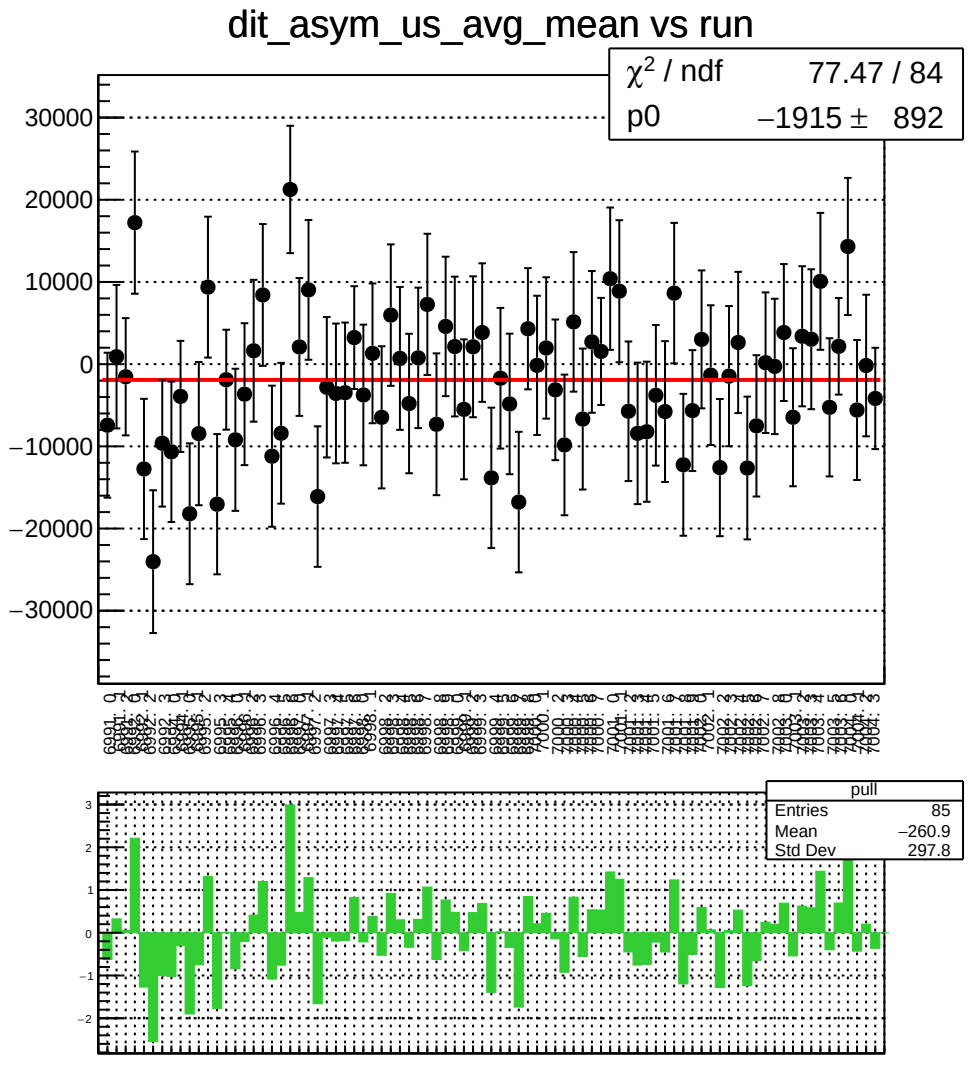
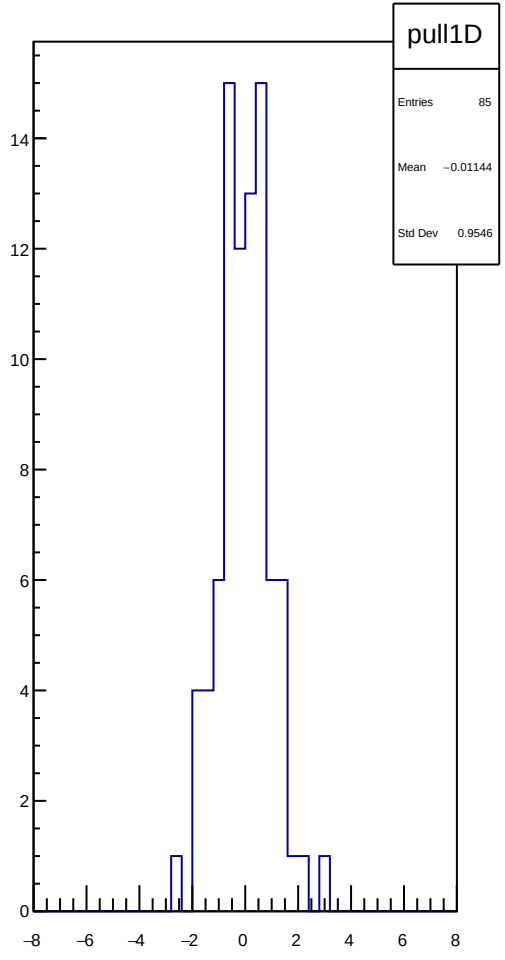
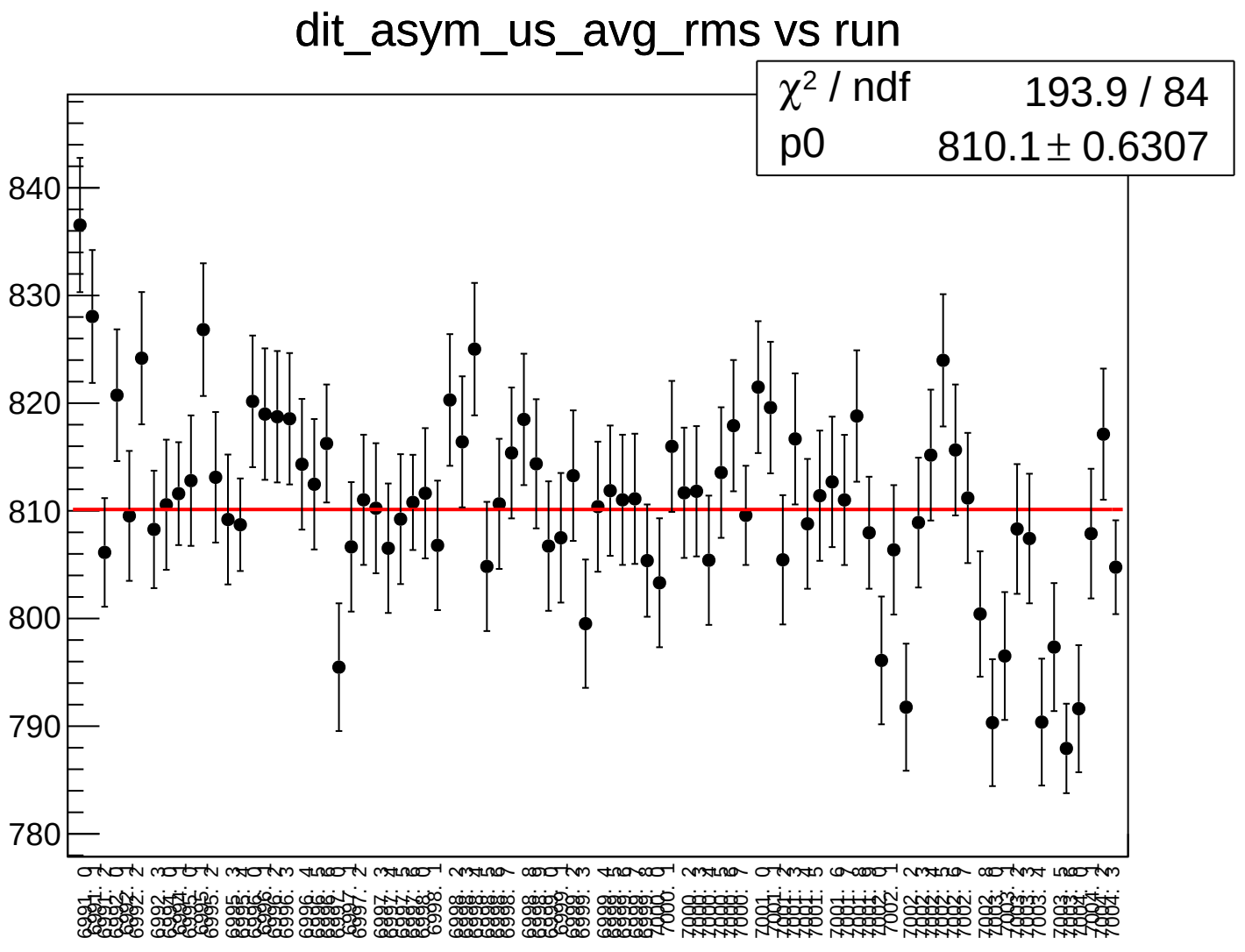
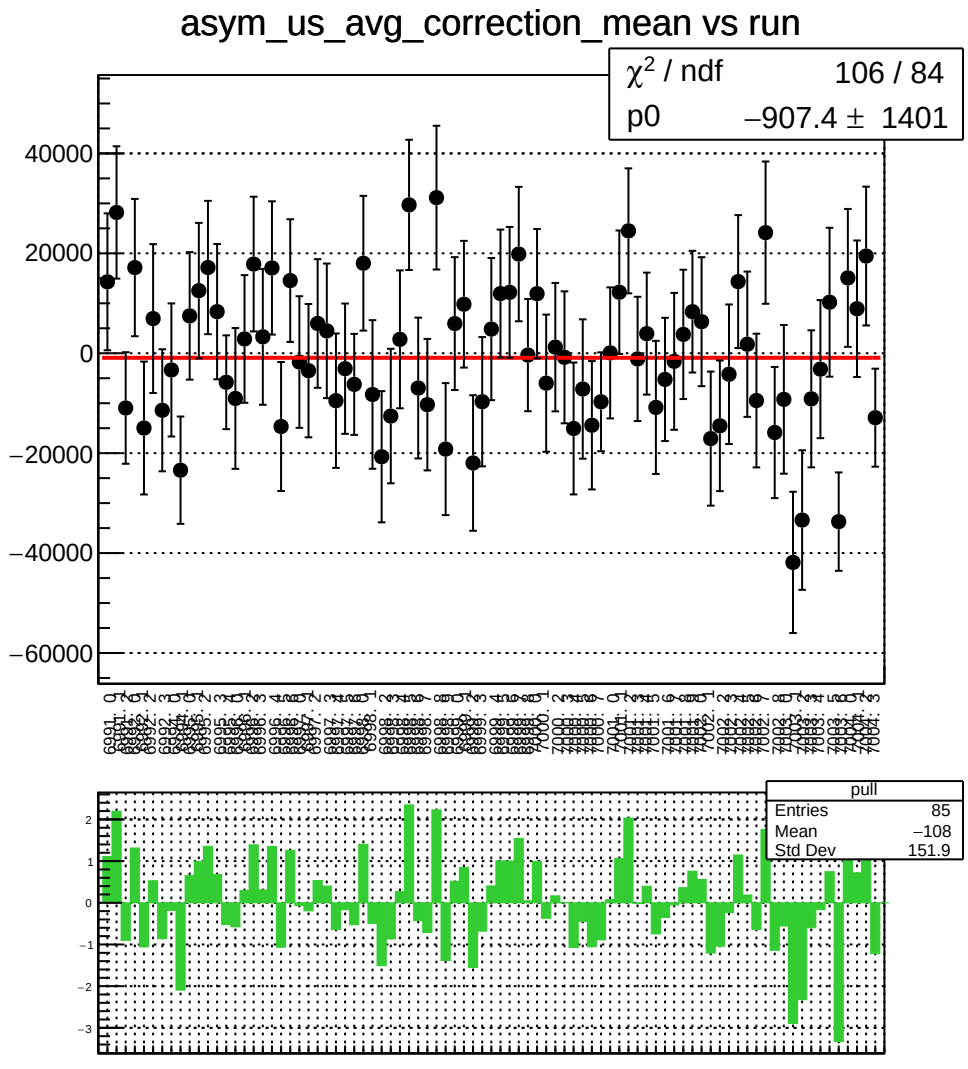
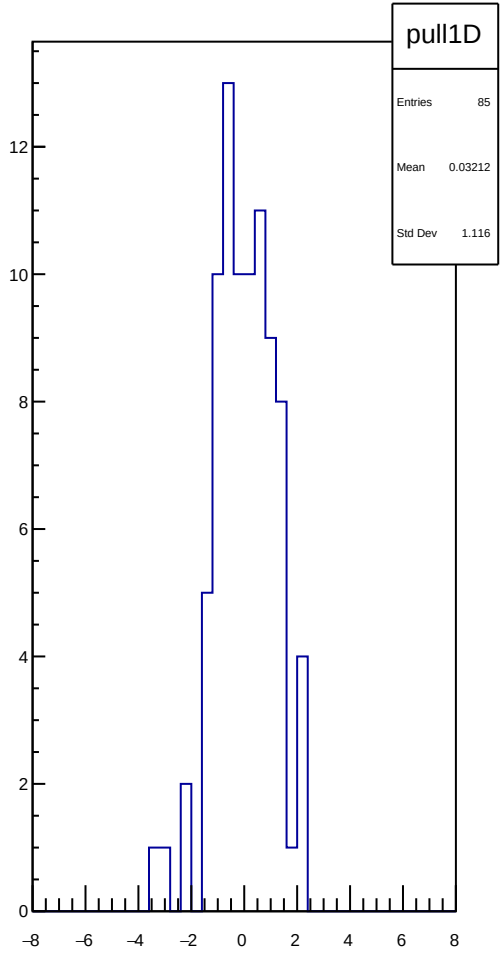
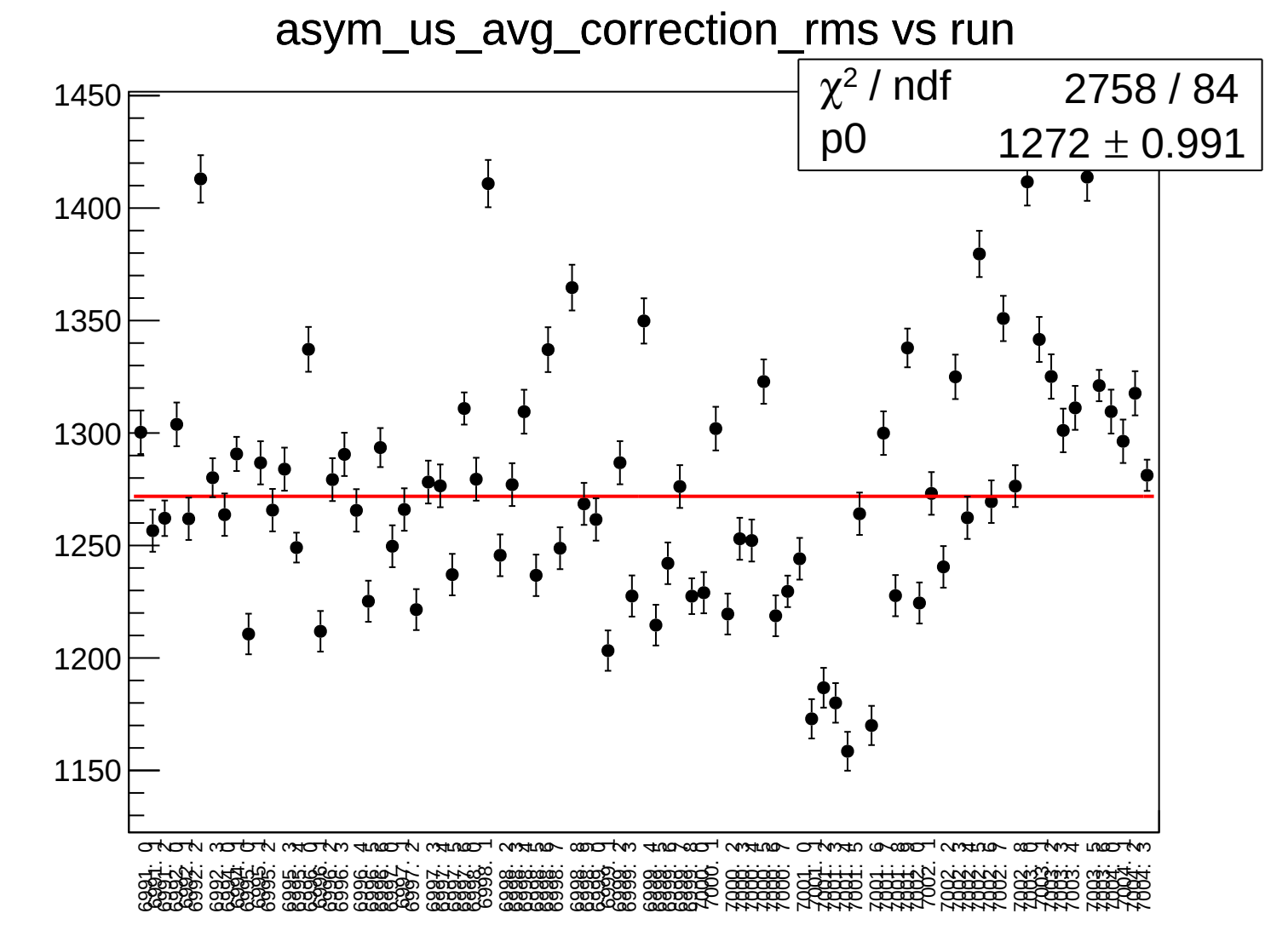

dit_asym_us_avg_mean vs run
χ² / ndf 77.47 / 84
p0 −1915 ± 892
pull
Entries 85
Mean −260.9
Std Dev 297.8

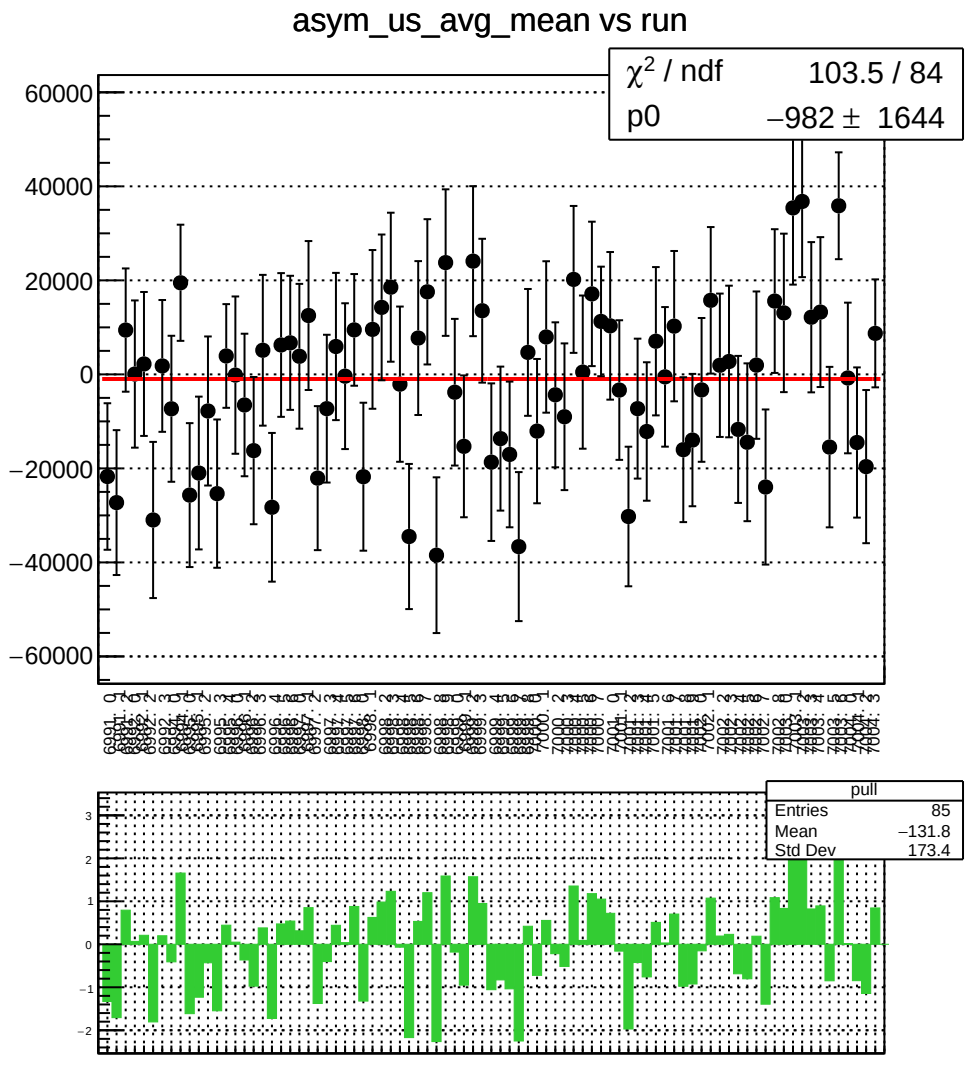

pull1D
Entries 85
Mean −0.01144
Std Dev 0.9546

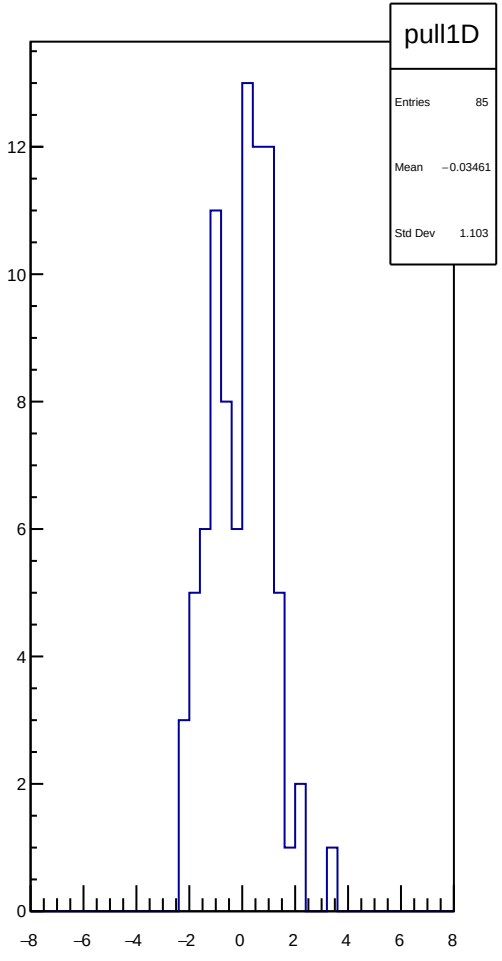

dit_asym_us_avg_rms vs run
χ² / ndf 193.9 / 84
p0 810.1 ± 0.6307
840
830
820
810
800
790
780

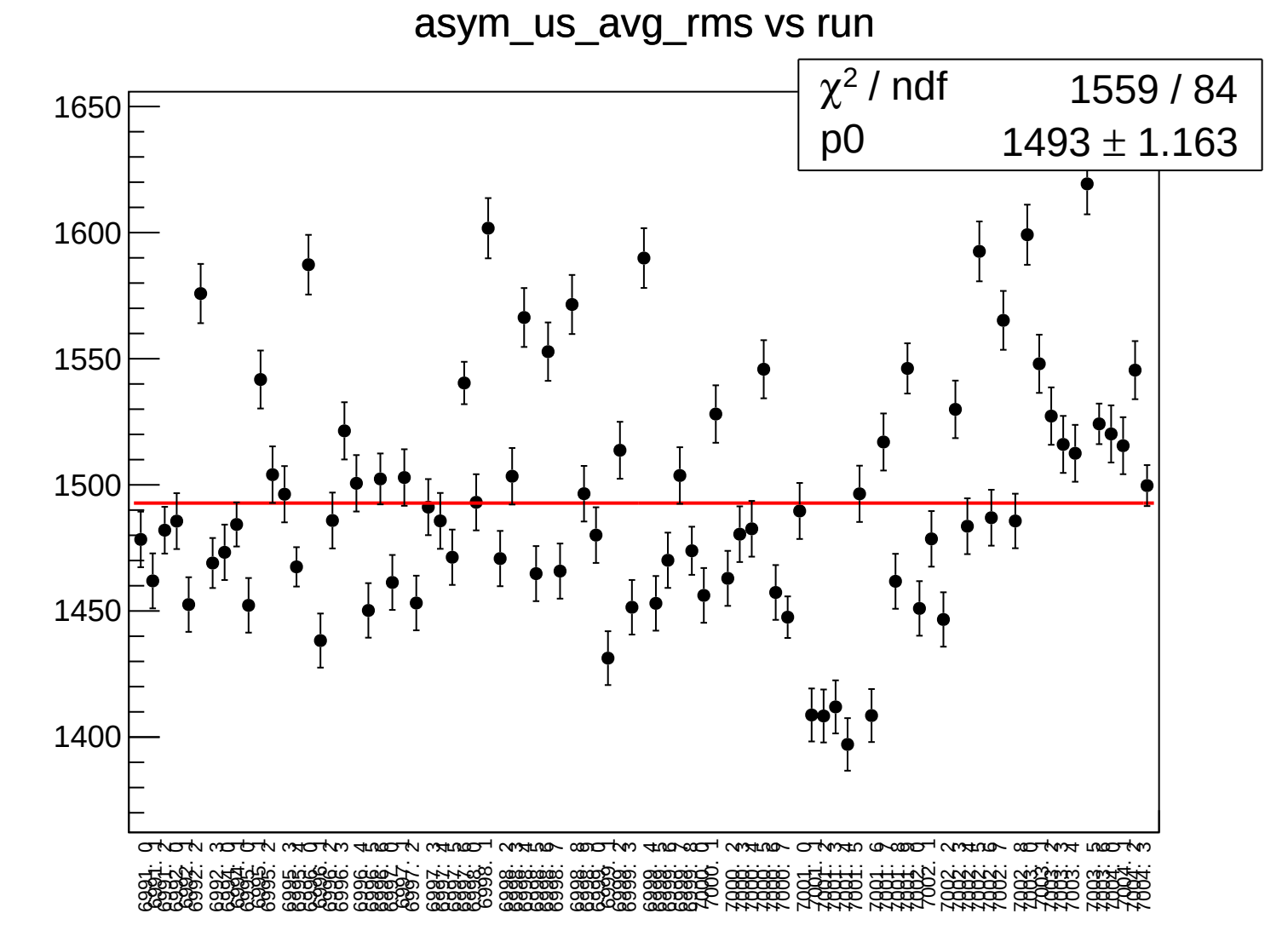

asym_us_avg_correction_mean vs run
χ² / ndf 106 / 84
p0 −907.4 ± 1401
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −108
Std Dev 151.9
2
1
0
−1
−2
−3

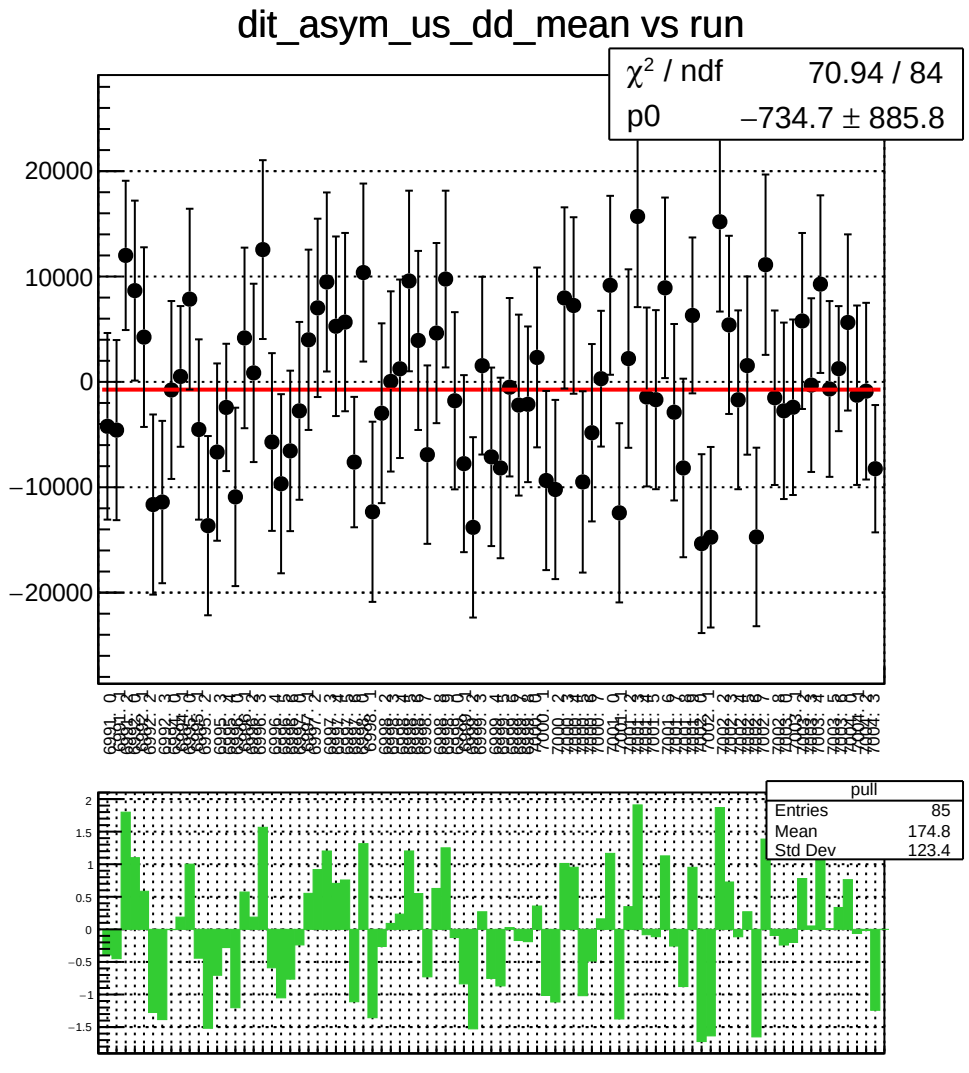

pull1D
Entries 85
Mean 0.03212
Std Dev 1.116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

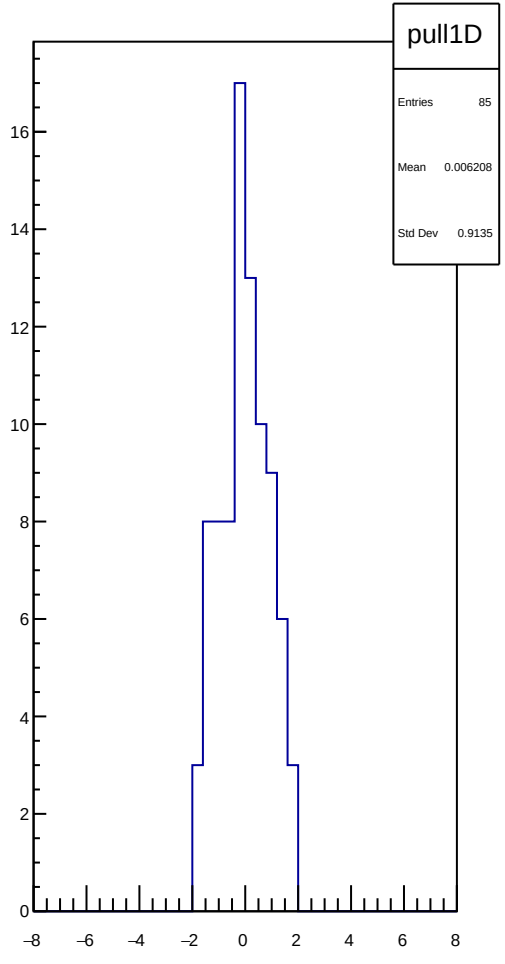

asym_us_avg_correction_rms vs run
χ² / ndf 2758 / 84
p0 1272 ± 0.991
1450
1400
1350
1300
1250
1200
1150

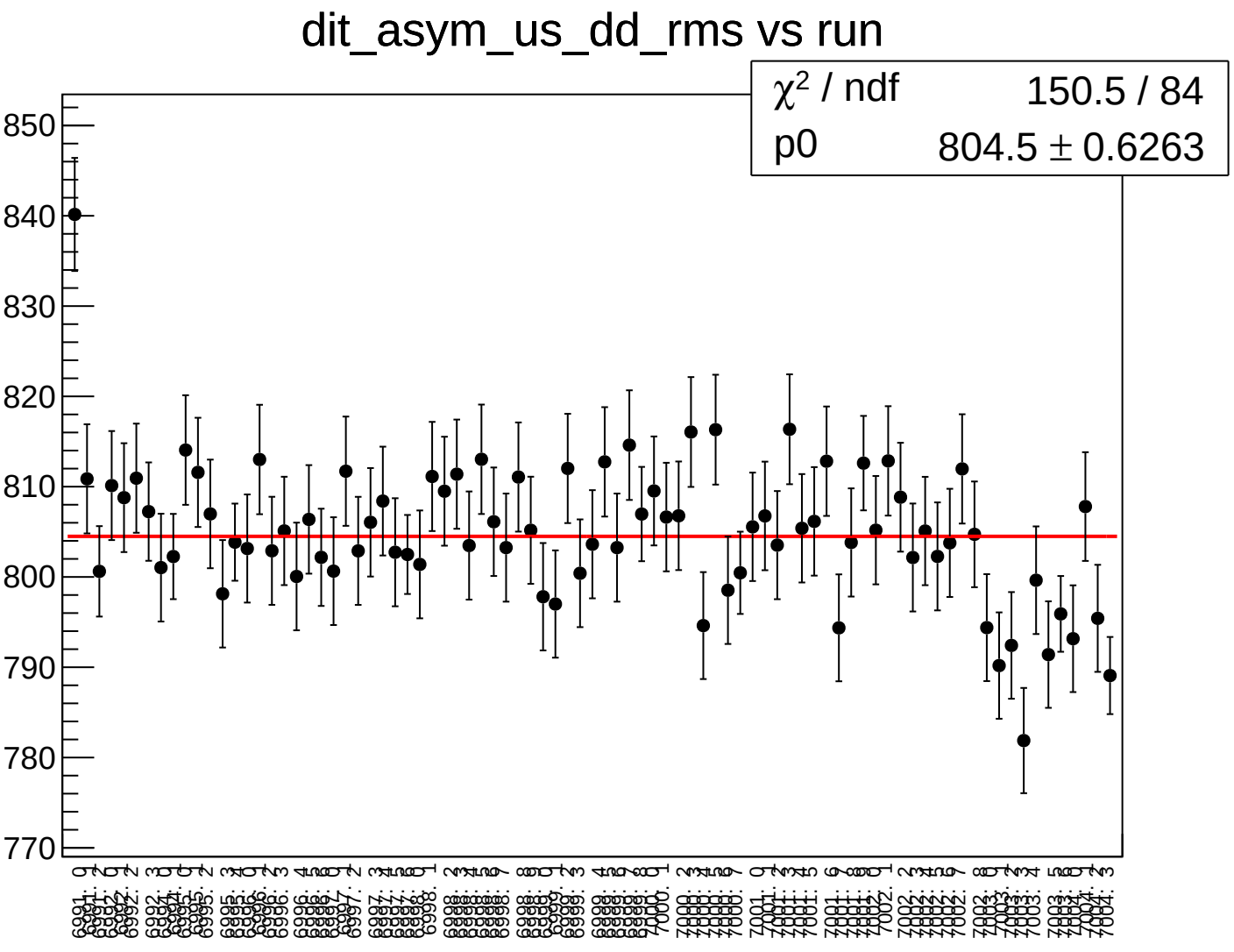

asym_us_avg_mean vs run
χ² / ndf 103.5 / 84
p0 −982 ± 1644
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −131.8
Std Dev 173.4
3
2
1
0
−1
−2

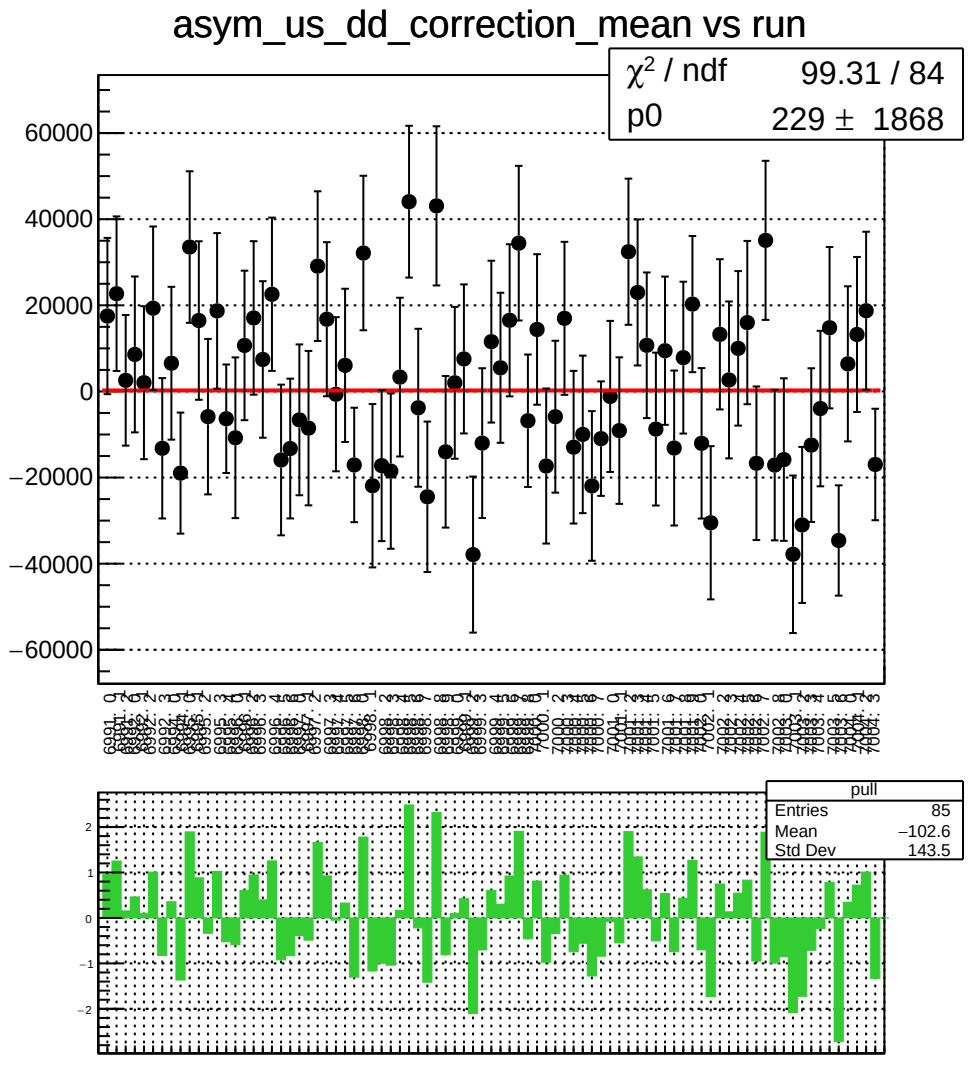

pull1D
Entries 85
Mean −0.03461
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

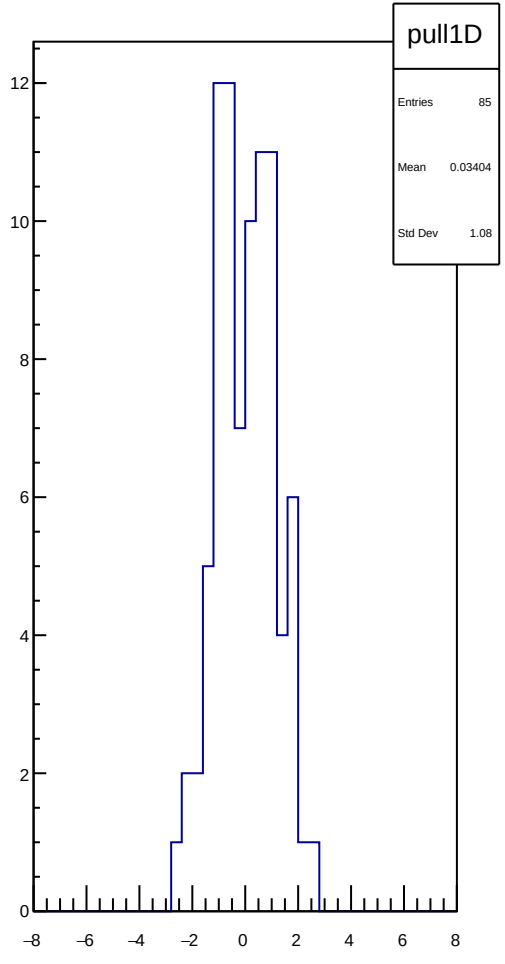

asym_us_avg_rms vs run
χ² / ndf 1559 / 84
p0 1493 ± 1.163
1650
1600
1550
1500
1450
1400

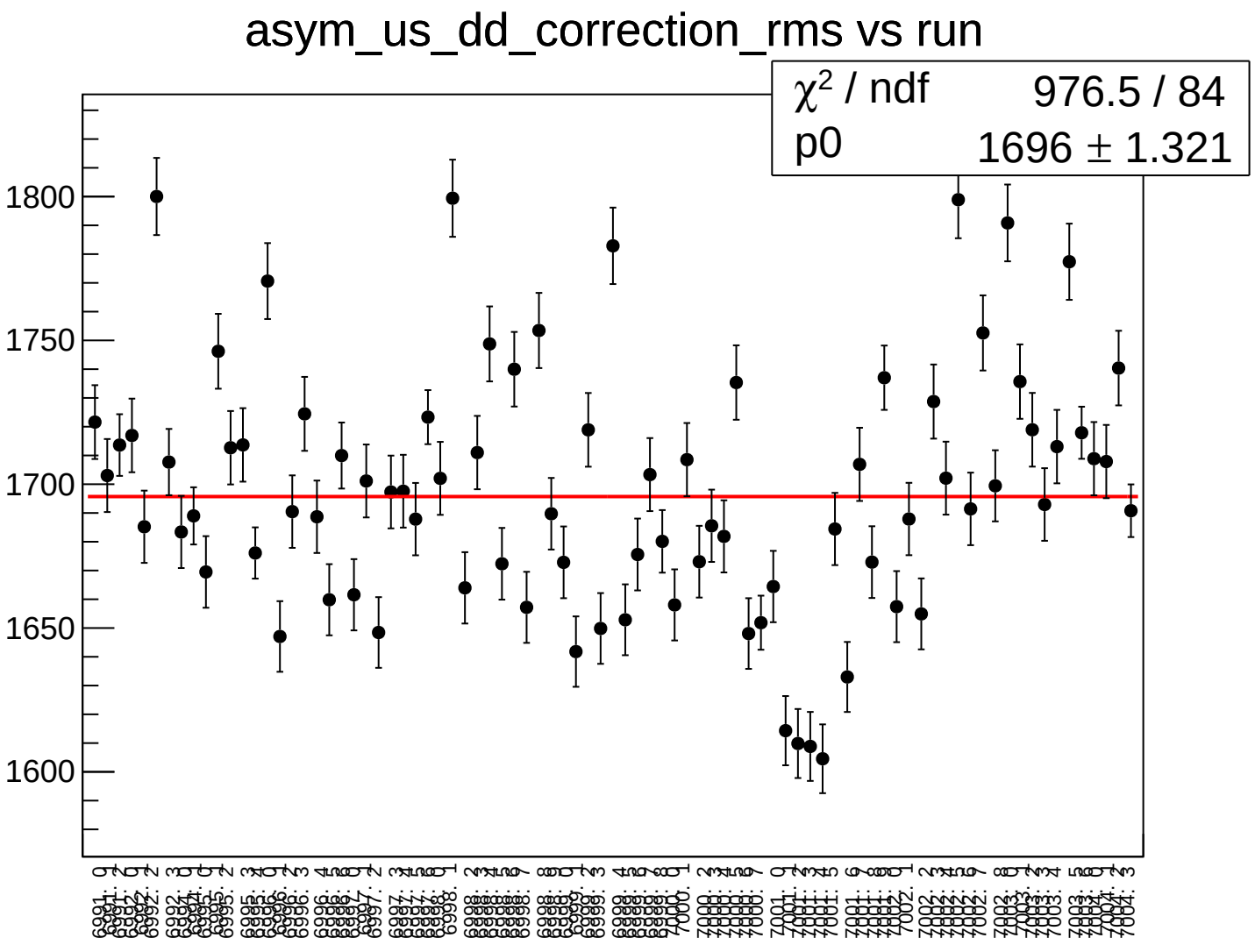

dit_asym_us_dd_mean vs run
χ² / ndf 70.94 / 84
p0 −734.7 ± 885.8
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 174.8
Std Dev 123.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

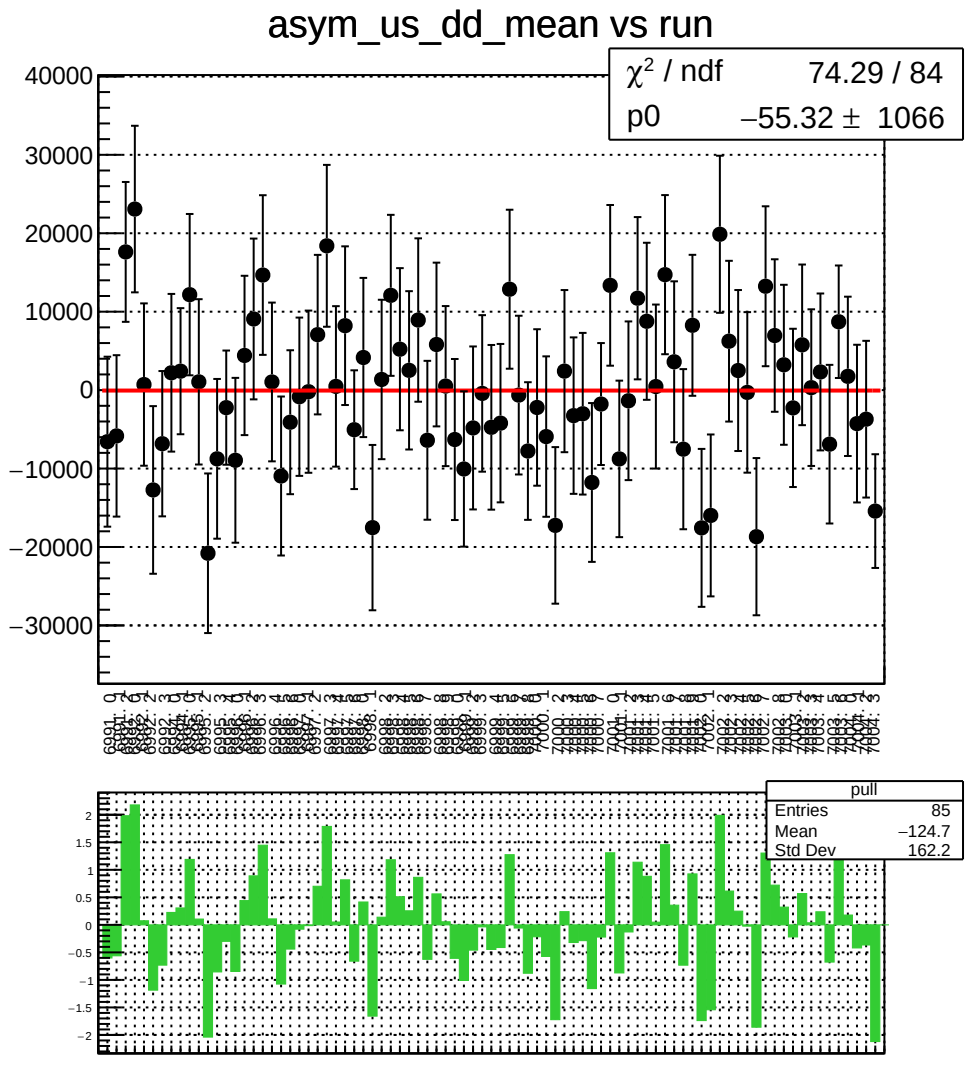

pull1D
Entries 85
Mean 0.006208
Std Dev 0.9135
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

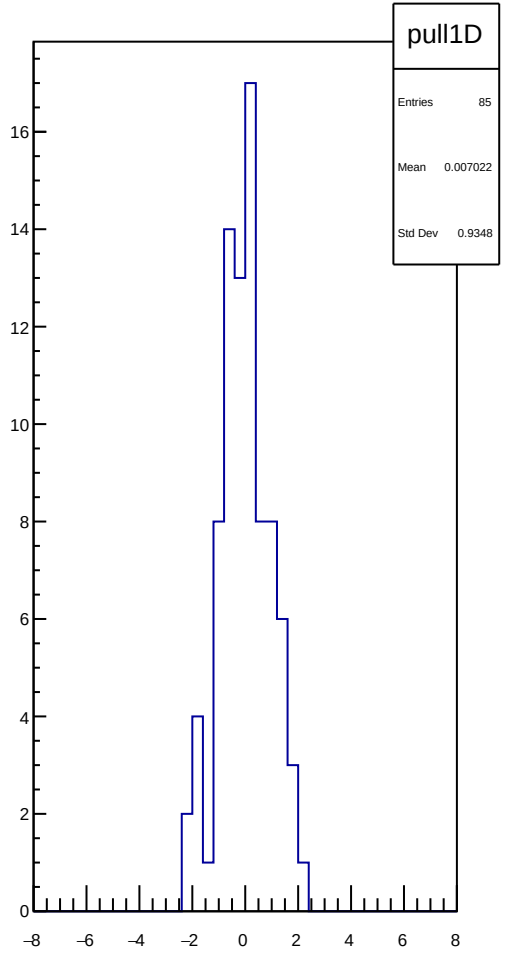

dit_asym_us_dd_rms vs run
χ² / ndf 150.5 / 84
p0 804.5 ± 0.6263
850
840
830
820
810
800
790
780
770

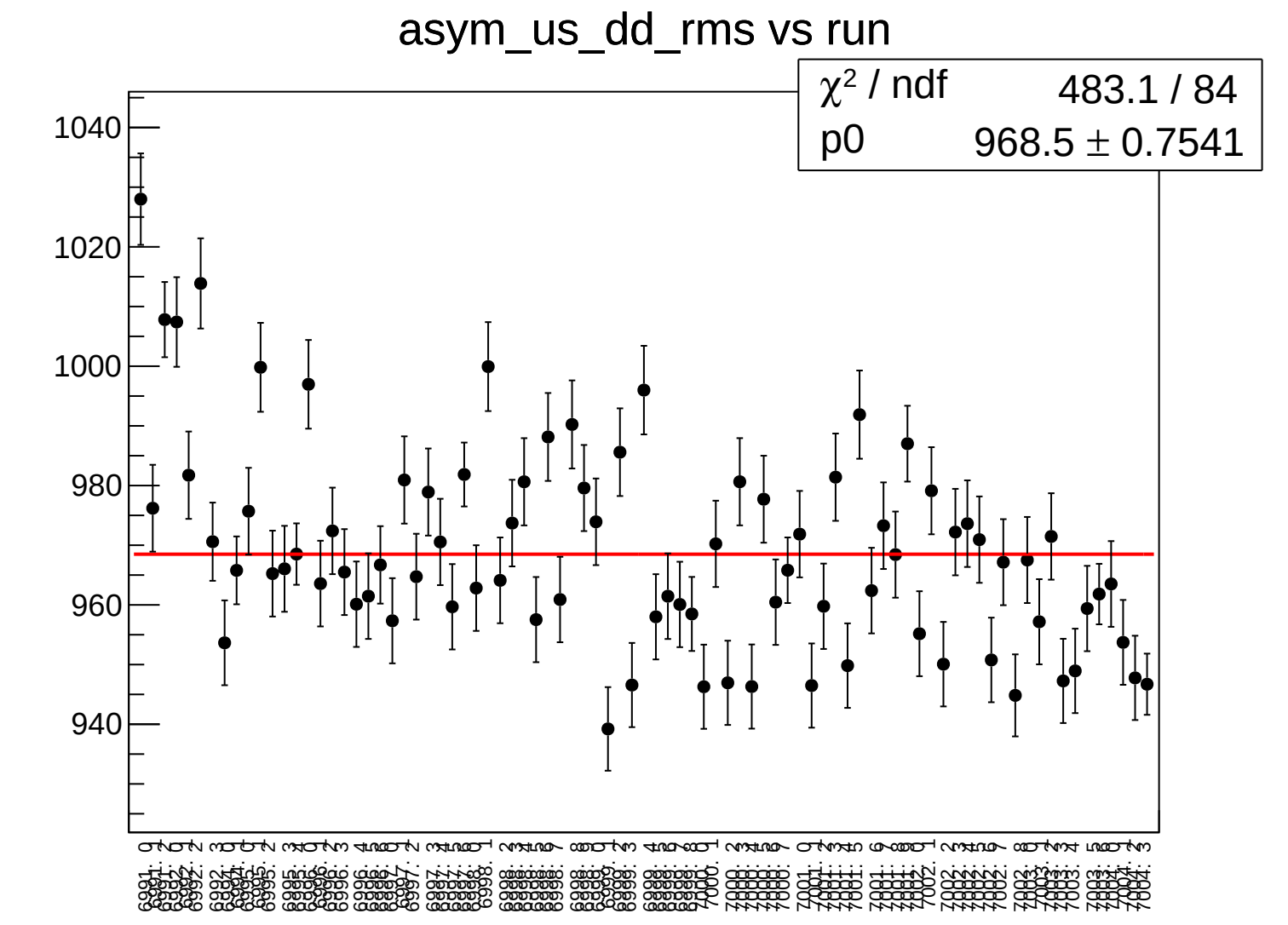

asym_us_dd_correction_mean vs run
χ² / ndf 99.31 / 84
p0 229 ± 1868
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −102.6
Std Dev 143.5
2
1
0
−1
−2

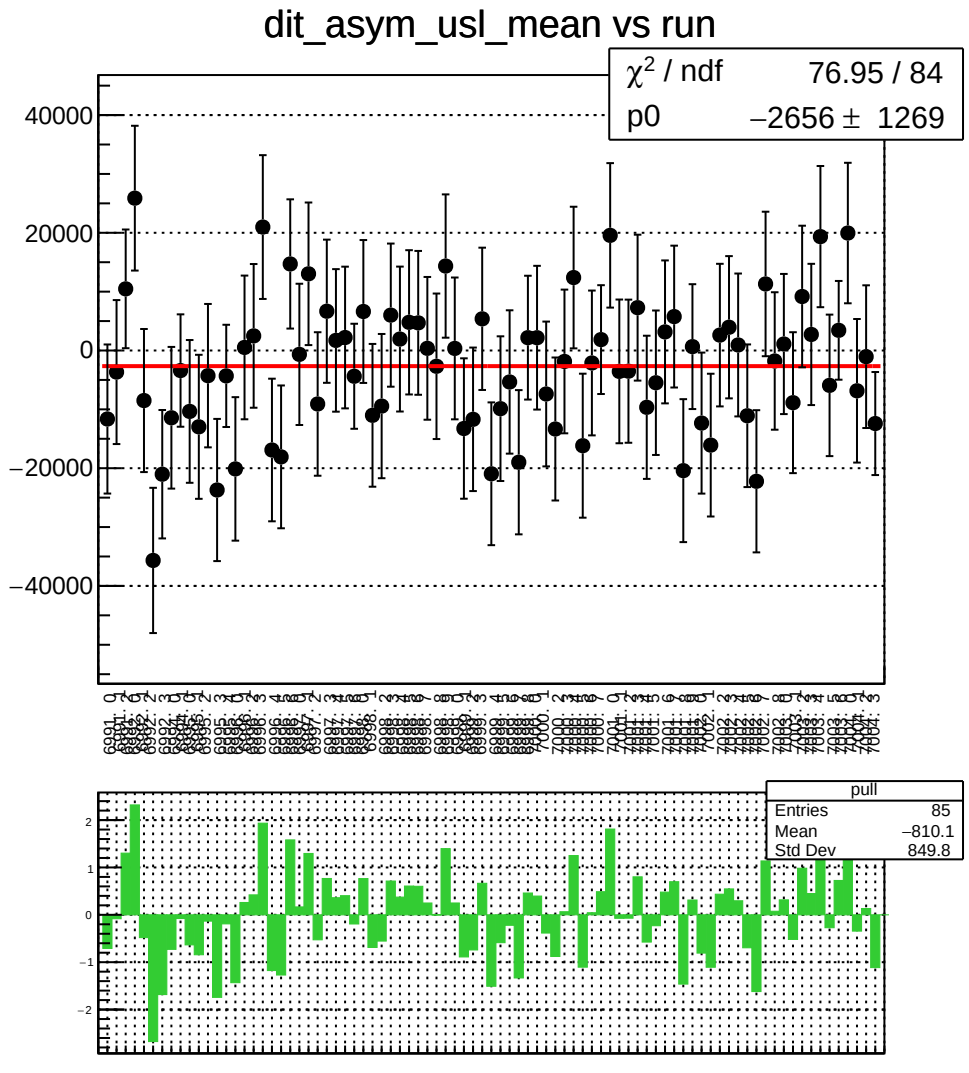

pull1D
Entries 85
Mean 0.03404
Std Dev 1.08
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

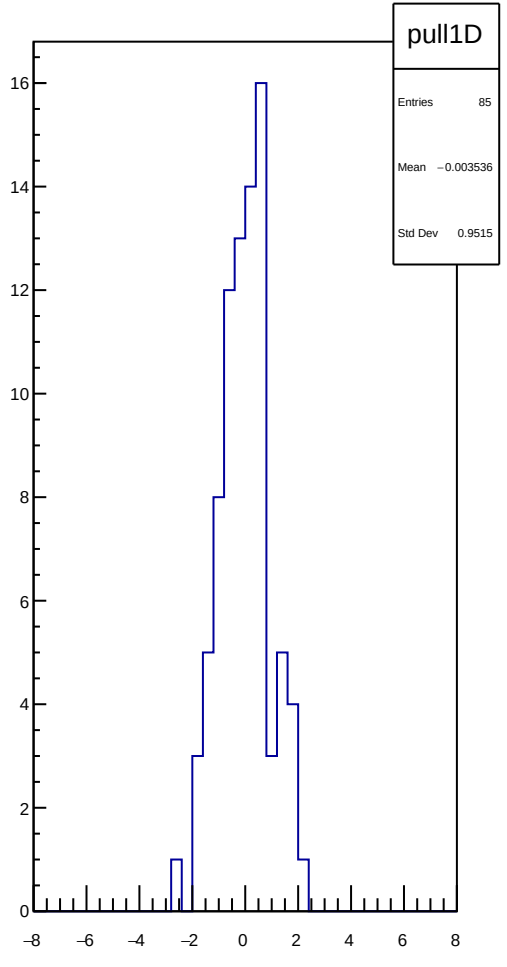

asym_us_dd_correction_rms vs run
χ² / ndf 976.5 / 84
p0 1696 ± 1.321
1800
1750
1700
1650
1600

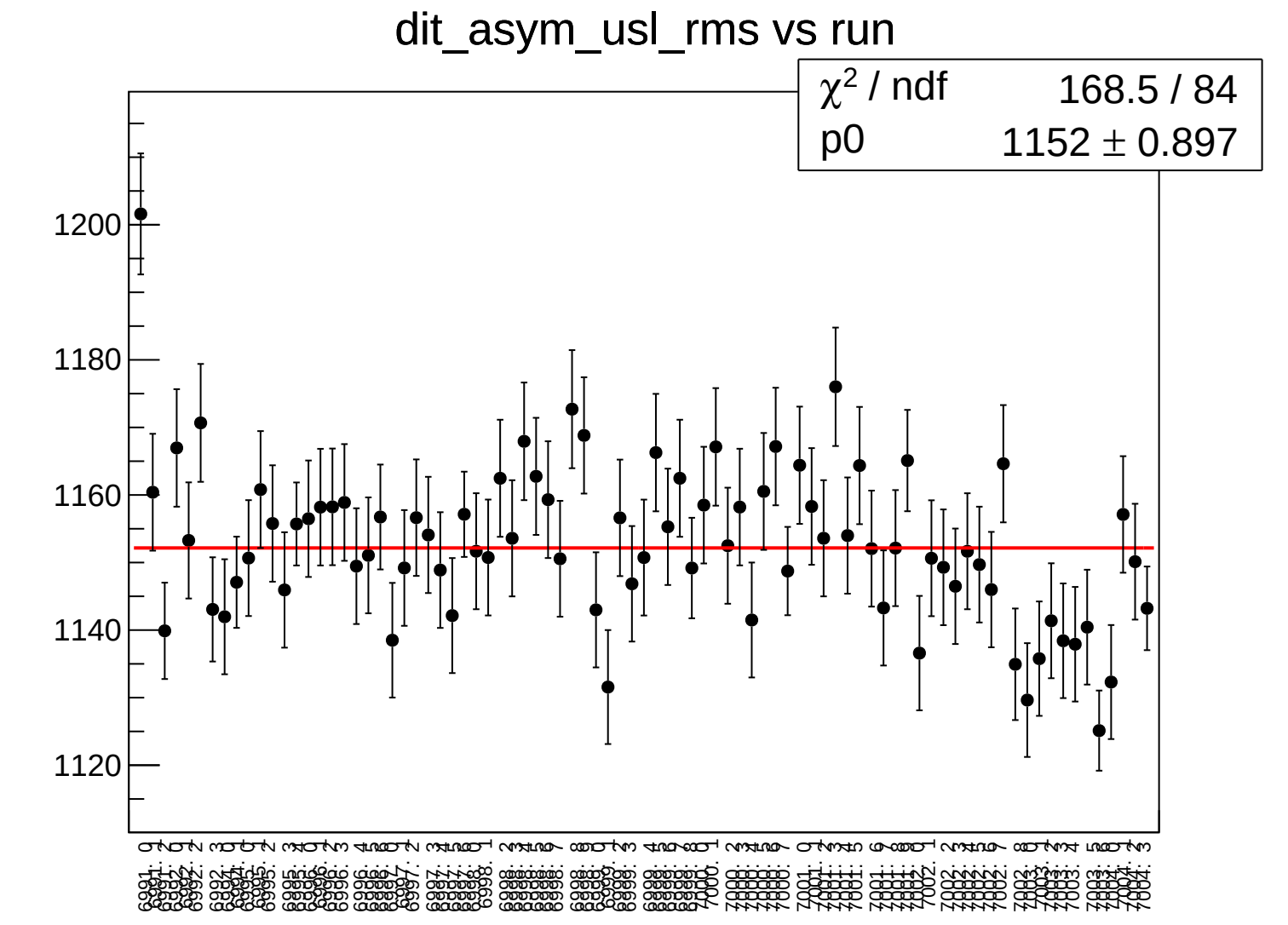

asym_us_dd_mean vs run
χ² / ndf 74.29 / 84
p0 −55.32 ± 1066
pull
Entries 85
Mean −124.7
Std Dev 162.2

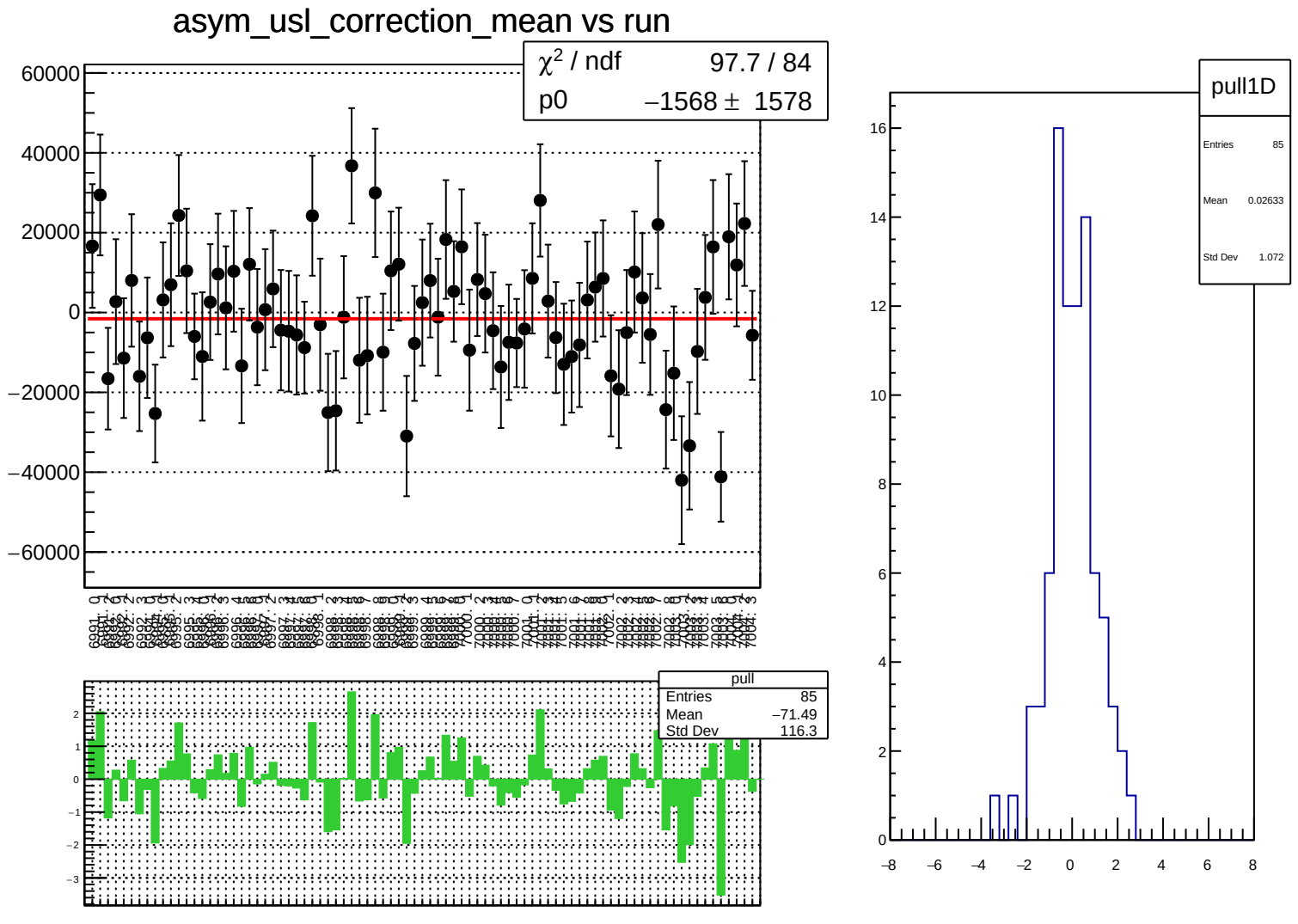

pull1D
Entries 85
Mean 0.007022
Std Dev 0.9348

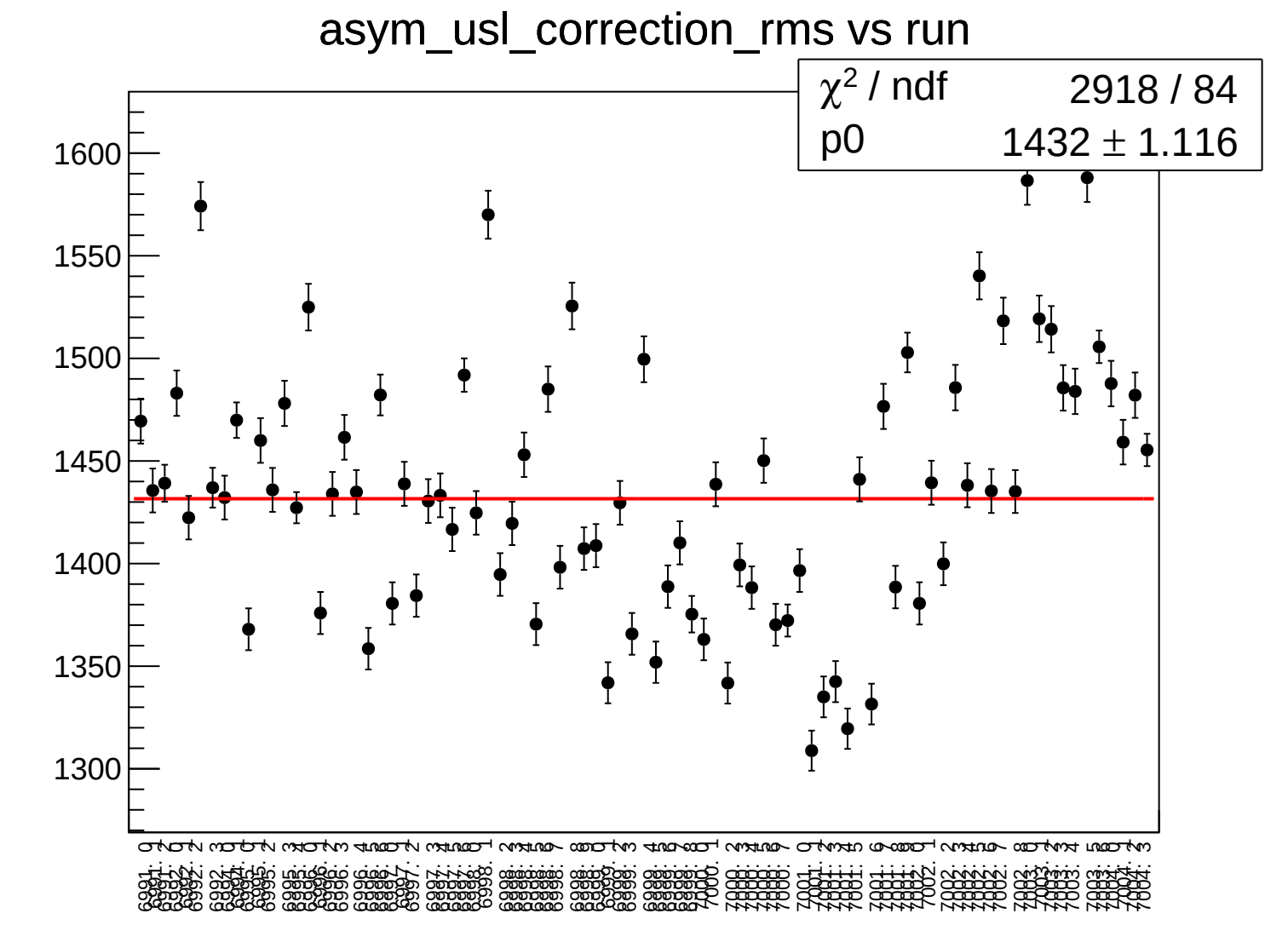

asym_us_dd_rms vs run
χ² / ndf 483.1 / 84
p0 968.5 ± 0.7541
1040
1020
1000
980
960
940

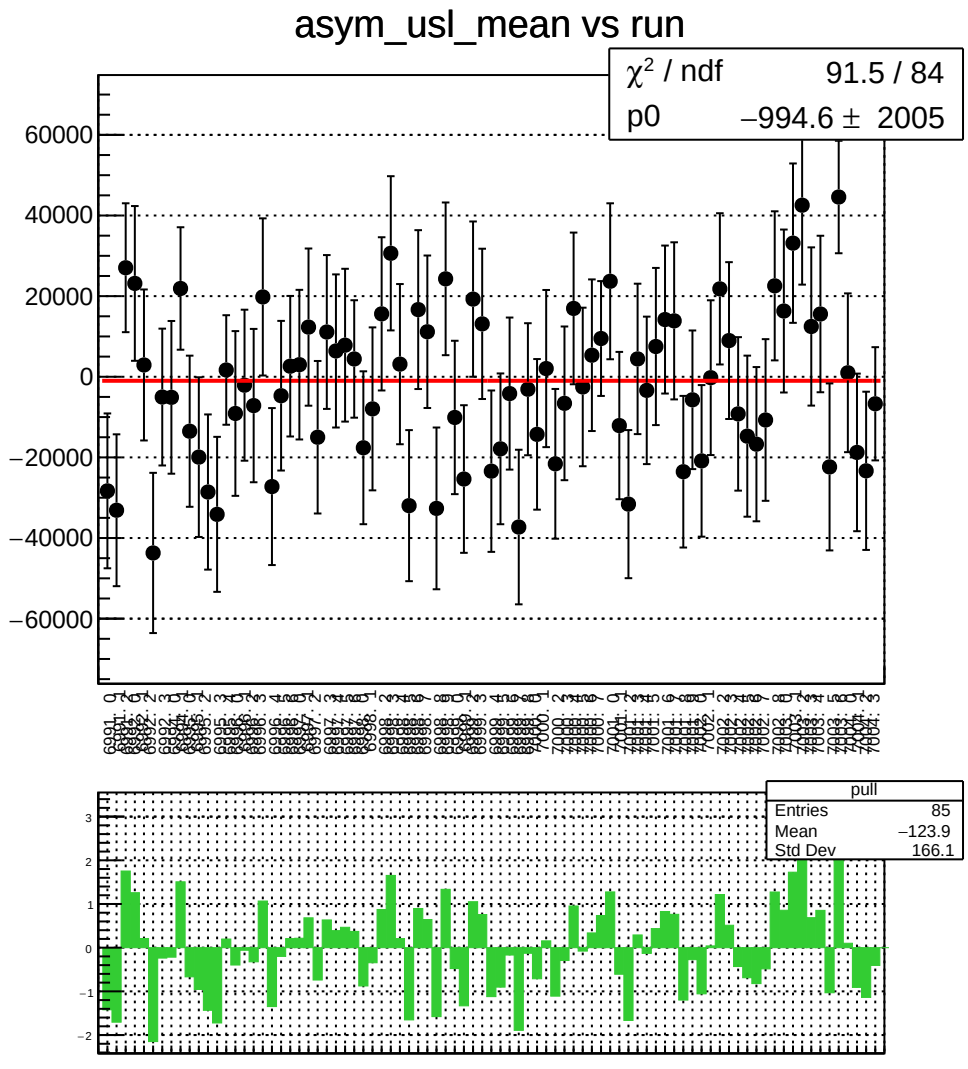

dit_asym_usl_mean vs run
χ² / ndf 76.95 / 84
p0 −2656 ± 1269
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −810.1
Std Dev 849.8
2
1
0
−1
−2

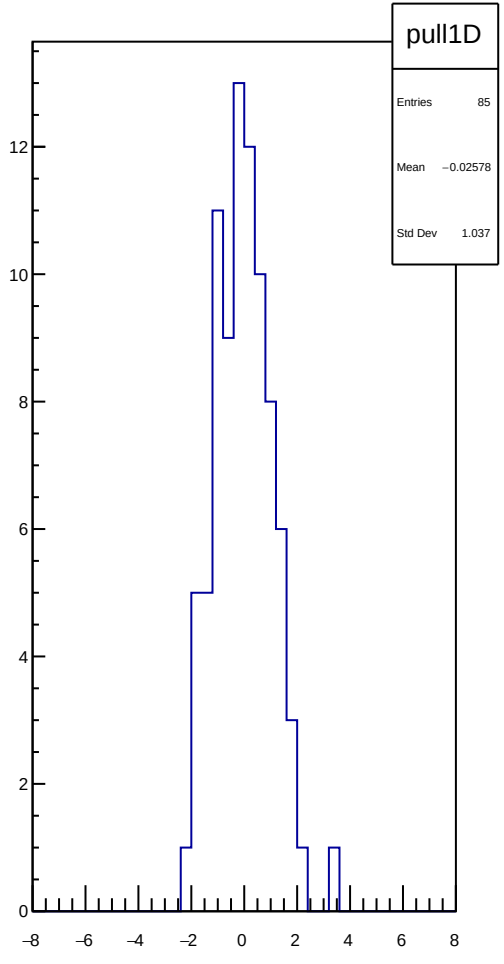

pull1D
Entries 85
Mean −0.003536
Std Dev 0.9515
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

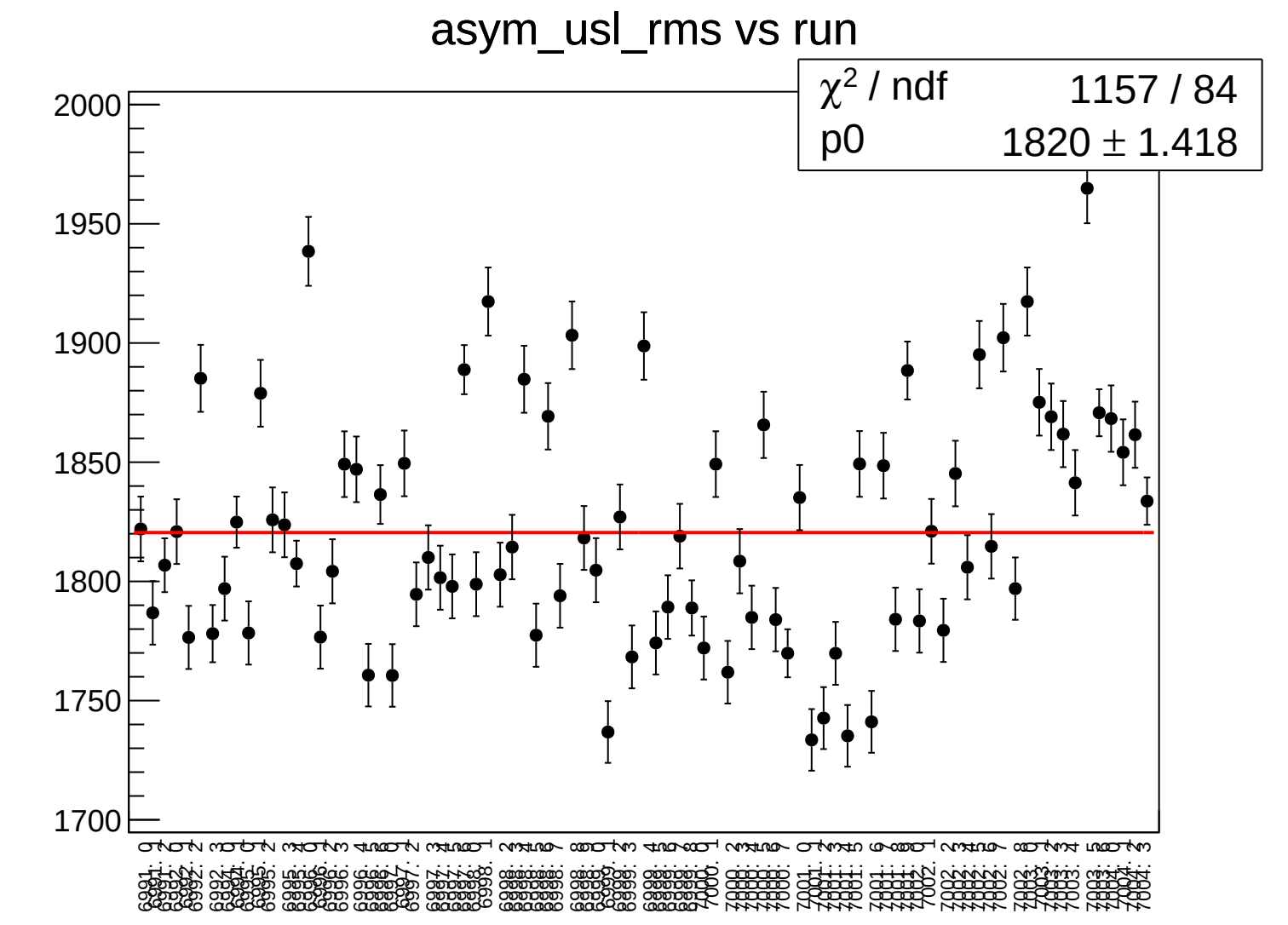

dit_asym_usl_rms vs run
χ^2 / ndf 168.5 / 84
p0 1152 ± 0.897
1200
1180
1160
1140
1120

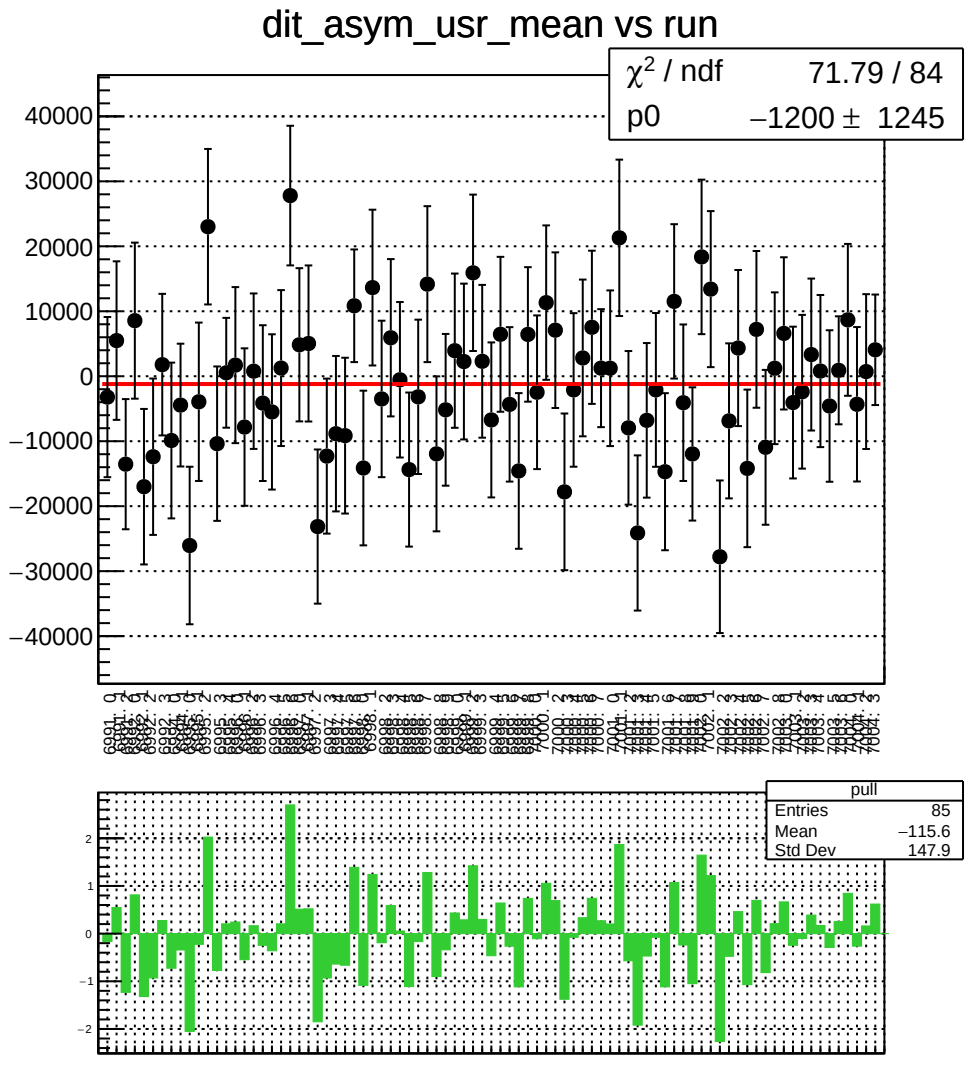

asym_usl_correction_mean vs run
χ² / ndf 97.7 / 84
p0 −1568 ± 1578
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −71.49
Std Dev 116.3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.02633
Std Dev 1.072
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

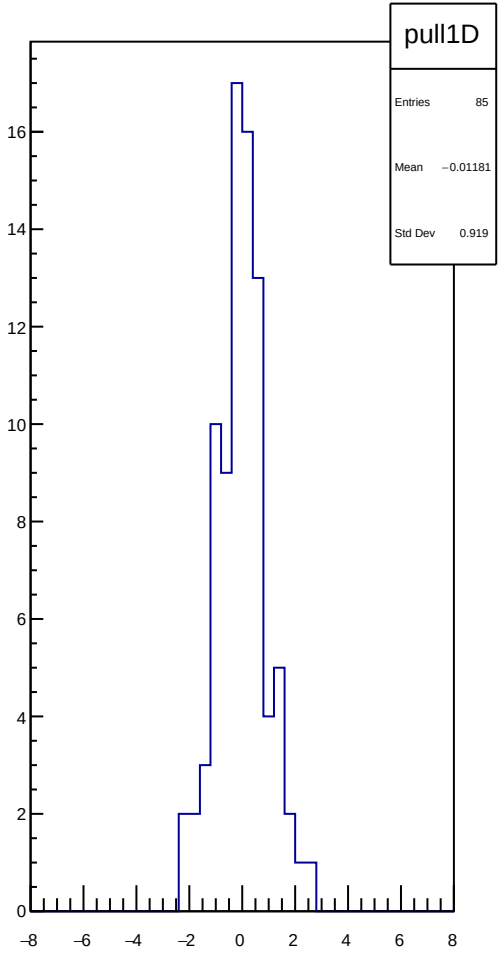

asym_usl_correction_rms vs run
χ² / ndf 2918 / 84
p0 1432 ± 1.116
1600
1550
1500
1450
1400
1350
1300

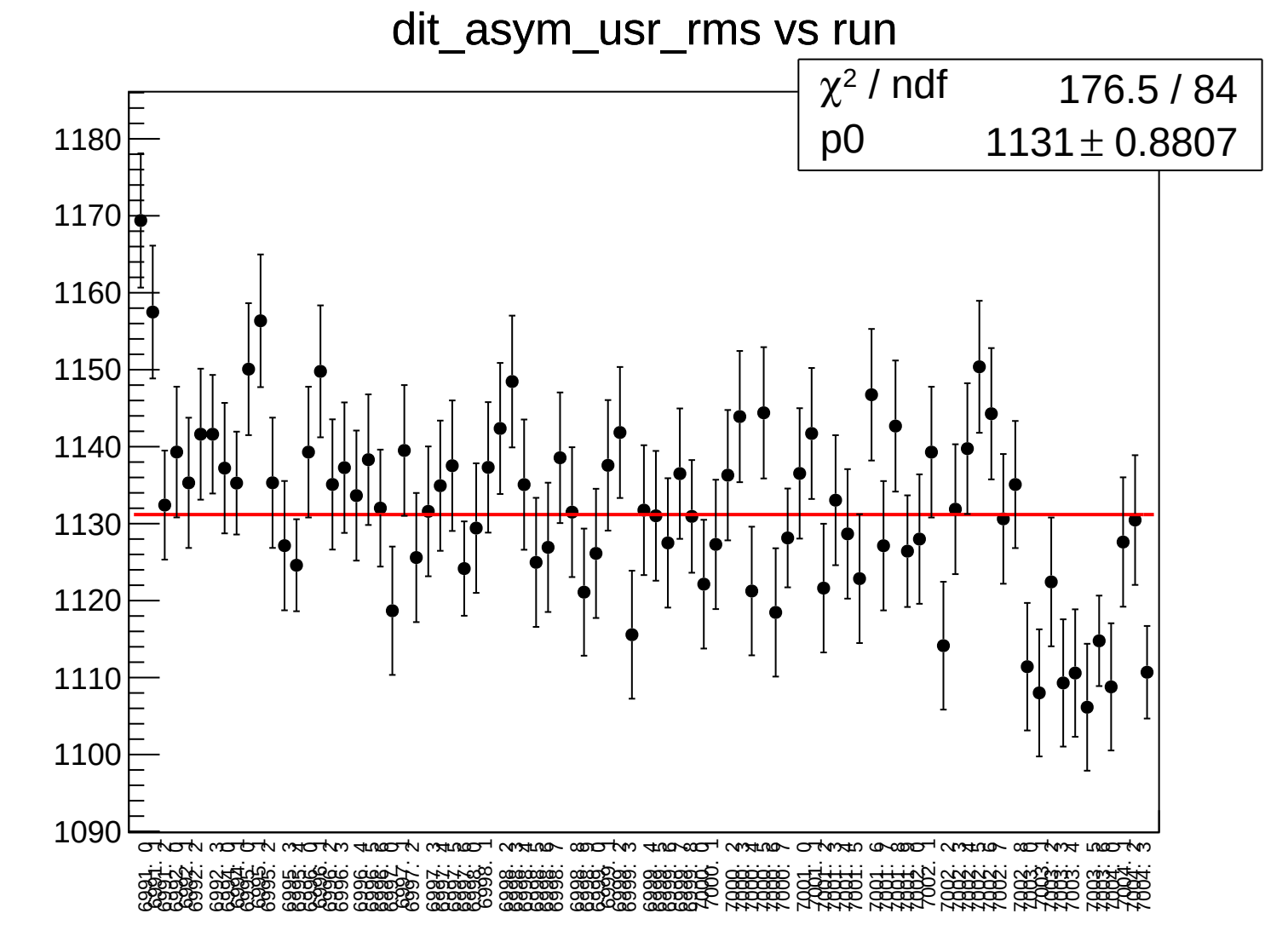

asym_usl_mean vs run
χ² / ndf 91.5 / 84
p0 −994.6 ± 2005
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −123.9
Std Dev 166.1
3
2
1
0
−1
−2

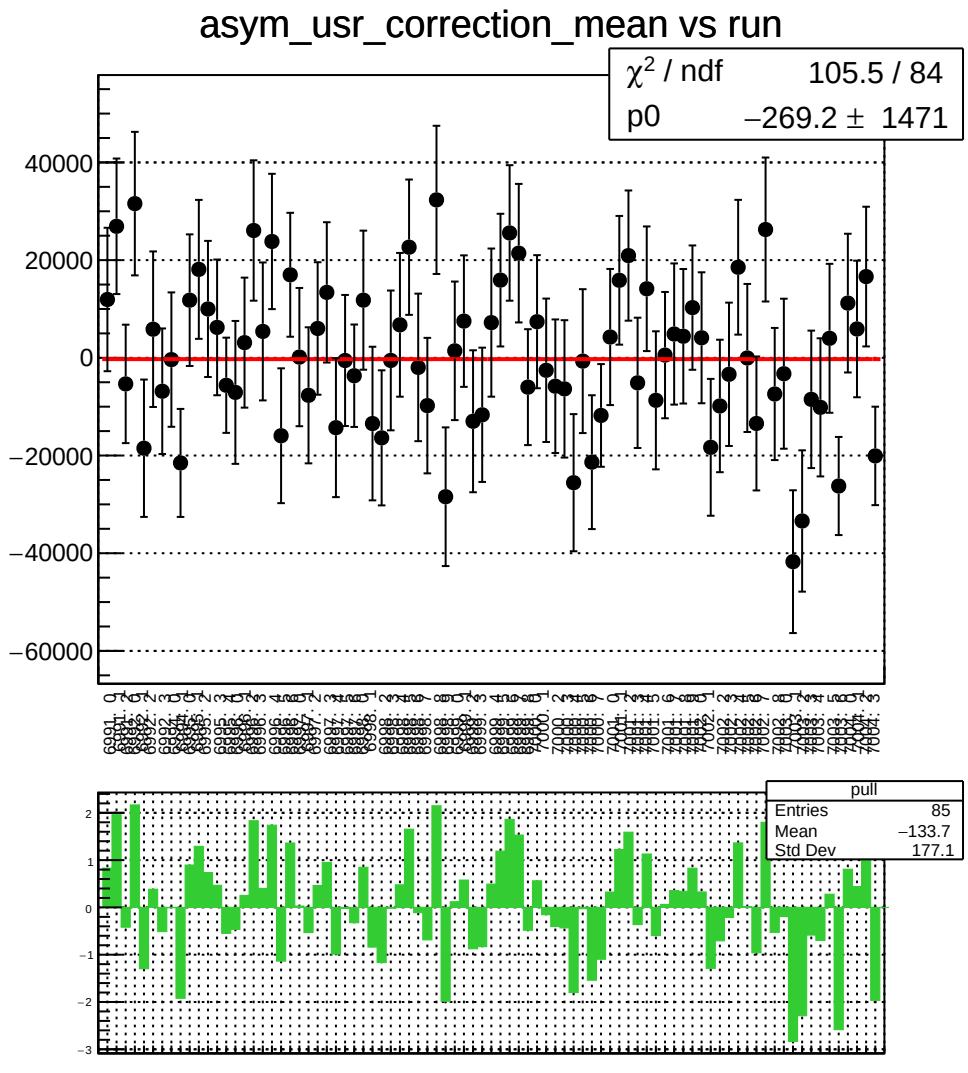

pull1D
Entries 85
Mean −0.02578
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

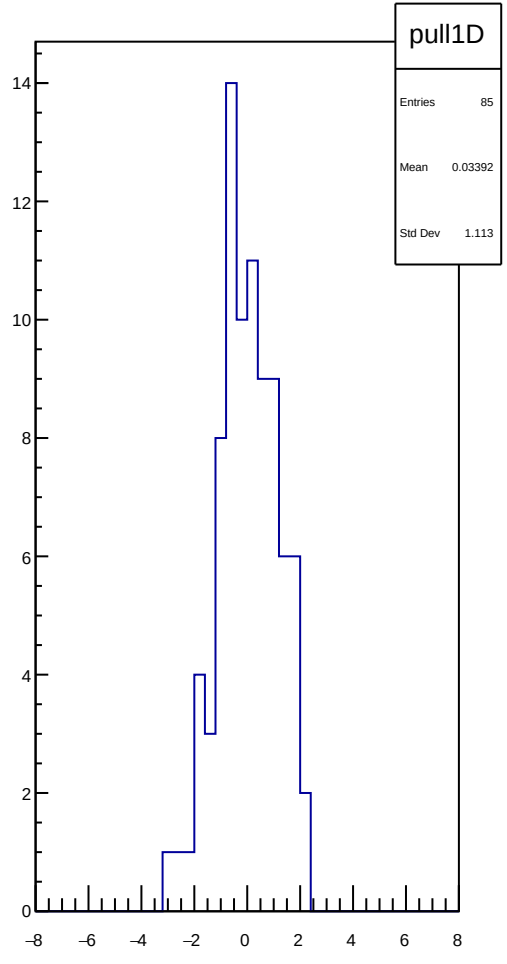

asym_usl_rms vs run
χ² / ndf 1157 / 84
p0 1820 ± 1.418
2000
1950
1900
1850
1800
1750
1700

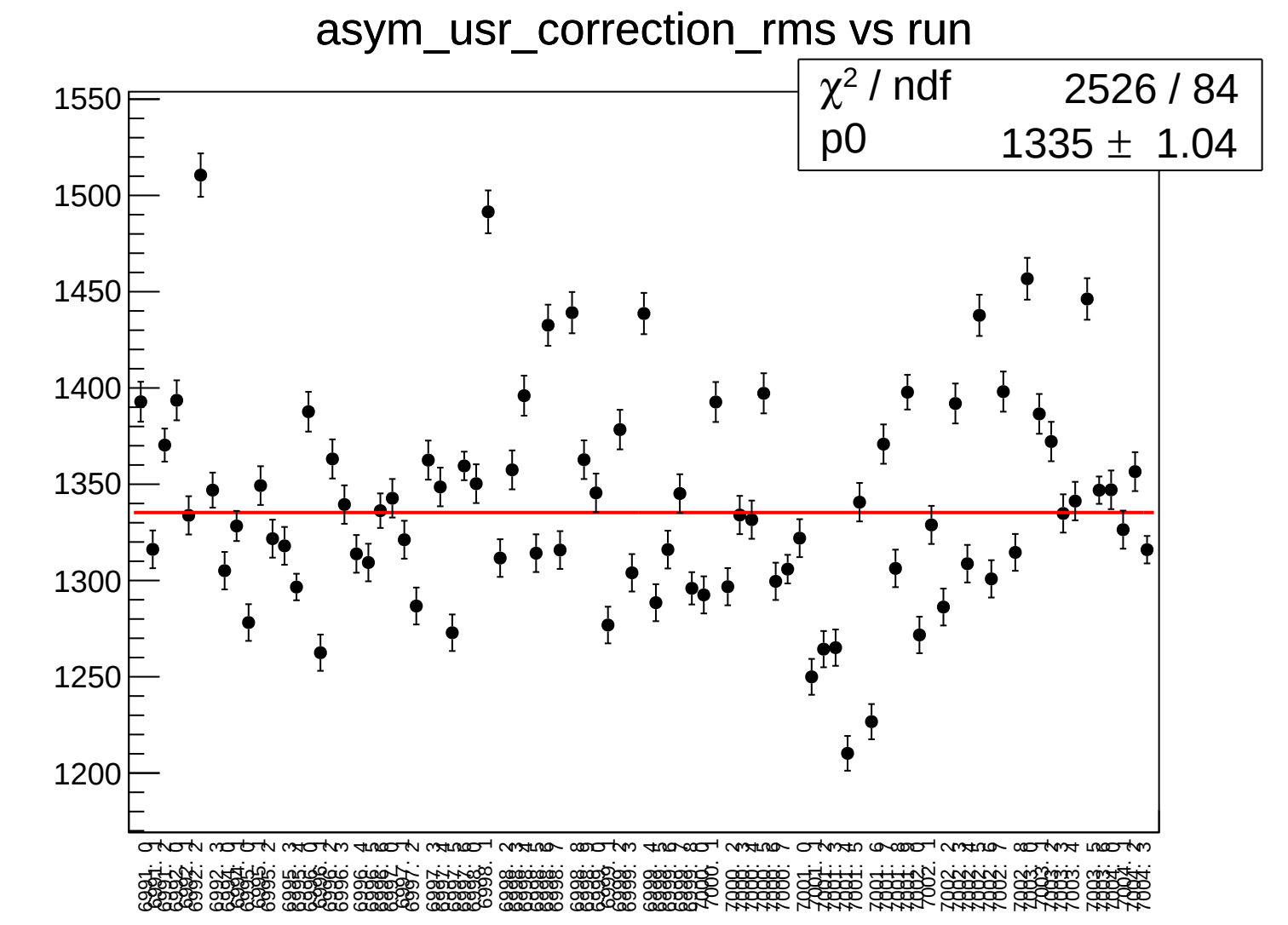

dit_asym_usr_mean vs run
χ² / ndf 71.79 / 84
p0 −1200 ± 1245
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean −115.6
Std Dev 147.9
2
1
0
−1
−2

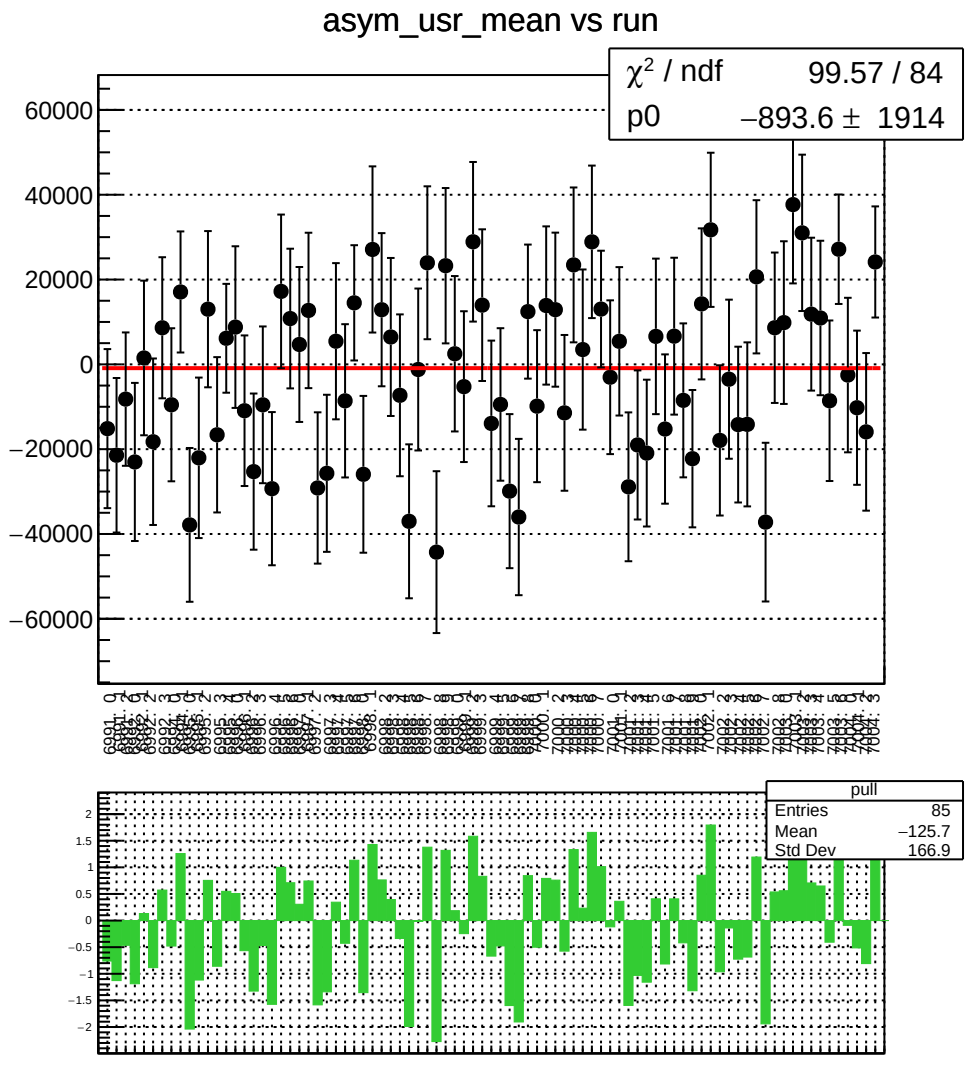

pull1D
Entries 85
Mean −0.01181
Std Dev 0.919
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

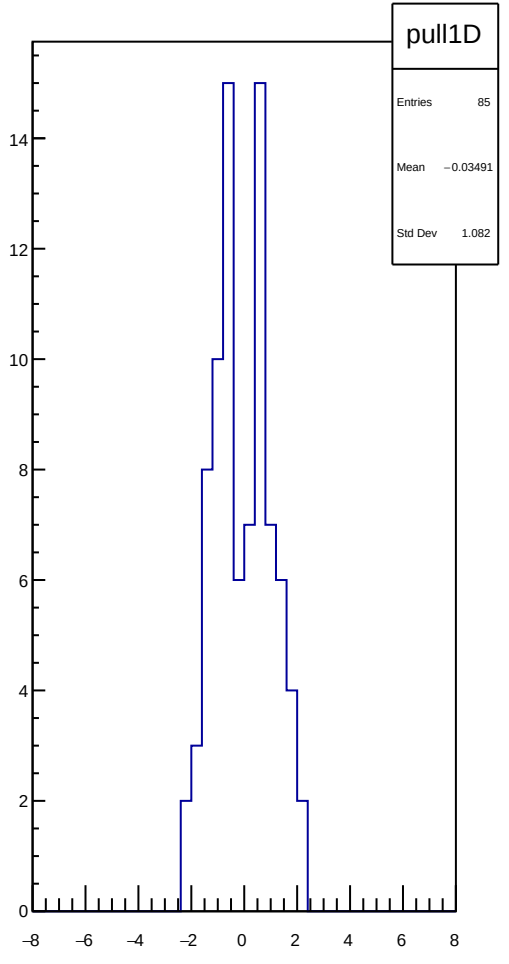

dit_asym_usr_rms vs run
χ² / ndf 176.5 / 84
p0 1131 ± 0.8807
1180
1170
1160
1150
1140
1130
1120
1110
1100
1090

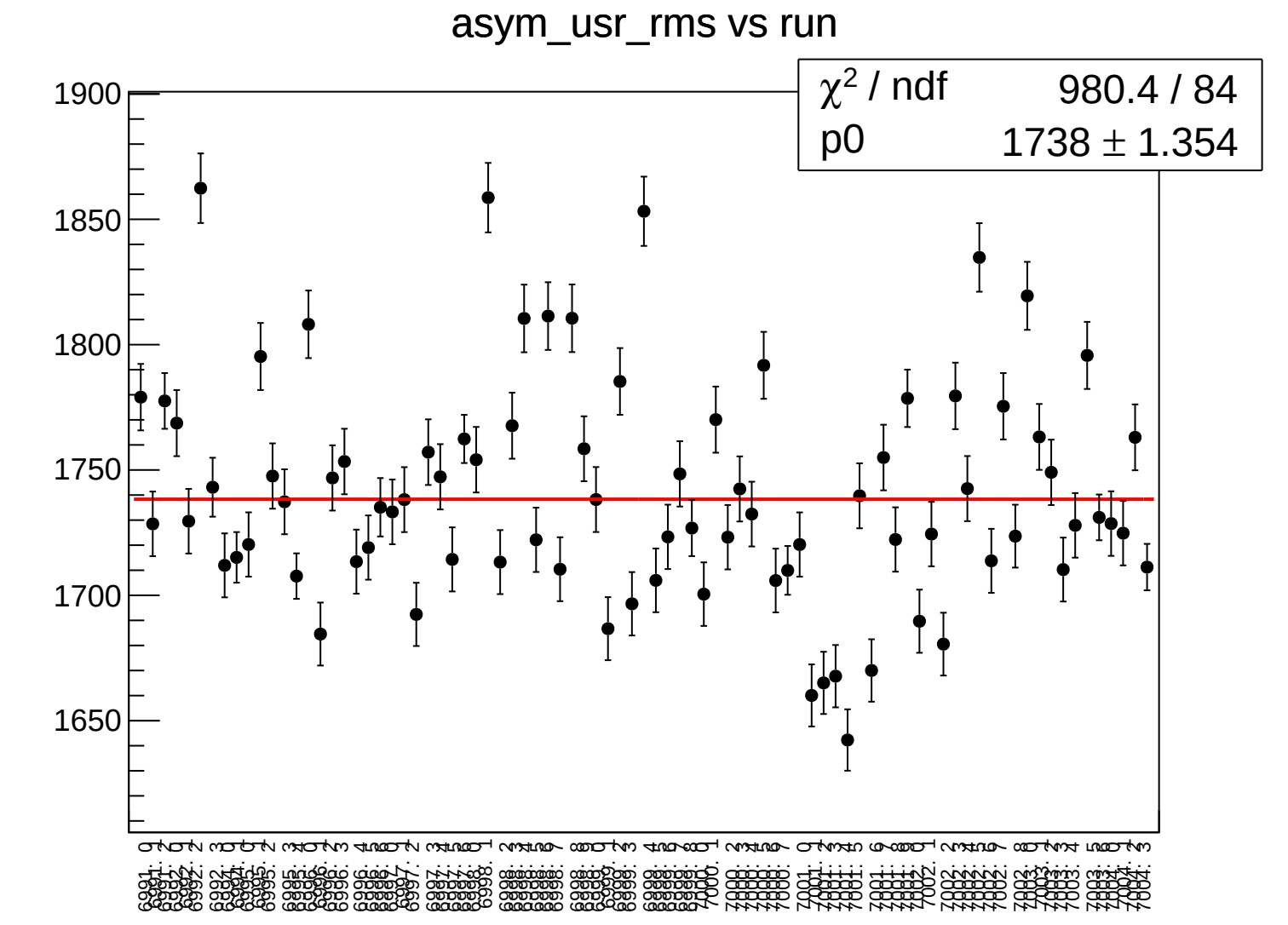

asym_usr_correction_mean vs run
χ² / ndf 105.5 / 84
p0 −269.2 ± 1471
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −133.7
Std Dev 177.1
2
1
0
−1
−2
−3

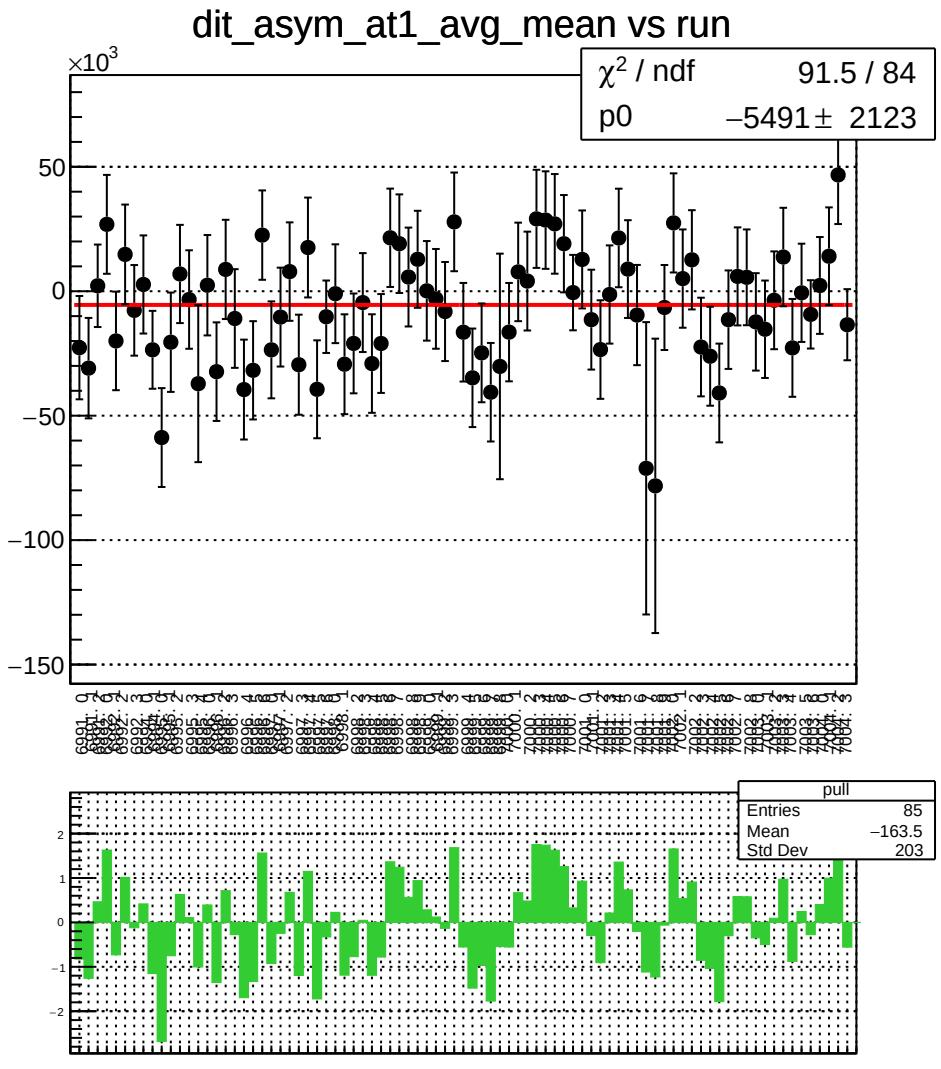

pull1D
Entries 85
Mean 0.03392
Std Dev 1.113
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

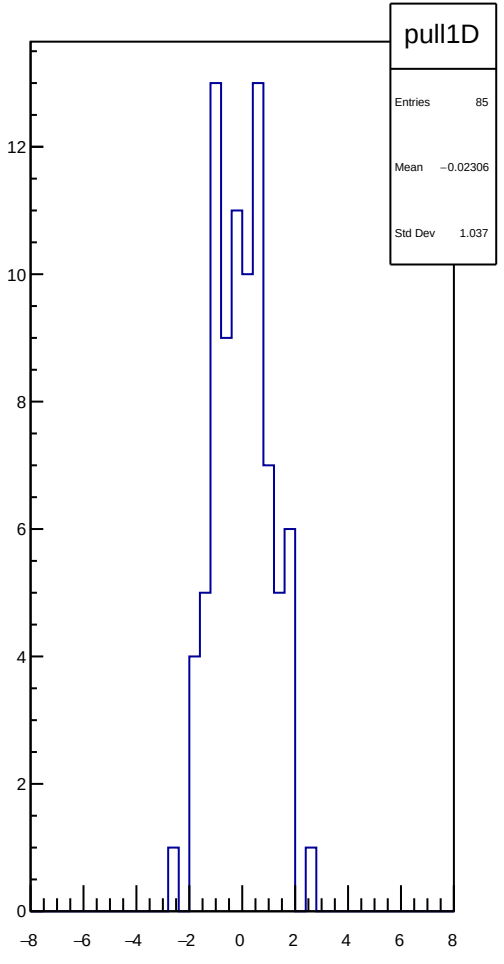

asym_usr_correction_rms vs run
χ² / ndf 2526 / 84
p0 1335 ± 1.04
1550
1500
1450
1400
1350
1300
1250
1200

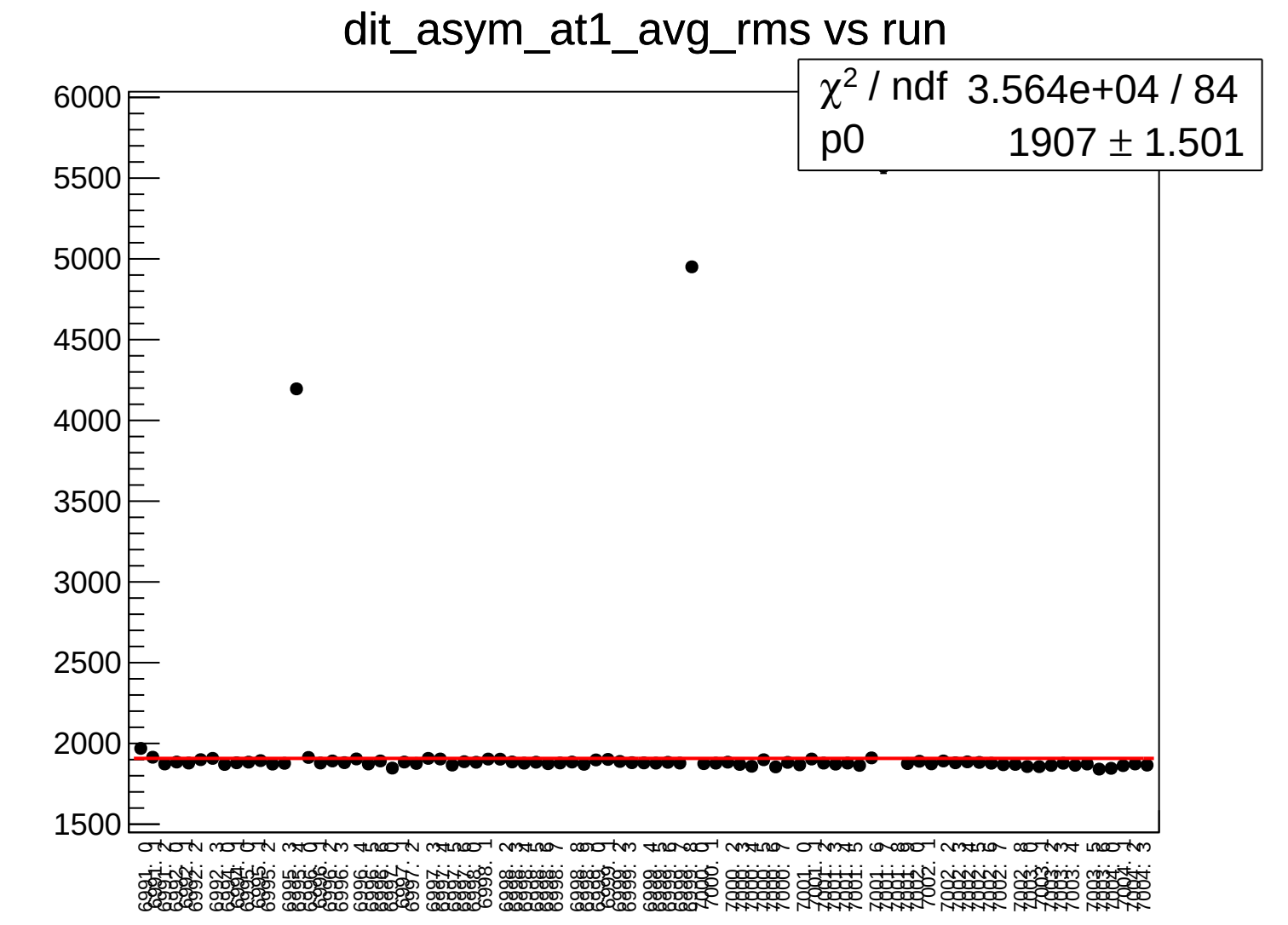

asym_usr_mean vs run
χ² / ndf 99.57 / 84
p0 −893.6 ± 1914
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −125.7
Std Dev 166.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

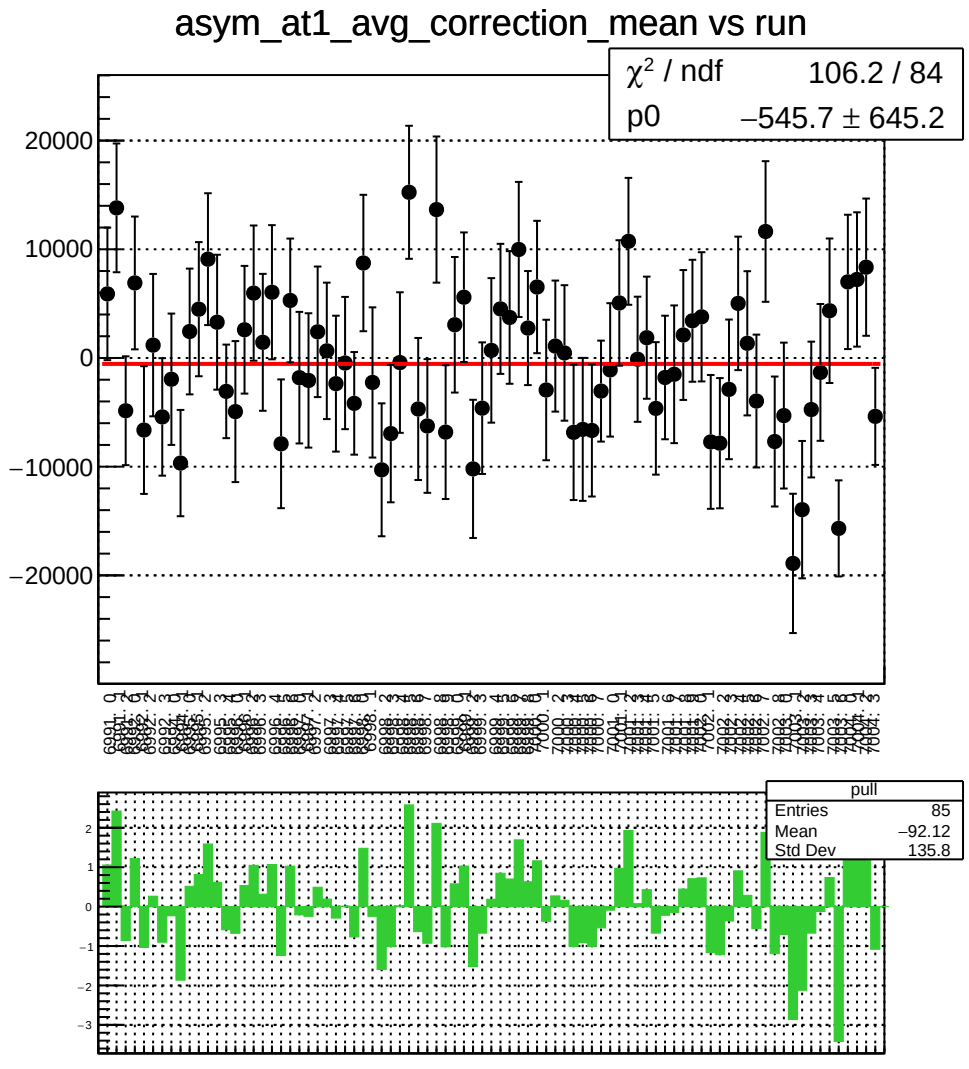

pull1D
Entries 85
Mean −0.03491
Std Dev 1.082
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

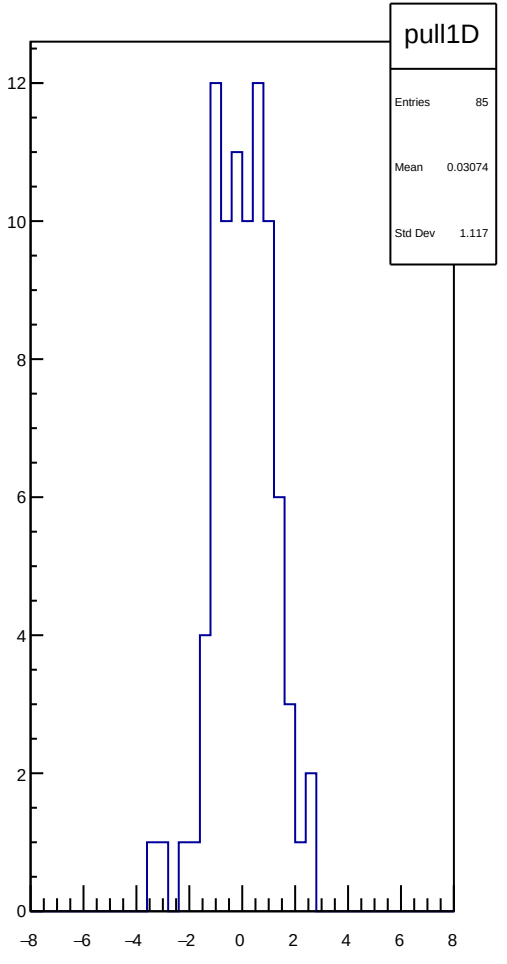

asym_usr_rms vs run
χ² / ndf 980.4 / 84
p0 1738 ± 1.354
1900
1850
1800
1750
1700
1650

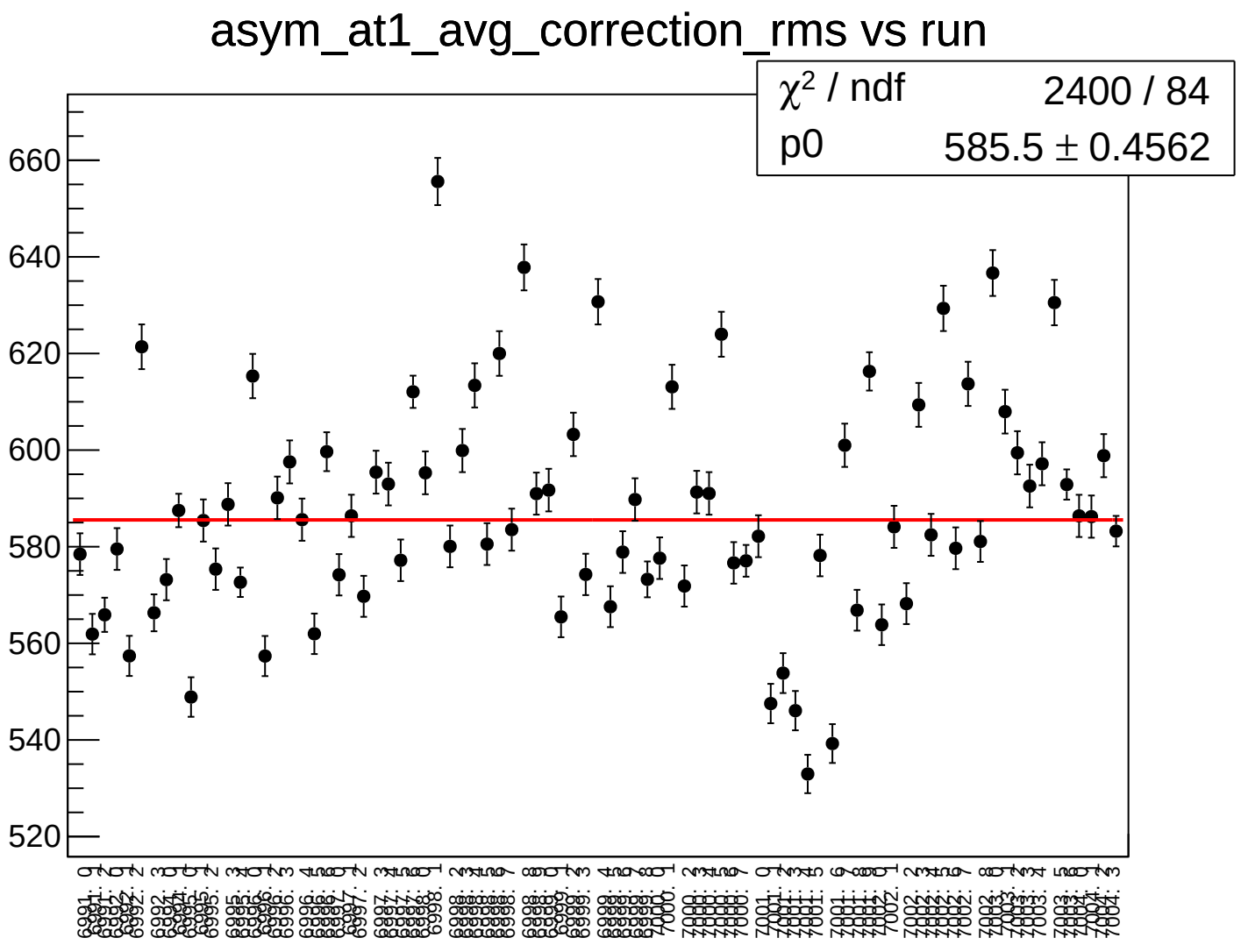

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 91.5 / 84
p0 −5491 ± 2123
50
0
−50
−100
−150
pull
Entries 85
Mean −163.5
Std Dev 203
2
1
0
−1
−2

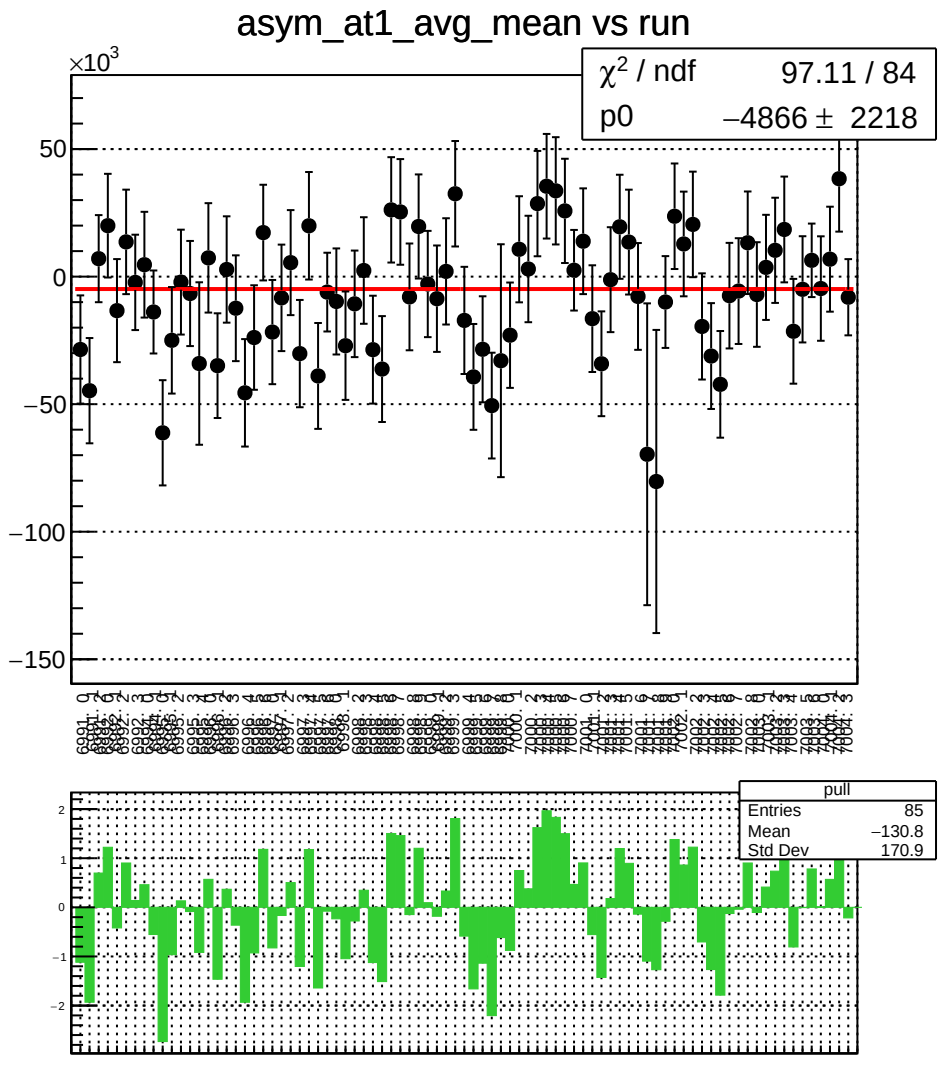

pull1D
Entries 85
Mean −0.02306
Std Dev 1.037
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

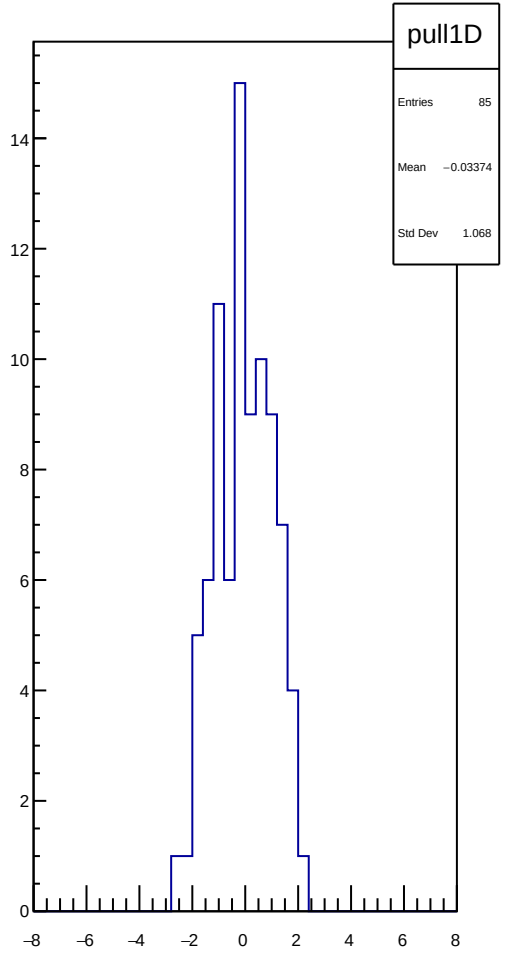

dit_asym_at1_avg_rms vs run
χ² / ndf 3.564e+04 / 84
p0 1907 ± 1.501
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

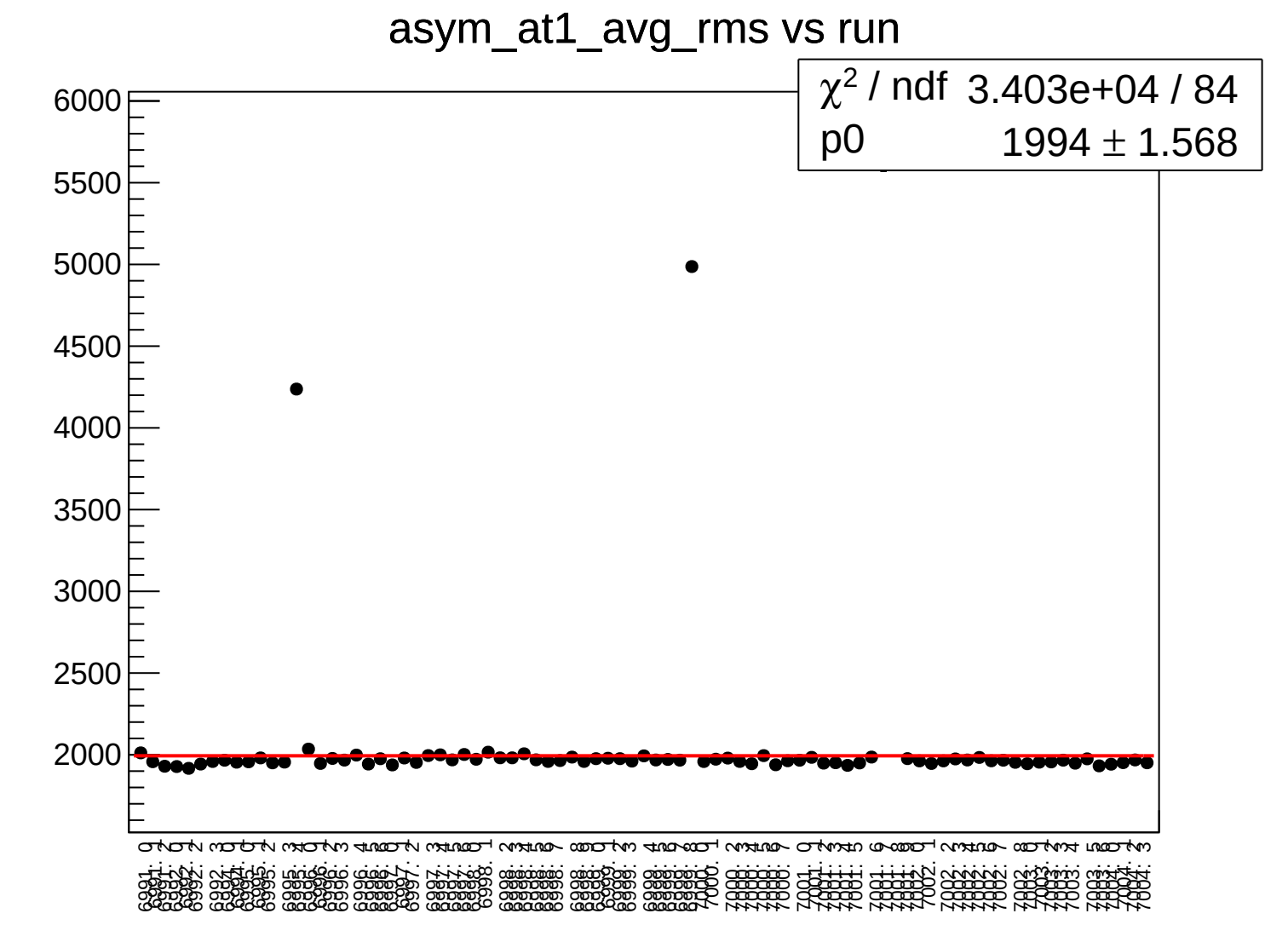

asym_at1_avg_correction_mean vs run
χ² / ndf 106.2 / 84
p0 −545.7 ± 645.2
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −92.12
Std Dev 135.8
2
1
0
−1
−2
−3

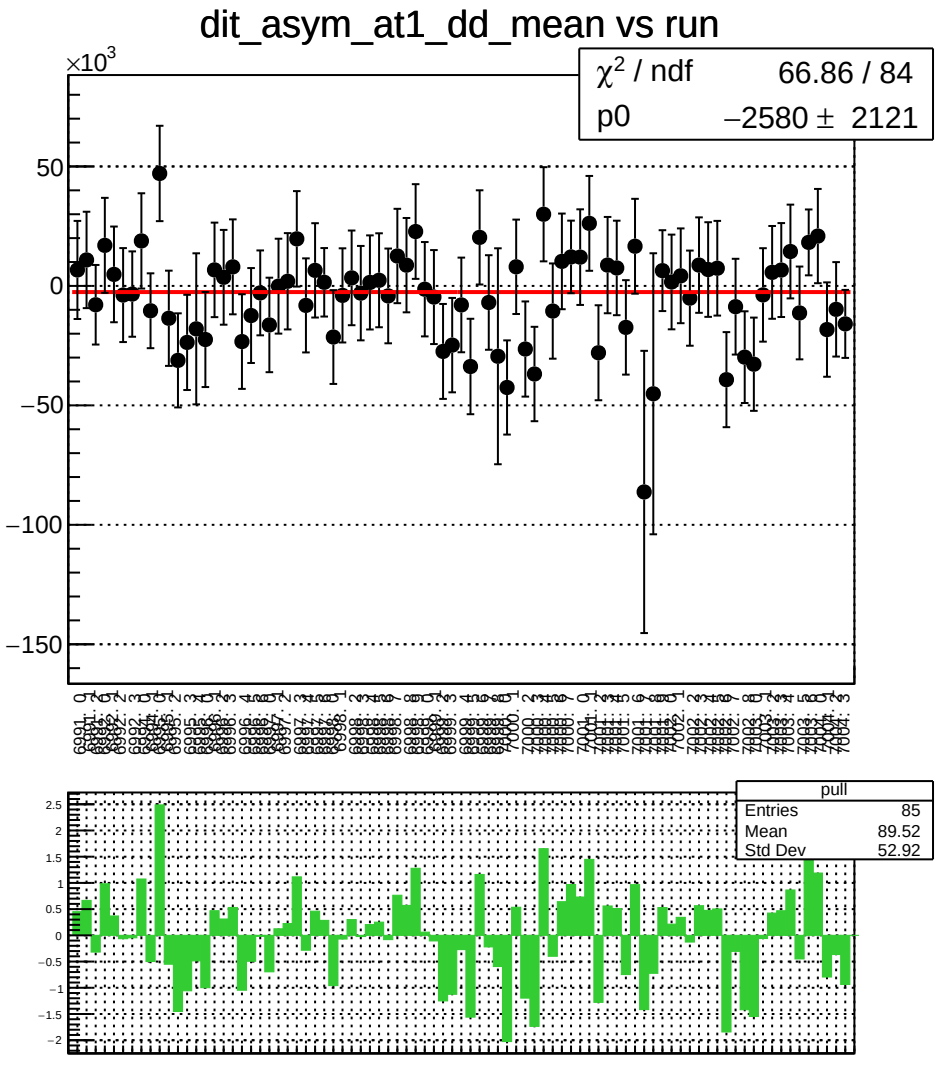

pull1D
Entries 85
Mean 0.03074
Std Dev 1.117
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

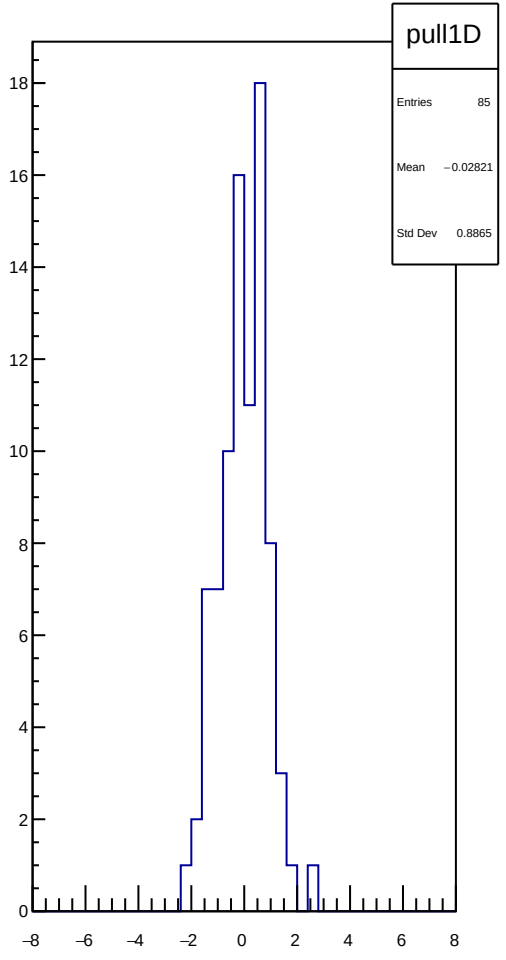

asym_at1_avg_correction_rms vs run
χ² / ndf 2400 / 84
p0 585.5 ± 0.4562
660
640
620
600
580
560
540
520

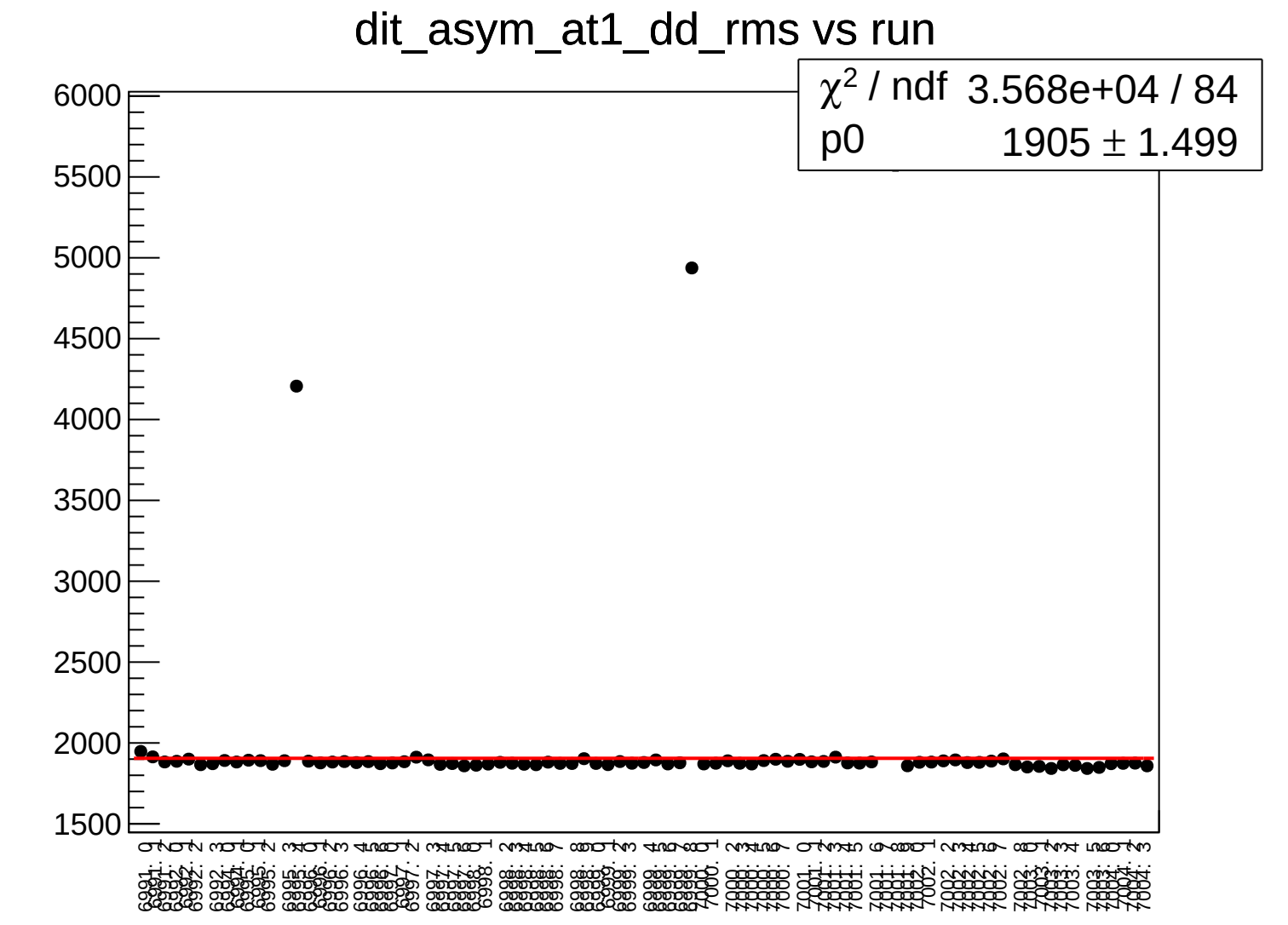

asym_at1_avg_mean vs run
×10^3
χ² / ndf 97.11 / 84
p0 −4866 ± 2218
50
0
−50
−100
−150
pull
Entries 85
Mean −130.8
Std Dev 170.9
2
1
0
−1
−2

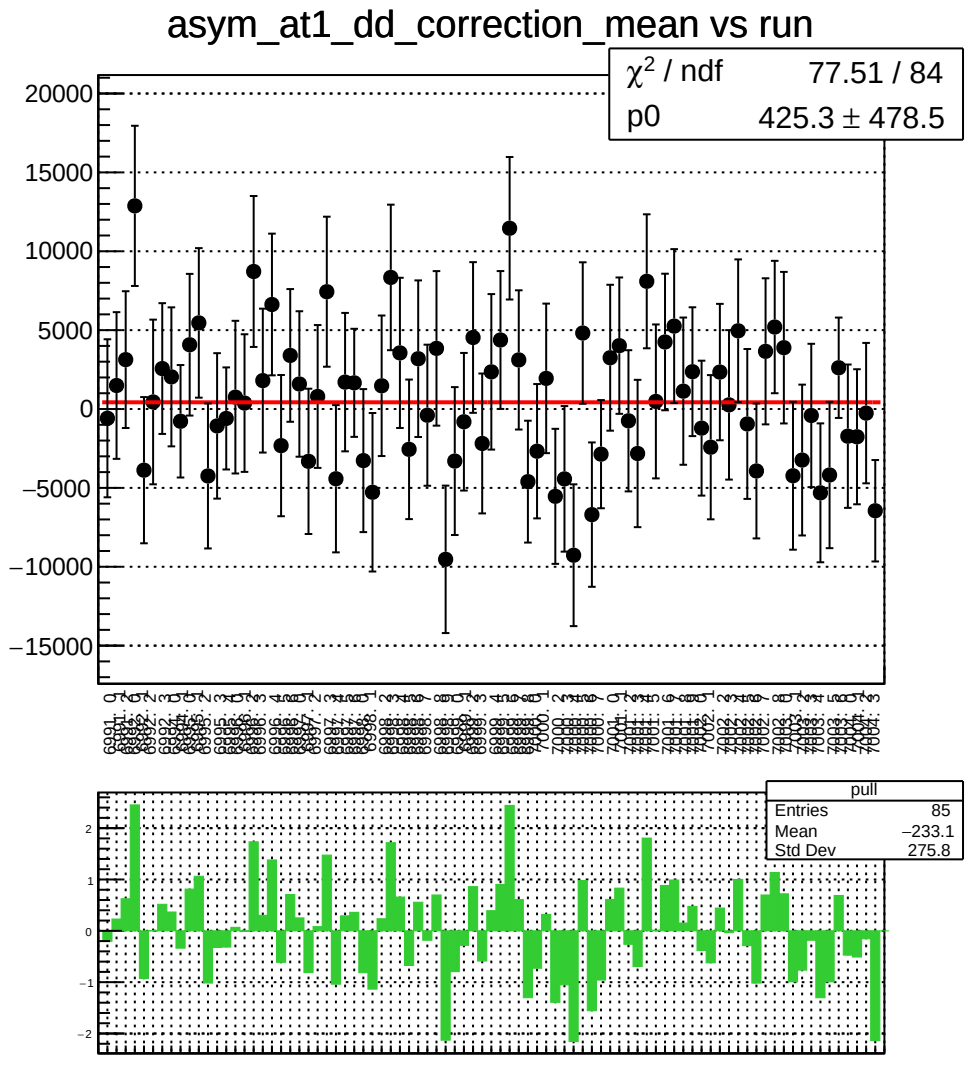

pull1D
Entries 85
Mean −0.03374
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

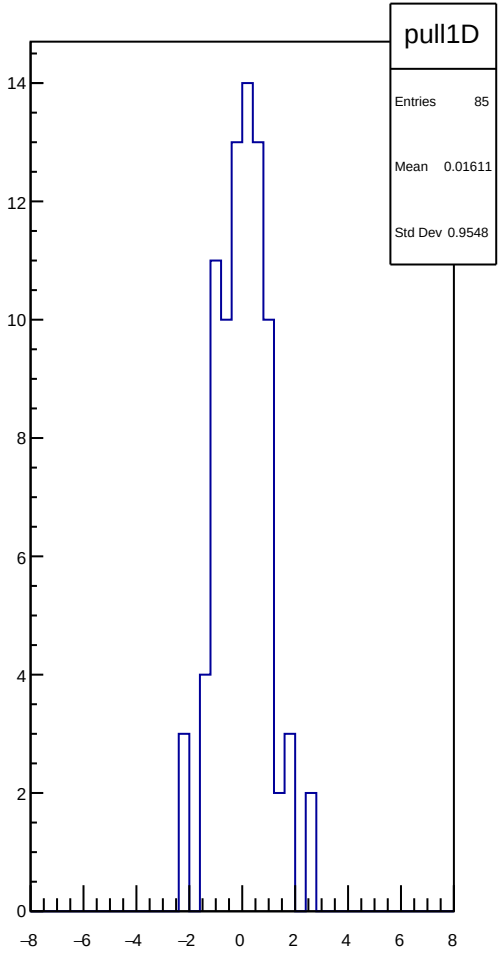

asym_at1_avg_rms vs run
χ² / ndf 3.403e+04 / 84
p0 1994 ± 1.568
6000
5500
5000
4500
4000
3500
3000
2500
2000

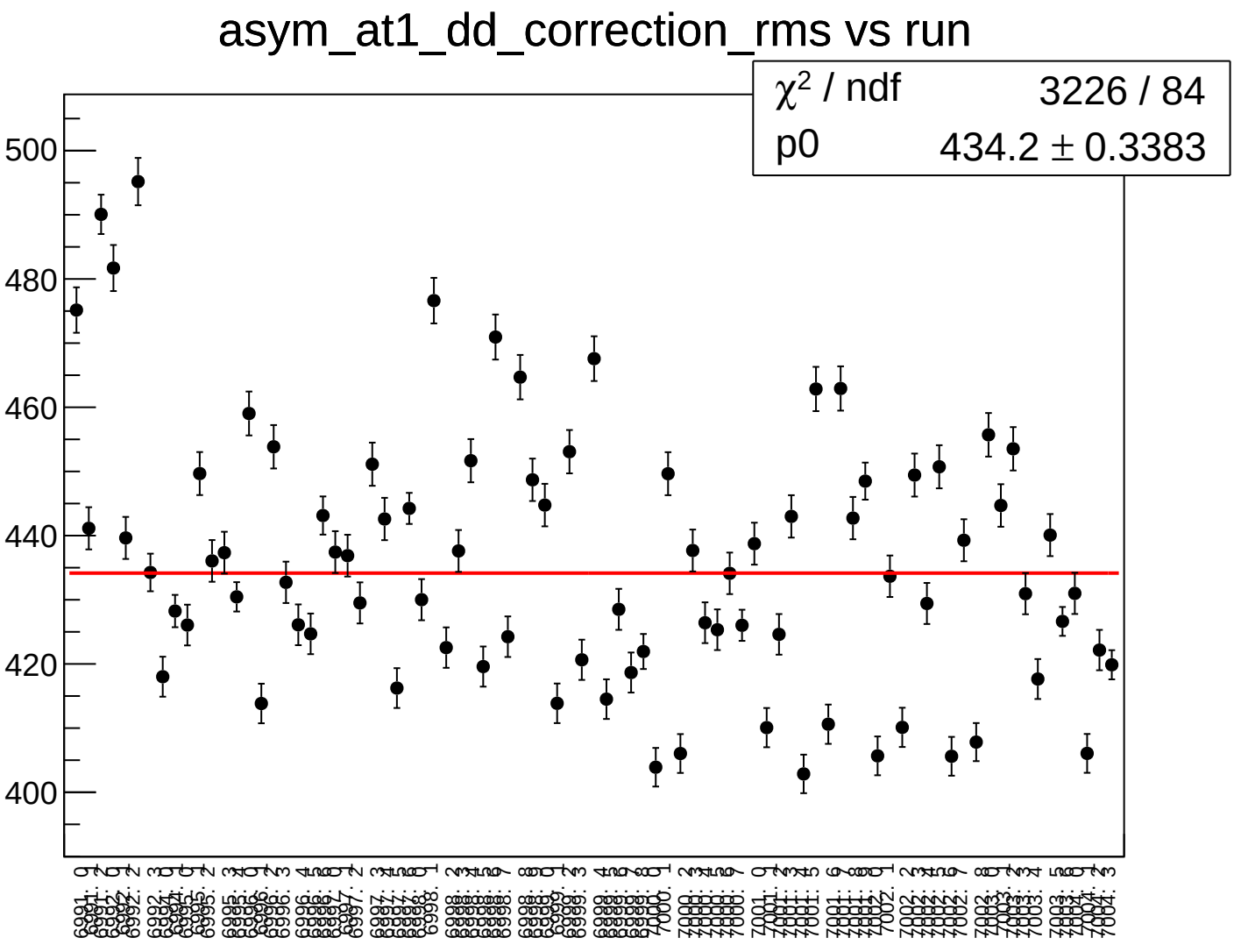

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 66.86 / 84
p0 −2580 ± 2121
50
0
−50
−100
−150
pull
Entries 85
Mean 89.52
Std Dev 52.92
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

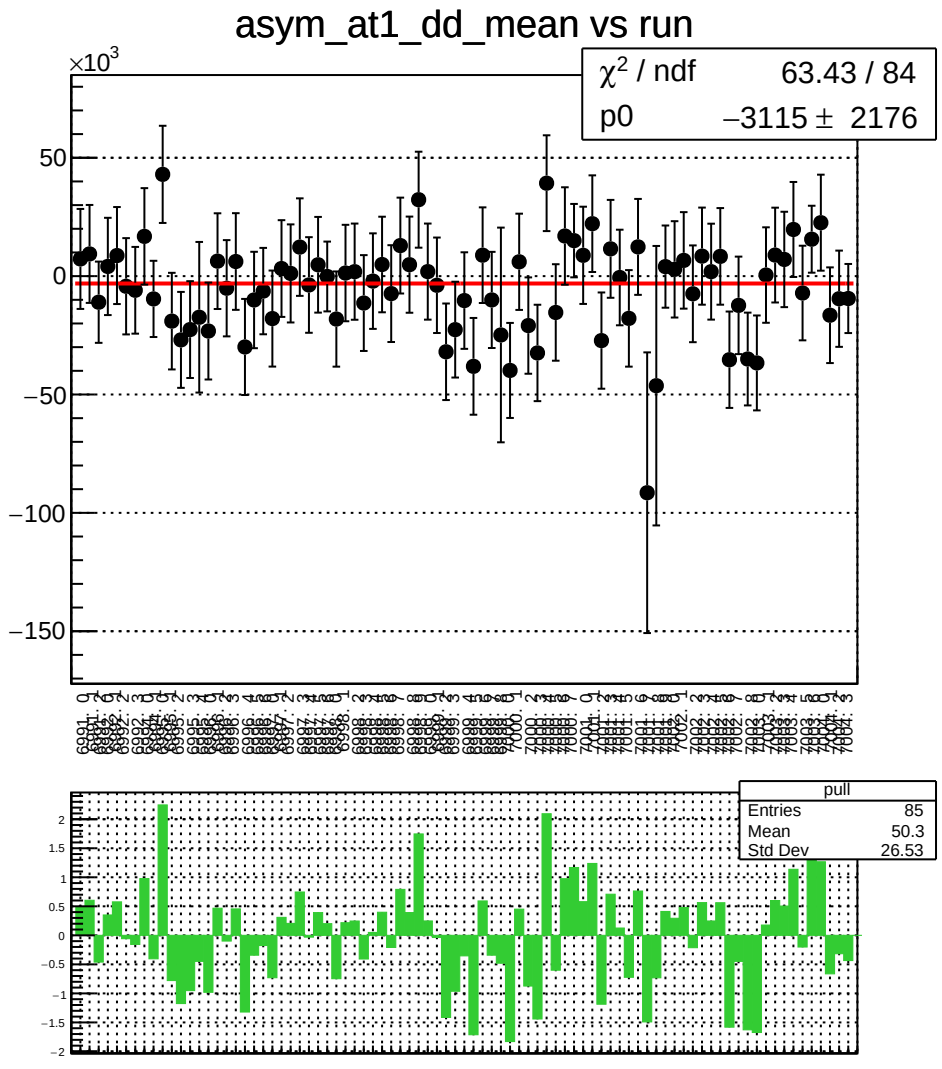

pull1D
Entries 85
Mean −0.02821
Std Dev 0.8865
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

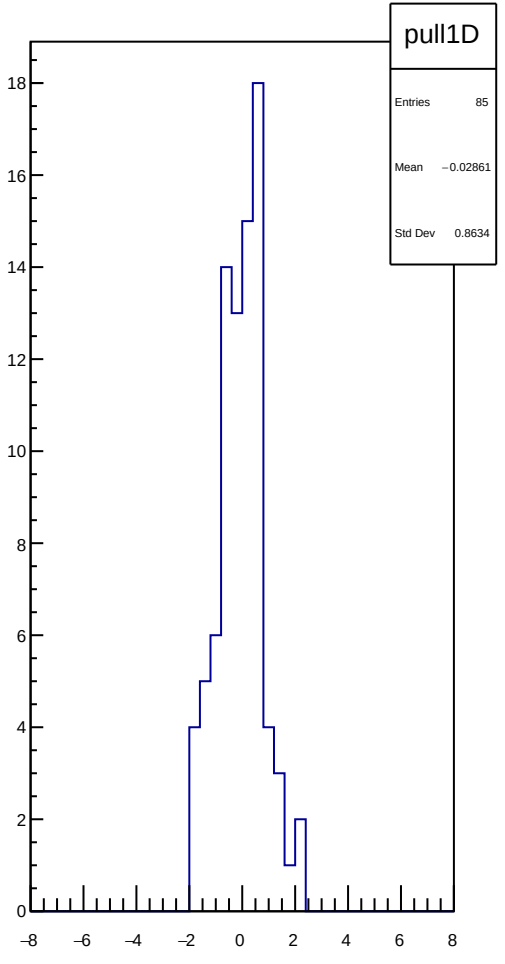

dit_asym_at1_dd_rms vs run
χ² / ndf 3.568e+04 / 84
p0 1905 ± 1.499
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

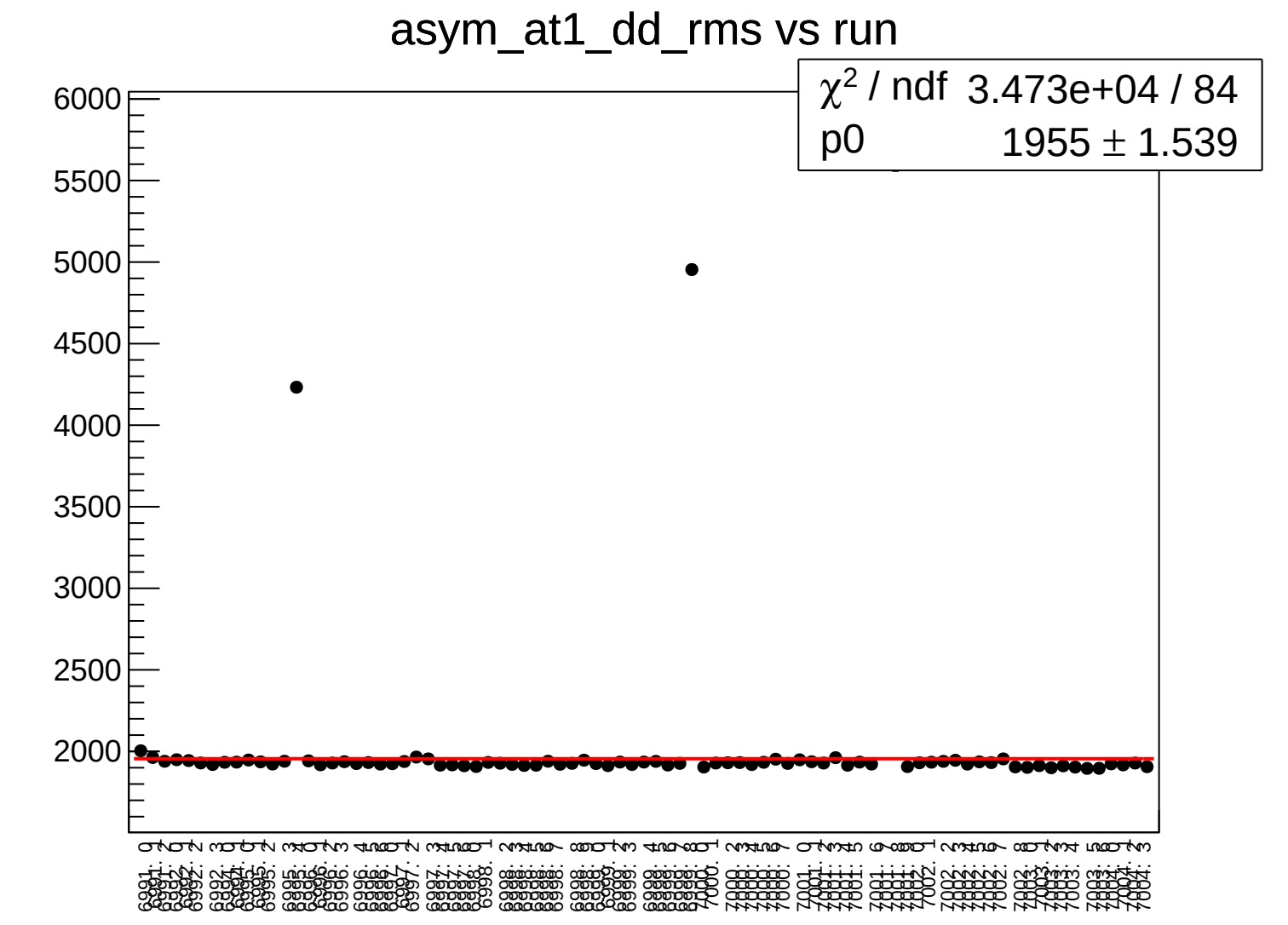

asym_at1_dd_correction_mean vs run
χ² / ndf 77.51 / 84
p0 425.3 ± 478.5
pull
Entries 85
Mean −233.1
Std Dev 275.8

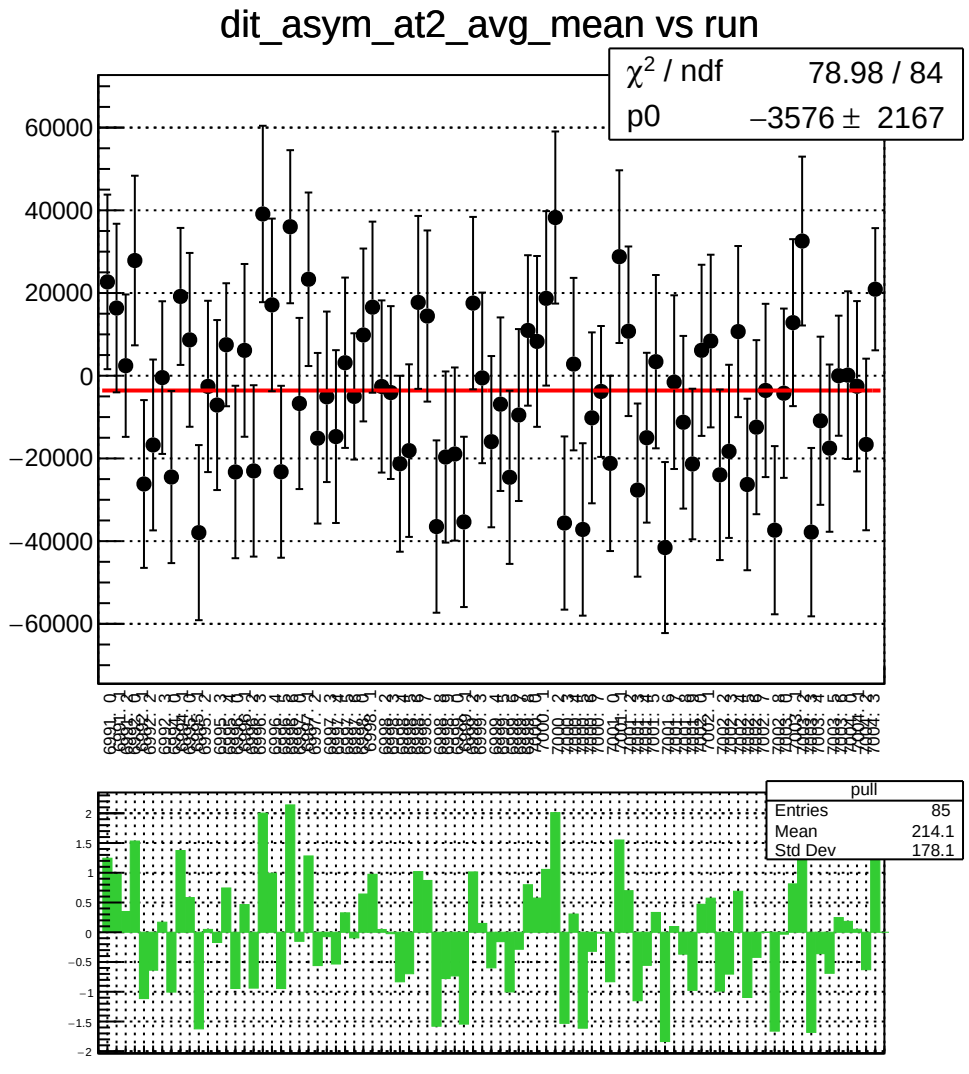

pull1D
Entries 85
Mean 0.01611
Std Dev 0.9548

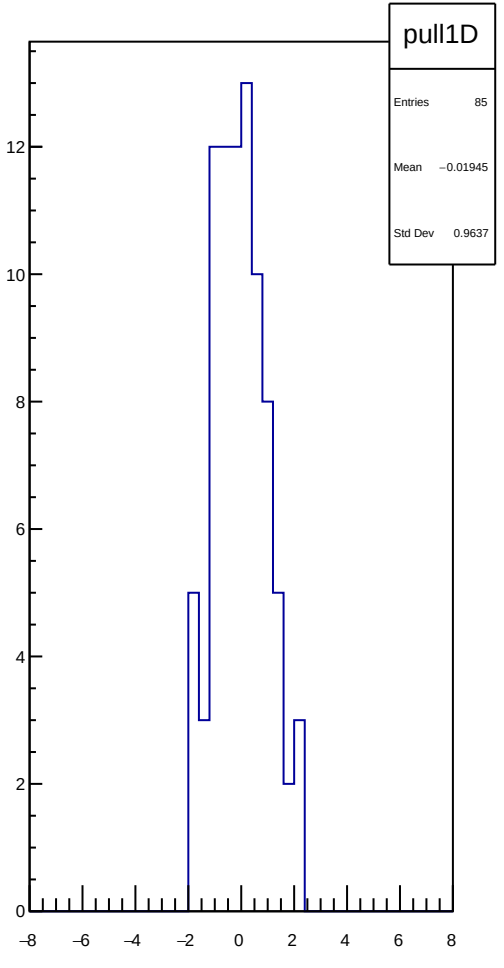

asym_at1_dd_correction_rms vs run
χ² / ndf 3226 / 84
p0 434.2 ± 0.3383
500
480
460
440
420
400

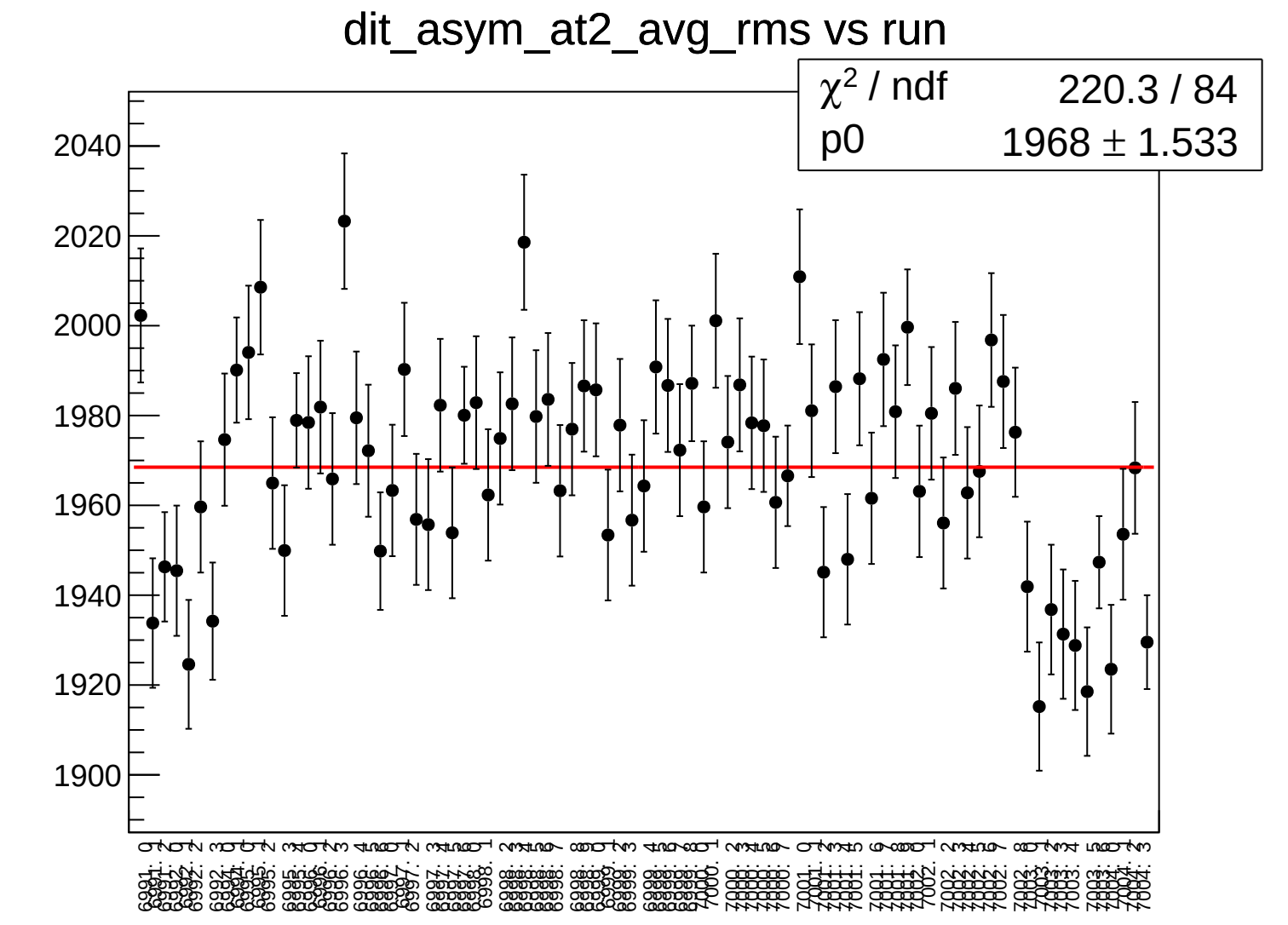

asym_at1_dd_mean vs run
×10^3
χ² / ndf 63.43 / 84
p0 −3115 ± 2176
50
0
−50
−100
−150
pull
Entries 85
Mean 50.3
Std Dev 26.53
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

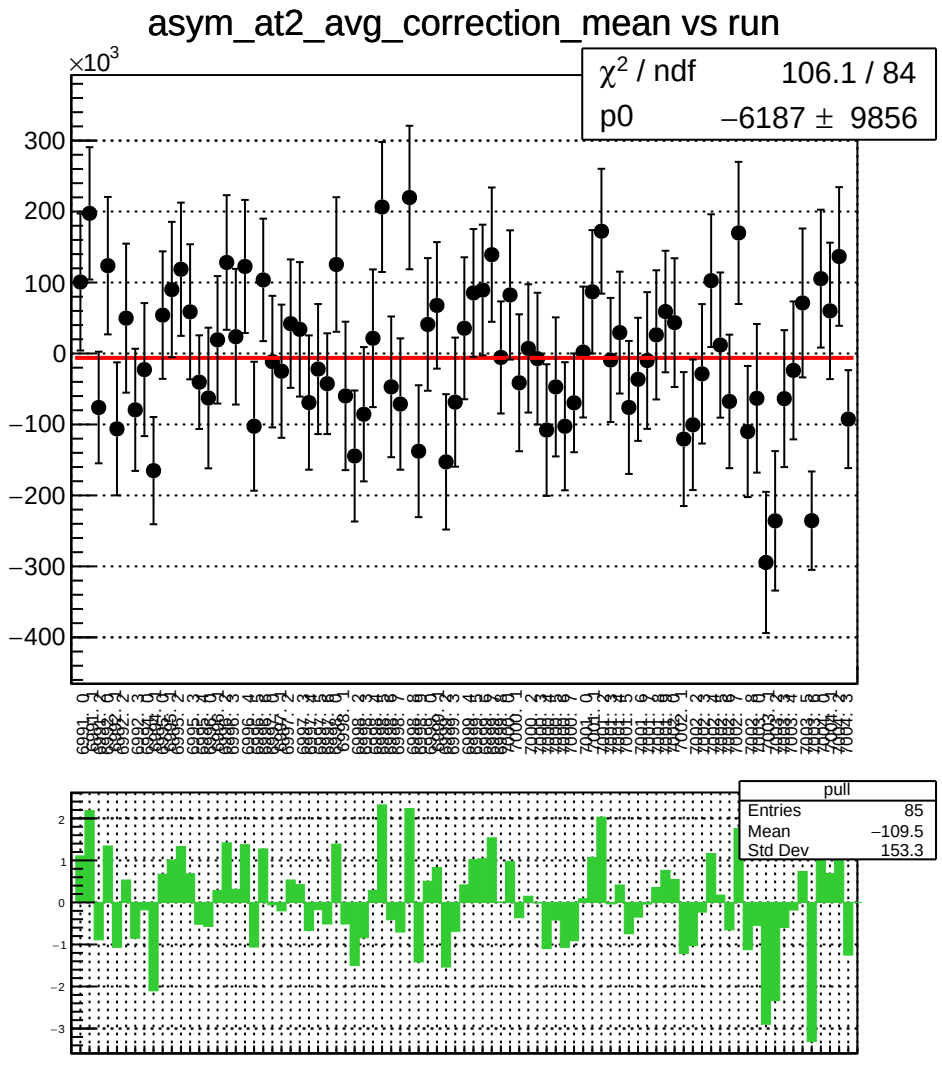

pull1D
Entries 85
Mean −0.02861
Std Dev 0.8634
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

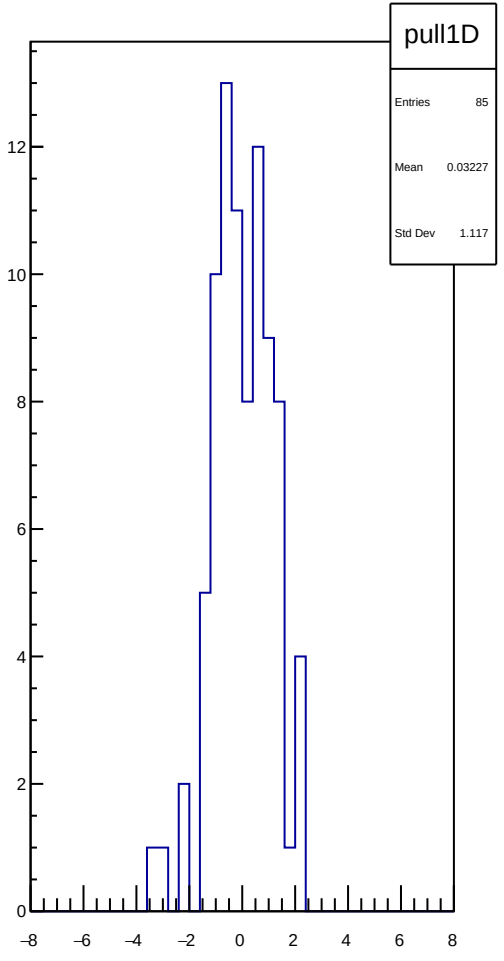

asym_at1_dd_rms vs run
χ² / ndf 3.473e+04 / 84
p0 1955 ± 1.539
6000
5500
5000
4500
4000
3500
3000
2500
2000

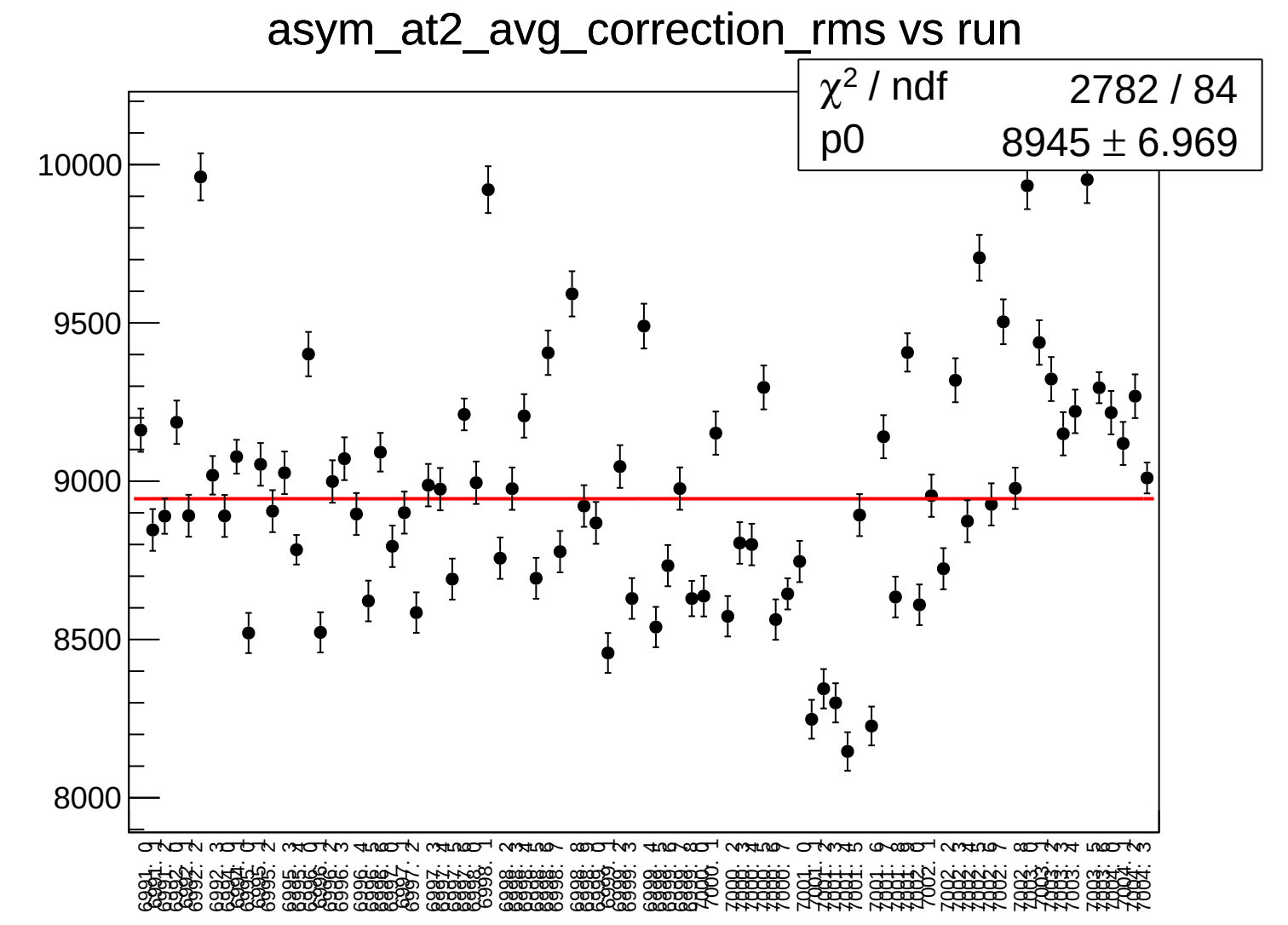

dit_asym_at2_avg_mean vs run
χ² / ndf 78.98 / 84
p0 −3576 ± 2167
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 214.1
Std Dev 178.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

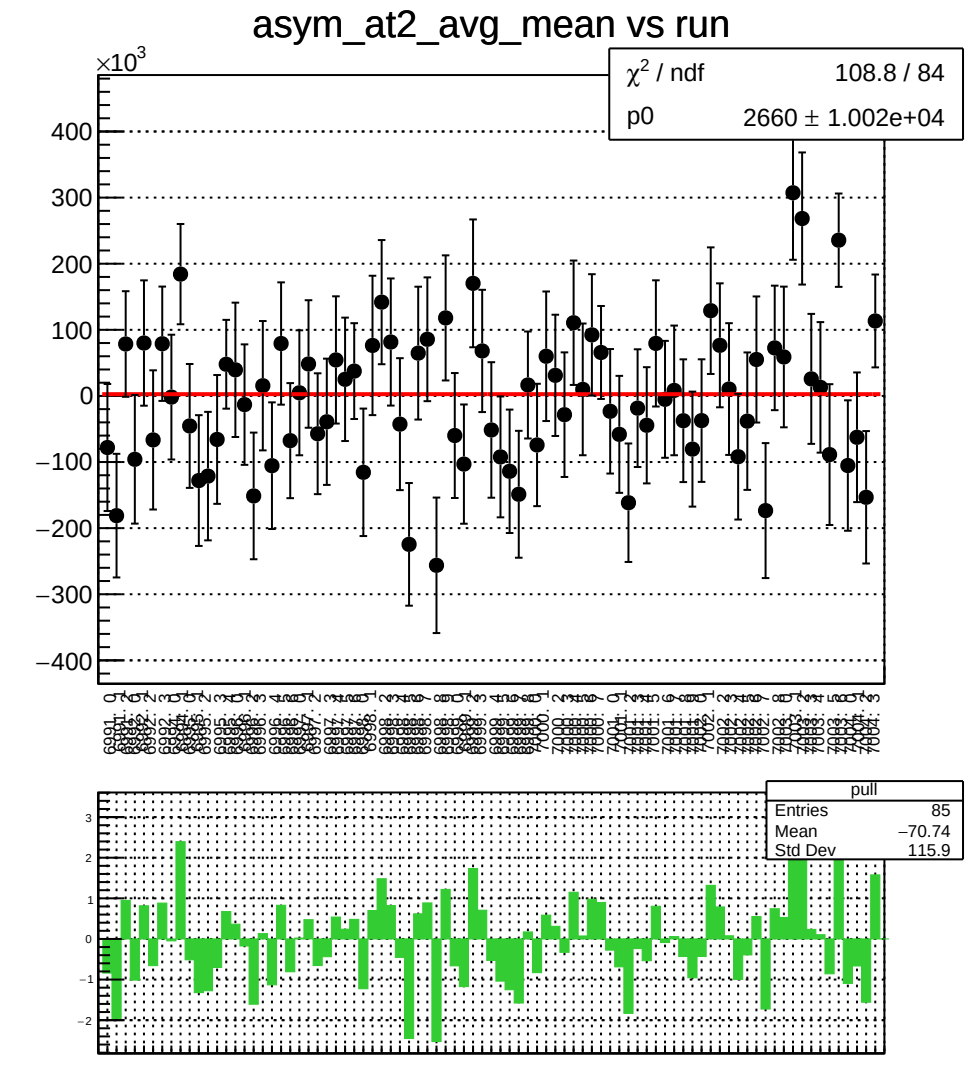

pull1D
Entries 85
Mean −0.01945
Std Dev 0.9637
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

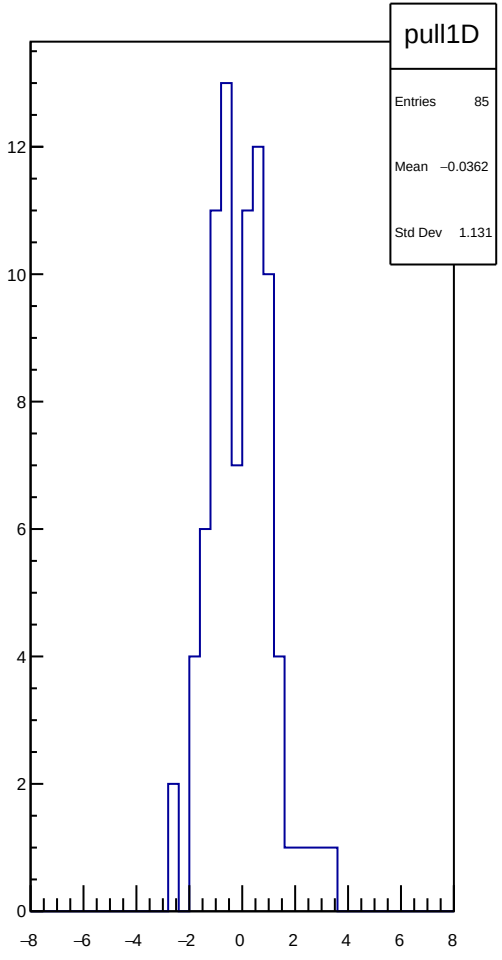

dit_asym_at2_avg_rms vs run
χ^2 / ndf 220.3 / 84
p0 1968 ± 1.533
2040
2020
2000
1980
1960
1940
1920
1900

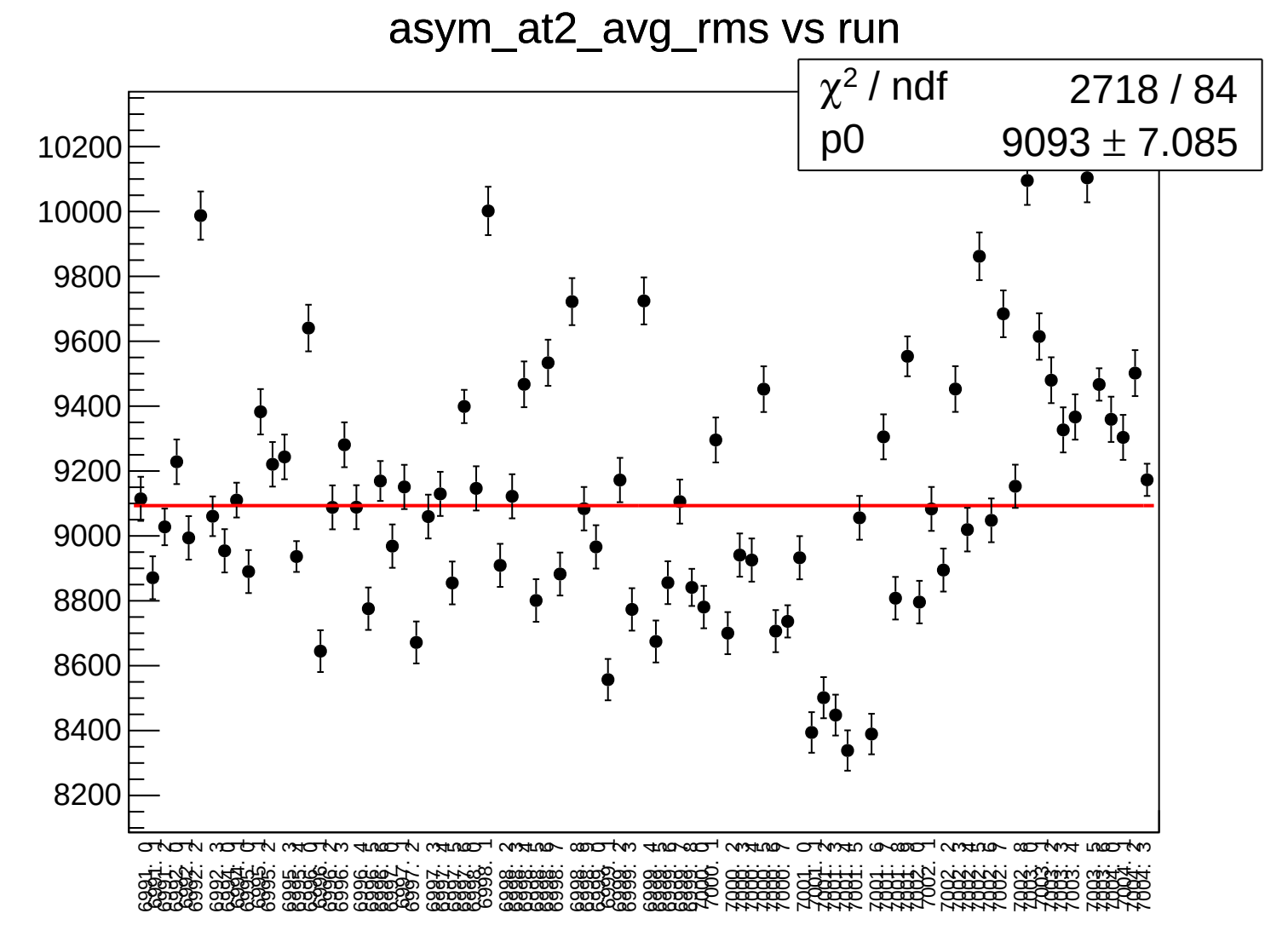

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 106.1 / 84
p0 −6187 ± 9856
300
200
100
0
−100
−200
−300
−400
pull
Entries 85
Mean −109.5
Std Dev 153.3
2
1
0
−1
−2
−3

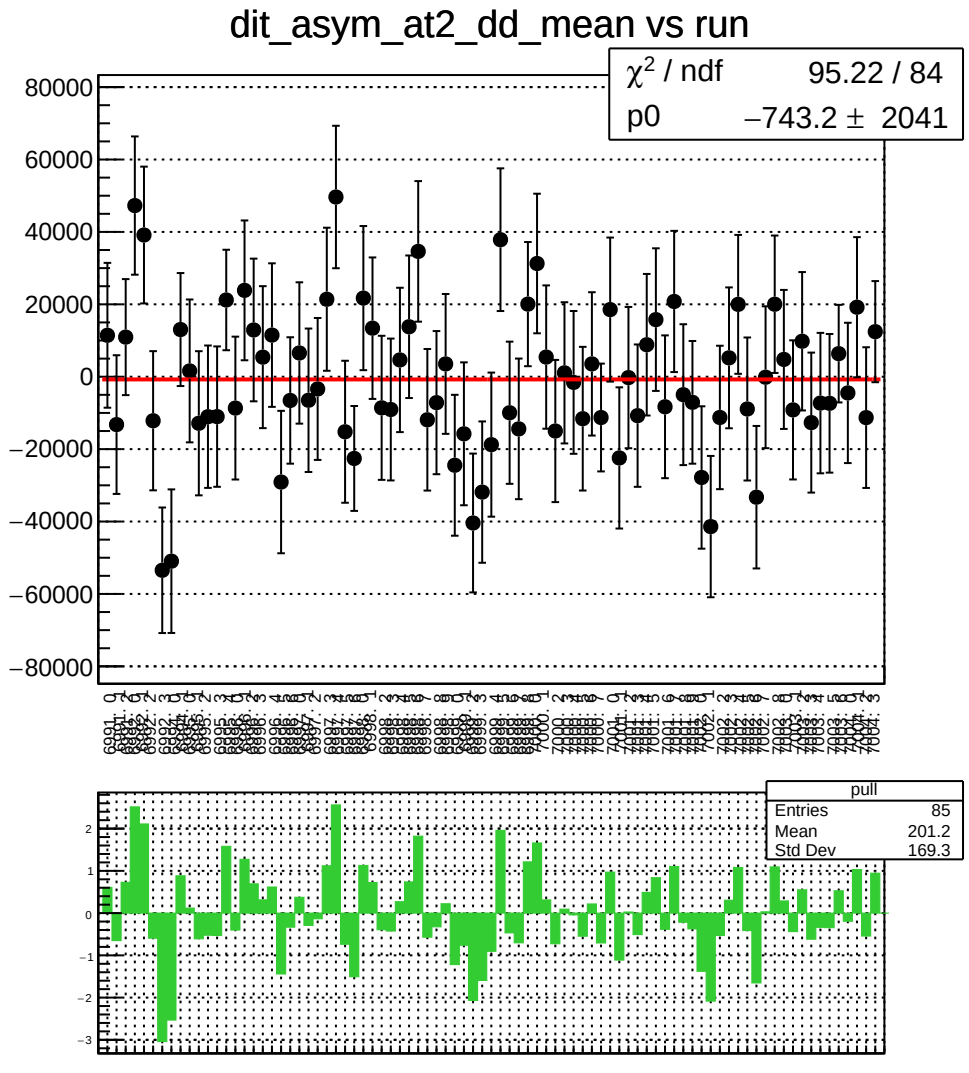

pull1D
Entries 85
Mean 0.03227
Std Dev 1.117
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

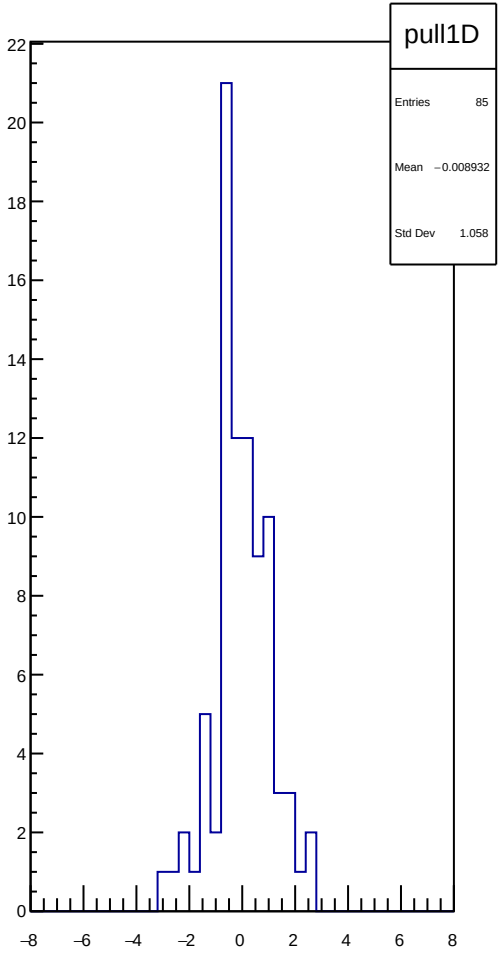

asym_at2_avg_correction_rms vs run
χ² / ndf 2782 / 84
p0 8945 ± 6.969
10000
9500
9000
8500
8000

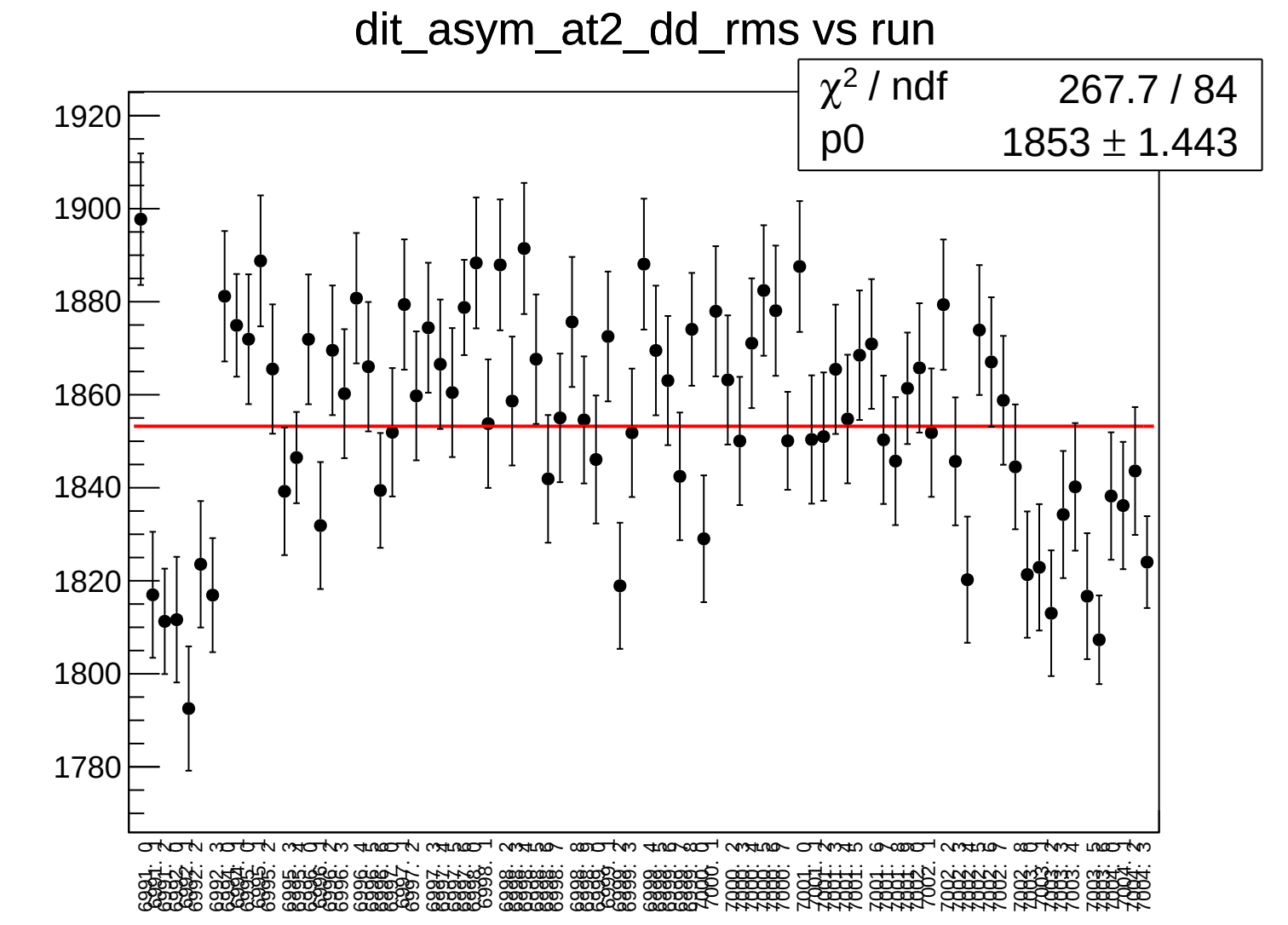

asym_at2_avg_mean vs run
×10^3
χ² / ndf 108.8 / 84
p0 2660 ± 1.002e+04
pull
Entries 85
Mean −70.74
Std Dev 115.9

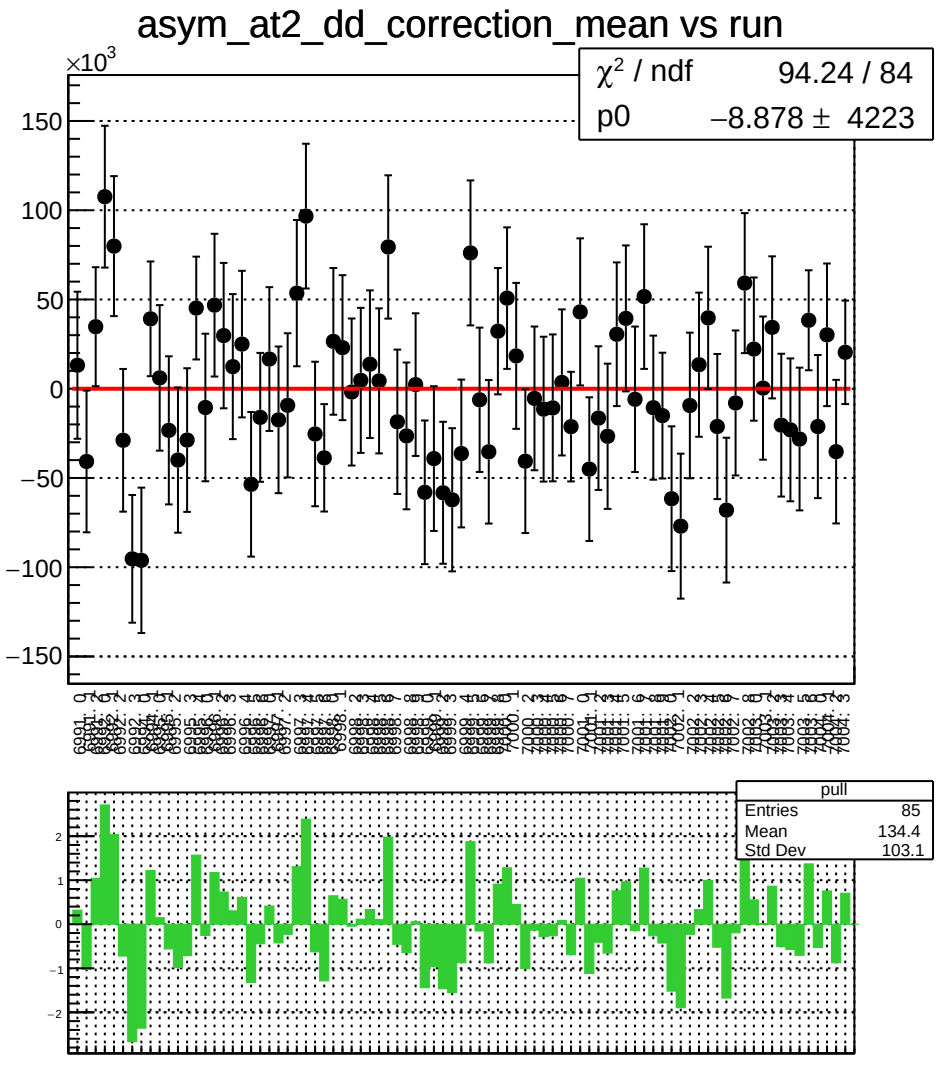

pull1D
Entries 85
Mean −0.0362
Std Dev 1.131

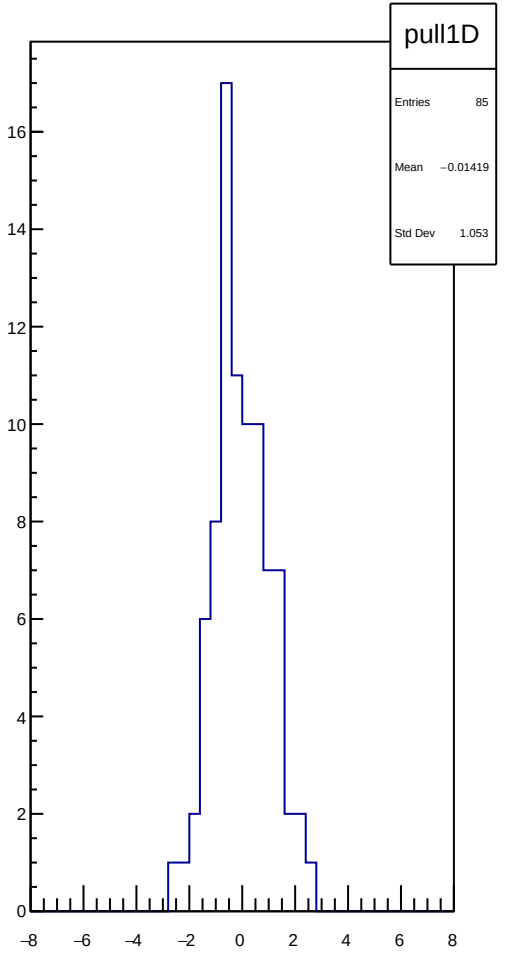

asym_at2_avg_rms vs run
χ^2 / ndf 2718 / 84
p0 9093 ± 7.085
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400
8200

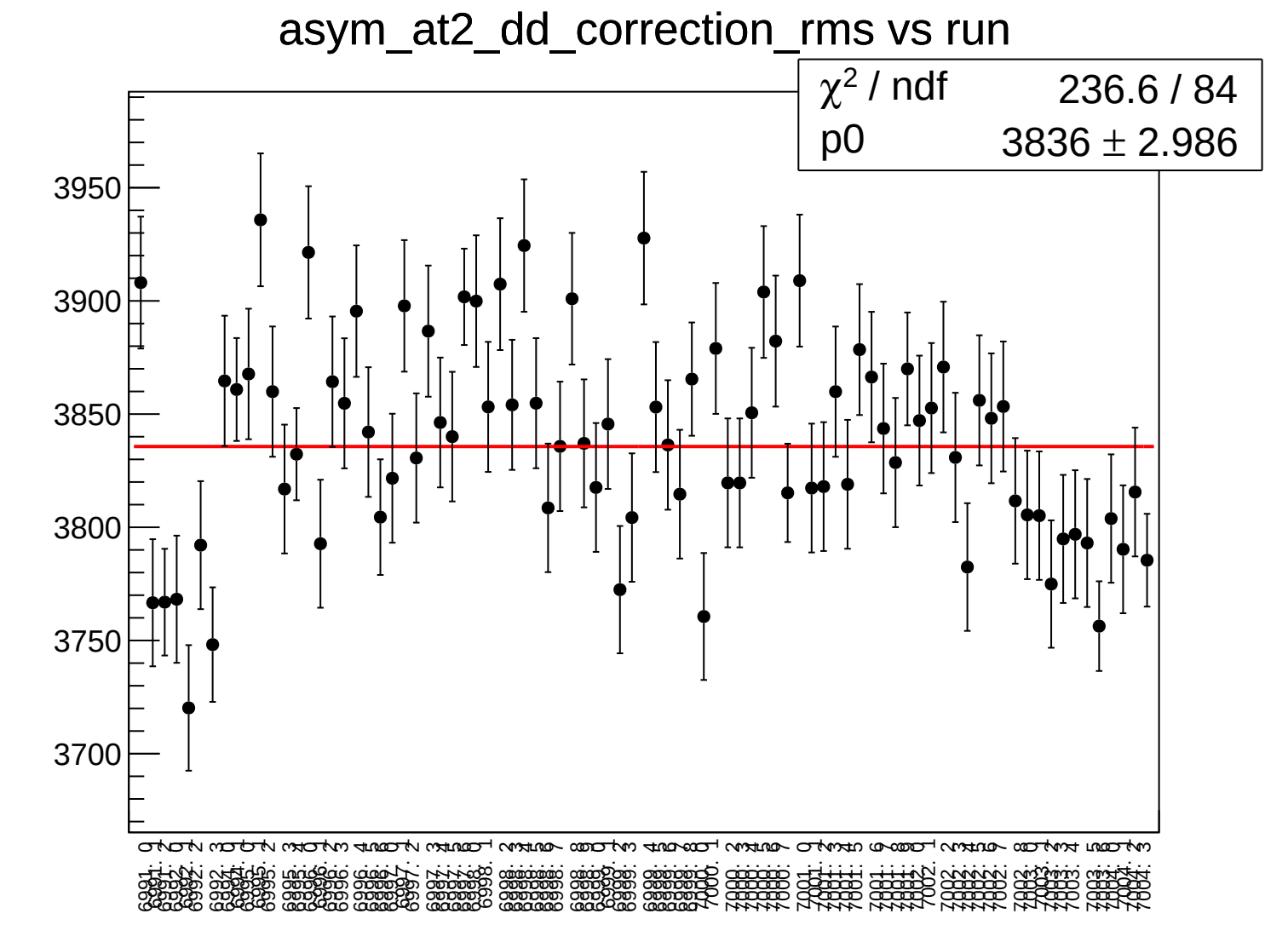

dit_asym_at2_dd_mean vs run
χ² / ndf 95.22 / 84
p0 −743.2 ± 2041
pull
Entries 85
Mean 201.2
Std Dev 169.3

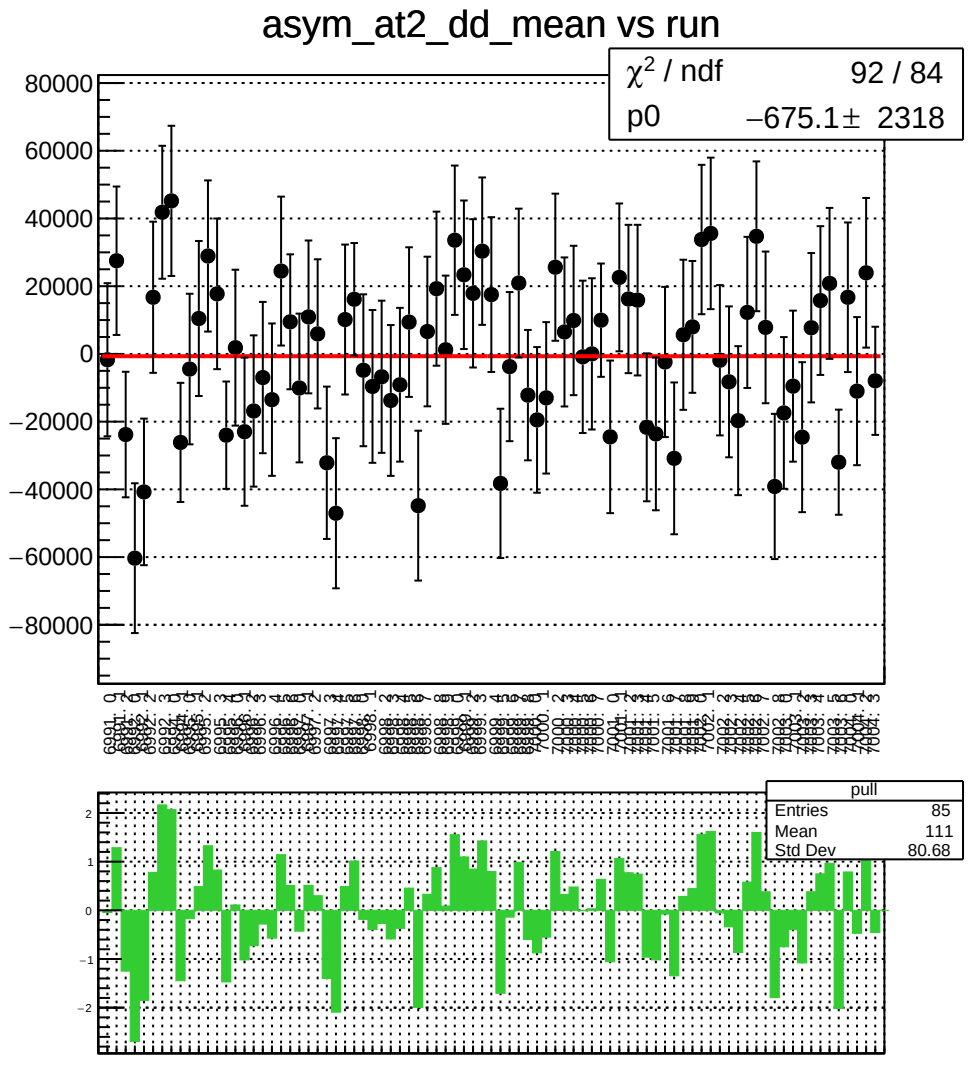

pull1D
Entries 85
Mean −0.008932
Std Dev 1.058

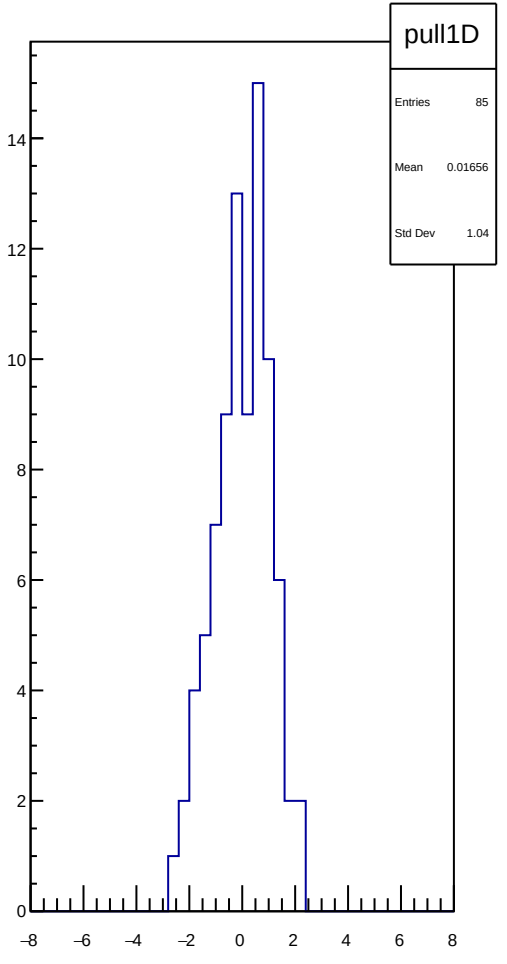

dit_asym_at2_dd_rms vs run
χ² / ndf 267.7 / 84
p0 1853 ± 1.443
1920
1900
1880
1860
1840
1820
1800
1780

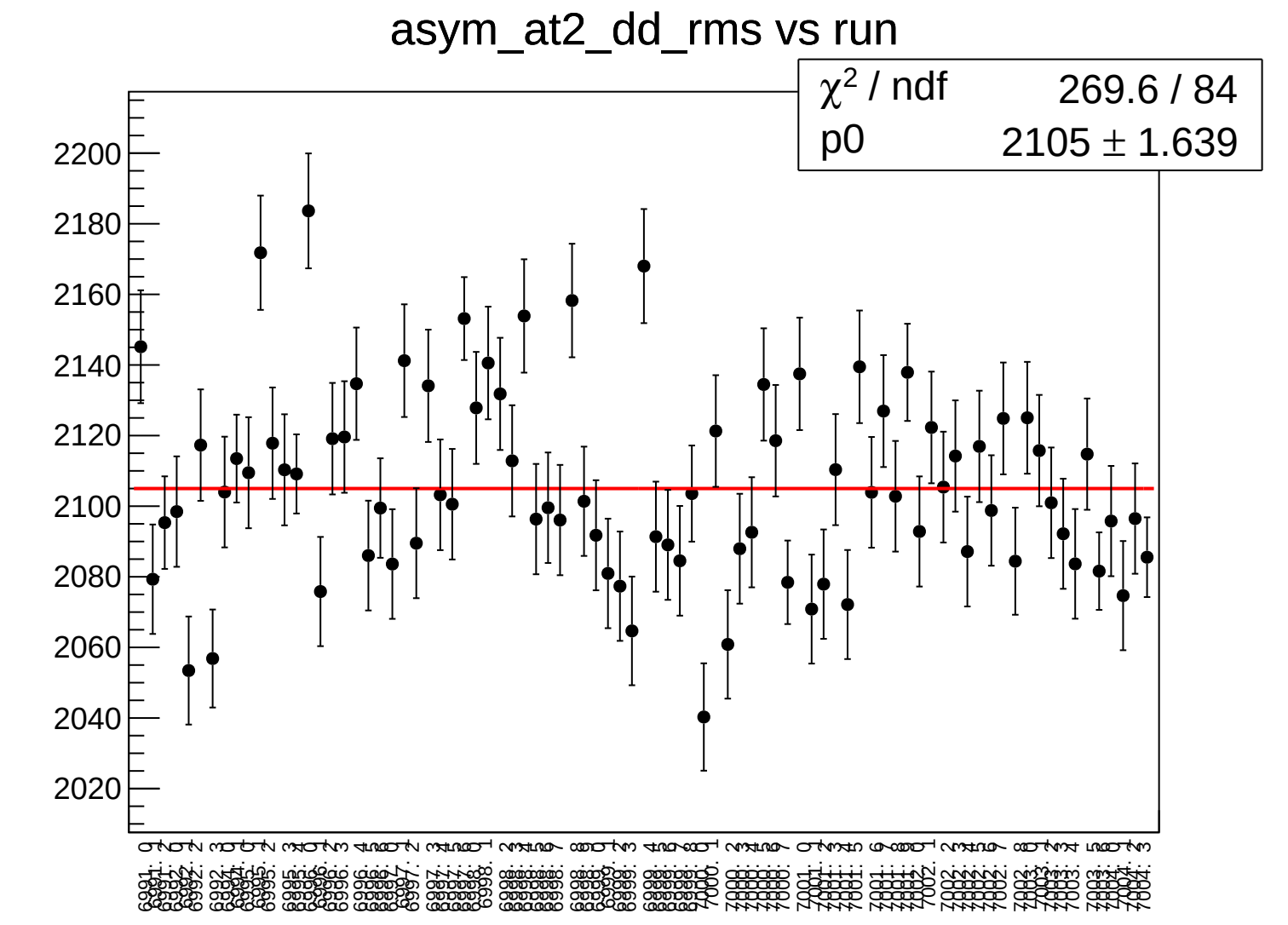

asym_at2_dd_correction_mean vs run
χ² / ndf 94.24 / 84
p0 −8.878 ± 4223
×10³
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean 134.4
Std Dev 103.1
2
1
0
−1
−2

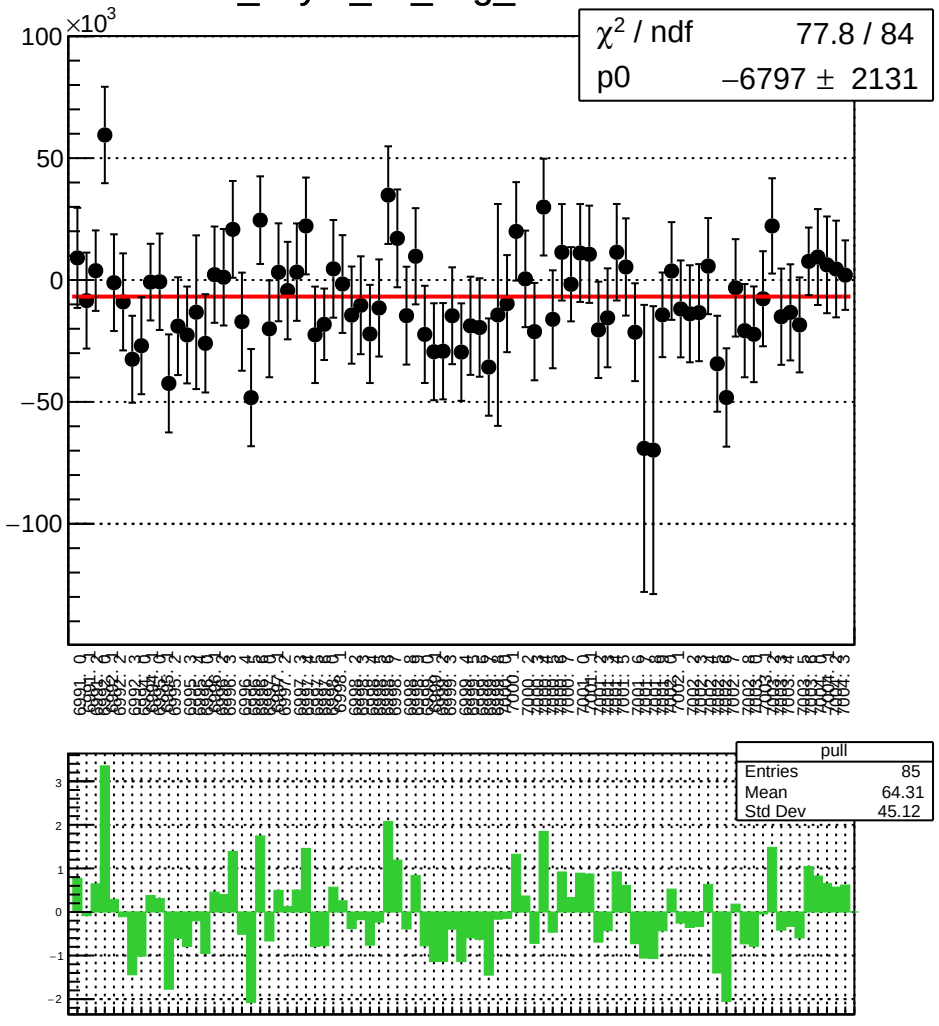

pull1D
Entries 85
Mean −0.01419
Std Dev 1.053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

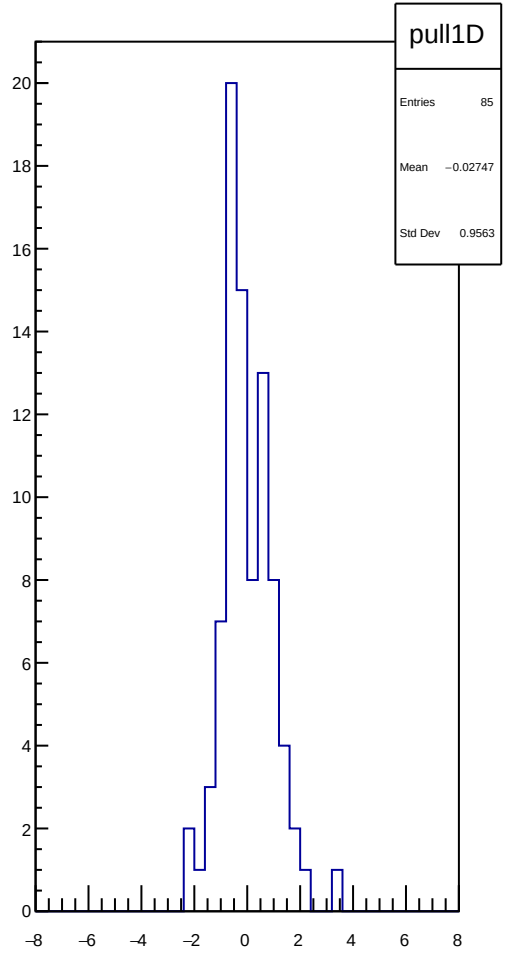

asym_at2_dd_correction_rms vs run
χ² / ndf 236.6 / 84
p0 3836 ± 2.986
3950
3900
3850
3800
3750
3700

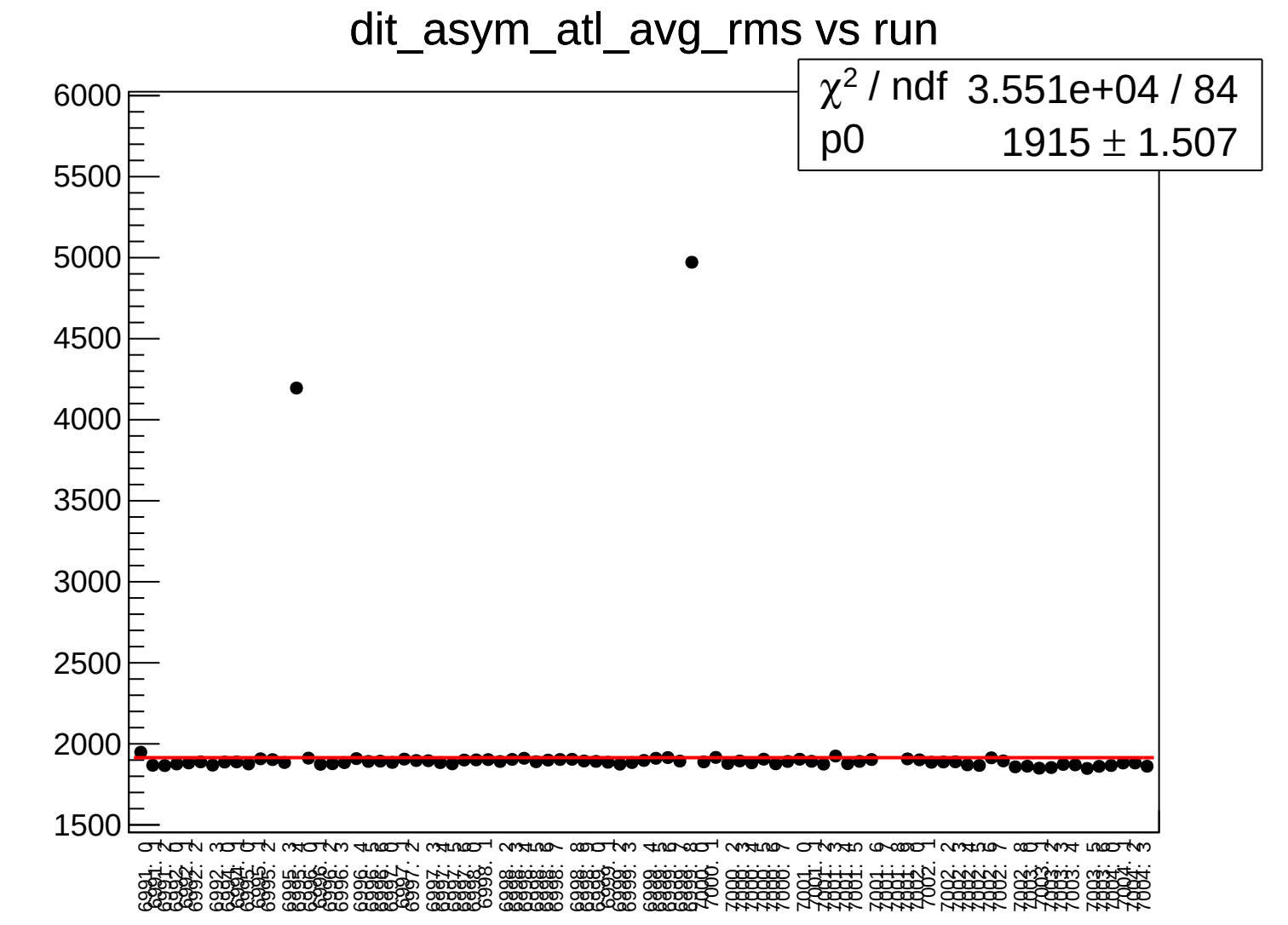

asym_at2_dd_mean vs run
χ² / ndf 92 / 84
p0 −675.1± 2318
pull
Entries 85
Mean 111
Std Dev 80.68

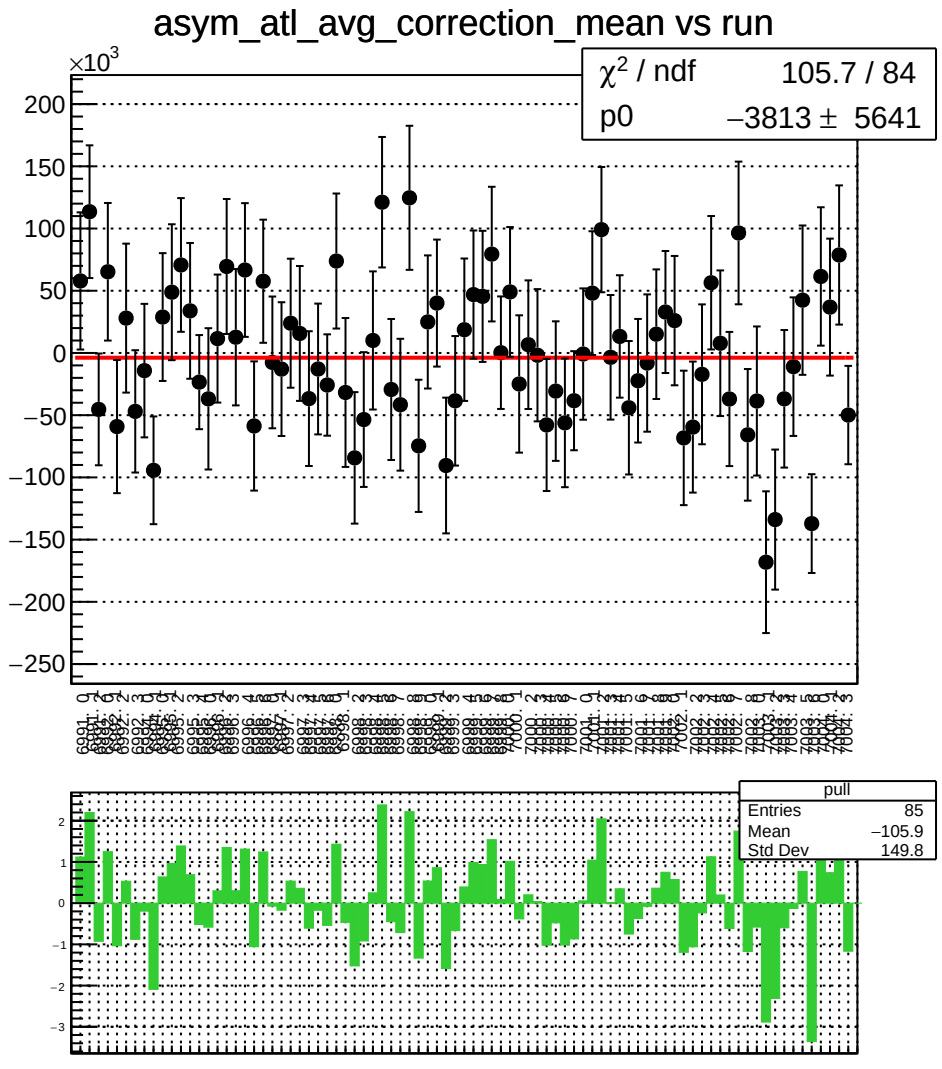

pull1D
Entries 85
Mean 0.01656
Std Dev 1.04

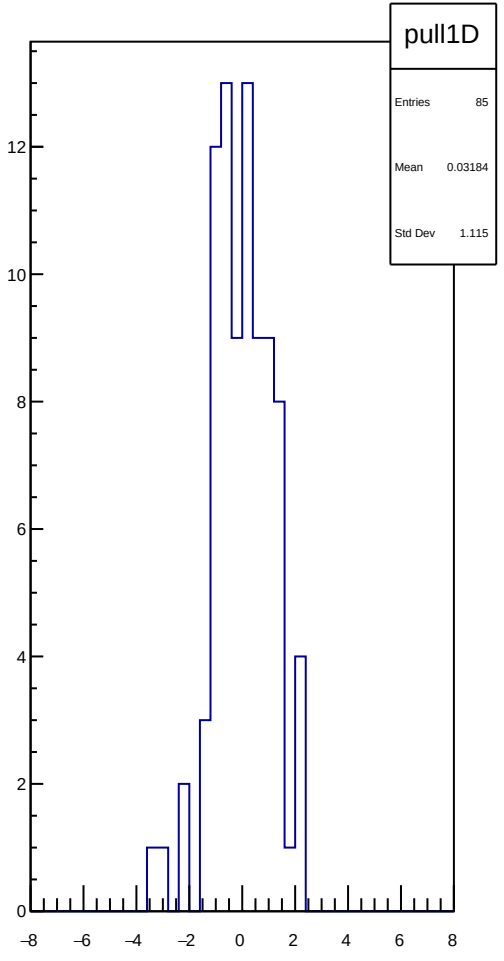

asym_at2_dd_rms vs run
χ^2 / ndf 269.6 / 84
p0 2105 ± 1.639
2200
2180
2160
2140
2120
2100
2080
2060
2040
2020

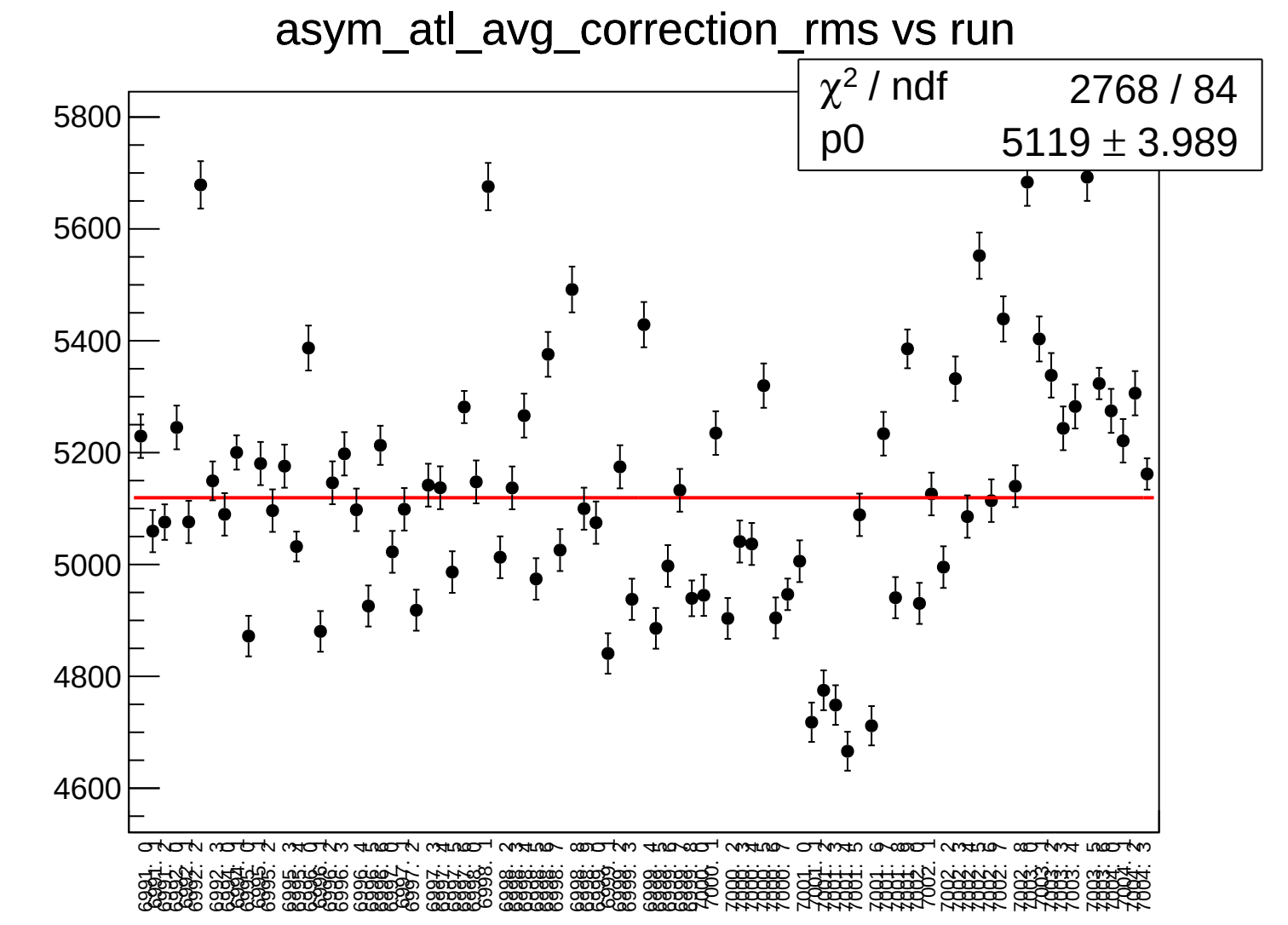

dit_asym_atl_avg_mean vs run
χ^2 / ndf 77.8 / 84
p0 −6797 ± 2131
×10^3
100
50
0
−50
−100
pull
Entries 85
Mean 64.31
Std Dev 45.12
3
2
1
0
−1
−2

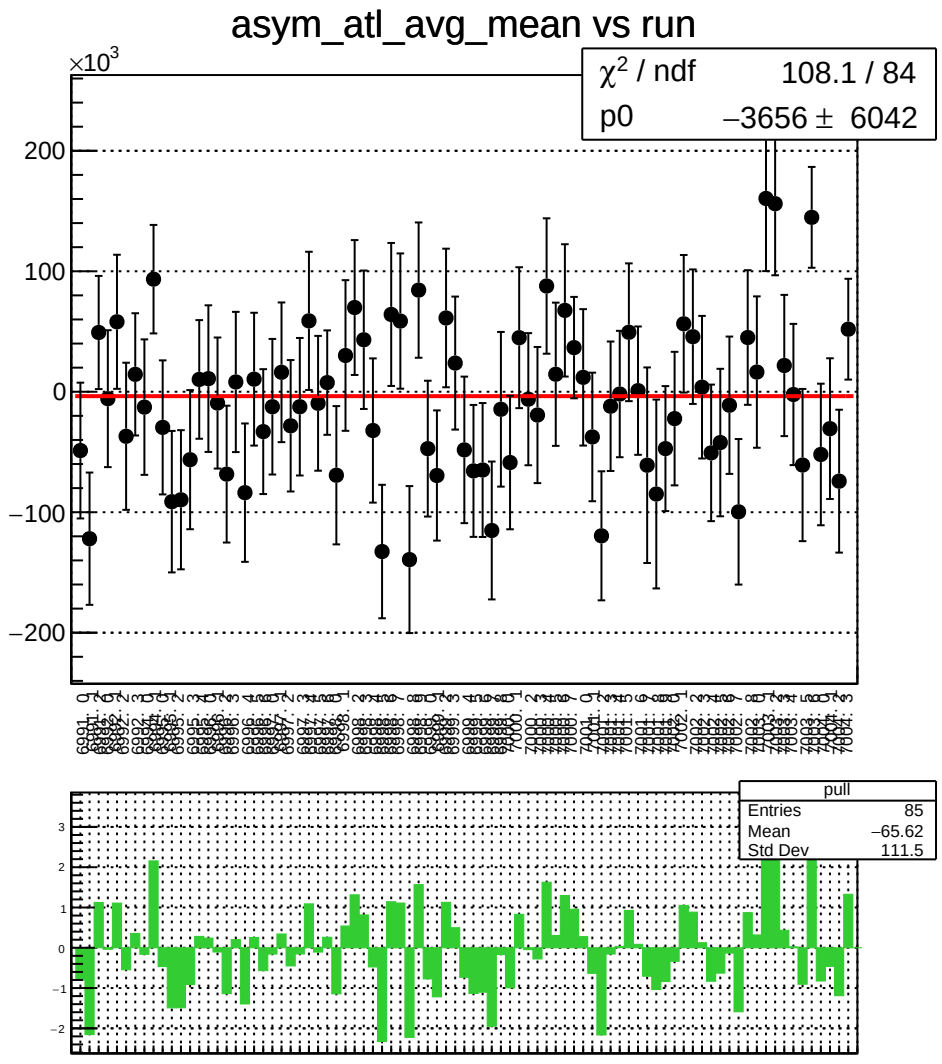

pull1D
Entries 85
Mean −0.02747
Std Dev 0.9563
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

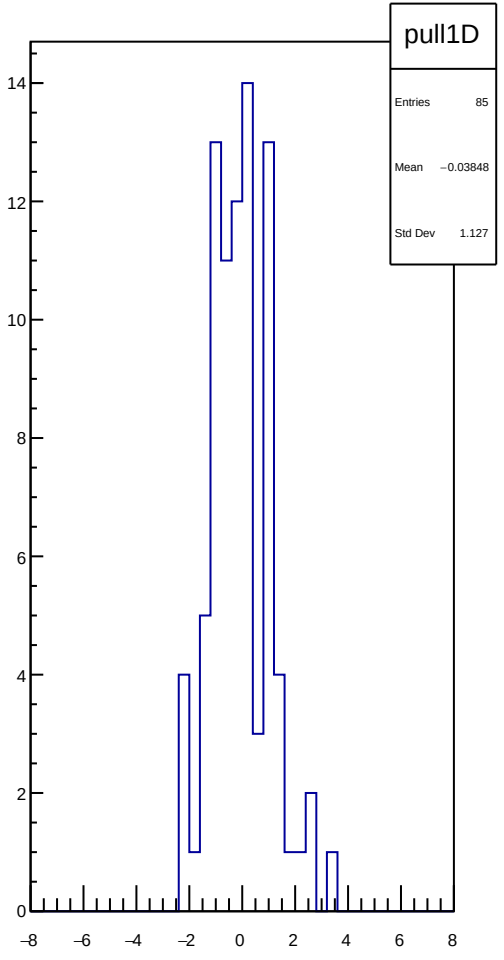

dit_asym_atl_avg_rms vs run
χ² / ndf 3.551e+04 / 84
p0 1915 ± 1.507
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

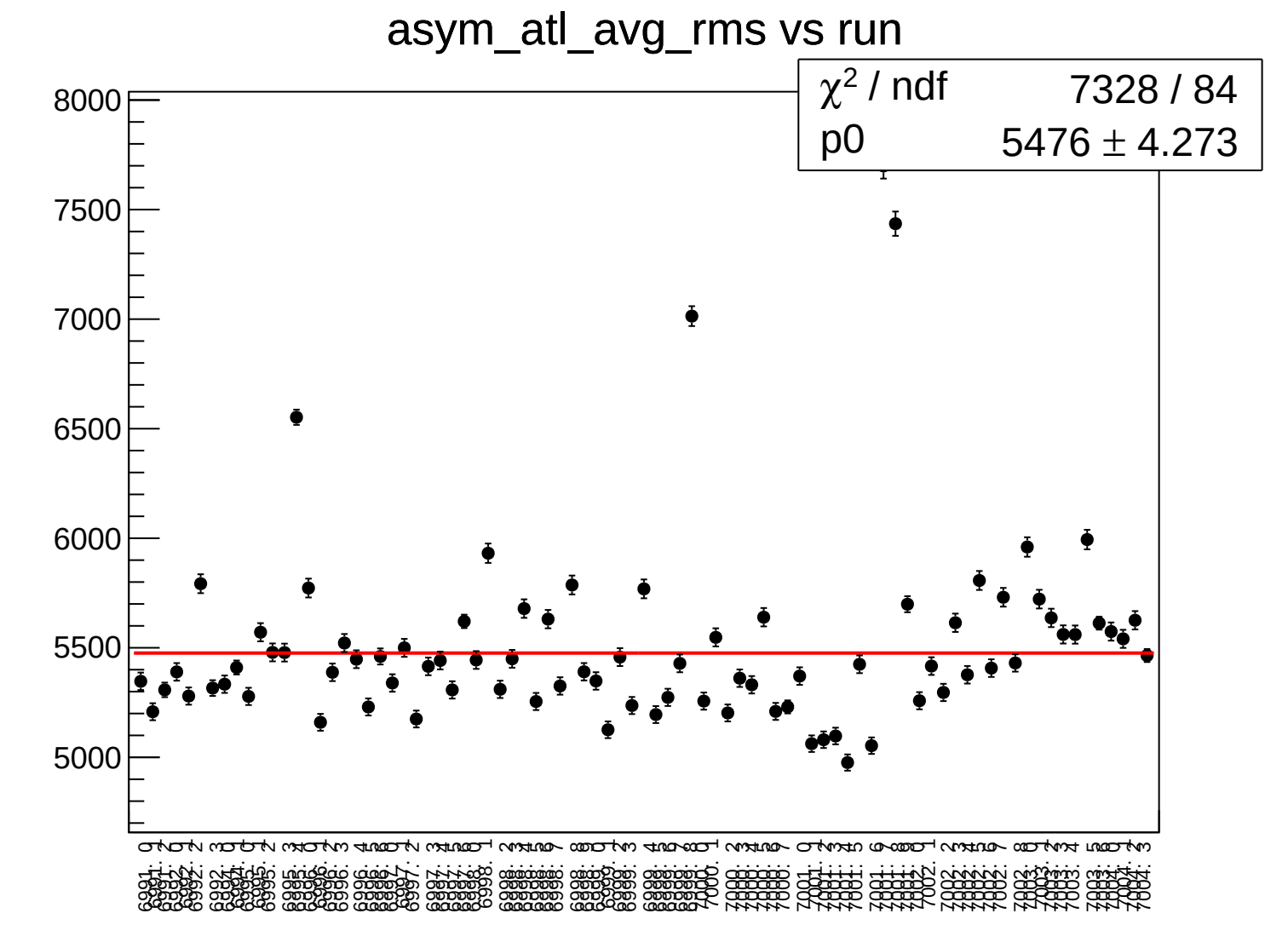

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 105.7 / 84
p0 −3813 ± 5641
pull
Entries 85
Mean −105.9
Std Dev 149.8

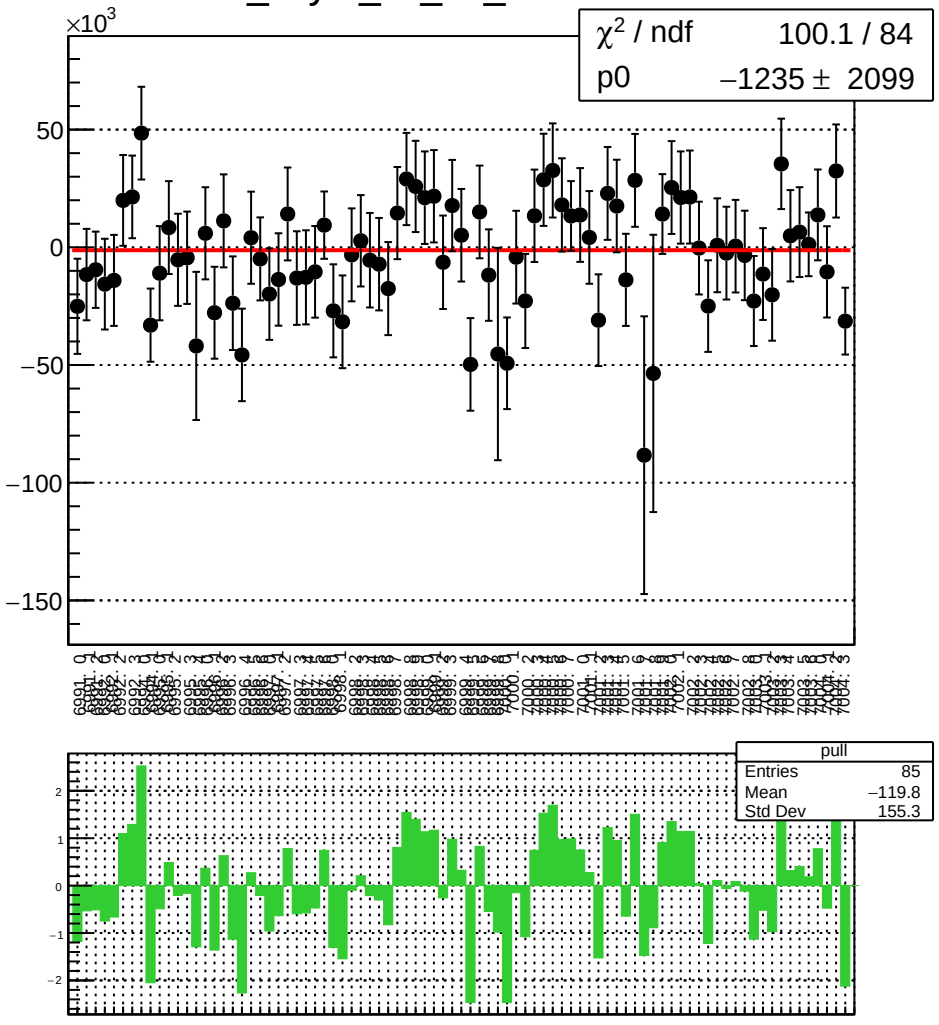

pull1D
Entries 85
Mean 0.03184
Std Dev 1.115

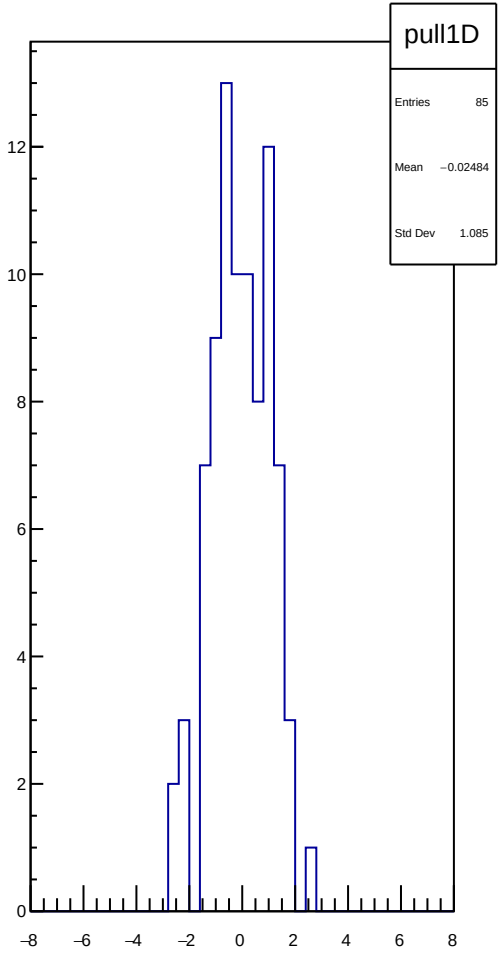

asym_atl_avg_correction_rms vs run
χ² / ndf 2768 / 84
p0 5119 ± 3.989
5800
5600
5400
5200
5000
4800
4600

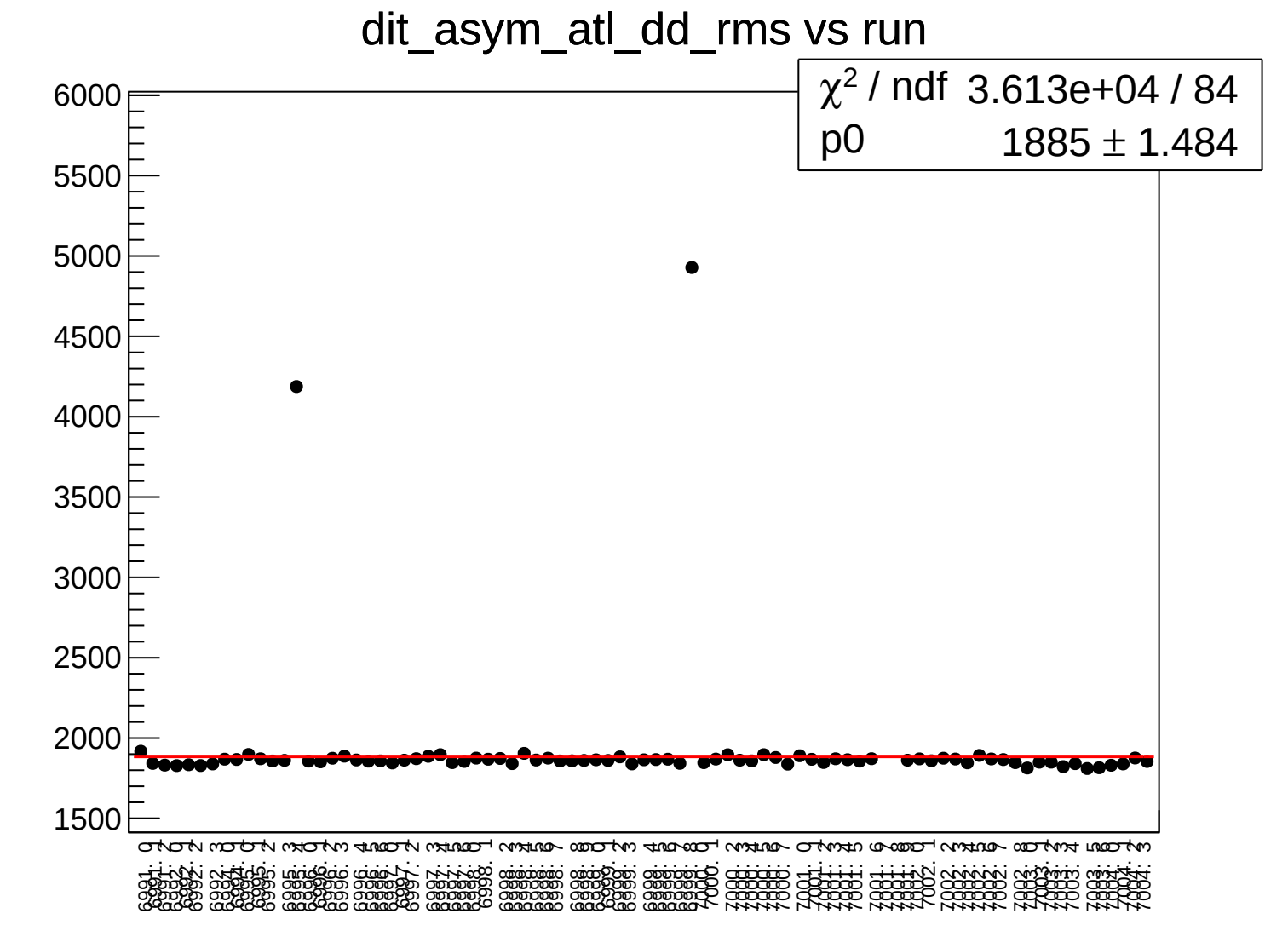

asym_atl_avg_mean vs run
×10^3
χ² / ndf 108.1 / 84
p0 −3656 ± 6042
200
100
0
−100
−200
pull
Entries 85
Mean −65.62
Std Dev 111.5
3
2
1
0
−1
−2

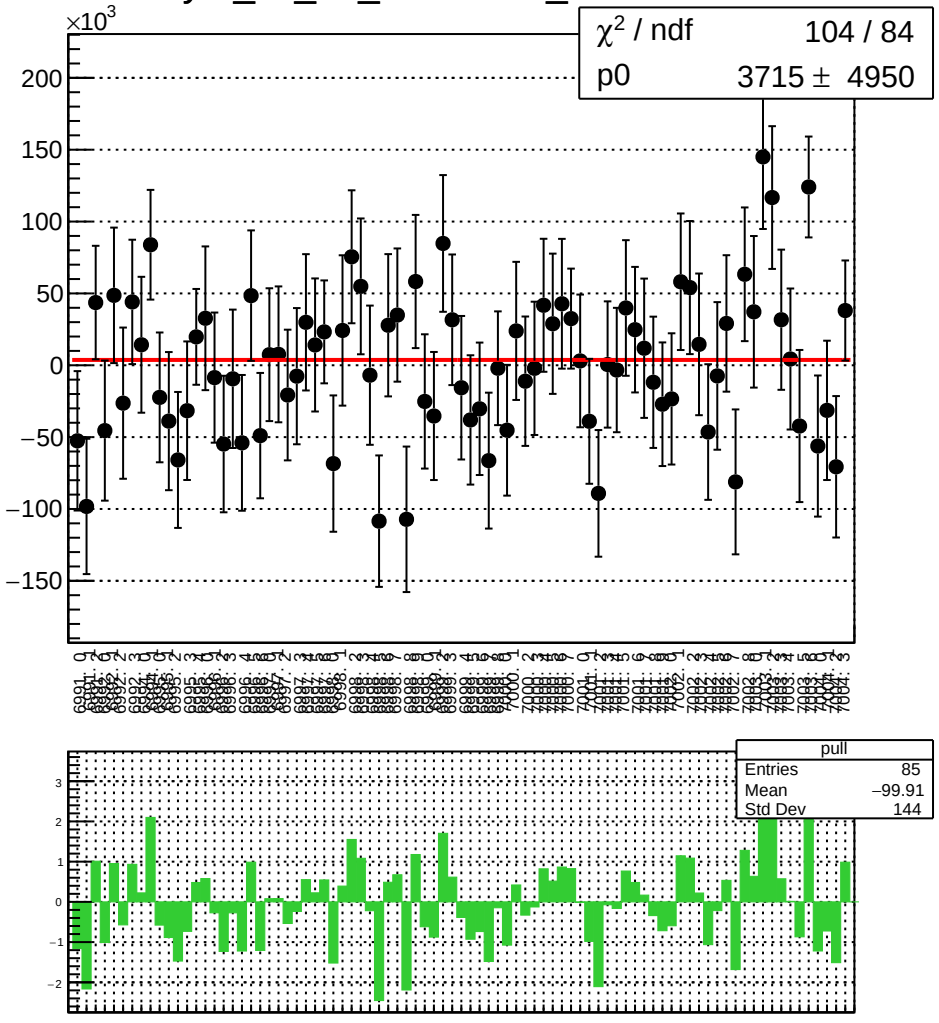

pull1D
Entries 85
Mean −0.03848
Std Dev 1.127
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

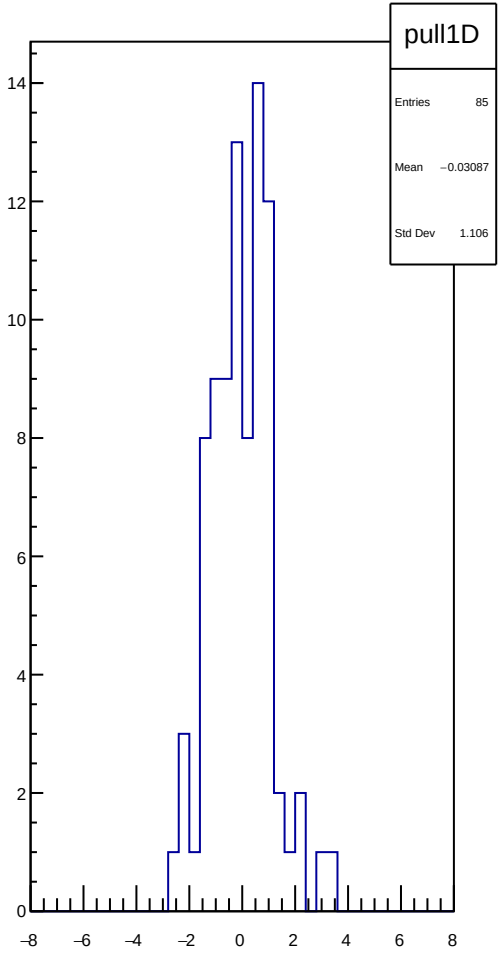

asym_atl_avg_rms vs run
χ^2 / ndf 7328 / 84
p0 5476 ± 4.273
8000
7500
7000
6500
6000
5500
5000

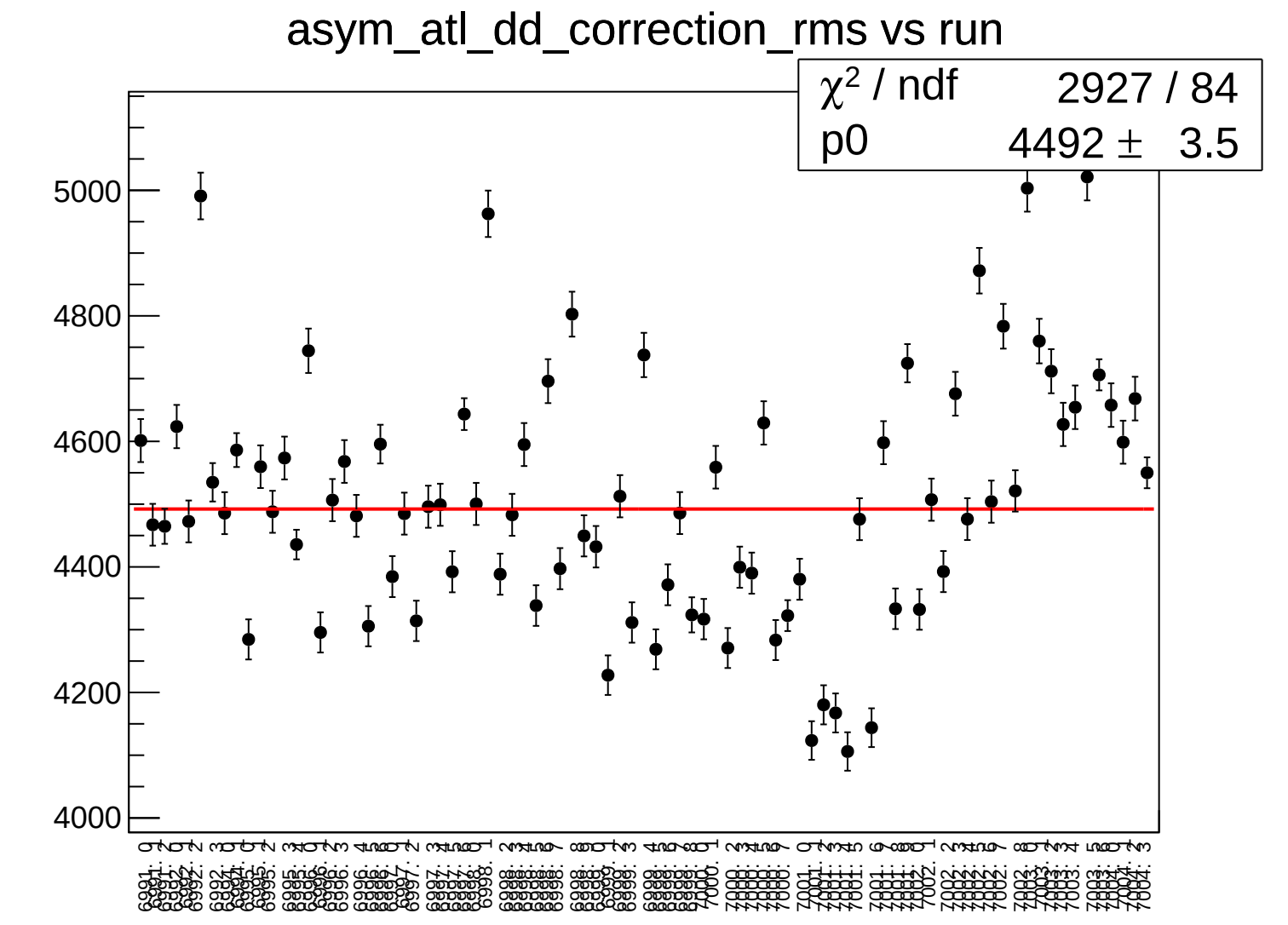

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 100.1 / 84
p0 −1235 ± 2099
50
0
−50
−100
−150
pull
Entries 85
Mean −119.8
Std Dev 155.3
2
1
0
−1
−2

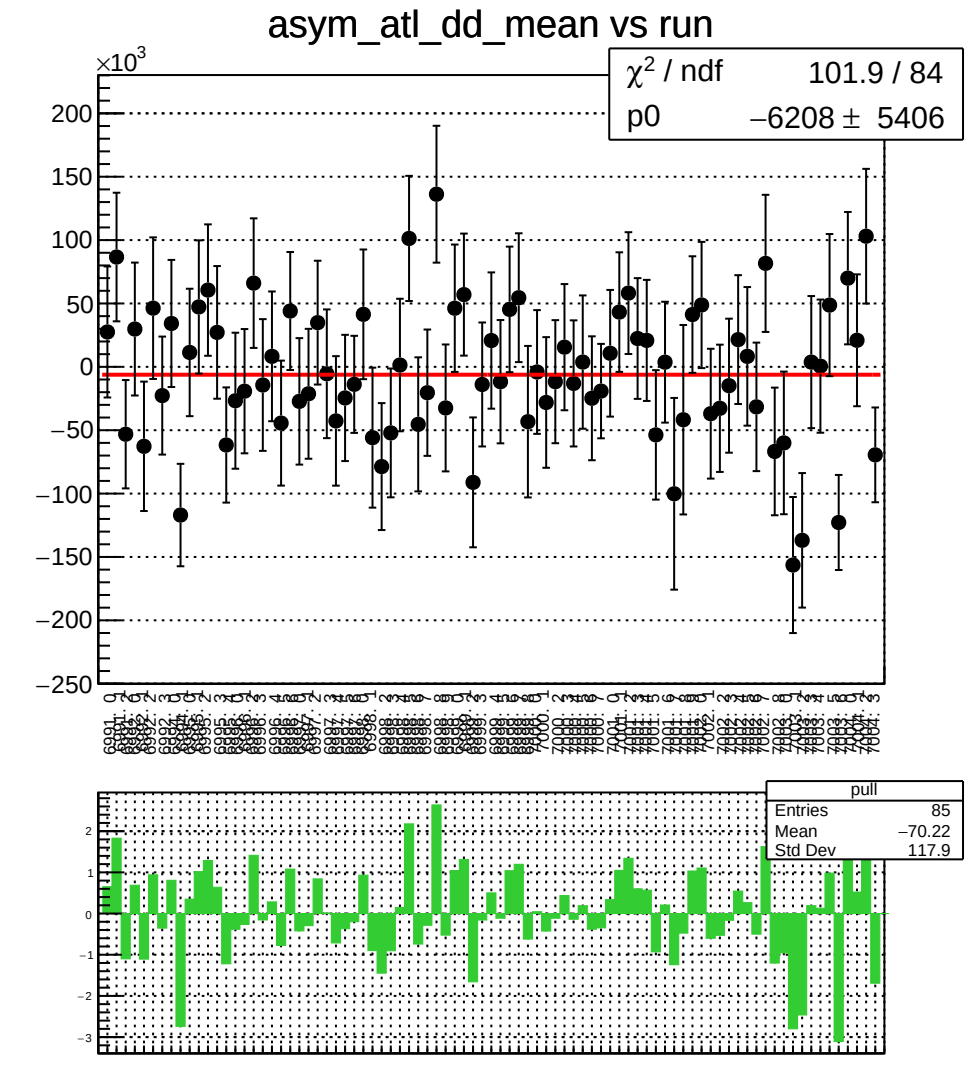

pull1D
Entries 85
Mean −0.02484
Std Dev 1.085
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

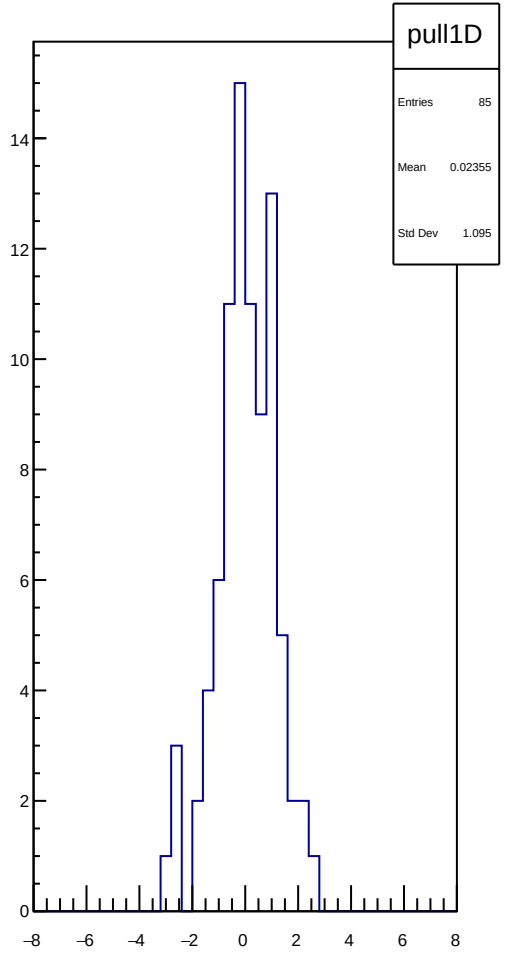

dit_asym_atl_dd_rms vs run
χ² / ndf 3.613e+04 / 84
p0 1885 ± 1.484
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

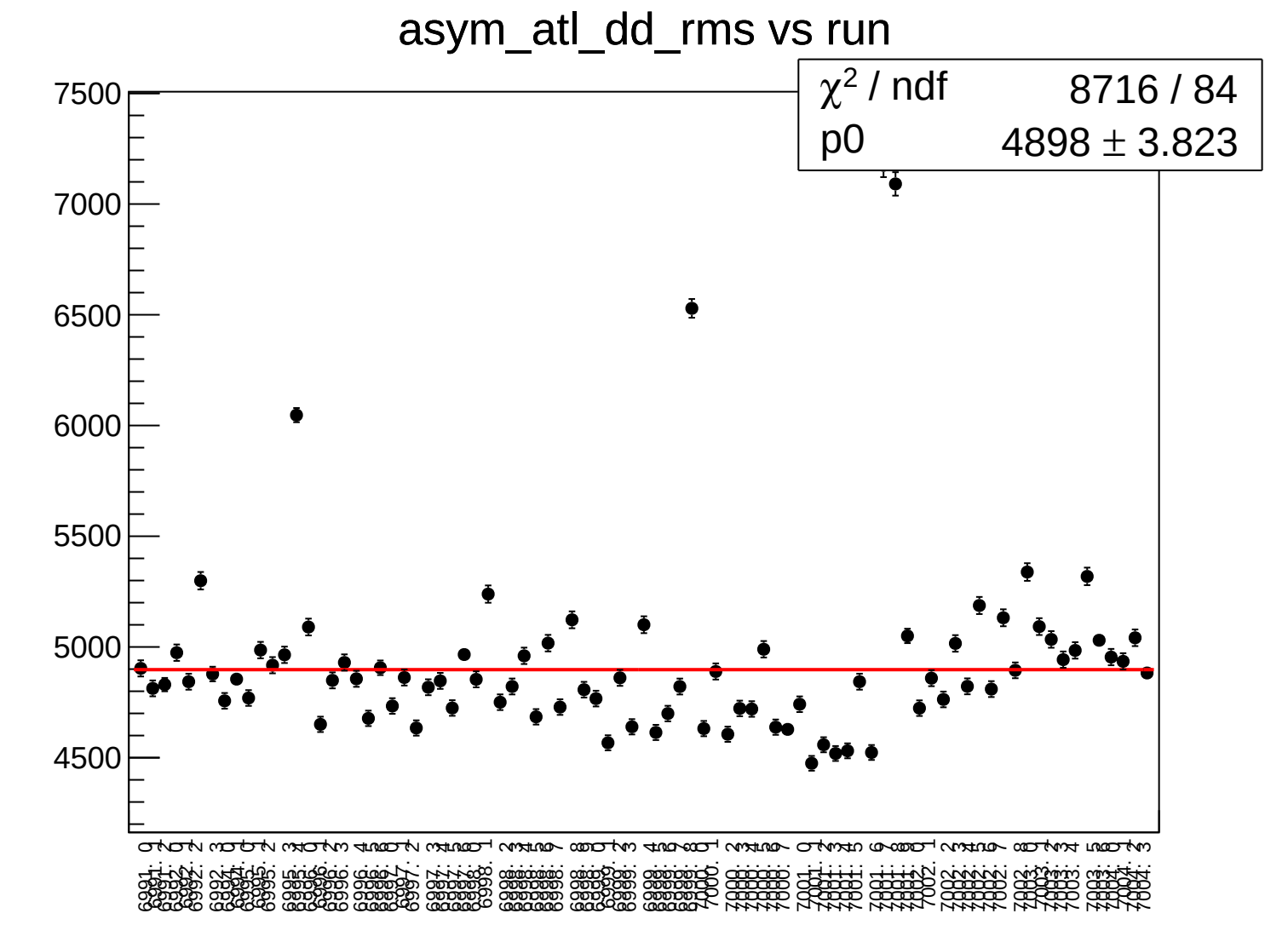

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 104 / 84
p0 3715 ± 4950
200
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −99.91
Std Dev 144
3
2
1
0
−1
−2

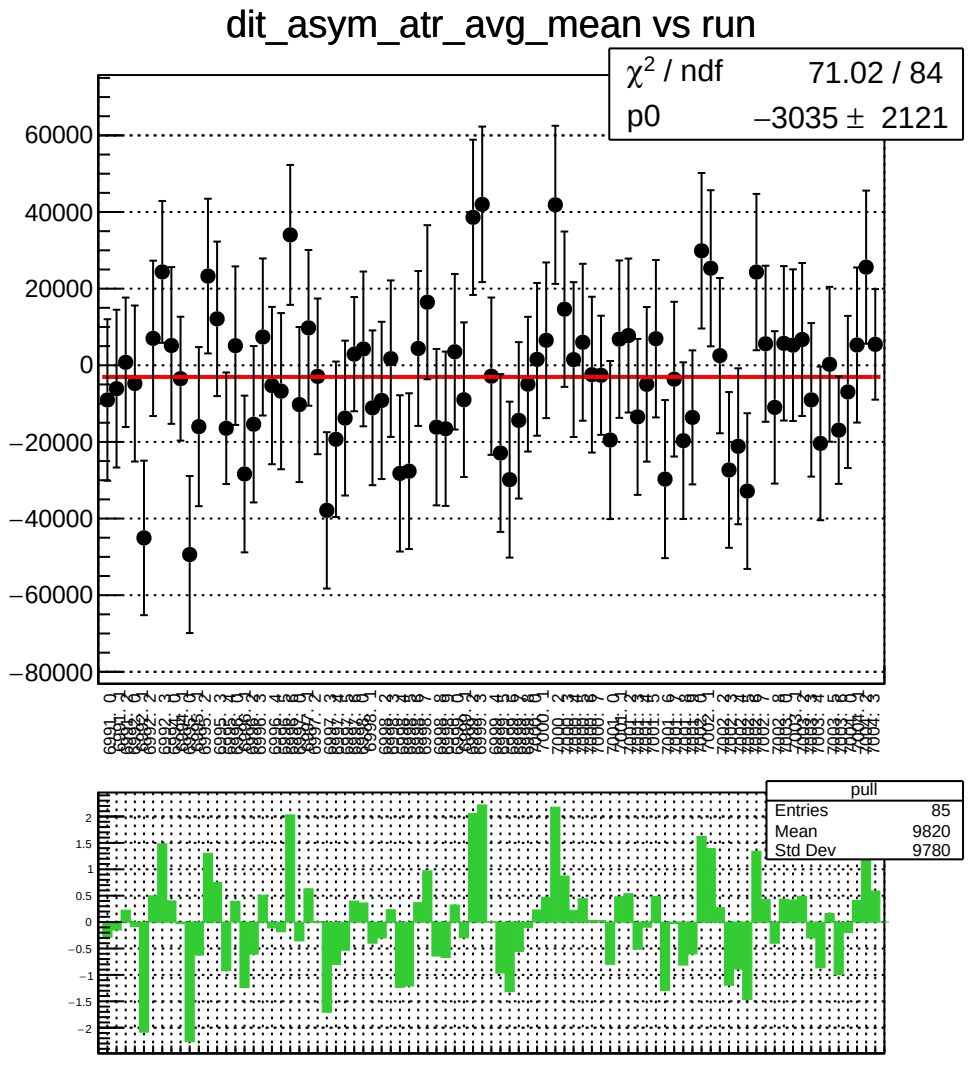

pull1D
Entries 85
Mean −0.03087
Std Dev 1.106
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

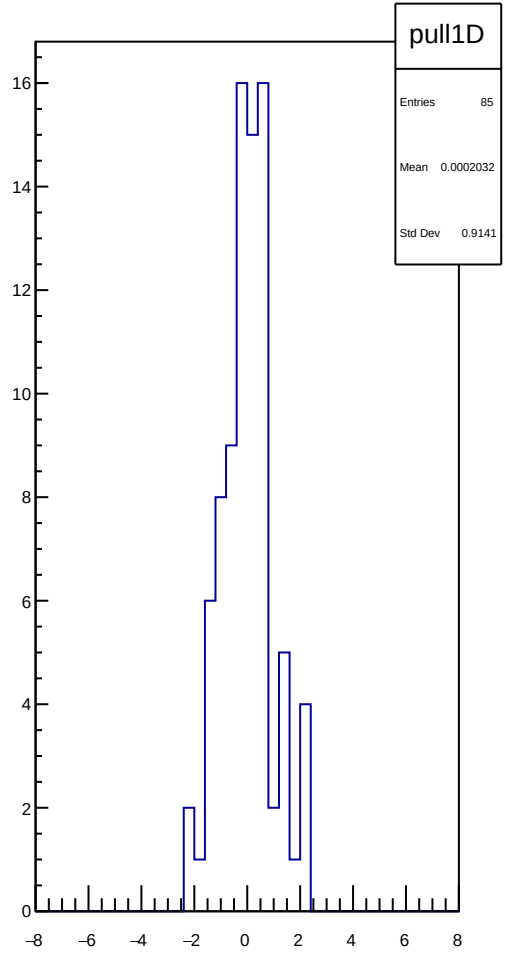

asym_atl_dd_correction_rms vs run
χ² / ndf 2927 / 84
p0 4492 ± 3.5
5000
4800
4600
4400
4200
4000

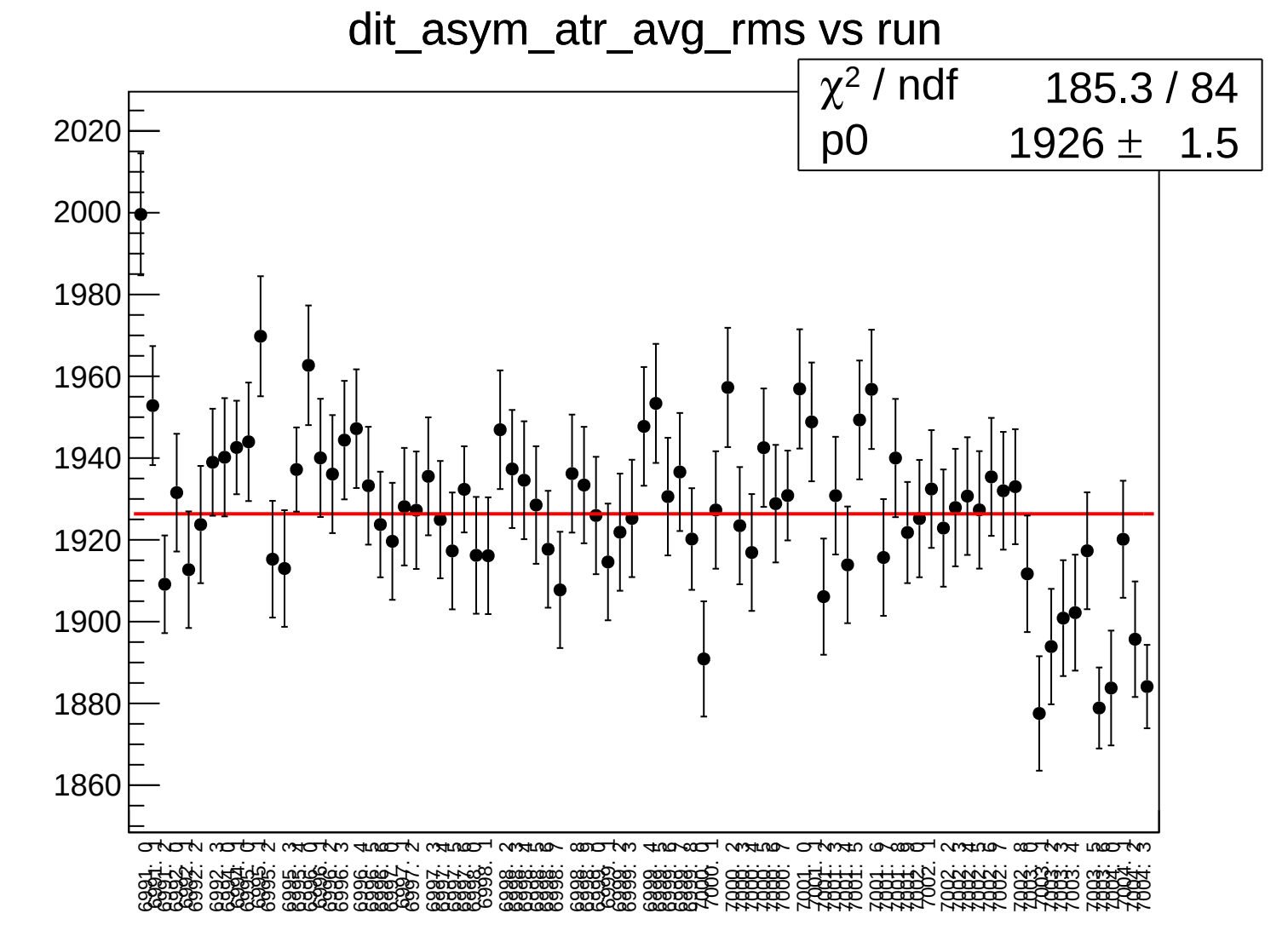

asym_atl_dd_mean vs run
×10^3
χ² / ndf 101.9 / 84
p0 −6208 ± 5406
pull
Entries 85
Mean −70.22
Std Dev 117.9

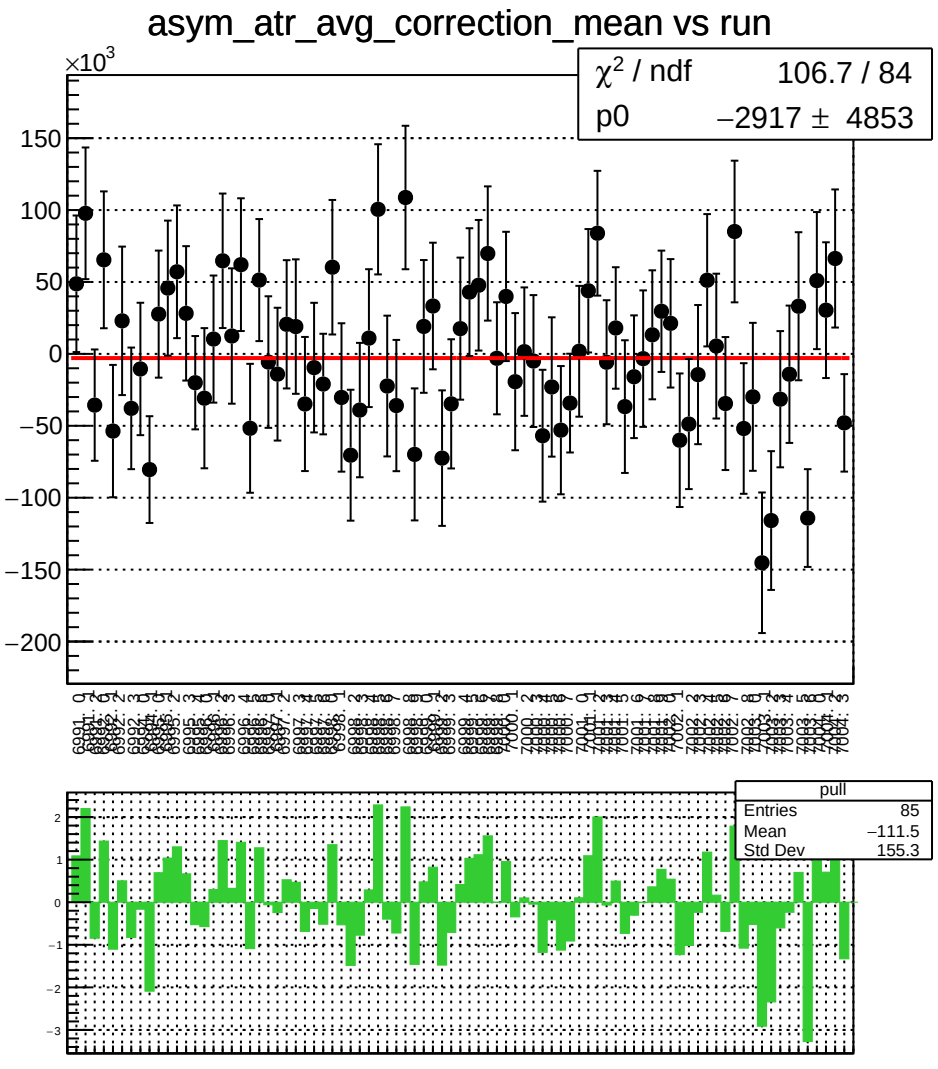

pull1D
Entries 85
Mean 0.02355
Std Dev 1.095

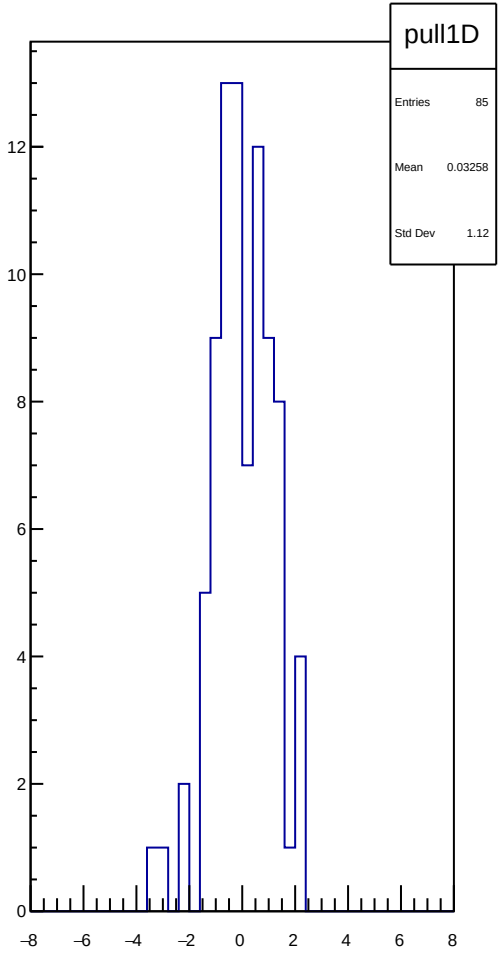

asym_atl_dd_rms vs run
χ^2 / ndf 8716 / 84
p0 4898 ± 3.823
7500
7000
6500
6000
5500
5000
4500

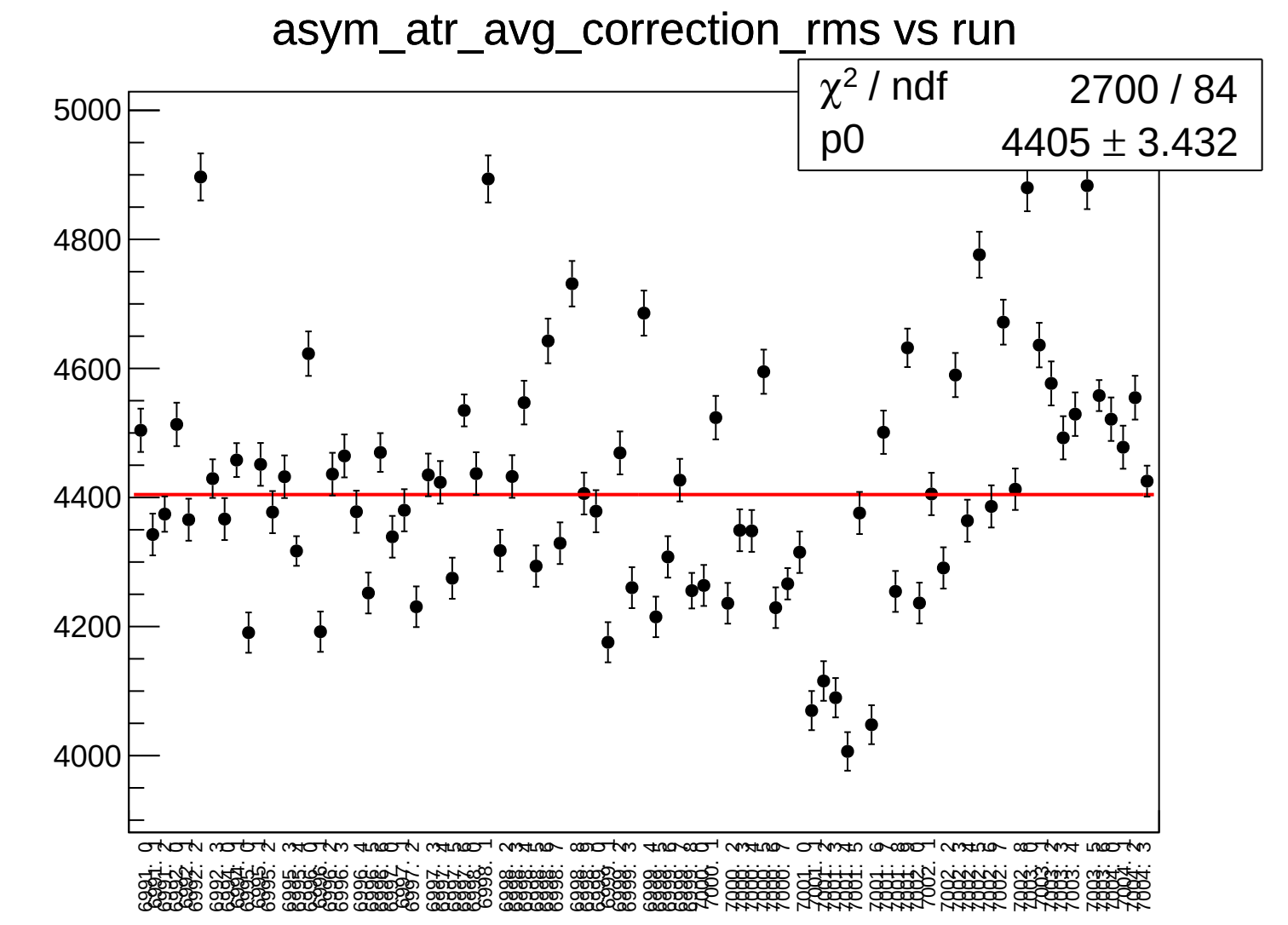

dit_asym_atr_avg_mean vs run
χ² / ndf 71.02 / 84
p0 −3035 ± 2121
pull
Entries 85
Mean 9820
Std Dev 9780

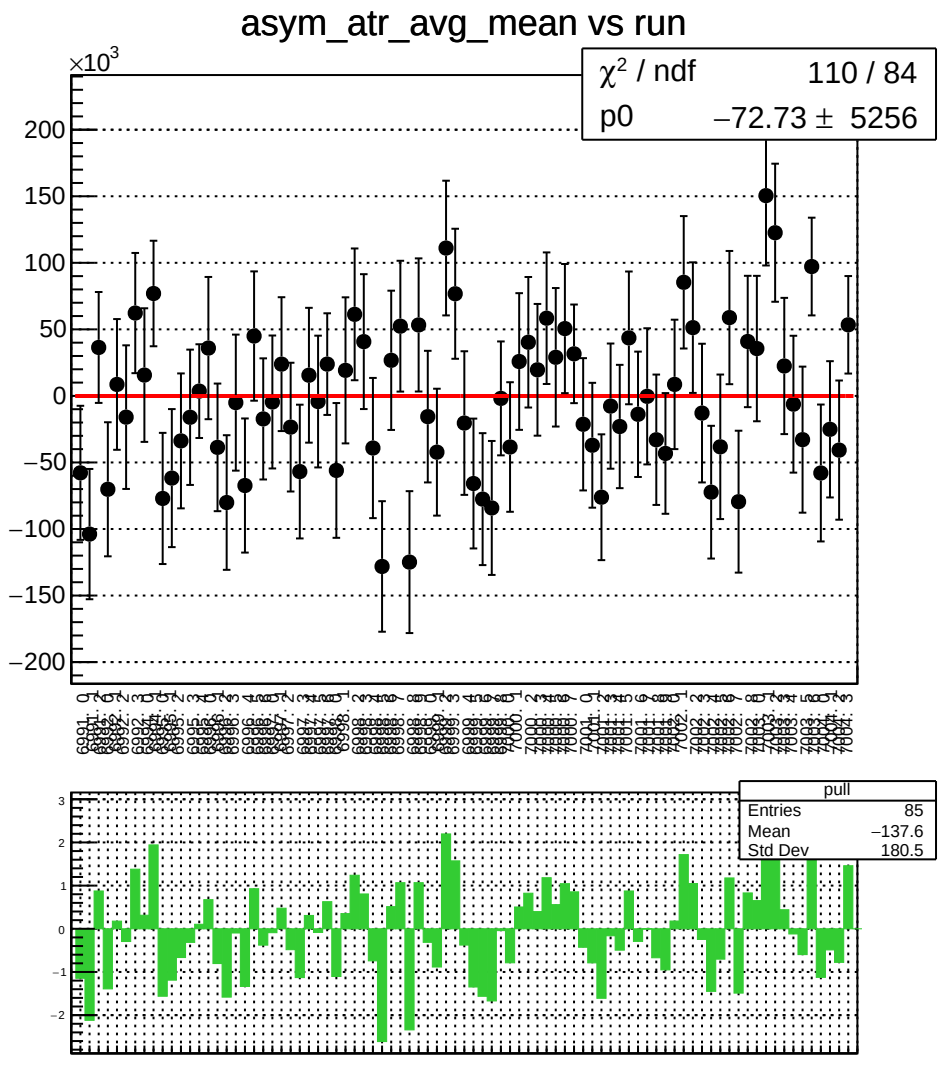

pull1D
Entries 85
Mean 0.0002032
Std Dev 0.9141

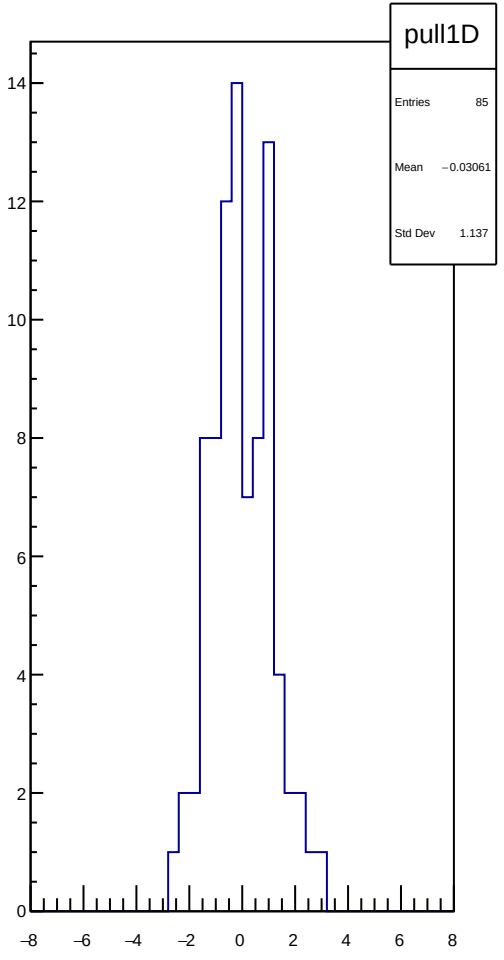

dit_asym_atr_avg_rms vs run
χ² / ndf 185.3 / 84
p0 1926 ± 1.5
2020
2000
1980
1960
1940
1920
1900
1880
1860

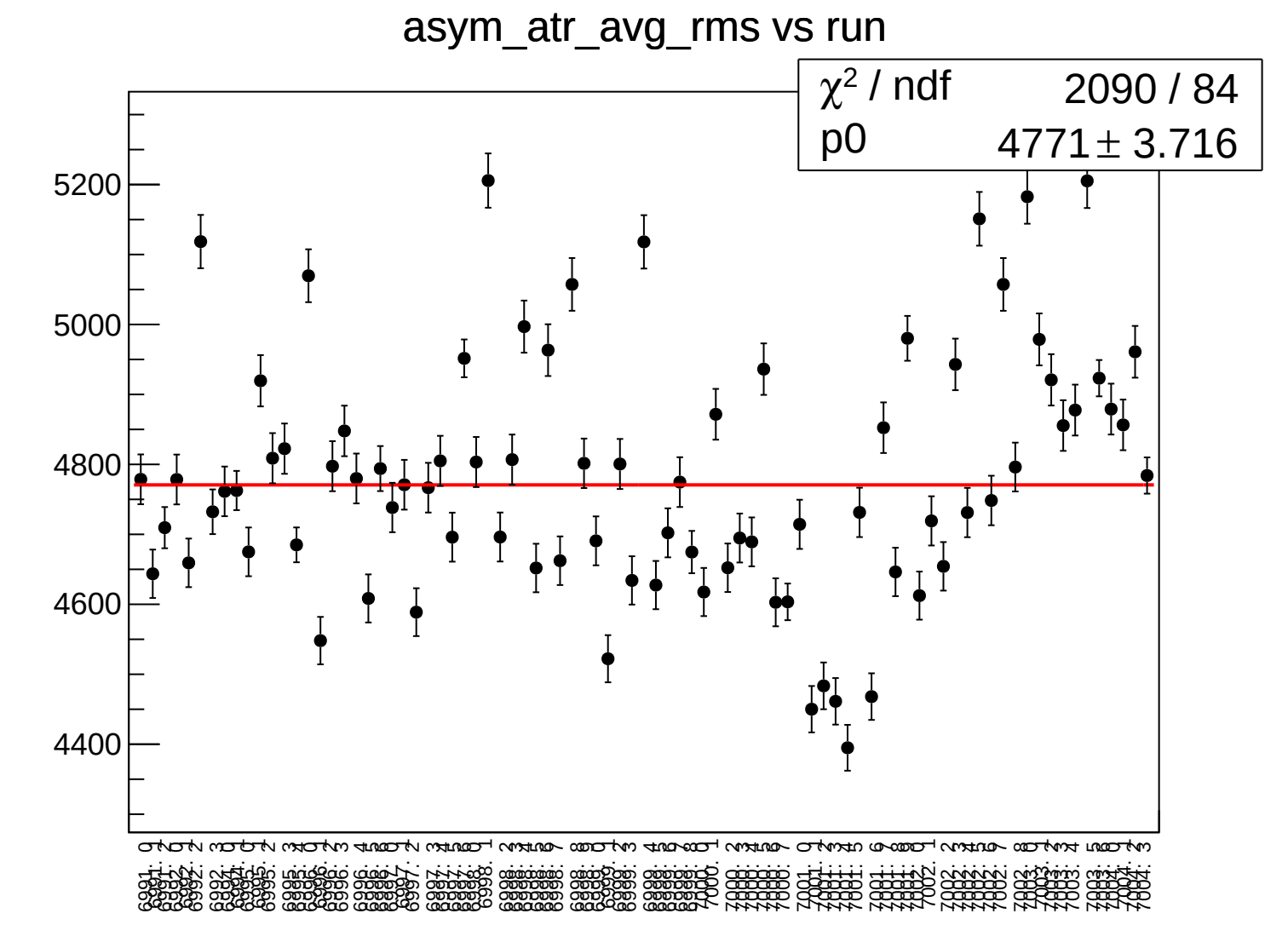

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 106.7 / 84
p0 −2917 ± 4853
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −111.5
Std Dev 155.3
2
1
0
−1
−2
−3

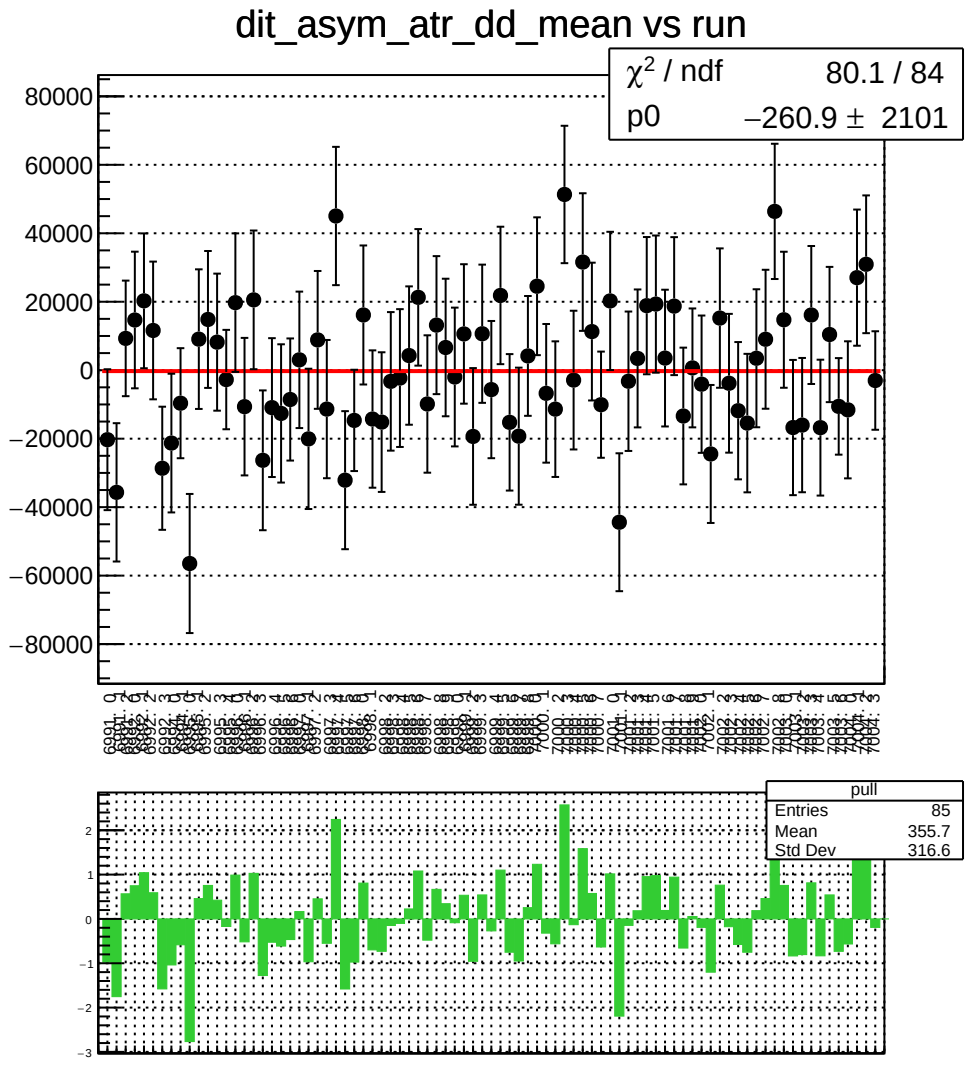

pull1D
Entries 85
Mean 0.03258
Std Dev 1.12
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

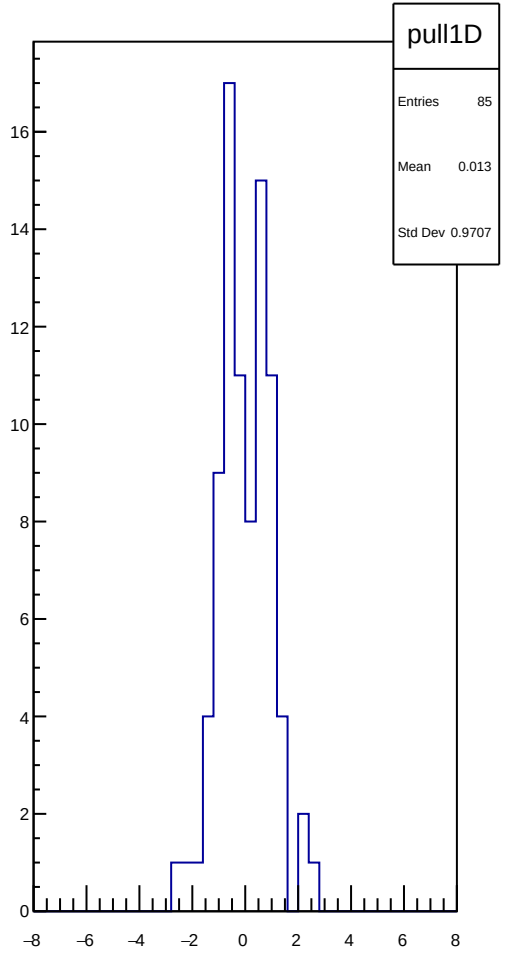

asym_atr_avg_correction_rms vs run
χ² / ndf 2700 / 84
p0 4405 ± 3.432
5000
4800
4600
4400
4200
4000

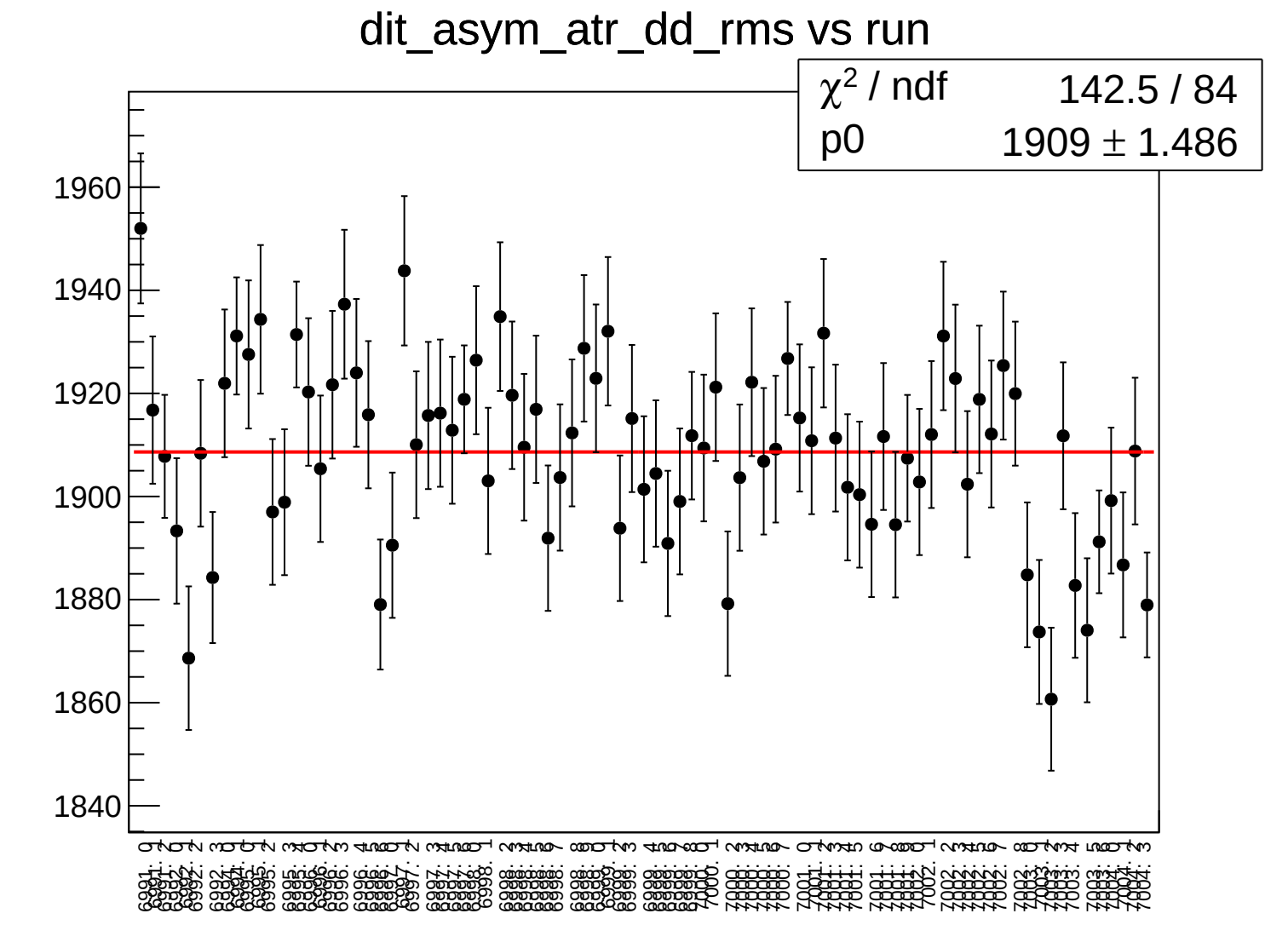

asym_atr_avg_mean vs run
×10^3
χ² / ndf 110 / 84
p0 −72.73 ± 5256
pull
Entries 85
Mean −137.6
Std Dev 180.5

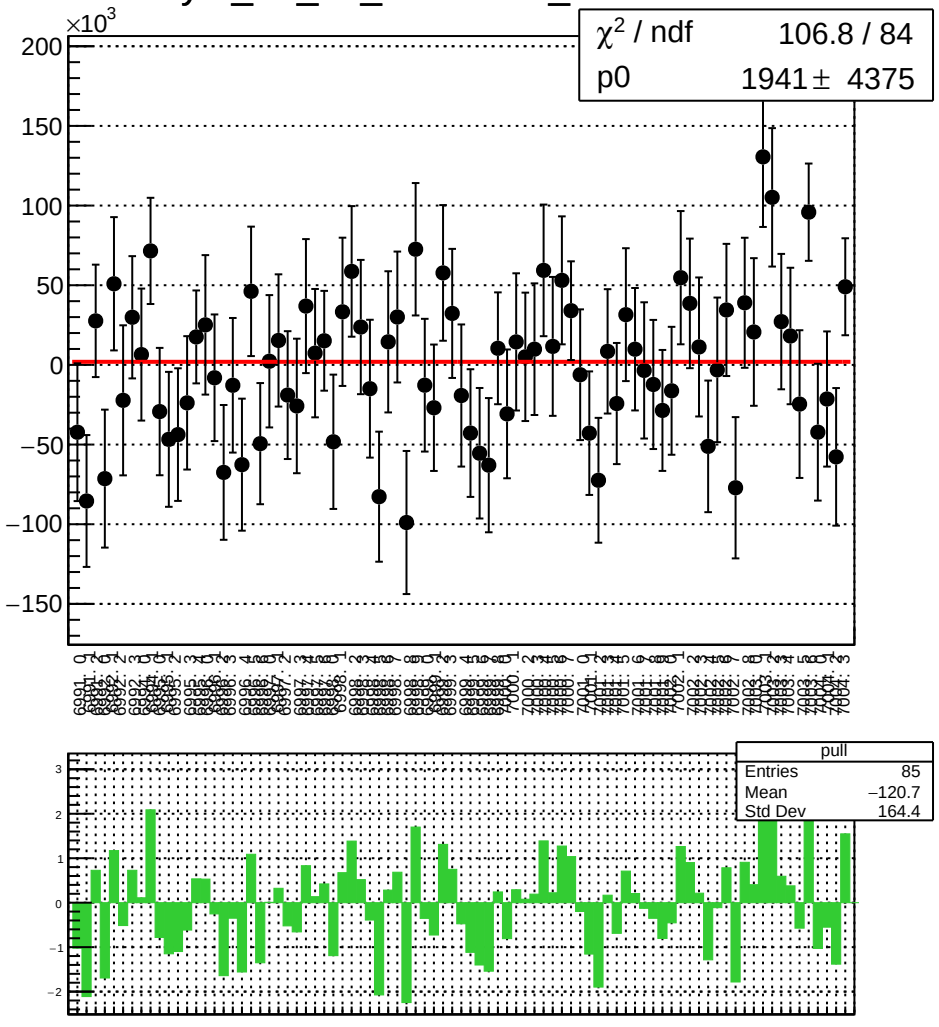

pull1D
Entries 85
Mean −0.03061
Std Dev 1.137

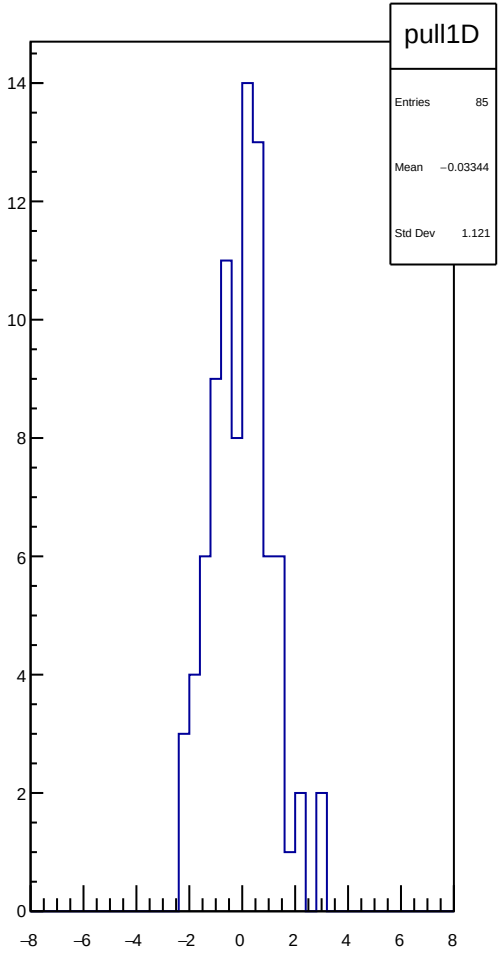

asym_atr_avg_rms vs run
χ^2 / ndf 2090 / 84
p0 4771 ± 3.716
5200
5000
4800
4600
4400

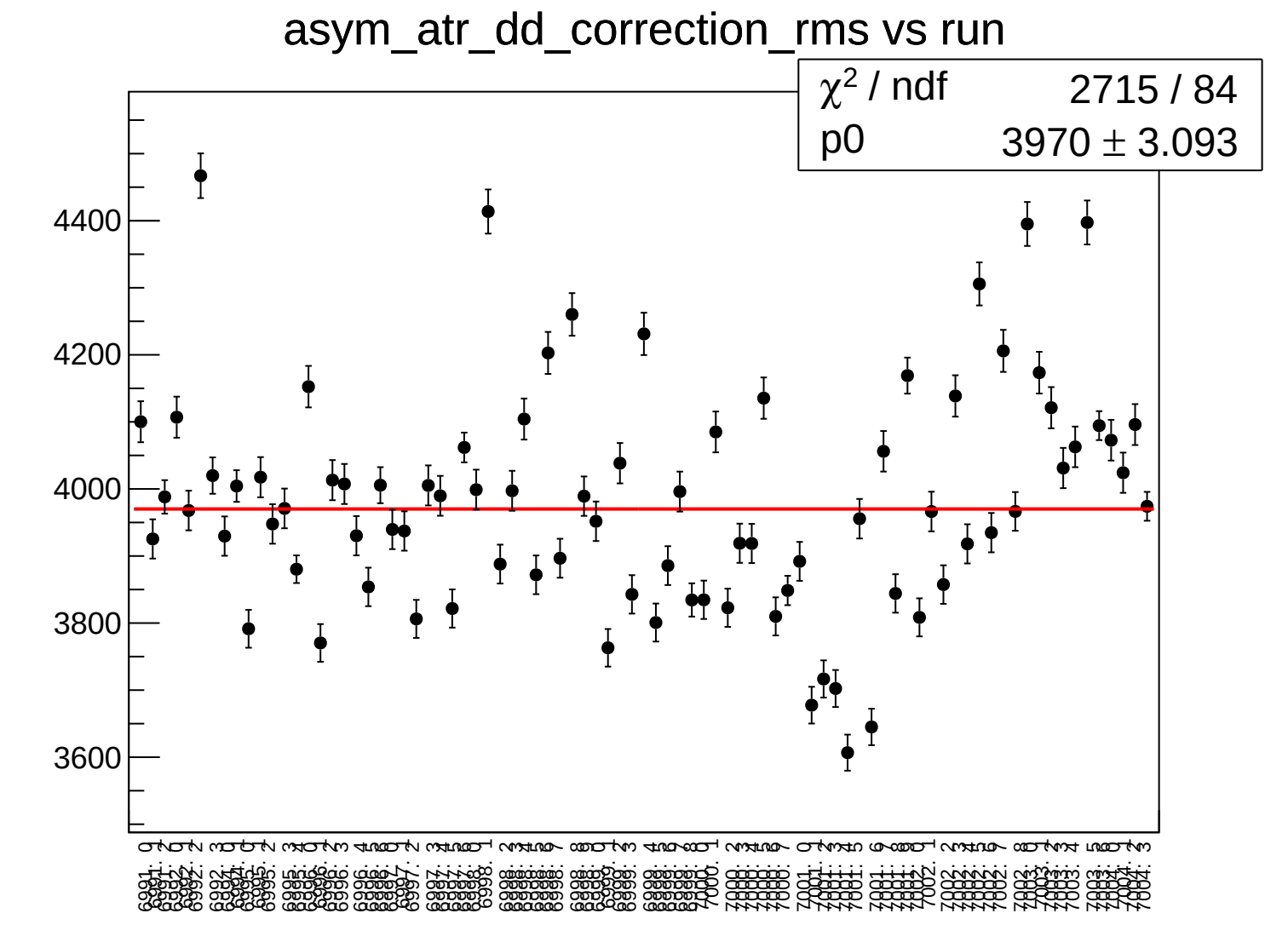

dit_asym_atr_dd_mean vs run
χ² / ndf 80.1 / 84
p0 −260.9 ± 2101
pull
Entries 85
Mean 355.7
Std Dev 316.6

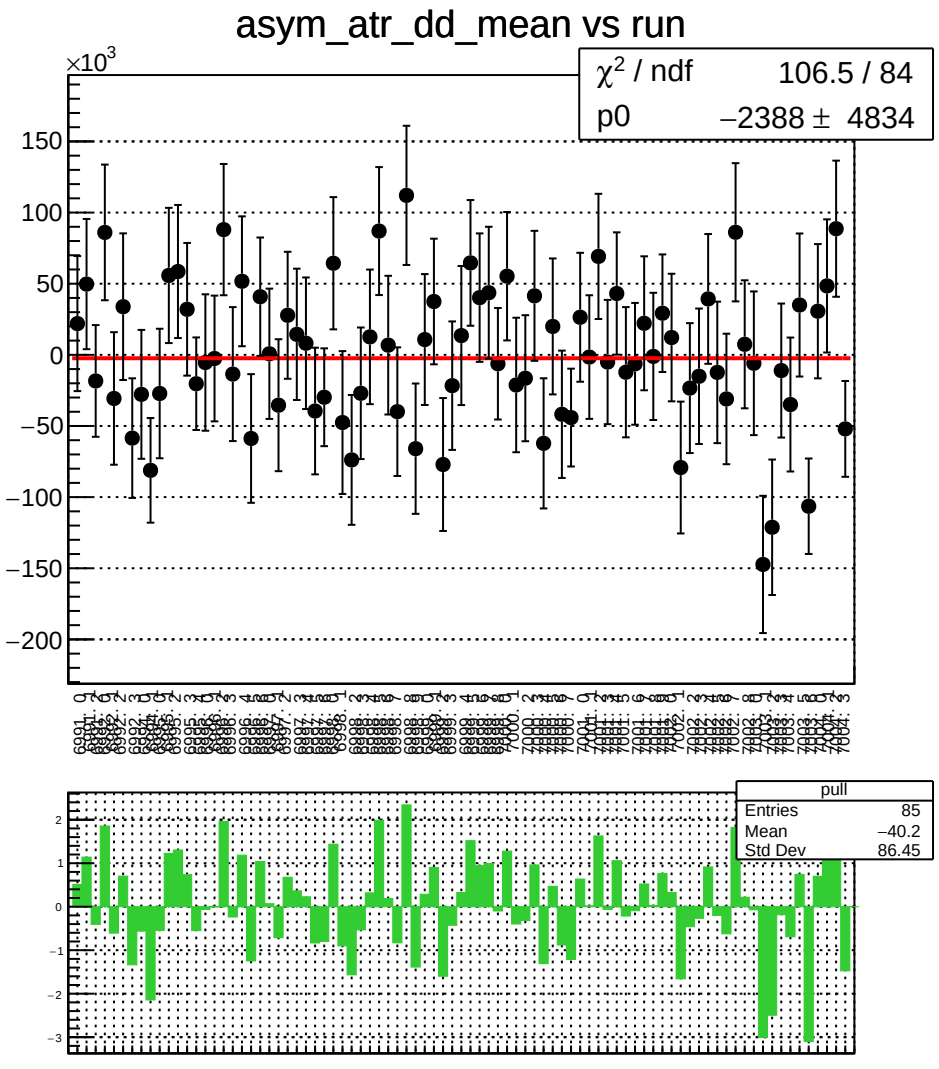

pull1D
Entries 85
Mean 0.013
Std Dev 0.9707

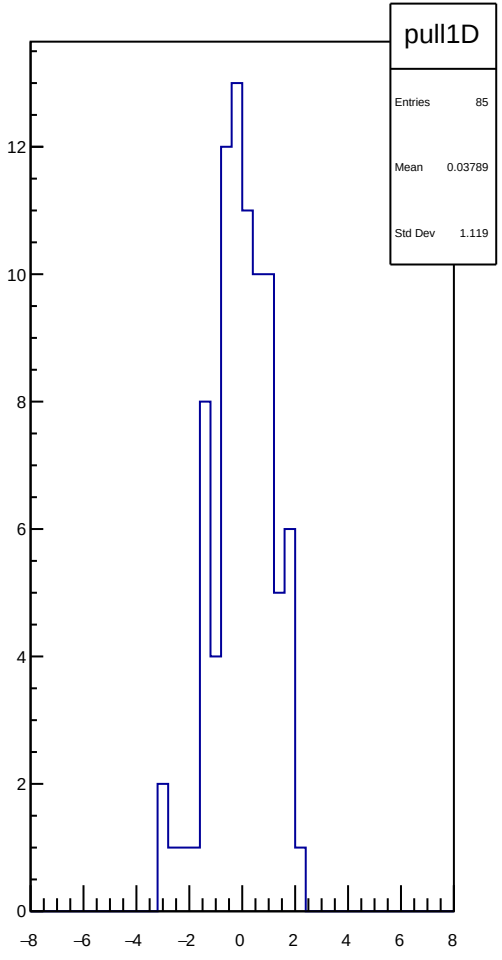

dit_asym_atr_dd_rms vs run
χ^2 / ndf 142.5 / 84
p0 1909 ± 1.486
1960
1940
1920
1900
1880
1860
1840

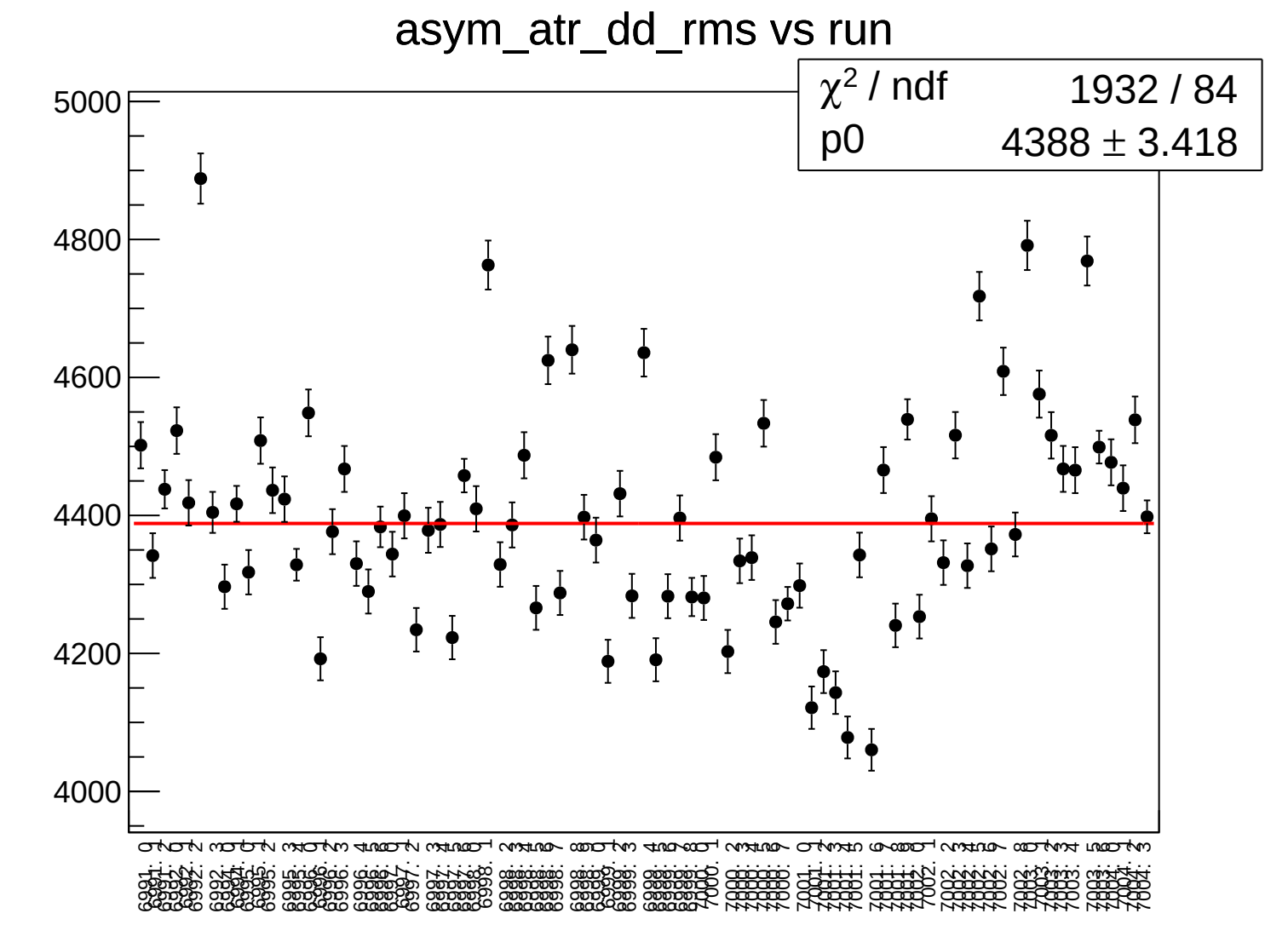

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 106.8 / 84
p0 1941 ± 4375
pull
Entries 85
Mean −120.7
Std Dev 164.4

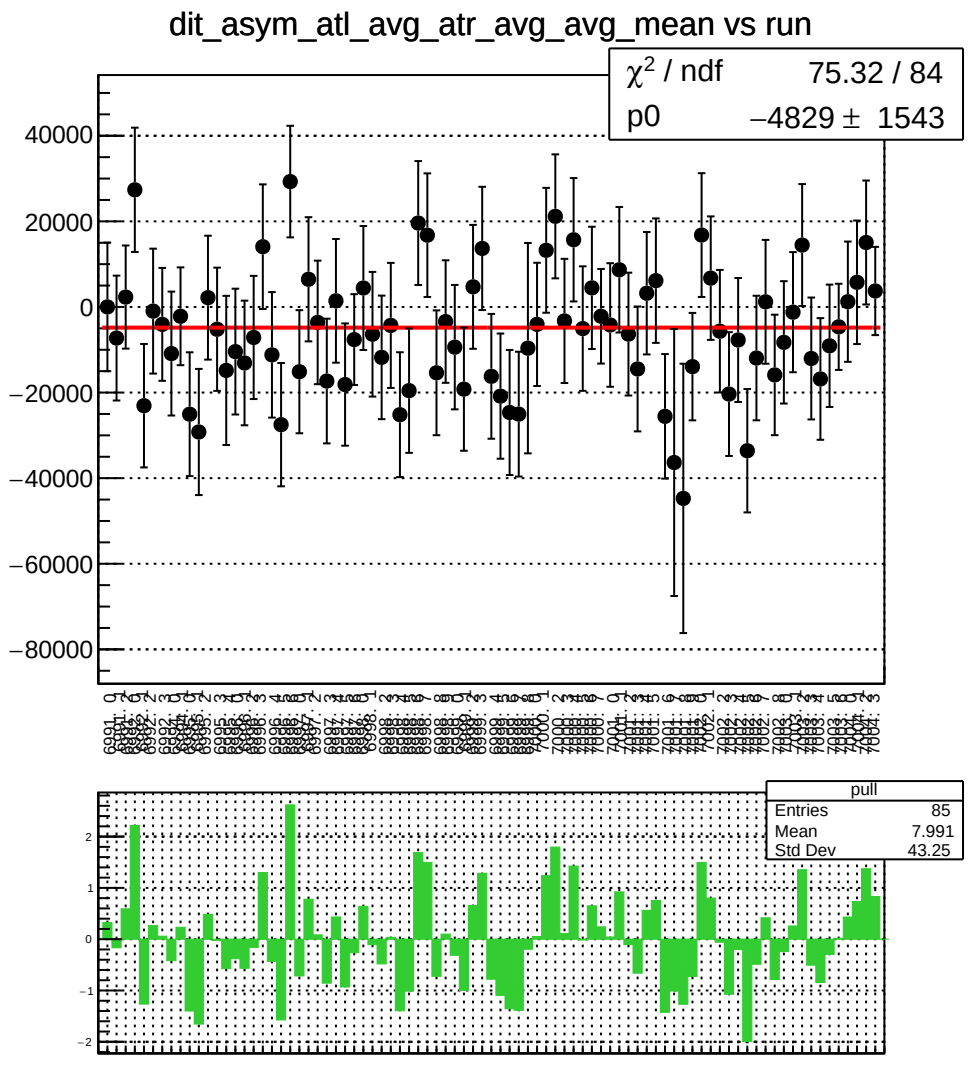

pull1D
Entries 85
Mean −0.03344
Std Dev 1.121

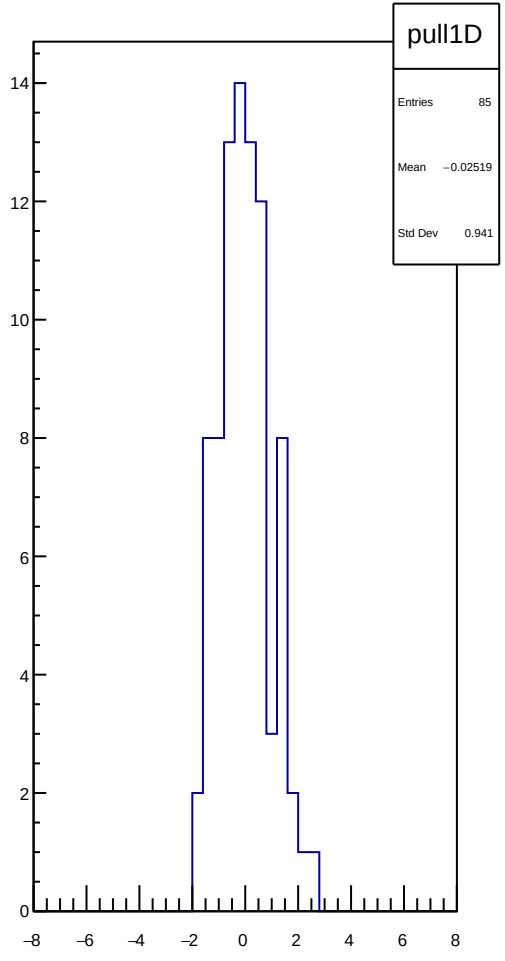

asym_atr_dd_correction_rms vs run
χ² / ndf 2715 / 84
p0 3970 ± 3.093
4400
4200
4000
3800
3600

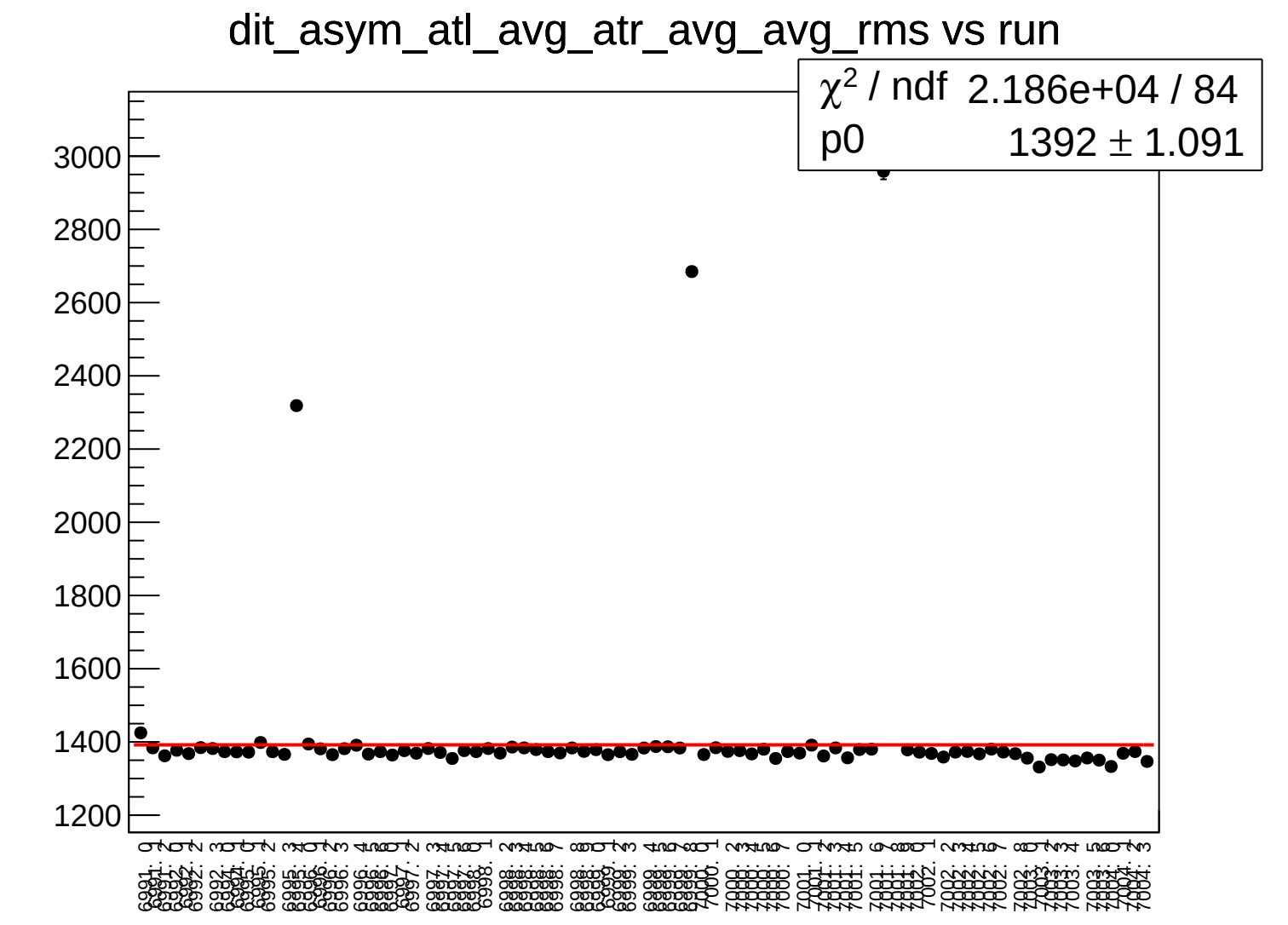

asym_atr_dd_mean vs run
×10^3
χ² / ndf 106.5 / 84
p0 −2388 ± 4834
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −40.2
Std Dev 86.45
2
1
0
−1
−2
−3

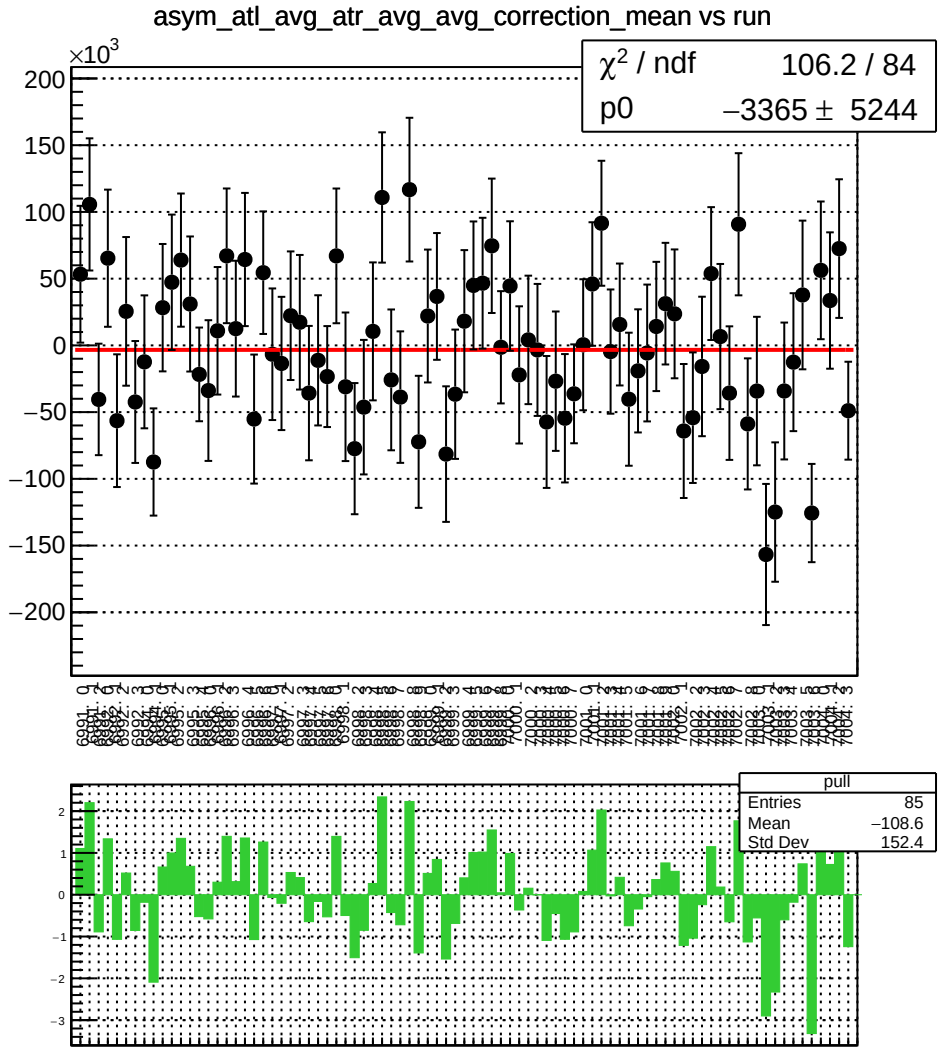

pull1D
Entries 85
Mean 0.03789
Std Dev 1.119
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

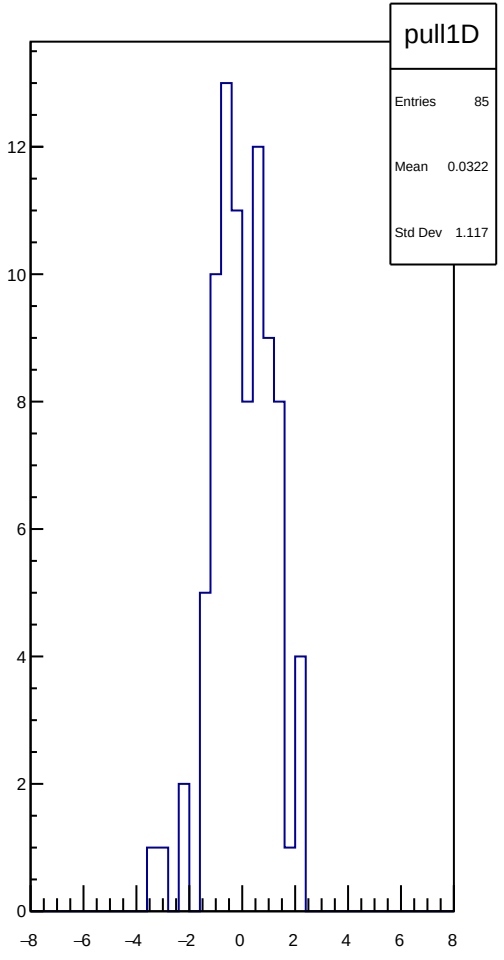

asym_atr_dd_rms vs run
χ² / ndf 1932 / 84
p0 4388 ± 3.418
5000
4800
4600
4400
4200
4000

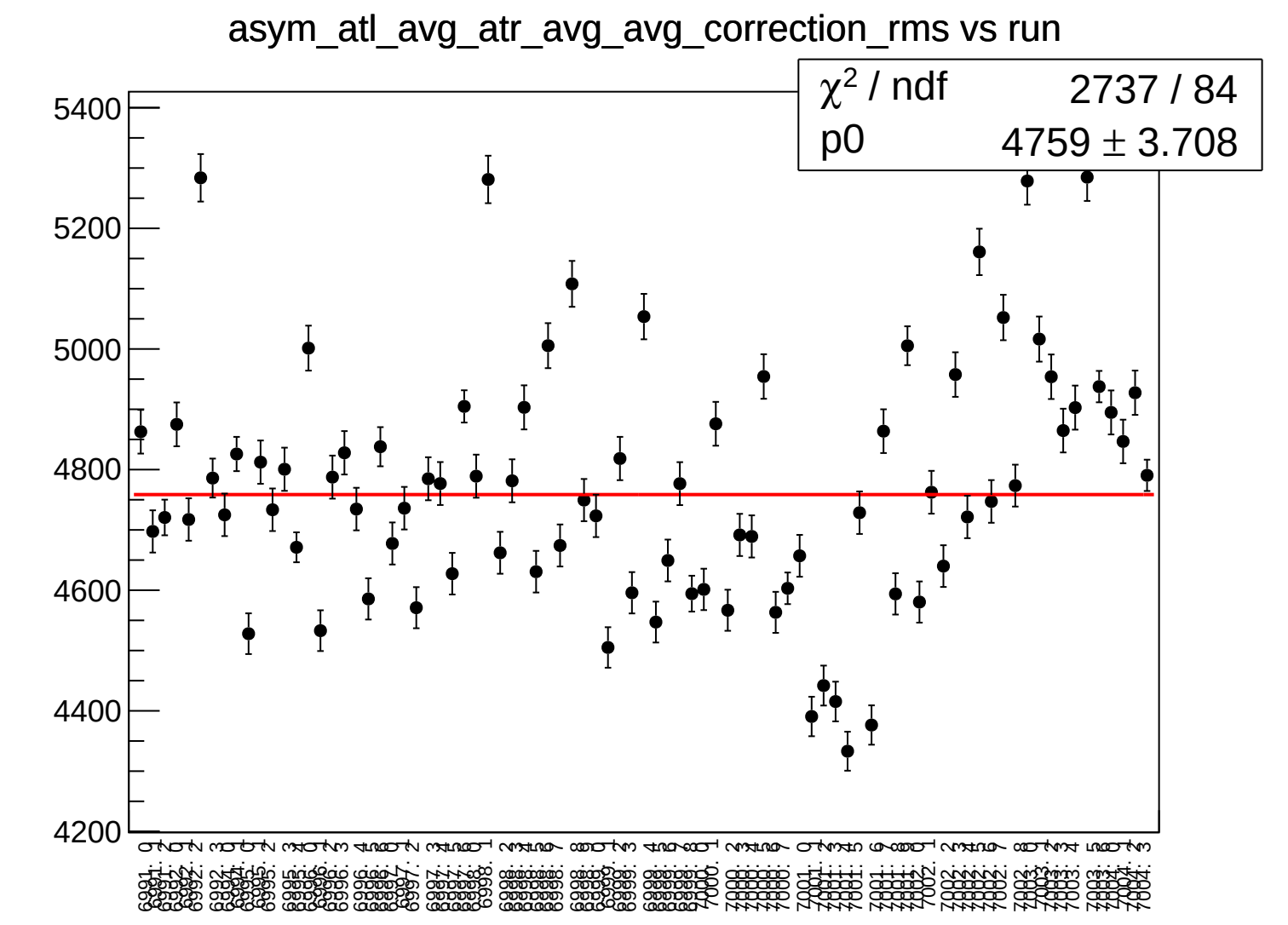

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 75.32 / 84
p0 −4829 ± 1543
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean 7.991
Std Dev 43.25
2
1
0
−1
−2

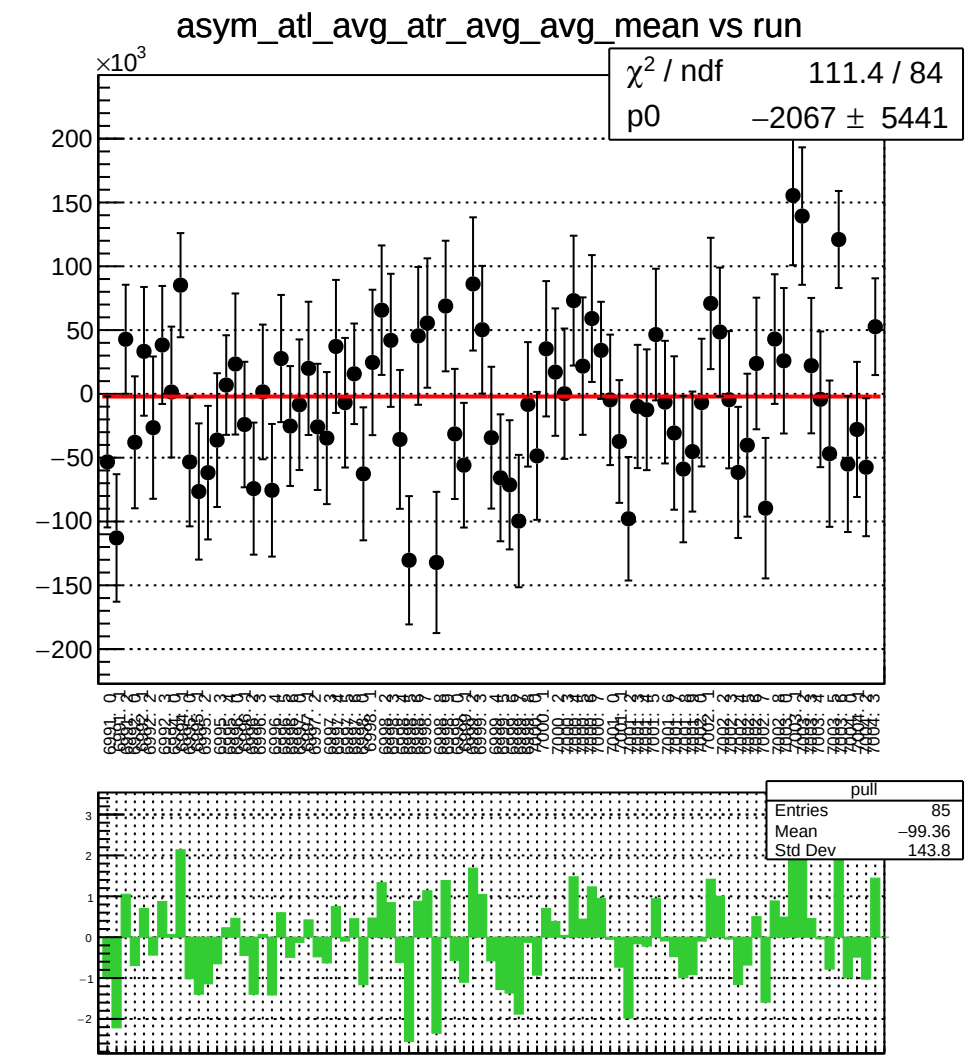

pull1D
Entries 85
Mean −0.02519
Std Dev 0.941
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

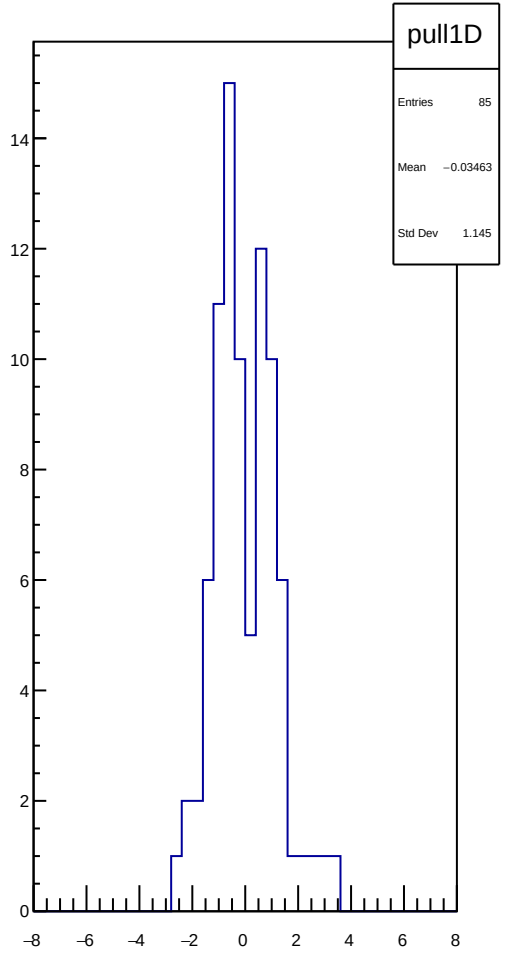

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.186e+04 / 84
p0 1392 ± 1.091
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

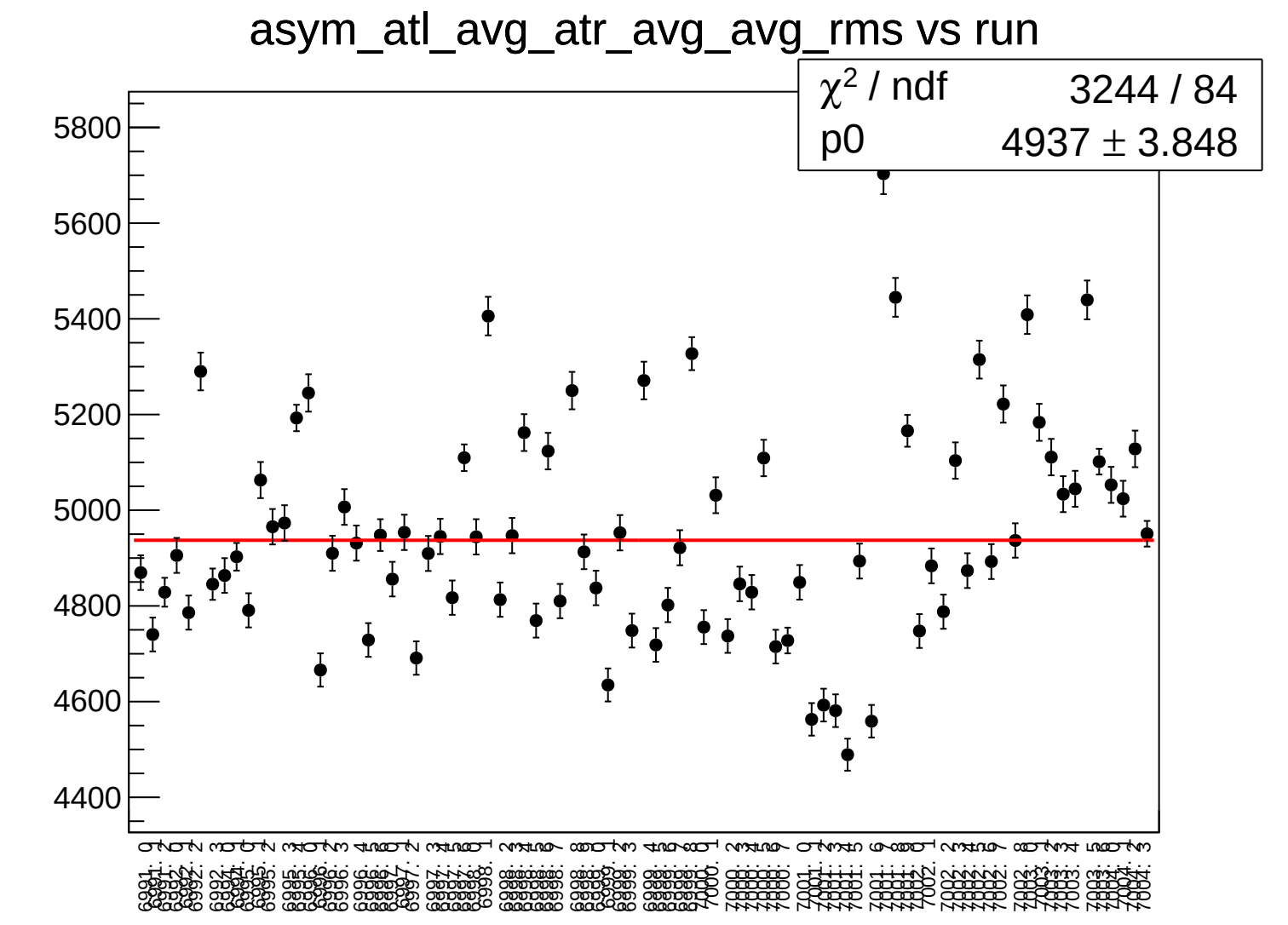

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 106.2 / 84
p0 −3365 ± 5244
pull
Entries 85
Mean −108.6
Std Dev 152.4

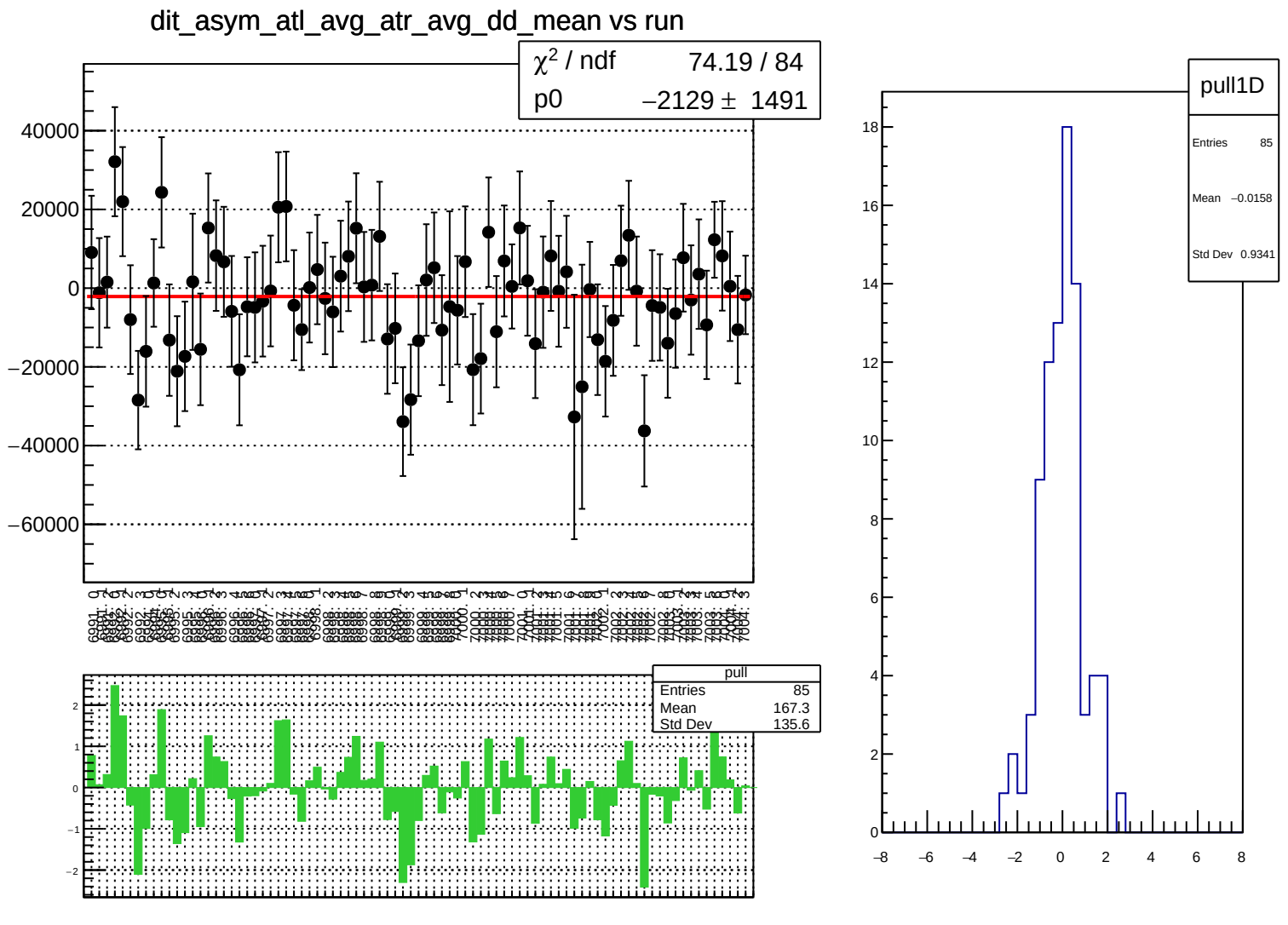

pull1D
Entries 85
Mean 0.0322
Std Dev 1.117

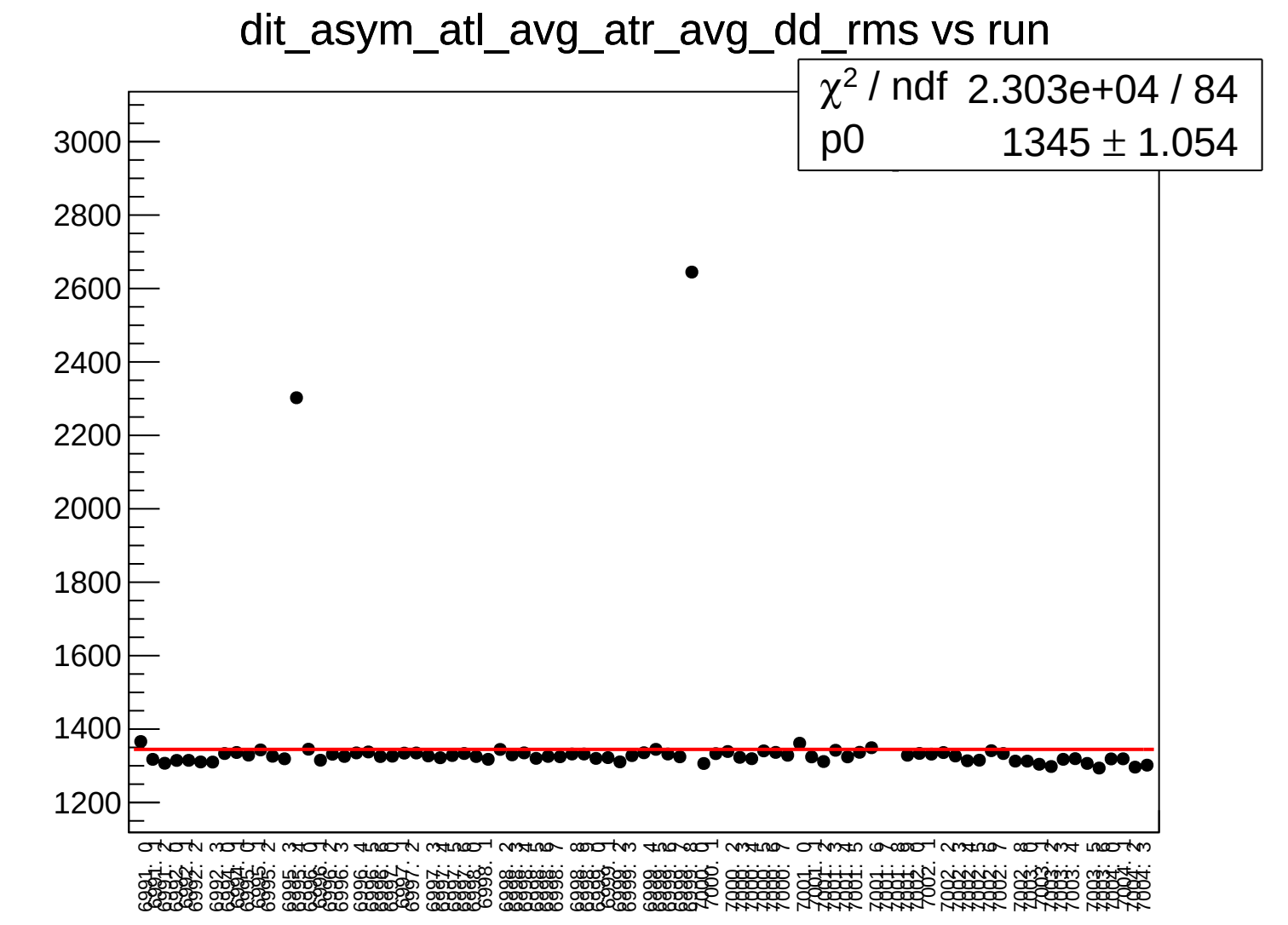

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2737 / 84
p0 4759 ± 3.708
5400
5200
5000
4800
4600
4400
4200

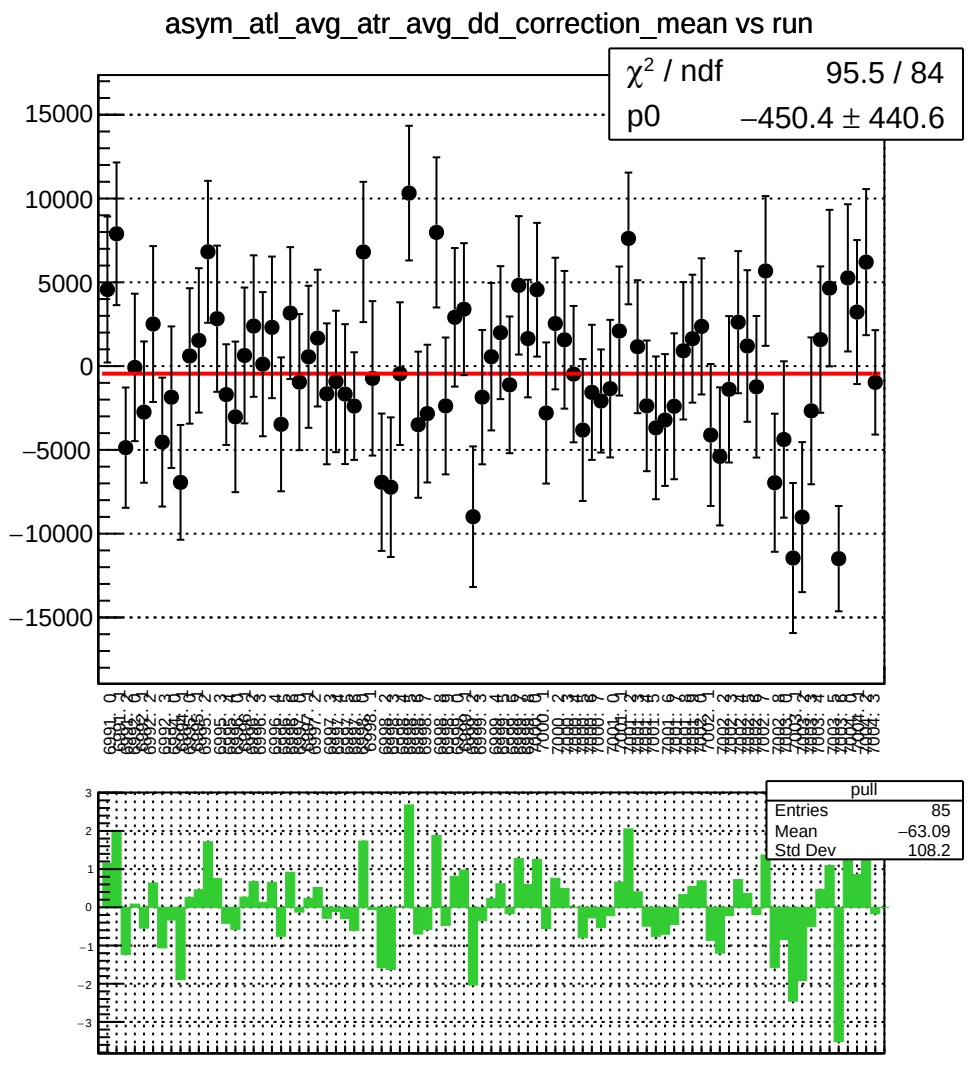

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 111.4 / 84
p0 −2067 ± 5441
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −99.36
Std Dev 143.8
3
2
1
0
−1
−2

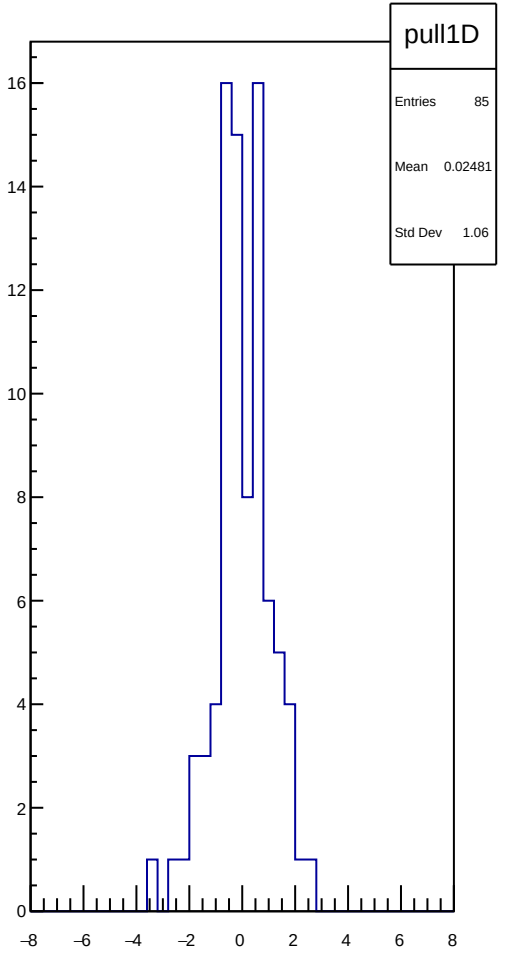

pull1D
Entries 85
Mean −0.03463
Std Dev 1.145
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

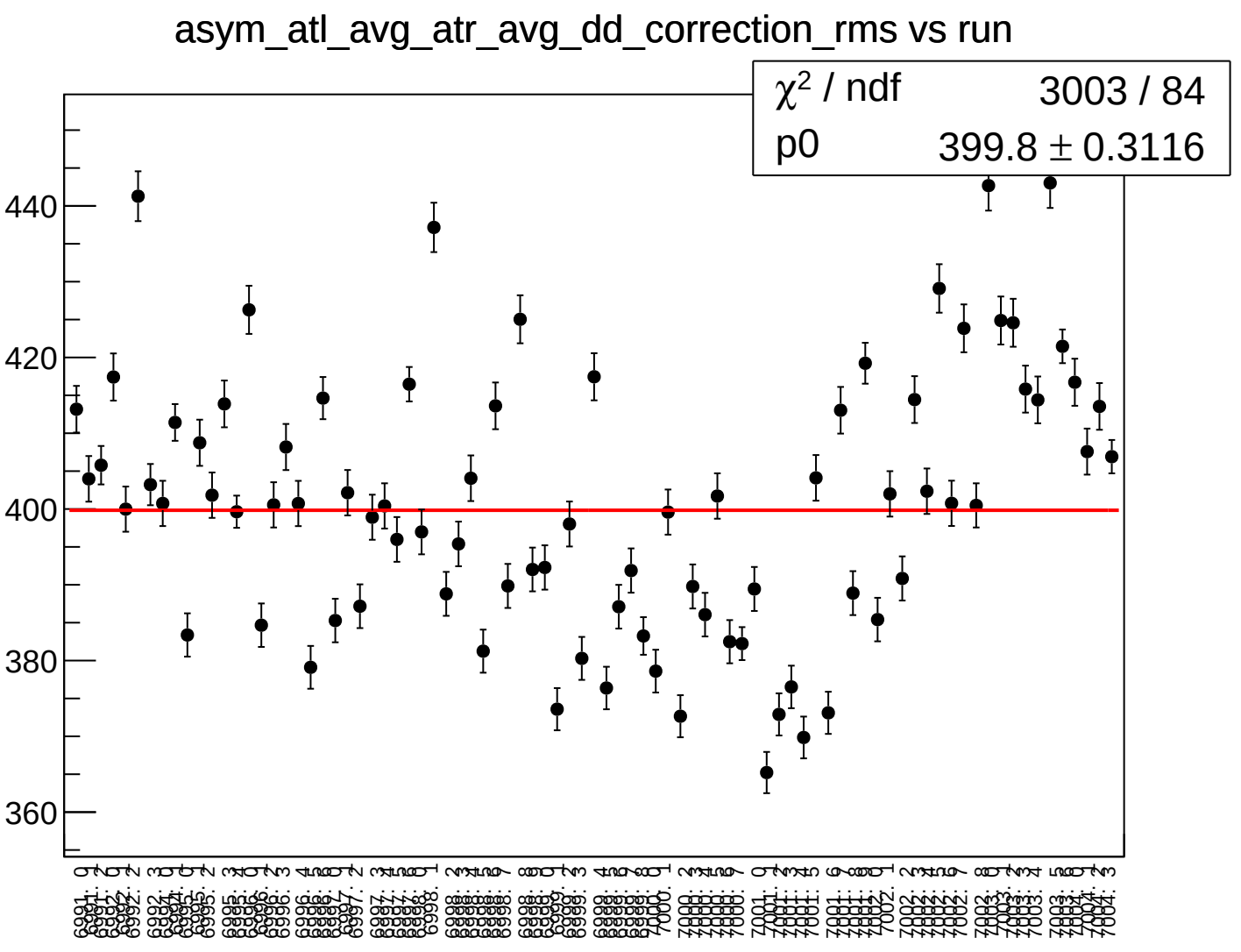

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3244 / 84
p0 4937 ± 3.848
5800
5600
5400
5200
5000
4800
4600
4400

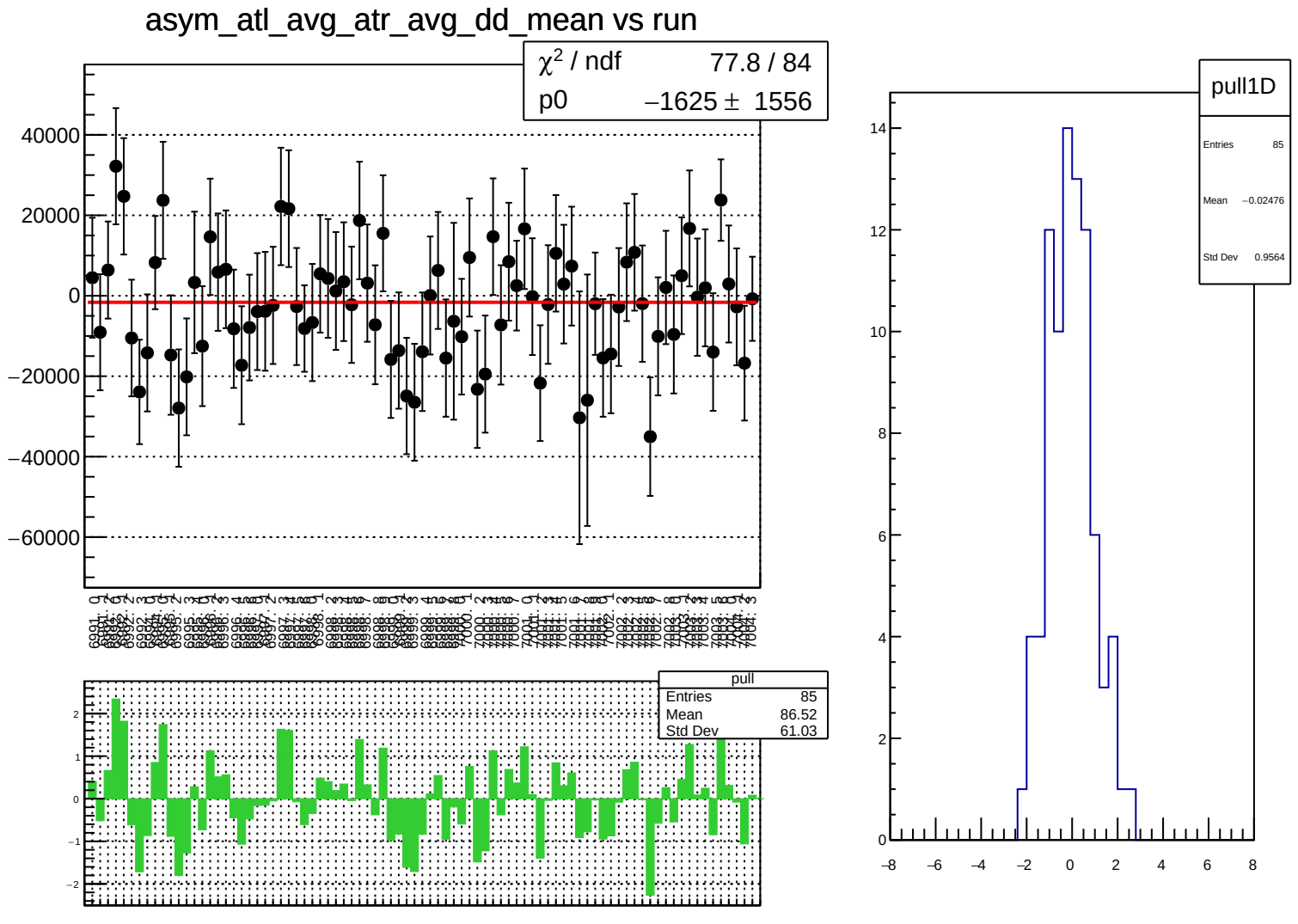

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 74.19 / 84
p0 −2129 ± 1491
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 167.3
Std Dev 135.6
pull1D
Entries 85
Mean −0.0158
Std Dev 0.9341
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

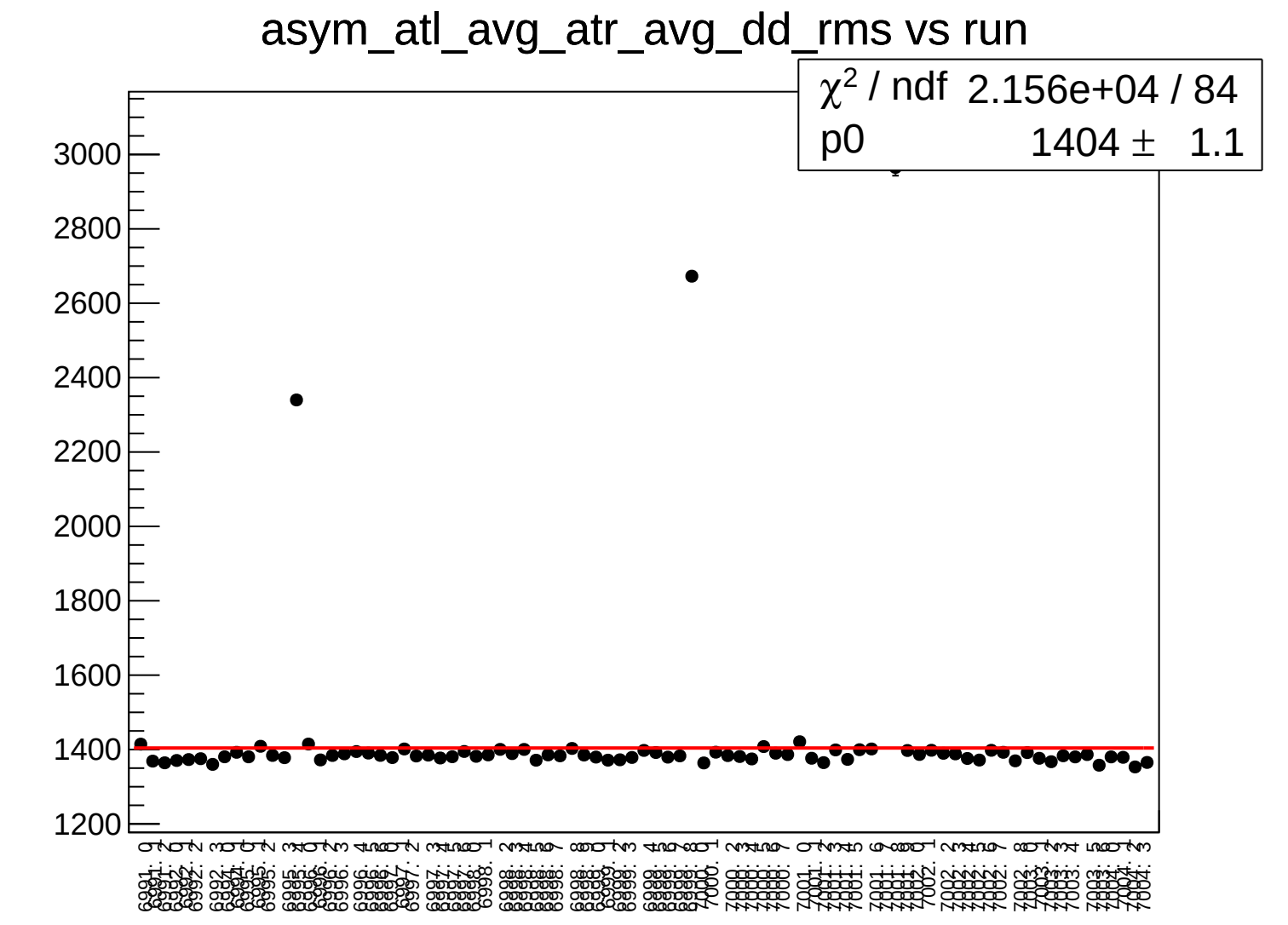

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.303e+04 / 84
p0 1345 ± 1.054
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

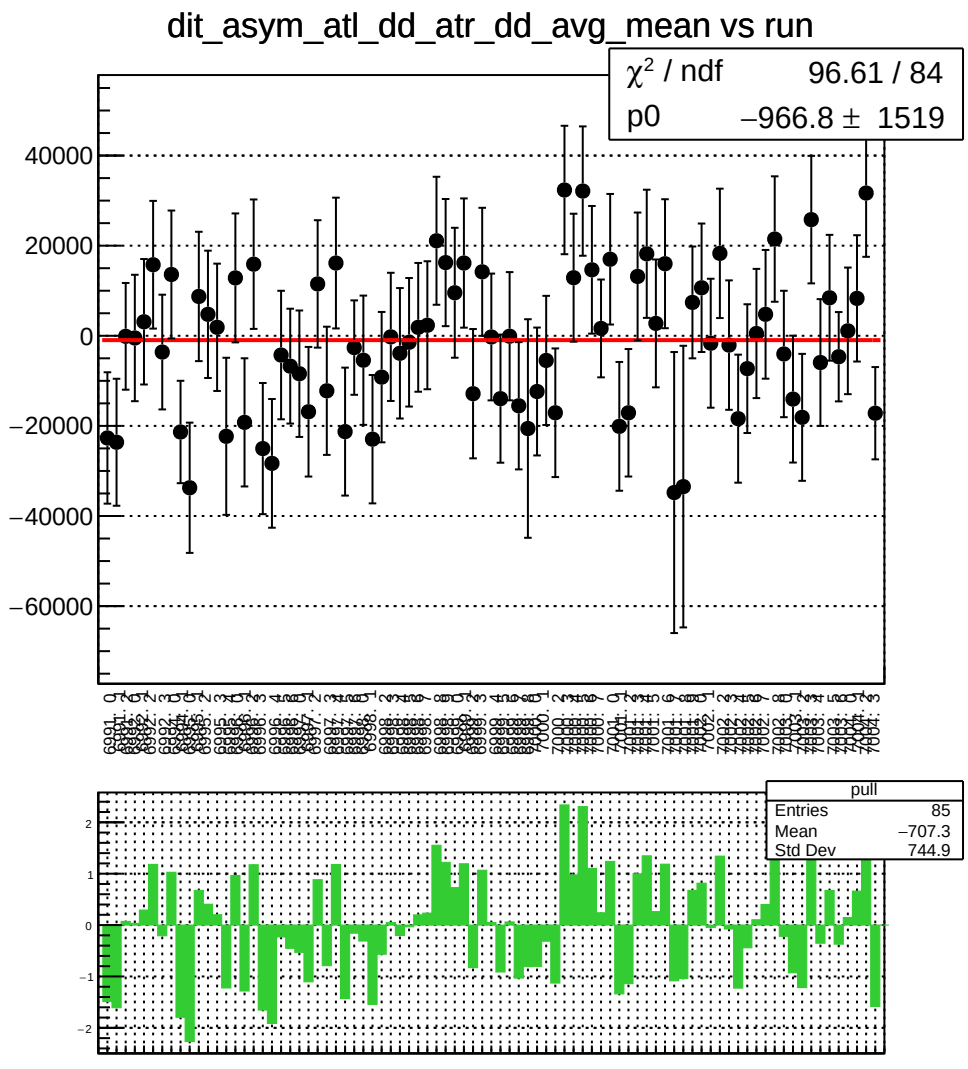

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 95.5 / 84
p0 −450.4 ± 440.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −63.09
Std Dev 108.2
3
2
1
0
−1
−2
−3

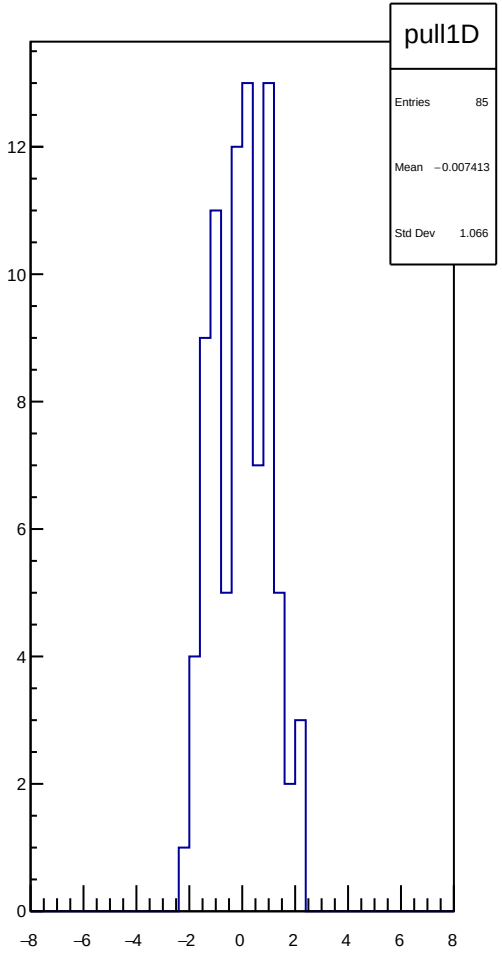

pull1D
Entries 85
Mean 0.02481
Std Dev 1.06
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

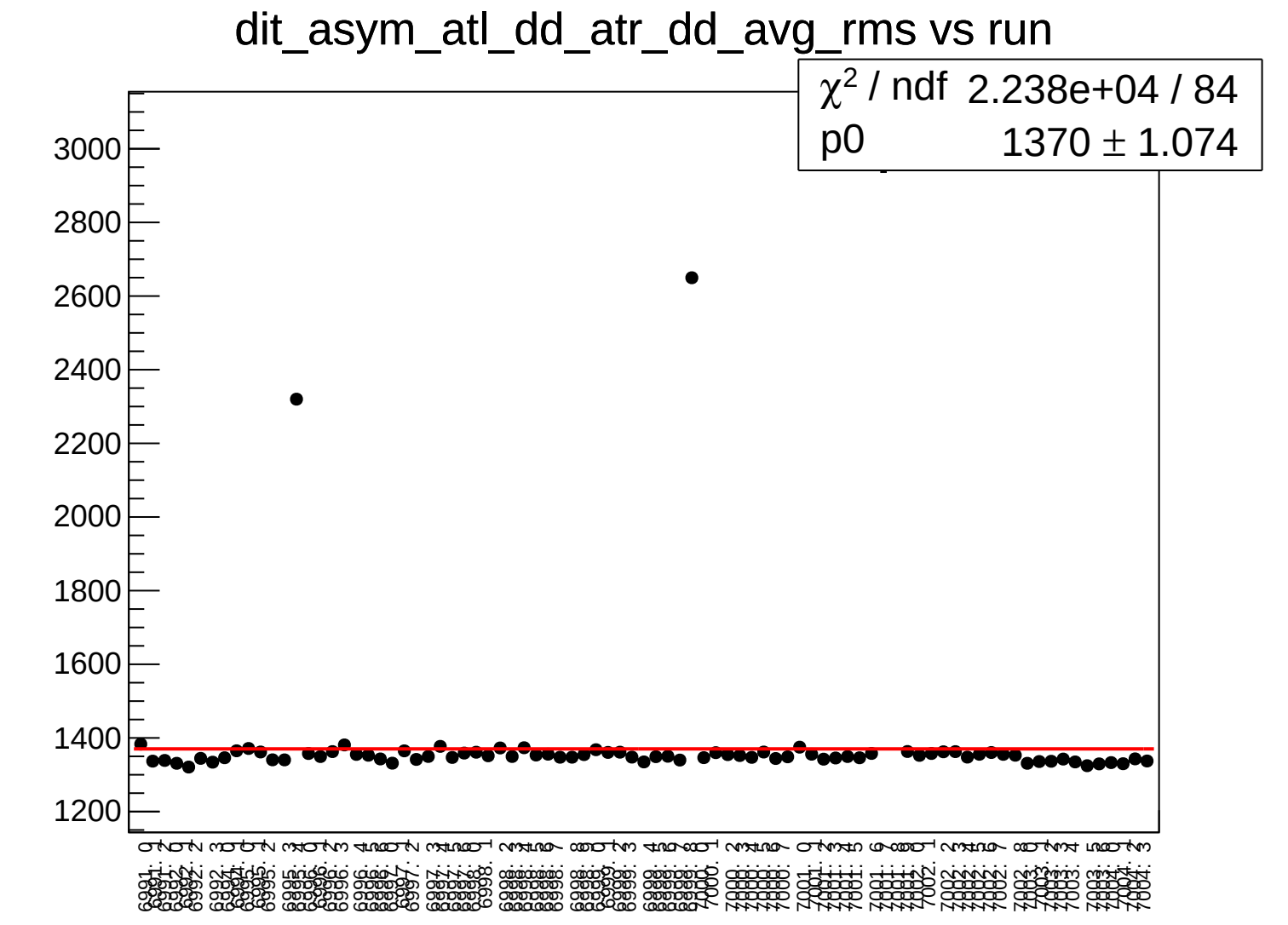

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3003 / 84
p0 399.8 ± 0.3116
440
420
400
380
360

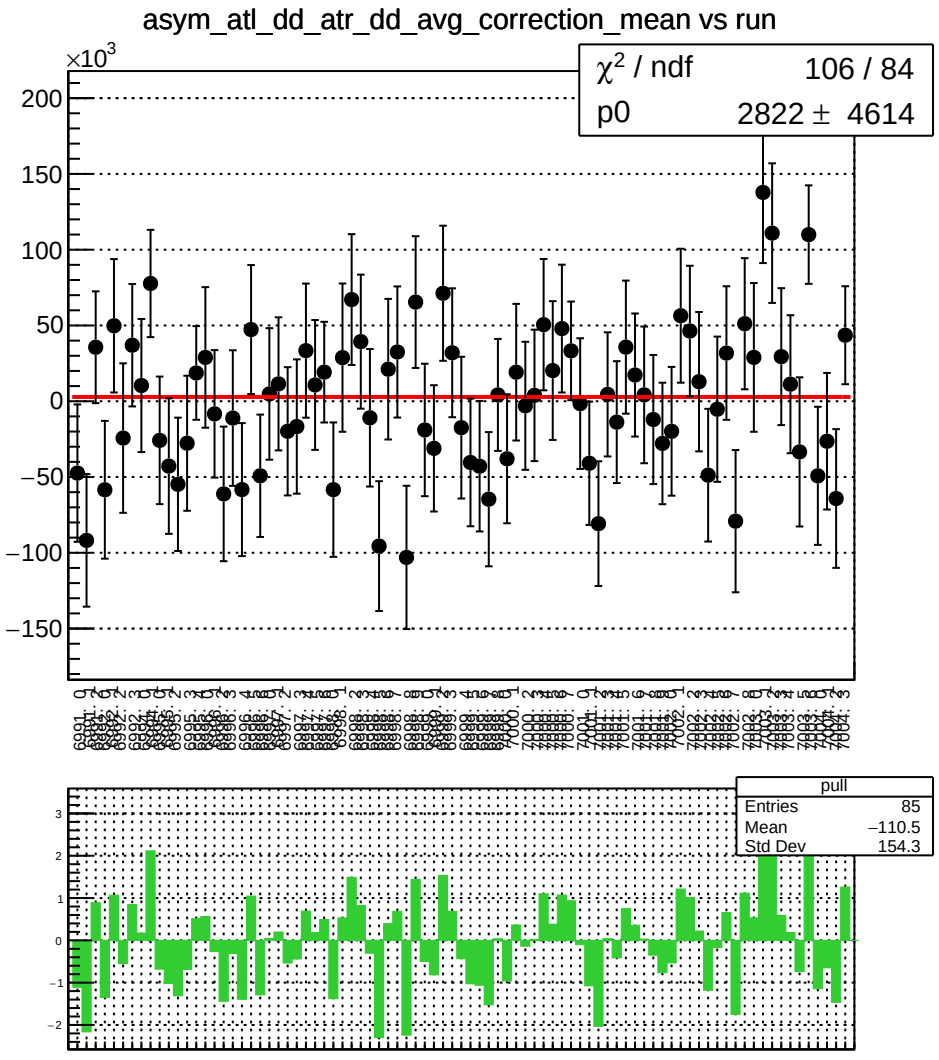

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 77.8 / 84
p0 −1625 ± 1556
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 86.52
Std Dev 61.03
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.02476
Std Dev 0.9564
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

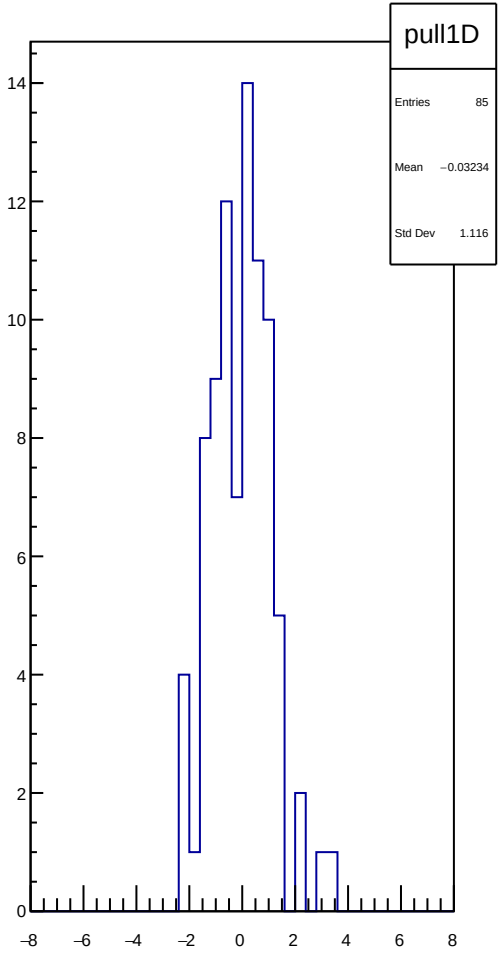

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.156e+04 / 84
p0 1404 ± 1.1
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

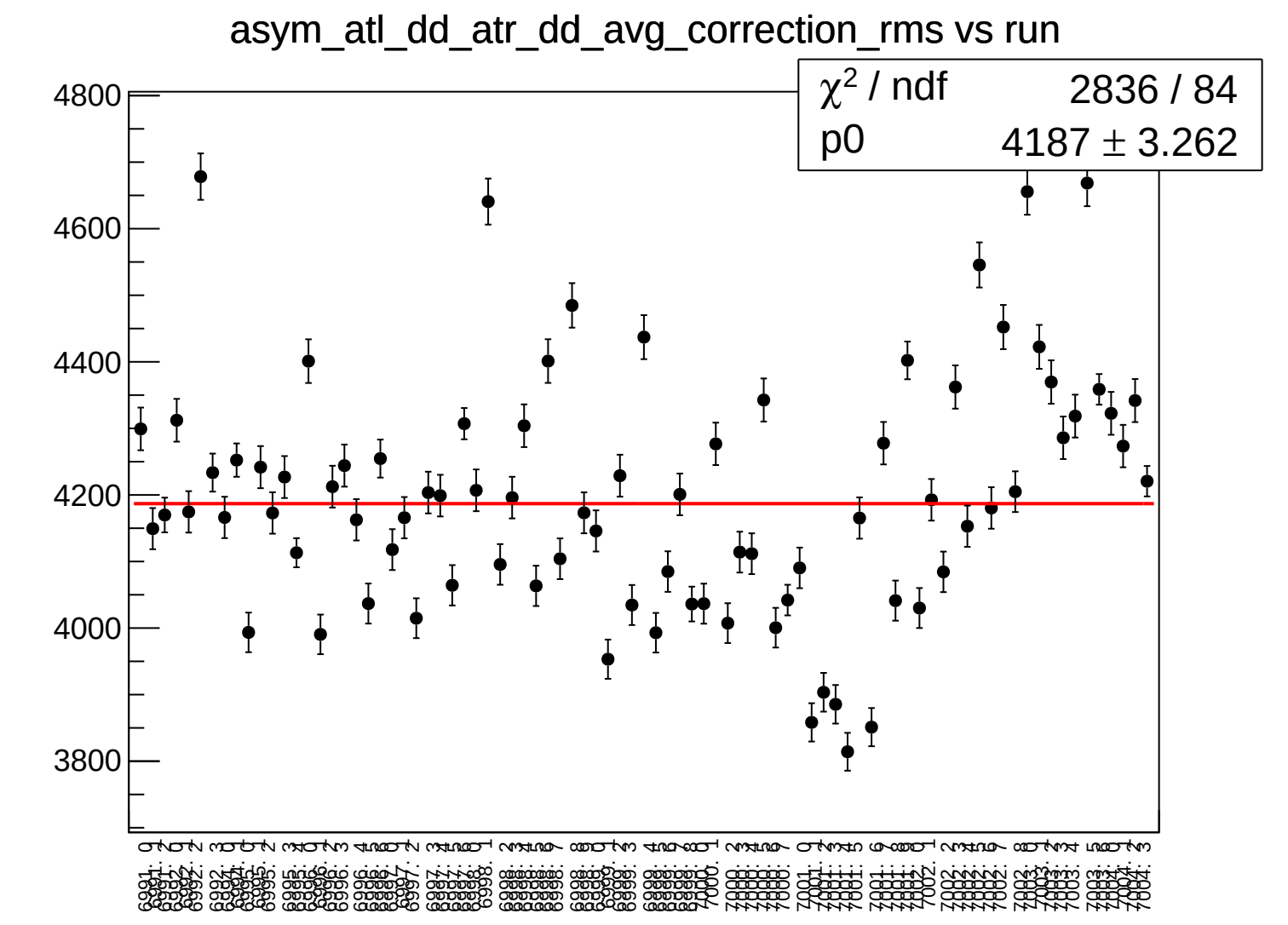

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 96.61 / 84
p0 −966.8 ± 1519
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −707.3
Std Dev 744.9
2
1
0
−1
−2

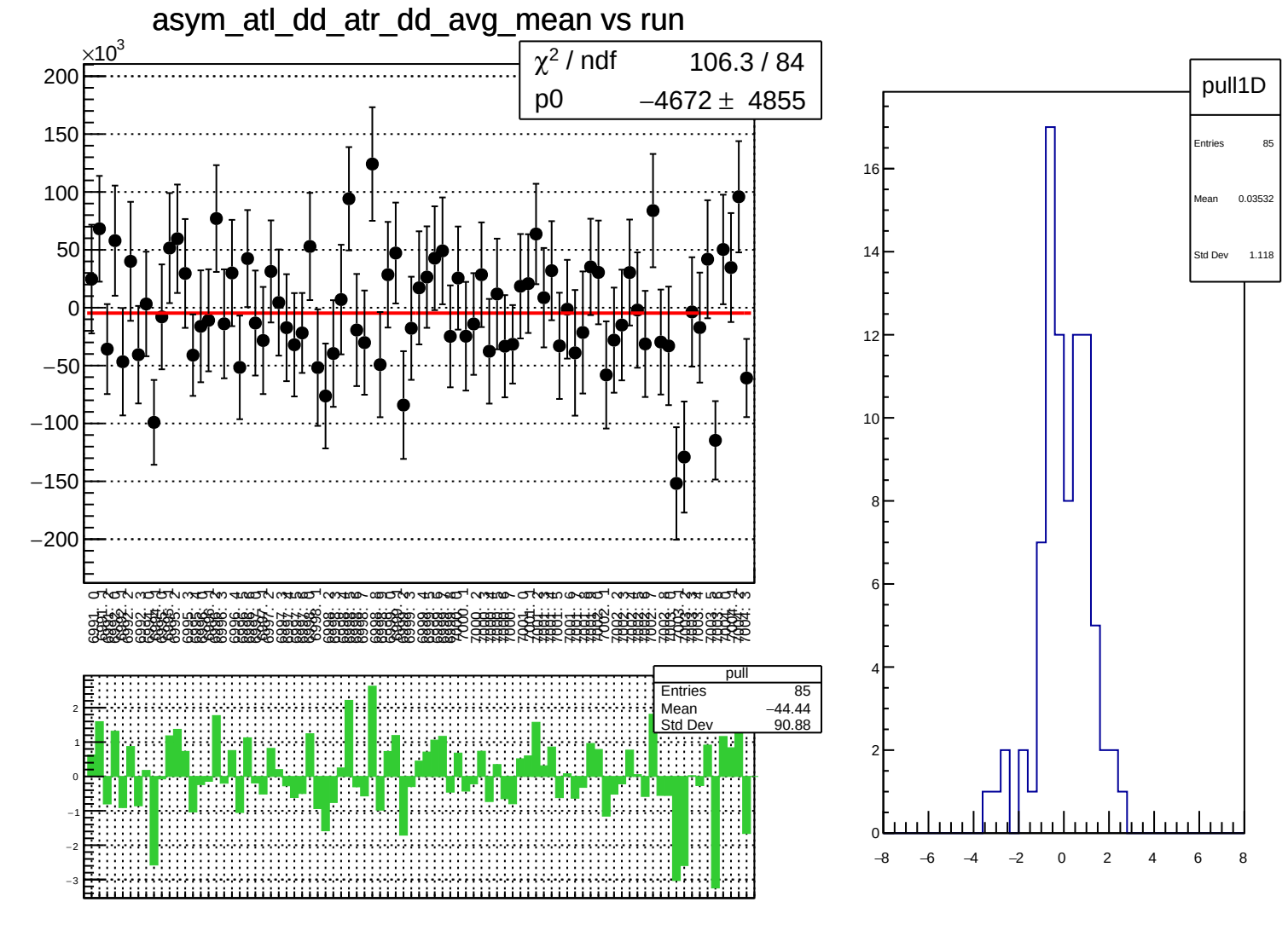

pull1D
Entries 85
Mean −0.007413
Std Dev 1.066
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

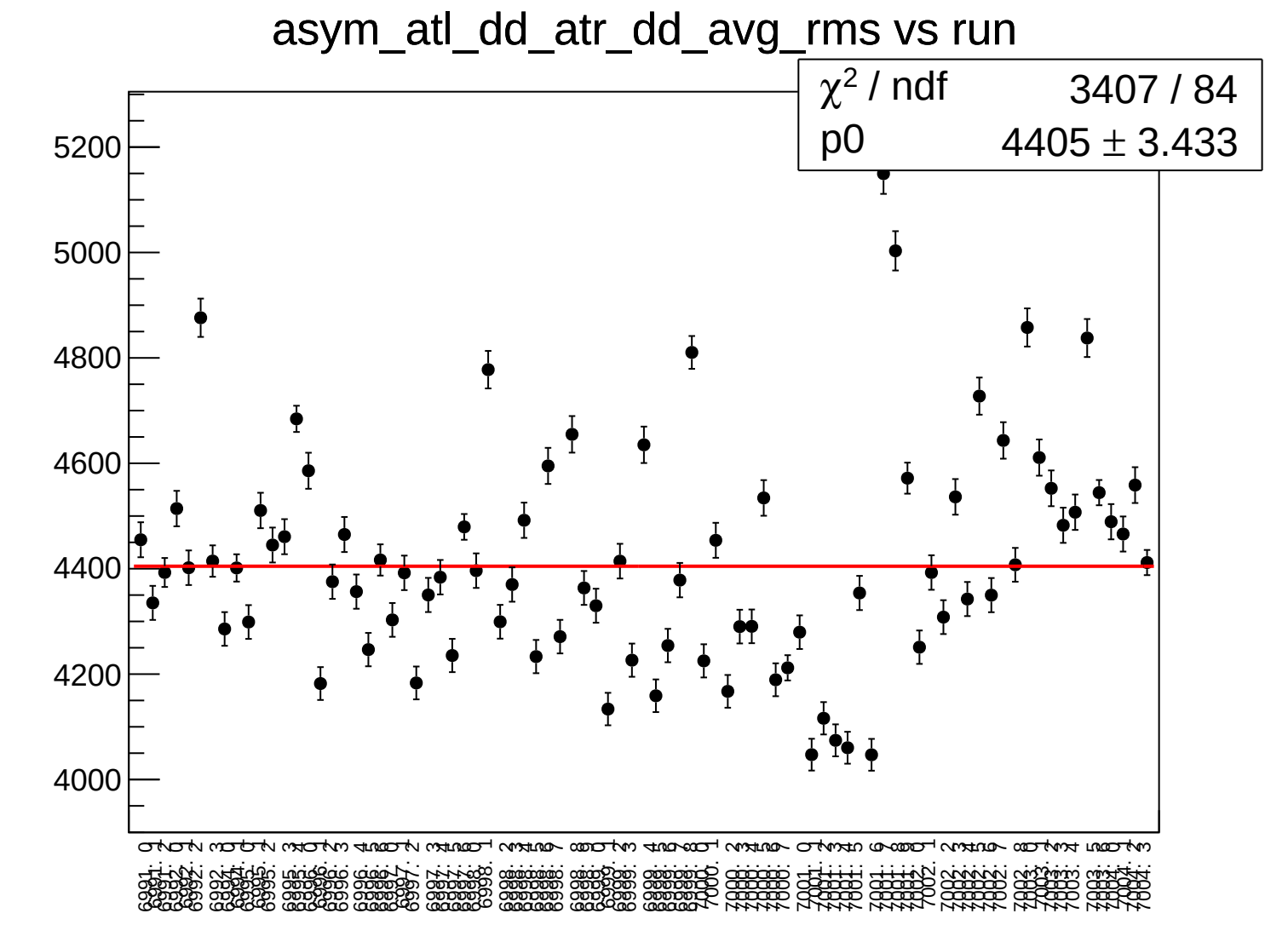

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.238e+04 / 84
p0 1370 ± 1.074
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

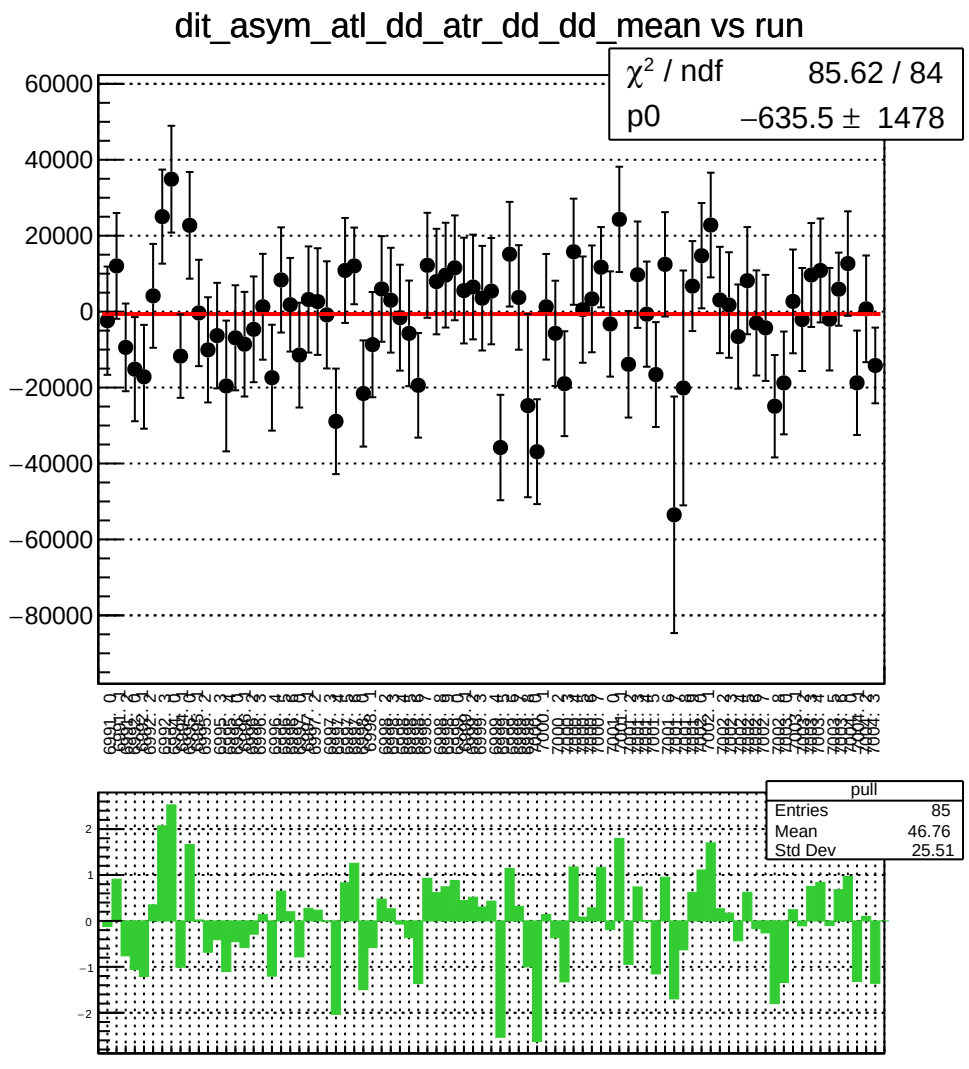

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 106 / 84
p0 2822 ± 4614
pull
Entries 85
Mean −110.5
Std Dev 154.3

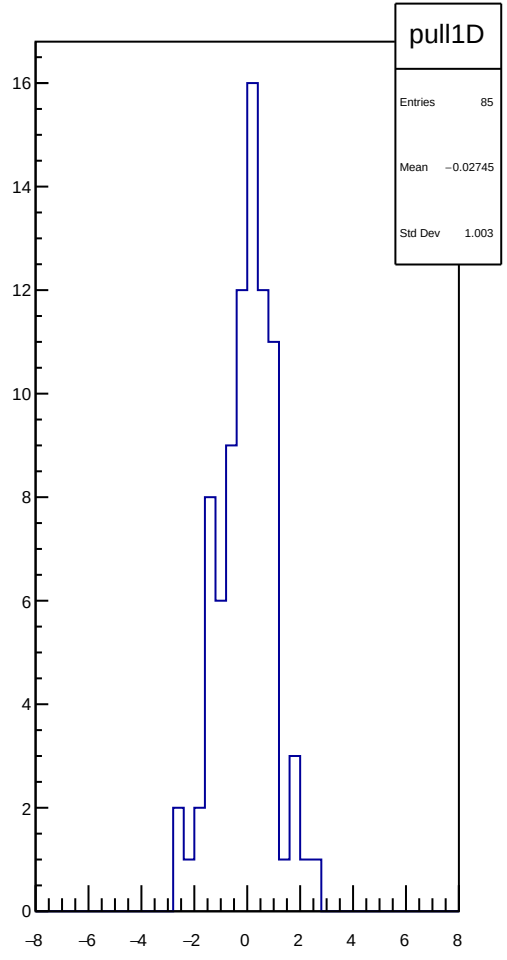

pull1D
Entries 85
Mean −0.03234
Std Dev 1.116

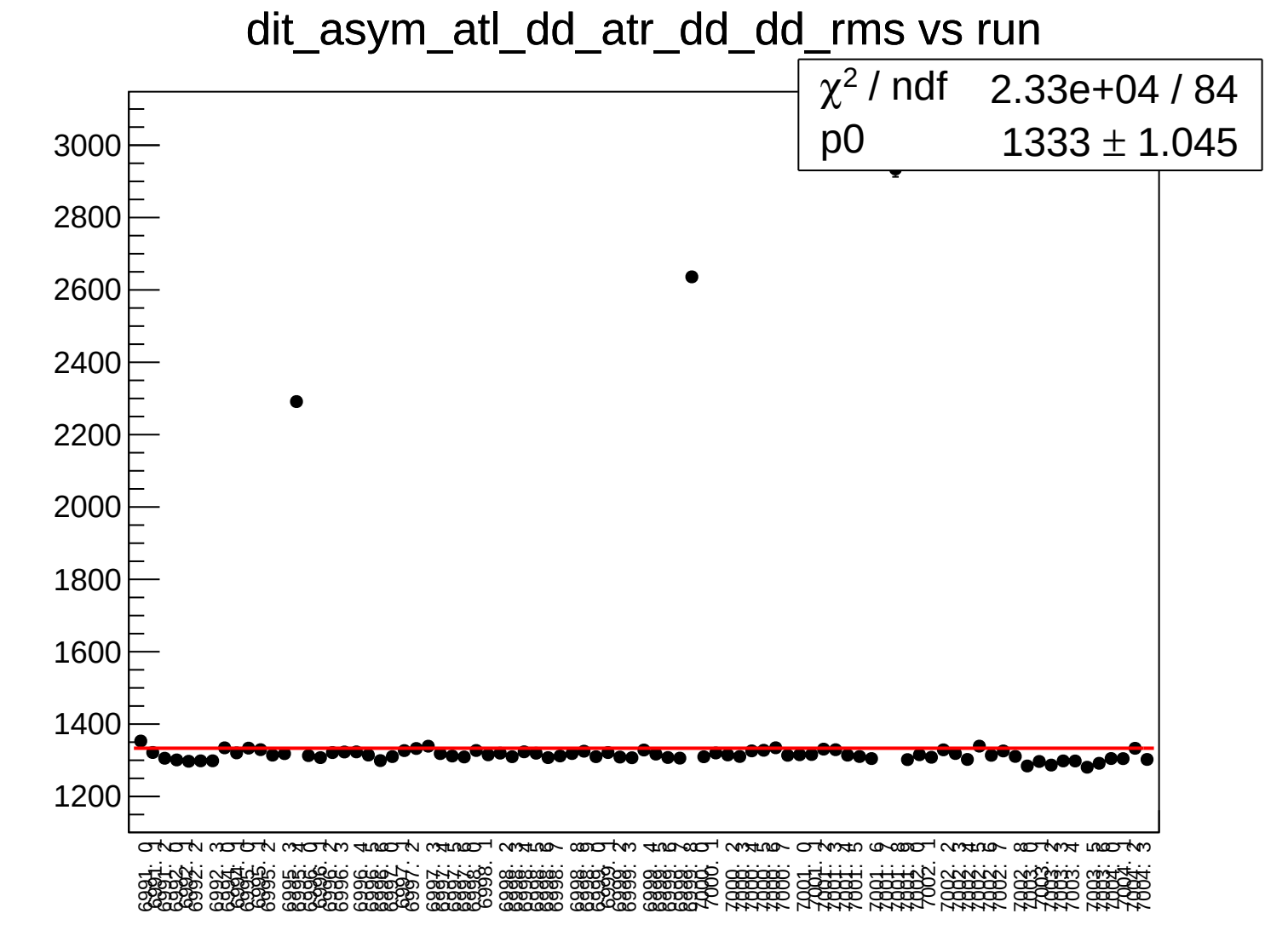

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2836 / 84
p0 4187 ± 3.262
4800
4600
4400
4200
4000
3800

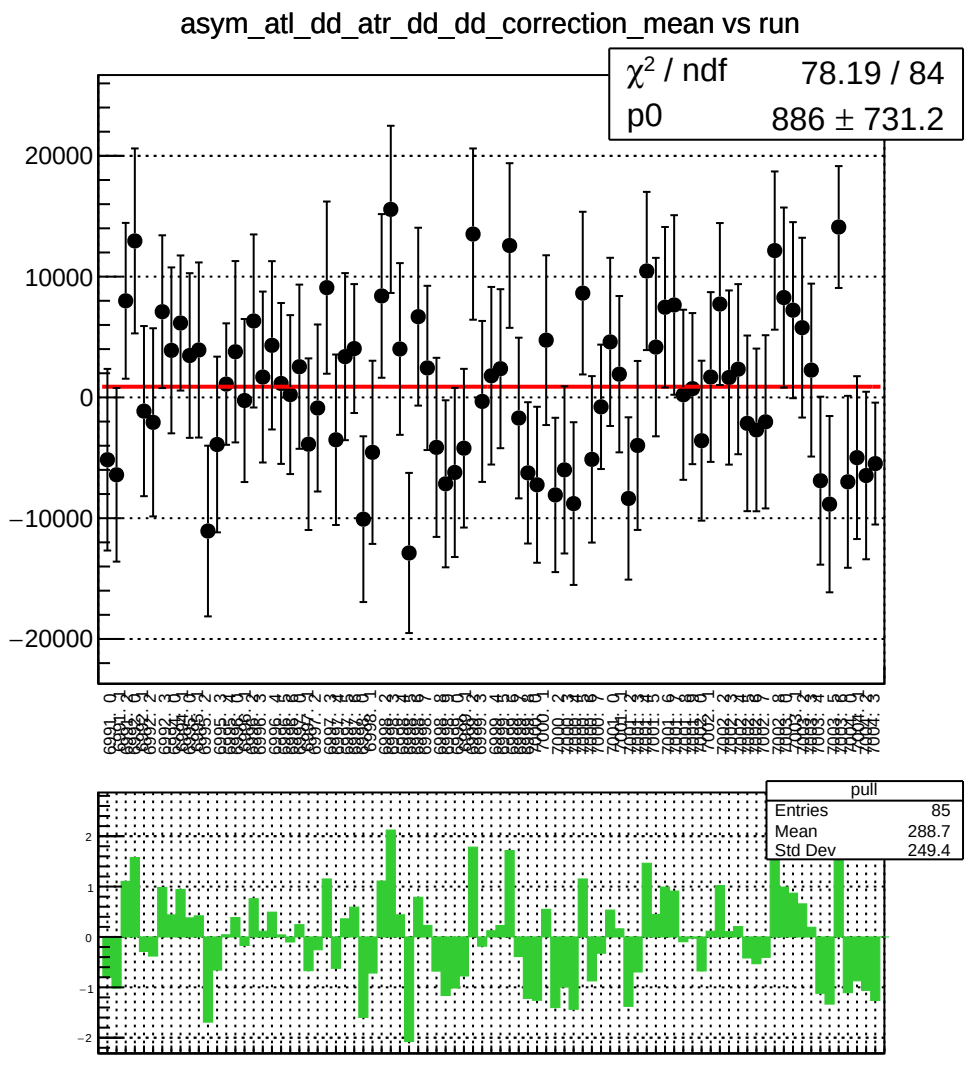

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ^2 / ndf 106.3 / 84
p0 −4672 ± 4855
pull
Entries 85
Mean −44.44
Std Dev 90.88
pull1D
Entries 85
Mean 0.03532
Std Dev 1.118

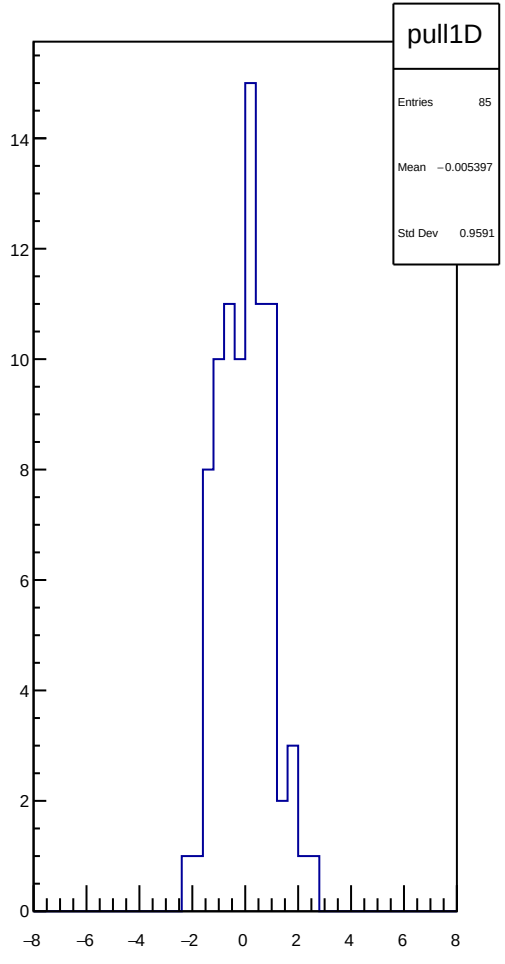

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 3407 / 84
p0 4405 ± 3.433
5200
5000
4800
4600
4400
4200
4000

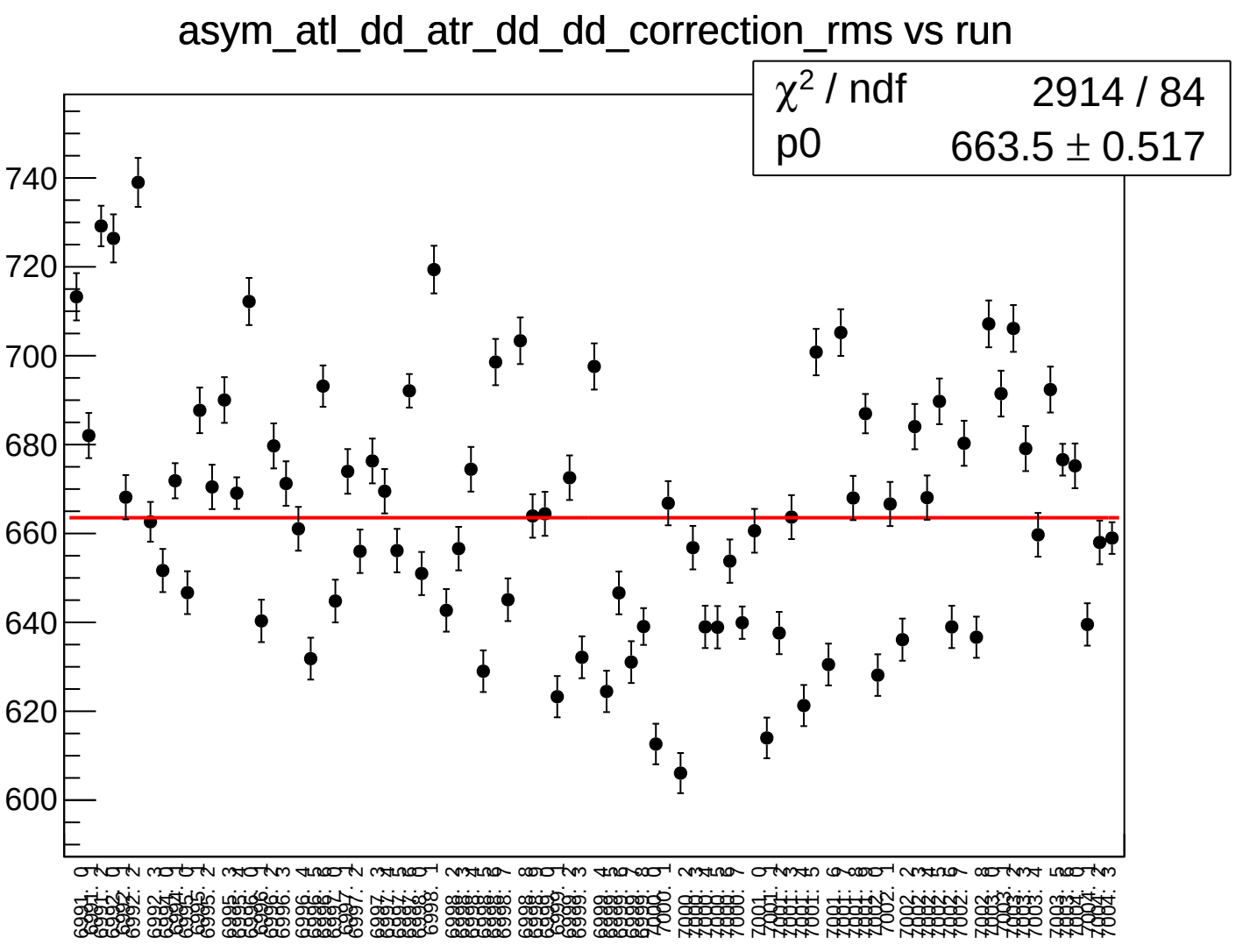

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 85.62 / 84
p0 −635.5 ± 1478
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean 46.76
Std Dev 25.51
2
1
0
−1
−2

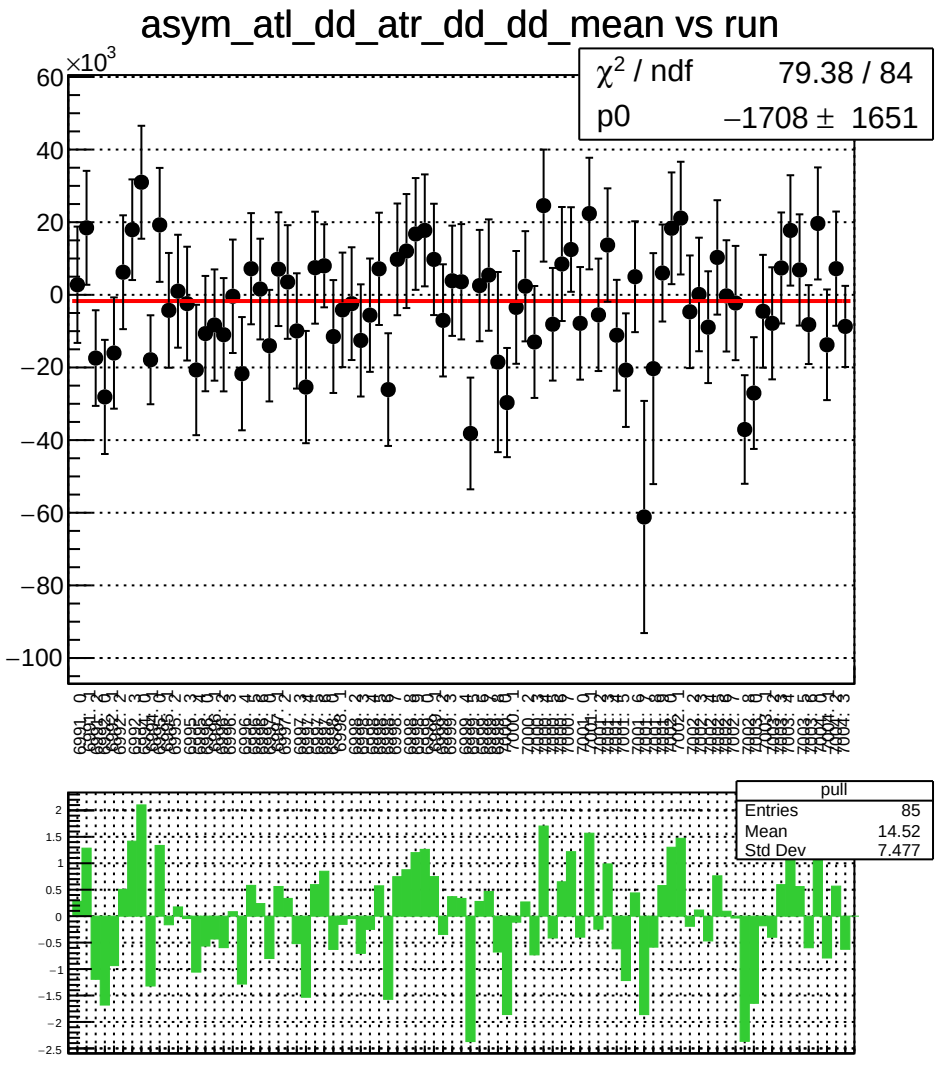

pull1D
Entries 85
Mean −0.02745
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

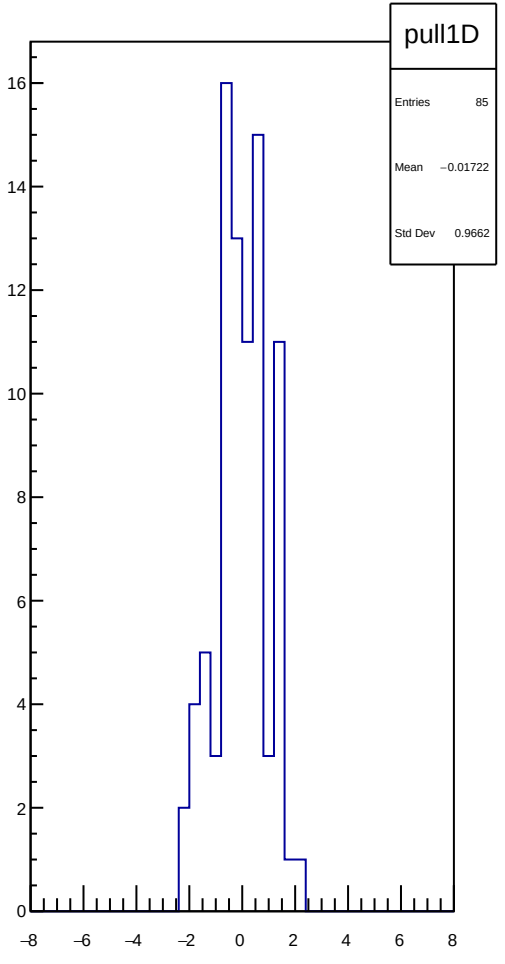

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2.33e+04 / 84
p0 1333 ± 1.045
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

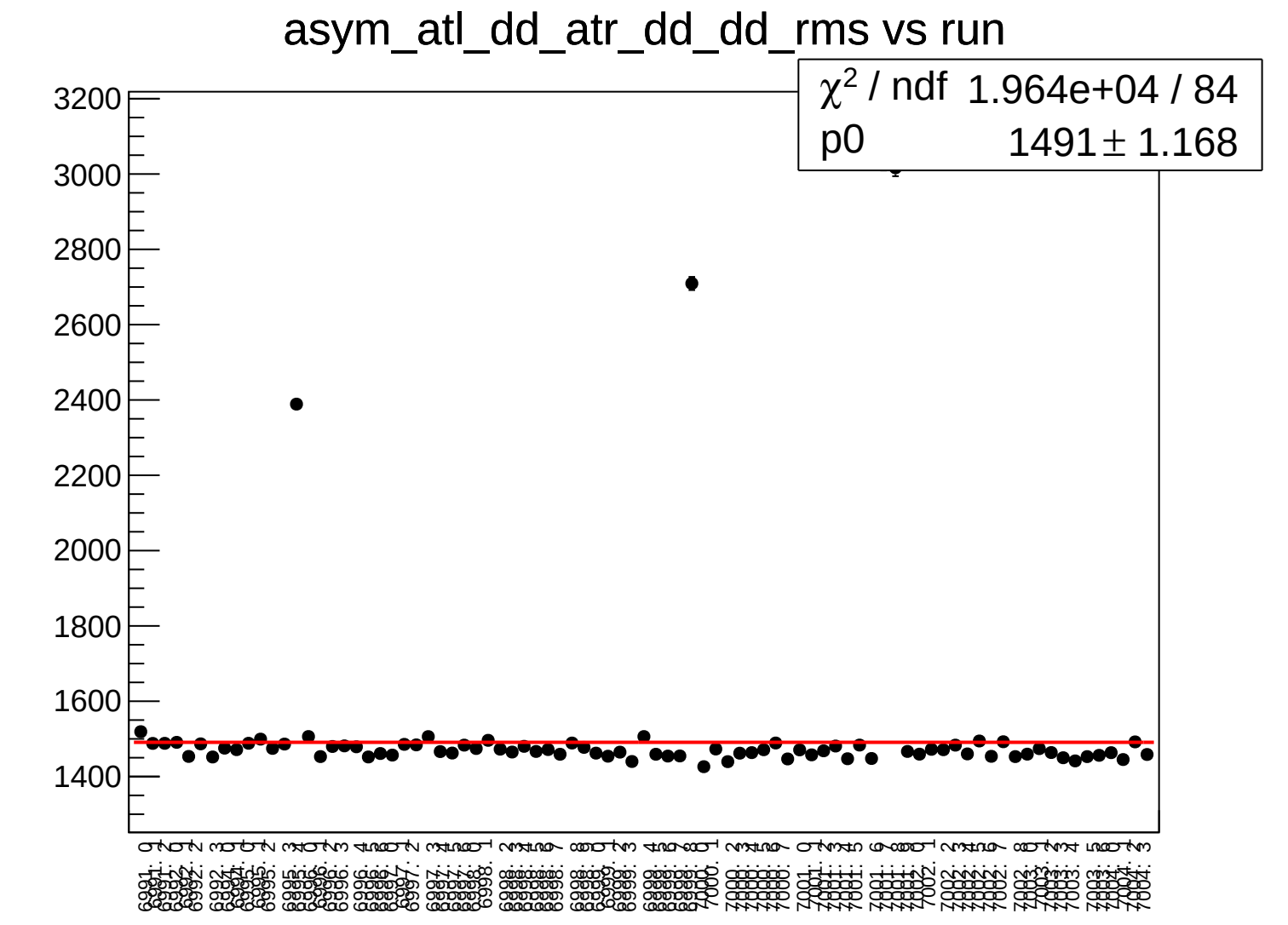

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 78.19 / 84
p0 886 ± 731.2
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 288.7
Std Dev 249.4
2
1
0
−1
−2

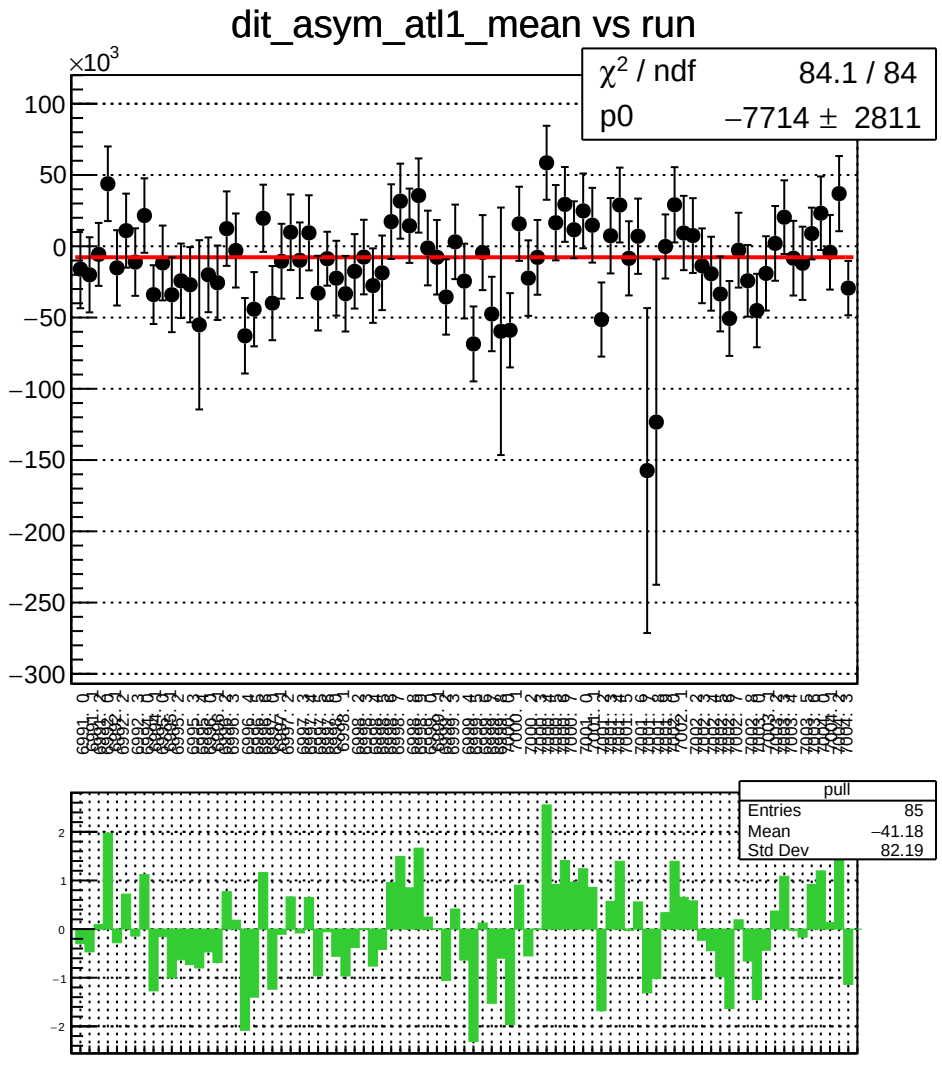

pull1D
Entries 85
Mean −0.005397
Std Dev 0.9591
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

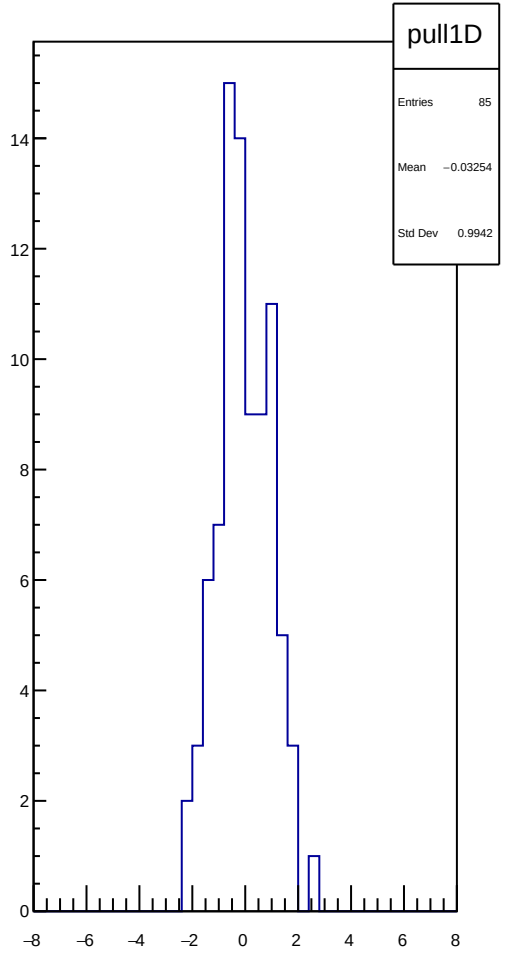

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2914 / 84
p0 663.5 ± 0.517
740
720
700
680
660
640
620
600

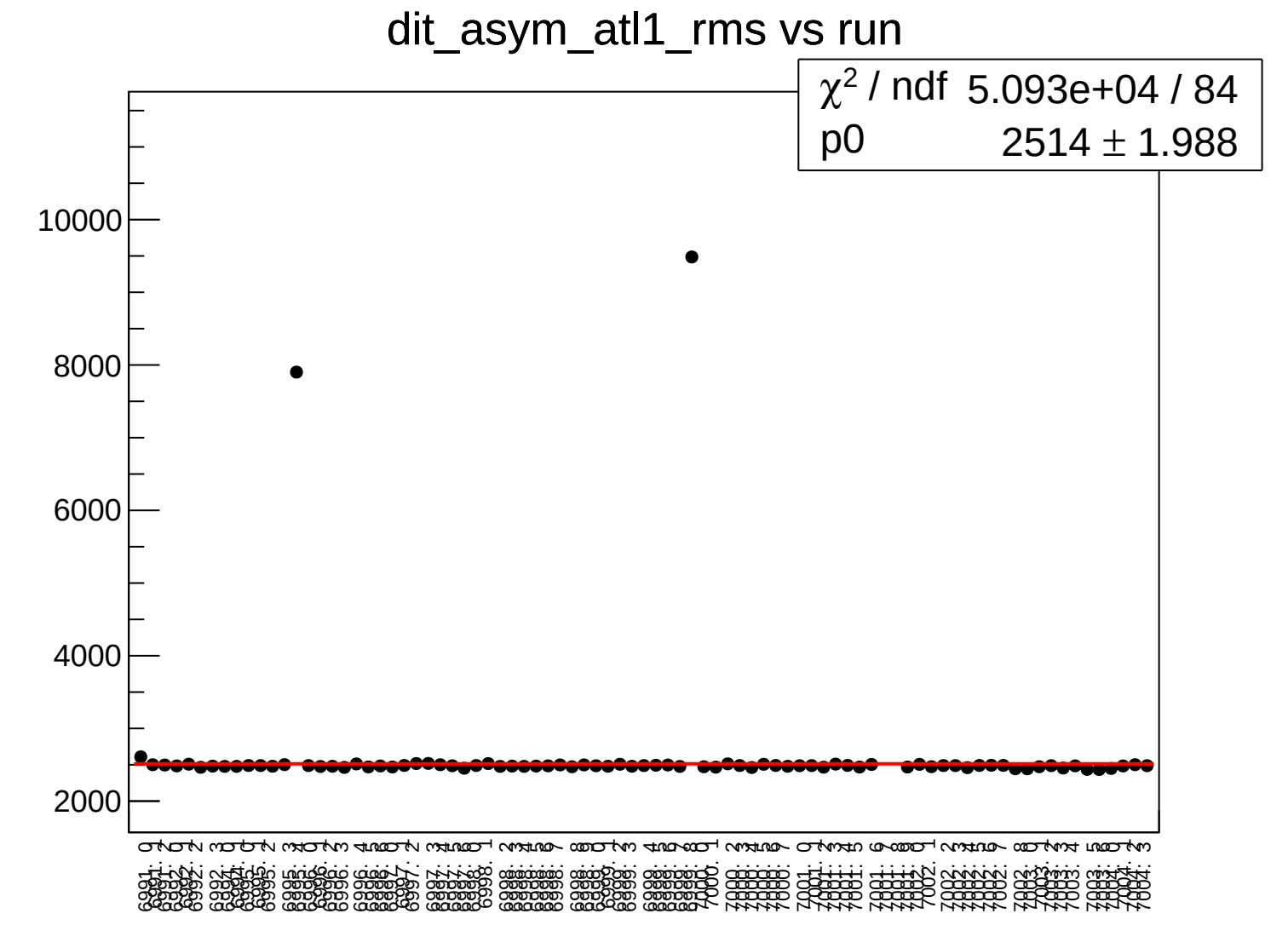

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 79.38 / 84
p0 −1708 ± 1651
×10³
pull
Entries 85
Mean 14.52
Std Dev 7.477

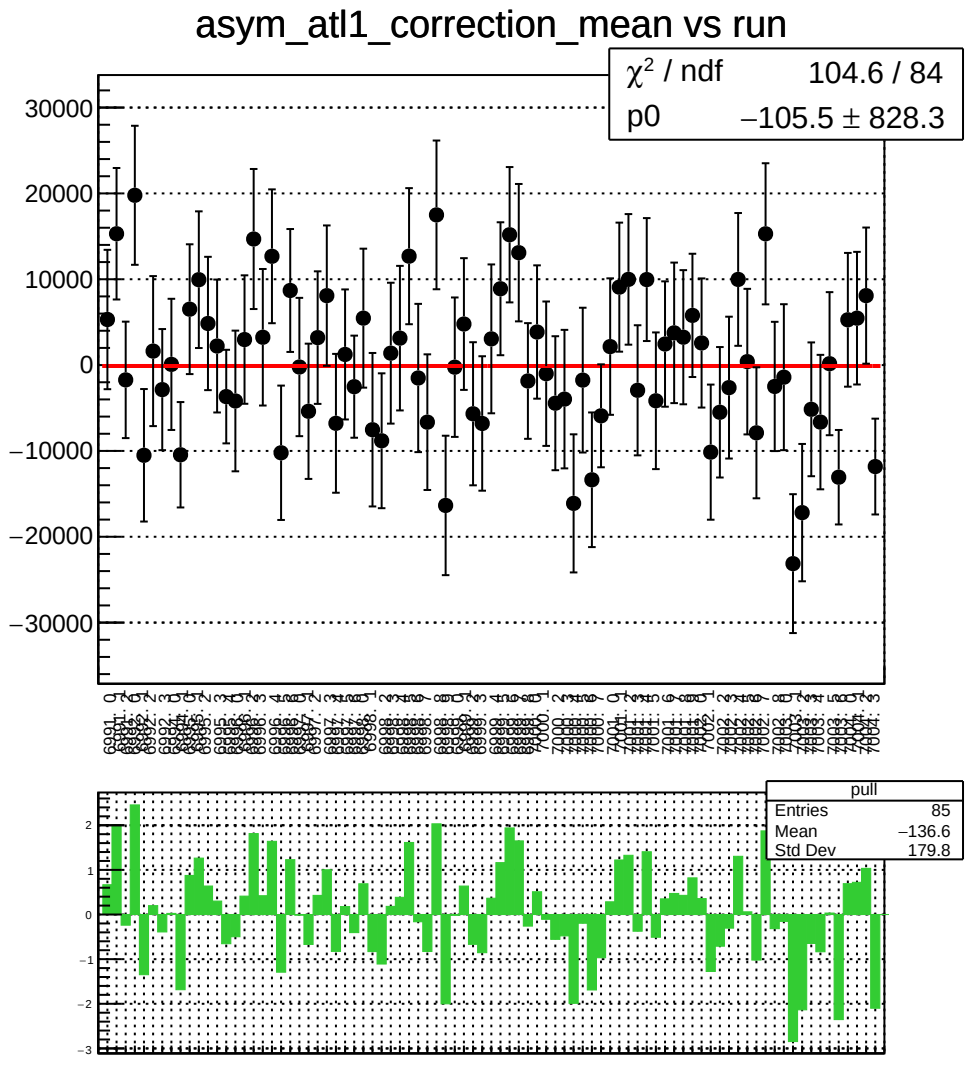

pull1D
Entries 85
Mean −0.01722
Std Dev 0.9662

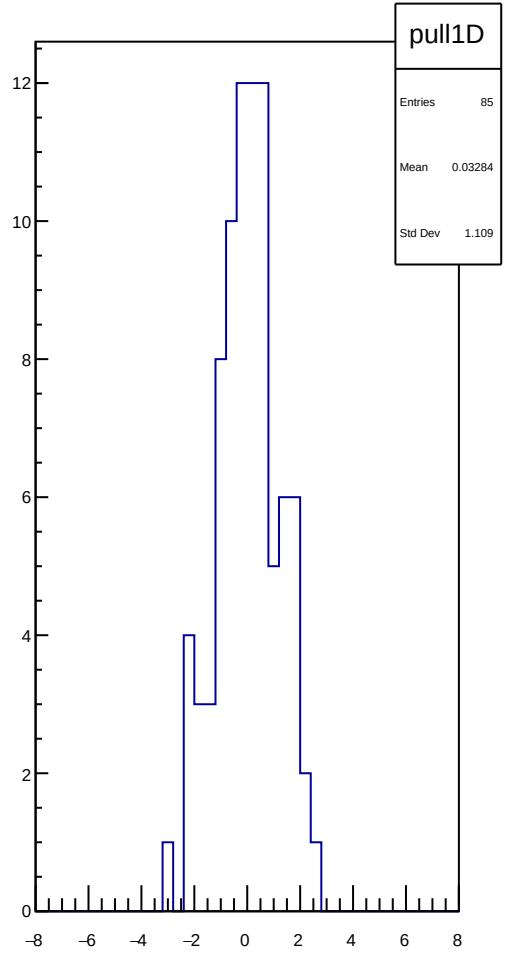

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.964e+04 / 84
p0 1491 ± 1.168
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

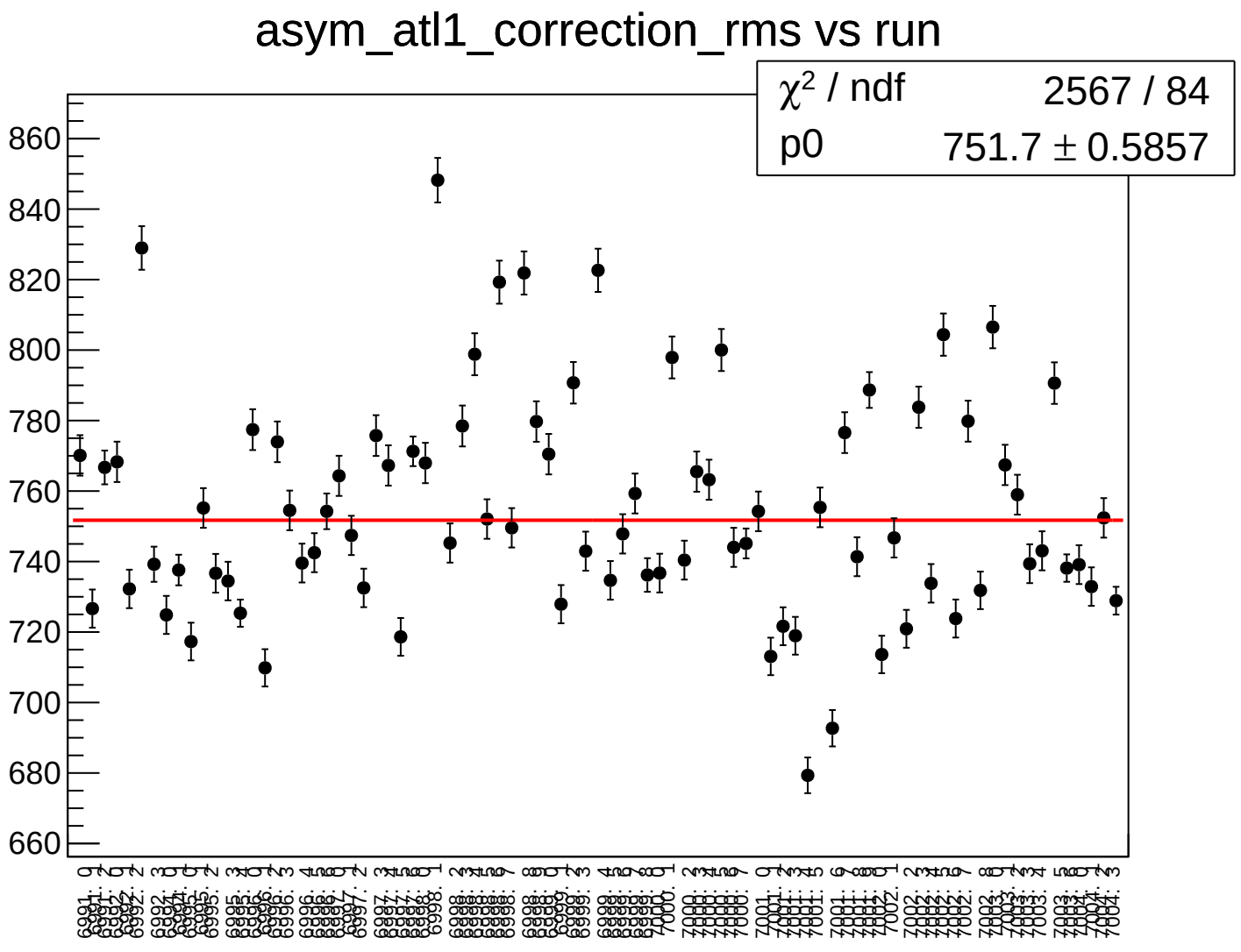

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 84.1 / 84
p0 −7714 ± 2811
pull
Entries 85
Mean −41.18
Std Dev 82.19

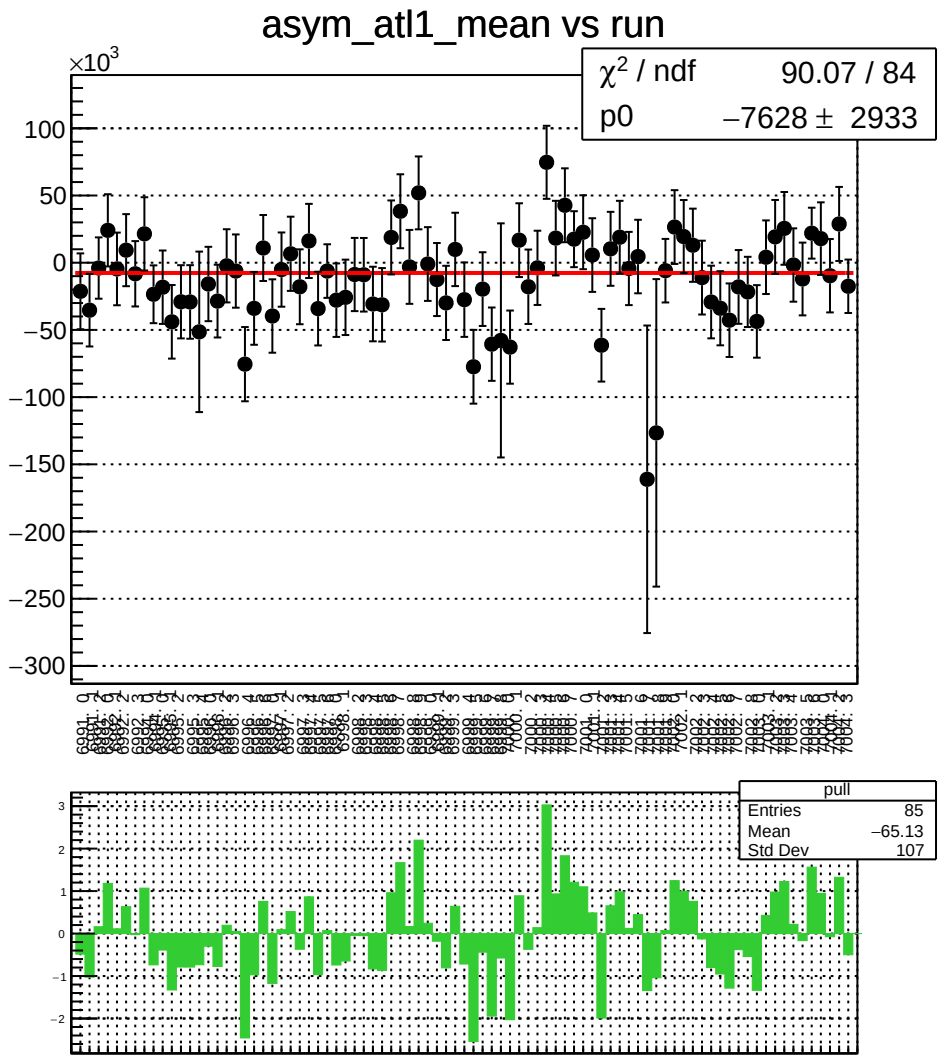

pull1D
Entries 85
Mean −0.03254
Std Dev 0.9942

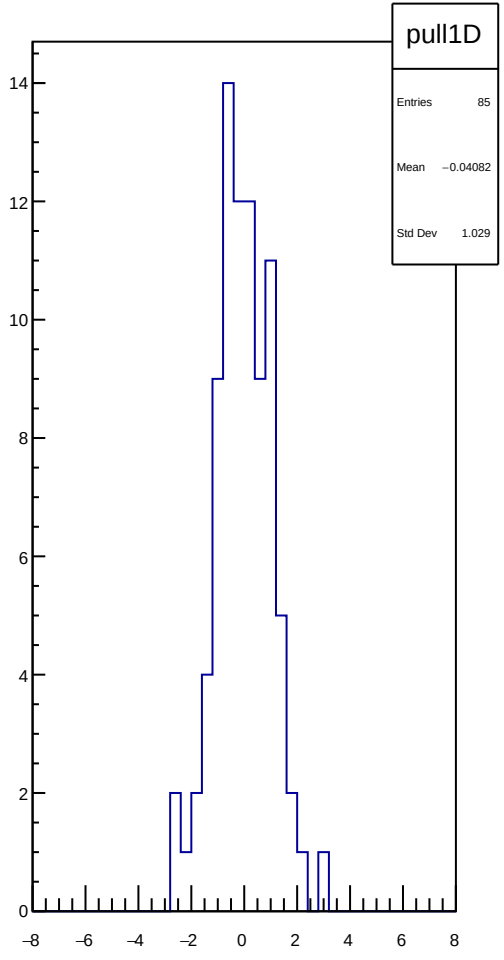

dit_asym_atl1_rms vs run
χ^2 / ndf 5.093e+04 / 84
p0 2514 ± 1.988
10000
8000
6000
4000
2000

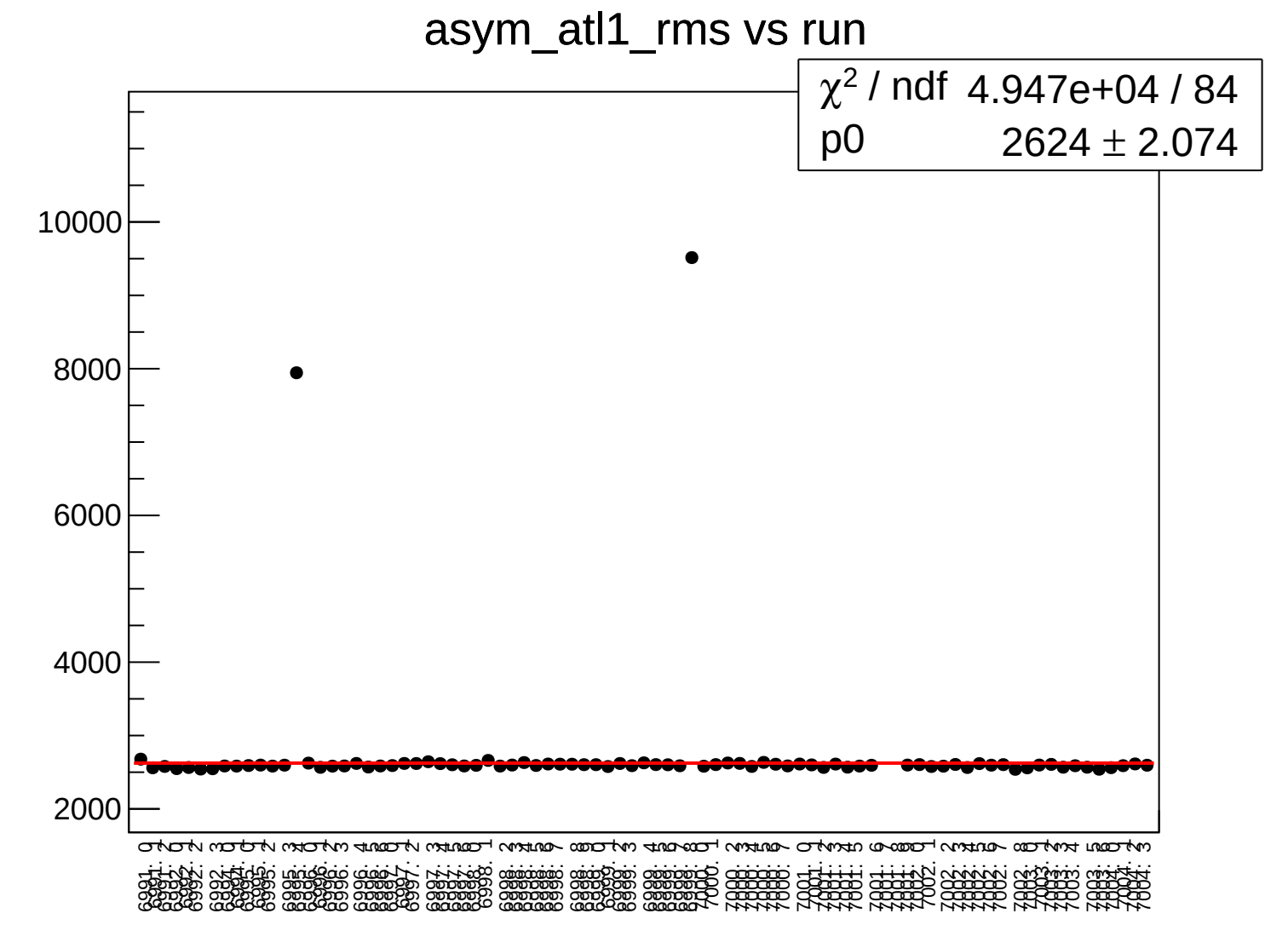

asym_atl1_correction_mean vs run
χ² / ndf 104.6 / 84
p0 −105.5 ± 828.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −136.6
Std Dev 179.8
2
1
0
−1
−2
−3

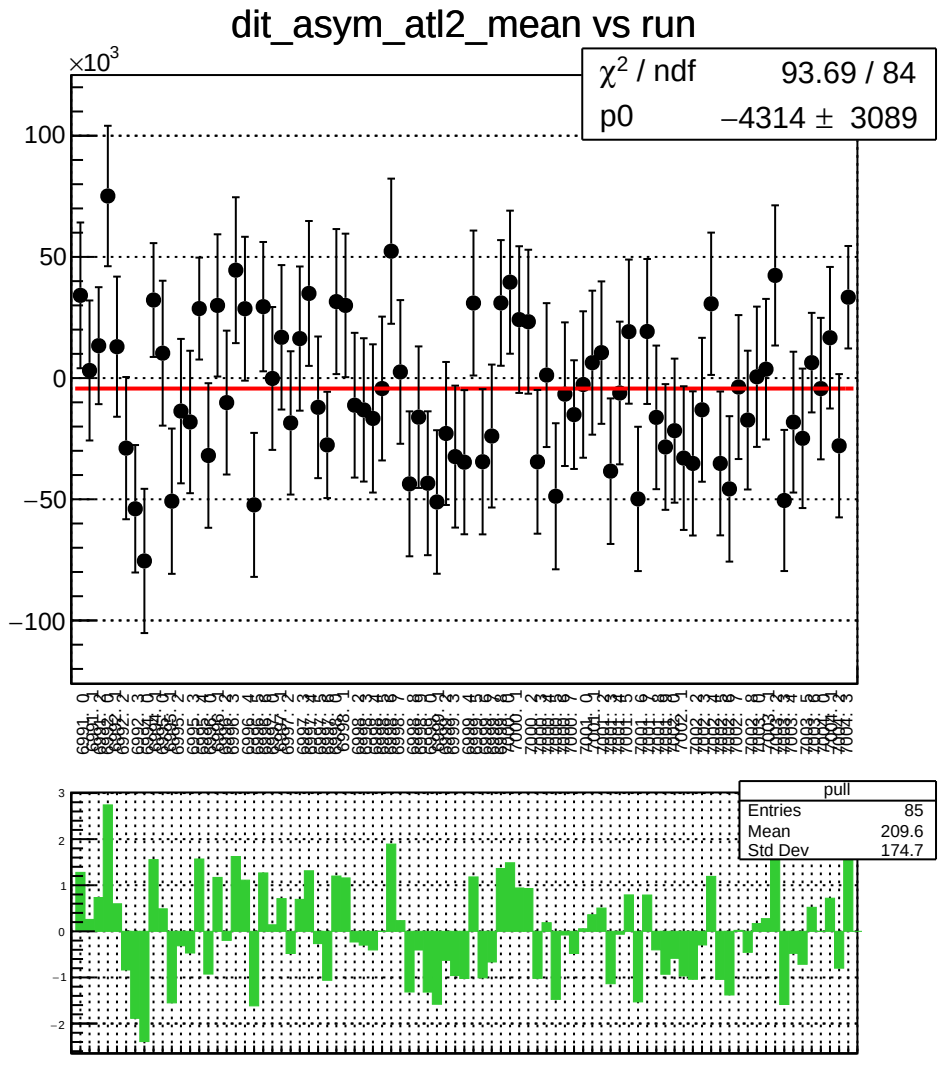

pull1D
Entries 85
Mean 0.03284
Std Dev 1.109
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

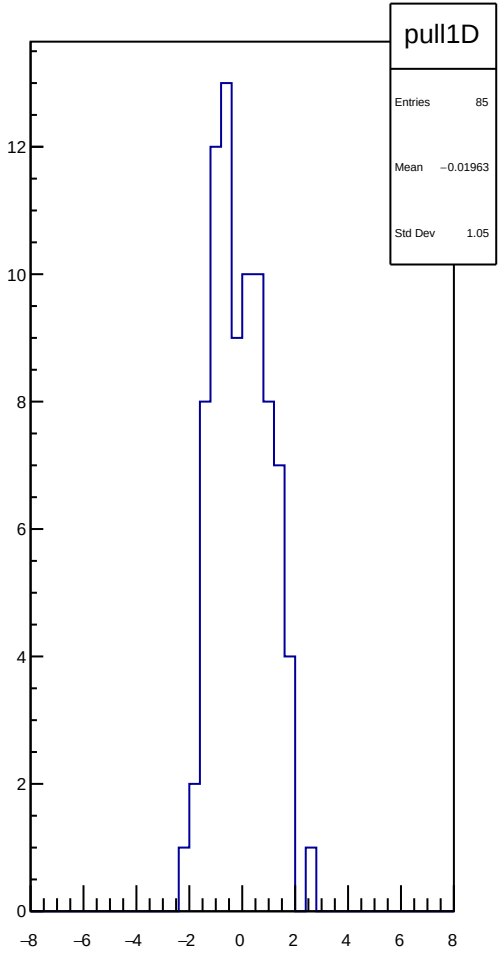

asym_atl1_correction_rms vs run
χ² / ndf 2567 / 84
p0 751.7 ± 0.5857
860
840
820
800
780
760
740
720
700
680
660

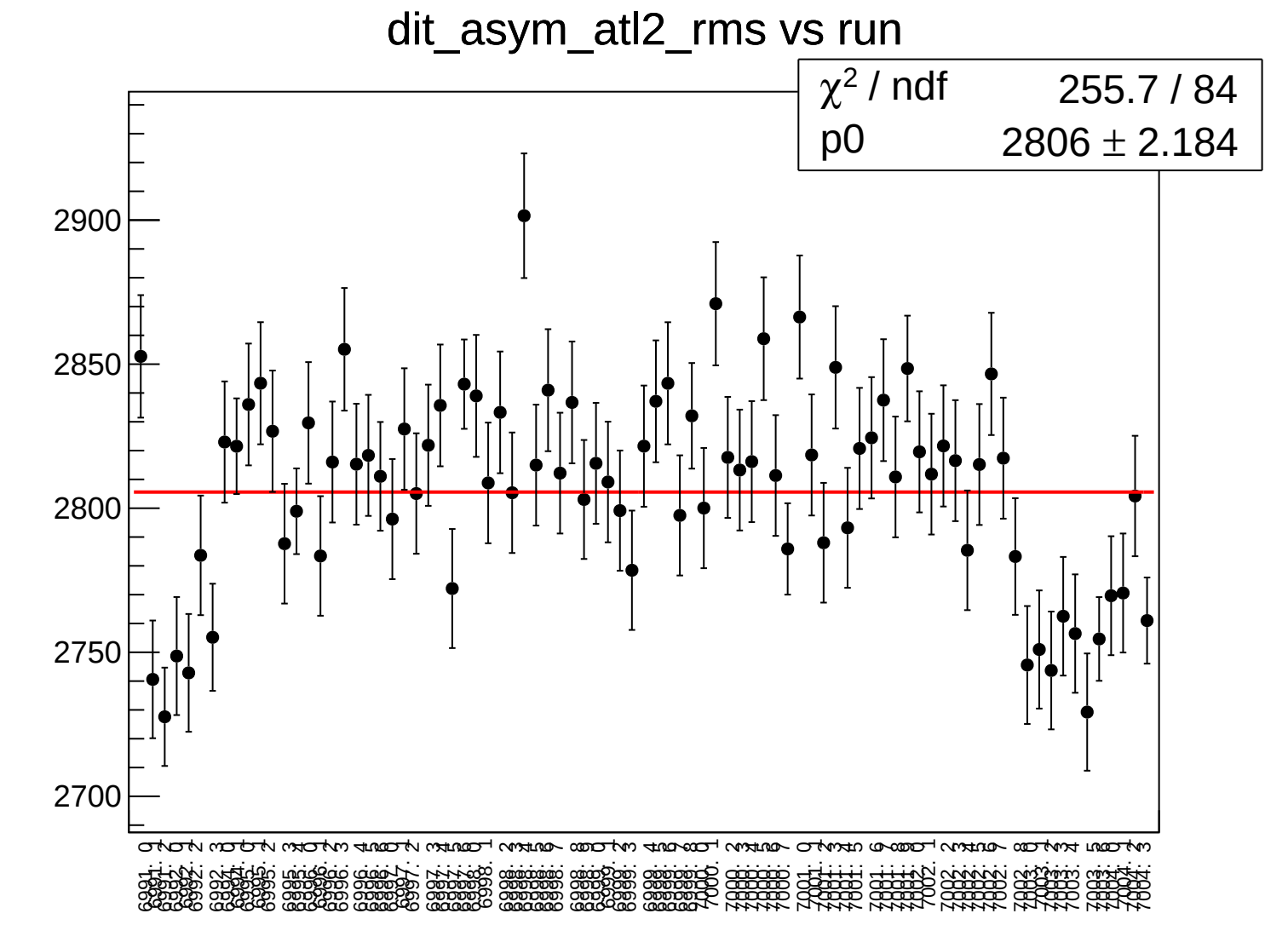

asym_atl1_mean vs run
×10^3
χ² / ndf 90.07 / 84
p0 −7628 ± 2933
100
50
0
−50
−100
−150
−200
−250
−300
pull
Entries 85
Mean −65.13
Std Dev 107
3
2
1
0
−1
−2

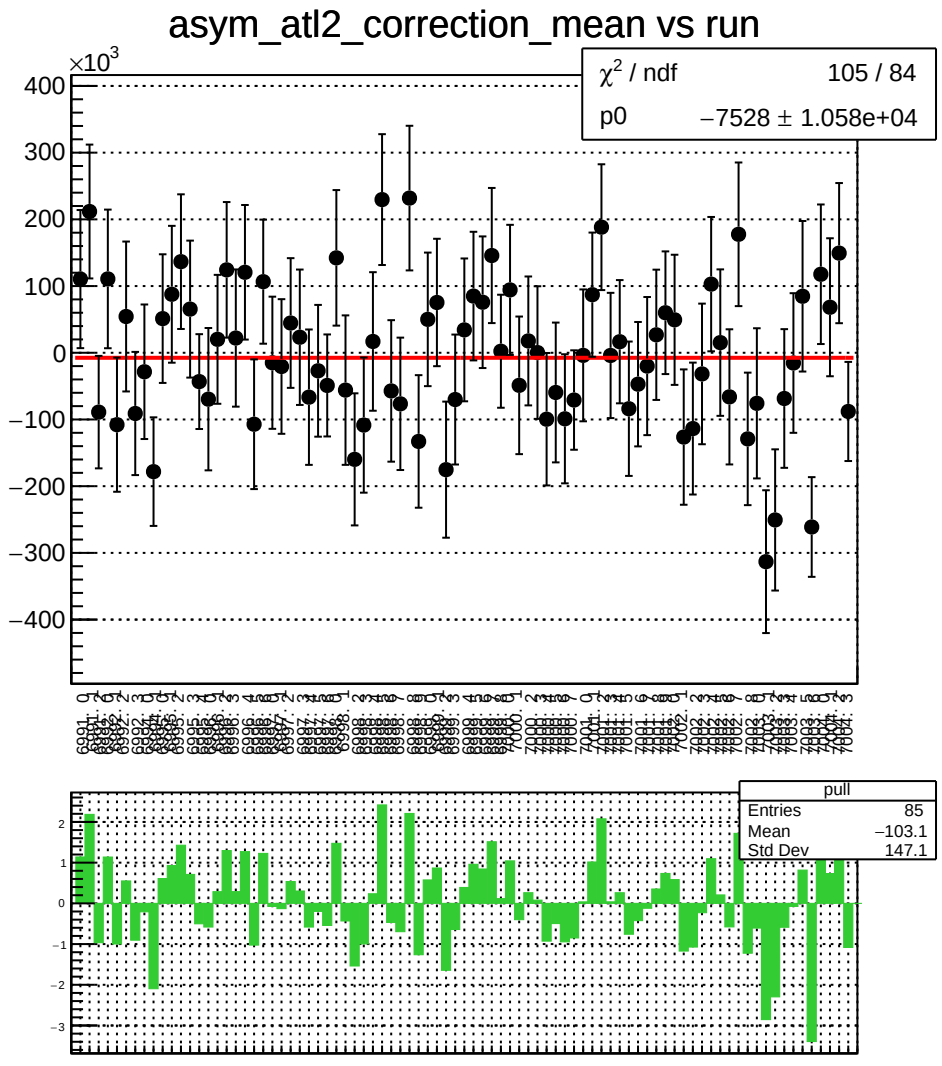

pull1D
Entries 85
Mean −0.04082
Std Dev 1.029
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

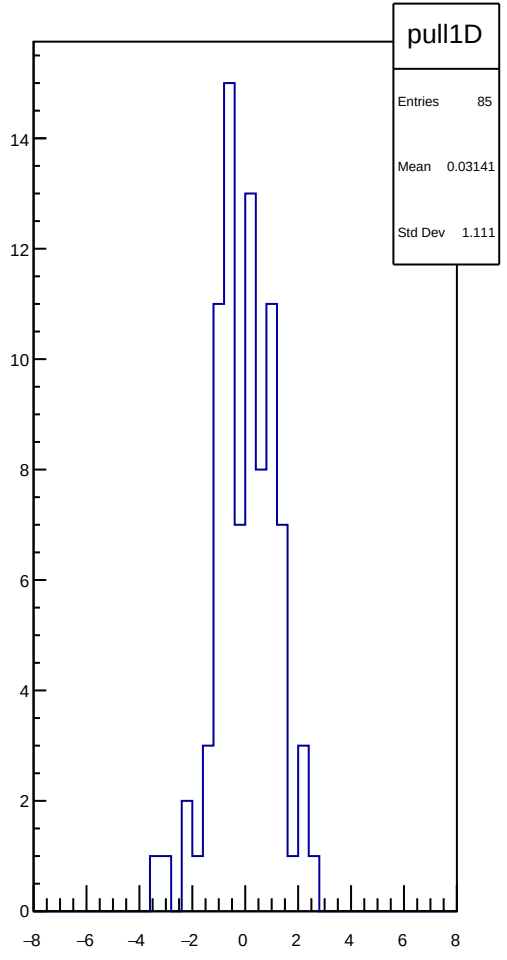

asym_atl1_rms vs run
χ² / ndf 4.947e+04 / 84
p0 2624 ± 2.074
10000
8000
6000
4000
2000

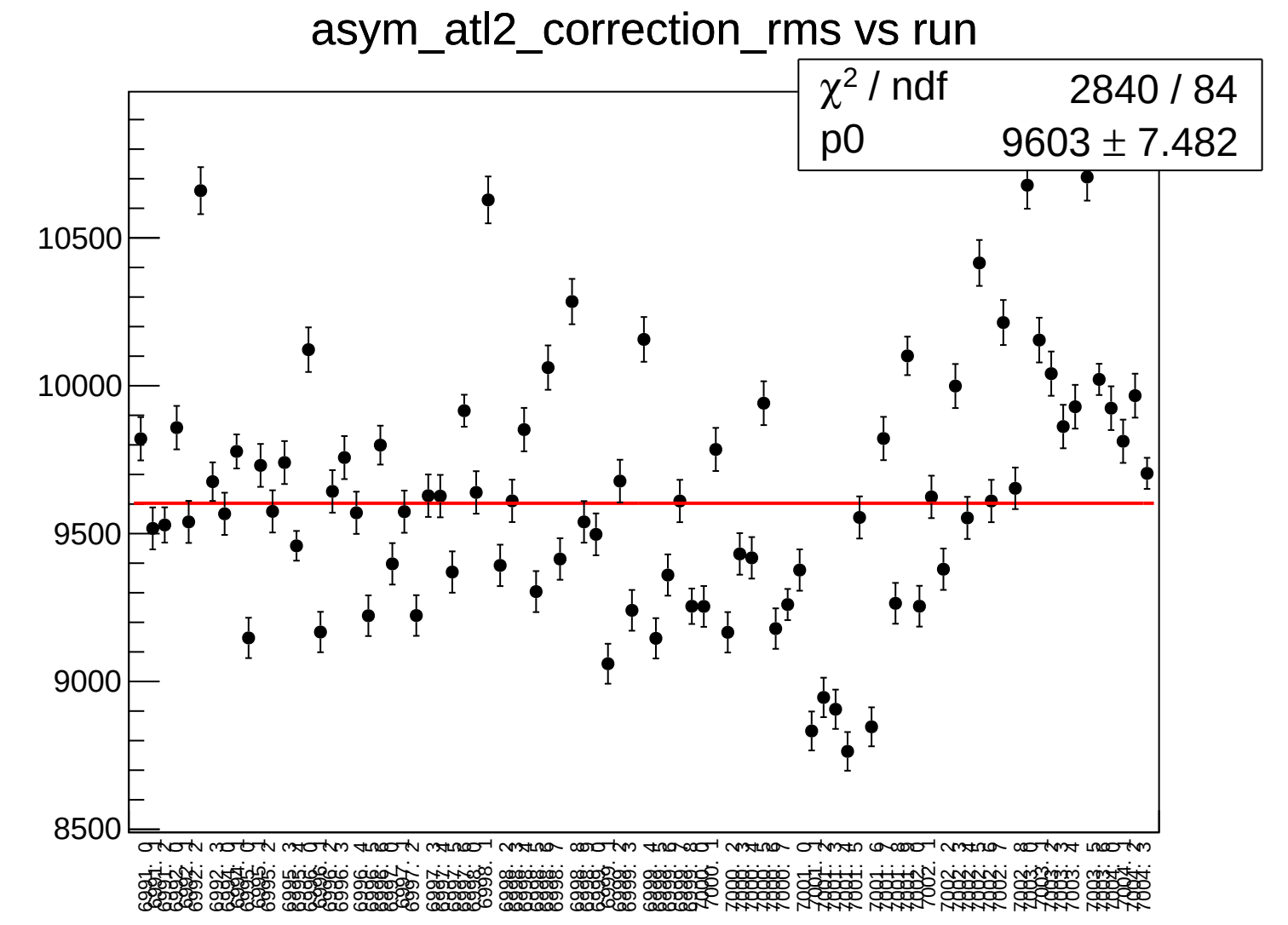

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 93.69 / 84
p0 −4314 ± 3089
100
50
0
−50
−100
pull
Entries 85
Mean 209.6
Std Dev 174.7
3
2
1
0
−1
−2

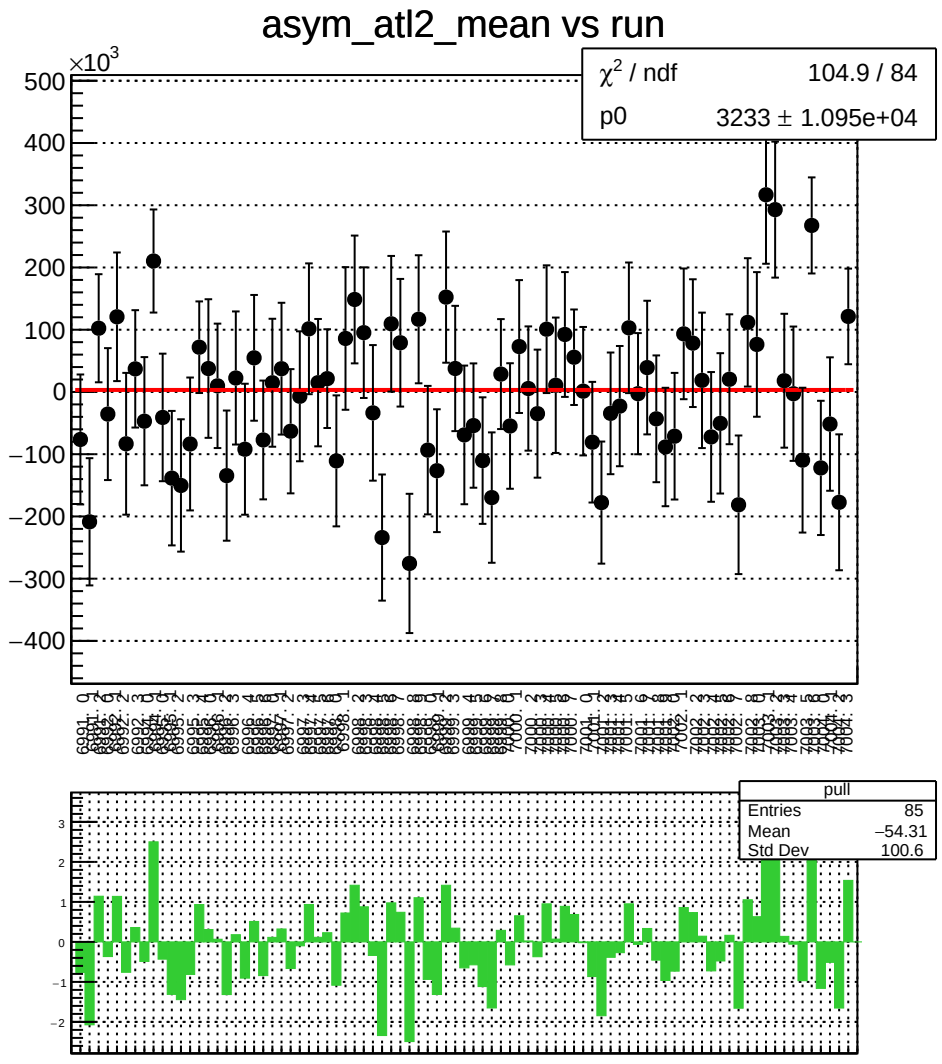

pull1D
Entries 85
Mean −0.01963
Std Dev 1.05
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

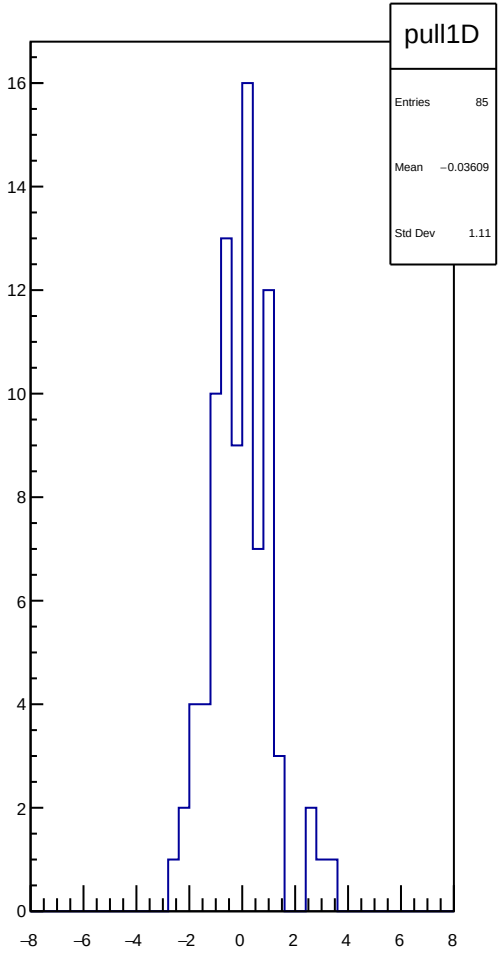

dit_asym_atl2_rms vs run
χ² / ndf 255.7 / 84
p0 2806 ± 2.184
2900
2850
2800
2750
2700

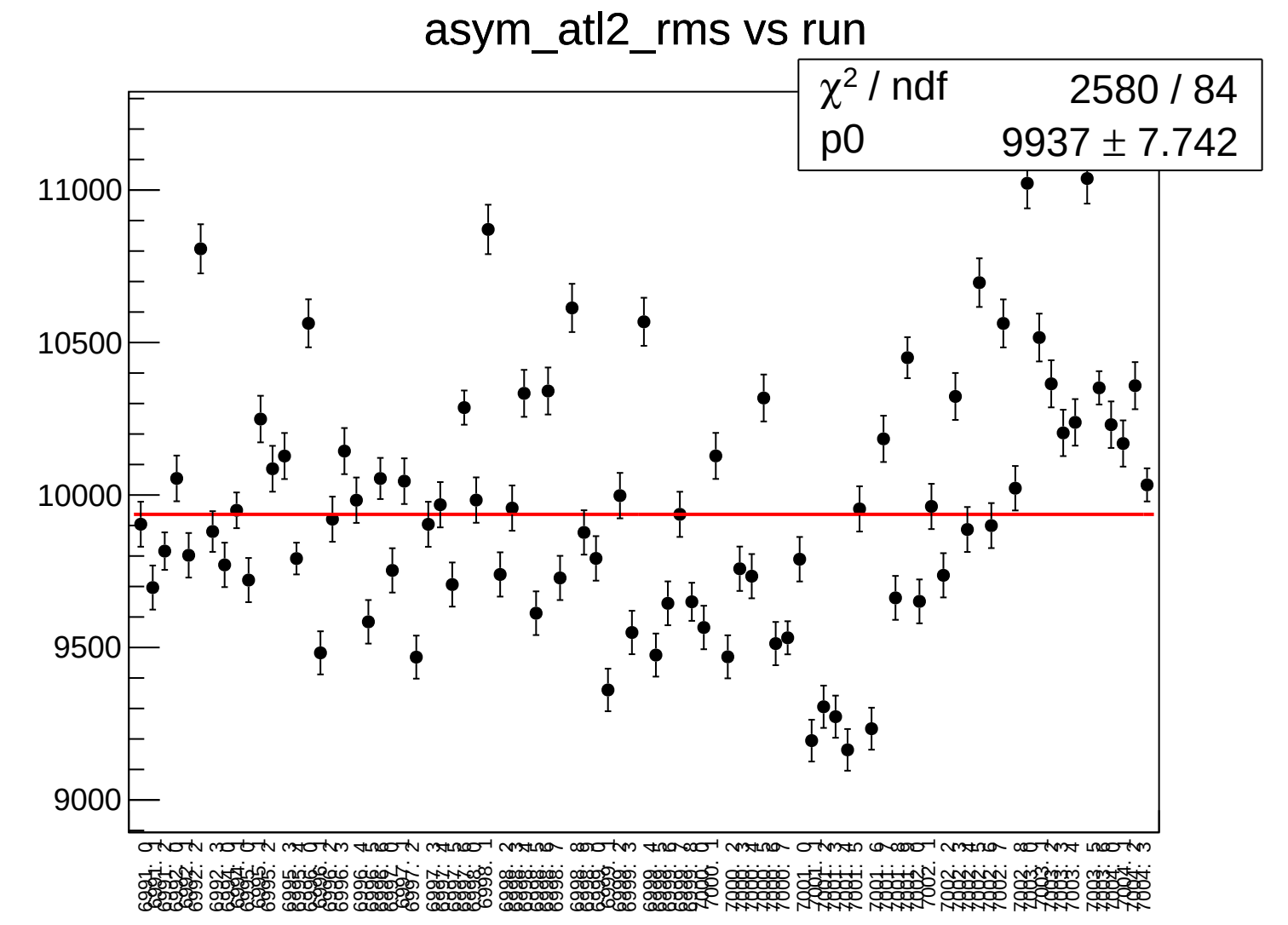

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 105 / 84
p0 −7528 ± 1.058e+04
pull
Entries 85
Mean −103.1
Std Dev 147.1

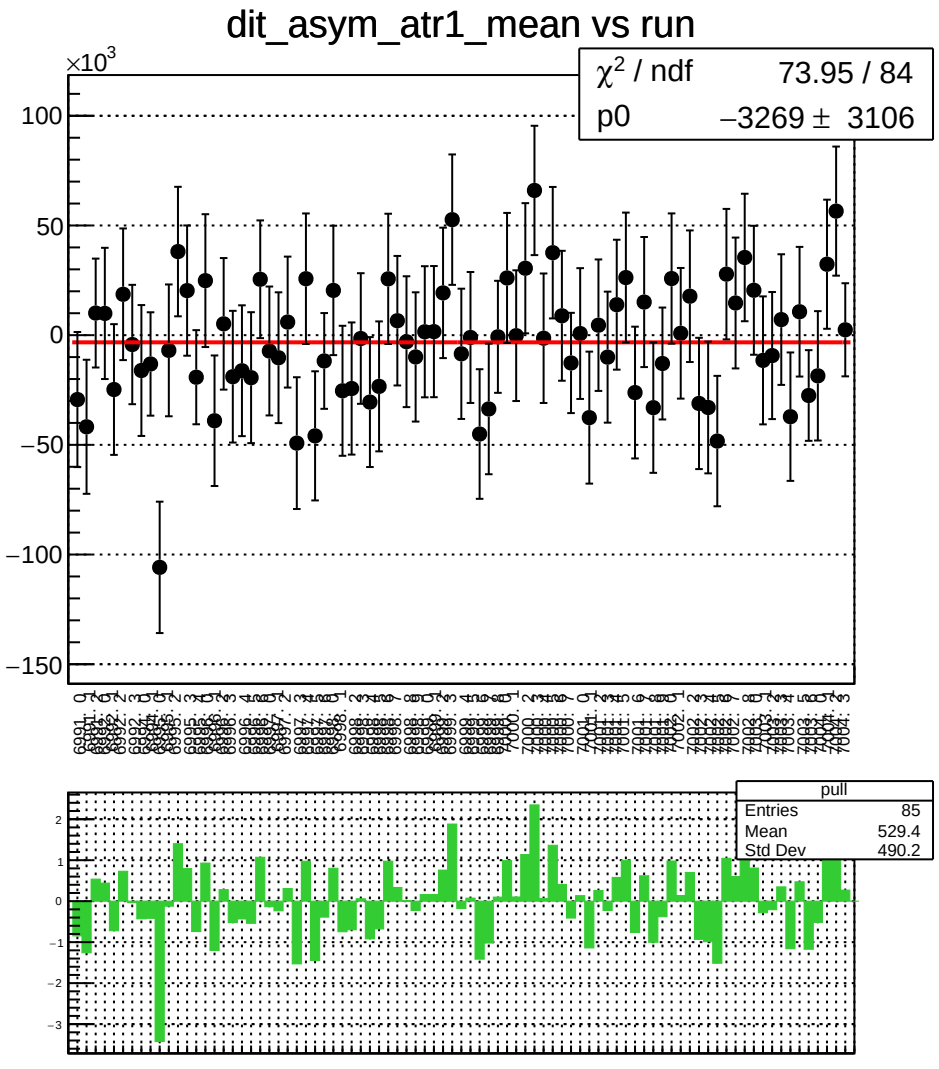

pull1D
Entries 85
Mean 0.03141
Std Dev 1.111

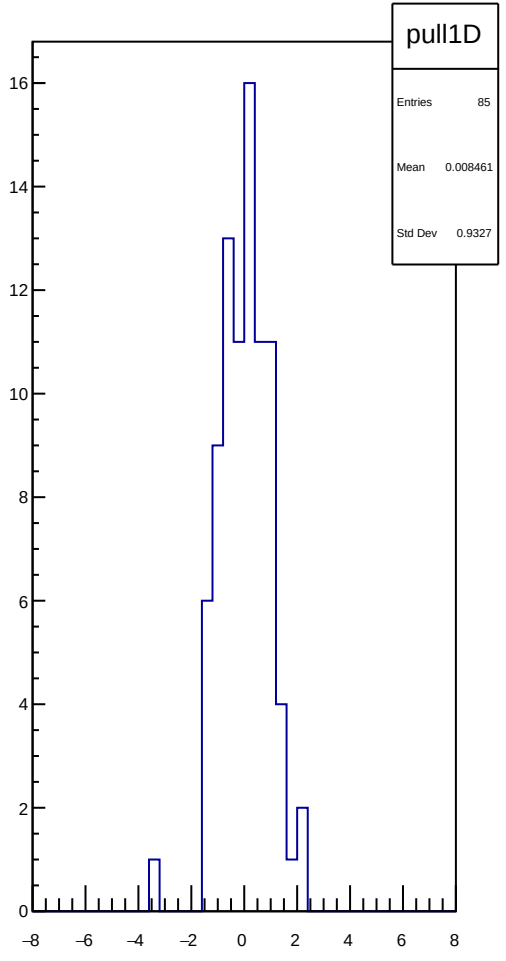

asym_atl2_correction_rms vs run
χ² / ndf 2840 / 84
p0 9603 ± 7.482
10500
10000
9500
9000
8500

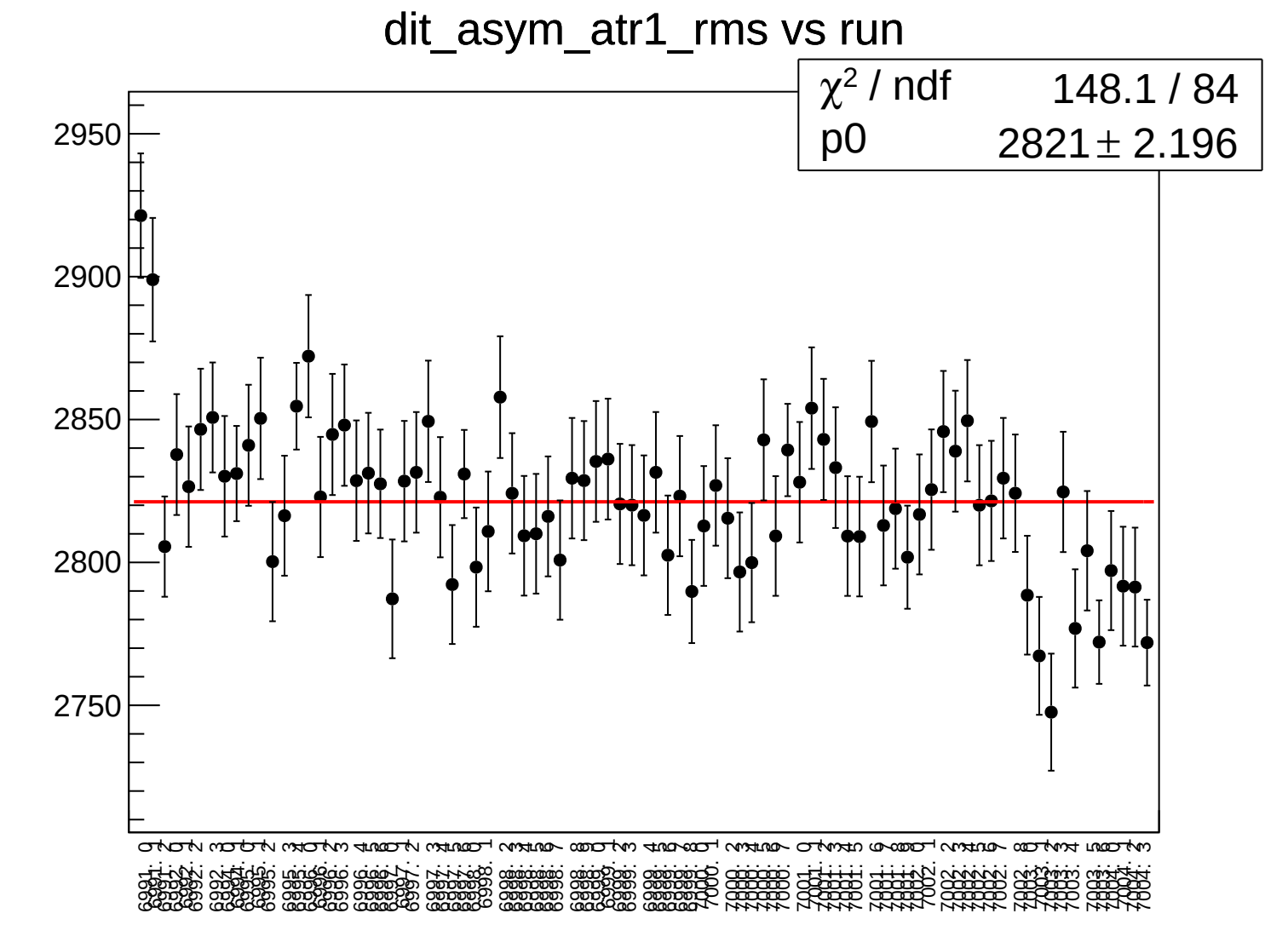

asym_atl2_mean vs run
×10^3
χ² / ndf 104.9 / 84
p0 3233 ± 1.095e+04
pull
Entries 85
Mean −54.31
Std Dev 100.6

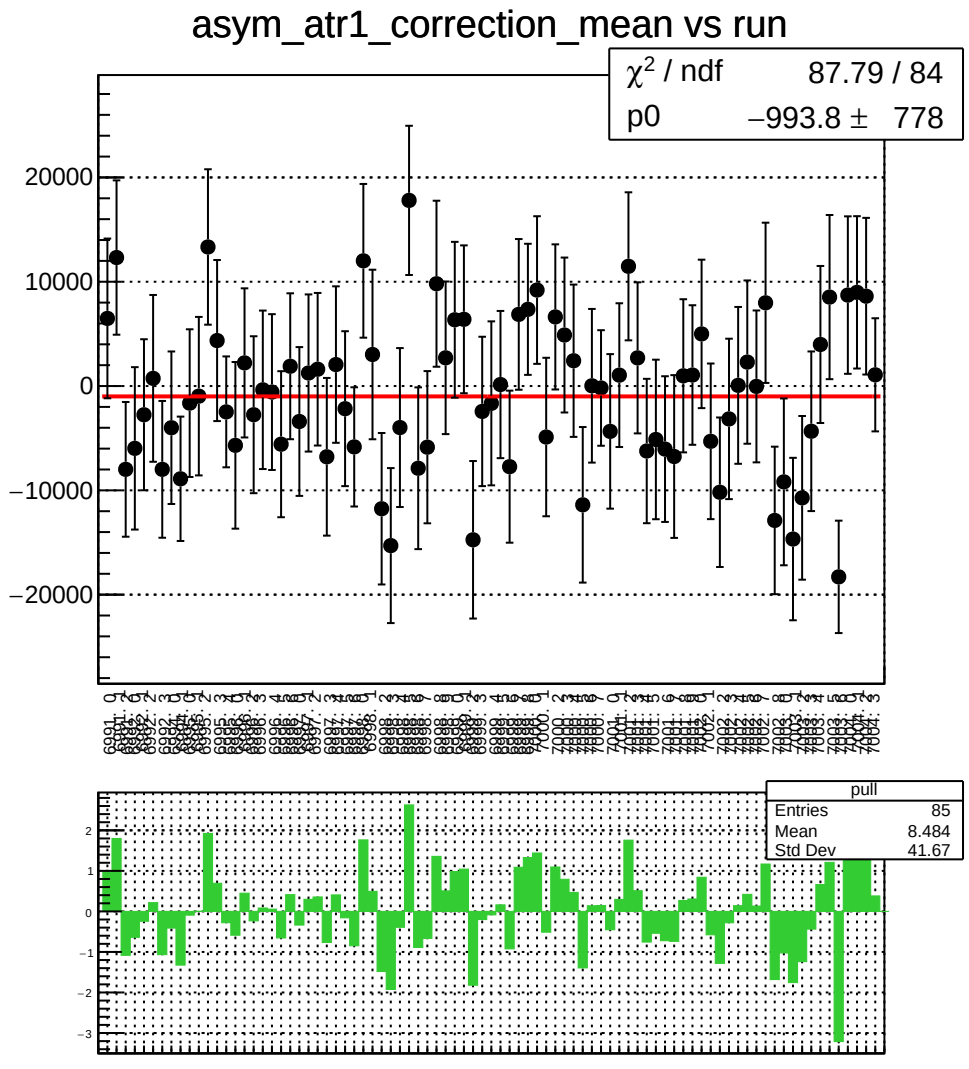

pull1D
Entries 85
Mean −0.03609
Std Dev 1.11

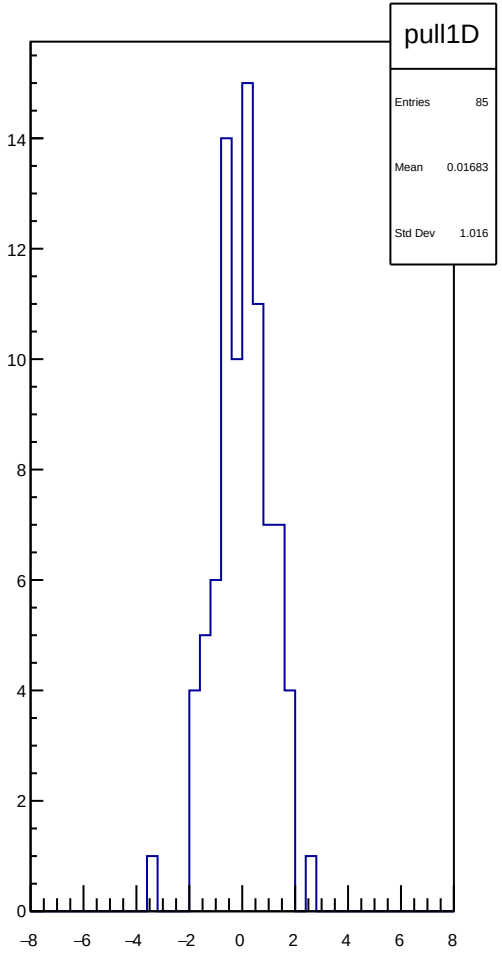

asym_atl2_rms vs run
χ² / ndf 2580 / 84
p0 9937 ± 7.742
11000
10500
10000
9500
9000

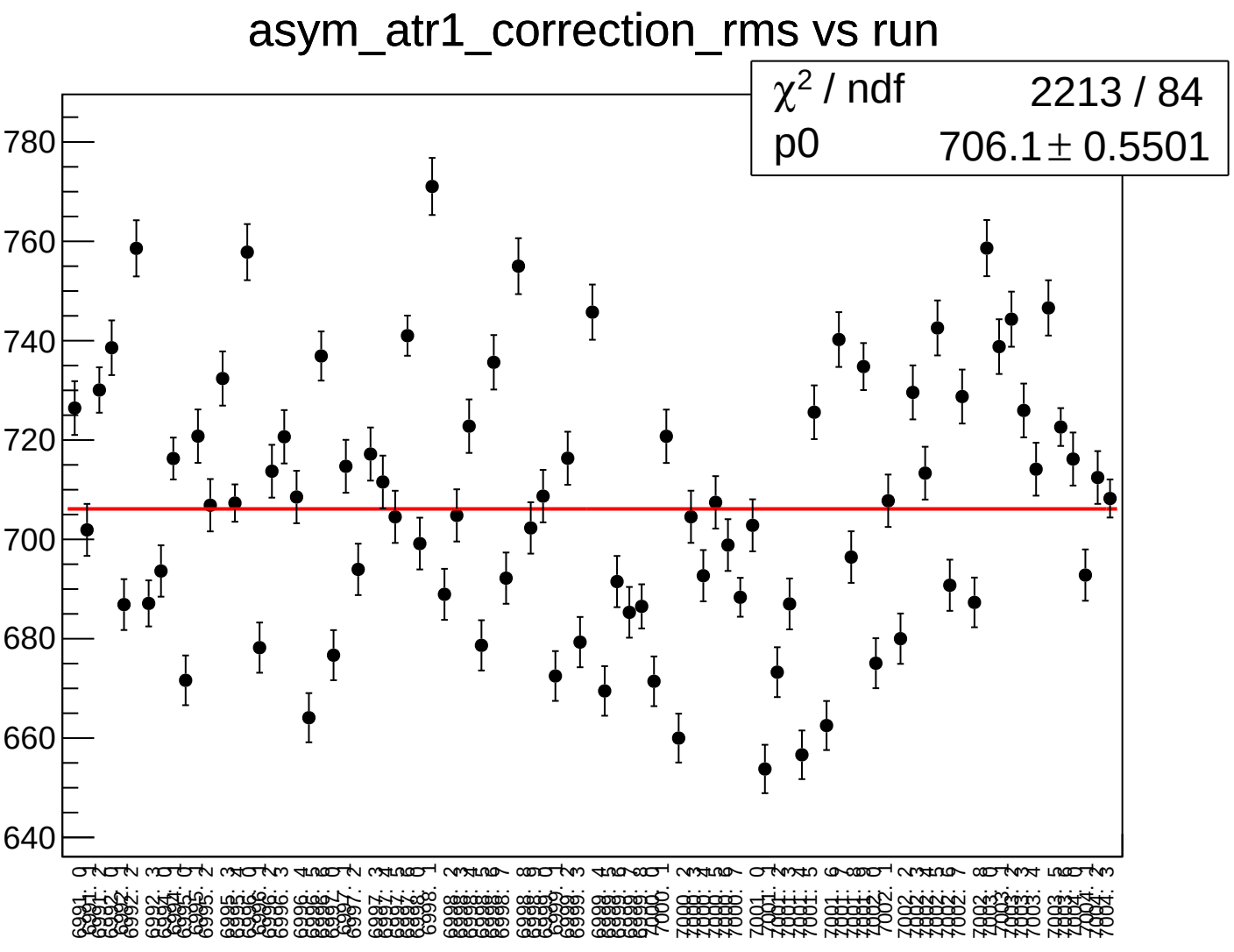

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 73.95 / 84
p0 −3269 ± 3106
100
50
0
−50
−100
−150
pull
Entries 85
Mean 529.4
Std Dev 490.2
2
1
0
−1
−2
−3

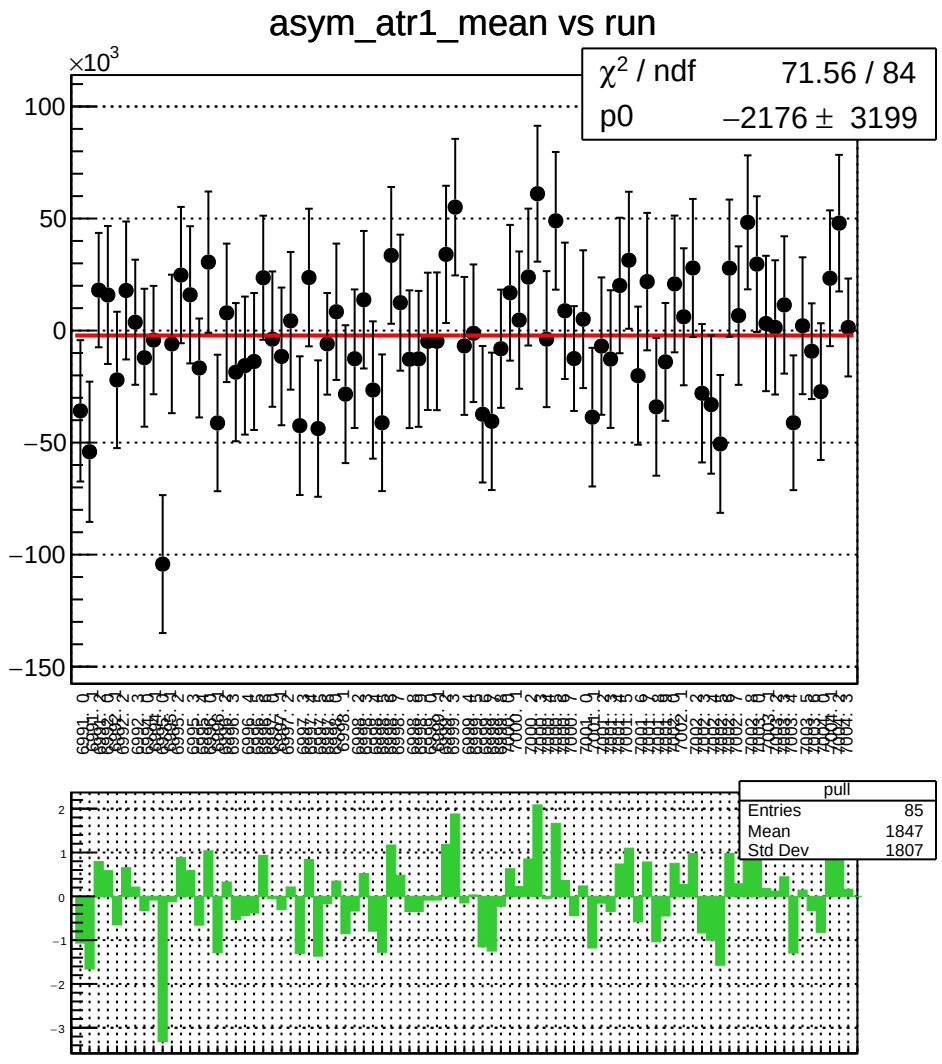

pull1D
Entries 85
Mean 0.008461
Std Dev 0.9327
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

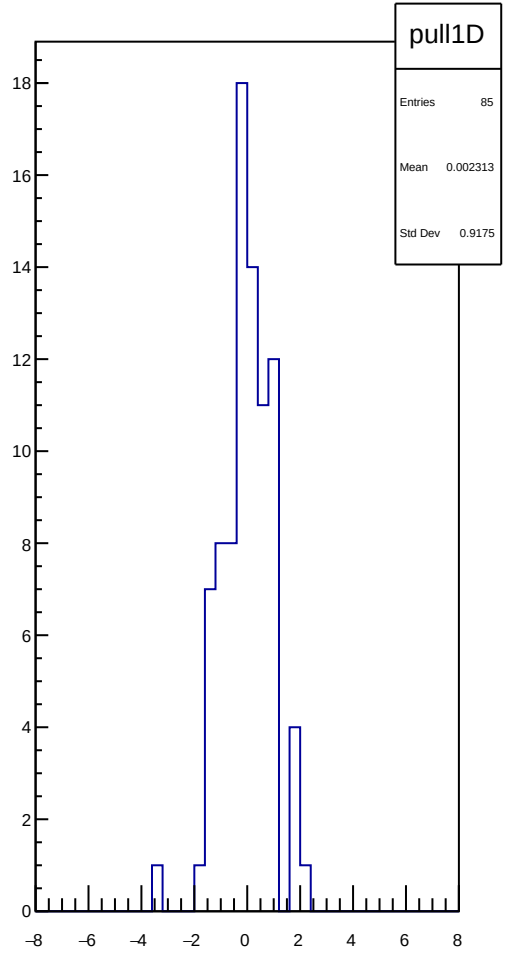

dit_asym_atr1_rms vs run
χ^2 / ndf 148.1 / 84
p0 2821 ± 2.196
2950
2900
2850
2800
2750

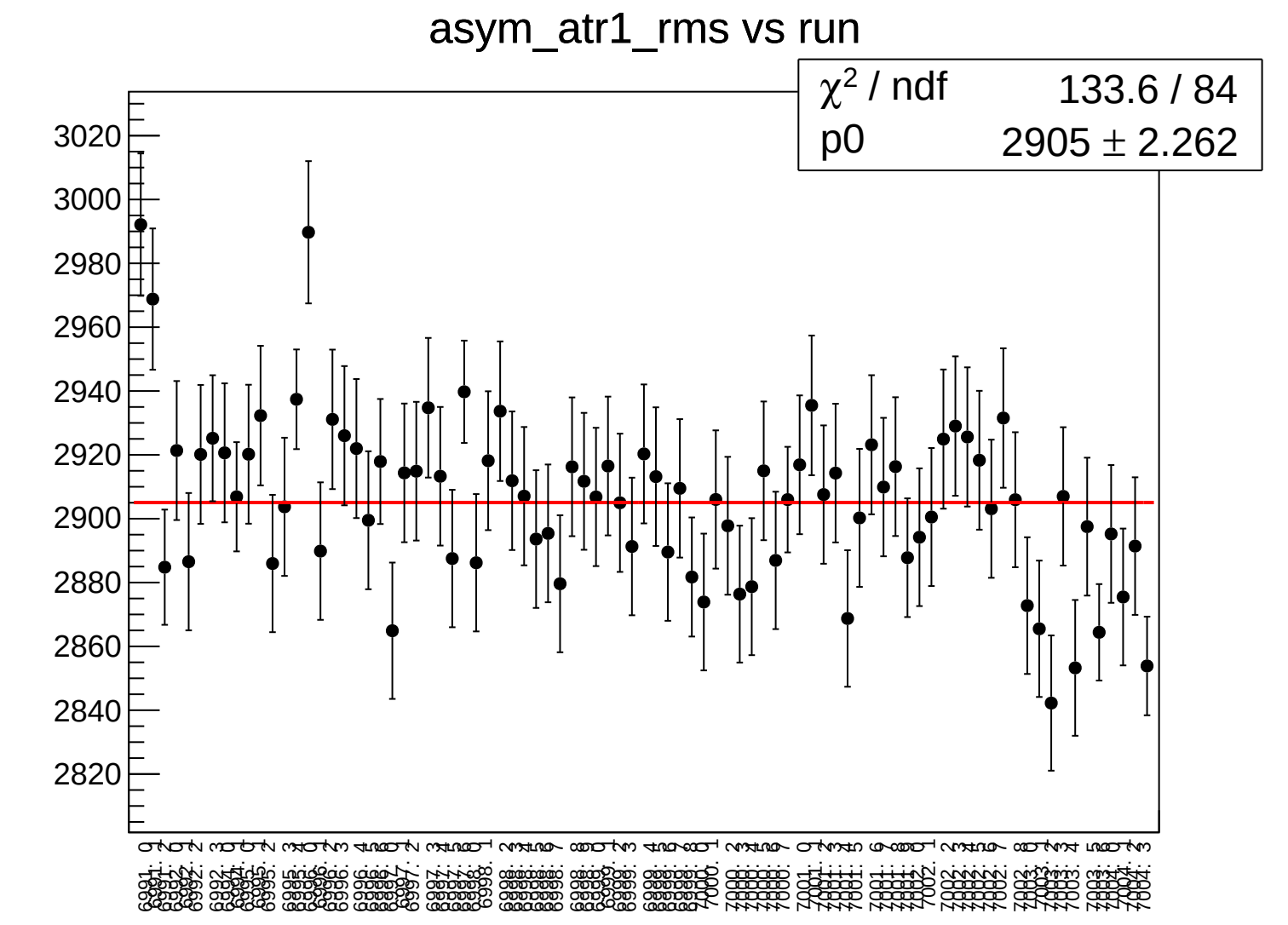

asym_atr1_correction_mean vs run
χ² / ndf 87.79 / 84
p0 −993.8 ± 778
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 8.484
Std Dev 41.67
2
1
0
−1
−2
−3

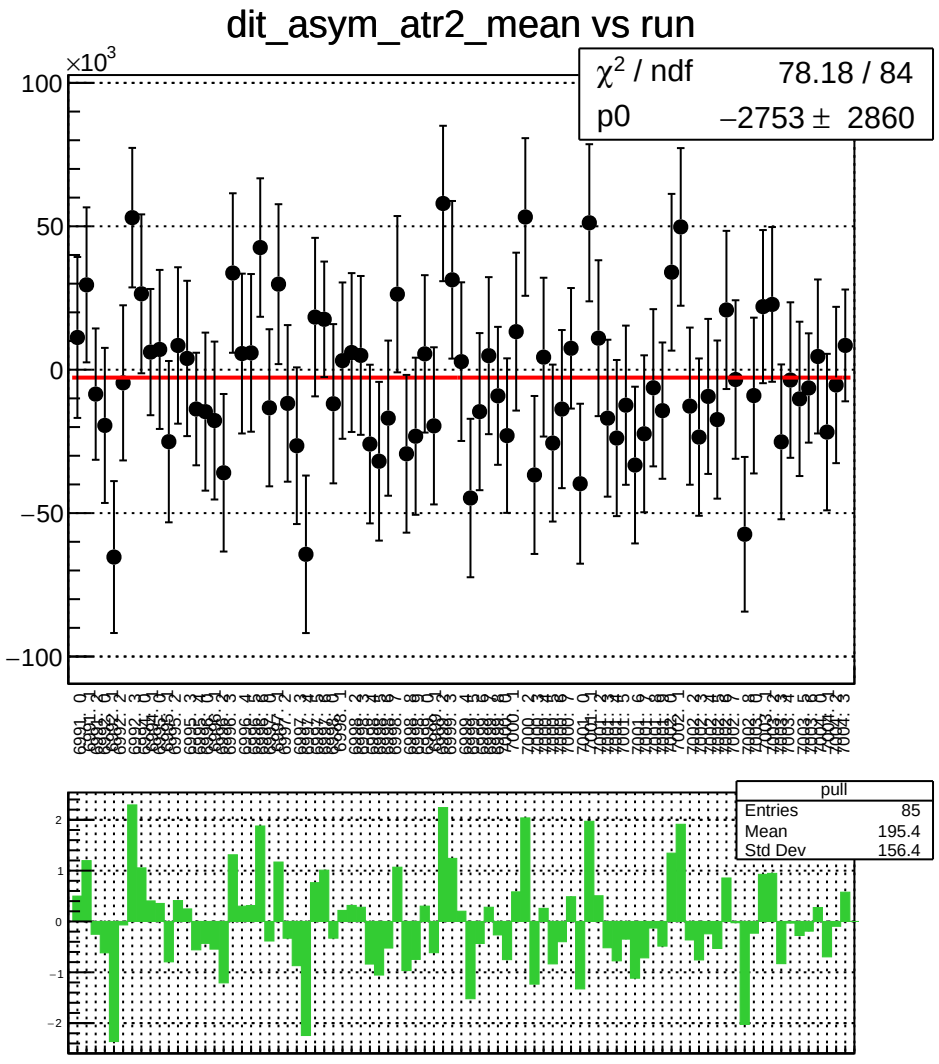

pull1D
Entries 85
Mean 0.01683
Std Dev 1.016
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

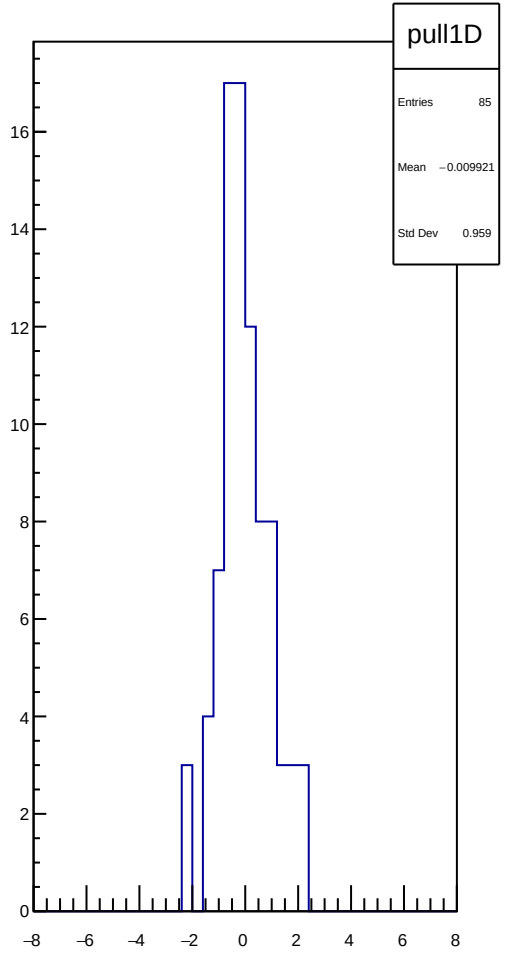

asym_atr1_correction_rms vs run
χ² / ndf 2213 / 84
p0 706.1 ± 0.5501
780
760
740
720
700
680
660
640

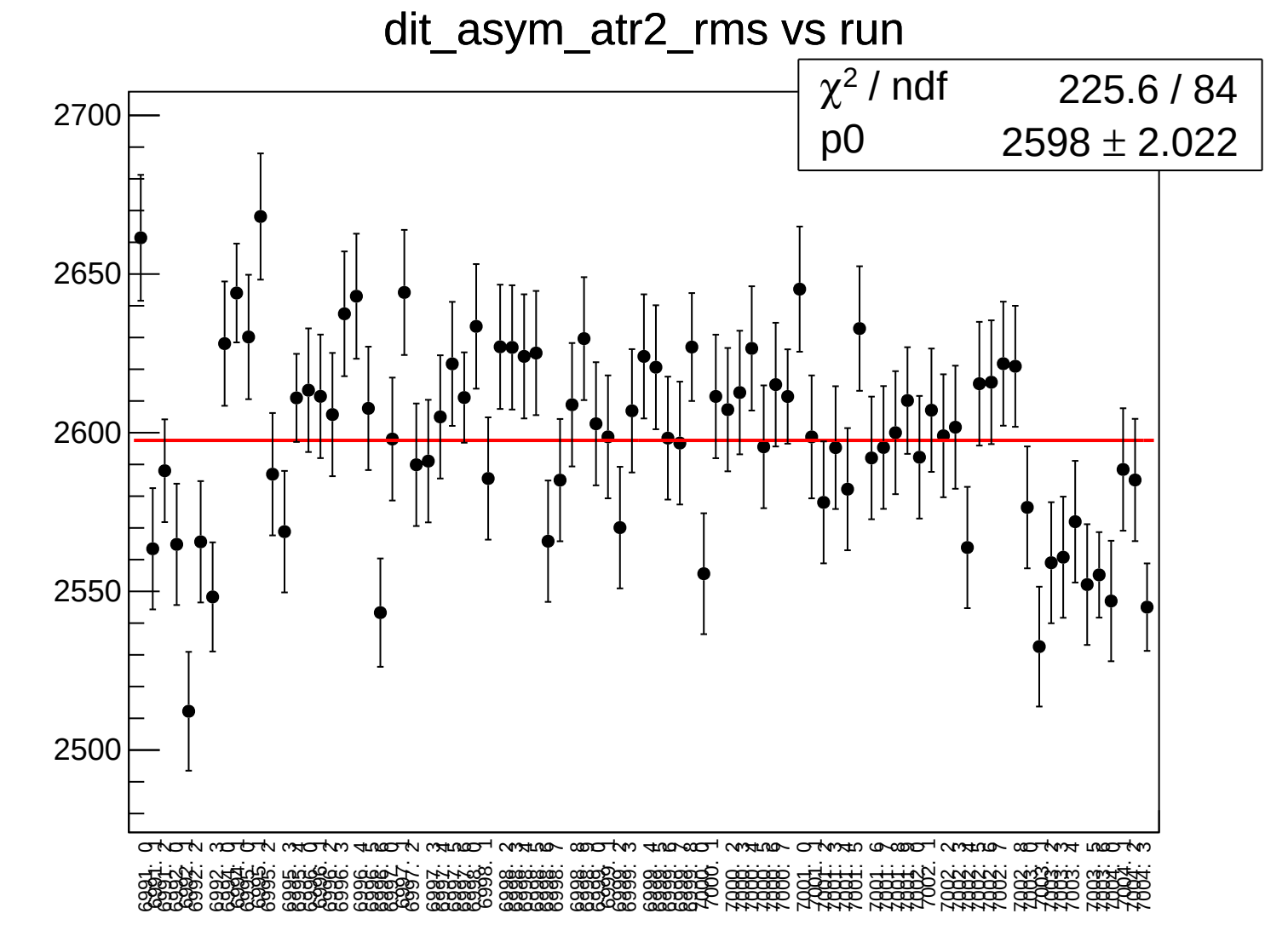

asym_atr1_mean vs run
×10^3
χ² / ndf 71.56 / 84
p0 −2176 ± 3199
100
50
0
−50
−100
−150
pull
Entries 85
Mean 1847
Std Dev 1807
2
1
0
−1
−2
−3

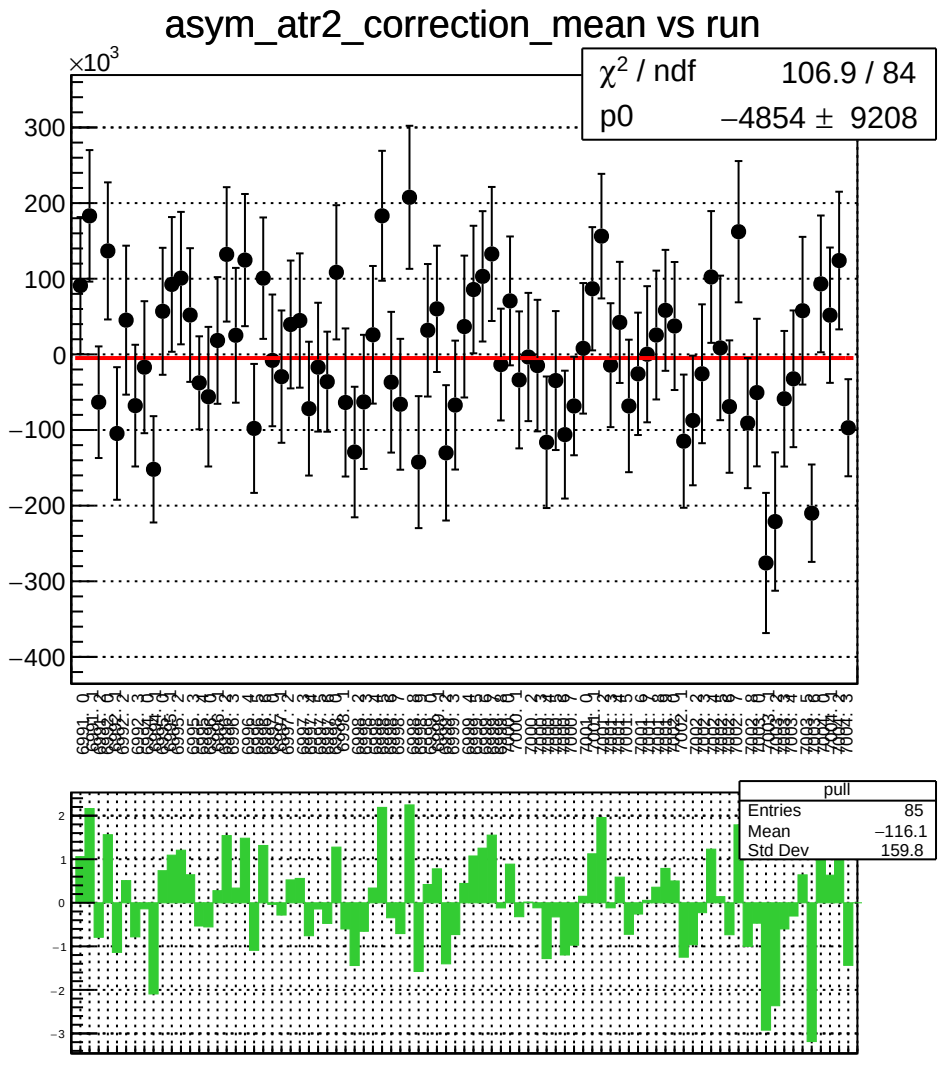

pull1D
Entries 85
Mean 0.002313
Std Dev 0.9175
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

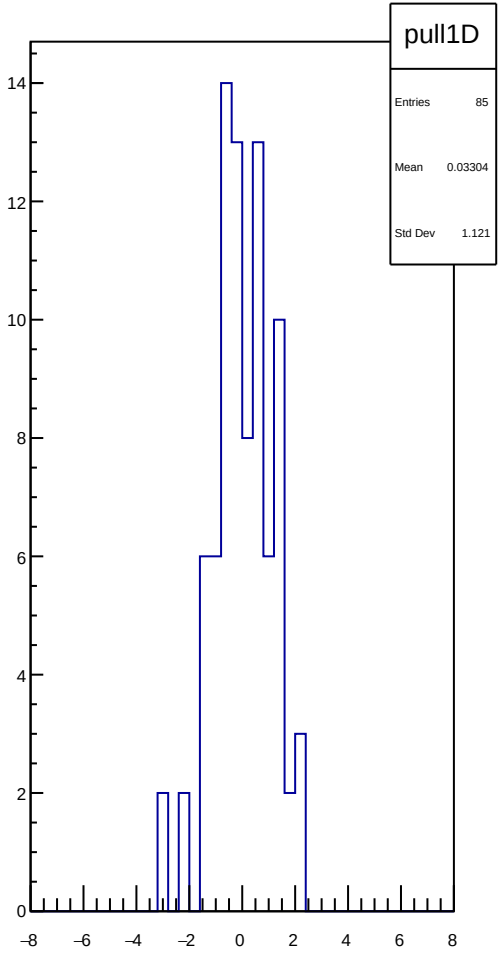

asym_atr1_rms vs run
χ^2 / ndf 133.6 / 84
p0 2905 ± 2.262
3020
3000
2980
2960
2940
2920
2900
2880
2860
2840
2820

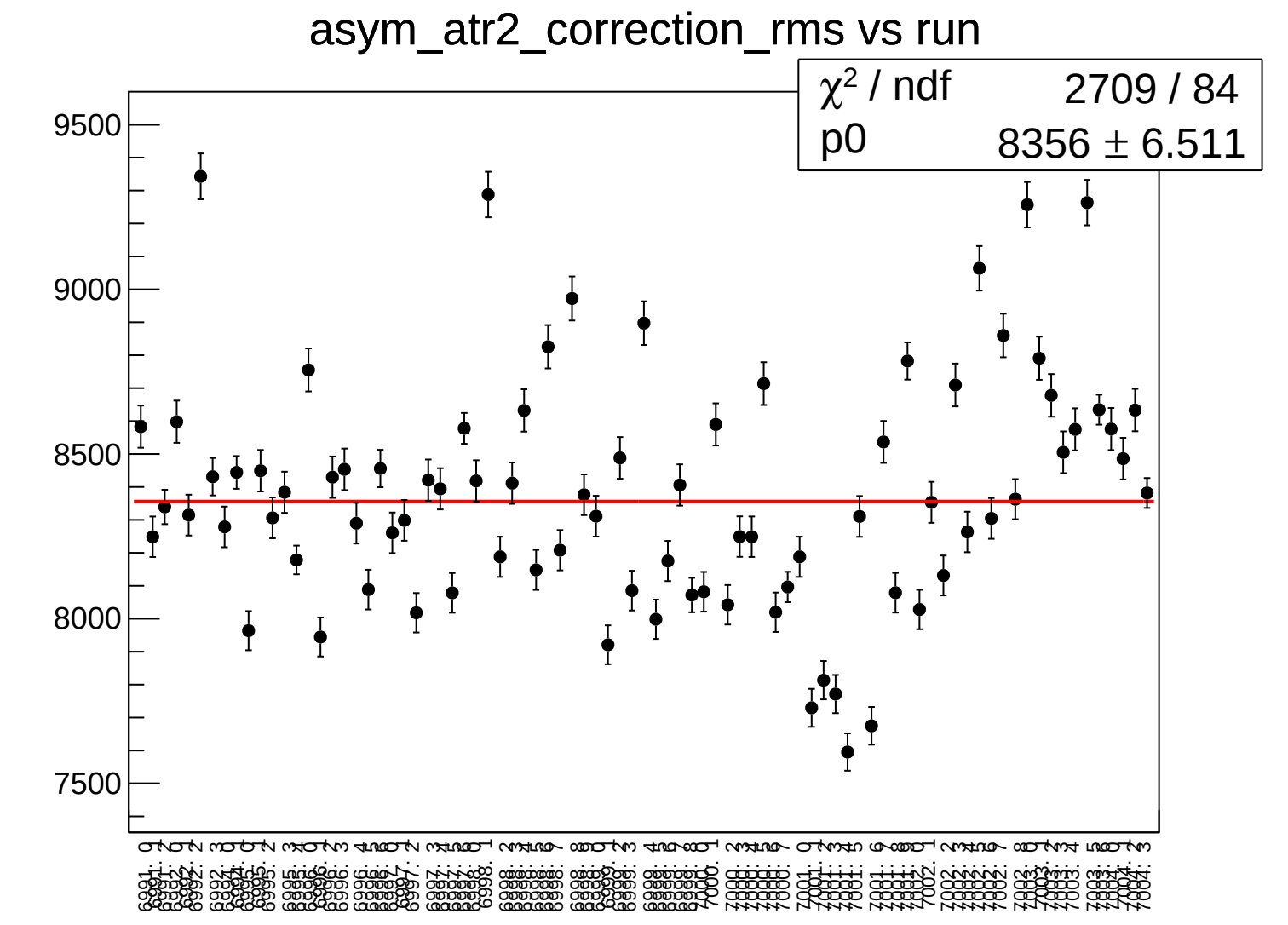

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 78.18 / 84
p0 −2753 ± 2860
100
50
0
−50
−100
pull
Entries 85
Mean 195.4
Std Dev 156.4
2
1
0
−1
−2

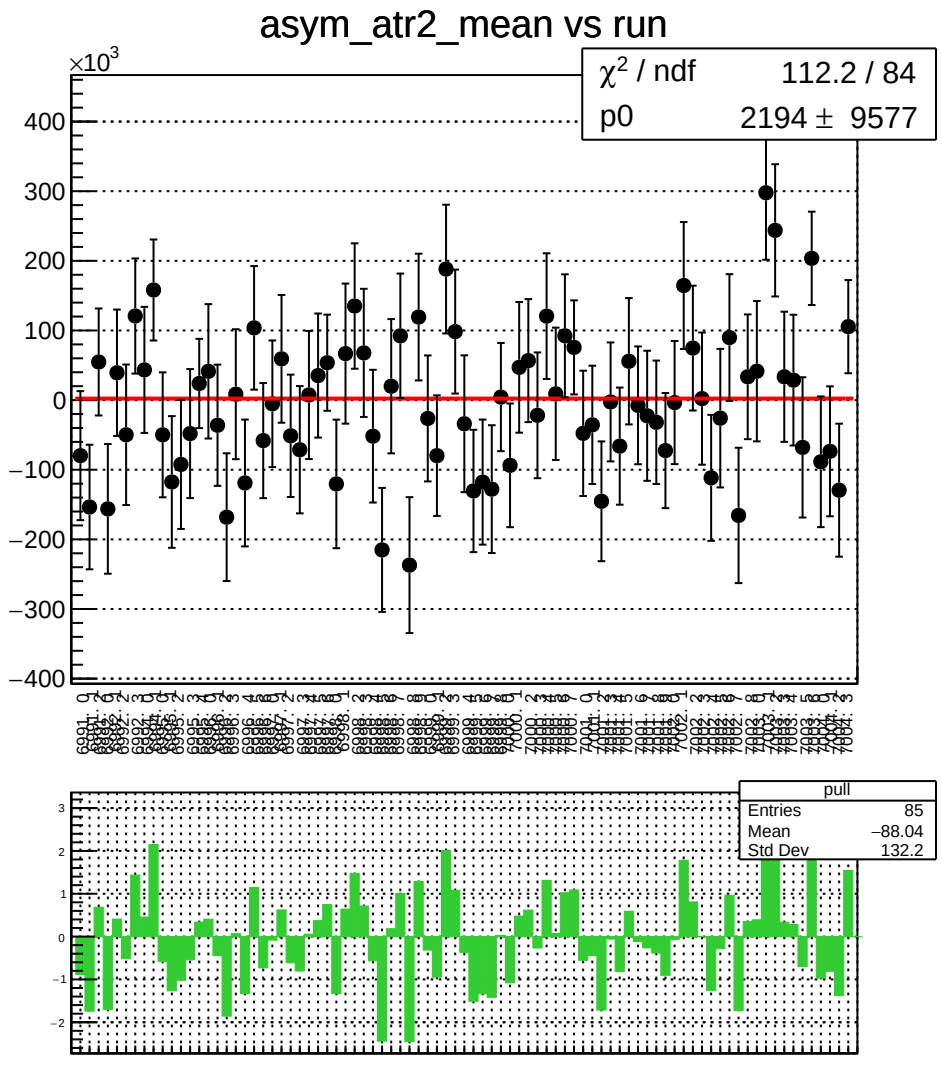

pull1D
Entries 85
Mean −0.009921
Std Dev 0.959
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

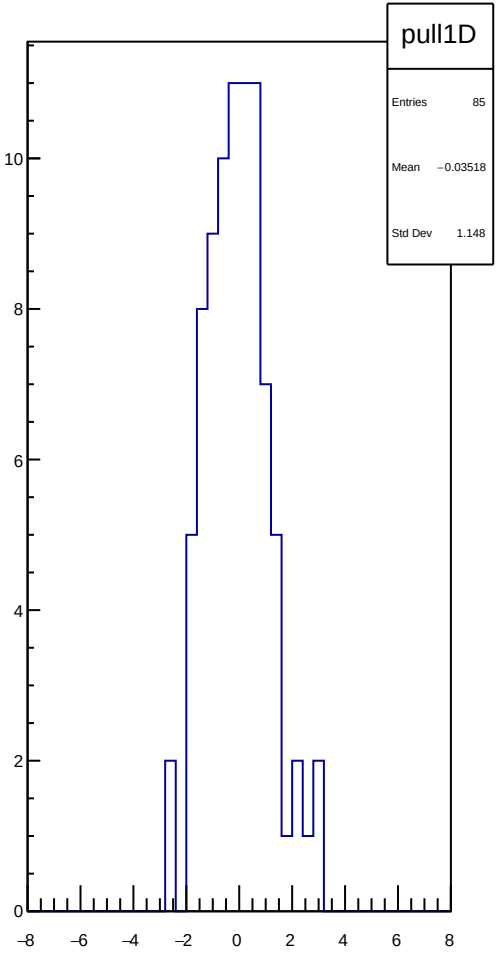

dit_asym_atr2_rms vs run
χ² / ndf 225.6 / 84
p0 2598 ± 2.022
2700
2650
2600
2550
2500

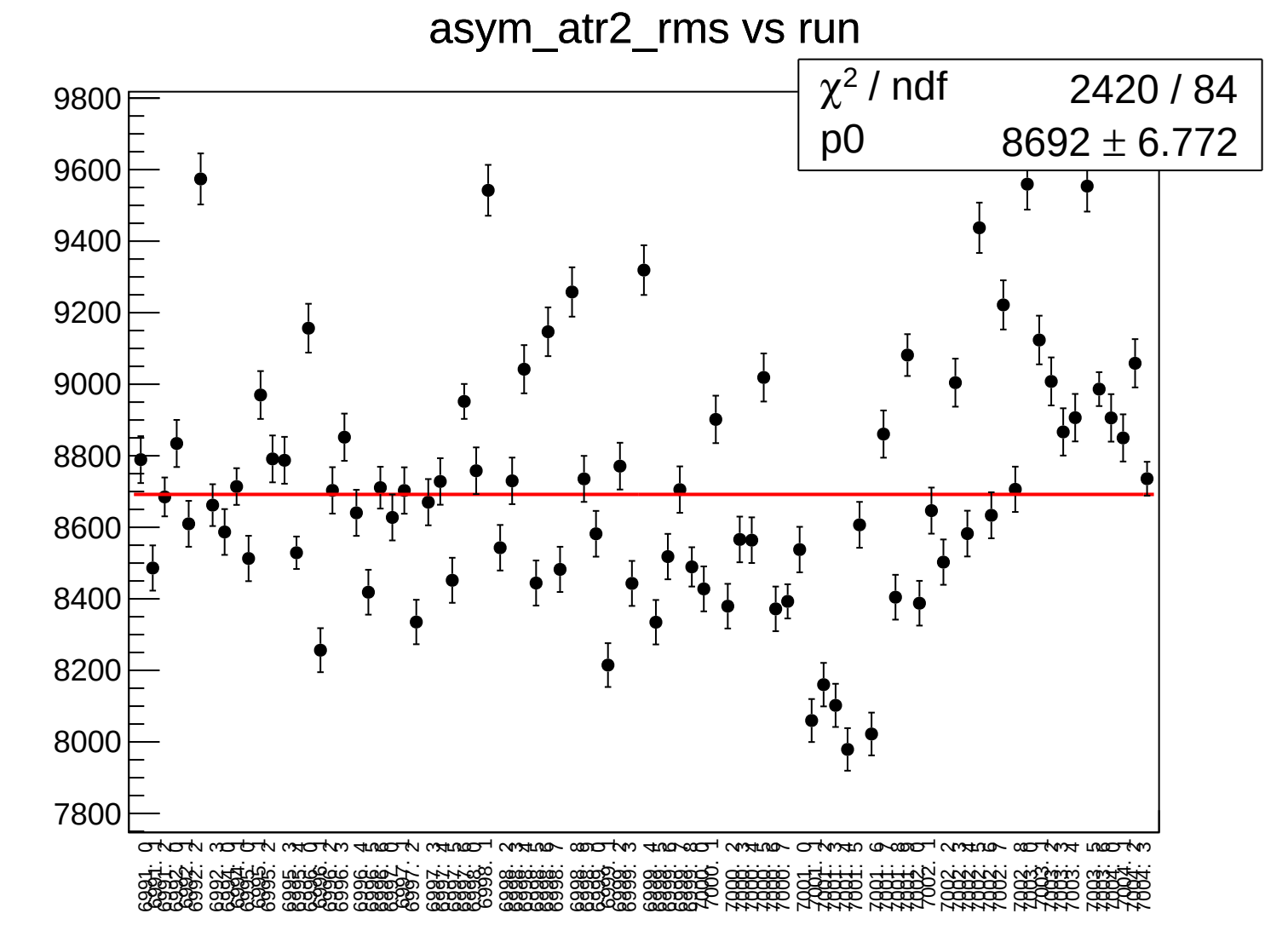

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 106.9 / 84
p0 −4854 ± 9208
300
200
100
0
−100
−200
−300
−400
pull
Entries 85
Mean −116.1
Std Dev 159.8
2
1
0
−1
−2
−3

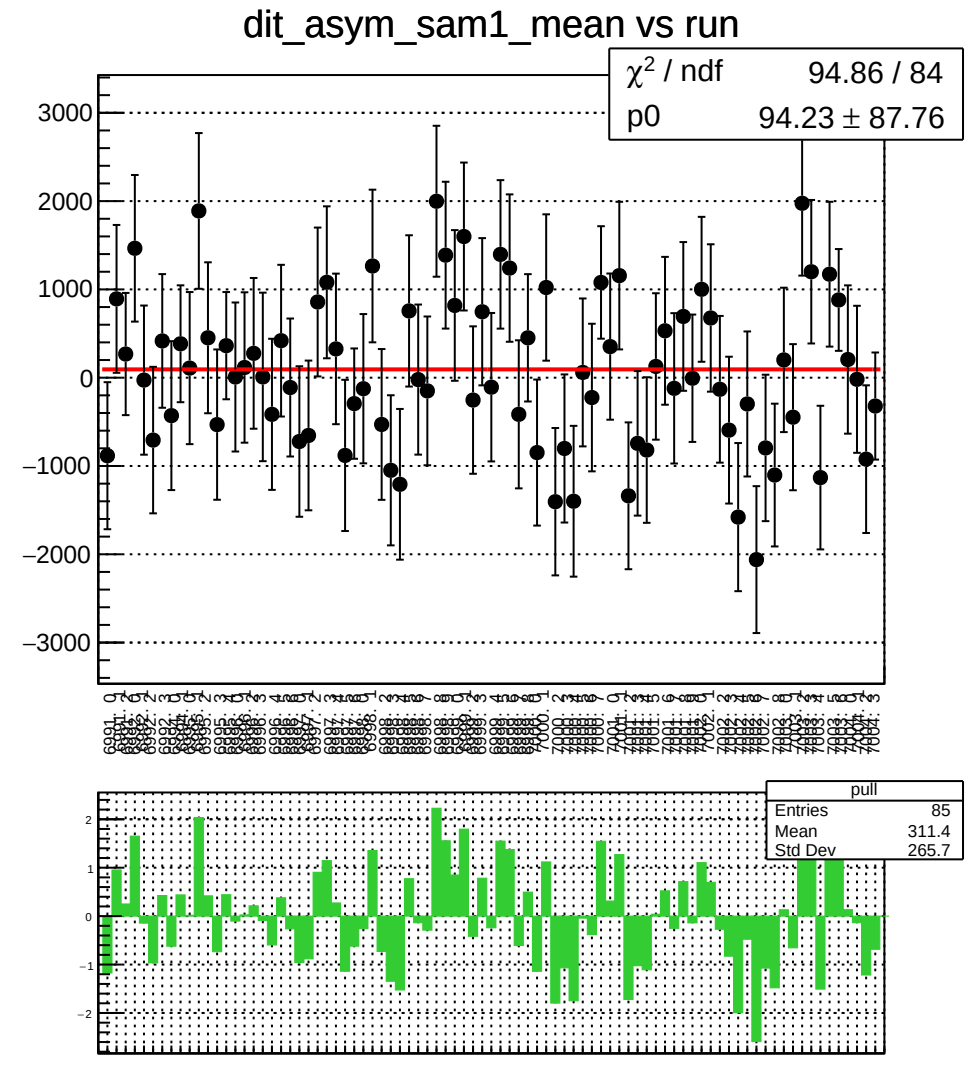

pull1D
Entries 85
Mean 0.03304
Std Dev 1.121
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

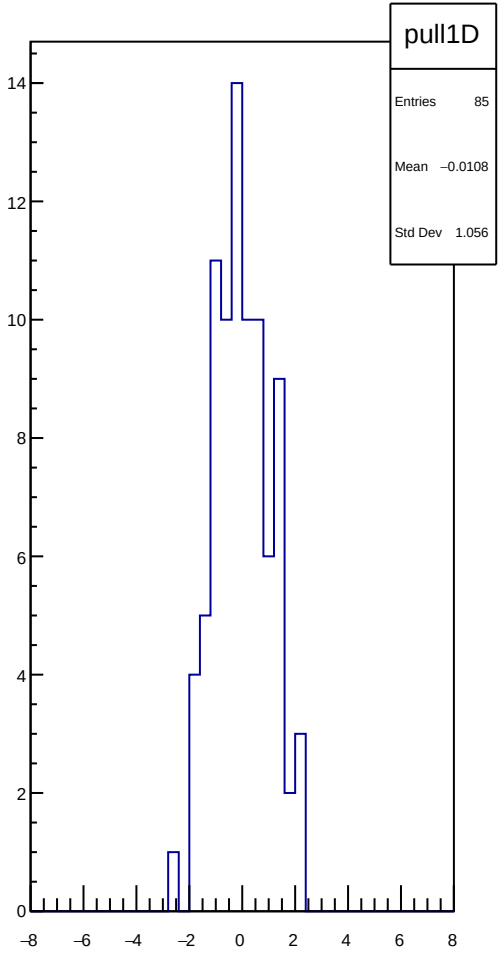

asym_atr2_correction_rms vs run
χ² / ndf 2709 / 84
p0 8356 ± 6.511
9500
9000
8500
8000
7500

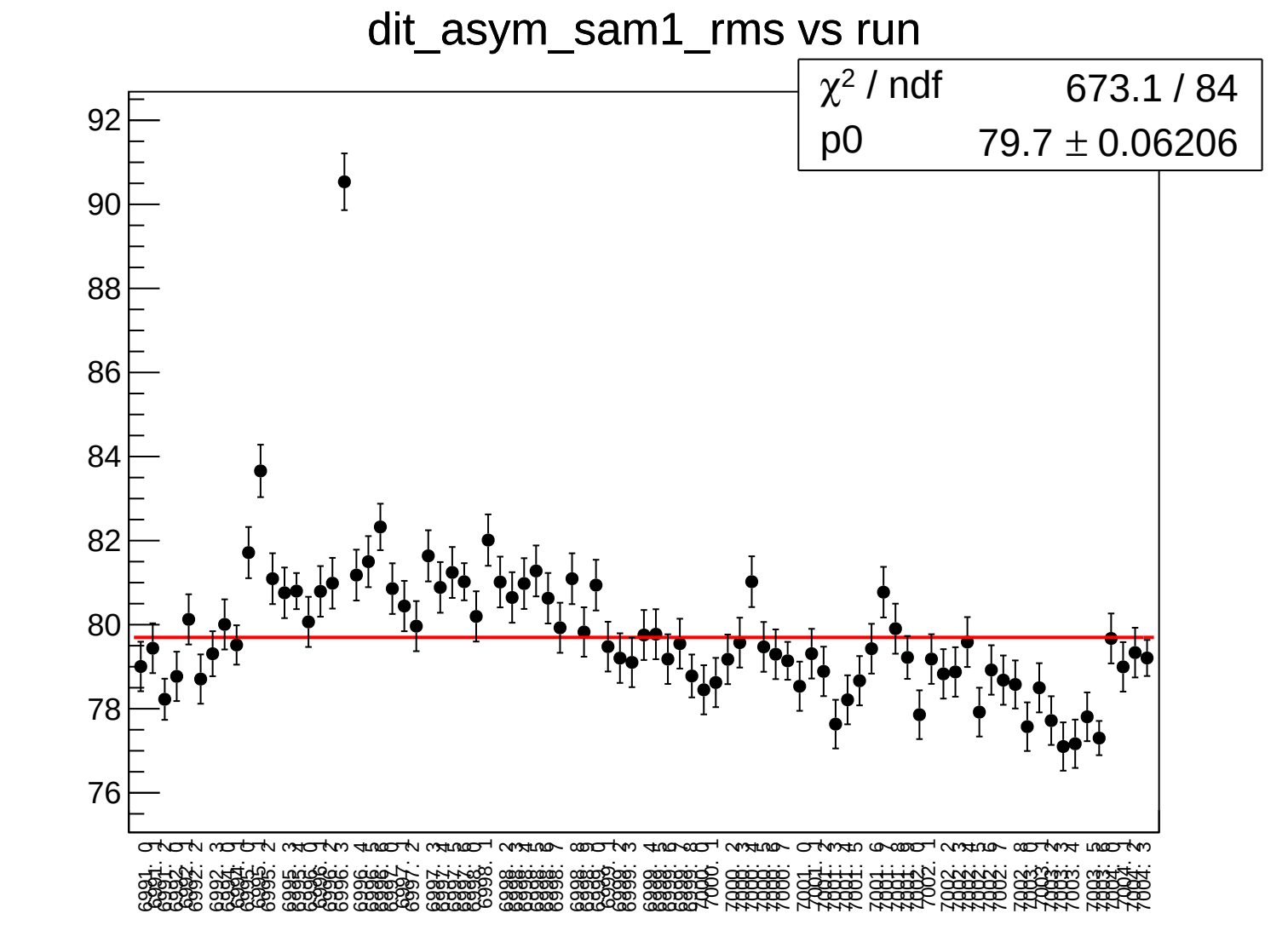

asym_atr2_mean vs run
×10^3
χ² / ndf 112.2 / 84
p0 2194 ± 9577
pull
Entries 85
Mean −88.04
Std Dev 132.2

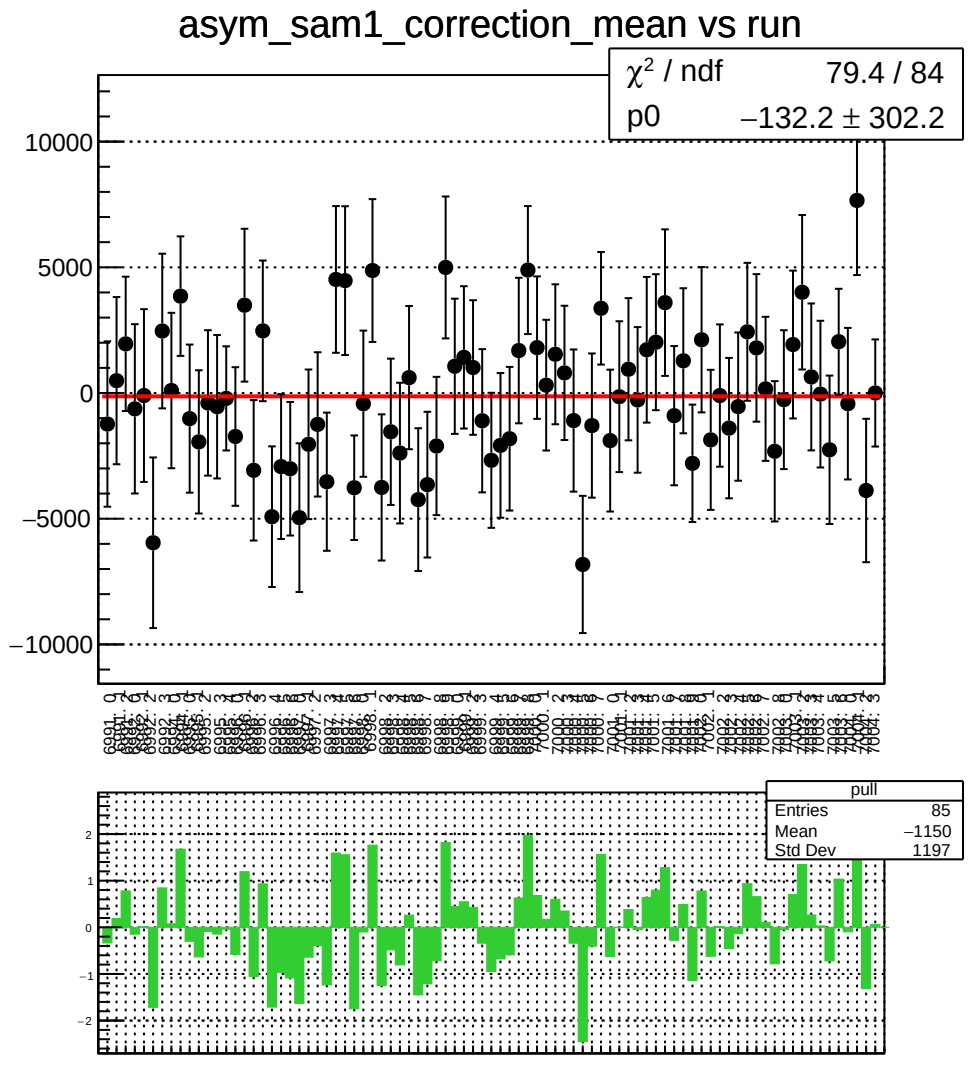

pull1D
Entries 85
Mean −0.03518
Std Dev 1.148

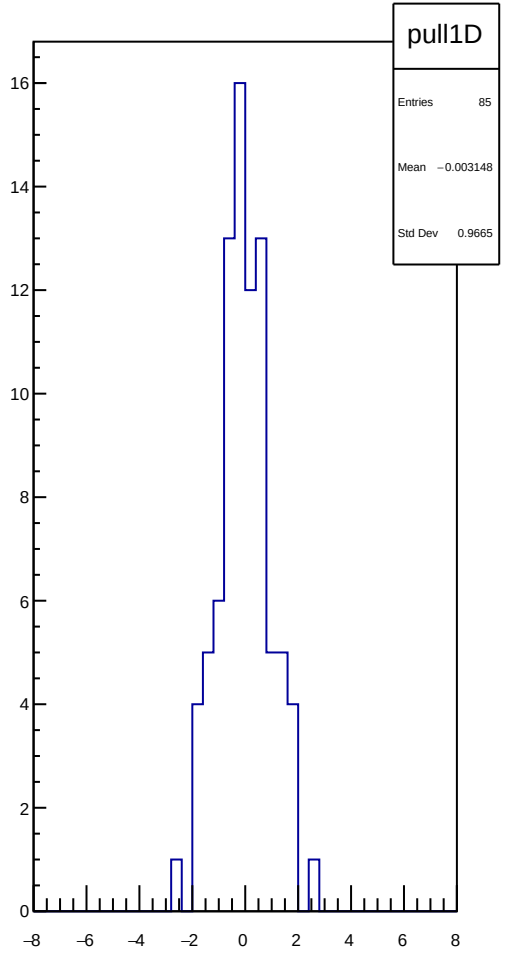

asym_atr2_rms vs run
χ^2 / ndf 2420 / 84
p0 8692 ± 6.772
9800
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800

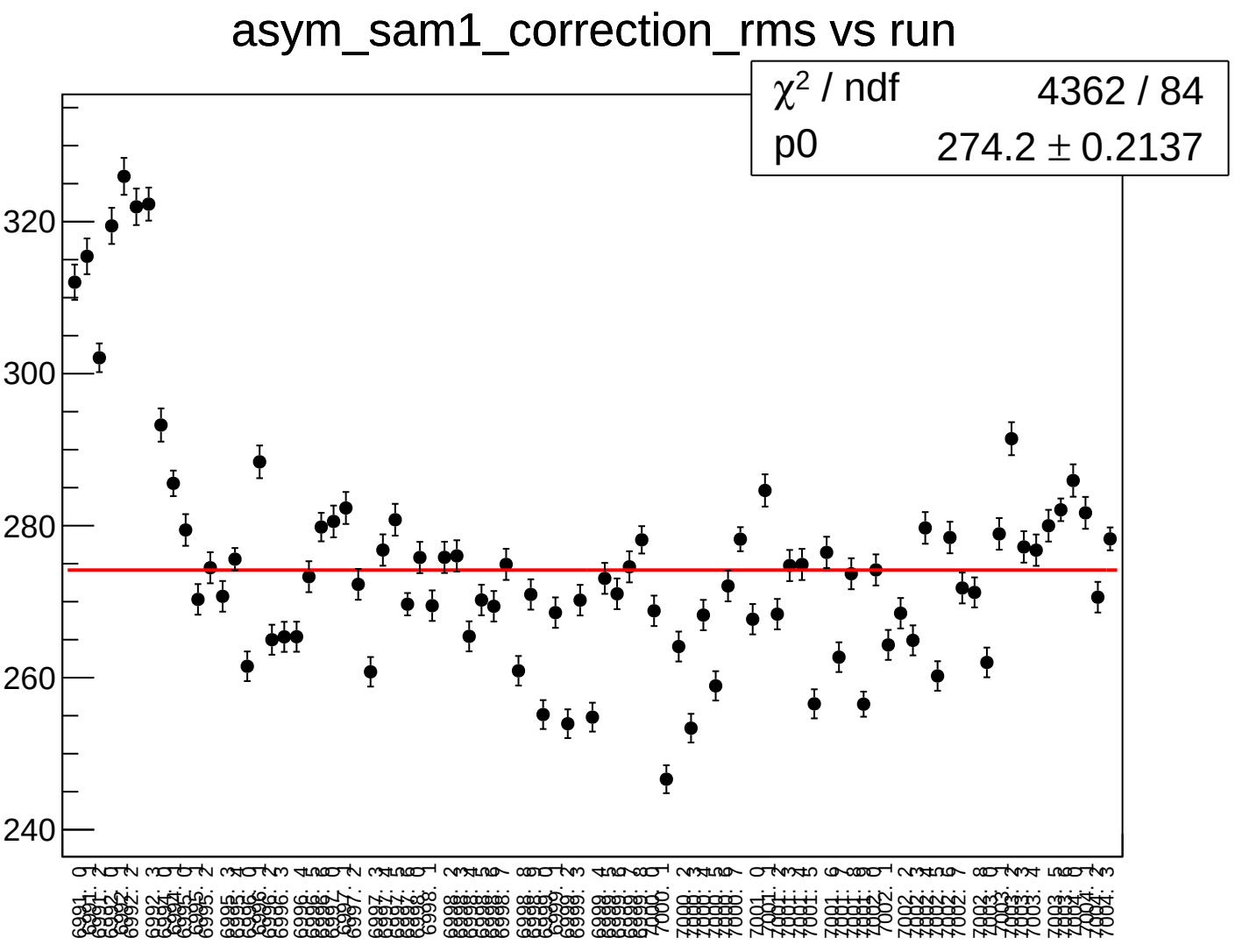

dit_asym_sam1_mean vs run
χ^2 / ndf 94.86 / 84
p0 94.23 ± 87.76
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean 311.4
Std Dev 265.7
2
1
0
−1
−2

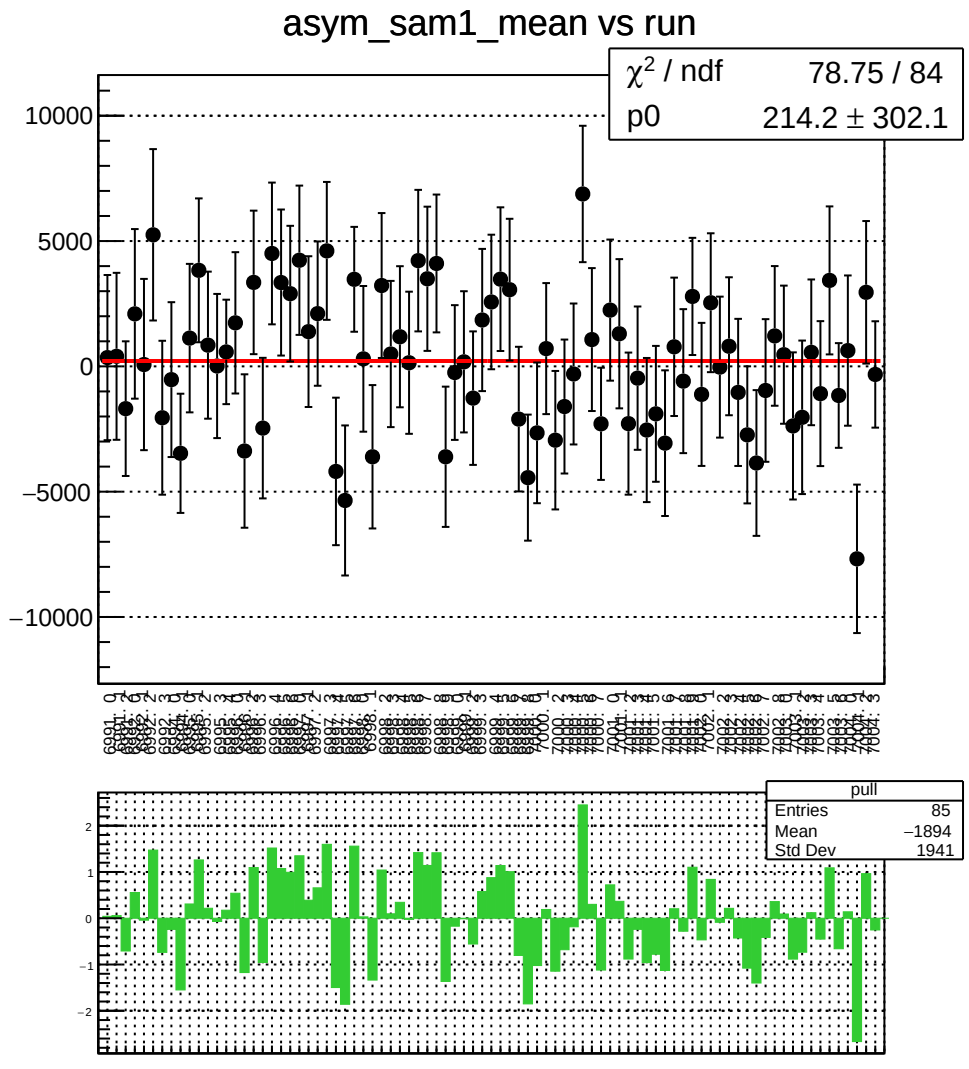

pull1D
Entries 85
Mean −0.0108
Std Dev 1.056
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

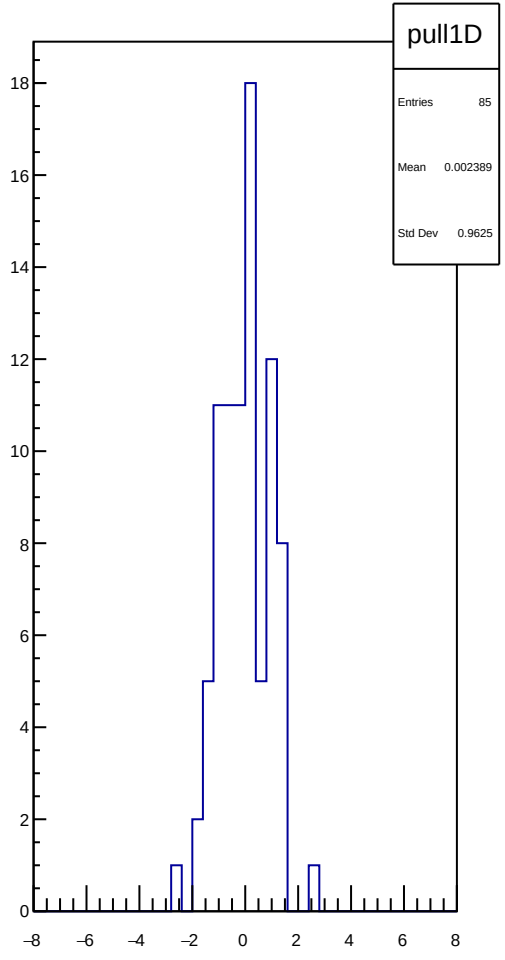

dit_asym_sam1_rms vs run
χ² / ndf 673.1 / 84
p0 79.7 ± 0.06206
92
90
88
86
84
82
80
78
76

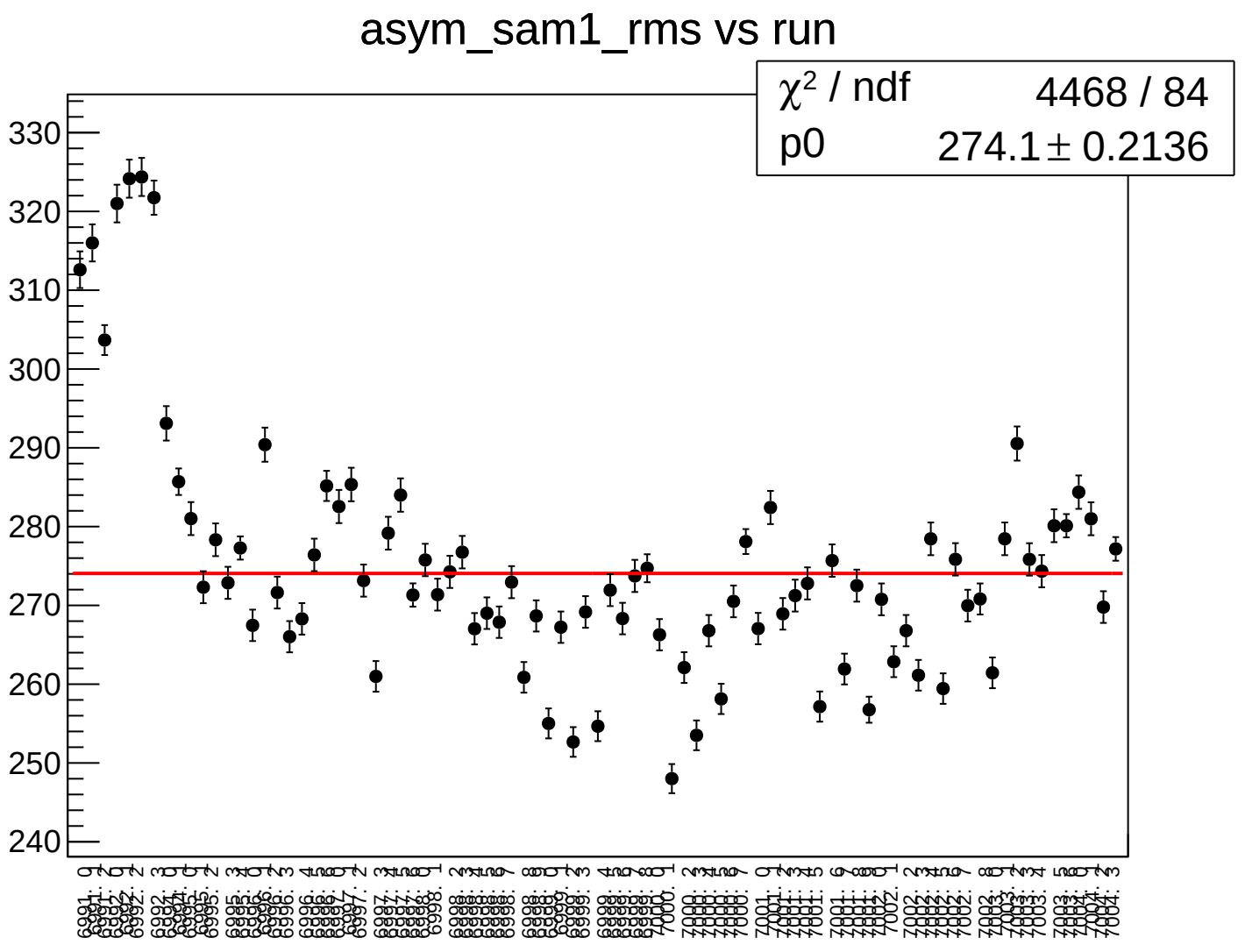

asym_sam1_correction_mean vs run
χ² / ndf 79.4 / 84
p0 −132.2 ± 302.2
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −1150
Std Dev 1197
2
1
0
−1
−2

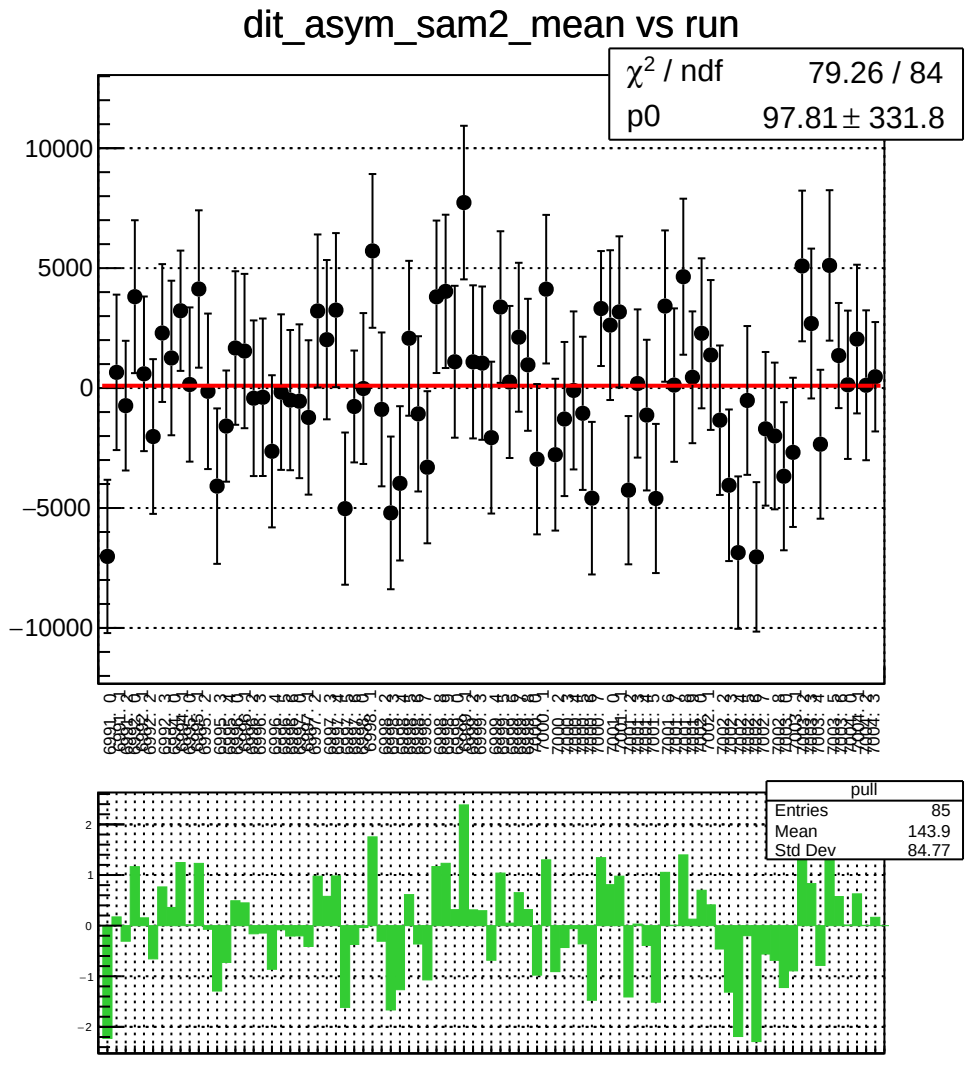

pull1D
Entries 85
Mean −0.003148
Std Dev 0.9665
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

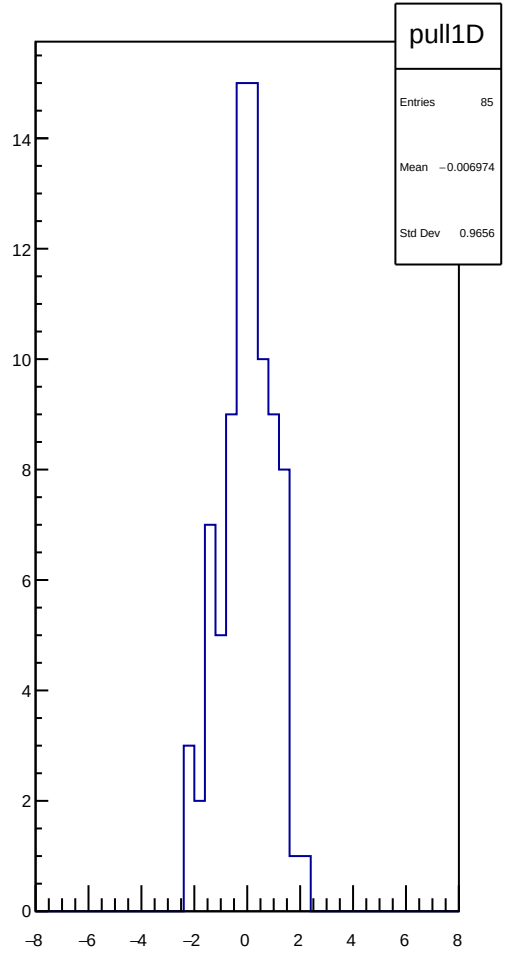

asym_sam1_correction_rms vs run
χ² / ndf 4362 / 84
p0 274.2 ± 0.2137
320
300
280
260
240

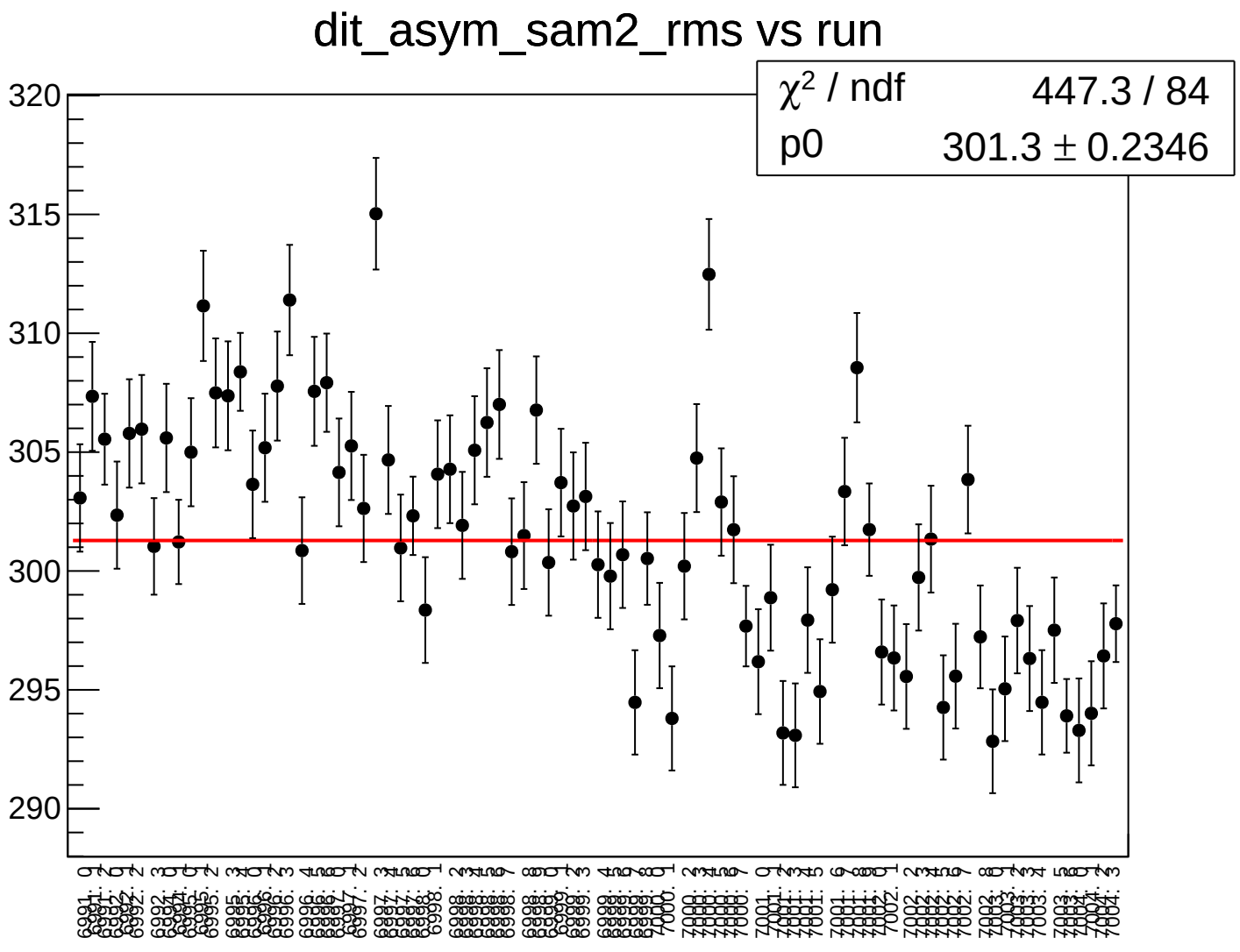

asym_sam1_mean vs run
χ² / ndf 78.75 / 84
p0 214.2 ± 302.1
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −1894
Std Dev 1941
2
1
0
−1
−2

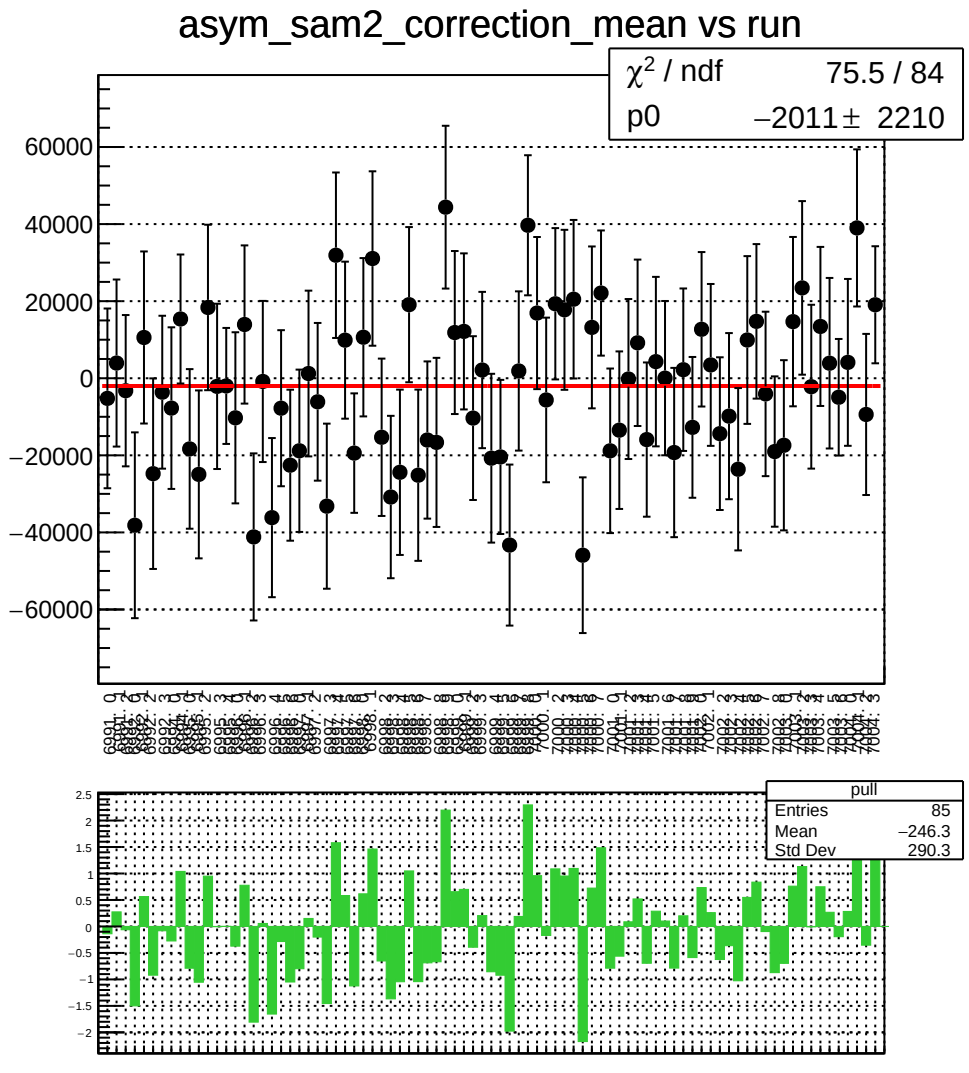

pull1D
Entries 85
Mean 0.002389
Std Dev 0.9625
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

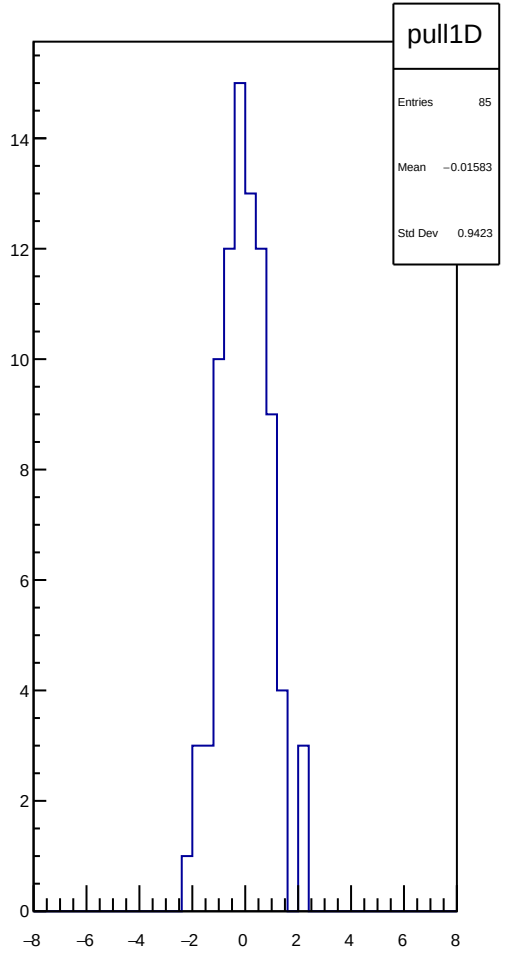

asym_sam1_rms vs run
χ² / ndf 4468 / 84
p0 274.1 ± 0.2136
330
320
310
300
290
280
270
260
250
240

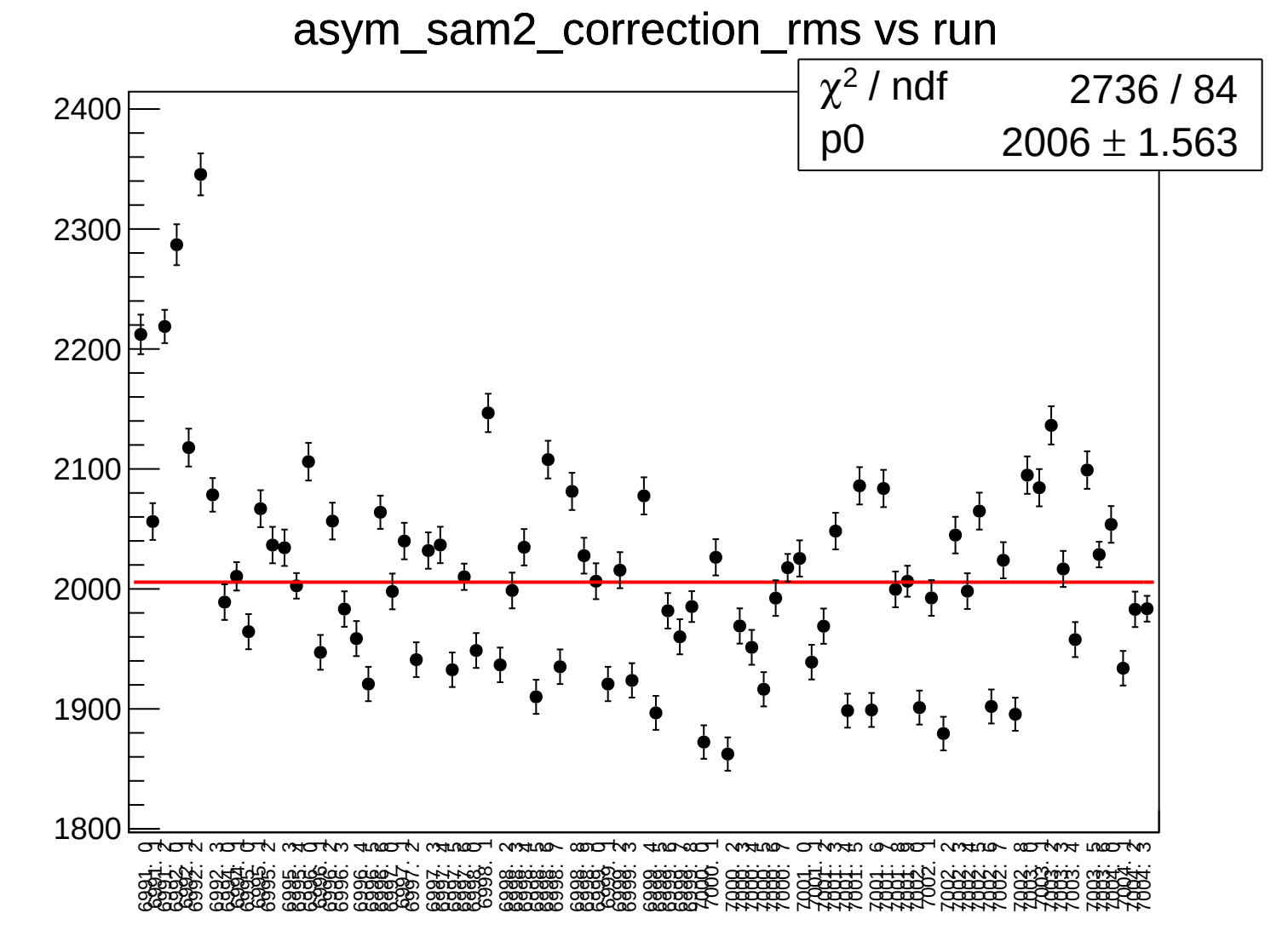

dit_asym_sam2_mean vs run
χ^2 / ndf 79.26 / 84
p0 97.81 ± 331.8
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 143.9
Std Dev 84.77
2
1
0
−1
−2

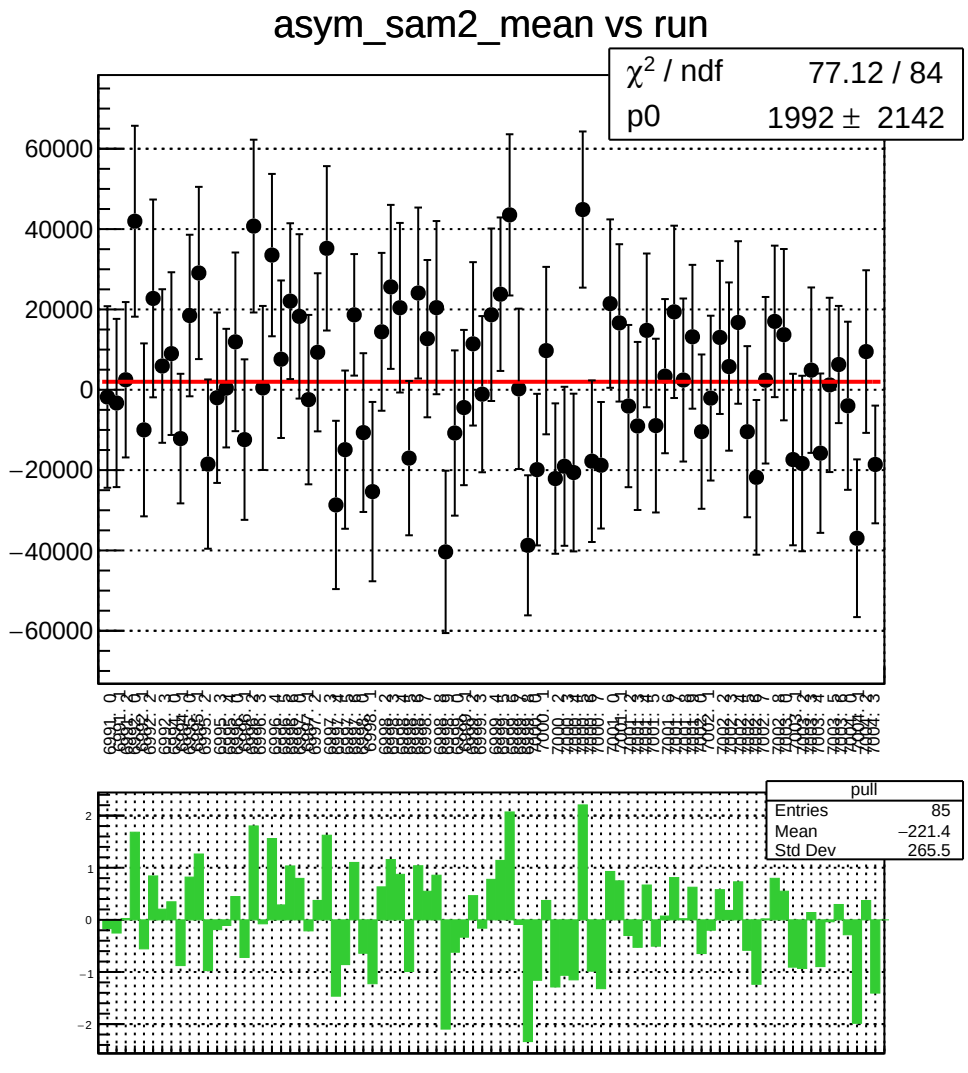

pull1D
Entries 85
Mean −0.006974
Std Dev 0.9656
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

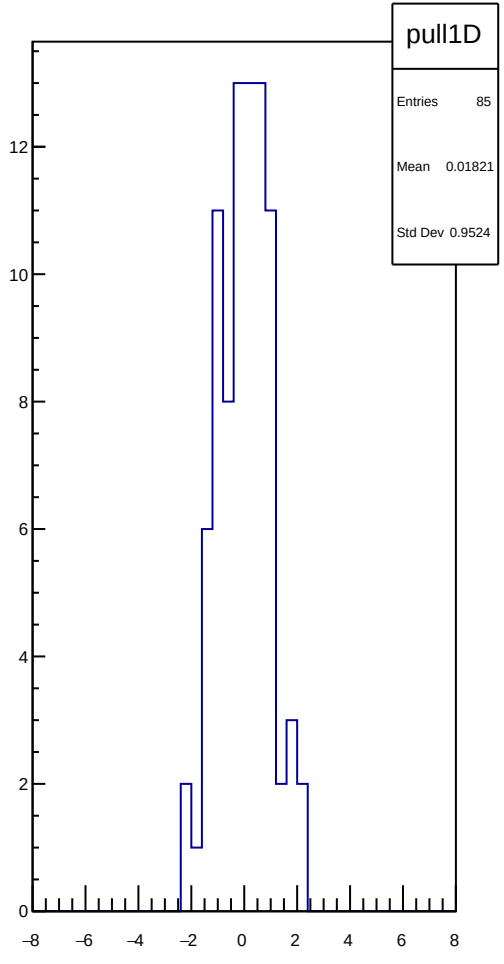

dit_asym_sam2_rms vs run
χ² / ndf 447.3 / 84
p0 301.3 ± 0.2346
320
315
310
305
300
295
290


asym_sam2_correction_mean vs run
χ² / ndf 75.5 / 84
p0 −2011 ± 2210
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −246.3
Std Dev 290.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 85
Mean −0.01583
Std Dev 0.9423
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam2_correction_rms vs run
χ² / ndf 2736 / 84
p0 2006 ± 1.563
2400
2300
2200
2100
2000
1900
1800


asym_sam2_mean vs run
χ² / ndf 77.12 / 84
p0 1992 ± 2142
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −221.4
Std Dev 265.5
2
1
0
−1
−2


pull1D
Entries 85
Mean 0.01821
Std Dev 0.9524
12
10
8
6
4
2
0
−8
−6
−4
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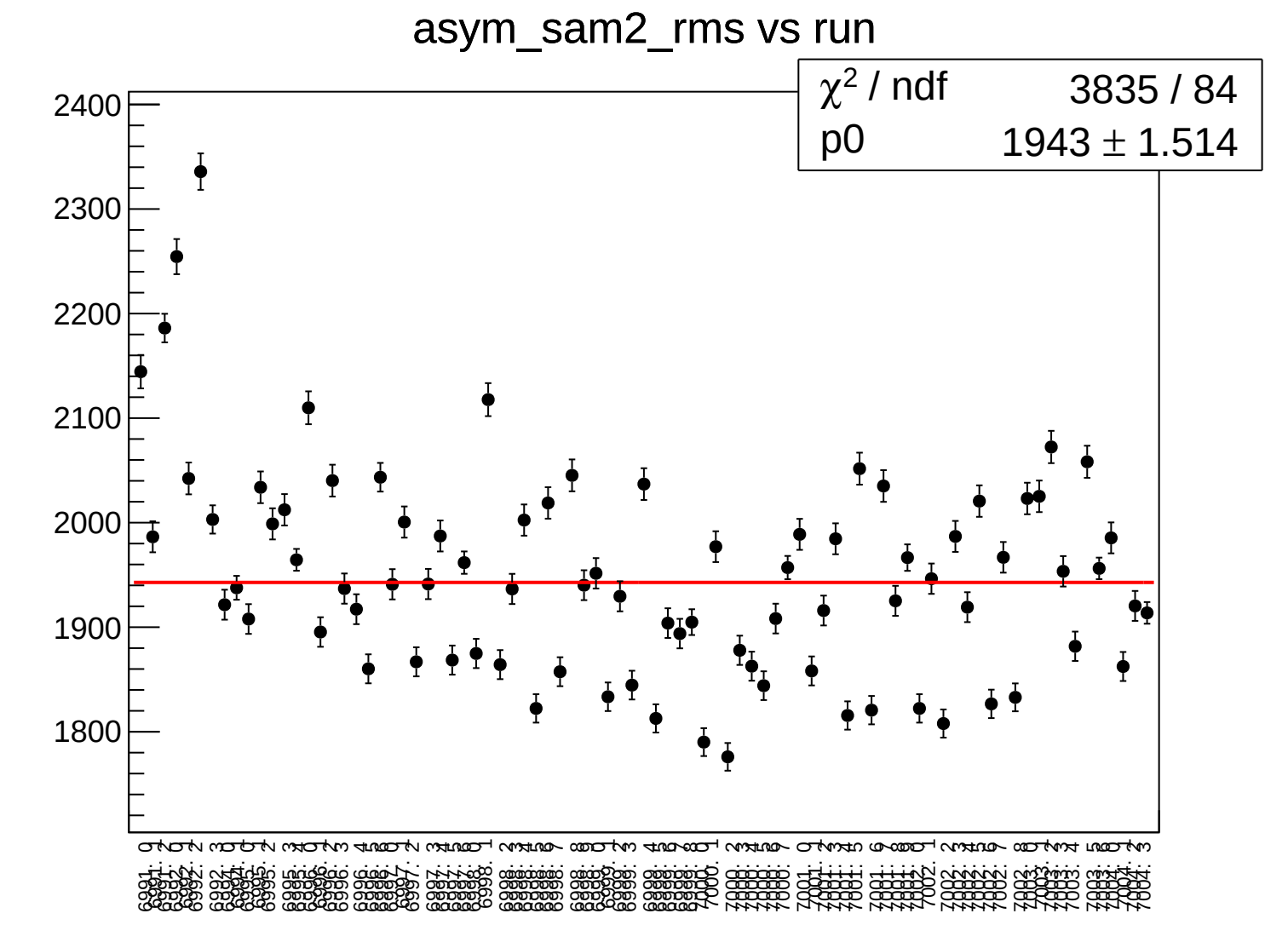
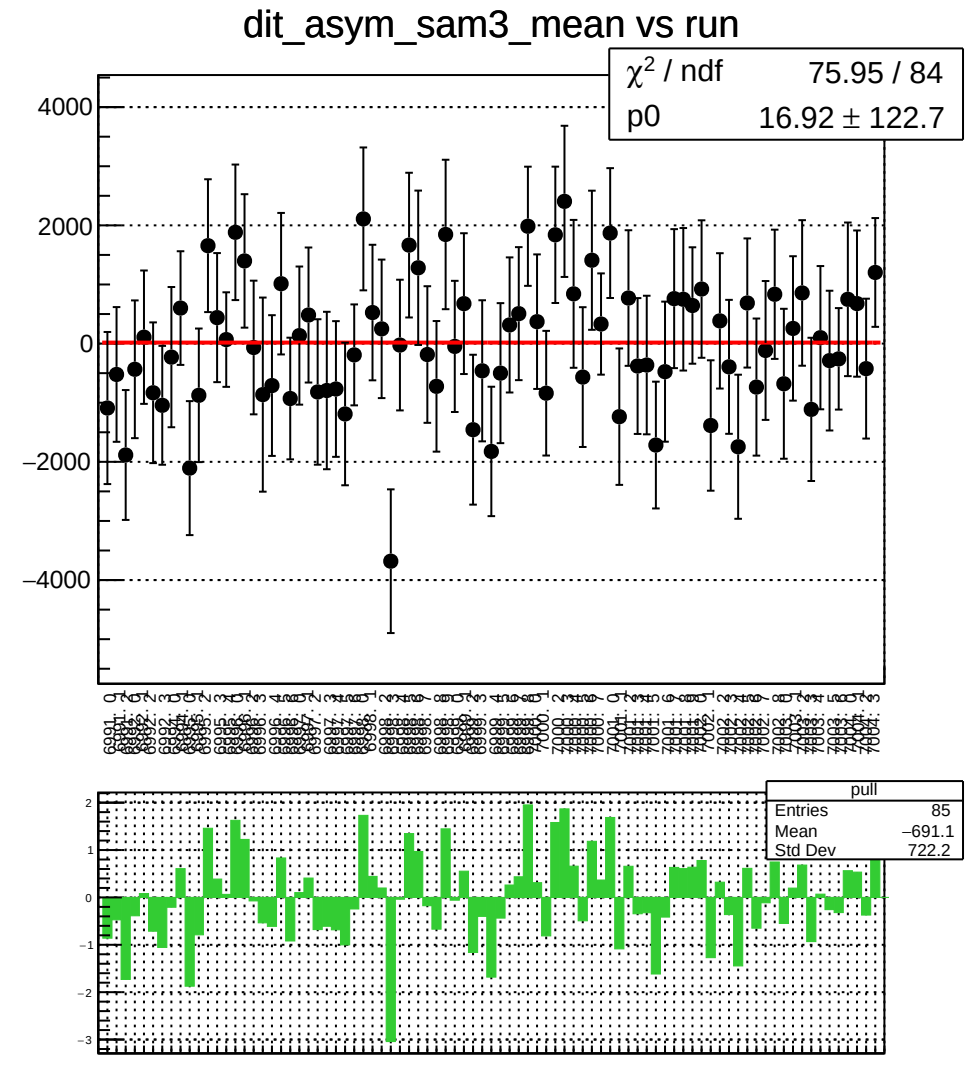
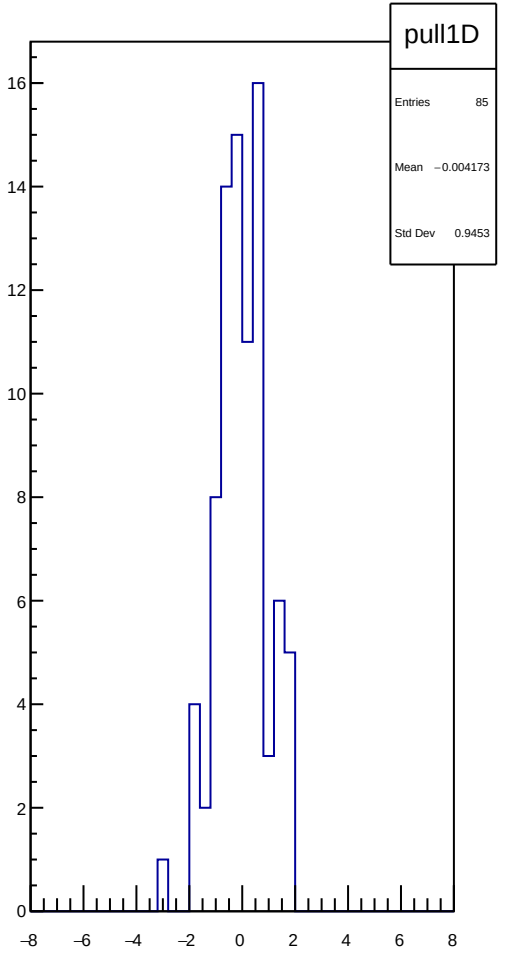
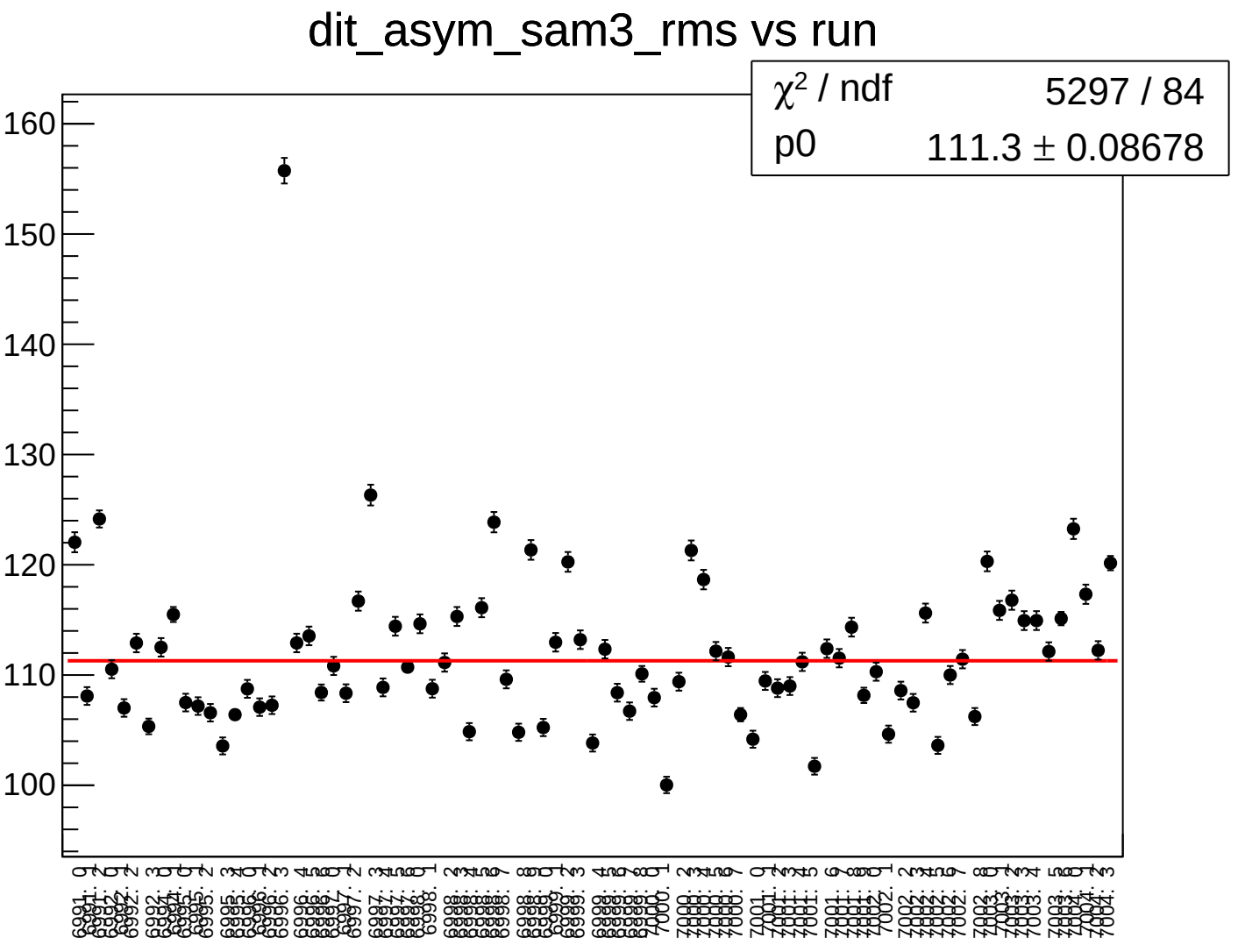
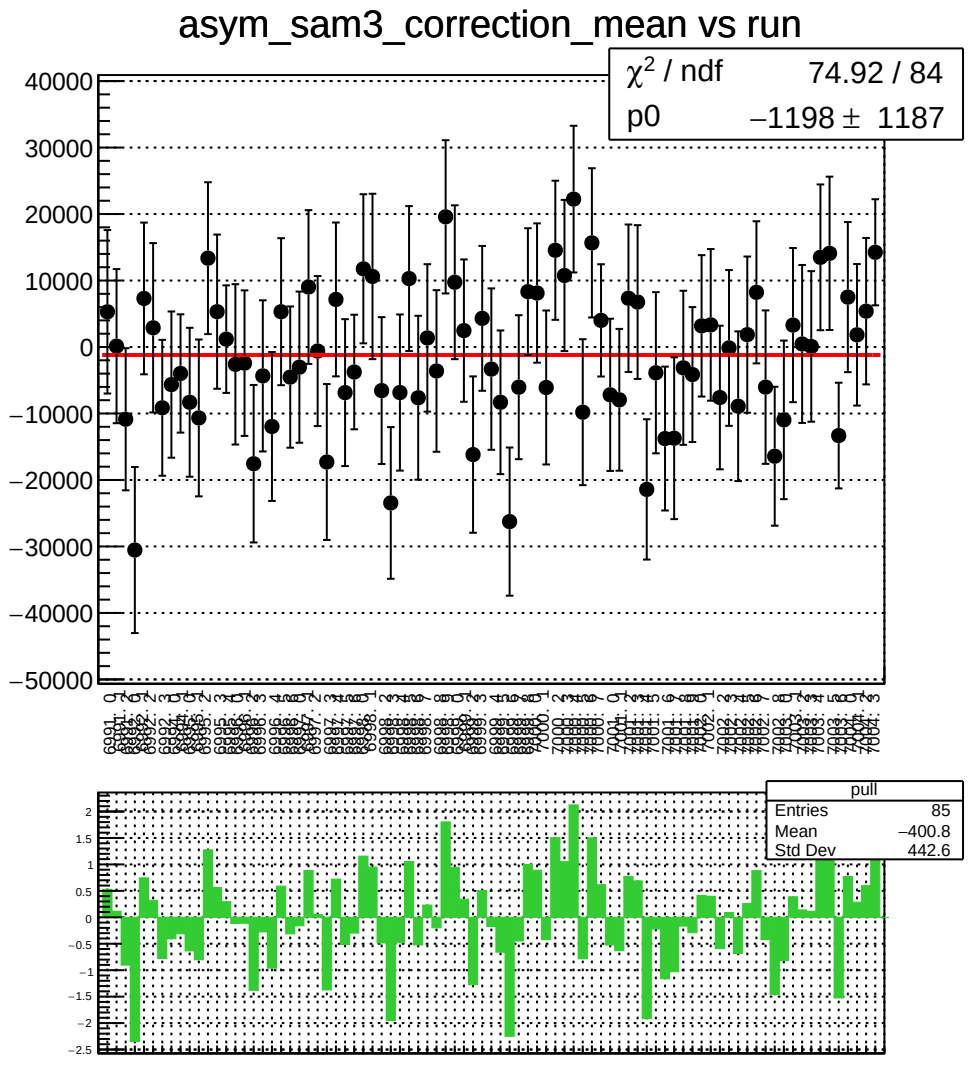
0
2
4
6
8

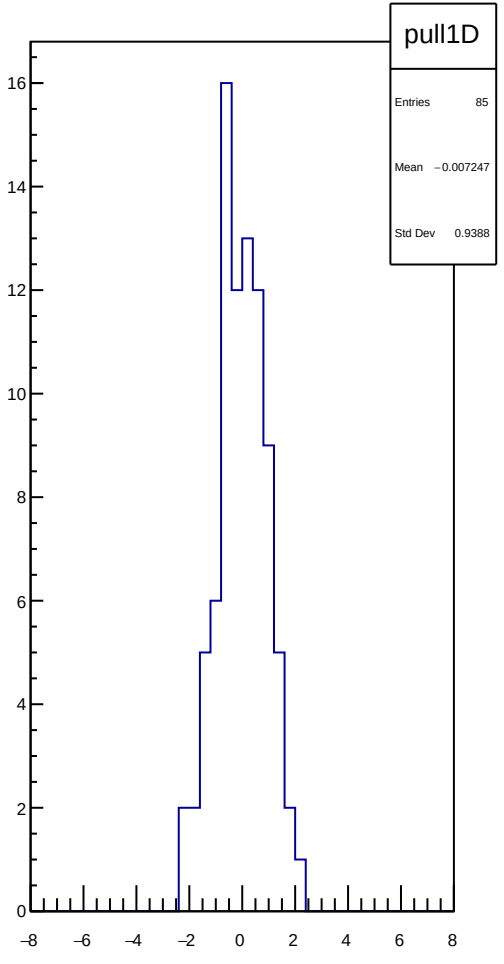

asym_sam2_rms vs run
χ² / ndf 3835 / 84
p0 1943 ± 1.514
2400
2300
2200
2100
2000
1900
1800

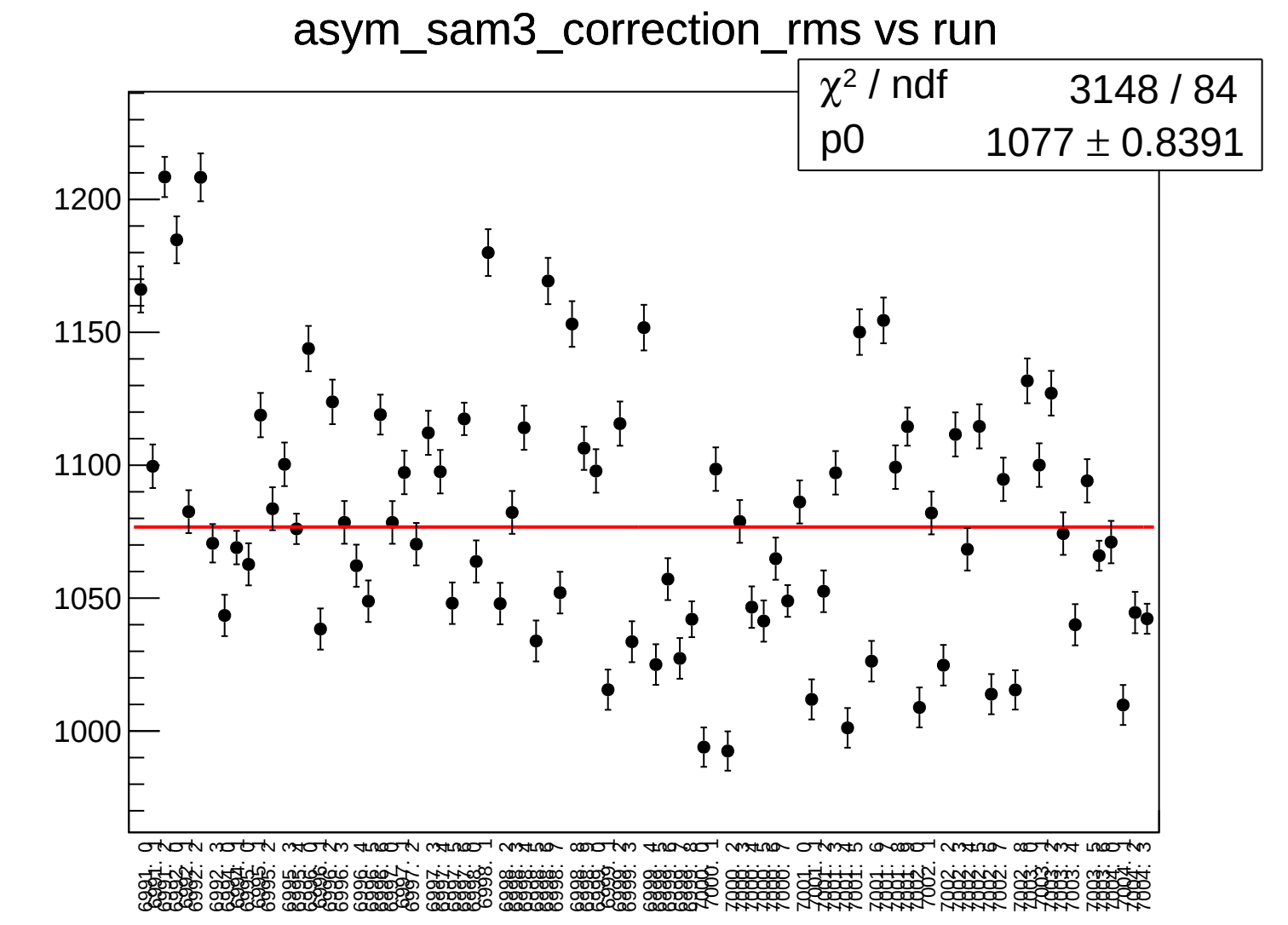

dit_asym_sam3_mean vs run
χ² / ndf 75.95 / 84
p0 16.92 ± 122.7
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −691.1
Std Dev 722.2
2
1
0
−1
−2
−3

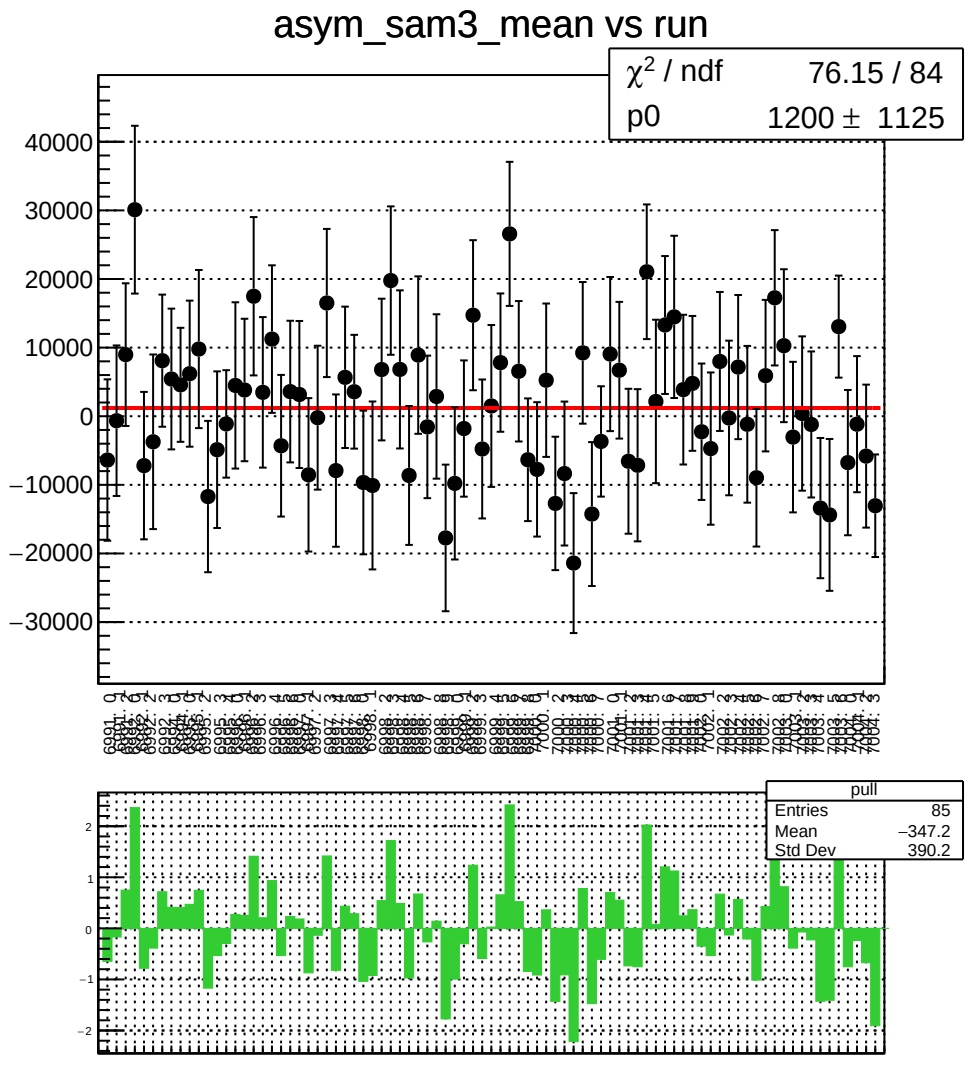

pull1D
Entries 85
Mean −0.004173
Std Dev 0.9453
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

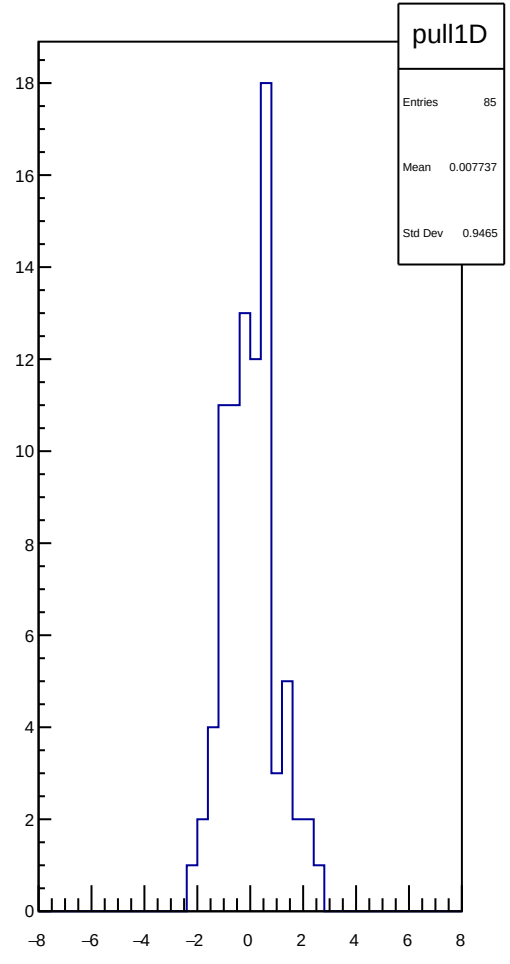

dit_asym_sam3_rms vs run
χ² / ndf 5297 / 84
p0 111.3 ± 0.08678
160
150
140
130
120
110
100

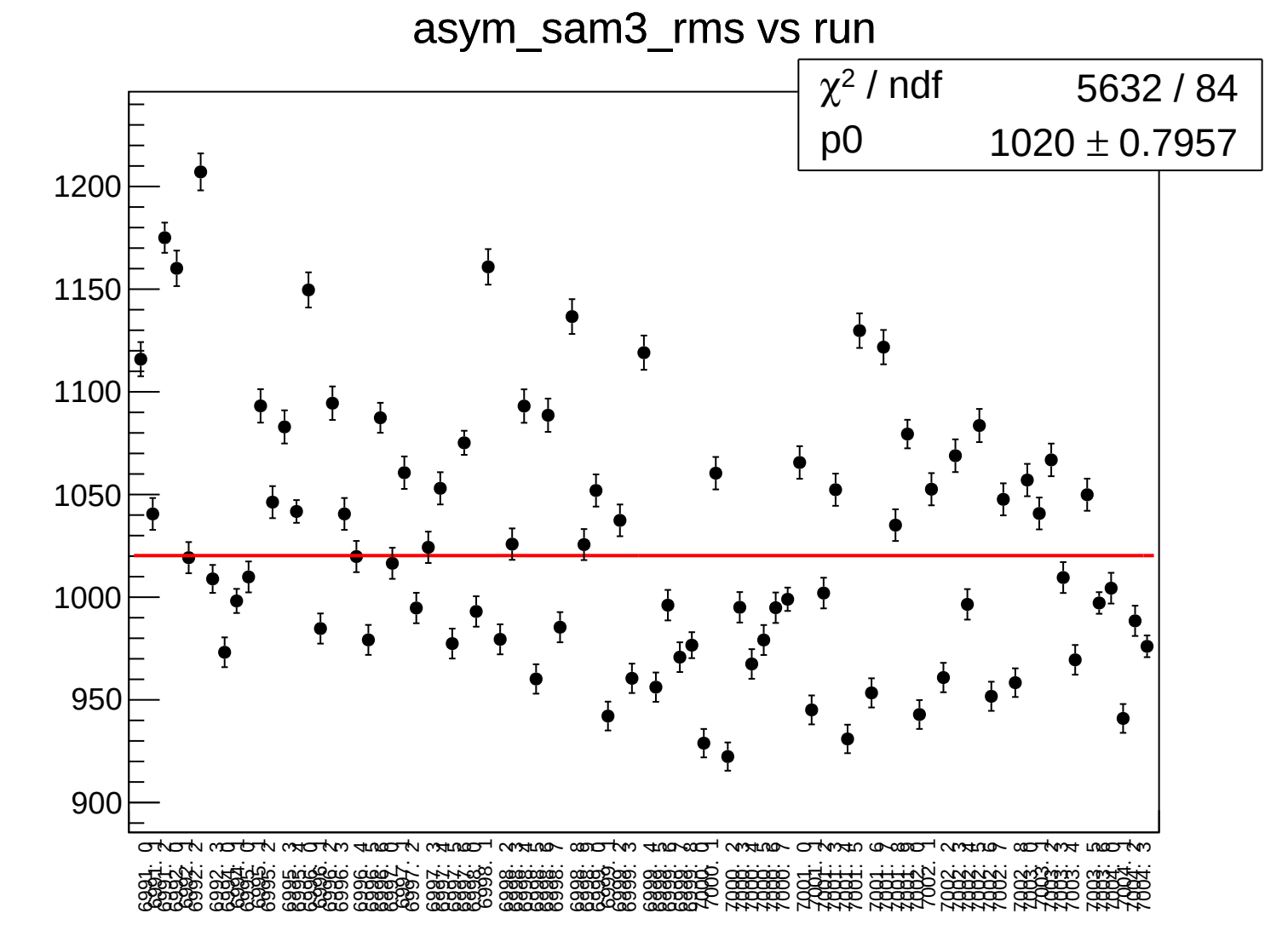

asym_sam3_correction_mean vs run
χ² / ndf 74.92 / 84
p0 −1198 ± 1187
pull
Entries 85
Mean −400.8
Std Dev 442.6

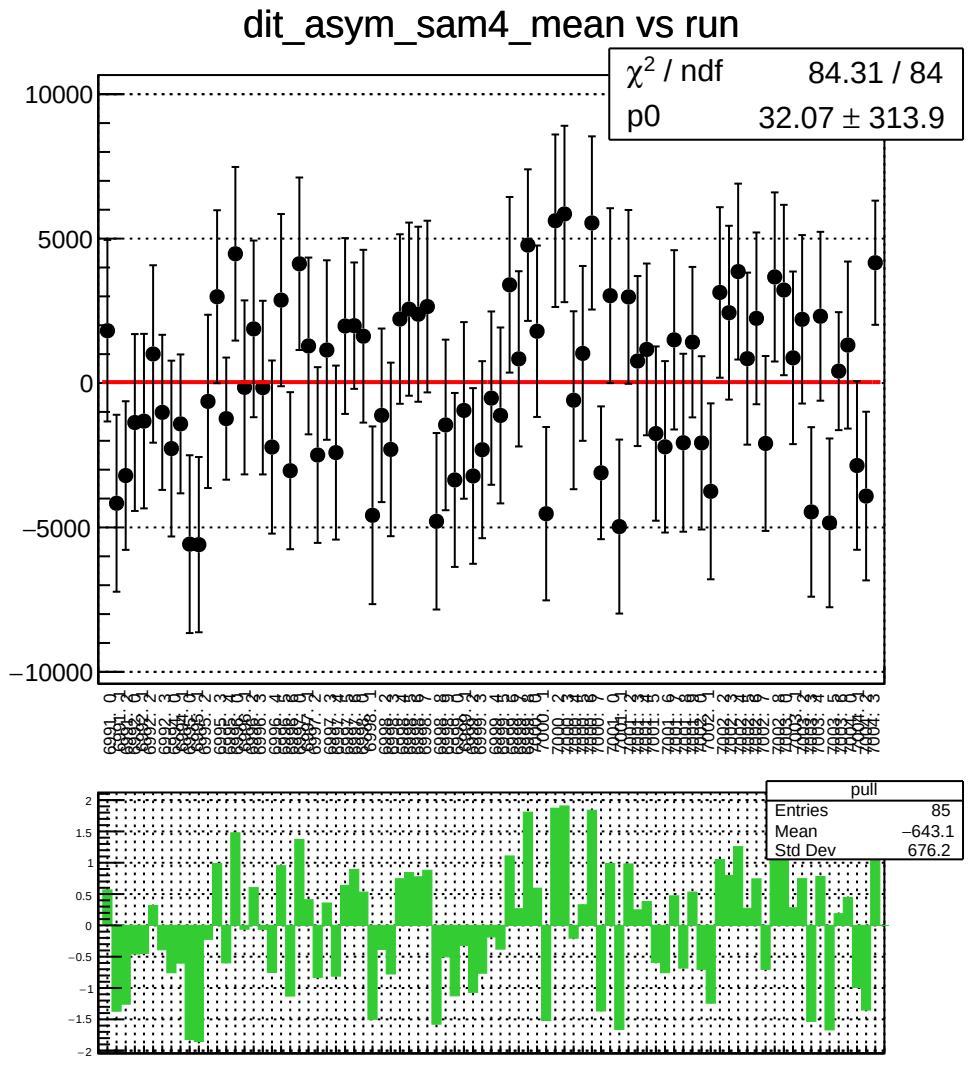

pull1D
Entries 85
Mean −0.007247
Std Dev 0.9388

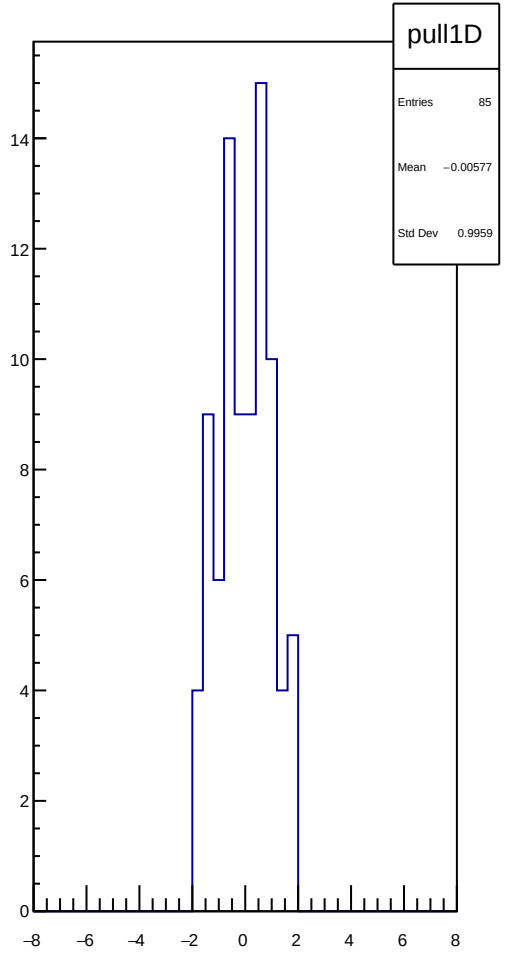

asym_sam3_correction_rms vs run
χ² / ndf 3148 / 84
p0 1077 ± 0.8391
1200
1150
1100
1050
1000

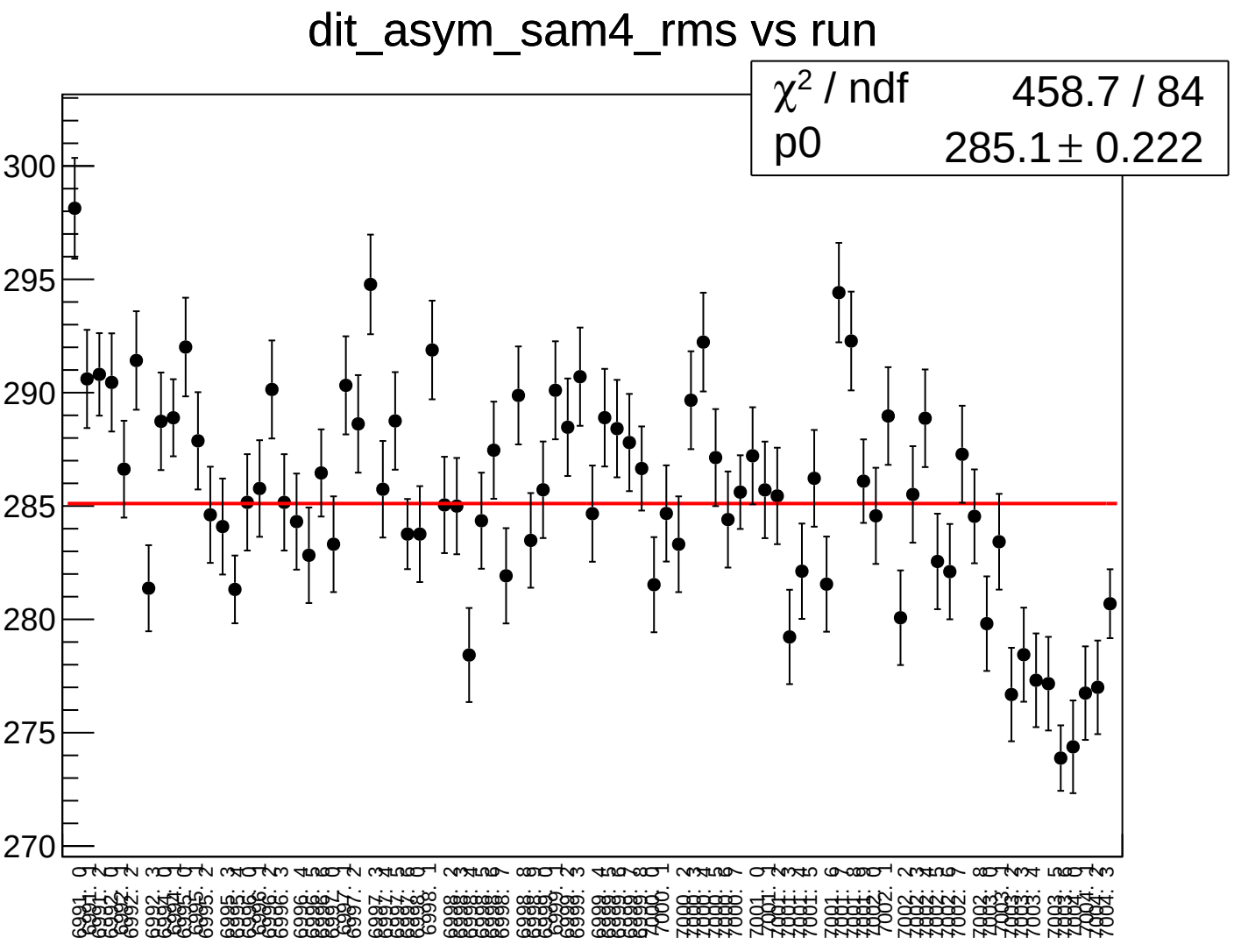

asym_sam3_mean vs run
χ² / ndf 76.15 / 84
p0 1200 ± 1125
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −347.2
Std Dev 390.2
2
1
0
−1
−2

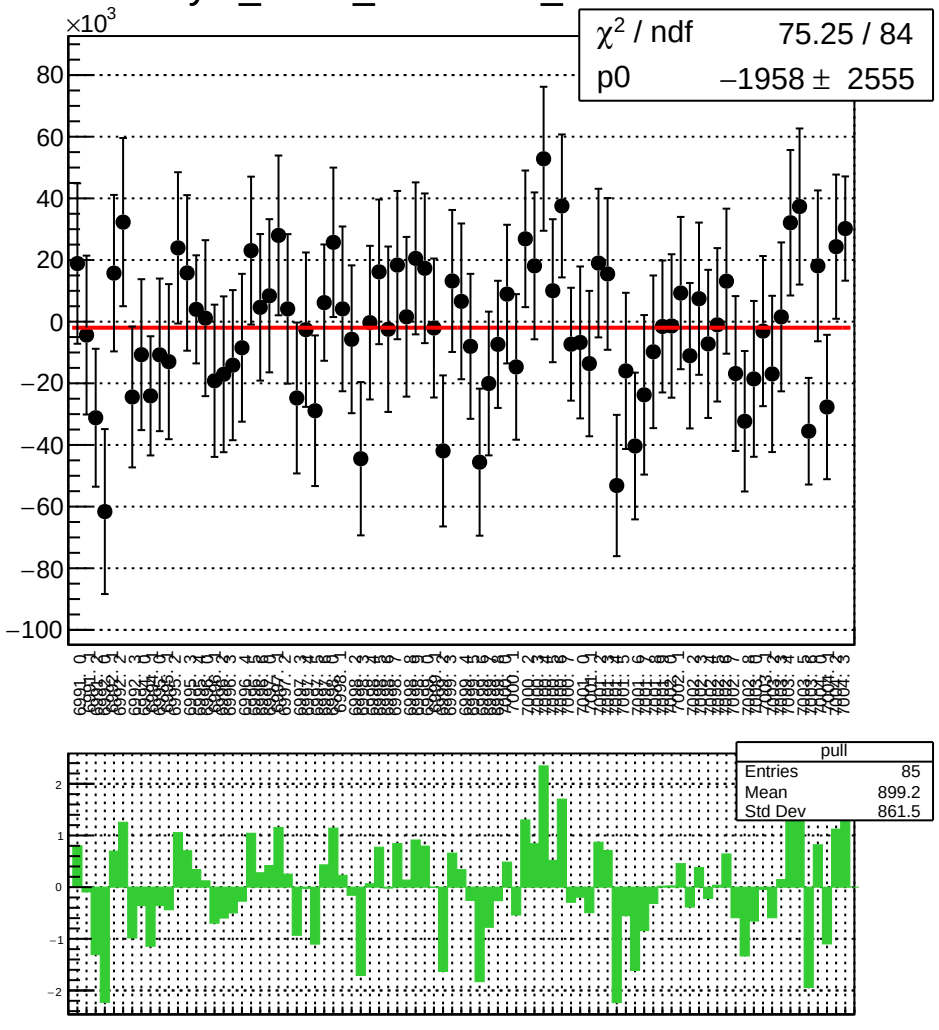

pull1D
Entries 85
Mean 0.007737
Std Dev 0.9465
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

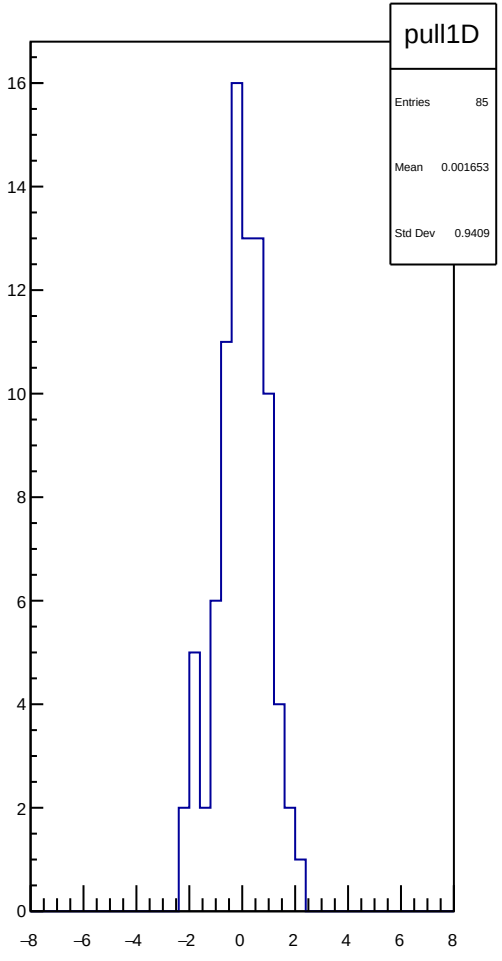

asym_sam3_rms vs run
χ² / ndf 5632 / 84
p0 1020 ± 0.7957
1200
1150
1100
1050
1000
950
900

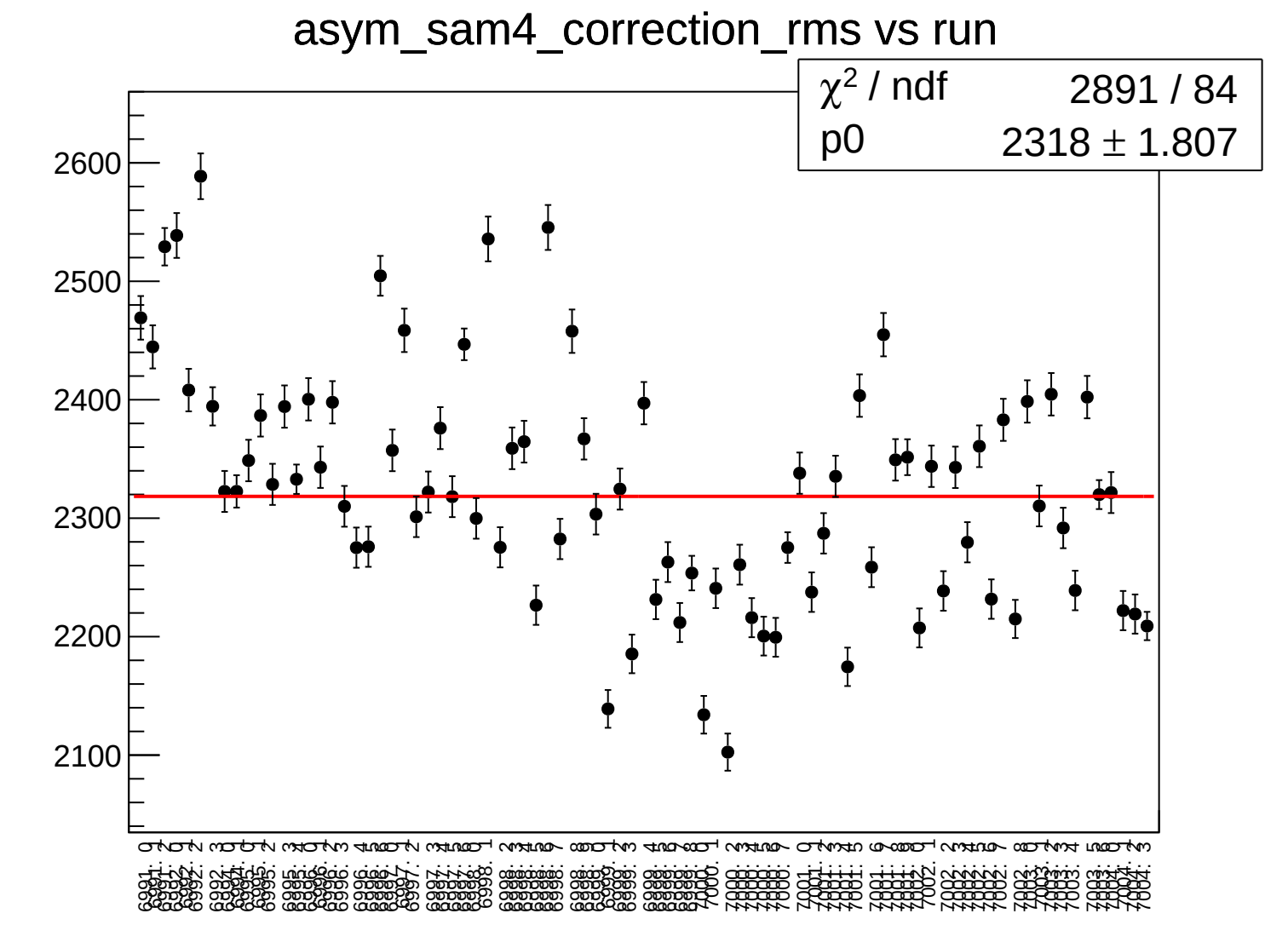

dit_asym_sam4_mean vs run
χ^2 / ndf 84.31 / 84
p0 32.07 ± 313.9
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −643.1
Std Dev 676.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

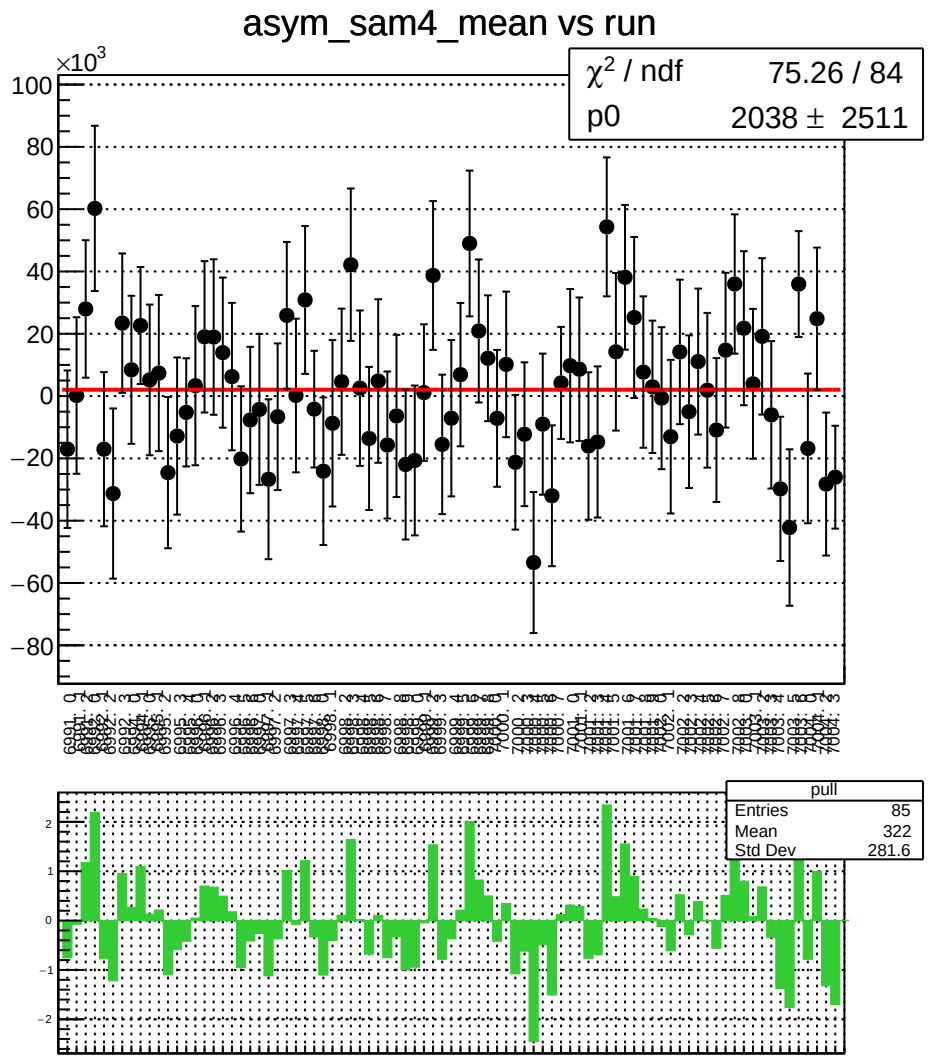

pull1D
Entries 85
Mean −0.00577
Std Dev 0.9959
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

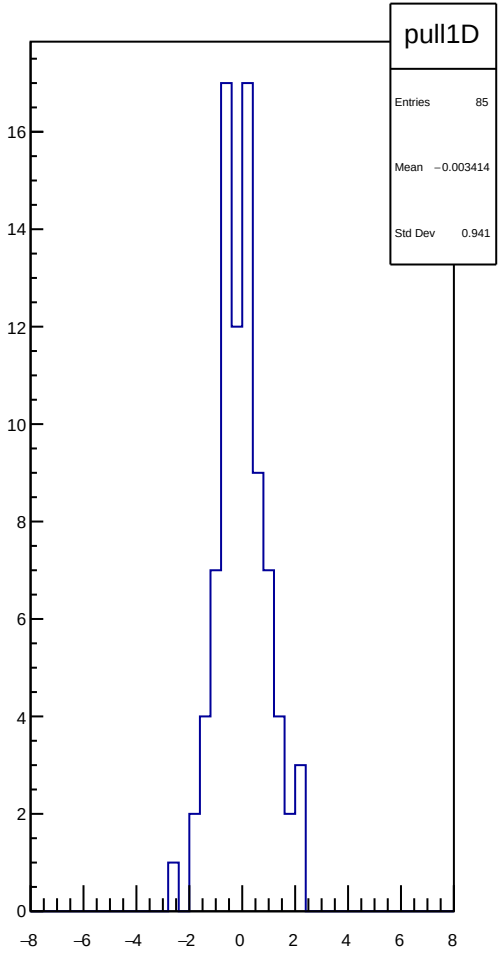

dit_asym_sam4_rms vs run
χ² / ndf 458.7 / 84
p0 285.1 ± 0.222
300
295
290
285
280
275
270

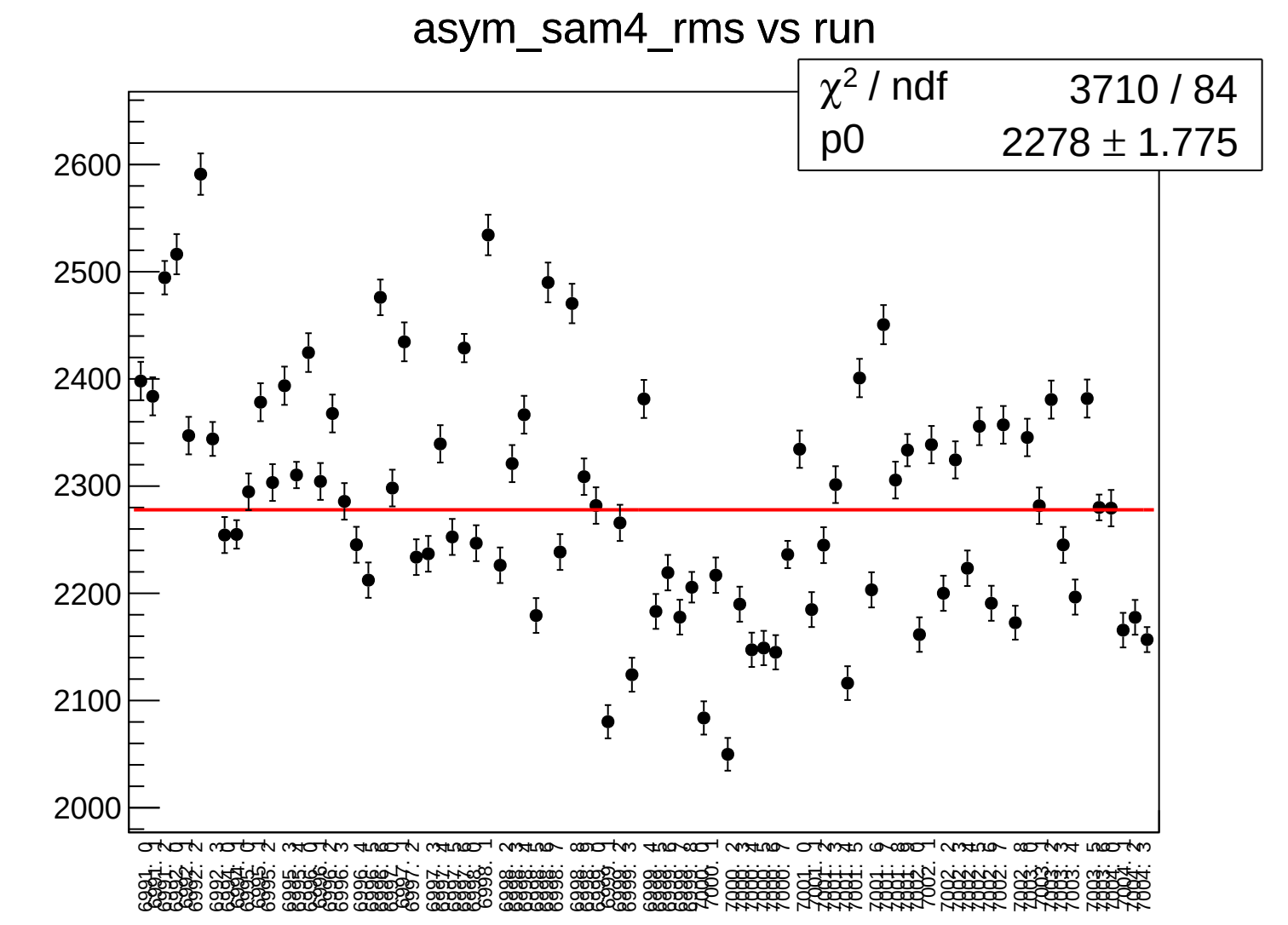

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 75.25 / 84
p0 −1958 ± 2555
pull
Entries 85
Mean 899.2
Std Dev 861.5

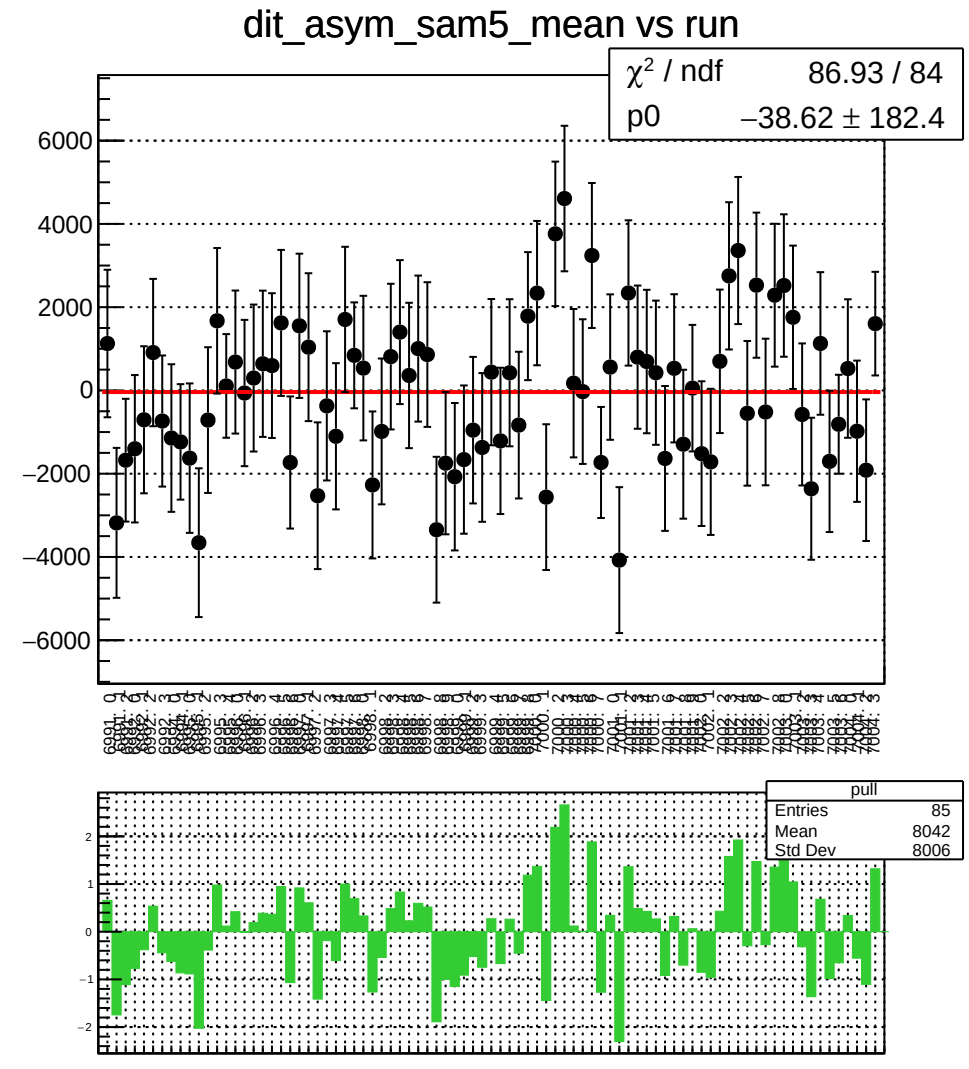

pull1D
Entries 85
Mean 0.001653
Std Dev 0.9409

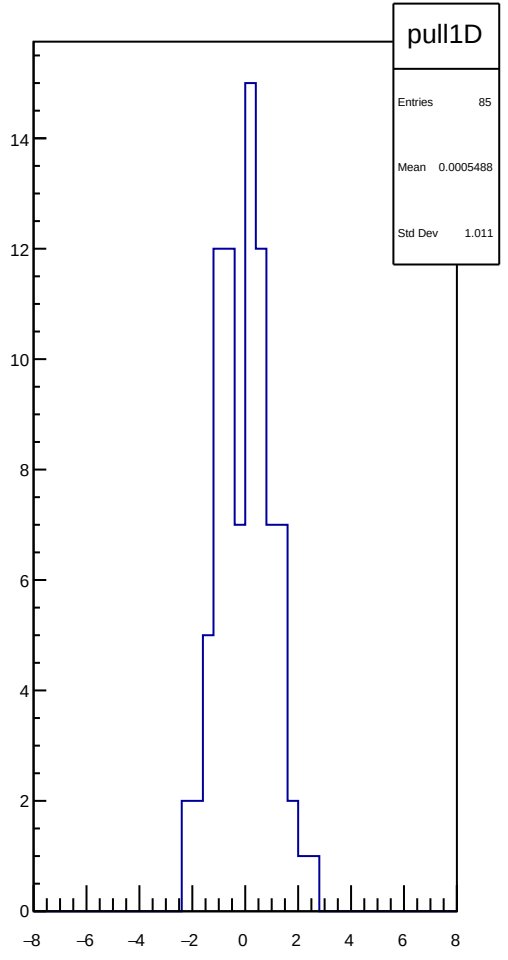

asym_sam4_correction_rms vs run
χ² / ndf 2891 / 84
p0 2318 ± 1.807
2600
2500
2400
2300
2200
2100

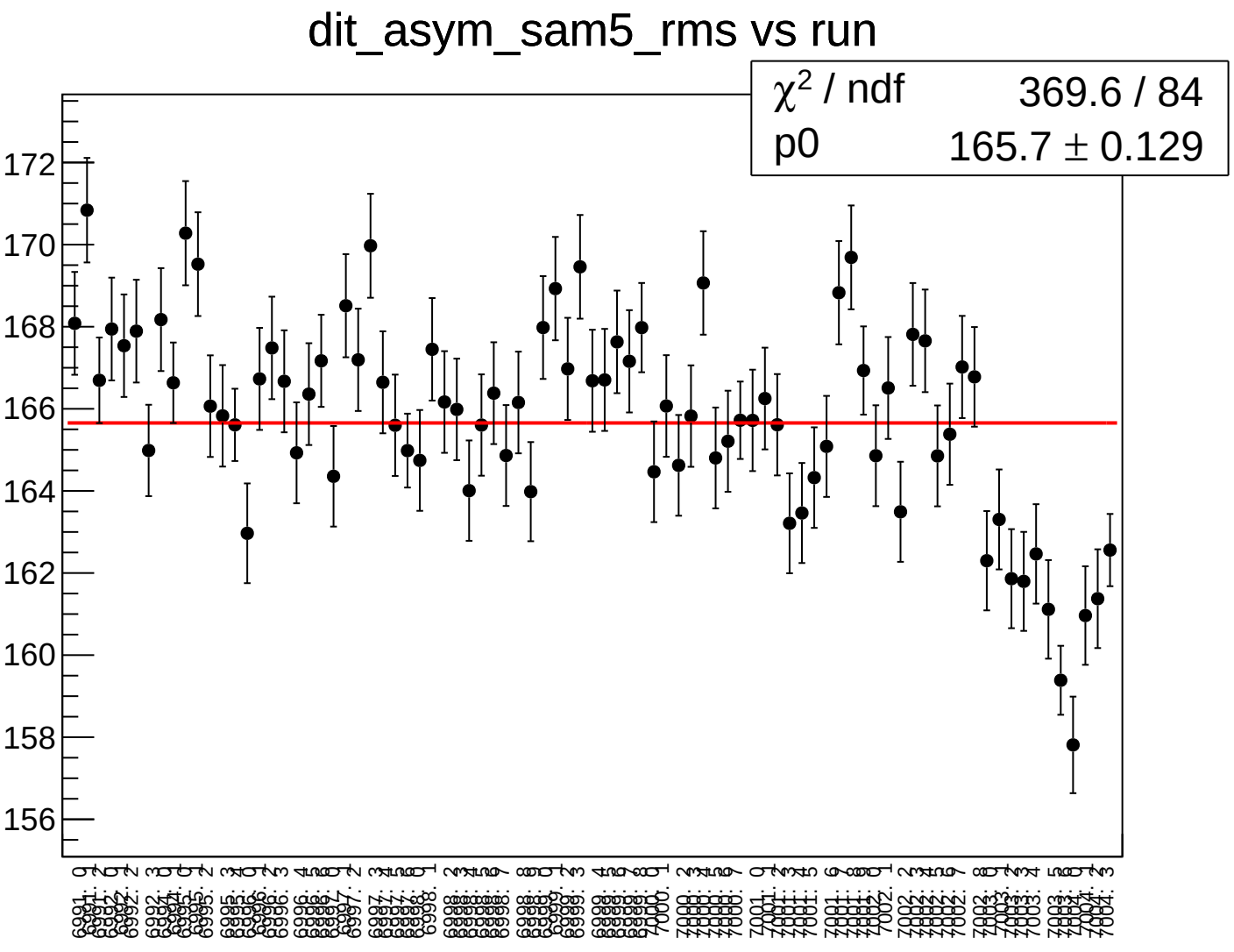

asym_sam4_mean vs run
×10^3
χ² / ndf 75.26 / 84
p0 2038 ± 2511
pull
Entries 85
Mean 322
Std Dev 281.6

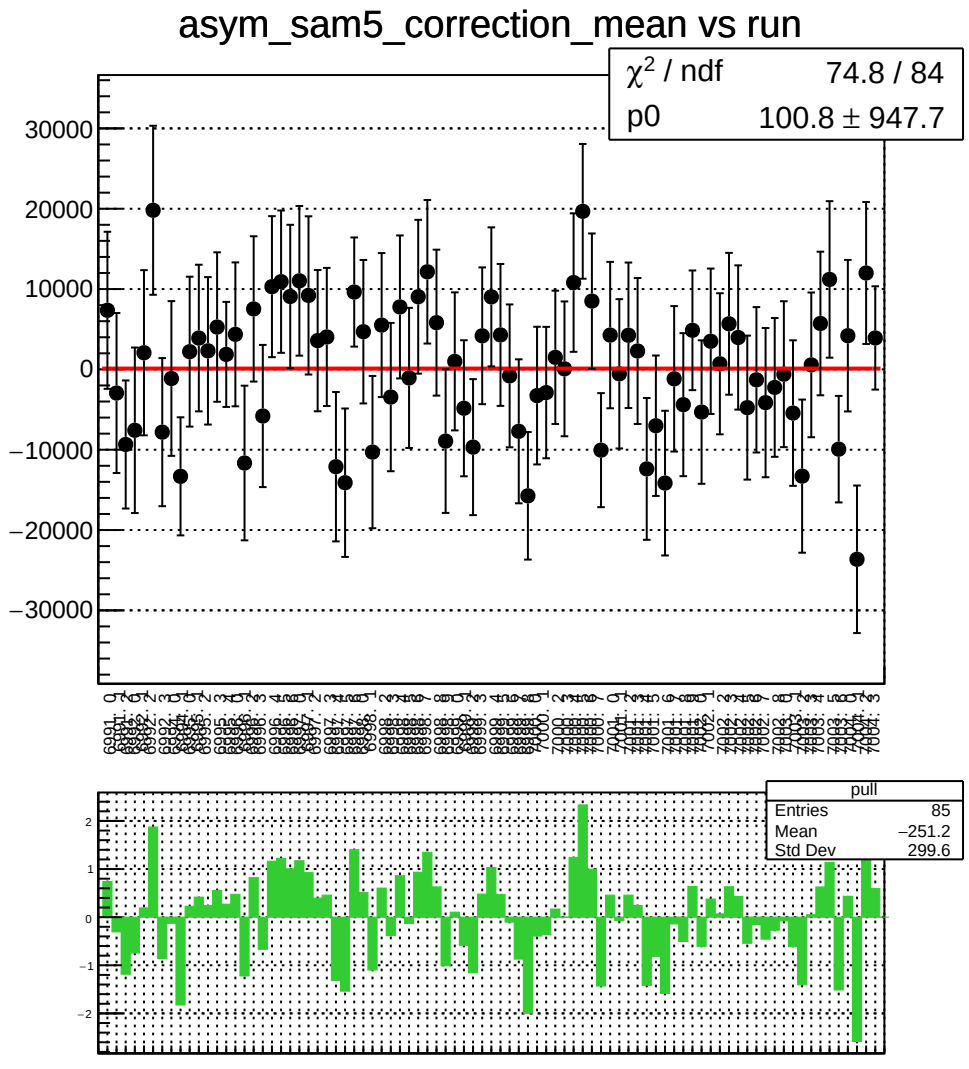

pull1D
Entries 85
Mean −0.003414
Std Dev 0.941

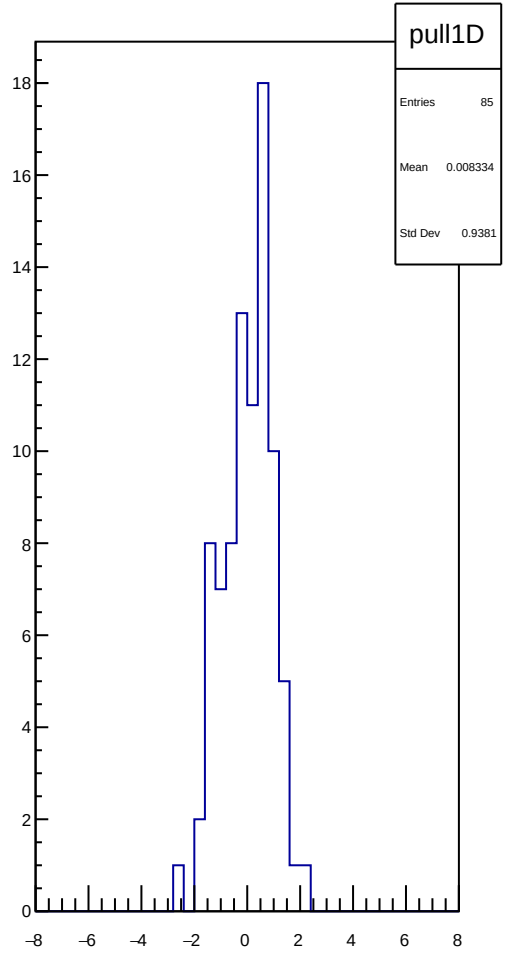

asym_sam4_rms vs run
χ² / ndf 3710 / 84
p0 2278 ± 1.775
2600
2500
2400
2300
2200
2100
2000

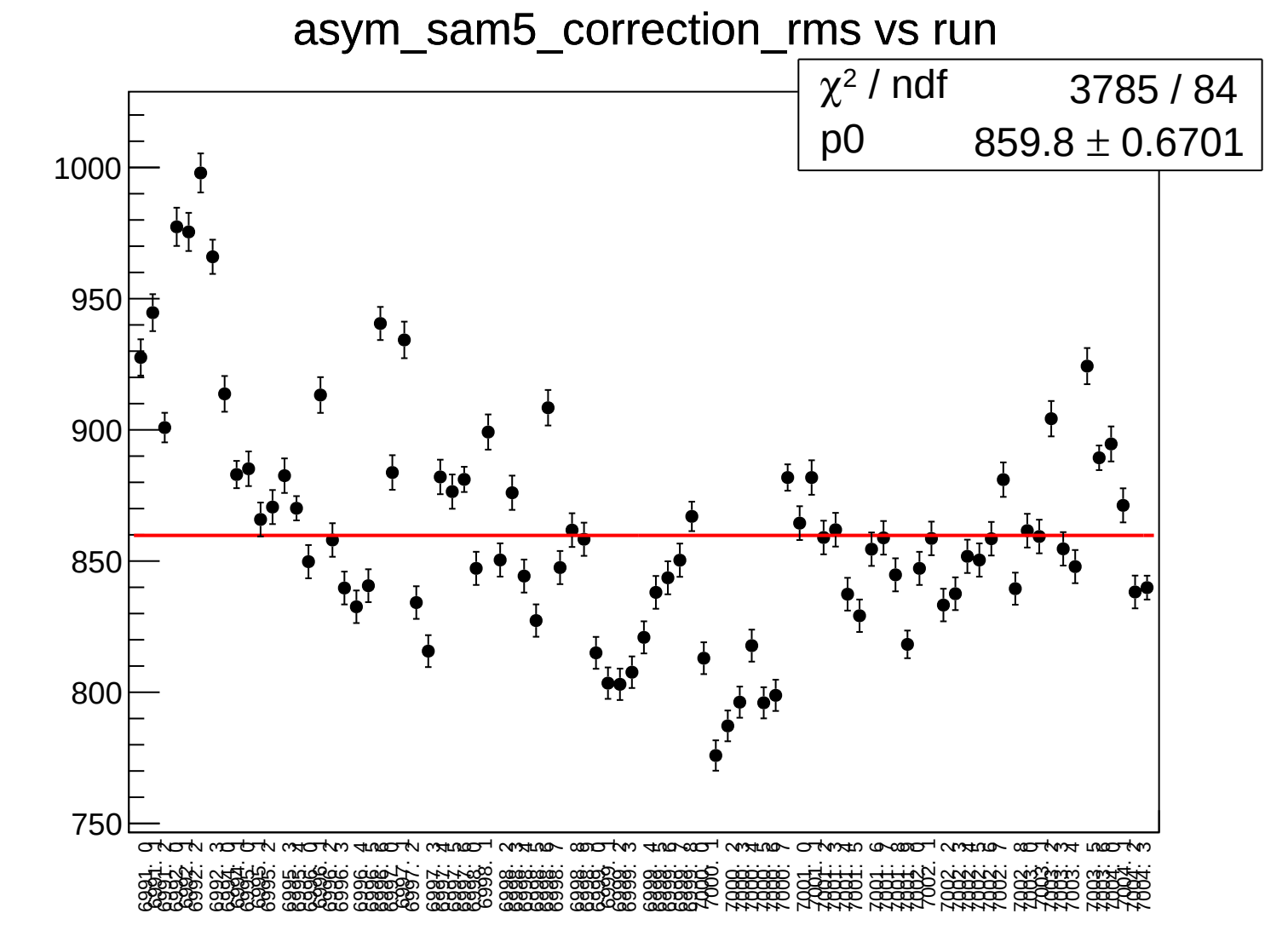

dit_asym_sam5_mean vs run
χ² / ndf 86.93 / 84
p0 −38.62 ± 182.4
pull
Entries 85
Mean 8042
Std Dev 8006

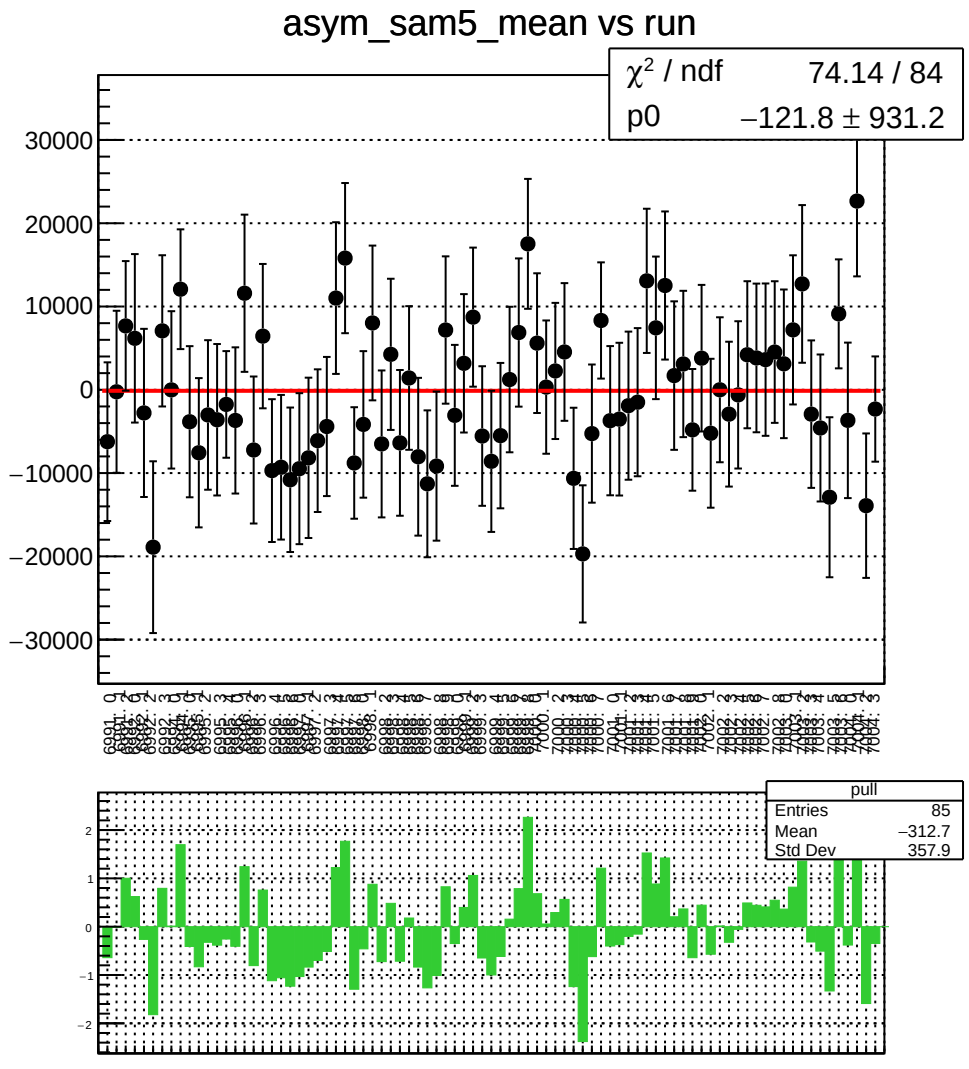

pull1D
Entries 85
Mean 0.0005488
Std Dev 1.011

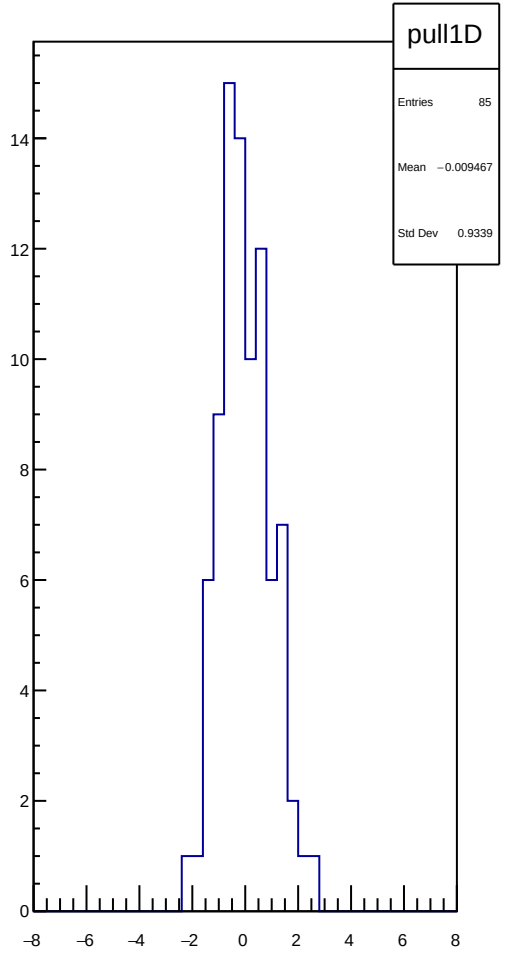

dit_asym_sam5_rms vs run
χ² / ndf 369.6 / 84
p0 165.7 ± 0.129
172
170
168
166
164
162
160
158
156

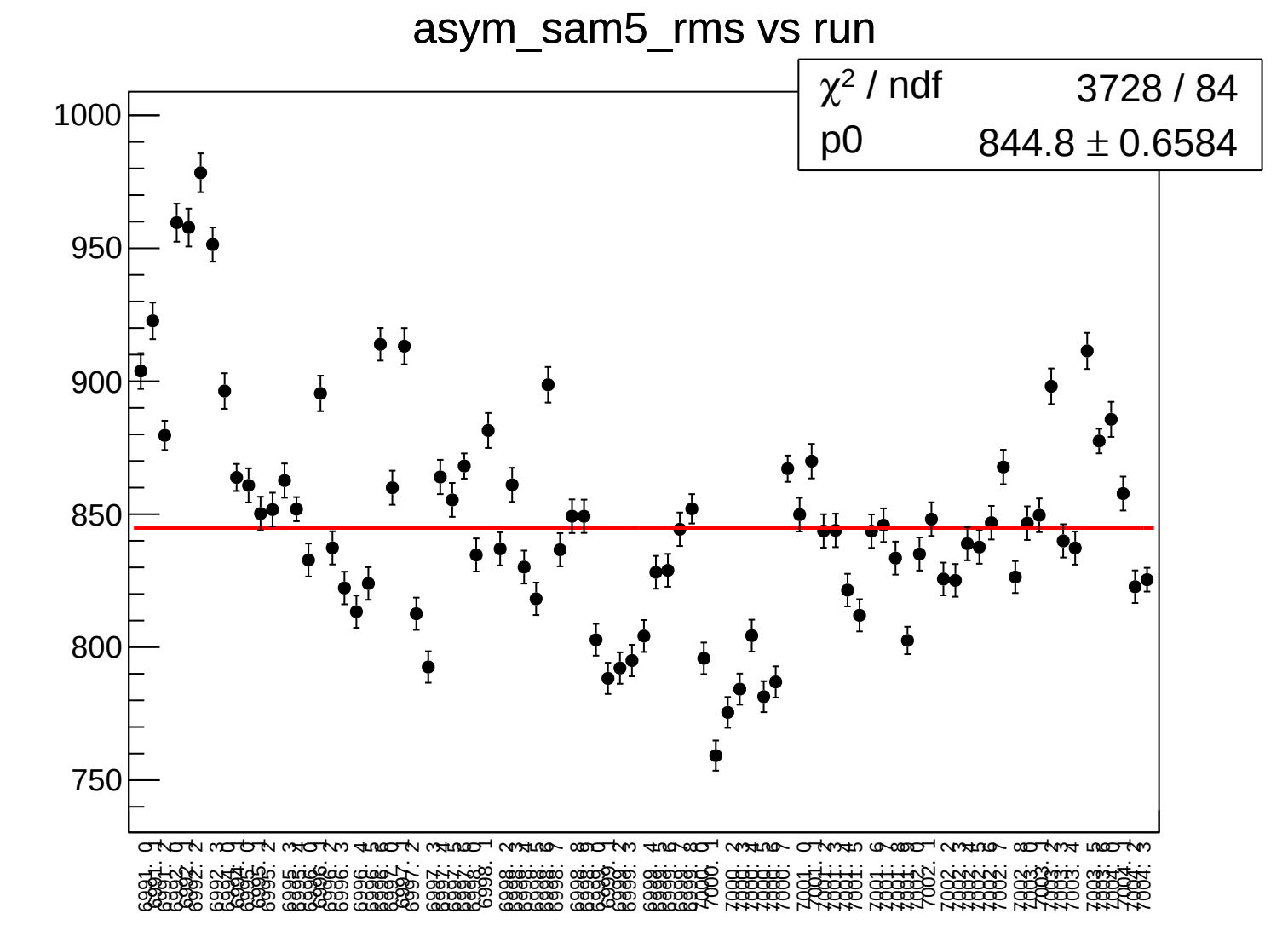

asym_sam5_correction_mean vs run
χ² / ndf 74.8 / 84
p0 100.8 ± 947.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −251.2
Std Dev 299.6
2
1
0
−1
−2

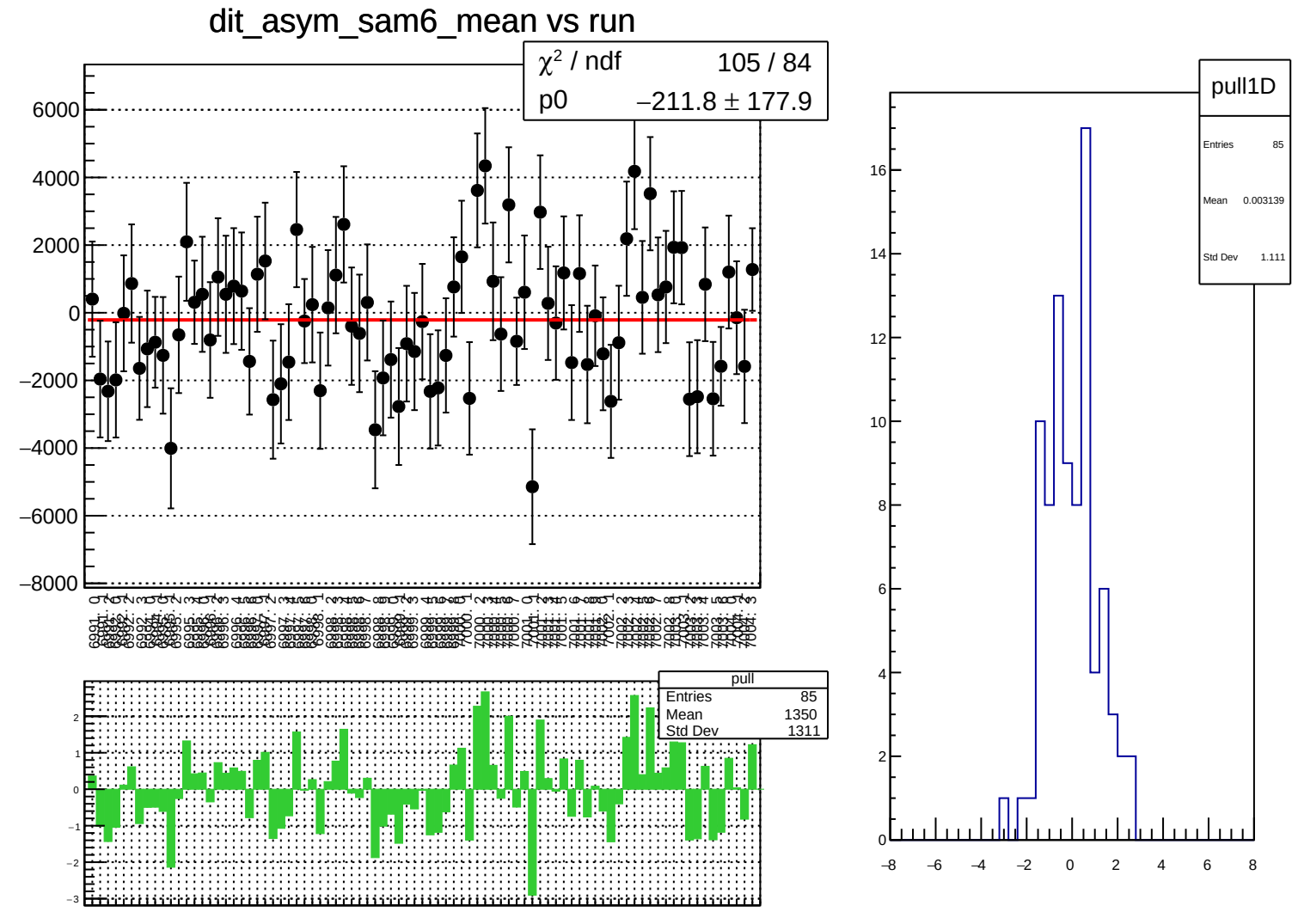

pull1D
Entries 85
Mean 0.008334
Std Dev 0.9381
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

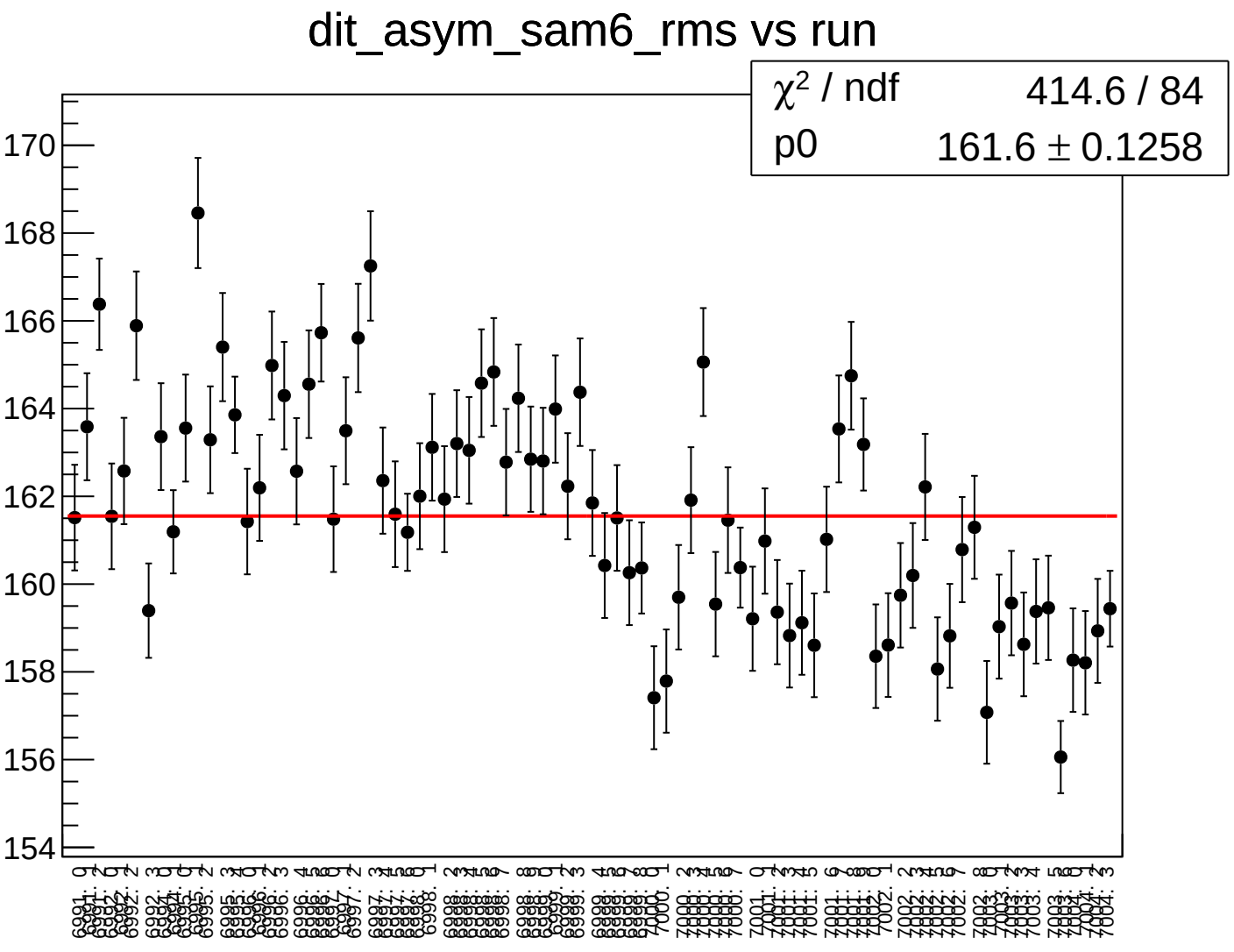

asym_sam5_correction_rms vs run
χ² / ndf 3785 / 84
p0 859.8 ± 0.6701
1000
950
900
850
800
750

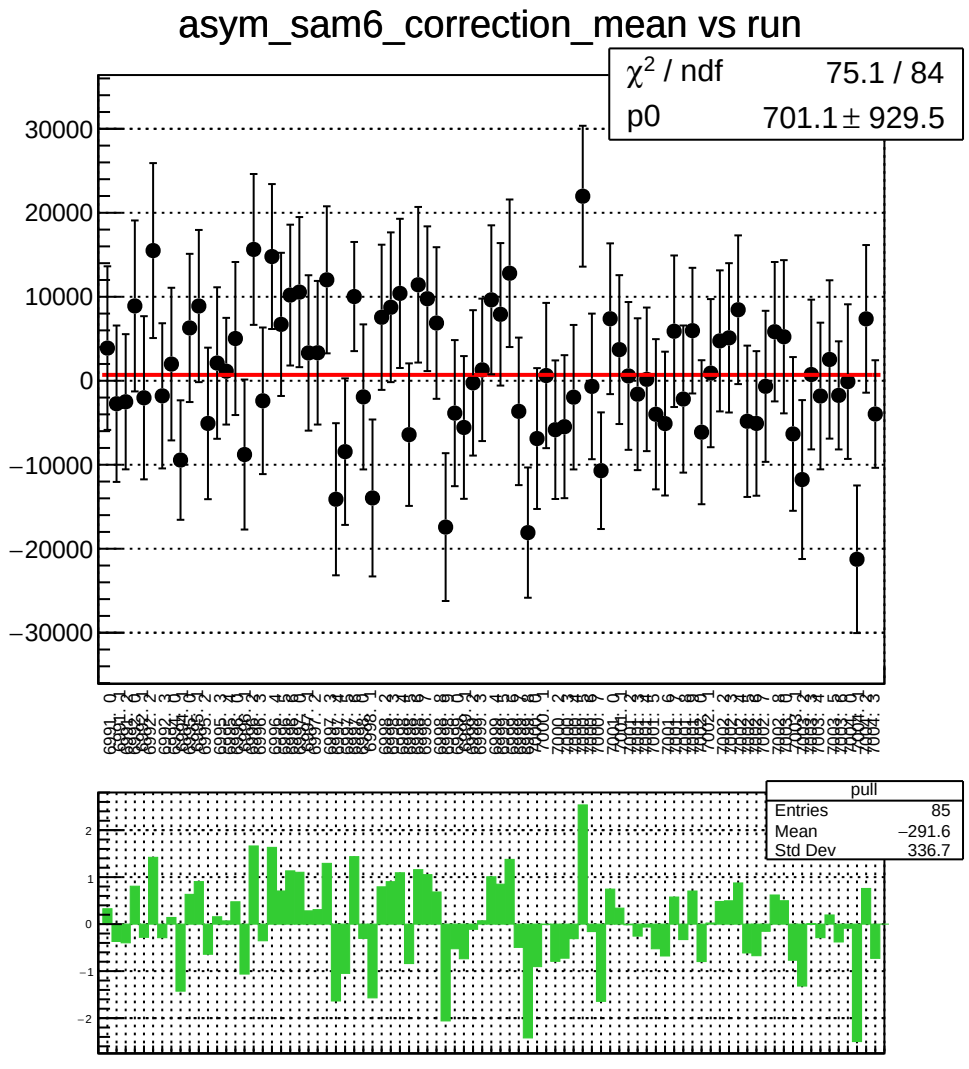

asym_sam5_mean vs run
χ² / ndf 74.14 / 84
p0 −121.8 ± 931.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −312.7
Std Dev 357.9
2
1
0
−1
−2

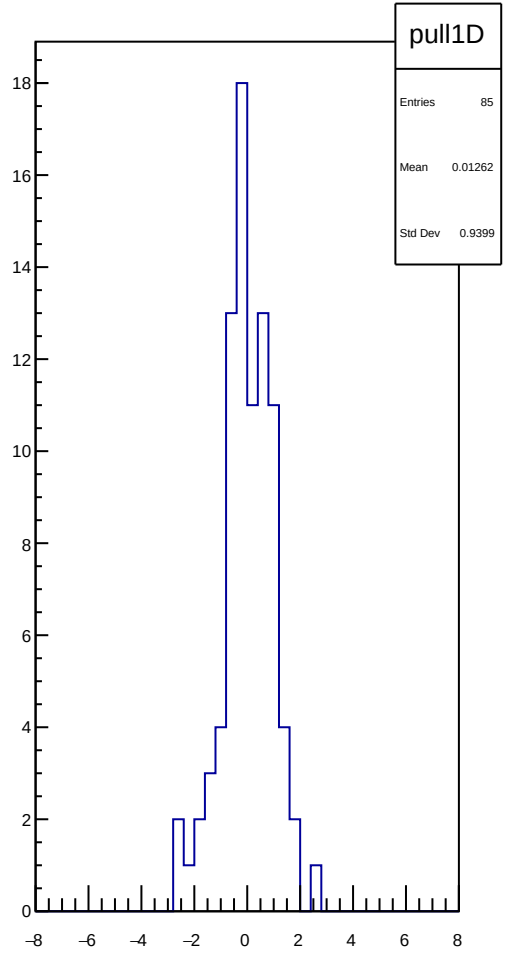

pull1D
Entries 85
Mean −0.009467
Std Dev 0.9339
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

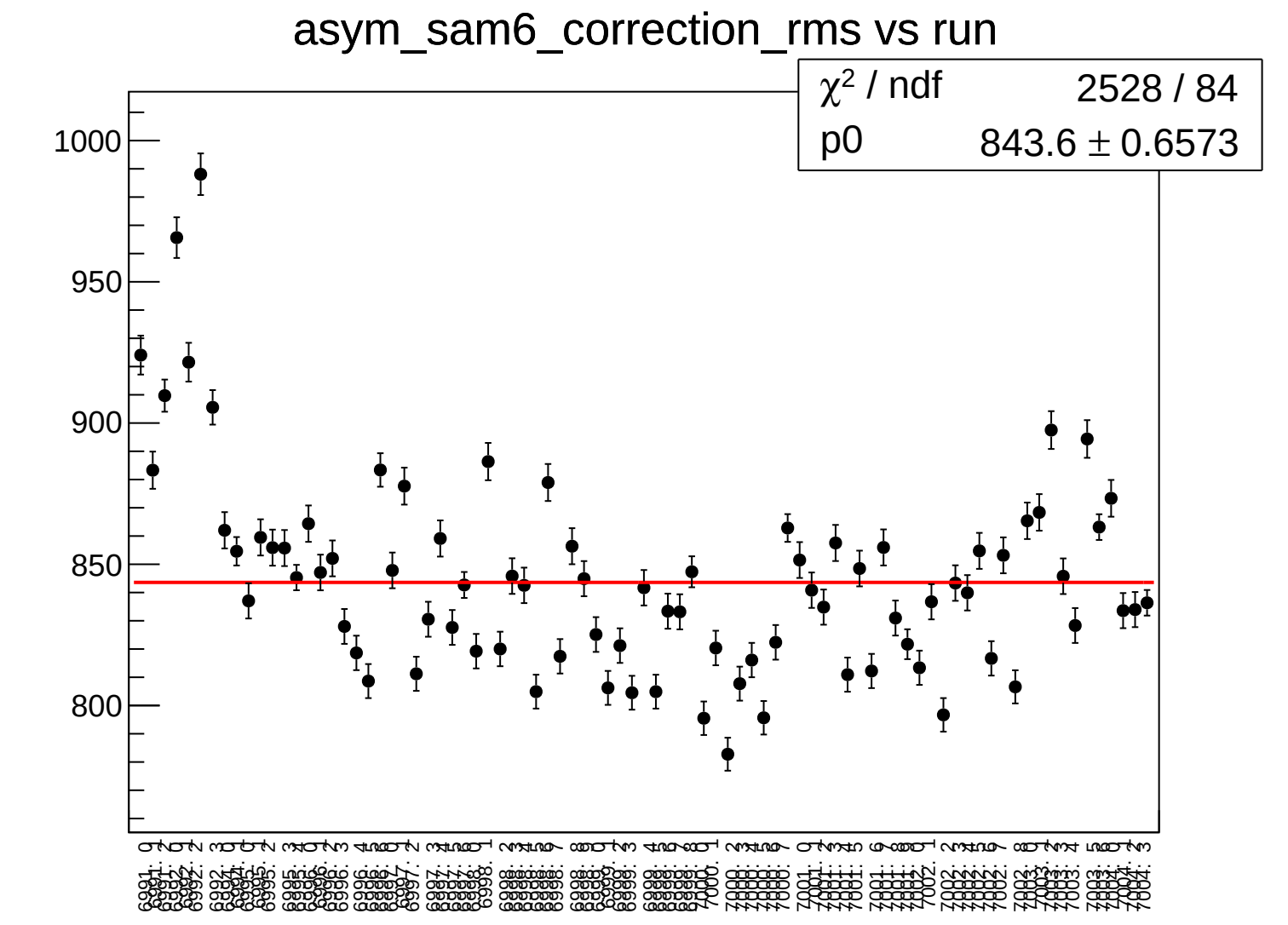

asym_sam5_rms vs run
χ² / ndf 3728 / 84
p0 844.8 ± 0.6584
1000
950
900
850
800
750

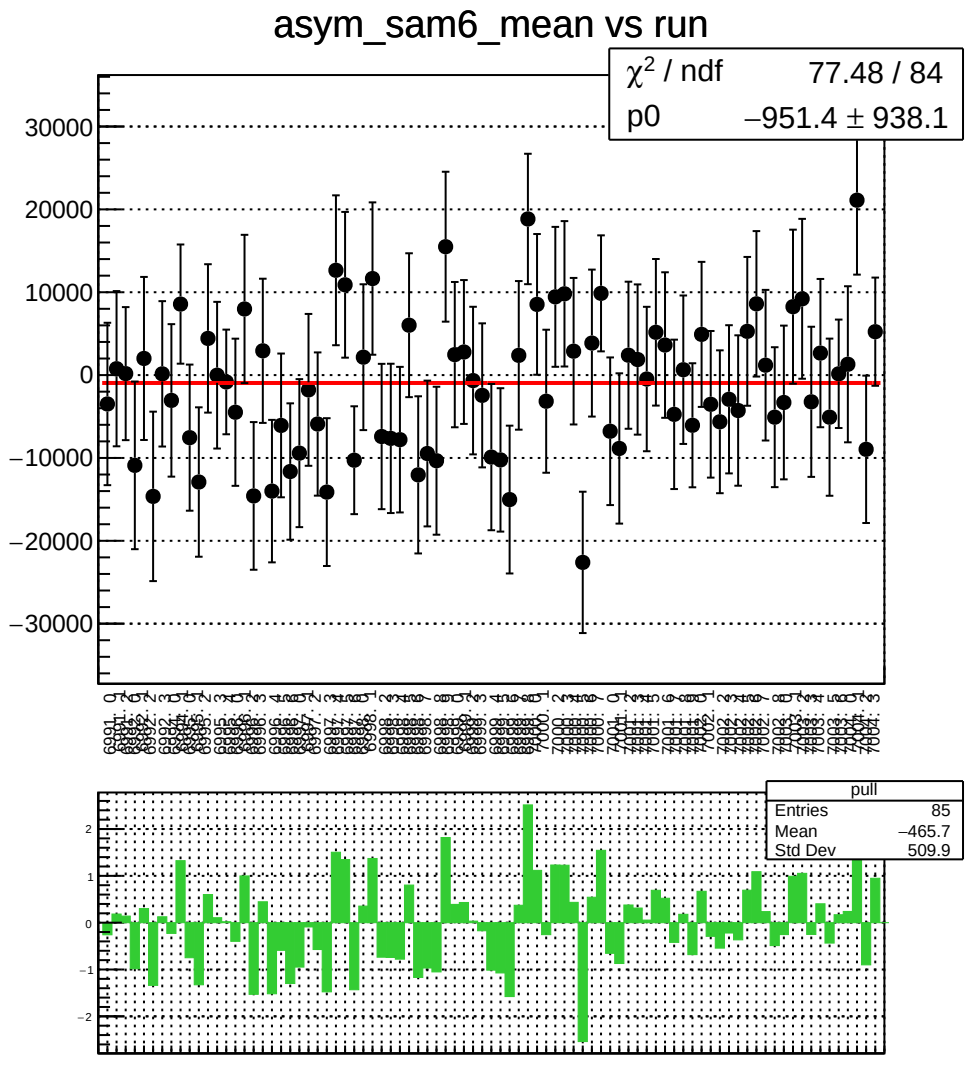

dit_asym_sam6_mean vs run
χ² / ndf 105 / 84
p0 −211.8 ± 177.9
pull
Entries 85
Mean 1350
Std Dev 1311
pull1D
Entries 85
Mean 0.003139
Std Dev 1.111

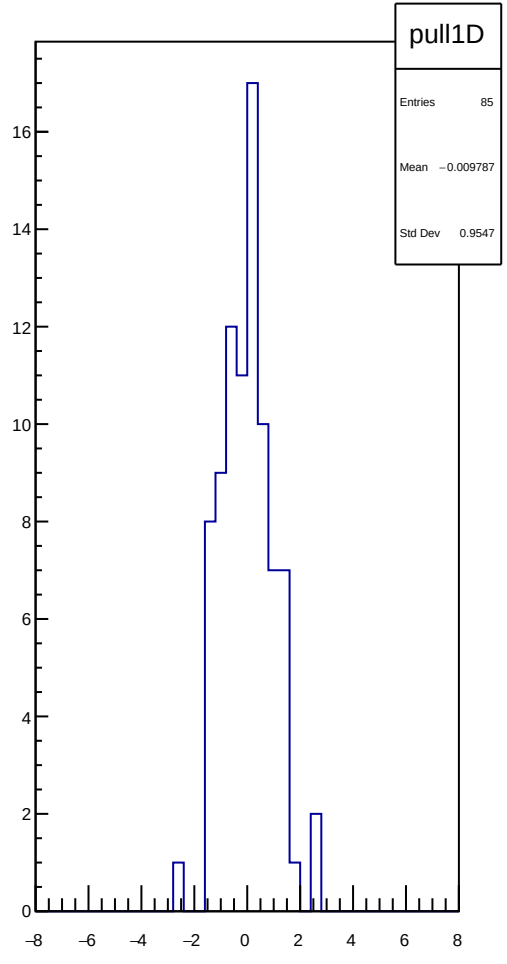

dit_asym_sam6_rms vs run
χ² / ndf 414.6 / 84
p0 161.6 ± 0.1258
170
168
166
164
162
160
158
156
154

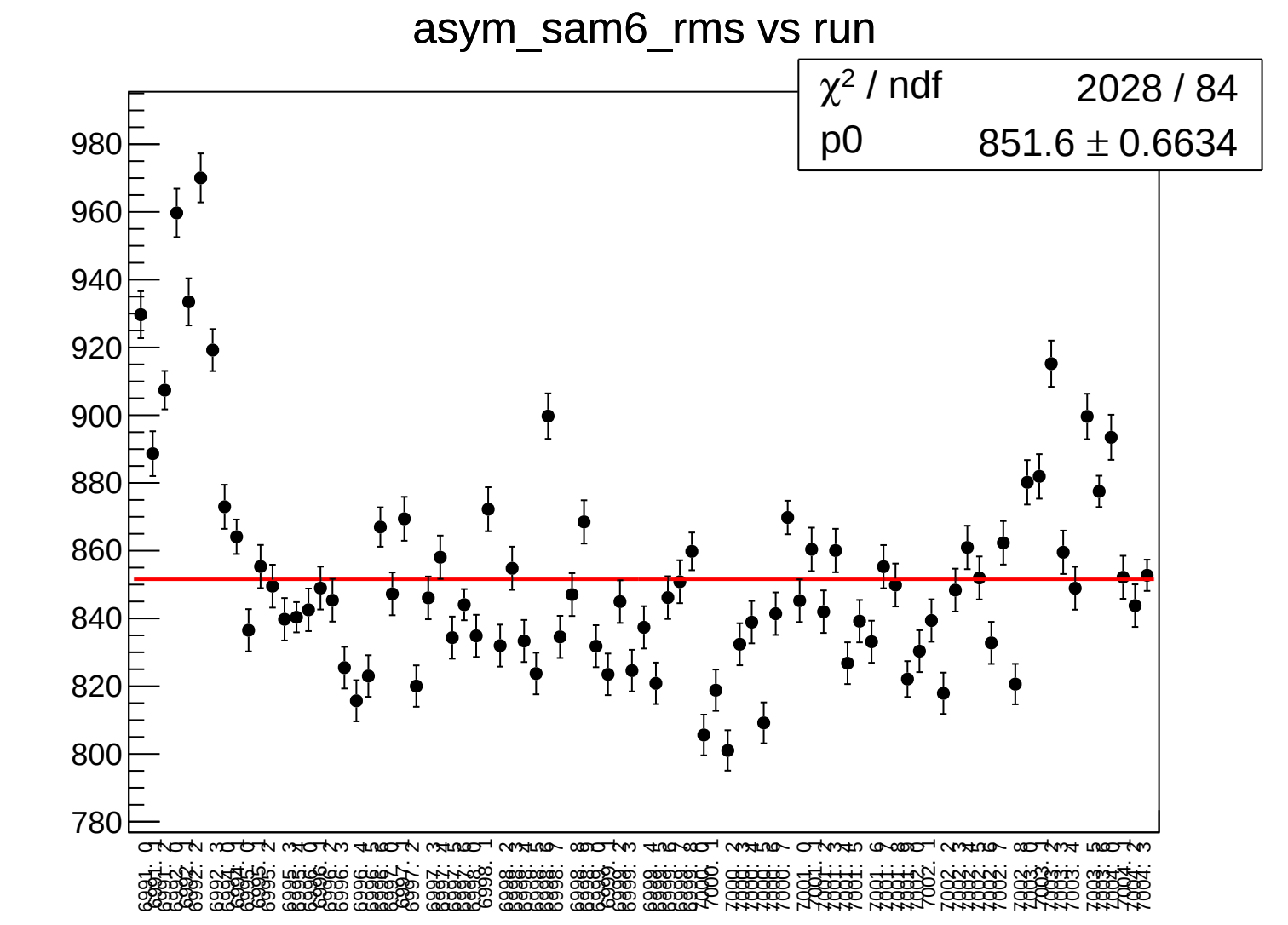

asym_sam6_correction_mean vs run
χ² / ndf 75.1 / 84
p0 701.1 ± 929.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −291.6
Std Dev 336.7
2
1
0
−1
−2

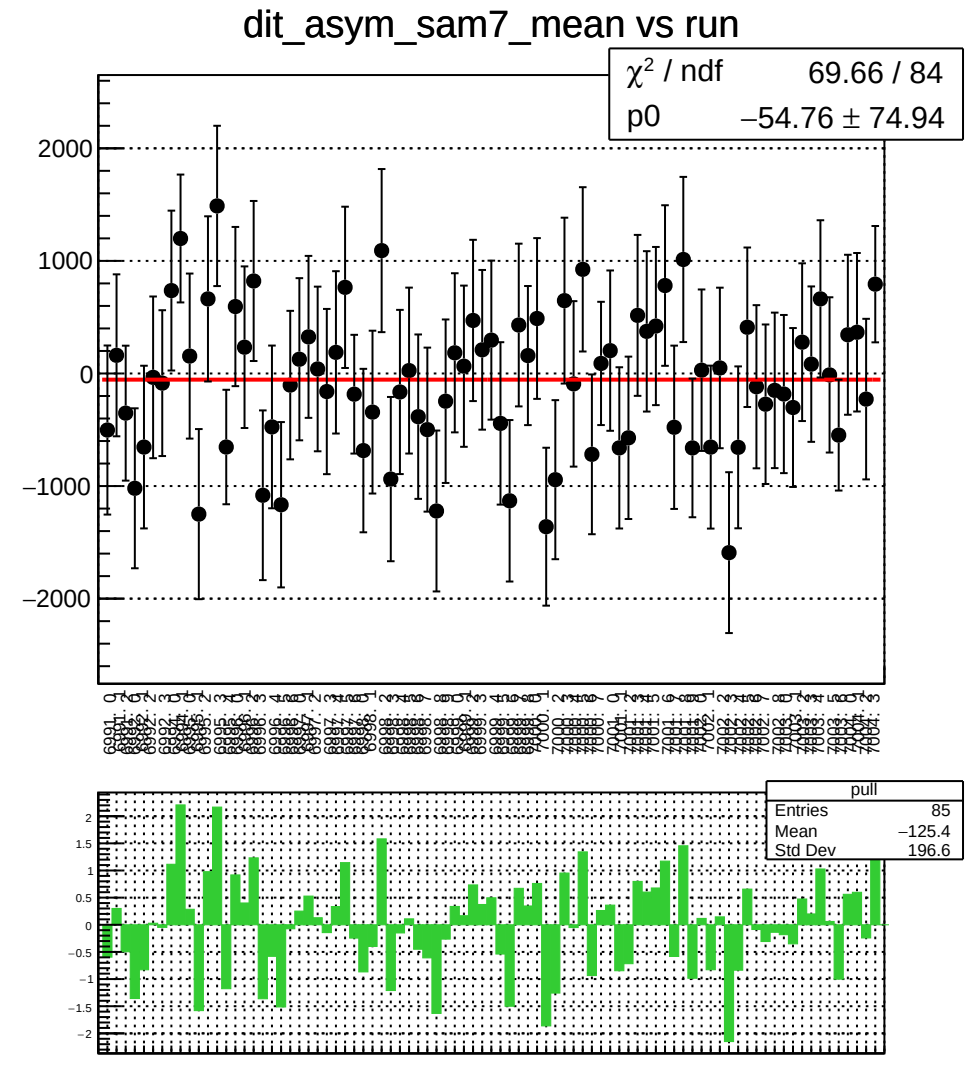

pull1D
Entries 85
Mean 0.01262
Std Dev 0.9399
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

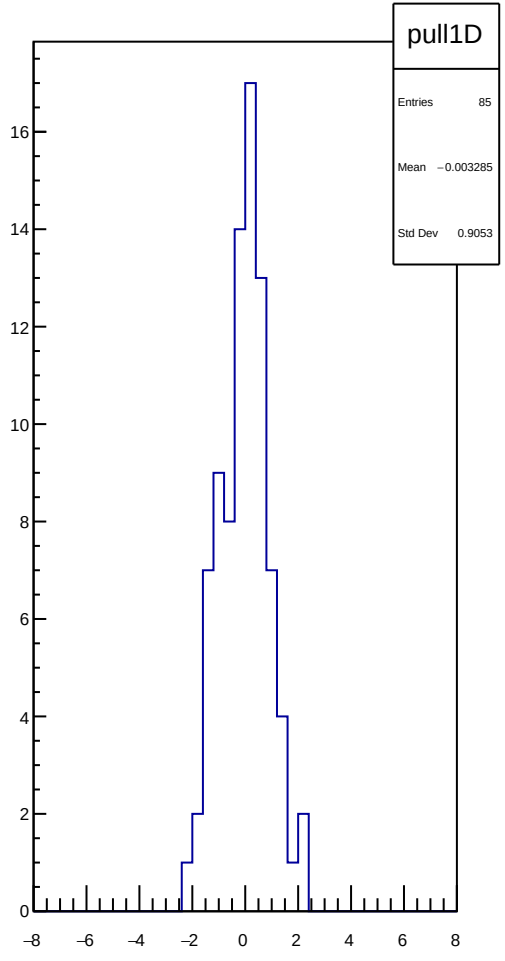

asym_sam6_correction_rms vs run
χ² / ndf 2528 / 84
p0 843.6 ± 0.6573
1000
950
900
850
800

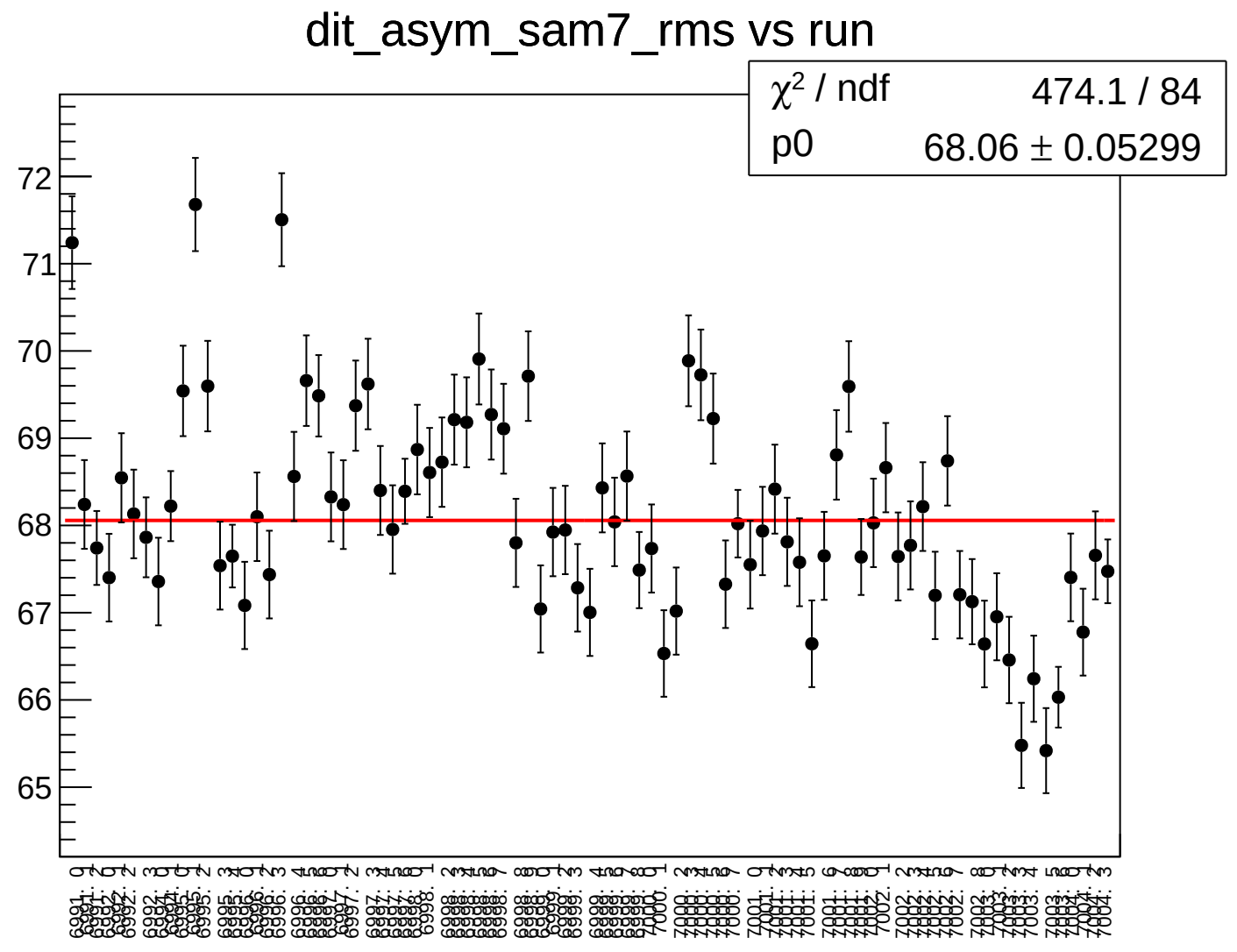

asym_sam6_mean vs run
χ^2 / ndf 77.48 / 84
p0 −951.4 ± 938.1
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −465.7
Std Dev 509.9
2
1
0
−1
−2

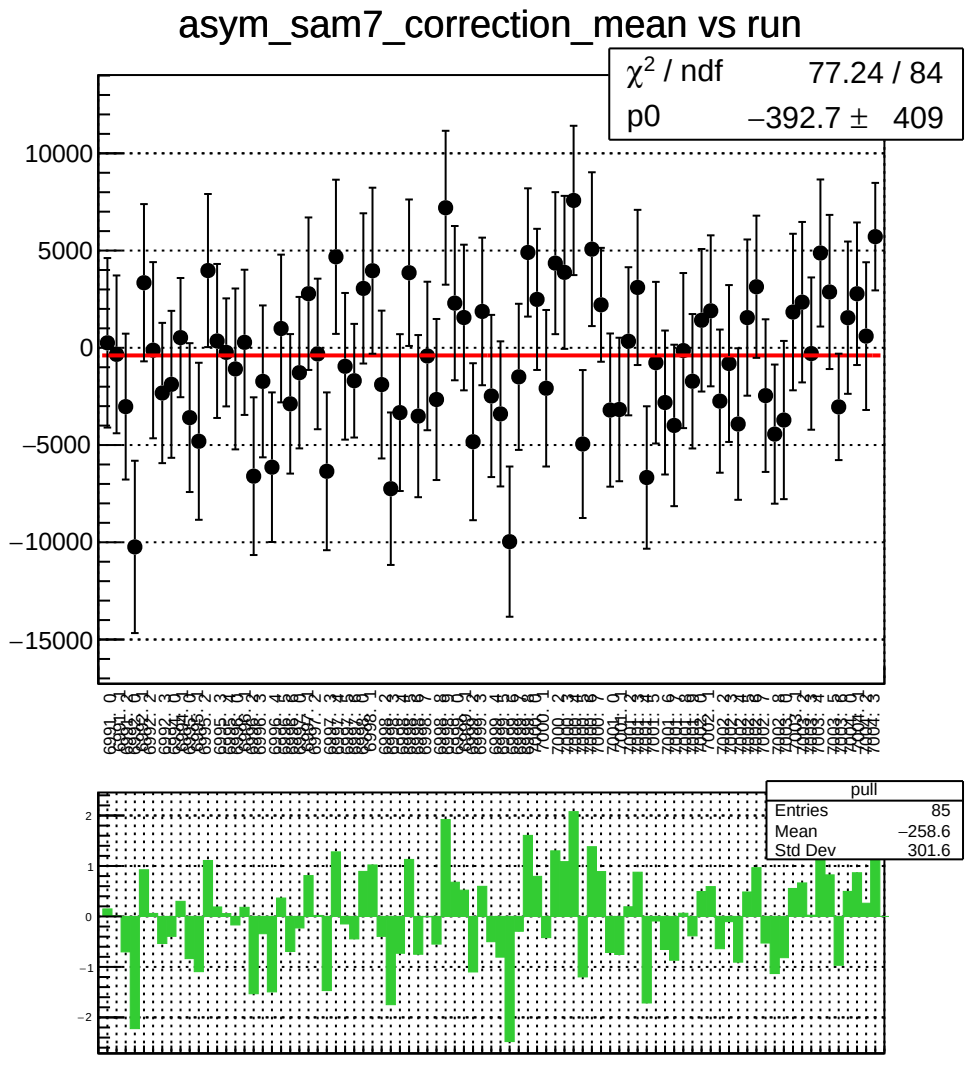

pull1D
Entries 85
Mean −0.009787
Std Dev 0.9547
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

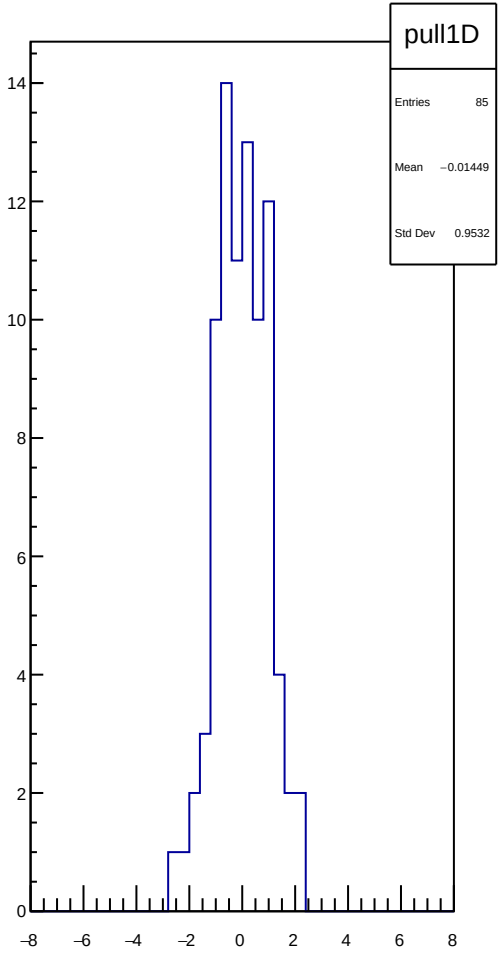

asym_sam6_rms vs run
χ^2 / ndf 2028 / 84
p0 851.6 ± 0.6634
980
960
940
920
900
880
860
840
820
800
780

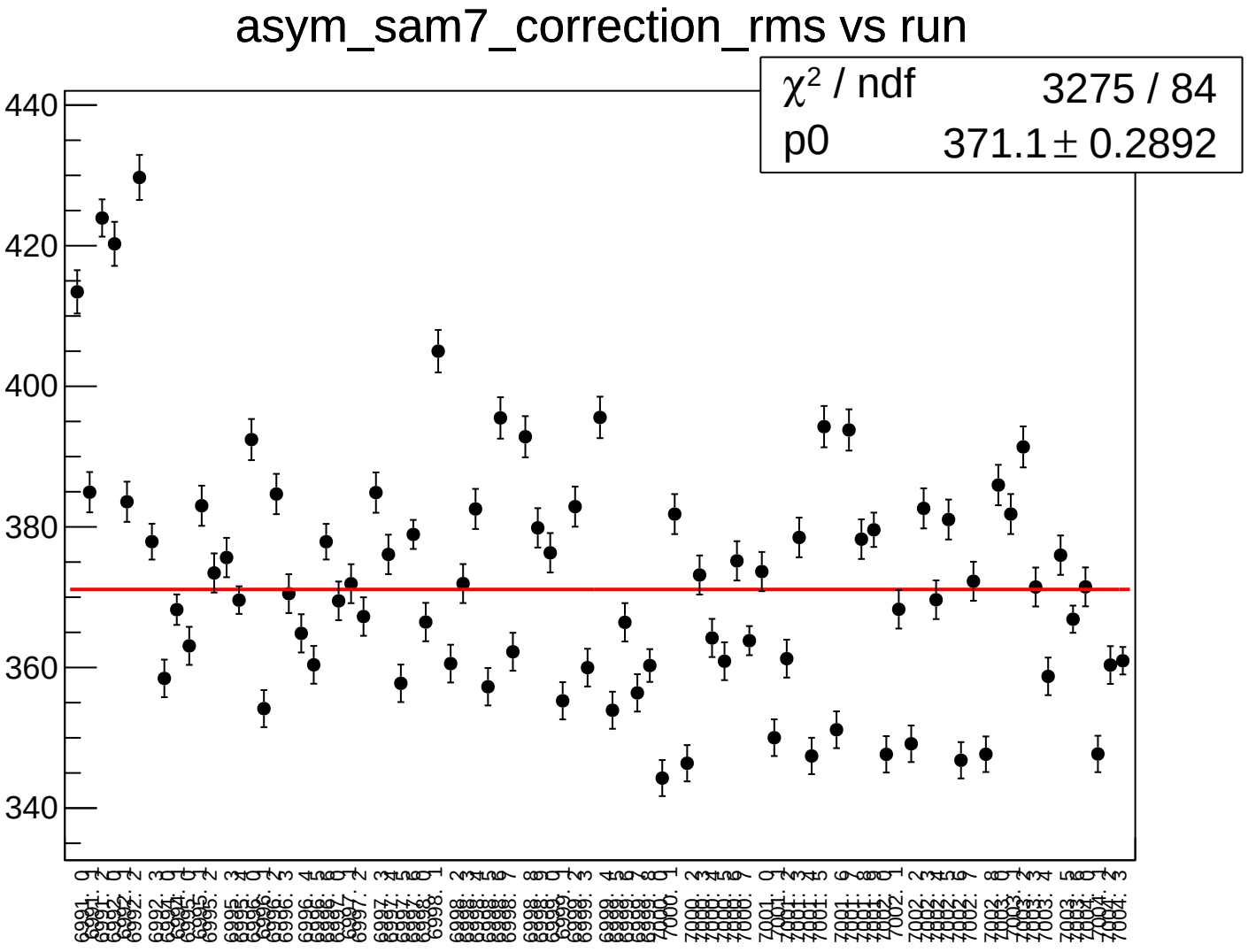

dit_asym_sam7_mean vs run
χ² / ndf 69.66 / 84
p0 −54.76 ± 74.94
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −125.4
Std Dev 196.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

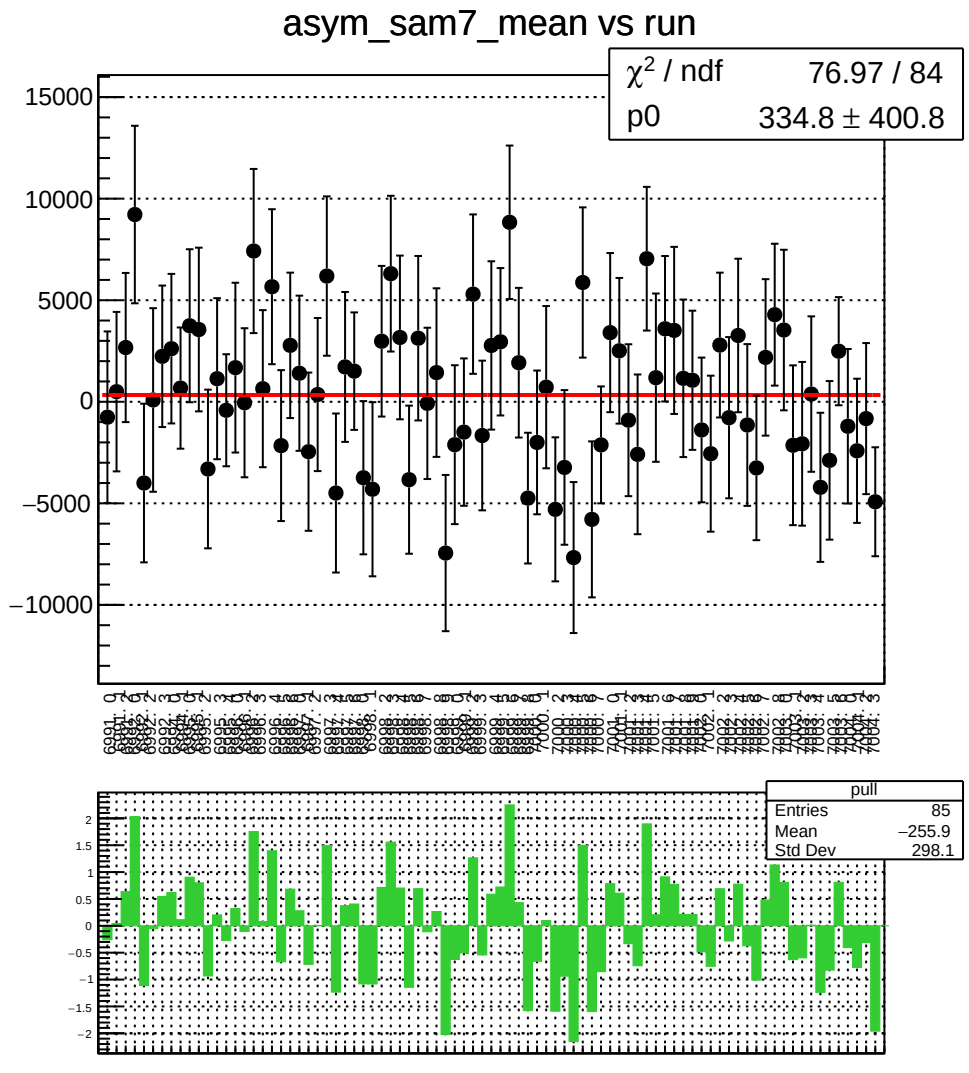

pull1D
Entries 85
Mean −0.003285
Std Dev 0.9053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

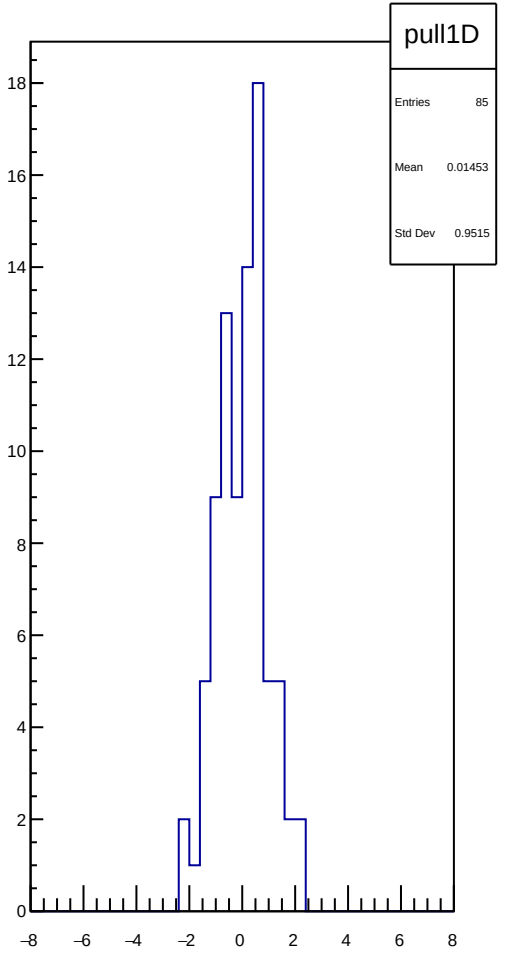

dit_asym_sam7_rms vs run
χ^2 / ndf 474.1 / 84
p0 68.06 ± 0.05299
72
71
70
69
68
67
66
65

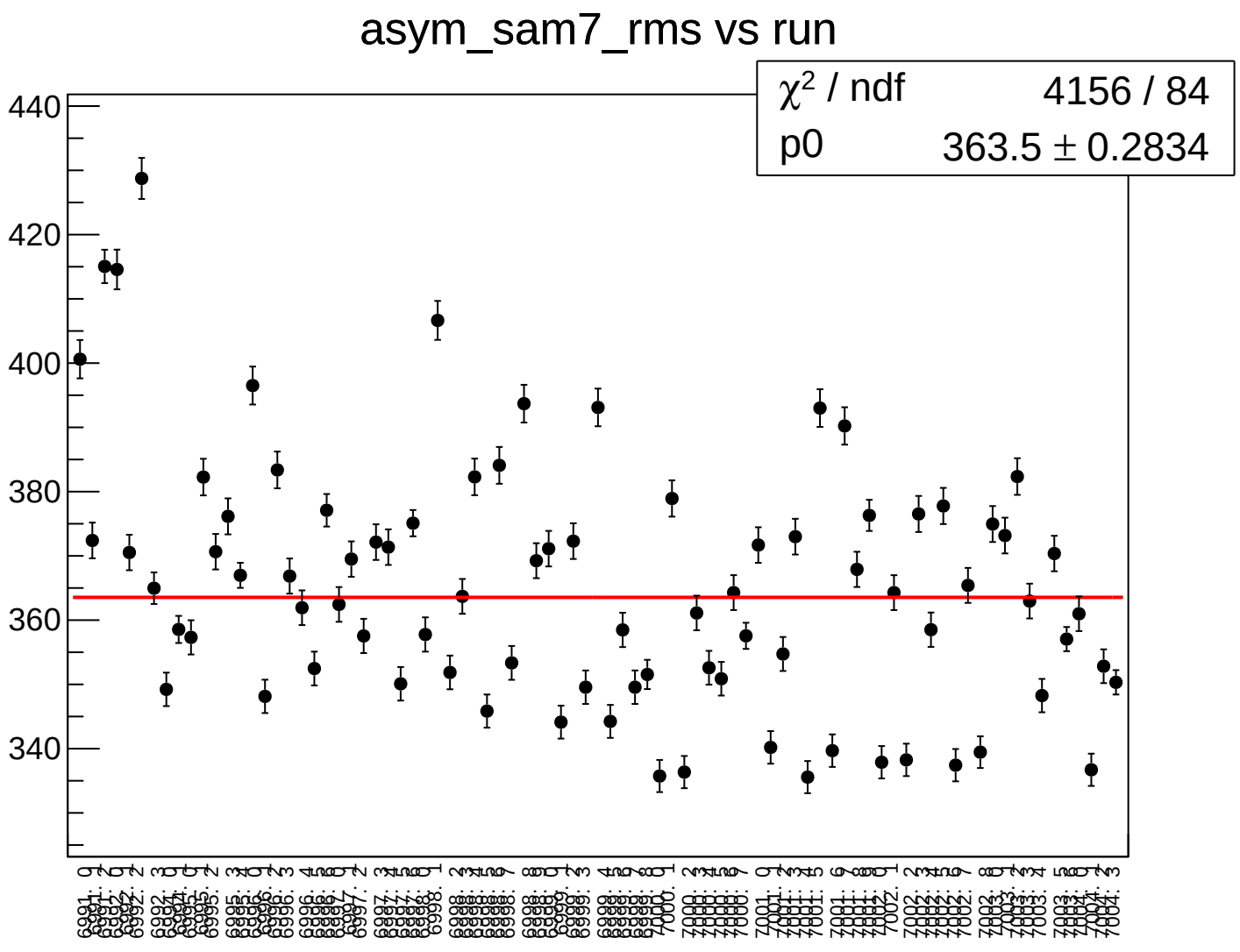

asym_sam7_correction_mean vs run
χ² / ndf 77.24 / 84
p0 −392.7 ± 409
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −258.6
Std Dev 301.6
2
1
0
−1
−2

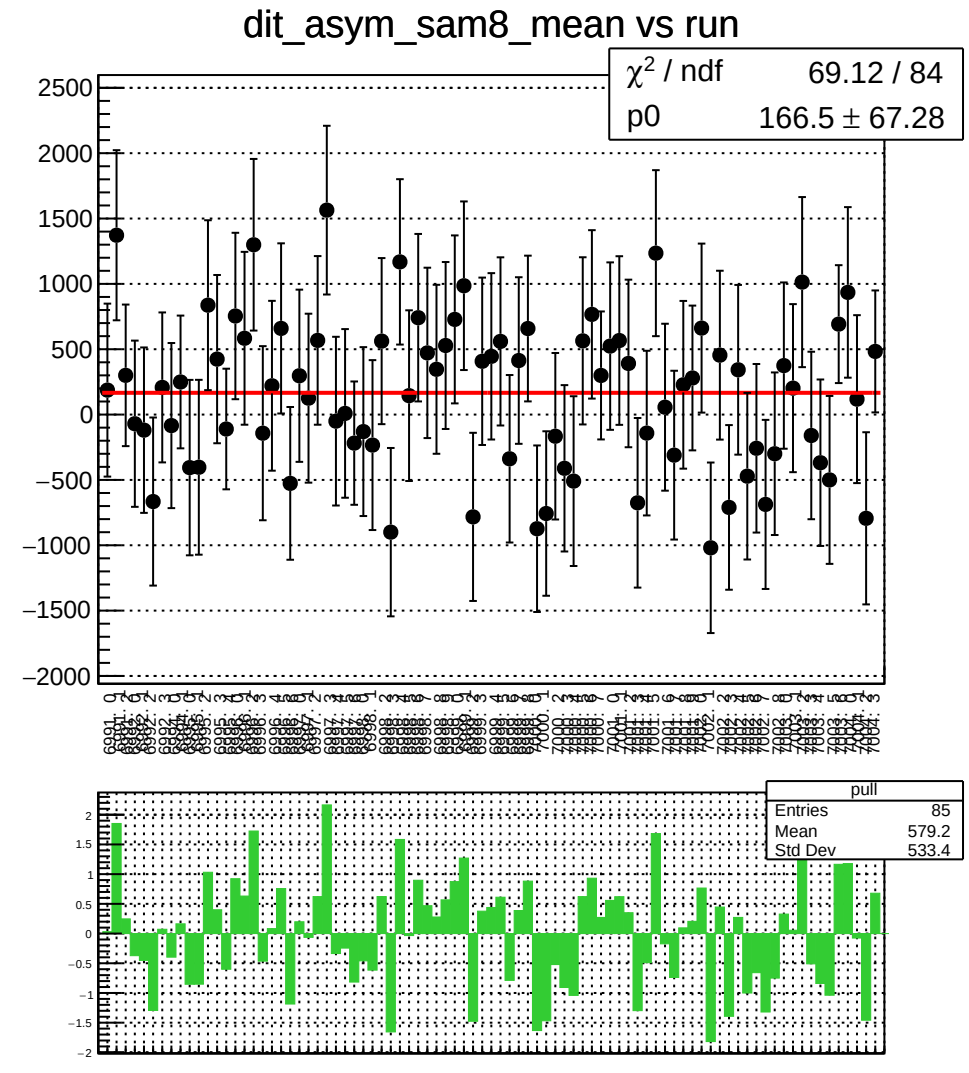

pull1D
Entries 85
Mean −0.01449
Std Dev 0.9532
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

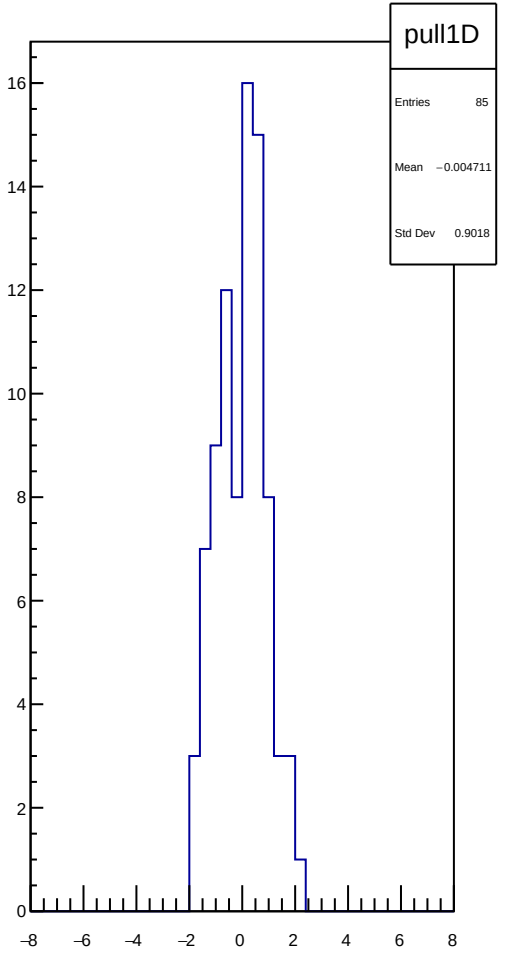

asym_sam7_correction_rms vs run
χ² / ndf 3275 / 84
p0 371.1 ± 0.2892
440
420
400
380
360
340

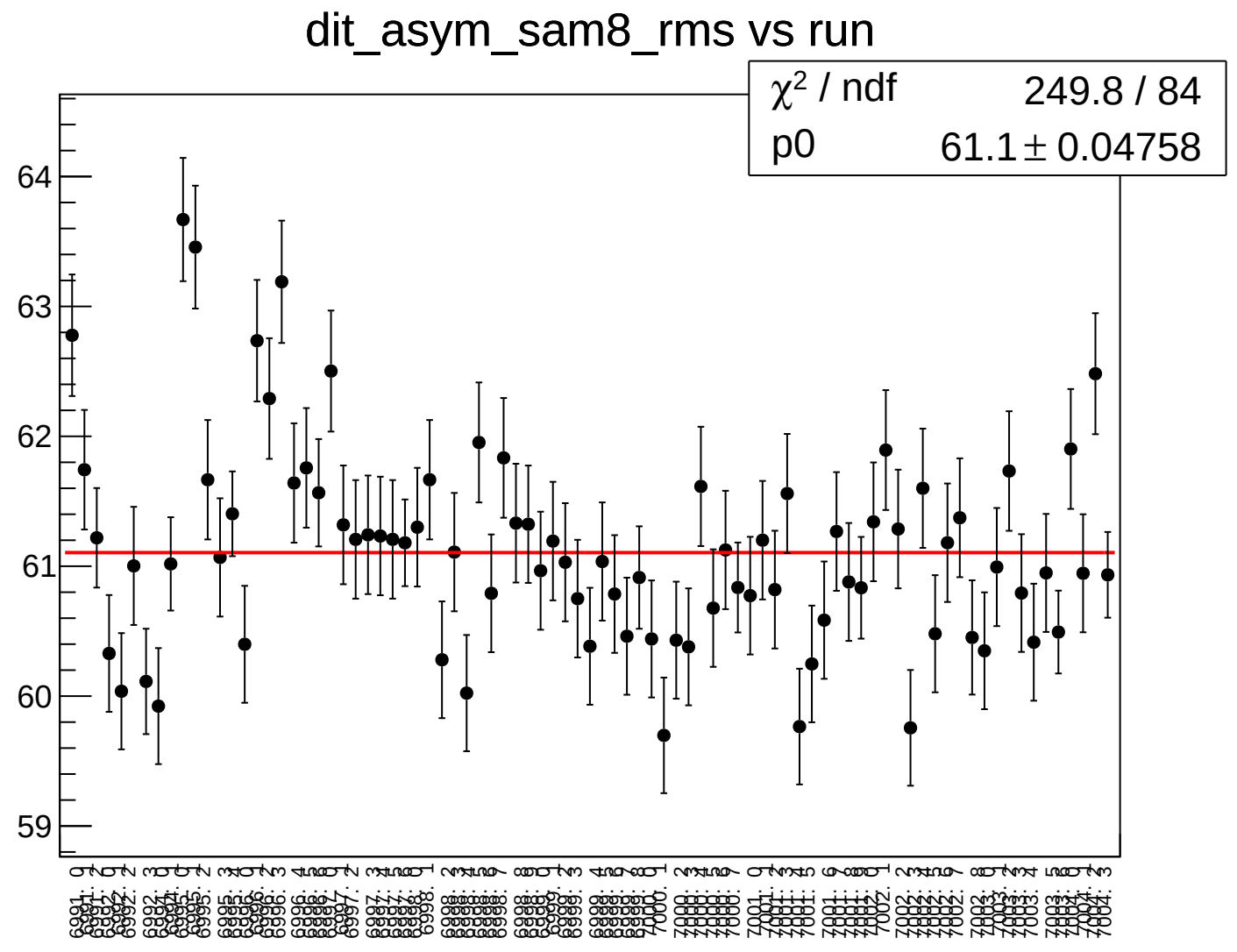

asym_sam7_mean vs run
χ² / ndf 76.97 / 84
p0 334.8 ± 400.8
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −255.9
Std Dev 298.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

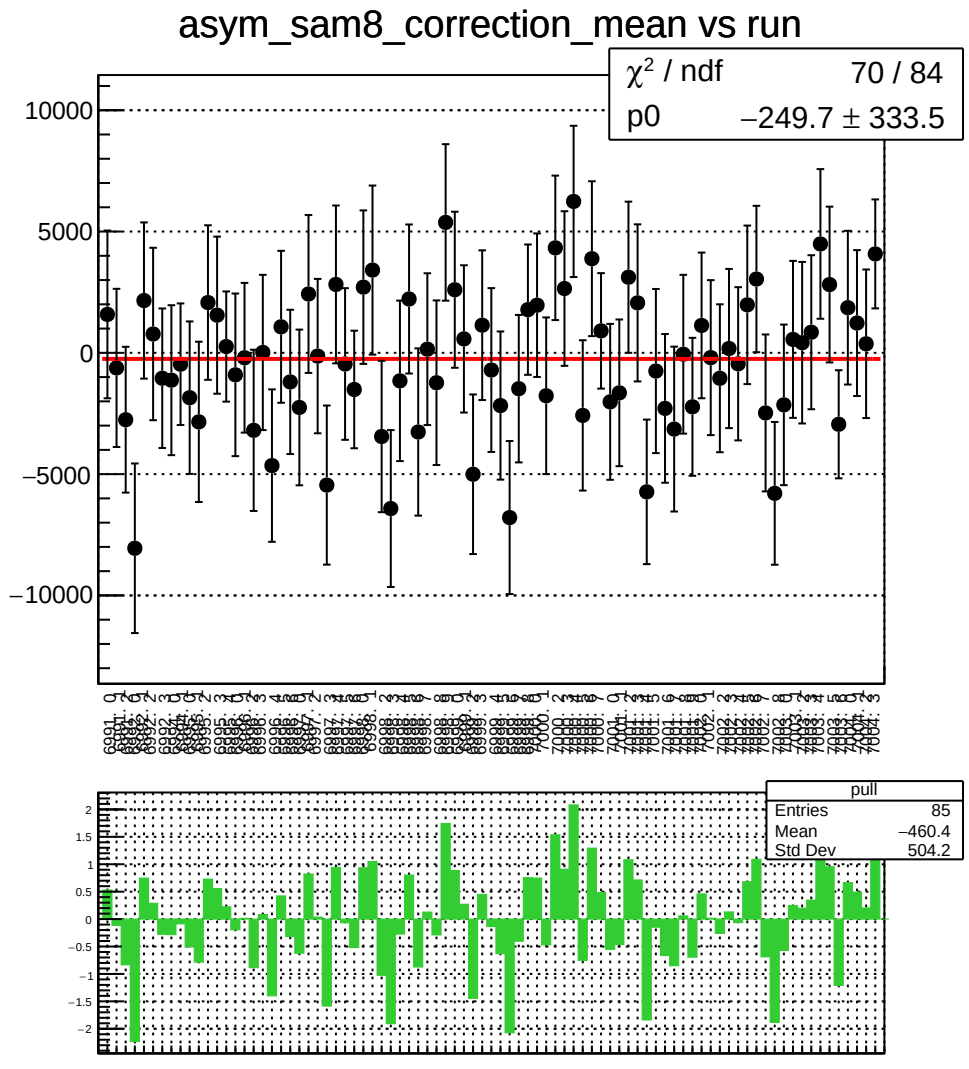

pull1D
Entries 85
Mean 0.01453
Std Dev 0.9515
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

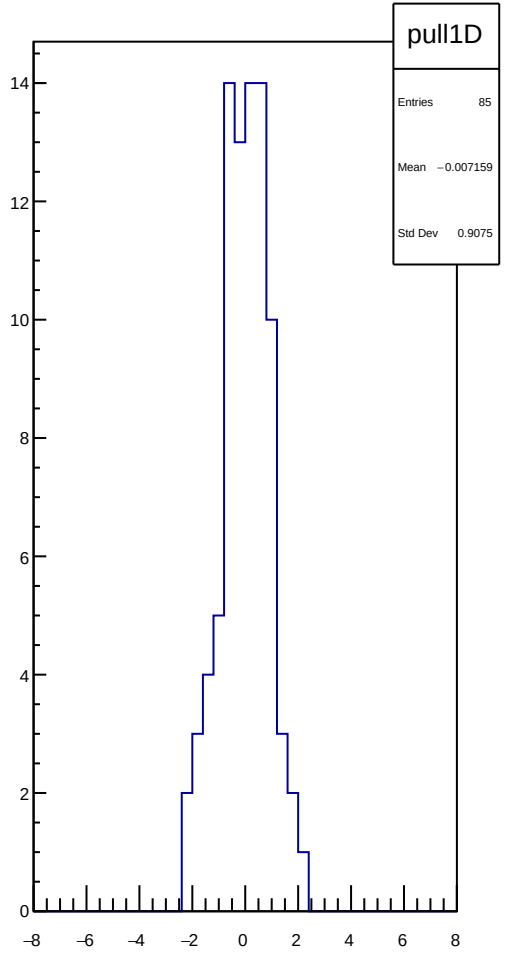

asym_sam7_rms vs run
χ² / ndf 4156 / 84
p0 363.5 ± 0.2834
440
420
400
380
360
340

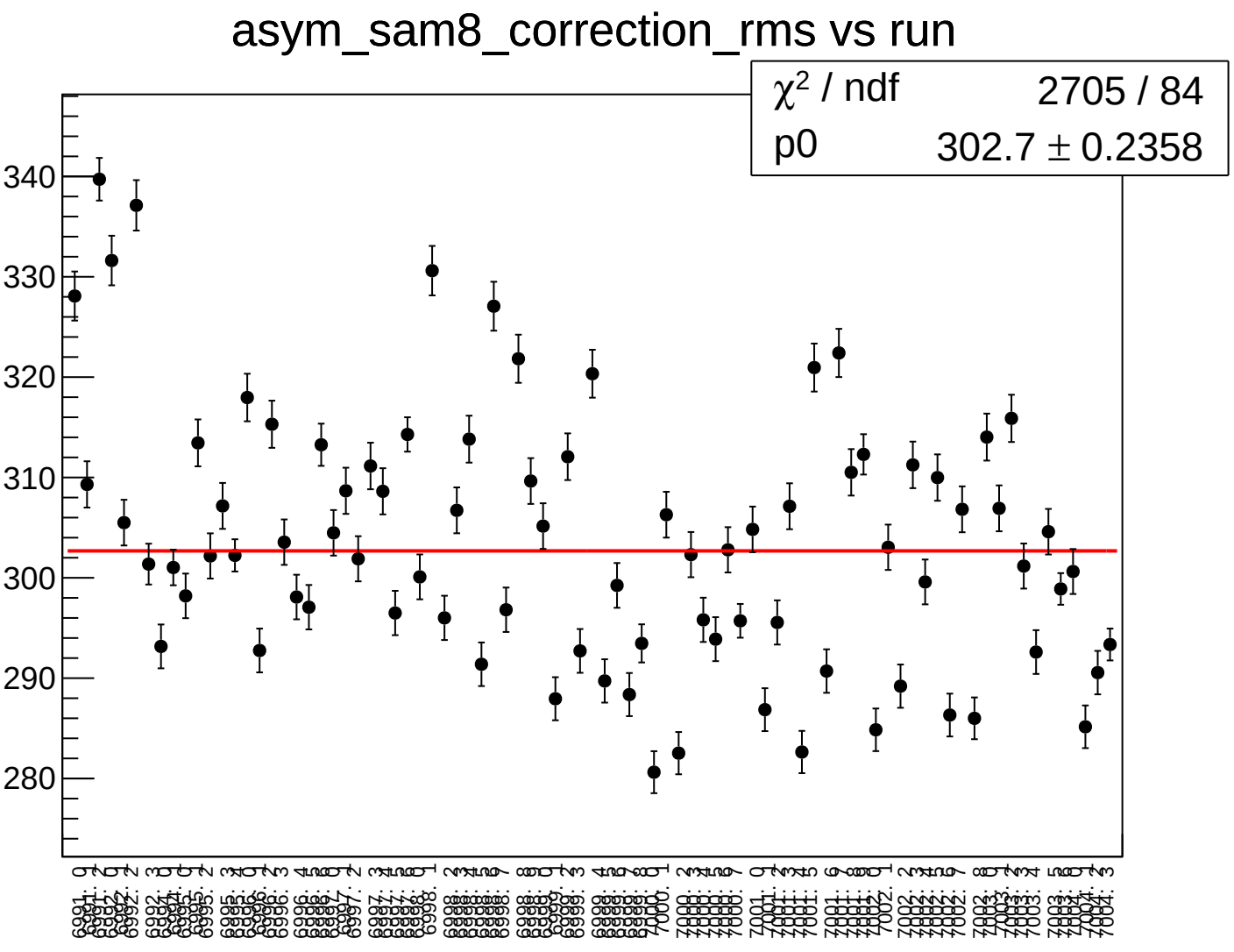

dit_asym_sam8_mean vs run
χ² / ndf 69.12 / 84
p0 166.5 ± 67.28
pull
Entries 85
Mean 579.2
Std Dev 533.4

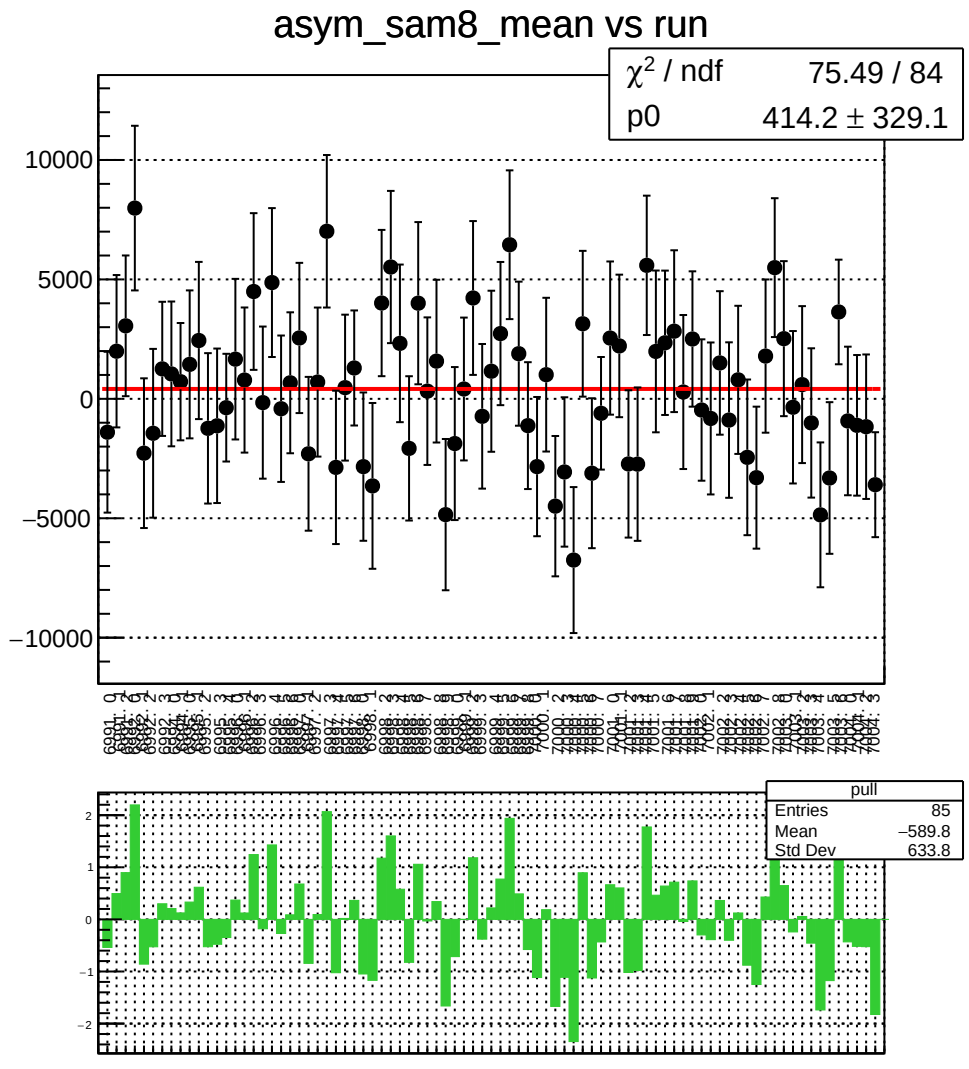

pull1D
Entries 85
Mean −0.004711
Std Dev 0.9018

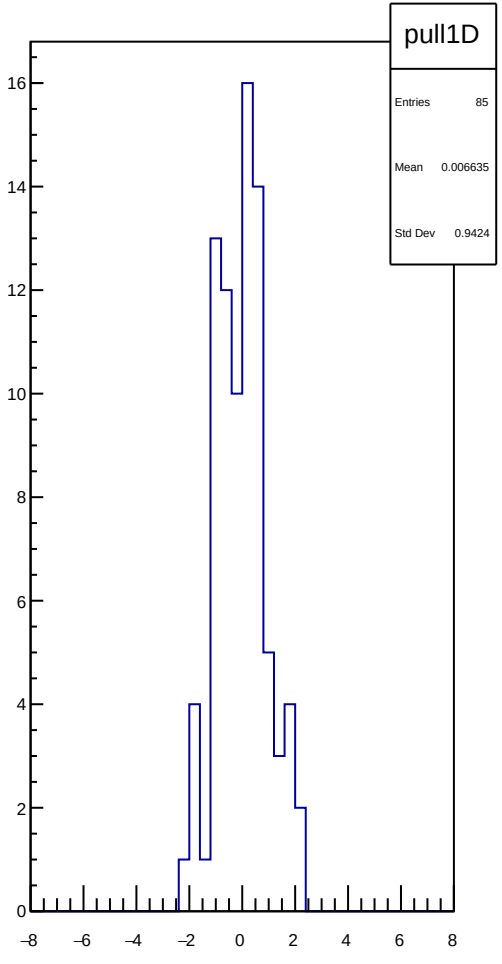

dit_asym_sam8_rms vs run
χ² / ndf 249.8 / 84
p0 61.1 ± 0.04758
64
63
62
61
60
59

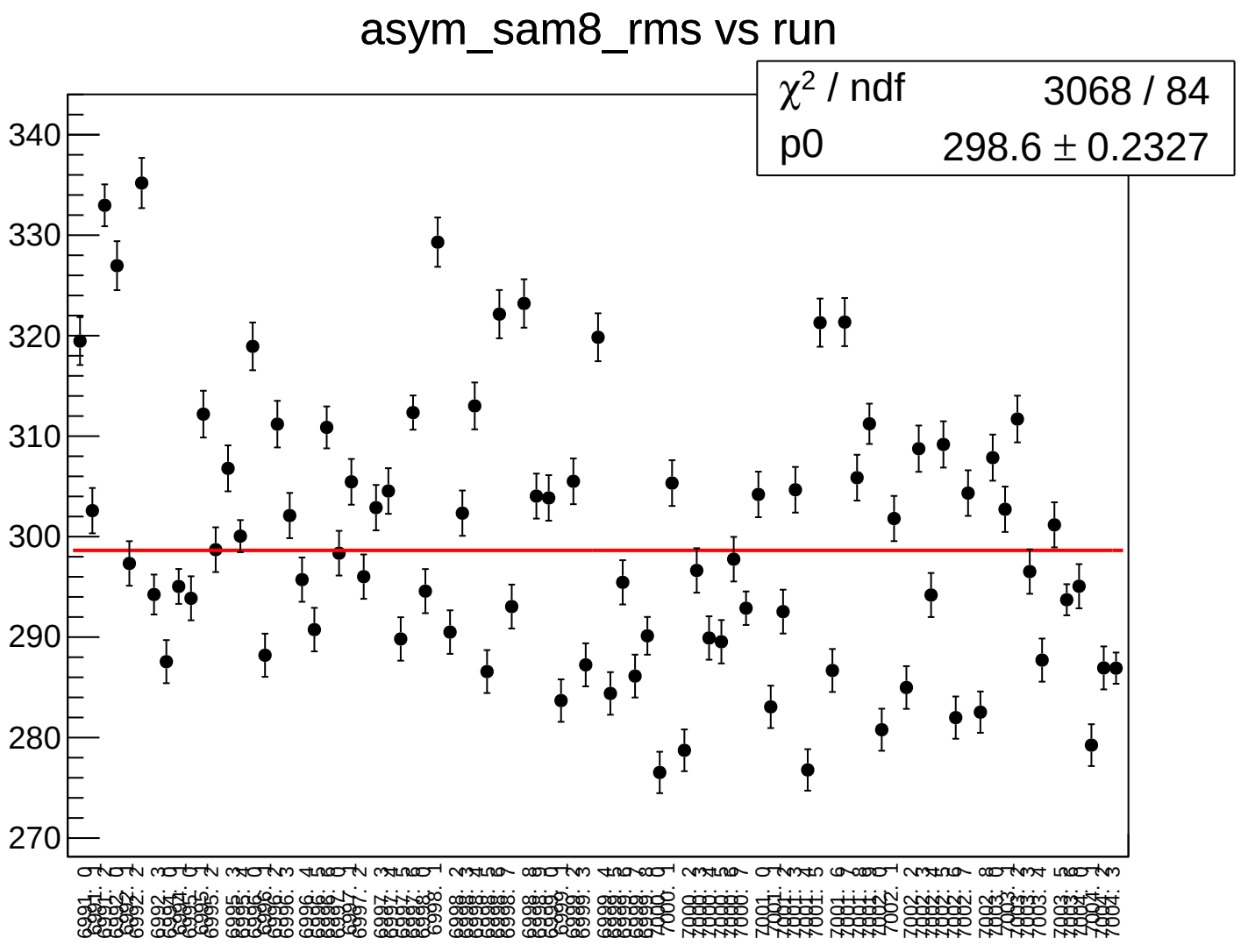

asym_sam8_correction_mean vs run
χ^2 / ndf 70 / 84
p0 −249.7 ± 333.5
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −460.4
Std Dev 504.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

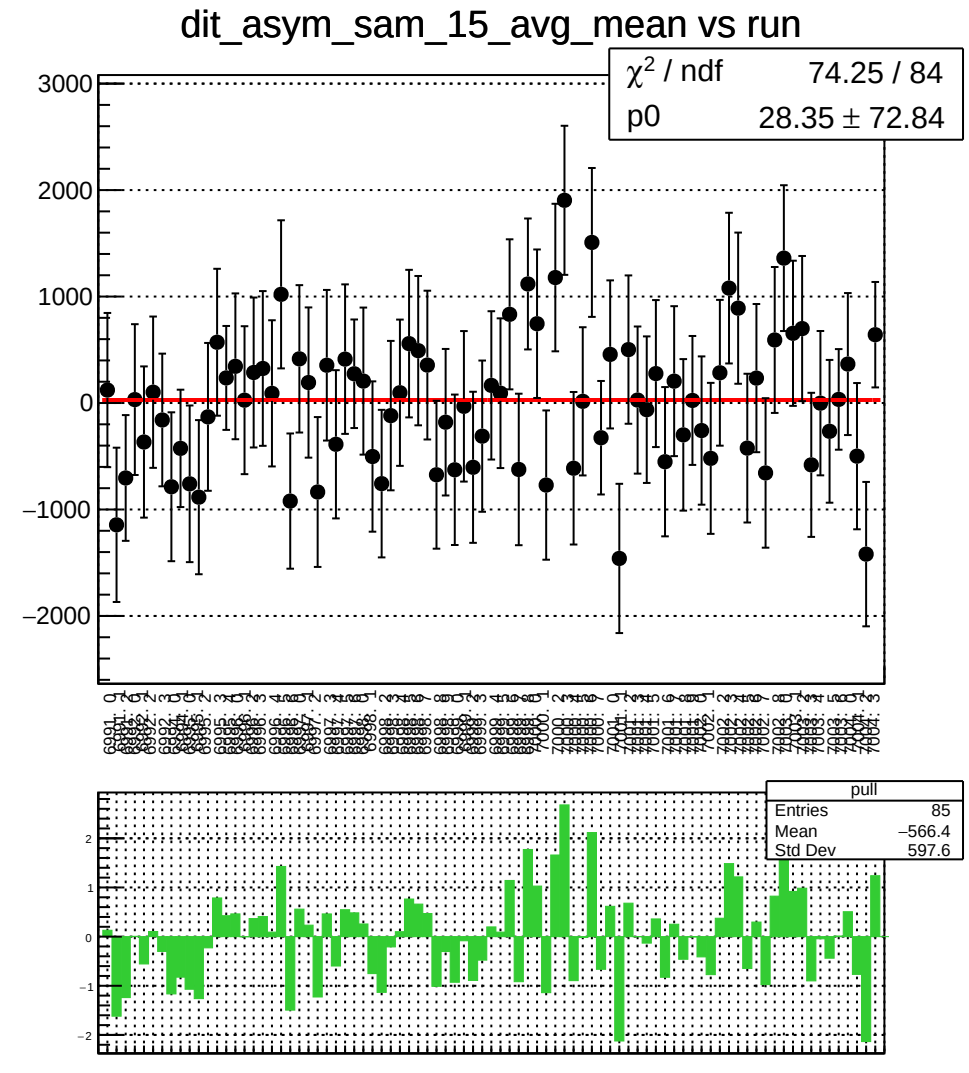

pull1D
Entries 85
Mean −0.007159
Std Dev 0.9075
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

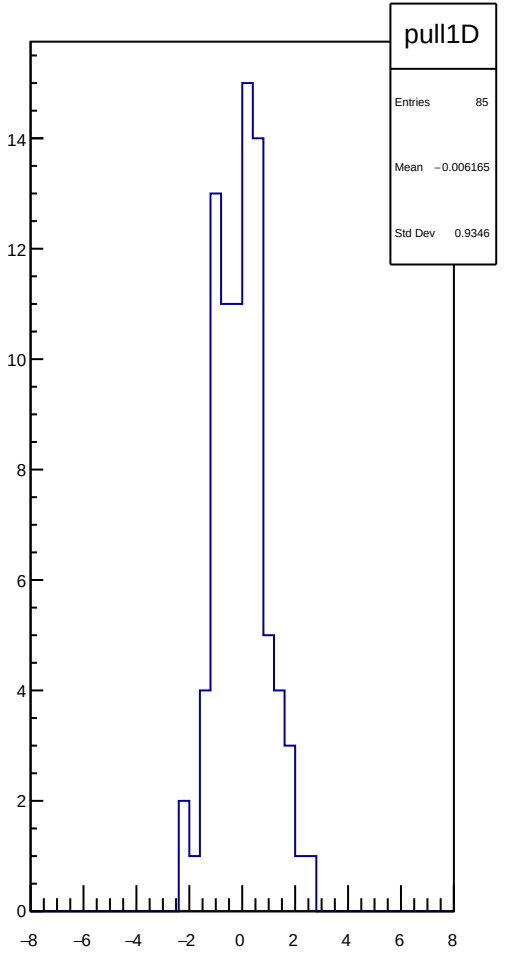

asym_sam8_correction_rms vs run
χ² / ndf 2705 / 84
p0 302.7 ± 0.2358
340
330
320
310
300
290
280

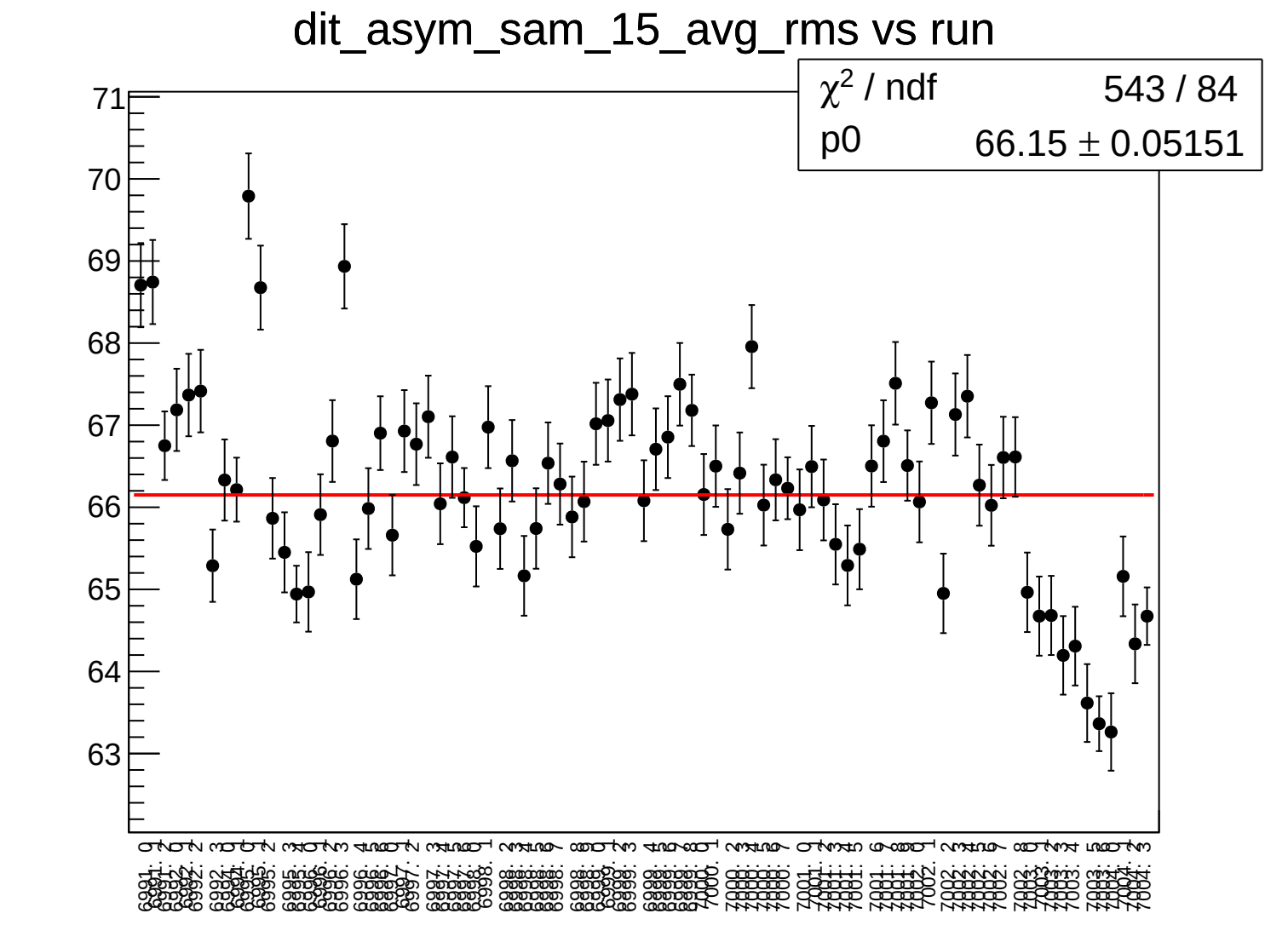

asym_sam8_mean vs run
χ² / ndf 75.49 / 84
p0 414.2 ± 329.1
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −589.8
Std Dev 633.8
2
1
0
−1
−2

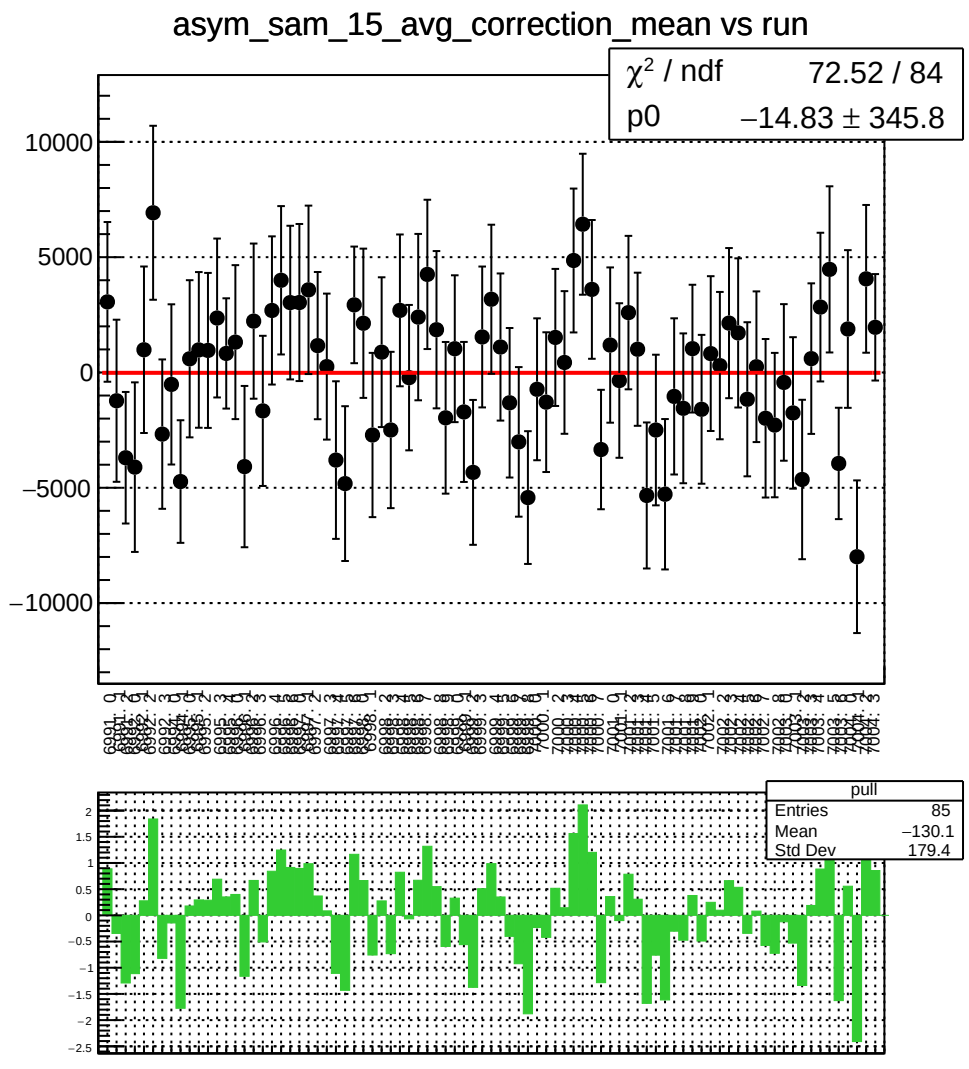

pull1D
Entries 85
Mean 0.006635
Std Dev 0.9424
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

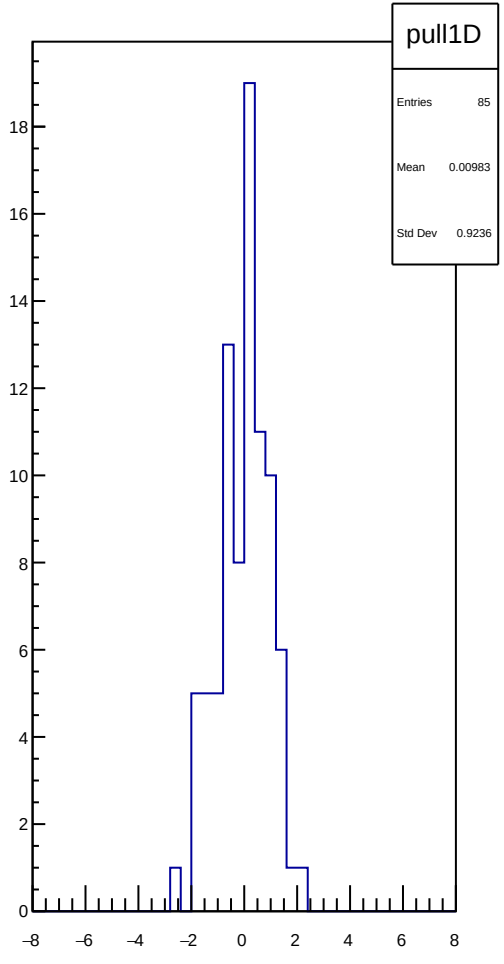

asym_sam8_rms vs run
χ² / ndf 3068 / 84
p0 298.6 ± 0.2327
340
330
320
310
300
290
280
270

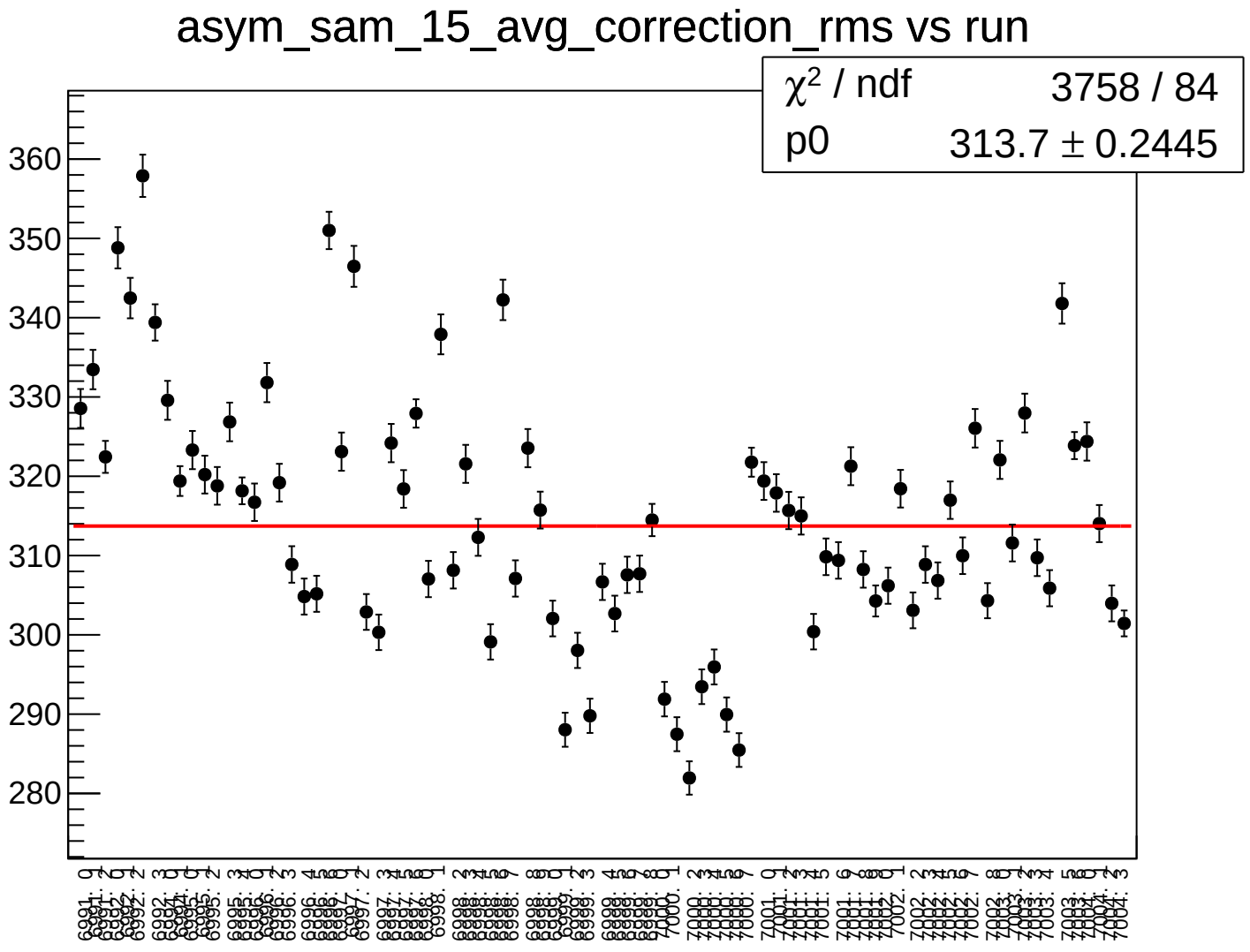

dit_asym_sam_15_avg_mean vs run
χ² / ndf 74.25 / 84
p0 28.35 ± 72.84
3000
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −566.4
Std Dev 597.6
2
1
0
−1

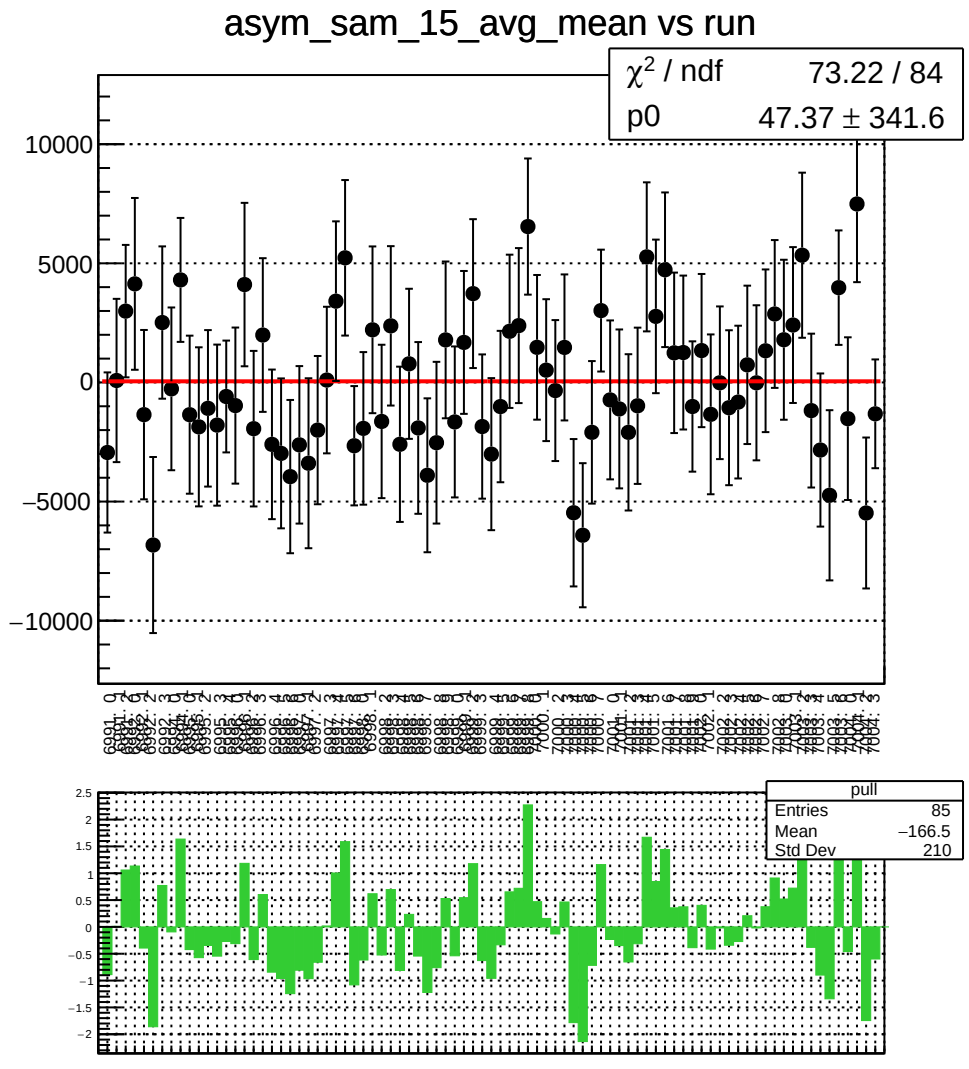

pull1D
Entries 85
Mean −0.006165
Std Dev 0.9346
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

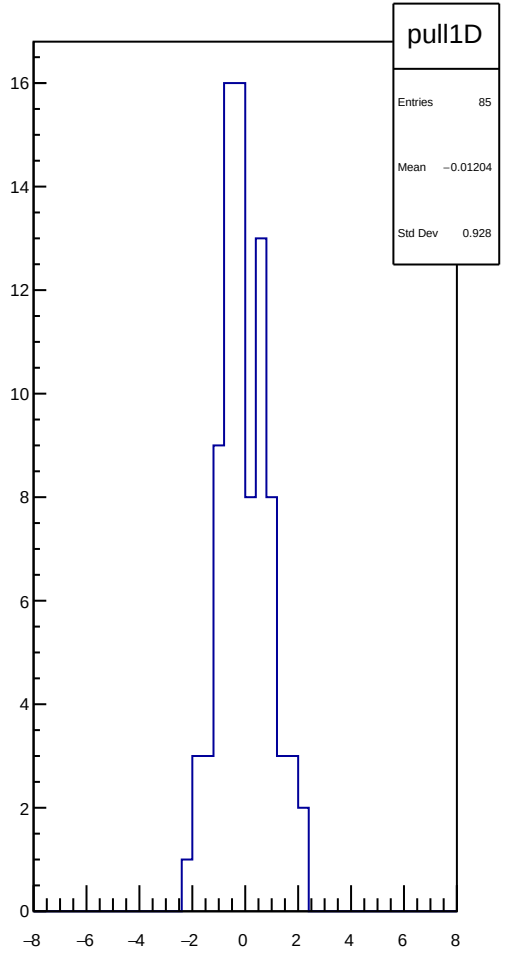

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 543 / 84
p0 66.15 ± 0.05151
71
70
69
68
67
66
65
64
63

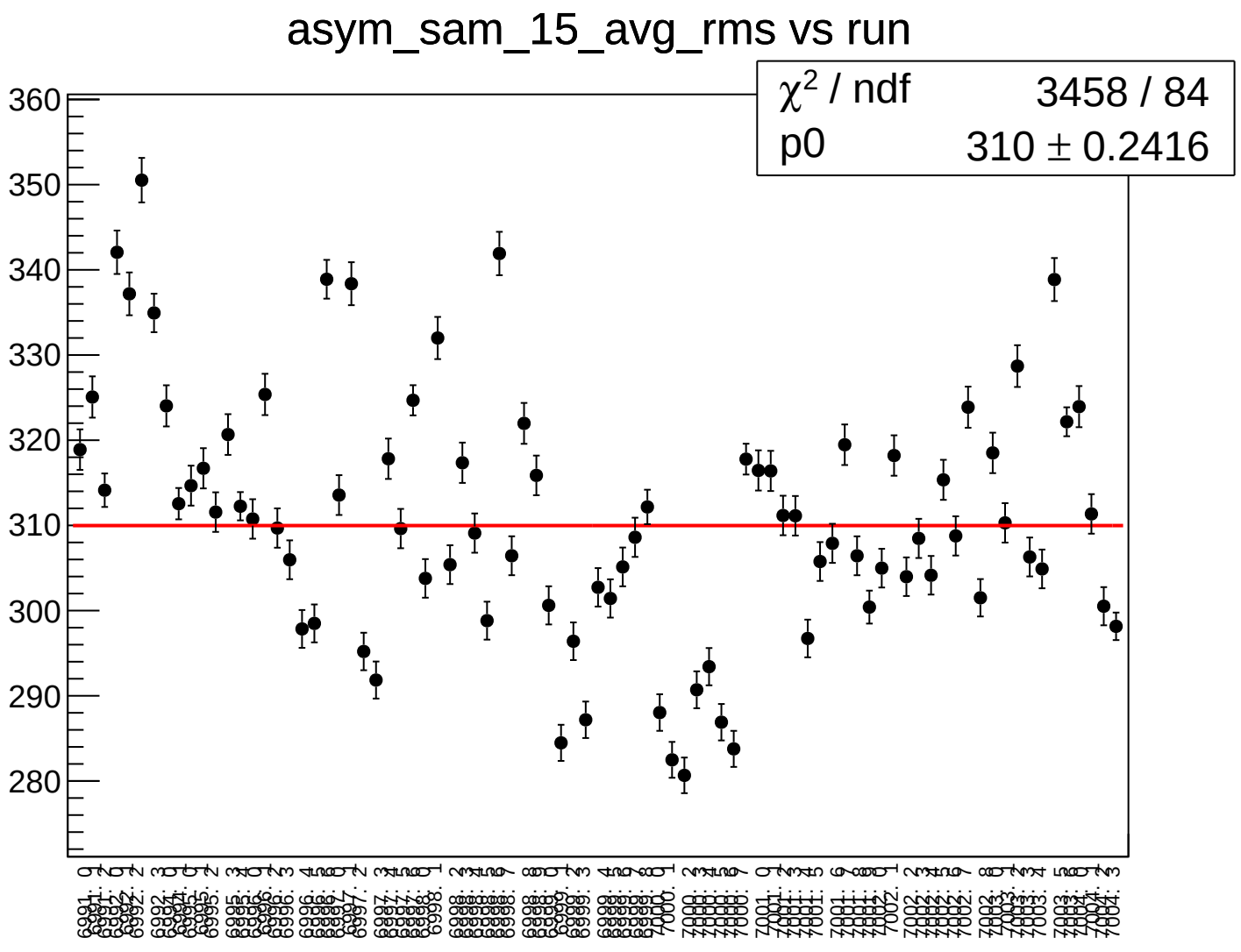

asym_sam_15_avg_correction_mean vs run
χ² / ndf 72.52 / 84
p0 −14.83 ± 345.8
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −130.1
Std Dev 179.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

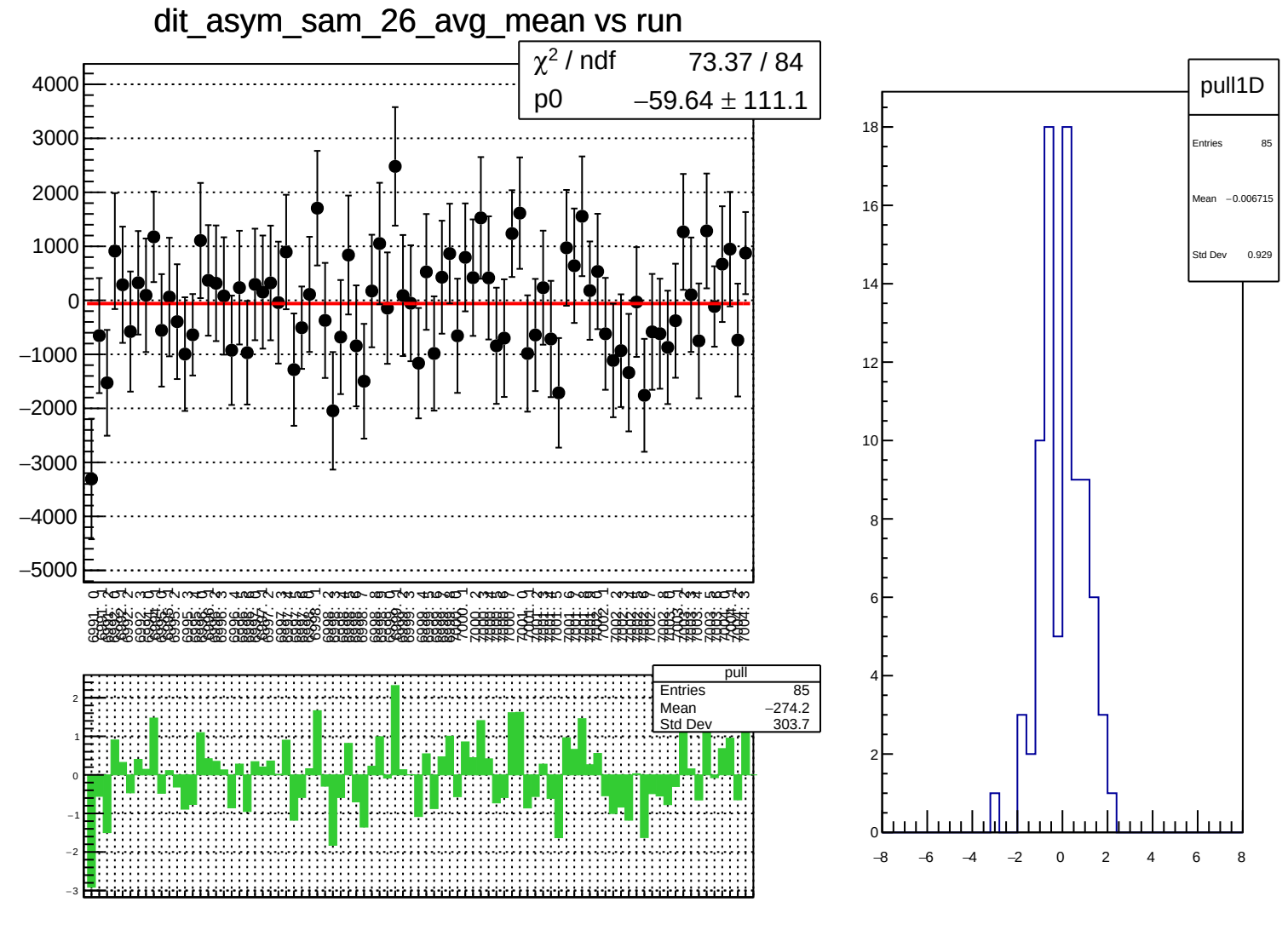

pull1D
Entries 85
Mean 0.00983
Std Dev 0.9236
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

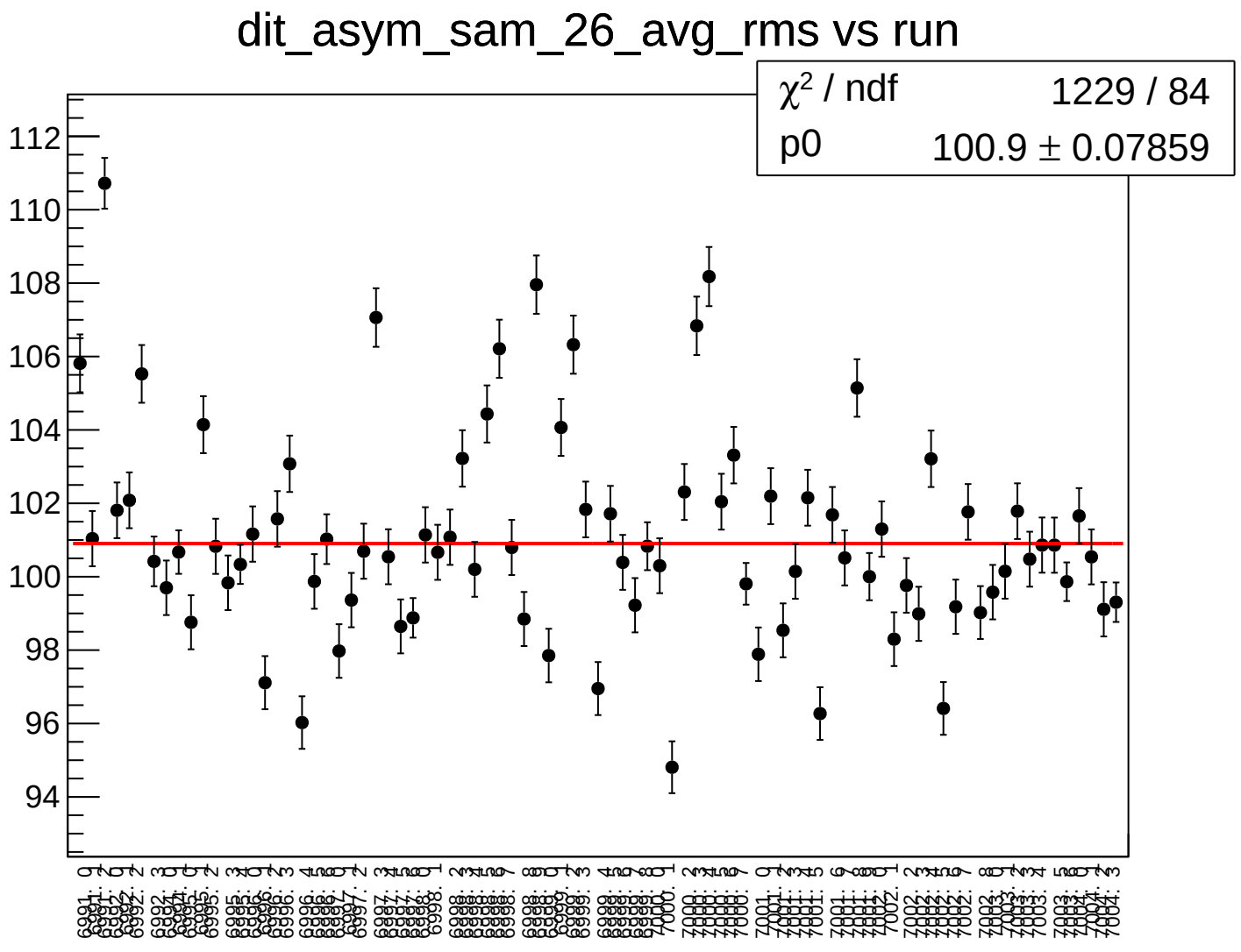

asym_sam_15_avg_correction_rms vs run
χ² / ndf 3758 / 84
p0 313.7 ± 0.2445
360
350
340
330
320
310
300
290
280

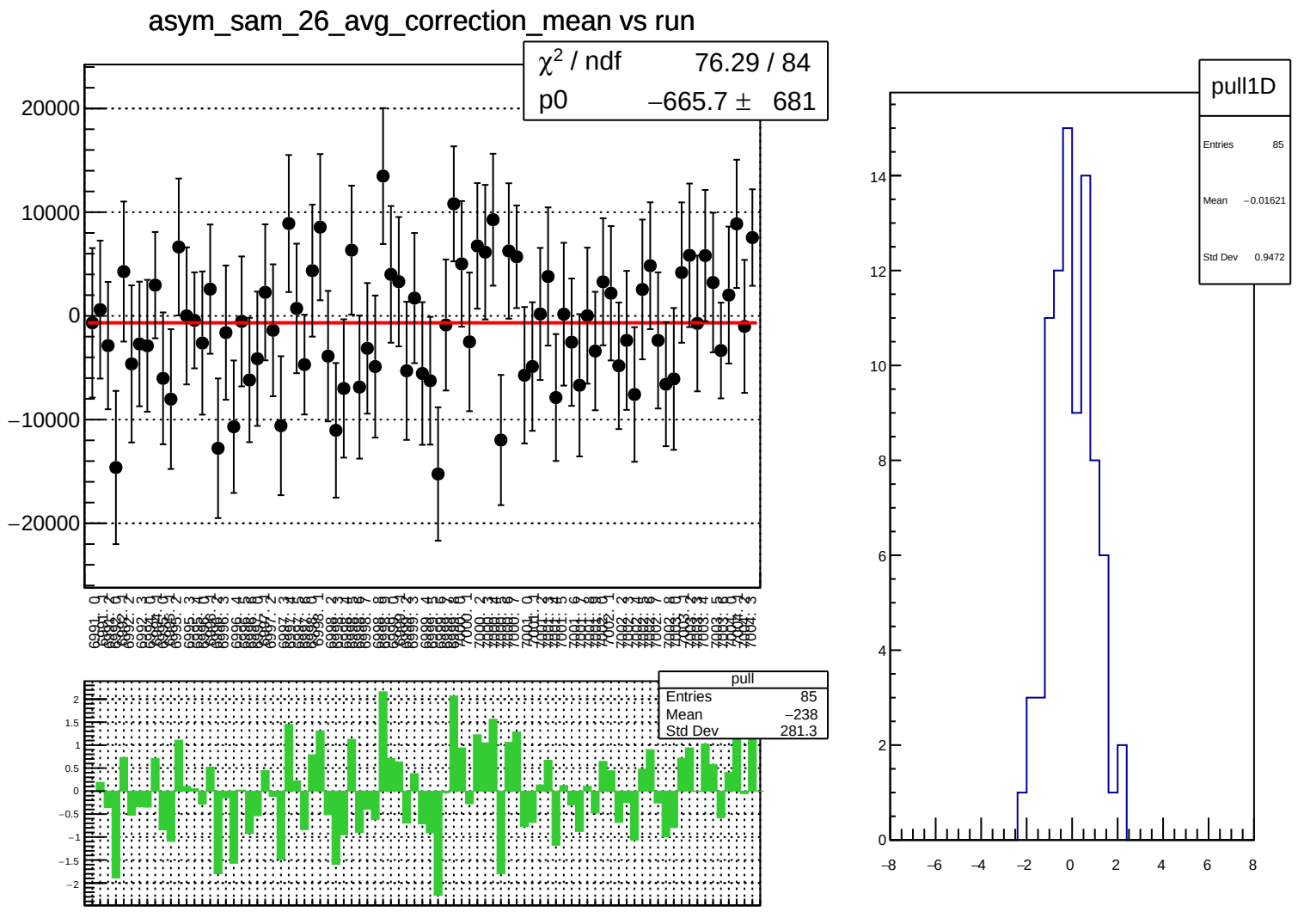

asym_sam_15_avg_mean vs run
χ^2 / ndf 73.22 / 84
p0 47.37 ± 341.6
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −166.5
Std Dev 210
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

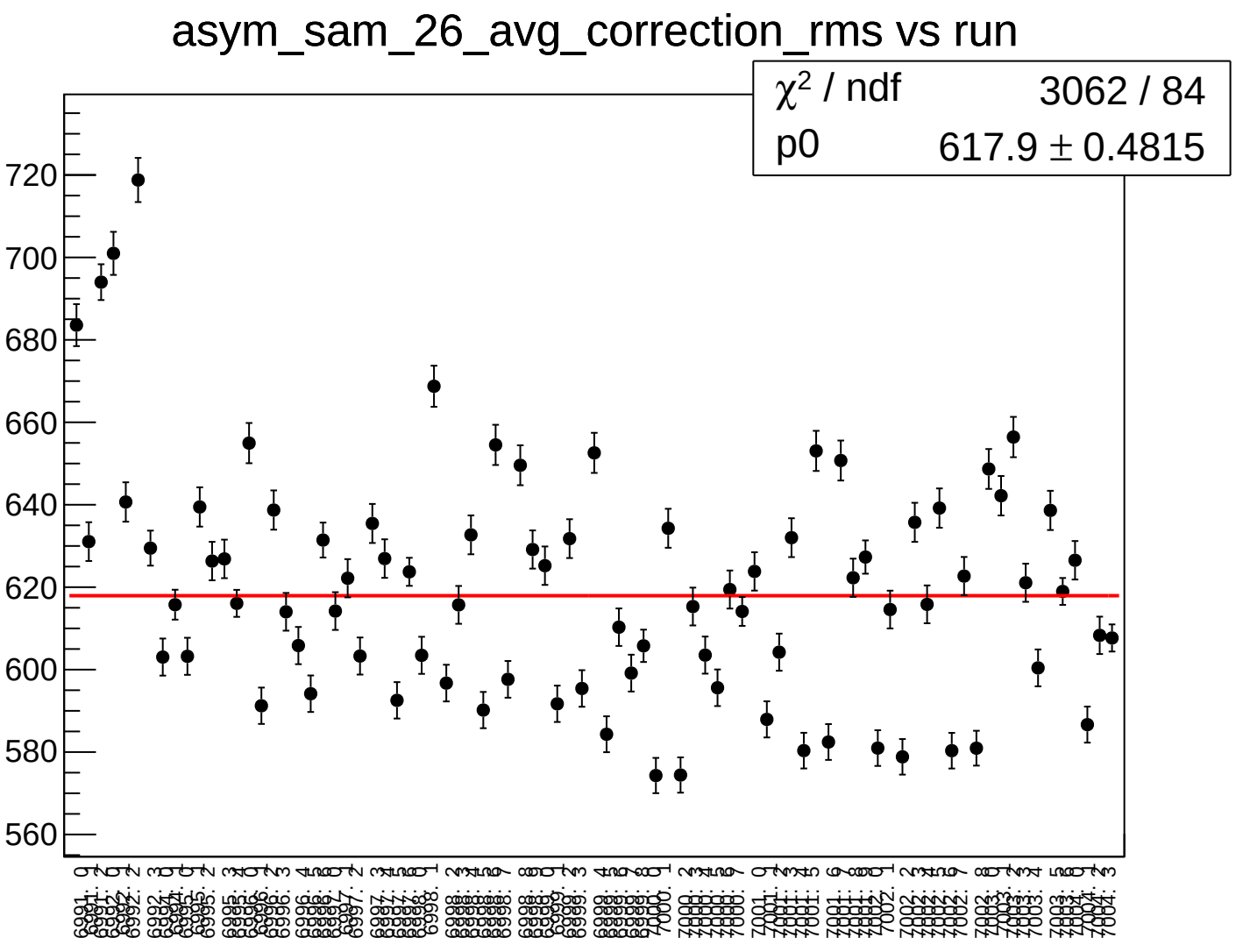

pull1D
Entries 85
Mean −0.01204
Std Dev 0.928
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

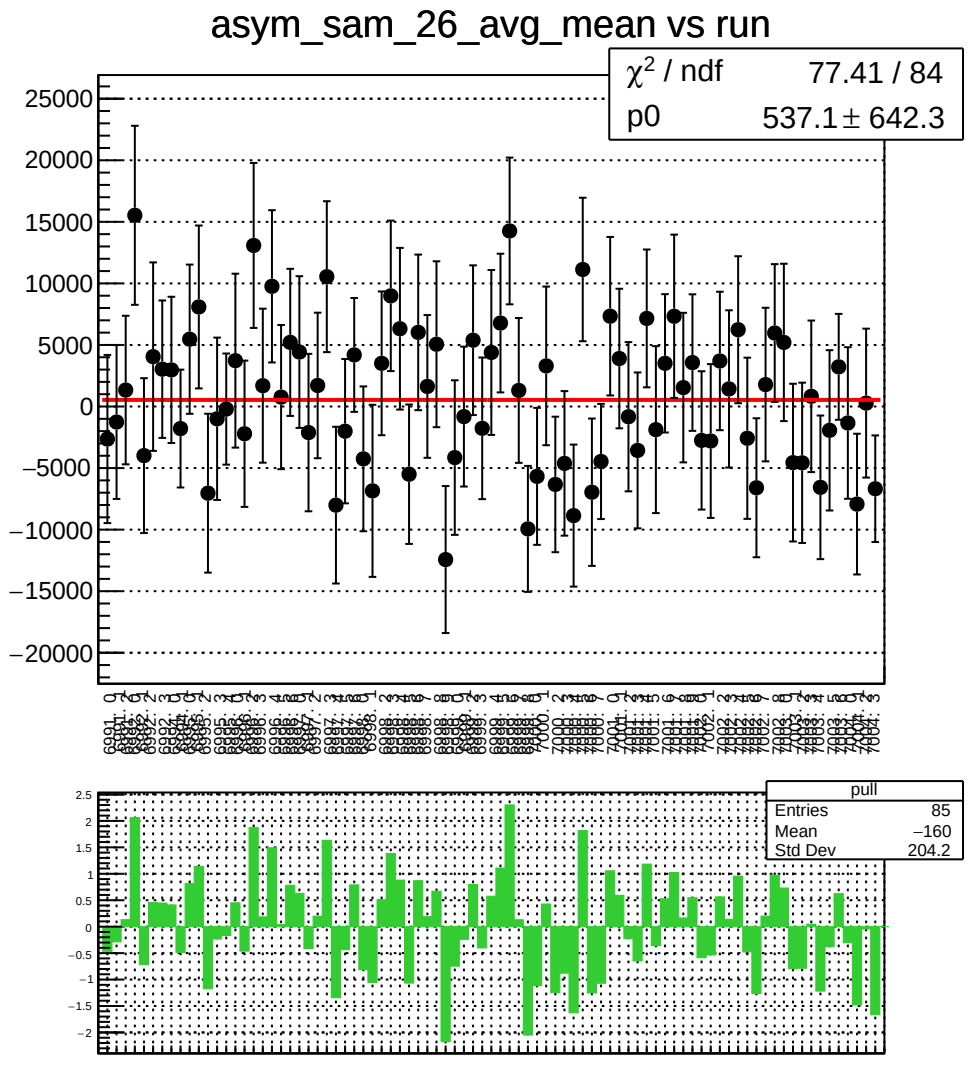

asym_sam_15_avg_rms vs run
χ^2 / ndf 3458 / 84
p0 310 ± 0.2416
360
350
340
330
320
310
300
290
280

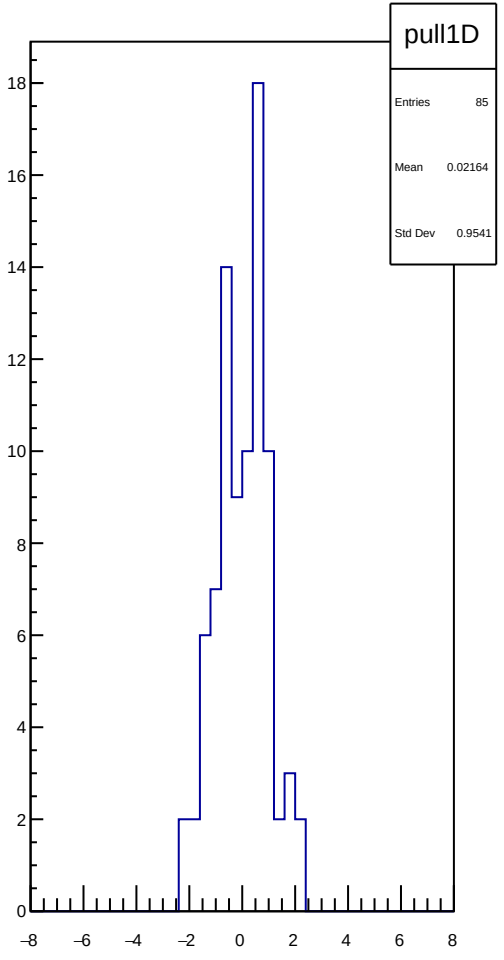

dit_asym_sam_26_avg_mean vs run
χ² / ndf 73.37 / 84
p0 −59.64 ± 111.1
pull
Entries 85
Mean −274.2
Std Dev 303.7
pull1D
Entries 85
Mean −0.006715
Std Dev 0.929

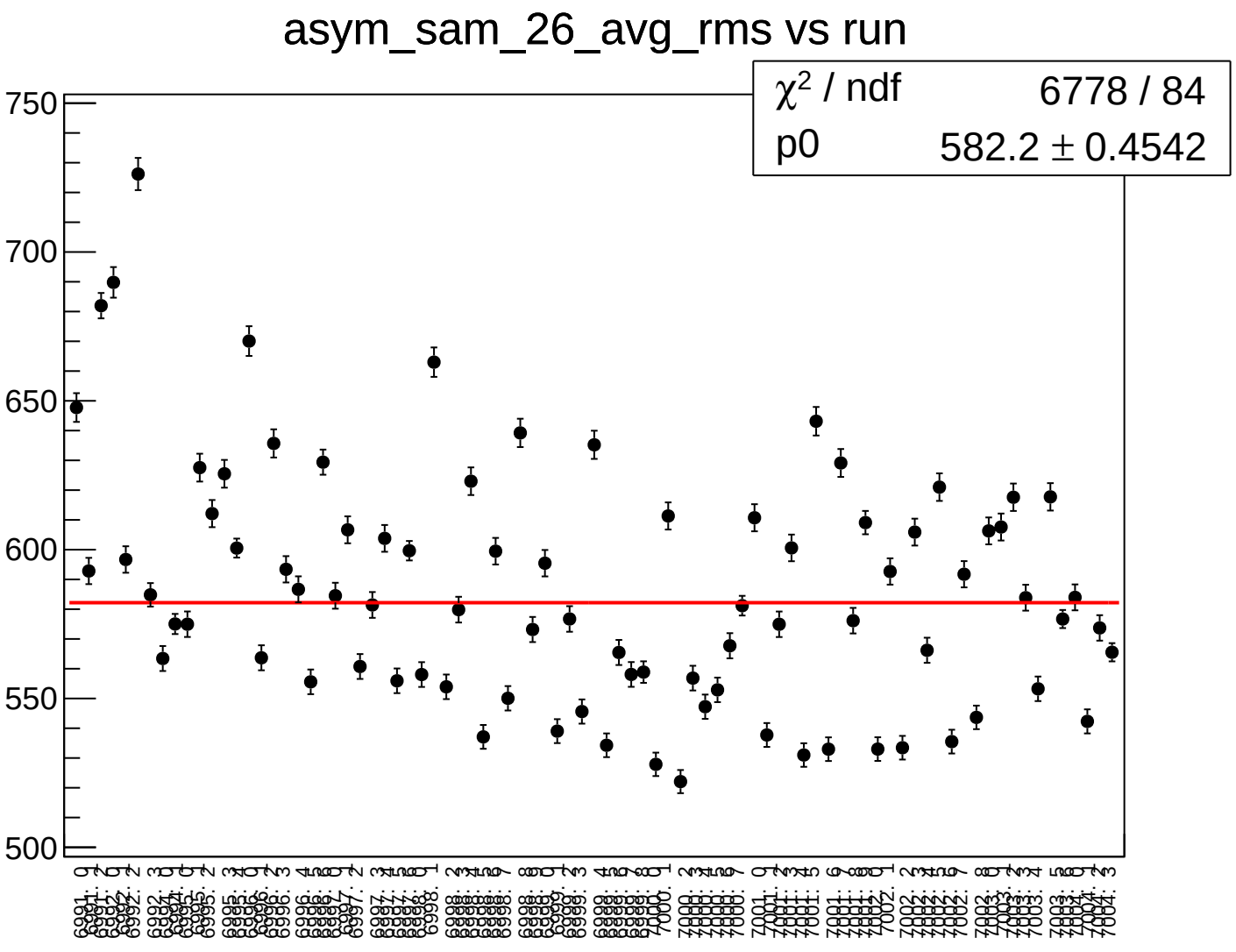

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1229 / 84
p0 100.9 ± 0.07859
112
110
108
106
104
102
100
98
96
94

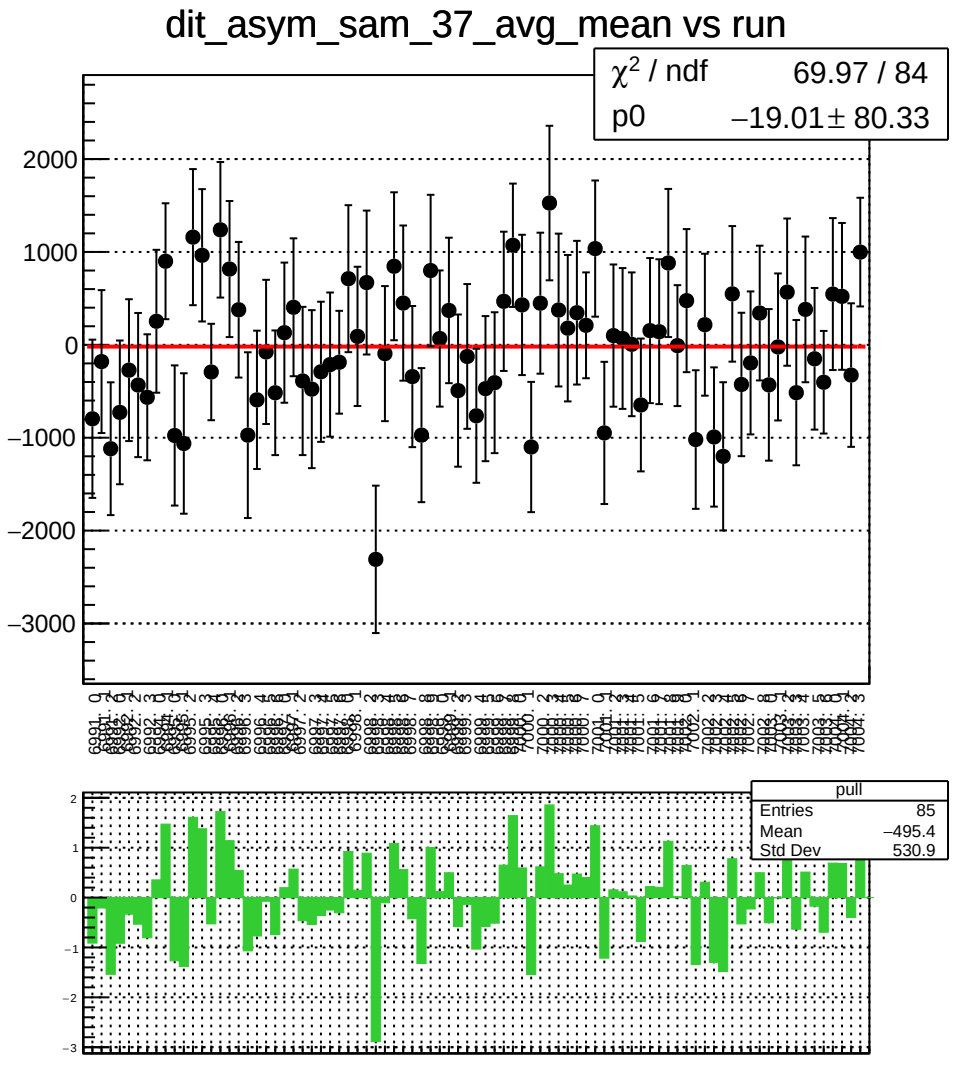

asym_sam_26_avg_correction_mean vs run
χ² / ndf 76.29 / 84
p0 −665.7 ± 681
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −238
Std Dev 281.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.01621
Std Dev 0.9472
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

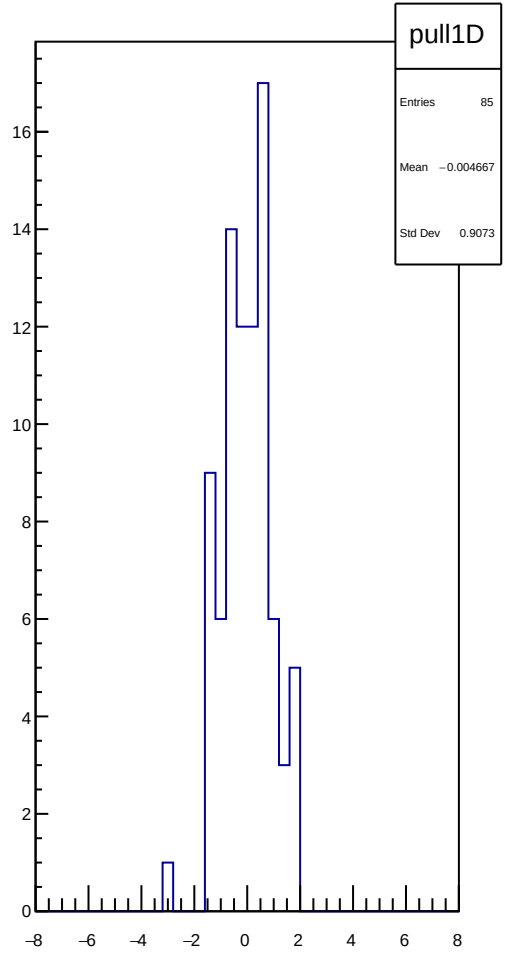

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3062 / 84
p0 617.9 ± 0.4815
720
700
680
660
640
620
600
580
560

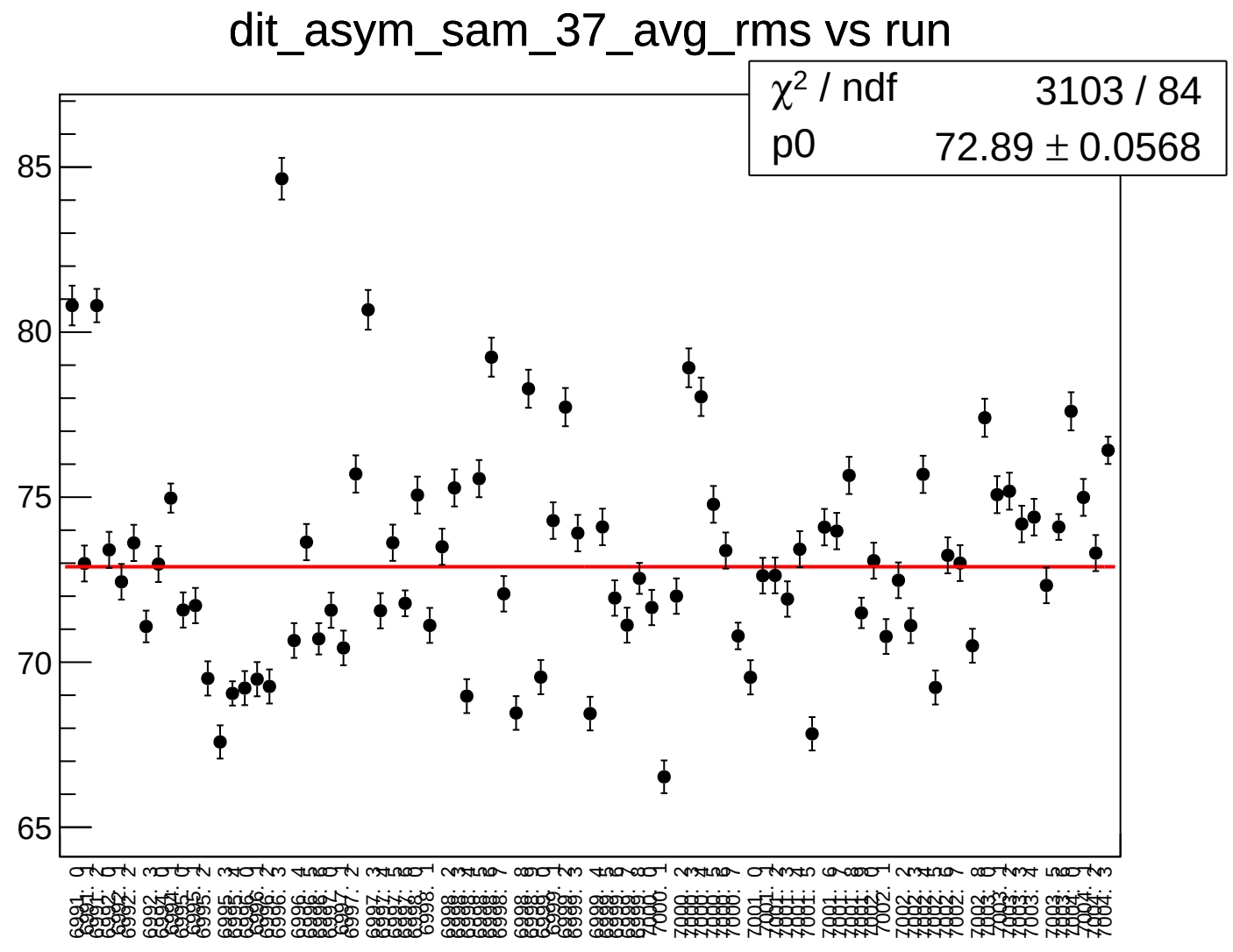

asym_sam_26_avg_mean vs run
χ² / ndf 77.41 / 84
p0 537.1 ± 642.3
pull
Entries 85
Mean −160
Std Dev 204.2

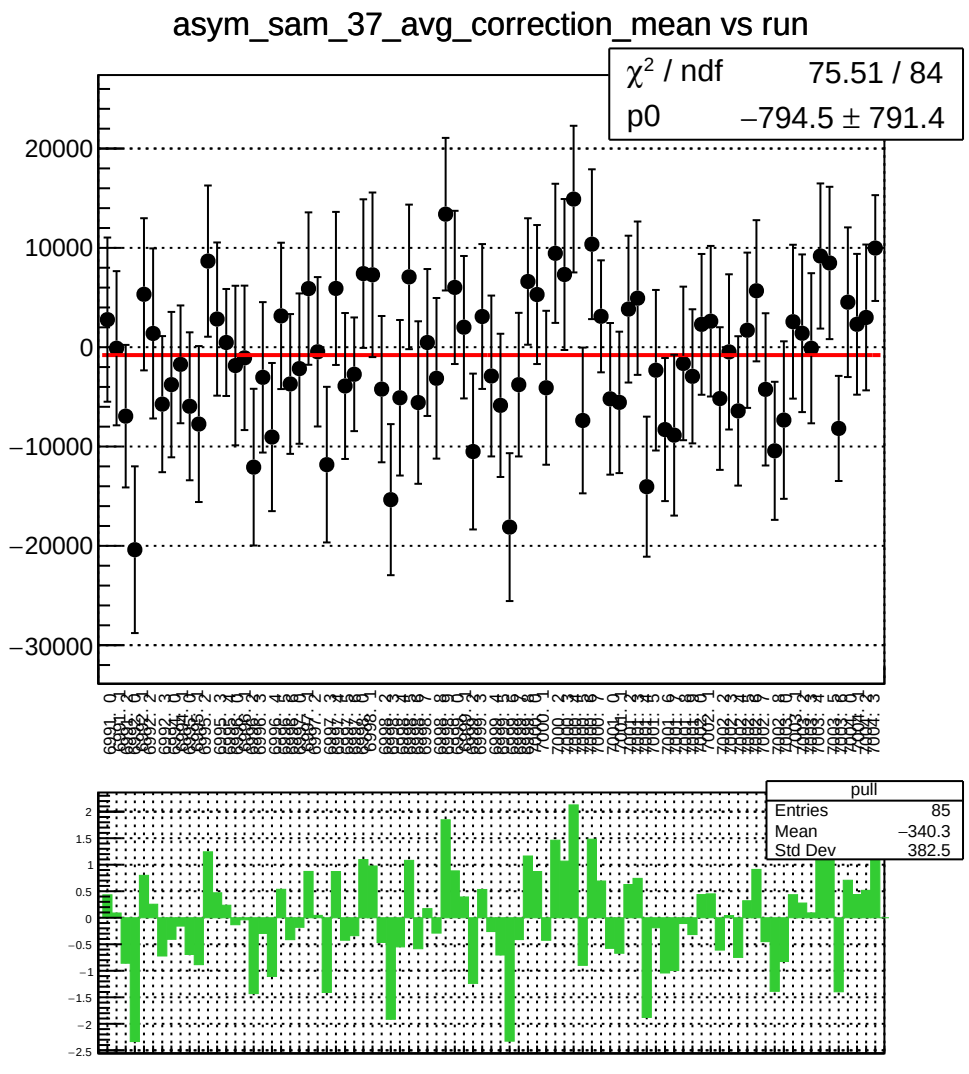

pull1D
Entries 85
Mean 0.02164
Std Dev 0.9541

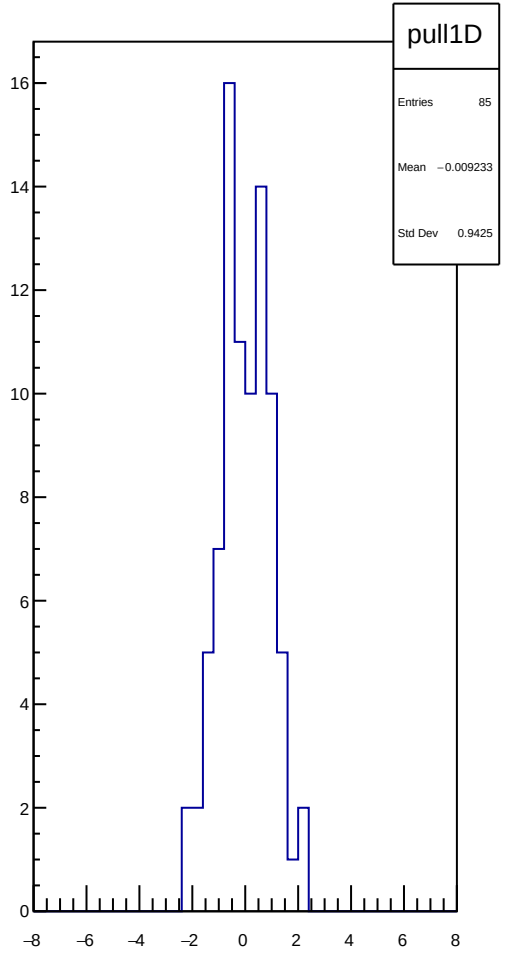

asym_sam_26_avg_rms vs run
χ² / ndf 6778 / 84
p0 582.2 ± 0.4542
750
700
650
600
550
500

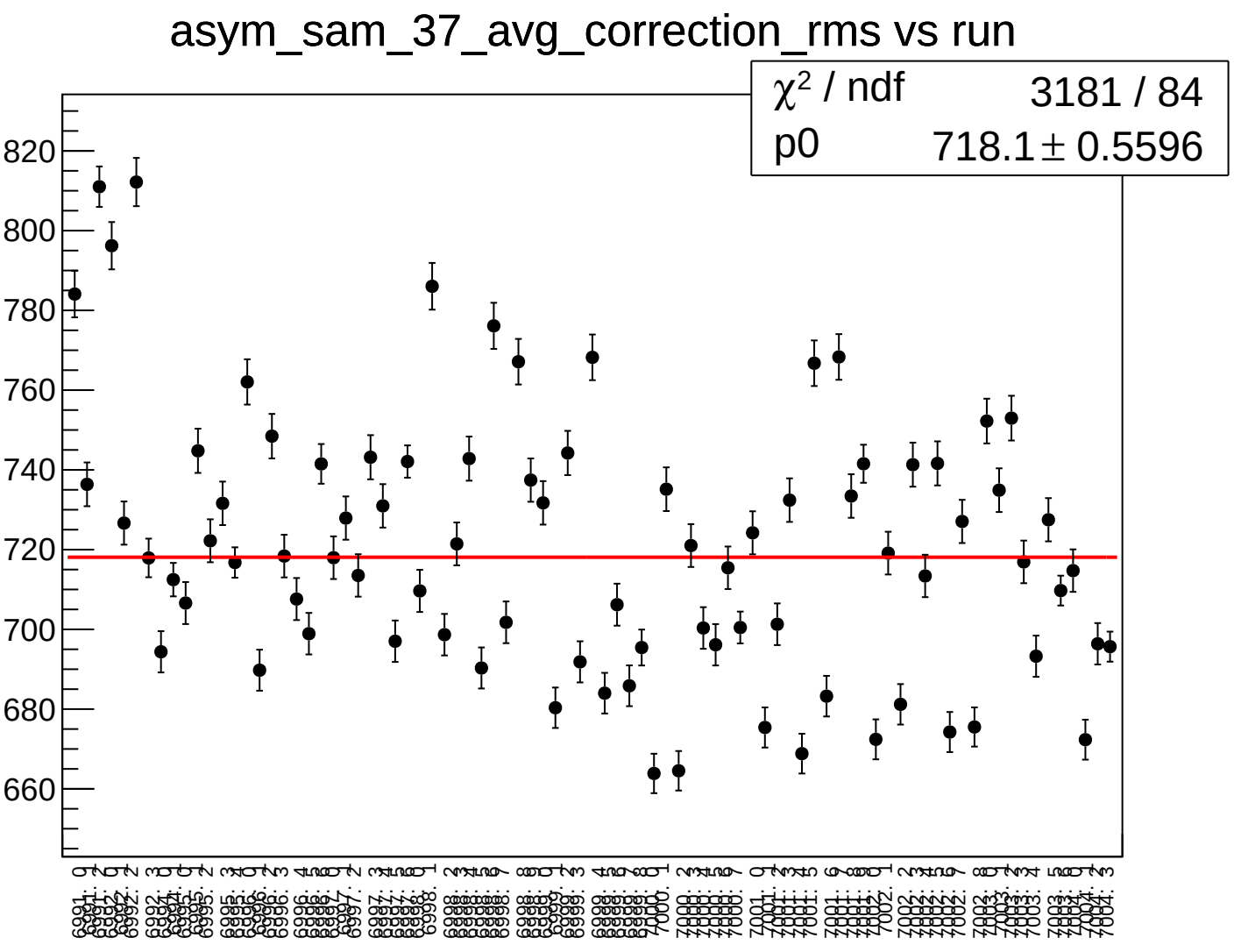

dit_asym_sam_37_avg_mean vs run
χ² / ndf 69.97 / 84
p0 −19.01 ± 80.33
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean −495.4
Std Dev 530.9
2
1
0
−1
−2
−3

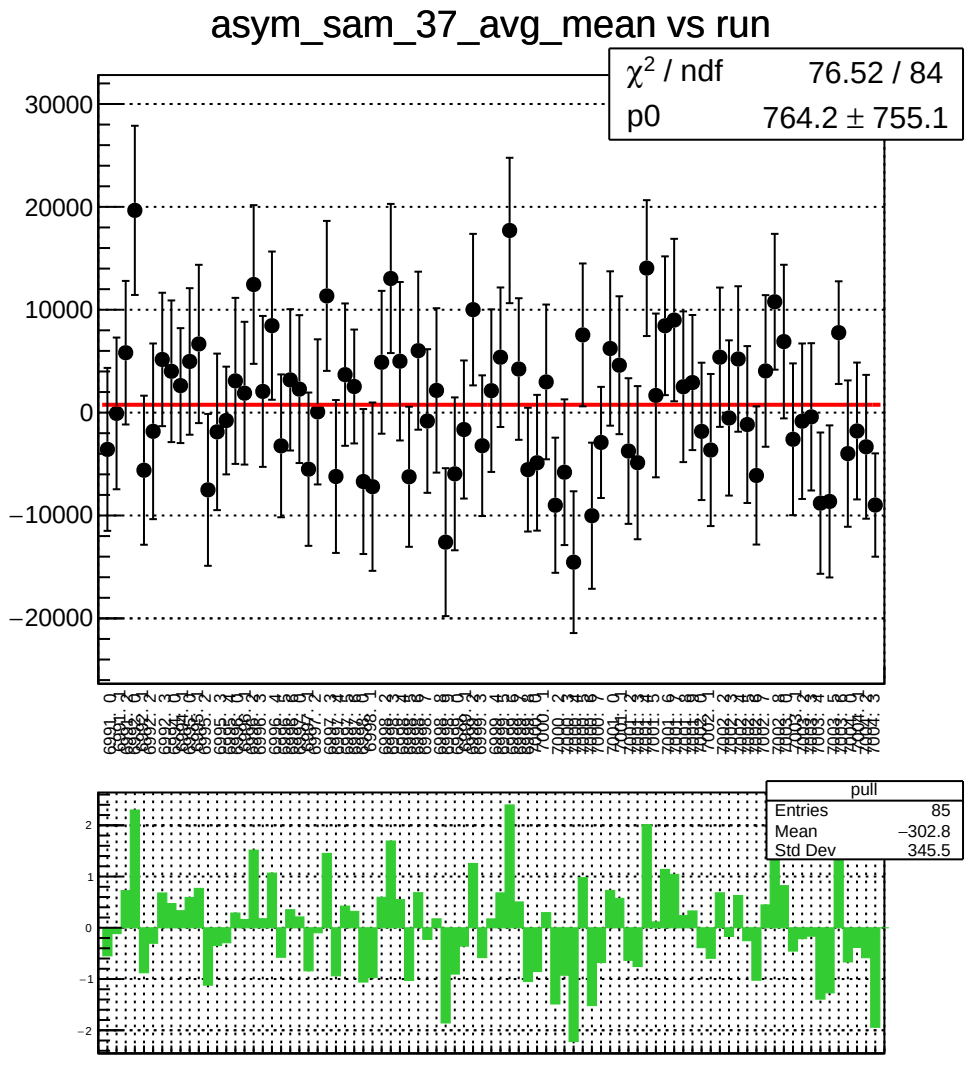

pull1D
Entries 85
Mean −0.004667
Std Dev 0.9073
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

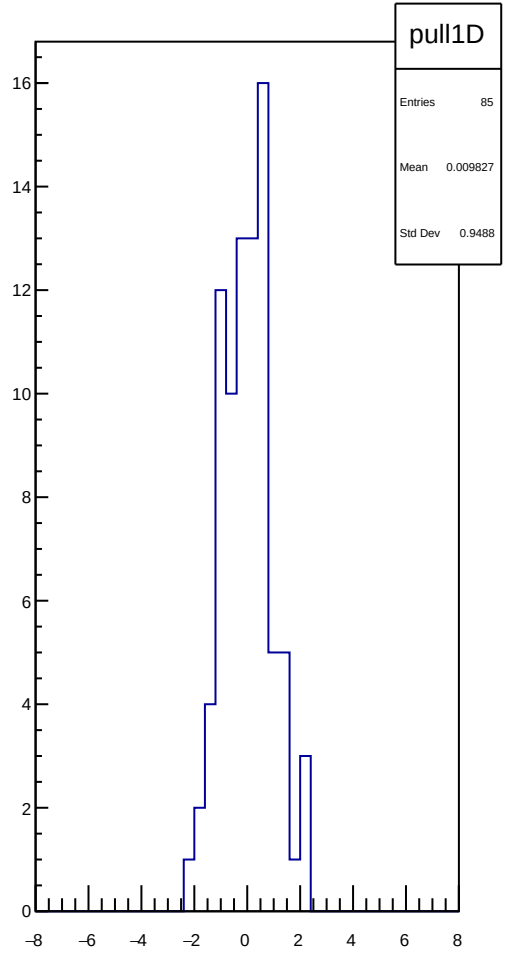

dit_asym_sam_37_avg_rms vs run
χ² / ndf 3103 / 84
p0 72.89 ± 0.0568
85
80
75
70
65

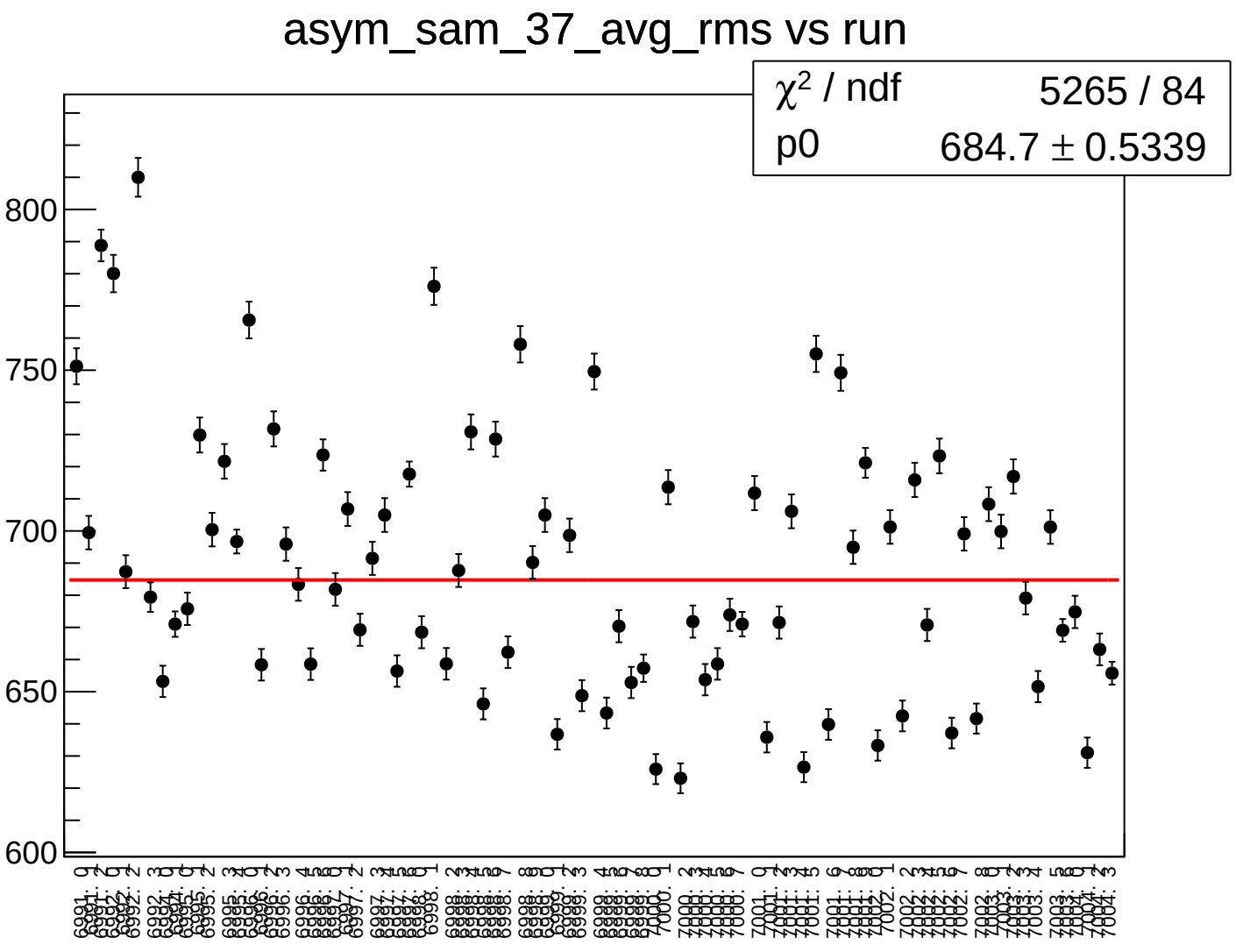

asym_sam_37_avg_correction_mean vs run
χ² / ndf 75.51 / 84
p0 −794.5 ± 791.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −340.3
Std Dev 382.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

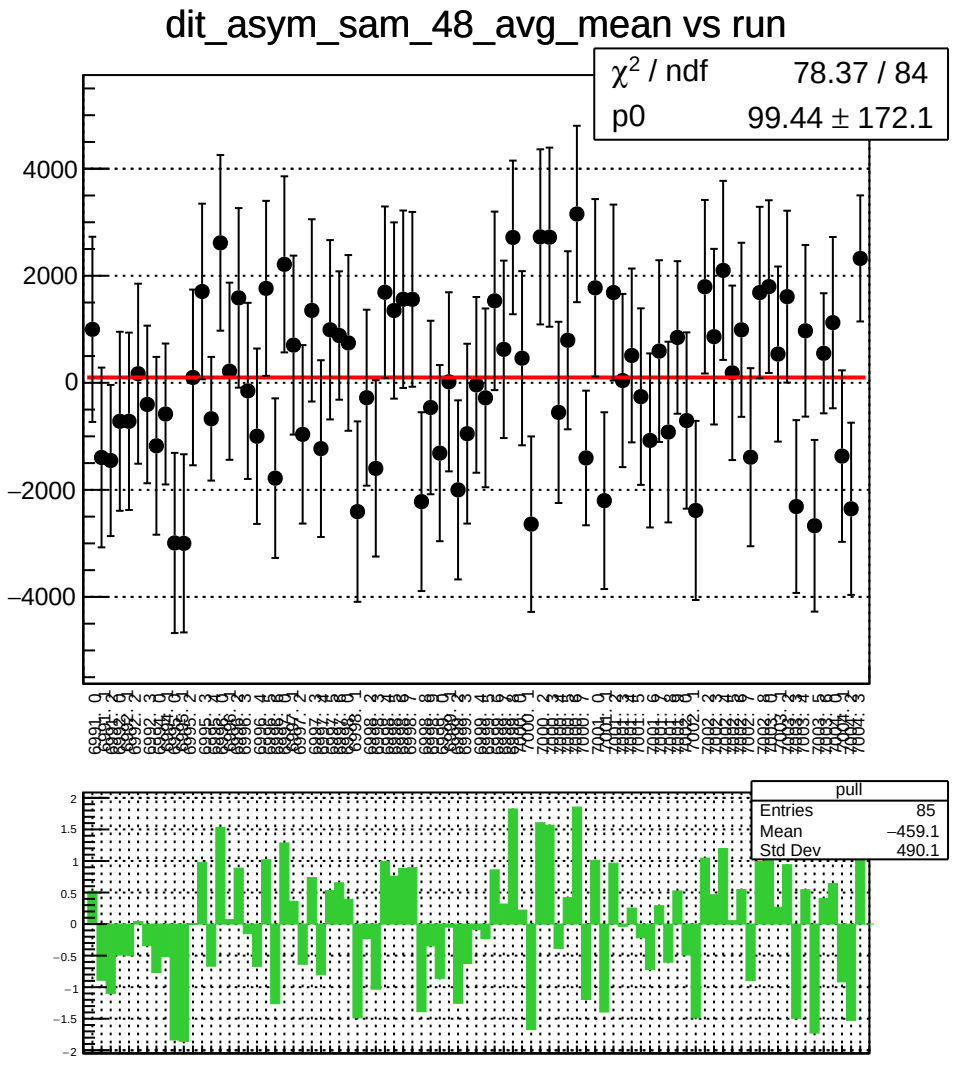

pull1D
Entries 85
Mean −0.009233
Std Dev 0.9425
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

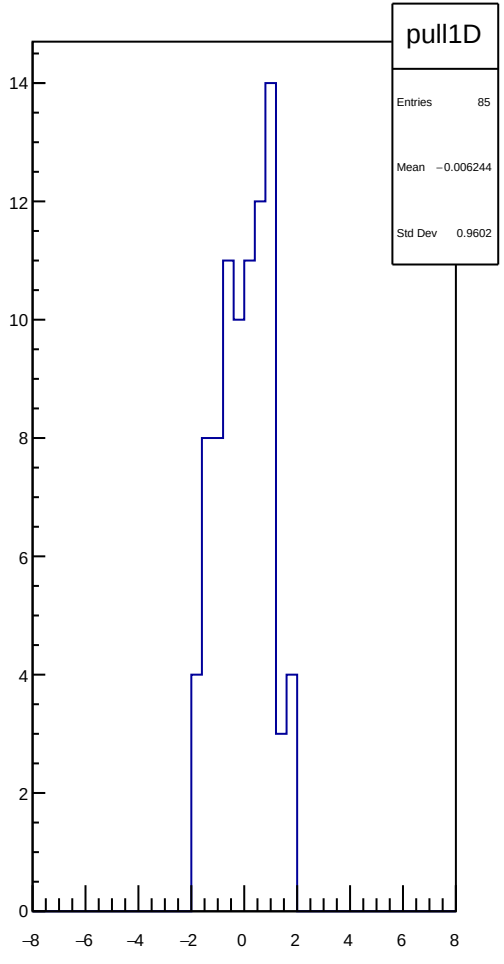

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3181 / 84
p0 718.1 ± 0.5596
820
800
780
760
740
720
700
680
660

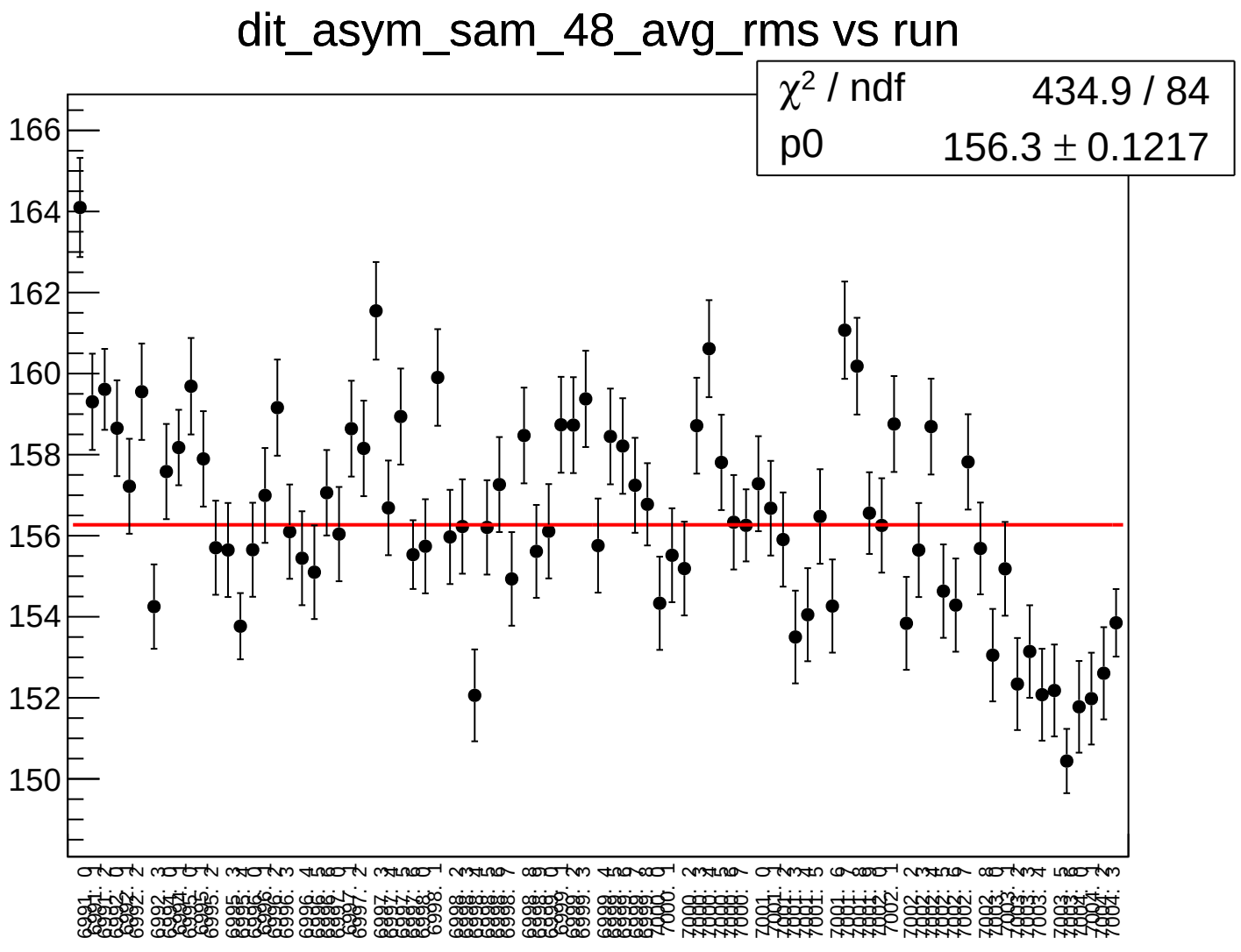

asym_sam_37_avg_mean vs run
χ² / ndf 76.52 / 84
p0 764.2 ± 755.1
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −302.8
Std Dev 345.5
2
1
0
−1
−2

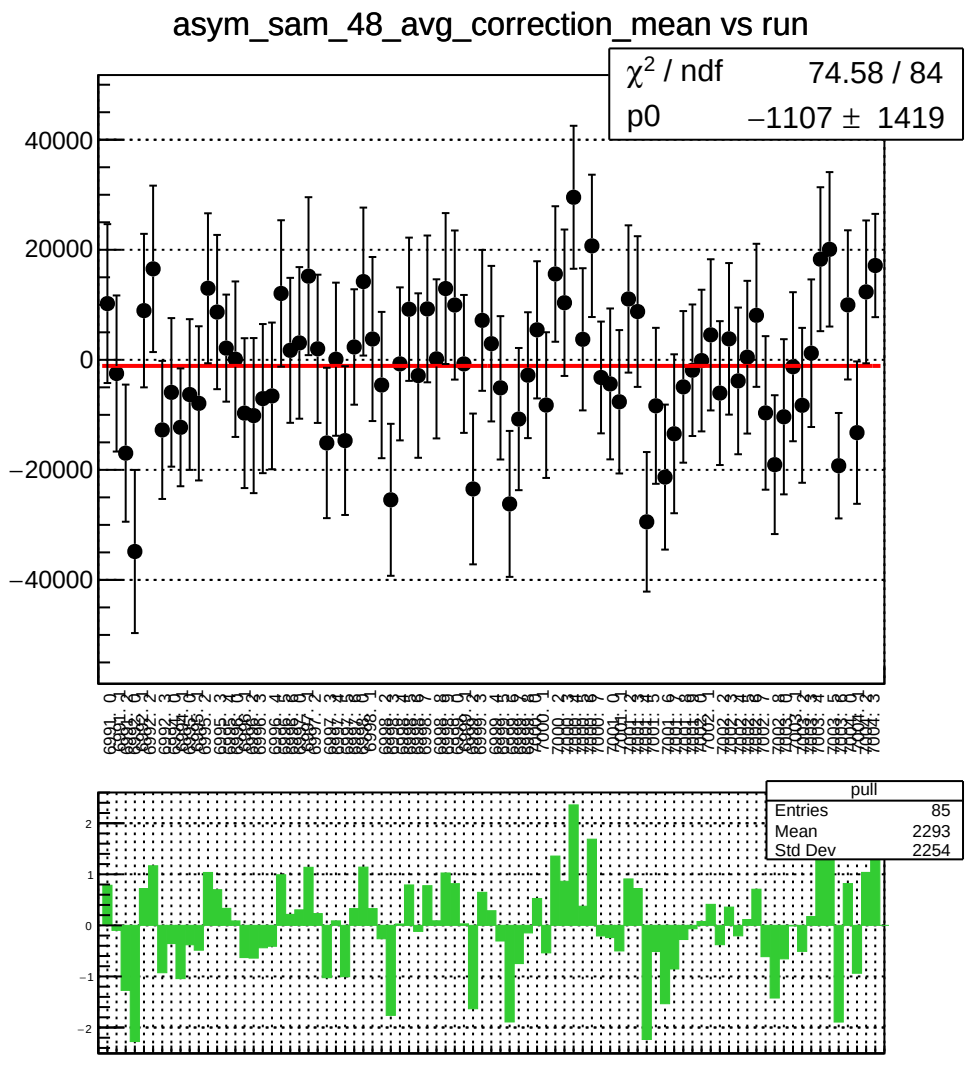

pull1D
Entries 85
Mean 0.009827
Std Dev 0.9488
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

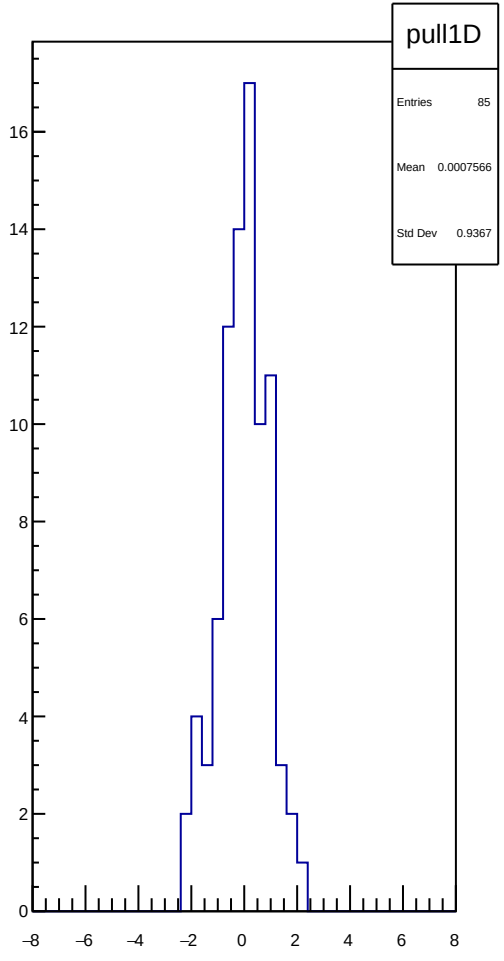

asym_sam_37_avg_rms vs run
χ² / ndf 5265 / 84
p0 684.7 ± 0.5339
800
750
700
650
600

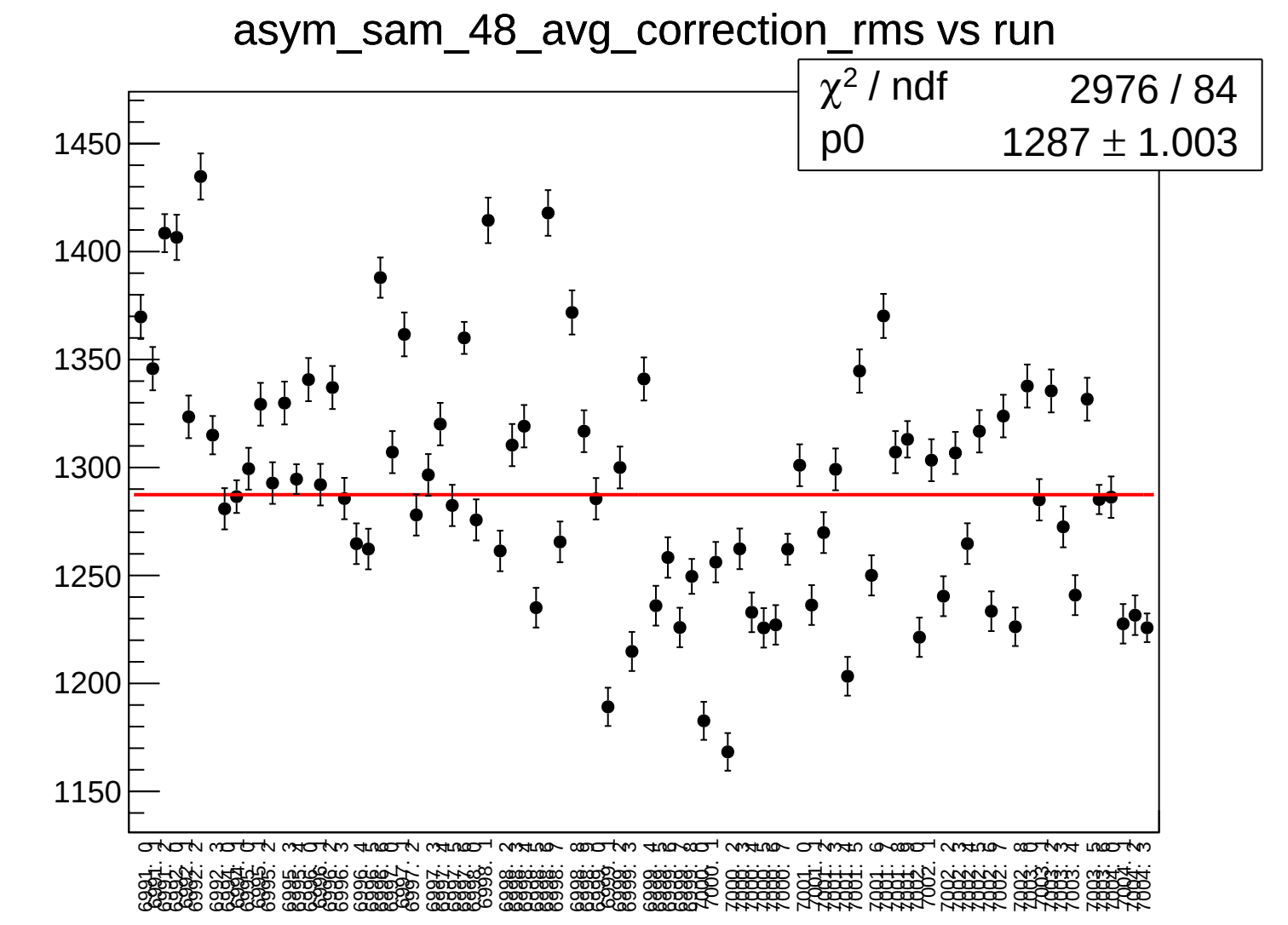

dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 78.37 / 84
p0 99.44 ± 172.1
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −459.1
Std Dev 490.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

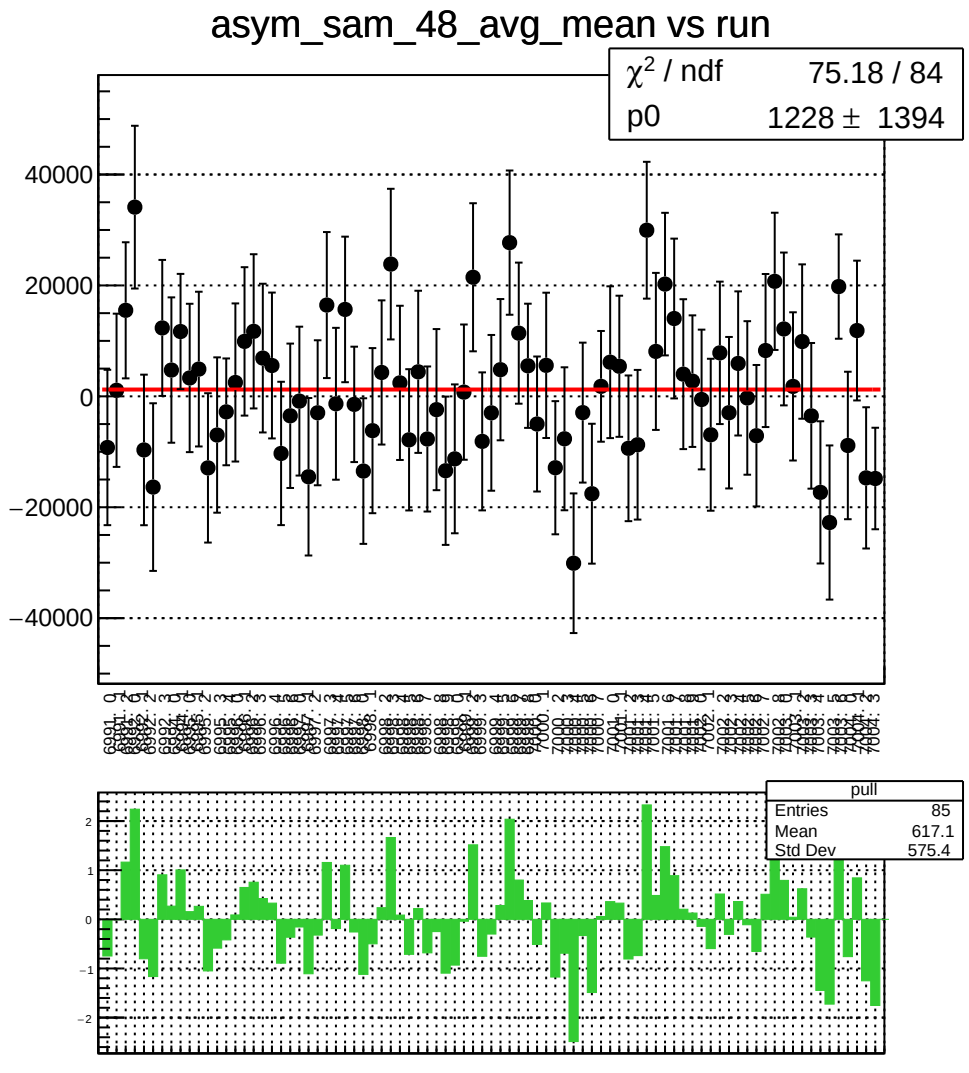

pull1D
Entries 85
Mean −0.006244
Std Dev 0.9602
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

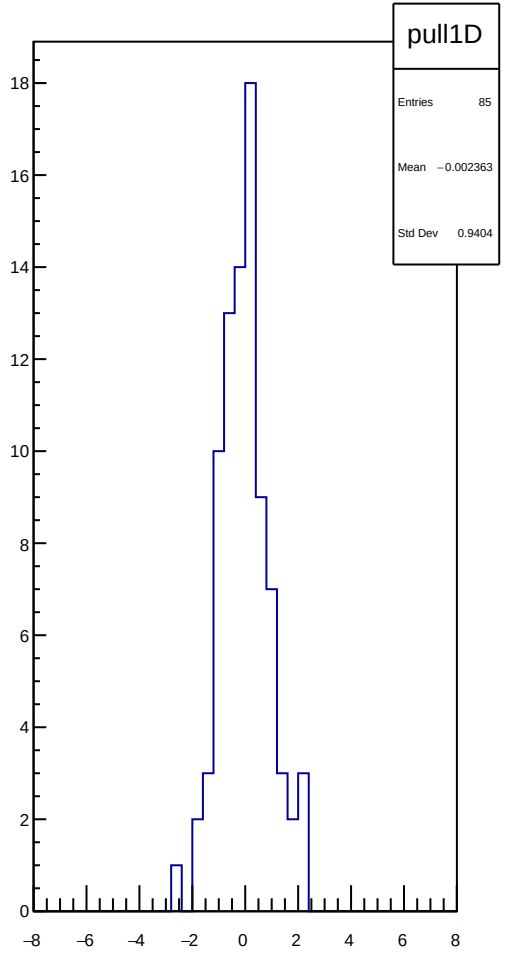

dit_asym_sam_48_avg_rms vs run
χ² / ndf 434.9 / 84
p0 156.3 ± 0.1217
166
164
162
160
158
156
154
152
150

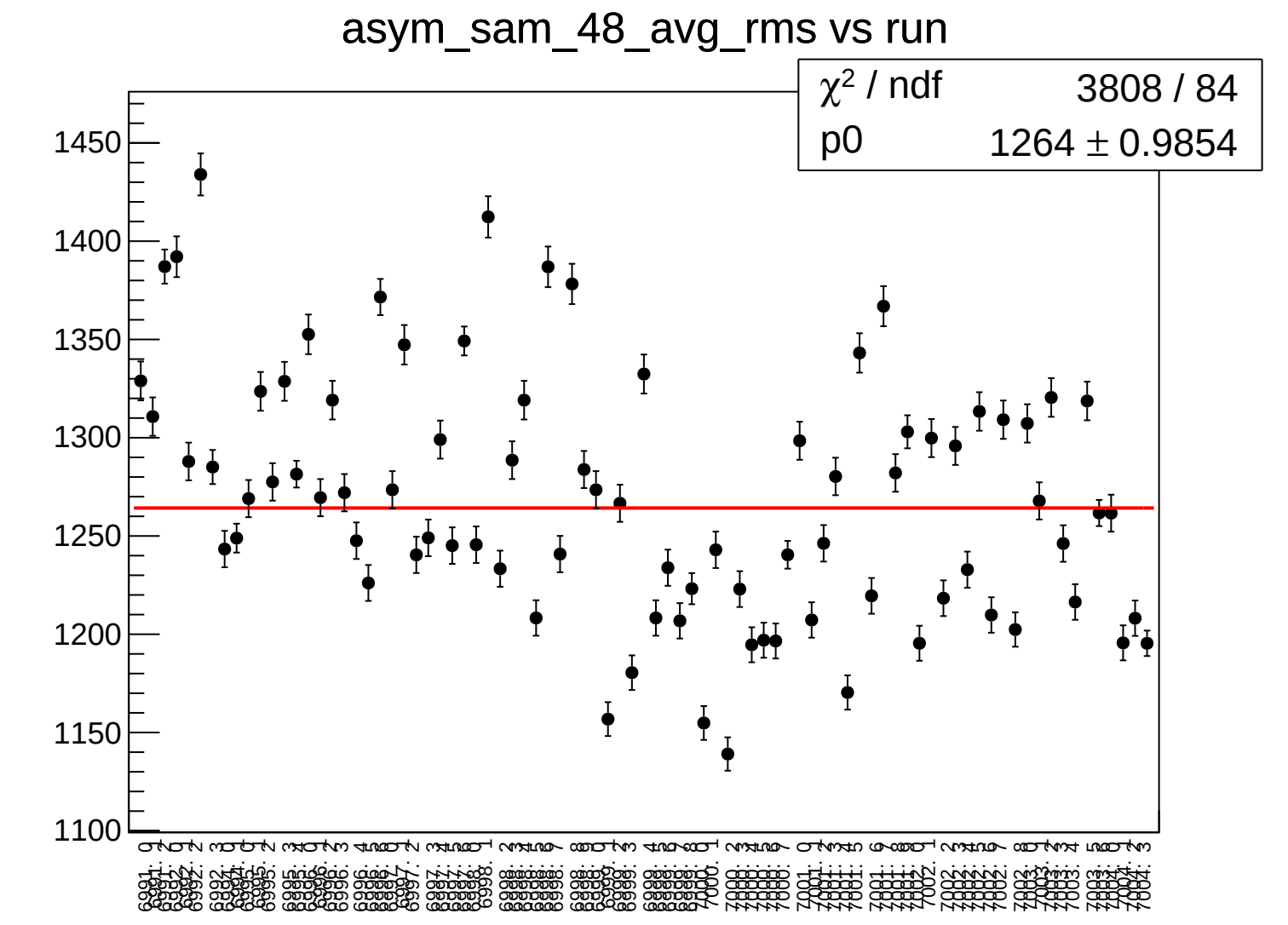

asym_sam_48_avg_correction_mean vs run
χ² / ndf 74.58 / 84
p0 −1107 ± 1419
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 2293
Std Dev 2254
2
1
0
−1
−2

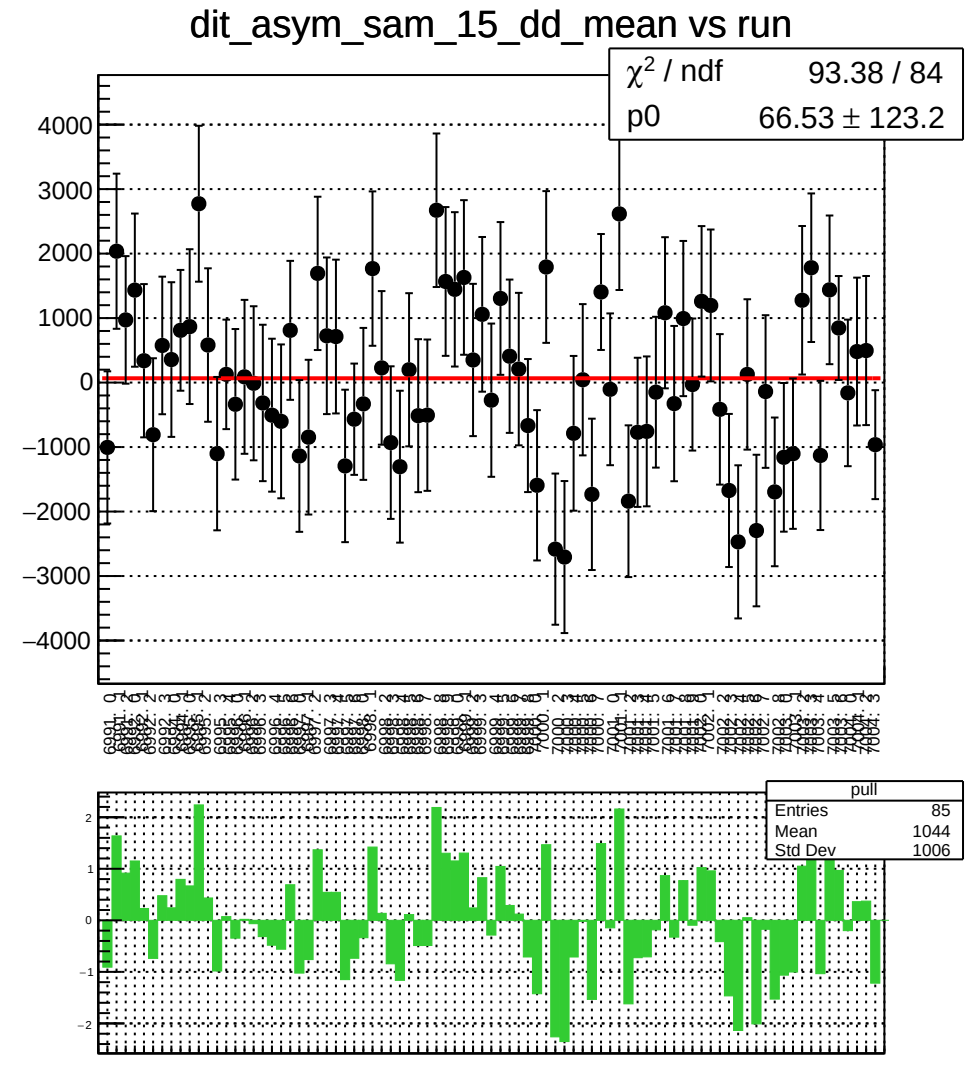

pull1D
Entries 85
Mean 0.0007566
Std Dev 0.9367
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

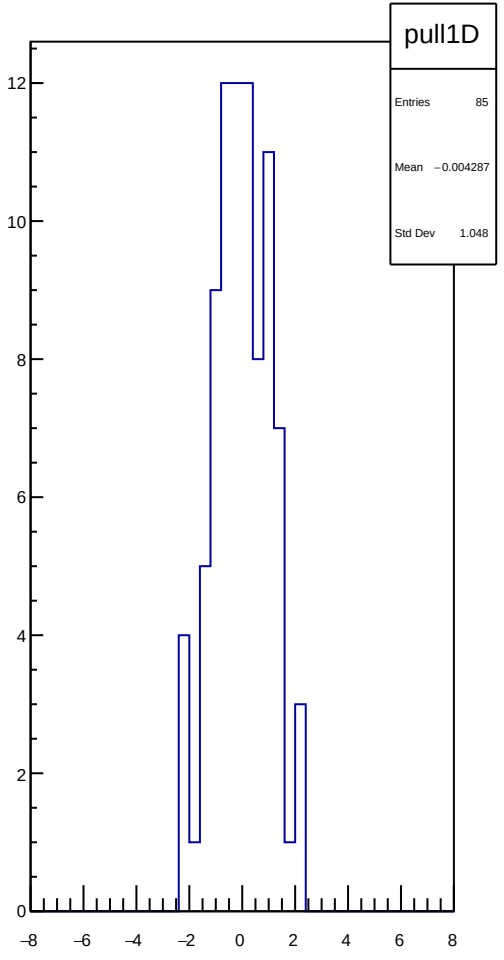

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2976 / 84
p0 1287 ± 1.003
1450
1400
1350
1300
1250
1200
1150

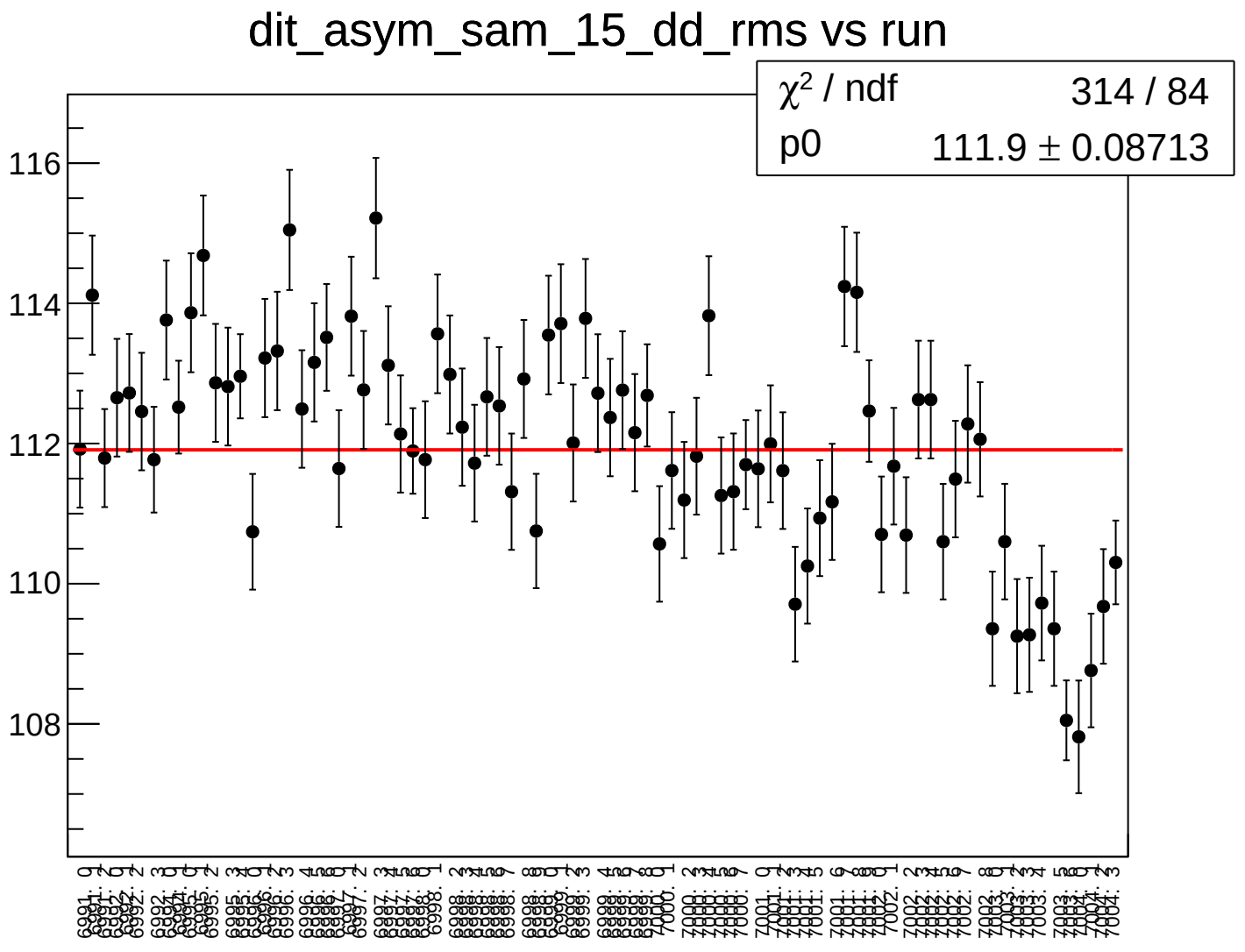

asym_sam_48_avg_mean vs run
χ² / ndf 75.18 / 84
p0 1228 ± 1394
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 617.1
Std Dev 575.4
2
1
0
−1
−2

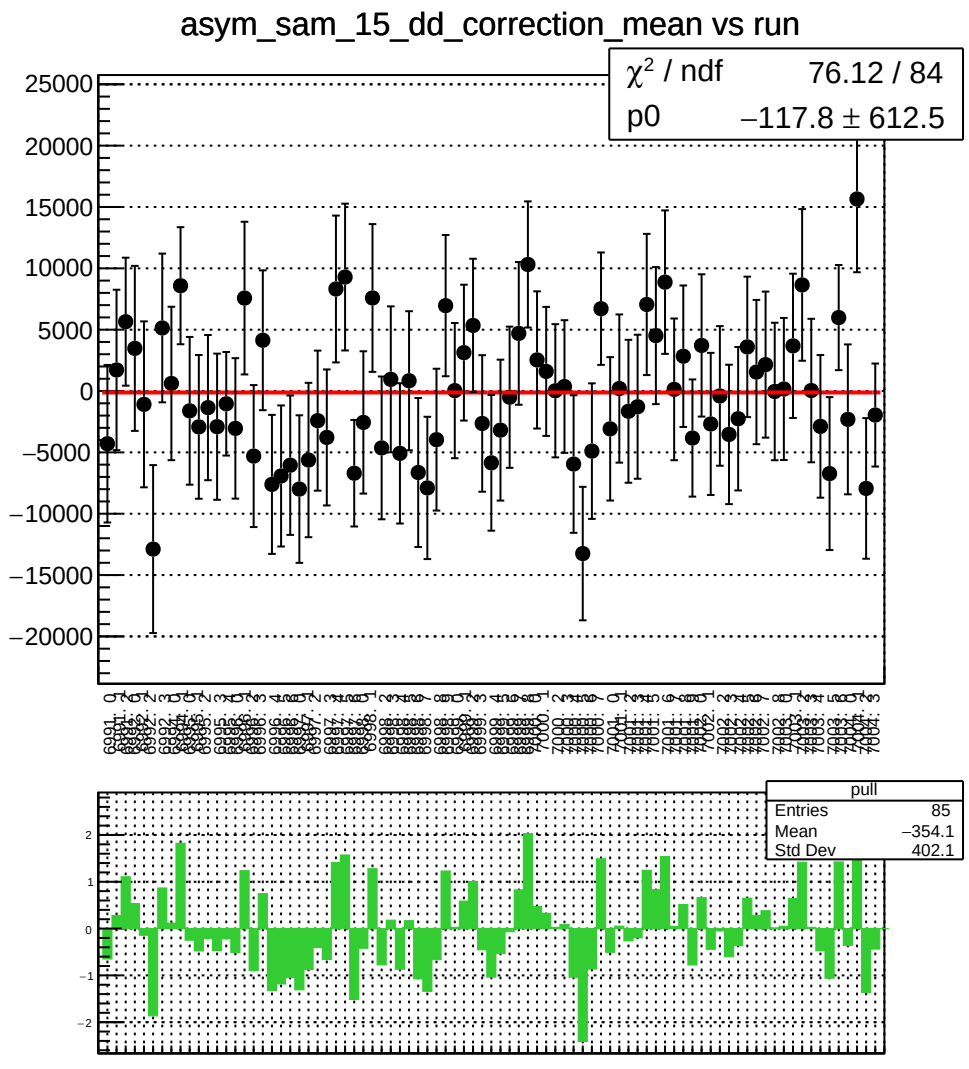

pull1D
Entries 85
Mean −0.002363
Std Dev 0.9404
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

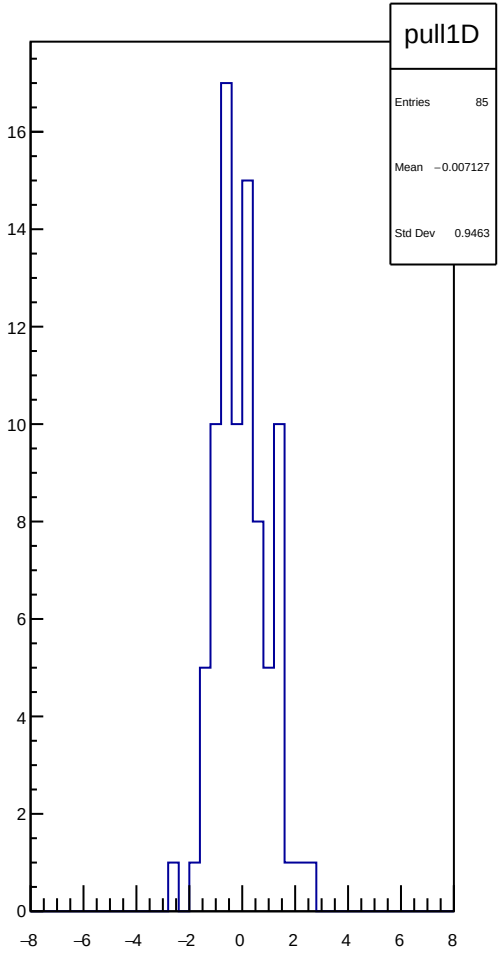

asym_sam_48_avg_rms vs run
χ² / ndf 3808 / 84
p0 1264 ± 0.9854
1450
1400
1350
1300
1250
1200
1150
1100

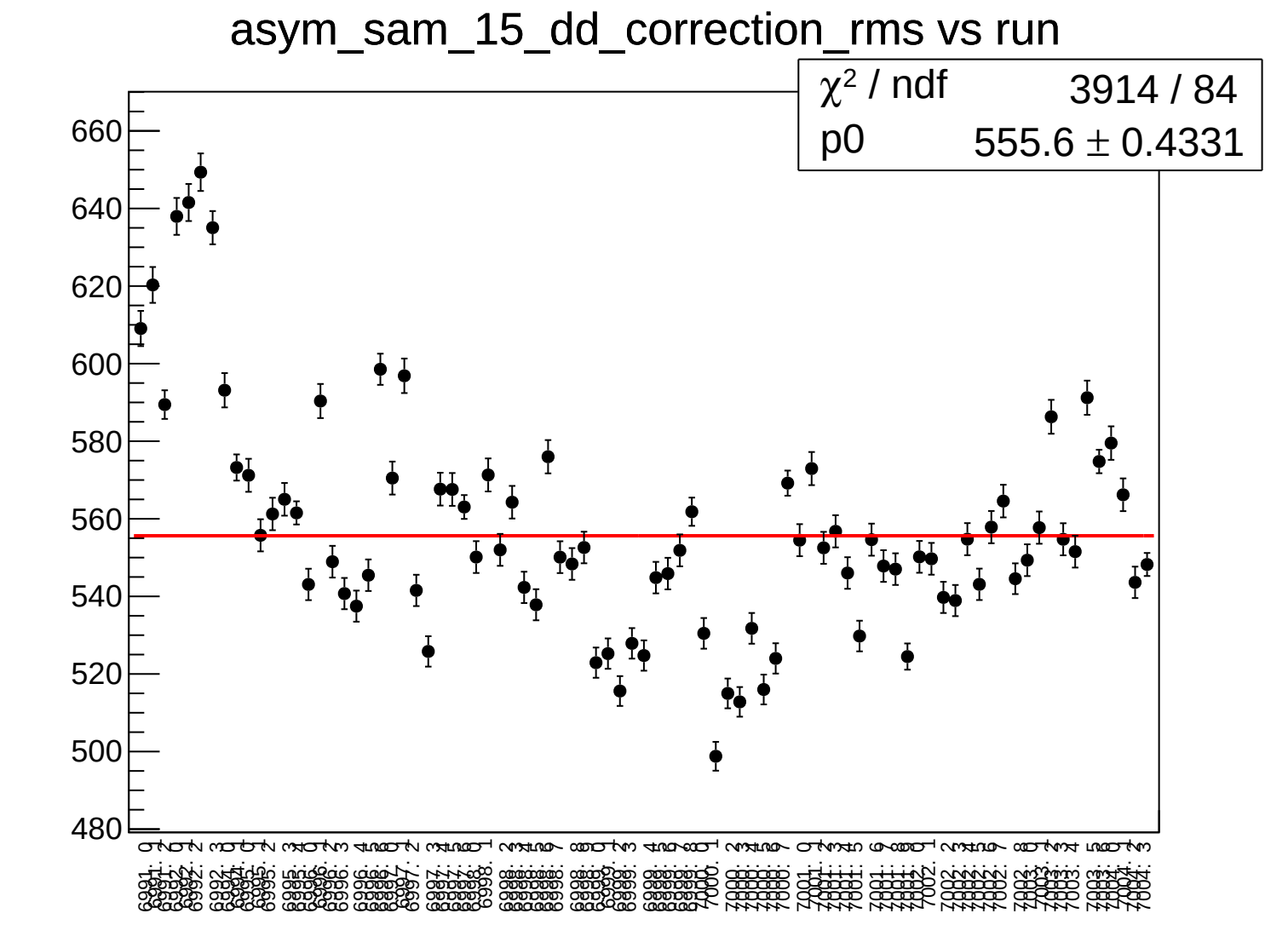

dit_asym_sam_15_dd_mean vs run
χ² / ndf 93.38 / 84
p0 66.53 ± 123.2
pull
Entries 85
Mean 1044
Std Dev 1006

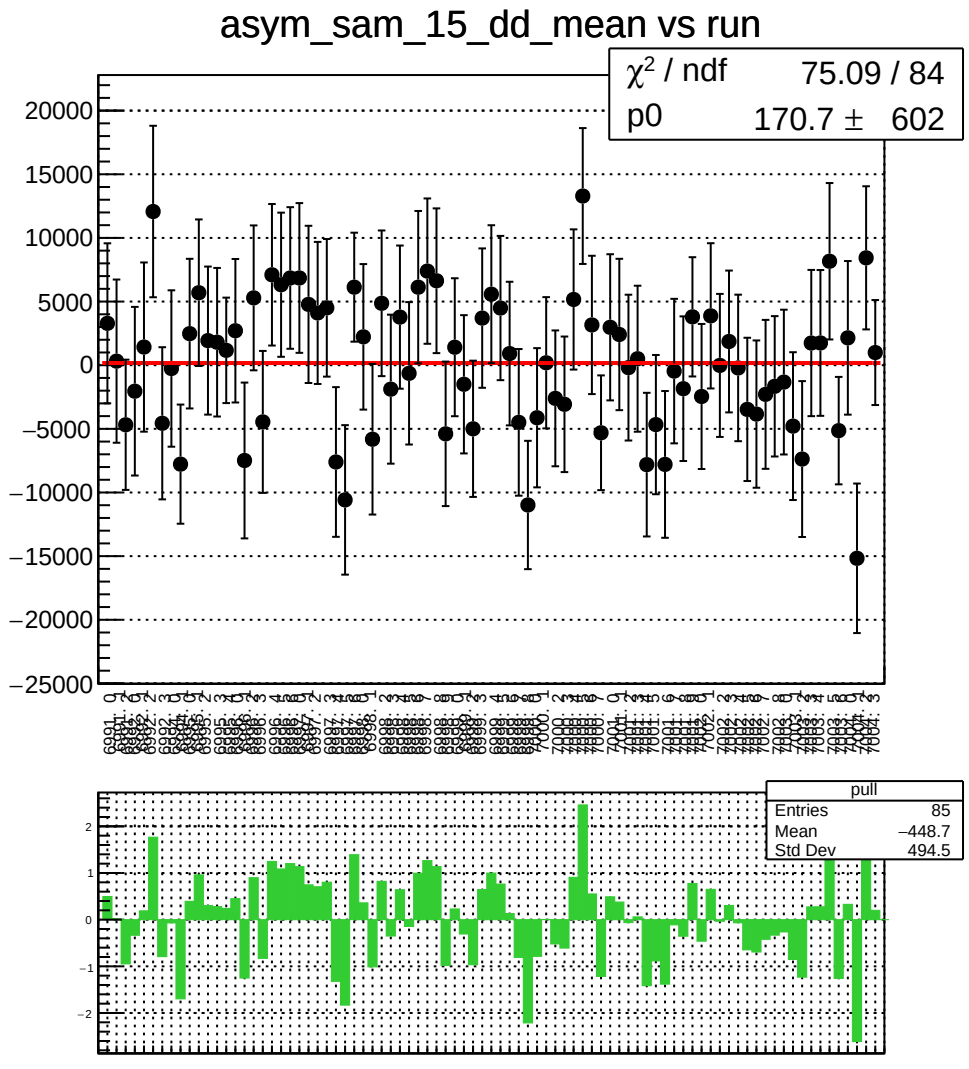

pull1D
Entries 85
Mean −0.004287
Std Dev 1.048

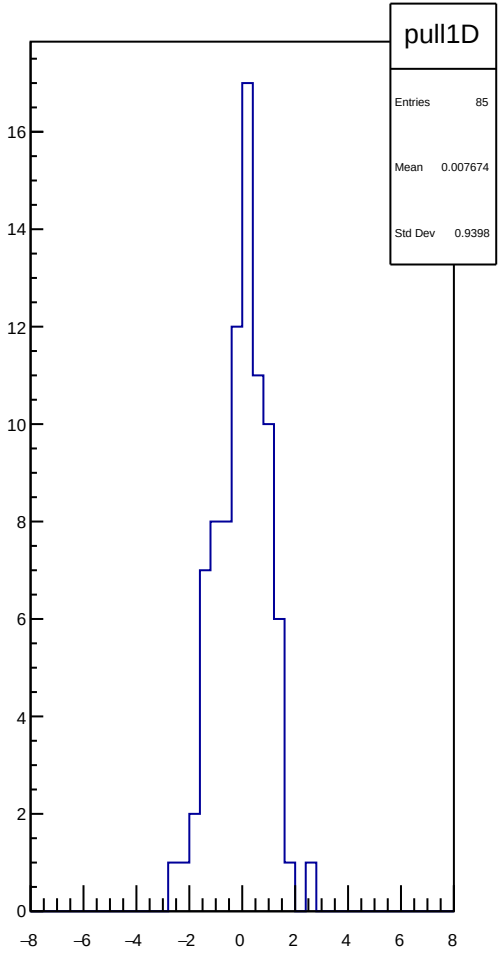

dit_asym_sam_15_dd_rms vs run
χ² / ndf 314 / 84
p0 111.9 ± 0.08713
116
114
112
110
108

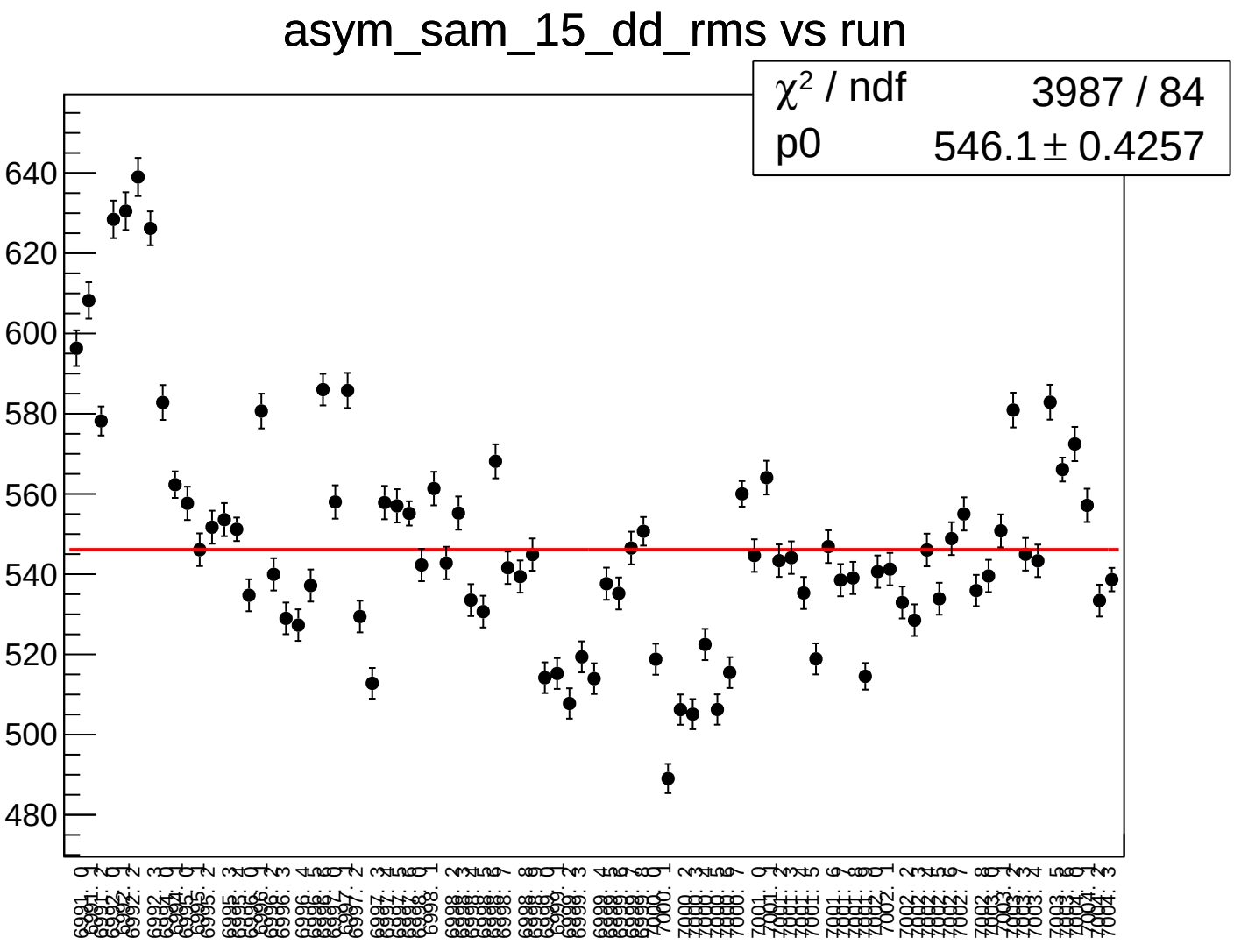

asym_sam_15_dd_correction_mean vs run
χ² / ndf 76.12 / 84
p0 −117.8 ± 612.5
pull
Entries 85
Mean −354.1
Std Dev 402.1

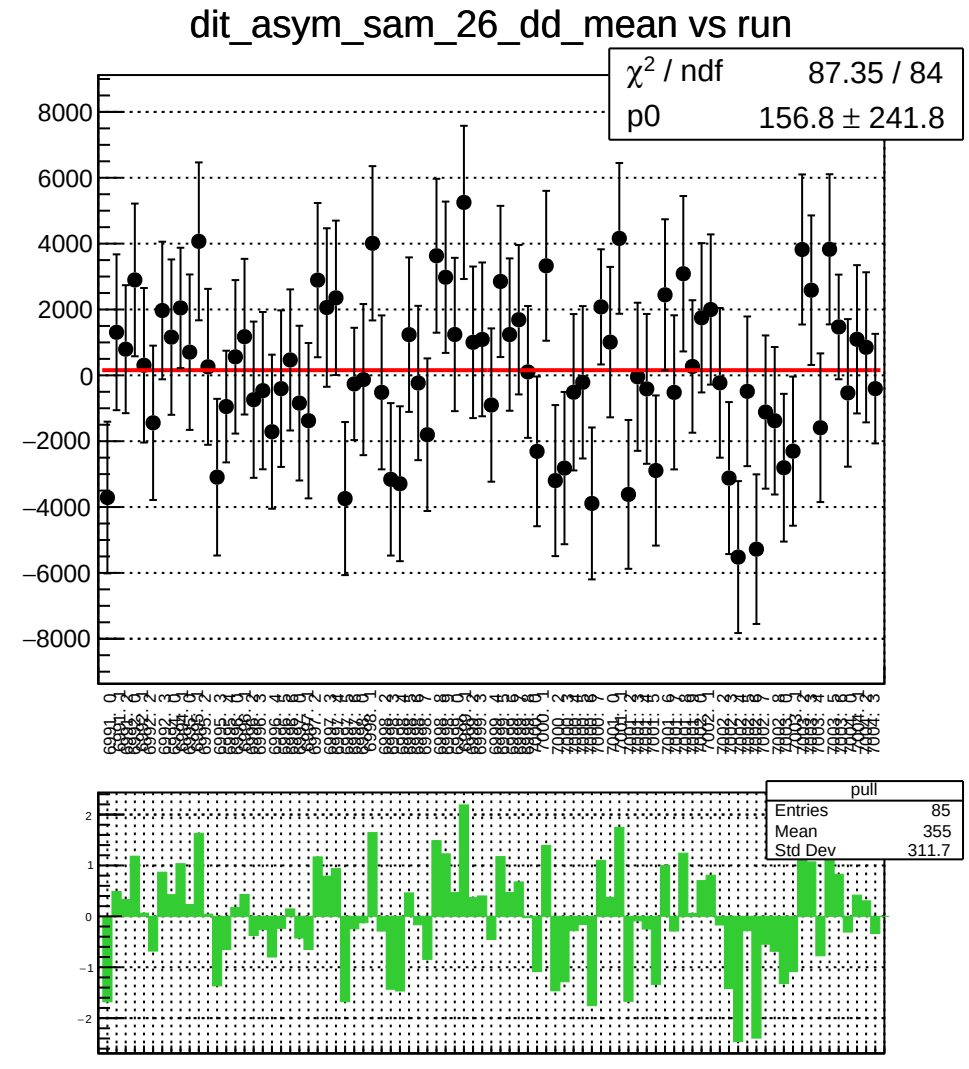

pull1D
Entries 85
Mean −0.007127
Std Dev 0.9463

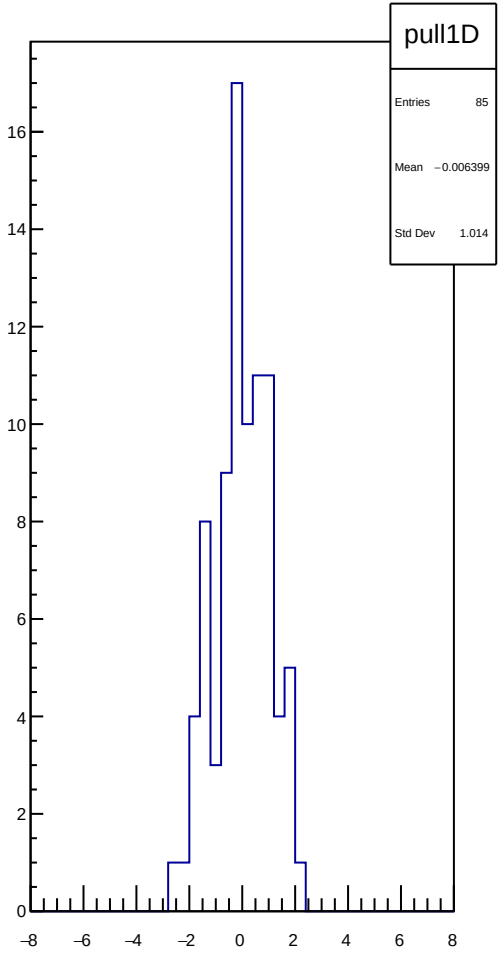

asym_sam_15_dd_correction_rms vs run
χ² / ndf 3914 / 84
p0 555.6 ± 0.4331
660
640
620
600
580
560
540
520
500
480

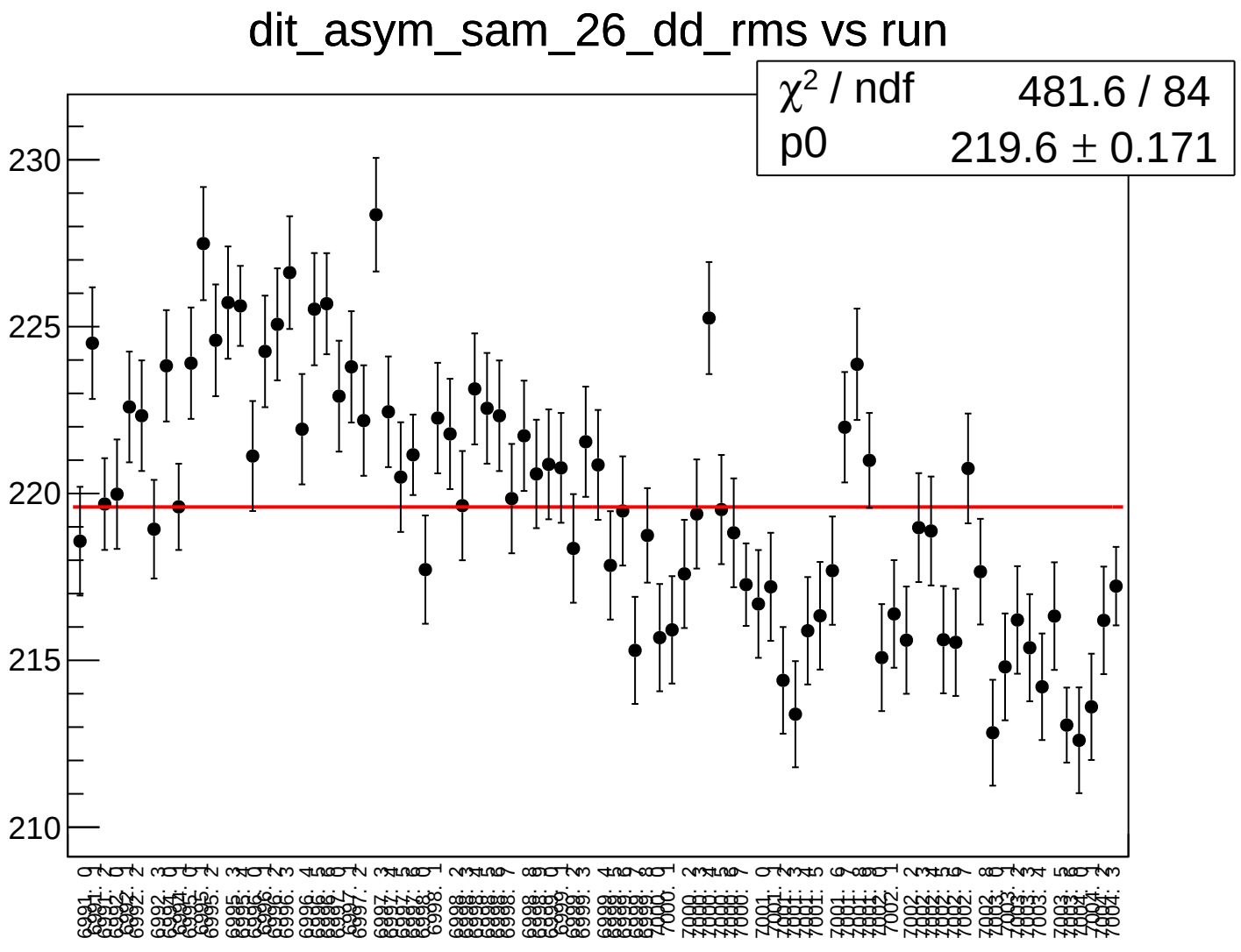

asym_sam_15_dd_mean vs run
χ² / ndf 75.09 / 84
p0 170.7 ± 602
pull
Entries 85
Mean −448.7
Std Dev 494.5

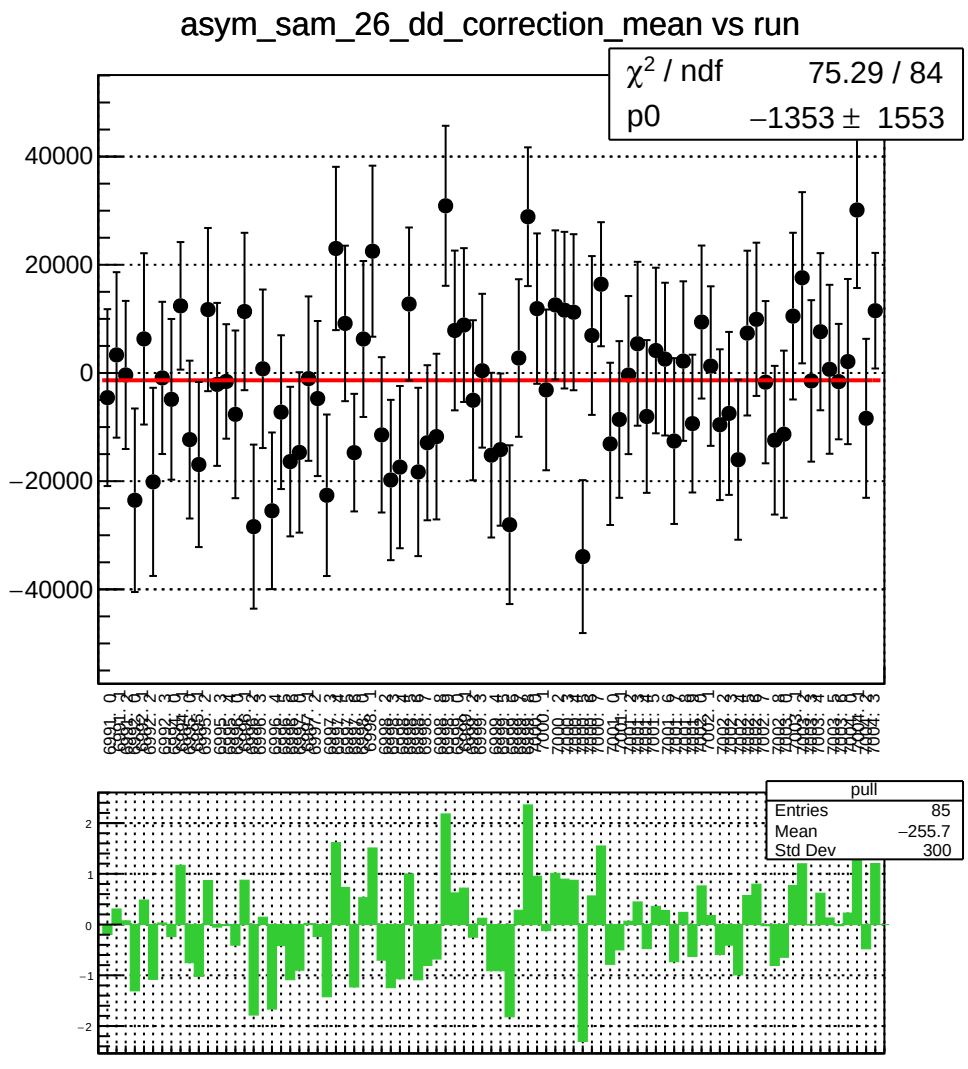

pull1D
Entries 85
Mean 0.007674
Std Dev 0.9398

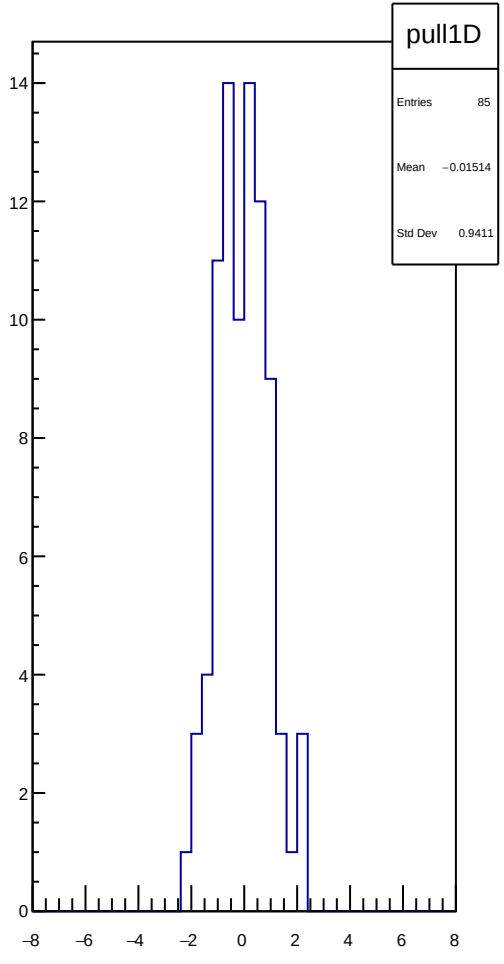

asym_sam_15_dd_rms vs run
χ² / ndf 3987 / 84
p0 546.1 ± 0.4257
640
620
600
580
560
540
520
500
480

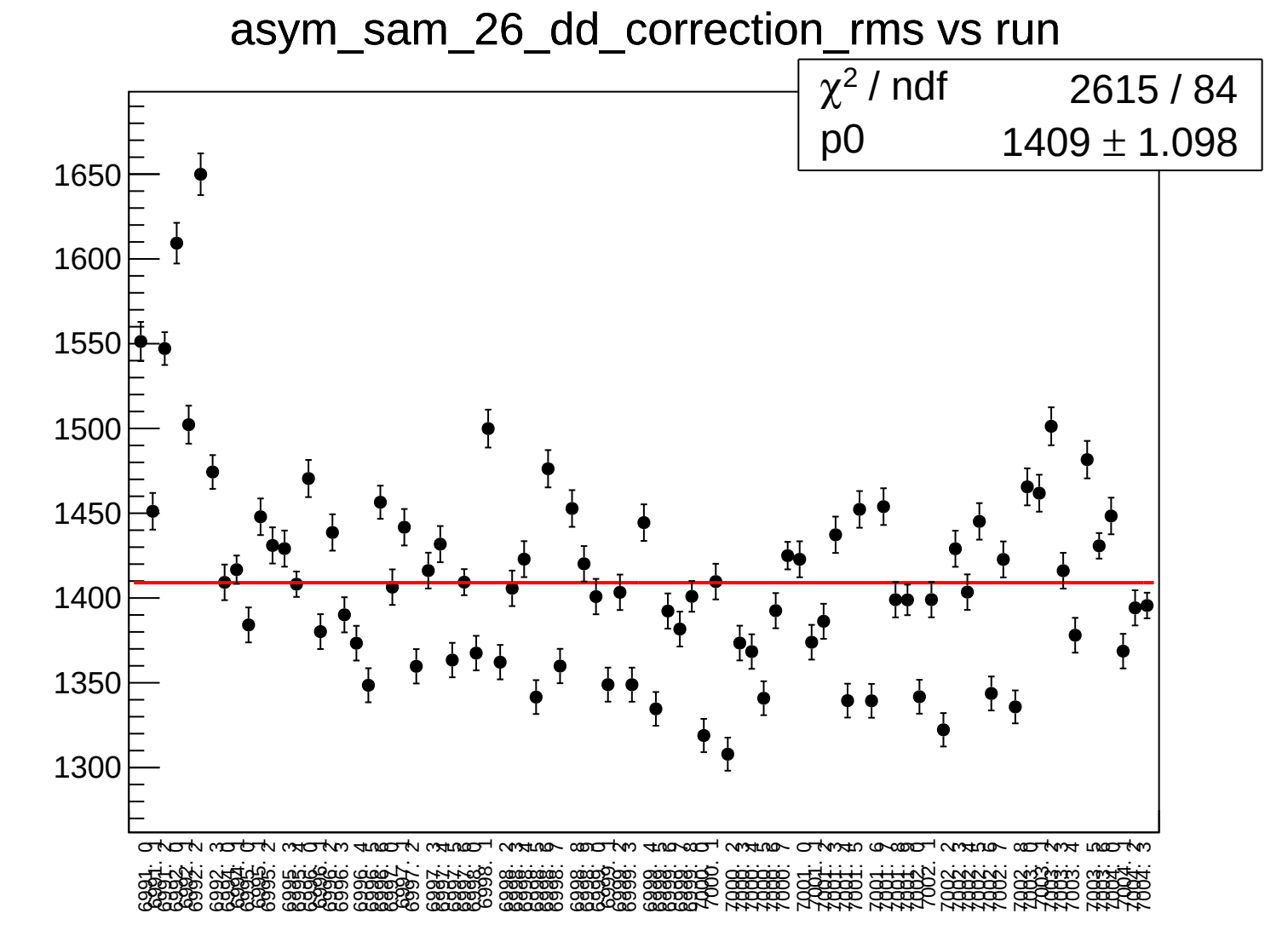

dit_asym_sam_26_dd_mean vs run
χ² / ndf 87.35 / 84
p0 156.8 ± 241.8
pull
Entries 85
Mean 355
Std Dev 311.7

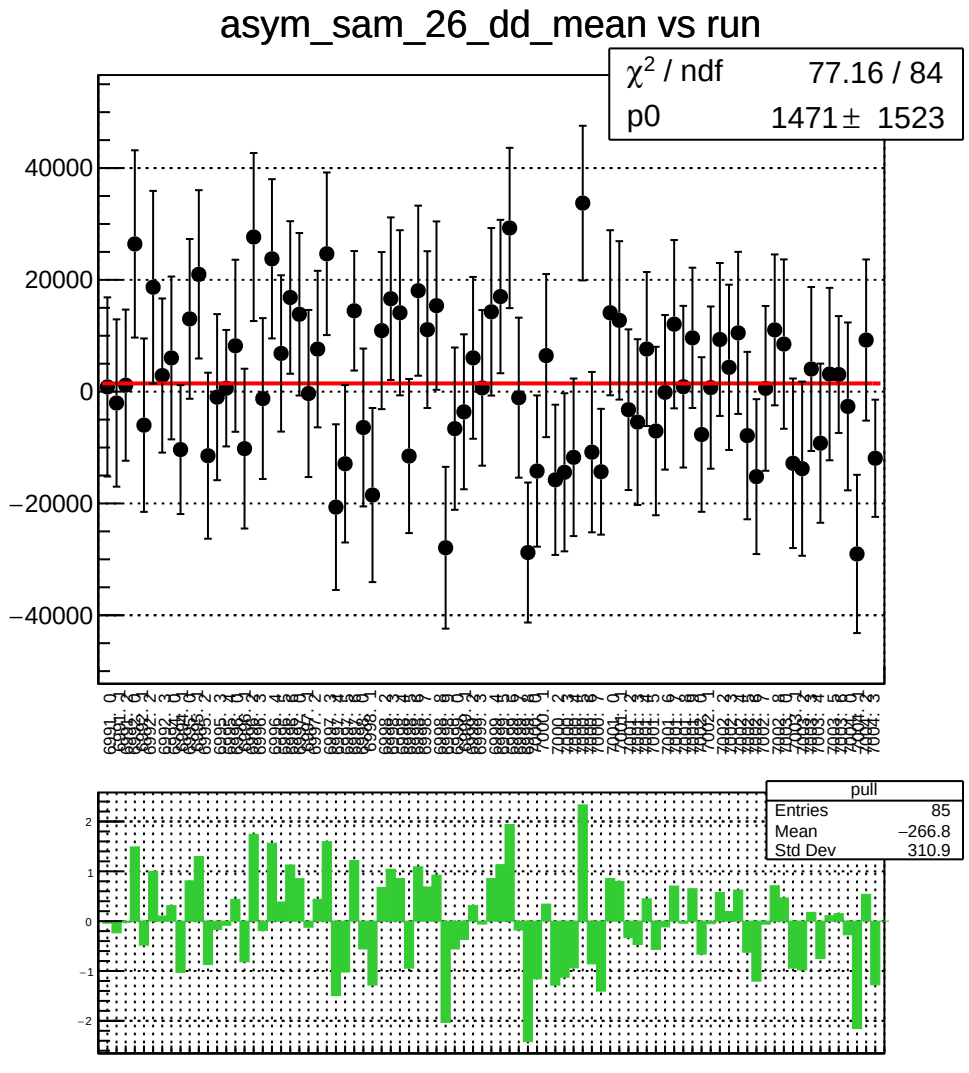

pull1D
Entries 85
Mean −0.006399
Std Dev 1.014

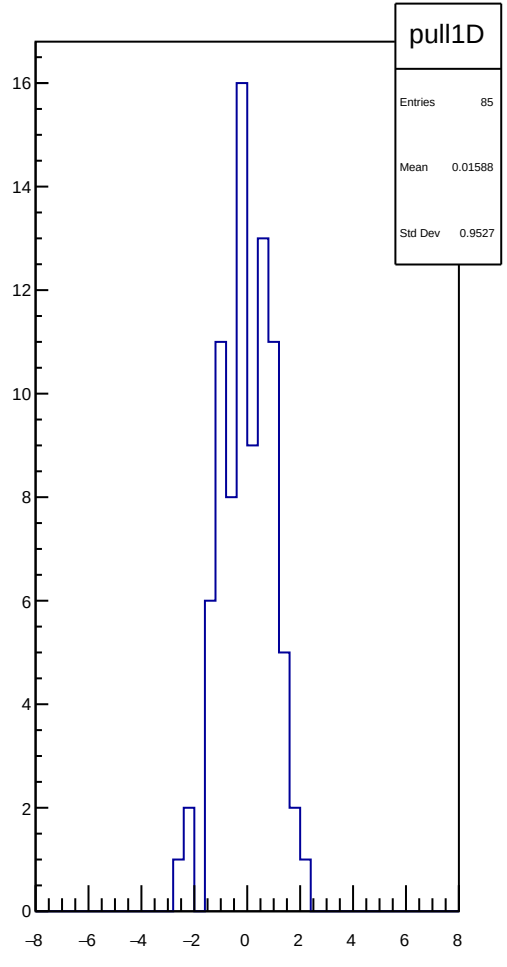

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 481.6 / 84
p0 219.6 ± 0.171
230
225
220
215
210

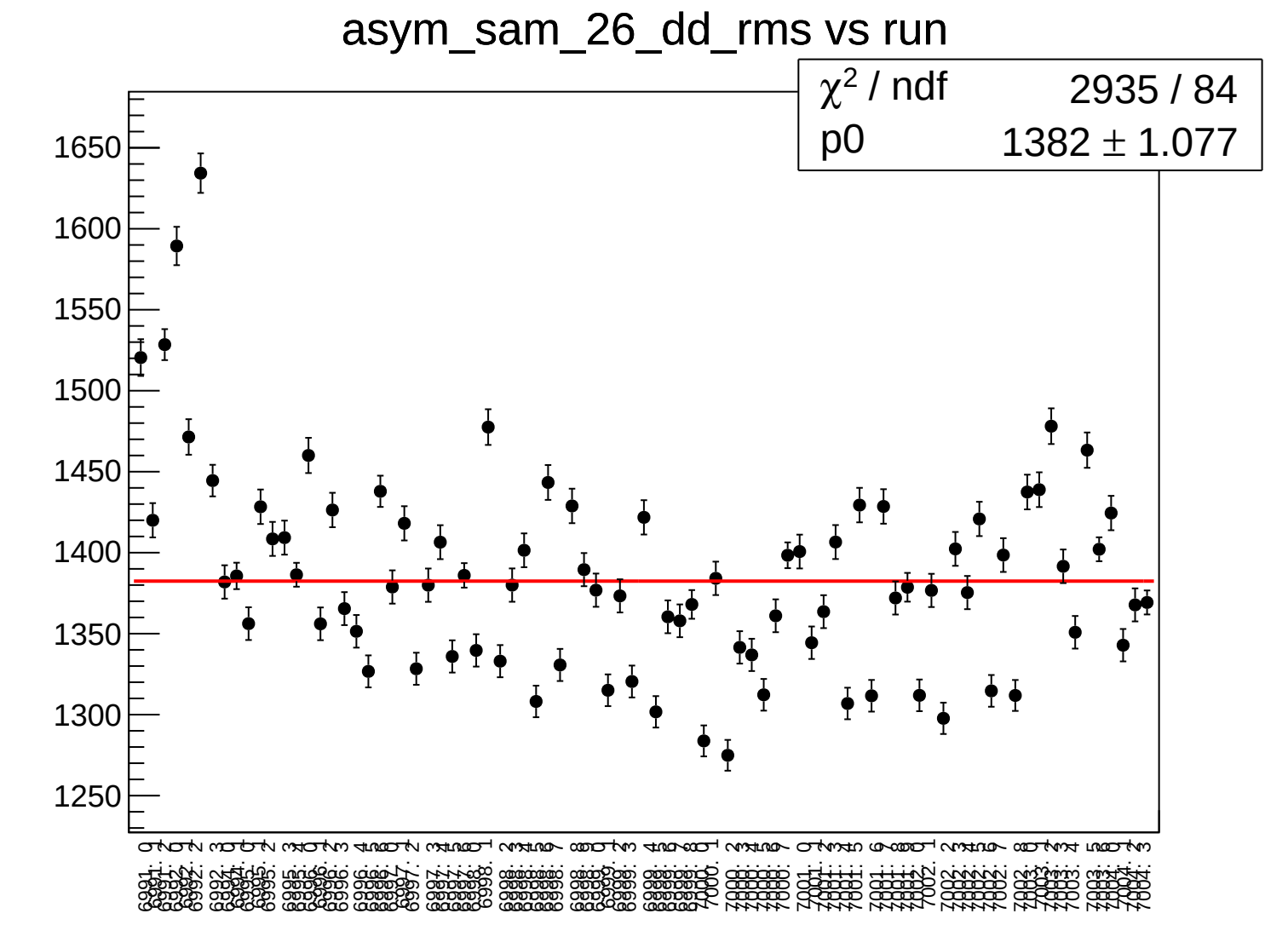

asym_sam_26_dd_correction_mean vs run
χ² / ndf 75.29 / 84
p0 −1353 ± 1553
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −255.7
Std Dev 300
2
1
0
−1
−2

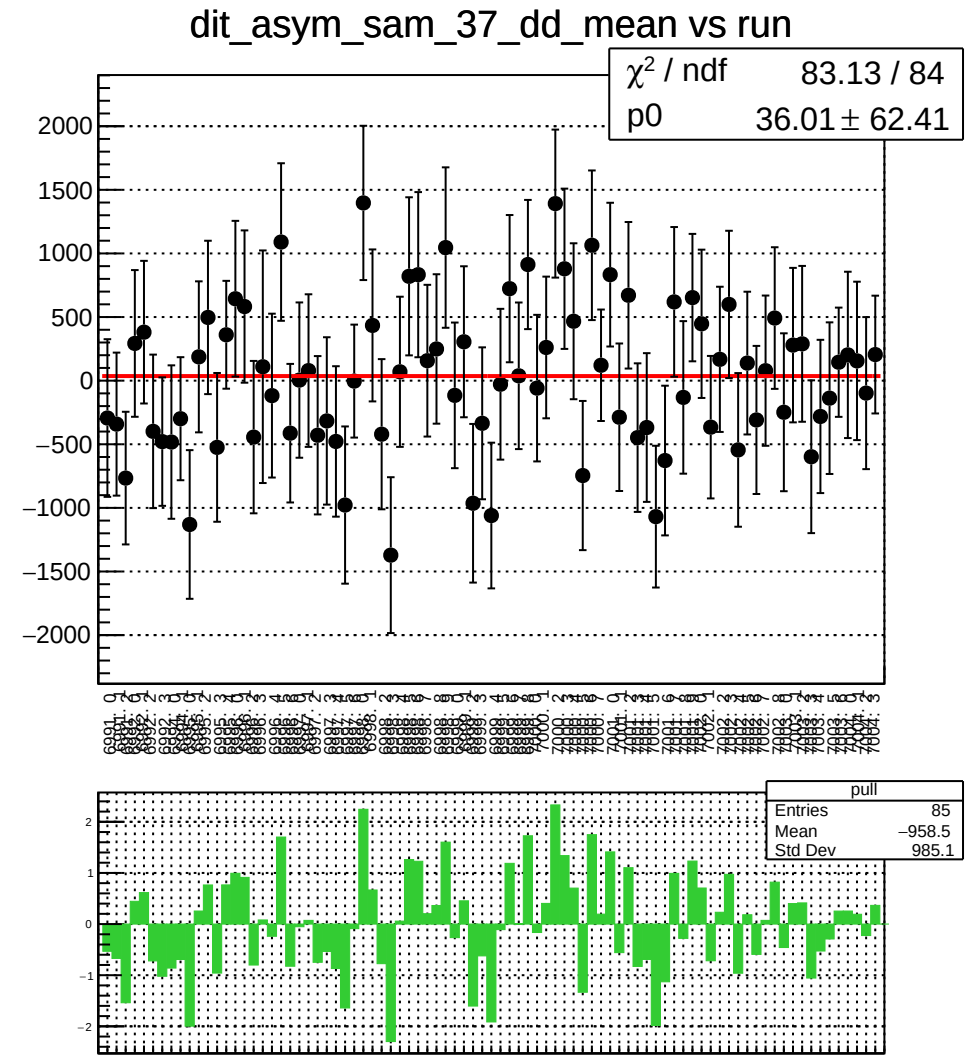

pull1D
Entries 85
Mean −0.01514
Std Dev 0.9411
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

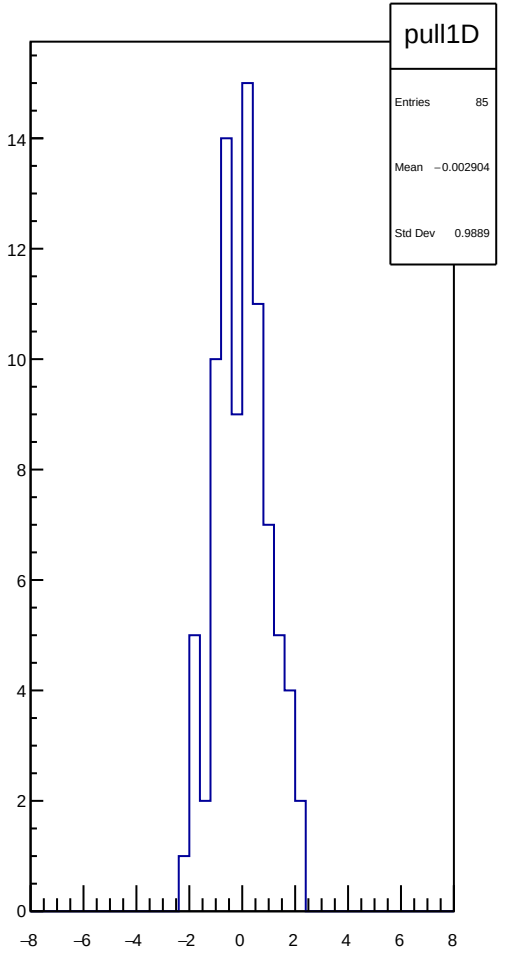

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2615 / 84
p0 1409 ± 1.098
1650
1600
1550
1500
1450
1400
1350
1300

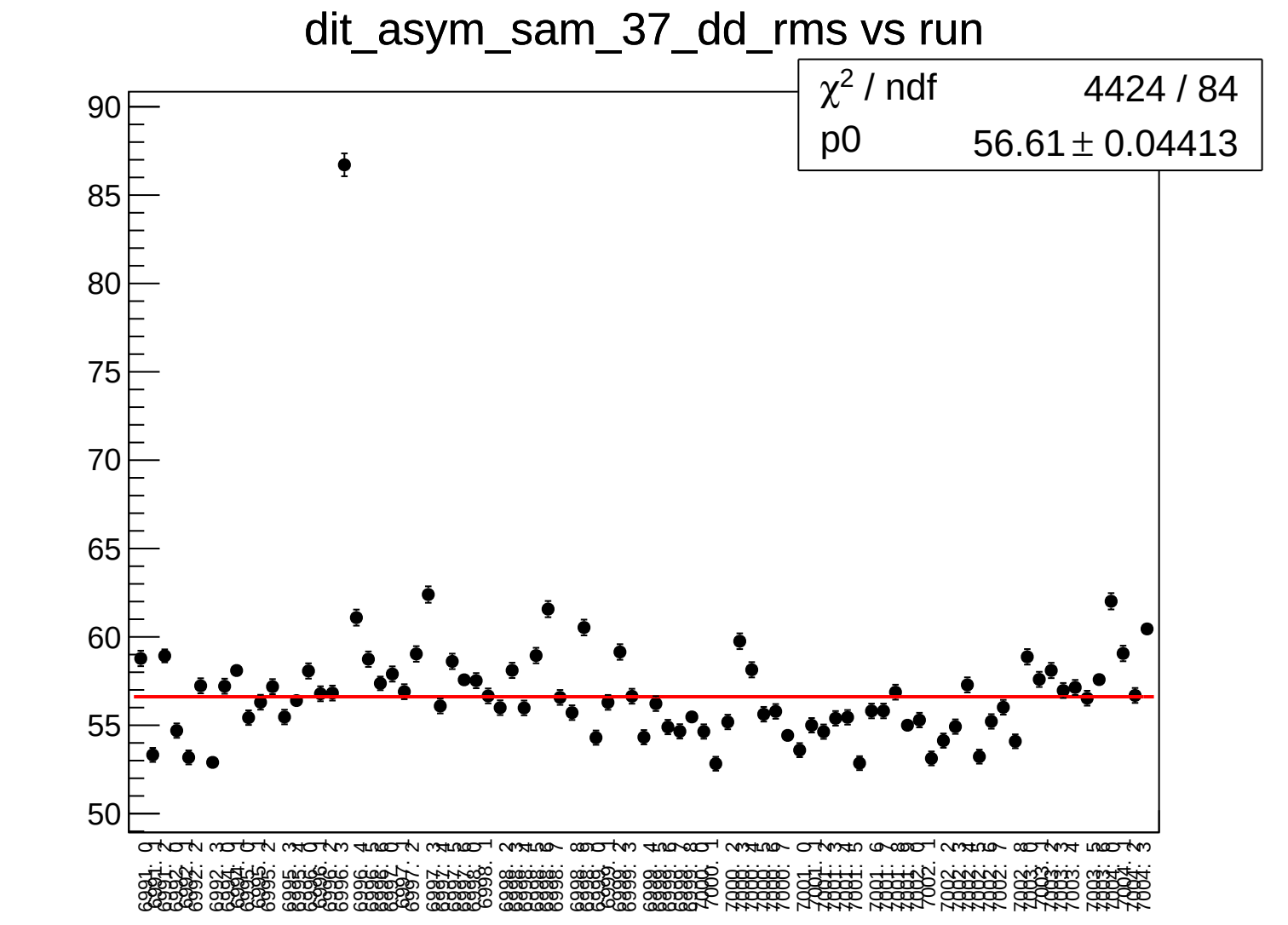

asym_sam_26_dd_mean vs run
χ² / ndf 77.16 / 84
p0 1471 ± 1523
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −266.8
Std Dev 310.9
2
1
0
−1
−2

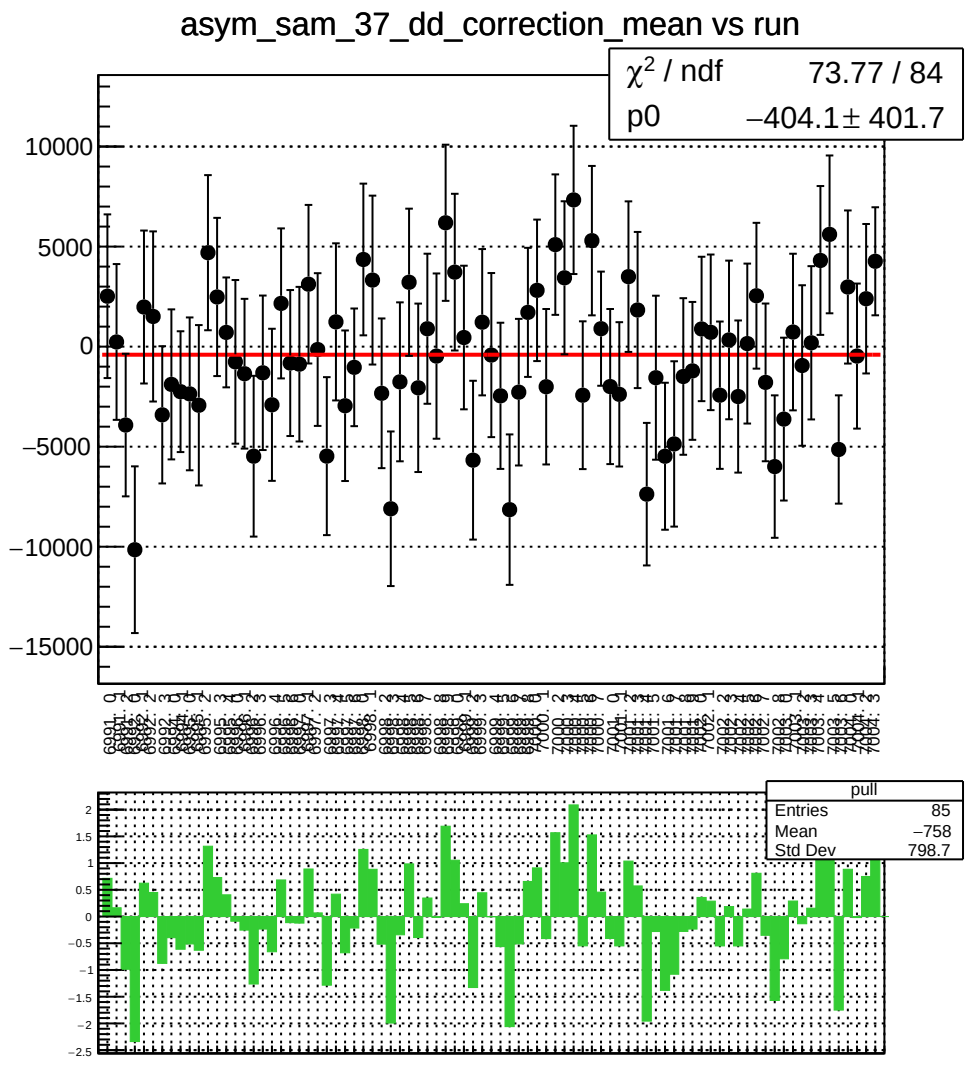

pull1D
Entries 85
Mean 0.01588
Std Dev 0.9527
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

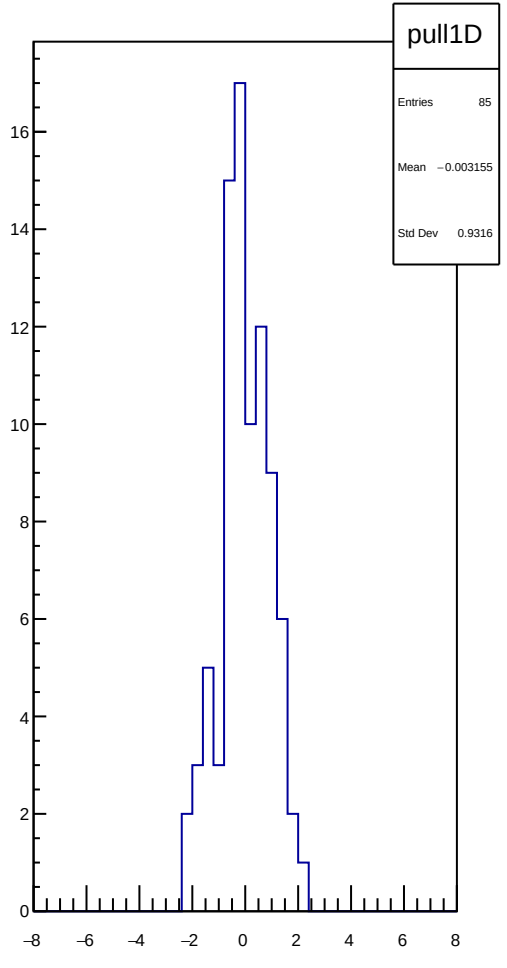

asym_sam_26_dd_rms vs run
χ² / ndf 2935 / 84
p0 1382 ± 1.077
1650
1600
1550
1500
1450
1400
1350
1300
1250

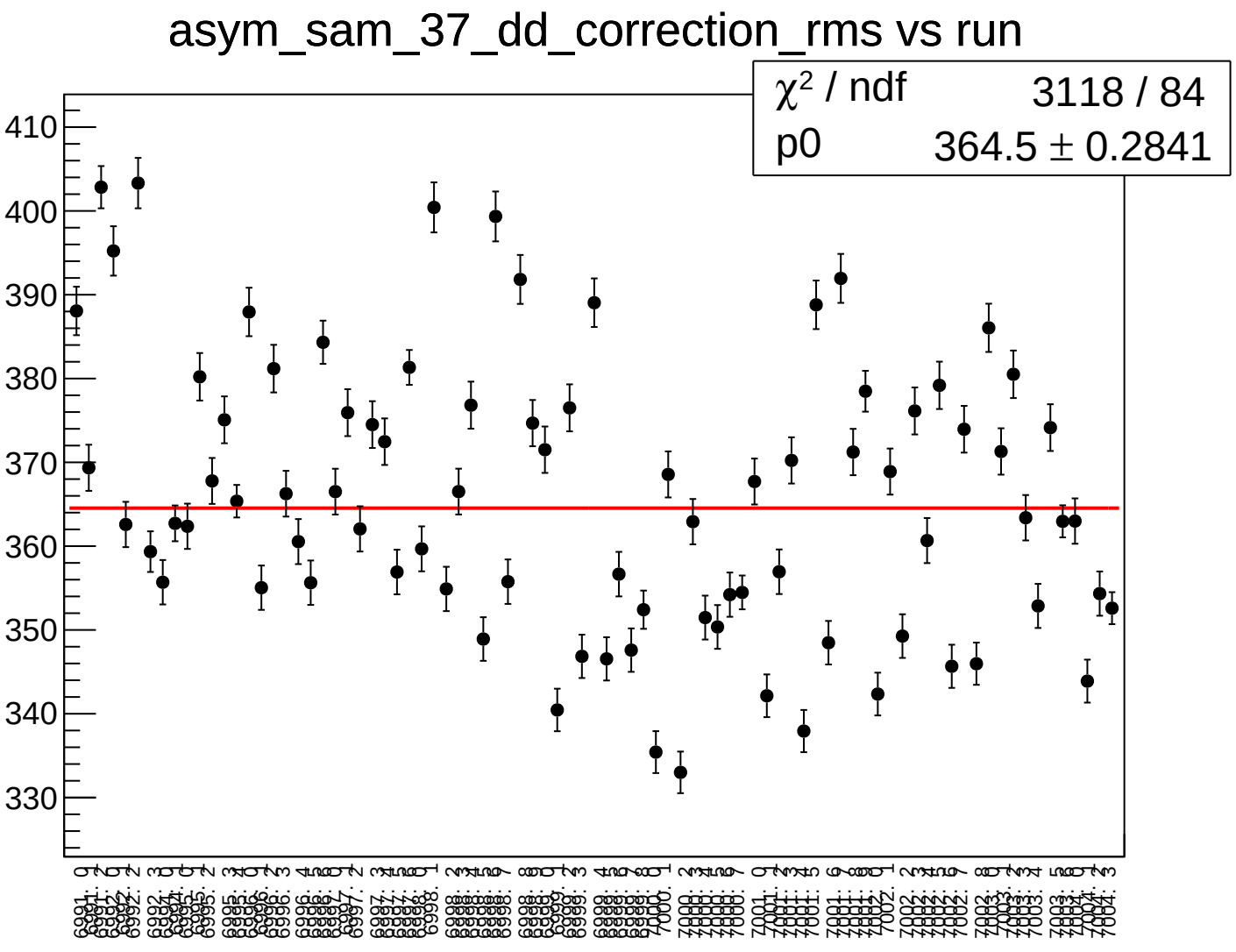

dit_asym_sam_37_dd_mean vs run
χ² / ndf 83.13 / 84
p0 36.01 ± 62.41
pull
Entries 85
Mean −958.5
Std Dev 985.1

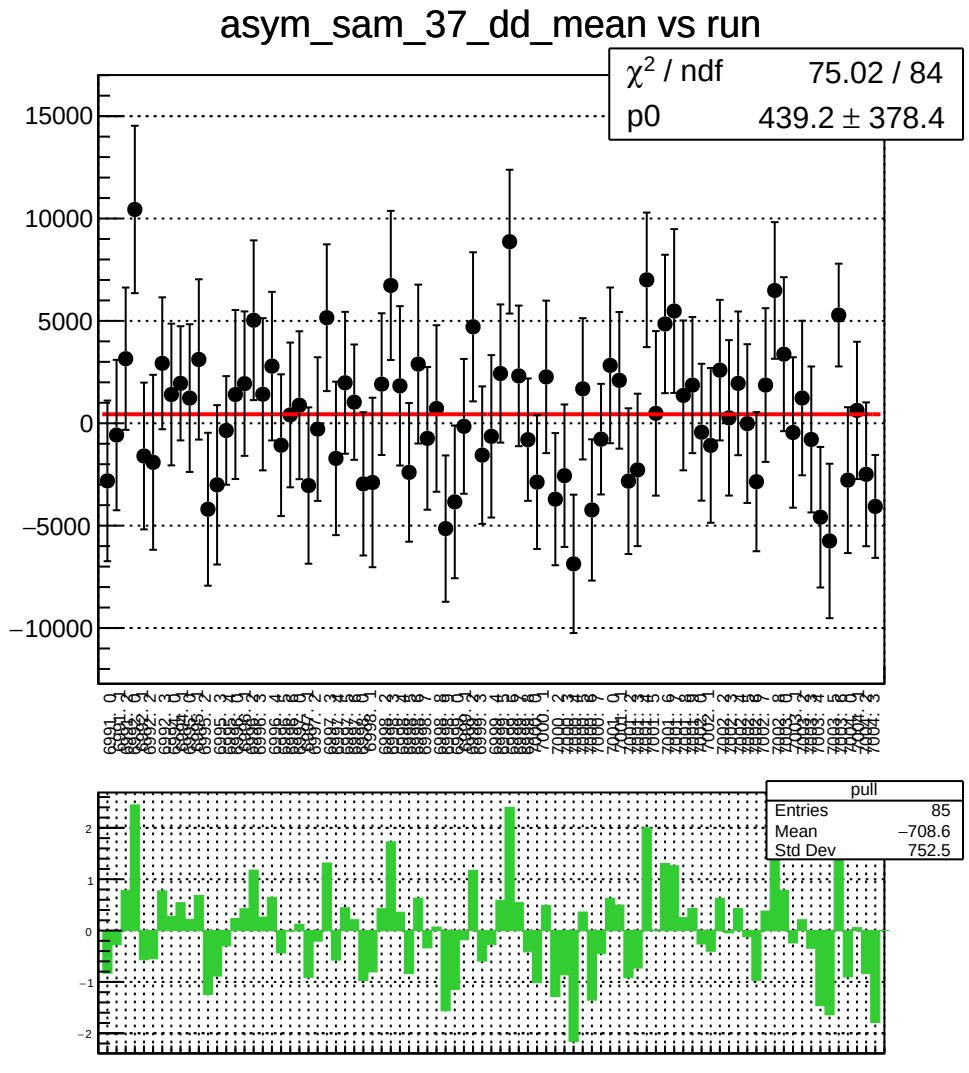

pull1D
Entries 85
Mean −0.002904
Std Dev 0.9889

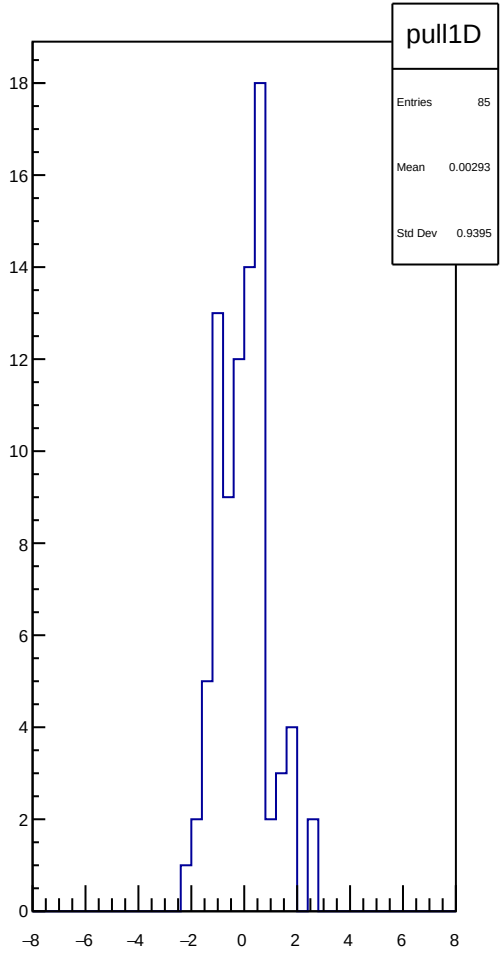

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 4424 / 84
p0 56.61 ± 0.04413
90
85
80
75
70
65
60
55
50

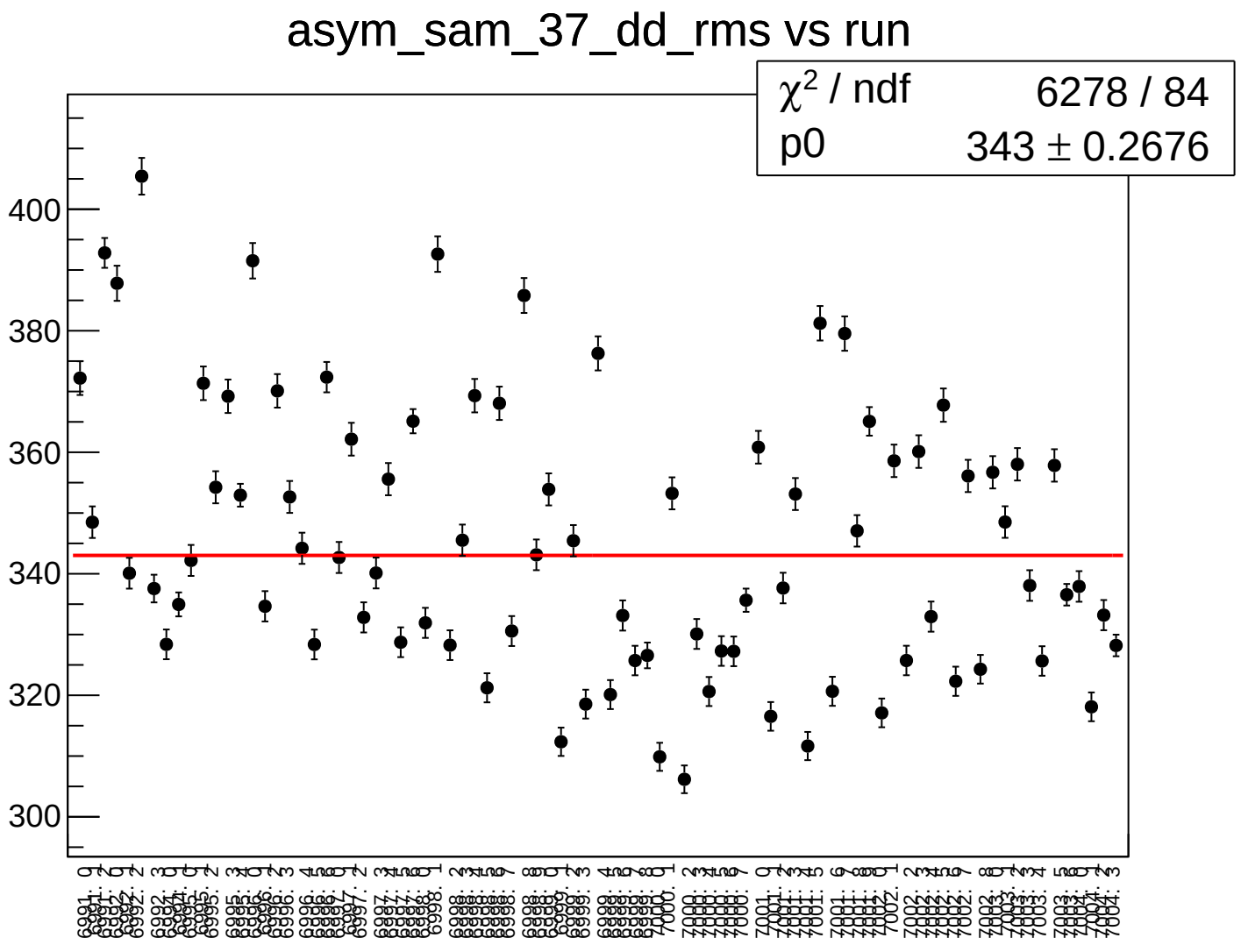

asym_sam_37_dd_correction_mean vs run
χ² / ndf 73.77 / 84
p0 −404.1± 401.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −758
Std Dev 798.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

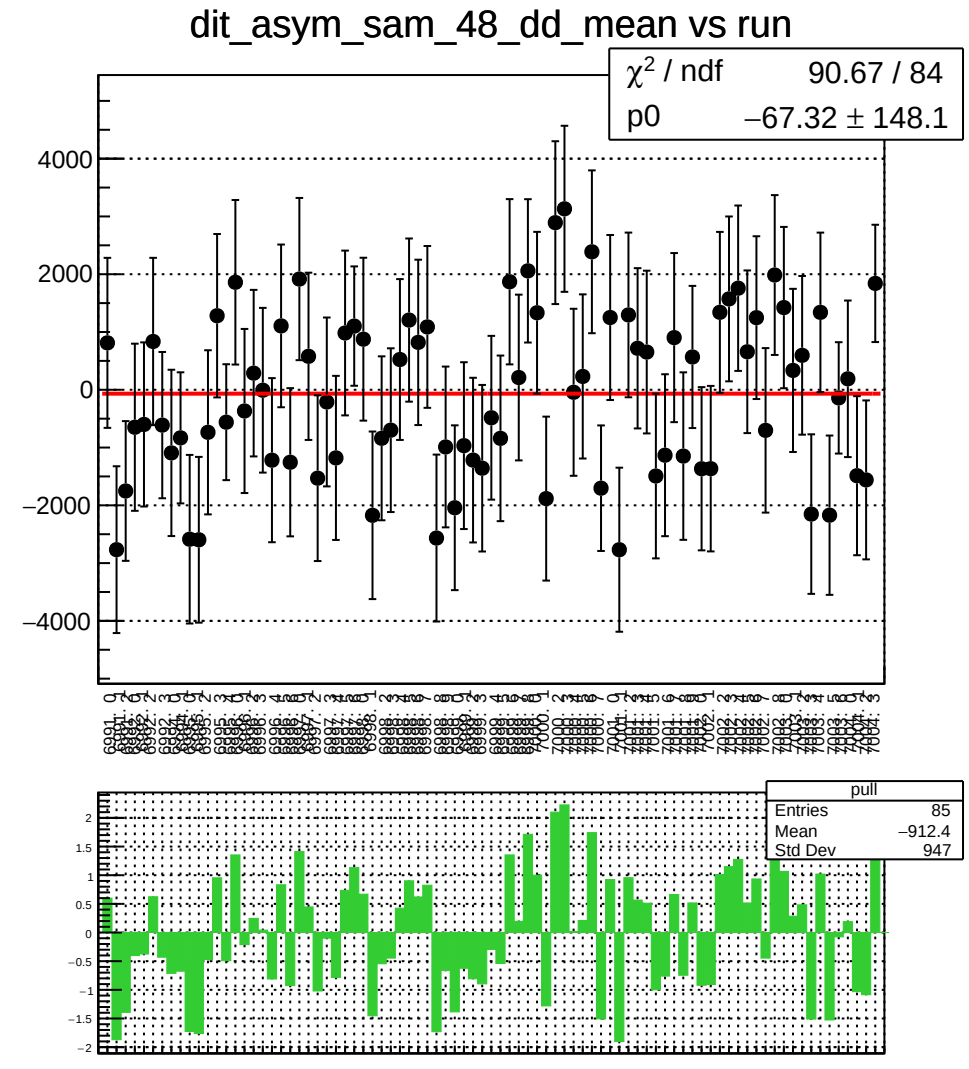

pull1D
Entries 85
Mean −0.003155
Std Dev 0.9316
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

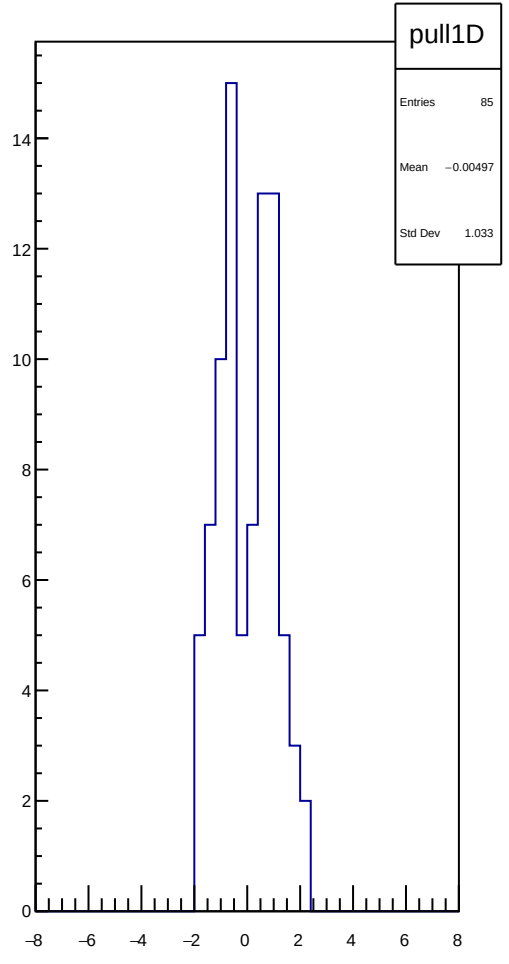

asym_sam_37_dd_correction_rms vs run
χ² / ndf 3118 / 84
p0 364.5 ± 0.2841
410
400
390
380
370
360
350
340
330

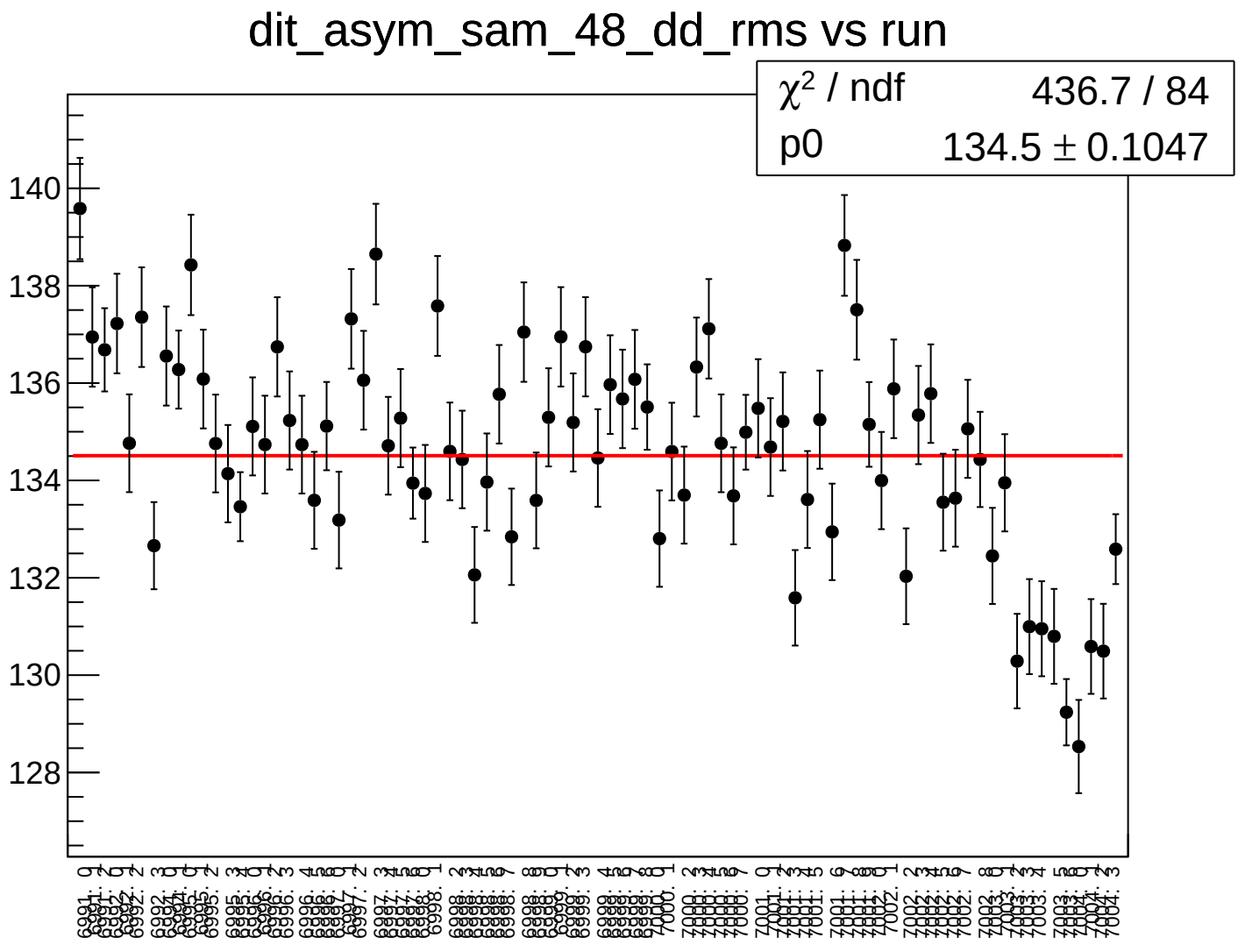

asym_sam_37_dd_mean vs run
χ^2 / ndf 75.02 / 84
p0 439.2 ± 378.4
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −708.6
Std Dev 752.5
2
1
0
−1
−2

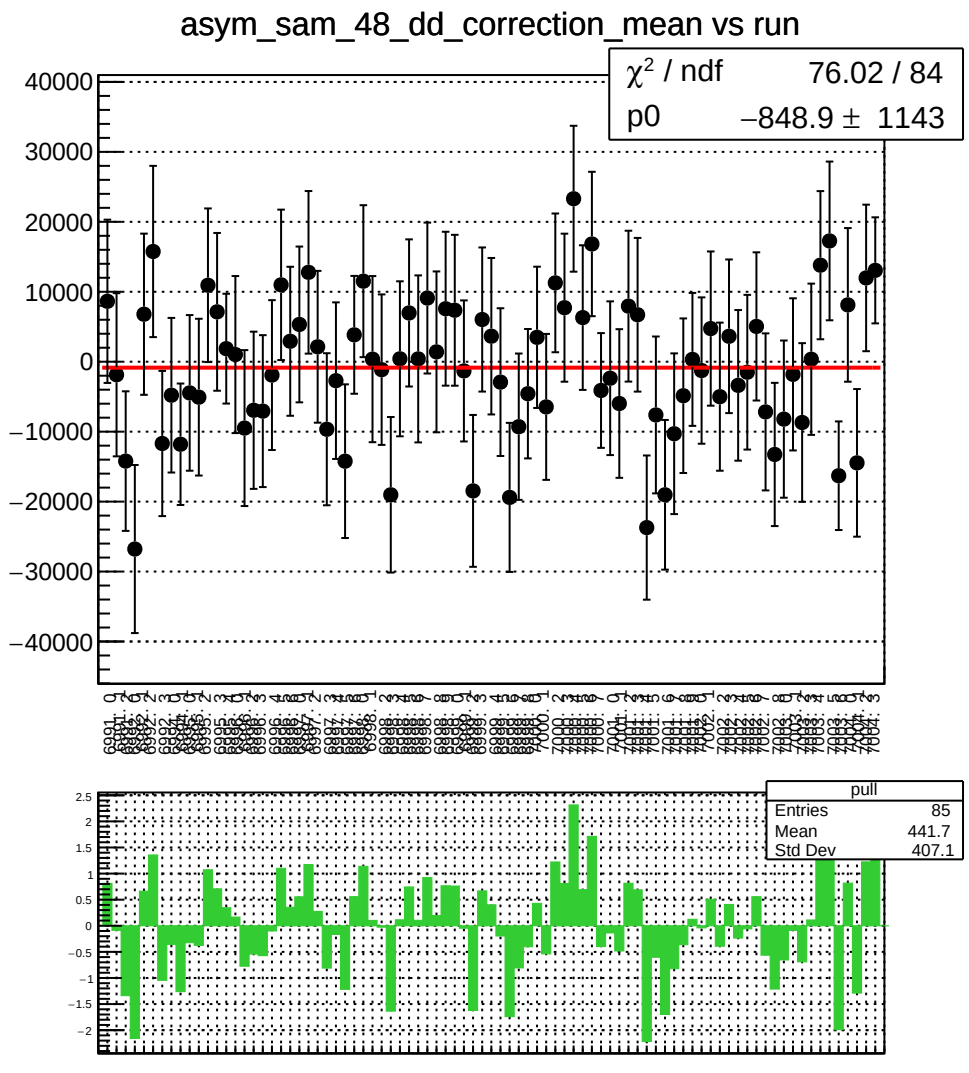

pull1D
Entries 85
Mean 0.00293
Std Dev 0.9395
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

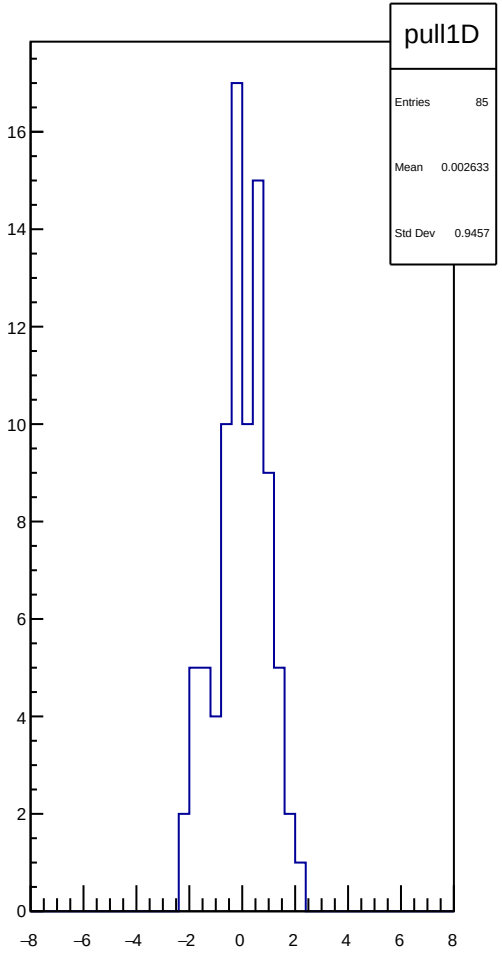

asym_sam_37_dd_rms vs run
χ² / ndf 6278 / 84
p0 343 ± 0.2676
400
380
360
340
320
300

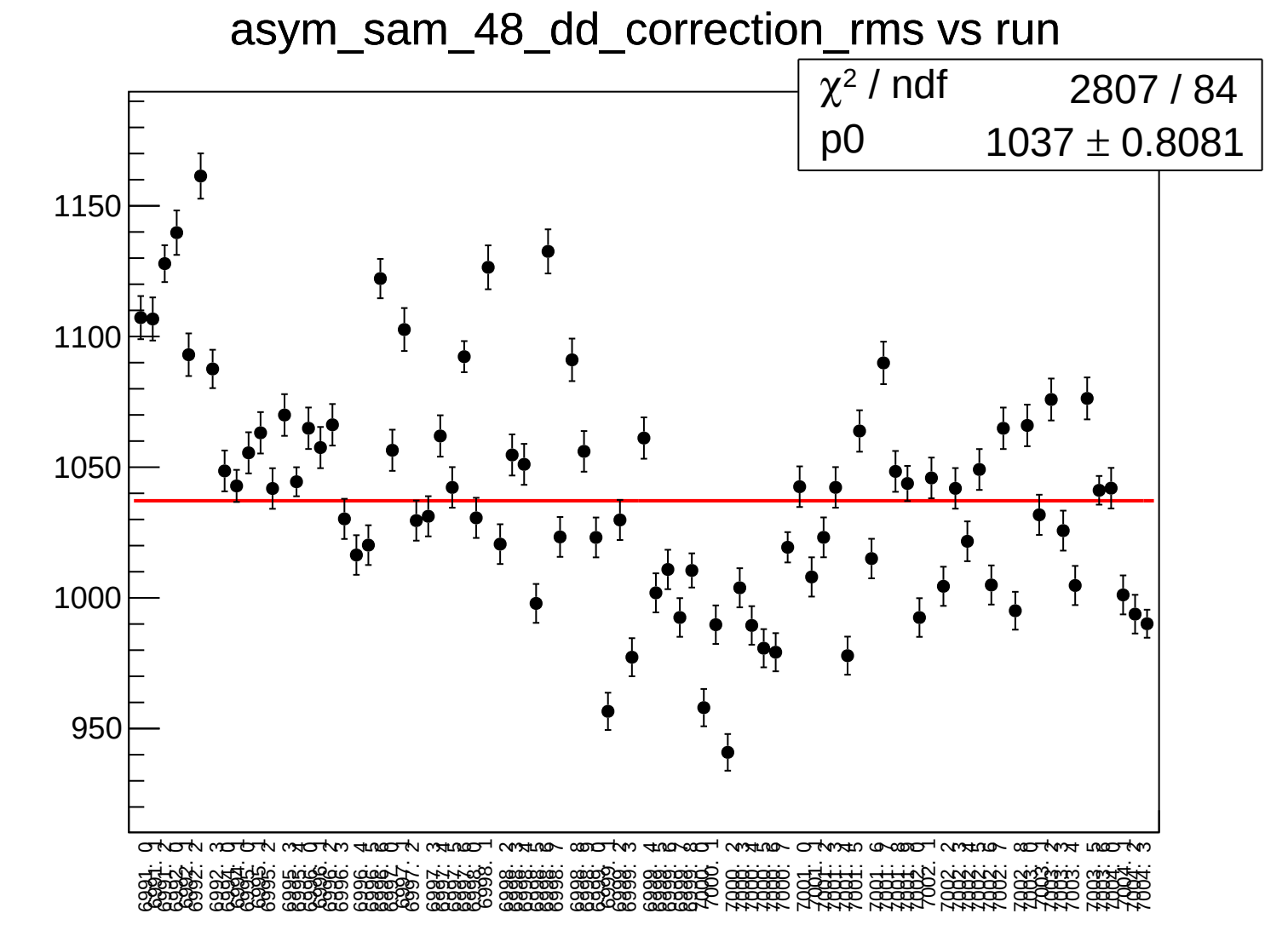

dit_asym_sam_48_dd_mean vs run
χ² / ndf 90.67 / 84
p0 −67.32 ± 148.1
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −912.4
Std Dev 947
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

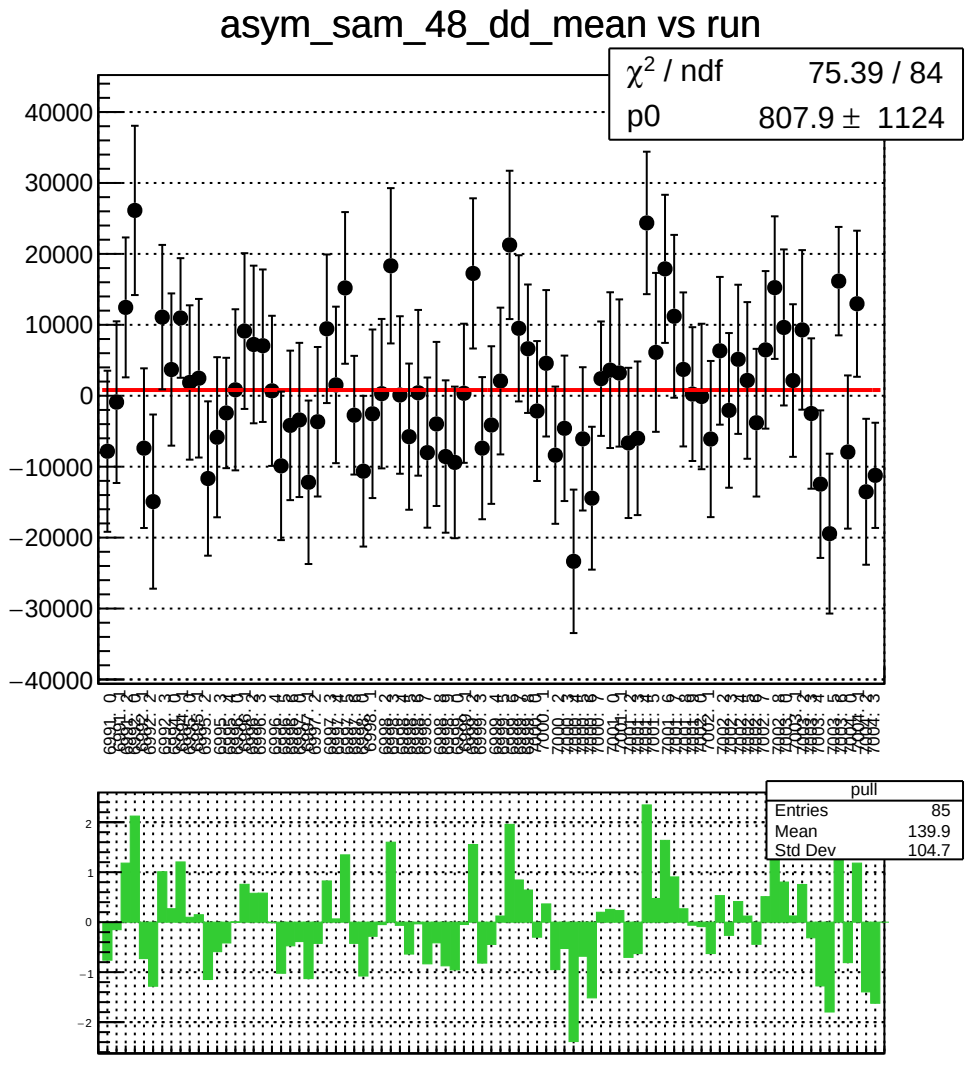

pull1D
Entries 85
Mean −0.00497
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

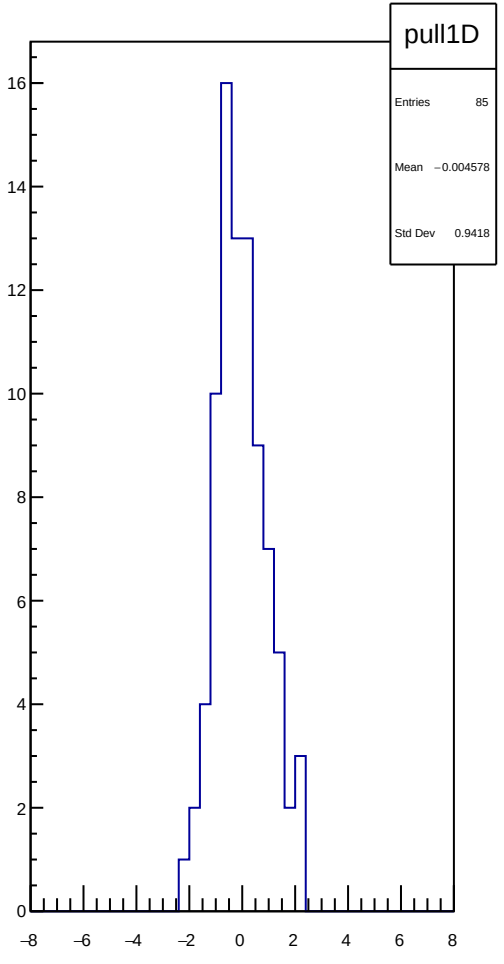

dit_asym_sam_48_dd_rms vs run
χ² / ndf 436.7 / 84
p0 134.5 ± 0.1047
140
138
136
134
132
130
128

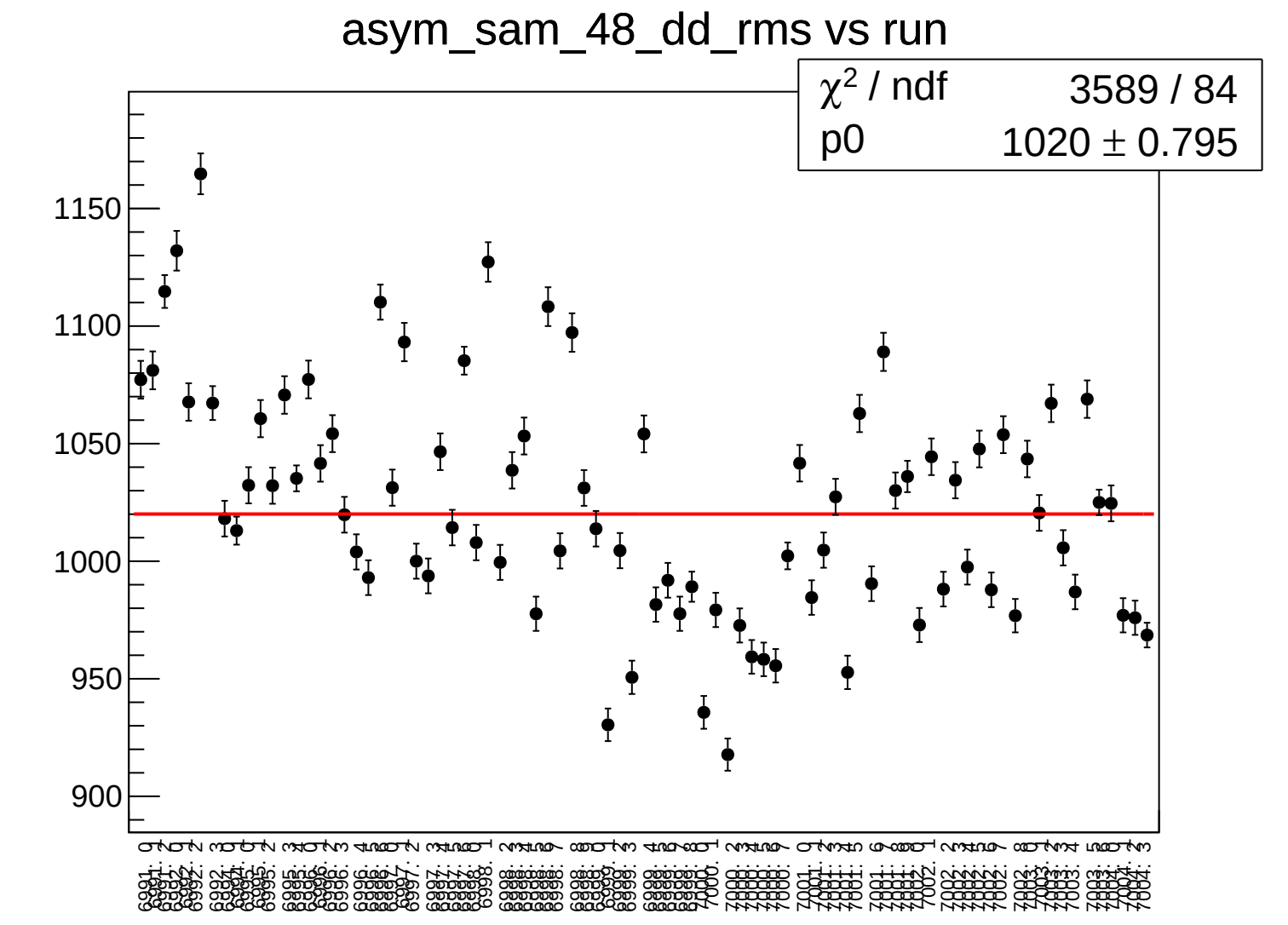

asym_sam_48_dd_correction_mean vs run
χ² / ndf 76.02 / 84
p0 −848.9 ± 1143
pull
Entries 85
Mean 441.7
Std Dev 407.1

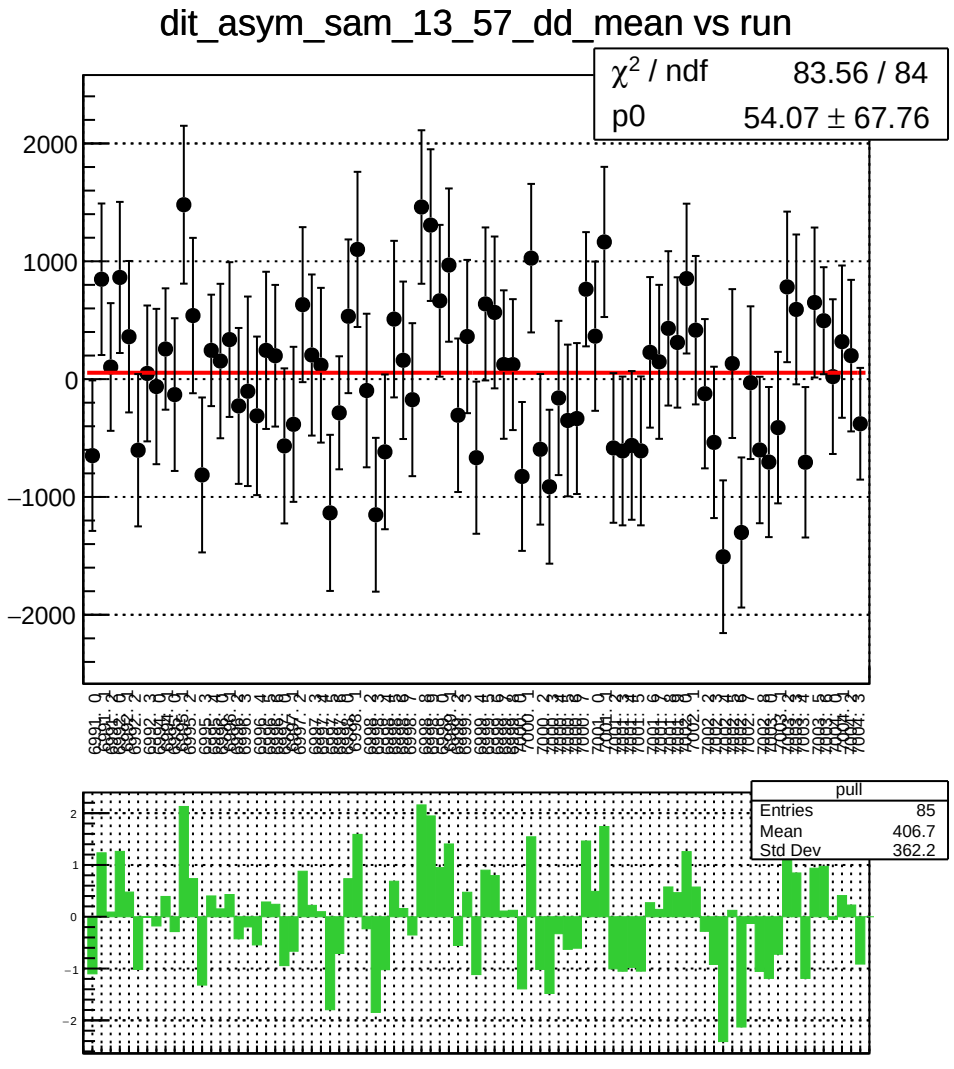

pull1D
Entries 85
Mean 0.002633
Std Dev 0.9457

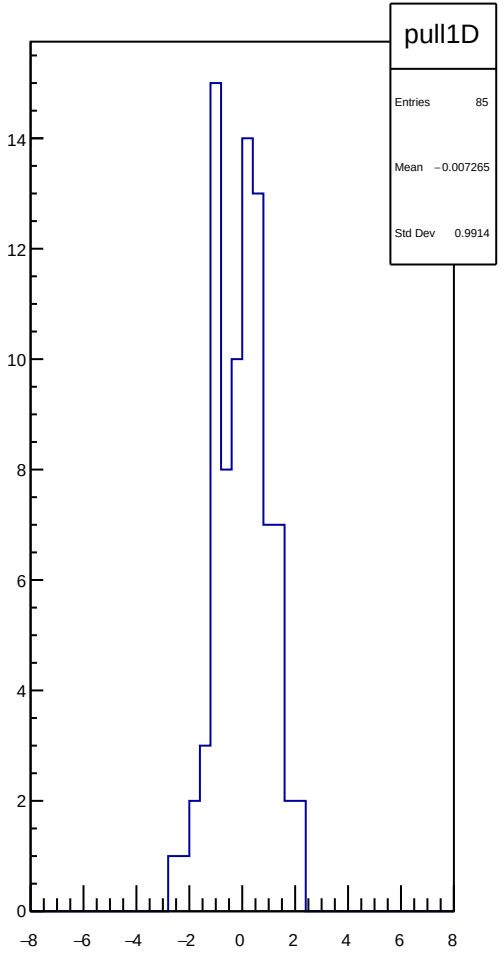

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2807 / 84
p0 1037 ± 0.8081
1150
1100
1050
1000
950

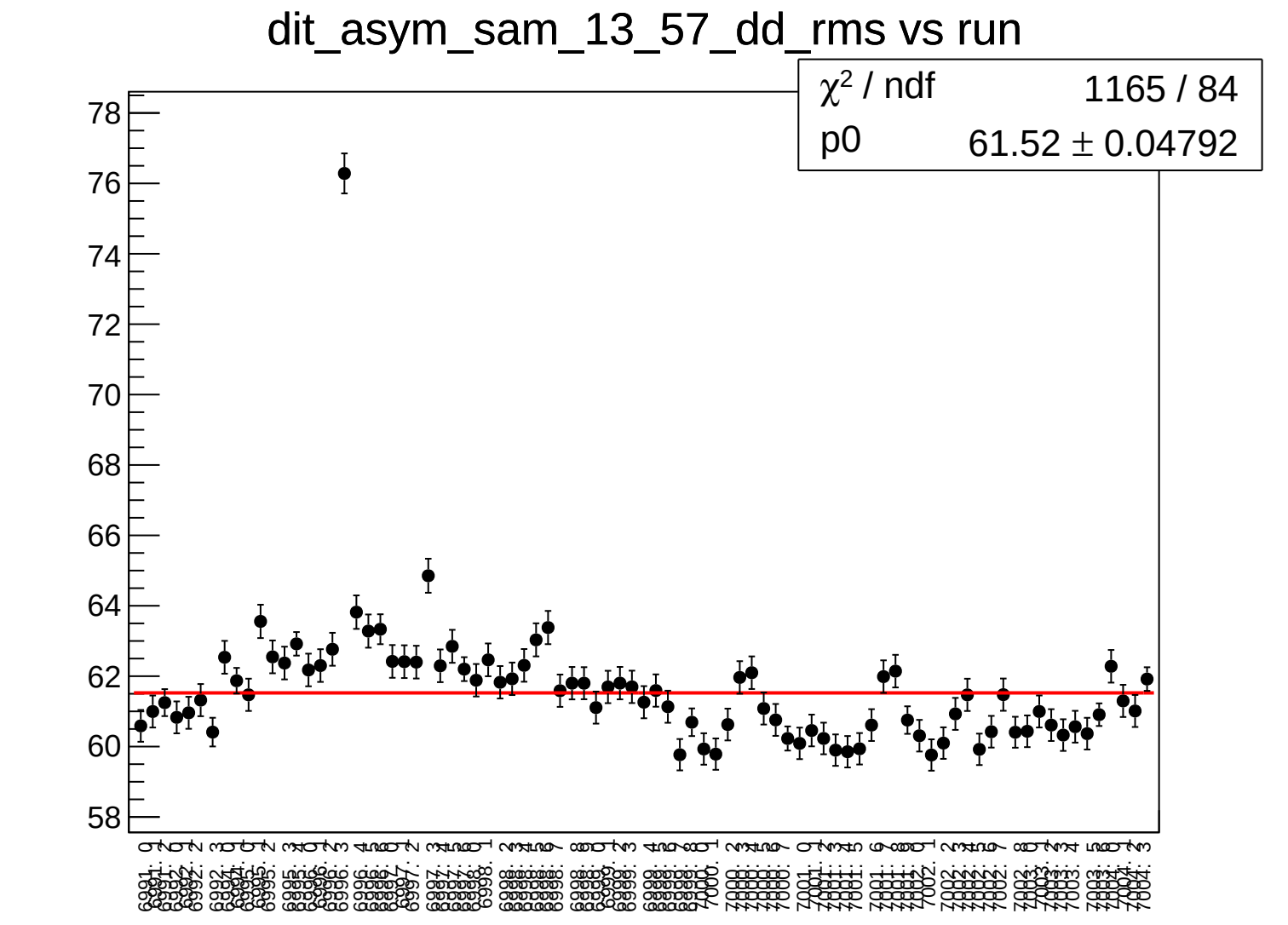

asym_sam_48_dd_mean vs run
χ² / ndf 75.39 / 84
p0 807.9 ± 1124
pull
Entries 85
Mean 139.9
Std Dev 104.7

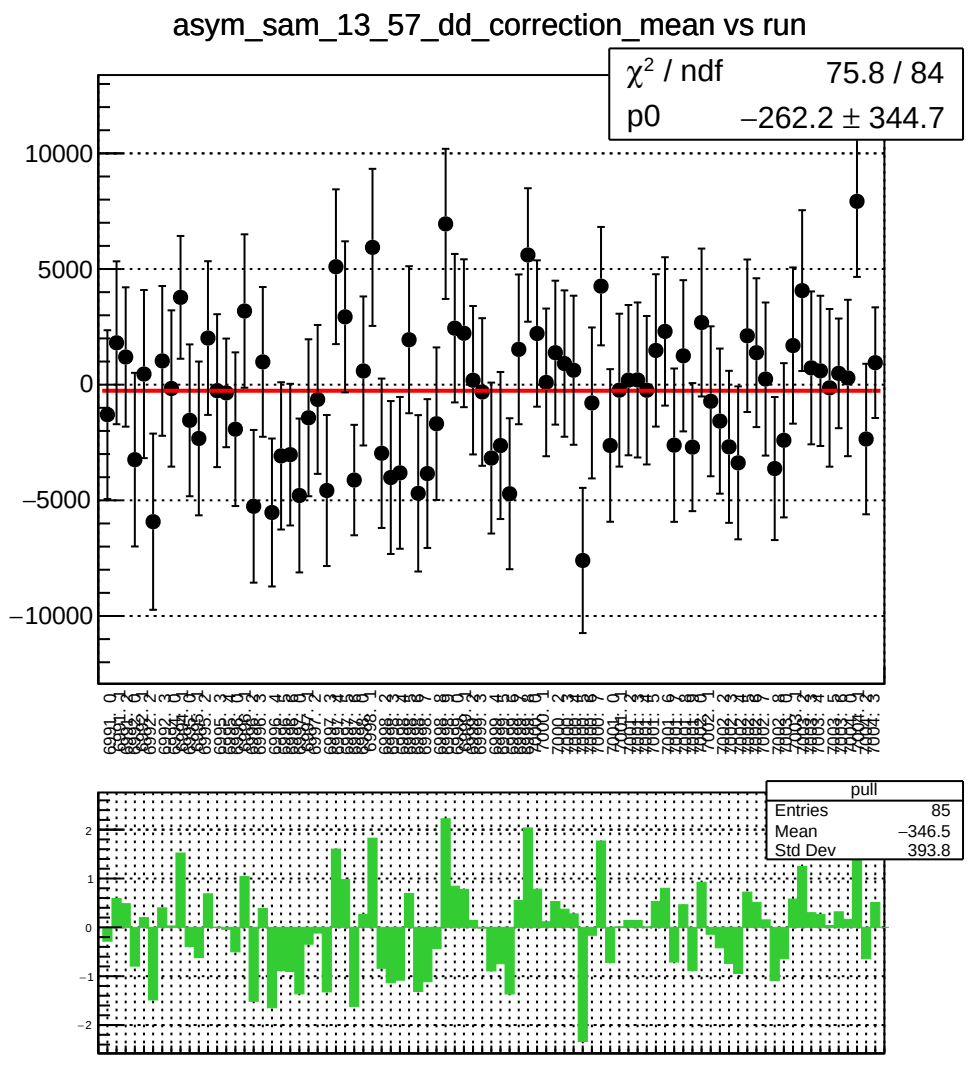

pull1D
Entries 85
Mean −0.004578
Std Dev 0.9418

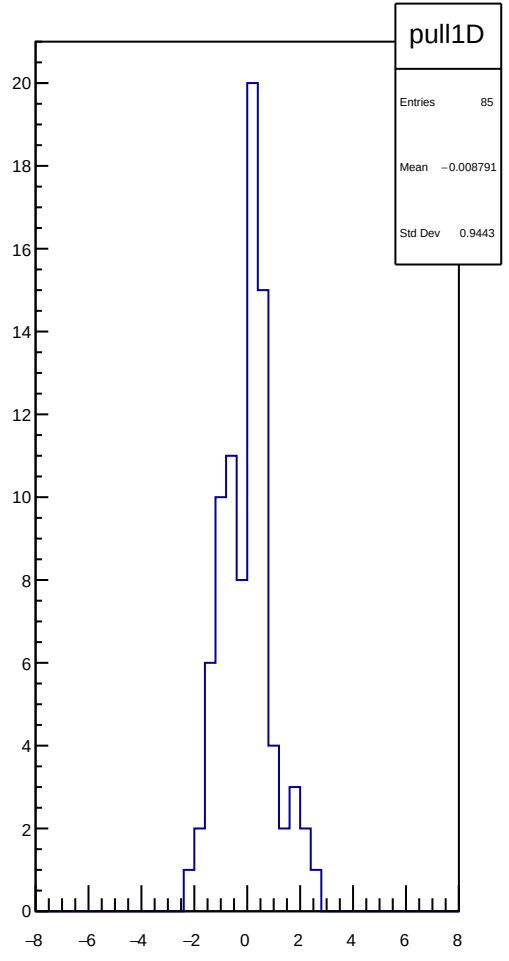

asym_sam_48_dd_rms vs run
χ² / ndf 3589 / 84
p0 1020 ± 0.795
1150
1100
1050
1000
950
900

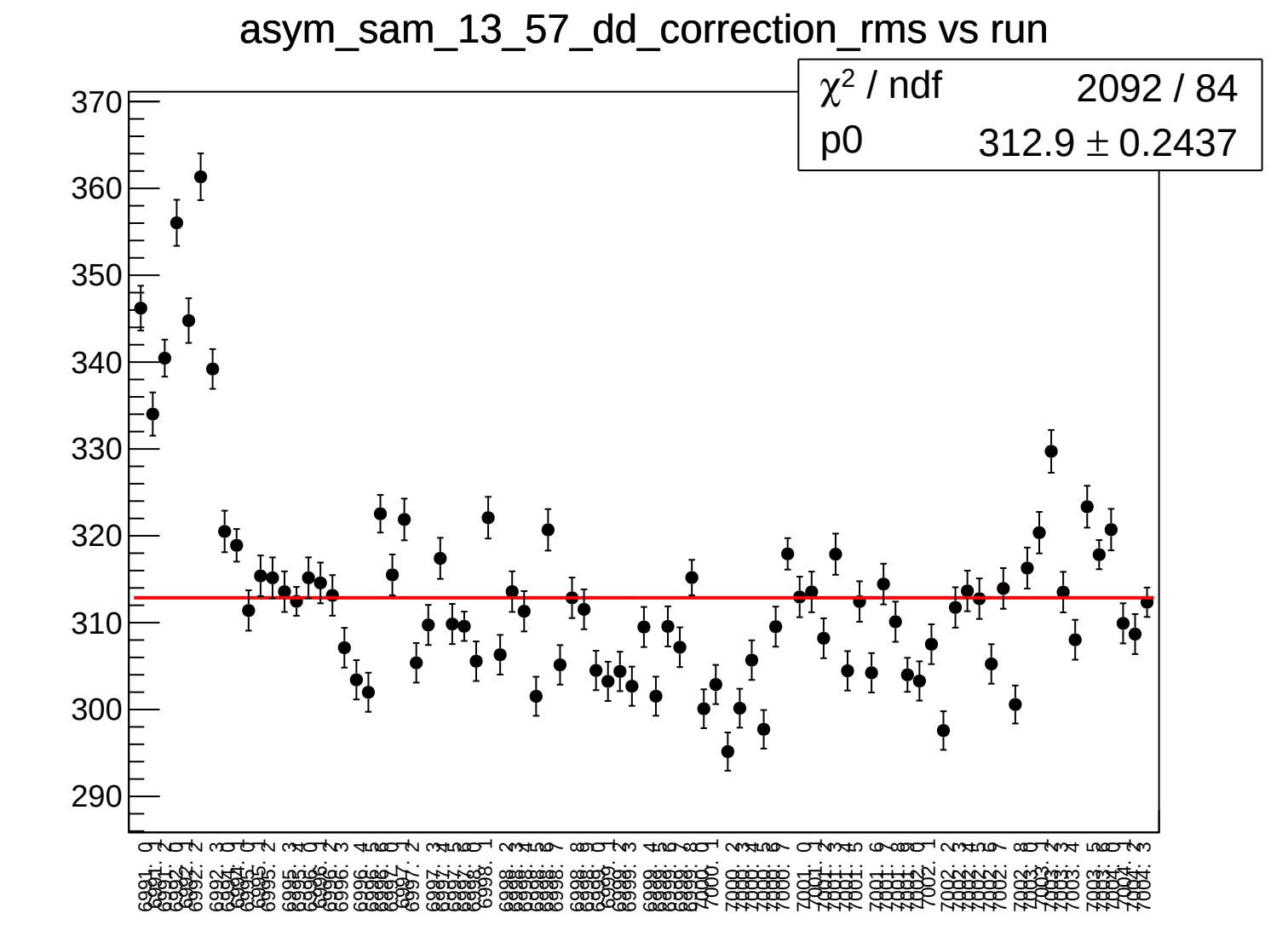

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 83.56 / 84
p0 54.07 ± 67.76
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 406.7
Std Dev 362.2
2
1
0
−1
−2

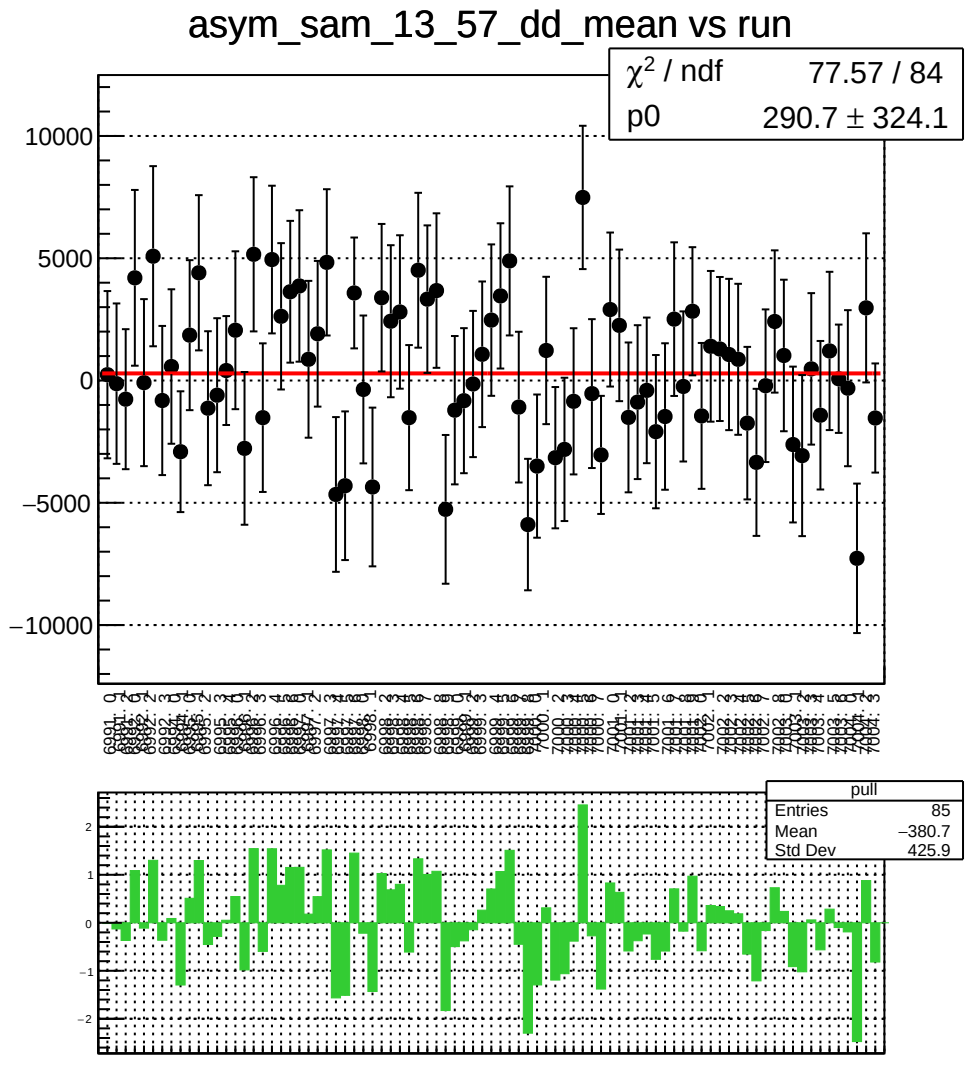

pull1D
Entries 85
Mean −0.007265
Std Dev 0.9914
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

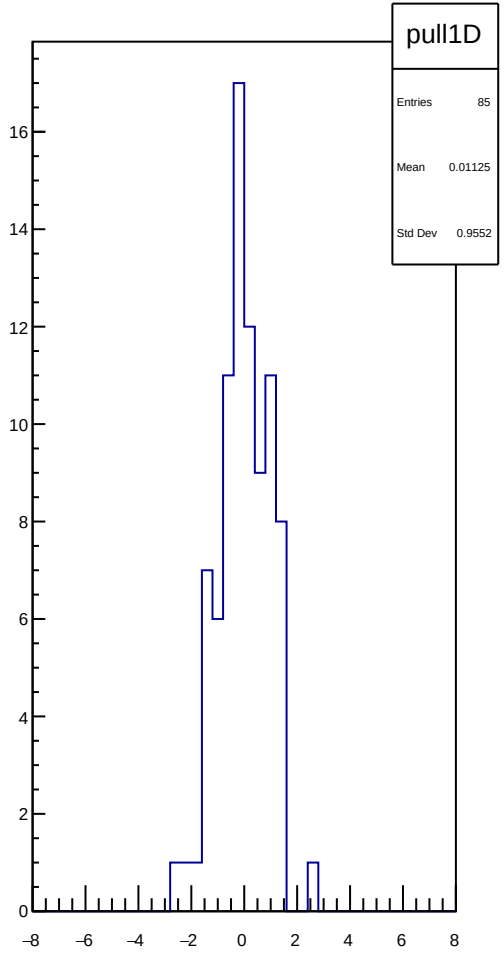

dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 1165 / 84
p0 61.52 ± 0.04792
78
76
74
72
70
68
66
64
62
60
58

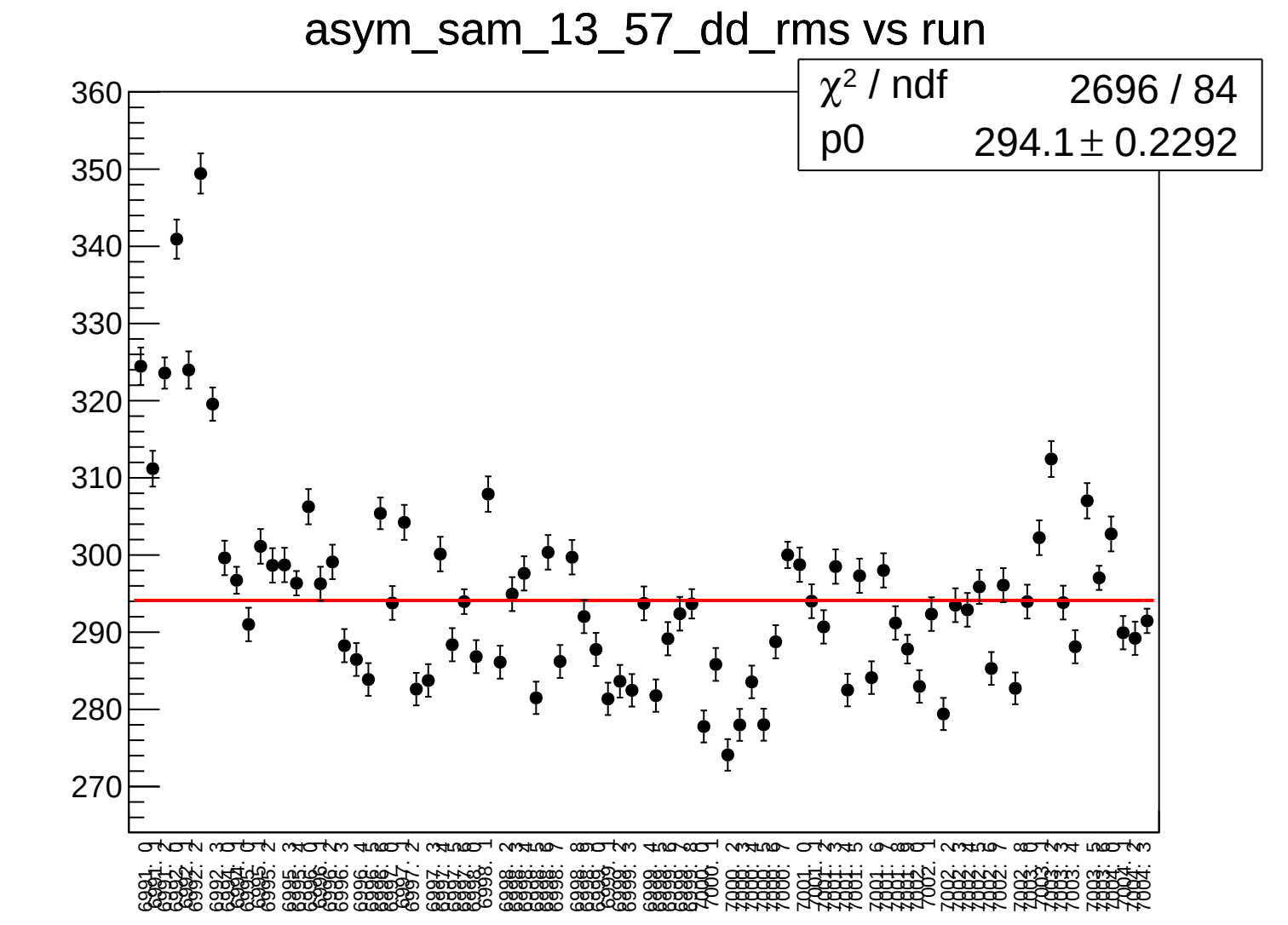

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 75.8 / 84
p0 −262.2 ± 344.7
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −346.5
Std Dev 393.8
2
1
0
−1
−2

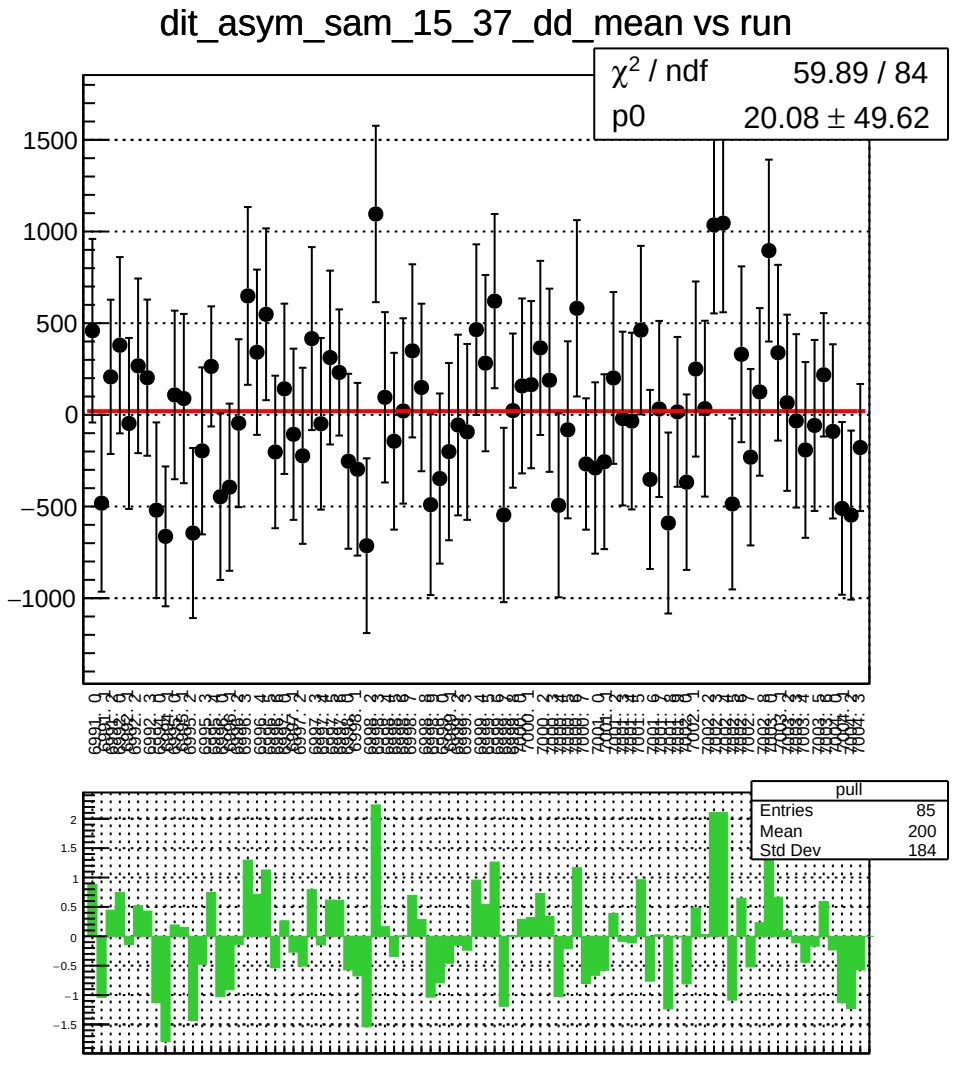

pull1D
Entries 85
Mean −0.008791
Std Dev 0.9443
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

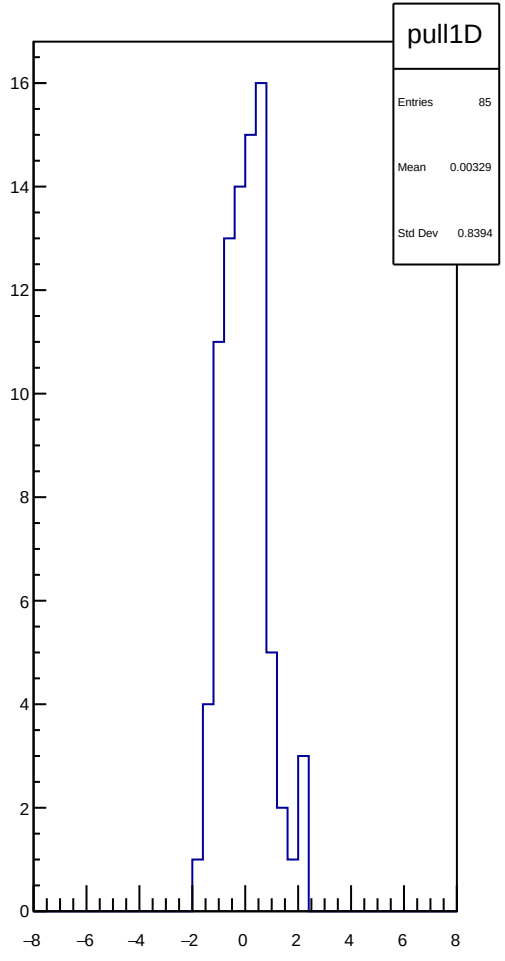

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2092 / 84
p0 312.9 ± 0.2437
370
360
350
340
330
320
310
300
290

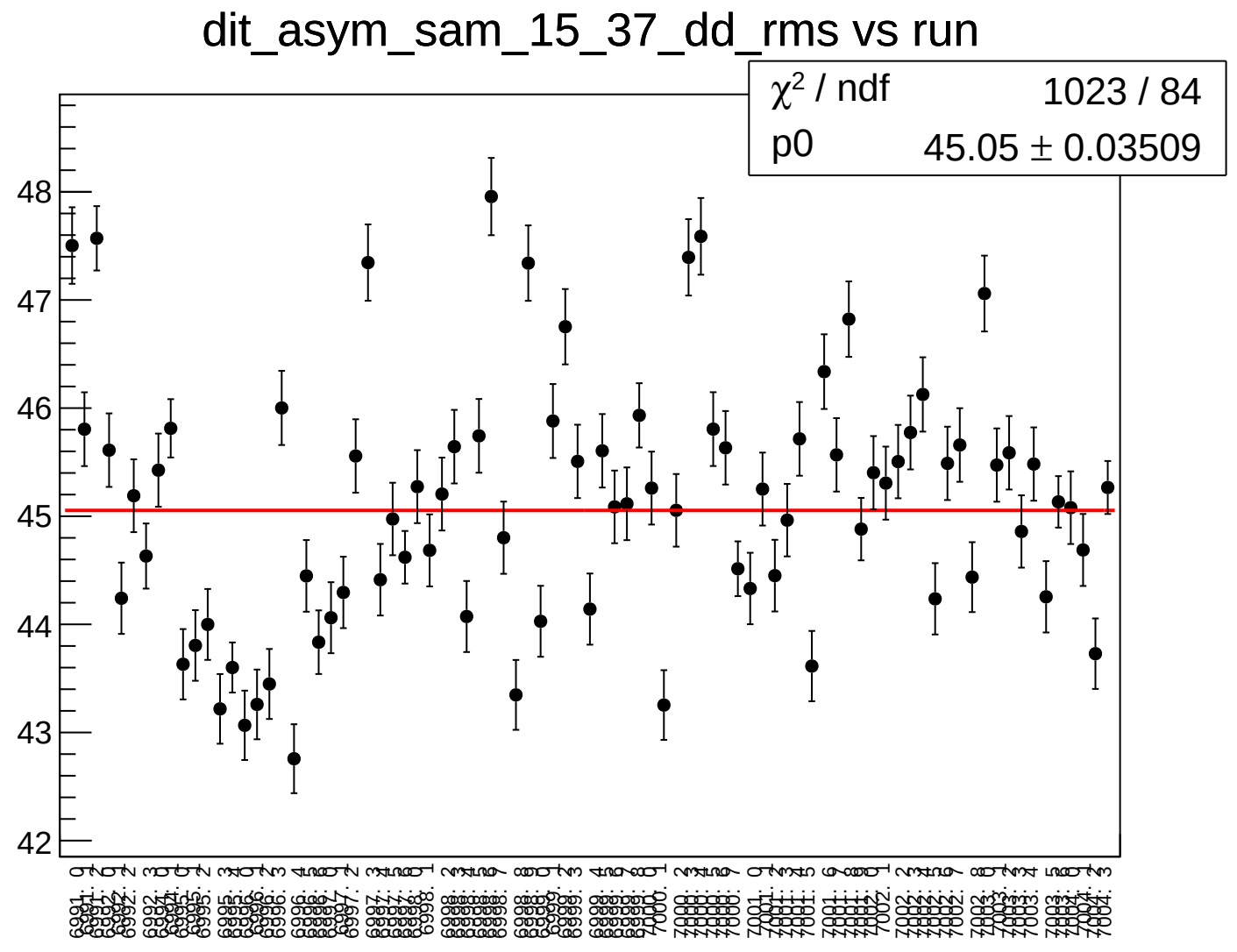

asym_sam_13_57_dd_mean vs run
χ^2 / ndf 77.57 / 84
p0 290.7 ± 324.1
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −380.7
Std Dev 425.9
2
1
0
−1
−2

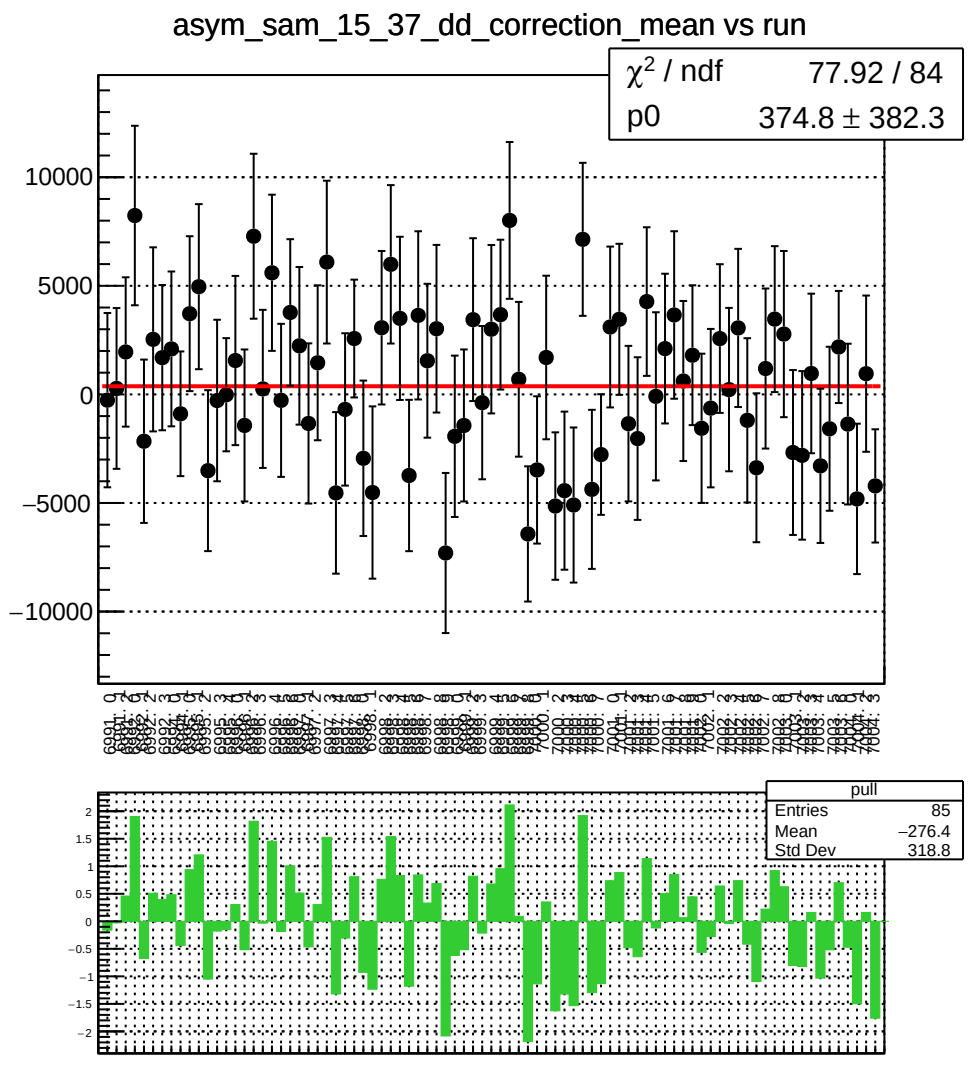

pull1D
Entries 85
Mean 0.01125
Std Dev 0.9552
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

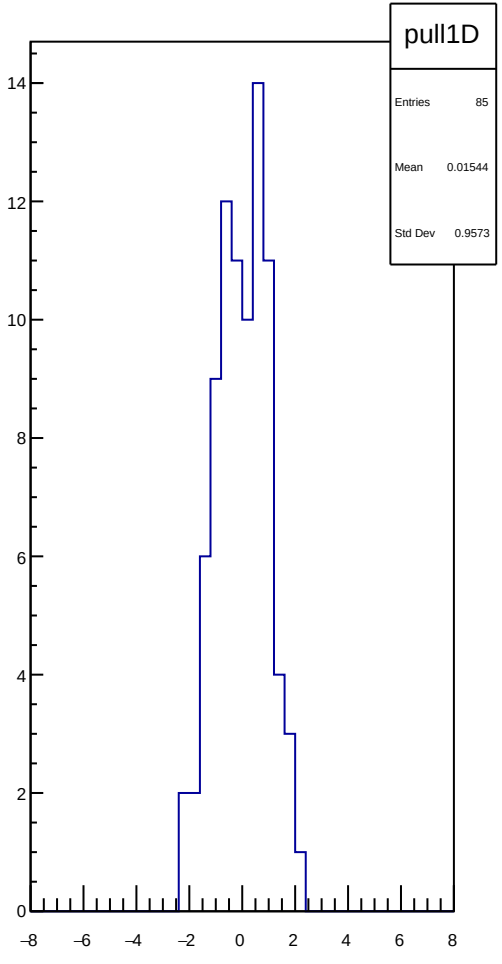

asym_sam_13_57_dd_rms vs run
χ² / ndf 2696 / 84
p0 294.1 ± 0.2292
360
350
340
330
320
310
300
290
280
270

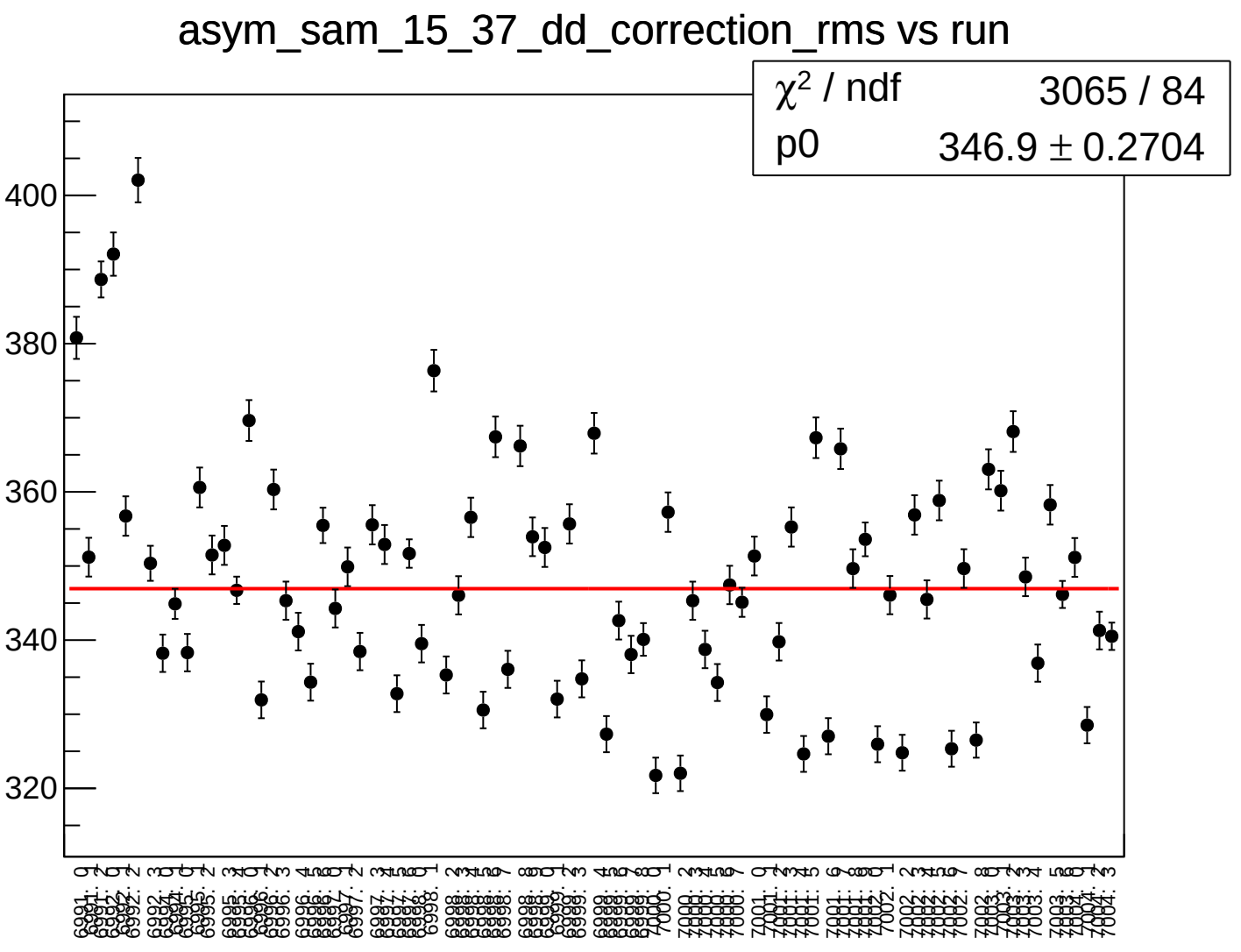

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 59.89 / 84
p0 20.08 ± 49.62
1500
1000
500
0
−500
−1000
pull
Entries 85
Mean 200
Std Dev 184
2
1.5
1
0.5
0
−0.5
−1
−1.5

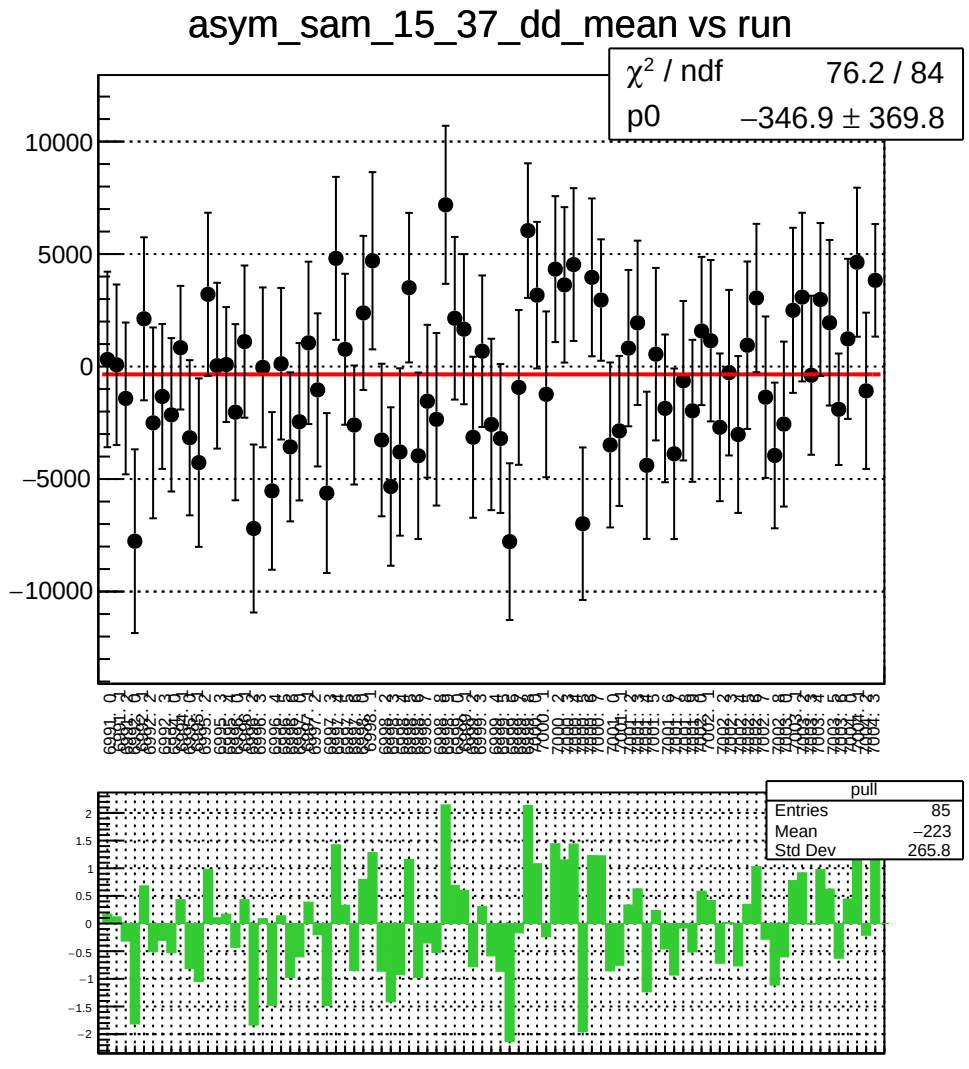

pull1D
Entries 85
Mean 0.00329
Std Dev 0.8394
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

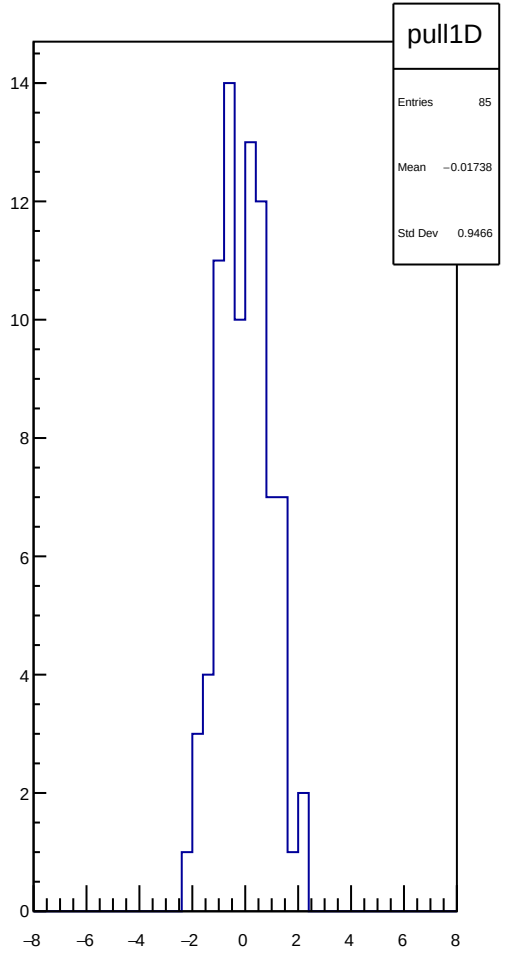

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1023 / 84
p0 45.05 ± 0.03509
48
47
46
45
44
43
42

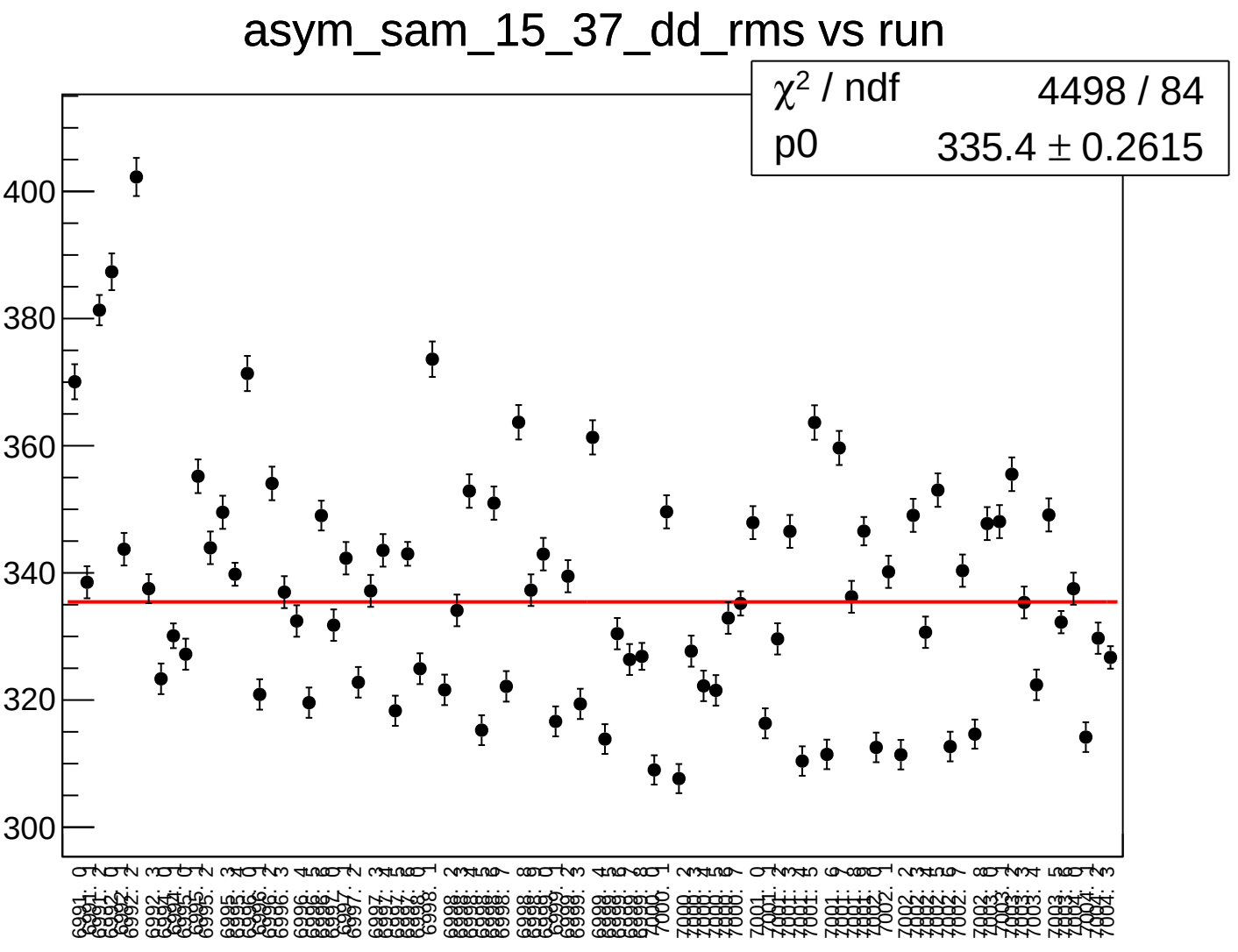

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 77.92 / 84
p0 374.8 ± 382.3
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −276.4
Std Dev 318.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

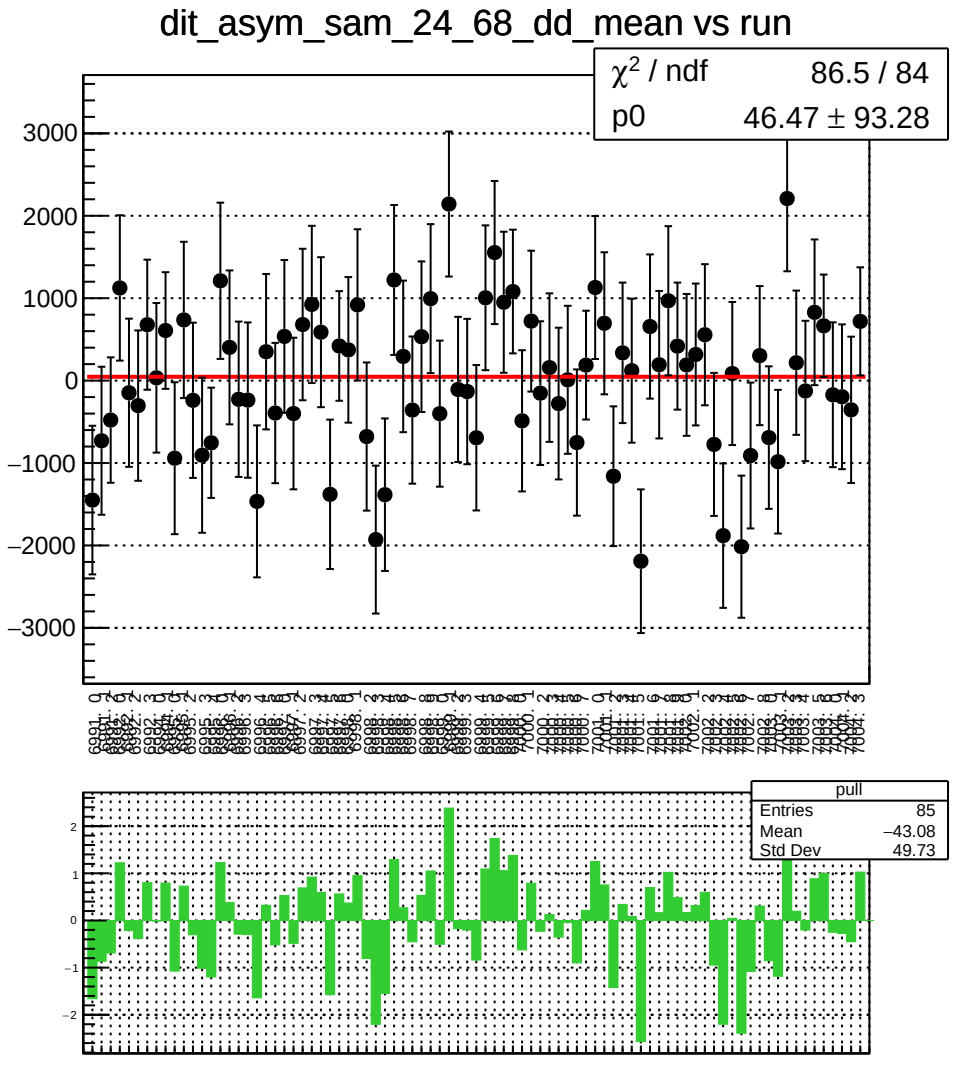

pull1D
Entries 85
Mean 0.01544
Std Dev 0.9573
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

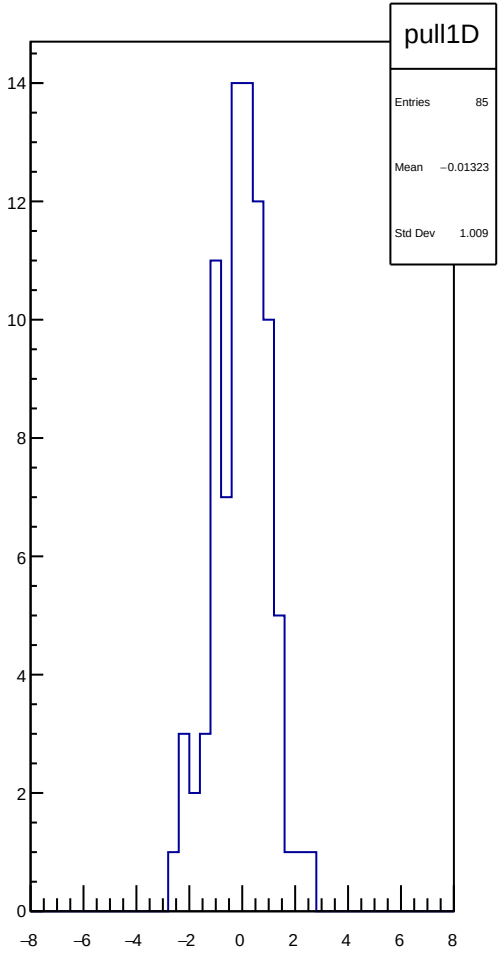

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3065 / 84
p0 346.9 ± 0.2704
400
380
360
340
320

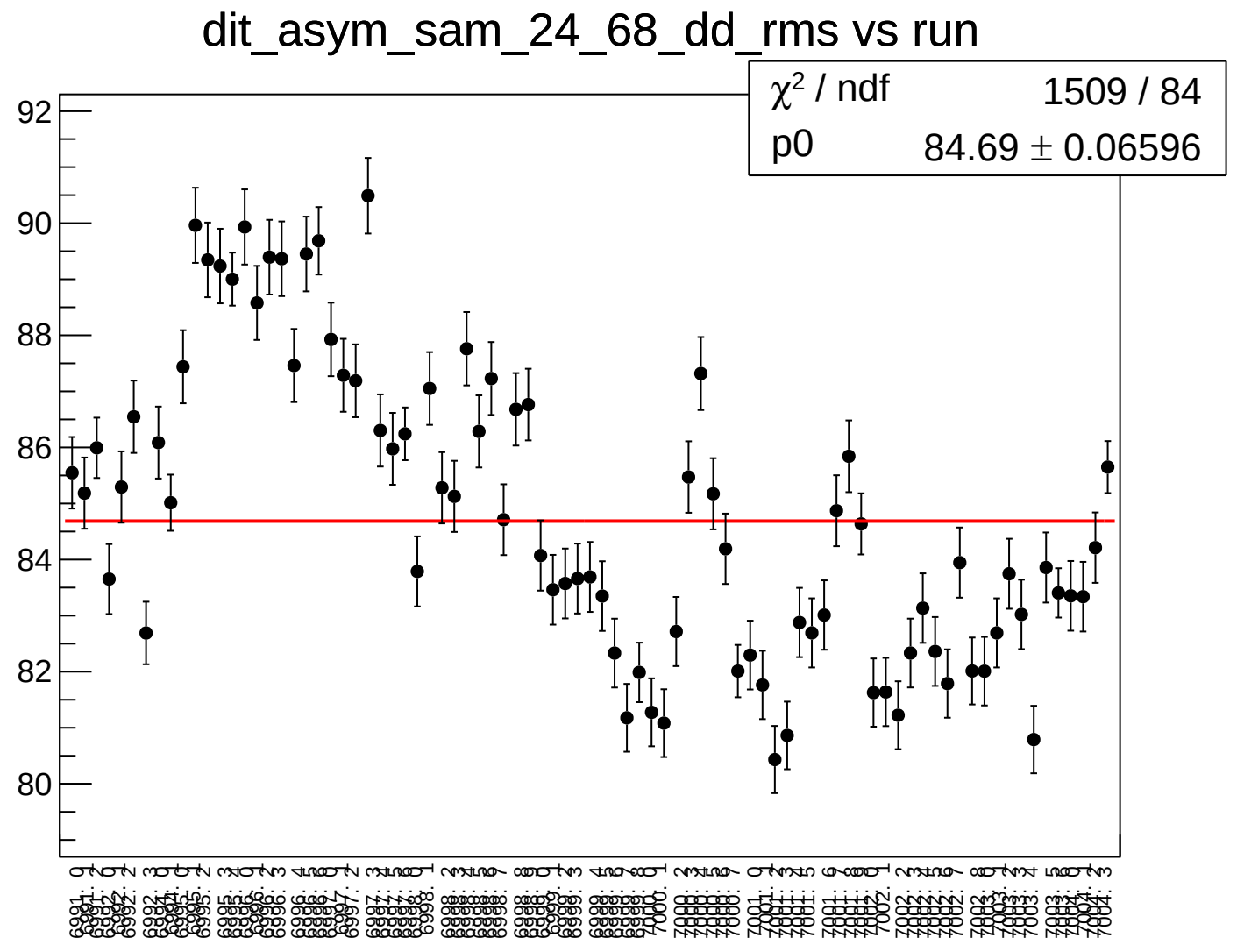

asym_sam_15_37_dd_mean vs run
χ² / ndf 76.2 / 84
p0 −346.9 ± 369.8
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −223
Std Dev 265.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

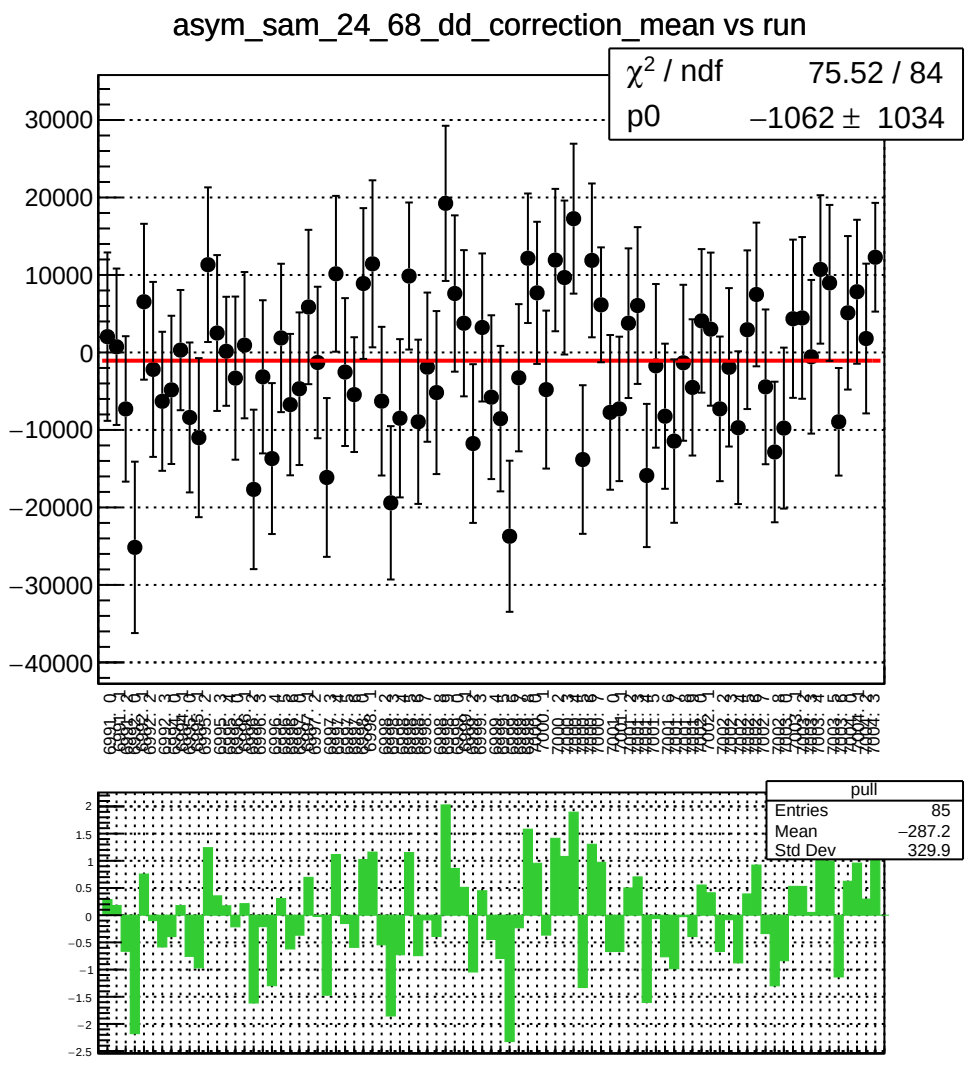

pull1D
Entries 85
Mean −0.01738
Std Dev 0.9466
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

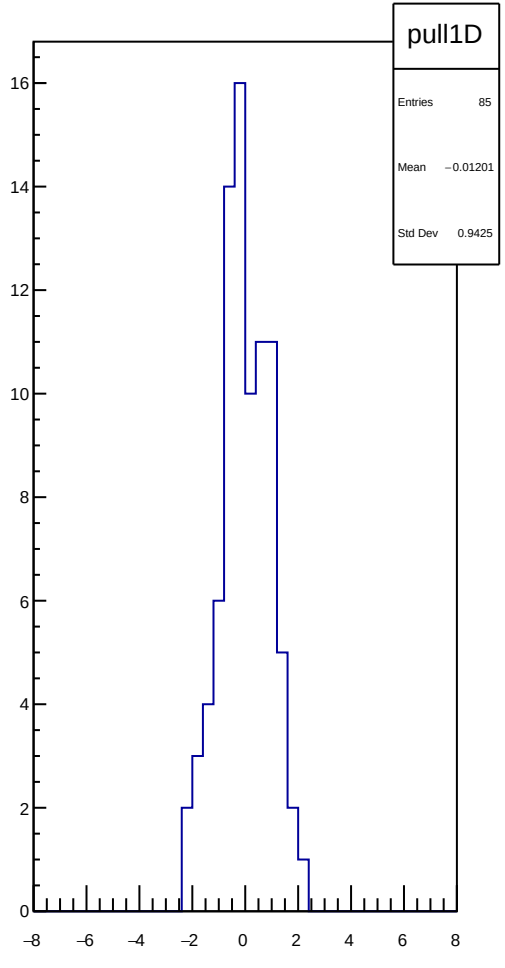

asym_sam_15_37_dd_rms vs run
χ² / ndf 4498 / 84
p0 335.4 ± 0.2615
400
380
360
340
320
300

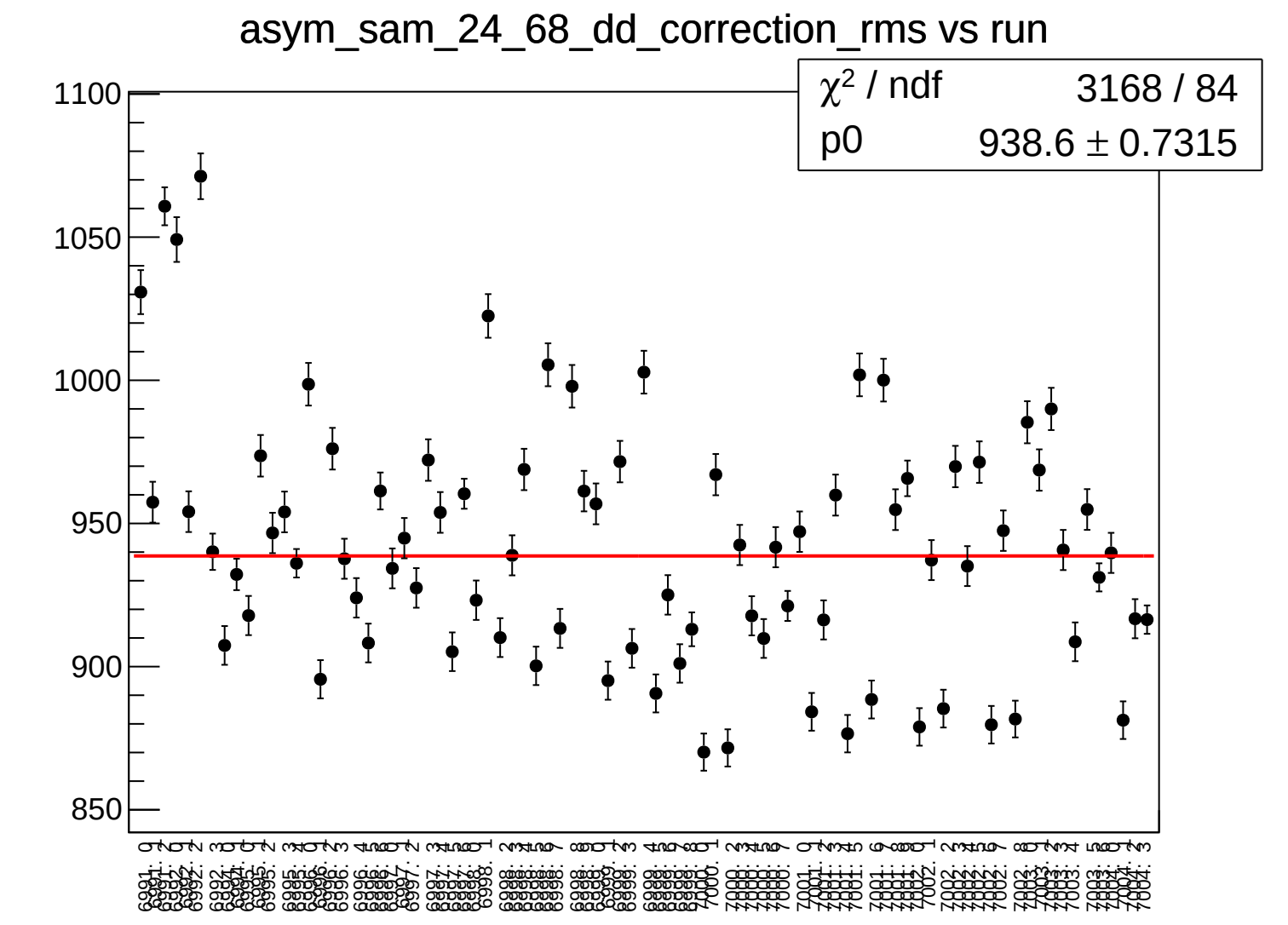

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 86.5 / 84
p0 46.47 ± 93.28
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean −43.08
Std Dev 49.73
2
1
0
−1
−2

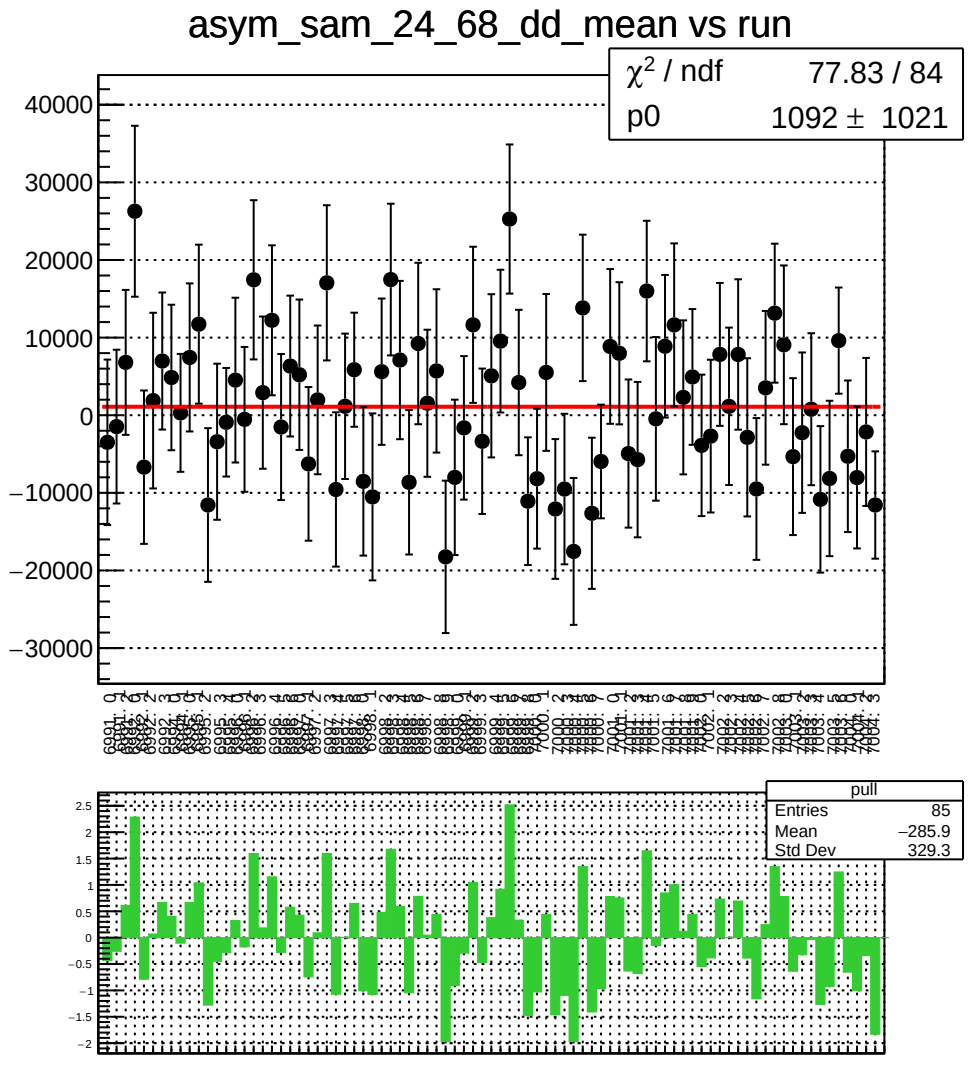

pull1D
Entries 85
Mean −0.01323
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

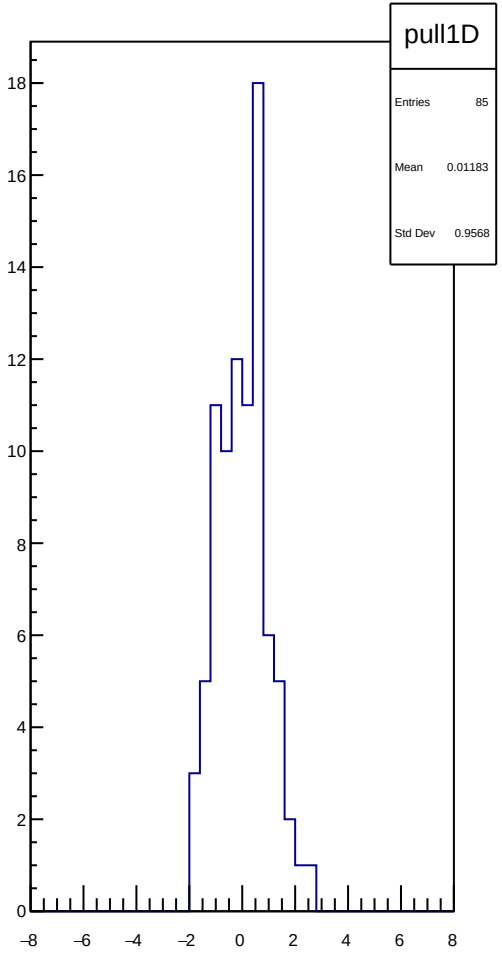

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1509 / 84
p0 84.69 ± 0.06596
92
90
88
86
84
82
80

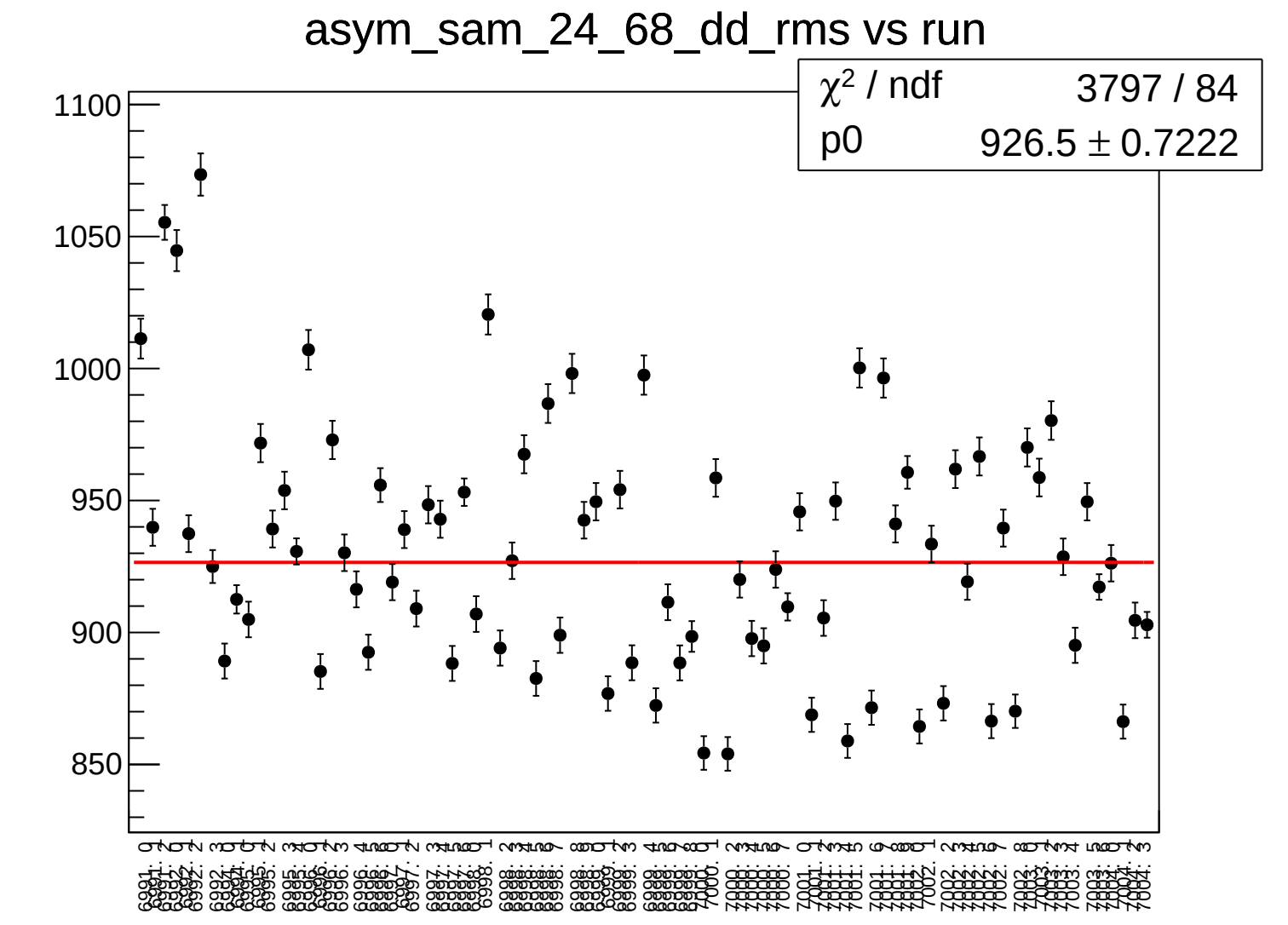

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 75.52 / 84
p0 −1062 ± 1034
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean −287.2
Std Dev 329.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

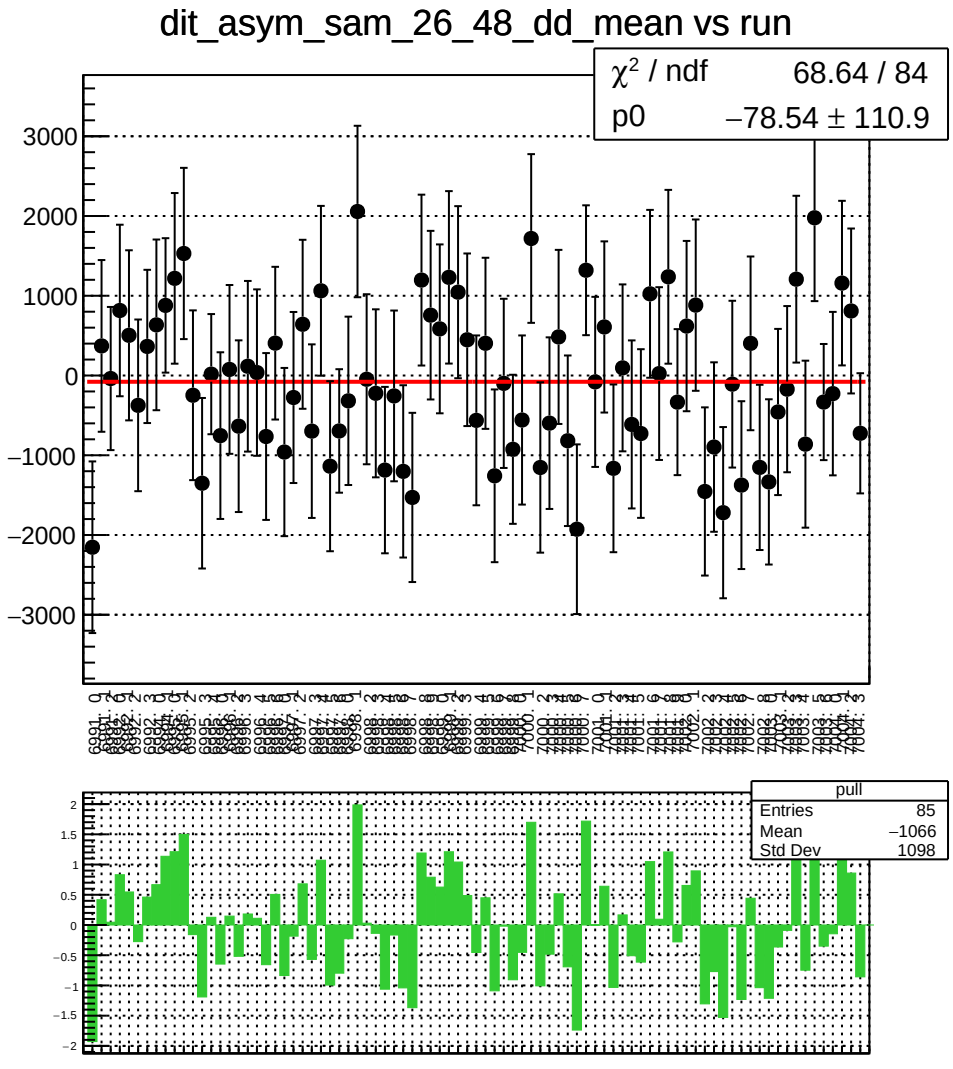

pull1D
Entries 85
Mean −0.01201
Std Dev 0.9425
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

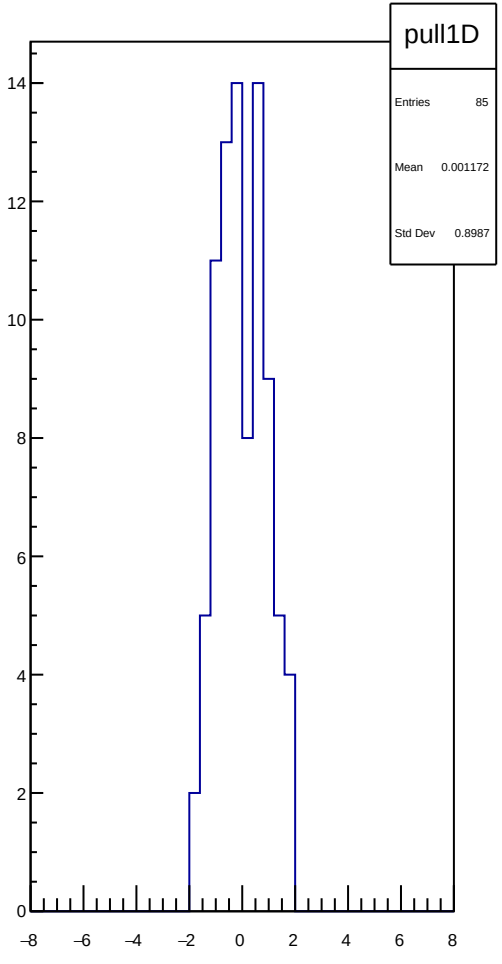

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3168 / 84
p0 938.6 ± 0.7315
1100
1050
1000
950
900
850

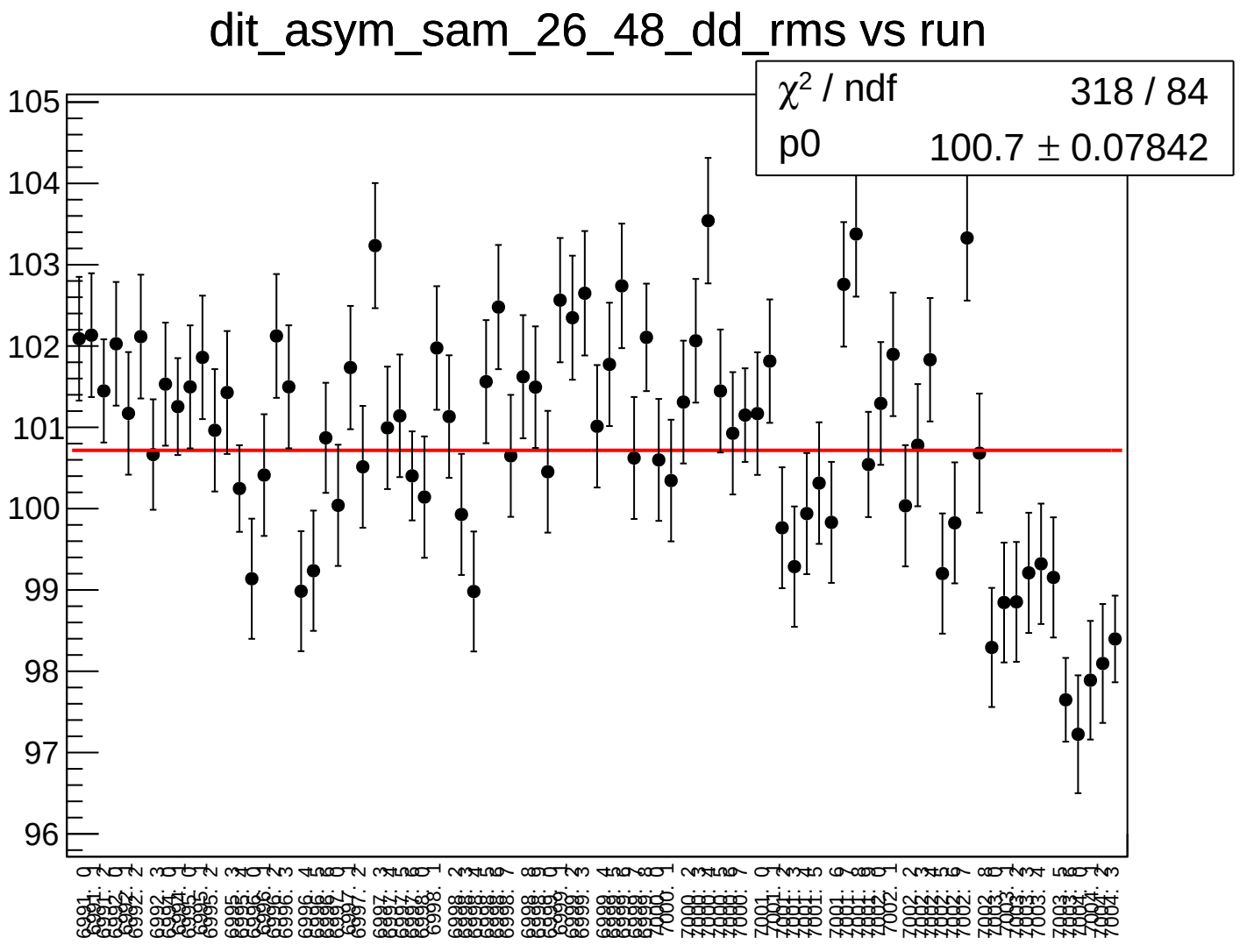

asym_sam_24_68_dd_mean vs run
χ² / ndf 77.83 / 84
p0 1092 ± 1021
pull
Entries 85
Mean −285.9
Std Dev 329.3

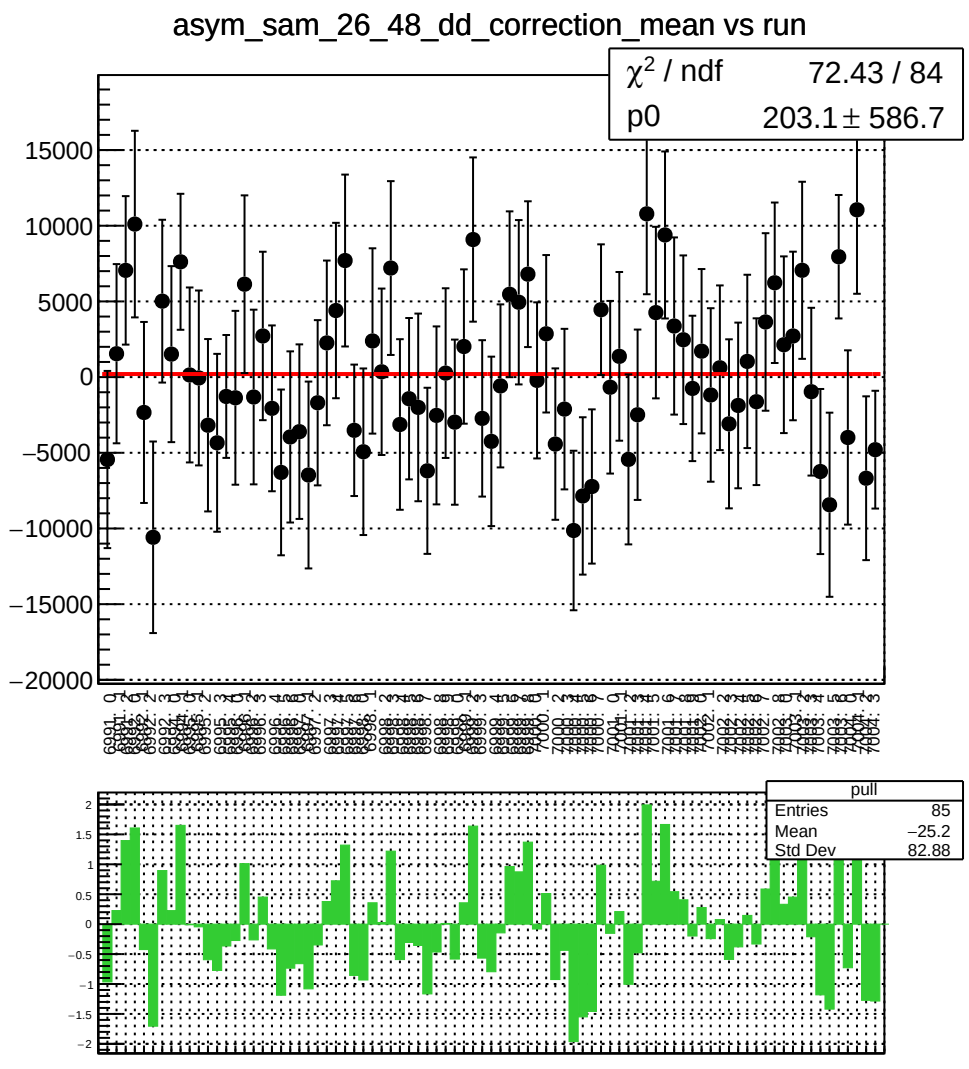

pull1D
Entries 85
Mean 0.01183
Std Dev 0.9568

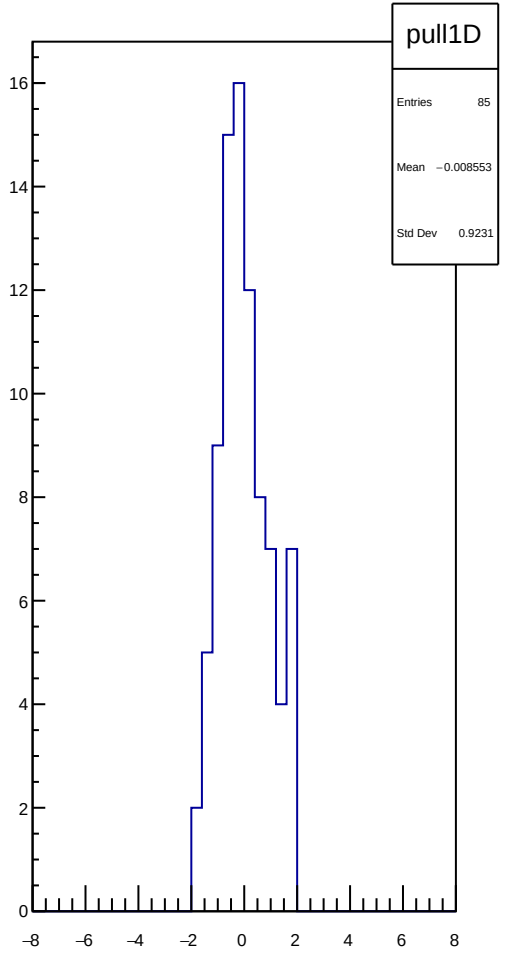

asym_sam_24_68_dd_rms vs run
χ² / ndf 3797 / 84
p0 926.5 ± 0.7222
1100
1050
1000
950
900
850

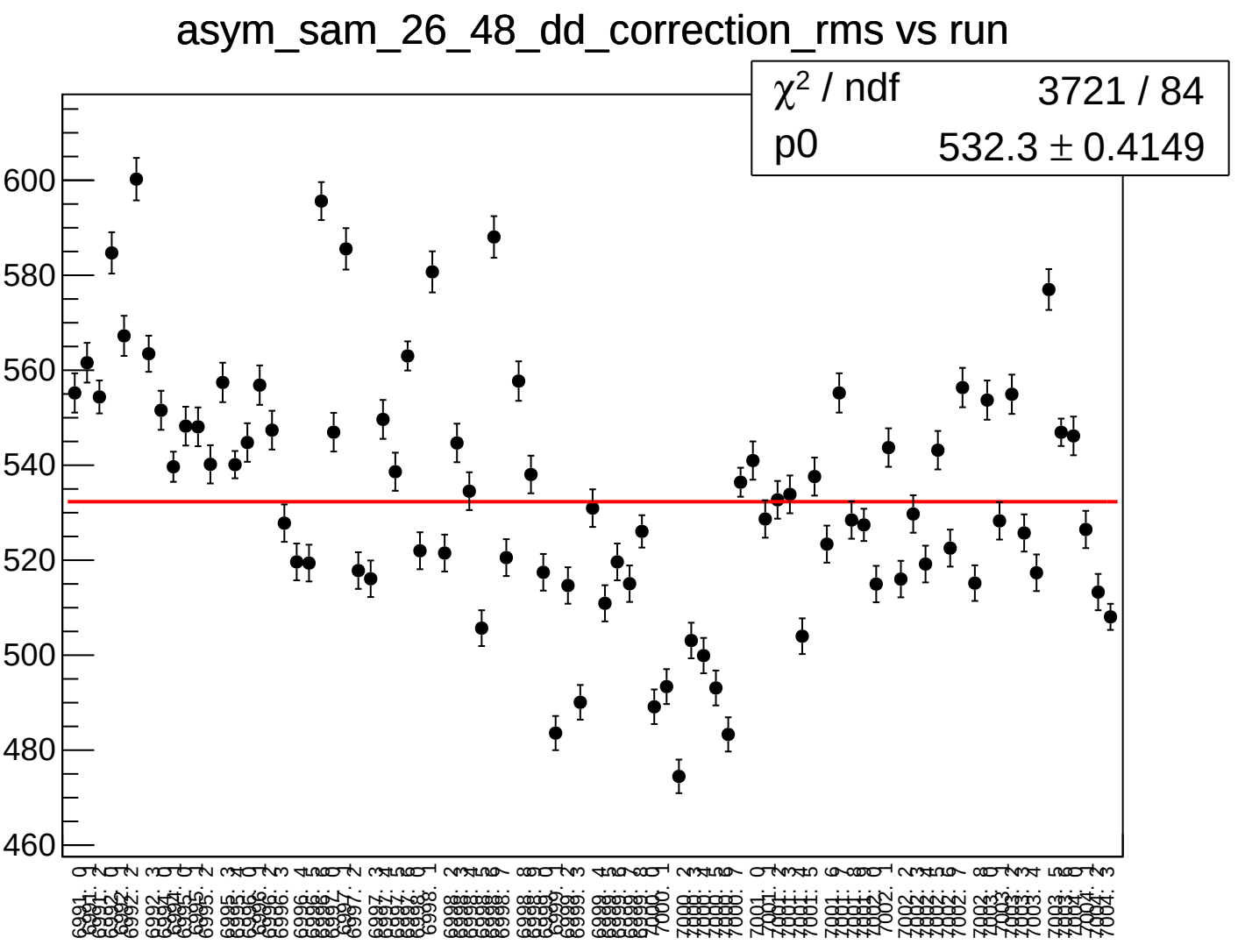

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 68.64 / 84
p0 −78.54 ± 110.9
pull
Entries 85
Mean −1066
Std Dev 1098

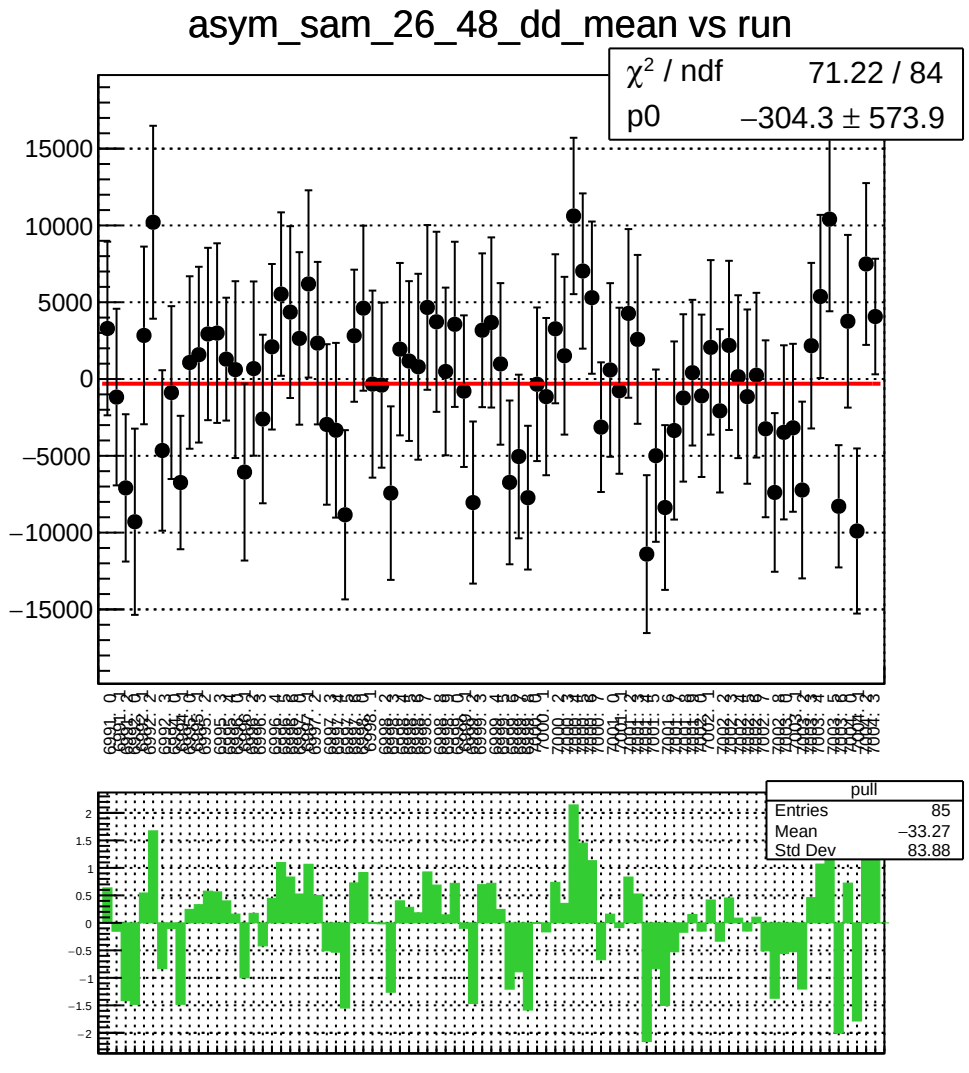

pull1D
Entries 85
Mean 0.001172
Std Dev 0.8987

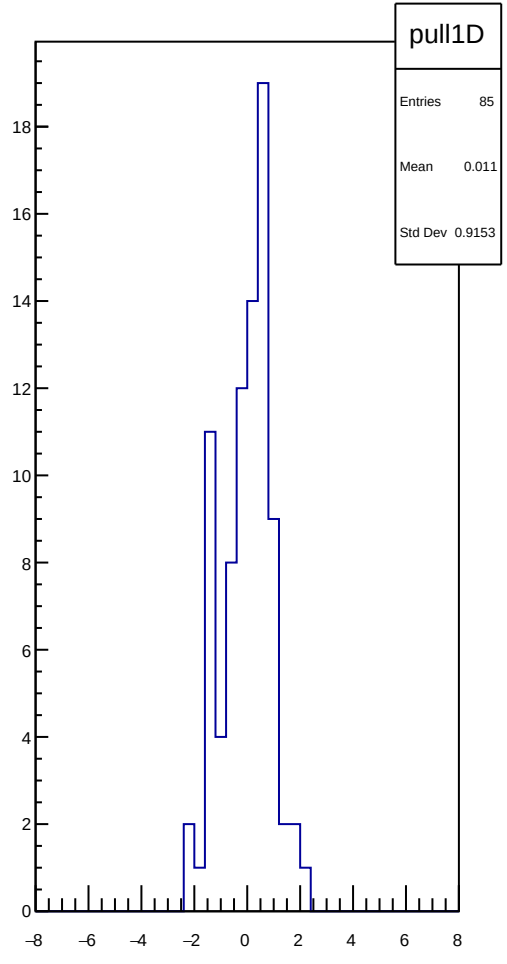

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 318 / 84
p0 100.7 ± 0.07842
105
104
103
102
101
100
99
98
97
96

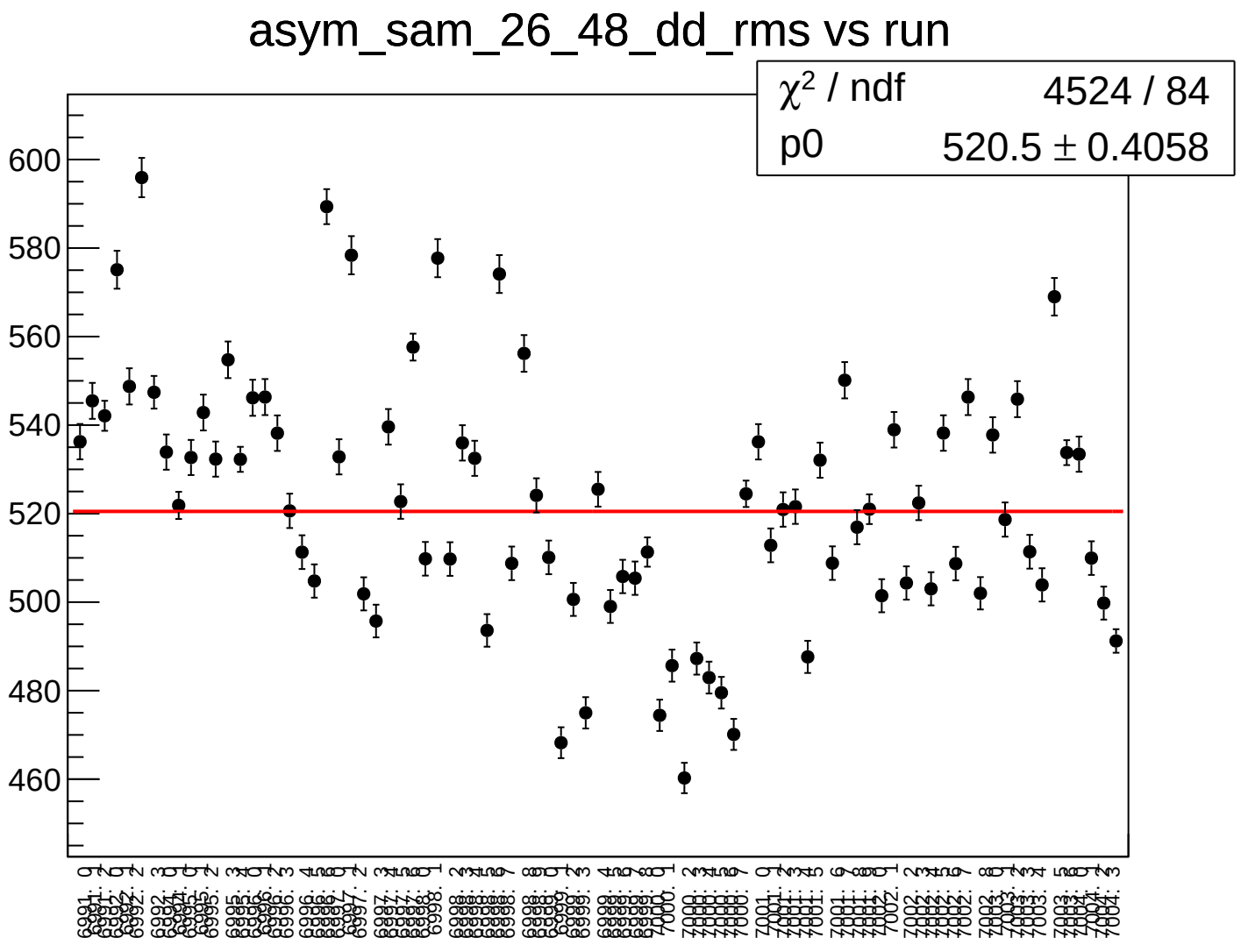

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 72.43 / 84
p0 203.1 ± 586.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 85
Mean −25.2
Std Dev 82.88
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

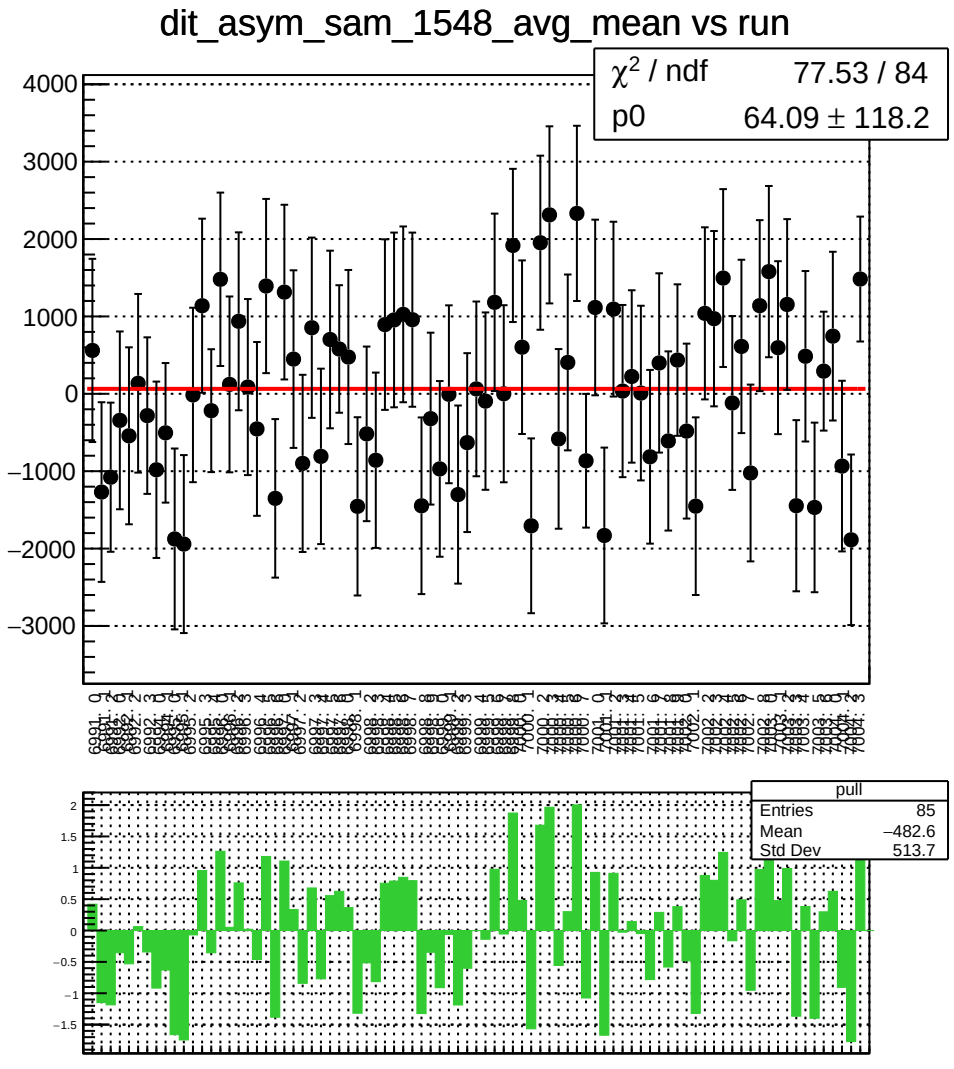

pull1D
Entries 85
Mean −0.008553
Std Dev 0.9231
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

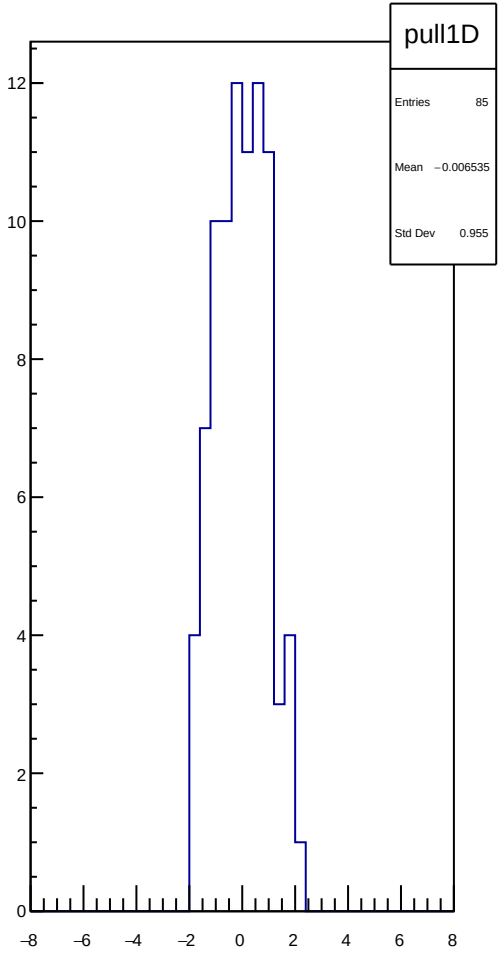

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3721 / 84
p0 532.3 ± 0.4149
600
580
560
540
520
500
480
460

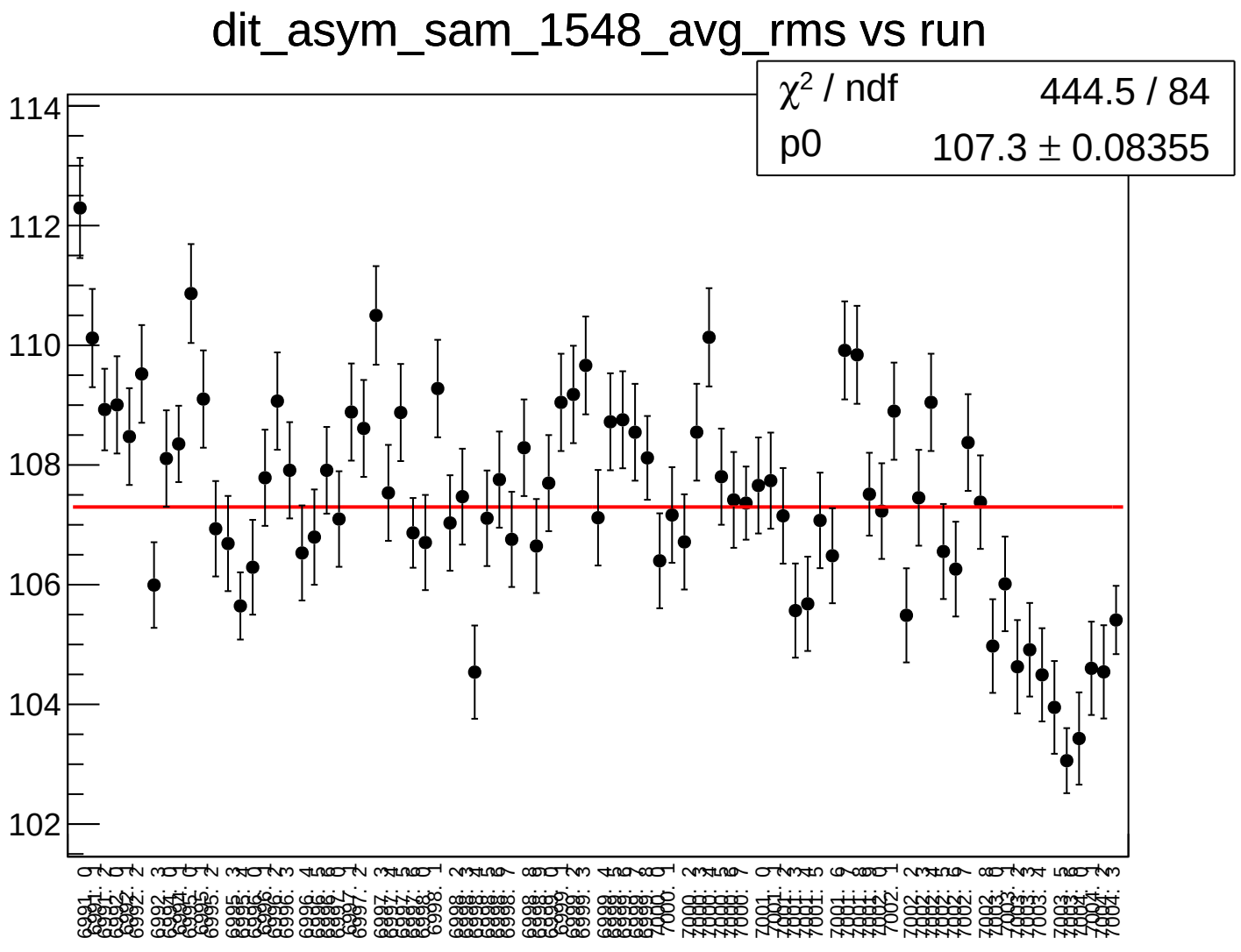

asym_sam_26_48_dd_mean vs run
χ² / ndf 71.22 / 84
p0 −304.3 ± 573.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −33.27
Std Dev 83.88
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

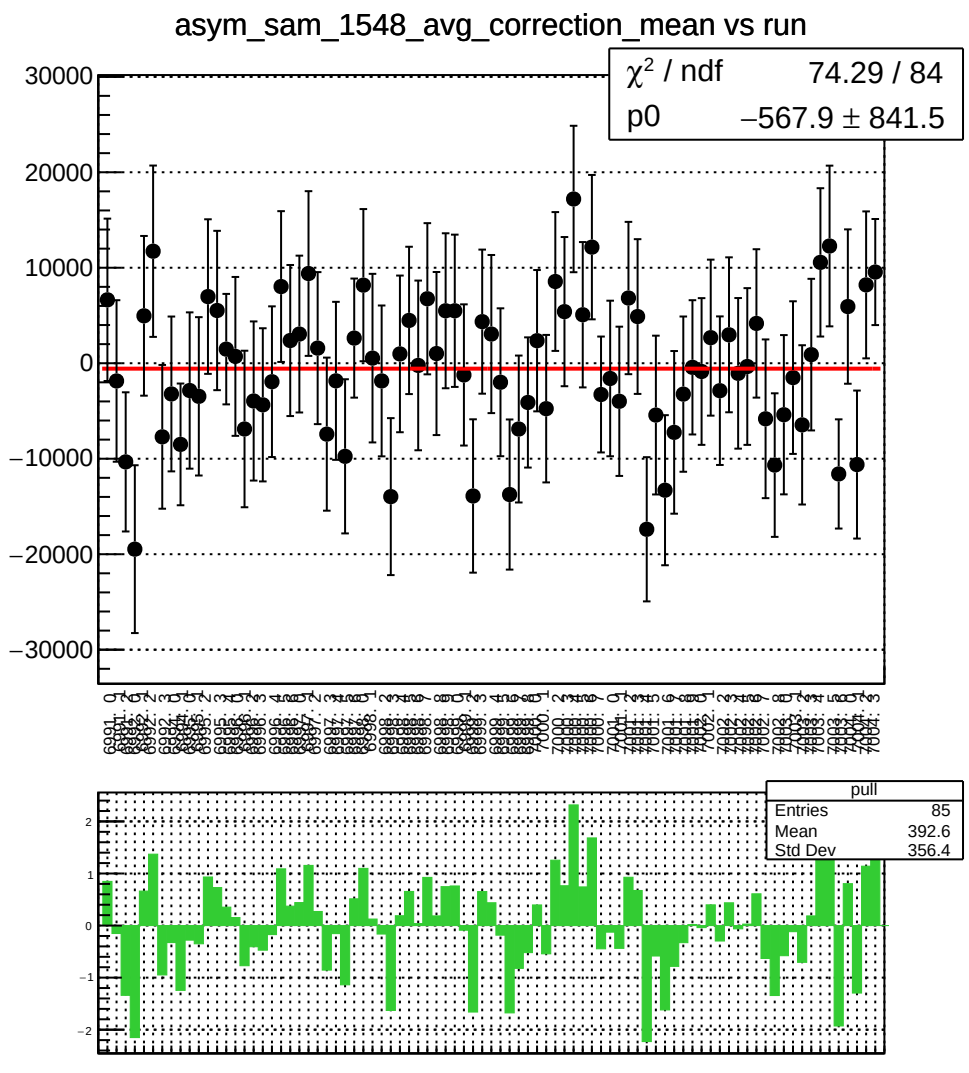

pull1D
Entries 85
Mean 0.011
Std Dev 0.9153
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

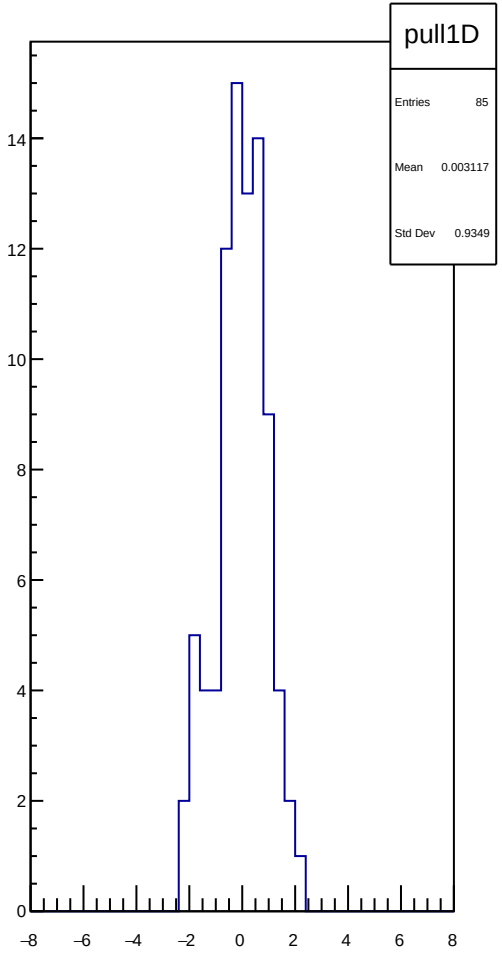

asym_sam_26_48_dd_rms vs run
χ² / ndf 4524 / 84
p0 520.5 ± 0.4058
600
580
560
540
520
500
480
460

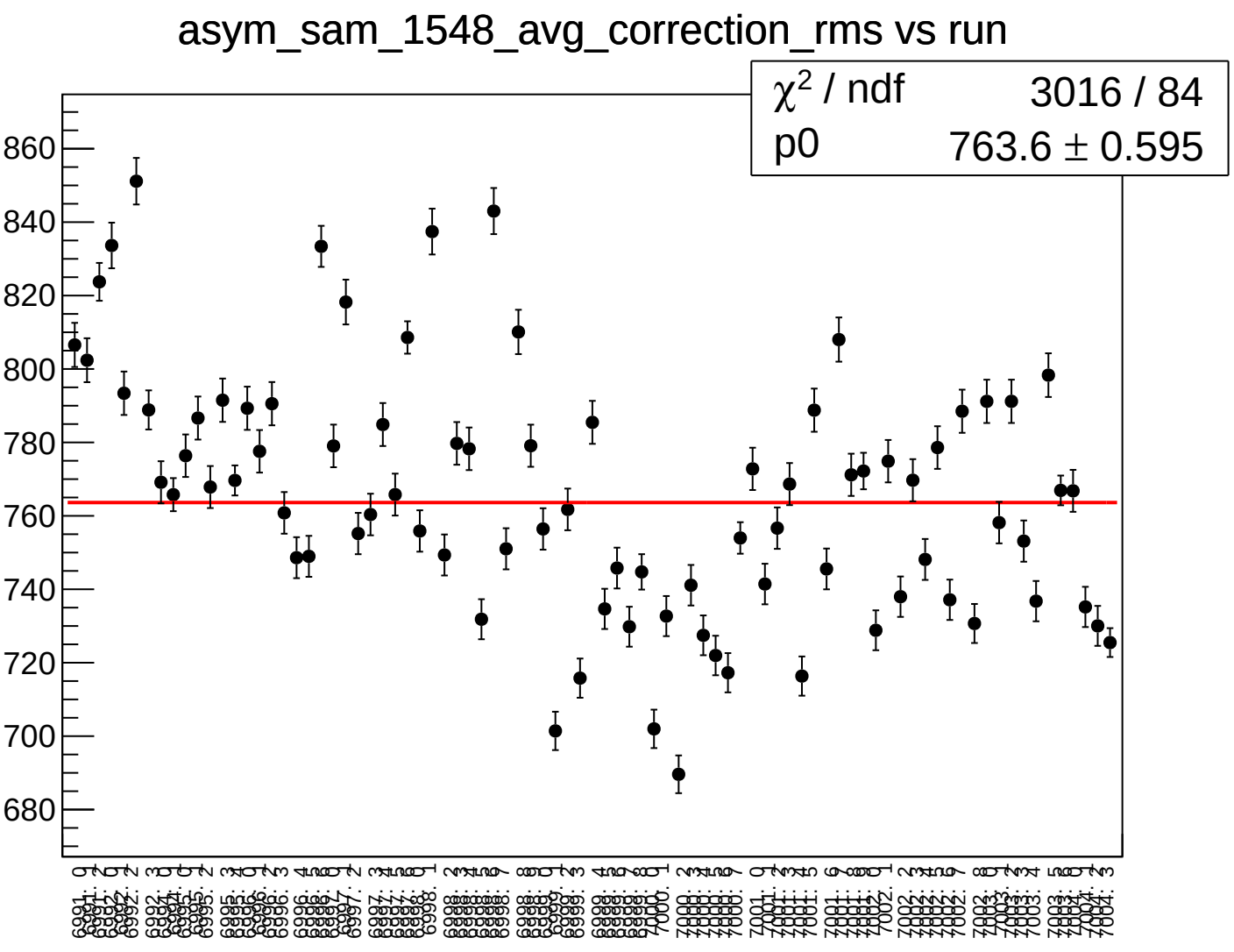

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 77.53 / 84
p0 64.09 ± 118.2
pull
Entries 85
Mean −482.6
Std Dev 513.7

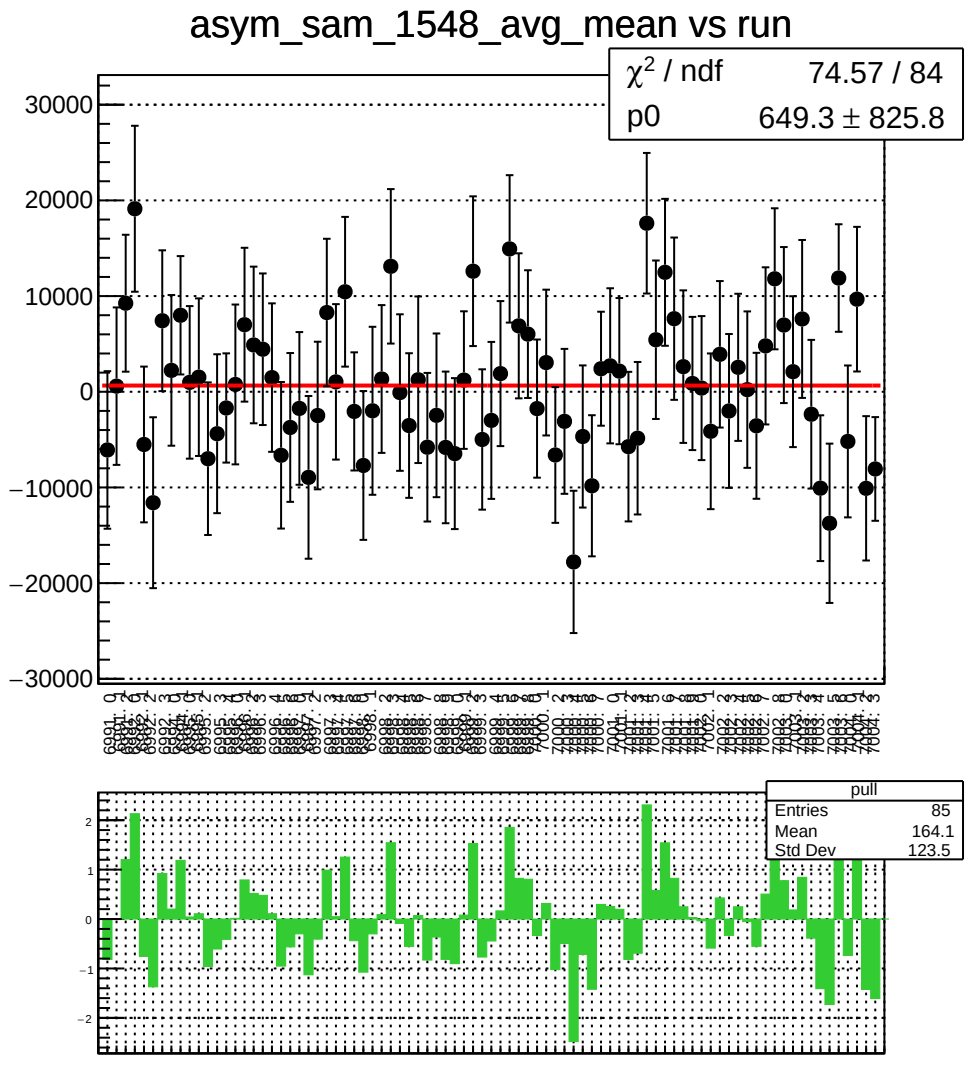

pull1D
Entries 85
Mean −0.006535
Std Dev 0.955

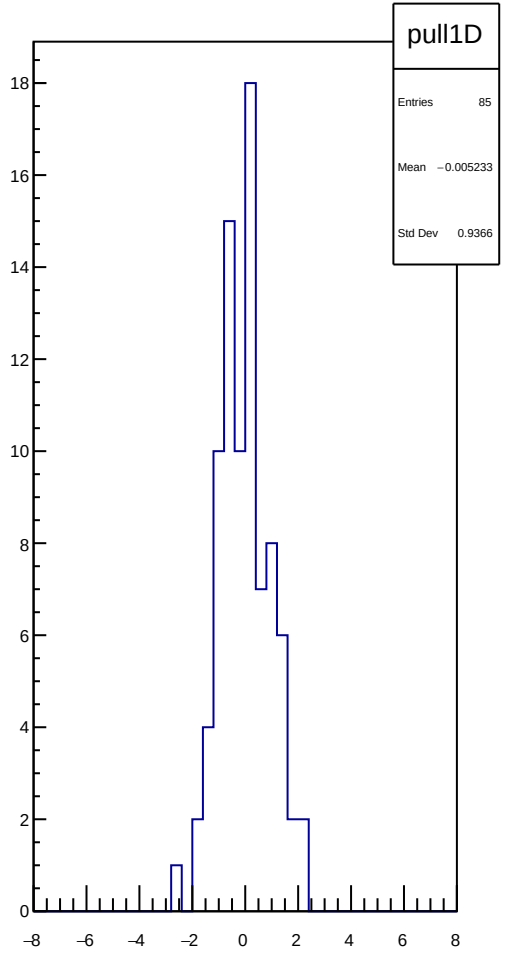

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 444.5 / 84
p0 107.3 ± 0.08355
114
112
110
108
106
104
102

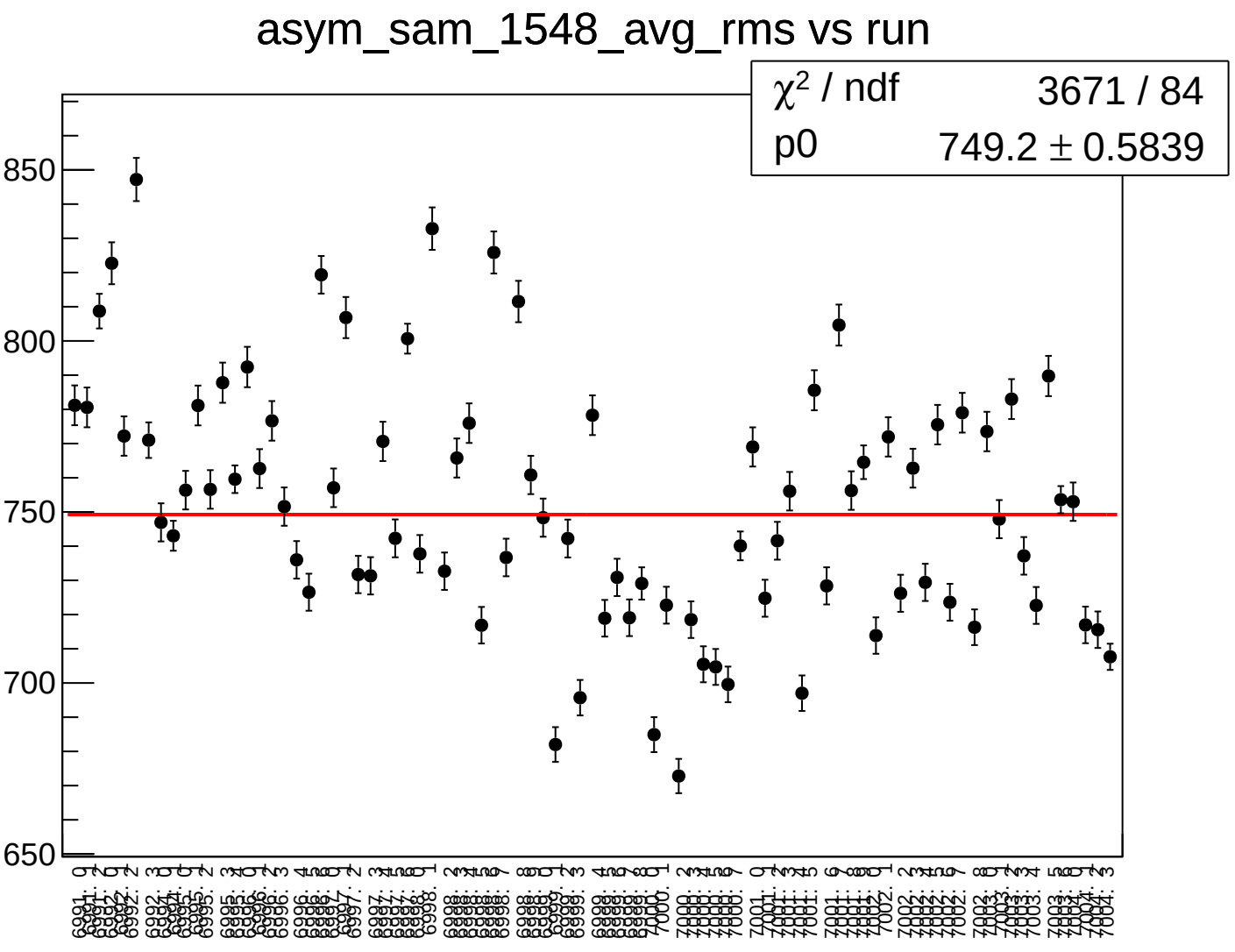

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 74.29 / 84
p0 −567.9 ± 841.5
pull
Entries 85
Mean 392.6
Std Dev 356.4

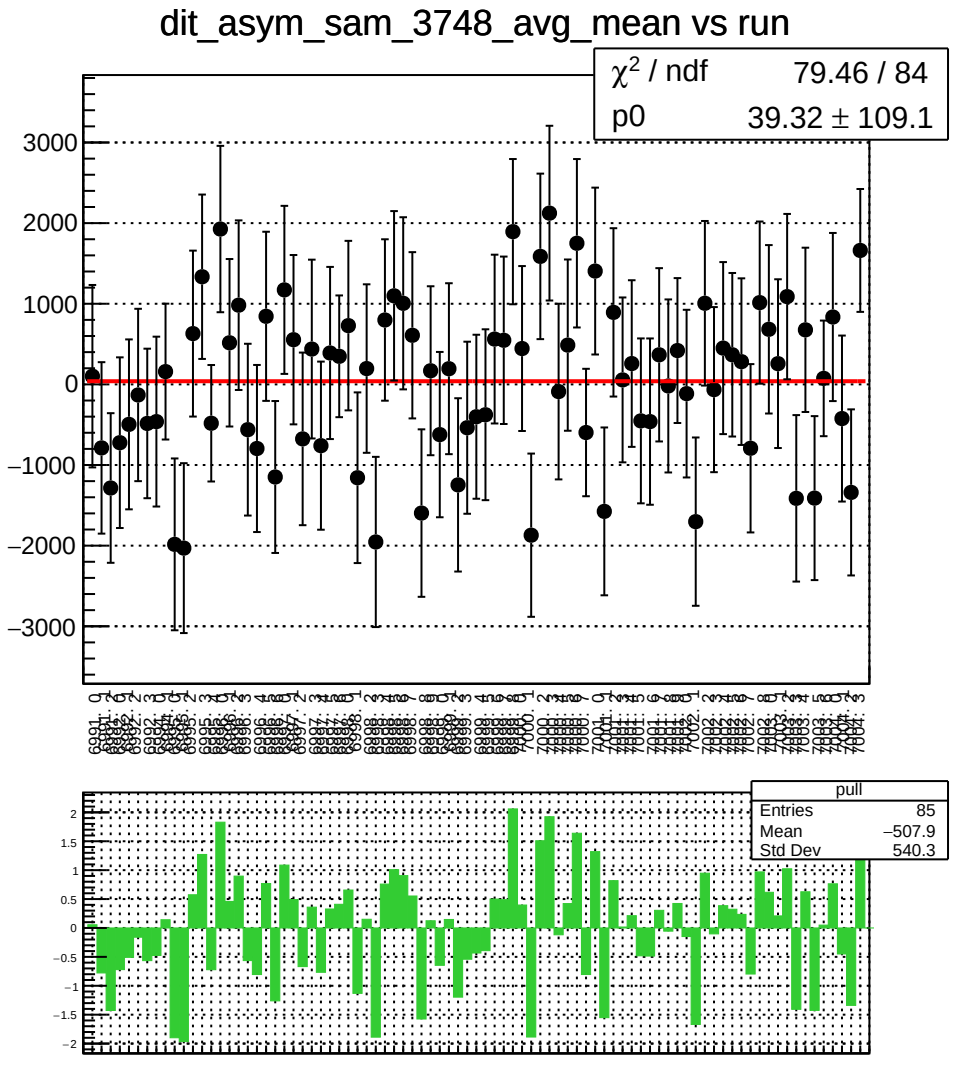

pull1D
Entries 85
Mean 0.003117
Std Dev 0.9349

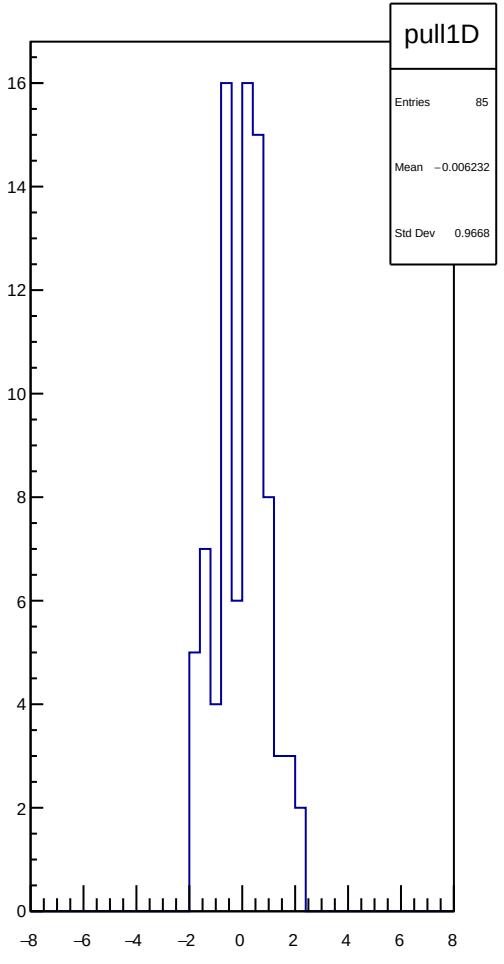

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 3016 / 84
p0 763.6 ± 0.595
860
840
820
800
780
760
740
720
700
680

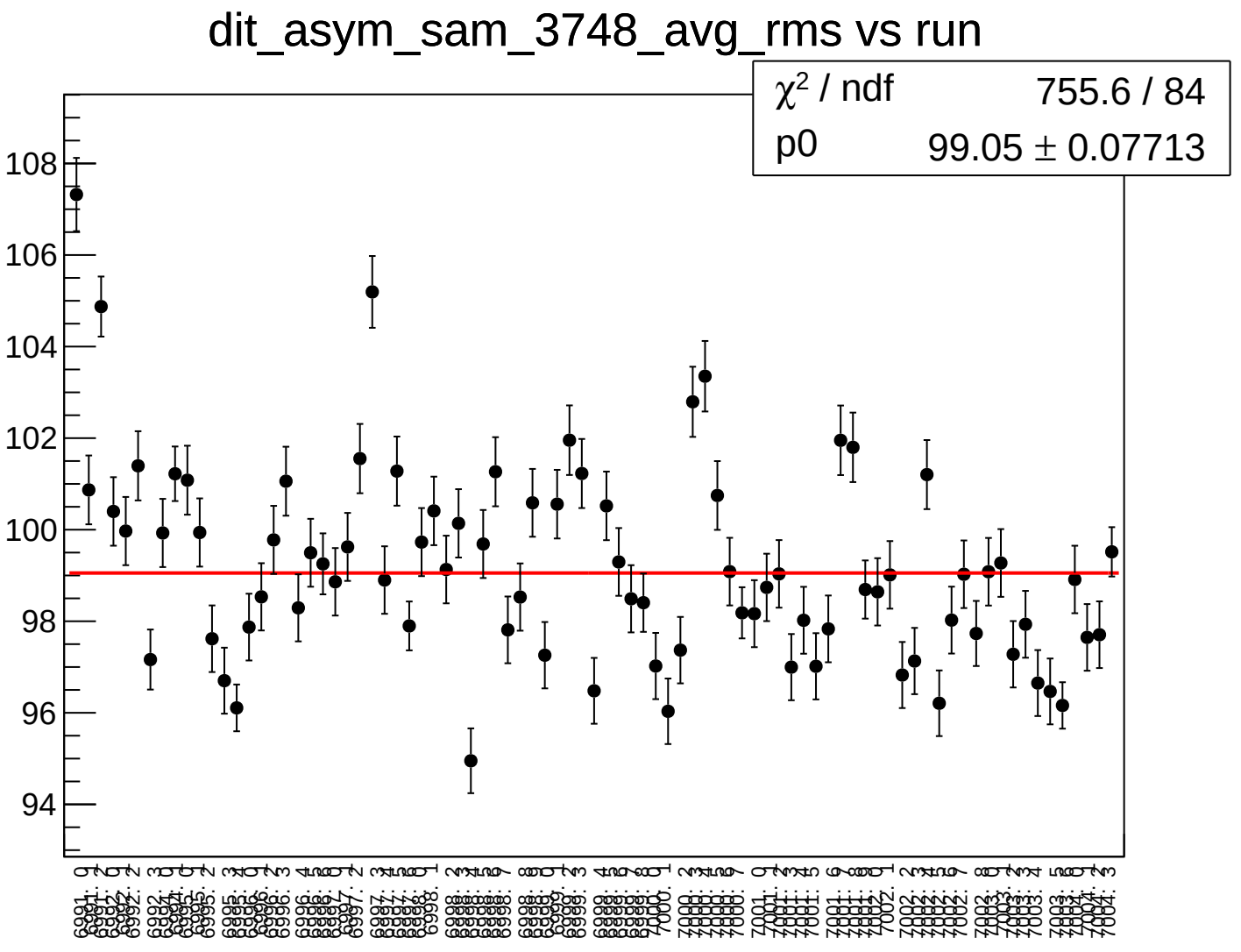

asym_sam_1548_avg_mean vs run
χ² / ndf 74.57 / 84
p0 649.3 ± 825.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 164.1
Std Dev 123.5
2
1
0
−1
−2

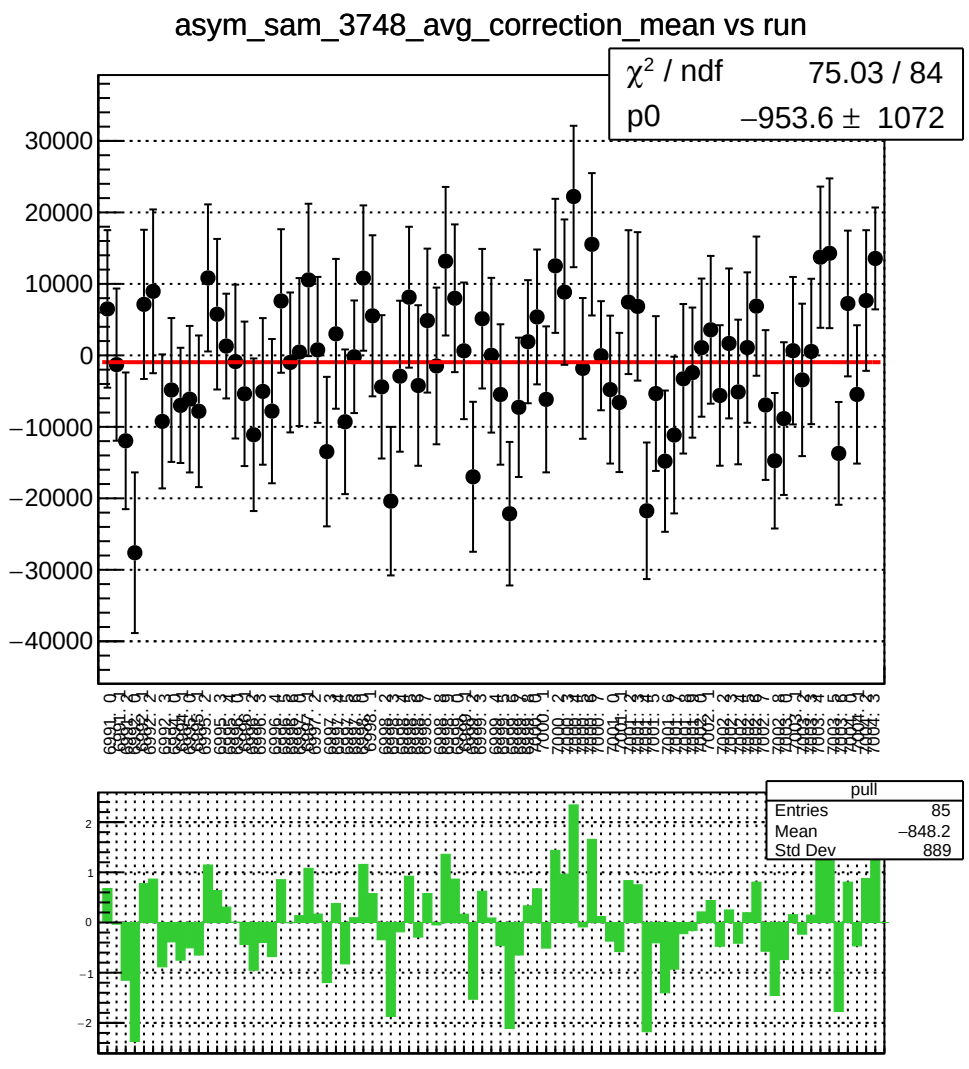

pull1D
Entries 85
Mean −0.005233
Std Dev 0.9366
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

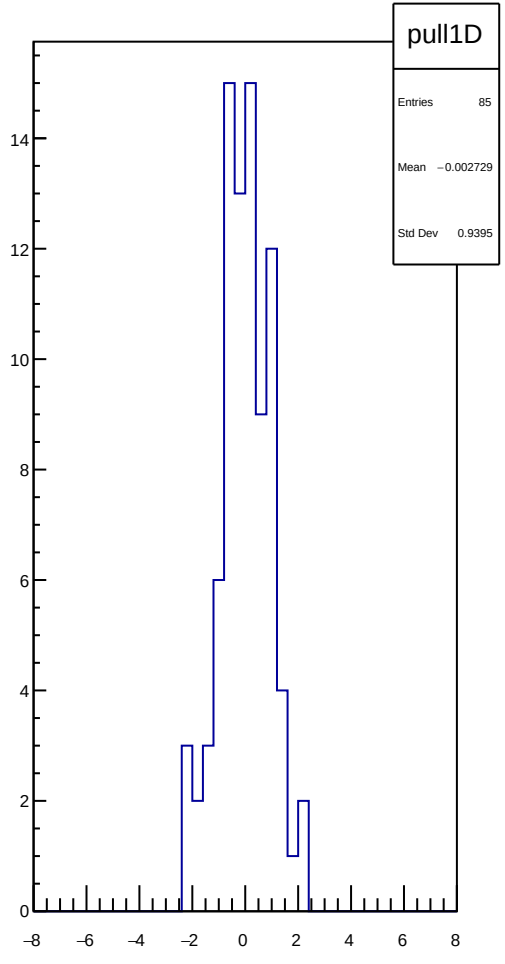

asym_sam_1548_avg_rms vs run
χ² / ndf 3671 / 84
p0 749.2 ± 0.5839
850
800
750
700
650

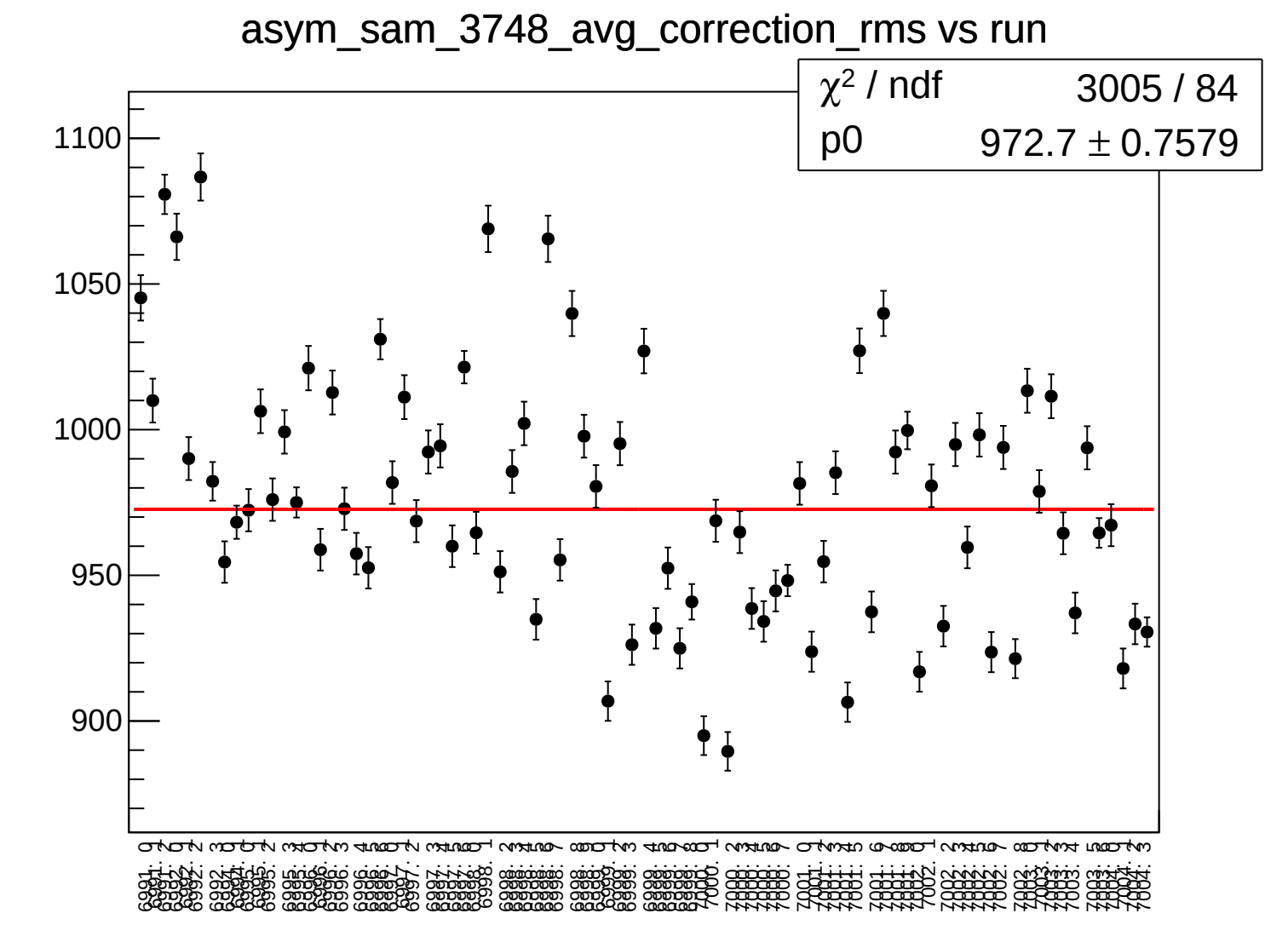

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 79.46 / 84
p0 39.32 ± 109.1
pull
Entries 85
Mean −507.9
Std Dev 540.3

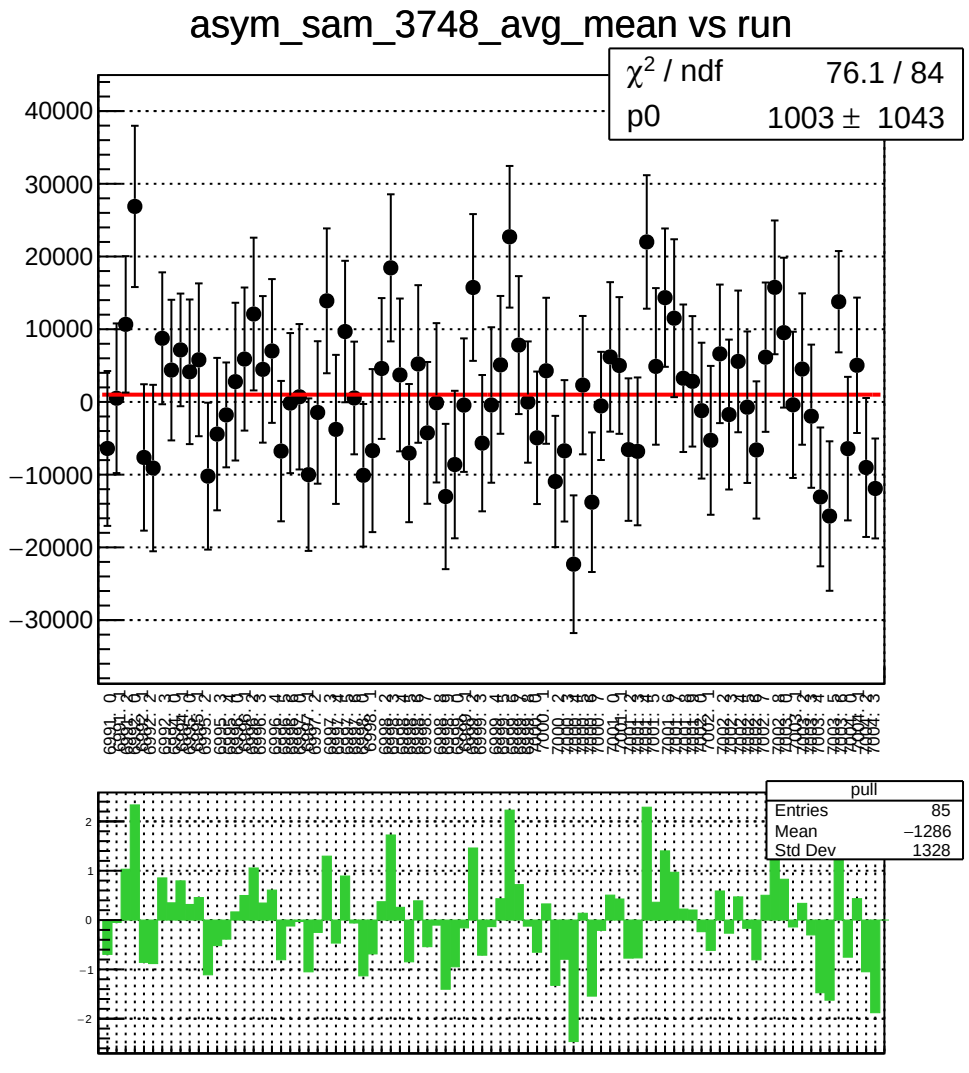

pull1D
Entries 85
Mean −0.006232
Std Dev 0.9668

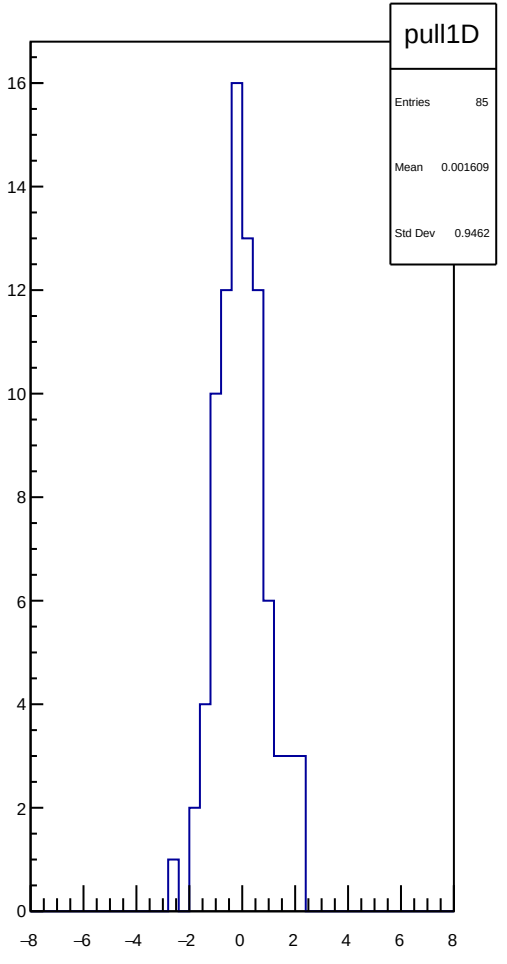

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 755.6 / 84
p0 99.05 ± 0.07713
108
106
104
102
100
98
96
94

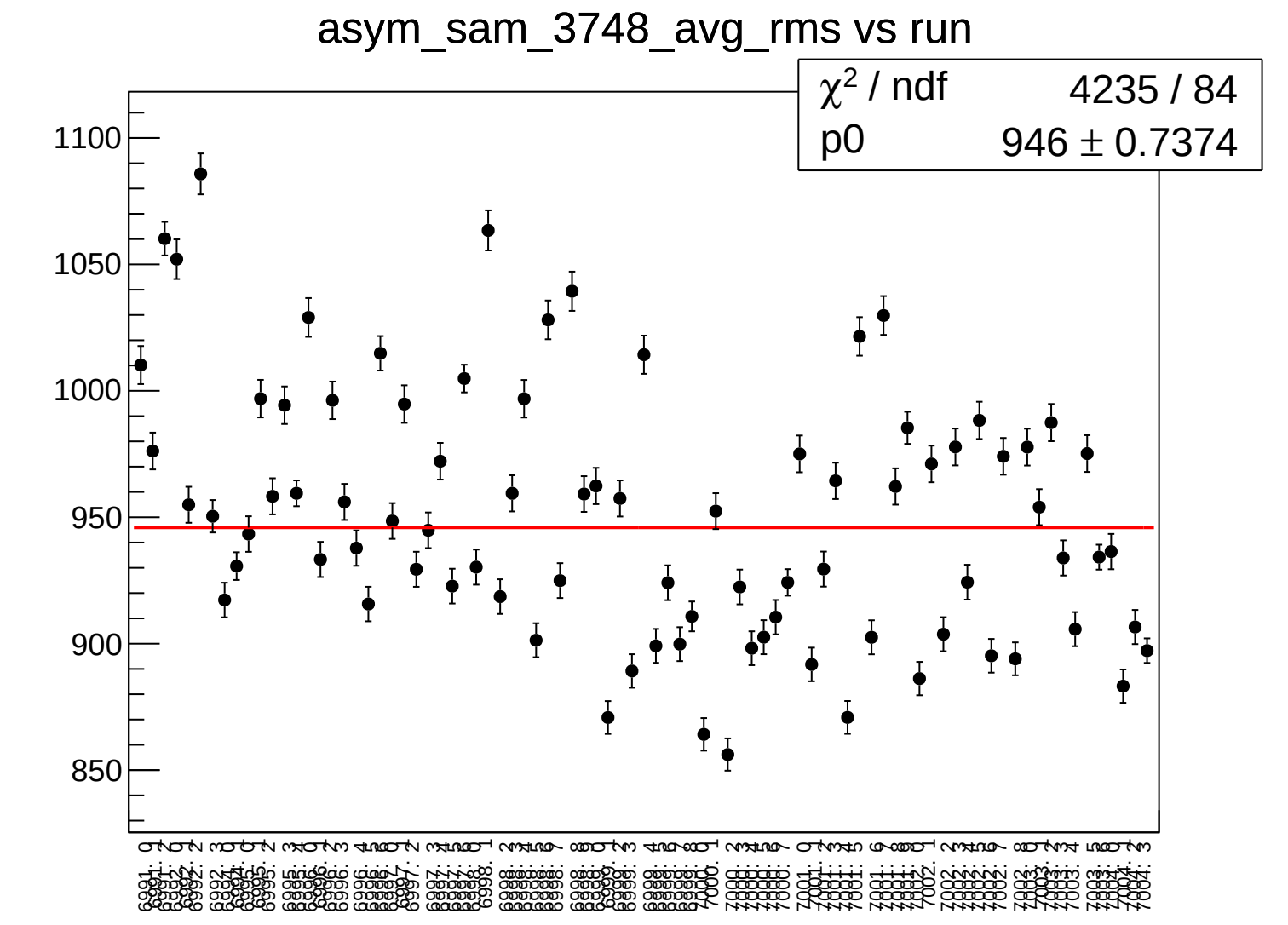

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 75.03 / 84
p0 −953.6 ± 1072
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean −848.2
Std Dev 889
2
1
0
−1
−2

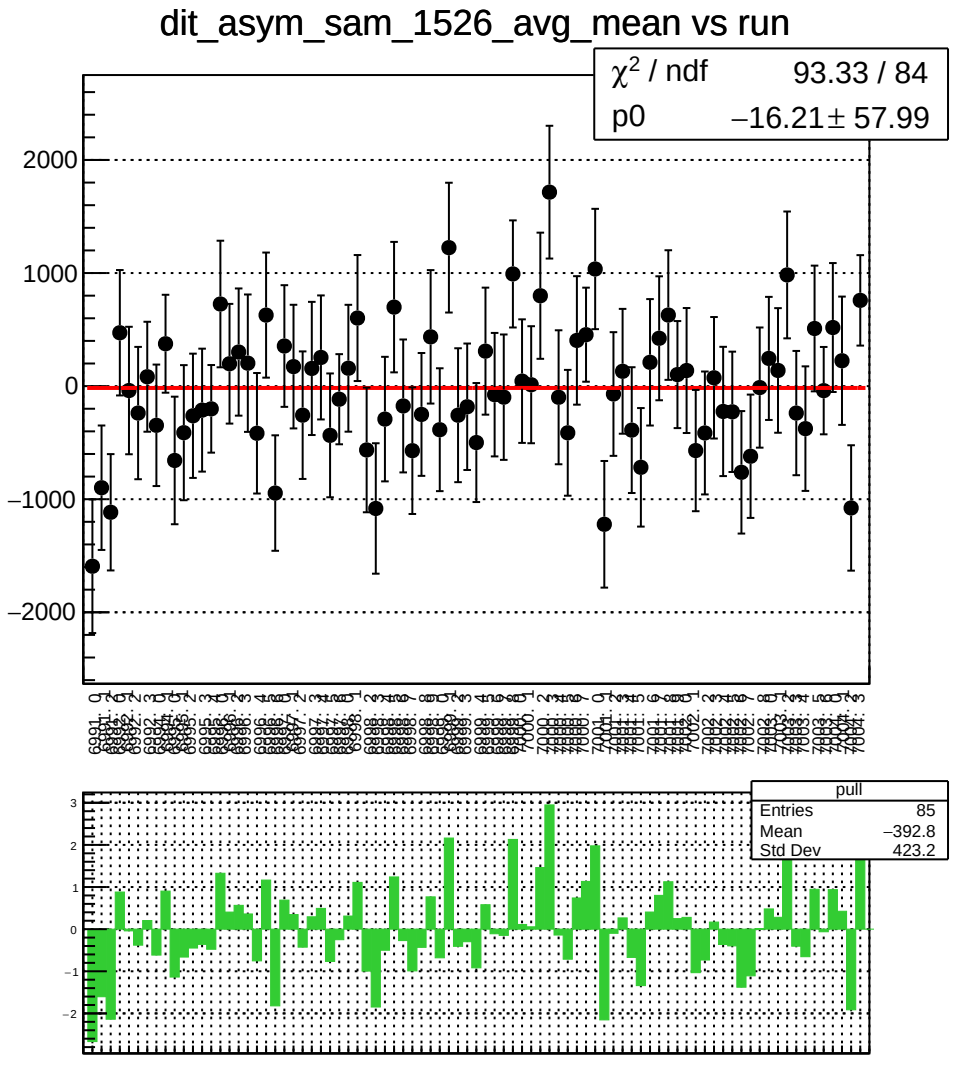

pull1D
Entries 85
Mean −0.002729
Std Dev 0.9395
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

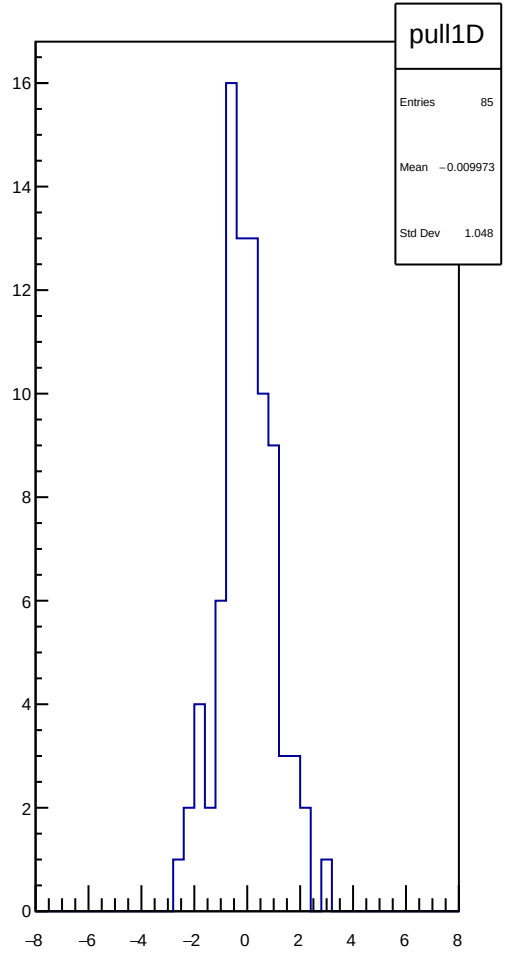

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 3005 / 84
p0 972.7 ± 0.7579
1100
1050
1000
950
900

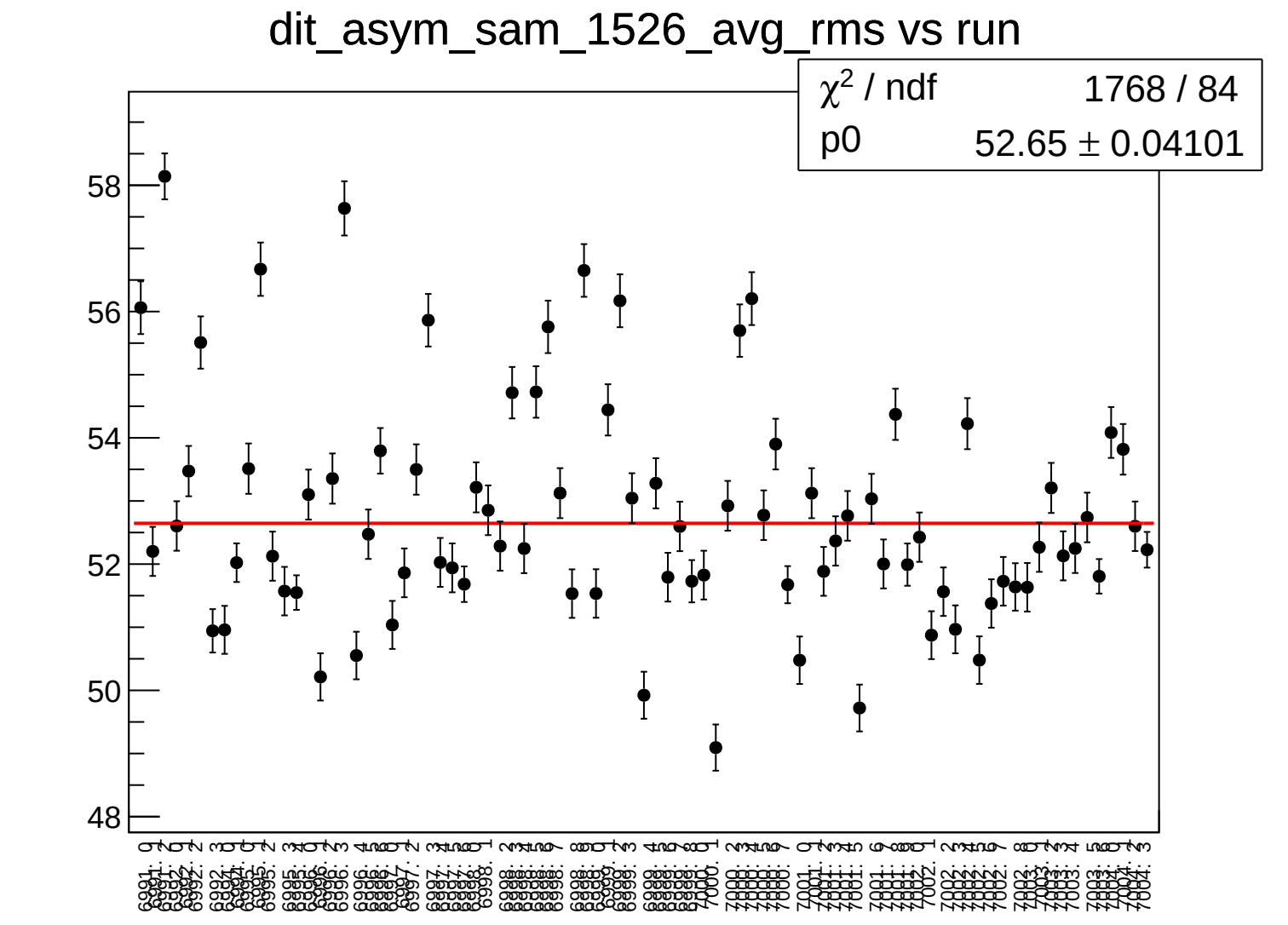

asym_sam_3748_avg_mean vs run
χ² / ndf 76.1 / 84
p0 1003 ± 1043
pull
Entries 85
Mean −1286
Std Dev 1328

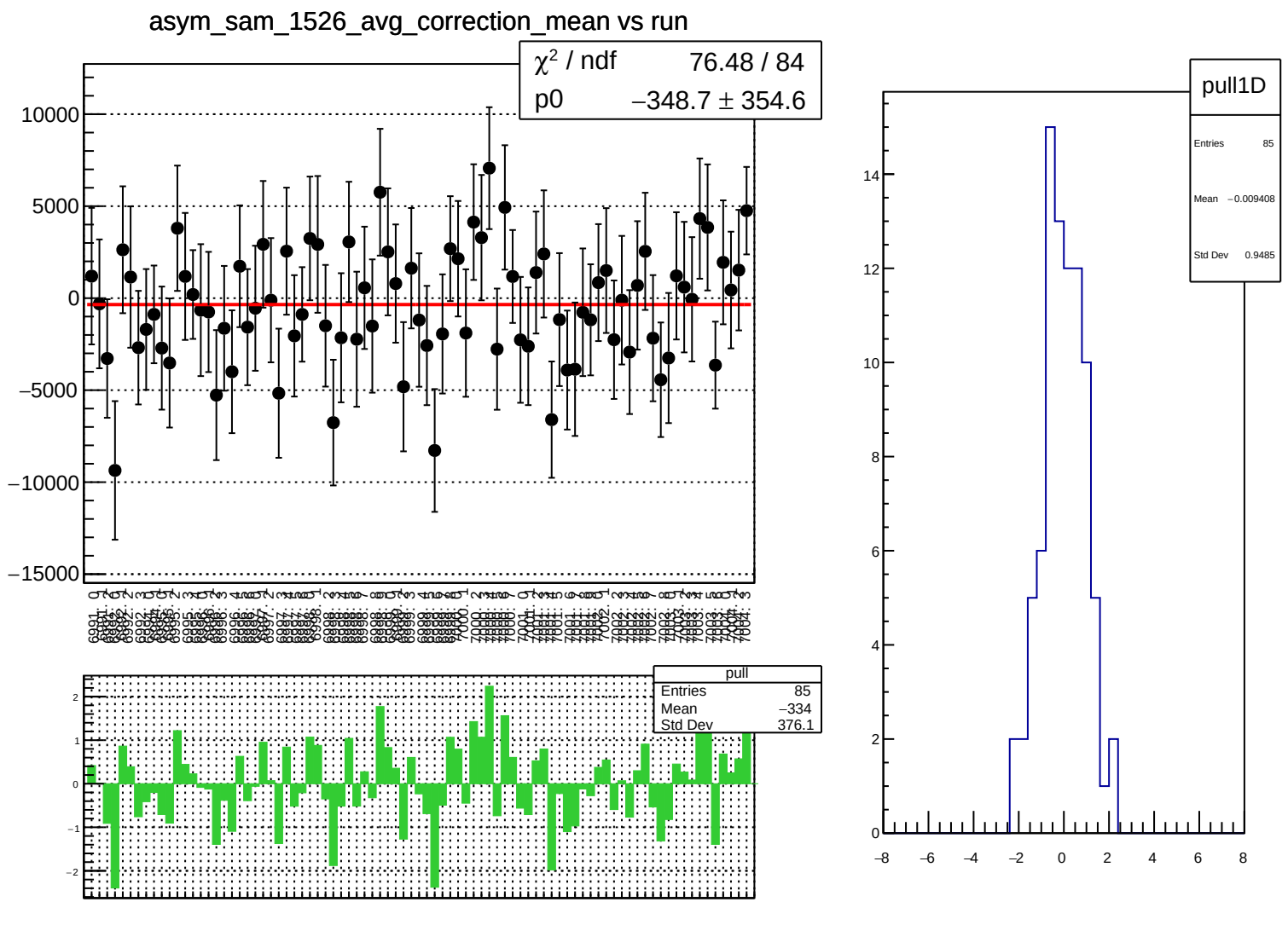

pull1D
Entries 85
Mean 0.001609
Std Dev 0.9462

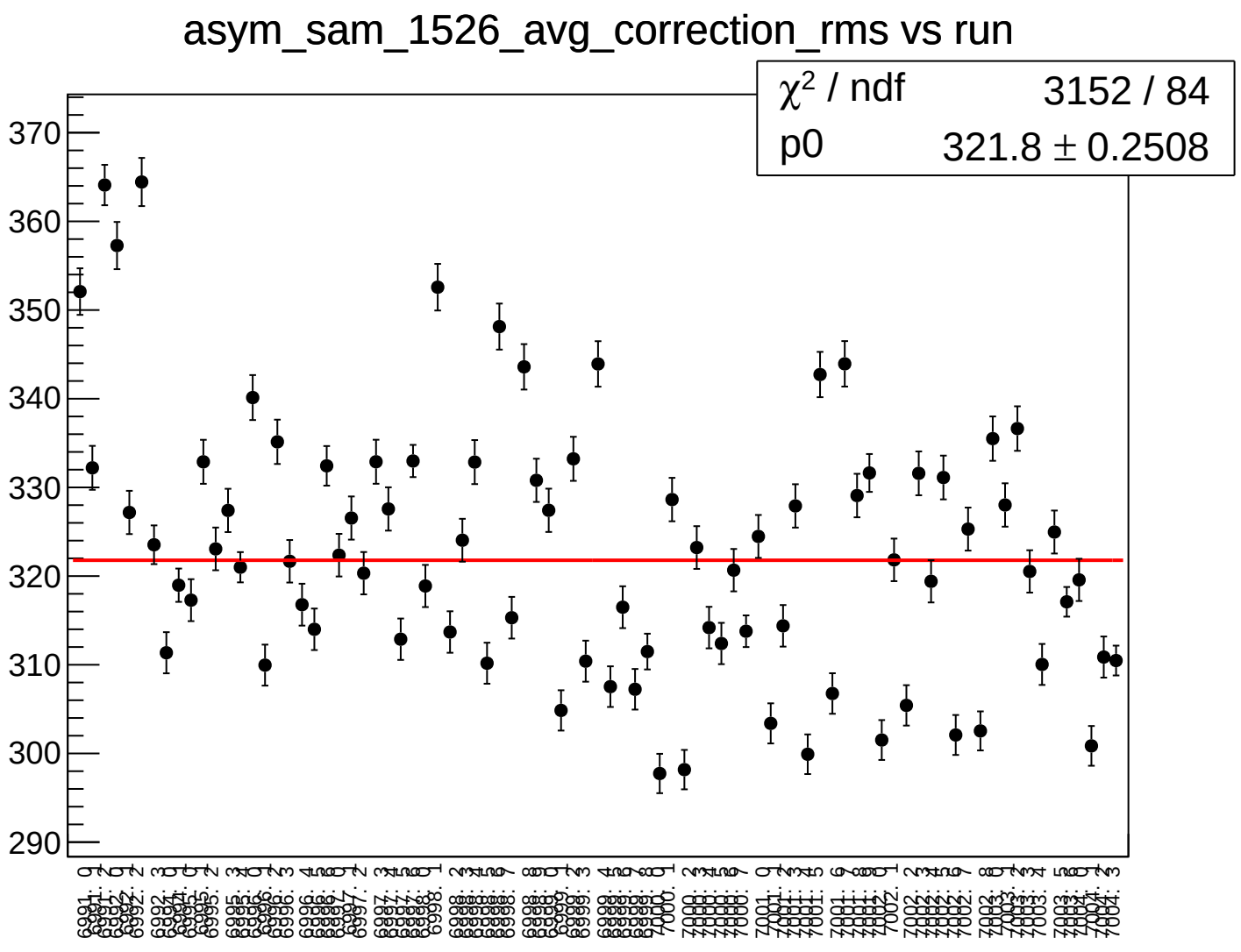

asym_sam_3748_avg_rms vs run
χ² / ndf 4235 / 84
p0 946 ± 0.7374
1100
1050
1000
950
900
850

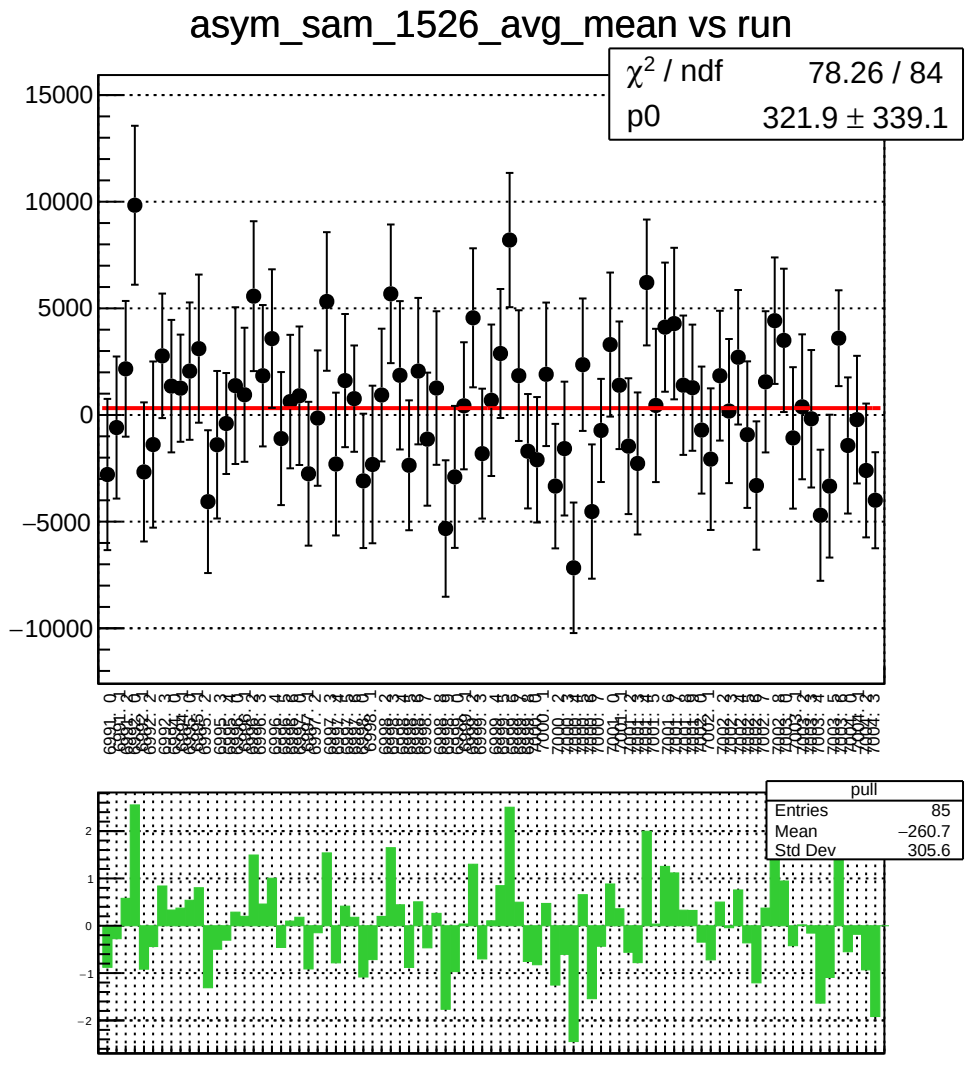

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 93.33 / 84
p0 −16.21 ± 57.99
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −392.8
Std Dev 423.2
3
2
1
0
−1
−2

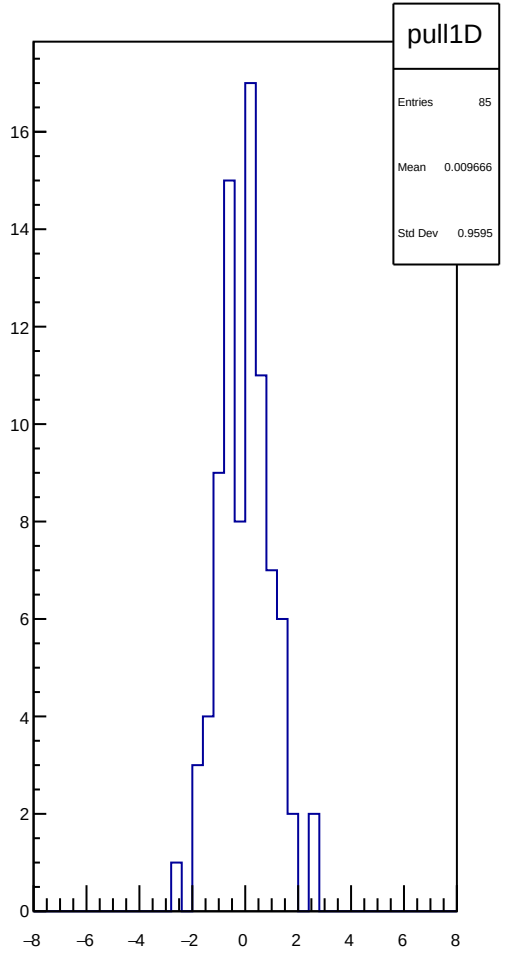

pull1D
Entries 85
Mean −0.009973
Std Dev 1.048
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

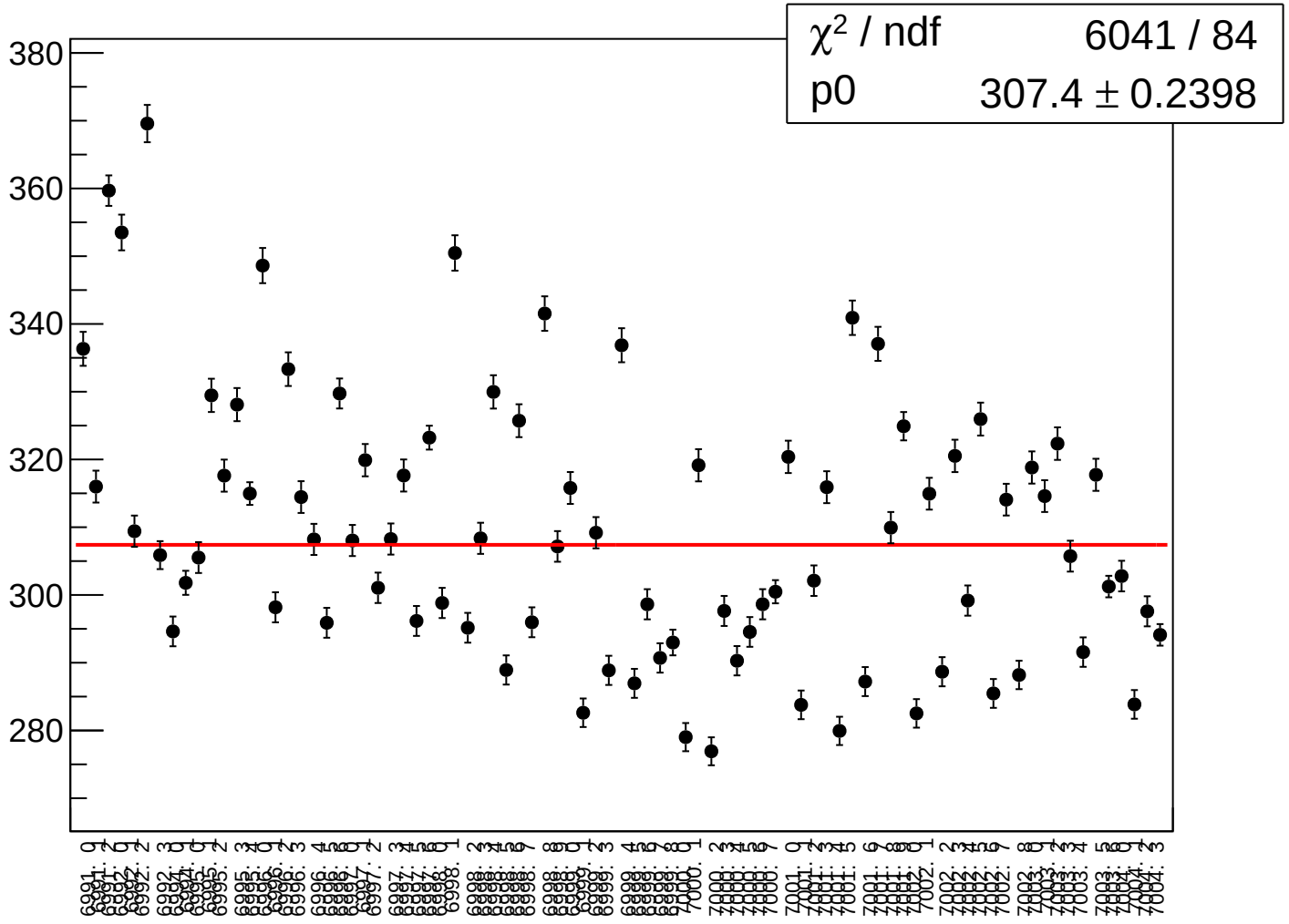

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1768 / 84
p0 52.65 ± 0.04101
58
56
54
52
50
48

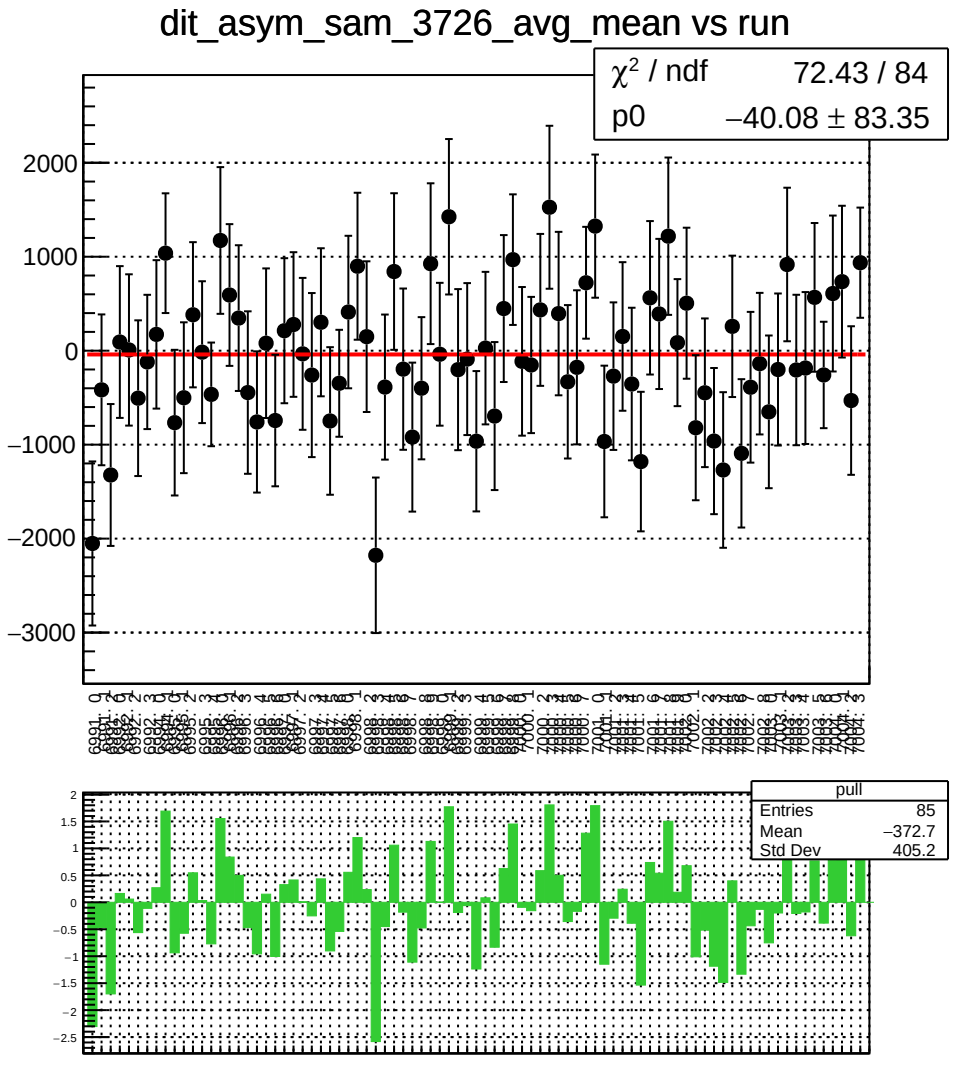

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 76.48 / 84
p0 −348.7 ± 354.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −334
Std Dev 376.1
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.009408
Std Dev 0.9485
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

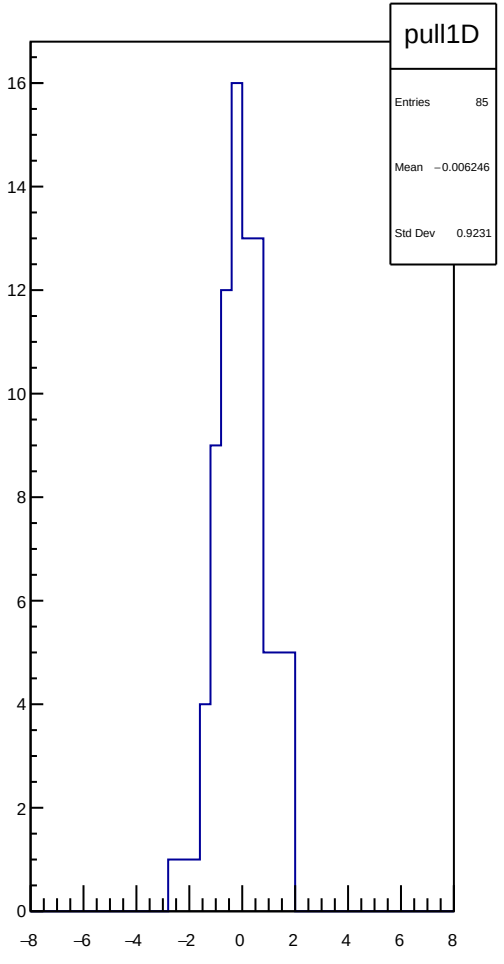

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 3152 / 84
p0 321.8 ± 0.2508
370
360
350
340
330
320
310
300
290

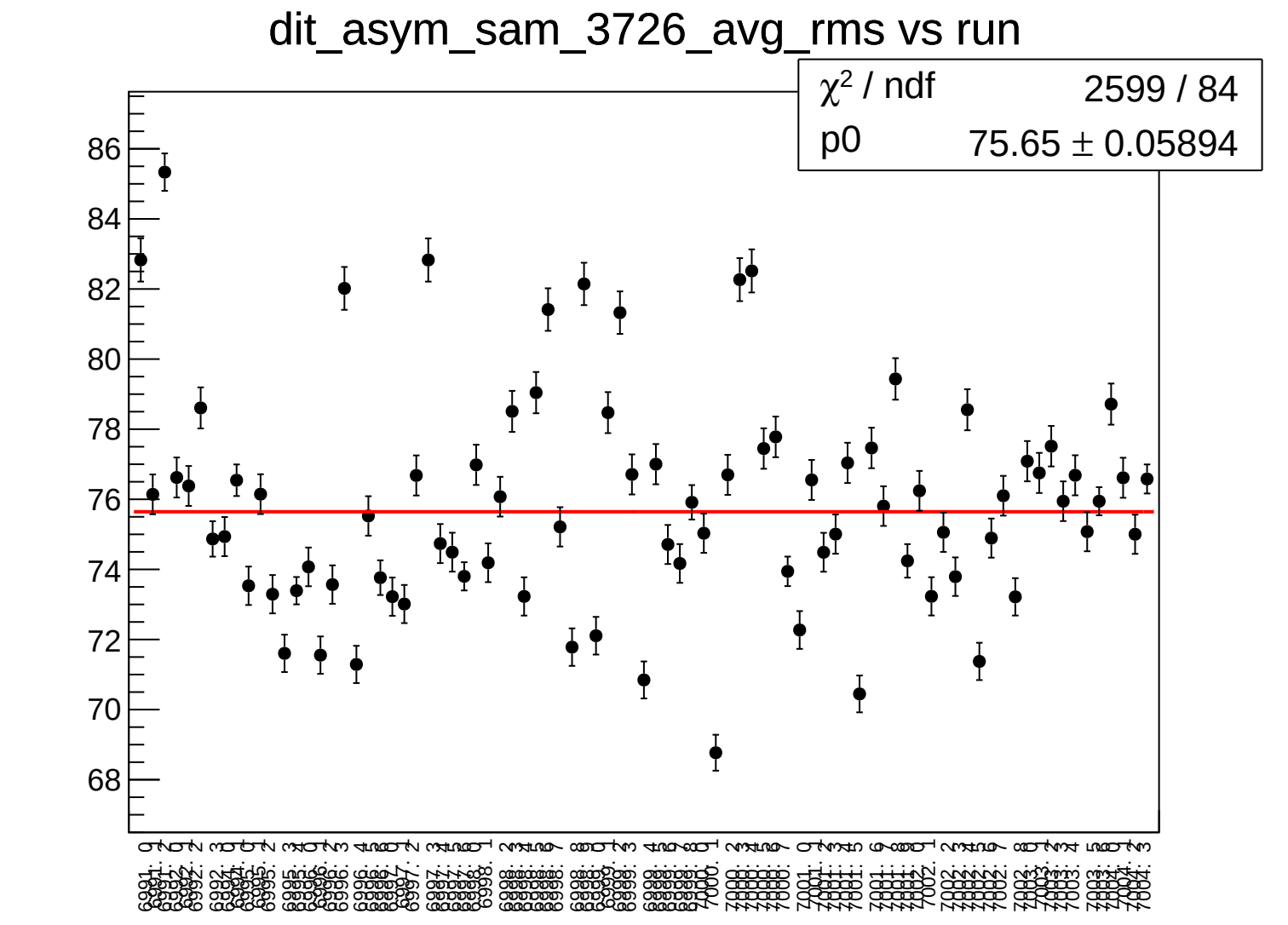

asym_sam_1526_avg_mean vs run
χ² / ndf 78.26 / 84
p0 321.9 ± 339.1
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −260.7
Std Dev 305.6
2
1
0
−1
−2

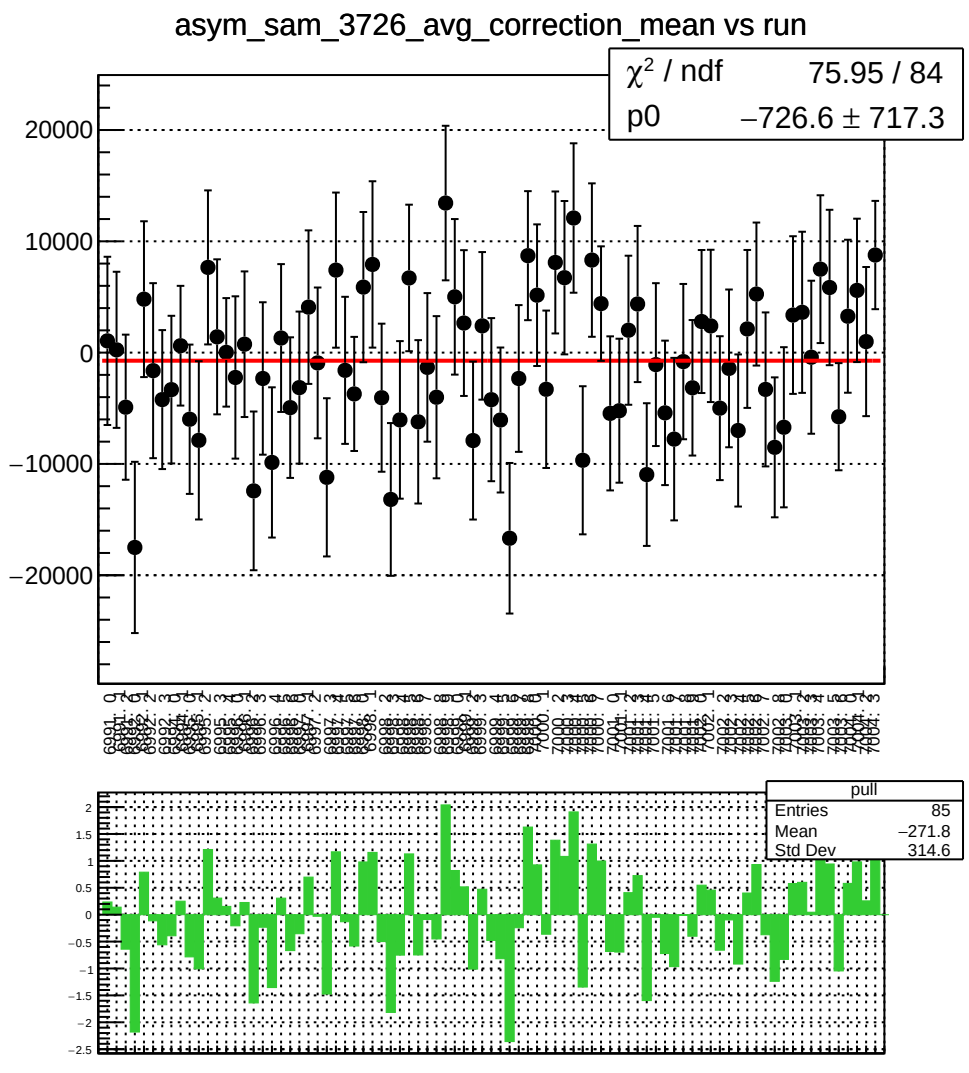

pull1D
Entries 85
Mean 0.009666
Std Dev 0.9595
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

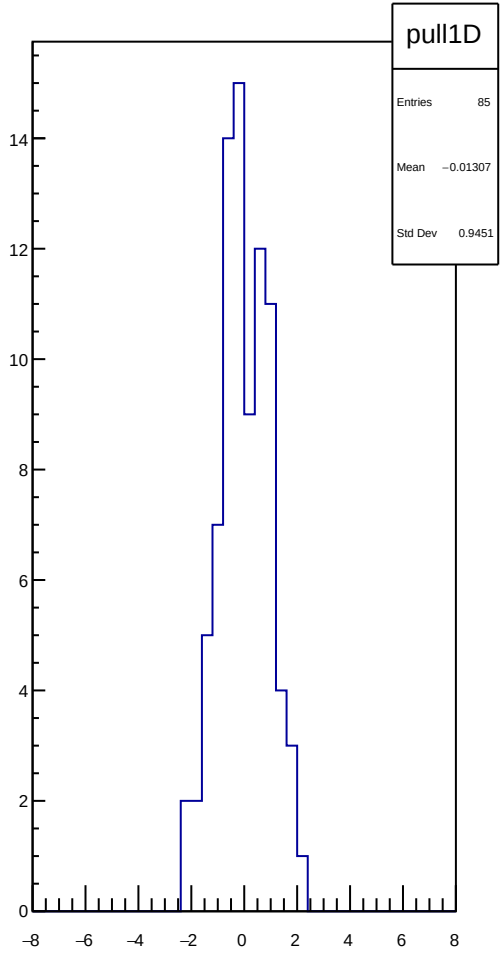

asym_sam_1526_avg_rms vs run
χ² / ndf 6041 / 84
p0 307.4 ± 0.2398
380
360
340
320
300
280

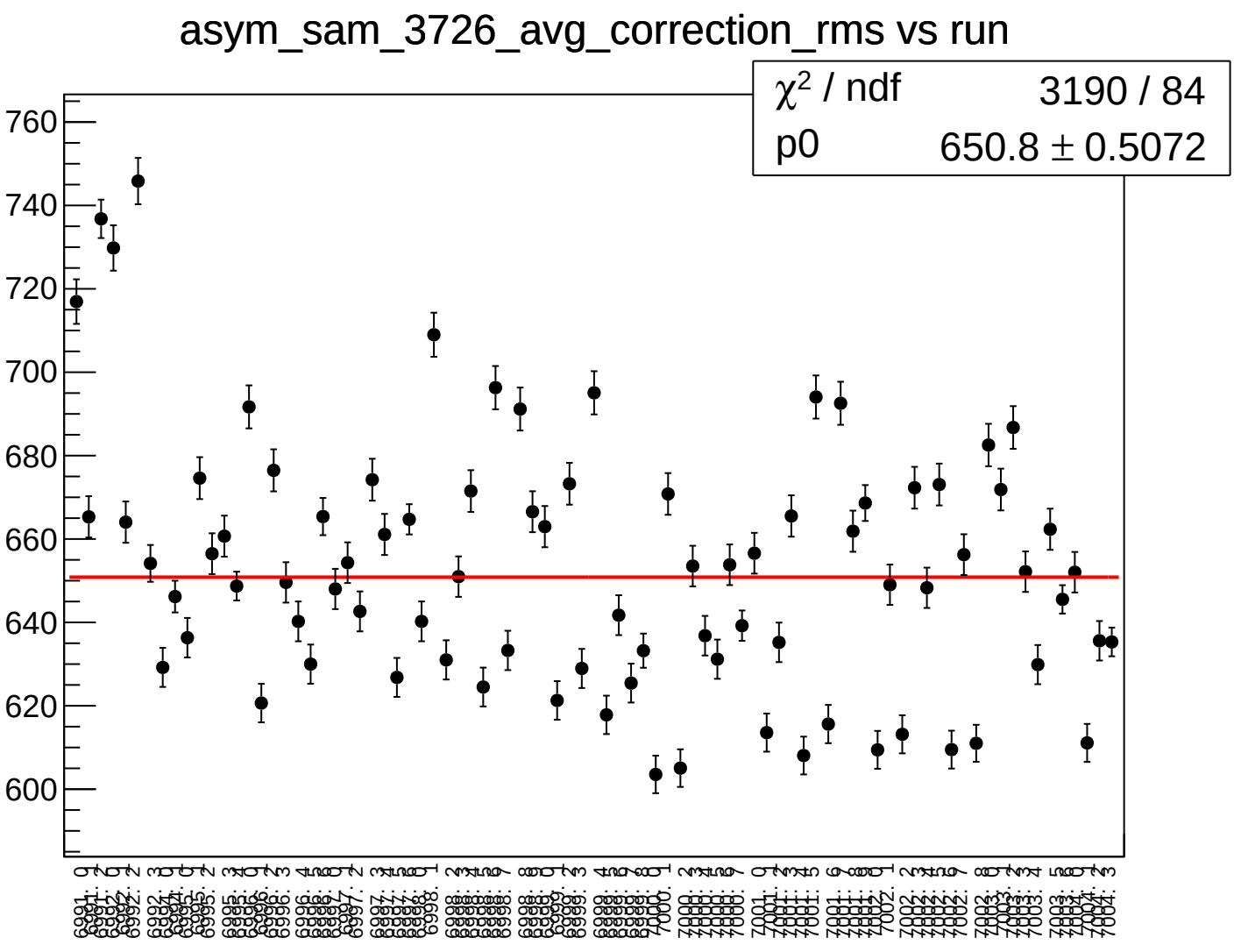

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 72.43 / 84
p0 −40.08 ± 83.35
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean −372.7
Std Dev 405.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

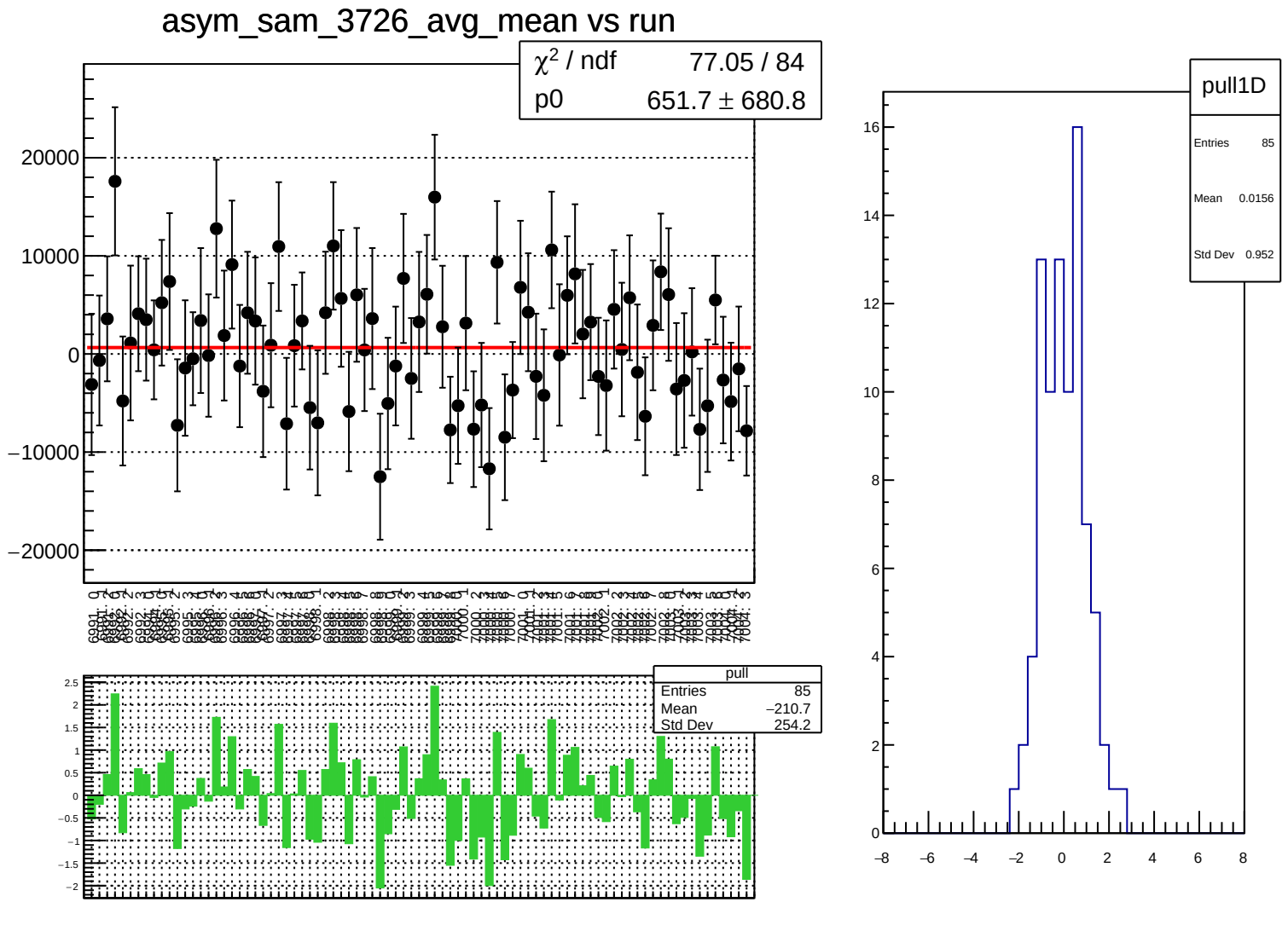

pull1D
Entries 85
Mean −0.006246
Std Dev 0.9231
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

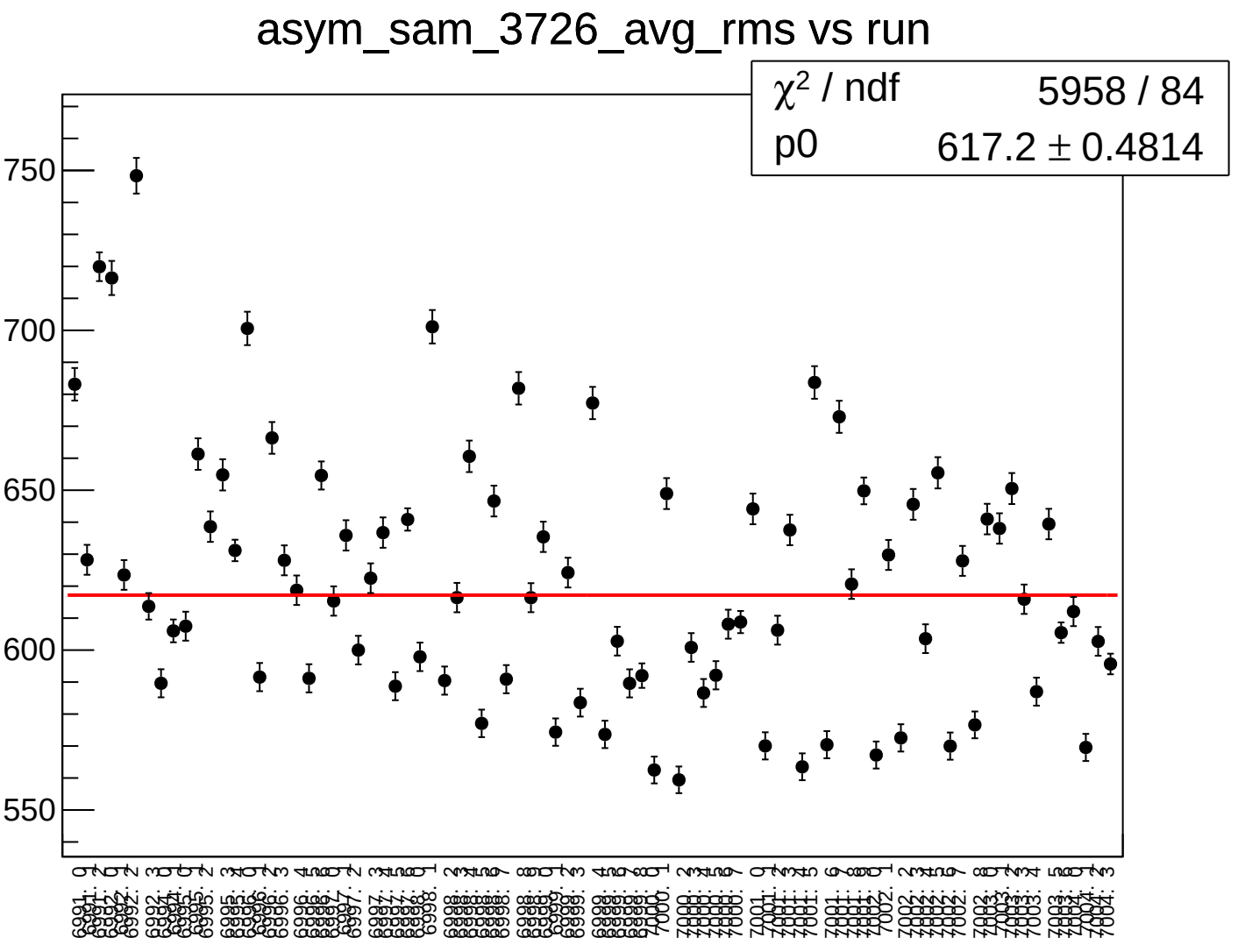

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 2599 / 84
p0 75.65 ± 0.05894
86
84
82
80
78
76
74
72
70
68

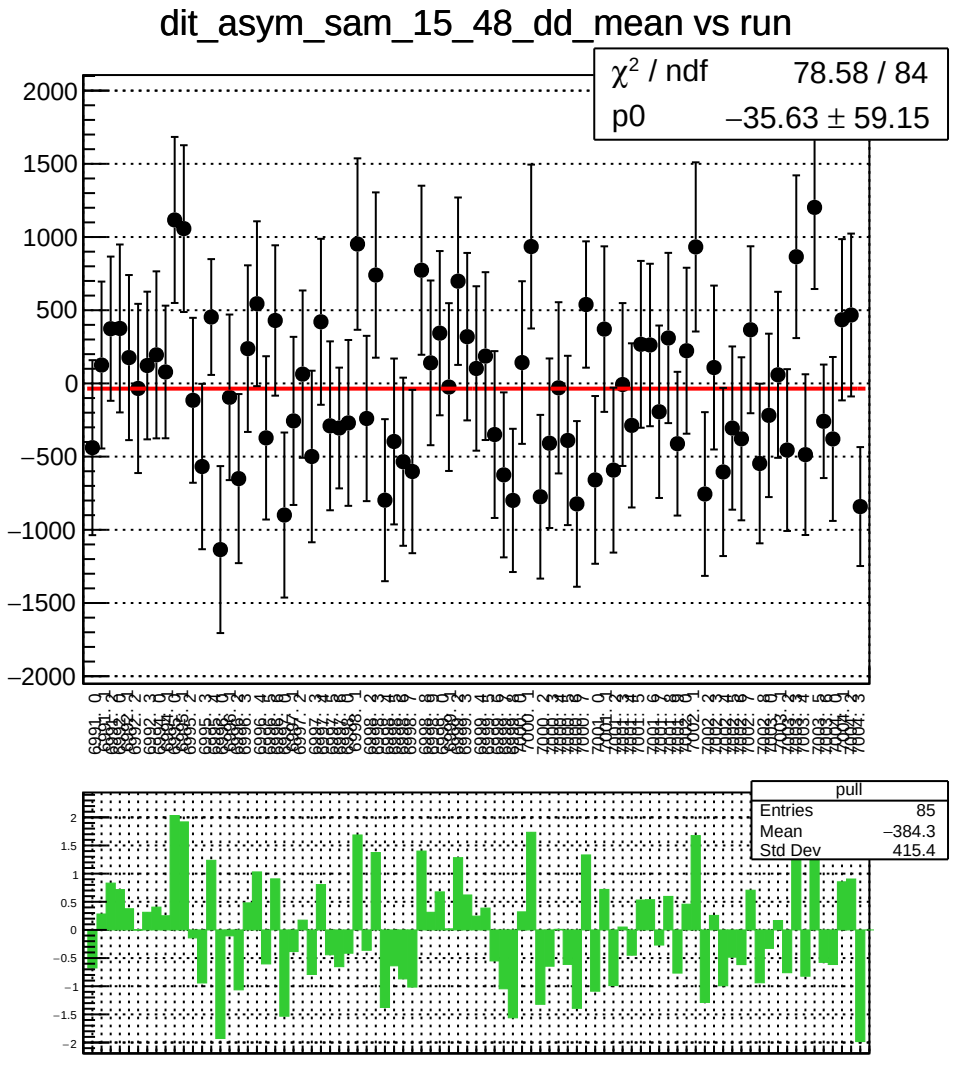

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 75.95 / 84
p0 −726.6 ± 717.3
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −271.8
Std Dev 314.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

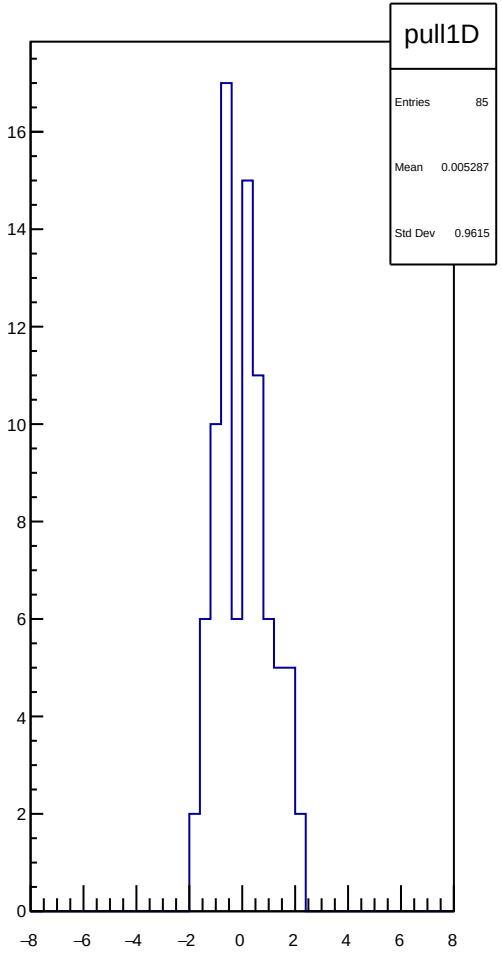

pull1D
Entries 85
Mean −0.01307
Std Dev 0.9451
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

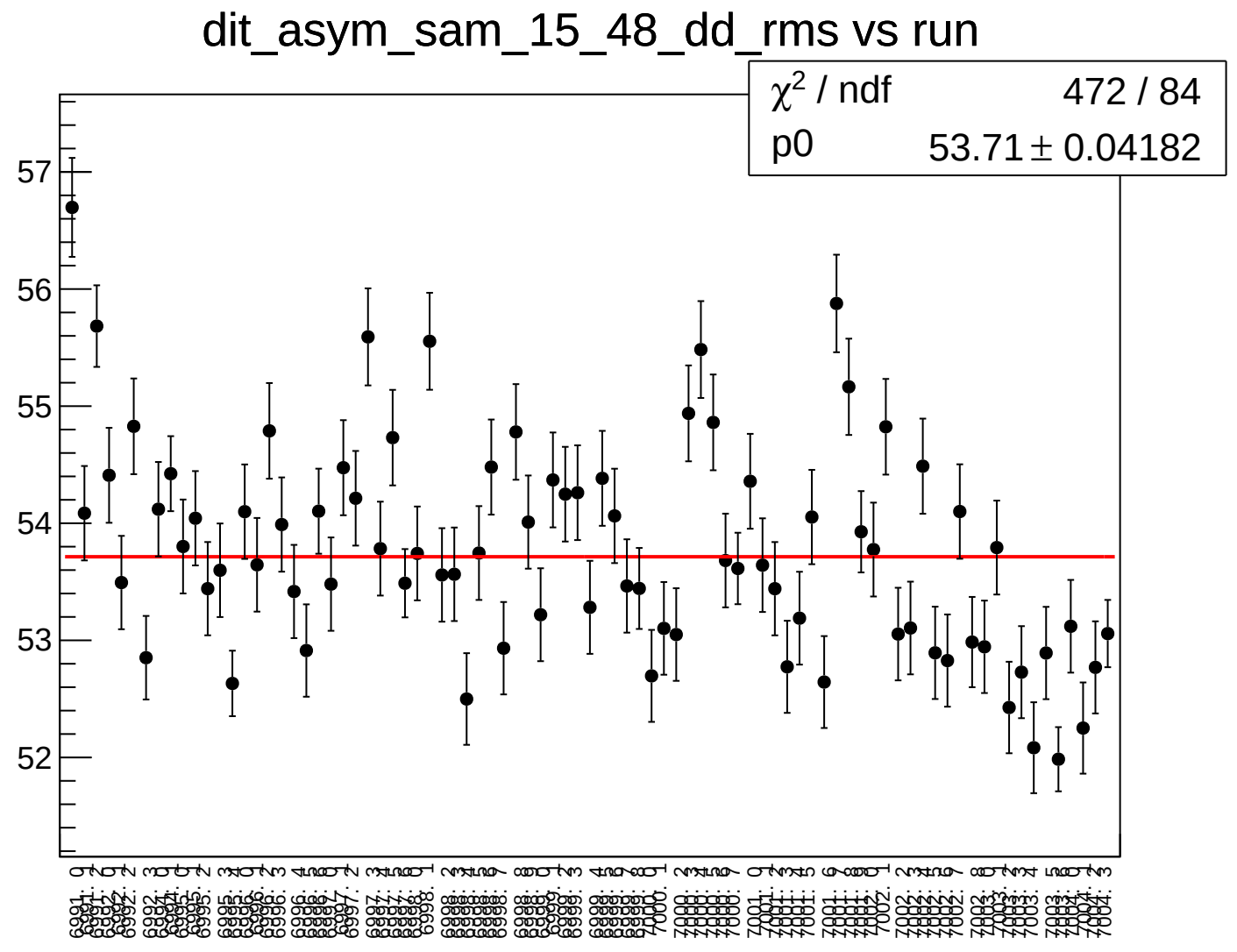

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 3190 / 84
p0 650.8 ± 0.5072
760
740
720
700
680
660
640
620
600

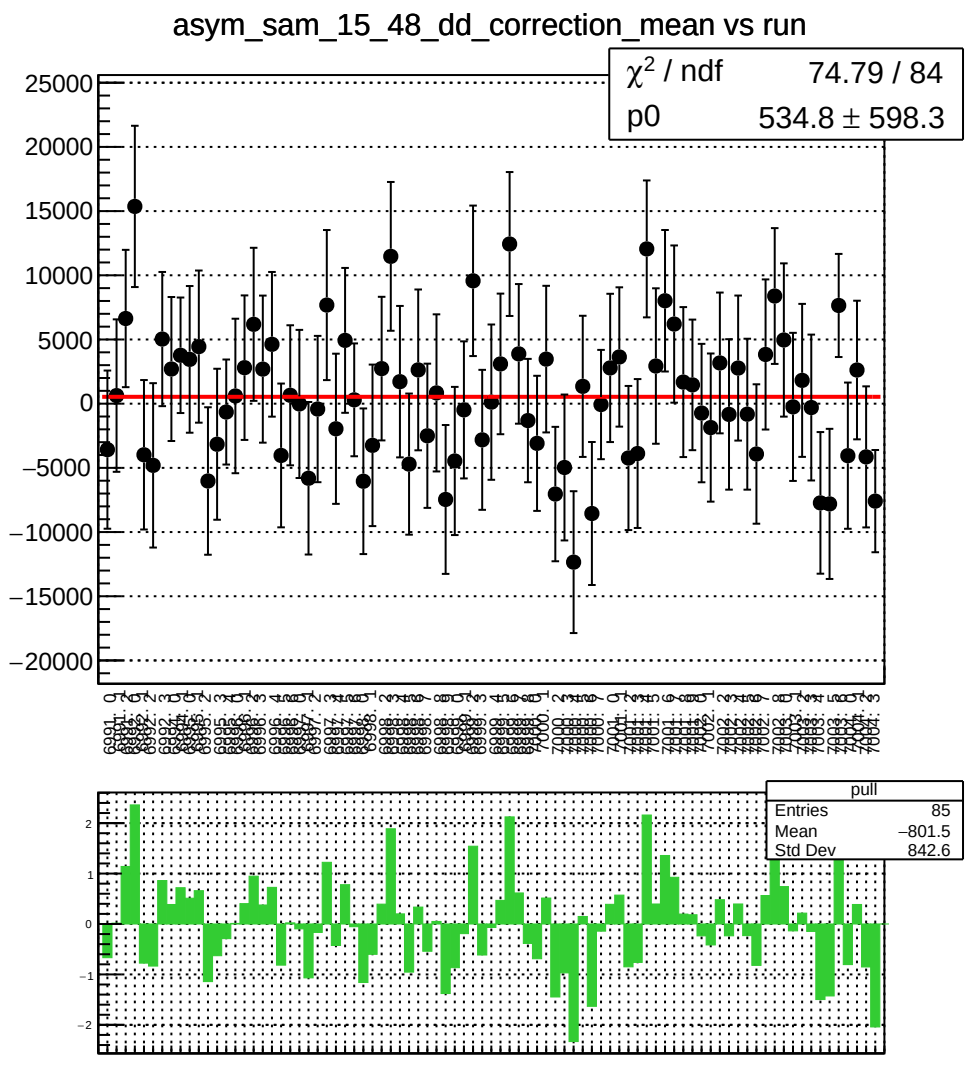

asym_sam_3726_avg_mean vs run
χ^2 / ndf 77.05 / 84
p0 651.7 ± 680.8
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −210.7
Std Dev 254.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean 0.0156
Std Dev 0.952
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

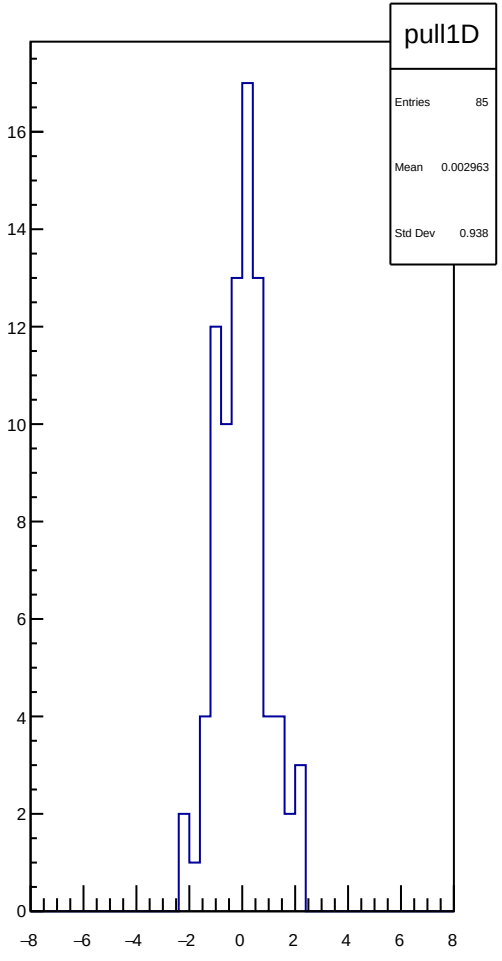

asym_sam_3726_avg_rms vs run
χ² / ndf 5958 / 84
p0 617.2 ± 0.4814
750
700
650
600
550

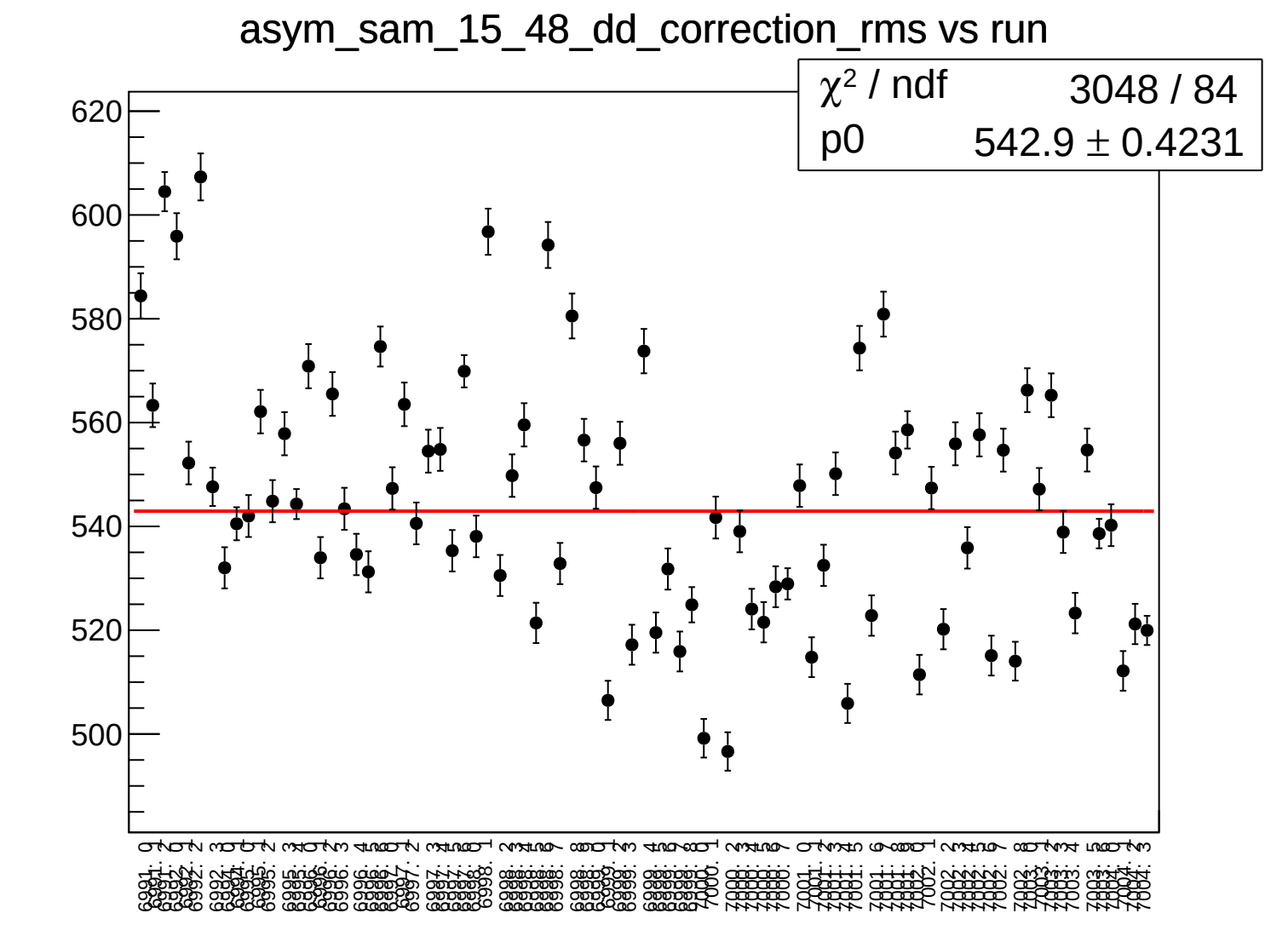

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 78.58 / 84
p0 −35.63 ± 59.15
pull
Entries 85
Mean −384.3
Std Dev 415.4

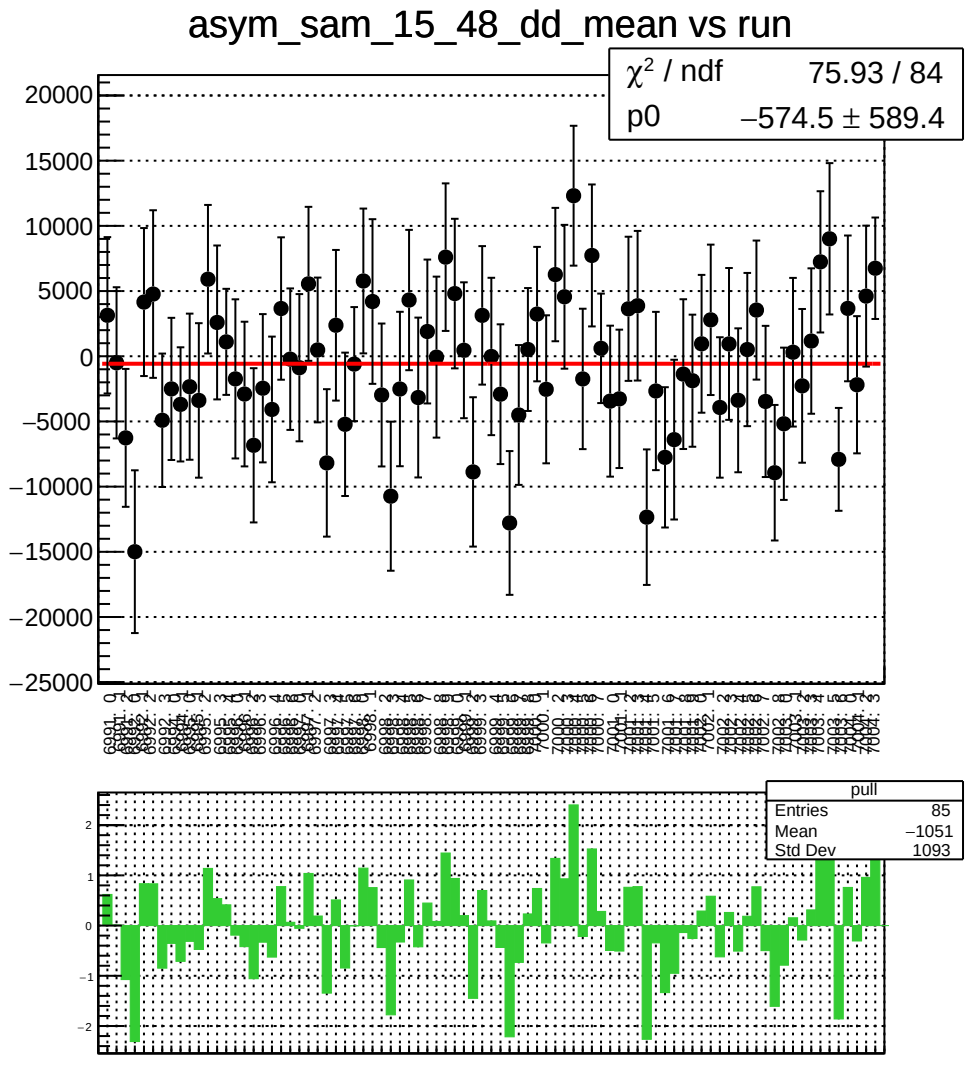

pull1D
Entries 85
Mean 0.005287
Std Dev 0.9615

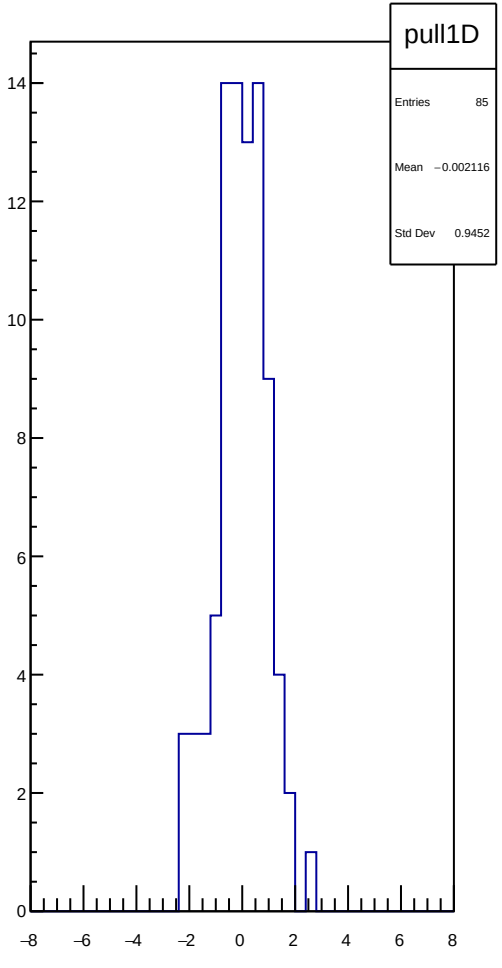

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 472 / 84
p0 53.71 ± 0.04182
57
56
55
54
53
52

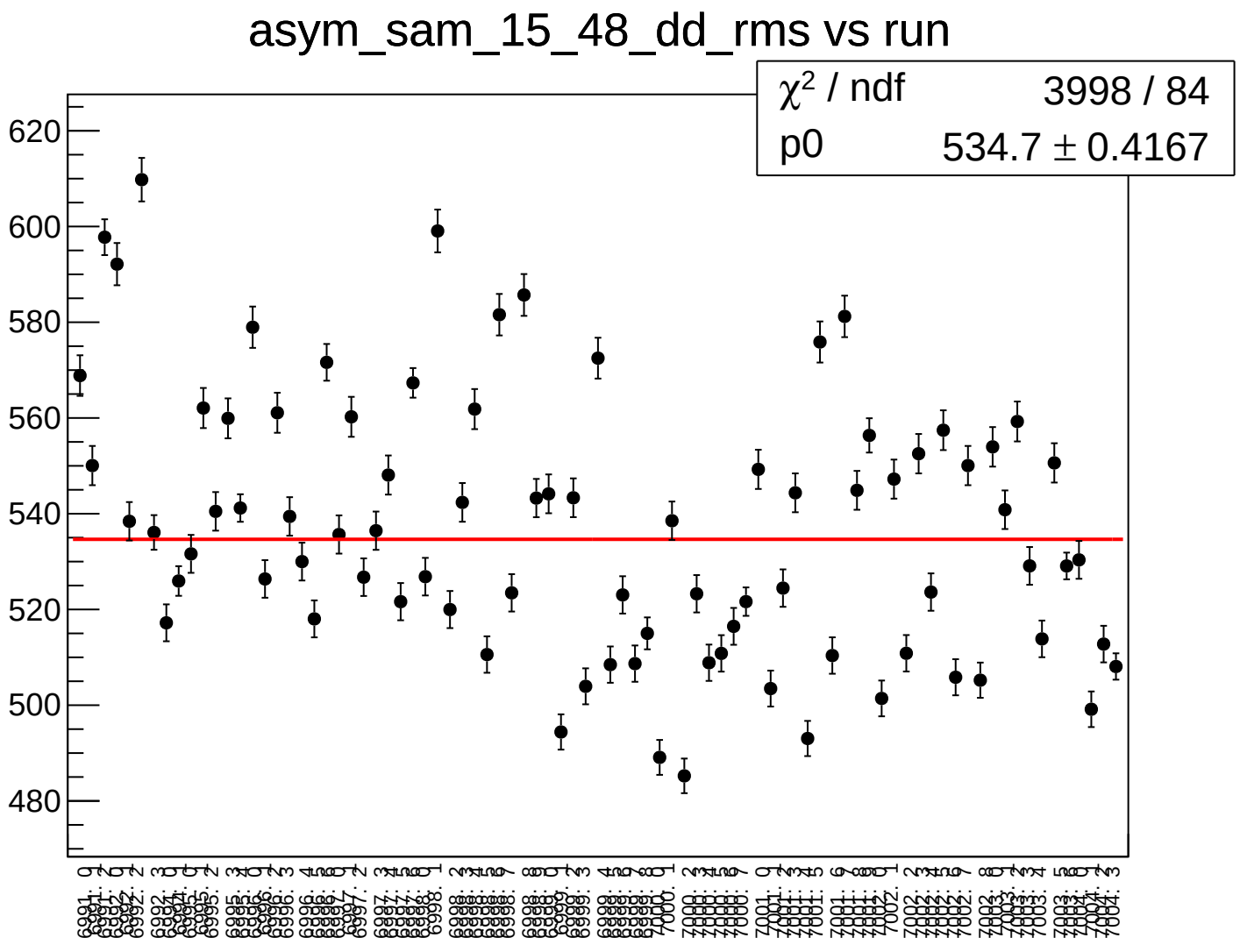

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 74.79 / 84
p0 534.8 ± 598.3
pull
Entries 85
Mean −801.5
Std Dev 842.6

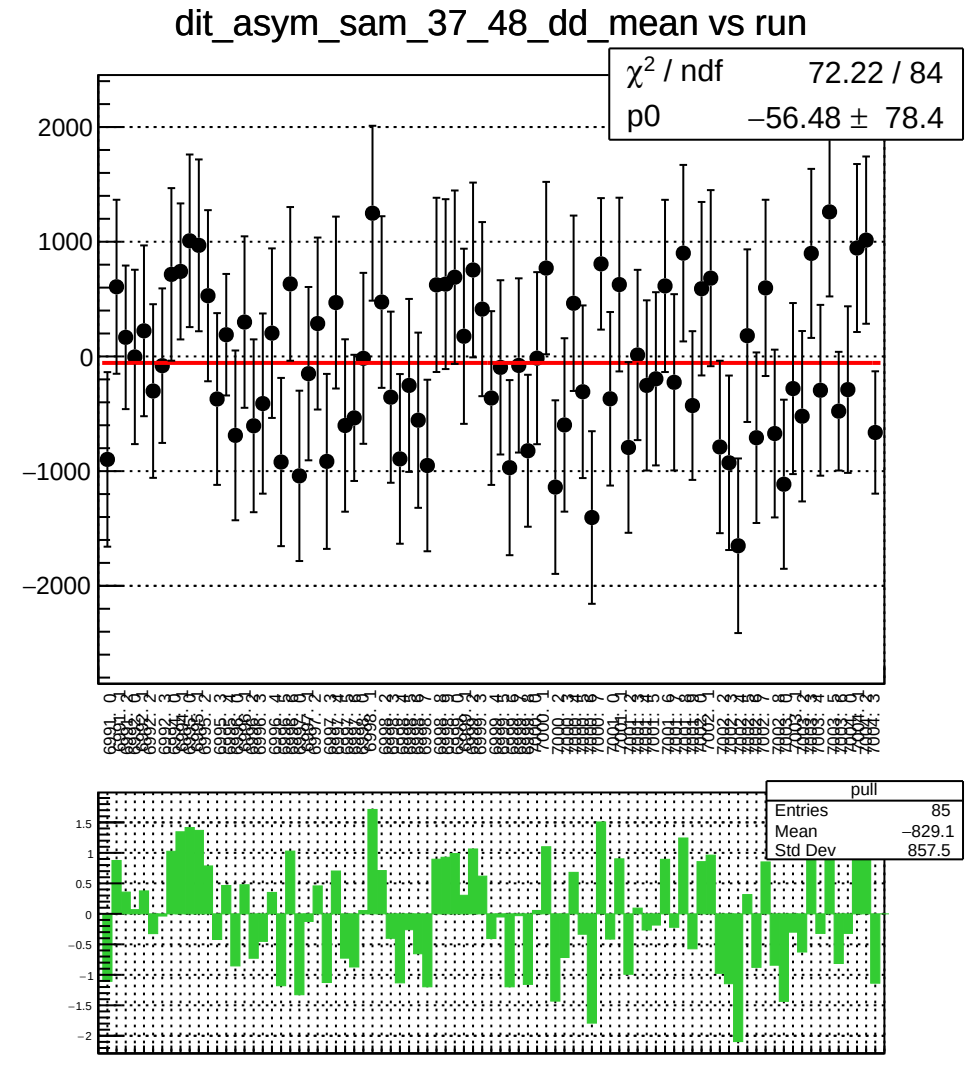

pull1D
Entries 85
Mean 0.002963
Std Dev 0.938

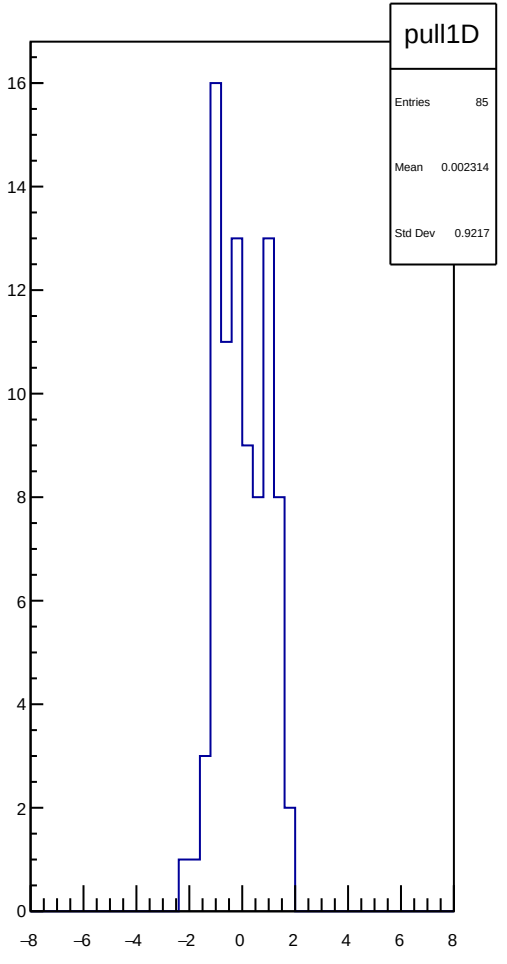

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 3048 / 84
p0 542.9 ± 0.4231
620
600
580
560
540
520
500

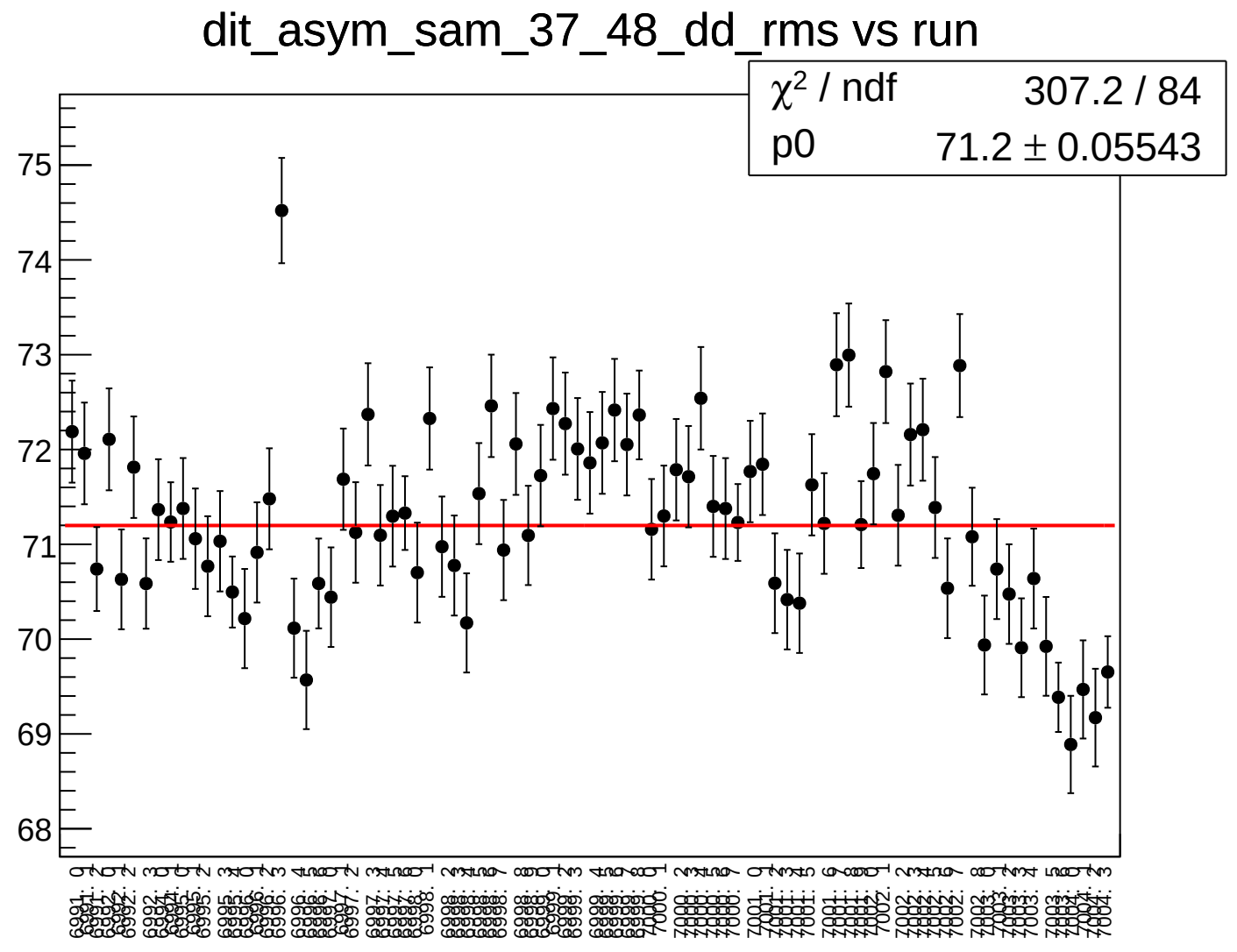

asym_sam_15_48_dd_mean vs run
χ² / ndf 75.93 / 84
p0 −574.5 ± 589.4
pull
Entries 85
Mean −1051
Std Dev 1093

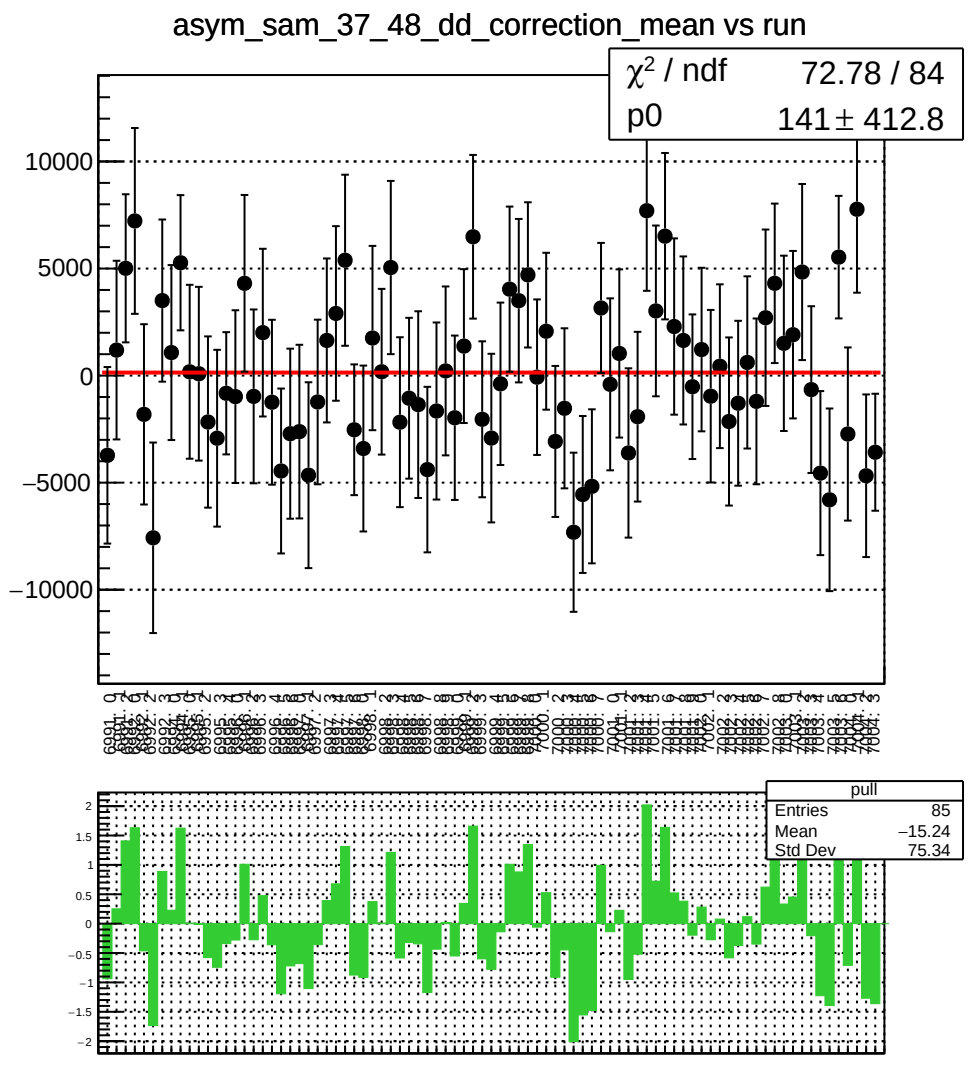

pull1D
Entries 85
Mean −0.002116
Std Dev 0.9452

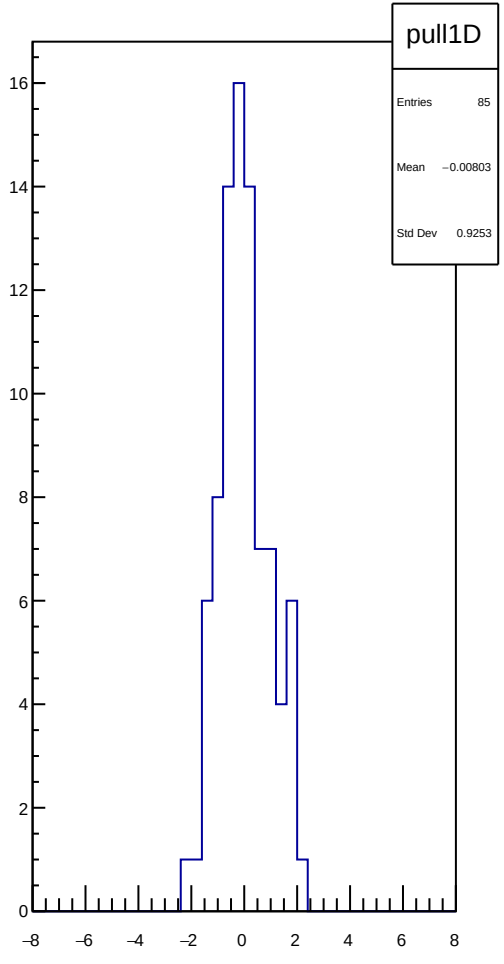

asym_sam_15_48_dd_rms vs run
χ² / ndf 3998 / 84
p0 534.7 ± 0.4167
620
600
580
560
540
520
500
480

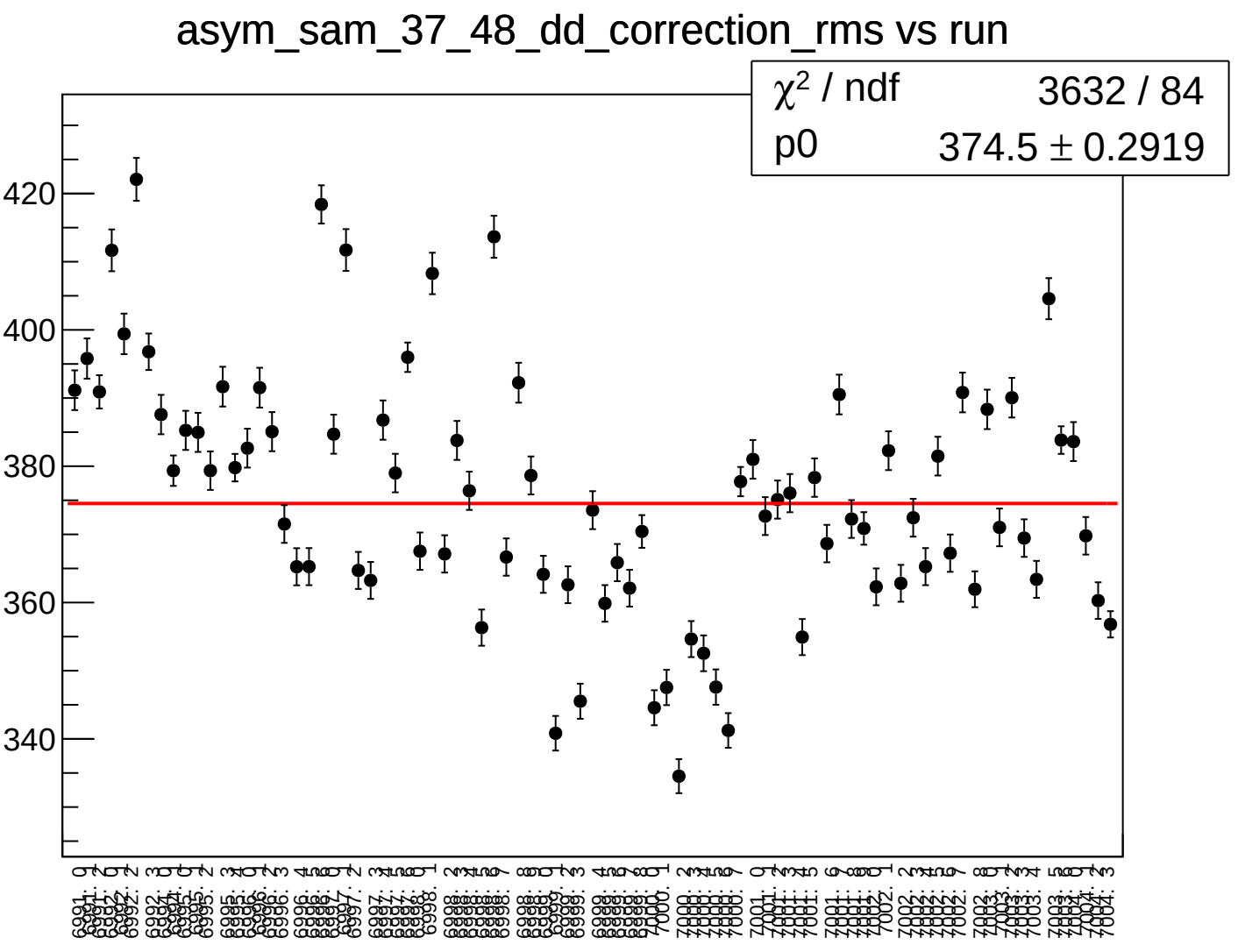

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 72.22 / 84
p0 −56.48 ± 78.4
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −829.1
Std Dev 857.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2

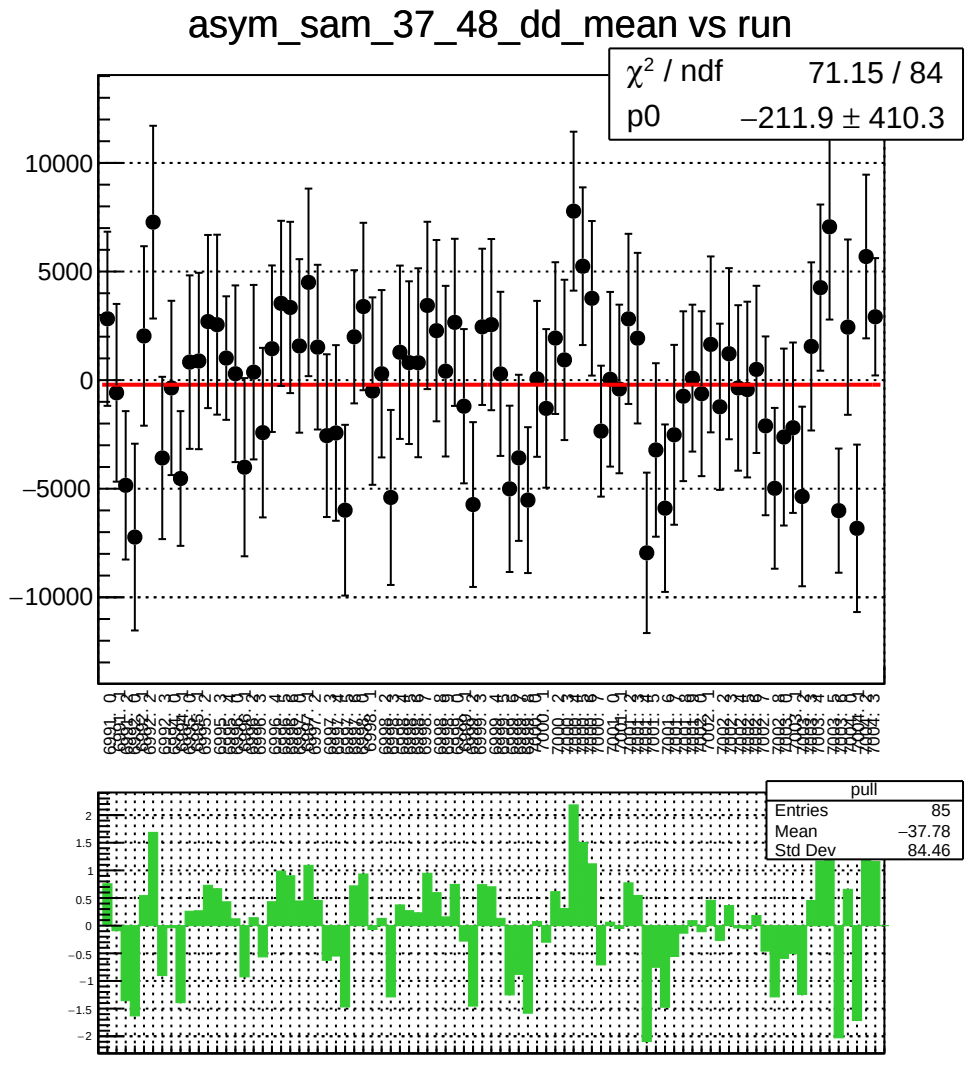

pull1D
Entries 85
Mean 0.002314
Std Dev 0.9217
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

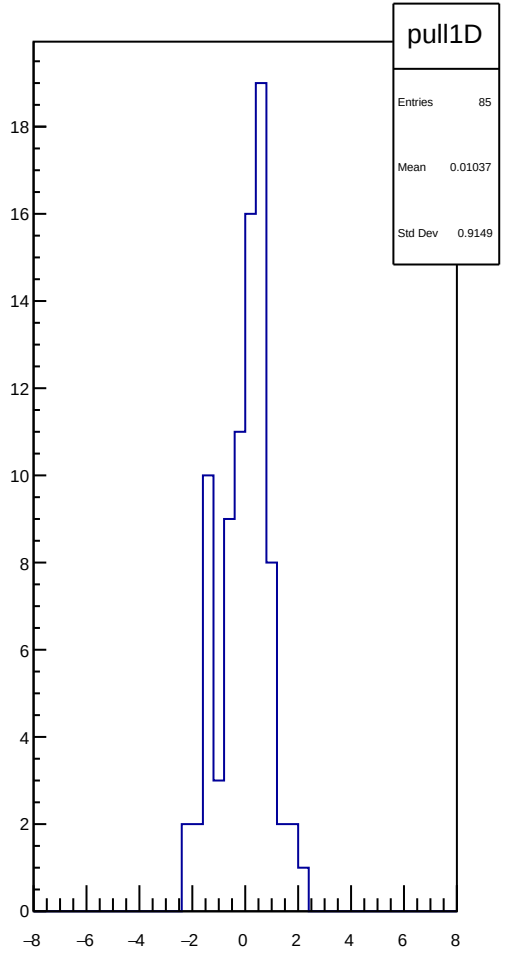

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 307.2 / 84
p0 71.2 ± 0.05543
75
74
73
72
71
70
69
68

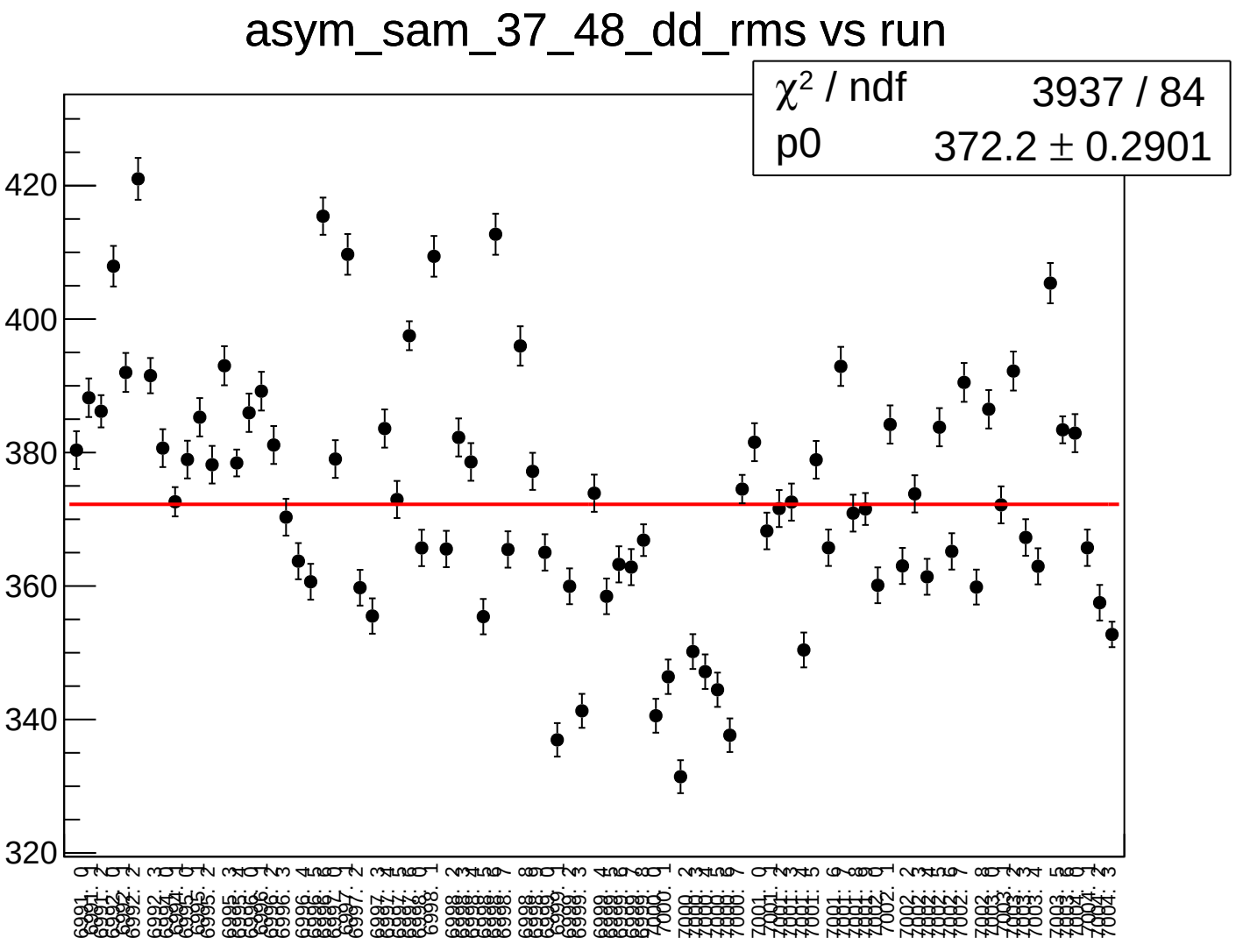

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 72.78 / 84
p0 141 ± 412.8
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −15.24
Std Dev 75.34
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

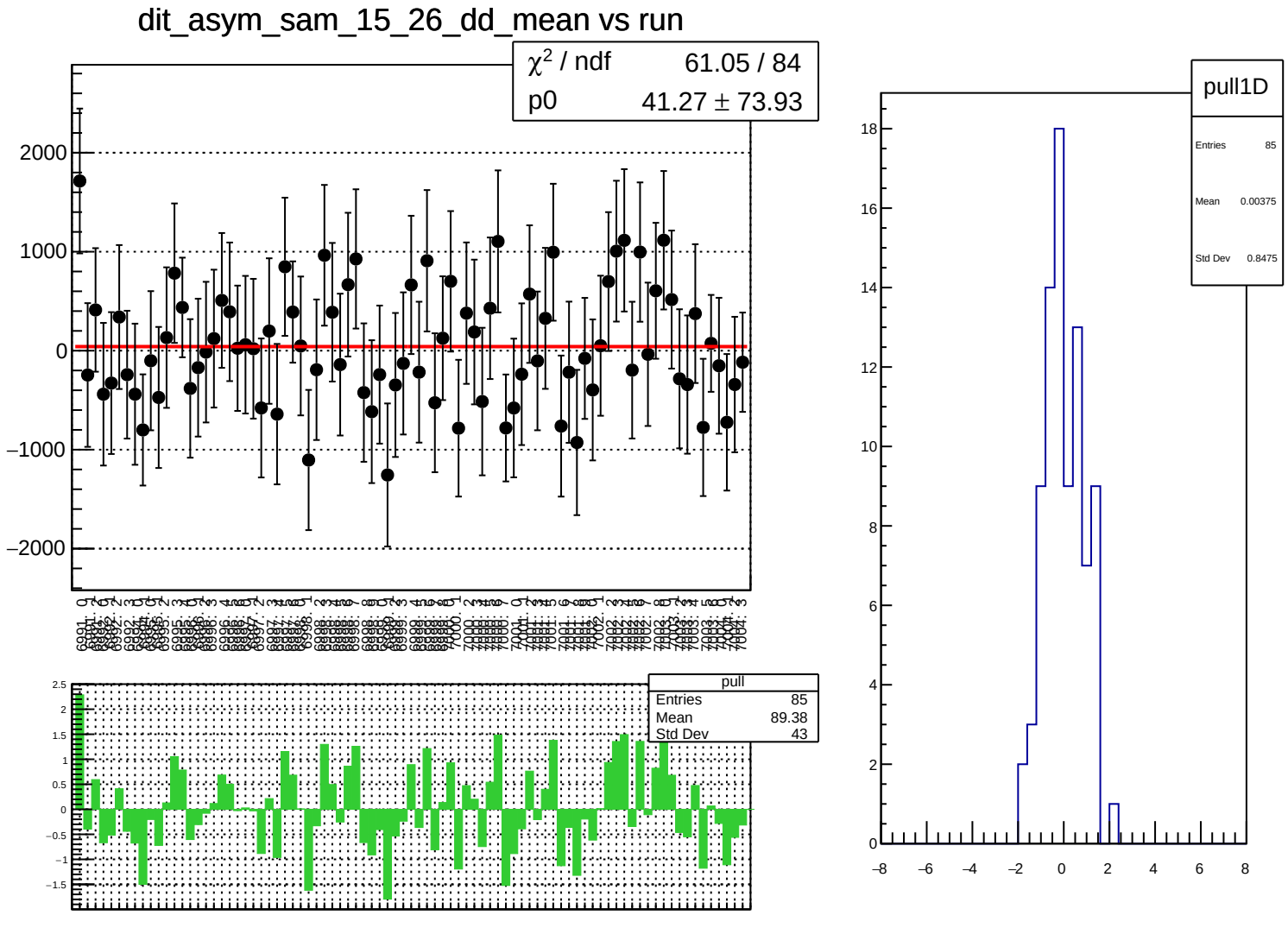

pull1D
Entries 85
Mean −0.00803
Std Dev 0.9253
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

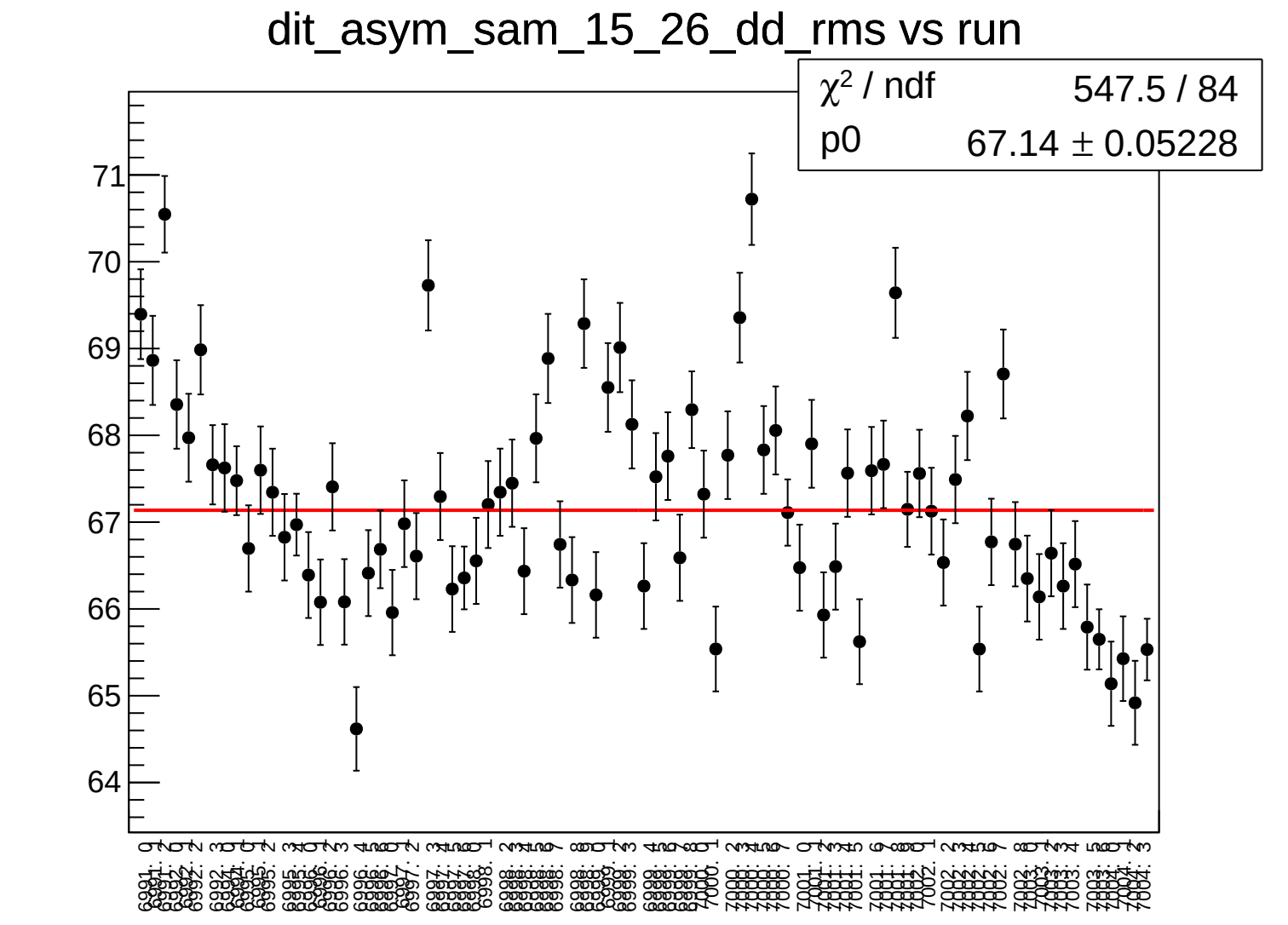

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3632 / 84
p0 374.5 ± 0.2919
420
400
380
360
340

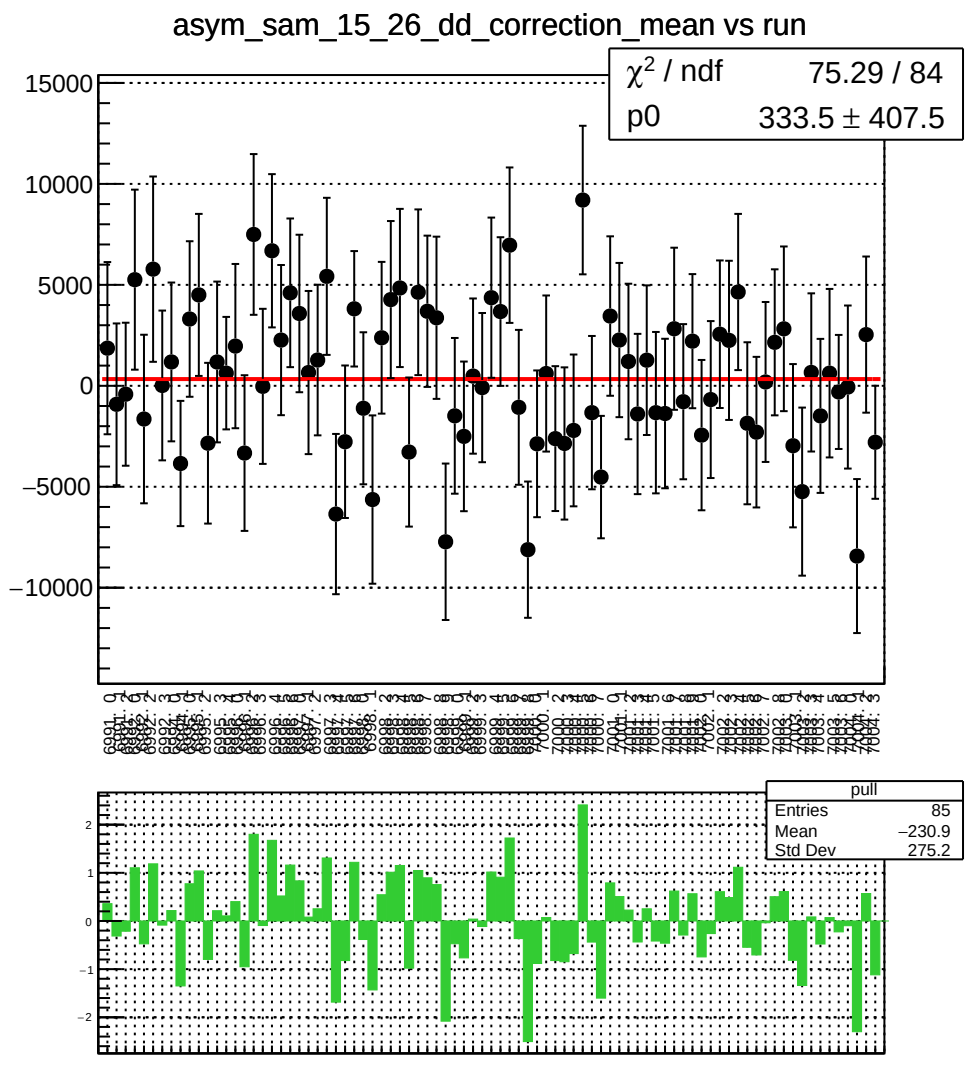

asym_sam_37_48_dd_mean vs run
χ² / ndf 71.15 / 84
p0 −211.9 ± 410.3
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −37.78
Std Dev 84.46
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

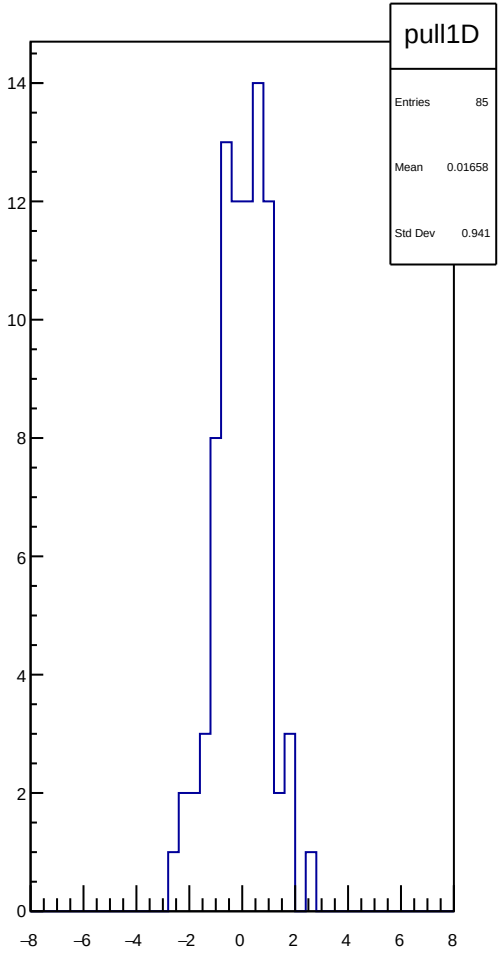

pull1D
Entries 85
Mean 0.01037
Std Dev 0.9149
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

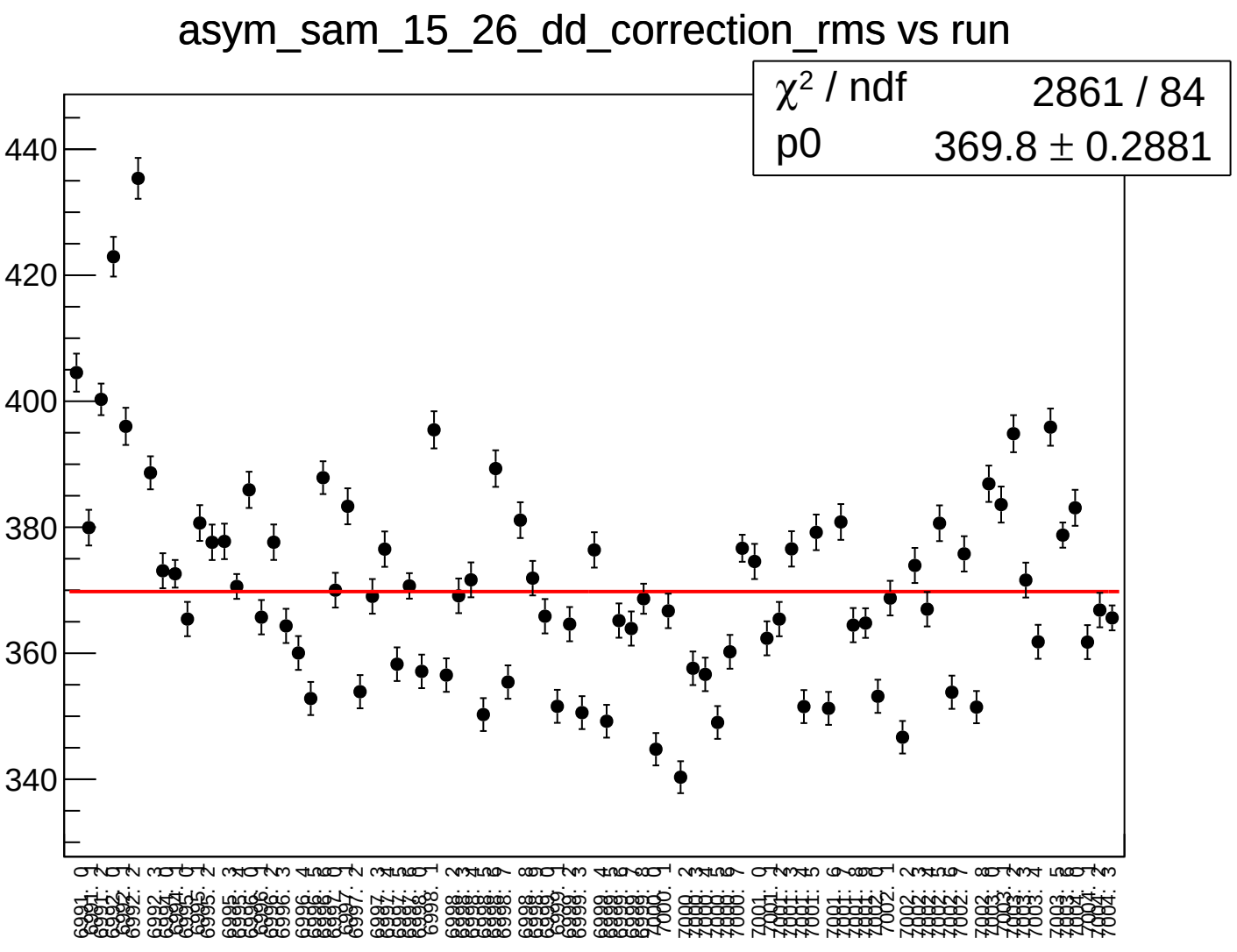

asym_sam_37_48_dd_rms vs run
χ² / ndf 3937 / 84
p0 372.2 ± 0.2901
420
400
380
360
340
320

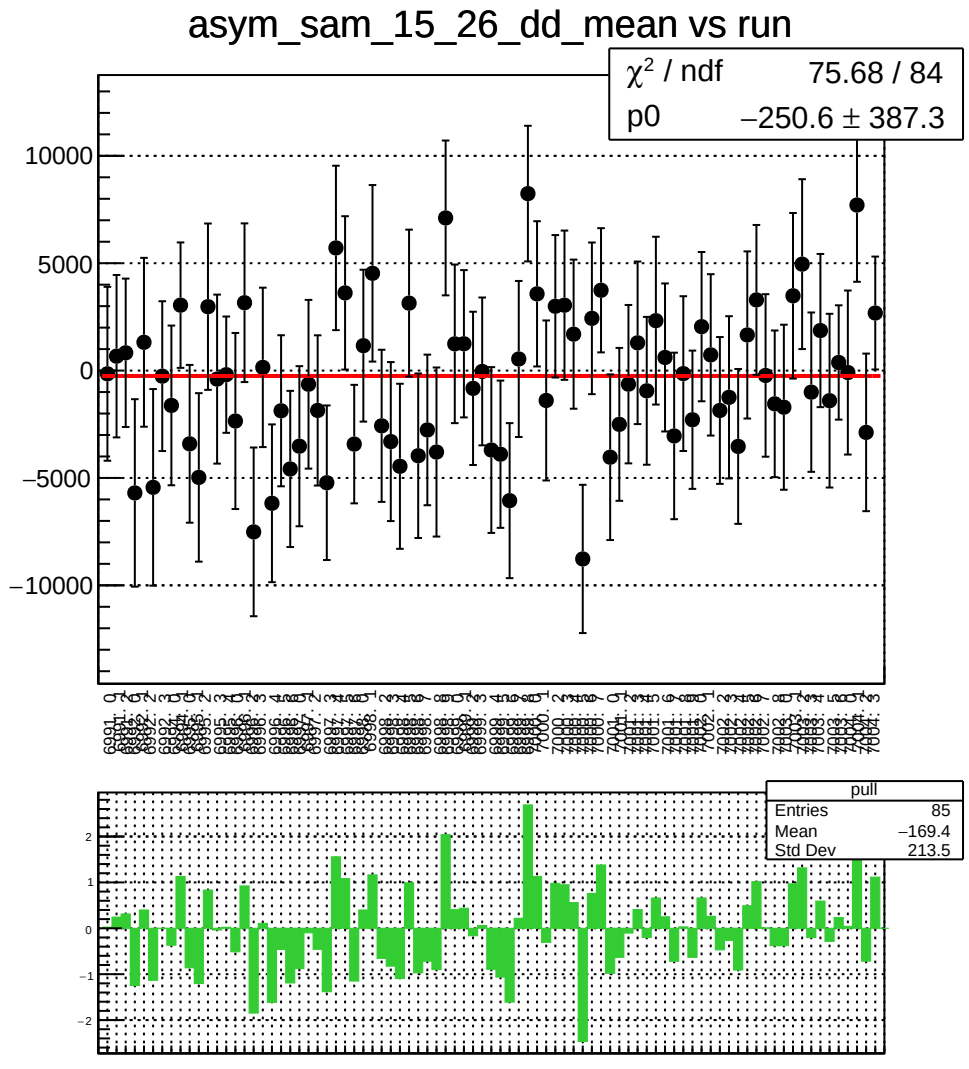

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 61.05 / 84
p0 41.27 ± 73.93
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 89.38
Std Dev 43
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean 0.00375
Std Dev 0.8475
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

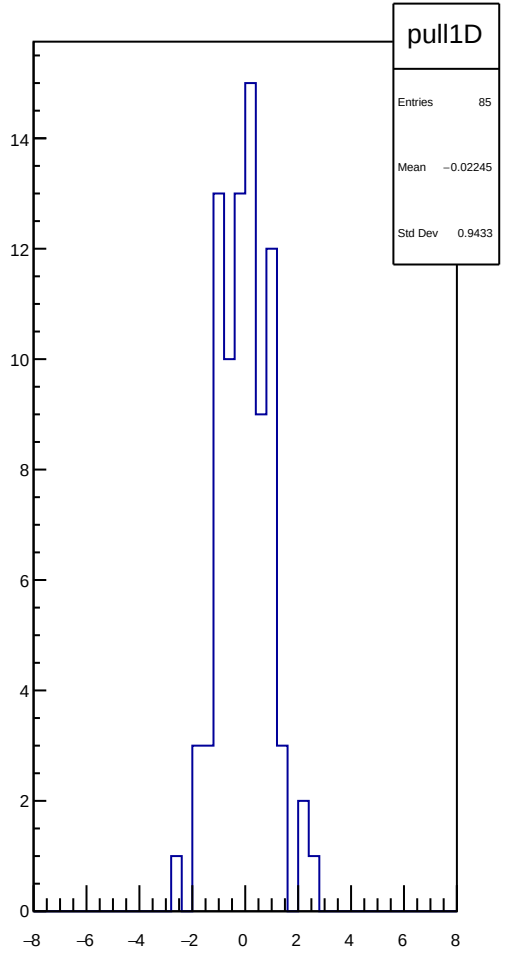

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 547.5 / 84
p0 67.14 ± 0.05228
71
70
69
68
67
66
65
64

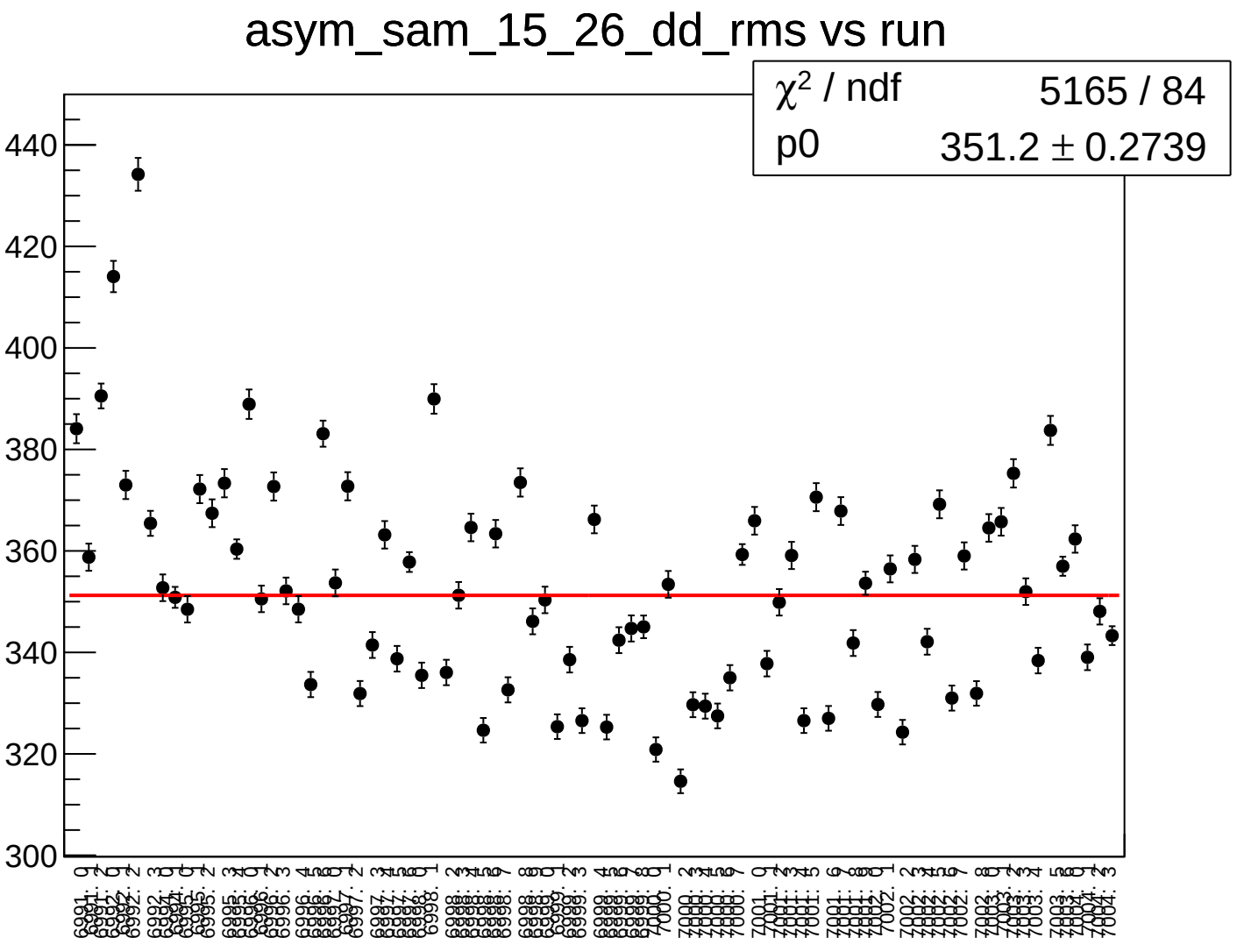

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 75.29 / 84
p0 333.5 ± 407.5
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −230.9
Std Dev 275.2
2
1
0
−1
−2

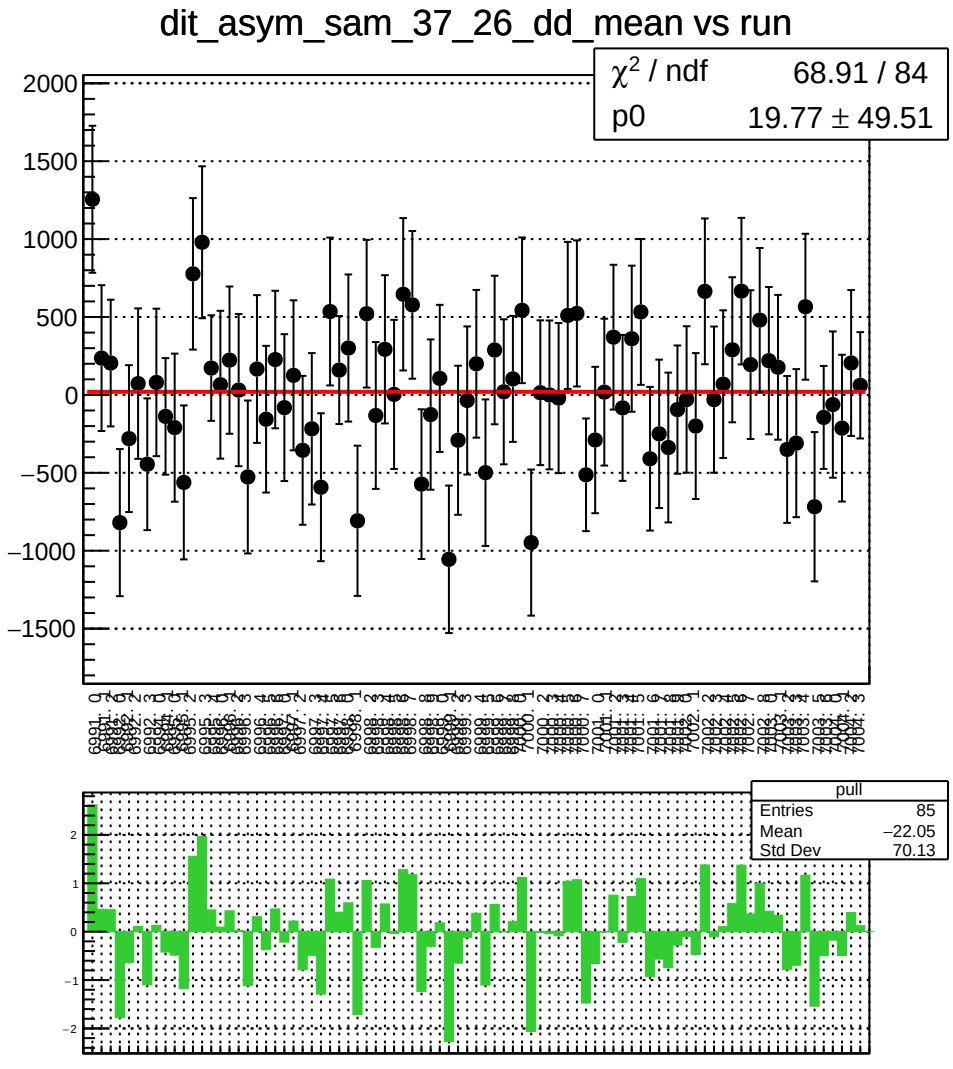

pull1D
Entries 85
Mean 0.01658
Std Dev 0.941
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

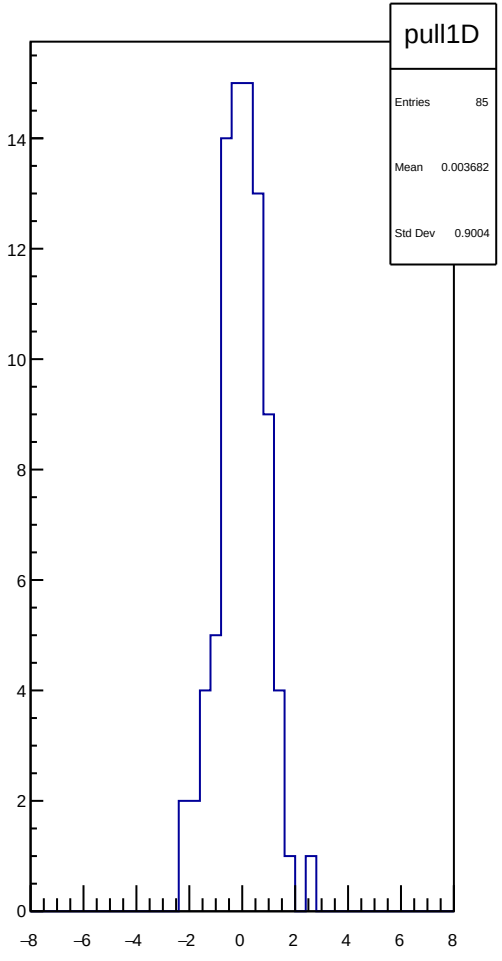

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 2861 / 84
p0 369.8 ± 0.2881
440
420
400
380
360
340

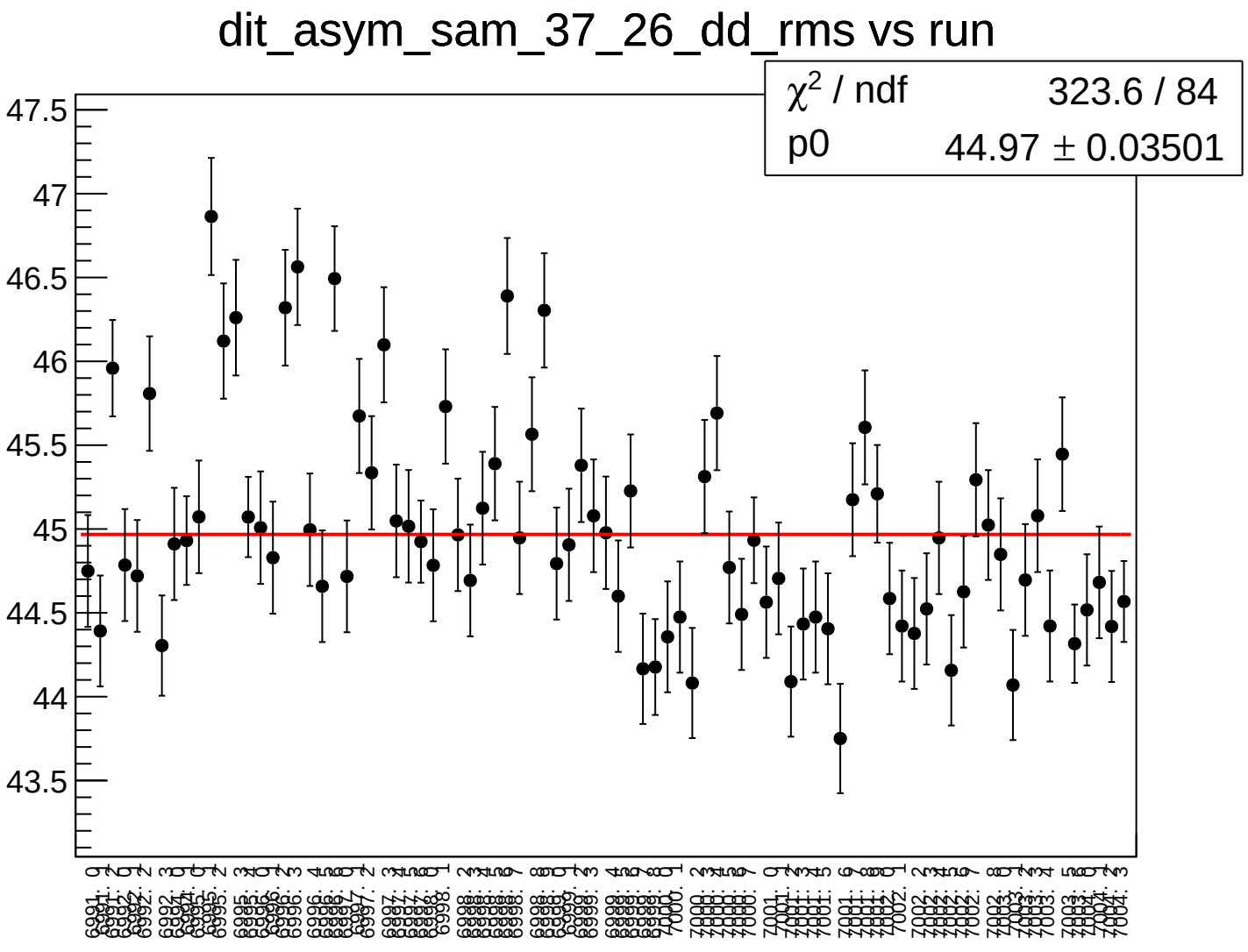

asym_sam_15_26_dd_mean vs run
χ² / ndf 75.68 / 84
p0 −250.6 ± 387.3
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −169.4
Std Dev 213.5
2
1
0
−1
−2

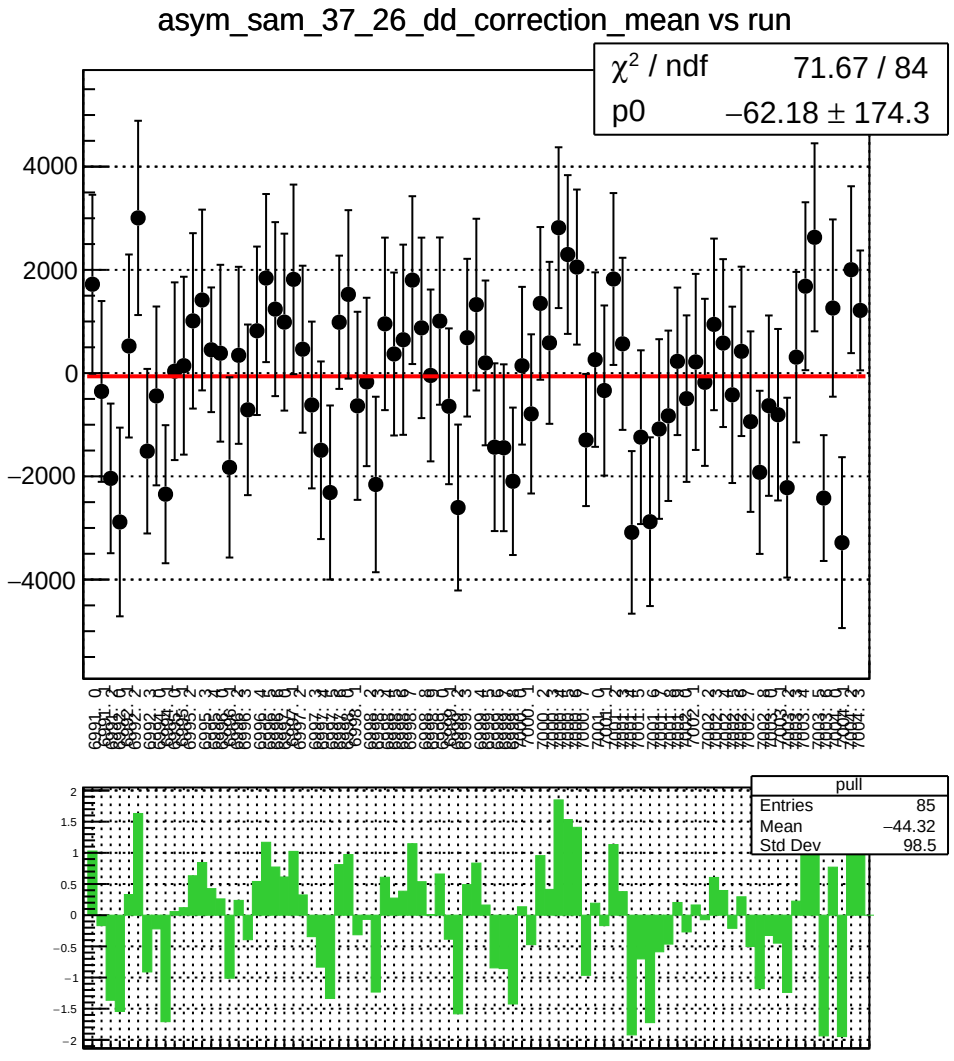

pull1D
Entries 85
Mean −0.02245
Std Dev 0.9433
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

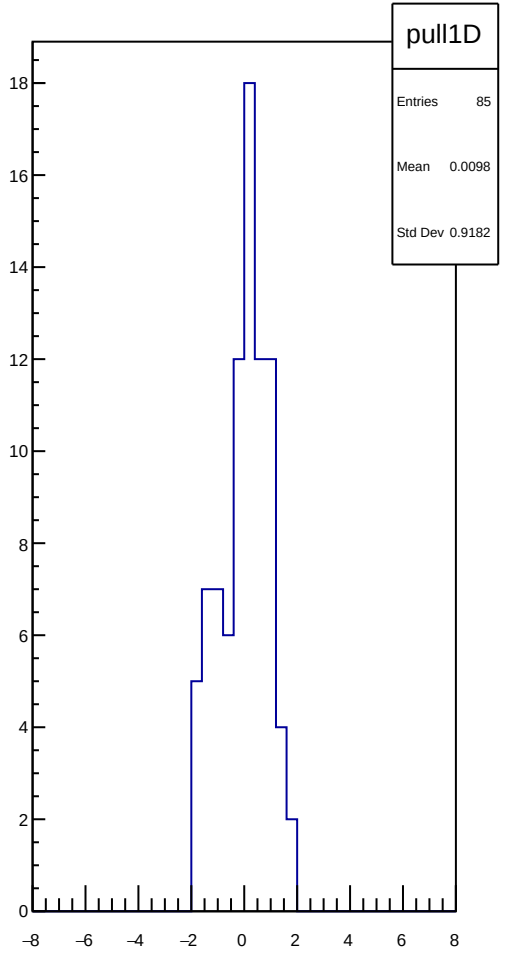

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 5165 / 84
p0 351.2 ± 0.2739
440
420
400
380
360
340
320
300

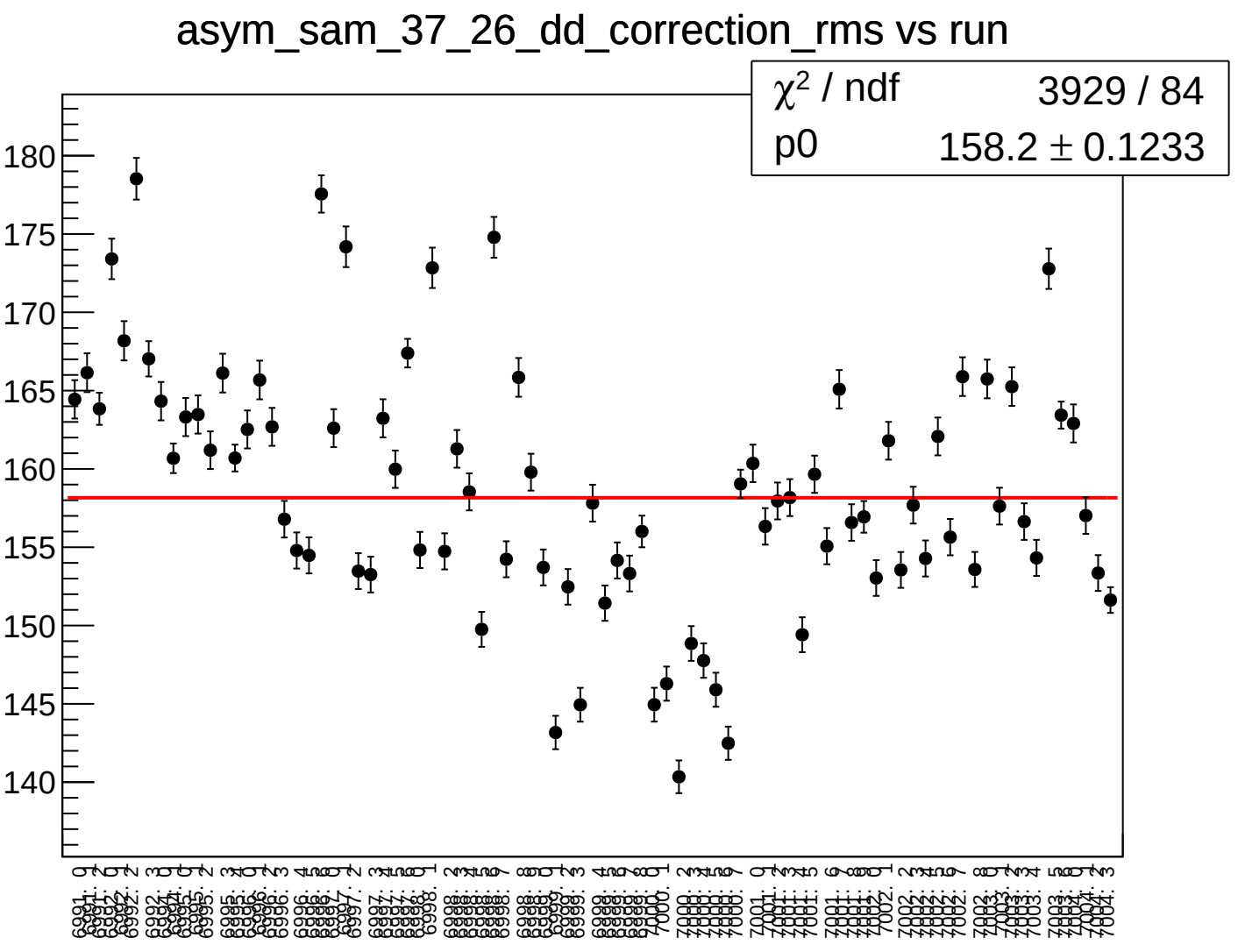

dit_asym_sam_37_26_dd_mean vs run
χ^2 / ndf 68.91 / 84
p0 19.77 ± 49.51
pull
Entries 85
Mean −22.05
Std Dev 70.13

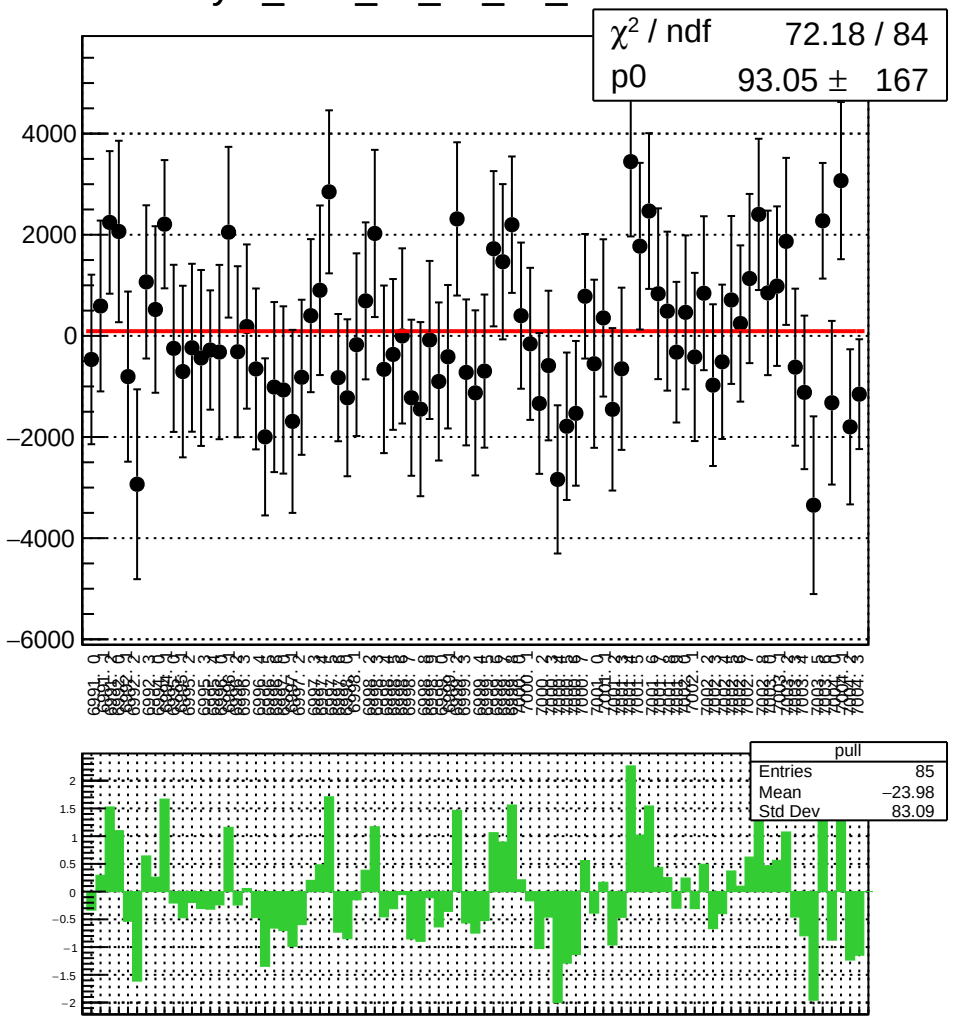

pull1D
Entries 85
Mean 0.003682
Std Dev 0.9004

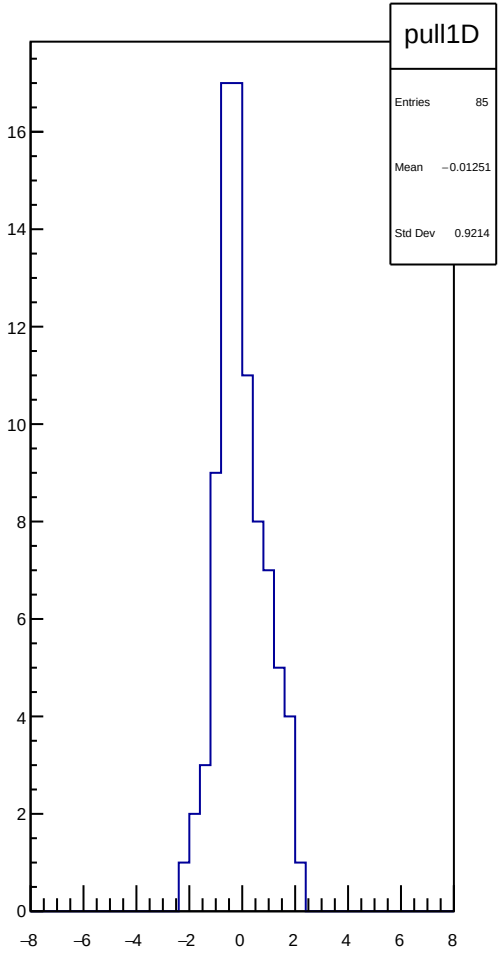

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 323.6 / 84
p0 44.97 ± 0.03501
47.5
47
46.5
46
45.5
45
44.5
44
43.5

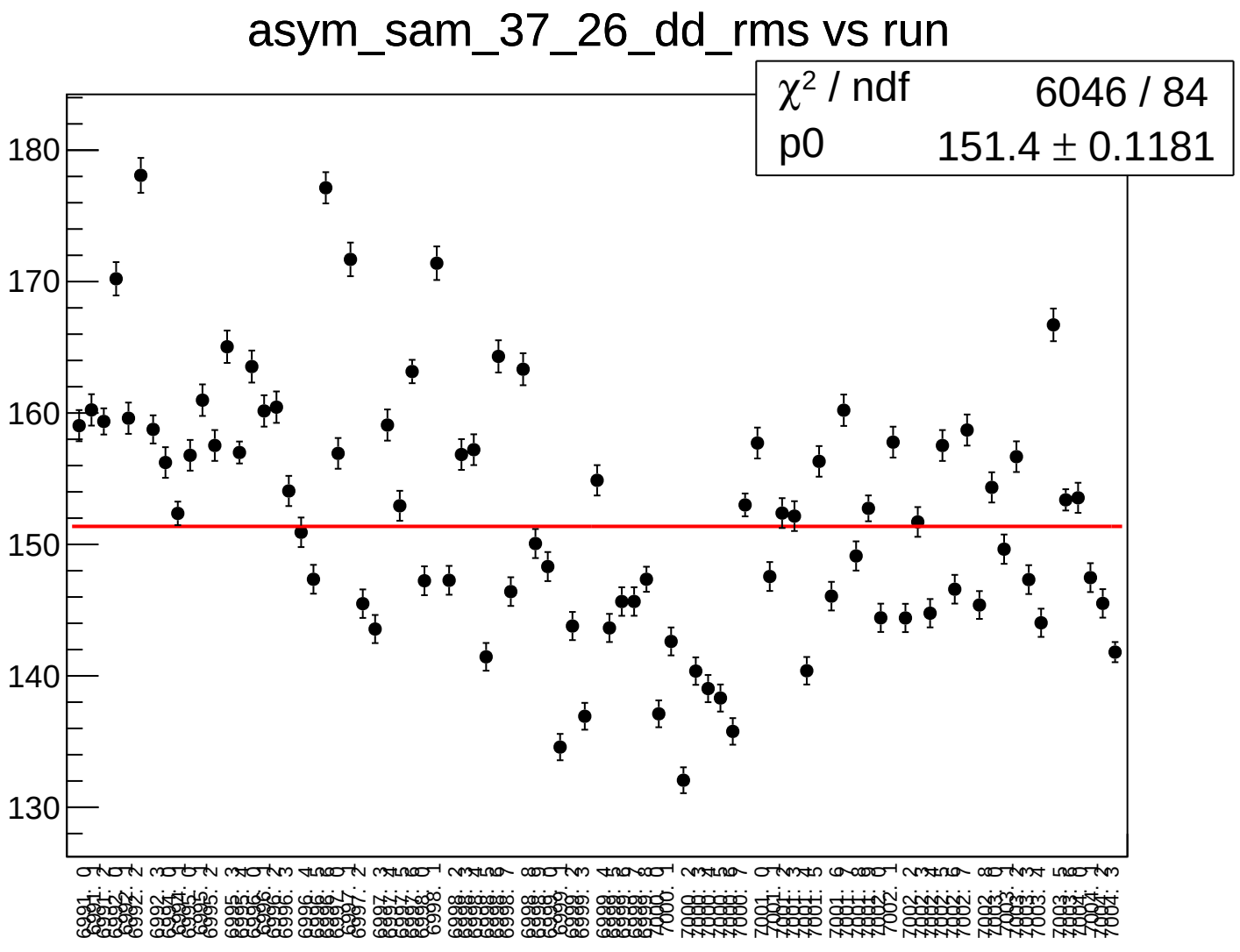

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 71.67 / 84
p0 −62.18 ± 174.3
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −44.32
Std Dev 98.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

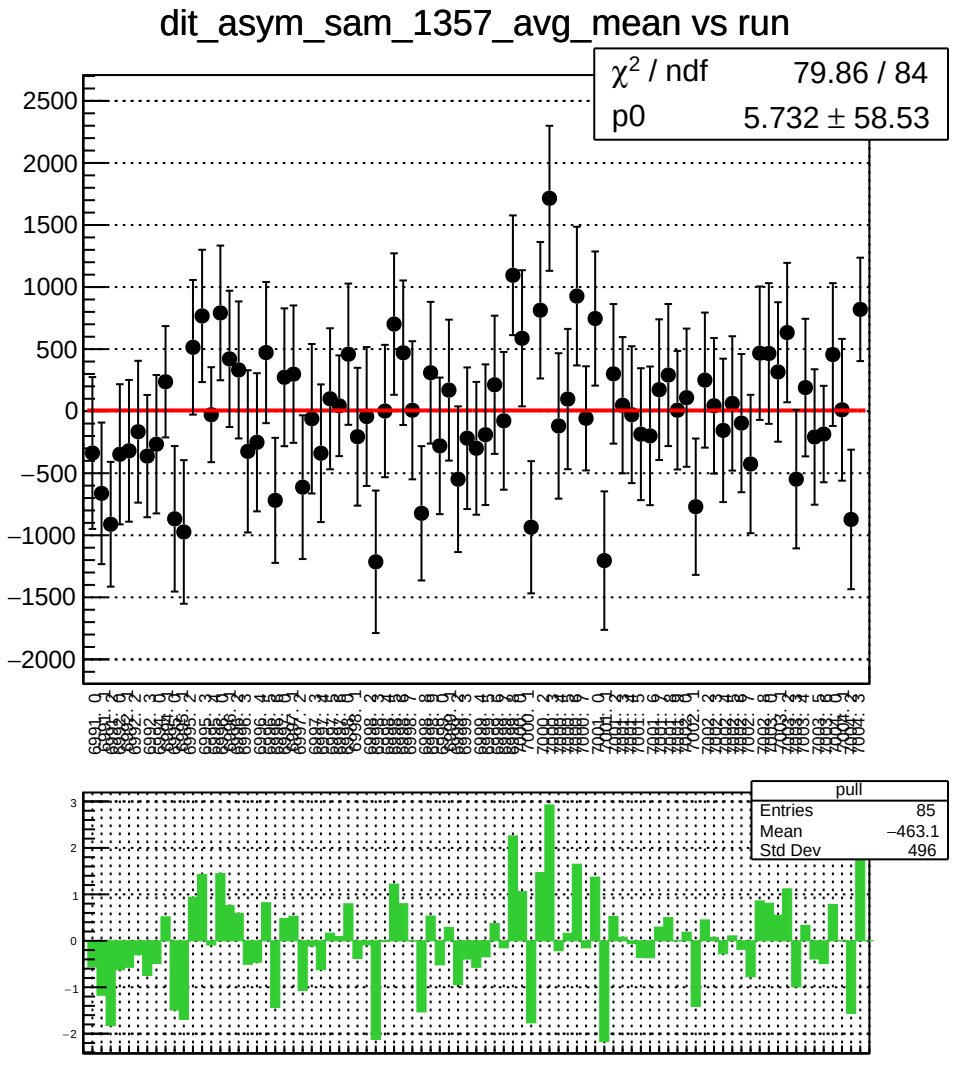

pull1D
Entries 85
Mean 0.0098
Std Dev 0.9182
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

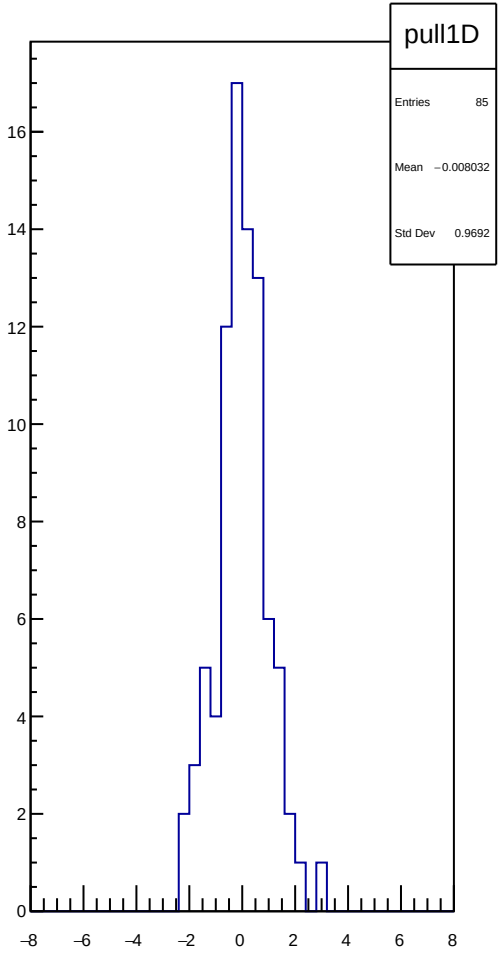

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3929 / 84
p0 158.2 ± 0.1233
180
175
170
165
160
155
150
145
140

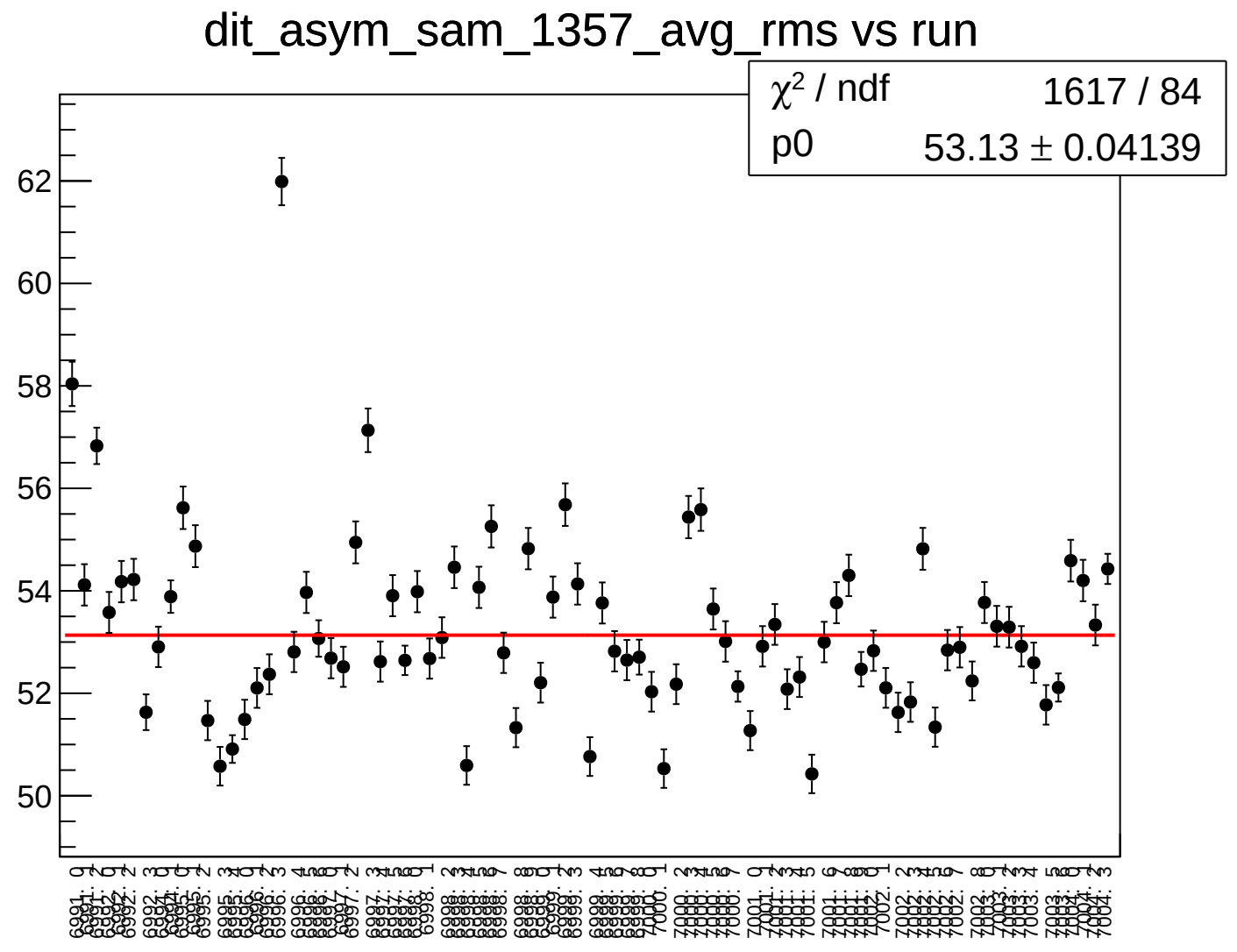

asym_sam_37_26_dd_mean vs run
χ² / ndf 72.18 / 84
p0 93.05 ± 167
pull
Entries 85
Mean −23.98
Std Dev 83.09

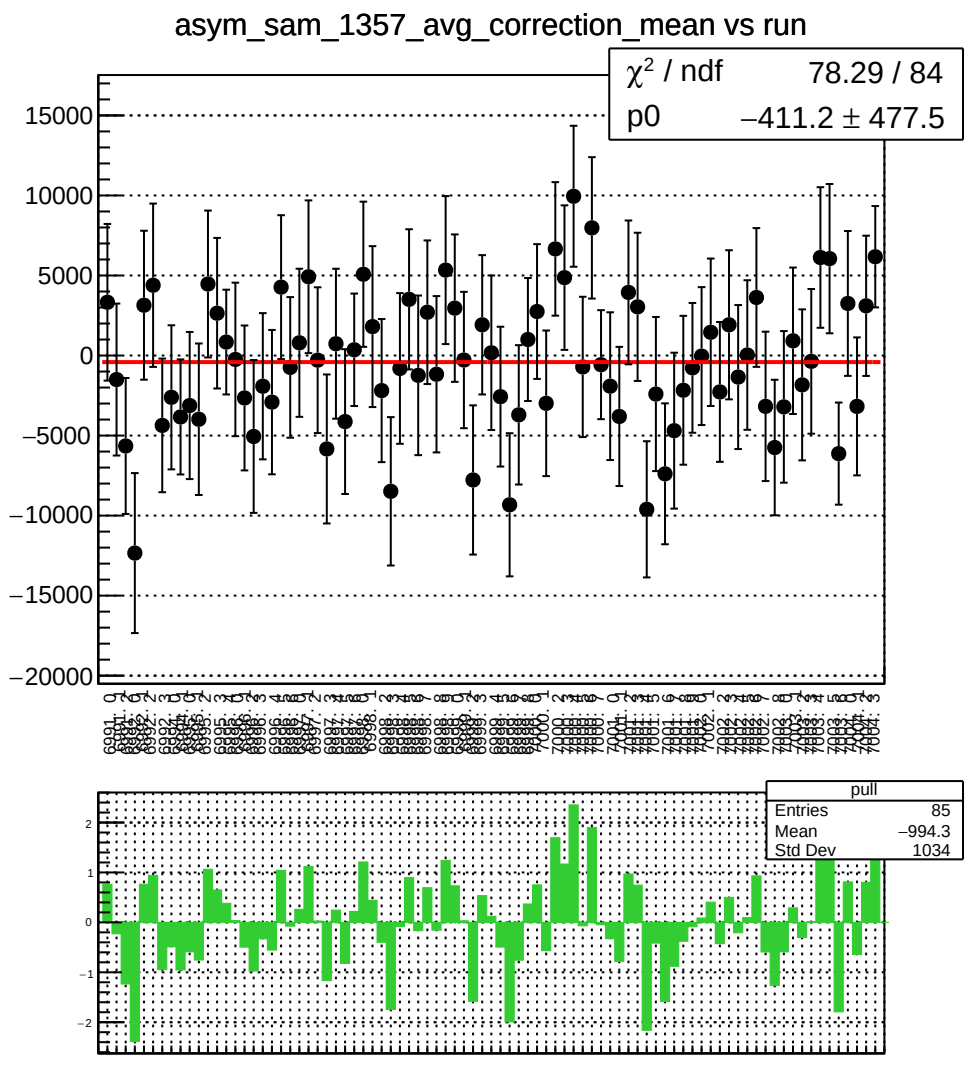

pull1D
Entries 85
Mean −0.01251
Std Dev 0.9214

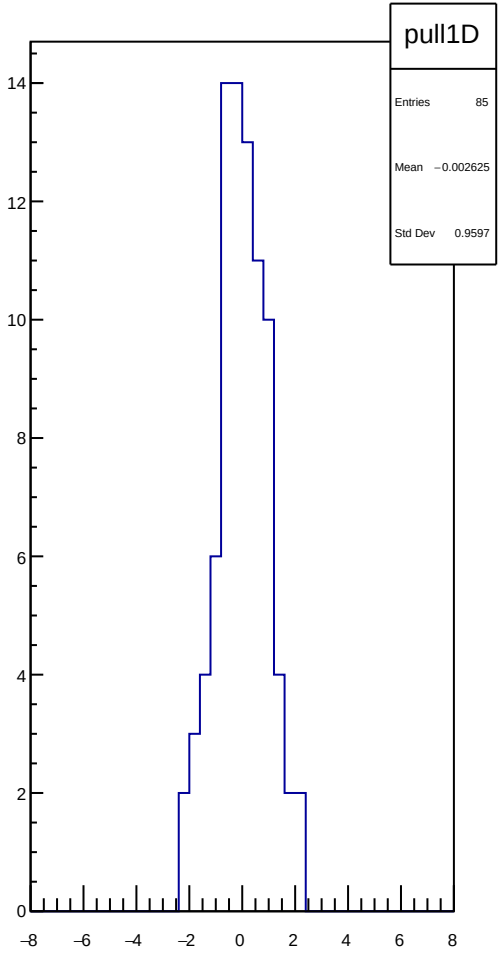

asym_sam_37_26_dd_rms vs run
χ² / ndf 6046 / 84
p0 151.4 ± 0.1181
180
170
160
150
140
130

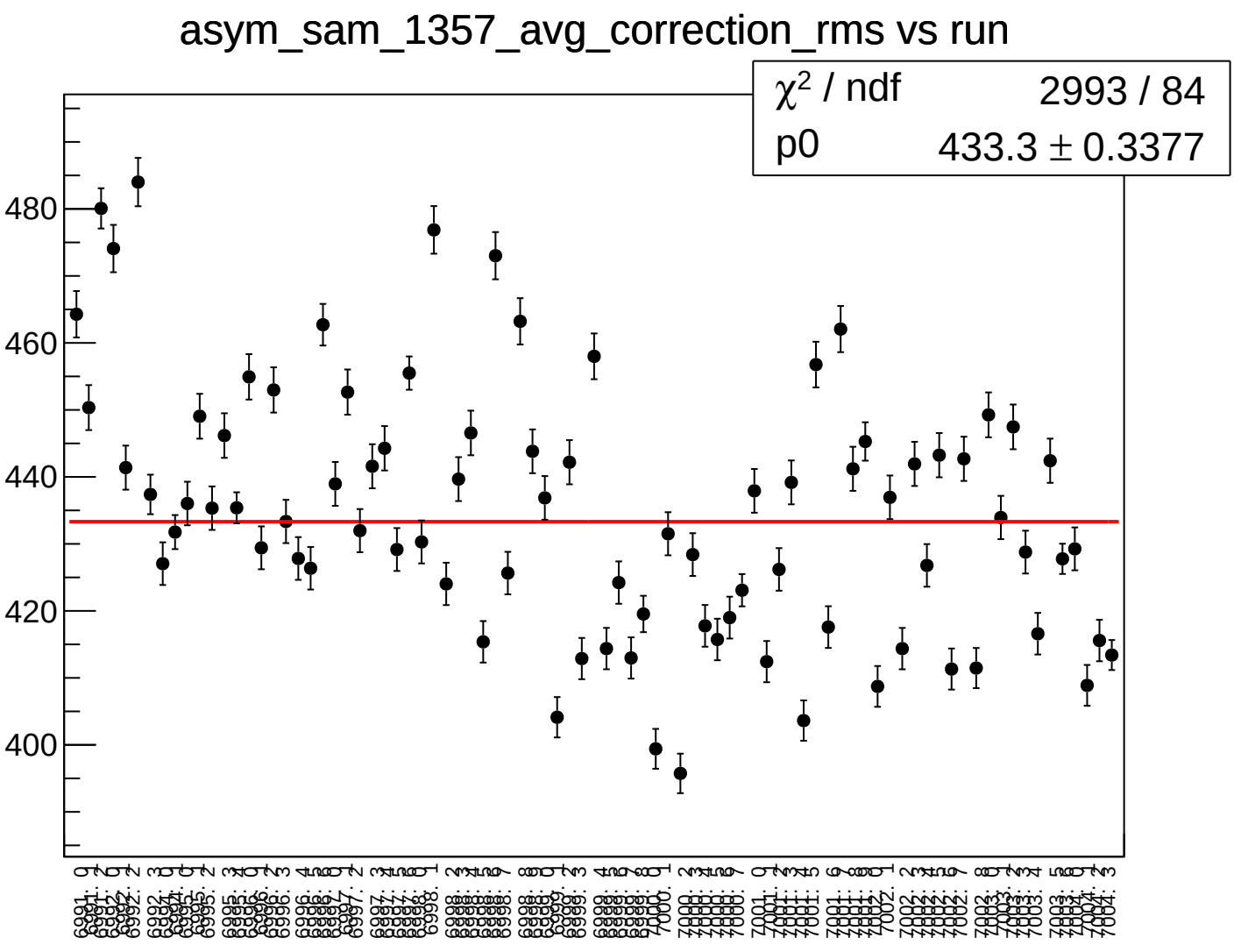

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 79.86 / 84
p0 5.732 ± 58.53
pull
Entries 85
Mean −463.1
Std Dev 496

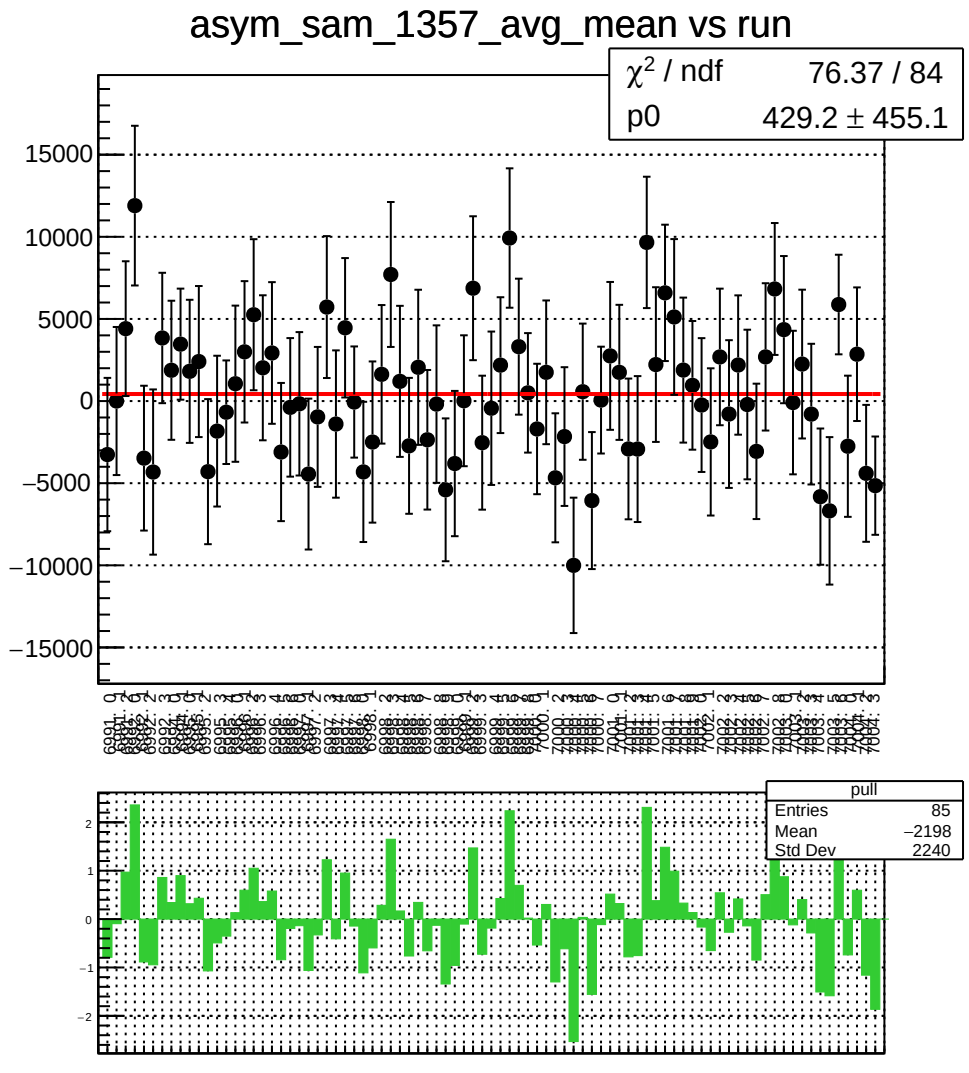

pull1D
Entries 85
Mean −0.008032
Std Dev 0.9692

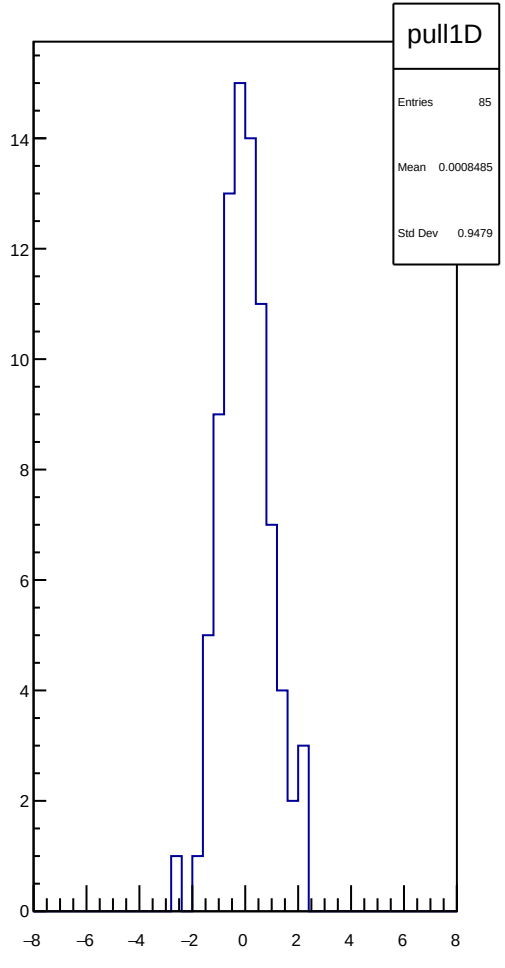

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 1617 / 84
p0 53.13 ± 0.04139
62
60
58
56
54
52
50

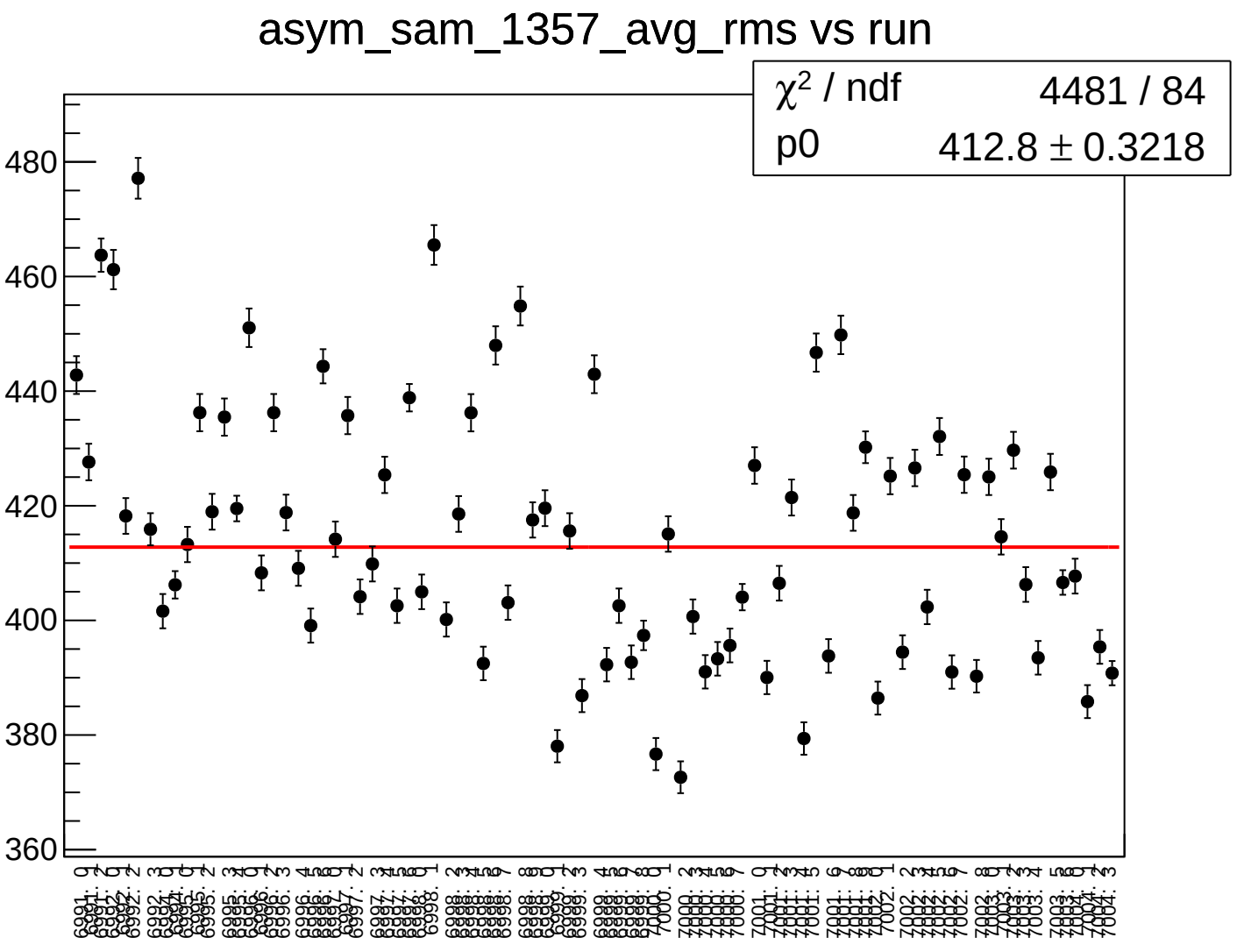

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 78.29 / 84
p0 −411.2 ± 477.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 85
Mean −994.3
Std Dev 1034
2
1
0
−1
−2

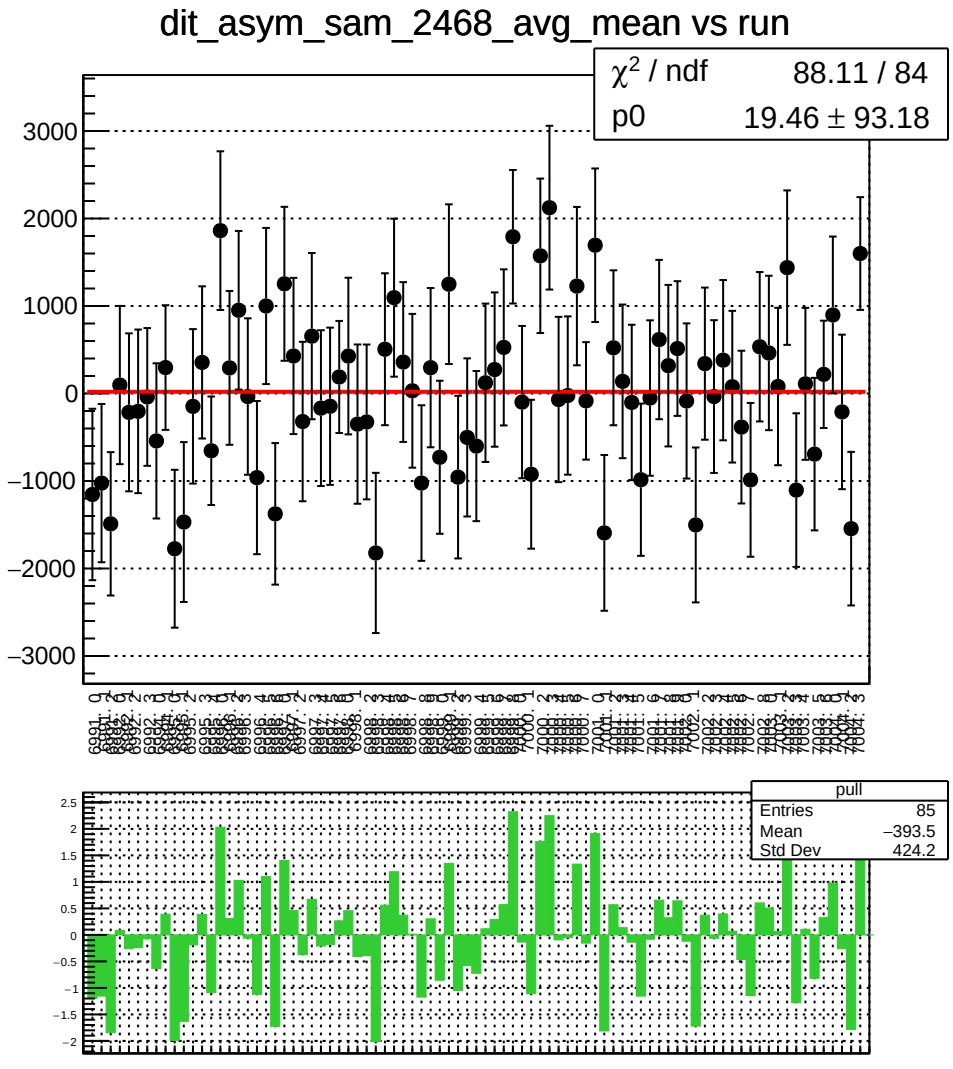

pull1D
Entries 85
Mean −0.002625
Std Dev 0.9597
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

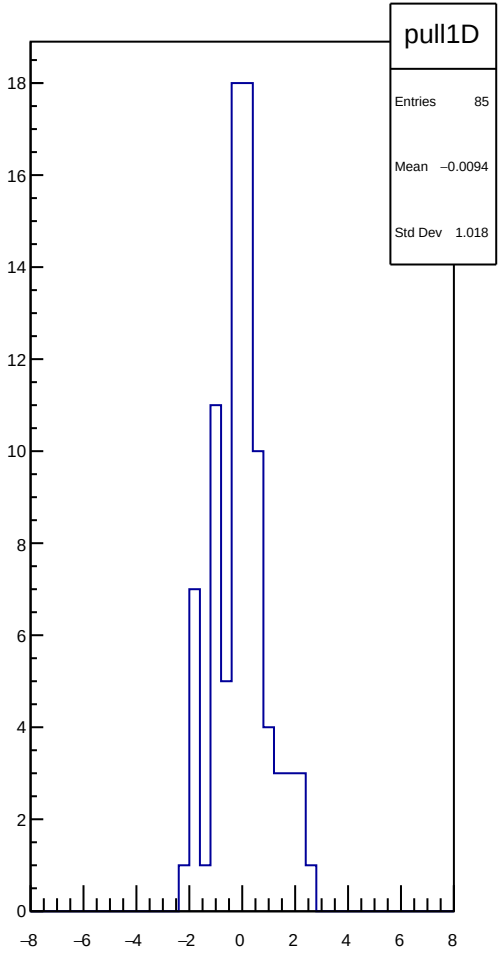

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2993 / 84
p0 433.3 ± 0.3377
480
460
440
420
400

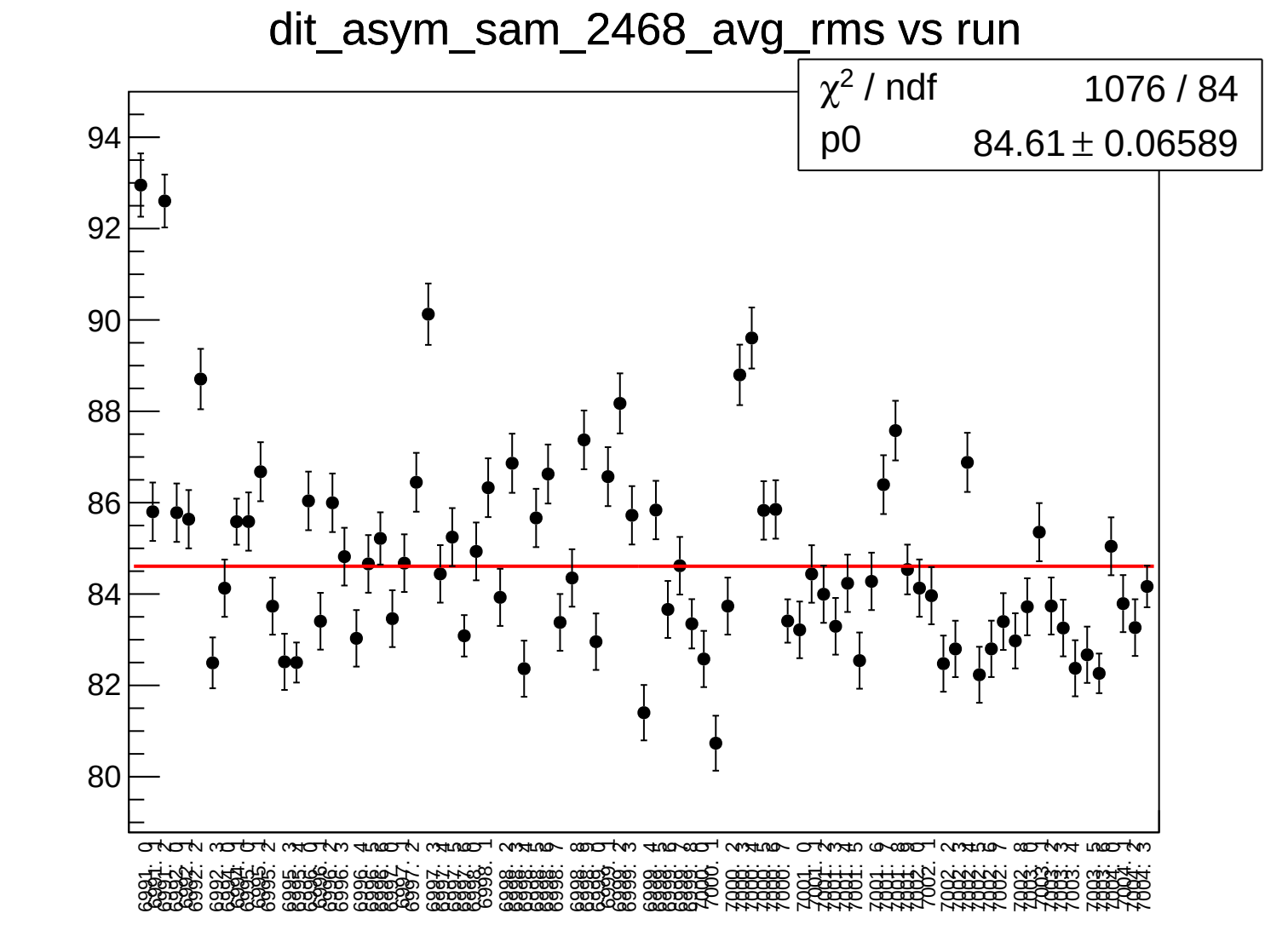

asym_sam_1357_avg_mean vs run
χ² / ndf 76.37 / 84
p0 429.2 ± 455.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −2198
Std Dev 2240
2
1
0
−1
−2

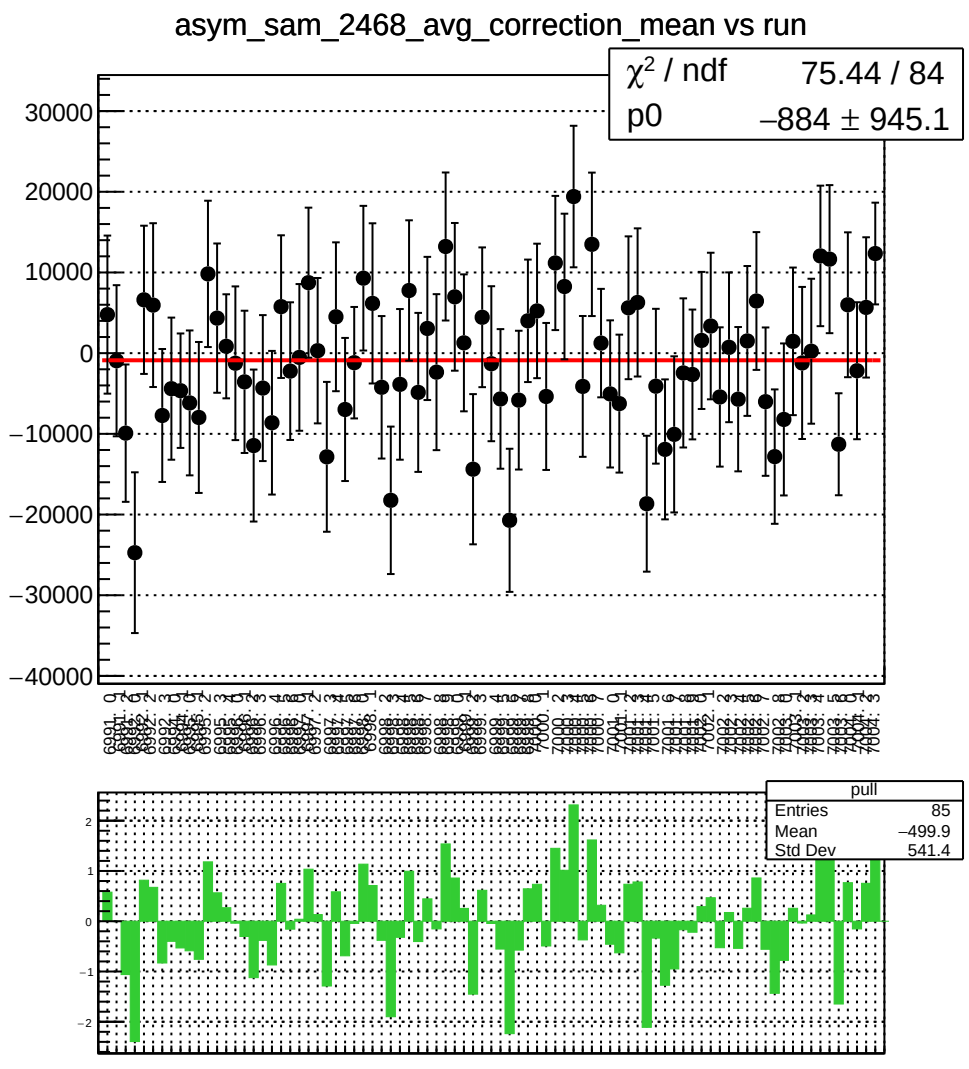

pull1D
Entries 85
Mean 0.0008485
Std Dev 0.9479
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

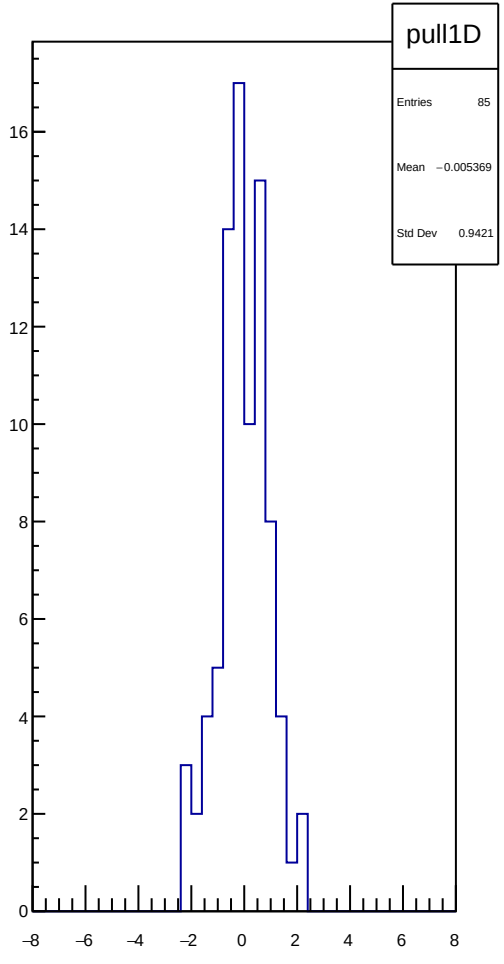

asym_sam_1357_avg_rms vs run
χ² / ndf 4481 / 84
p0 412.8 ± 0.3218
480
460
440
420
400
380
360

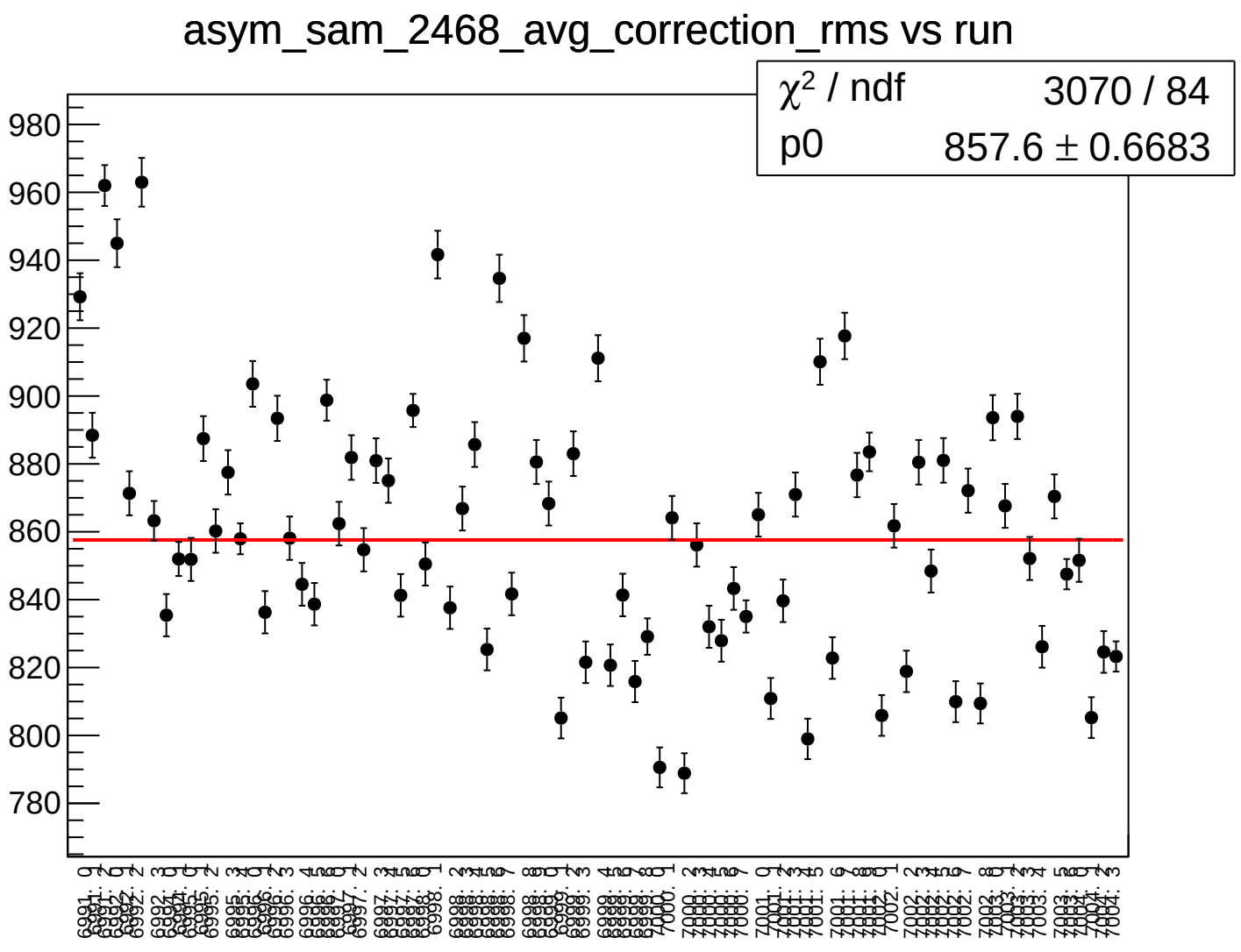

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 88.11 / 84
p0 19.46 ± 93.18
pull
Entries 85
Mean −393.5
Std Dev 424.2

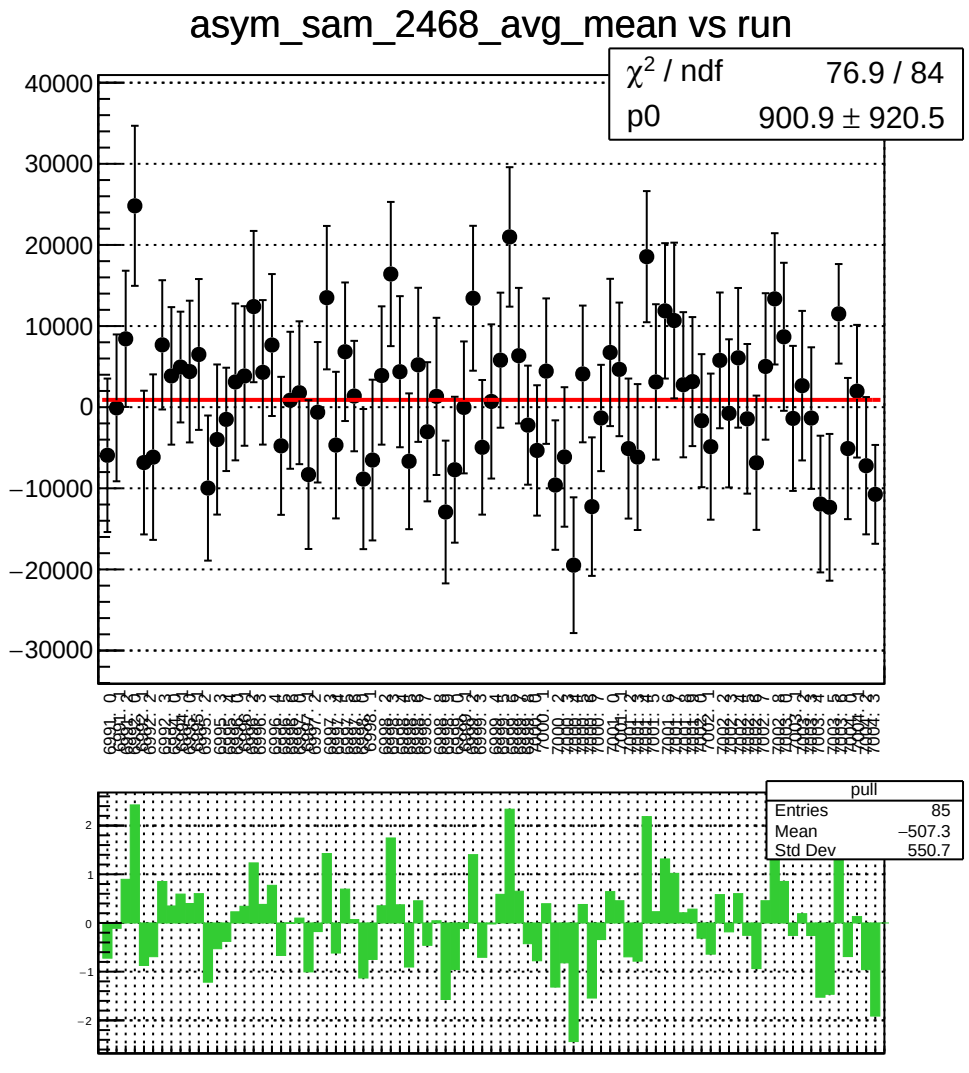

pull1D
Entries 85
Mean −0.0094
Std Dev 1.018

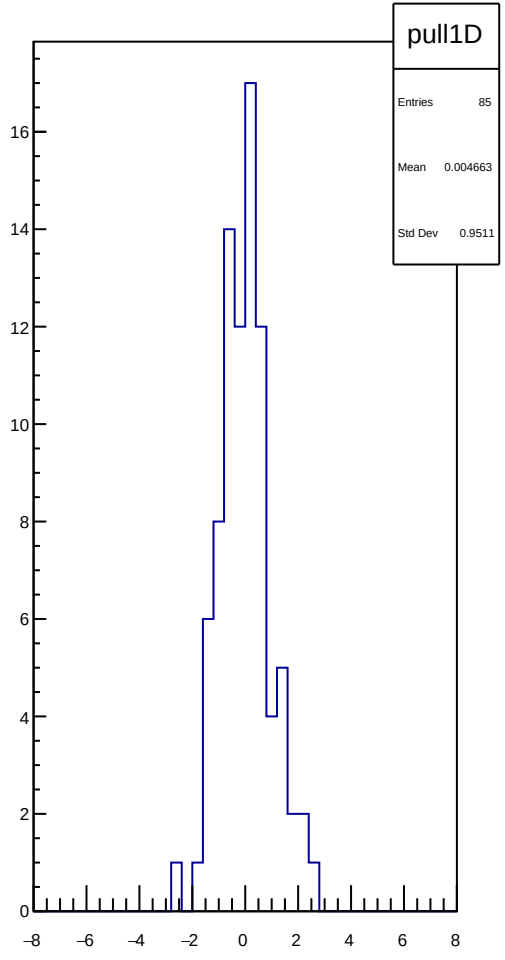

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 1076 / 84
p0 84.61 ± 0.06589
94
92
90
88
86
84
82
80

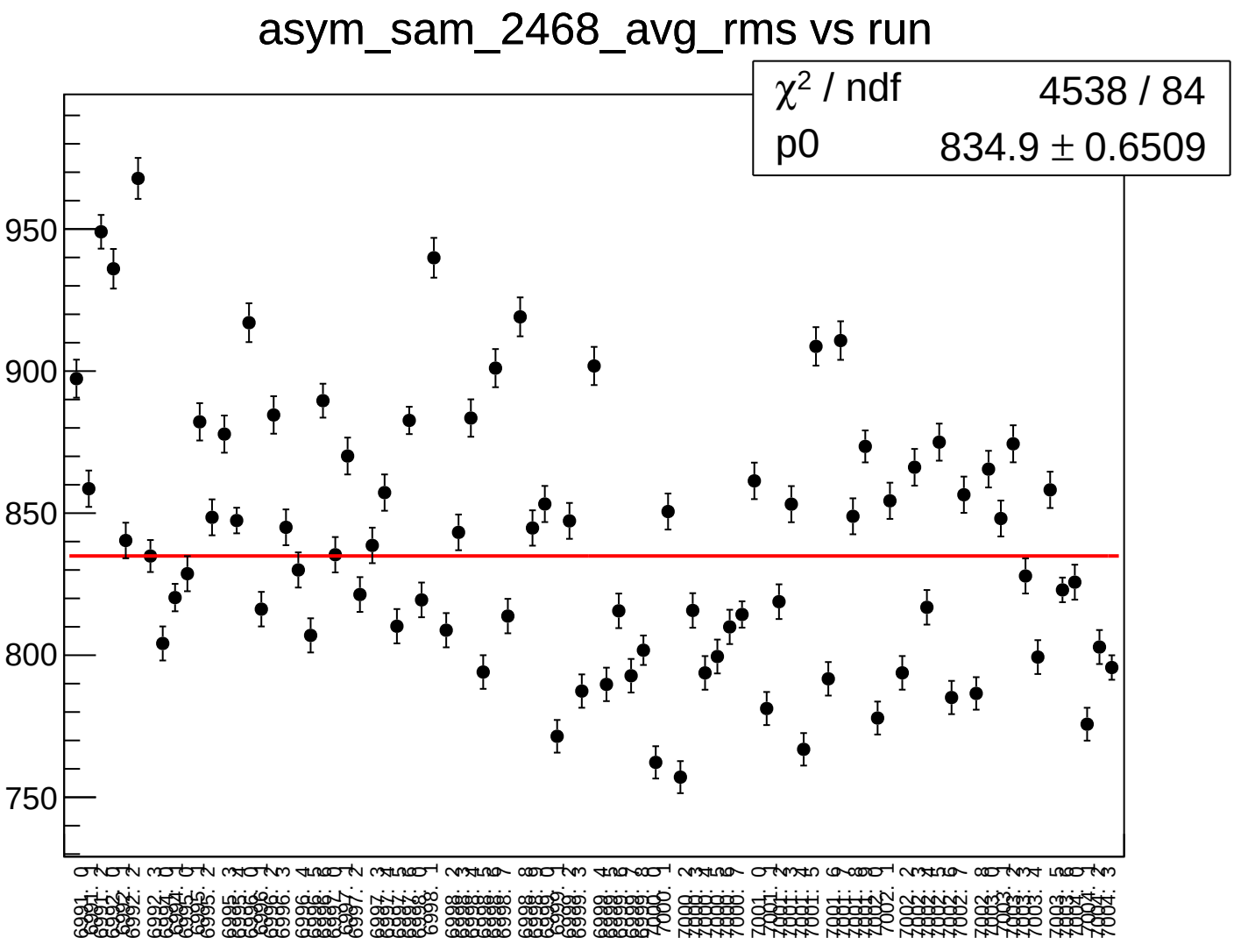

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 75.44 / 84
p0 −884 ± 945.1
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean −499.9
Std Dev 541.4
2
1
0
−1
−2

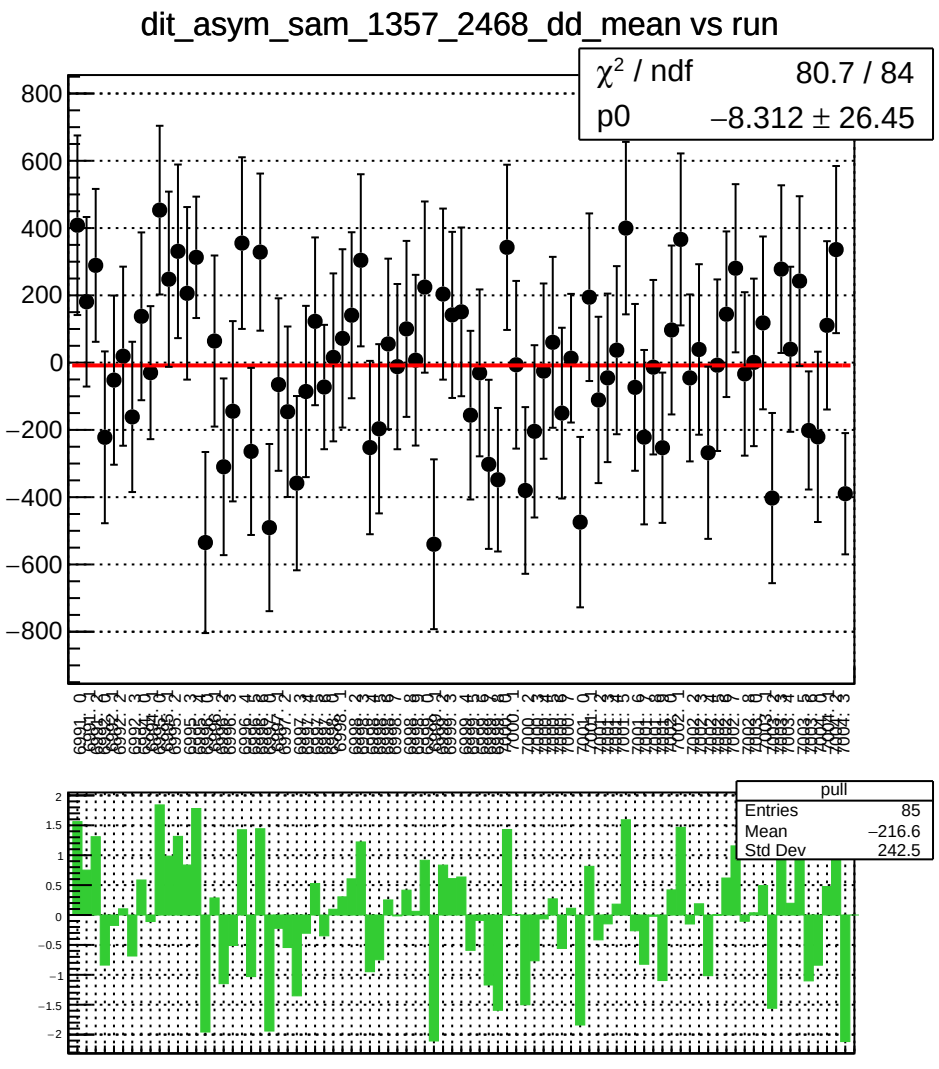

pull1D
Entries 85
Mean −0.005369
Std Dev 0.9421
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

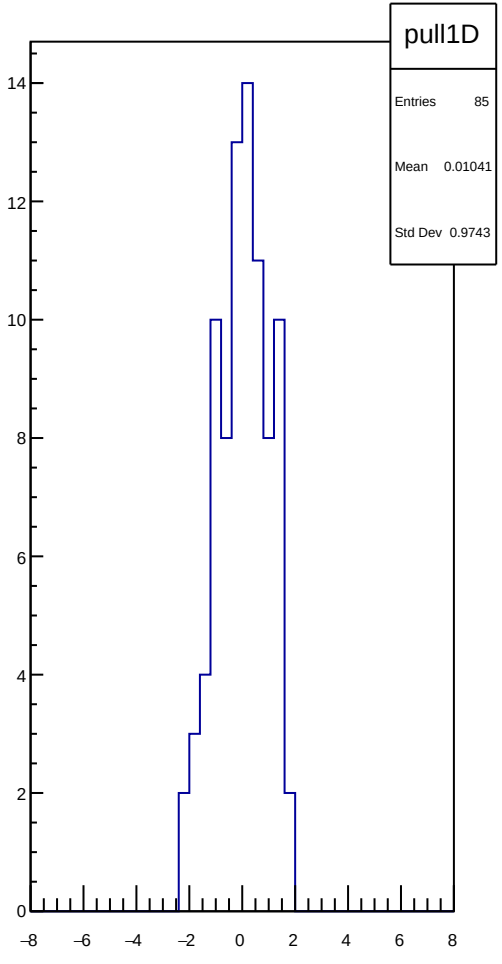

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 3070 / 84
p0 857.6 ± 0.6683
980
960
940
920
900
880
860
840
820
800
780

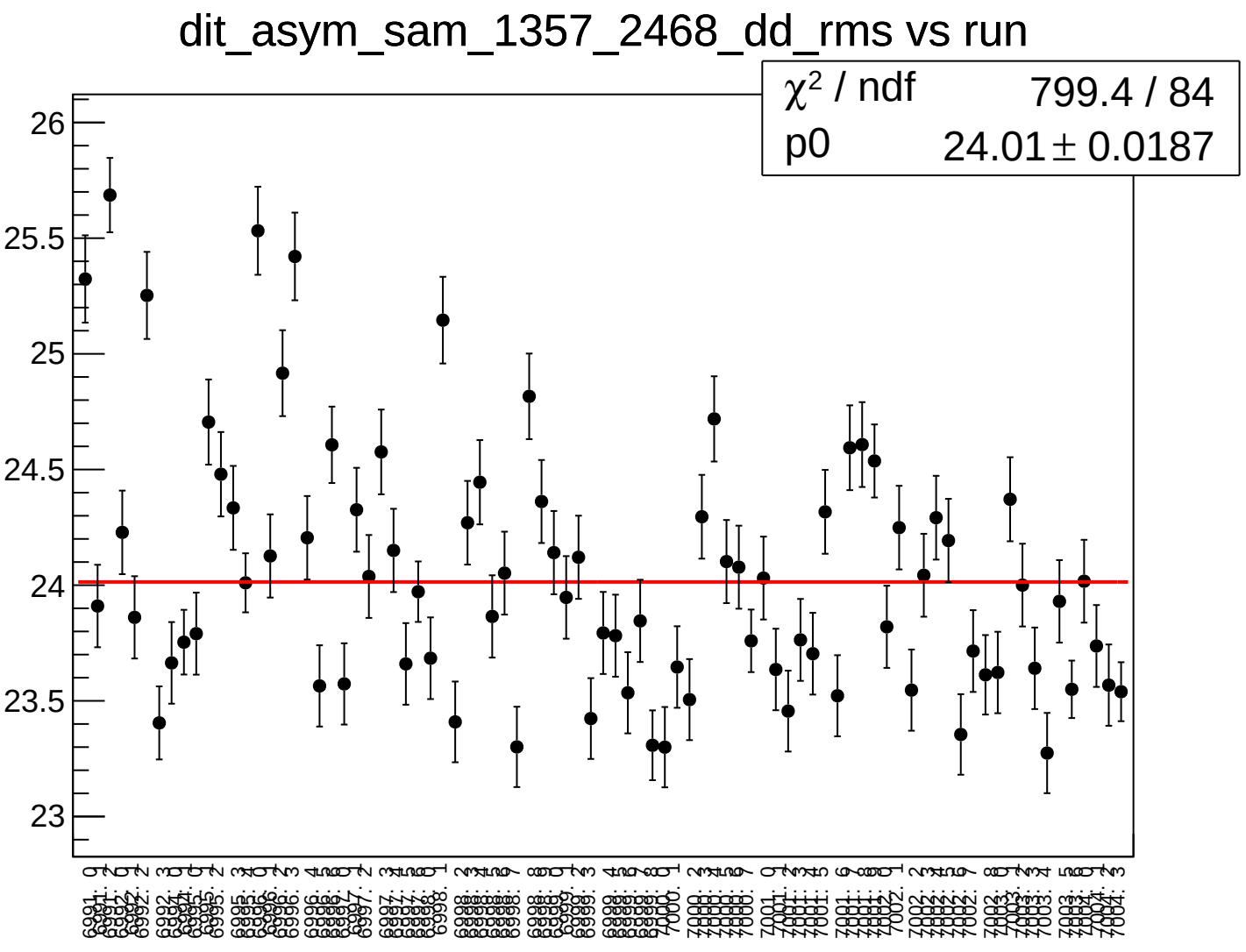

asym_sam_2468_avg_mean vs run
χ^2 / ndf 76.9 / 84
p0 900.9 ± 920.5
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −507.3
Std Dev 550.7
2
1
0
−1
−2

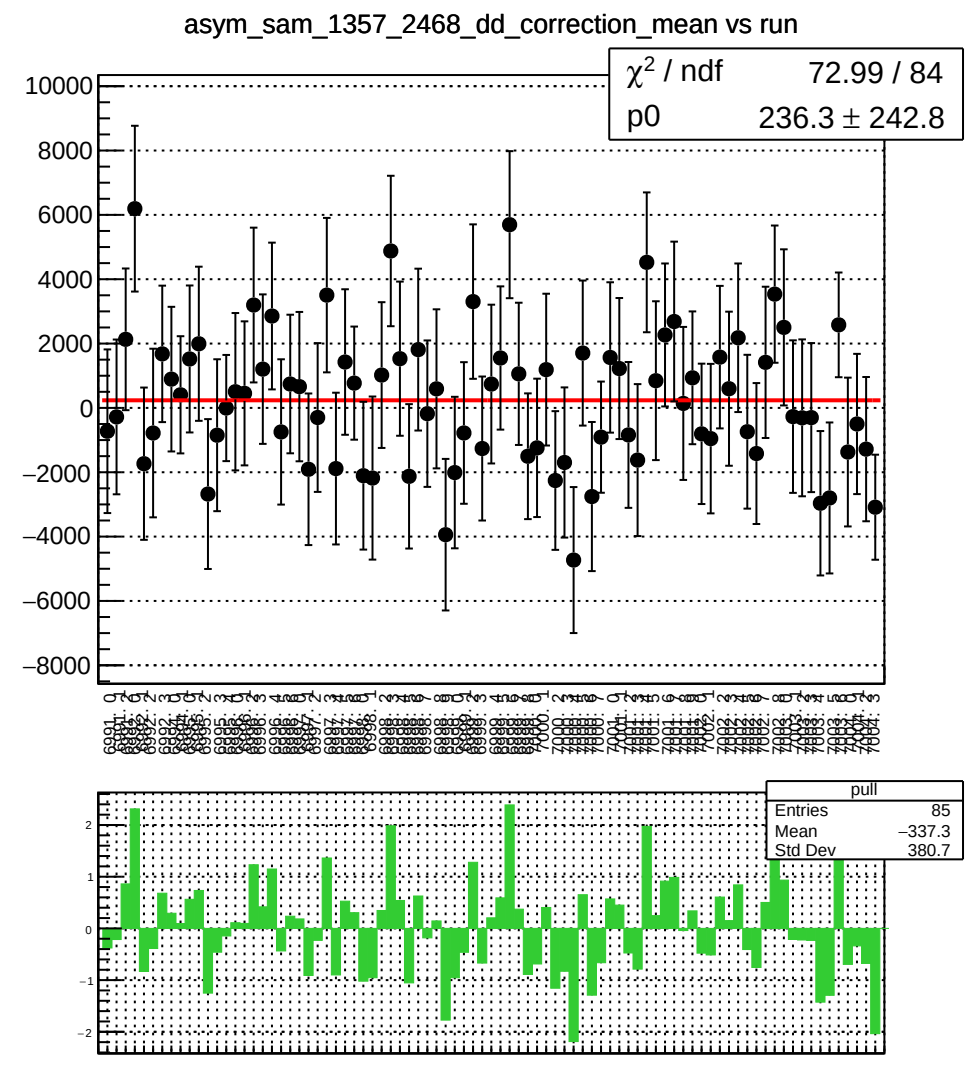

pull1D
Entries 85
Mean 0.004663
Std Dev 0.9511
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

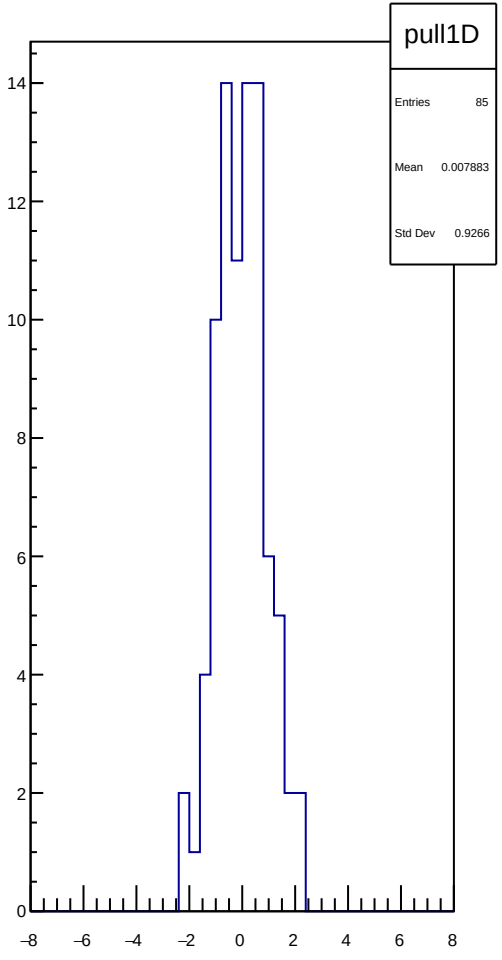

asym_sam_2468_avg_rms vs run
χ² / ndf 4538 / 84
p0 834.9 ± 0.6509
950
900
850
800
750

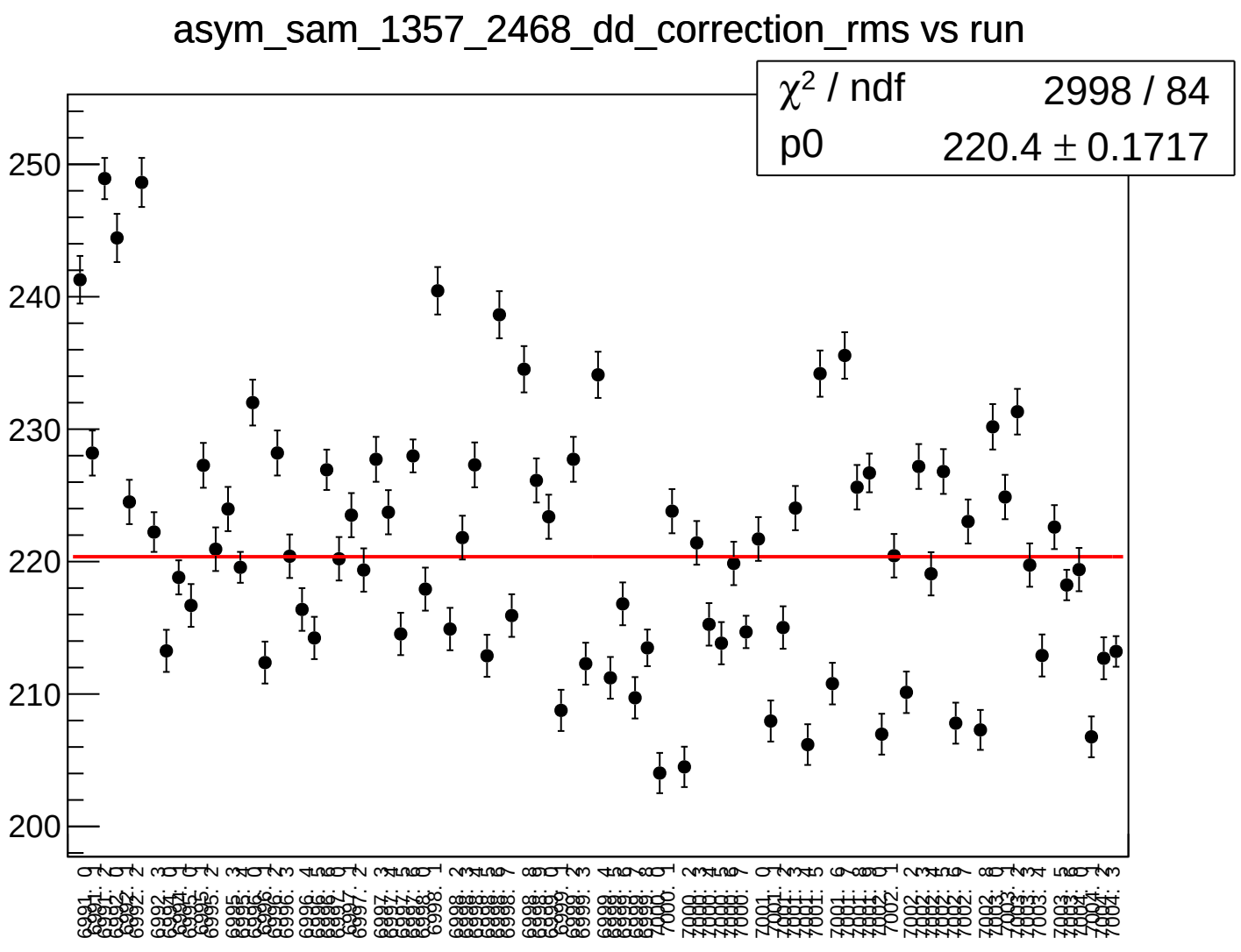

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 80.7 / 84
p0 −8.312 ± 26.45
pull
Entries 85
Mean −216.6
Std Dev 242.5

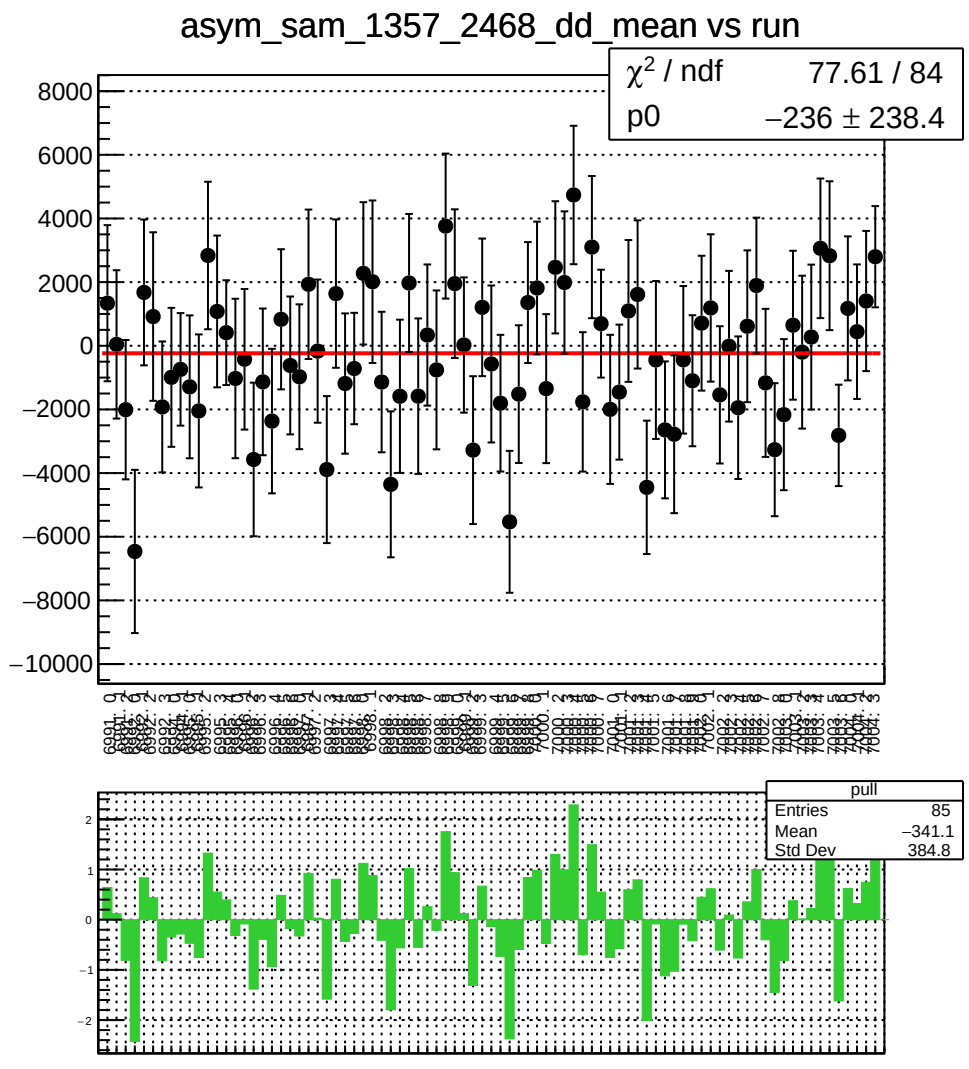

pull1D
Entries 85
Mean 0.01041
Std Dev 0.9743

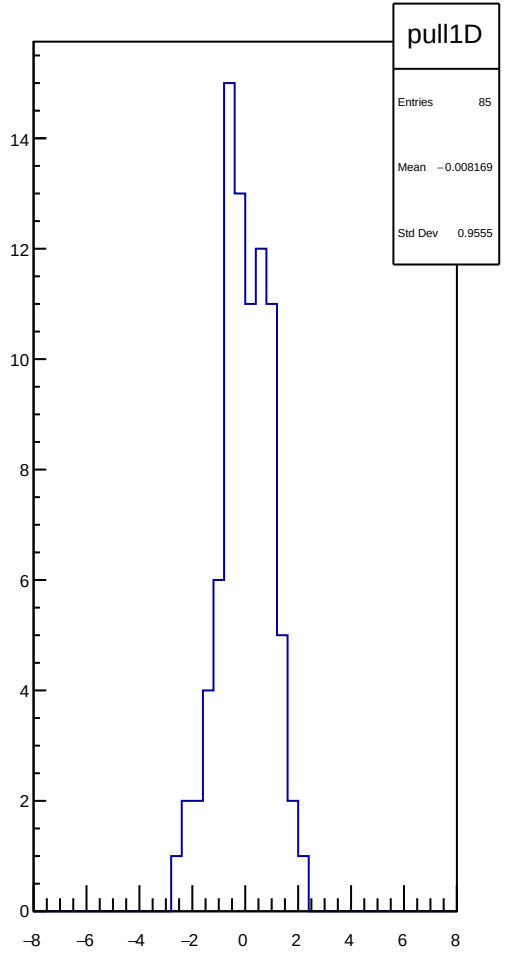

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 799.4 / 84
p0 24.01 ± 0.0187
26
25.5
25
24.5
24
23.5
23

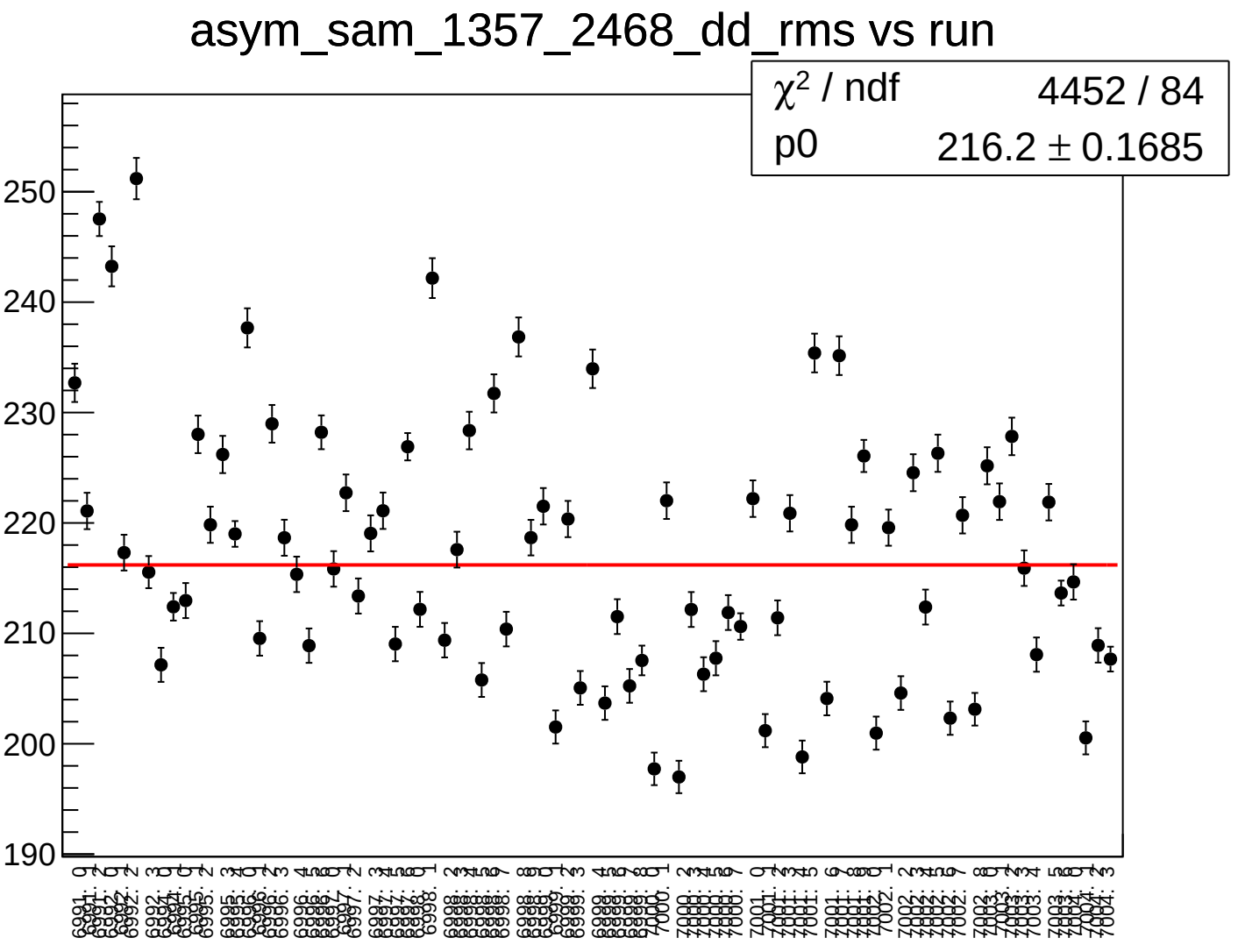

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 72.99 / 84
p0 236.3 ± 242.8
pull
Entries 85
Mean −337.3
Std Dev 380.7

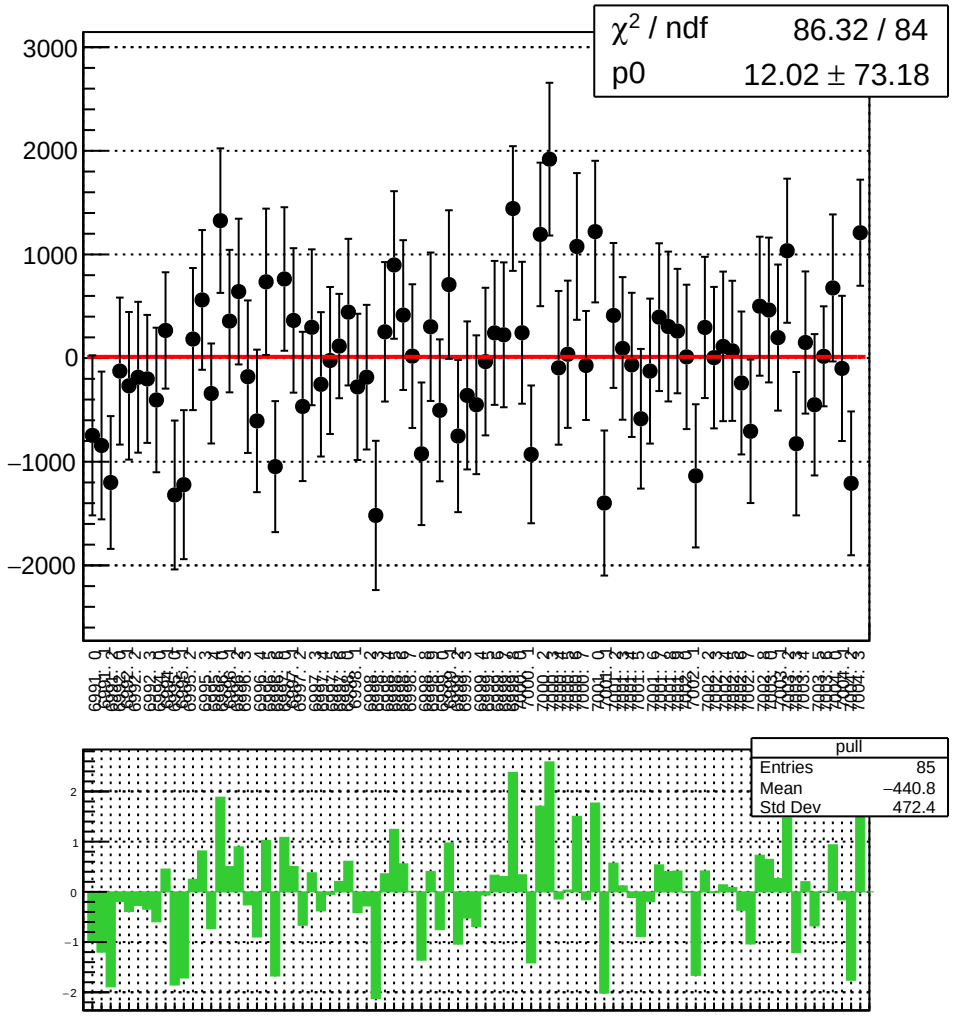

pull1D
Entries 85
Mean 0.007883
Std Dev 0.9266

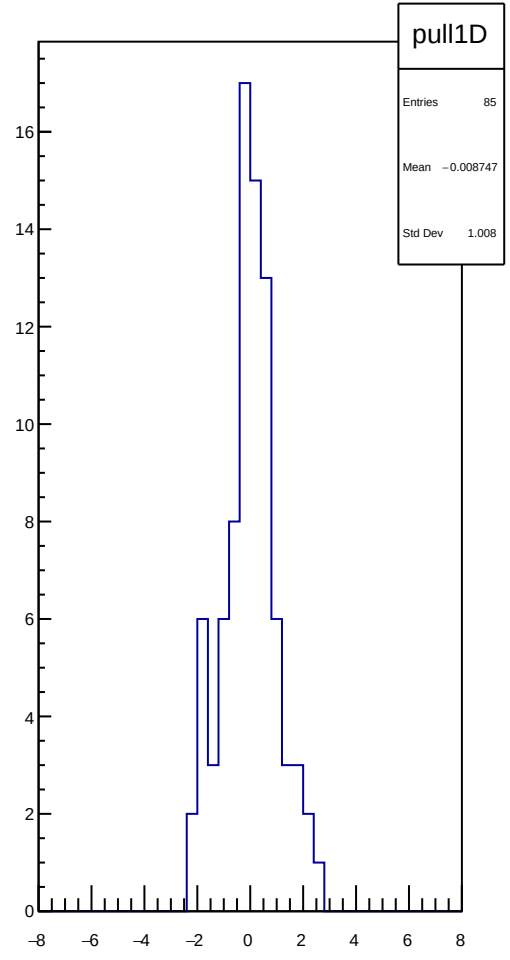

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2998 / 84
p0 220.4 ± 0.1717
250
240
230
220
210
200

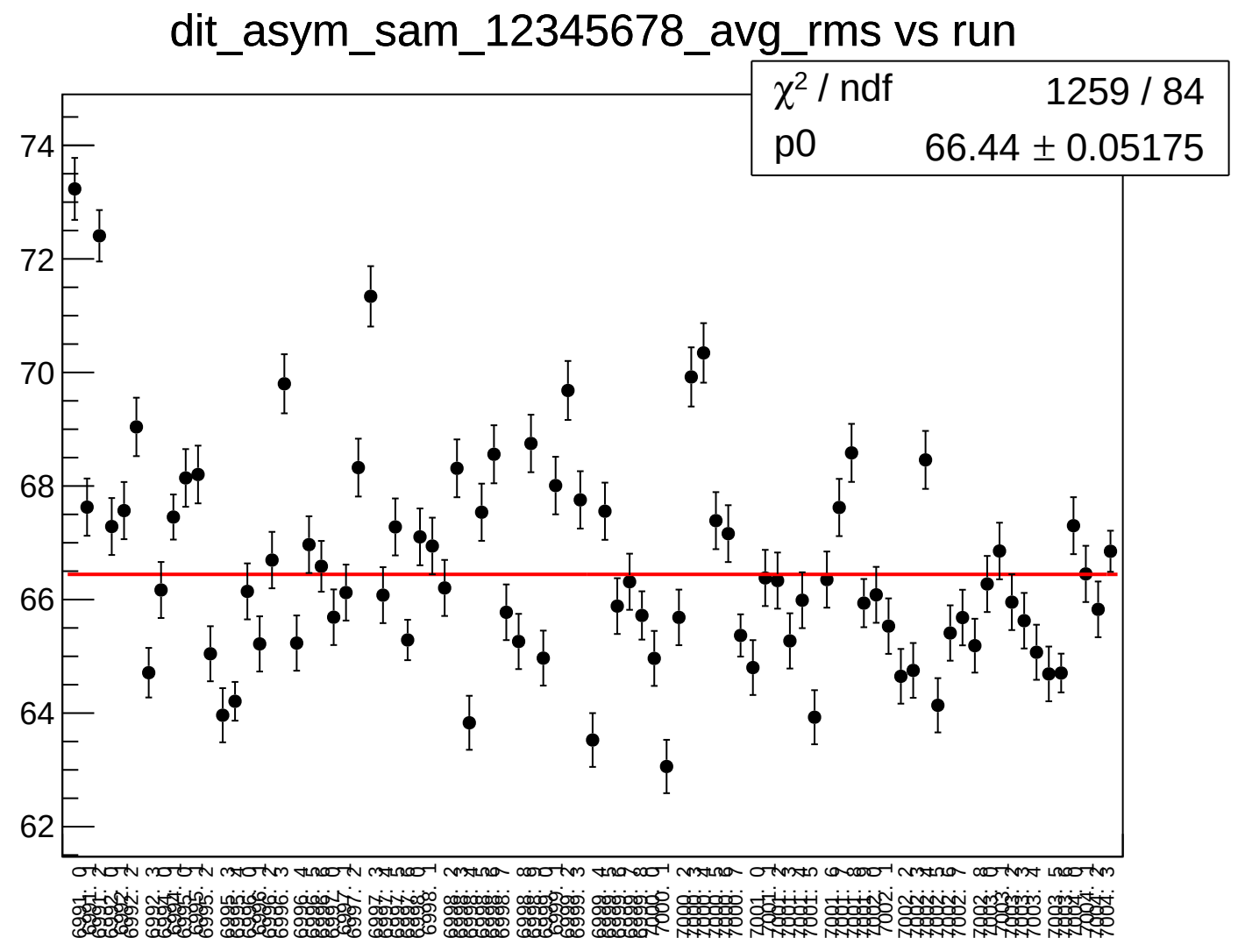

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 77.61 / 84
p0 −236 ± 238.4
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
pull
Entries 85
Mean −341.1
Std Dev 384.8
2
1
0
−1
−2

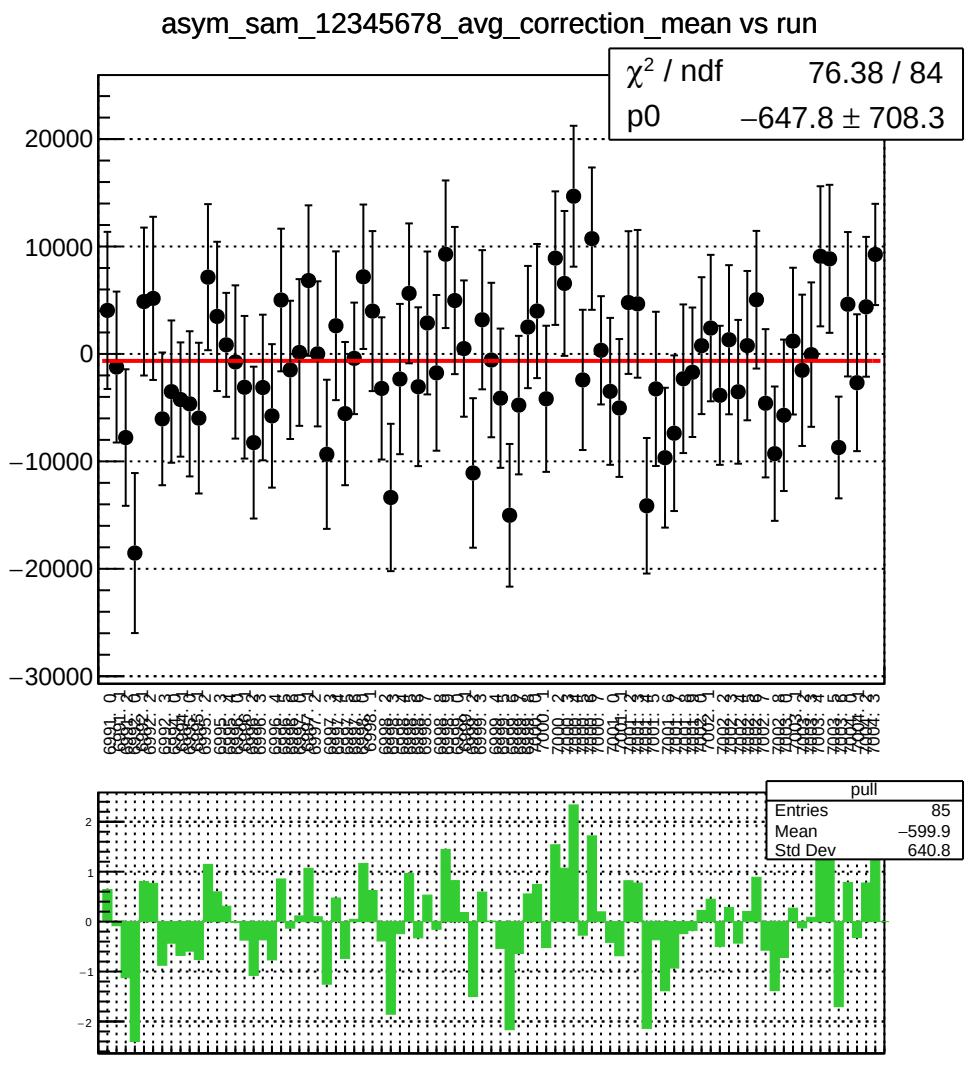

pull1D
Entries 85
Mean −0.008169
Std Dev 0.9555
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

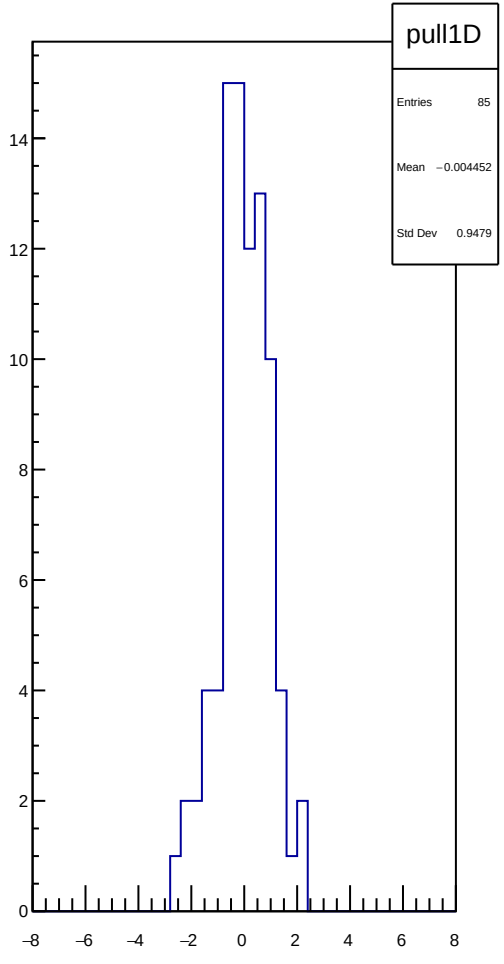

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4452 / 84
p0 216.2 ± 0.1685
250
240
230
220
210
200
190

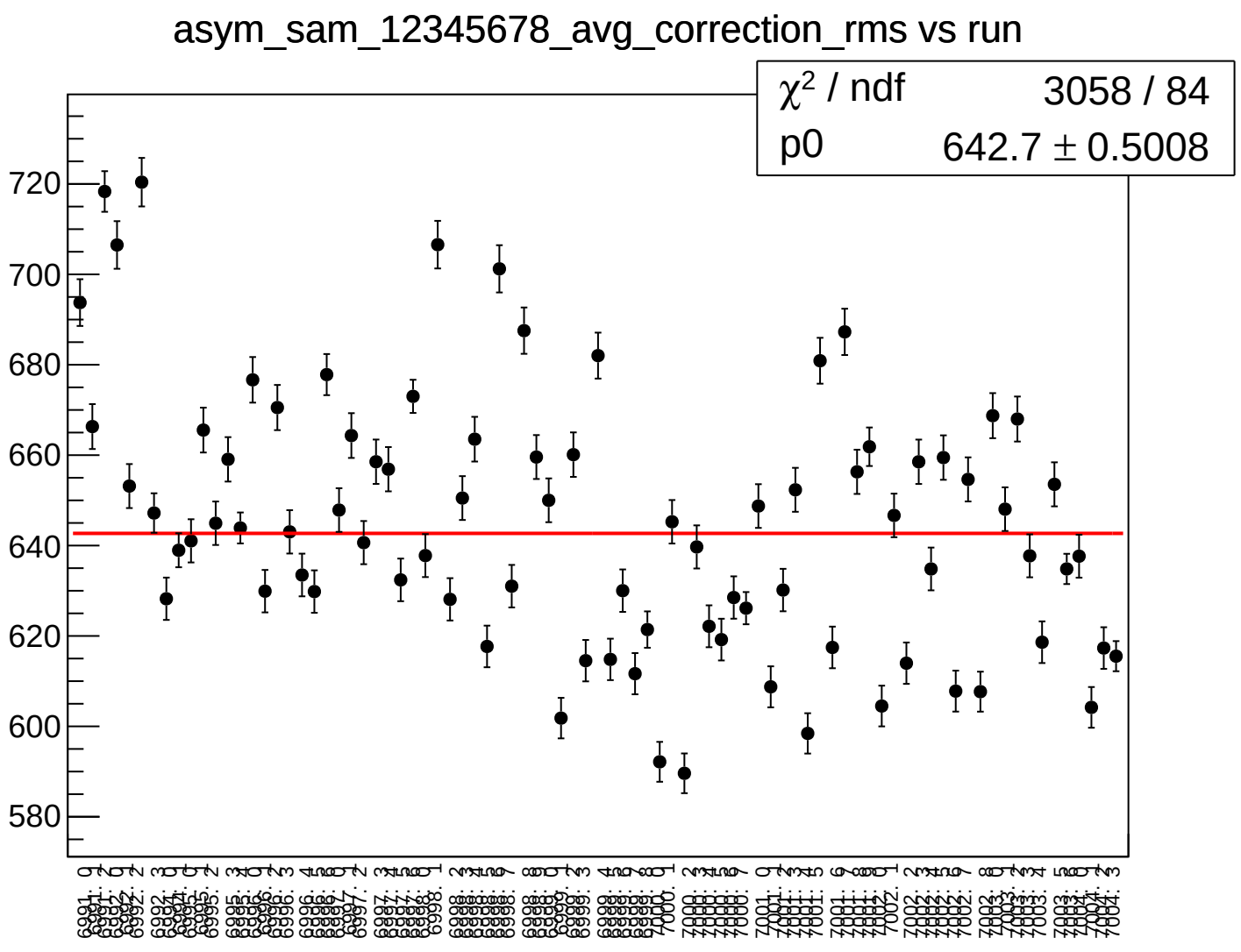

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 86.32 / 84
p0 12.02 ± 73.18
3000
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −440.8
Std Dev 472.4
2
1
0
−1
−2

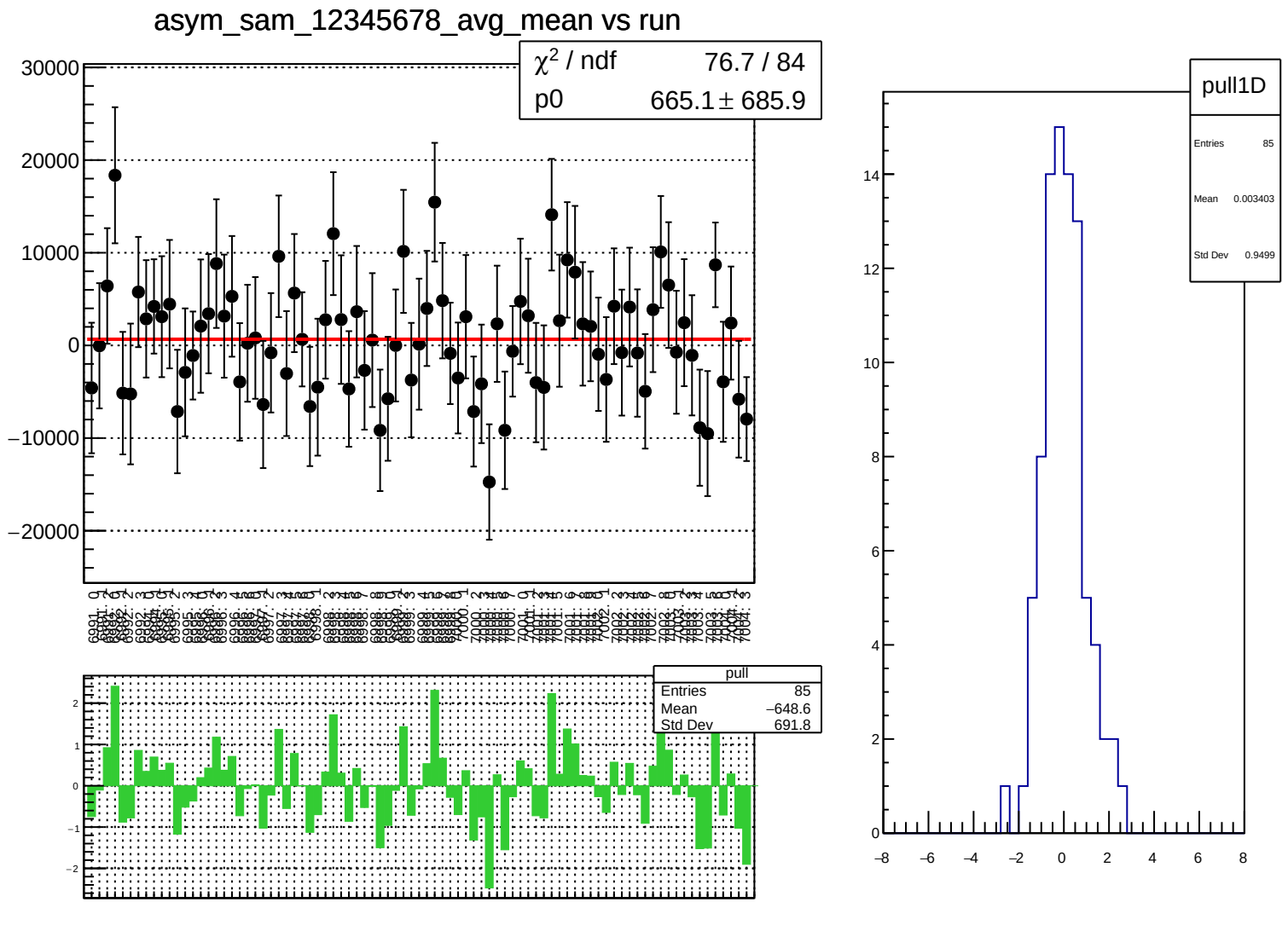

pull1D
Entries 85
Mean −0.008747
Std Dev 1.008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

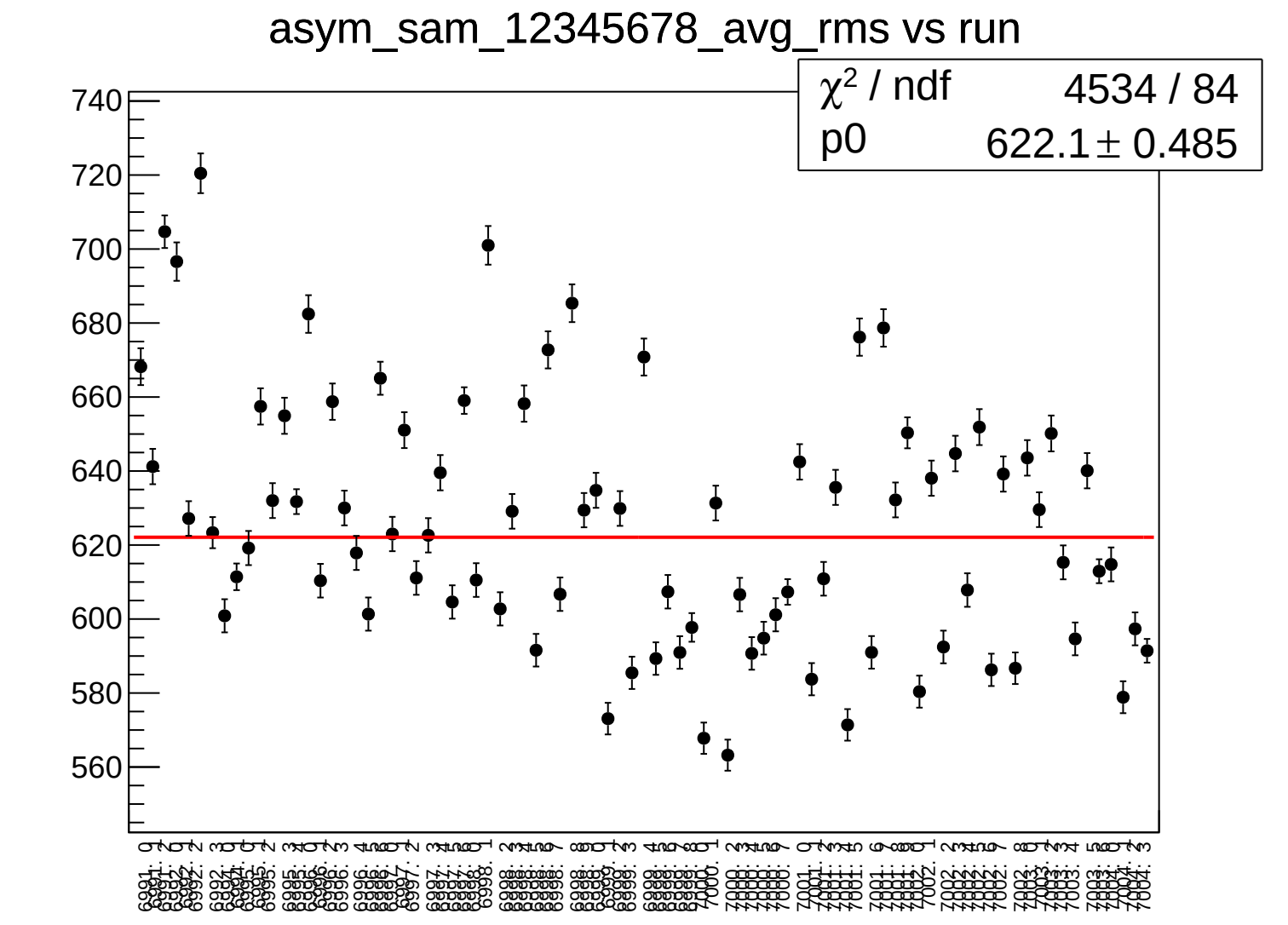

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1259 / 84
p0 66.44 ± 0.05175
74
72
70
68
66
64
62

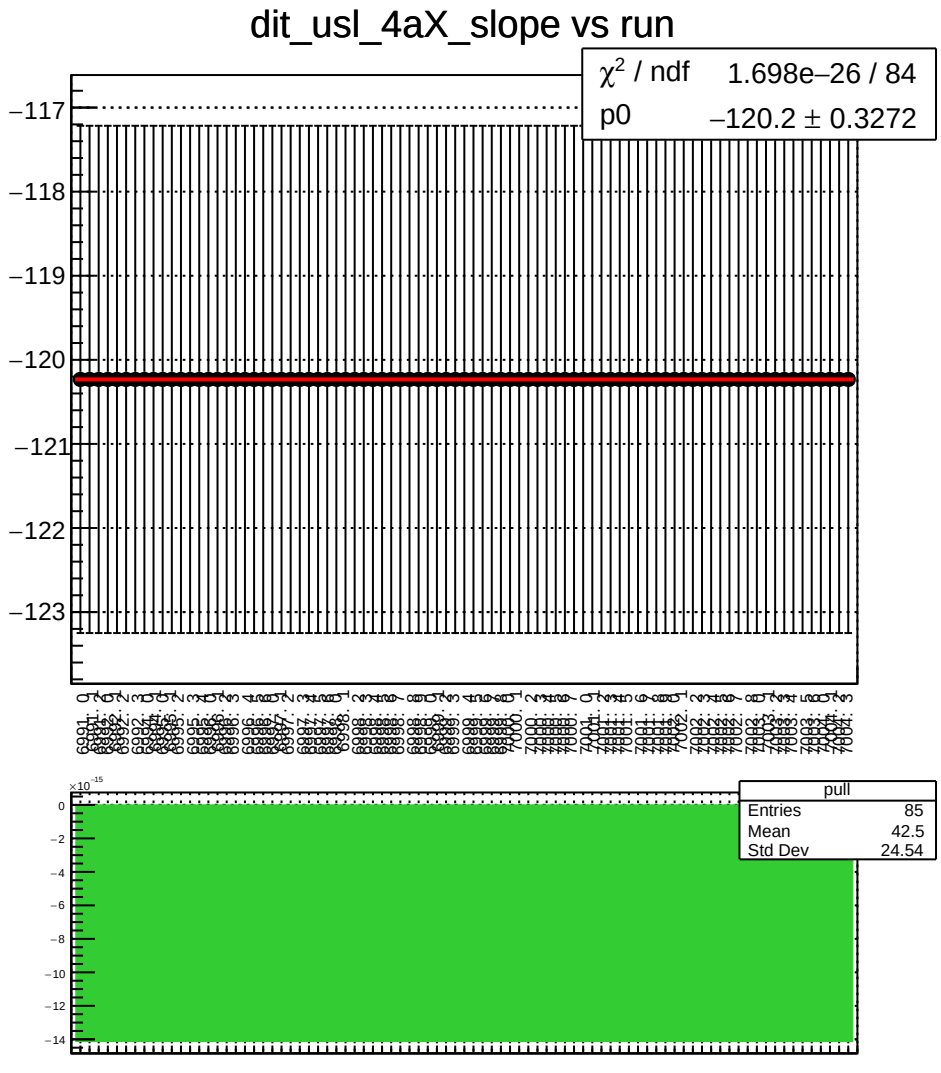

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 76.38 / 84
p0 −647.8 ± 708.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −599.9
Std Dev 640.8
2
1
0
−1
−2

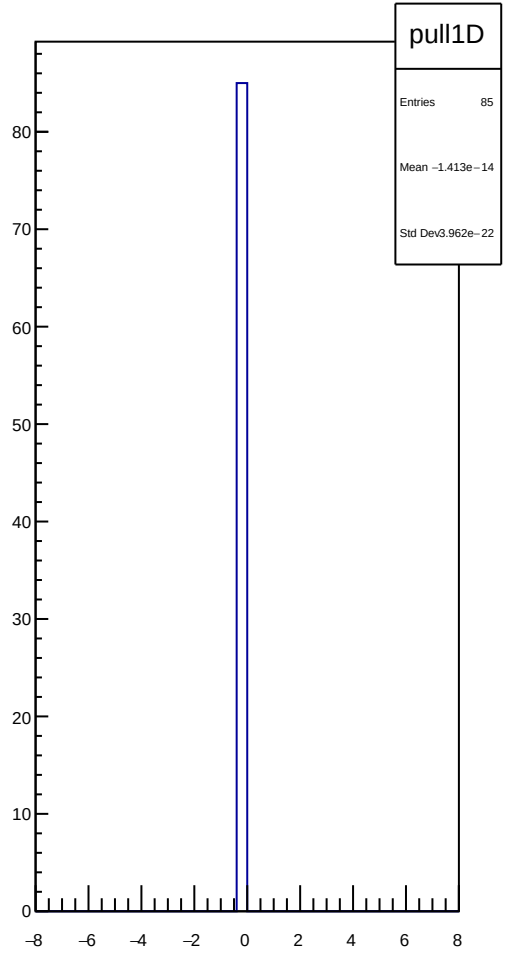

pull1D
Entries 85
Mean −0.004452
Std Dev 0.9479
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

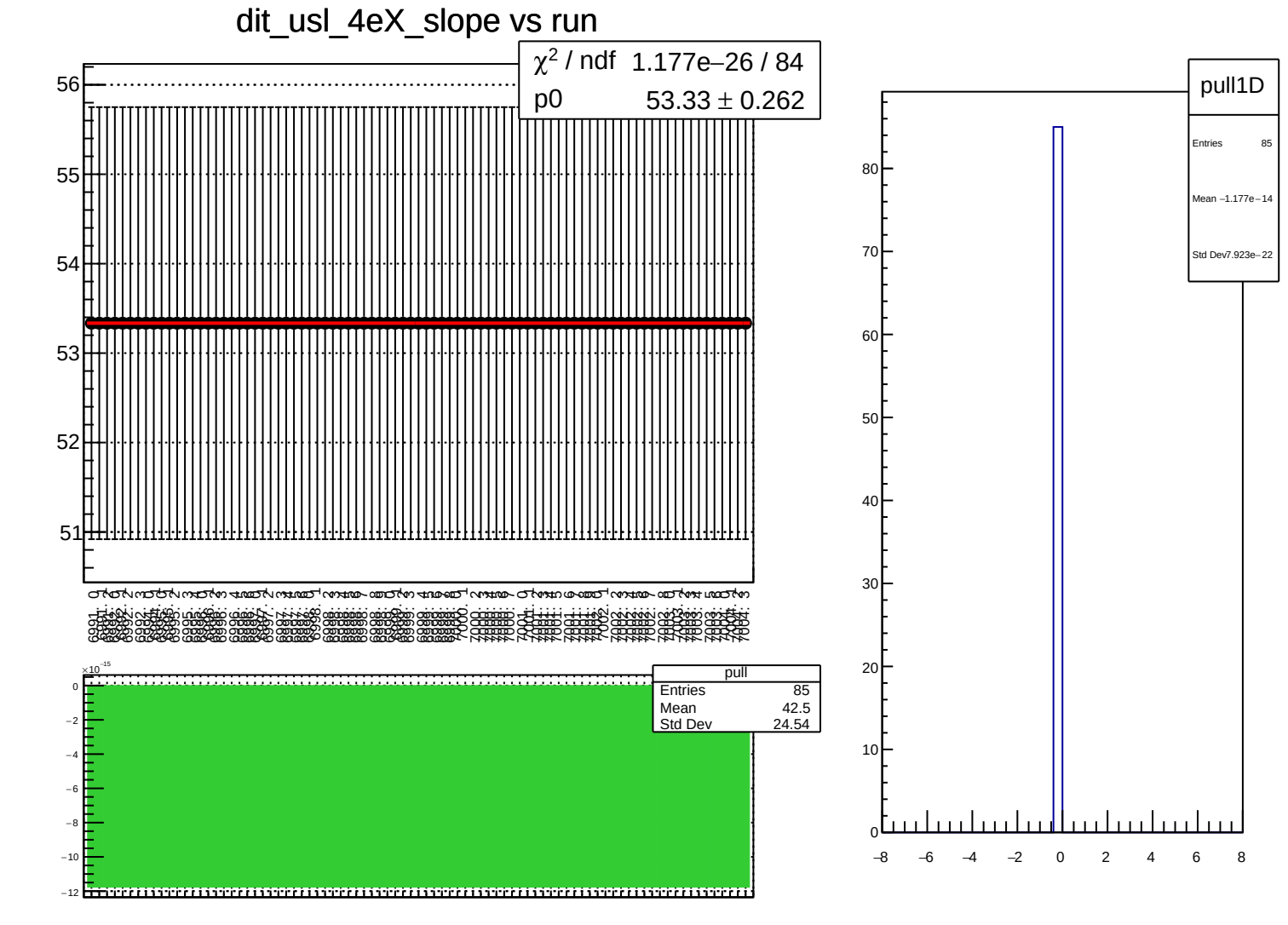

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 3058 / 84
p0 642.7 ± 0.5008
720
700
680
660
640
620
600
580

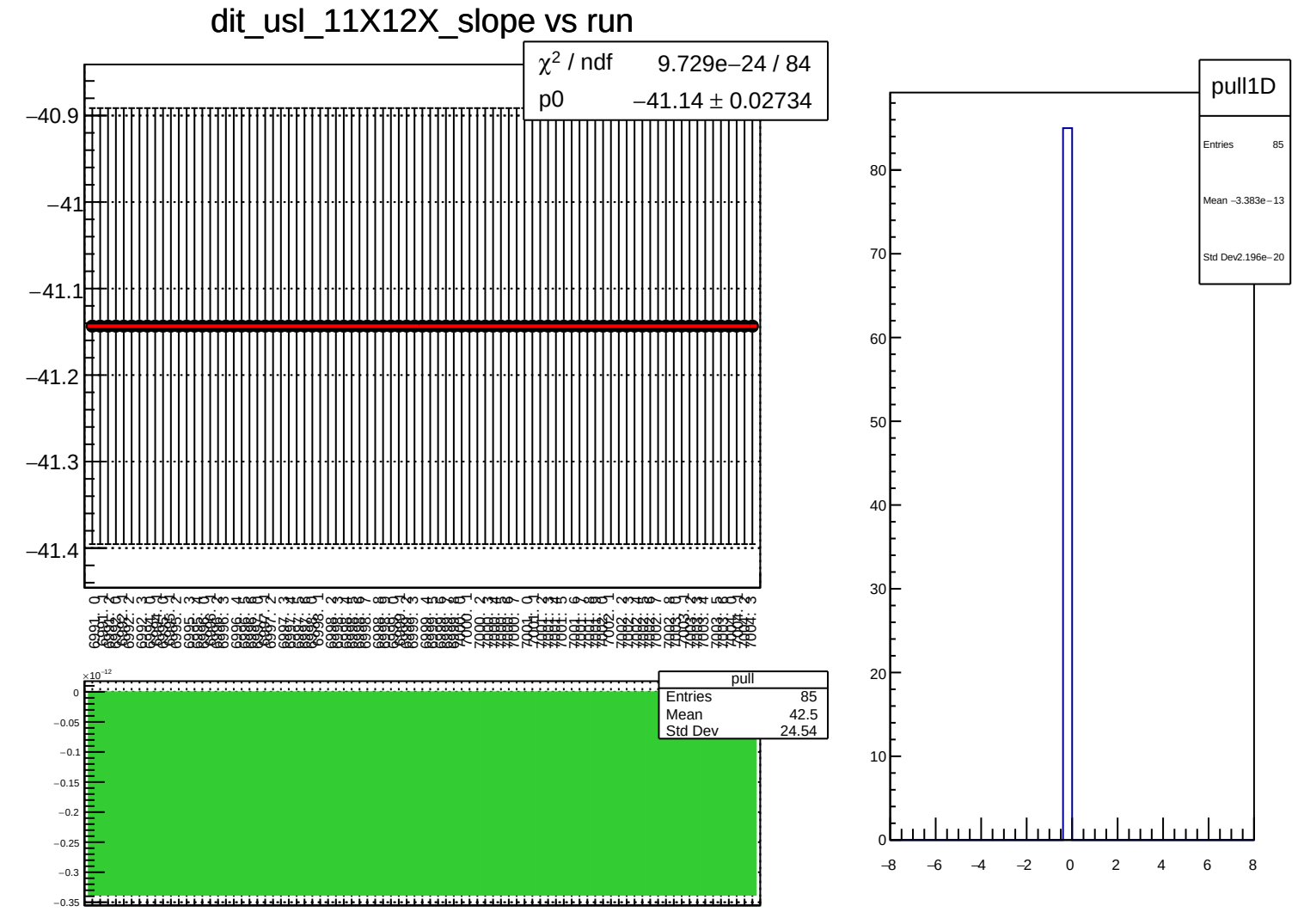

asym_sam_12345678_avg_mean vs run
χ² / ndf 76.7 / 84
p0 665.1 ± 685.9
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −648.6
Std Dev 691.8
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.003403
Std Dev 0.9499
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

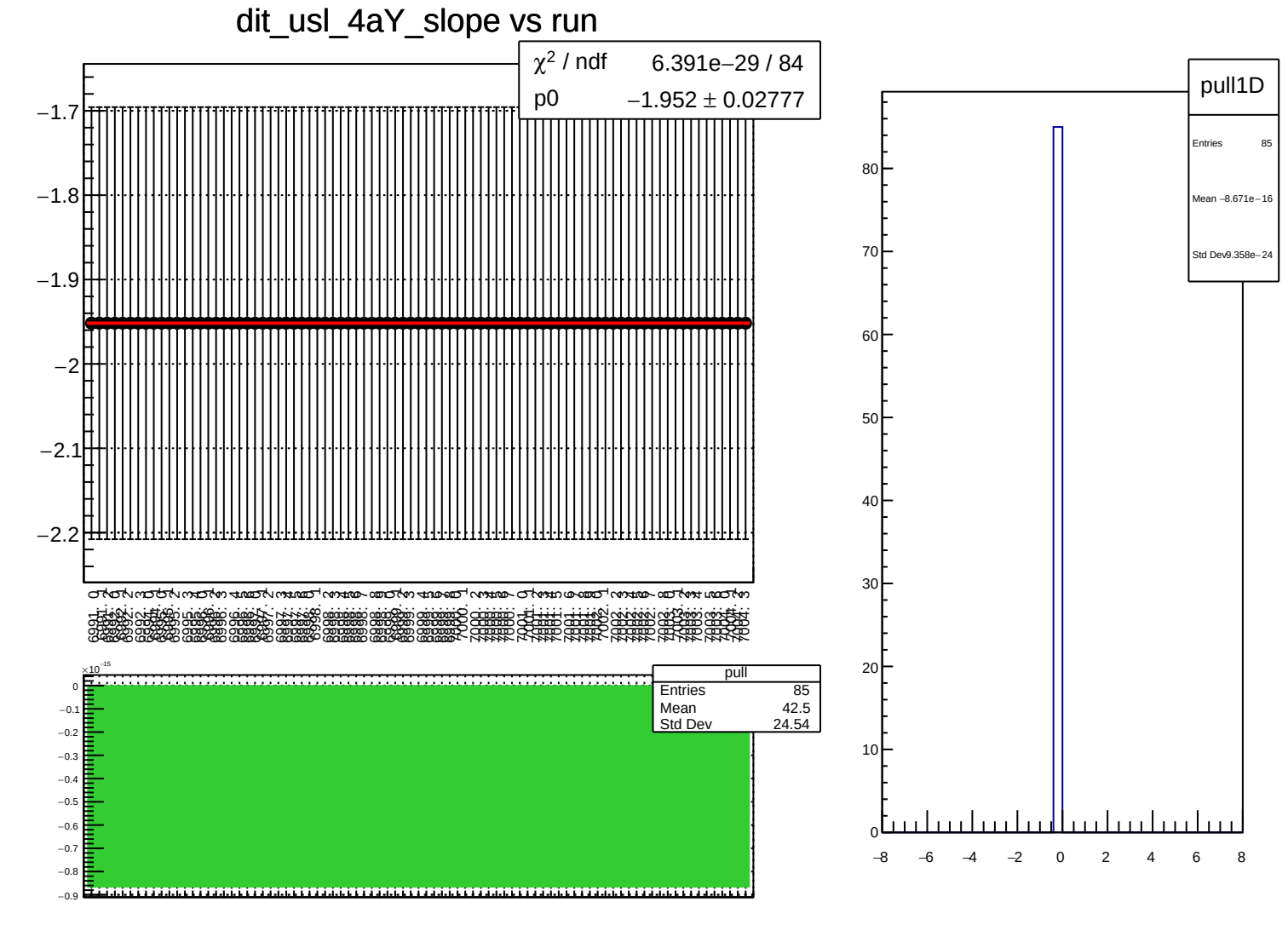

asym_sam_12345678_avg_rms vs run
χ² / ndf 4534 / 84
p0 622.1 ± 0.485
740
720
700
680
660
640
620
600
580
560

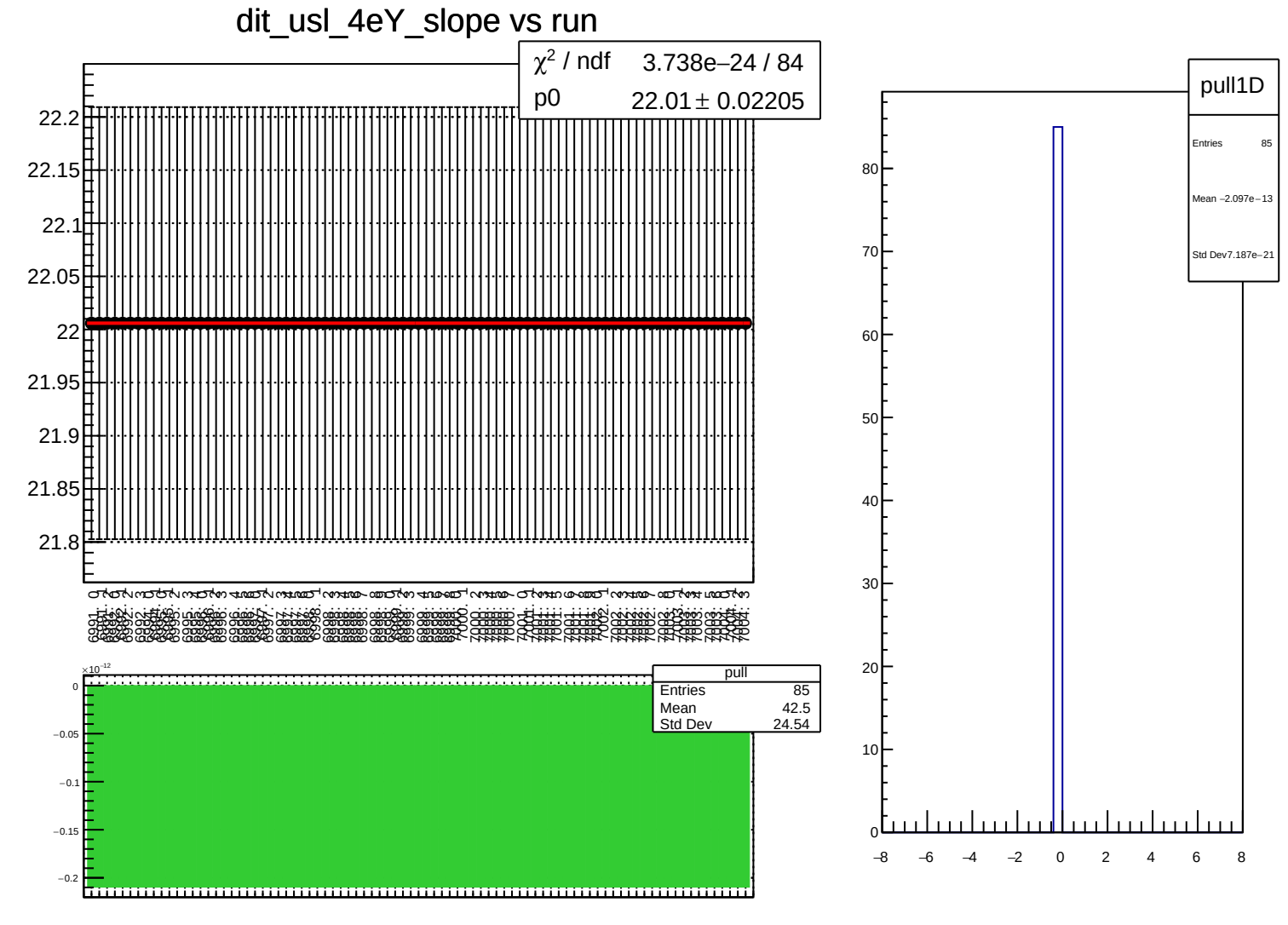

dit_usl_4aX_slope vs run
χ² / ndf 1.698e−26 / 84
p0 −120.2 ± 0.3272
−117
−118
−119
−120
−121
−122
−123
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

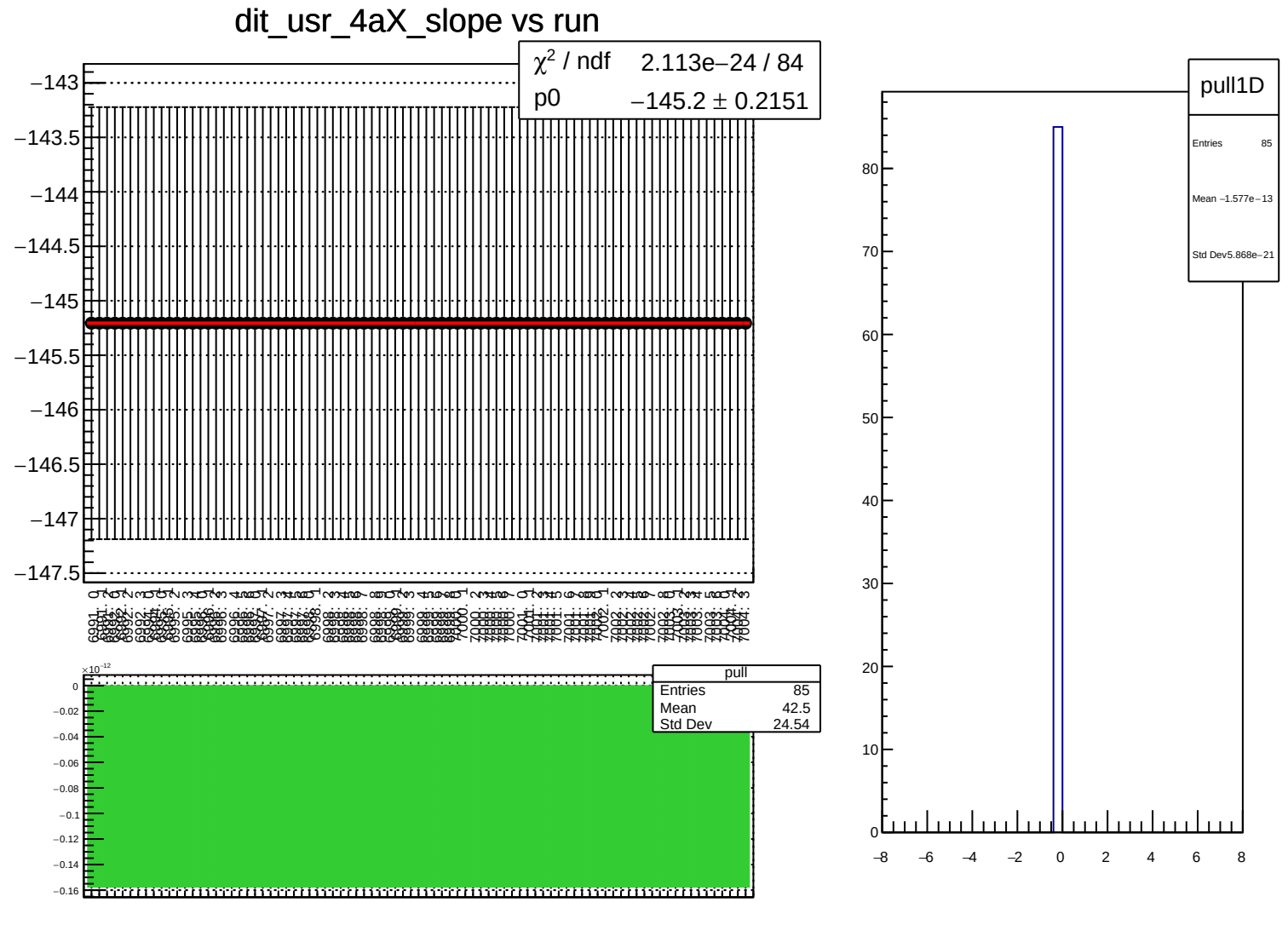

pull1D
Entries 85
Mean −1.413e−14
Std Dev 3.962e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

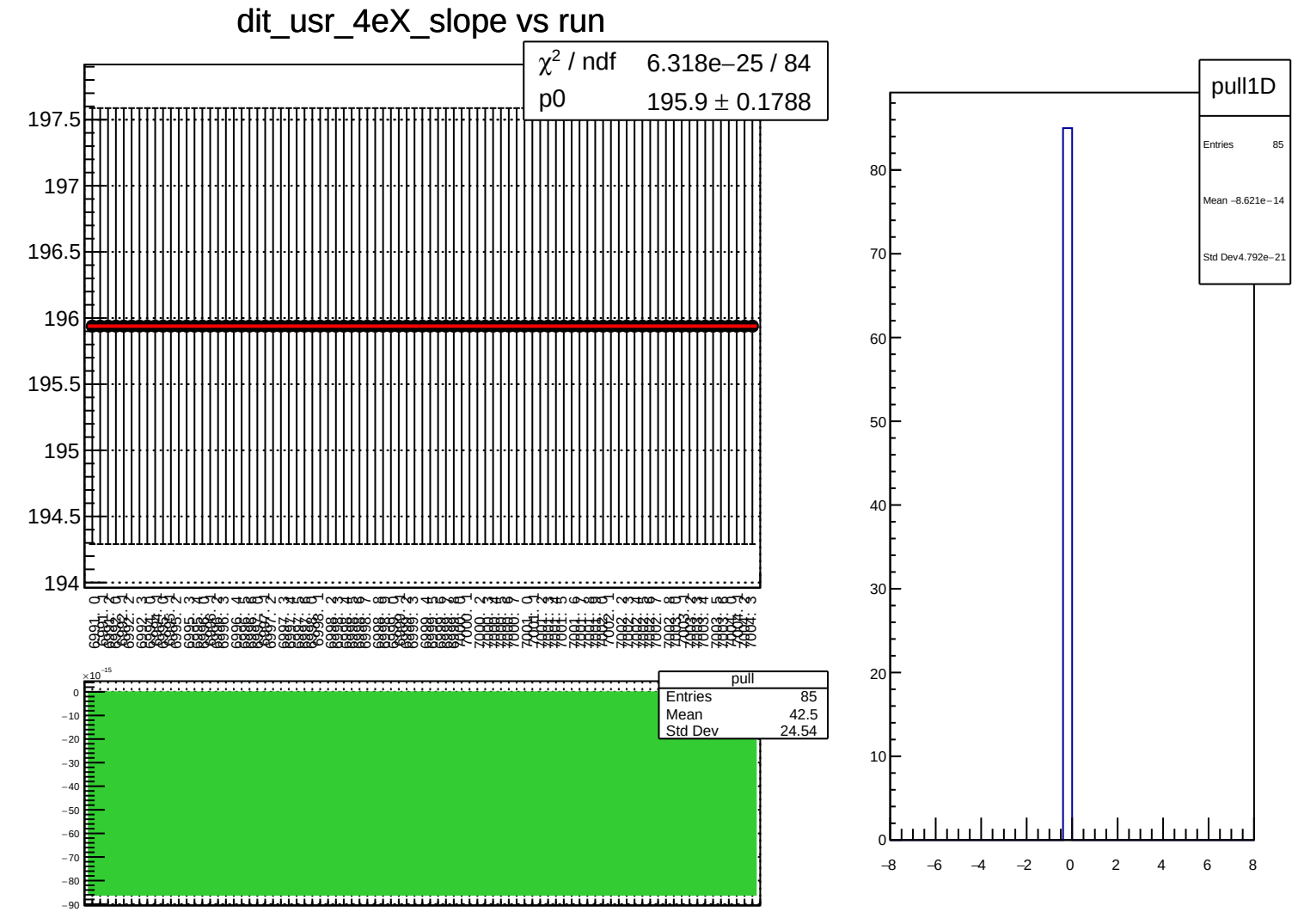

dit_usl_4eX_slope vs run
χ² / ndf 1.177e−26 / 84
p0 53.33 ± 0.262
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean −1.177e−14
Std Dev7.923e−22

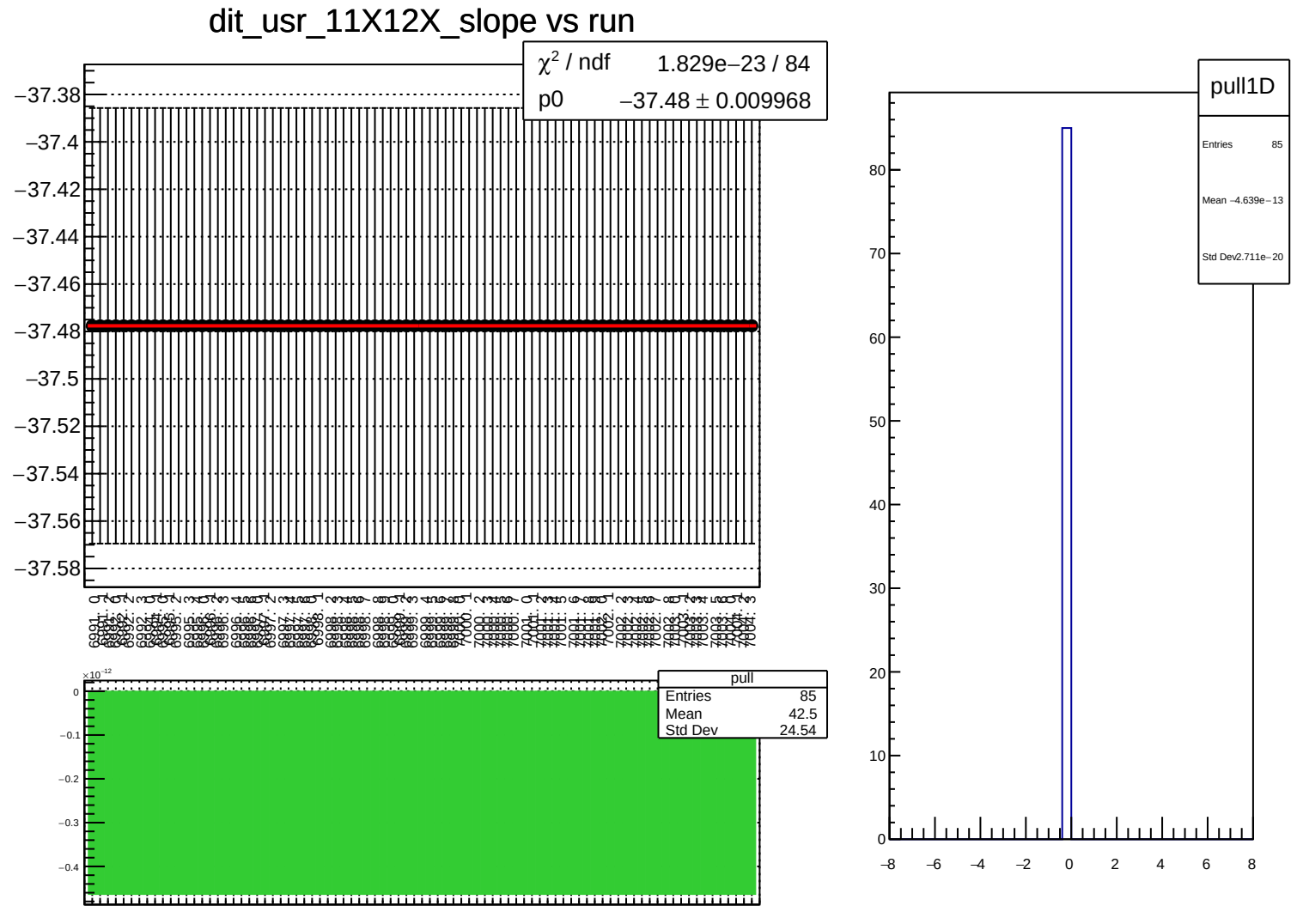

dit_usl_11X12X_slope vs run
χ² / ndf 9.729e−24 / 84
p0 −41.14 ± 0.02734
−40.9
−41
−41.1
−41.2
−41.3
−41.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull1D
Entries 85
Mean −3.383e−13
Std Dev 2.196e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

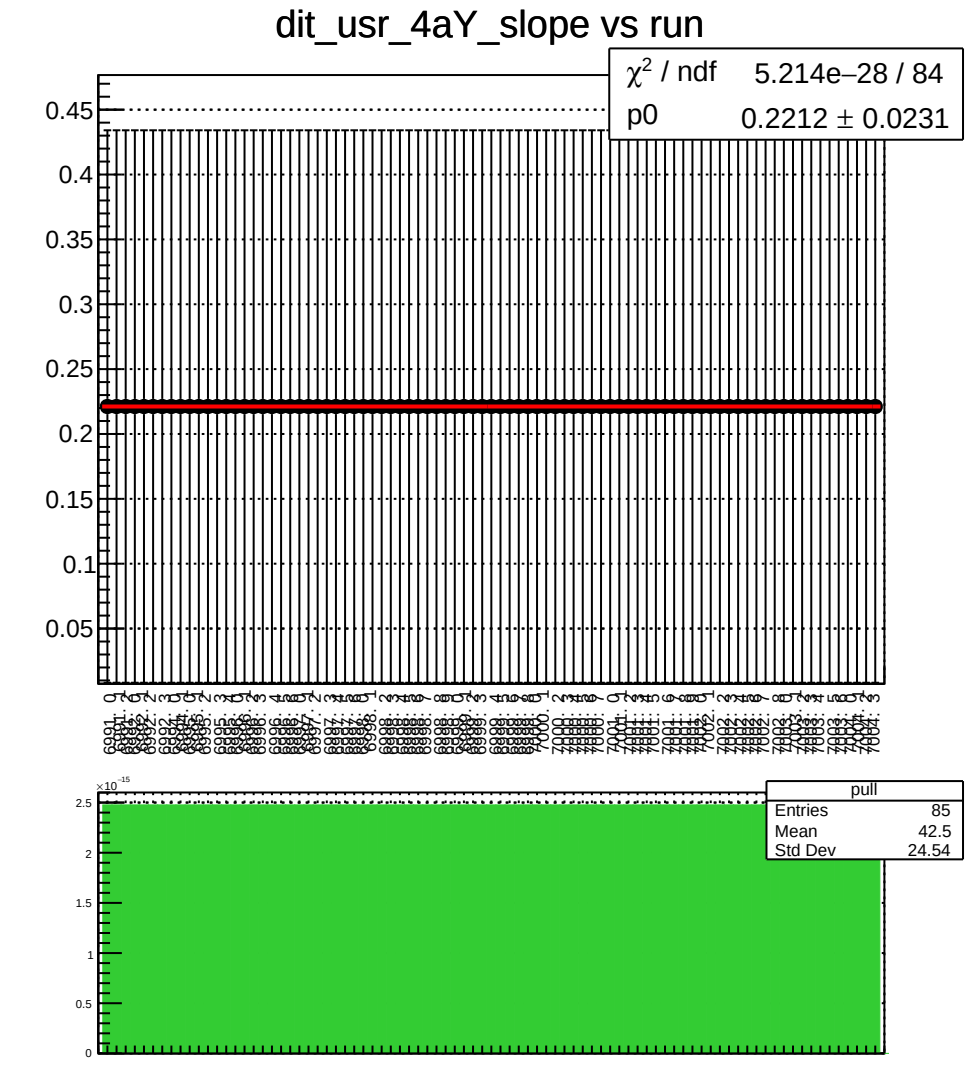

dit_usl_4aY_slope vs run
χ² / ndf 6.391e−29 / 84
p0 −1.952 ± 0.02777
−1.7
−1.8
−1.9
−2
−2.1
−2.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
pull1D
Entries 85
Mean −8.671e−16
Std Dev 9.358e−24
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

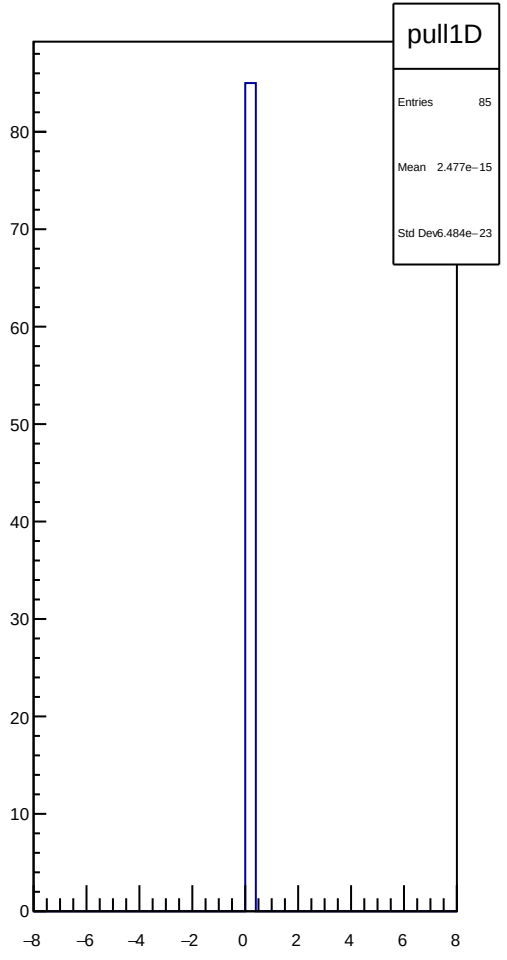

dit_usl_4eY_slope vs run
χ² / ndf 3.738e−24 / 84
p0 22.01 ± 0.02205
22.2
22.15
22.1
22.05
22
21.95
21.9
21.85
21.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 85
Mean −2.097e−13
Std Dev7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

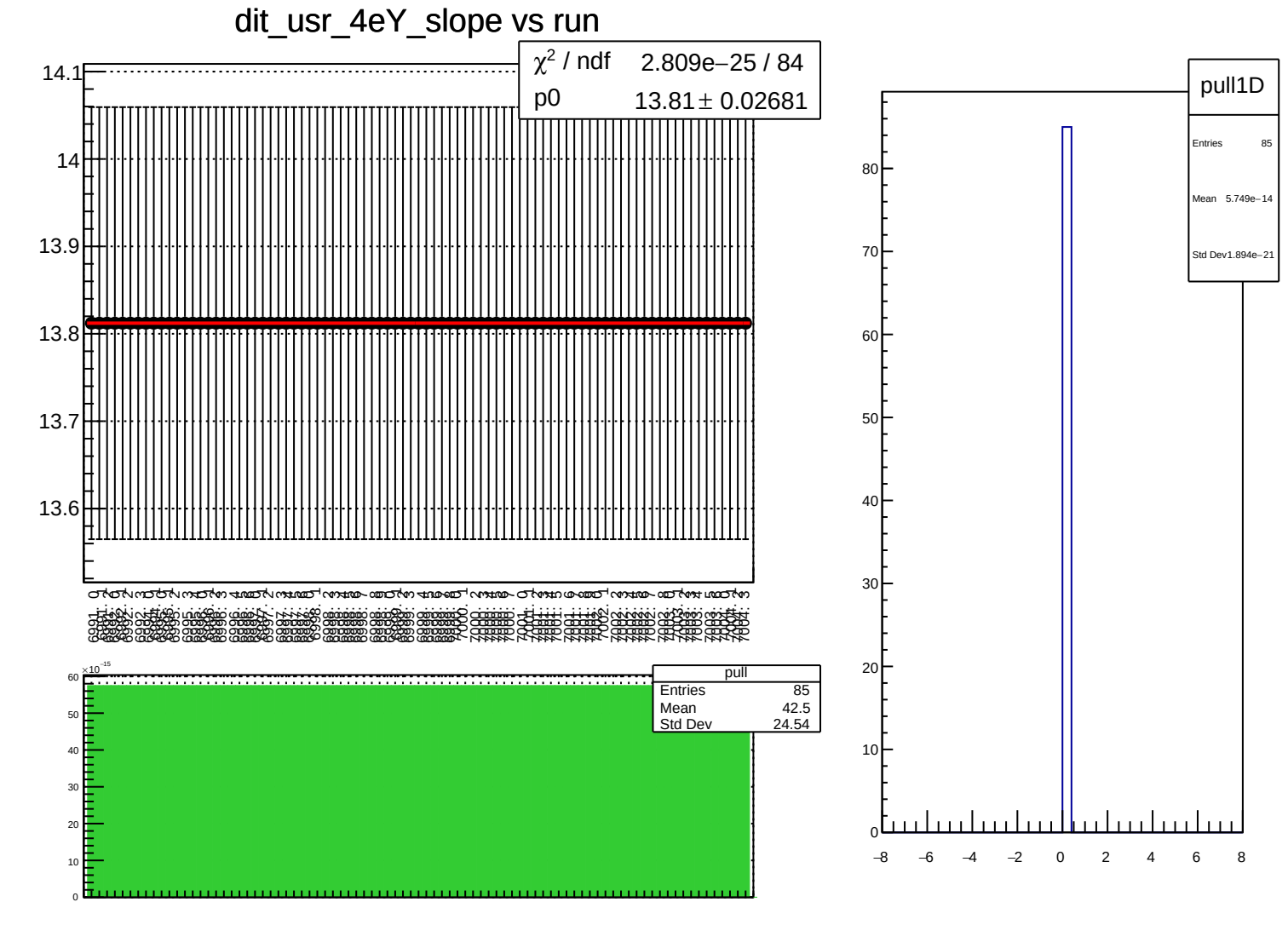

dit_usr_4aX_slope vs run
χ² / ndf 2.113e−24 / 84
p0 −145.2 ± 0.2151
−143
−143.5
−144
−144.5
−145
−145.5
−146
−146.5
−147
−147.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 85
Mean −1.577e−13
Std Dev5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

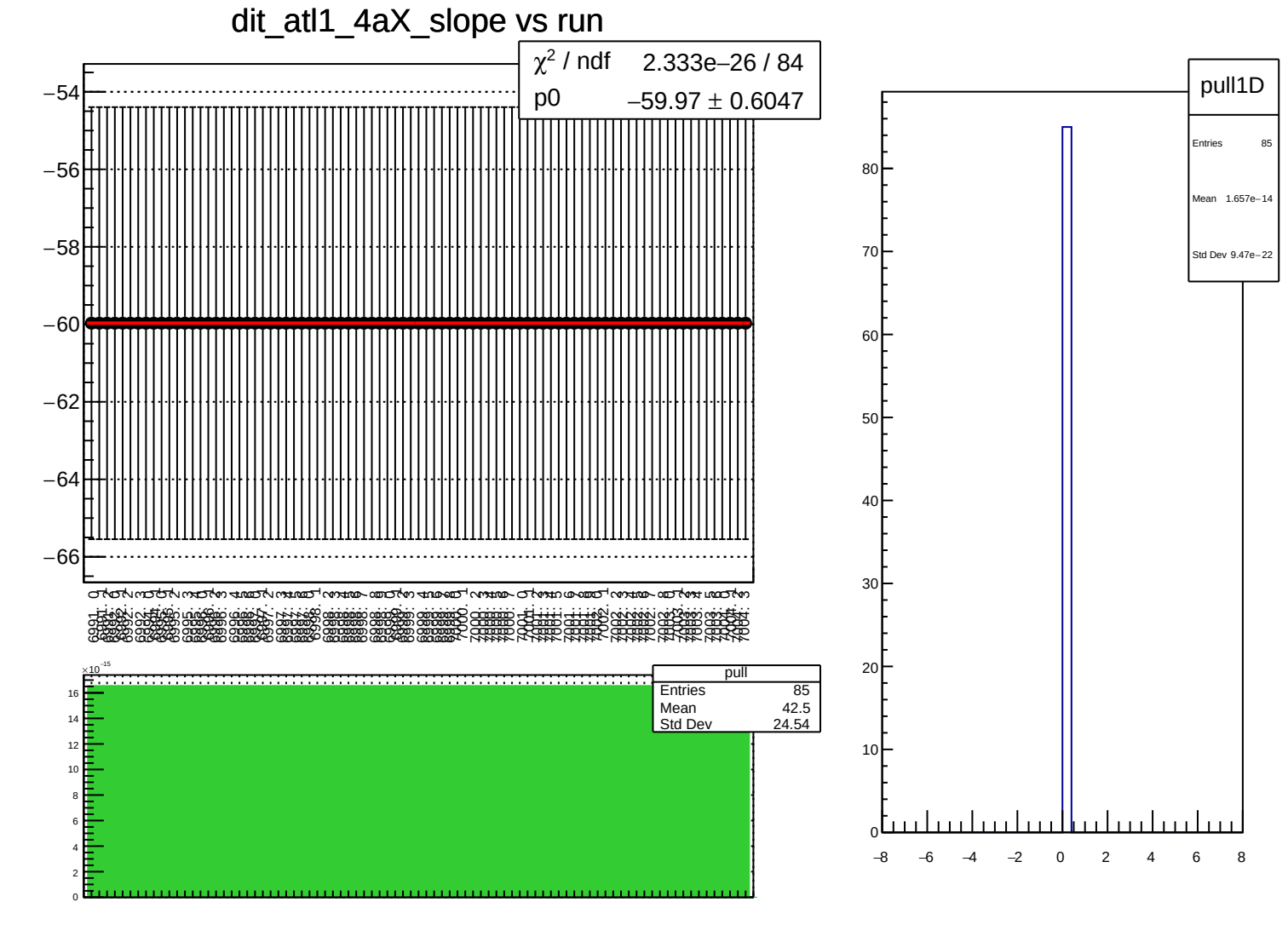

dit_usr_4eX_slope vs run
χ² / ndf 6.318e−25 / 84
p0 195.9 ± 0.1788
197.5
197
196.5
196
195.5
195
194.5
194
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull1D
Entries 85
Mean −8.621e−14
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

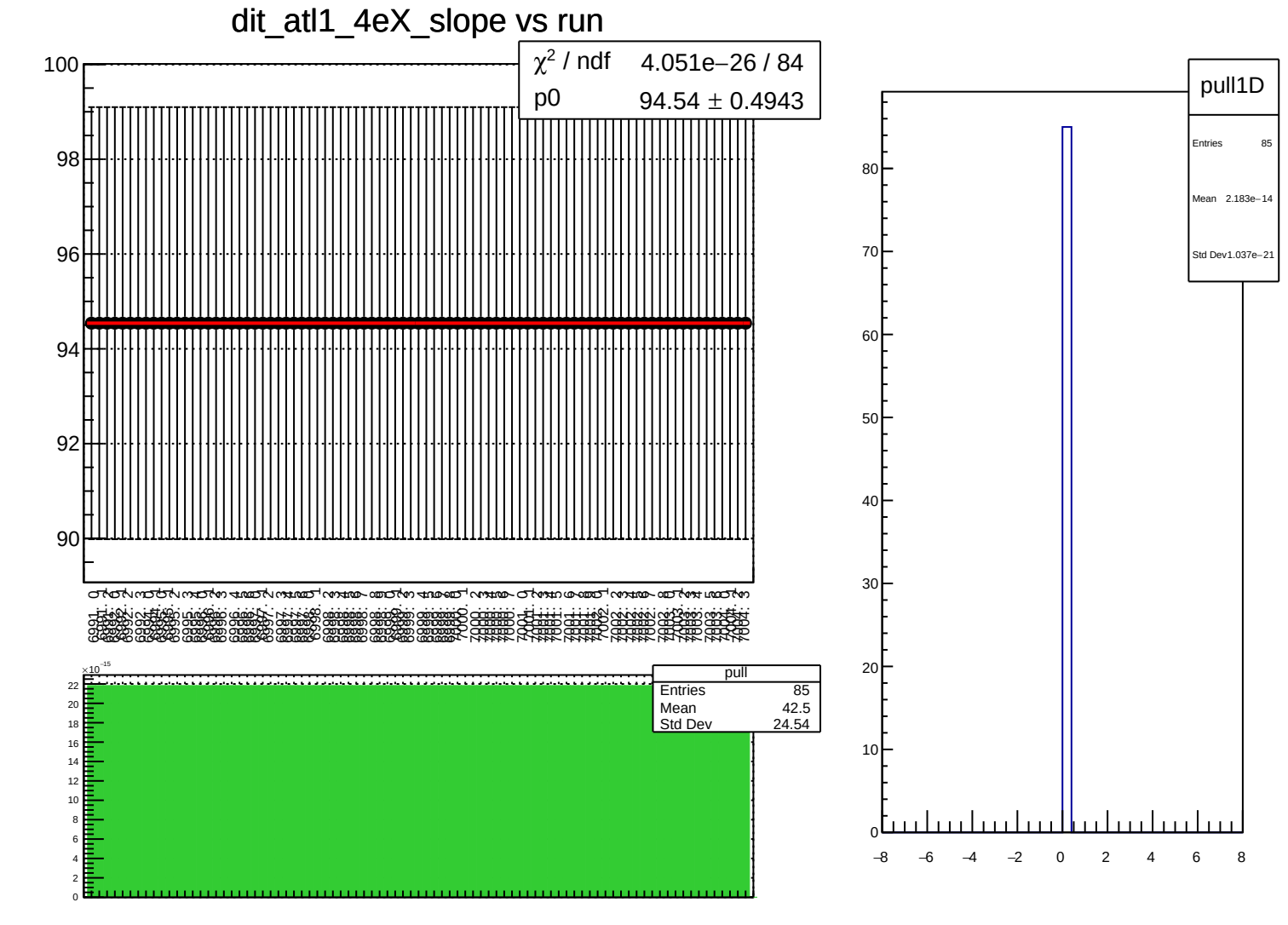

dit_usr_11X12X_slope vs run
χ² / ndf 1.829e−23 / 84
p0 −37.48 ± 0.009968
−37.38
−37.4
−37.42
−37.44
−37.46
−37.48
−37.5
−37.52
−37.54
−37.56
−37.58
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 85
Mean −4.639e−13
Std Dev 2.711e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

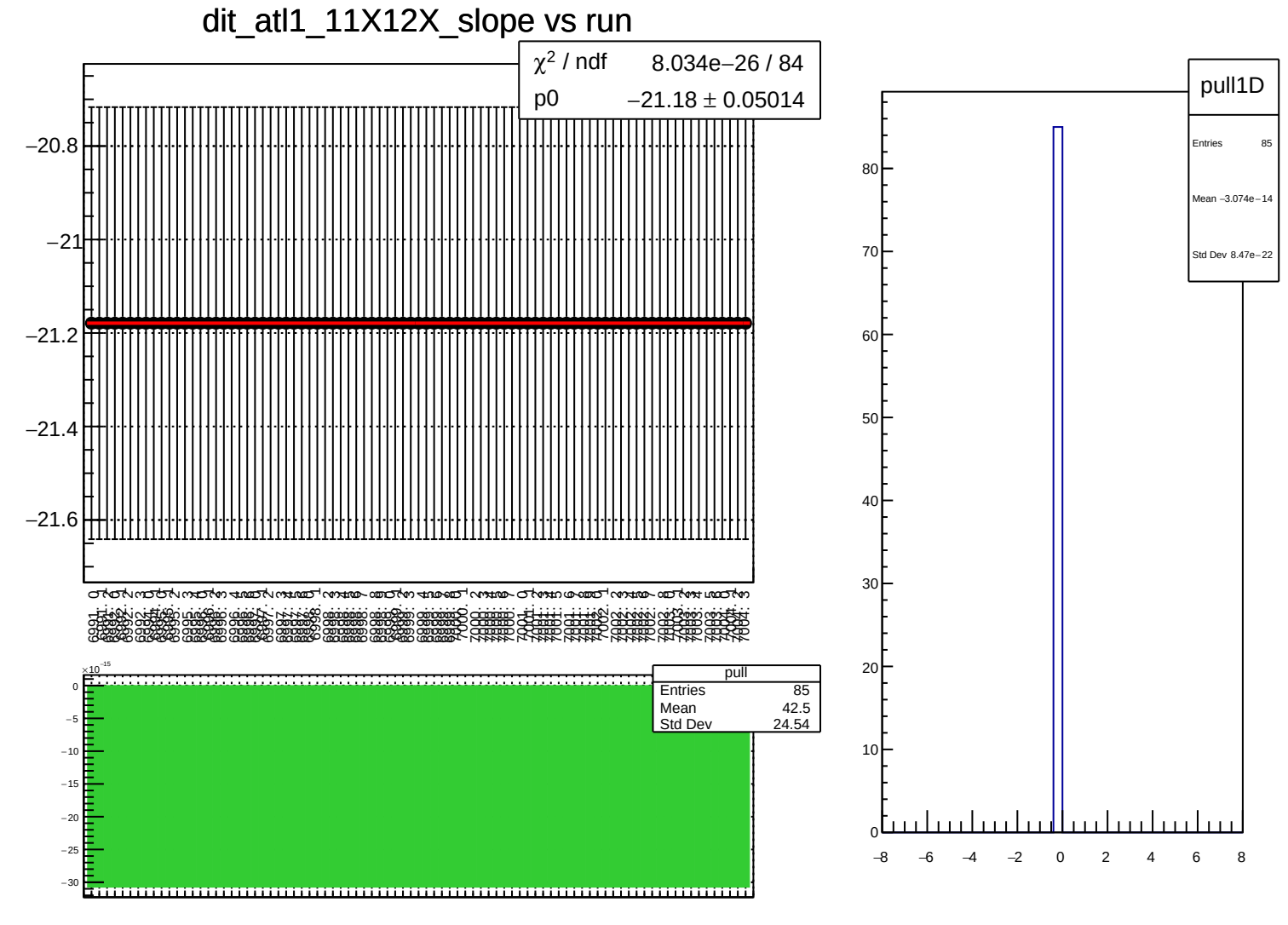

dit_usr_4aY_slope vs run
χ² / ndf 5.214e−28 / 84
p0 0.2212 ± 0.0231
pull
Entries 85
Mean 42.5
Std Dev 24.54

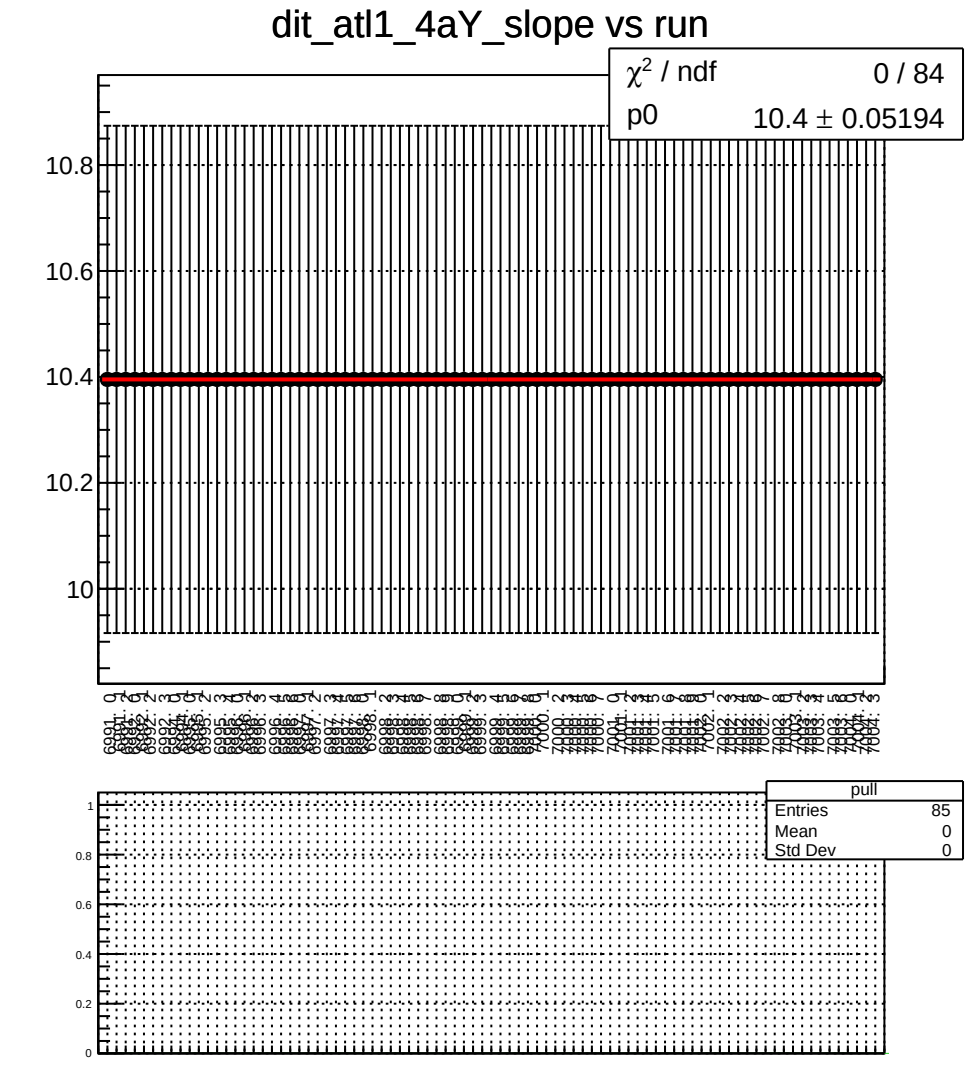

pull1D
Entries 85
Mean 2.477e−15
Std Dev 6.484e−23

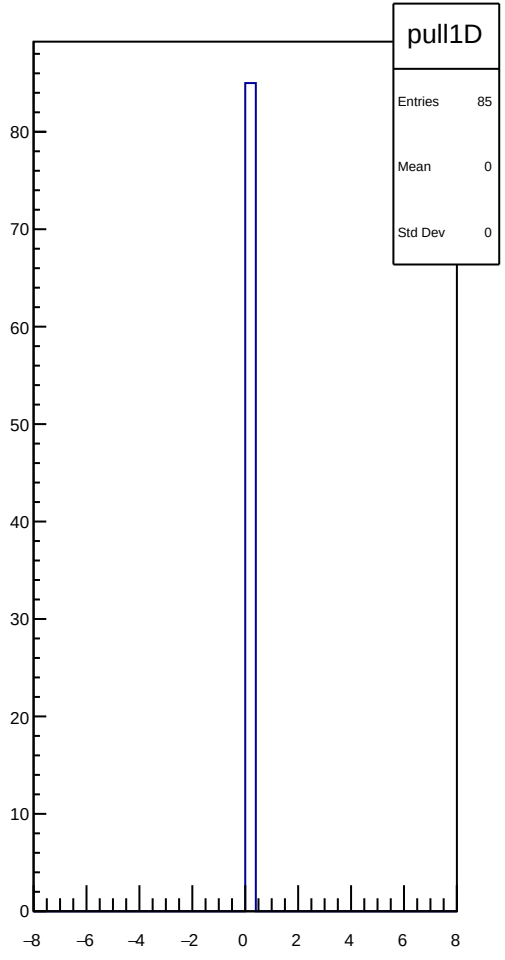

dit_usr_4eY_slope vs run
χ² / ndf 2.809e−25 / 84
p0 13.81 ± 0.02681
14.1
14
13.9
13.8
13.7
13.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 85
Mean 5.749e−14
Std Dev 1.894e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

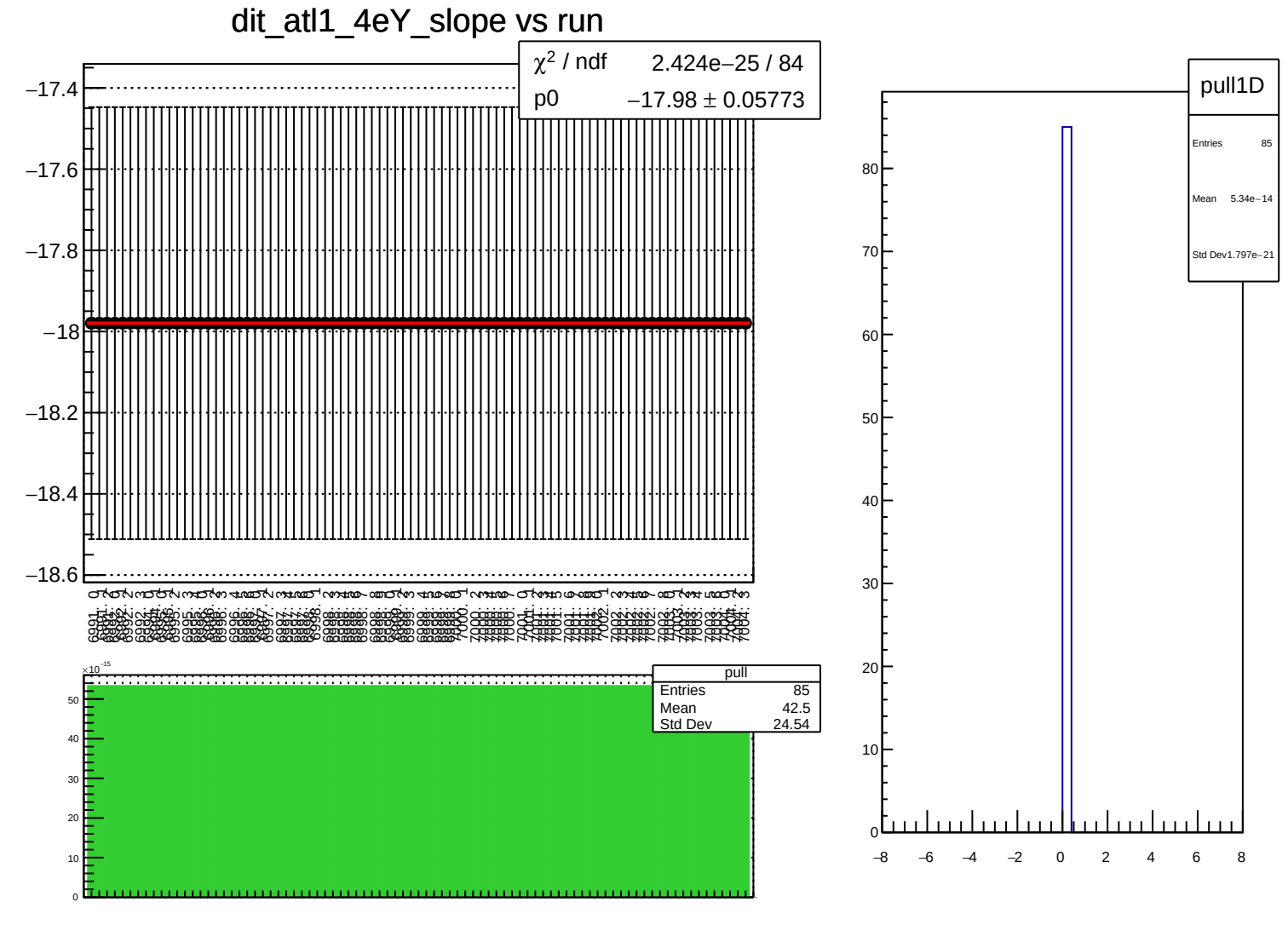

dit_atl1_4aX_slope vs run
χ² / ndf 2.333e−26 / 84
p0 −59.97 ± 0.6047
−54
−56
−58
−60
−62
−64
−66
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull1D
Entries 85
Mean 1.657e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

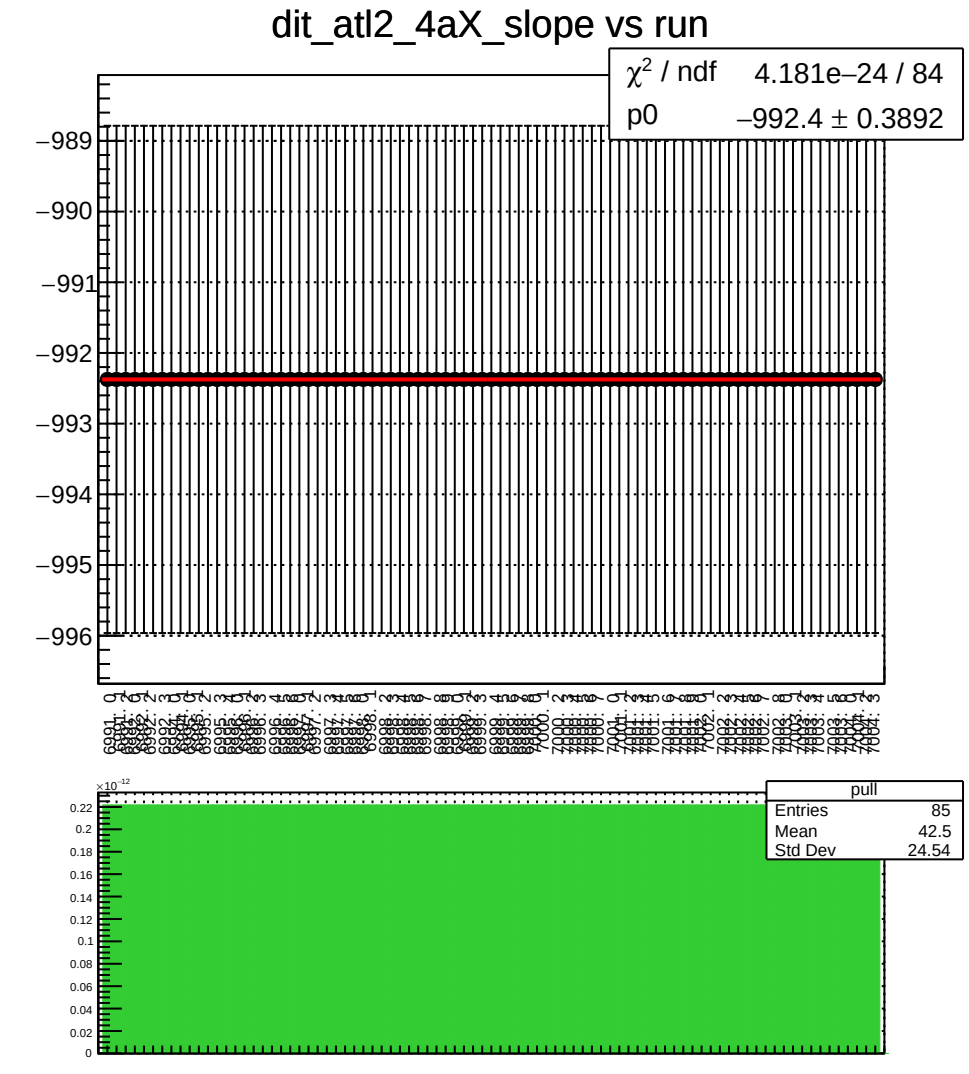

dit_atl1_4eX_slope vs run
χ^2 / ndf 4.051e−26 / 84
p0 94.54 ± 0.4943
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 2.183e−14
Std Dev1.037e−21

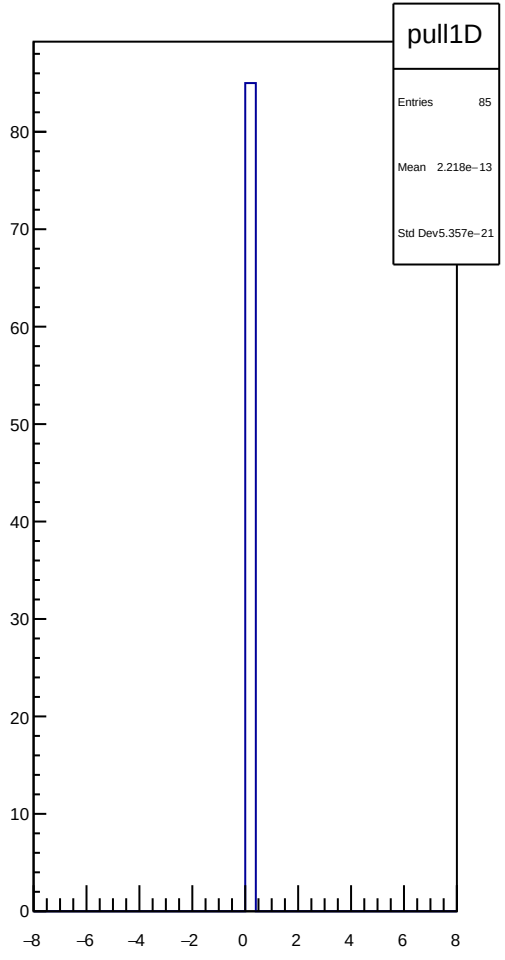

dit_atl1_11X12X_slope vs run
χ² / ndf 8.034e−26 / 84
p0 −21.18 ± 0.05014
−20.8
−21
−21.2
−21.4
−21.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 85
Mean −3.074e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

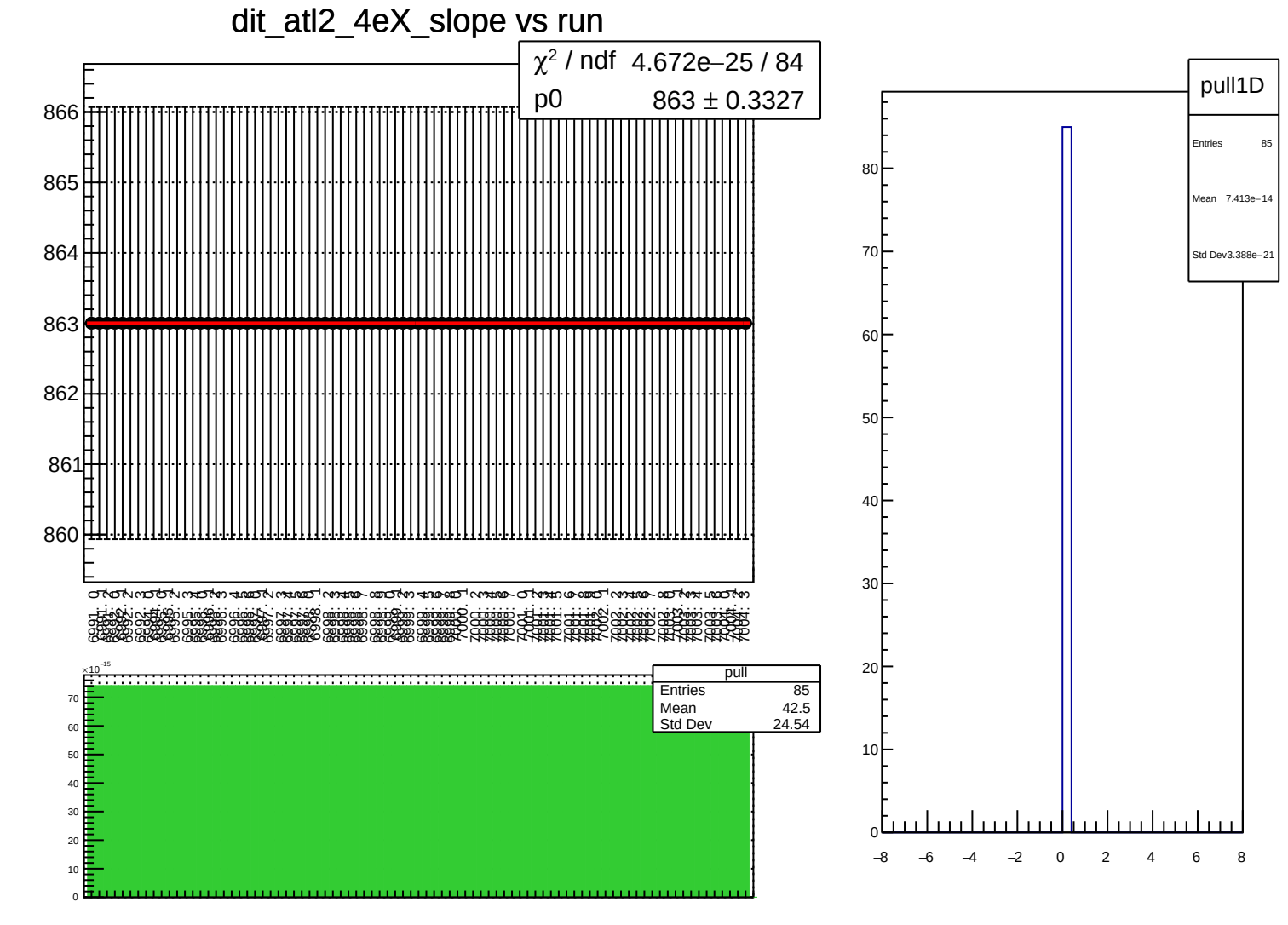

dit_atl1_4aY_slope vs run
χ^2 / ndf 0 / 84
p0 10.4 ± 0.05194
10.8
10.6
10.4
10.2
10
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

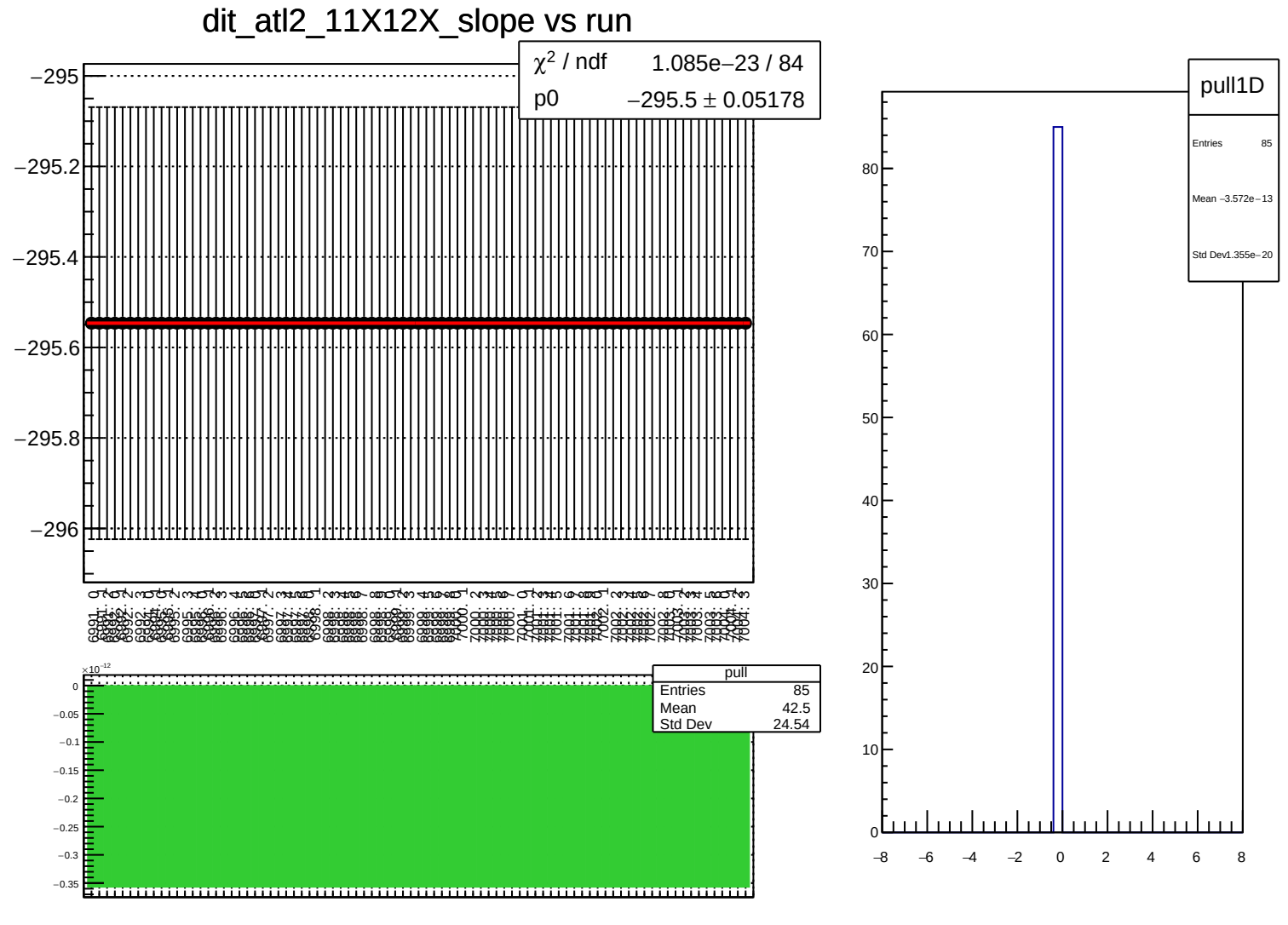

pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

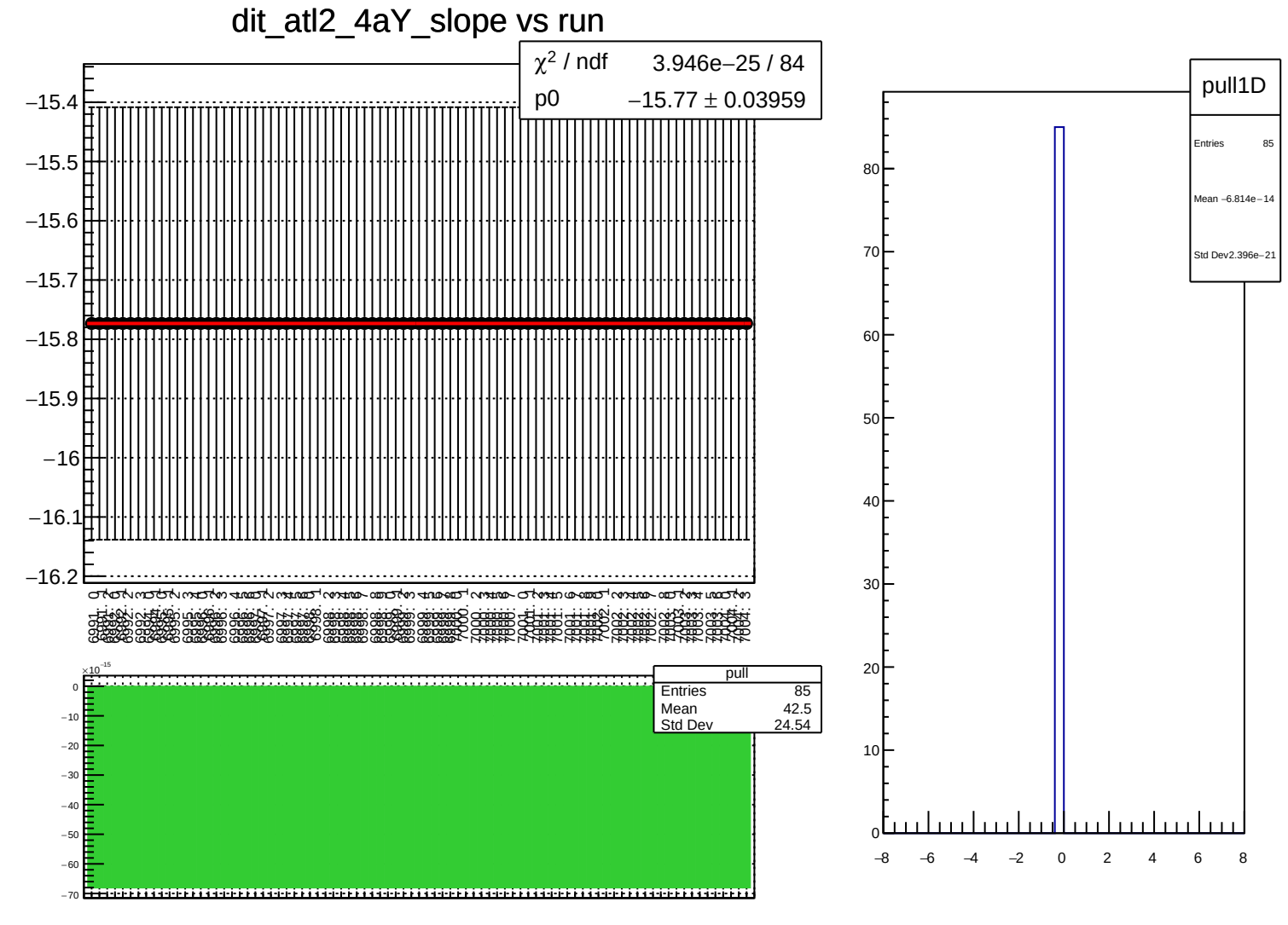

dit_atl1_4eY_slope vs run
χ² / ndf 2.424e−25 / 84
p0 −17.98 ± 0.05773
−17.4
−17.6
−17.8
−18
−18.2
−18.4
−18.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 85
Mean 5.34e−14
Std Dev 1.797e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

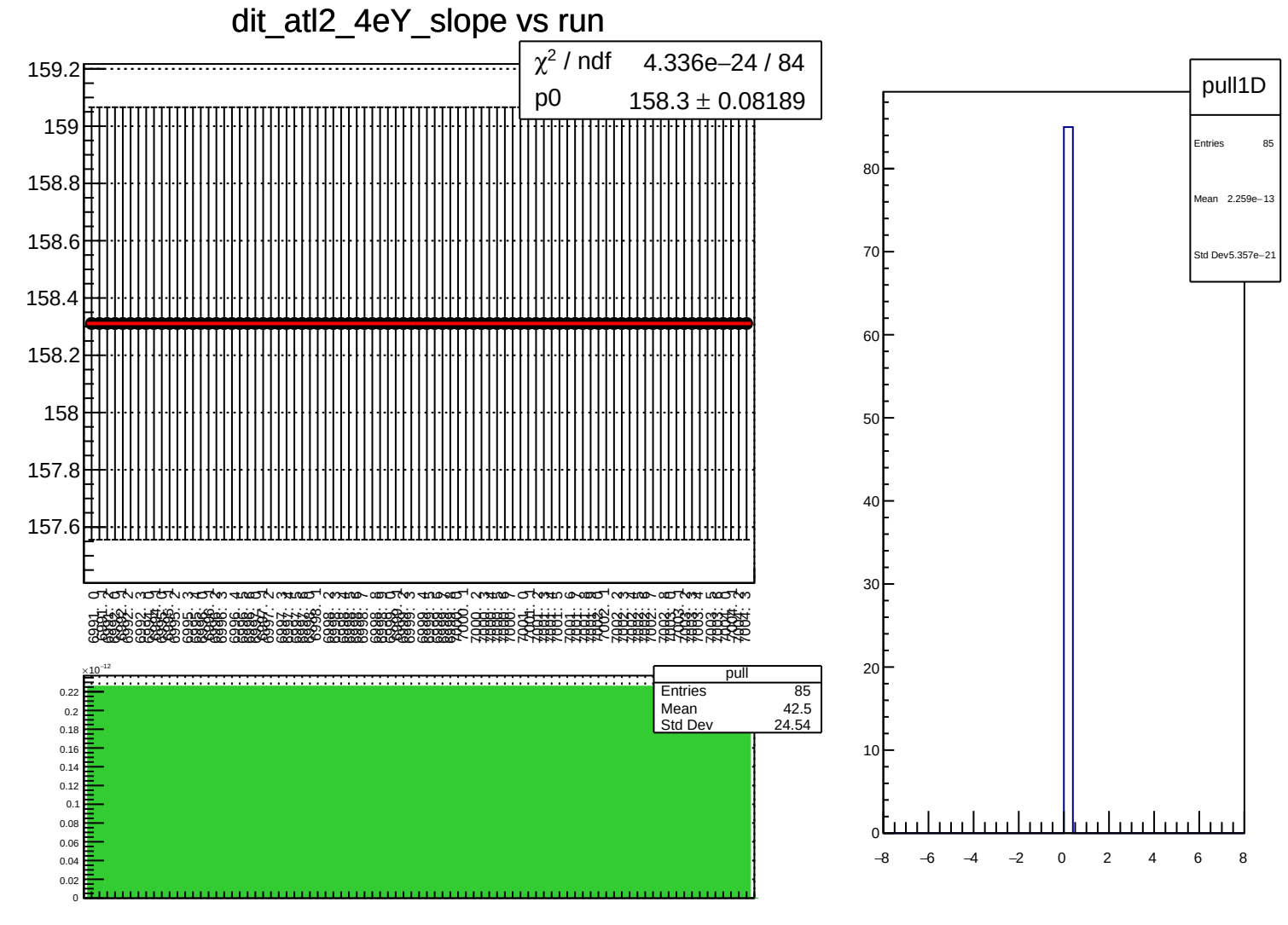

dit_atl2_4aX_slope vs run
χ² / ndf 4.181e−24 / 84
p0 −992.4 ± 0.3892
−989
−990
−991
−992
−993
−994
−995
−996
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

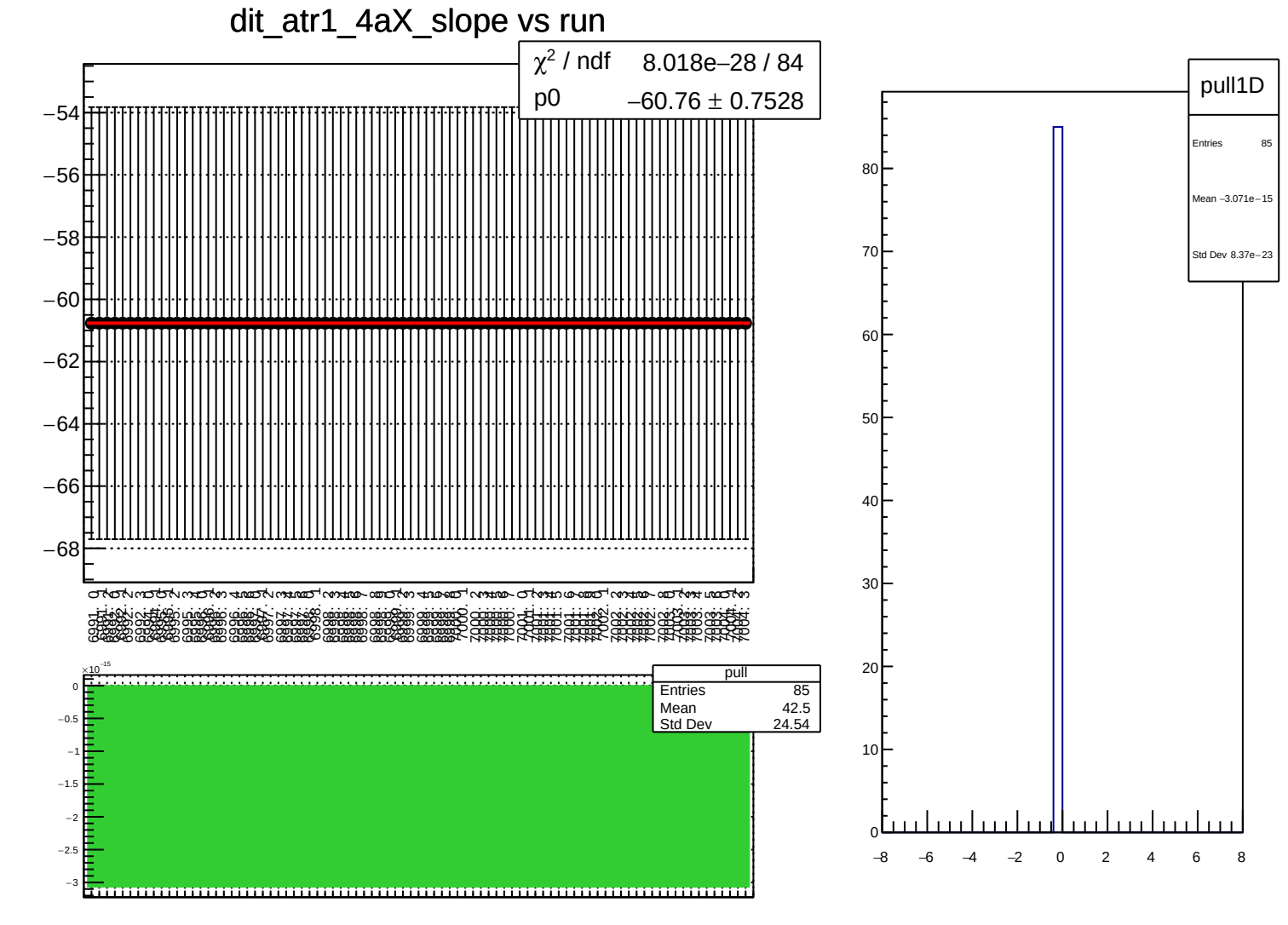

pull1D
Entries 85
Mean 2.218e−13
Std Dev5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

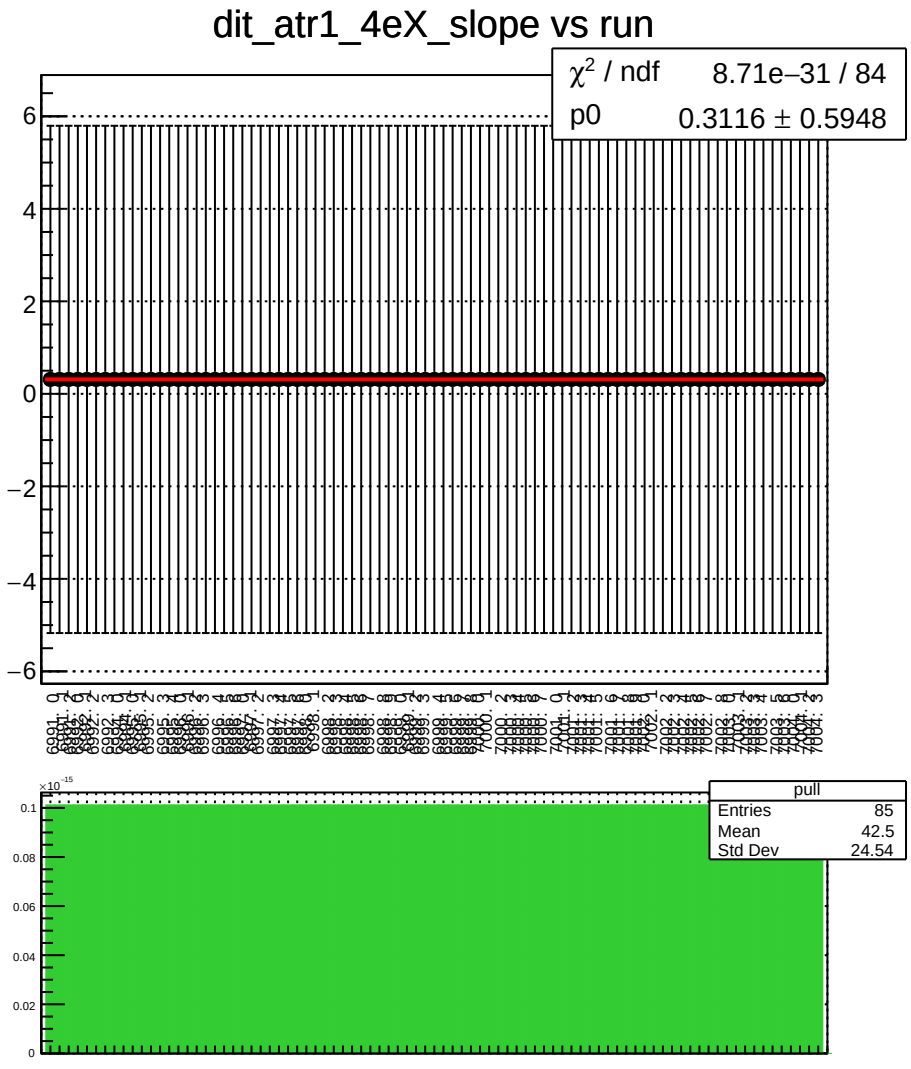

dit_atl2_4eX_slope vs run
χ² / ndf 4.672e−25 / 84
p0 863 ± 0.3327
866
865
864
863
862
861
860
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
70
60
50
40
30
20
10
0
pull1D
Entries 85
Mean 7.413e−14
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

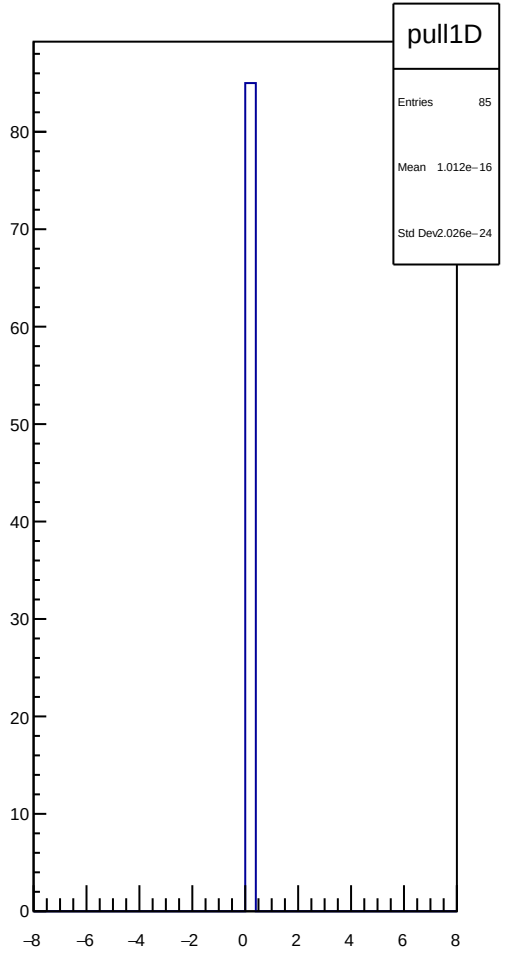

dit_atl2_11X12X_slope vs run
χ² / ndf 1.085e−23 / 84
p0 −295.5 ± 0.05178
−295
−295.2
−295.4
−295.6
−295.8
−296
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull1D
Entries 85
Mean −3.572e−13
Std Dev1.355e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

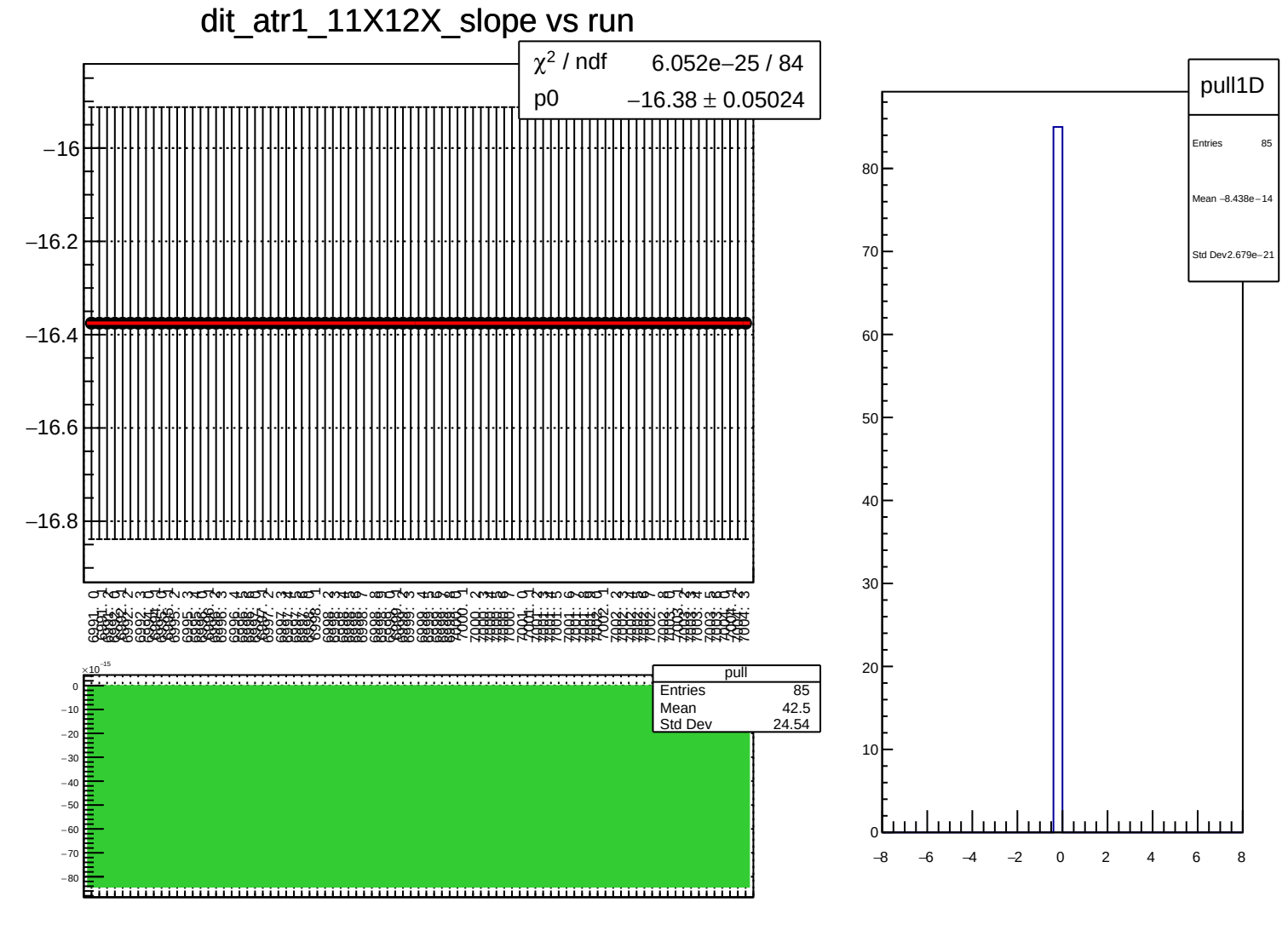

dit_atl2_4aY_slope vs run
χ² / ndf 3.946e−25 / 84
p0 −15.77 ± 0.03959
−15.4
−15.5
−15.6
−15.7
−15.8
−15.9
−16
−16.1
−16.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 85
Mean −6.814e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

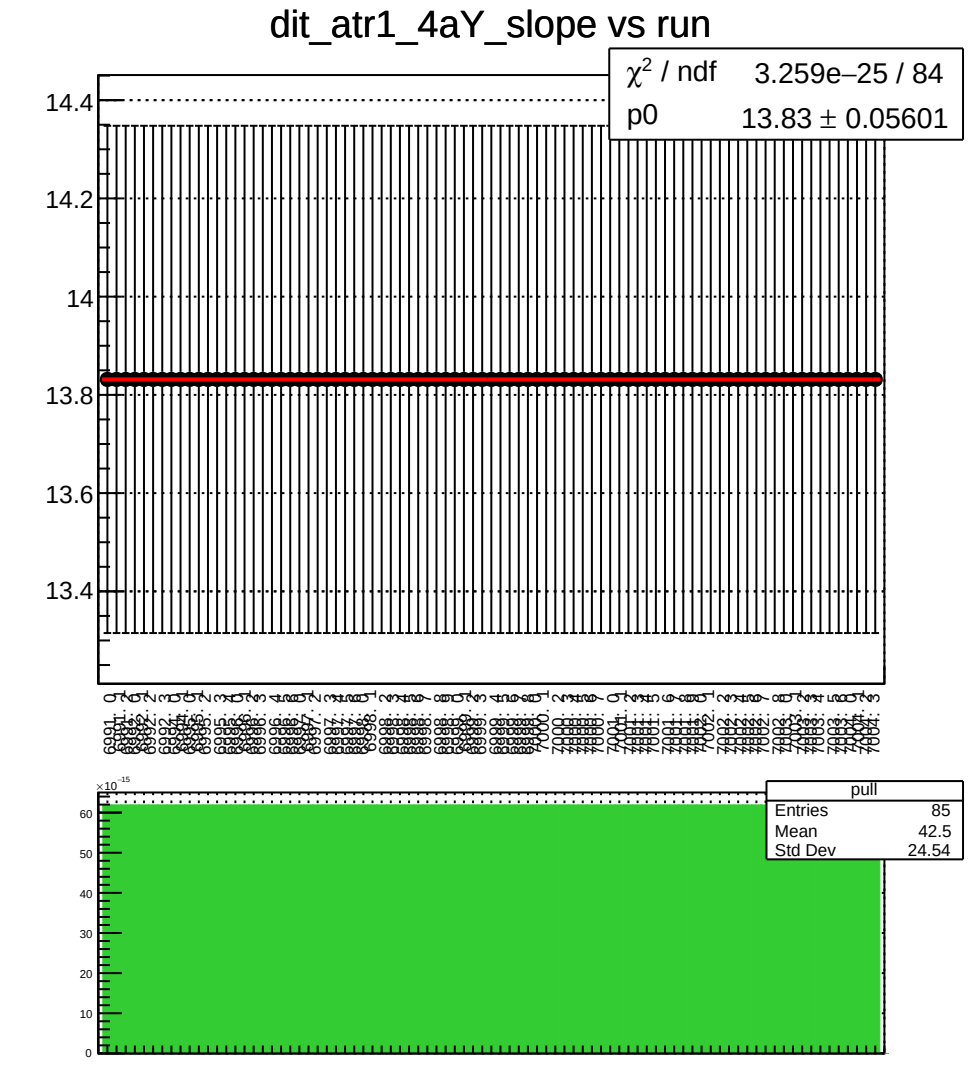

dit_atl2_4eY_slope vs run
χ² / ndf 4.336e−24 / 84
p0 158.3 ± 0.08189
159.2
159
158.8
158.6
158.4
158.2
158
157.8
157.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 85
Mean 2.259e−13
Std Dev5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

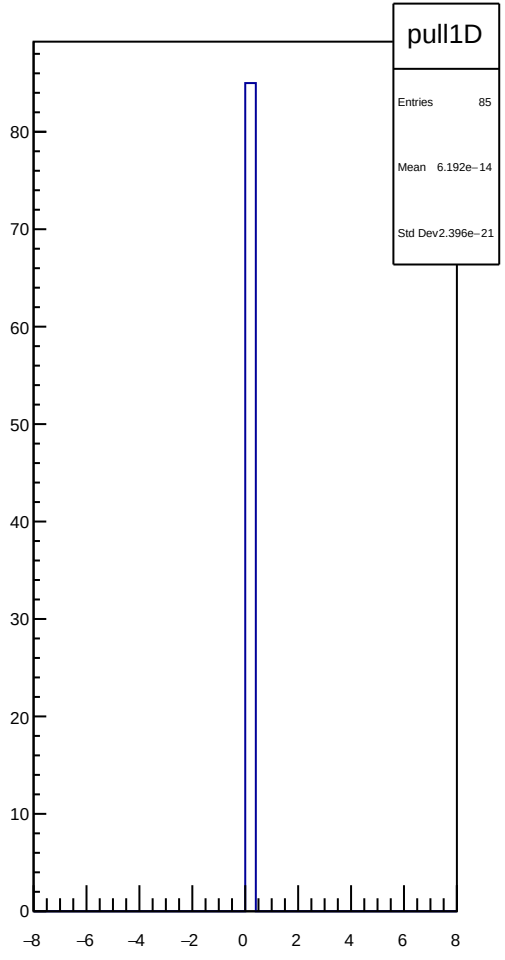

dit_atr1_4aX_slope vs run
χ² / ndf 8.018e−28 / 84
p0 −60.76 ± 0.7528
−54
−56
−58
−60
−62
−64
−66
−68
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 85
Mean −3.071e−15
Std Dev 8.37e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

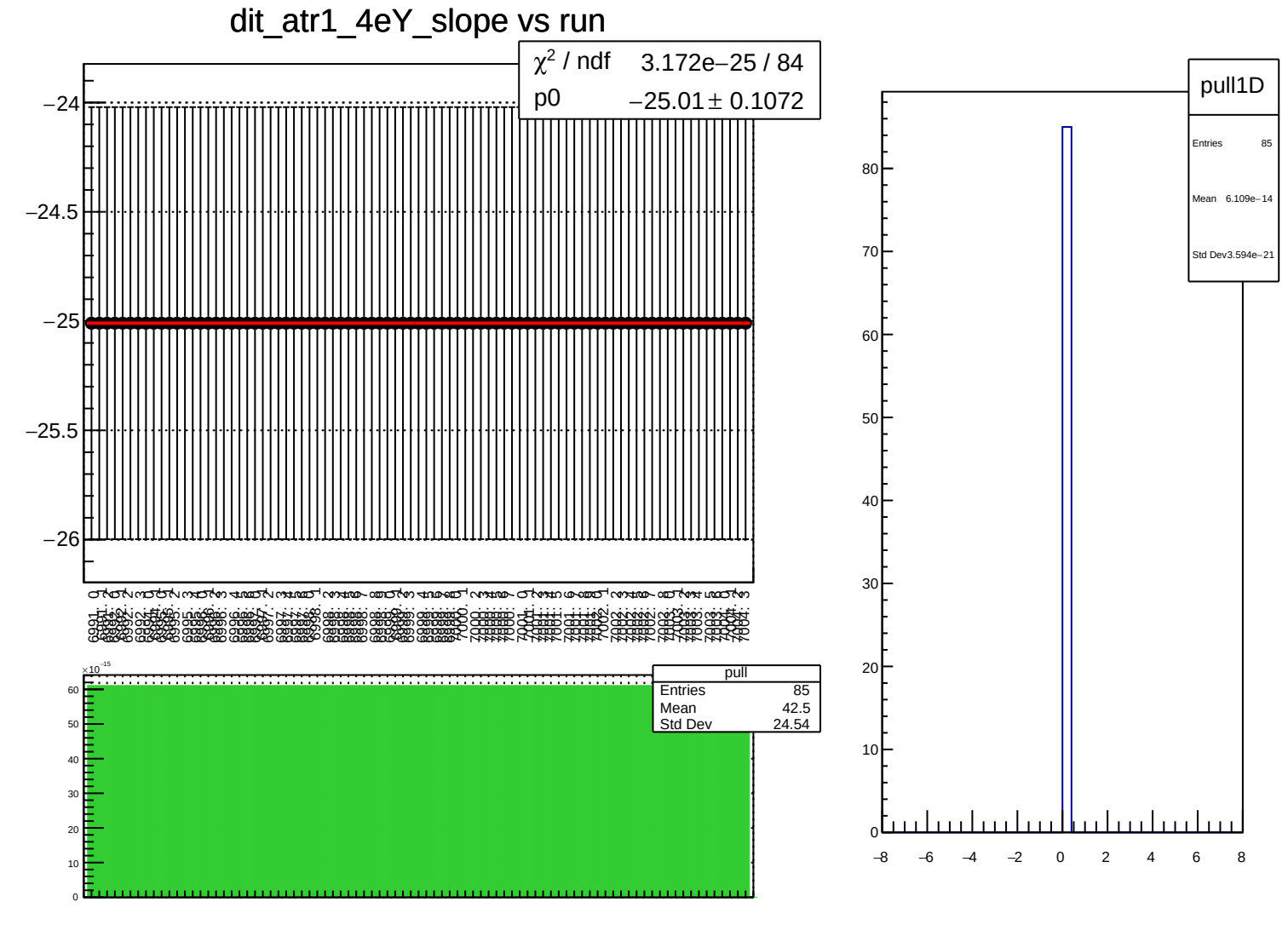

dit_atr1_4eX_slope vs run
χ² / ndf 8.71e−31 / 84
p0 0.3116 ± 0.5948
pull
Entries 85
Mean 42.5
Std Dev 24.54

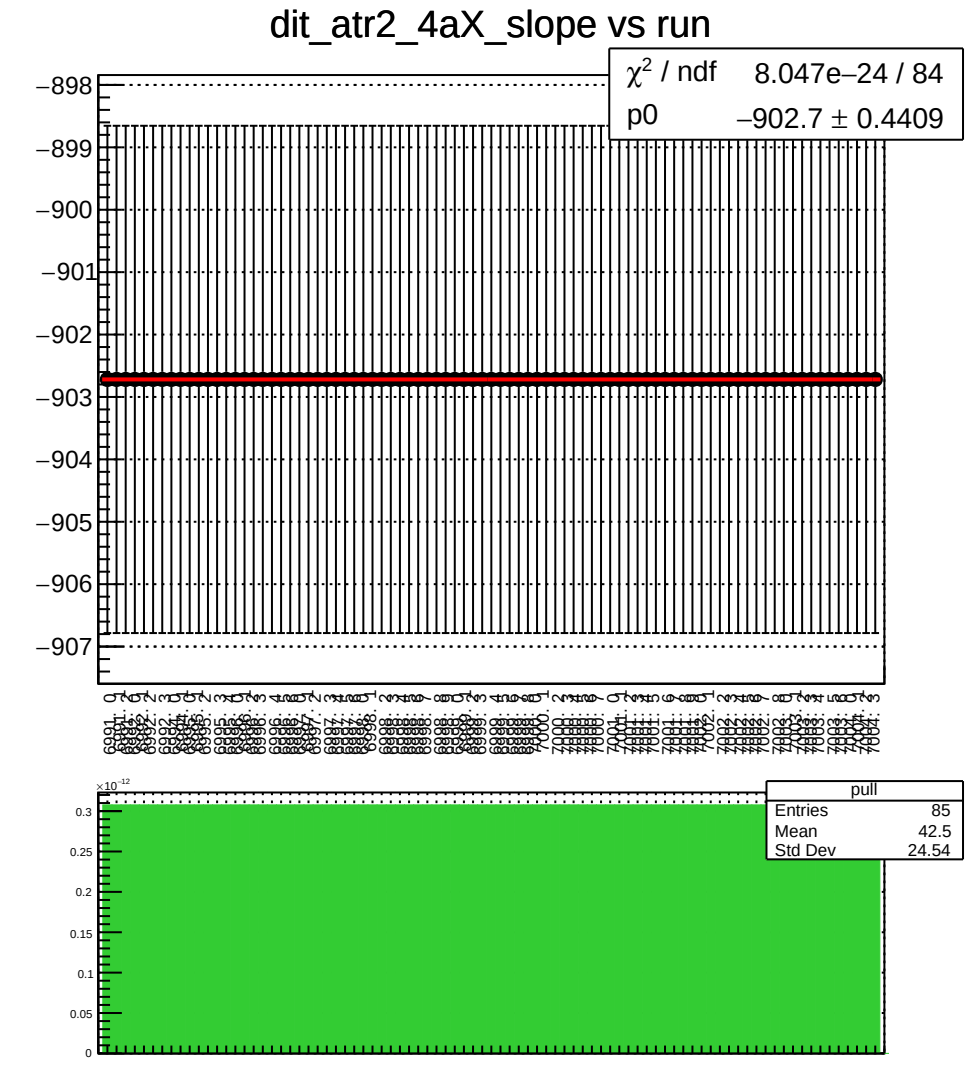

pull1D
Entries 85
Mean 1.012e−16
Std Dev 2.026e−24

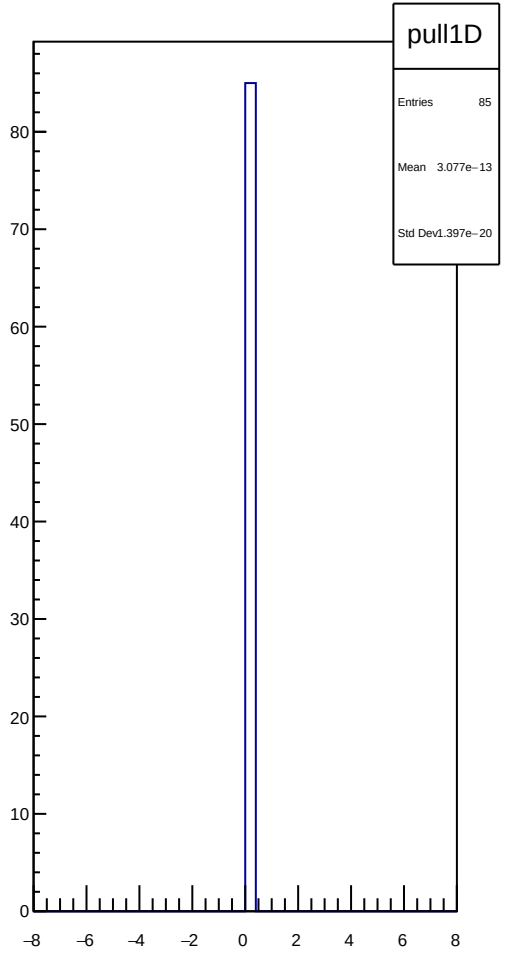

dit_atr1_11X12X_slope vs run
χ² / ndf 6.052e−25 / 84
p0 −16.38 ± 0.05024
−16
−16.2
−16.4
−16.6
−16.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 85
Mean −8.438e−14
Std Dev2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

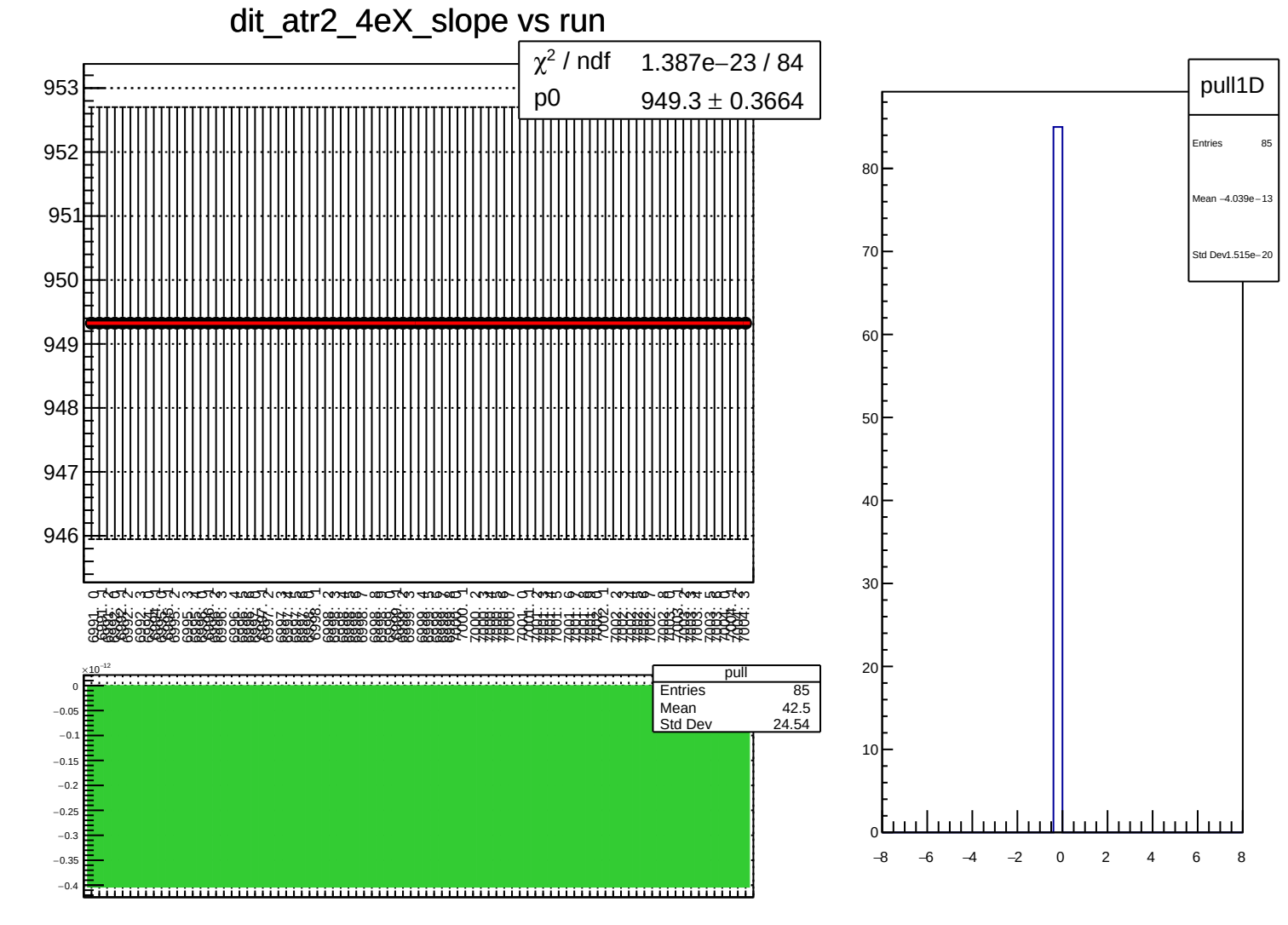

dit_atr1_4aY_slope vs run
χ² / ndf 3.259e−25 / 84
p0 13.83 ± 0.05601
14.4
14.2
14
13.8
13.6
13.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
60
50
40
30
20
10
0

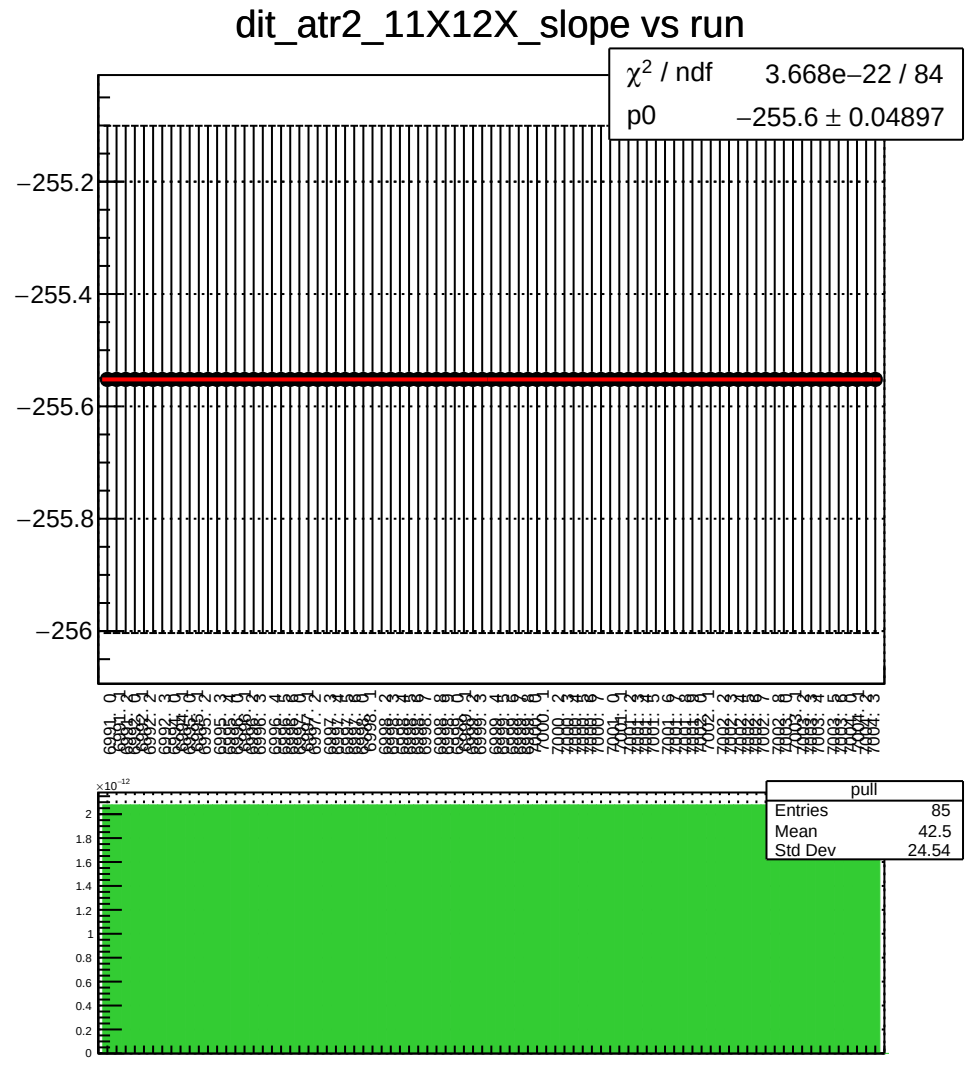

pull1D
Entries 85
Mean 6.192e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

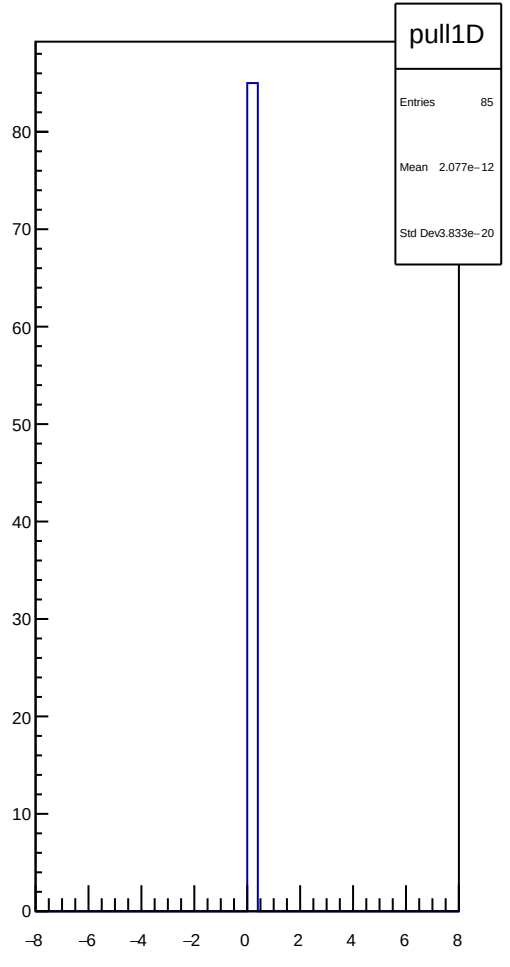

dit_atr1_4eY_slope vs run
χ² / ndf 3.172e−25 / 84
p0 −25.01 ± 0.1072
−24
−24.5
−25
−25.5
−26
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 6.109e−14
Std Dev3.594e−21

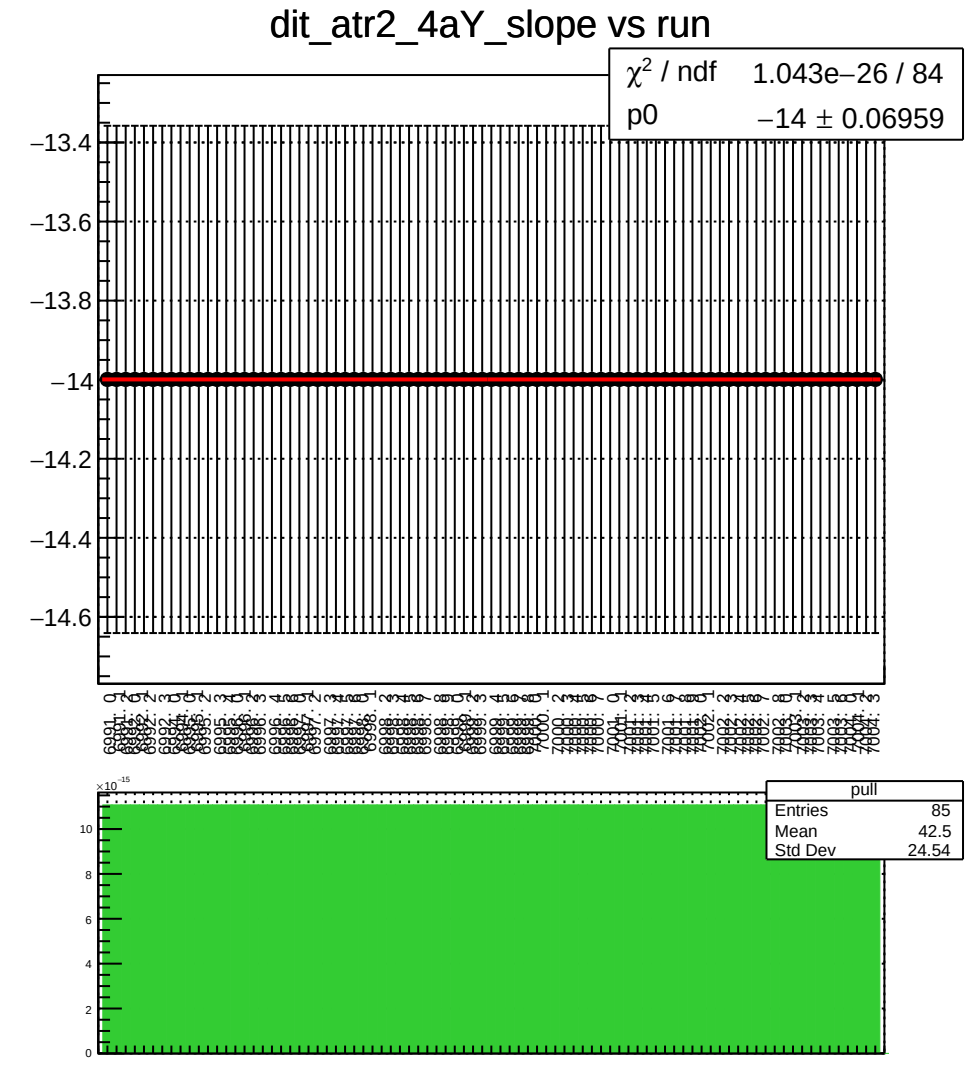

dit_atr2_4aX_slope vs run
χ² / ndf 8.047e−24 / 84
p0 −902.7 ± 0.4409
−898
−899
−900
−901
−902
−903
−904
−905
−906
−907
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0

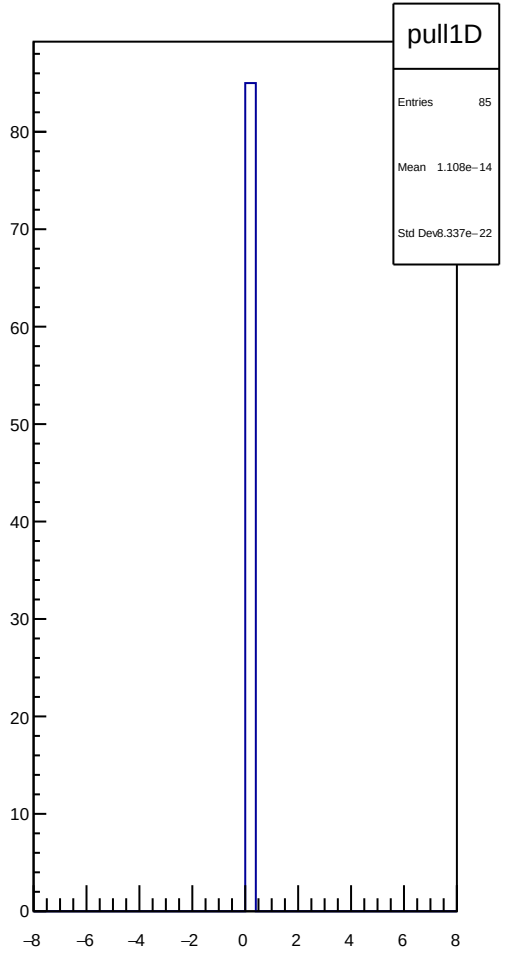

pull1D
Entries 85
Mean 3.077e−13
Std Dev1.397e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

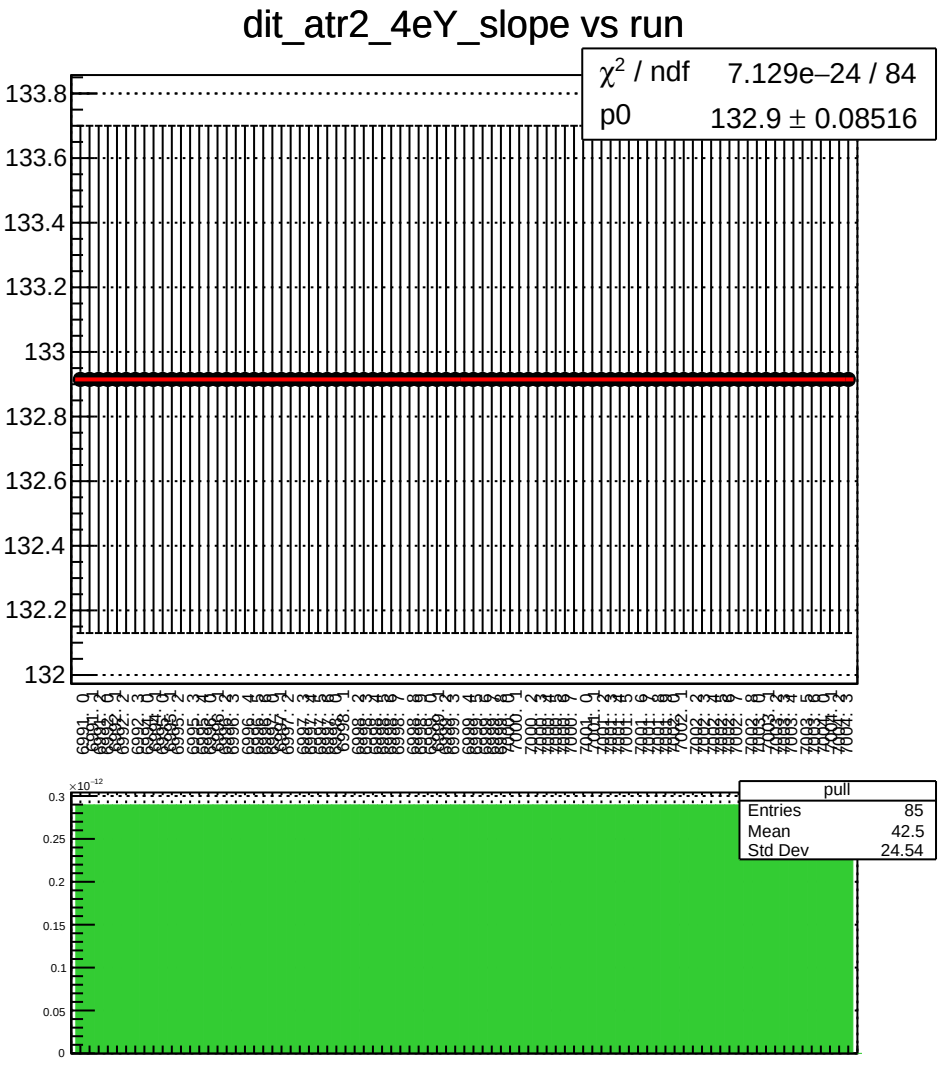

dit_atr2_4eX_slope vs run
χ² / ndf 1.387e−23 / 84
p0 949.3 ± 0.3664
953
952
951
950
949
948
947
946
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 85
Mean −4.039e−13
Std Dev1.515e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

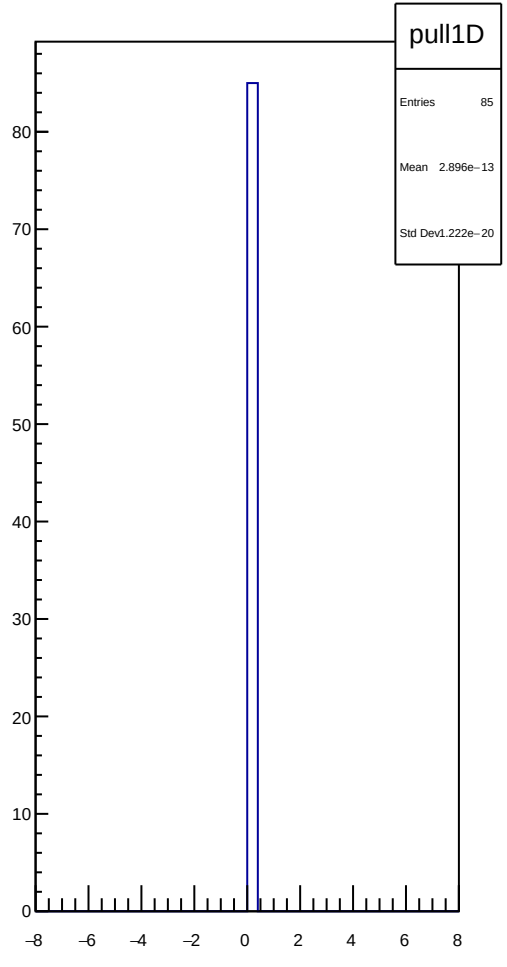

dit_atr2_11X12X_slope vs run
χ^2 / ndf 3.668e−22 / 84
p0 −255.6 ± 0.04897
−255.2
−255.4
−255.6
−255.8
−256
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

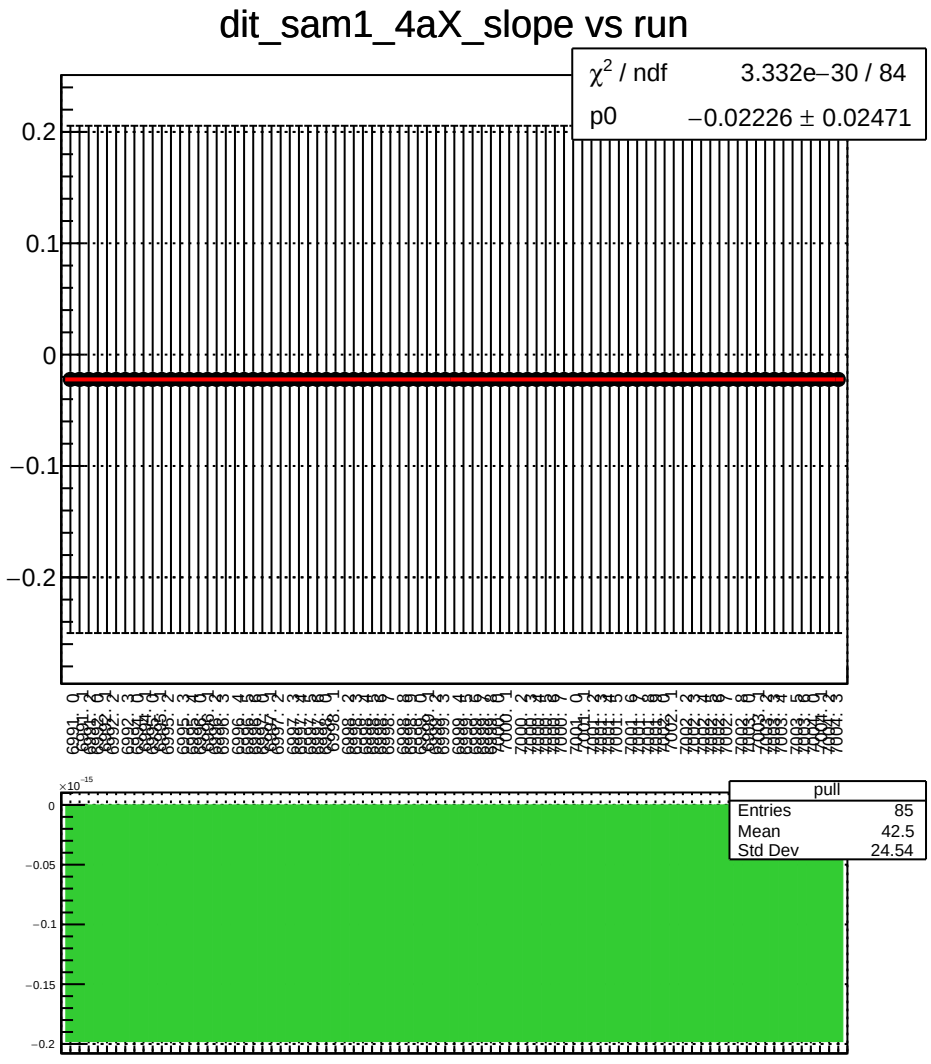

pull1D
Entries 85
Mean 2.077e−12
Std Dev 3.833e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

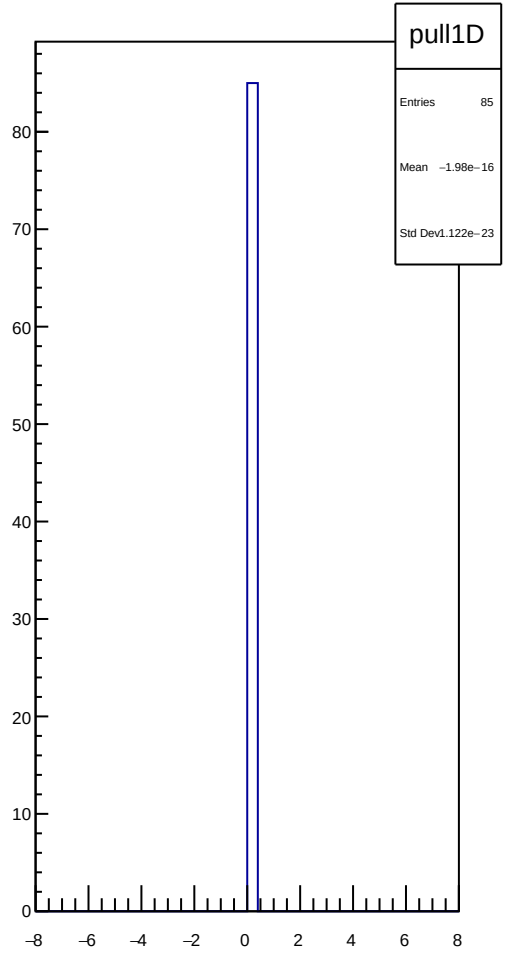

dit_atr2_4aY_slope vs run
χ^2 / ndf 1.043e−26 / 84
p0 −14 ± 0.06959
−13.4
−13.6
−13.8
−14
−14.2
−14.4
−14.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
10
8
6
4
2
0

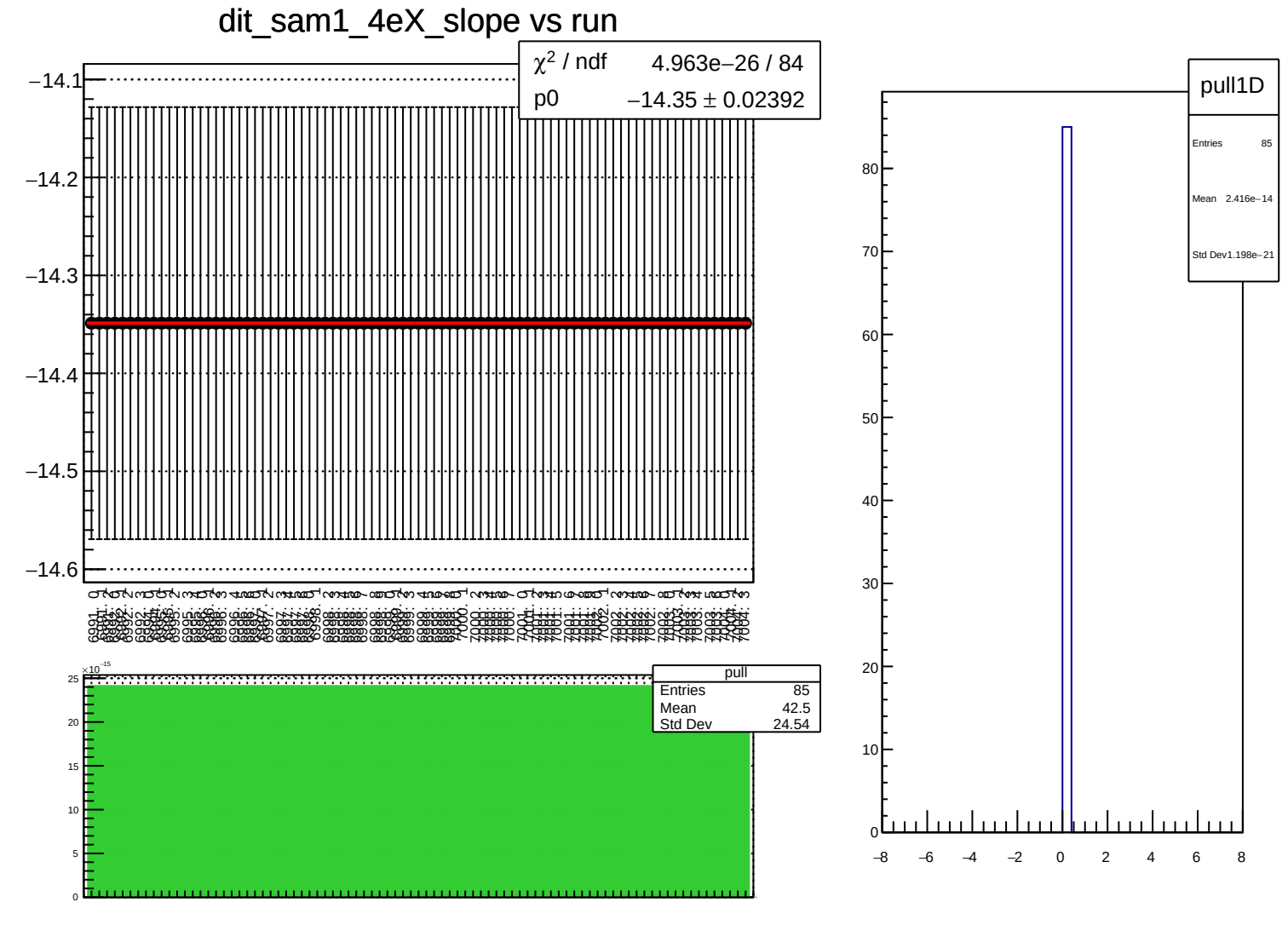

pull1D
Entries 85
Mean 1.108e−14
Std Dev 8.337e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

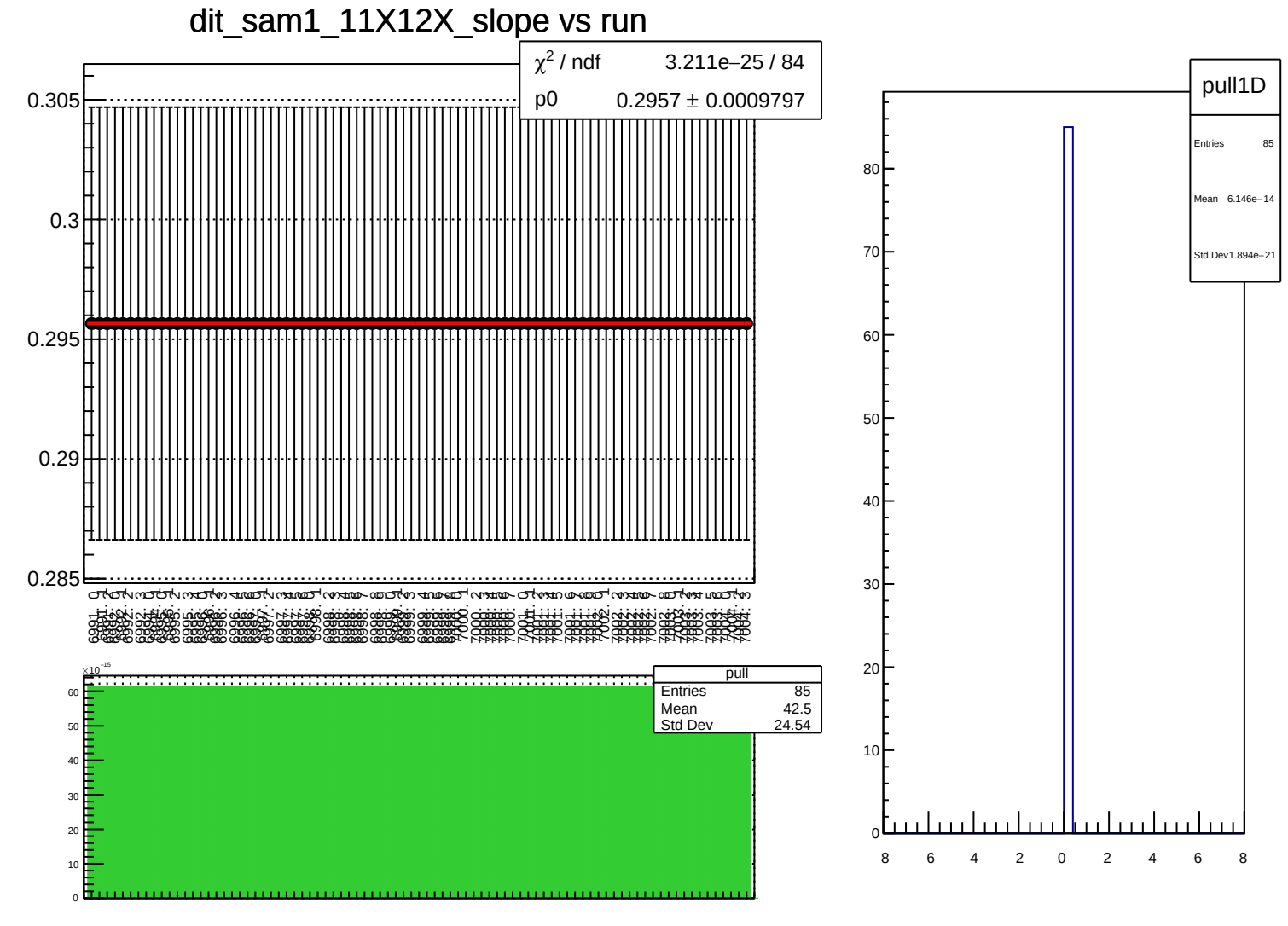

dit_atr2_4eY_slope vs run
χ² / ndf 7.129e−24 / 84
p0 132.9 ± 0.08516
133.8
133.6
133.4
133.2
133
132.8
132.6
132.4
132.2
132
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 85
Mean 42.5
Std Dev 24.54

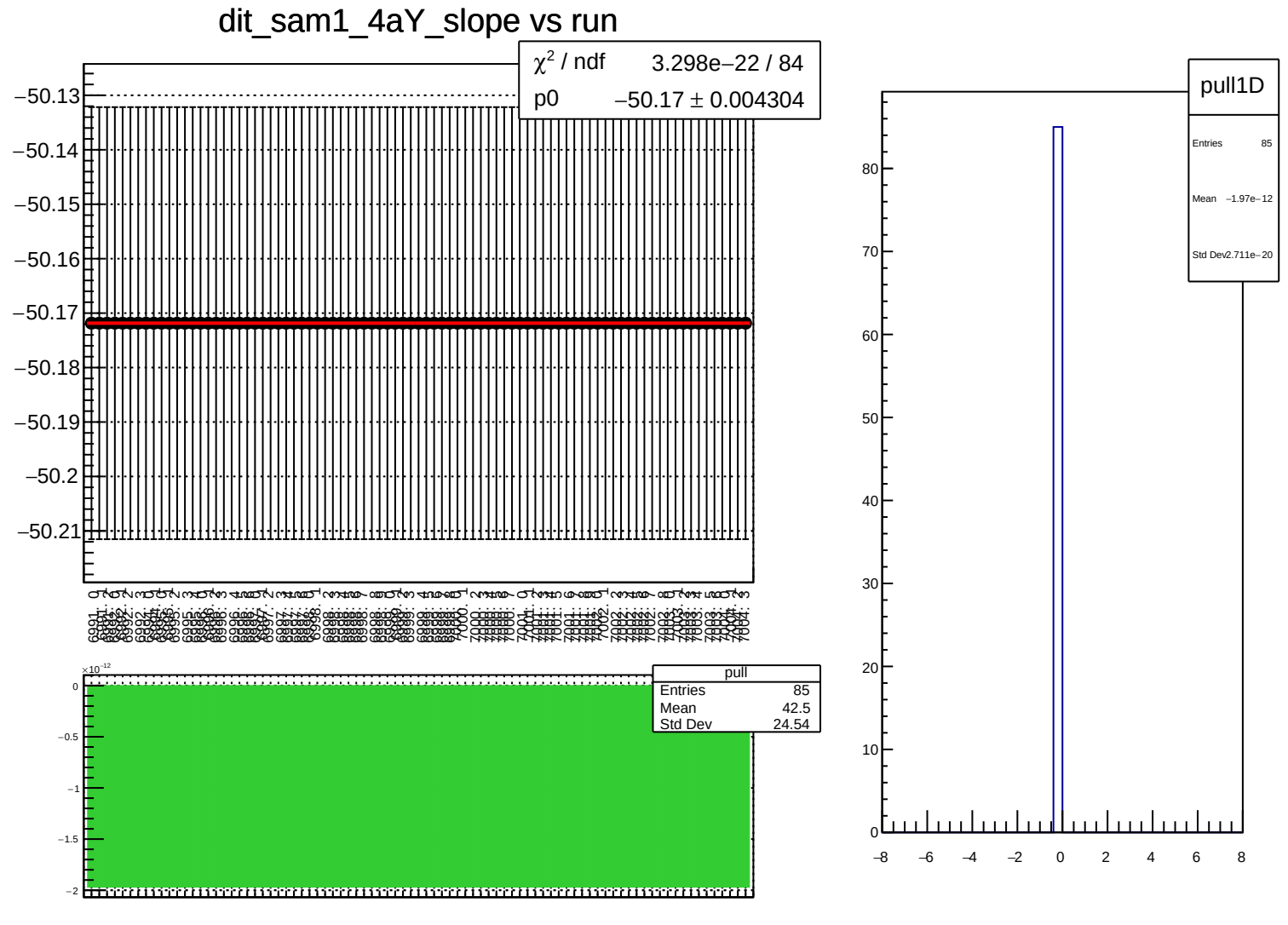

pull1D
Entries 85
Mean 2.896e−13
Std Dev1.222e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

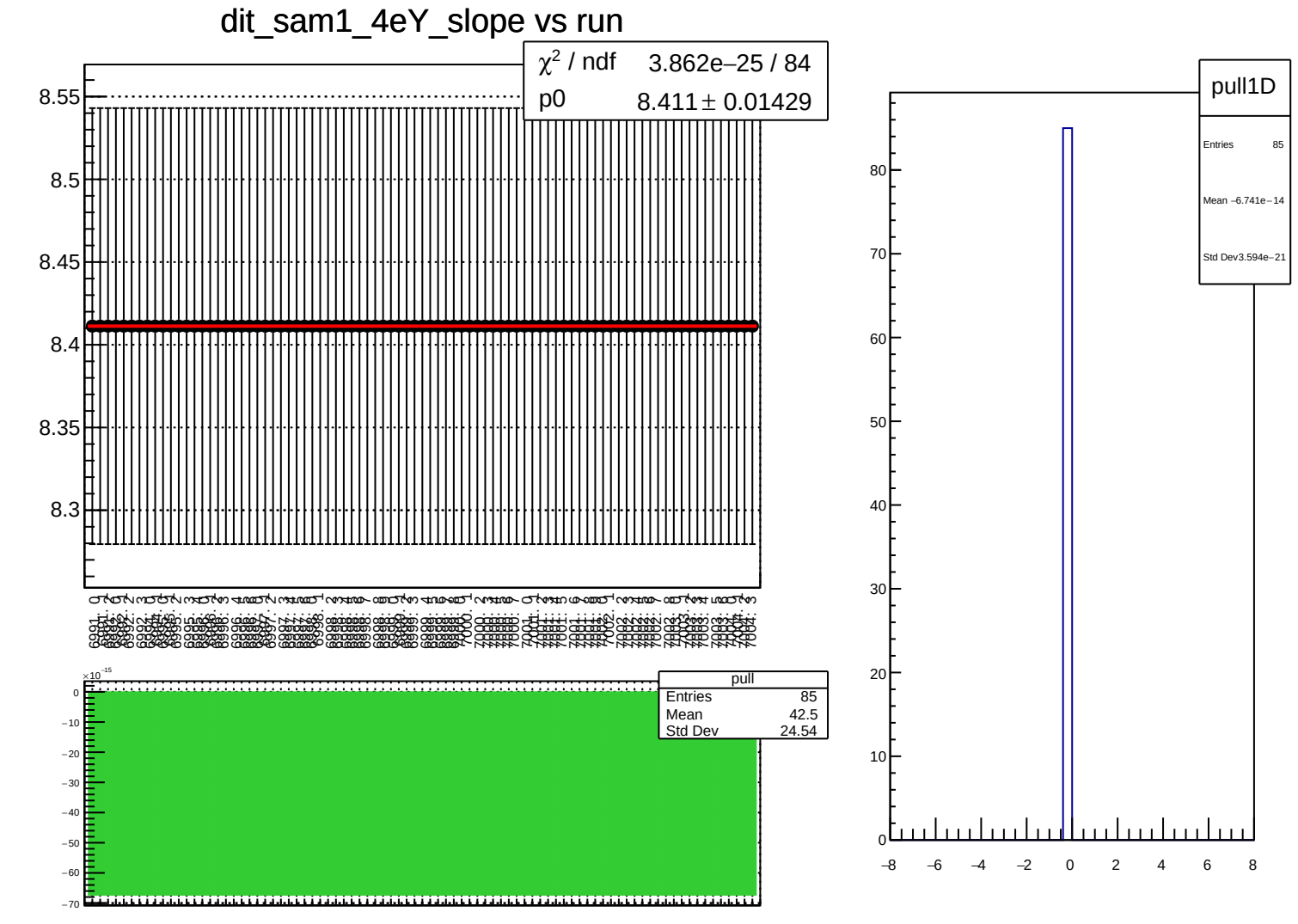

dit_sam1_4aX_slope vs run
χ² / ndf 3.332e−30 / 84
p0 −0.02226 ± 0.02471
0.2
0.1
0
−0.1
−0.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−0.05
−0.1
−0.15
−0.2

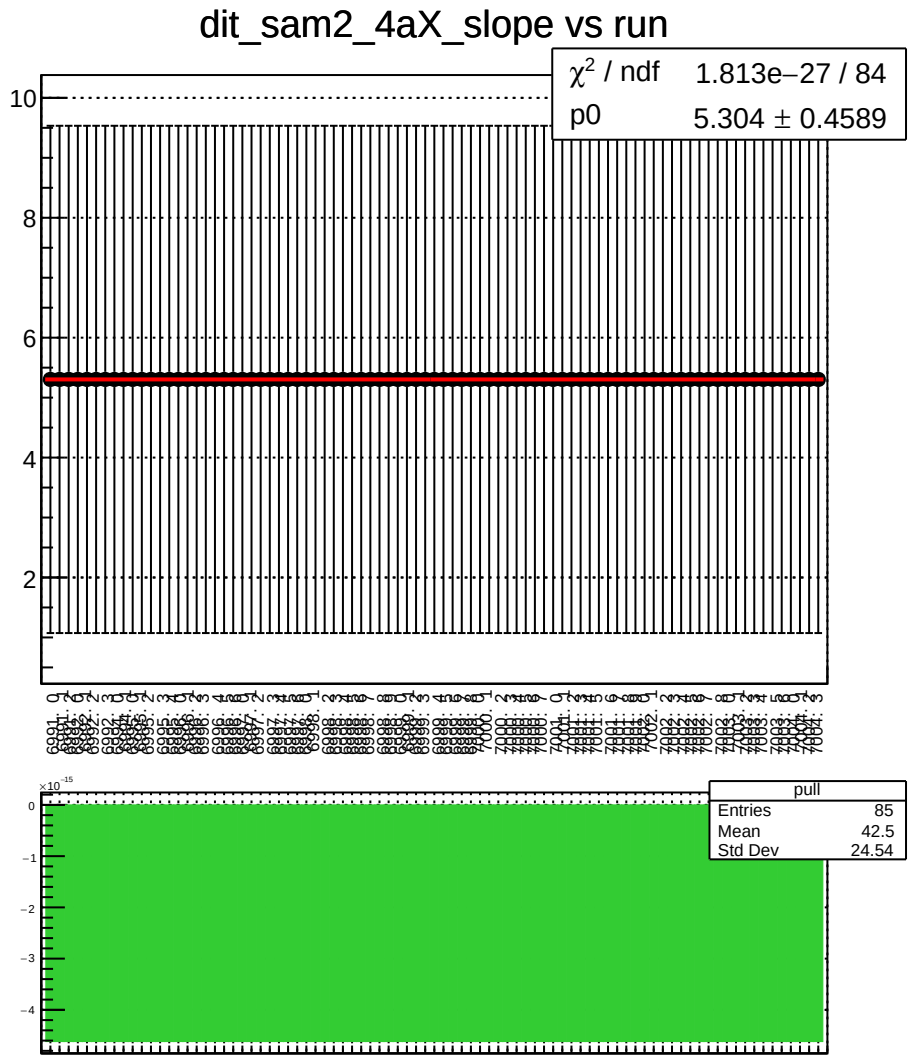

pull1D
Entries 85
Mean −1.98e−16
Std Dev1.122e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

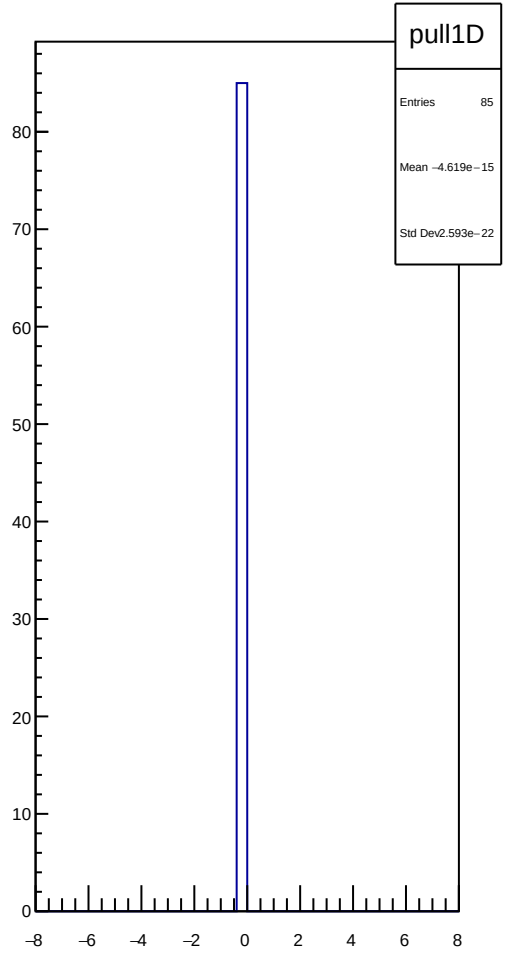

dit_sam1_4eX_slope vs run
χ² / ndf 4.963e−26 / 84
p0 −14.35 ± 0.02392
−14.1
−14.2
−14.3
−14.4
−14.5
−14.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 85
Mean 2.416e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

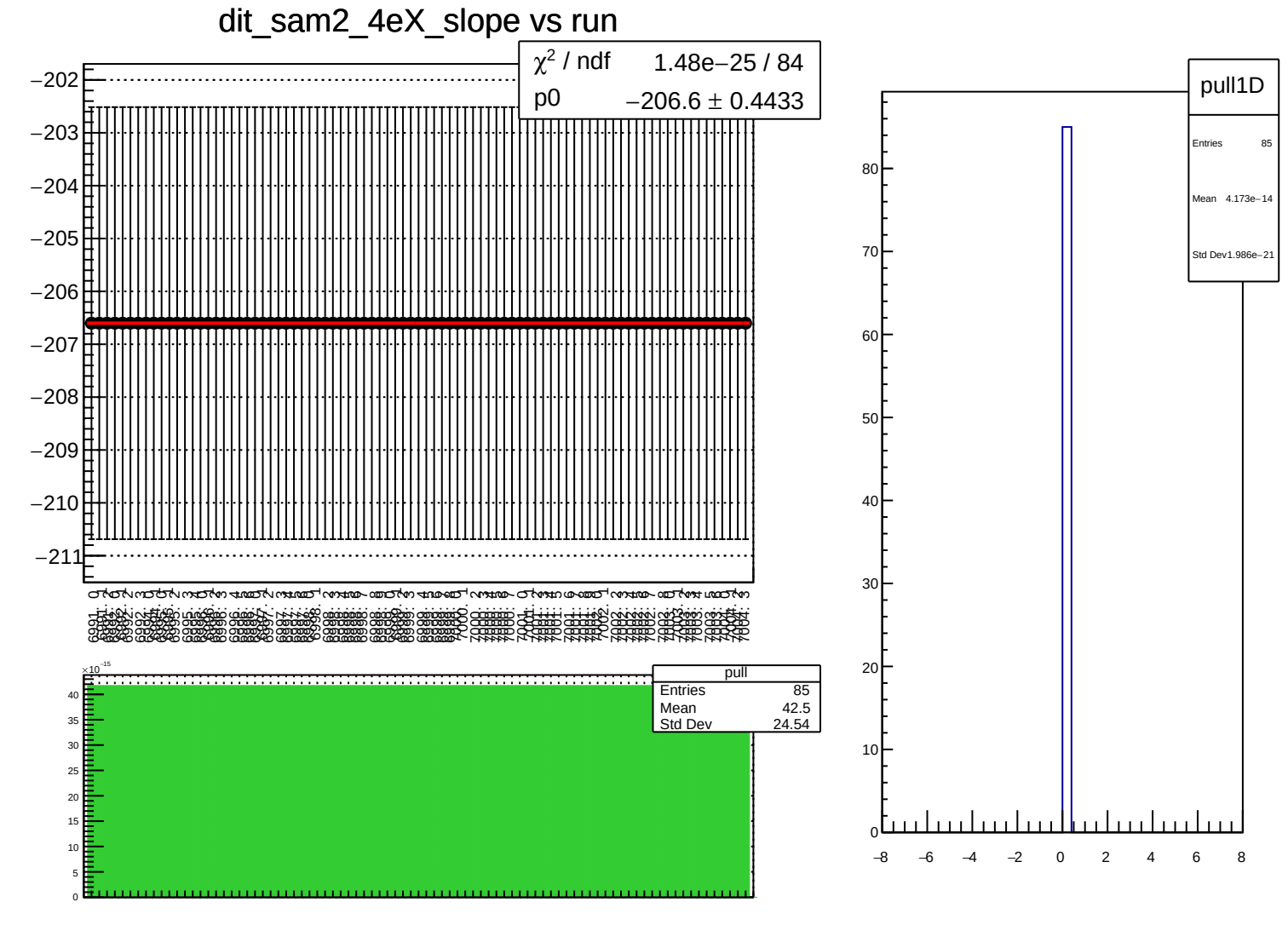

dit_sam1_11X12X_slope vs run
χ² / ndf 3.211e−25 / 84
p0 0.2957 ± 0.0009797
0.305
0.3
0.295
0.29
0.285
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 6.146e−14
Std Dev 1.894e−21

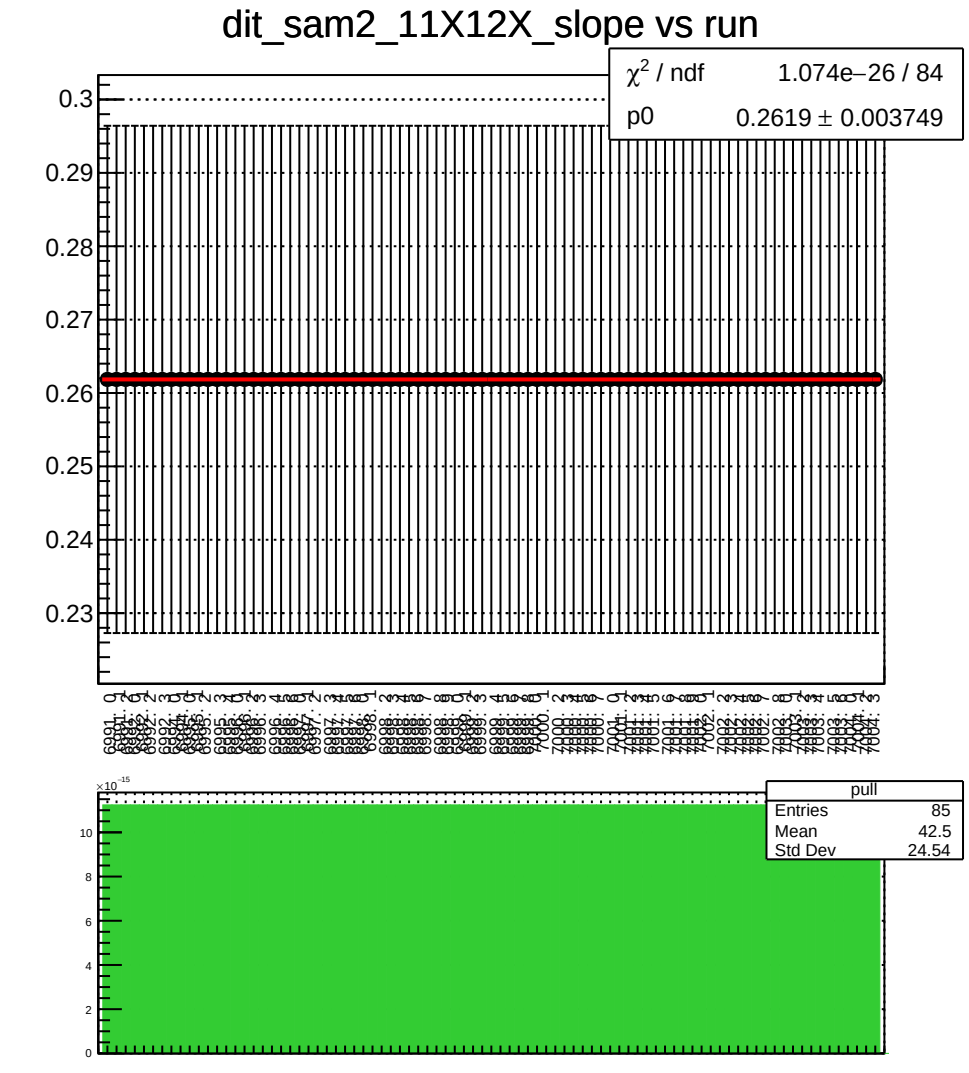

dit_sam1_4aY_slope vs run
χ² / ndf 3.298e−22 / 84
p0 −50.17 ± 0.004304
−50.13
−50.14
−50.15
−50.16
−50.17
−50.18
−50.19
−50.2
−50.21
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −1.97e−12
Std Dev 2.711e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

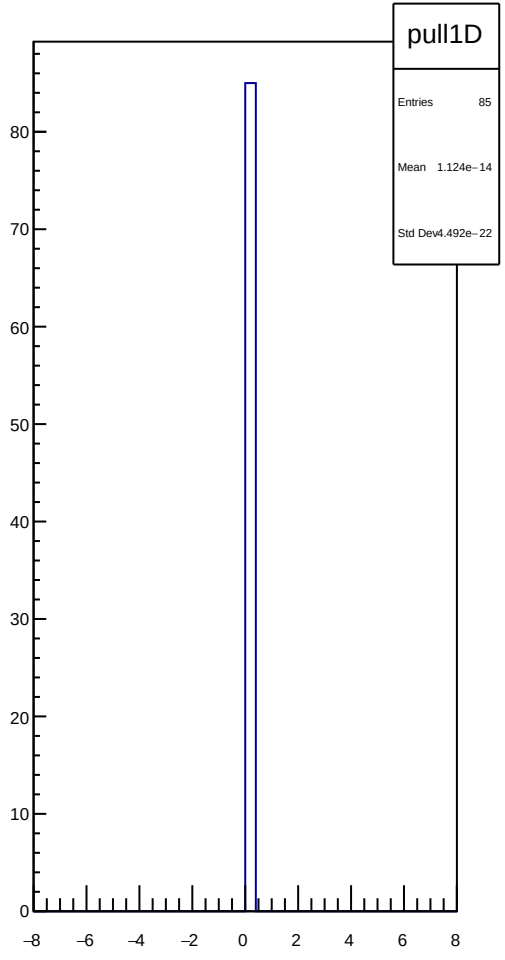

dit_sam1_4eY_slope vs run
χ² / ndf 3.862e−25 / 84
p0 8.411 ± 0.01429
8.55
8.5
8.45
8.4
8.35
8.3
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 85
Mean −6.741e−14
Std Dev3.594e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

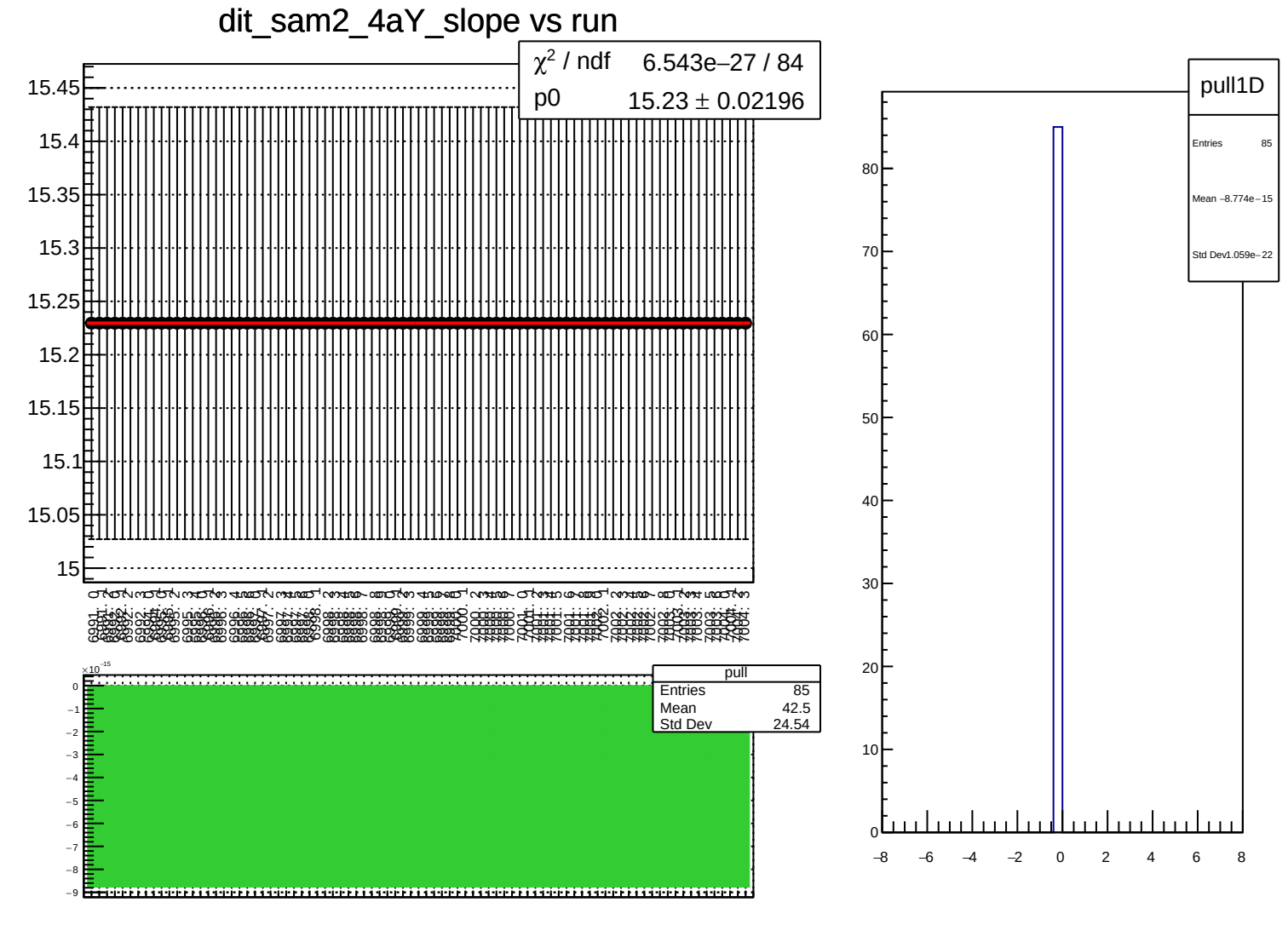

dit_sam2_4aX_slope vs run
χ^2 / ndf 1.813e−27 / 84
p0 5.304 ± 0.4589
pull
Entries 85
Mean 42.5
Std Dev 24.54

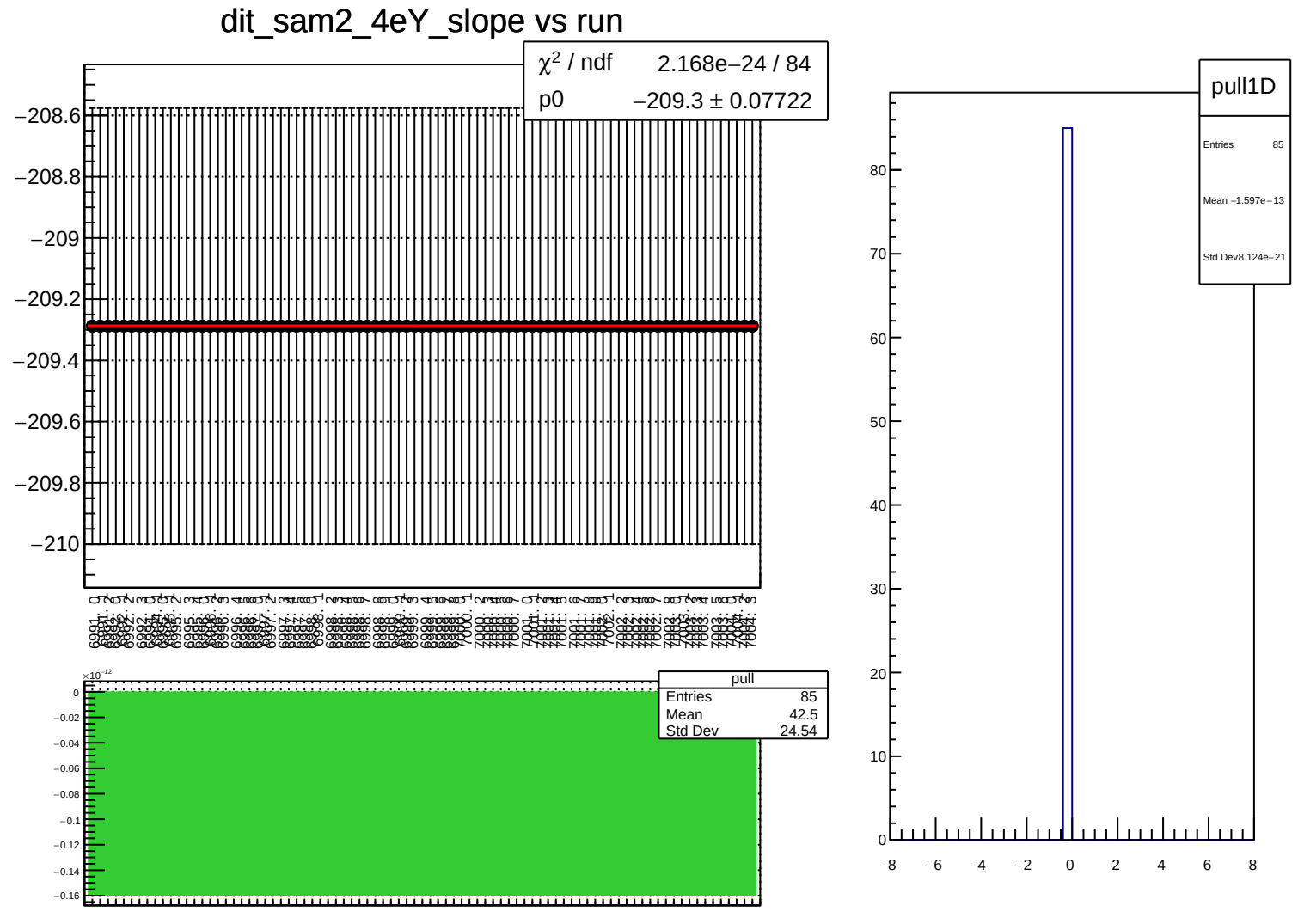

pull1D
Entries 85
Mean −4.619e−15
Std Dev 2.593e−22

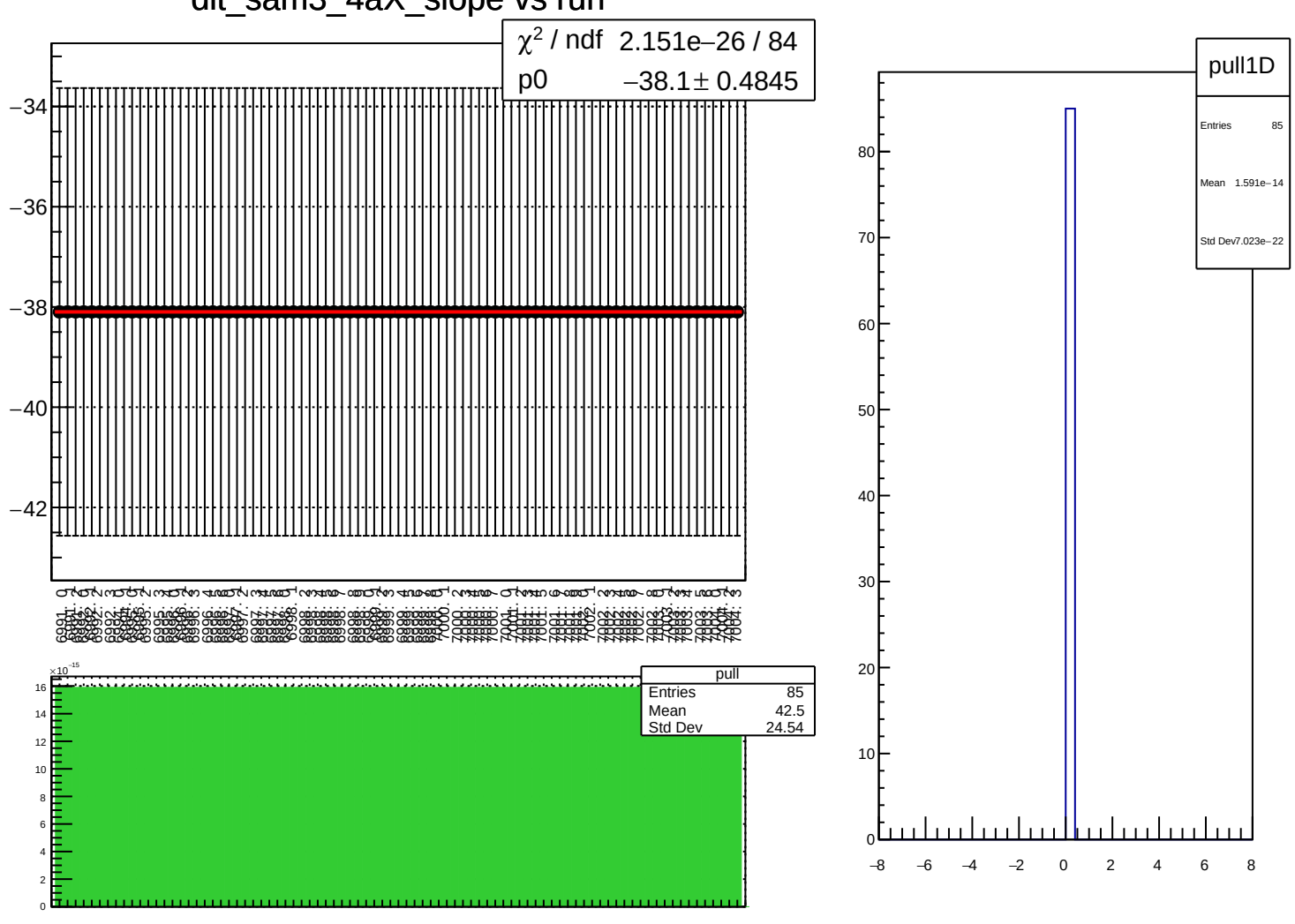

dit_sam2_4eX_slope vs run
χ² / ndf 1.48e−25 / 84
p0 −206.6 ± 0.4433
−202
−203
−204
−205
−206
−207
−208
−209
−210
−211
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 85
Mean 4.173e−14
Std Dev 1.986e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

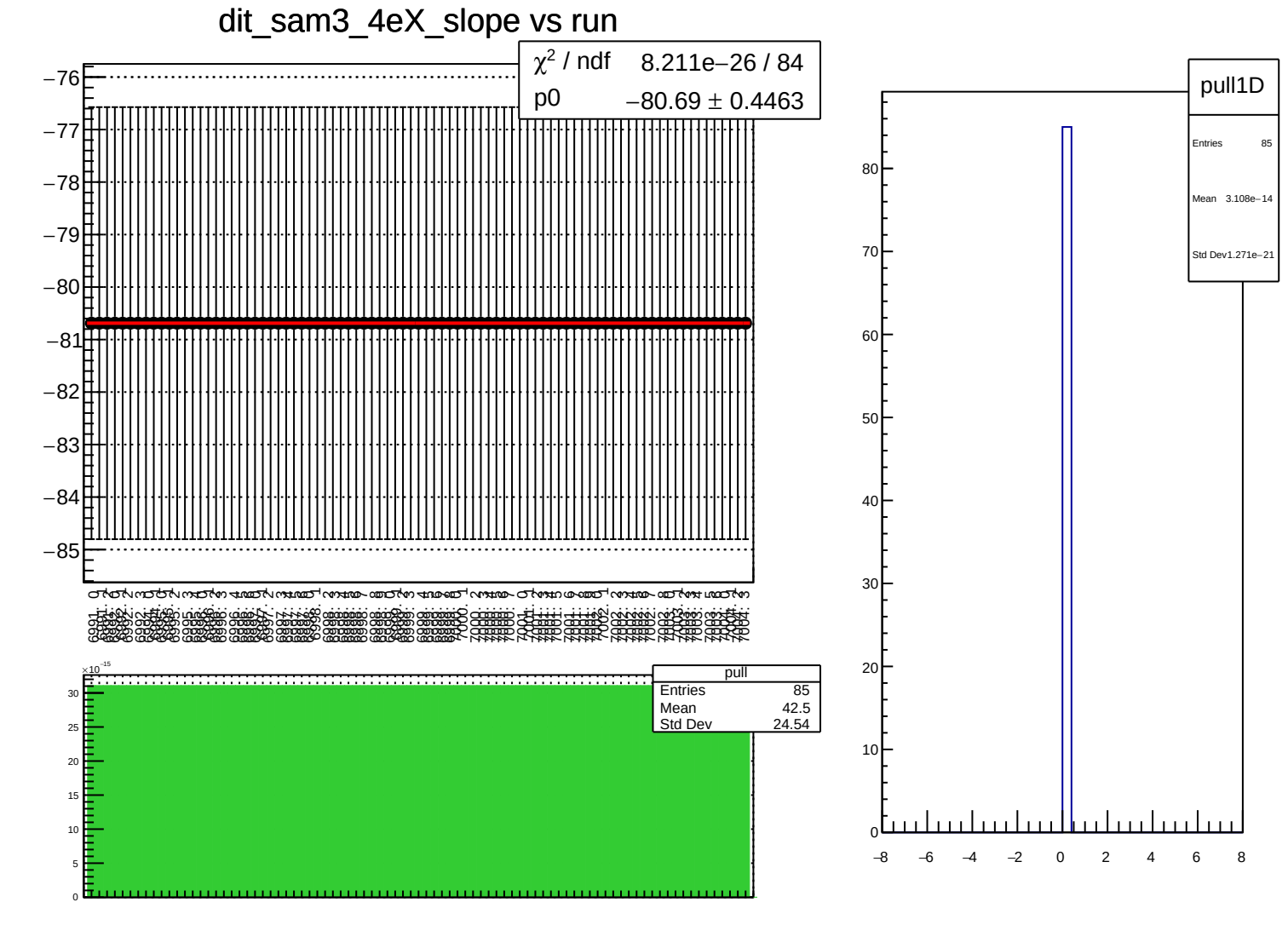

dit_sam2_11X12X_slope vs run
χ² / ndf 1.074e−26 / 84
p0 0.2619 ± 0.003749
0.3
0.29
0.28
0.27
0.26
0.25
0.24
0.23
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
10
8
6
4
2
0

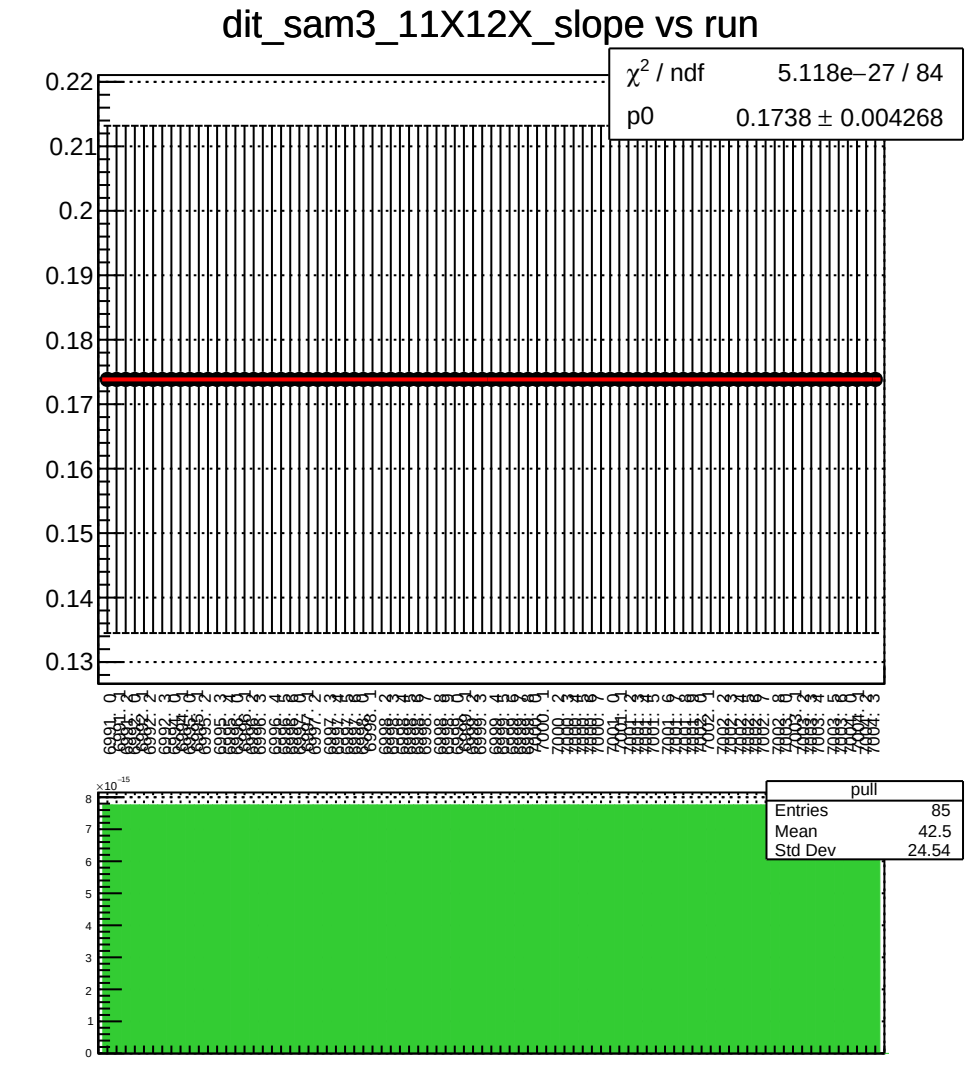

pull1D
Entries 85
Mean 1.124e−14
Std Dev4.492e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

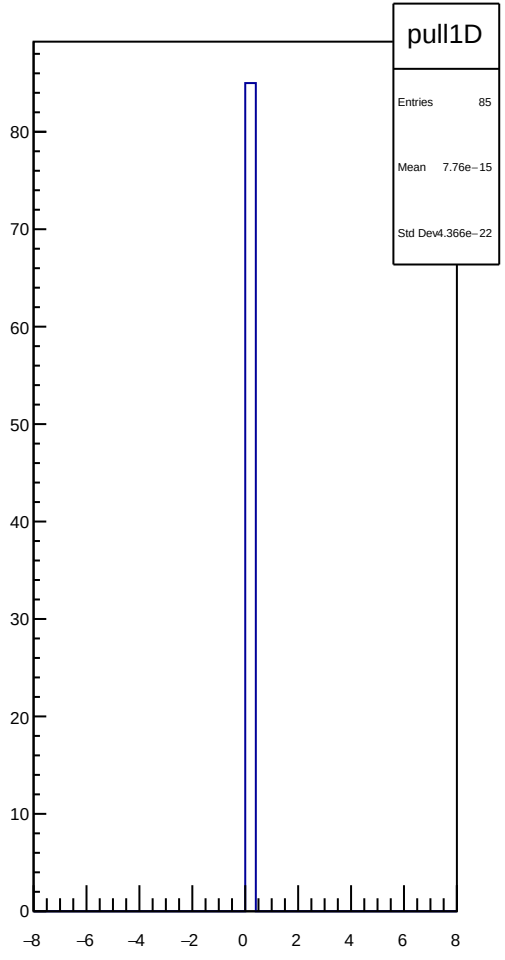

dit_sam2_4aY_slope vs run
χ² / ndf 6.543e−27 / 84
p0 15.23 ± 0.02196
15.45
15.4
15.35
15.3
15.25
15.2
15.15
15.1
15.05
15
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
−9
pull1D
Entries 85
Mean −8.774e−15
Std Dev1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

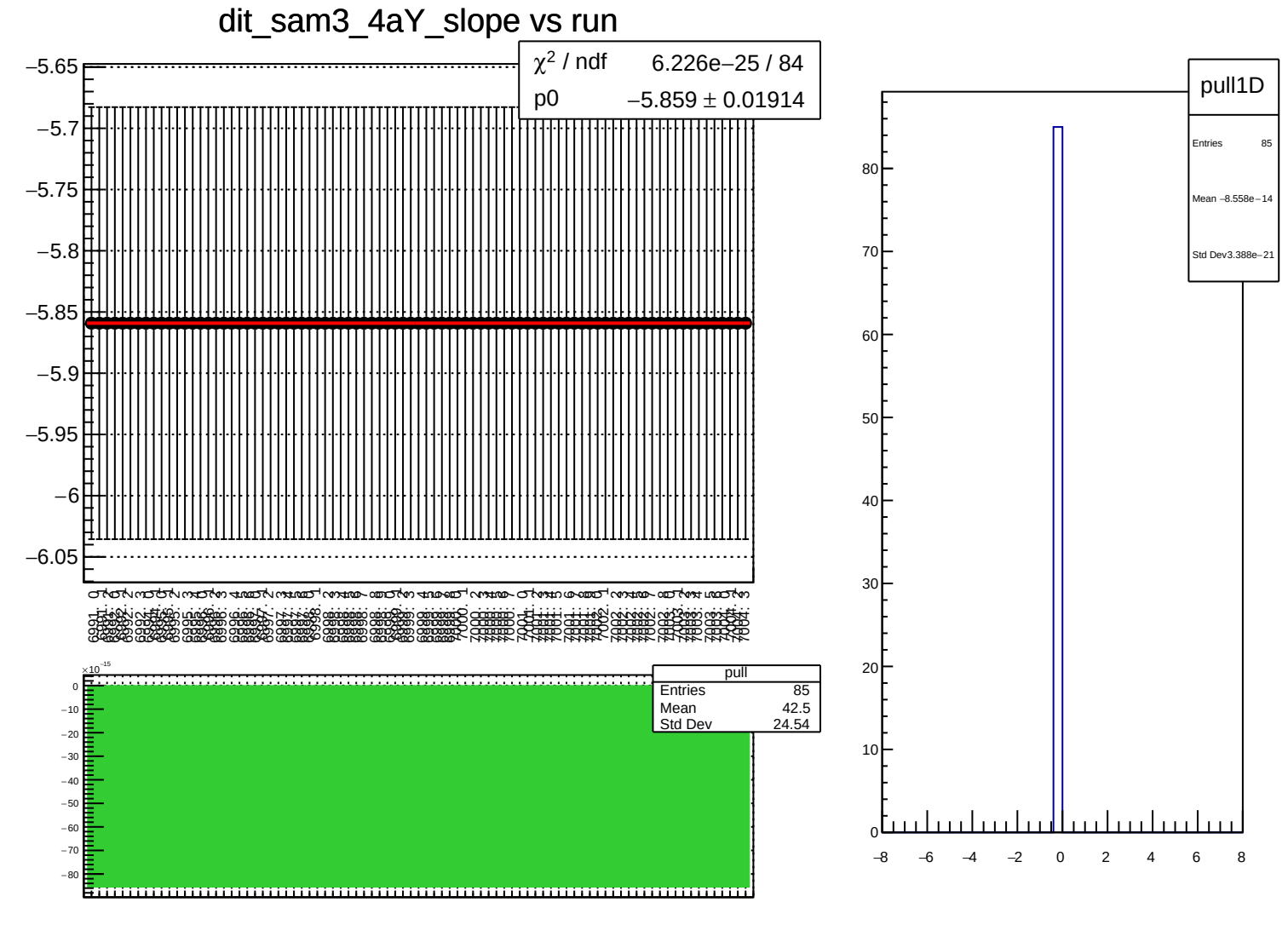

dit_sam2_4eY_slope vs run
χ² / ndf 2.168e−24 / 84
p0 −209.3 ± 0.07722
−208.6
−208.8
−209
−209.2
−209.4
−209.6
−209.8
−210
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 85
Mean −1.597e−13
Std Dev8.124e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

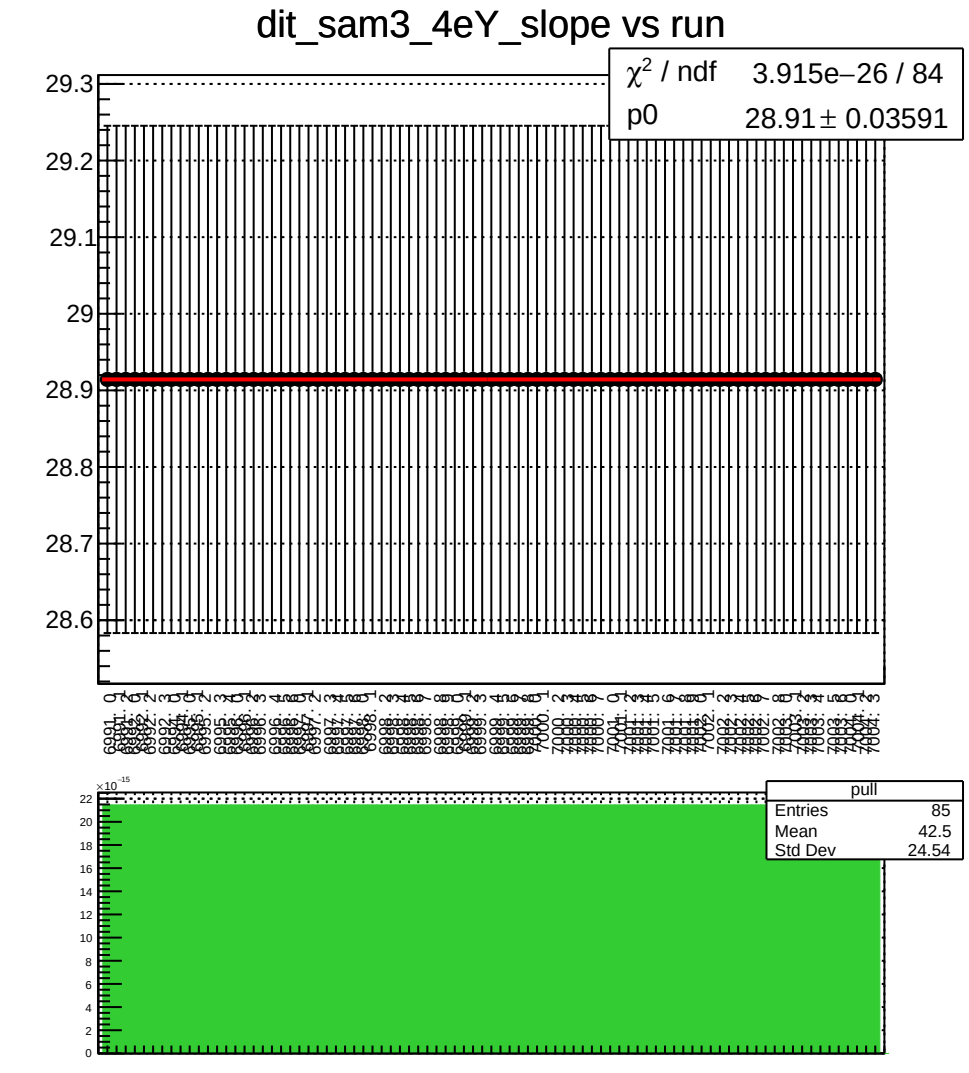

dit_sam3_4aX_slope vs run
χ² / ndf 2.151e−26 / 84
p0 −38.1 ± 0.4845
−34
−36
−38
−40
−42
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 1.591e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

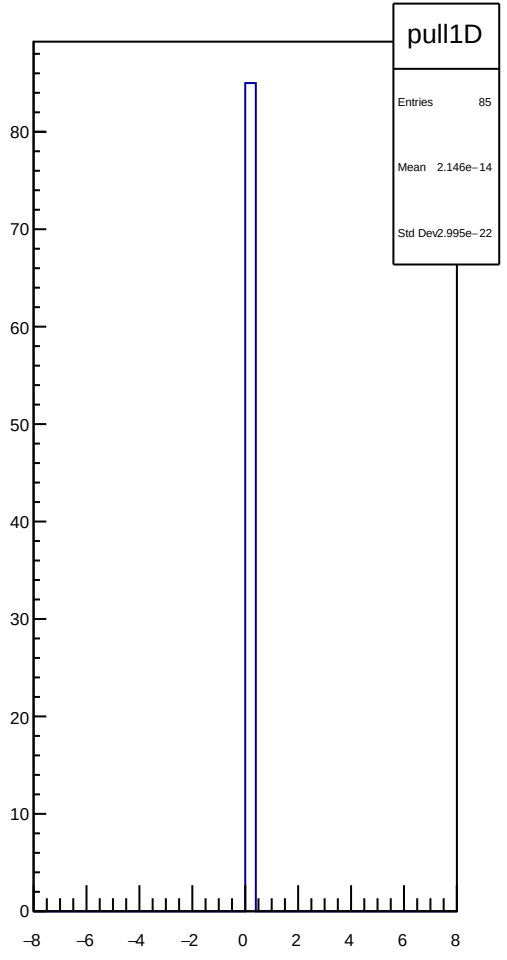

dit_sam3_4eX_slope vs run
χ^2 / ndf 8.211e−26 / 84
p0 −80.69 ± 0.4463
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 3.108e−14
Std Dev1.271e−21

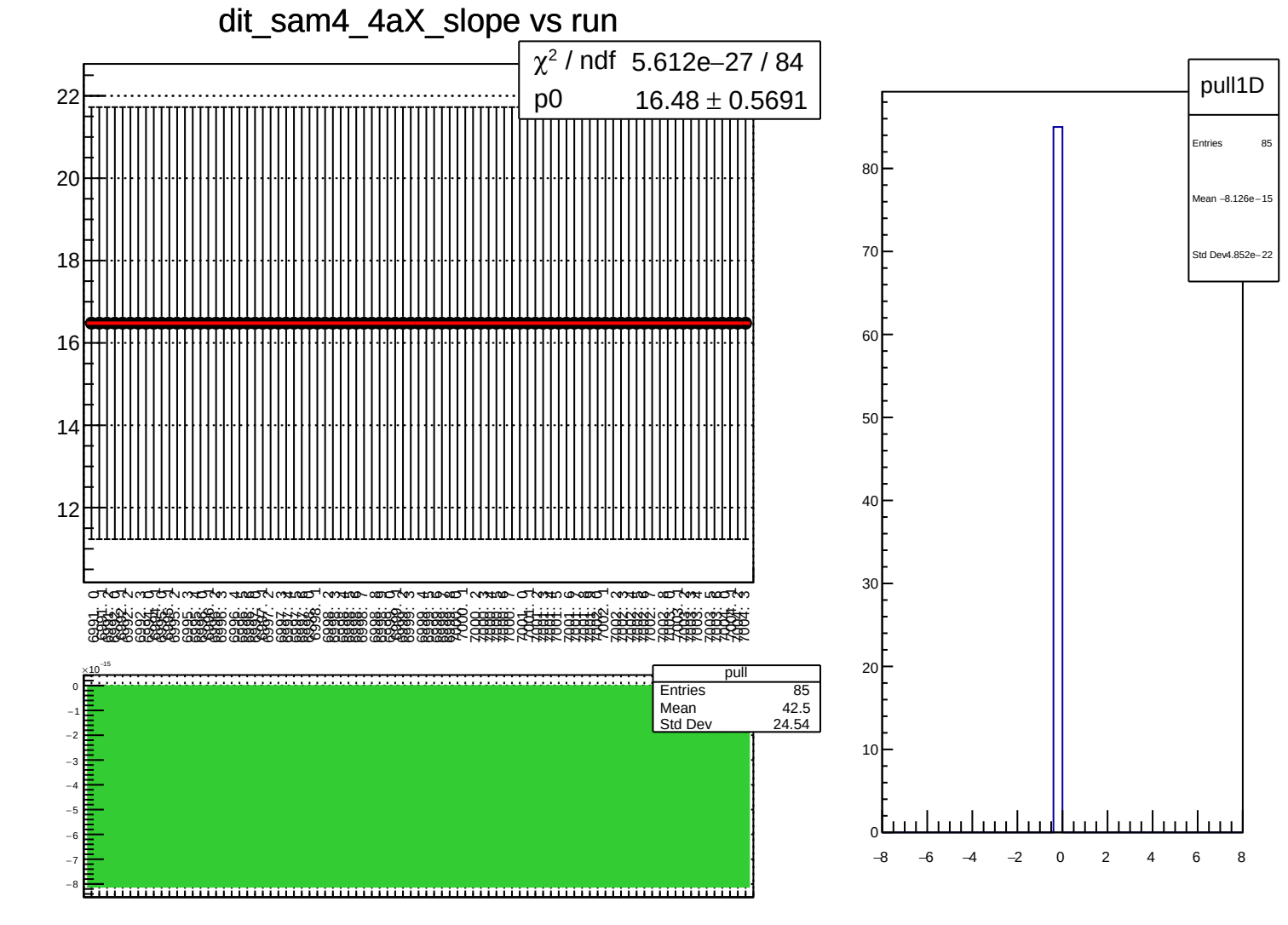

dit_sam3_11X12X_slope vs run
χ² / ndf 5.118e−27 / 84
p0 0.1738 ± 0.004268
0.22
0.21
0.2
0.19
0.18
0.17
0.16
0.15
0.14
0.13
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
8
7
6
5
4
3
2
1
0

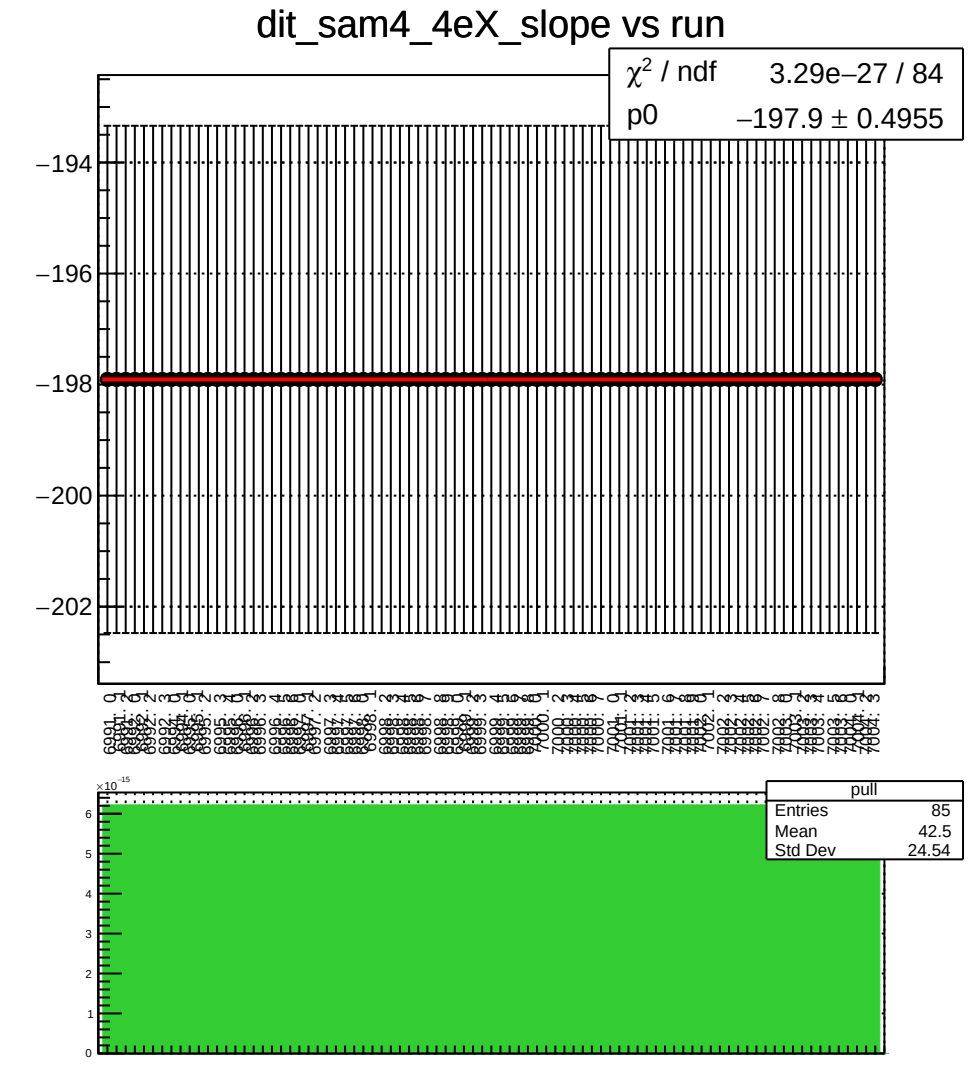

pull1D
Entries 85
Mean 7.76e−15
Std Dev 4.366e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

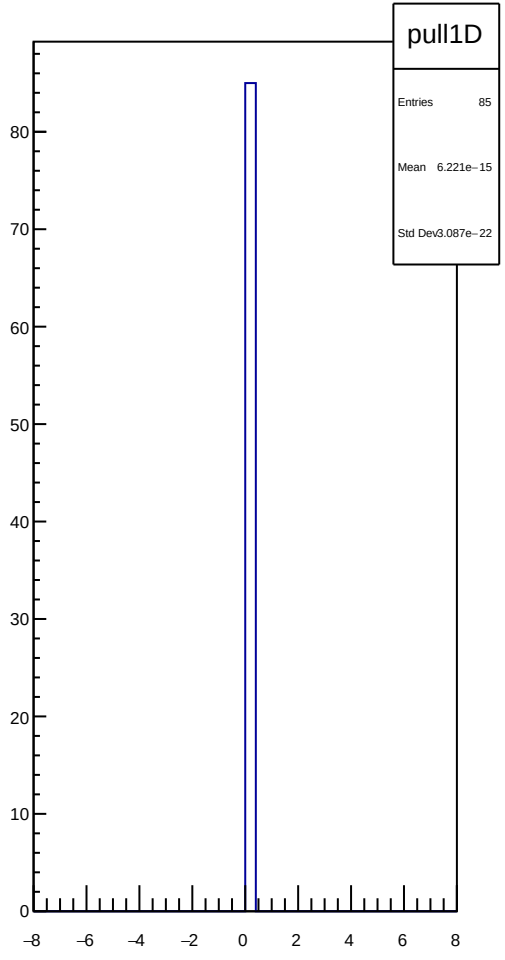

dit_sam3_4aY_slope vs run
χ² / ndf 6.226e−25 / 84
p0 −5.859 ± 0.01914
−5.65
−5.7
−5.75
−5.8
−5.85
−5.9
−5.95
−6
−6.05
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 85
Mean −8.558e−14
Std Dev3.388e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

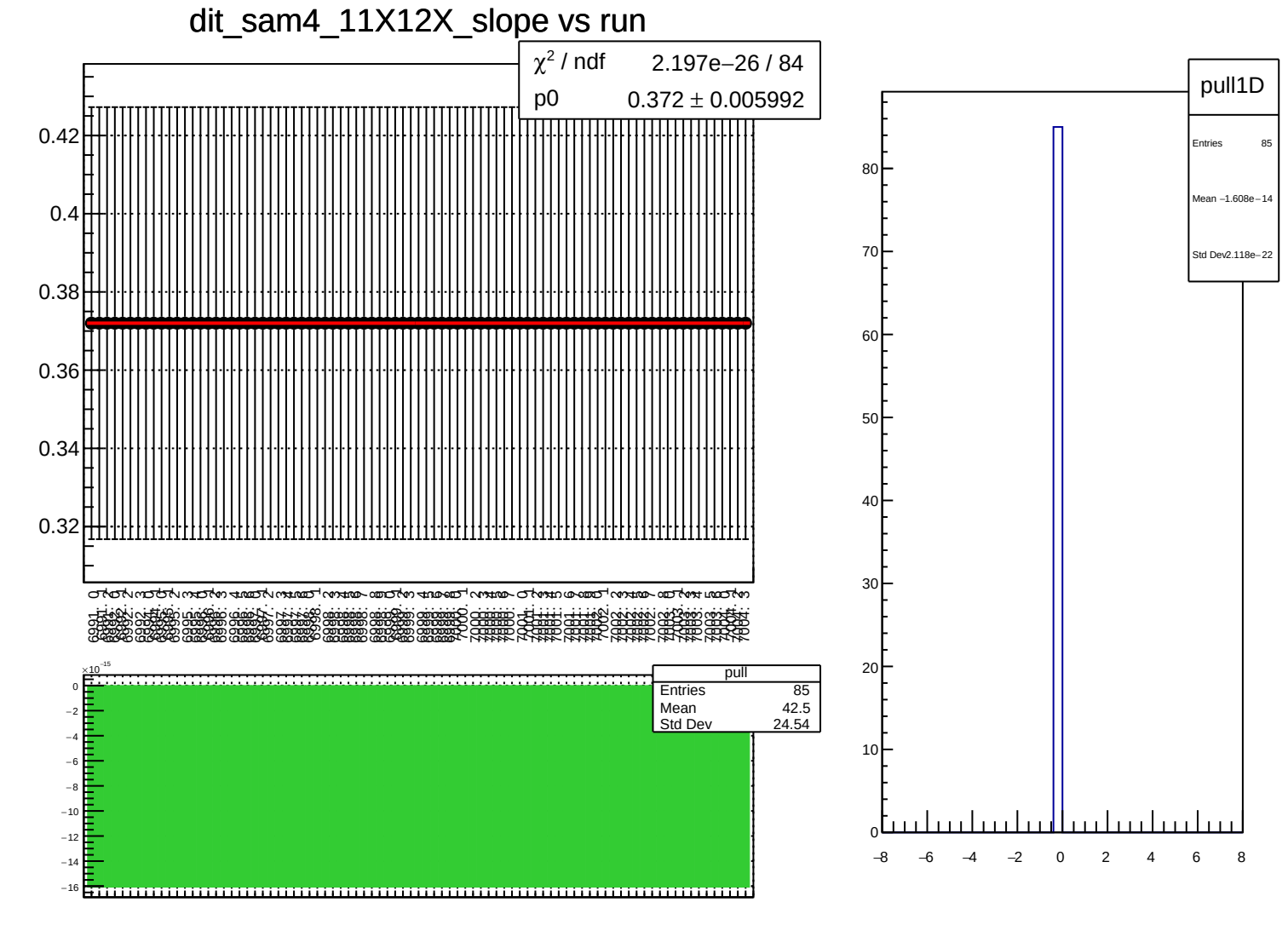

dit_sam3_4eY_slope vs run
χ² / ndf 3.915e−26 / 84
p0 28.91 ± 0.03591
29.3
29.2
29.1
29
28.9
28.8
28.7
28.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

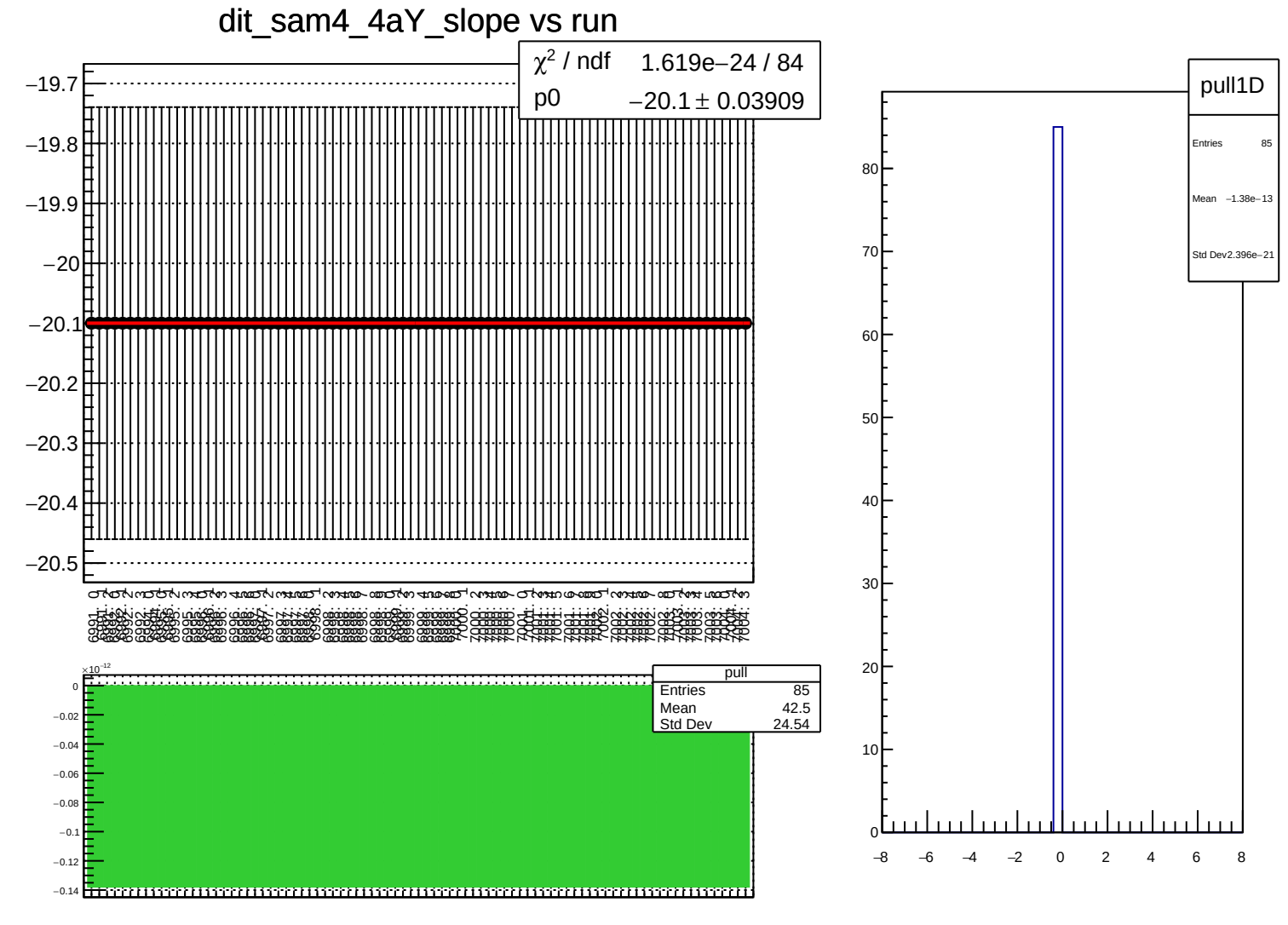

pull1D
Entries 85
Mean 2.146e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

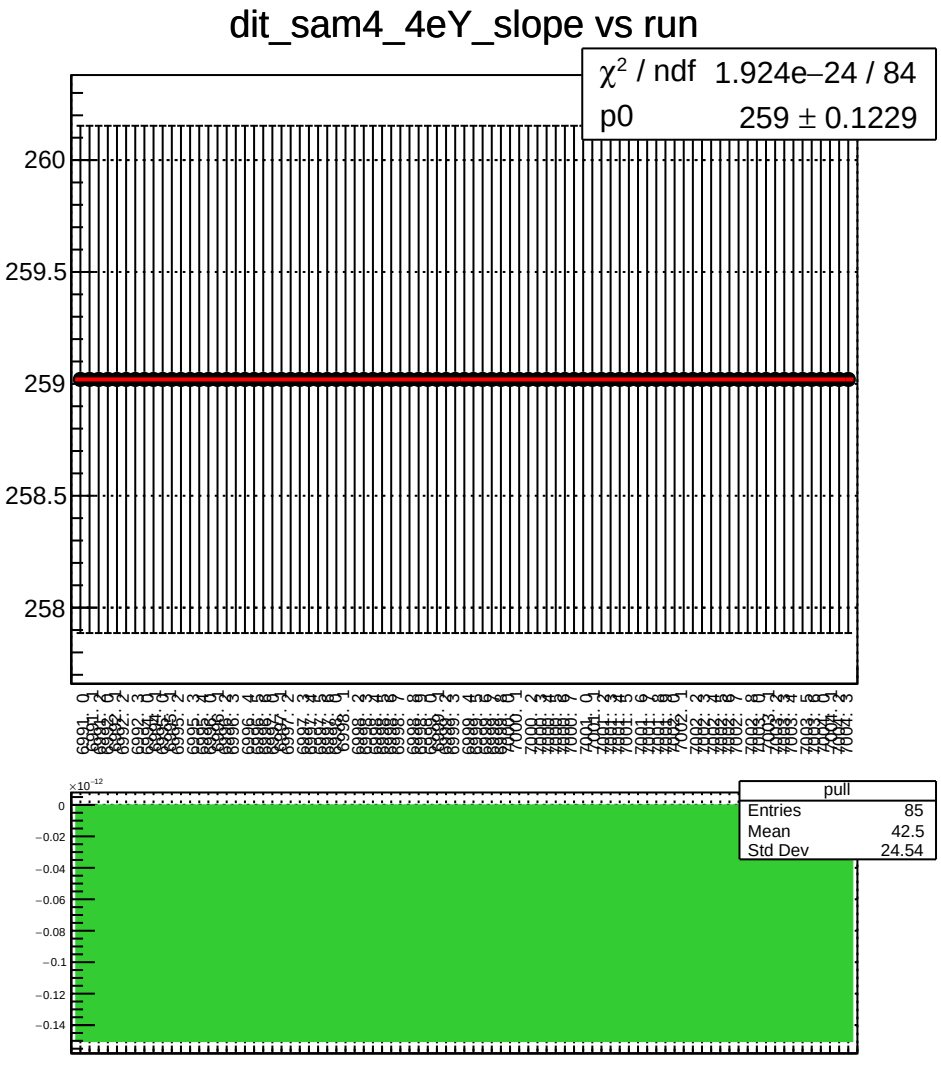

dit_sam4_4aX_slope vs run
χ² / ndf 5.612e−27 / 84
p0 16.48 ± 0.5691
22
20
18
16
14
12
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
pull1D
Entries 85
Mean −8.126e−15
Std Dev 4.852e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

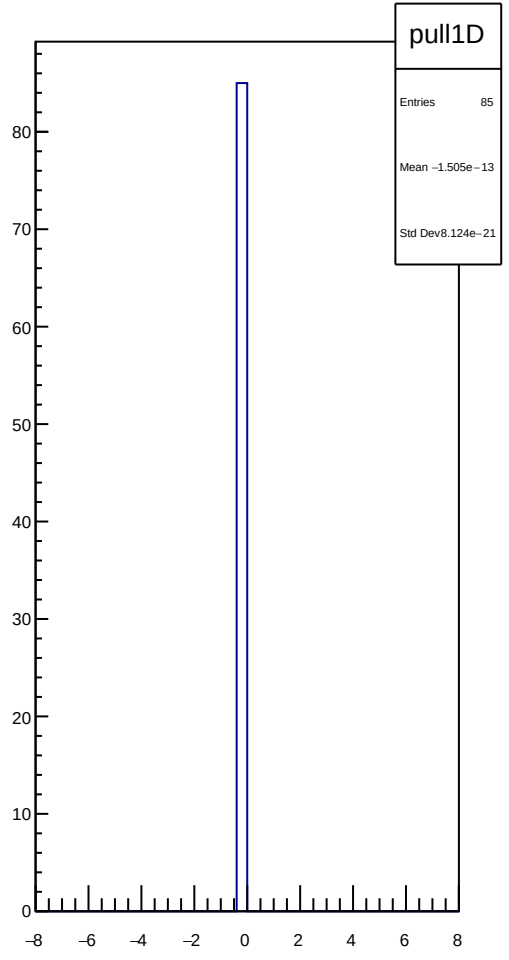

dit_sam4_4eX_slope vs run
χ² / ndf 3.29e−27 / 84
p0 −197.9 ± 0.4955
−194
−196
−198
−200
−202
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
6
5
4
3
2
1
0

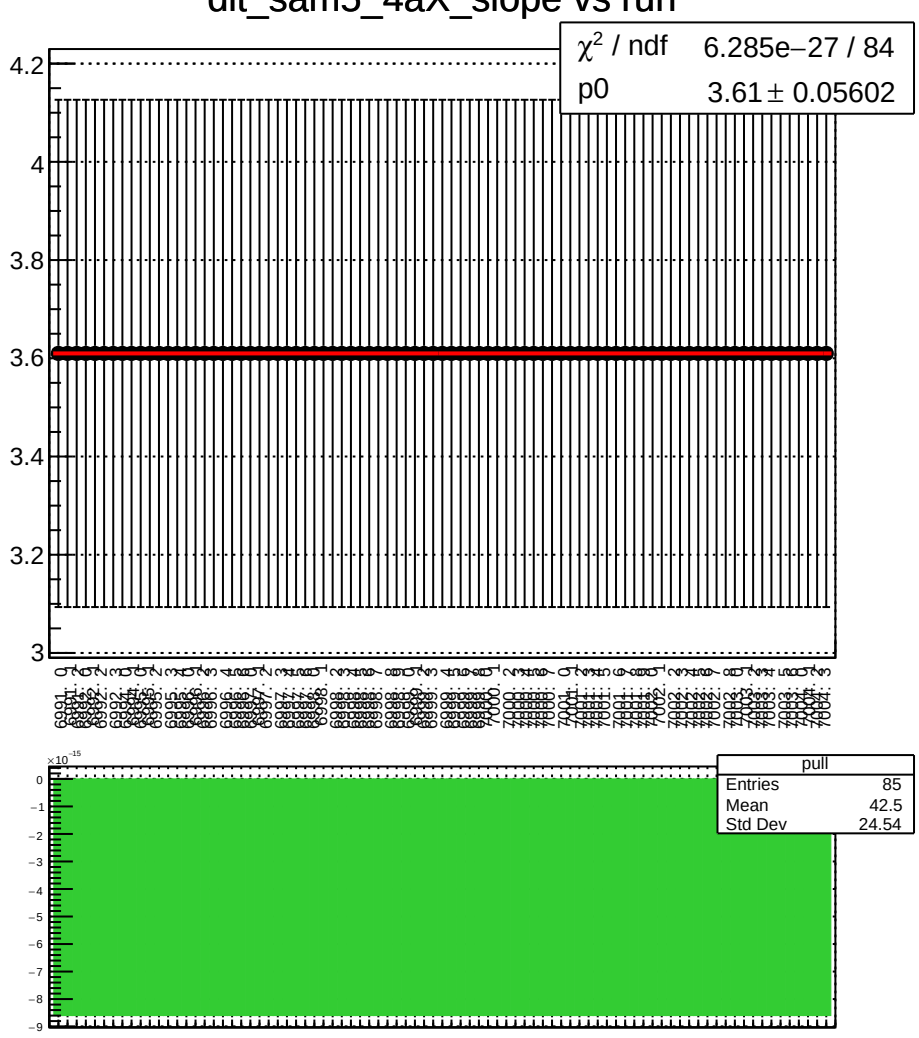

pull1D
Entries 85
Mean 6.221e−15
Std Dev 3.087e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

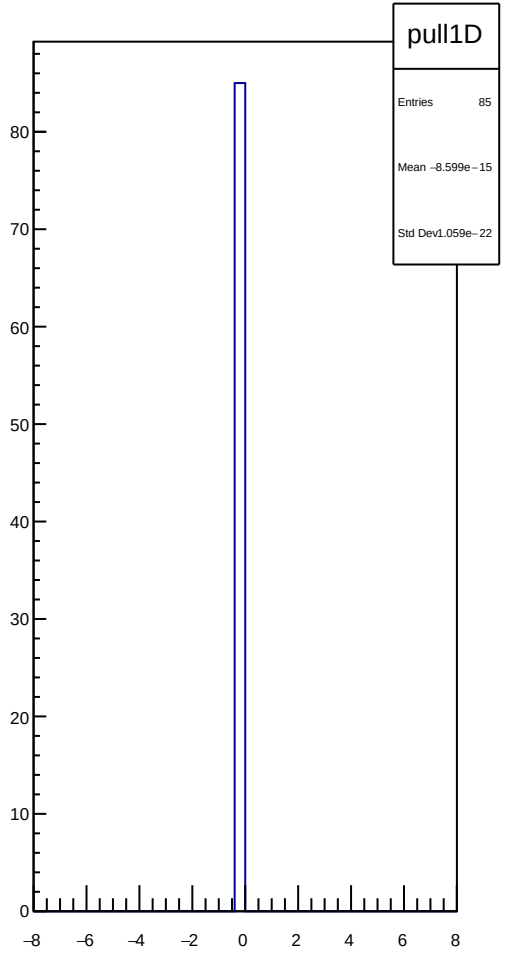

dit_sam4_11X12X_slope vs run
χ² / ndf 2.197e−26 / 84
p0 0.372 ± 0.005992
0.42
0.4
0.38
0.36
0.34
0.32
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 85
Mean −1.608e−14
Std Dev 2.118e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

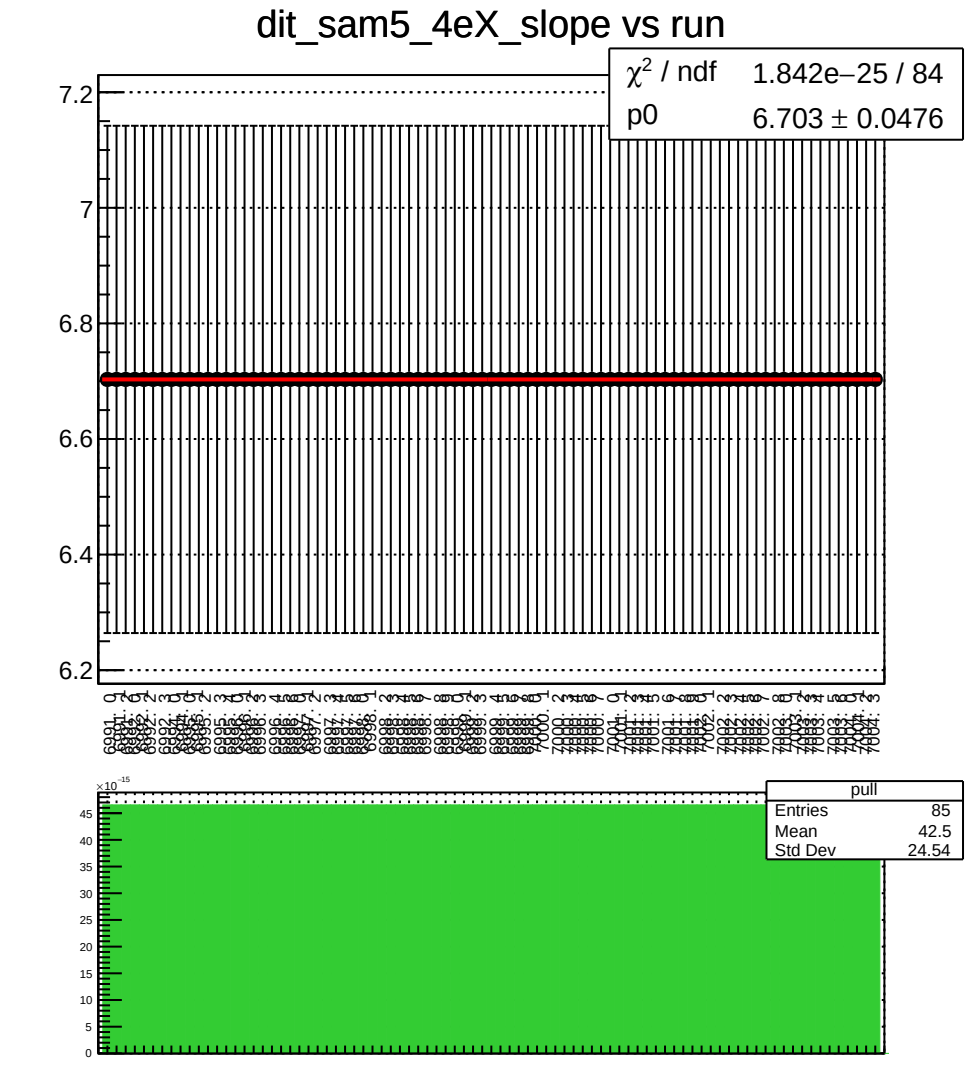

dit_sam4_4aY_slope vs run
χ^2 / ndf 1.619e−24 / 84
p0 −20.1 ± 0.03909
−19.7
−19.8
−19.9
−20
−20.1
−20.2
−20.3
−20.4
−20.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 85
Mean −1.38e−13
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

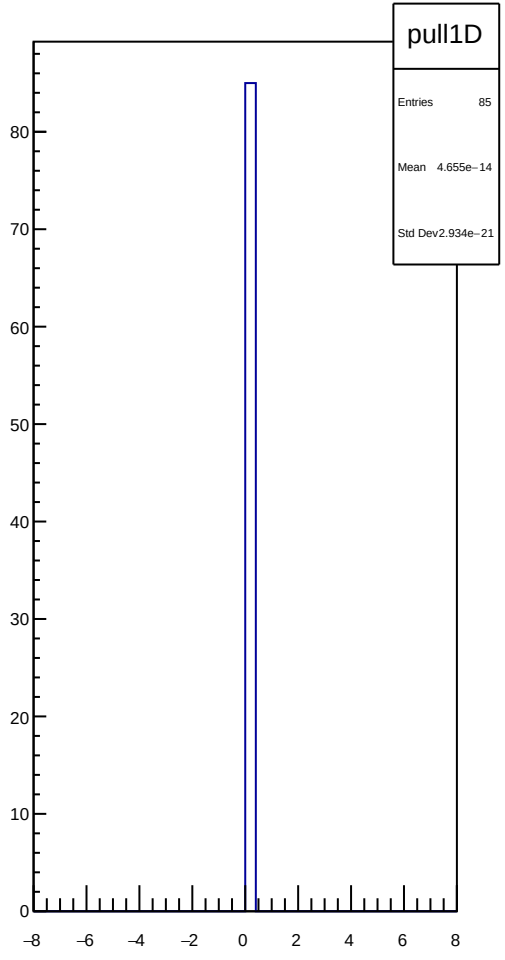

dit_sam4_4eY_slope vs run
χ² / ndf 1.924e−24 / 84
p0 259 ± 0.1229
260
259.5
259
258.5
258
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

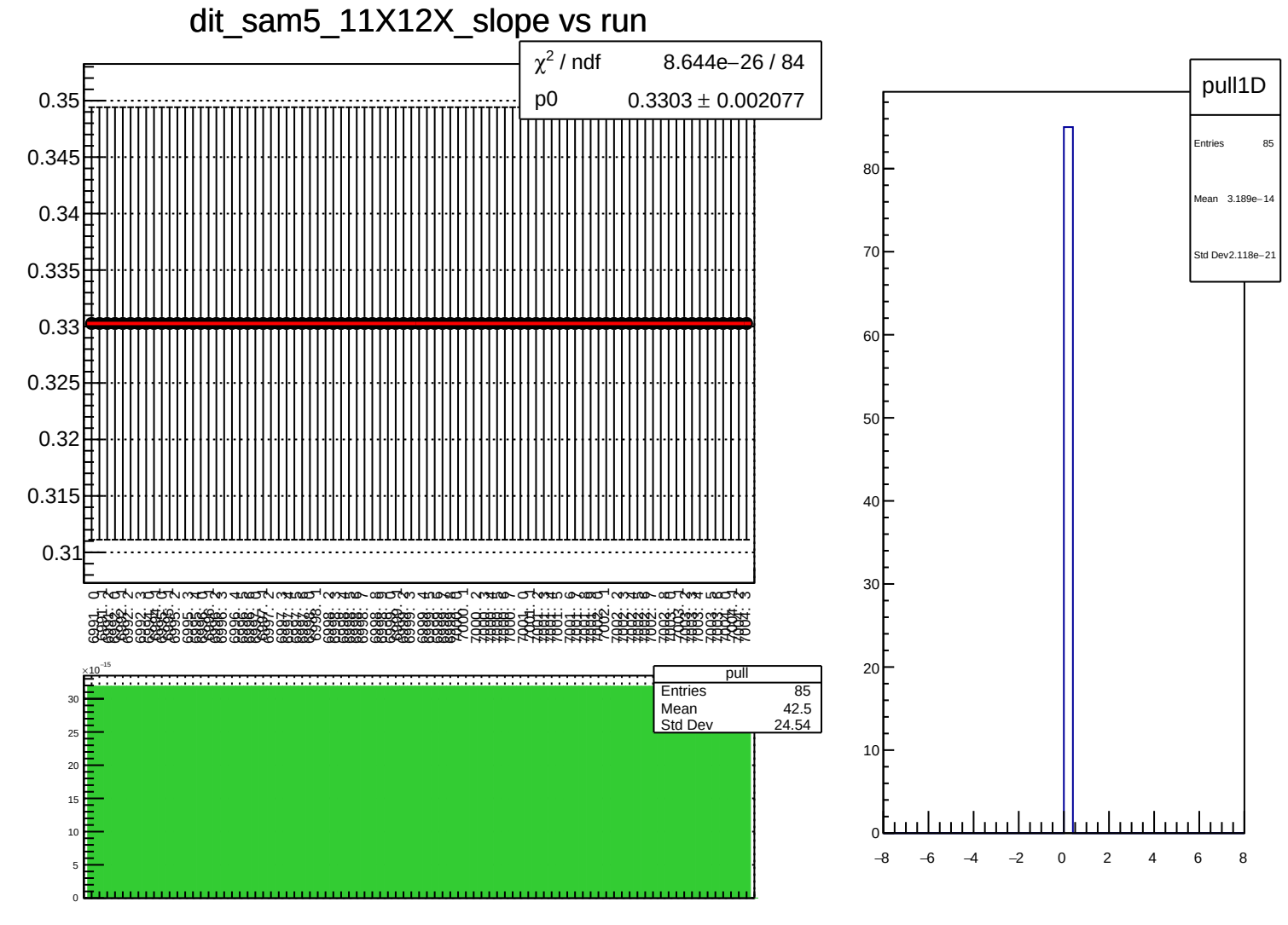

pull1D
Entries 85
Mean −1.505e−13
Std Dev8.124e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

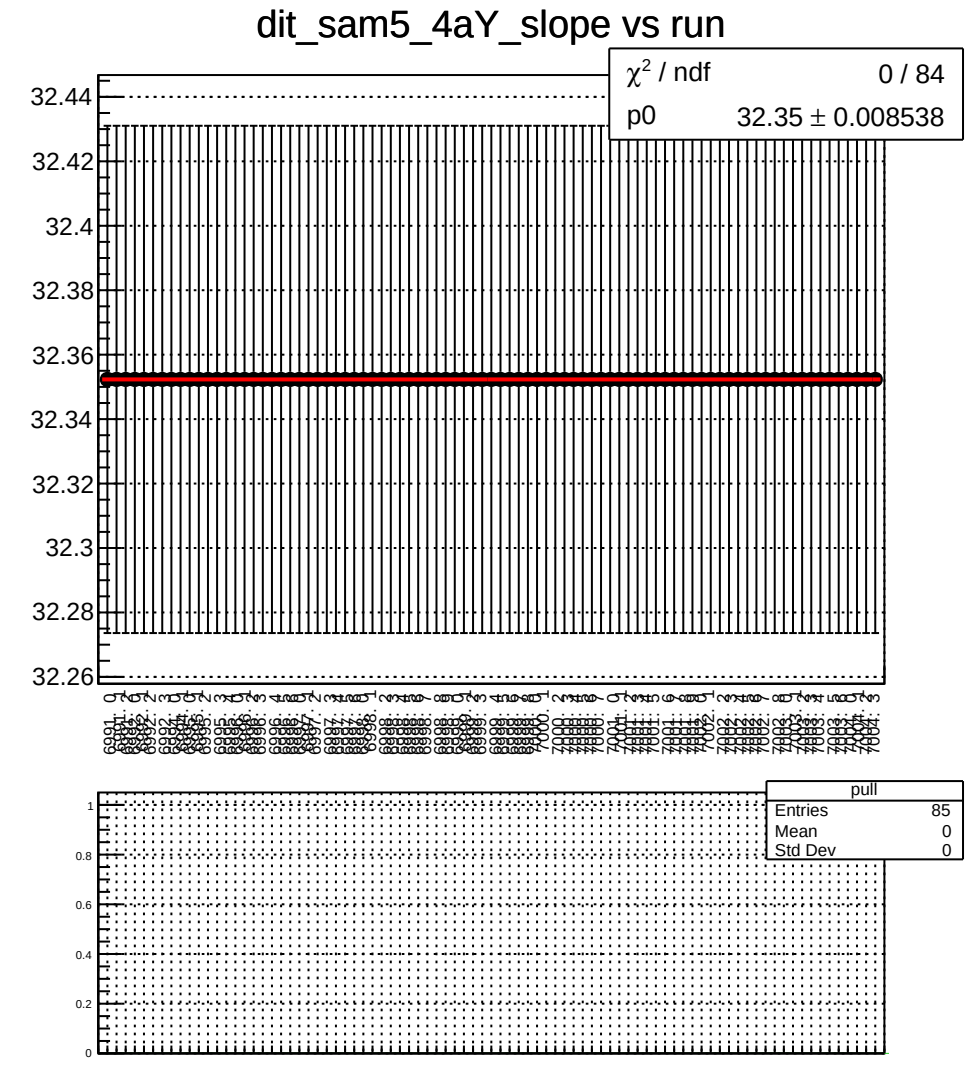

dit_sam5_4aX_slope vs run
χ² / ndf 6.285e−27 / 84
p0 3.61 ± 0.05602
4.2
4
3.8
3.6
3.4
3.2
3
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
−9

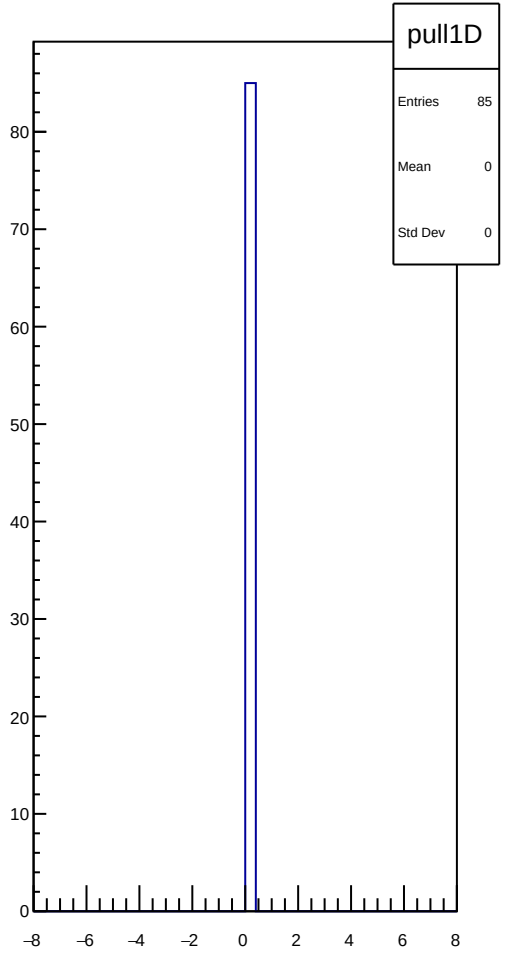

pull1D
Entries 85
Mean −8.599e−15
Std Dev1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

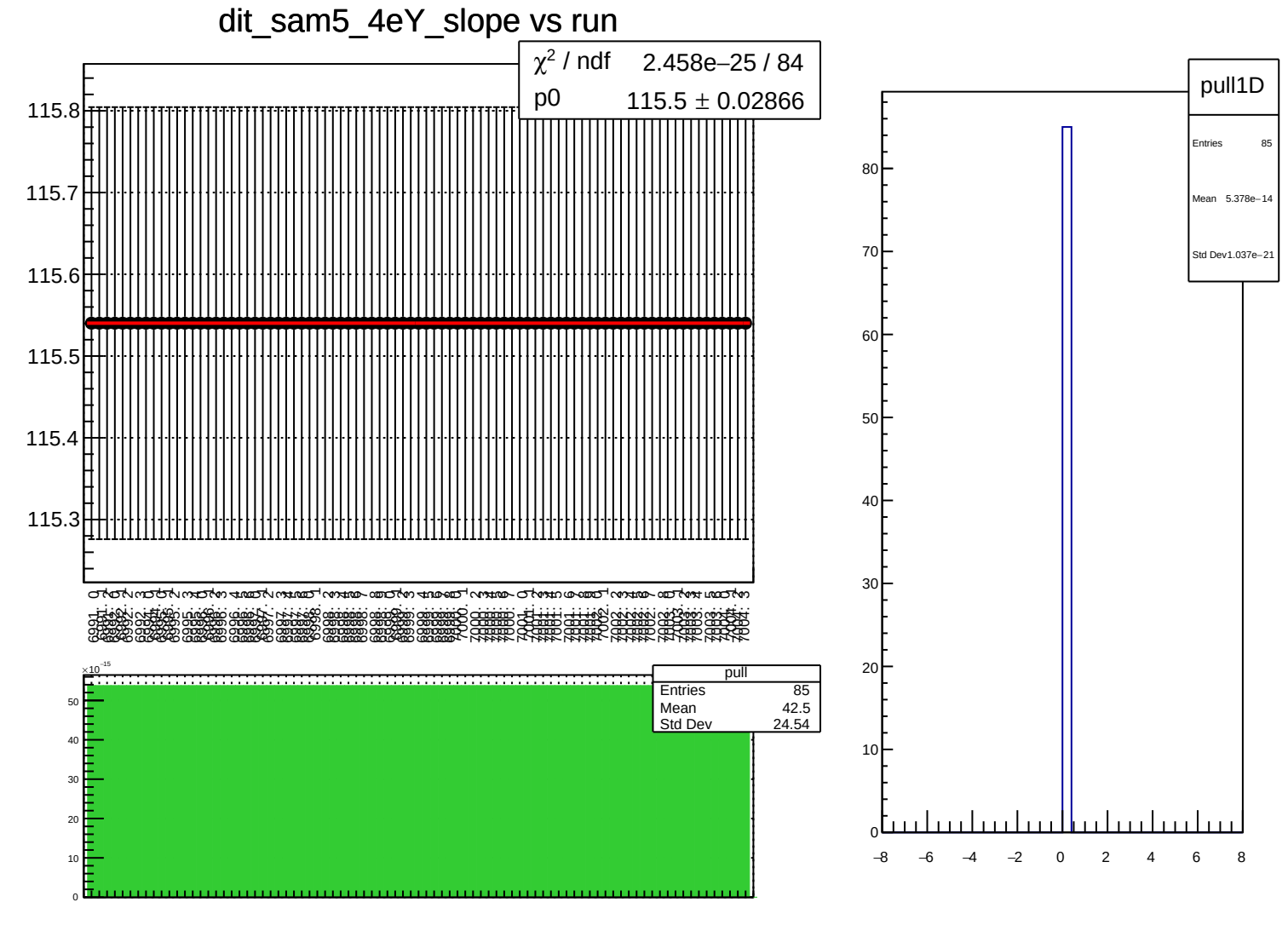

dit_sam5_4eX_slope vs run
χ² / ndf 1.842e−25 / 84
p0 6.703 ± 0.0476
7.2
7
6.8
6.6
6.4
6.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

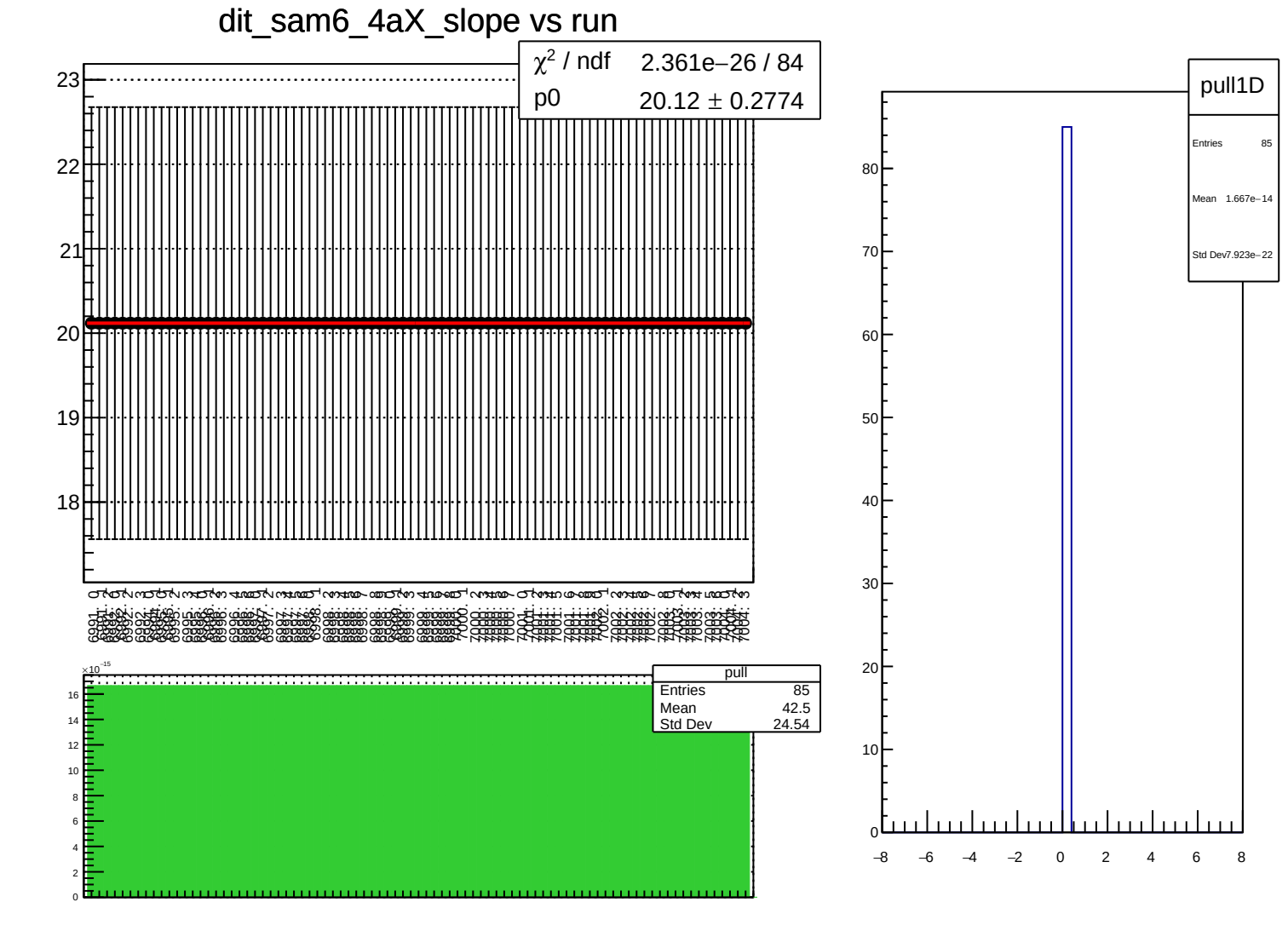

pull1D
Entries 85
Mean 4.655e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

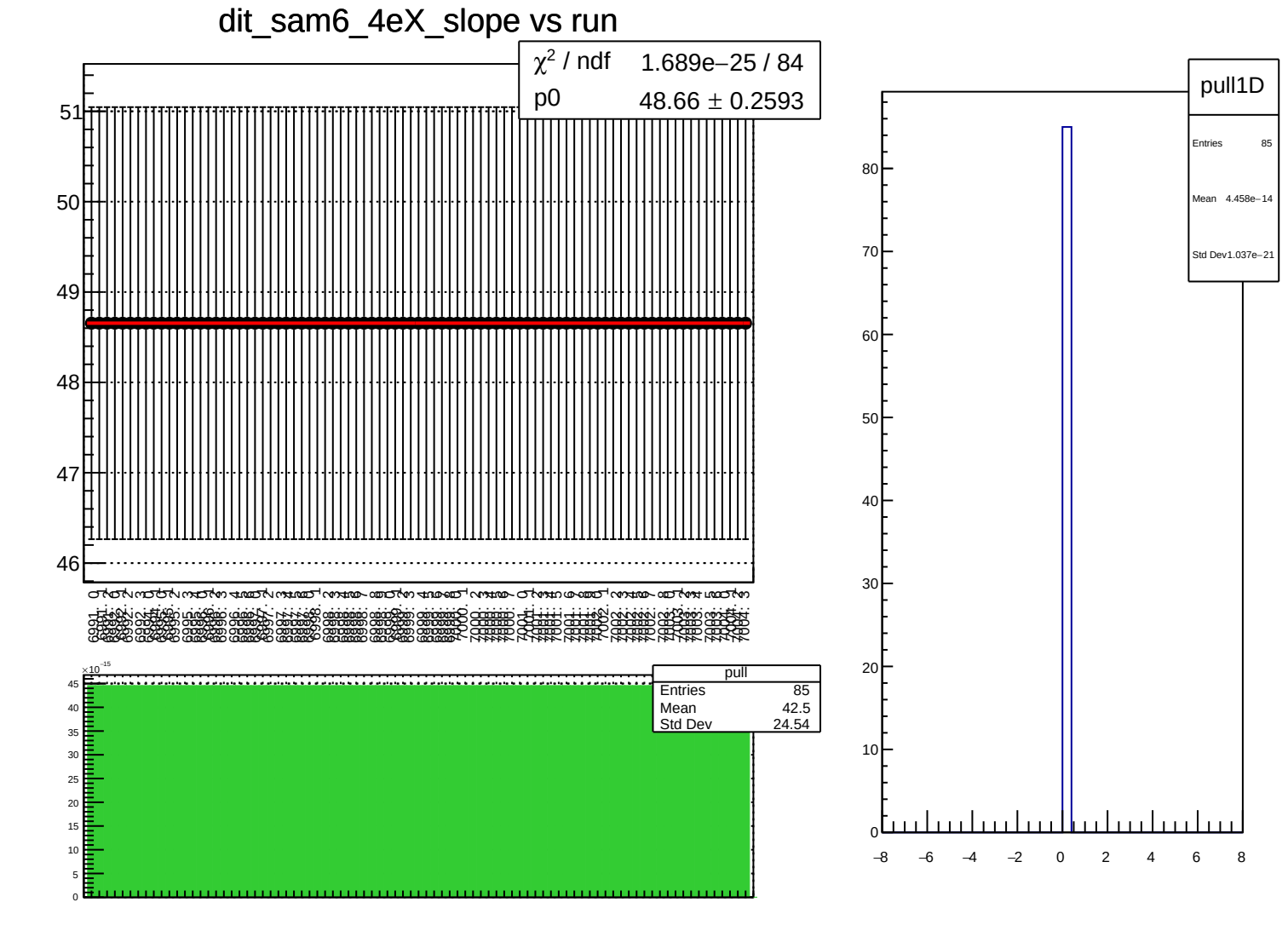

dit_sam5_11X12X_slope vs run
χ² / ndf 8.644e−26 / 84
p0 0.3303 ± 0.002077
0.35
0.345
0.34
0.335
0.33
0.325
0.32
0.315
0.31
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
30
25
20
15
10
5
0
pull1D
Entries 85
Mean 3.189e−14
Std Dev2.118e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

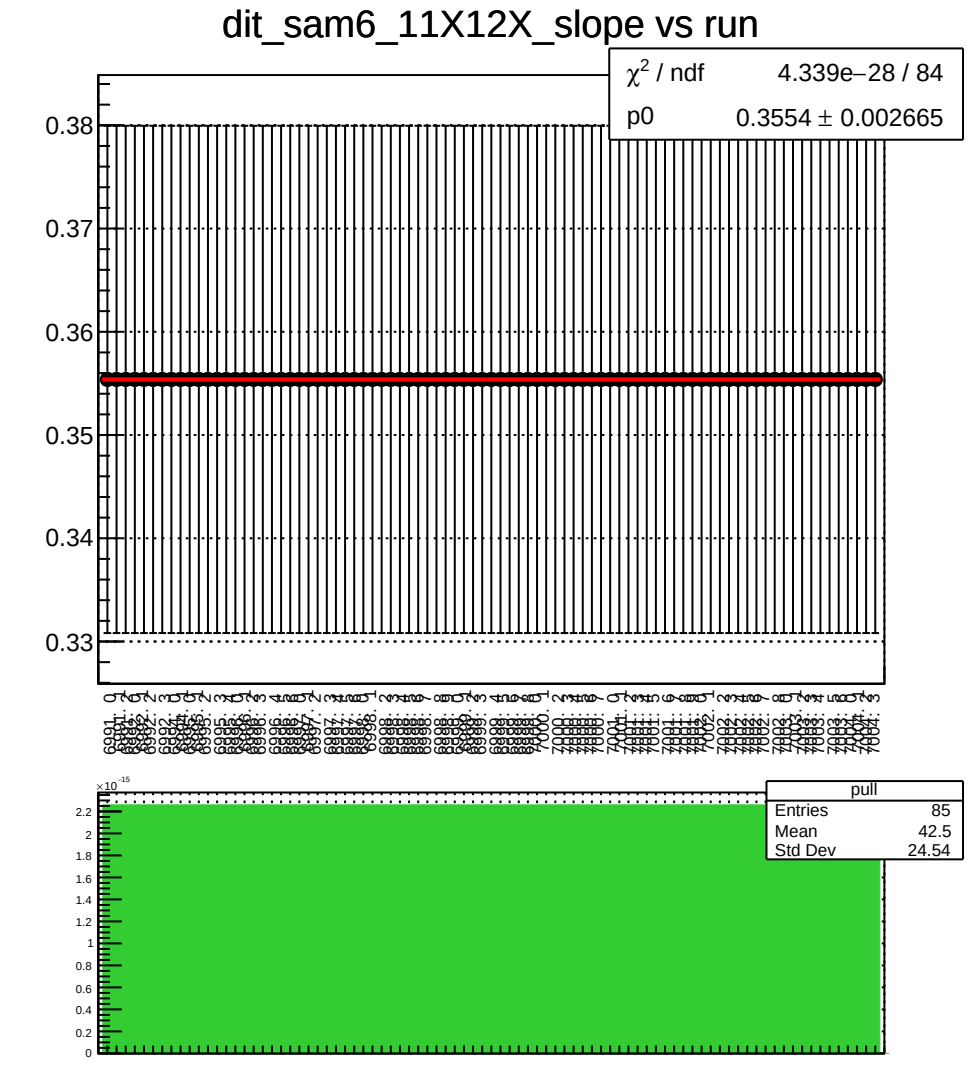

dit_sam5_4aY_slope vs run
χ² / ndf 0 / 84
p0 32.35 ± 0.008538
32.44
32.42
32.4
32.38
32.36
32.34
32.32
32.3
32.28
32.26
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

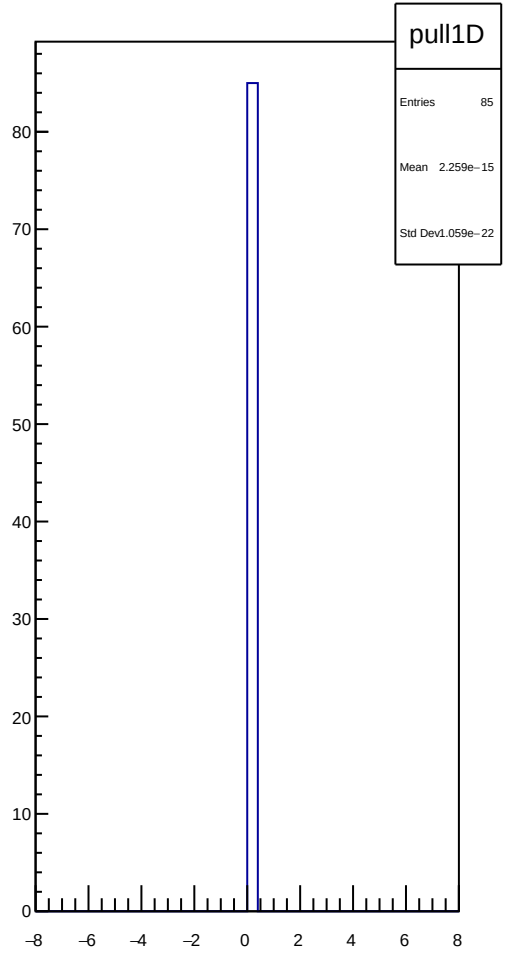

pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

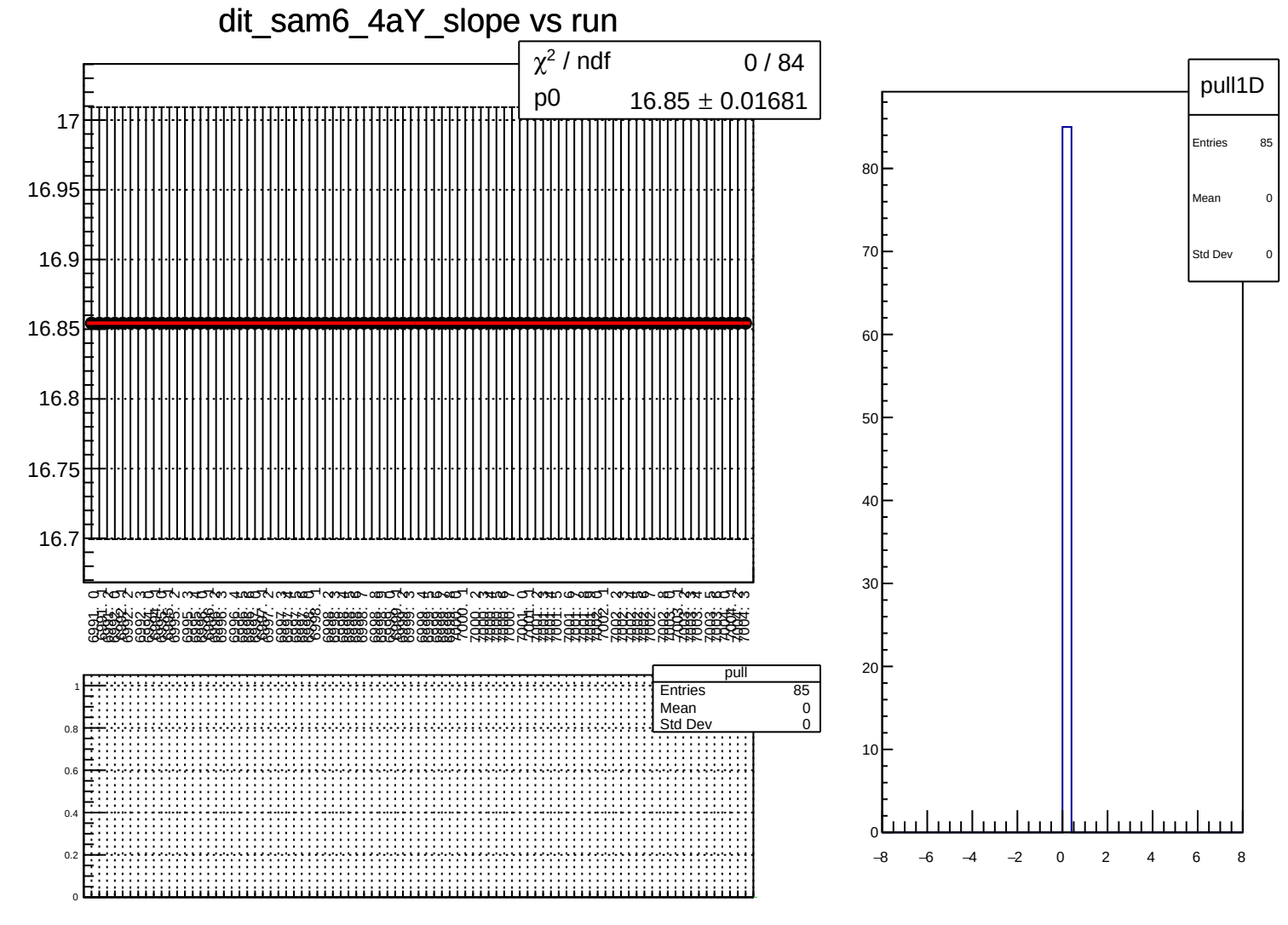

dit_sam5_4eY_slope vs run
χ^2 / ndf 2.458e−25 / 84
p0 115.5 ± 0.02866
115.8
115.7
115.6
115.5
115.4
115.3
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 85
Mean 5.378e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

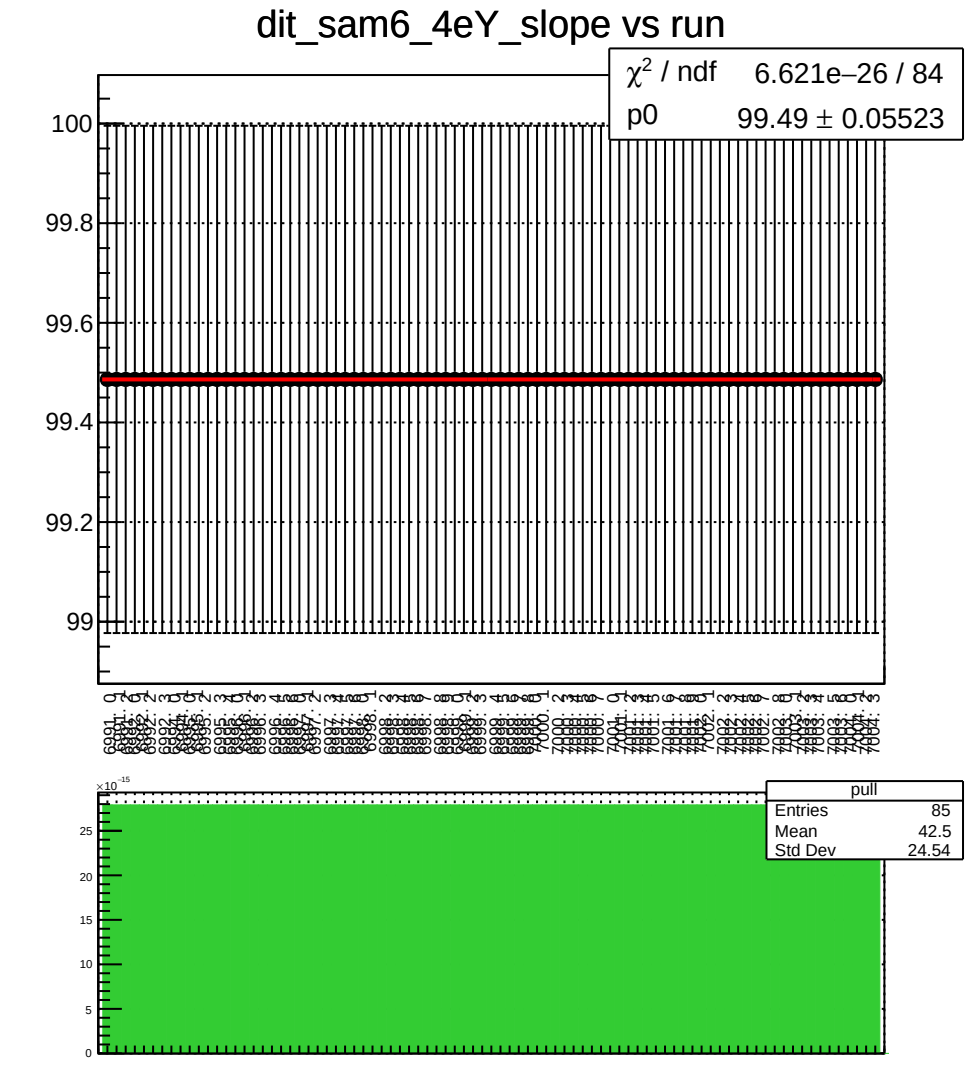

dit_sam6_4aX_slope vs run
χ² / ndf 2.361e−26 / 84
p0 20.12 ± 0.2774
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 1.667e−14
Std Dev7.923e−22

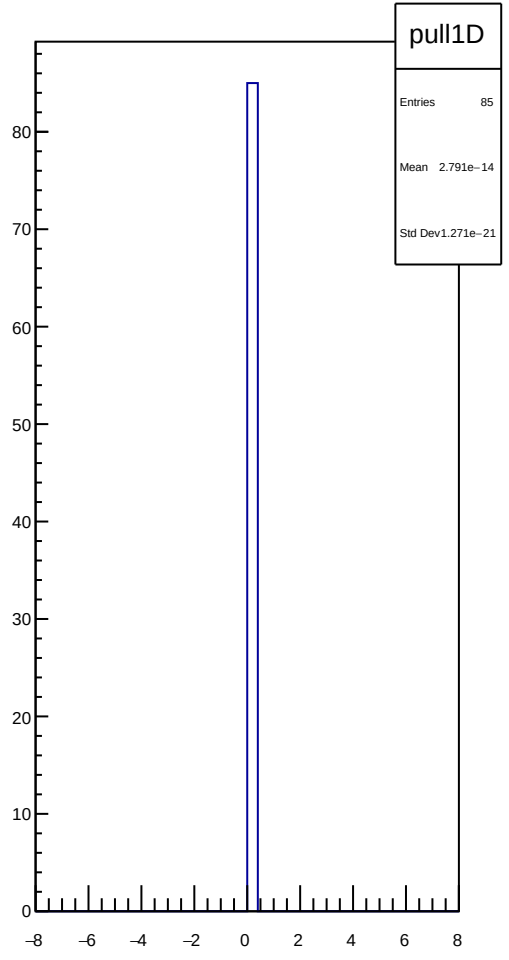

dit_sam6_4eX_slope vs run
χ^2 / ndf 1.689e−25 / 84
p0 48.66 ± 0.2593
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 4.458e−14
Std Dev1.037e−21

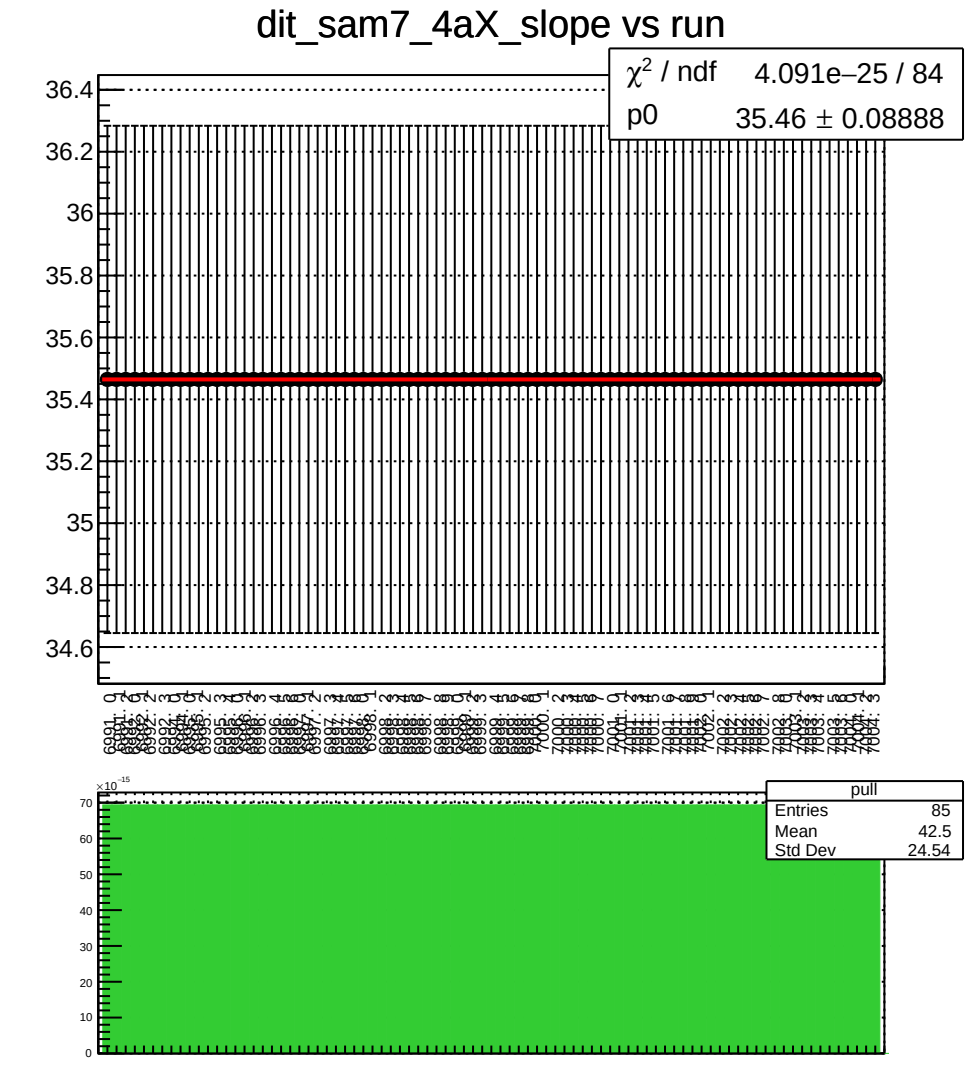

dit_sam6_11X12X_slope vs run
χ² / ndf 4.339e−28 / 84
p0 0.3554 ± 0.002665
0.38
0.37
0.36
0.35
0.34
0.33
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

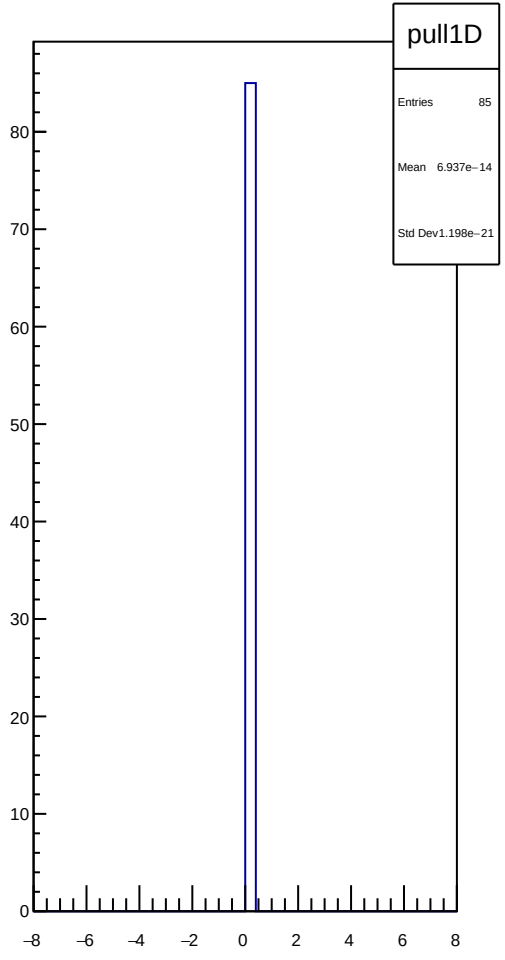

pull1D
Entries 85
Mean 2.259e−15
Std Dev1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

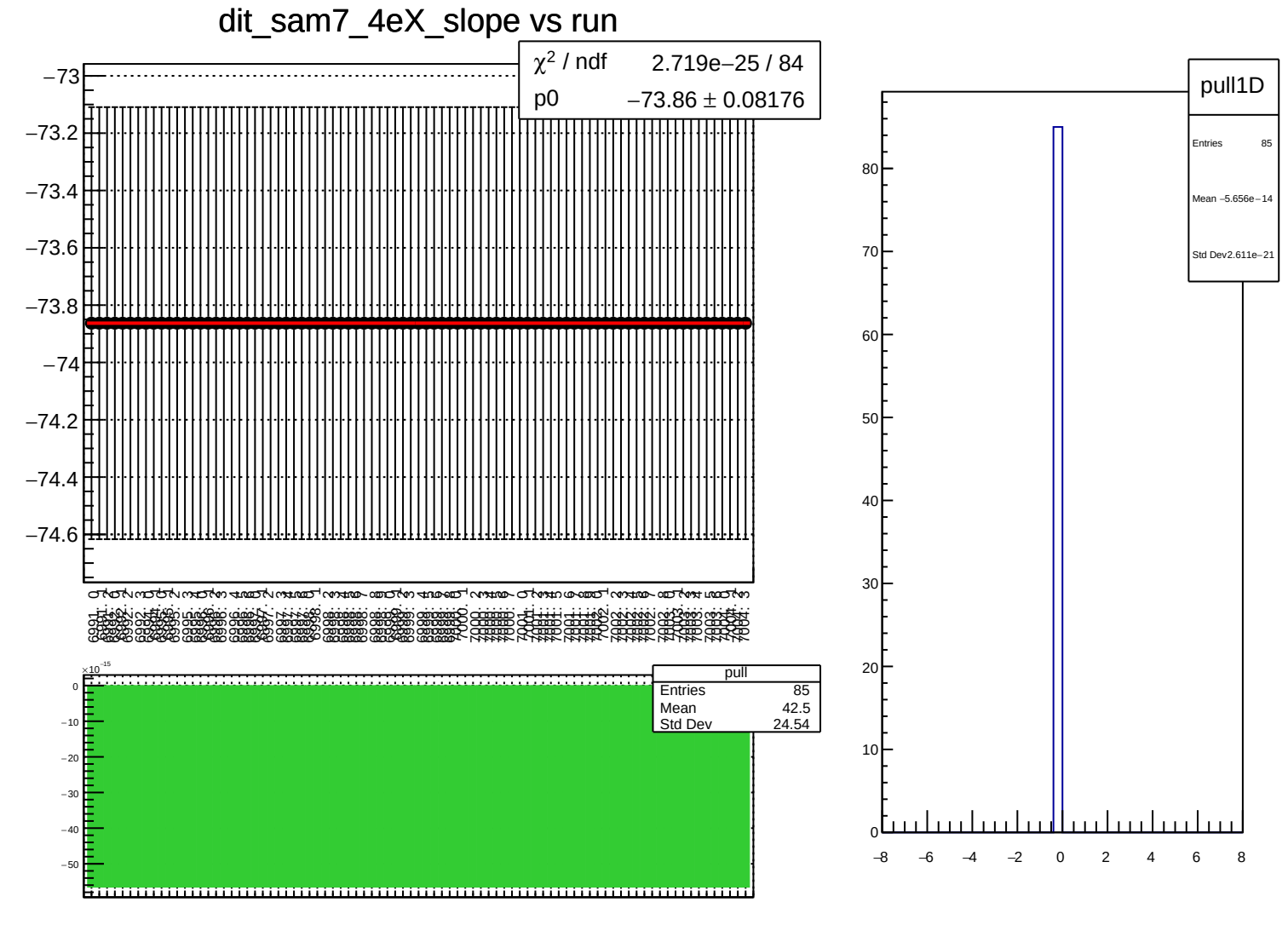

dit_sam6_4aY_slope vs run
χ^2 / ndf 0 / 84
p0 16.85 ± 0.01681
17
16.95
16.9
16.85
16.8
16.75
16.7
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8


dit_sam6_4eY_slope vs run
χ² / ndf 6.621e−26 / 84
p0 99.49 ± 0.05523
100
99.8
99.6
99.4
99.2
99
×10⁻¹⁵
25
20
15
10
5
0
pull
Entries 85
Mean 42.5
Std Dev 24.54


pull1D
Entries 85
Mean 2.791e−14
Std Dev1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4aX_slope vs run
χ^2 / ndf 4.091e−25 / 84
p0 35.46 ± 0.08888
pull
Entries 85
Mean 42.5
Std Dev 24.54


pull1D
Entries 85
Mean 6.937e−14
Std Dev1.198e−21


dit_sam7_4eX_slope vs run
χ² / ndf 2.719e−25 / 84
p0 −73.86 ± 0.08176
−73
−73.2
−73.4
−73.6
−73.8
−74
−74.2
−74.4
−74.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 85
Mean −5.656e−14
Std Dev2.611e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
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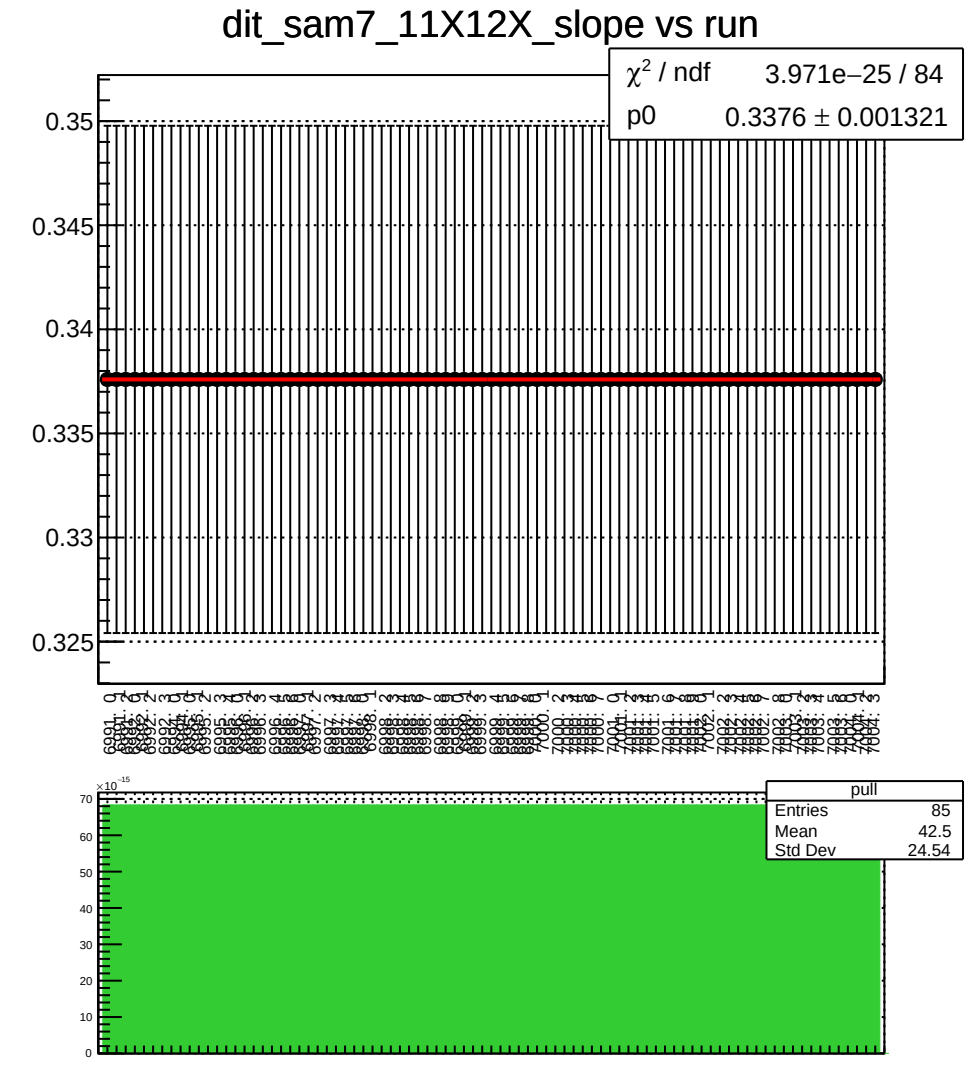
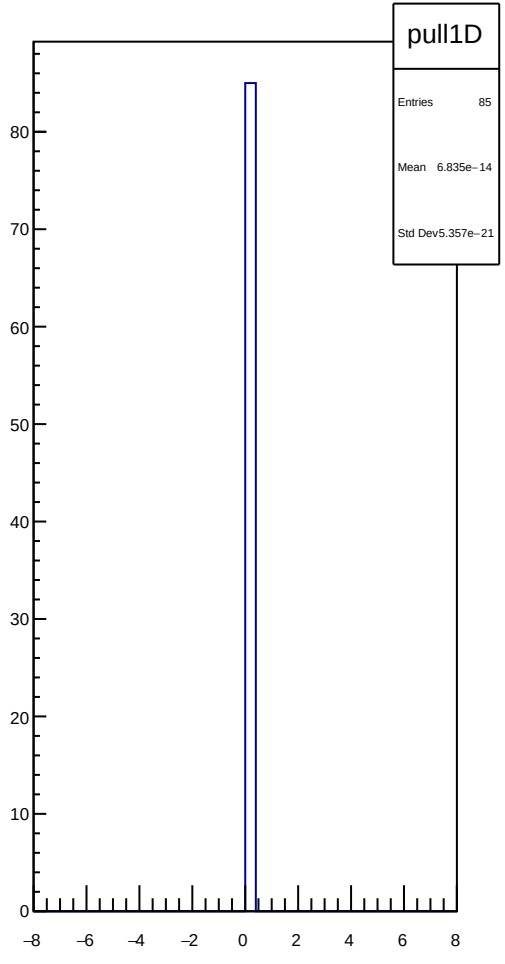
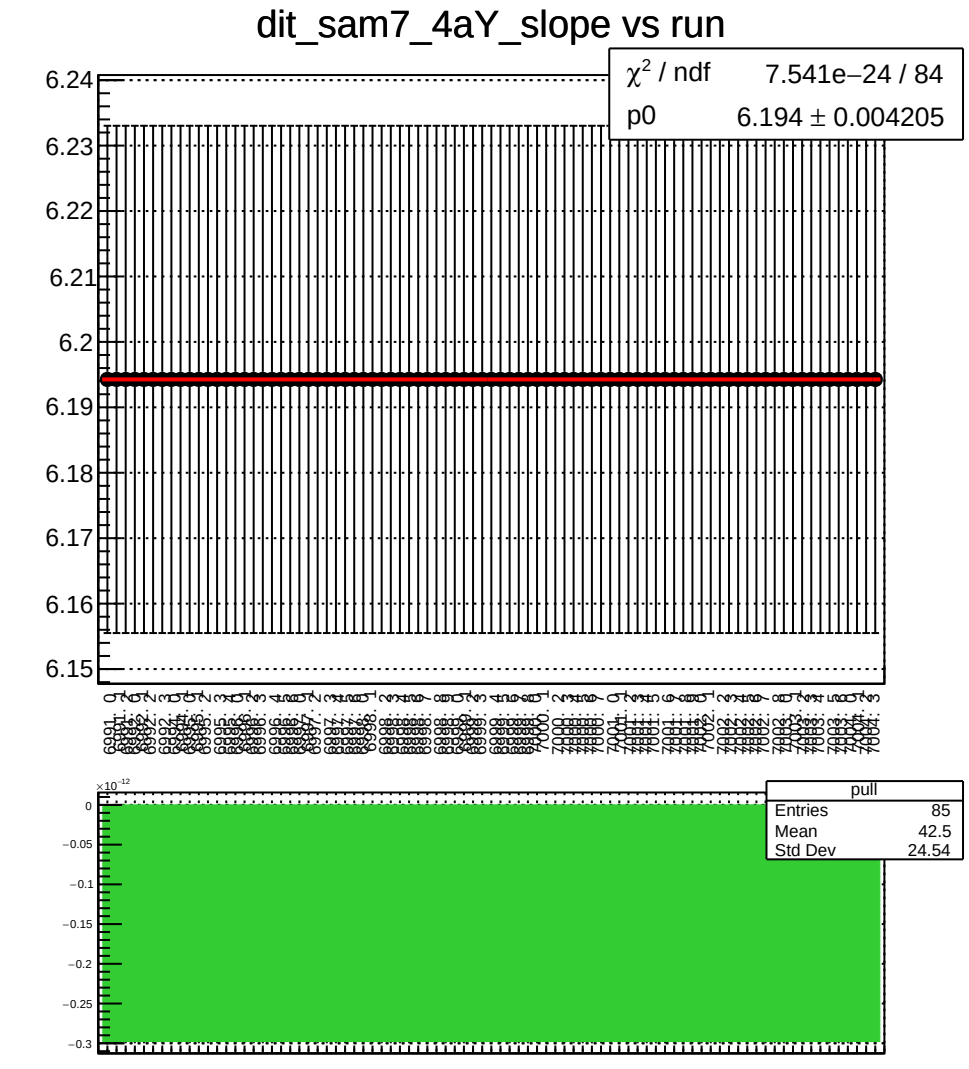
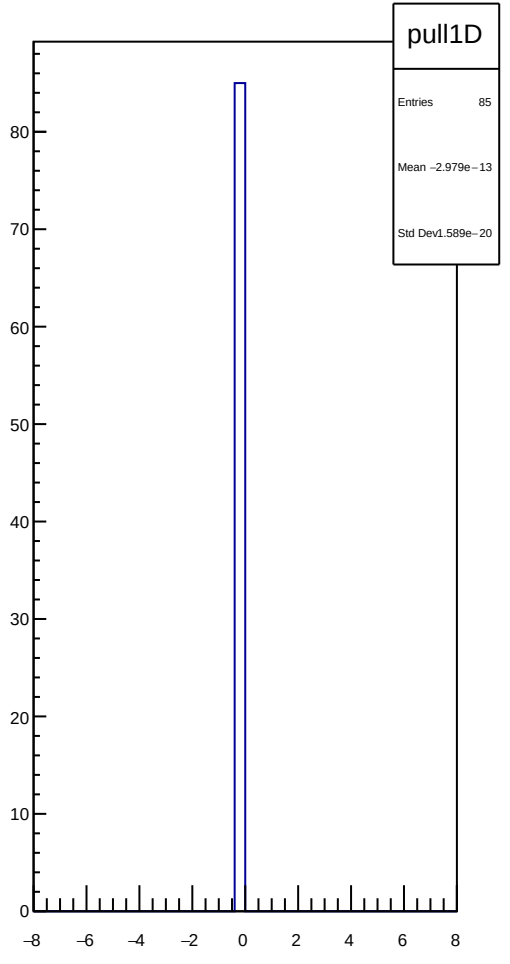
8


dit_sam7_11X12X_slope vs run
χ² / ndf 3.971e−25 / 84
p0 0.3376 ± 0.001321
0.35
0.345
0.34
0.335
0.33
0.325
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
70
60
50
40
30
20
10
0


pull1D
Entries 85
Mean 6.835e−14
Std Dev5.357e−21
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 7.541e−24 / 84
p0 6.194 ± 0.004205
6.24
6.23
6.22
6.21
6.2
6.19
6.18
6.17
6.16
6.15
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3


pull1D
Entries 85
Mean −2.979e−13
Std Dev1.589e−20
80
70
60
50
40
30
20
10
0
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−6
−4
−2
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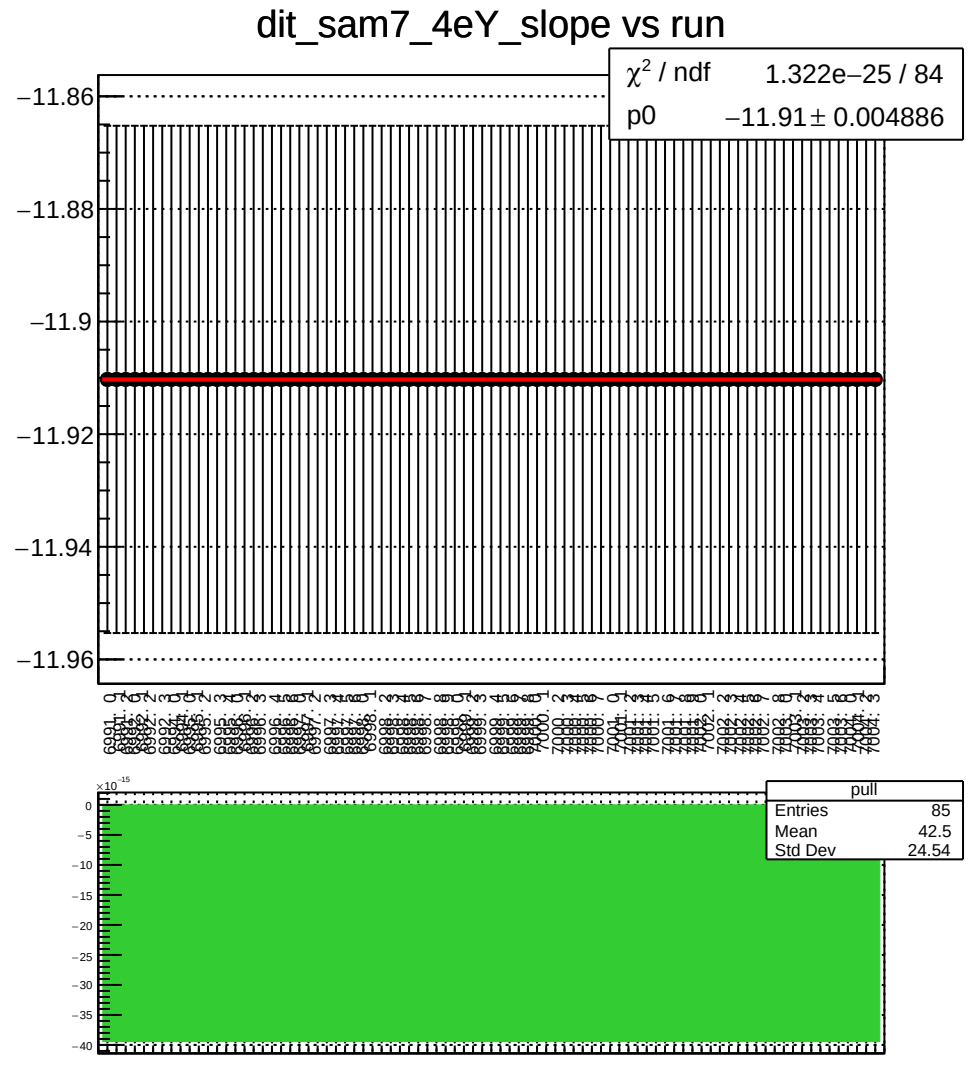
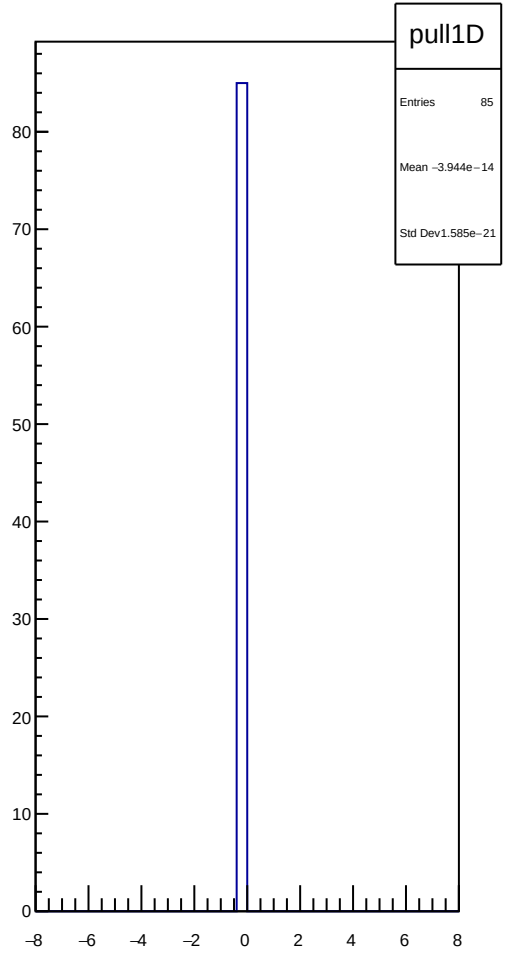
2
4
6
8


dit_sam7_4eY_slope vs run
χ² / ndf 1.322e−25 / 84
p0 −11.91 ± 0.004886
−11.86
−11.88
−11.9
−11.92
−11.94
−11.96
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40


pull1D
Entries 85
Mean −3.944e−14
Std Dev1.585e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
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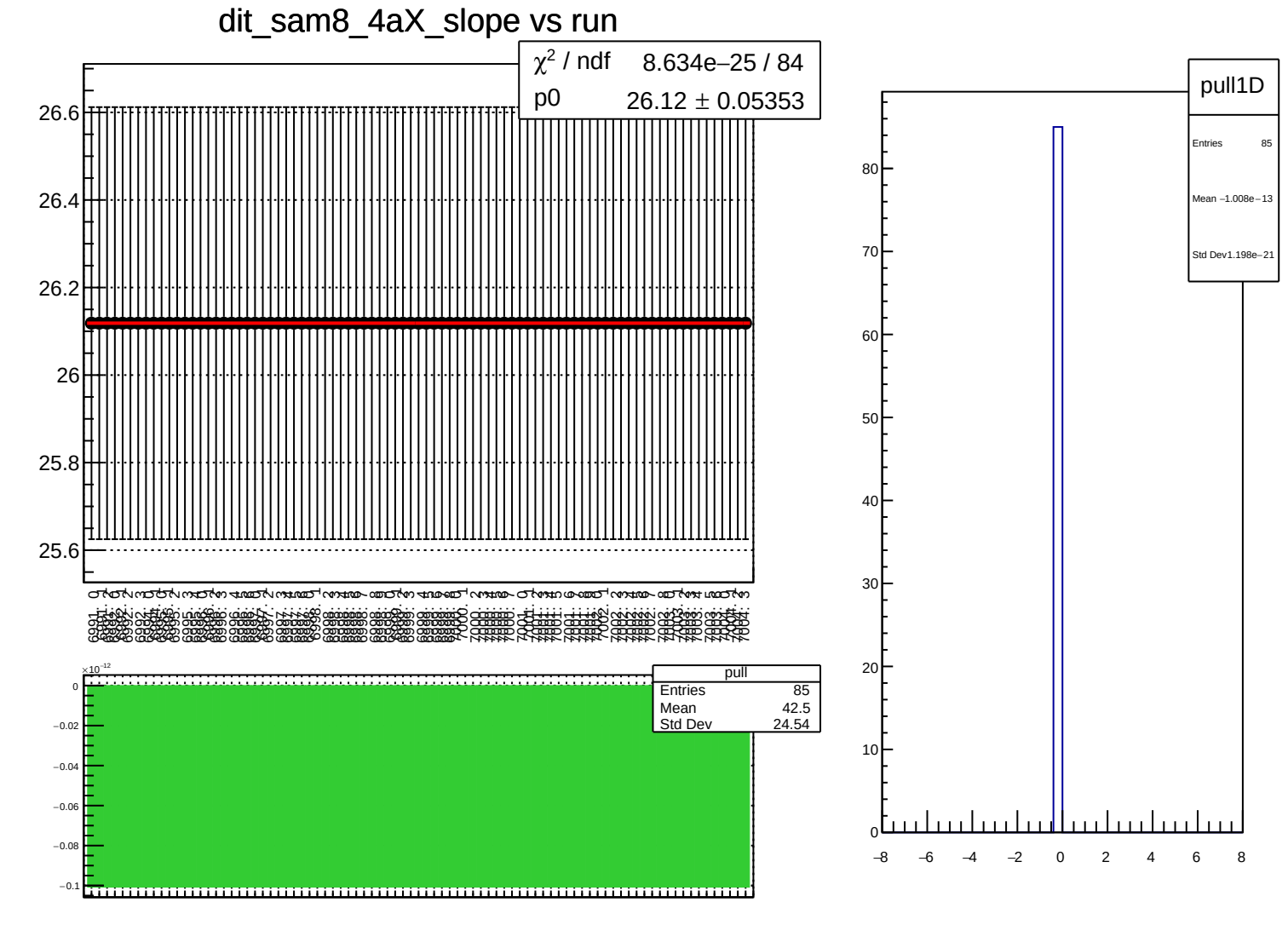
2
4
6
8


dit_sam8_4aX_slope vs run
χ² / ndf 8.634e−25 / 84
p0 26.12 ± 0.05353
26.6
26.4
26.2
26
25.8
25.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 85
Mean −1.008e−13
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
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−6
−4
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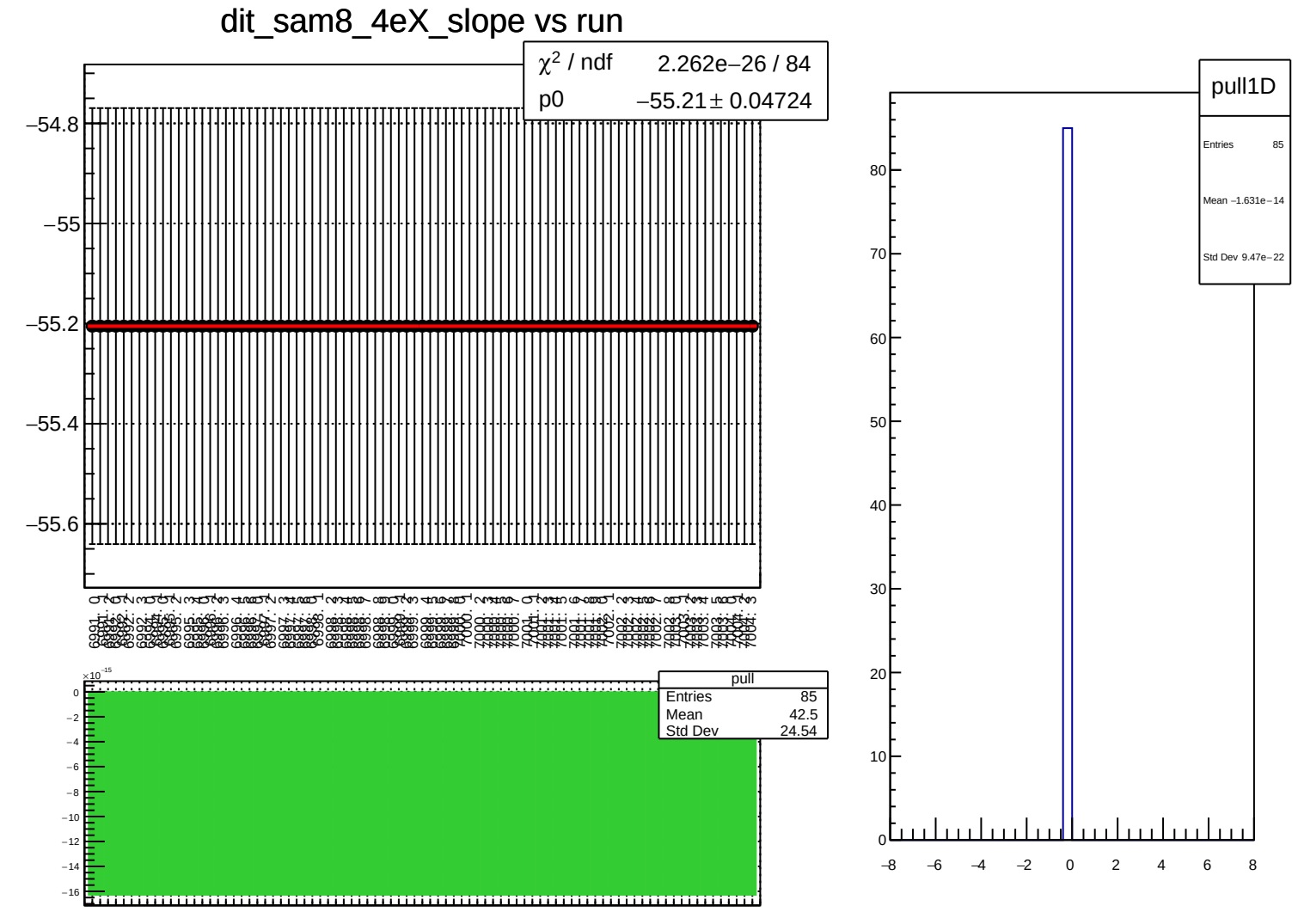
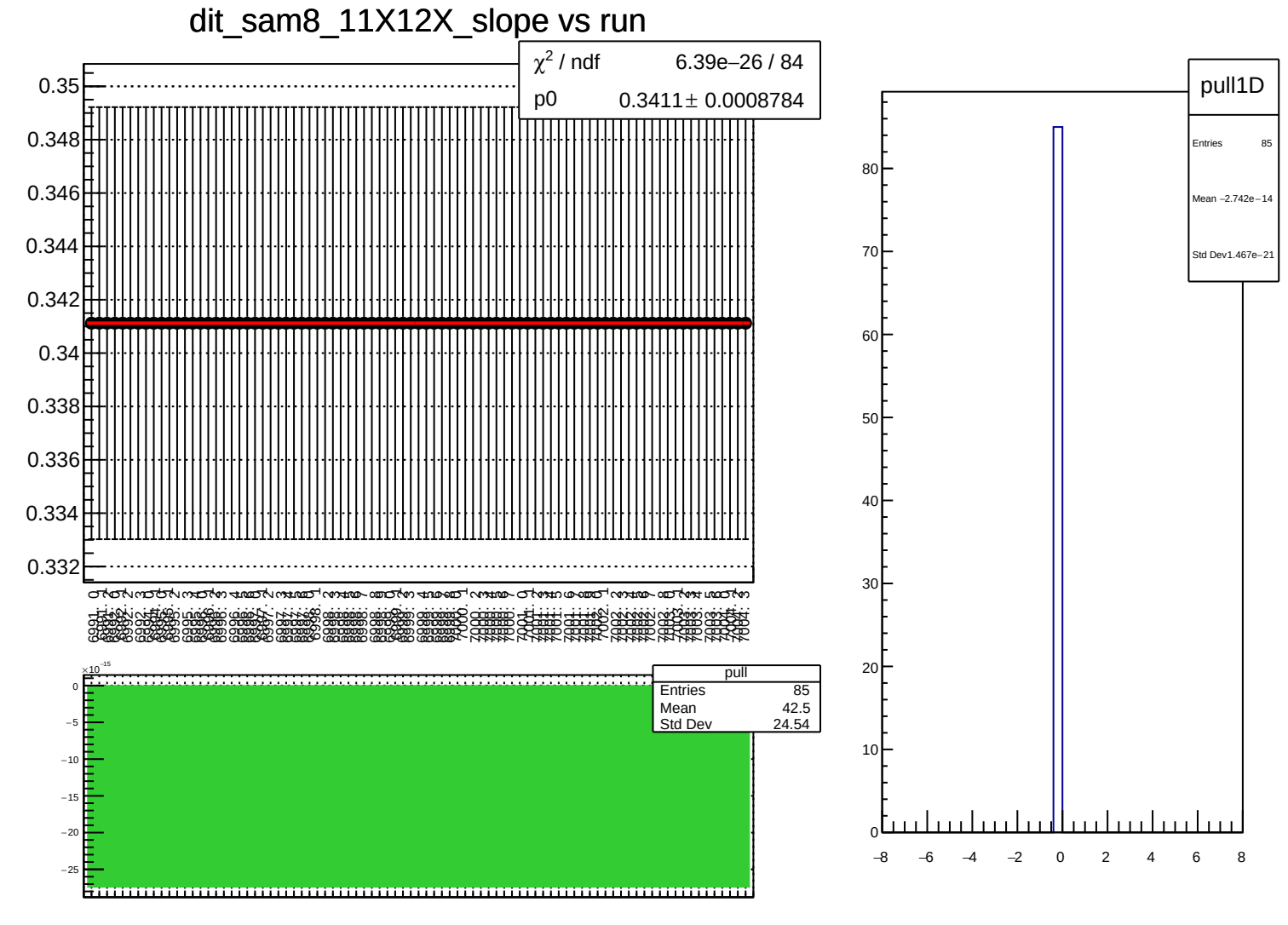
0
2
4
6
8


dit_sam8_4eX_slope vs run
χ² / ndf 2.262e−26 / 84
p0 −55.21 ± 0.04724
−54.8
−55
−55.2
−55.4
−55.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
pull1D
Entries 85
Mean −1.631e−14
Std Dev 9.47e−22


dit_sam8_11X12X_slope vs run
χ² / ndf 6.39e−26 / 84
p0 0.3411 ± 0.0008784
0.35
0.348
0.346
0.344
0.342
0.34
0.338
0.336
0.334
0.332
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 85
Mean −2.742e−14
Std Dev1.467e−21
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50
40
30
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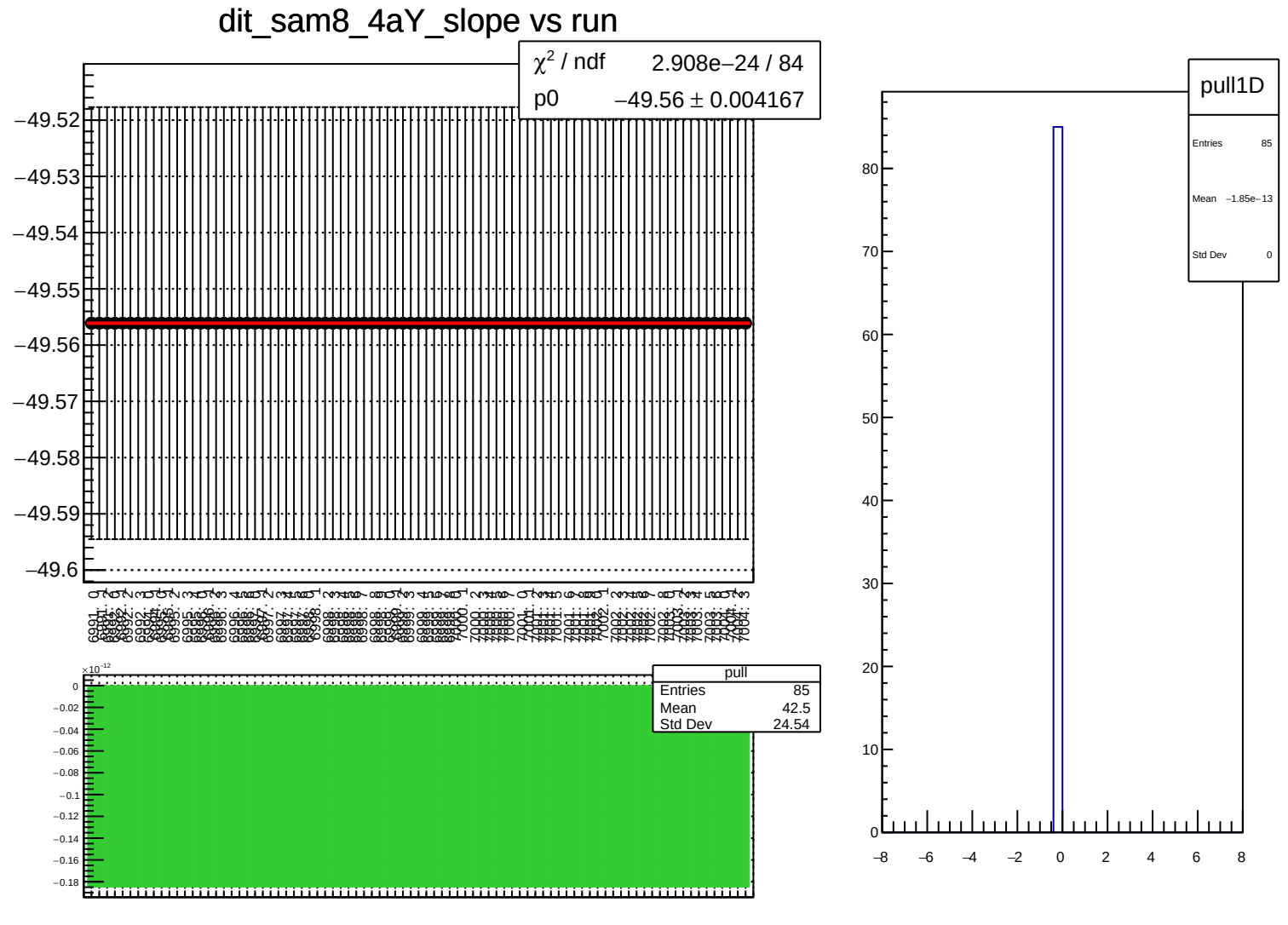
−4
−2
0
2
4
6
8


dit_sam8_4aY_slope vs run
χ² / ndf 2.908e−24 / 84
p0 −49.56 ± 0.004167
−49.52
−49.53
−49.54
−49.55
−49.56
−49.57
−49.58
−49.59
−49.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 85
Mean −1.85e−13
Std Dev 0
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50
40
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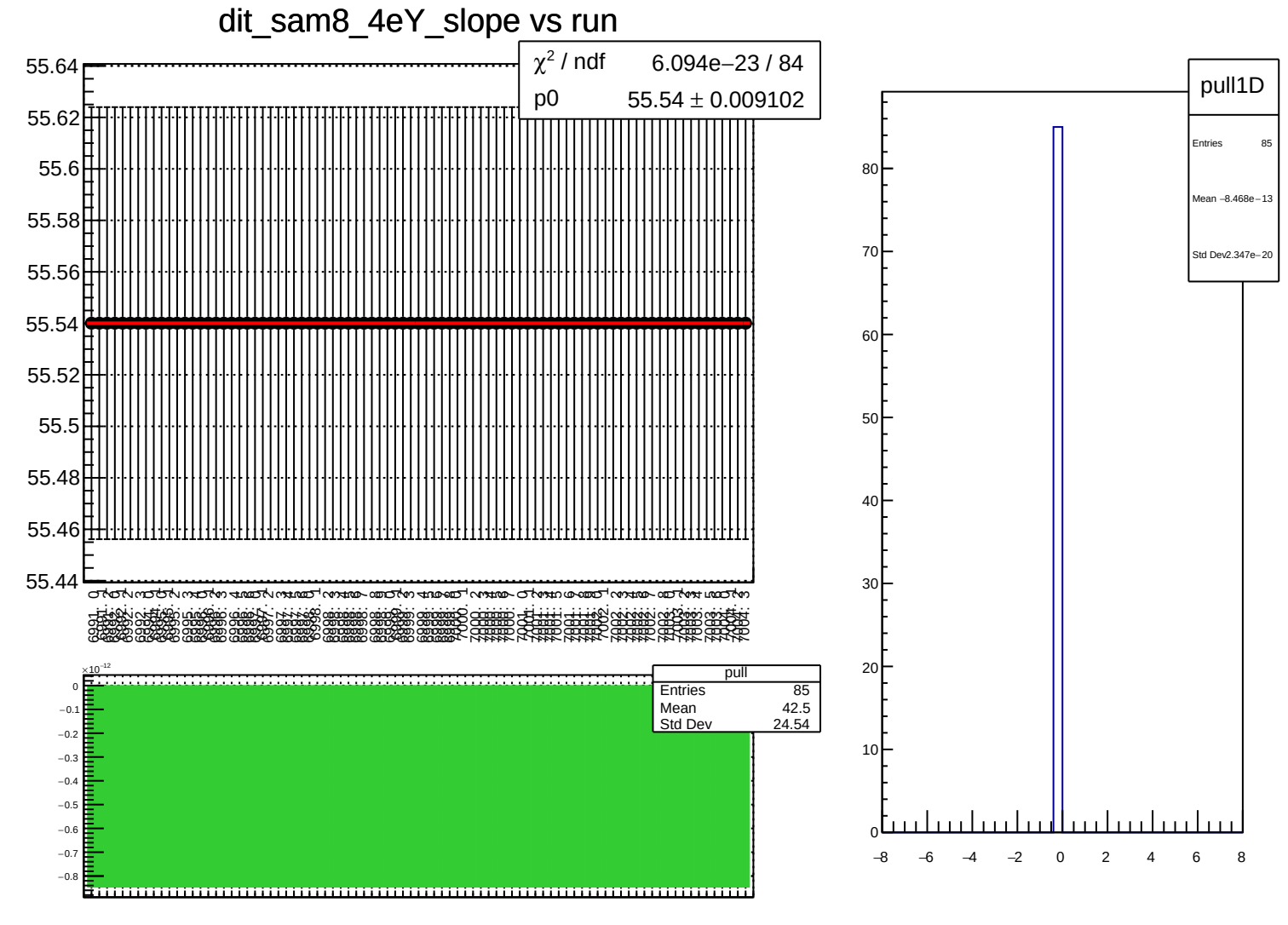
6
8


dit_sam8_4eY_slope vs run
χ² / ndf 6.094e−23 / 84
p0 55.54 ± 0.009102
55.64
55.62
55.6
55.58
55.56
55.54
55.52
55.5
55.48
55.46
55.44
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
pull1D
Entries 85
Mean −8.468e−13
Std Dev 2.347e−20
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70
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50
40
30
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10
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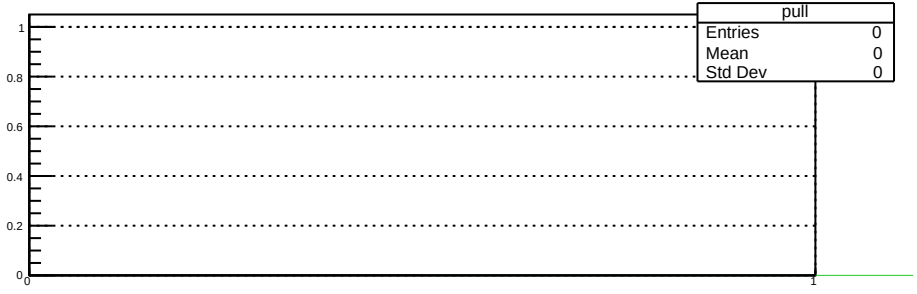
6
8


pull
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Std Dev 0
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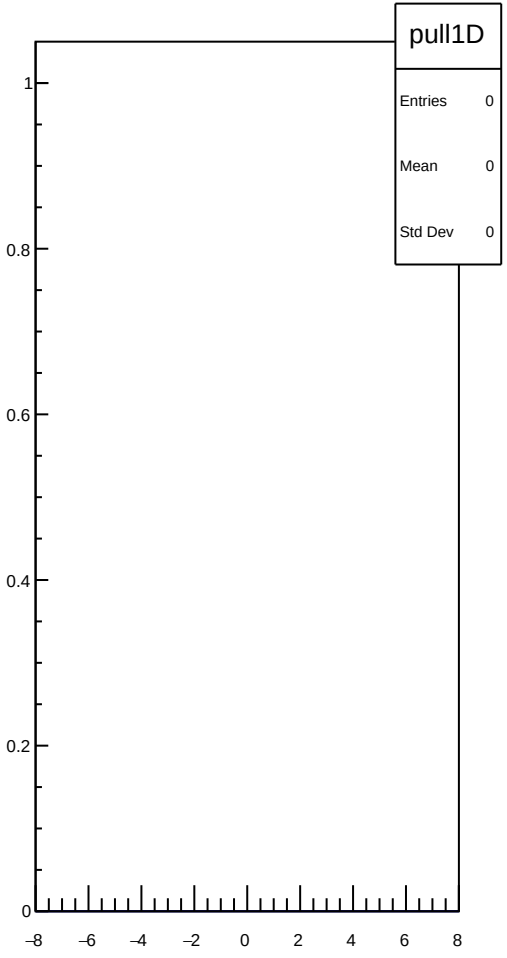
pull1D
Entries 0
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Std Dev 0
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0.4
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6
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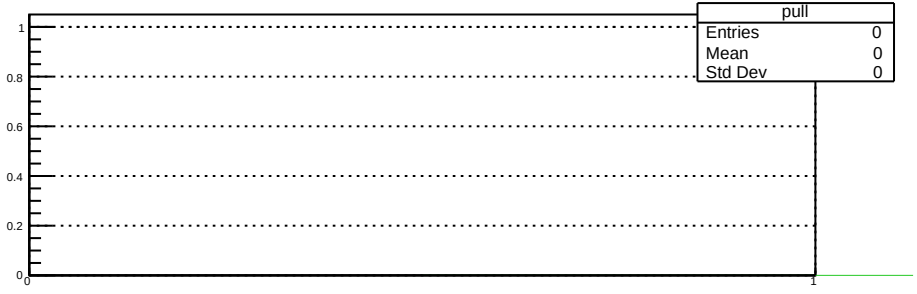
pull
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Std Dev 0
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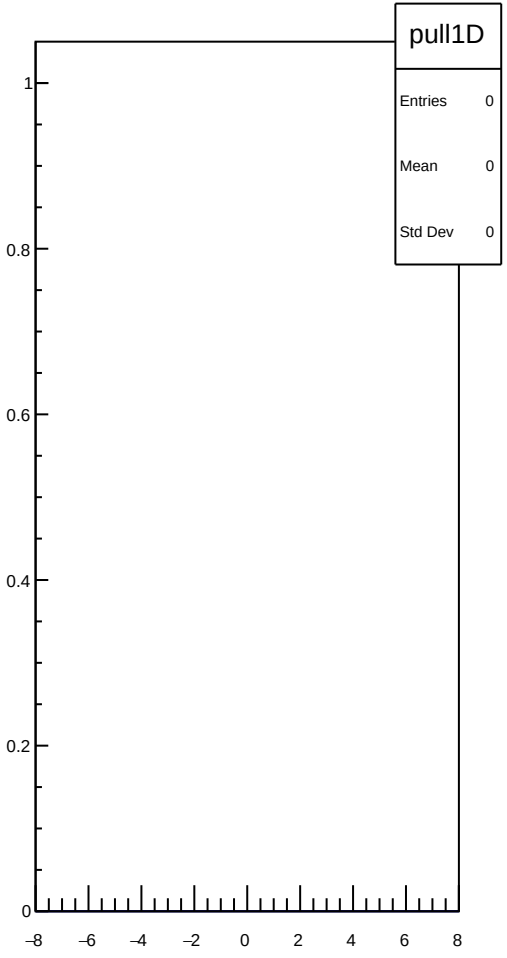
pull1D
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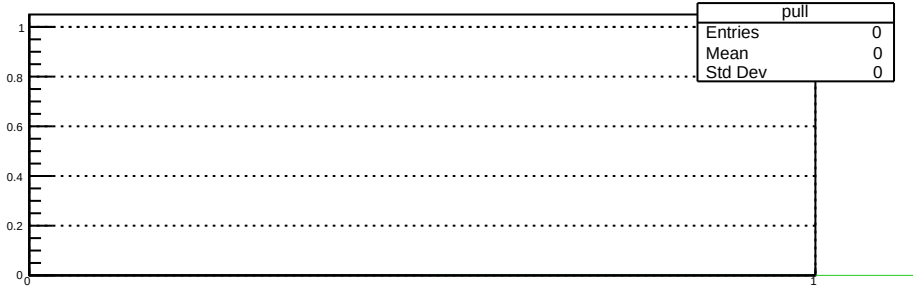
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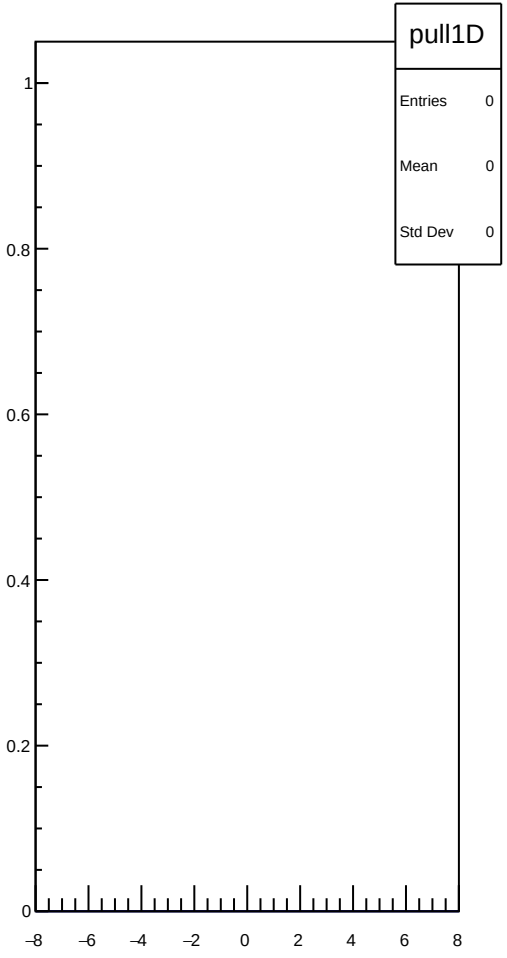
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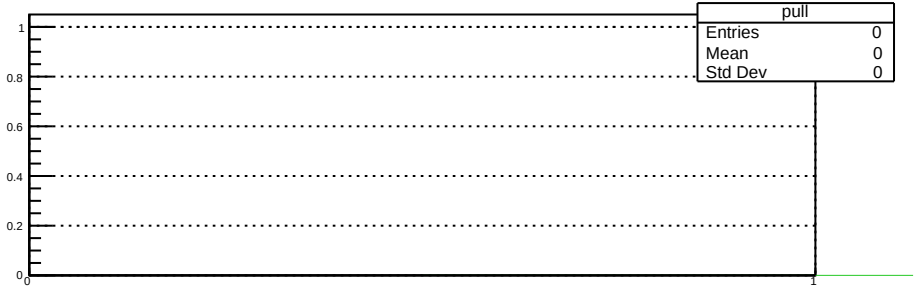
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Std Dev 0
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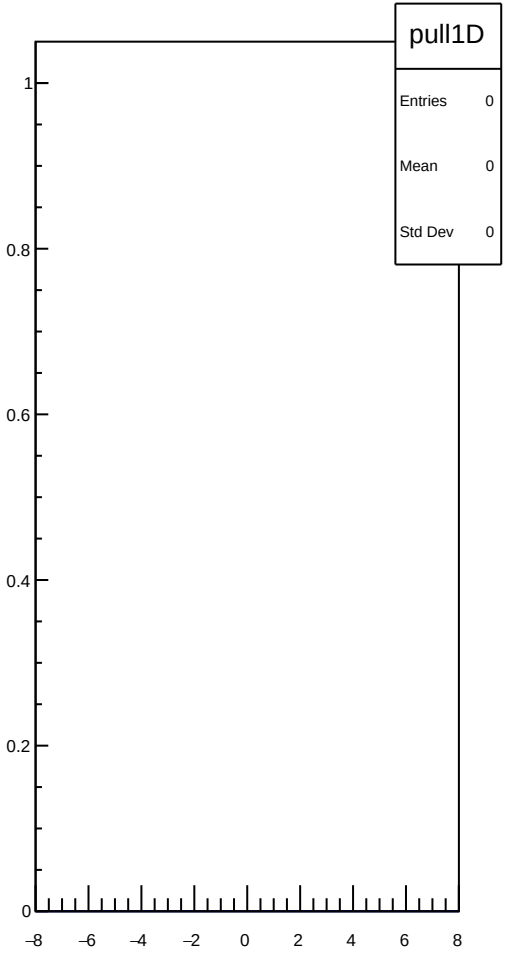
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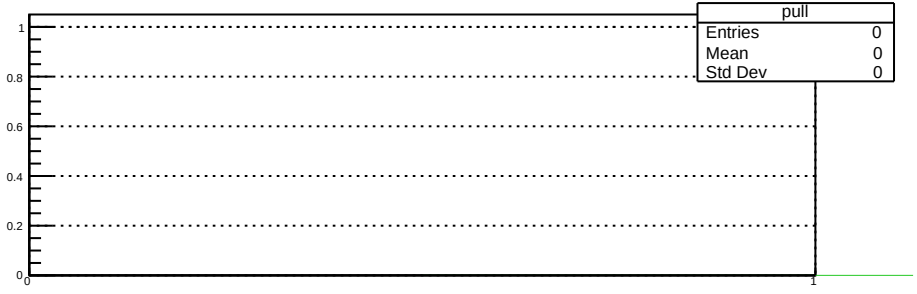
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Std Dev 0
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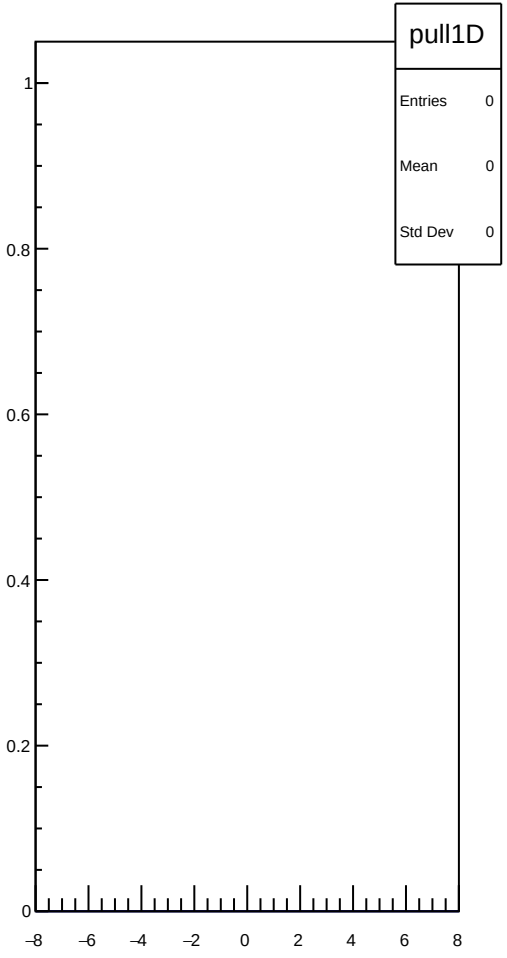
pull1D
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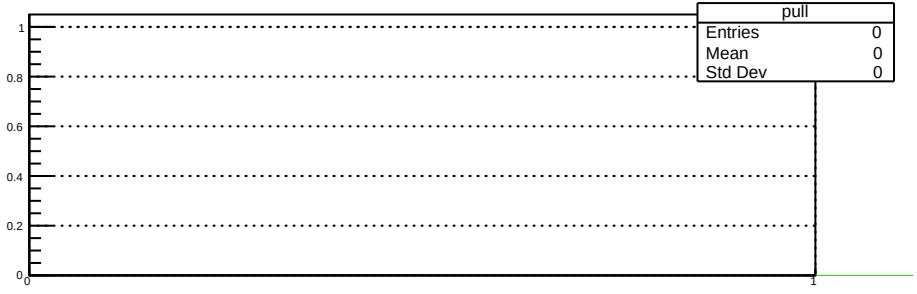
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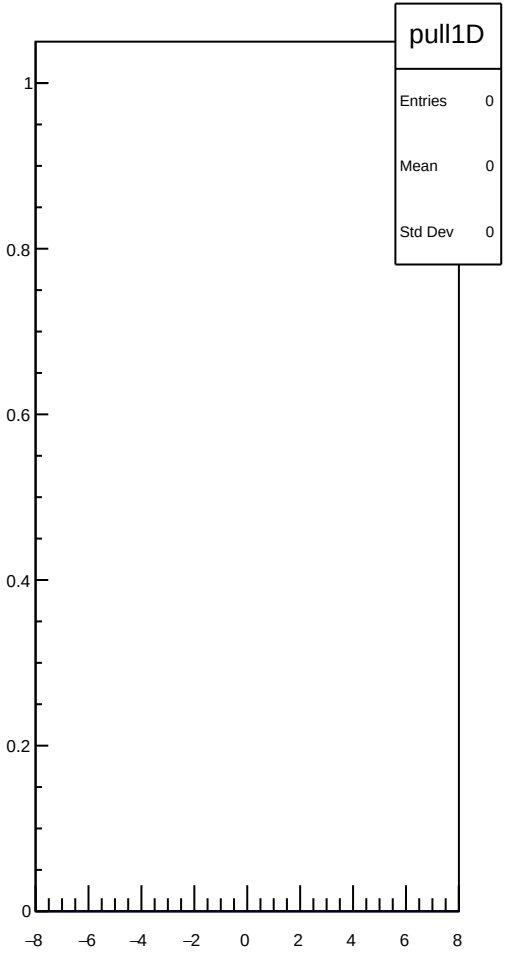
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Std Dev 0
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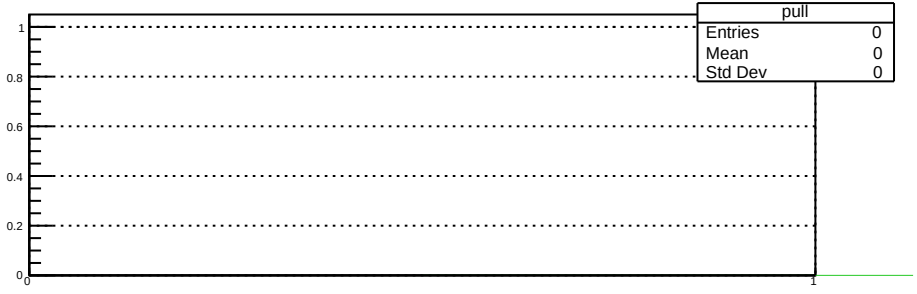
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Std Dev 0
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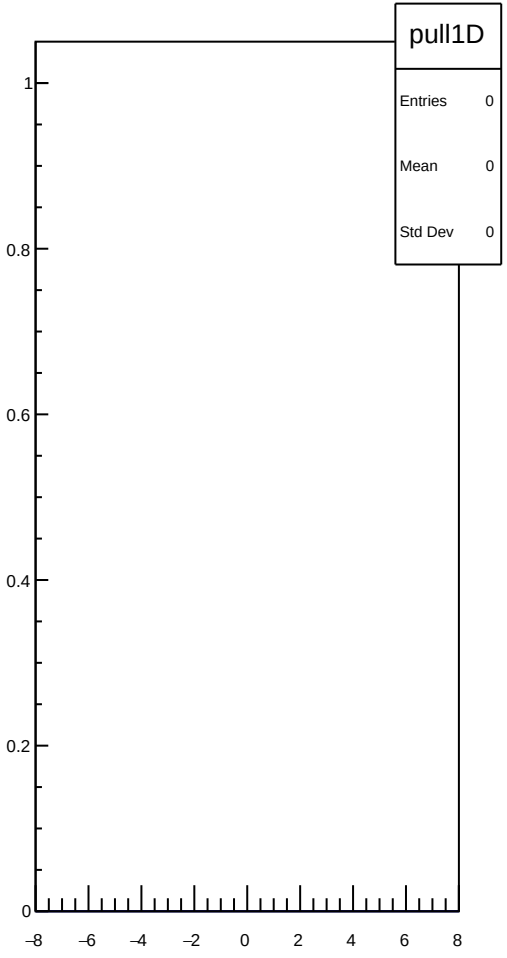
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Std Dev 0
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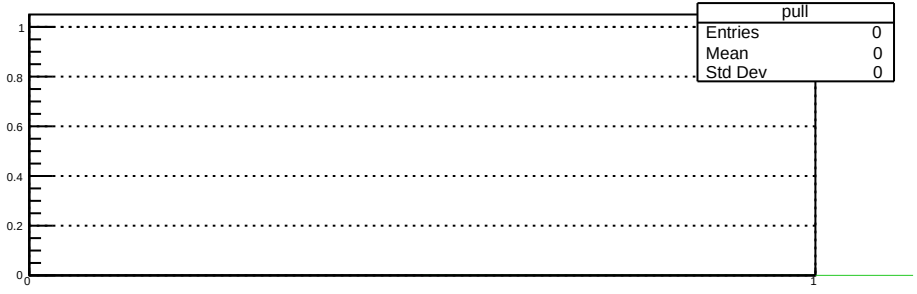
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Std Dev 0
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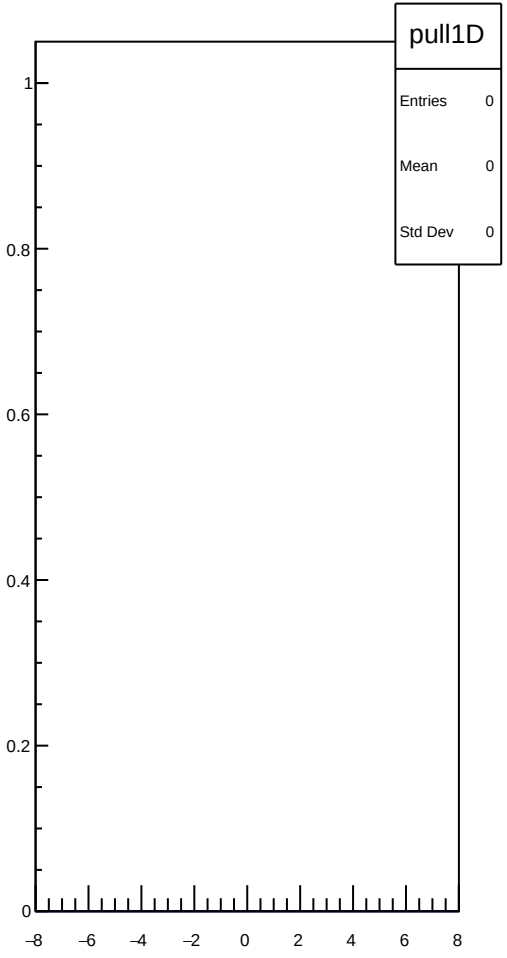
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Std Dev 0
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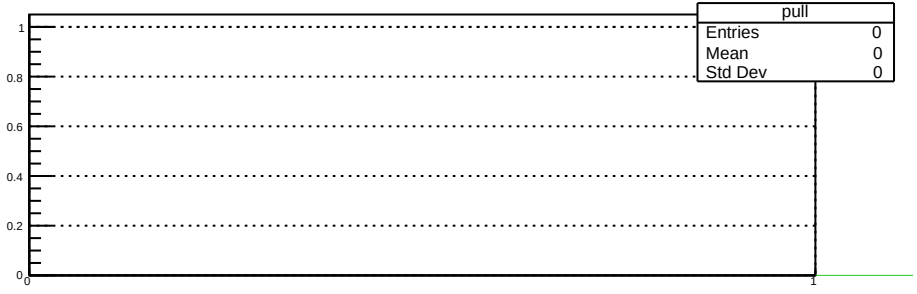
pull
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Std Dev 0
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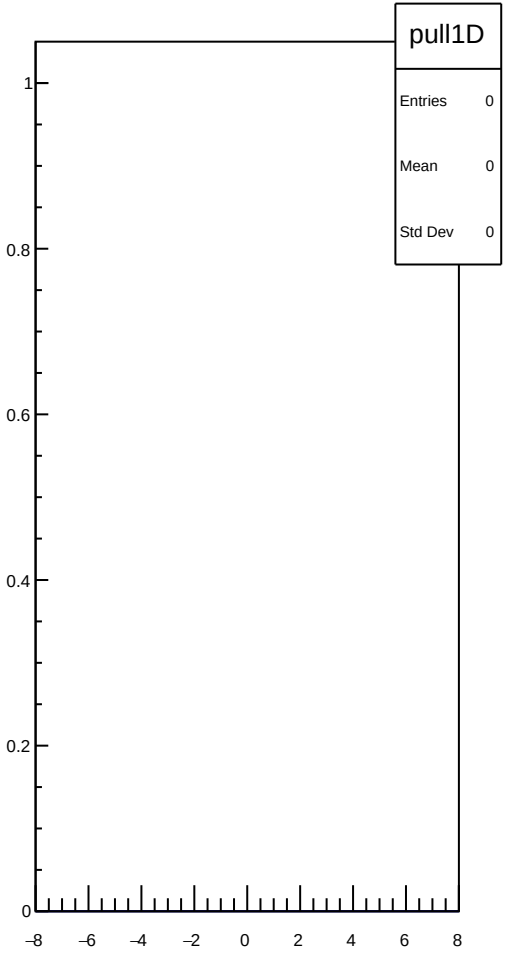
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Std Dev 0
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2
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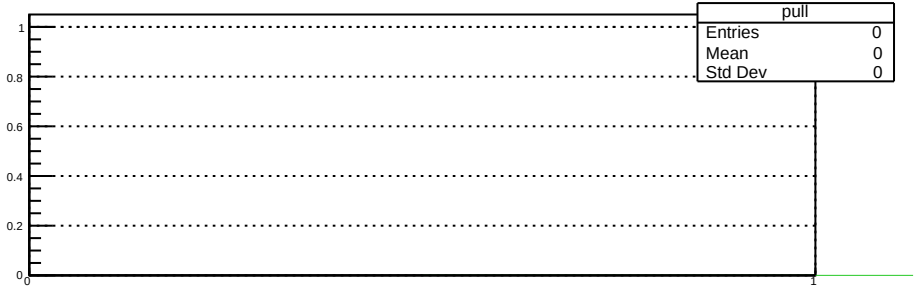
pull
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Std Dev 0
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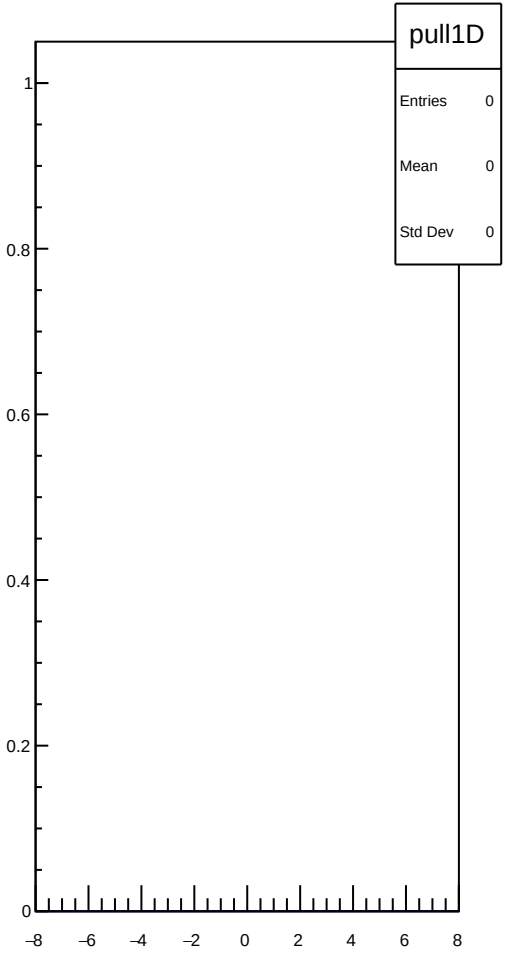
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Mean 0
Std Dev 0
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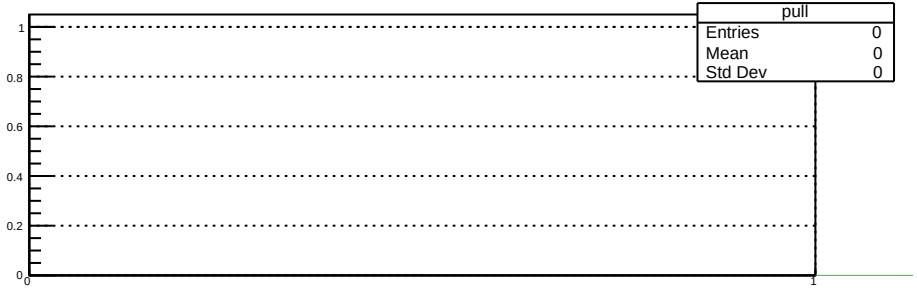
pull
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Std Dev 0
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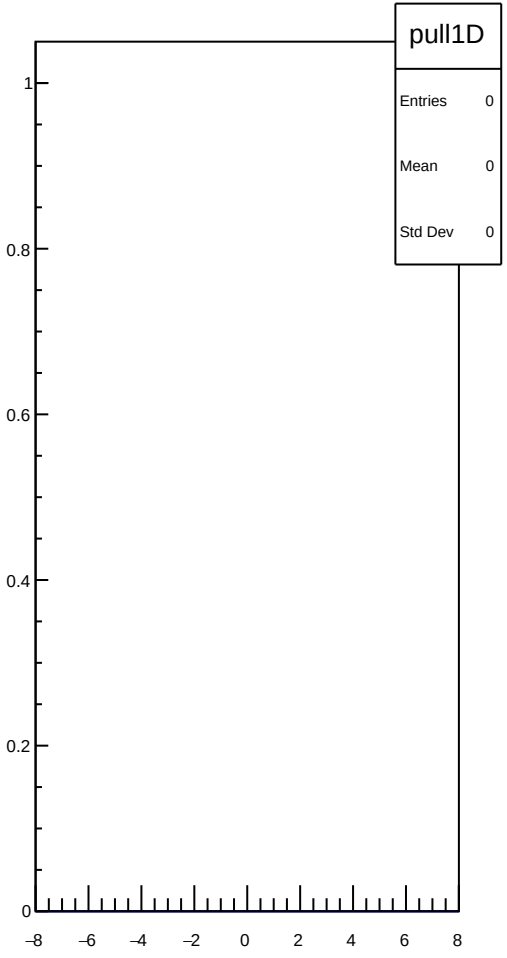
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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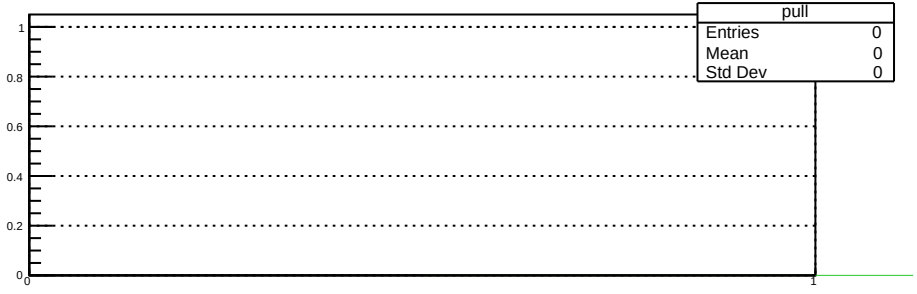
pull
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Std Dev 0
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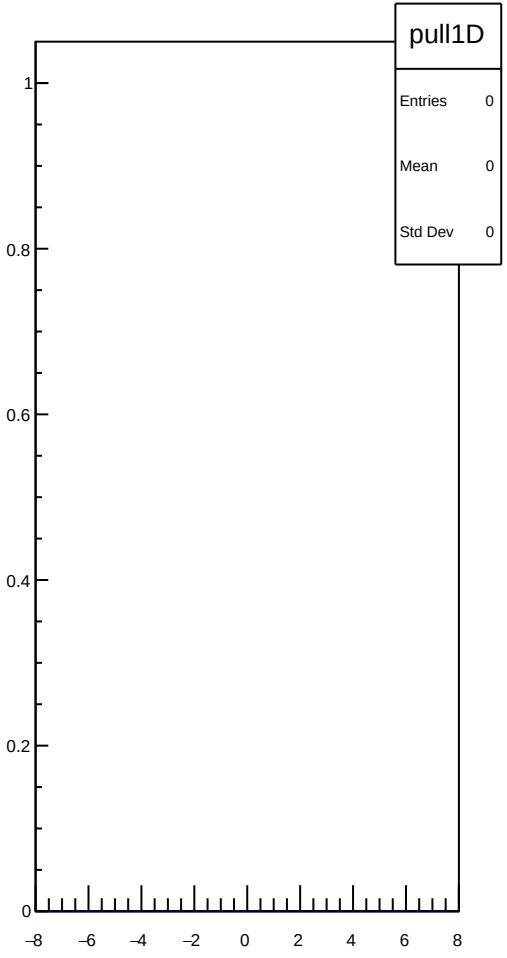
pull1D
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Std Dev 0
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0.4
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4
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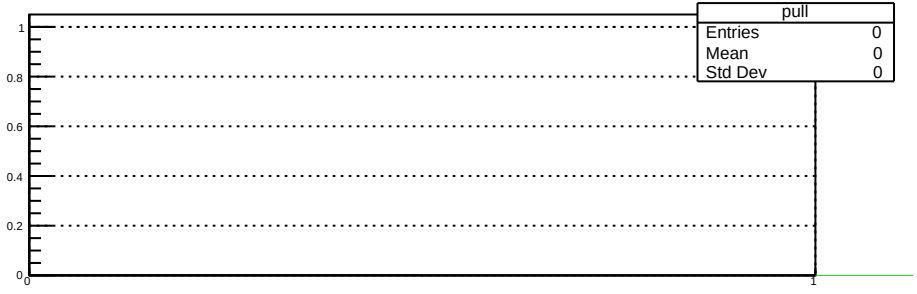
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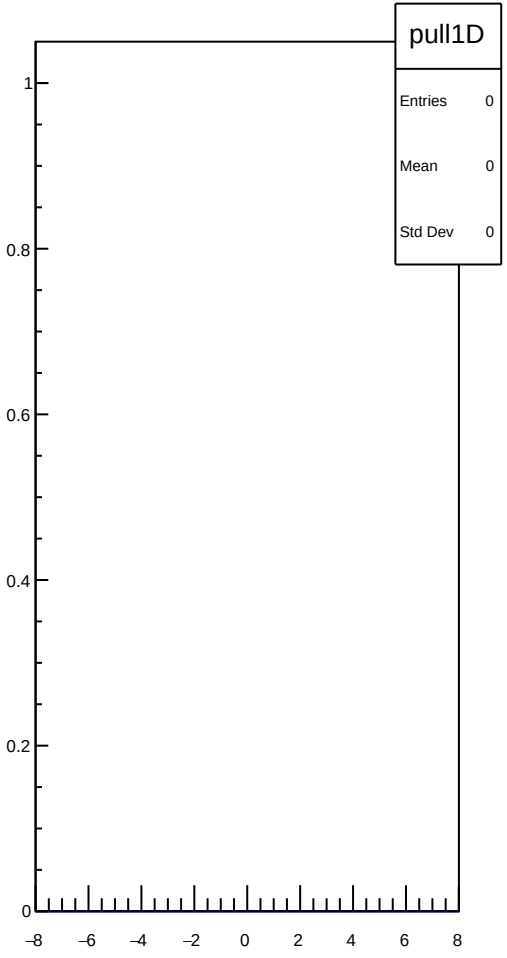
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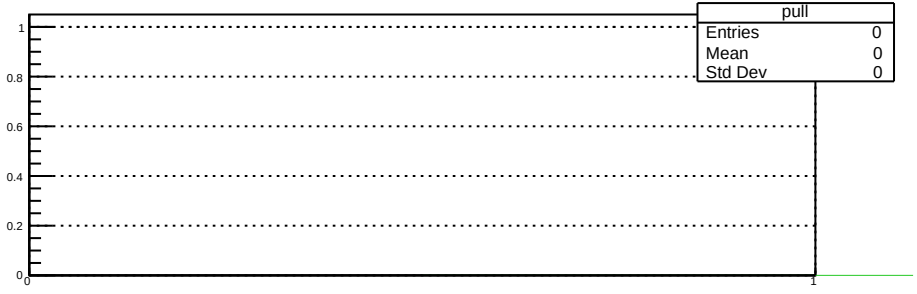
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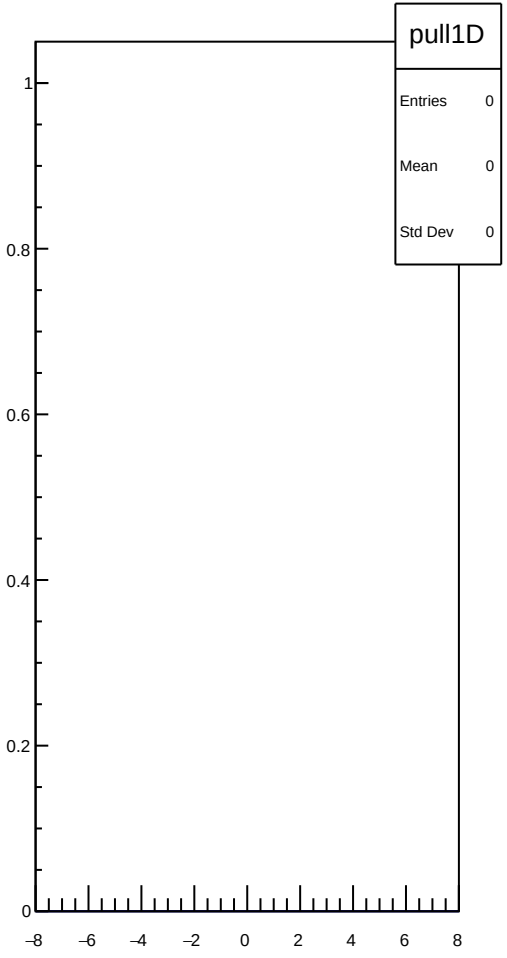
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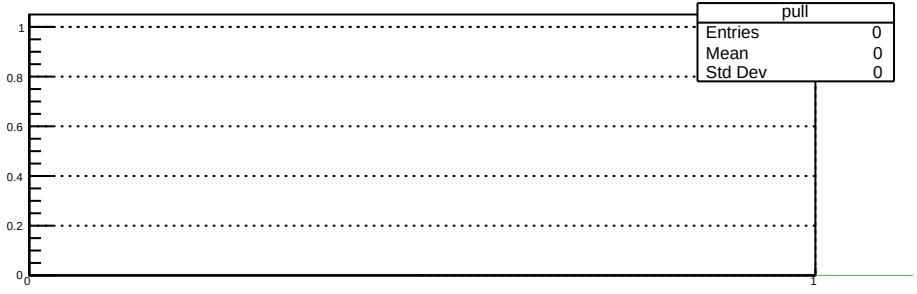
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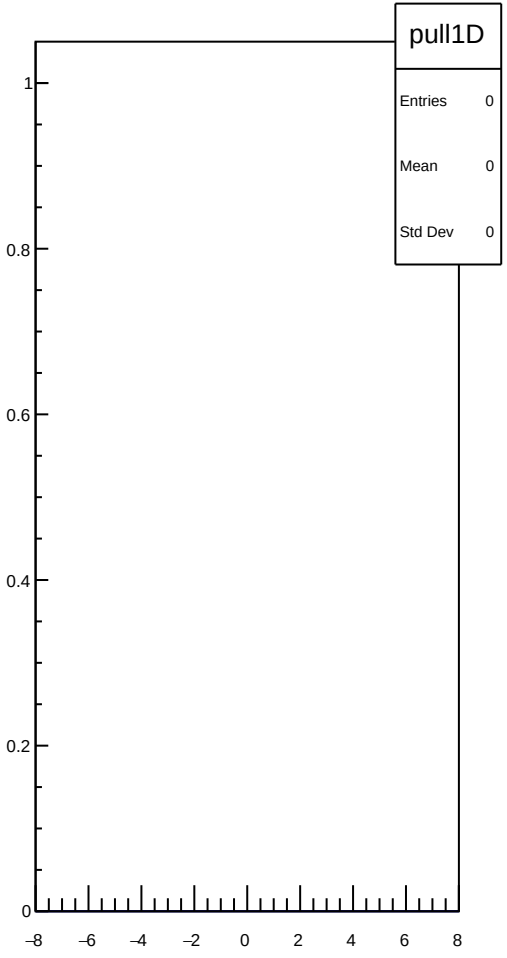
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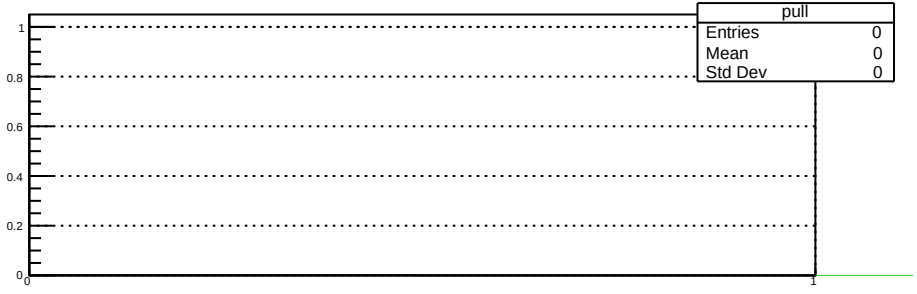
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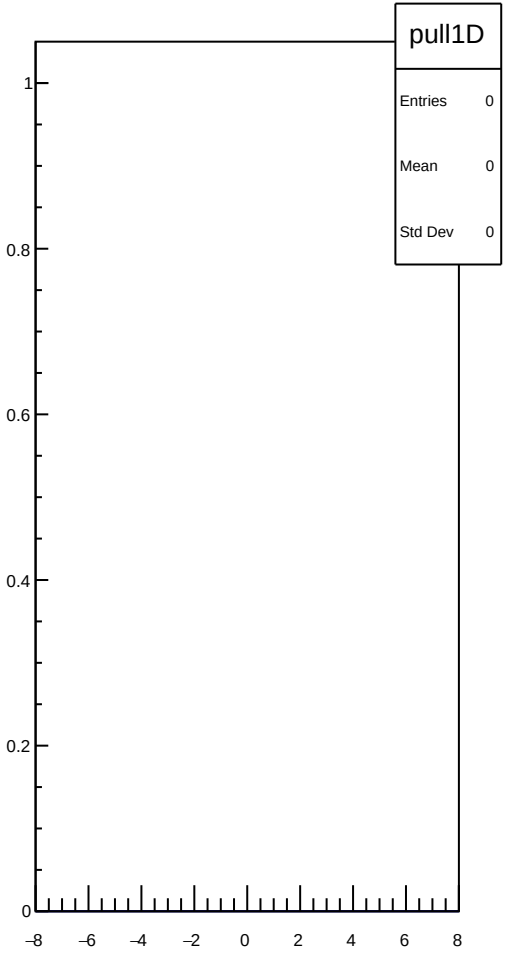
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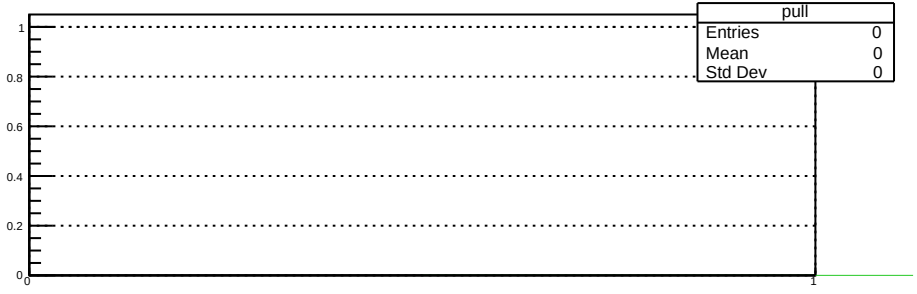
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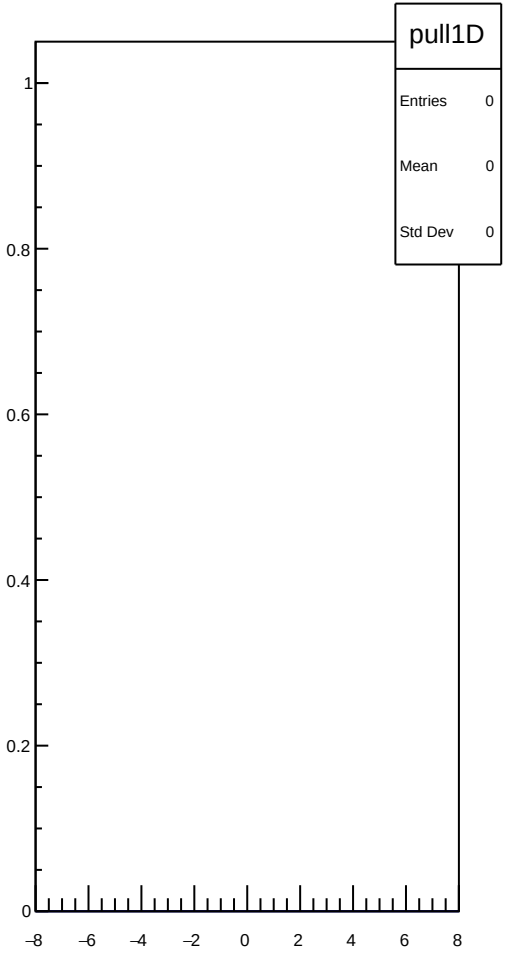
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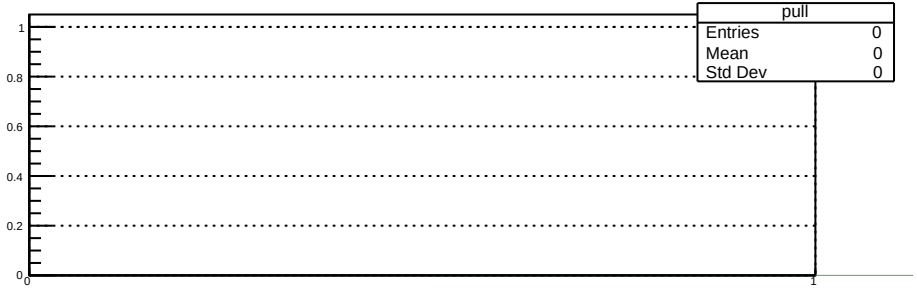
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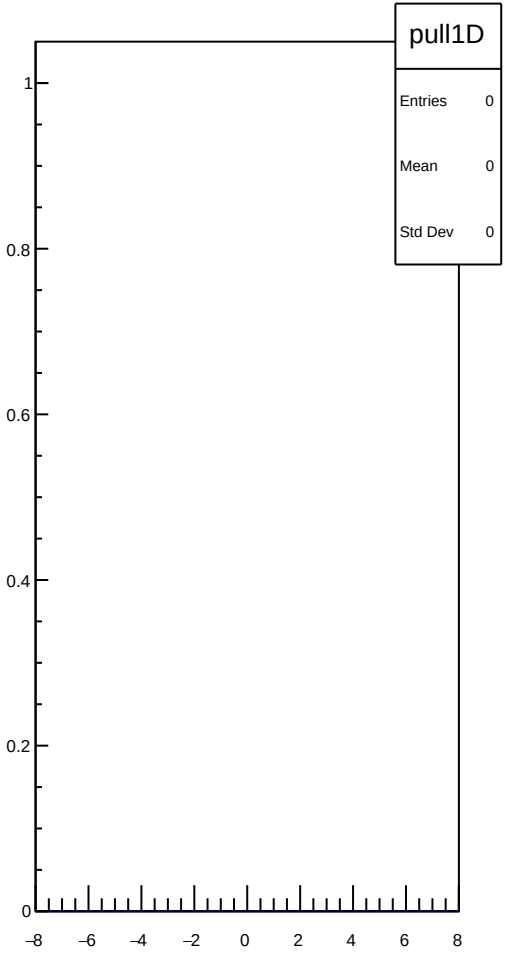
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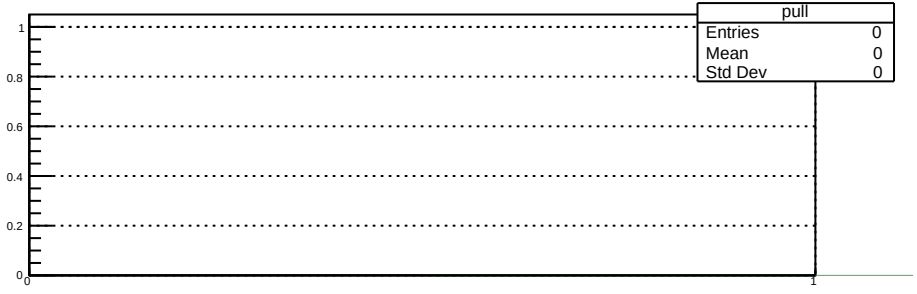
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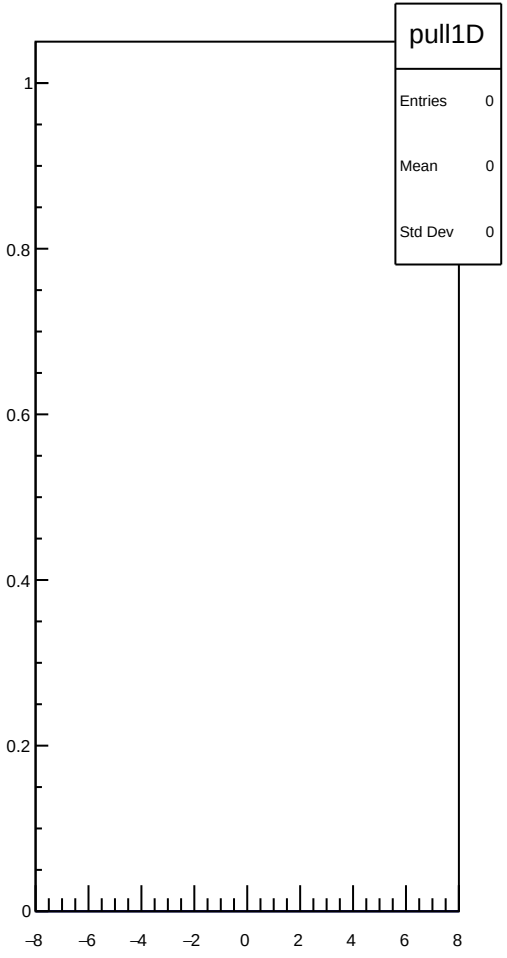
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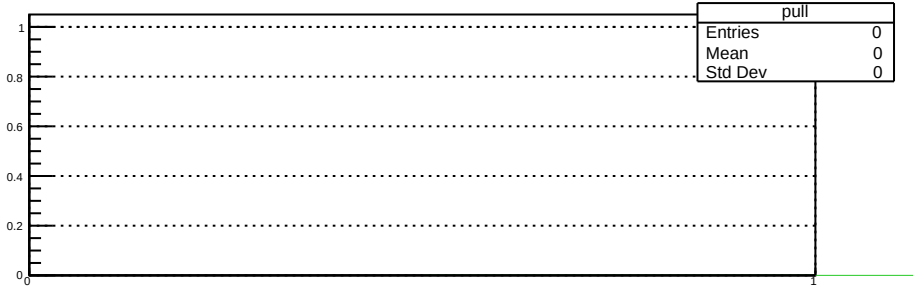
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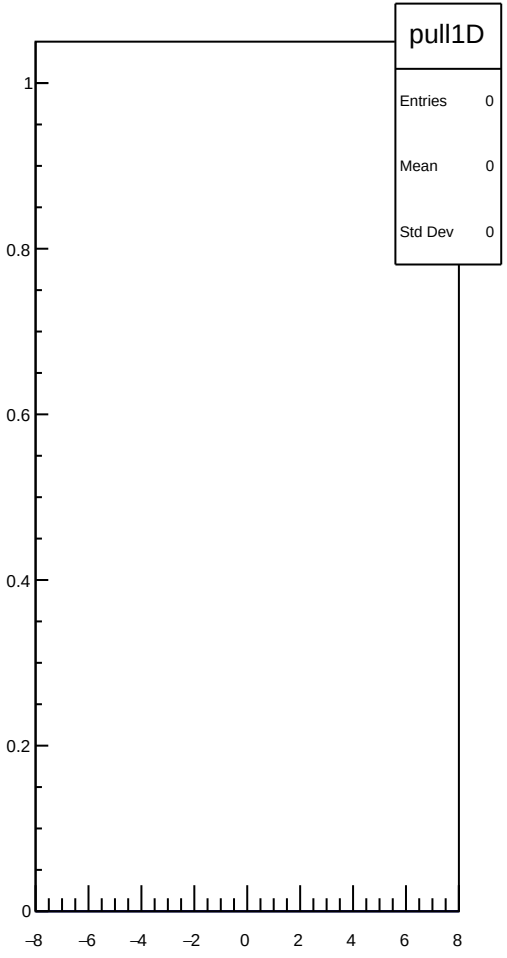
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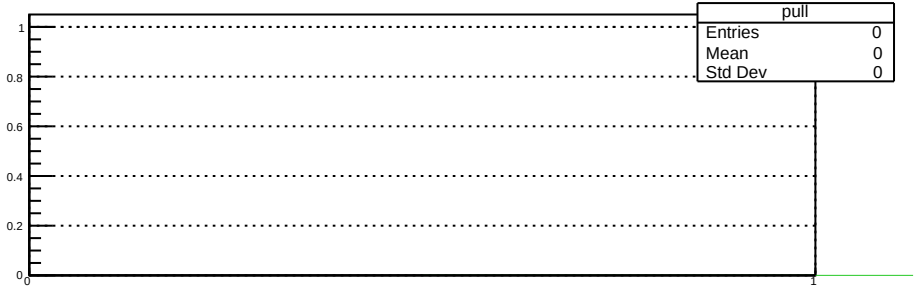
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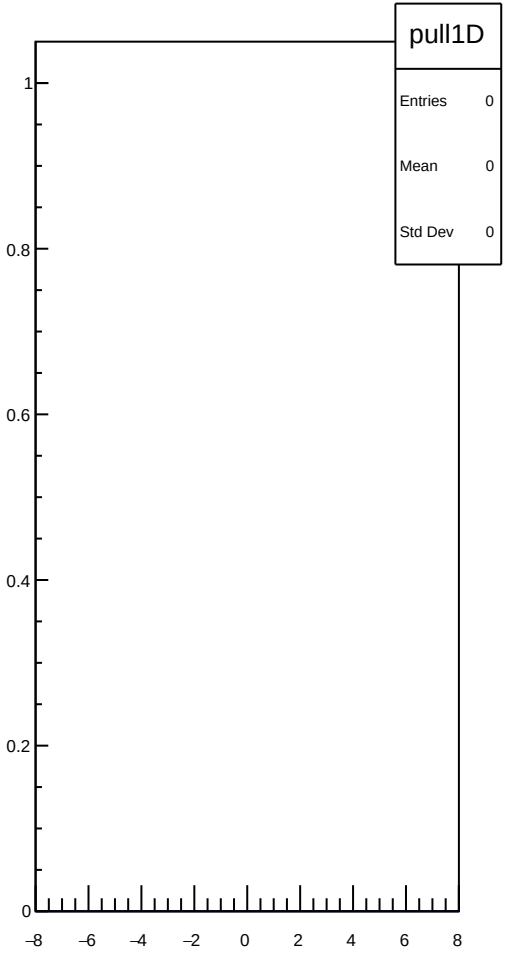
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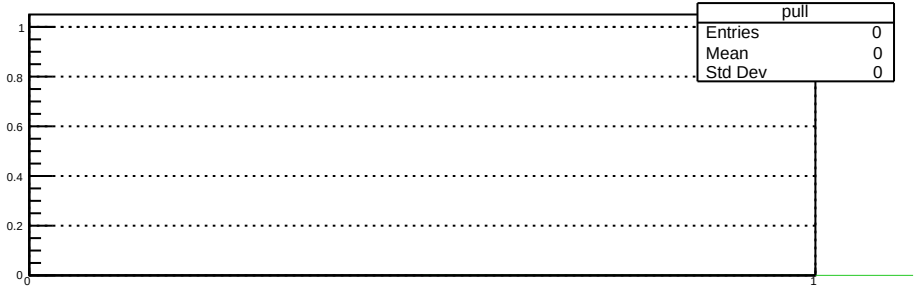
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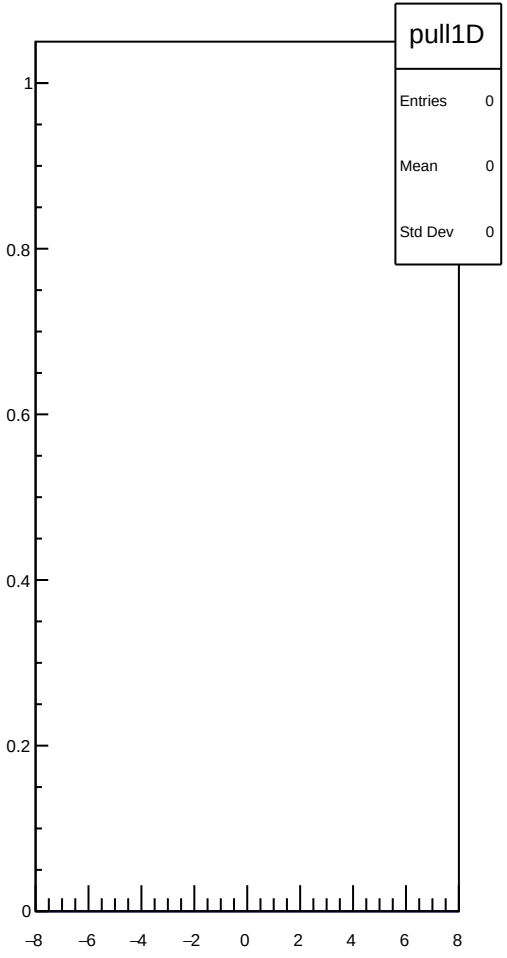
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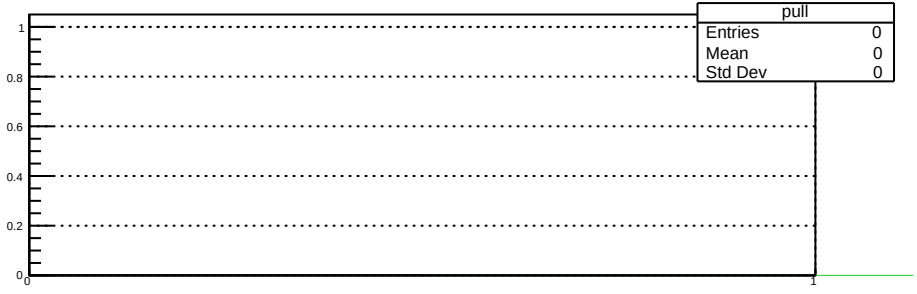
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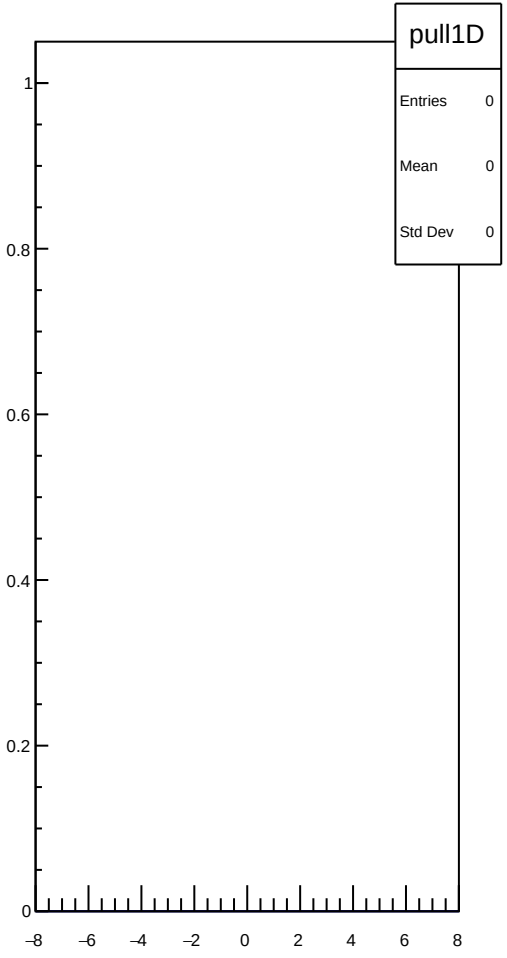
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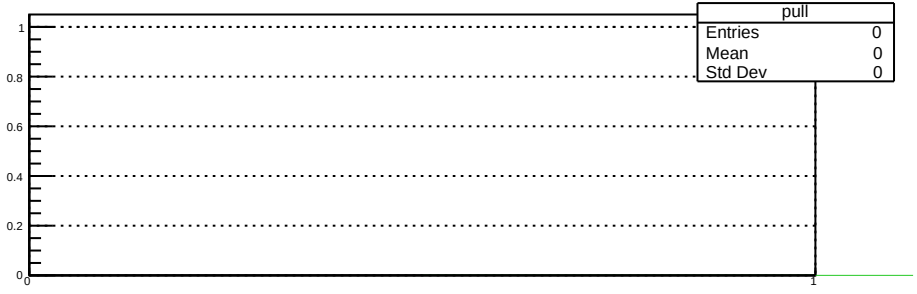
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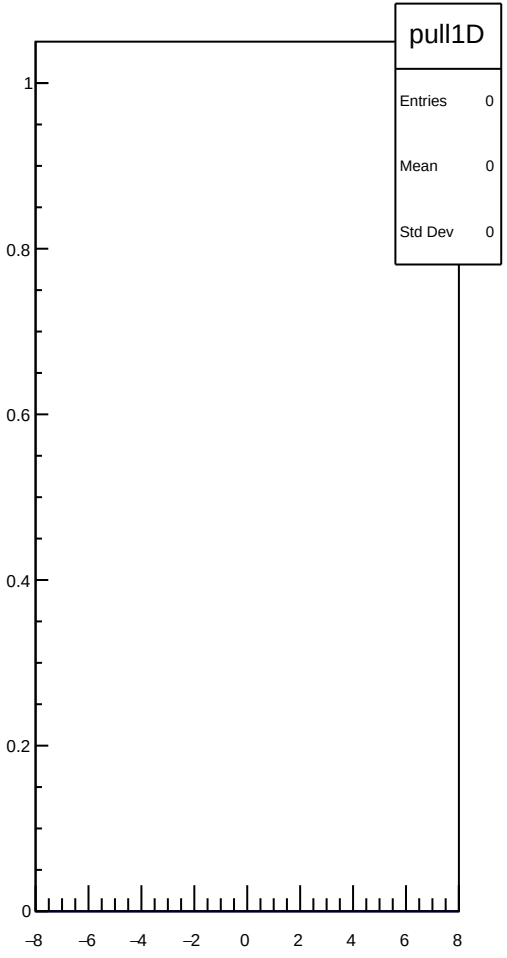
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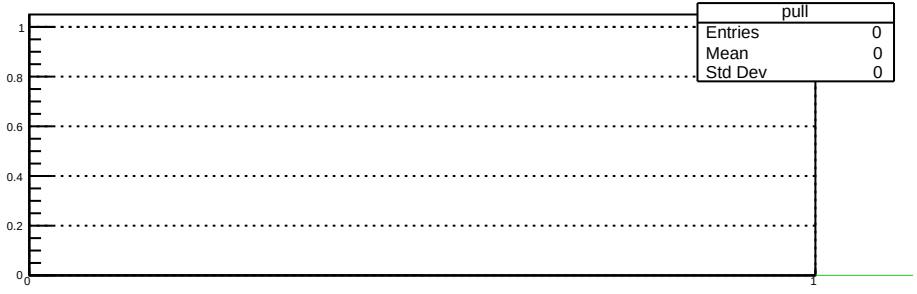
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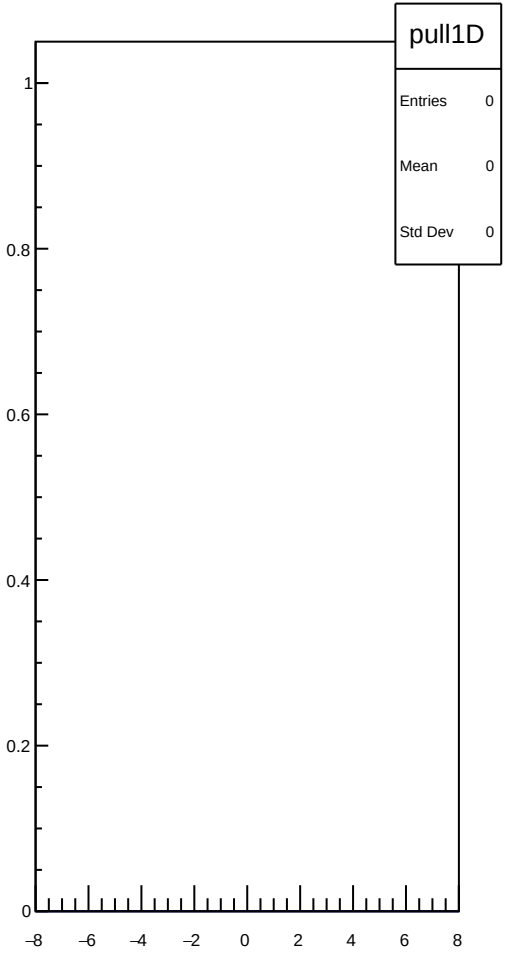
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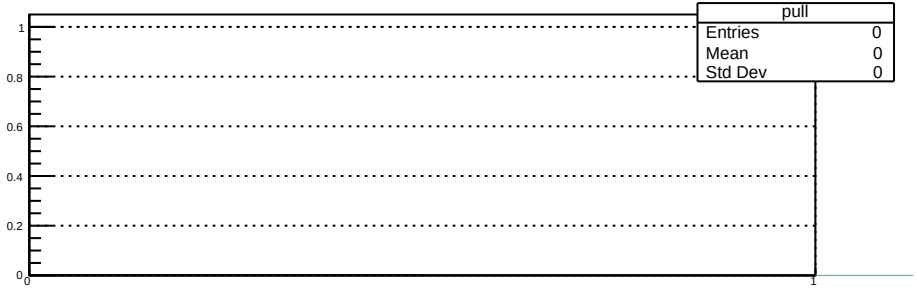
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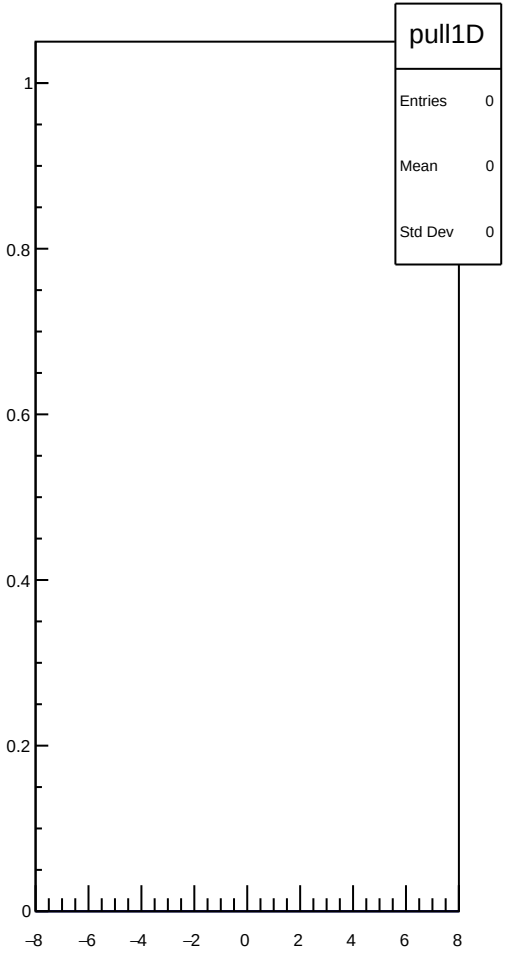
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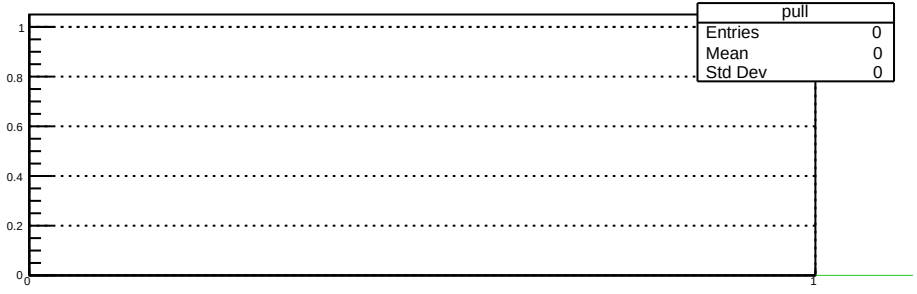
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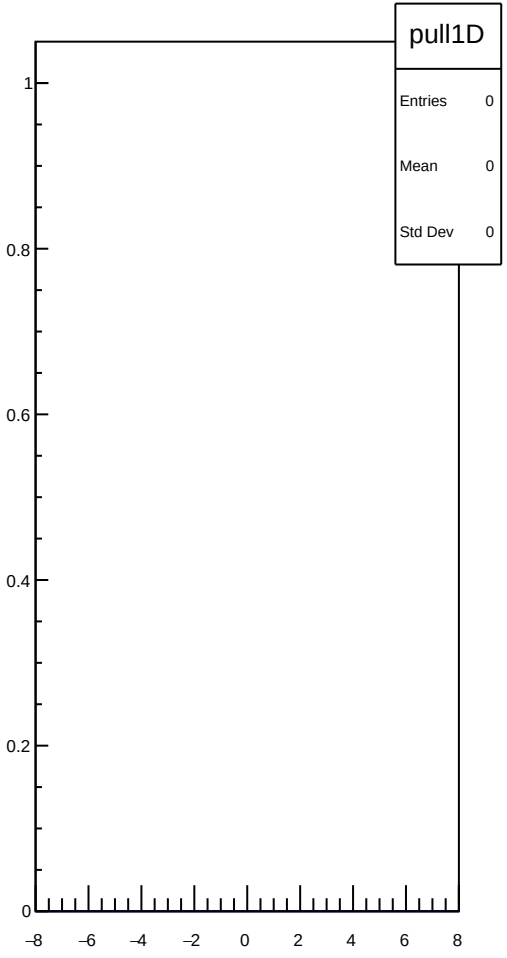
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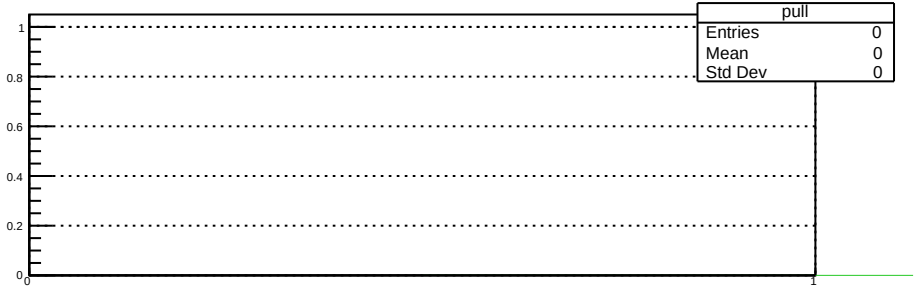
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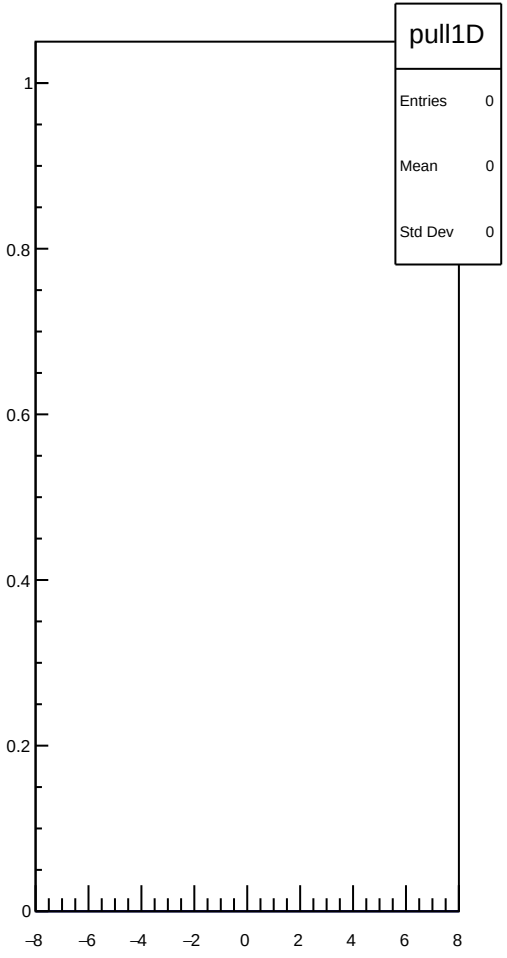
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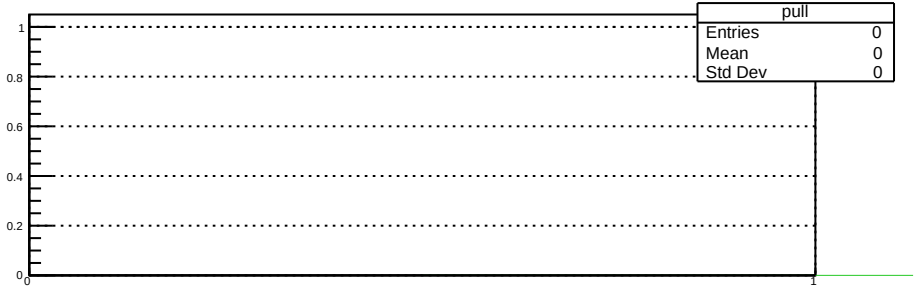
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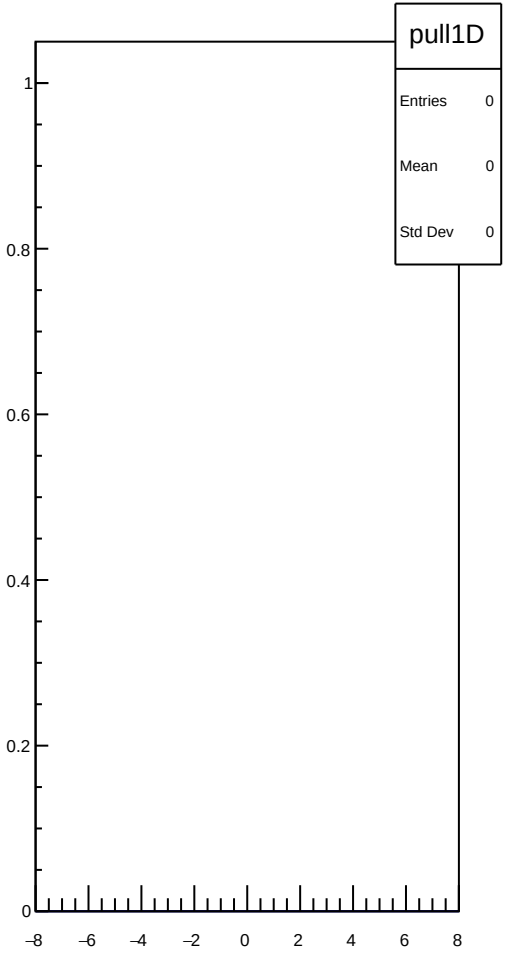
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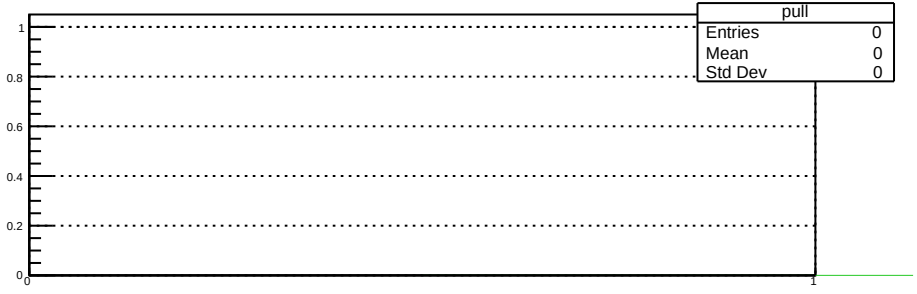
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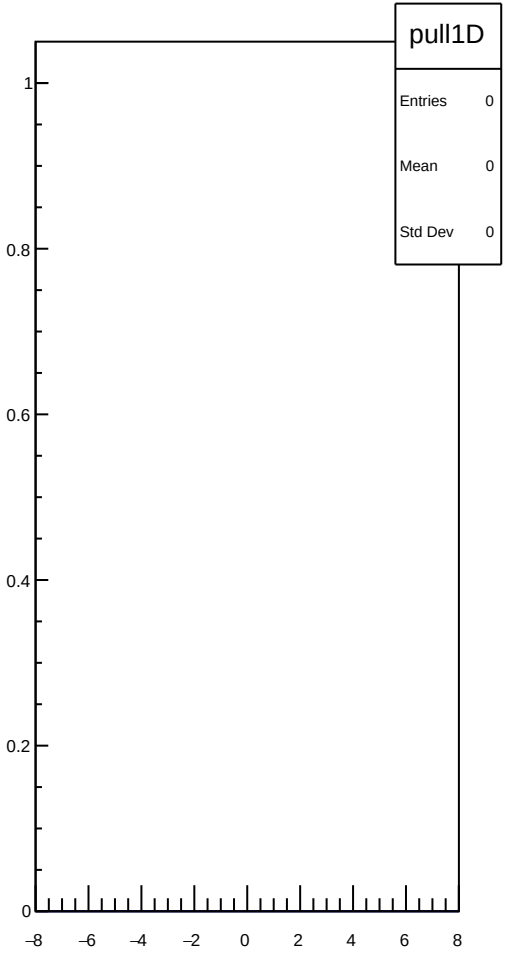
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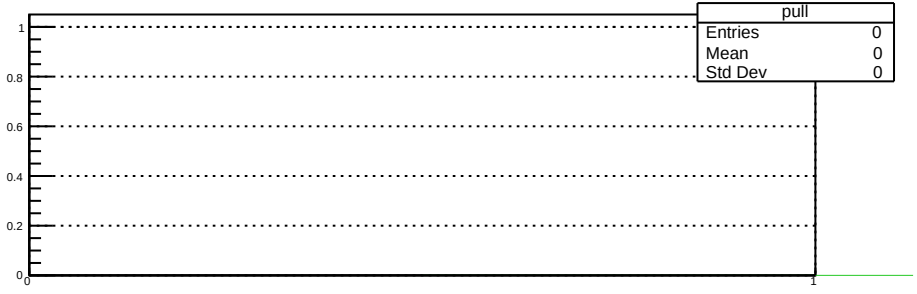
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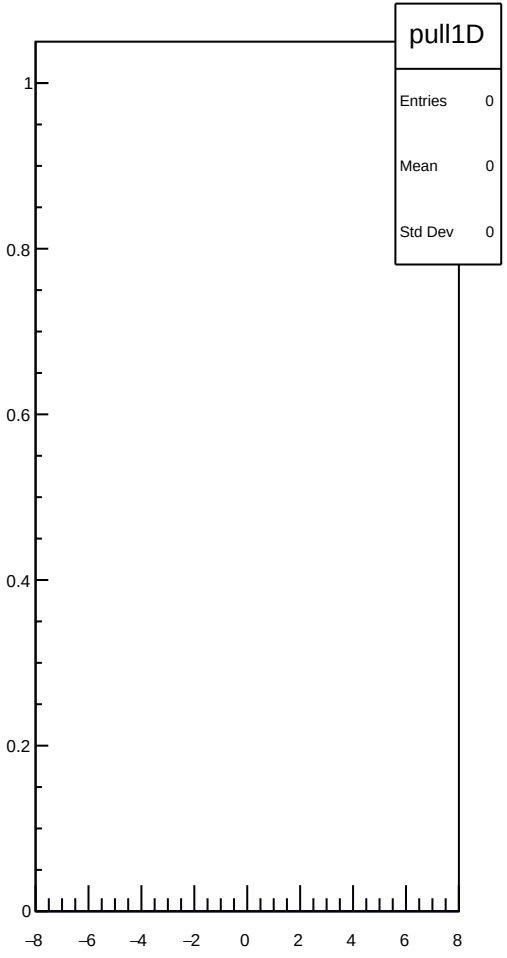
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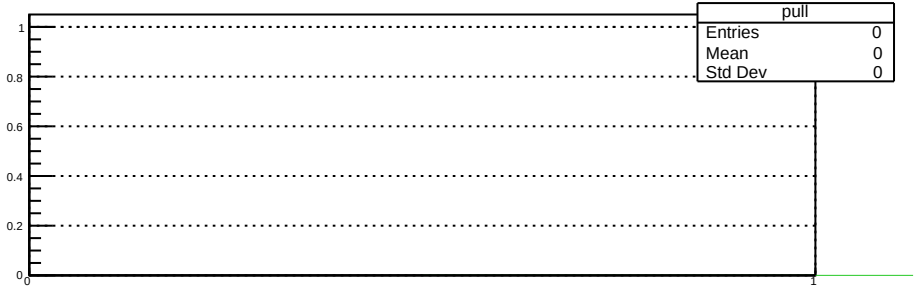
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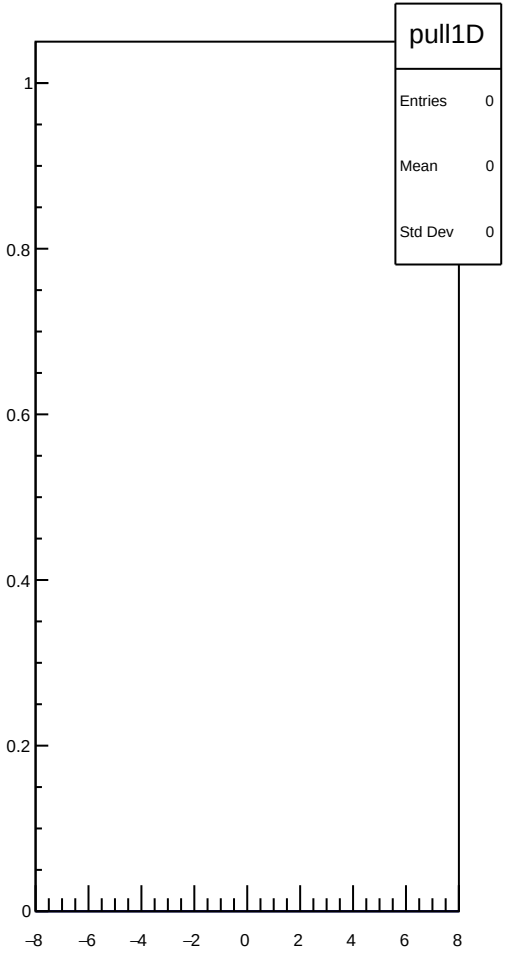
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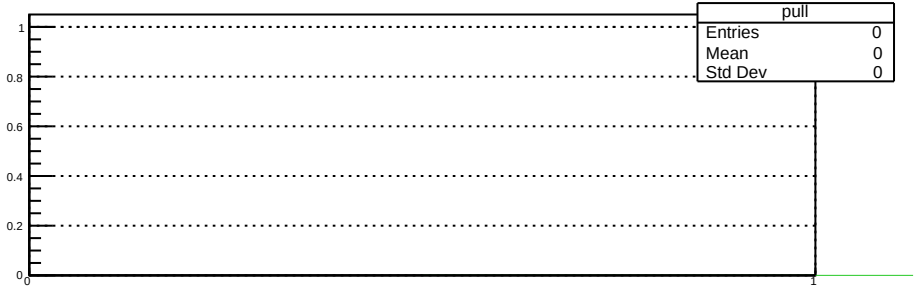
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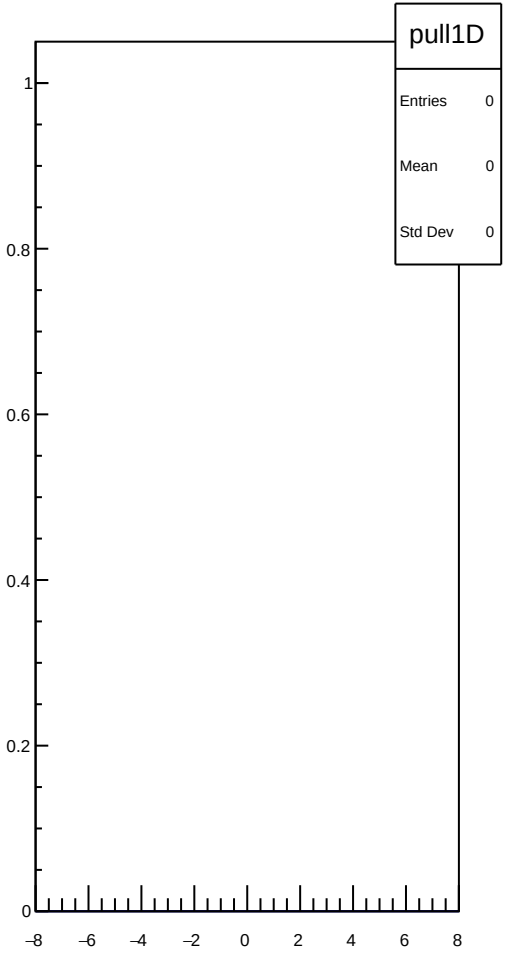
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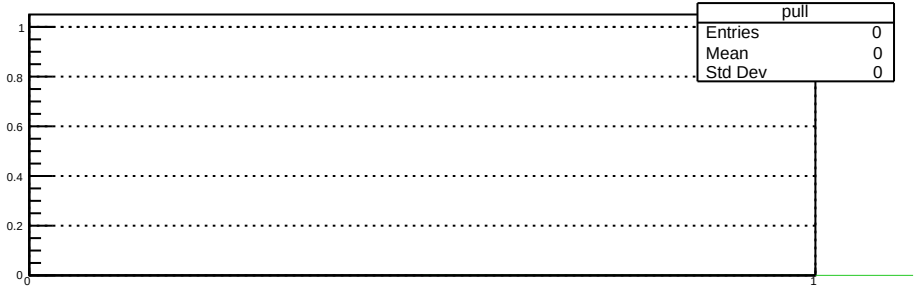
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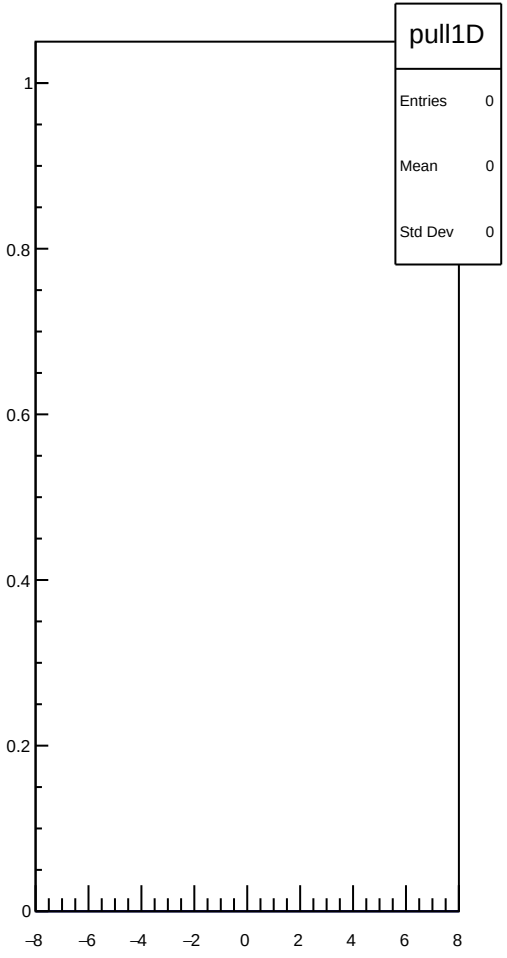
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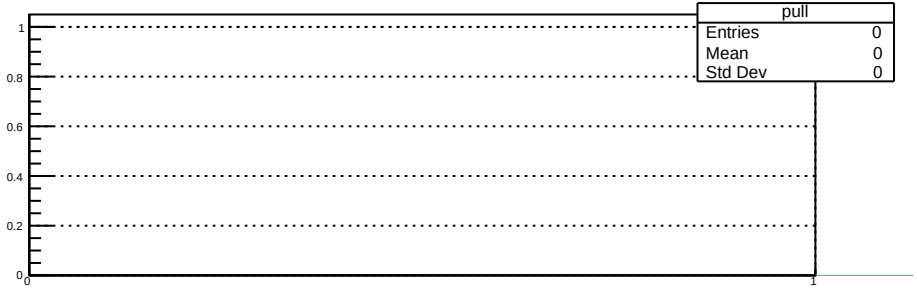
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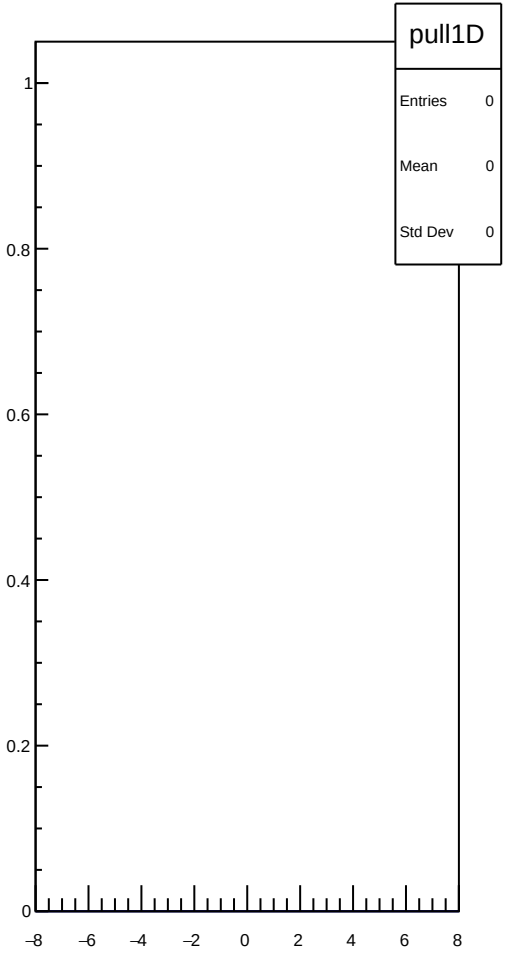
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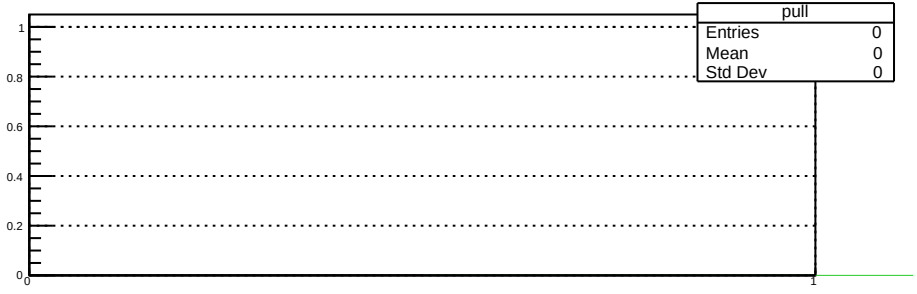
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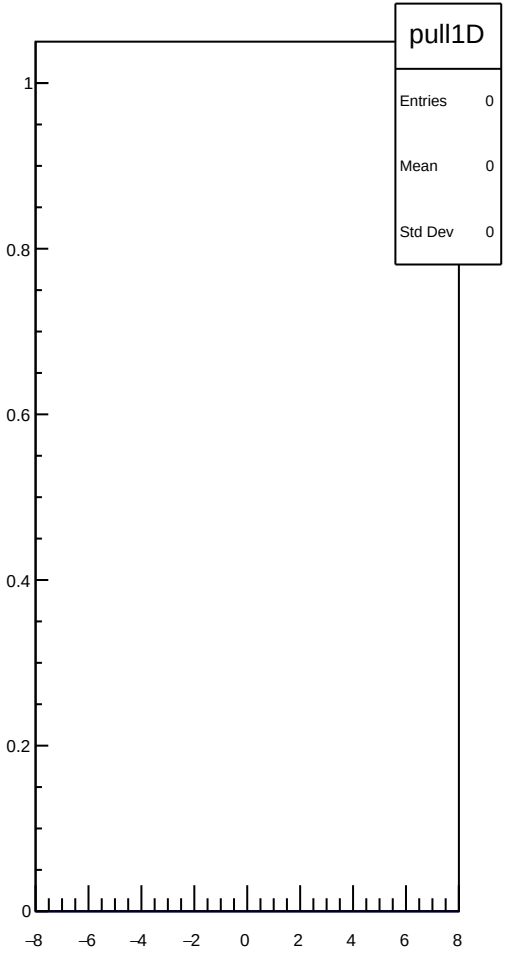
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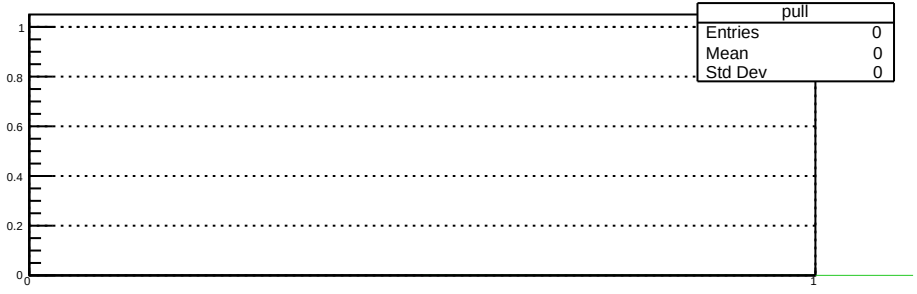
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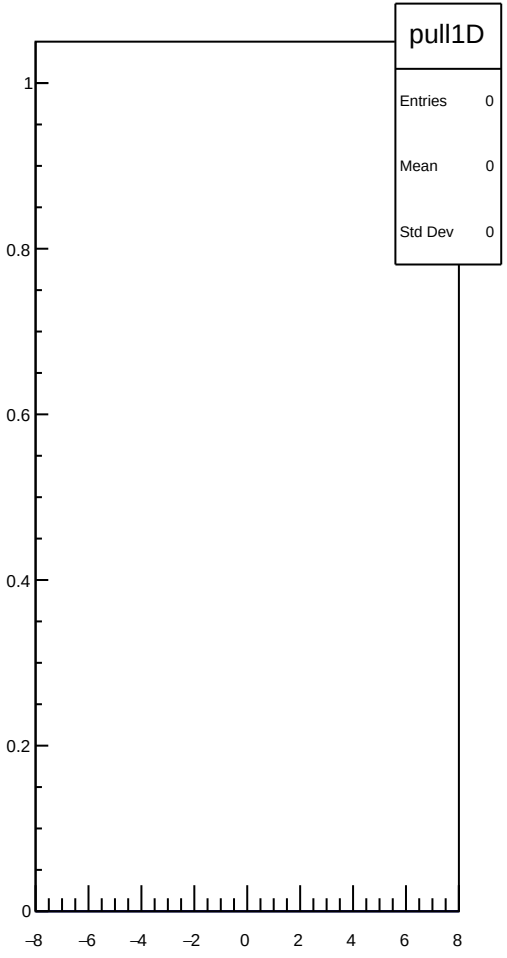
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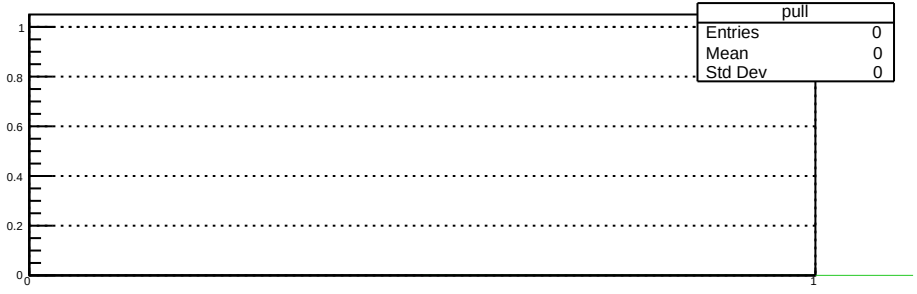
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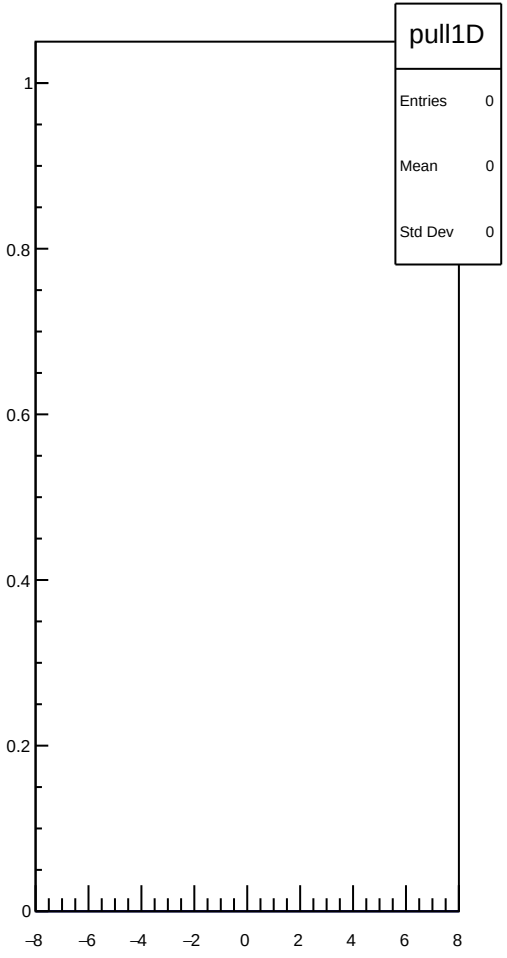
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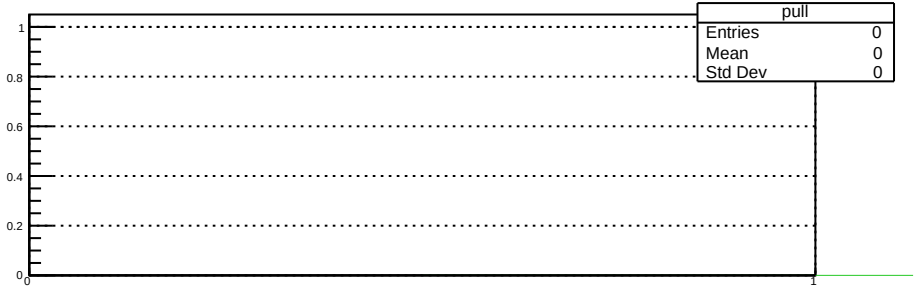
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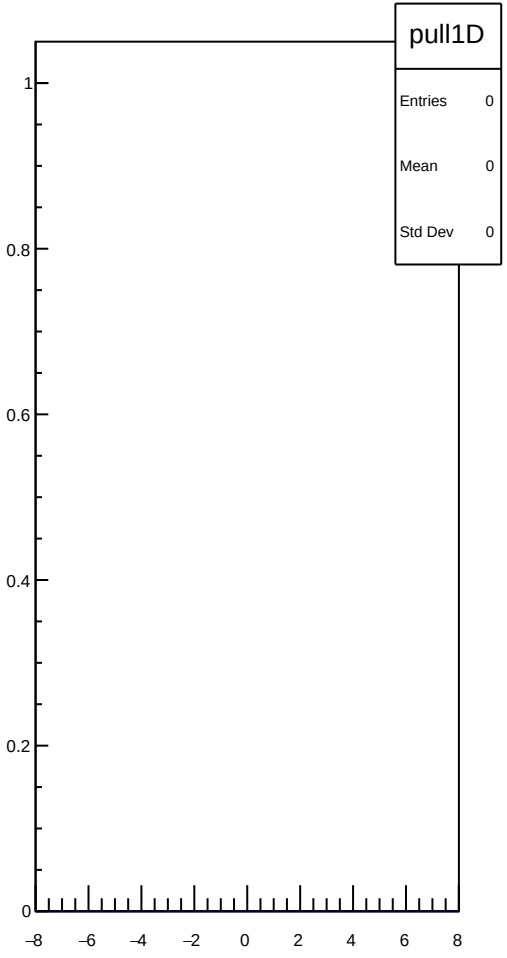
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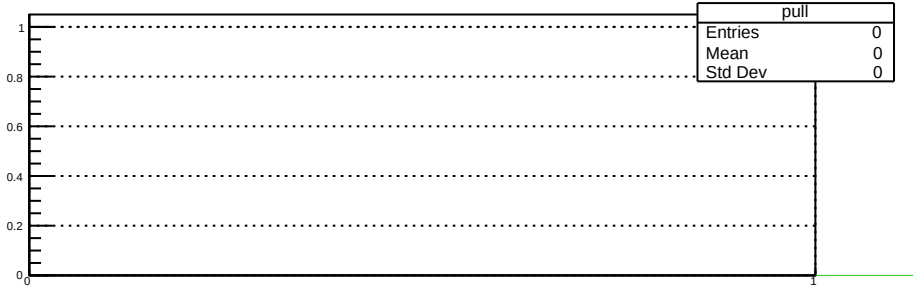
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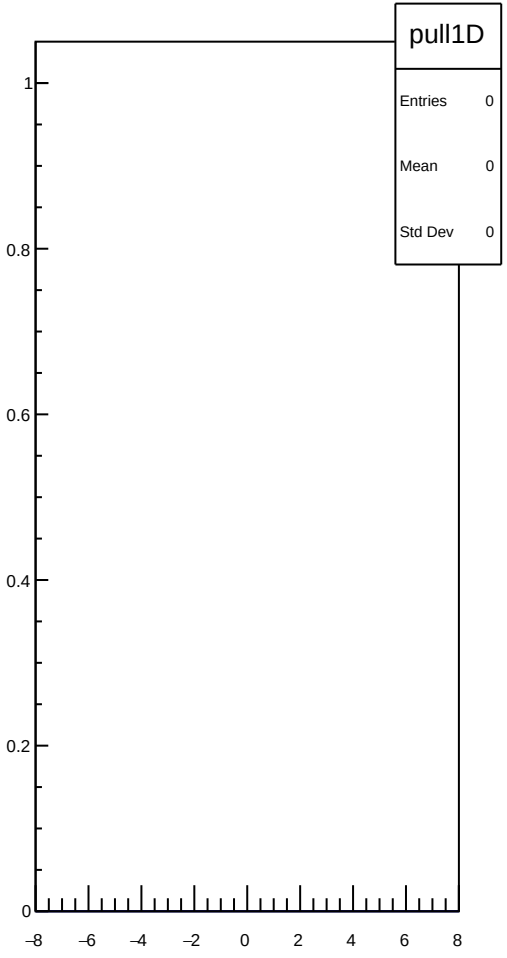
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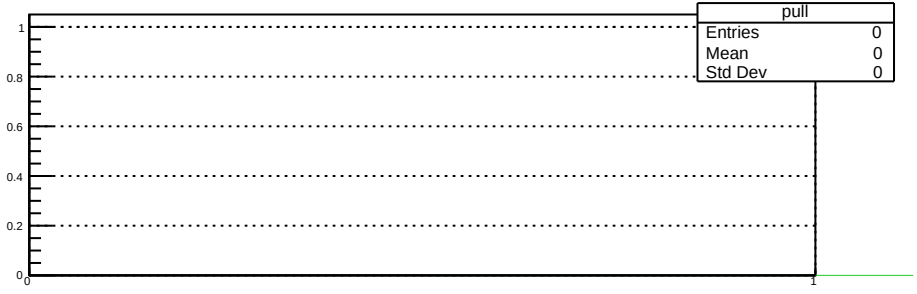
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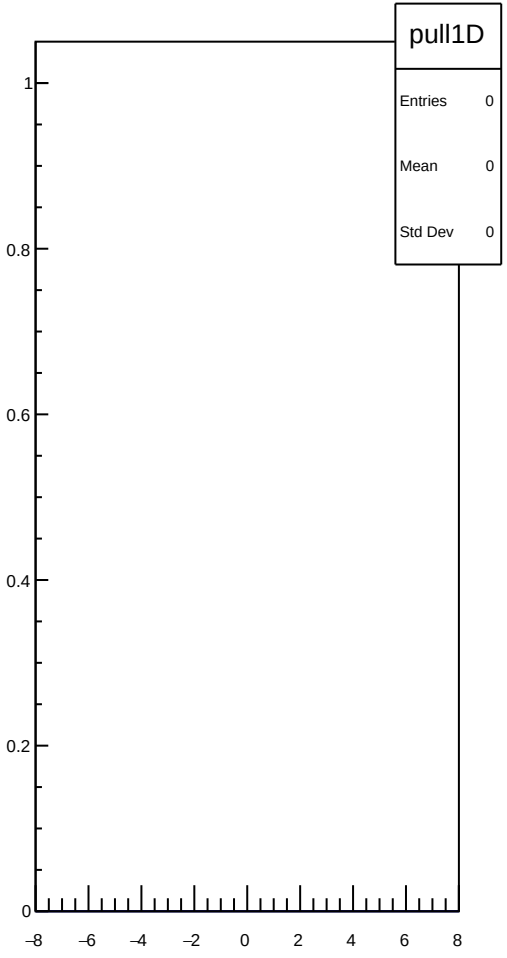
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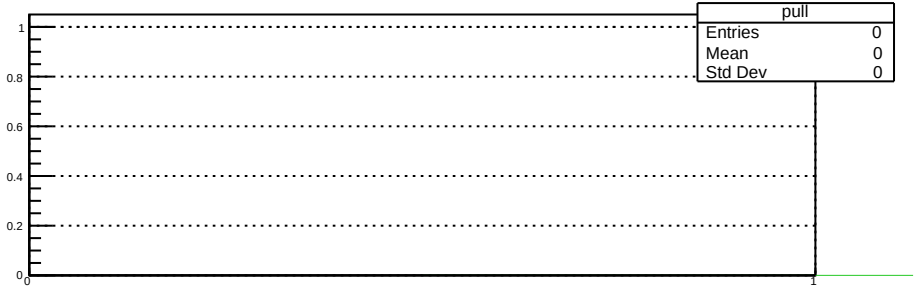
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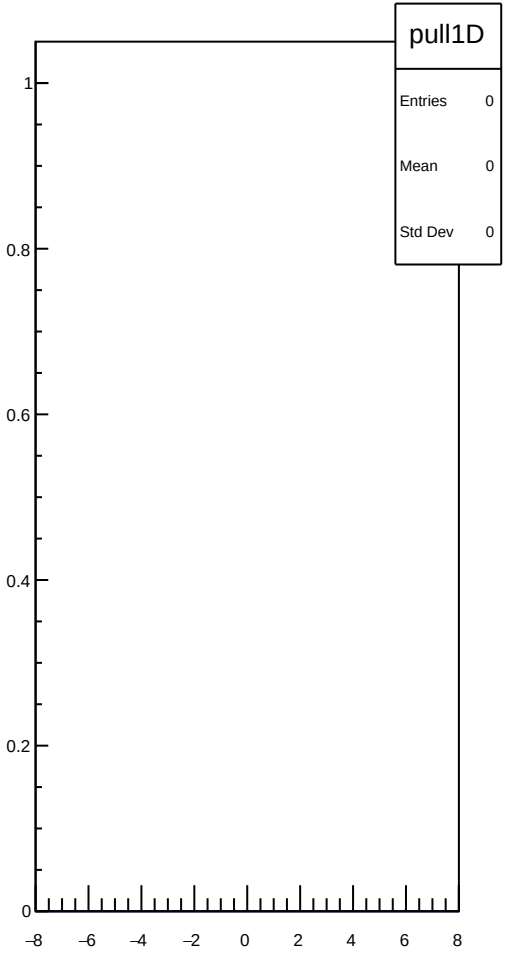
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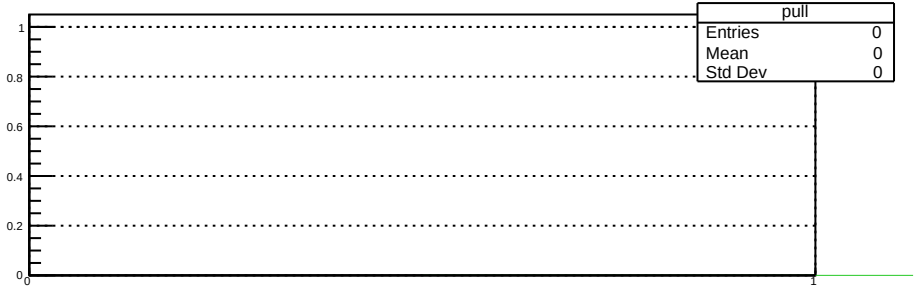
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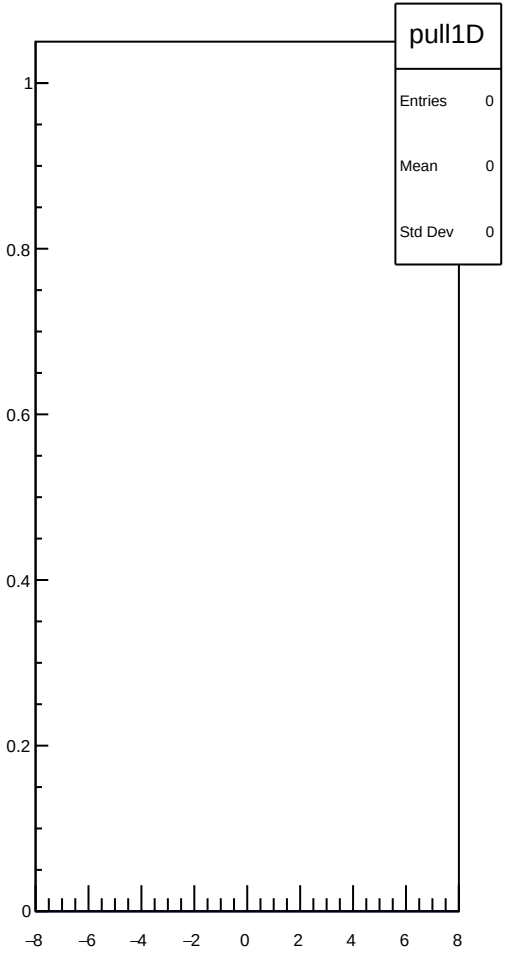
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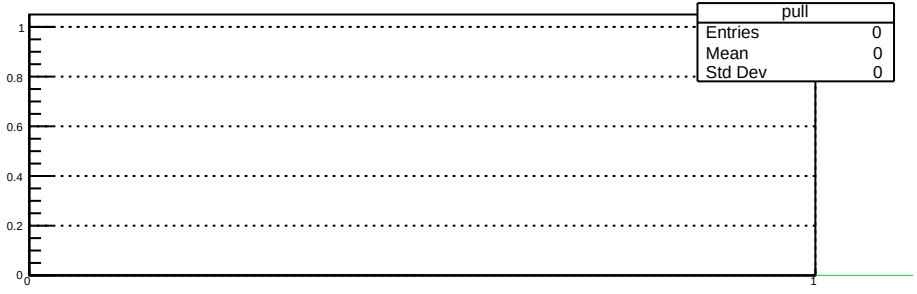
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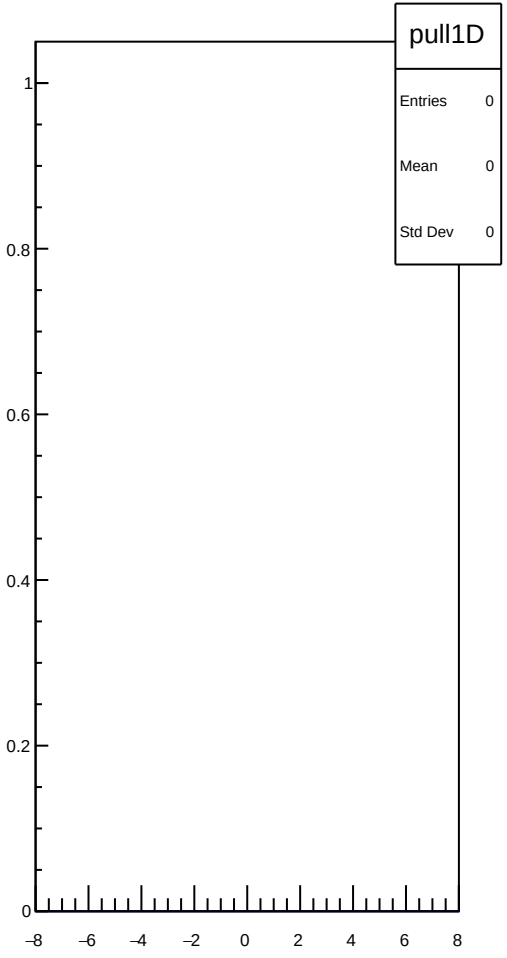
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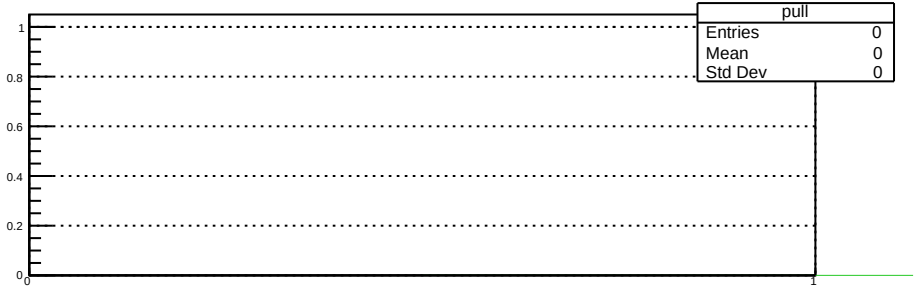
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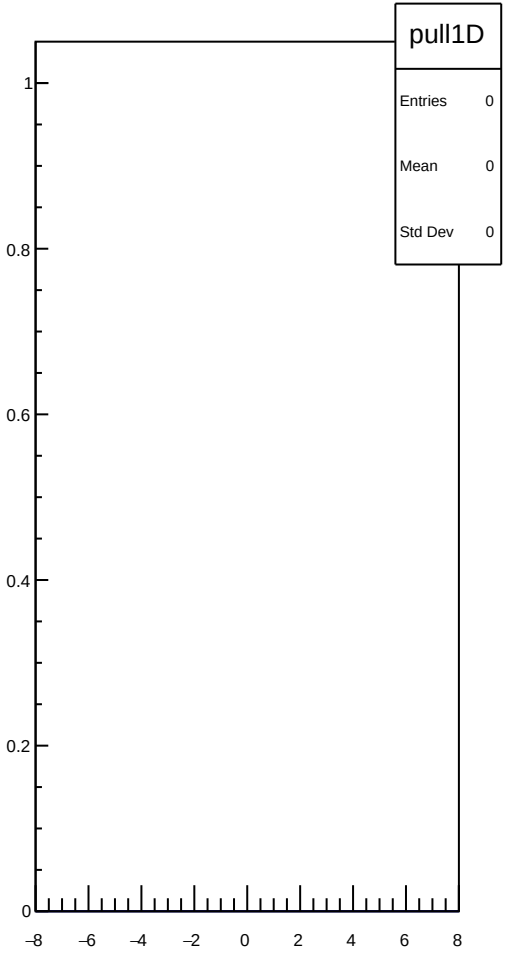
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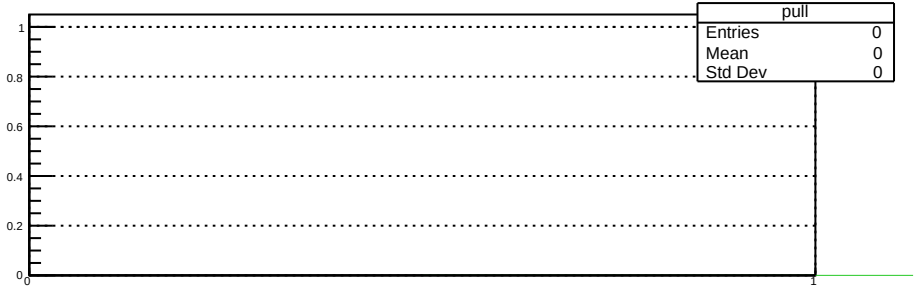
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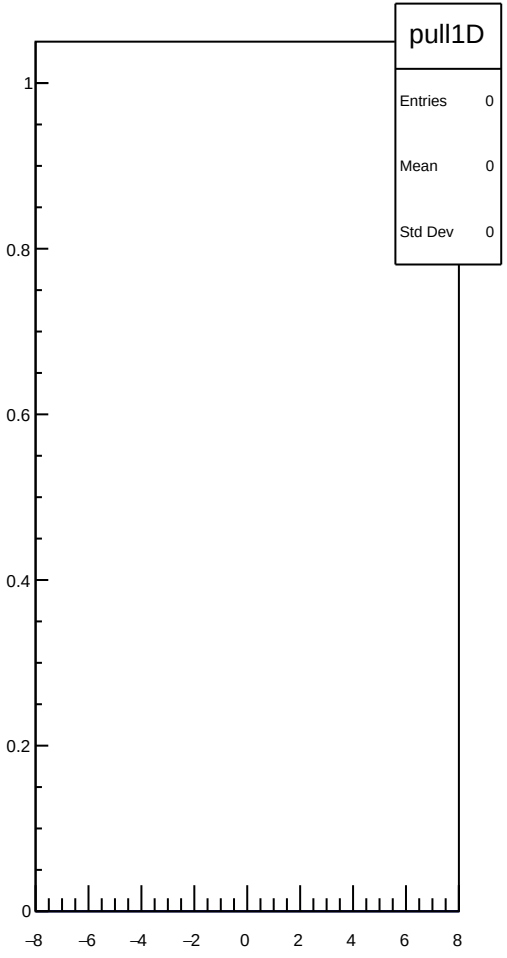
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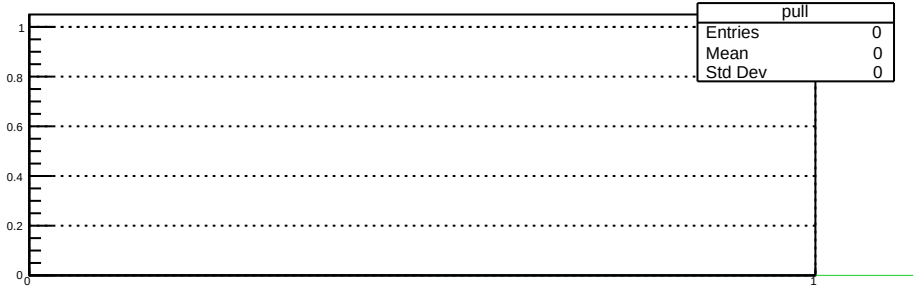
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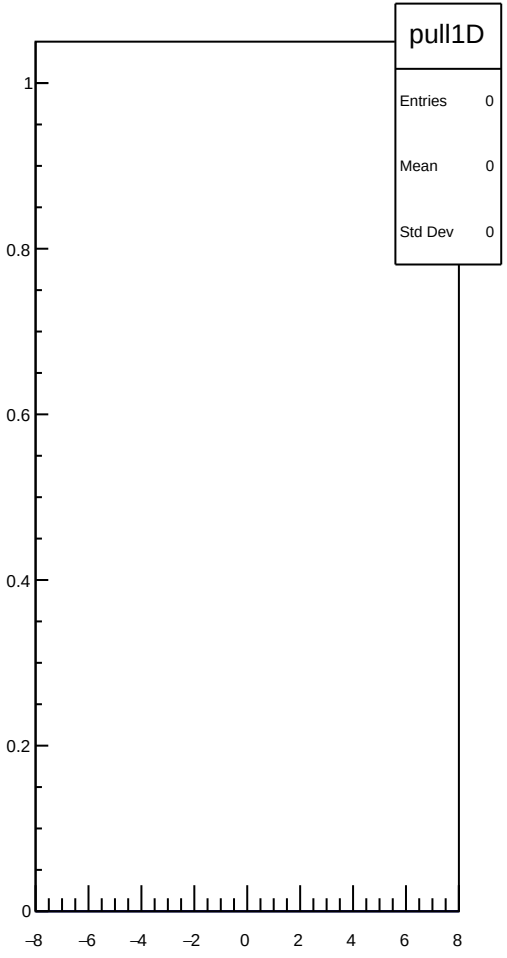
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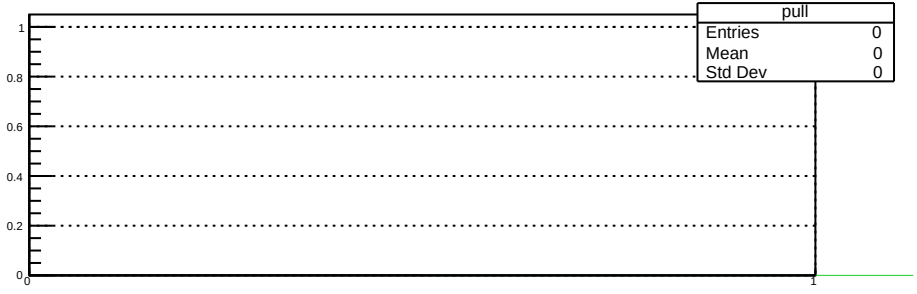
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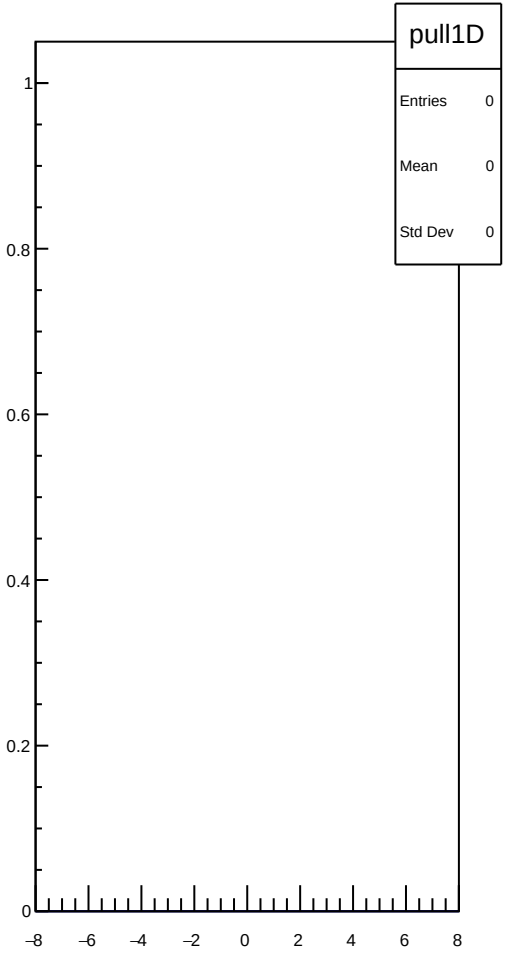
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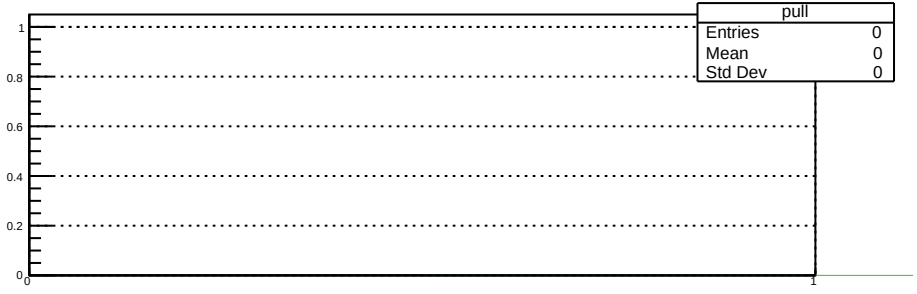
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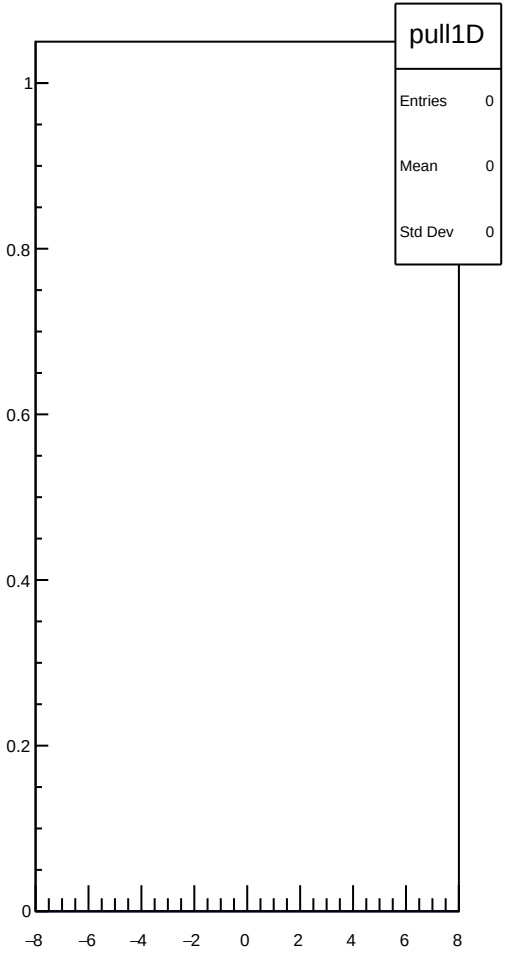
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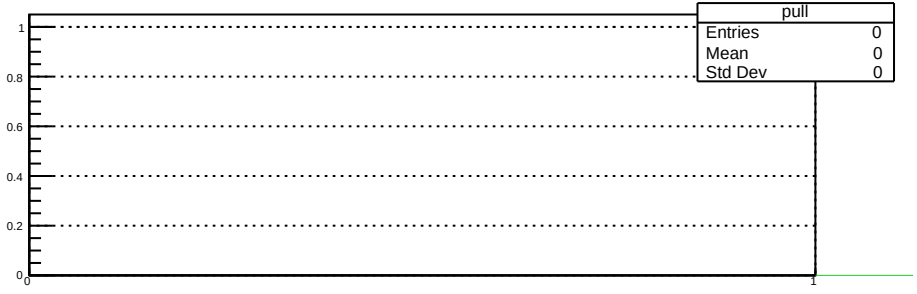
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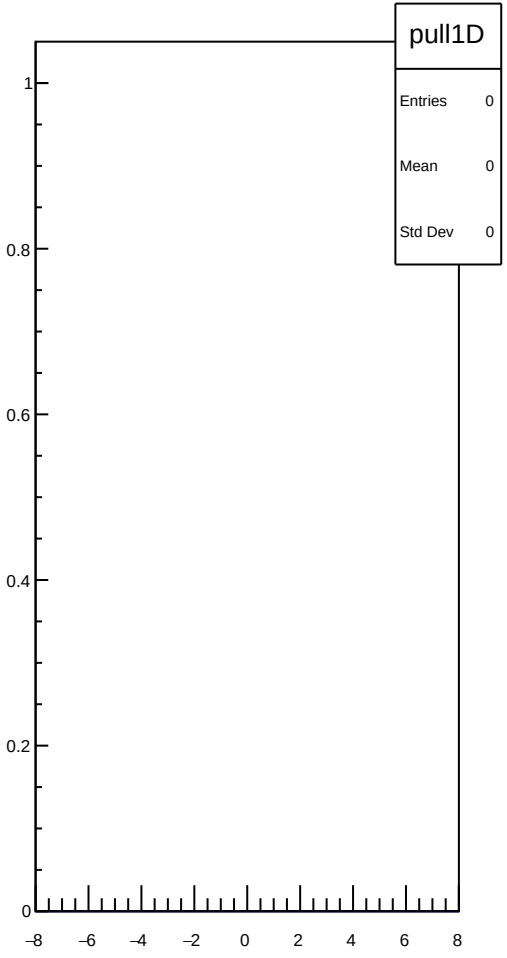
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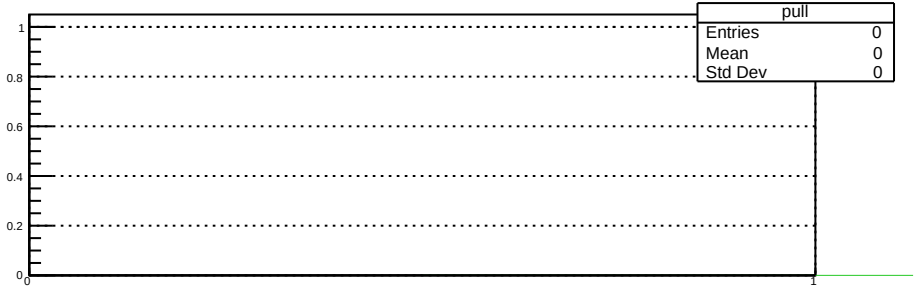
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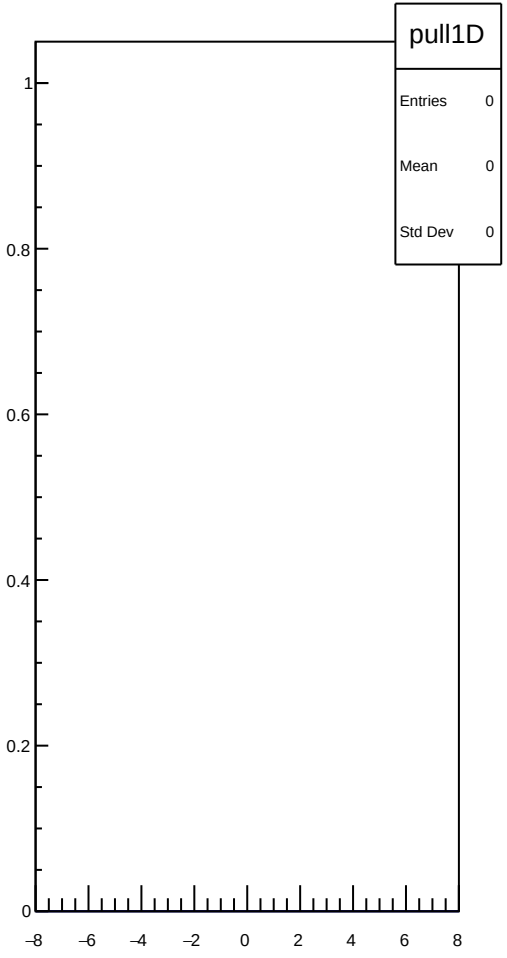
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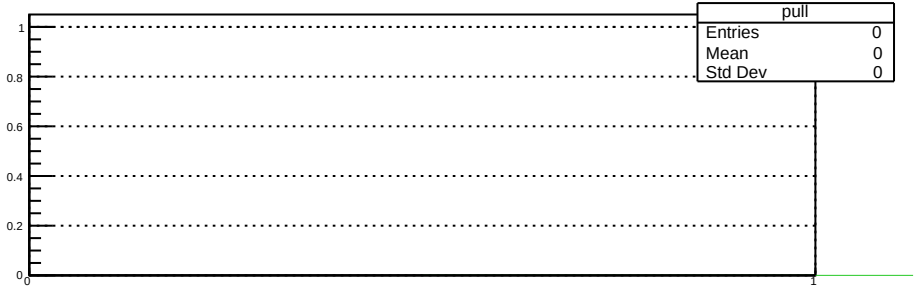
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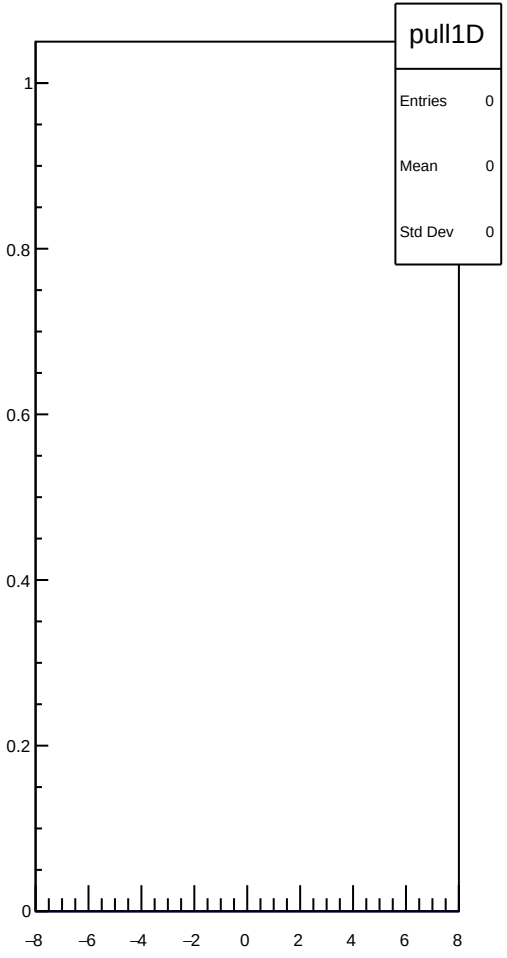
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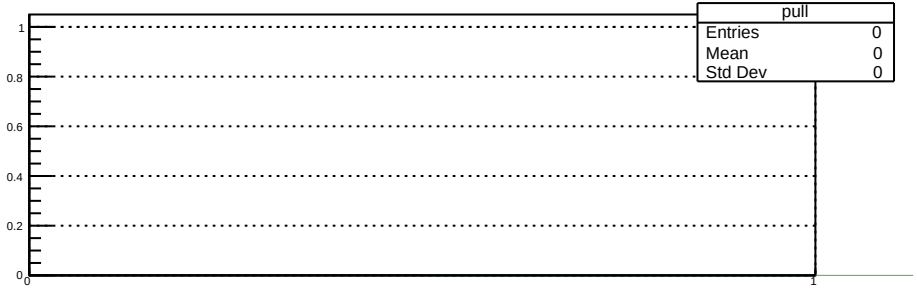
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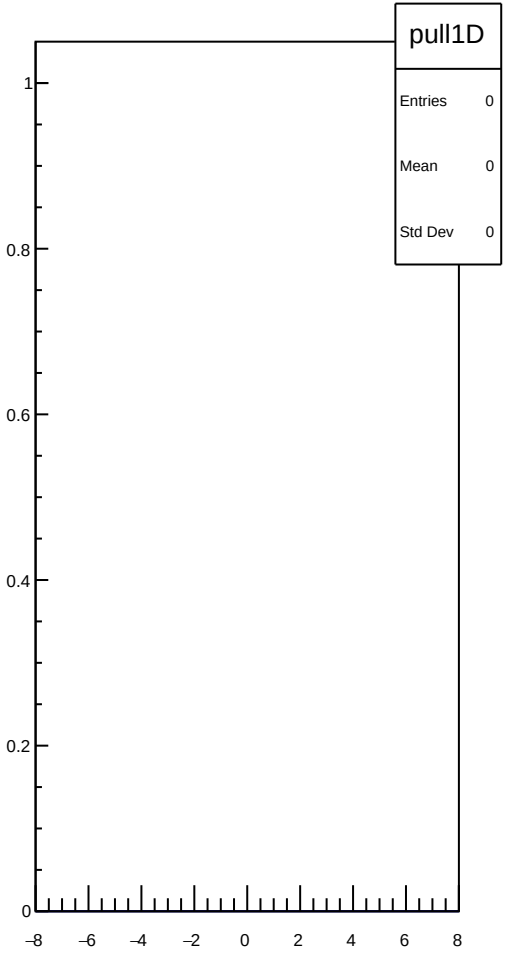
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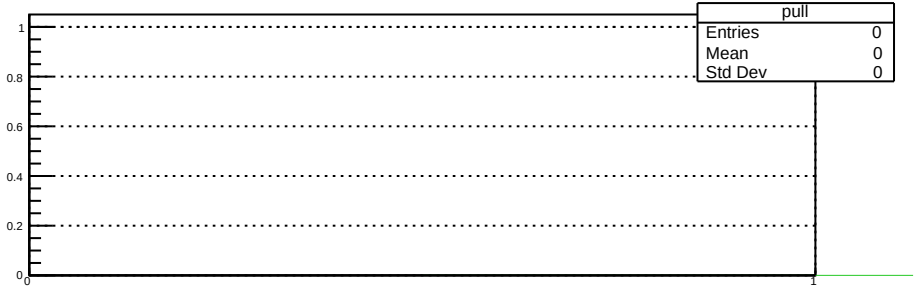
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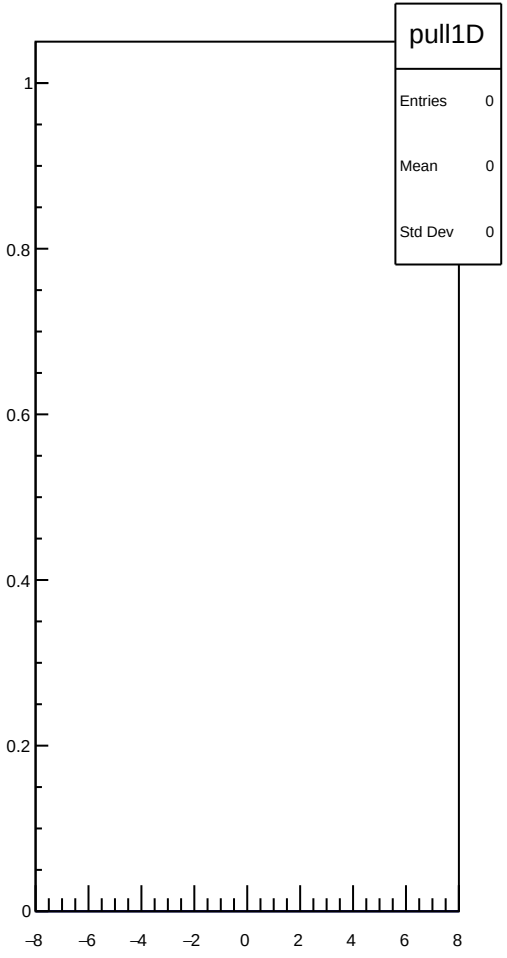
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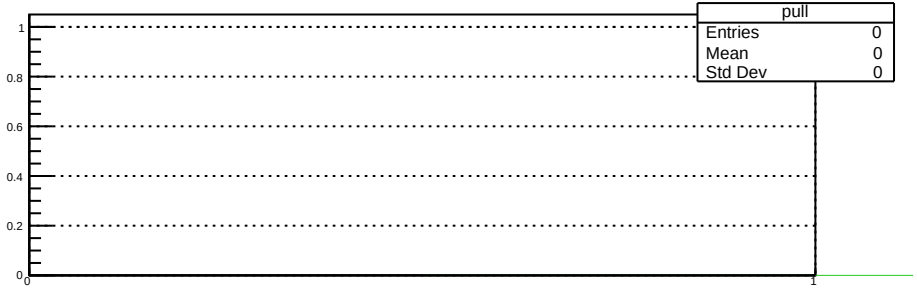
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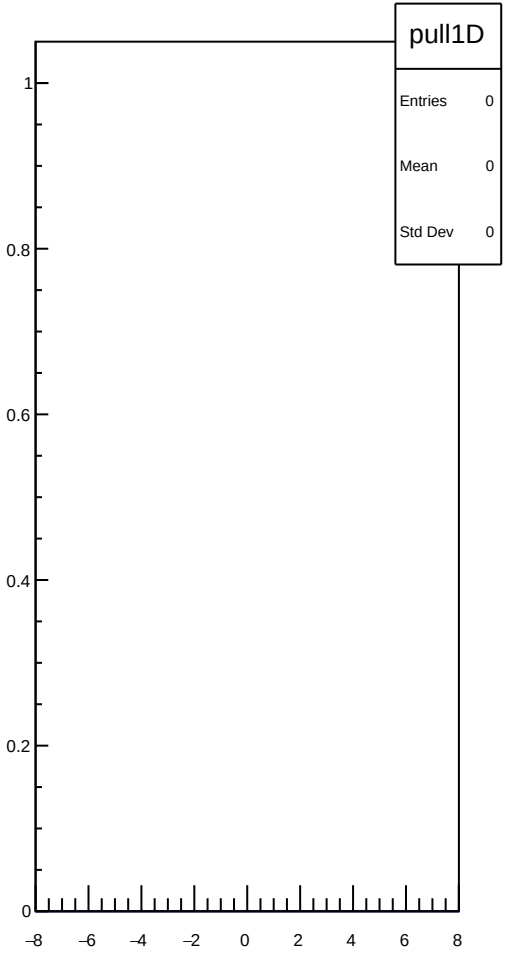
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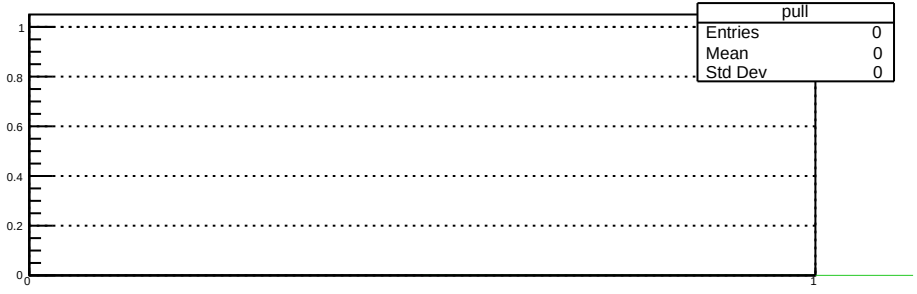
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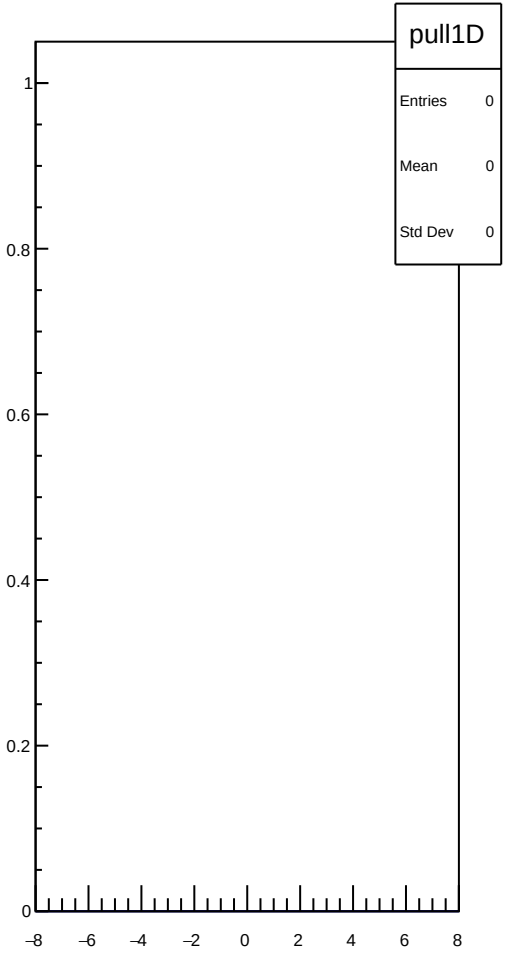
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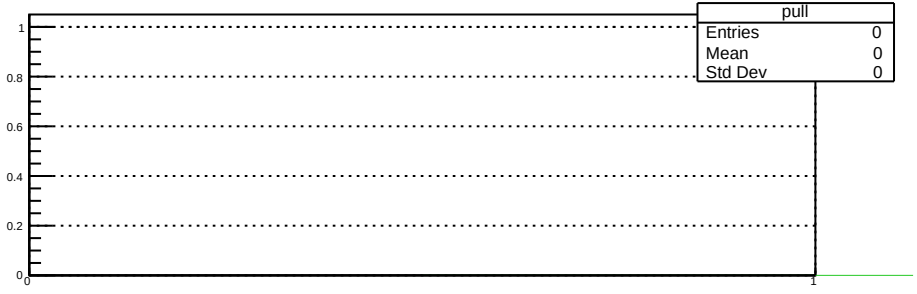
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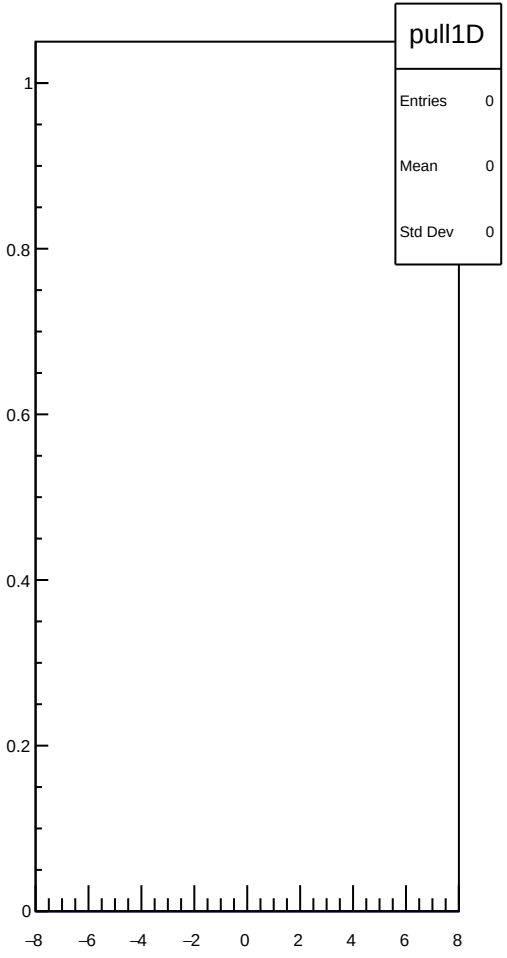
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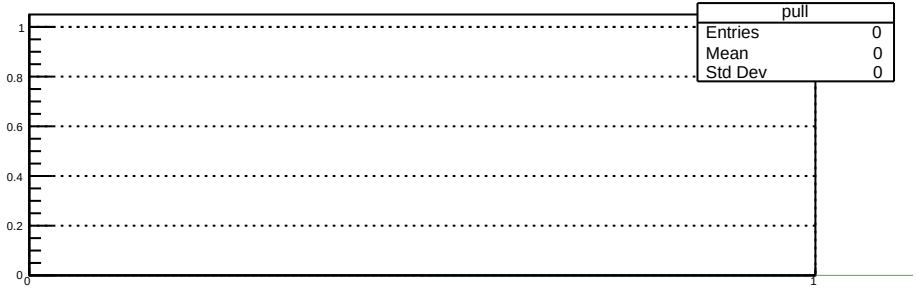
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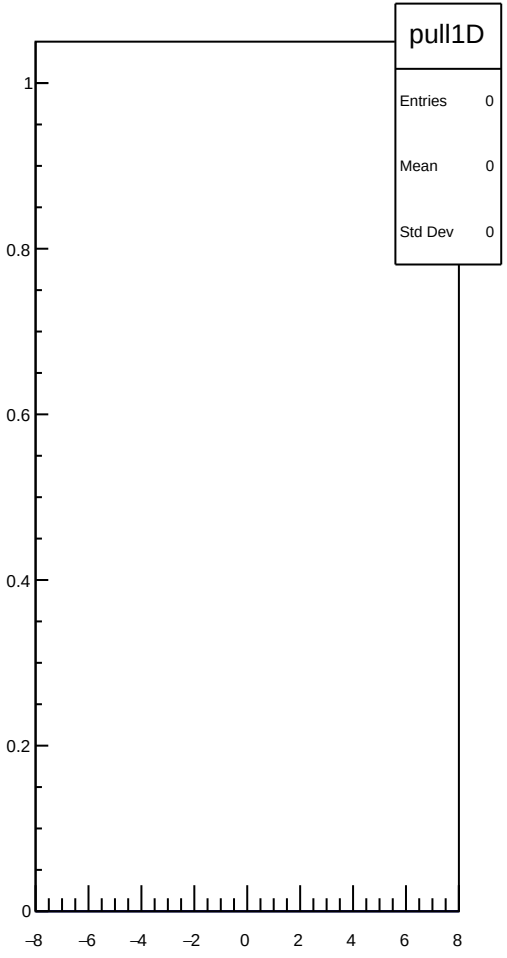
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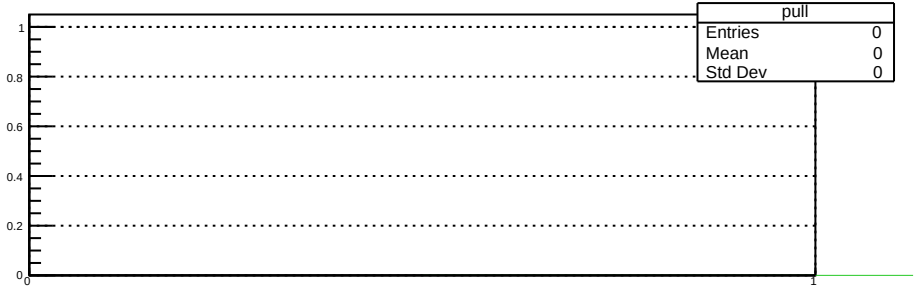
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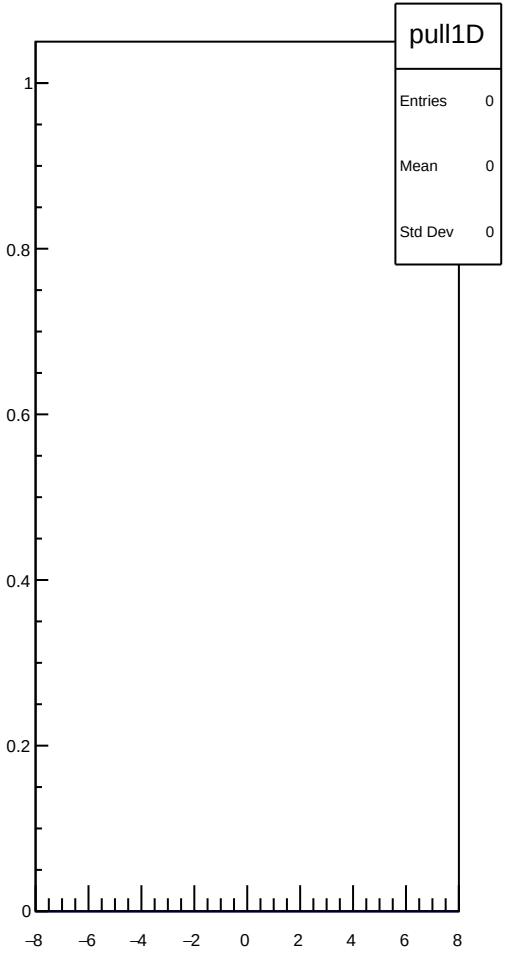
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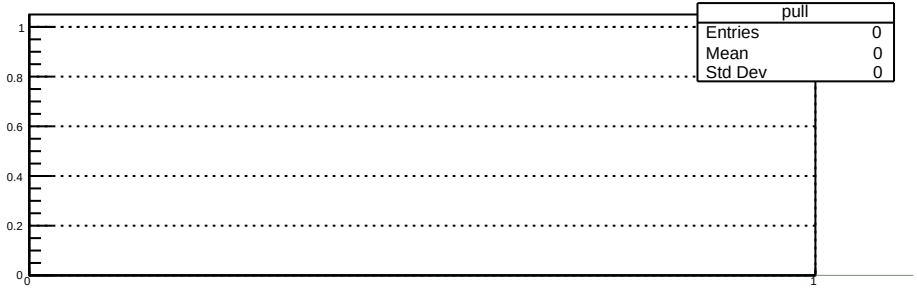
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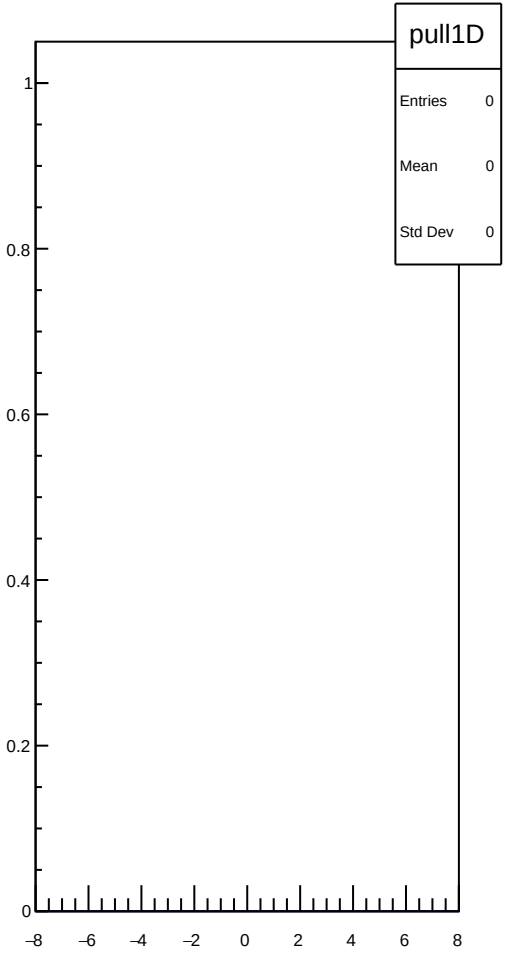
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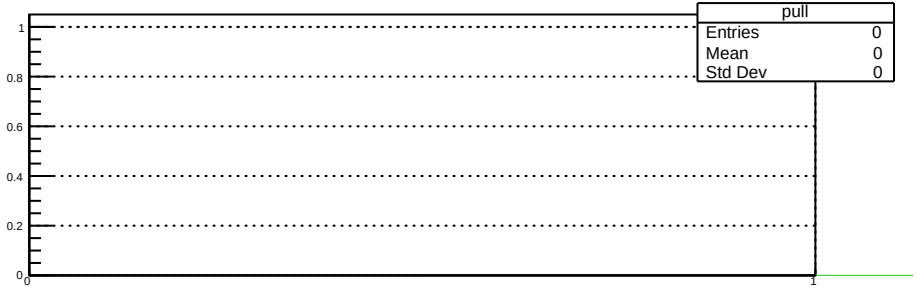
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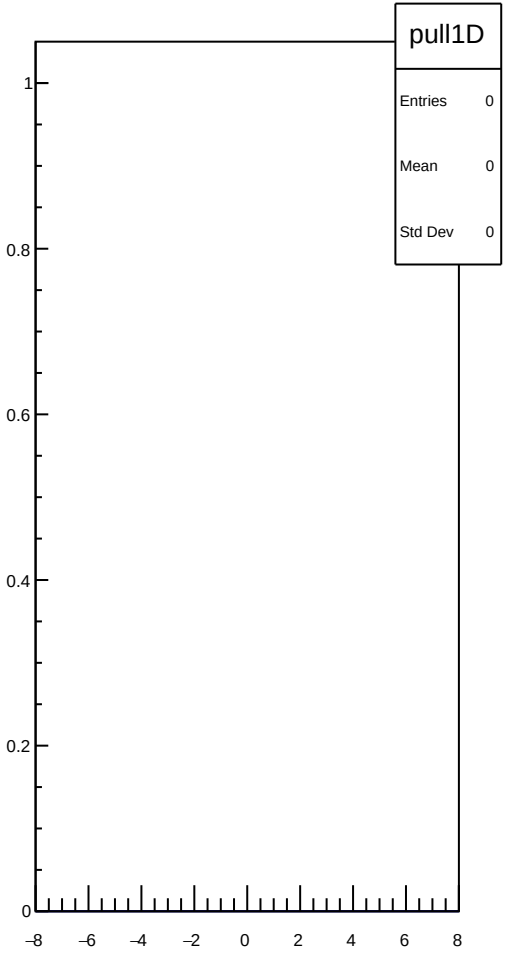
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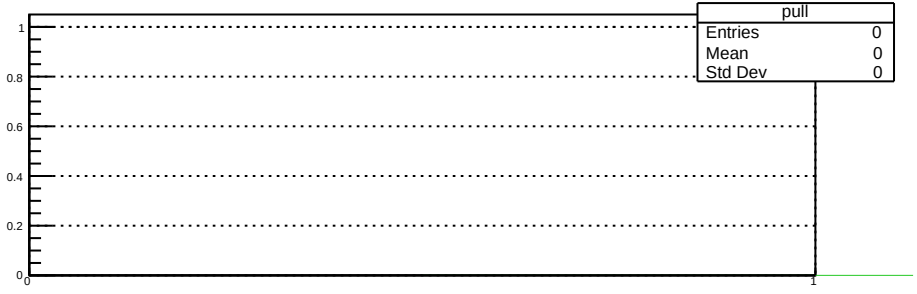
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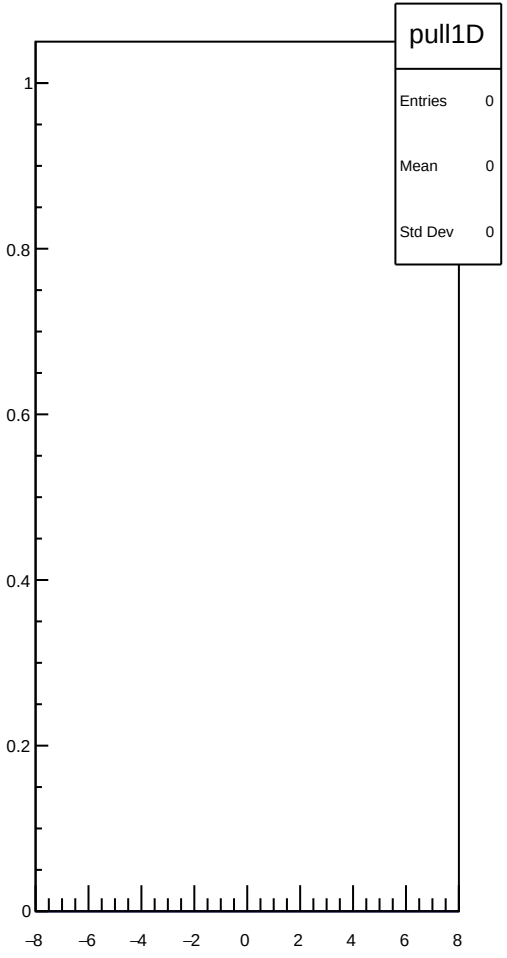
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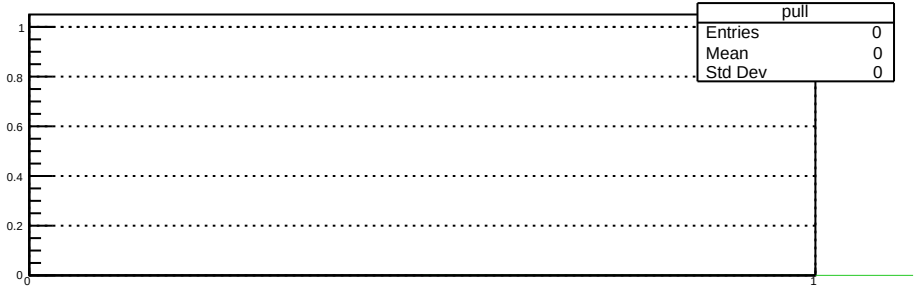
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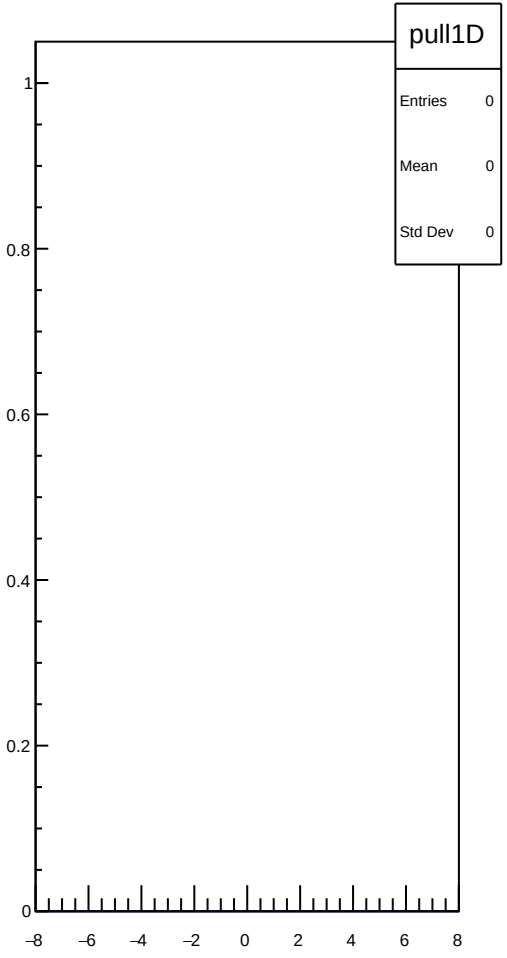
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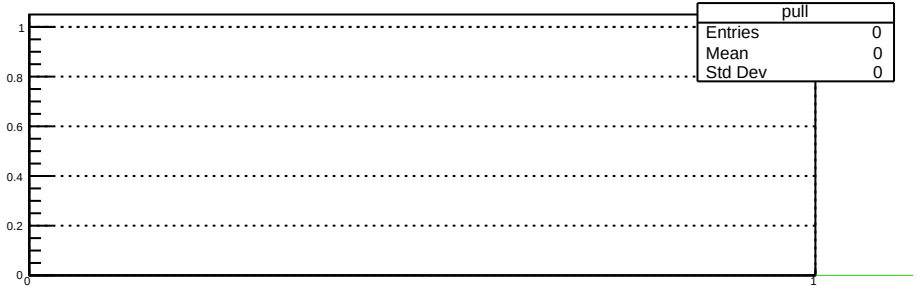
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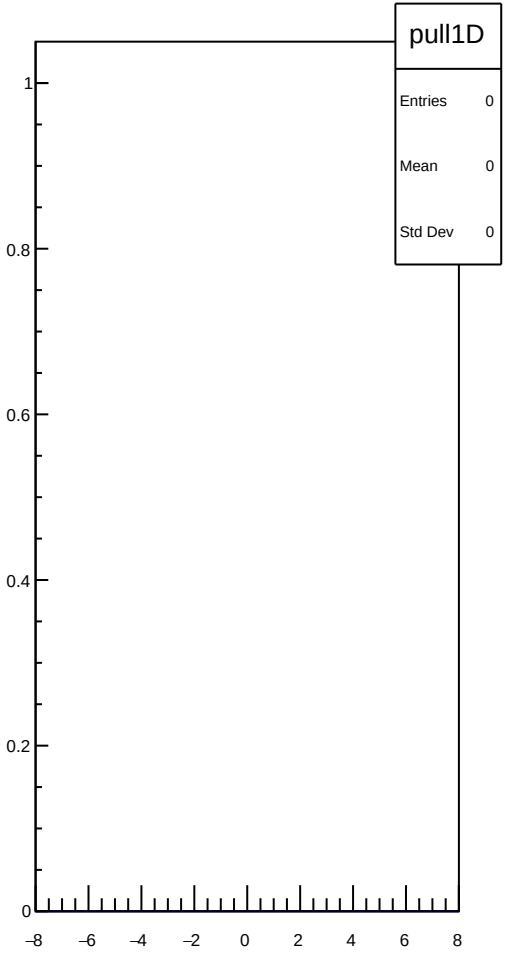
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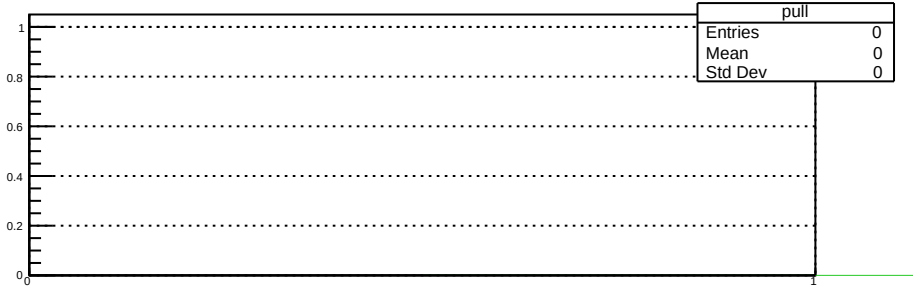
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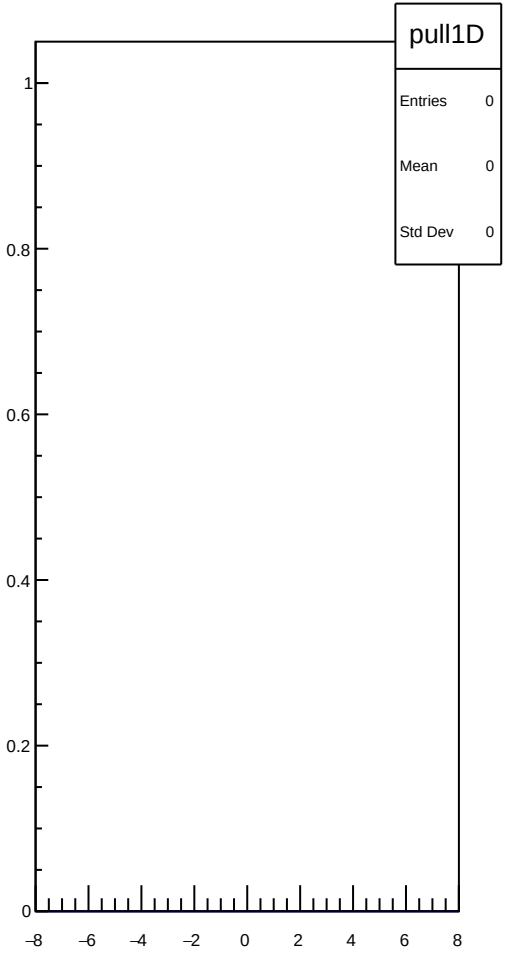
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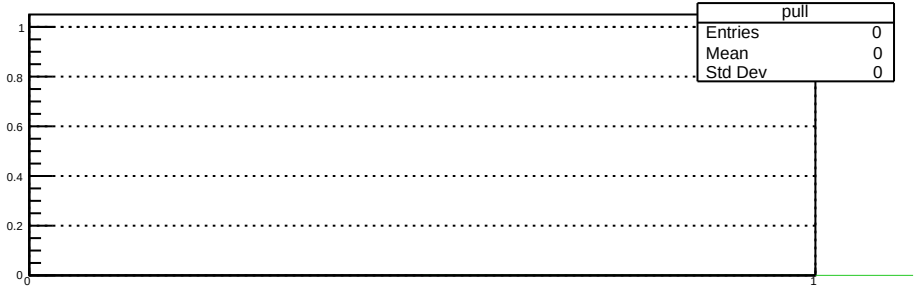
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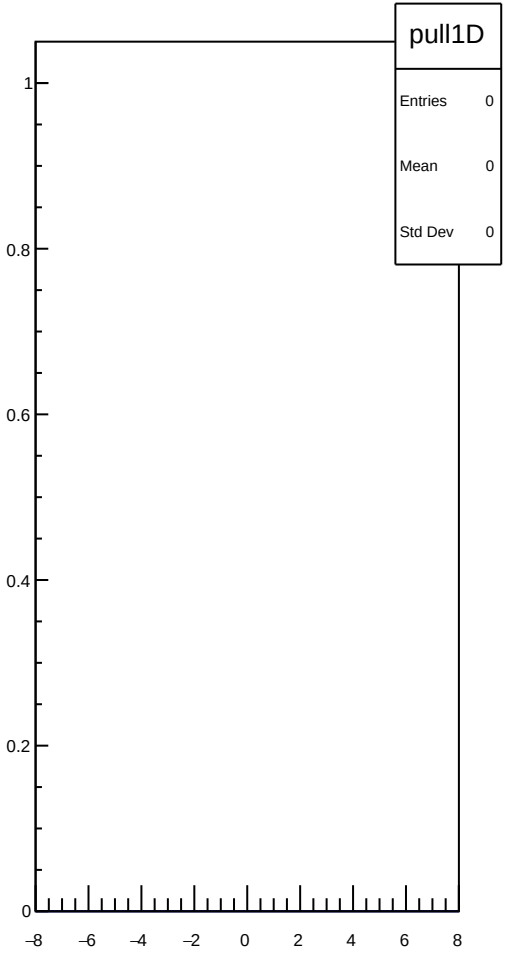
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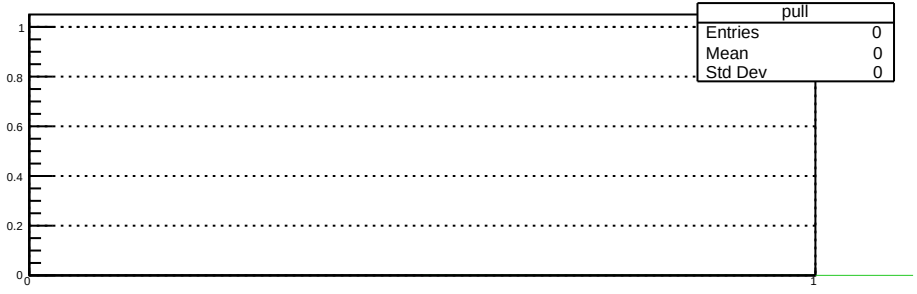
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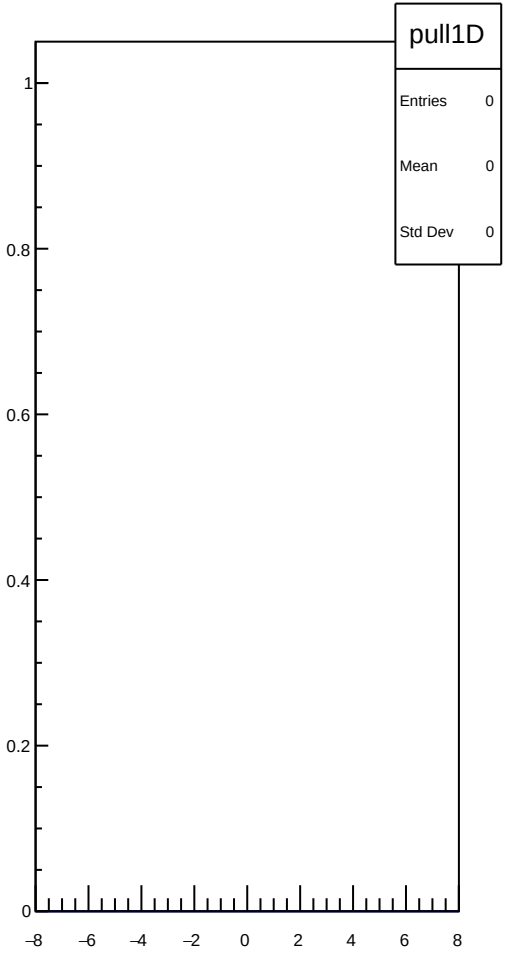
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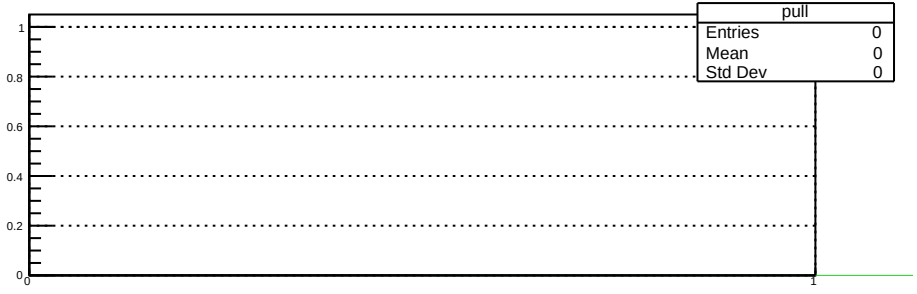
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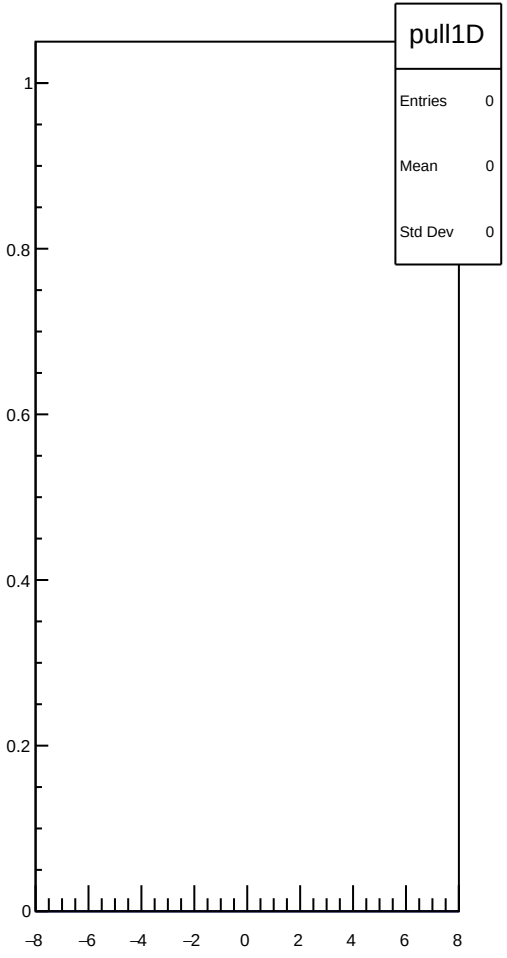
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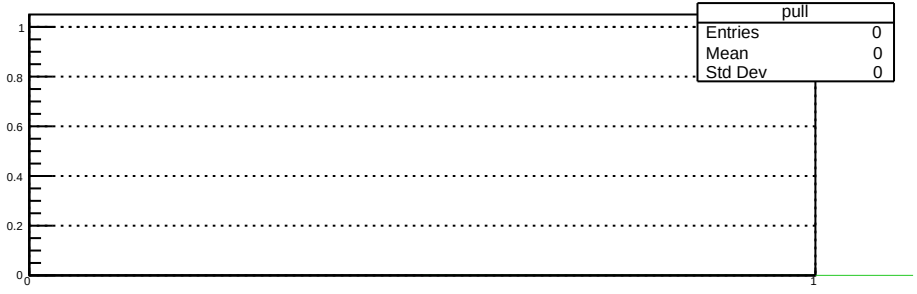
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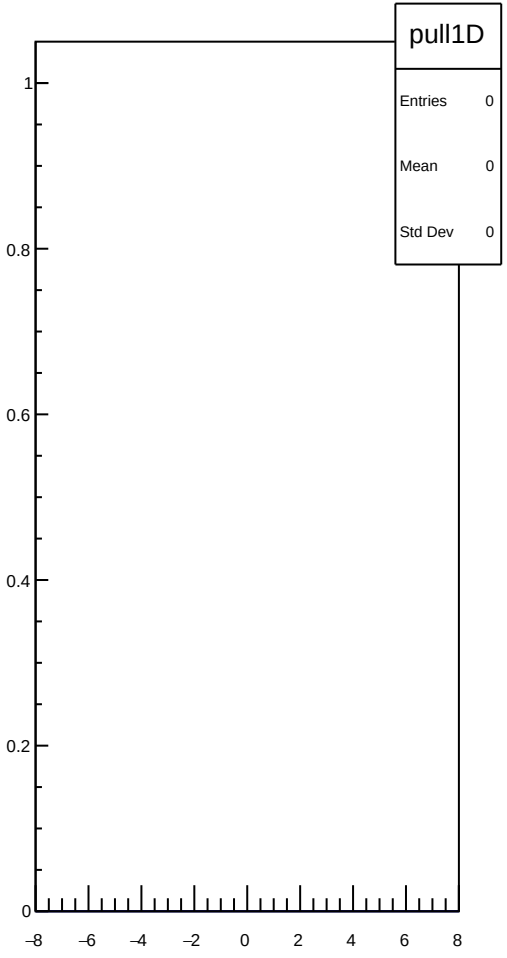
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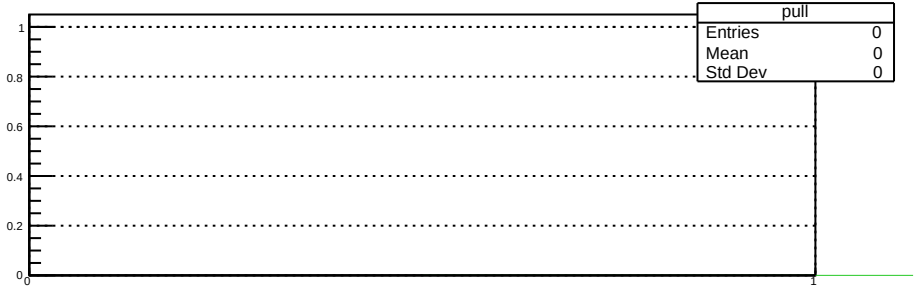
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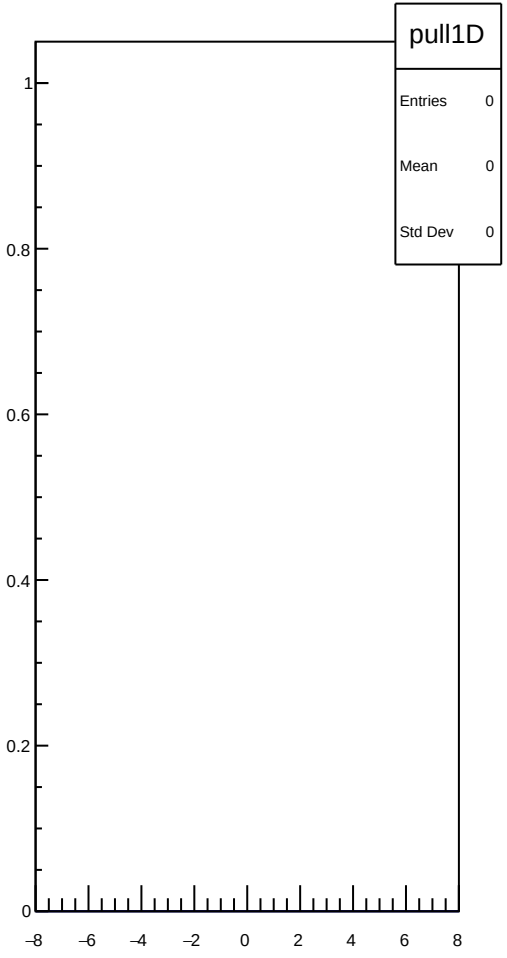
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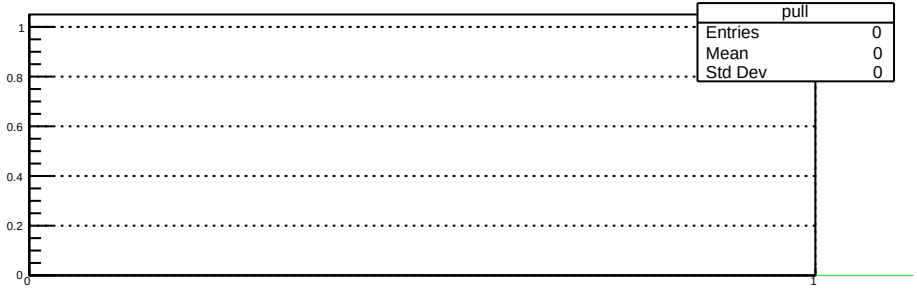
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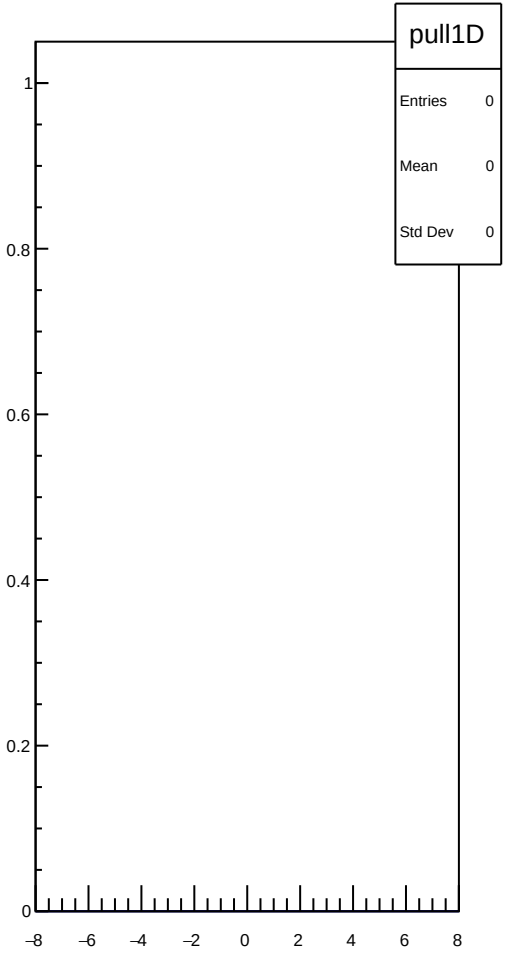
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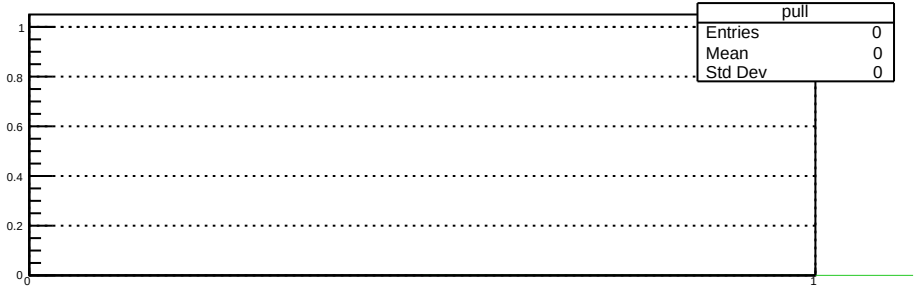
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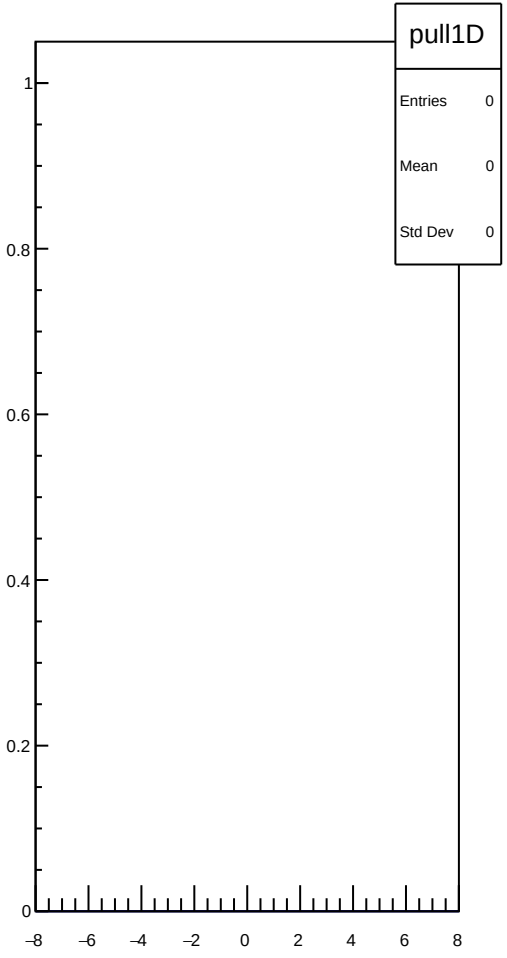
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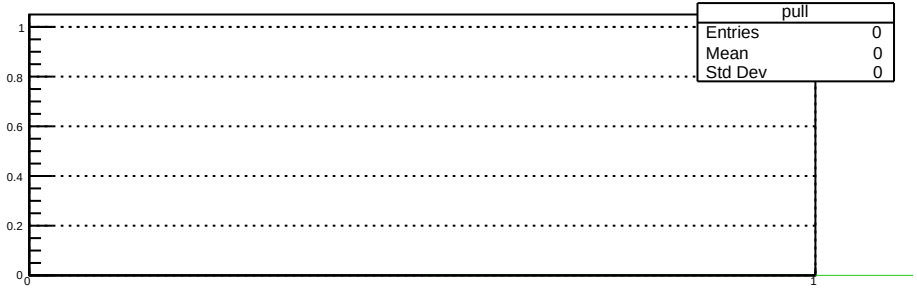
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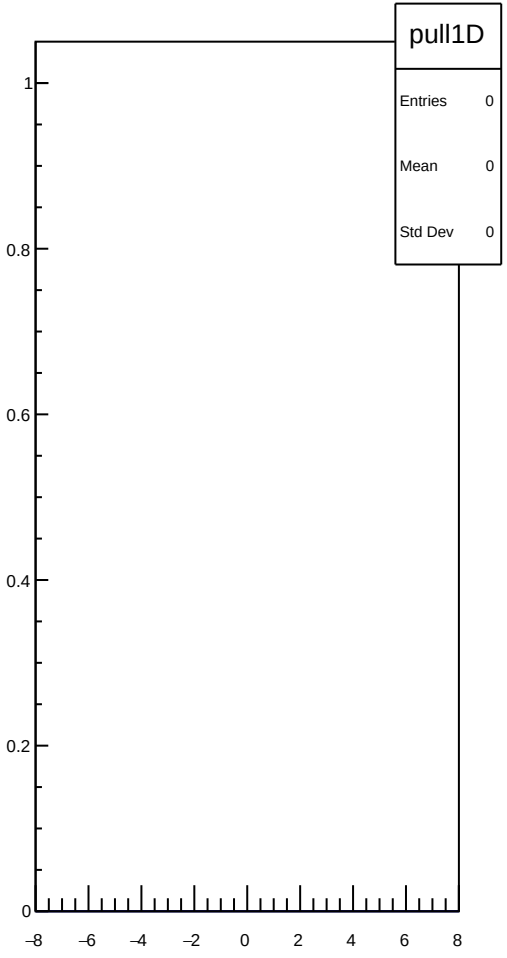
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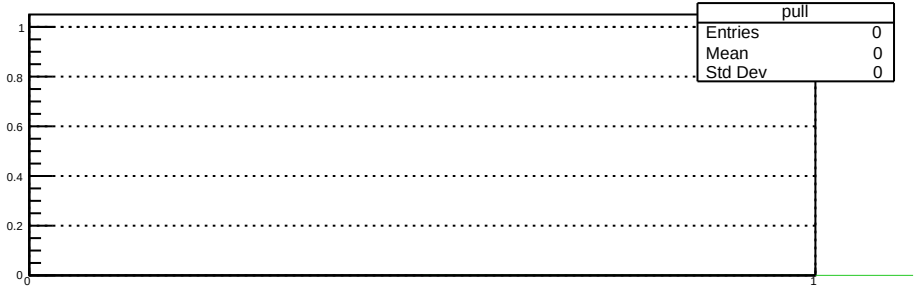
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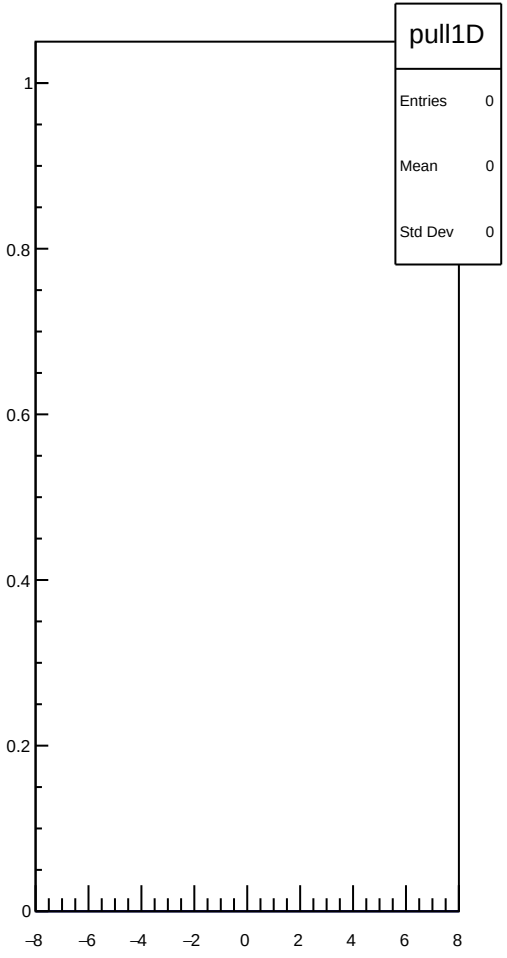
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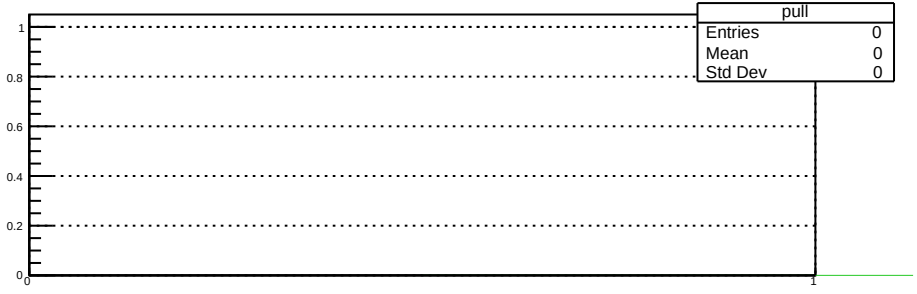
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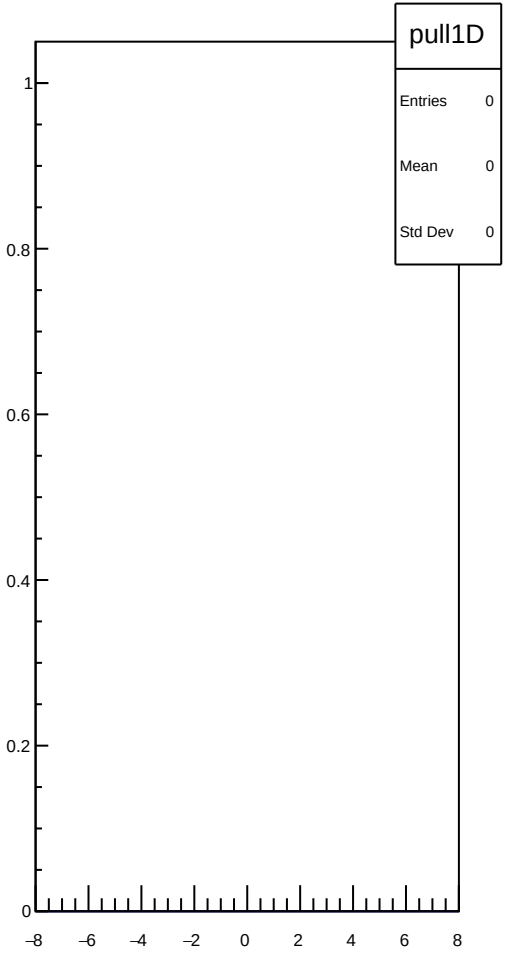
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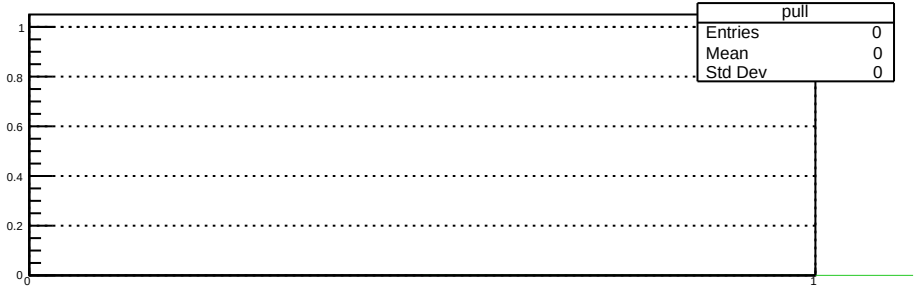
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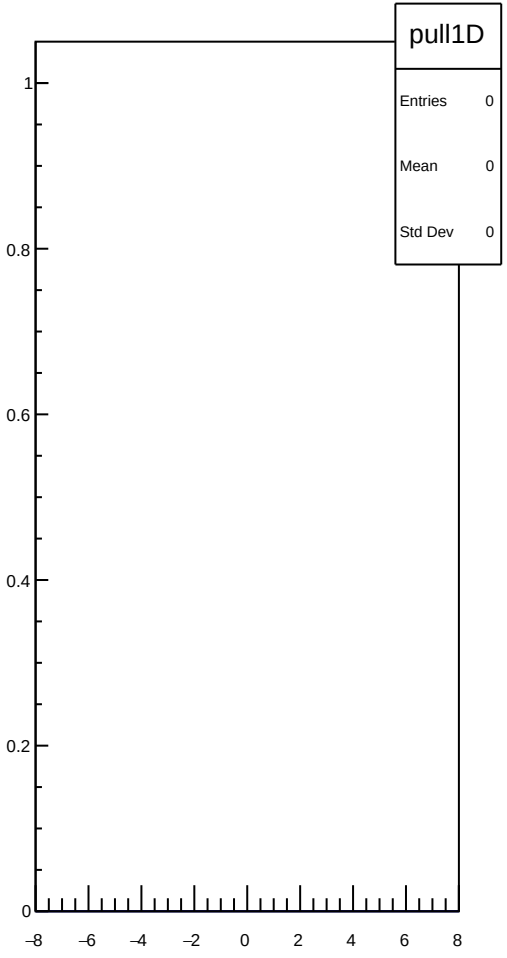
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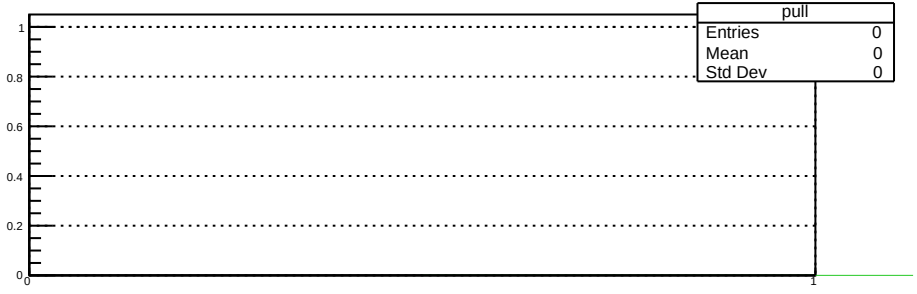
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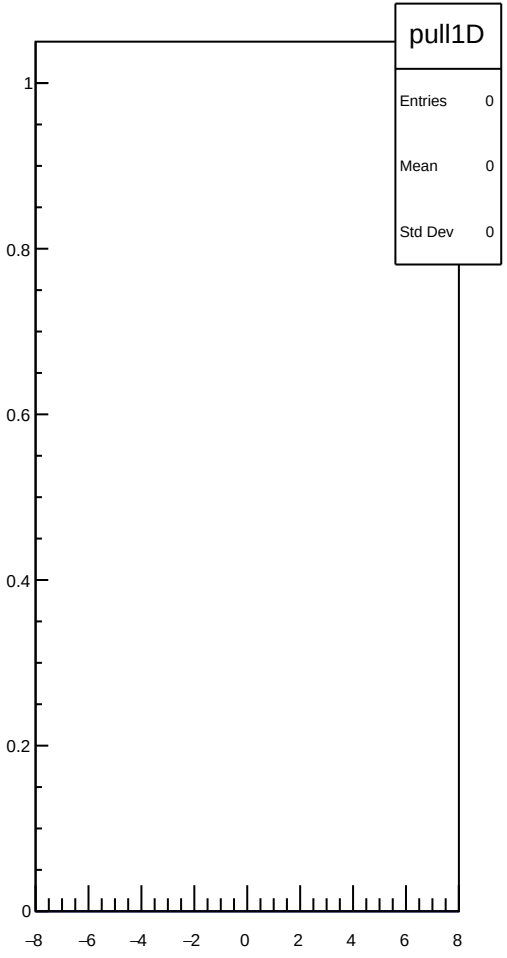
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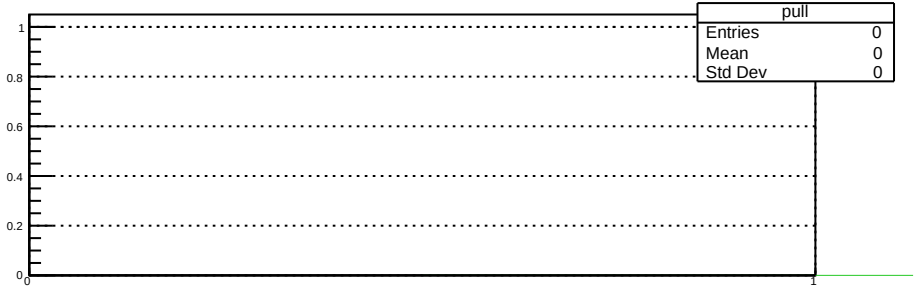
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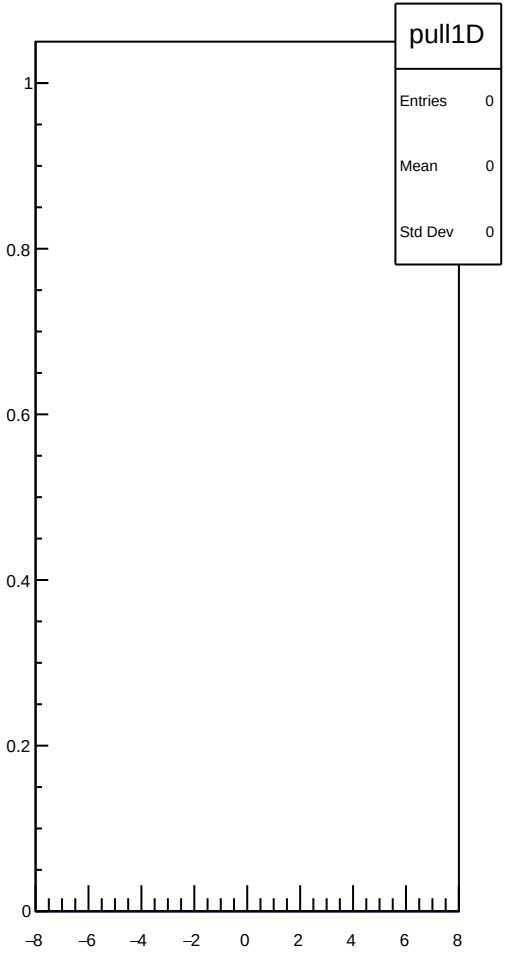
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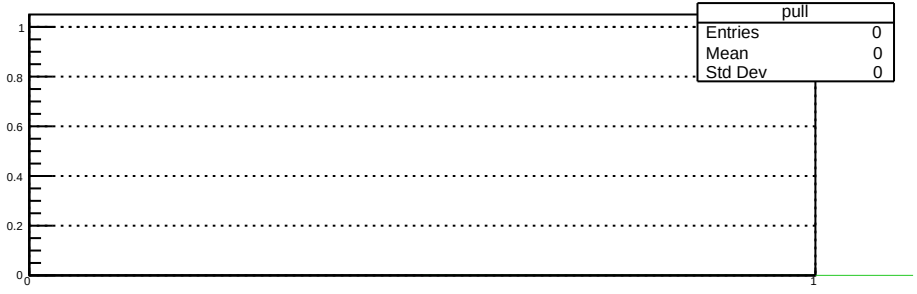
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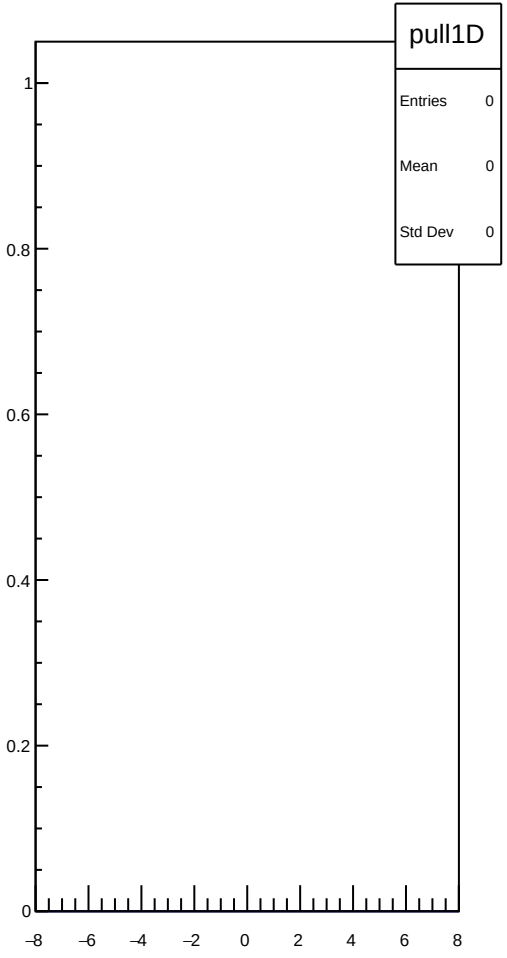
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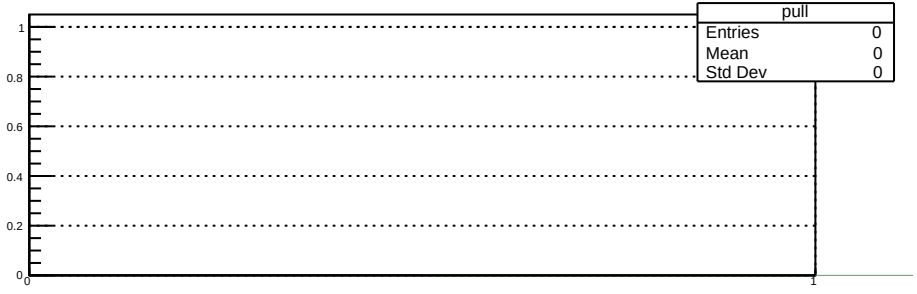
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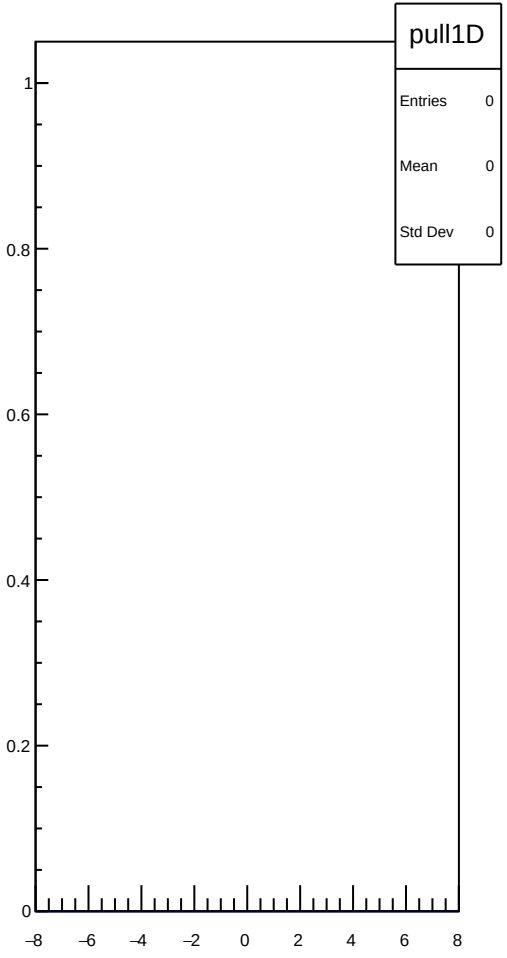
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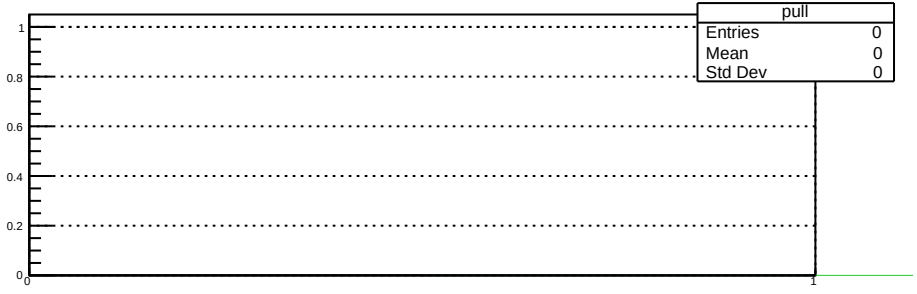
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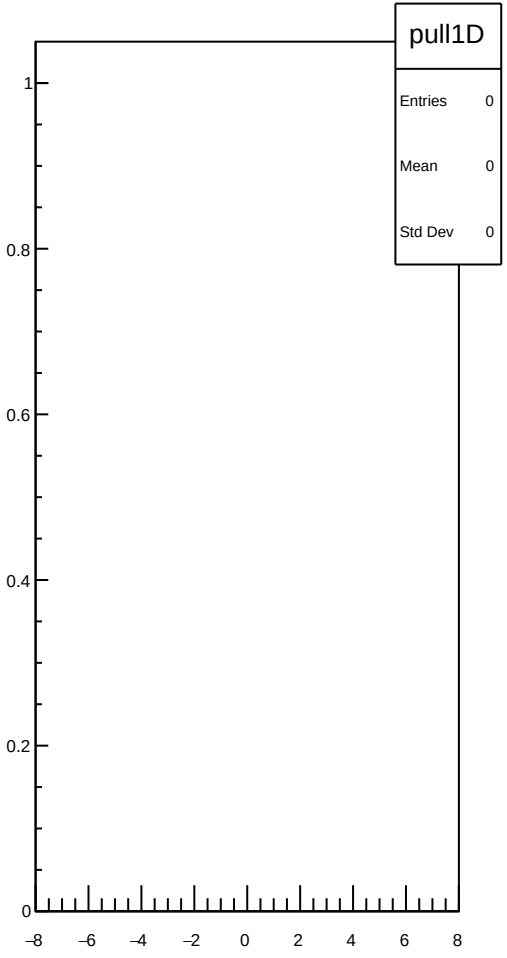
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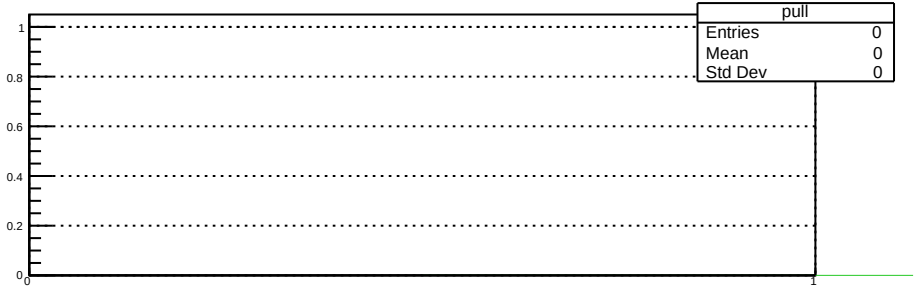
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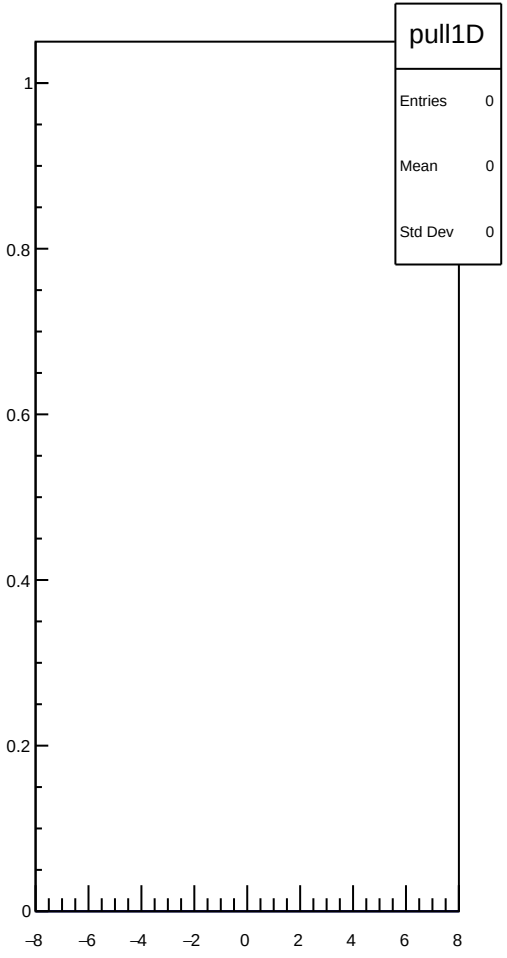
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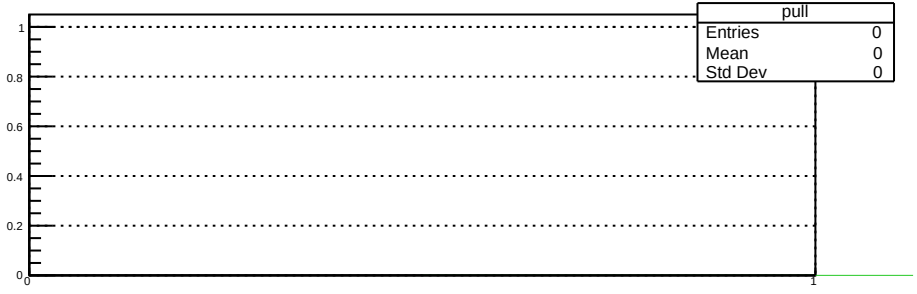
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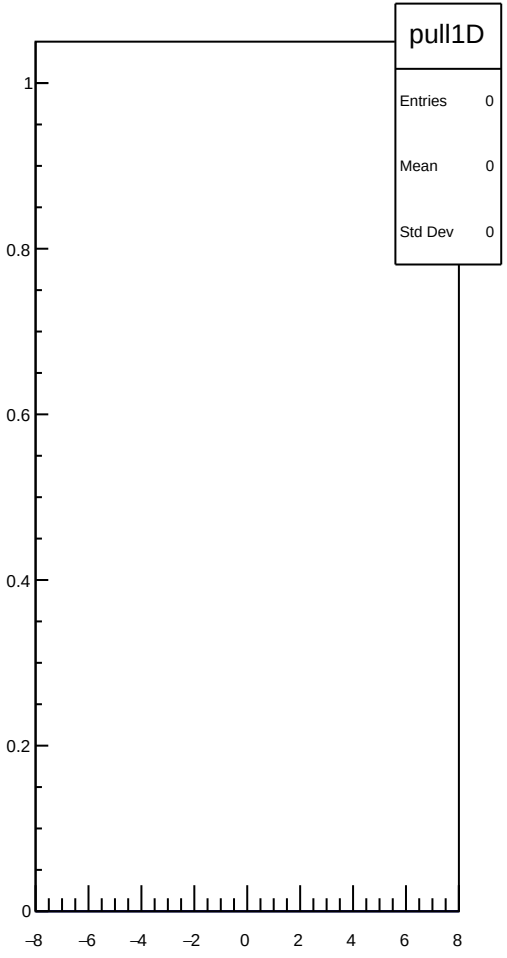
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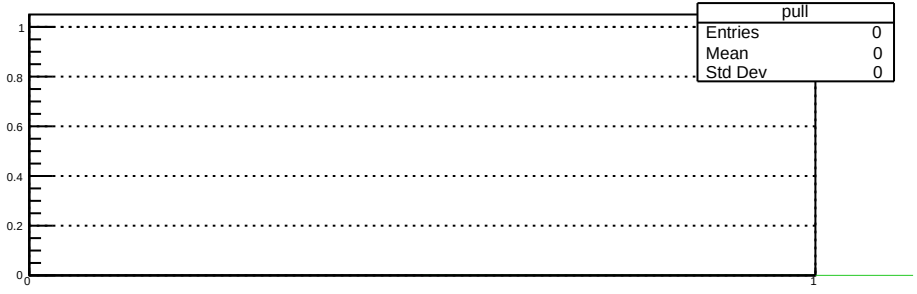
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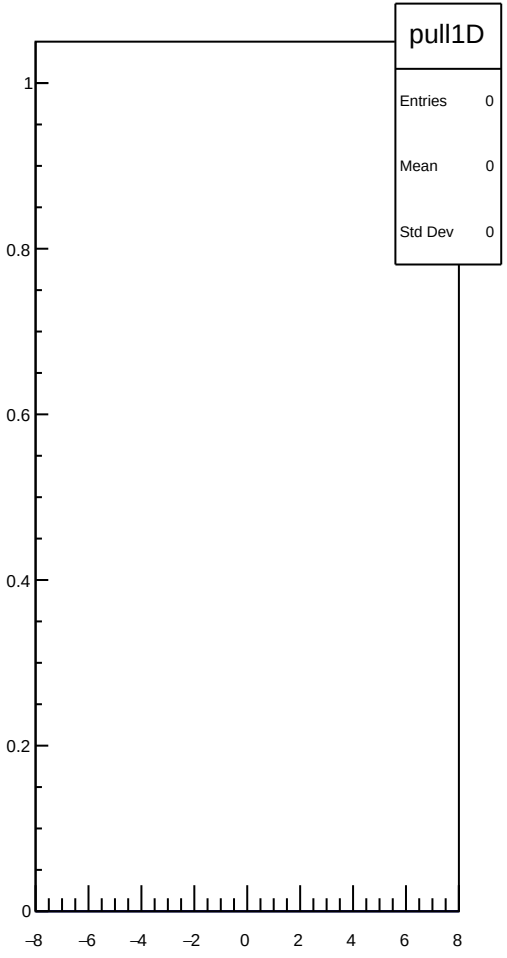
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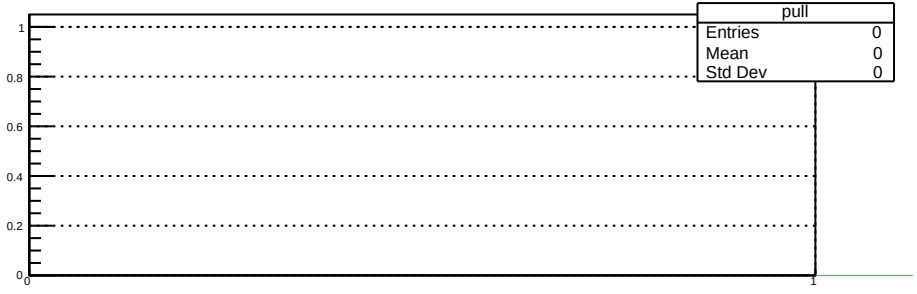
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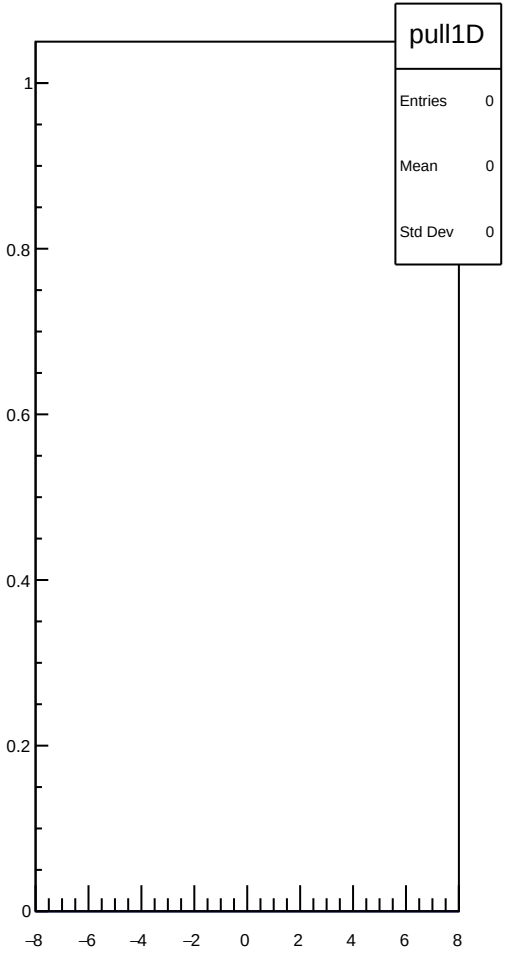
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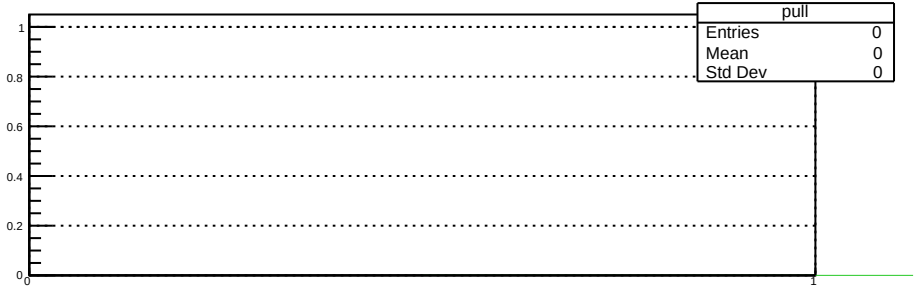
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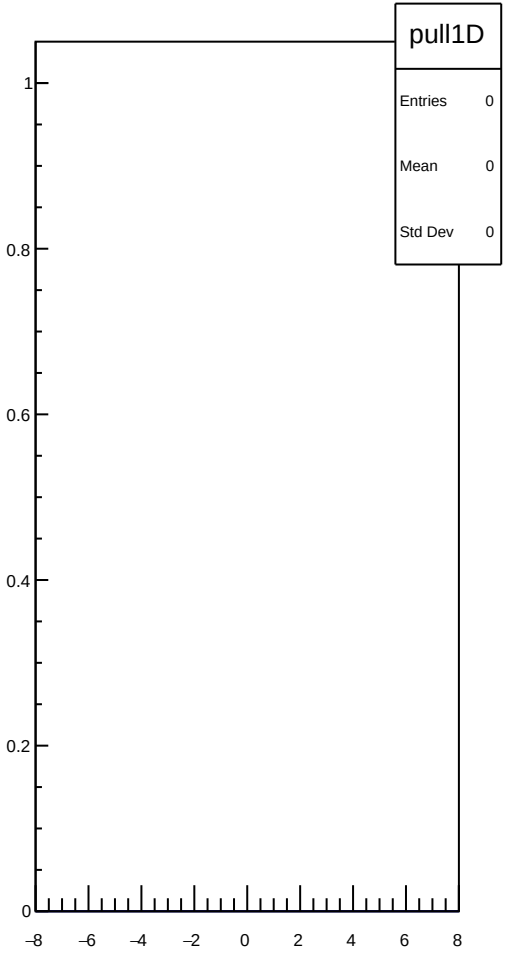
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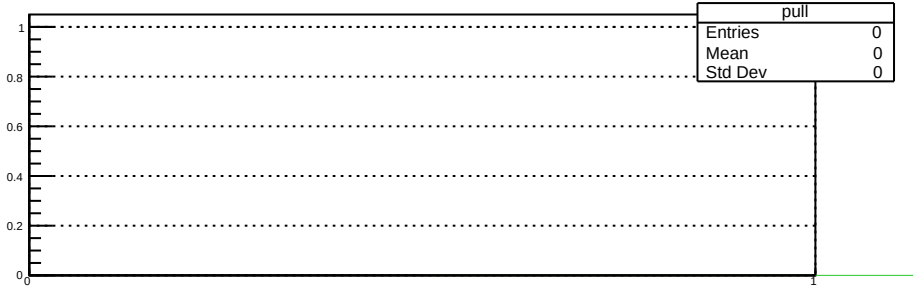
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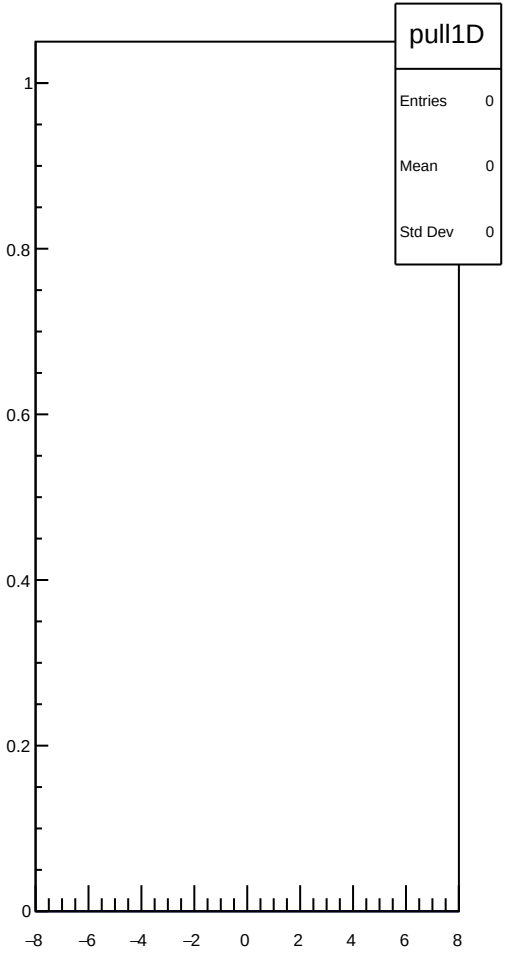
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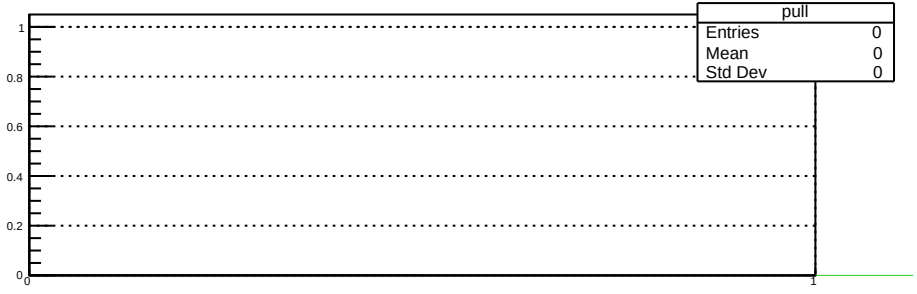
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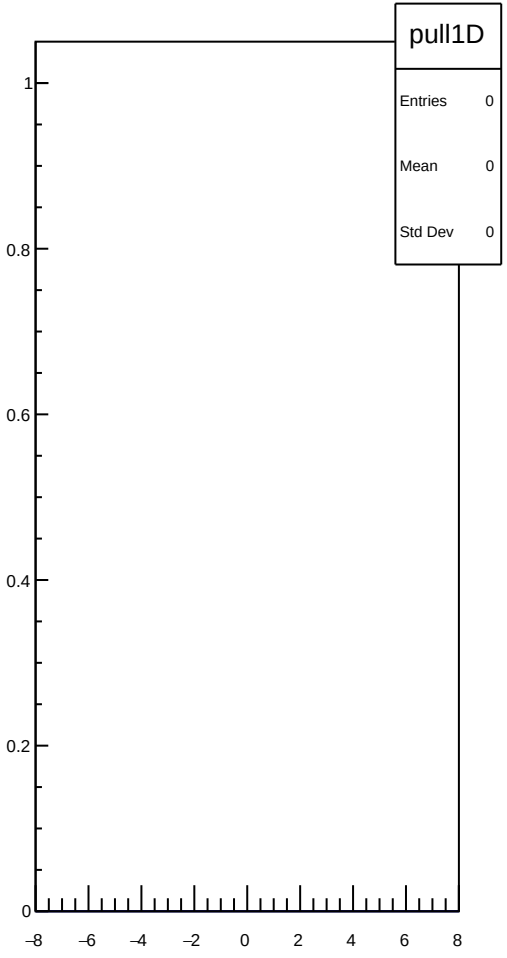
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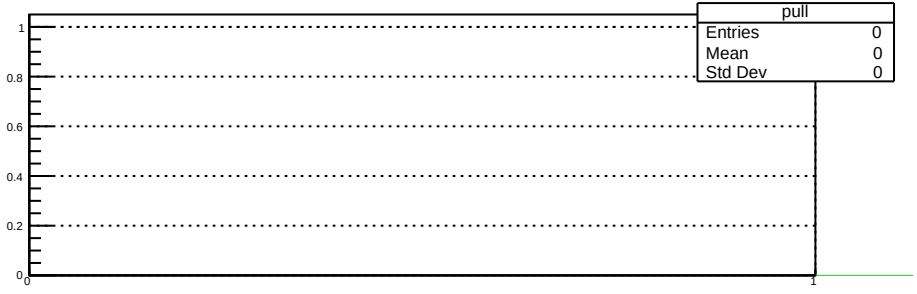
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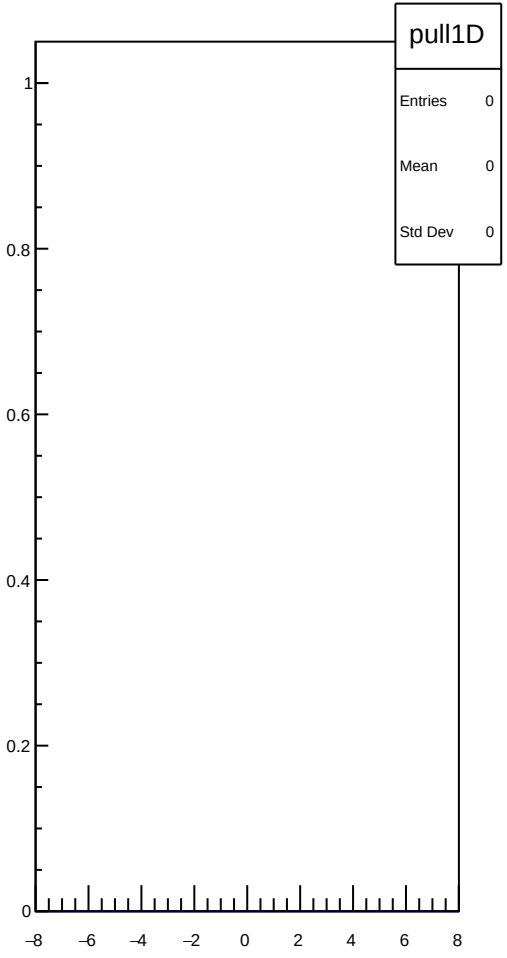
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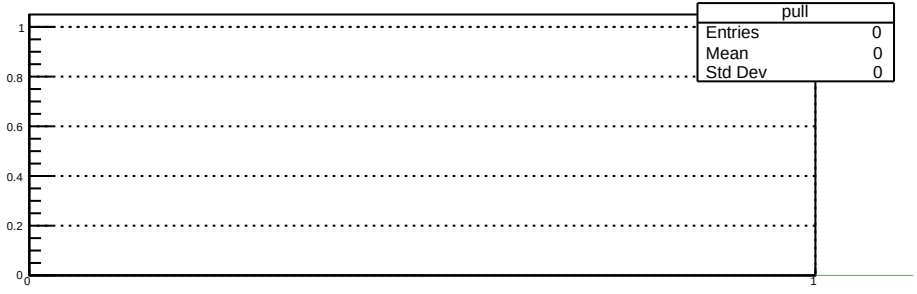
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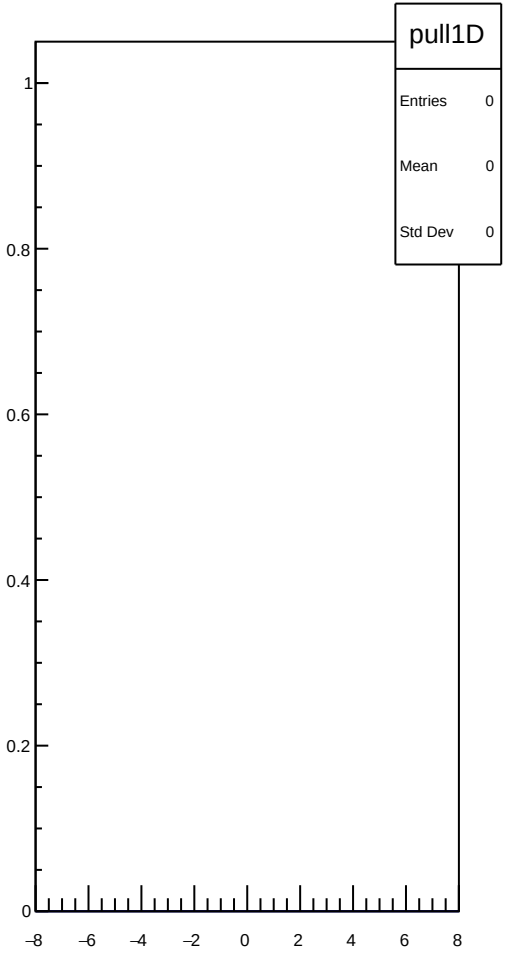
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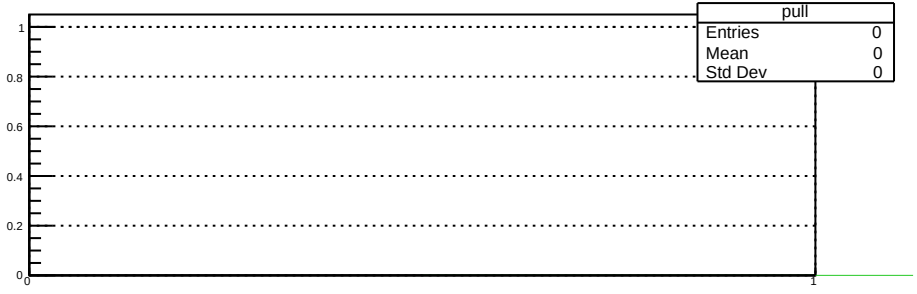
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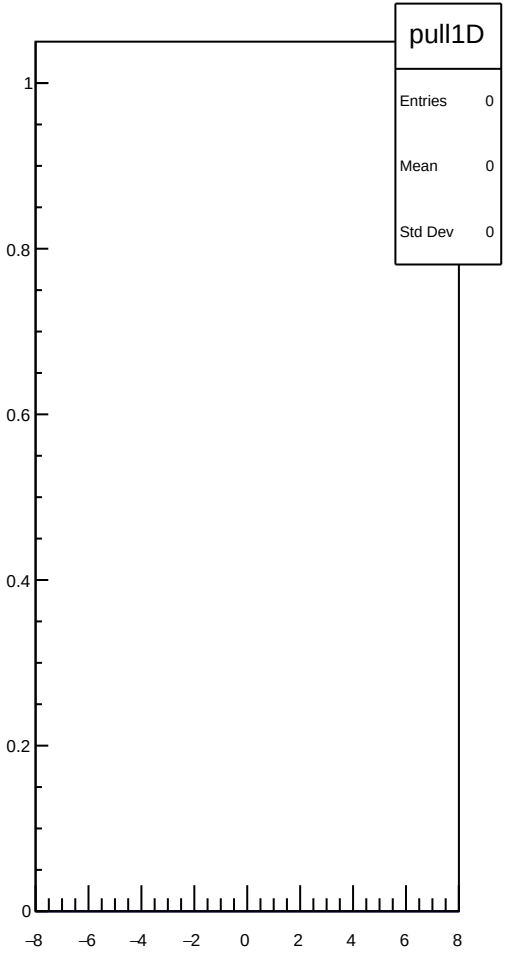
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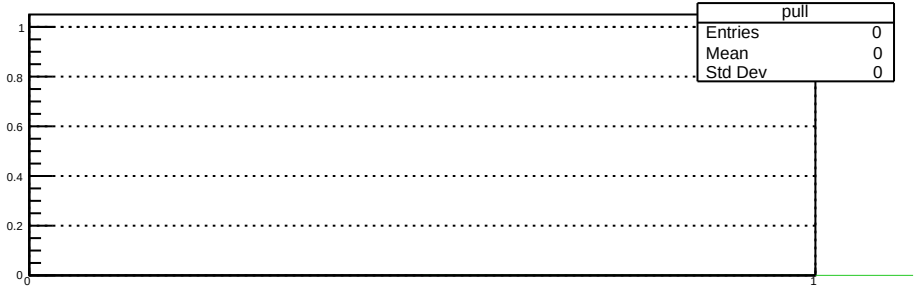
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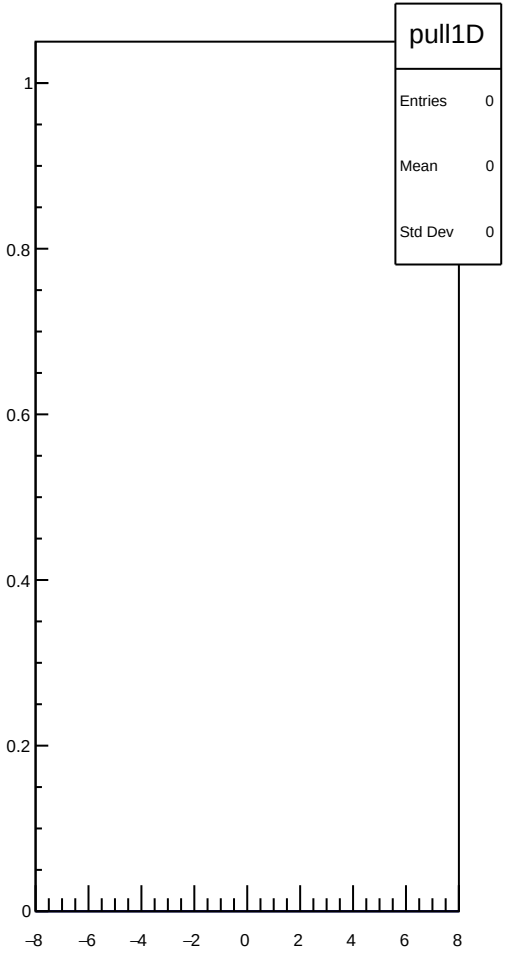
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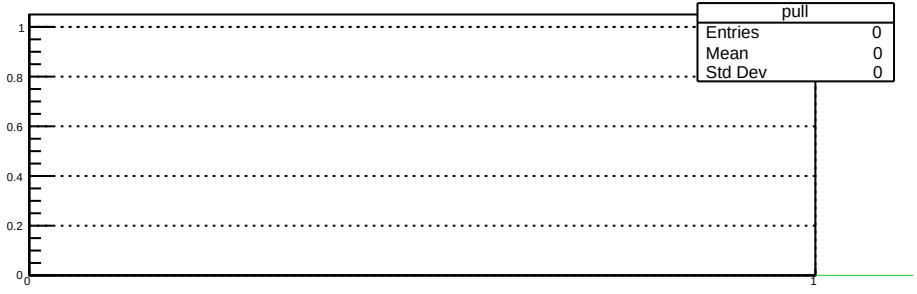
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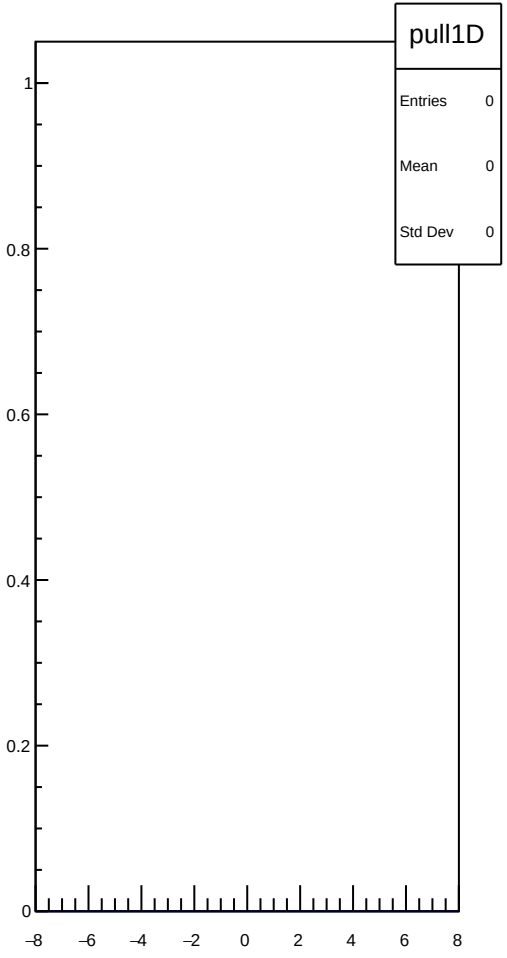
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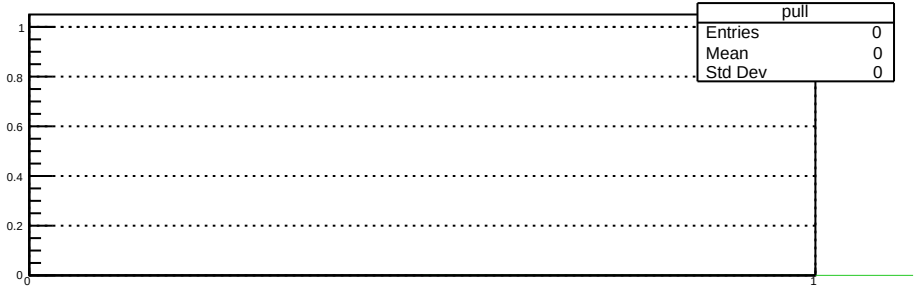
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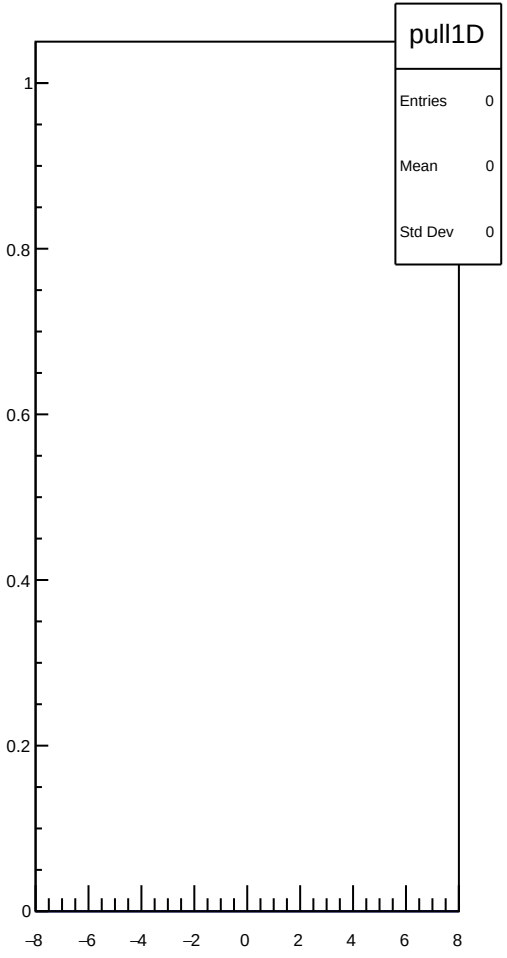
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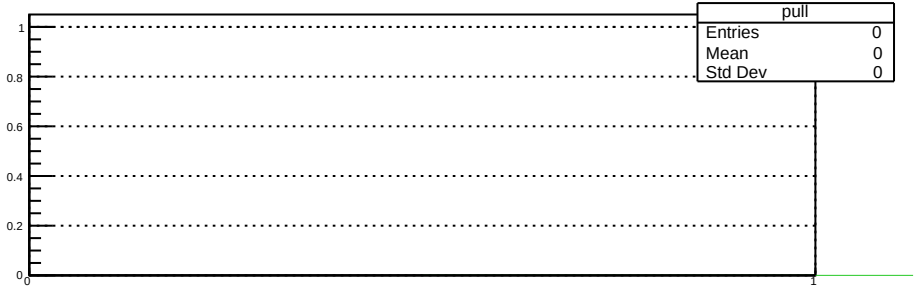
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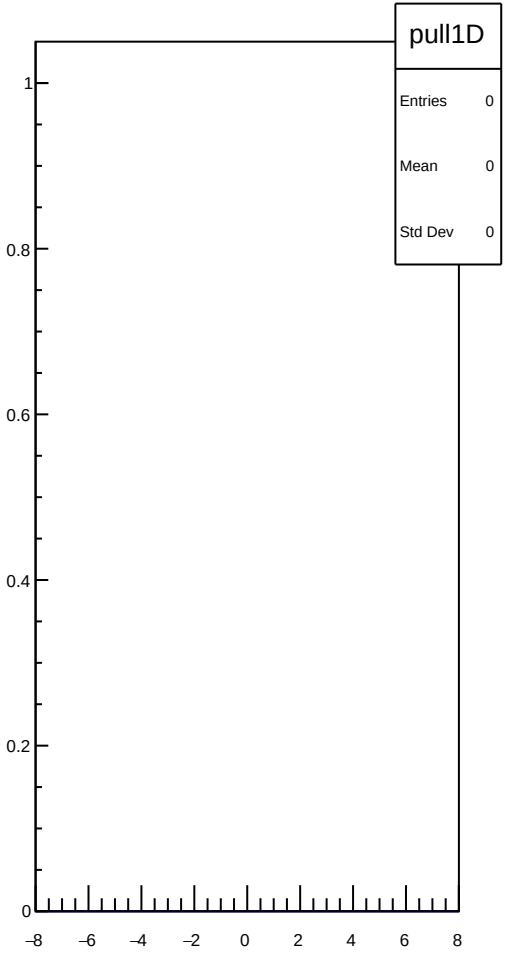
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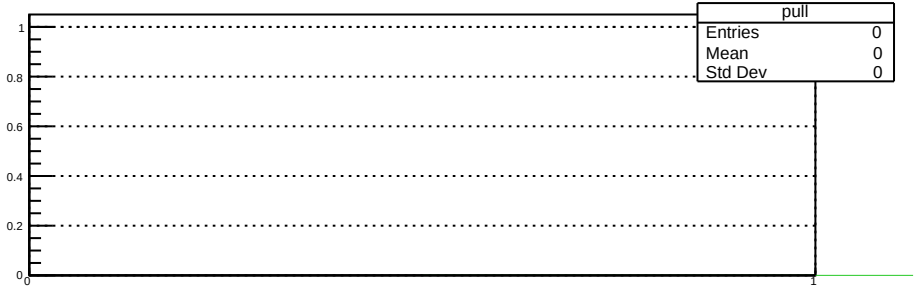
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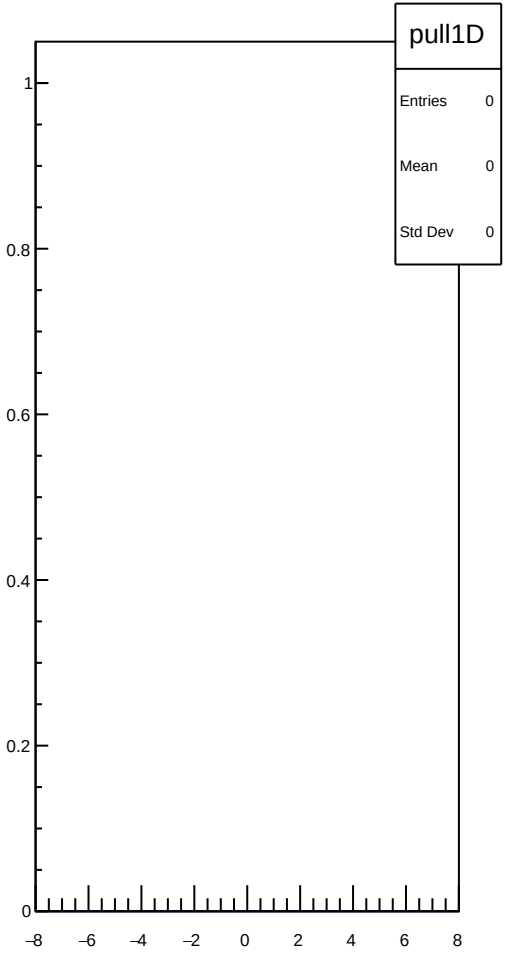
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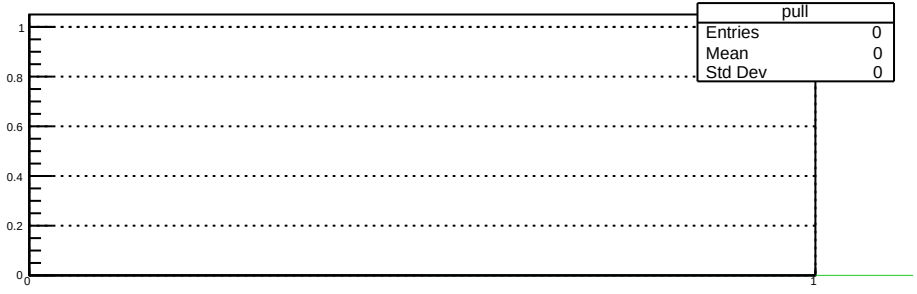
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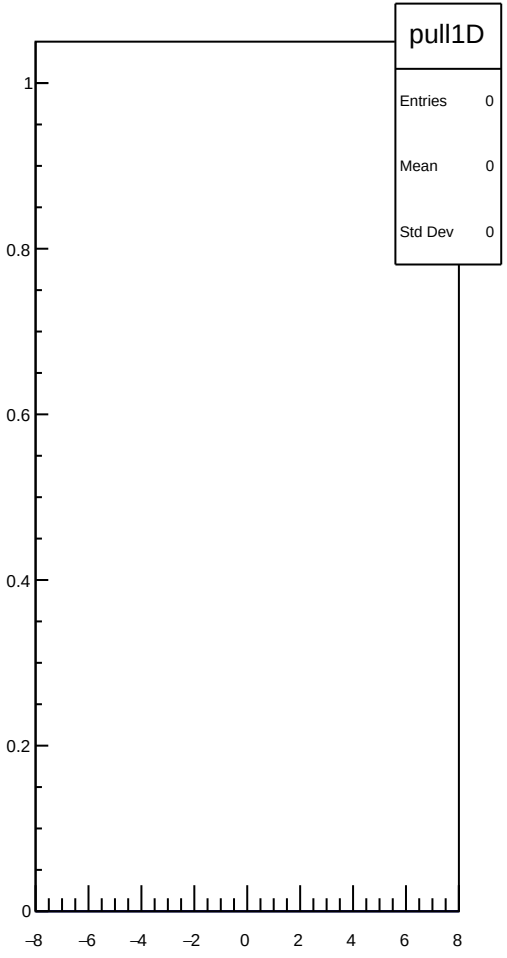
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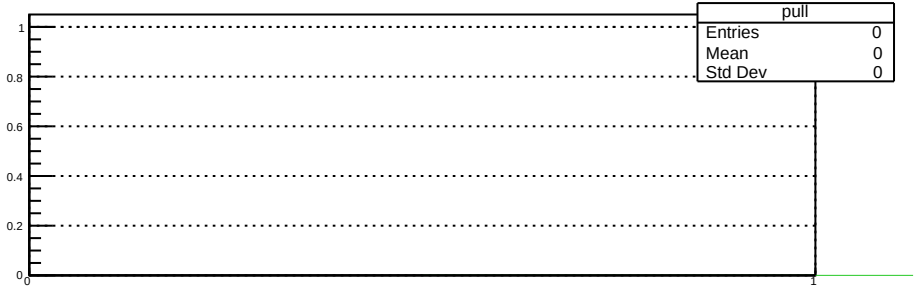
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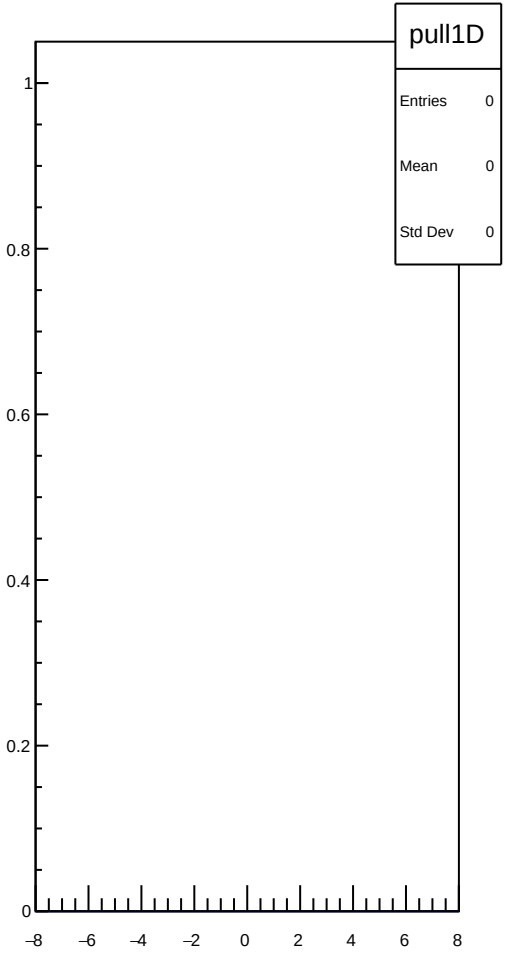
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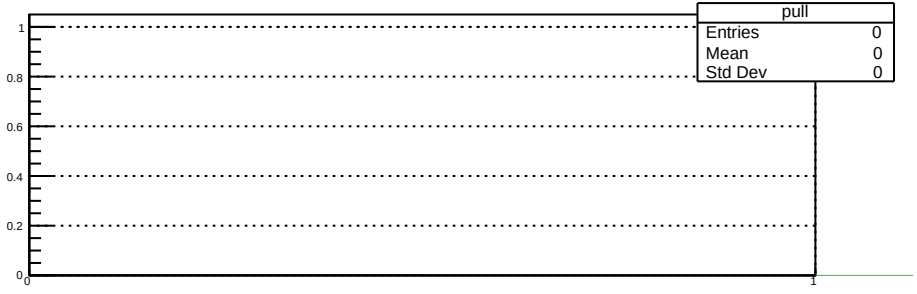
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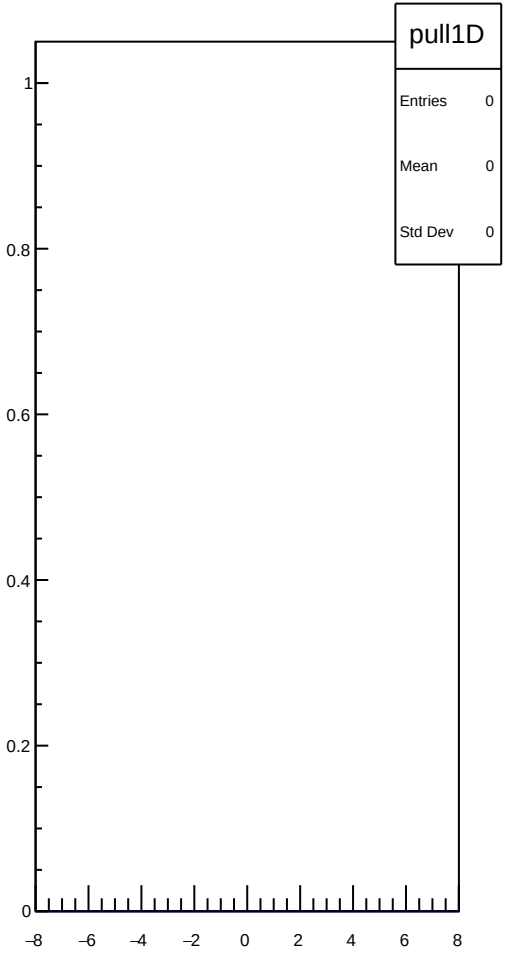
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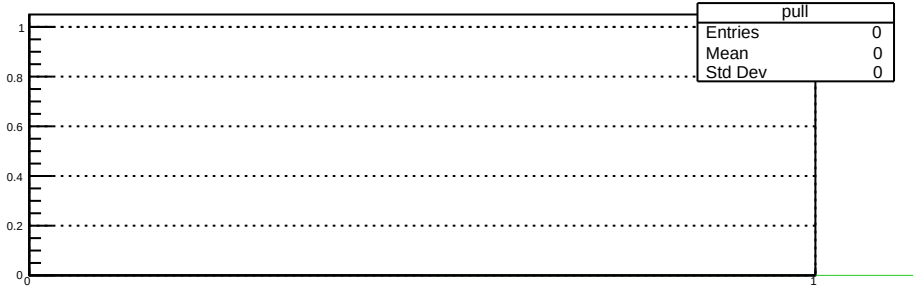
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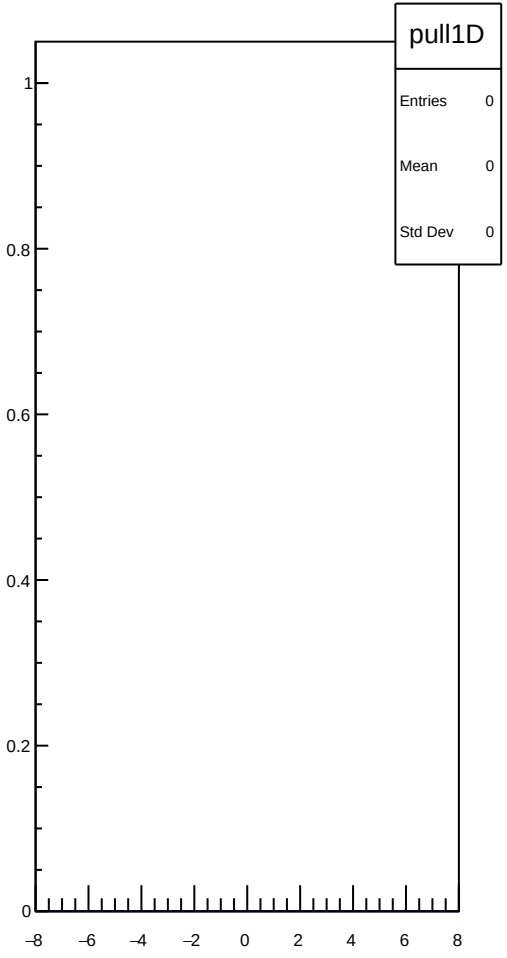
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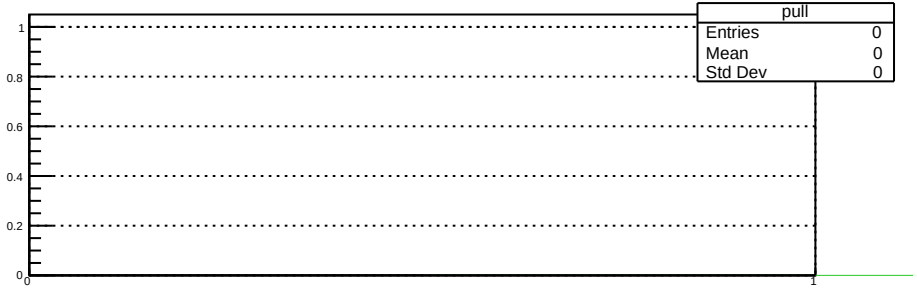
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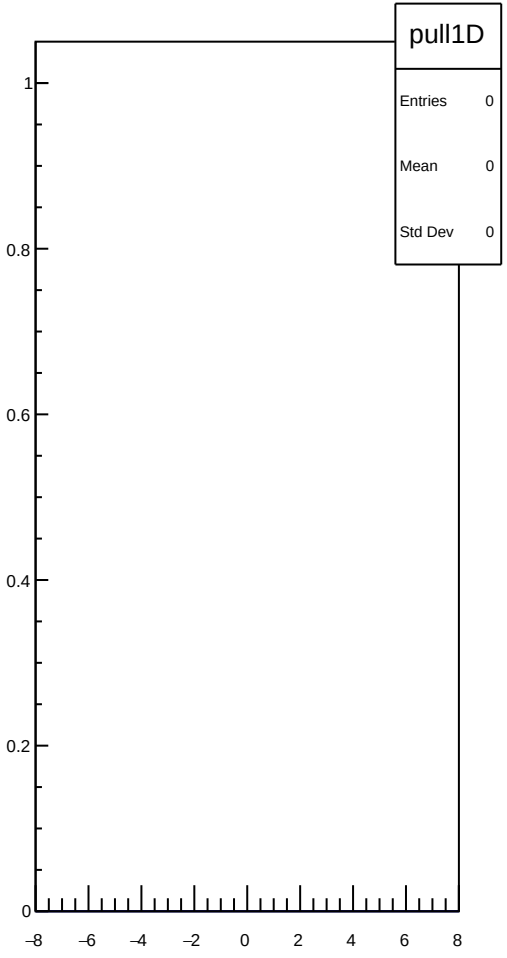
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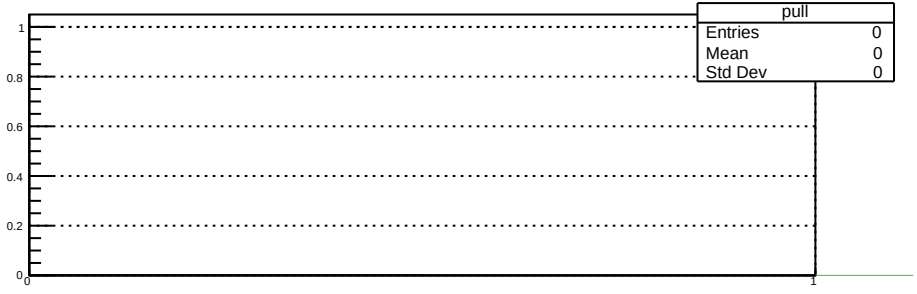
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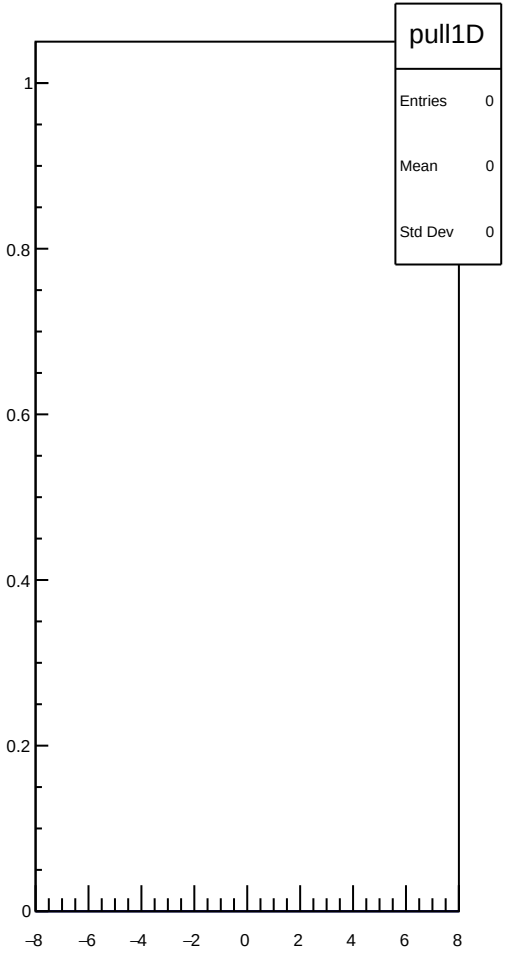
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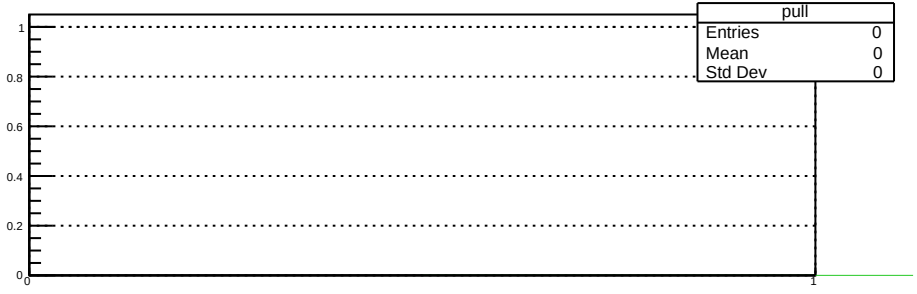
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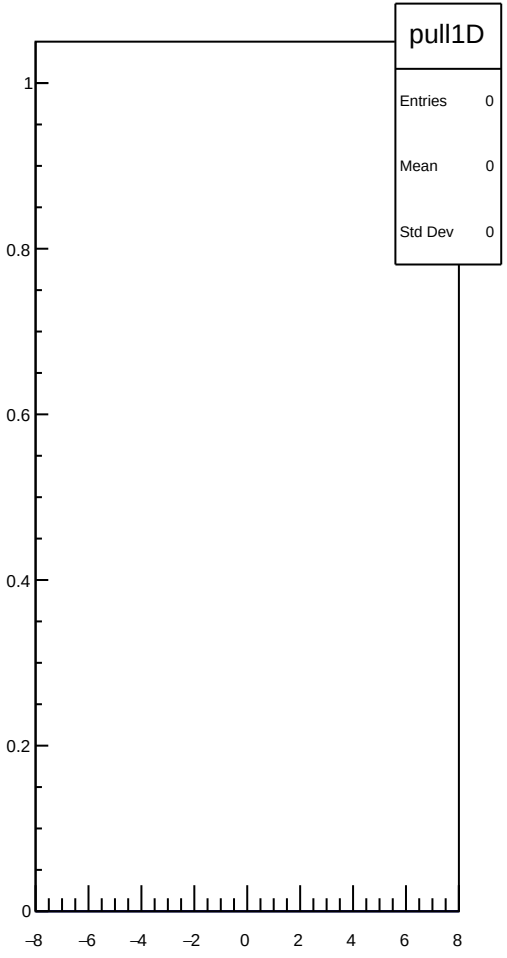
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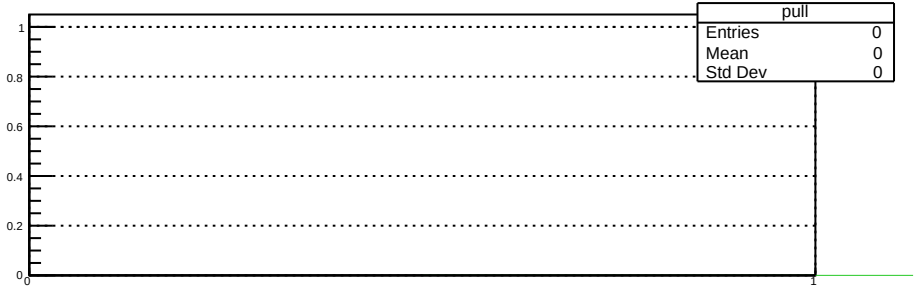
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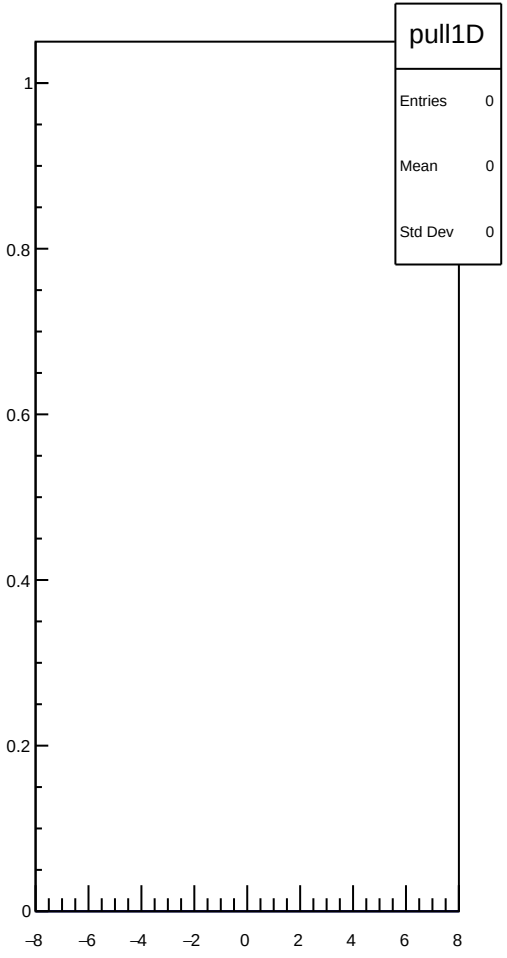
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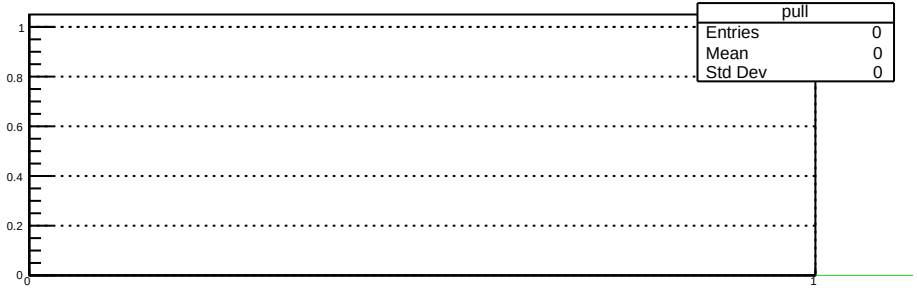
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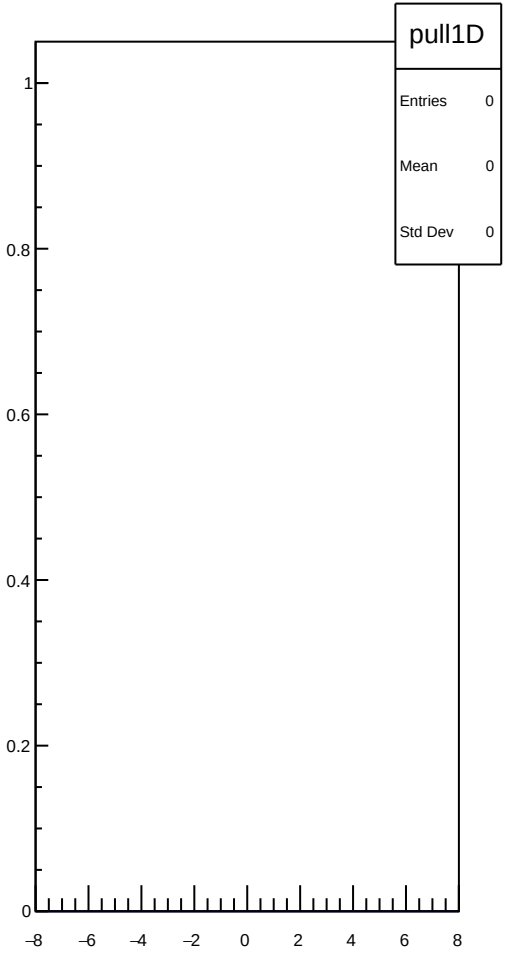
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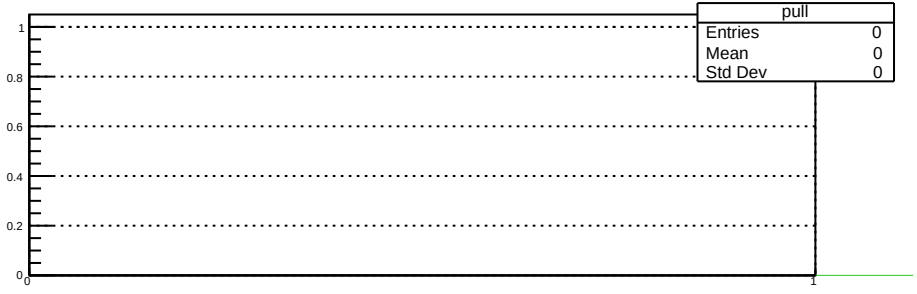
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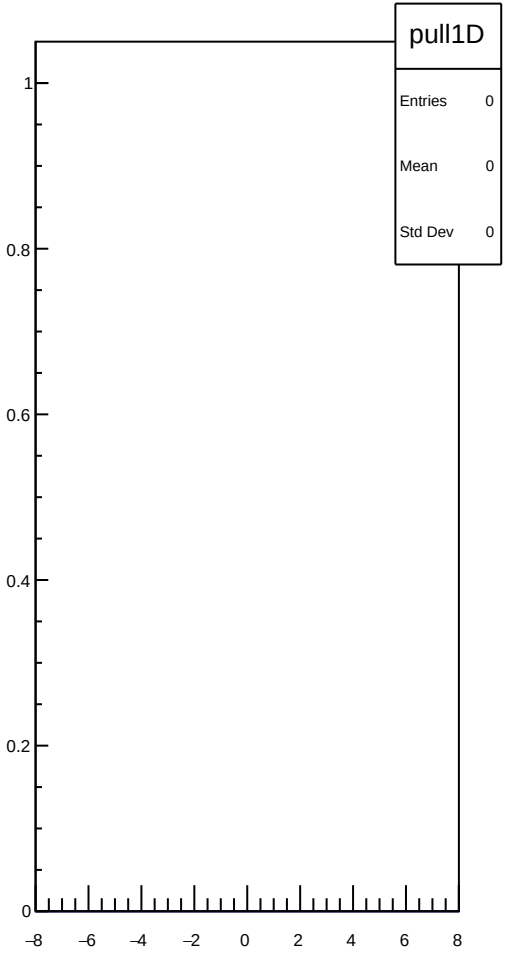
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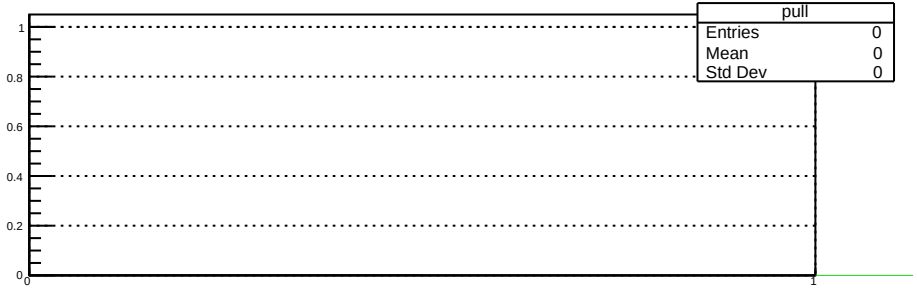
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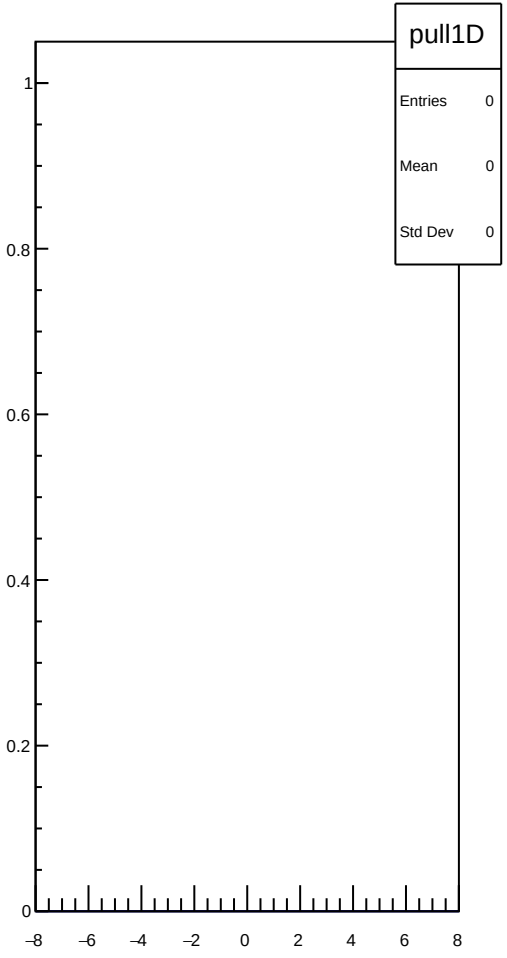
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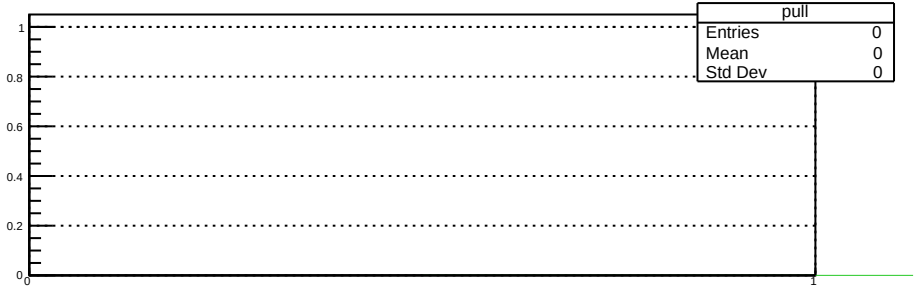
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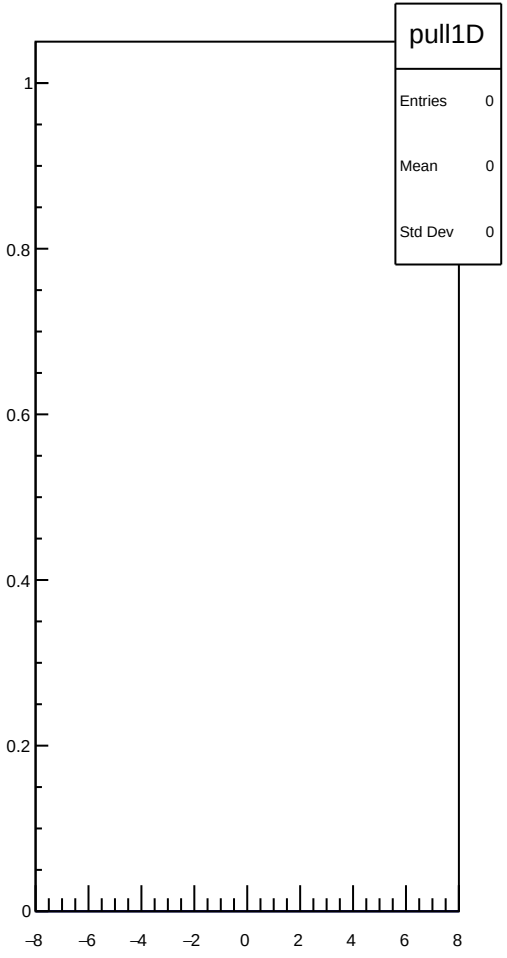
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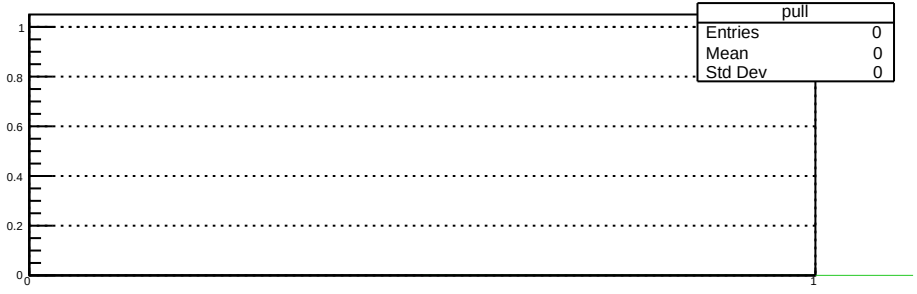
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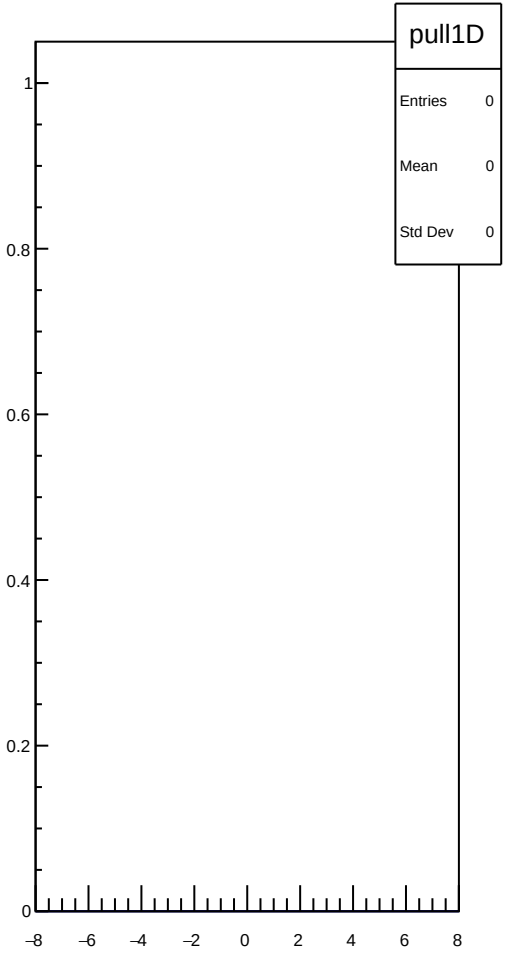
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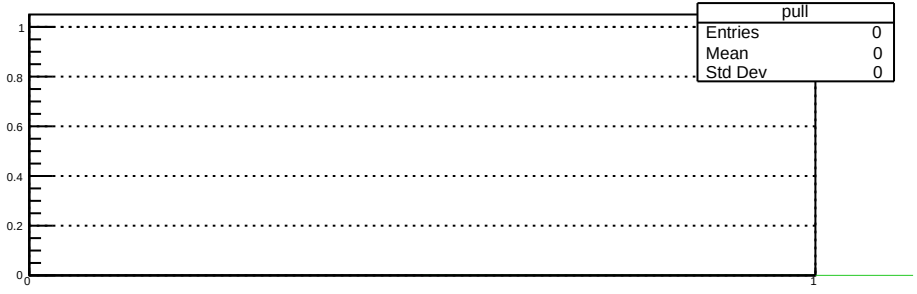
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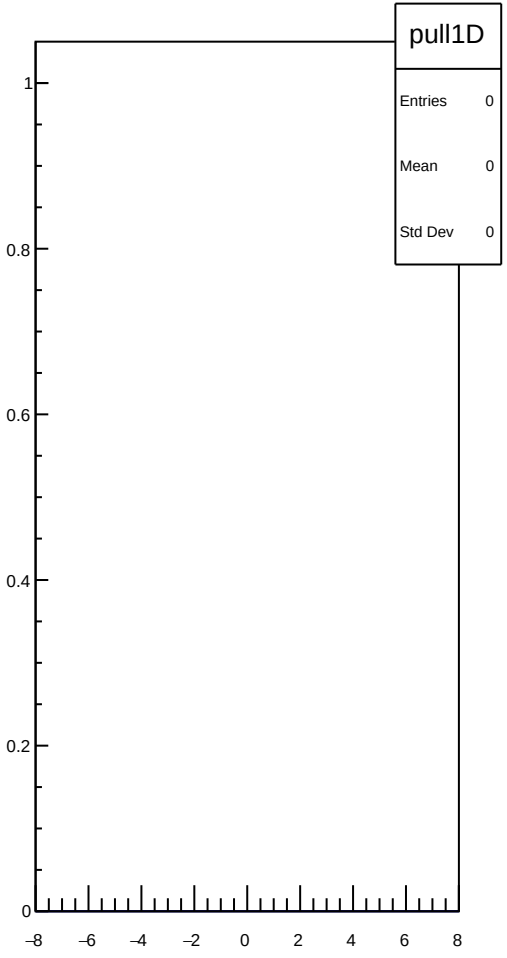
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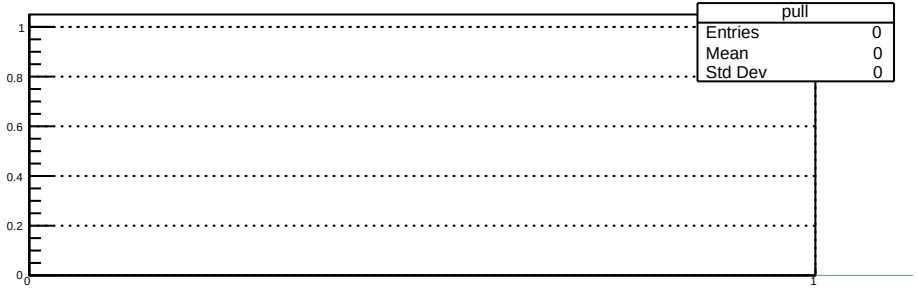
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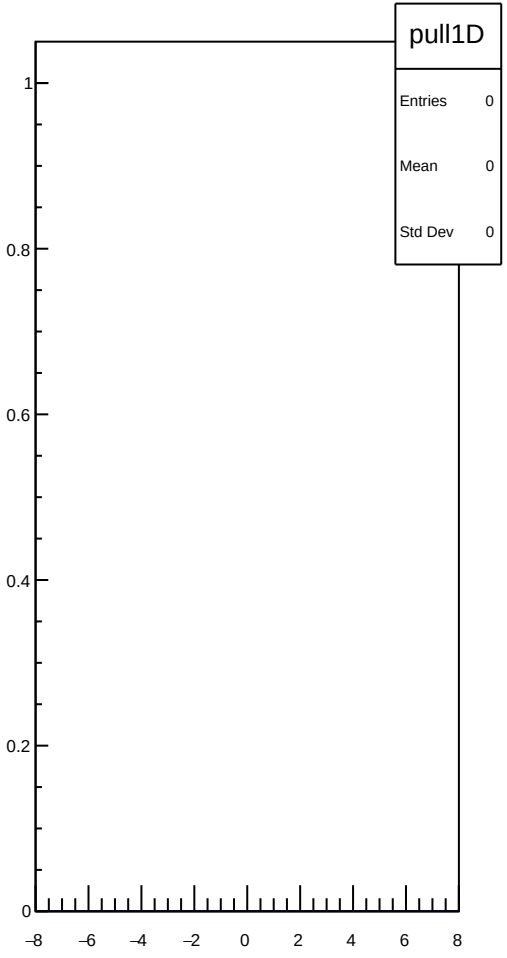
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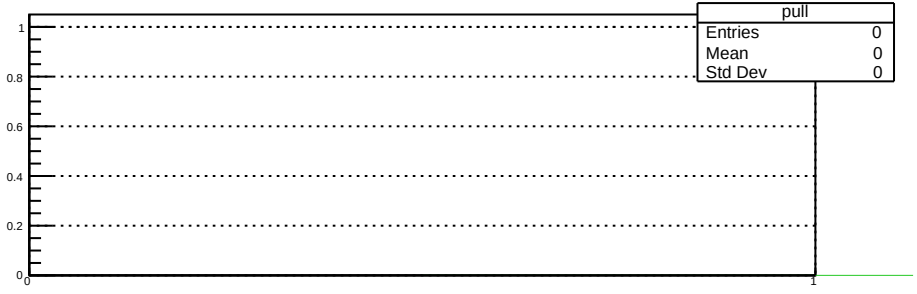
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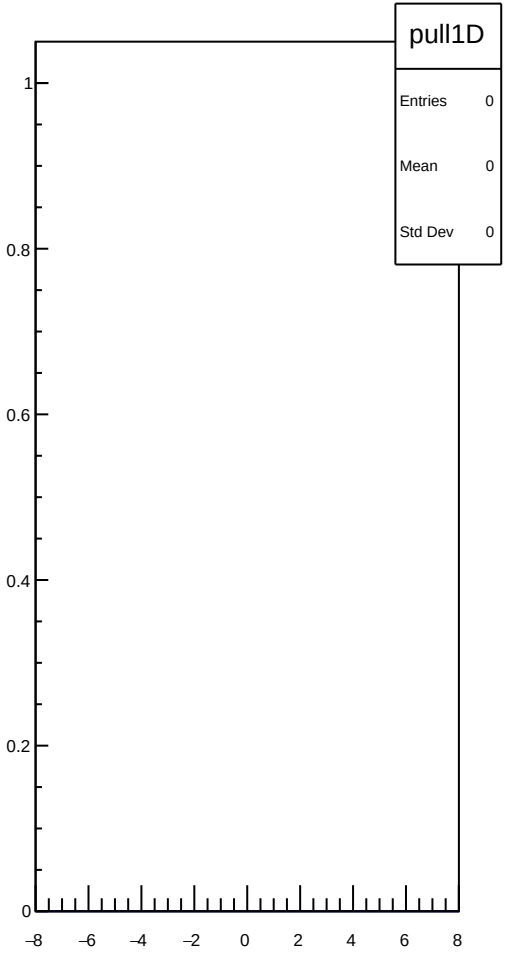
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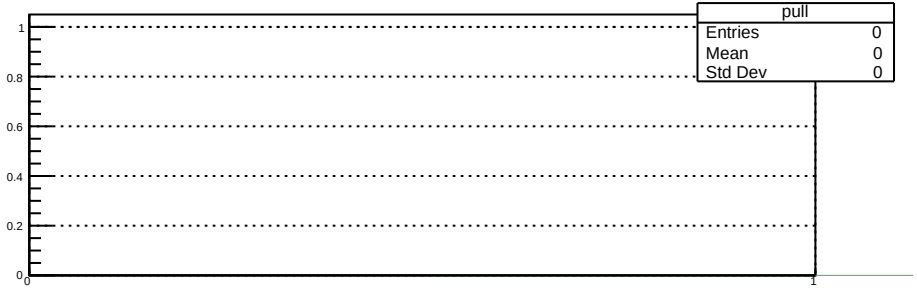
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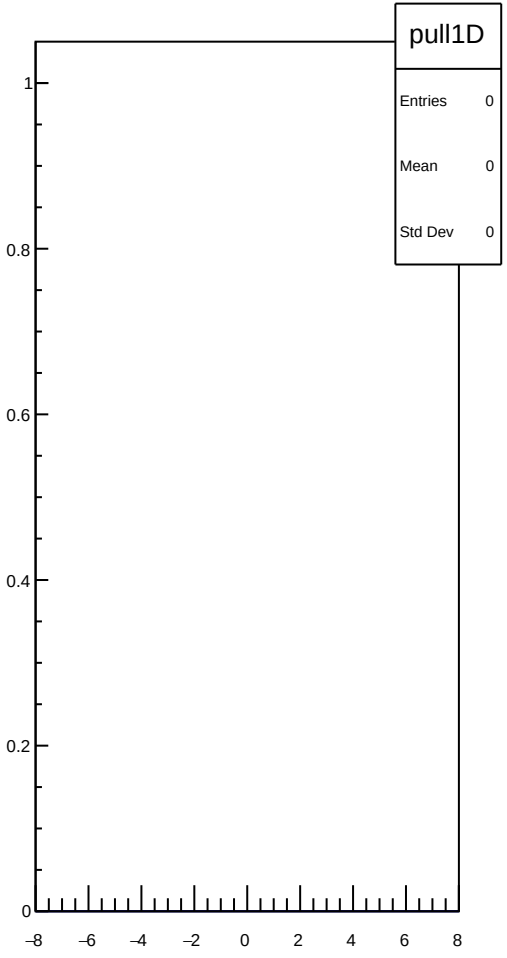
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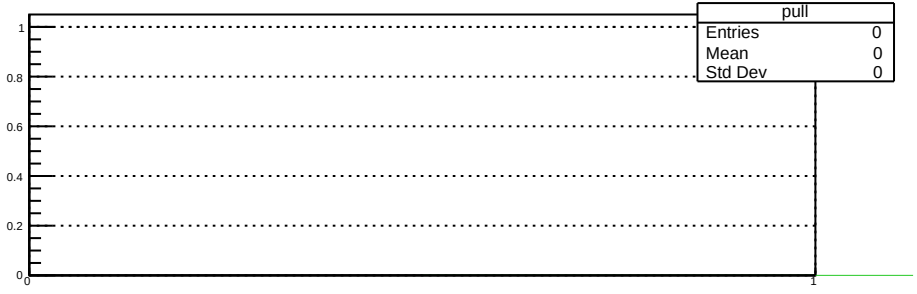
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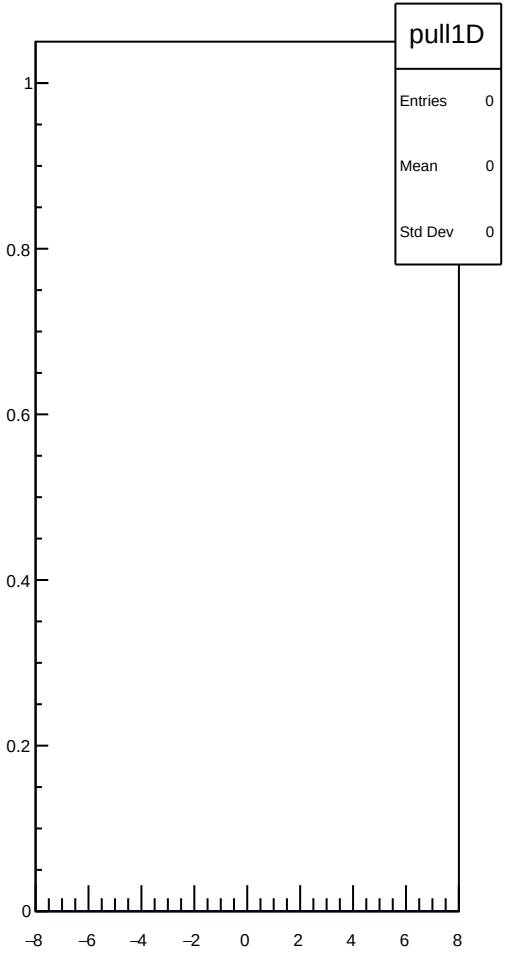
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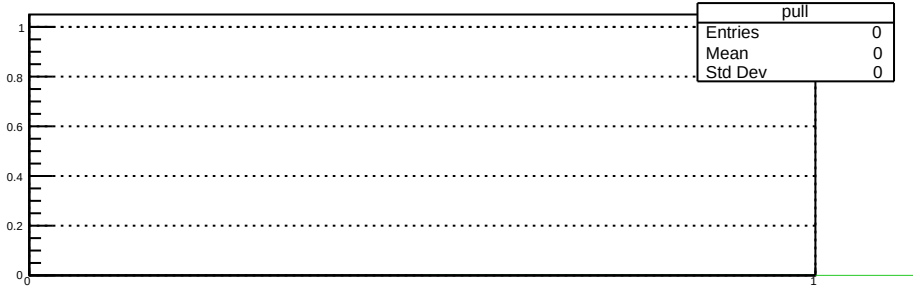
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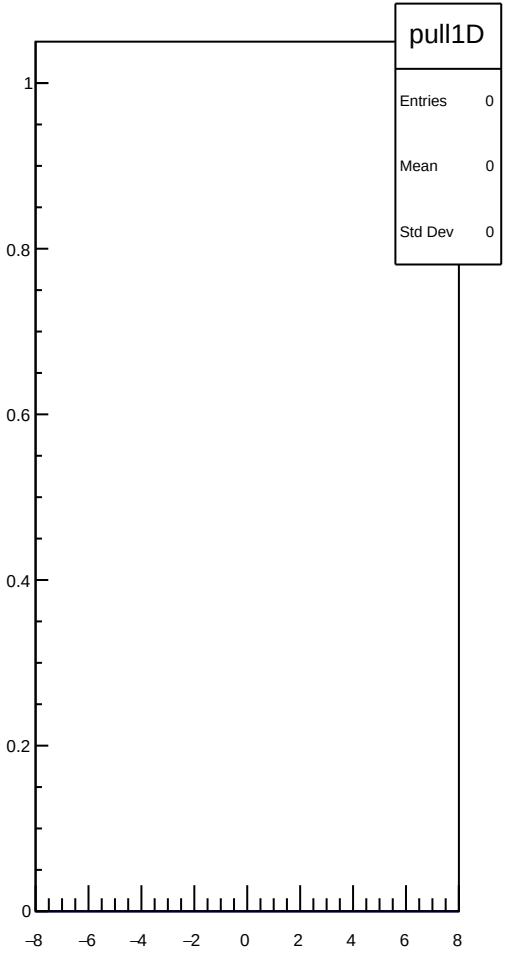
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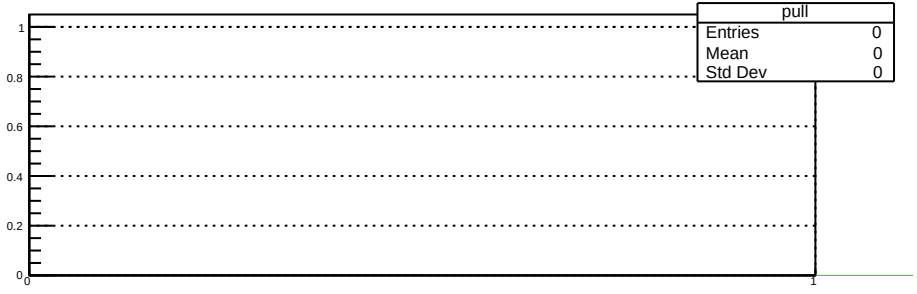
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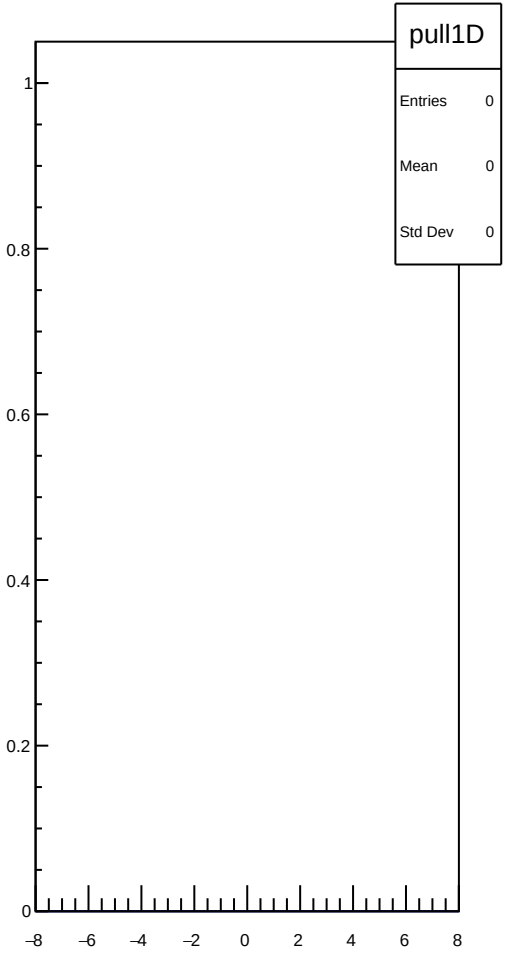
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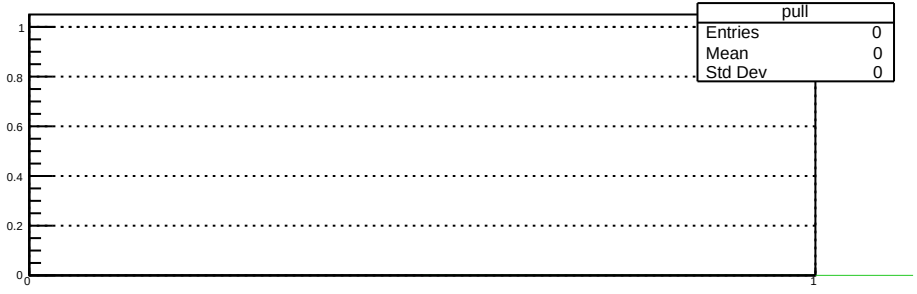
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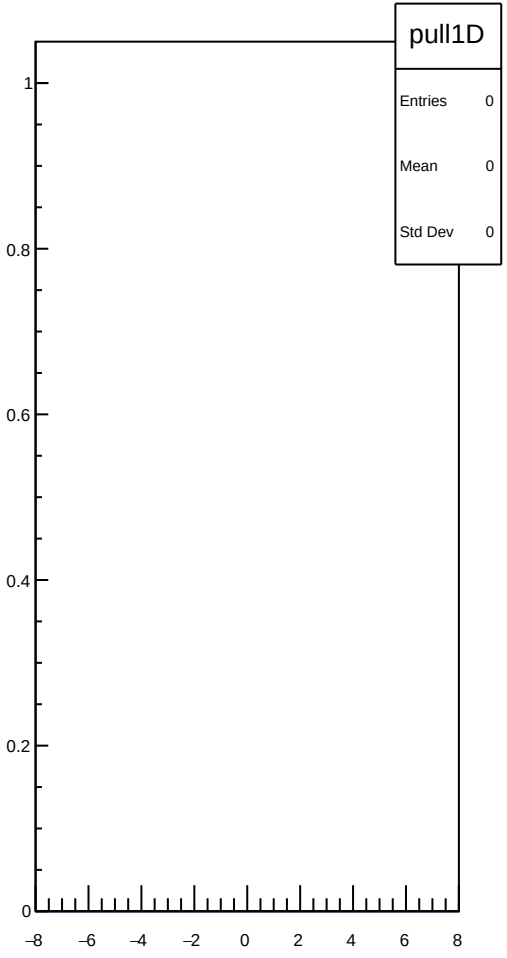
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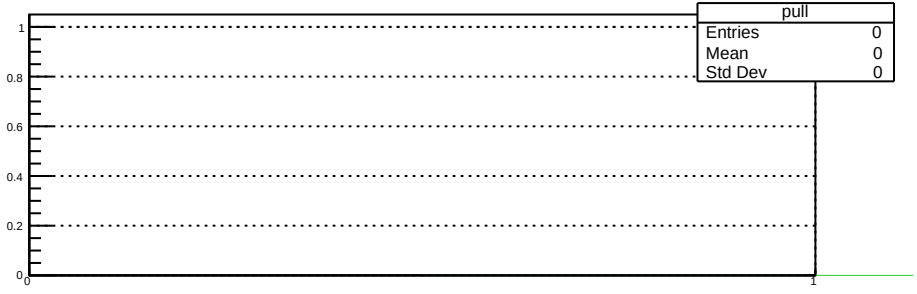
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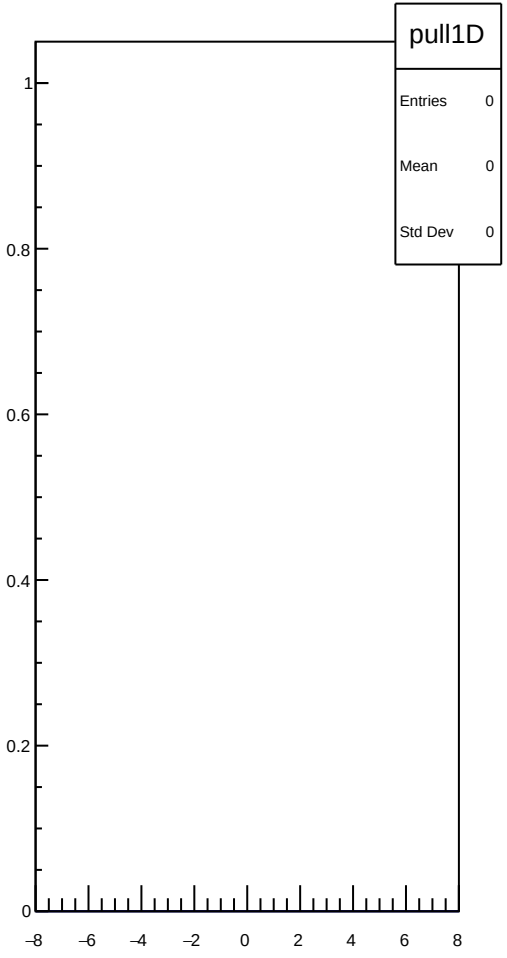
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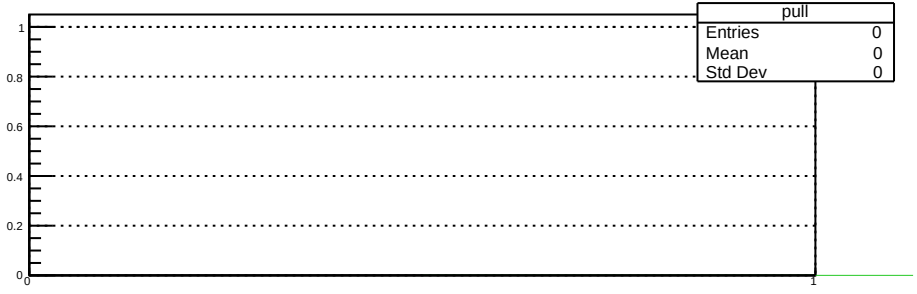
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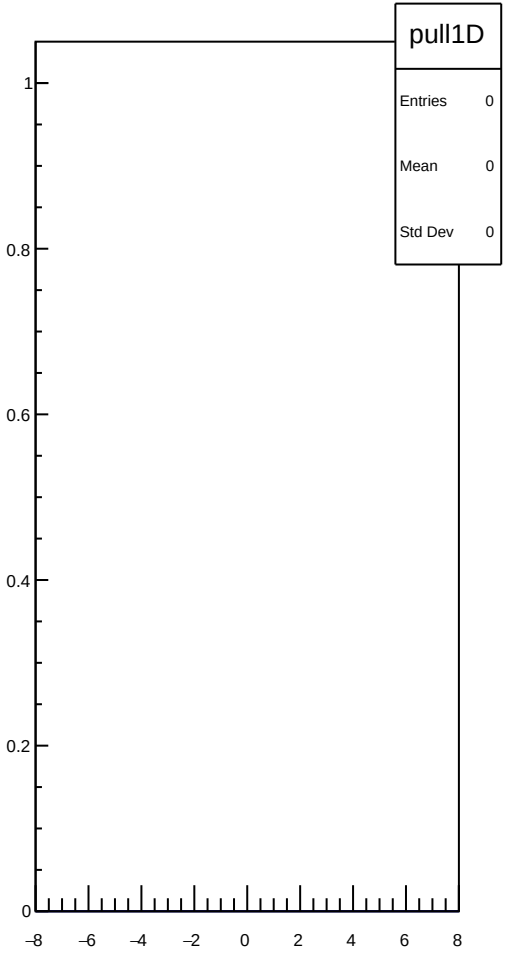
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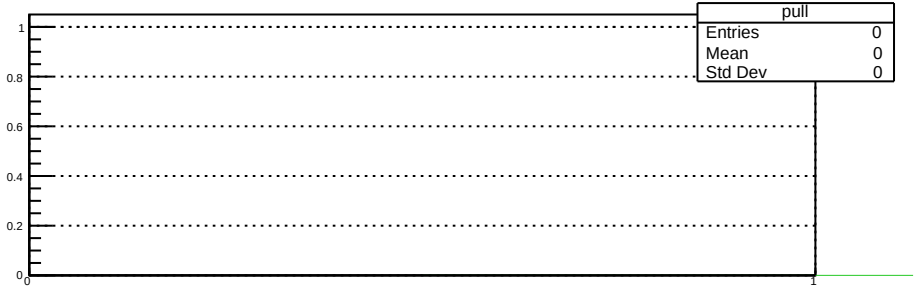
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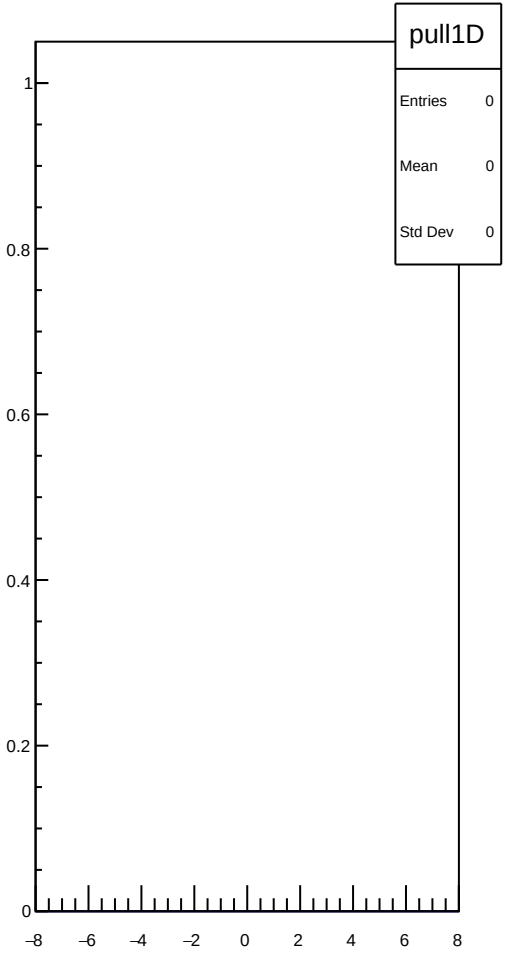
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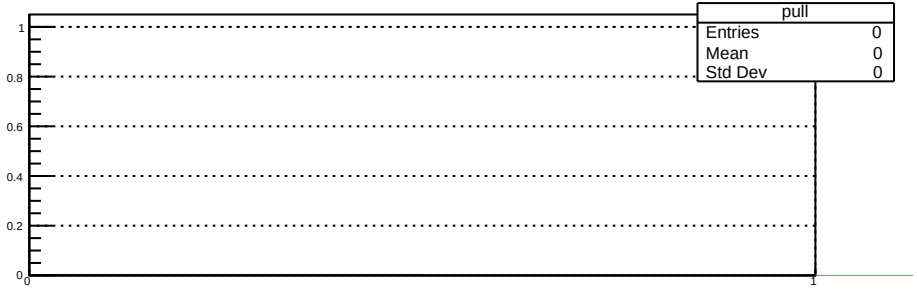
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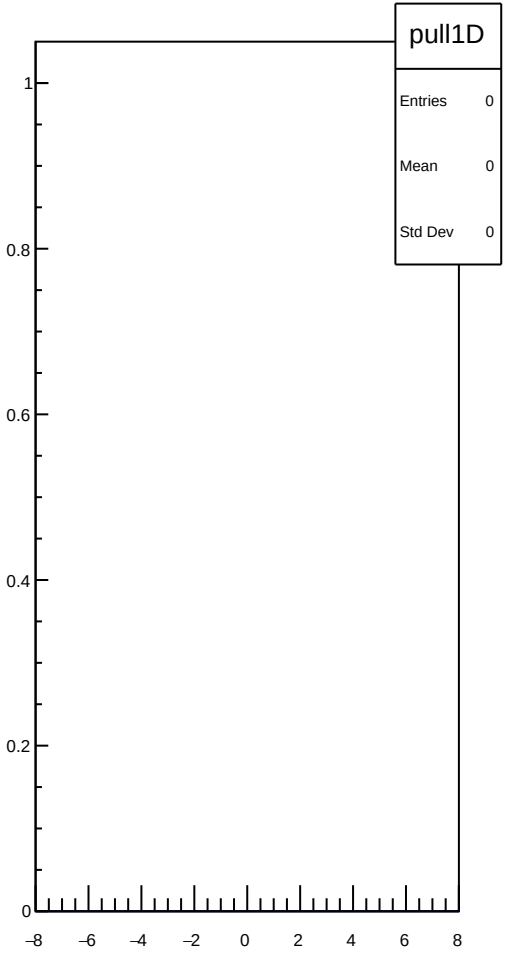
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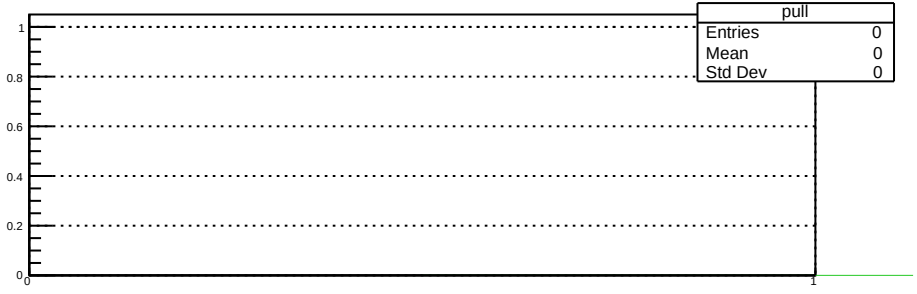
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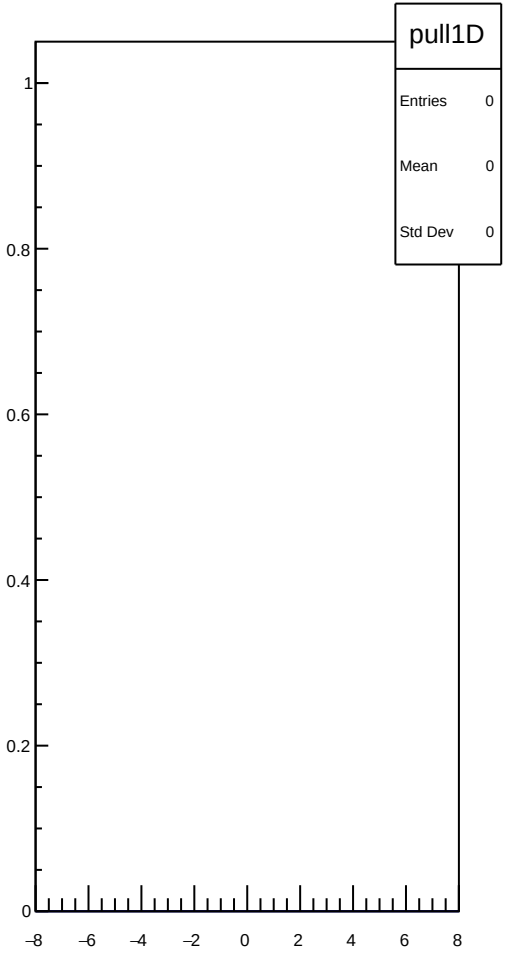
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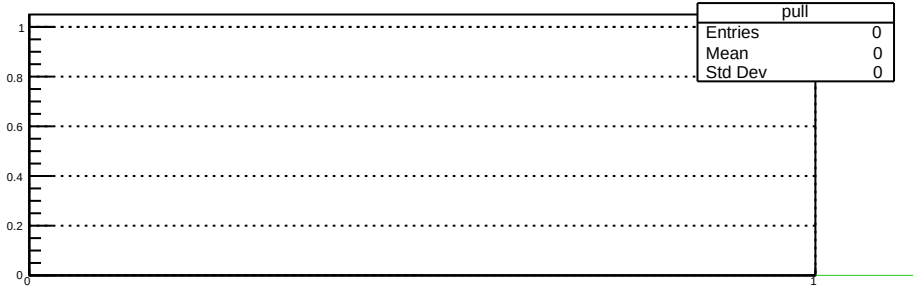
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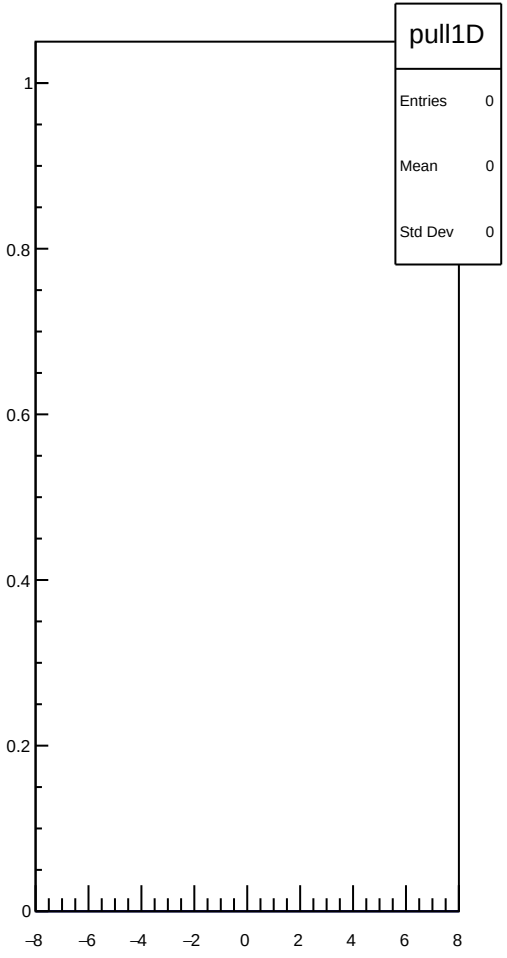
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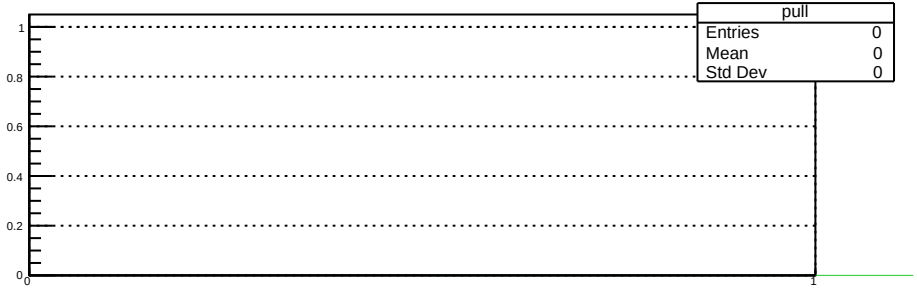
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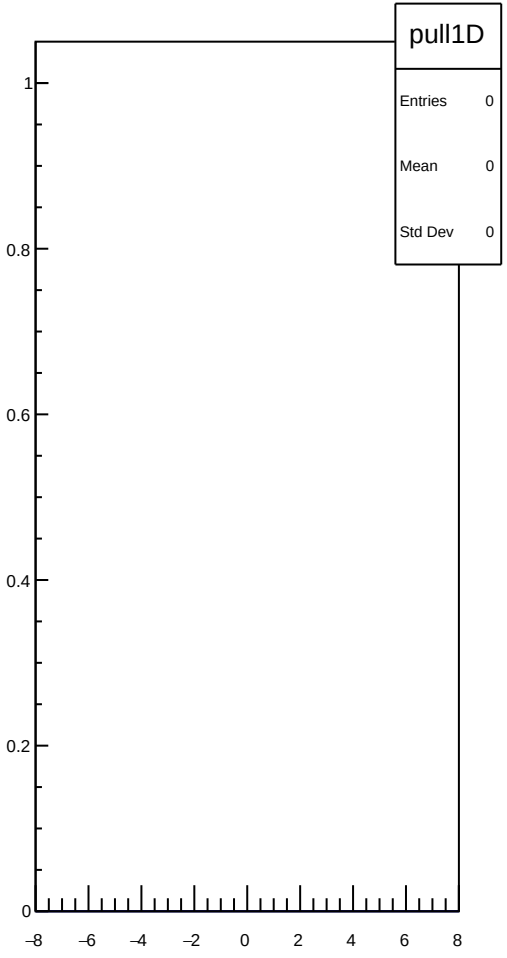
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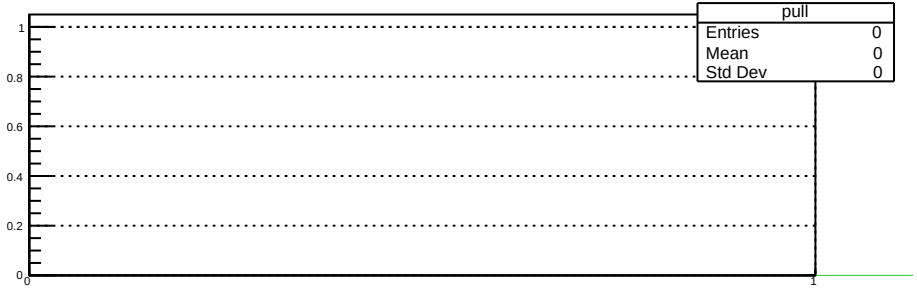
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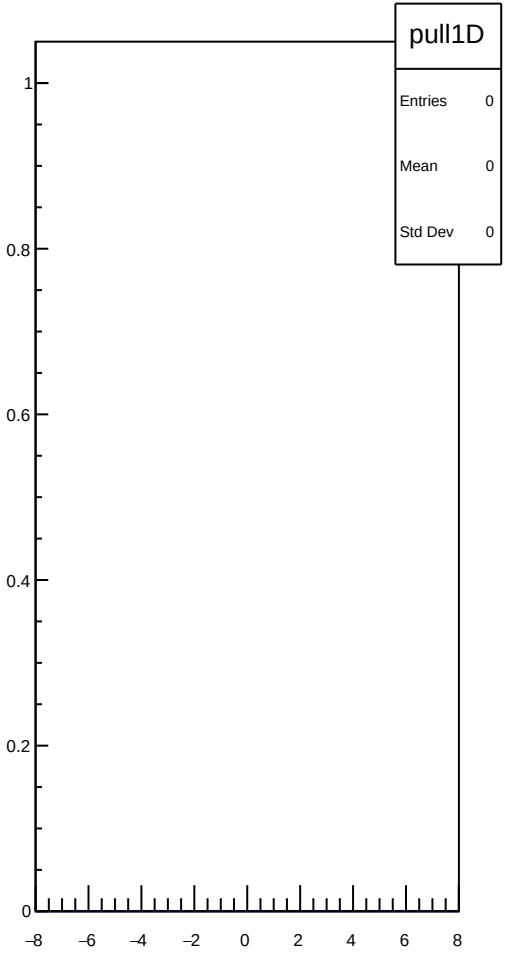
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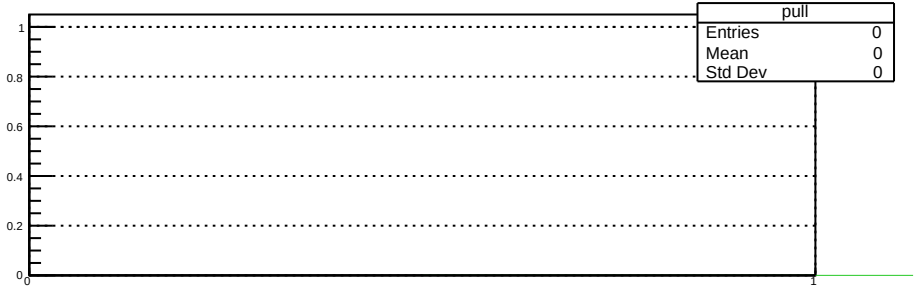
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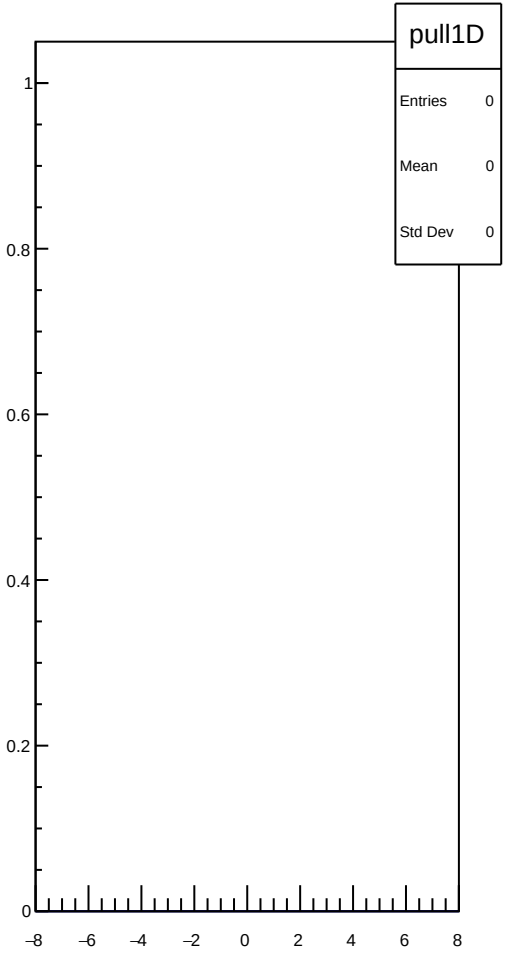
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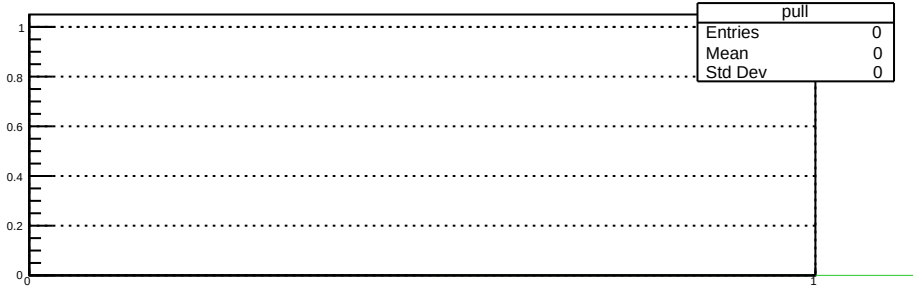
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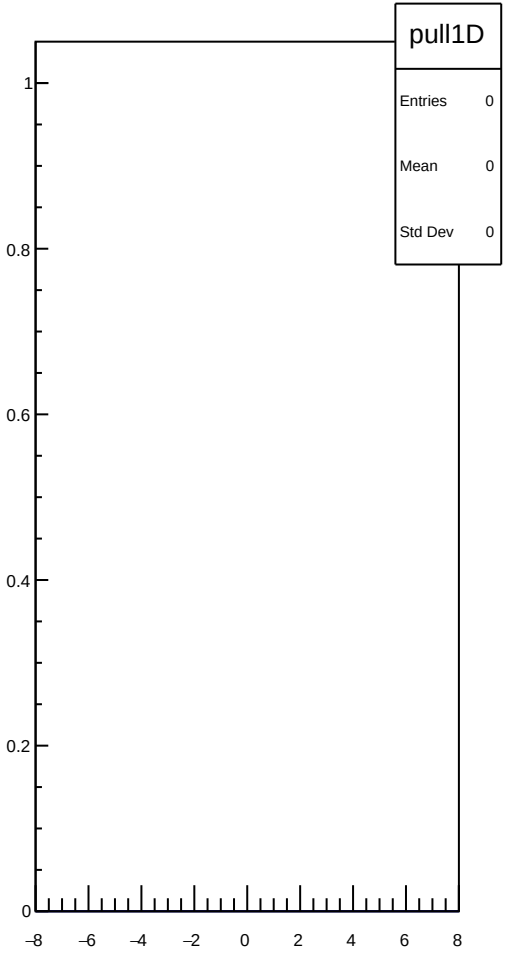
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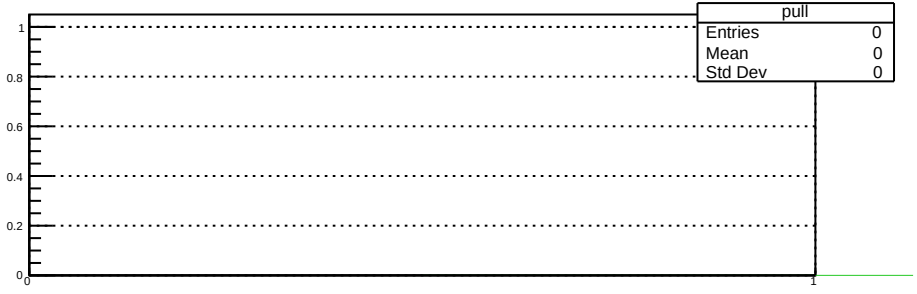
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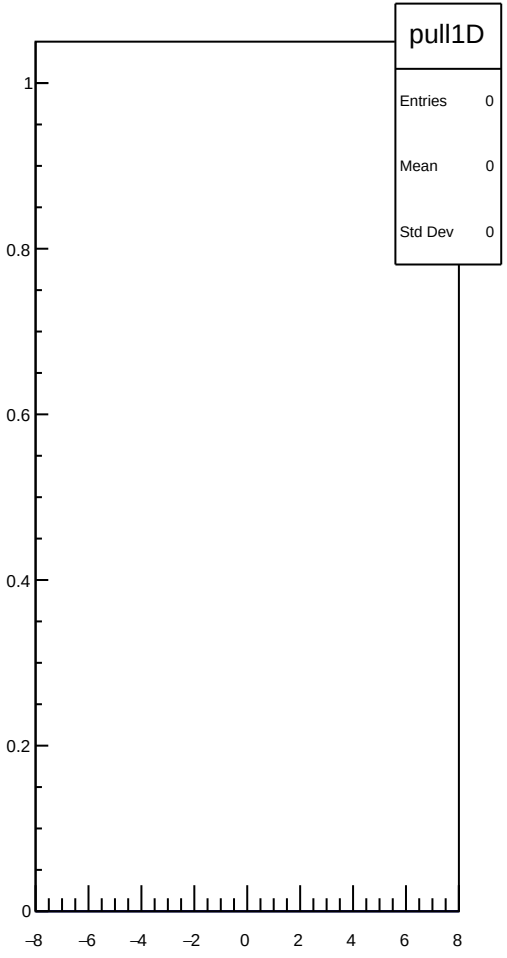
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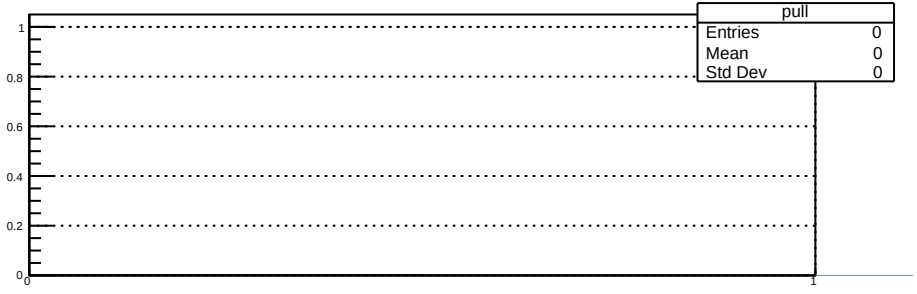
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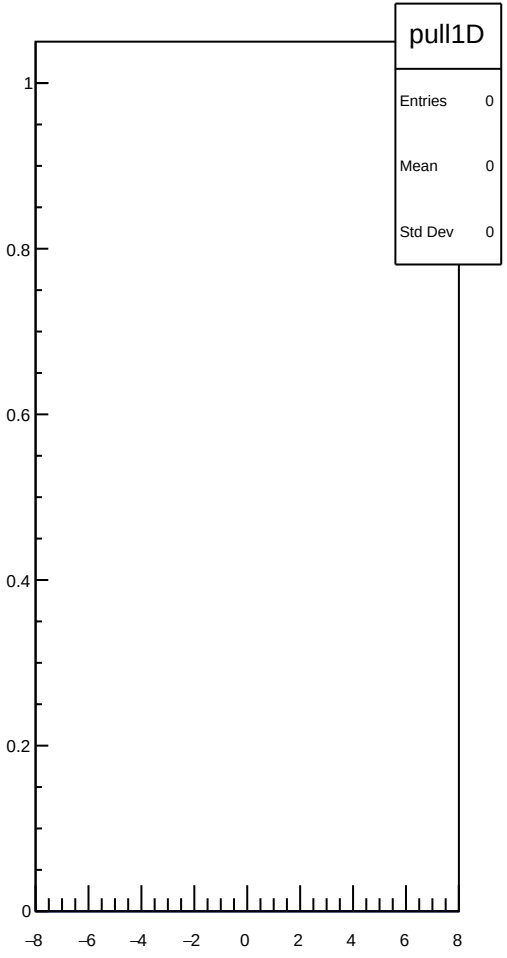
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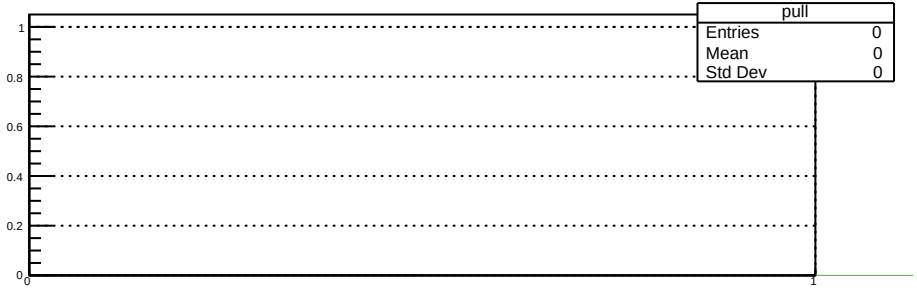
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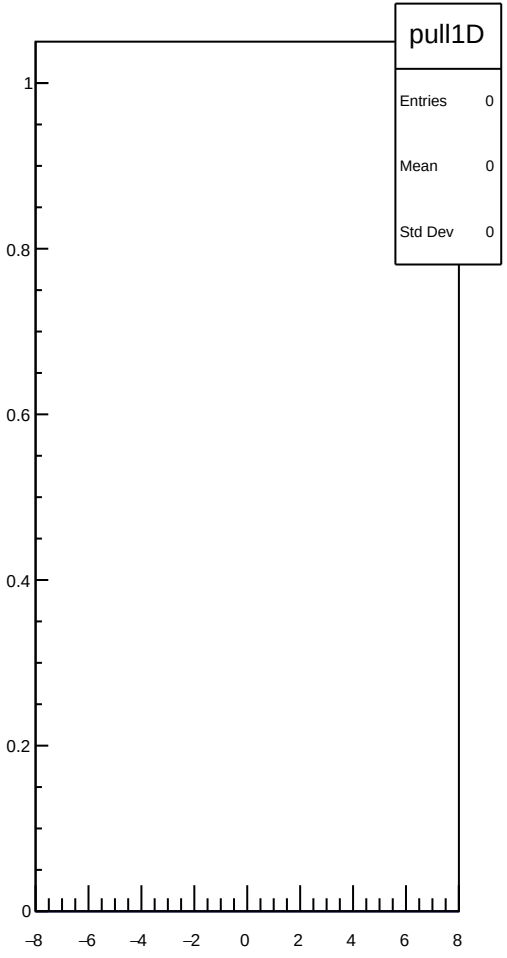
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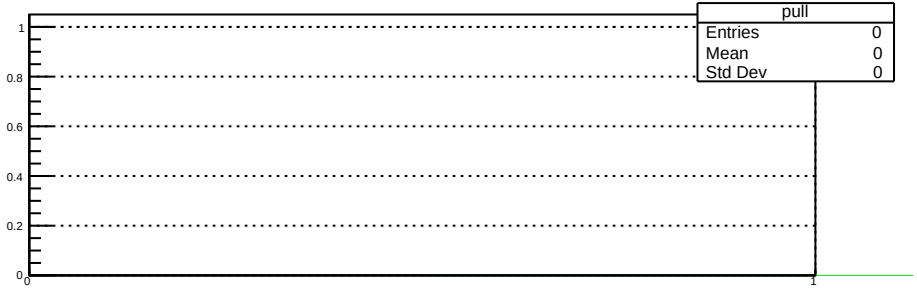
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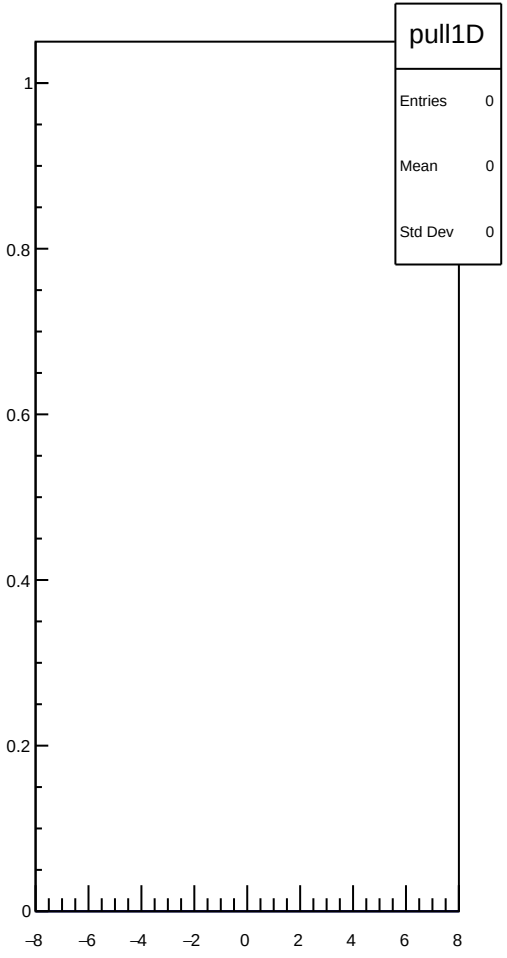
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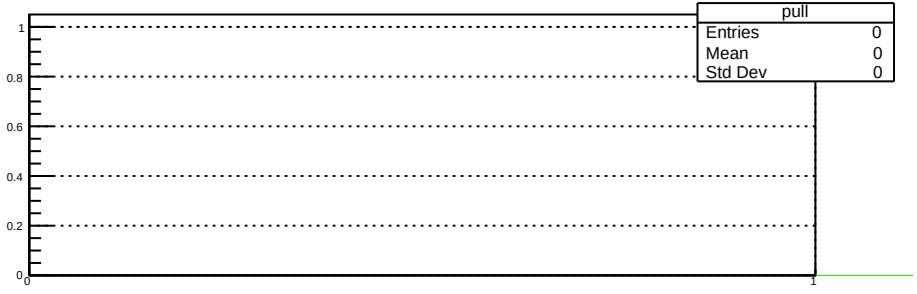
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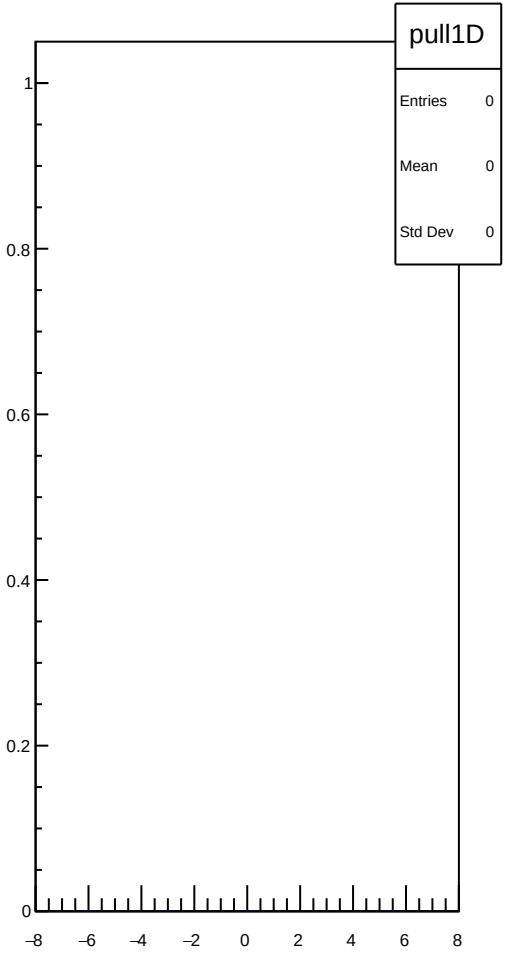
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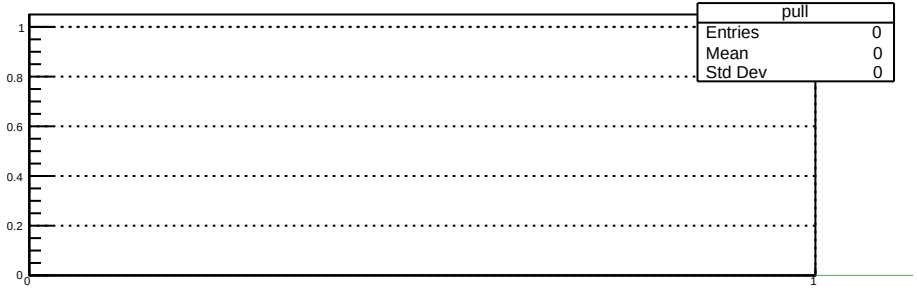
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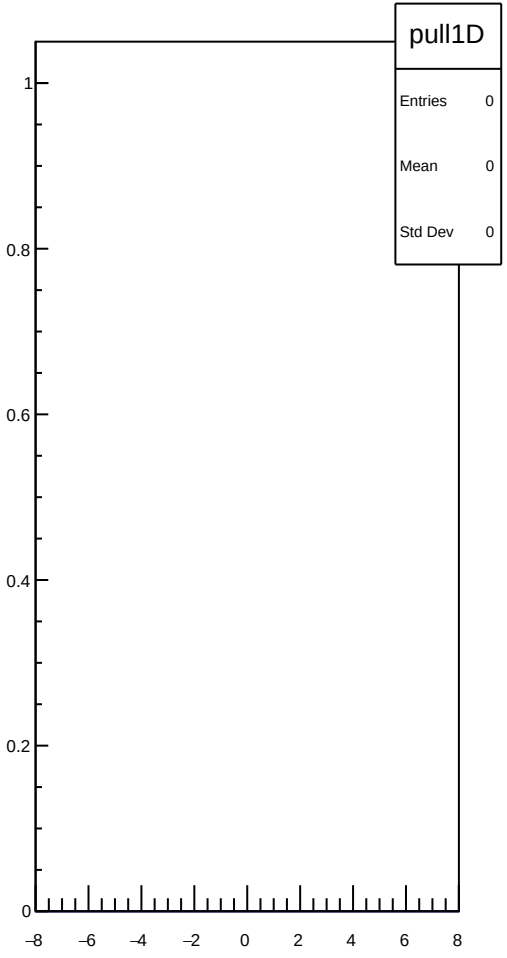
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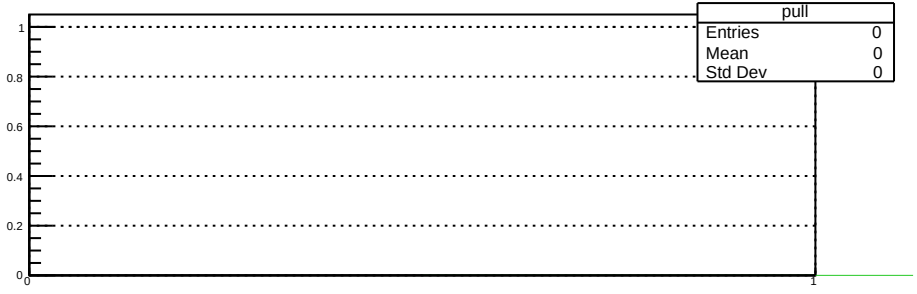
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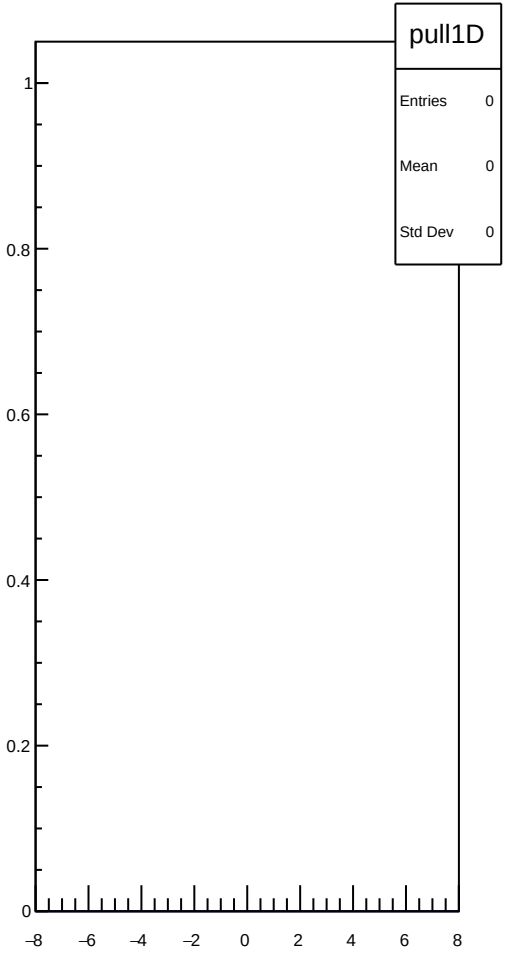
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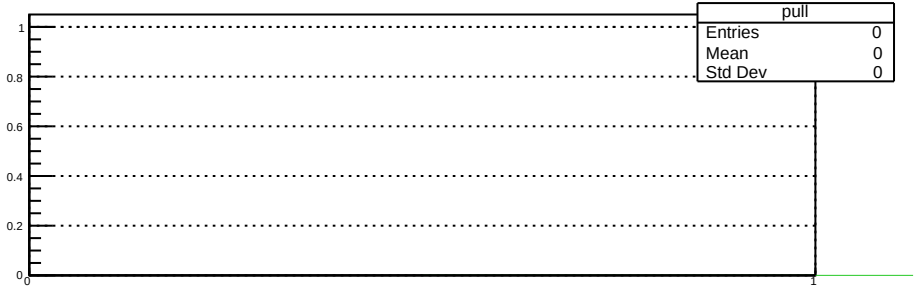
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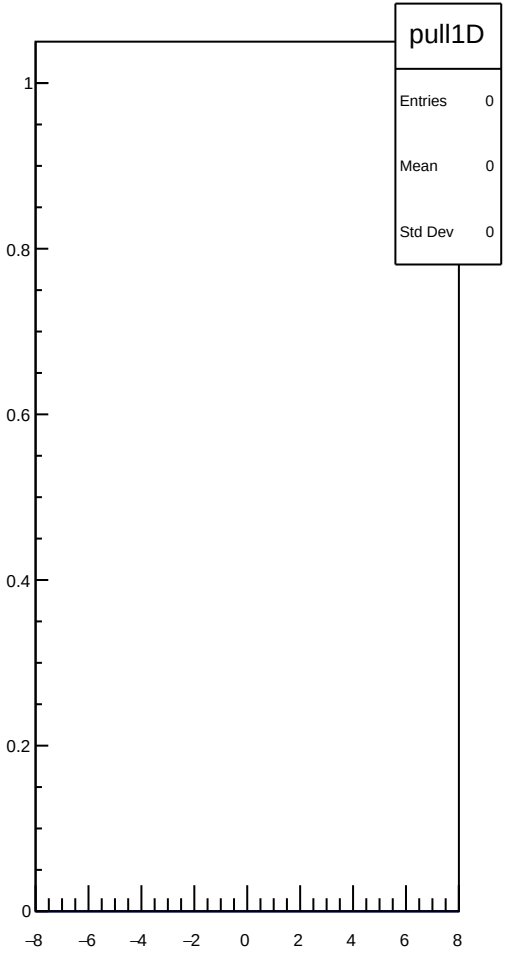
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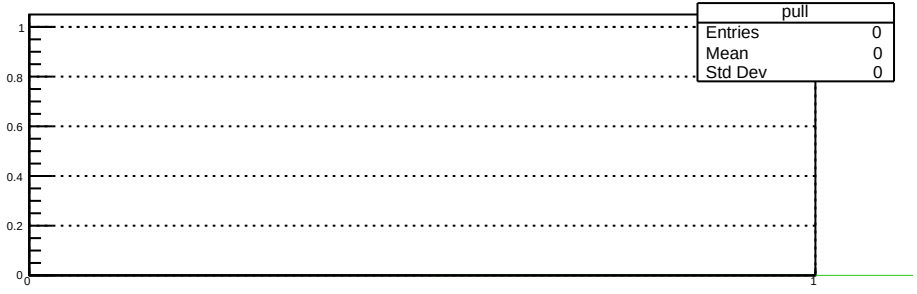
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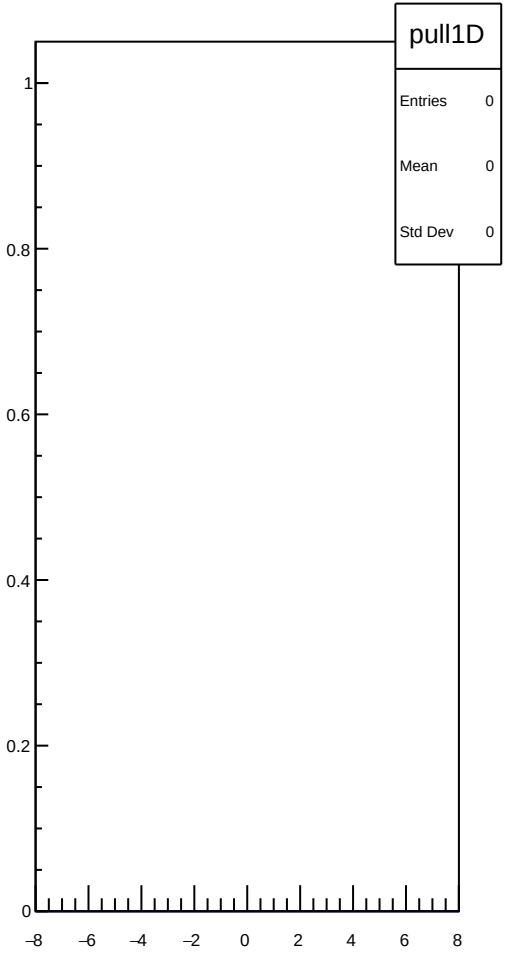
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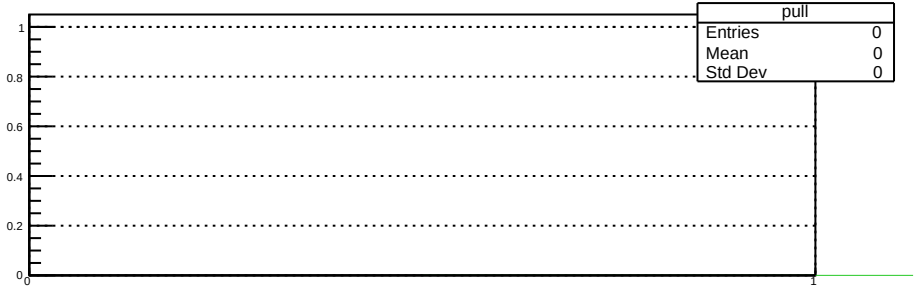
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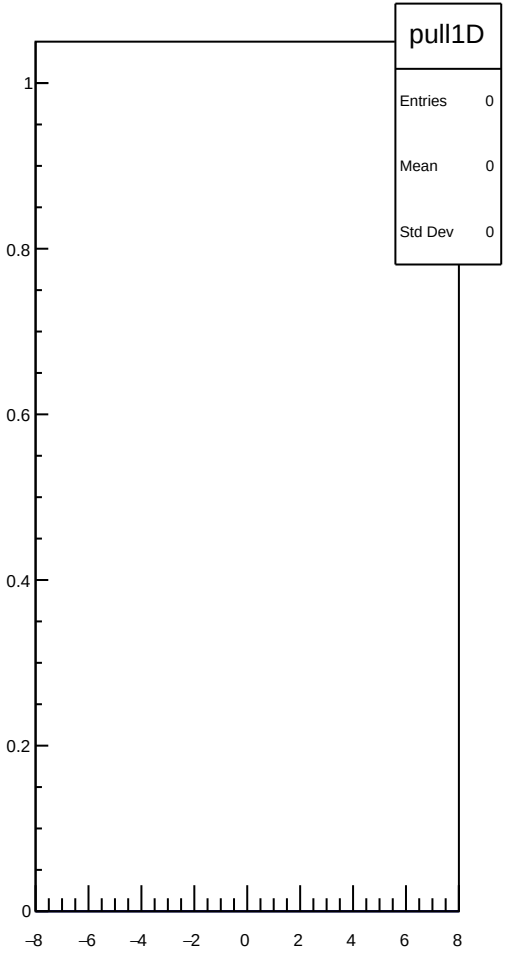
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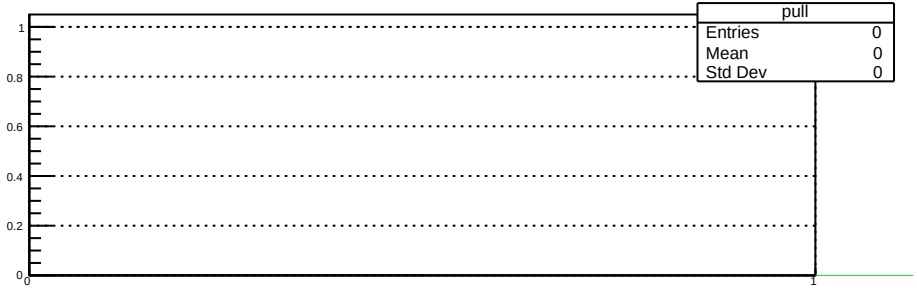
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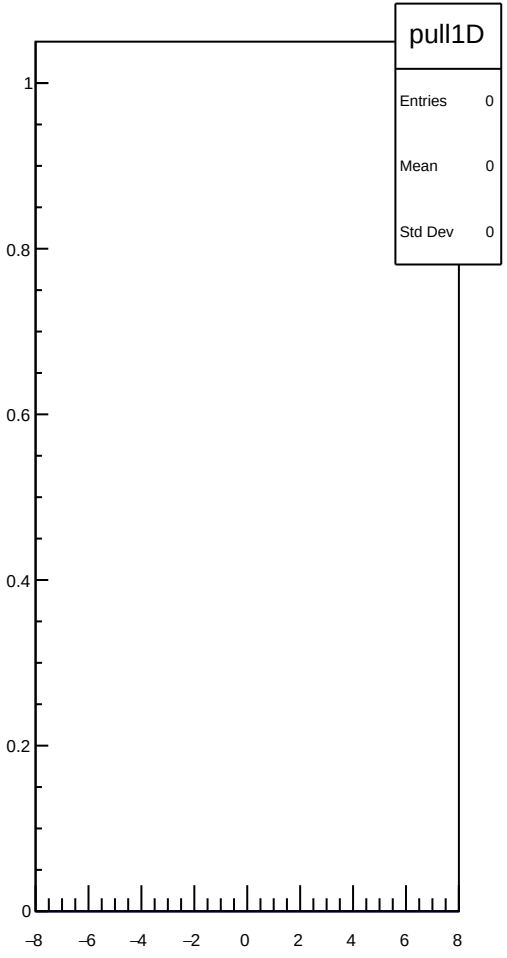
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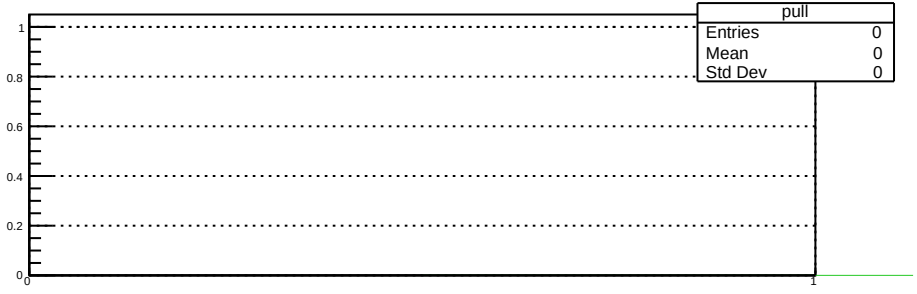
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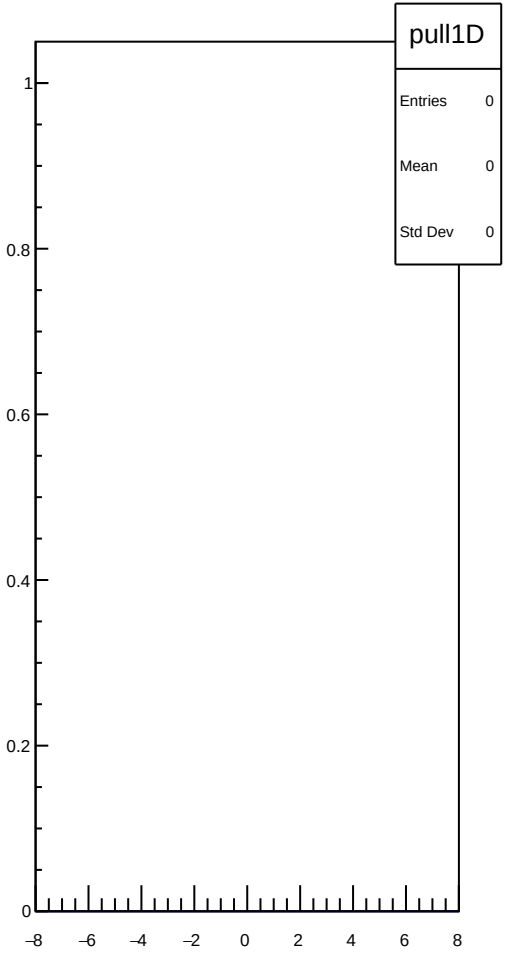
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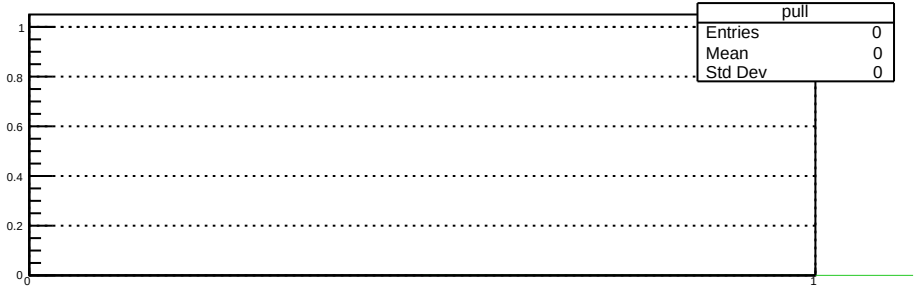
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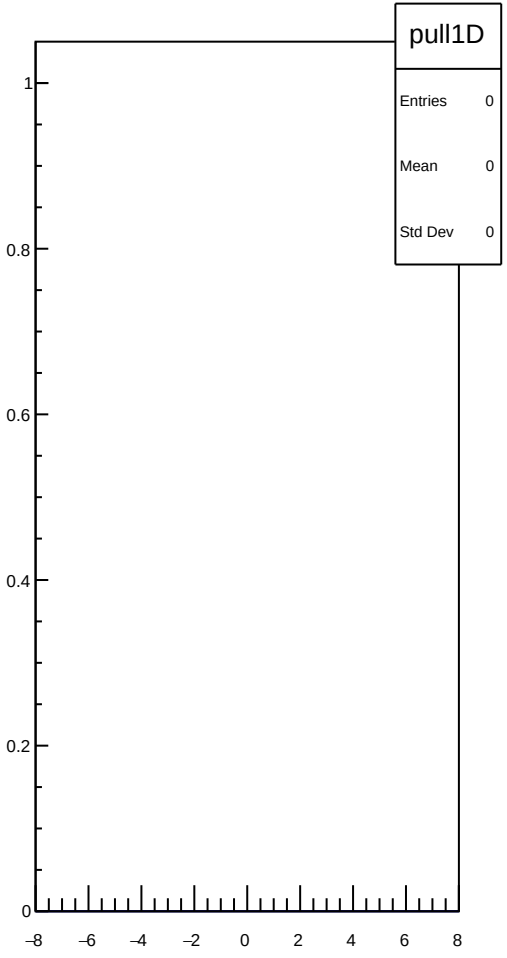
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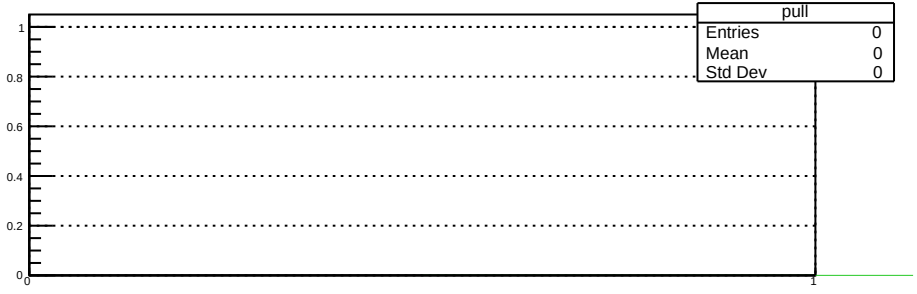
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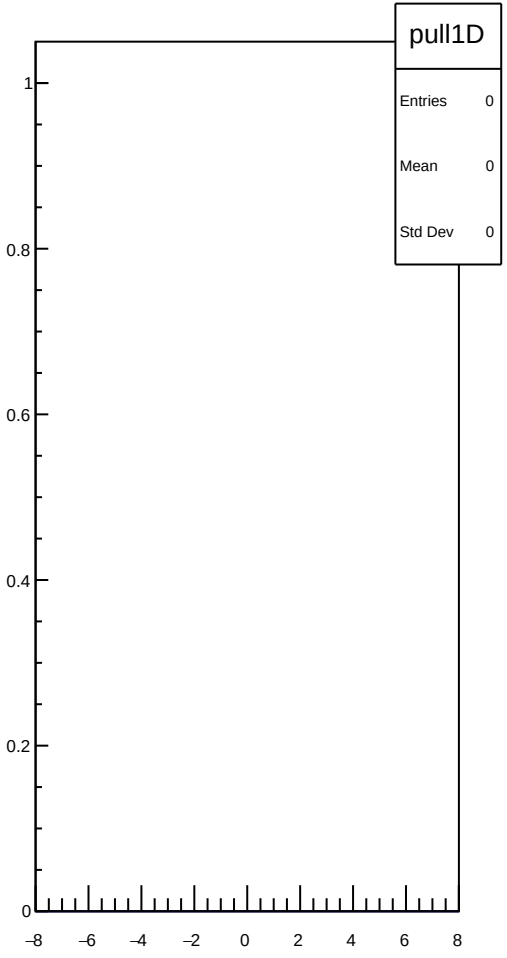
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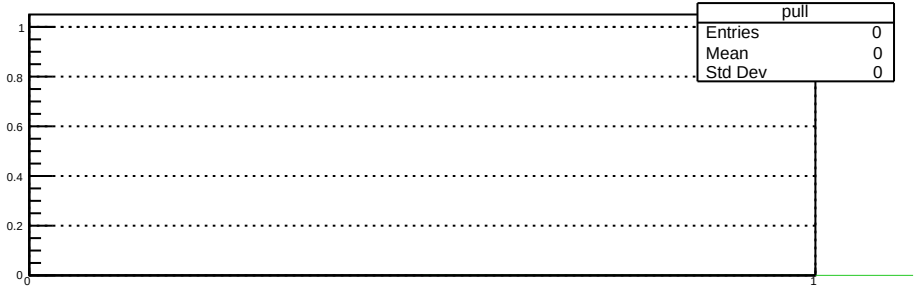
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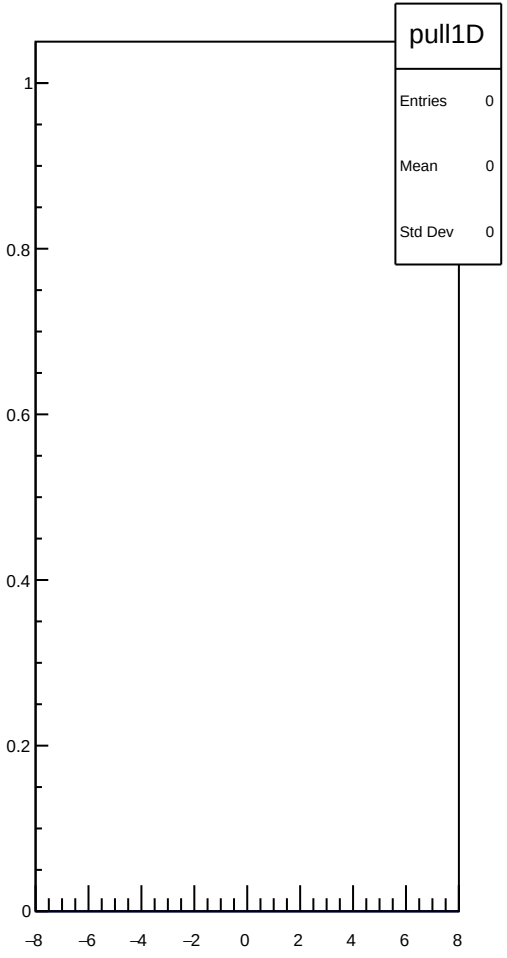
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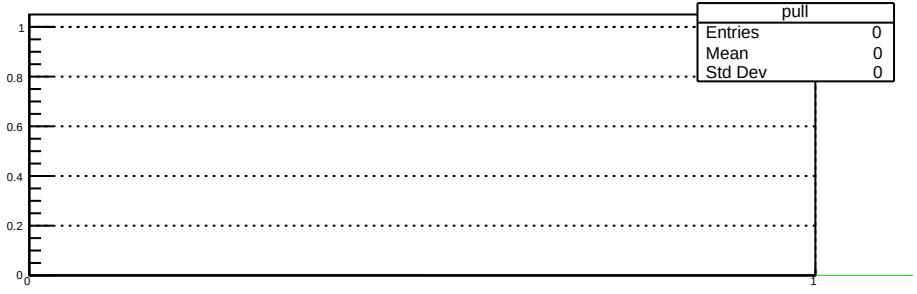
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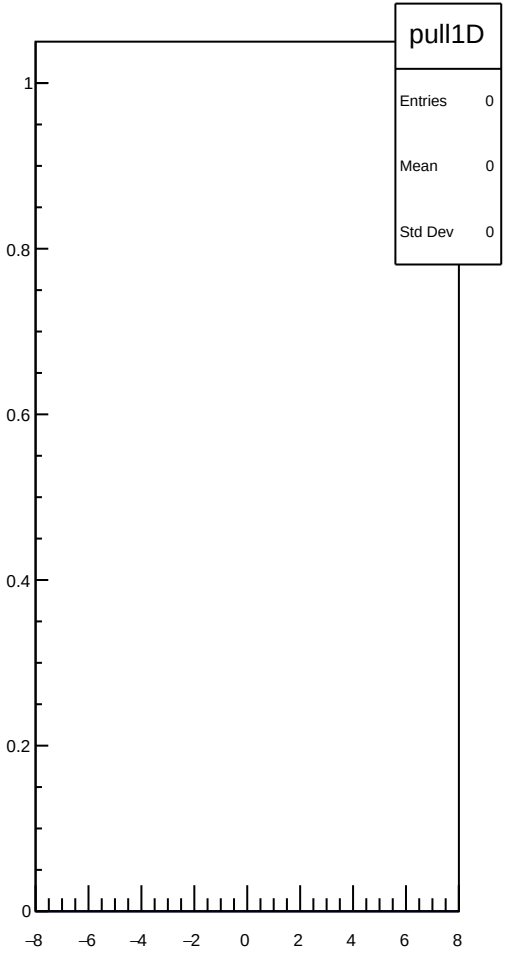
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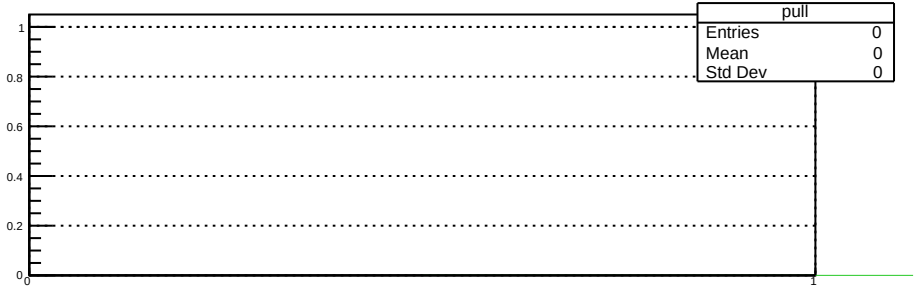
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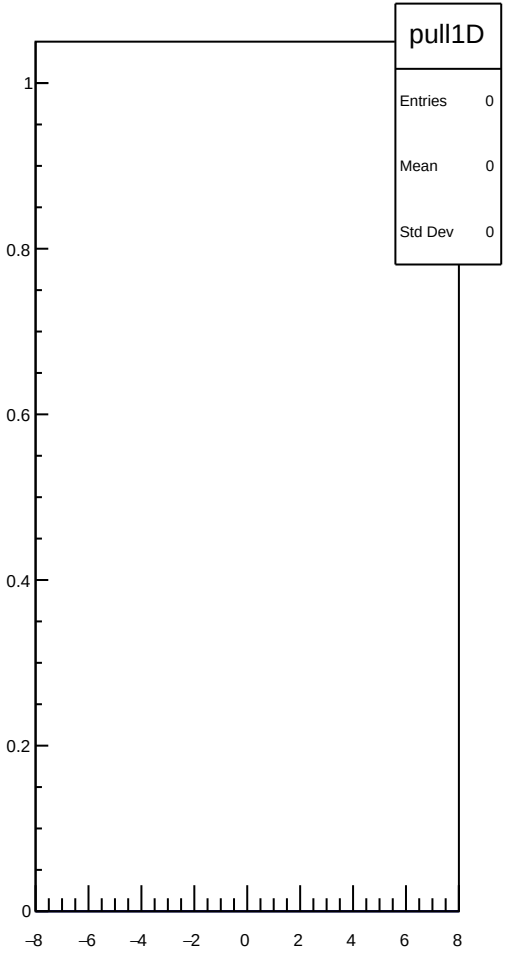
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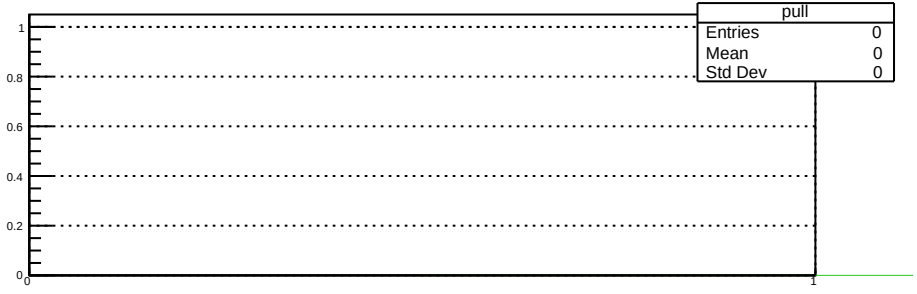
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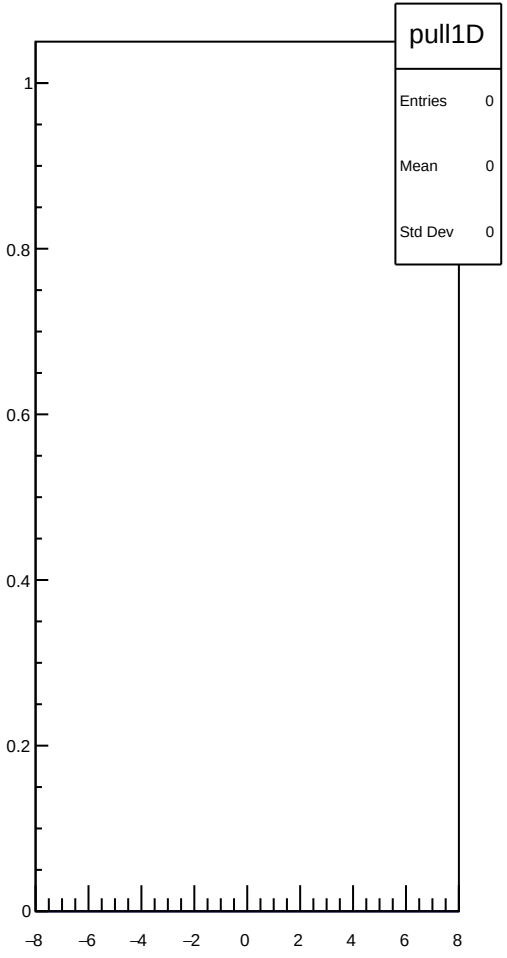
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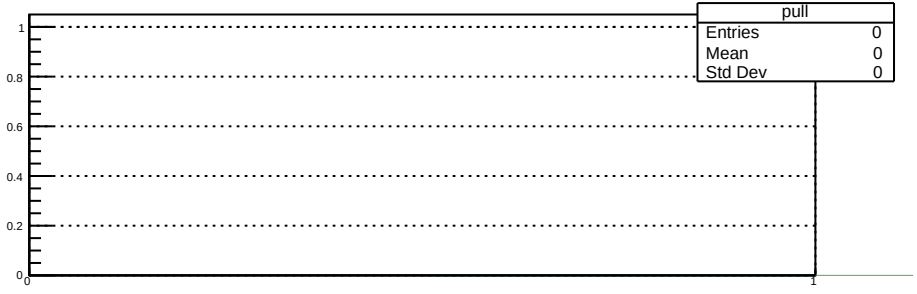
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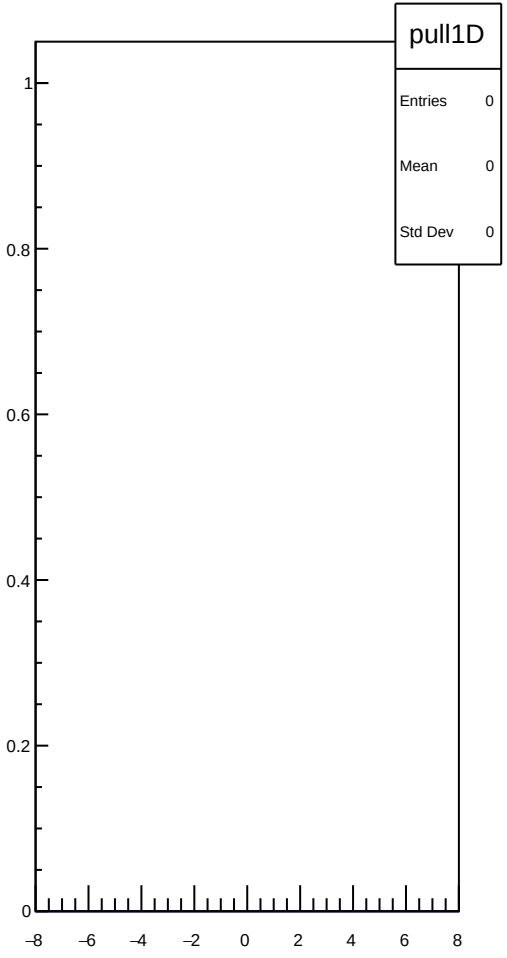
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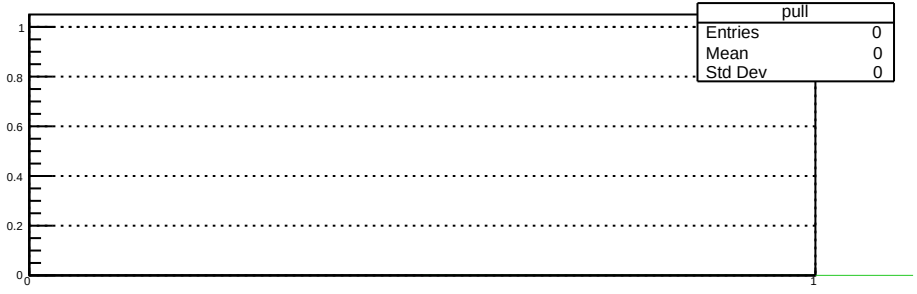
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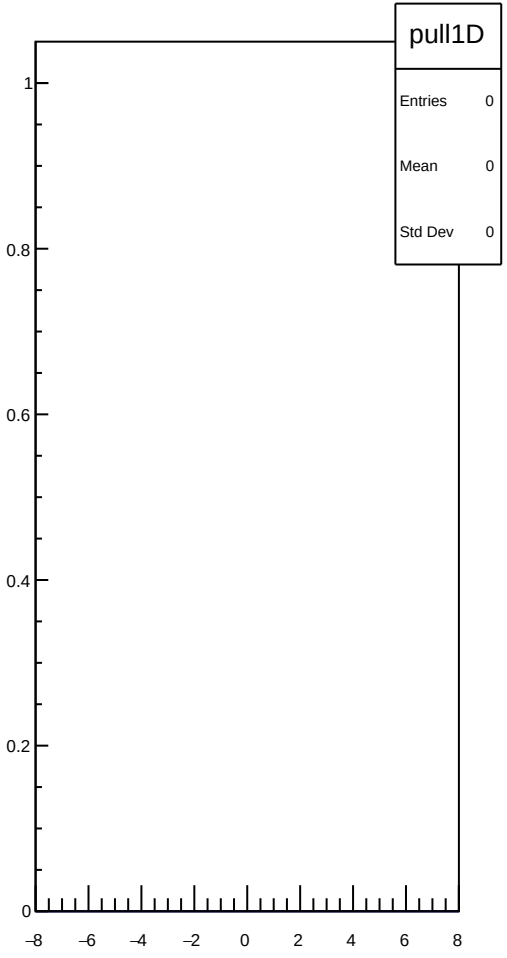
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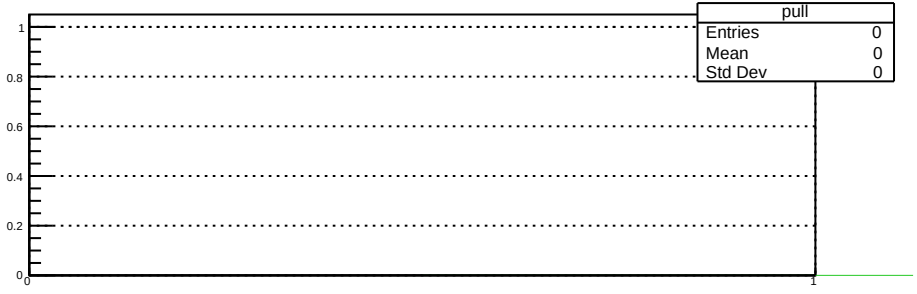
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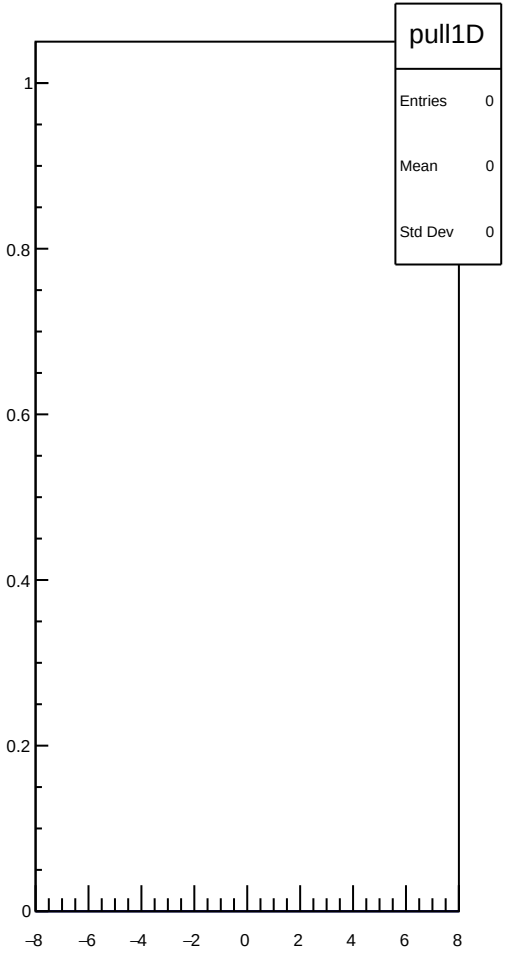
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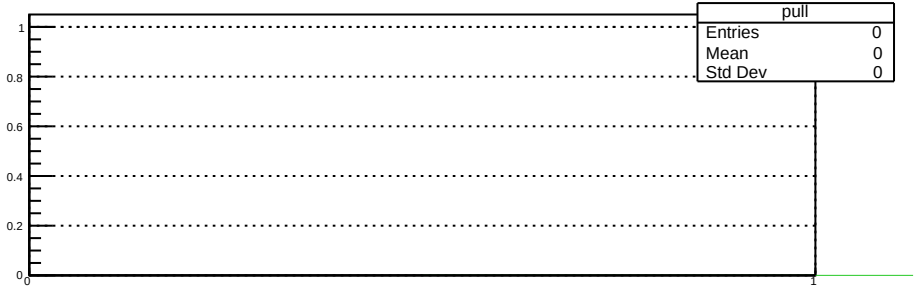
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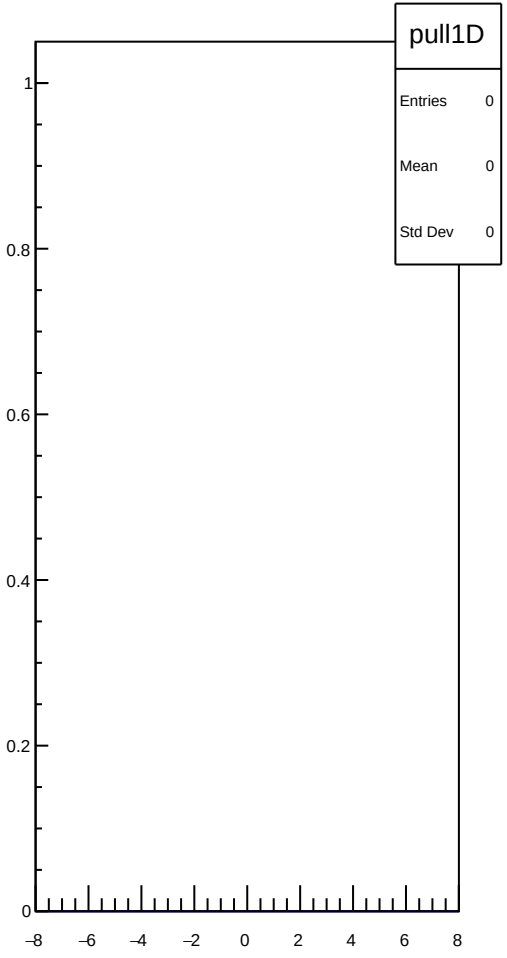
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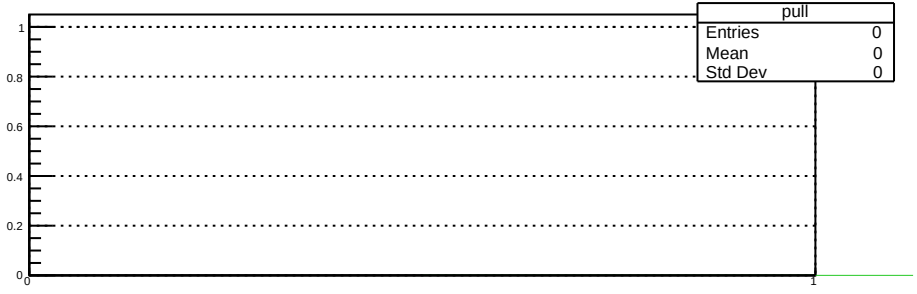
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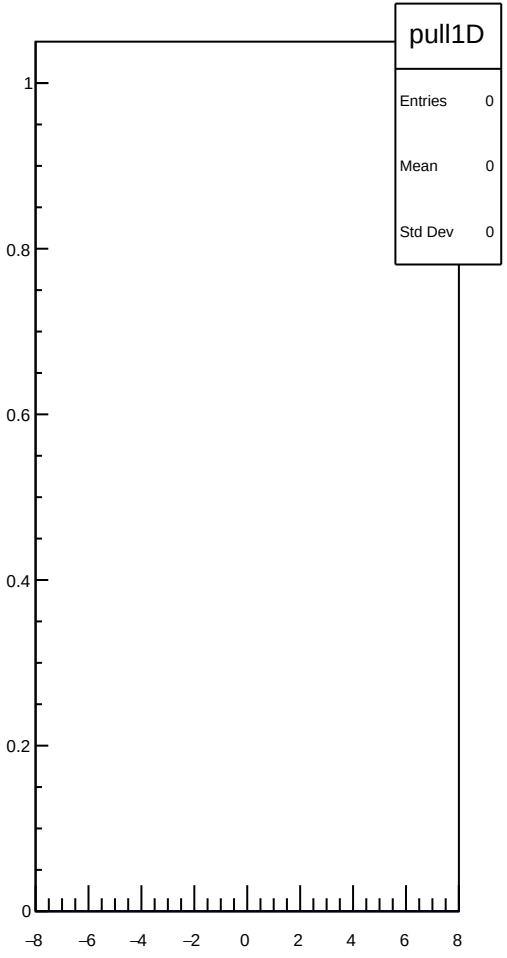
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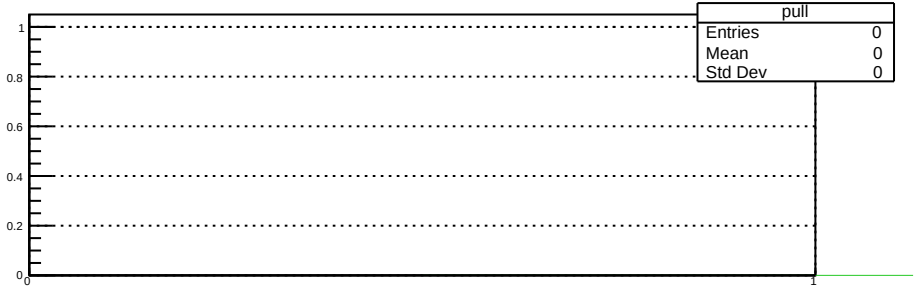
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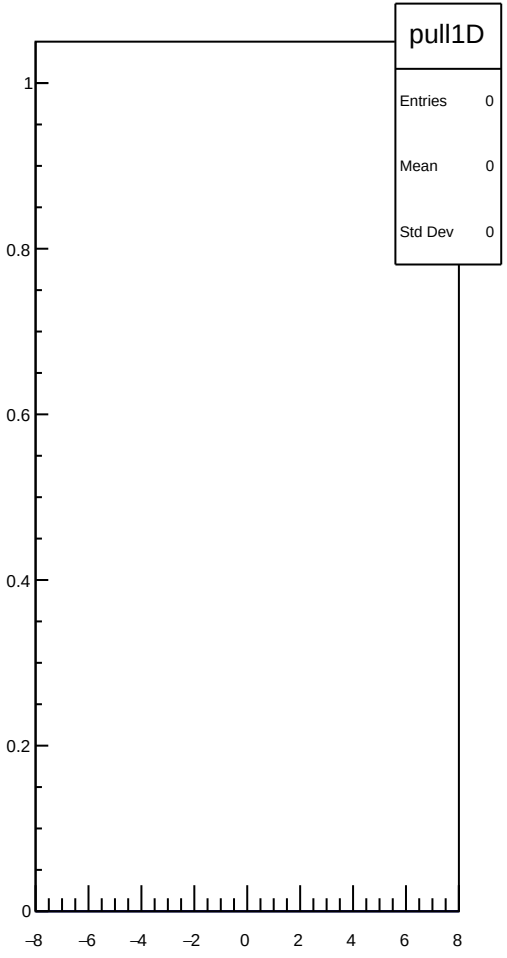
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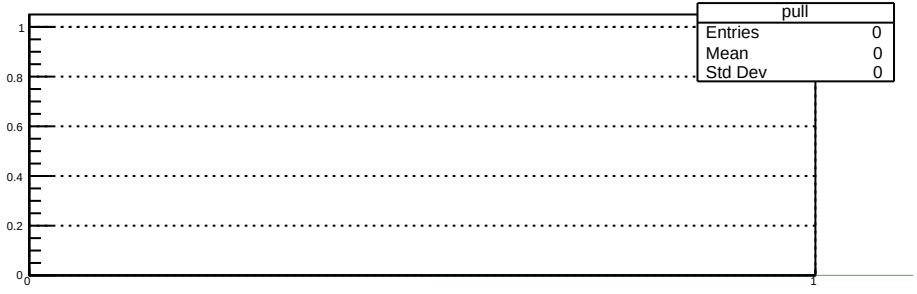
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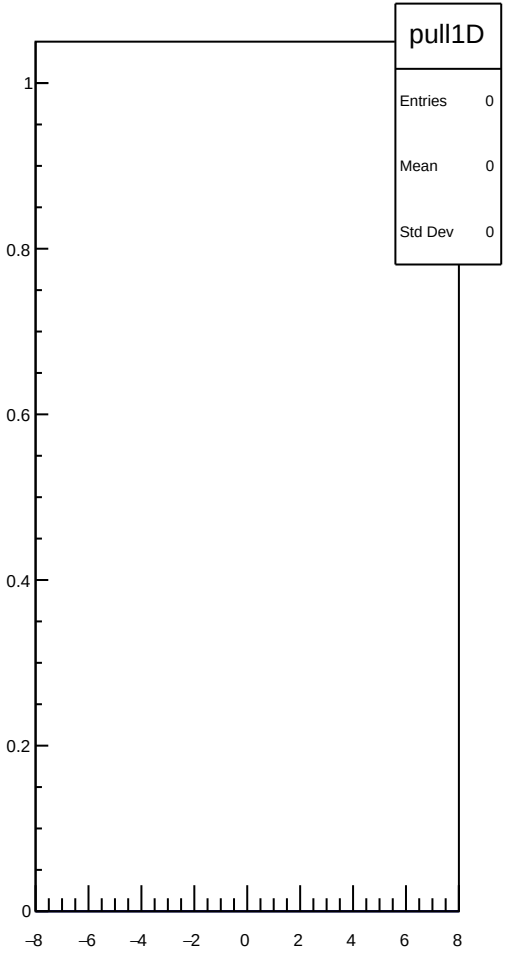
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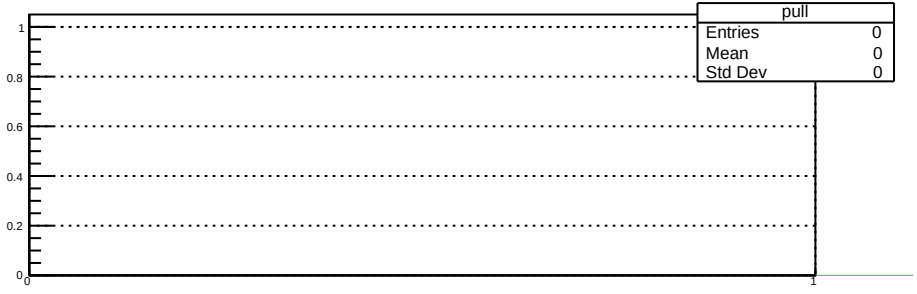
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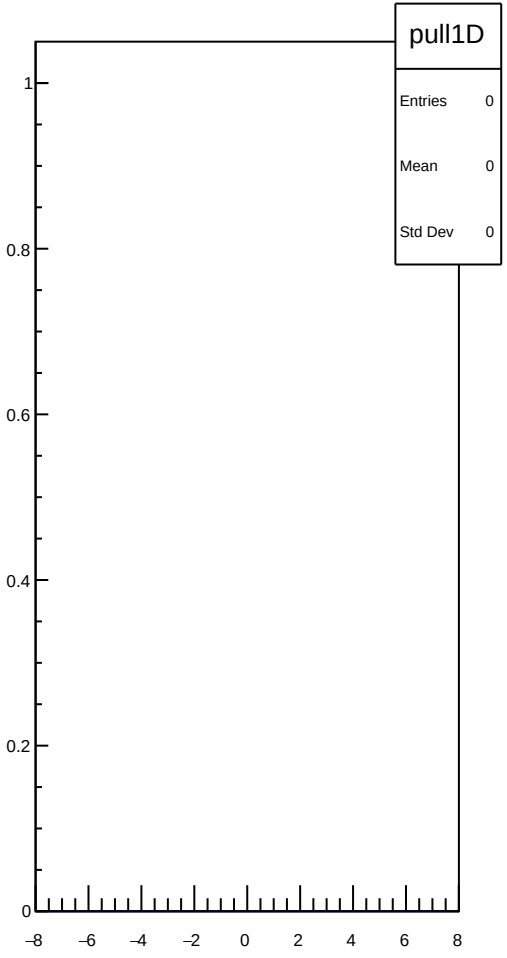
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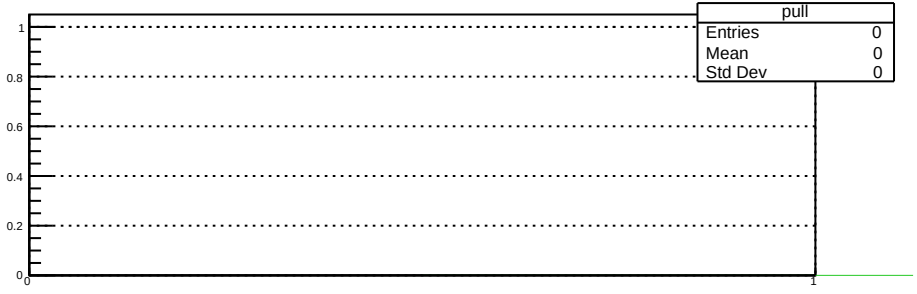
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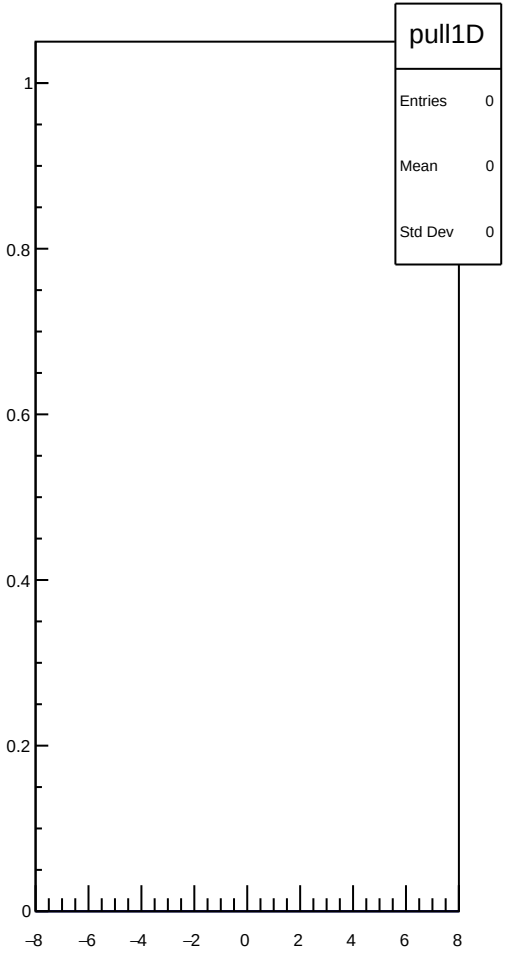
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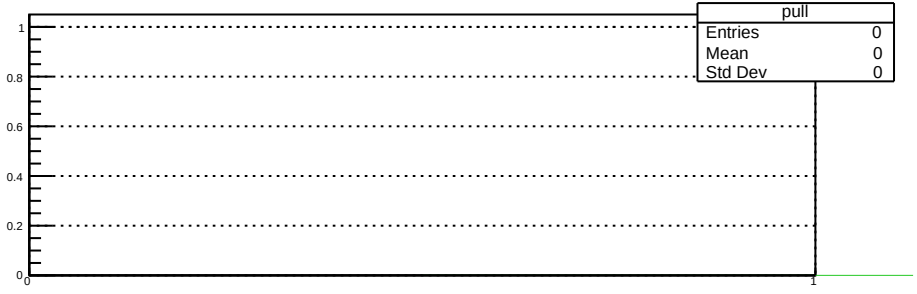
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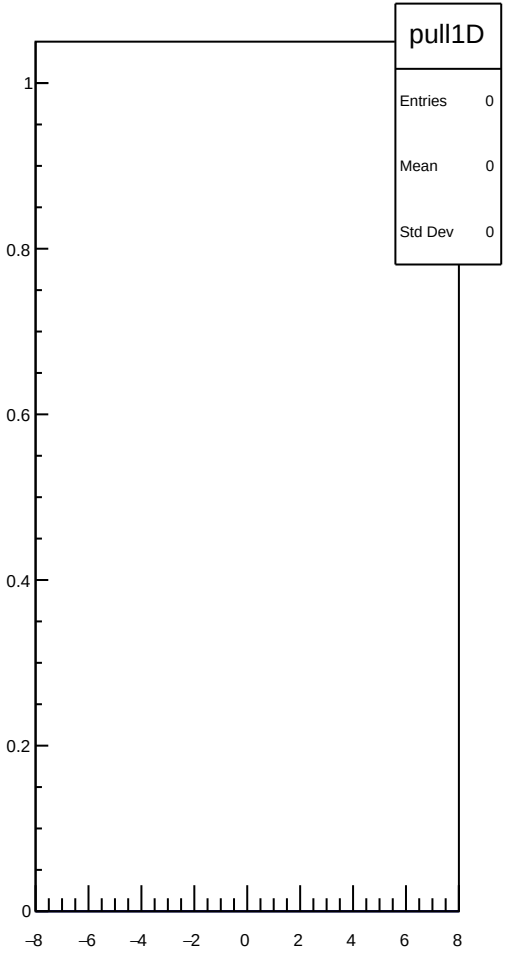
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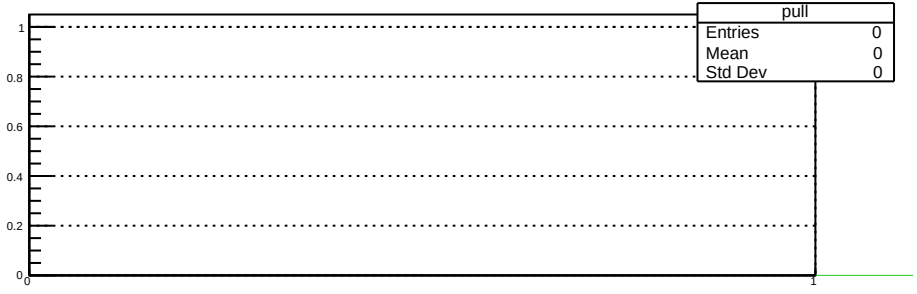
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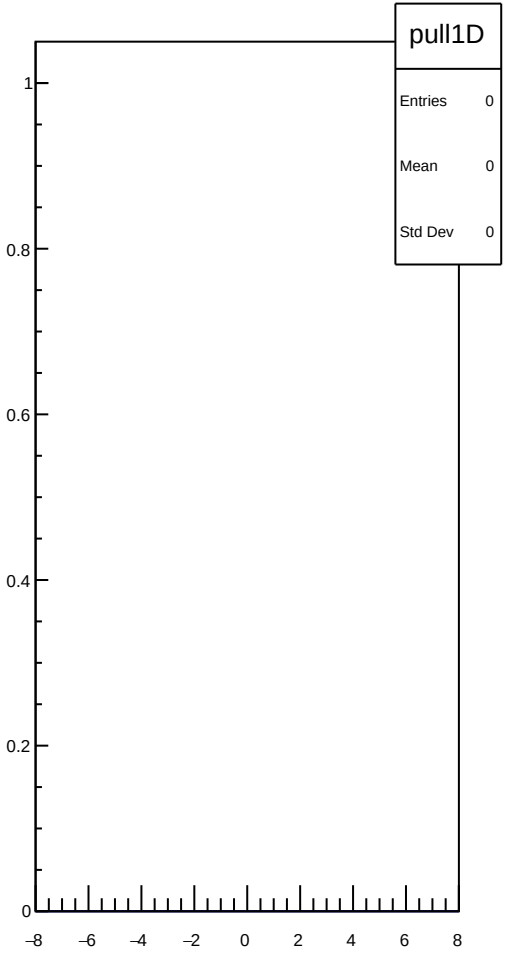
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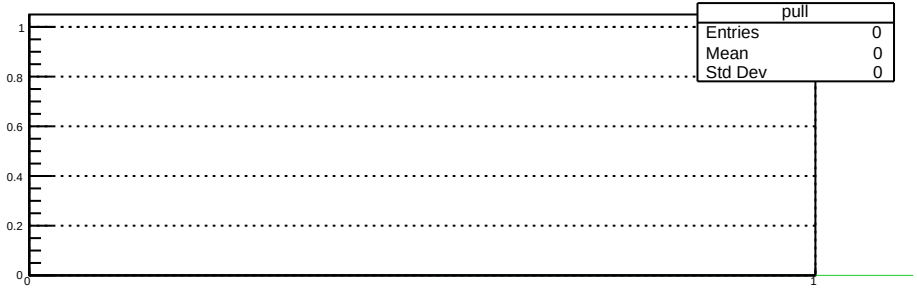
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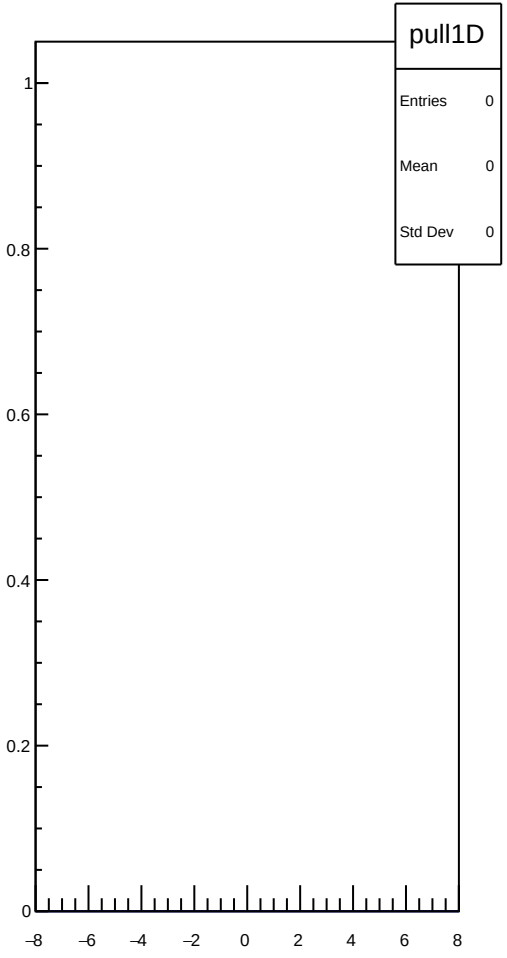
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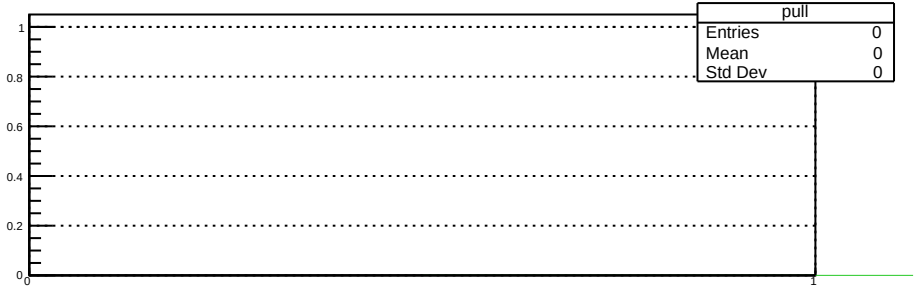
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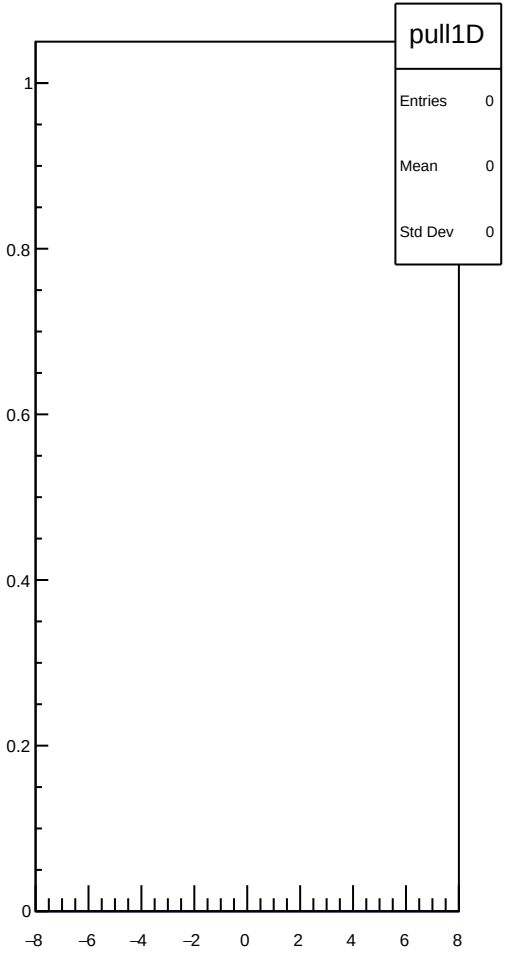
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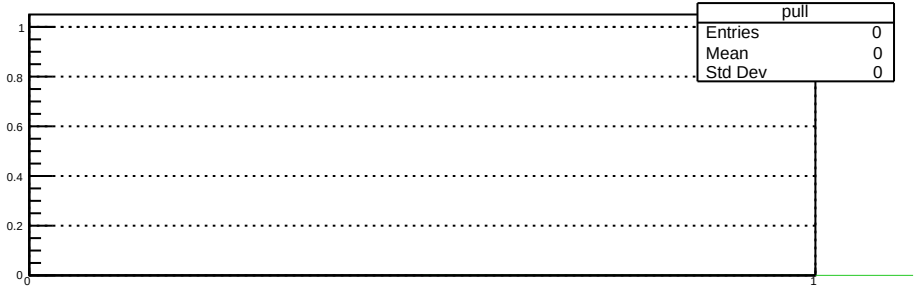
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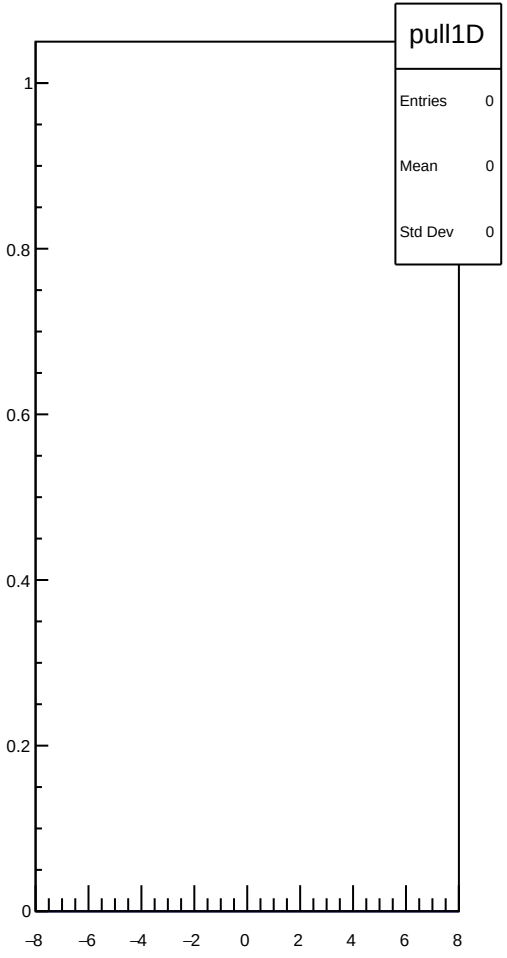
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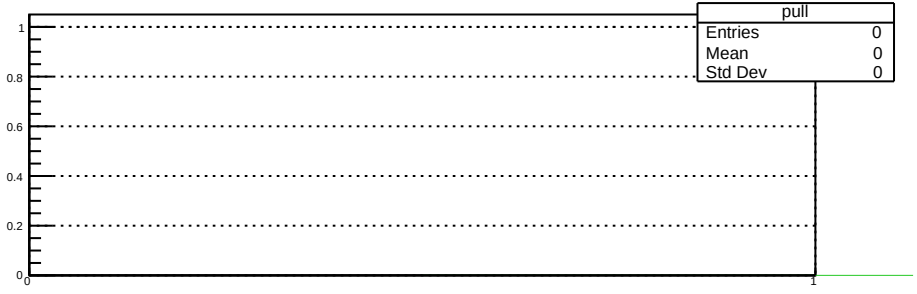
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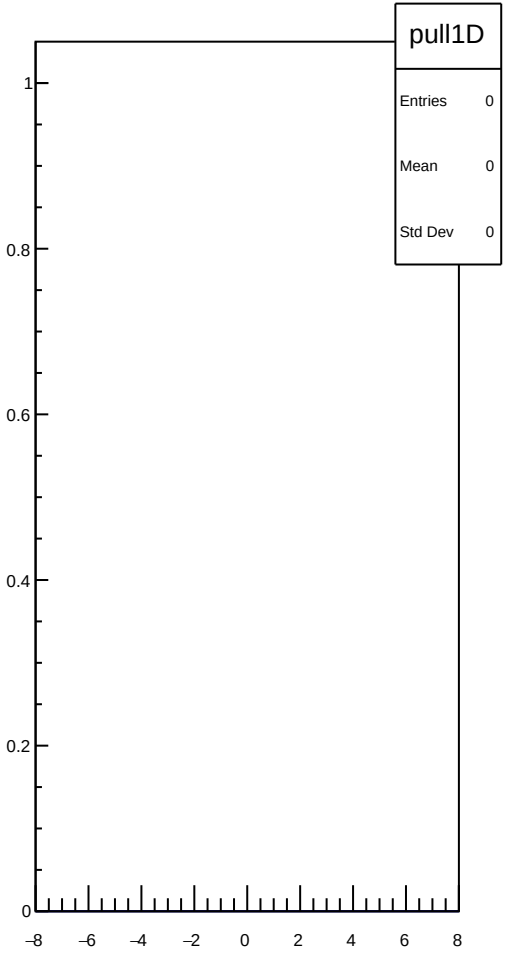
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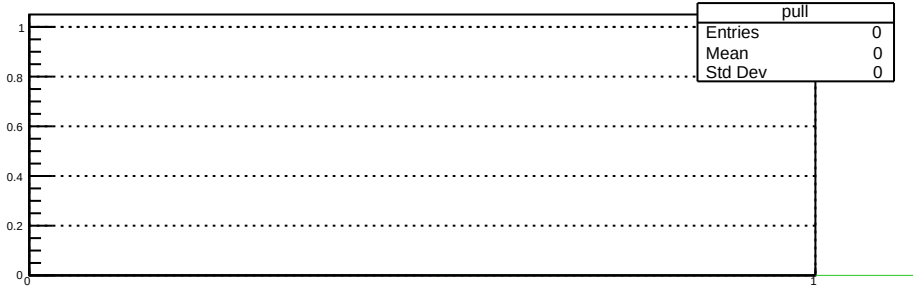
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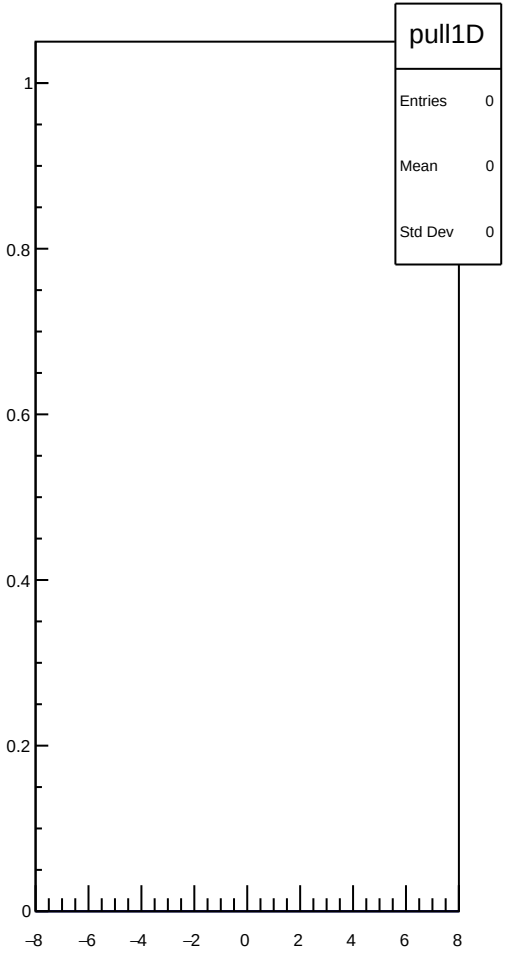
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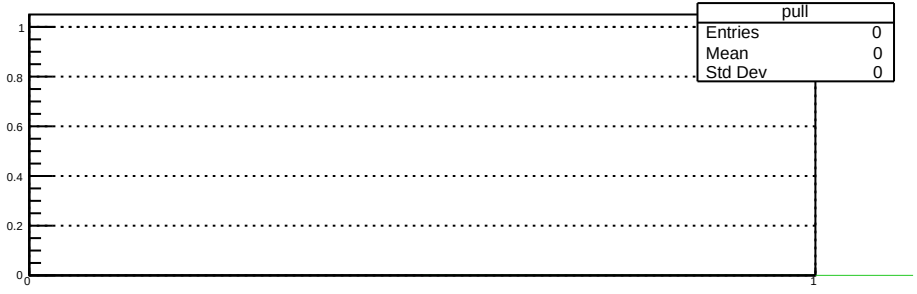
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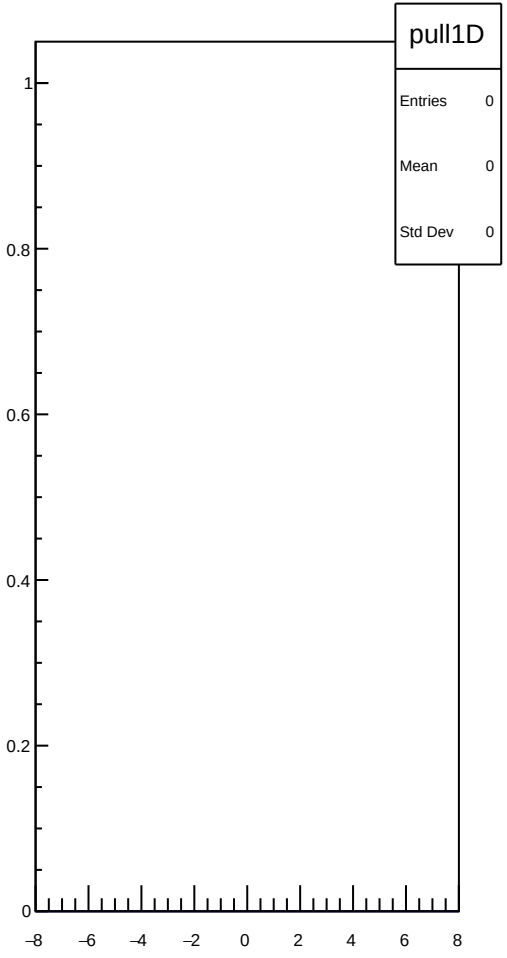
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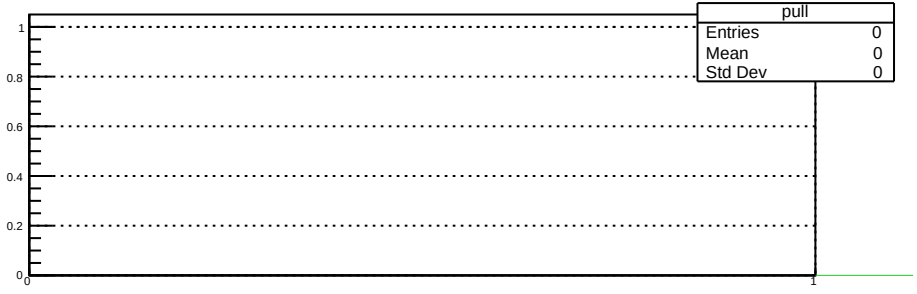
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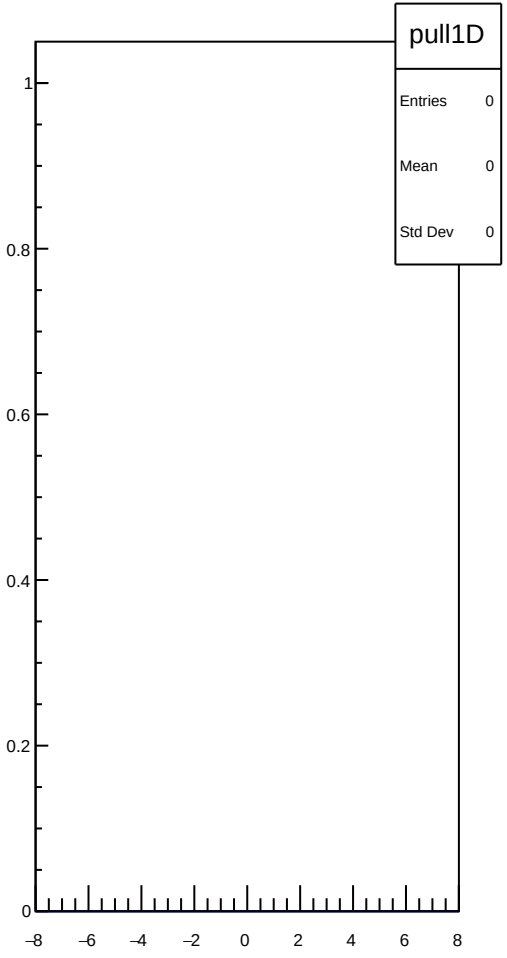
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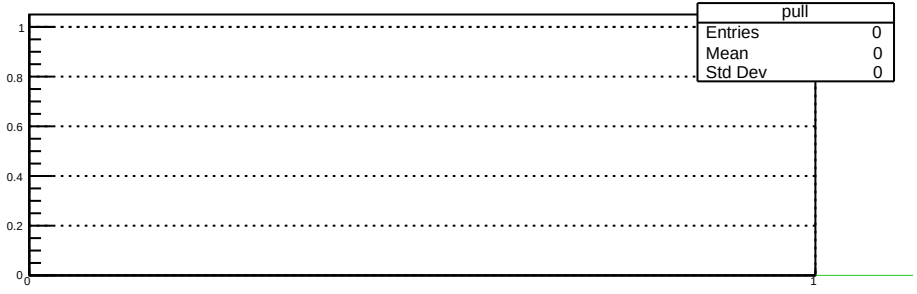
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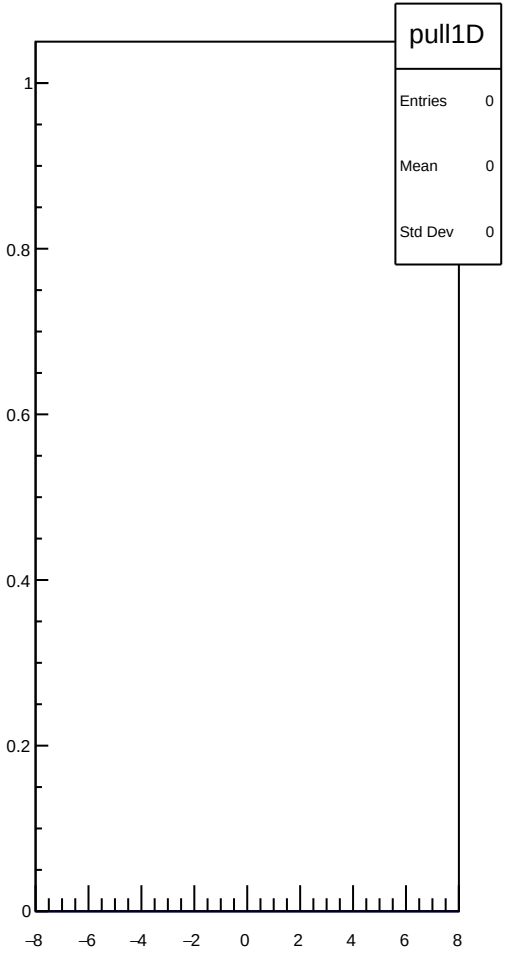
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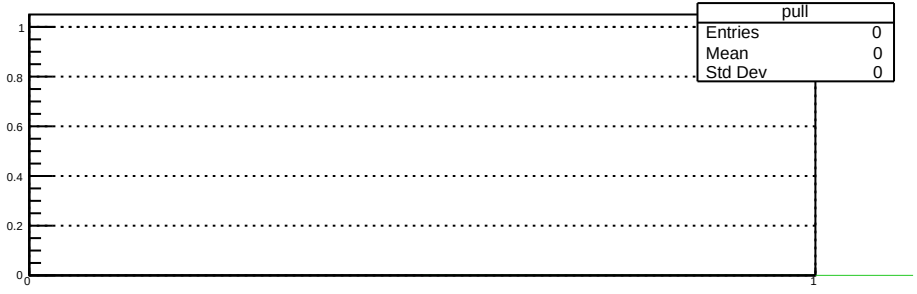
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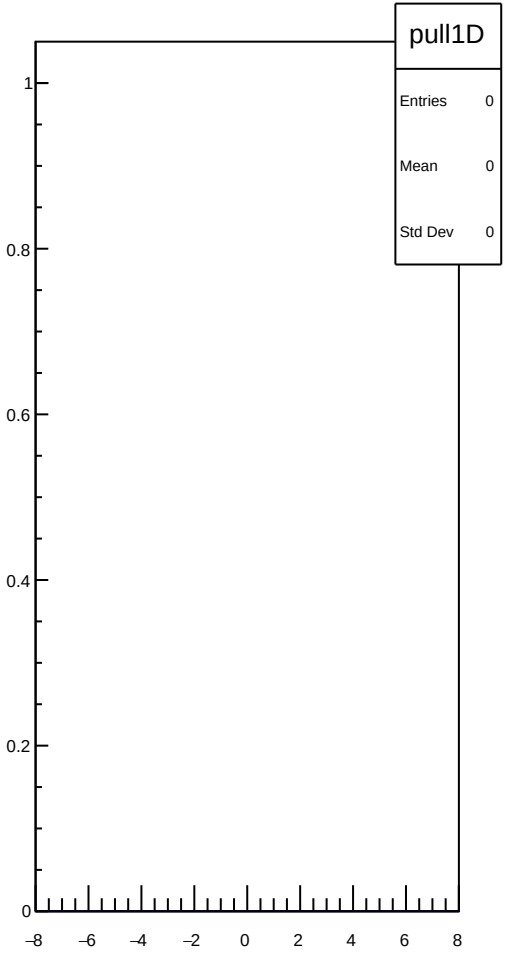
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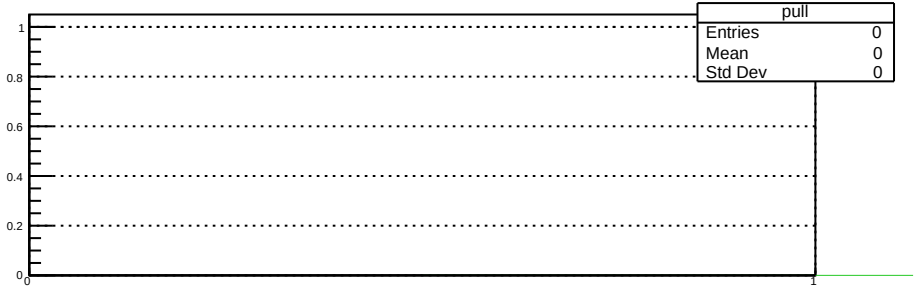
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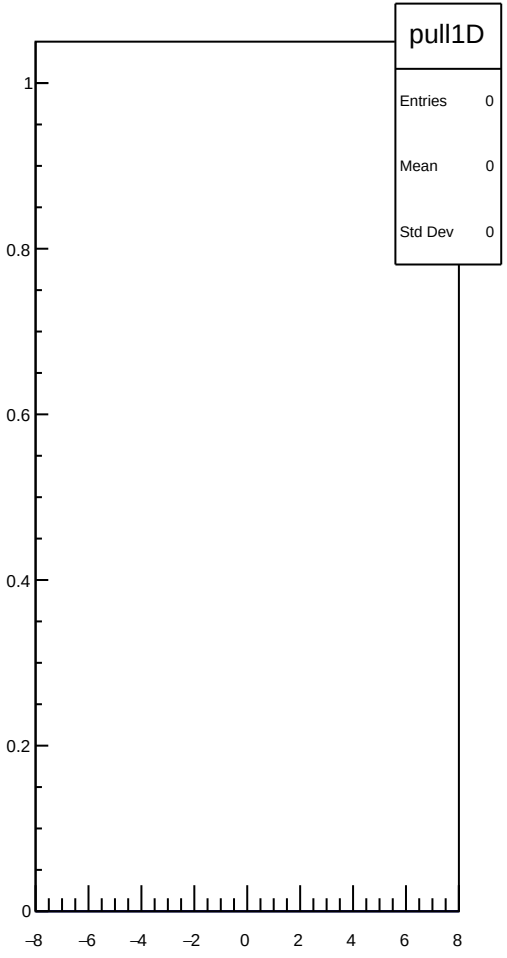
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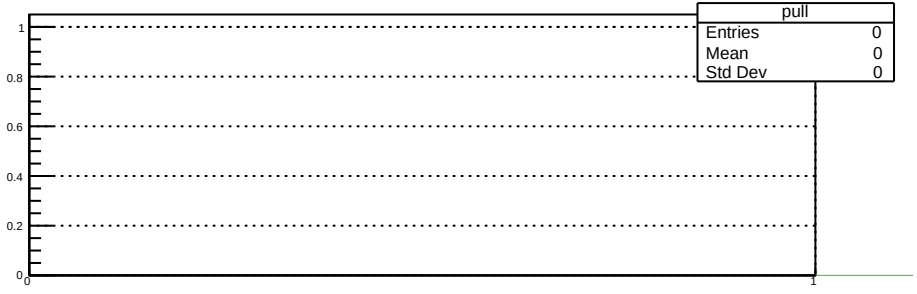
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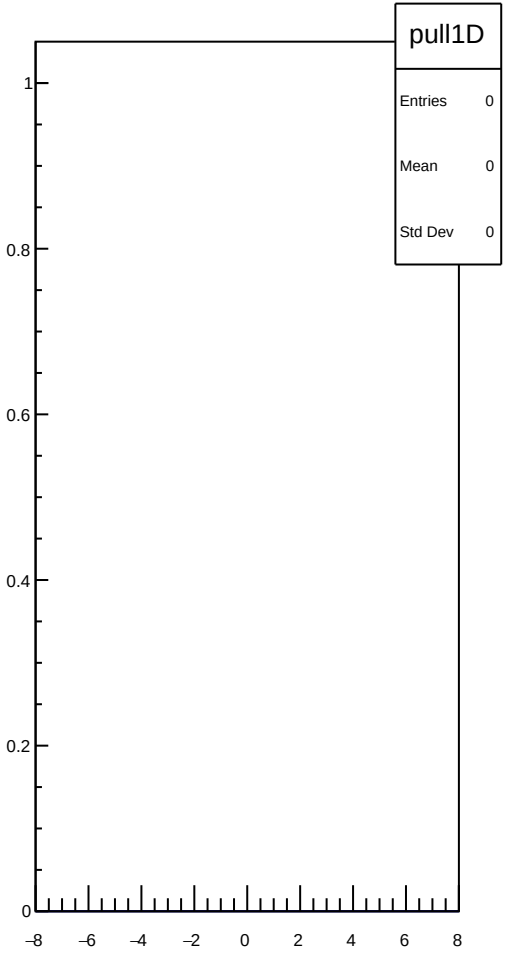
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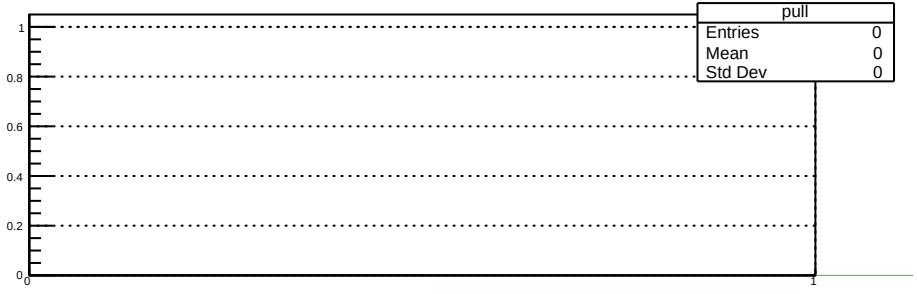
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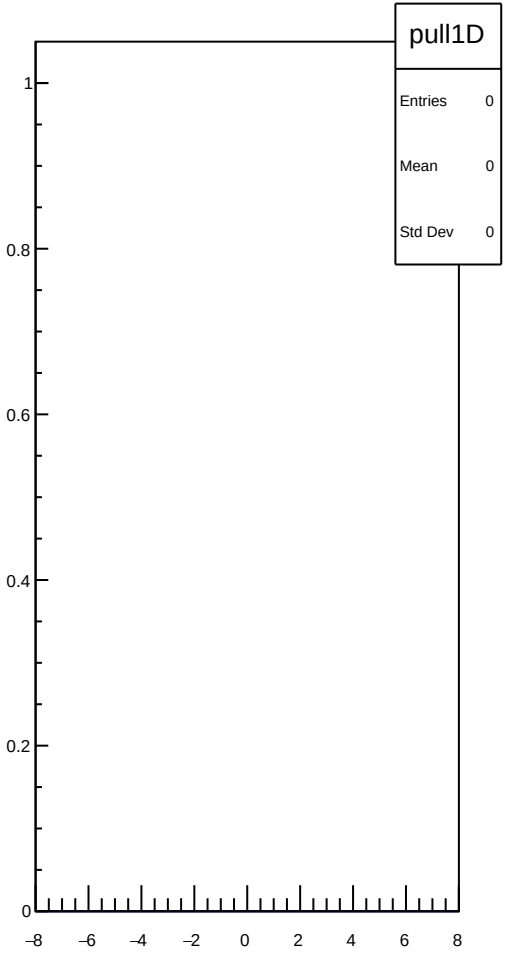
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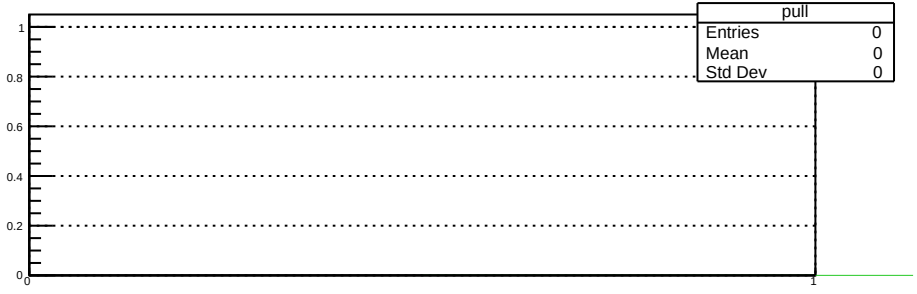
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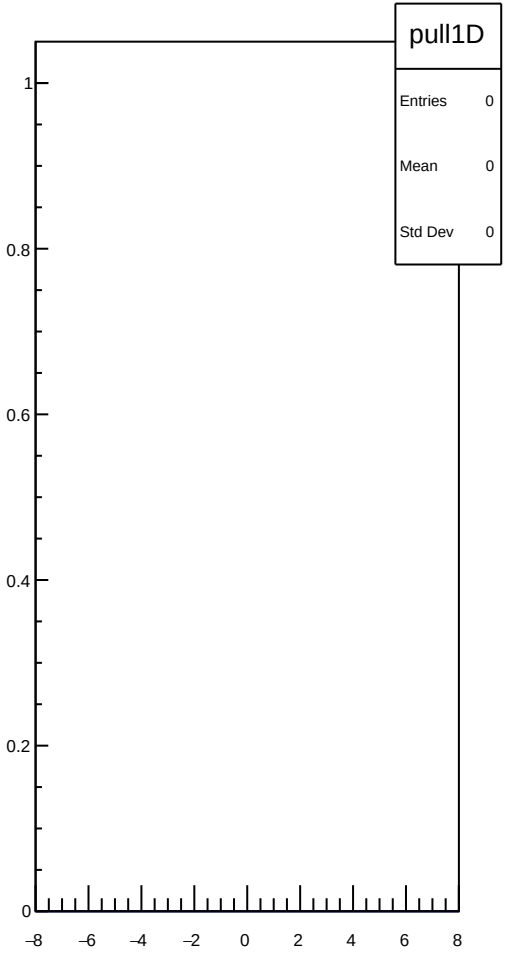
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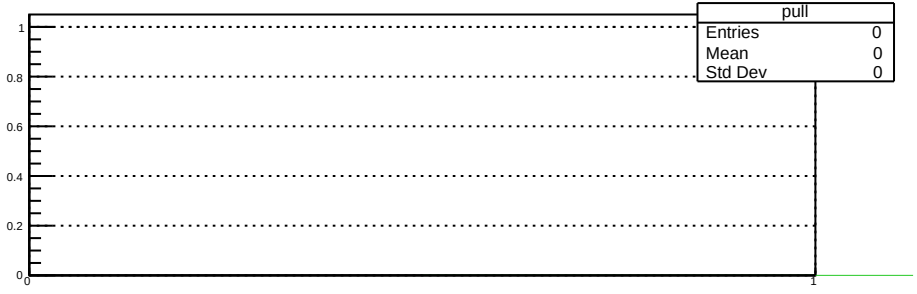
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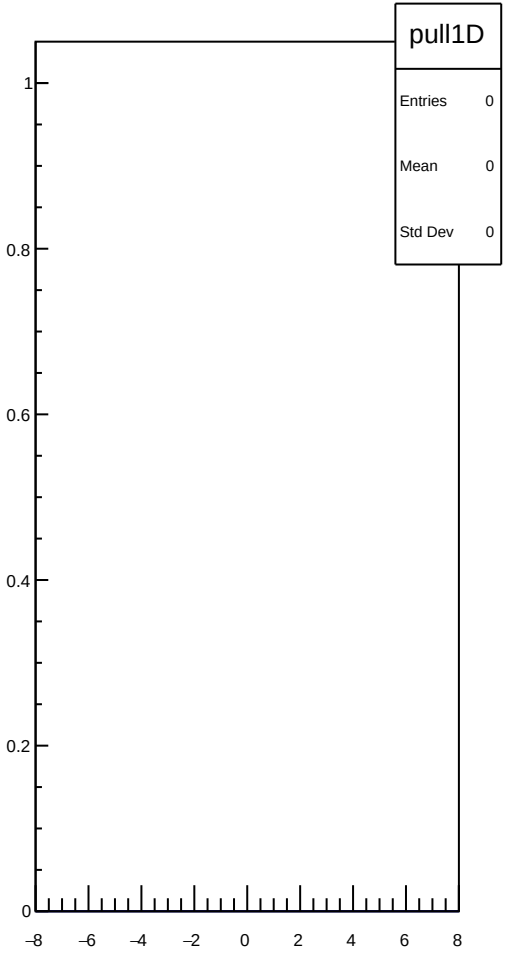
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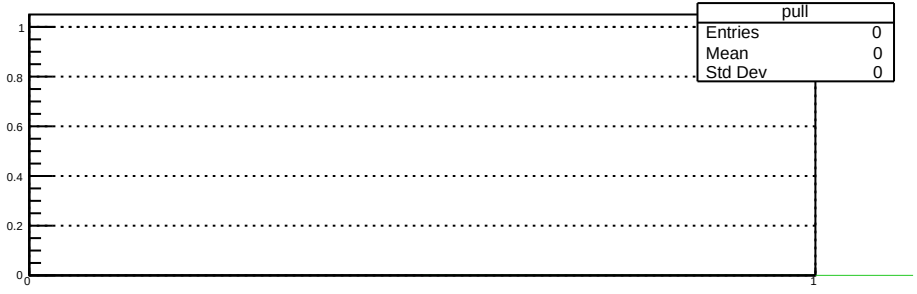
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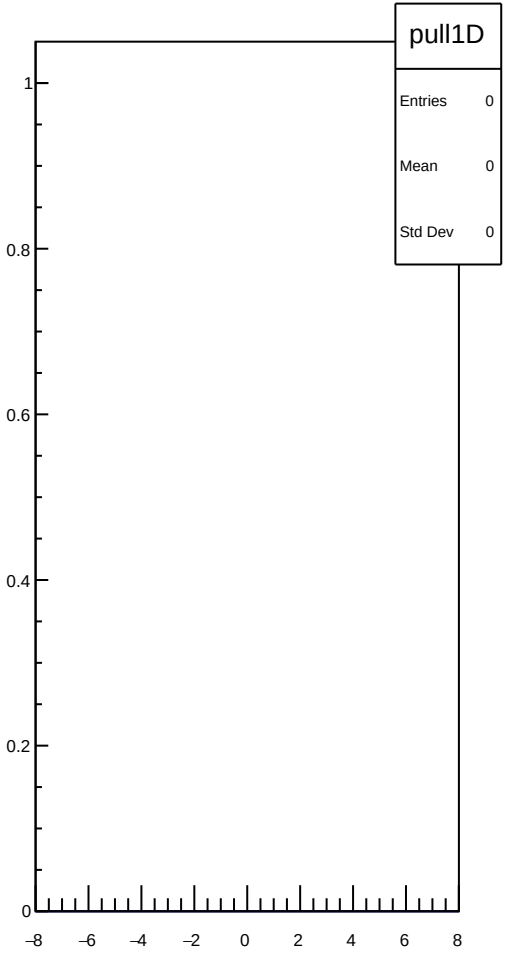
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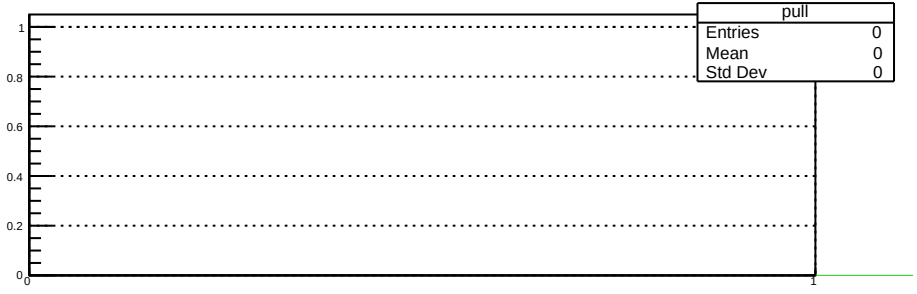
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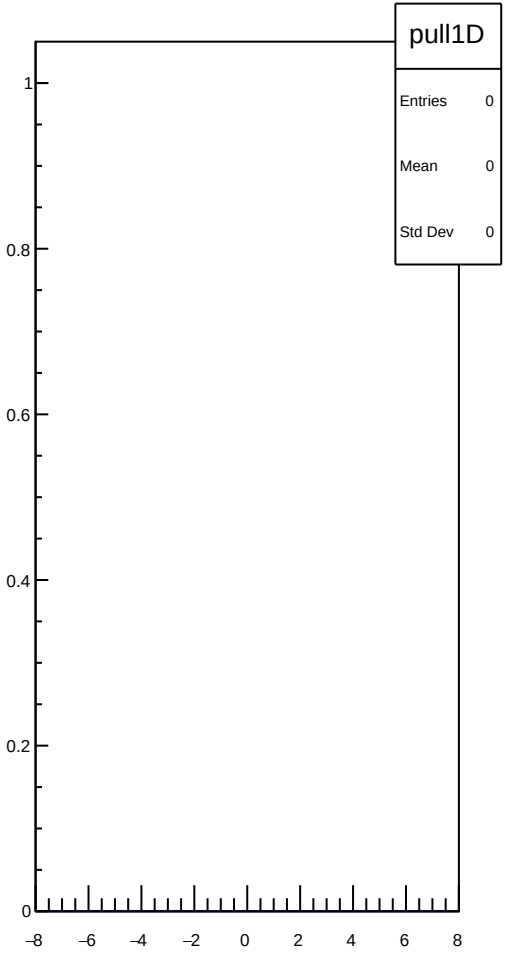
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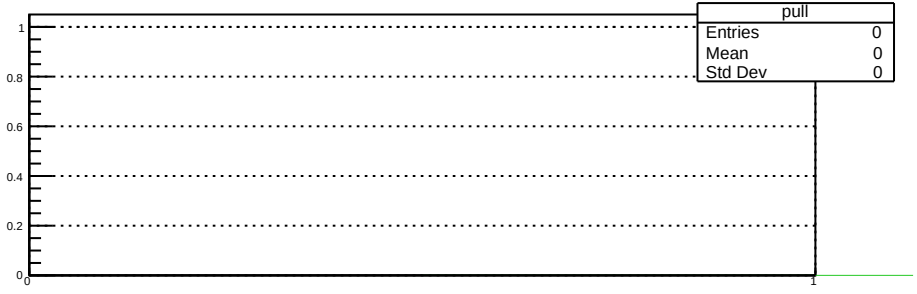
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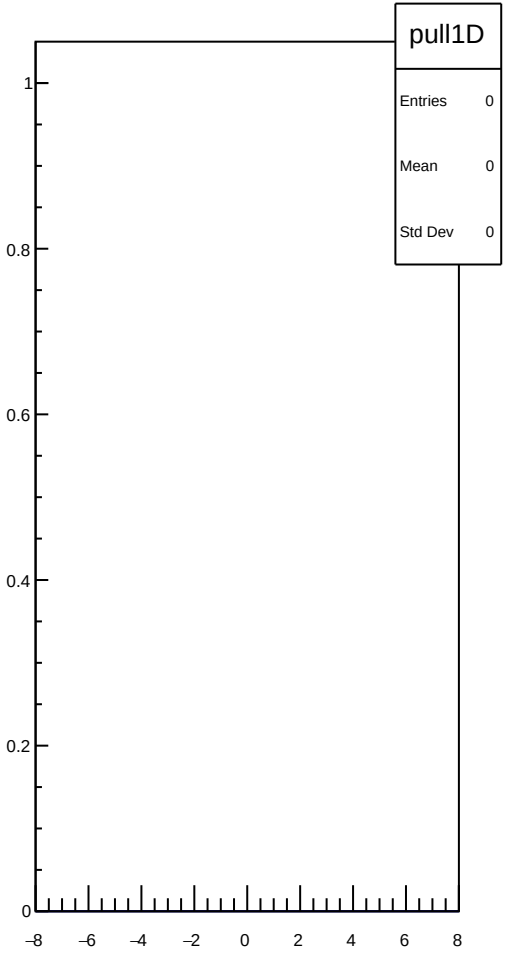
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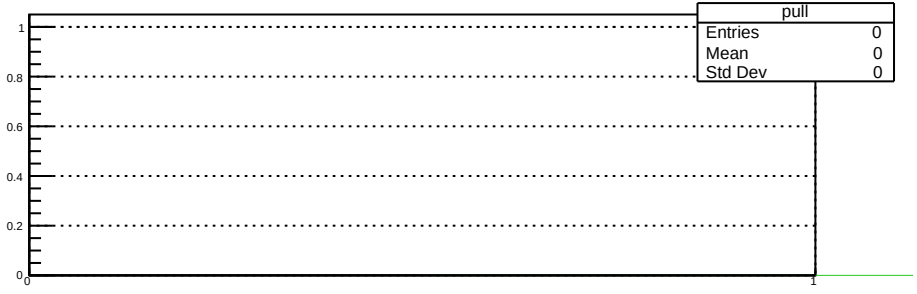
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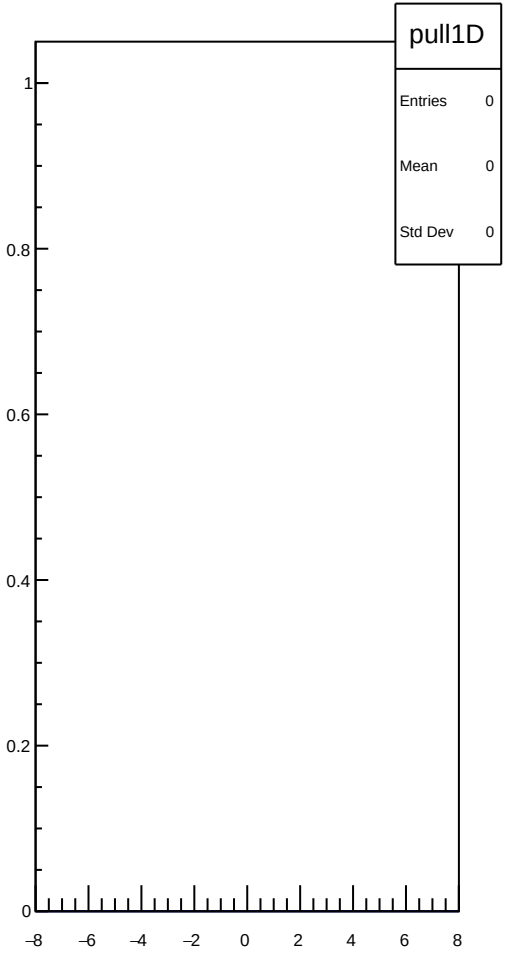
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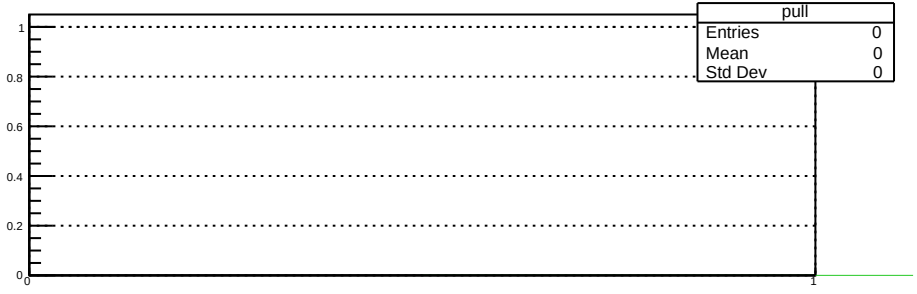
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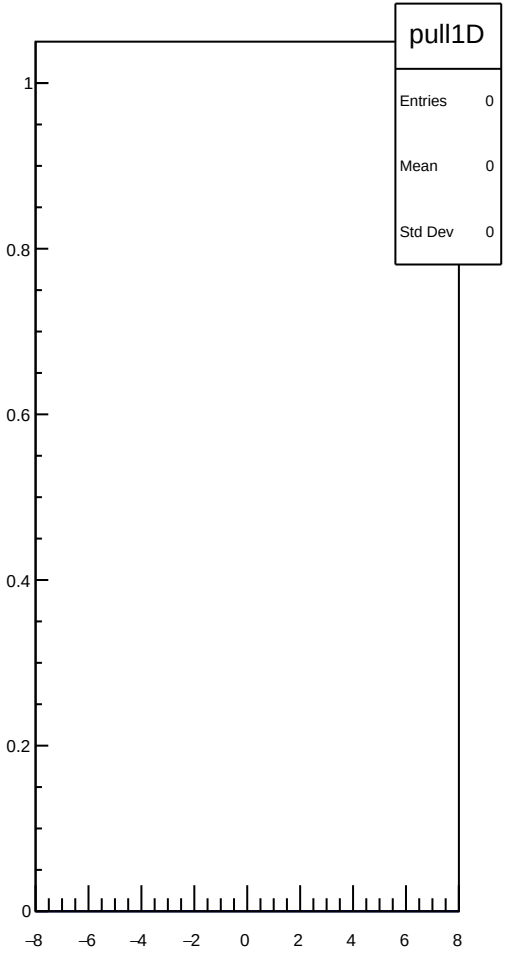
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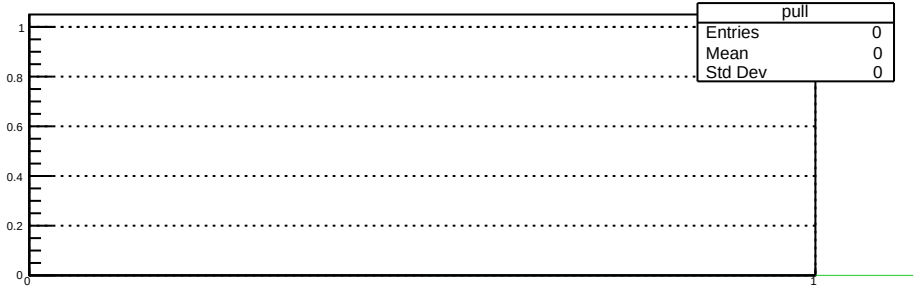
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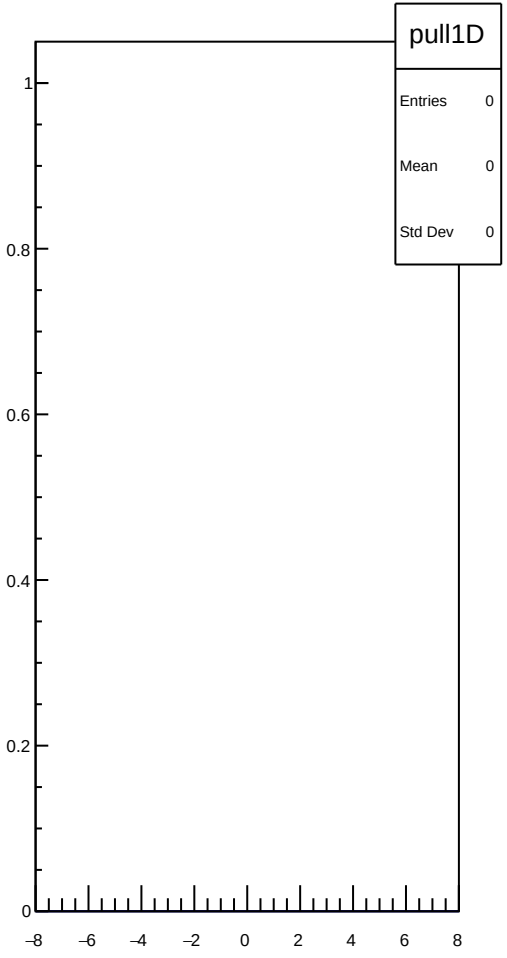
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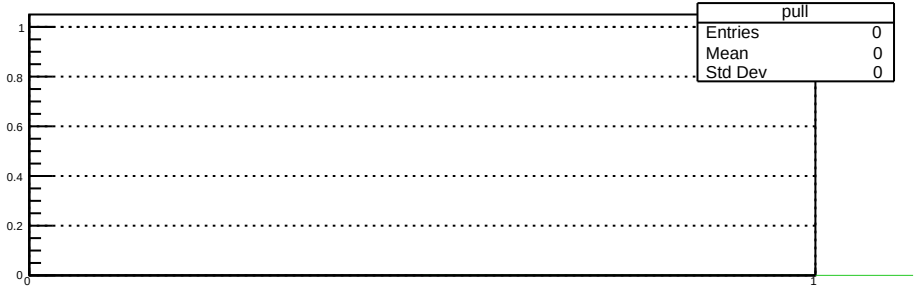
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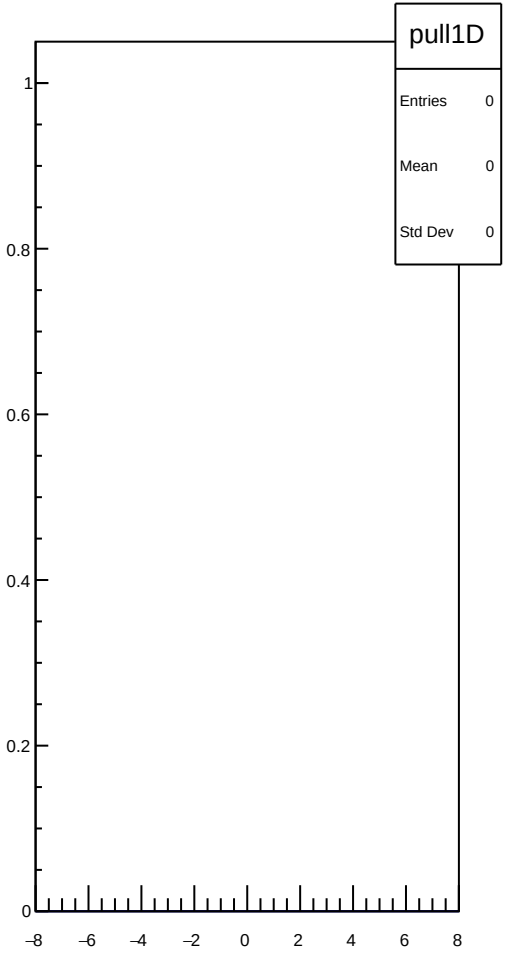
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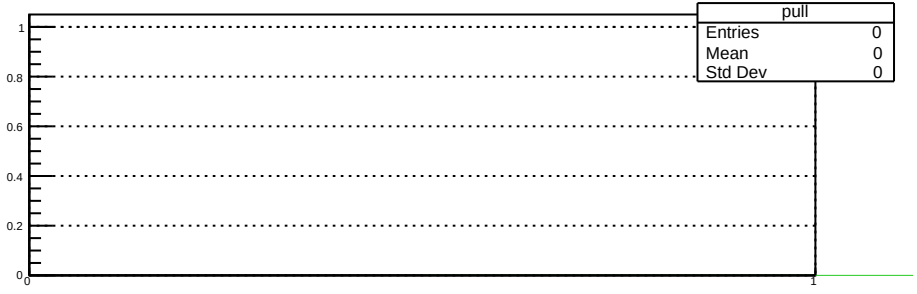
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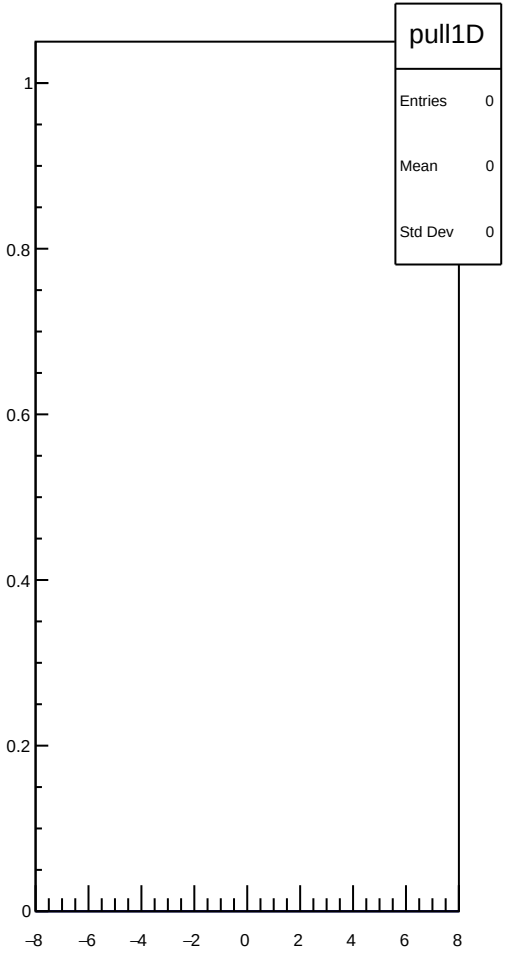
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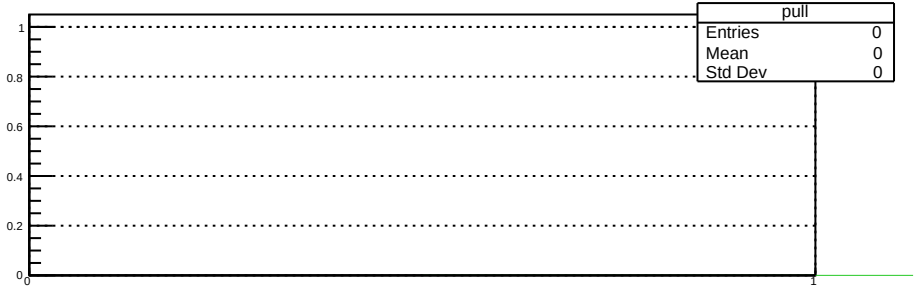
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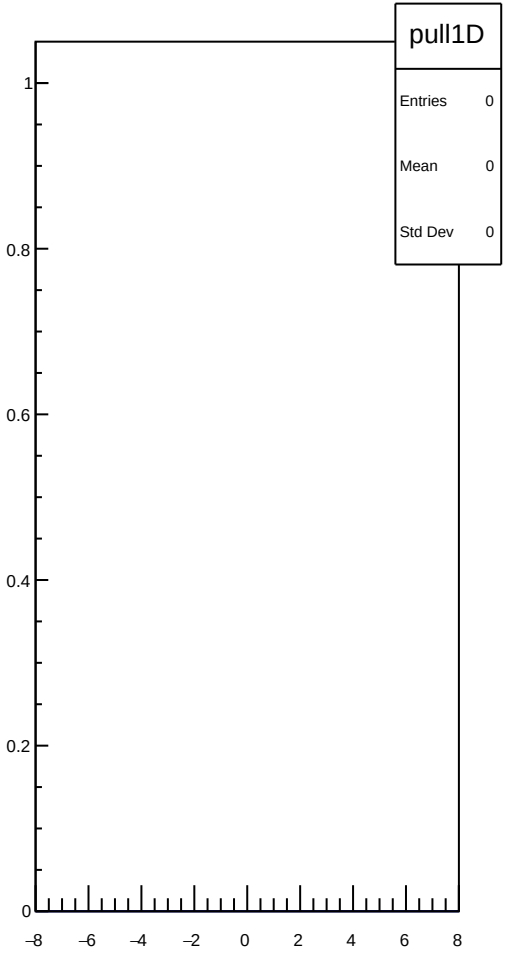
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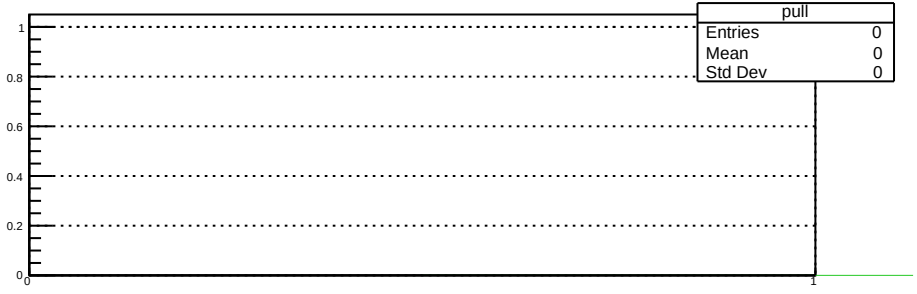
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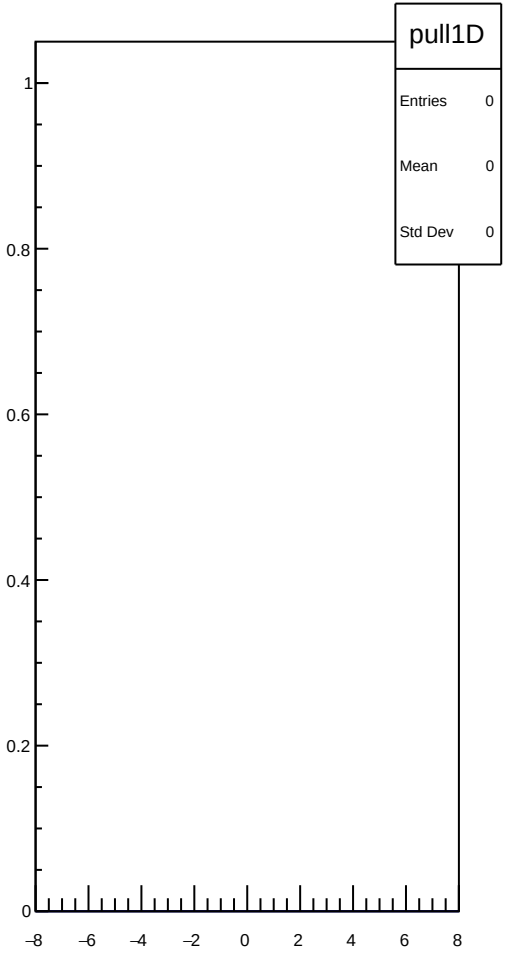
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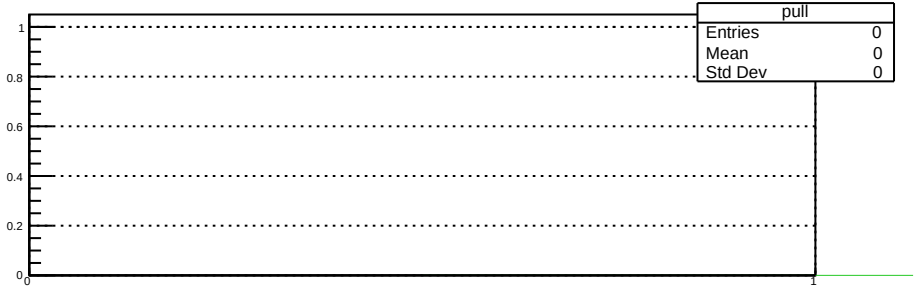
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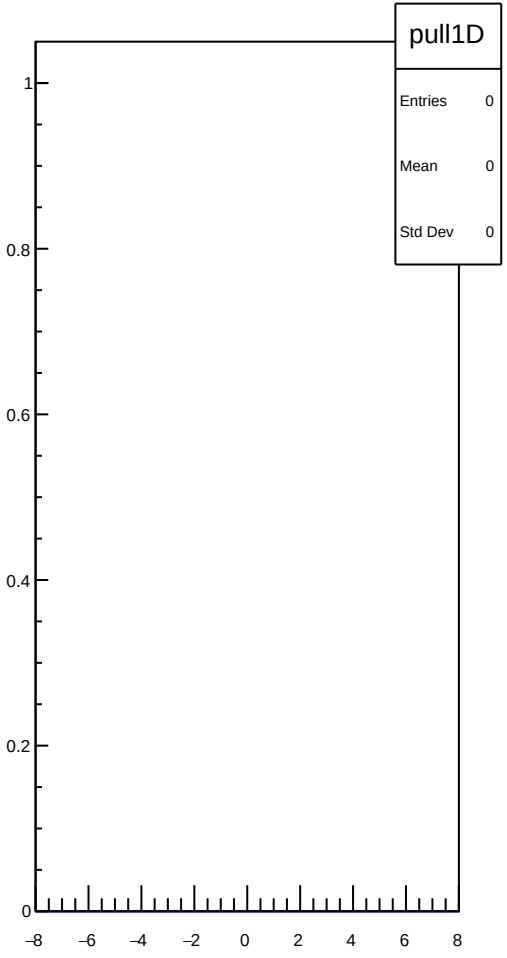
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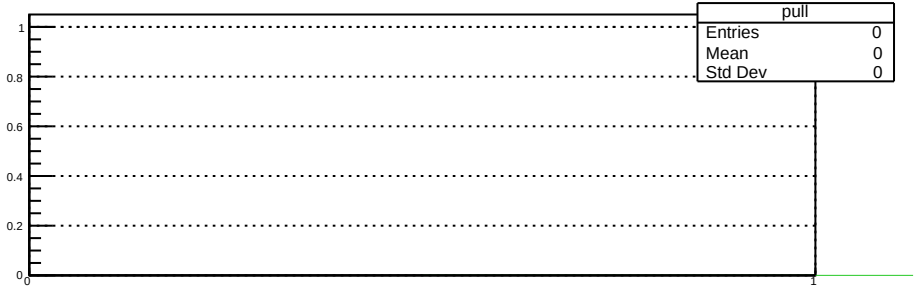
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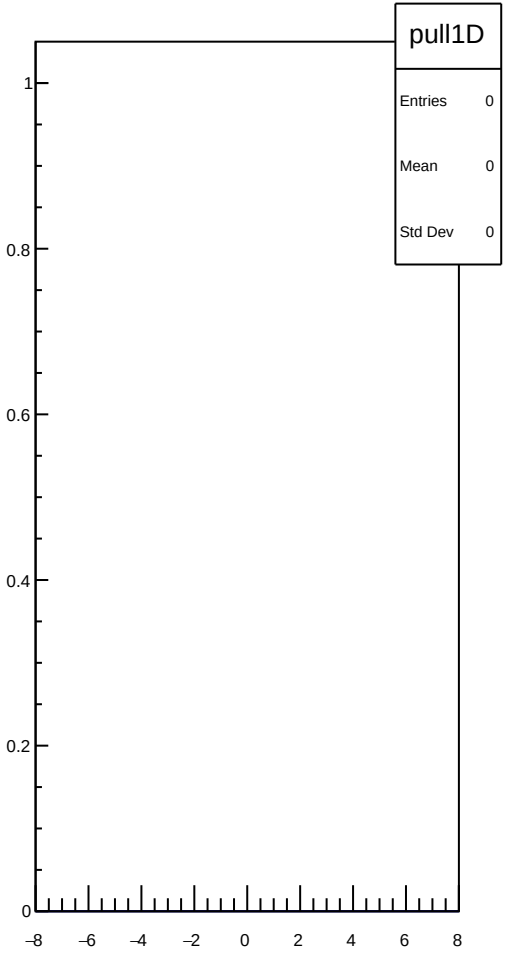
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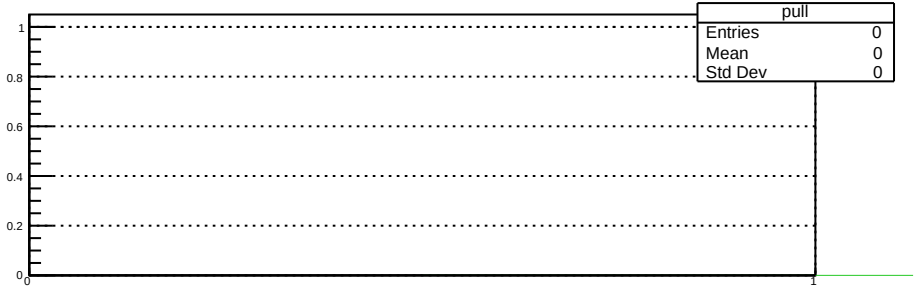
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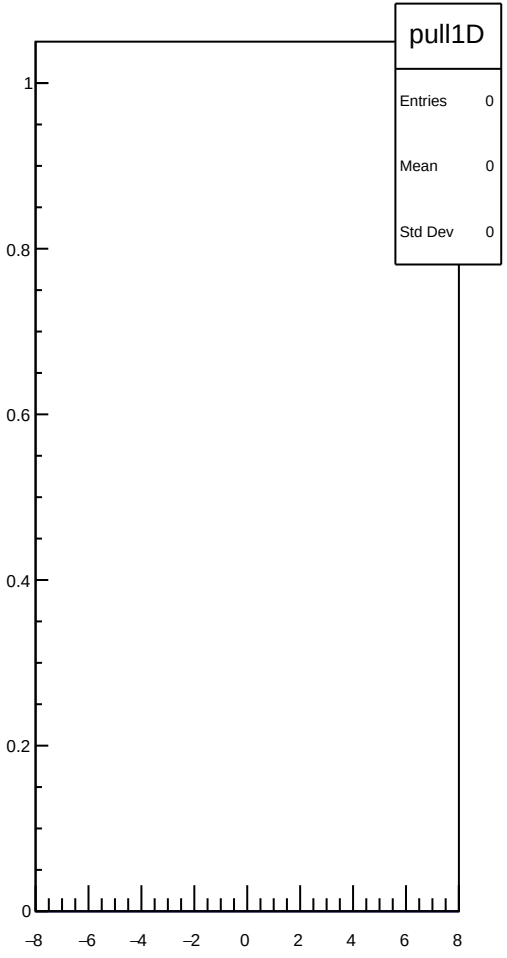
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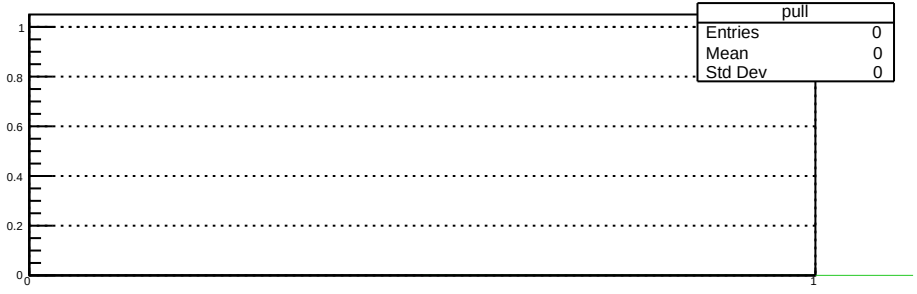
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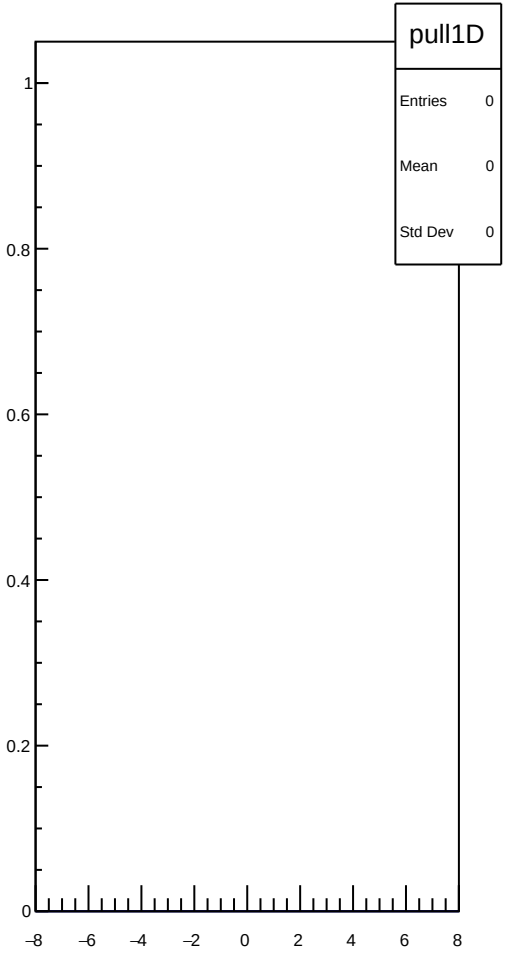
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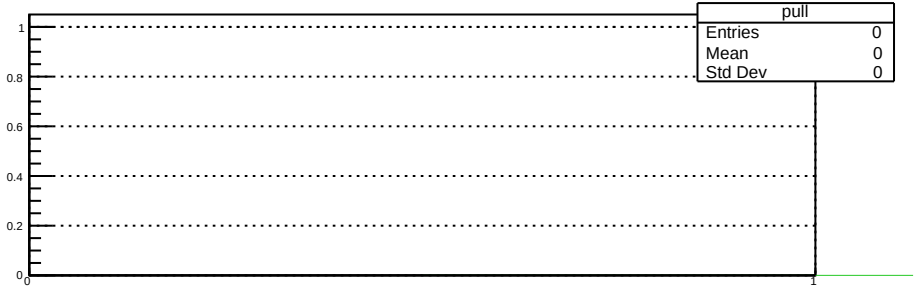
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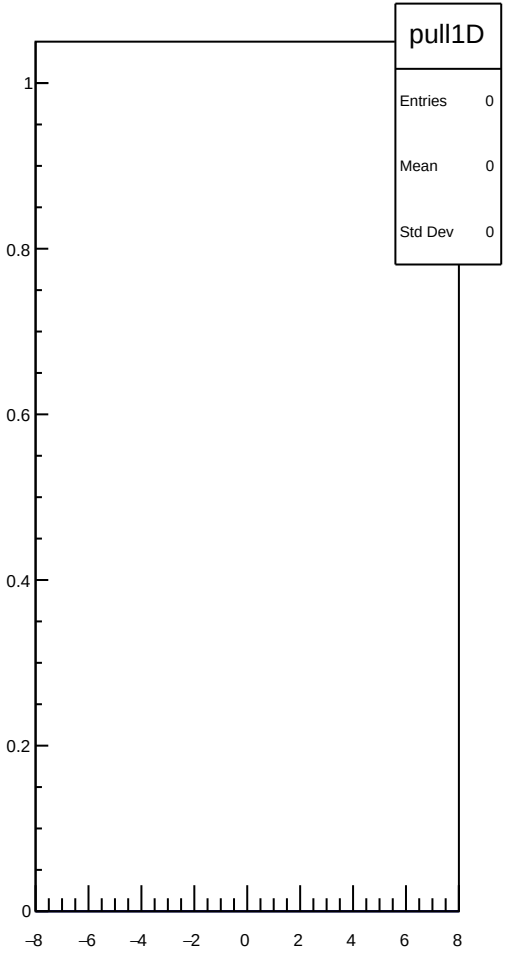
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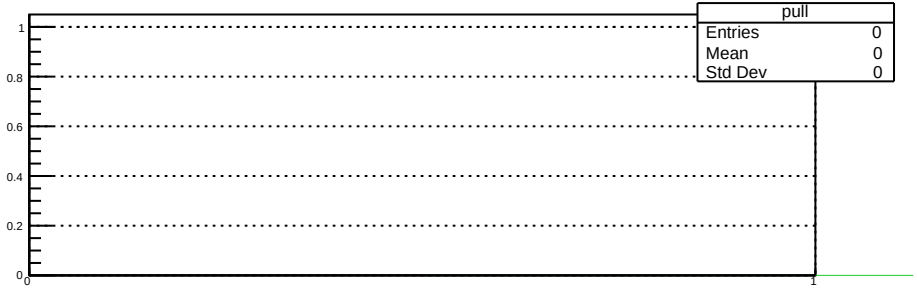
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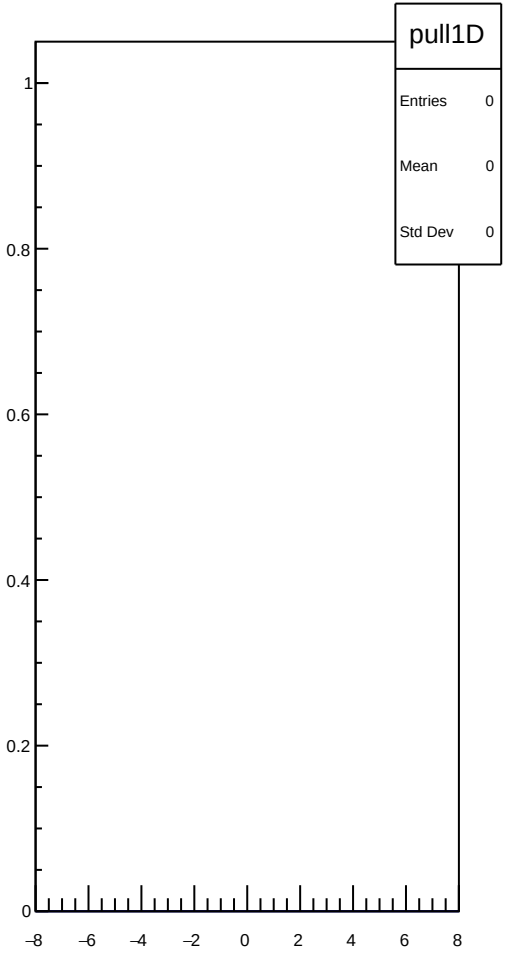
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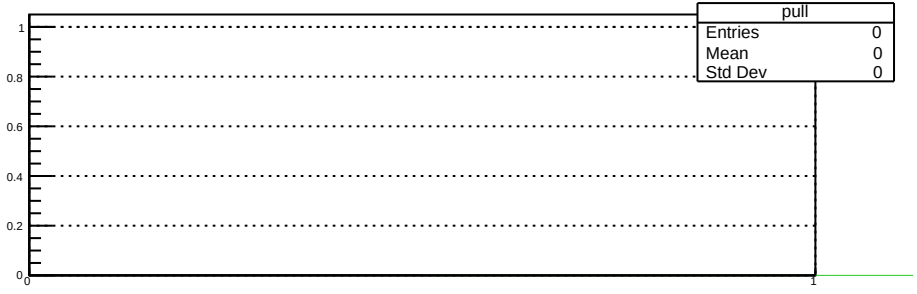
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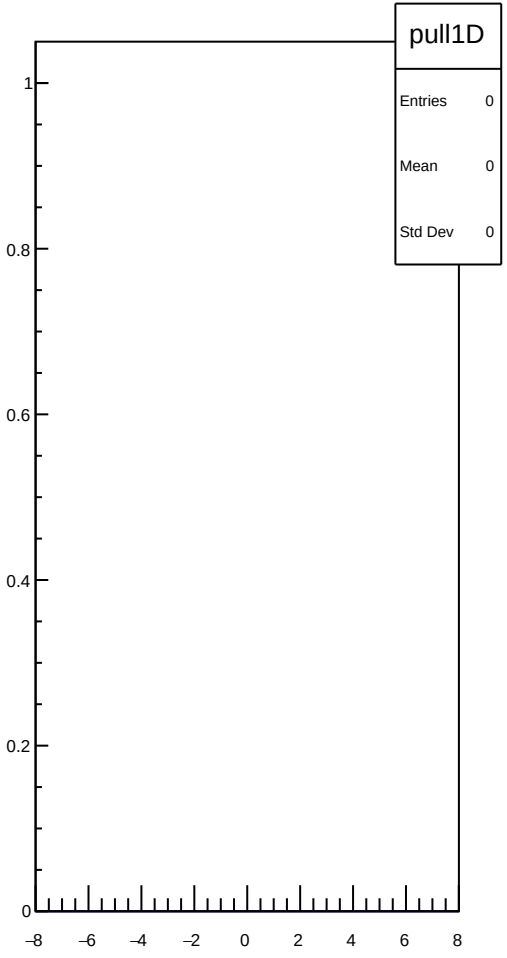
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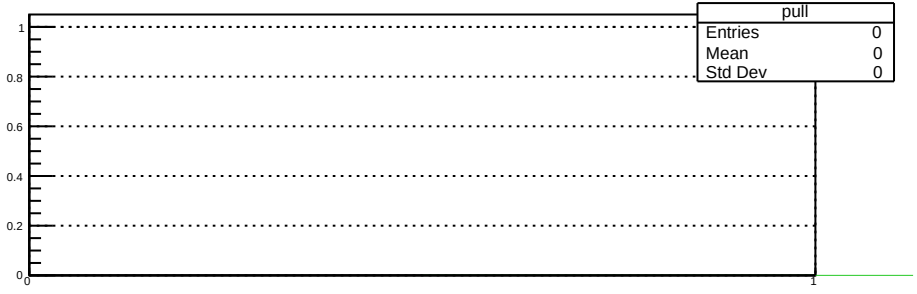
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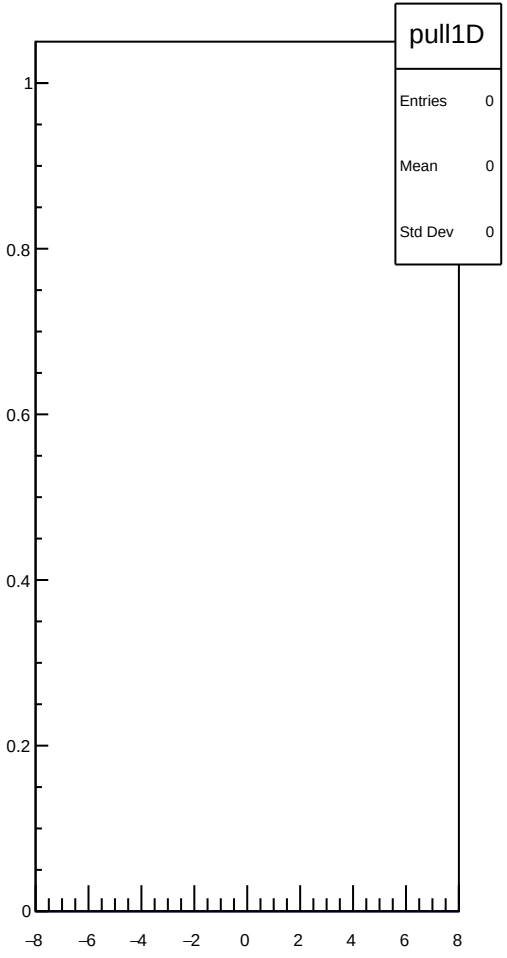
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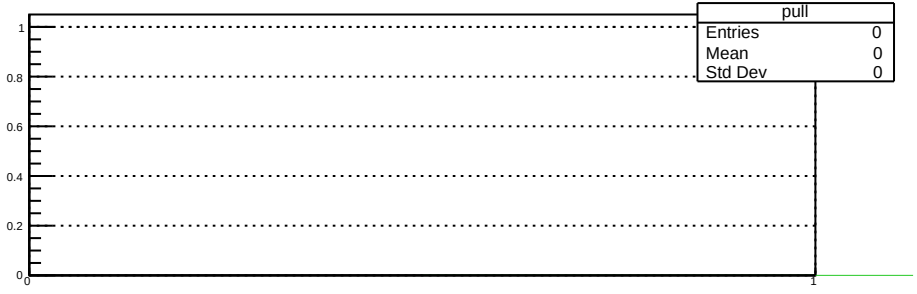
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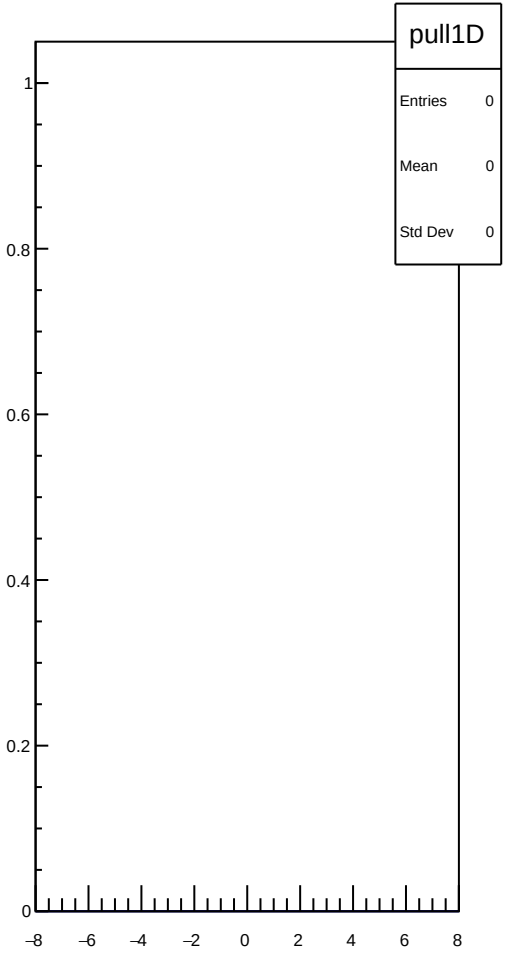
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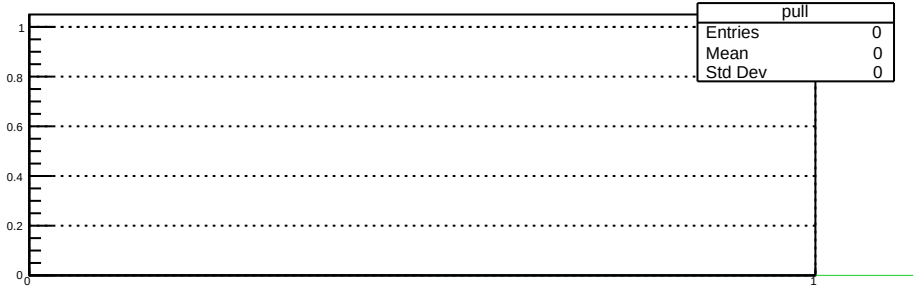
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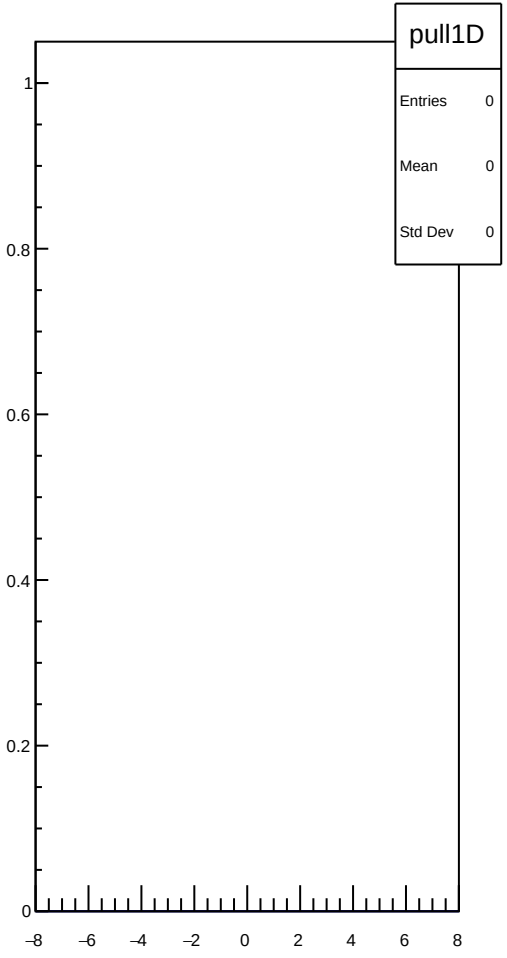
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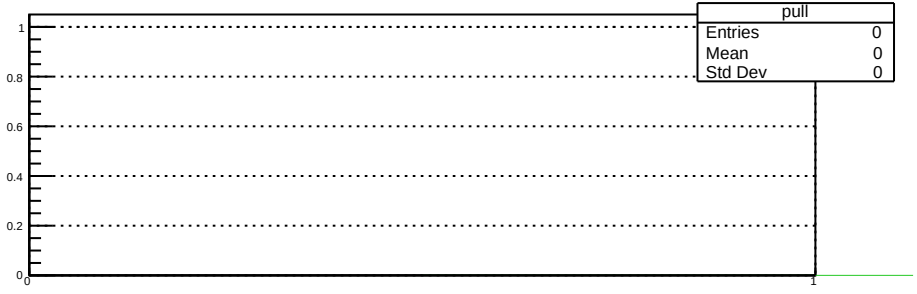
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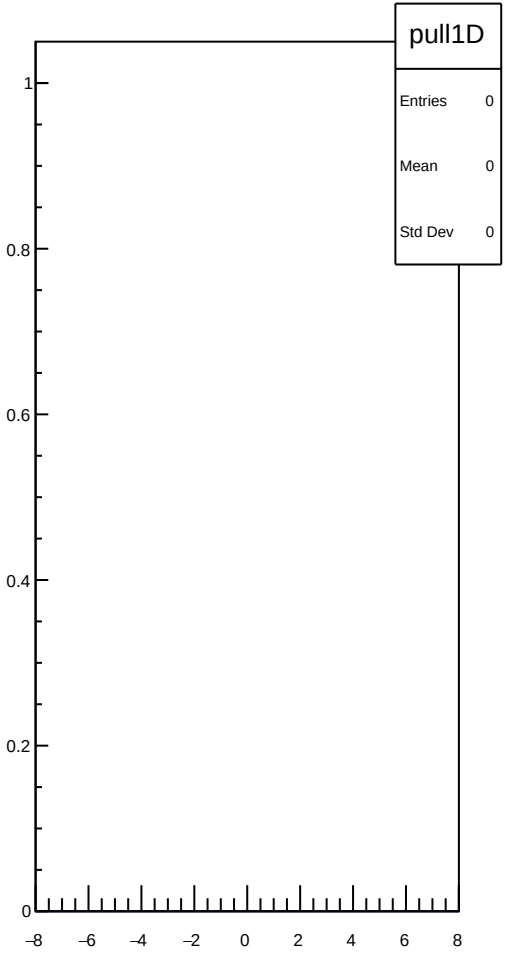
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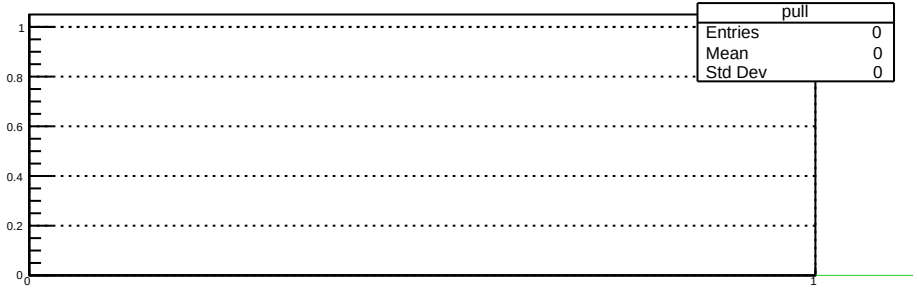
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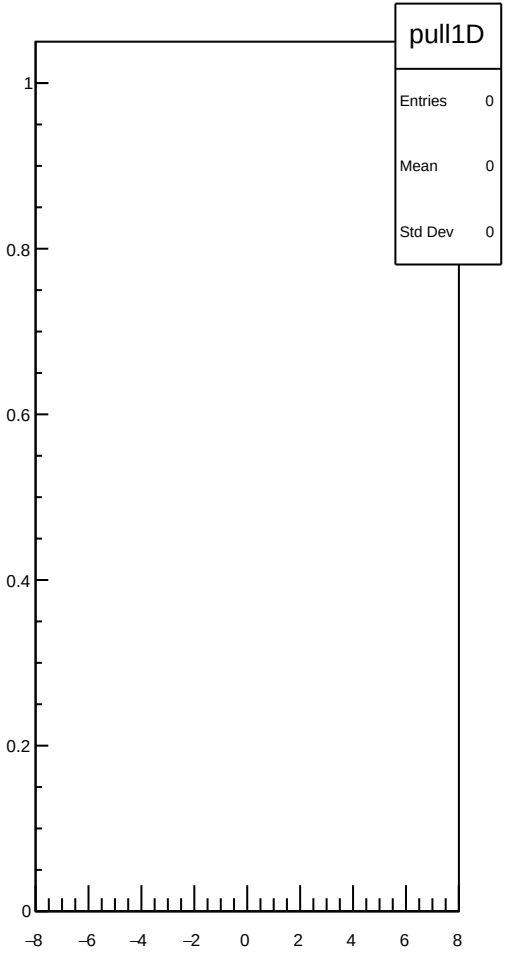
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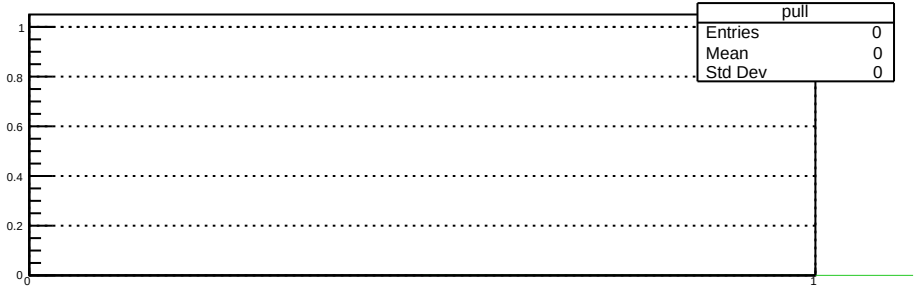
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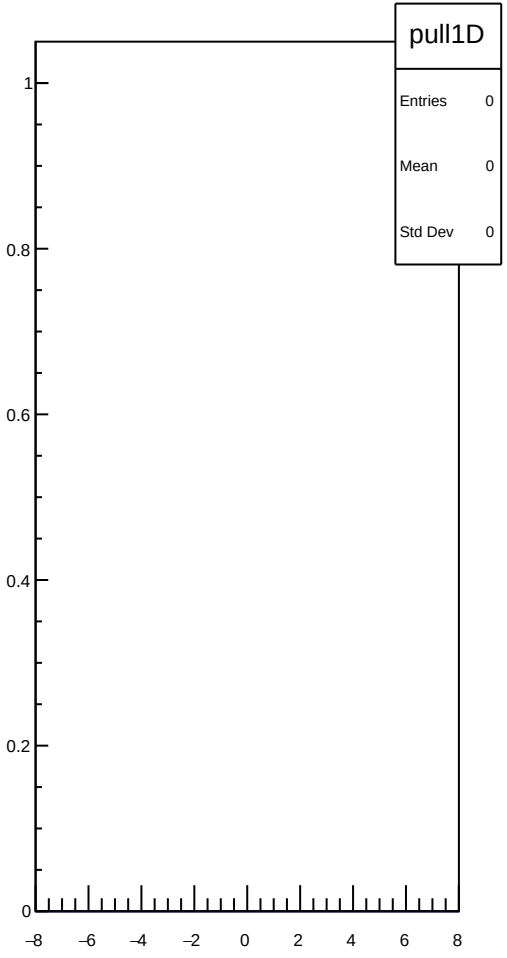
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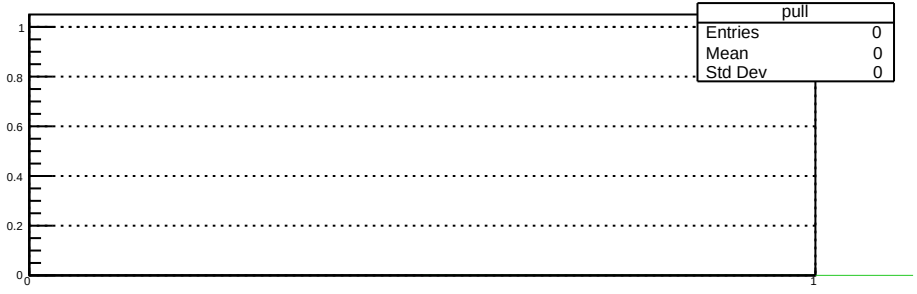
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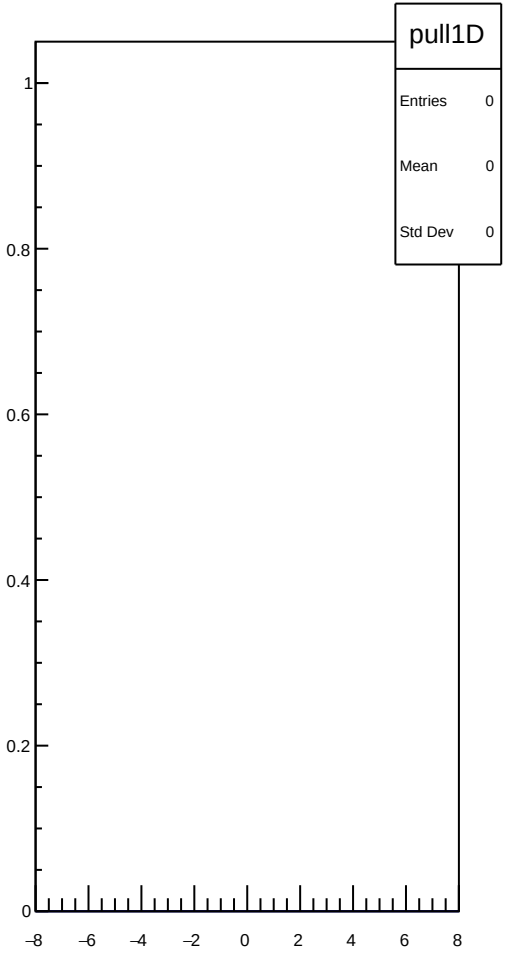
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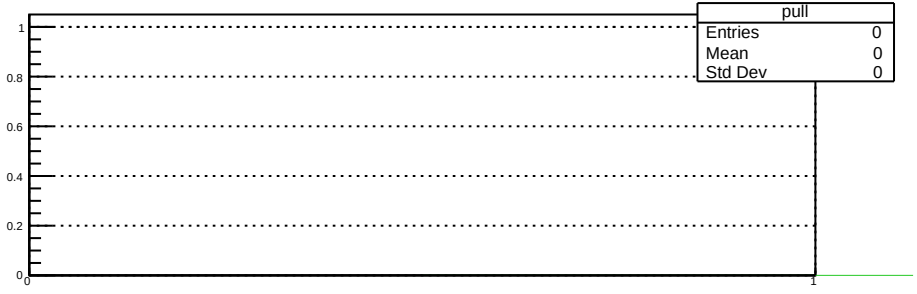
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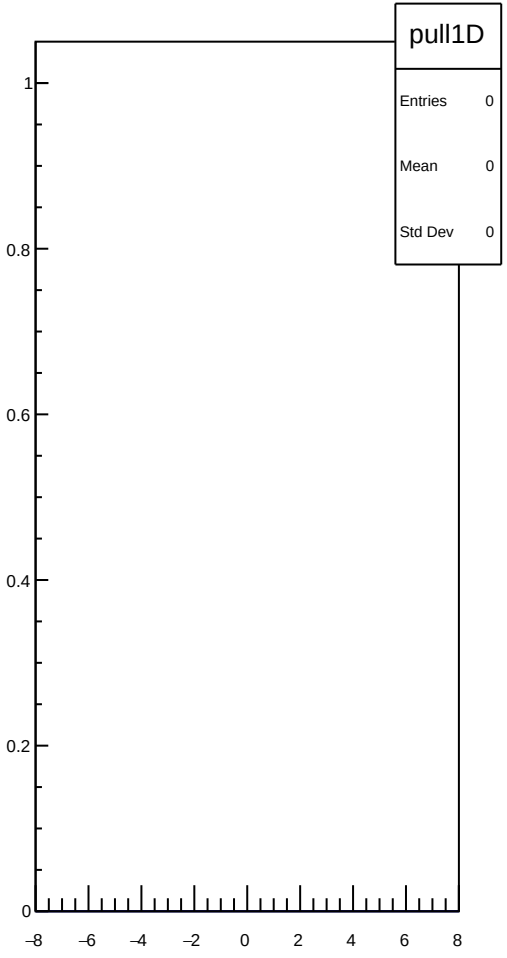
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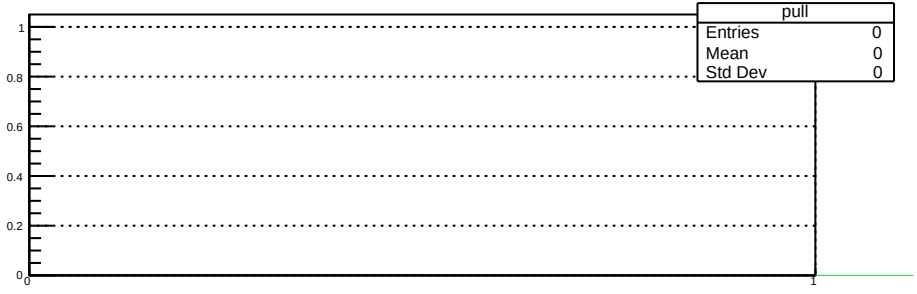
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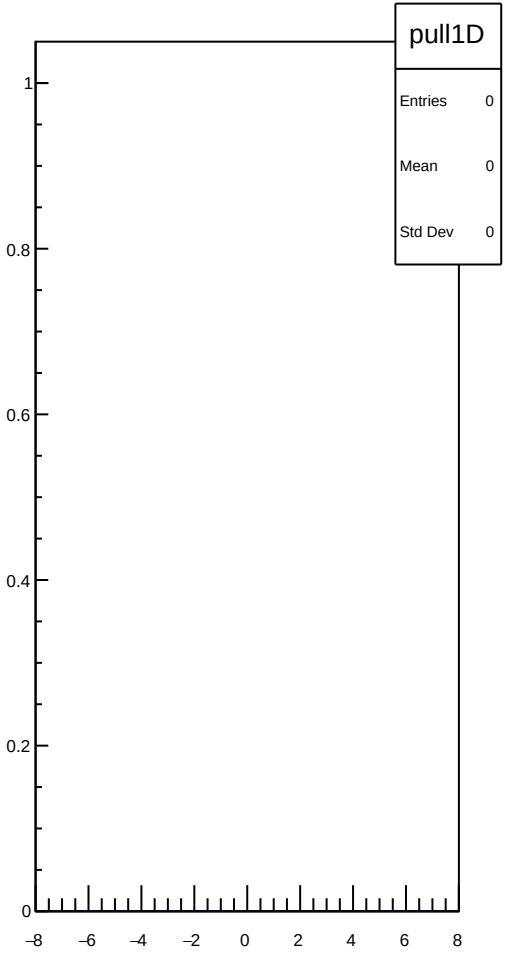
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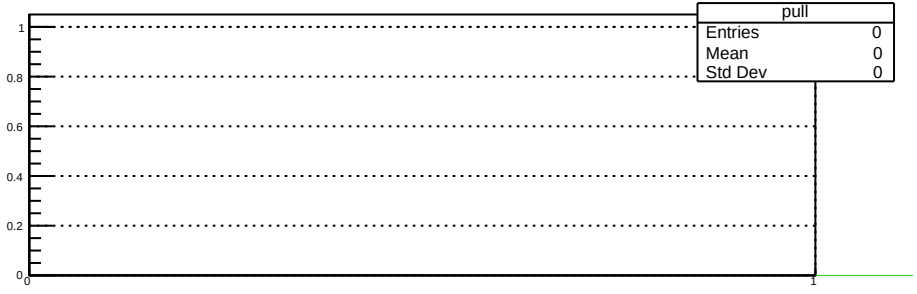
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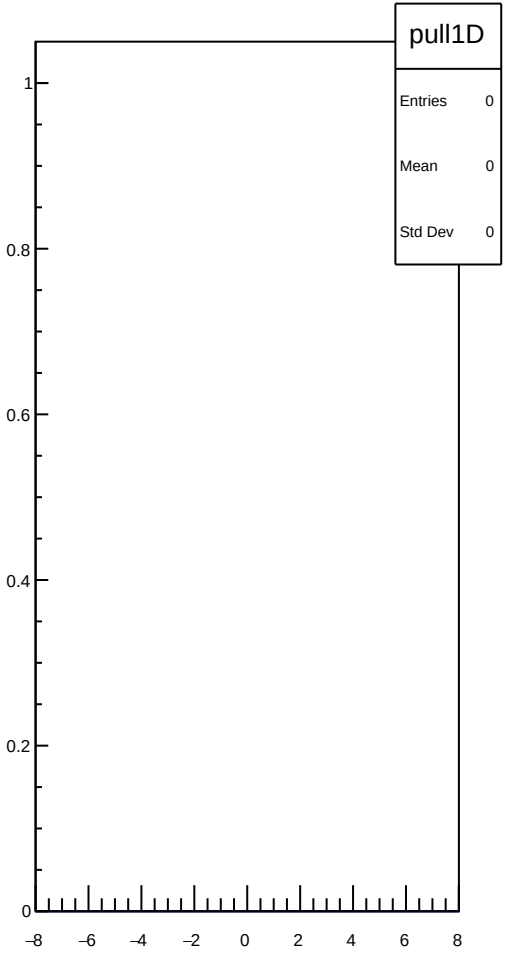
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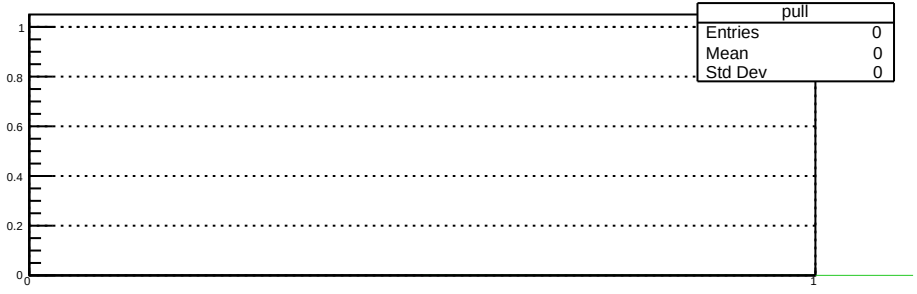
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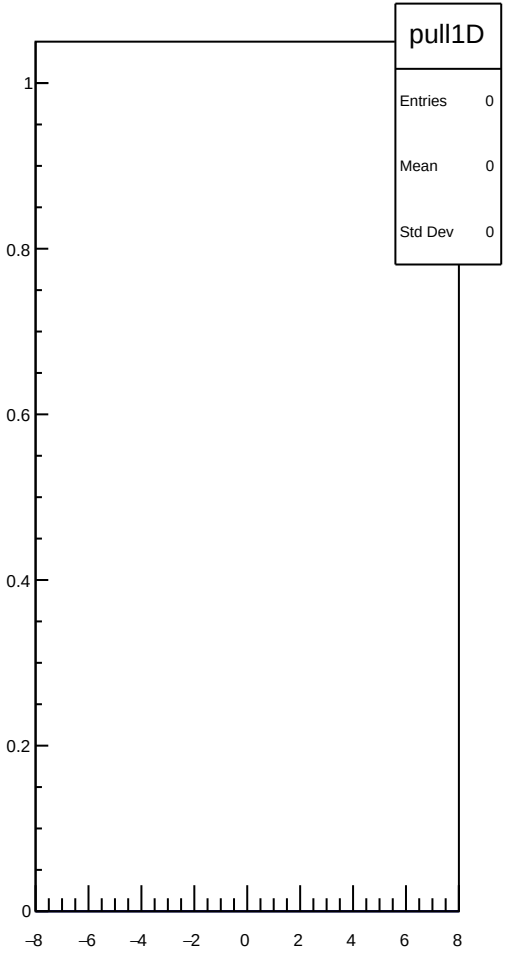
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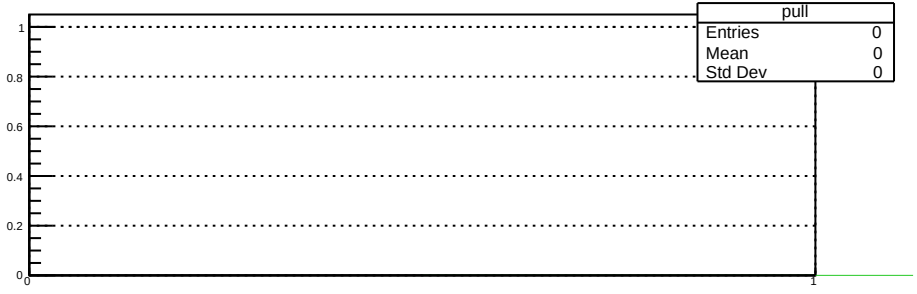
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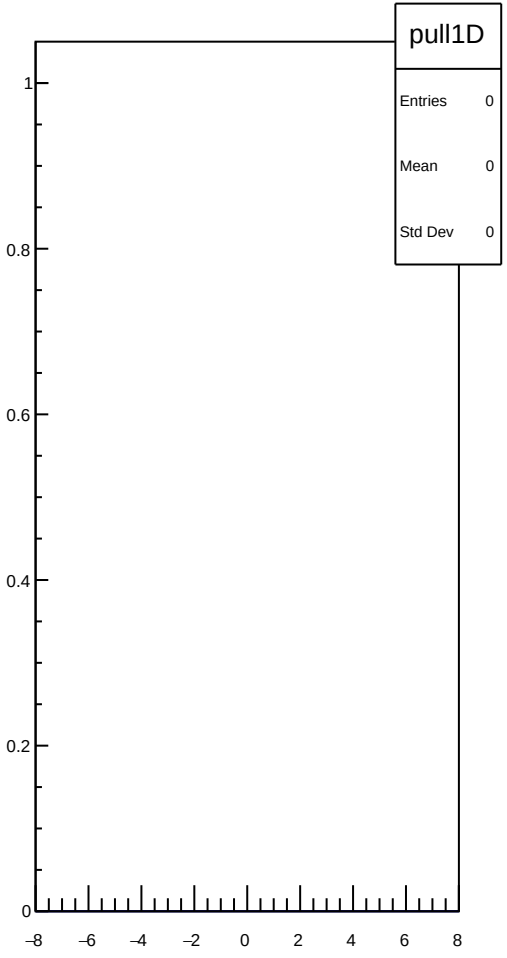
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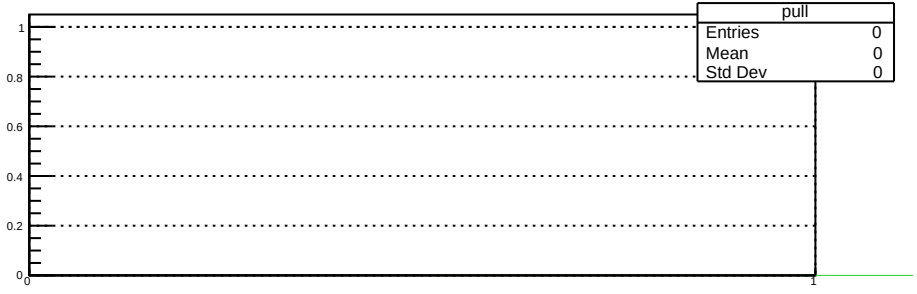
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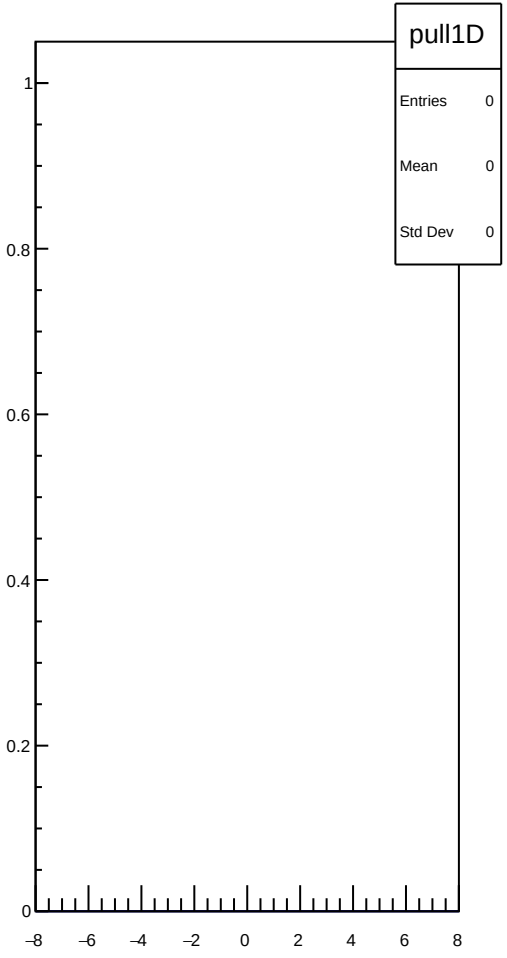
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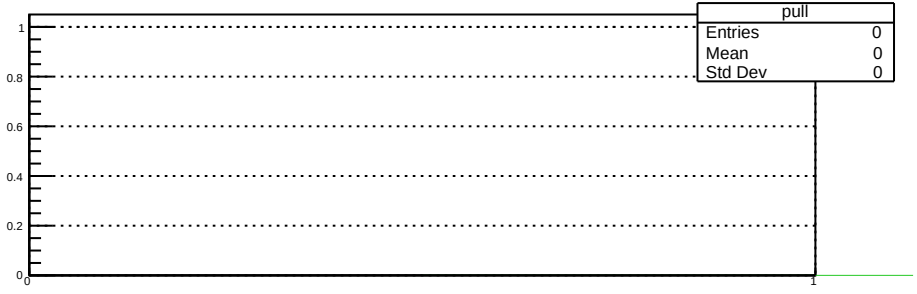
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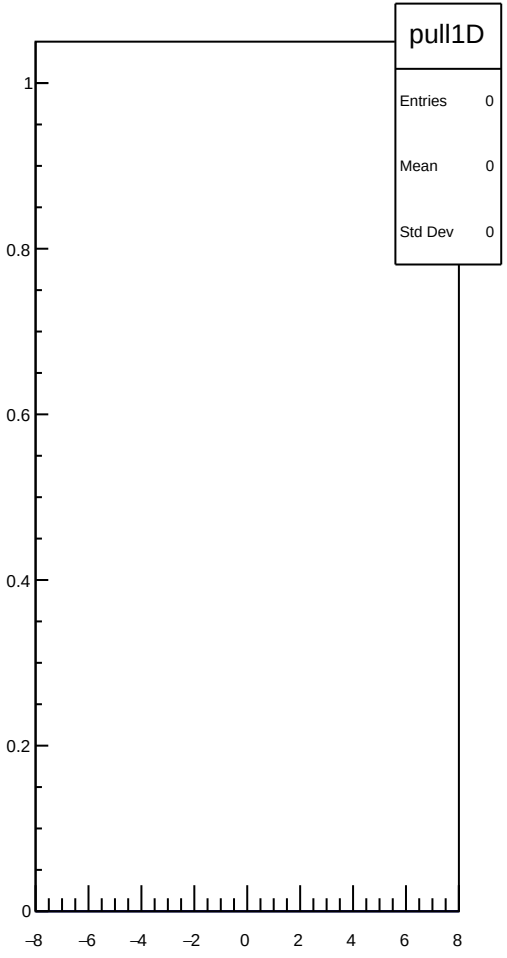
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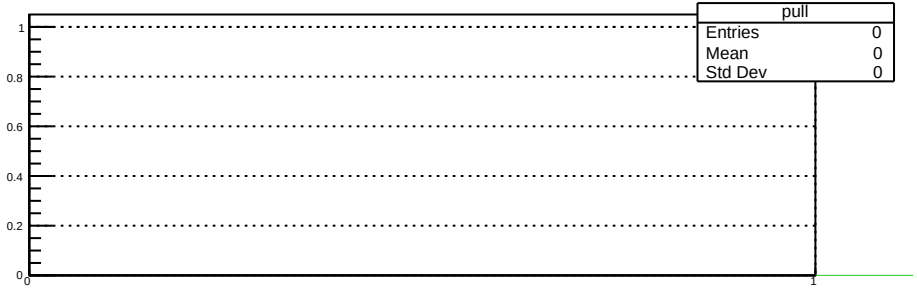
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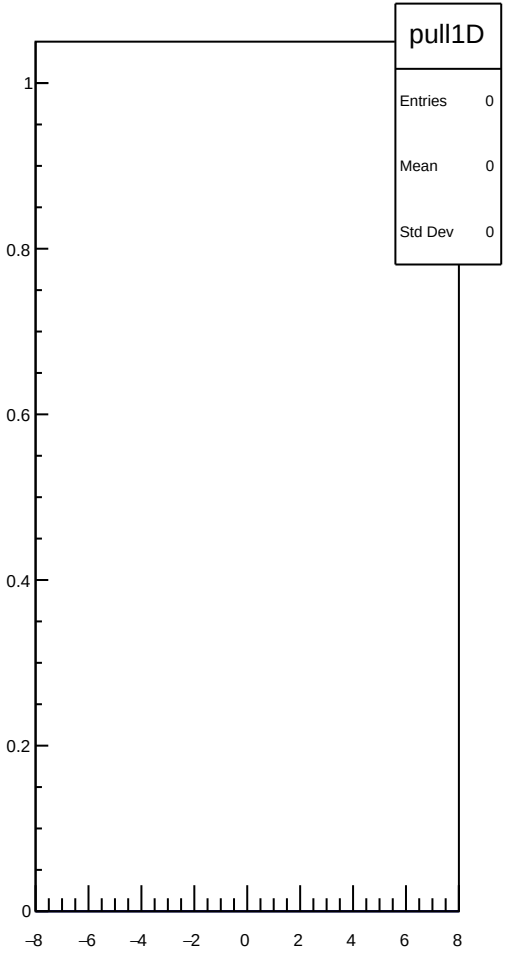
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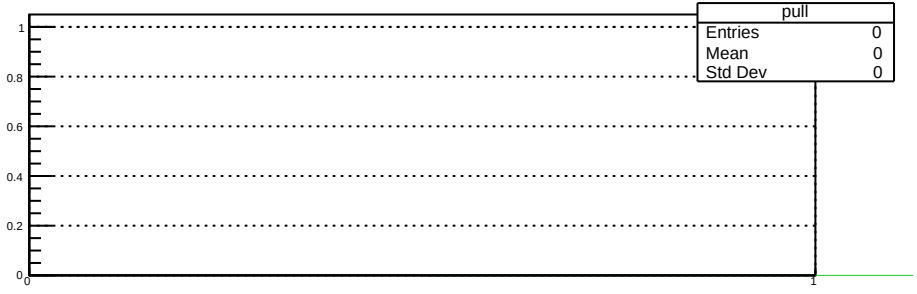
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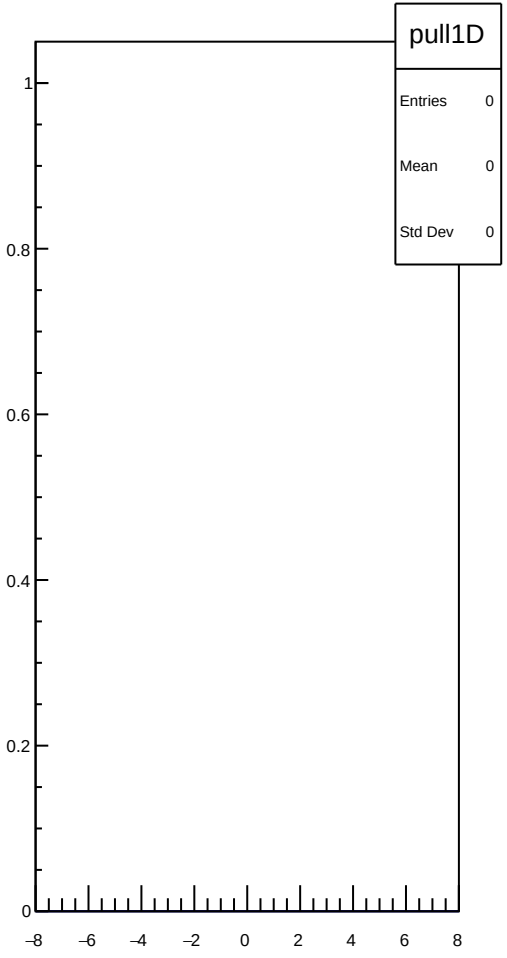
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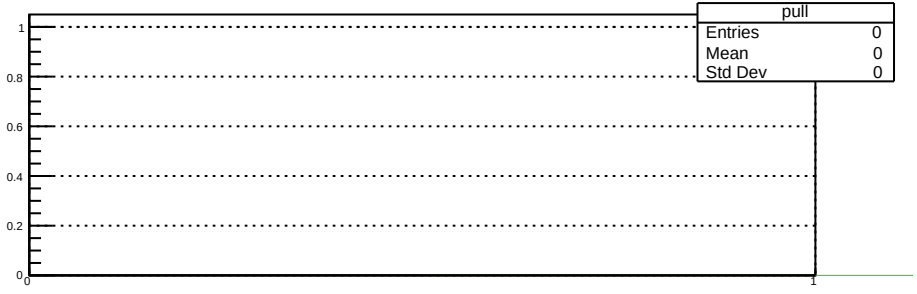
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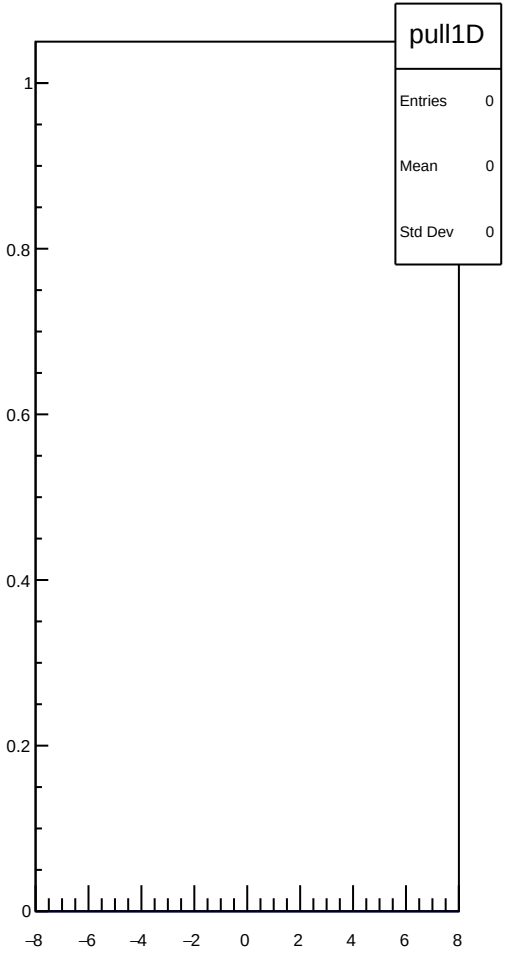
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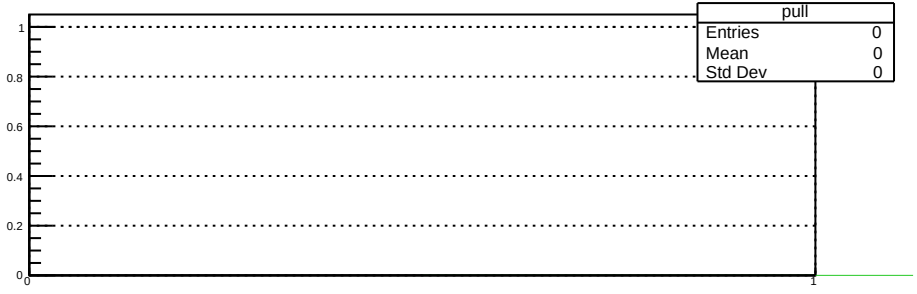
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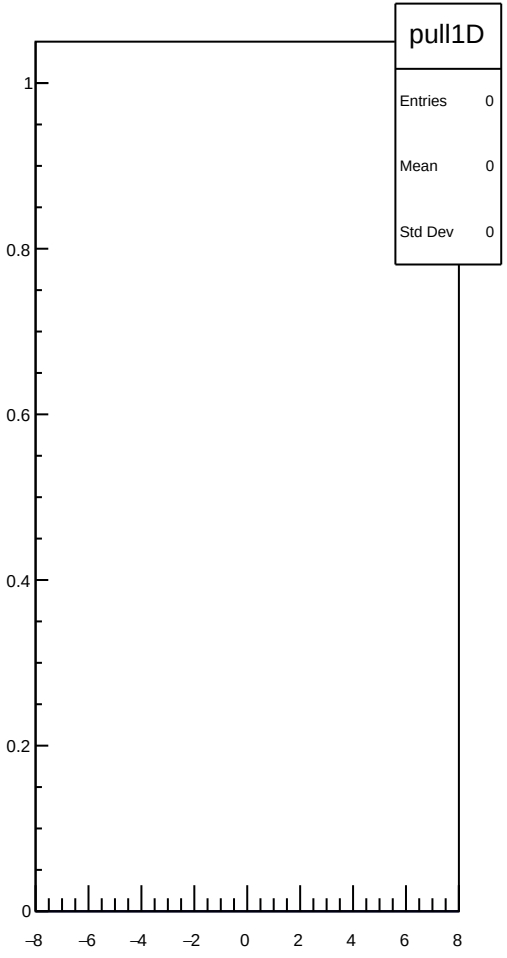
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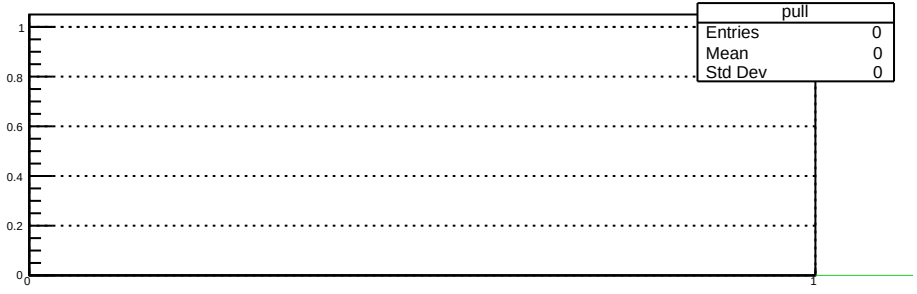
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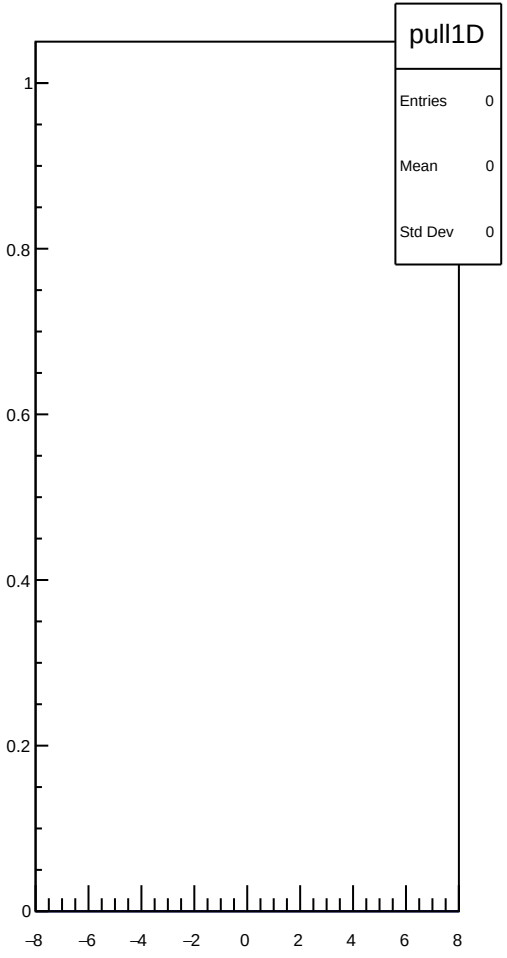
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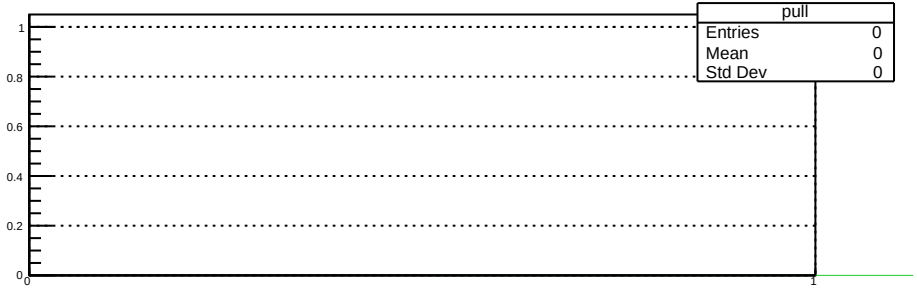
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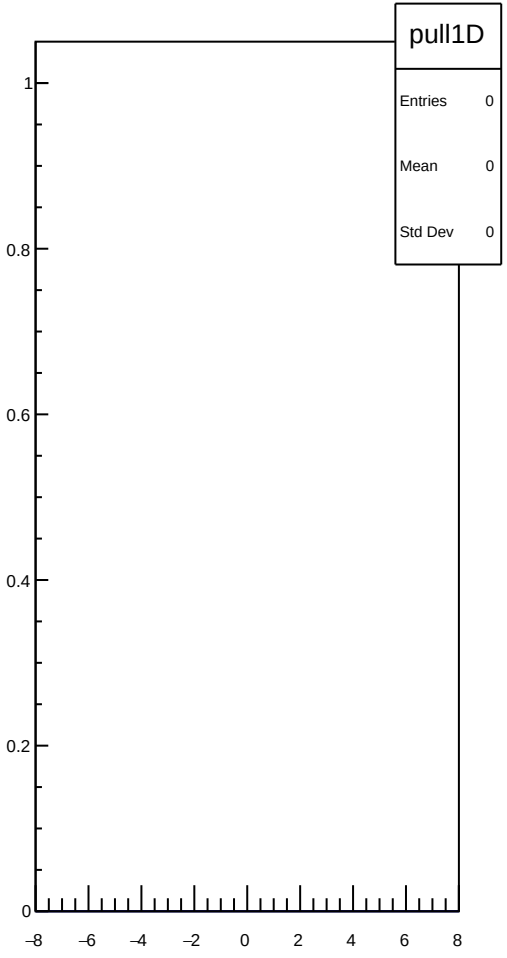
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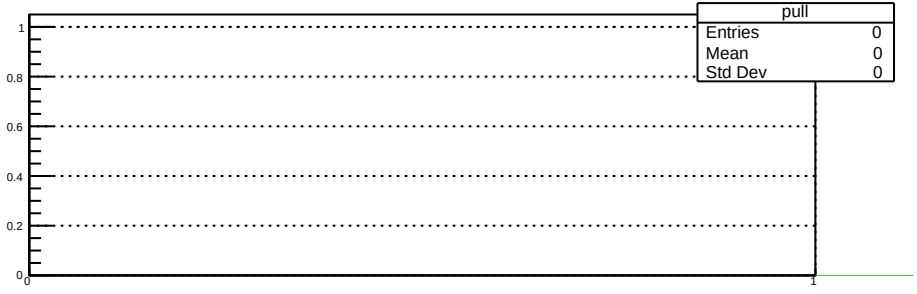
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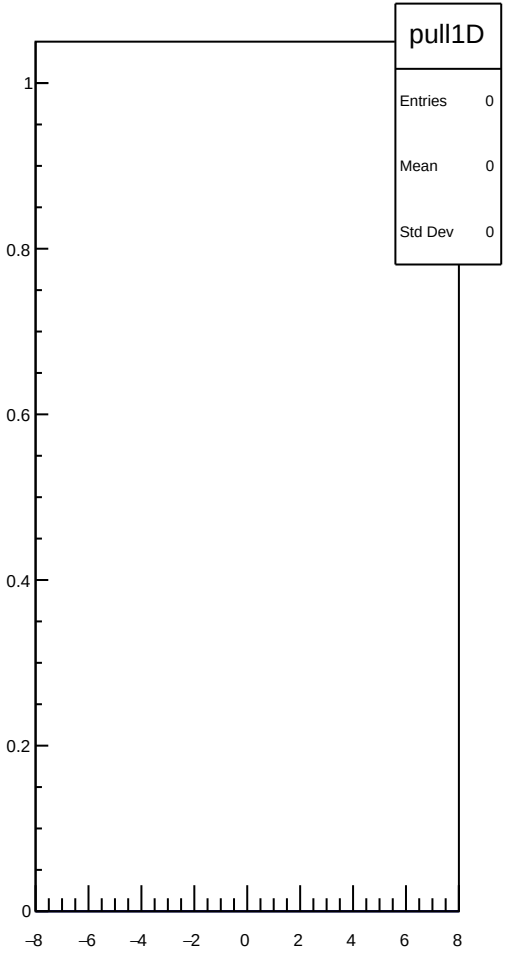
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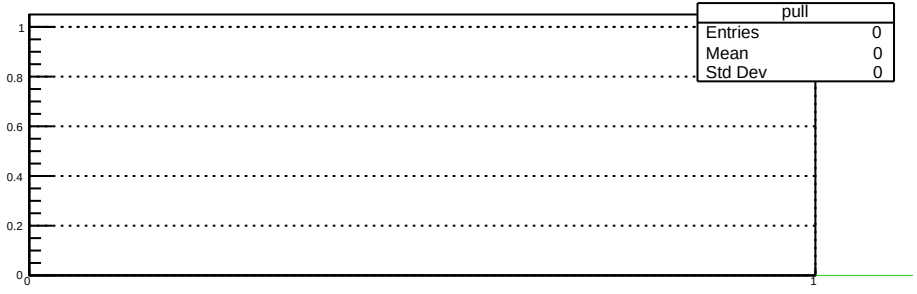
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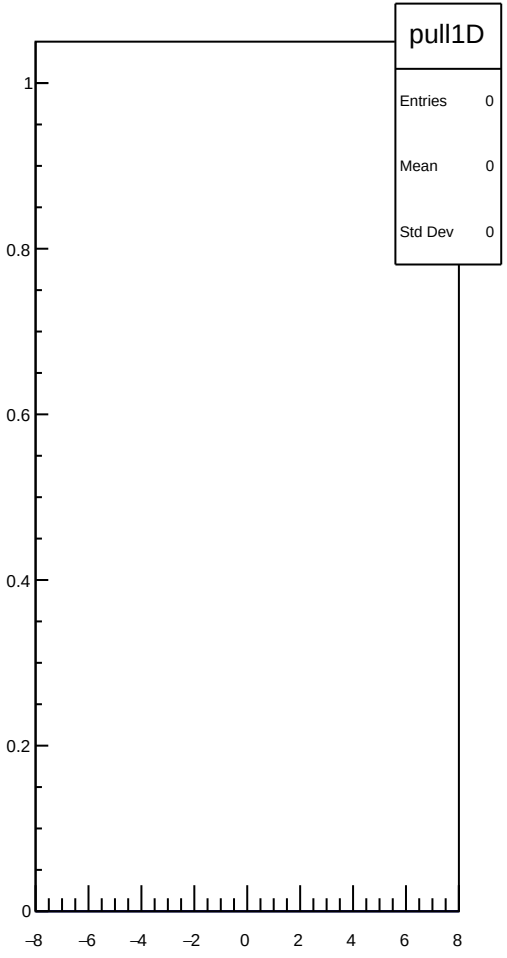
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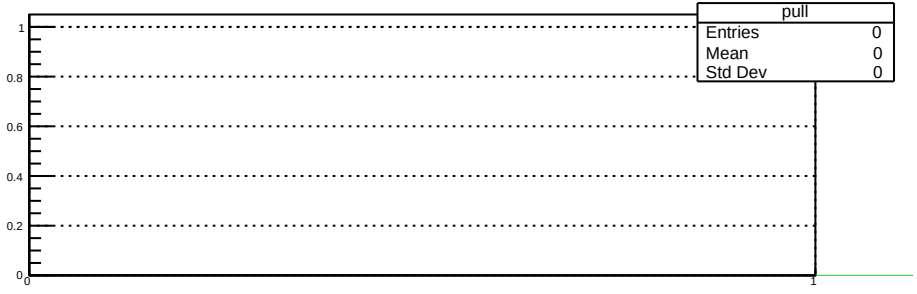
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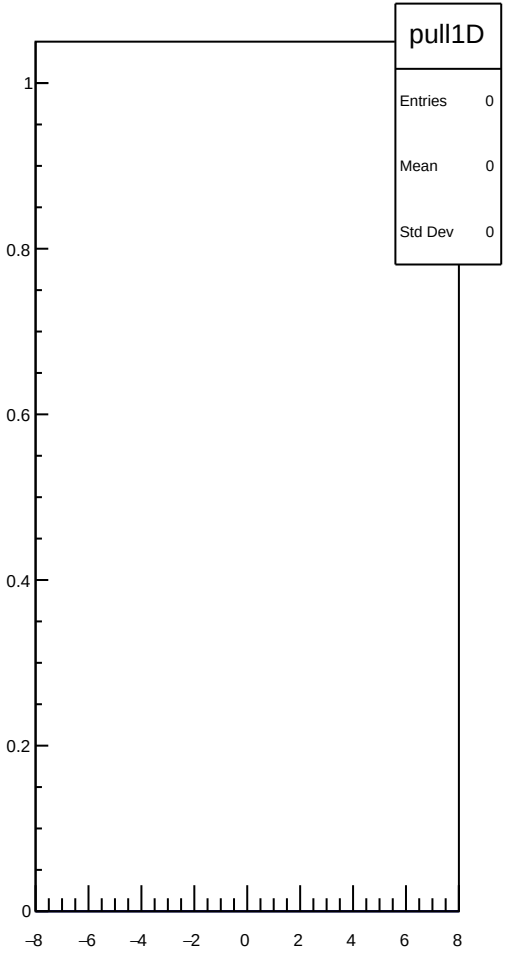
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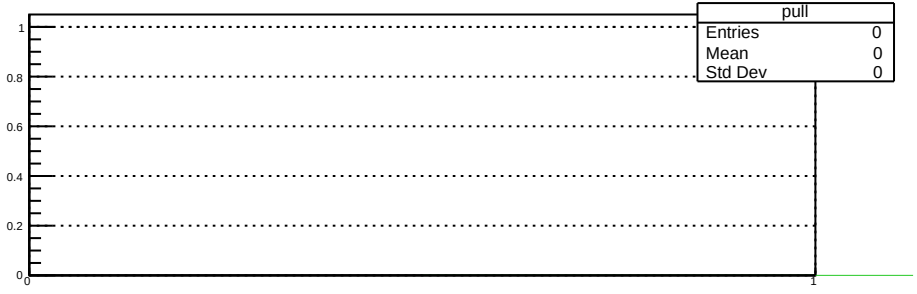
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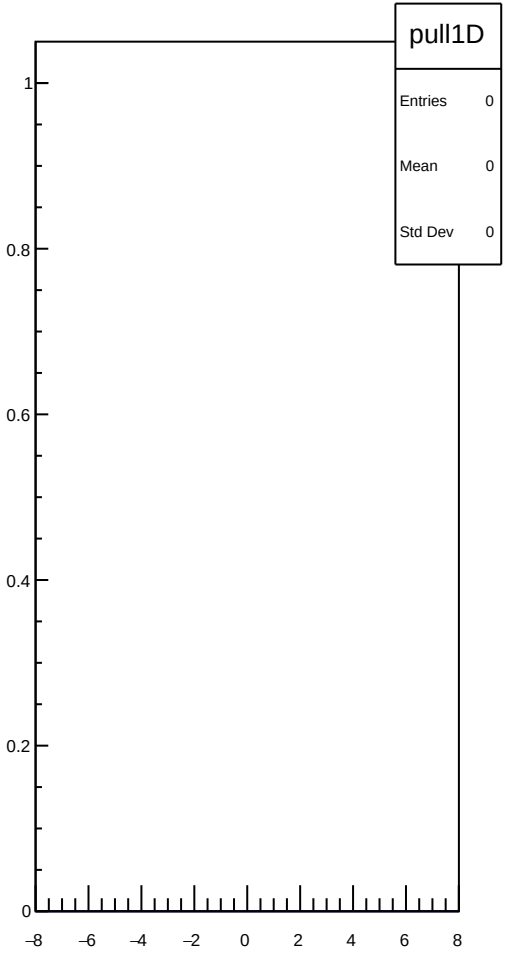
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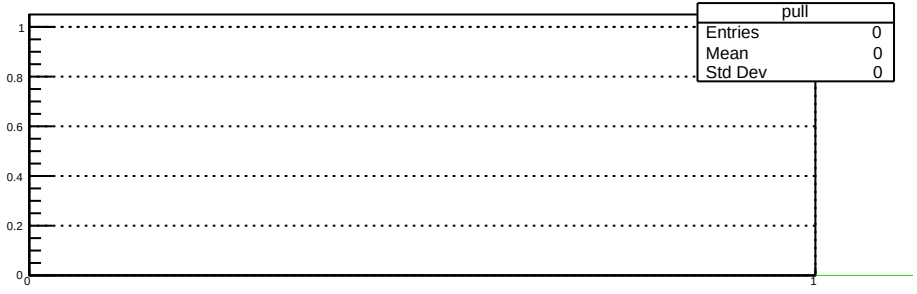
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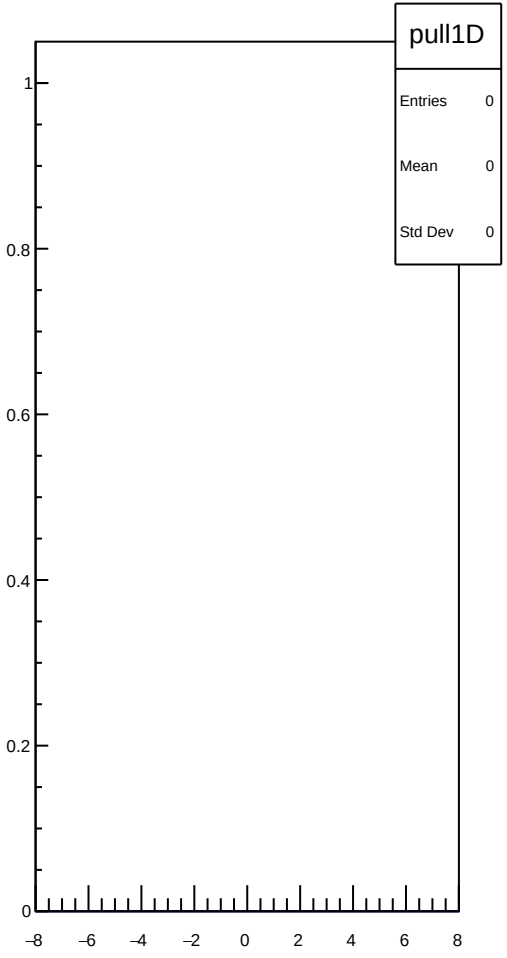
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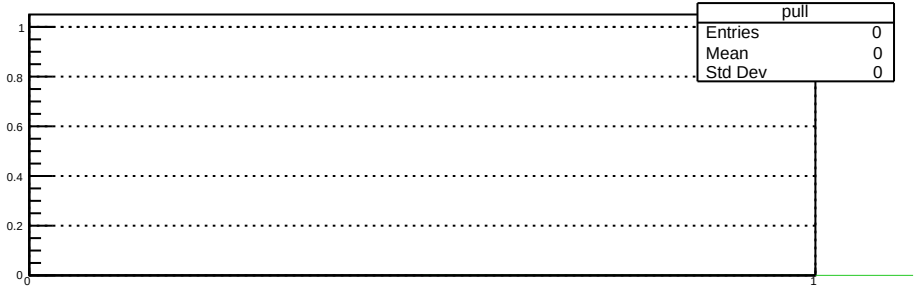
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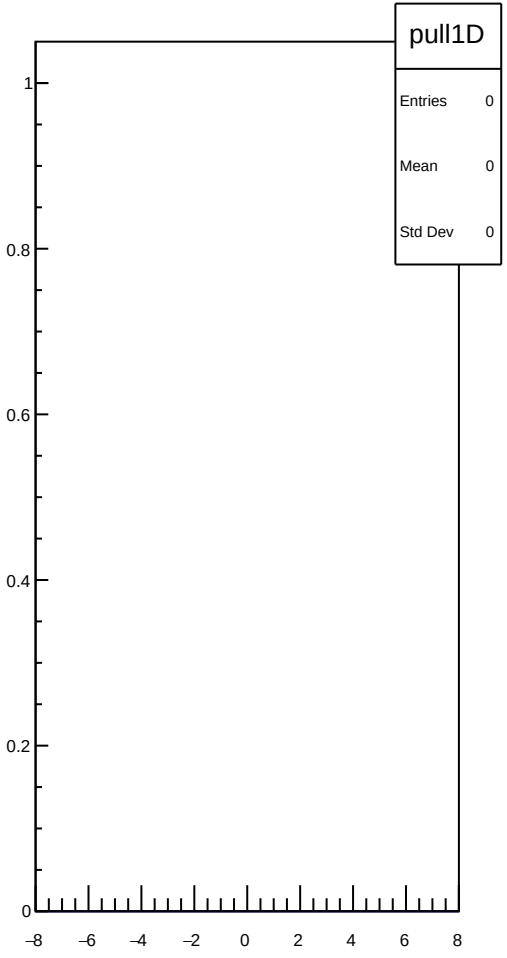
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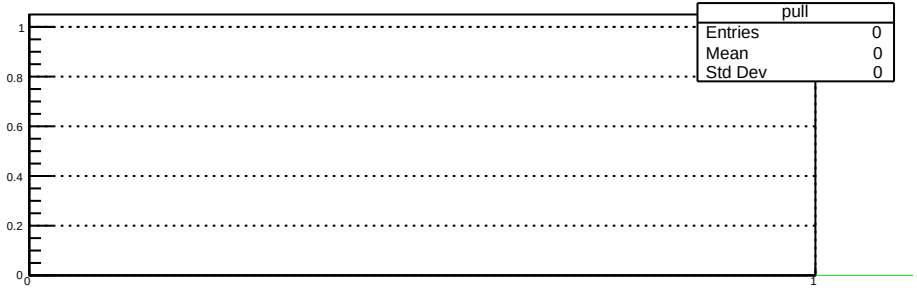
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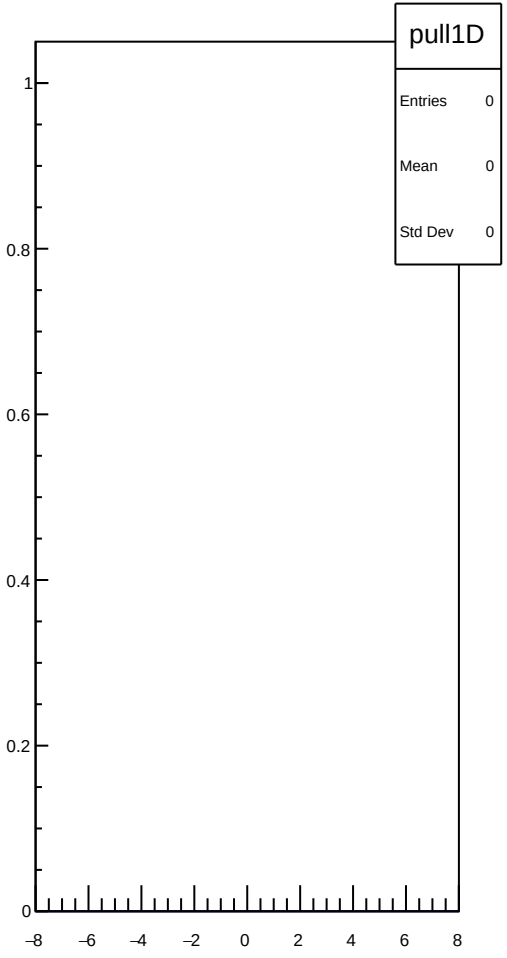
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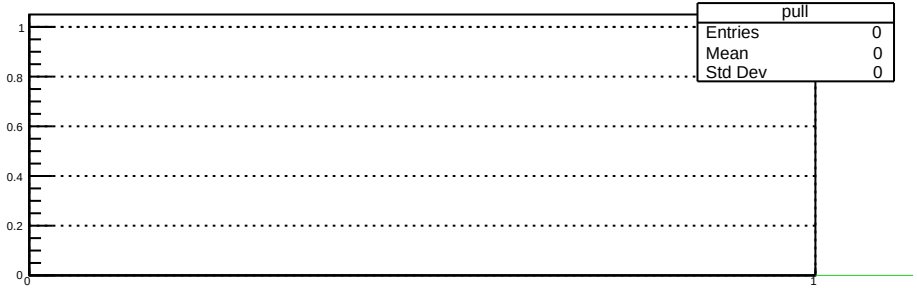
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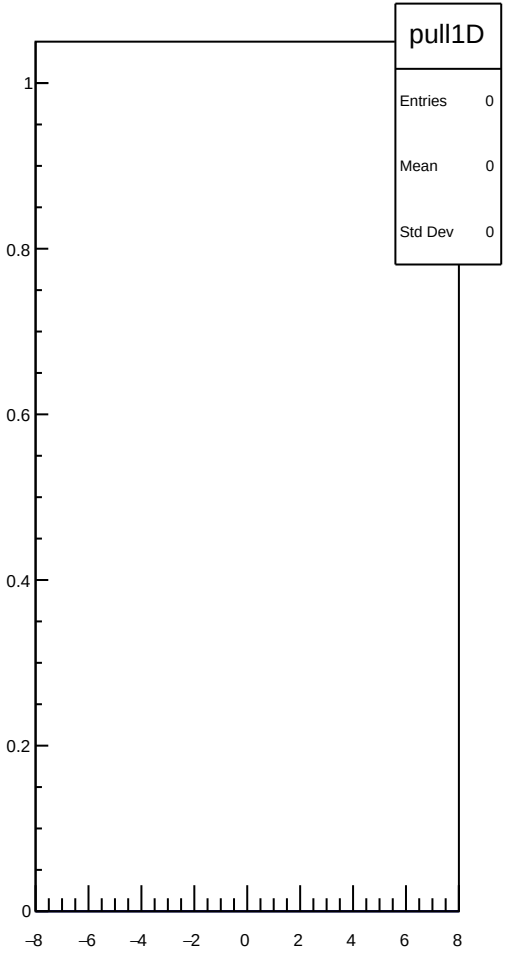
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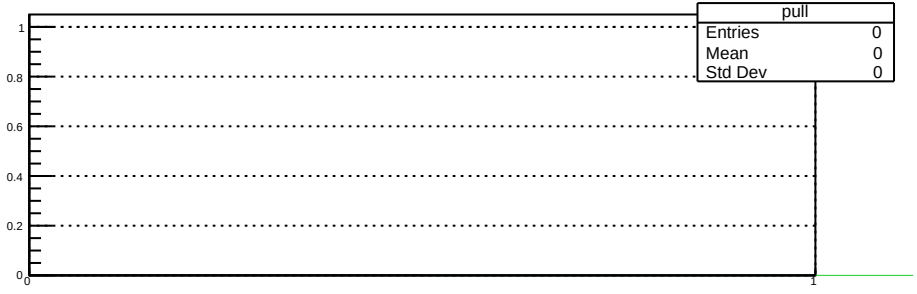
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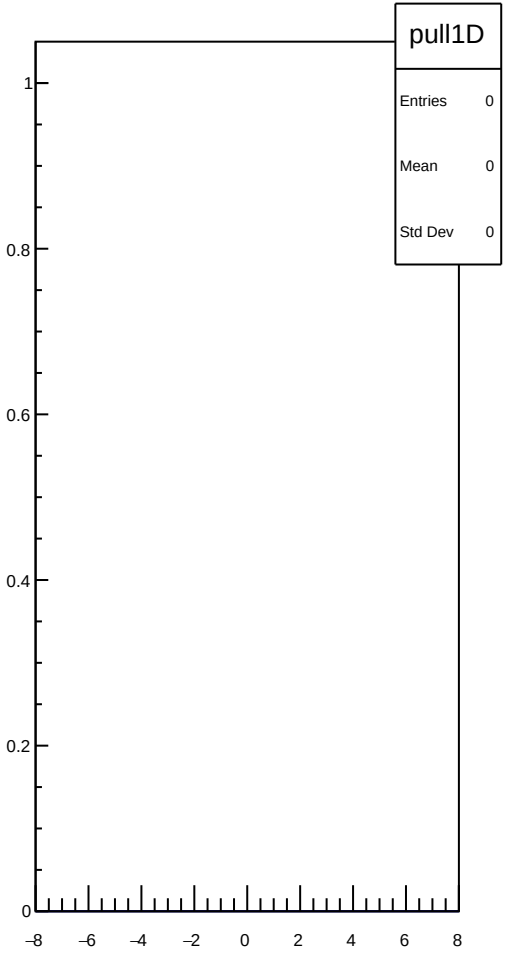
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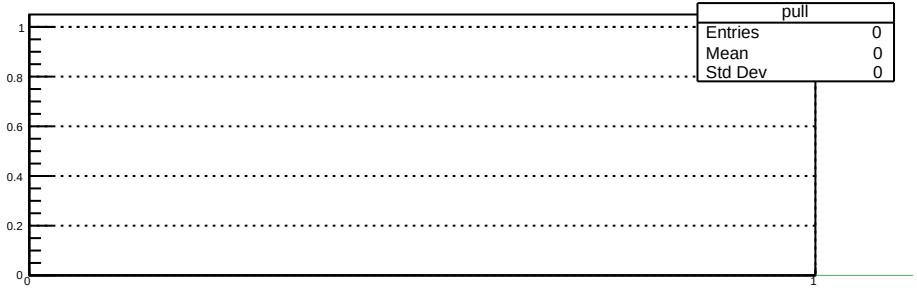
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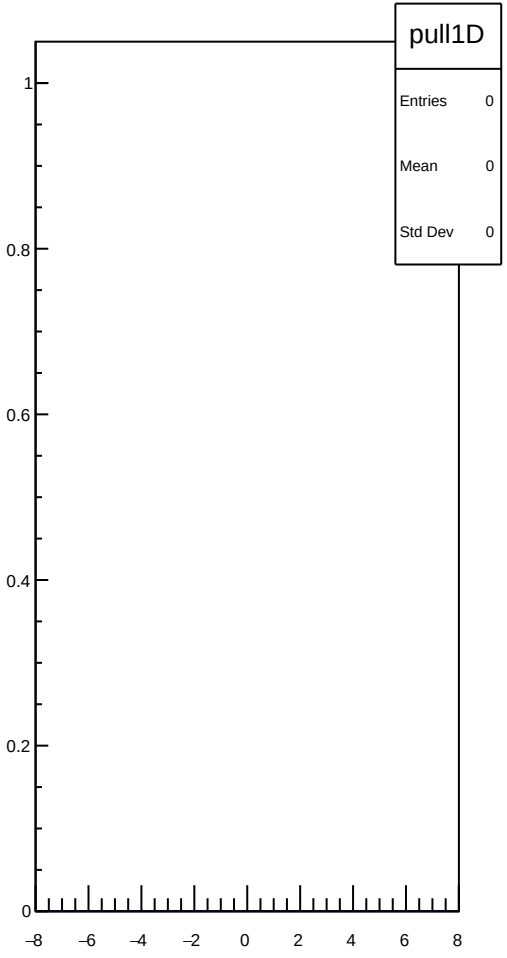
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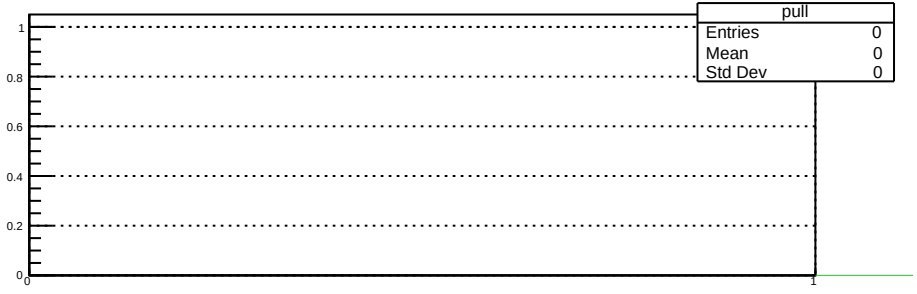
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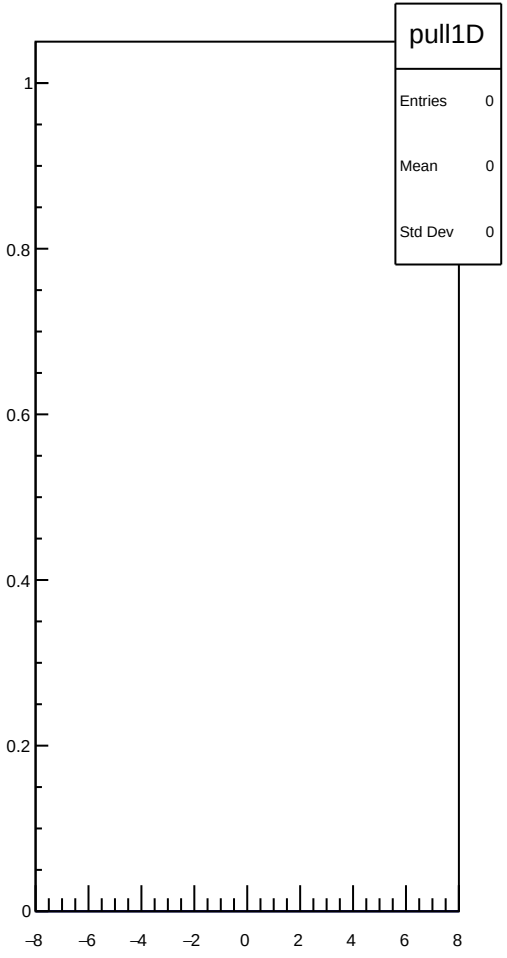
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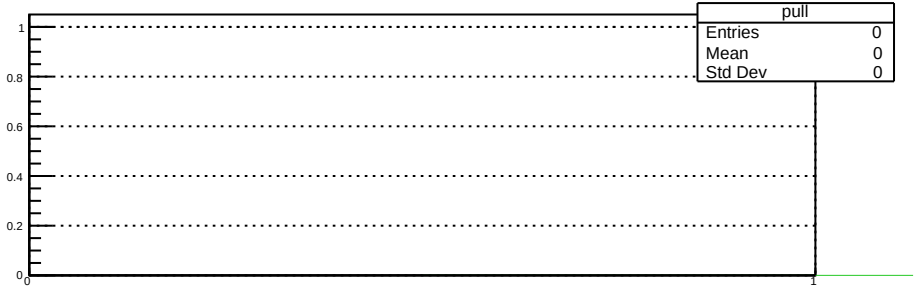
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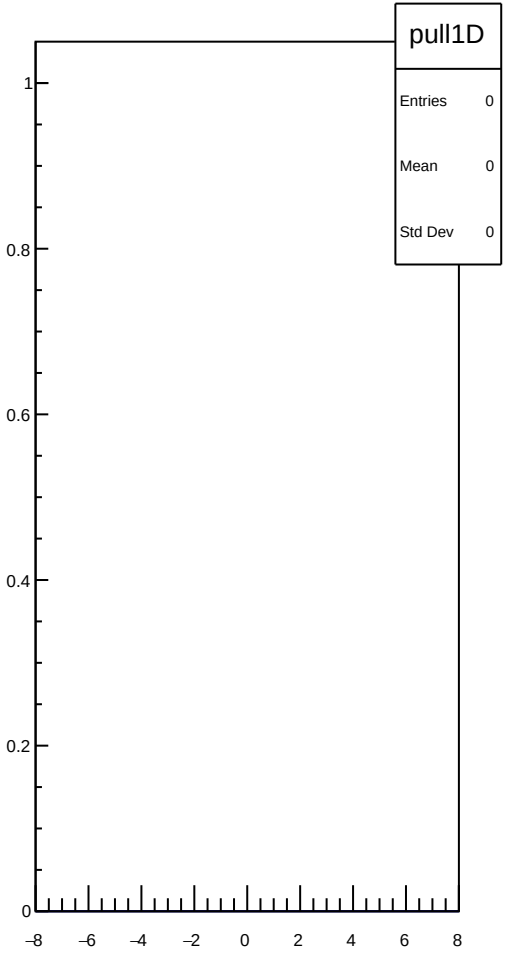
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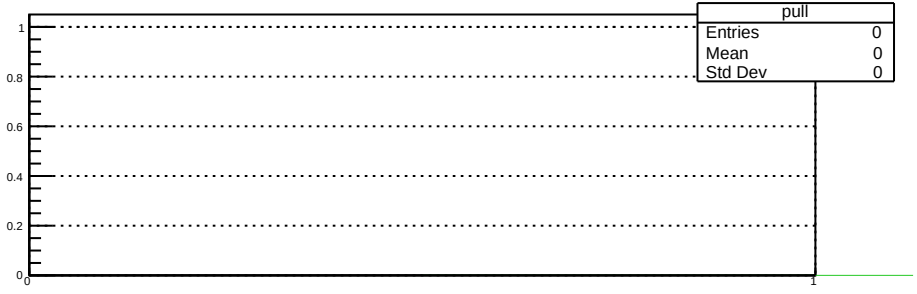
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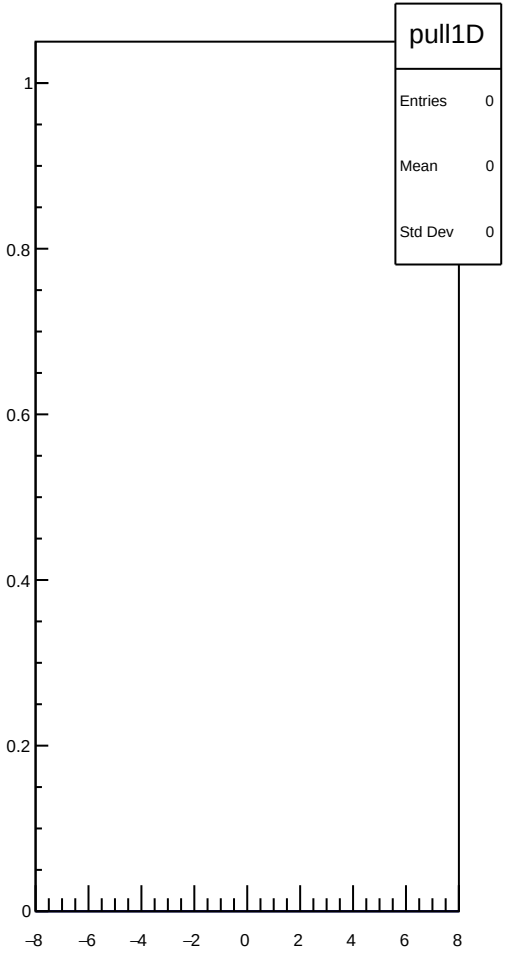
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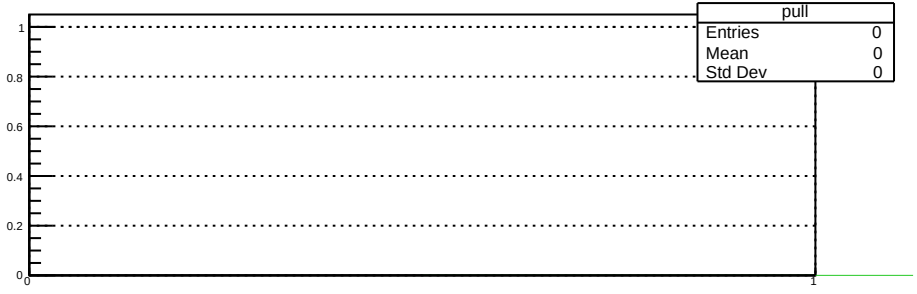
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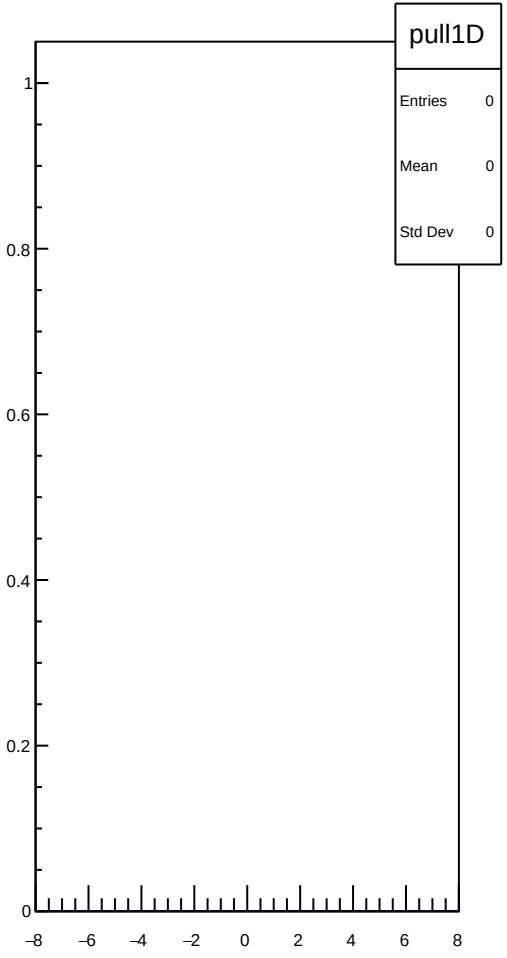
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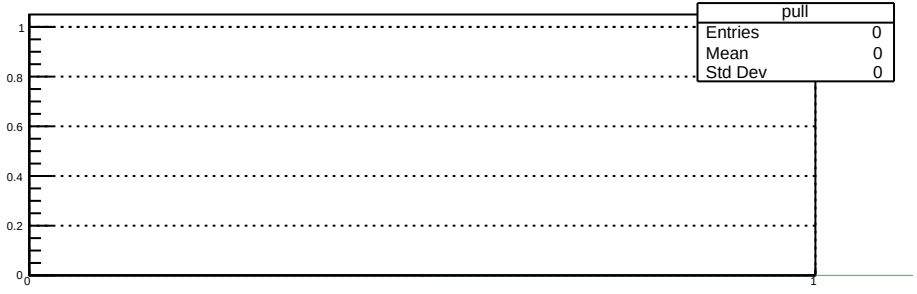
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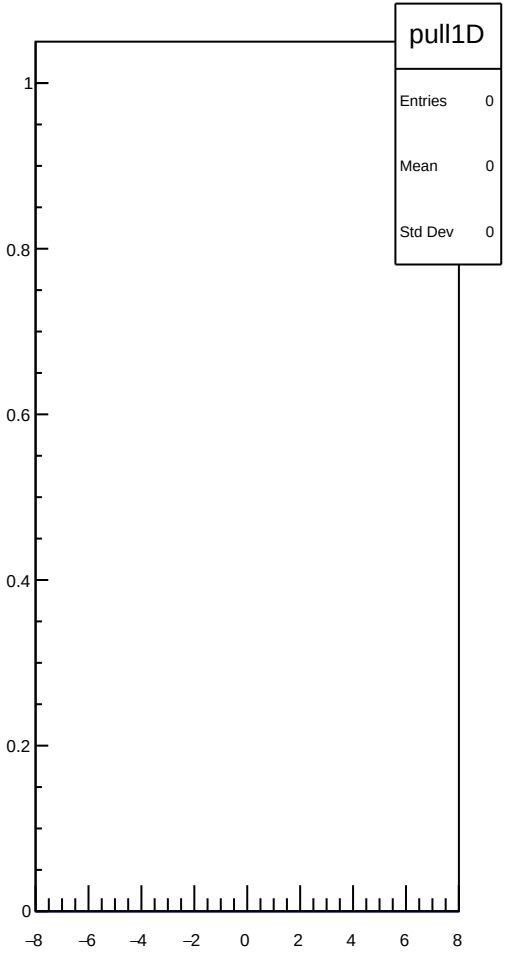
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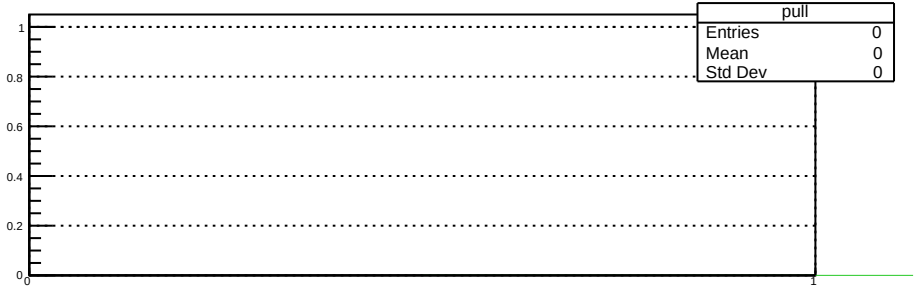
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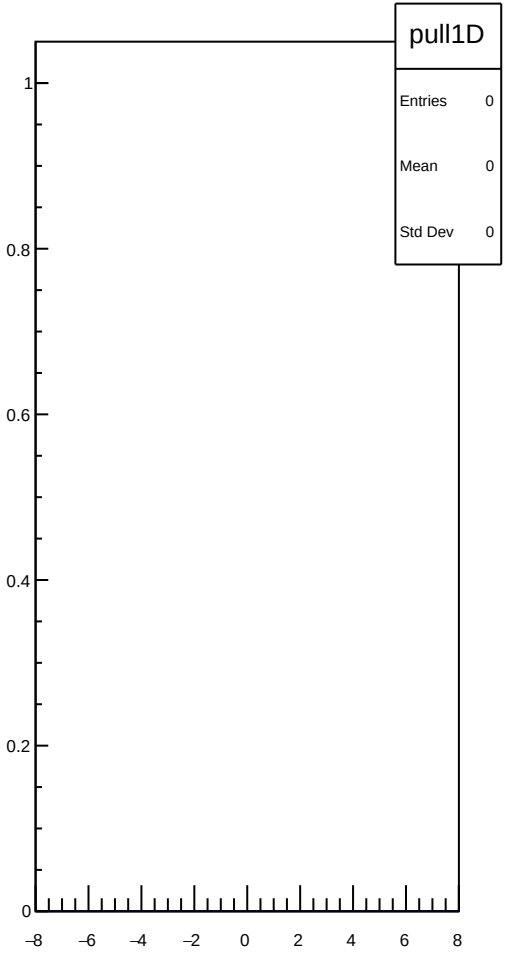
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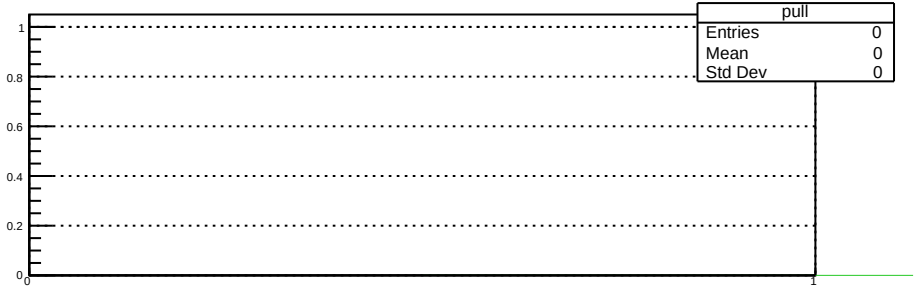
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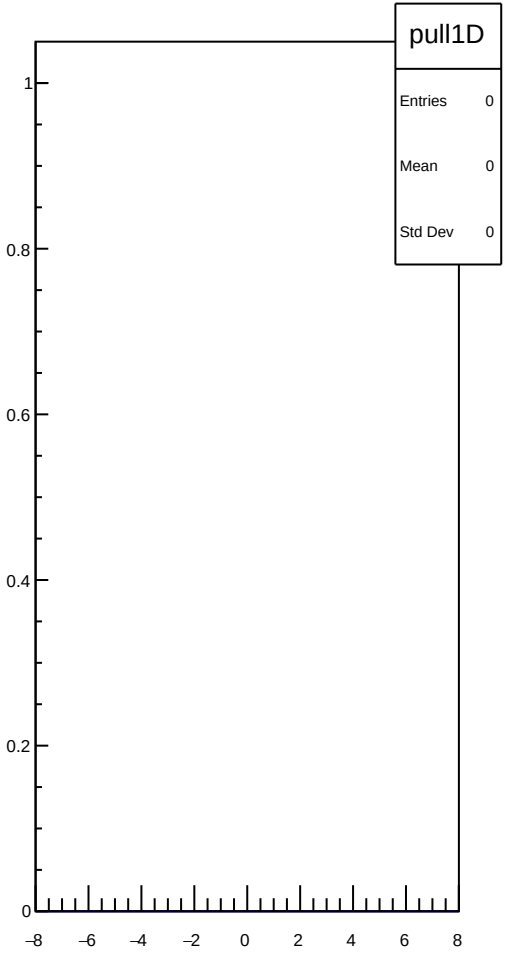
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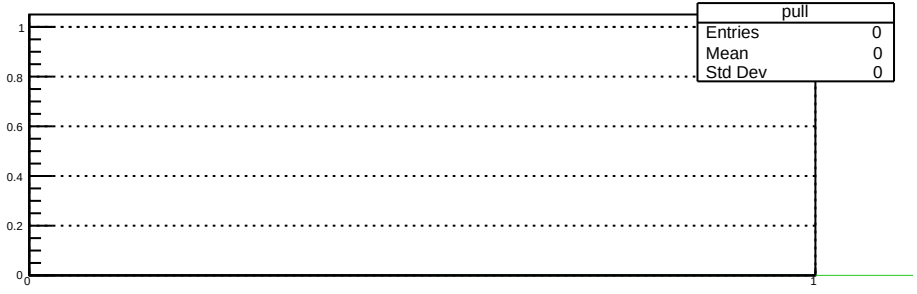
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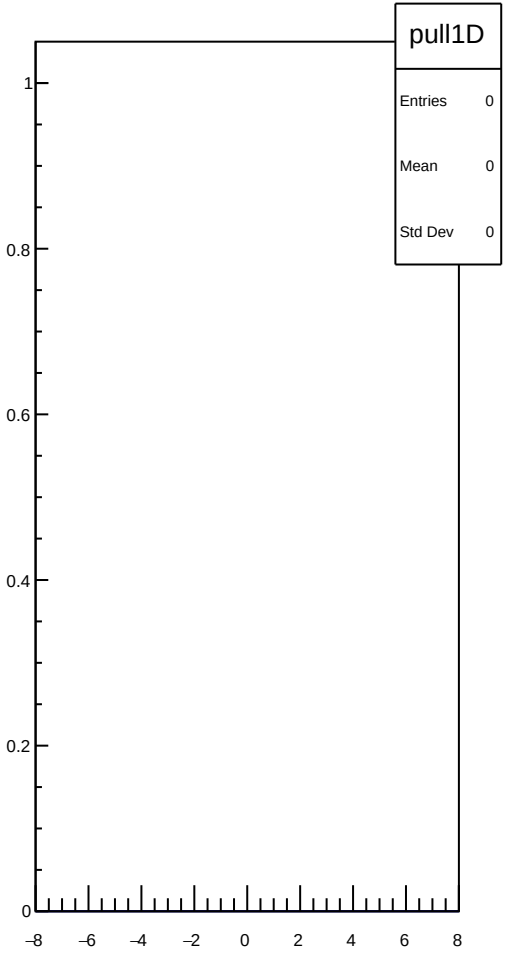
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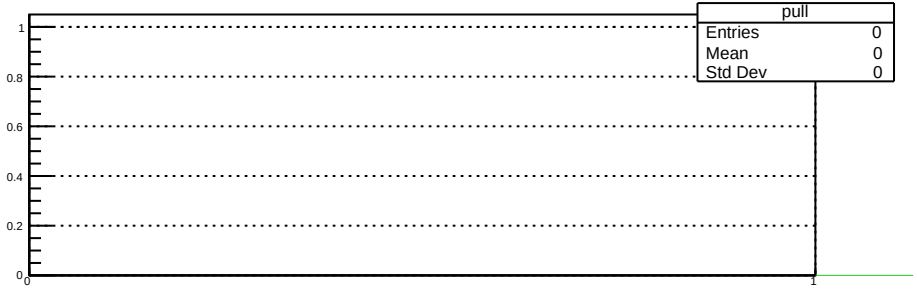
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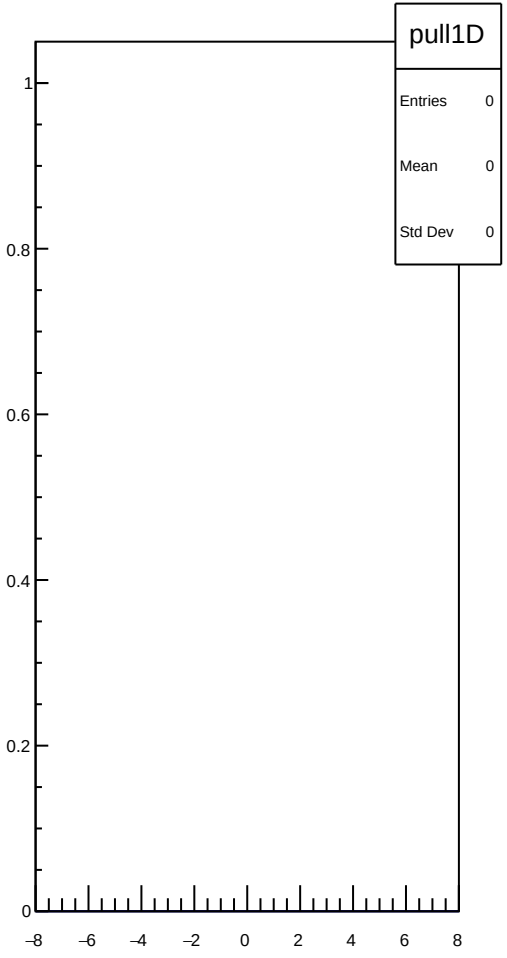
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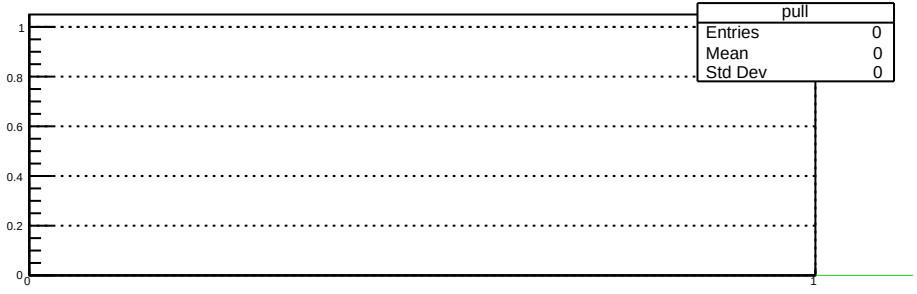
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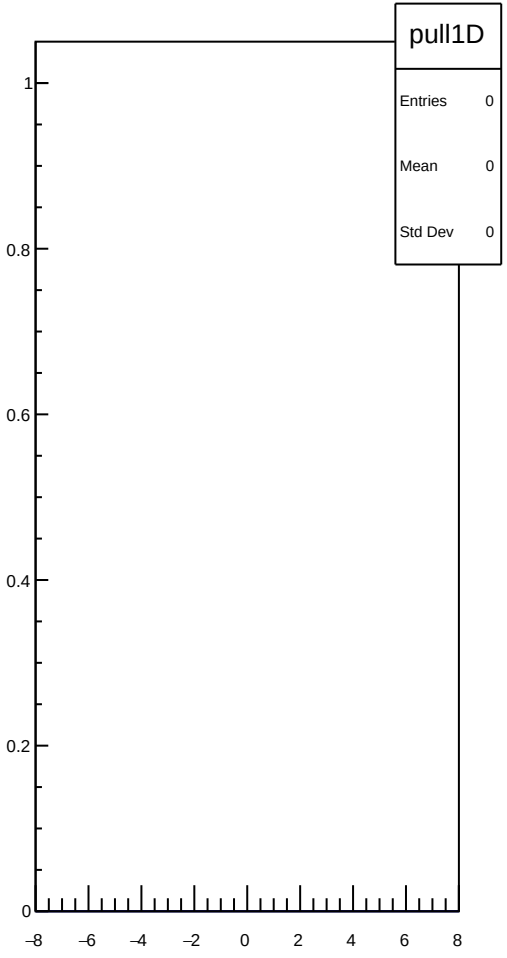
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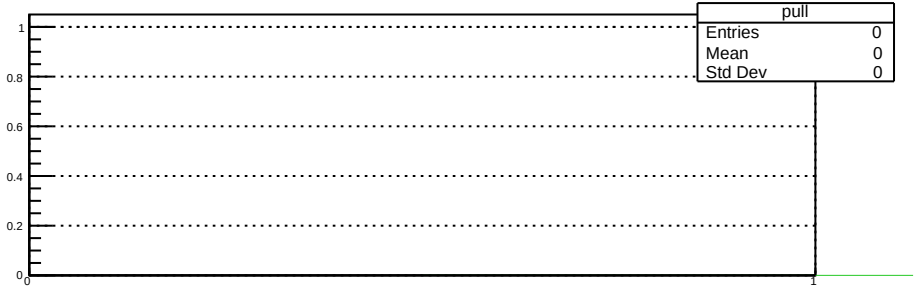
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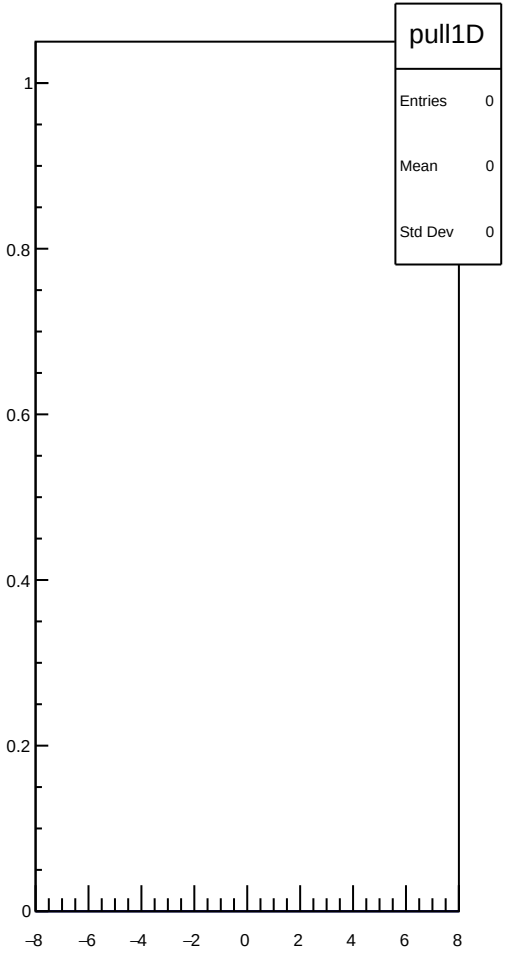
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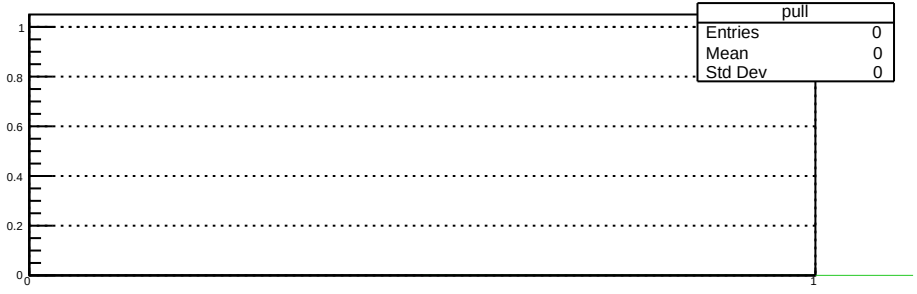
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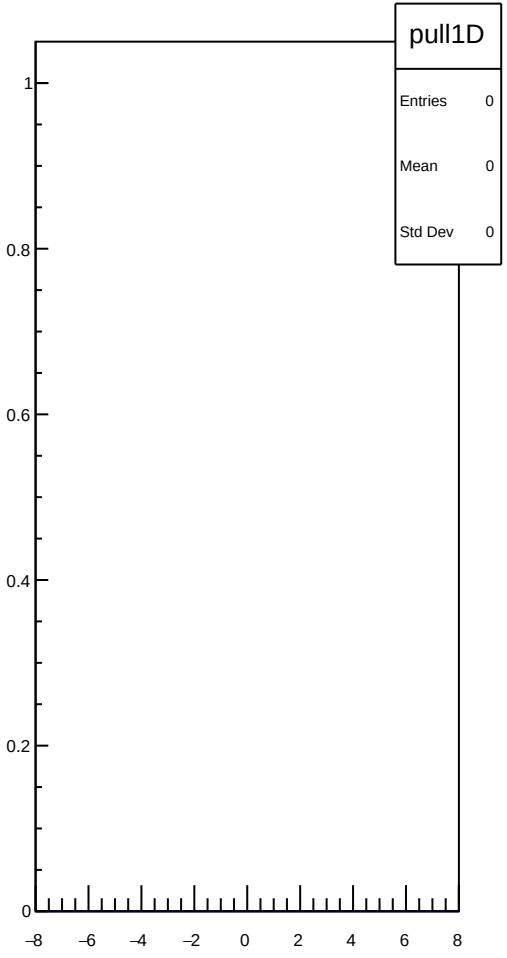
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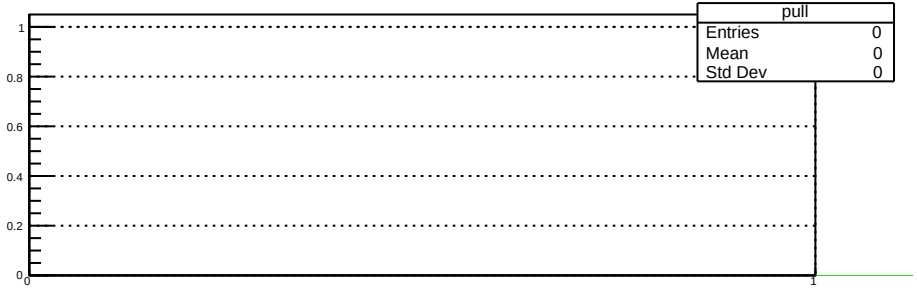
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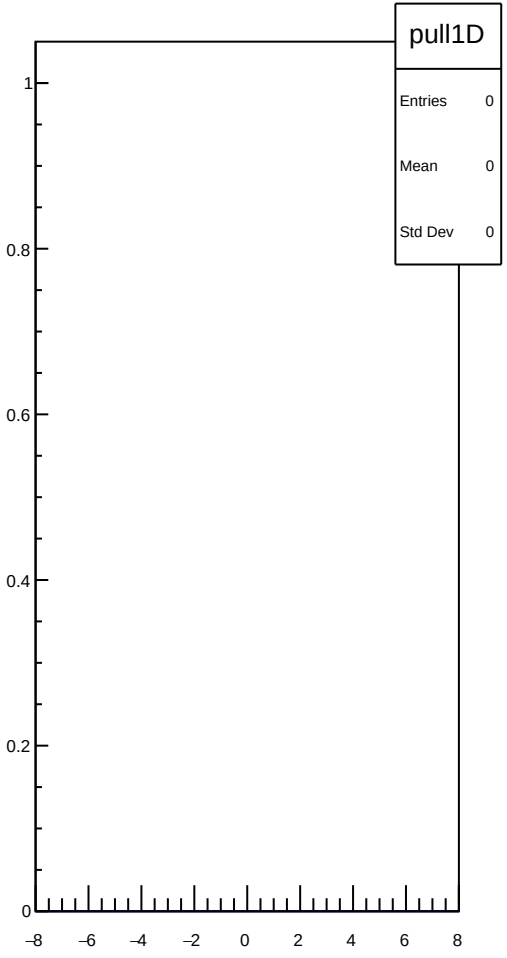
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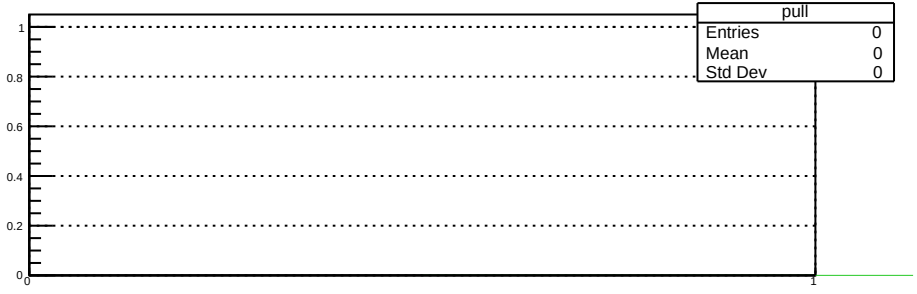
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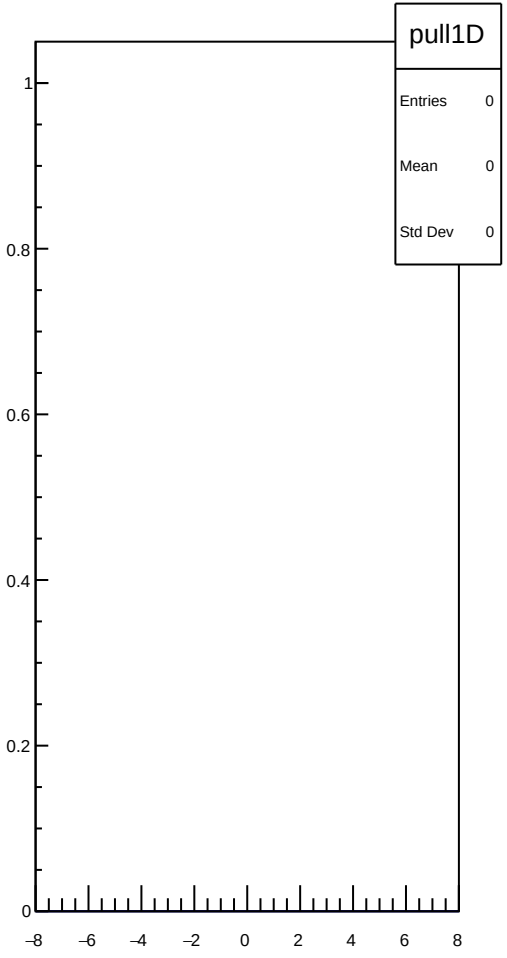
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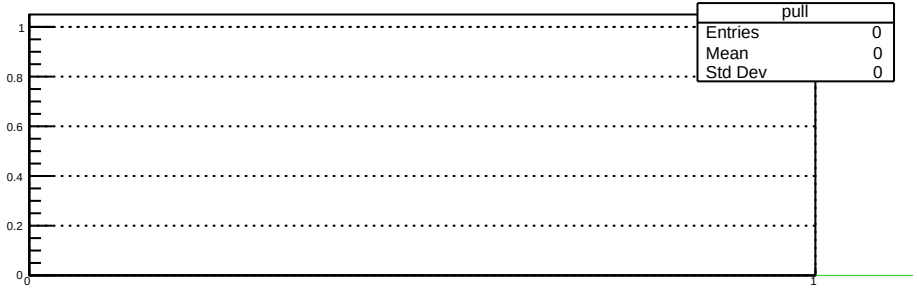
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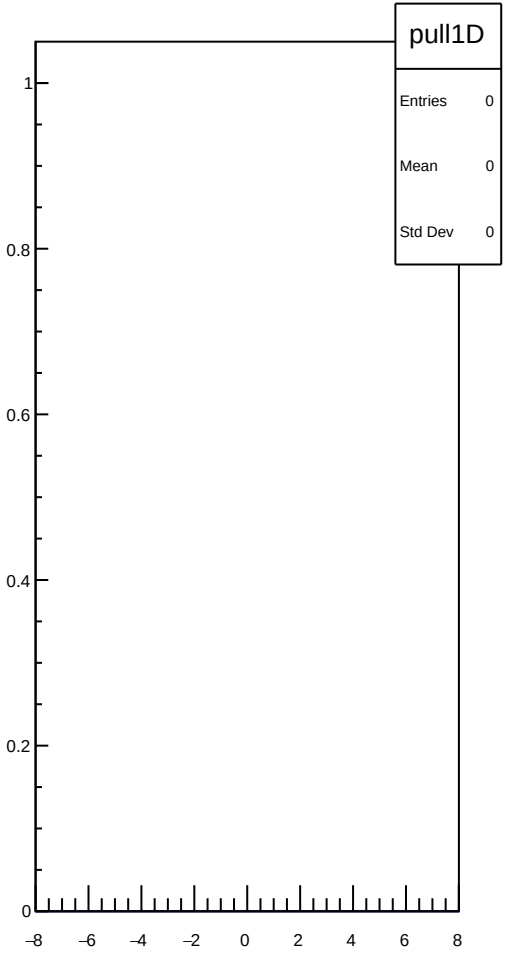
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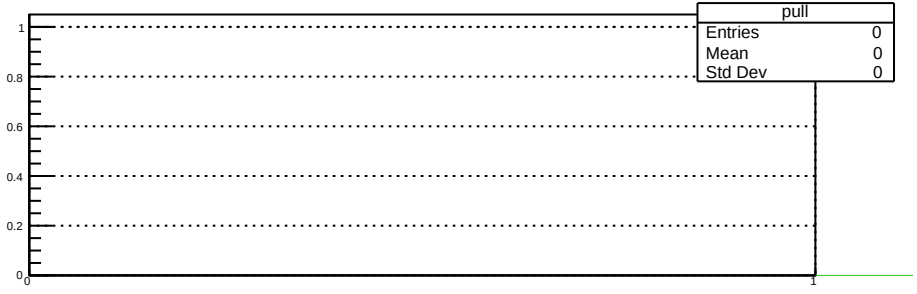
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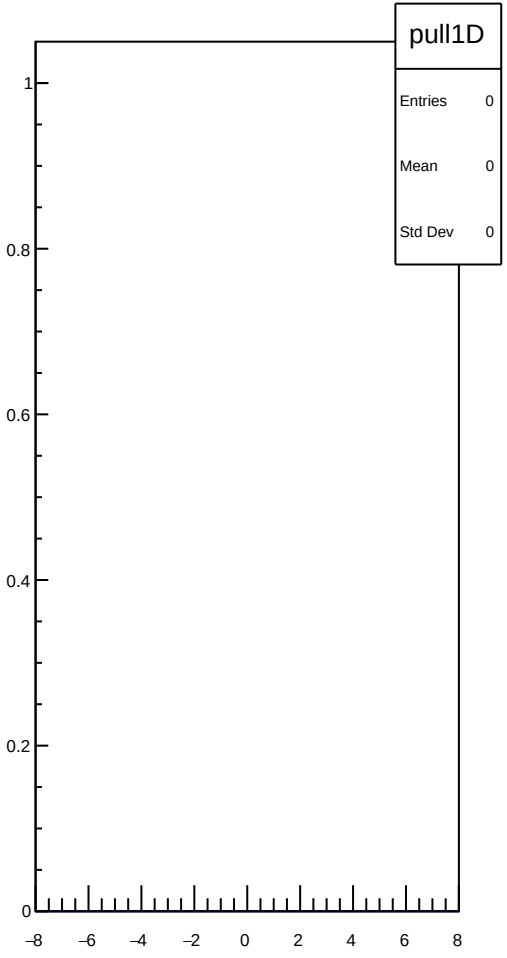
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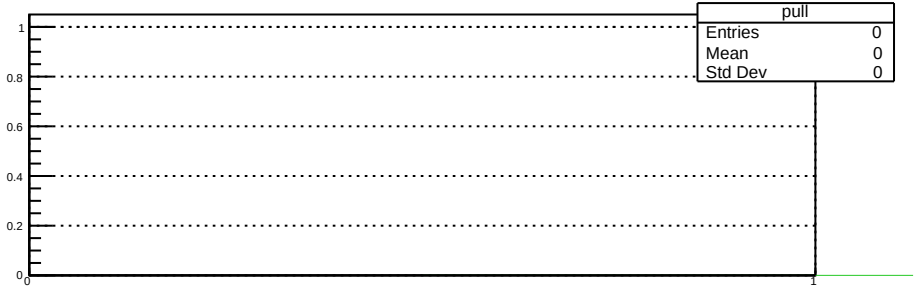
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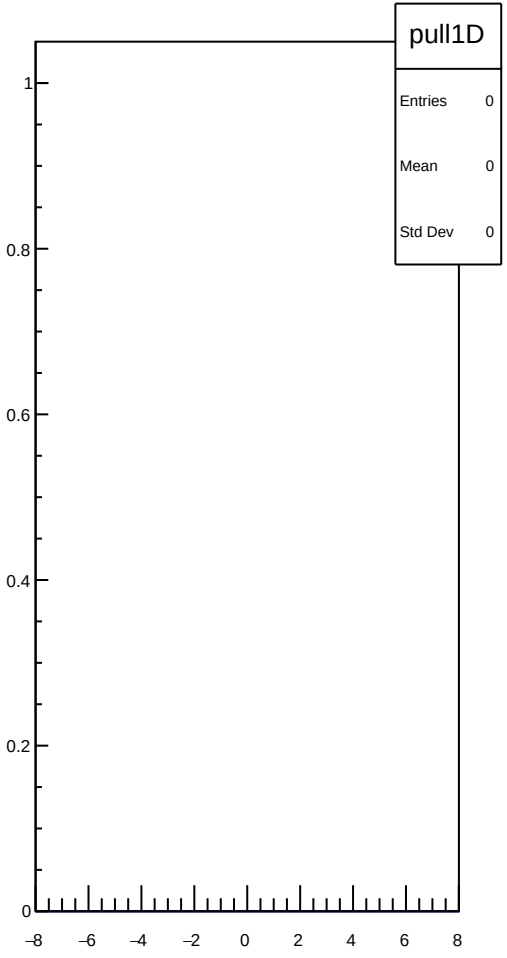
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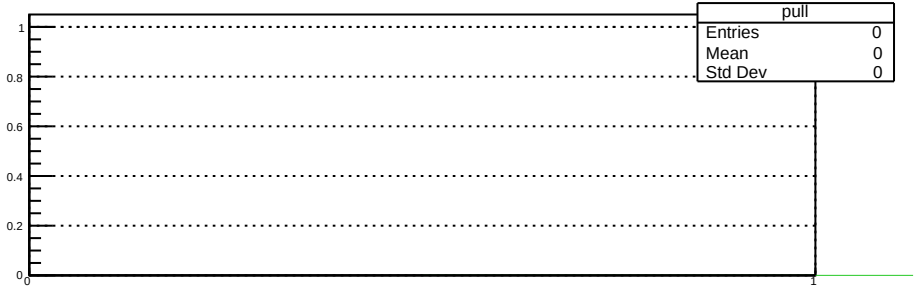
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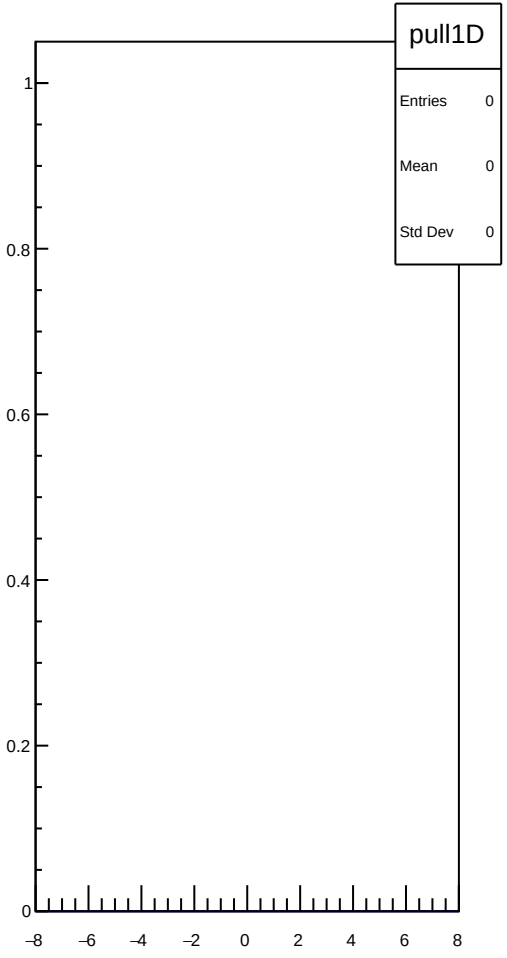
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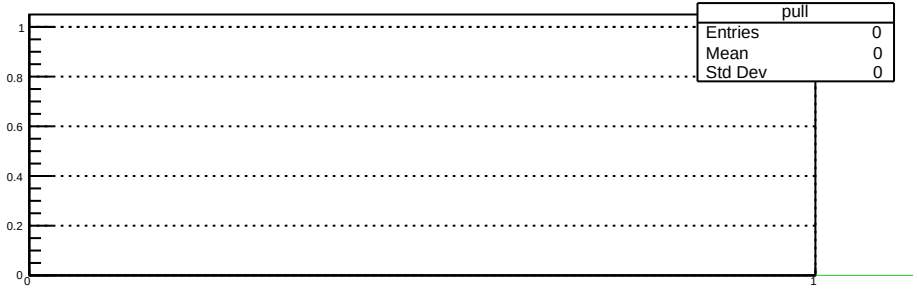
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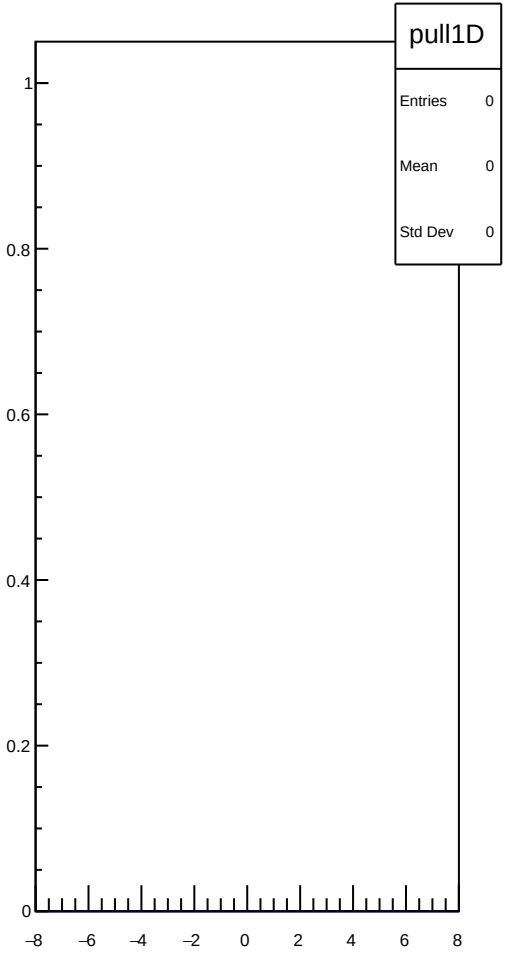
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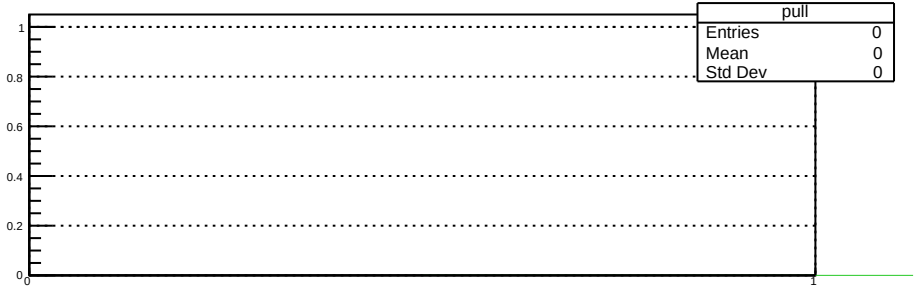
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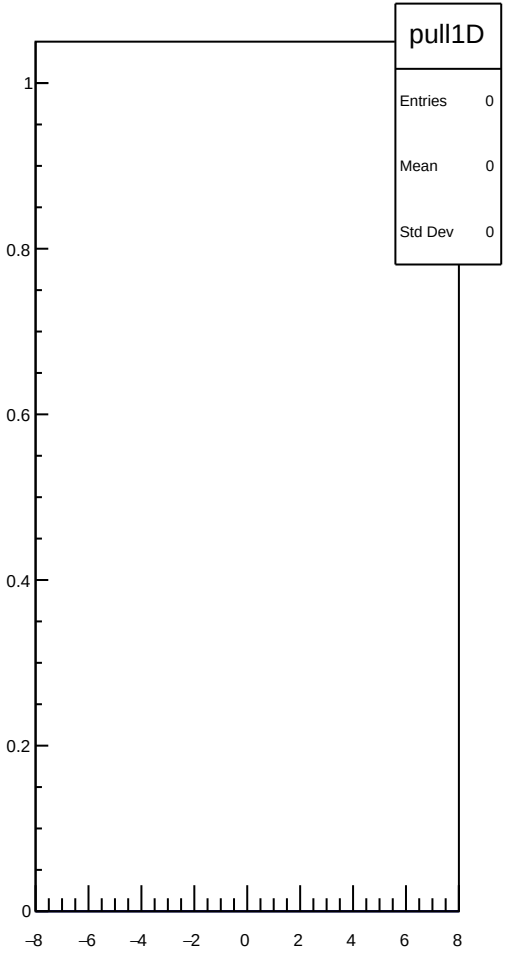
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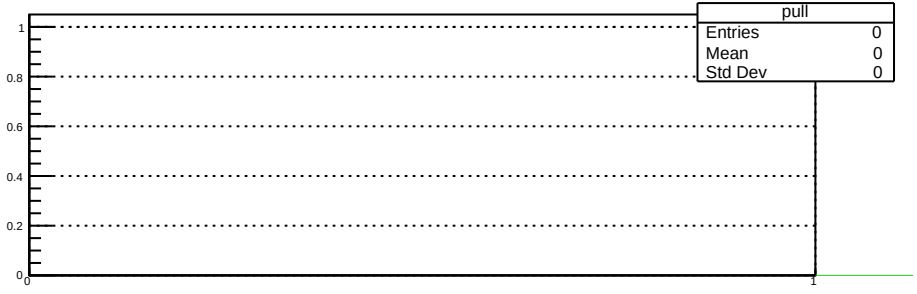
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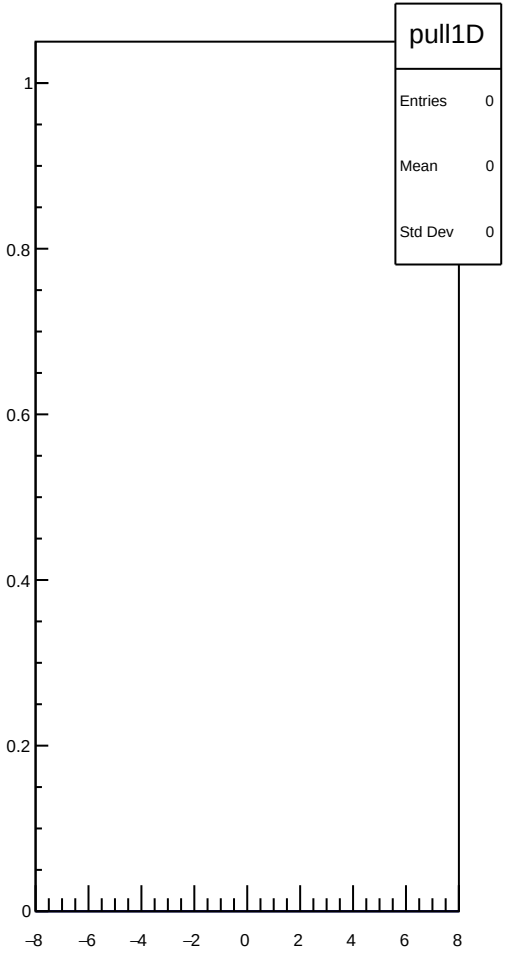
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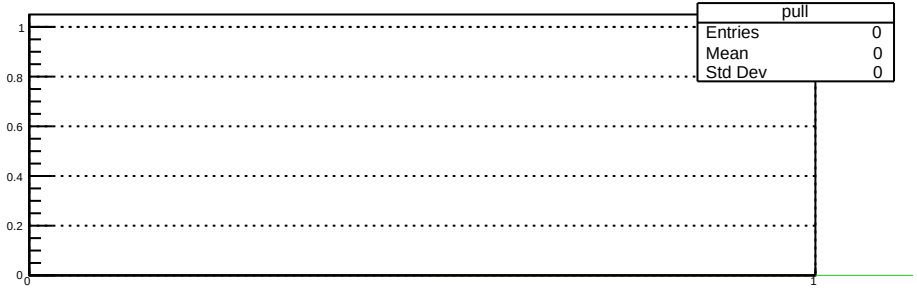
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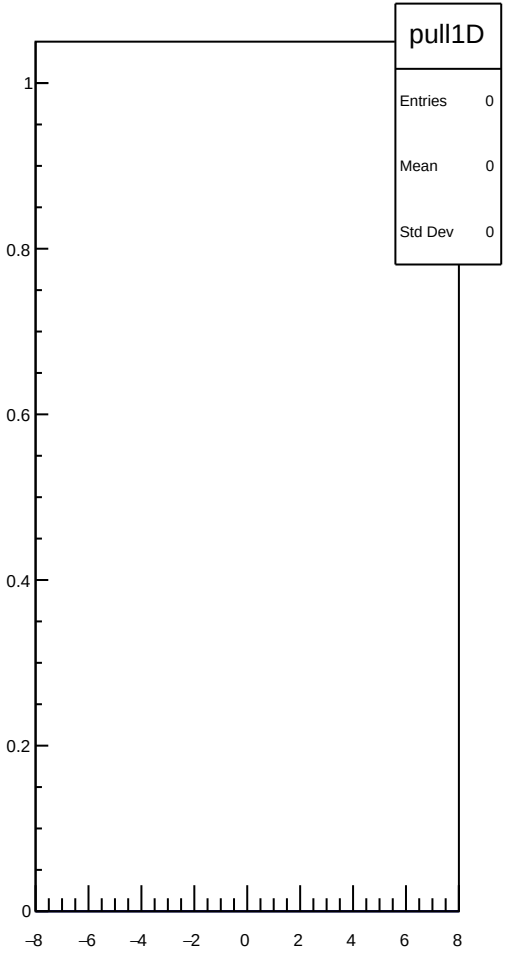
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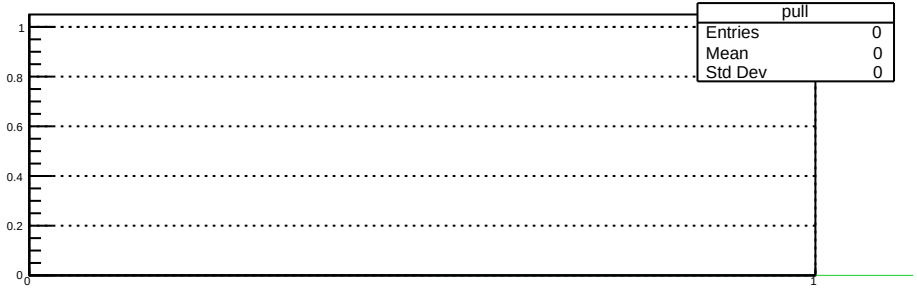
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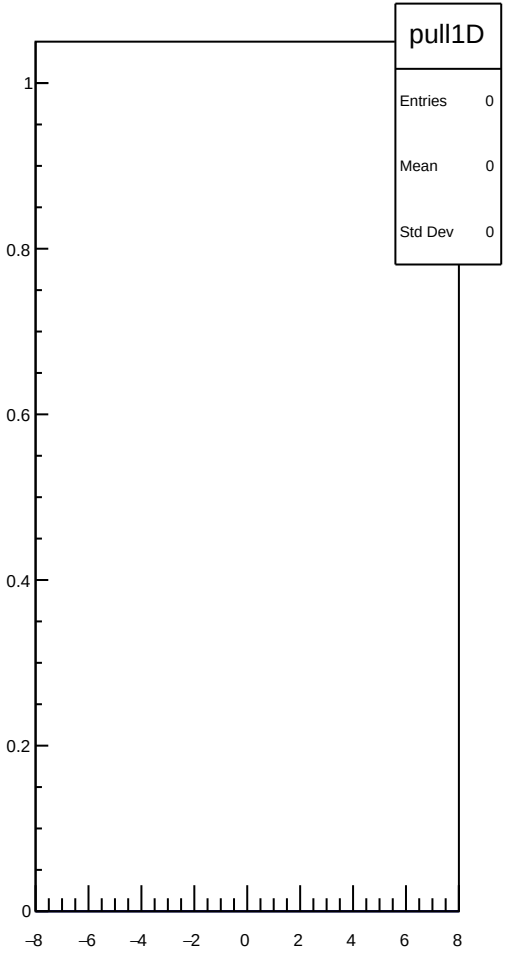
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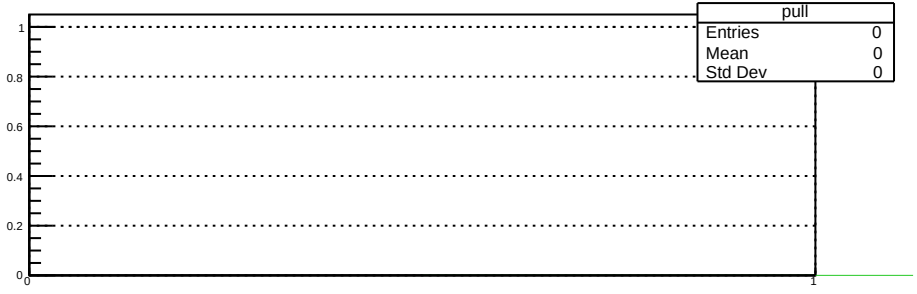
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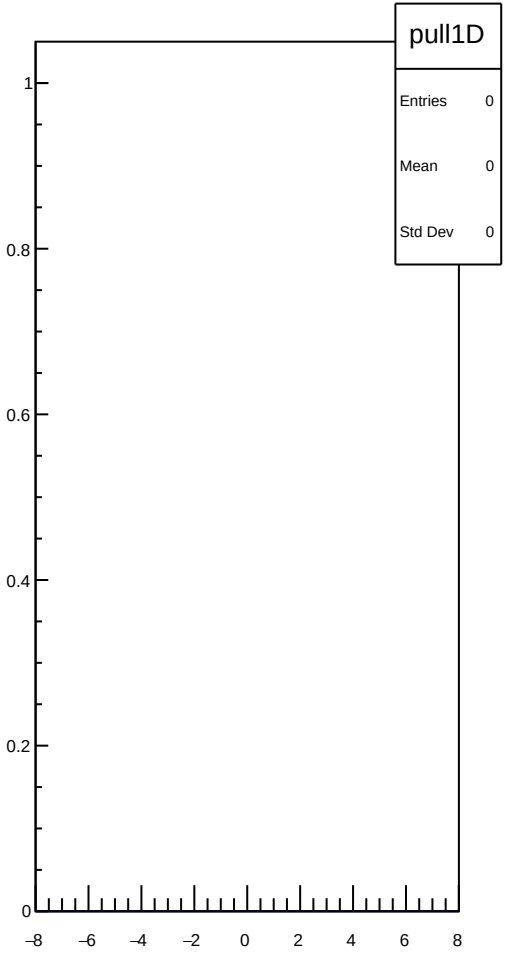
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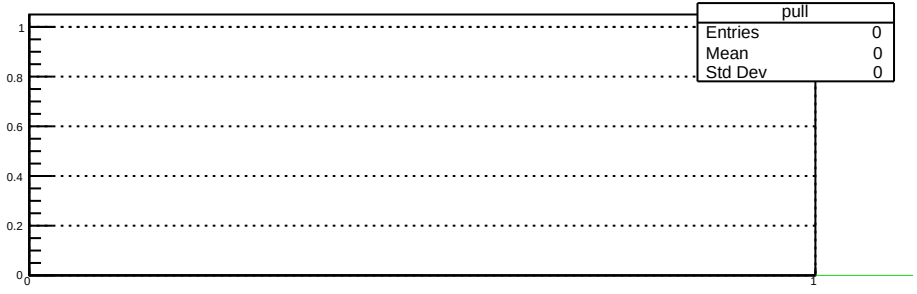
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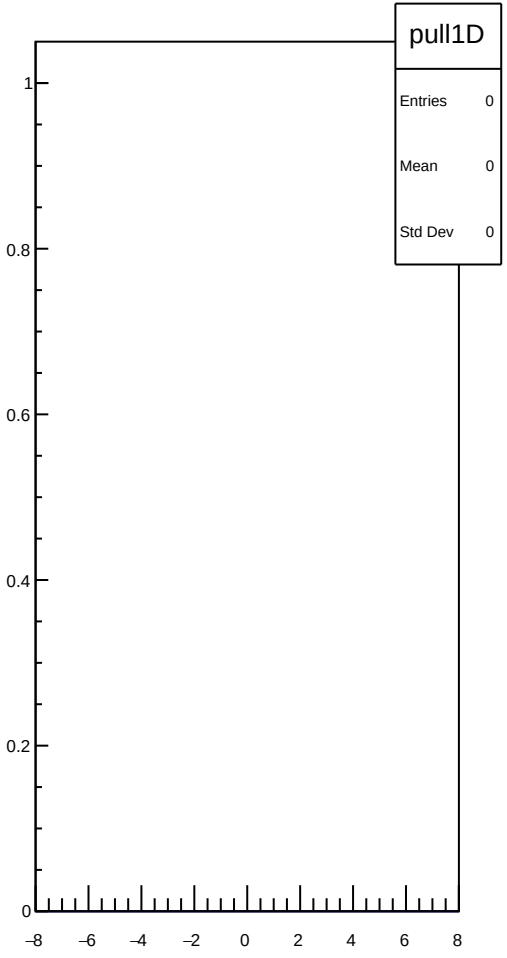
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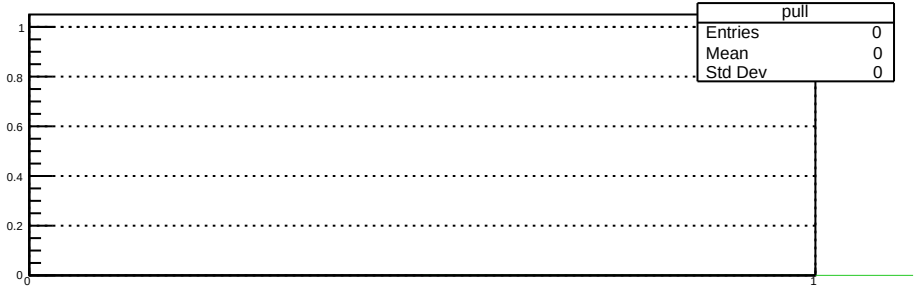
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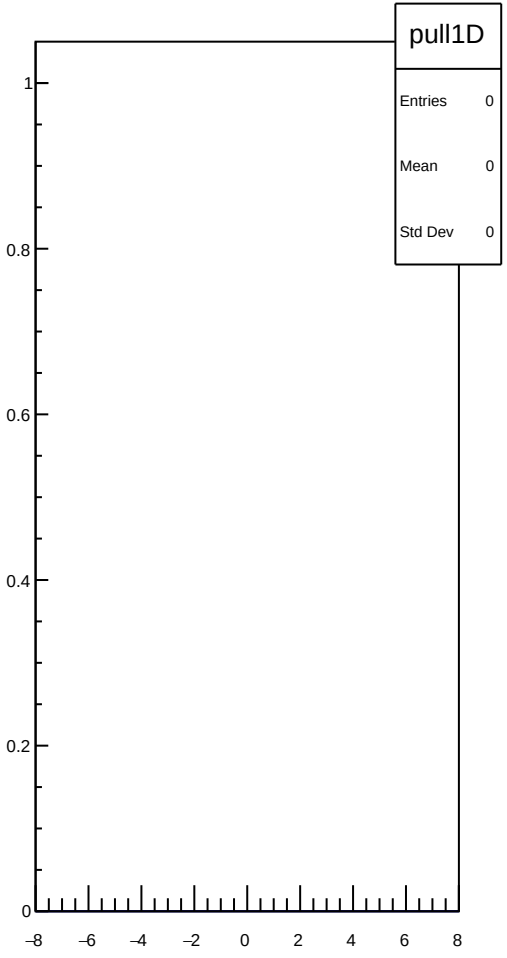
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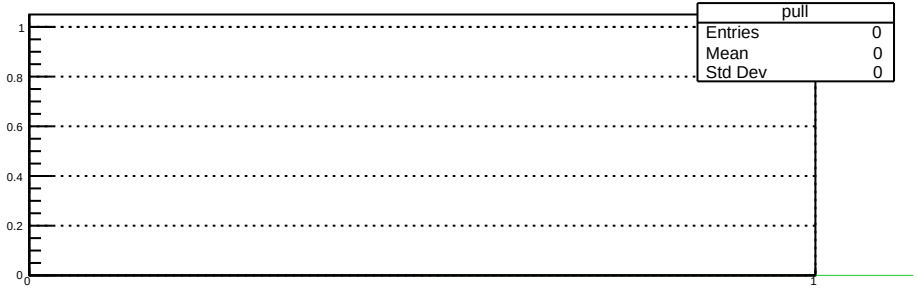
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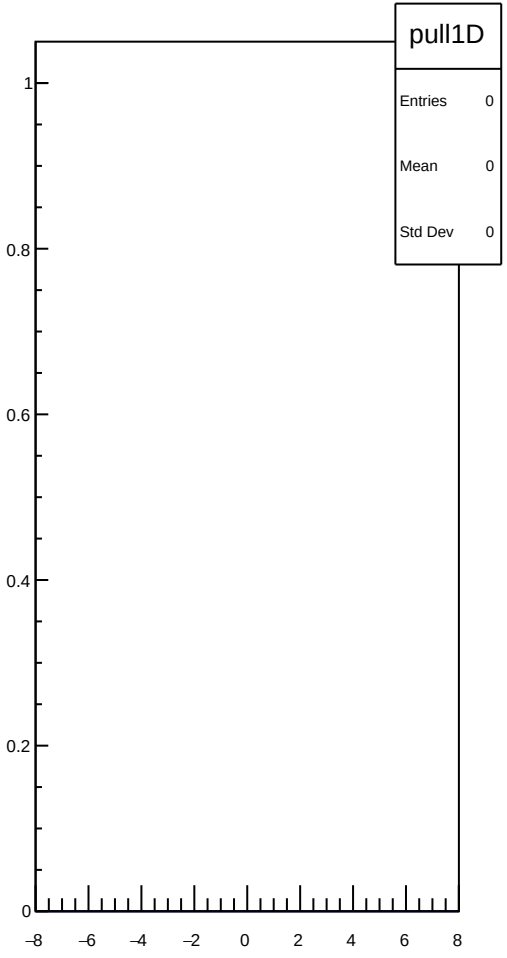
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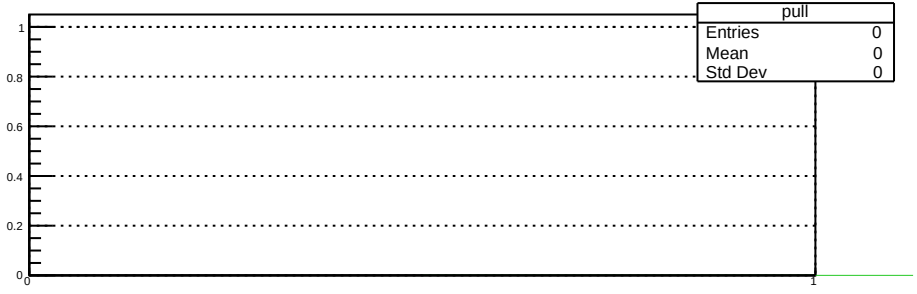
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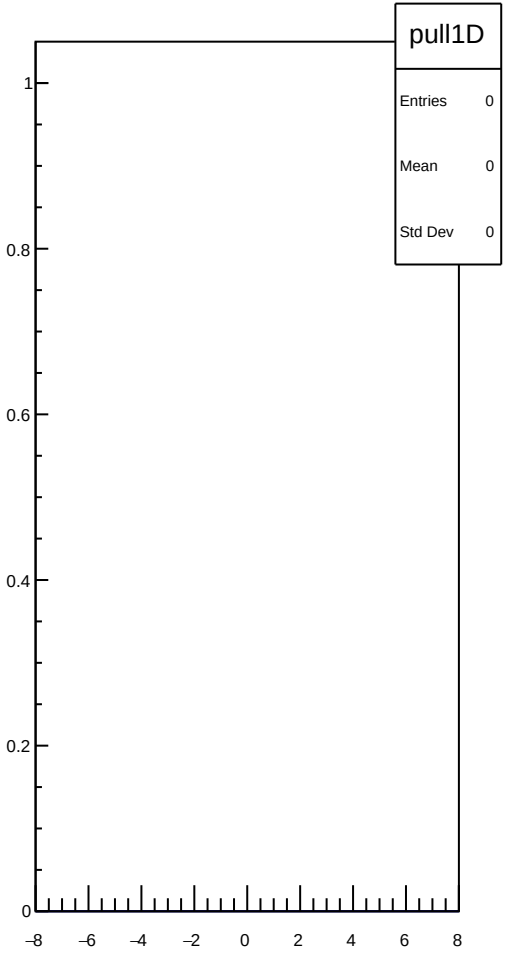
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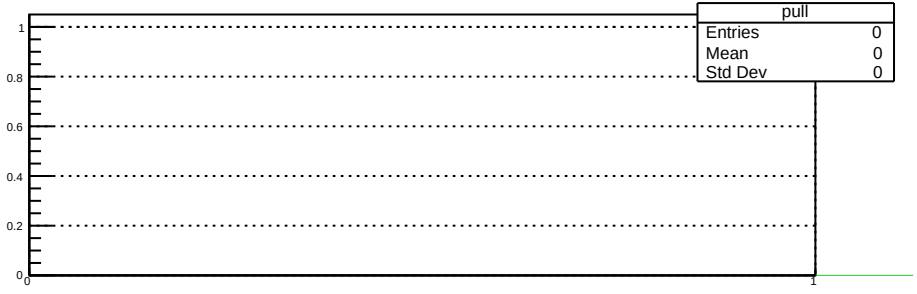
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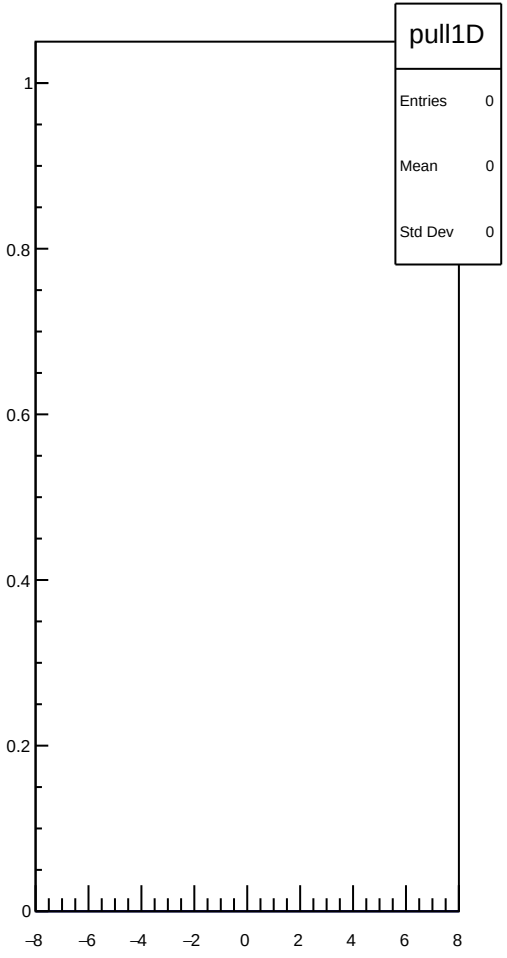
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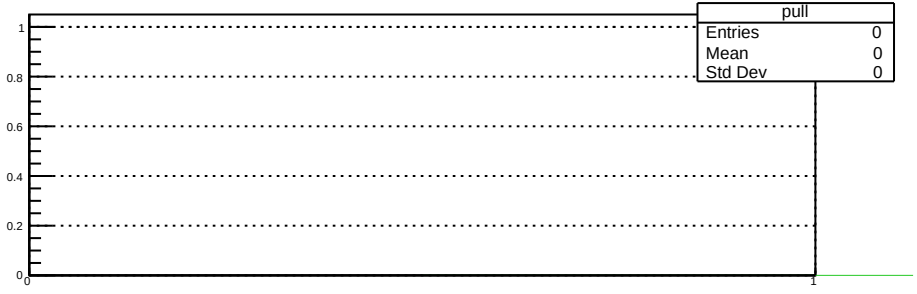
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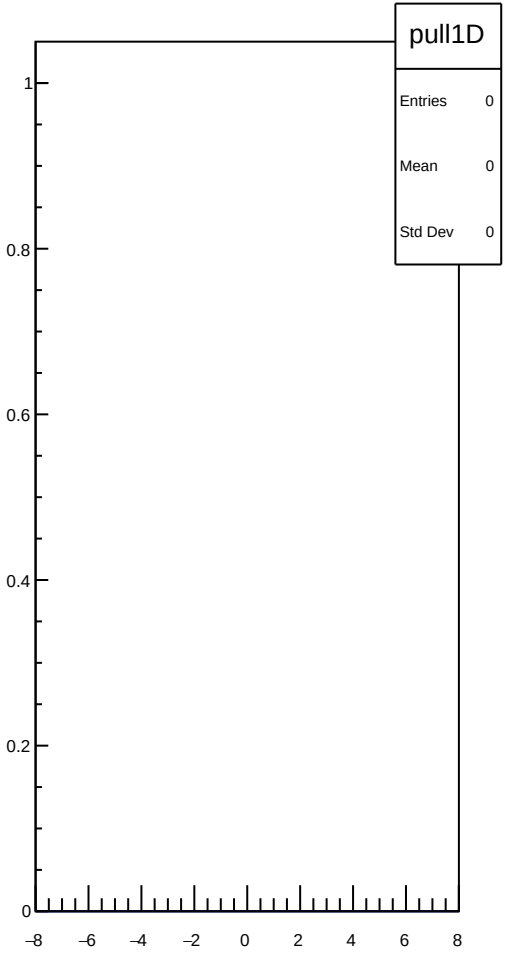
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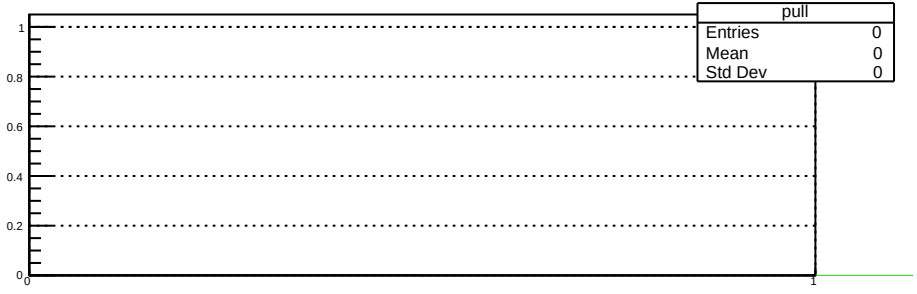
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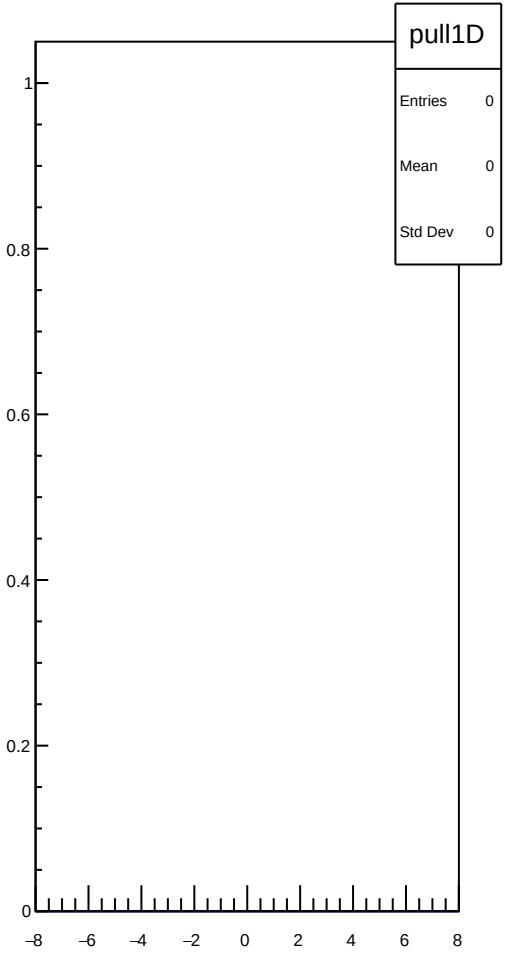
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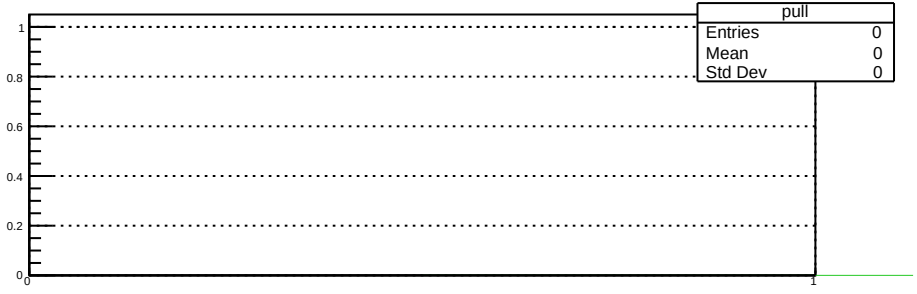
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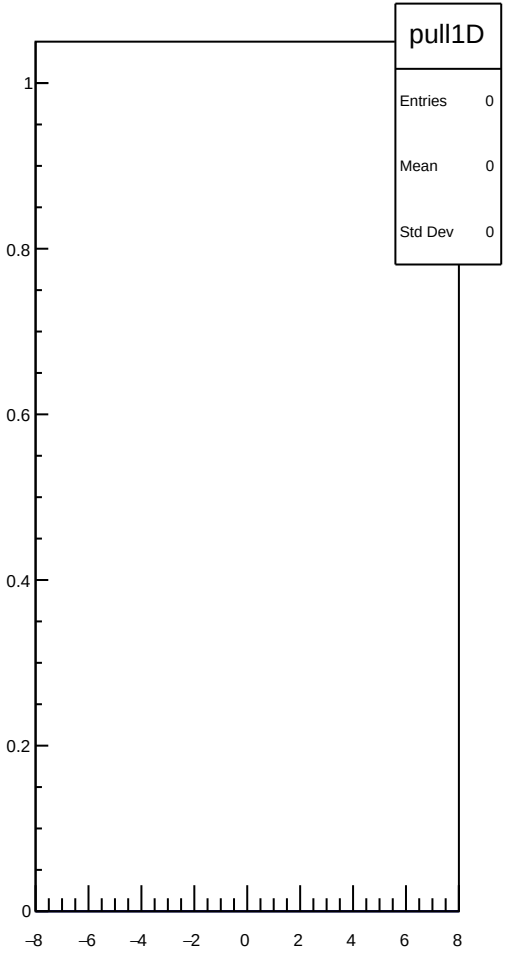
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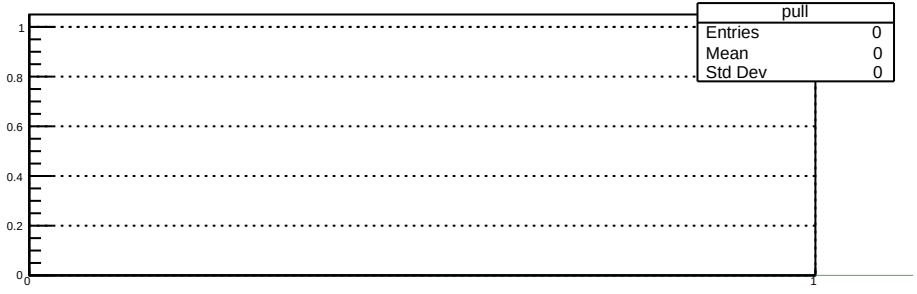
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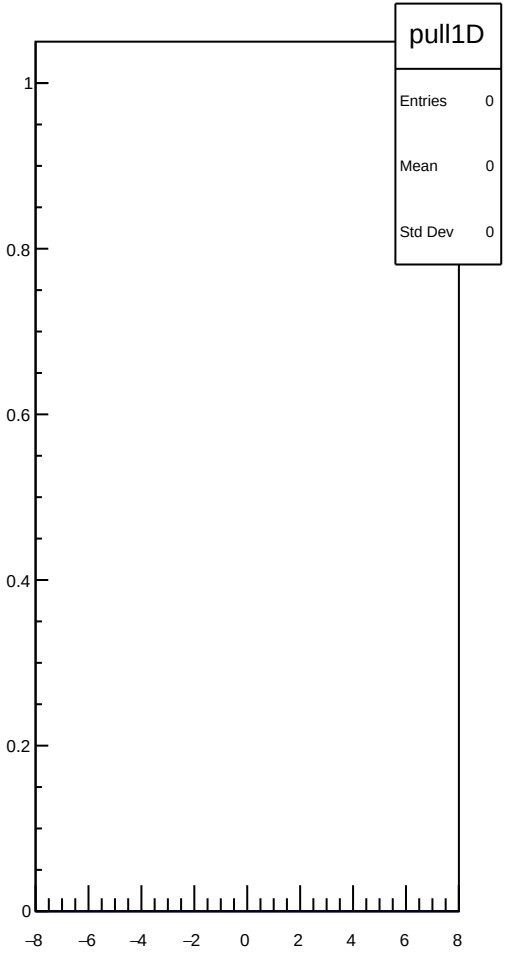
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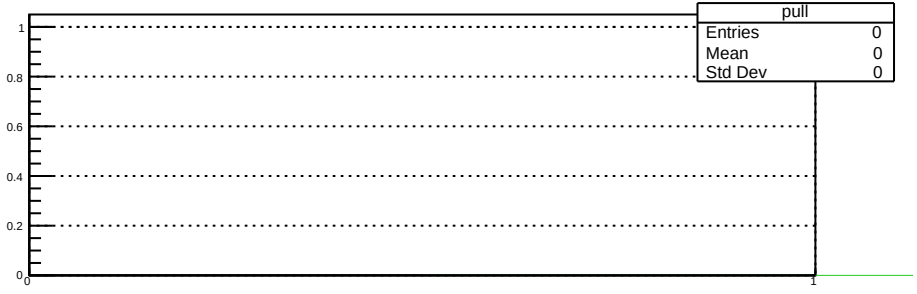
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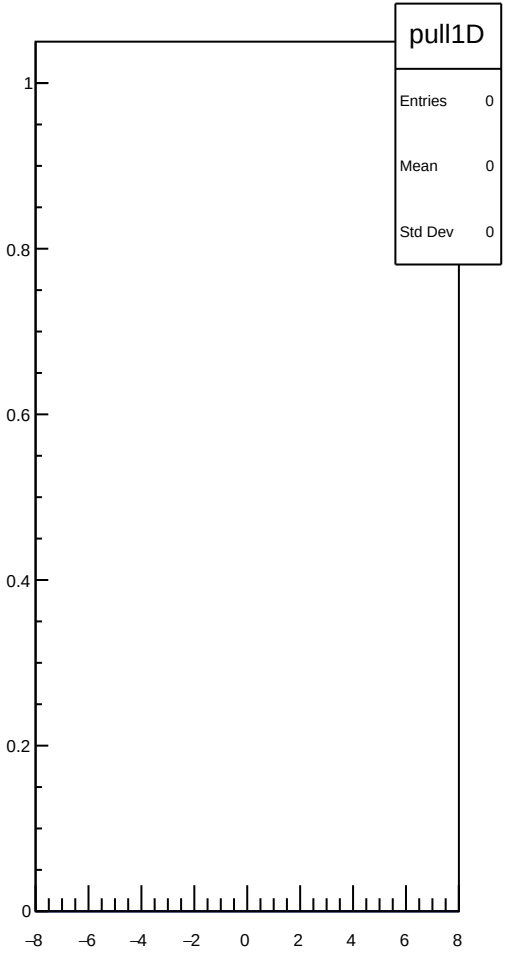
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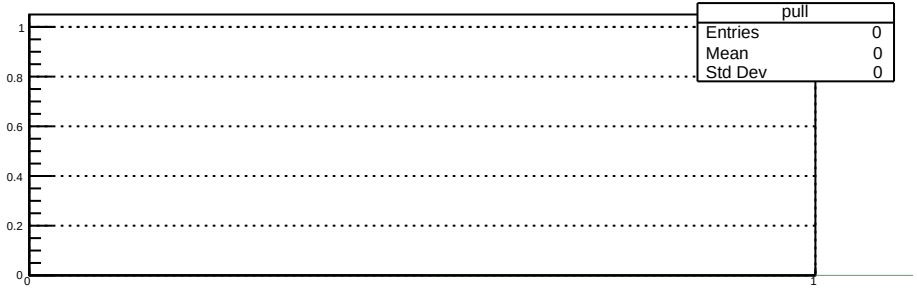
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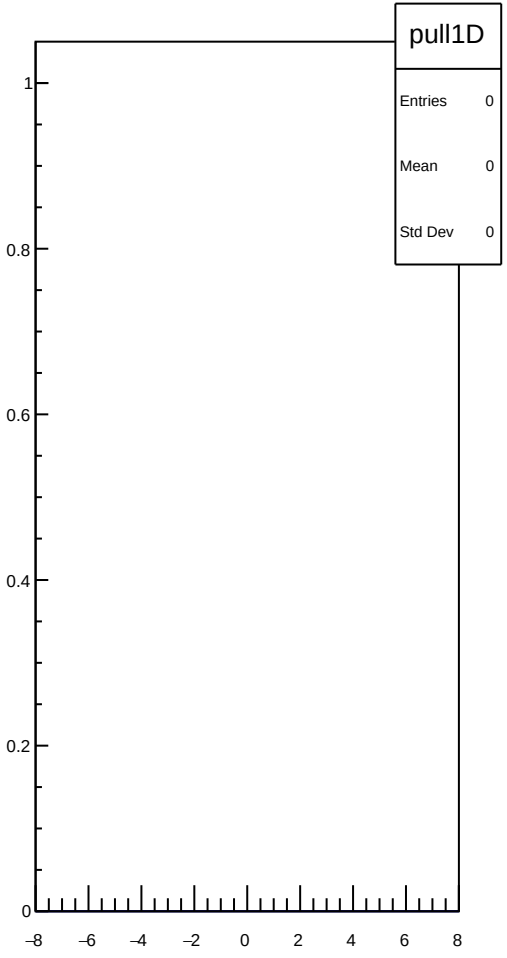
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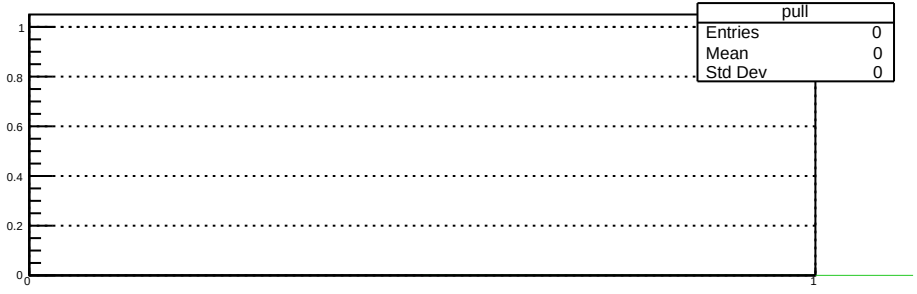
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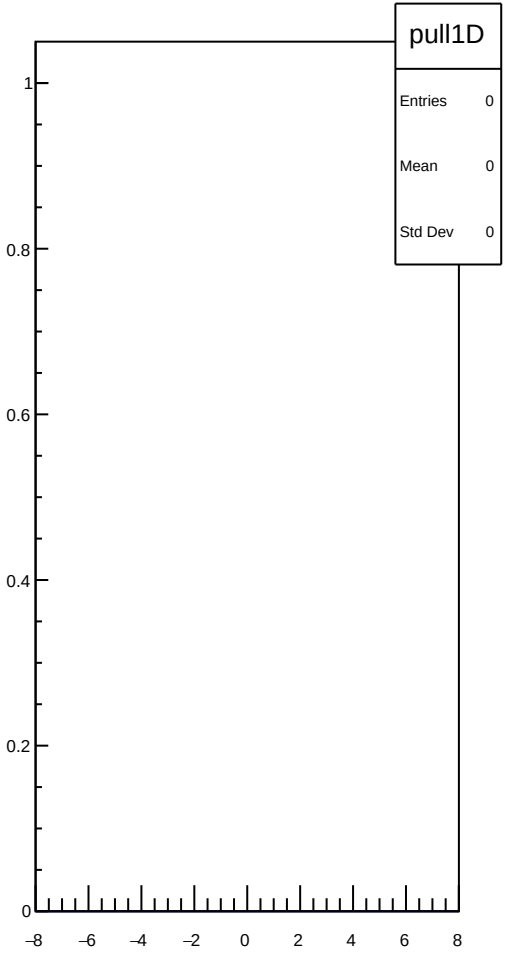
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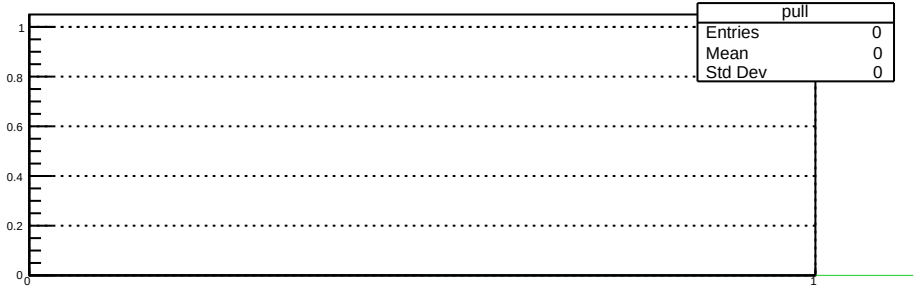
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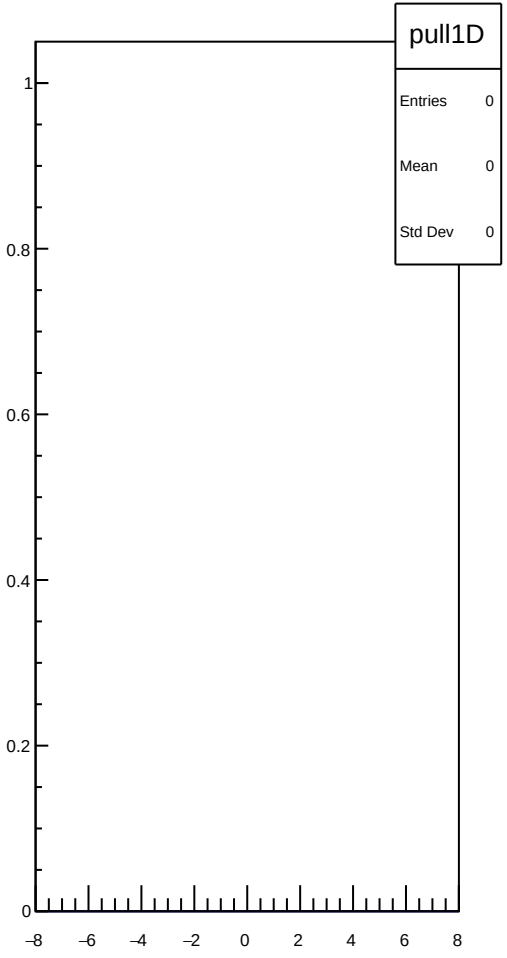
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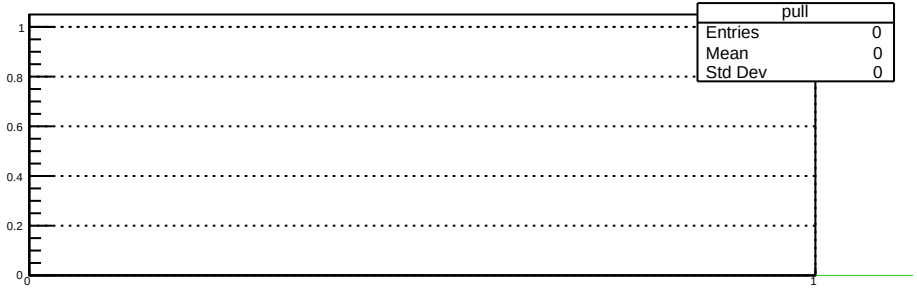
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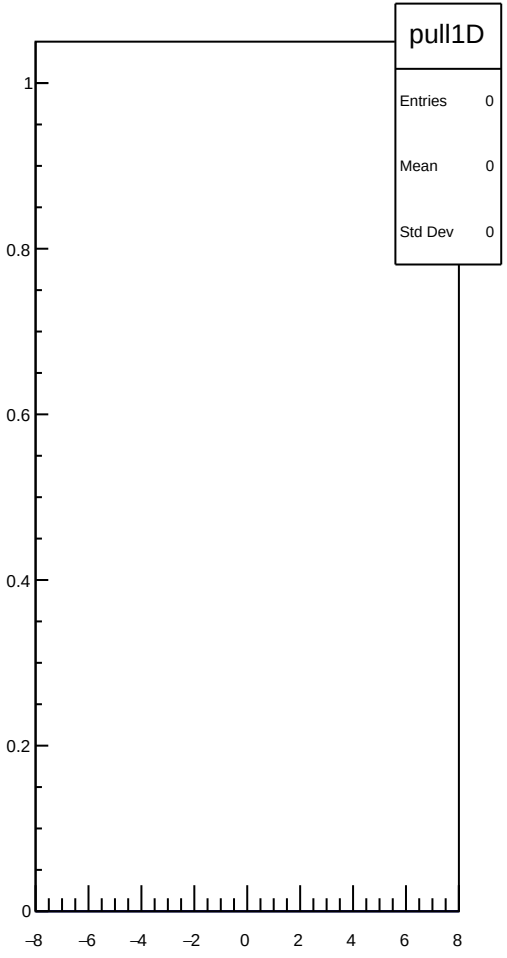
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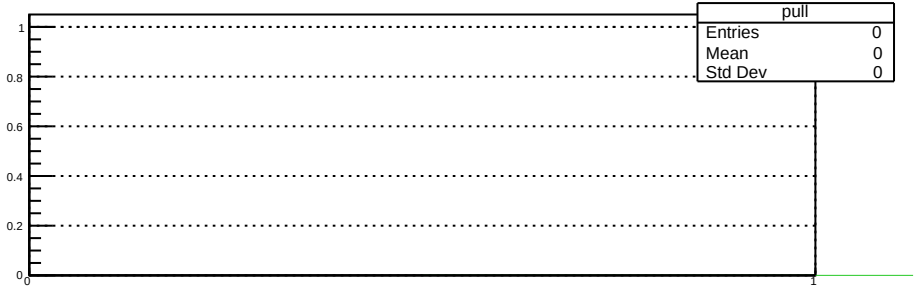
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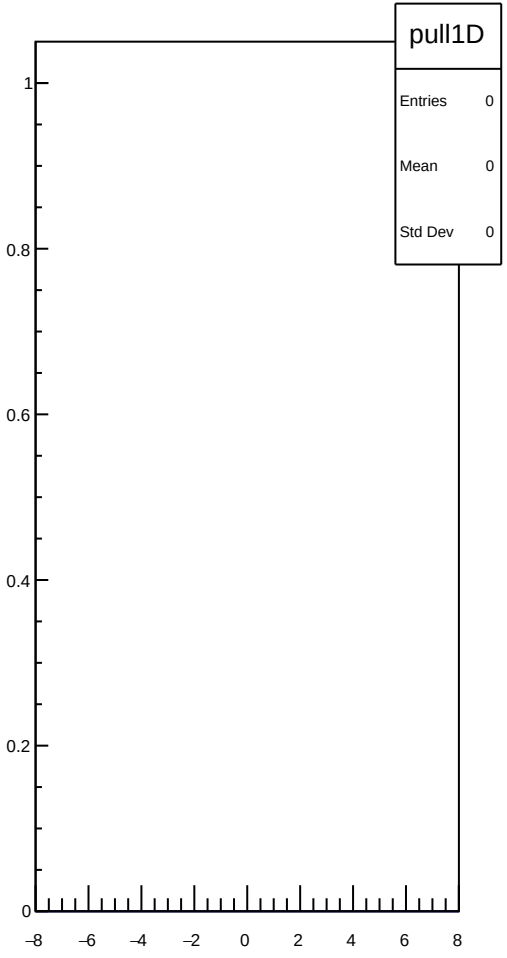
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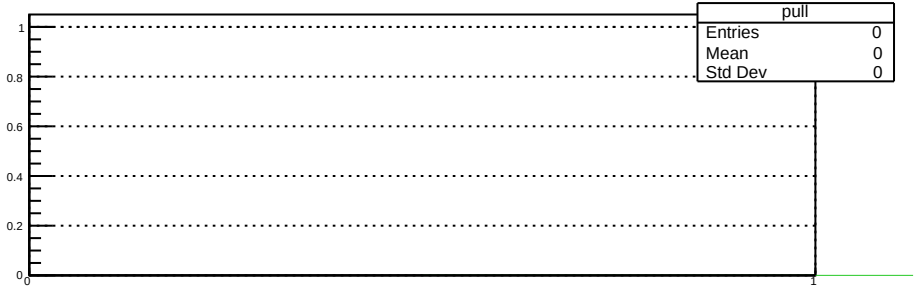
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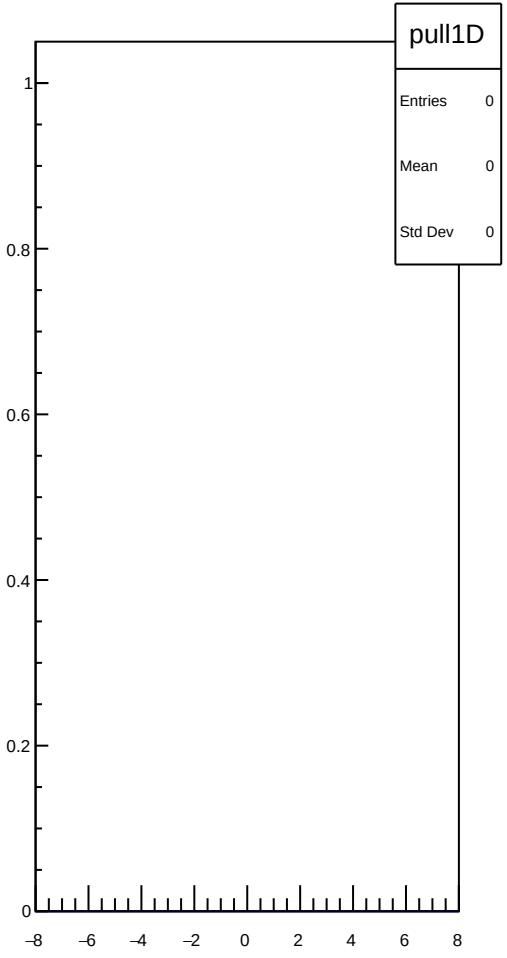
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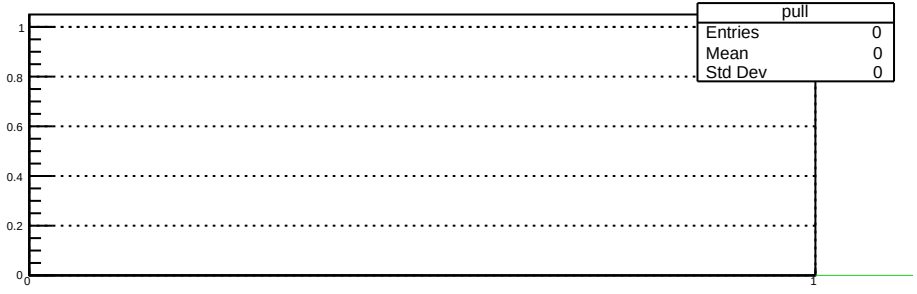
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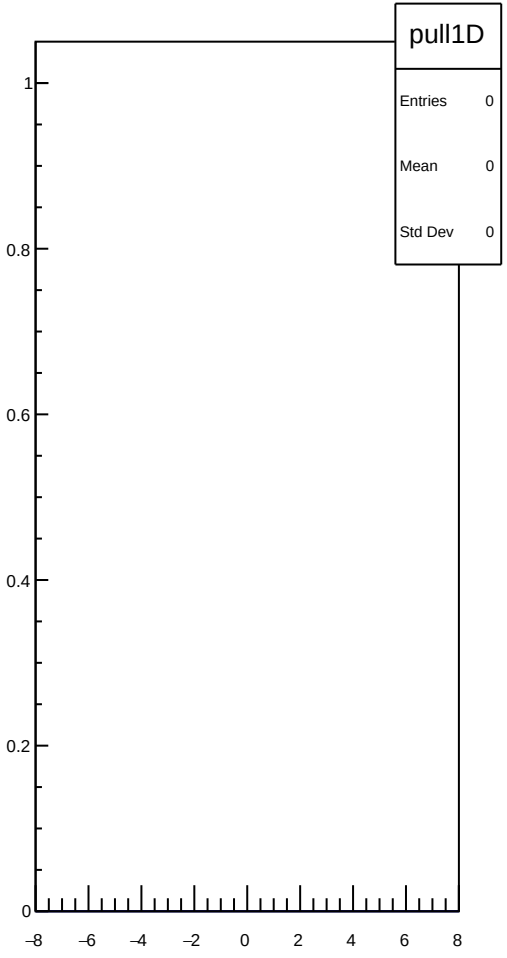
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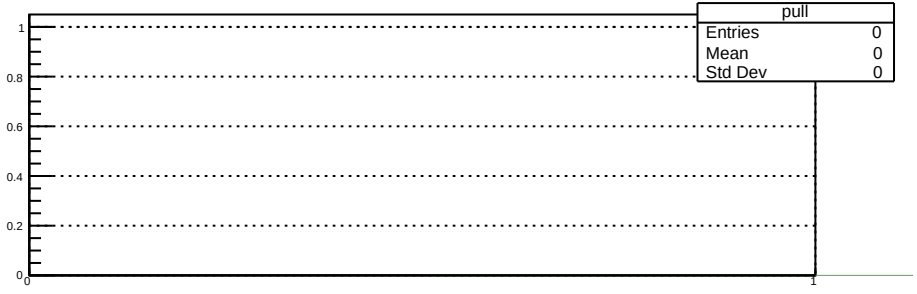
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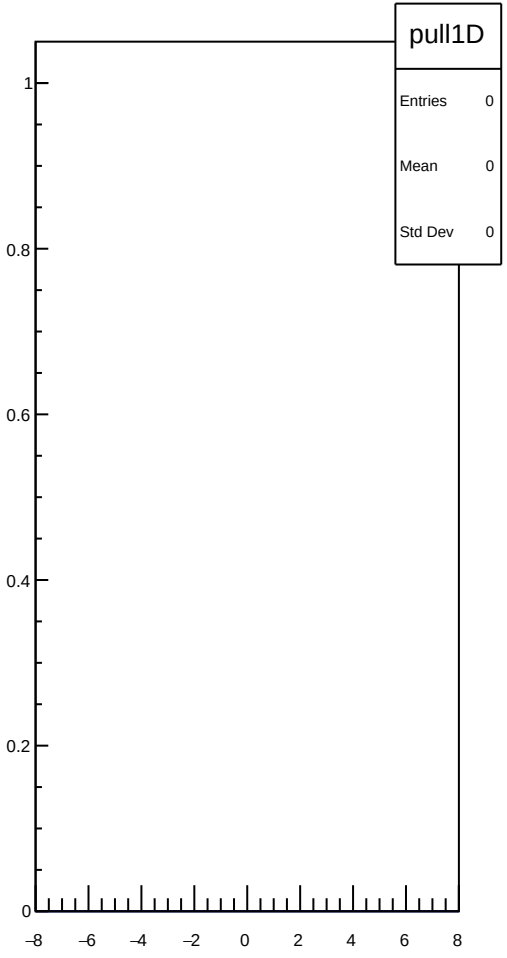
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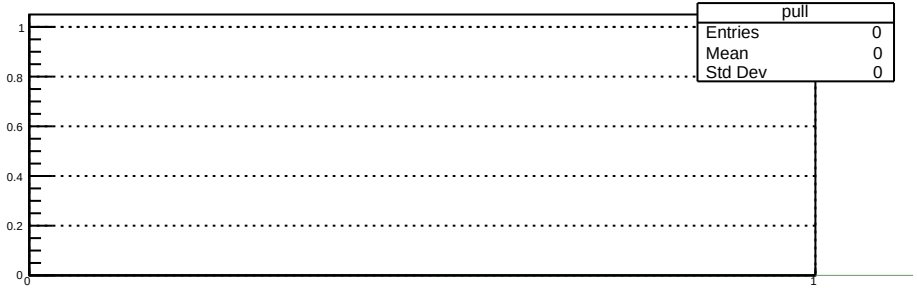
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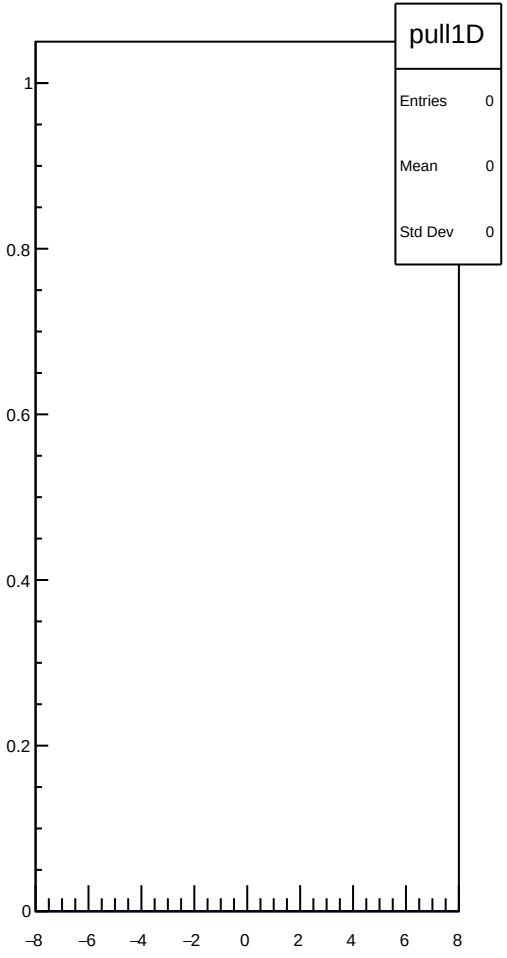
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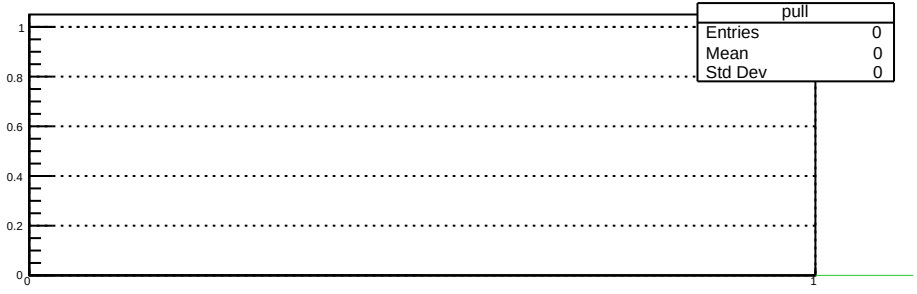
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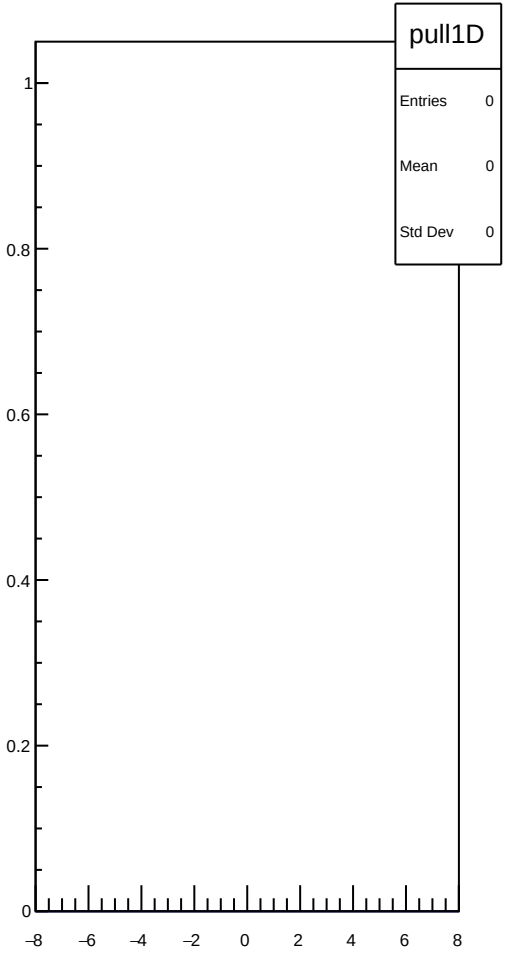
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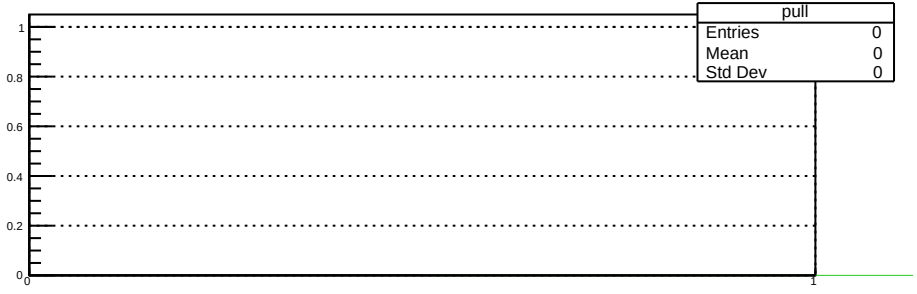
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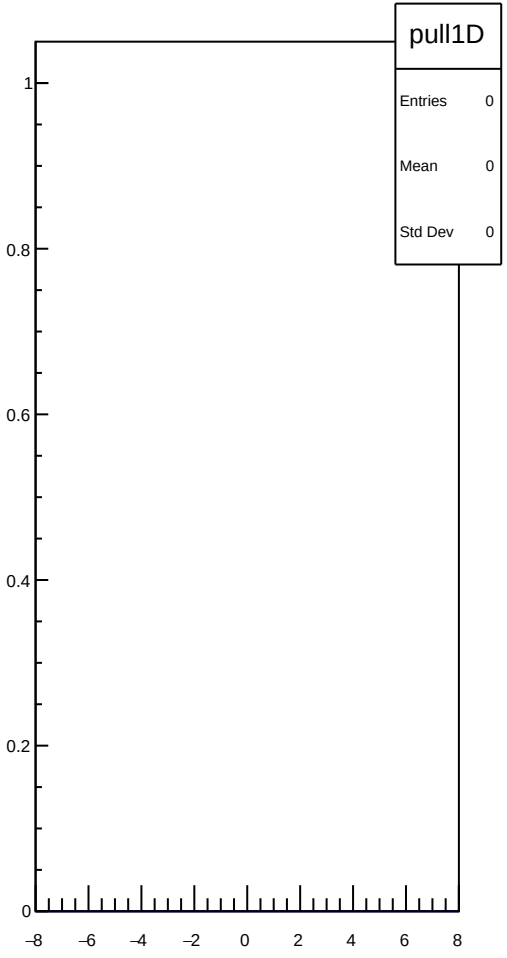
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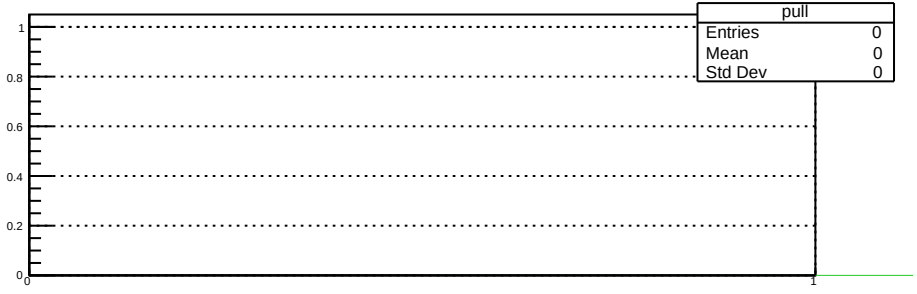
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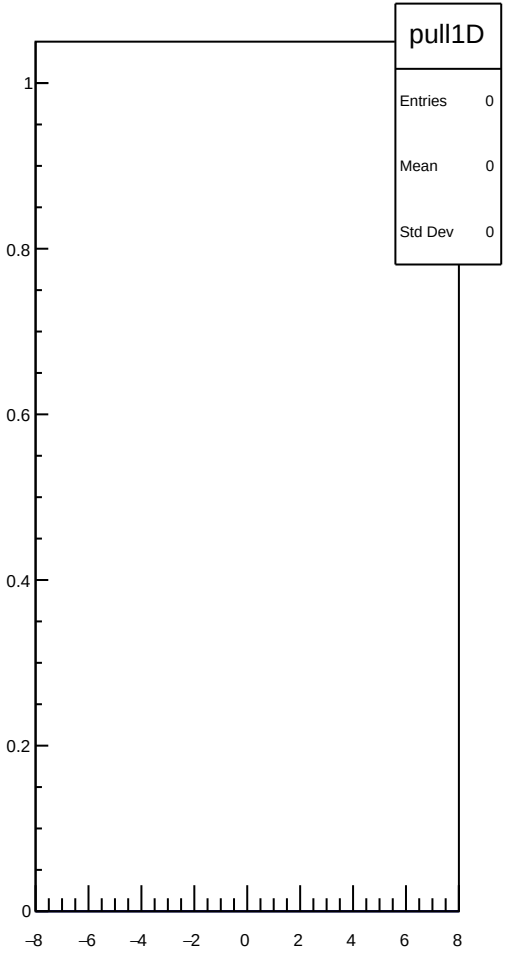
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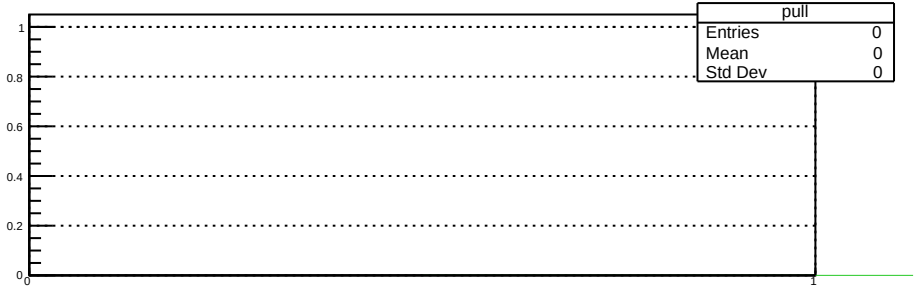
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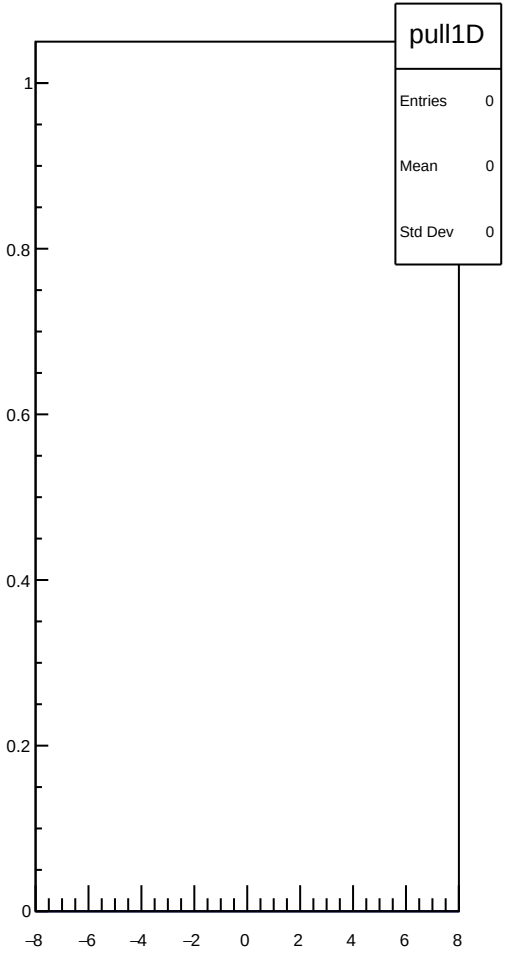
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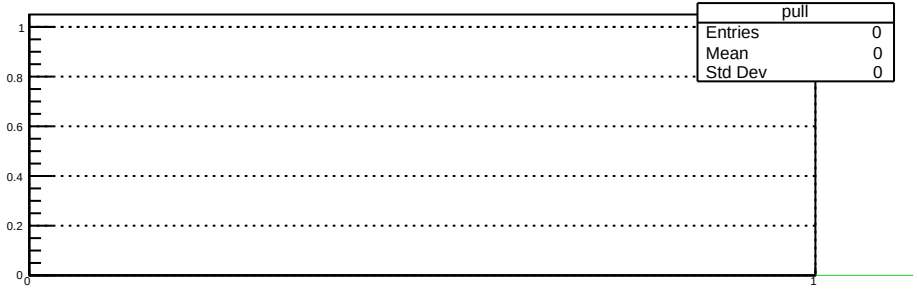
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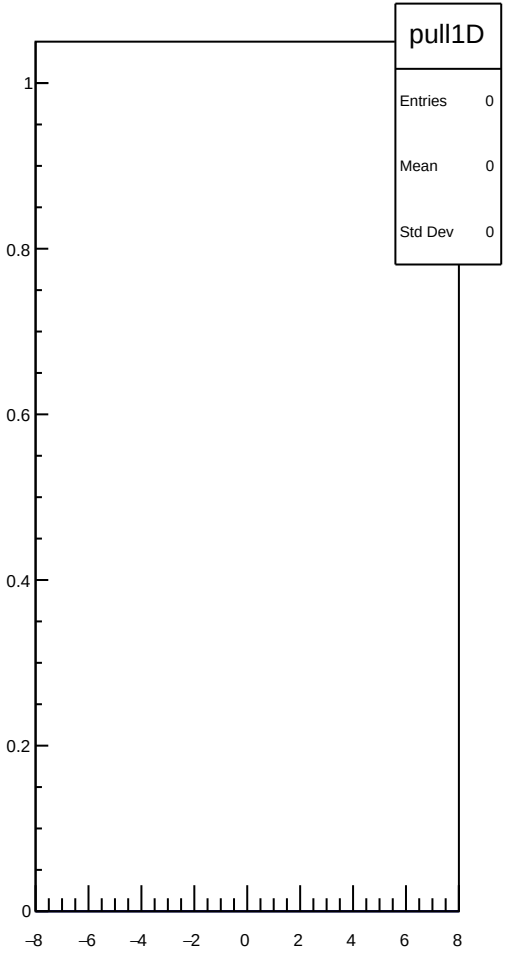
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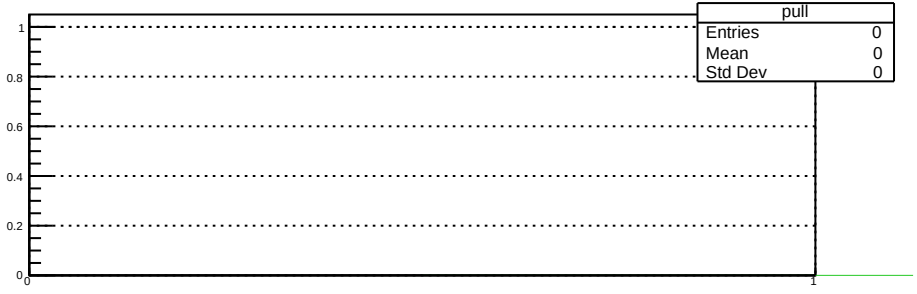
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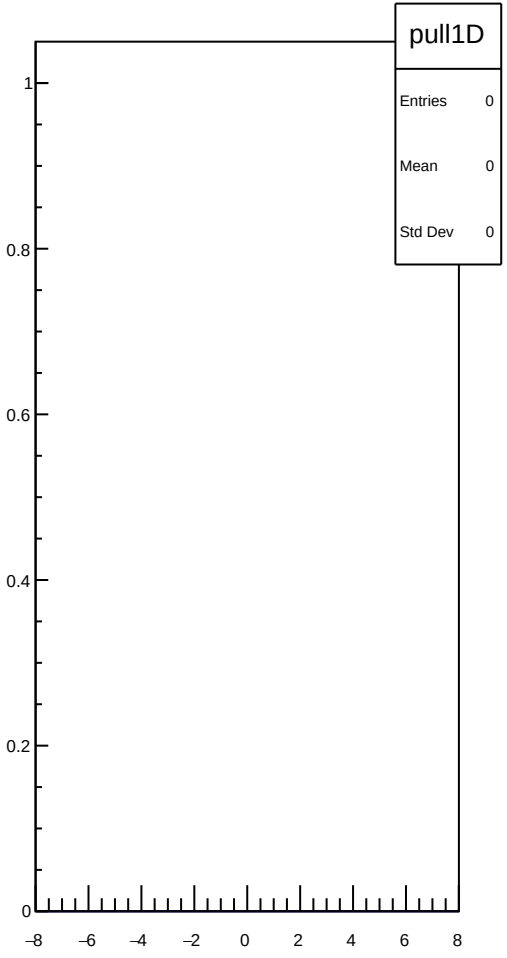
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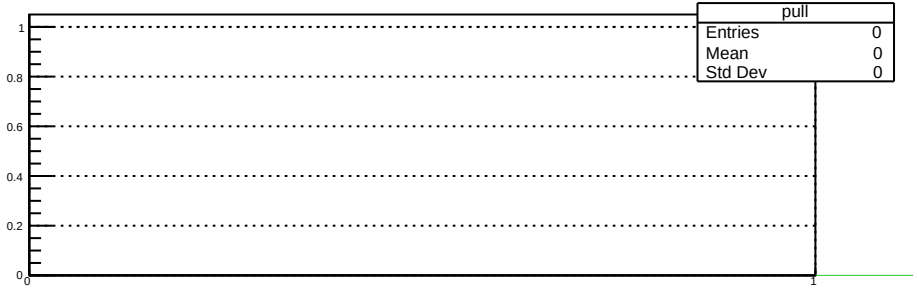
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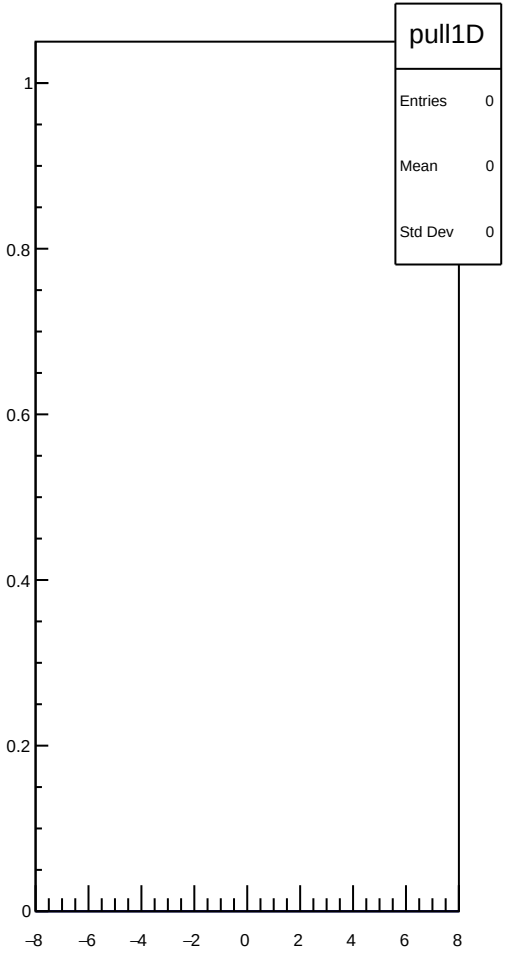
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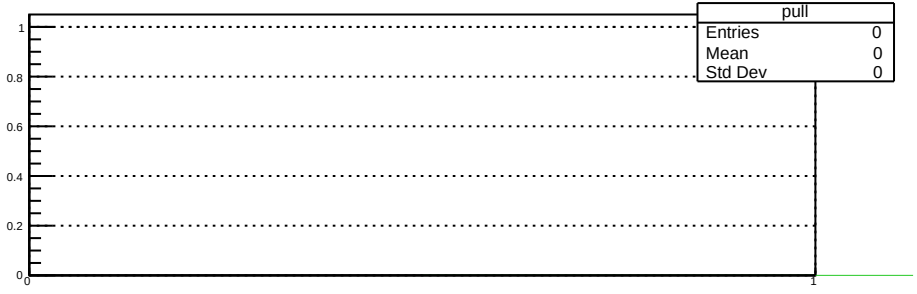
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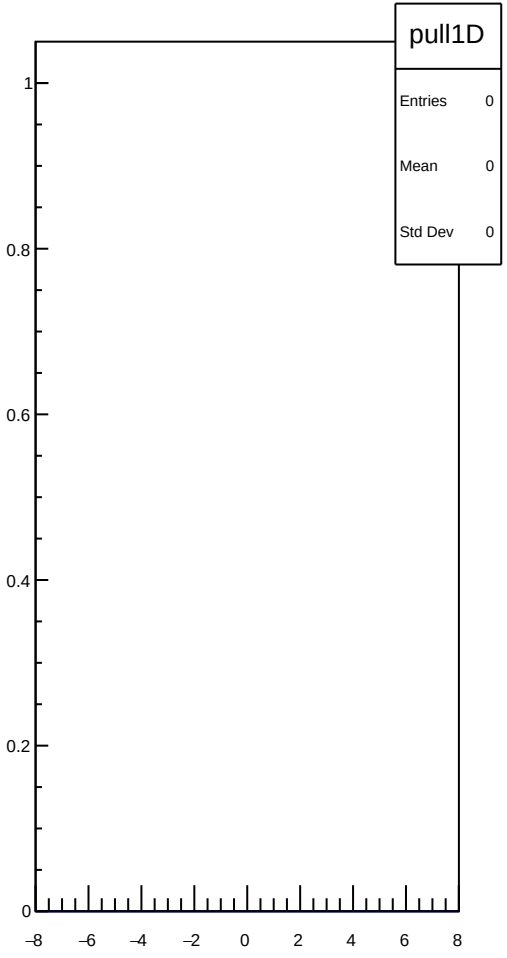
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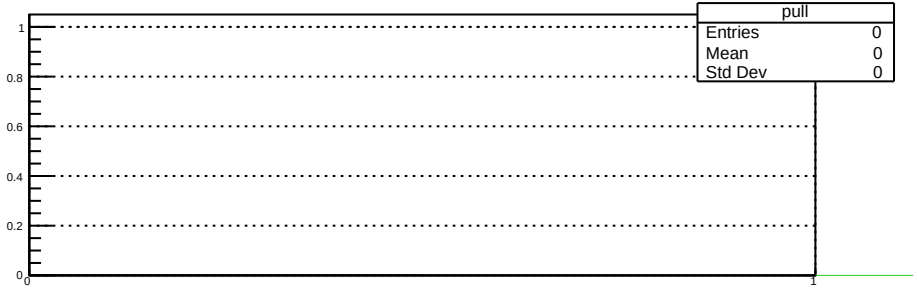
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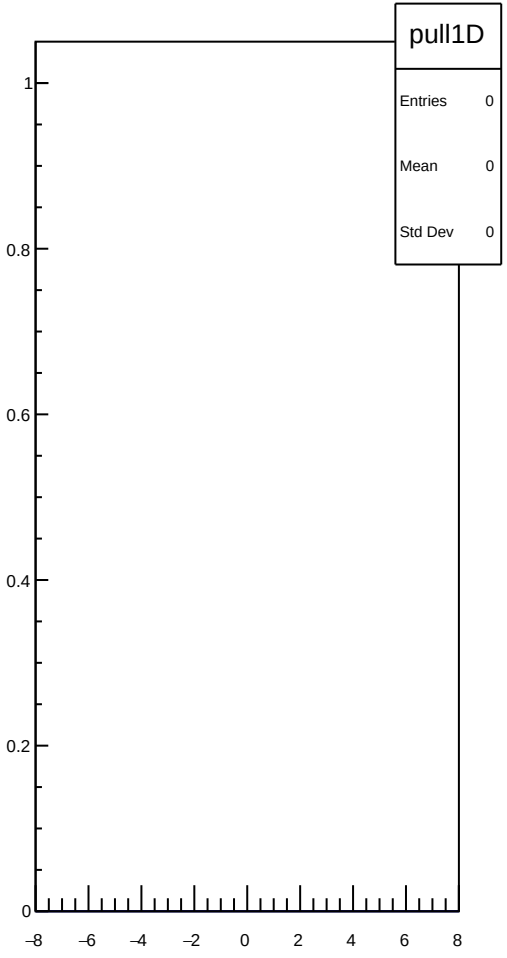
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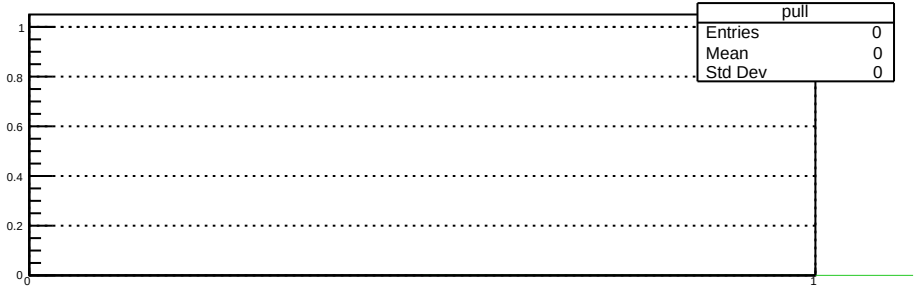
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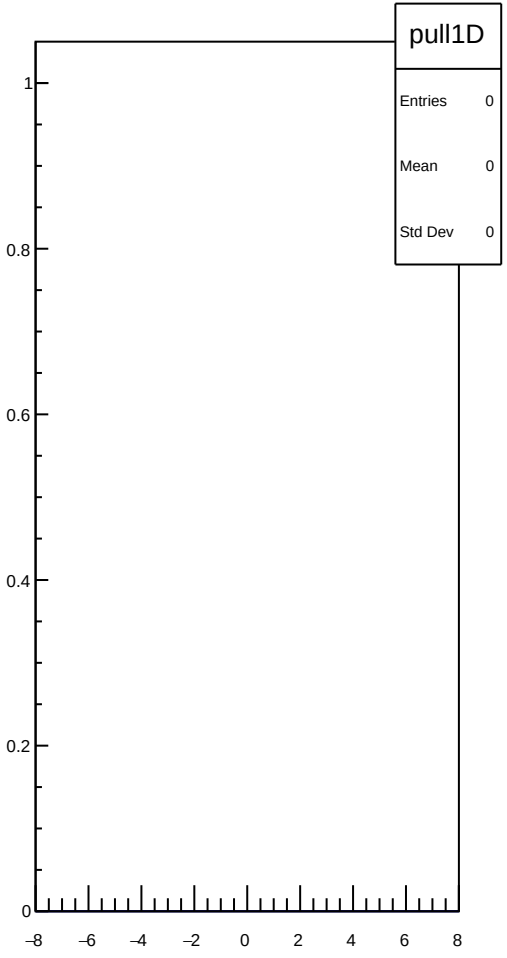
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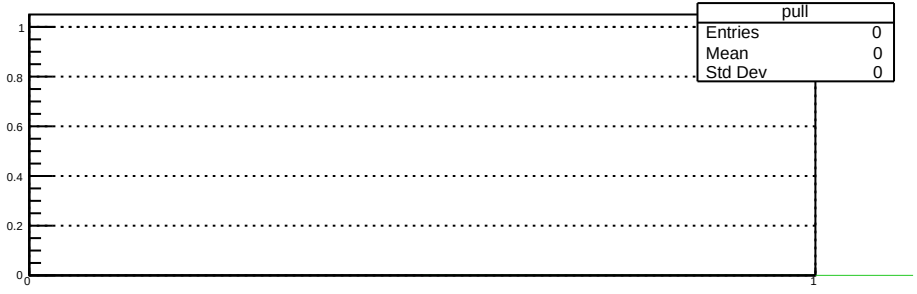
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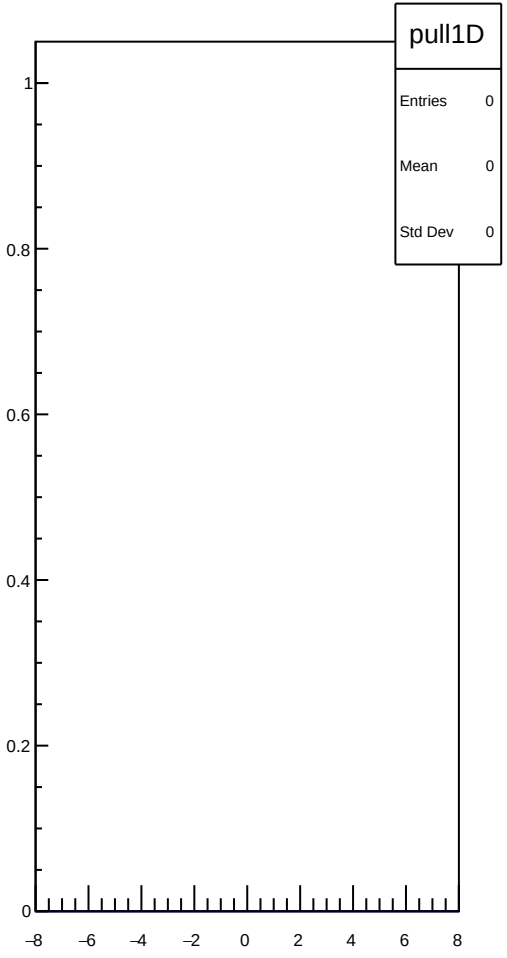
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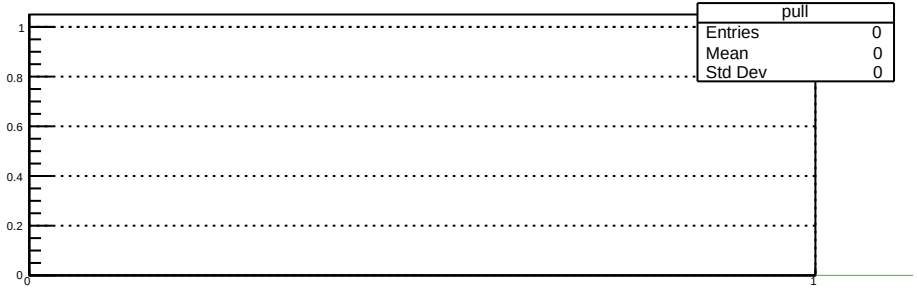
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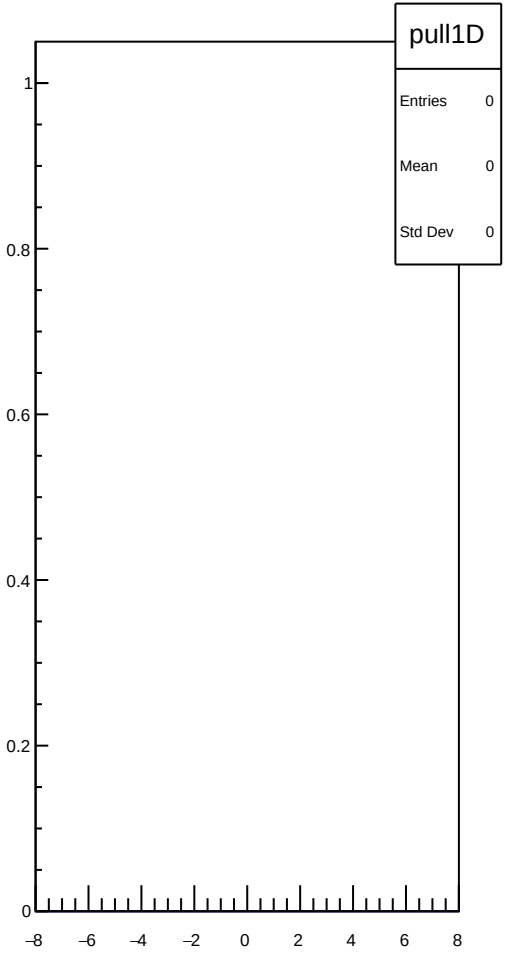
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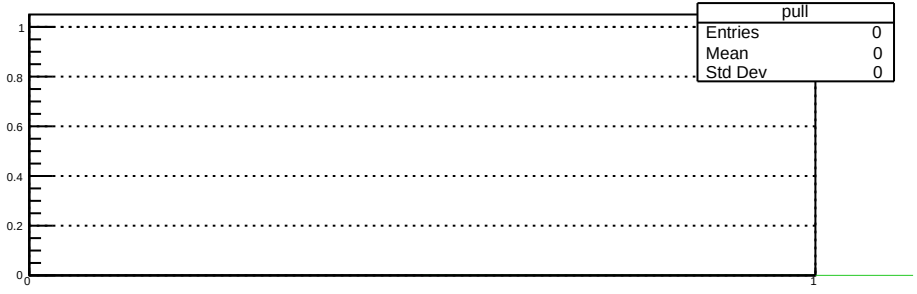
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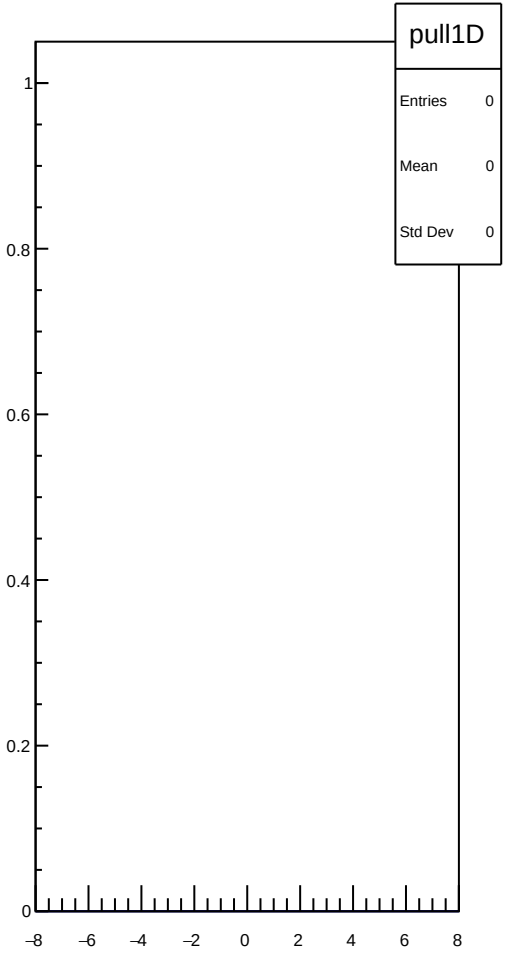
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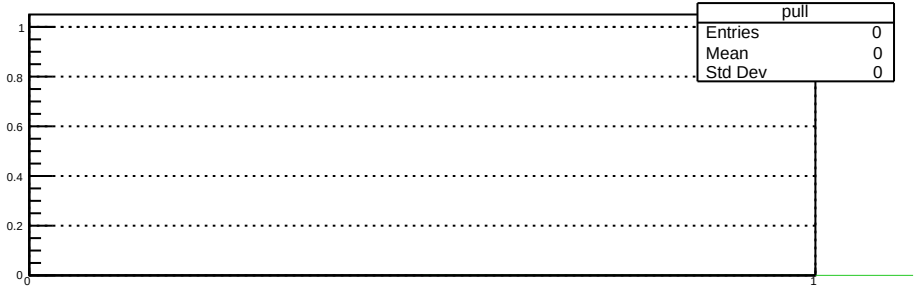
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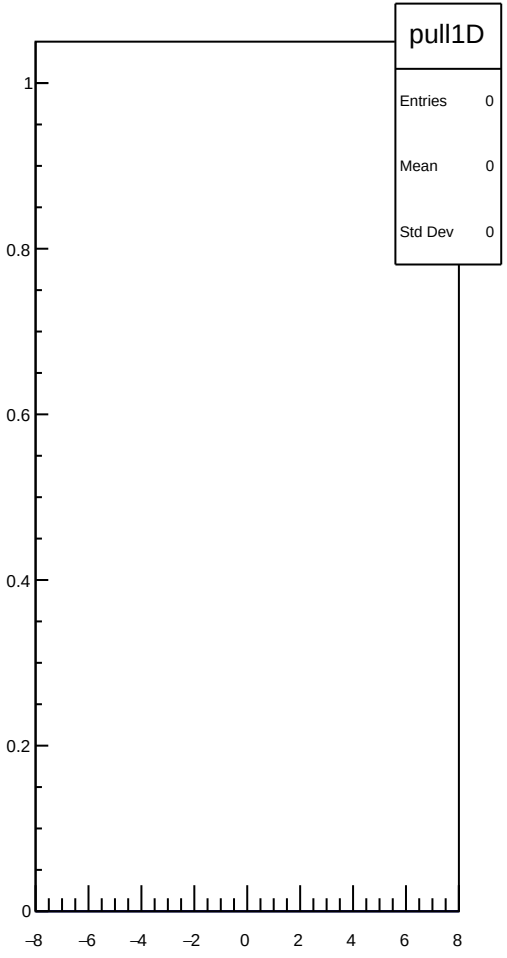
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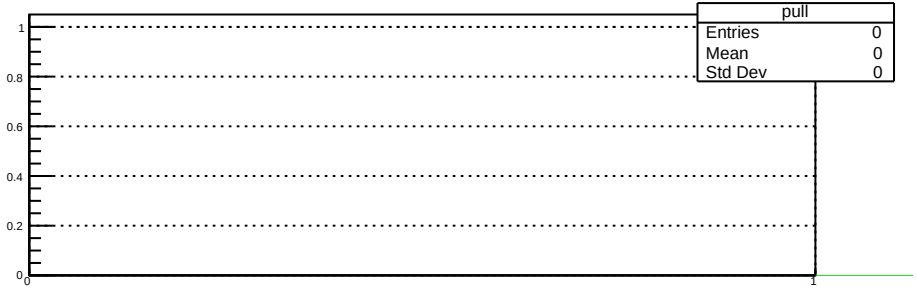
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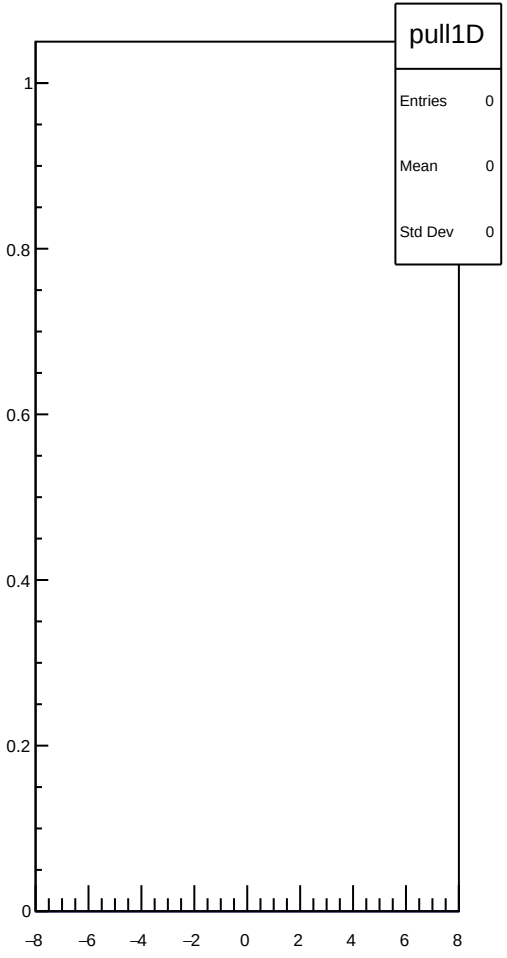
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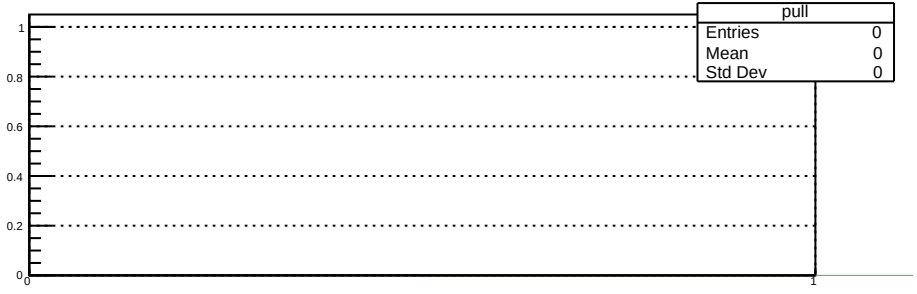
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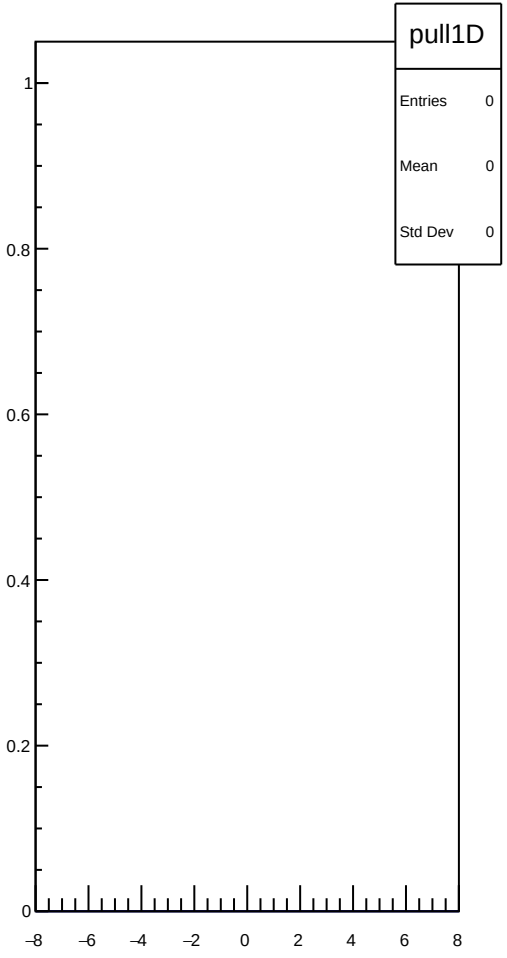
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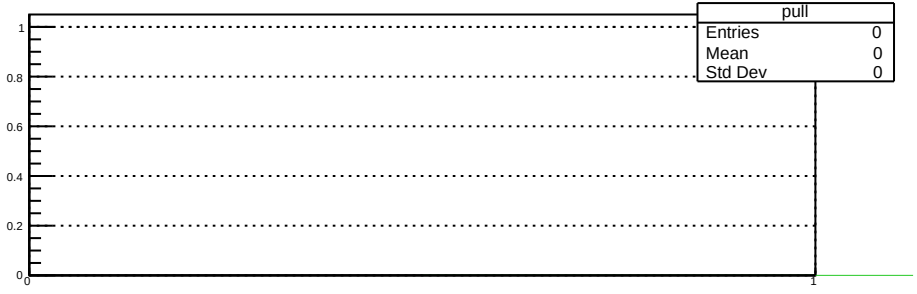
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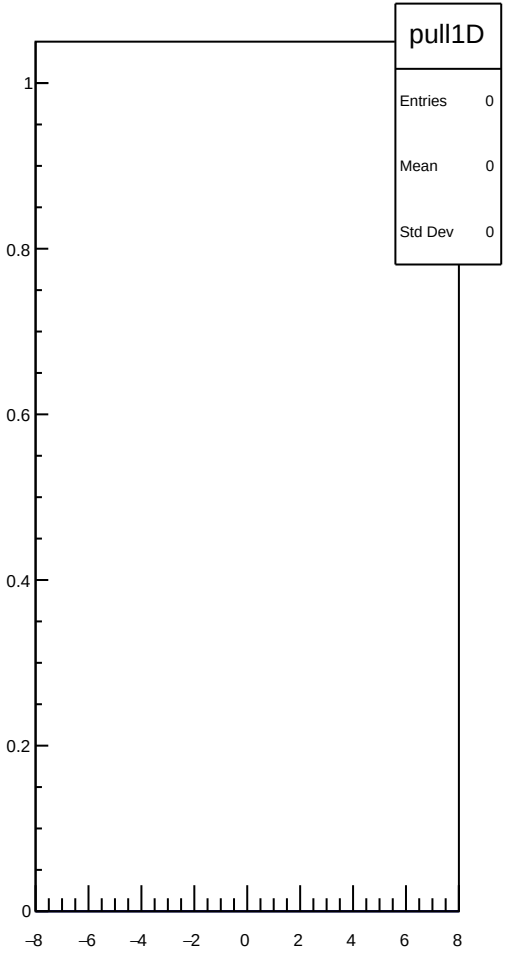
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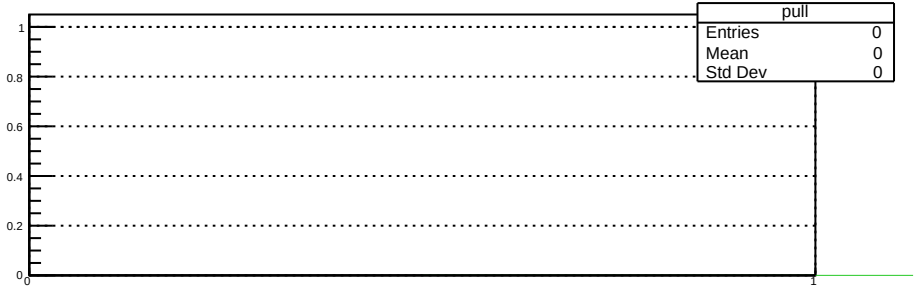
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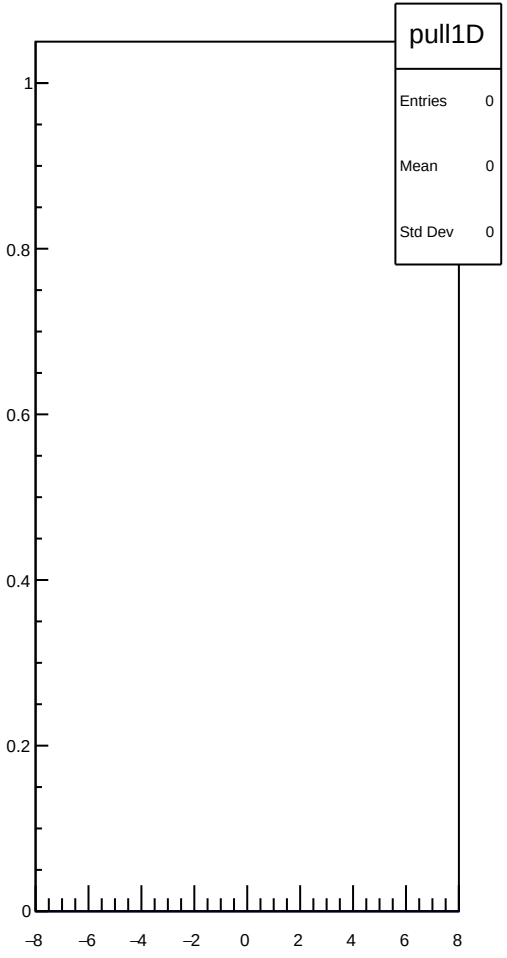
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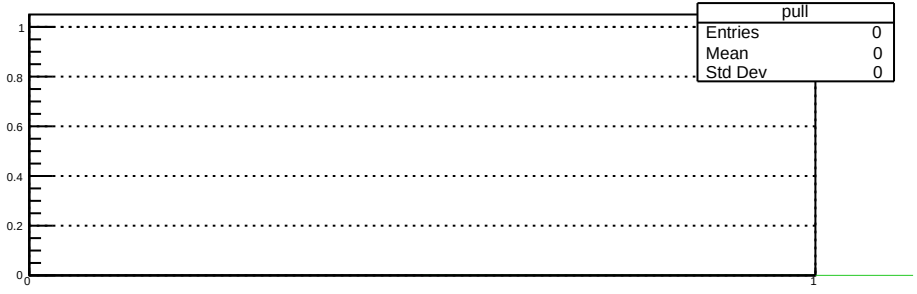
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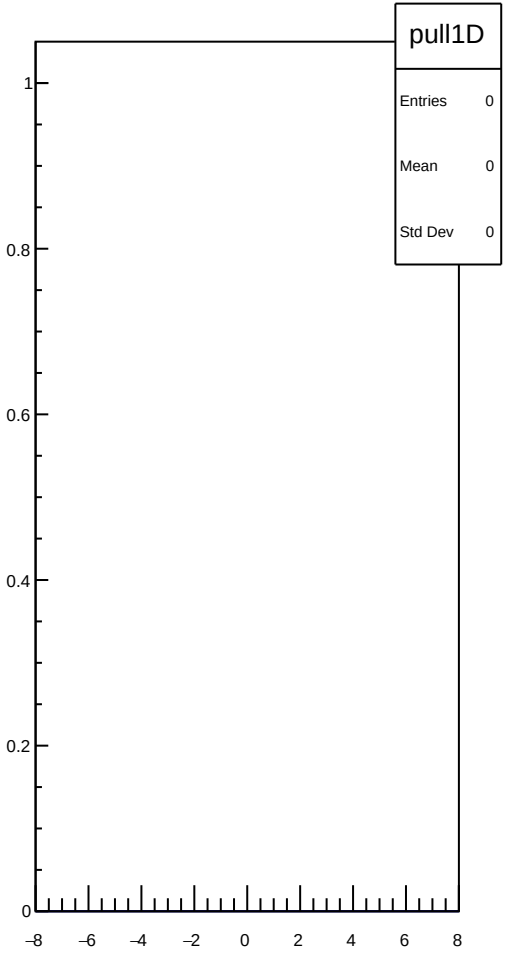
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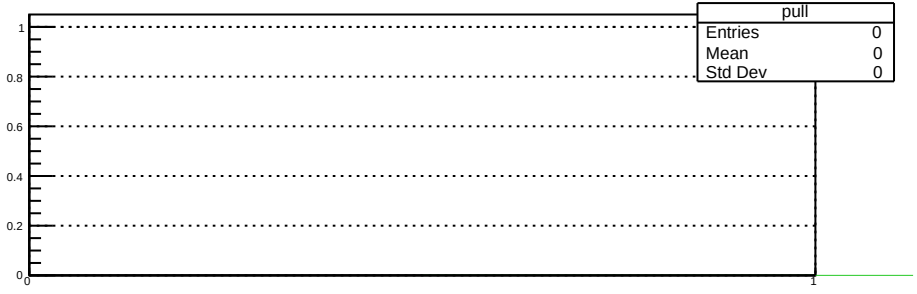
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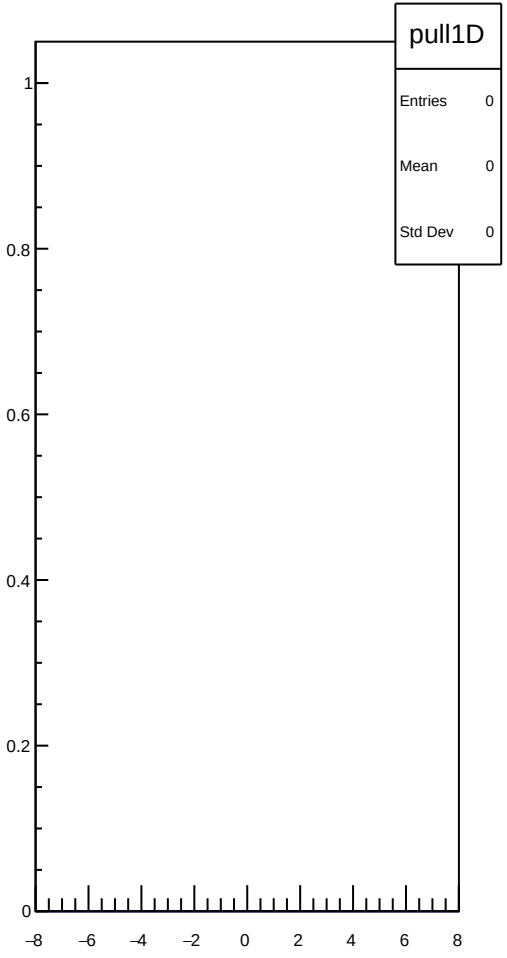
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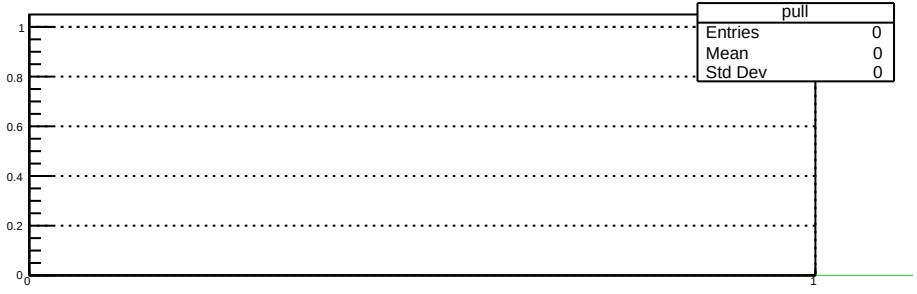
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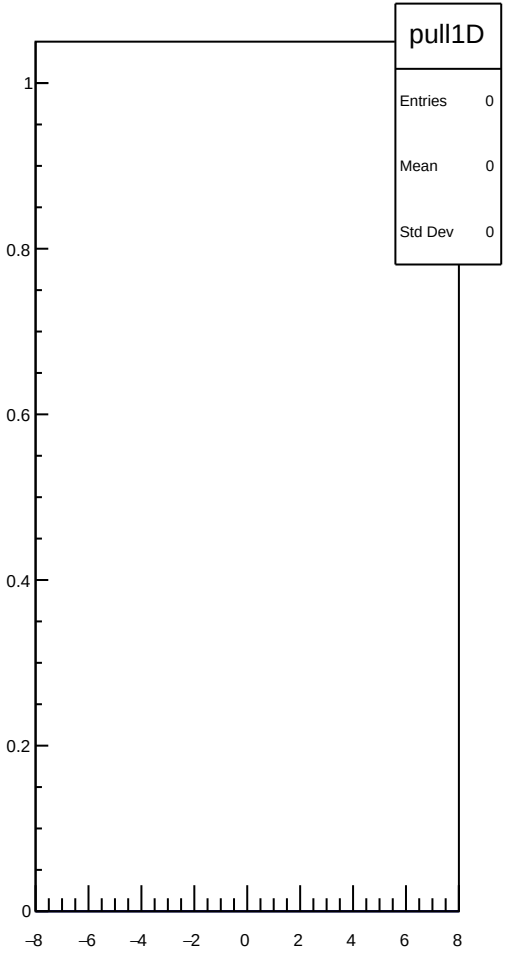
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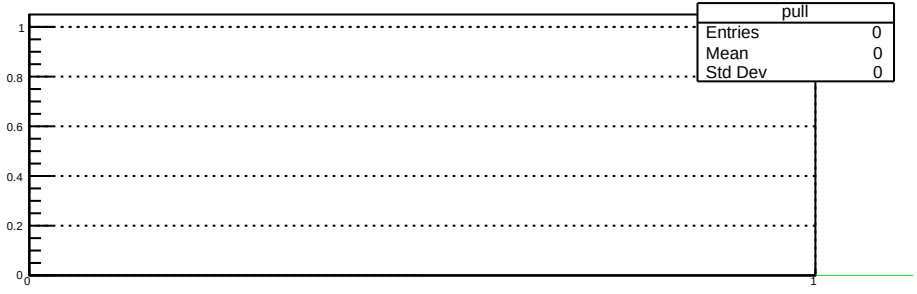
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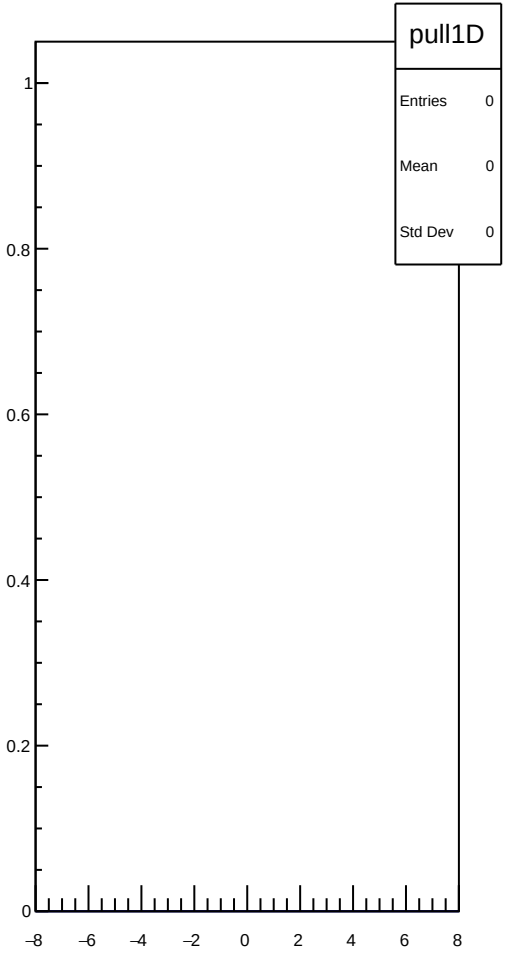
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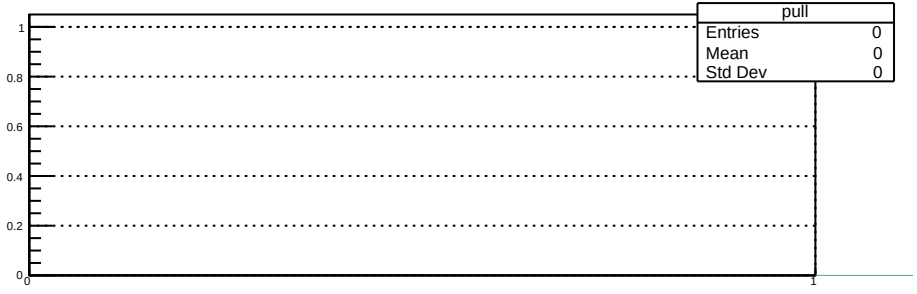
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Std Dev 0
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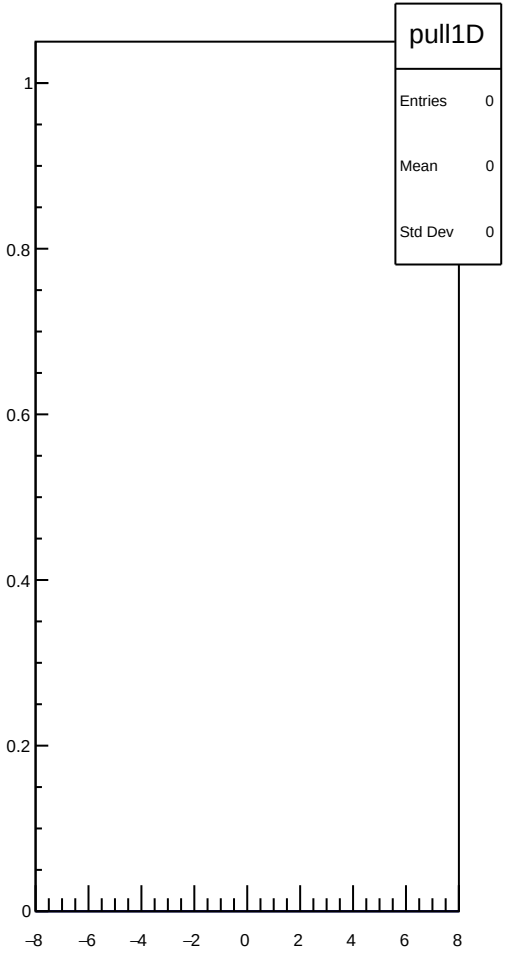
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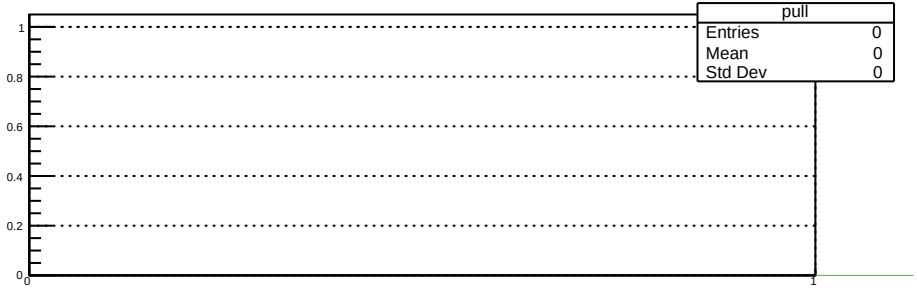
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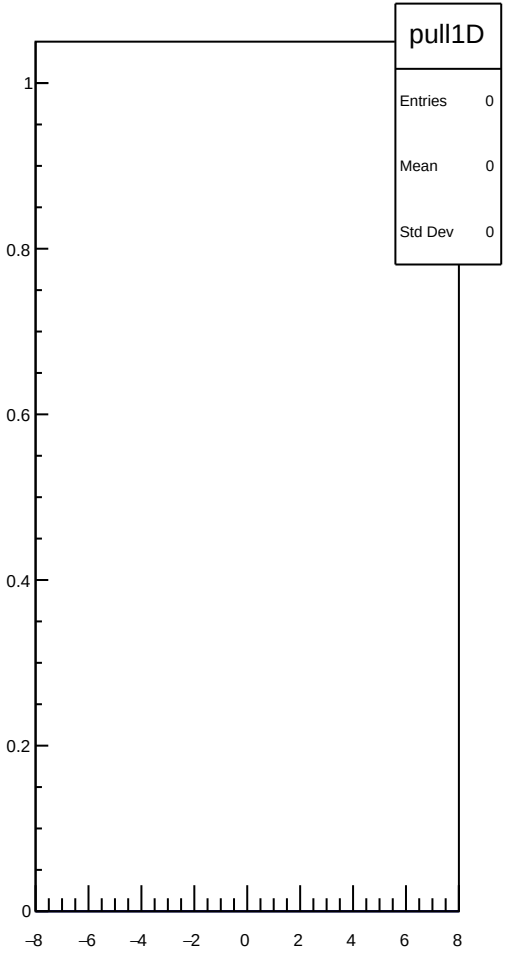
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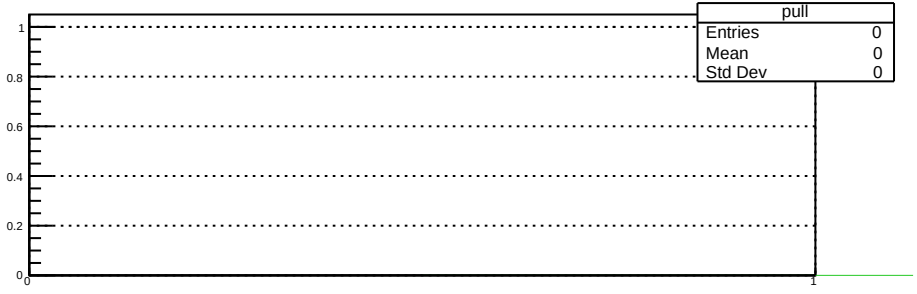
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Std Dev 0
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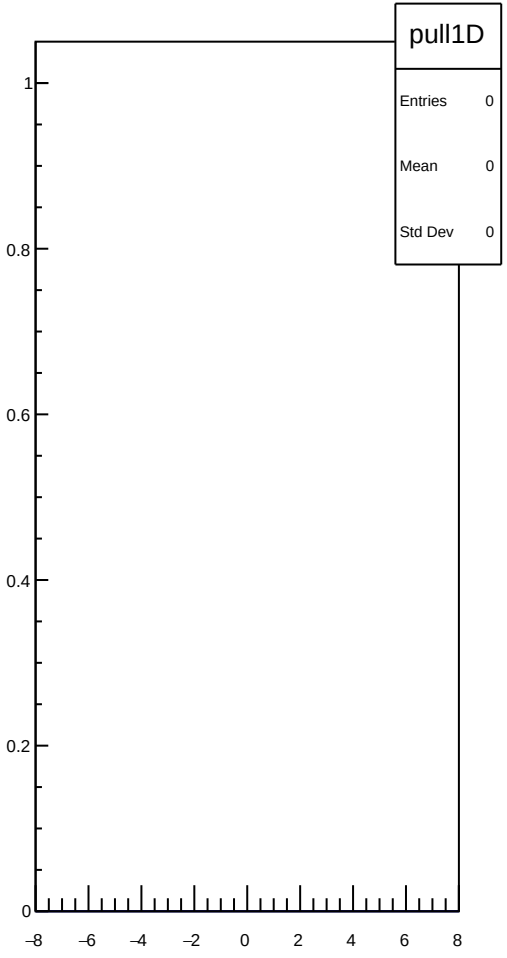
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Std Dev 0
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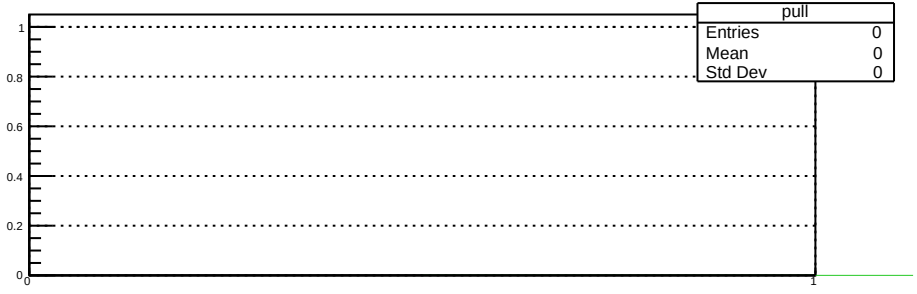
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Std Dev 0
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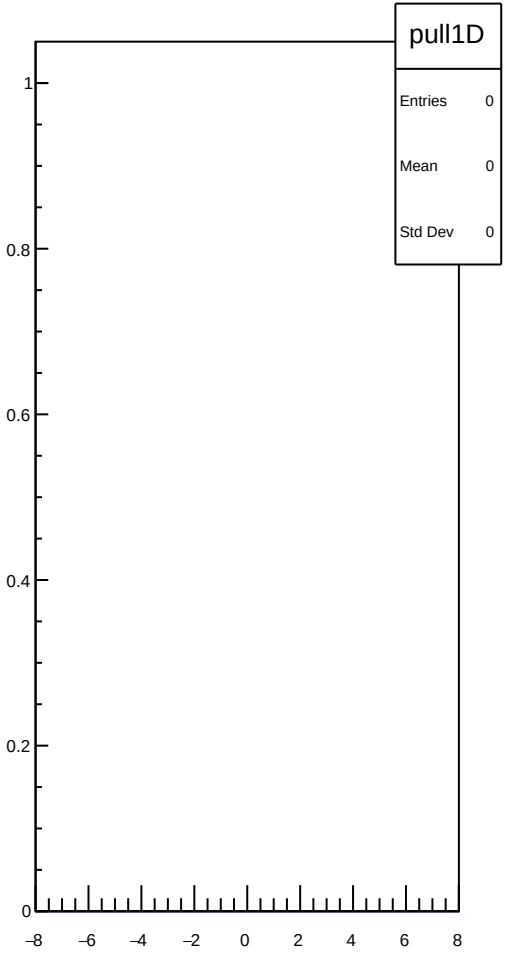
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Mean 0
Std Dev 0
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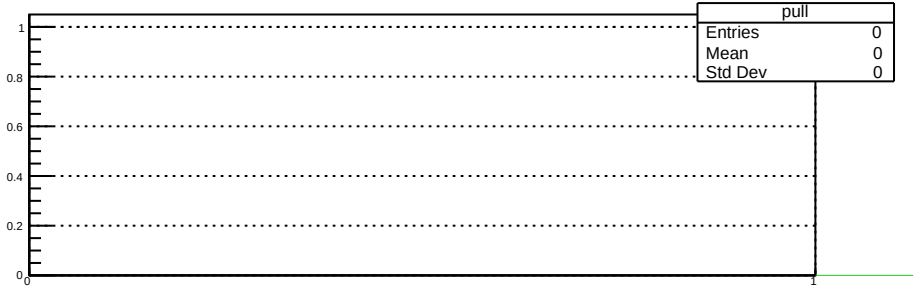
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Std Dev 0
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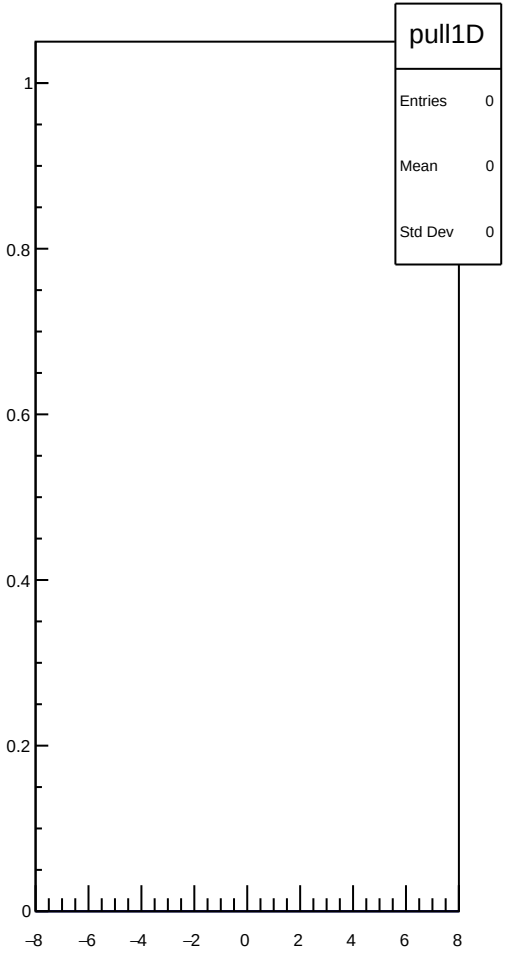
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Std Dev 0
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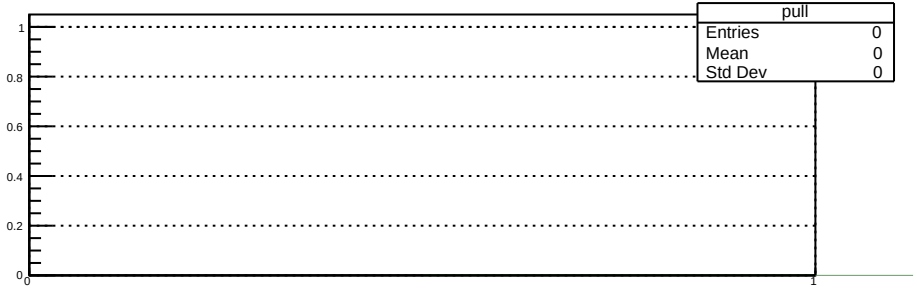
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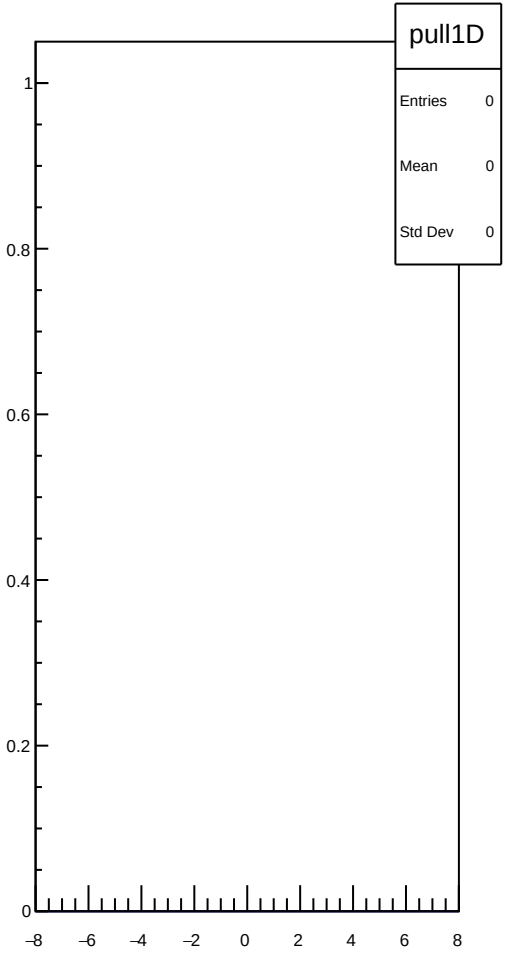
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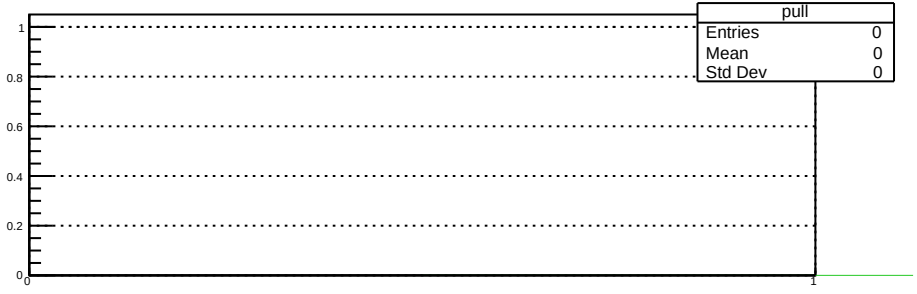
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Std Dev 0
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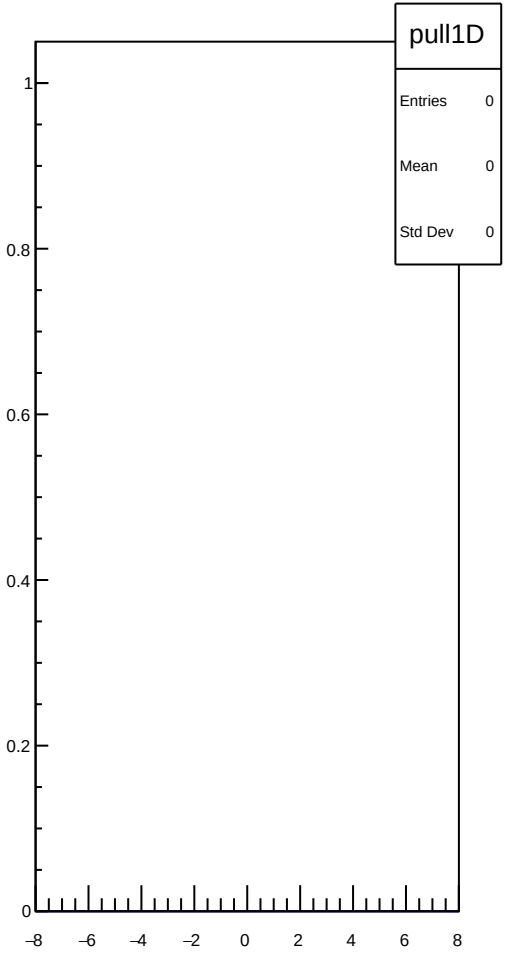
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Std Dev 0
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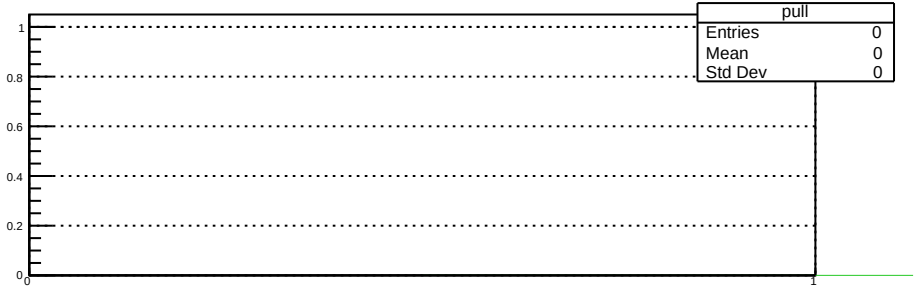
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Std Dev 0
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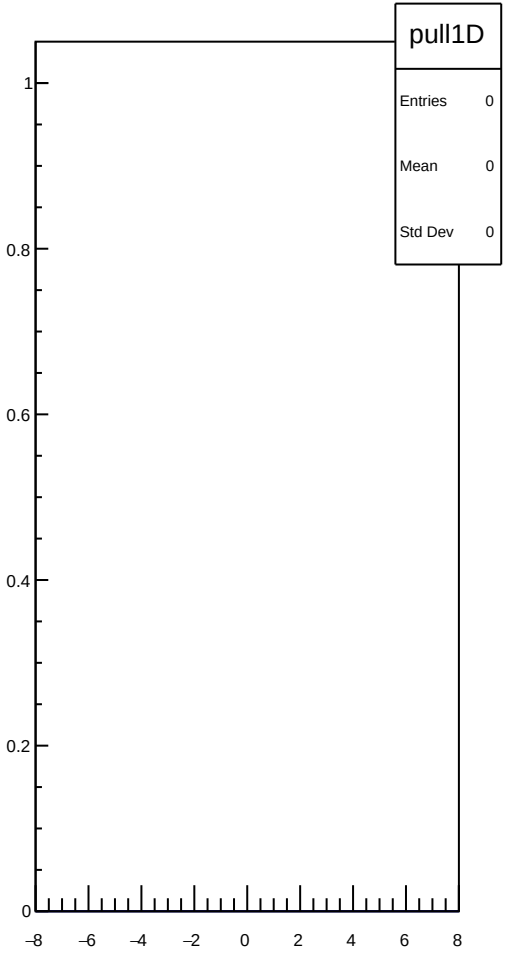
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Mean 0
Std Dev 0
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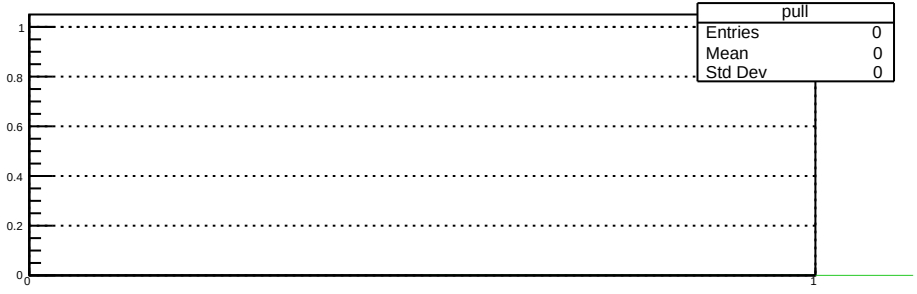
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Std Dev 0
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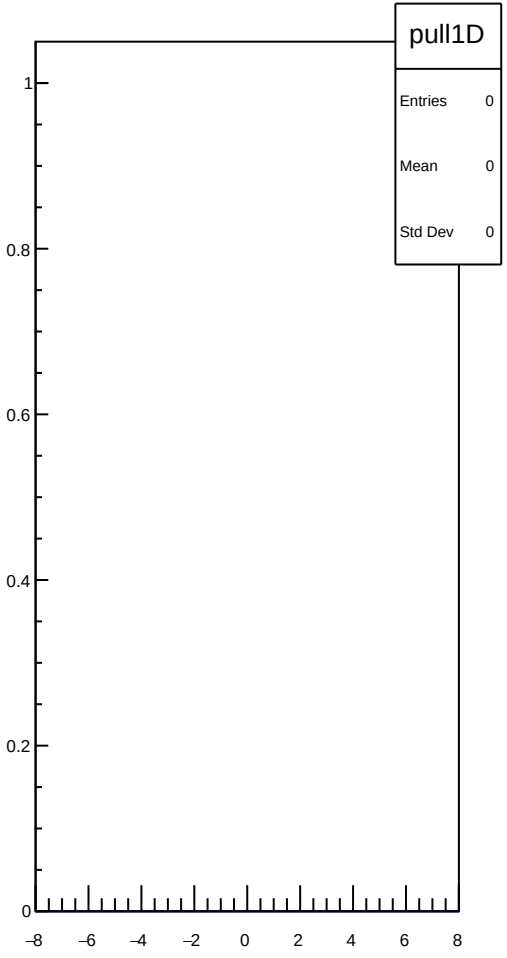
pull1D
Entries 0
Mean 0
Std Dev 0
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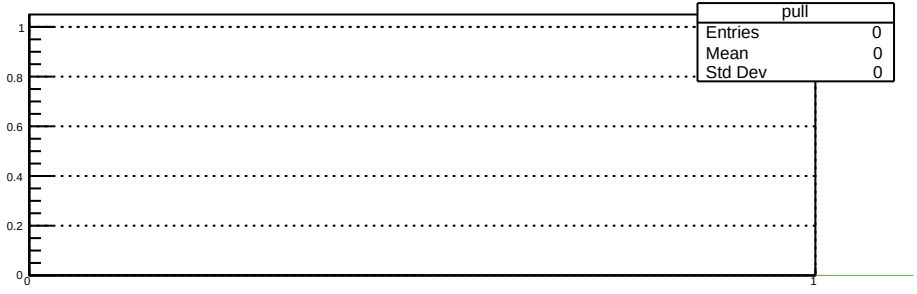
pull
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Std Dev 0
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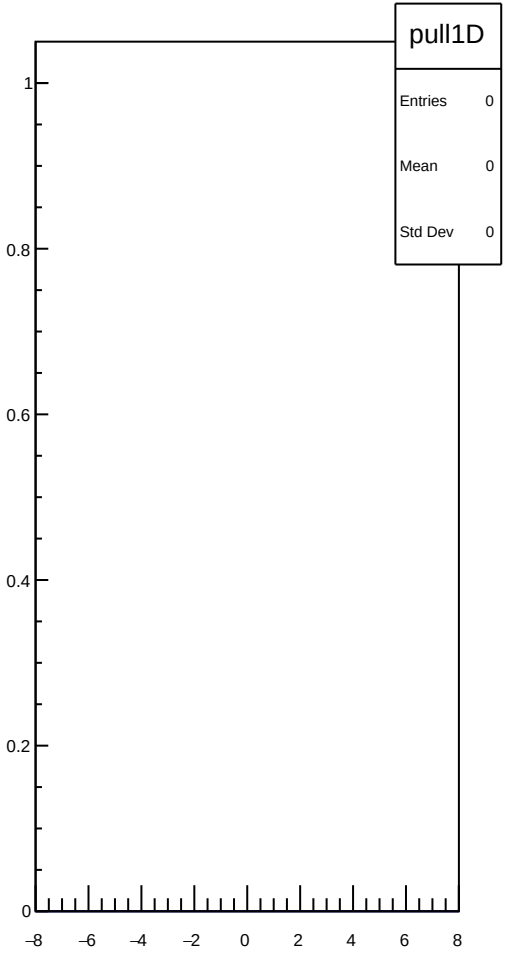
pull1D
Entries 0
Mean 0
Std Dev 0
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6
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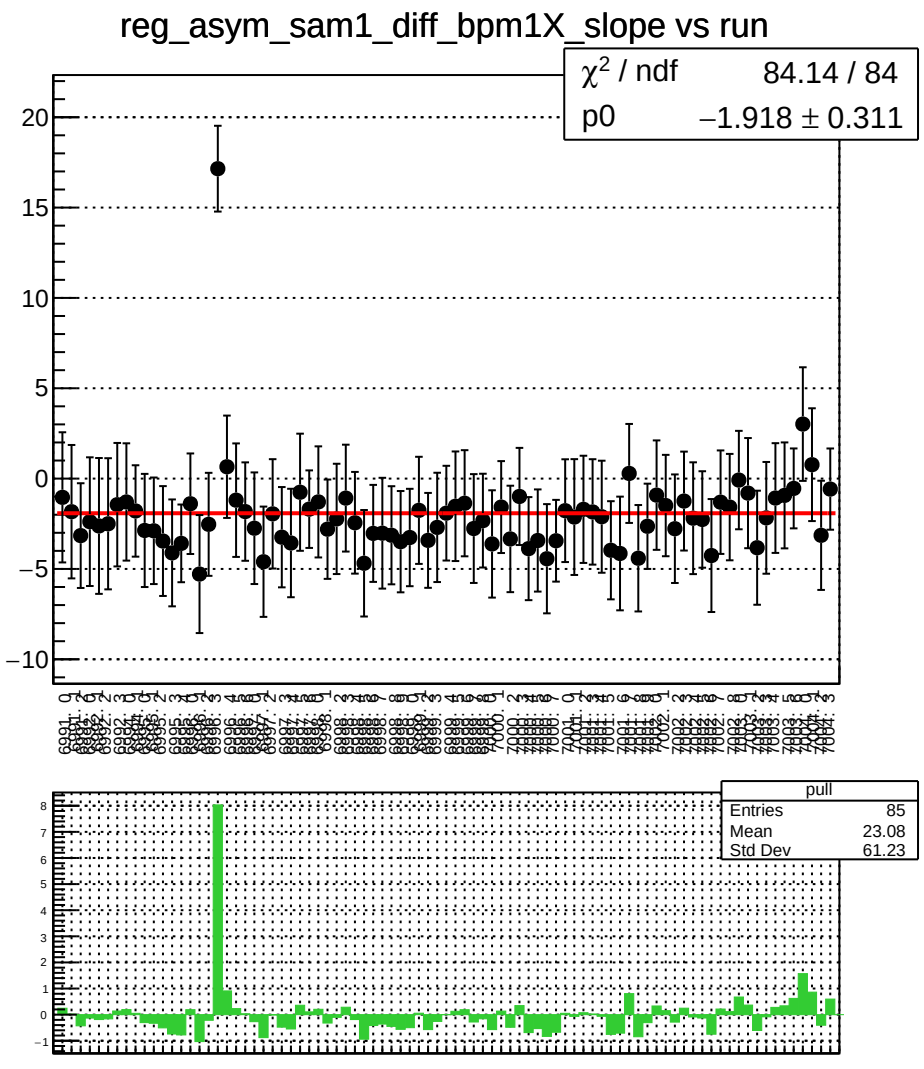
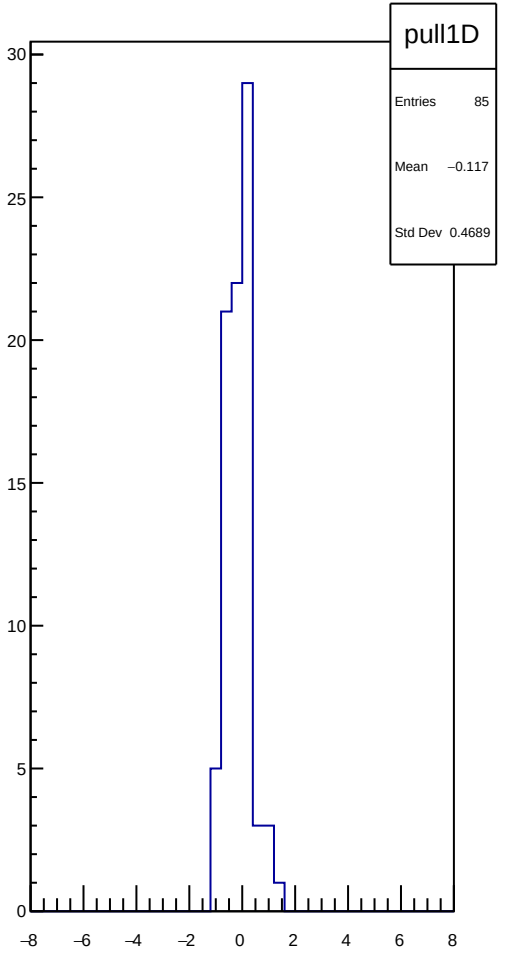
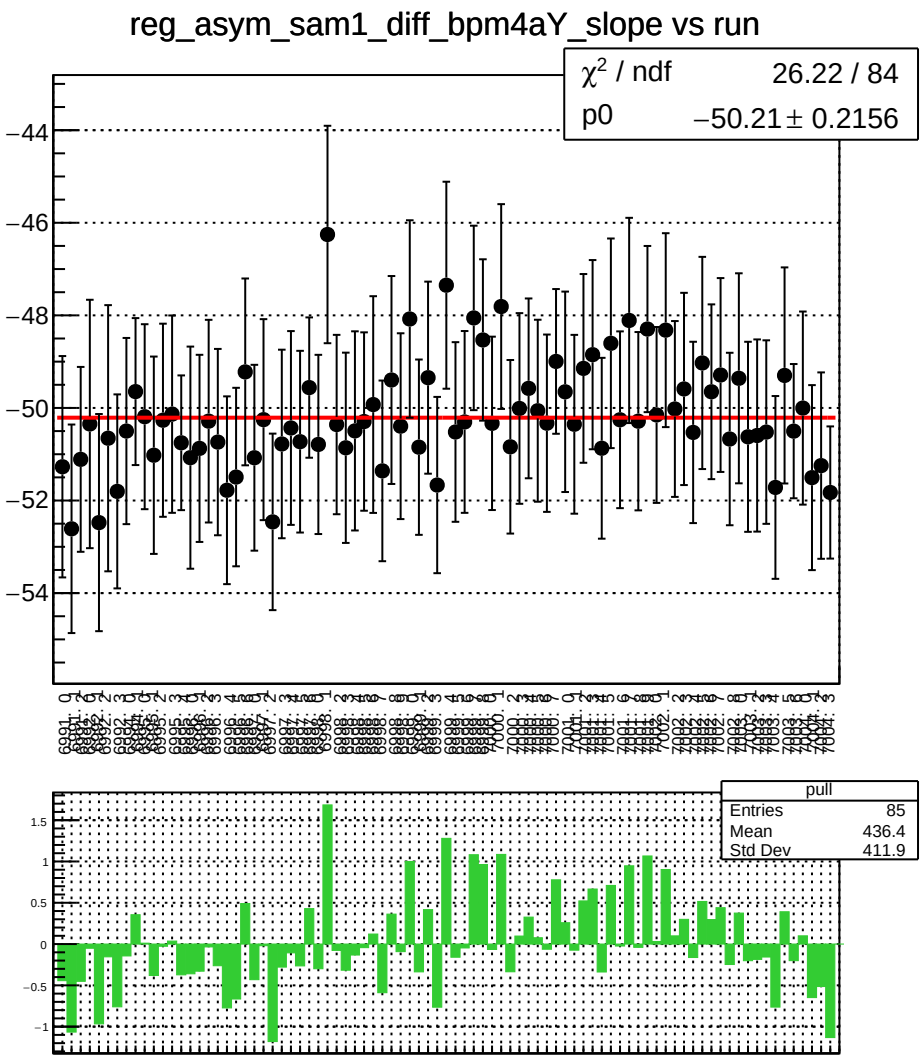
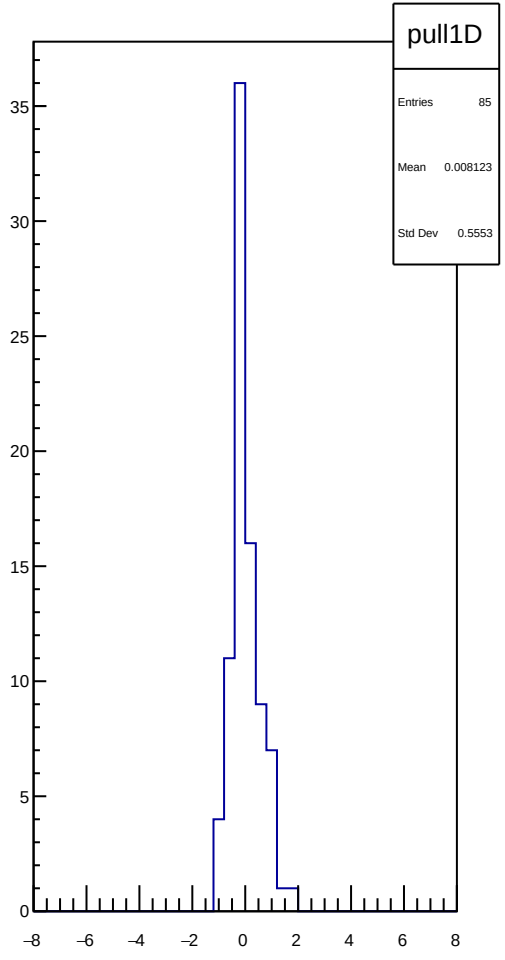

reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 84.14 / 84
p0 −1.918 ± 0.311
pull
Entries 85
Mean 23.08
Std Dev 61.23


pull1D
Entries 85
Mean −0.117
Std Dev 0.4689


reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 26.22 / 84
p0 −50.21 ± 0.2156
−44
−46
−48
−50
−52
−54
pull
Entries 85
Mean 436.4
Std Dev 411.9
1.5
1
0.5
0
−0.5
−1


pull1D
Entries 85
Mean 0.008123
Std Dev 0.5553
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30
25
20
15
10
5
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−4
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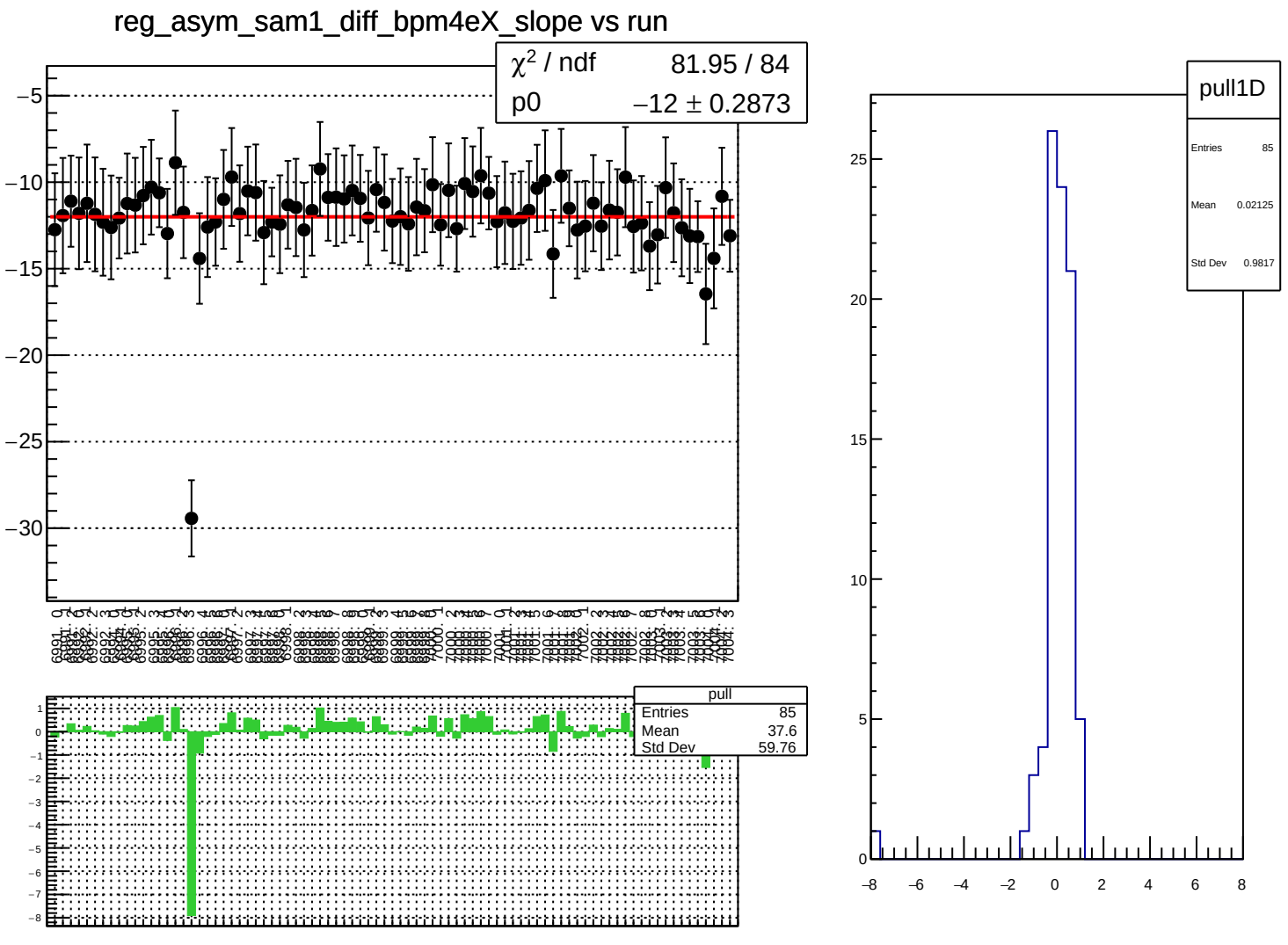
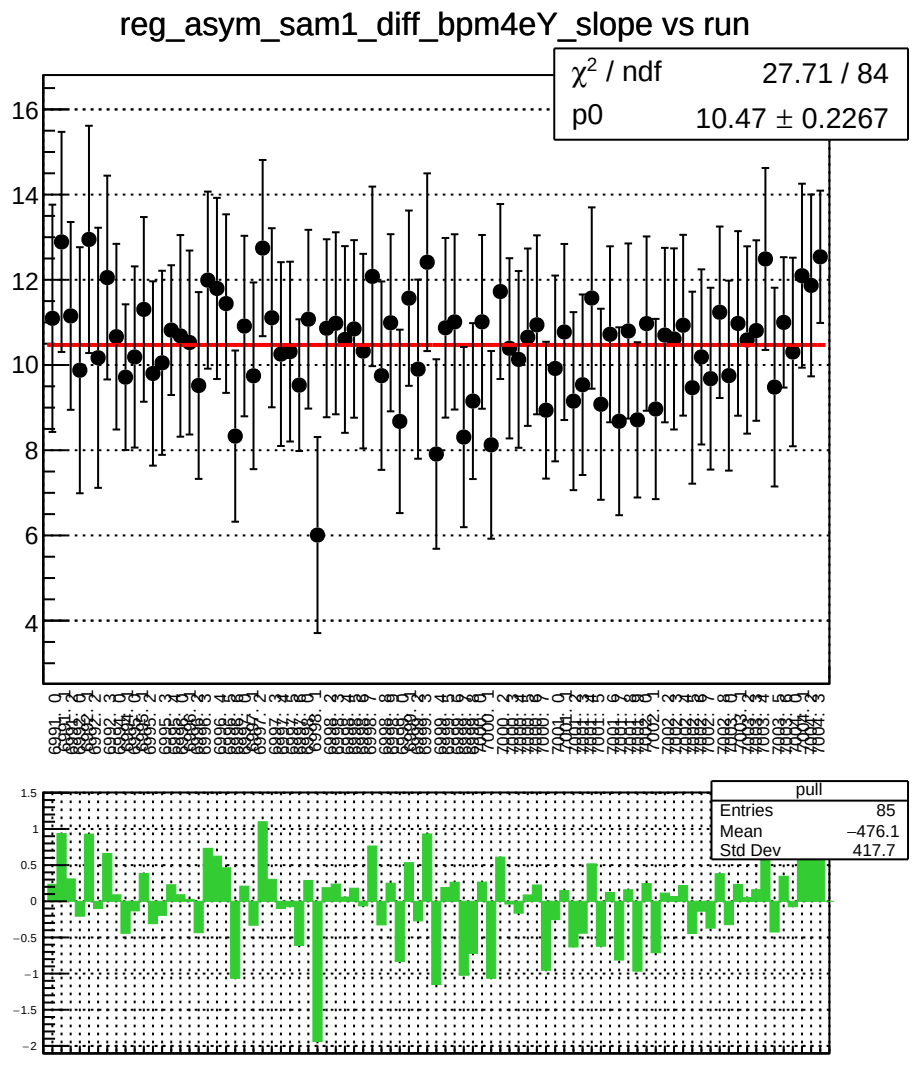
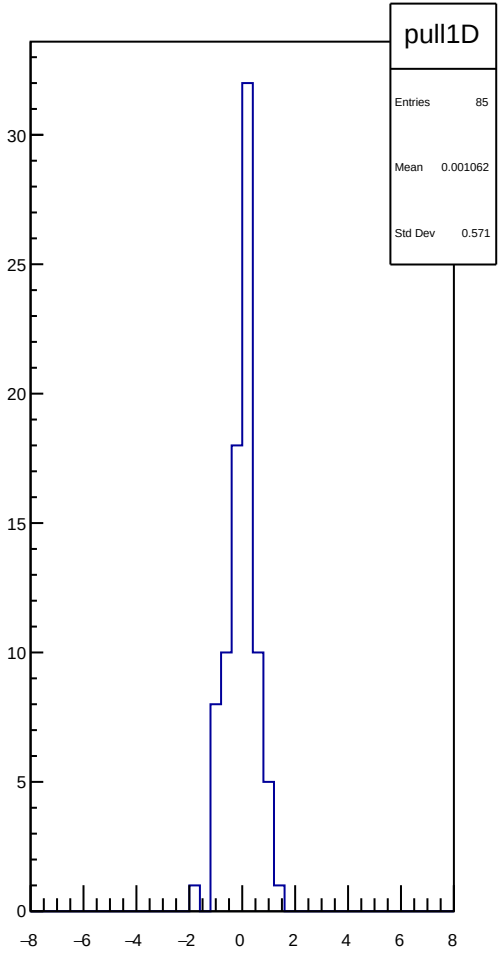
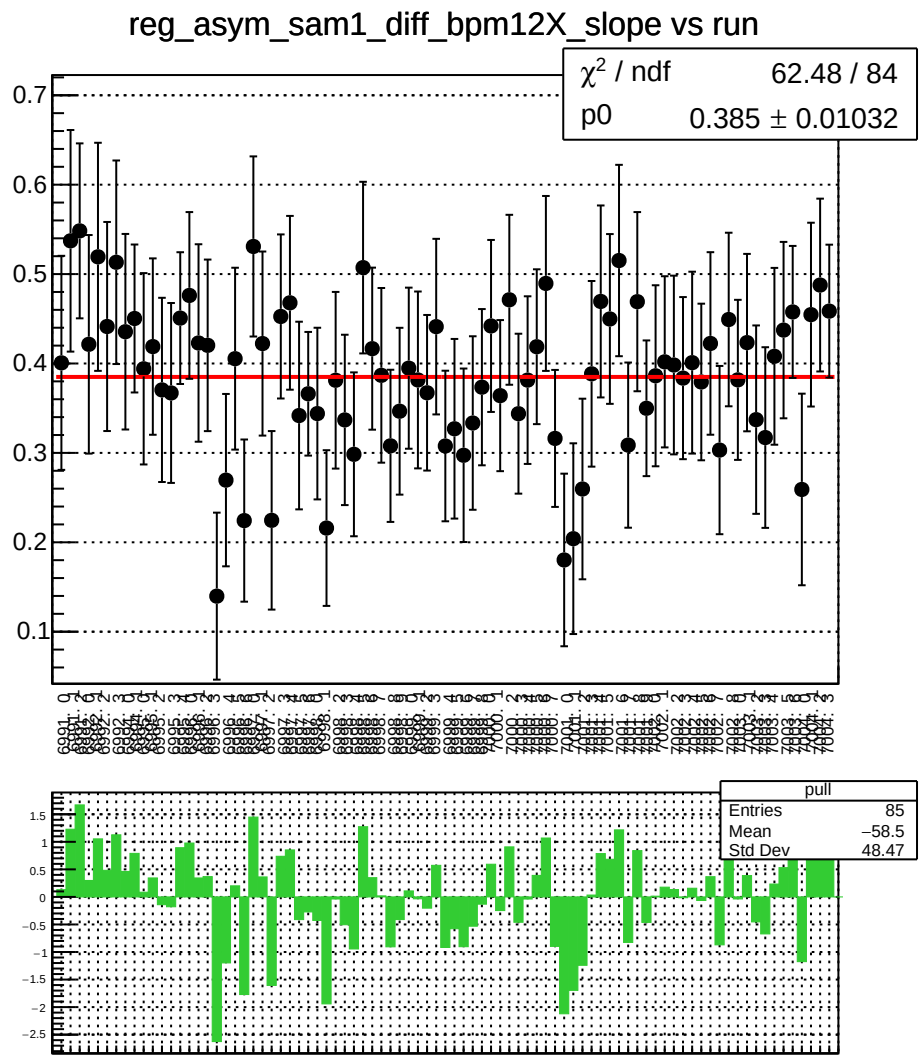
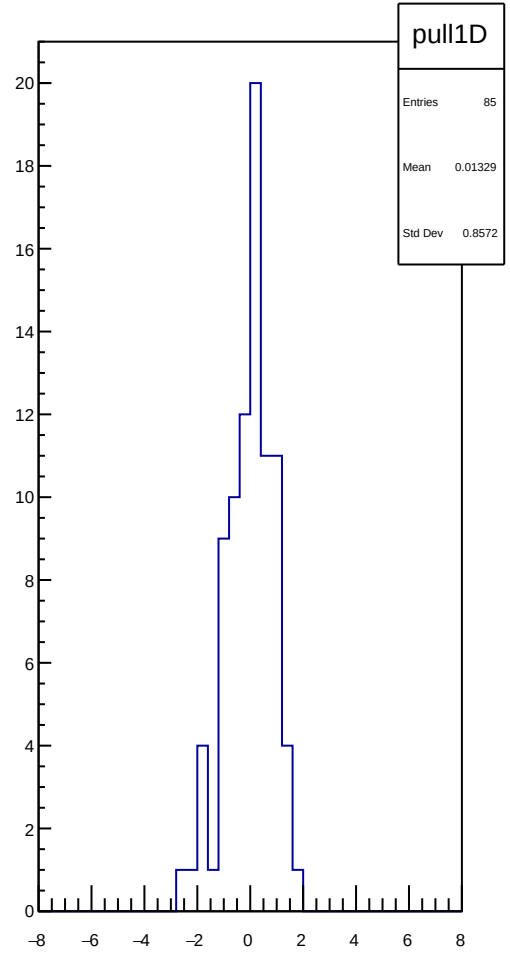
6
8

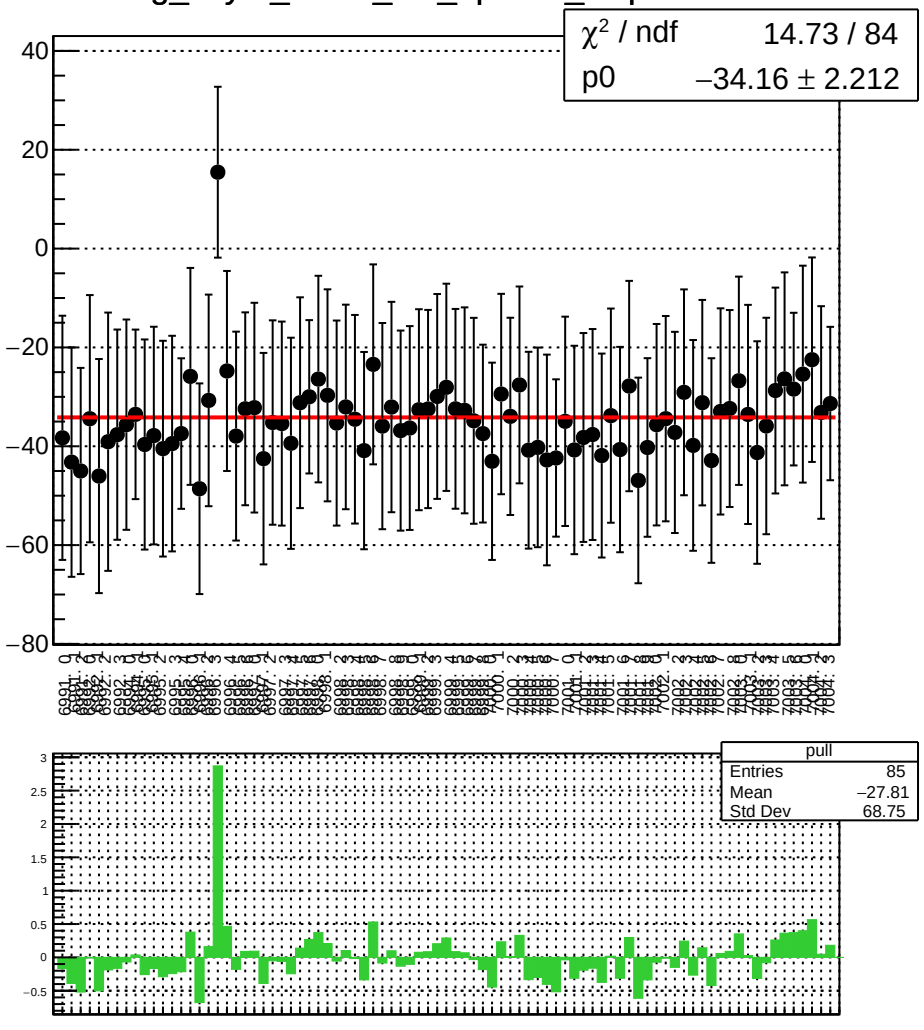

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 81.95 / 84
p0 −12 ± 0.2873
pull
Entries 85
Mean 37.6
Std Dev 59.76
pull1D
Entries 85
Mean 0.02125
Std Dev 0.9817

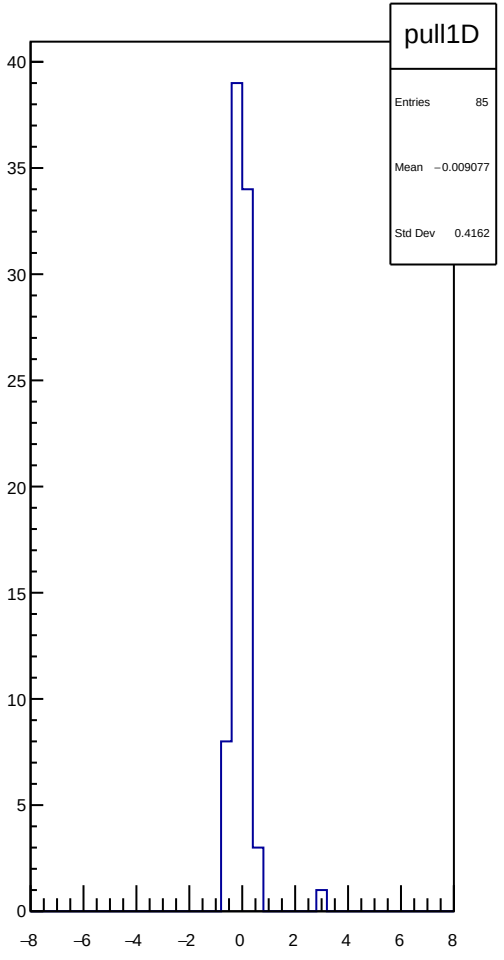

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 27.71 / 84
p0 10.47 ± 0.2267
pull
Entries 85
Mean −476.1
Std Dev 417.7


pull1D
Entries 85
Mean 0.001062
Std Dev 0.571


reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 62.48 / 84
p0 0.385 ± 0.01032
pull
Entries 85
Mean −58.5
Std Dev 48.47


pull1D
Entries 85
Mean 0.01329
Std Dev 0.8572


reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 14.73 / 84
p0 −34.16 ± 2.212
pull
Entries 85
Mean −27.81
Std Dev 68.75


pull1D
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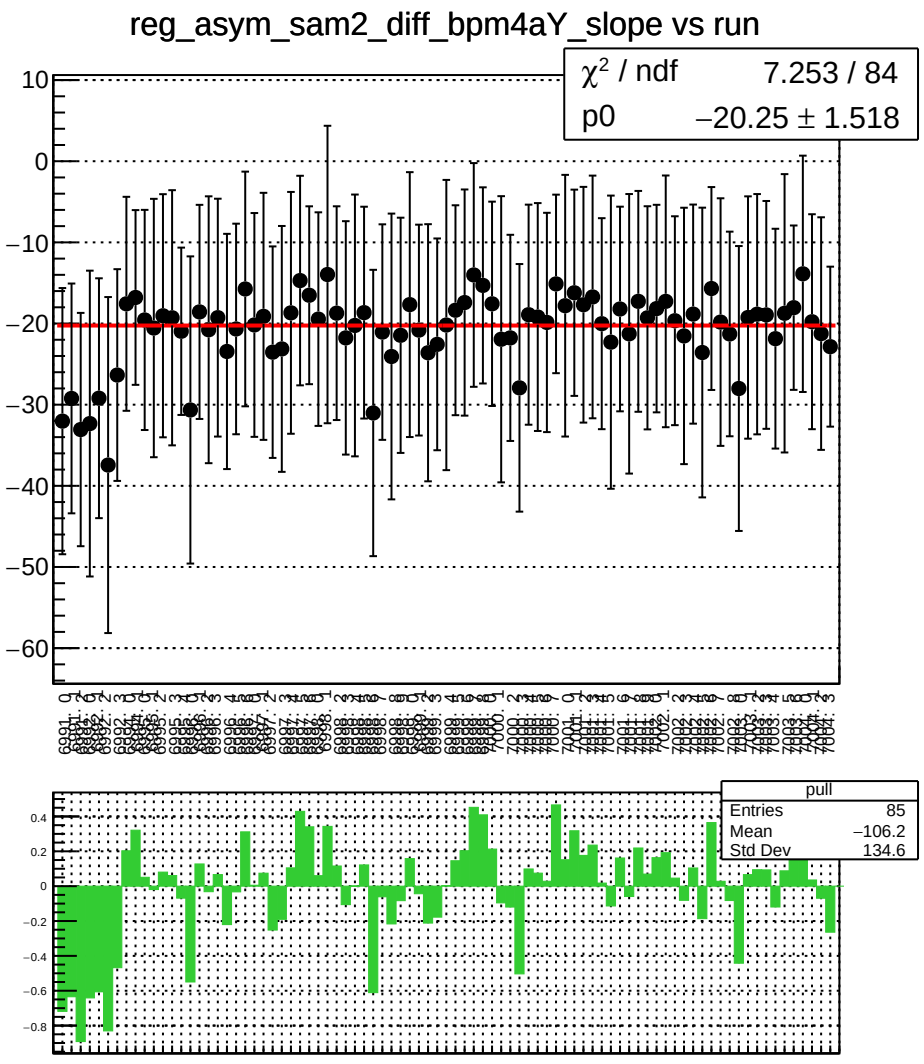
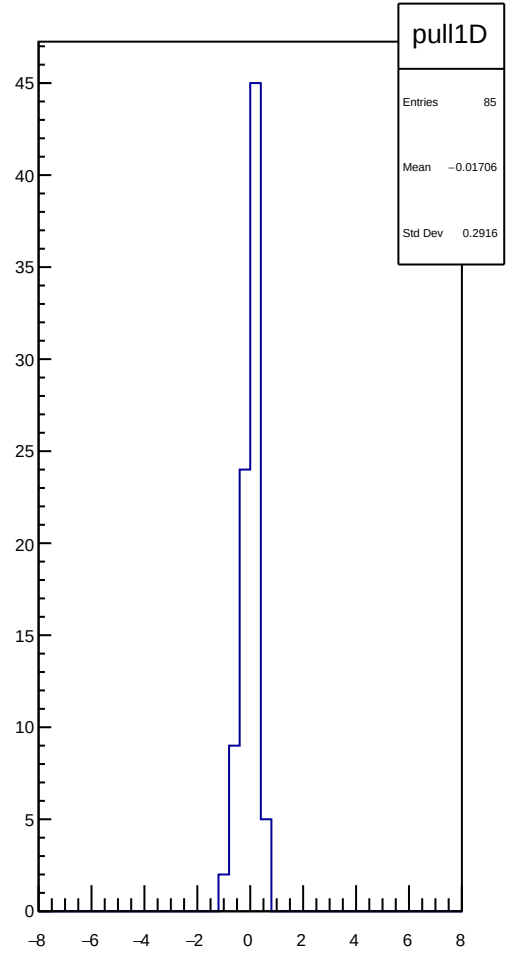
Mean −0.009077
Std Dev 0.4162


reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 7.253 / 84
p0 −20.25 ± 1.518
pull
Entries 85
Mean −106.2
Std Dev 134.6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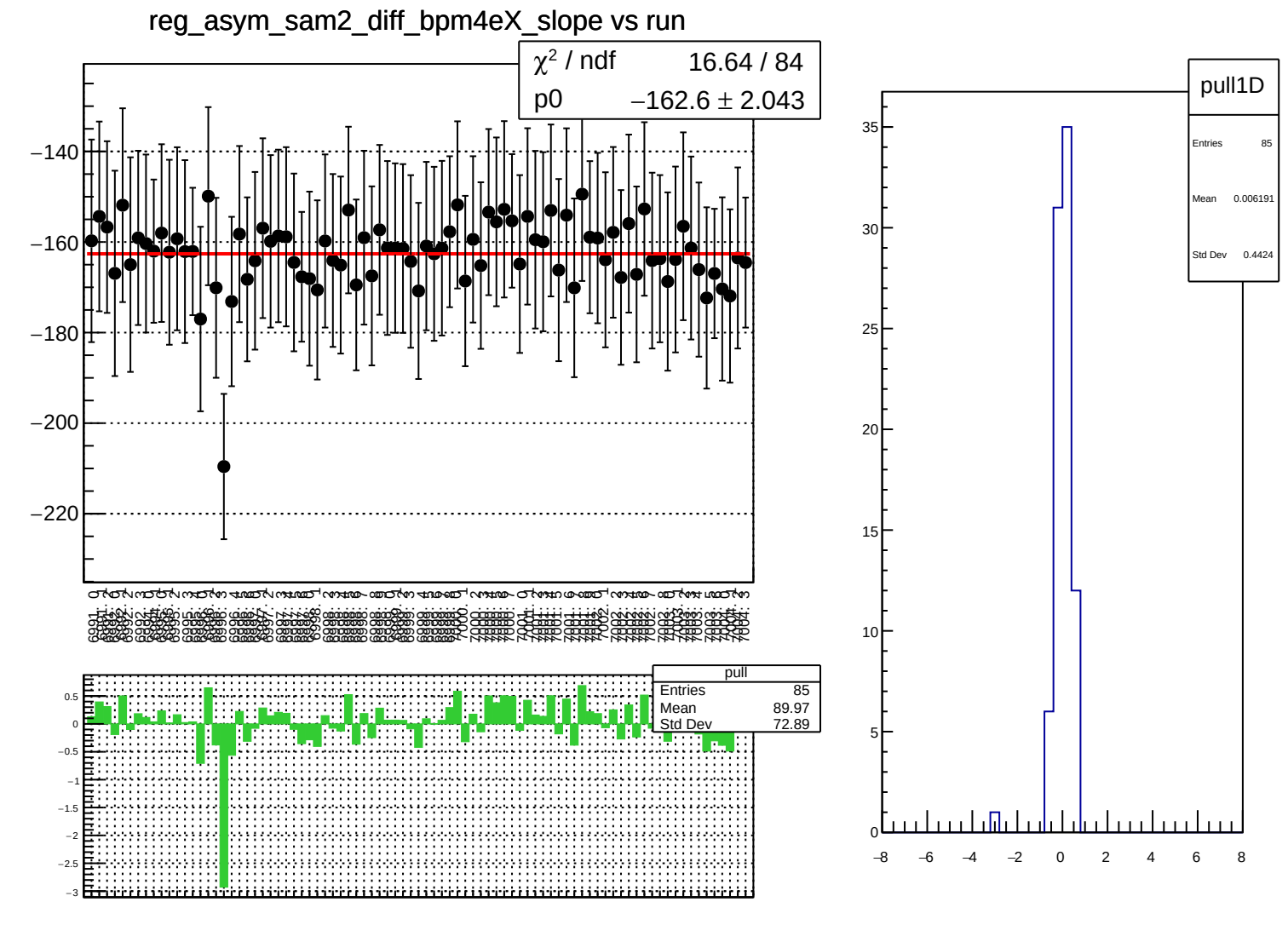
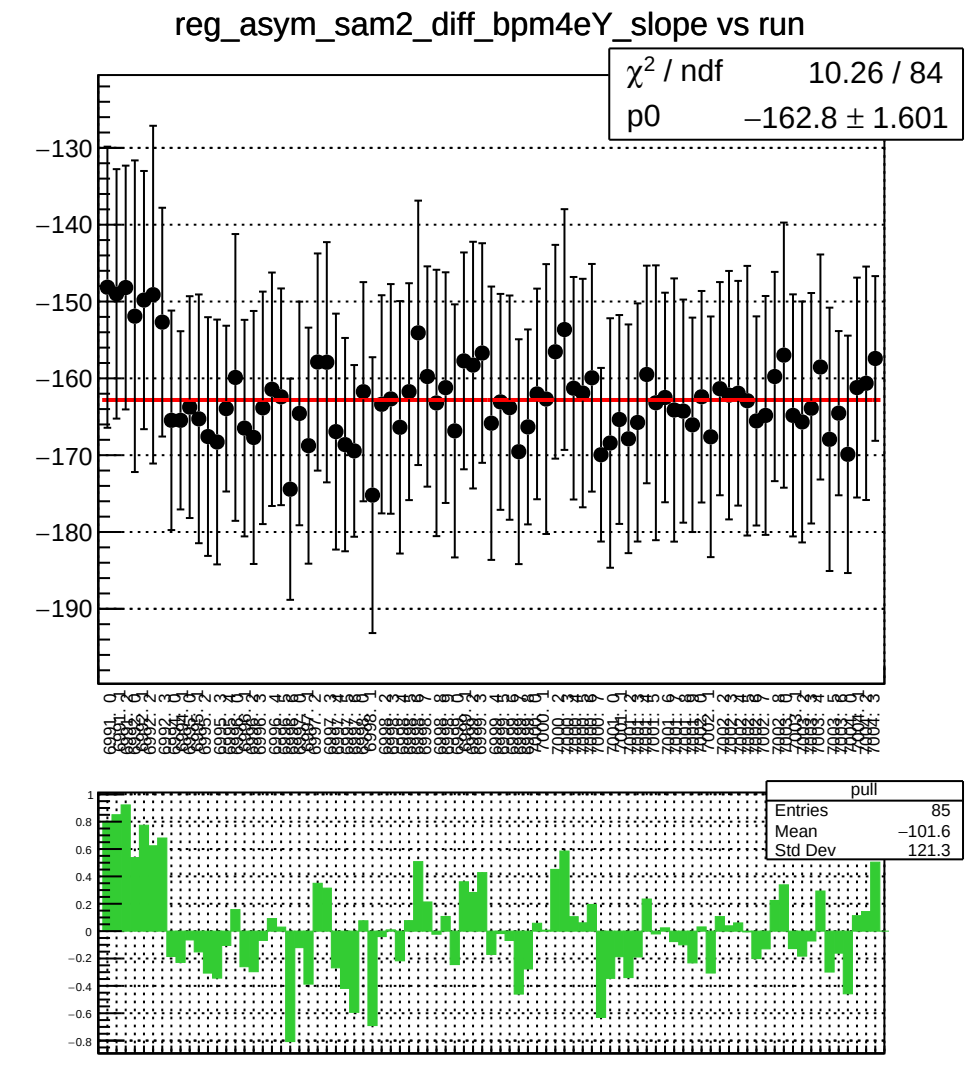
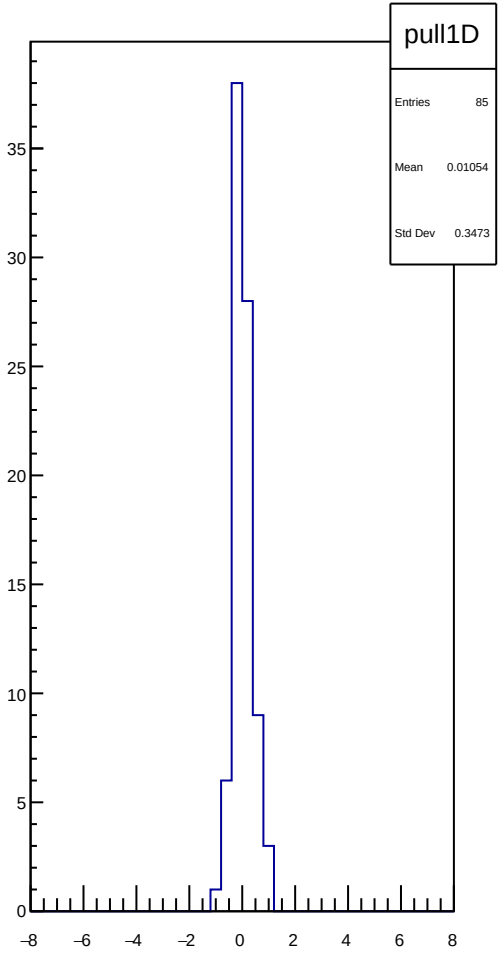
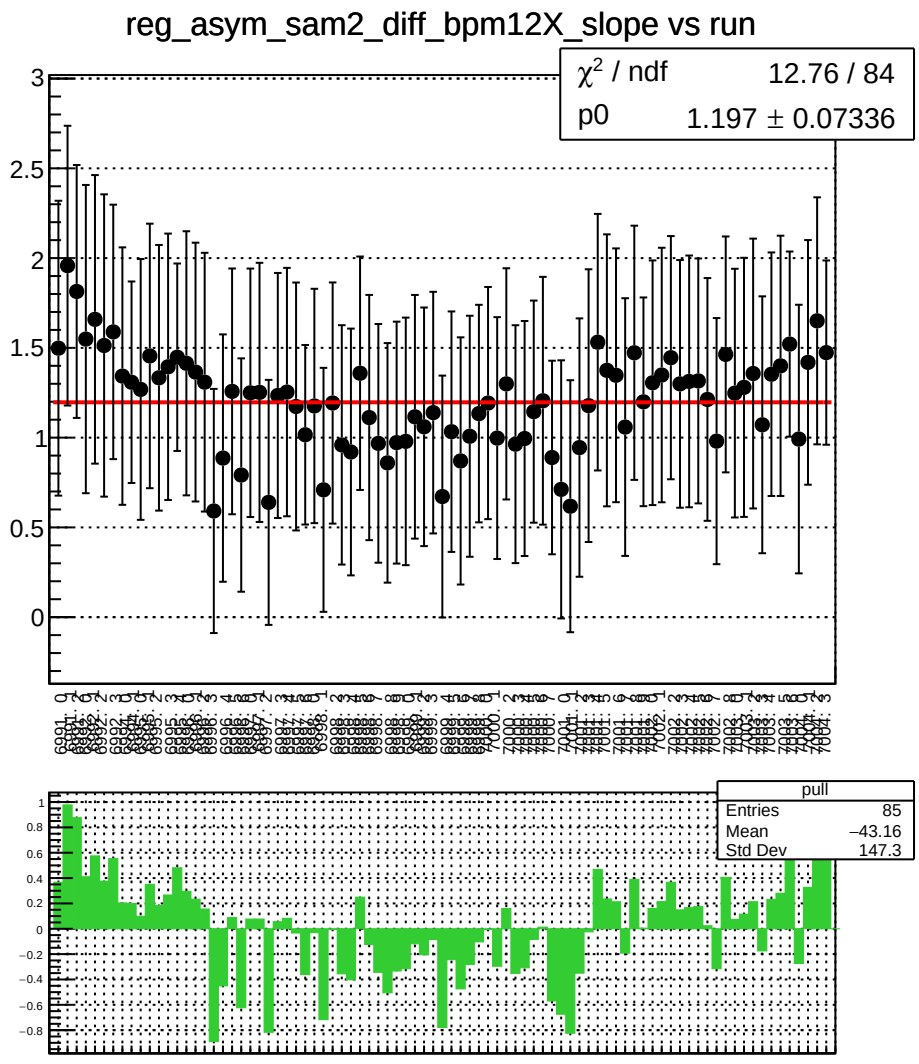
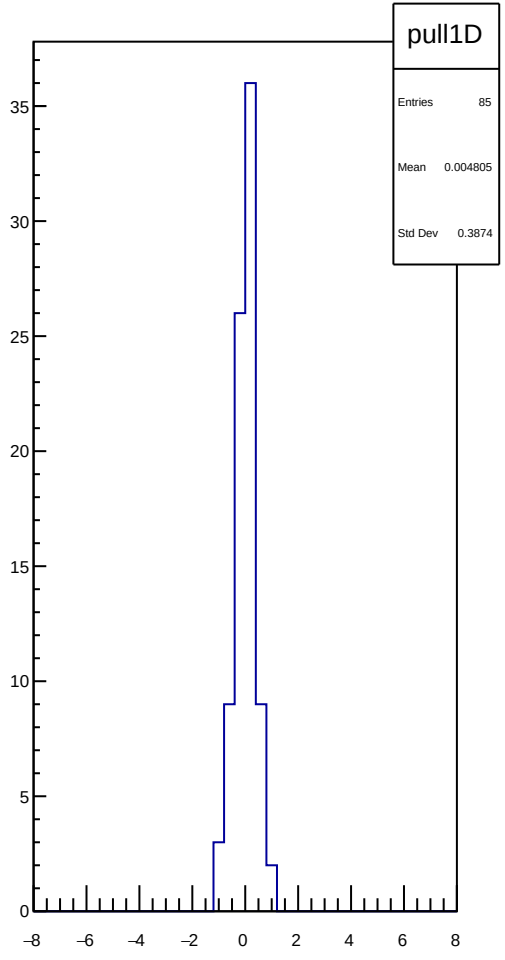
Entries 85
Mean −0.01706
Std Dev 0.2916

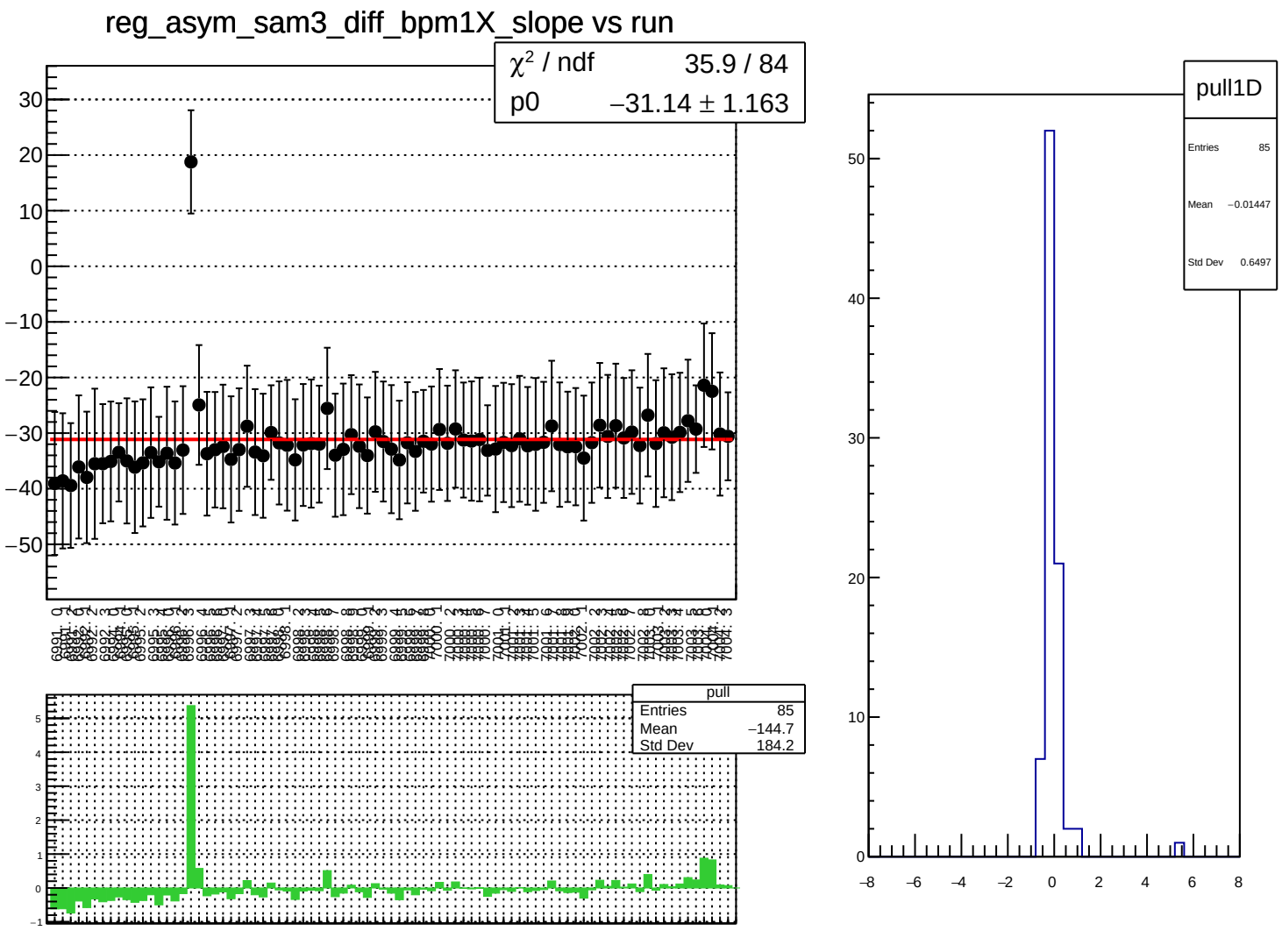

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 16.64 / 84
p0 −162.6 ± 2.043
−140
−160
−180
−200
−220
pull
Entries 85
Mean 89.97
Std Dev 72.89
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 85
Mean 0.006191
Std Dev 0.4424
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

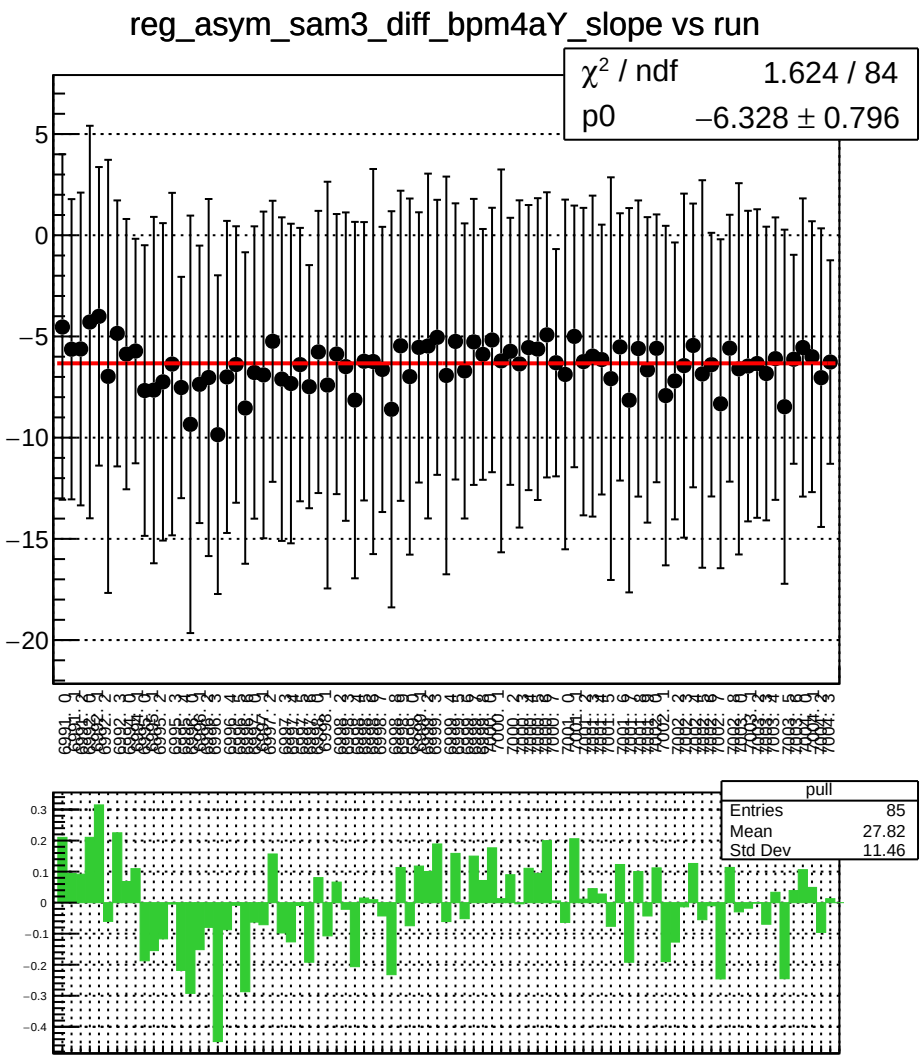

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 10.26 / 84
p0 −162.8 ± 1.601
−130
−140
−150
−160
−170
−180
−190
pull
Entries 85
Mean −101.6
Std Dev 121.3
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

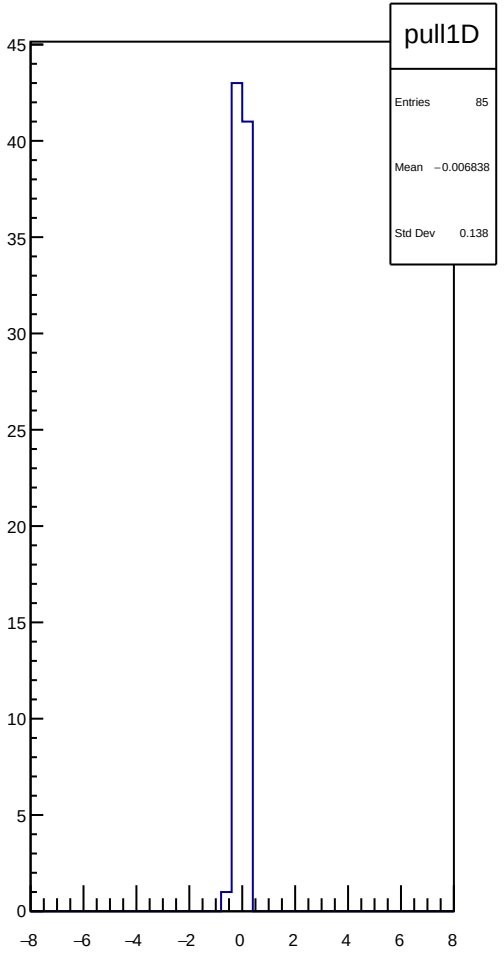

pull1D
Entries 85
Mean 0.01054
Std Dev 0.3473
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

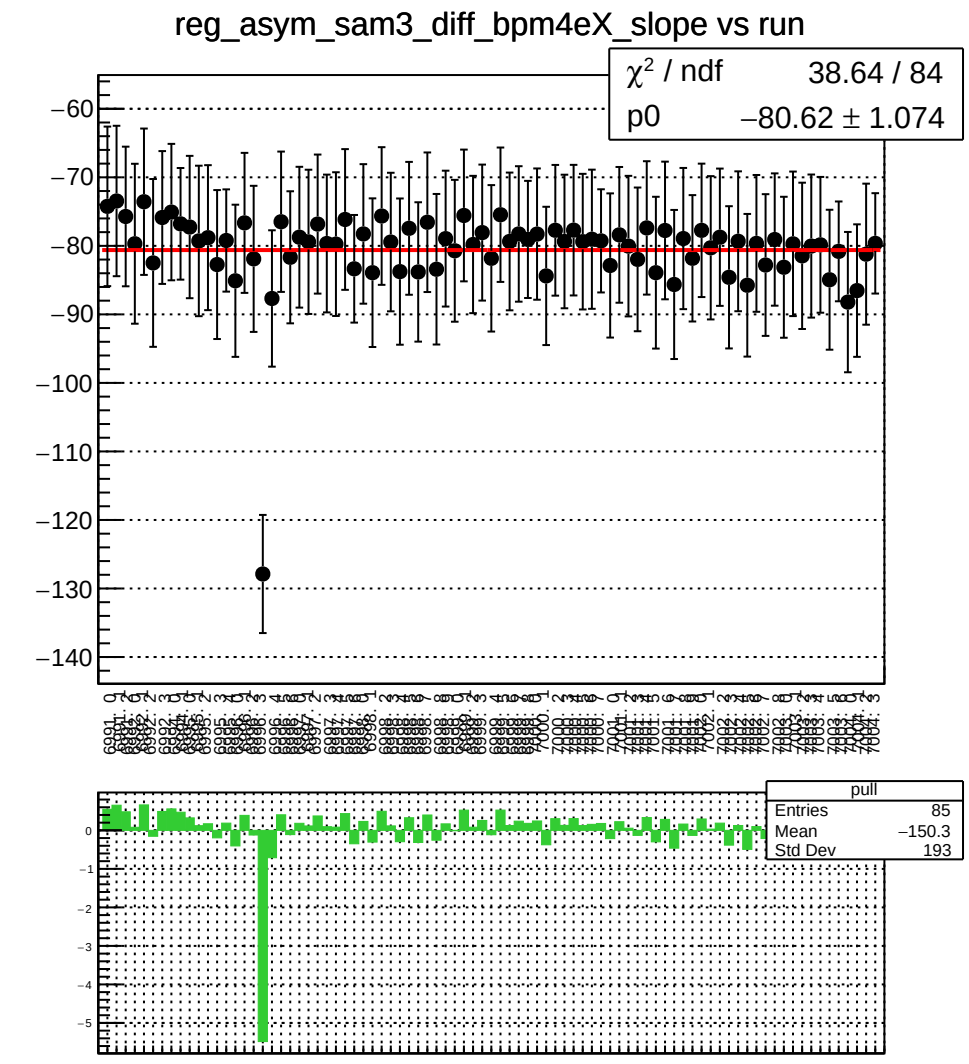

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 12.76 / 84
p0 1.197 ± 0.07336
pull
Entries 85
Mean −43.16
Std Dev 147.3

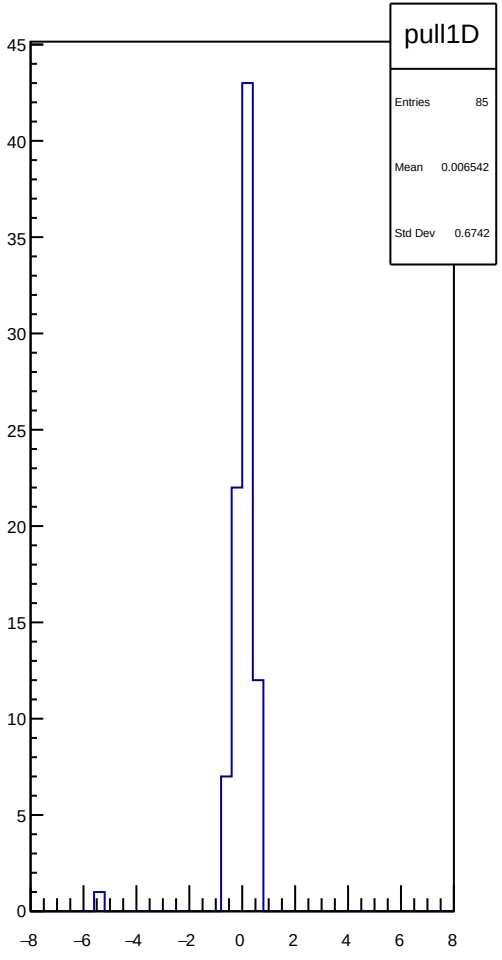

pull1D
Entries 85
Mean 0.004805
Std Dev 0.3874

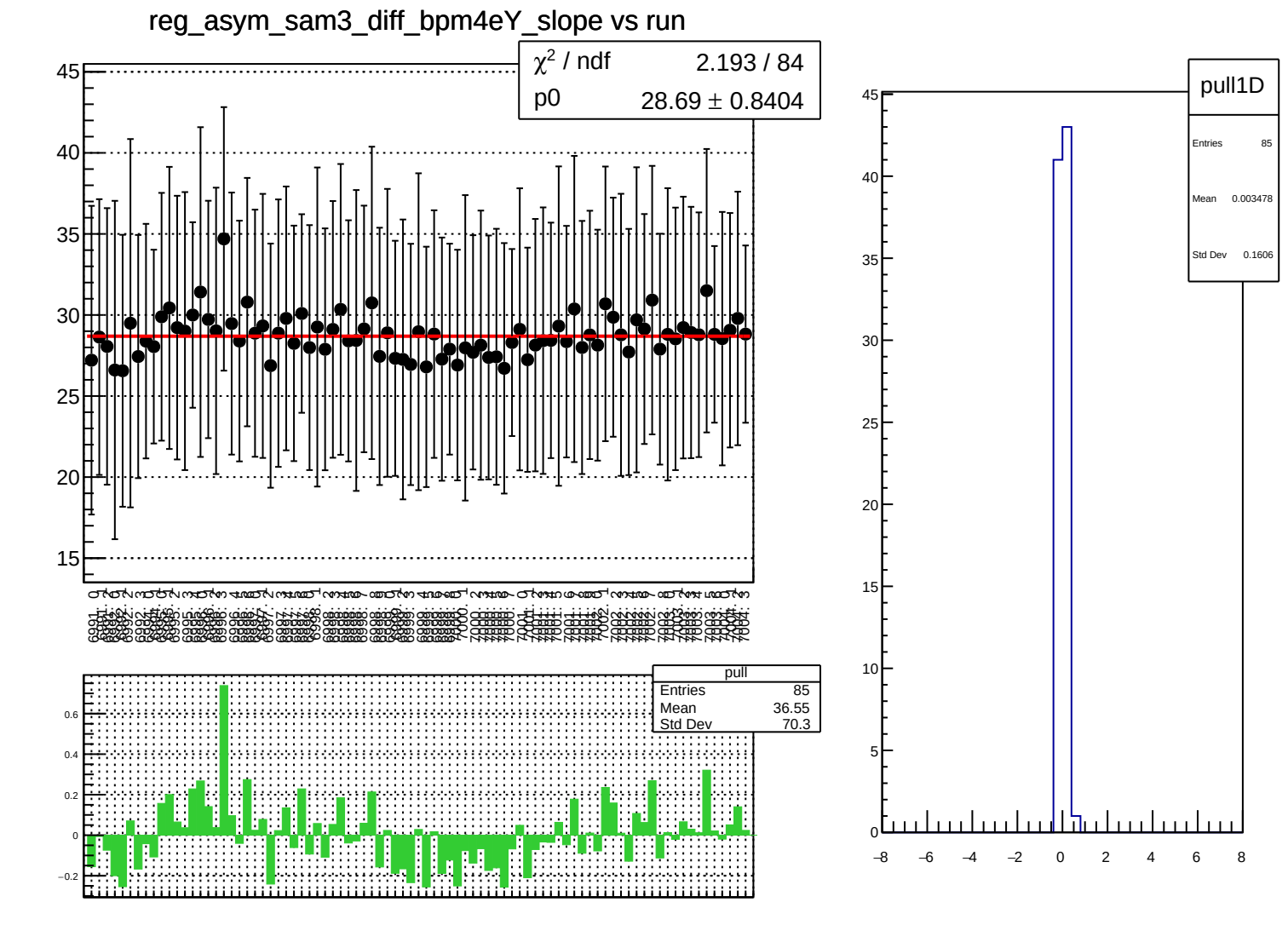

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 35.9 / 84
p0 −31.14 ± 1.163
pull
Entries 85
Mean −144.7
Std Dev 184.2
pull1D
Entries 85
Mean −0.01447
Std Dev 0.6497

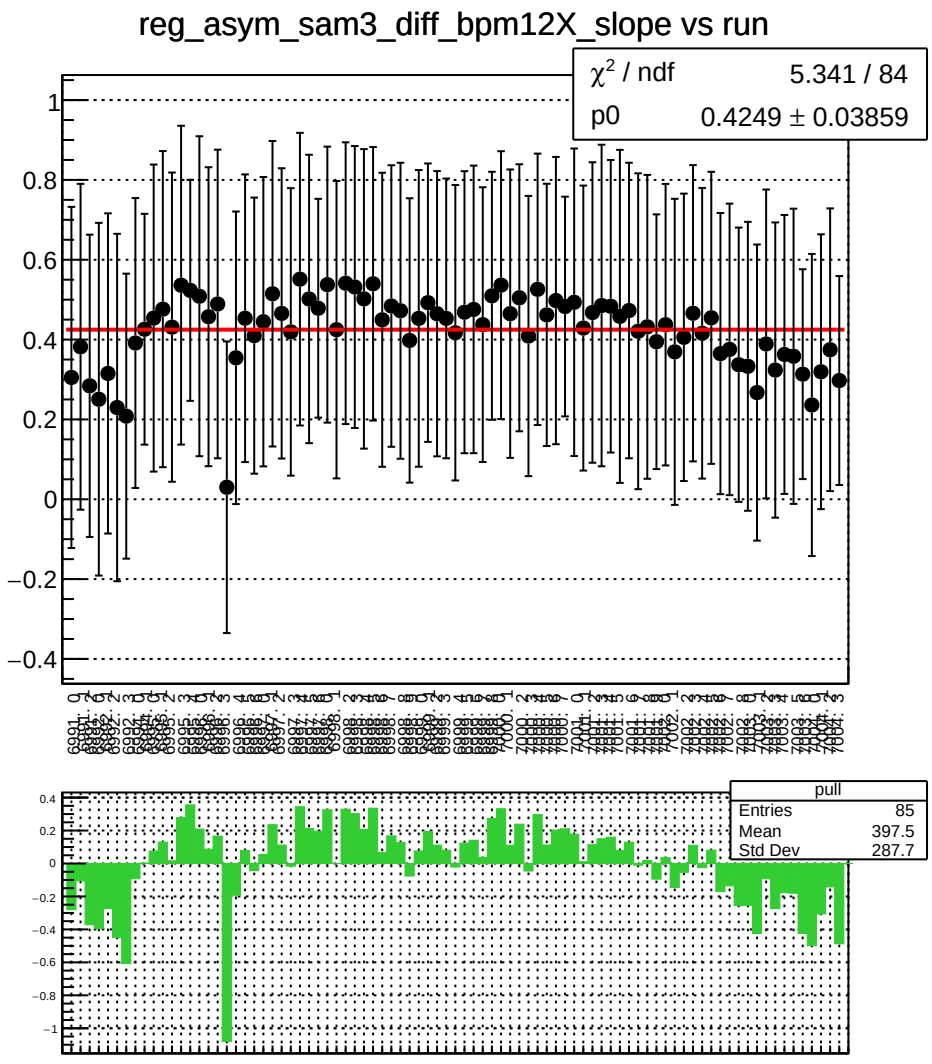

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.624 / 84
p0 −6.328 ± 0.796
pull
Entries 85
Mean 27.82
Std Dev 11.46

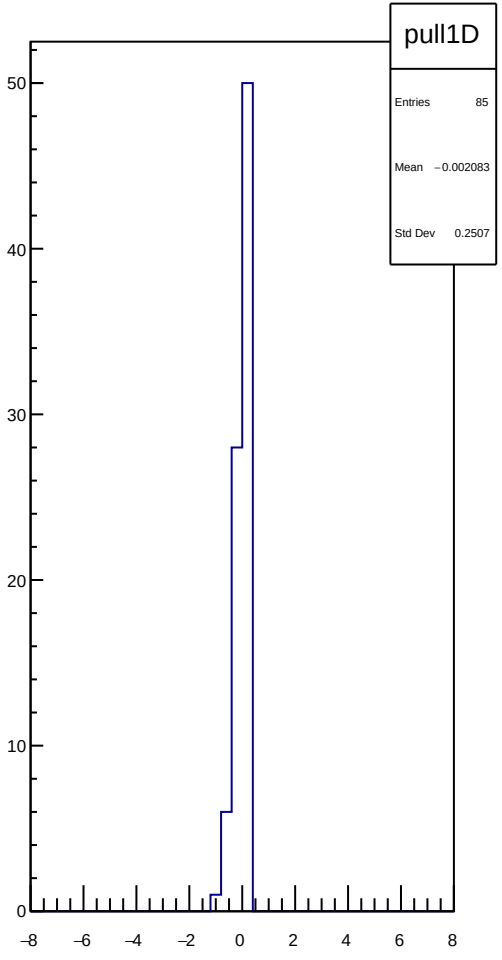

pull1D
Entries 85
Mean −0.006838
Std Dev 0.138

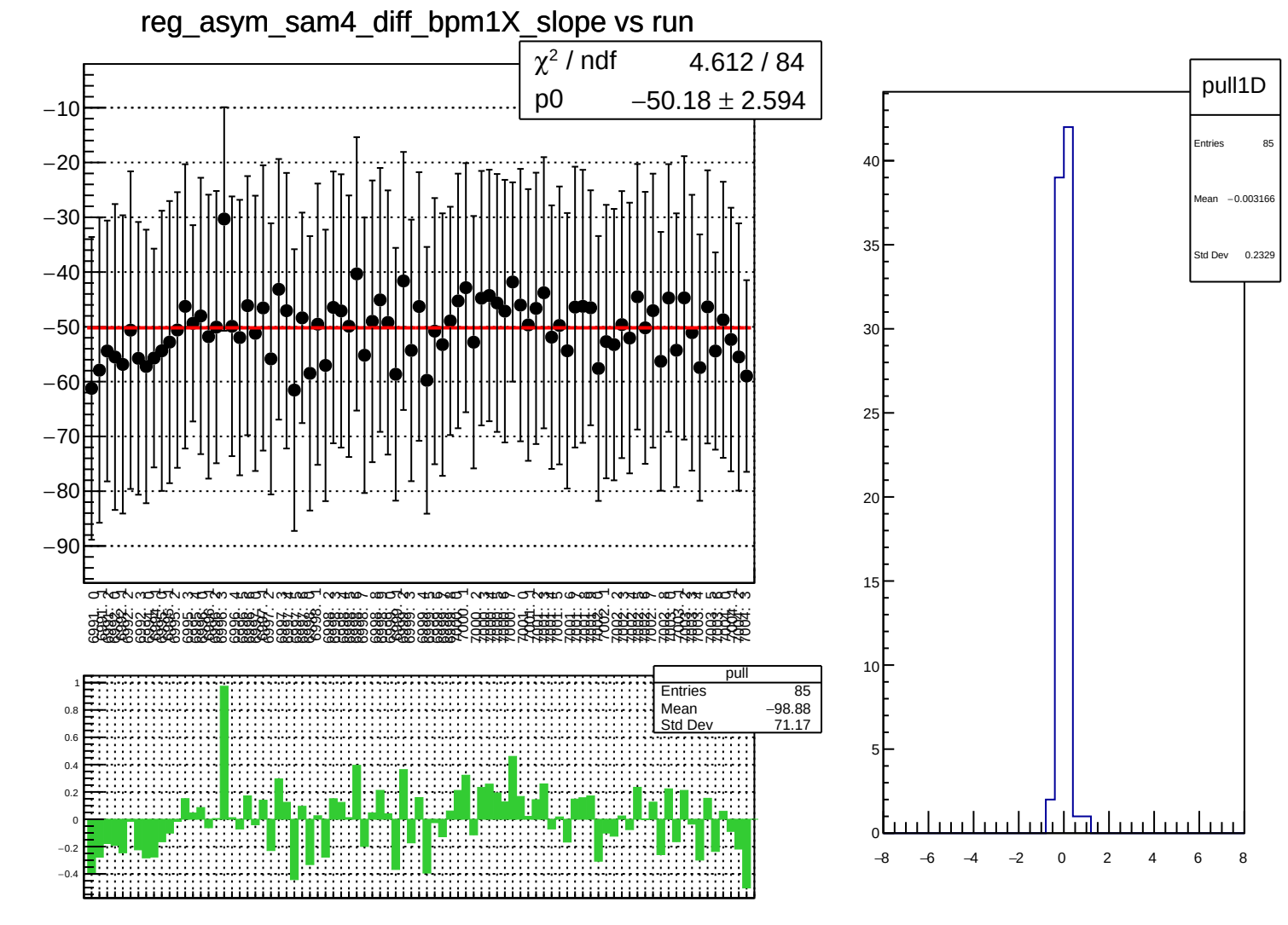

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 38.64 / 84
p0 −80.62 ± 1.074
pull
Entries 85
Mean −150.3
Std Dev 193

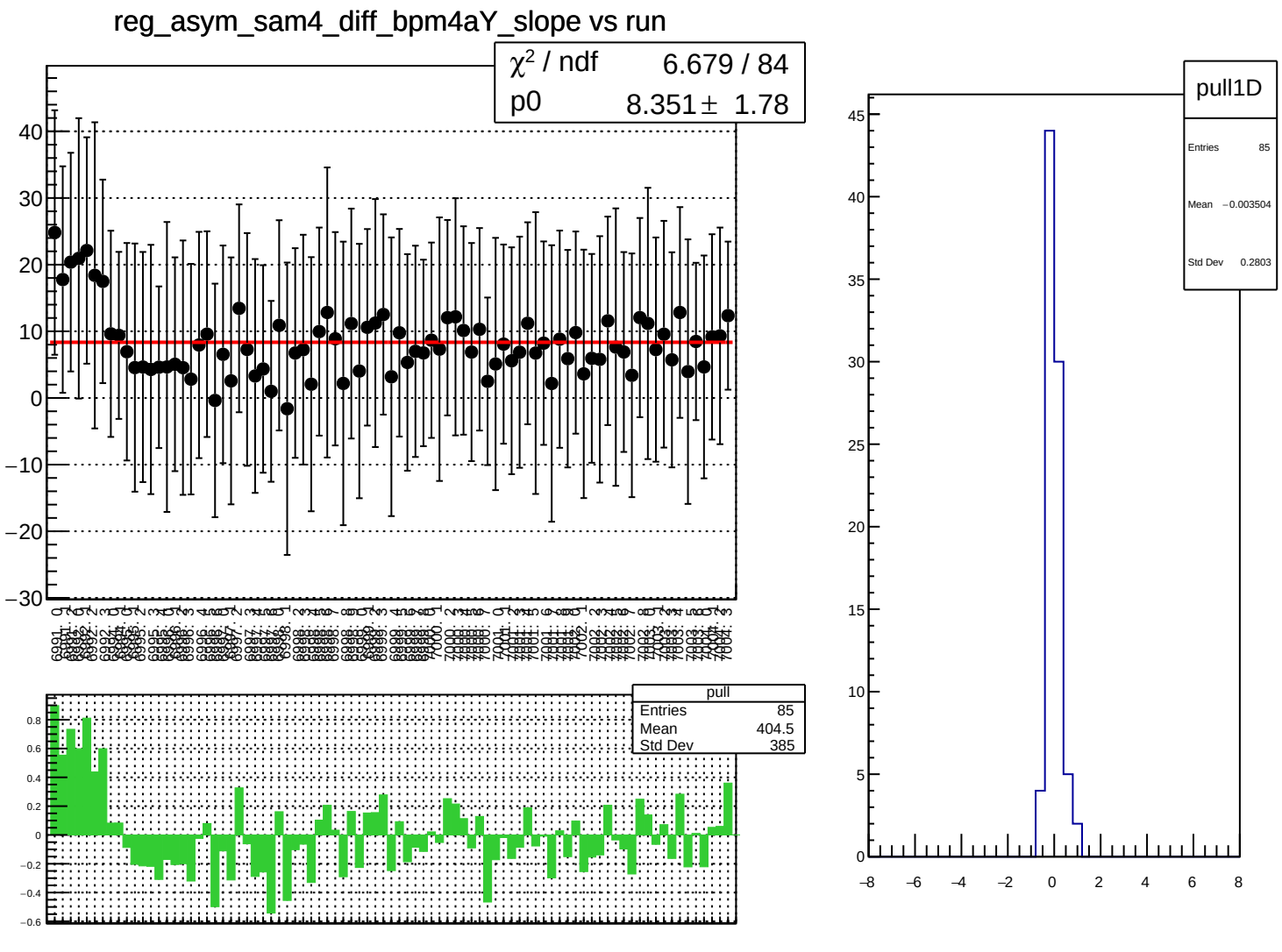

pull1D
Entries 85
Mean 0.006542
Std Dev 0.6742

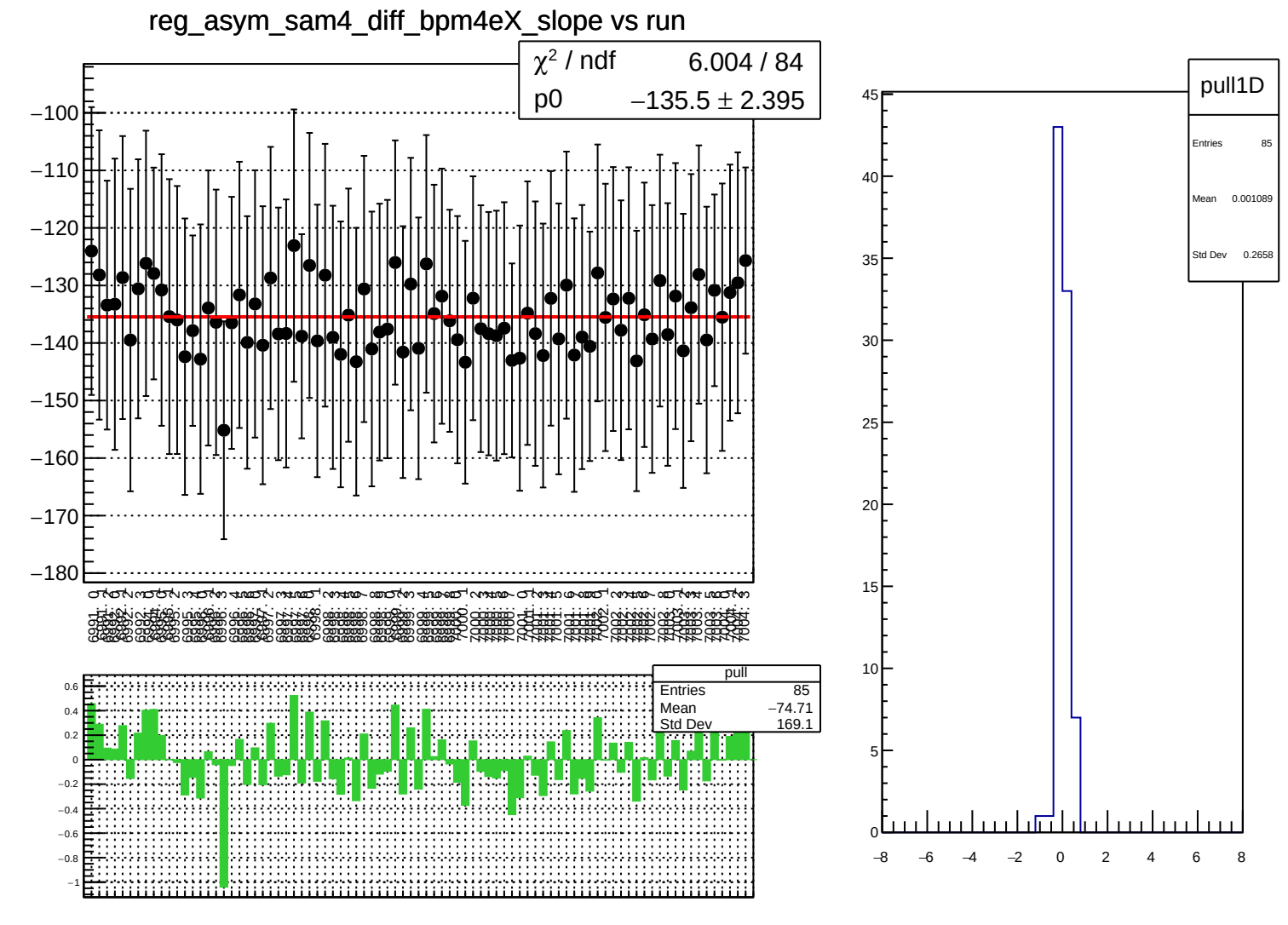

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 2.193 / 84
p0 28.69 ± 0.8404
pull
Entries 85
Mean 36.55
Std Dev 70.3
pull1D
Entries 85
Mean 0.003478
Std Dev 0.1606

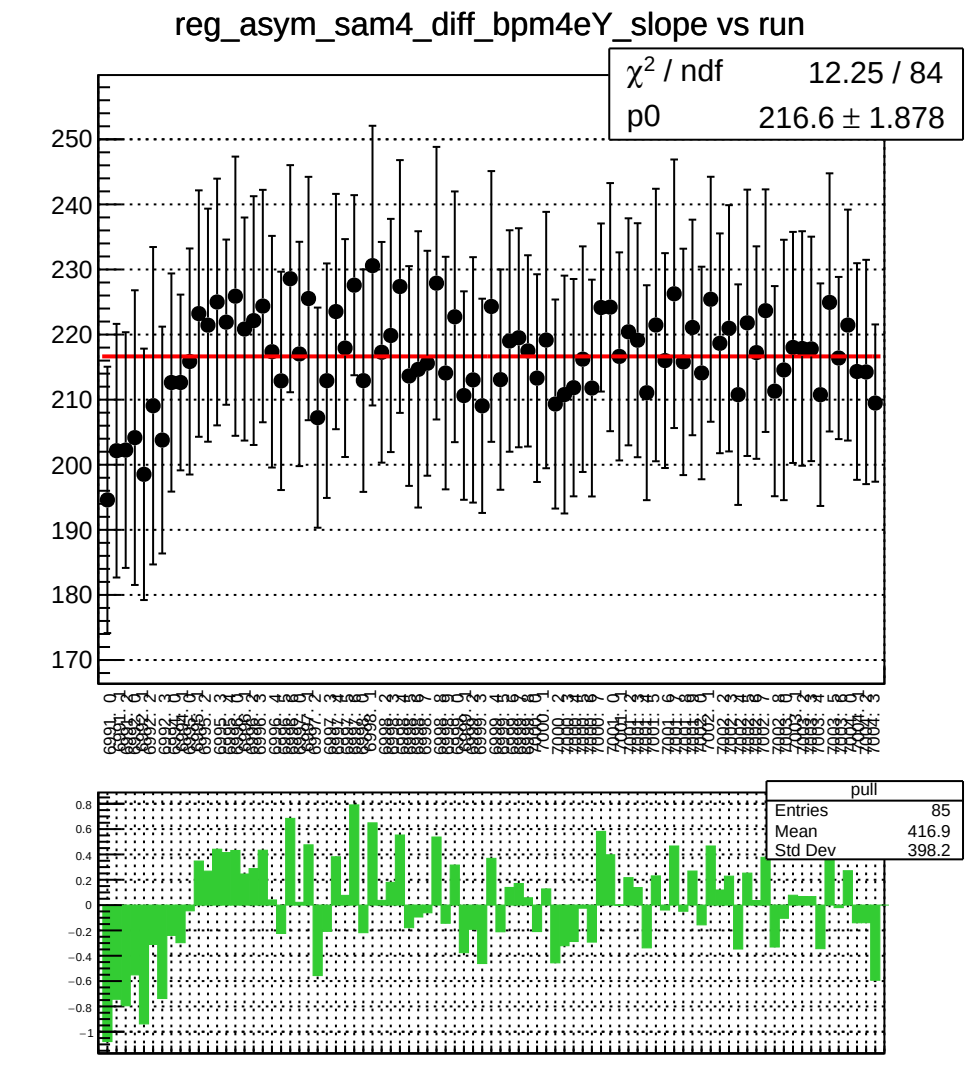

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 5.341 / 84
p0 0.4249 ± 0.03859
pull
Entries 85
Mean 397.5
Std Dev 287.7

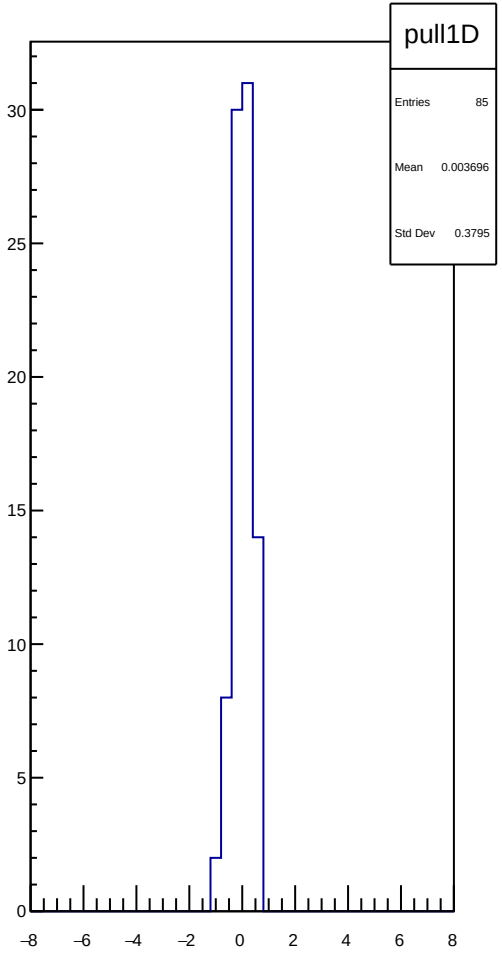

pull1D
Entries 85
Mean −0.002083
Std Dev 0.2507

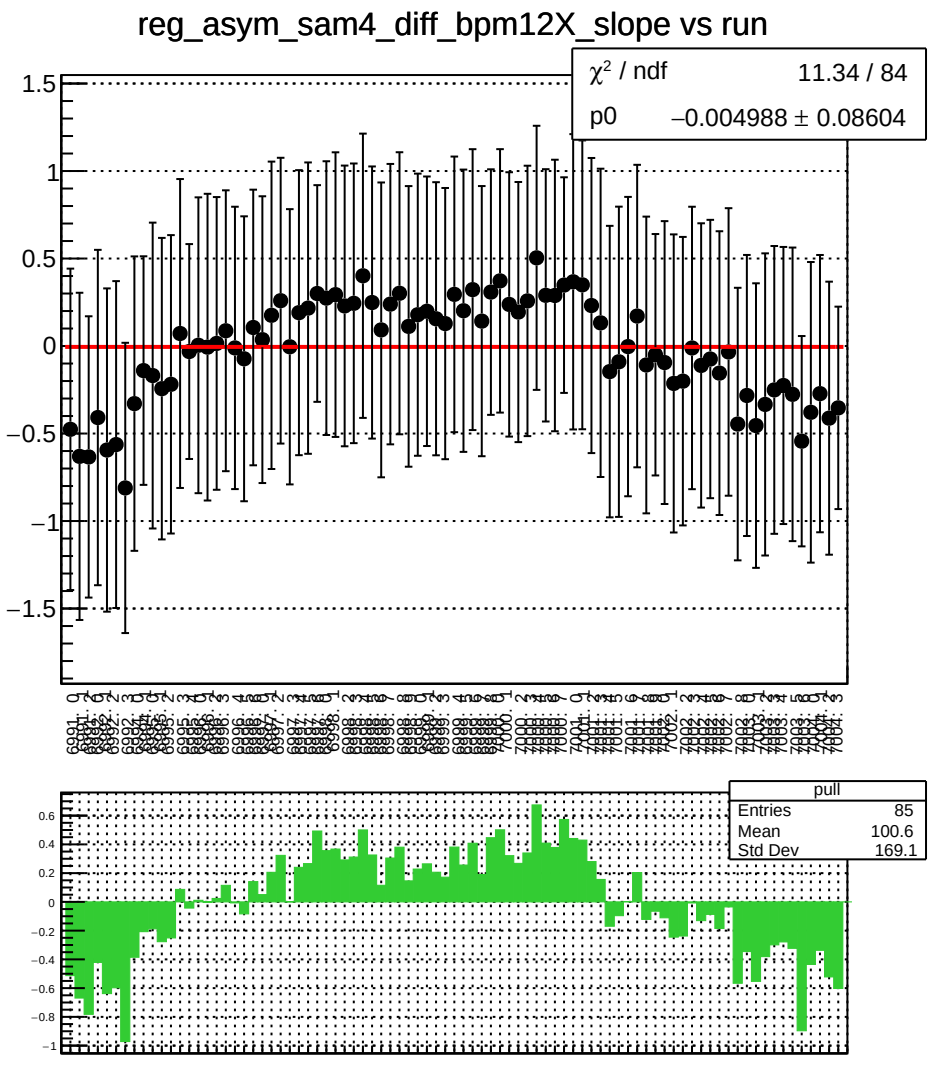

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 4.612 / 84
p0 −50.18 ± 2.594
pull
Entries 85
Mean −98.88
Std Dev 71.17
pull1D
Entries 85
Mean −0.003166
Std Dev 0.2329

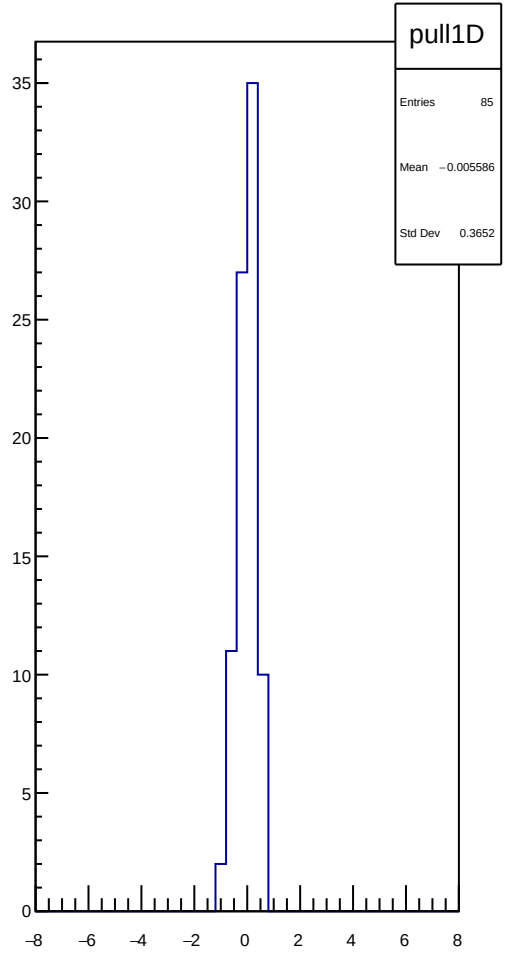

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 6.679 / 84
p0 8.351 ± 1.78
pull
Entries 85
Mean 404.5
Std Dev 385
pull1D
Entries 85
Mean −0.003504
Std Dev 0.2803

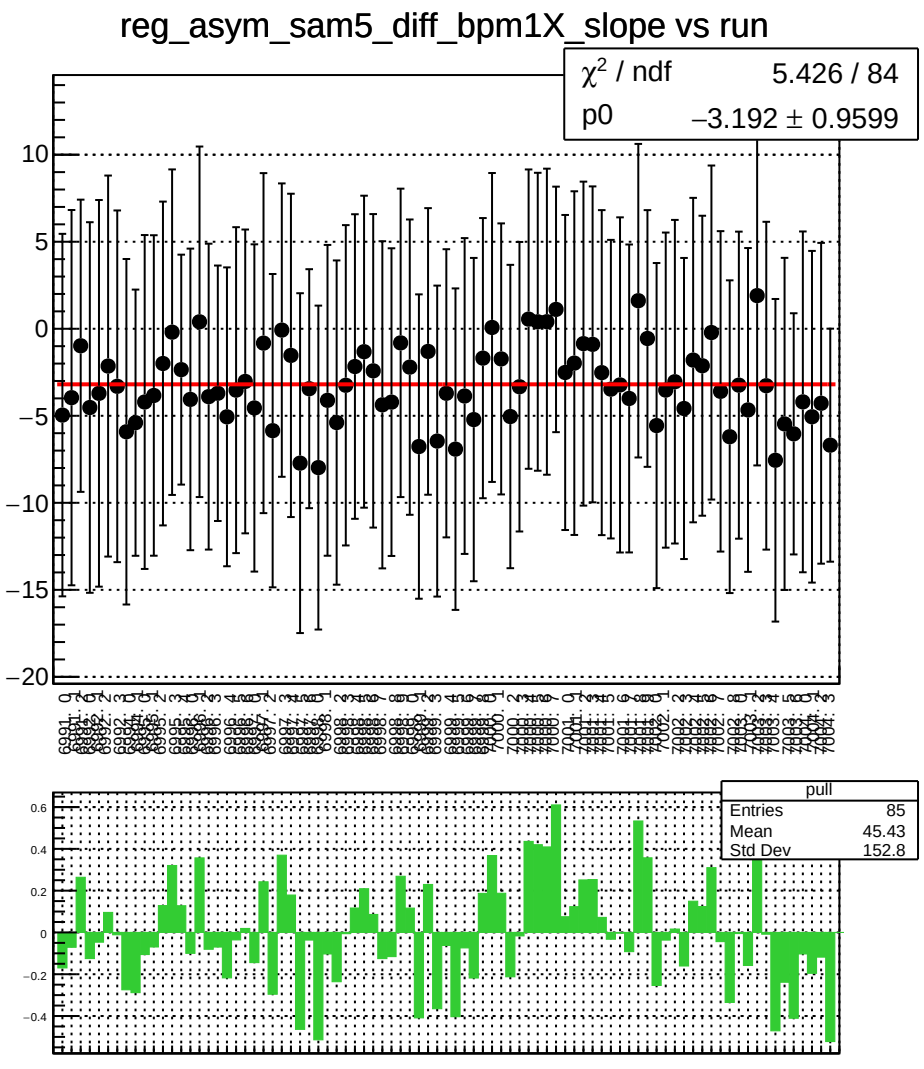

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 6.004 / 84
p0 −135.5 ± 2.395
pull
Entries 85
Mean −74.71
Std Dev 169.1
pull1D
Entries 85
Mean 0.001089
Std Dev 0.2658

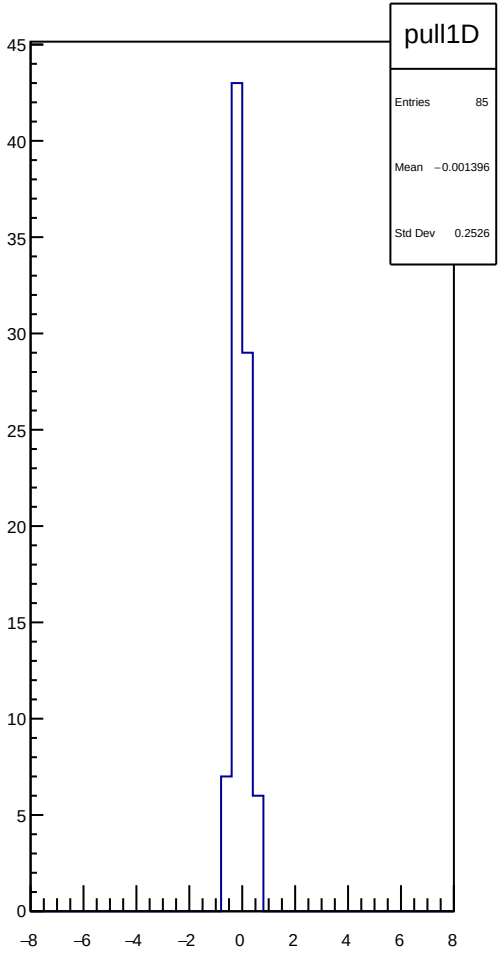

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 12.25 / 84
p0 216.6 ± 1.878
pull
Entries 85
Mean 416.9
Std Dev 398.2

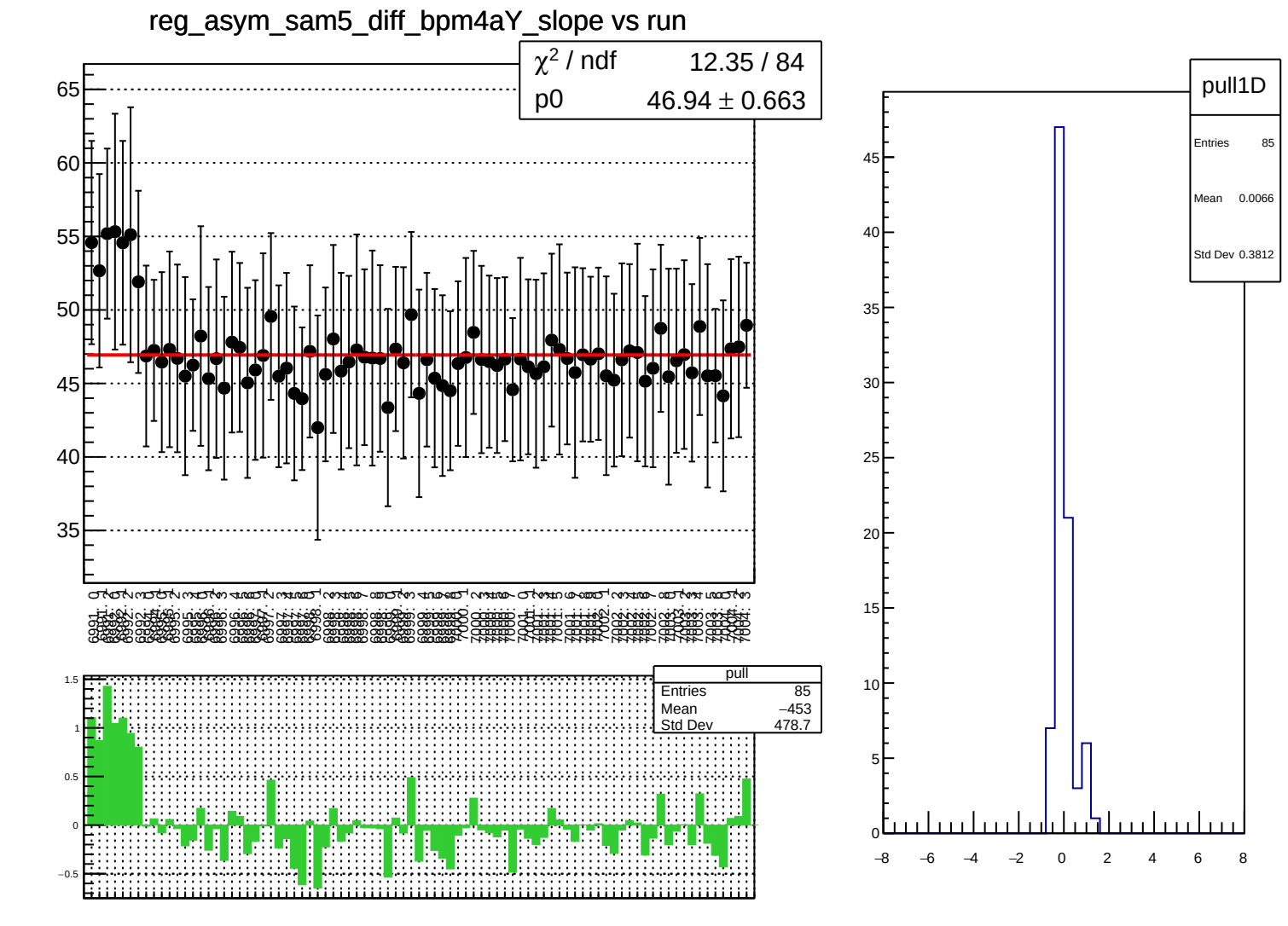

pull1D
Entries 85
Mean 0.003696
Std Dev 0.3795

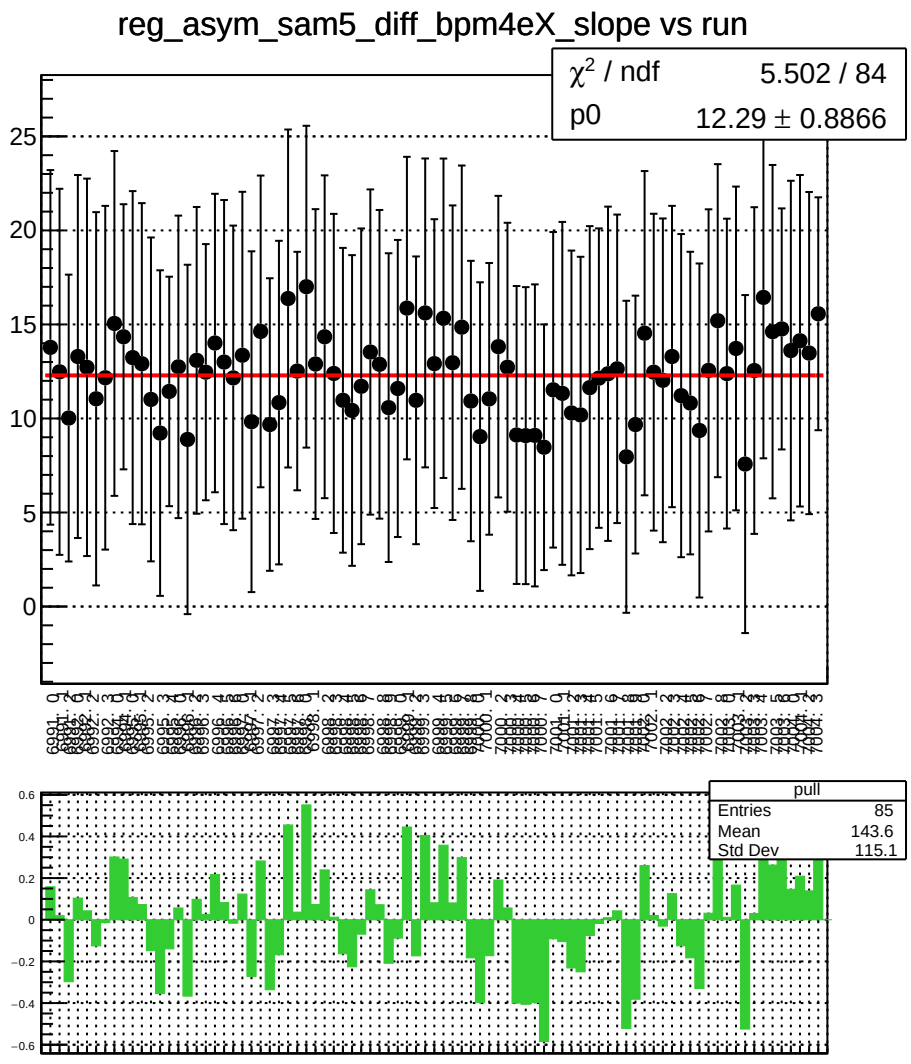

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 11.34 / 84
p0 −0.004988 ± 0.08604
pull
Entries 85
Mean 100.6
Std Dev 169.1

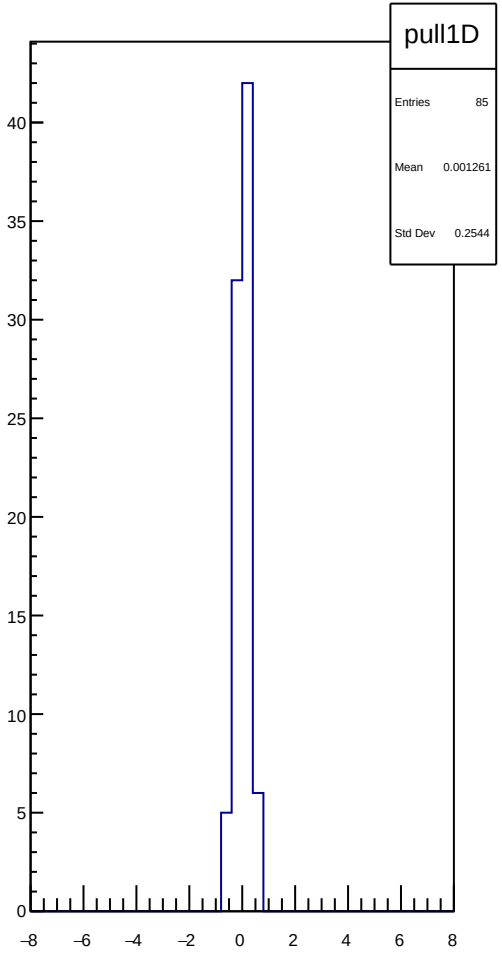

pull1D
Entries 85
Mean −0.005586
Std Dev 0.3652

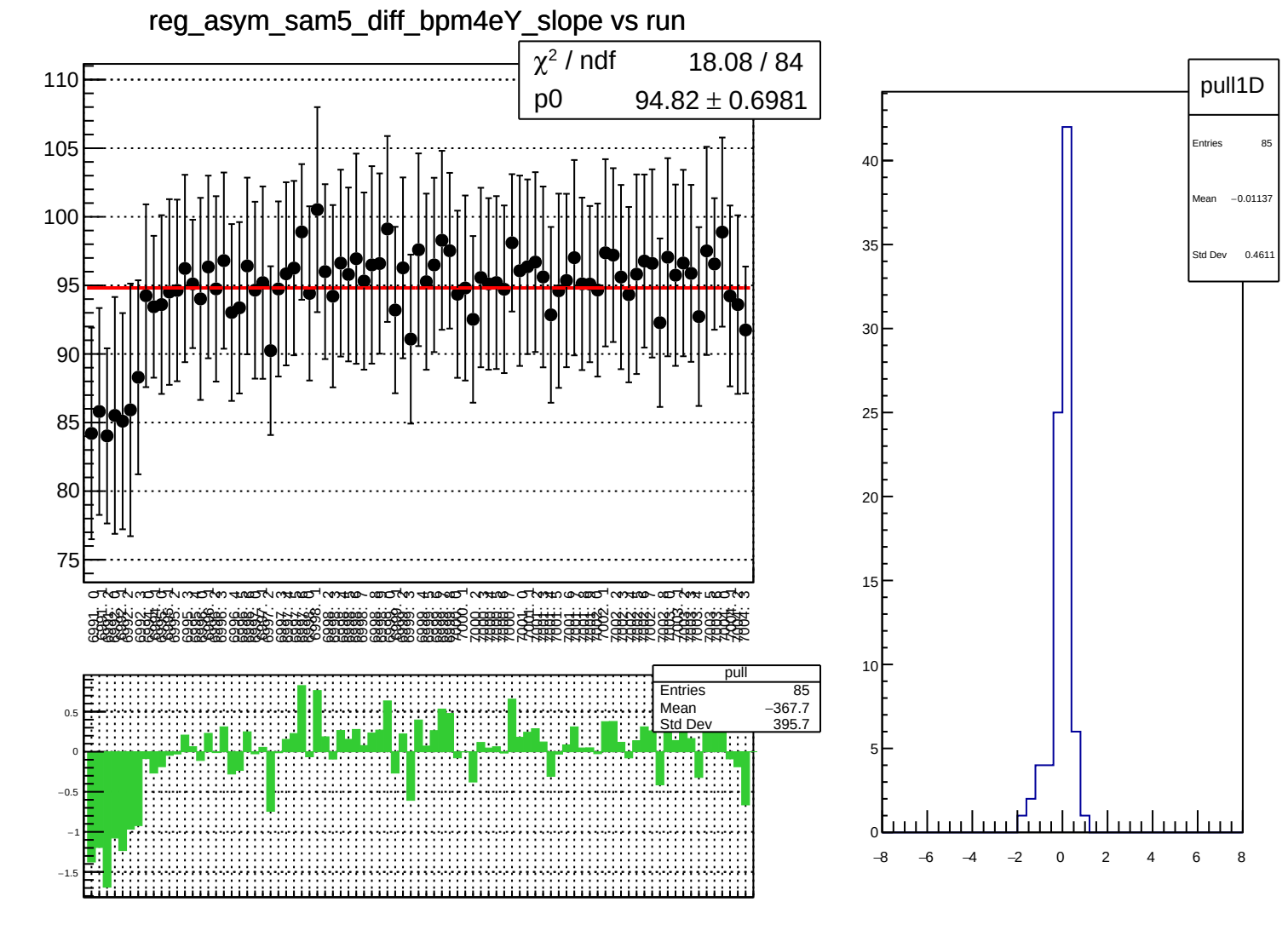

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 5.426 / 84
p0 −3.192 ± 0.9599
pull
Entries 85
Mean 45.43
Std Dev 152.8

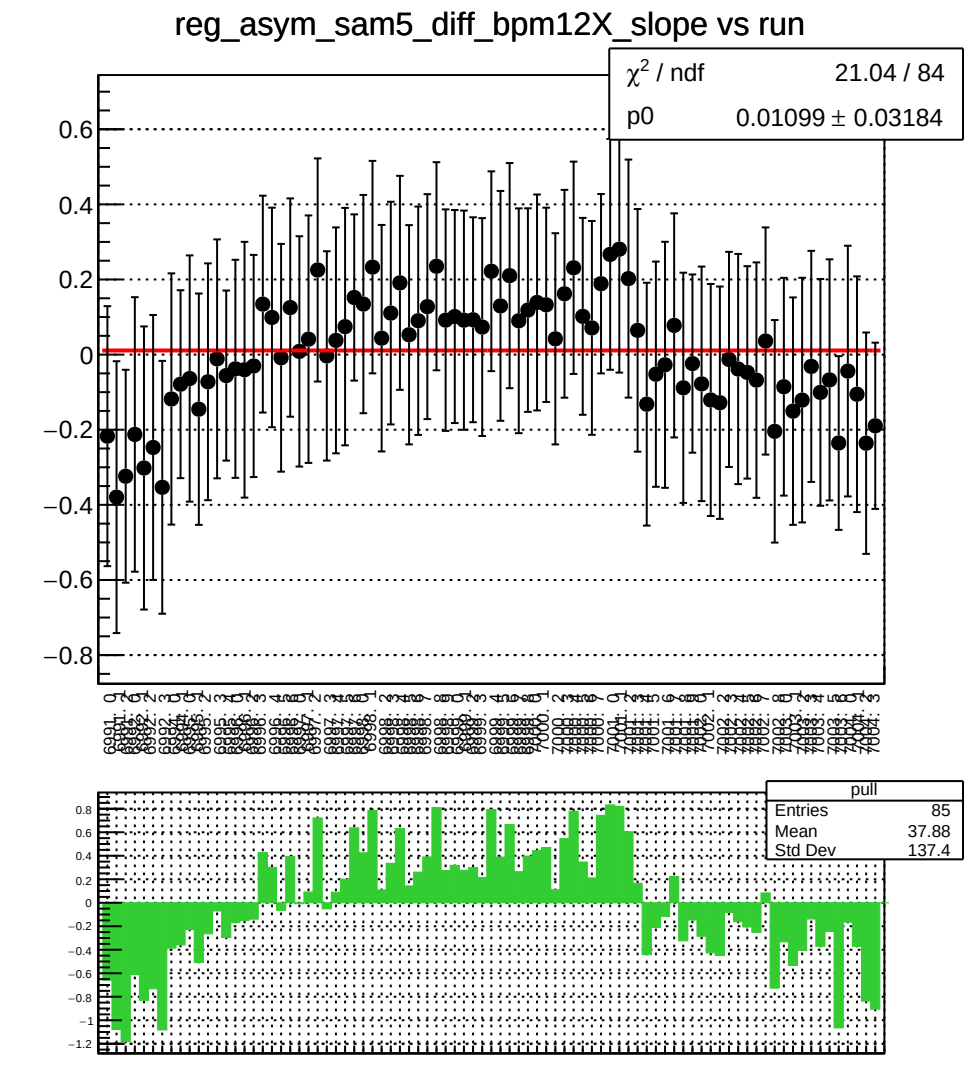

pull1D
Entries 85
Mean −0.001396
Std Dev 0.2526

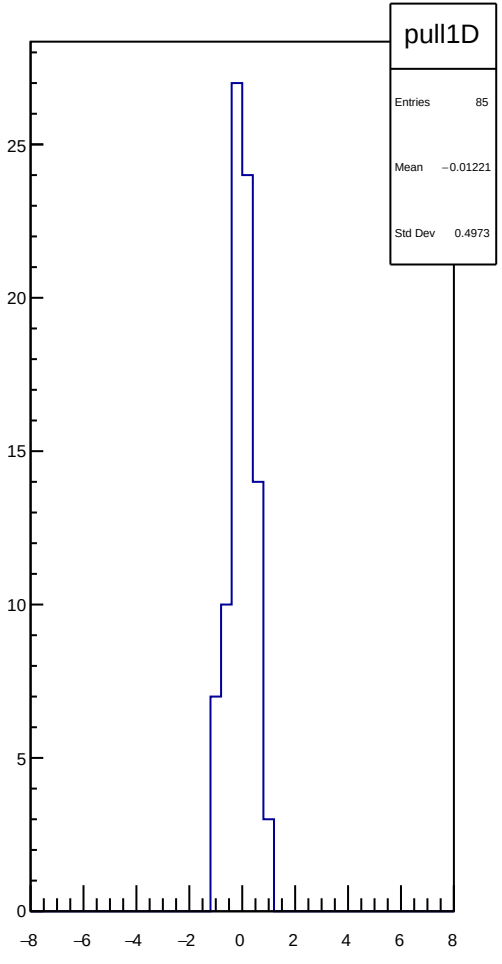

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 12.35 / 84
p0 46.94 ± 0.663
pull
Entries 85
Mean −453
Std Dev 478.7
pull1D
Entries 85
Mean 0.0066
Std Dev 0.3812

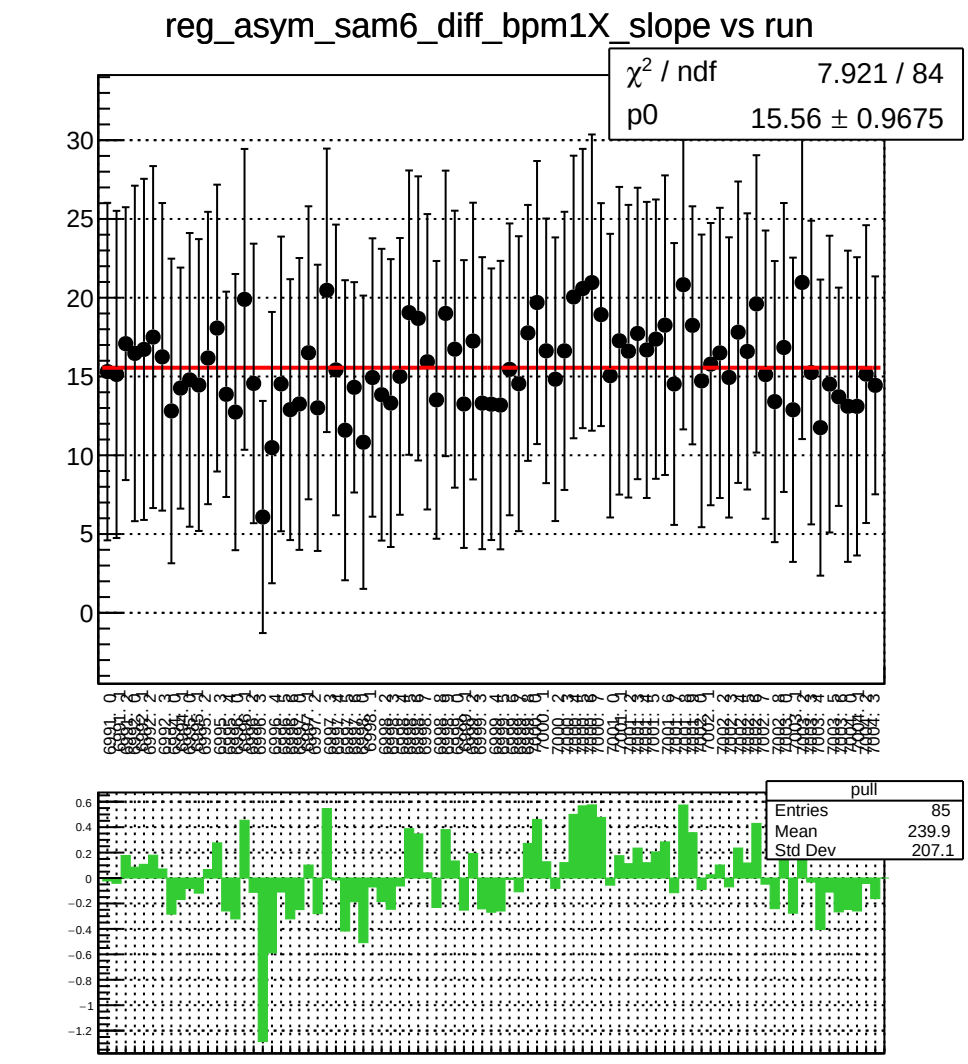

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 5.502 / 84
p0 12.29 ± 0.8866
pull
Entries 85
Mean 143.6
Std Dev 115.1

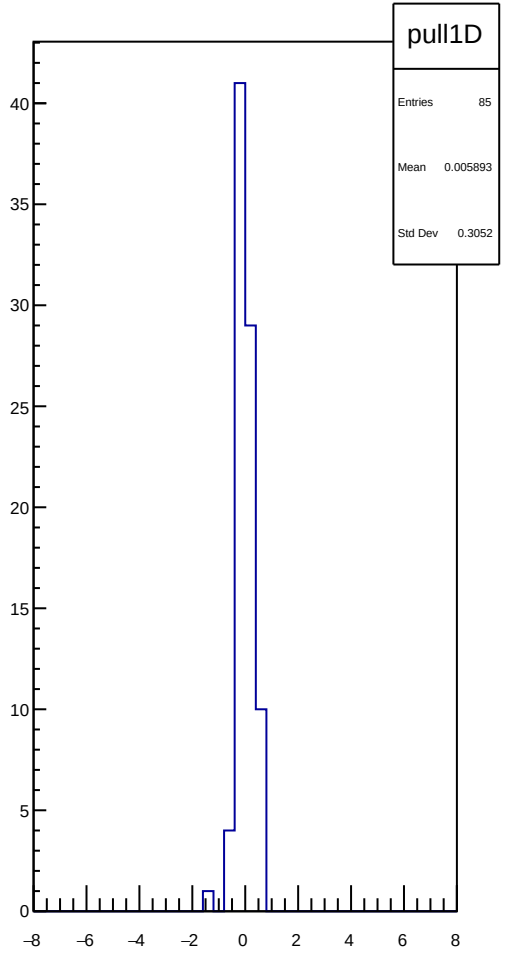

pull1D
Entries 85
Mean 0.001261
Std Dev 0.2544

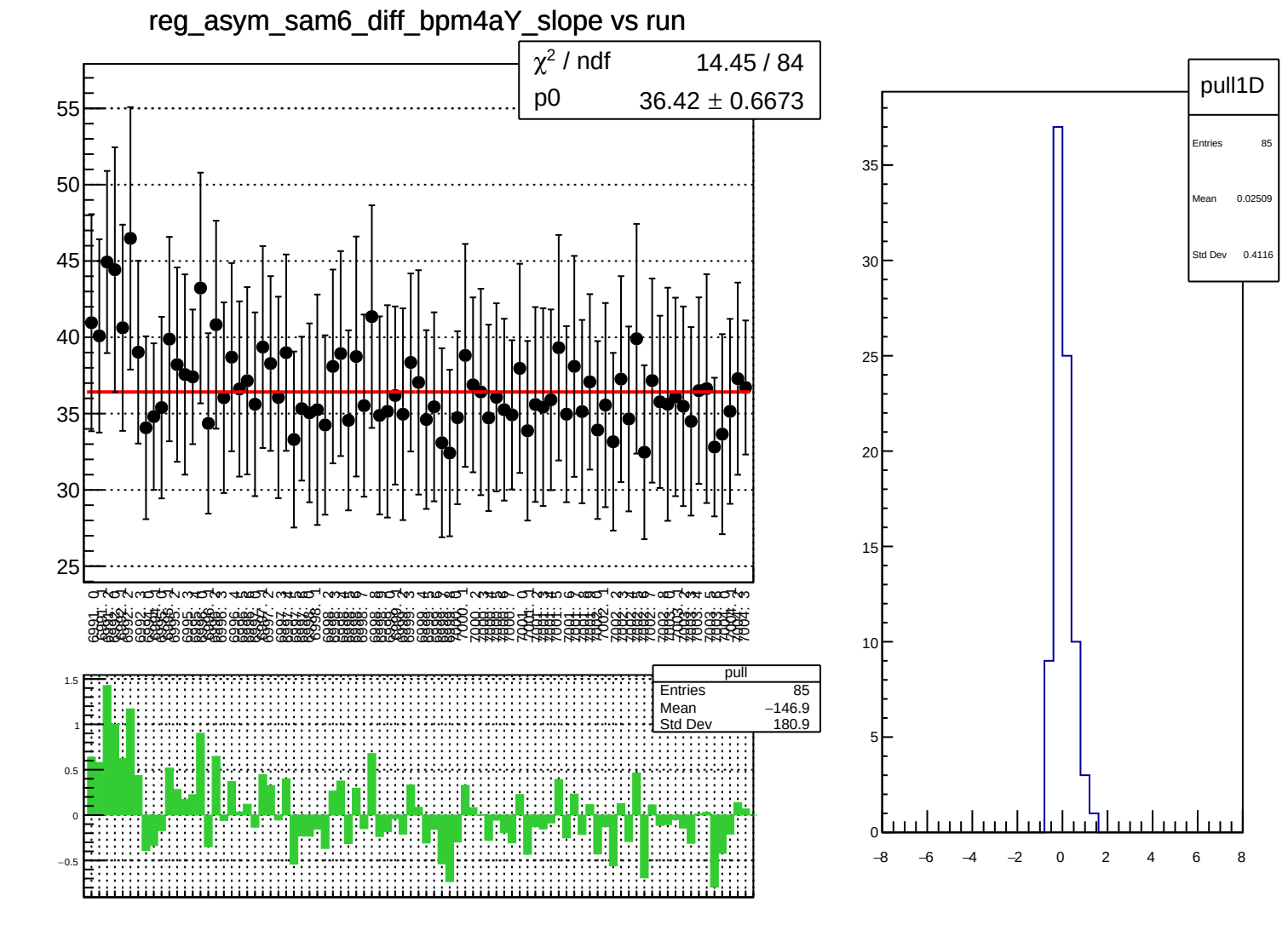

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 18.08 / 84
p0 94.82 ± 0.6981
pull
Entries 85
Mean −367.7
Std Dev 395.7
pull1D
Entries 85
Mean −0.01137
Std Dev 0.4611

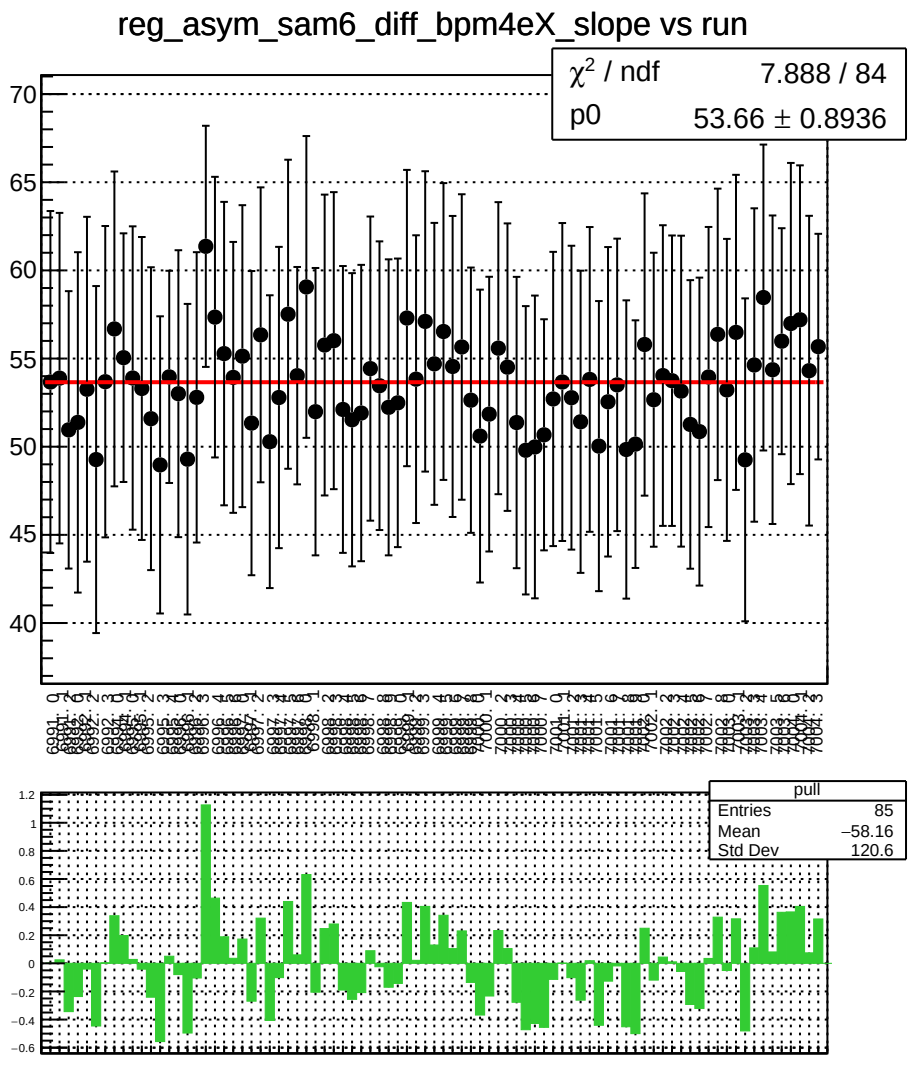

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 21.04 / 84
p0 0.01099 ± 0.03184
pull
Entries 85
Mean 37.88
Std Dev 137.4

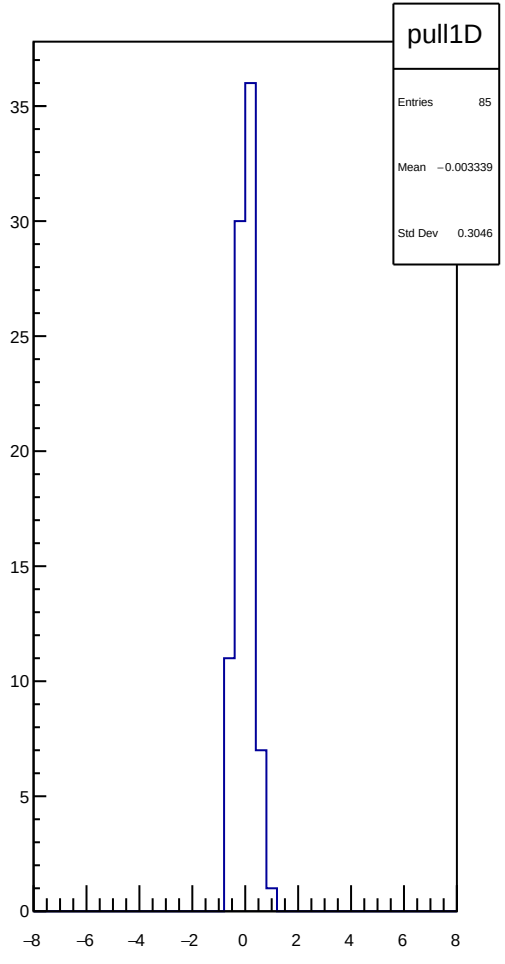

pull1D
Entries 85
Mean −0.01221
Std Dev 0.4973

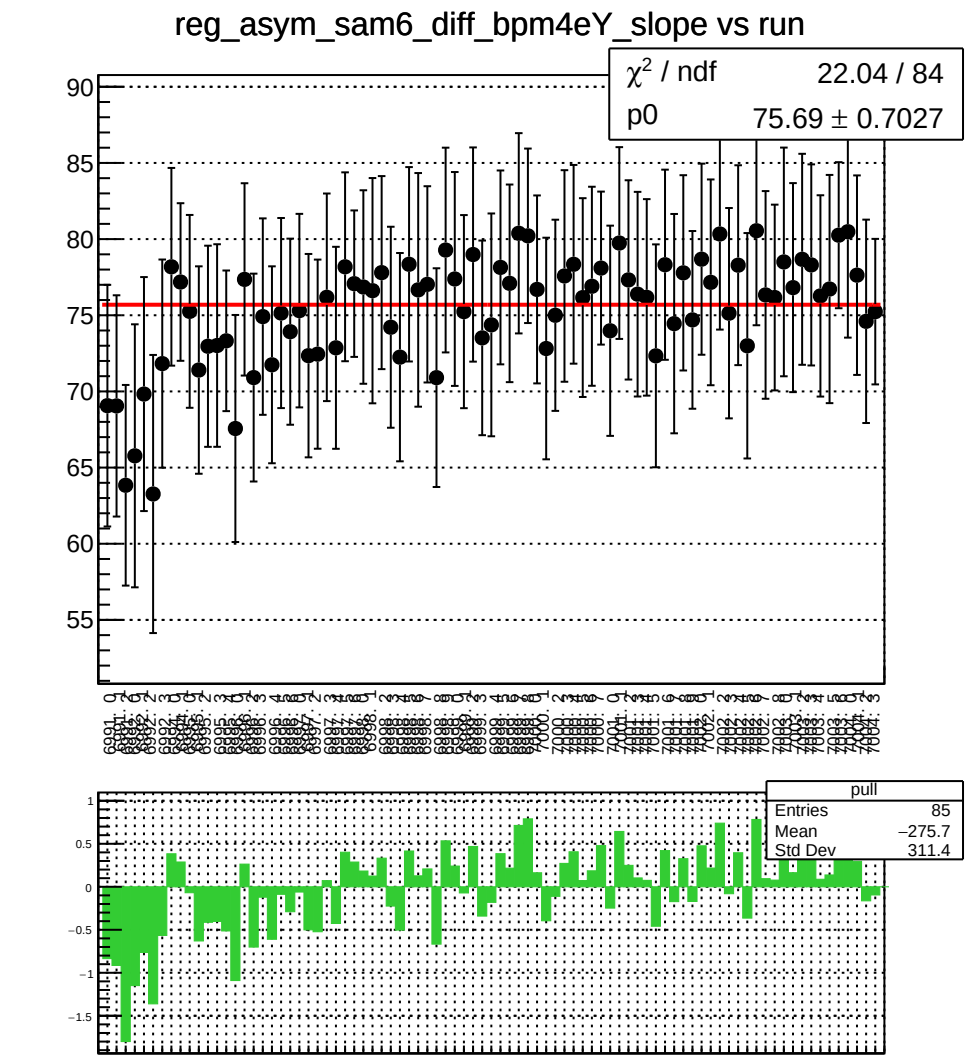

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 7.921 / 84
p0 15.56 ± 0.9675
pull
Entries 85
Mean 239.9
Std Dev 207.1

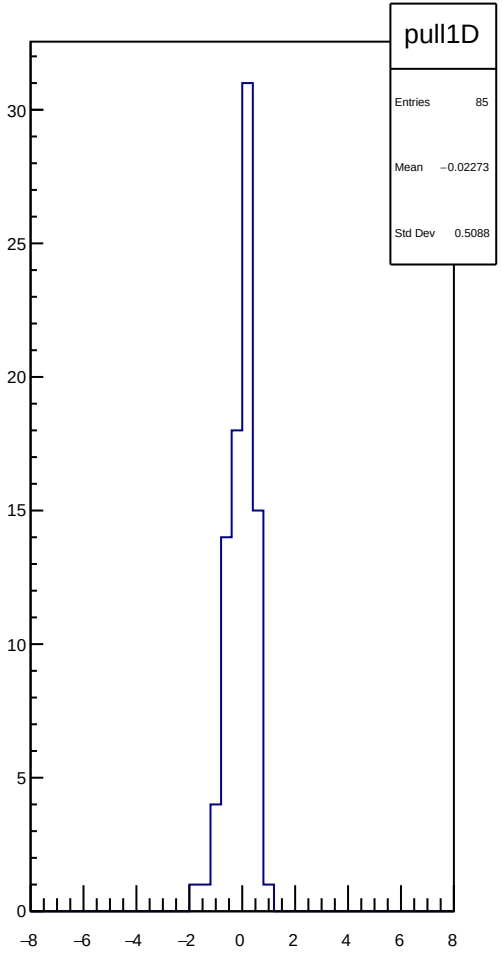

pull1D
Entries 85
Mean 0.005893
Std Dev 0.3052

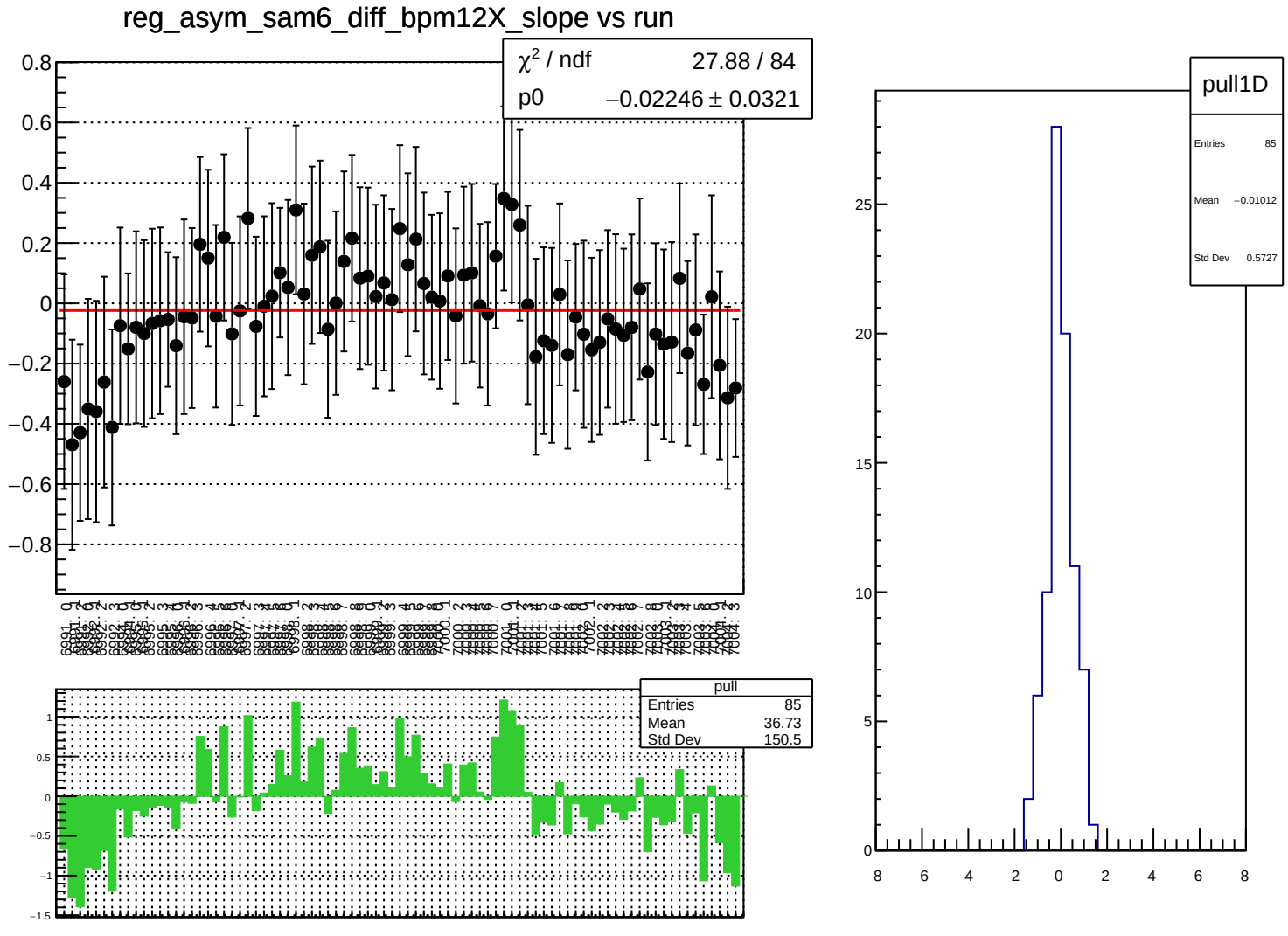

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 14.45 / 84
p0 36.42 ± 0.6673
pull
Entries 85
Mean −146.9
Std Dev 180.9
pull1D
Entries 85
Mean 0.02509
Std Dev 0.4116

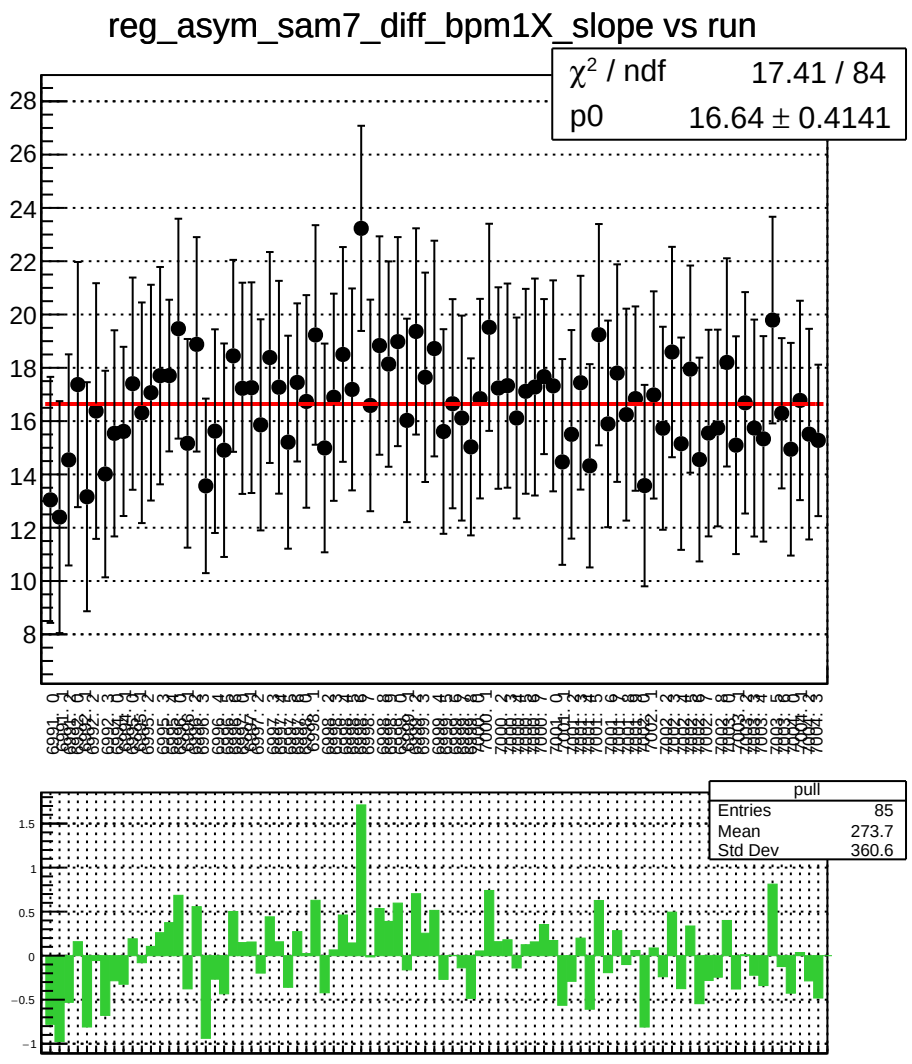

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 7.888 / 84
p0 53.66 ± 0.8936
pull
Entries 85
Mean −58.16
Std Dev 120.6

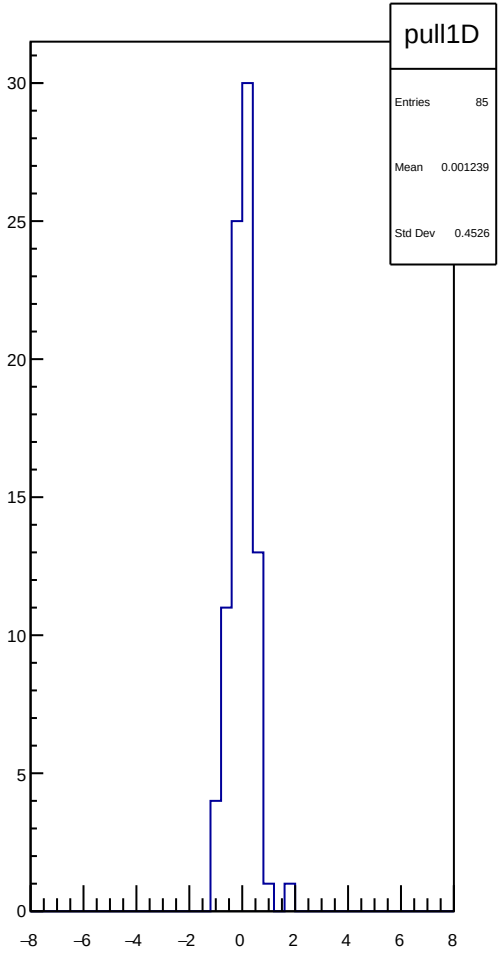

pull1D
Entries 85
Mean −0.003339
Std Dev 0.3046

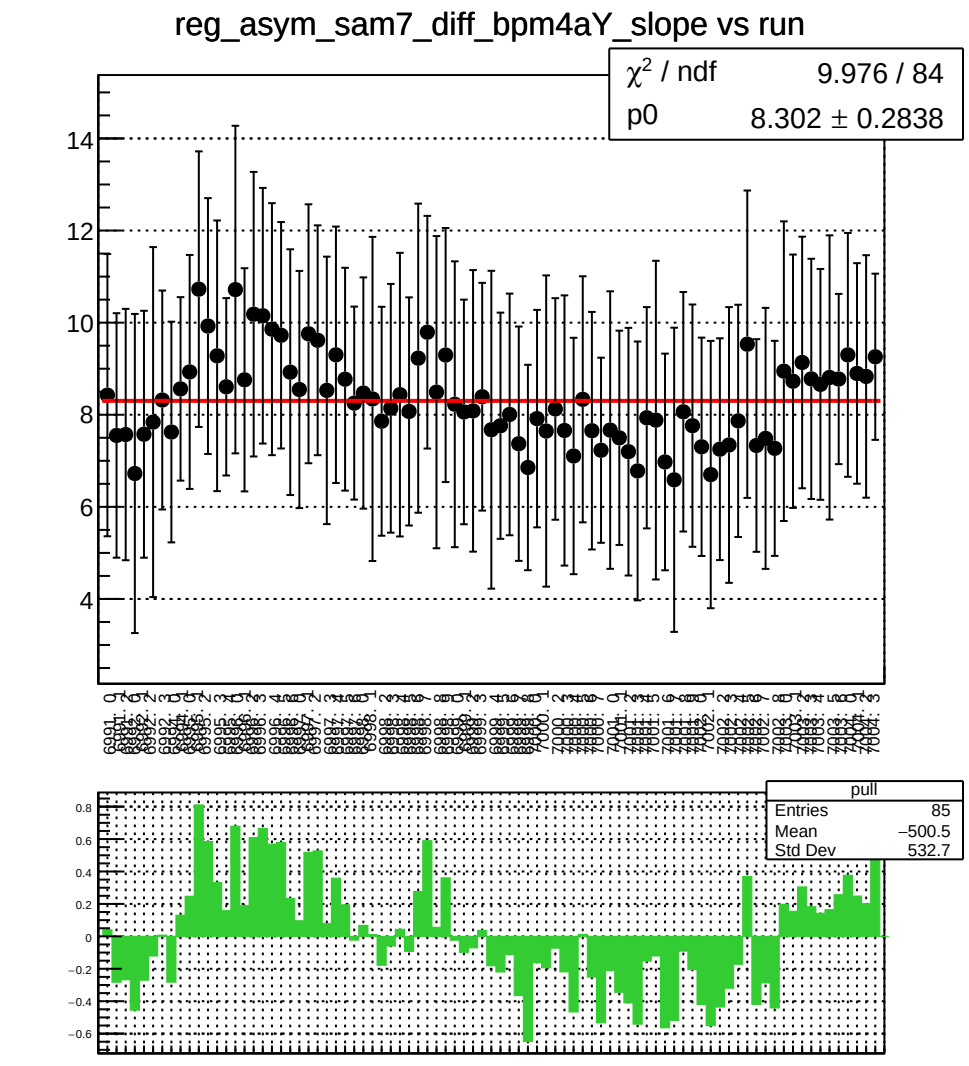

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 22.04 / 84
p0 75.69 ± 0.7027
pull
Entries 85
Mean −275.7
Std Dev 311.4

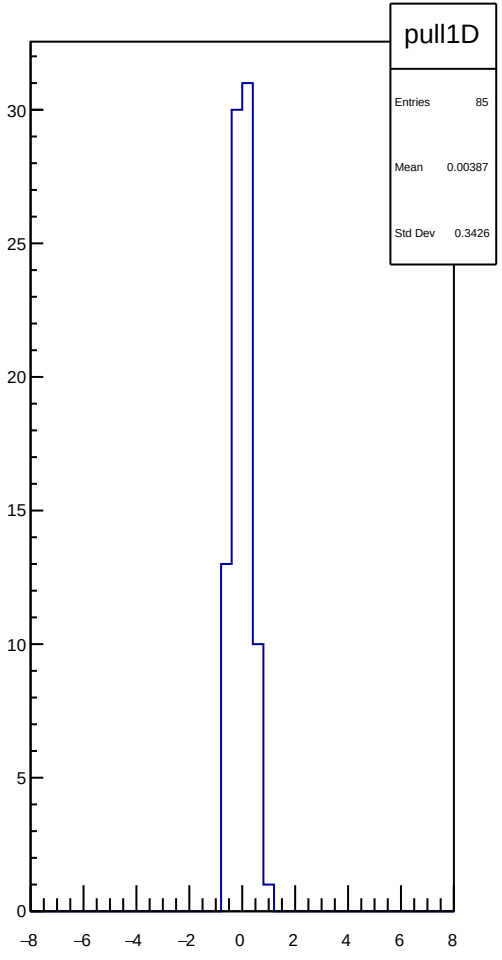

pull1D
Entries 85
Mean −0.02273
Std Dev 0.5088

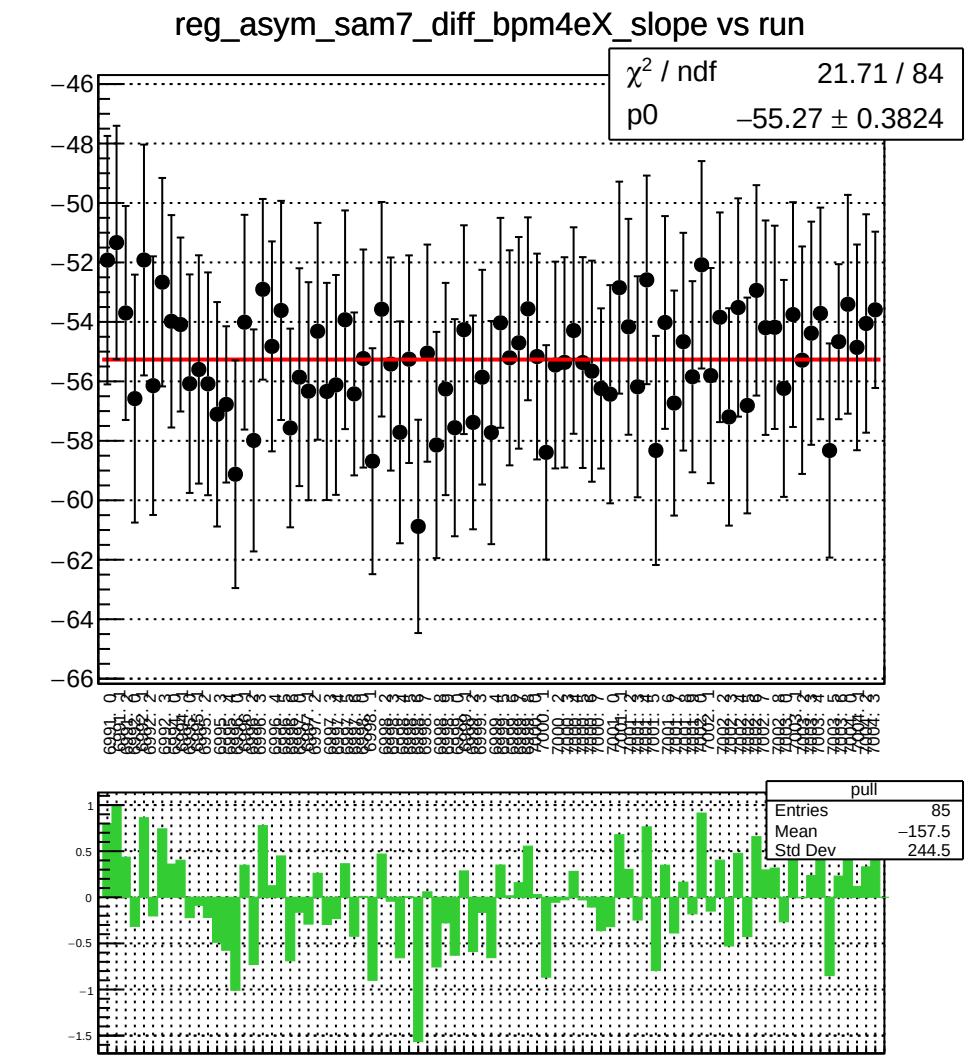

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 27.88 / 84
p0 −0.02246 ± 0.0321
pull
Entries 85
Mean 36.73
Std Dev 150.5
pull1D
Entries 85
Mean −0.01012
Std Dev 0.5727

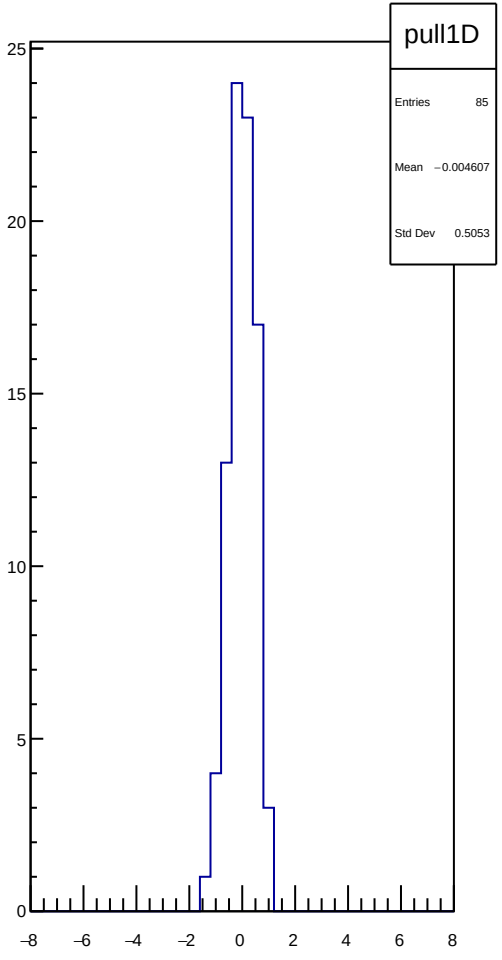

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 17.41 / 84
p0 16.64 ± 0.4141
pull
Entries 85
Mean 273.7
Std Dev 360.6

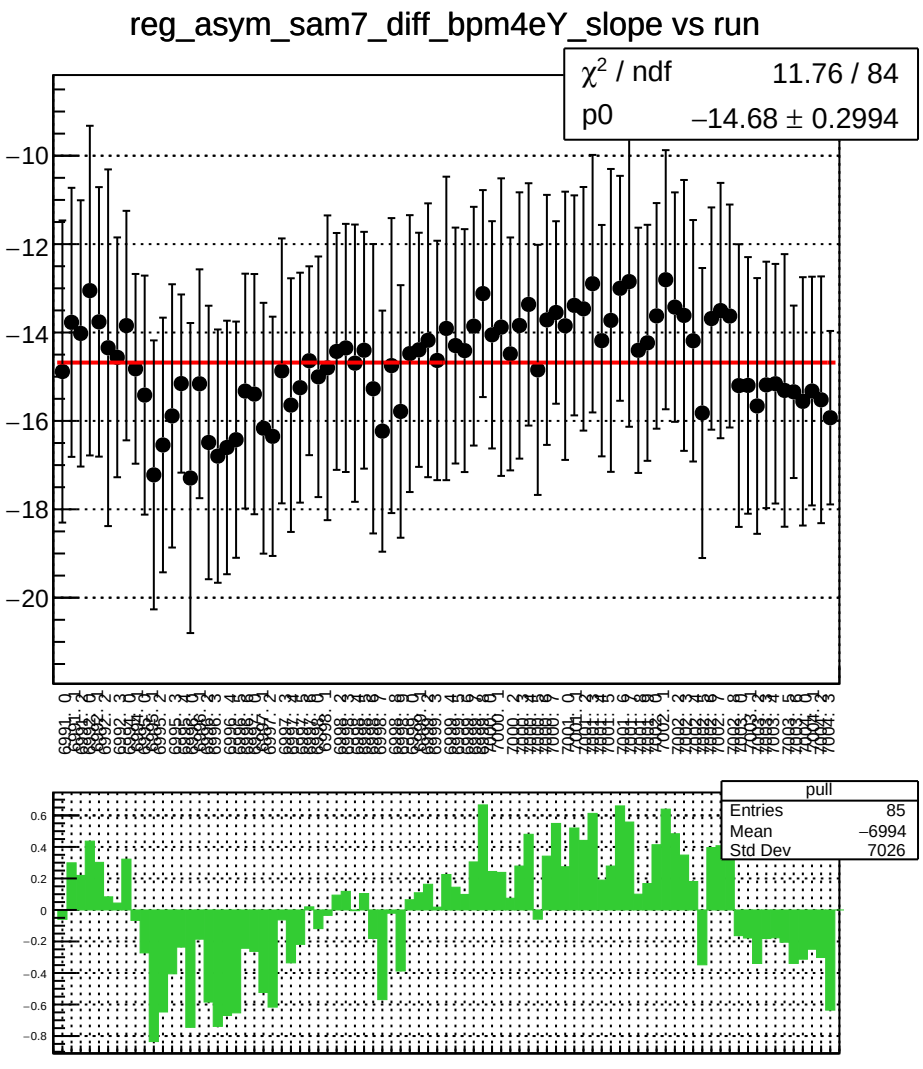

pull1D
Entries 85
Mean 0.001239
Std Dev 0.4526

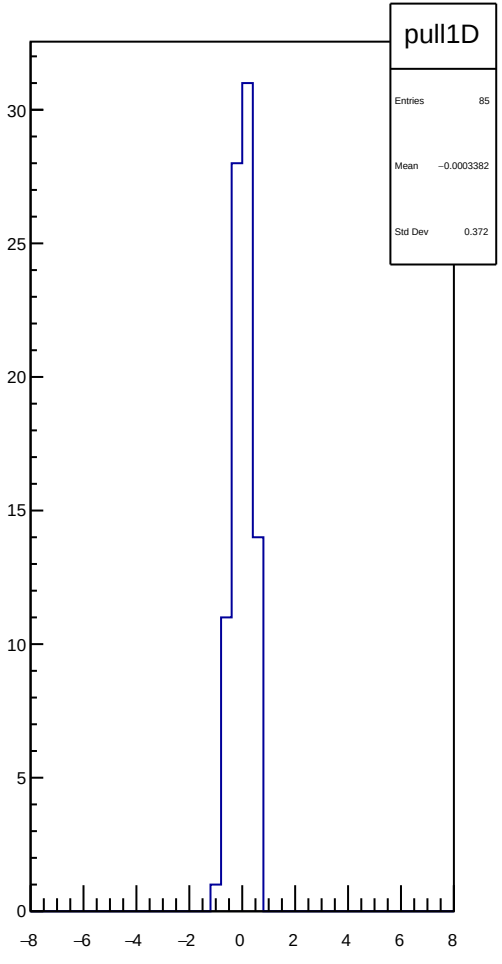

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 9.976 / 84
p0 8.302 ± 0.2838
pull
Entries 85
Mean −500.5
Std Dev 532.7

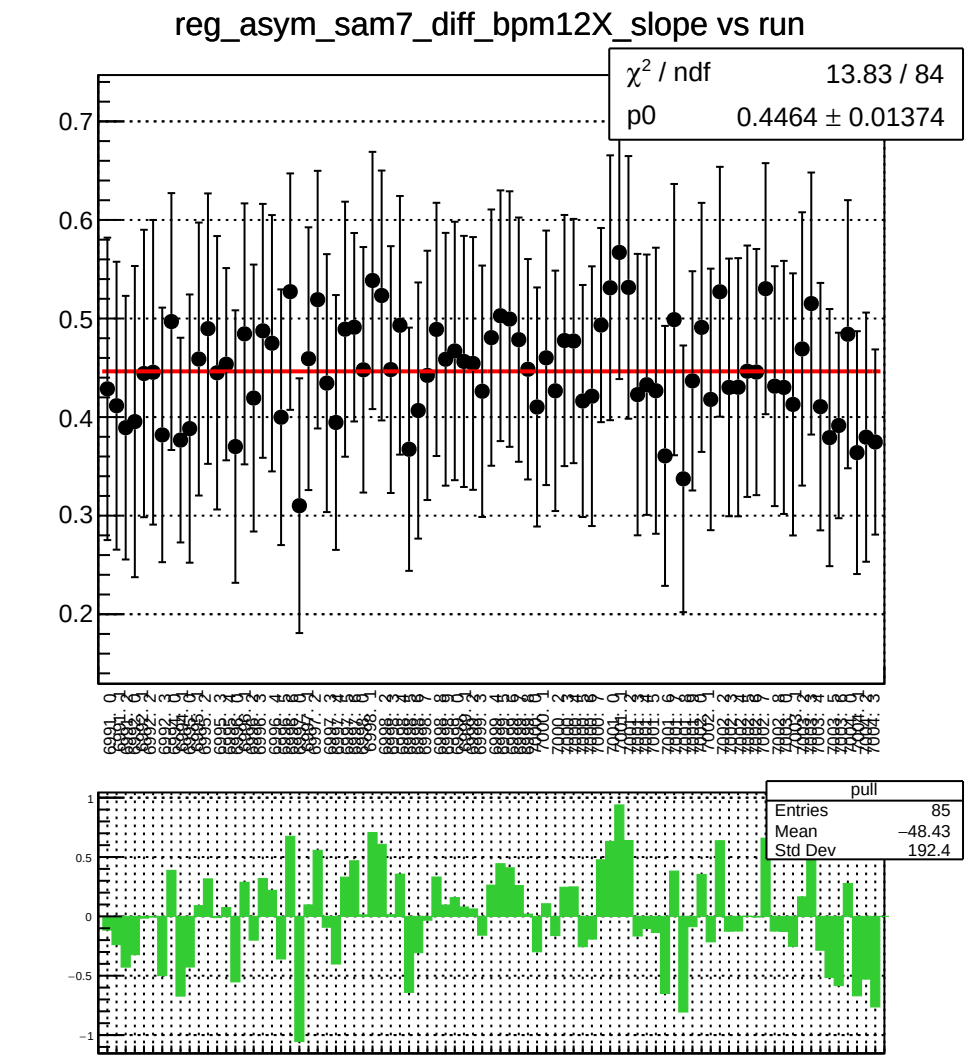

pull1D
Entries 85
Mean 0.00387
Std Dev 0.3426

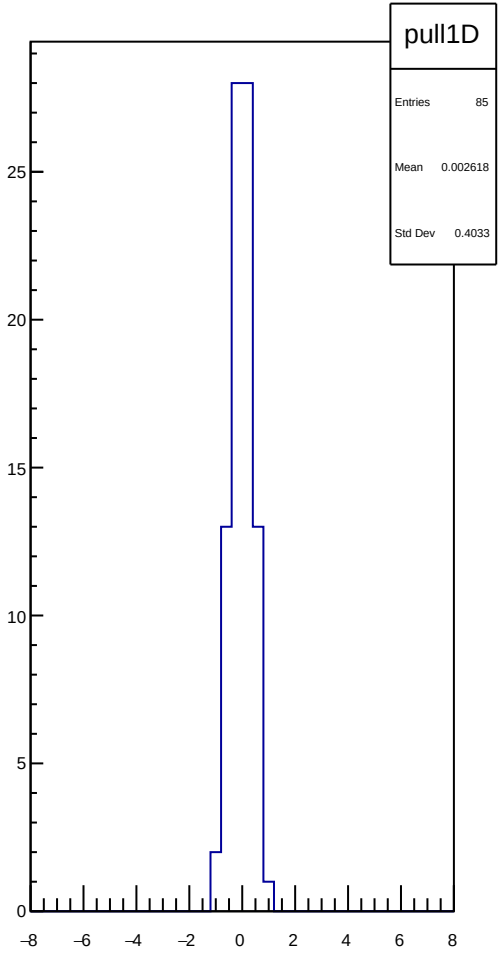

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 21.71 / 84
p0 −55.27 ± 0.3824
pull
Entries 85
Mean −157.5
Std Dev 244.5

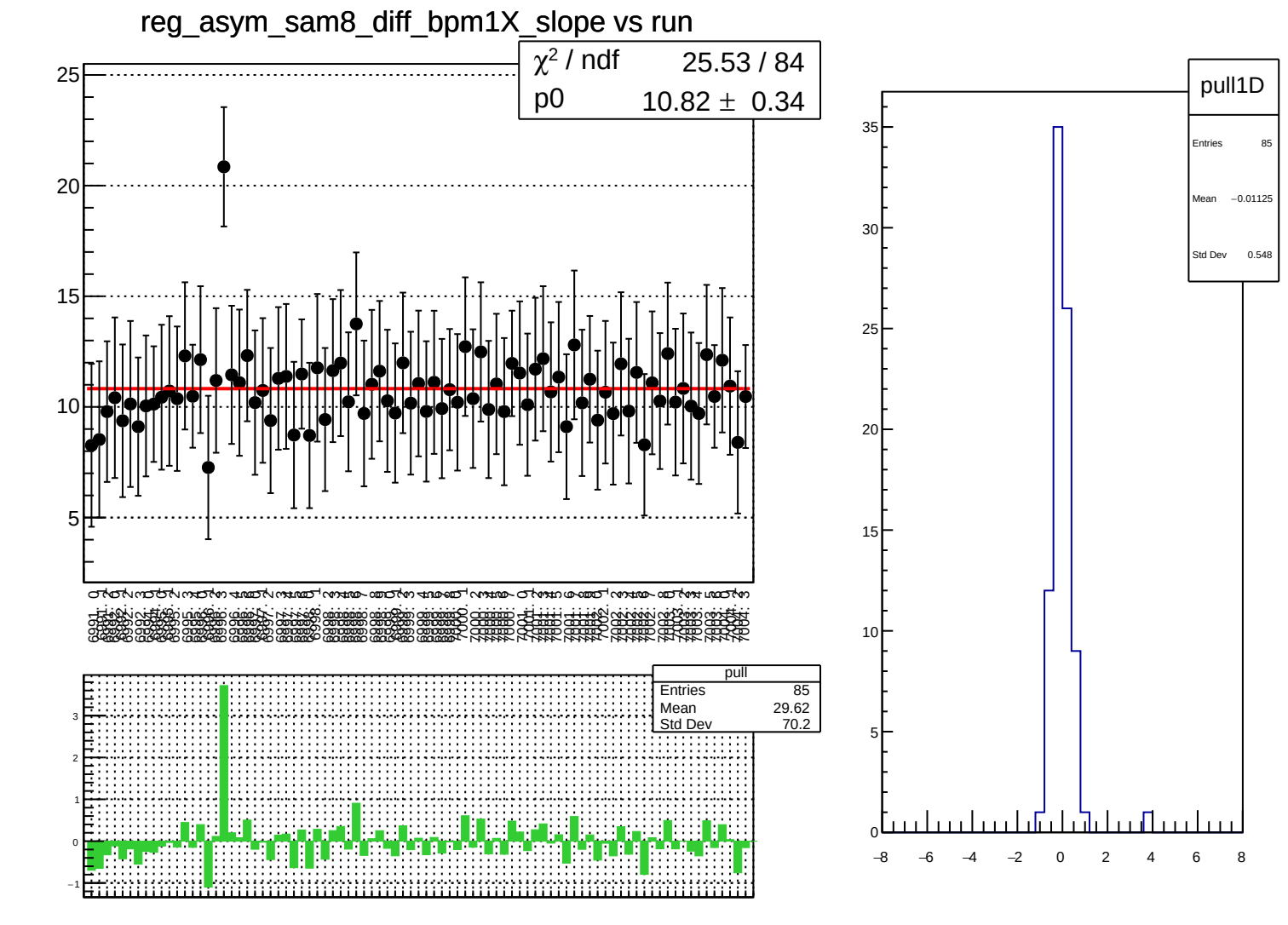

pull1D
Entries 85
Mean −0.004607
Std Dev 0.5053

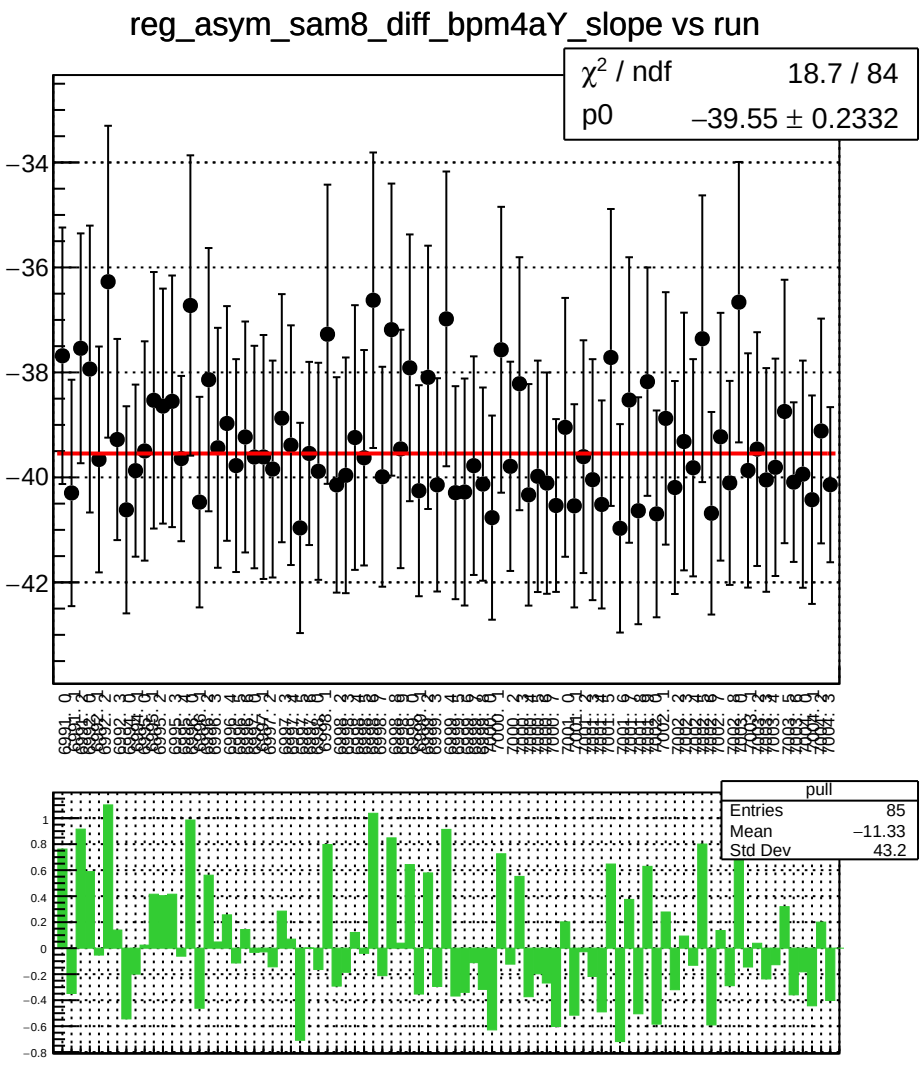

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 11.76 / 84
p0 −14.68 ± 0.2994
pull
Entries 85
Mean −6994
Std Dev 7026

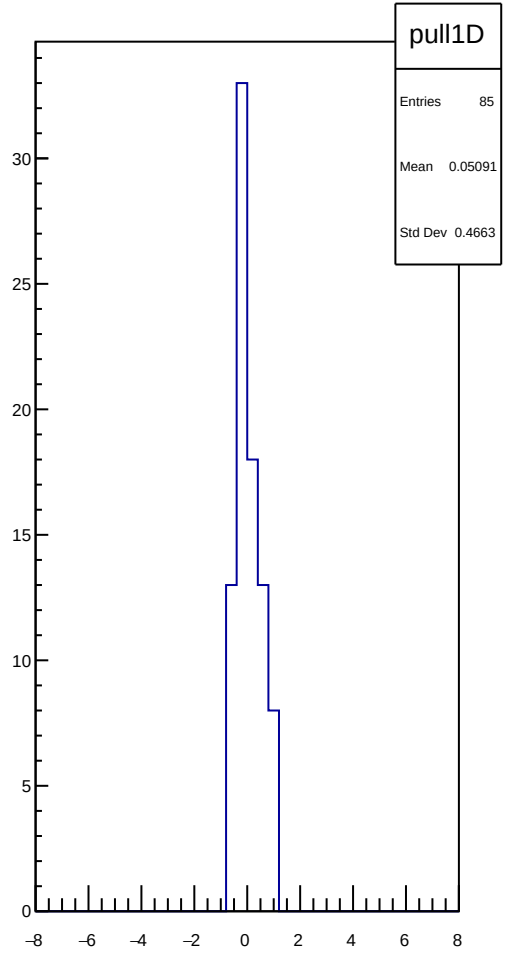

pull1D
Entries 85
Mean −0.0003382
Std Dev 0.372

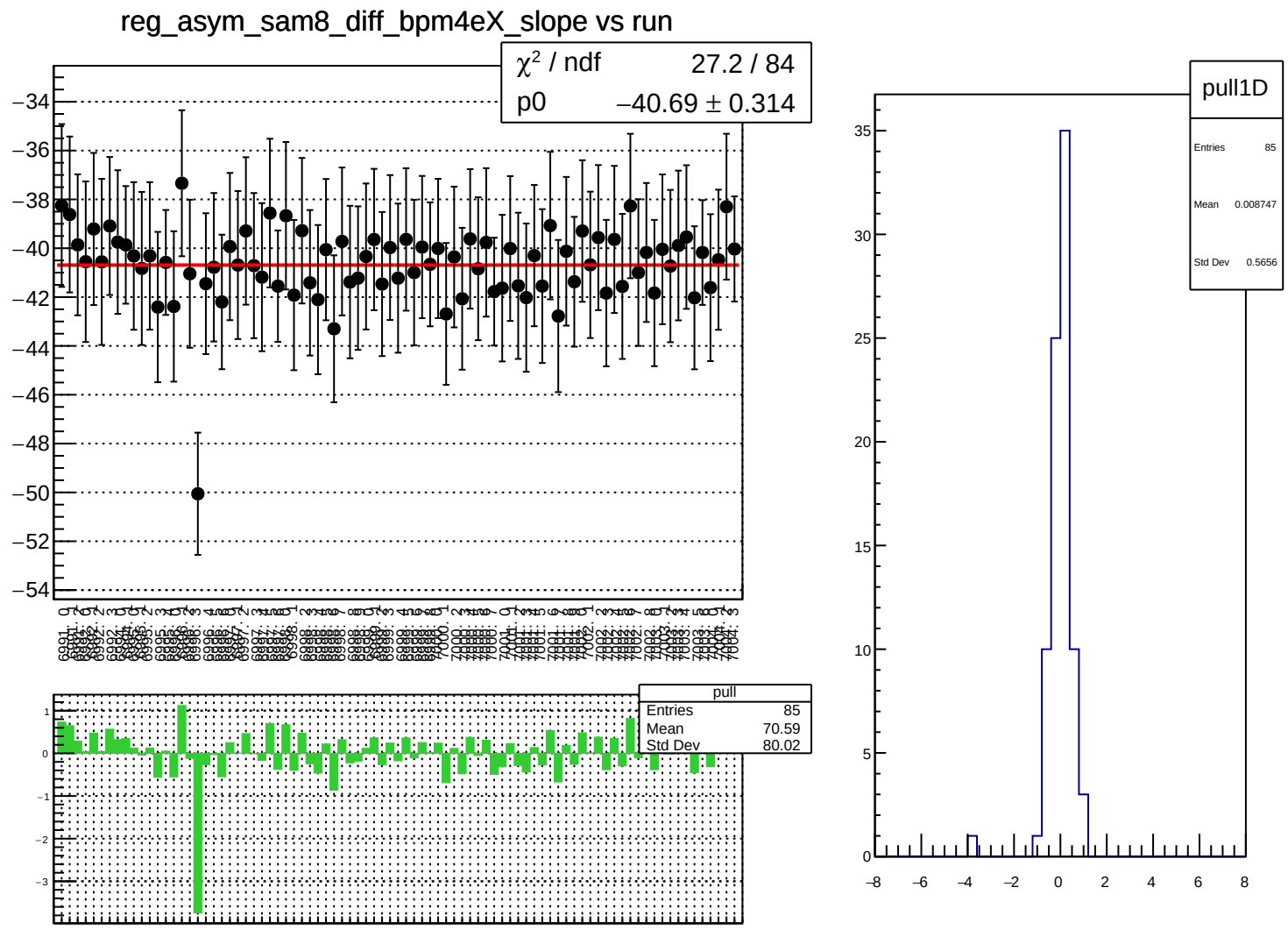

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 13.83 / 84
p0 0.4464 ± 0.01374
0.7
0.6
0.5
0.4
0.3
0.2
pull
Entries 85
Mean −48.43
Std Dev 192.4
1
0.5
0
−0.5
−1

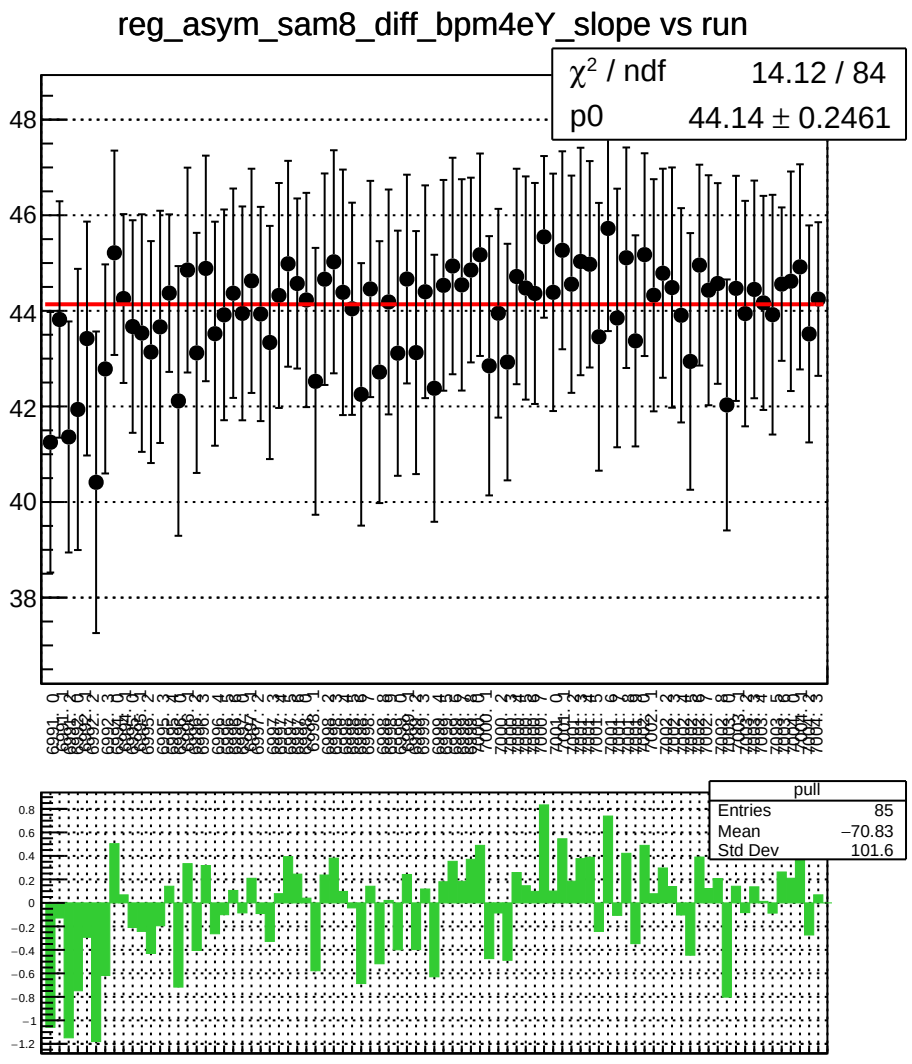

pull1D
Entries 85
Mean 0.002618
Std Dev 0.4033
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

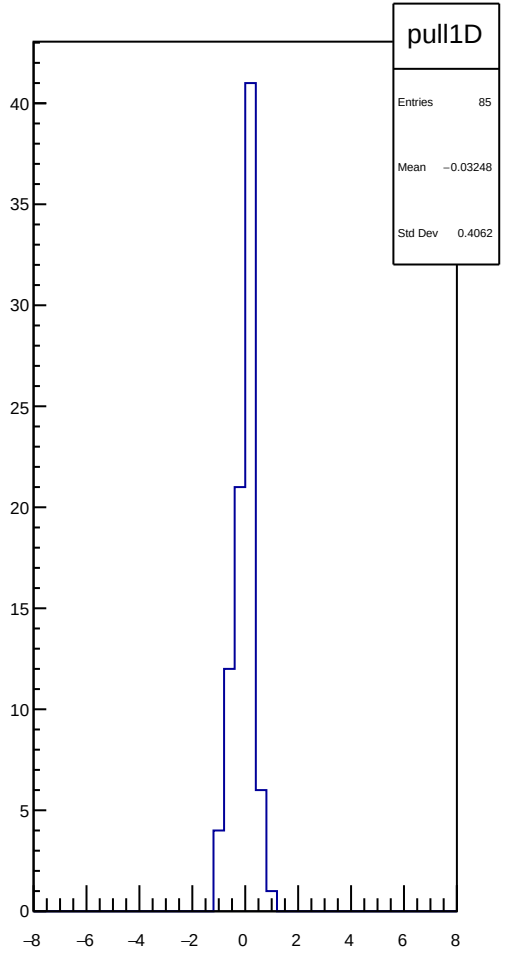

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 25.53 / 84
p0 10.82 ± 0.34
pull
Entries 85
Mean 29.62
Std Dev 70.2
pull1D
Entries 85
Mean −0.01125
Std Dev 0.548

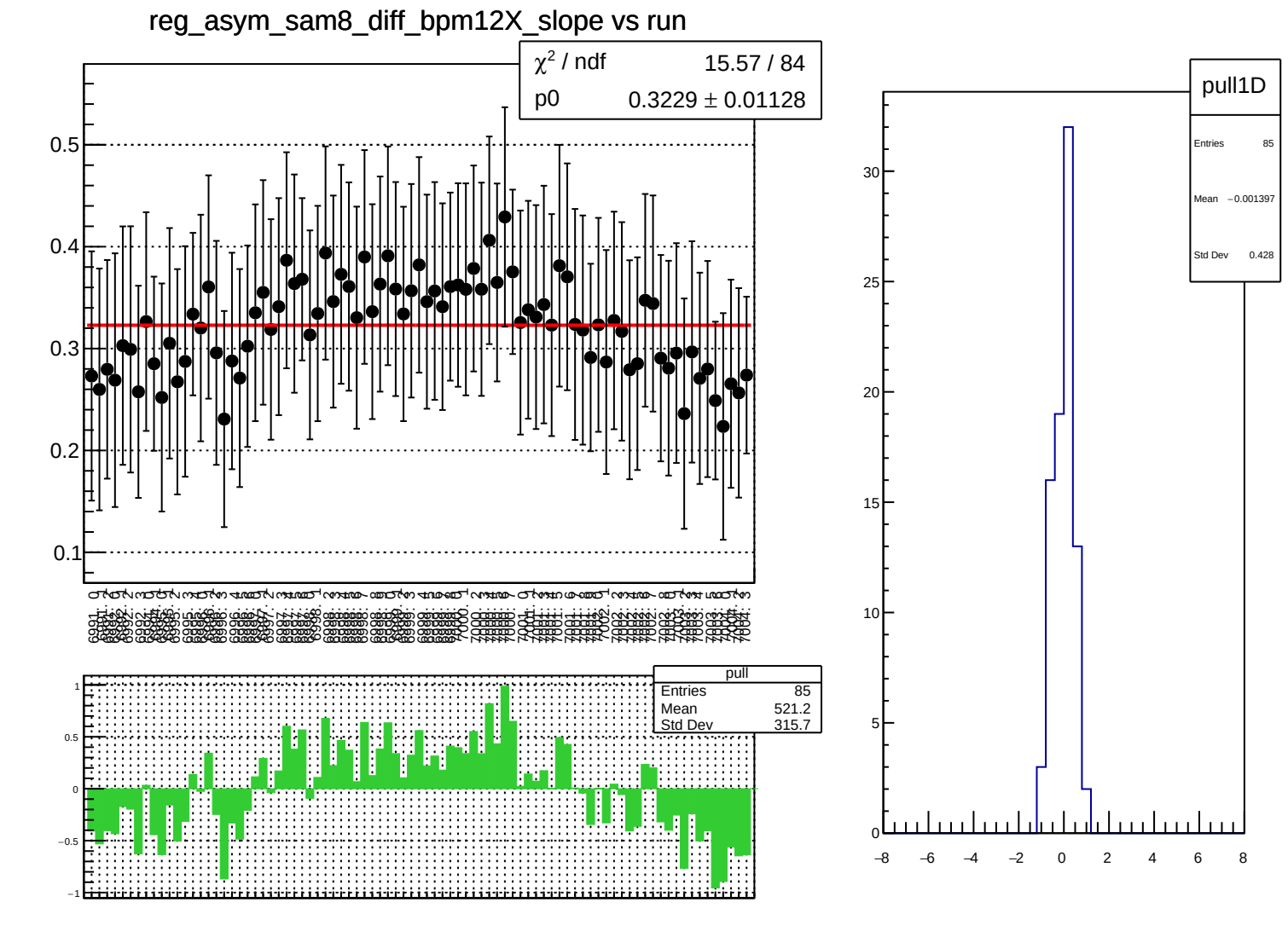

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 18.7 / 84
p0 −39.55 ± 0.2332
−34
−36
−38
−40
−42
pull
Entries 85
Mean −11.33
Std Dev 43.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

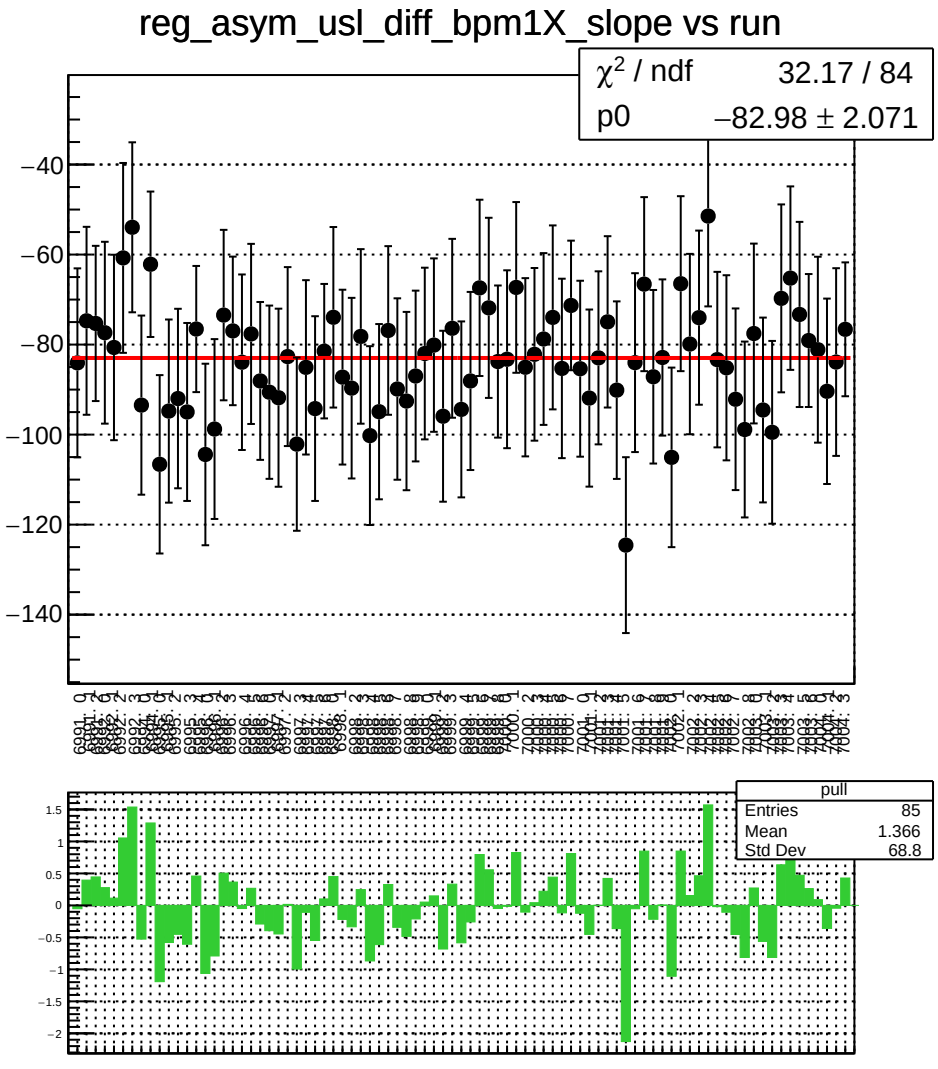

pull1D
Entries 85
Mean 0.05091
Std Dev 0.4663
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

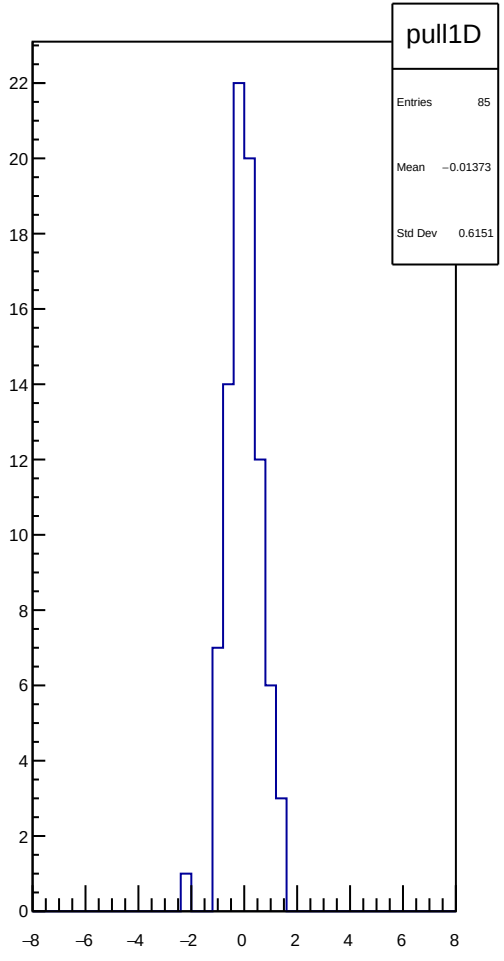

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 27.2 / 84
p0 −40.69 ± 0.314
pull
Entries 85
Mean 70.59
Std Dev 80.02
pull1D
Entries 85
Mean 0.008747
Std Dev 0.5656

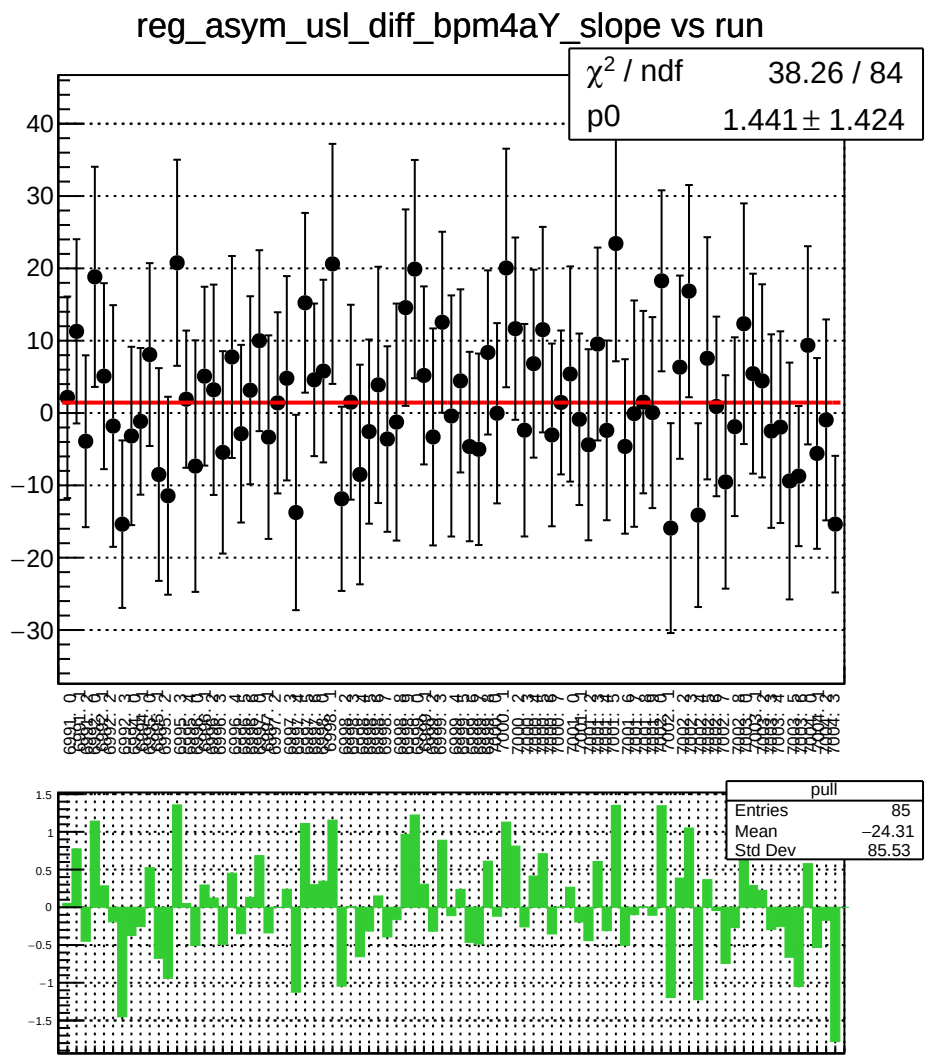

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 14.12 / 84
p0 44.14 ± 0.2461
pull
Entries 85
Mean −70.83
Std Dev 101.6

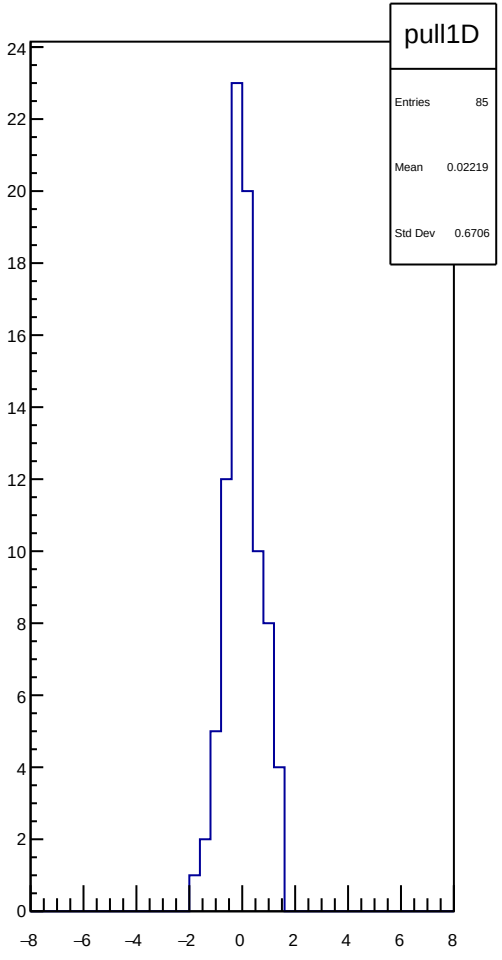

pull1D
Entries 85
Mean −0.03248
Std Dev 0.4062

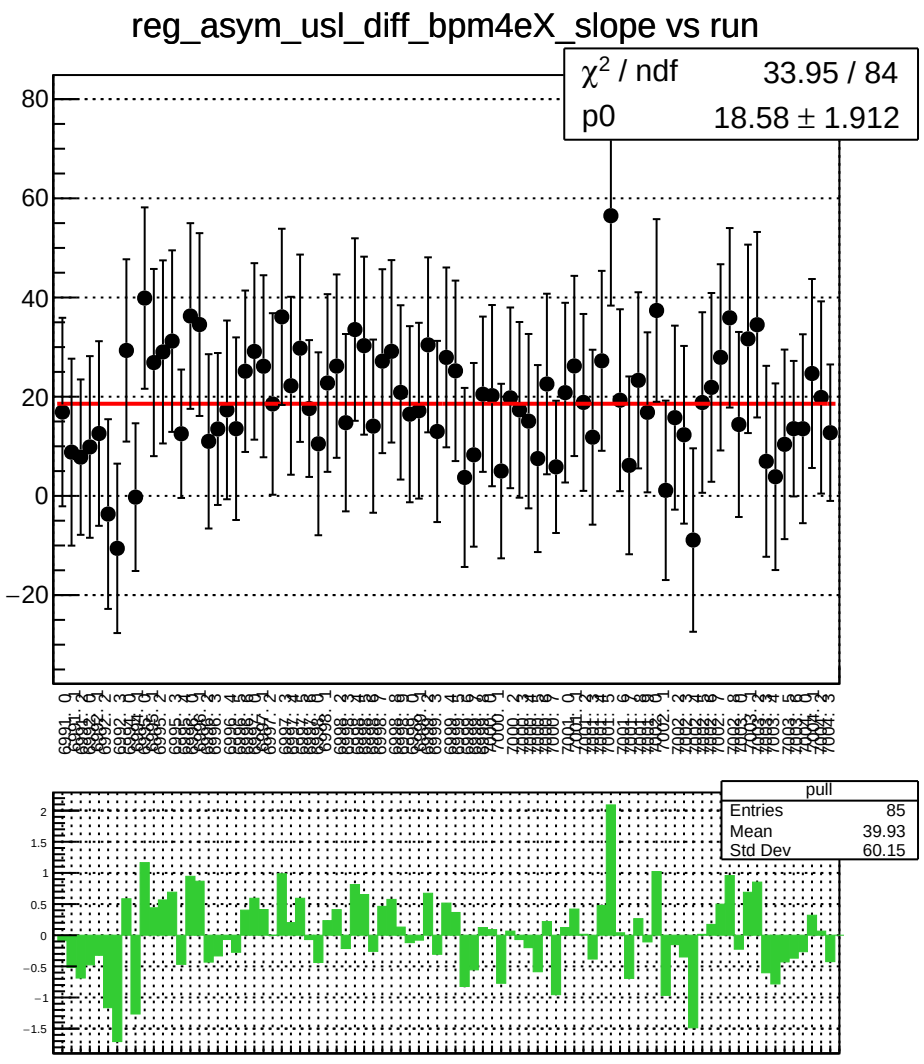

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 15.57 / 84
p0 0.3229 ± 0.01128
0.5
0.4
0.3
0.2
0.1
pull
Entries 85
Mean 521.2
Std Dev 315.7
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean −0.001397
Std Dev 0.428
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

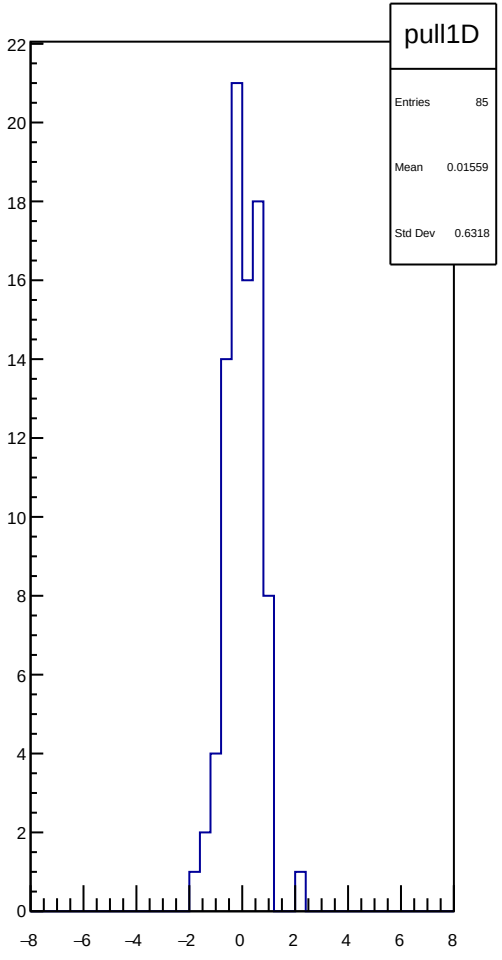

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 32.17 / 84
p0 −82.98 ± 2.071
−40
−60
−80
−100
−120
−140
pull
Entries 85
Mean 1.366
Std Dev 68.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2

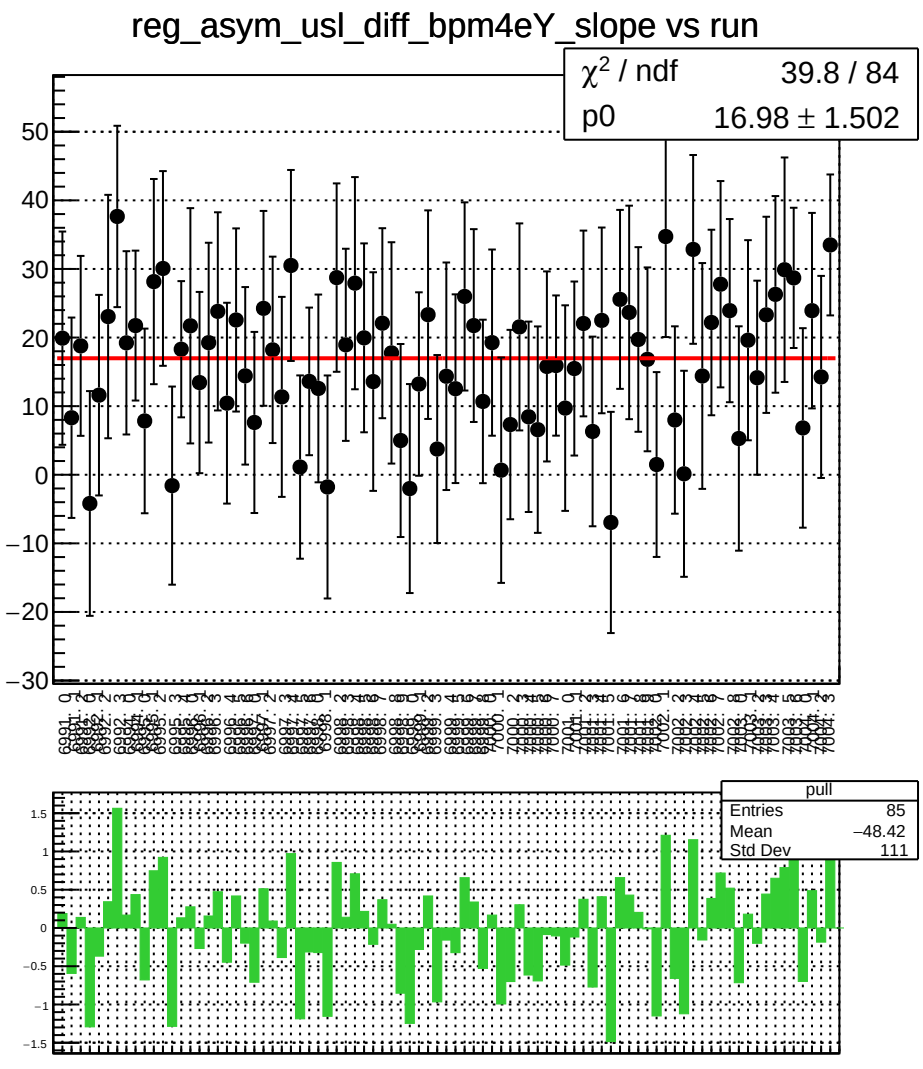

pull1D
Entries 85
Mean −0.01373
Std Dev 0.6151
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

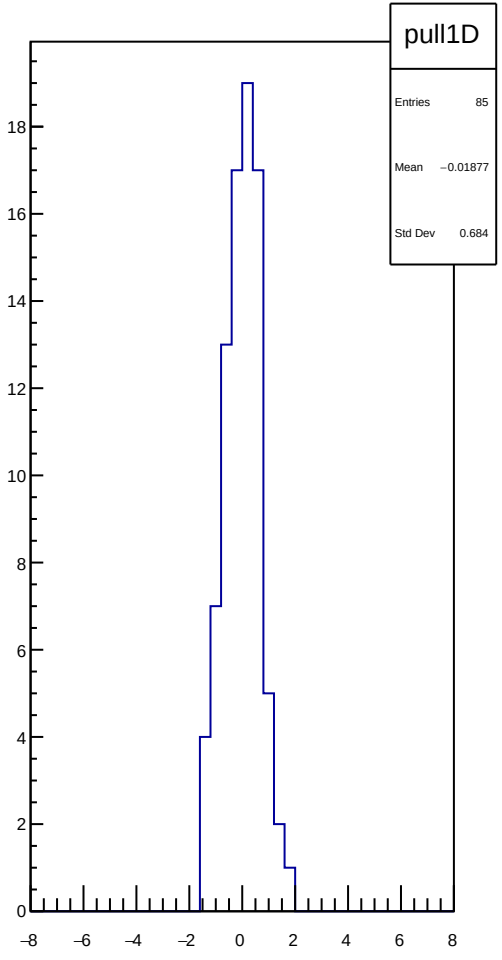

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 38.26 / 84
p0 1.441 ± 1.424
pull
Entries 85
Mean −24.31
Std Dev 85.53

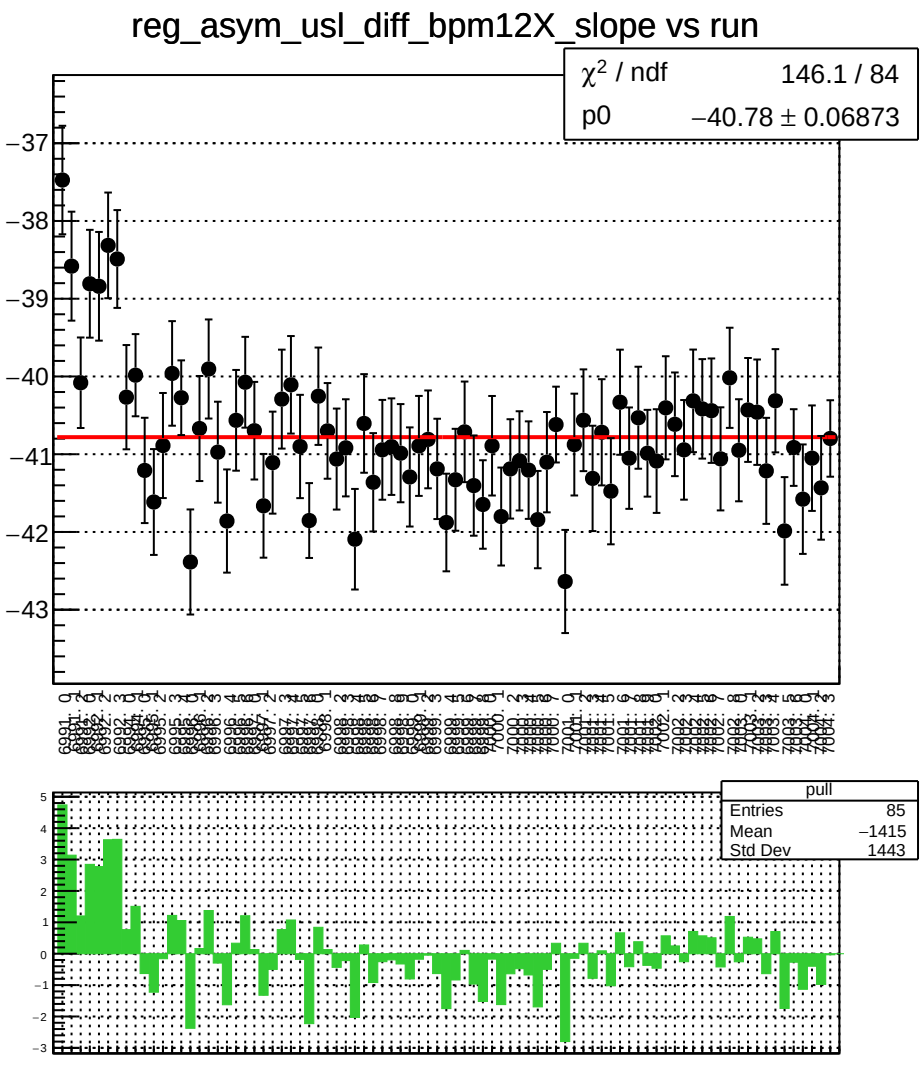

pull1D
Entries 85
Mean 0.02219
Std Dev 0.6706

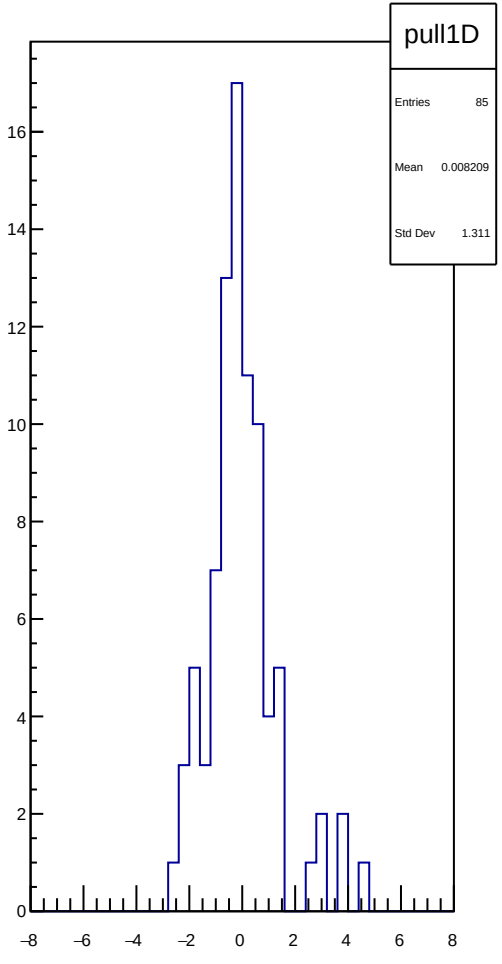

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 33.95 / 84
p0 18.58 ± 1.912
pull
Entries 85
Mean 39.93
Std Dev 60.15

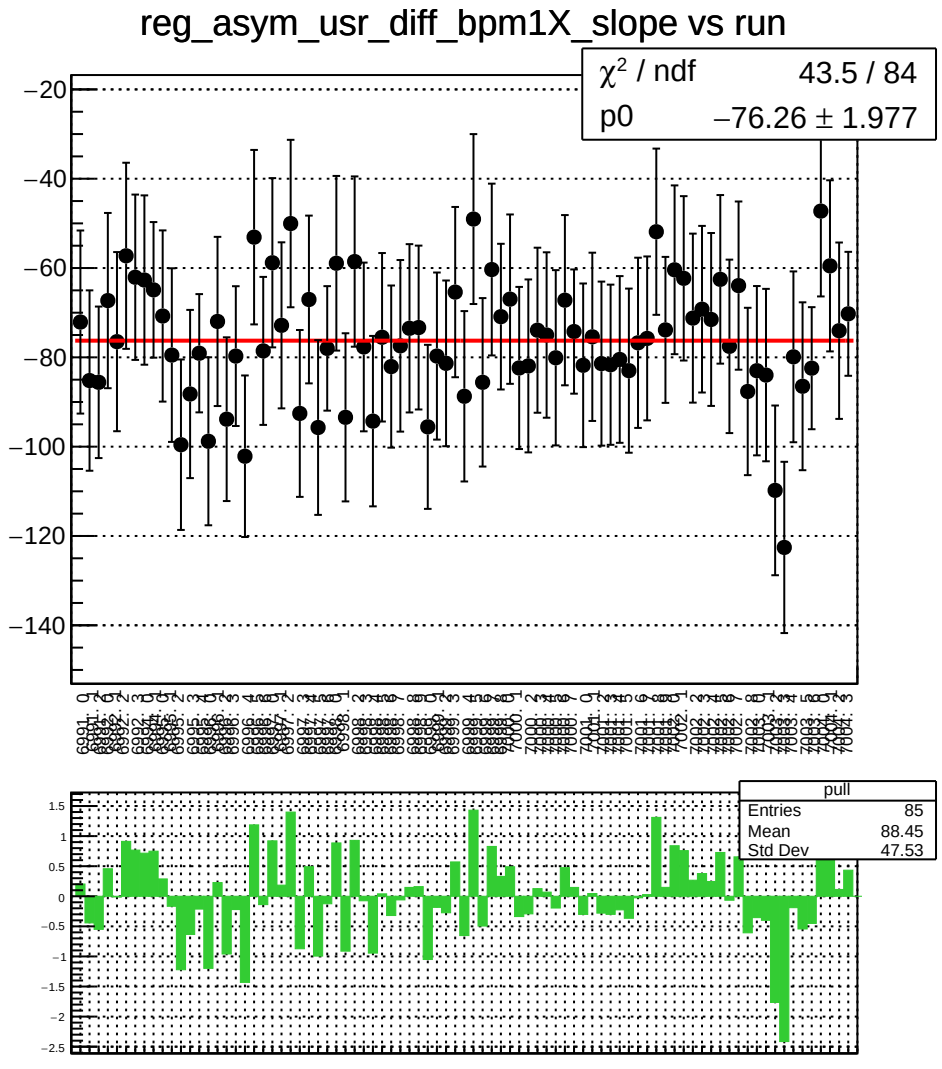

pull1D
Entries 85
Mean 0.01559
Std Dev 0.6318

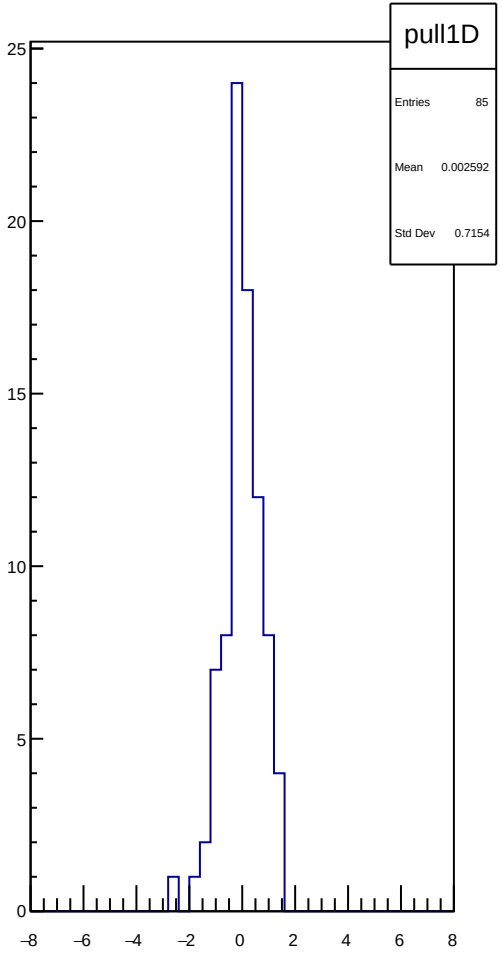

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 39.8 / 84
p0 16.98 ± 1.502
pull
Entries 85
Mean −48.42
Std Dev 111

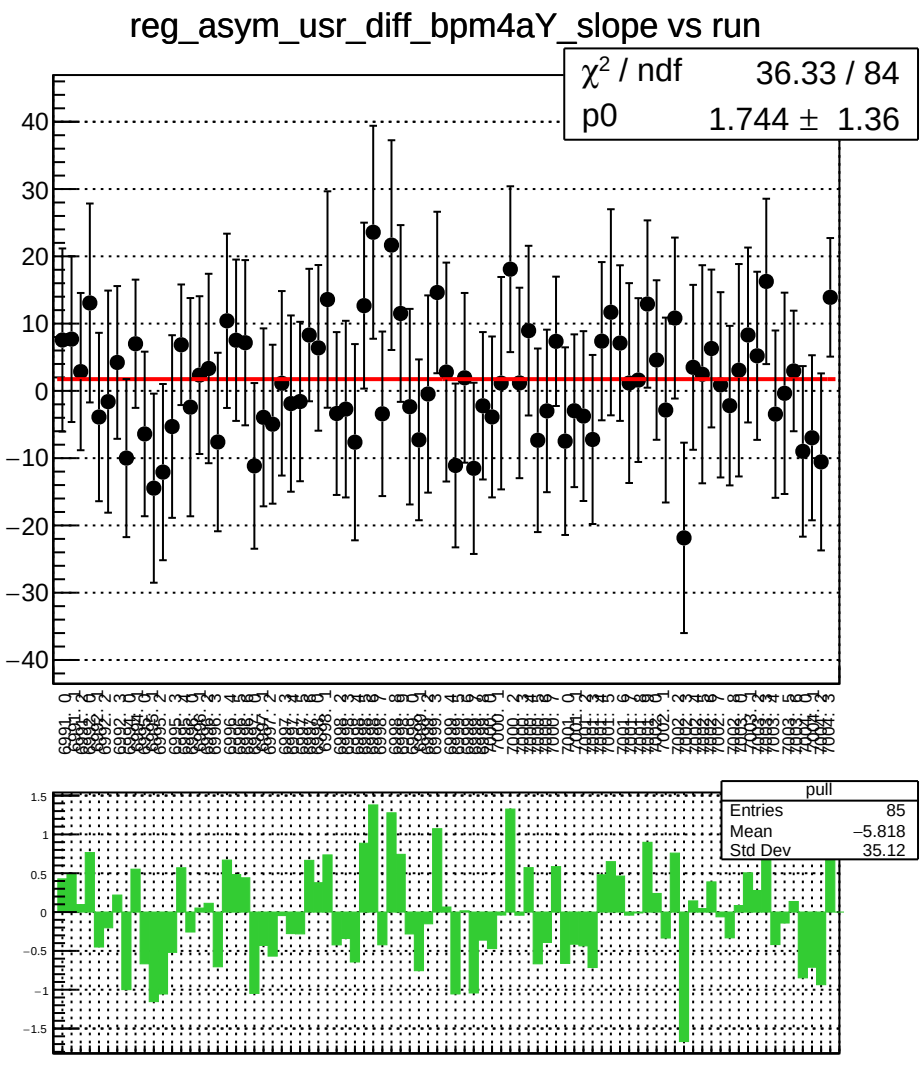

pull1D
Entries 85
Mean −0.01877
Std Dev 0.684

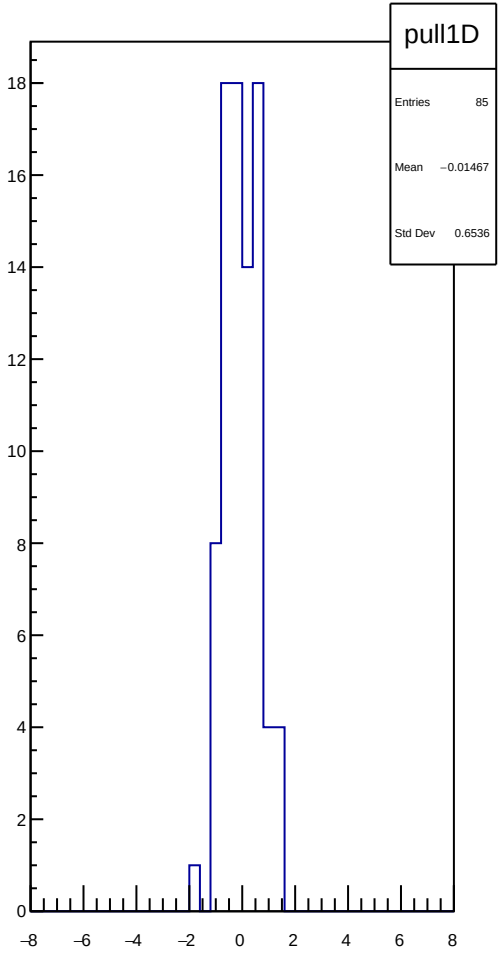

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 146.1 / 84
p0 −40.78 ± 0.06873
pull
Entries 85
Mean −1415
Std Dev 1443

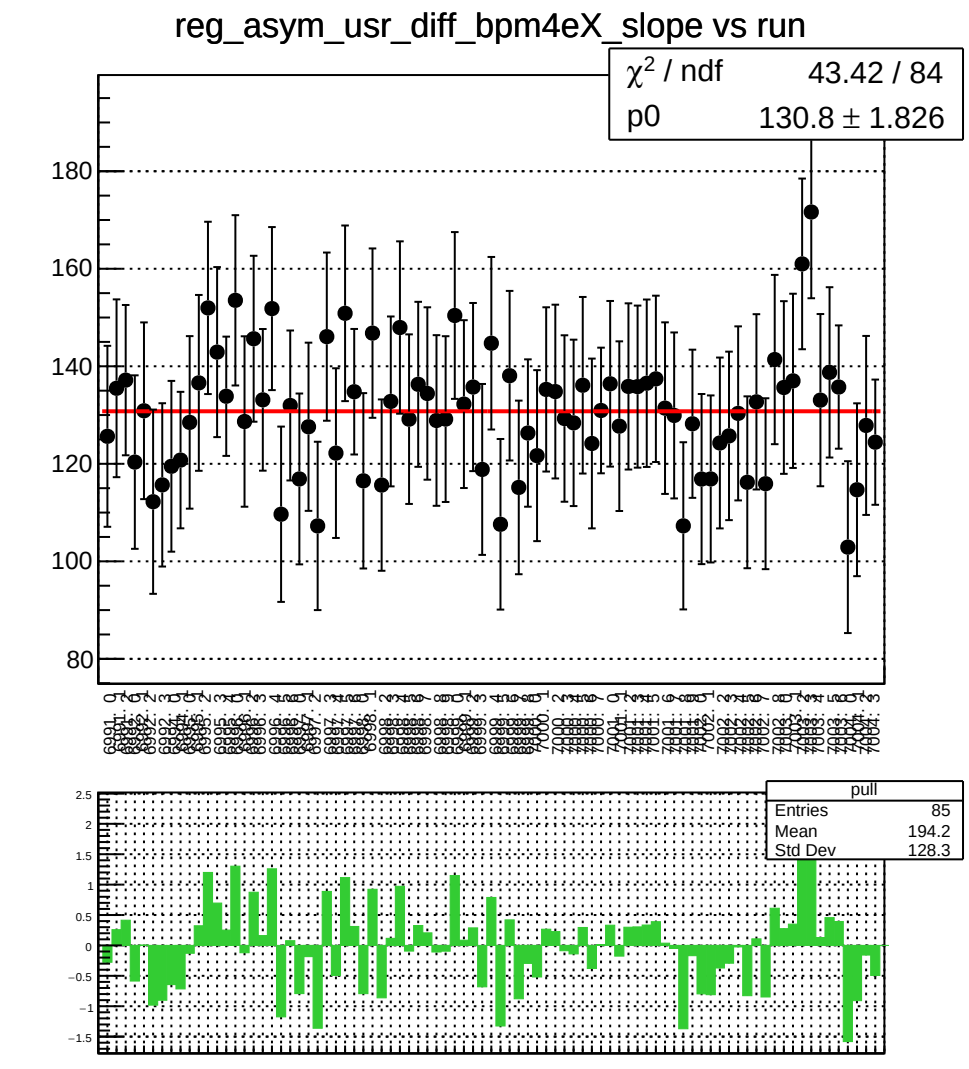

pull1D
Entries 85
Mean 0.008209
Std Dev 1.311

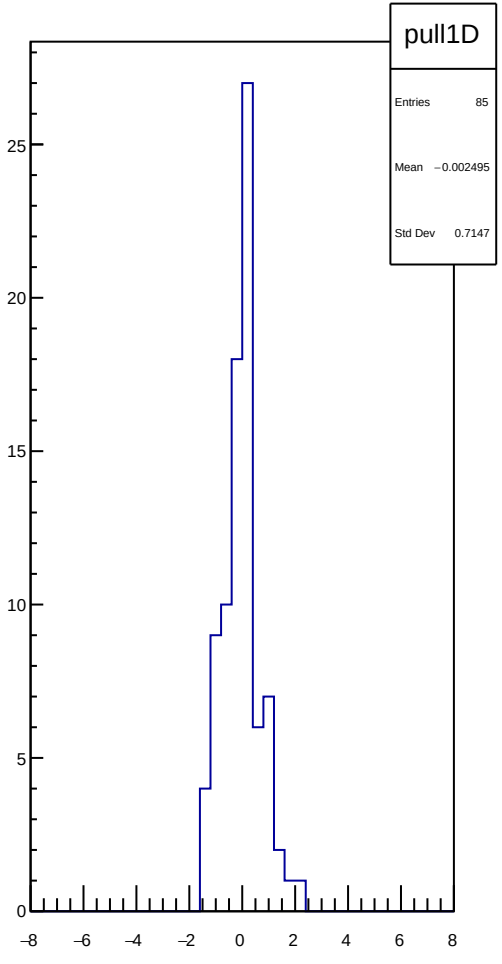

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 43.5 / 84
p0 −76.26 ± 1.977
pull
Entries 85
Mean 88.45
Std Dev 47.53

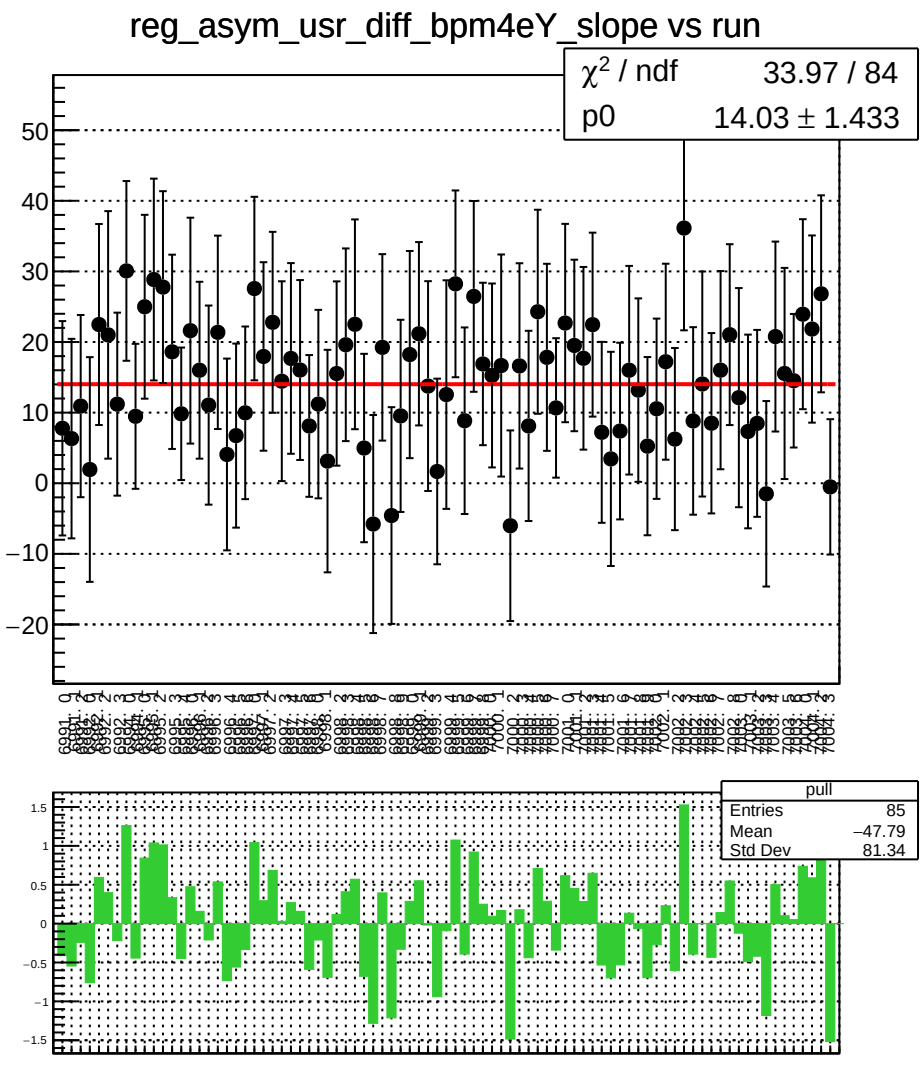

pull1D
Entries 85
Mean 0.002592
Std Dev 0.7154

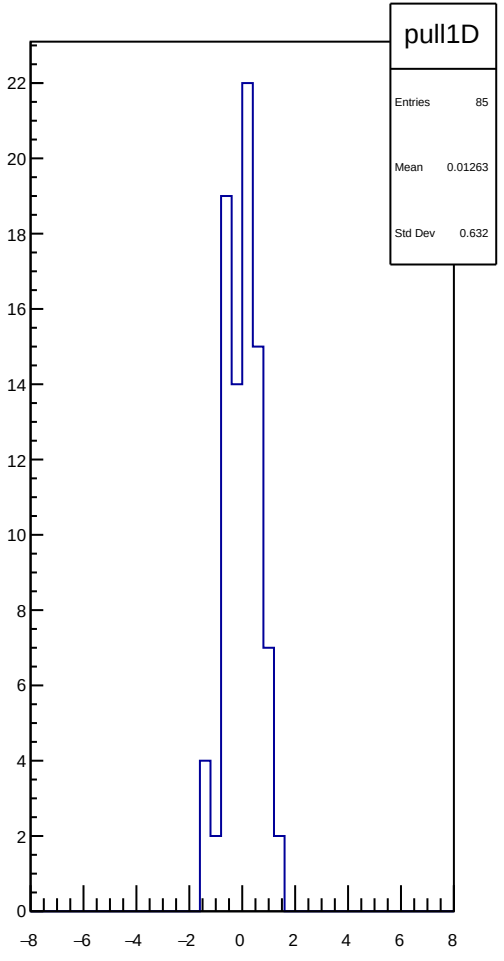

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 36.33 / 84
p0 1.744 ± 1.36
pull
Entries 85
Mean −5.818
Std Dev 35.12

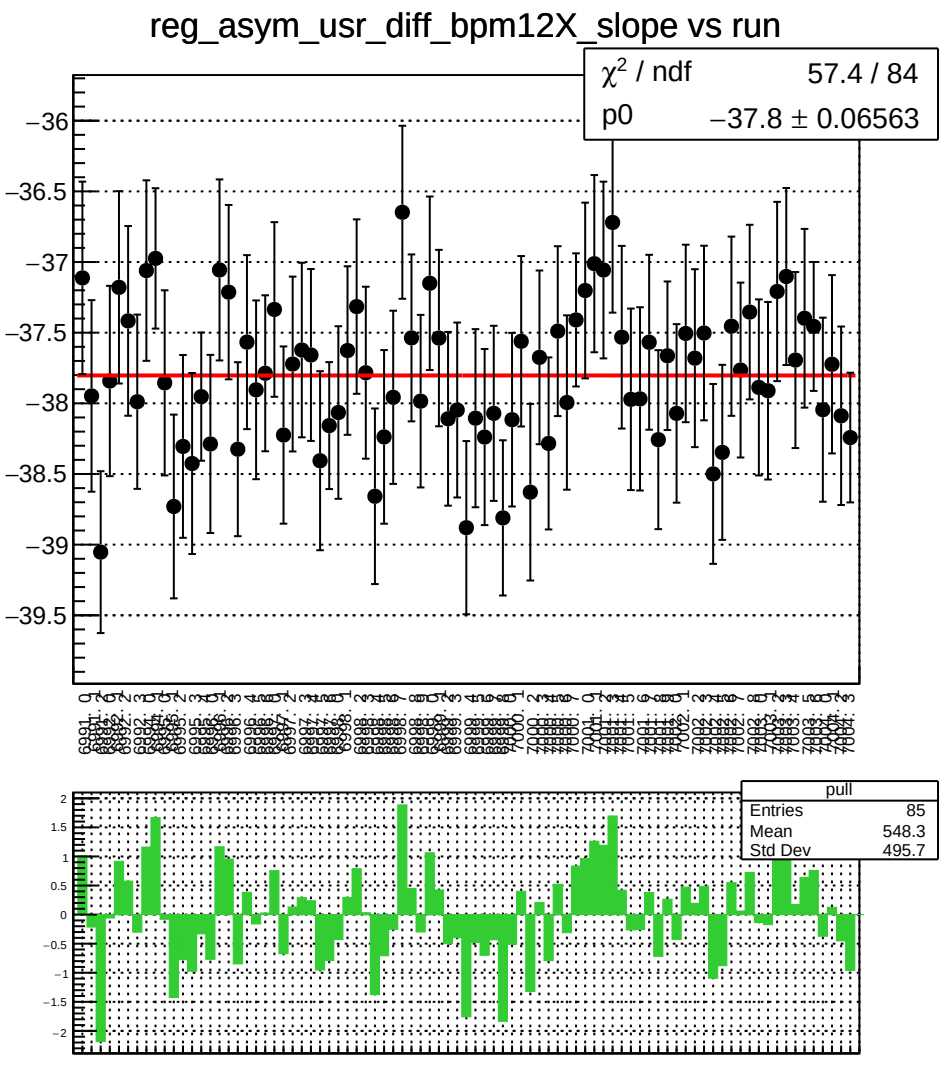

pull1D
Entries 85
Mean −0.01467
Std Dev 0.6536

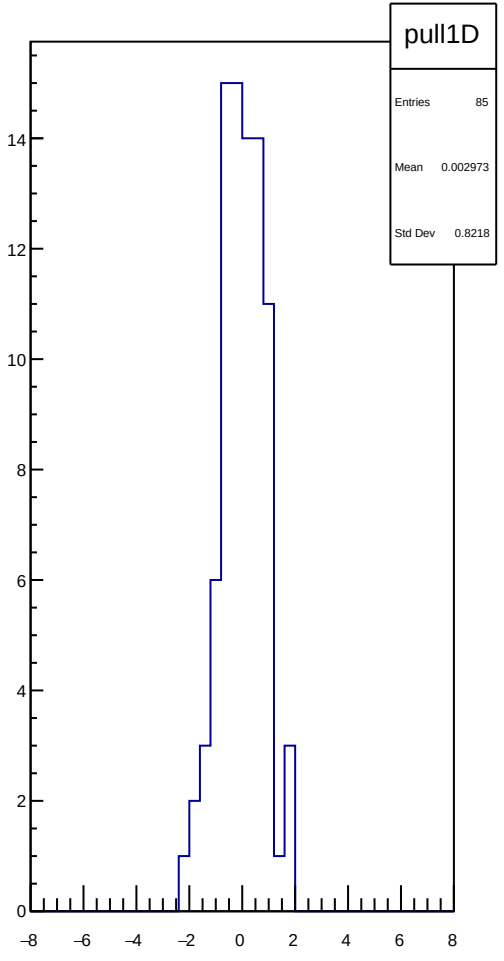

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 43.42 / 84
p0 130.8 ± 1.826
pull
Entries 85
Mean 194.2
Std Dev 128.3

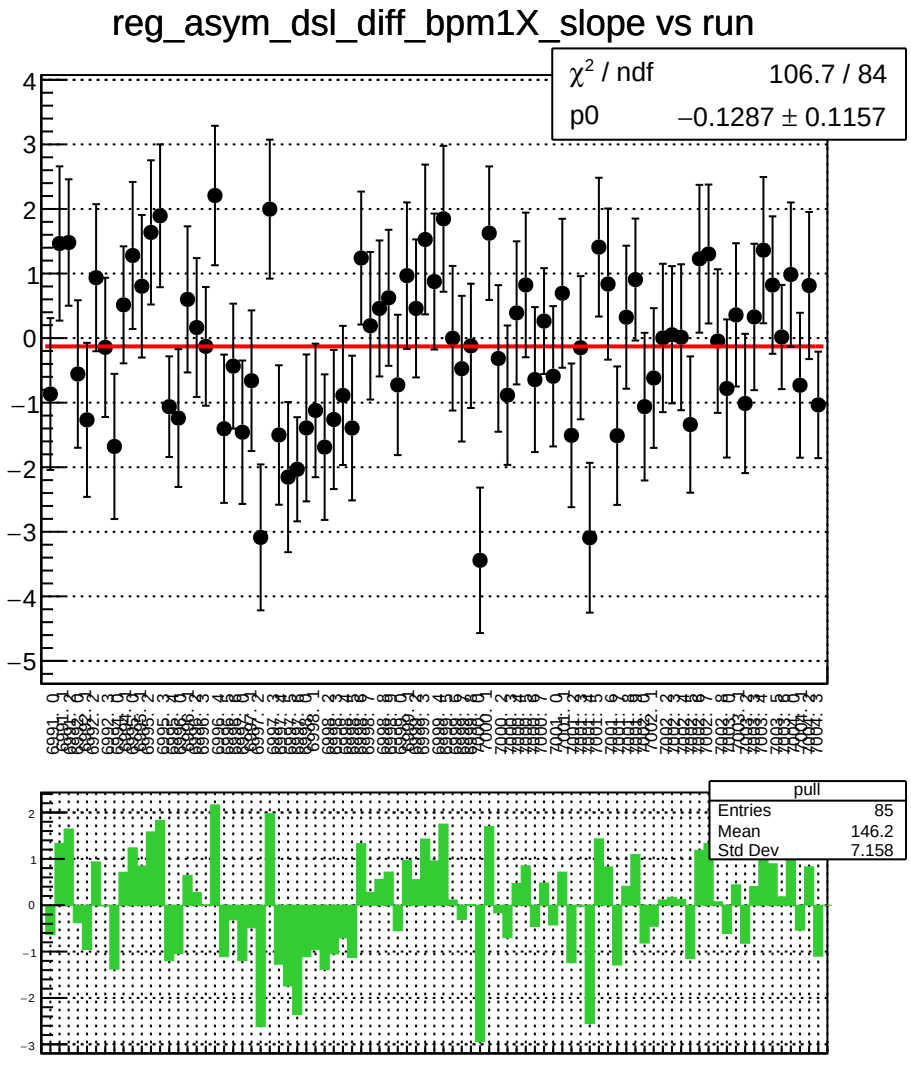

pull1D
Entries 85
Mean −0.002495
Std Dev 0.7147

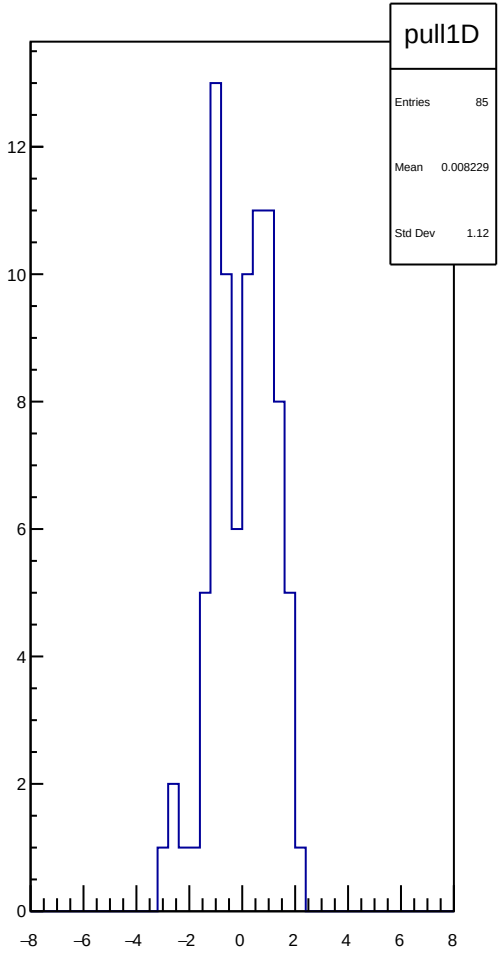

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 33.97 / 84
p0 14.03 ± 1.433
pull
Entries 85
Mean −47.79
Std Dev 81.34

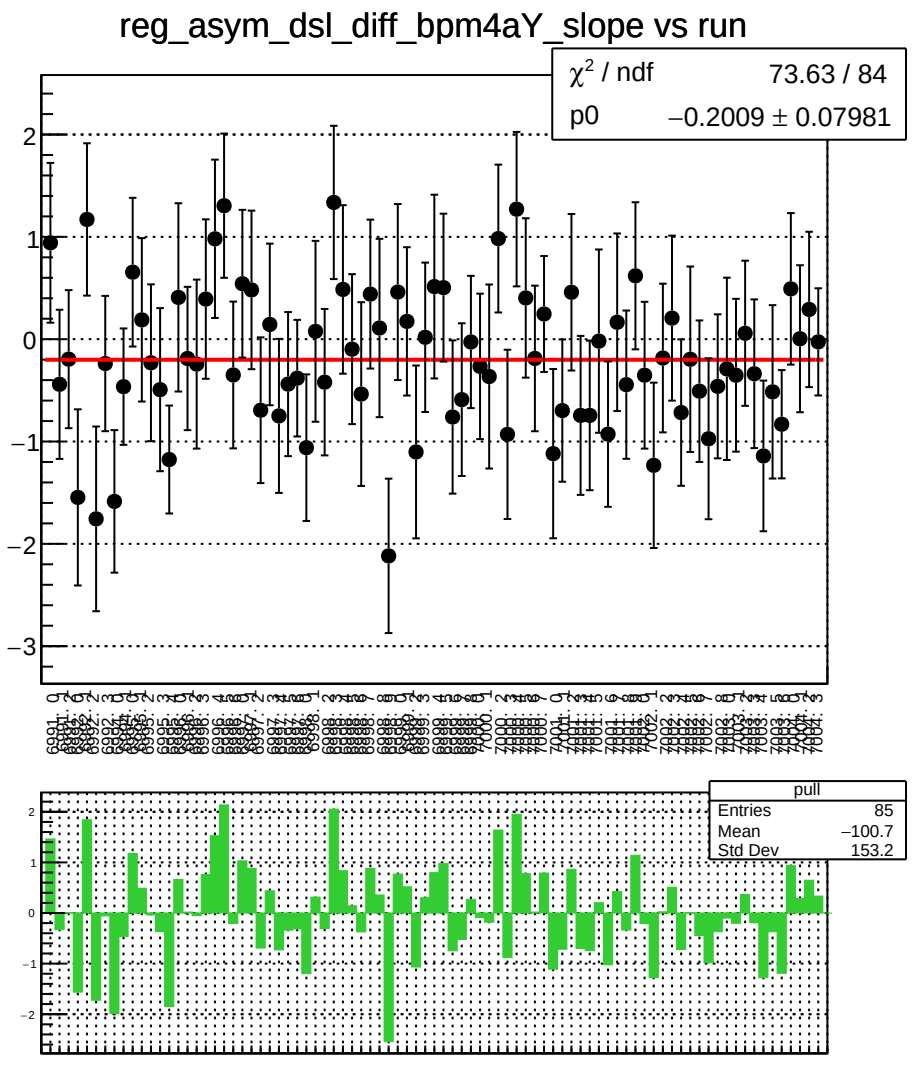

pull1D
Entries 85
Mean 0.01263
Std Dev 0.632

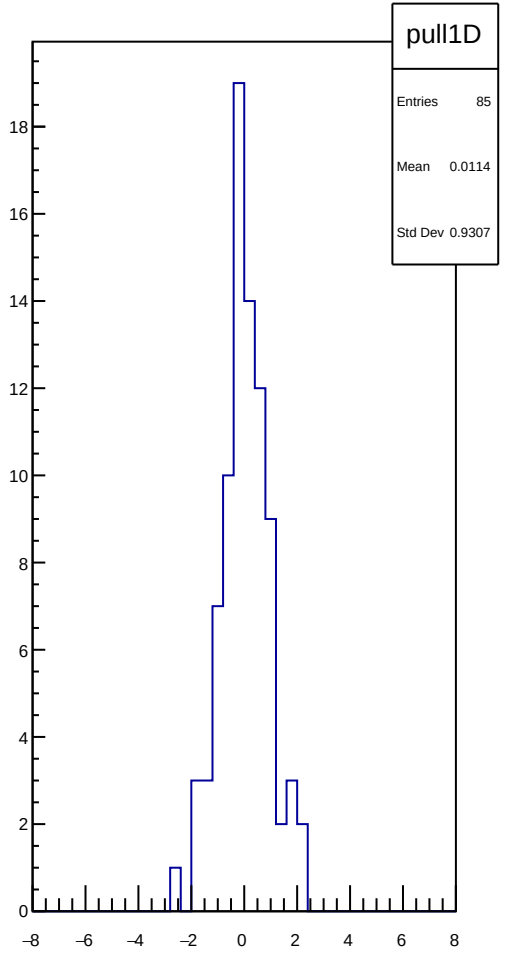

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 57.4 / 84
p0 −37.8 ± 0.06563
−36
−36.5
−37
−37.5
−38
−38.5
−39
−39.5
pull
Entries 85
Mean 548.3
Std Dev 495.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

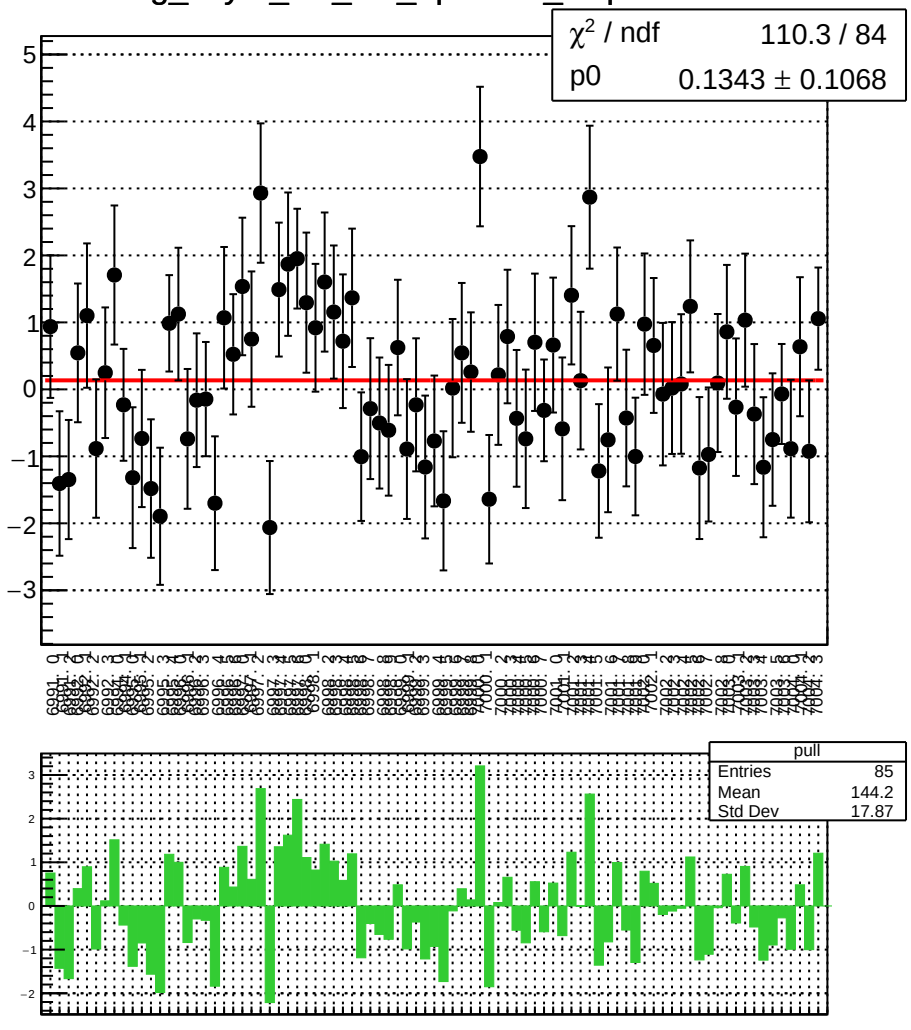

pull1D
Entries 85
Mean 0.002973
Std Dev 0.8218
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

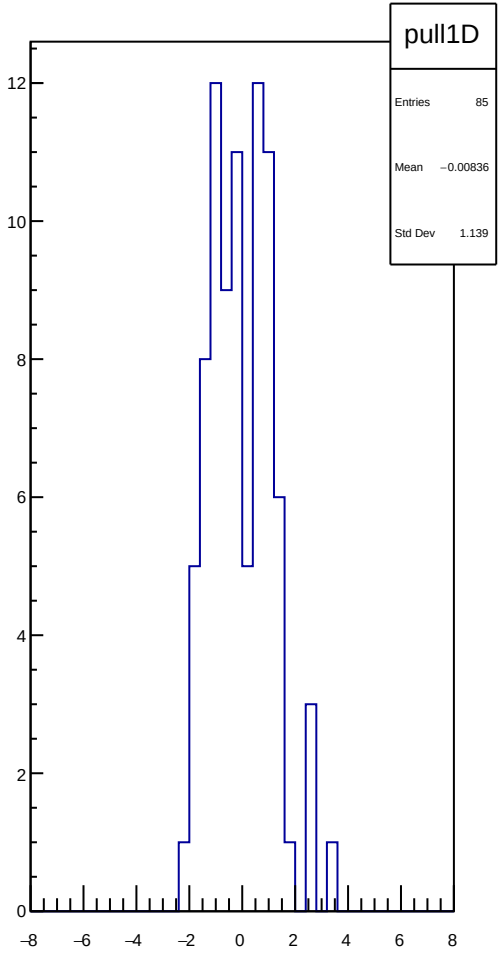

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 106.7 / 84
p0 −0.1287 ± 0.1157
pull
Entries 85
Mean 146.2
Std Dev 7.158

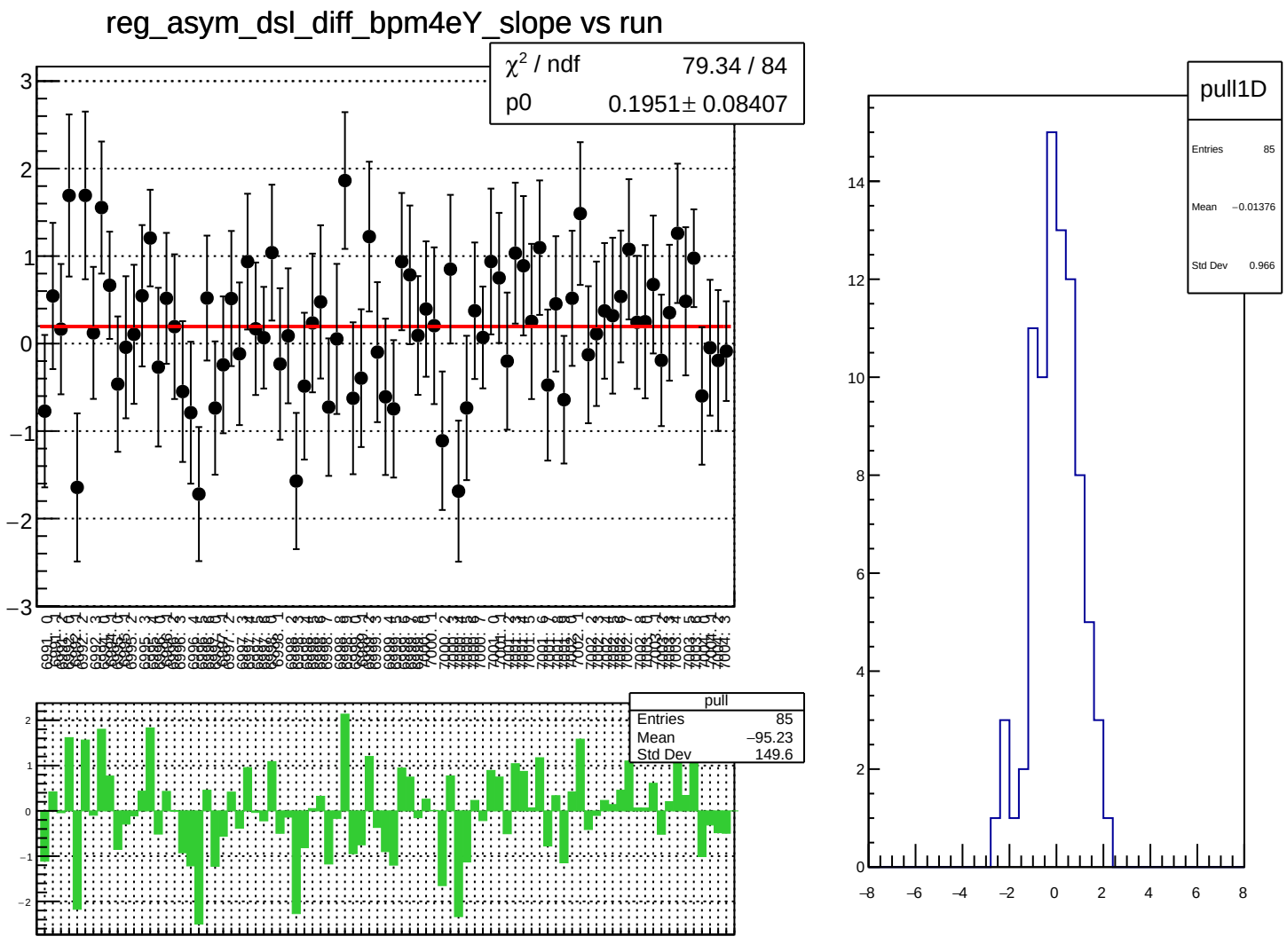

pull1D
Entries 85
Mean 0.008229
Std Dev 1.12

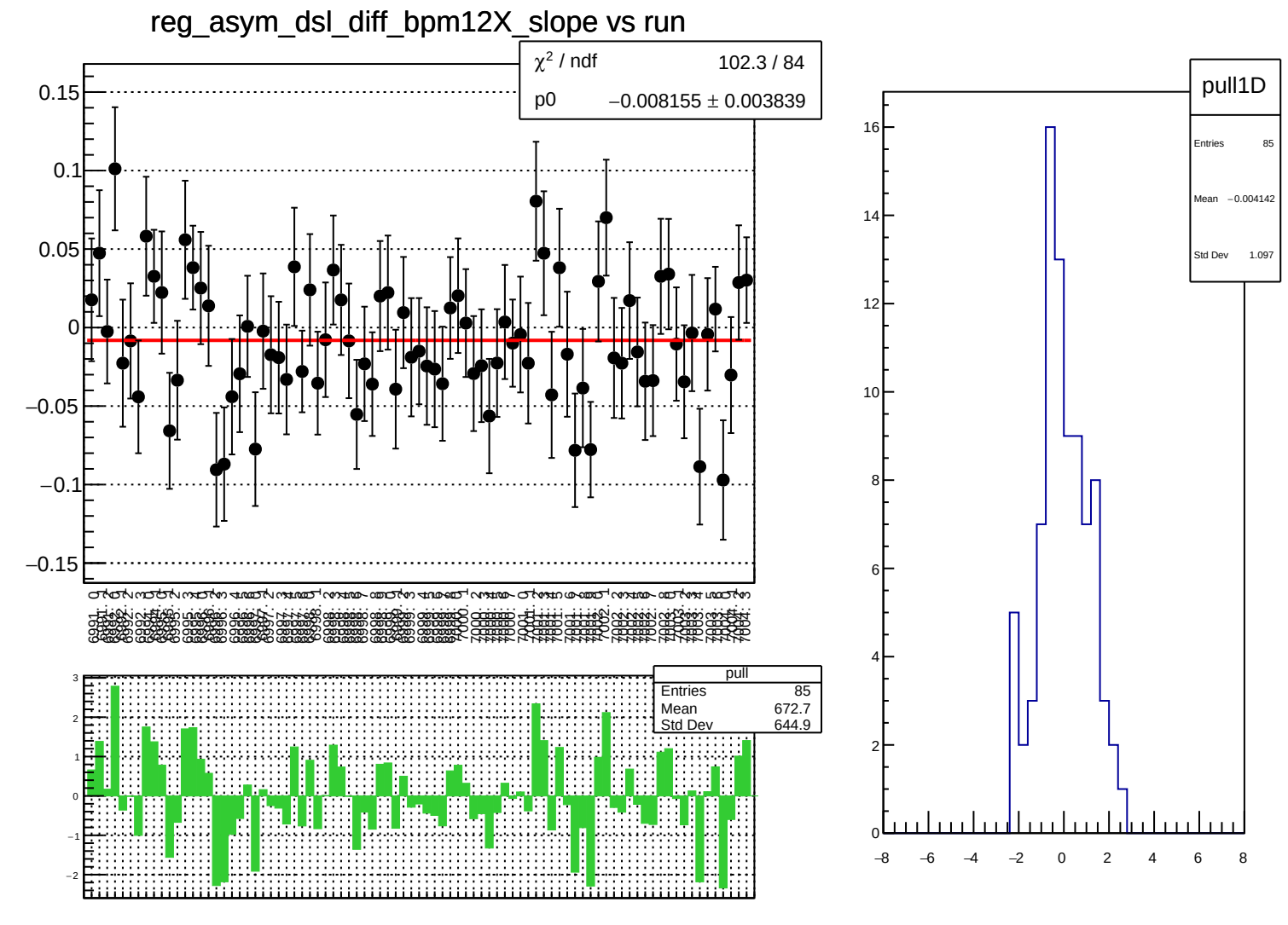

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 73.63 / 84
p0 −0.2009 ± 0.07981
pull
Entries 85
Mean −100.7
Std Dev 153.2

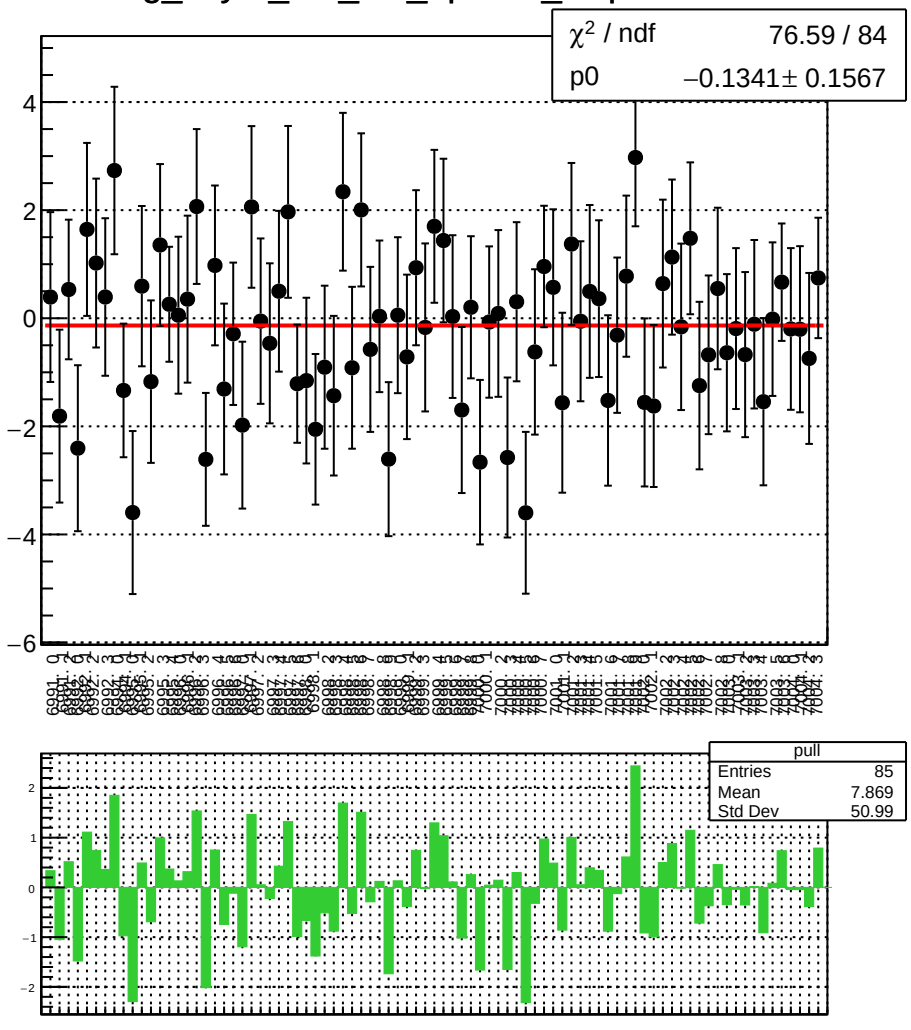

pull1D
Entries 85
Mean 0.0114
Std Dev 0.9307

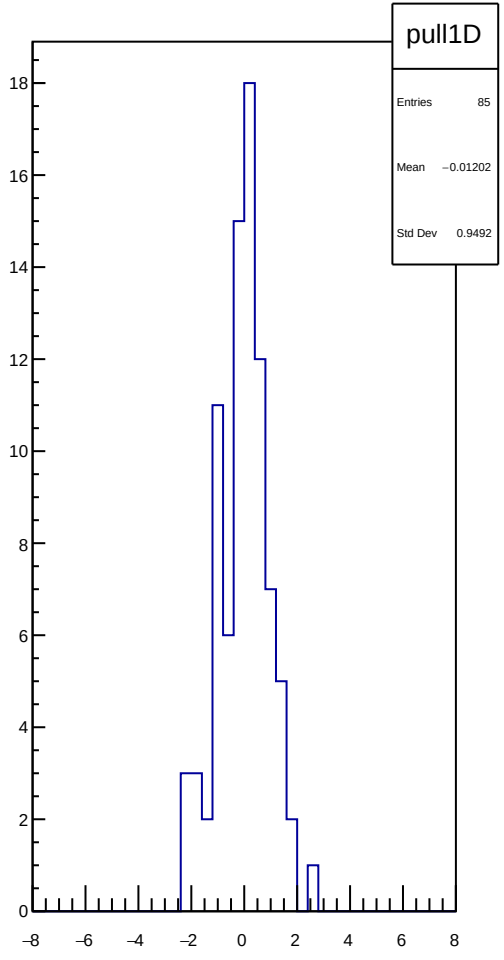

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 110.3 / 84
p0 0.1343 ± 0.1068
pull
Entries 85
Mean 144.2
Std Dev 17.87

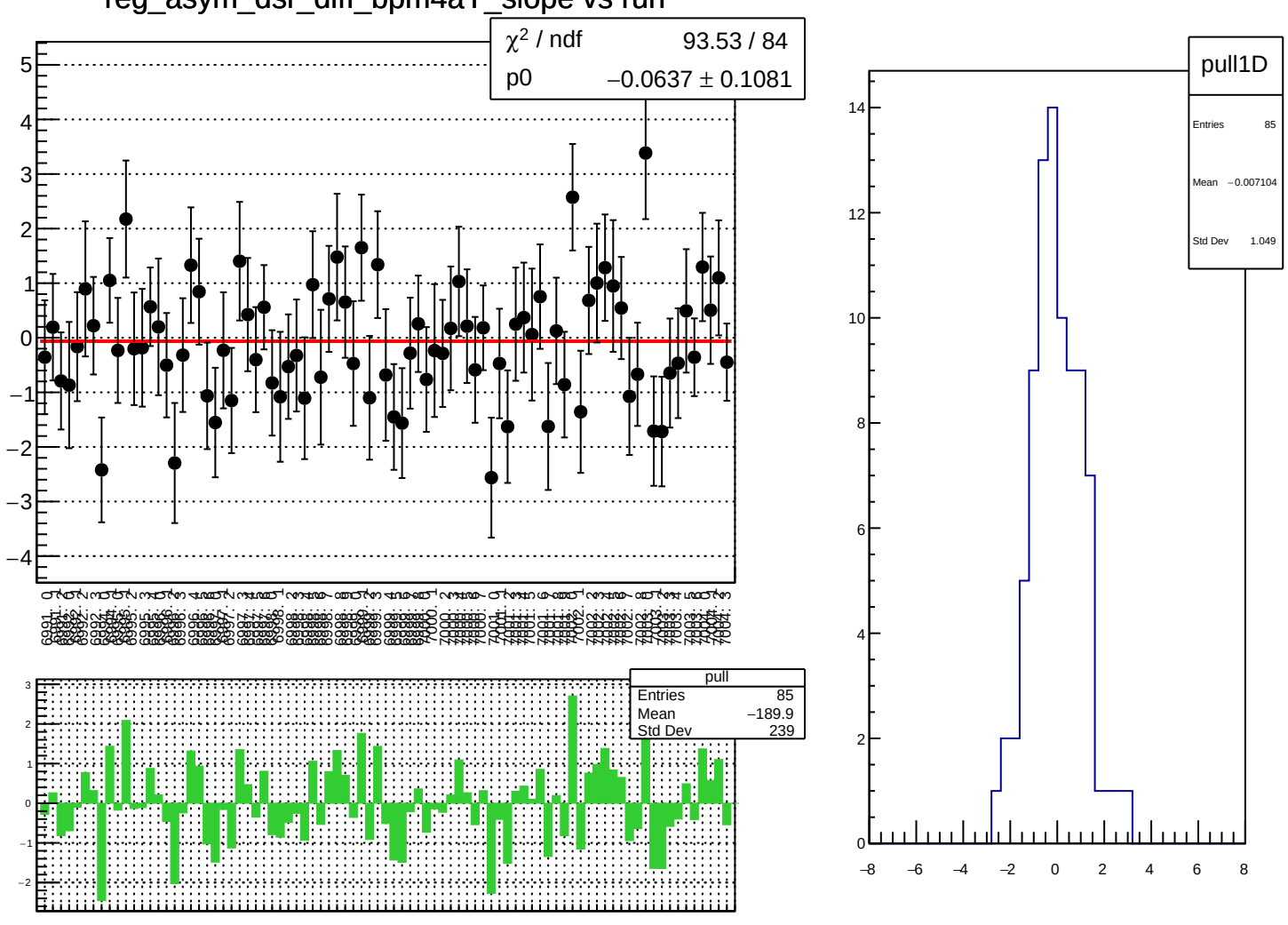

pull1D
Entries 85
Mean −0.00836
Std Dev 1.139

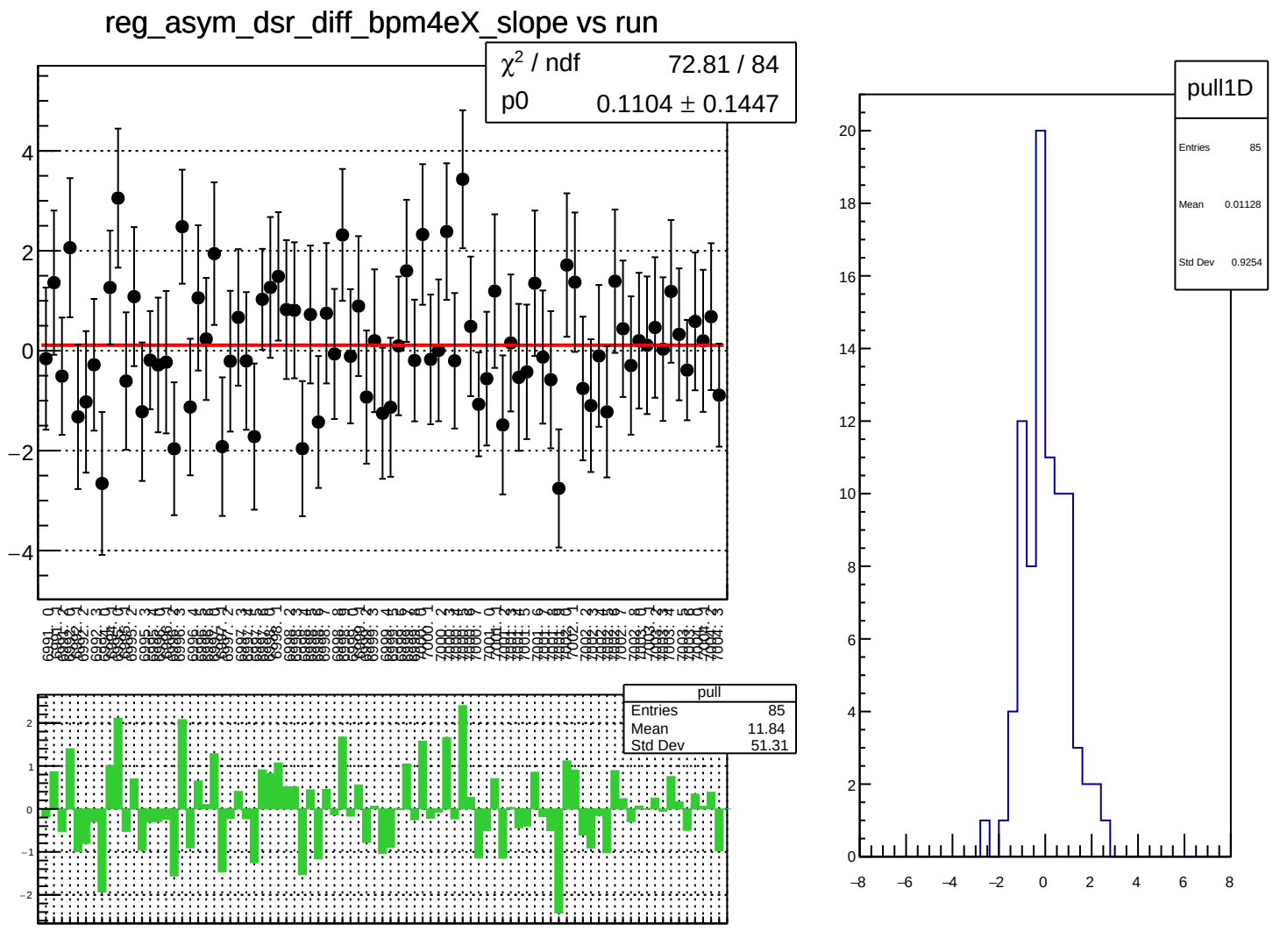

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 79.34 / 84
p0 0.1951± 0.08407
pull
Entries 85
Mean −95.23
Std Dev 149.6
pull1D
Entries 85
Mean −0.01376
Std Dev 0.966

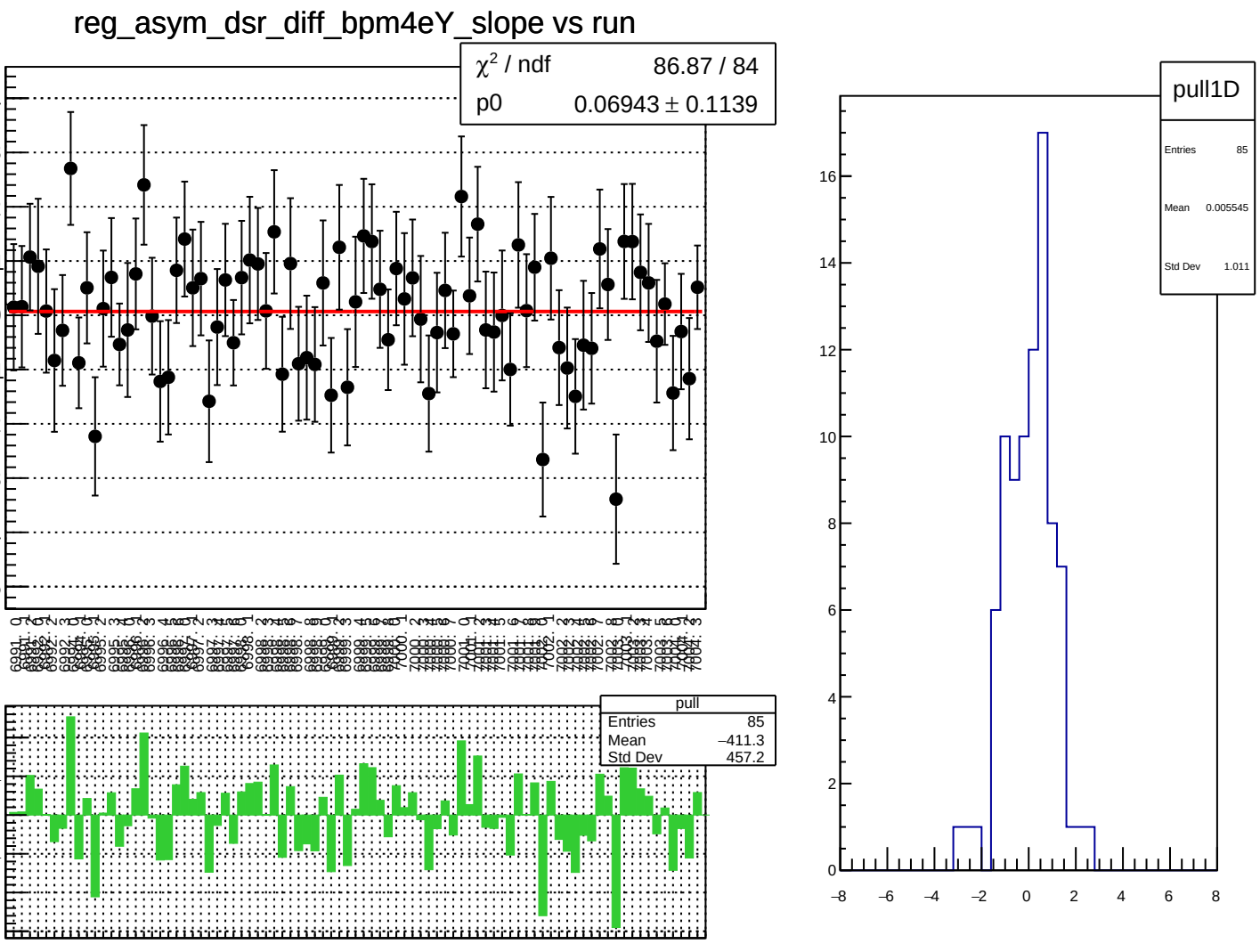

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 102.3 / 84
p0 −0.008155 ± 0.003839
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 85
Mean 672.7
Std Dev 644.9
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.004142
Std Dev 1.097
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

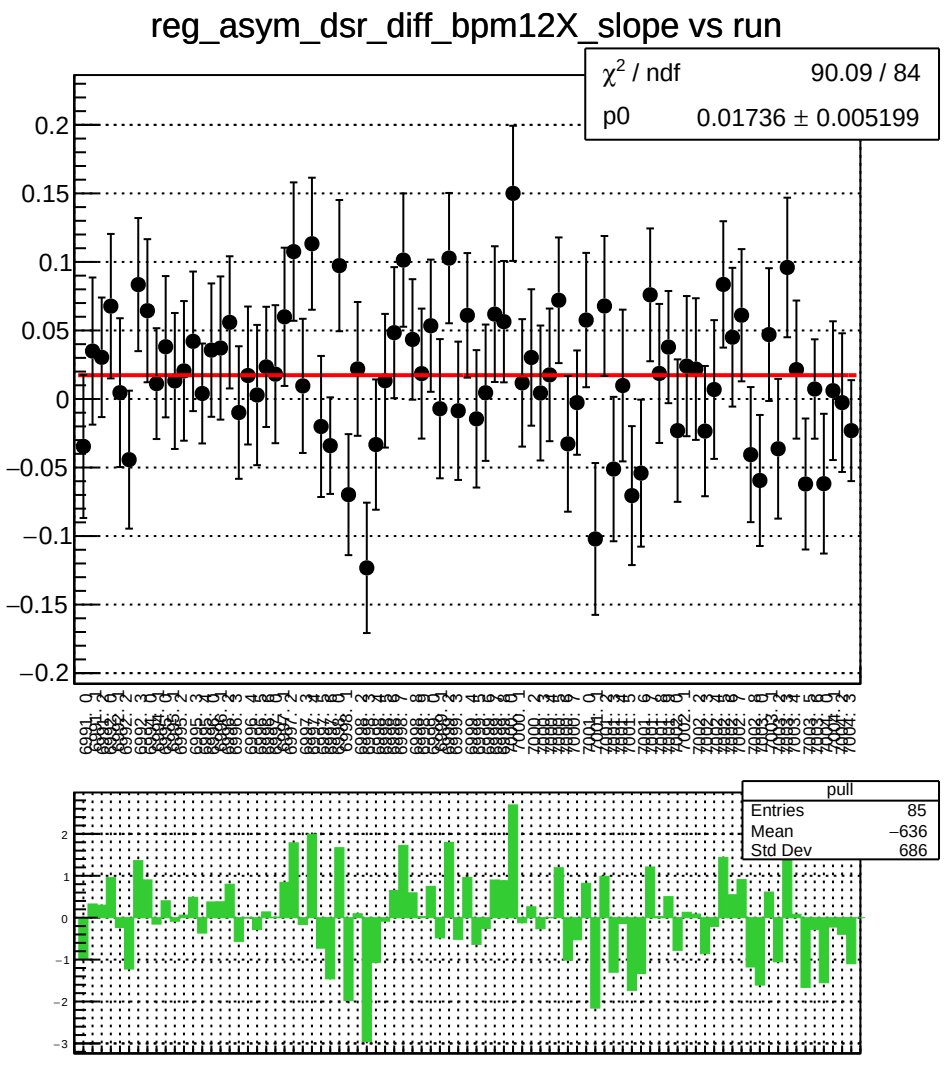

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 76.59 / 84
p0 −0.1341± 0.1567
pull
Entries 85
Mean 7.869
Std Dev 50.99

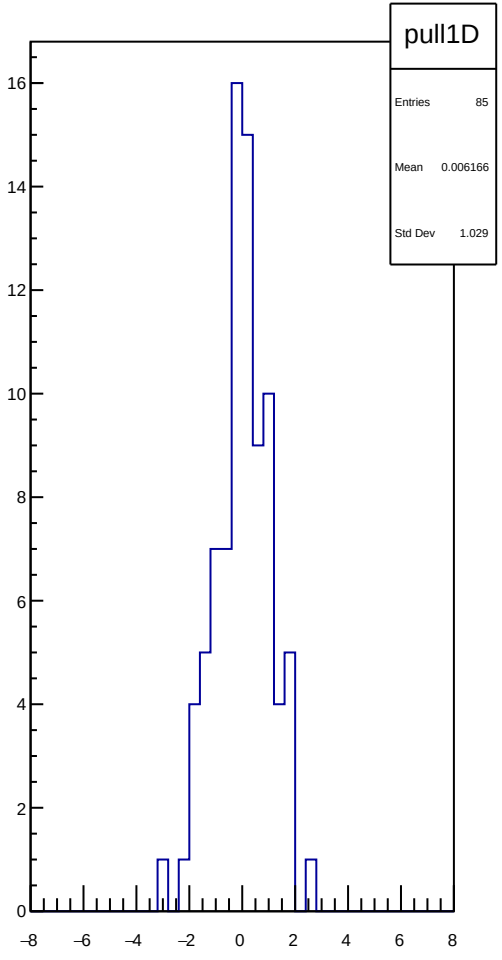

pull1D
Entries 85
Mean −0.01202
Std Dev 0.9492

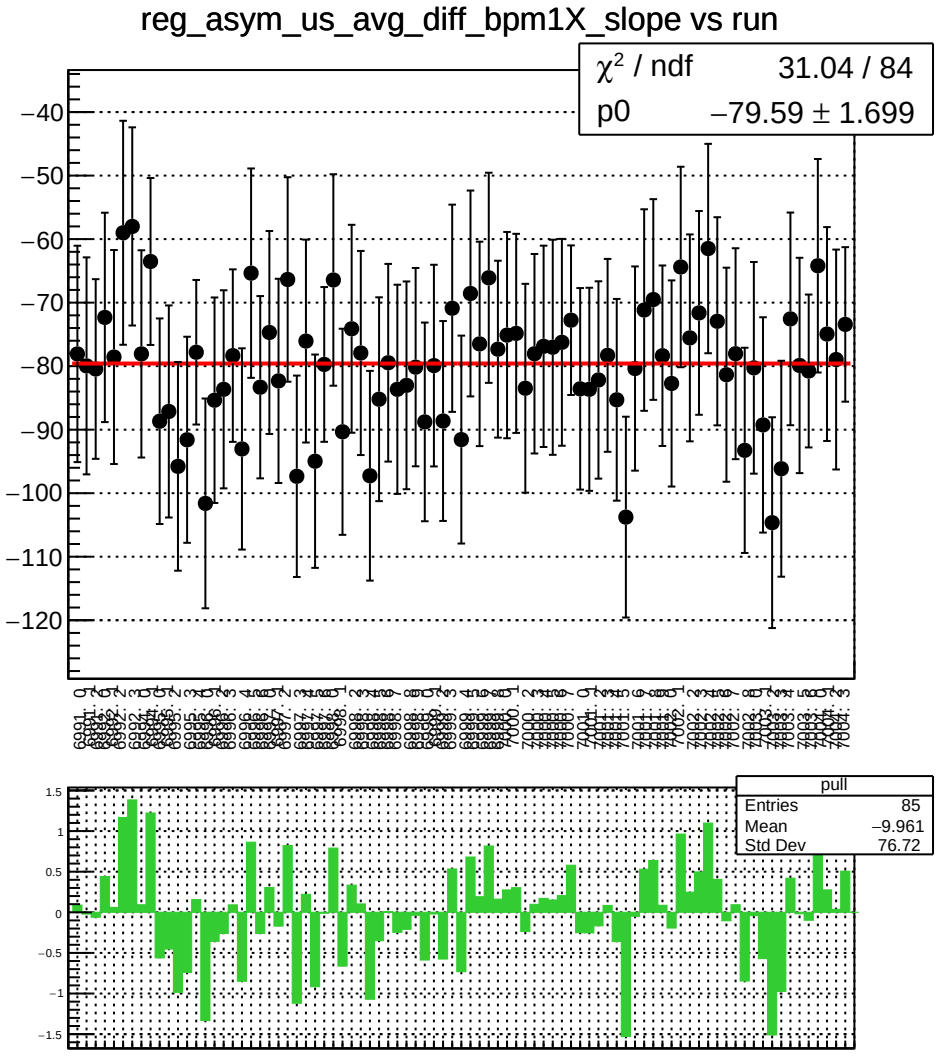

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 93.53 / 84
p0 −0.0637 ± 0.1081
pull
Entries 85
Mean −189.9
Std Dev 239
pull1D
Entries 85
Mean −0.007104
Std Dev 1.049

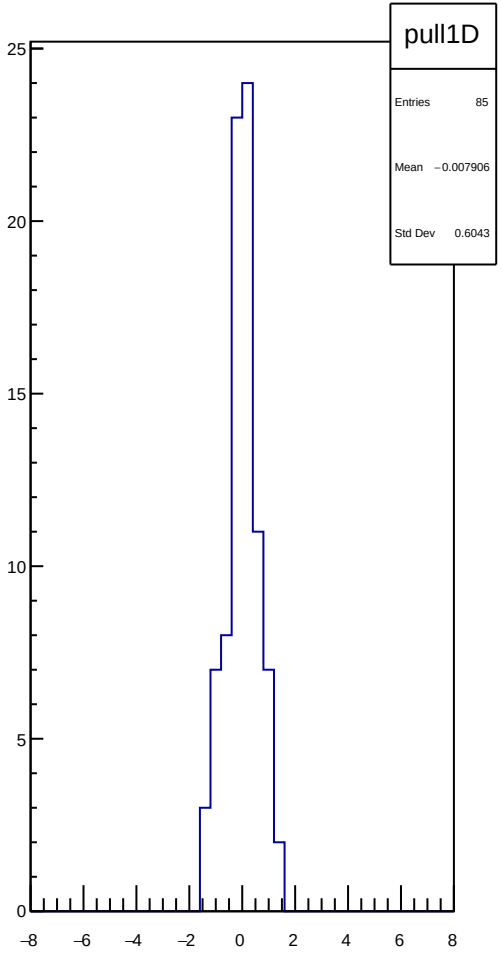

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 72.81 / 84
p0 0.1104 ± 0.1447
pull
Entries 85
Mean 11.84
Std Dev 51.31
pull1D
Entries 85
Mean 0.01128
Std Dev 0.9254

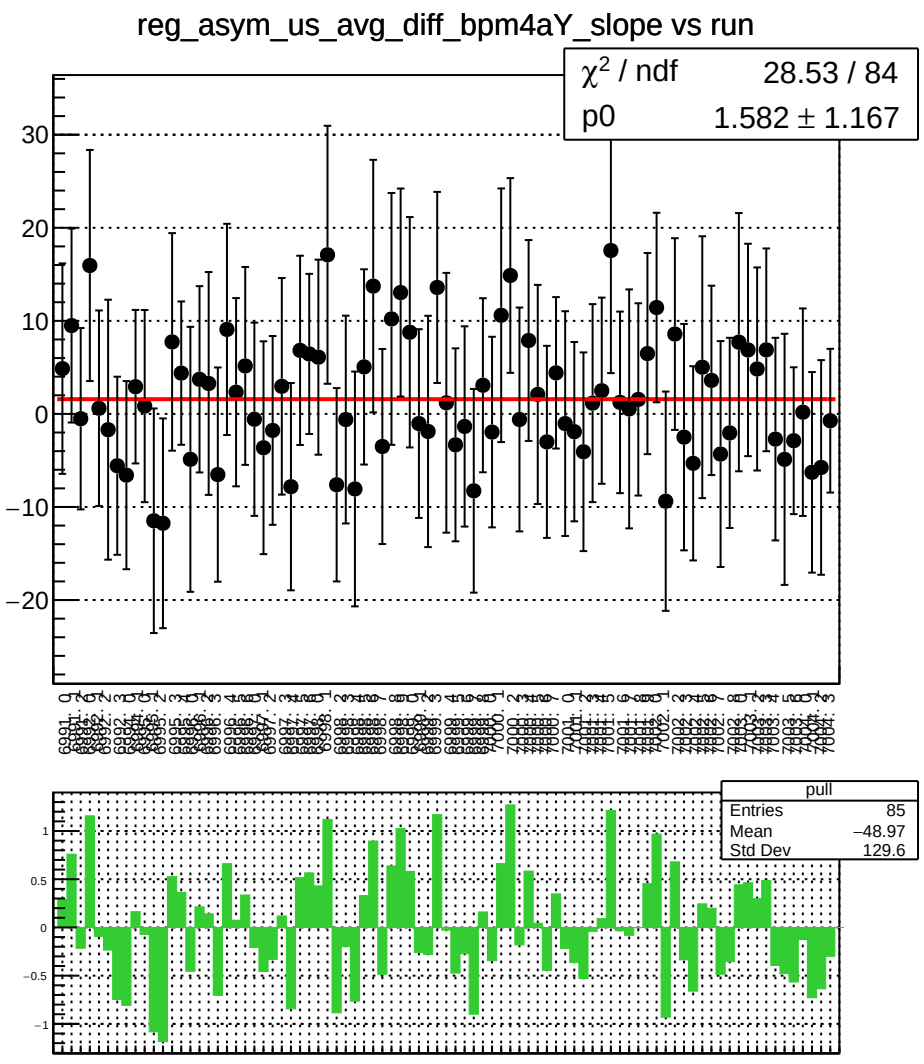

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 86.87 / 84
p0 0.06943 ± 0.1139
pull
Entries 85
Mean −411.3
Std Dev 457.2
pull1D
Entries 85
Mean 0.005545
Std Dev 1.011

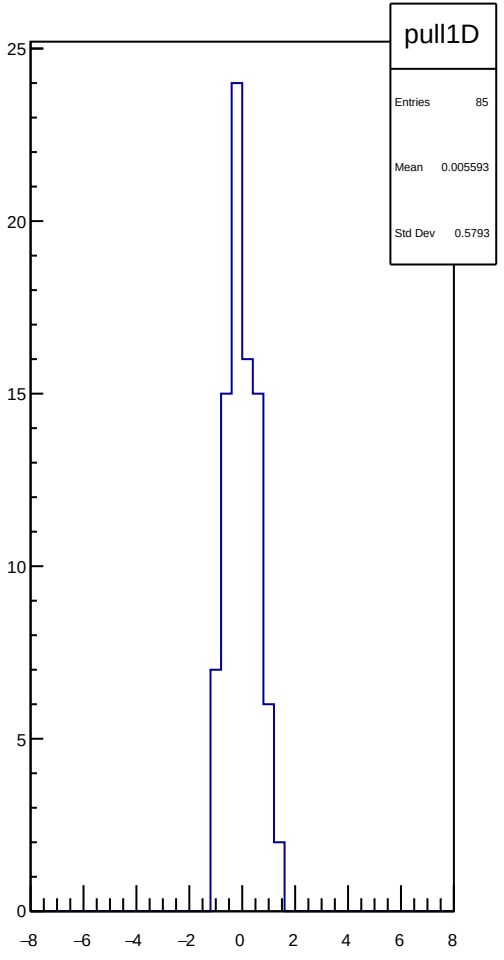

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 90.09 / 84
p0 0.01736 ± 0.005199
pull
Entries 85
Mean −636
Std Dev 686

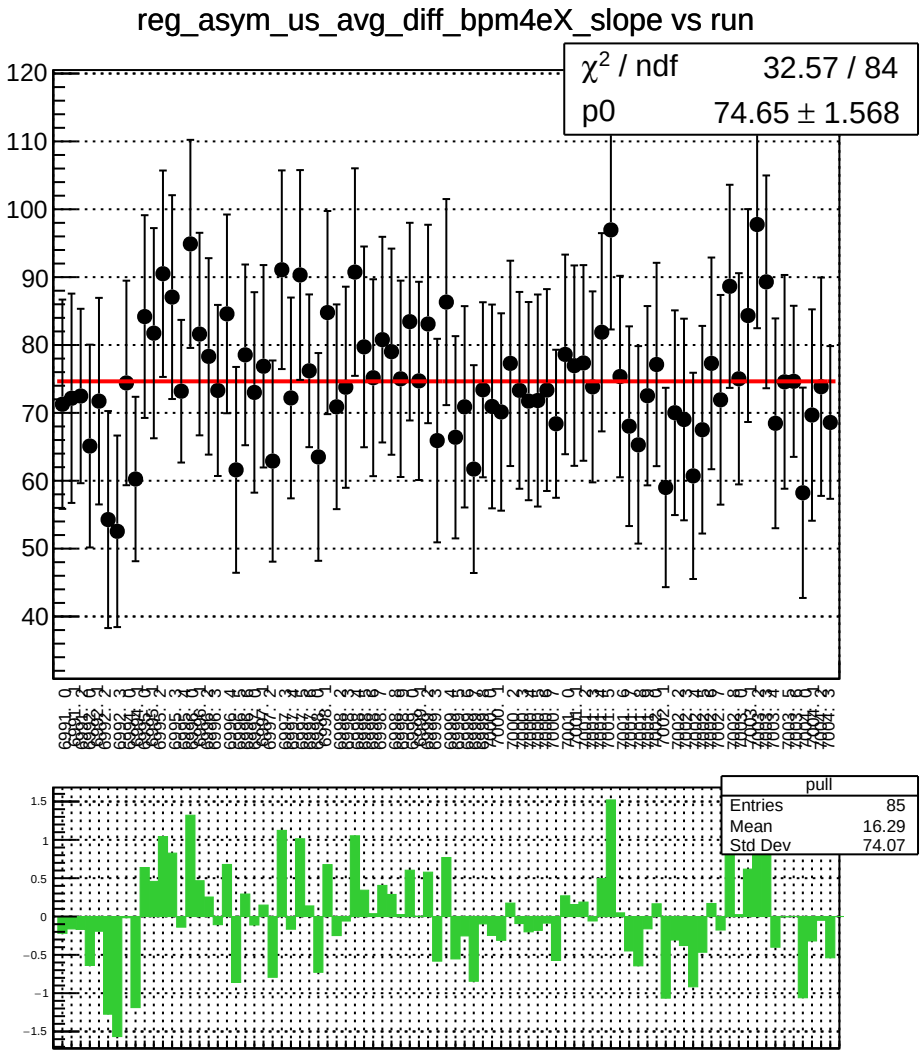

pull1D
Entries 85
Mean 0.006166
Std Dev 1.029

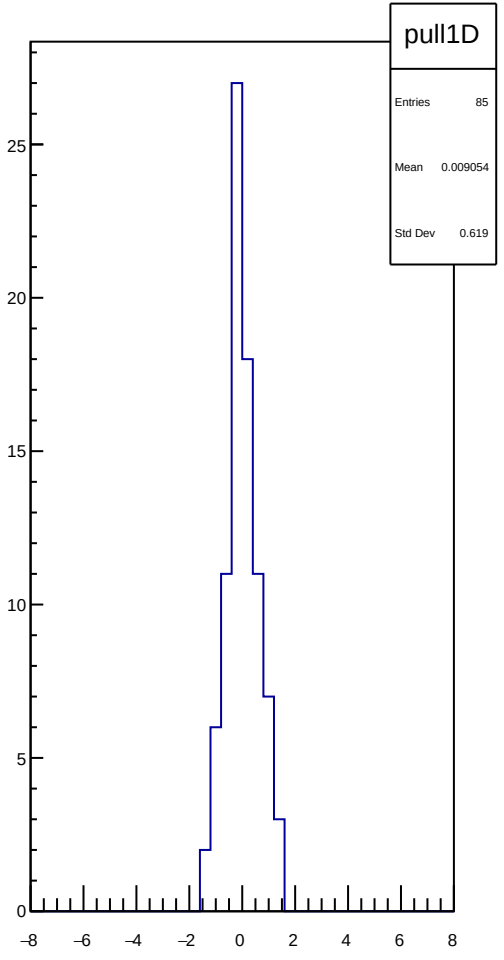

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 31.04 / 84
p0 −79.59 ± 1.699
pull
Entries 85
Mean −9.961
Std Dev 76.72

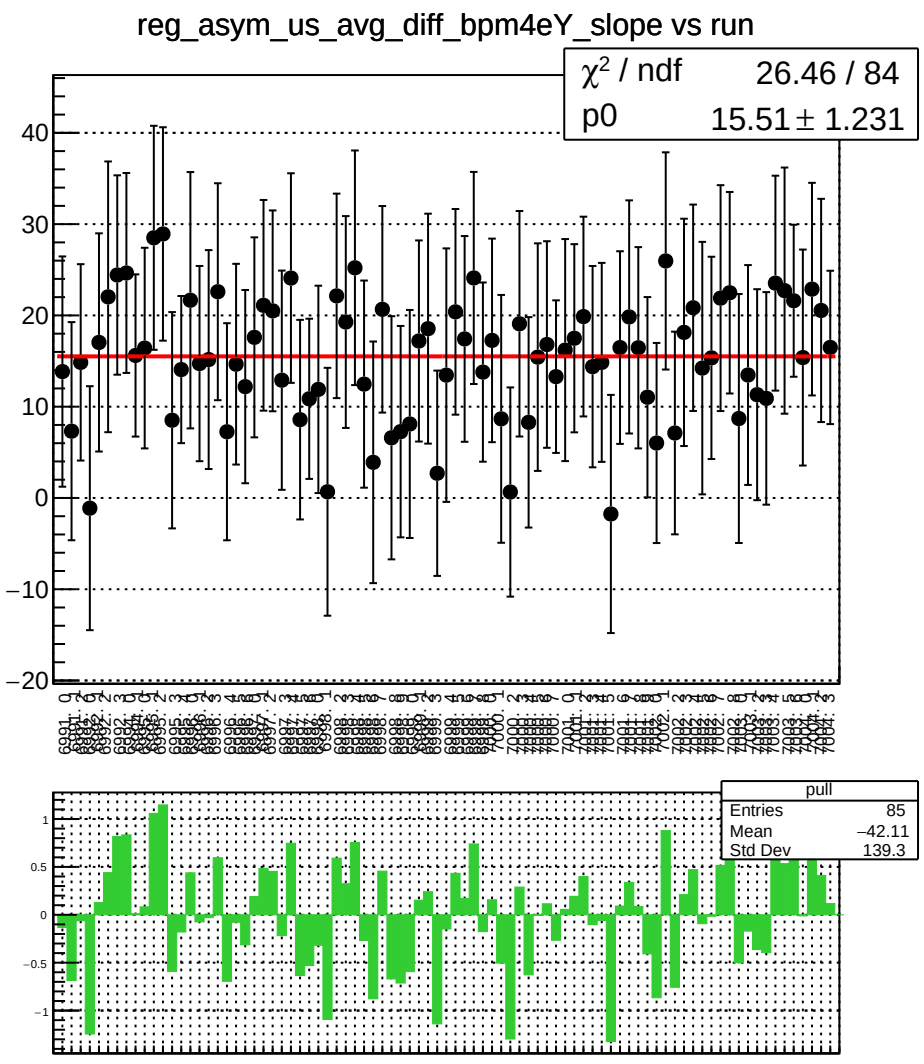

pull1D
Entries 85
Mean −0.007906
Std Dev 0.6043

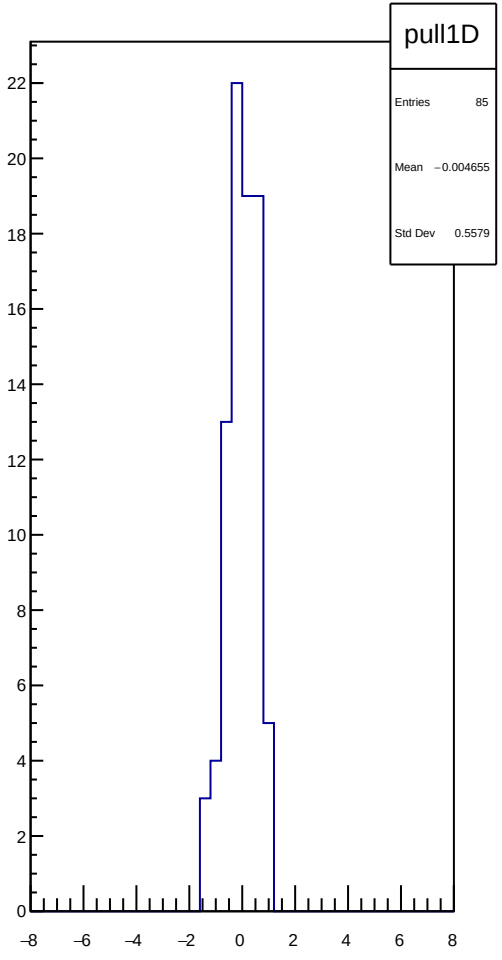

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.53 / 84
p0 1.582 ± 1.167
pull
Entries 85
Mean −48.97
Std Dev 129.6

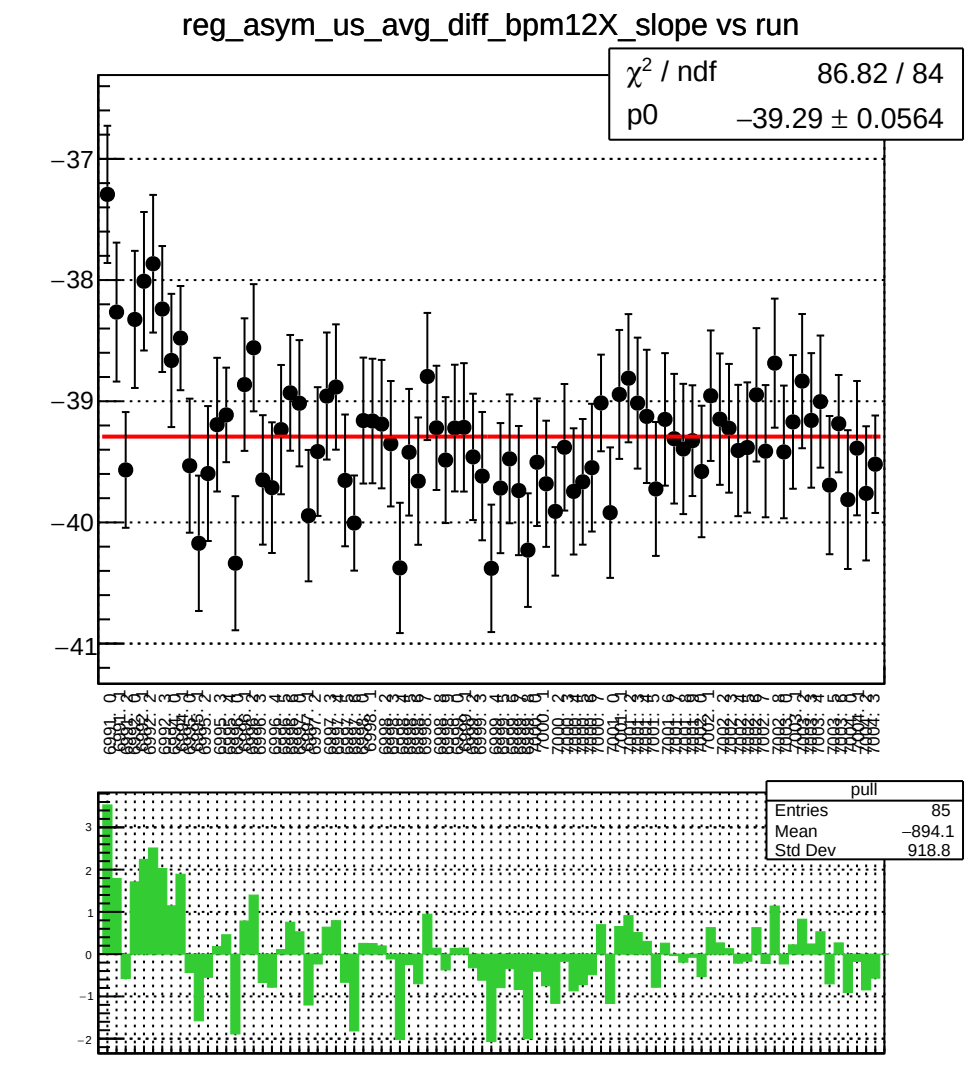

pull1D
Entries 85
Mean 0.005593
Std Dev 0.5793

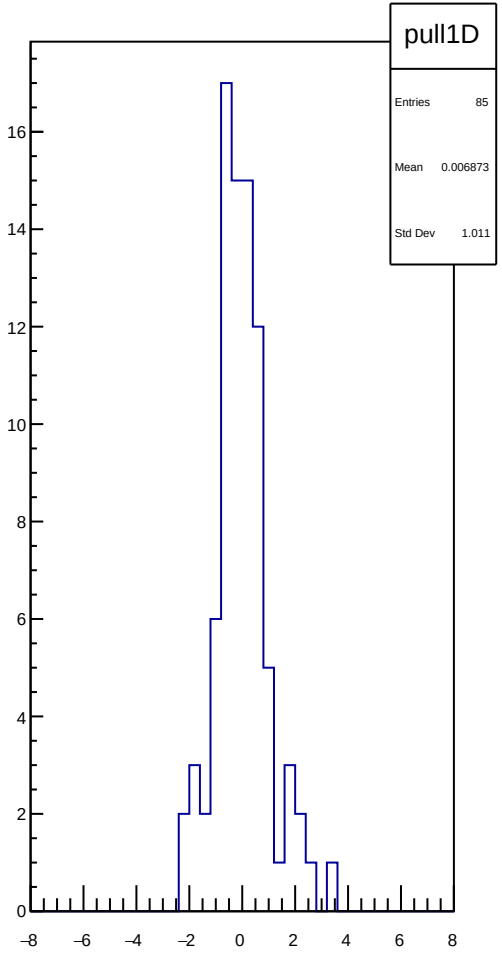

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 32.57 / 84
p0 74.65 ± 1.568
pull
Entries 85
Mean 16.29
Std Dev 74.07

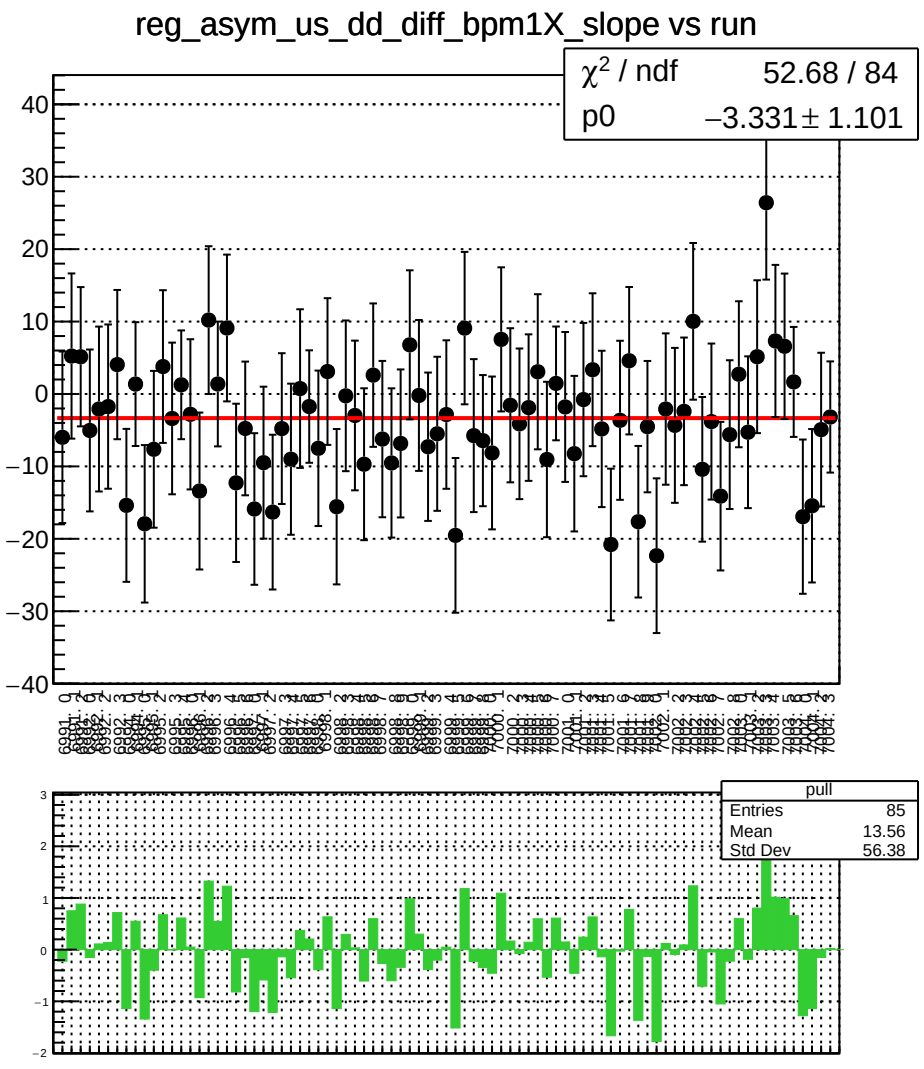

pull1D
Entries 85
Mean 0.009054
Std Dev 0.619

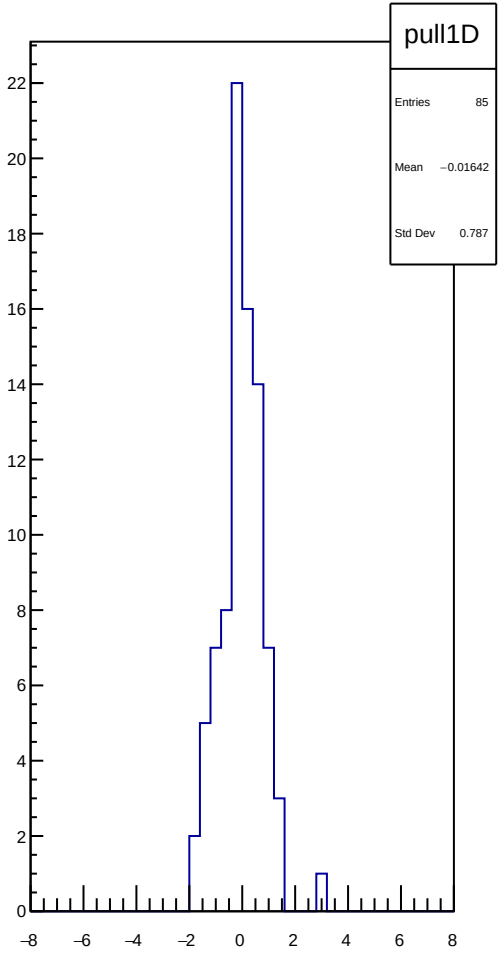

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.46 / 84
p0 15.51 ± 1.231
pull
Entries 85
Mean −42.11
Std Dev 139.3

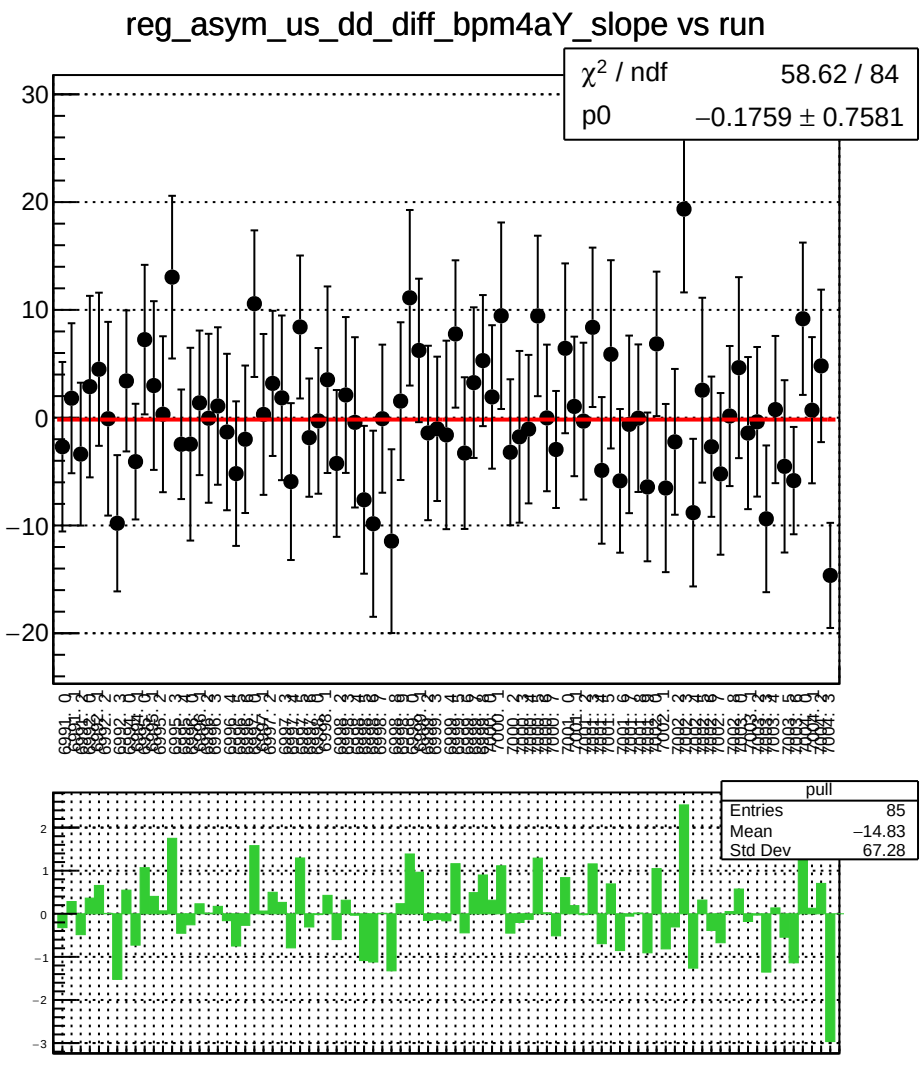

pull1D
Entries 85
Mean −0.004655
Std Dev 0.5579

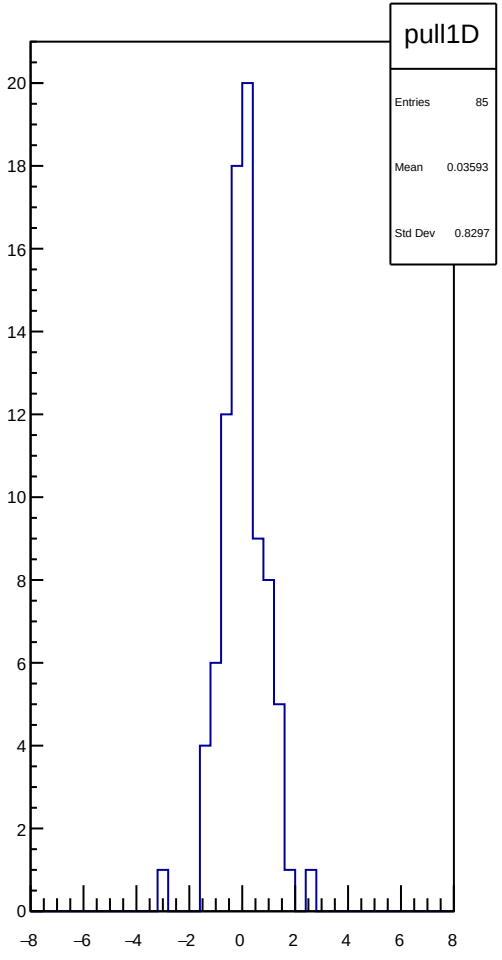

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 86.82 / 84
p0 −39.29 ± 0.0564
pull
Entries 85
Mean −894.1
Std Dev 918.8

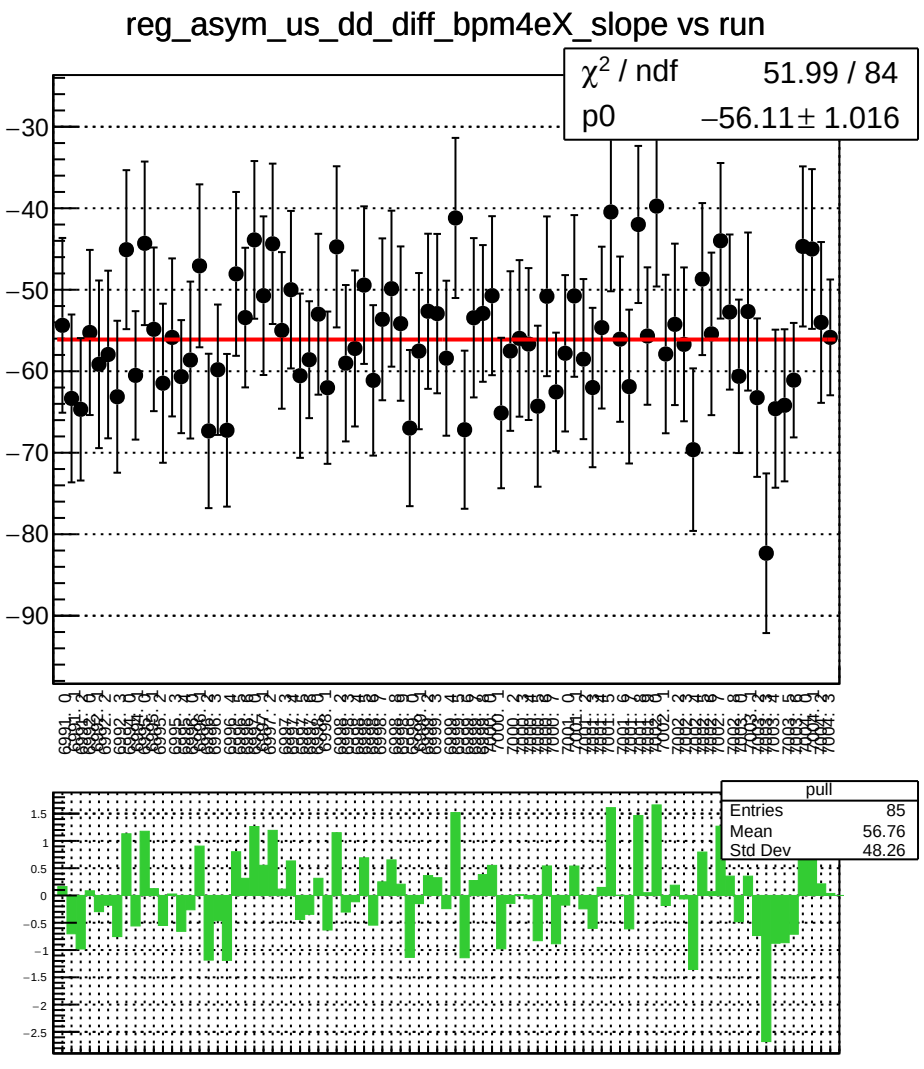

pull1D
Entries 85
Mean 0.006873
Std Dev 1.011

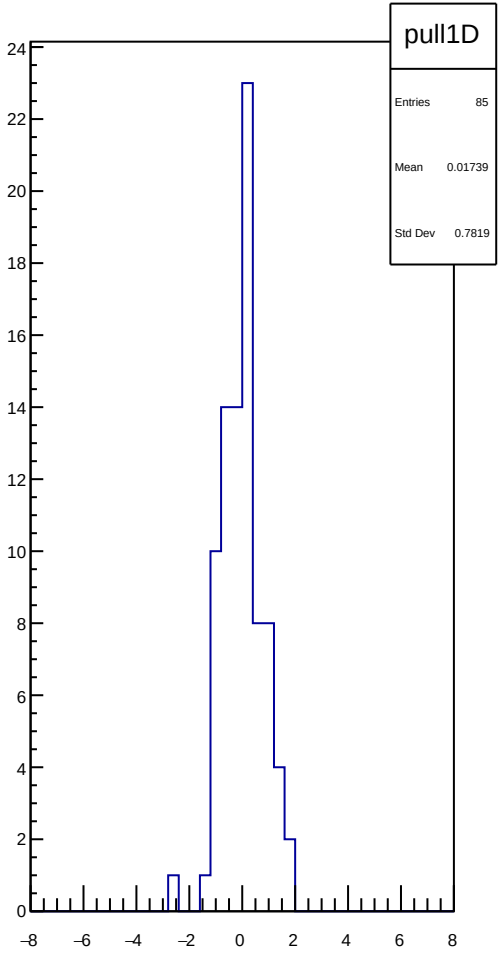

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 52.68 / 84
p0 −3.331 ± 1.101
pull
Entries 85
Mean 13.56
Std Dev 56.38

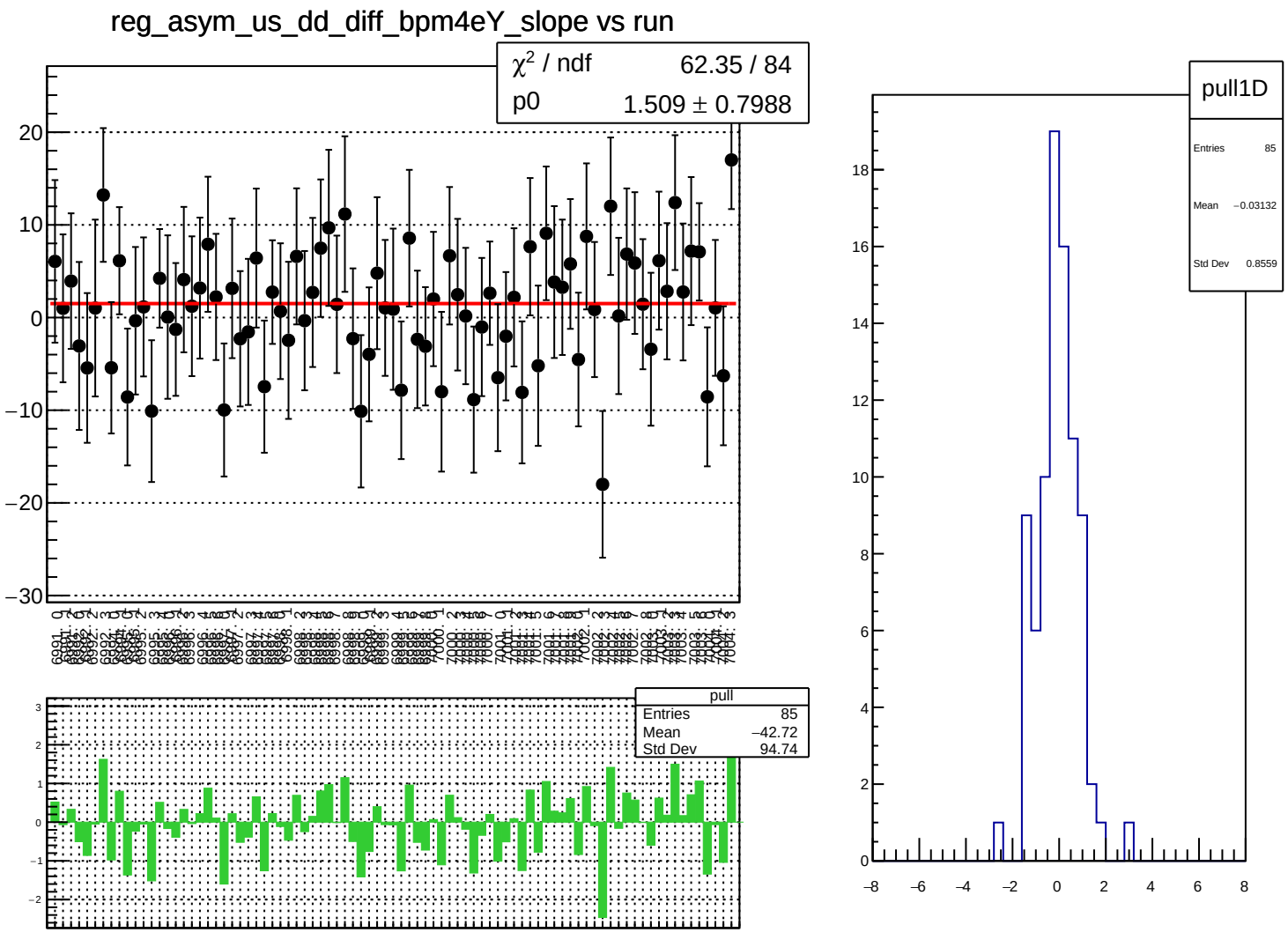

pull1D
Entries 85
Mean −0.01642
Std Dev 0.787

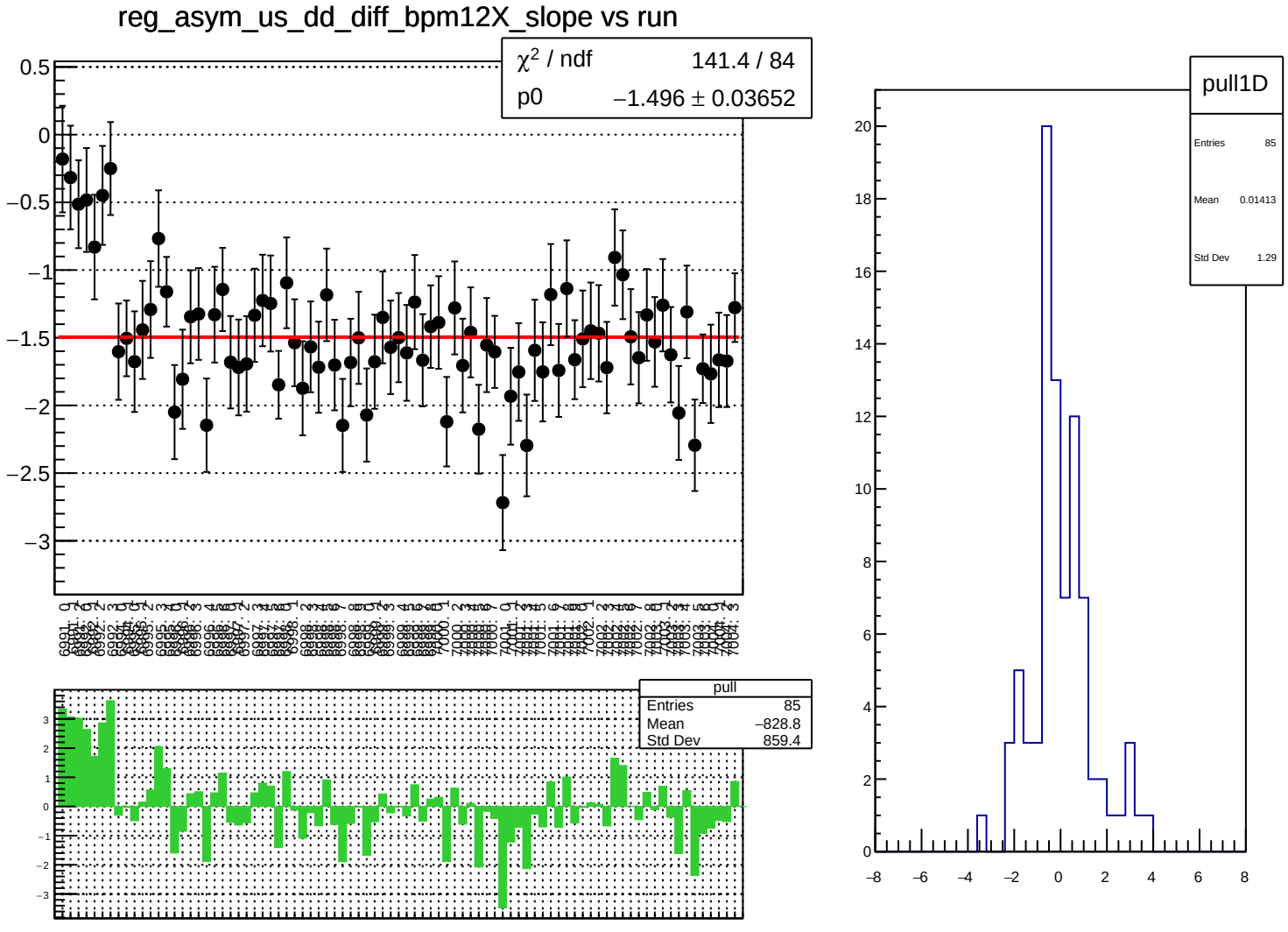

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.62 / 84
p0 −0.1759 ± 0.7581
pull
Entries 85
Mean −14.83
Std Dev 67.28

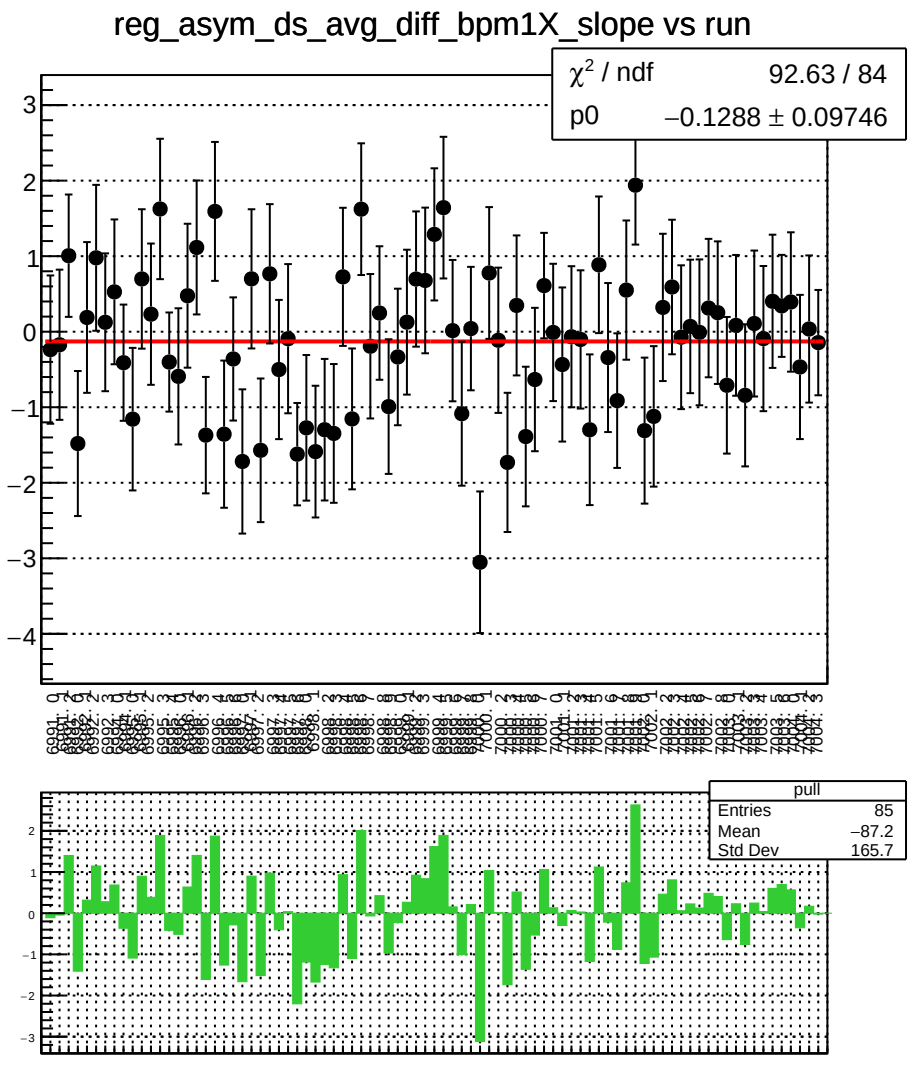

pull1D
Entries 85
Mean 0.03593
Std Dev 0.8297

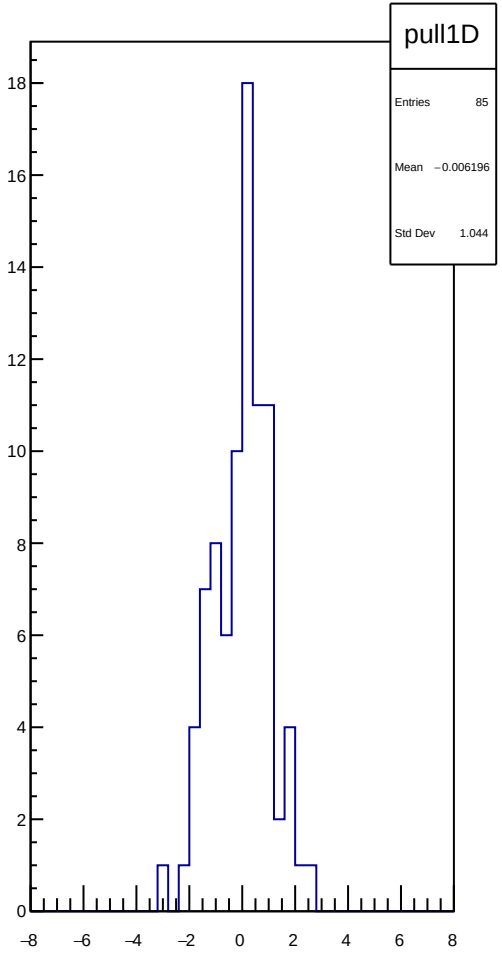

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.99 / 84
p0 −56.11 ± 1.016
−30
−40
−50
−60
−70
−80
−90
pull
Entries 85
Mean 56.76
Std Dev 48.26
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

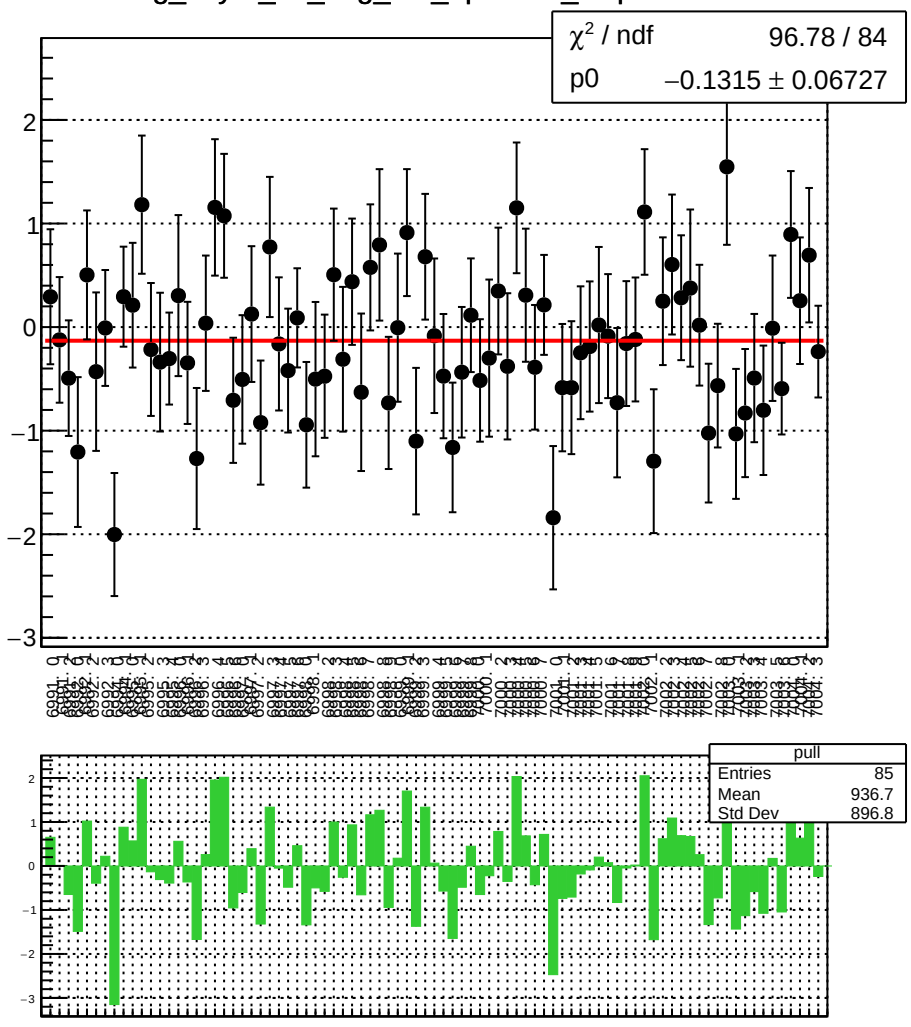

pull1D
Entries 85
Mean 0.01739
Std Dev 0.7819
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

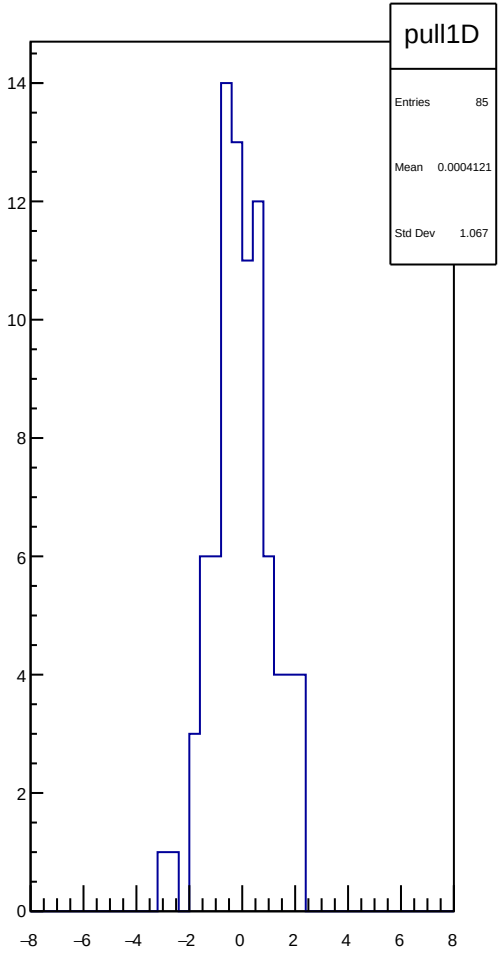

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.35 / 84
p0 1.509 ± 0.7988
pull
Entries 85
Mean −42.72
Std Dev 94.74
pull1D
Entries 85
Mean −0.03132
Std Dev 0.8559

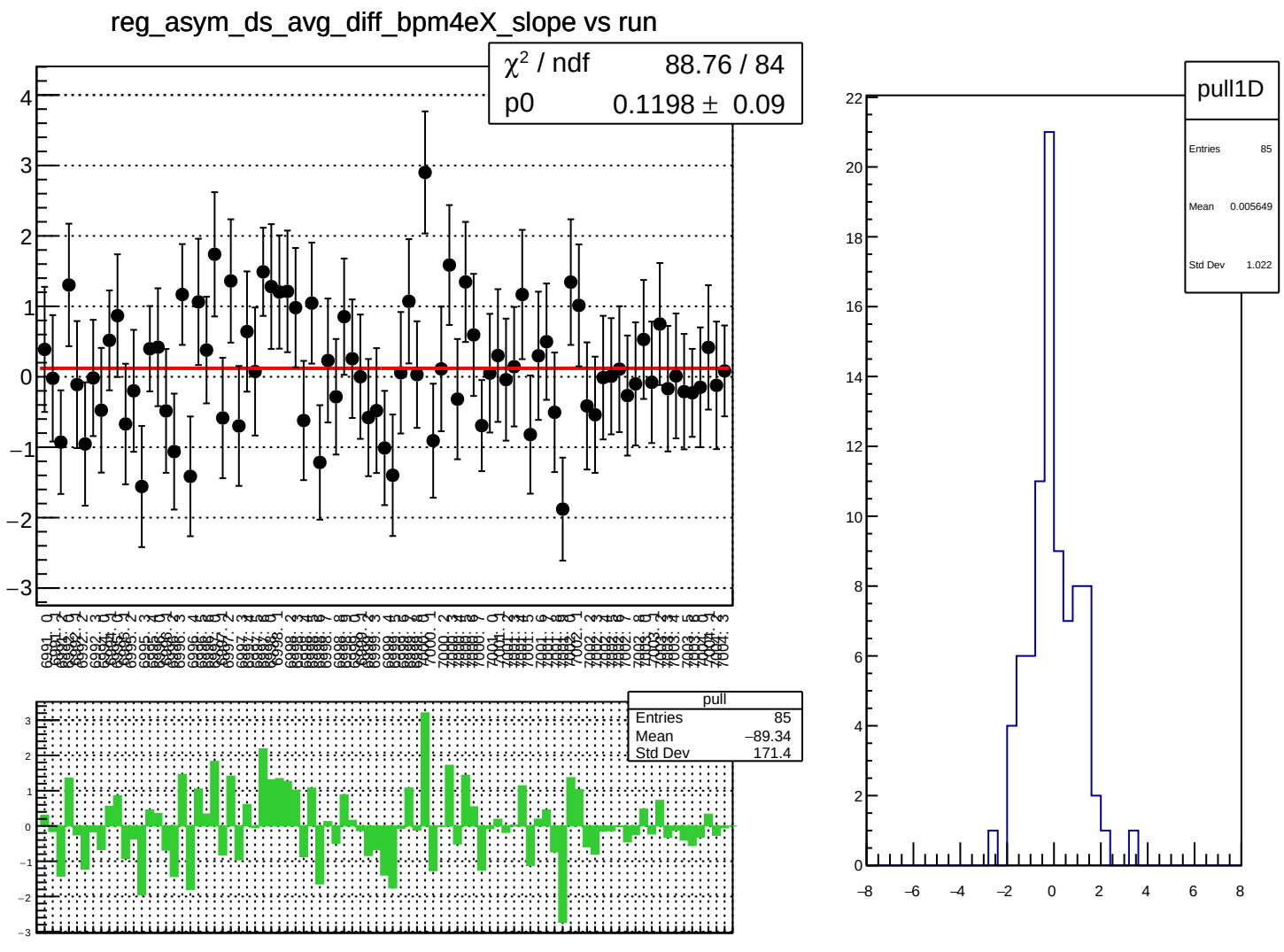

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 141.4 / 84
p0 −1.496 ± 0.03652
pull
Entries 85
Mean −828.8
Std Dev 859.4
pull1D
Entries 85
Mean 0.01413
Std Dev 1.29

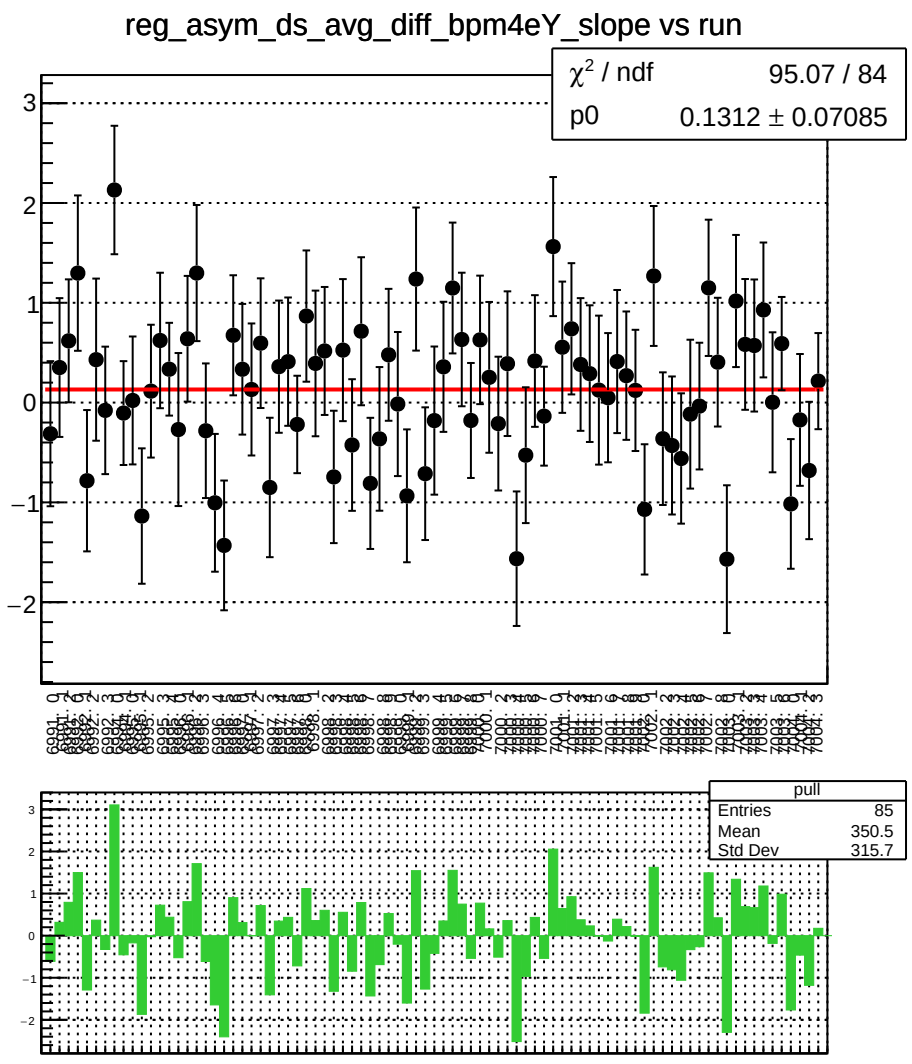

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 92.63 / 84
p0 −0.1288 ± 0.09746
pull
Entries 85
Mean −87.2
Std Dev 165.7

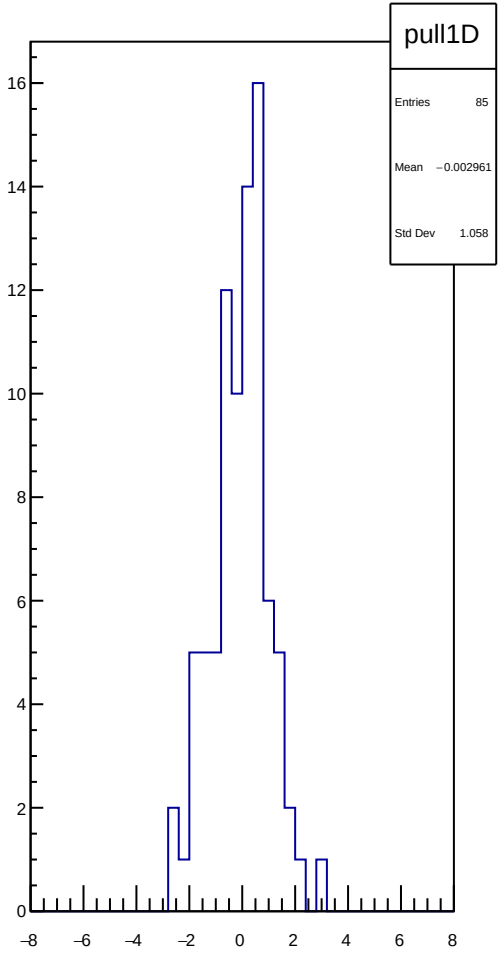

pull1D
Entries 85
Mean −0.006196
Std Dev 1.044

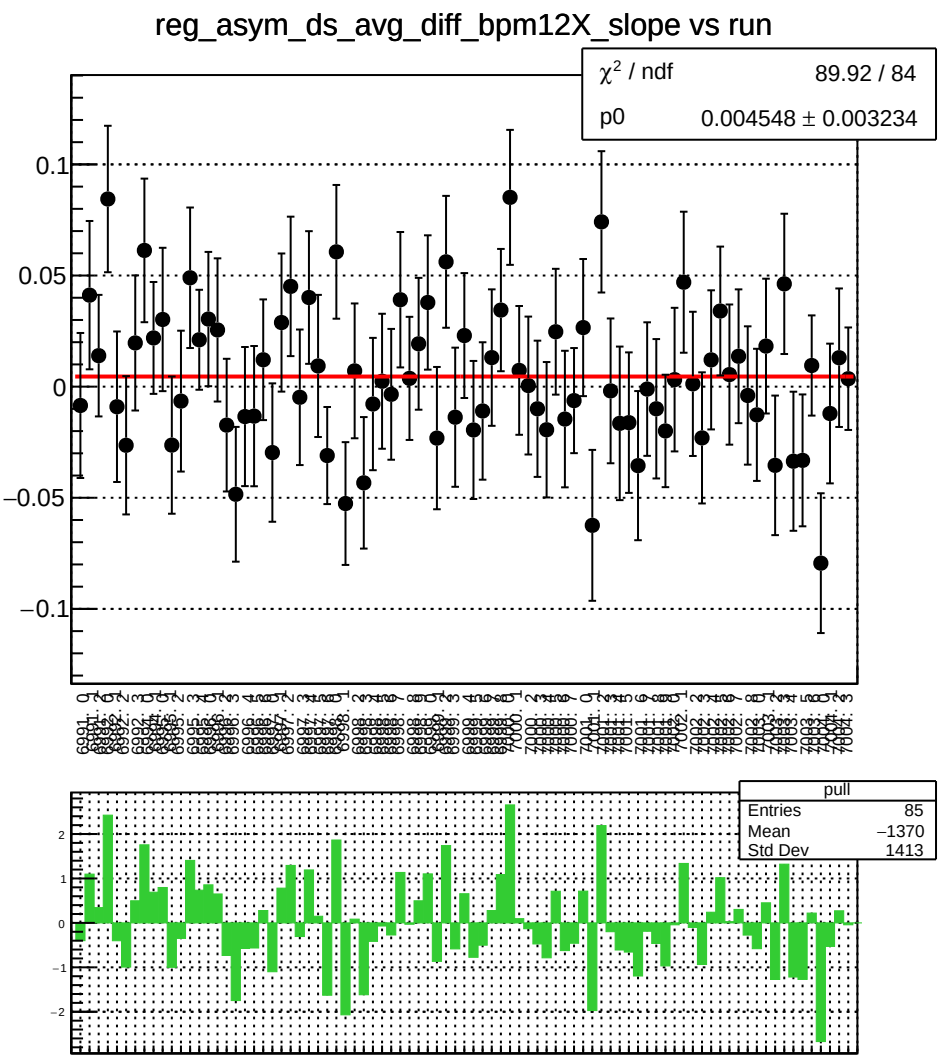

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 96.78 / 84
p0 −0.1315 ± 0.06727
pull
Entries 85
Mean 936.7
Std Dev 896.8

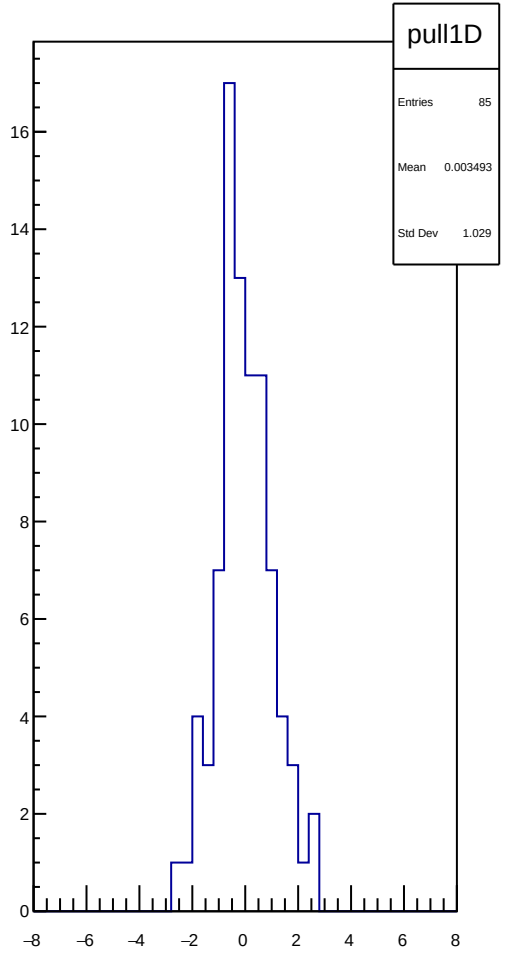

pull1D
Entries 85
Mean 0.0004121
Std Dev 1.067

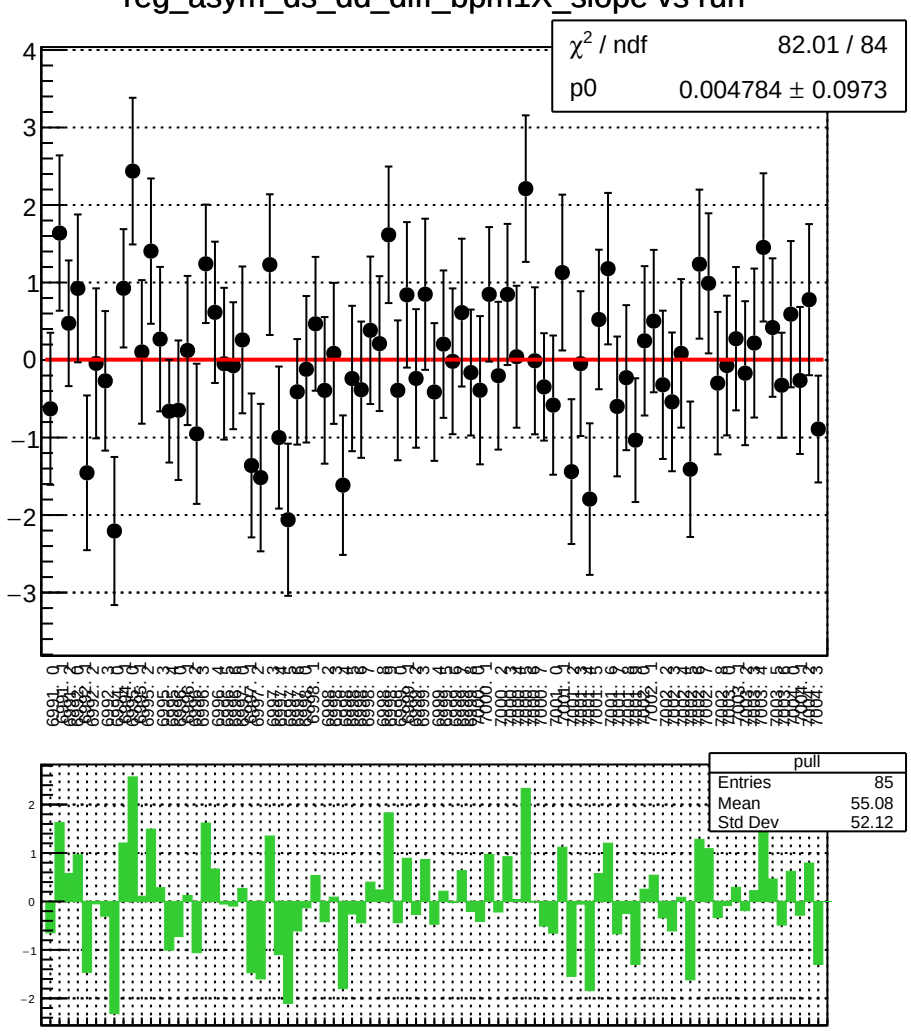

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.76 / 84
p0 0.1198 ± 0.09
pull
Entries 85
Mean −89.34
Std Dev 171.4
pull1D
Entries 85
Mean 0.005649
Std Dev 1.022

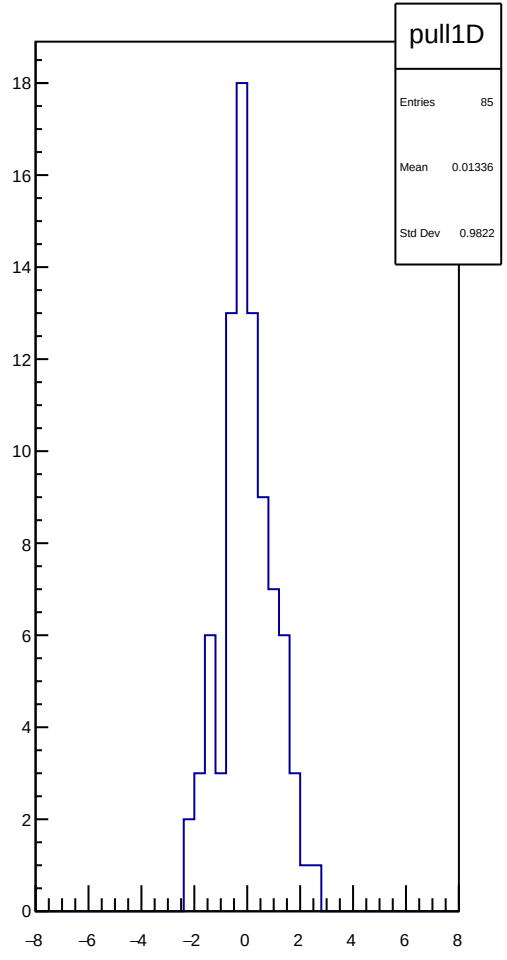

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 95.07 / 84
p0 0.1312 ± 0.07085
pull
Entries 85
Mean 350.5
Std Dev 315.7

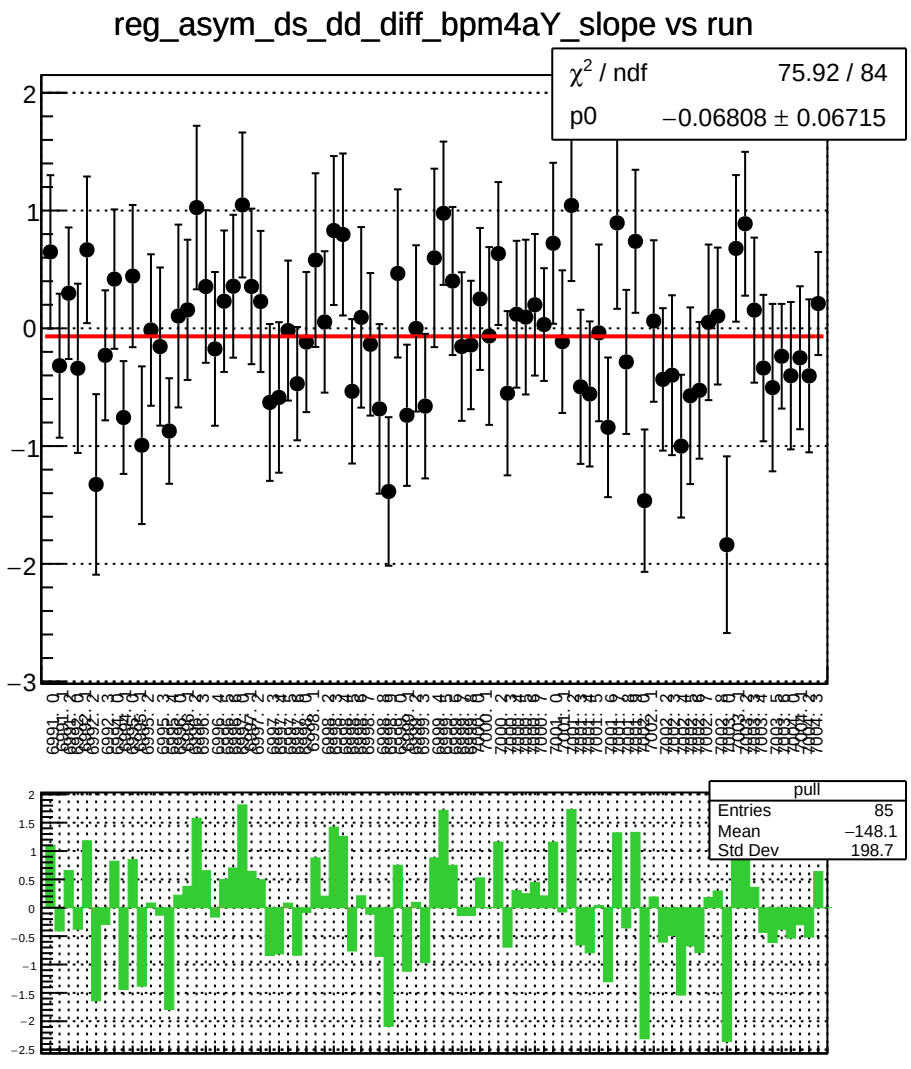

pull1D
Entries 85
Mean −0.002961
Std Dev 1.058

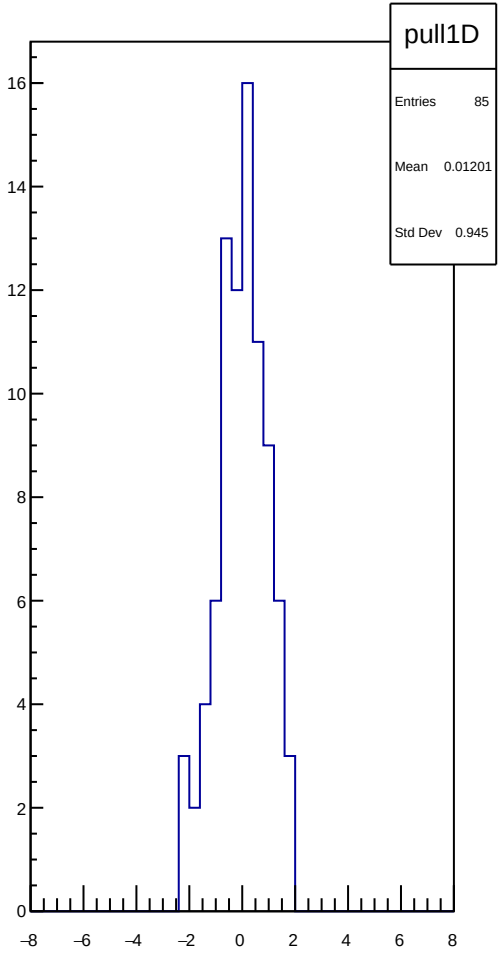

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 89.92 / 84
p0 0.004548 ± 0.003234
0.1
0.05
0
−0.05
−0.1
pull
Entries 85
Mean −1370
Std Dev 1413
2
1
0
−1
−2

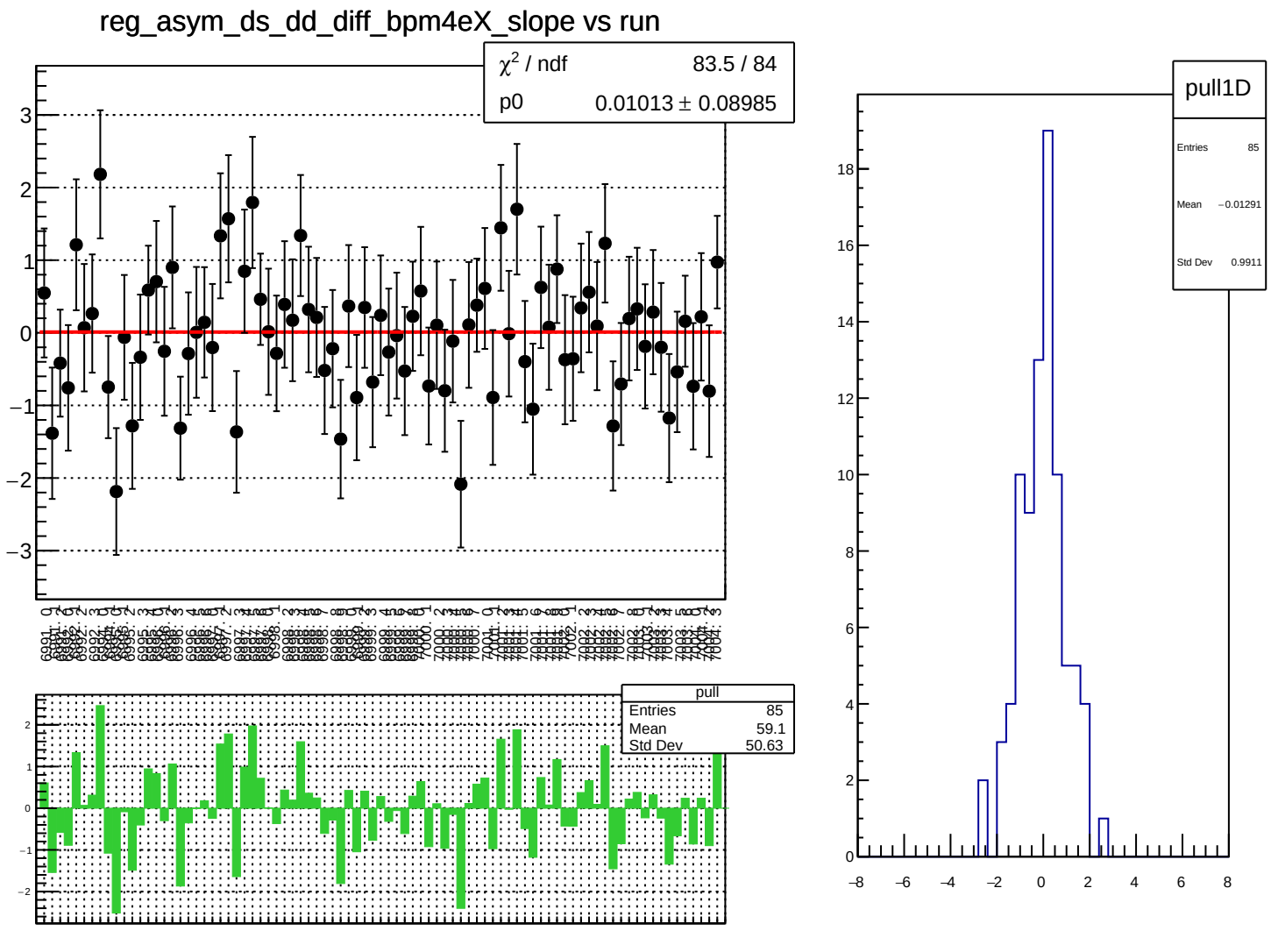

pull1D
Entries 85
Mean 0.003493
Std Dev 1.029
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

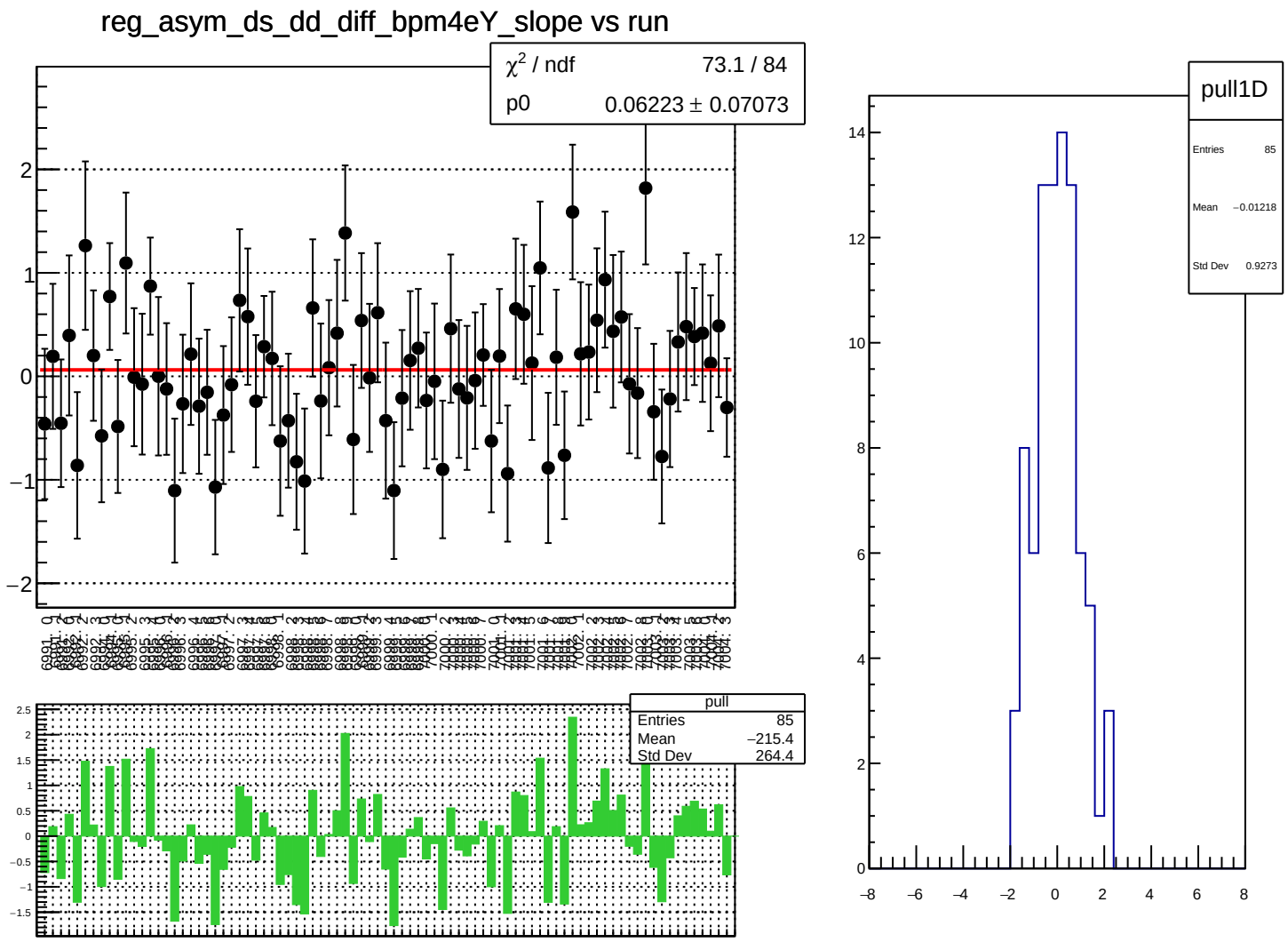

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 82.01 / 84
p0 0.004784 ± 0.0973
pull
Entries 85
Mean 55.08
Std Dev 52.12

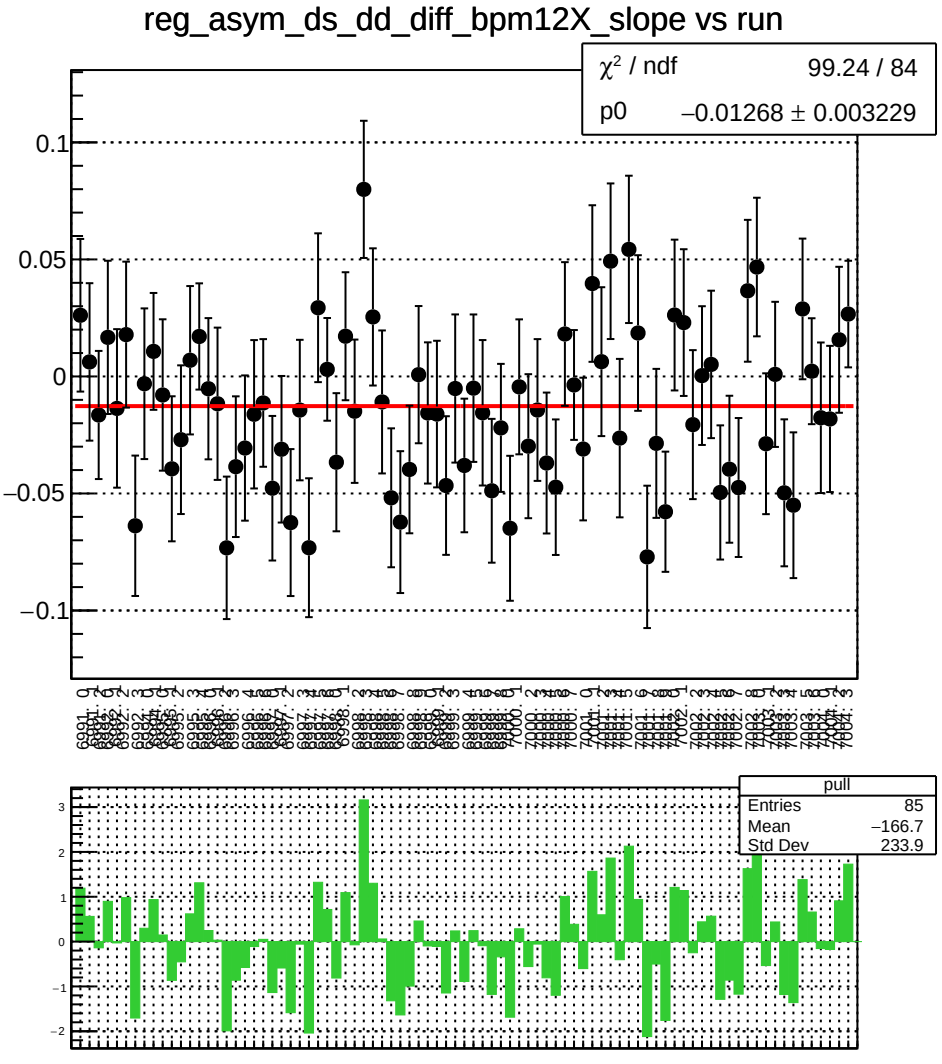

pull1D
Entries 85
Mean 0.01336
Std Dev 0.9822

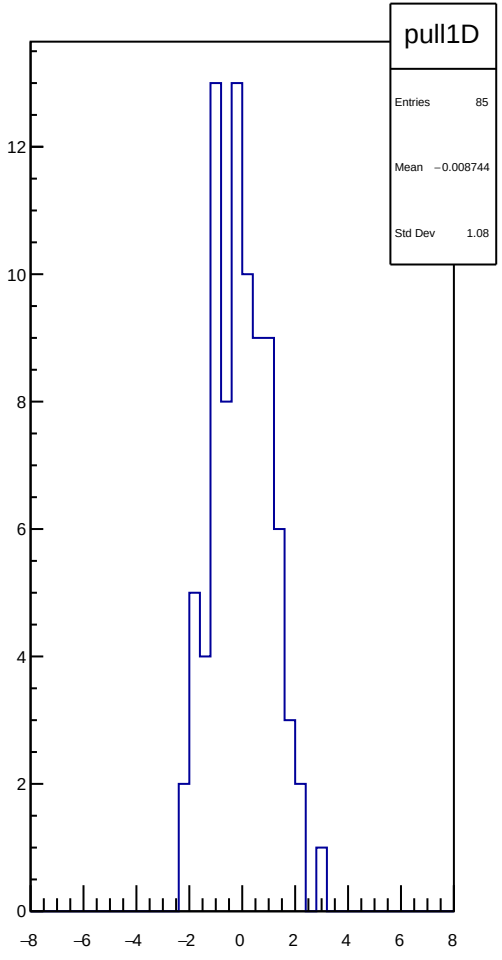

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.92 / 84
p0 −0.06808 ± 0.06715
pull
Entries 85
Mean −148.1
Std Dev 198.7

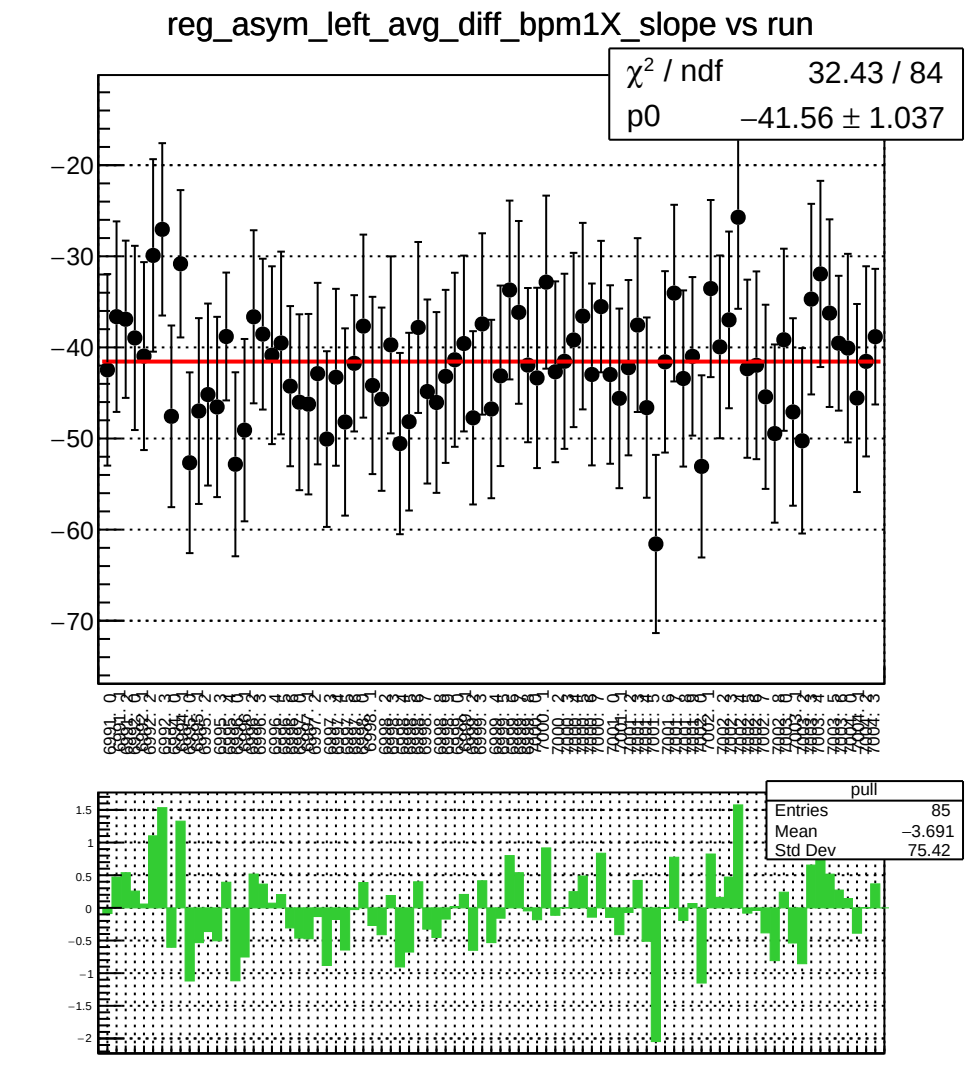

pull1D
Entries 85
Mean 0.01201
Std Dev 0.945

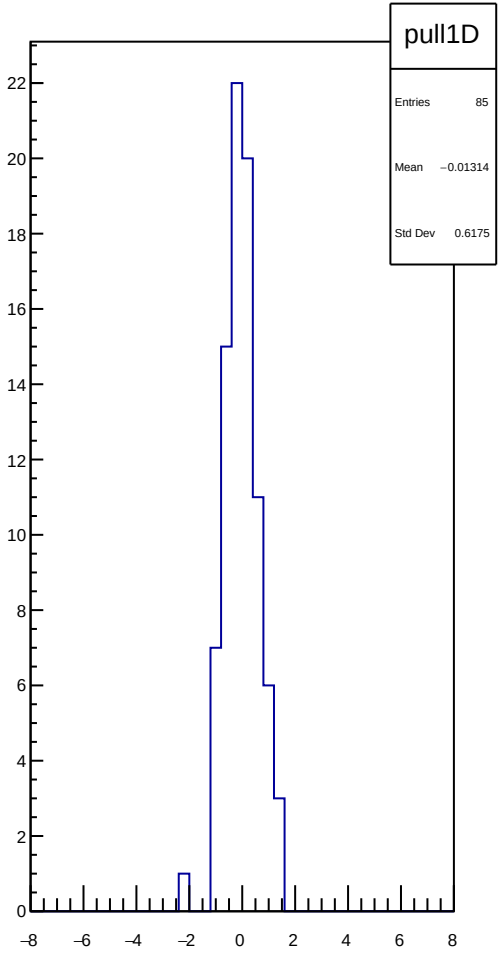

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 83.5 / 84
p0 0.01013 ± 0.08985
pull
Entries 85
Mean 59.1
Std Dev 50.63
pull1D
Entries 85
Mean −0.01291
Std Dev 0.9911

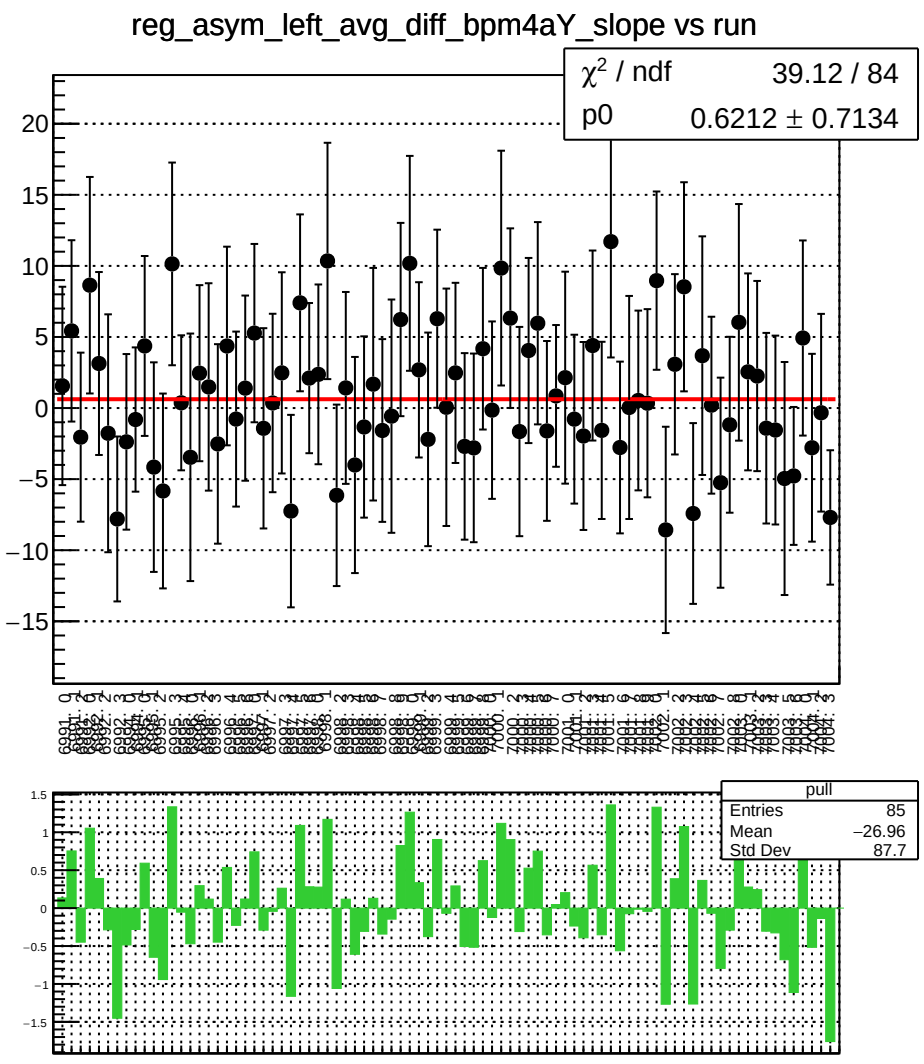

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 73.1 / 84
p0 0.06223 ± 0.07073
pull
Entries 85
Mean −215.4
Std Dev 264.4
pull1D
Entries 85
Mean −0.01218
Std Dev 0.9273

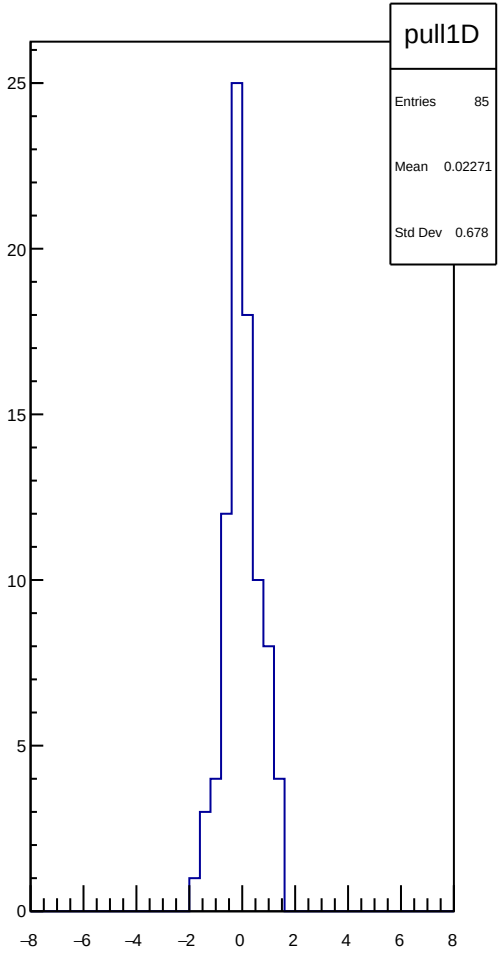

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 99.24 / 84
p0 −0.01268 ± 0.003229
0.1
0.05
0
−0.05
−0.1
pull
Entries 85
Mean −166.7
Std Dev 233.9
3
2
1
0
−1
−2

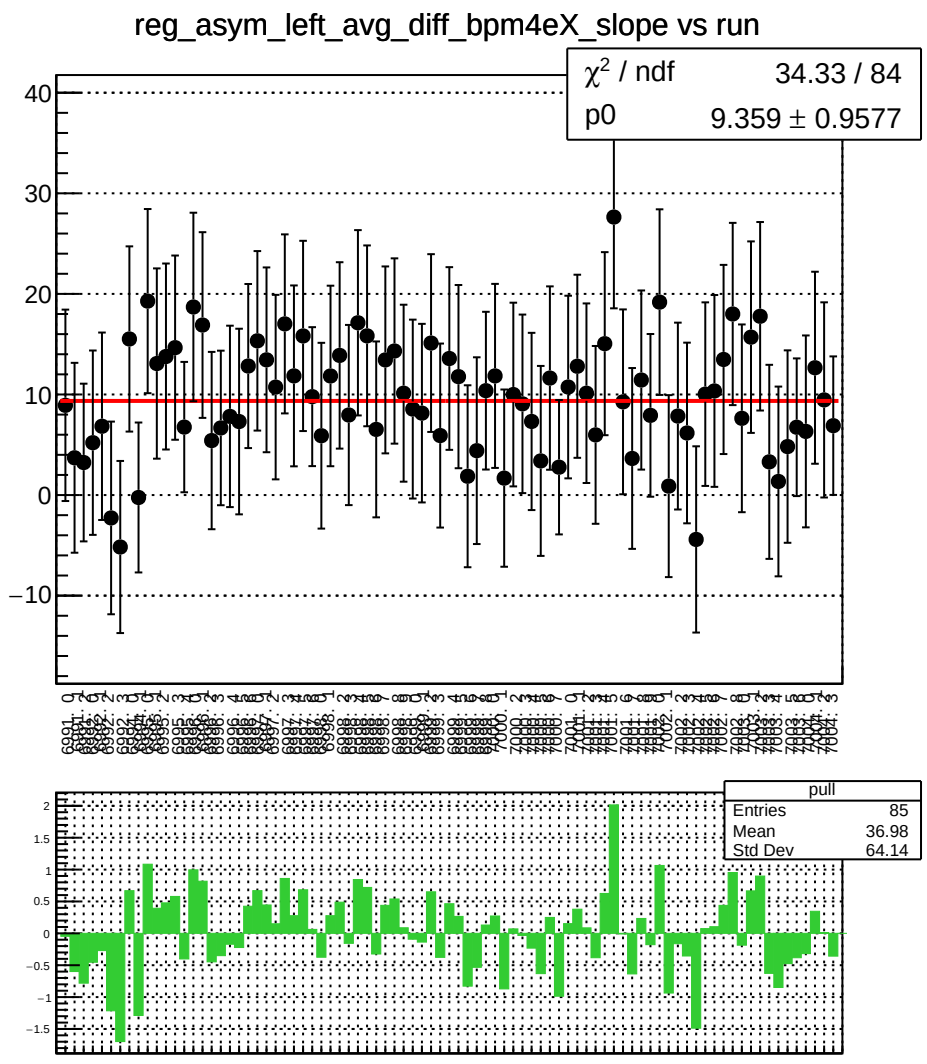

pull1D
Entries 85
Mean −0.008744
Std Dev 1.08
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

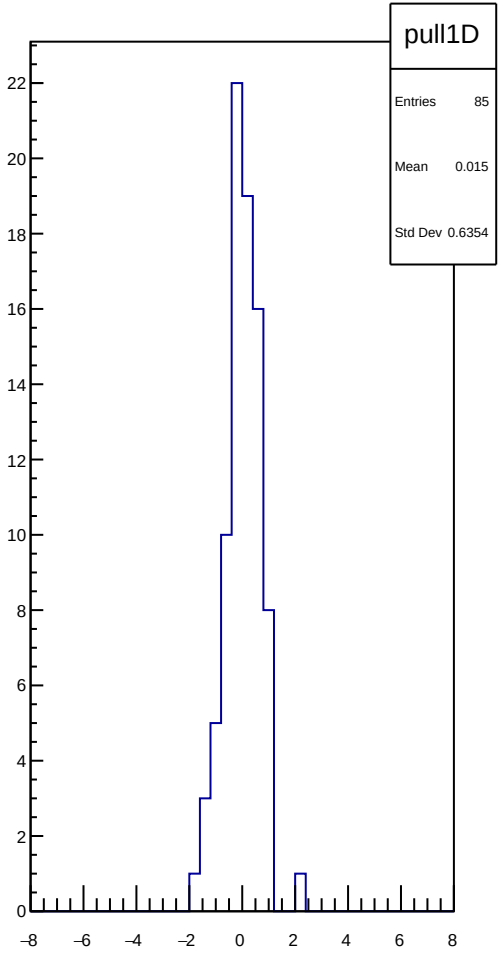

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 32.43 / 84
p0 −41.56 ± 1.037
pull
Entries 85
Mean −3.691
Std Dev 75.42

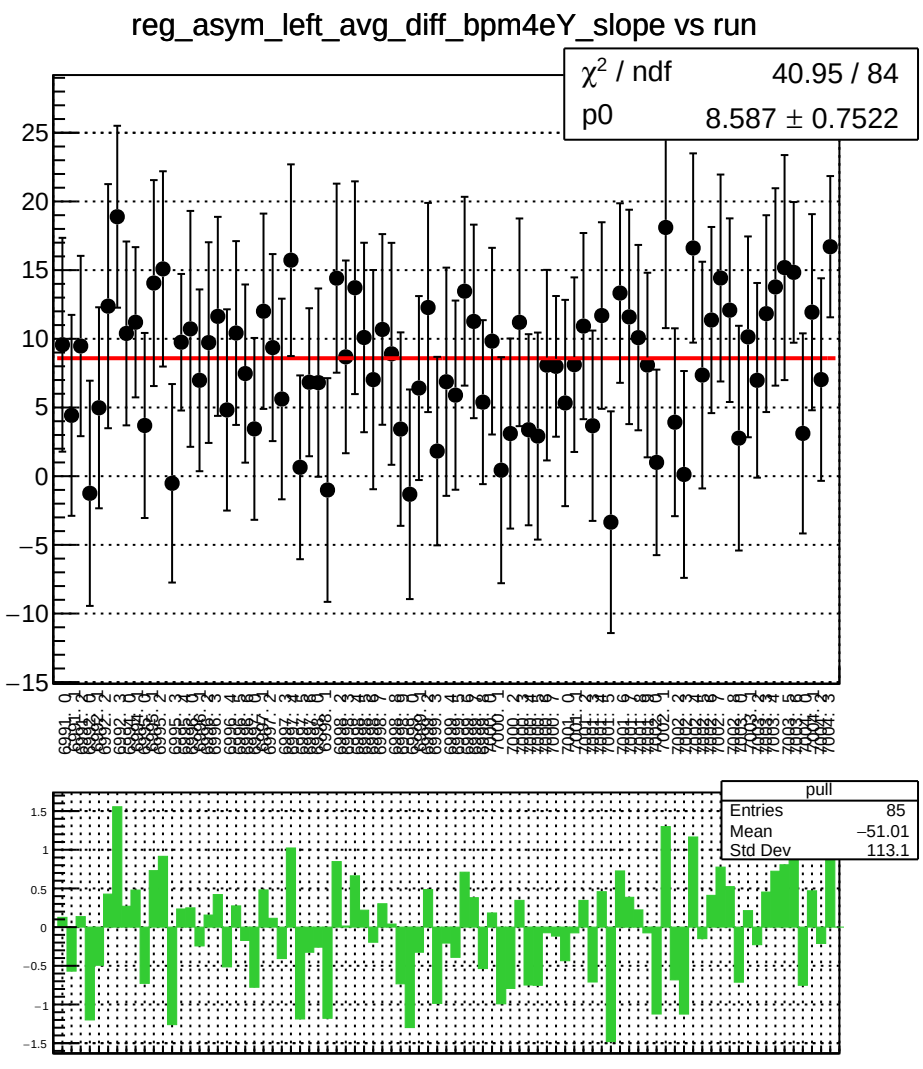

pull1D
Entries 85
Mean −0.01314
Std Dev 0.6175

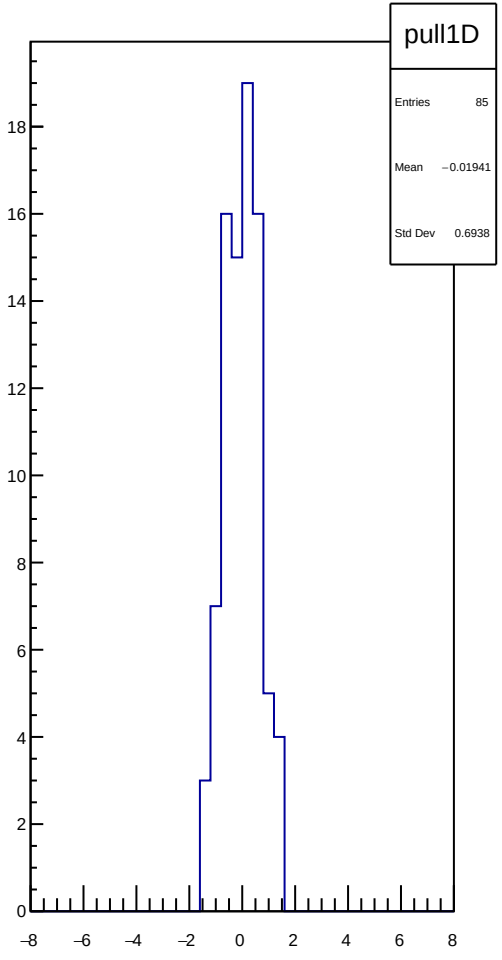

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.12 / 84
p0 0.6212 ± 0.7134
pull
Entries 85
Mean −26.96
Std Dev 87.7

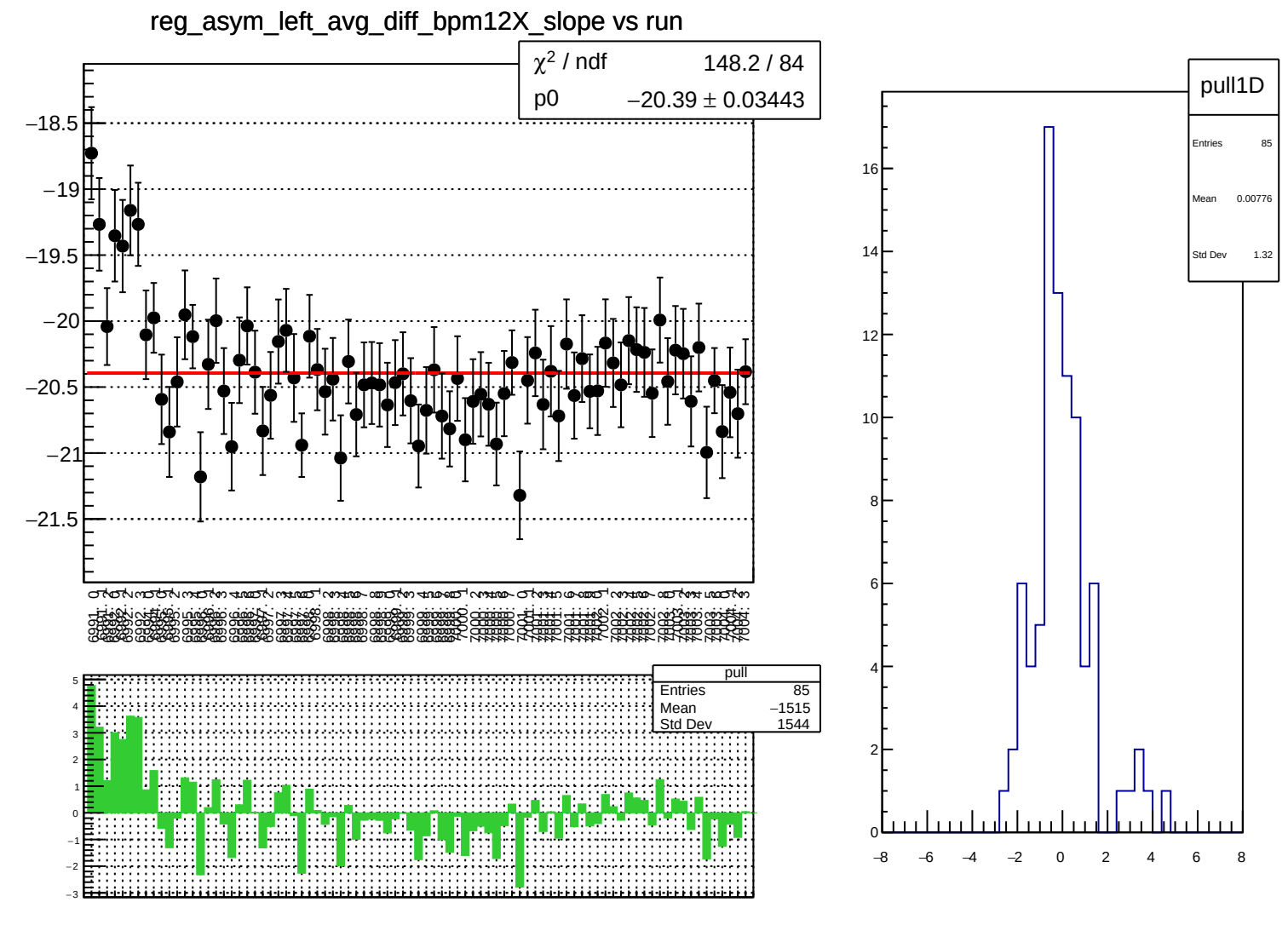

pull1D
Entries 85
Mean 0.02271
Std Dev 0.678

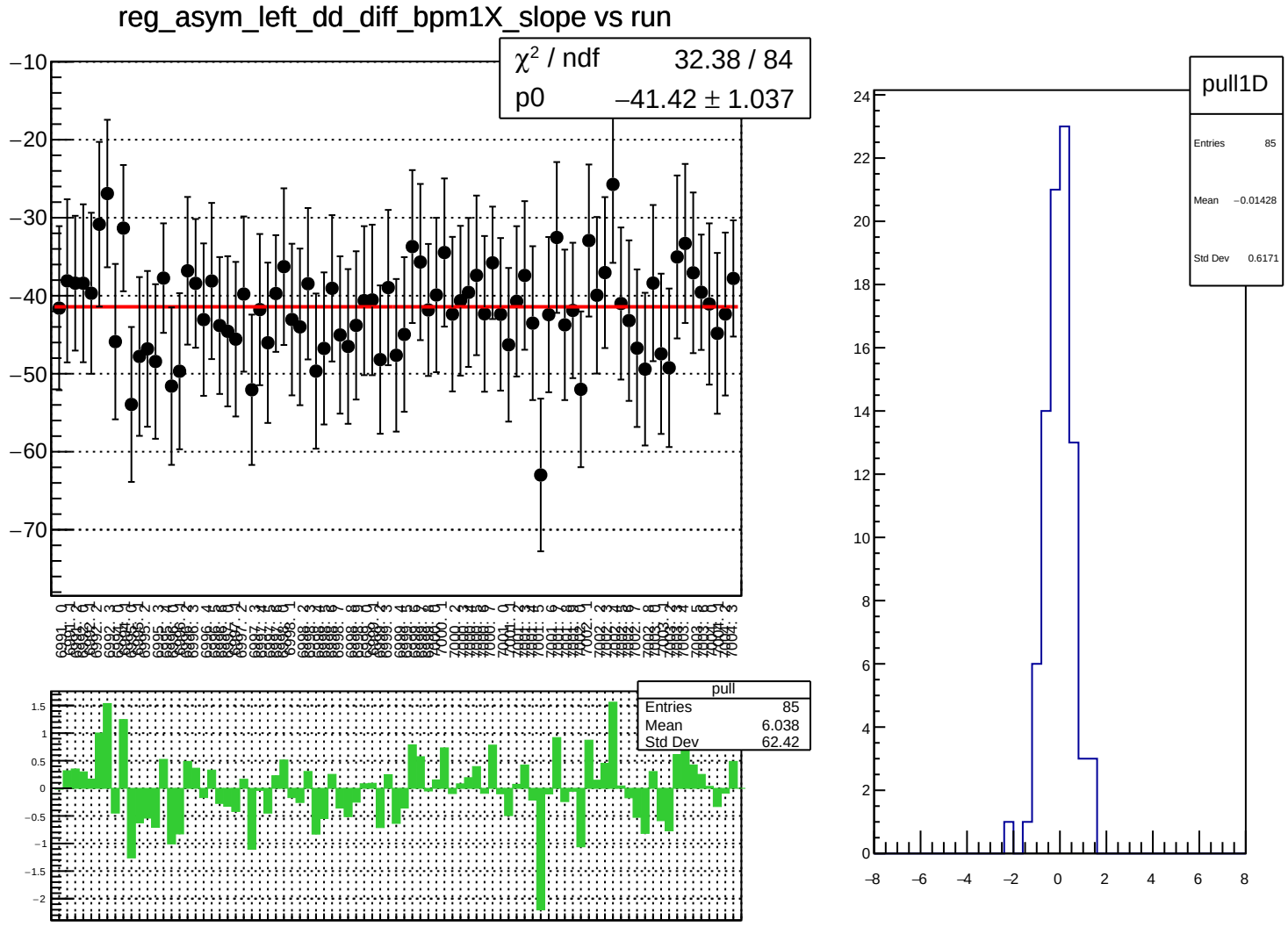

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.33 / 84
p0 9.359 ± 0.9577
pull
Entries 85
Mean 36.98
Std Dev 64.14

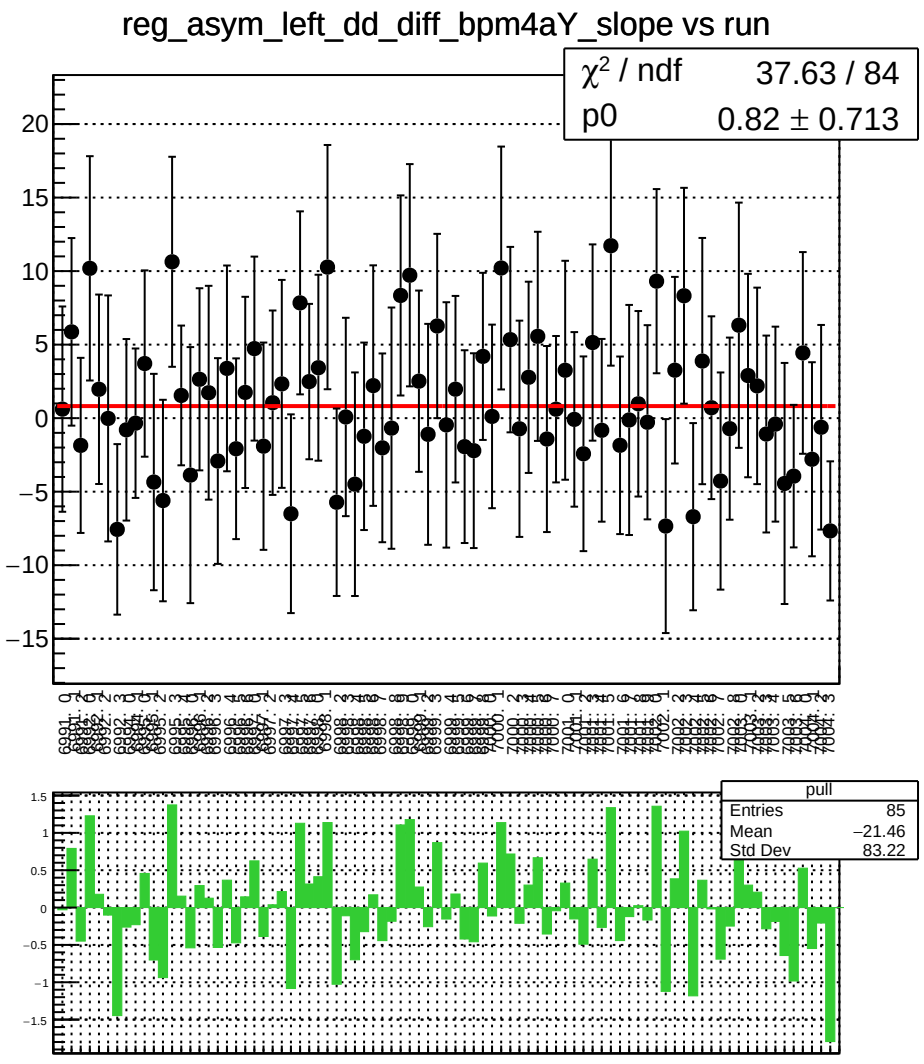

pull1D
Entries 85
Mean 0.015
Std Dev 0.6354

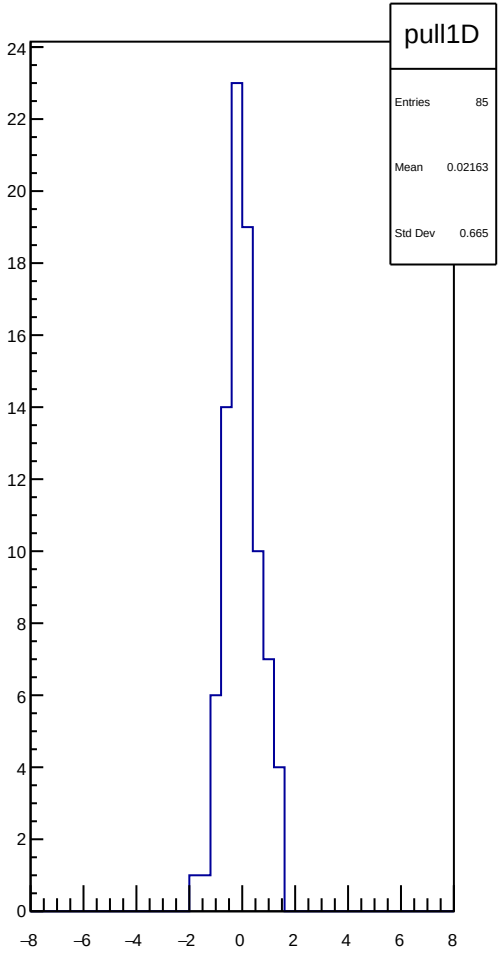

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 40.95 / 84
p0 8.587 ± 0.7522
pull
Entries 85
Mean −51.01
Std Dev 113.1

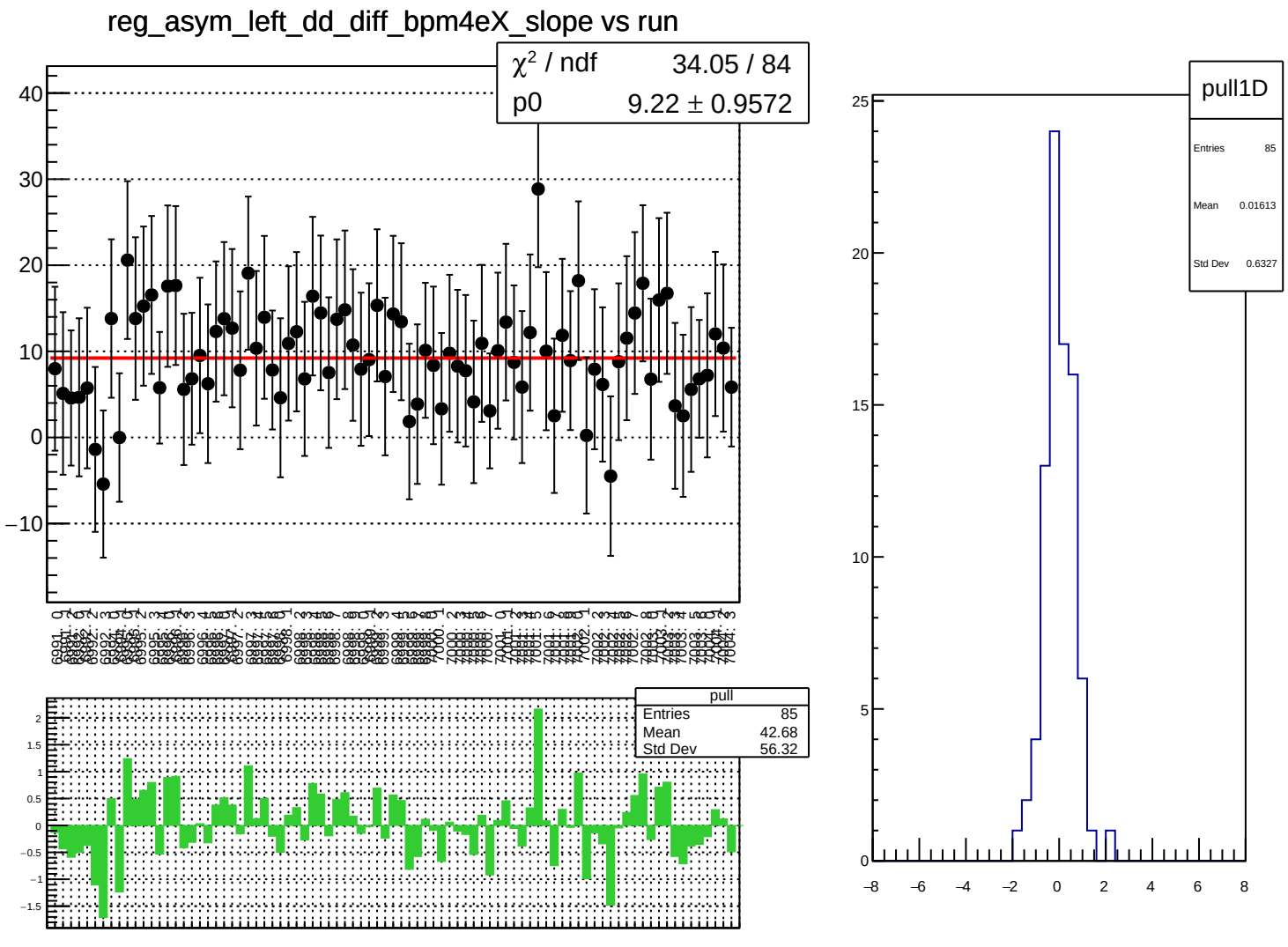

pull1D
Entries 85
Mean −0.01941
Std Dev 0.6938

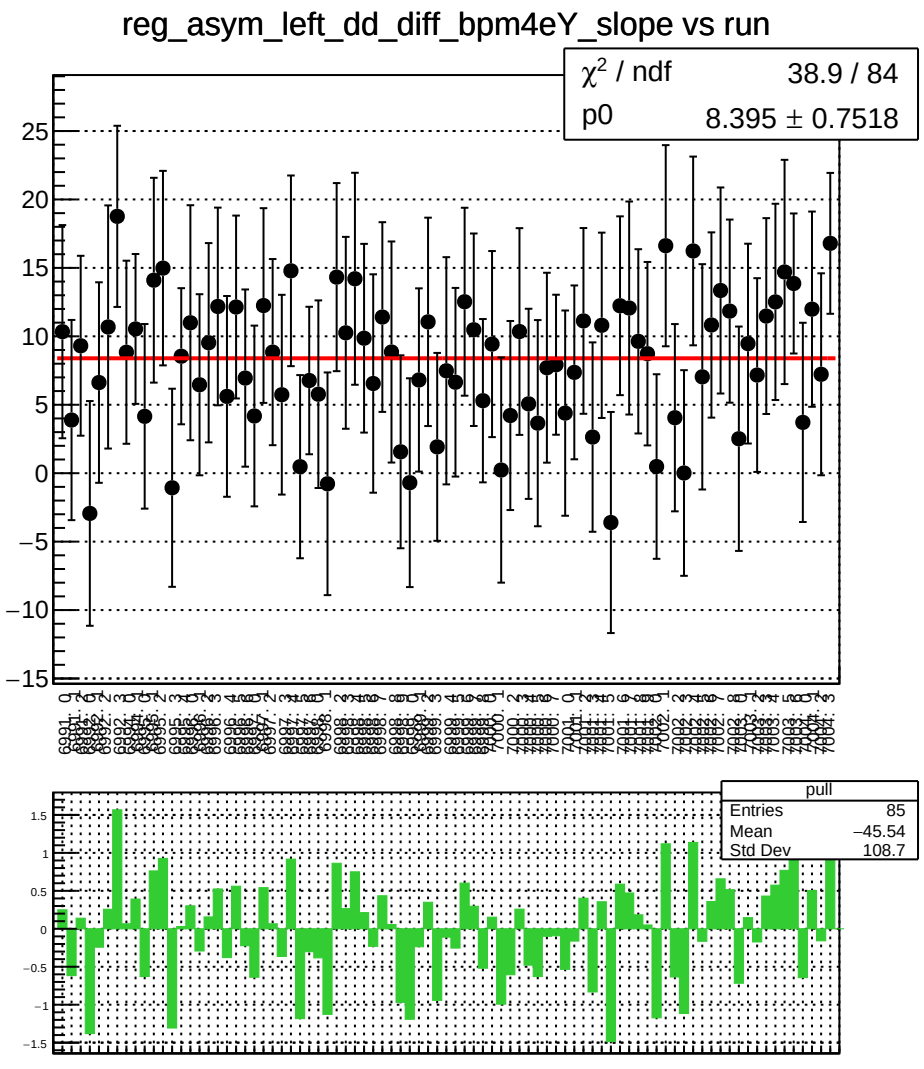

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 148.2 / 84
p0 −20.39 ± 0.03443
pull
Entries 85
Mean −1515
Std Dev 1544
pull1D
Entries 85
Mean 0.00776
Std Dev 1.32

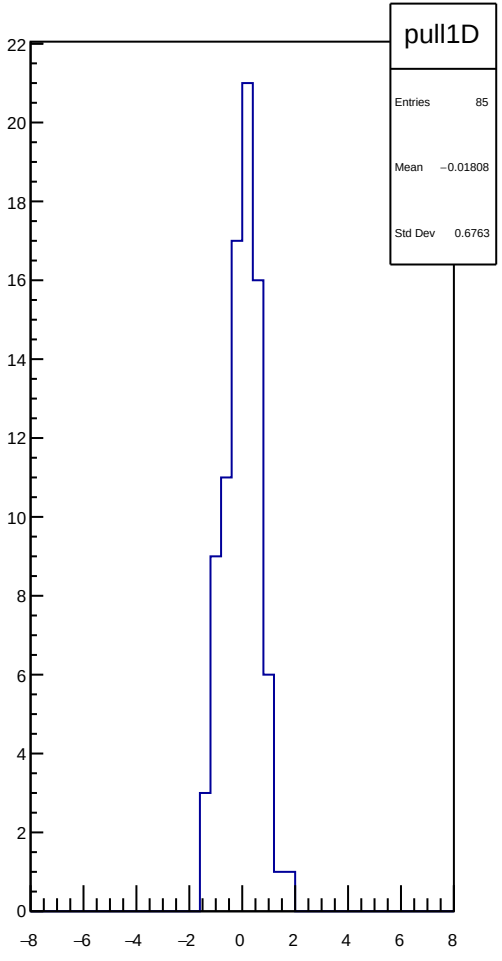

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 32.38 / 84
p0 −41.42 ± 1.037
pull
Entries 85
Mean 6.038
Std Dev 62.42
pull1D
Entries 85
Mean −0.01428
Std Dev 0.6171

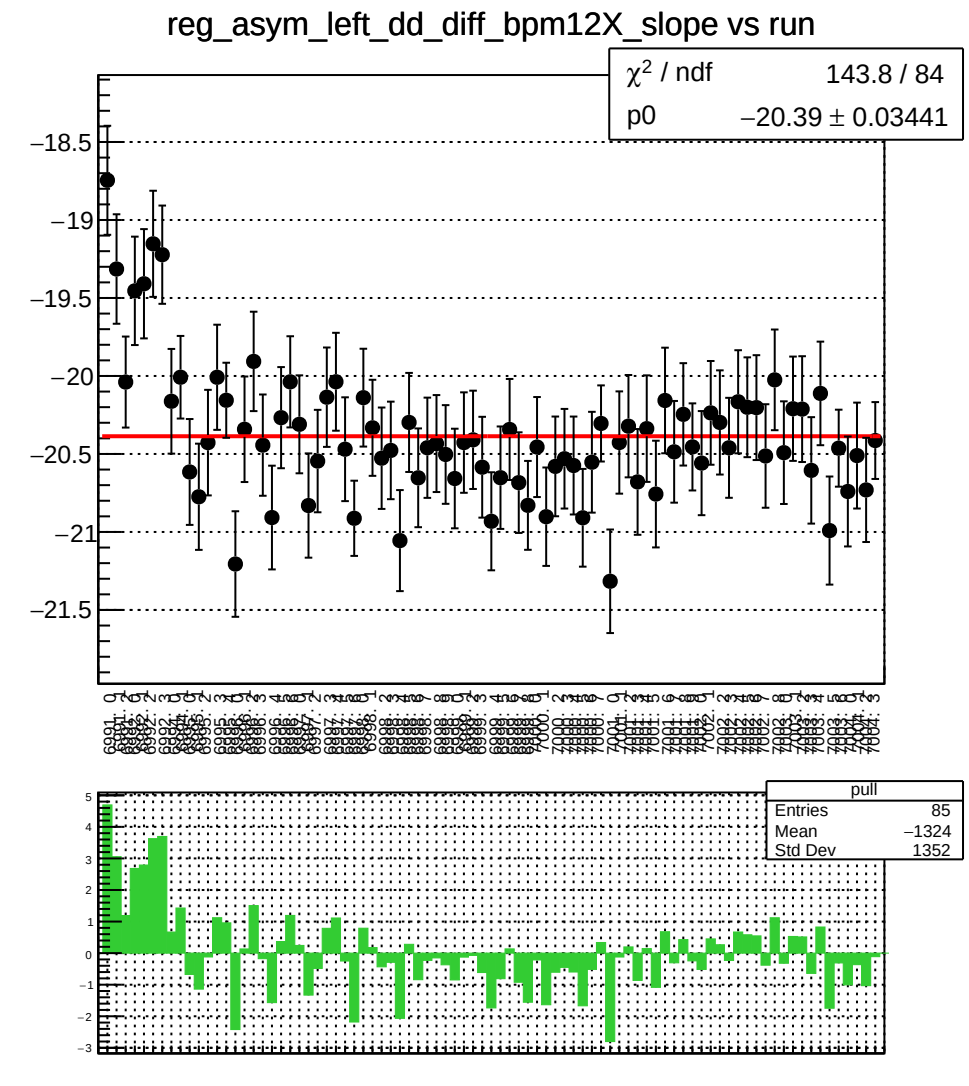

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 37.63 / 84
p0 0.82 ± 0.713
pull
Entries 85
Mean −21.46
Std Dev 83.22

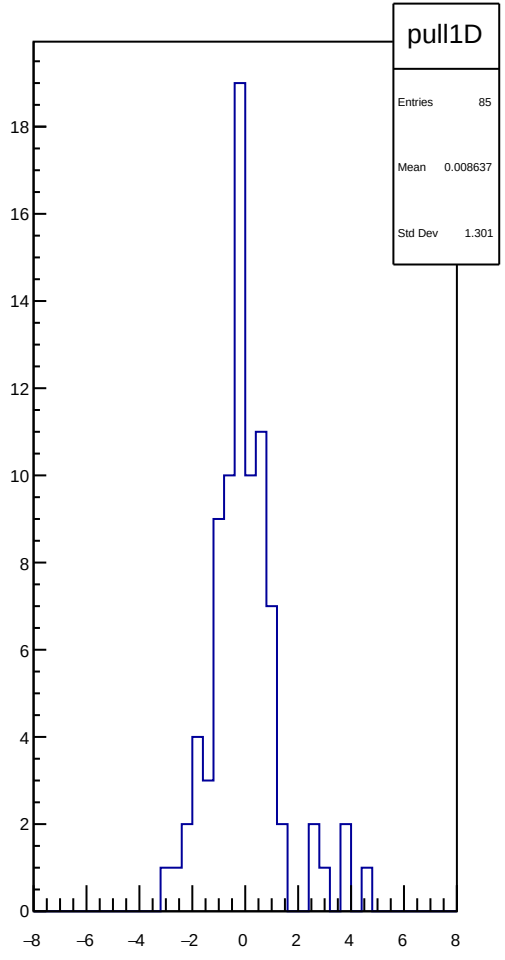

pull1D
Entries 85
Mean 0.02163
Std Dev 0.665

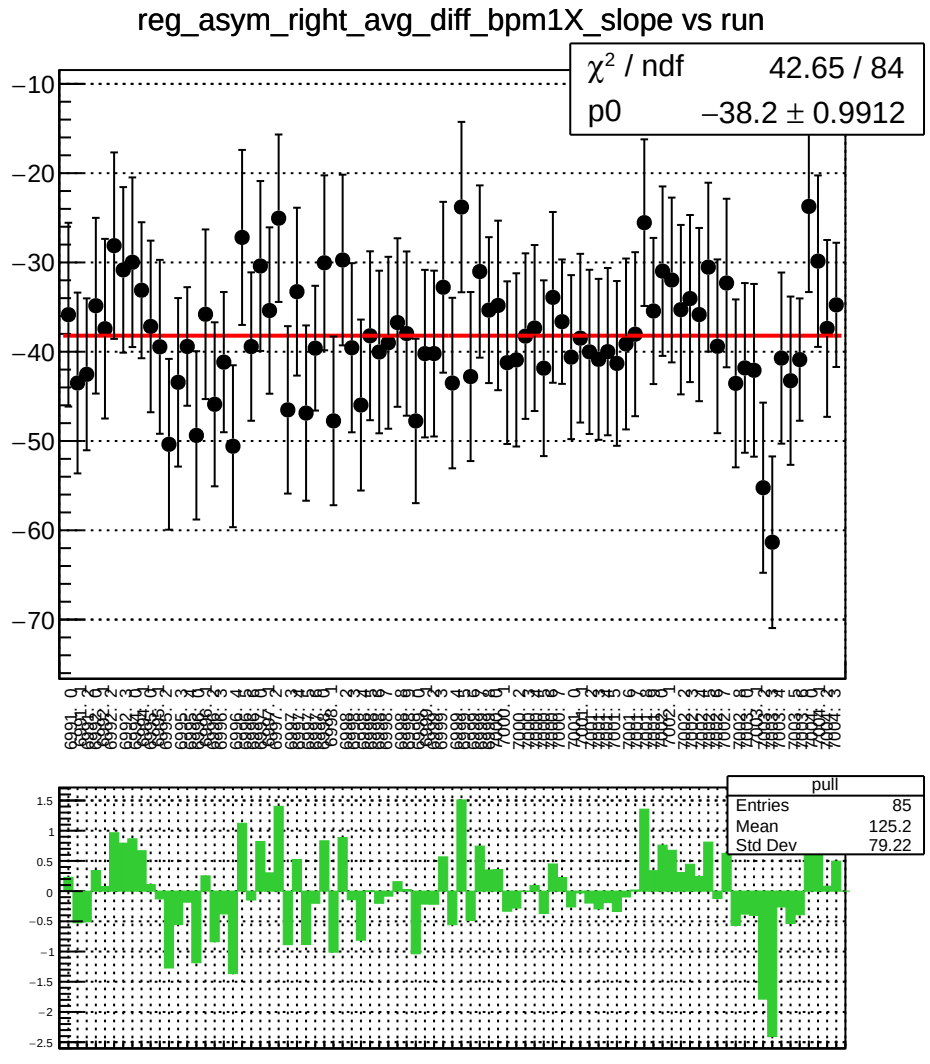

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.05 / 84
p0 9.22 ± 0.9572
pull
Entries 85
Mean 42.68
Std Dev 56.32
pull1D
Entries 85
Mean 0.01613
Std Dev 0.6327

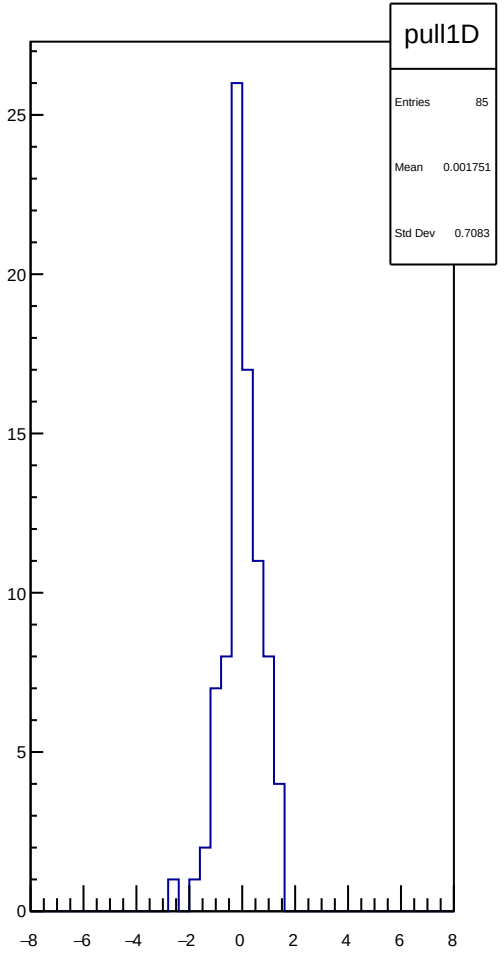

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.9 / 84
p0 8.395 ± 0.7518
pull
Entries 85
Mean −45.54
Std Dev 108.7

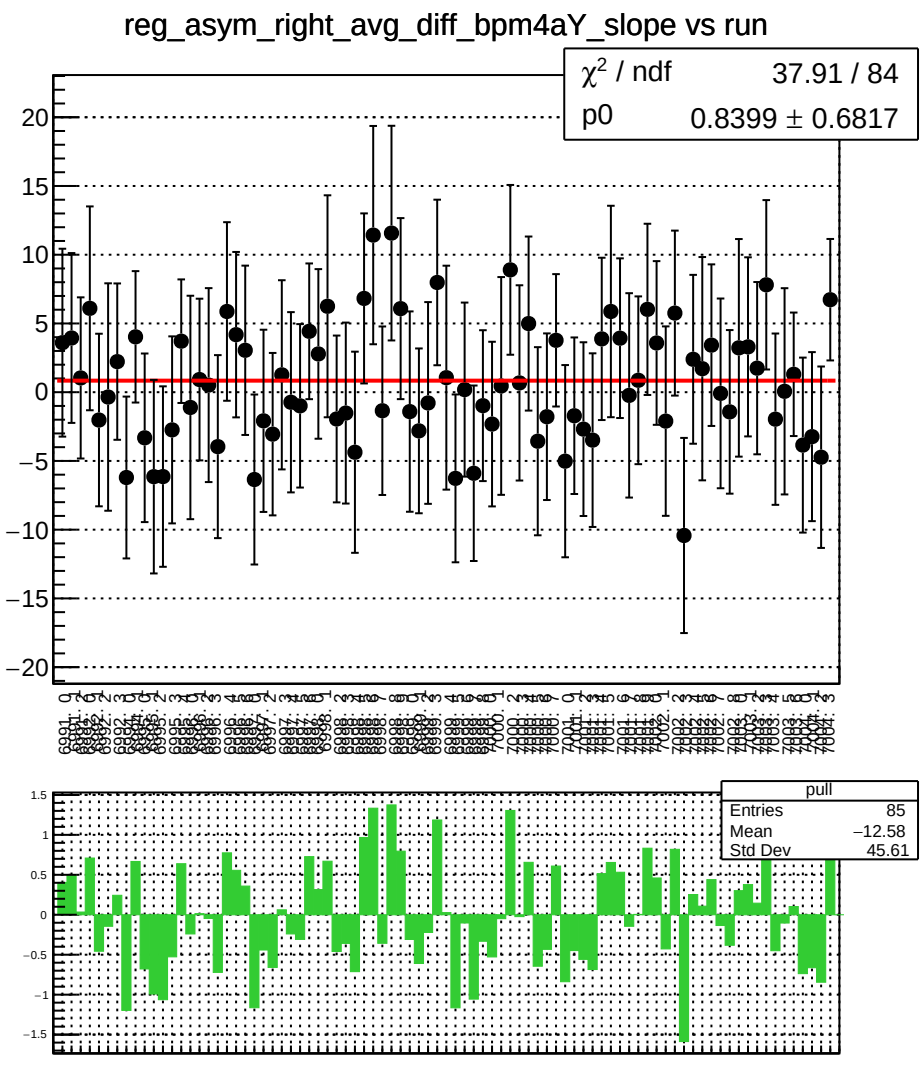

pull1D
Entries 85
Mean −0.01808
Std Dev 0.6763

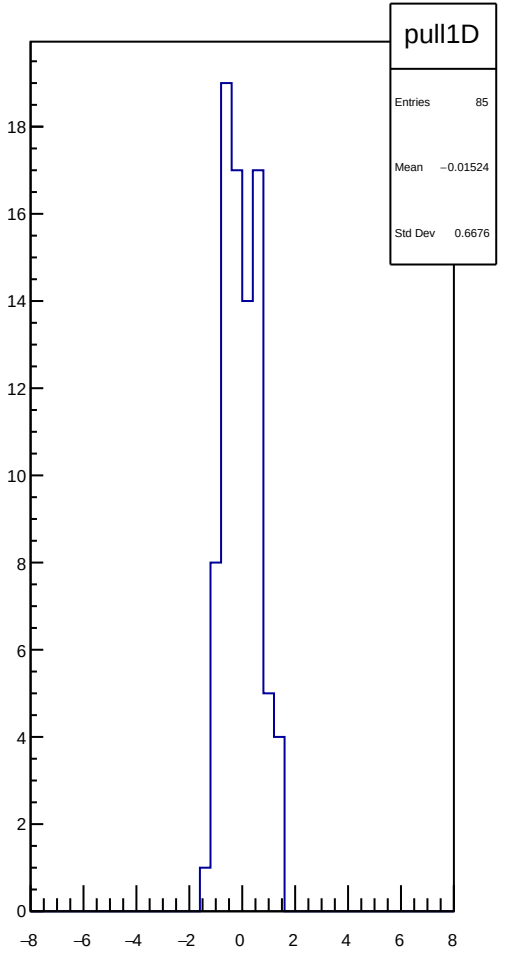

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 143.8 / 84
p0 −20.39 ± 0.03441
−18.5
−19
−19.5
−20
−20.5
−21
−21.5
pull
Entries 85
Mean −1324
Std Dev 1352
5
4
3
2
1
0
−1
−2
−3

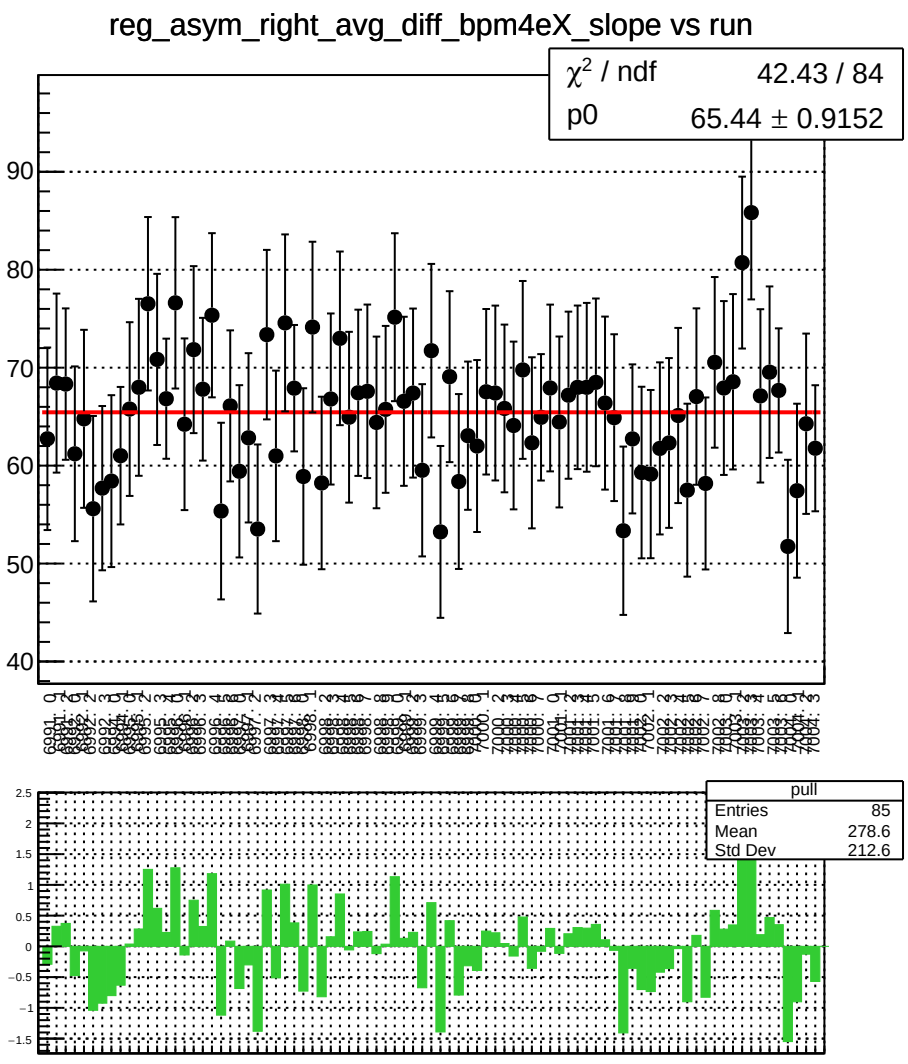

pull1D
Entries 85
Mean 0.008637
Std Dev 1.301
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

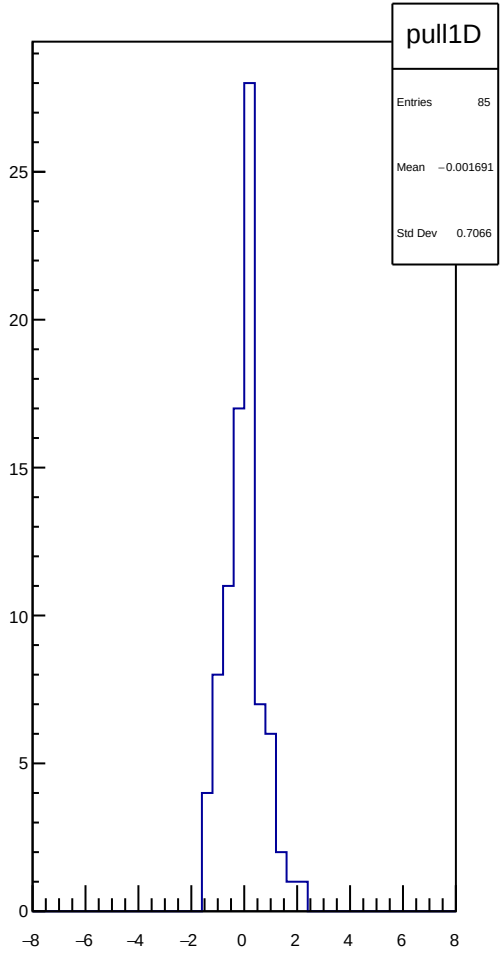

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 42.65 / 84
p0 −38.2 ± 0.9912
pull
Entries 85
Mean 125.2
Std Dev 79.22

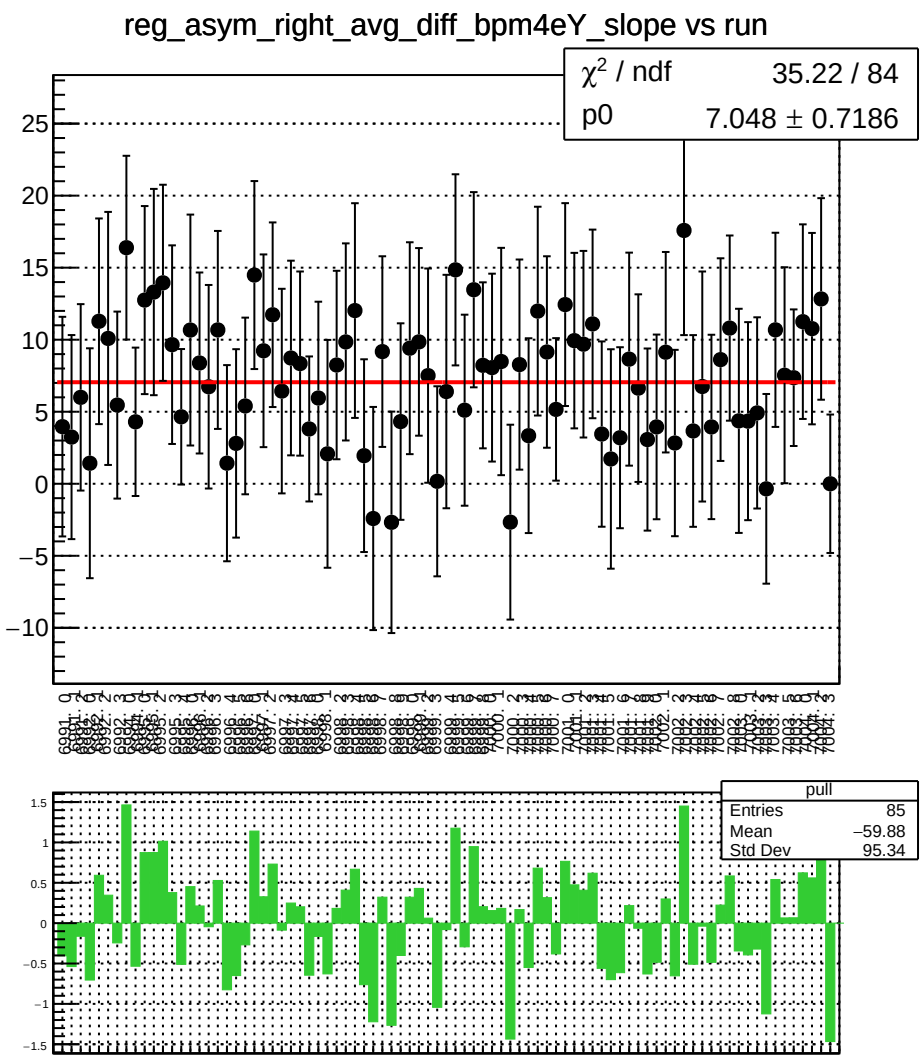

pull1D
Entries 85
Mean 0.001751
Std Dev 0.7083

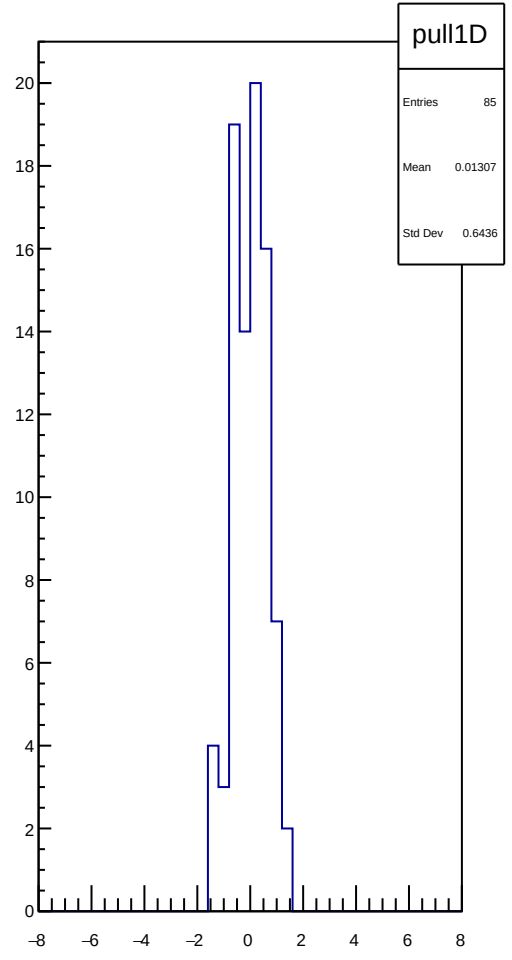

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.91 / 84
p0 0.8399 ± 0.6817
pull
Entries 85
Mean −12.58
Std Dev 45.61

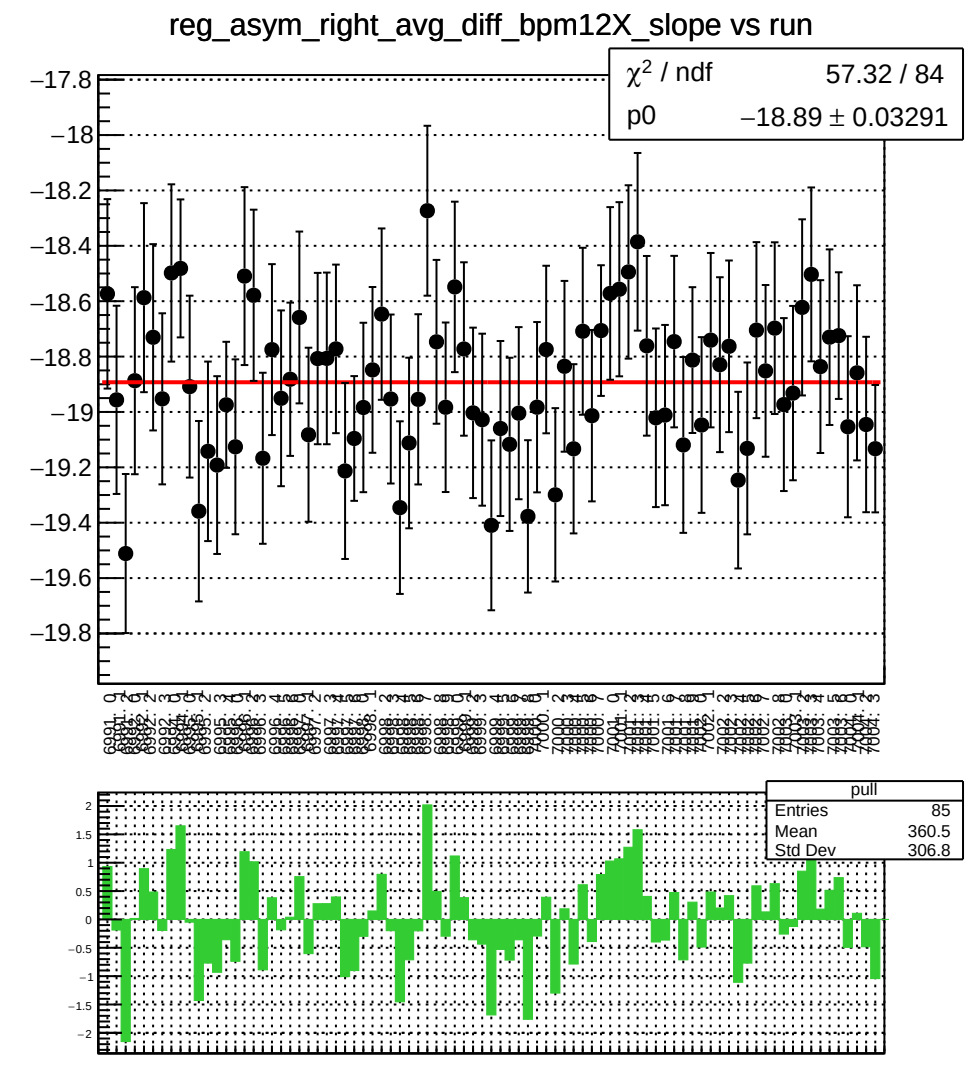

pull1D
Entries 85
Mean −0.01524
Std Dev 0.6676

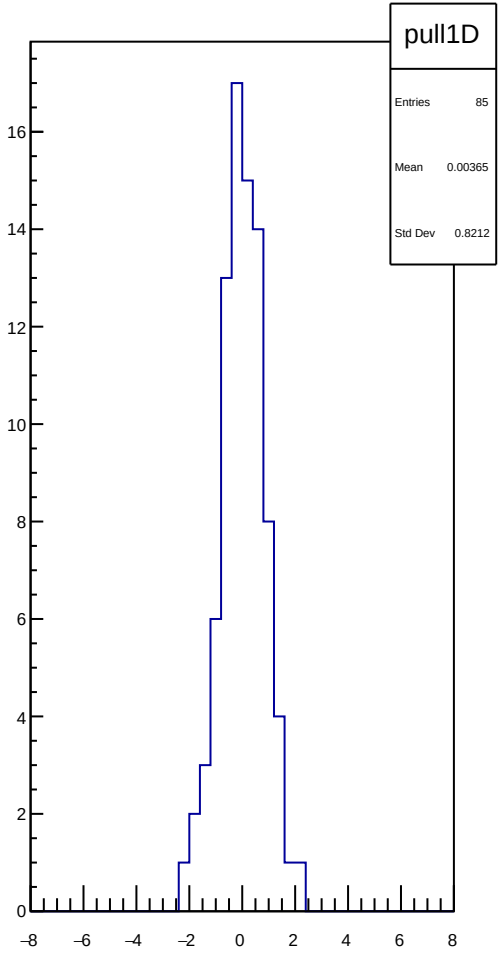

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.43 / 84
p0 65.44 ± 0.9152
90
80
70
60
50
40
pull
Entries 85
Mean 278.6
Std Dev 212.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

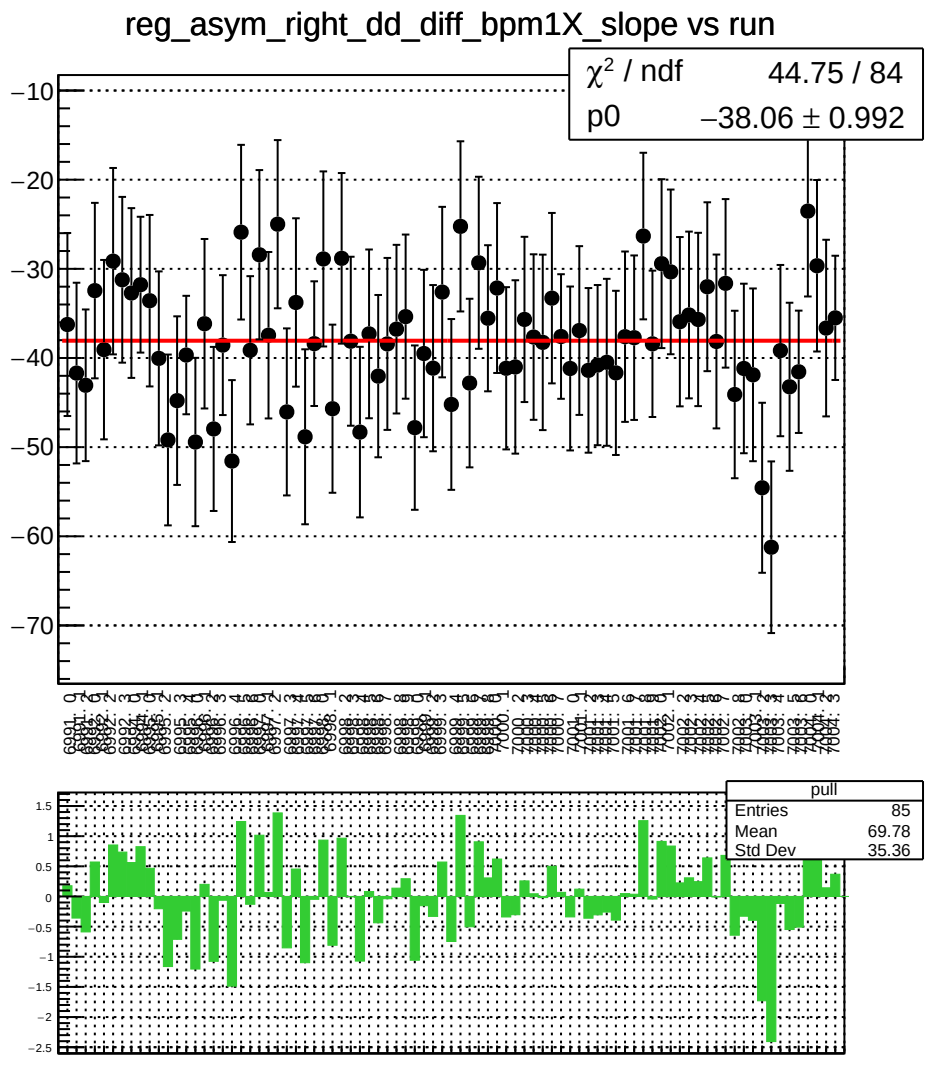

pull1D
Entries 85
Mean −0.001691
Std Dev 0.7066
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

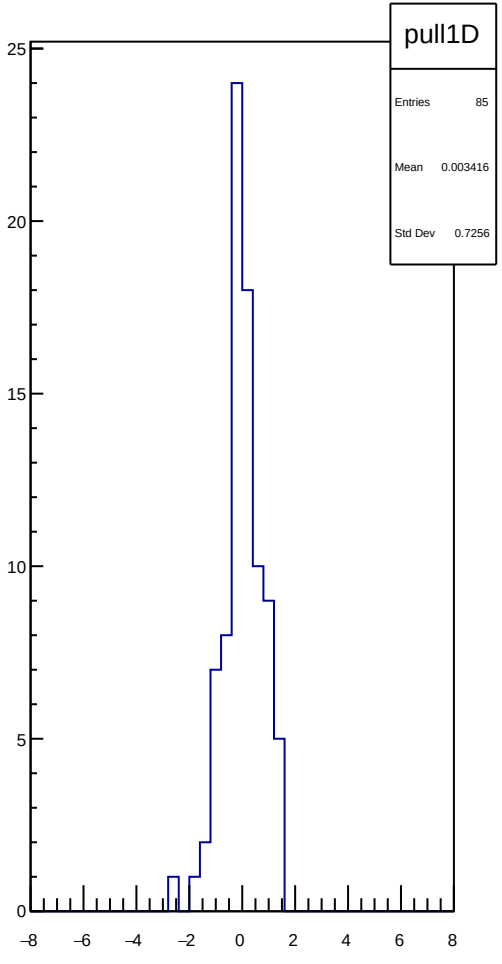

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.22 / 84
p0 7.048 ± 0.7186
pull
Entries 85
Mean −59.88
Std Dev 95.34

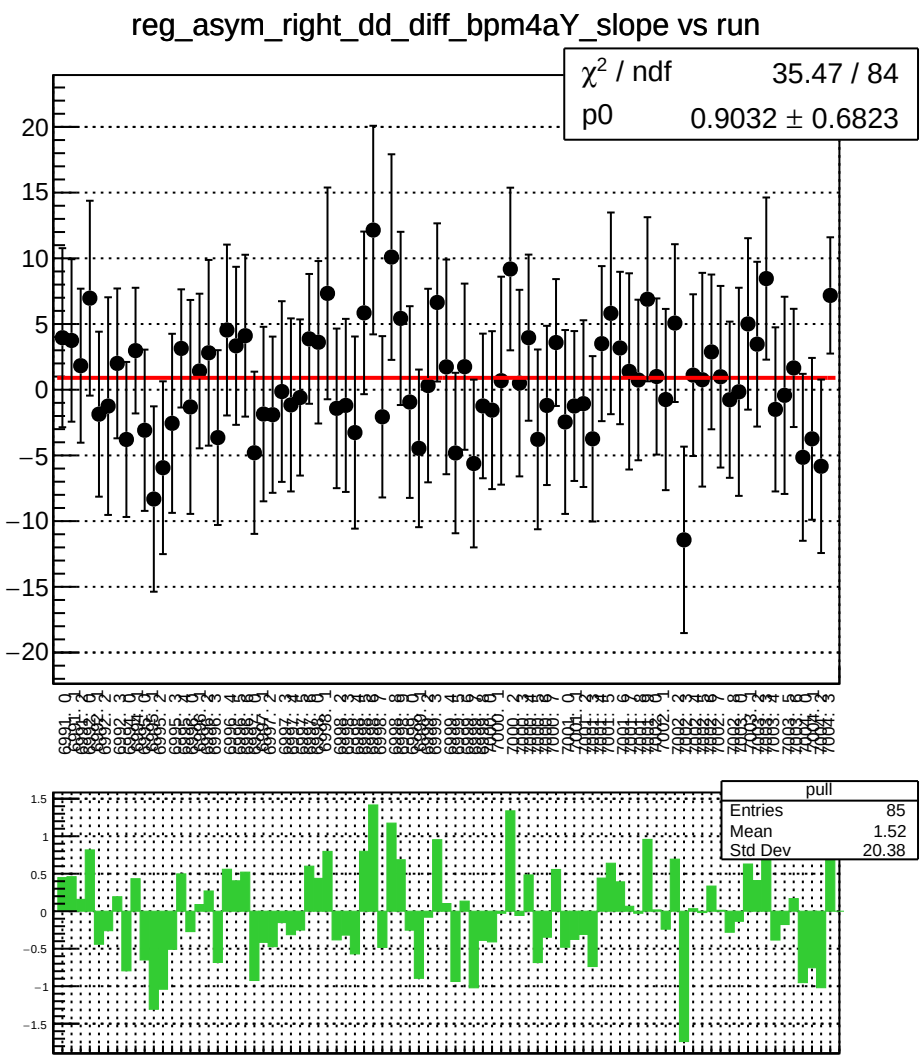

pull1D
Entries 85
Mean 0.01307
Std Dev 0.6436

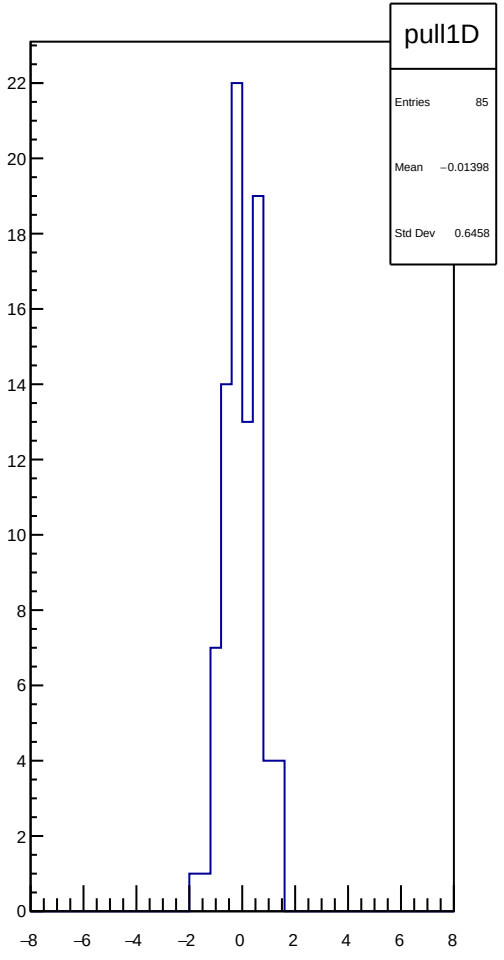

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 57.32 / 84
p0 −18.89 ± 0.03291
pull
Entries 85
Mean 360.5
Std Dev 306.8

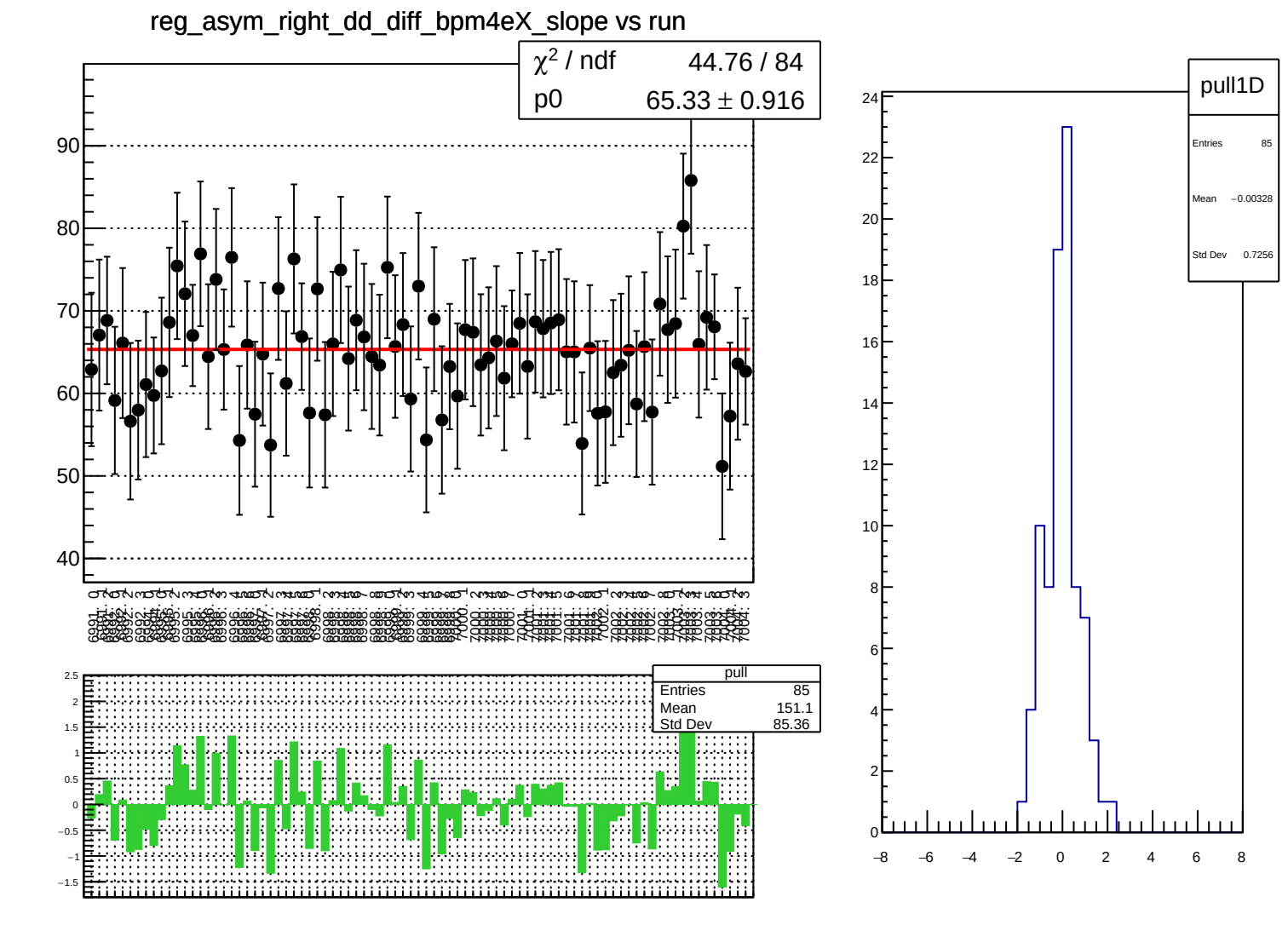

pull1D
Entries 85
Mean 0.00365
Std Dev 0.8212

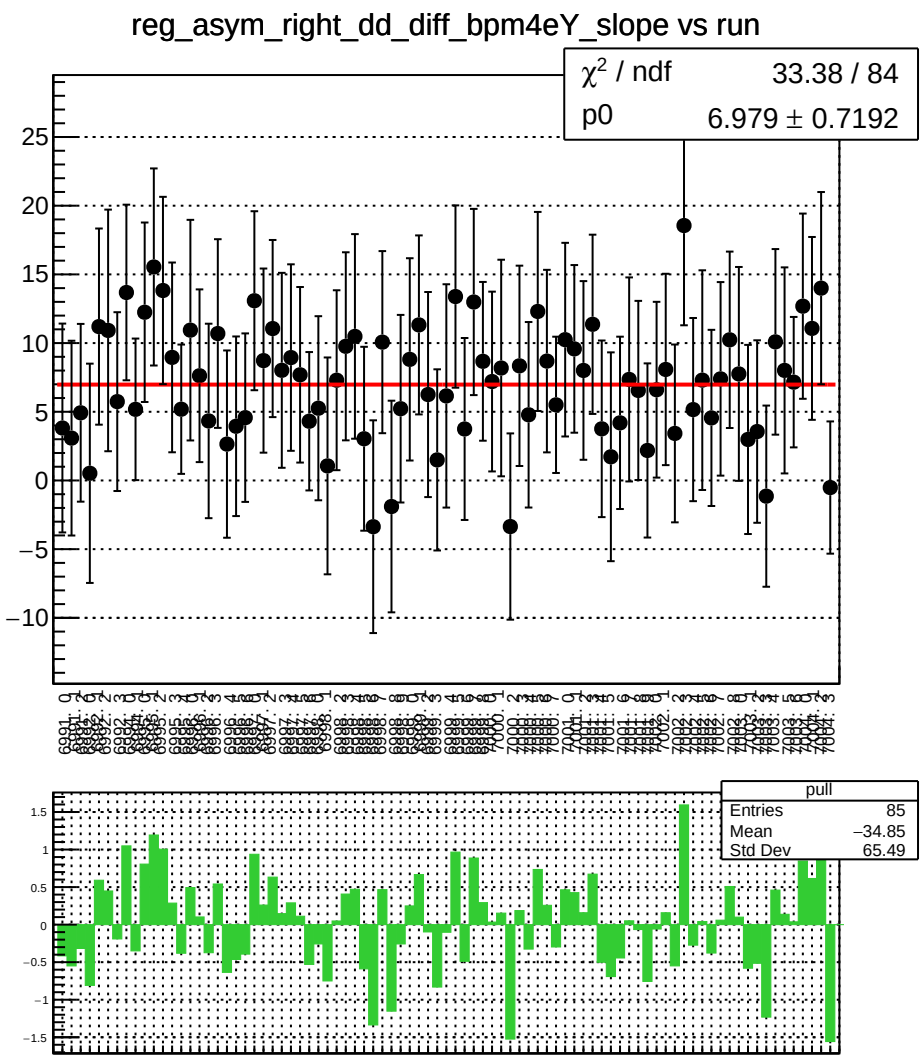

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 44.75 / 84
p0 −38.06 ± 0.992
pull
Entries 85
Mean 69.78
Std Dev 35.36

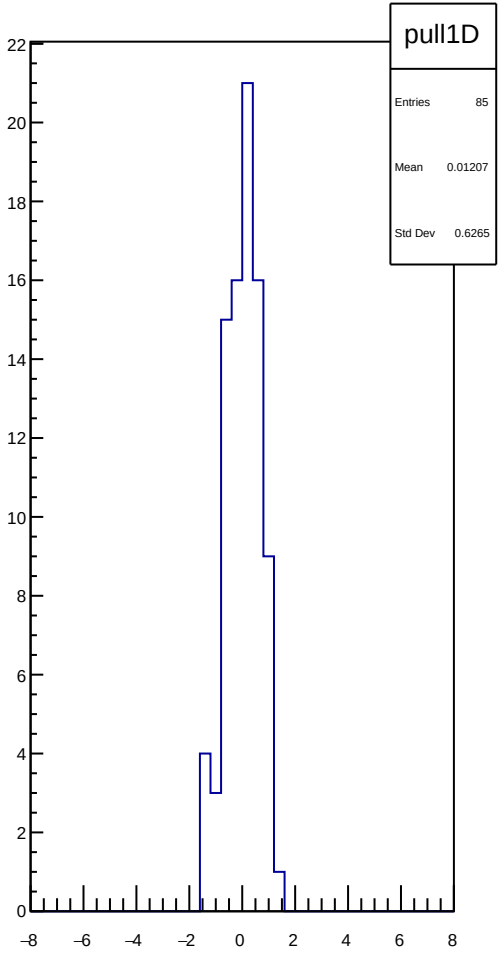

pull1D
Entries 85
Mean 0.003416
Std Dev 0.7256

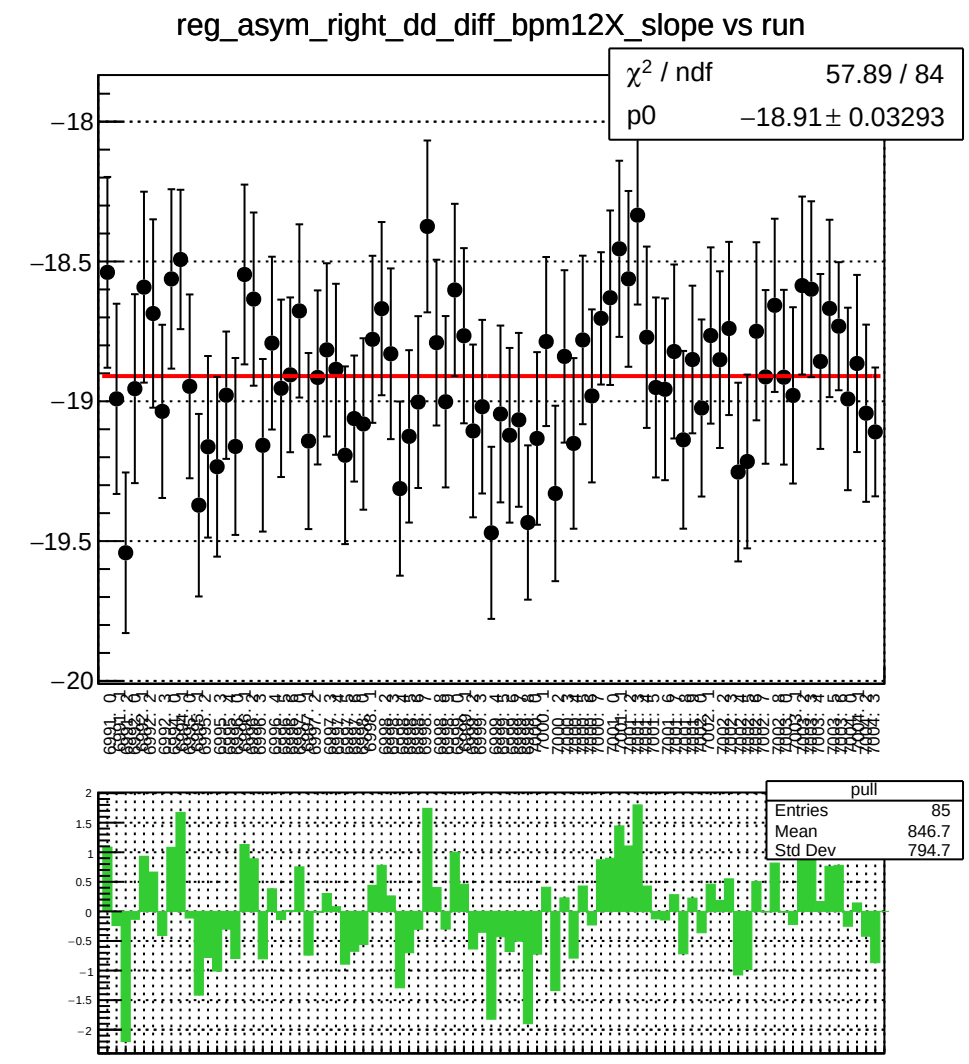

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.47 / 84
p0 0.9032 ± 0.6823
pull
Entries 85
Mean 1.52
Std Dev 20.38

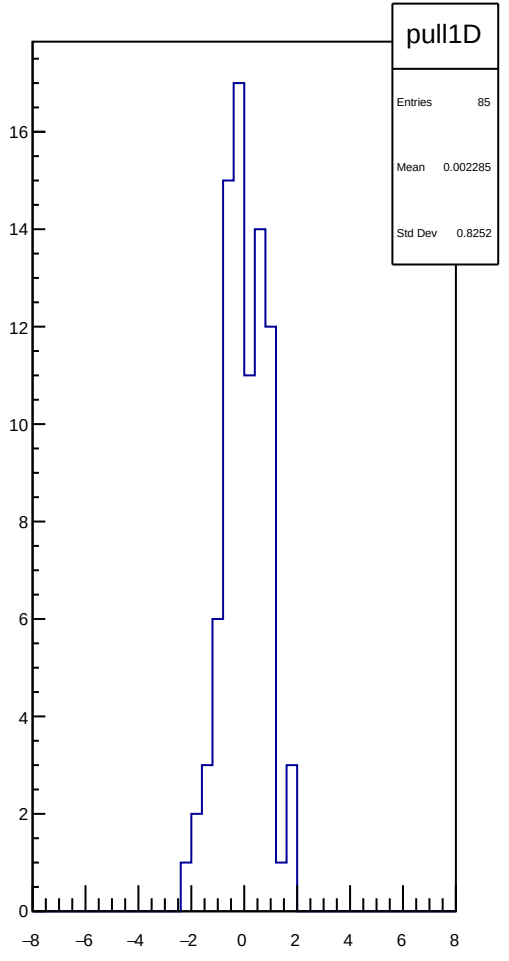

pull1D
Entries 85
Mean −0.01398
Std Dev 0.6458

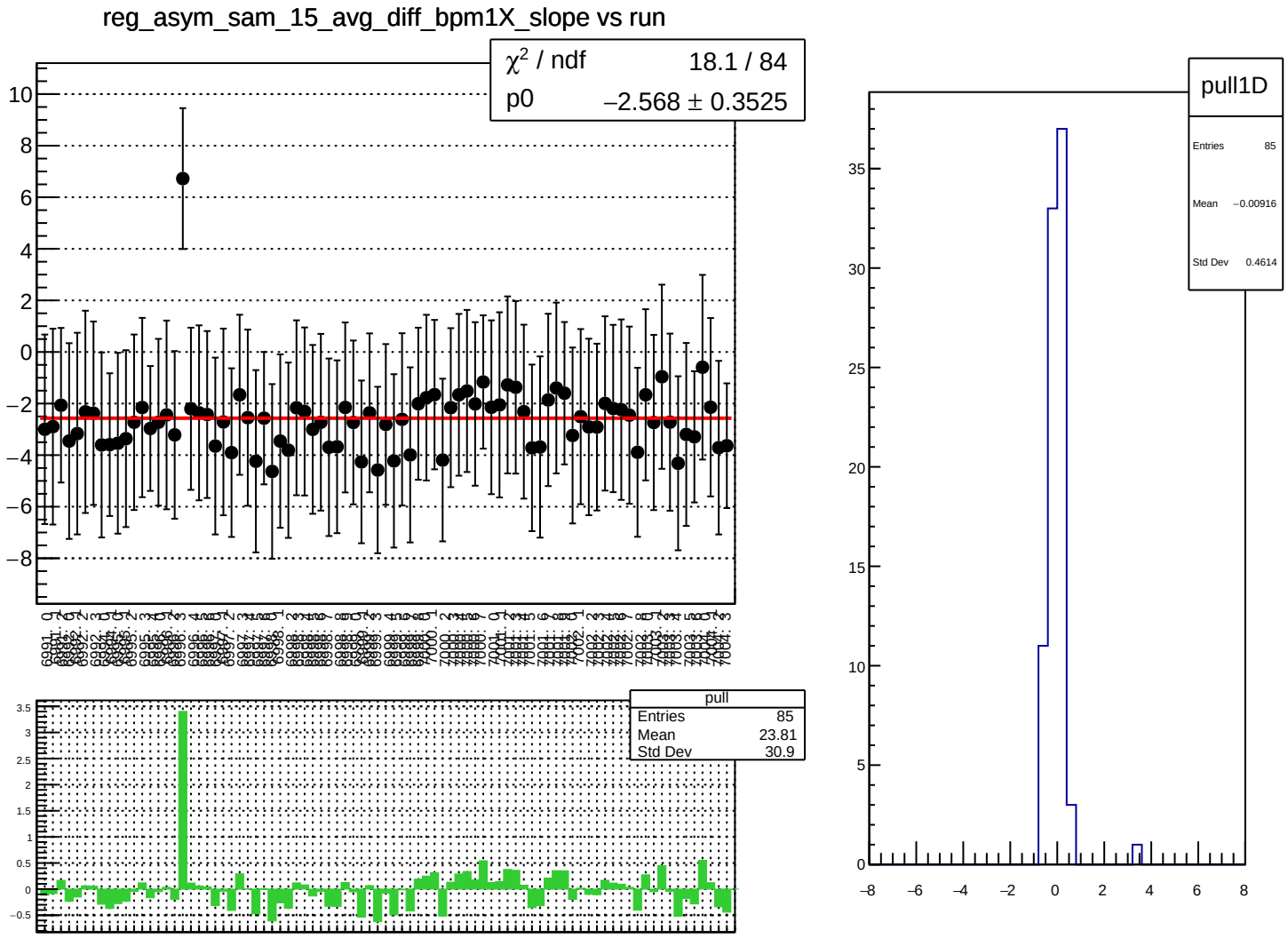

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.76 / 84
p0 65.33 ± 0.916
pull
Entries 85
Mean 151.1
Std Dev 85.36
pull1D
Entries 85
Mean −0.00328
Std Dev 0.7256

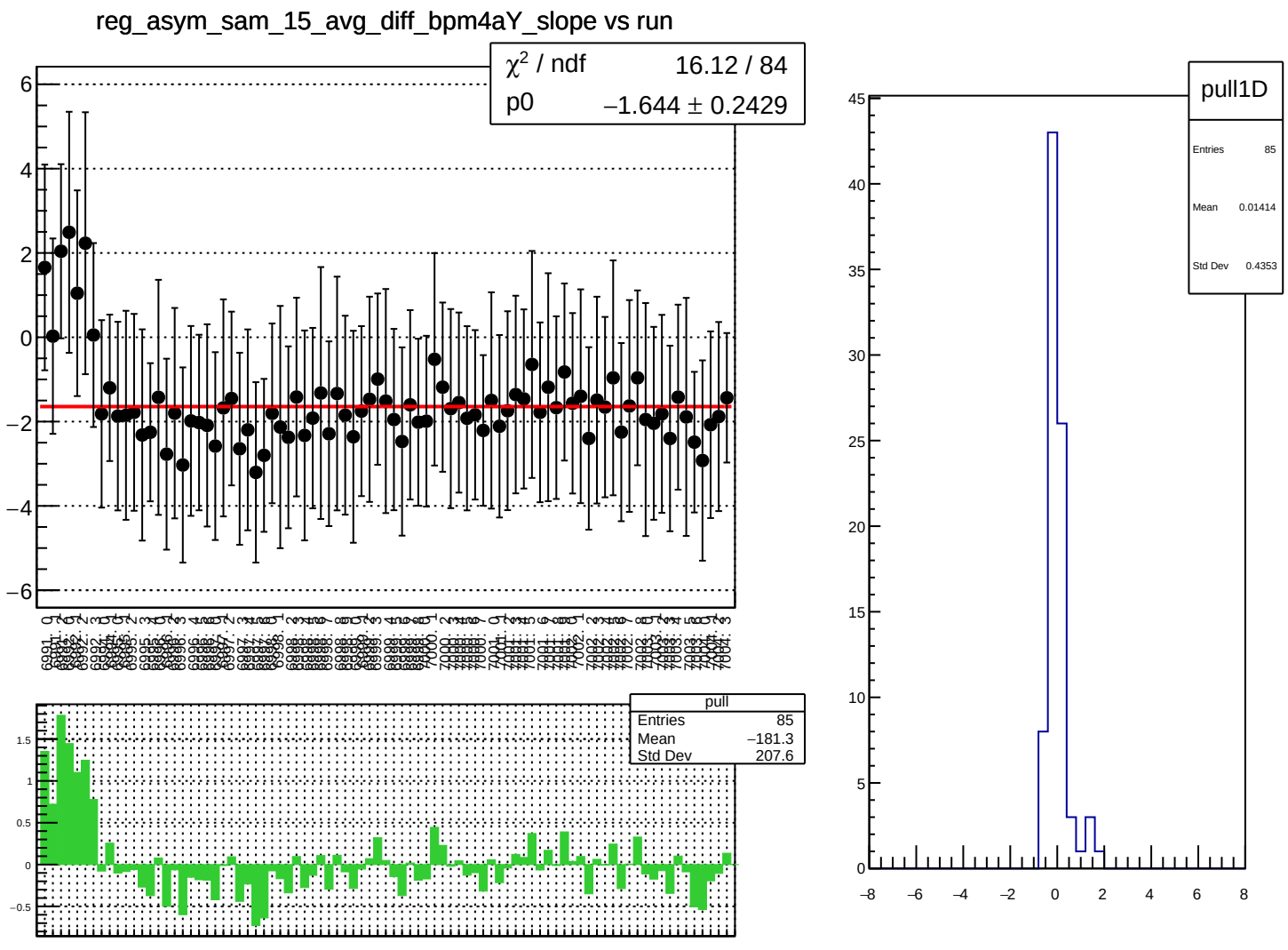

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.38 / 84
p0 6.979 ± 0.7192
pull
Entries 85
Mean −34.85
Std Dev 65.49

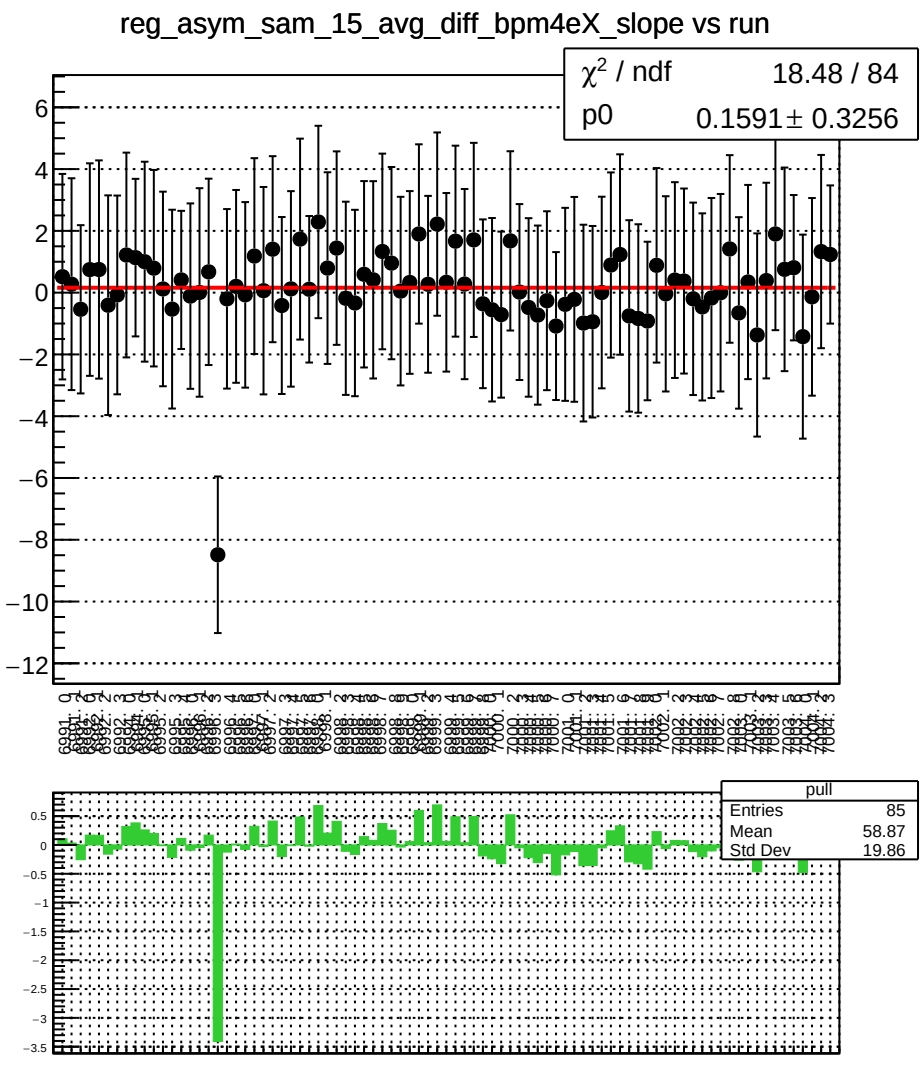

pull1D
Entries 85
Mean 0.01207
Std Dev 0.6265

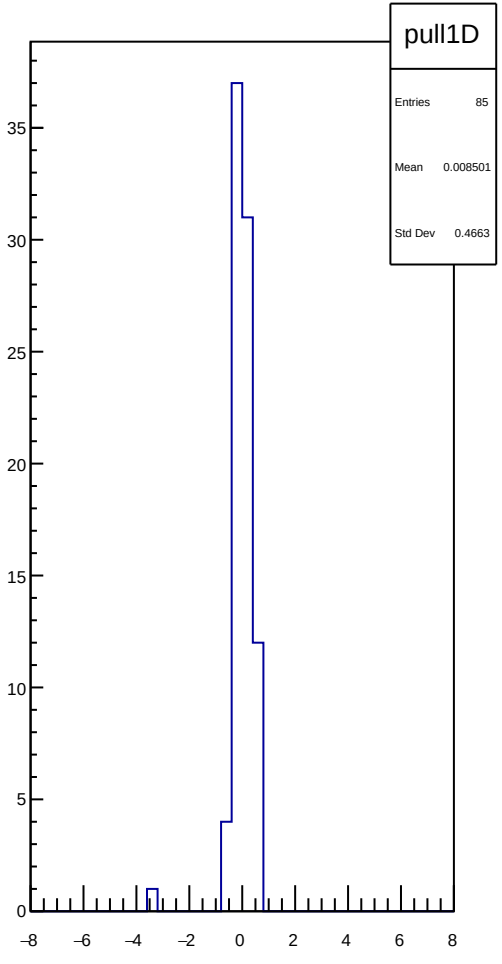

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 57.89 / 84
p0 −18.91 ± 0.03293
−18
−18.5
−19
−19.5
−20
pull
Entries 85
Mean 846.7
Std Dev 794.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

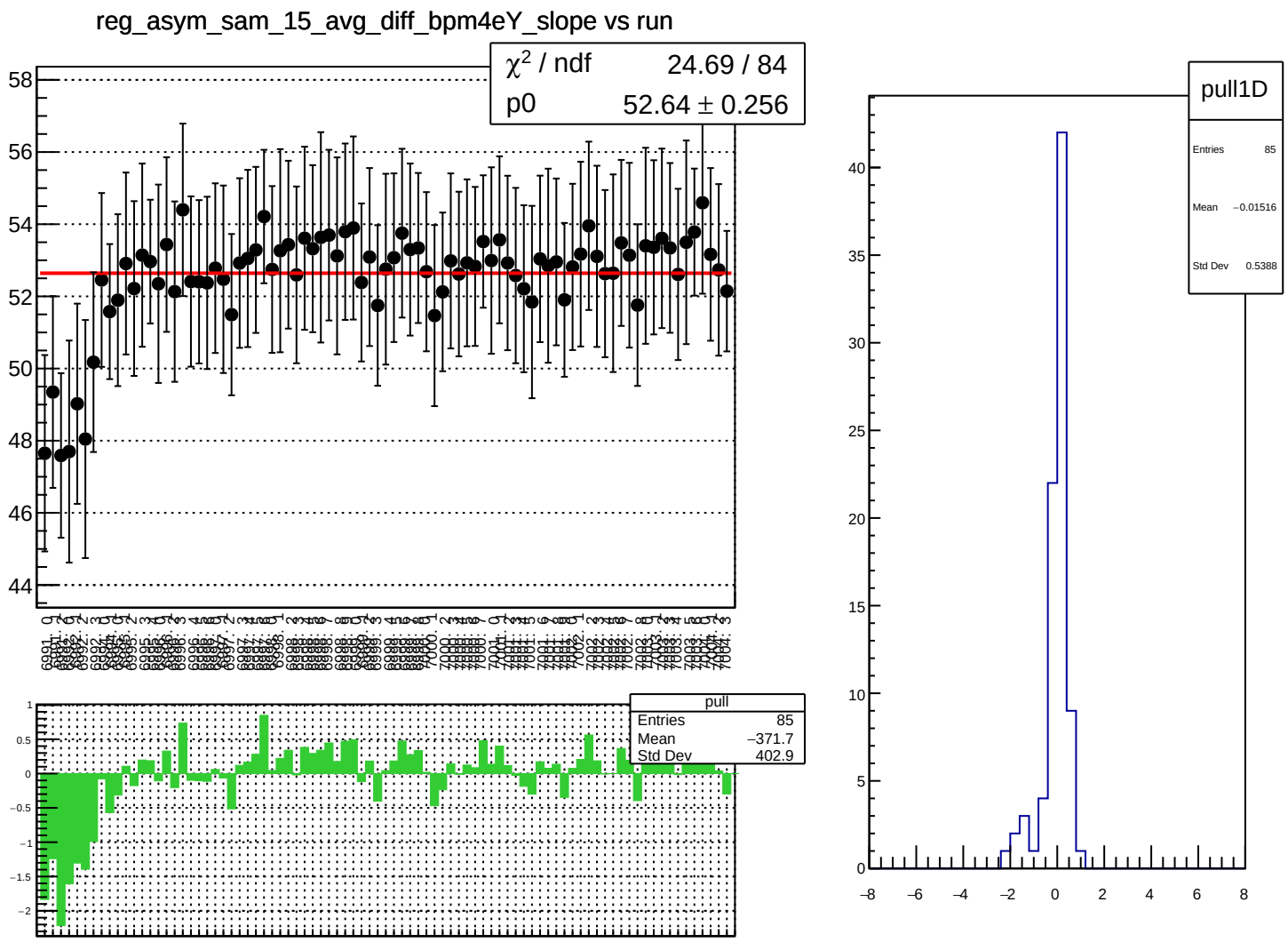

pull1D
Entries 85
Mean 0.002285
Std Dev 0.8252
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

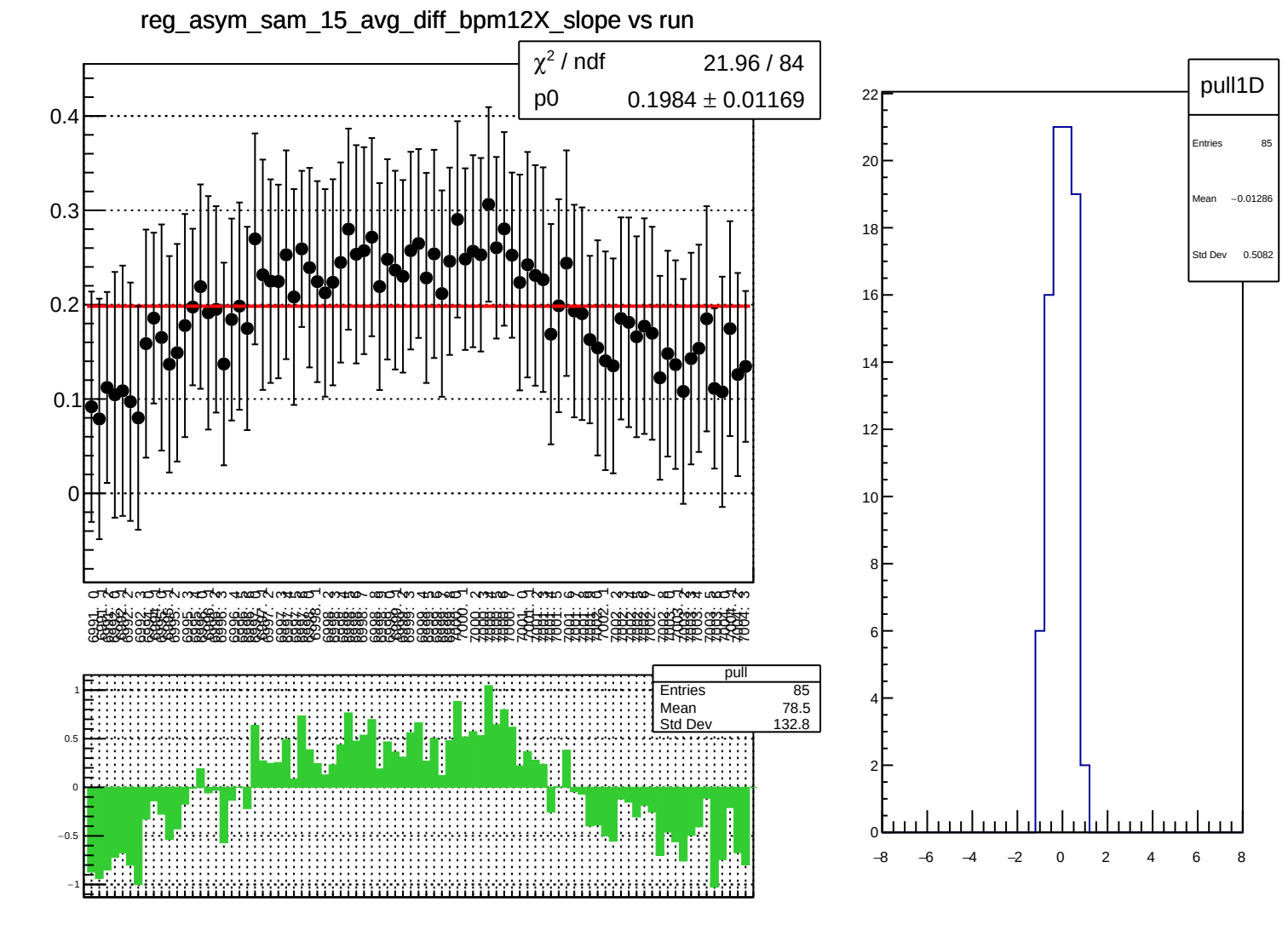

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 18.1 / 84
p0 −2.568 ± 0.3525
pull
Entries 85
Mean 23.81
Std Dev 30.9
pull1D
Entries 85
Mean −0.00916
Std Dev 0.4614

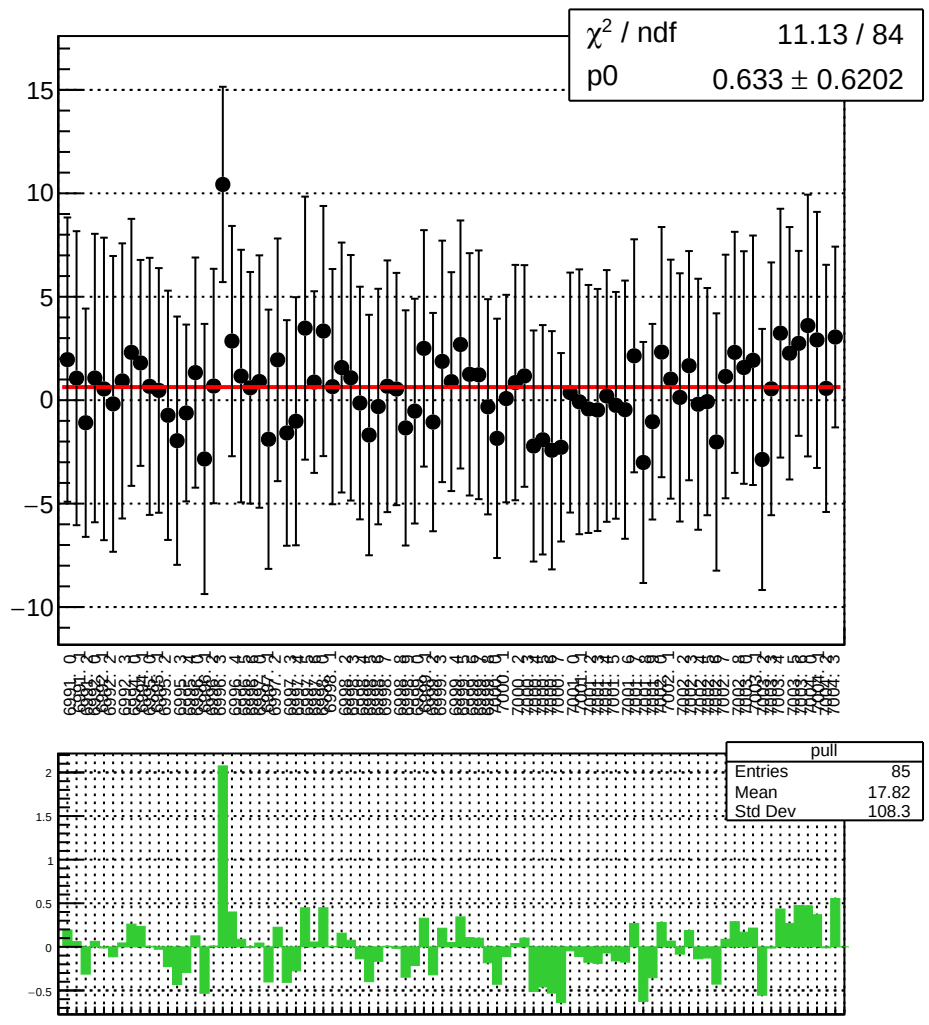

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.12 / 84
p0 −1.644 ± 0.2429
pull
Entries 85
Mean −181.3
Std Dev 207.6
pull1D
Entries 85
Mean 0.01414
Std Dev 0.4353

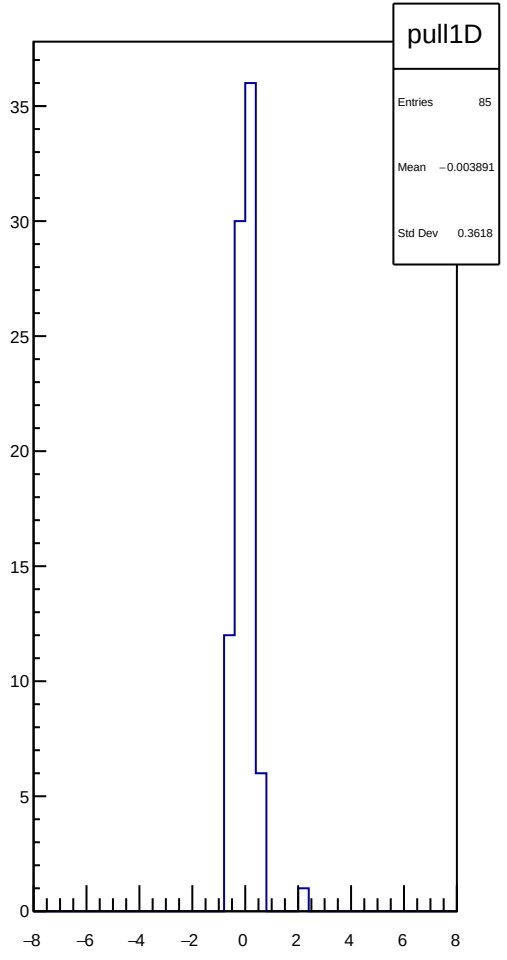

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.48 / 84
p0 0.1591 ± 0.3256
pull
Entries 85
Mean 58.87
Std Dev 19.86

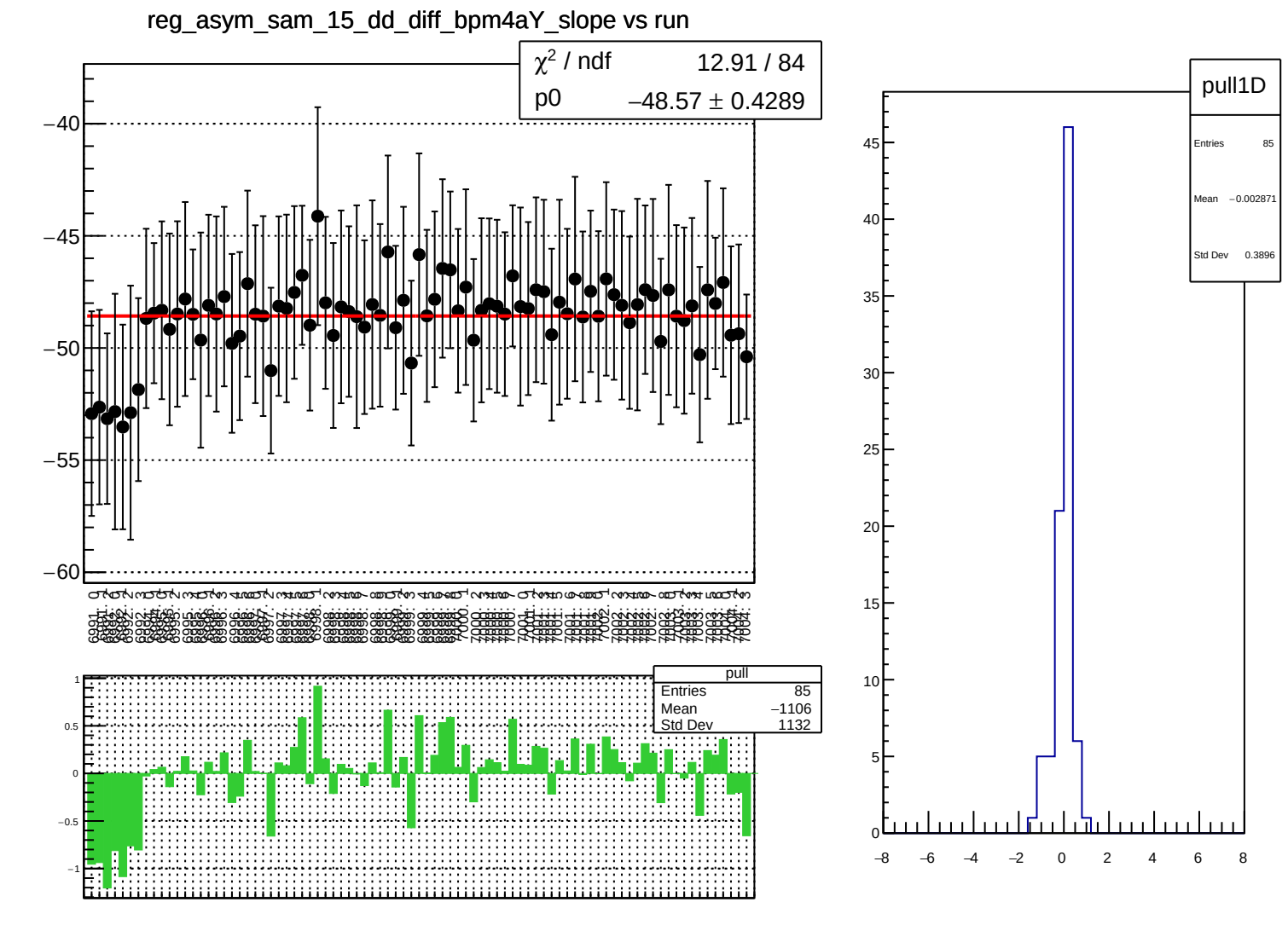

pull1D
Entries 85
Mean 0.008501
Std Dev 0.4663

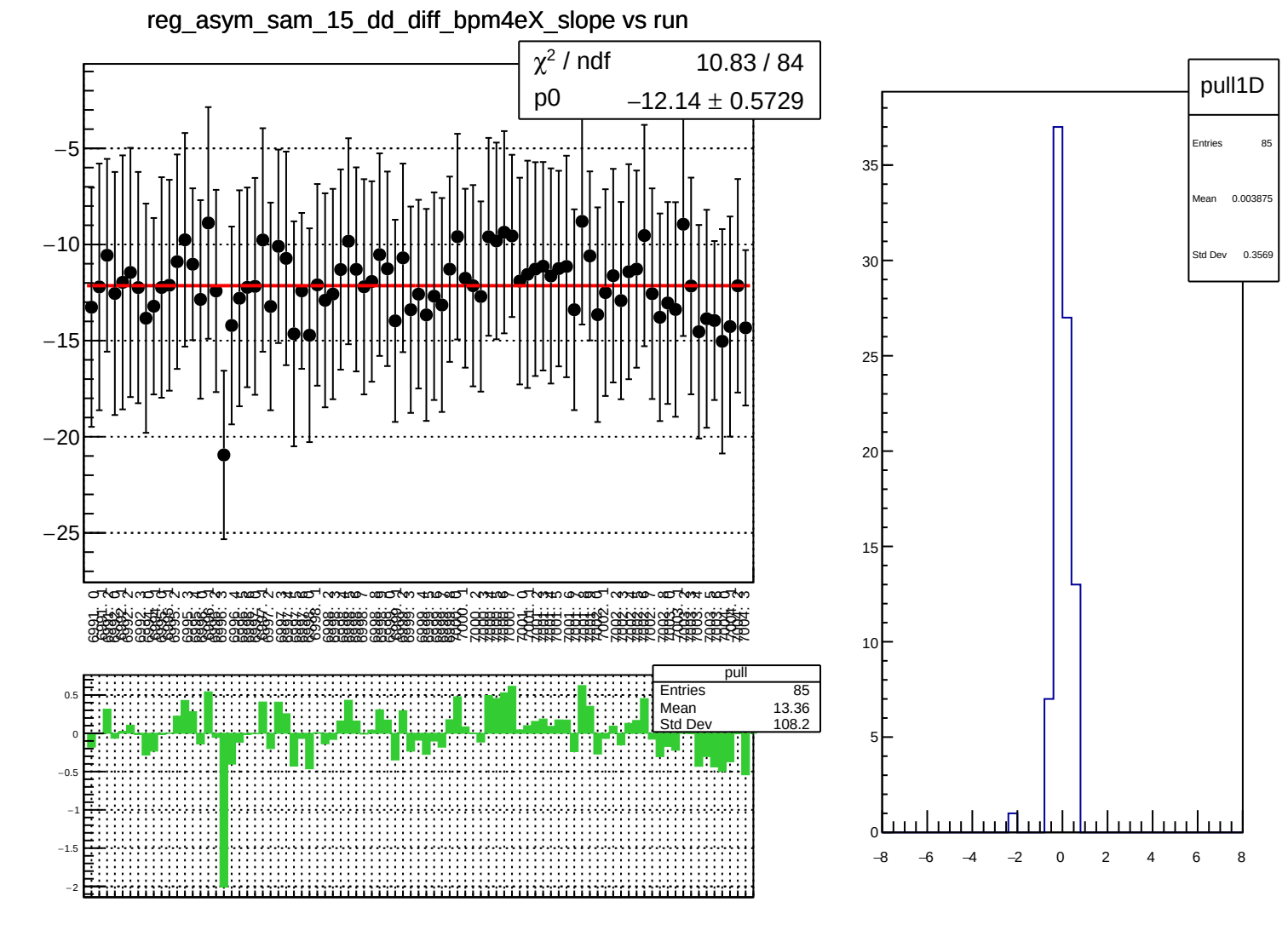

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.69 / 84
p0 52.64 ± 0.256
pull
Entries 85
Mean −371.7
Std Dev 402.9
pull1D
Entries 85
Mean −0.01516
Std Dev 0.5388

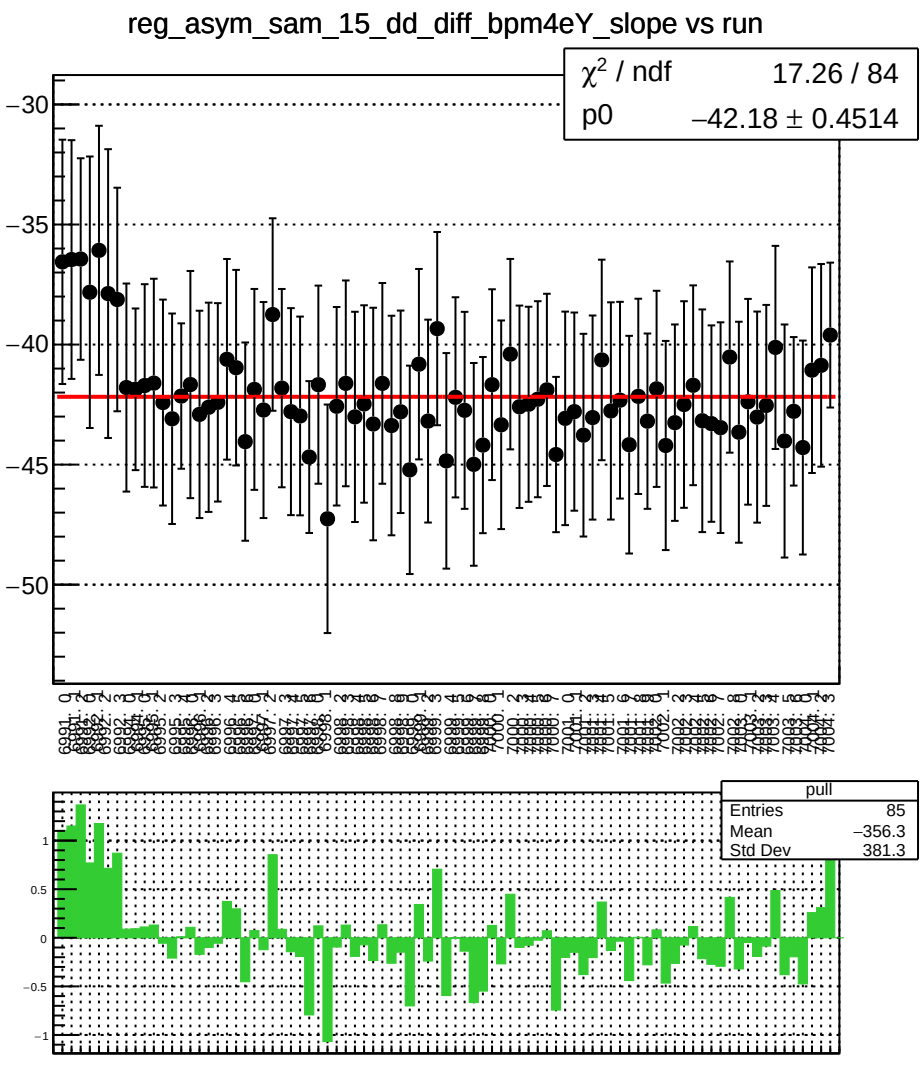

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 21.96 / 84
p0 0.1984 ± 0.01169
pull
Entries 85
Mean 78.5
Std Dev 132.8
pull1D
Entries 85
Mean −0.01286
Std Dev 0.5082

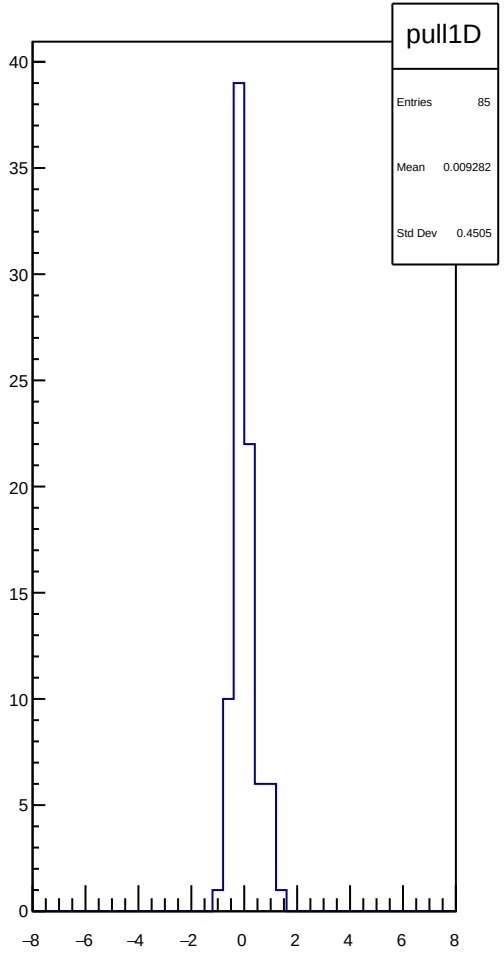

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 11.13 / 84
p0 0.633 ± 0.6202
pull
Entries 85
Mean 17.82
Std Dev 108.3

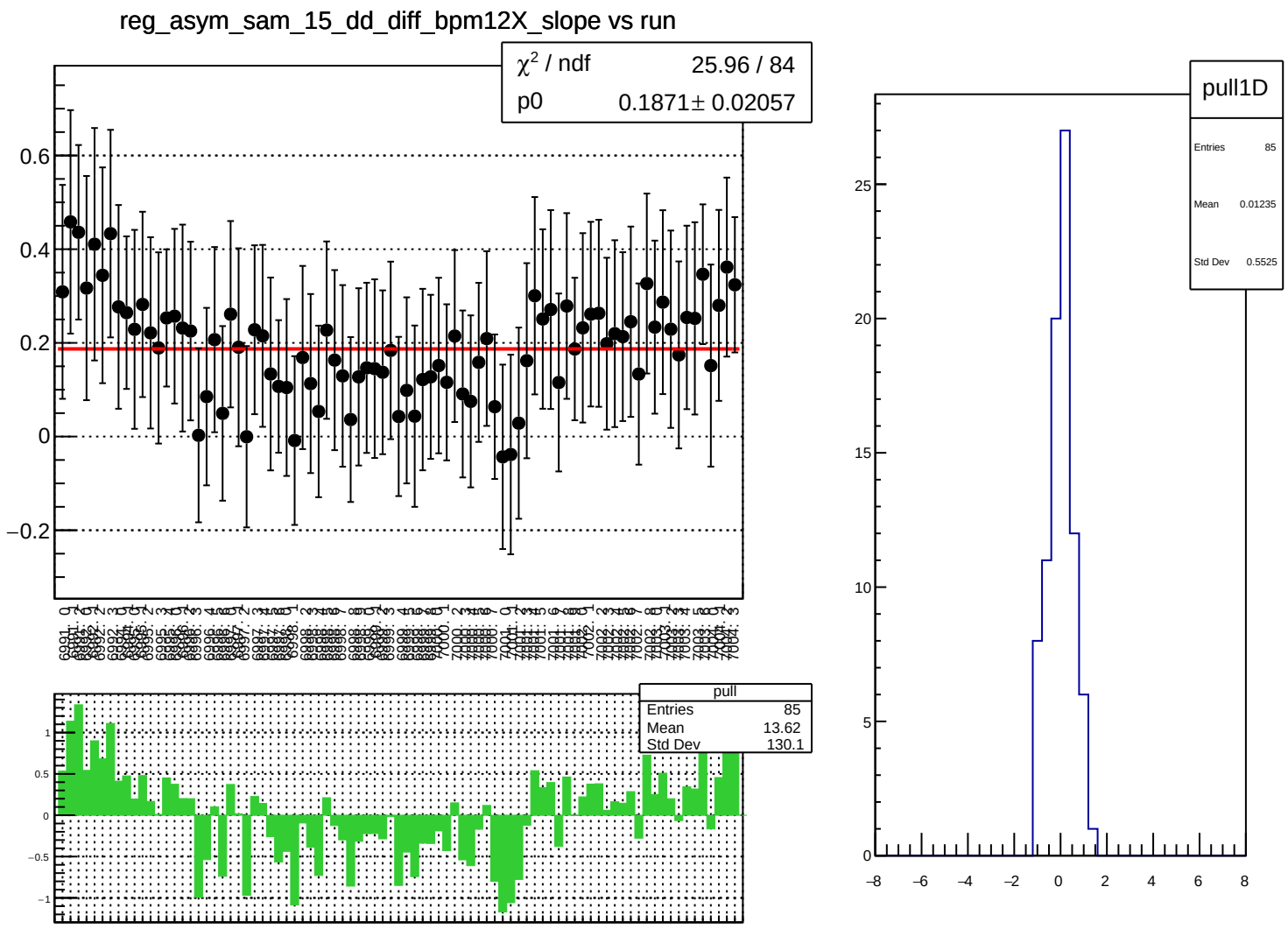

pull1D
Entries 85
Mean −0.003891
Std Dev 0.3618

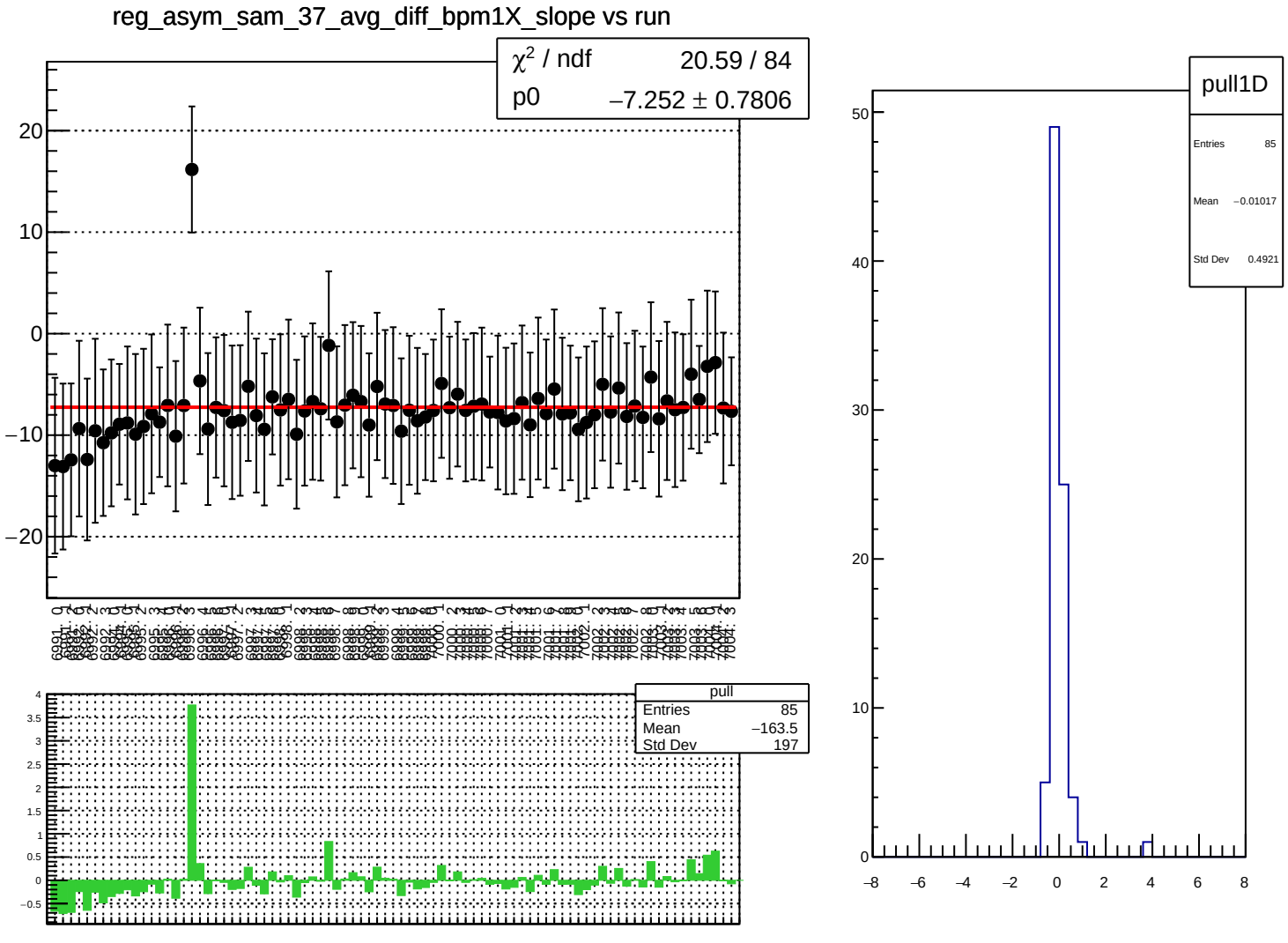

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.91 / 84
p0 −48.57 ± 0.4289
−40
−45
−50
−55
−60
pull
Entries 85
Mean −1106
Std Dev 1132
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean −0.002871
Std Dev 0.3896
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

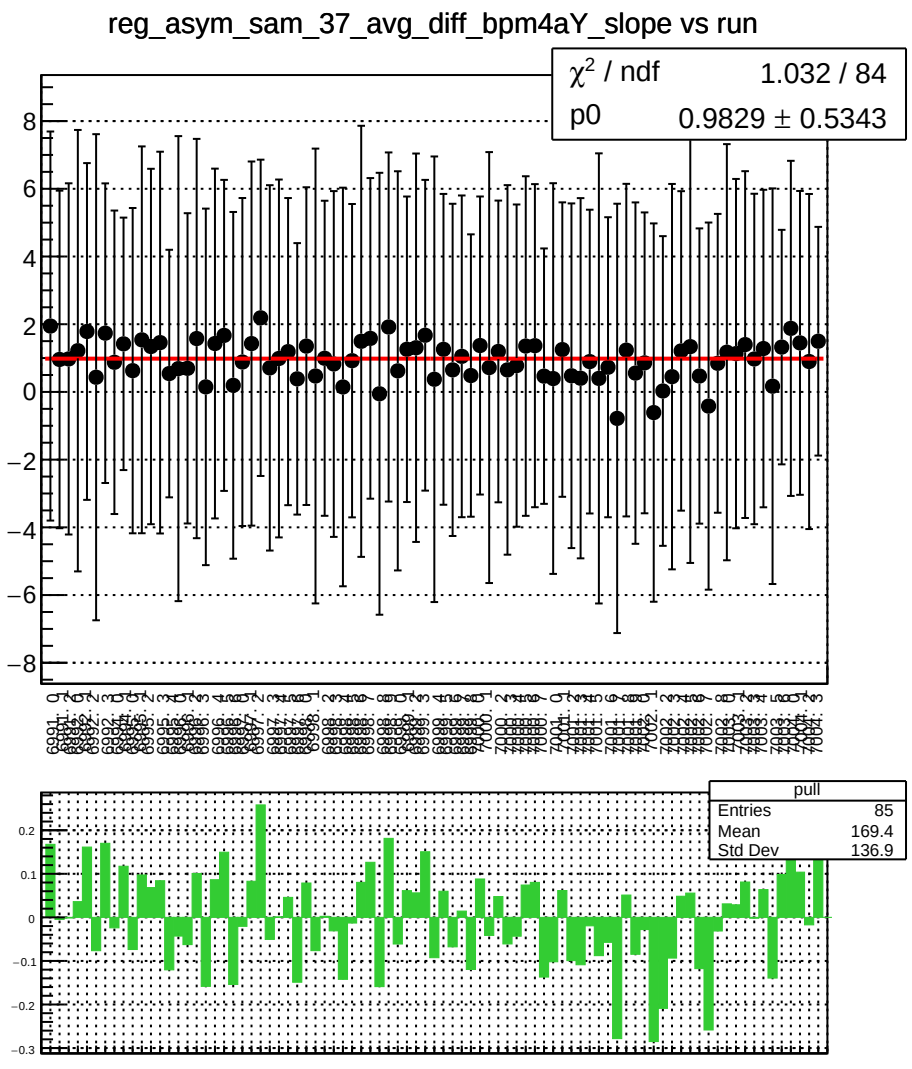

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.83 / 84
p0 −12.14 ± 0.5729
pull
Entries 85
Mean 13.36
Std Dev 108.2
pull1D
Entries 85
Mean 0.003875
Std Dev 0.3569

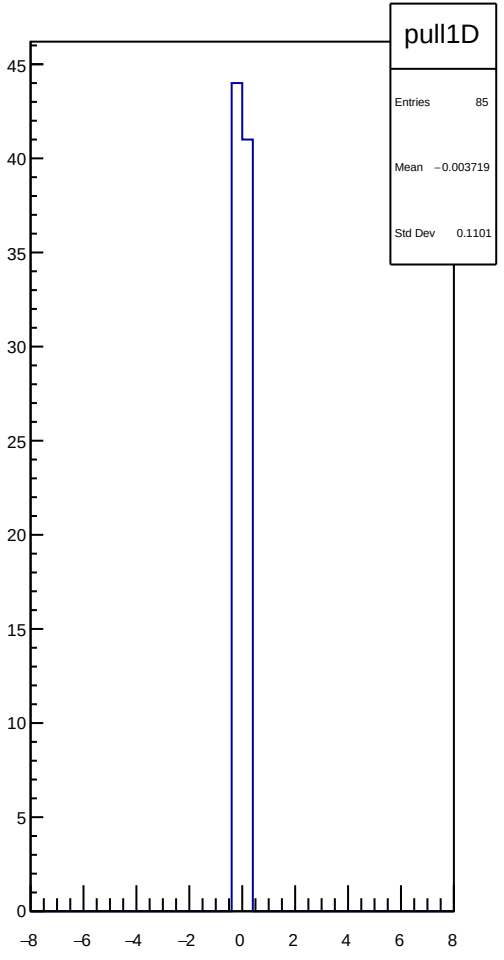

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.26 / 84
p0 −42.18 ± 0.4514
−30
−35
−40
−45
−50
pull
Entries 85
Mean −356.3
Std Dev 381.3
1
0.5
0
−0.5
−1

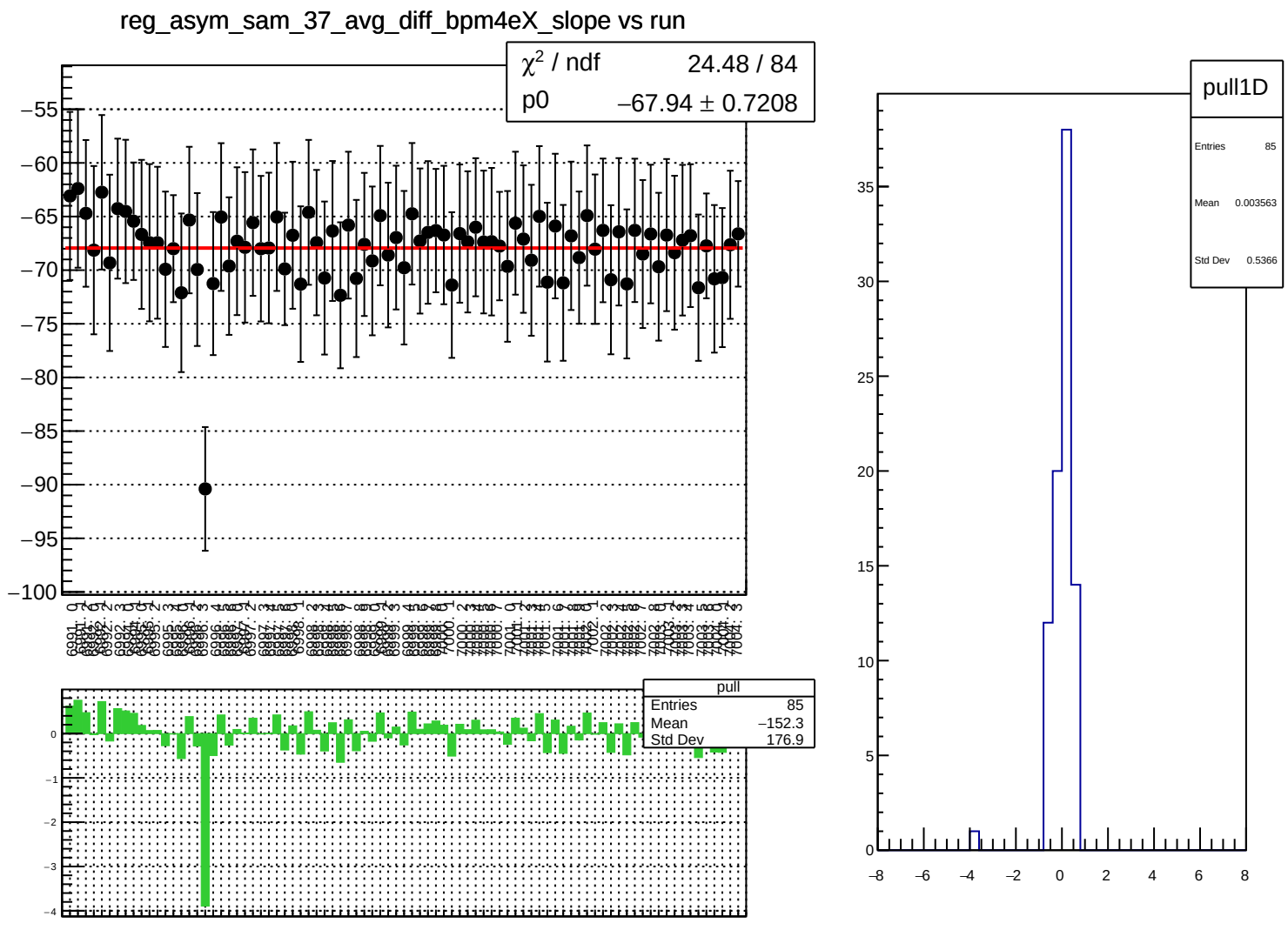

pull1D
Entries 85
Mean 0.009282
Std Dev 0.4505
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

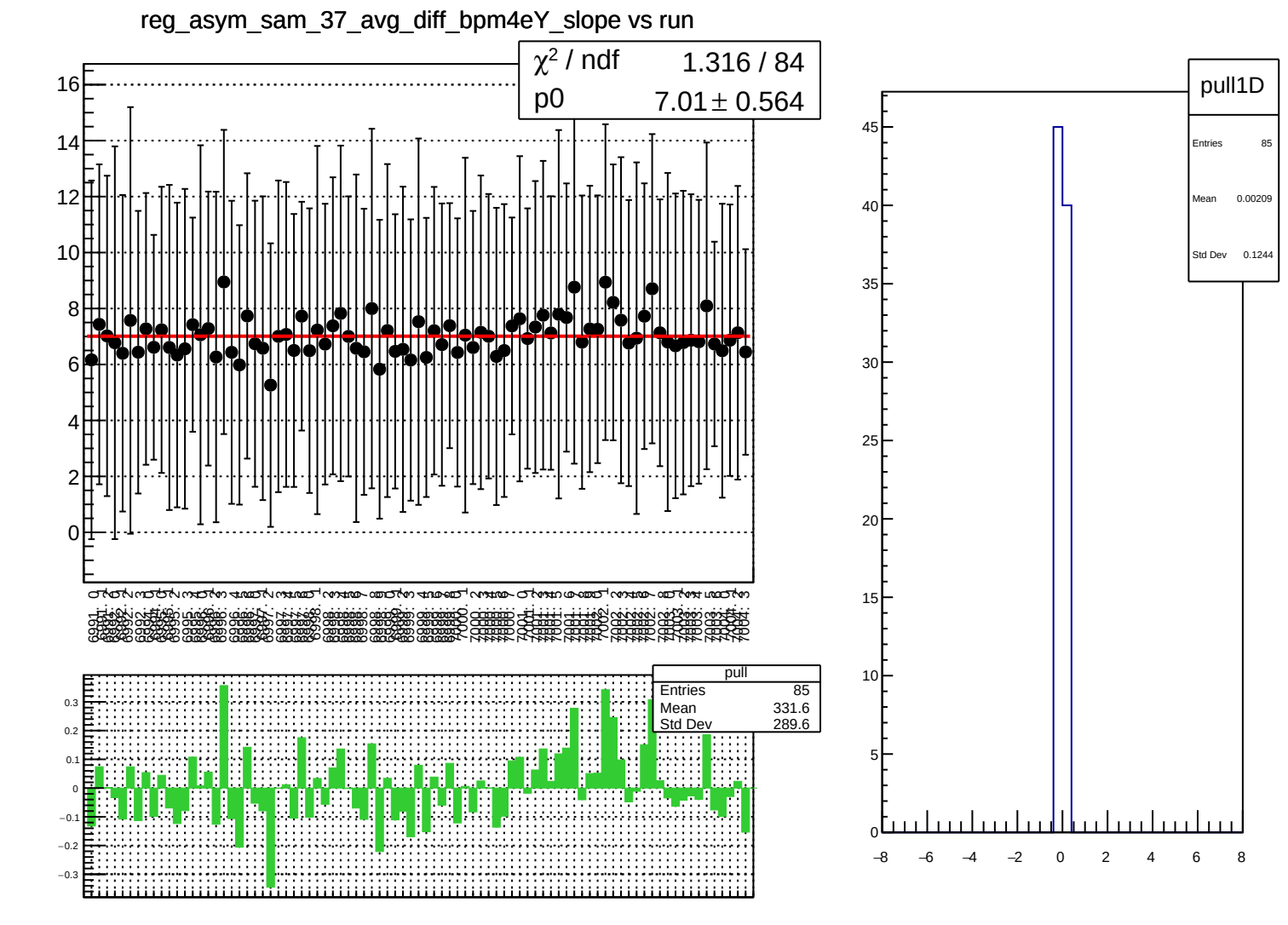

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 25.96 / 84
p0 0.1871± 0.02057
0.6
0.4
0.2
0
−0.2
pull
Entries 85
Mean 13.62
Std Dev 130.1
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean 0.01235
Std Dev 0.5525
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

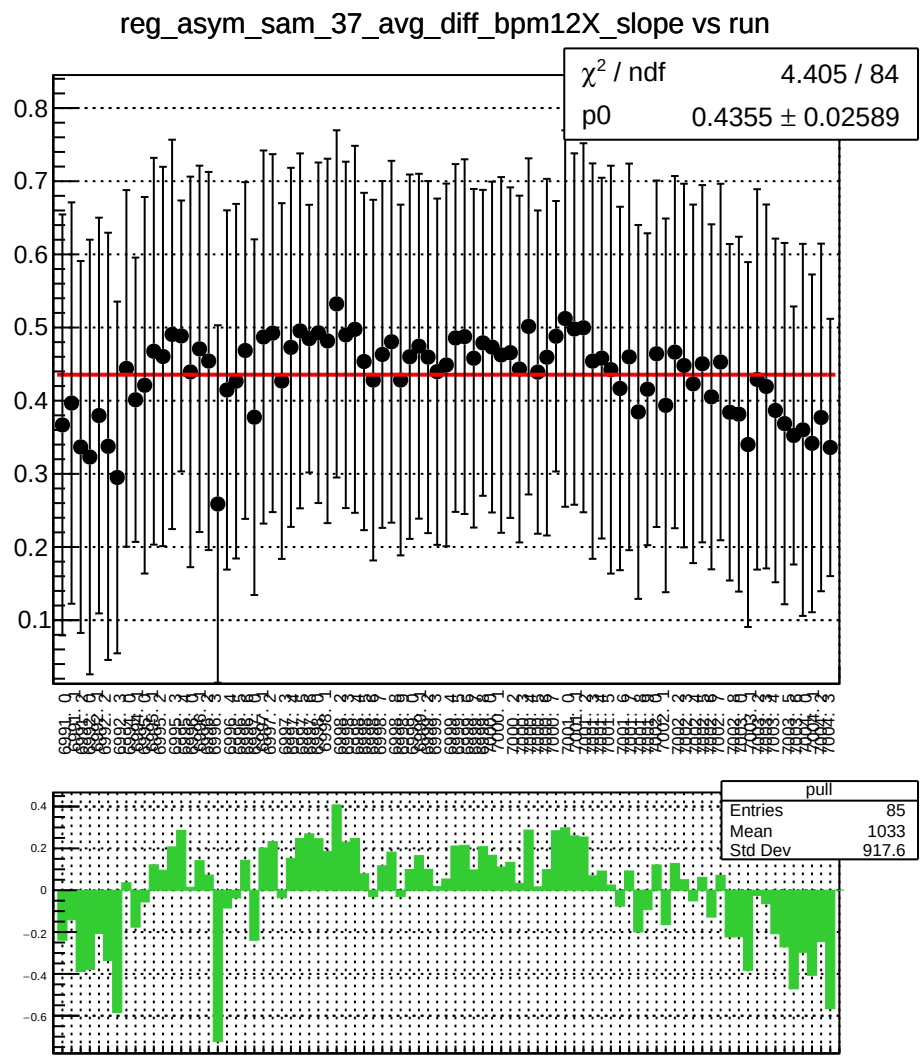

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 20.59 / 84
p0 −7.252 ± 0.7806
pull
Entries 85
Mean −163.5
Std Dev 197
pull1D
Entries 85
Mean −0.01017
Std Dev 0.4921

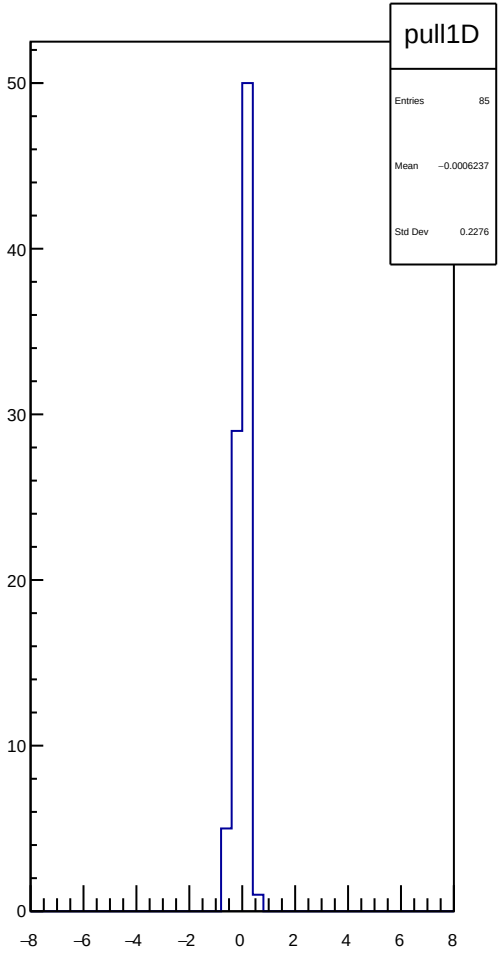

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.032 / 84
p0 0.9829 ± 0.5343
pull
Entries 85
Mean 169.4
Std Dev 136.9

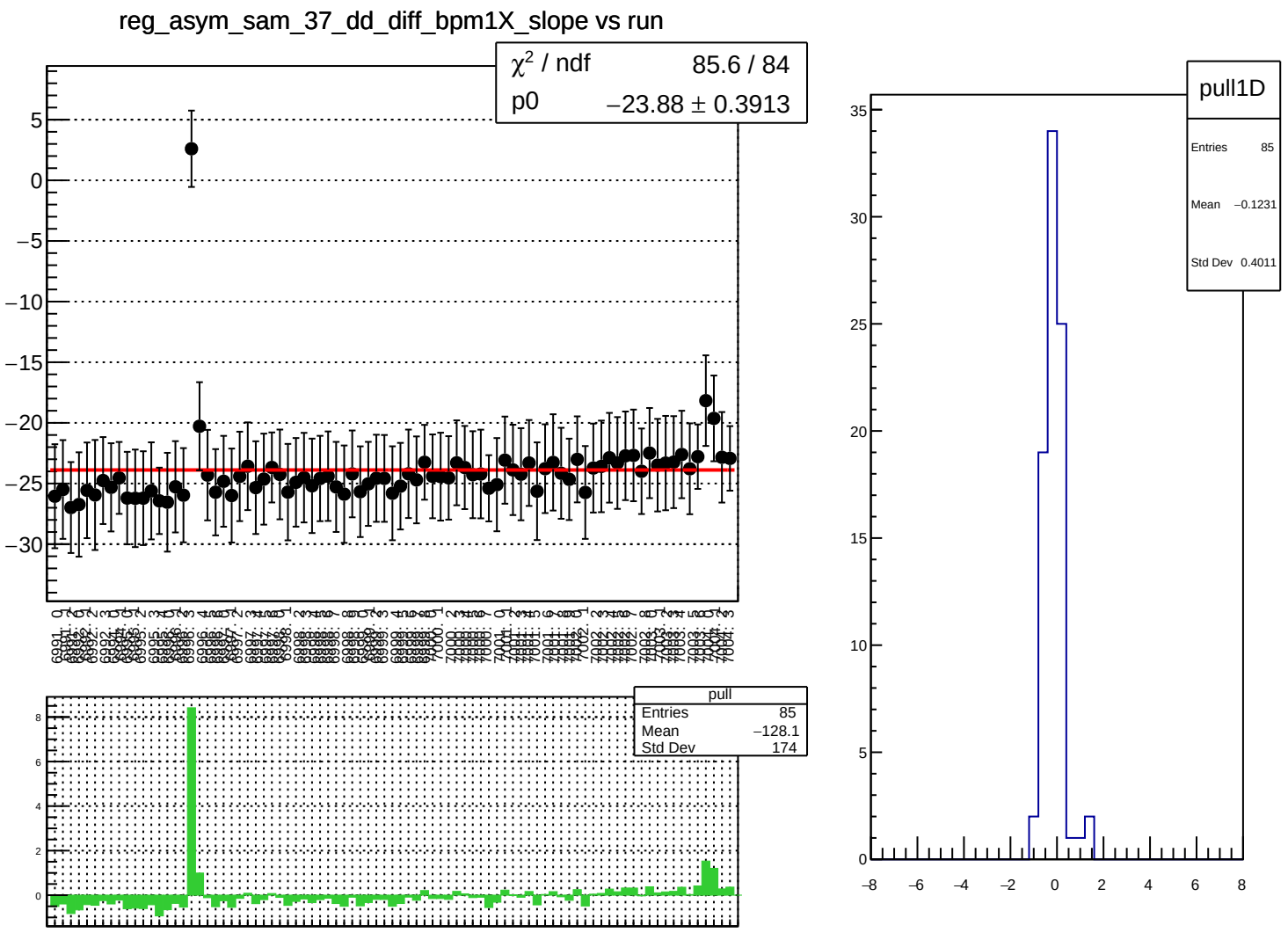

pull1D
Entries 85
Mean −0.003719
Std Dev 0.1101

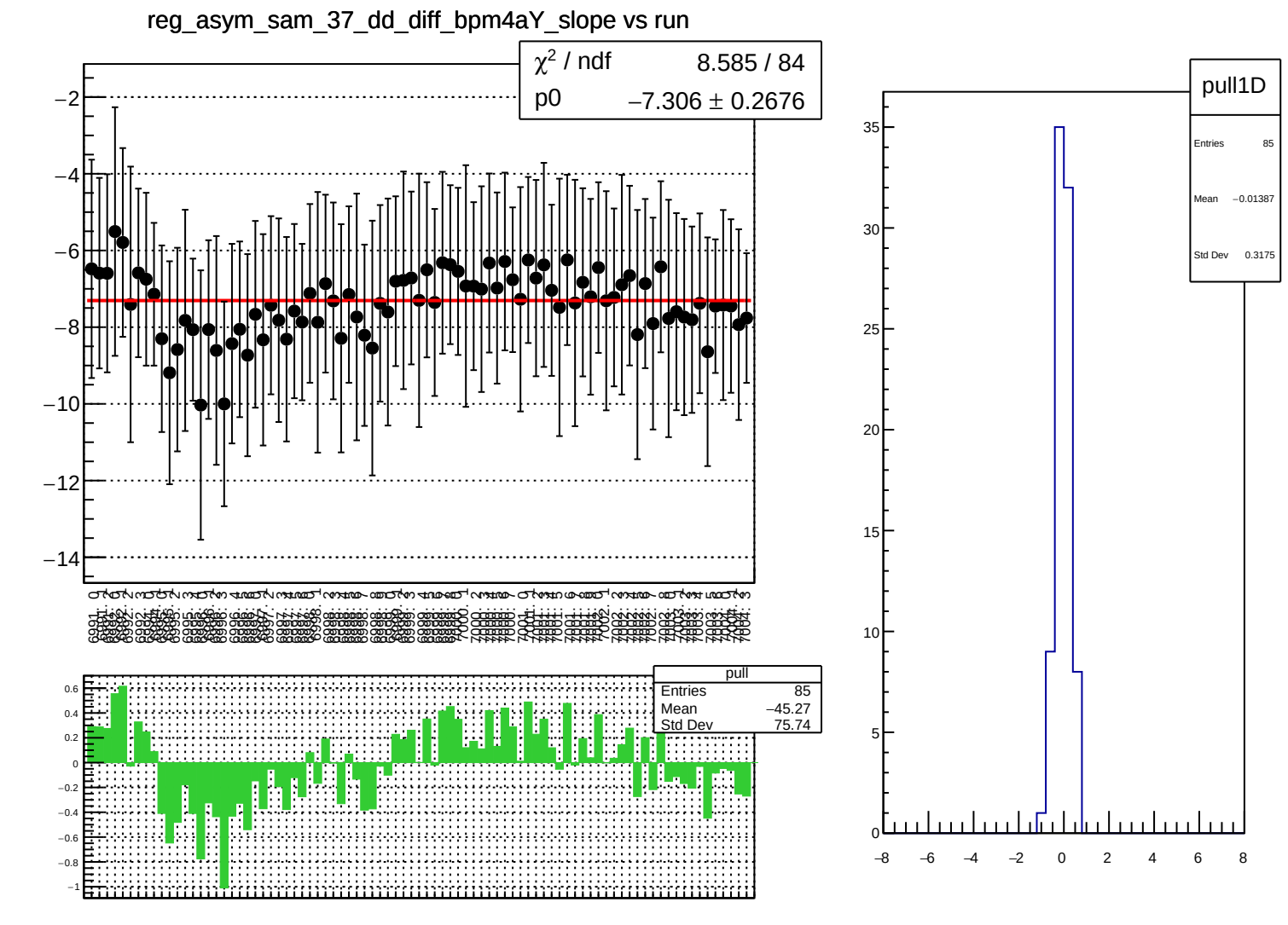

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.48 / 84
p0 −67.94 ± 0.7208
pull
Entries 85
Mean −152.3
Std Dev 176.9
pull1D
Entries 85
Mean 0.003563
Std Dev 0.5366

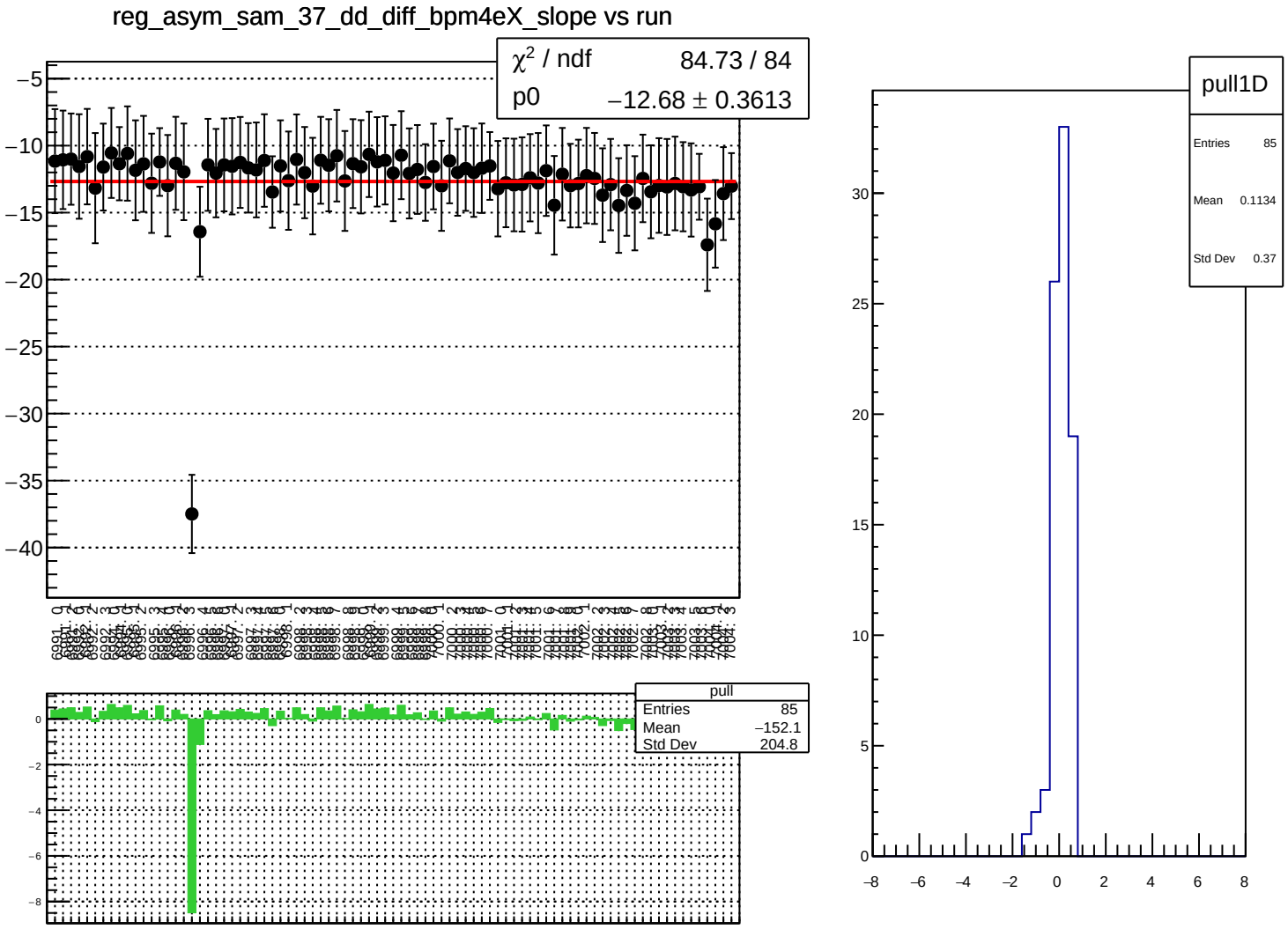

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.316 / 84
p0 7.01 ± 0.564
pull
Entries 85
Mean 331.6
Std Dev 289.6
pull1D
Entries 85
Mean 0.00209
Std Dev 0.1244

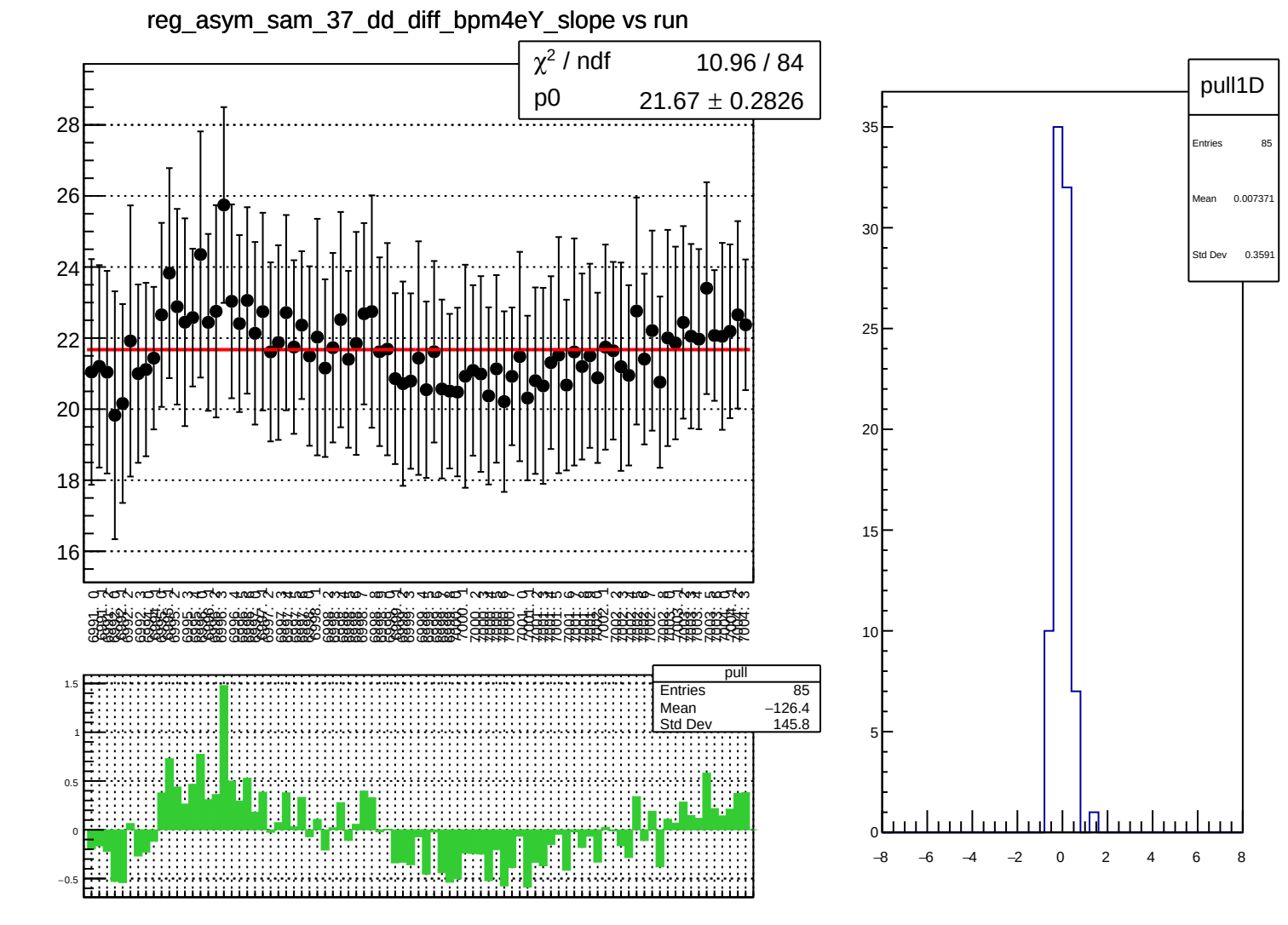

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 4.405 / 84
p0 0.4355 ± 0.02589
pull
Entries 85
Mean 1033
Std Dev 917.6

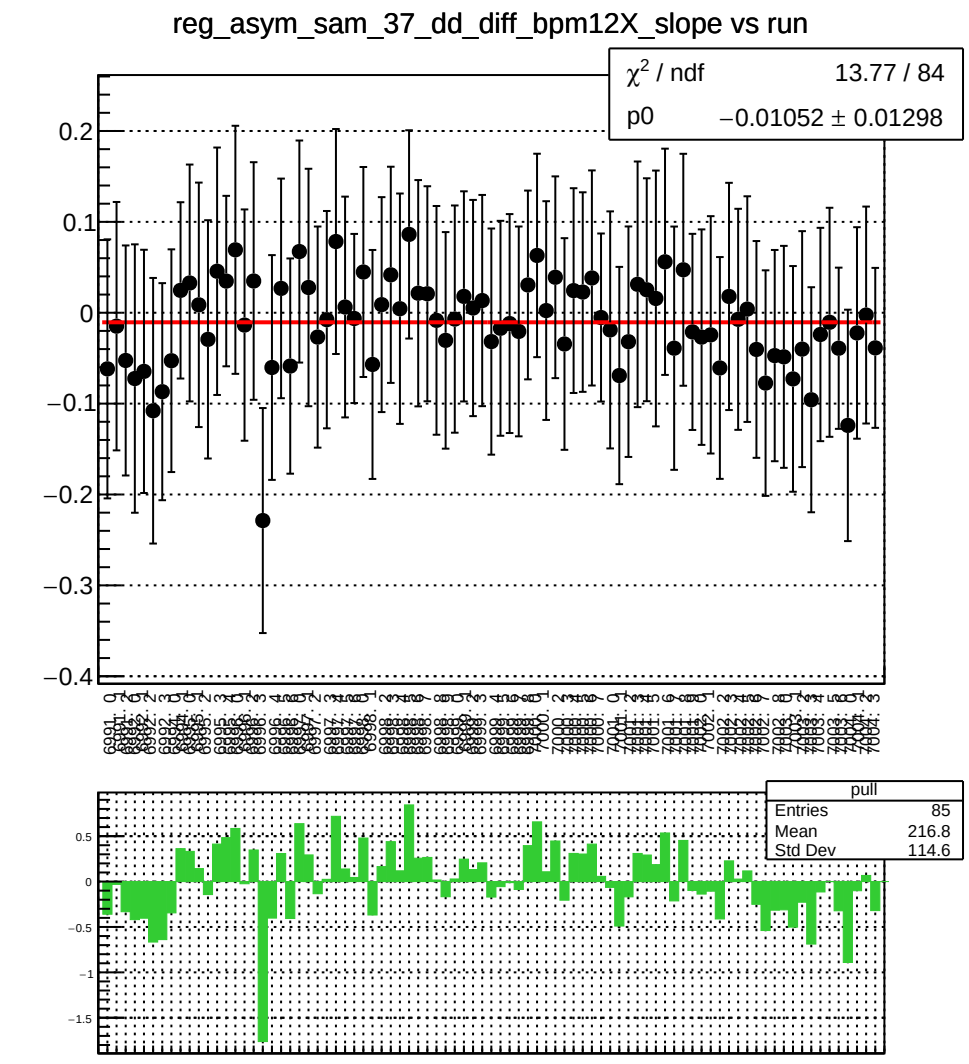

pull1D
Entries 85
Mean −0.0006237
Std Dev 0.2276

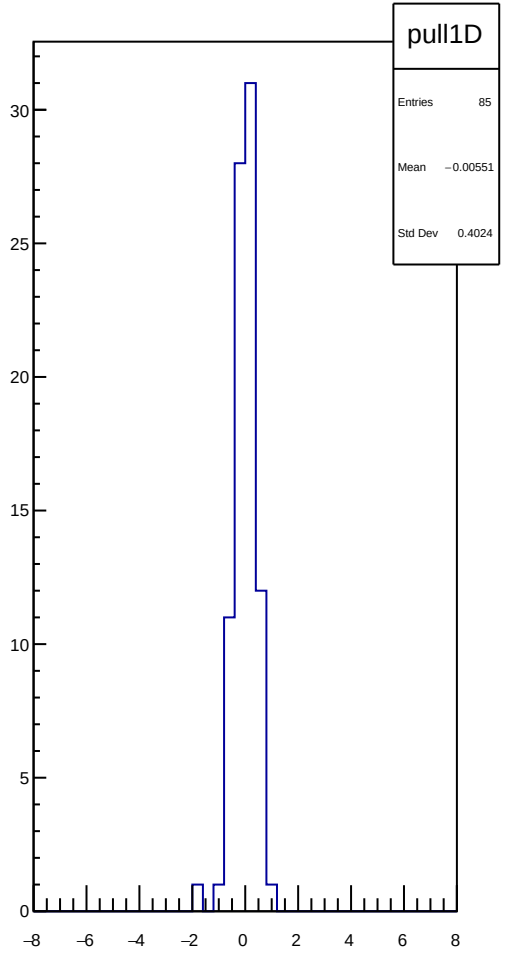

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 85.6 / 84
p0 −23.88 ± 0.3913
pull
Entries 85
Mean −128.1
Std Dev 174
pull1D
Entries 85
Mean −0.1231
Std Dev 0.4011

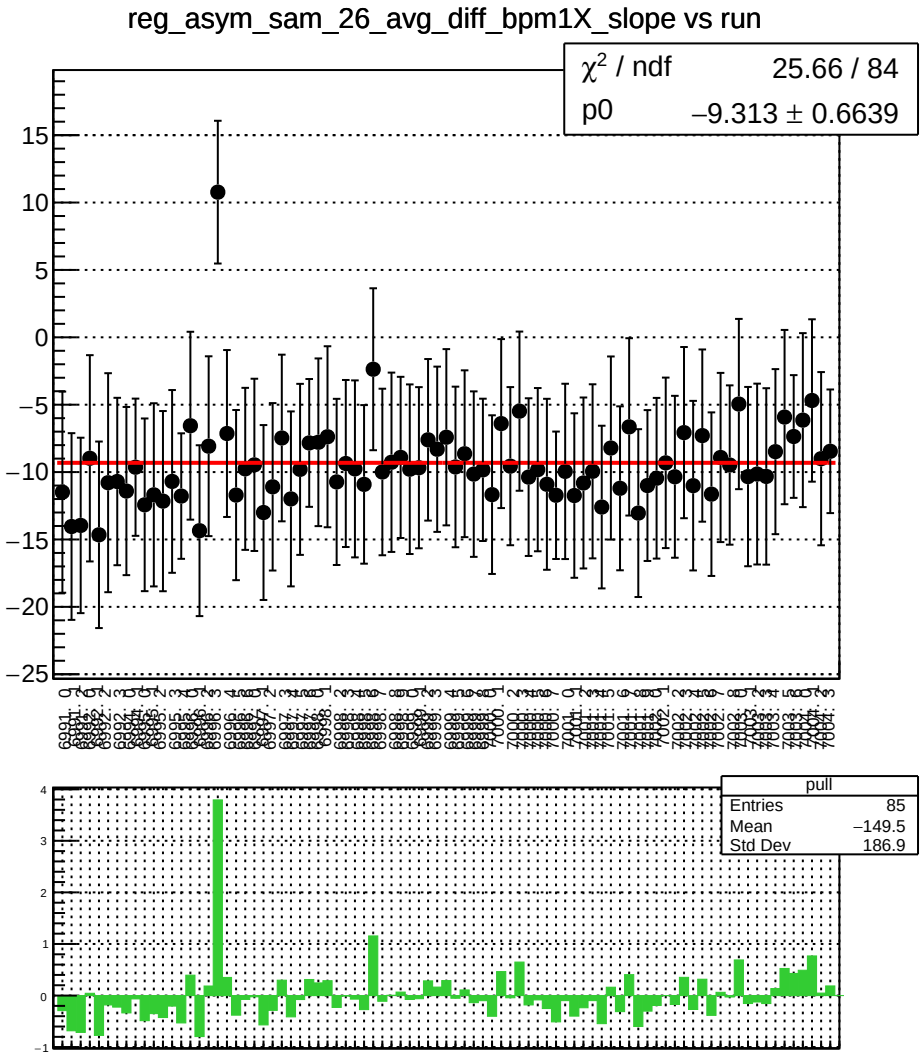

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.585 / 84
p0 −7.306 ± 0.2676
pull
Entries 85
Mean −45.27
Std Dev 75.74
pull1D
Entries 85
Mean −0.01387
Std Dev 0.3175

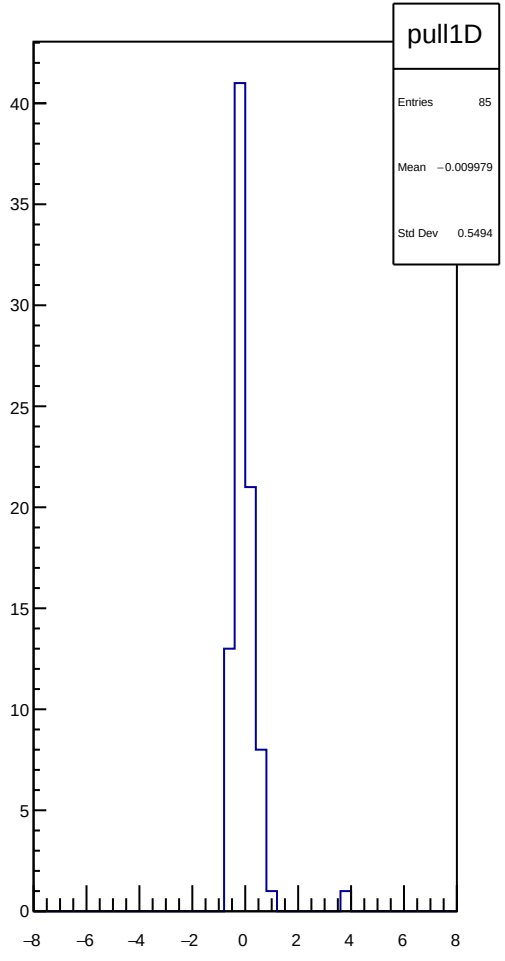

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.73 / 84
p0 −12.68 ± 0.3613
pull
Entries 85
Mean −152.1
Std Dev 204.8
pull1D
Entries 85
Mean 0.1134
Std Dev 0.37

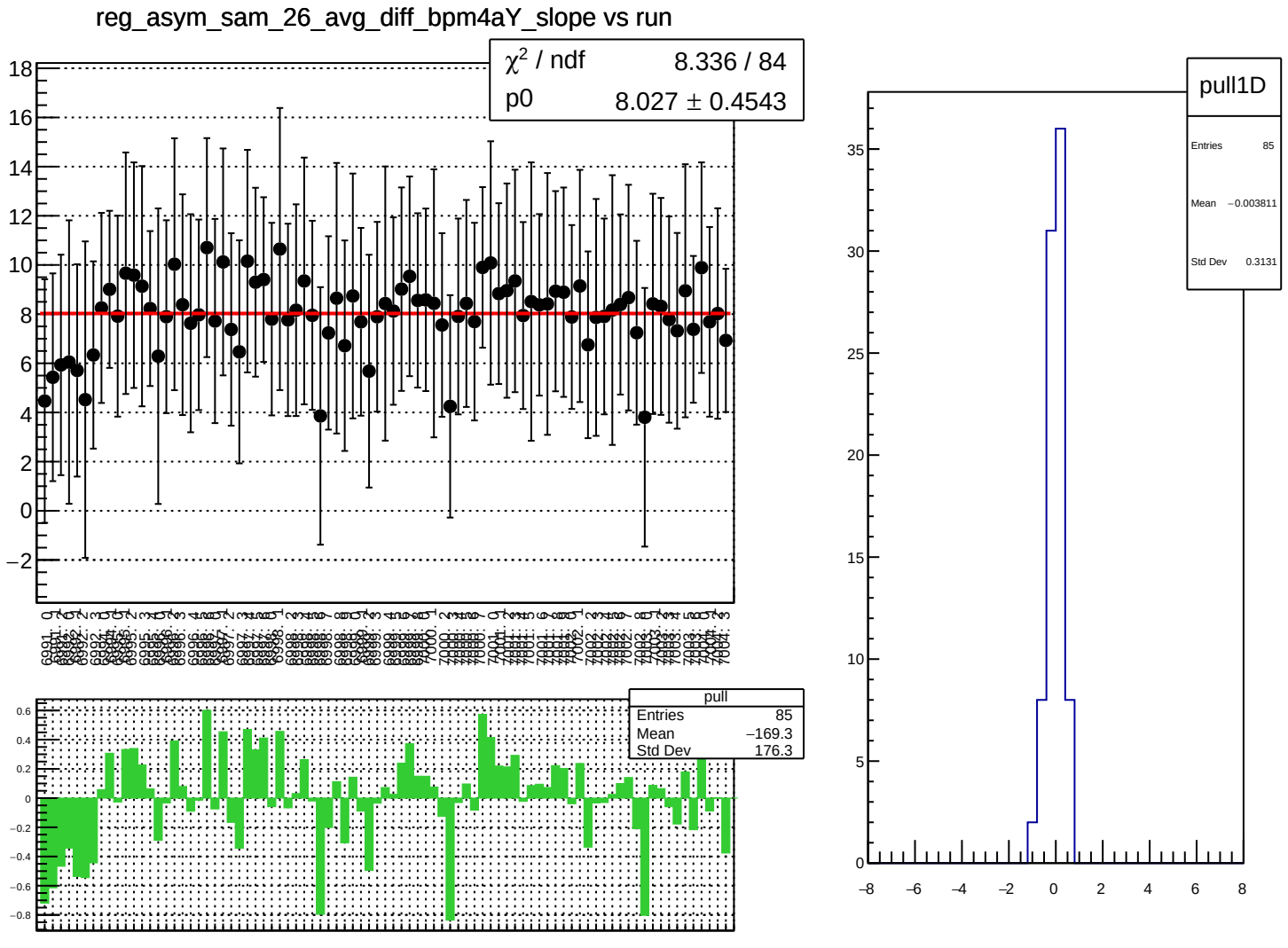

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.96 / 84
p0 21.67 ± 0.2826
pull
Entries 85
Mean −126.4
Std Dev 145.8
pull1D
Entries 85
Mean 0.007371
Std Dev 0.3591

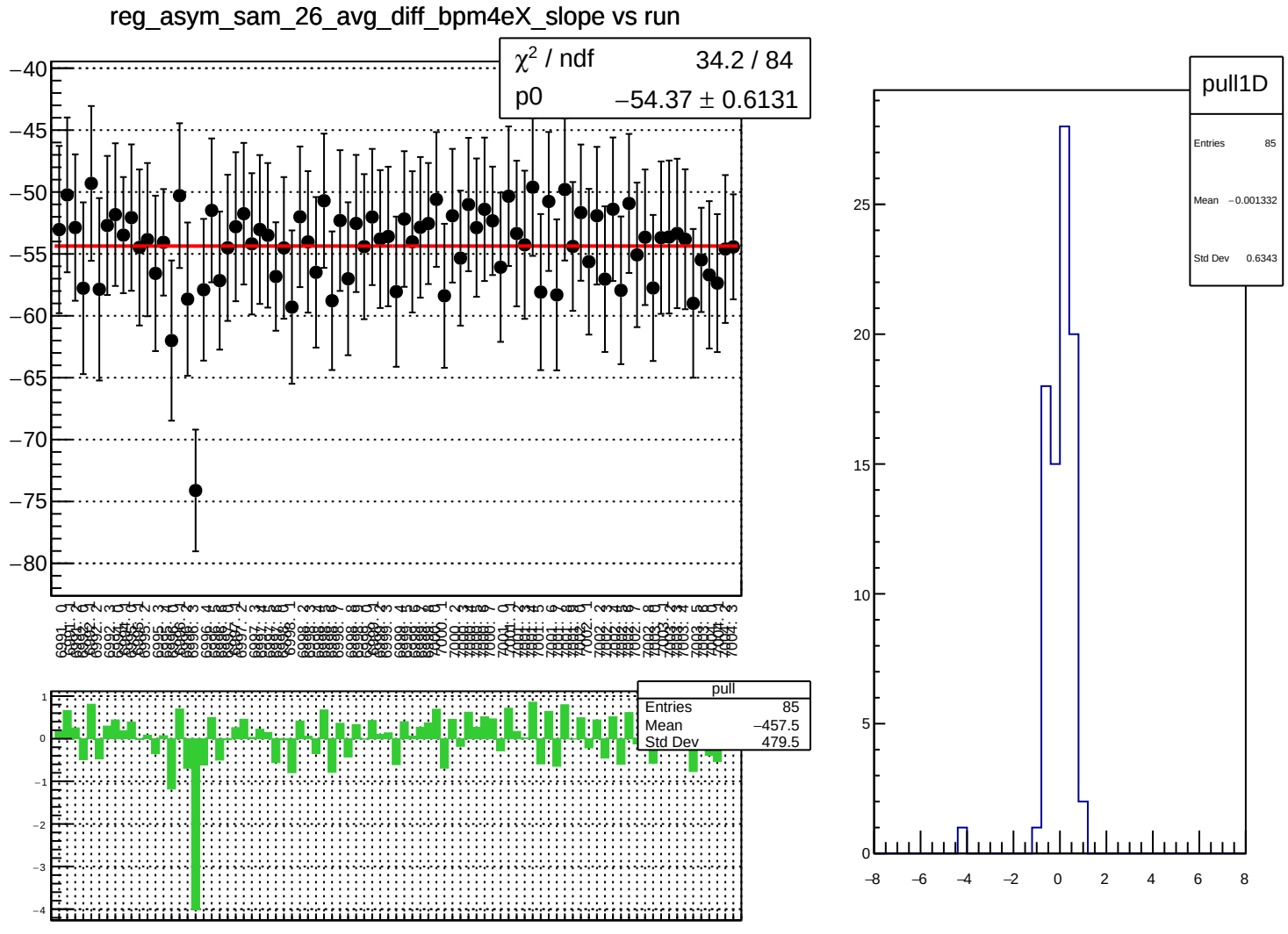

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 13.77 / 84
p0 −0.01052 ± 0.01298
pull
Entries 85
Mean 216.8
Std Dev 114.6

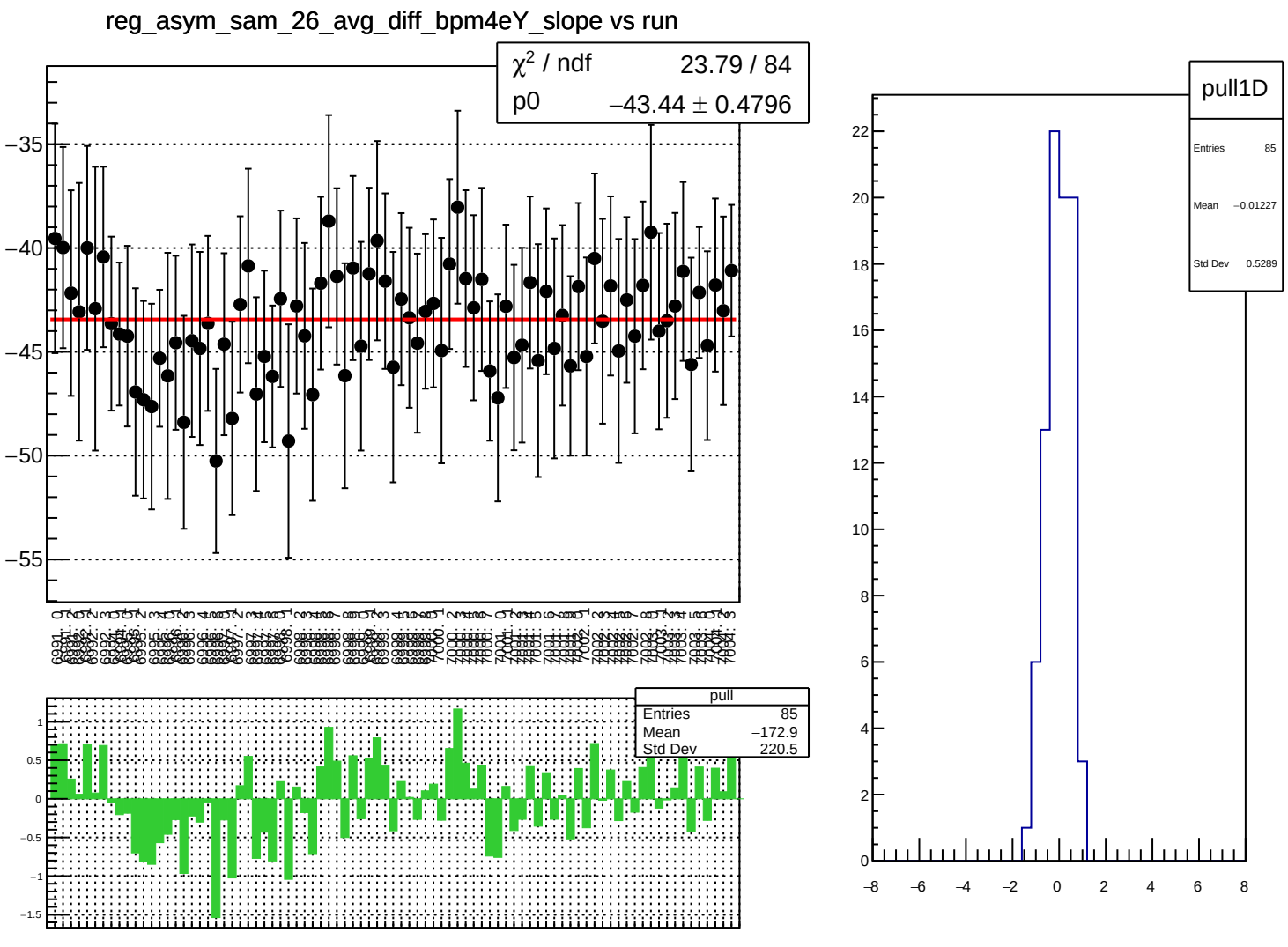

pull1D
Entries 85
Mean −0.00551
Std Dev 0.4024

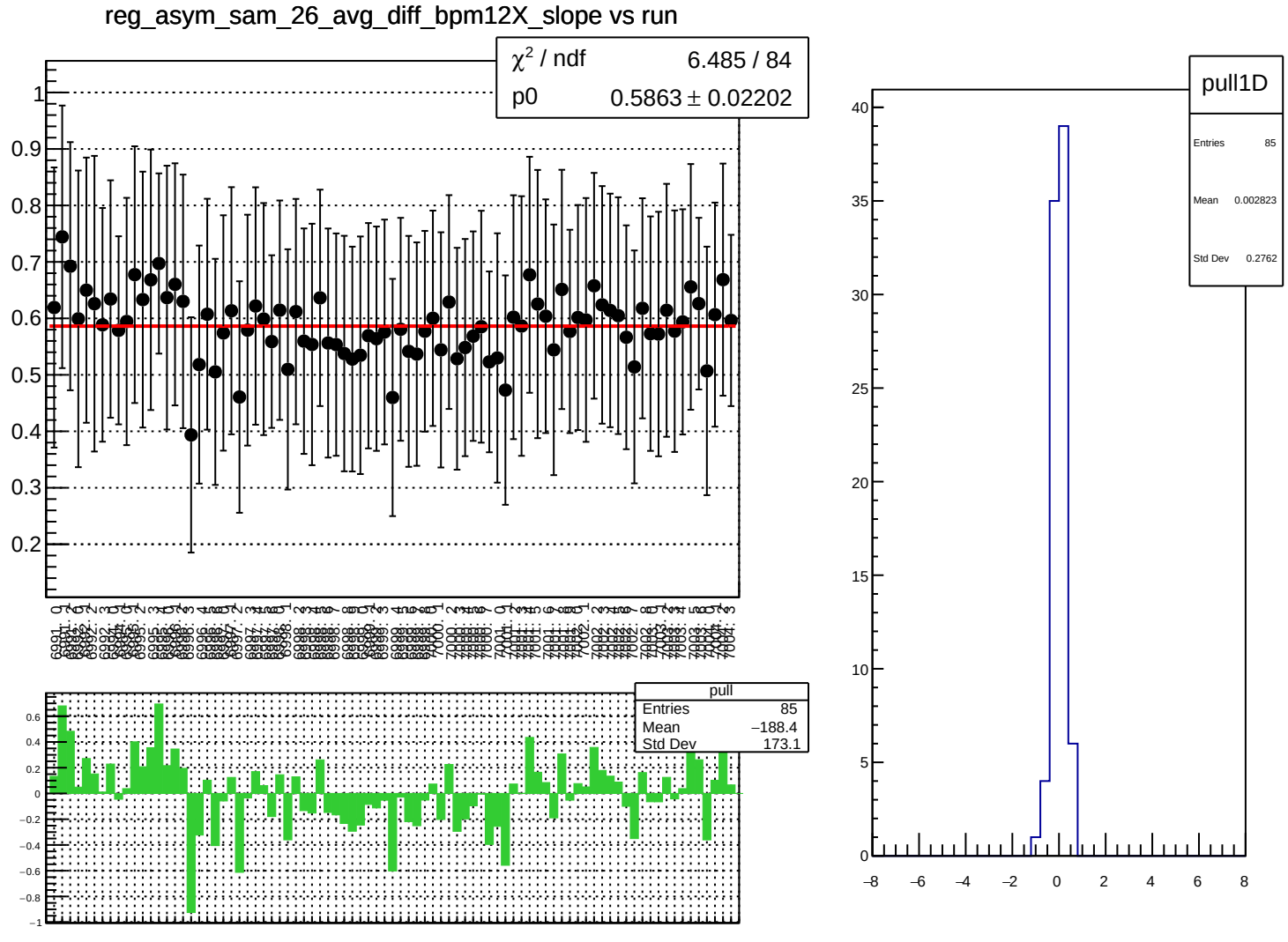

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 25.66 / 84
p0 −9.313 ± 0.6639
pull
Entries 85
Mean −149.5
Std Dev 186.9

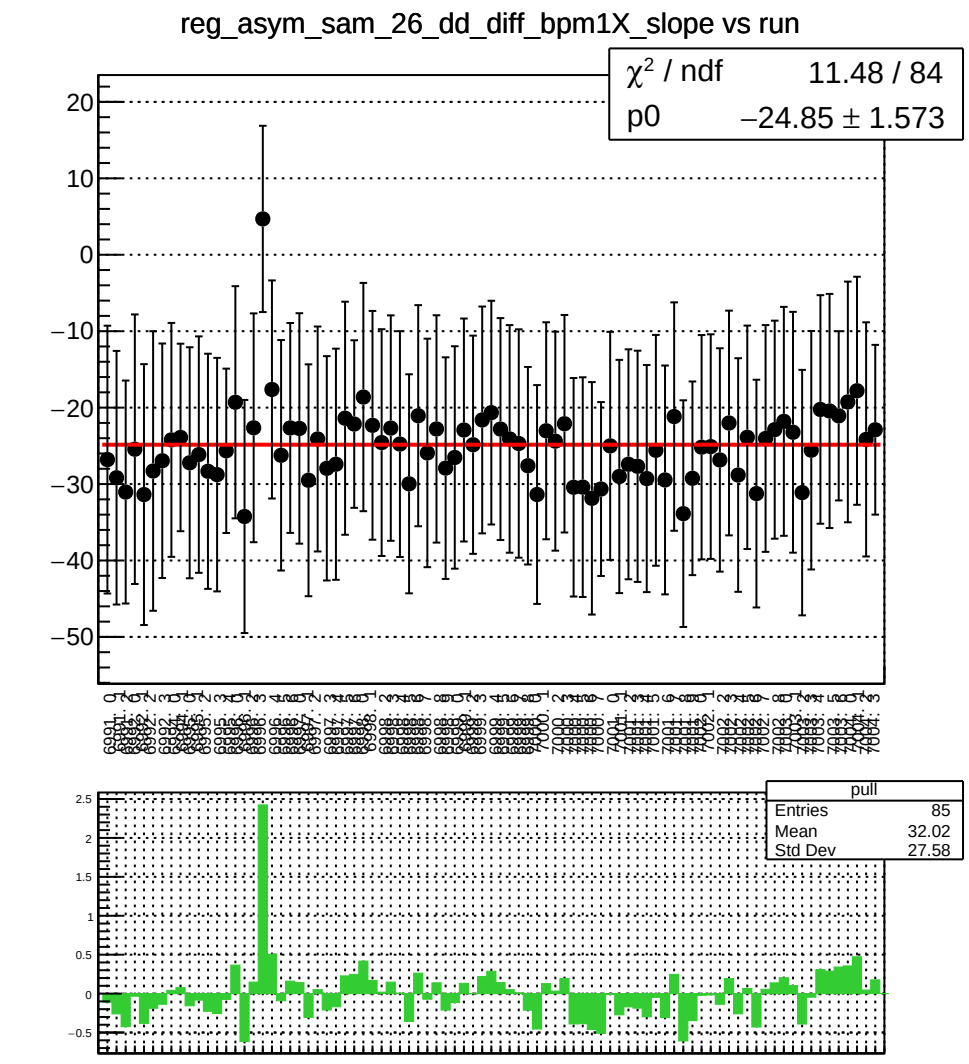

pull1D
Entries 85
Mean −0.009979
Std Dev 0.5494

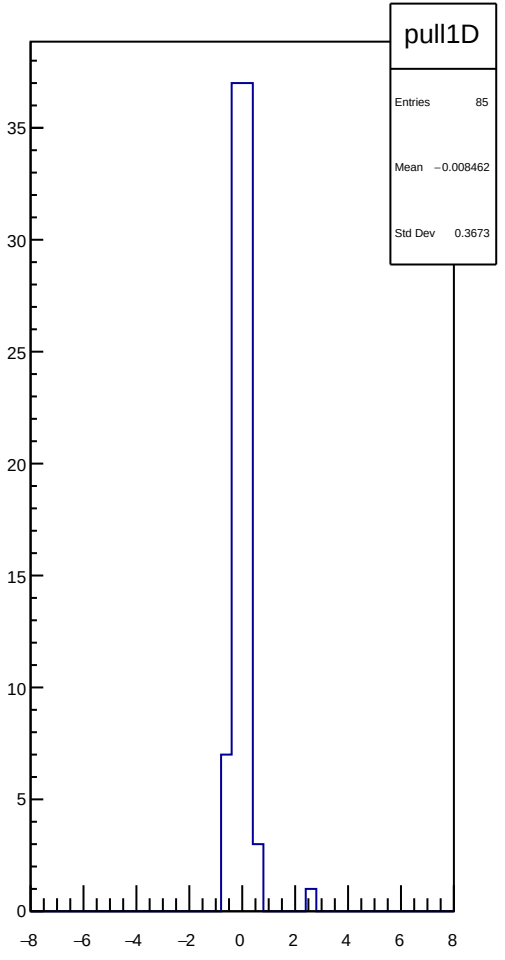

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.336 / 84
p0 8.027 ± 0.4543
pull
Entries 85
Mean −169.3
Std Dev 176.3
pull1D
Entries 85
Mean −0.003811
Std Dev 0.3131

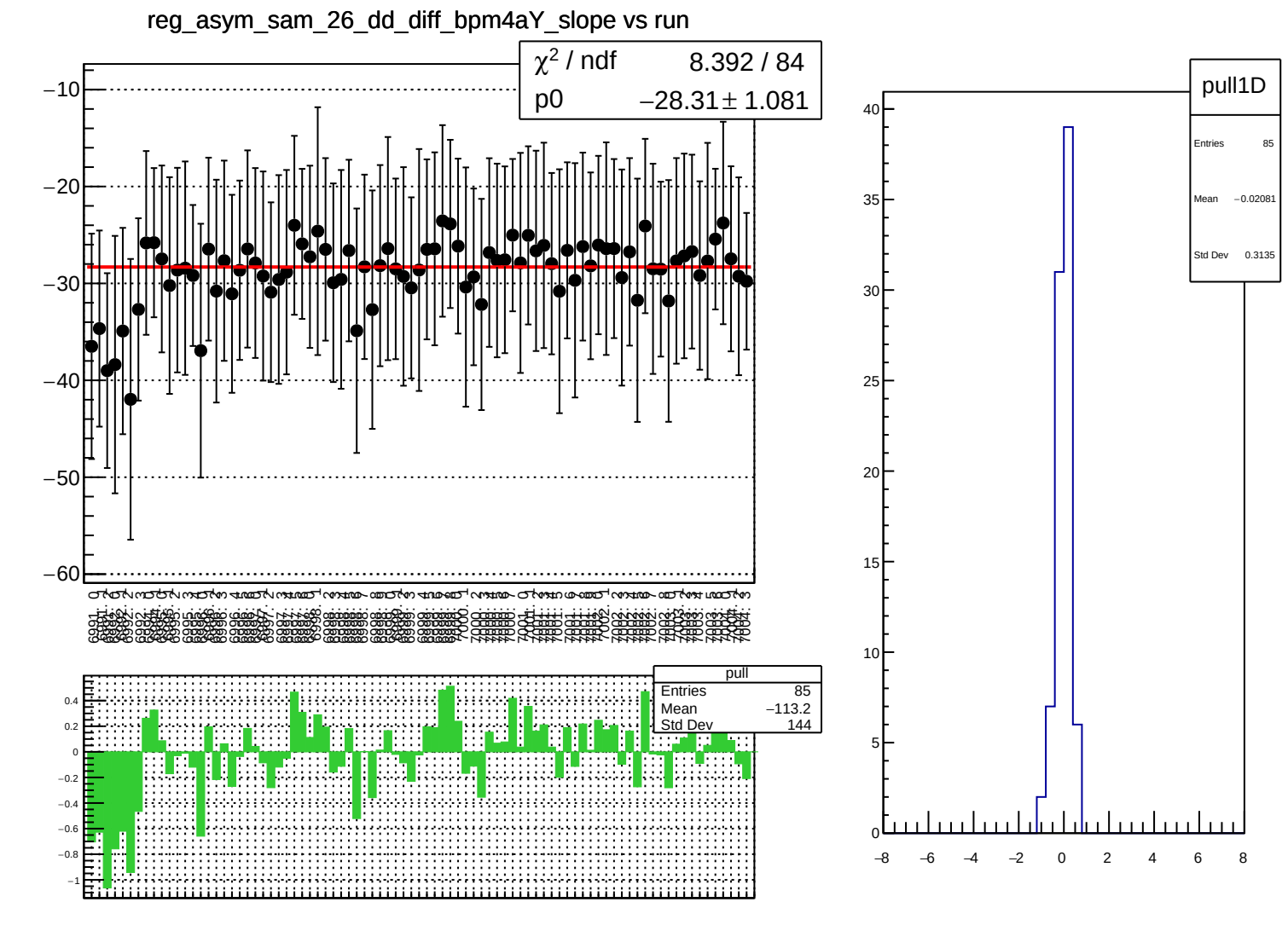

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.2 / 84
p0 −54.37 ± 0.6131
pull
Entries 85
Mean −457.5
Std Dev 479.5
pull1D
Entries 85
Mean −0.001332
Std Dev 0.6343

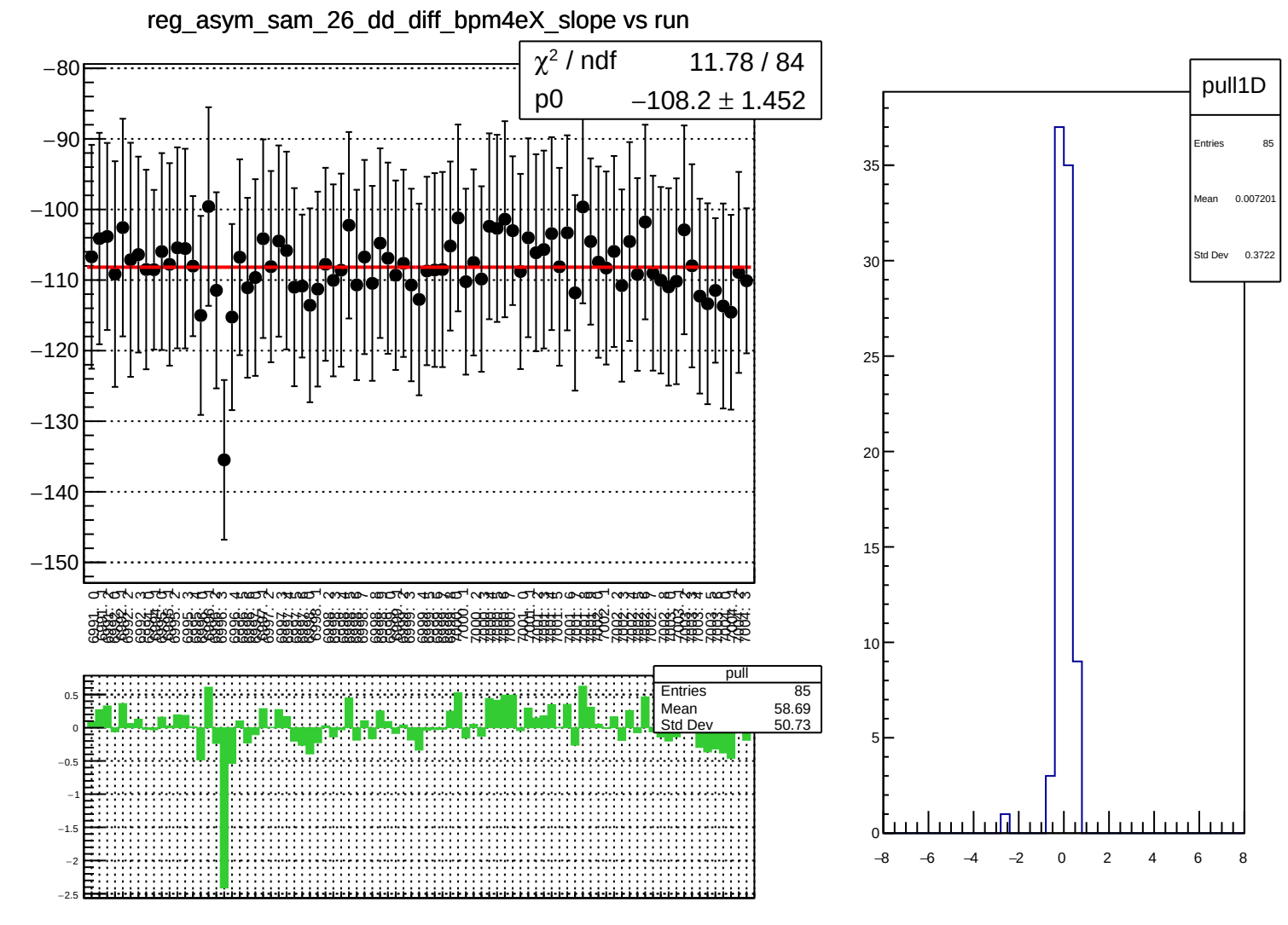

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.79 / 84
p0 −43.44 ± 0.4796
pull
Entries 85
Mean −172.9
Std Dev 220.5
pull1D
Entries 85
Mean −0.01227
Std Dev 0.5289

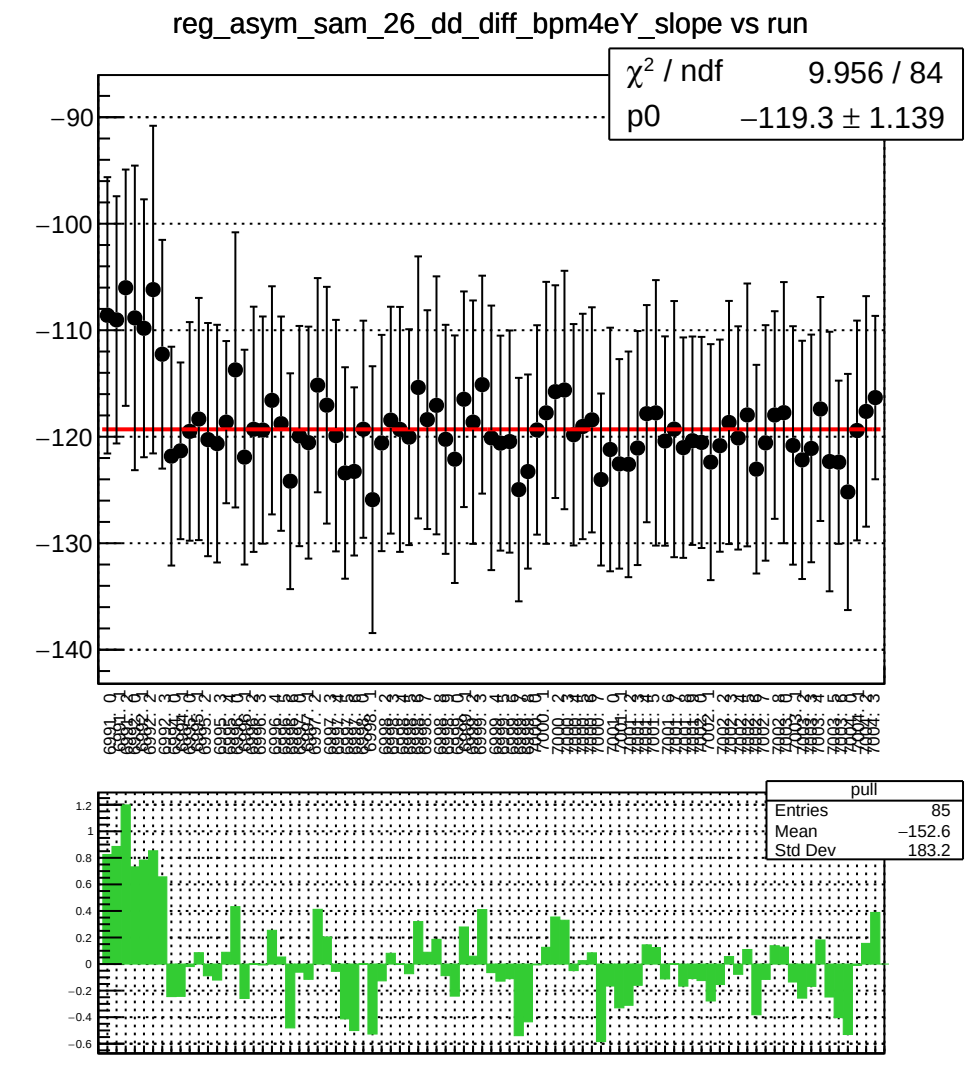

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 6.485 / 84
p0 0.5863 ± 0.02202
pull
Entries 85
Mean −188.4
Std Dev 173.1
pull1D
Entries 85
Mean 0.002823
Std Dev 0.2762

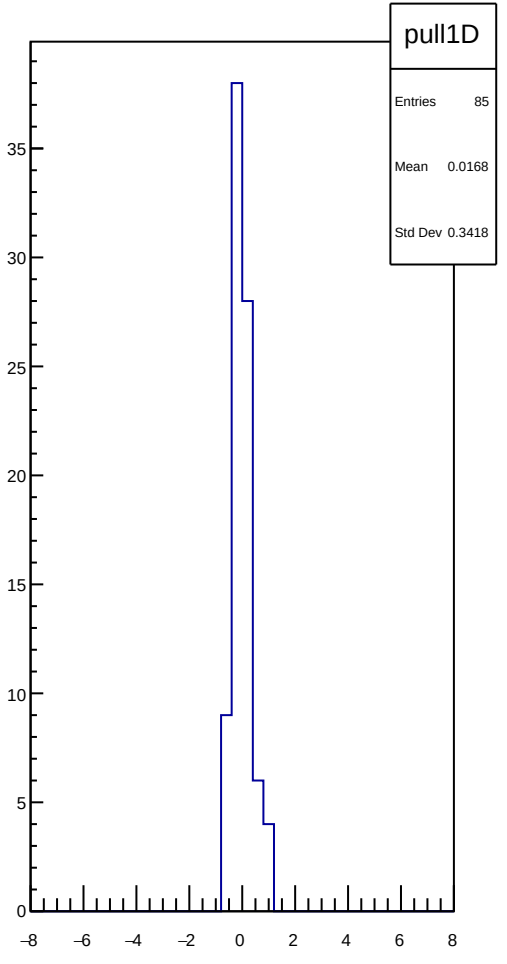

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.48 / 84
p0 −24.85 ± 1.573
pull
Entries 85
Mean 32.02
Std Dev 27.58

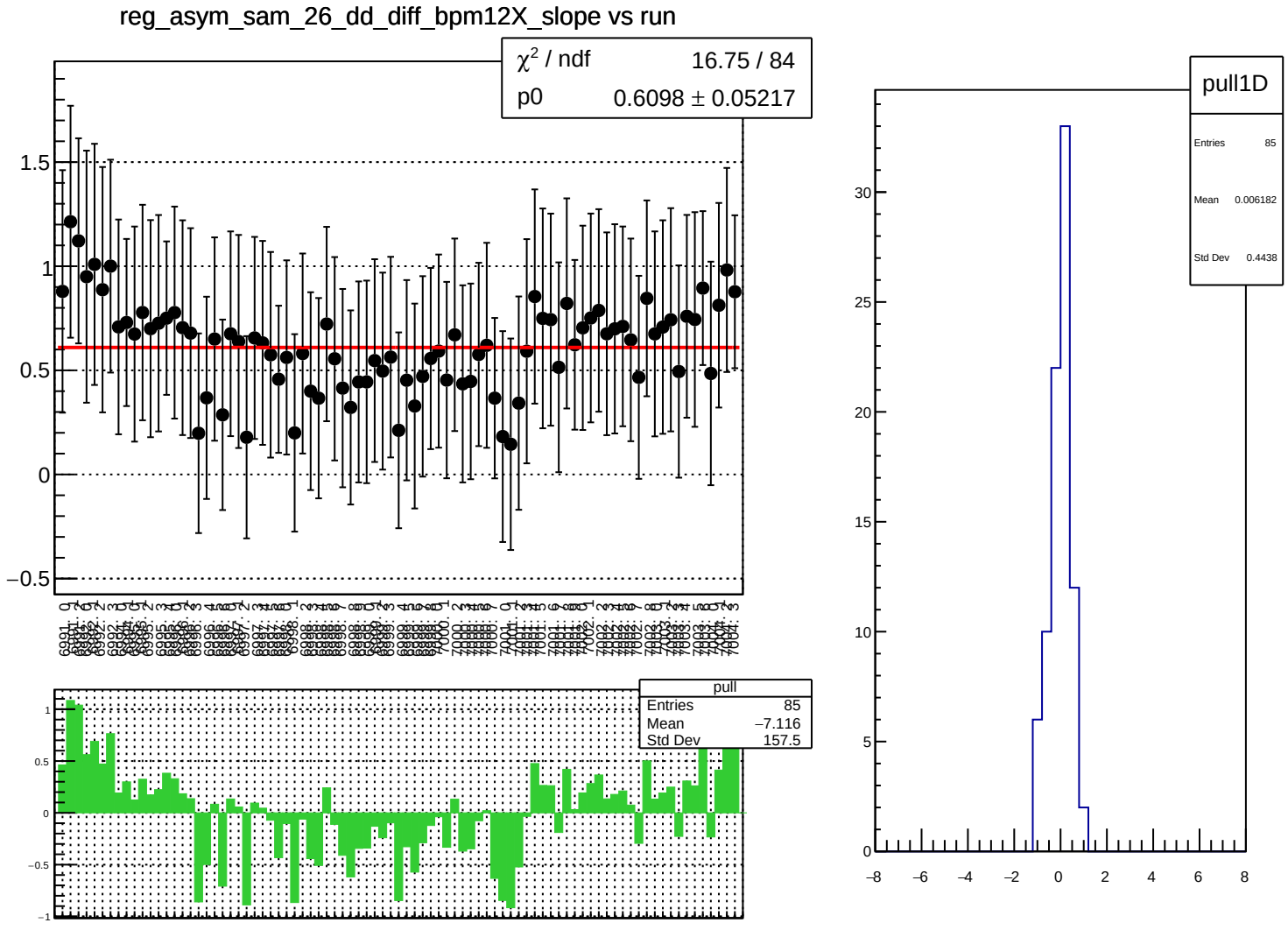

pull1D
Entries 85
Mean −0.008462
Std Dev 0.3673

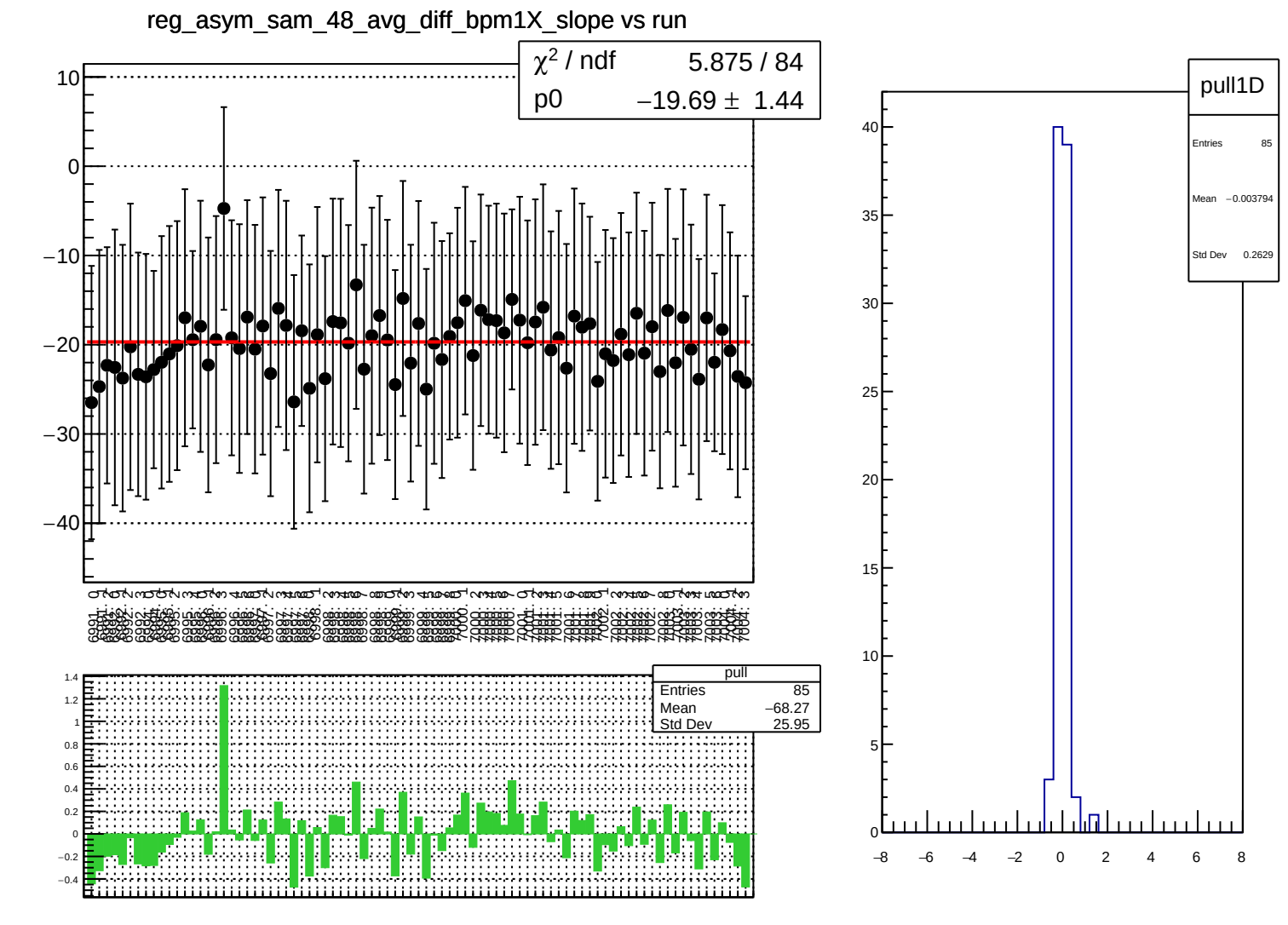

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.392 / 84
p0 −28.31 ± 1.081
−10
−20
−30
−40
−50
−60
pull
Entries 85
Mean −113.2
Std Dev 144
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 85
Mean −0.02081
Std Dev 0.3135
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

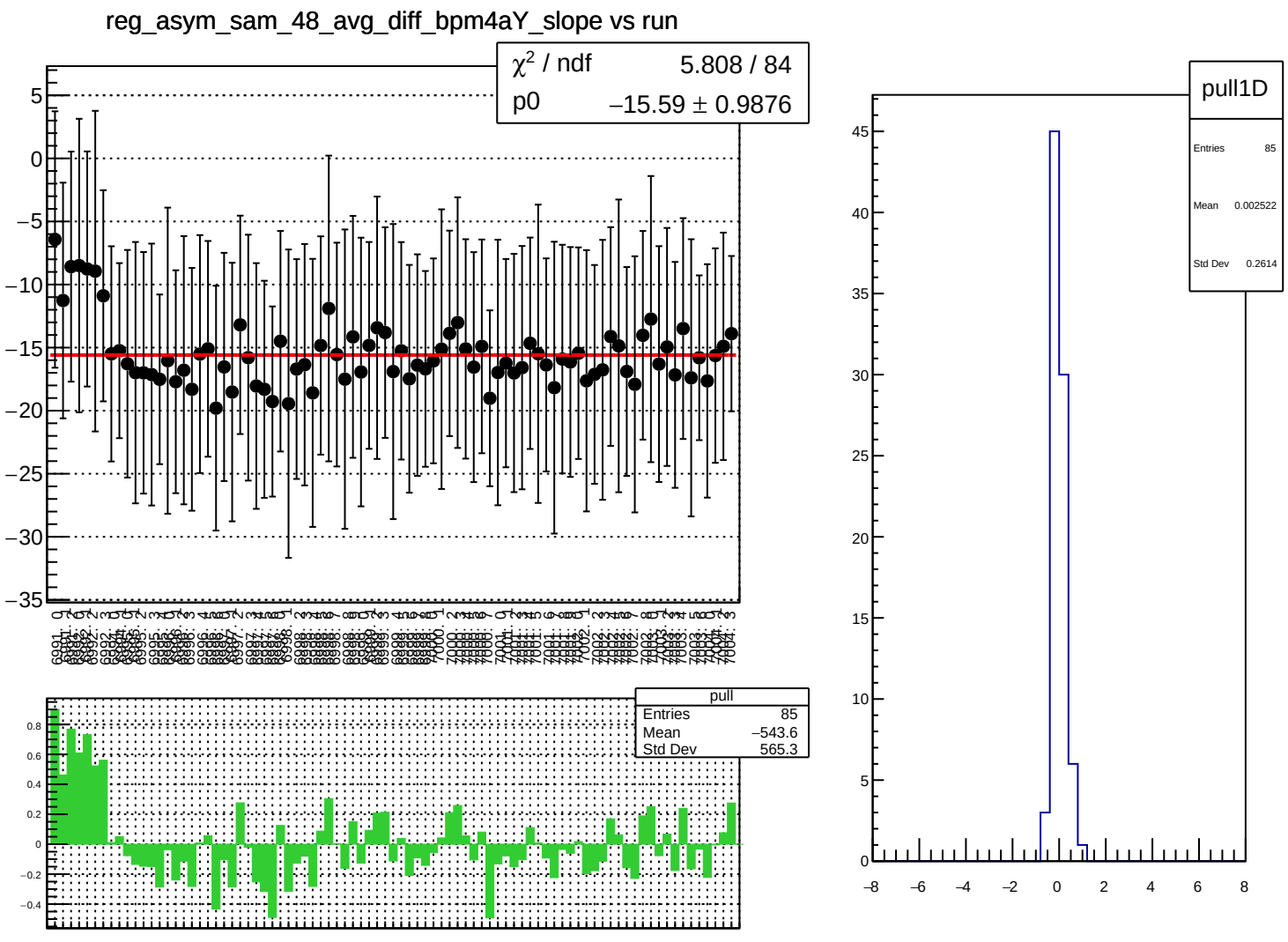

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.78 / 84
p0 −108.2 ± 1.452
pull
Entries 85
Mean 58.69
Std Dev 50.73
pull1D
Entries 85
Mean 0.007201
Std Dev 0.3722

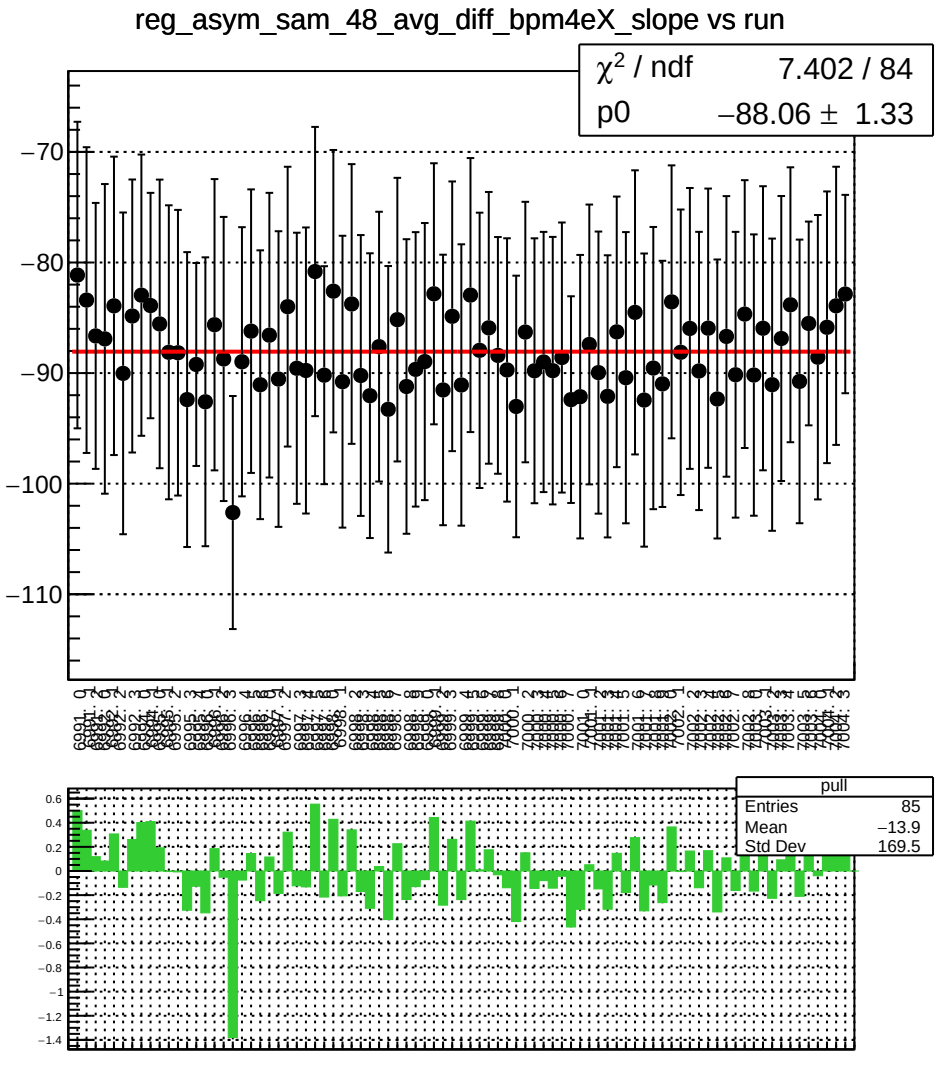

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.956 / 84
p0 −119.3 ± 1.139
−90
−100
−110
−120
−130
−140
pull
Entries 85
Mean −152.6
Std Dev 183.2
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

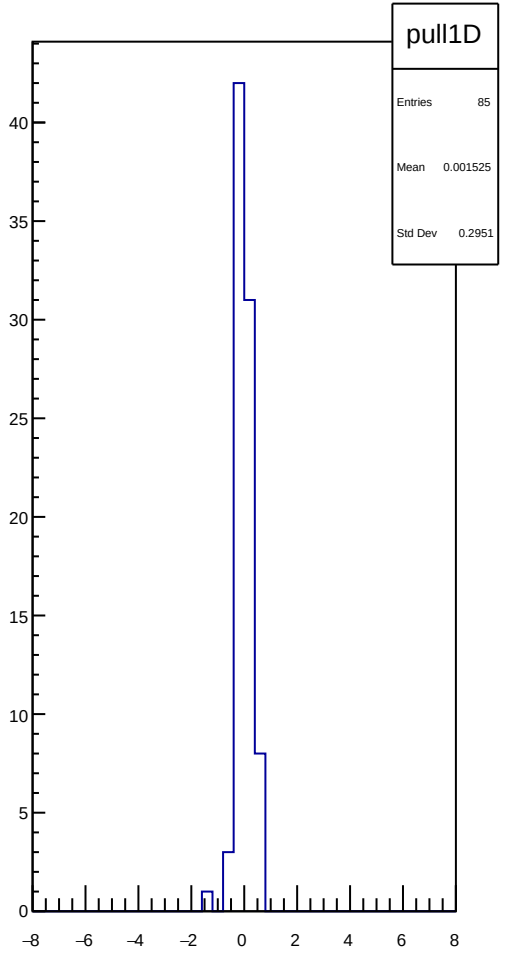

pull1D
Entries 85
Mean 0.0168
Std Dev 0.3418
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

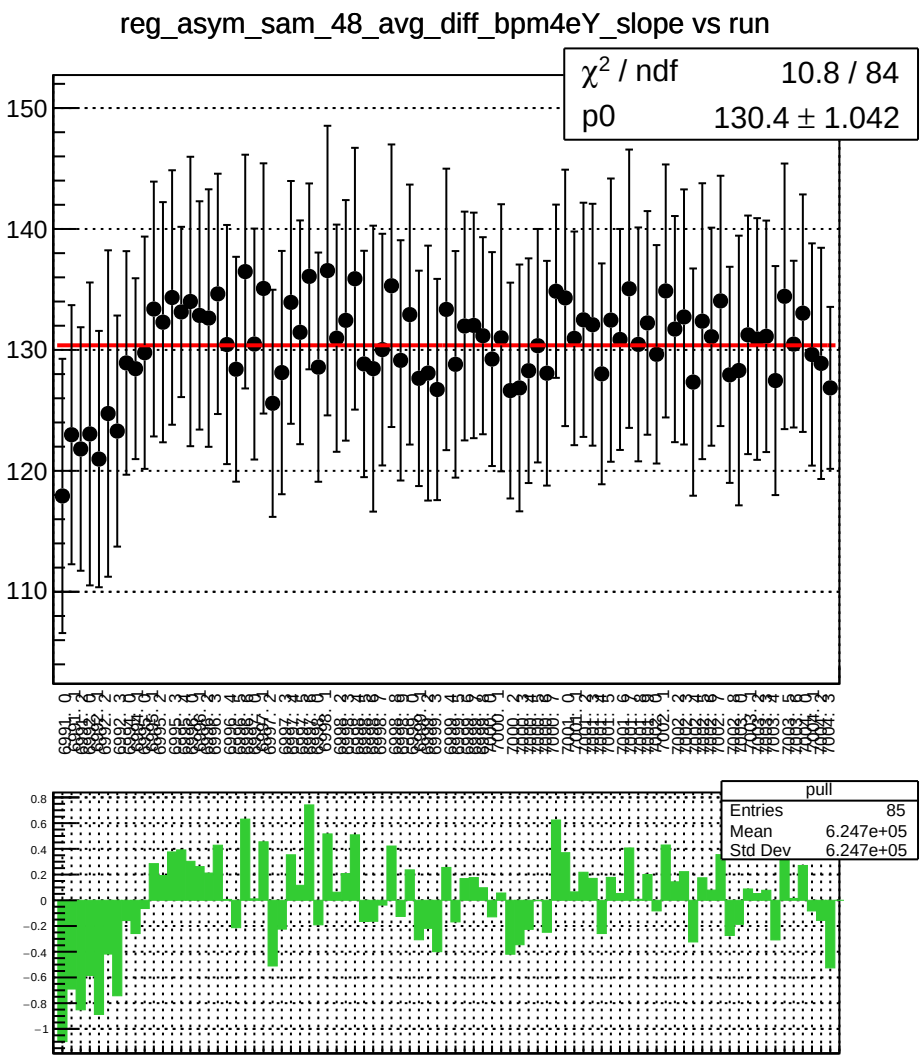

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 16.75 / 84
p0 0.6098 ± 0.05217
pull
Entries 85
Mean −7.116
Std Dev 157.5
pull1D
Entries 85
Mean 0.006182
Std Dev 0.4438

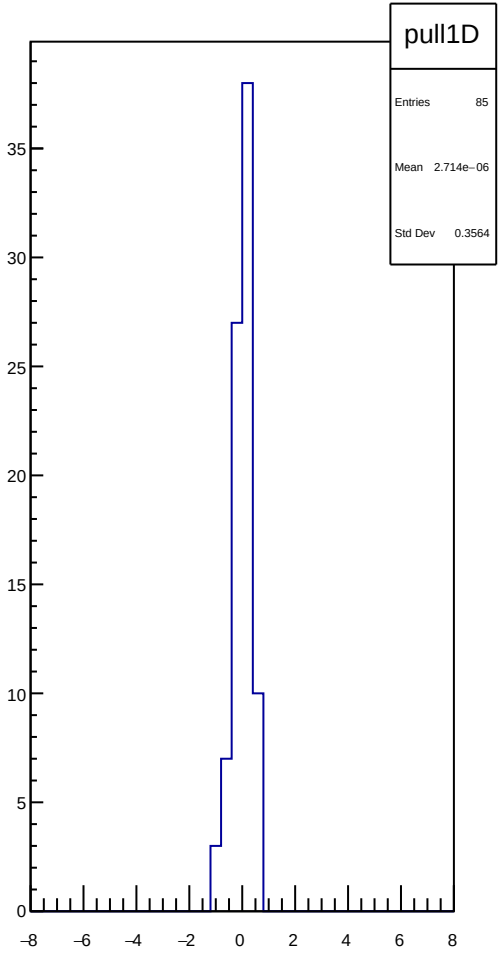

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 5.875 / 84
p0 −19.69 ± 1.44
pull
Entries 85
Mean −68.27
Std Dev 25.95
pull1D
Entries 85
Mean −0.003794
Std Dev 0.2629

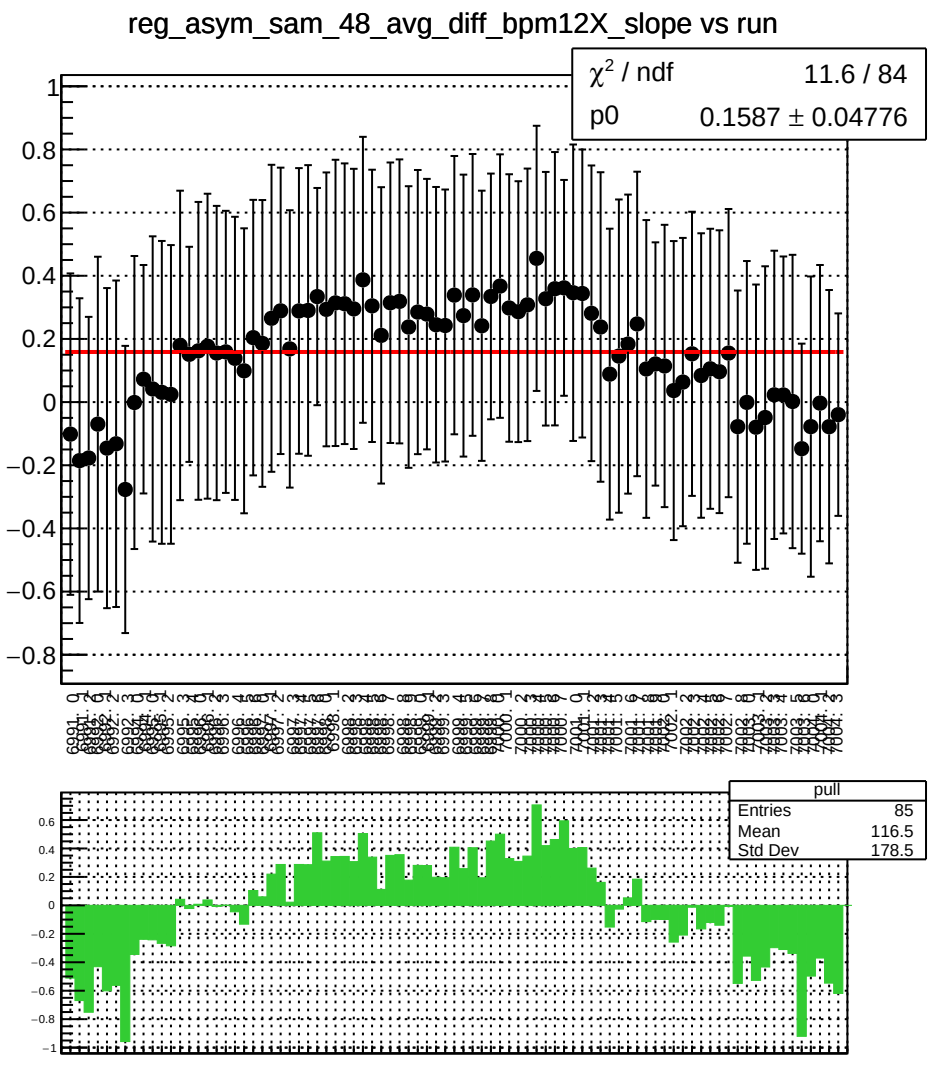

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.808 / 84
p0 −15.59 ± 0.9876
pull
Entries 85
Mean −543.6
Std Dev 565.3
pull1D
Entries 85
Mean 0.002522
Std Dev 0.2614

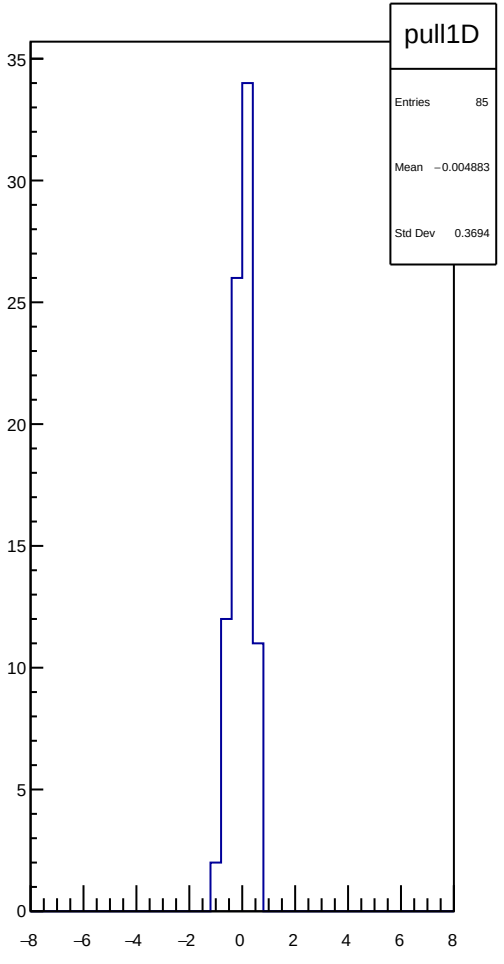

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.402 / 84
p0 −88.06 ± 1.33
−70
−80
−90
−100
−110
pull
Entries 85
Mean −13.9
Std Dev 169.5
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

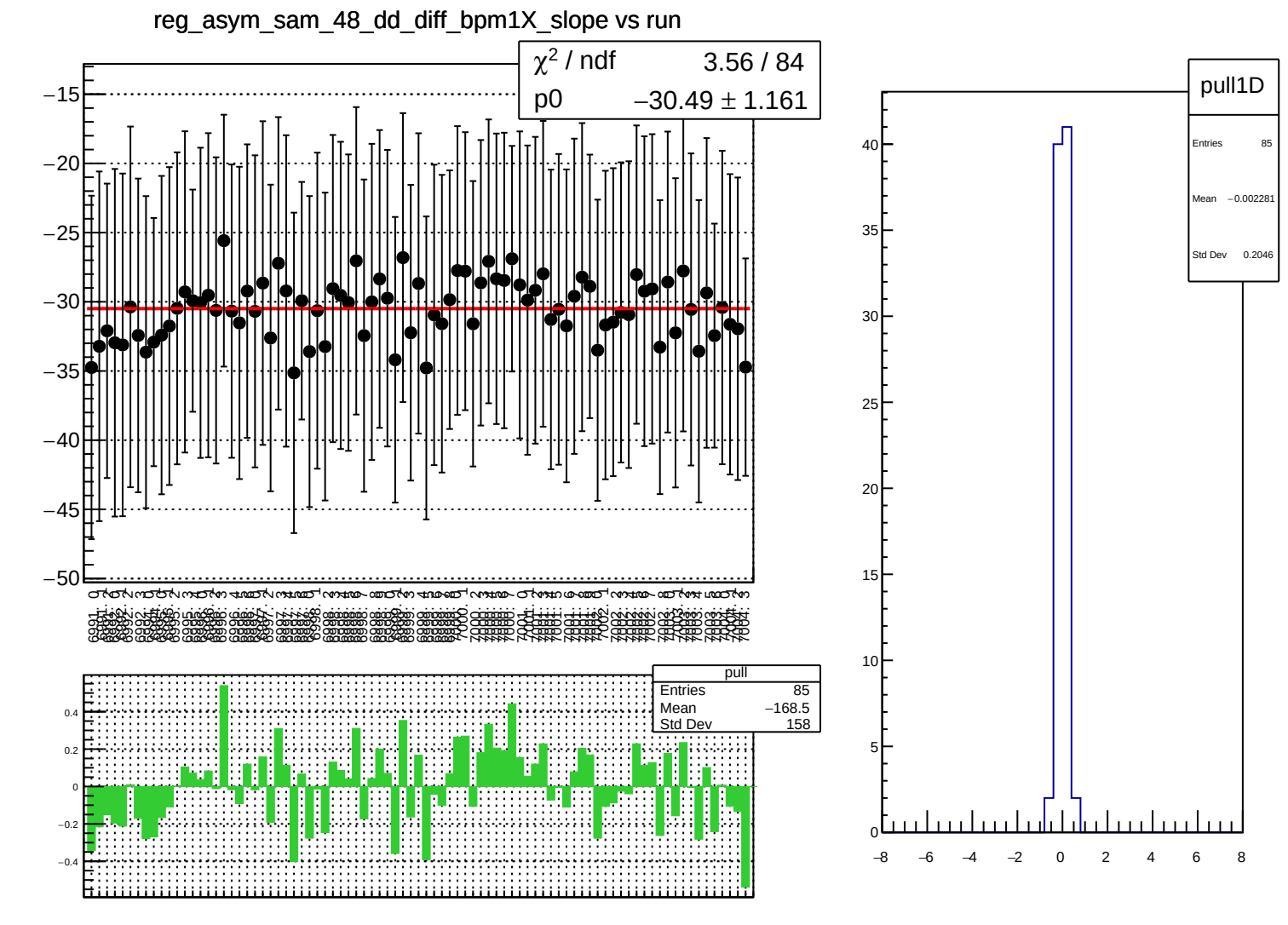

pull1D
Entries 85
Mean 0.001525
Std Dev 0.2951
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

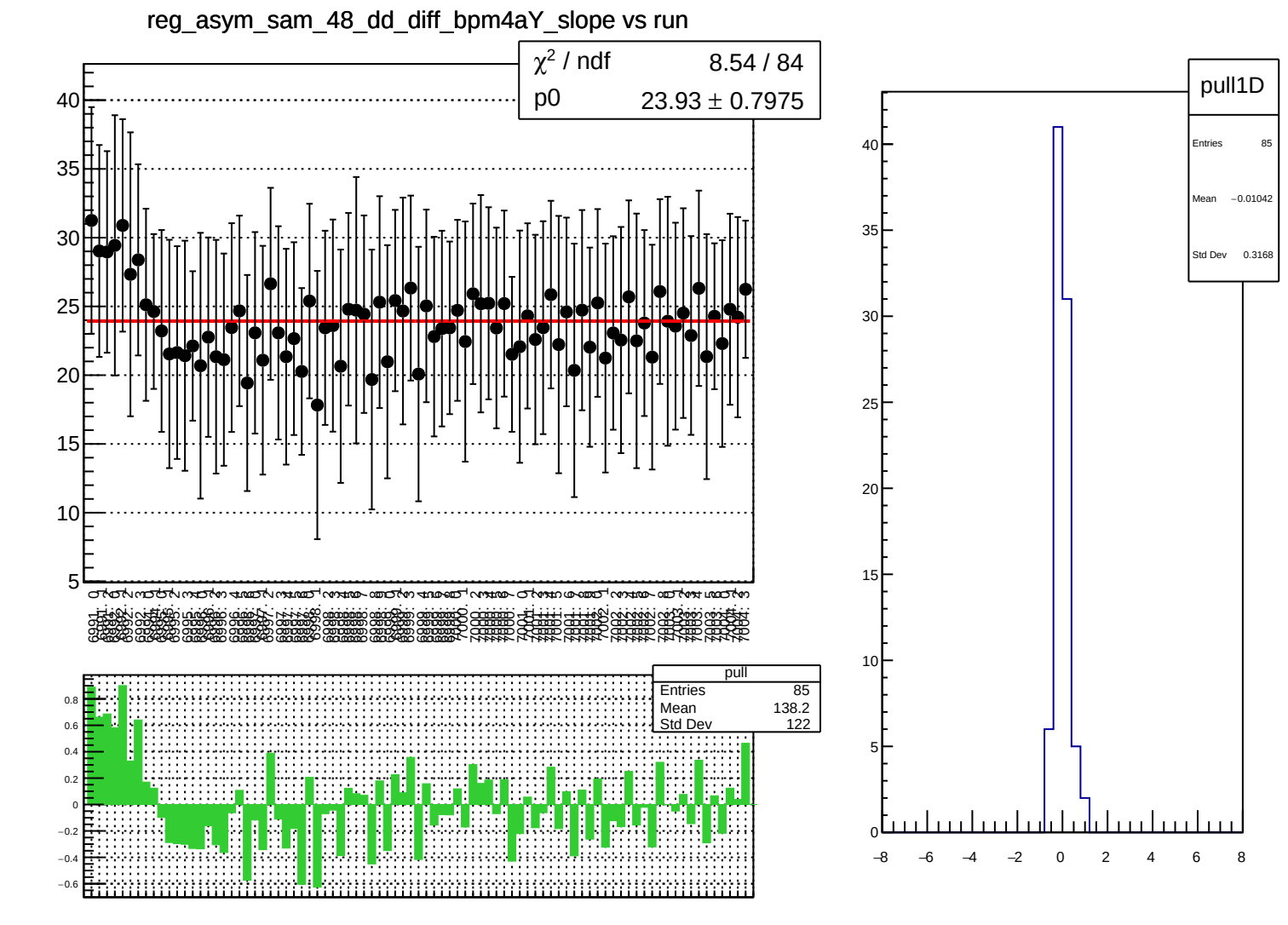

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.8 / 84
p0 130.4 ± 1.042
150
140
130
120
110
pull
Entries 85
Mean 6.247e+05
Std Dev 6.247e+05
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

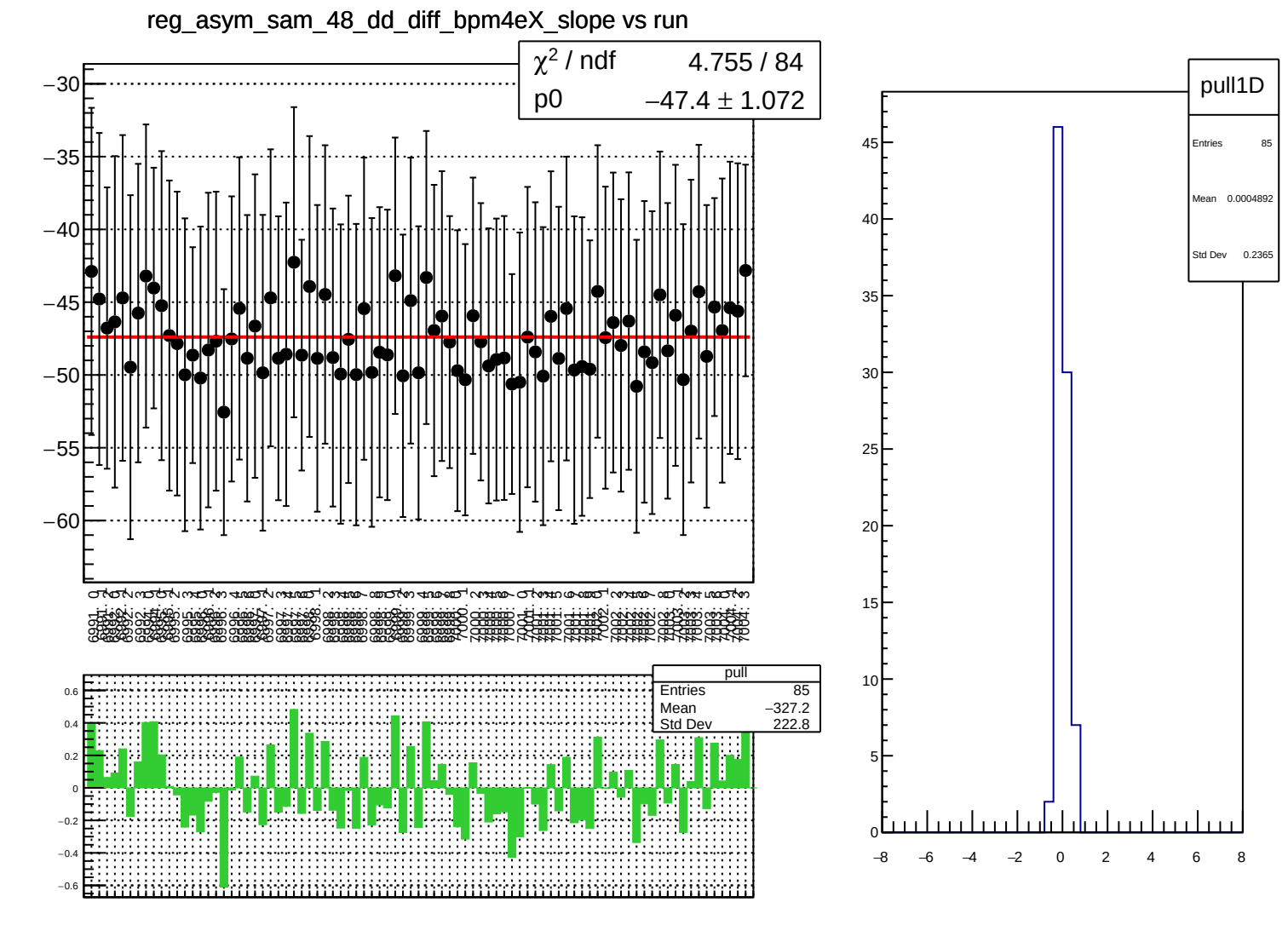

pull1D
Entries 85
Mean 2.714e−06
Std Dev 0.3564
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

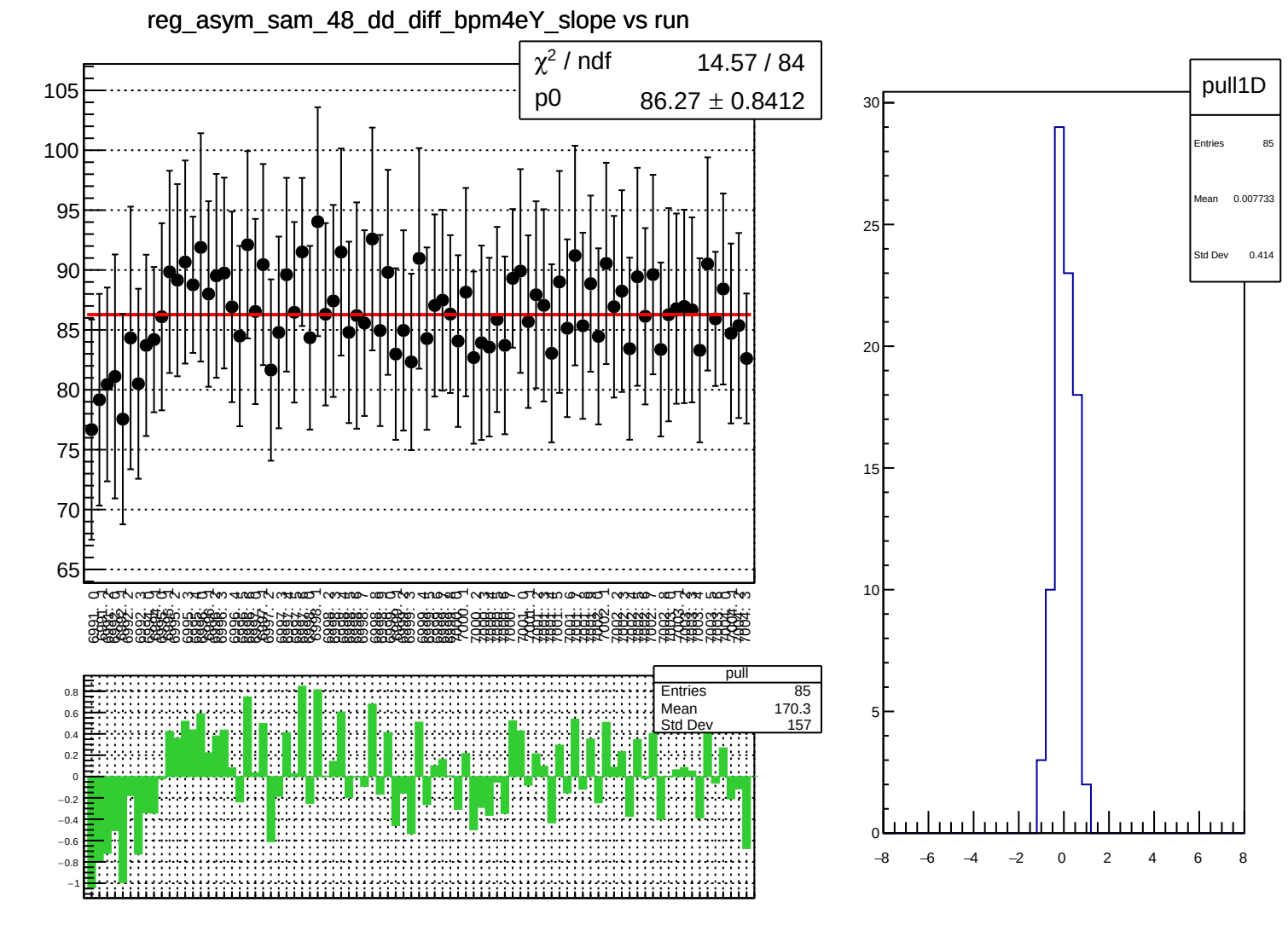

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 11.6 / 84
p0 0.1587 ± 0.04776
pull
Entries 85
Mean 116.5
Std Dev 178.5

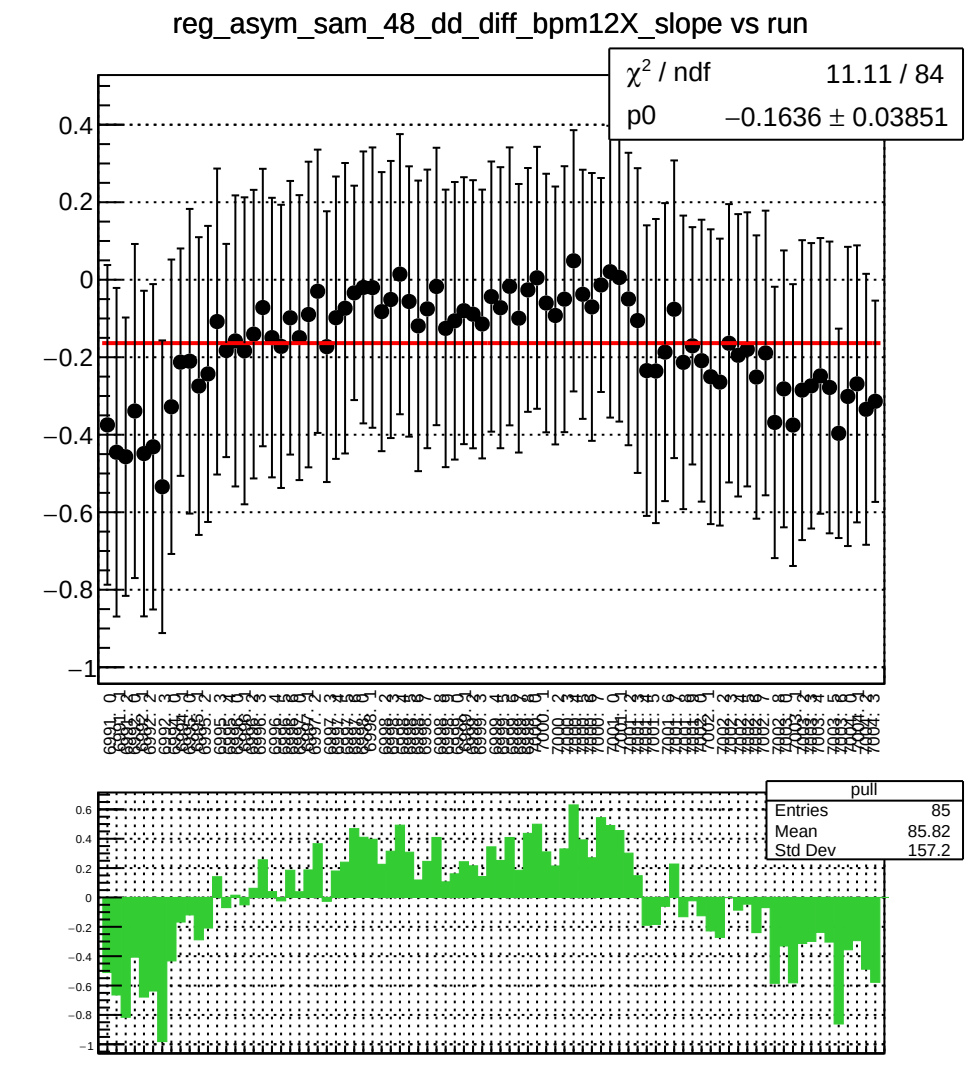

pull1D
Entries 85
Mean −0.004883
Std Dev 0.3694

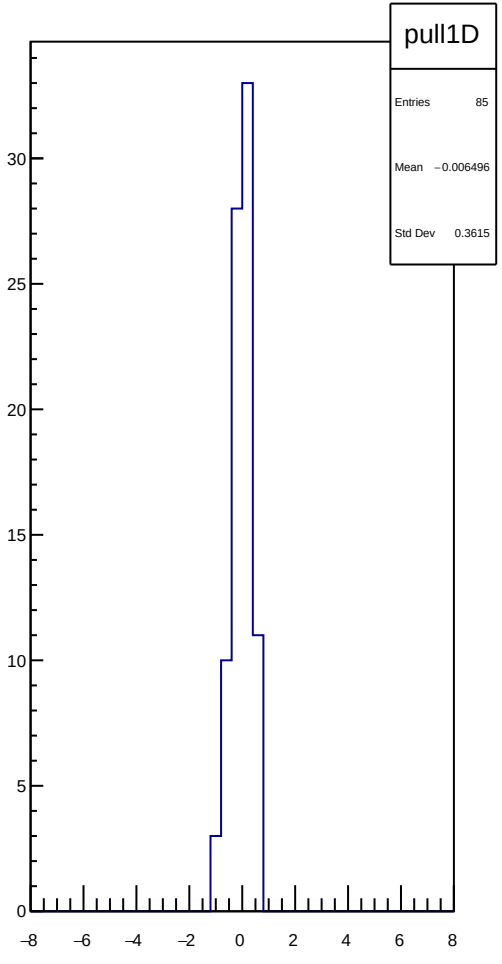

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.56 / 84
p0 −30.49 ± 1.161
pull
Entries 85
Mean −168.5
Std Dev 158
pull1D
Entries 85
Mean −0.002281
Std Dev 0.2046

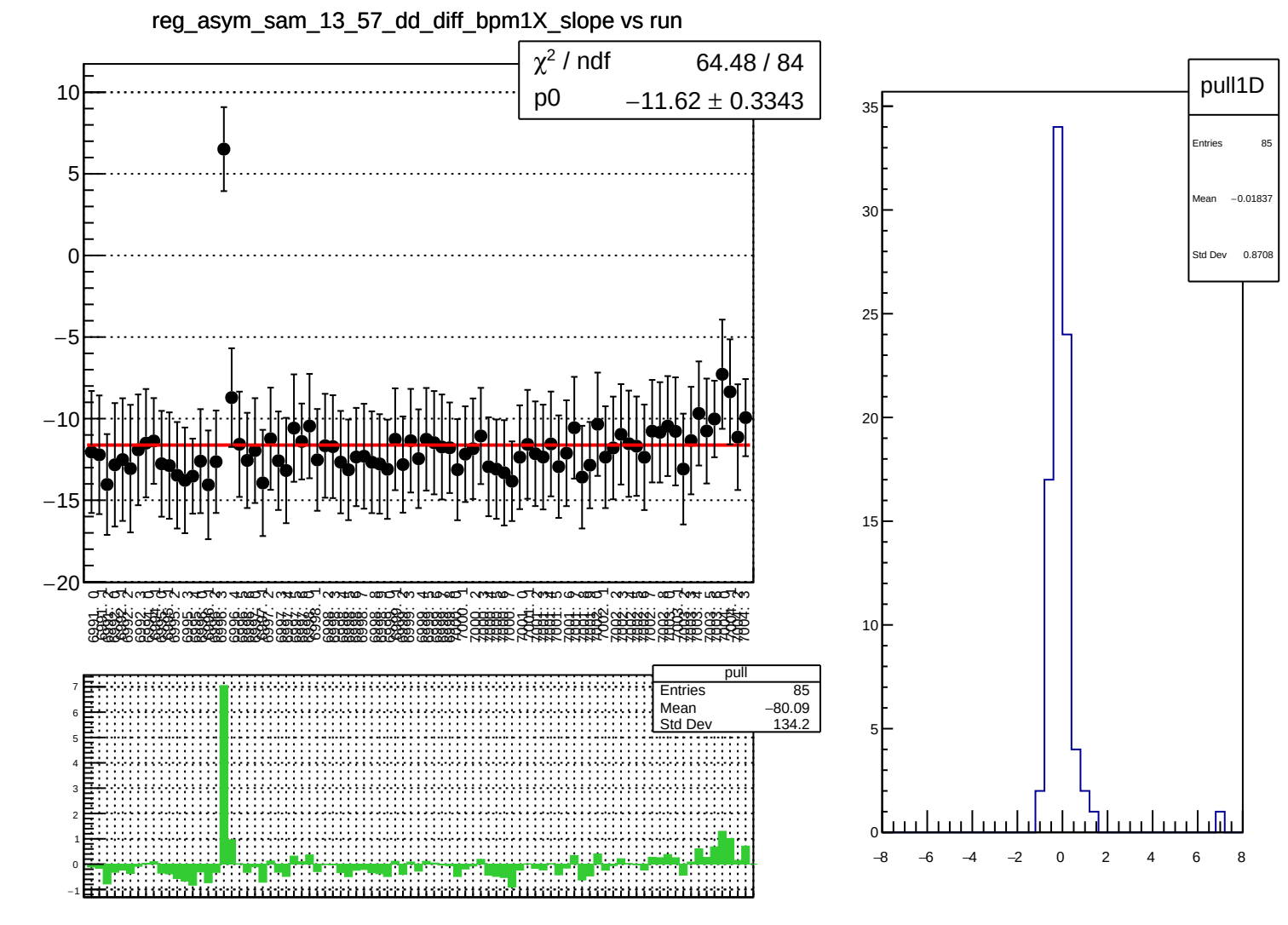

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.54 / 84
p0 23.93 ± 0.7975
pull
Entries 85
Mean 138.2
Std Dev 122
pull1D
Entries 85
Mean −0.01042
Std Dev 0.3168

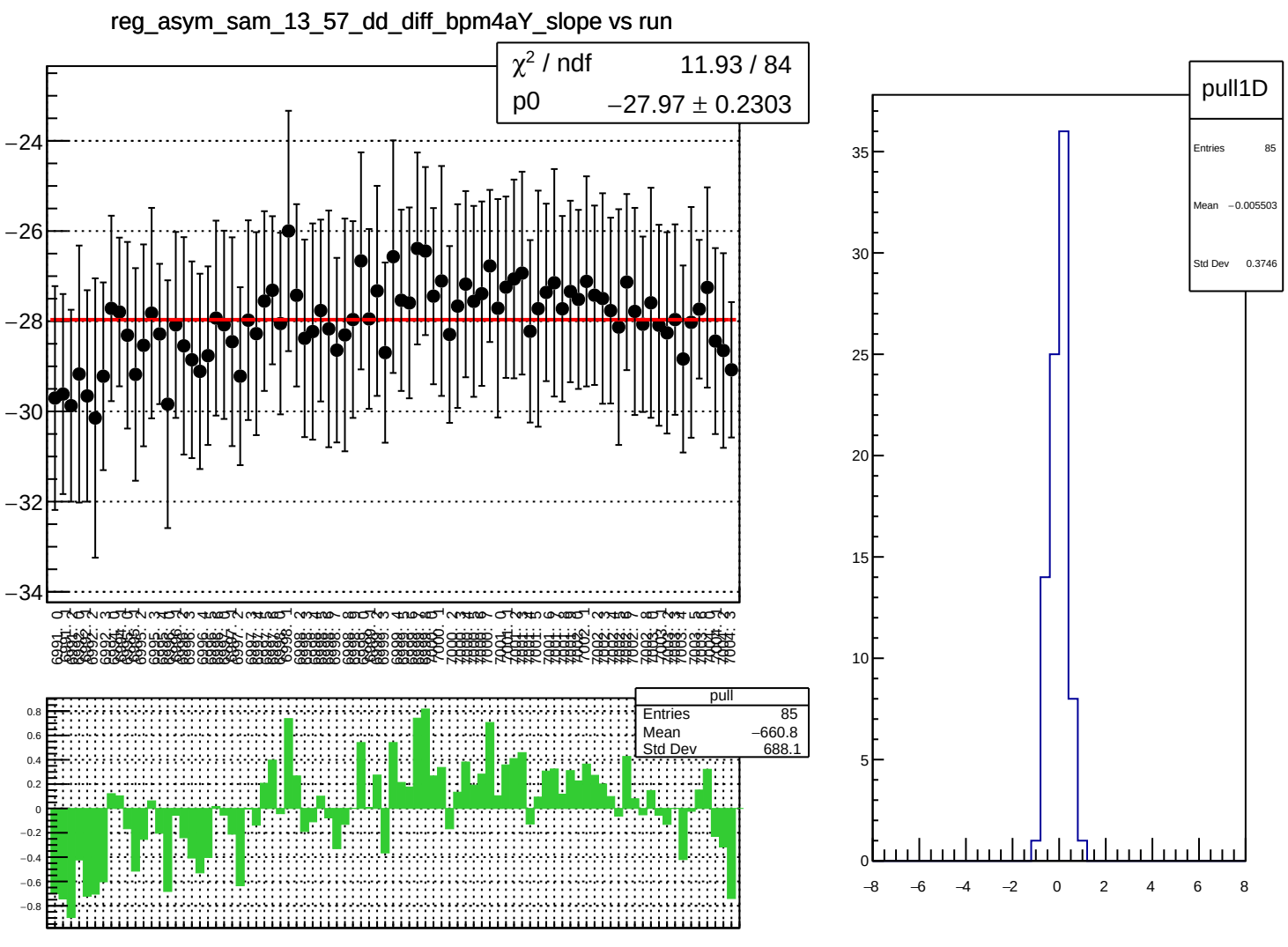

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.755 / 84
p0 −47.4 ± 1.072
−30
−35
−40
−45
−50
−55
−60
pull
Entries 85
Mean −327.2
Std Dev 222.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 85
Mean 0.0004892
Std Dev 0.2365
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

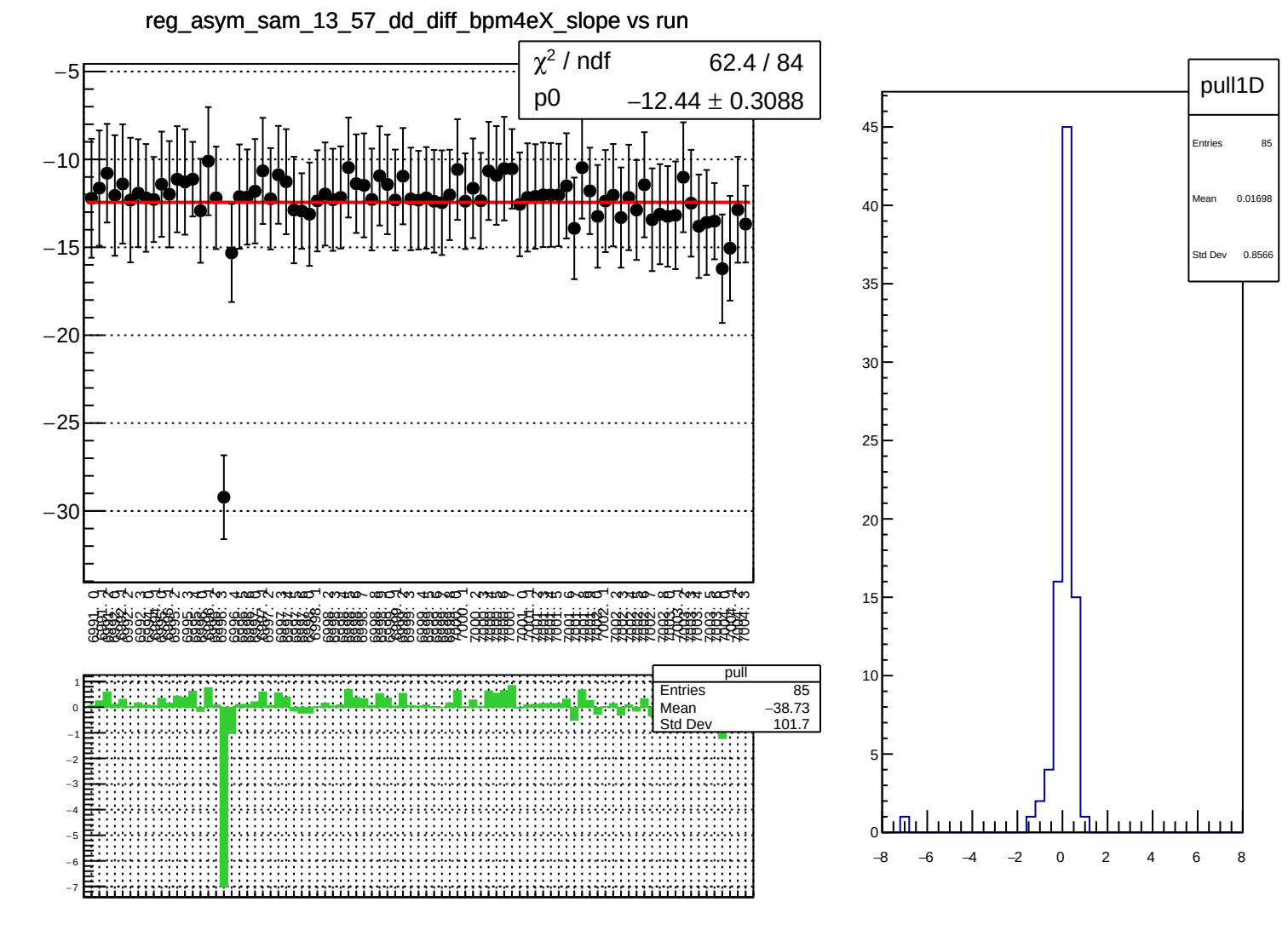

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.57 / 84
p0 86.27 ± 0.8412
pull
Entries 85
Mean 170.3
Std Dev 157
pull1D
Entries 85
Mean 0.007733
Std Dev 0.414

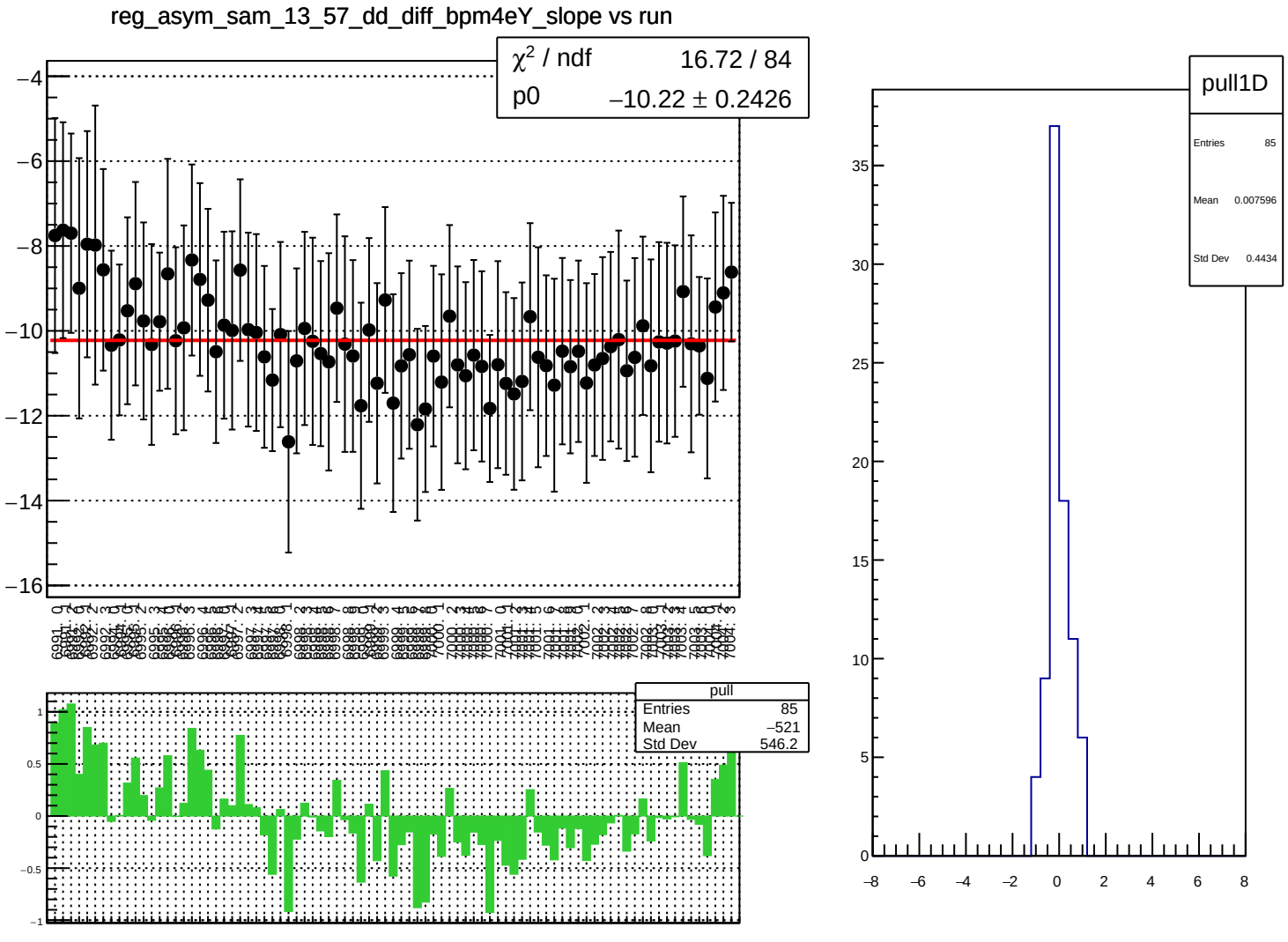

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 11.11 / 84
p0 −0.1636 ± 0.03851
pull
Entries 85
Mean 85.82
Std Dev 157.2

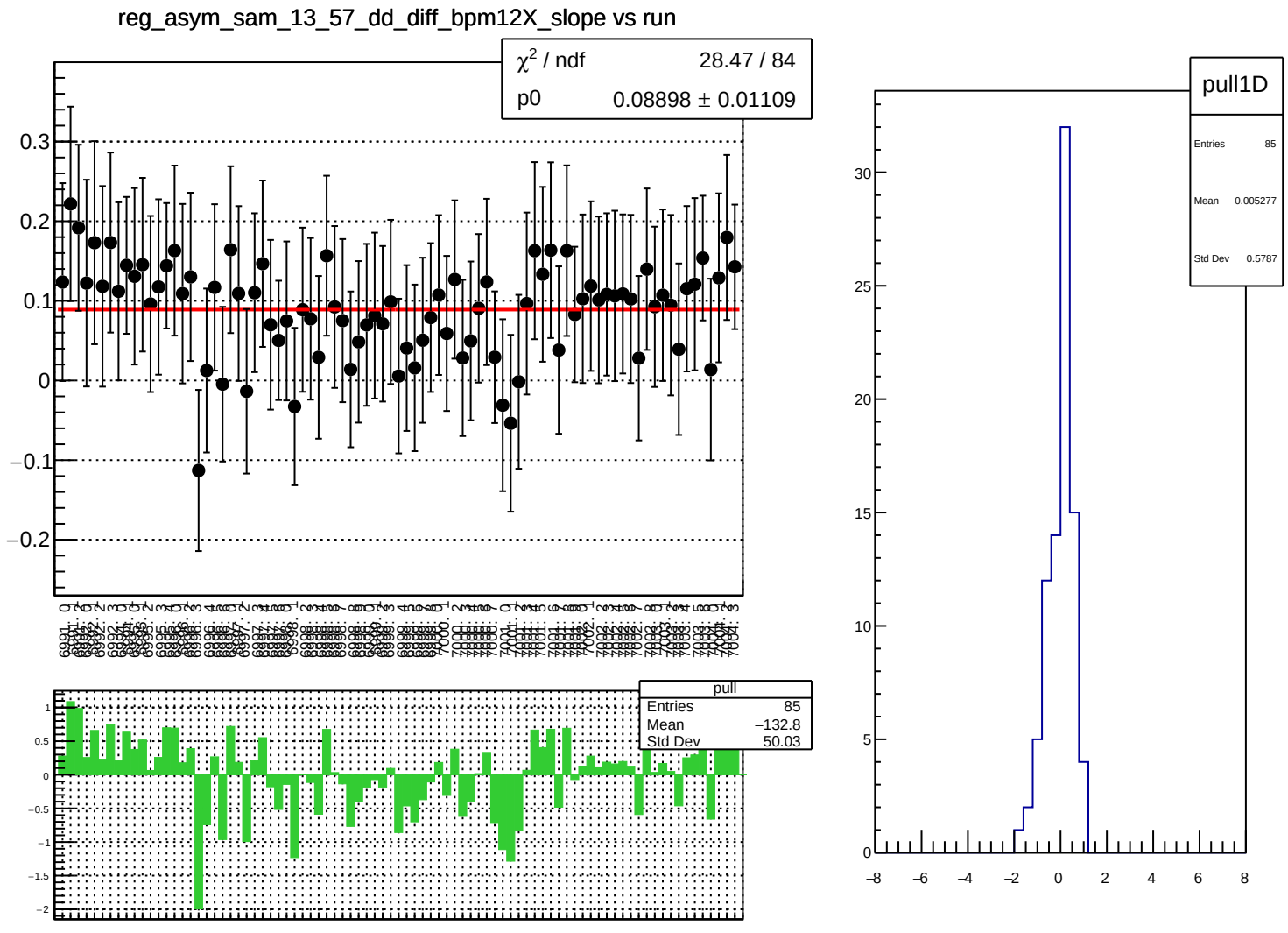

pull1D
Entries 85
Mean −0.006496
Std Dev 0.3615

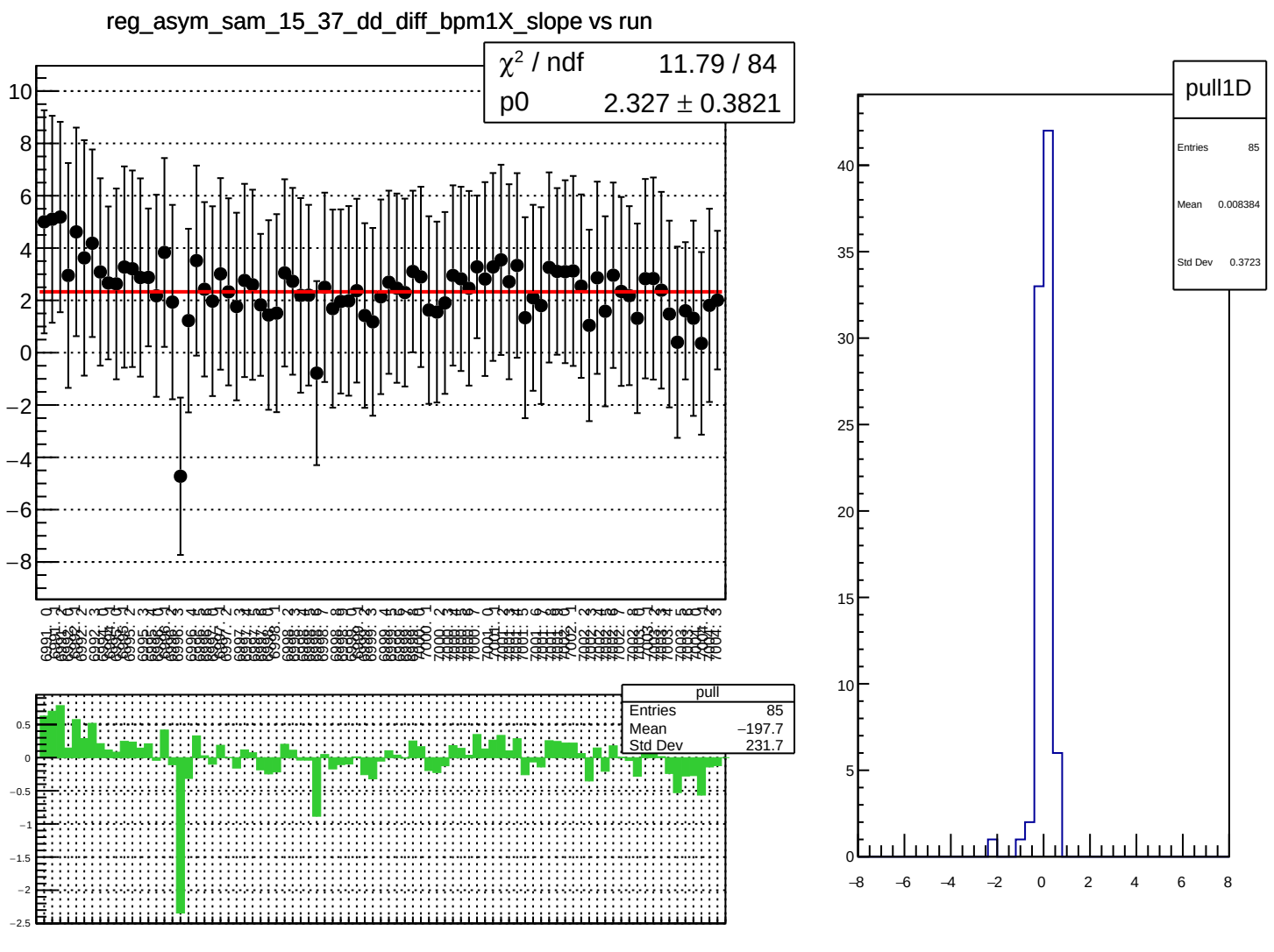

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 64.48 / 84
p0 −11.62 ± 0.3343
pull
Entries 85
Mean −80.09
Std Dev 134.2
pull1D
Entries 85
Mean −0.01837
Std Dev 0.8708

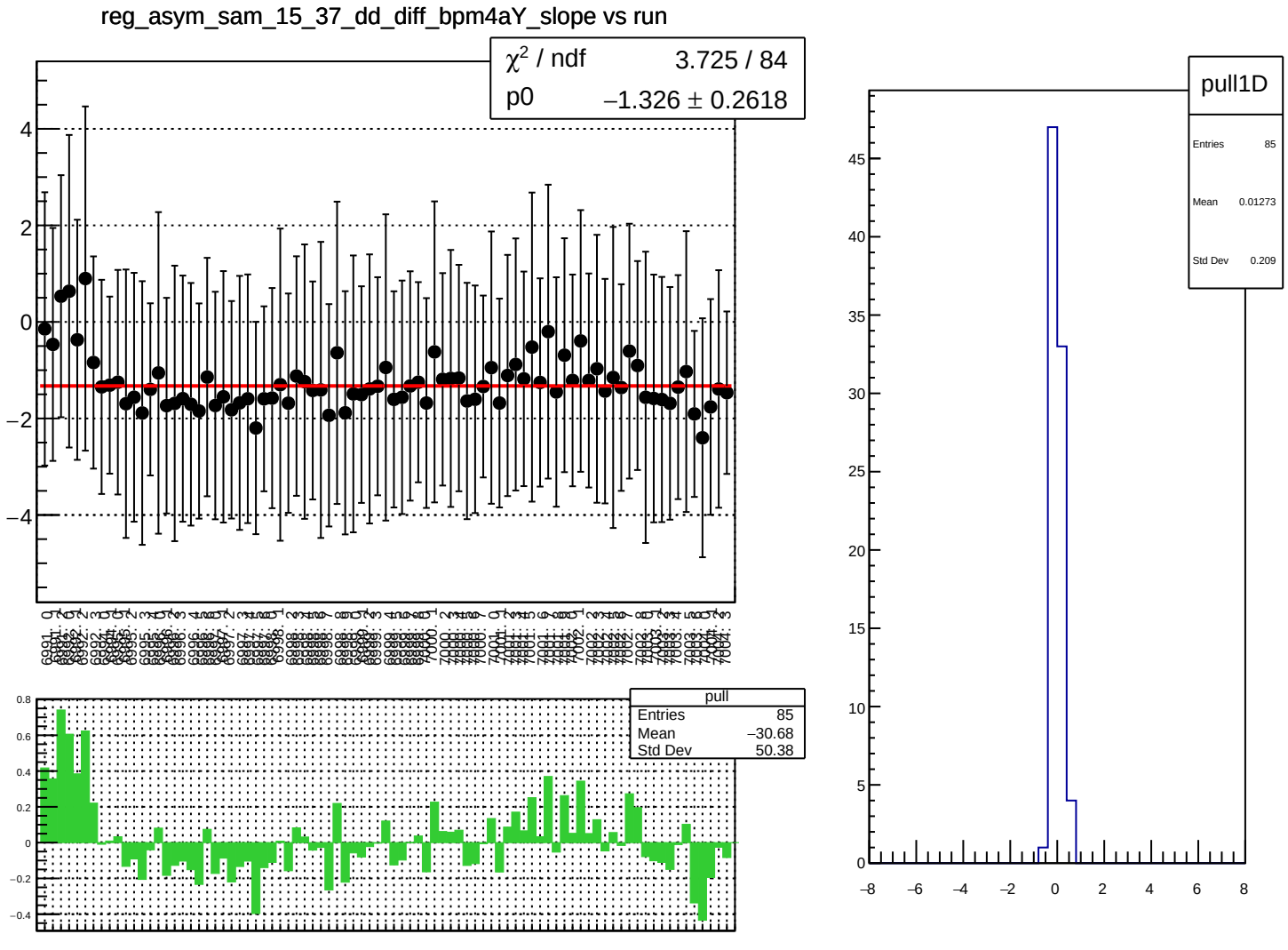

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.93 / 84
p0 −27.97 ± 0.2303
−24
−26
−28
−30
−32
−34
pull
Entries 85
Mean −660.8
Std Dev 688.1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 85
Mean −0.005503
Std Dev 0.3746
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

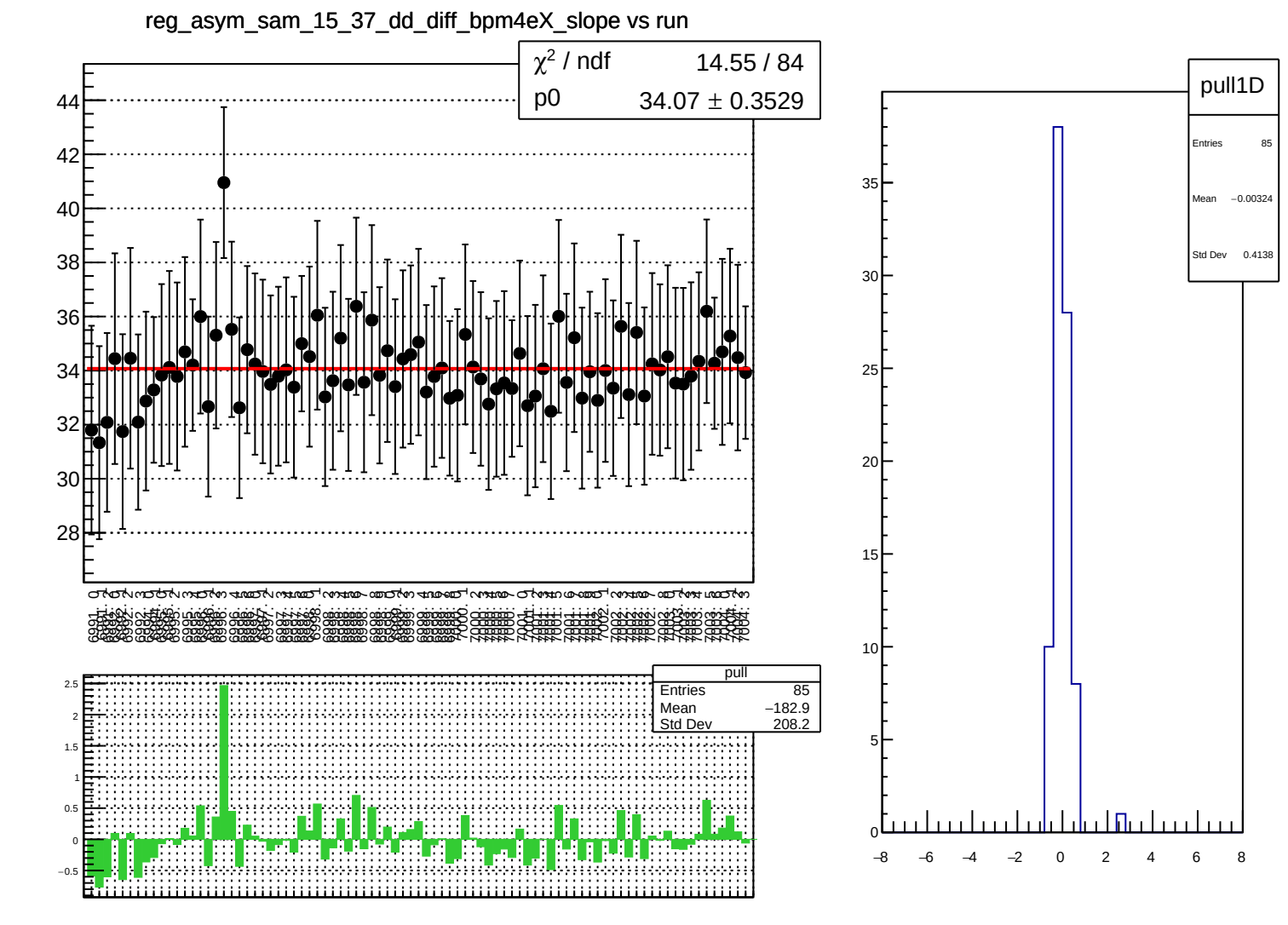

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.4 / 84
p0 −12.44 ± 0.3088
pull
Entries 85
Mean −38.73
Std Dev 101.7
pull1D
Entries 85
Mean 0.01698
Std Dev 0.8566

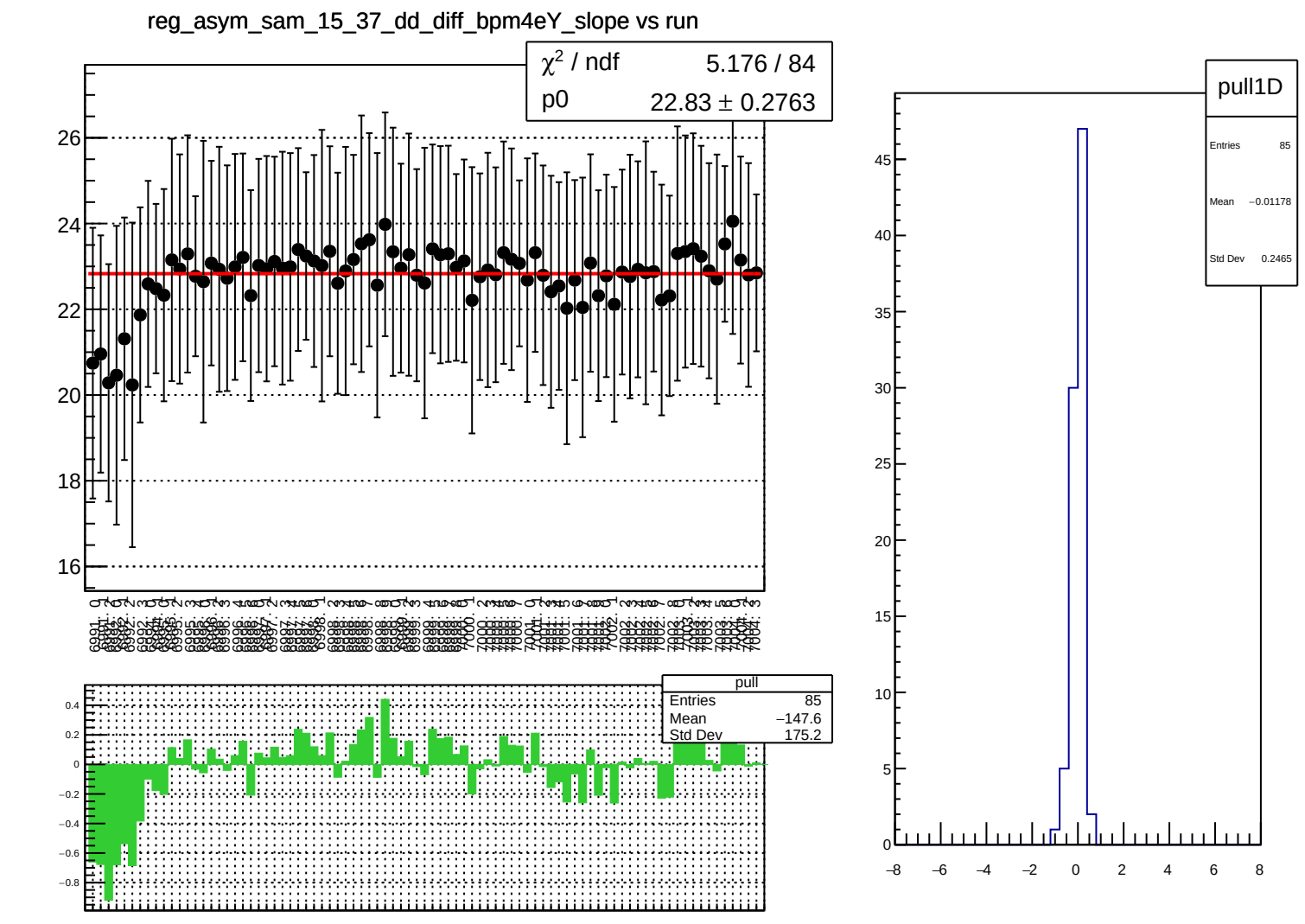

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.72 / 84
p0 −10.22 ± 0.2426
pull
Entries 85
Mean −521
Std Dev 546.2
pull1D
Entries 85
Mean 0.007596
Std Dev 0.4434

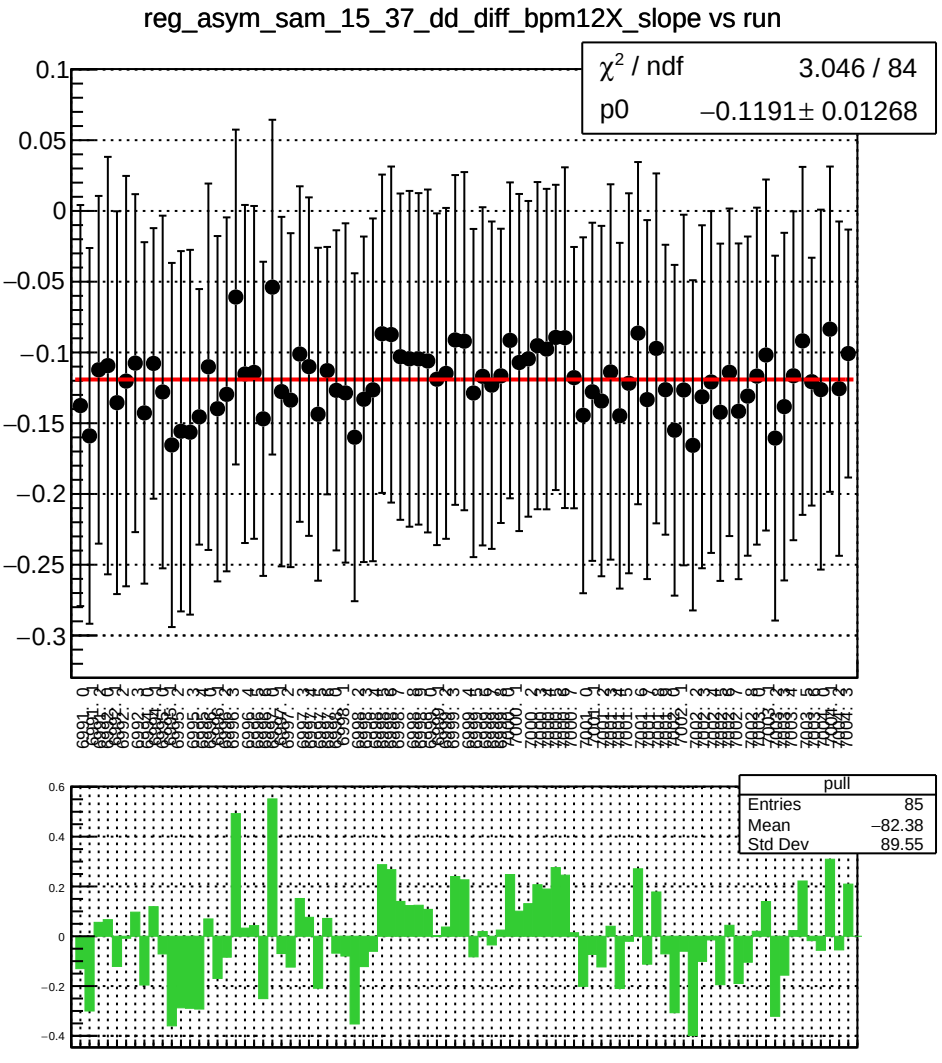

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 28.47 / 84
p0 0.08898 ± 0.01109
0.3
0.2
0.1
0
−0.1
−0.2
pull
Entries 85
Mean −132.8
Std Dev 50.03
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean 0.005277
Std Dev 0.5787
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

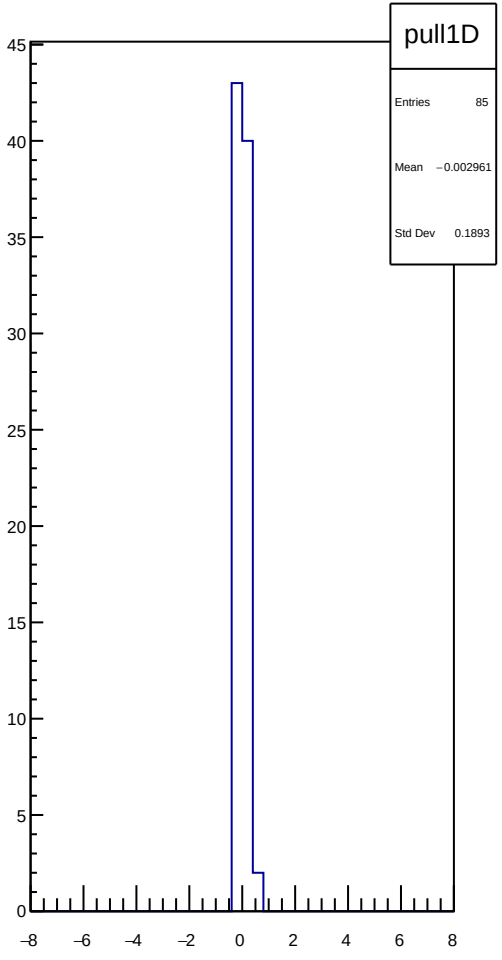

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 11.79 / 84
p0 2.327 ± 0.3821
pull
Entries 85
Mean −197.7
Std Dev 231.7
pull1D
Entries 85
Mean 0.008384
Std Dev 0.3723

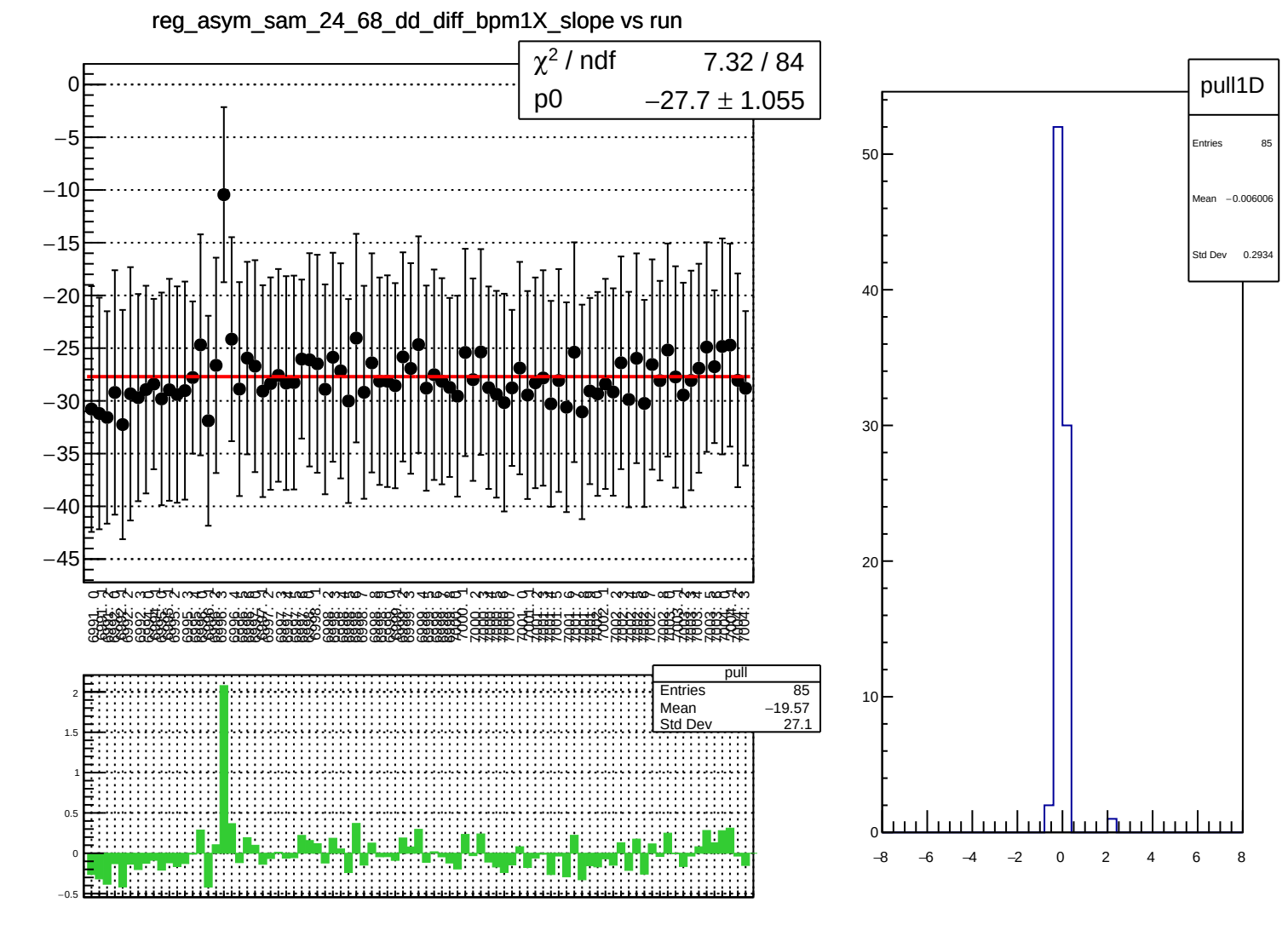

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.725 / 84
p0 −1.326 ± 0.2618
pull
Entries 85
Mean −30.68
Std Dev 50.38
pull1D
Entries 85
Mean 0.01273
Std Dev 0.209

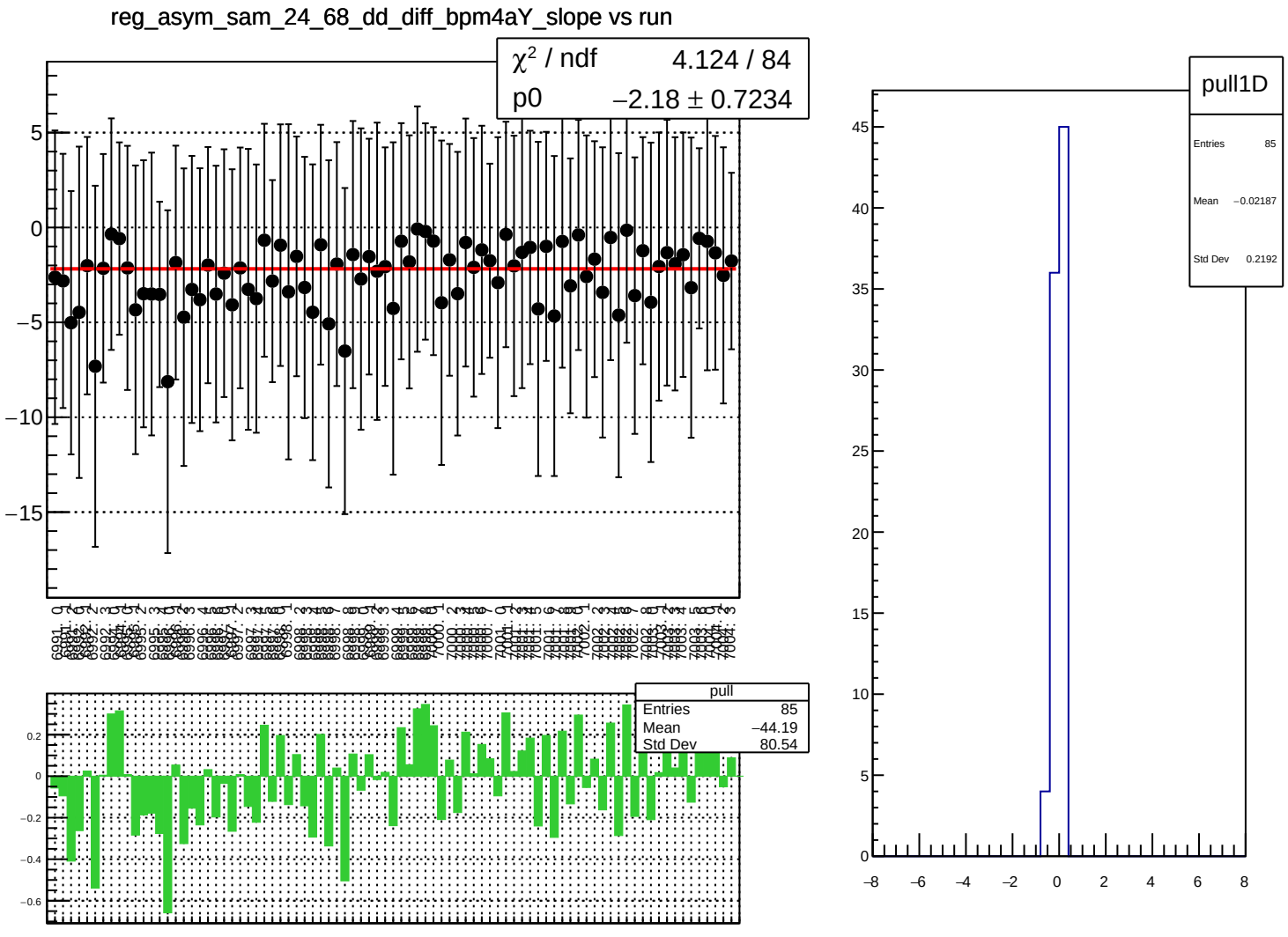

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.55 / 84
p0 34.07 ± 0.3529
pull
Entries 85
Mean −182.9
Std Dev 208.2
pull1D
Entries 85
Mean −0.00324
Std Dev 0.4138

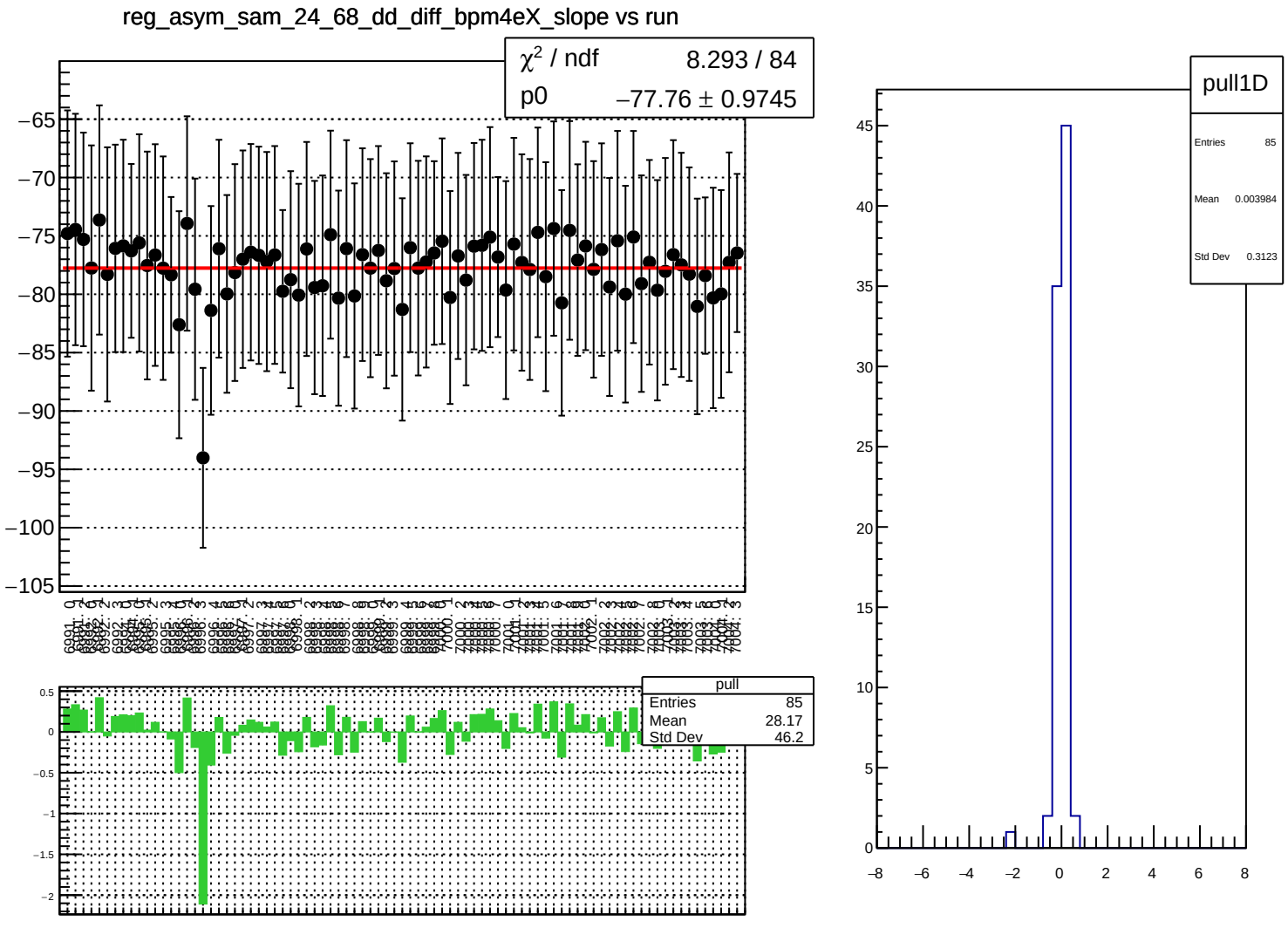

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.176 / 84
p0 22.83 ± 0.2763
pull
Entries 85
Mean −147.6
Std Dev 175.2
pull1D
Entries 85
Mean −0.01178
Std Dev 0.2465

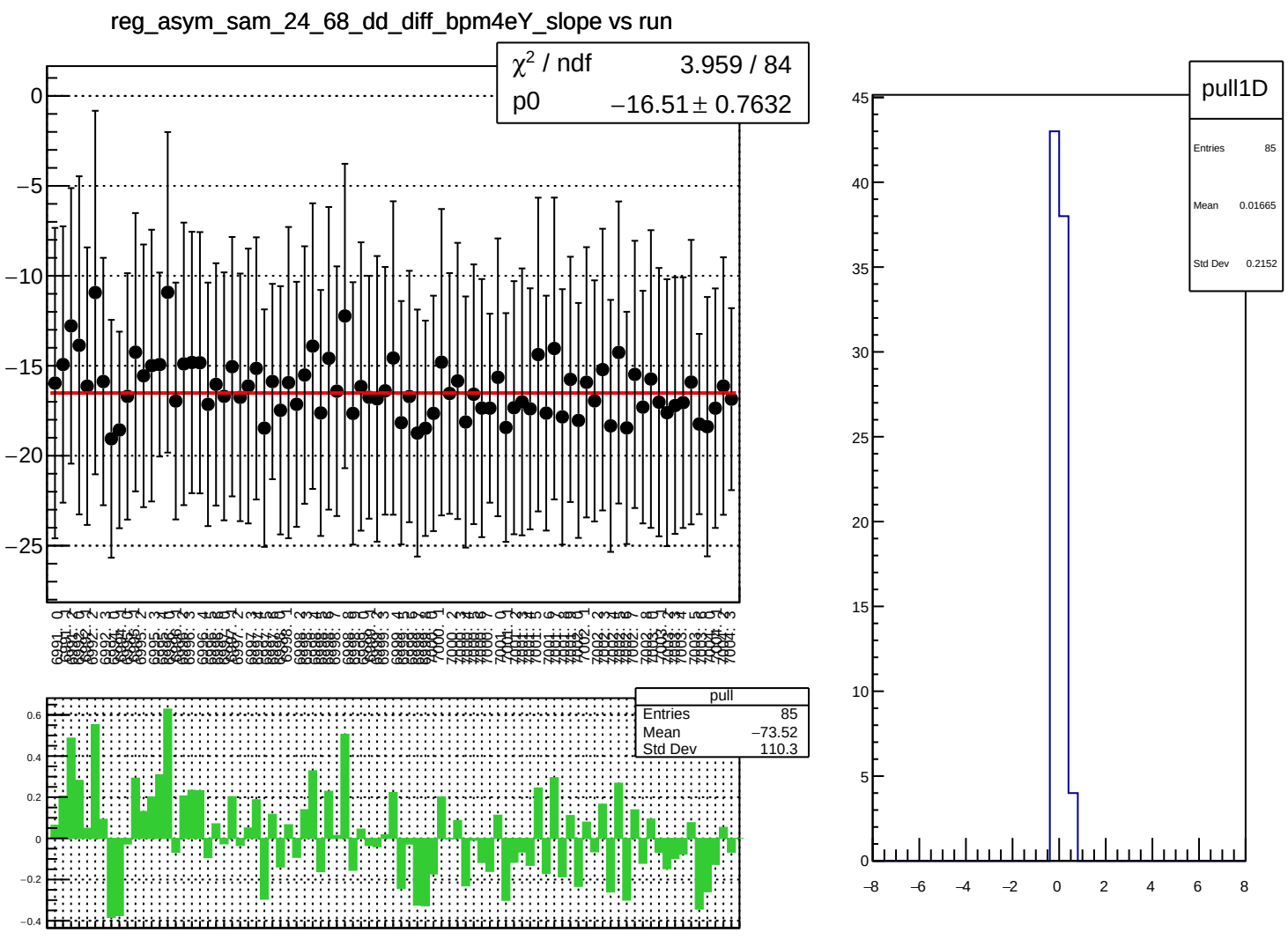

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 3.046 / 84
p0 −0.1191 ± 0.01268
pull
Entries 85
Mean −82.38
Std Dev 89.55

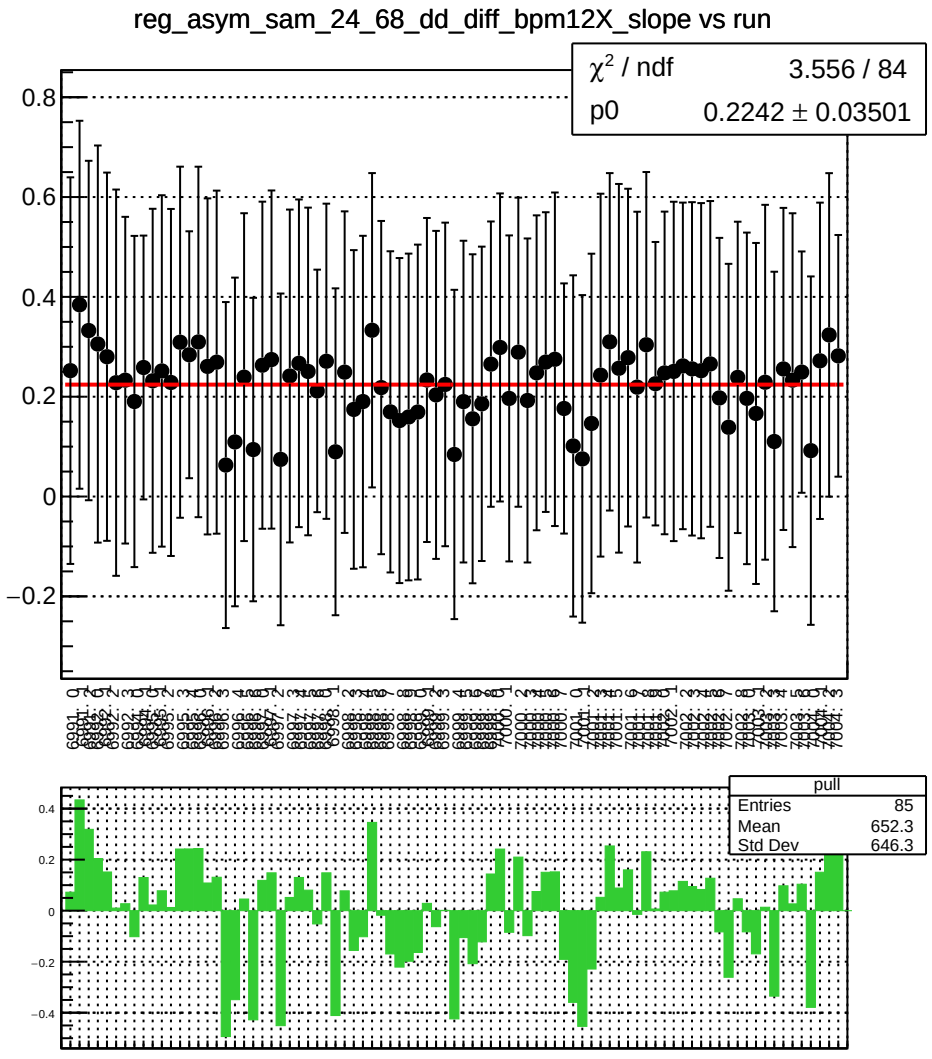

pull1D
Entries 85
Mean −0.002961
Std Dev 0.1893

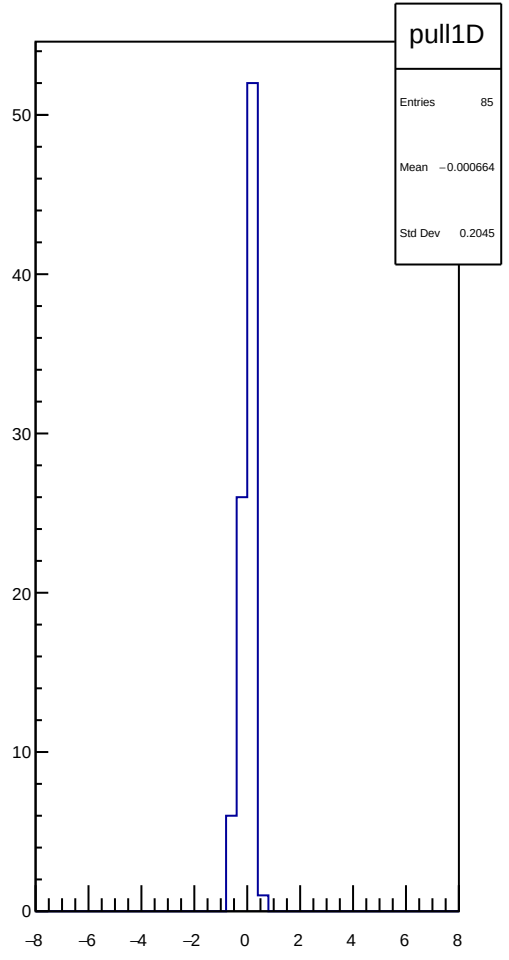

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 7.32 / 84
p0 −27.7 ± 1.055
pull
Entries 85
Mean −19.57
Std Dev 27.1
pull1D
Entries 85
Mean −0.006006
Std Dev 0.2934

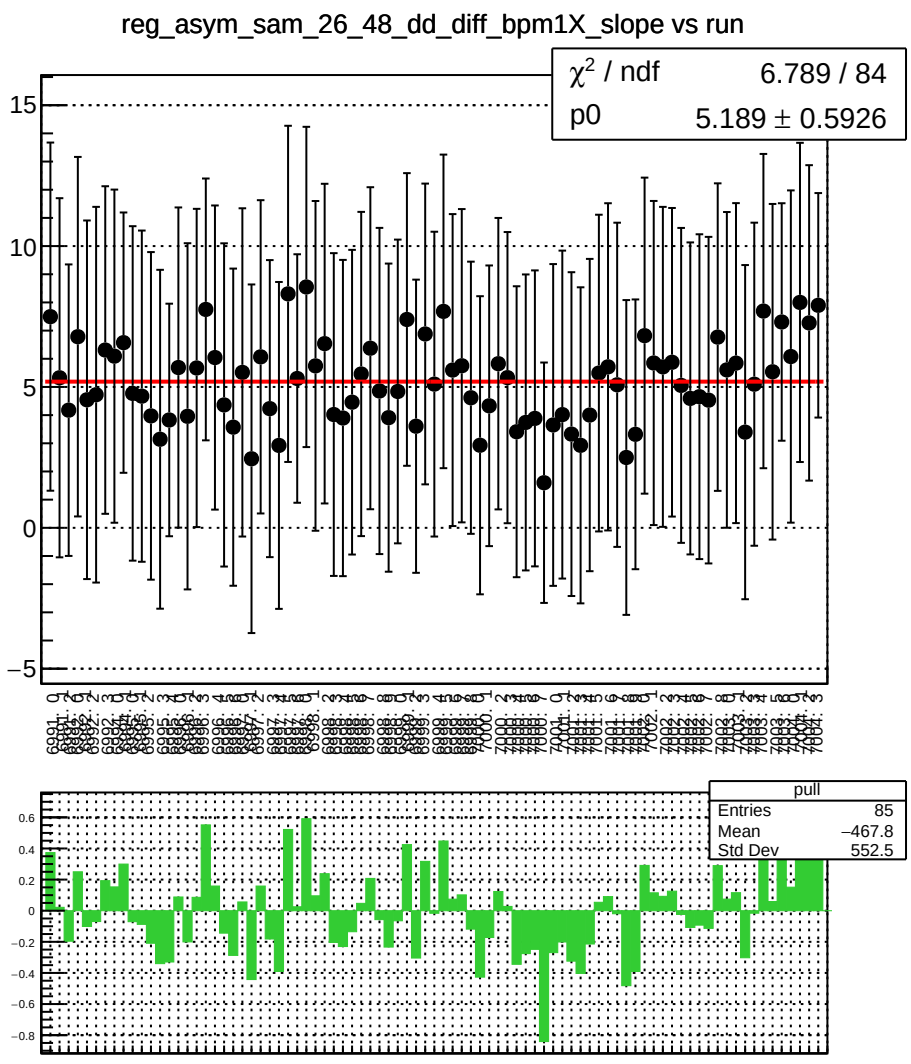

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.124 / 84
p0 −2.18 ± 0.7234
pull
Entries 85
Mean −44.19
Std Dev 80.54
pull1D
Entries 85
Mean −0.02187
Std Dev 0.2192

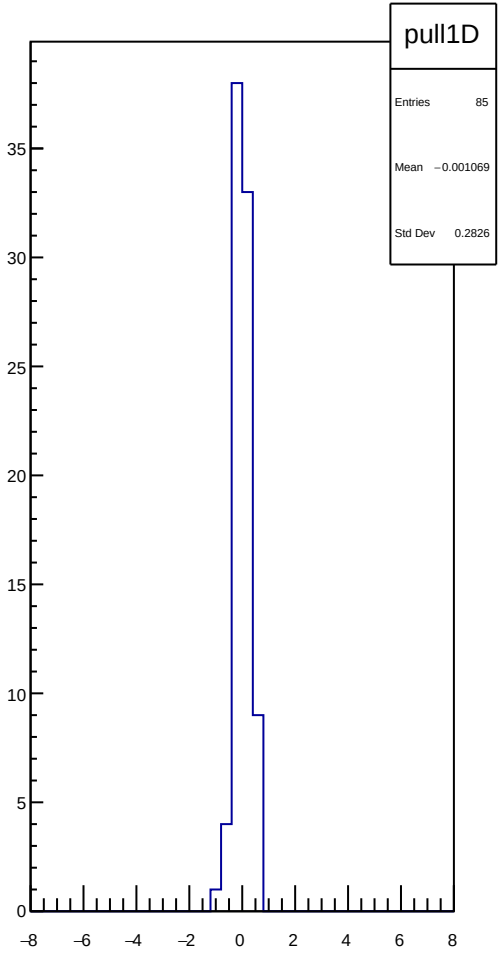

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.293 / 84
p0 −77.76 ± 0.9745
pull
Entries 85
Mean 28.17
Std Dev 46.2
pull1D
Entries 85
Mean 0.003984
Std Dev 0.3123

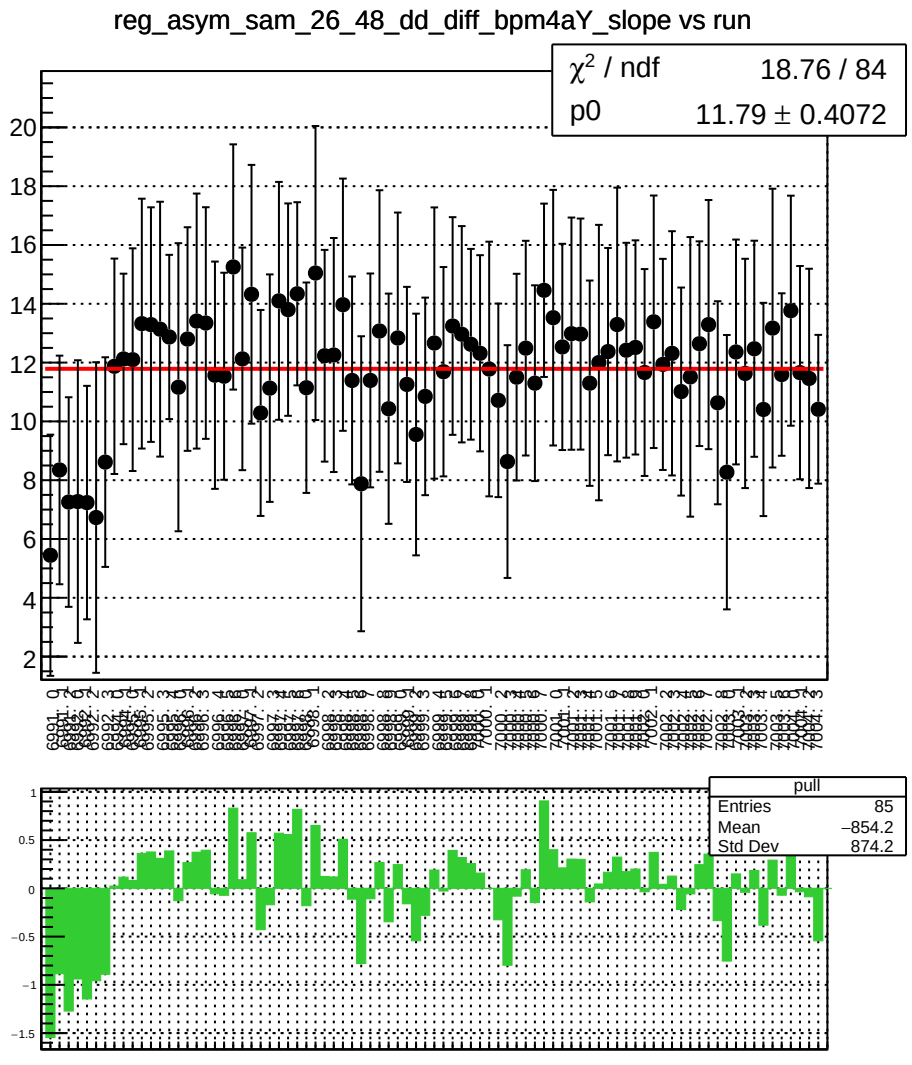

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.959 / 84
p0 −16.51 ± 0.7632
pull
Entries 85
Mean −73.52
Std Dev 110.3
pull1D
Entries 85
Mean 0.01665
Std Dev 0.2152

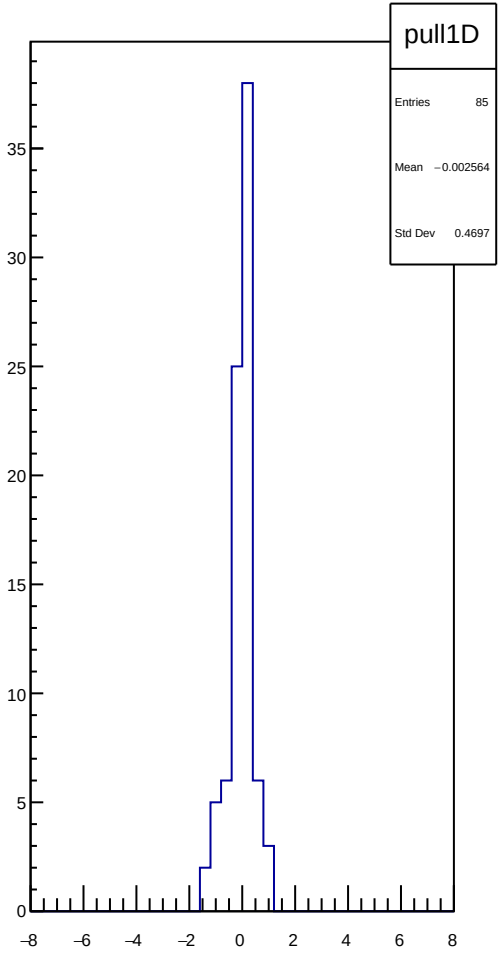

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 3.556 / 84
p0 0.2242 ± 0.03501
pull
Entries 85
Mean 652.3
Std Dev 646.3

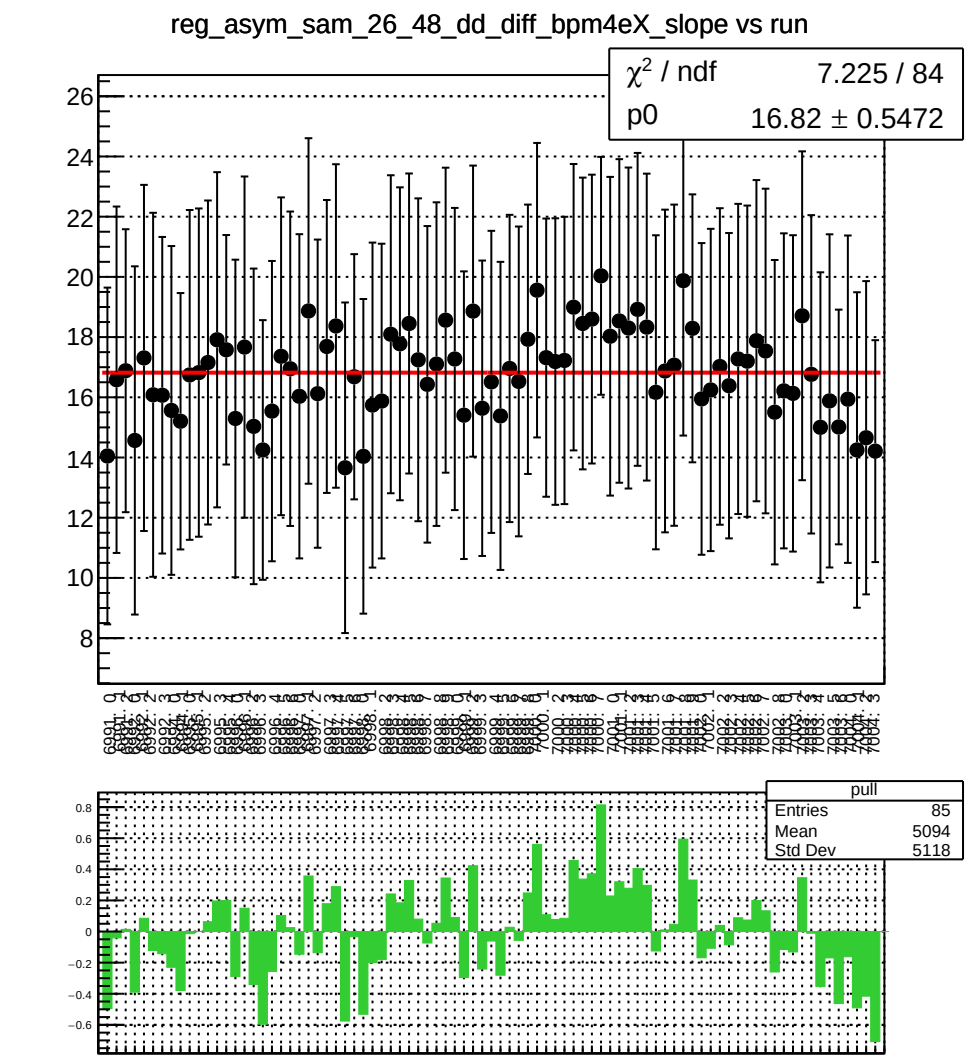

pull1D
Entries 85
Mean −0.000664
Std Dev 0.2045

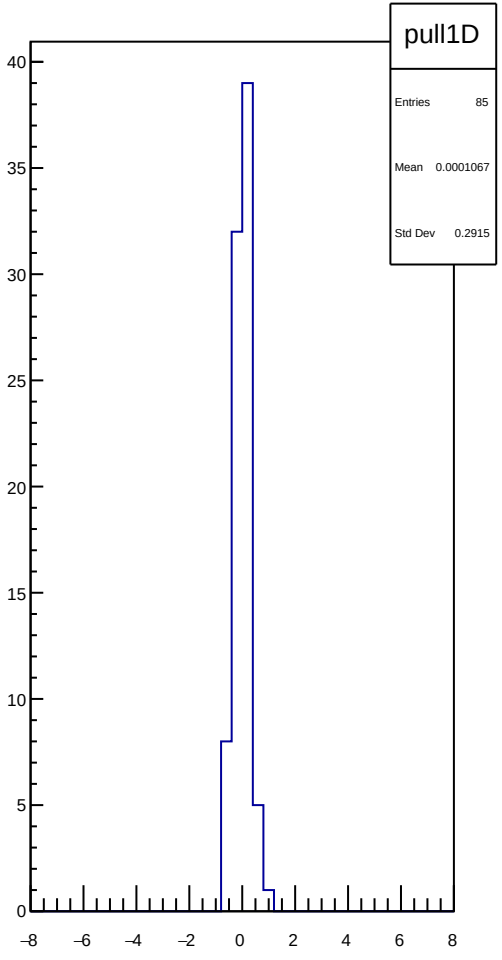

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 6.789 / 84
p0 5.189 ± 0.5926
pull
Entries 85
Mean −467.8
Std Dev 552.5

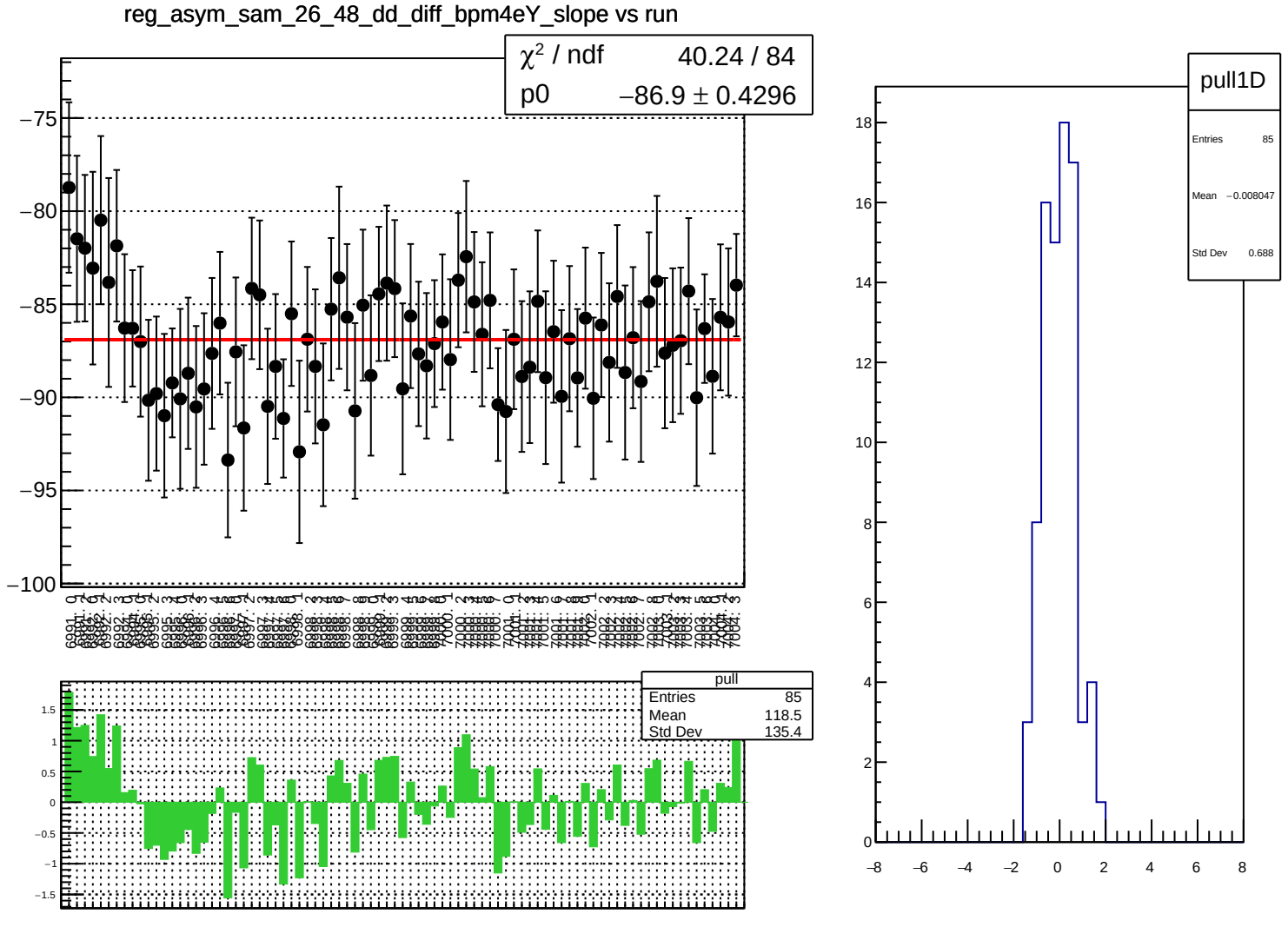

pull1D
Entries 85
Mean −0.001069
Std Dev 0.2826

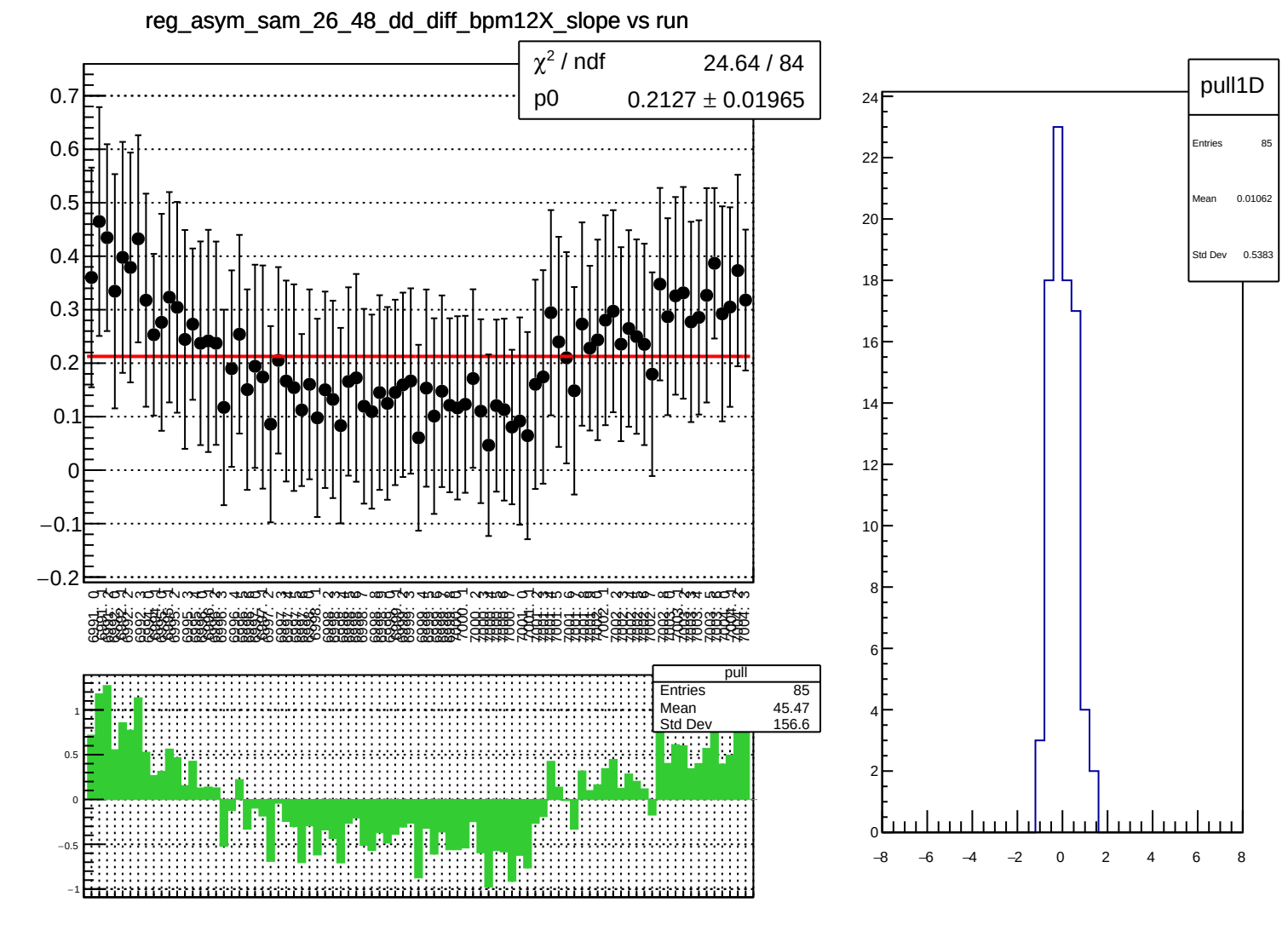

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.76 / 84
p0 11.79 ± 0.4072
pull
Entries 85
Mean −854.2
Std Dev 874.2

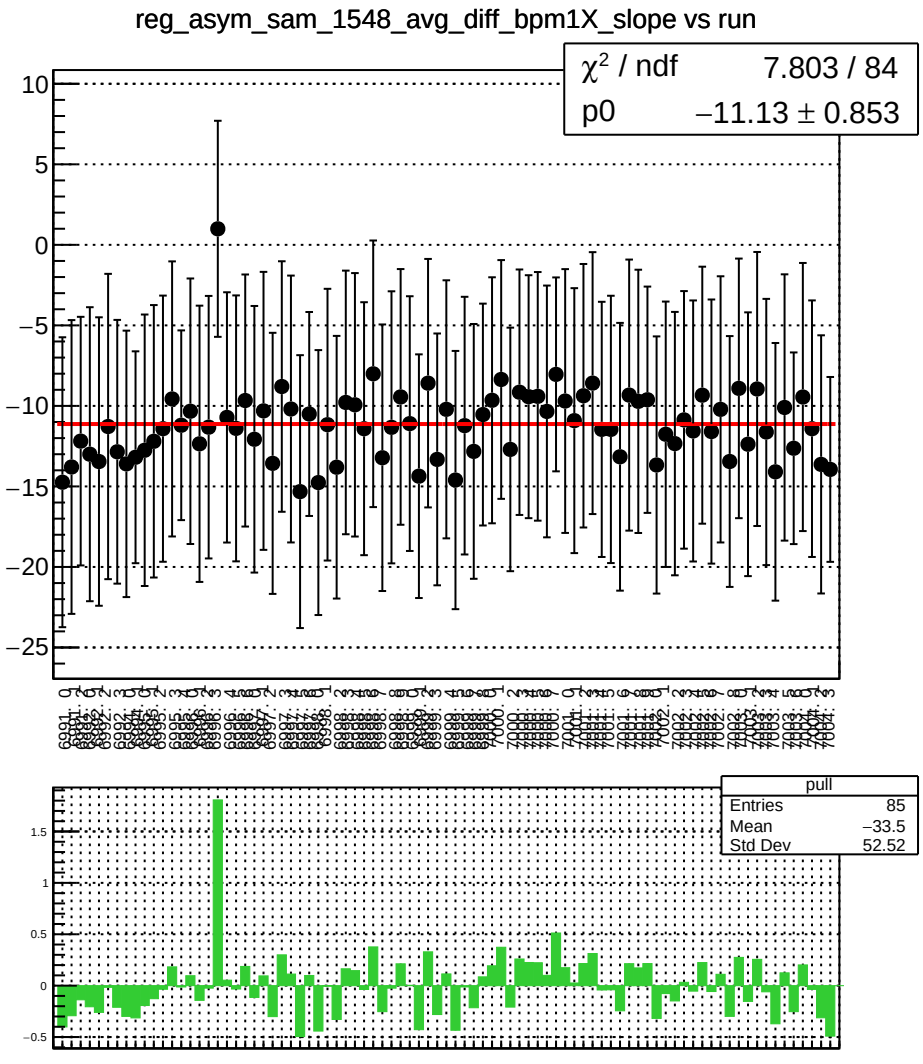

pull1D
Entries 85
Mean −0.002564
Std Dev 0.4697

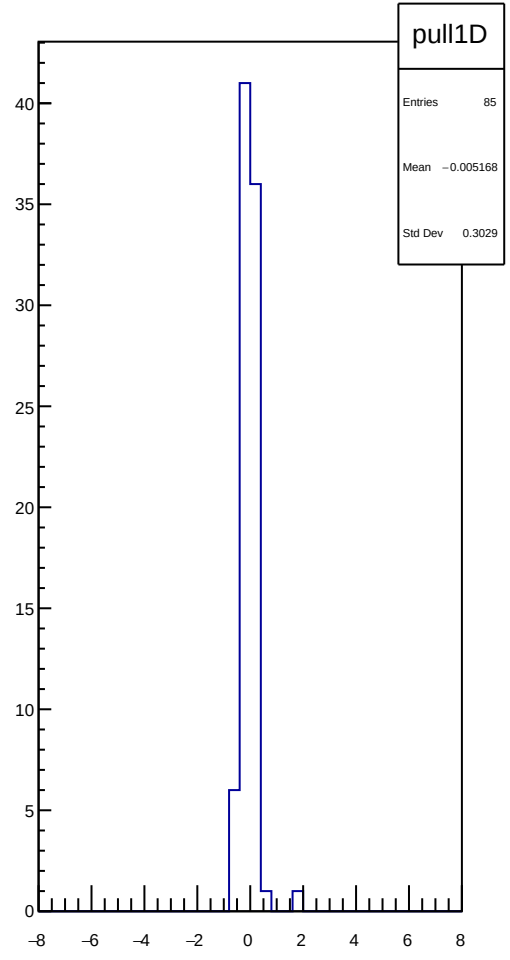

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.225 / 84
p0 16.82 ± 0.5472
pull
Entries 85
Mean 5094
Std Dev 5118

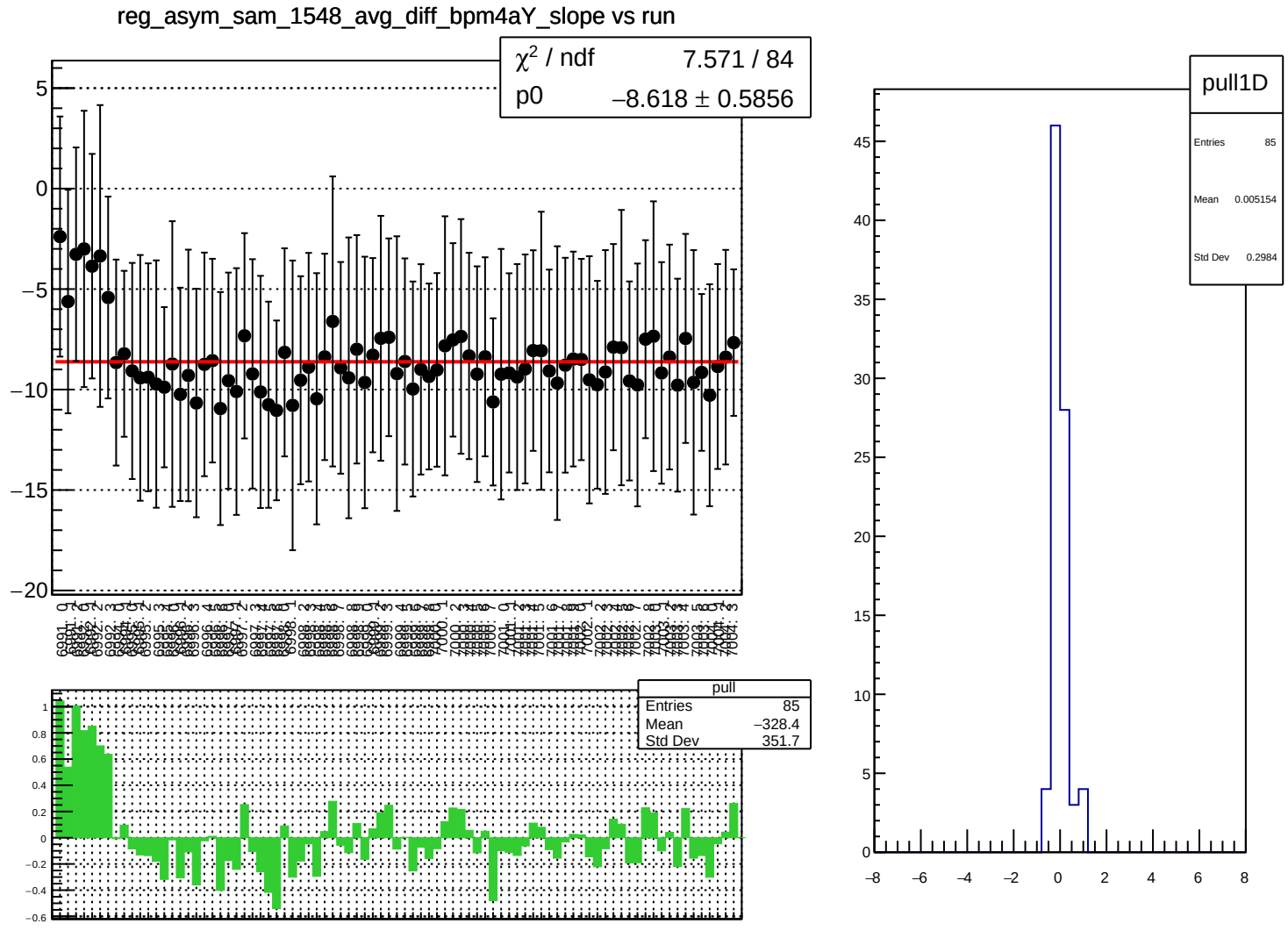

pull1D
Entries 85
Mean 0.0001067
Std Dev 0.2915

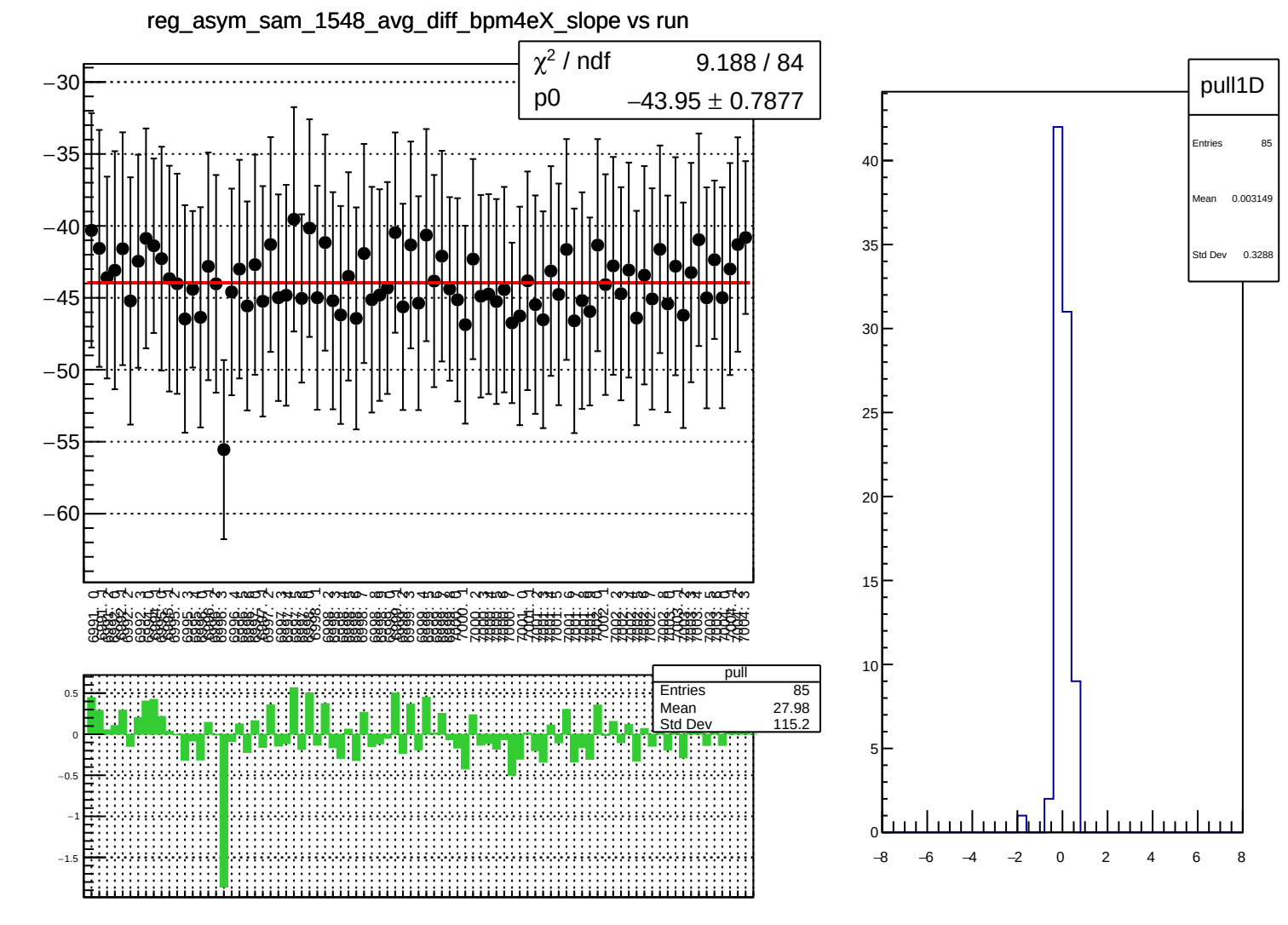

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.24 / 84
p0 −86.9 ± 0.4296
pull
Entries 85
Mean 118.5
Std Dev 135.4
pull1D
Entries 85
Mean −0.008047
Std Dev 0.688

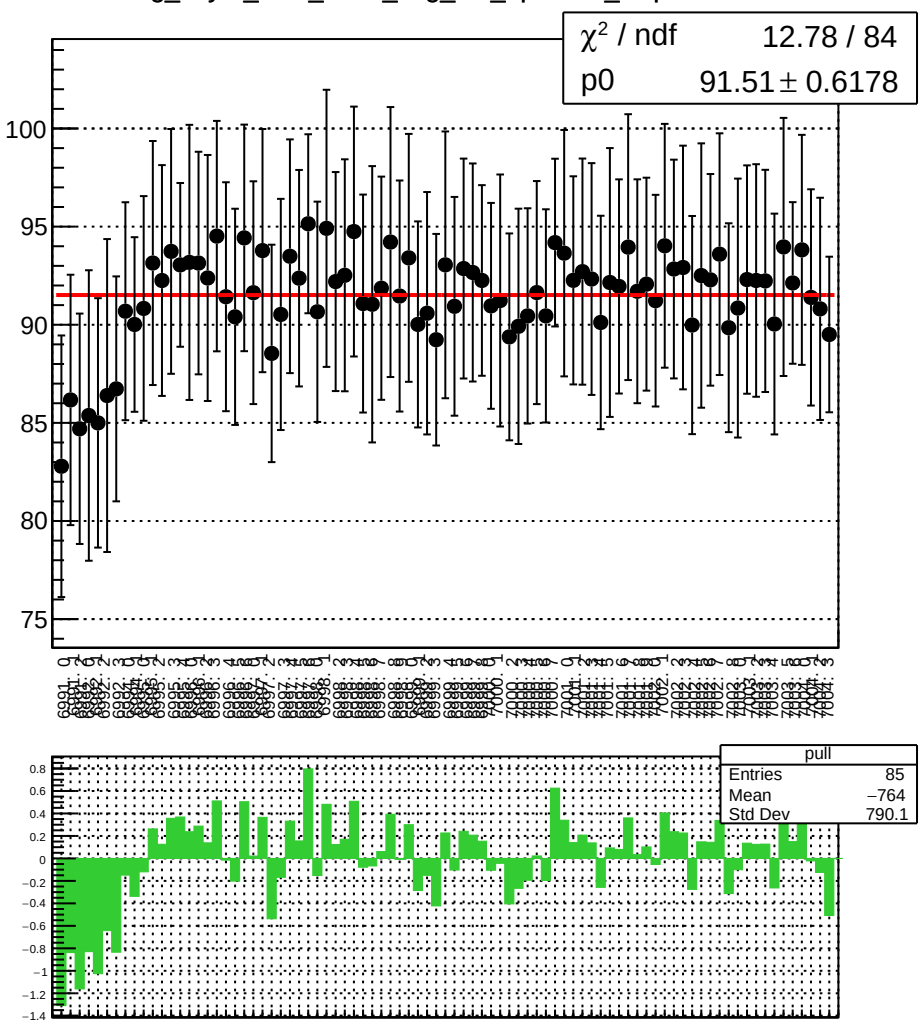

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 24.64 / 84
p0 0.2127 ± 0.01965
pull
Entries 85
Mean 45.47
Std Dev 156.6
pull1D
Entries 85
Mean 0.01062
Std Dev 0.5383

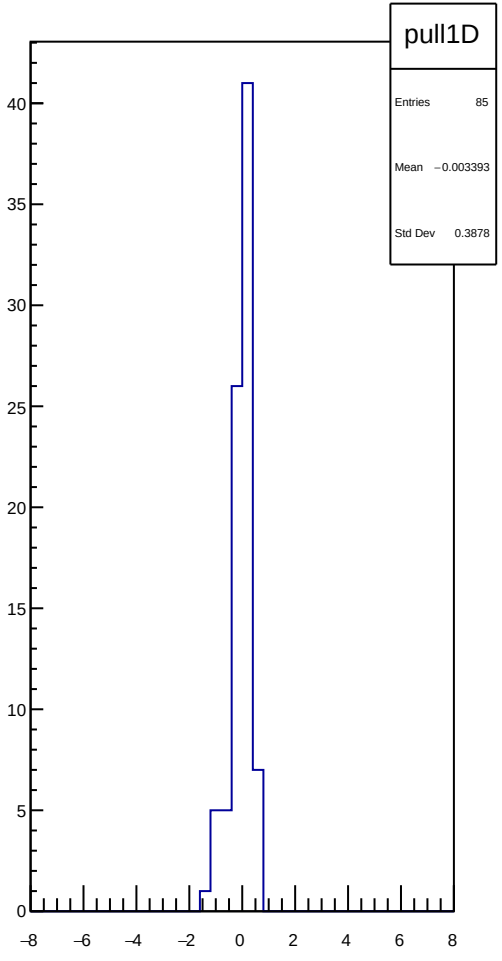

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 7.803 / 84
p0 −11.13 ± 0.853
pull
Entries 85
Mean −33.5
Std Dev 52.52

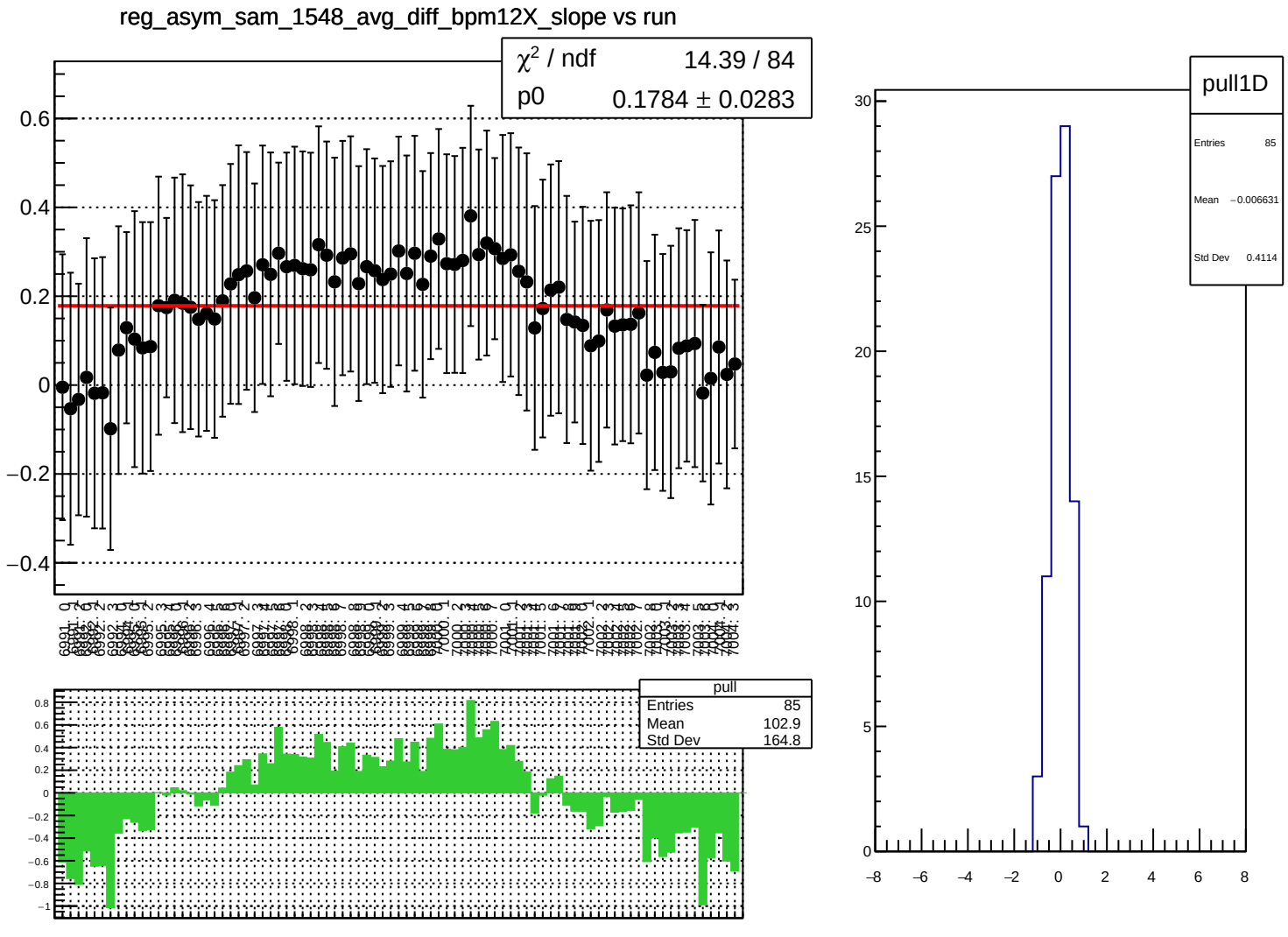

pull1D
Entries 85
Mean −0.005168
Std Dev 0.3029

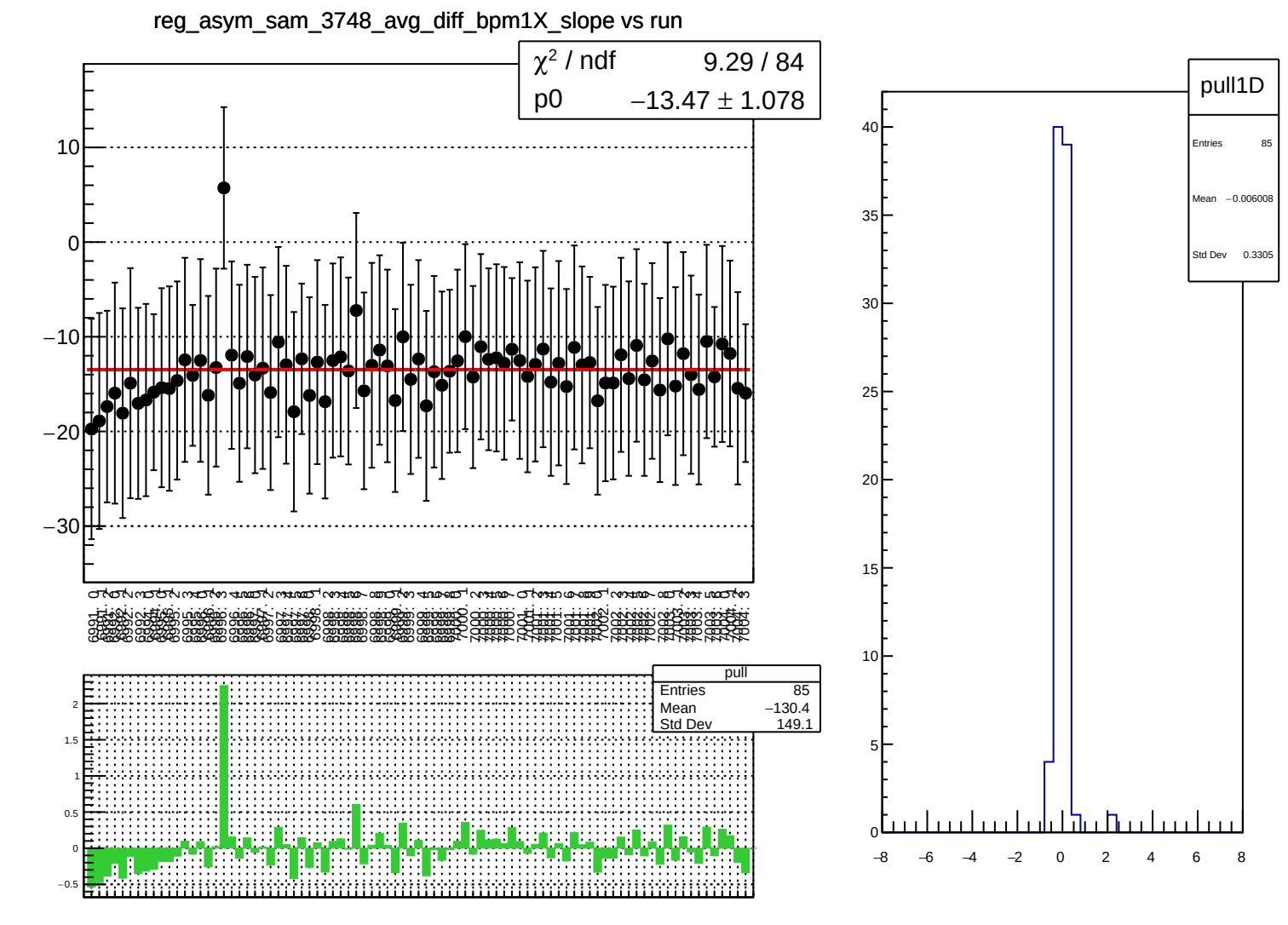

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.571 / 84
p0 −8.618 ± 0.5856
pull
Entries 85
Mean −328.4
Std Dev 351.7
pull1D
Entries 85
Mean 0.005154
Std Dev 0.2984

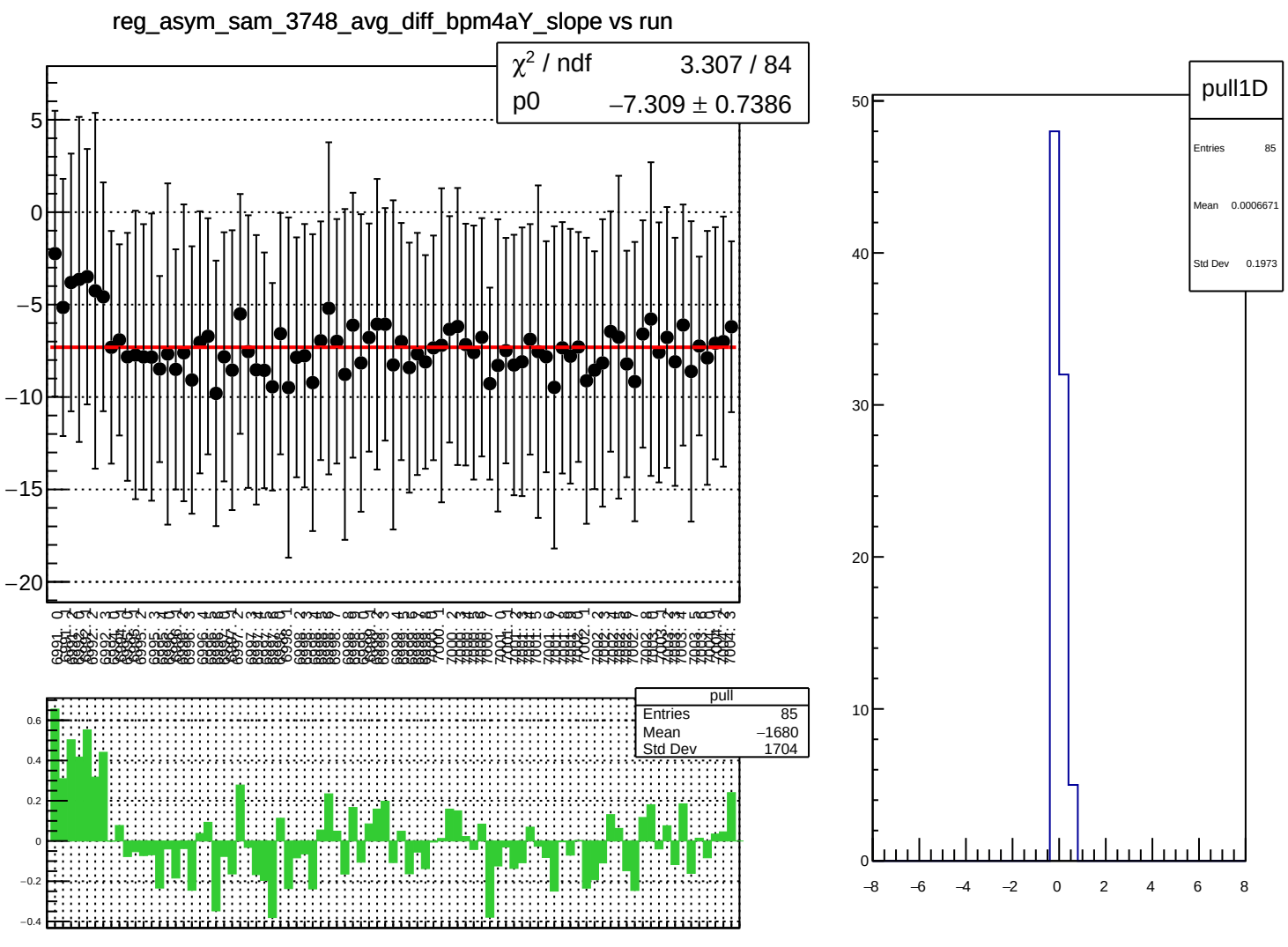

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.188 / 84
p0 −43.95 ± 0.7877
pull
Entries 85
Mean 27.98
Std Dev 115.2
pull1D
Entries 85
Mean 0.003149
Std Dev 0.3288

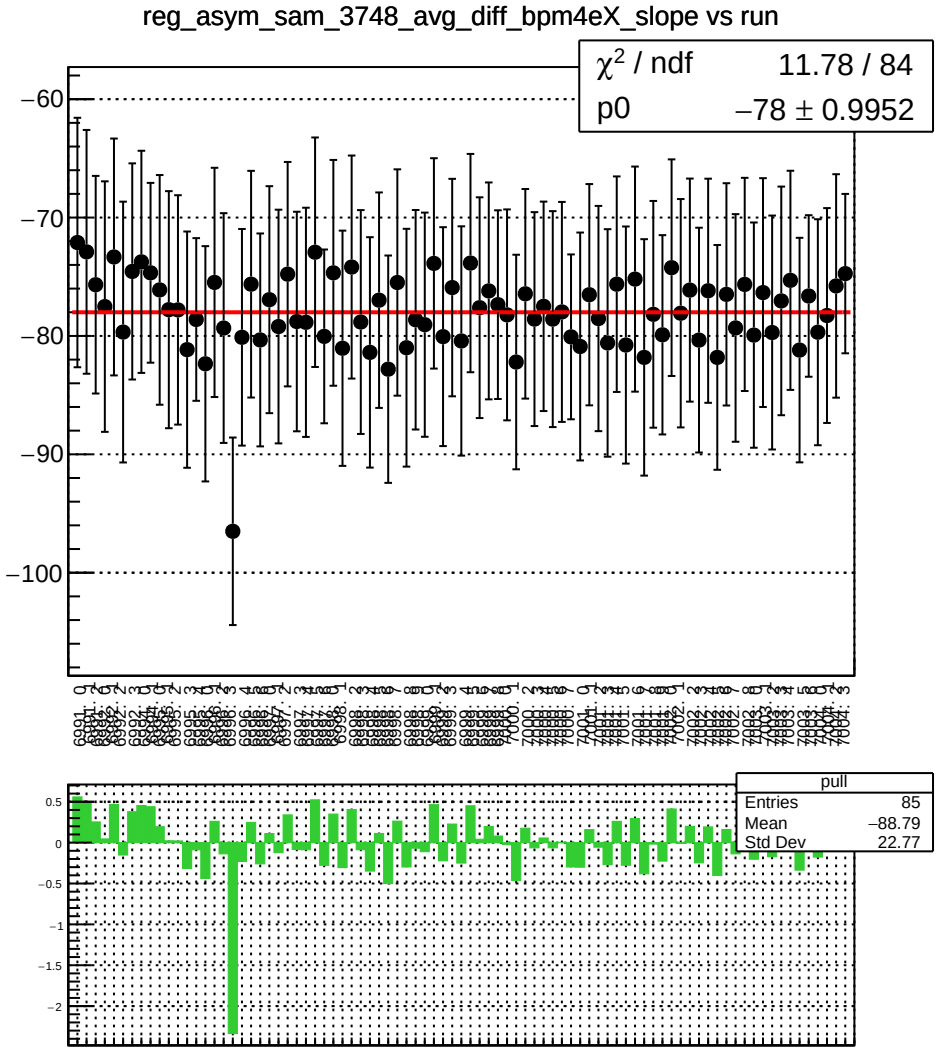

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.78 / 84
p0 91.51 ± 0.6178
pull
Entries 85
Mean −764
Std Dev 790.1

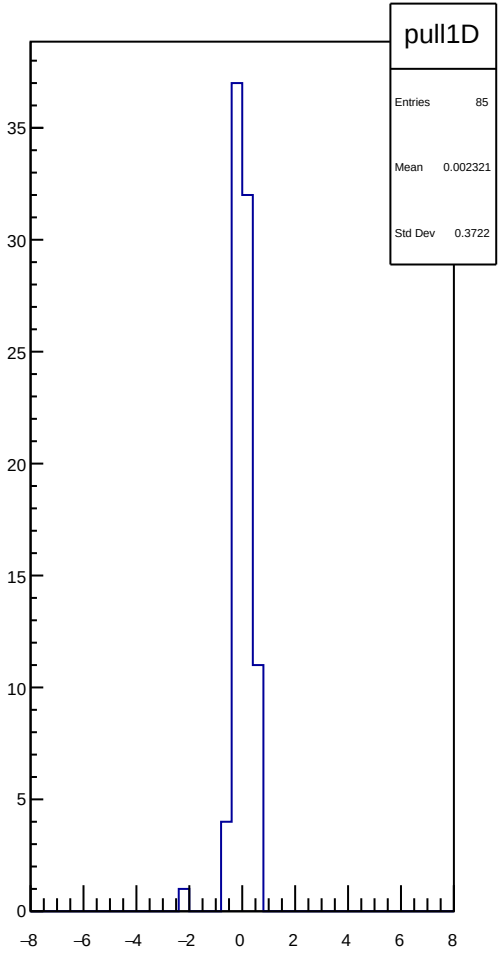

pull1D
Entries 85
Mean −0.003393
Std Dev 0.3878

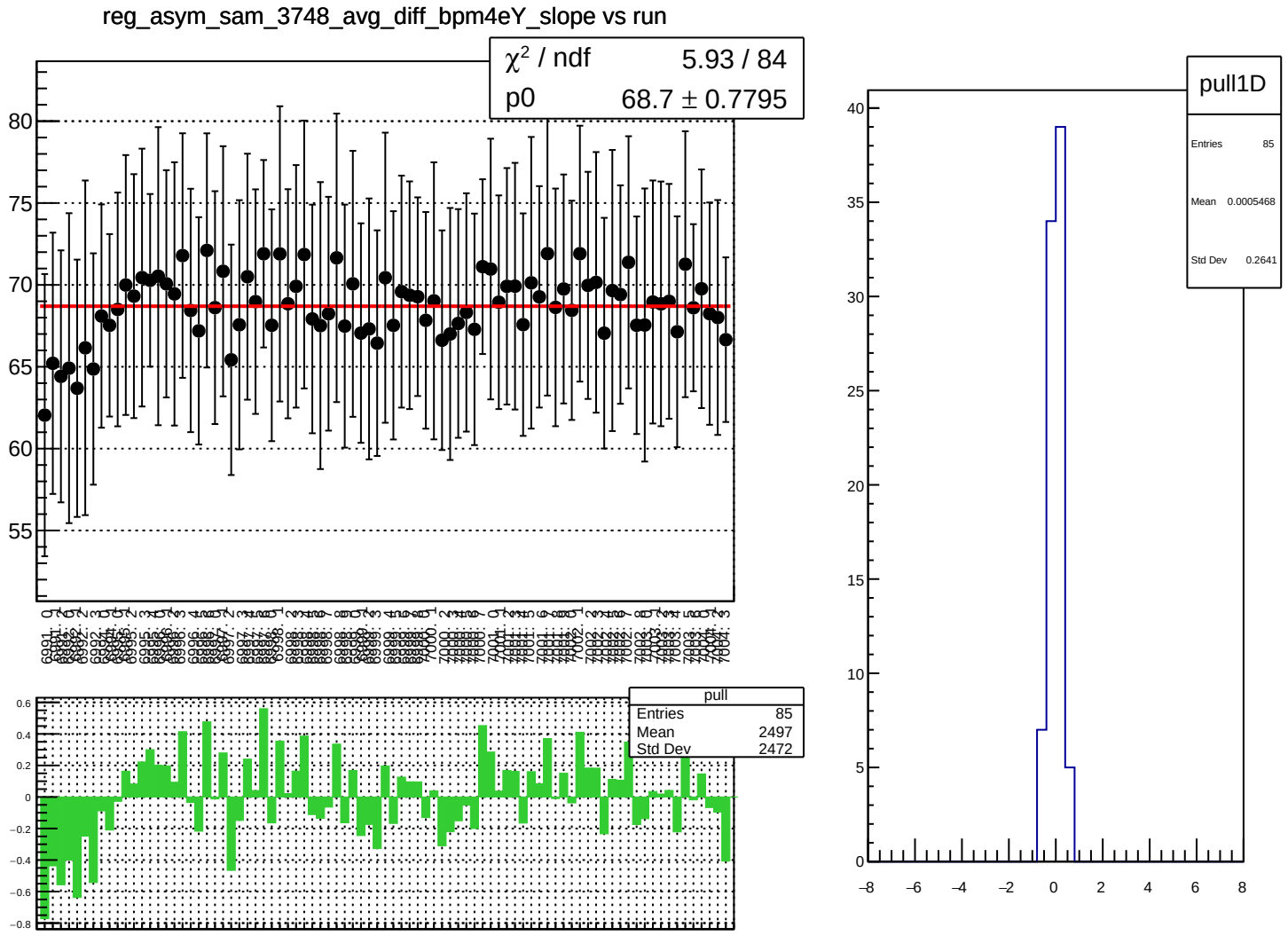

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 14.39 / 84
p0 0.1784 ± 0.0283
pull
Entries 85
Mean 102.9
Std Dev 164.8
pull1D
Entries 85
Mean −0.006631
Std Dev 0.4114

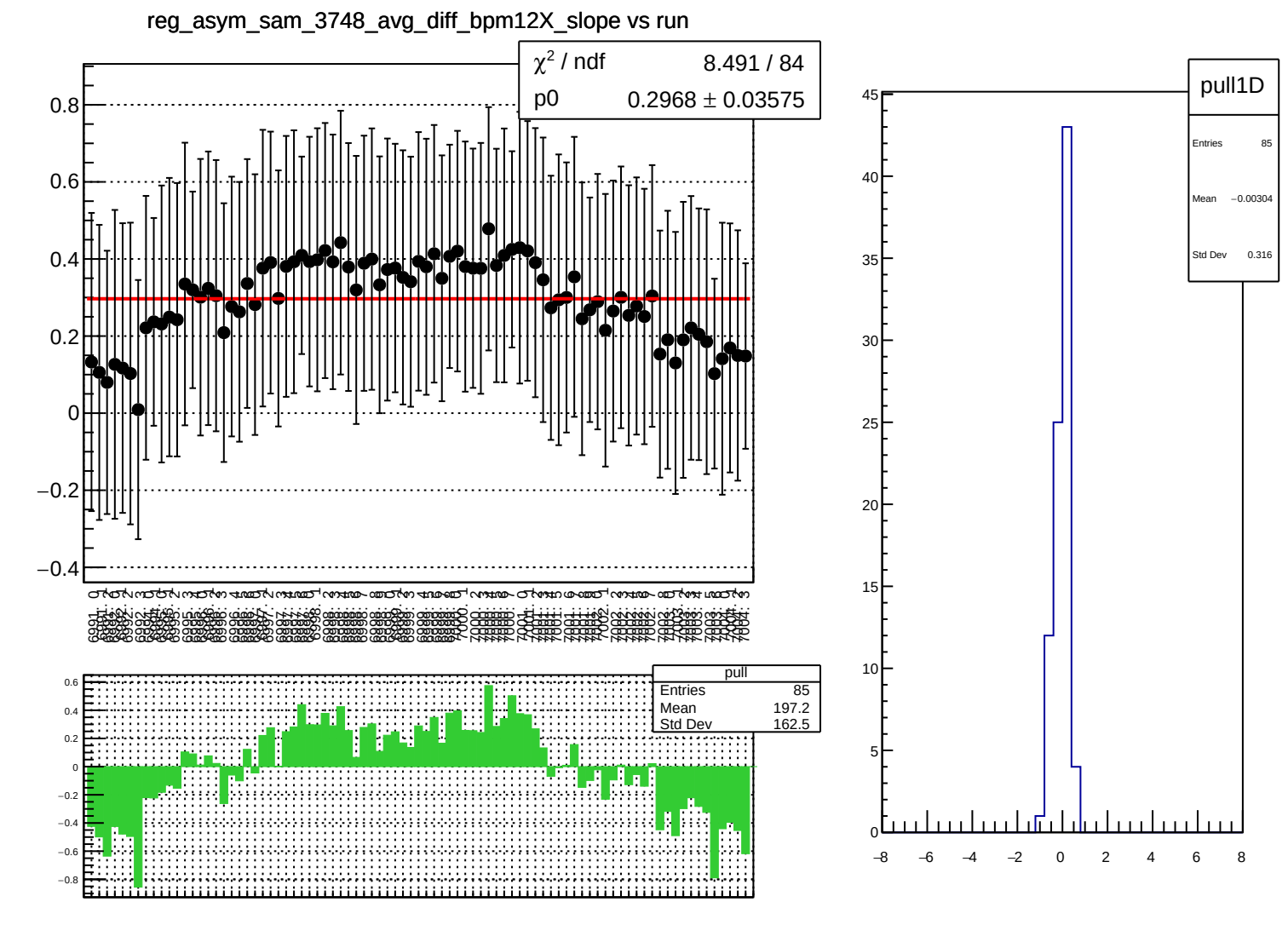

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 9.29 / 84
p0 −13.47 ± 1.078
10
0
−10
−20
−30
pull
Entries 85
Mean −130.4
Std Dev 149.1
2
1.5
1
0.5
0
−0.5
pull1D
Entries 85
Mean −0.006008
Std Dev 0.3305
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

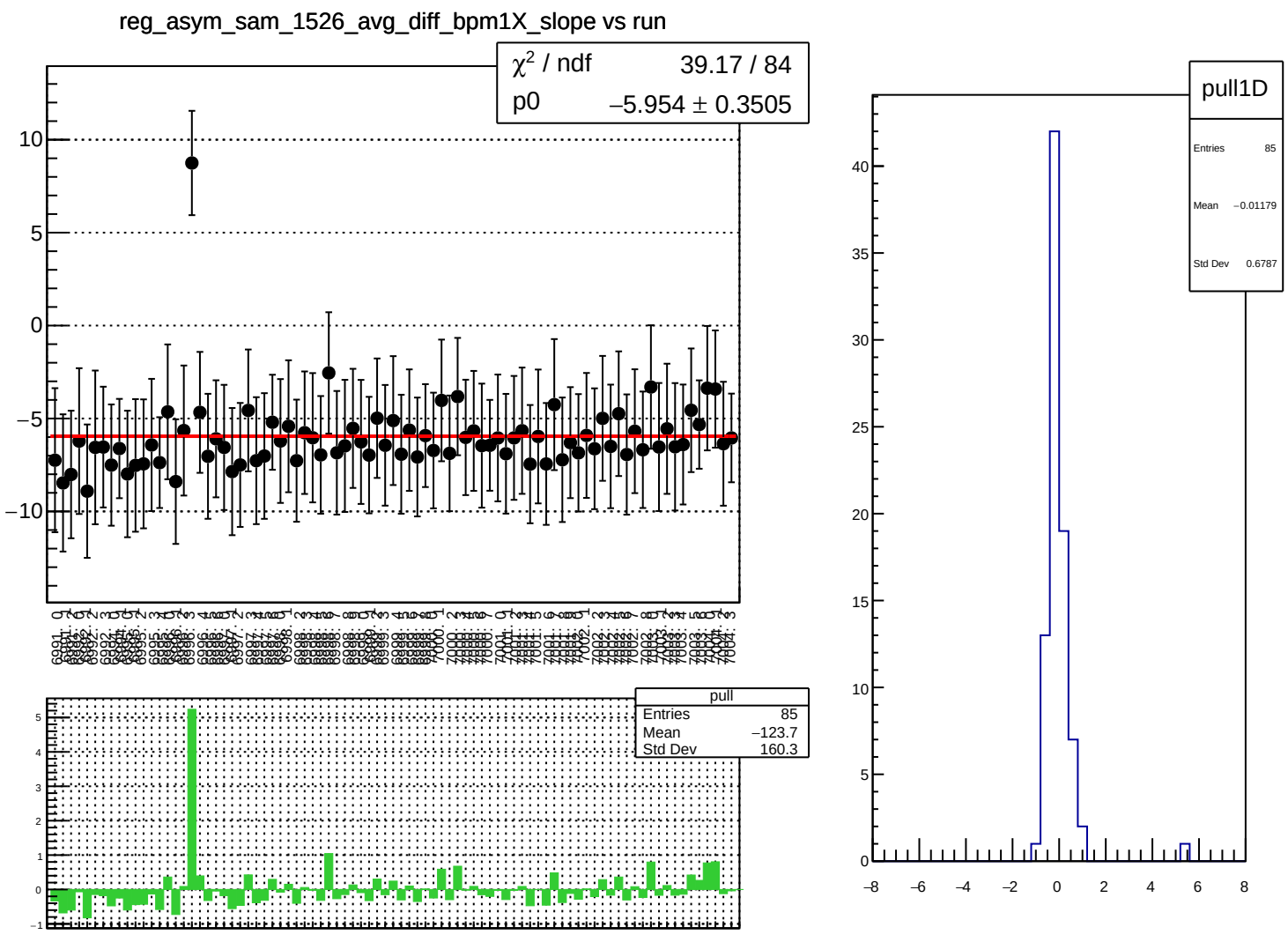

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.307 / 84
p0 −7.309 ± 0.7386
pull
Entries 85
Mean −1680
Std Dev 1704
pull1D
Entries 85
Mean 0.0006671
Std Dev 0.1973

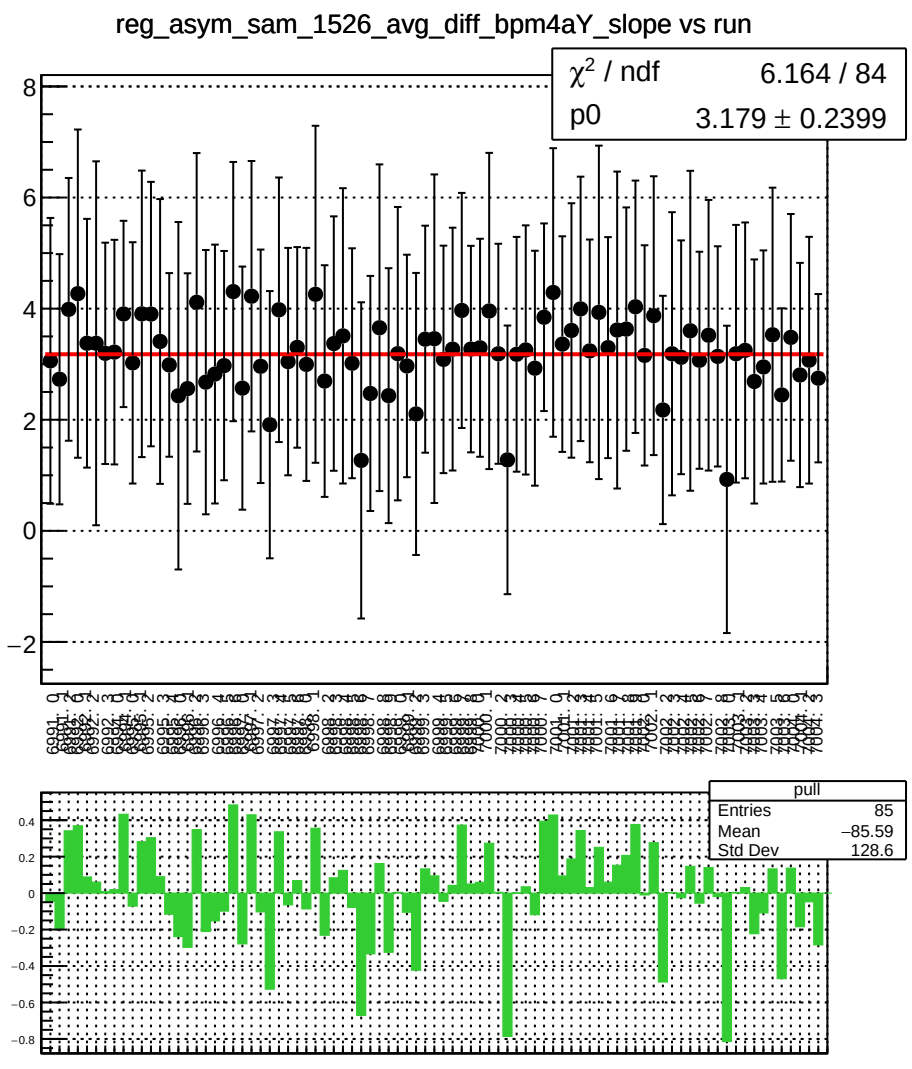

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.78 / 84
p0 −78 ± 0.9952
−60
−70
−80
−90
−100
pull
Entries 85
Mean −88.79
Std Dev 22.77
0.5
0
−0.5
−1
−1.5
−2

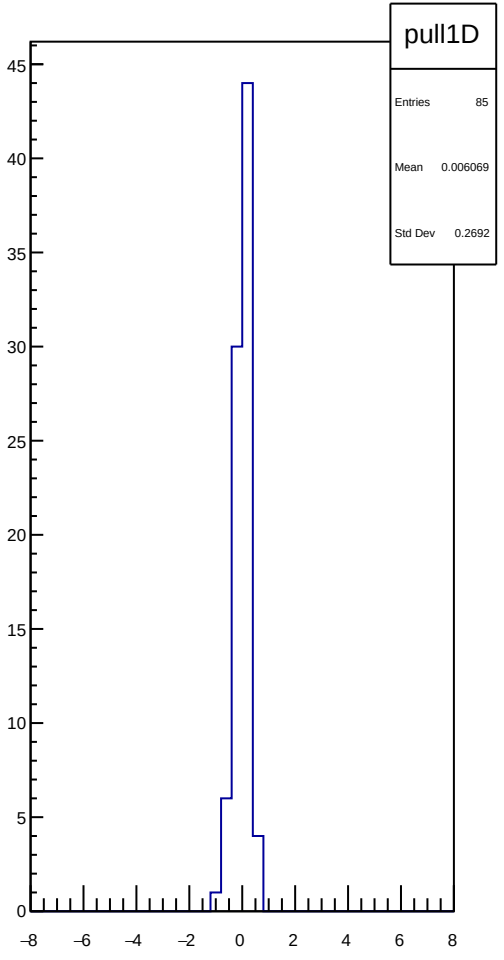

pull1D
Entries 85
Mean 0.002321
Std Dev 0.3722
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

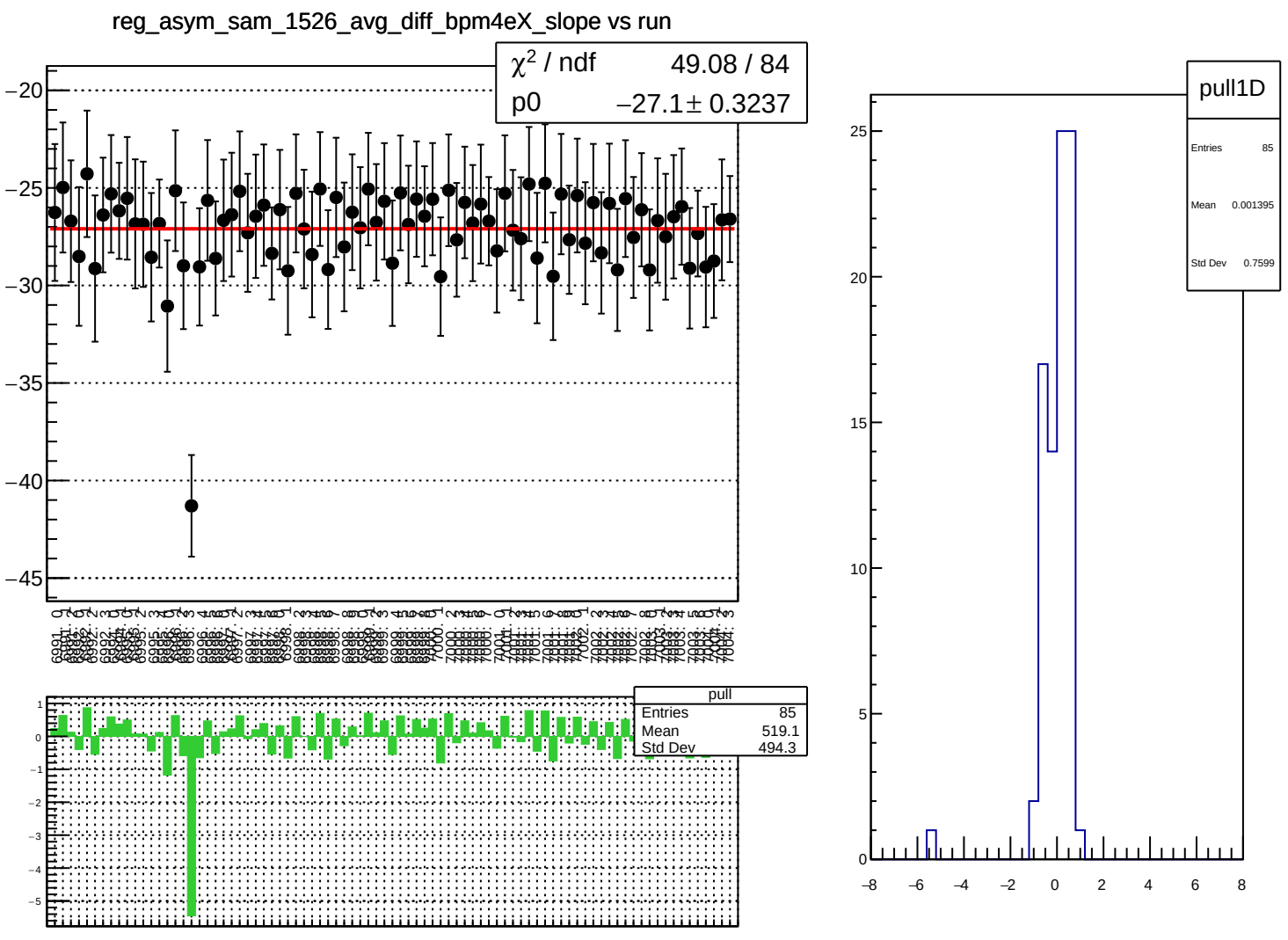

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.93 / 84
p0 68.7 ± 0.7795
pull
Entries 85
Mean 2497
Std Dev 2472
pull1D
Entries 85
Mean 0.0005468
Std Dev 0.2641

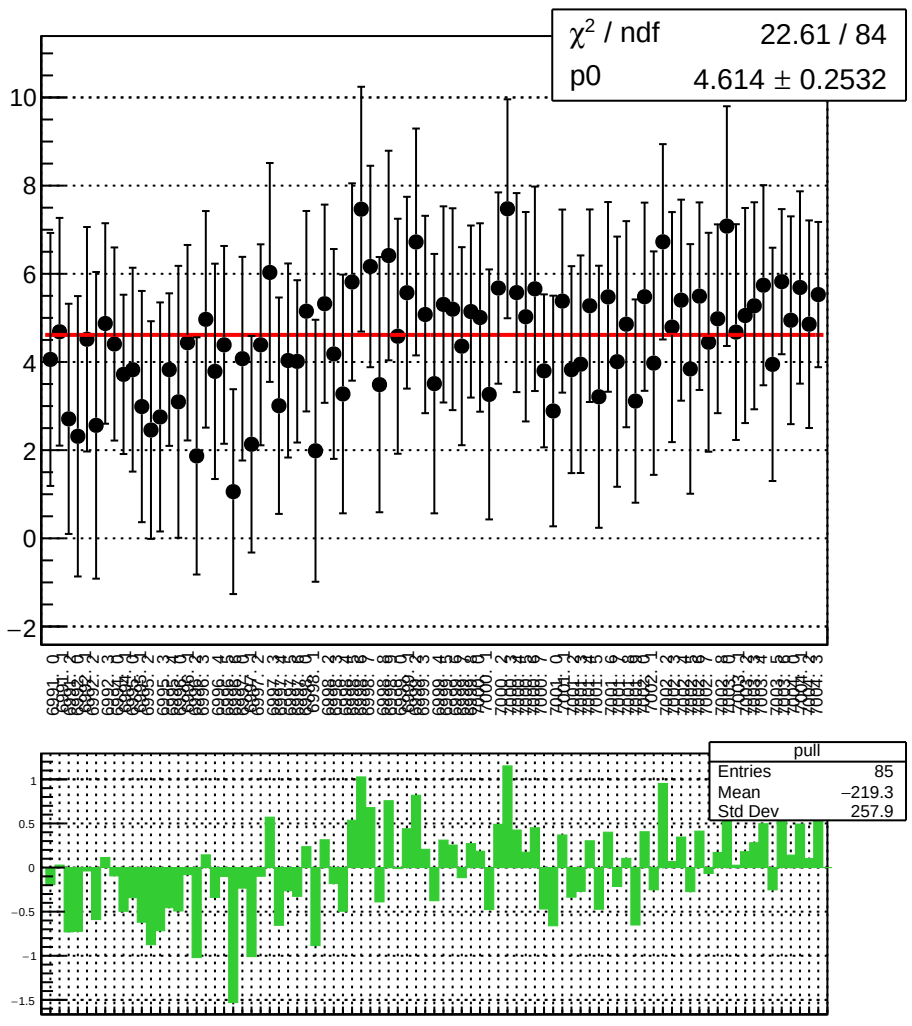

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 8.491 / 84
p0 0.2968 ± 0.03575
pull
Entries 85
Mean 197.2
Std Dev 162.5
pull1D
Entries 85
Mean −0.00304
Std Dev 0.316

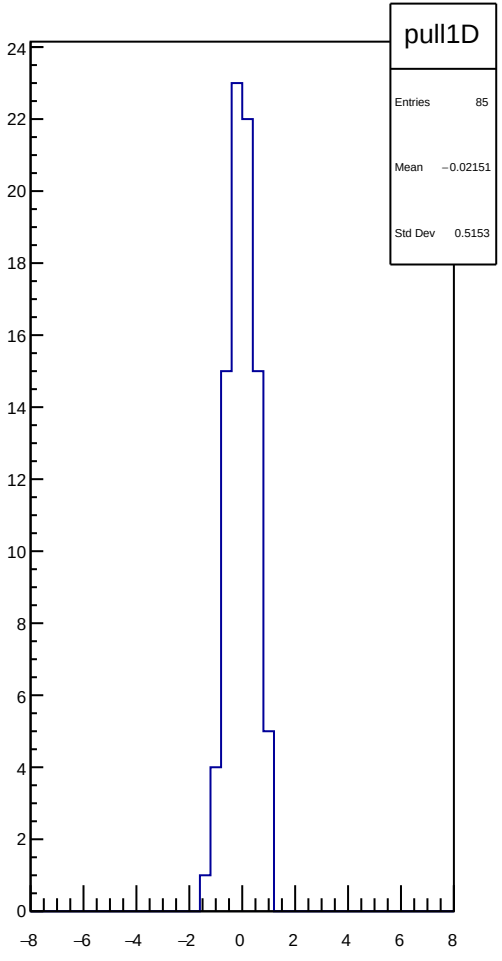

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 39.17 / 84
p0 −5.954 ± 0.3505
pull
Entries 85
Mean −123.7
Std Dev 160.3
pull1D
Entries 85
Mean −0.01179
Std Dev 0.6787

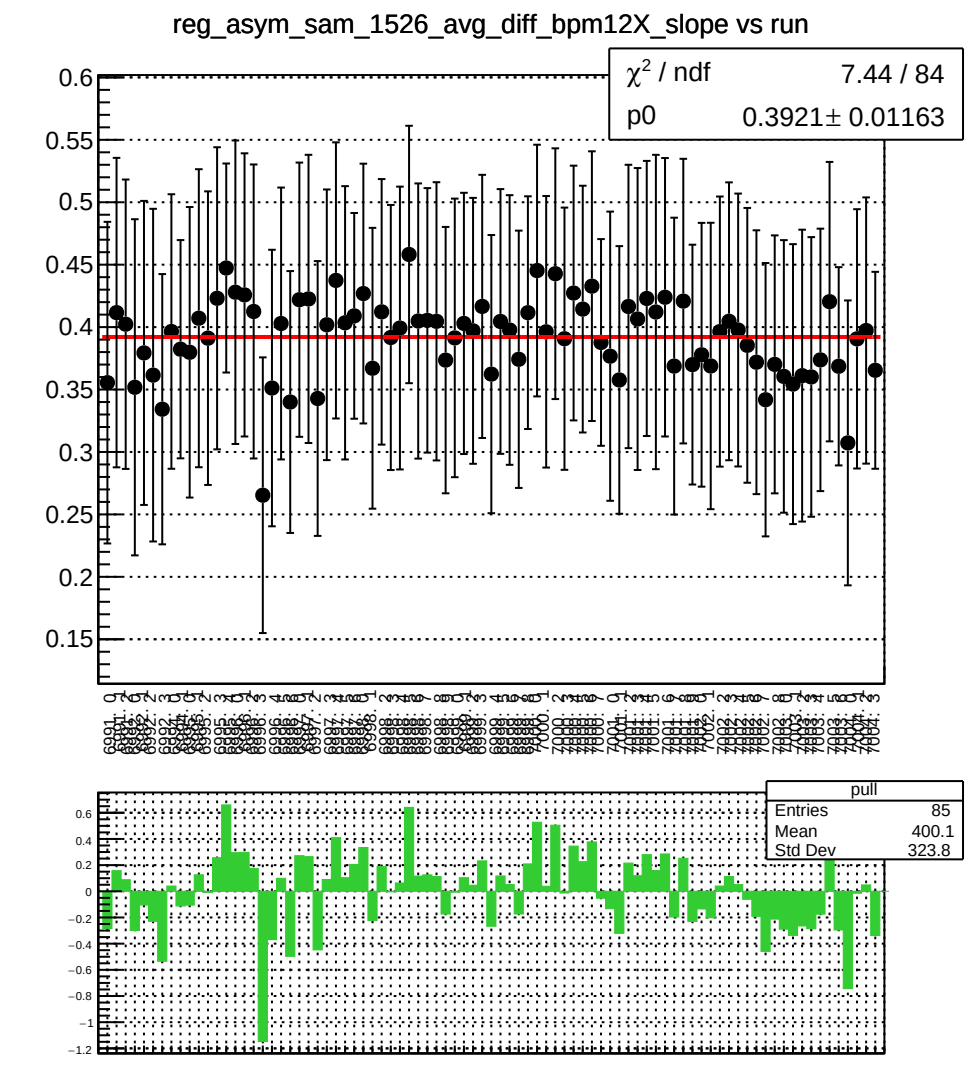

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.164 / 84
p0 3.179 ± 0.2399
pull
Entries 85
Mean −85.59
Std Dev 128.6

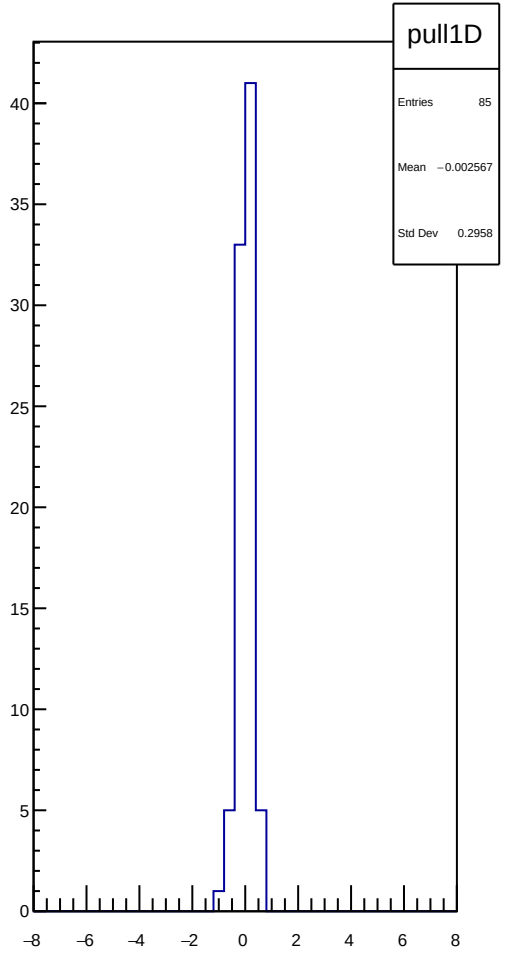

pull1D
Entries 85
Mean 0.006069
Std Dev 0.2692

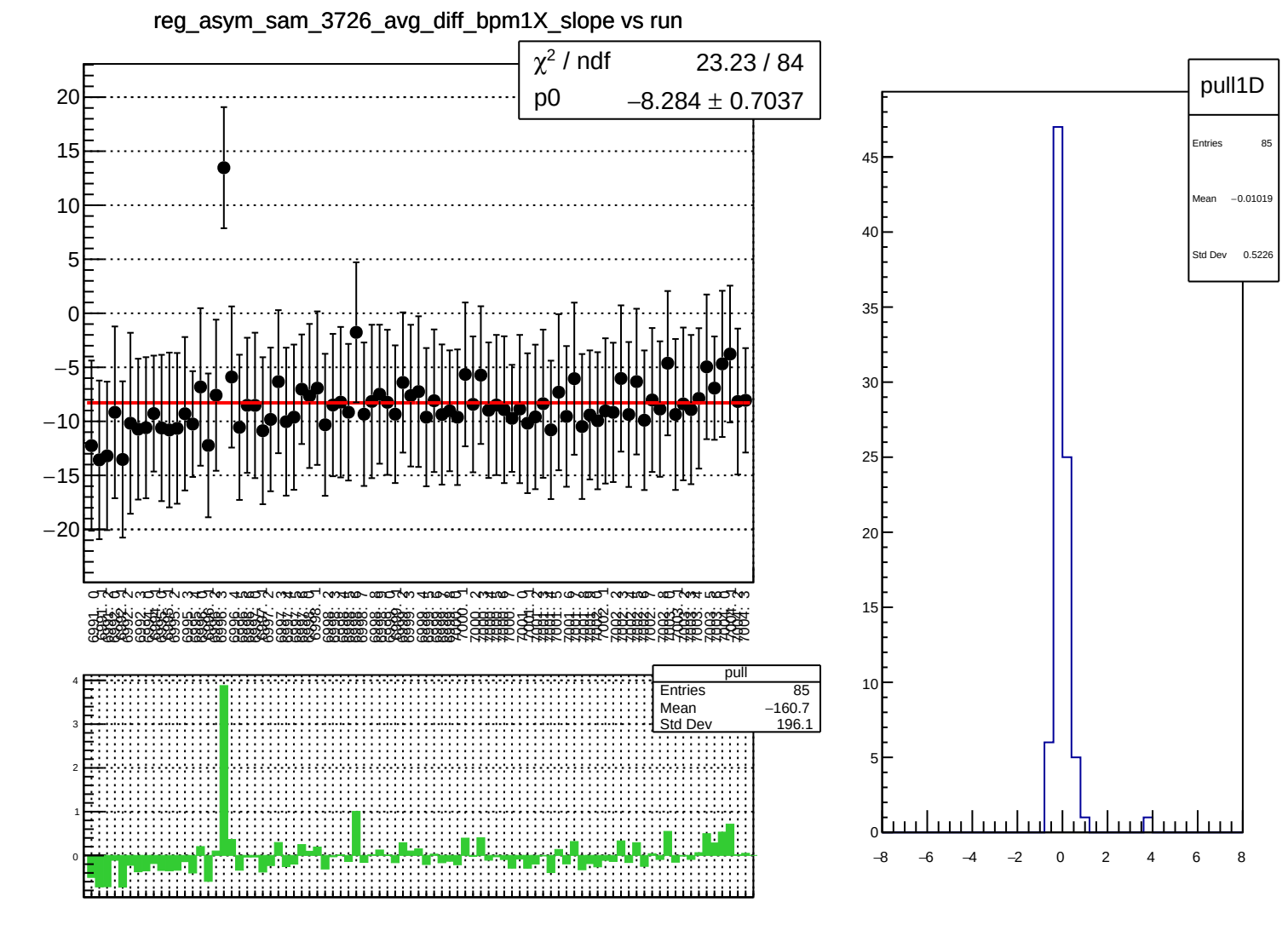

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 49.08 / 84
p0 −27.1 ± 0.3237
pull
Entries 85
Mean 519.1
Std Dev 494.3
pull1D
Entries 85
Mean 0.001395
Std Dev 0.7599

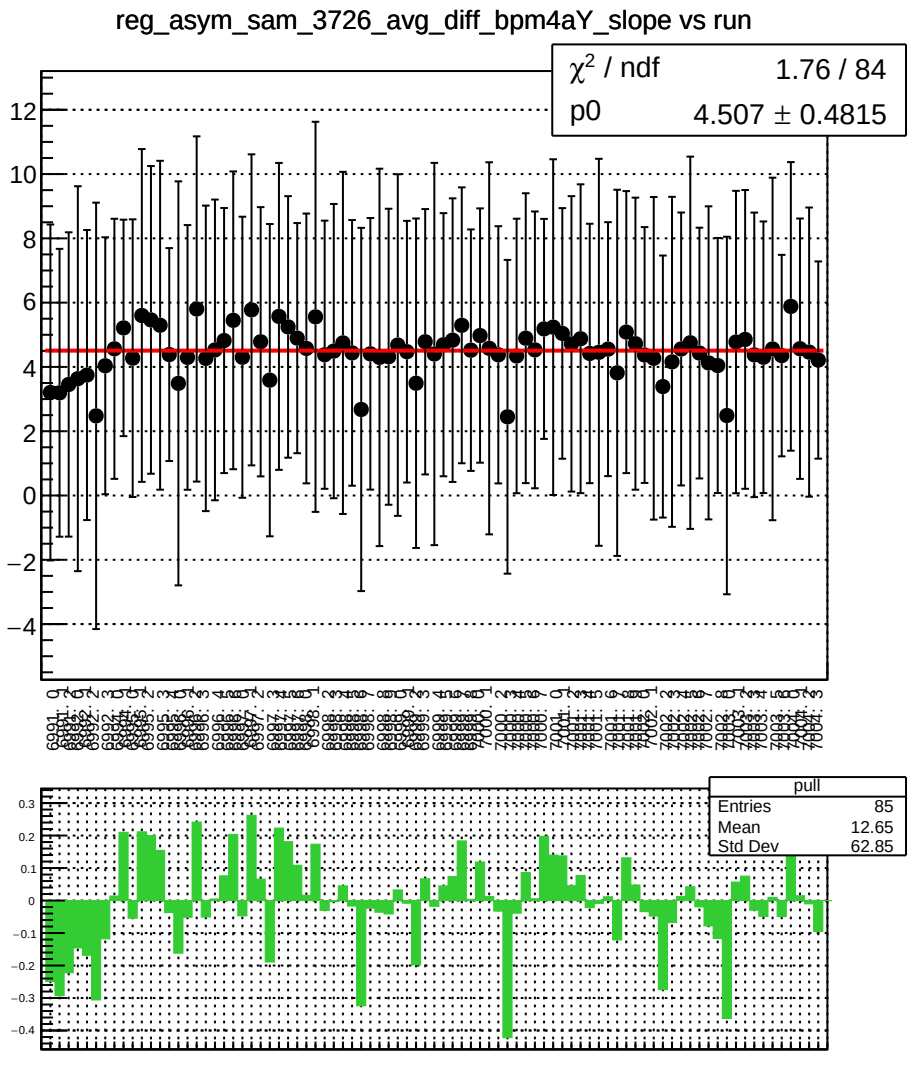

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.61 / 84
p0 4.614 ± 0.2532
pull
Entries 85
Mean −219.3
Std Dev 257.9

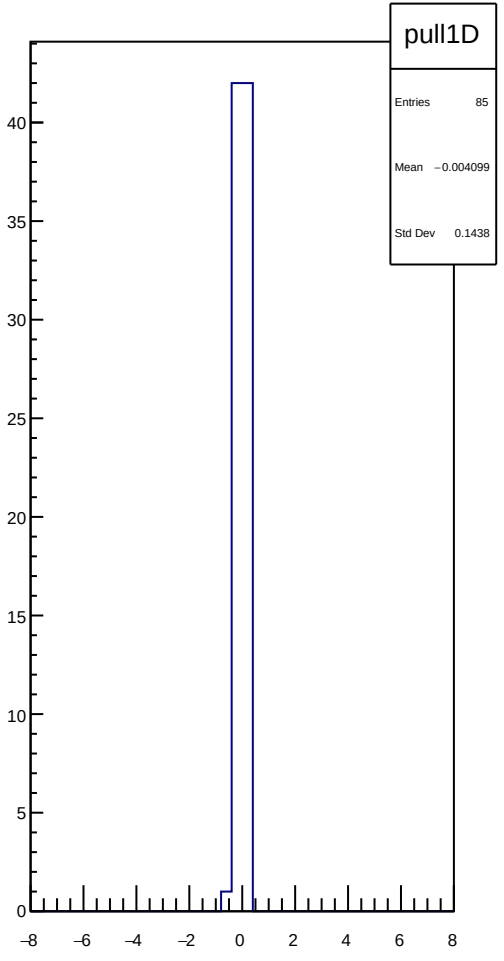

pull1D
Entries 85
Mean −0.02151
Std Dev 0.5153

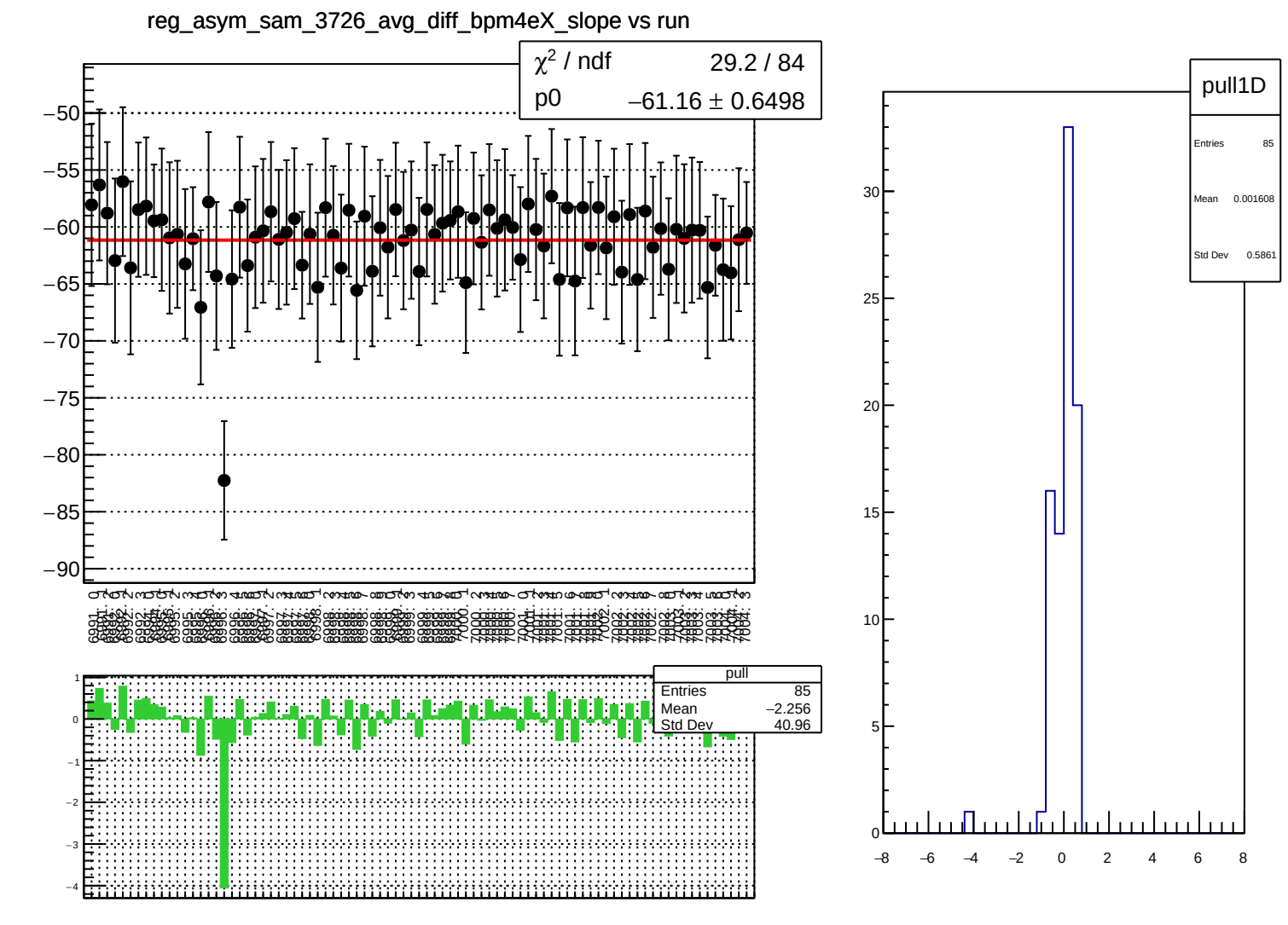

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 7.44 / 84
p0 0.3921± 0.01163
pull
Entries 85
Mean 400.1
Std Dev 323.8

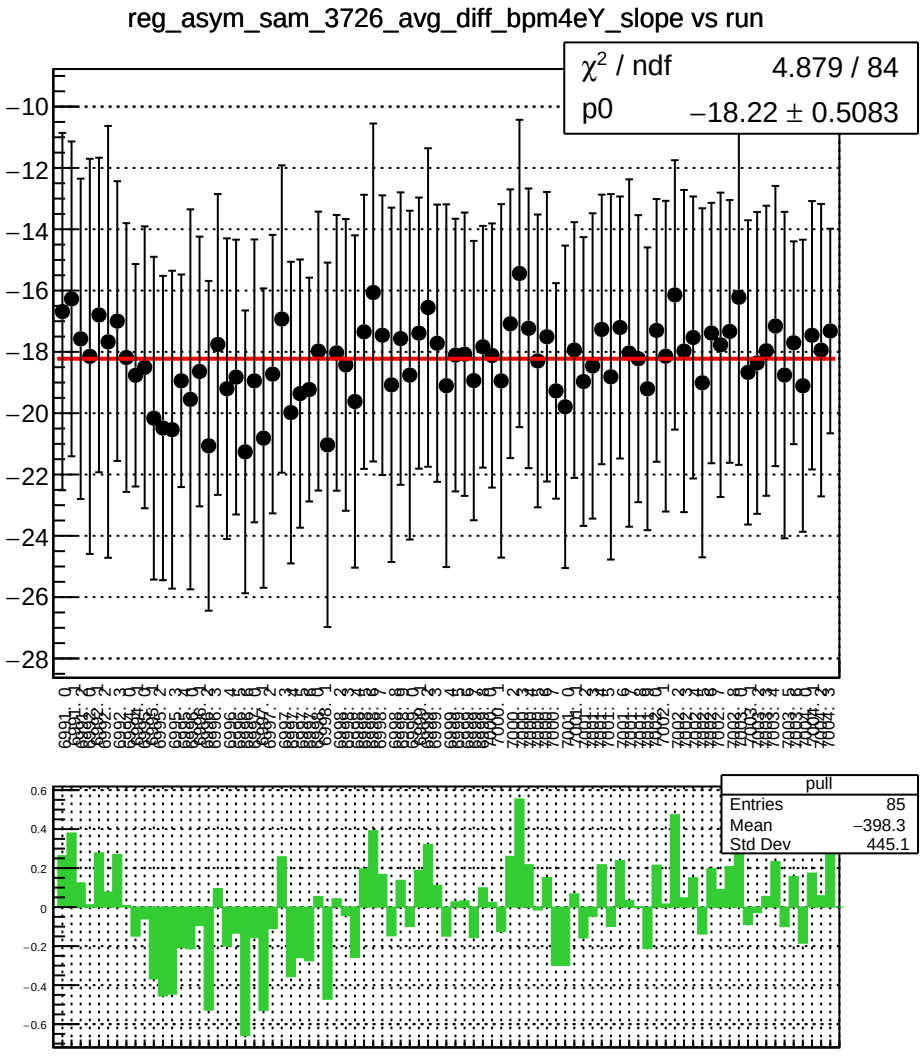

pull1D
Entries 85
Mean −0.002567
Std Dev 0.2958

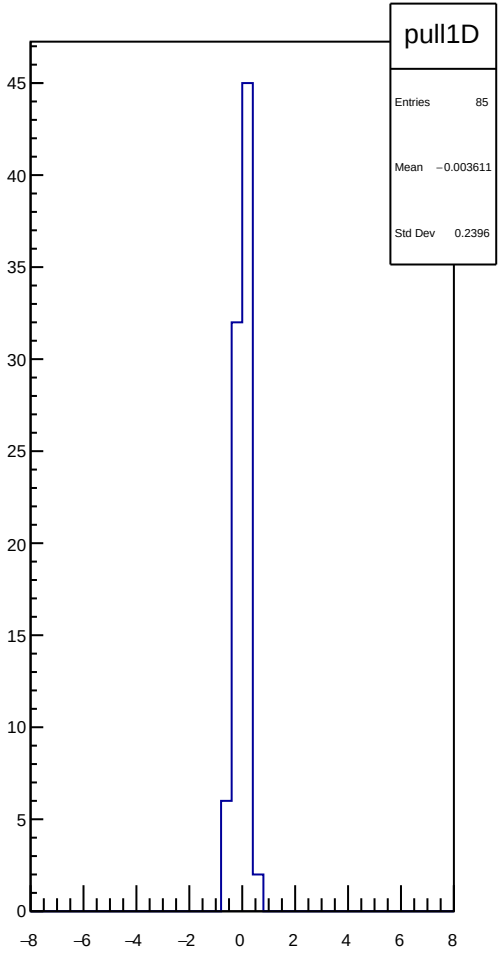

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 23.23 / 84
p0 −8.284 ± 0.7037
pull
Entries 85
Mean −160.7
Std Dev 196.1
pull1D
Entries 85
Mean −0.01019
Std Dev 0.5226

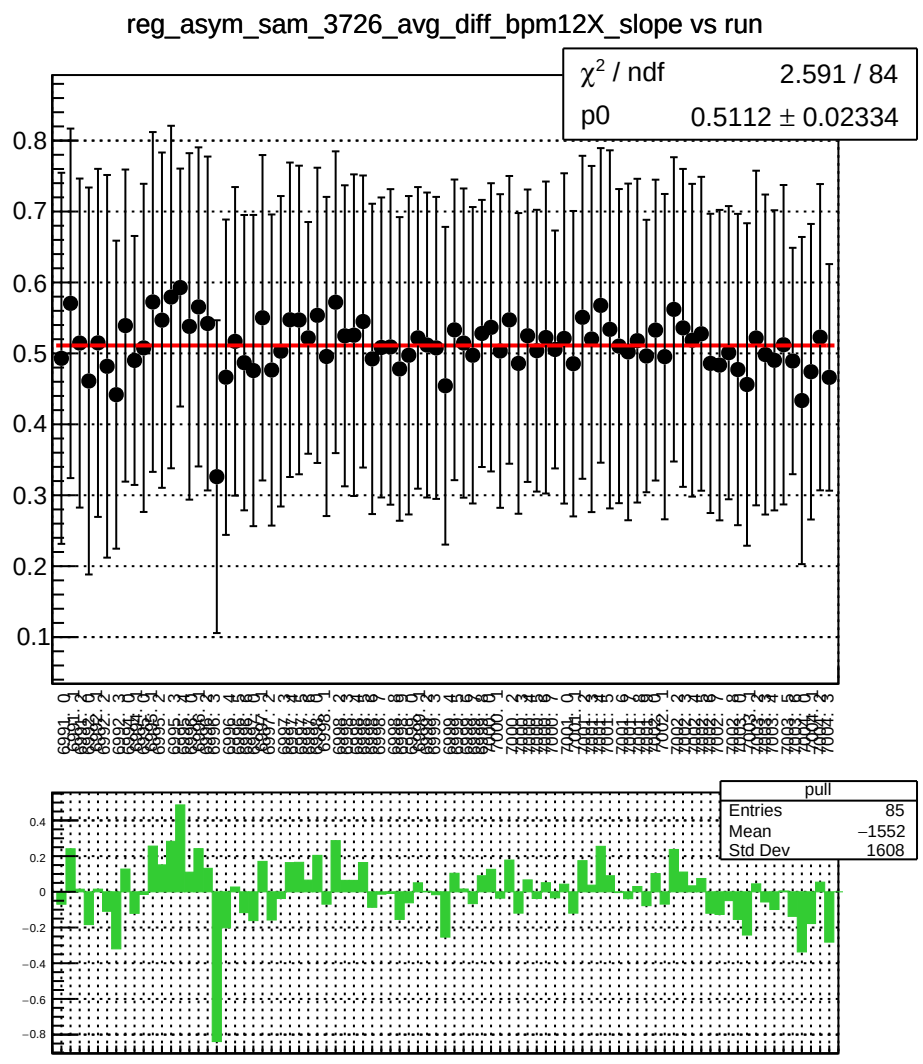

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.76 / 84
p0 4.507 ± 0.4815
pull
Entries 85
Mean 12.65
Std Dev 62.85

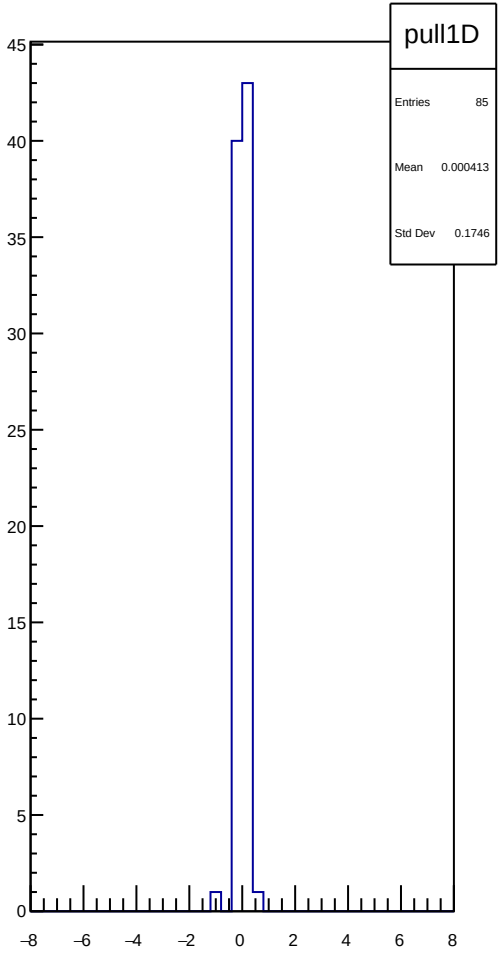

pull1D
Entries 85
Mean −0.004099
Std Dev 0.1438

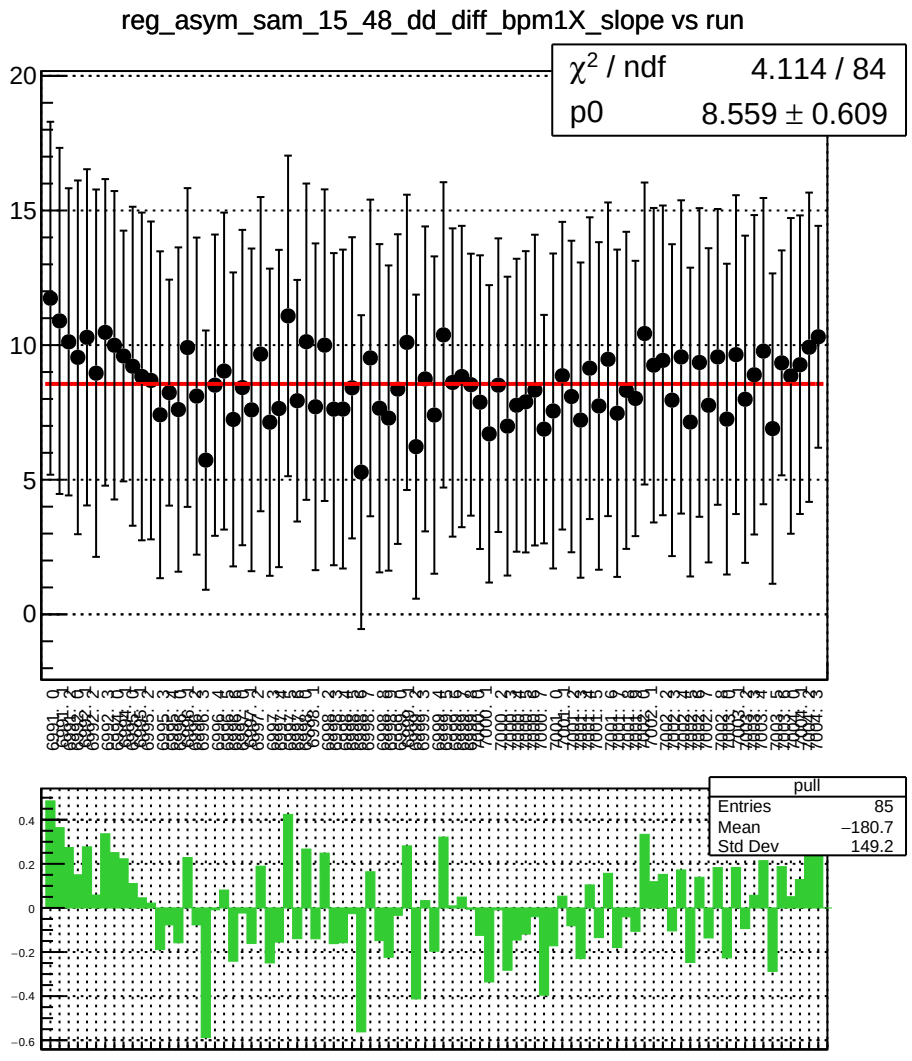

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.2 / 84
p0 −61.16 ± 0.6498
pull
Entries 85
Mean −2.256
Std Dev 40.96
pull1D
Entries 85
Mean 0.001608
Std Dev 0.5861

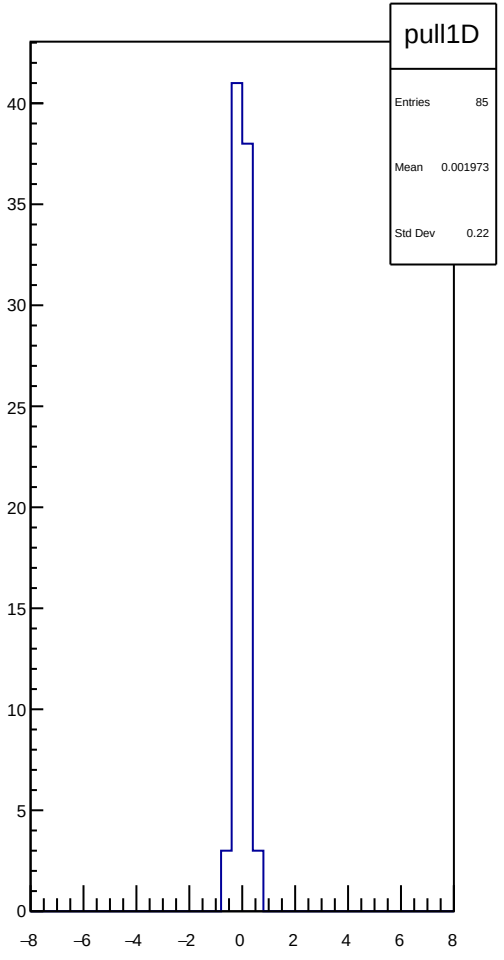

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.879 / 84
p0 −18.22 ± 0.5083
pull
Entries 85
Mean −398.3
Std Dev 445.1

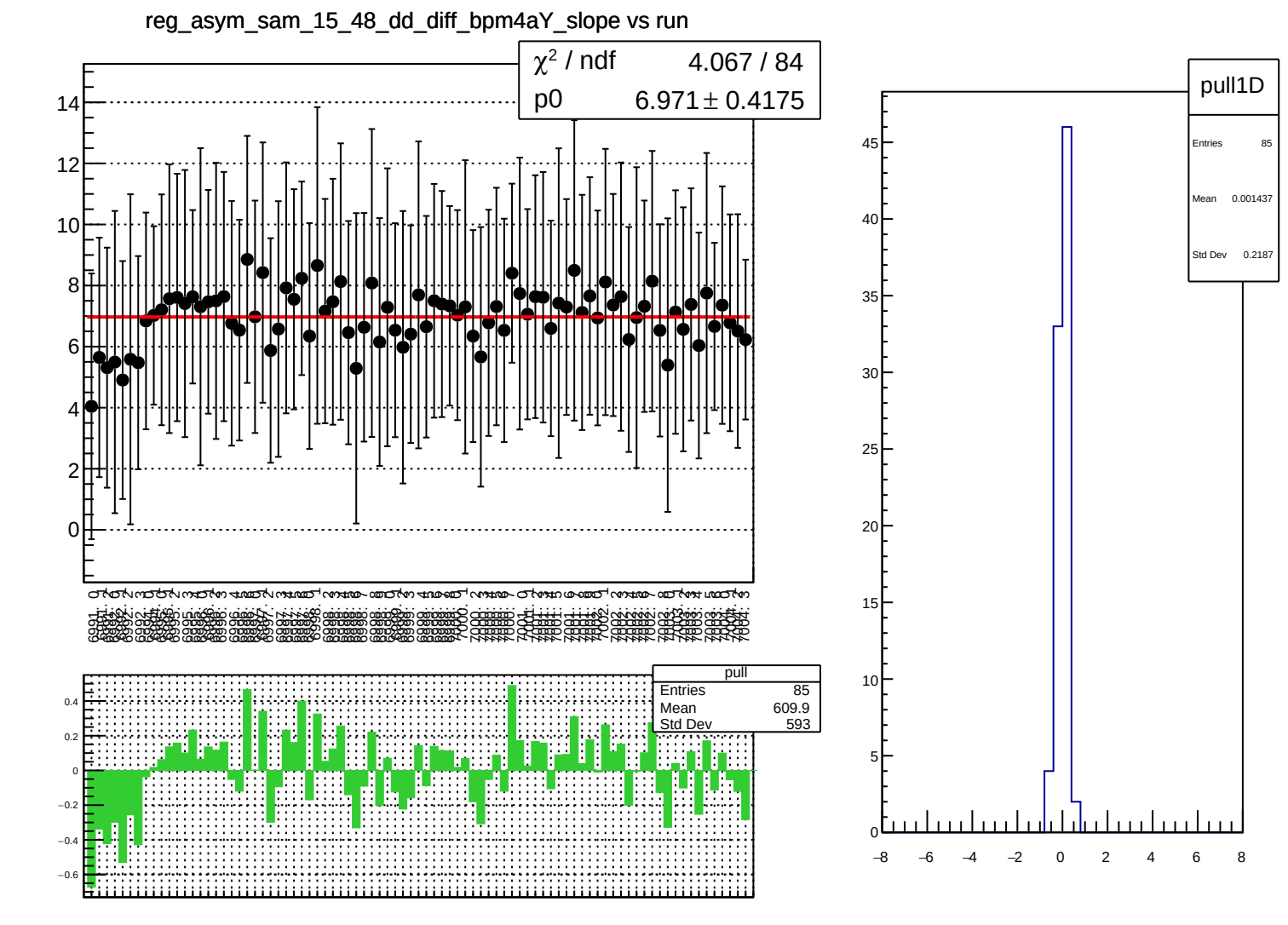

pull1D
Entries 85
Mean −0.003611
Std Dev 0.2396

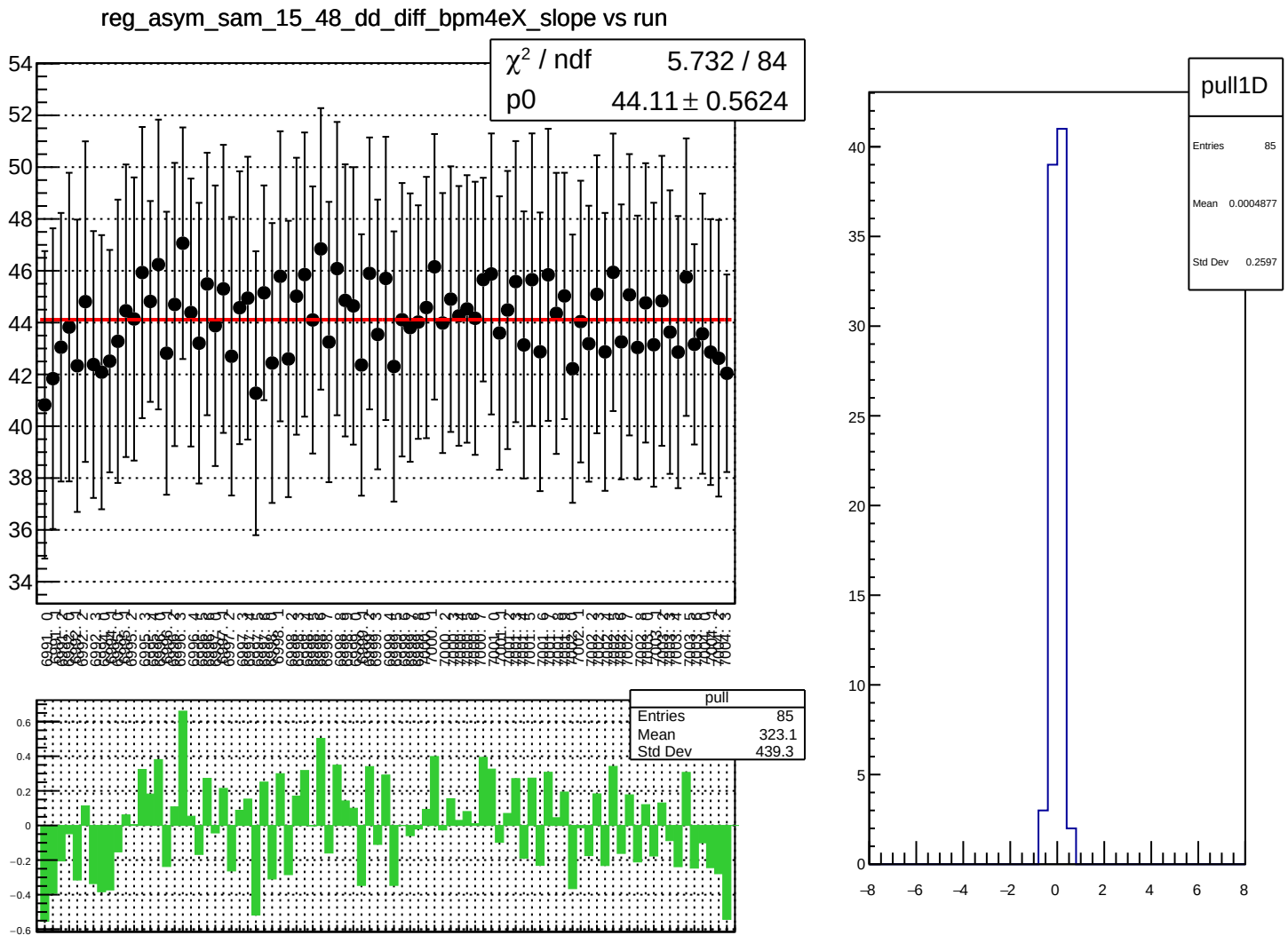

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.591 / 84
p0 0.5112 ± 0.02334
pull
Entries 85
Mean −1552
Std Dev 1608

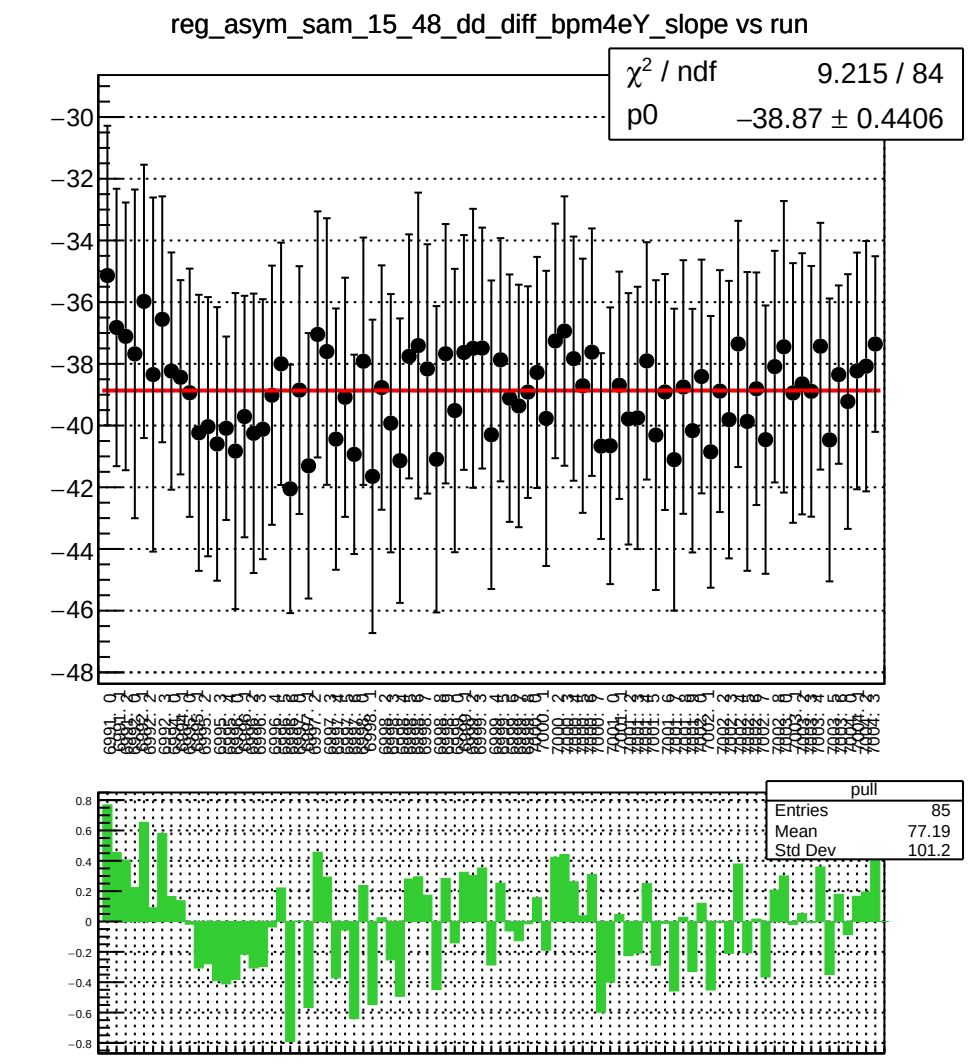

pull1D
Entries 85
Mean 0.000413
Std Dev 0.1746

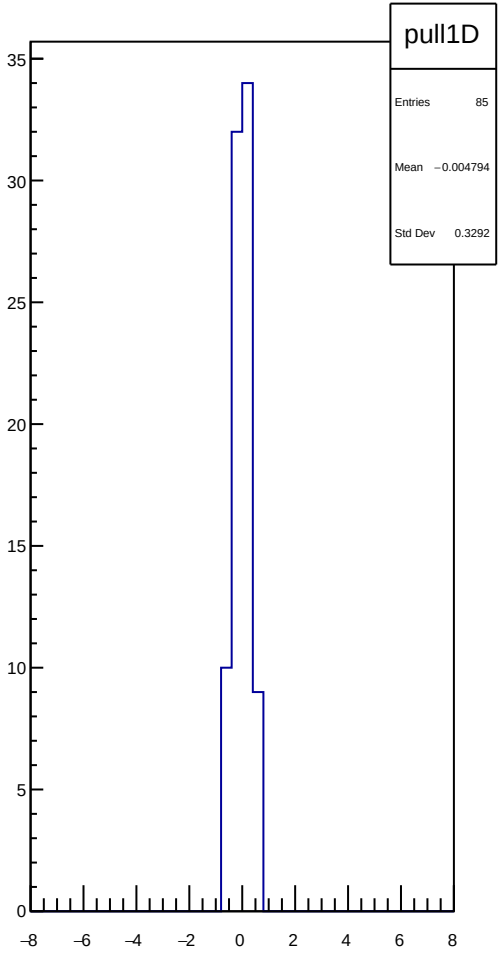

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.114 / 84
p0 8.559 ± 0.609
pull
Entries 85
Mean −180.7
Std Dev 149.2

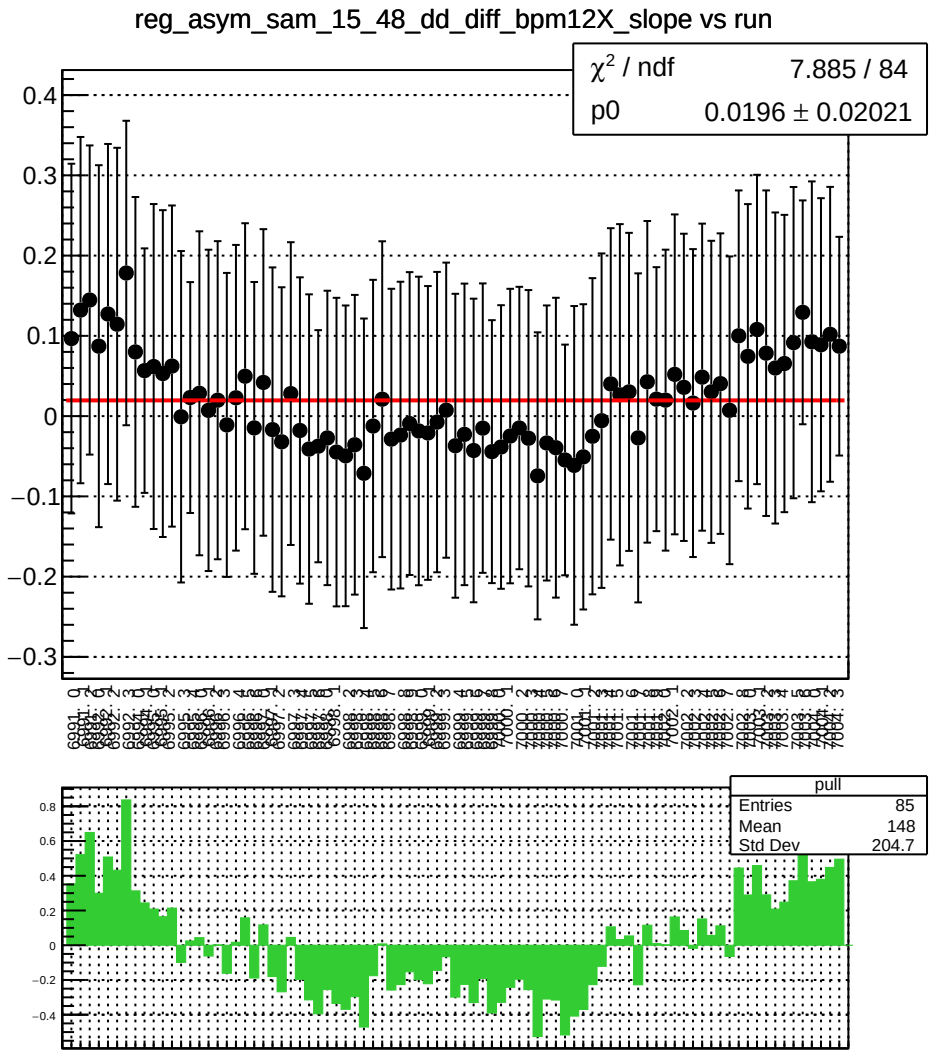

pull1D
Entries 85
Mean 0.001973
Std Dev 0.22

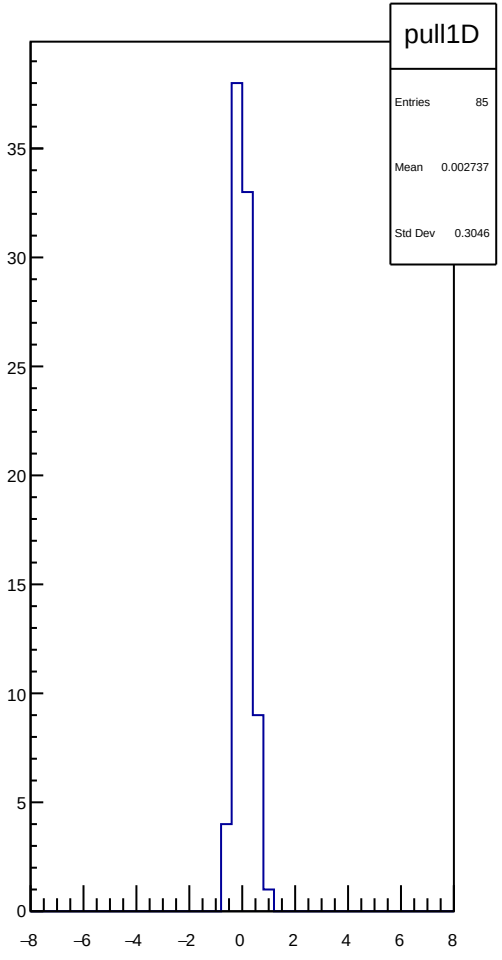

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.067 / 84
p0 6.971 ± 0.4175
pull
Entries 85
Mean 609.9
Std Dev 593
pull1D
Entries 85
Mean 0.001437
Std Dev 0.2187

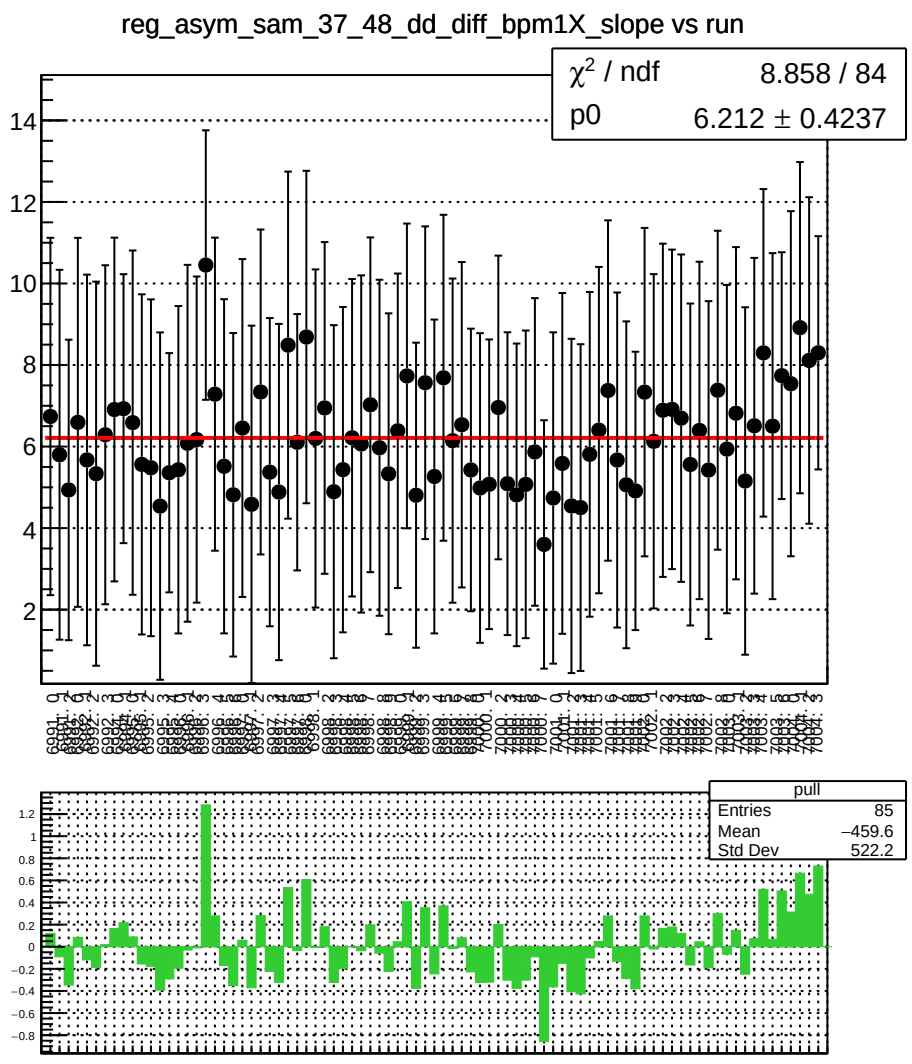

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 5.732 / 84
p0 44.11 ± 0.5624
pull
Entries 85
Mean 323.1
Std Dev 439.3
pull1D
Entries 85
Mean 0.0004877
Std Dev 0.2597

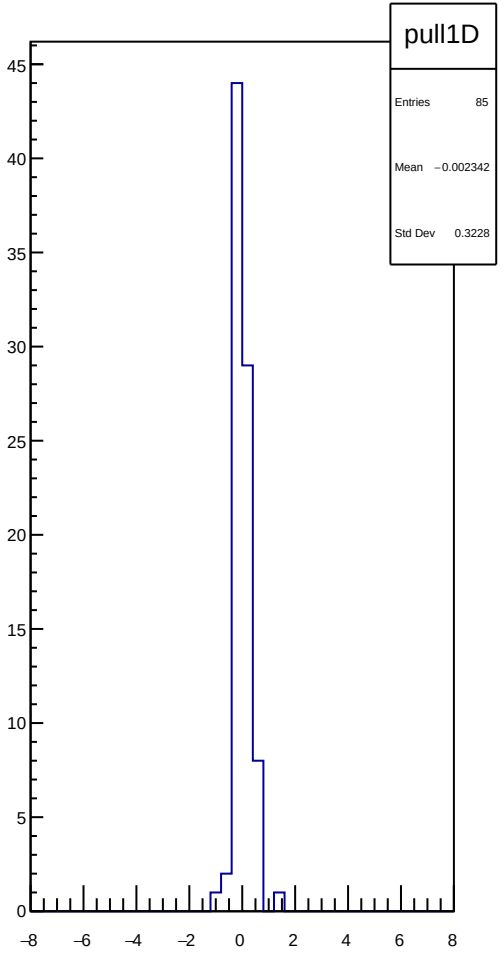

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.215 / 84
p0 −38.87 ± 0.4406
pull
Entries 85
Mean 77.19
Std Dev 101.2

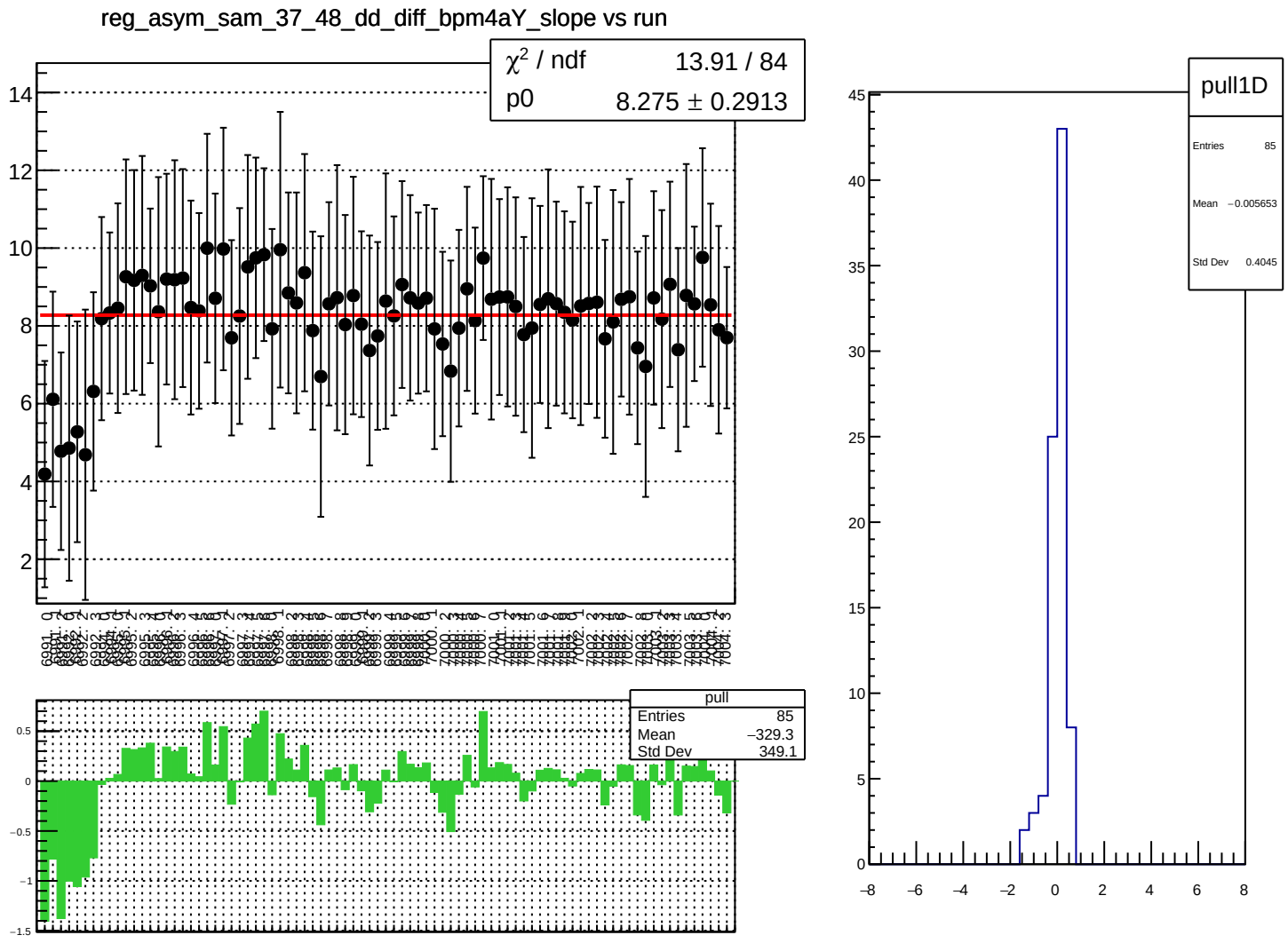

pull1D
Entries 85
Mean −0.004794
Std Dev 0.3292

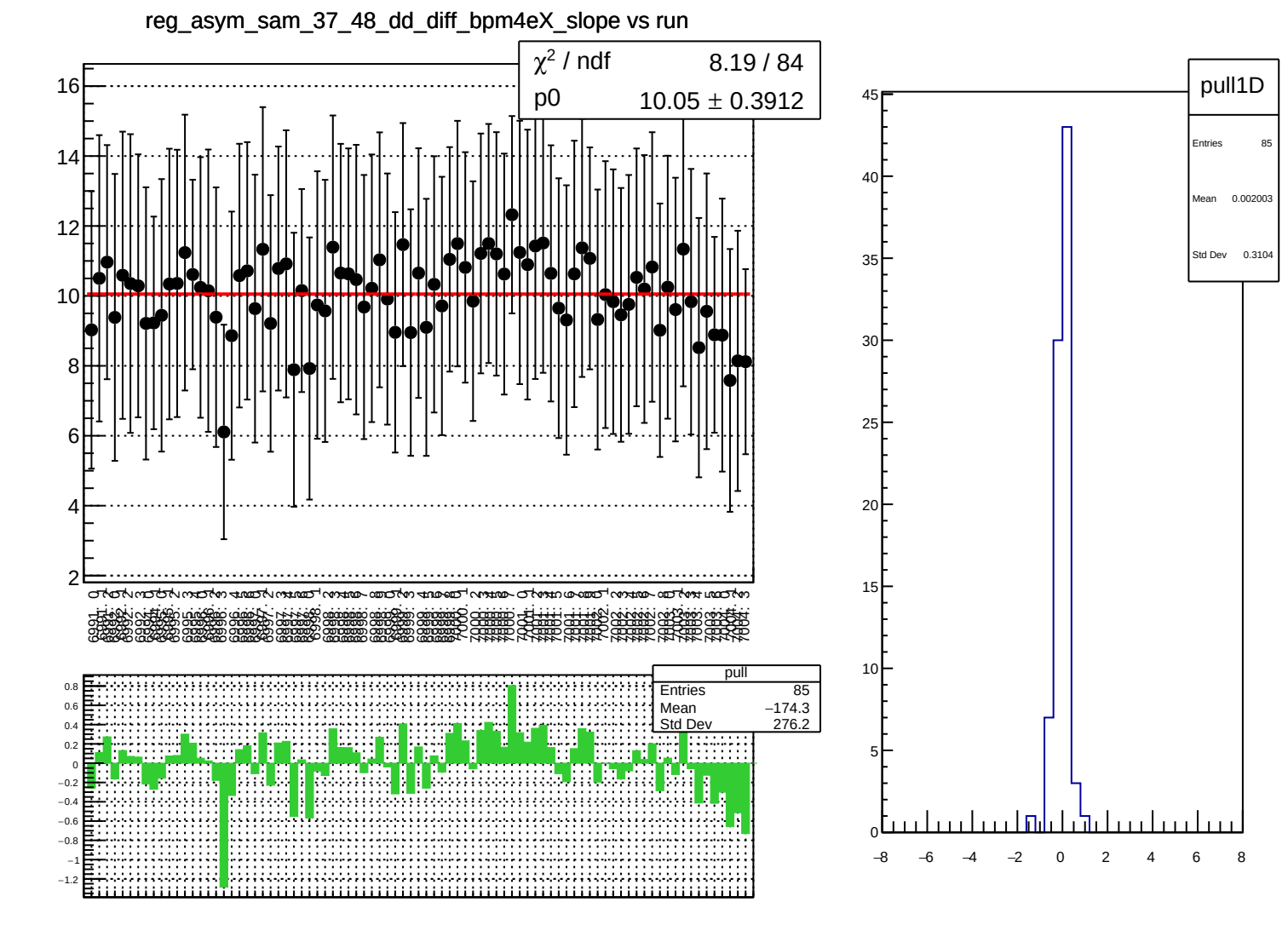

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 7.885 / 84
p0 0.0196 ± 0.02021
pull
Entries 85
Mean 148
Std Dev 204.7

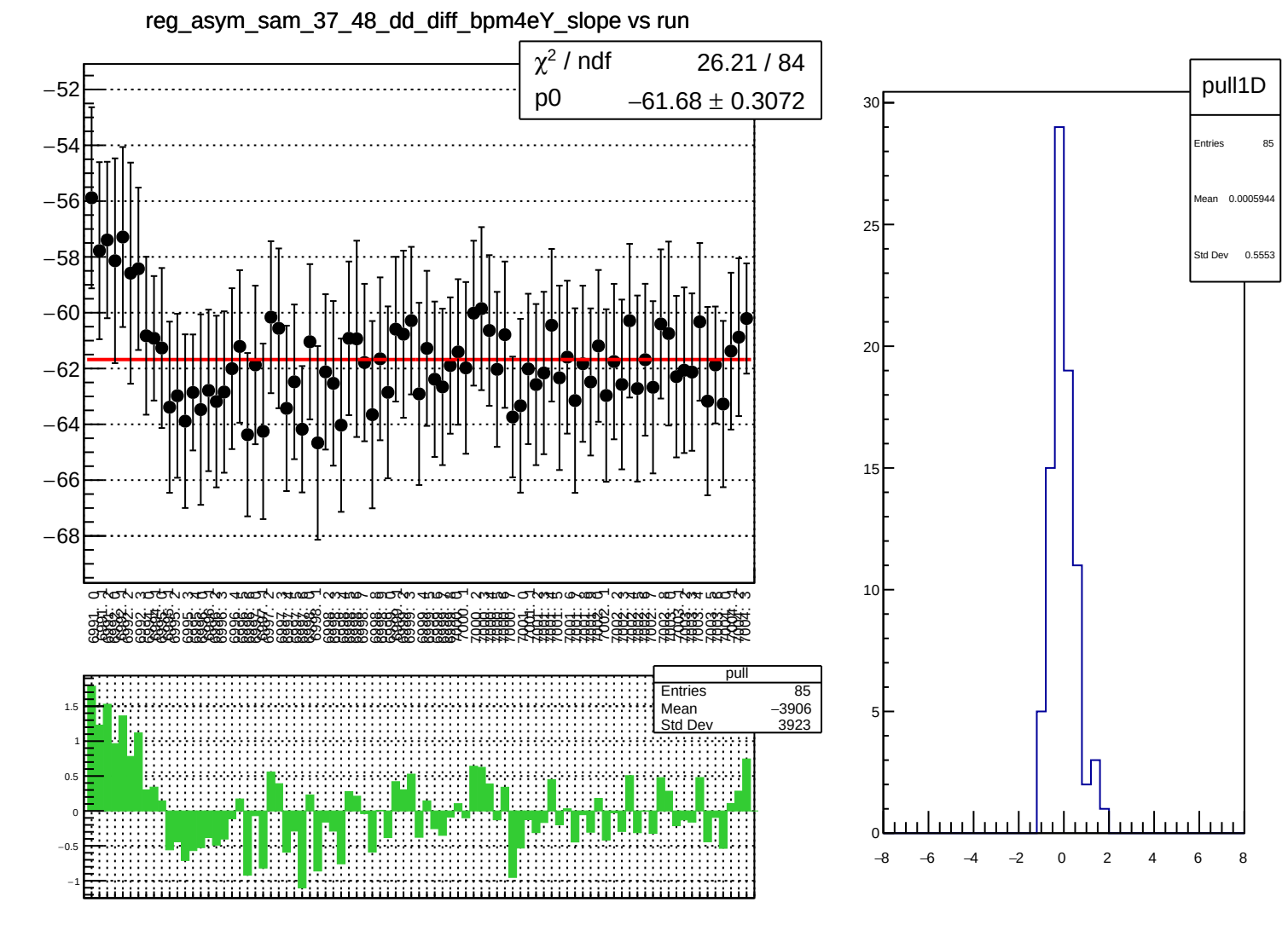

pull1D
Entries 85
Mean 0.002737
Std Dev 0.3046

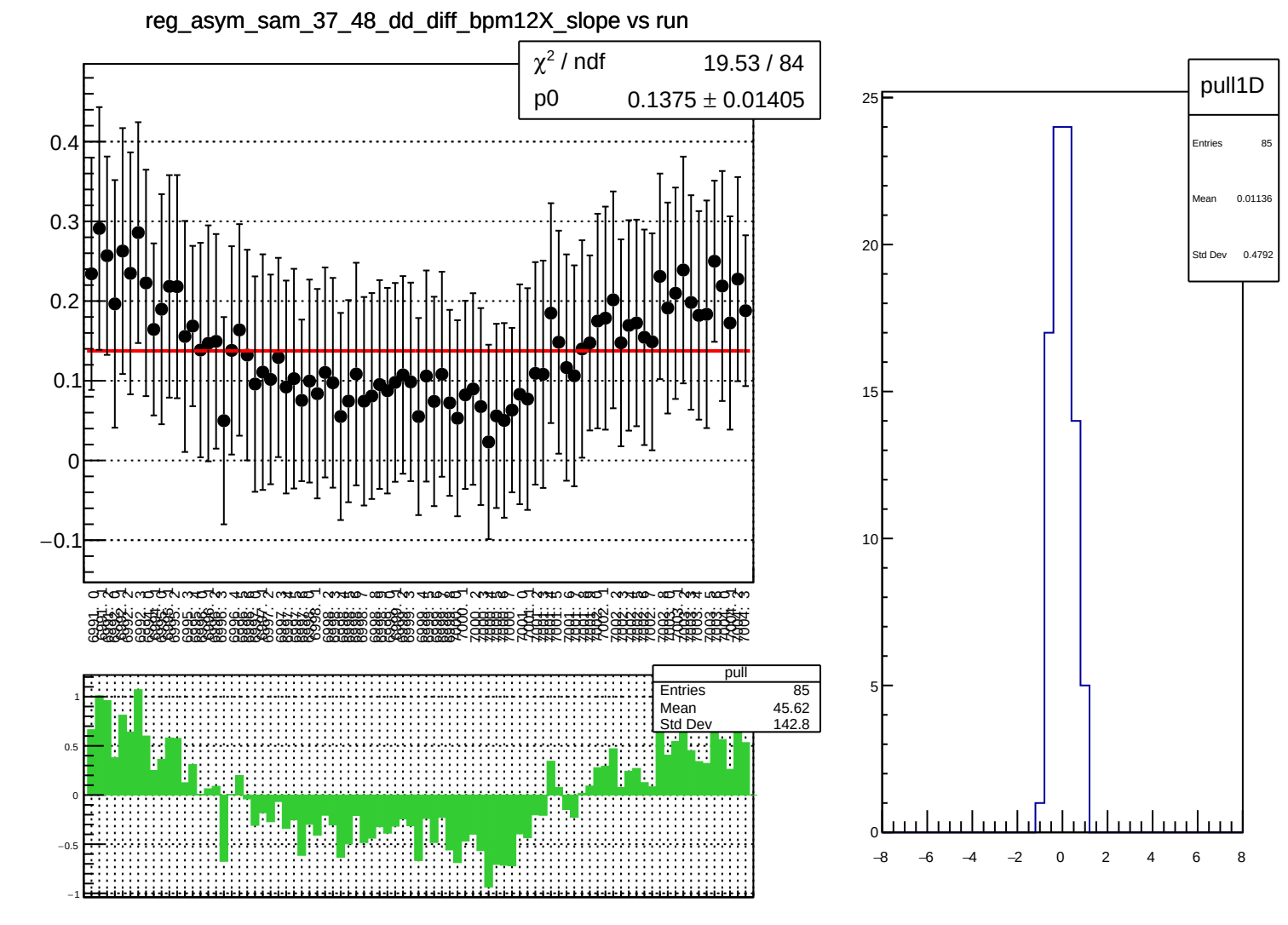

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 8.858 / 84
p0 6.212 ± 0.4237
pull
Entries 85
Mean −459.6
Std Dev 522.2

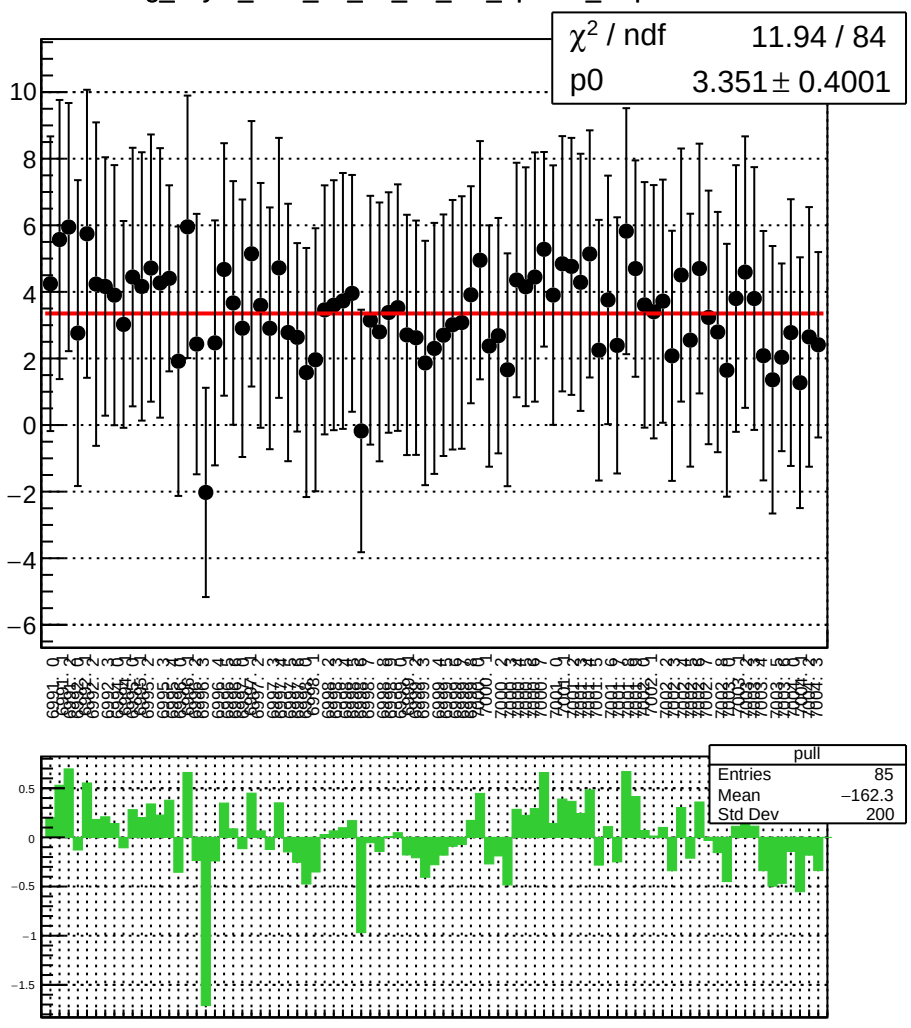

pull1D
Entries 85
Mean −0.002342
Std Dev 0.3228

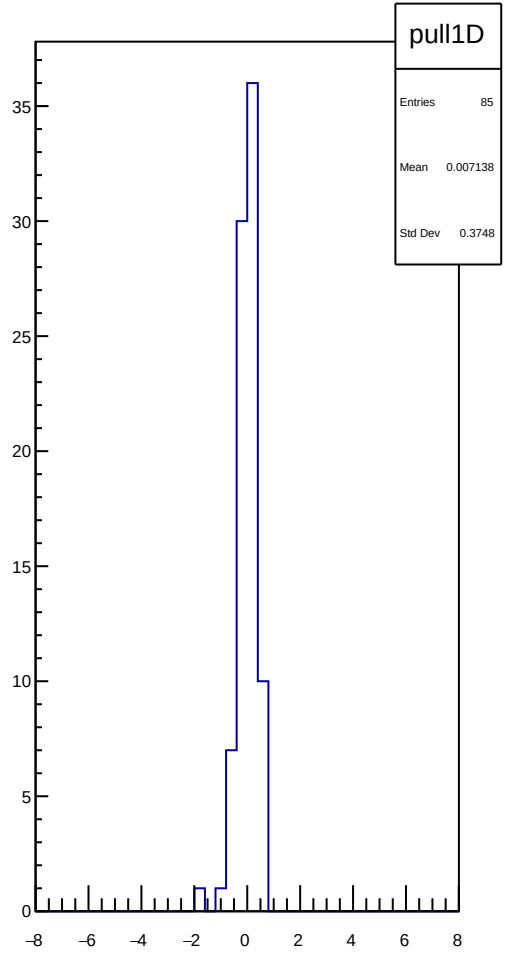

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.91 / 84
p0 8.275 ± 0.2913
pull
Entries 85
Mean −329.3
Std Dev 349.1
pull1D
Entries 85
Mean −0.005653
Std Dev 0.4045

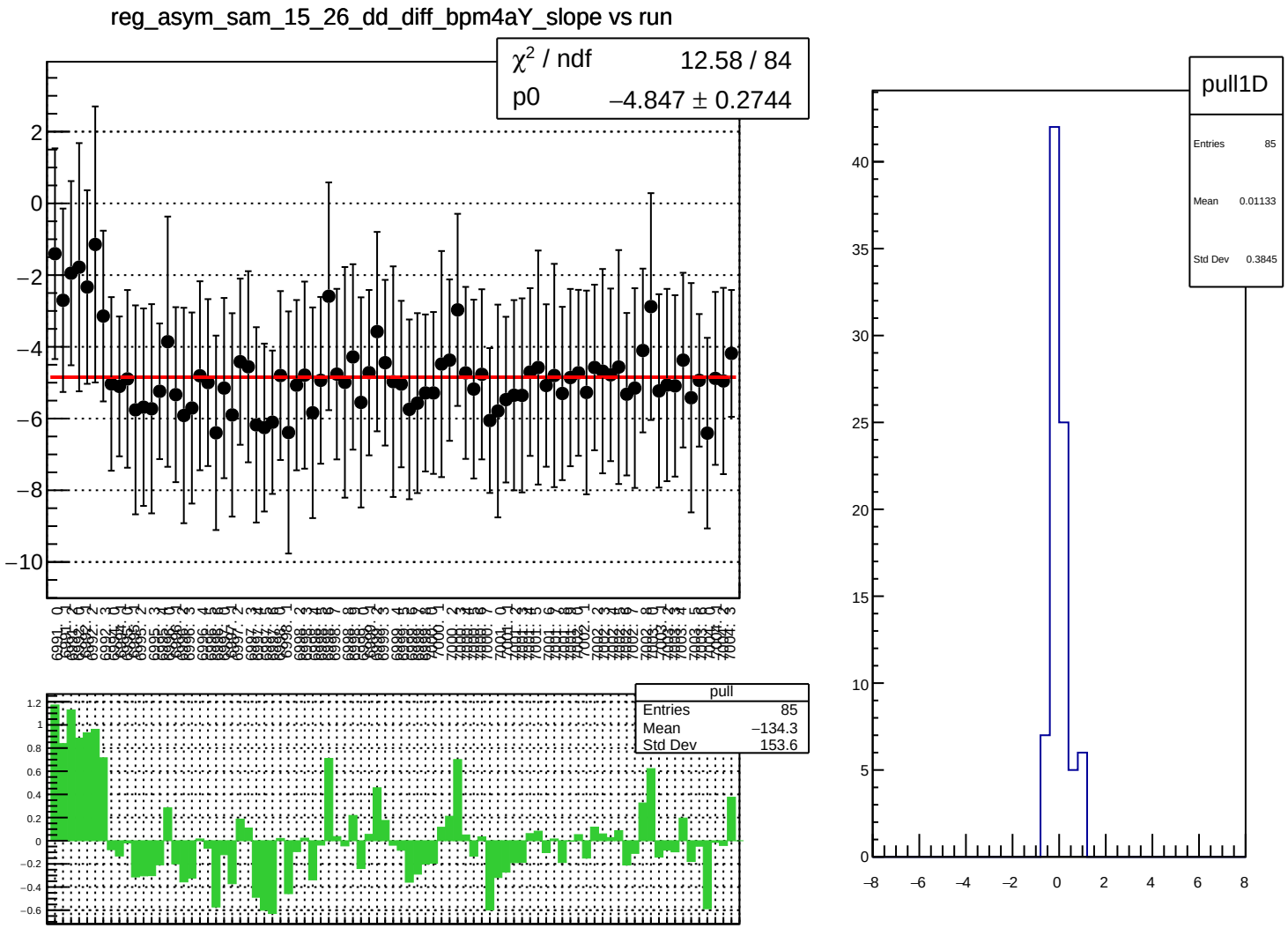

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.19 / 84
p0 10.05 ± 0.3912
pull
Entries 85
Mean −174.3
Std Dev 276.2
pull1D
Entries 85
Mean 0.002003
Std Dev 0.3104

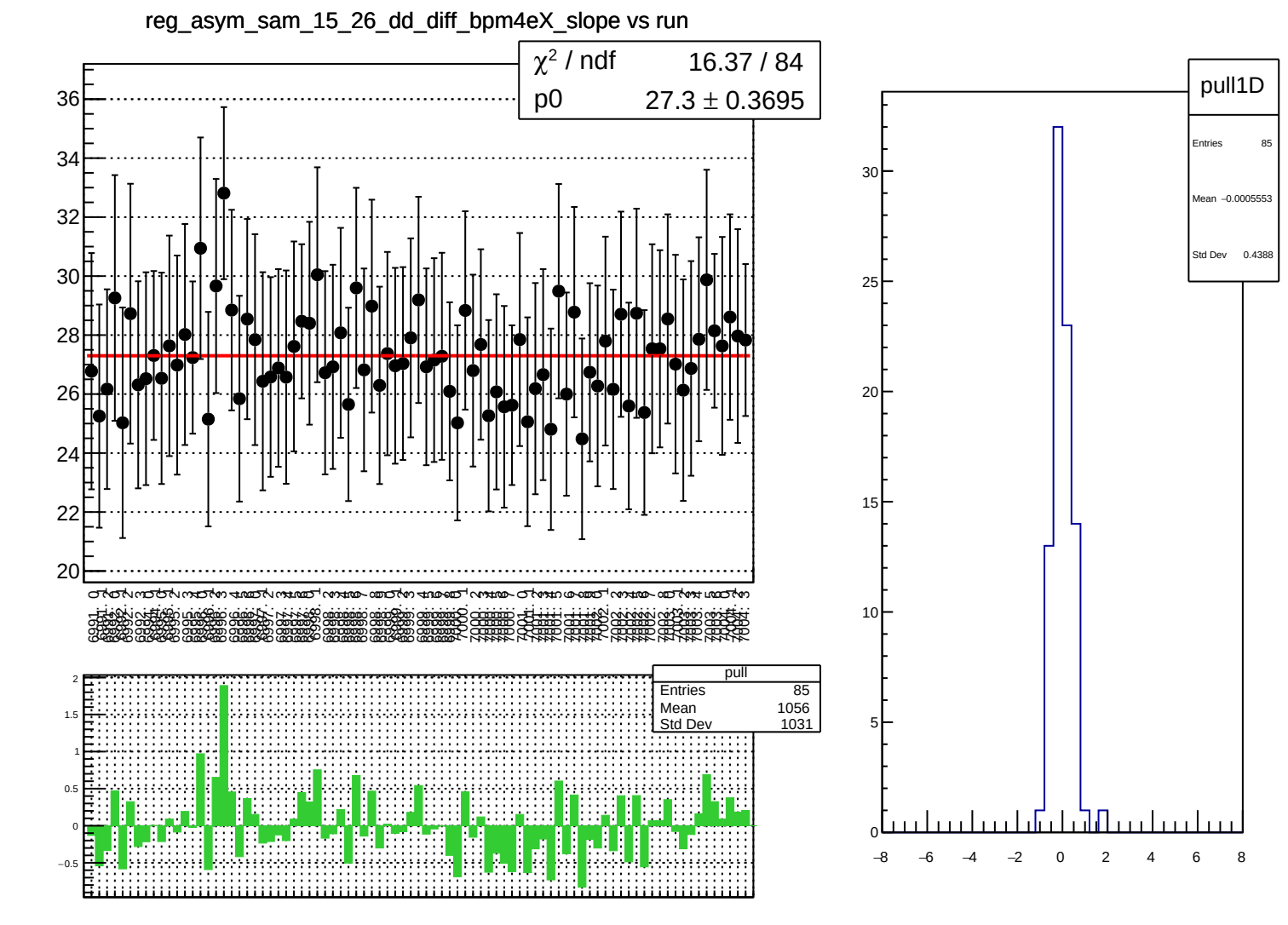

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.21 / 84
p0 −61.68 ± 0.3072
pull
Entries 85
Mean −3906
Std Dev 3923
pull1D
Entries 85
Mean 0.0005944
Std Dev 0.5553

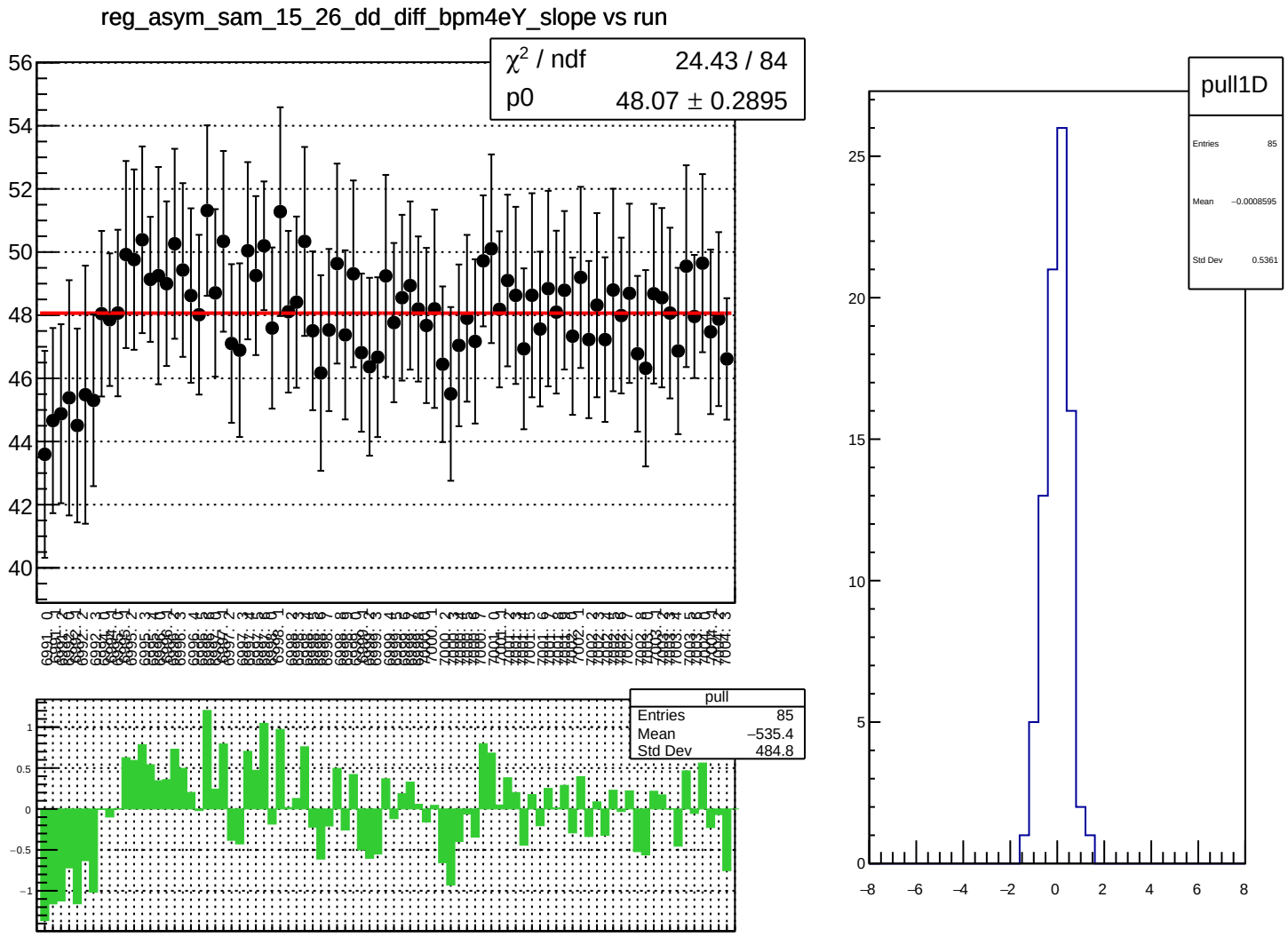

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.53 / 84
p0 0.1375 ± 0.01405
pull
Entries 85
Mean 45.62
Std Dev 142.8
pull1D
Entries 85
Mean 0.01136
Std Dev 0.4792

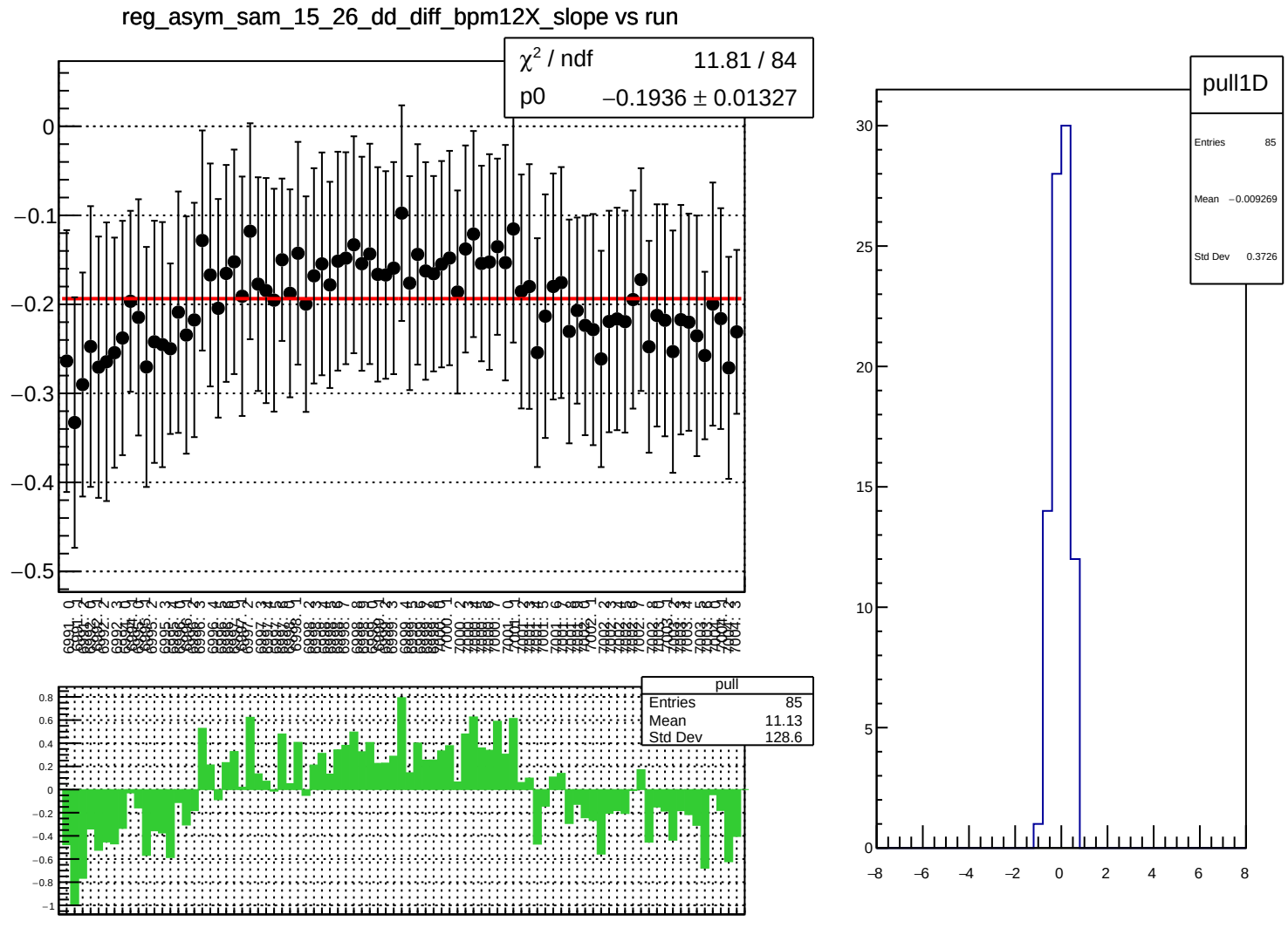

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.94 / 84
p0 3.351 ± 0.4001
pull
Entries 85
Mean −162.3
Std Dev 200

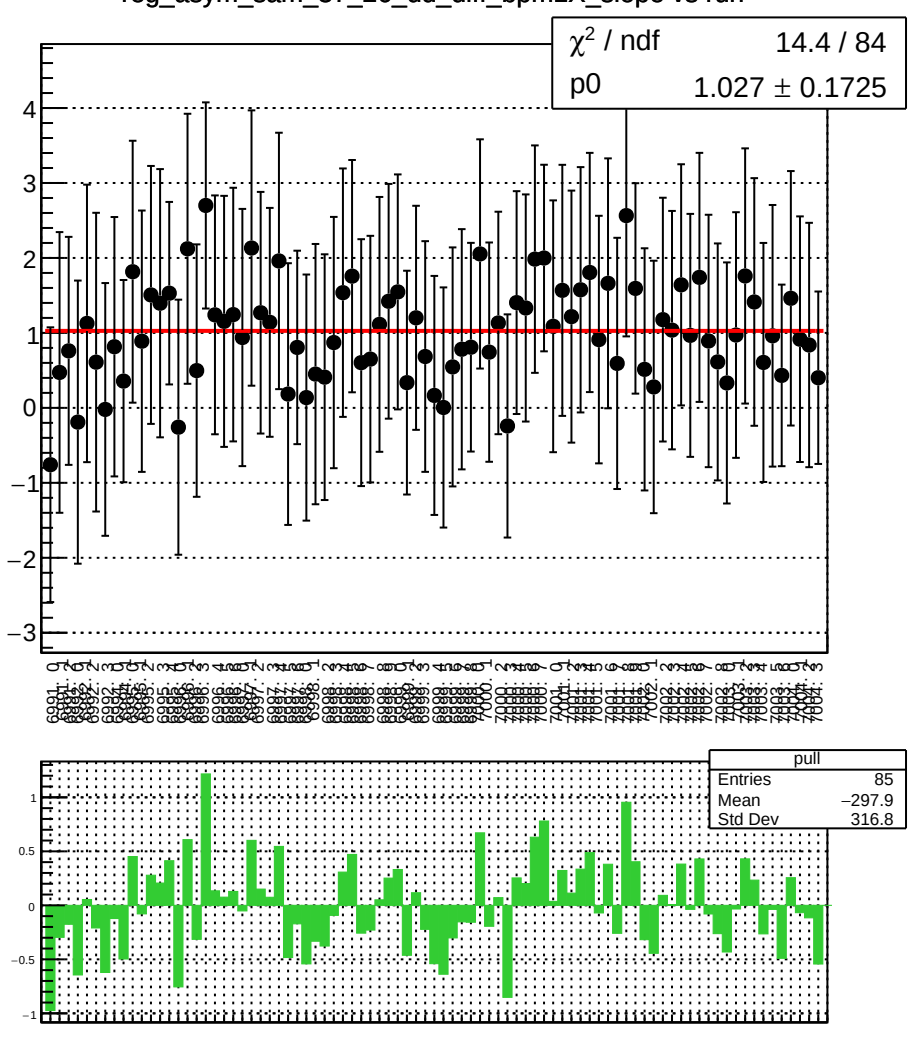

pull1D
Entries 85
Mean 0.007138
Std Dev 0.3748

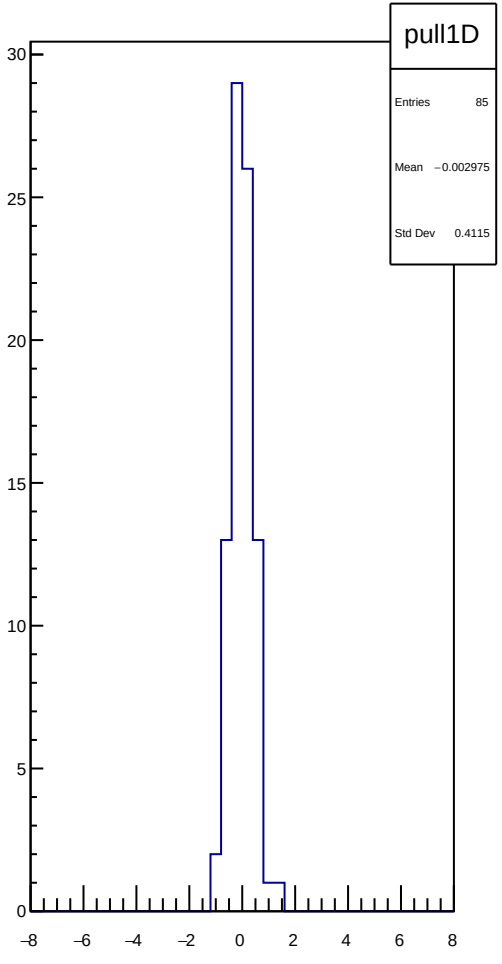

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.58 / 84
p0 −4.847 ± 0.2744
pull
Entries 85
Mean −134.3
Std Dev 153.6
pull1D
Entries 85
Mean 0.01133
Std Dev 0.3845

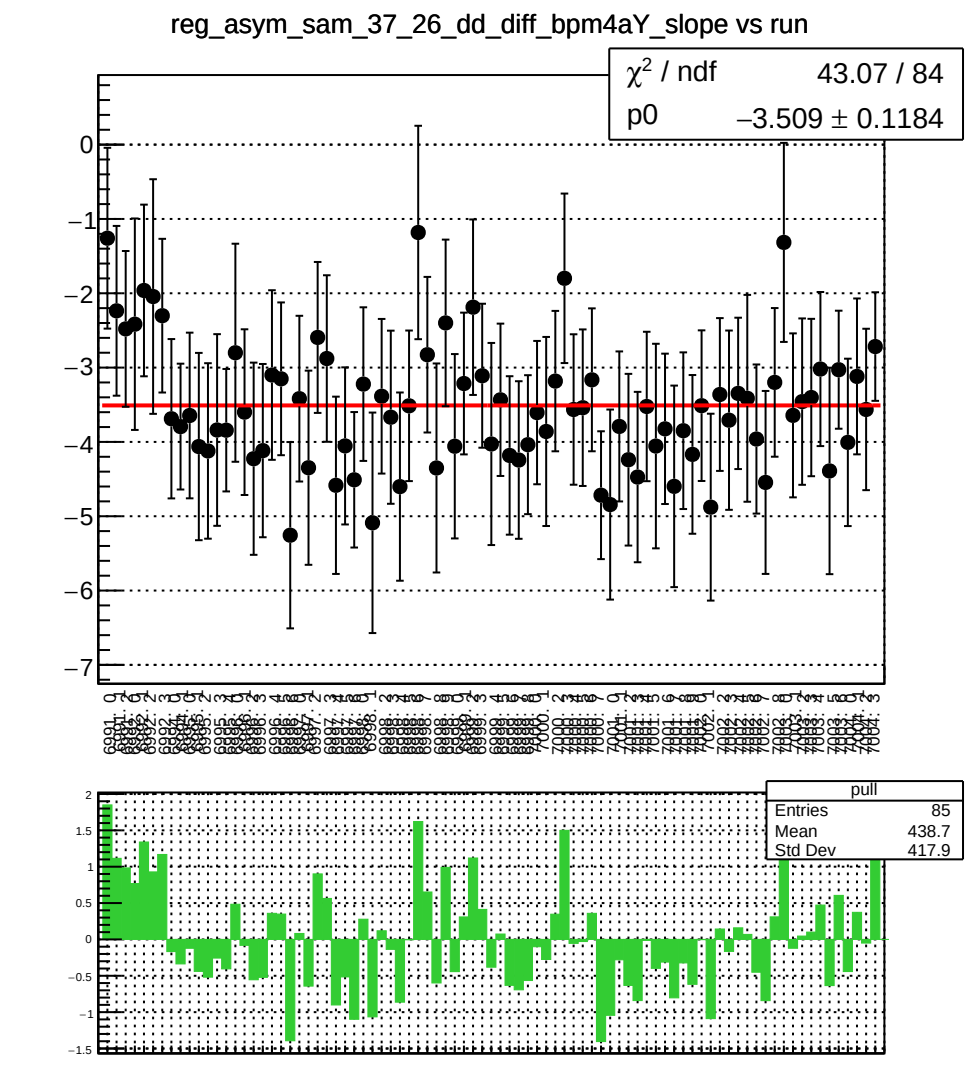

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 16.37 / 84
p0 27.3 ± 0.3695
pull
Entries 85
Mean 1056
Std Dev 1031
pull1D
Entries 85
Mean −0.0005553
Std Dev 0.4388

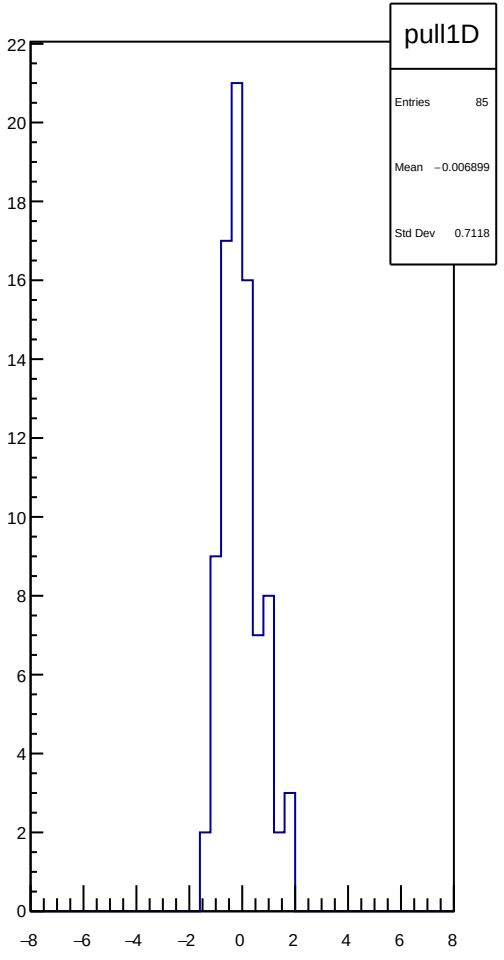

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.43 / 84
p0 48.07 ± 0.2895
pull
Entries 85
Mean −535.4
Std Dev 484.8
pull1D
Entries 85
Mean −0.0008595
Std Dev 0.5361

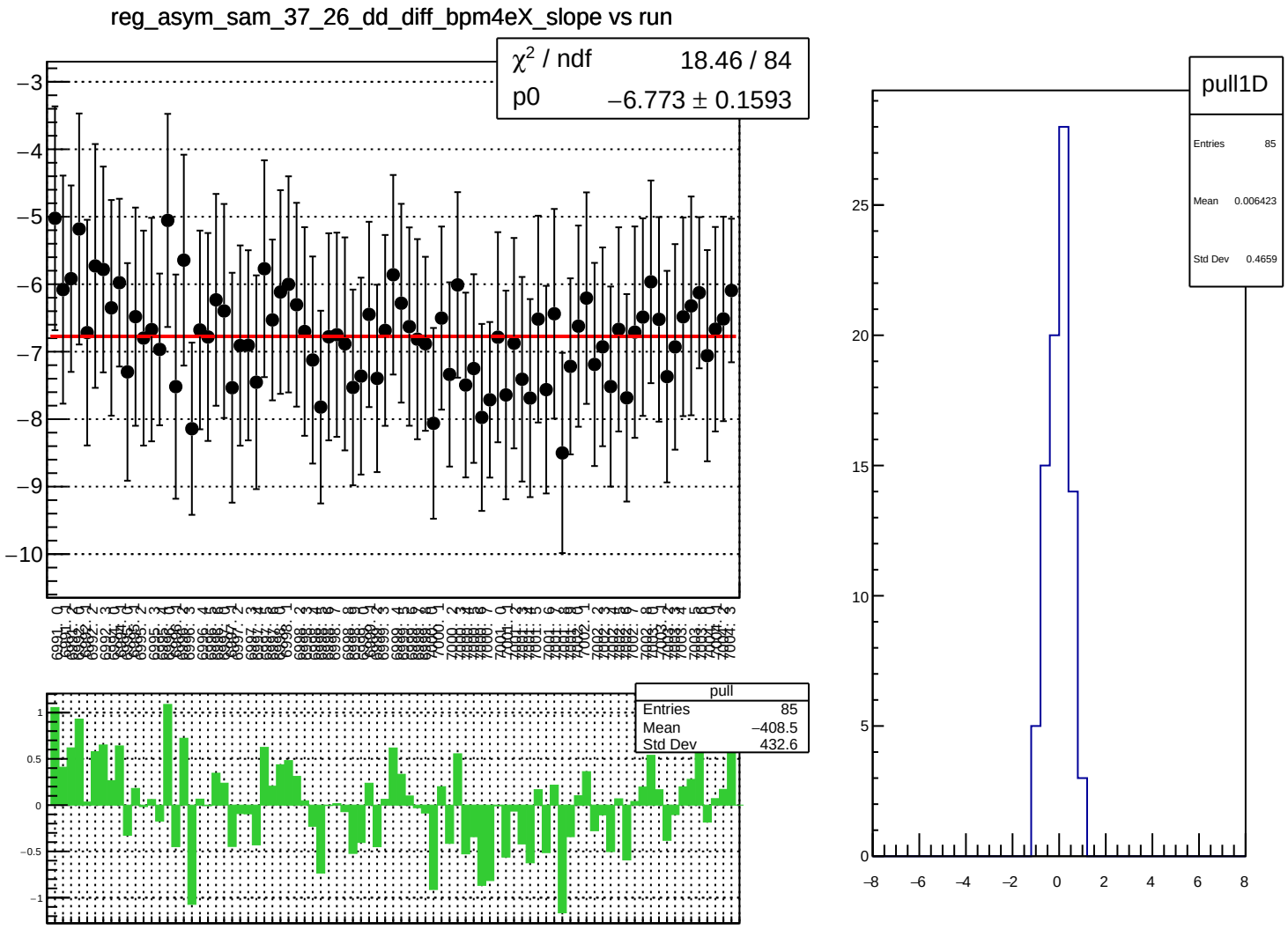

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 11.81 / 84
p0 −0.1936 ± 0.01327
pull
Entries 85
Mean 11.13
Std Dev 128.6
pull1D
Entries 85
Mean −0.009269
Std Dev 0.3726

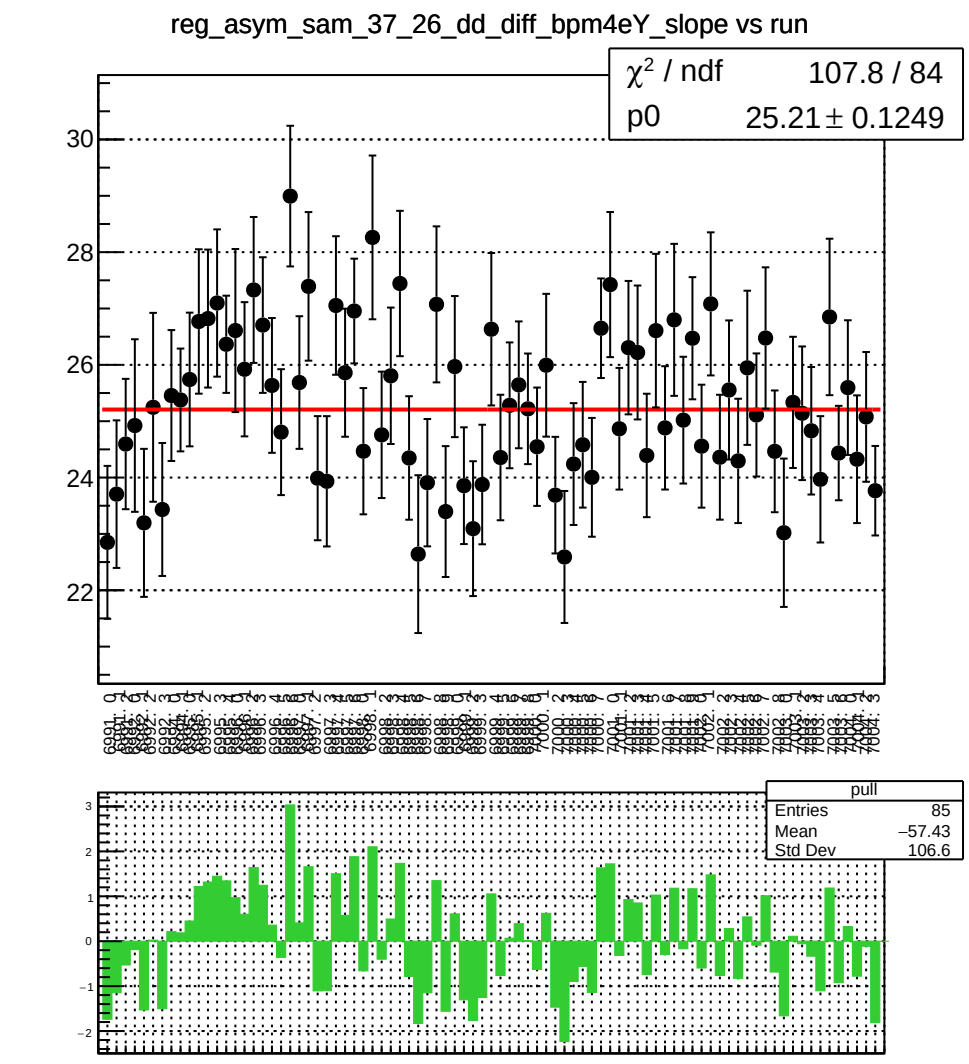

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 14.4 / 84
p0 1.027 ± 0.1725
pull
Entries 85
Mean −297.9
Std Dev 316.8

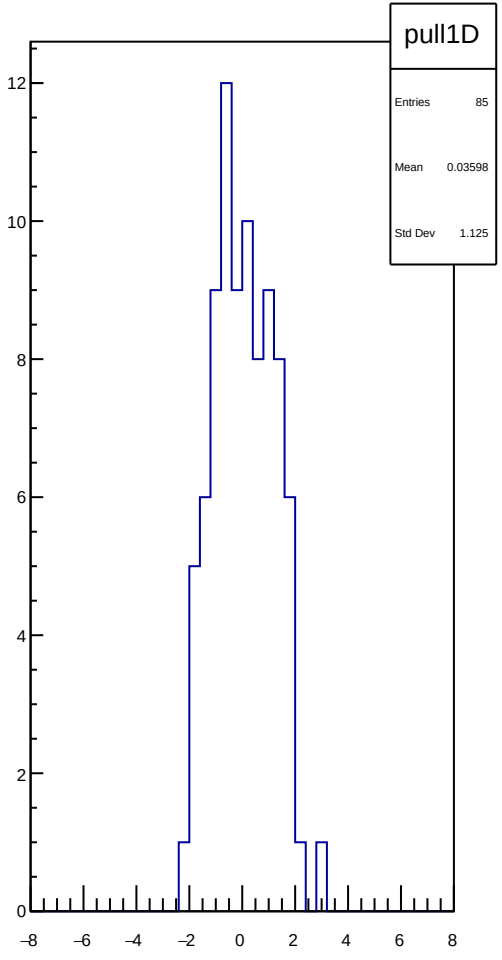

pull1D
Entries 85
Mean −0.002975
Std Dev 0.4115

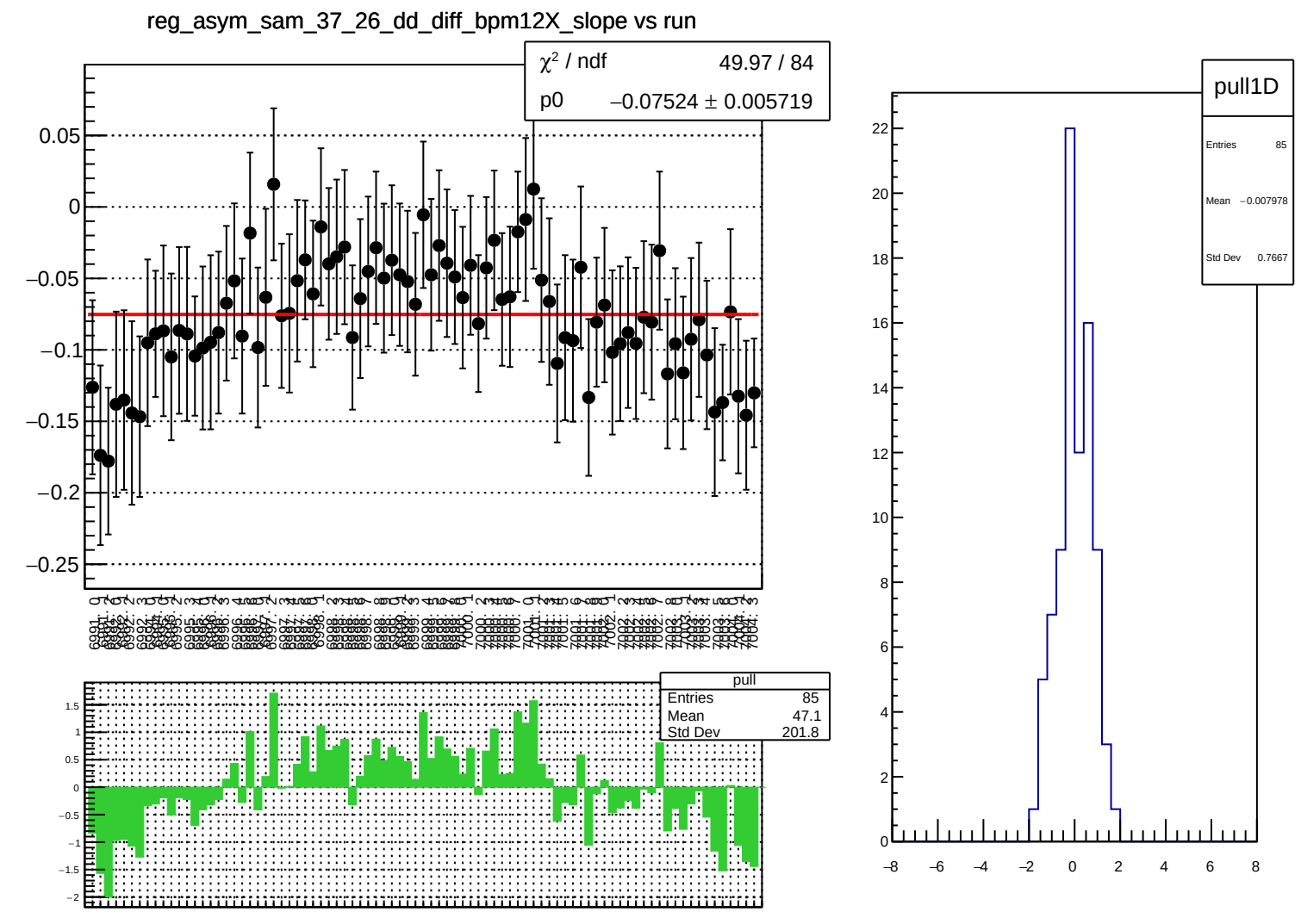

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.07 / 84
p0 −3.509 ± 0.1184
pull
Entries 85
Mean 438.7
Std Dev 417.9

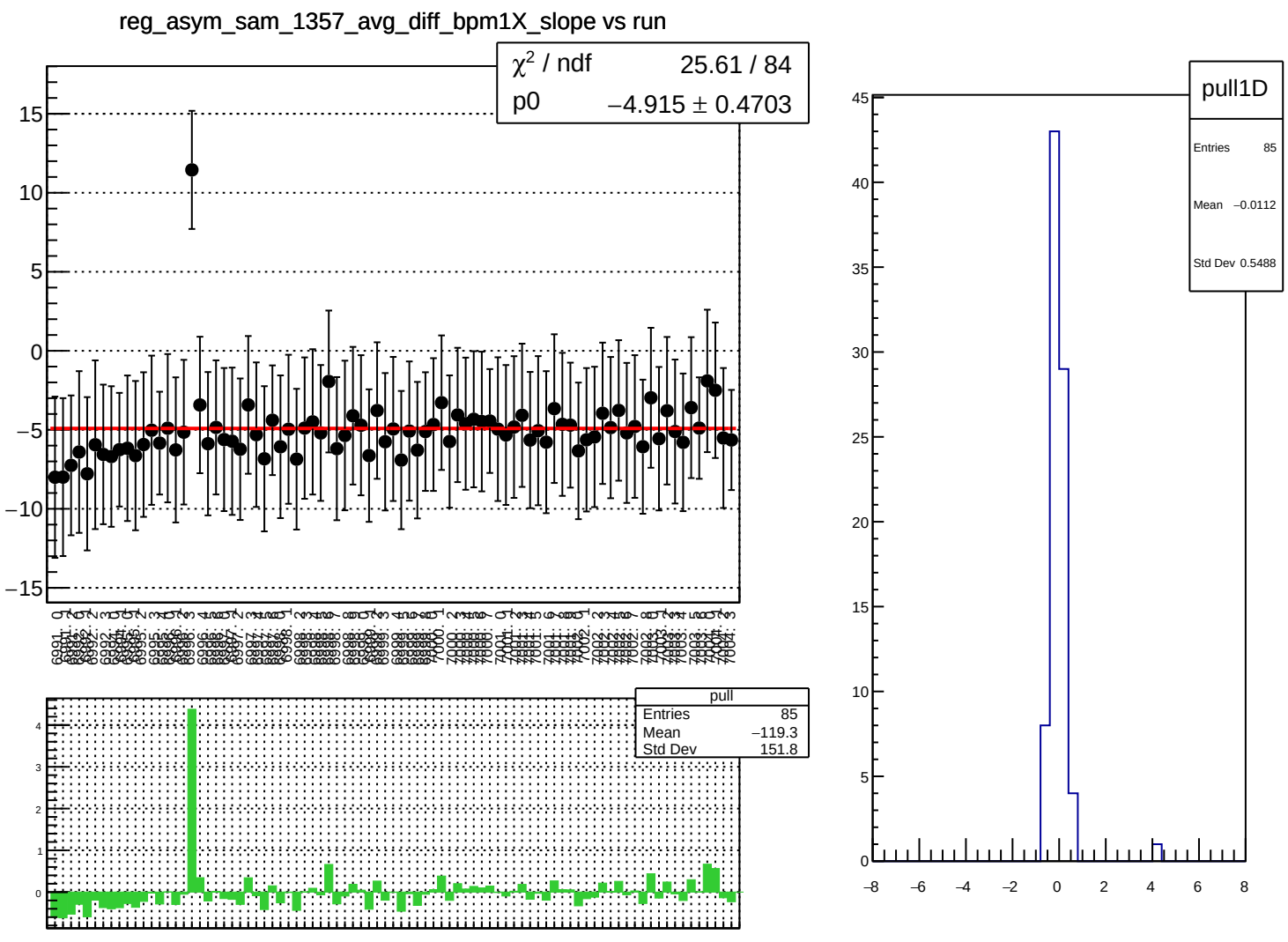

pull1D
Entries 85
Mean −0.006899
Std Dev 0.7118

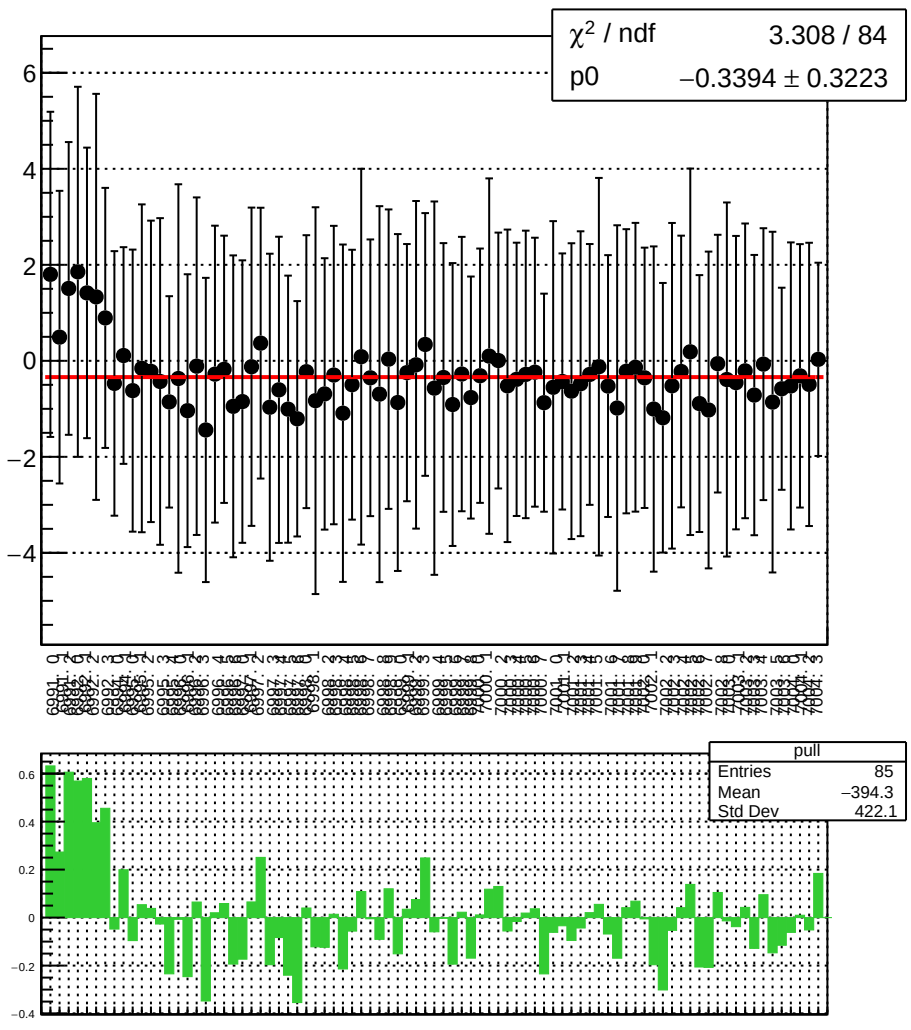

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.46 / 84
p0 −6.773 ± 0.1593
pull
Entries 85
Mean −408.5
Std Dev 432.6
pull1D
Entries 85
Mean 0.006423
Std Dev 0.4659

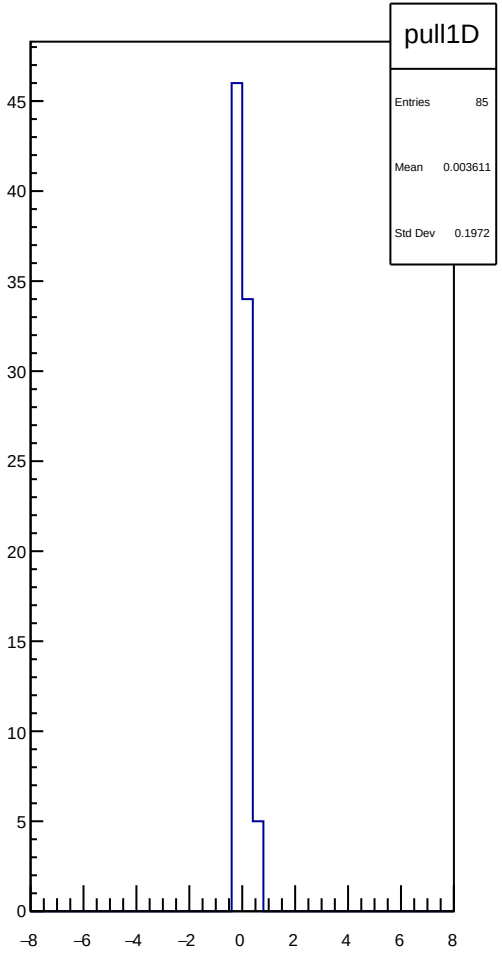

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 107.8 / 84
p0 25.21 ± 0.1249
30
28
26
24
22
pull
Entries 85
Mean −57.43
Std Dev 106.6
3
2
1
0
−1
−2

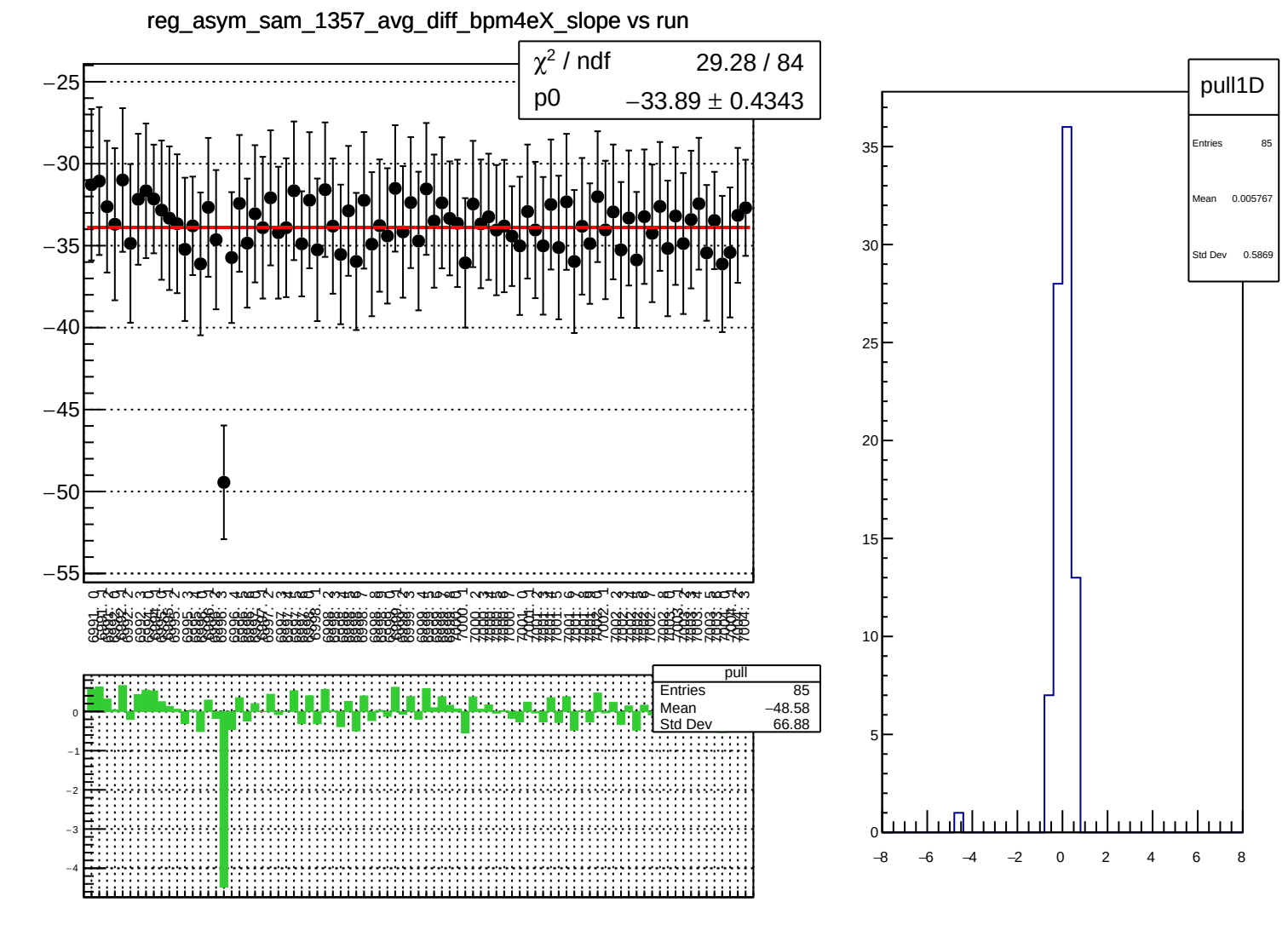

pull1D
Entries 85
Mean 0.03598
Std Dev 1.125
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

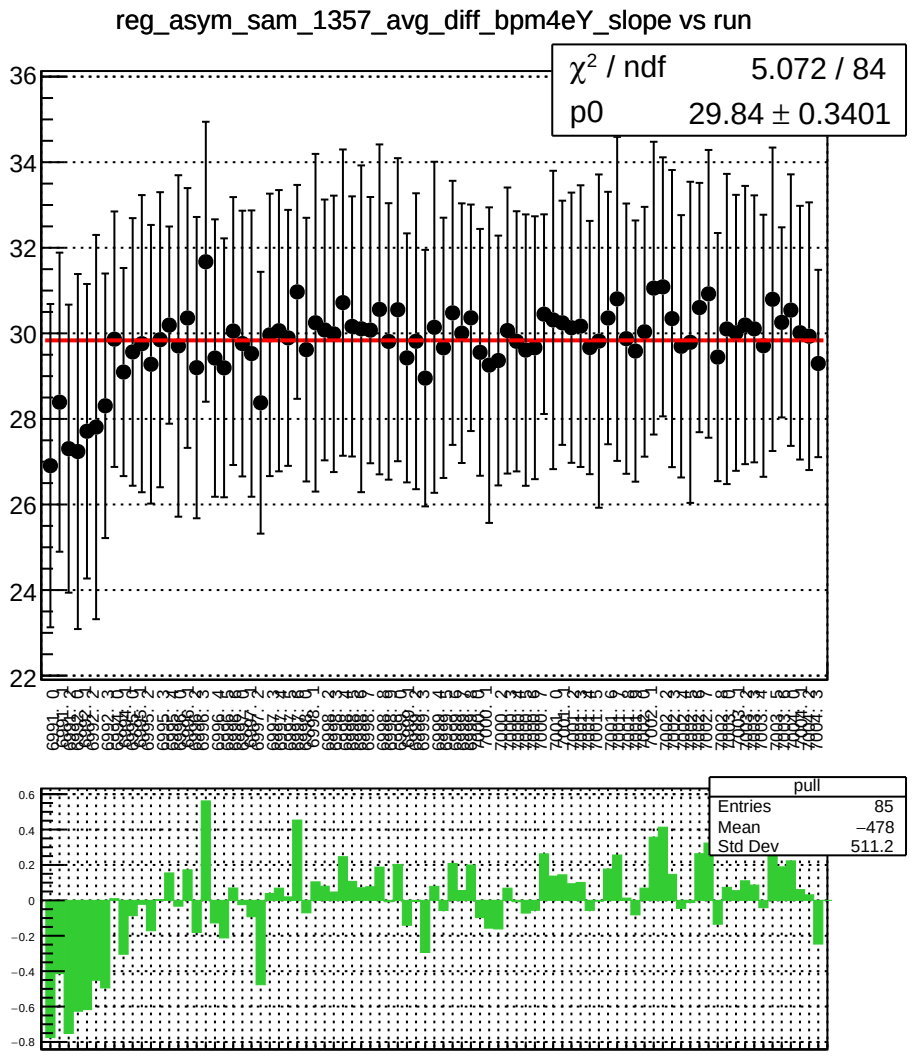

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 49.97 / 84
p0 −0.07524 ± 0.005719
pull
Entries 85
Mean 47.1
Std Dev 201.8
pull1D
Entries 85
Mean −0.007978
Std Dev 0.7667

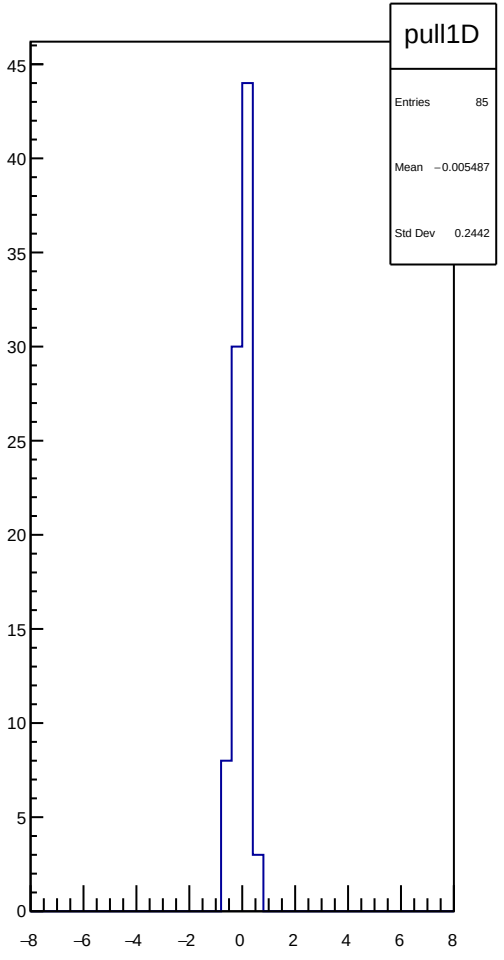

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 25.61 / 84
p0 −4.915 ± 0.4703
pull
Entries 85
Mean −119.3
Std Dev 151.8
pull1D
Entries 85
Mean −0.0112
Std Dev 0.5488

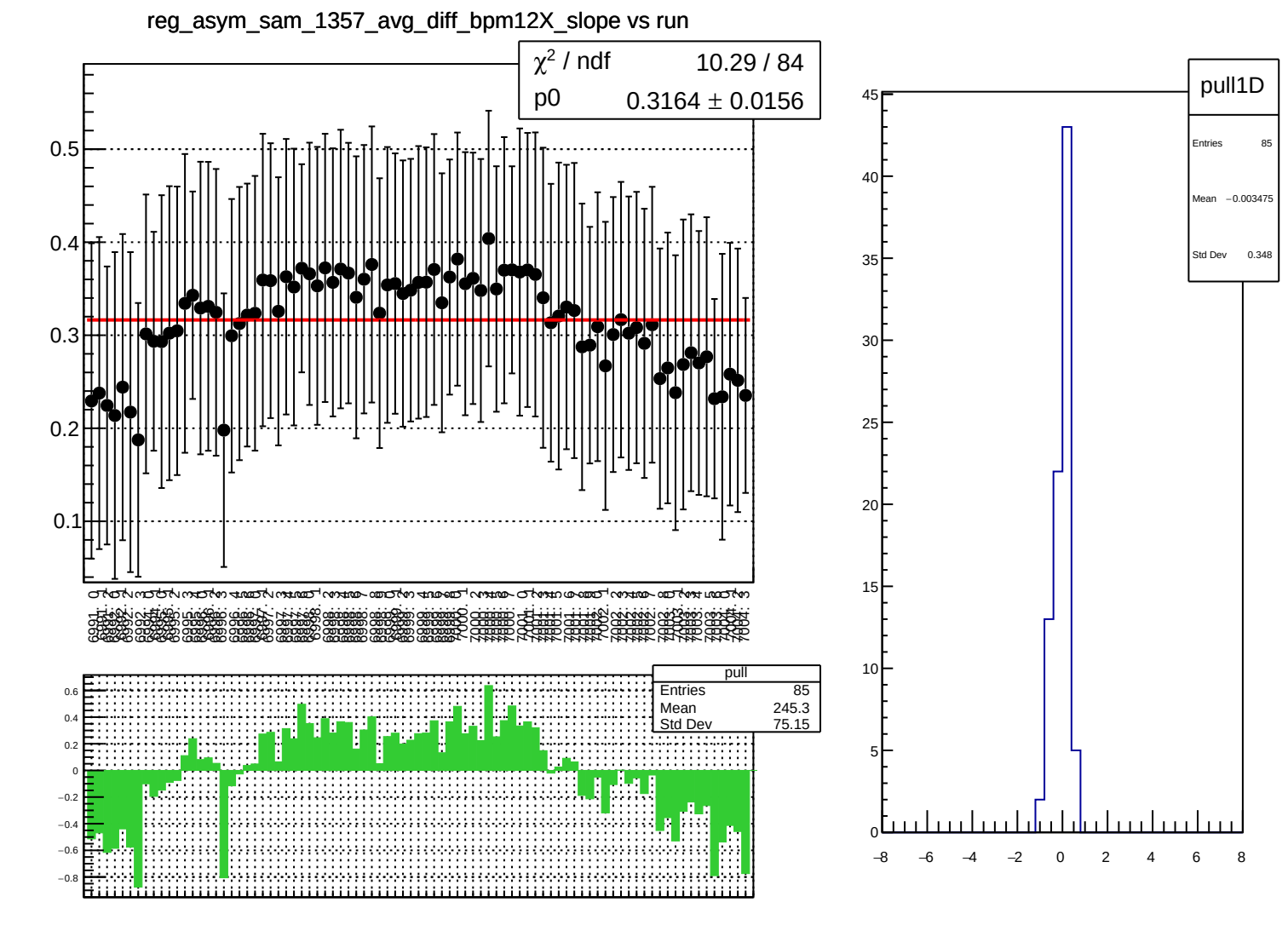

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.308 / 84
p0 −0.3394 ± 0.3223
pull
Entries 85
Mean −394.3
Std Dev 422.1

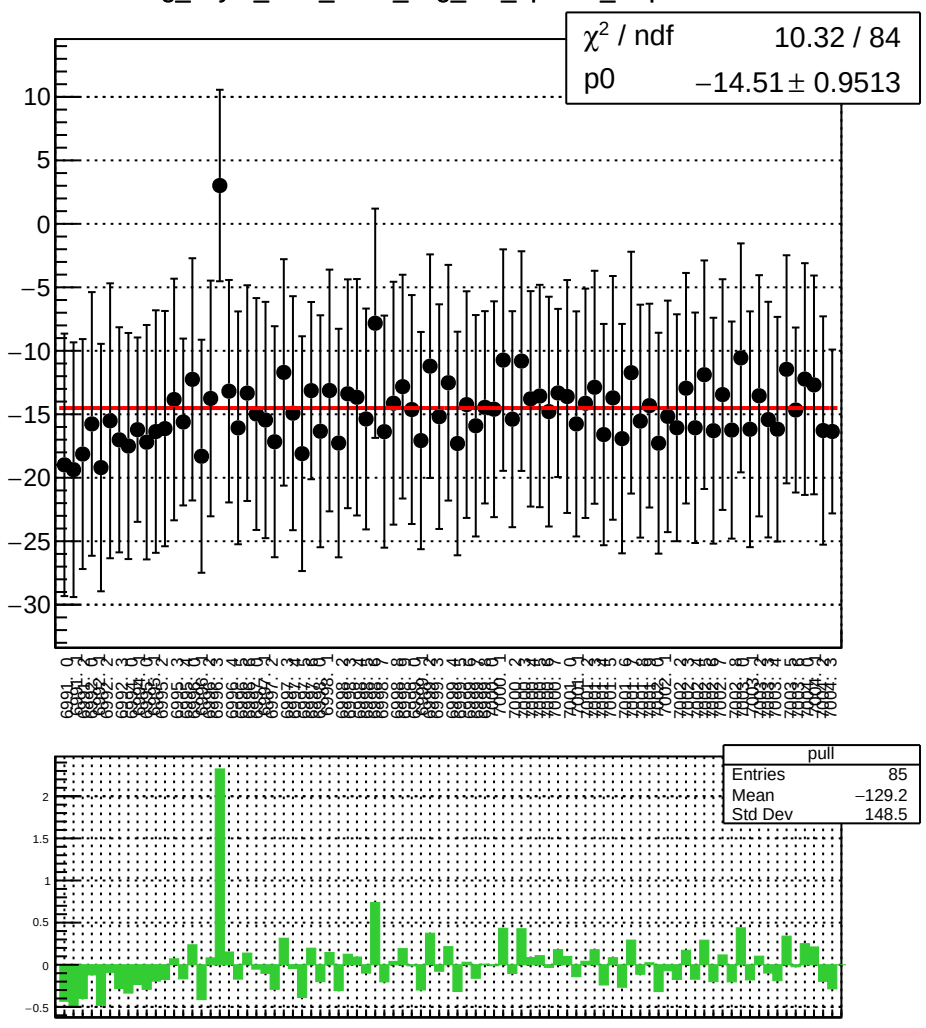

pull1D
Entries 85
Mean 0.003611
Std Dev 0.1972

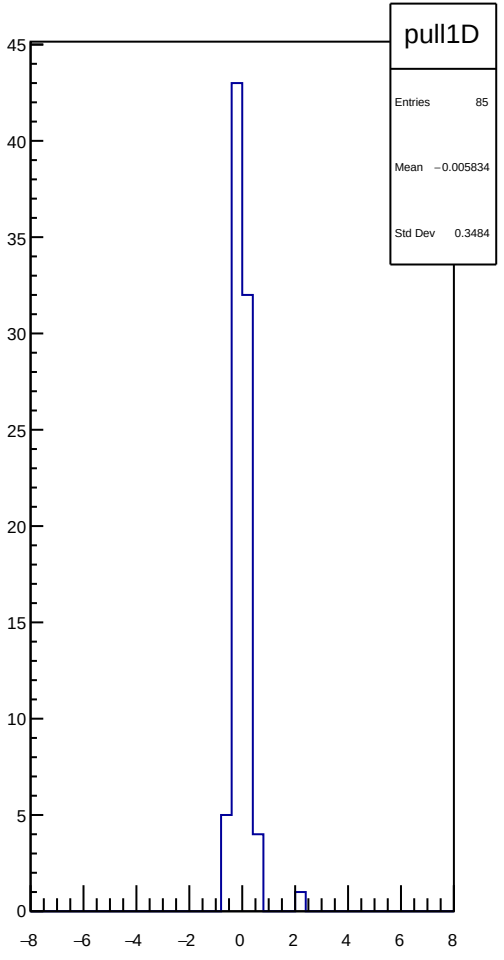

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.28 / 84
p0 −33.89 ± 0.4343
pull
Entries 85
Mean −48.58
Std Dev 66.88
pull1D
Entries 85
Mean 0.005767
Std Dev 0.5869

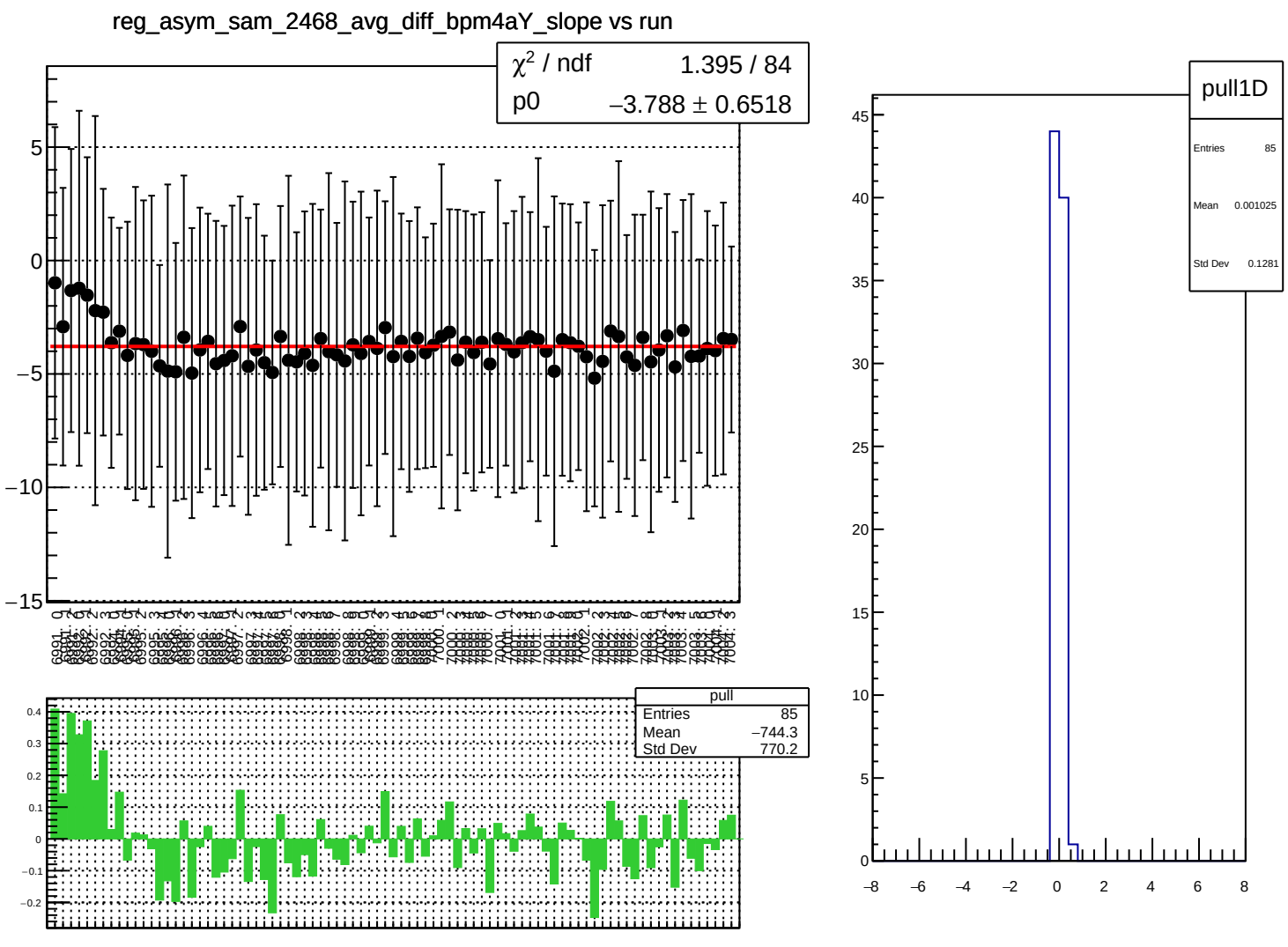

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.072 / 84
p0 29.84 ± 0.3401
pull
Entries 85
Mean −478
Std Dev 511.2

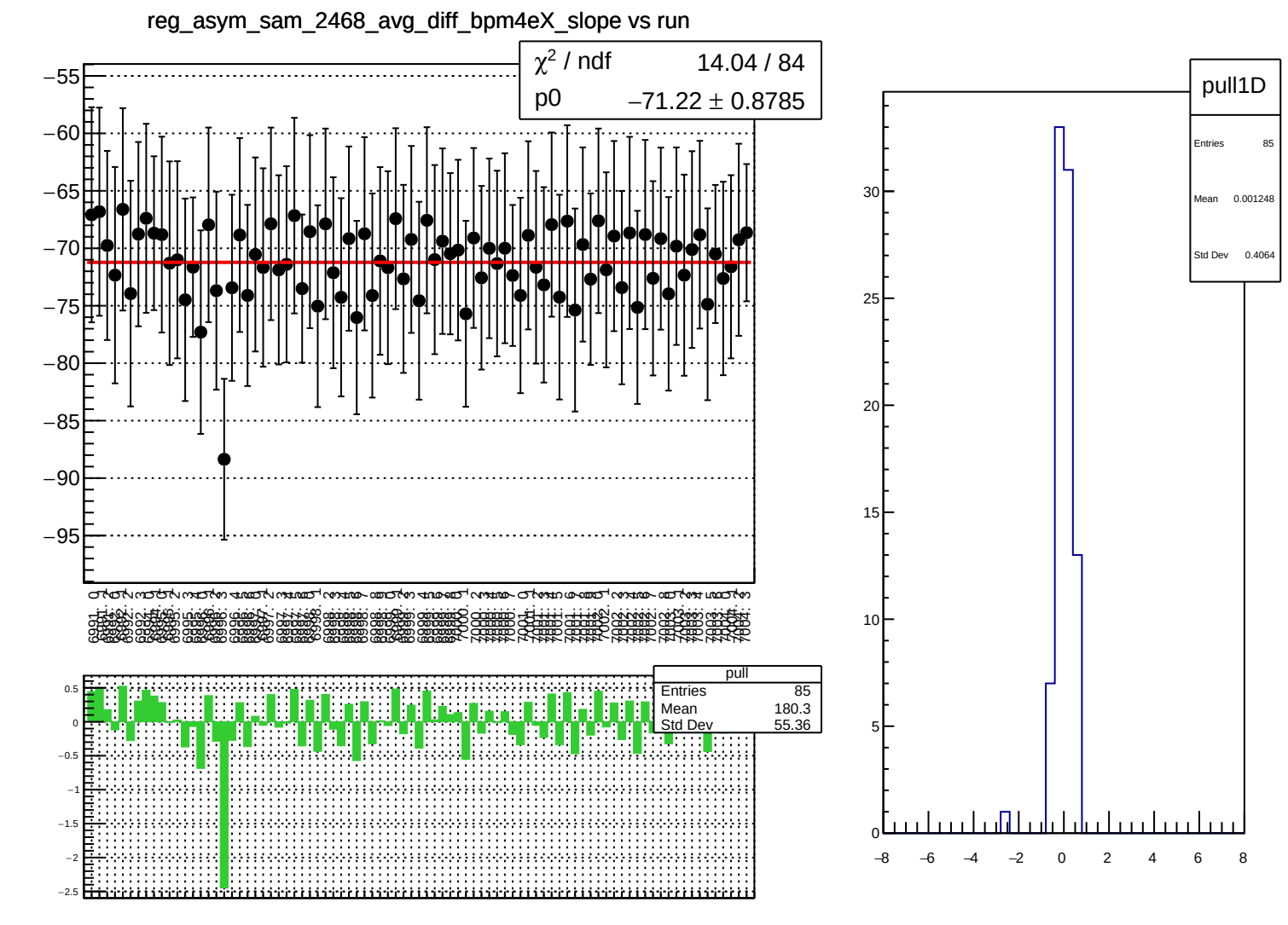

pull1D
Entries 85
Mean −0.005487
Std Dev 0.2442

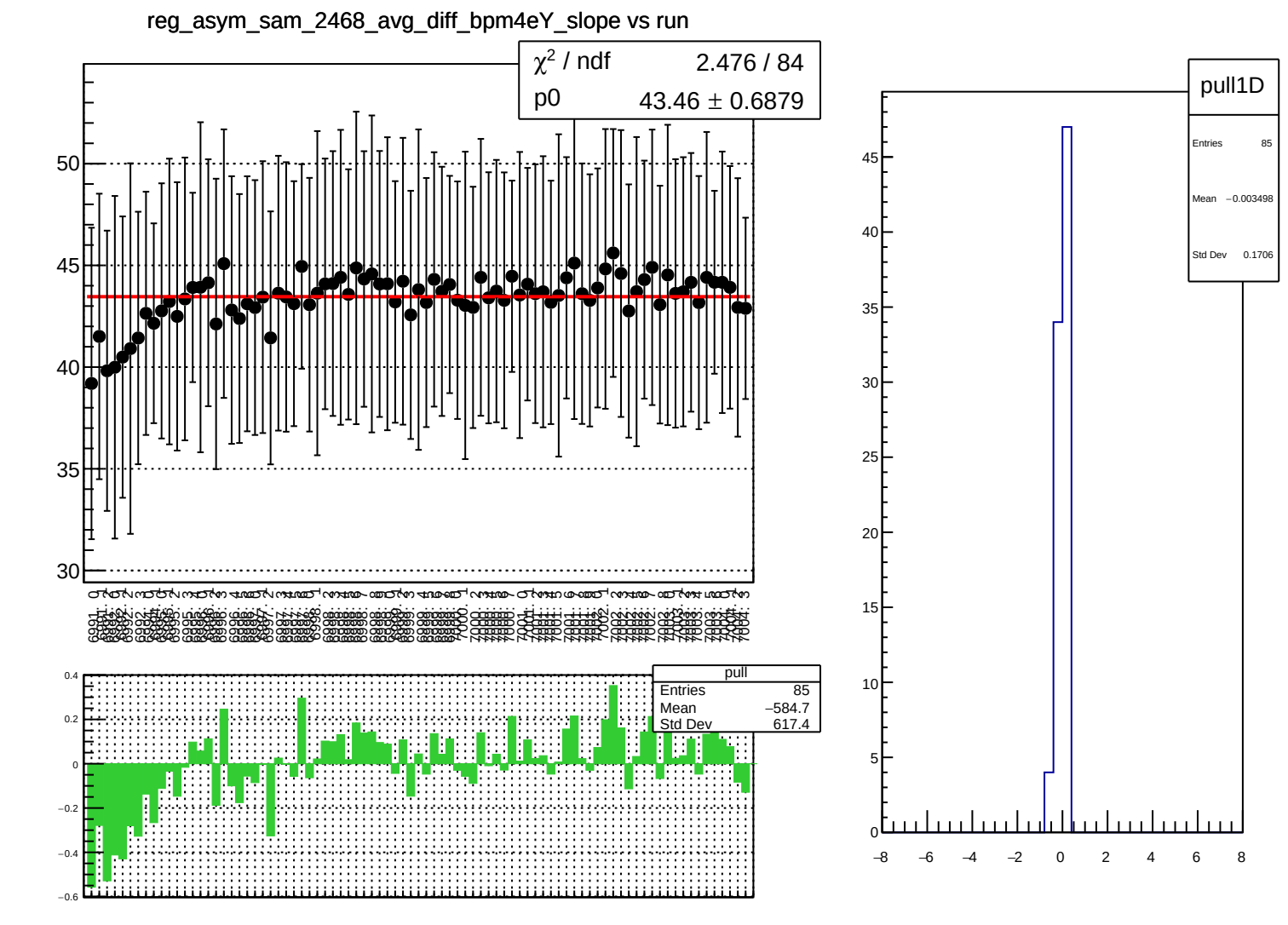

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 10.29 / 84
p0 0.3164 ± 0.0156
pull
Entries 85
Mean 245.3
Std Dev 75.15
pull1D
Entries 85
Mean −0.003475
Std Dev 0.348

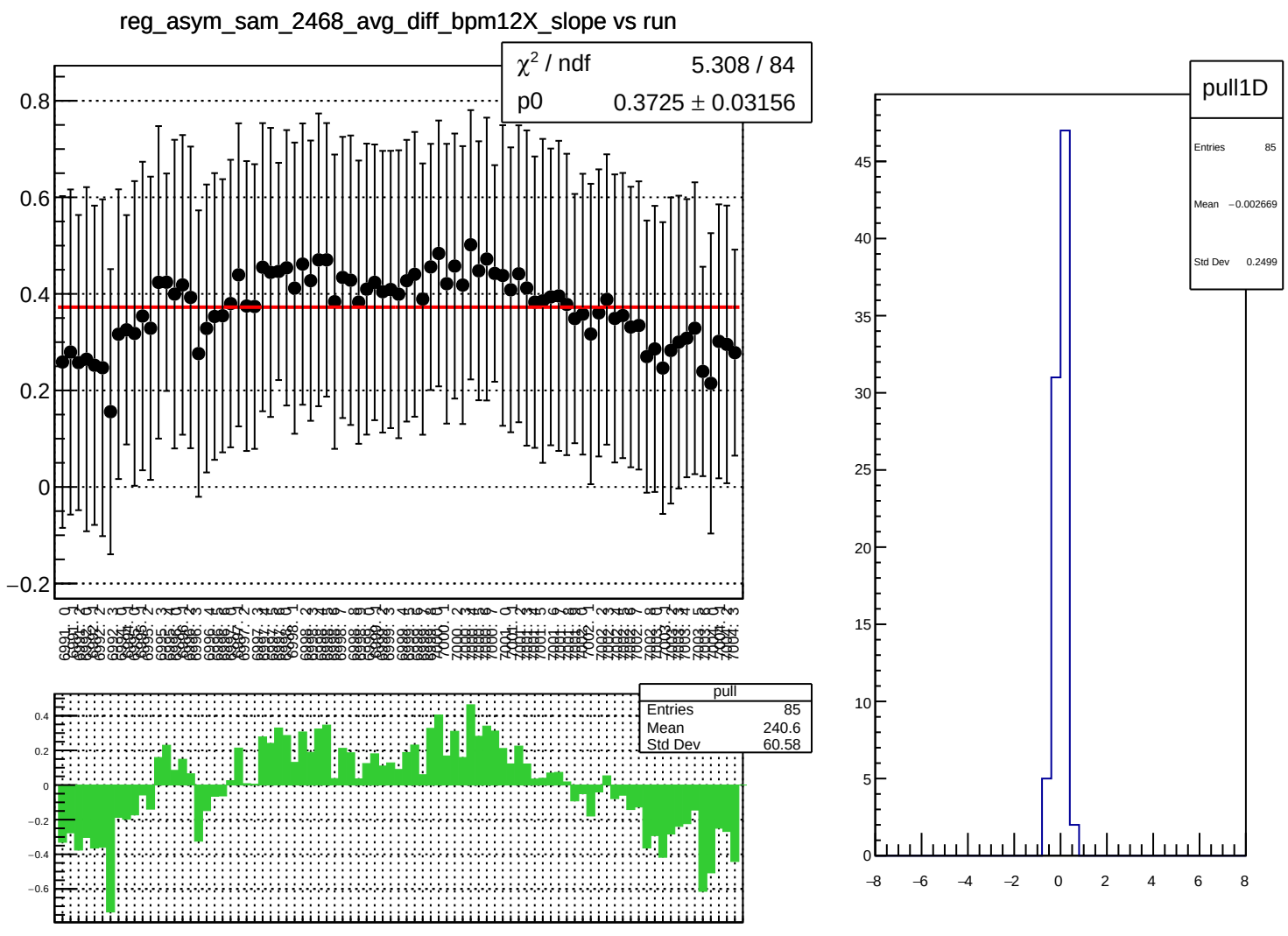

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 10.32 / 84
p0 −14.51 ± 0.9513
pull
Entries 85
Mean −129.2
Std Dev 148.5

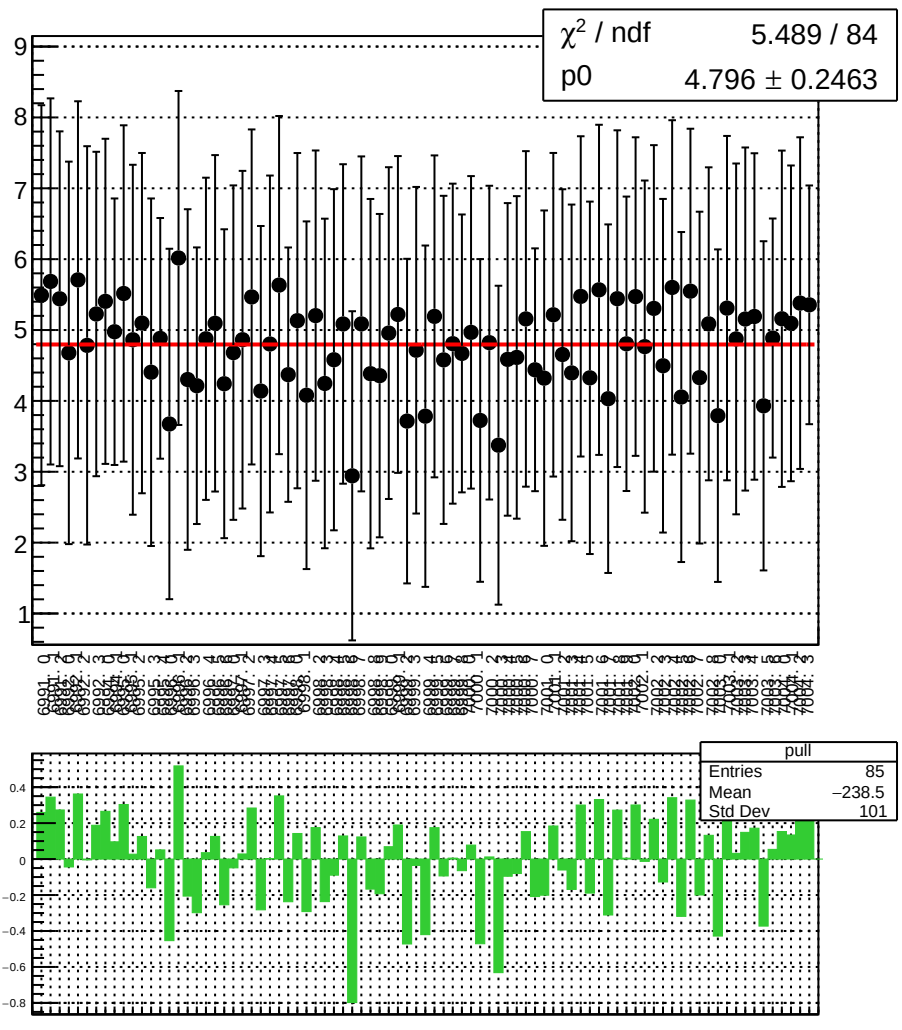

pull1D
Entries 85
Mean −0.005834
Std Dev 0.3484

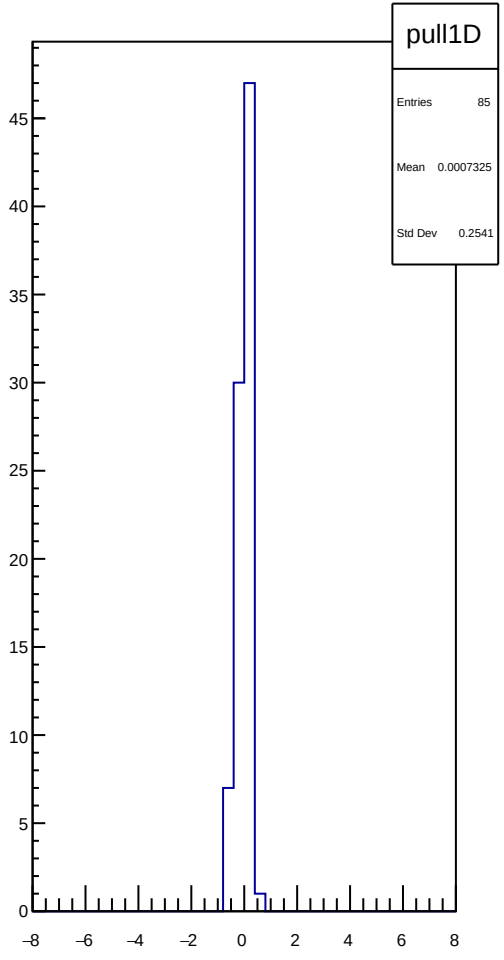

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.395 / 84
p0 −3.788 ± 0.6518
pull
Entries 85
Mean −744.3
Std Dev 770.2
pull1D
Entries 85
Mean 0.001025
Std Dev 0.1281

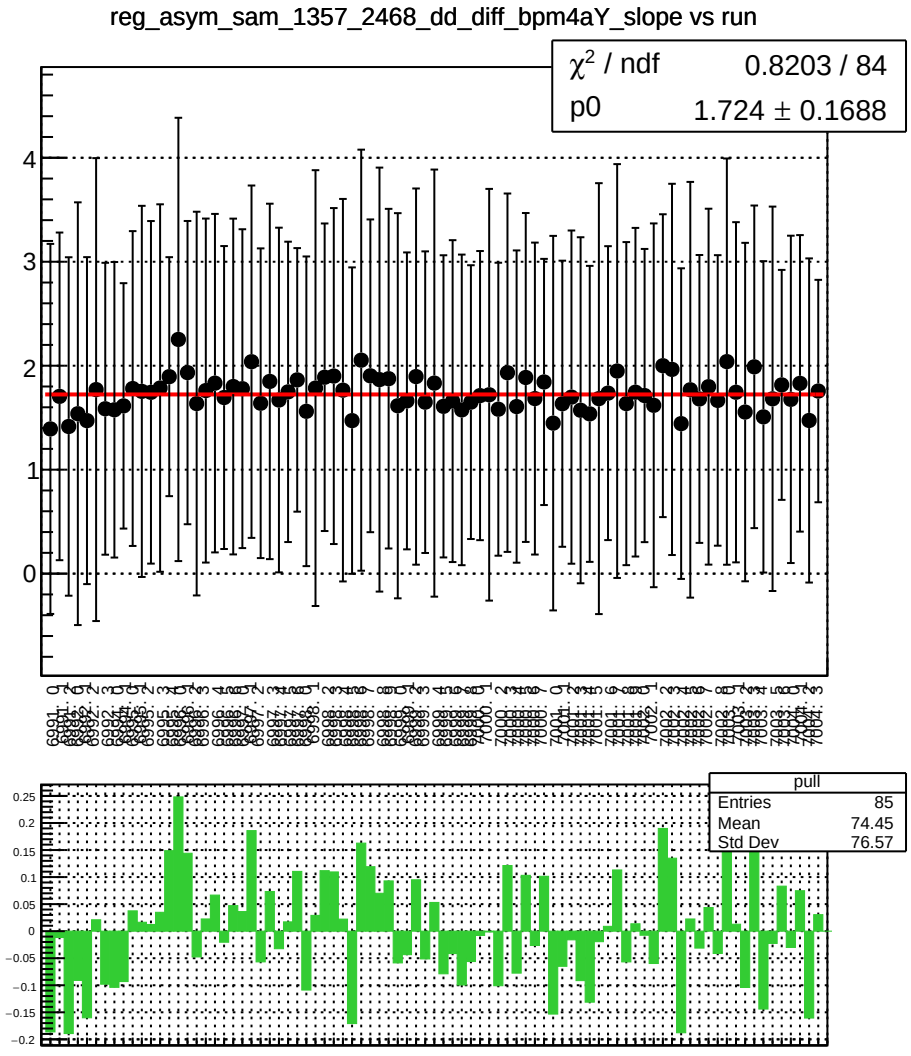

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.04 / 84
p0 −71.22 ± 0.8785
pull
Entries 85
Mean 180.3
Std Dev 55.36
pull1D
Entries 85
Mean 0.001248
Std Dev 0.4064

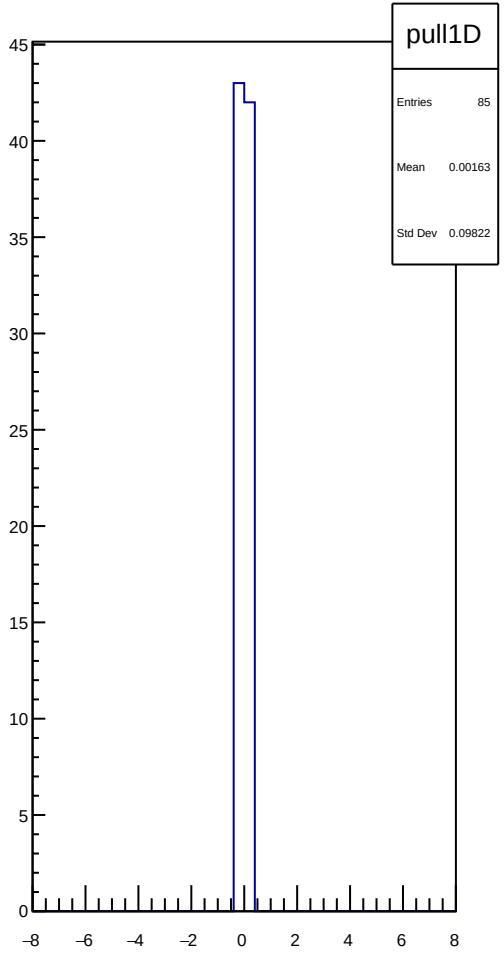

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.476 / 84
p0 43.46 ± 0.6879
pull
Entries 85
Mean −584.7
Std Dev 617.4
pull1D
Entries 85
Mean −0.003498
Std Dev 0.1706

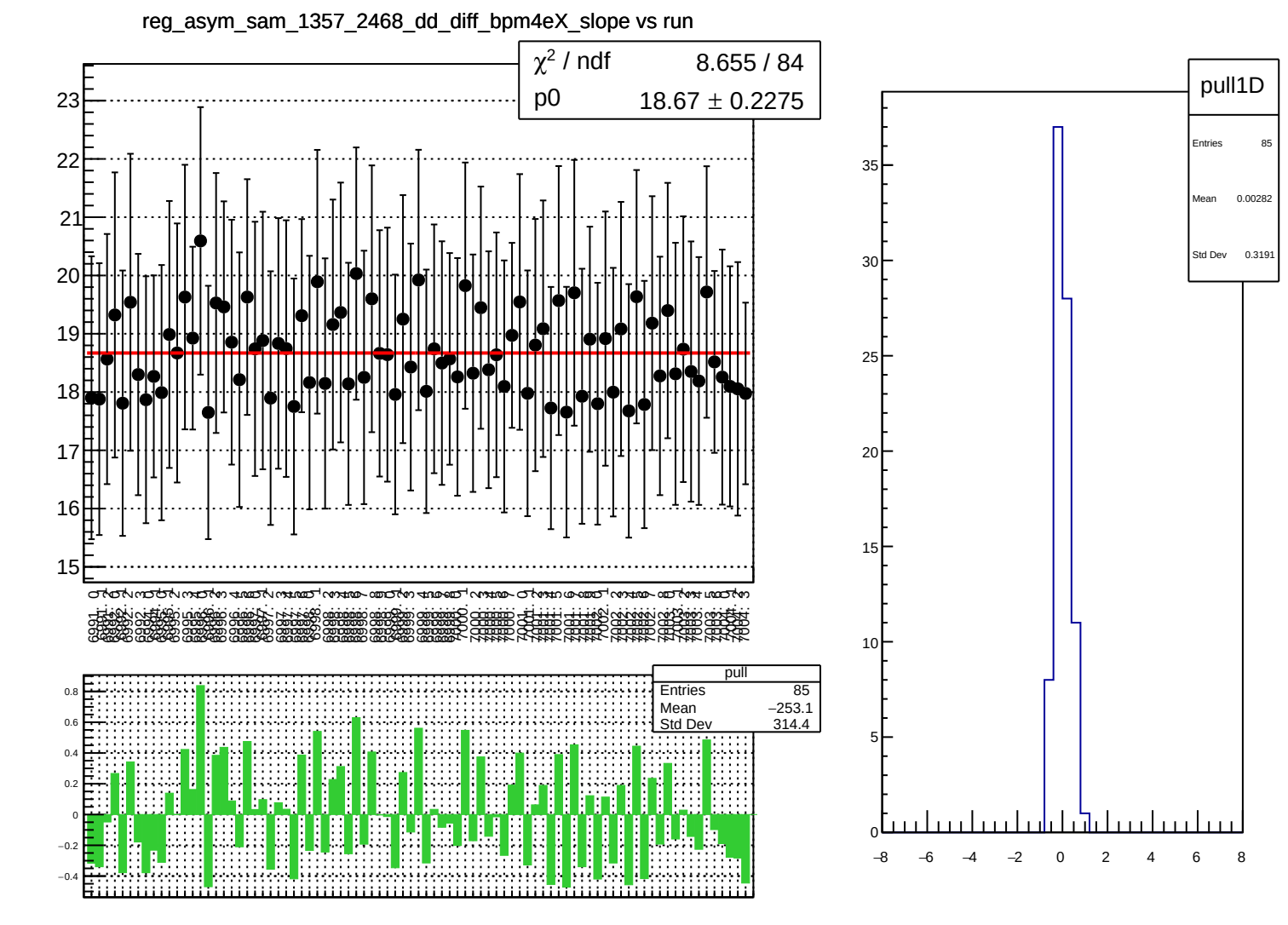

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 5.308 / 84
p0 0.3725 ± 0.03156
pull
Entries 85
Mean 240.6
Std Dev 60.58
pull1D
Entries 85
Mean −0.002669
Std Dev 0.2499

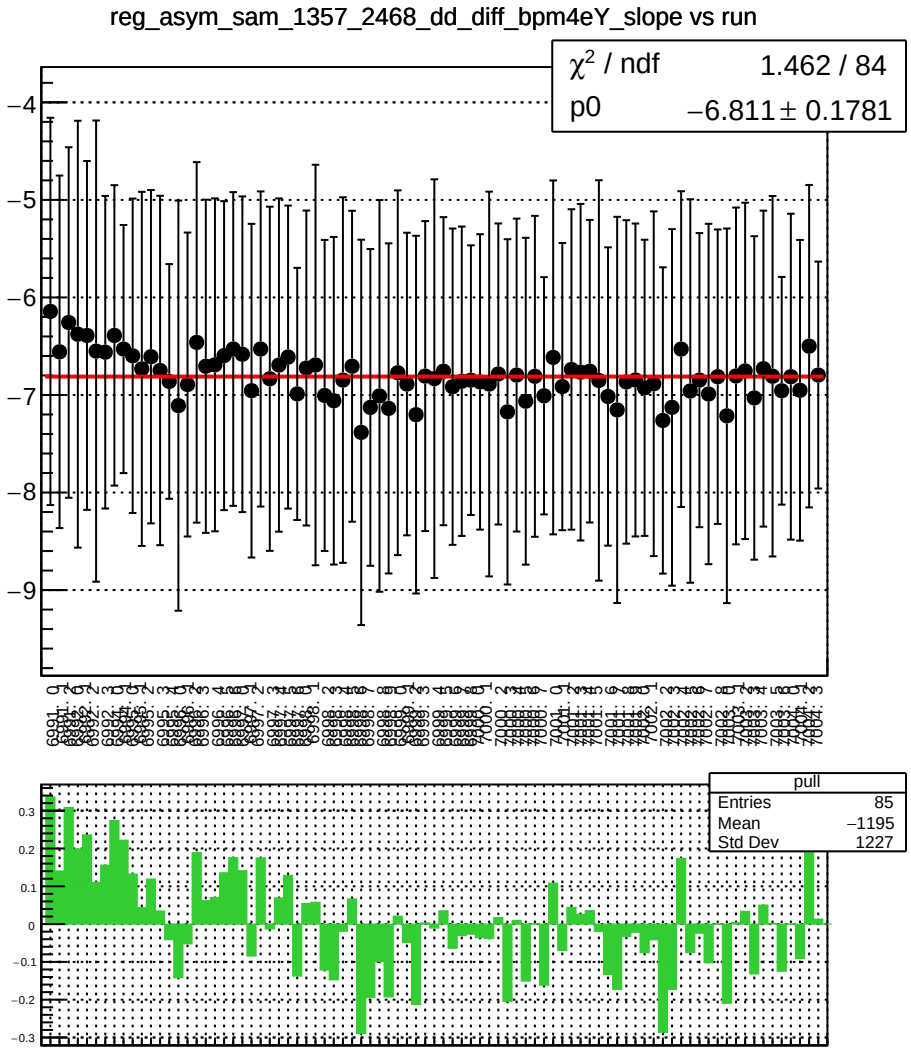

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 5.489 / 84
p0 4.796 ± 0.2463
pull
Entries 85
Mean −238.5
Std Dev 101

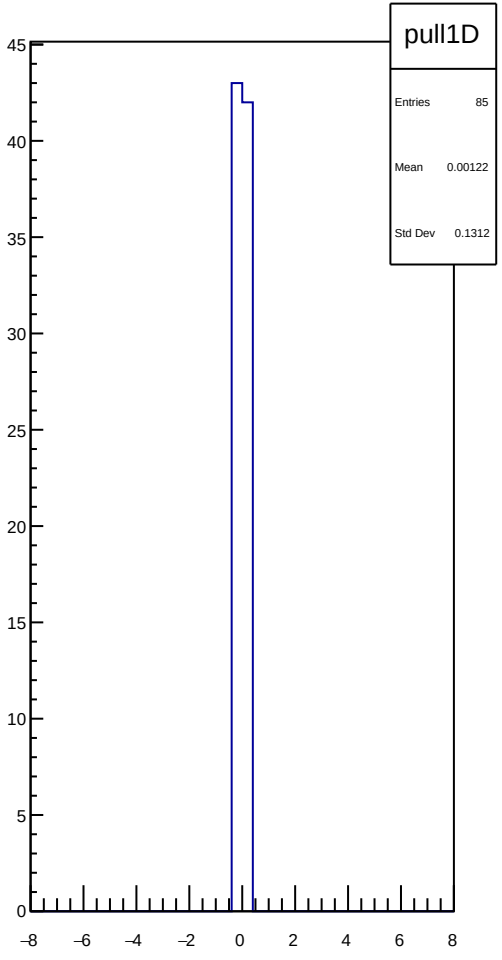

pull1D
Entries 85
Mean 0.0007325
Std Dev 0.2541

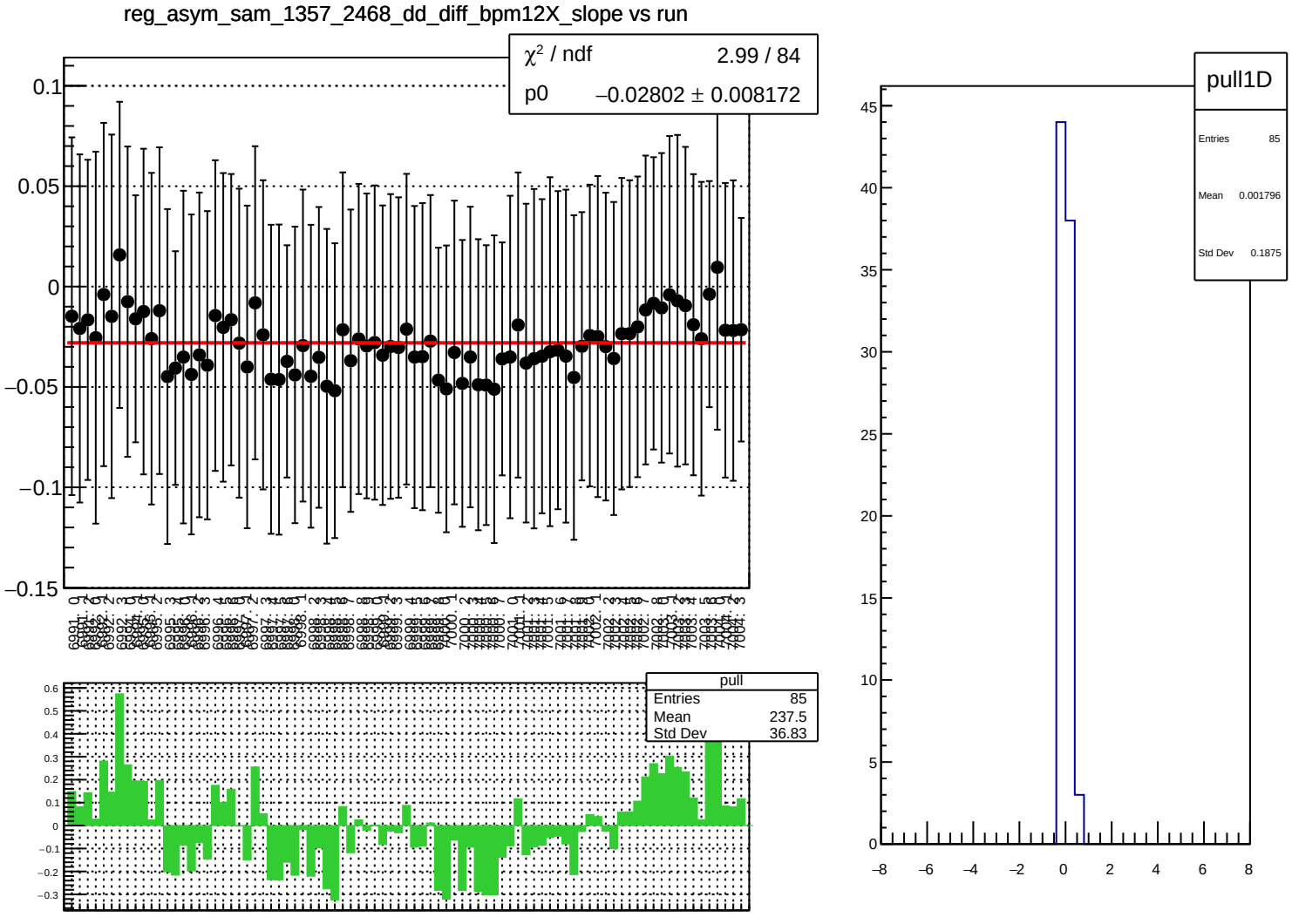

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.8203 / 84
p0 1.724 ± 0.1688
pull
Entries 85
Mean 74.45
Std Dev 76.57

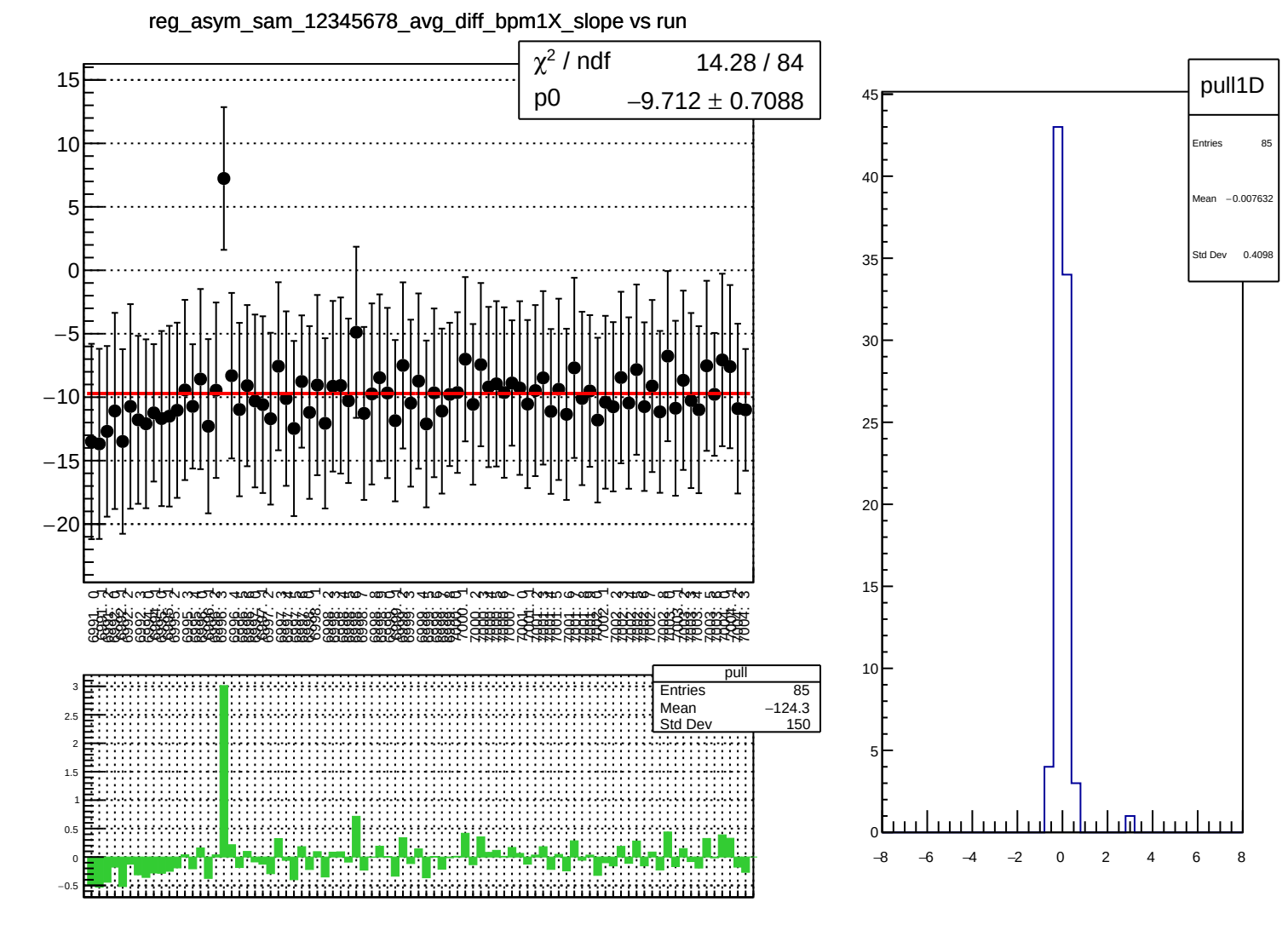

pull1D
Entries 85
Mean 0.00163
Std Dev 0.09822

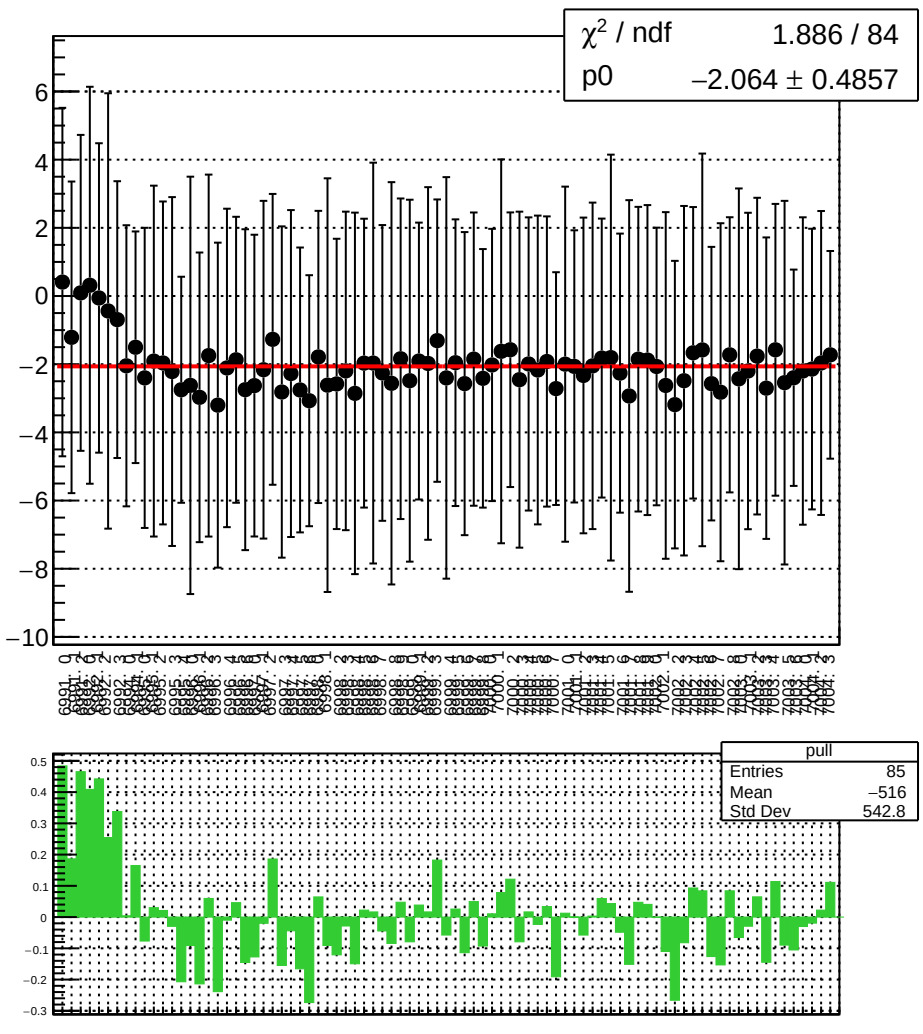

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.655 / 84
p0 18.67 ± 0.2275
pull
Entries 85
Mean −253.1
Std Dev 314.4
pull1D
Entries 85
Mean 0.00282
Std Dev 0.3191

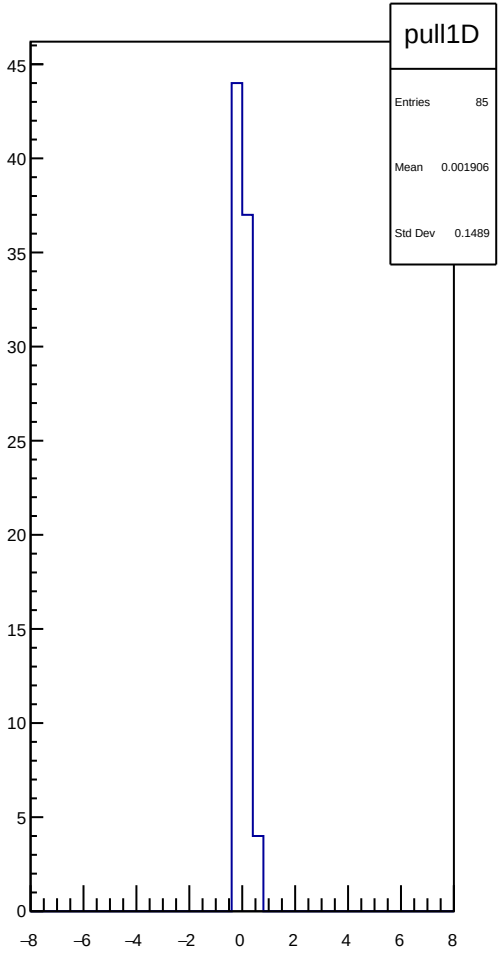

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.462 / 84
p0 −6.811 ± 0.1781
pull
Entries 85
Mean −1195
Std Dev 1227

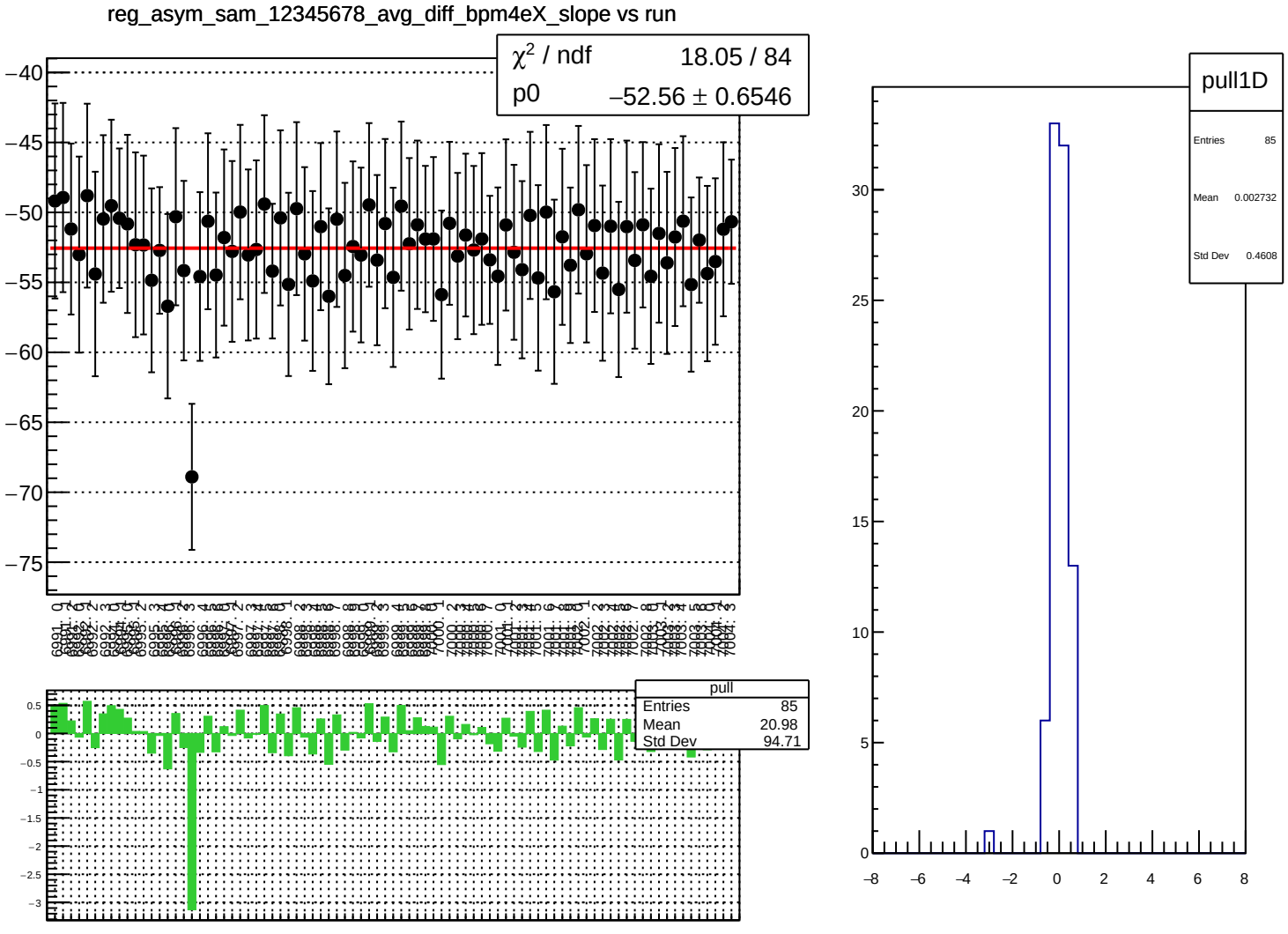

pull1D
Entries 85
Mean 0.00122
Std Dev 0.1312

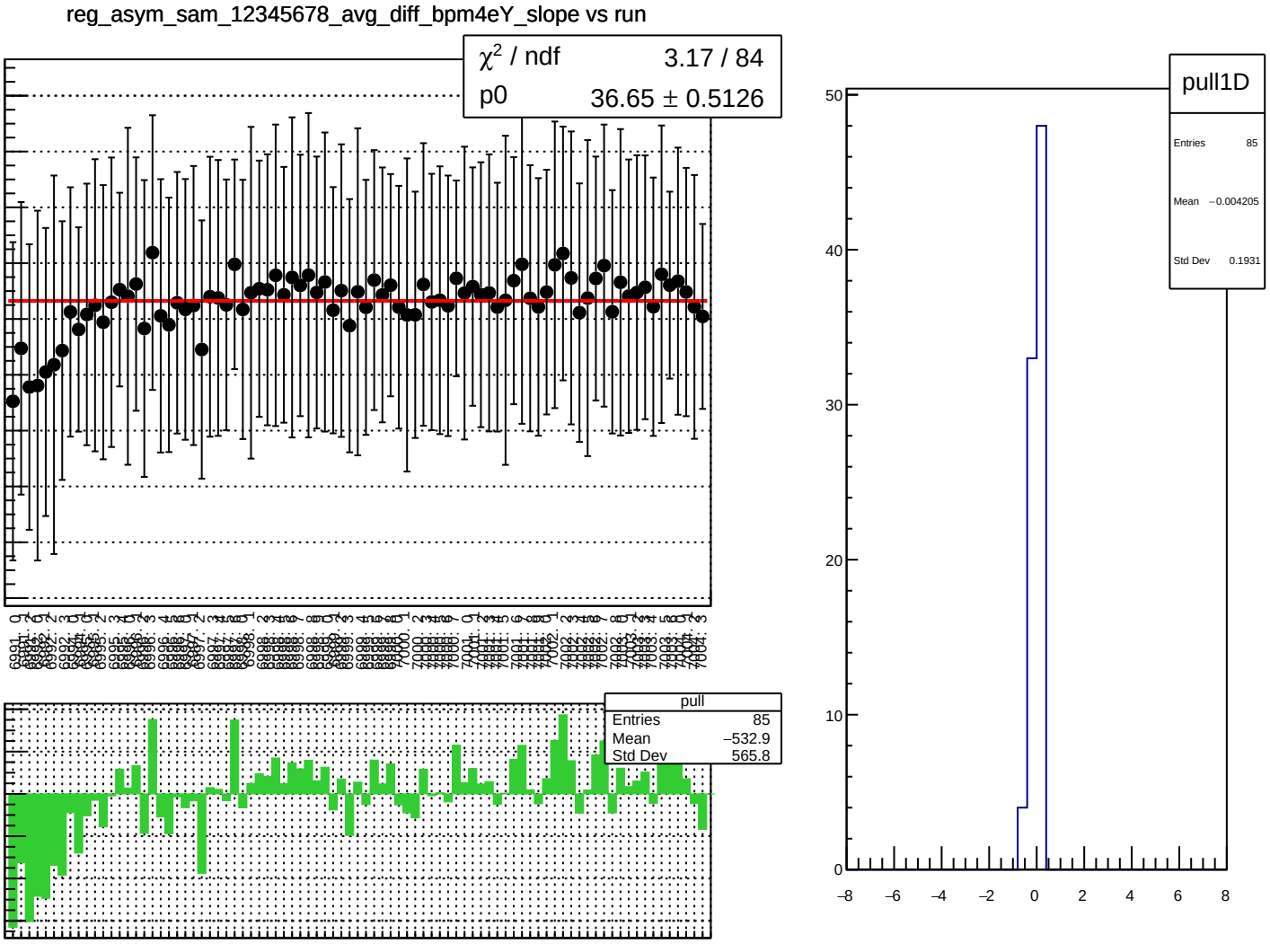

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.99 / 84
p0 −0.02802 ± 0.008172
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 85
Mean 237.5
Std Dev 36.83
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 85
Mean 0.001796
Std Dev 0.1875
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

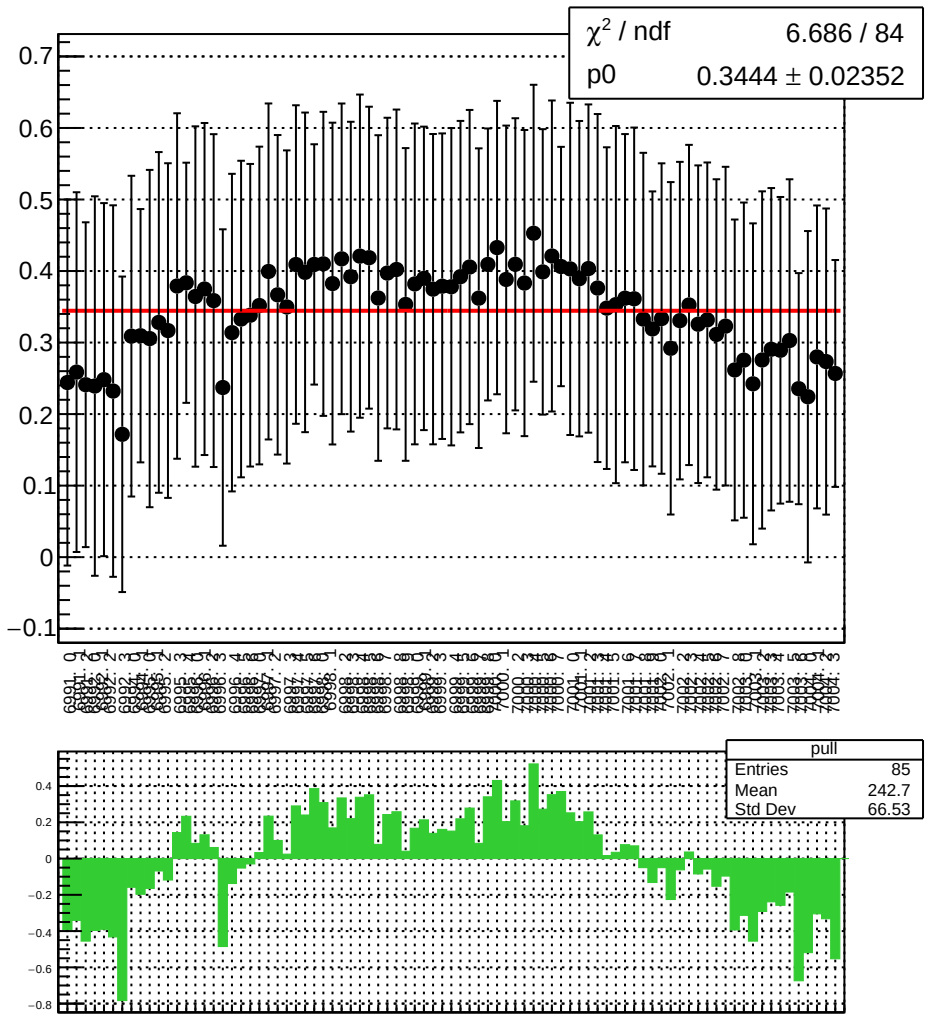

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 14.28 / 84
p0 −9.712 ± 0.7088
pull
Entries 85
Mean −124.3
Std Dev 150
pull1D
Entries 85
Mean −0.007632
Std Dev 0.4098

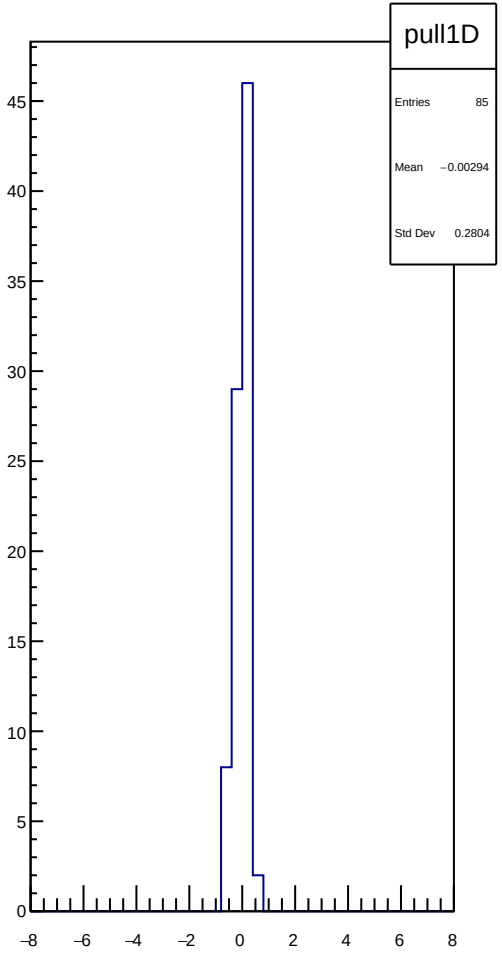

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.886 / 84
p0 −2.064 ± 0.4857
pull
Entries 85
Mean −516
Std Dev 542.8

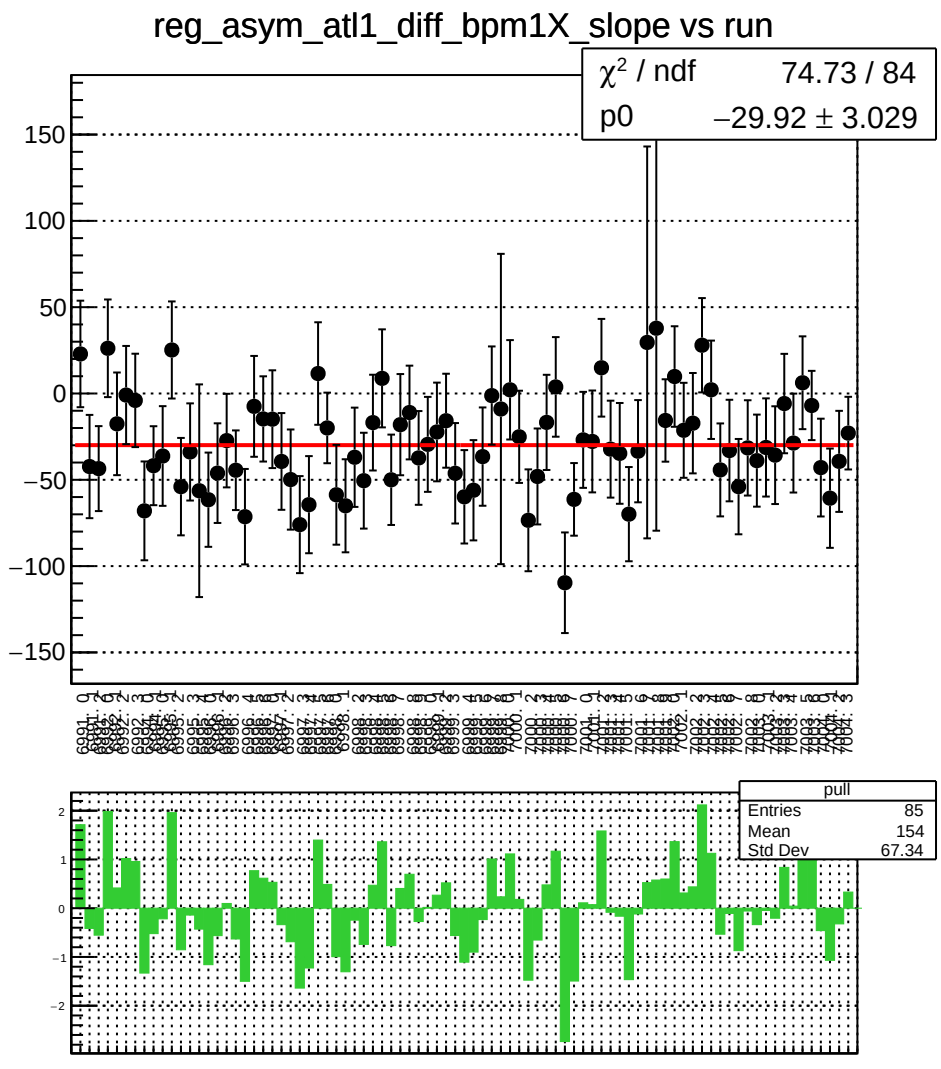

pull1D
Entries 85
Mean 0.001906
Std Dev 0.1489

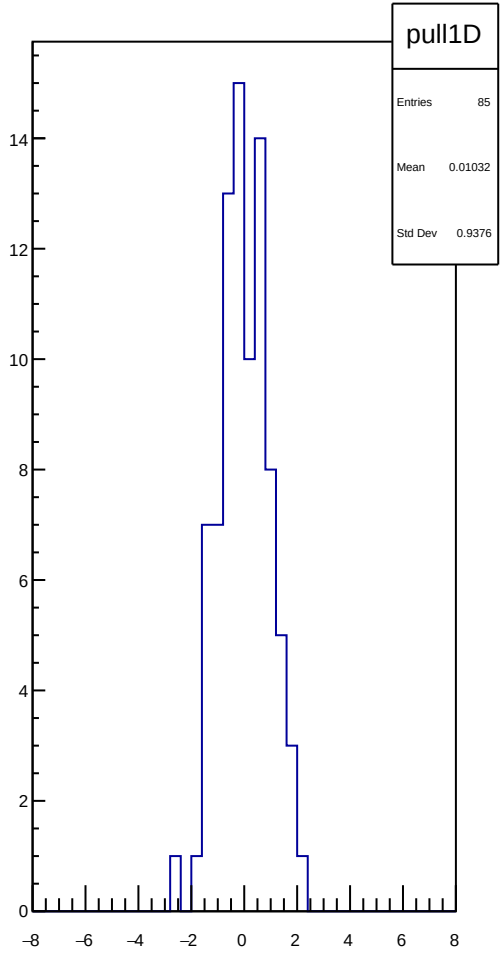

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.05 / 84
p0 −52.56 ± 0.6546
pull
Entries 85
Mean 20.98
Std Dev 94.71
pull1D
Entries 85
Mean 0.002732
Std Dev 0.4608

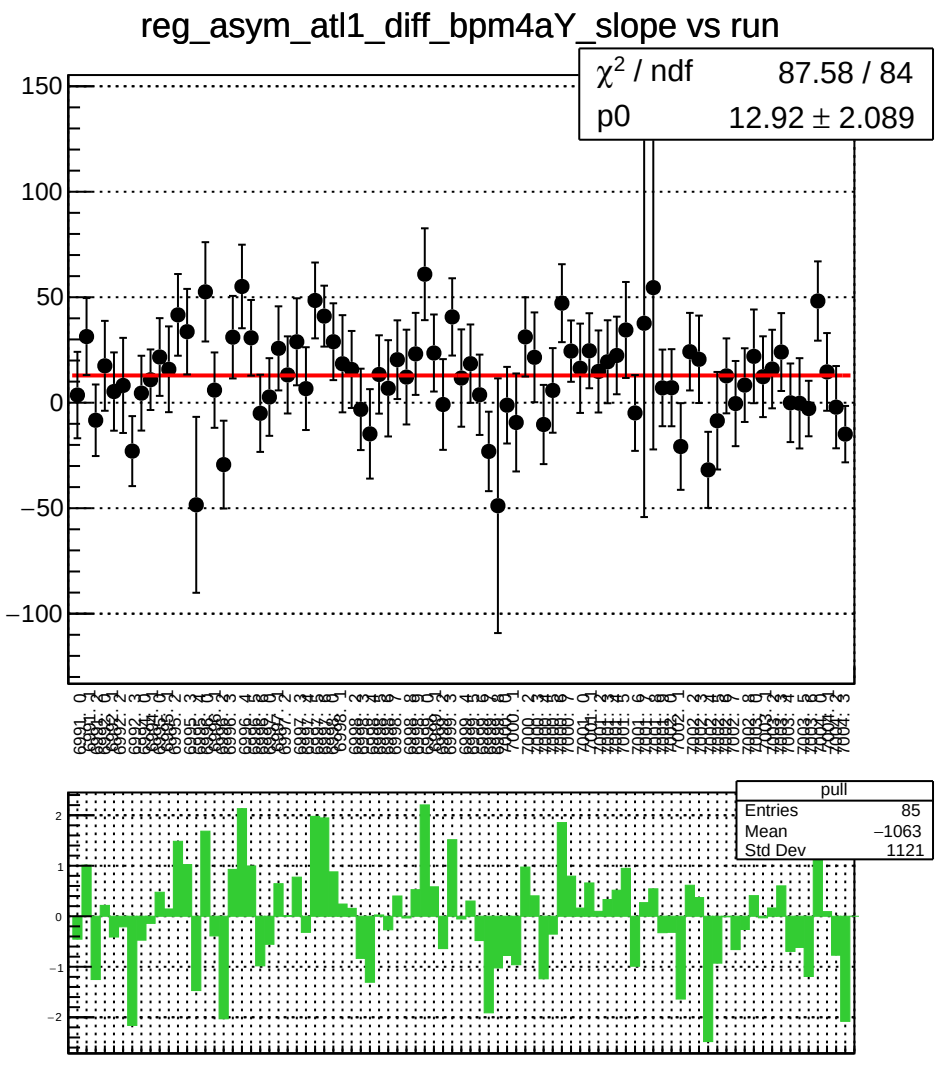

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.17 / 84
p0 36.65 ± 0.5126
pull
Entries 85
Mean −532.9
Std Dev 565.8
pull1D
Entries 85
Mean −0.004205
Std Dev 0.1931

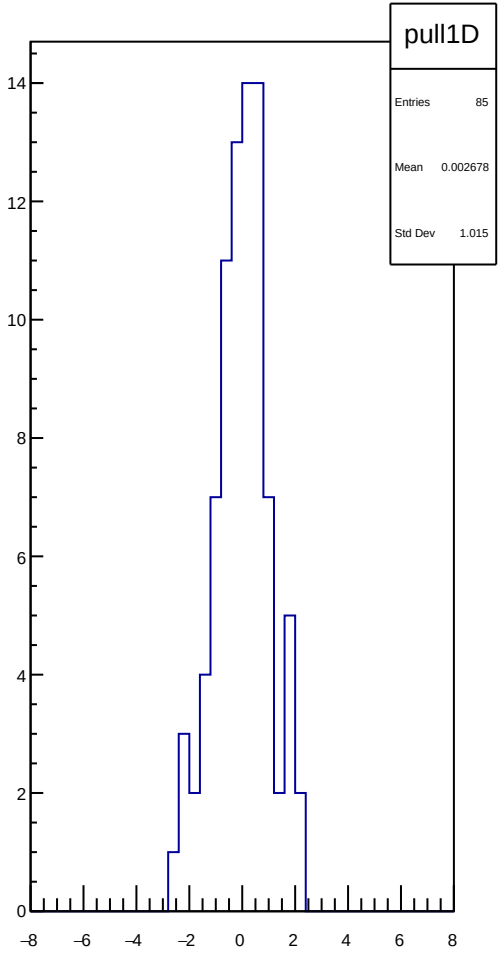

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 6.686 / 84
p0 0.3444 ± 0.02352
pull
Entries 85
Mean 242.7
Std Dev 66.53

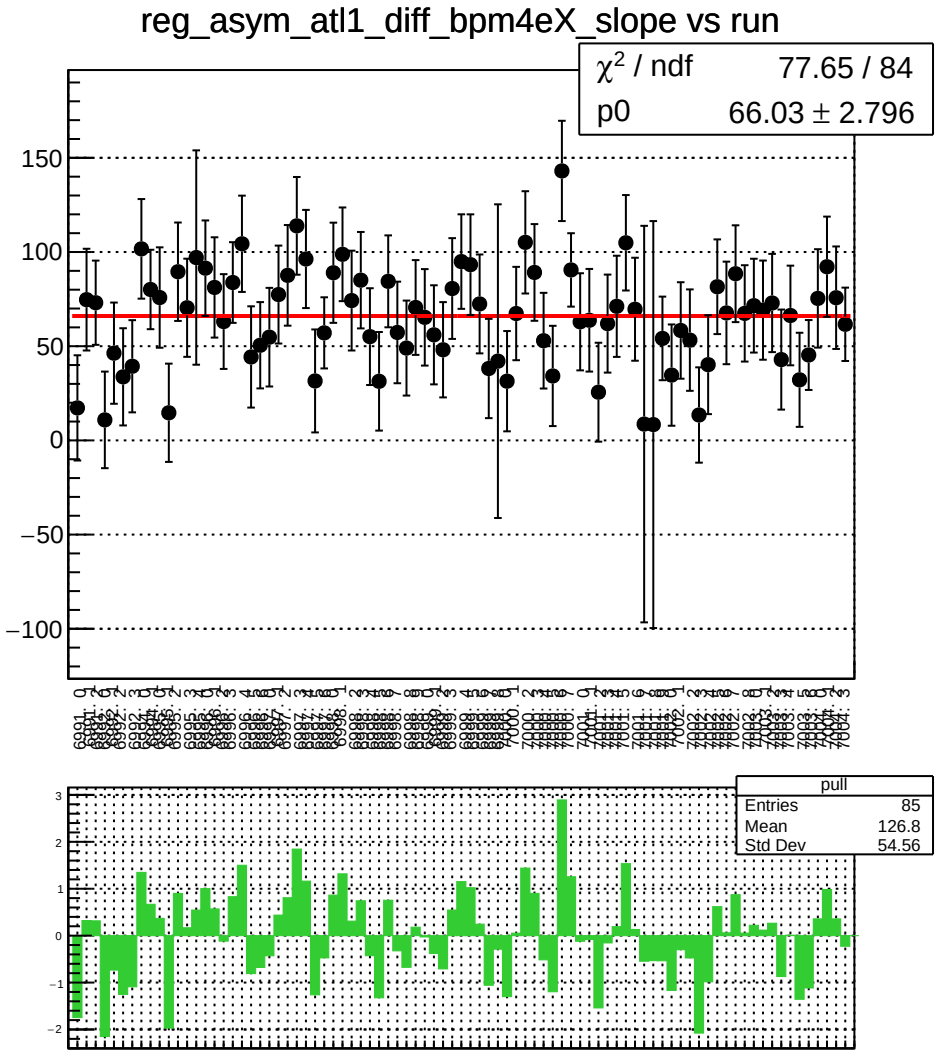

pull1D
Entries 85
Mean −0.00294
Std Dev 0.2804

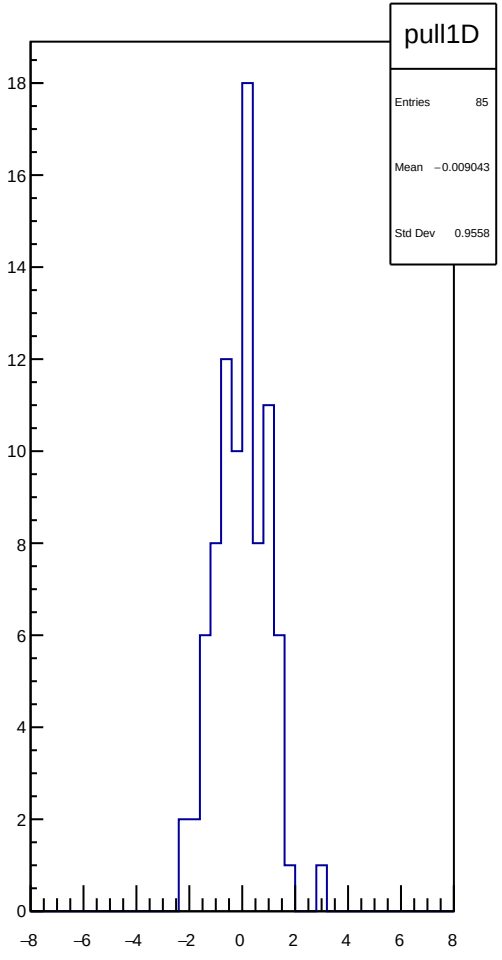

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 74.73 / 84
p0 −29.92 ± 3.029
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean 154
Std Dev 67.34
2
1
0
−1
−2

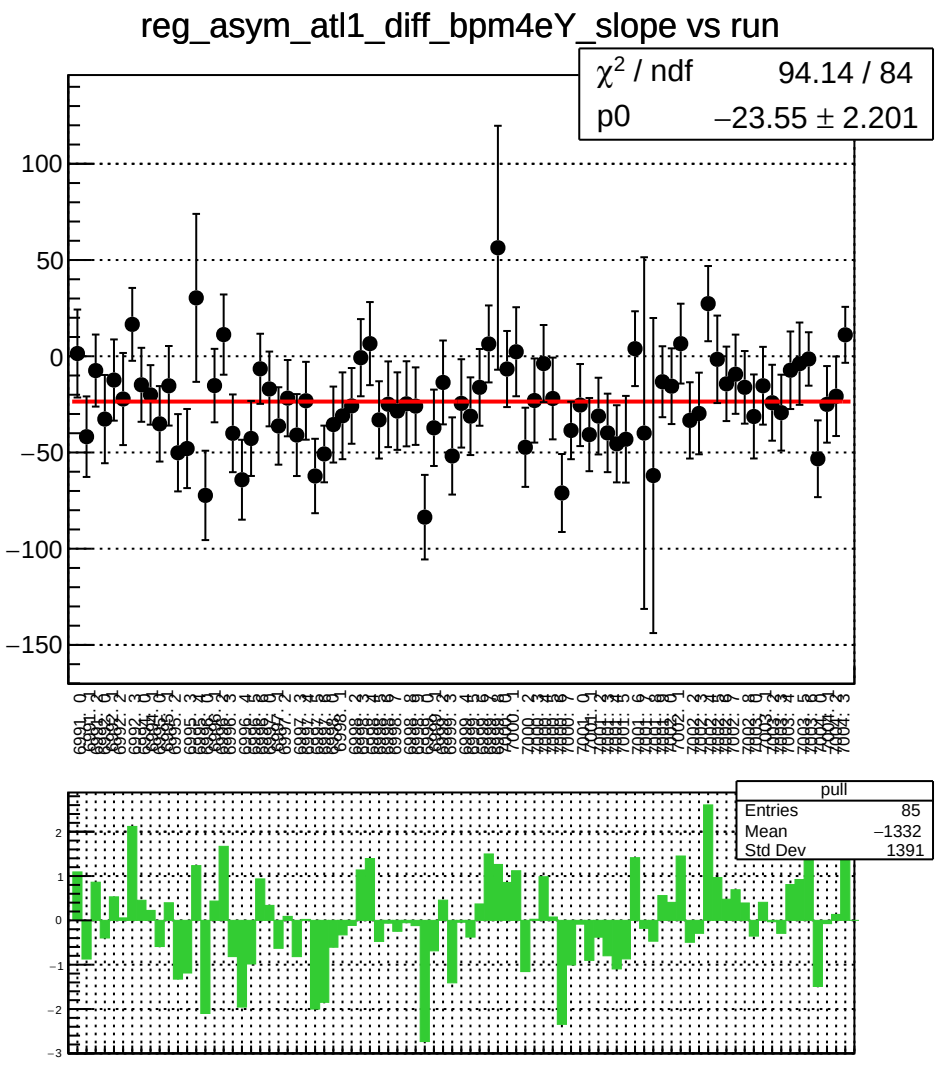

pull1D
Entries 85
Mean 0.01032
Std Dev 0.9376
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

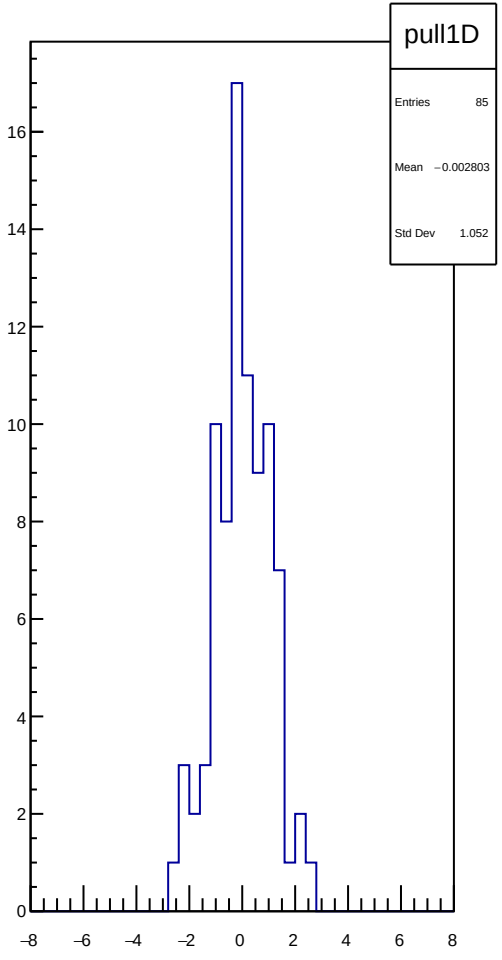

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 87.58 / 84
p0 12.92 ± 2.089
150
100
50
0
−50
−100
pull
Entries 85
Mean −1063
Std Dev 1121
2
1
0
−1
−2

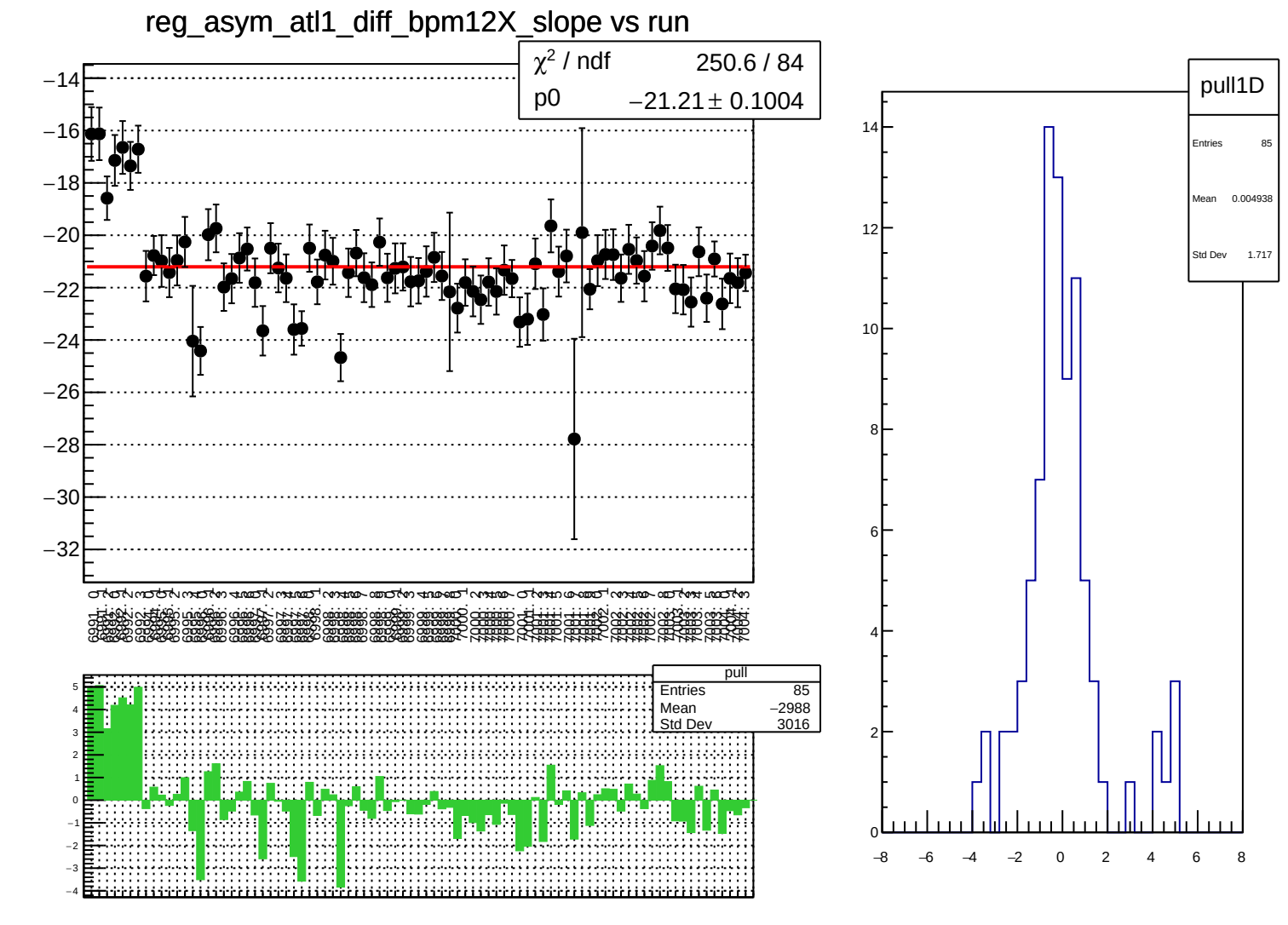

pull1D
Entries 85
Mean 0.002678
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

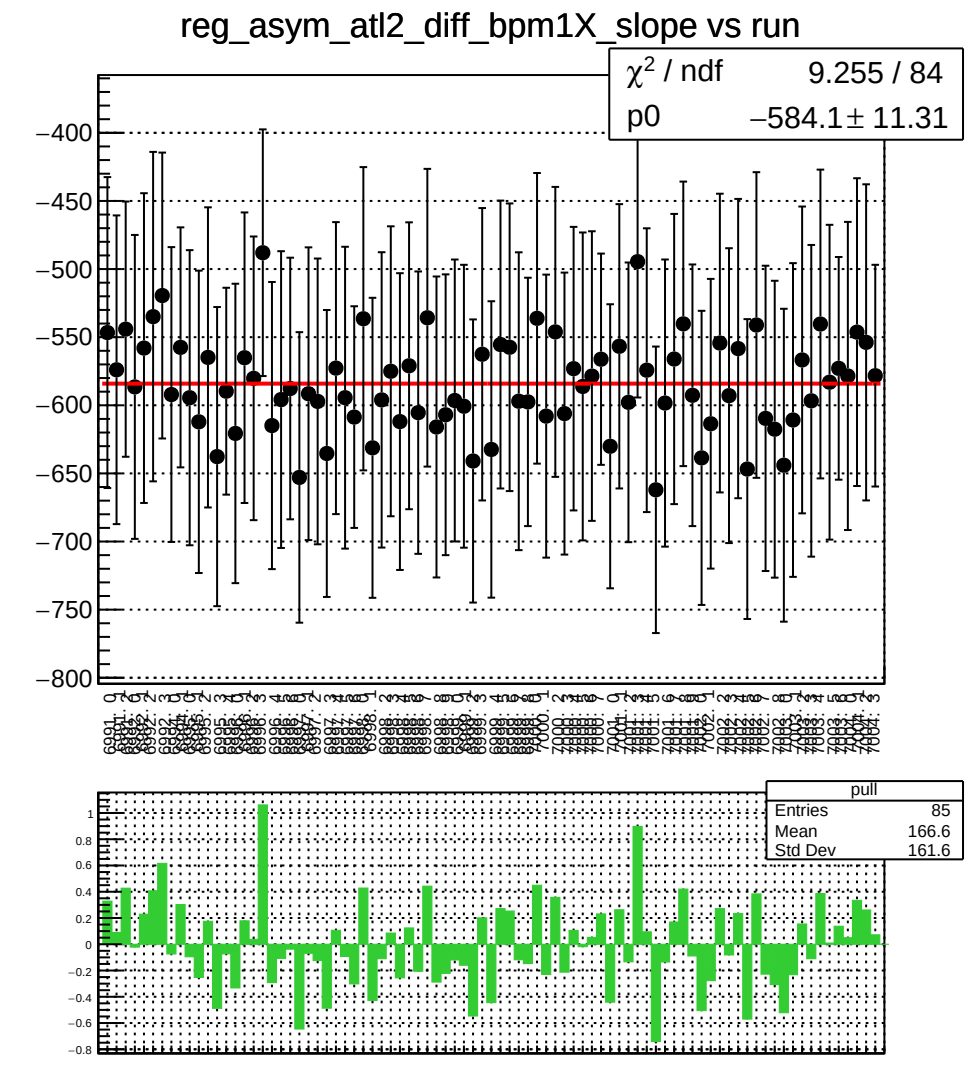

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 77.65 / 84
p0 66.03 ± 2.796
150
100
50
0
−50
−100
pull
Entries 85
Mean 126.8
Std Dev 54.56
3
2
1
0
−1
−2

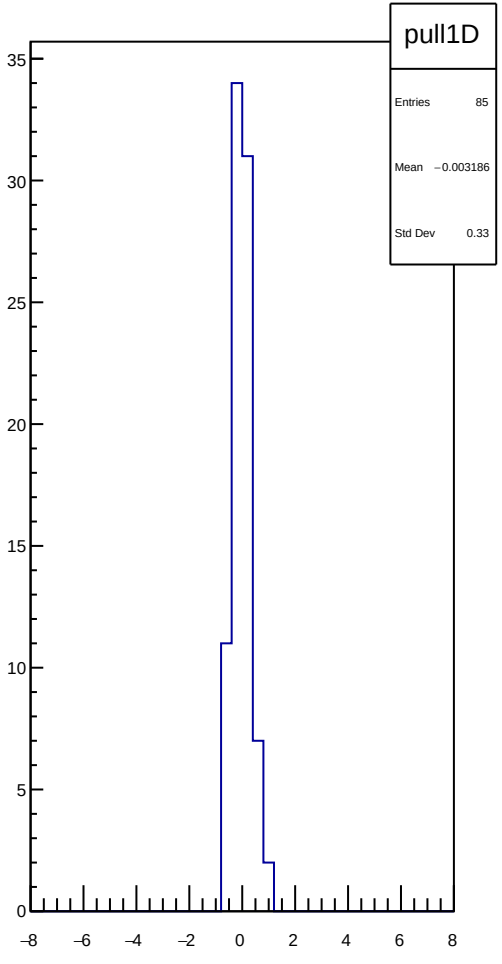

pull1D
Entries 85
Mean −0.009043
Std Dev 0.9558
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

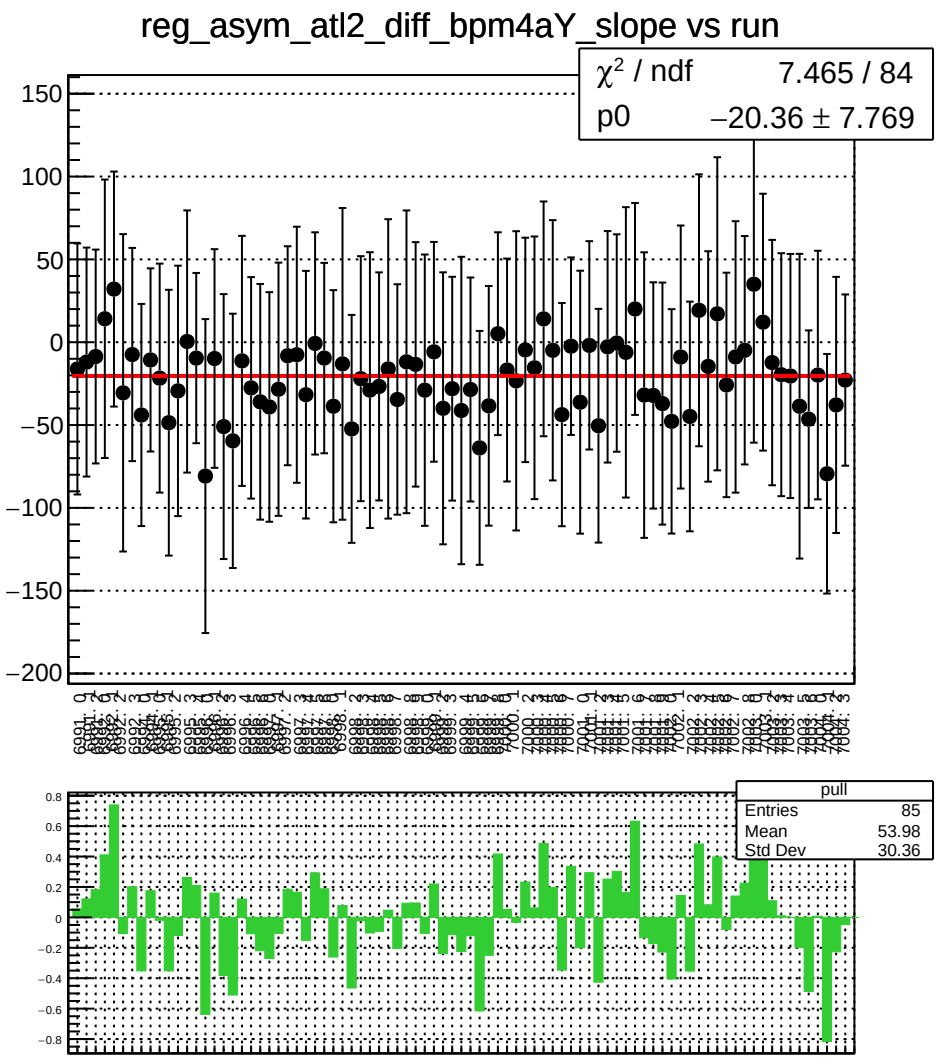

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 94.14 / 84
p0 −23.55 ± 2.201
pull
Entries 85
Mean −1332
Std Dev 1391

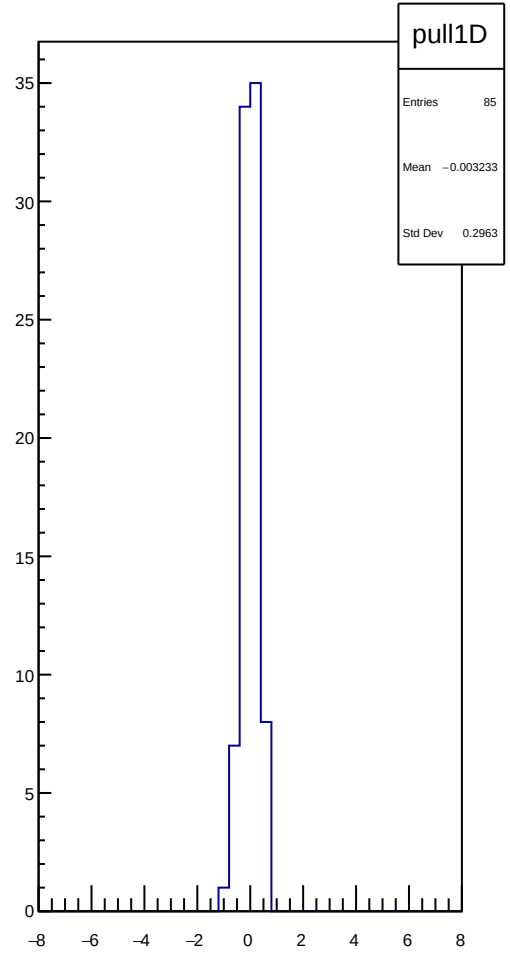

pull1D
Entries 85
Mean −0.002803
Std Dev 1.052

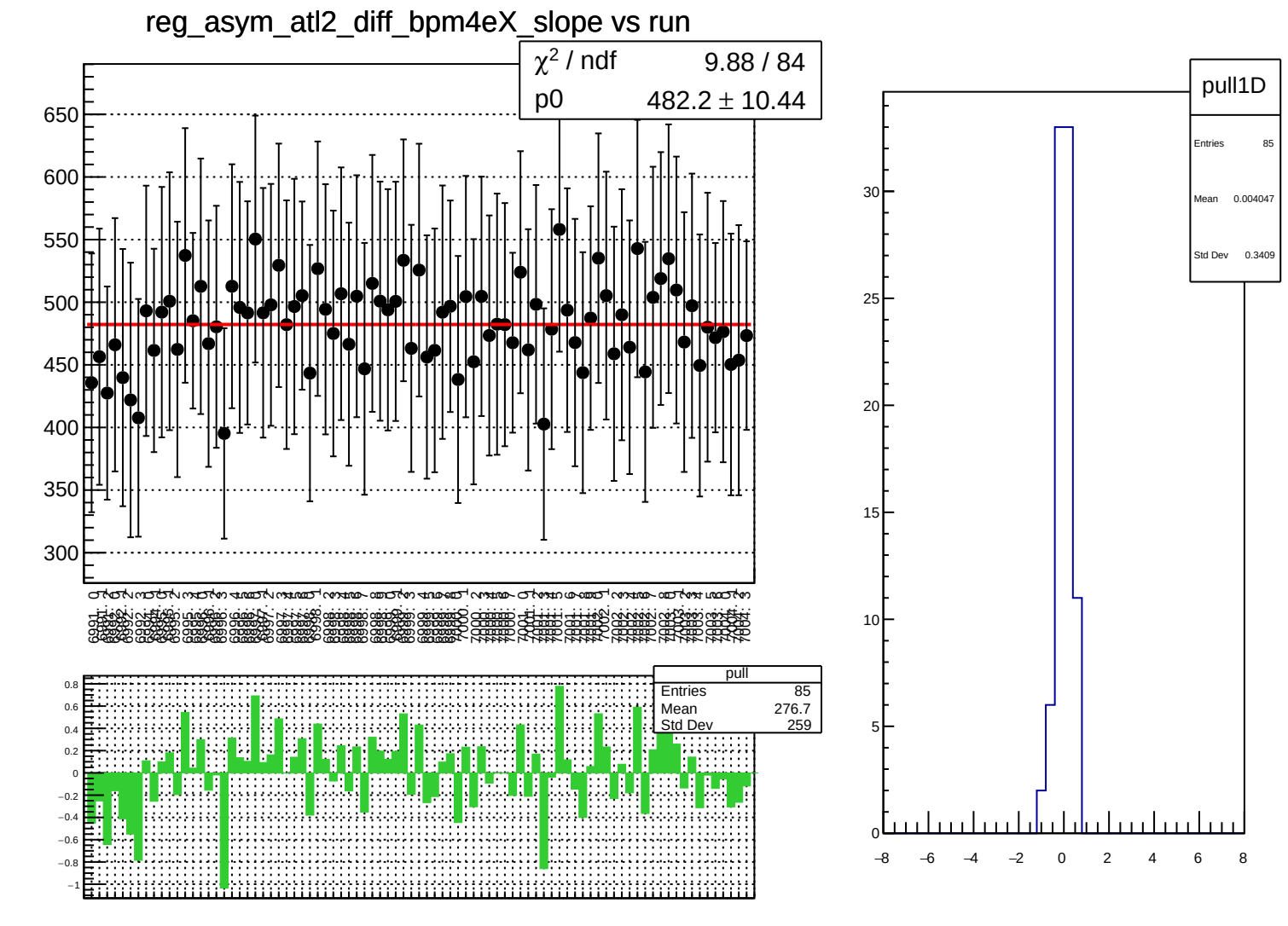

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 250.6 / 84
p0 −21.21 ± 0.1004
pull
Entries 85
Mean −2988
Std Dev 3016
pull1D
Entries 85
Mean 0.004938
Std Dev 1.717

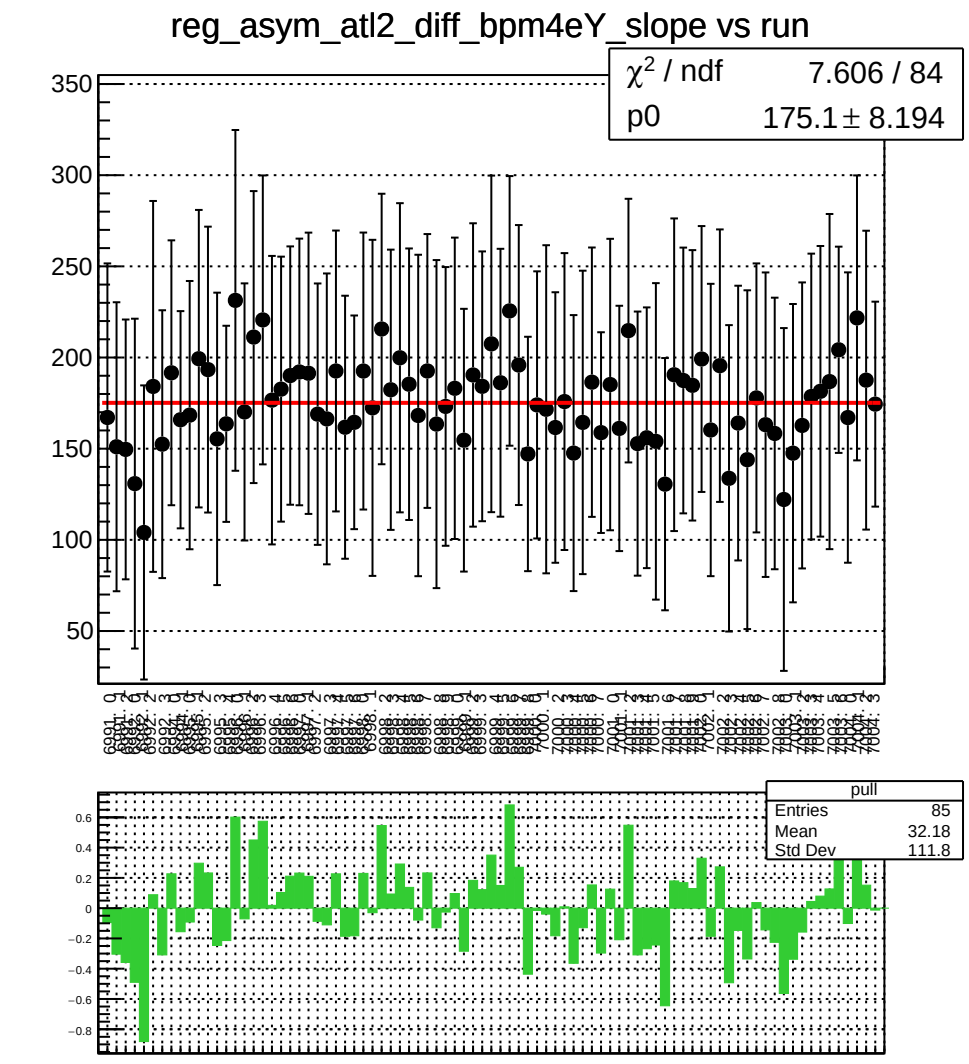

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 9.255 / 84
p0 −584.1 ± 11.31
pull
Entries 85
Mean 166.6
Std Dev 161.6

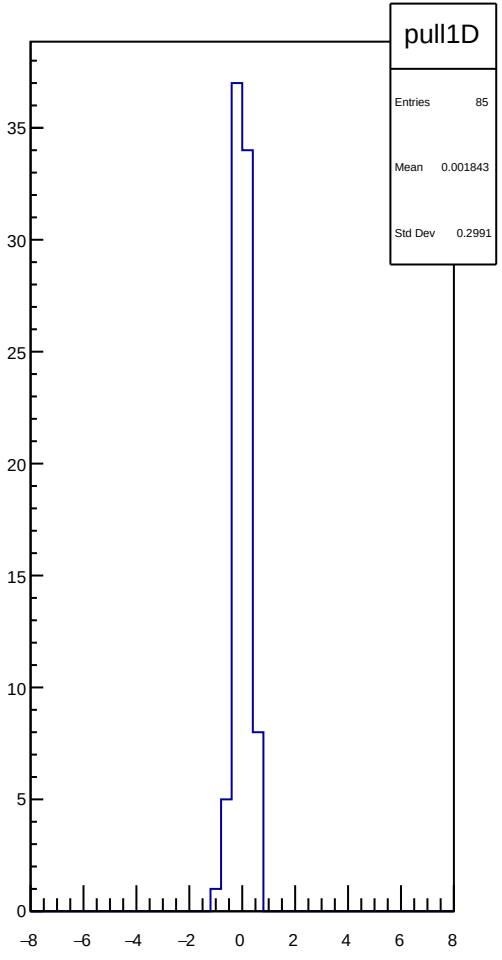

pull1D
Entries 85
Mean −0.003186
Std Dev 0.33

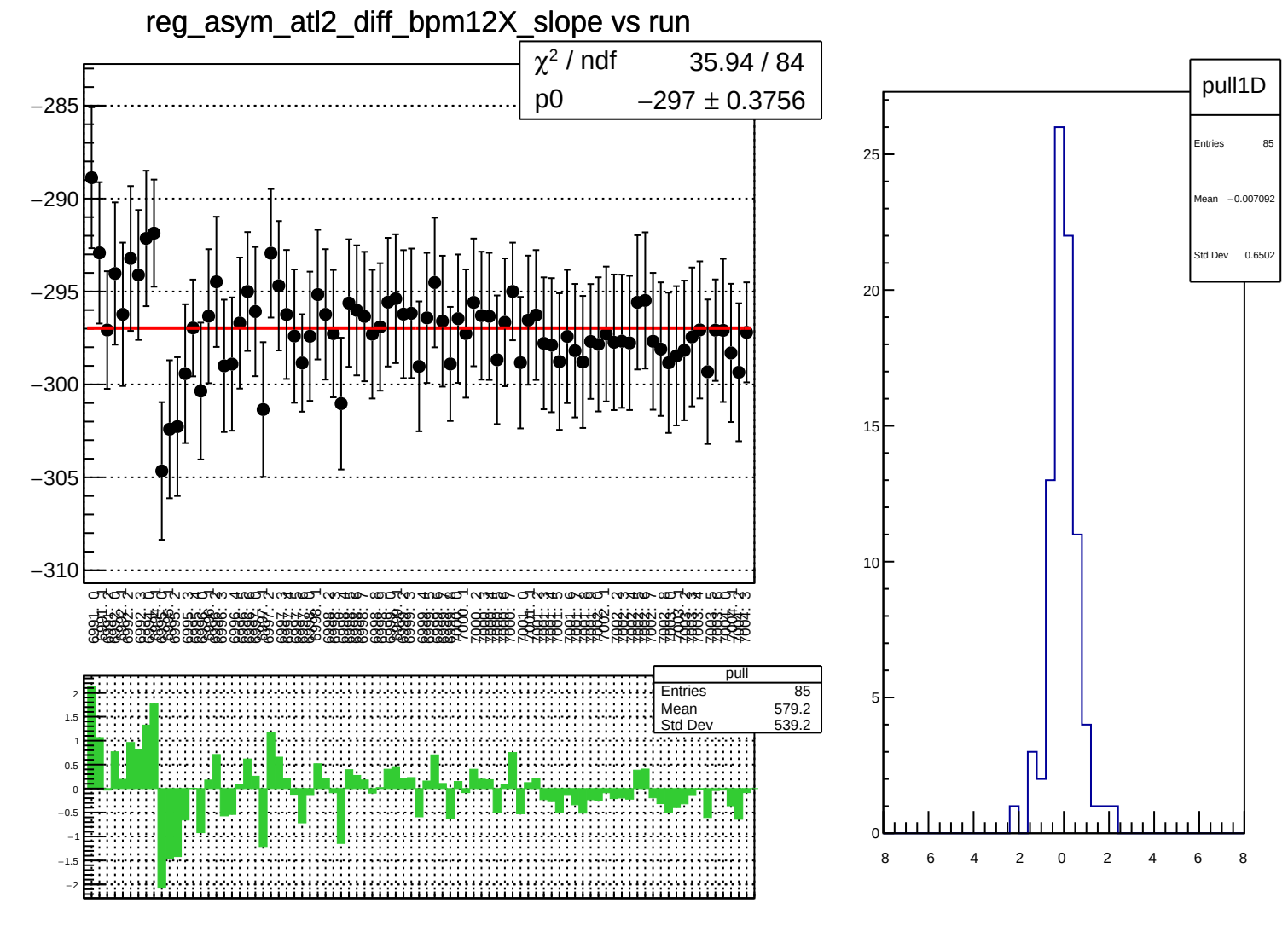

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 7.465 / 84
p0 −20.36 ± 7.769
pull
Entries 85
Mean 53.98
Std Dev 30.36

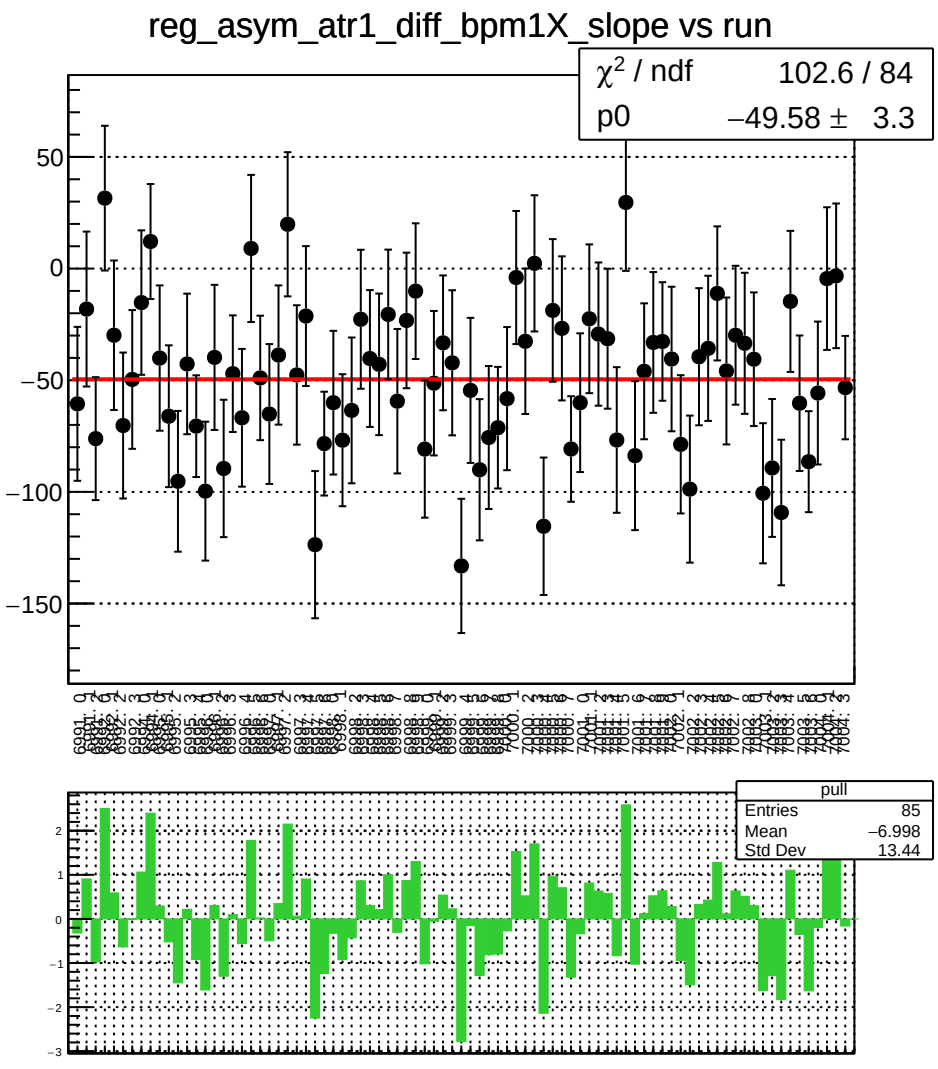

pull1D
Entries 85
Mean −0.003233
Std Dev 0.2963

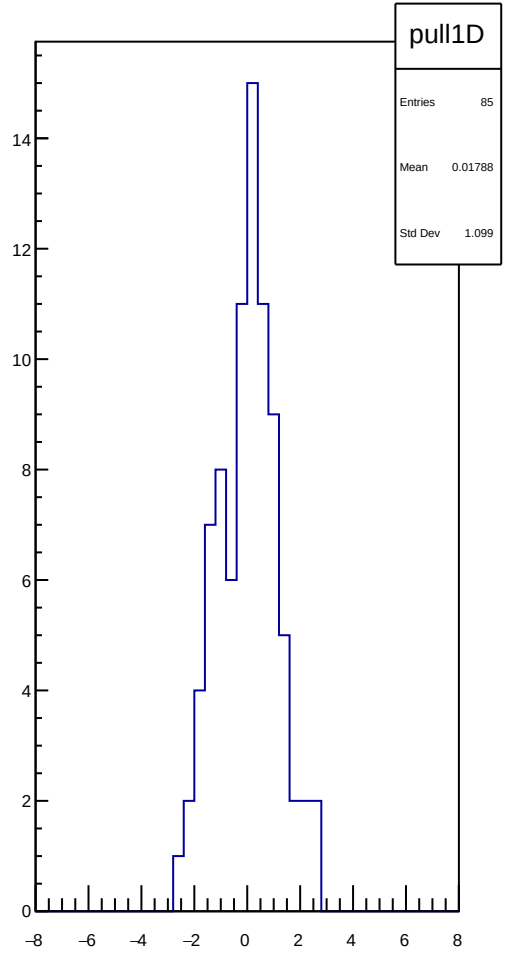

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 9.88 / 84
p0 482.2 ± 10.44
650
600
550
500
450
400
350
300
pull
Entries 85
Mean 276.7
Std Dev 259
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 85
Mean 0.004047
Std Dev 0.3409
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

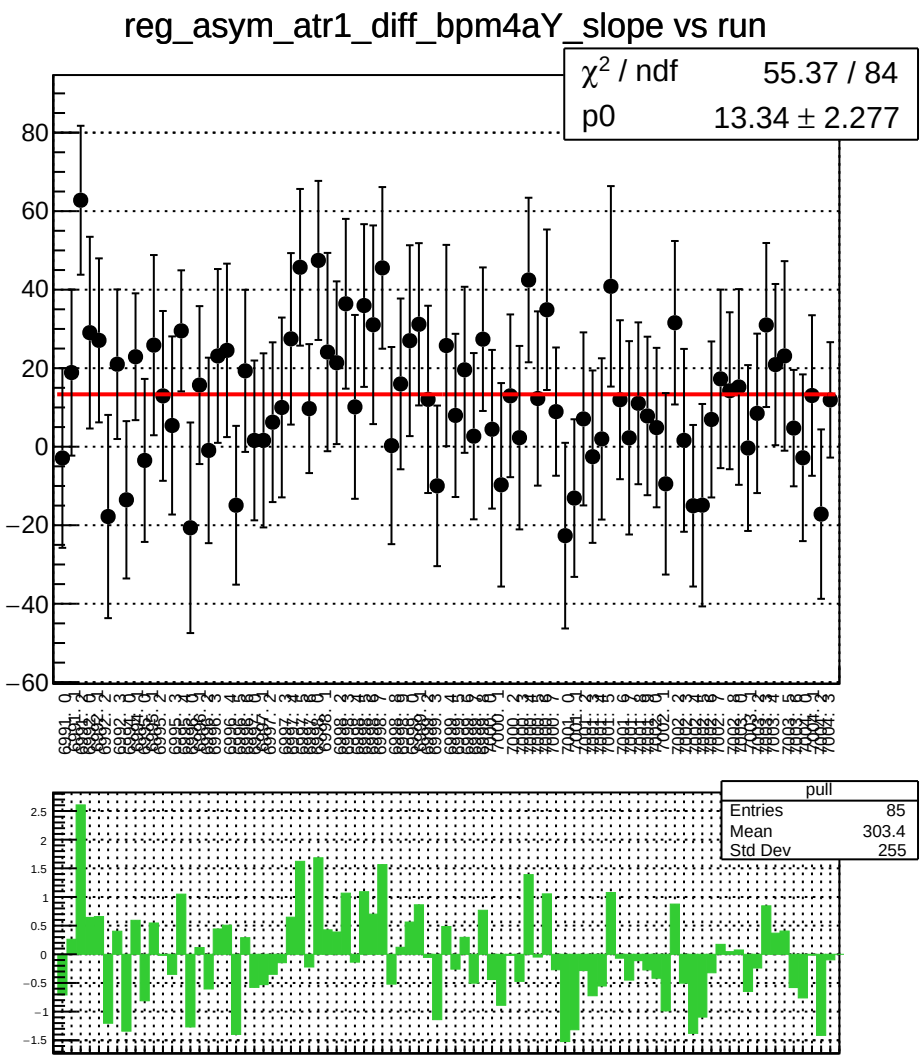

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 7.606 / 84
p0 175.1 ± 8.194
pull
Entries 85
Mean 32.18
Std Dev 111.8

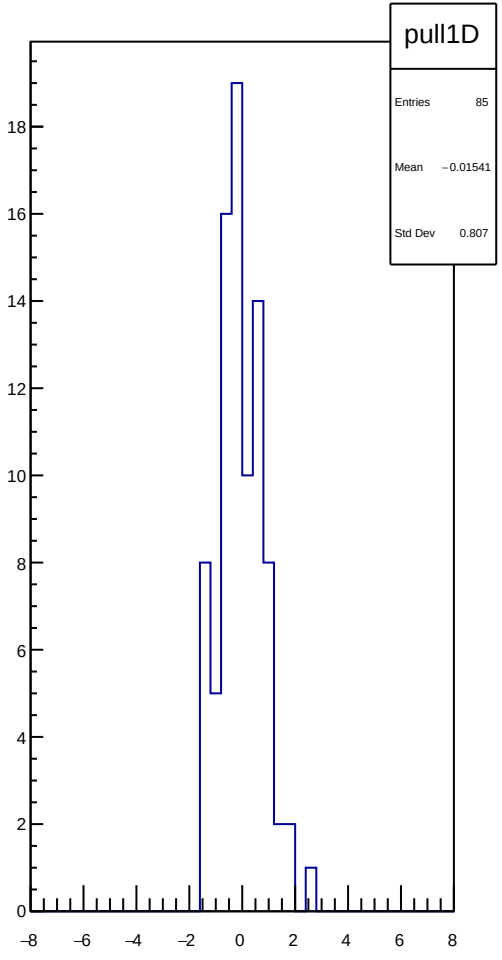

pull1D
Entries 85
Mean 0.001843
Std Dev 0.2991

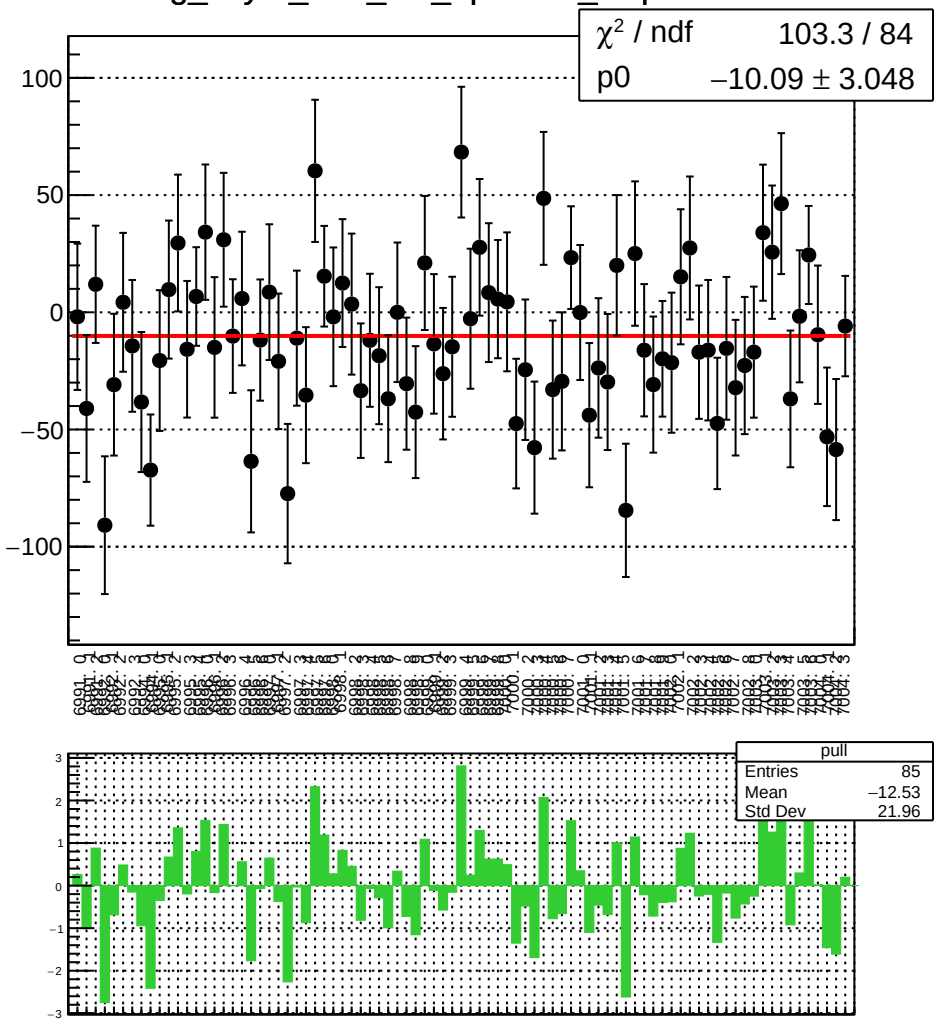

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 35.94 / 84
p0 −297 ± 0.3756
−285
−290
−295
−300
−305
−310
pull
Entries 85
Mean 579.2
Std Dev 539.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.007092
Std Dev 0.6502
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

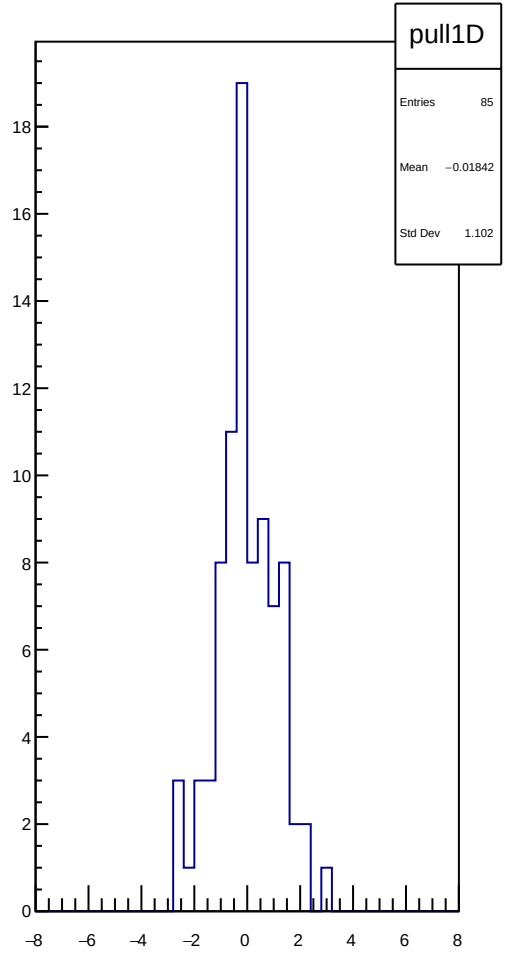

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 102.6 / 84
p0 −49.58 ± 3.3
50
0
−50
−100
−150
pull
Entries 85
Mean −6.998
Std Dev 13.44
2
1
0
−1
−2
−3

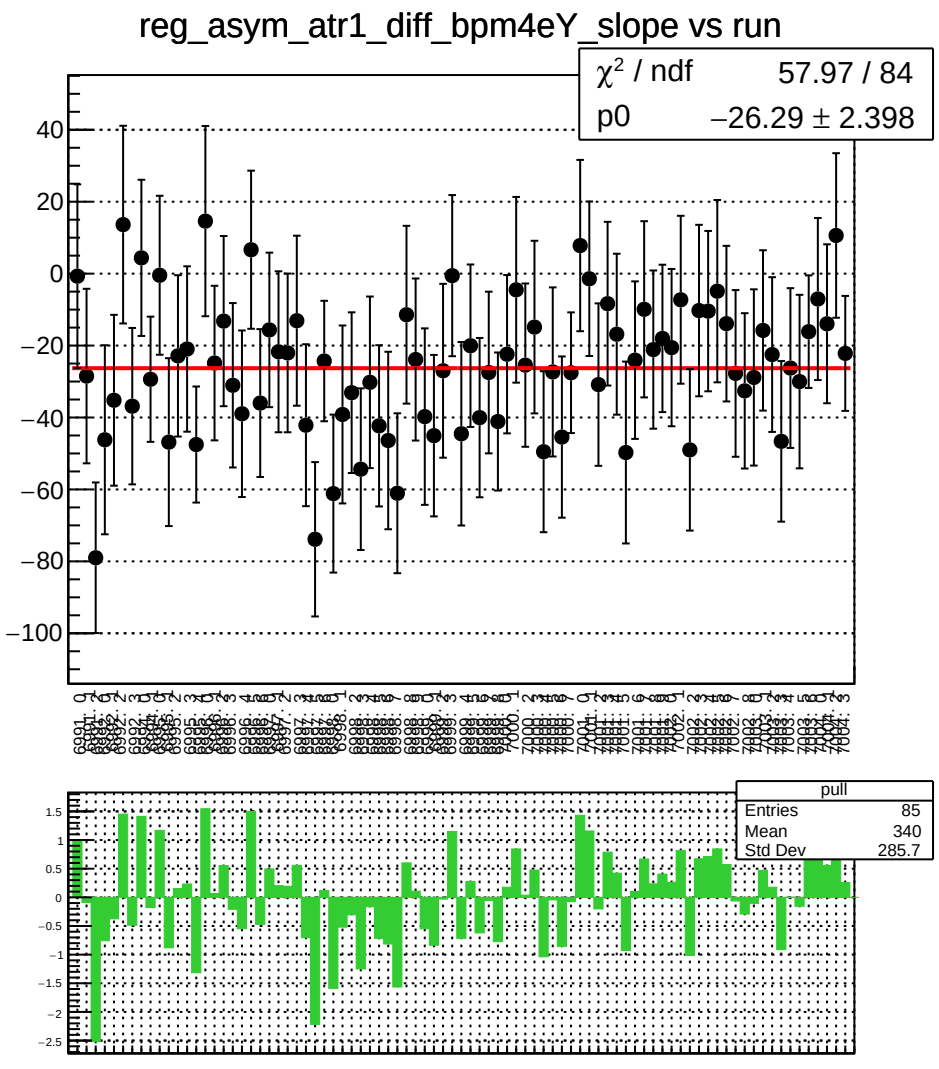

pull1D
Entries 85
Mean 0.01788
Std Dev 1.099
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

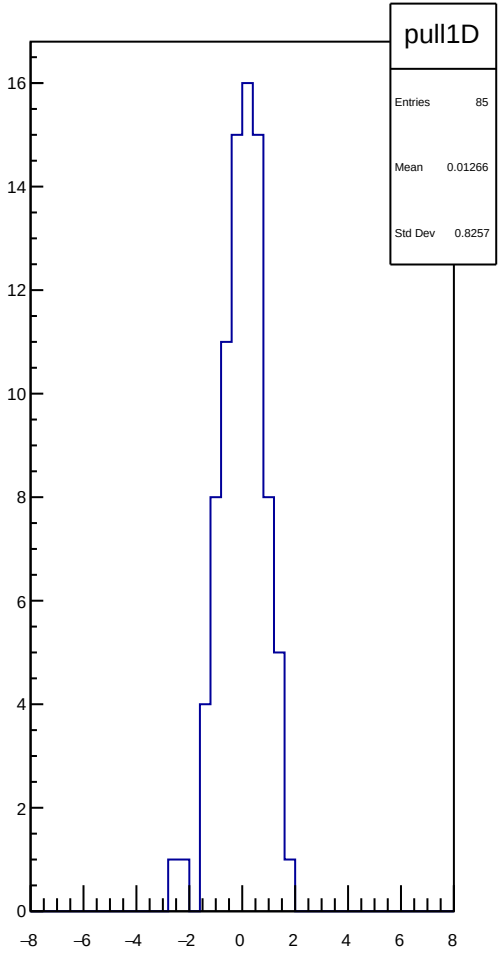

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 55.37 / 84
p0 13.34 ± 2.277
pull
Entries 85
Mean 303.4
Std Dev 255

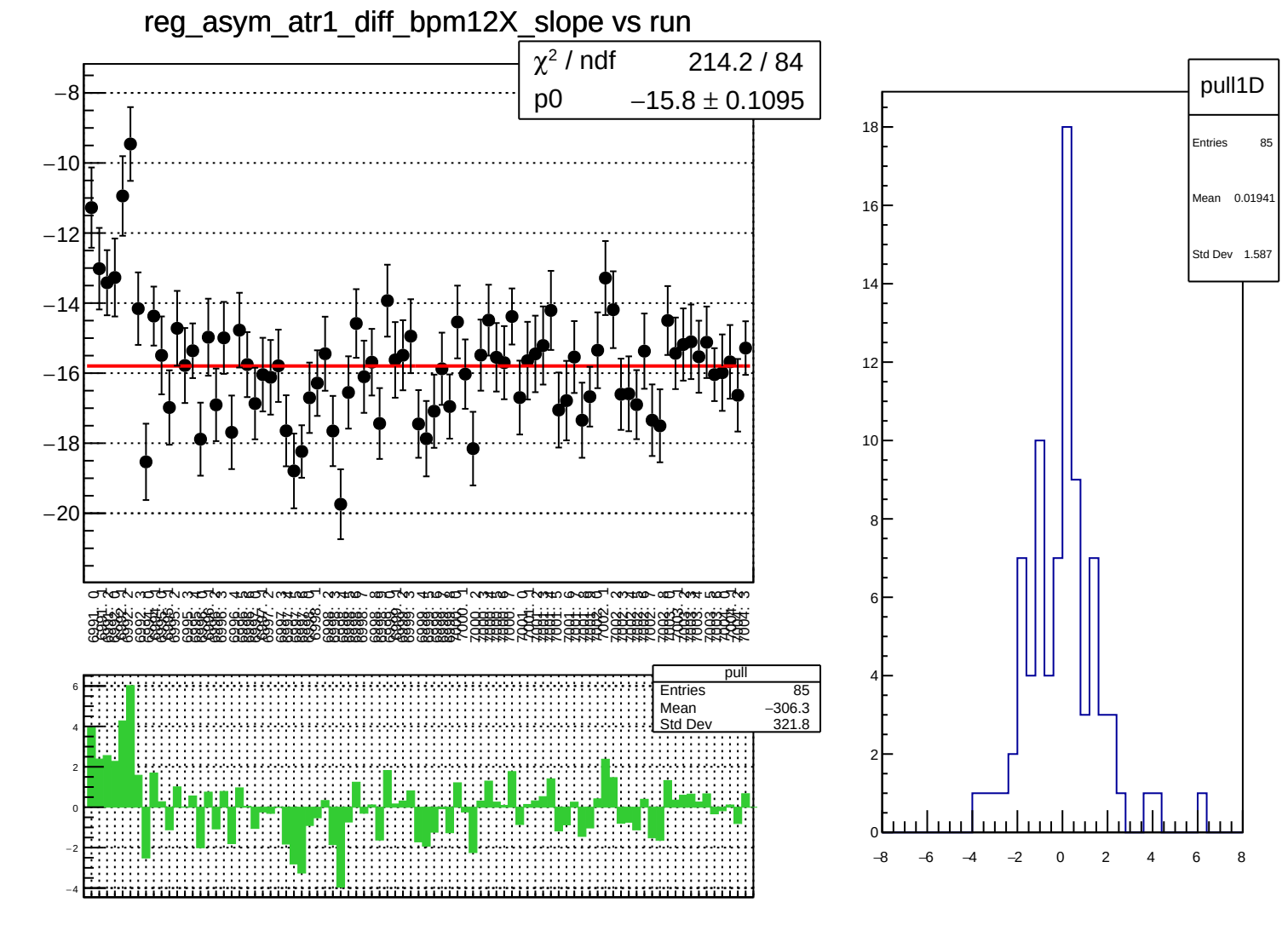

pull1D
Entries 85
Mean −0.01541
Std Dev 0.807

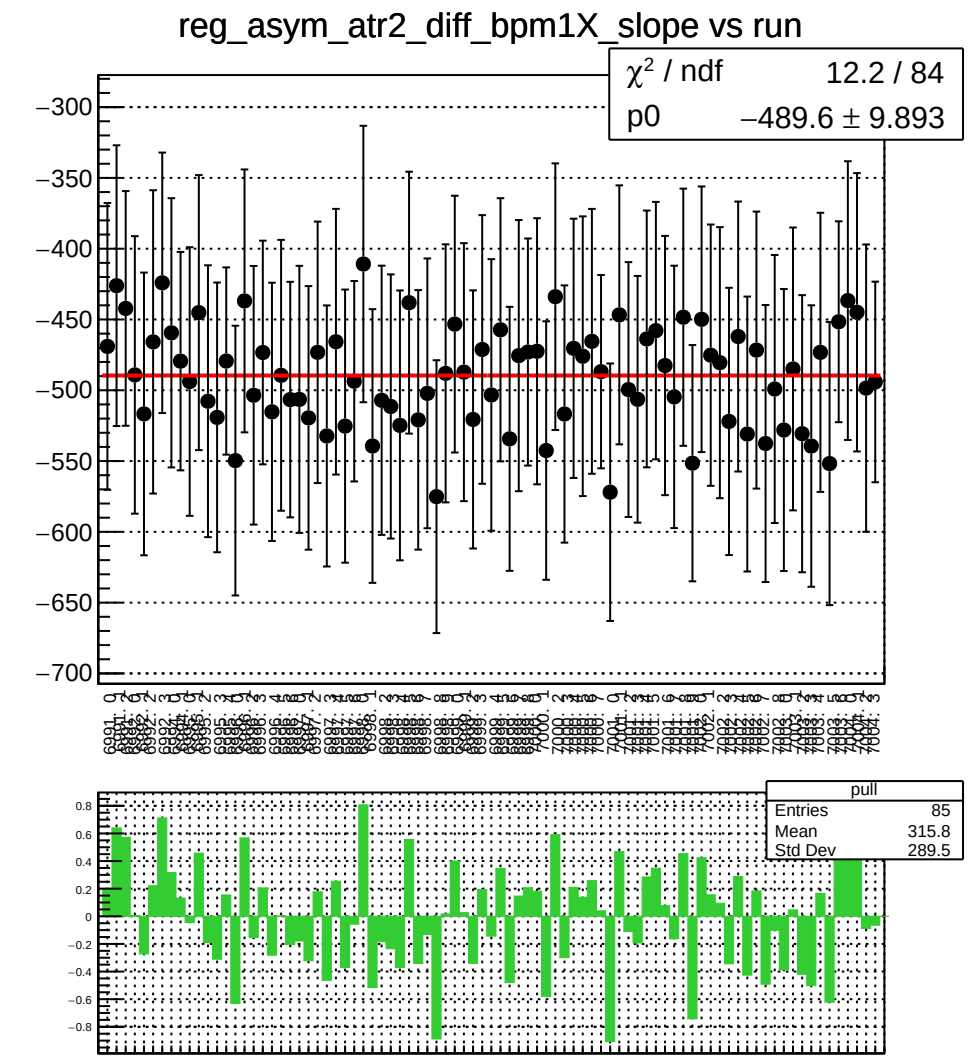

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 103.3 / 84
p0 −10.09 ± 3.048
pull
Entries 85
Mean −12.53
Std Dev 21.96

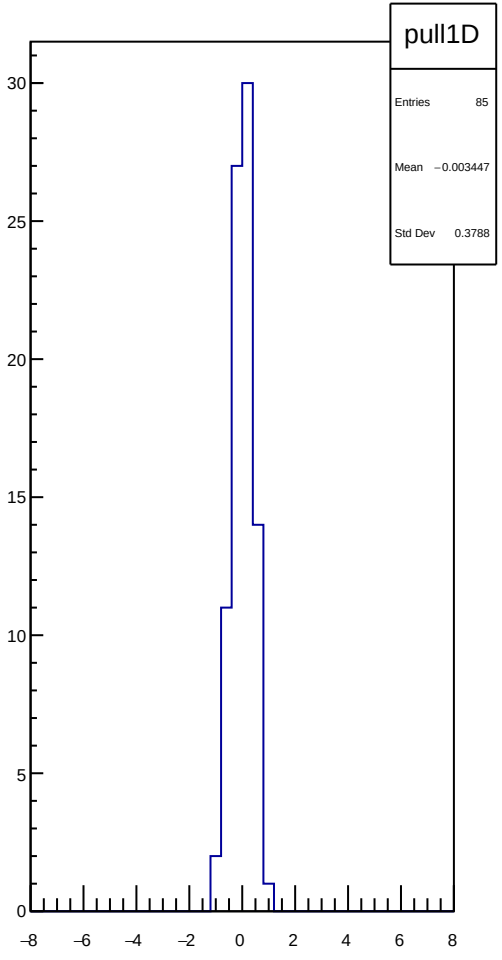

pull1D
Entries 85
Mean −0.01842
Std Dev 1.102

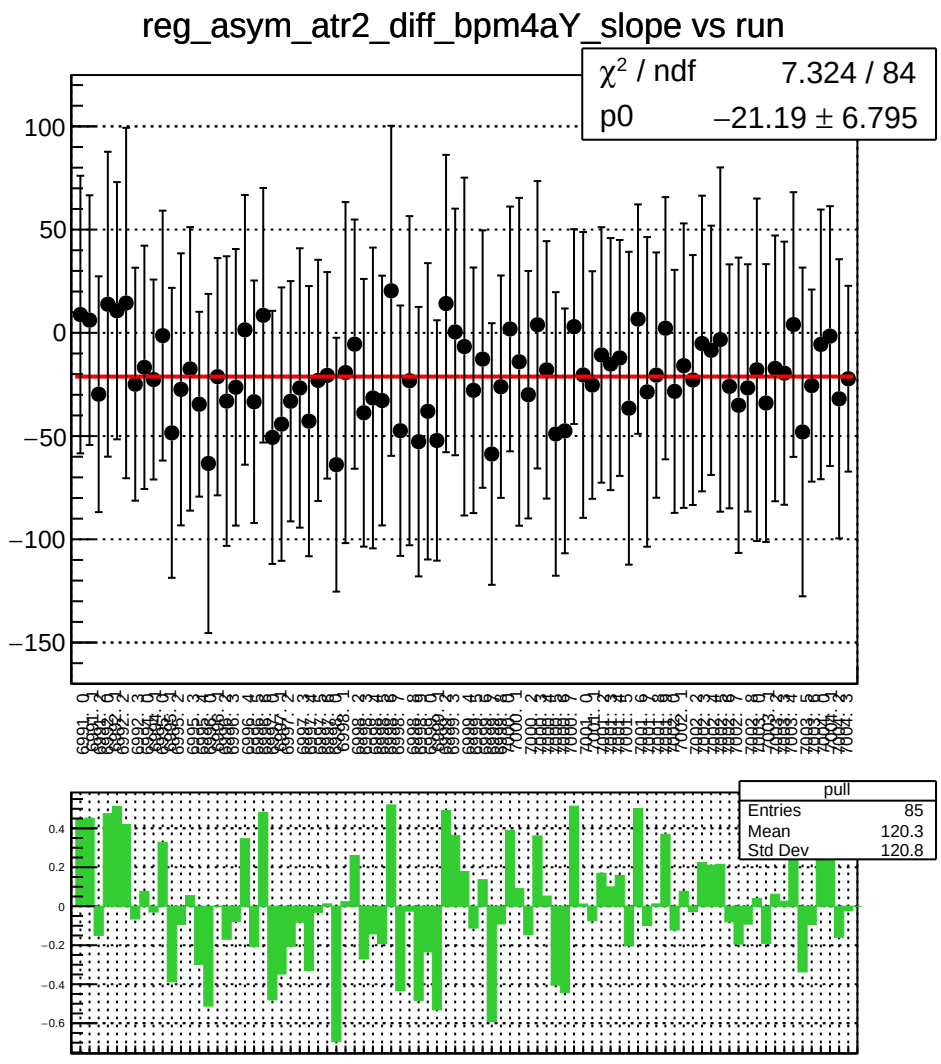

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 57.97 / 84
p0 −26.29 ± 2.398
pull
Entries 85
Mean 340
Std Dev 285.7

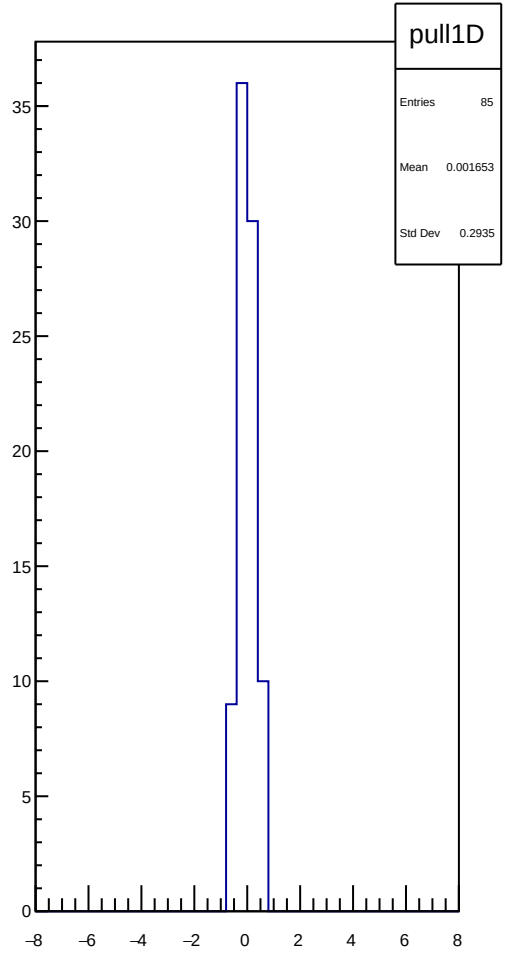

pull1D
Entries 85
Mean 0.01266
Std Dev 0.8257

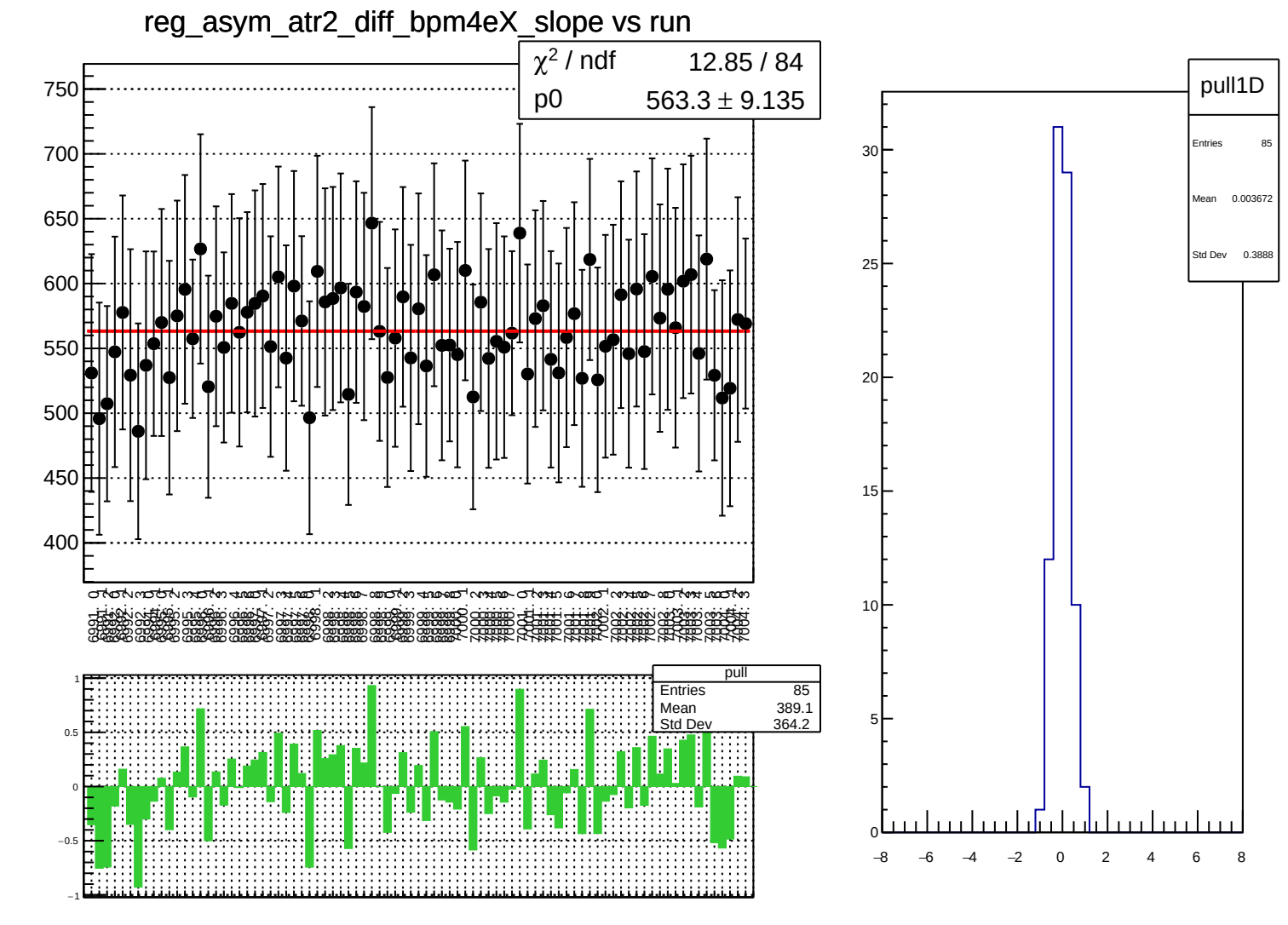

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 214.2 / 84
p0 −15.8 ± 0.1095
pull
Entries 85
Mean −306.3
Std Dev 321.8
pull1D
Entries 85
Mean 0.01941
Std Dev 1.587

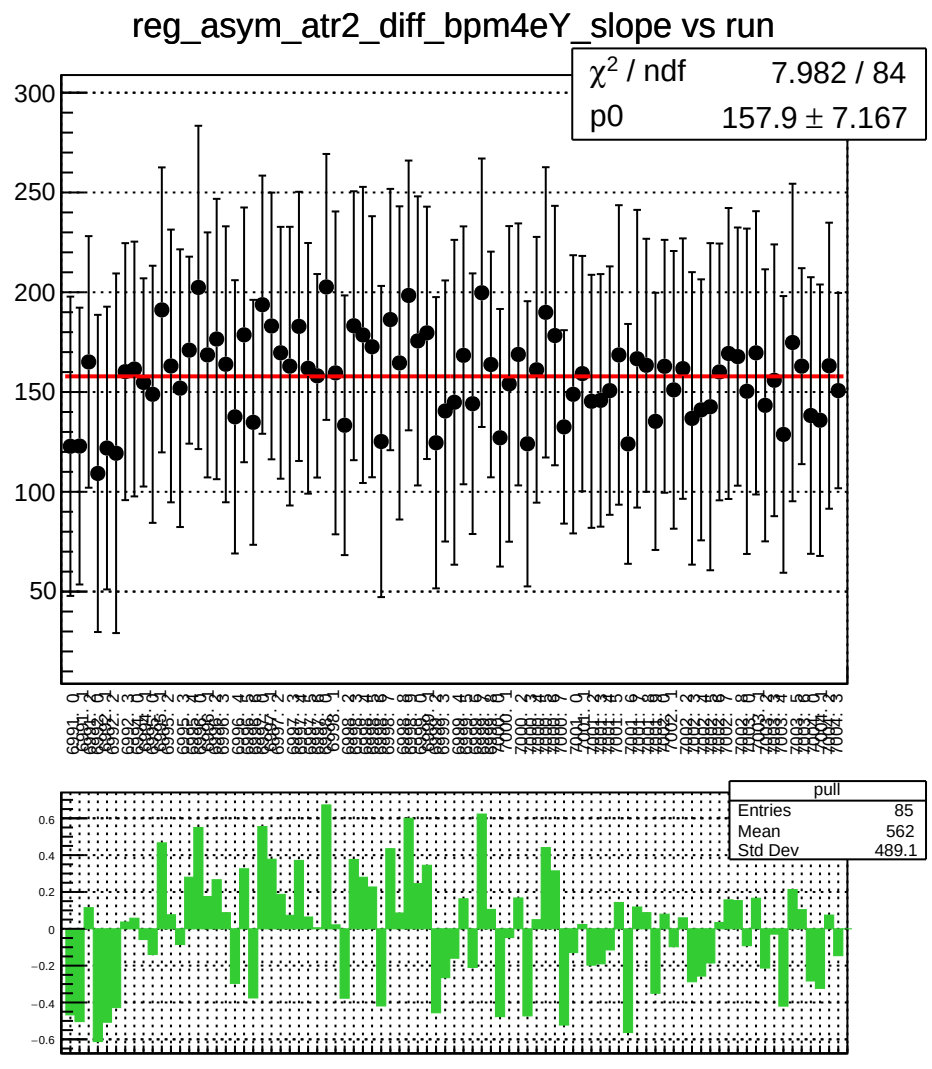

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 12.2 / 84
p0 −489.6 ± 9.893
pull
Entries 85
Mean 315.8
Std Dev 289.5

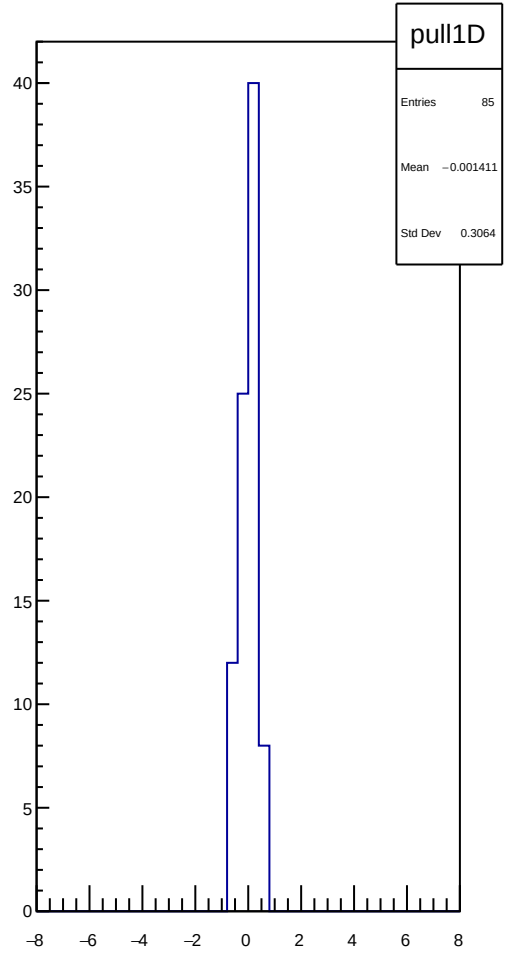

pull1D
Entries 85
Mean −0.003447
Std Dev 0.3788

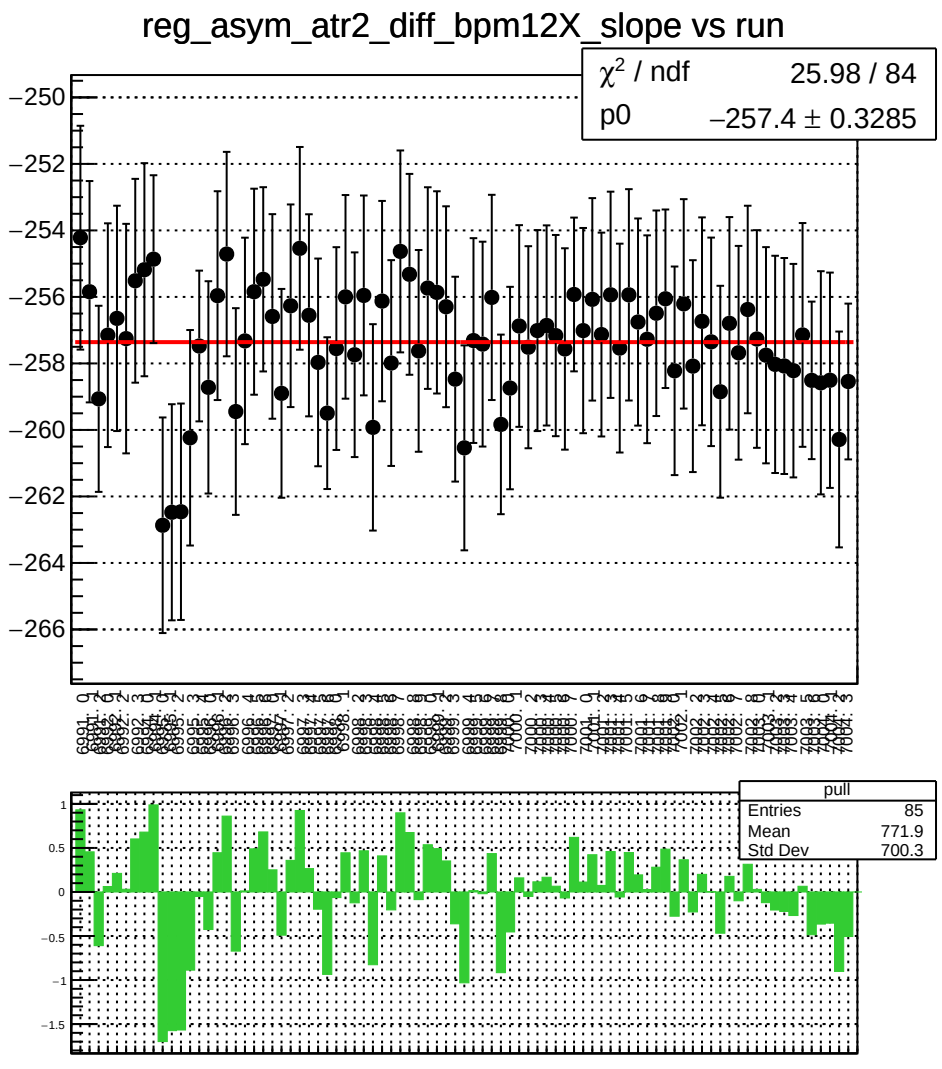

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 7.324 / 84
p0 −21.19 ± 6.795
pull
Entries 85
Mean 120.3
Std Dev 120.8

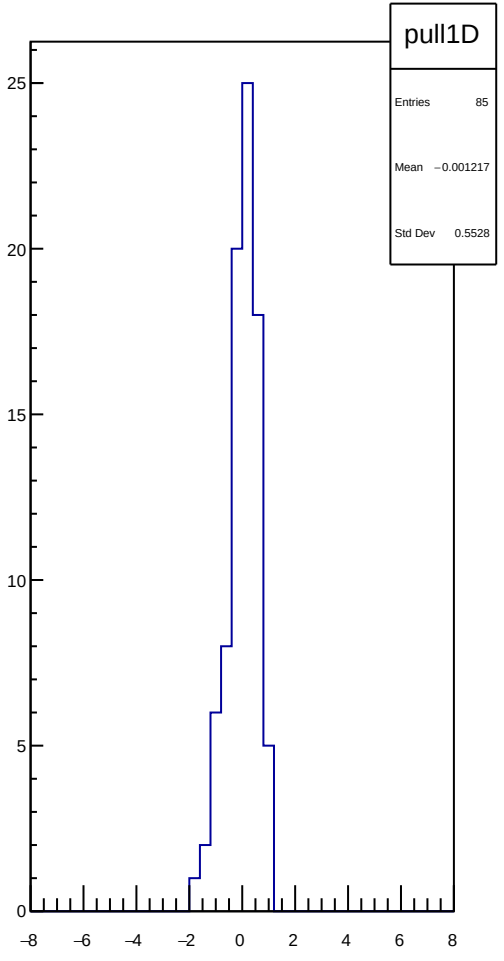

pull1D
Entries 85
Mean 0.001653
Std Dev 0.2935

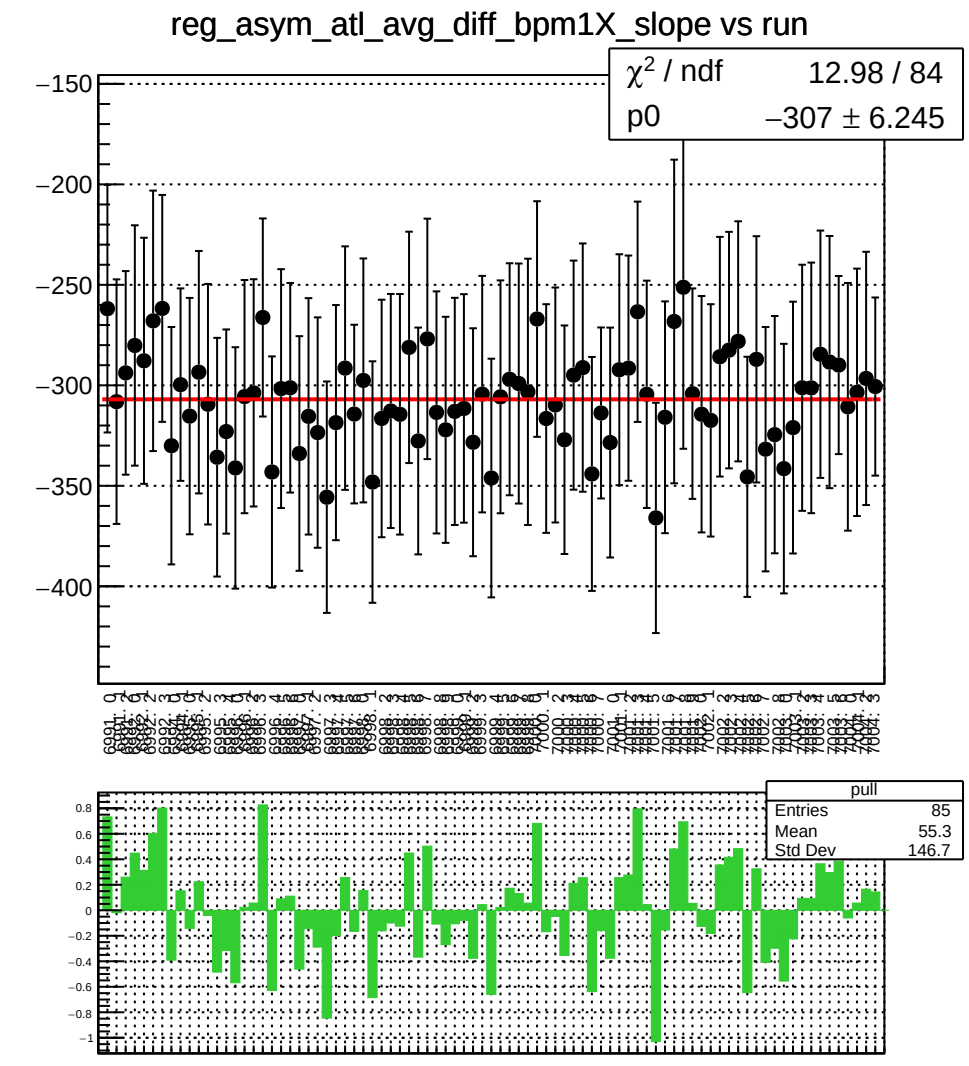

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 12.85 / 84
p0 563.3 ± 9.135
750
700
650
600
550
500
450
400
pull
Entries 85
Mean 389.1
Std Dev 364.2
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean 0.003672
Std Dev 0.3888
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

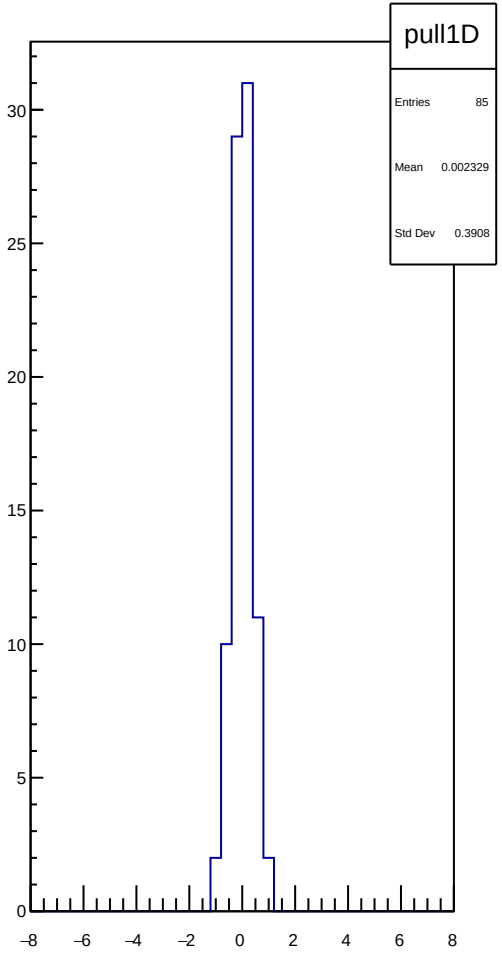

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 7.982 / 84
p0 157.9 ± 7.167
300
250
200
150
100
50
pull
Entries 85
Mean 562
Std Dev 489.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

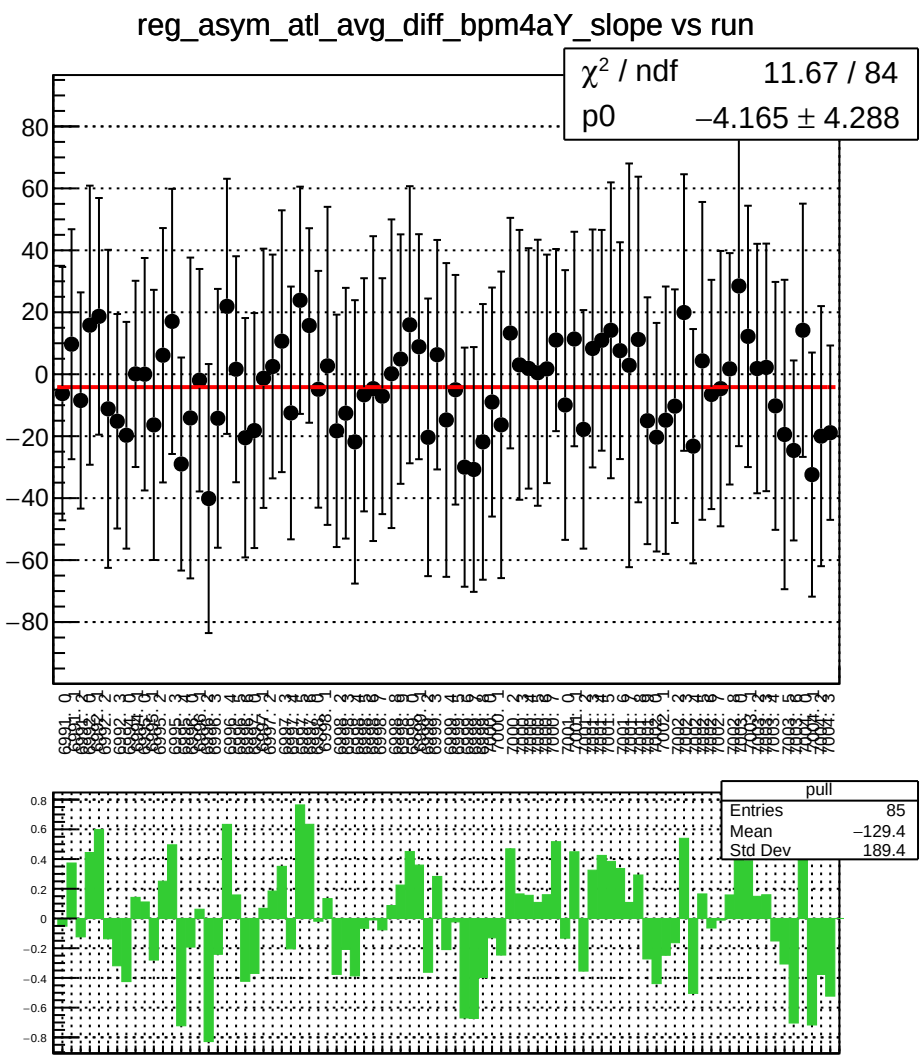

pull1D
Entries 85
Mean −0.001411
Std Dev 0.3064
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

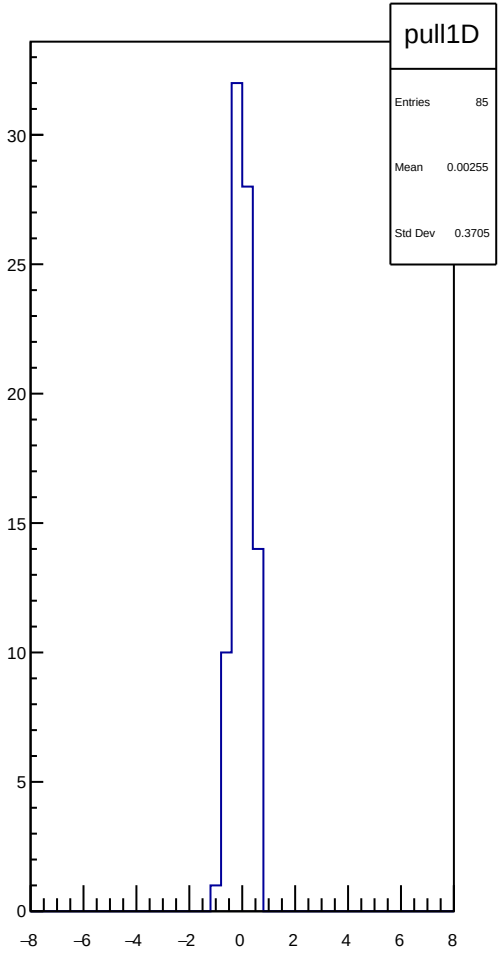

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 25.98 / 84
p0 −257.4 ± 0.3285
pull
Entries 85
Mean 771.9
Std Dev 700.3

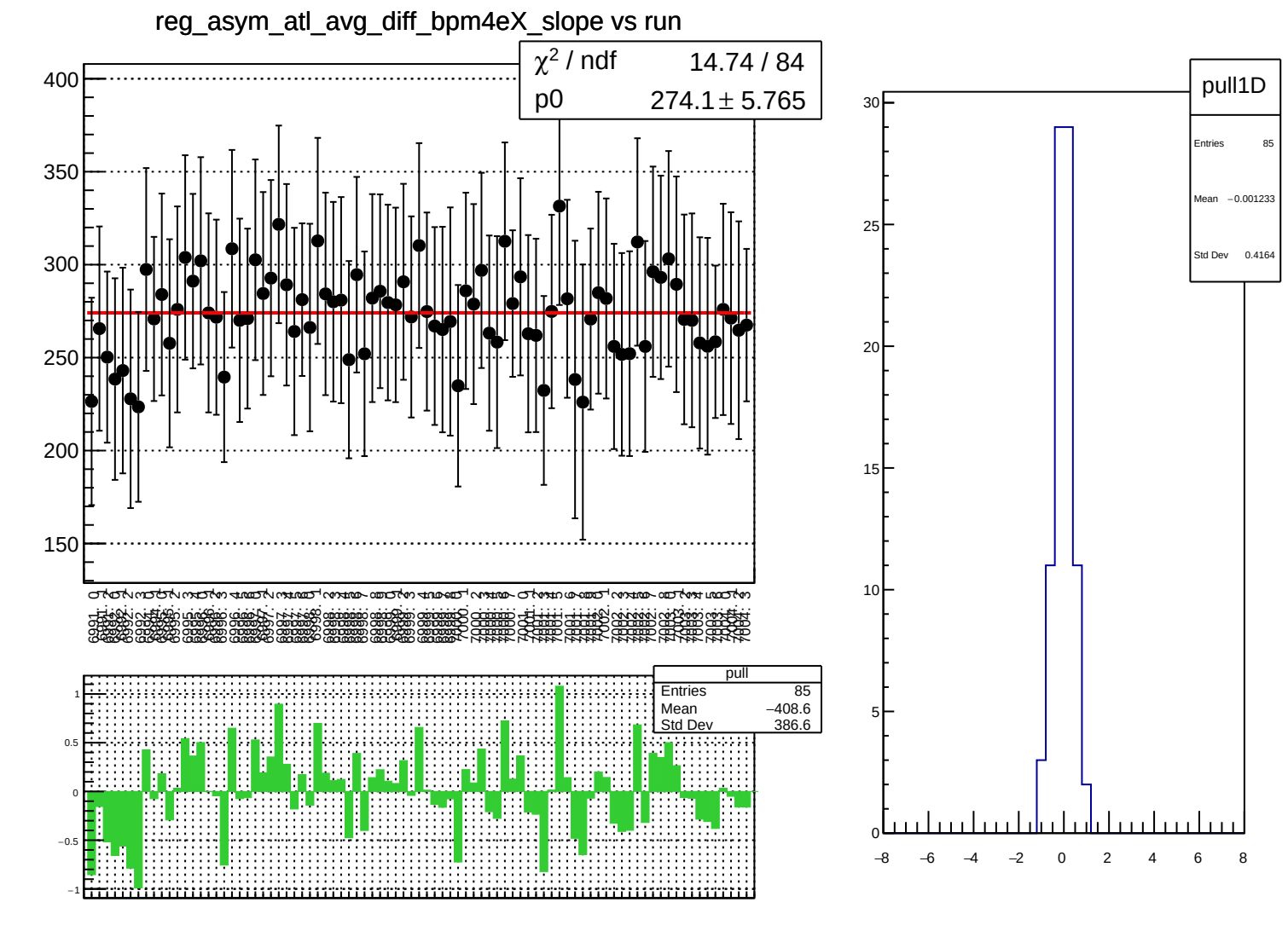

pull1D
Entries 85
Mean −0.001217
Std Dev 0.5528

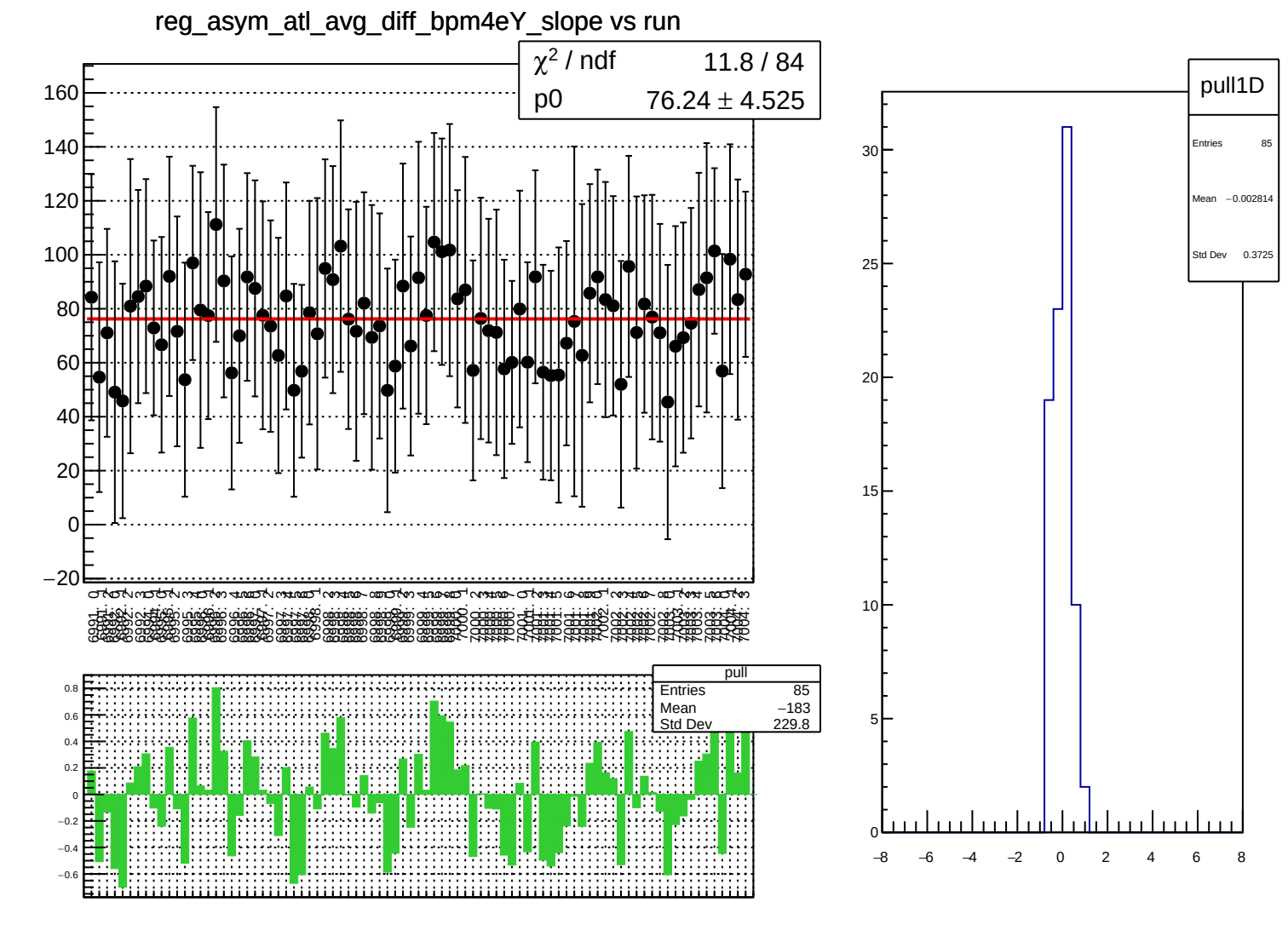

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 12.98 / 84
p0 −307 ± 6.245
pull
Entries 85
Mean 55.3
Std Dev 146.7

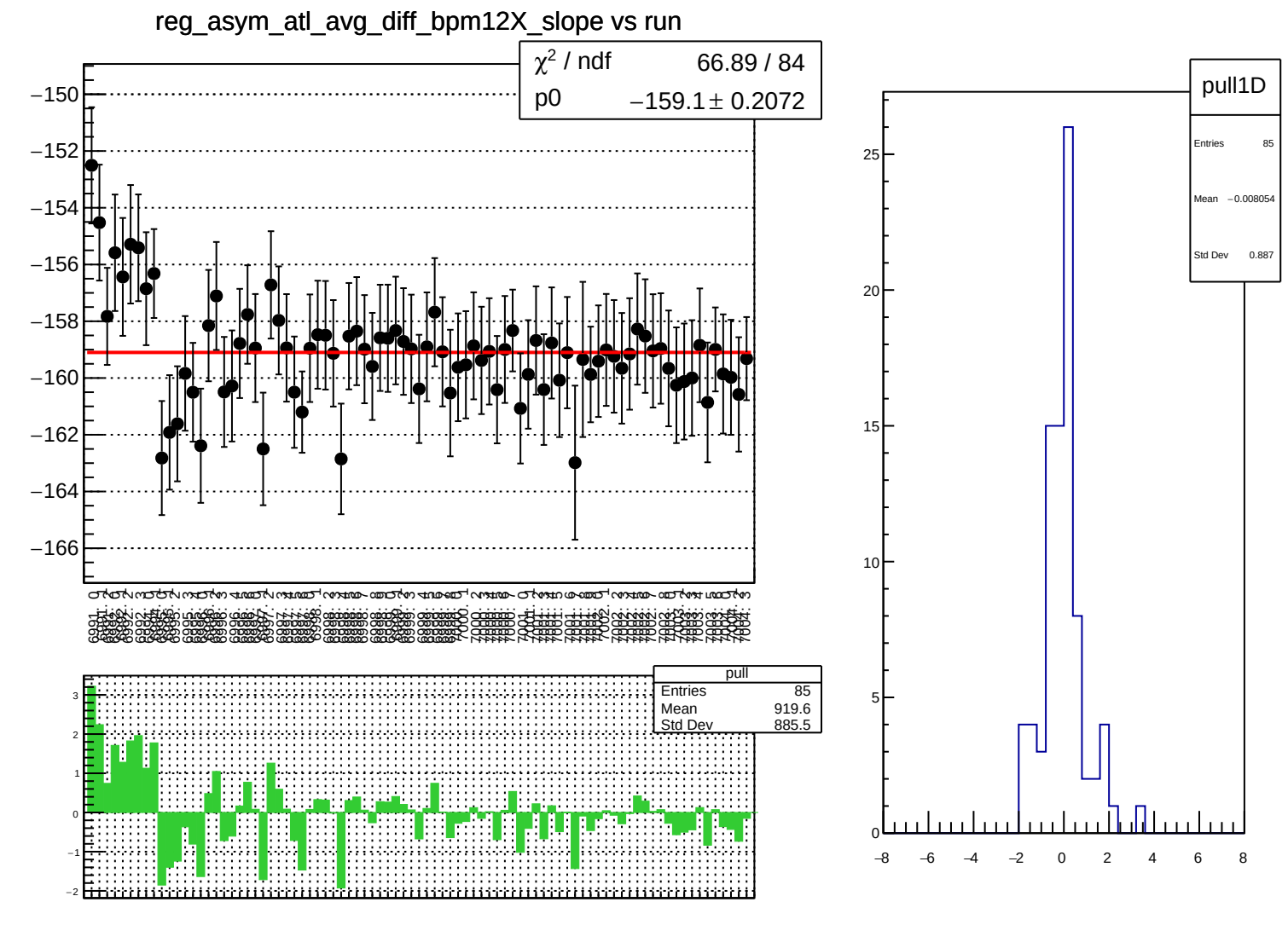

pull1D
Entries 85
Mean 0.002329
Std Dev 0.3908

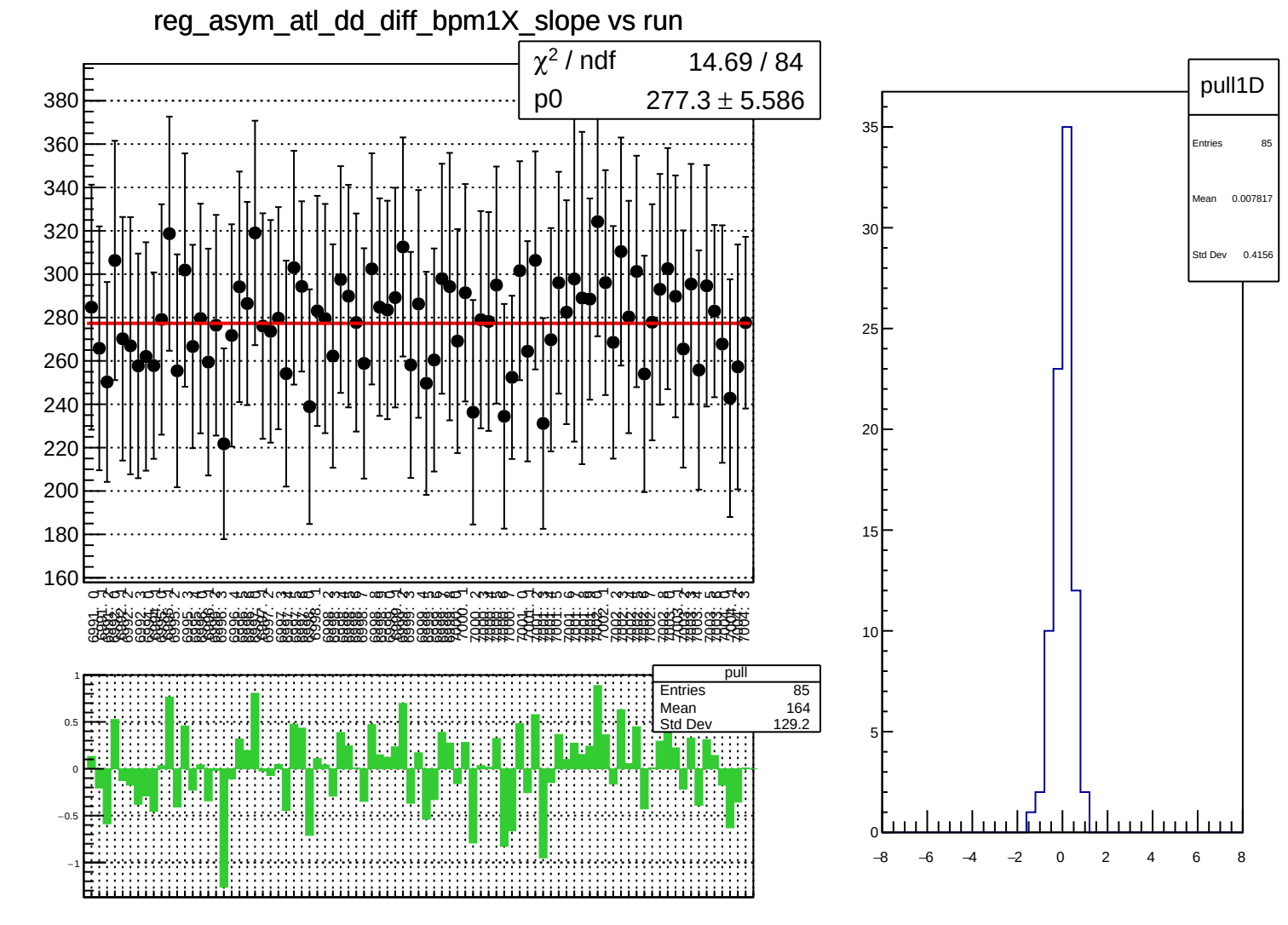

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.67 / 84
p0 −4.165 ± 4.288
pull
Entries 85
Mean −129.4
Std Dev 189.4

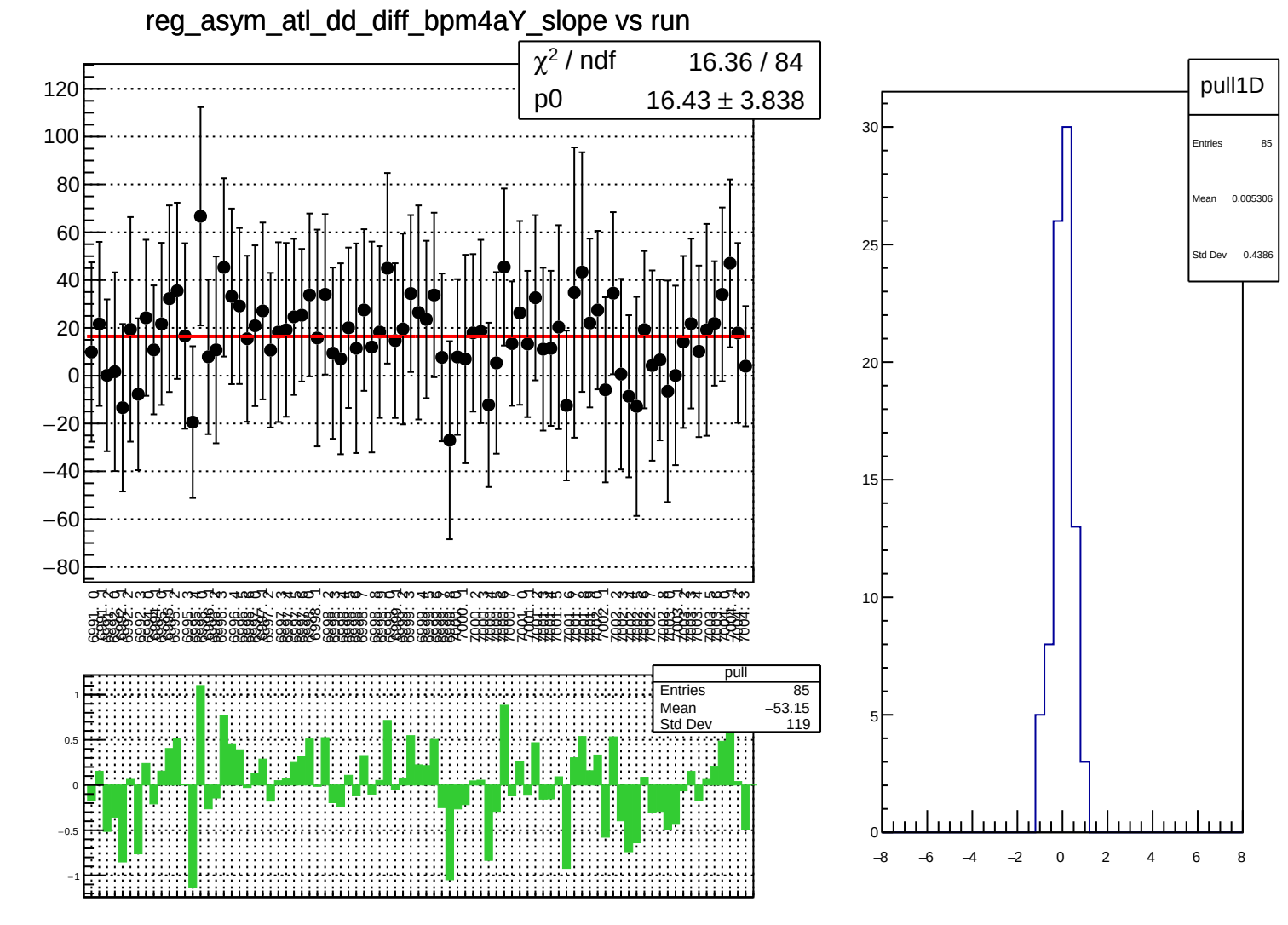

pull1D
Entries 85
Mean 0.00255
Std Dev 0.3705

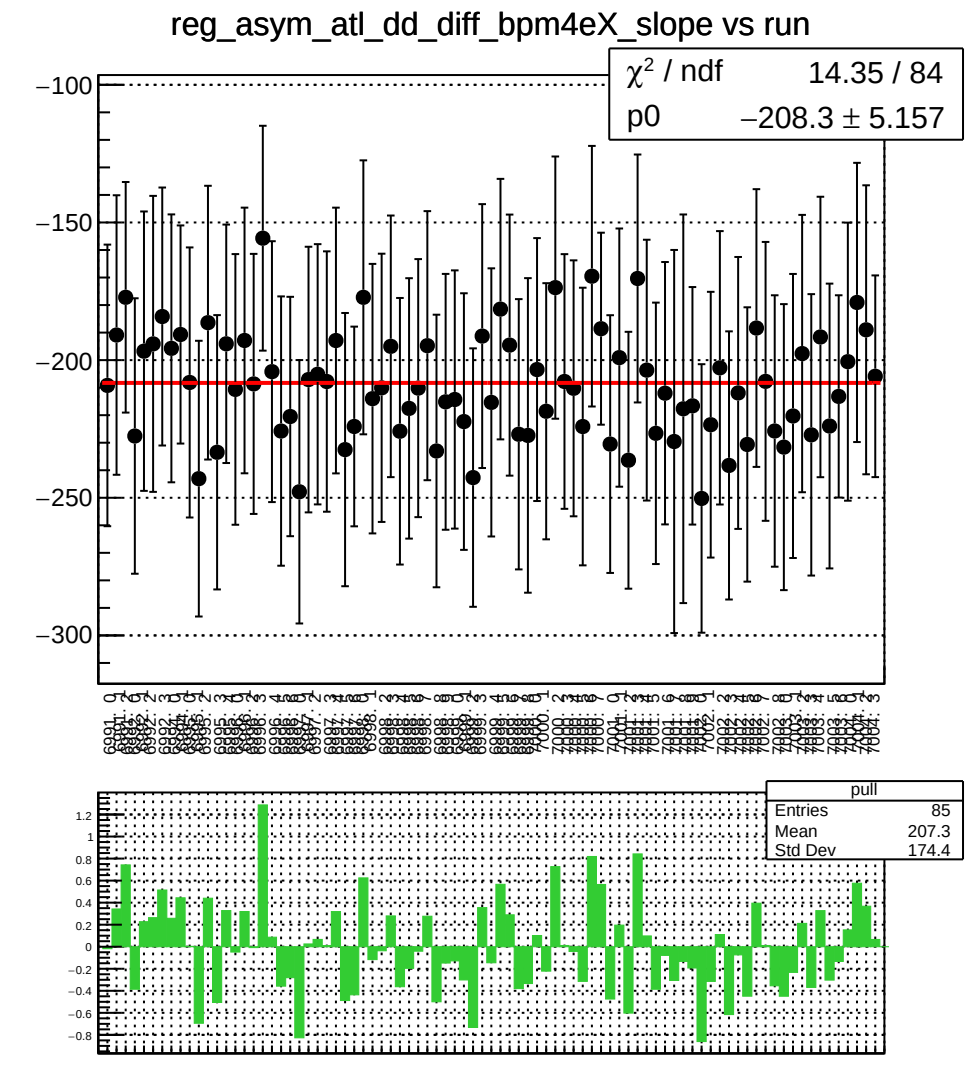

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.74 / 84
p0 274.1 ± 5.765
pull
Entries 85
Mean −408.6
Std Dev 386.6
pull1D
Entries 85
Mean −0.001233
Std Dev 0.4164

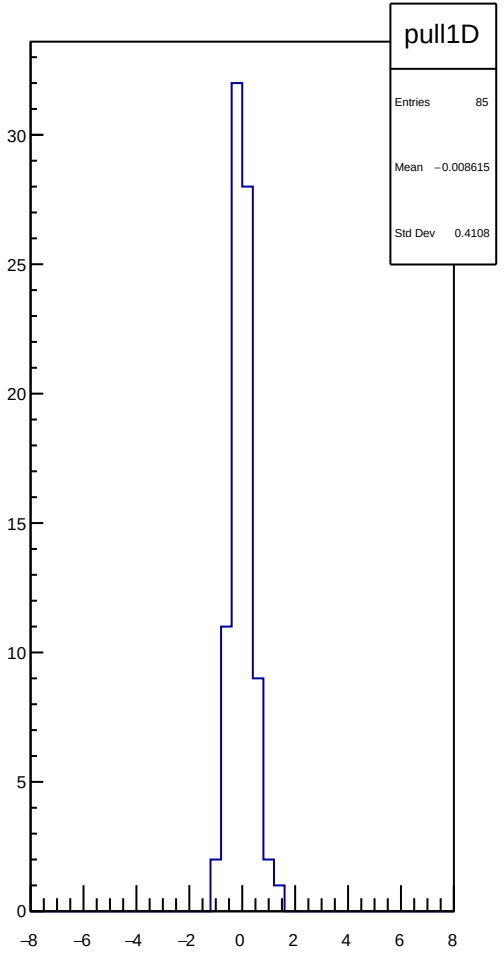

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.8 / 84
p0 76.24 ± 4.525
pull
Entries 85
Mean −183
Std Dev 229.8
pull1D
Entries 85
Mean −0.002814
Std Dev 0.3725

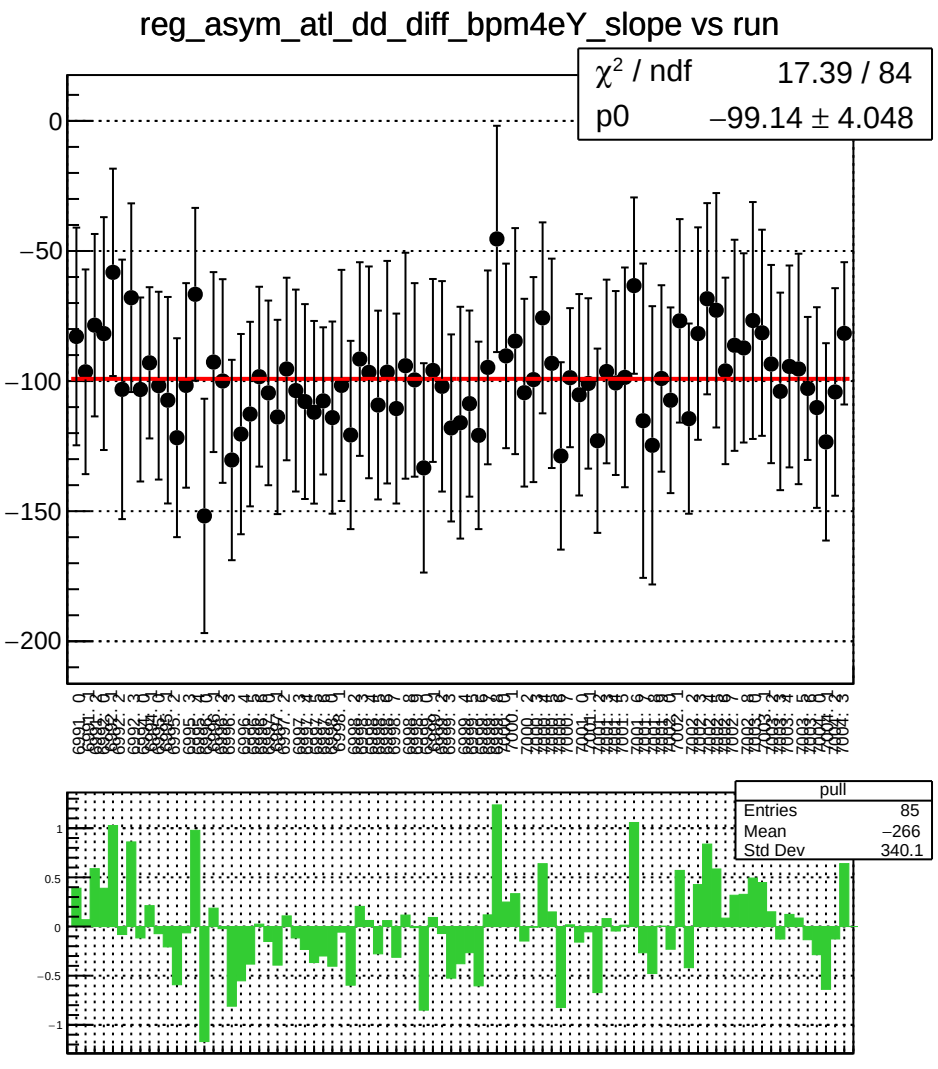

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 66.89 / 84
p0 −159.1 ± 0.2072
pull
Entries 85
Mean 919.6
Std Dev 885.5
pull1D
Entries 85
Mean −0.008054
Std Dev 0.887

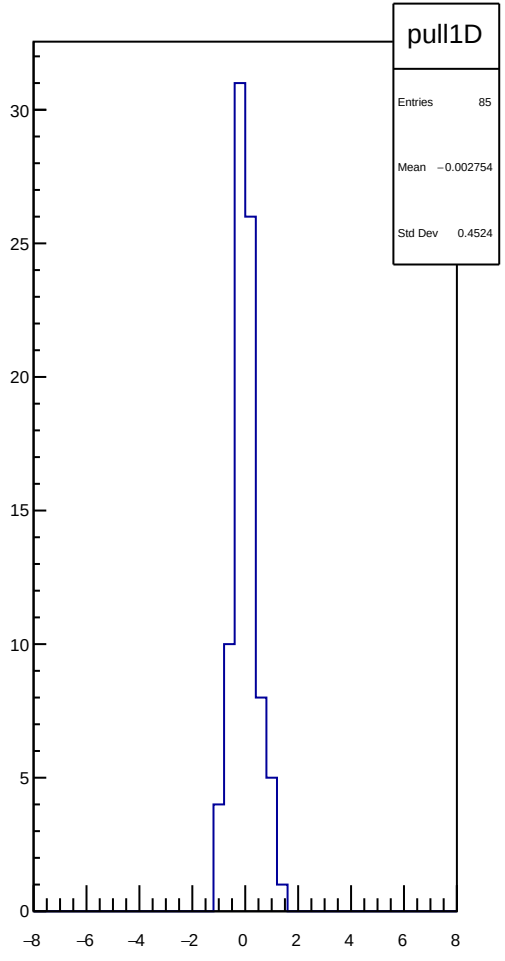

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 14.69 / 84
p0 277.3 ± 5.586
pull
Entries 85
Mean 164
Std Dev 129.2
pull1D
Entries 85
Mean 0.007817
Std Dev 0.4156

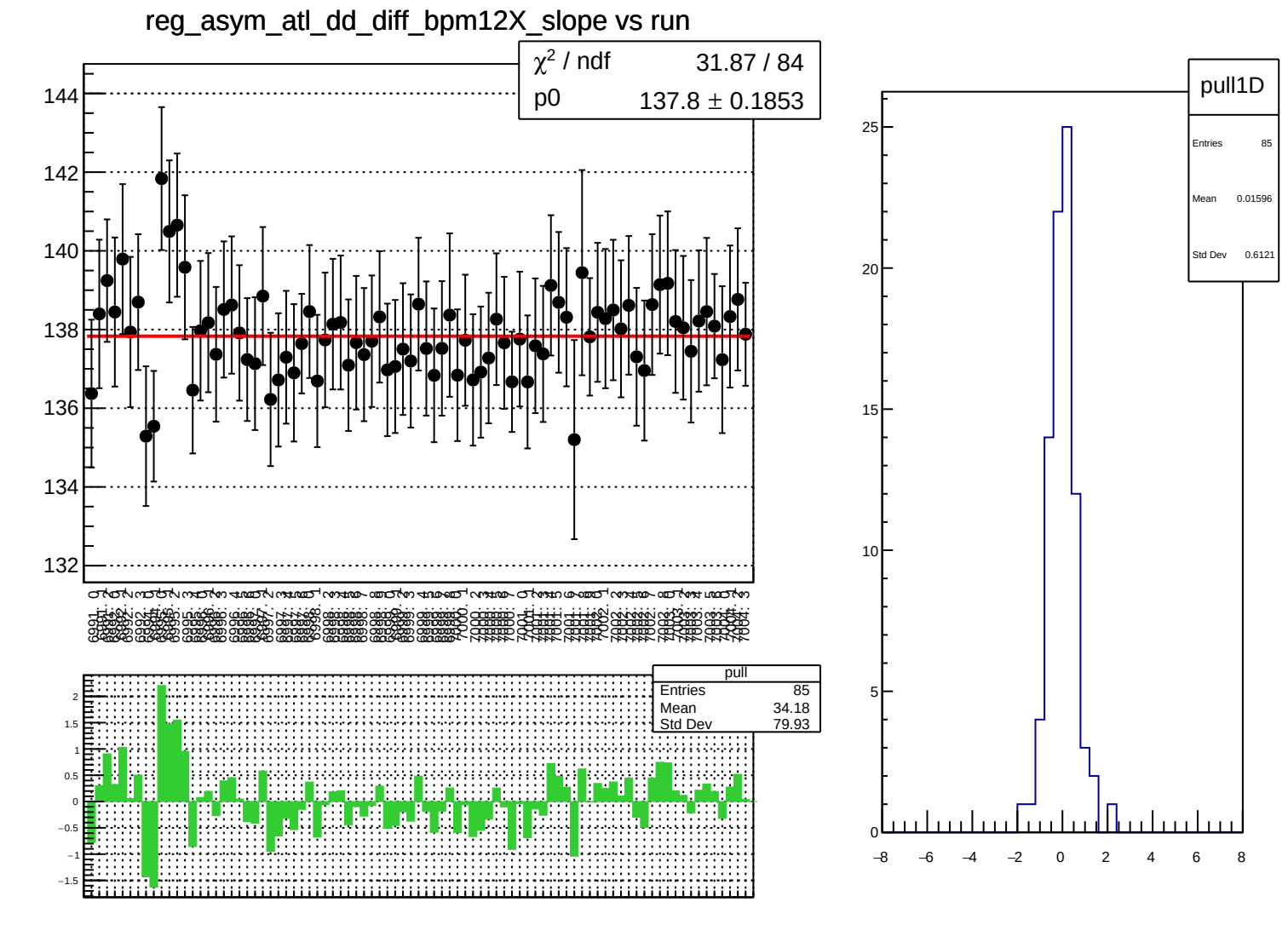

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.36 / 84
p0 16.43 ± 3.838
pull
Entries 85
Mean −53.15
Std Dev 119
pull1D
Entries 85
Mean 0.005306
Std Dev 0.4386

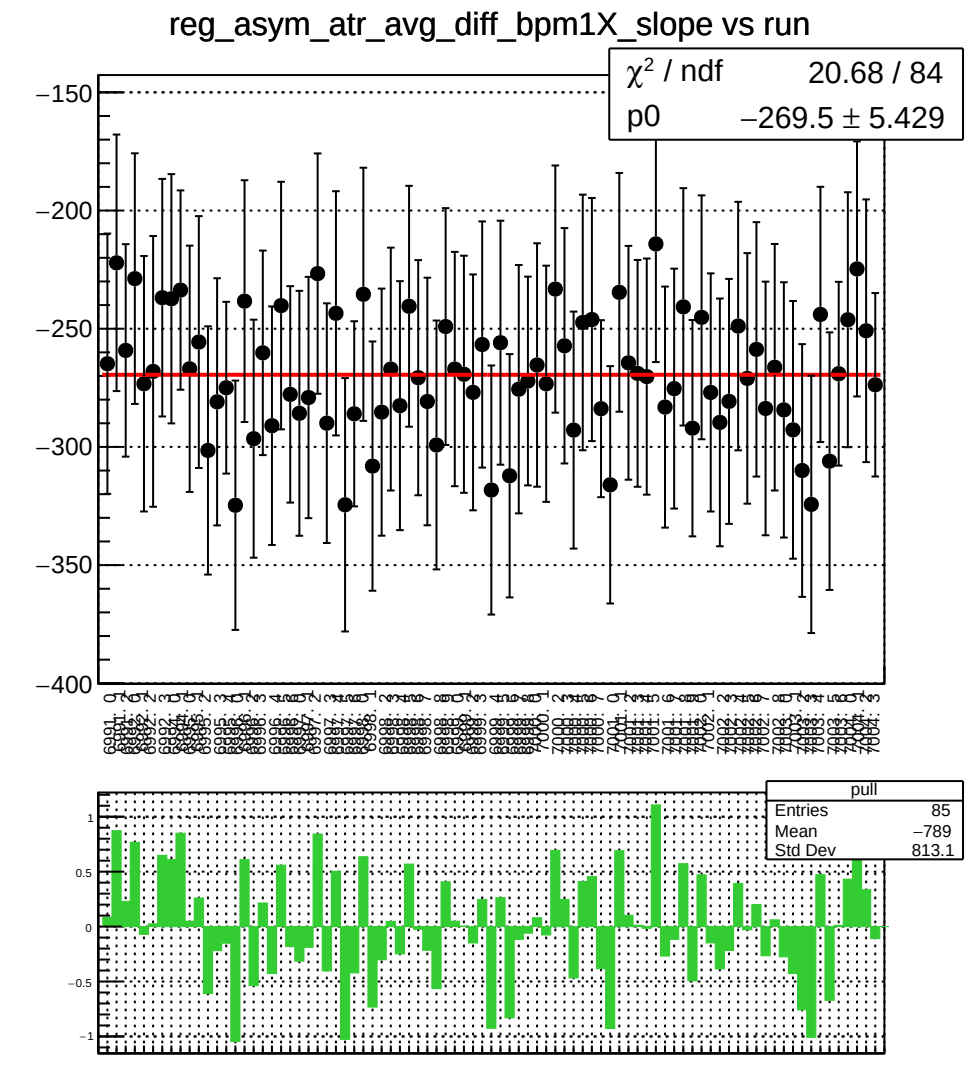

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.35 / 84
p0 −208.3 ± 5.157
−100
−150
−200
−250
−300
pull
Entries 85
Mean 207.3
Std Dev 174.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

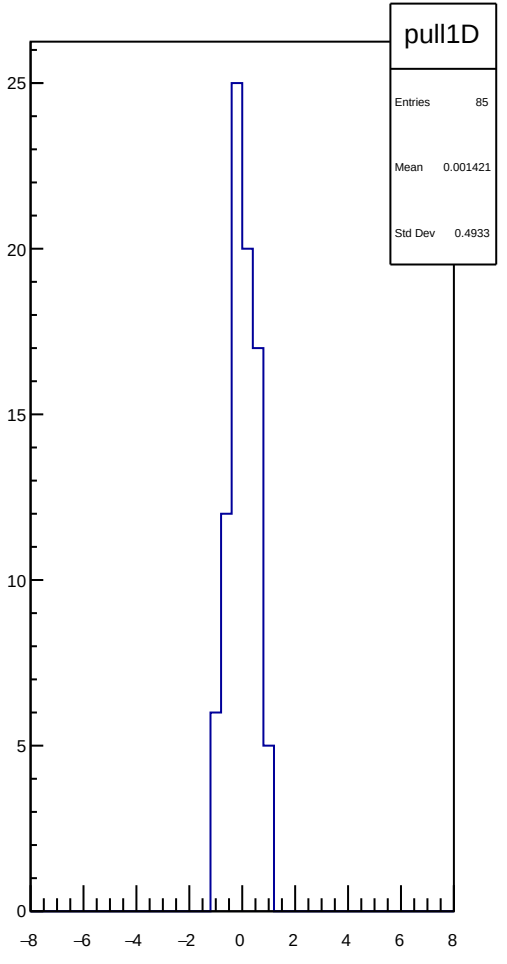

pull1D
Entries 85
Mean −0.008615
Std Dev 0.4108
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

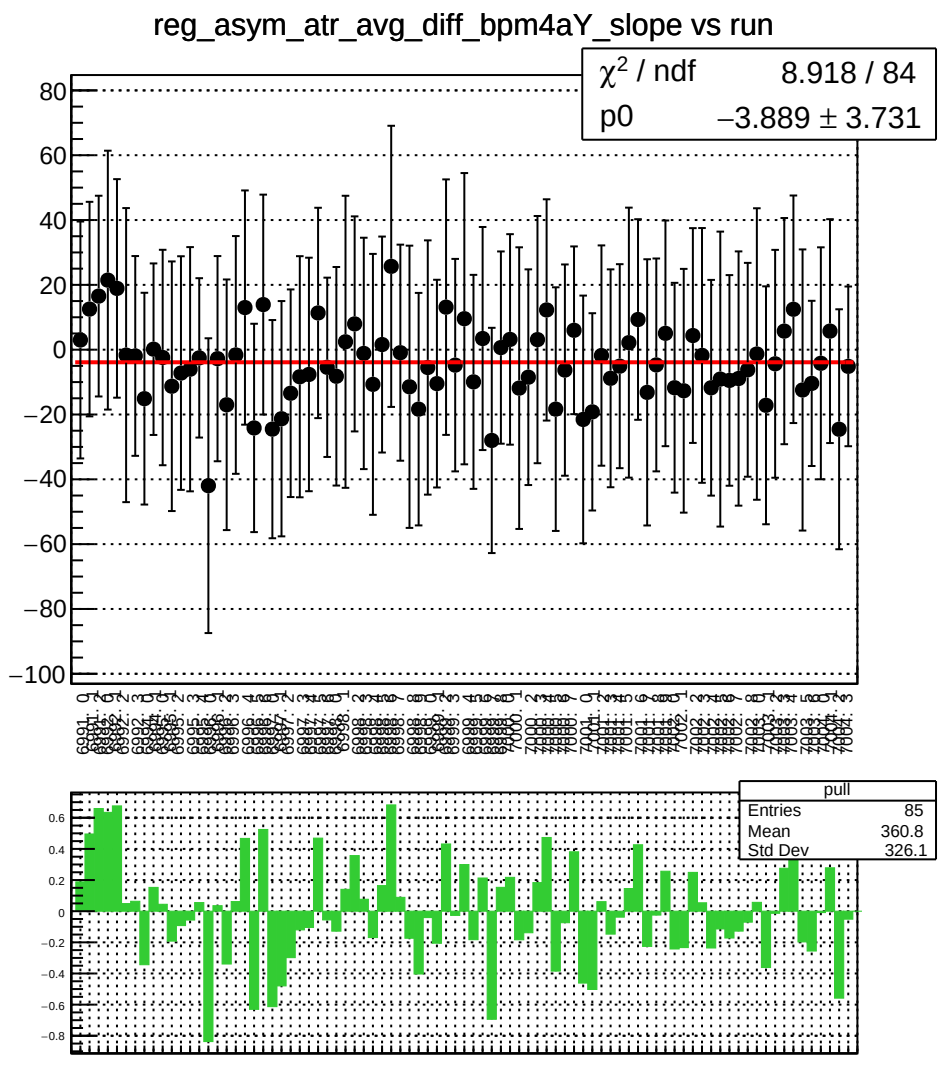

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.39 / 84
p0 −99.14 ± 4.048
0
−50
−100
−150
−200
pull
Entries 85
Mean −266
Std Dev 340.1
1
0.5
0
−0.5
−1

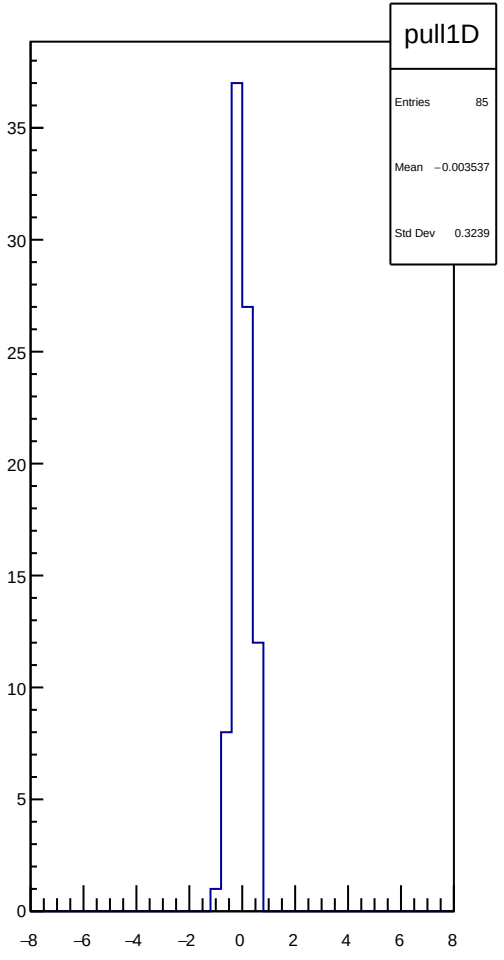

pull1D
Entries 85
Mean −0.002754
Std Dev 0.4524
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

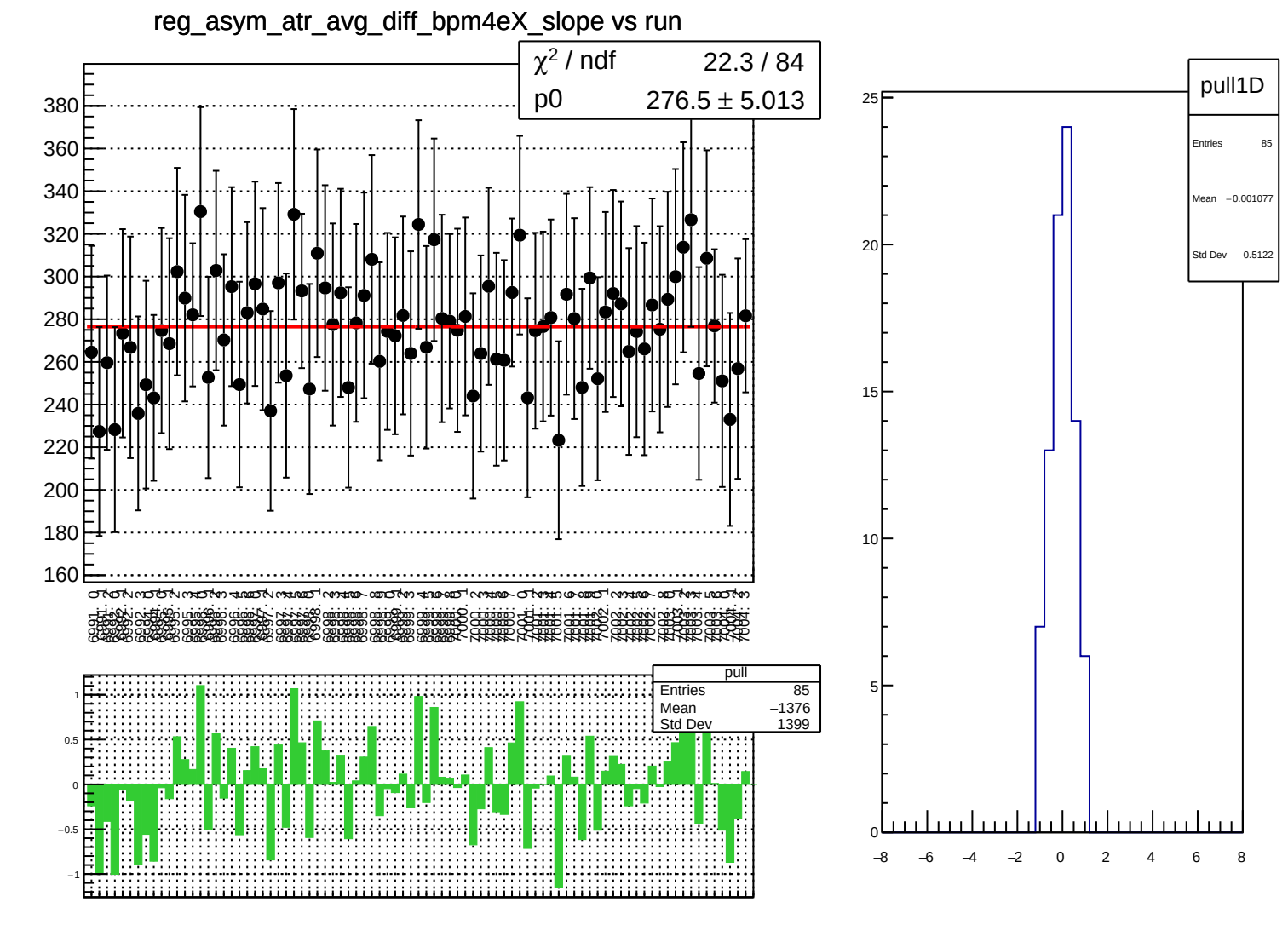

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 31.87 / 84
p0 137.8 ± 0.1853
144
142
140
138
136
134
132
pull
Entries 85
Mean 34.18
Std Dev 79.93
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean 0.01596
Std Dev 0.6121
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

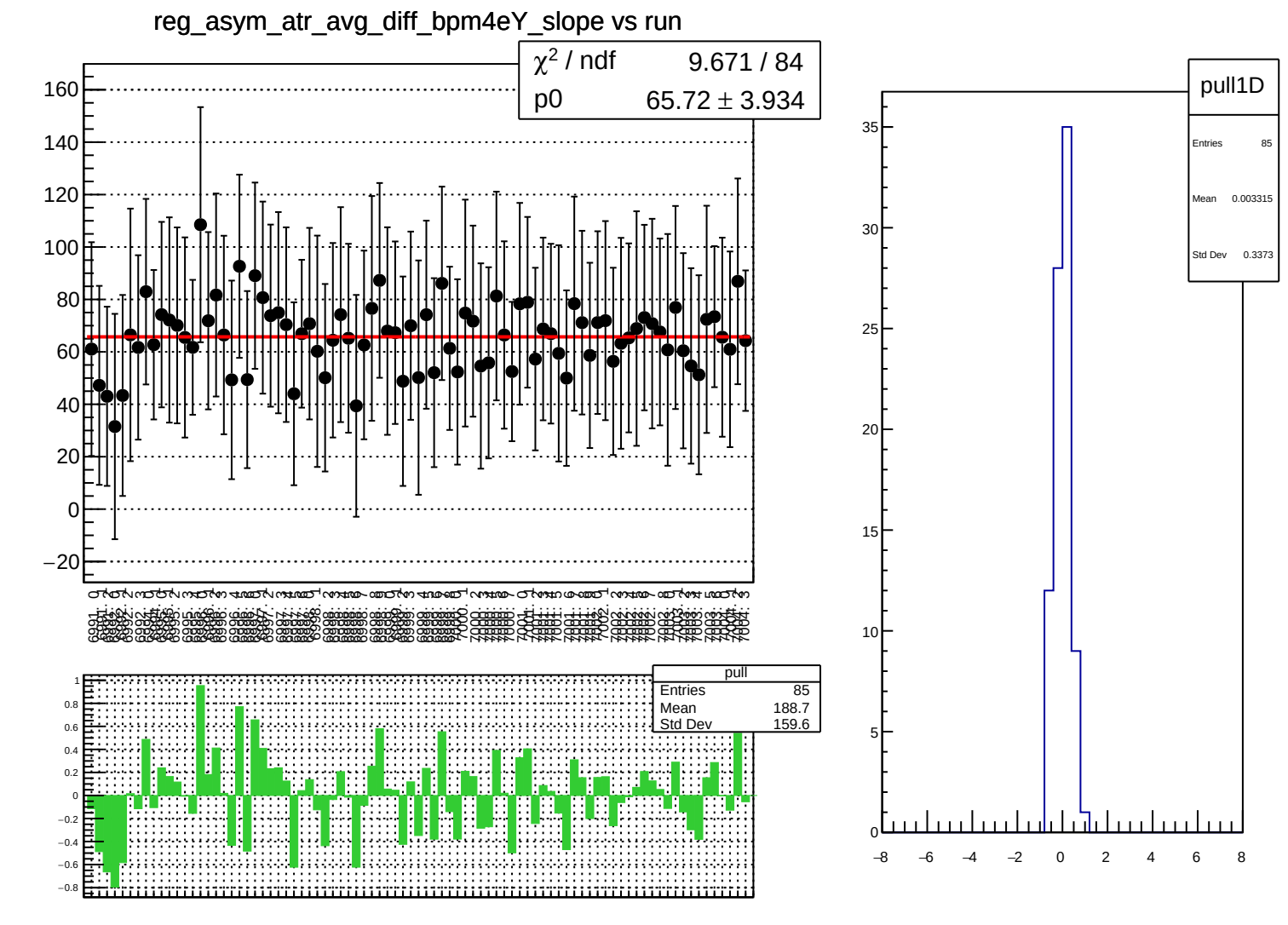

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 20.68 / 84
p0 −269.5 ± 5.429
−150
−200
−250
−300
−350
−400
pull
Entries 85
Mean −789
Std Dev 813.1
1
0.5
0
−0.5
−1

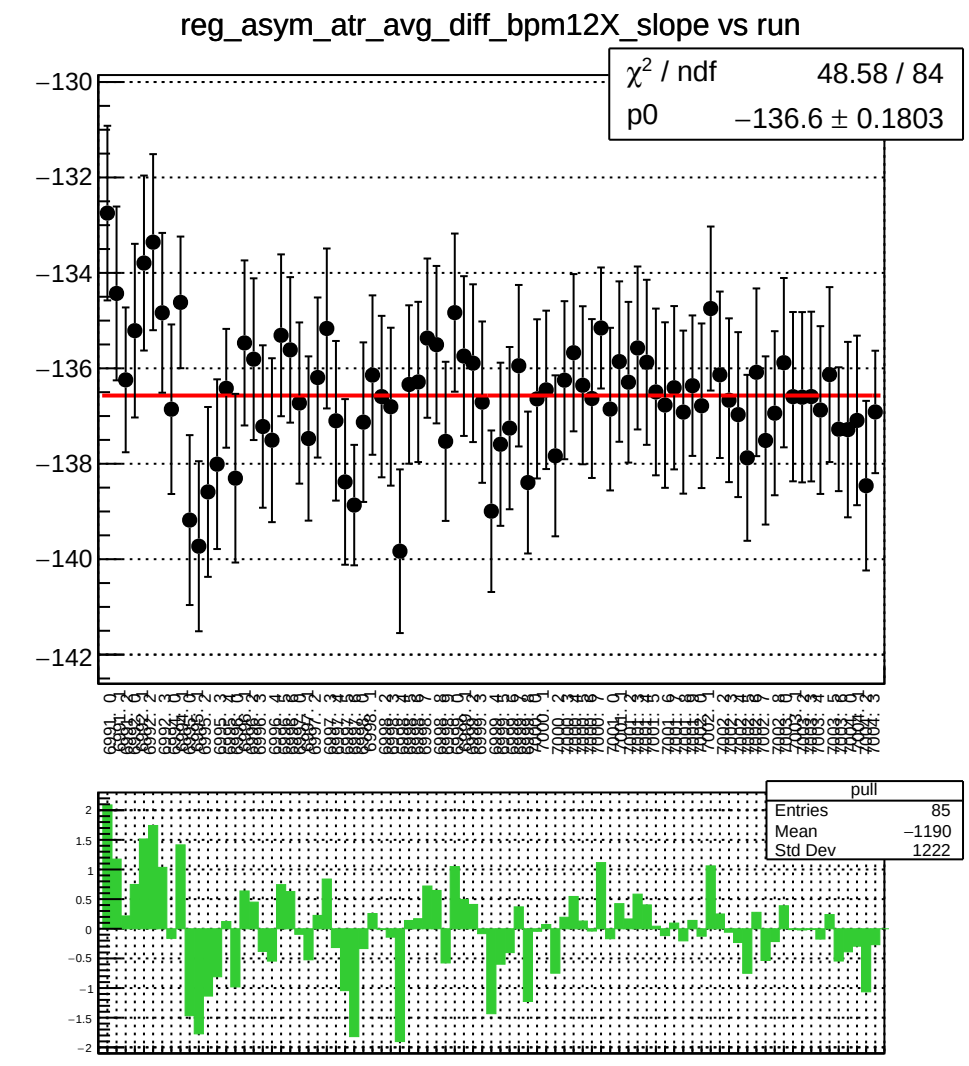

pull1D
Entries 85
Mean 0.001421
Std Dev 0.4933
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

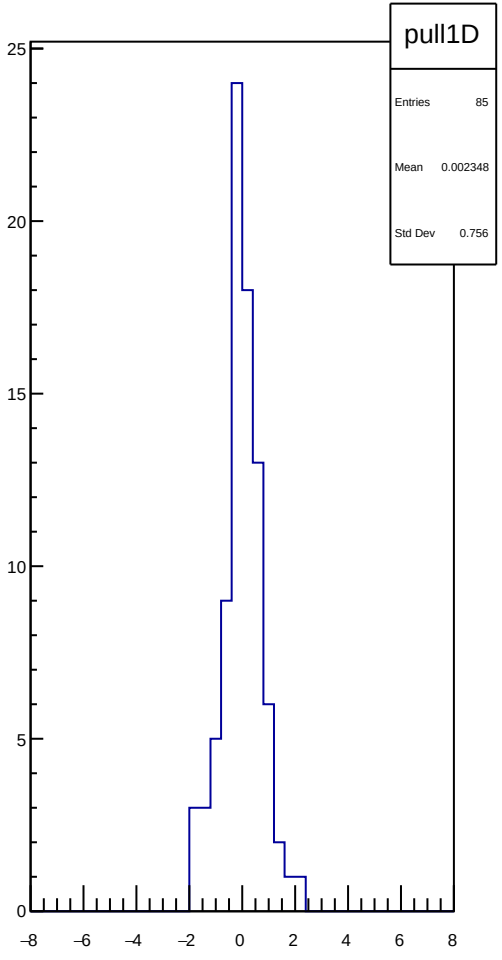

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.918 / 84
p0 −3.889 ± 3.731
pull
Entries 85
Mean 360.8
Std Dev 326.1

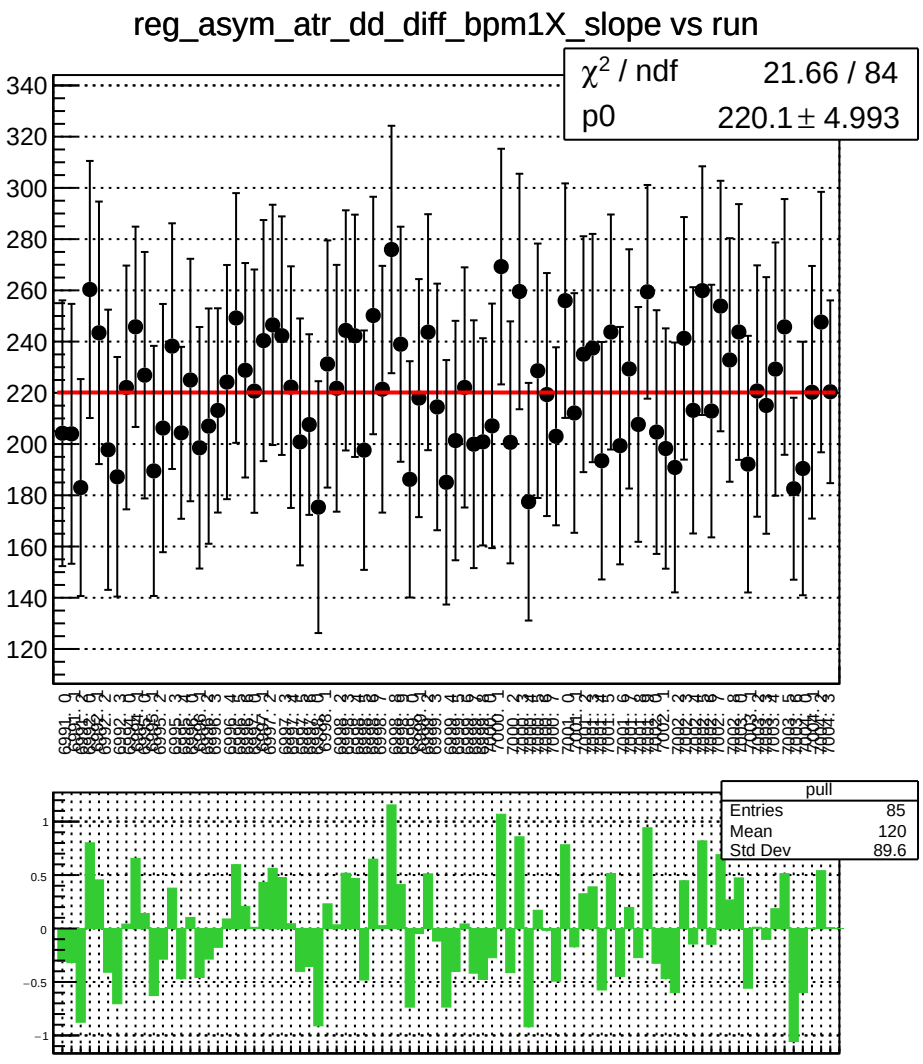

pull1D
Entries 85
Mean −0.003537
Std Dev 0.3239

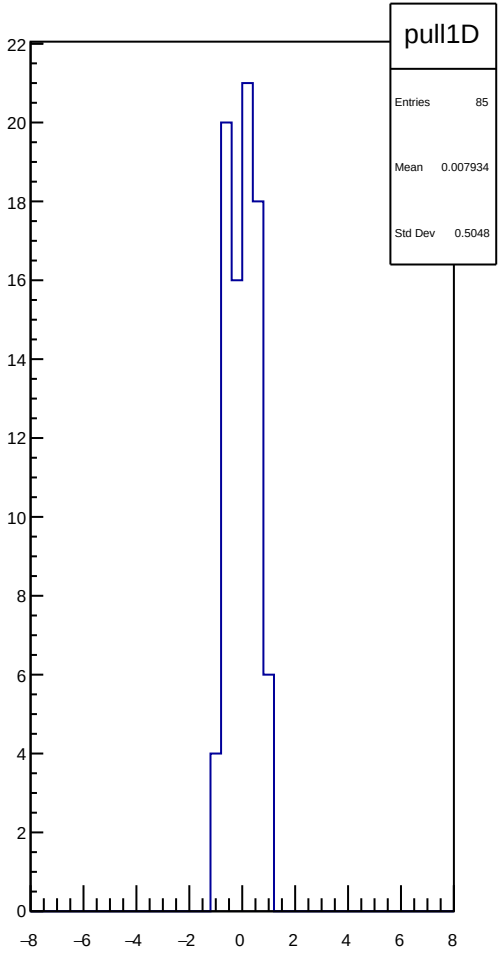

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.3 / 84
p0 276.5 ± 5.013
pull
Entries 85
Mean −1376
Std Dev 1399
pull1D
Entries 85
Mean −0.001077
Std Dev 0.5122

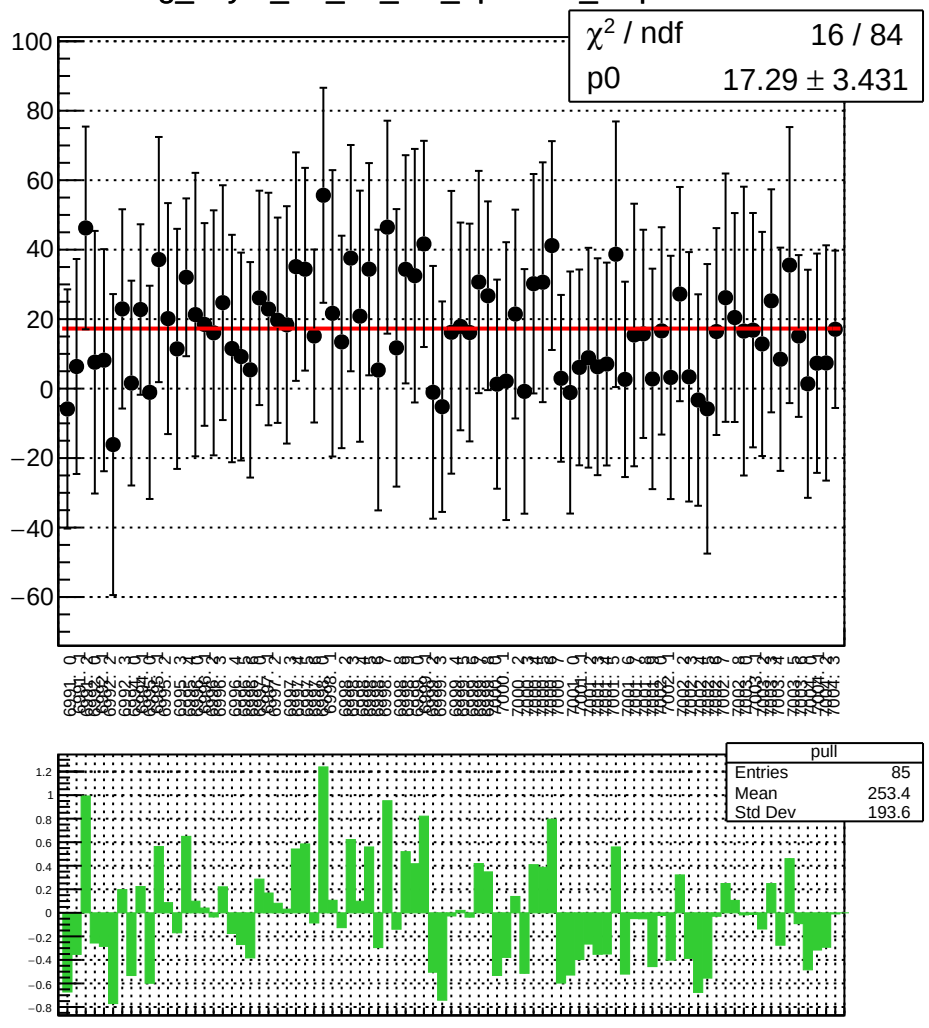

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.671 / 84
p0 65.72 ± 3.934
pull
Entries 85
Mean 188.7
Std Dev 159.6
pull1D
Entries 85
Mean 0.003315
Std Dev 0.3373

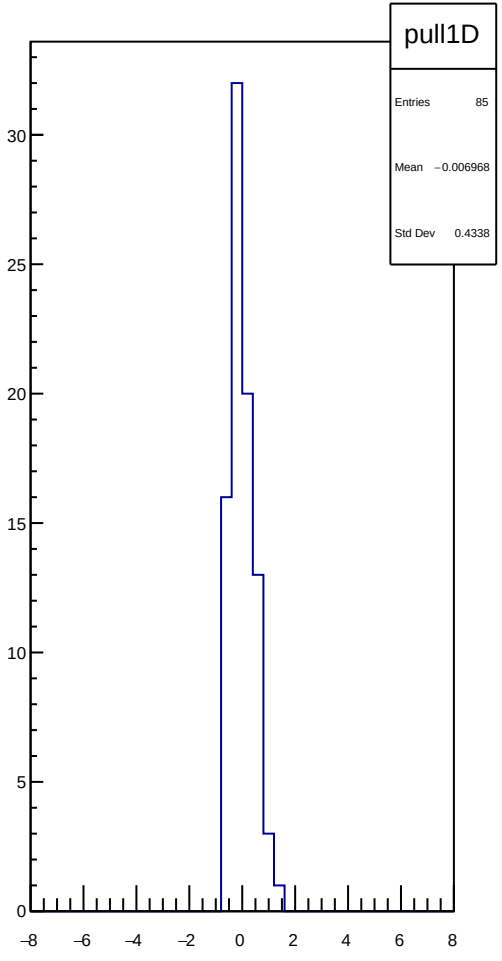

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 48.58 / 84
p0 −136.6 ± 0.1803
pull
Entries 85
Mean −1190
Std Dev 1222

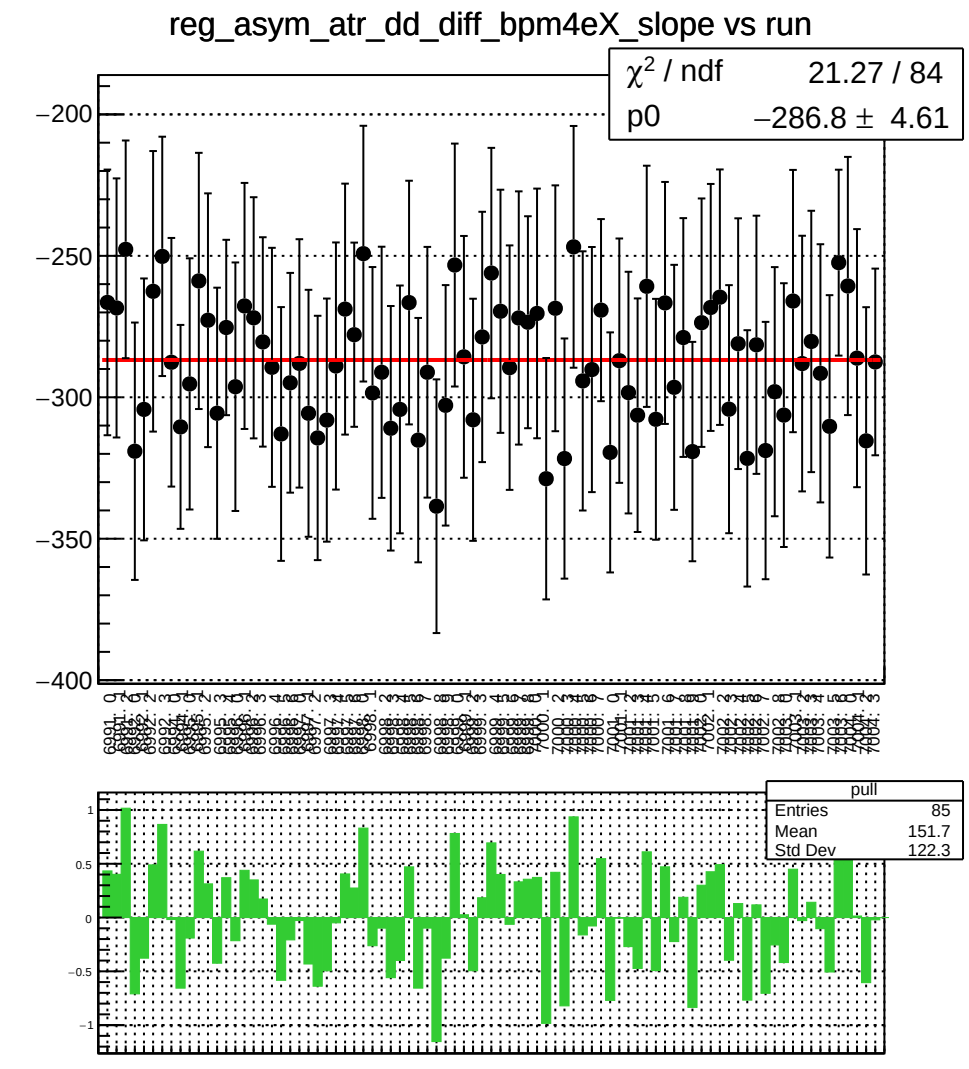

pull1D
Entries 85
Mean 0.002348
Std Dev 0.756

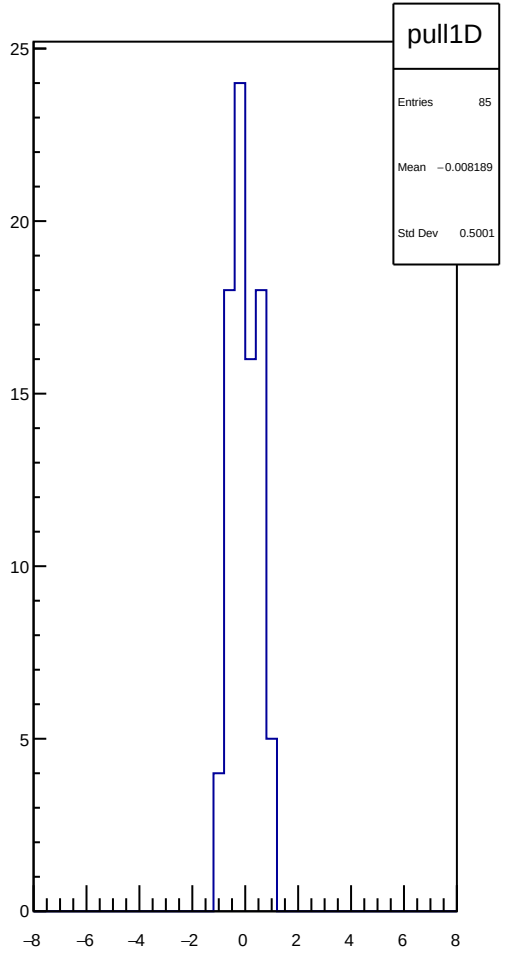

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 21.66 / 84
p0 220.1 ± 4.993
pull
Entries 85
Mean 120
Std Dev 89.6

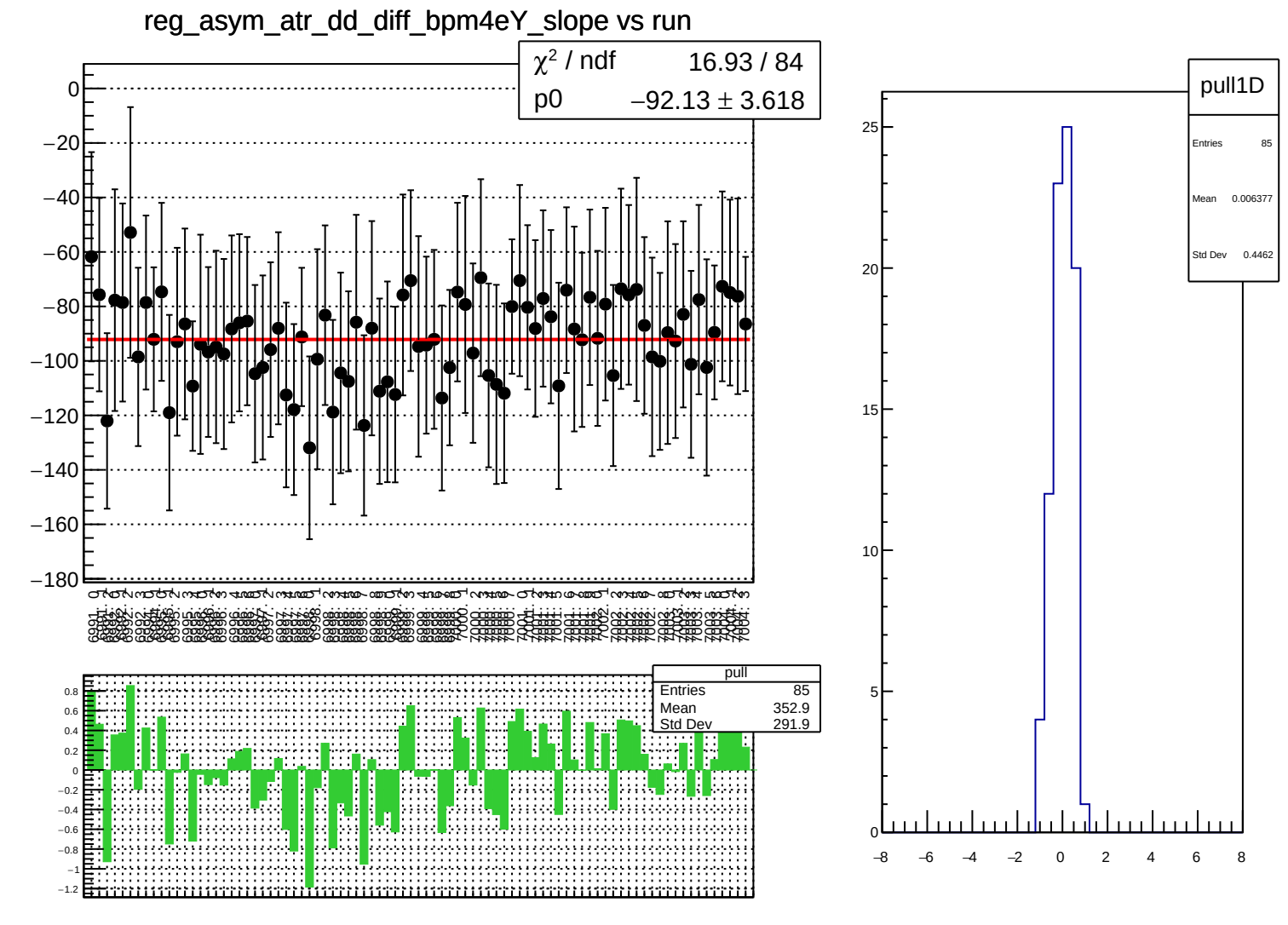

pull1D
Entries 85
Mean 0.007934
Std Dev 0.5048

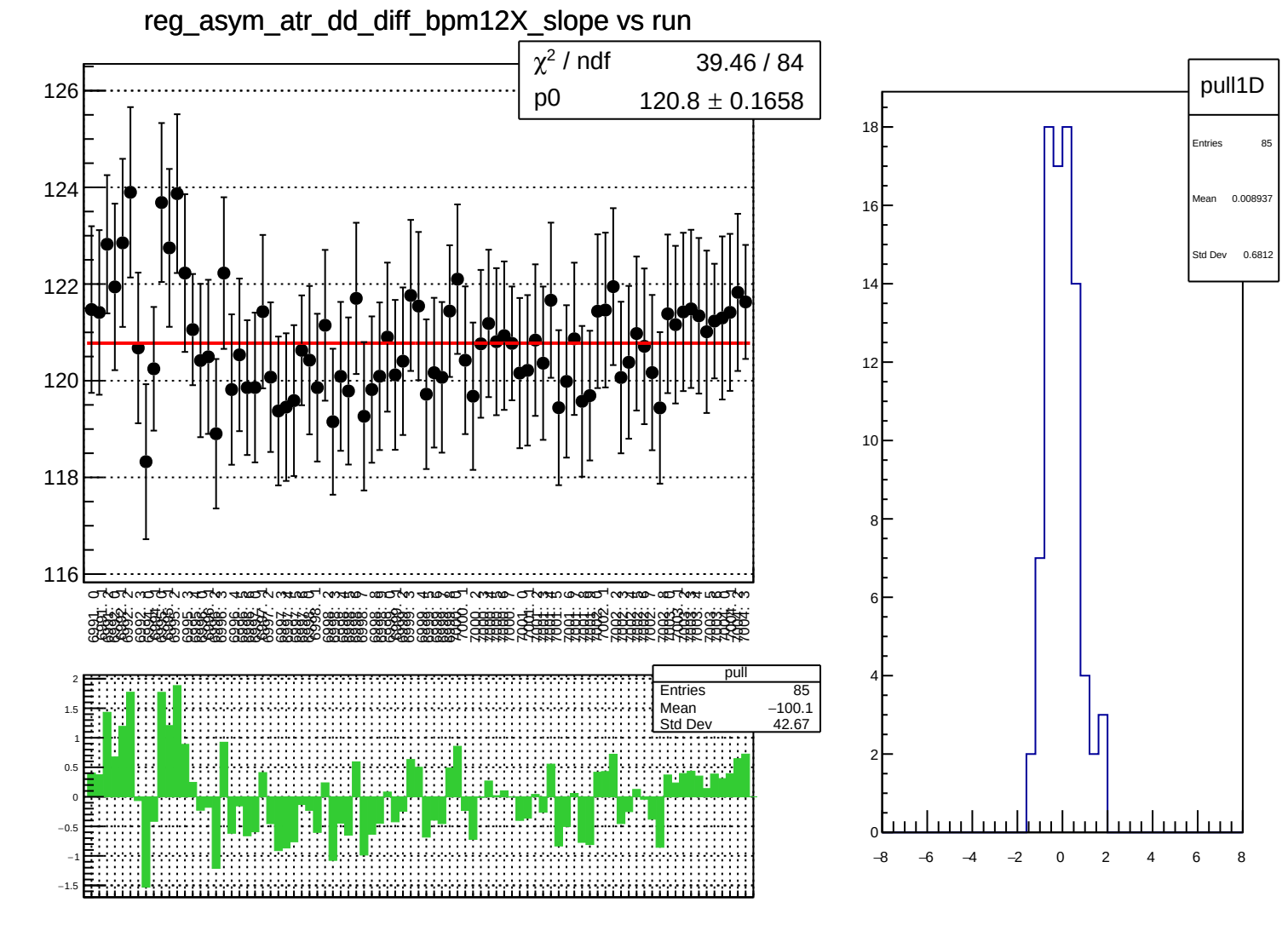

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 16 / 84
p0 17.29 ± 3.431
pull
Entries 85
Mean 253.4
Std Dev 193.6

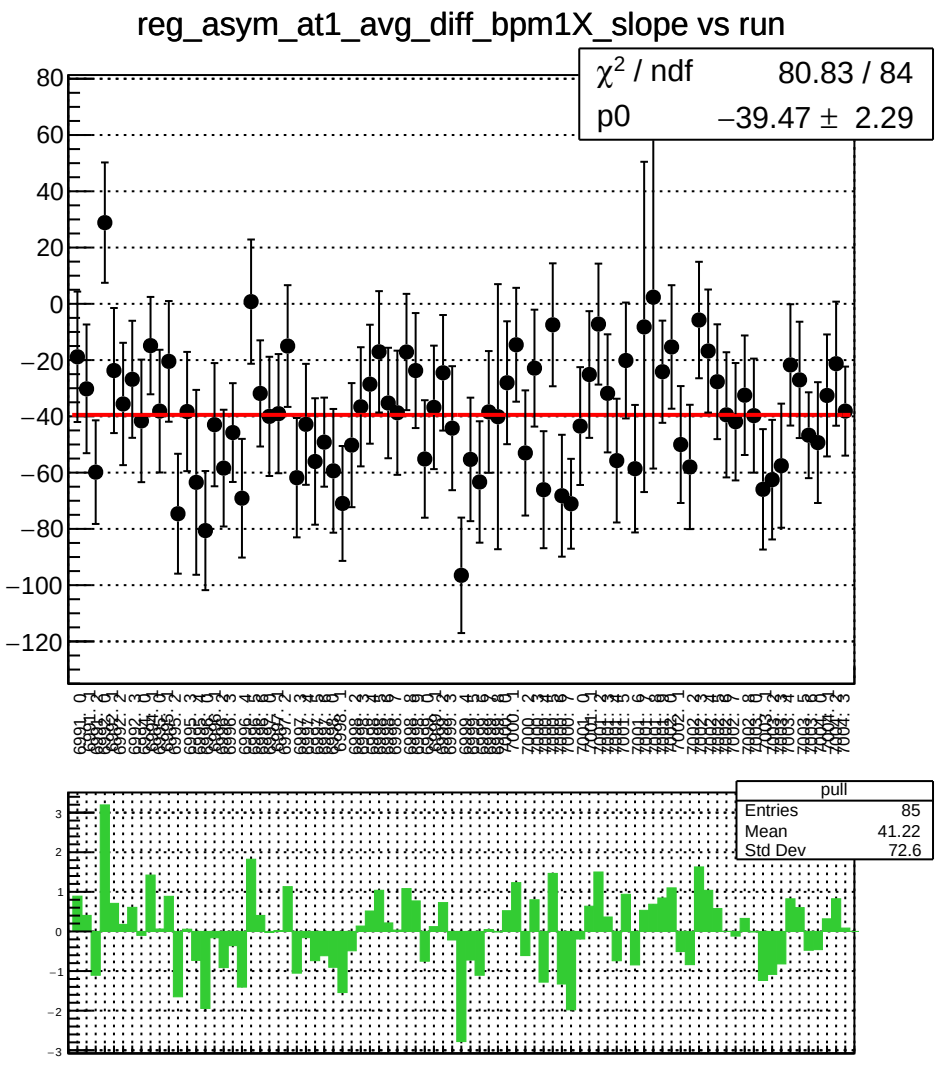

pull1D
Entries 85
Mean −0.006968
Std Dev 0.4338

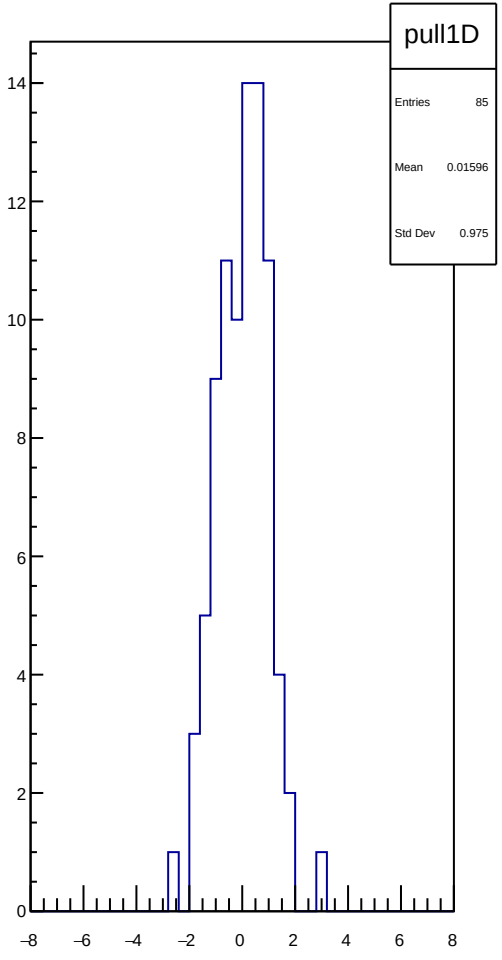

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.27 / 84
p0 −286.8 ± 4.61
−200
−250
−300
−350
−400
pull
Entries 85
Mean 151.7
Std Dev 122.3
1
0.5
0
−0.5
−1

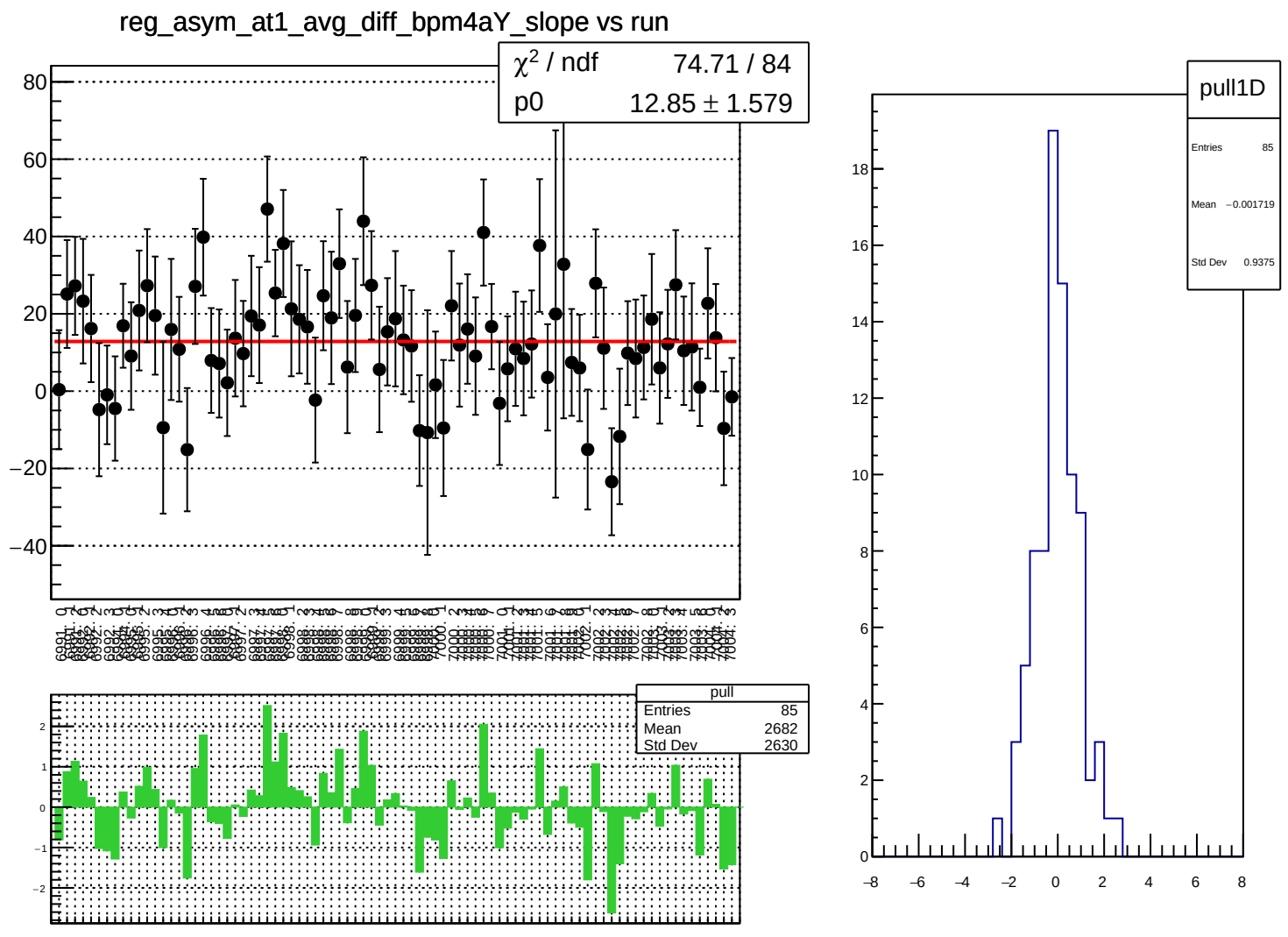

pull1D
Entries 85
Mean −0.008189
Std Dev 0.5001
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

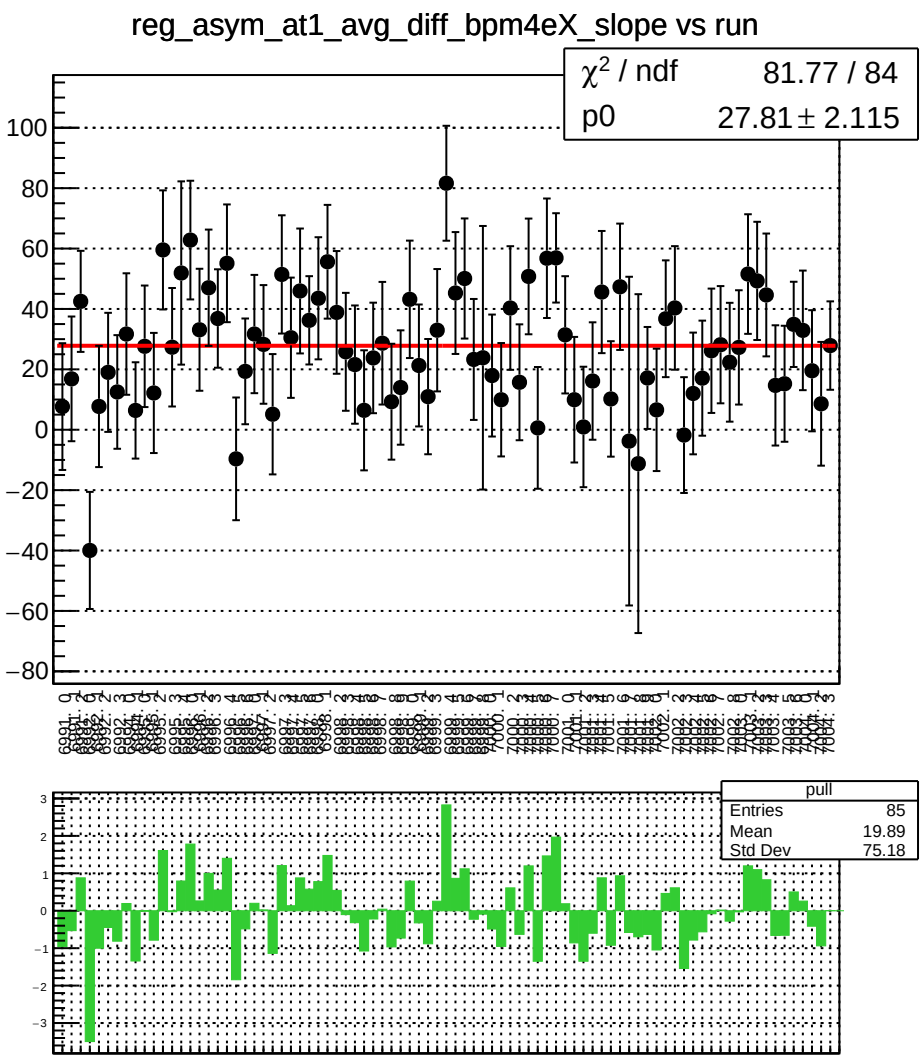

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.93 / 84
p0 −92.13 ± 3.618
pull
Entries 85
Mean 352.9
Std Dev 291.9
pull1D
Entries 85
Mean 0.006377
Std Dev 0.4462

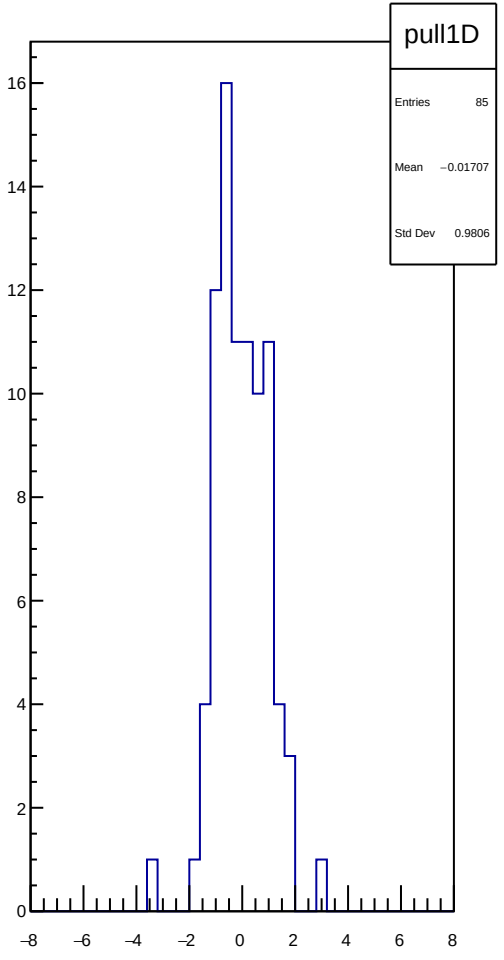

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 39.46 / 84
p0 120.8 ± 0.1658
126
124
122
120
118
116
pull
Entries 85
Mean −100.1
Std Dev 42.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean 0.008937
Std Dev 0.6812
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

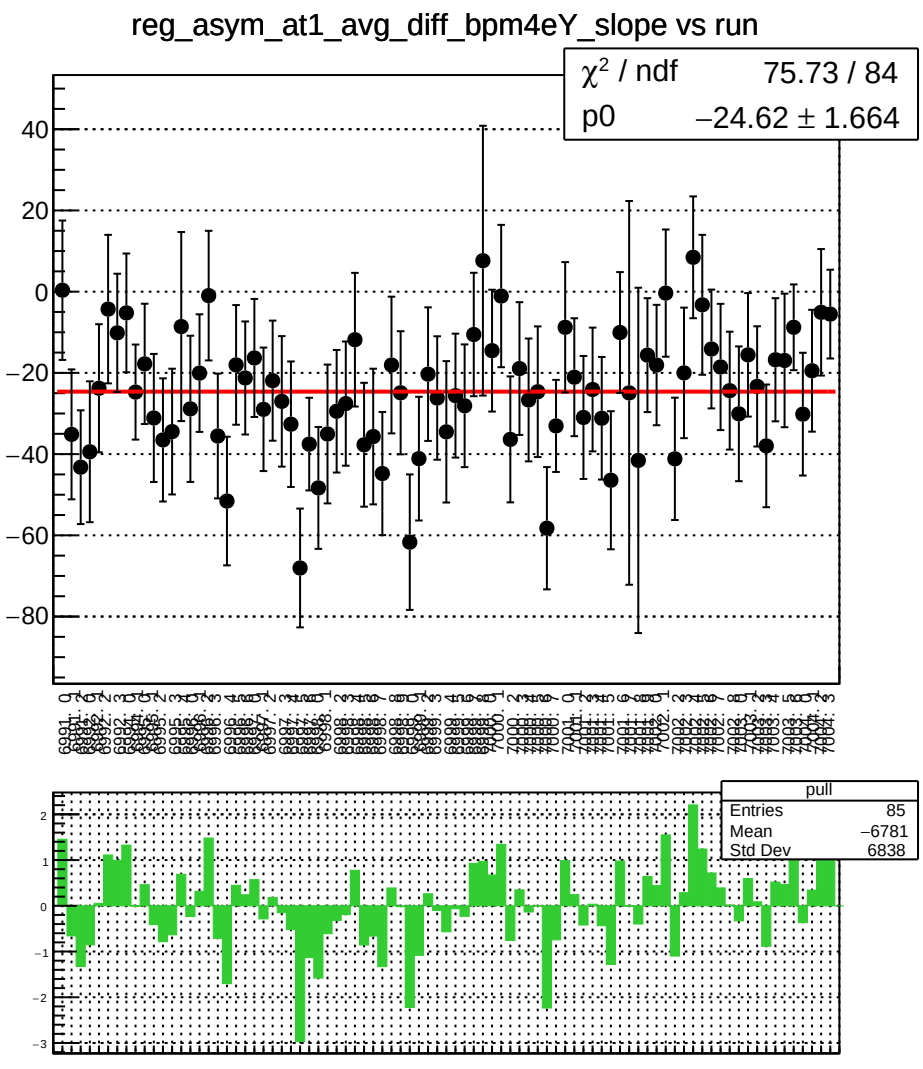

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 80.83 / 84
p0 −39.47 ± 2.29
pull
Entries 85
Mean 41.22
Std Dev 72.6

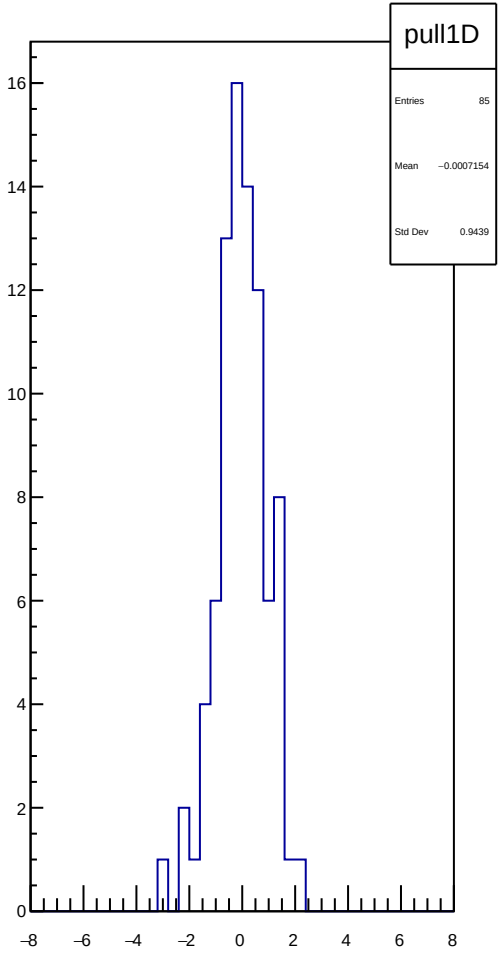

pull1D
Entries 85
Mean 0.01596
Std Dev 0.975

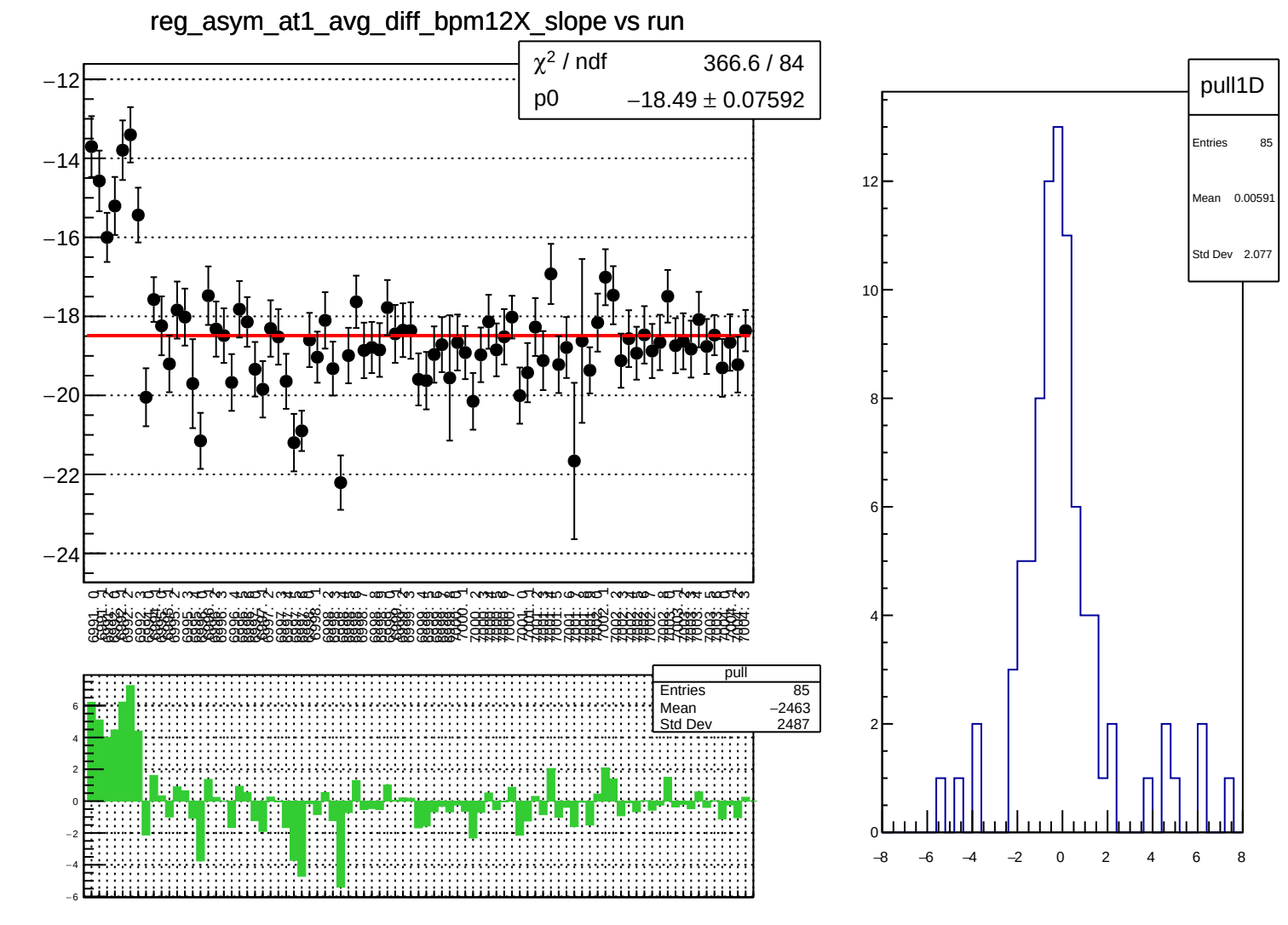

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 74.71 / 84
p0 12.85 ± 1.579
pull
Entries 85
Mean 2682
Std Dev 2630
pull1D
Entries 85
Mean −0.001719
Std Dev 0.9375

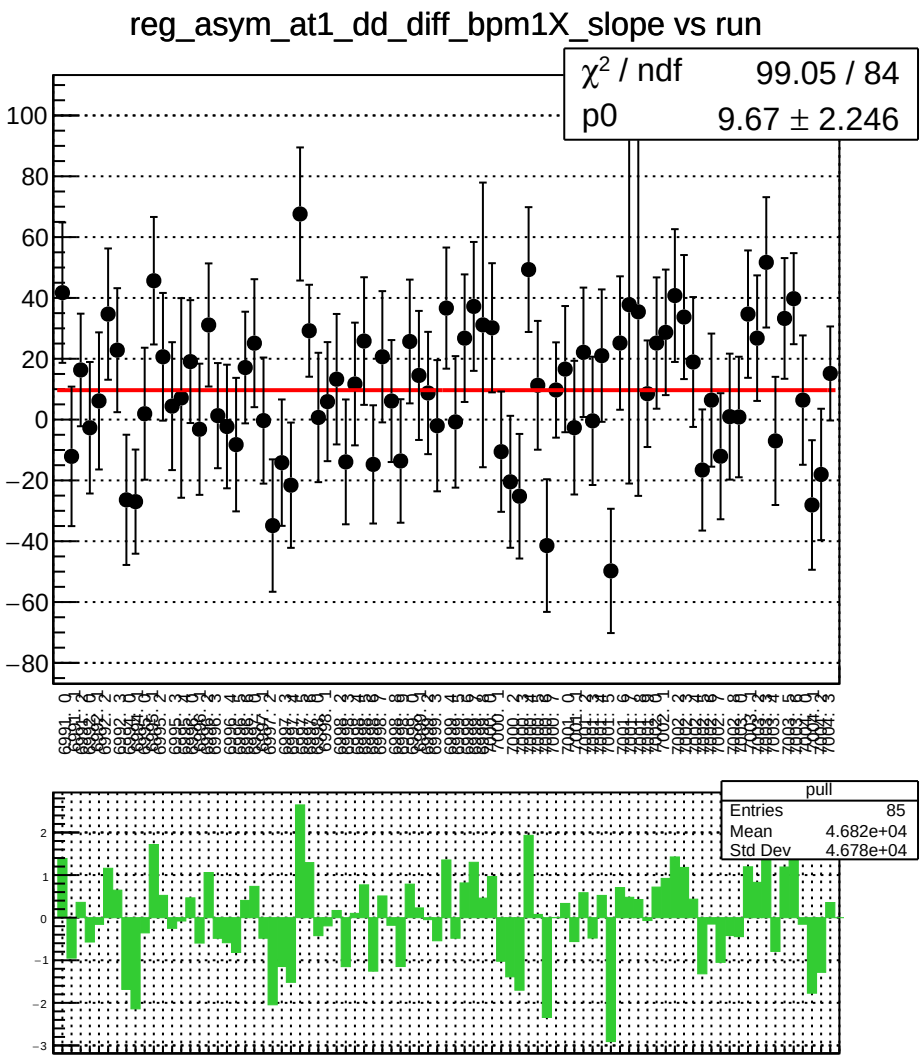

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 81.77 / 84
p0 27.81 ± 2.115
pull
Entries 85
Mean 19.89
Std Dev 75.18

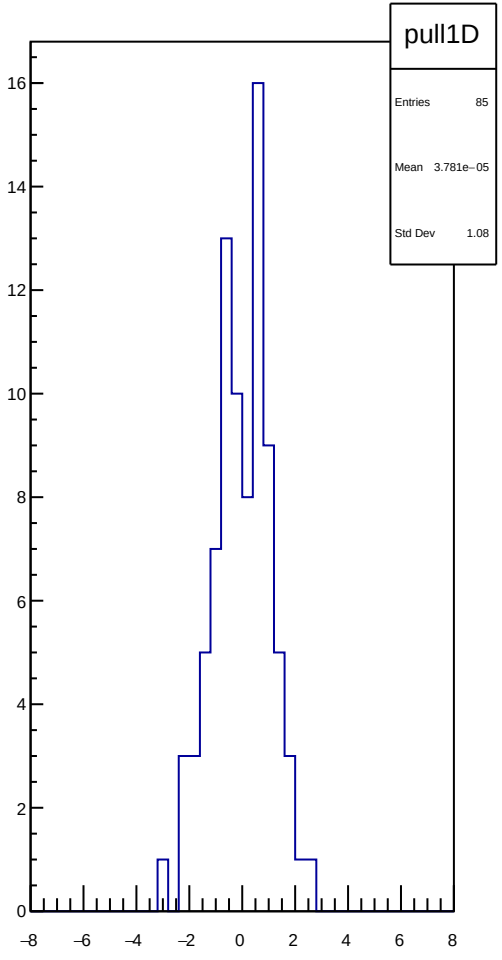

pull1D
Entries 85
Mean −0.01707
Std Dev 0.9806

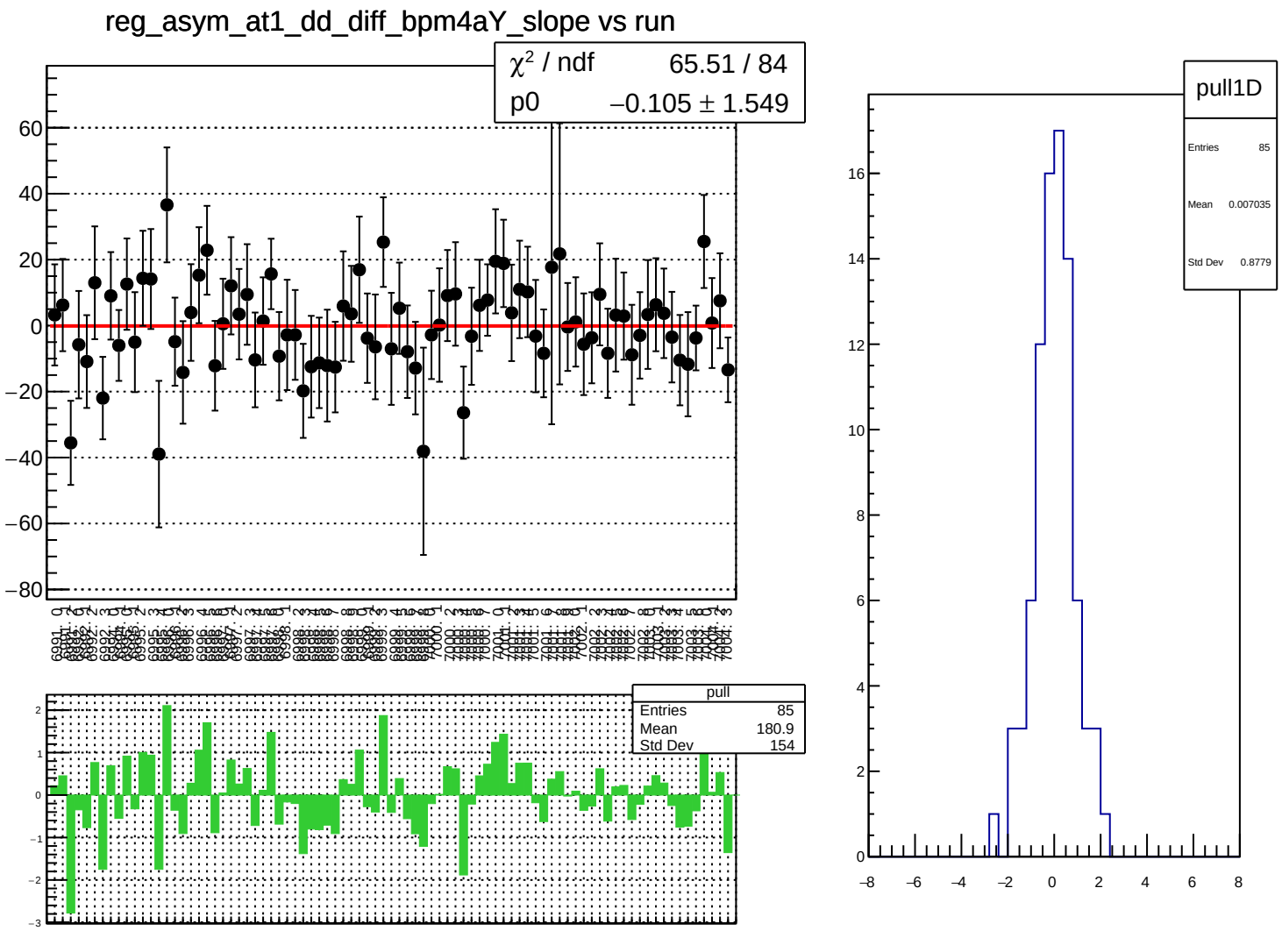

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 75.73 / 84
p0 −24.62 ± 1.664
pull
Entries 85
Mean −6781
Std Dev 6838

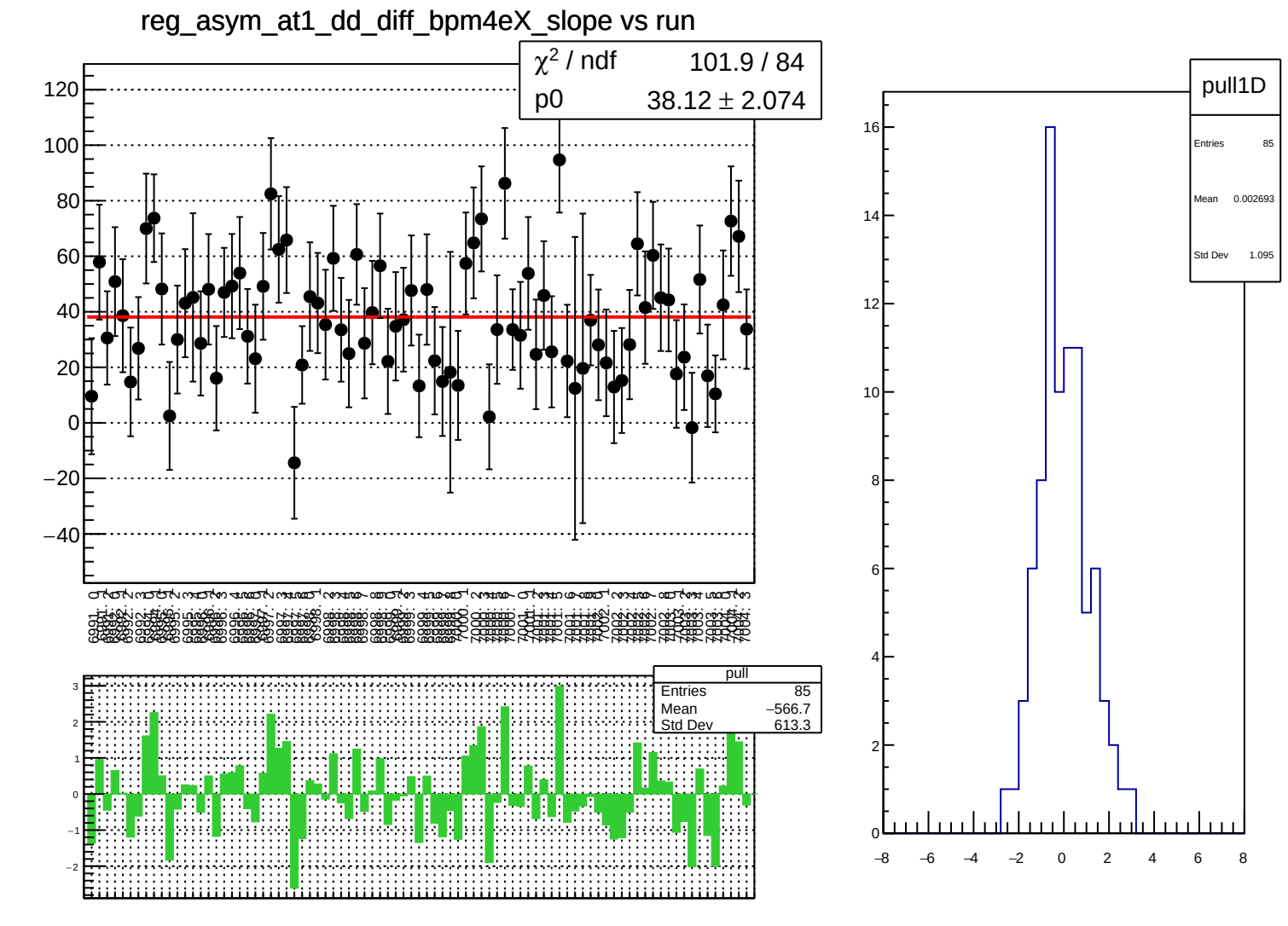

pull1D
Entries 85
Mean −0.0007154
Std Dev 0.9439

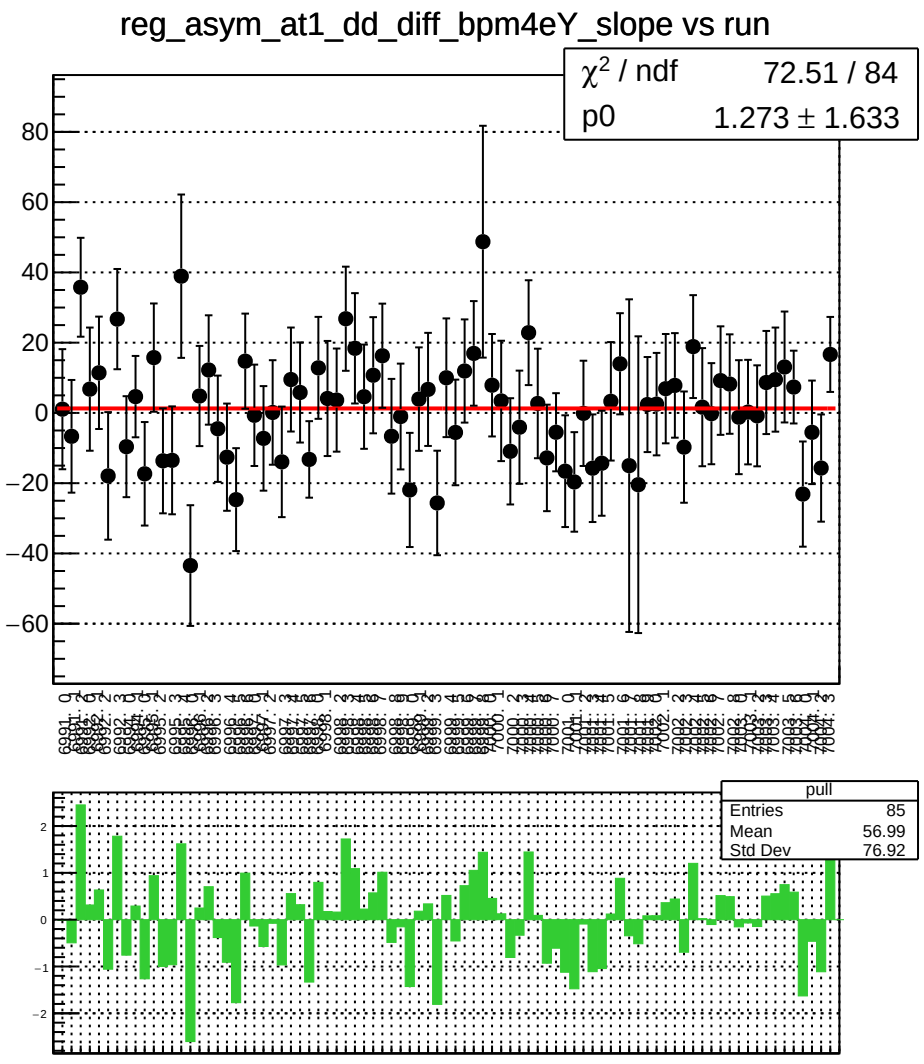

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 366.6 / 84
p0 −18.49 ± 0.07592
pull
Entries 85
Mean −2463
Std Dev 2487
pull1D
Entries 85
Mean 0.00591
Std Dev 2.077

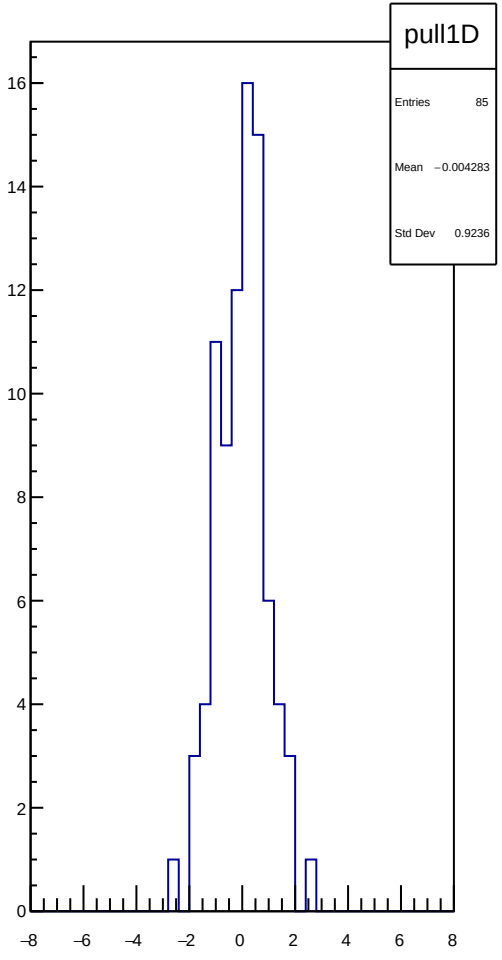

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 99.05 / 84
p0 9.67 ± 2.246
pull
Entries 85
Mean 4.682e+04
Std Dev 4.678e+04

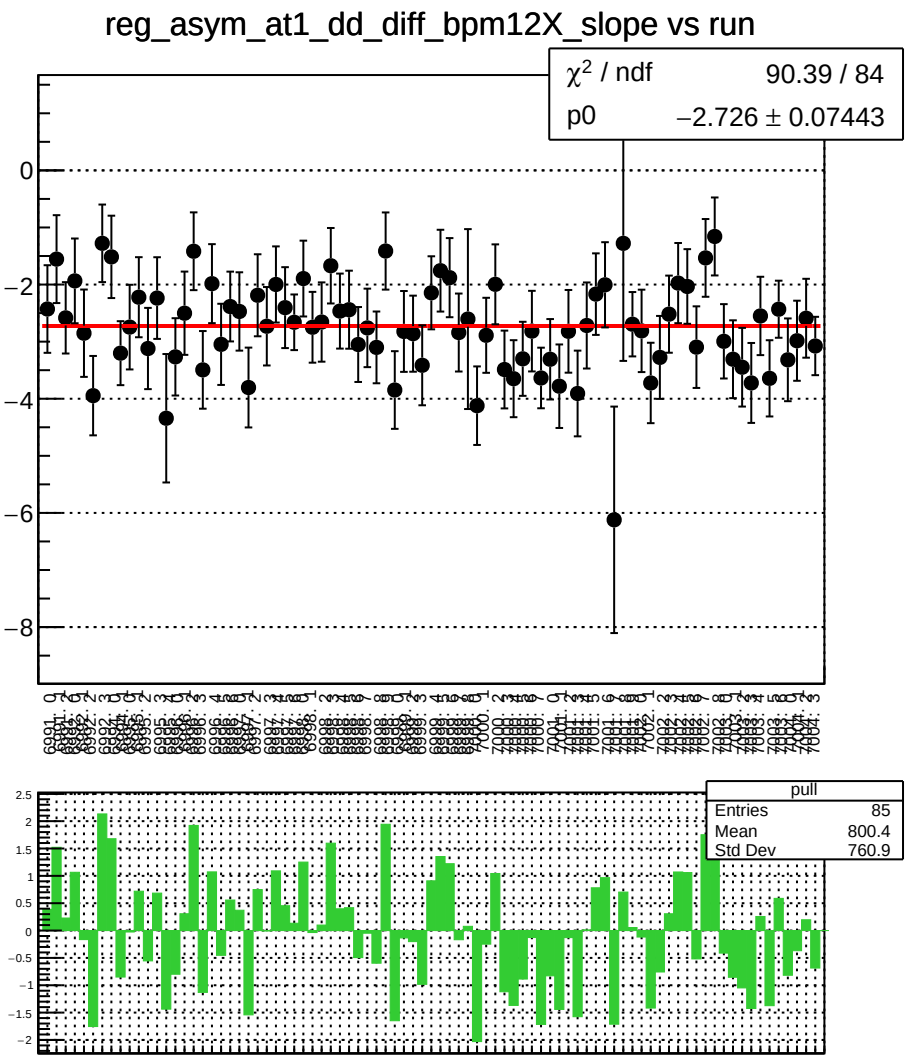

pull1D
Entries 85
Mean 3.781e−05
Std Dev 1.08

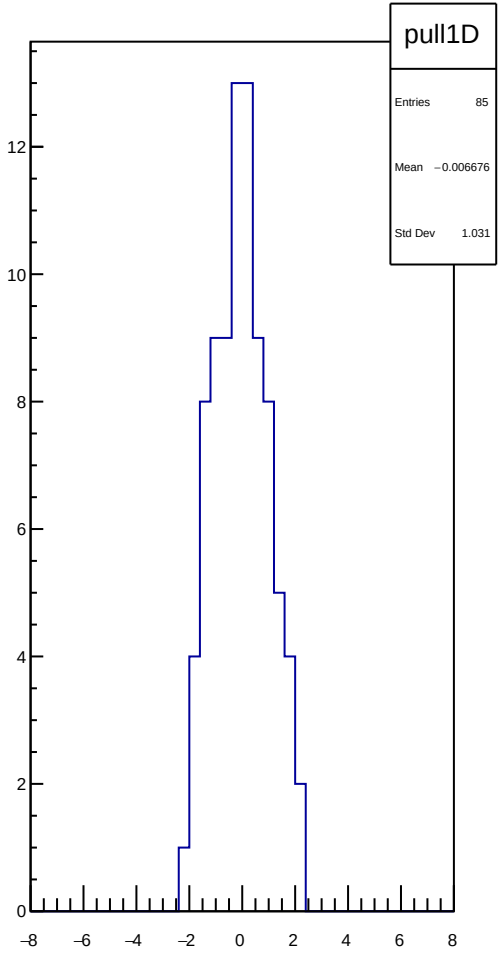

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 65.51 / 84
p0 −0.105 ± 1.549
pull
Entries 85
Mean 180.9
Std Dev 154
pull1D
Entries 85
Mean 0.007035
Std Dev 0.8779

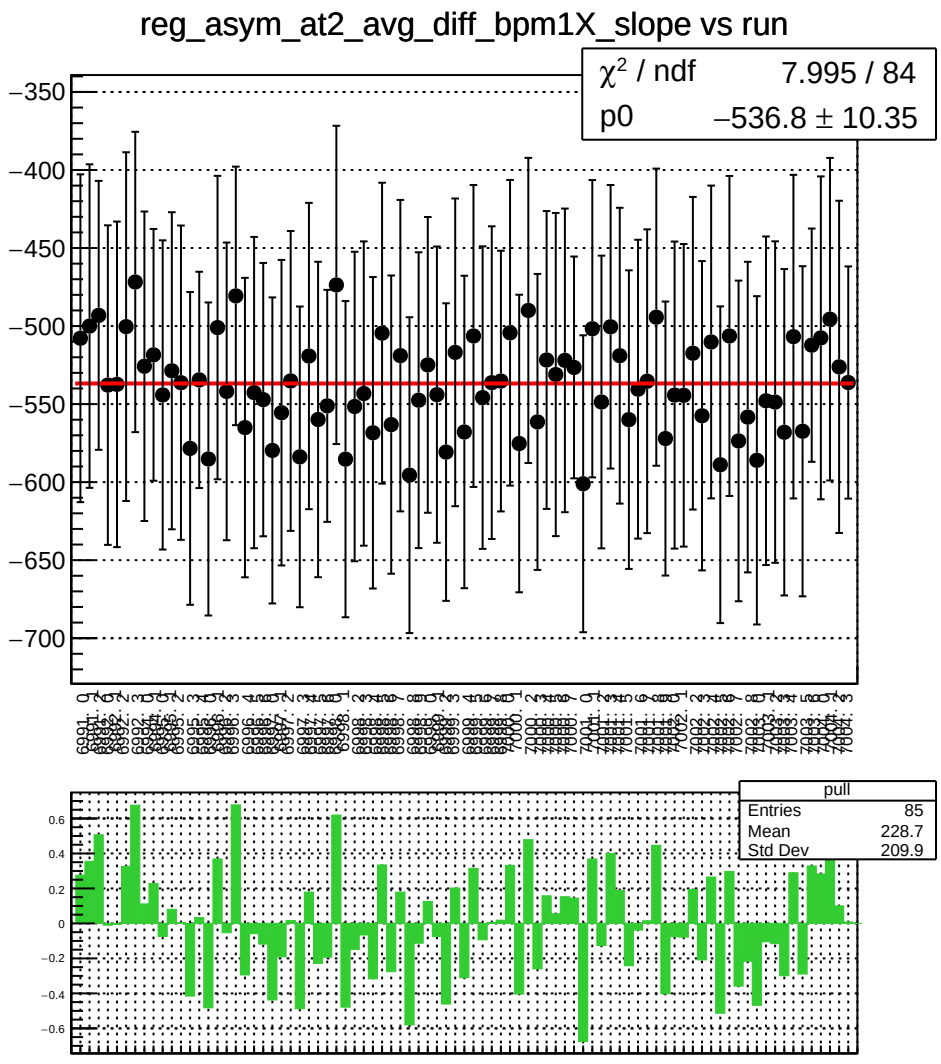

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 101.9 / 84
p0 38.12 ± 2.074
pull
Entries 85
Mean −566.7
Std Dev 613.3
pull1D
Entries 85
Mean 0.002693
Std Dev 1.095

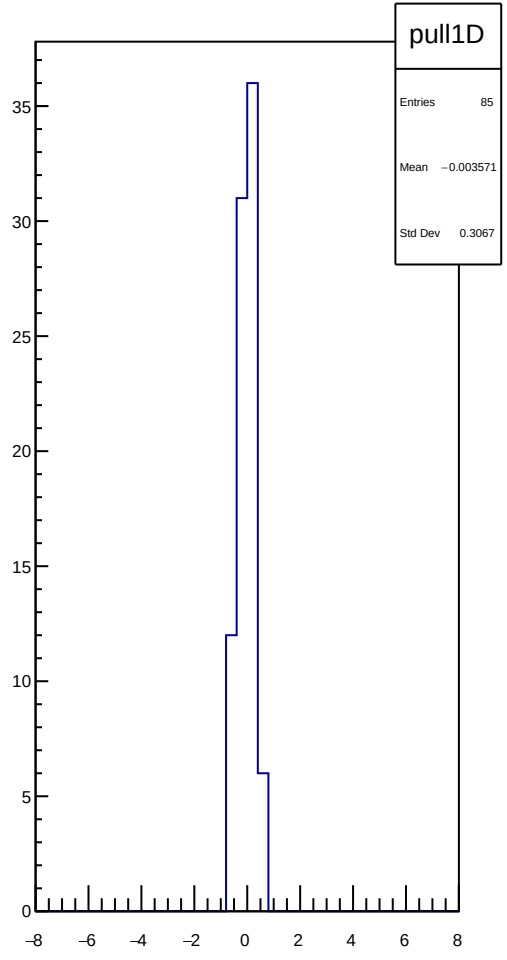

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.51 / 84
p0 1.273 ± 1.633
pull
Entries 85
Mean 56.99
Std Dev 76.92

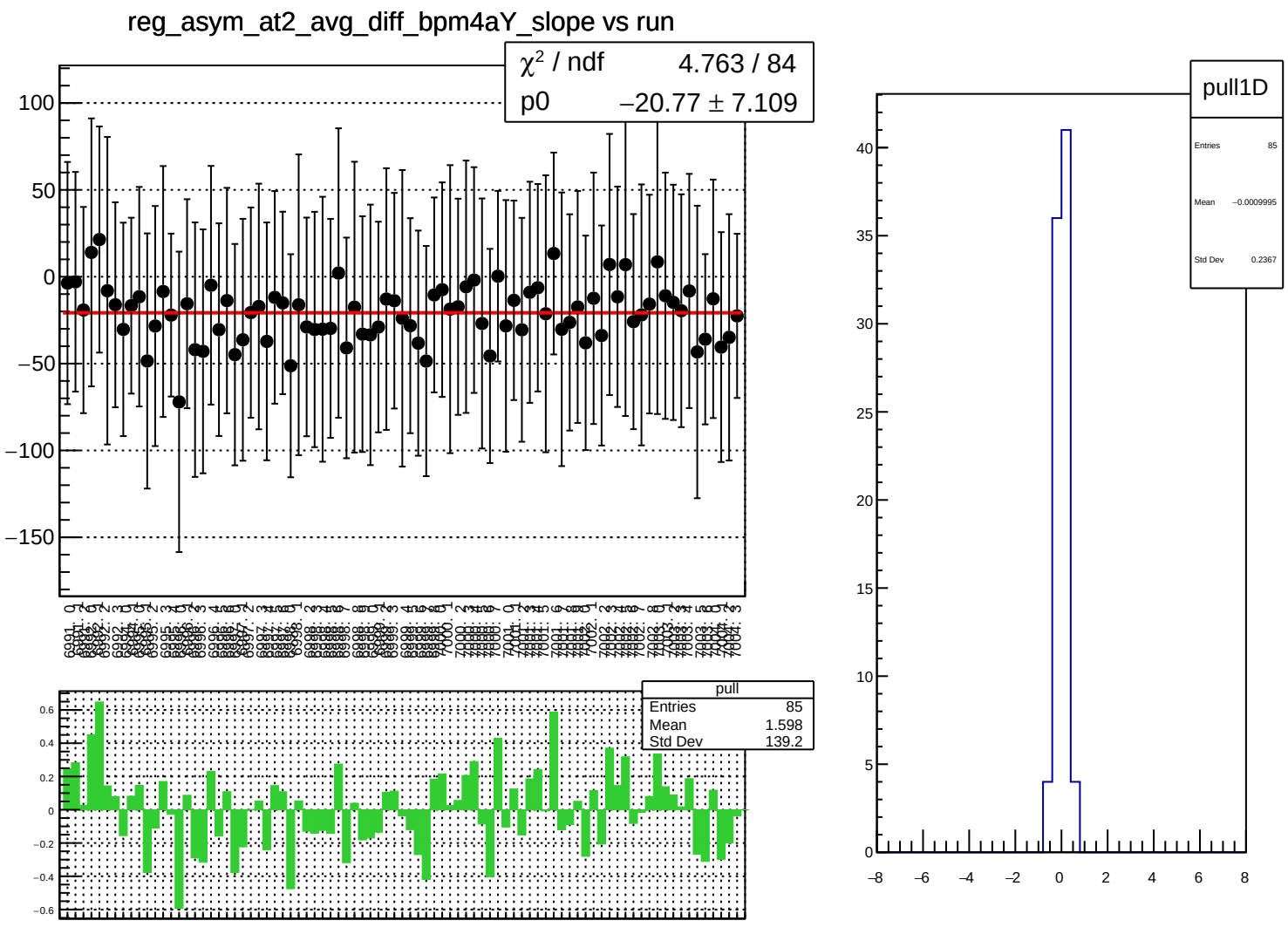

pull1D
Entries 85
Mean −0.004283
Std Dev 0.9236

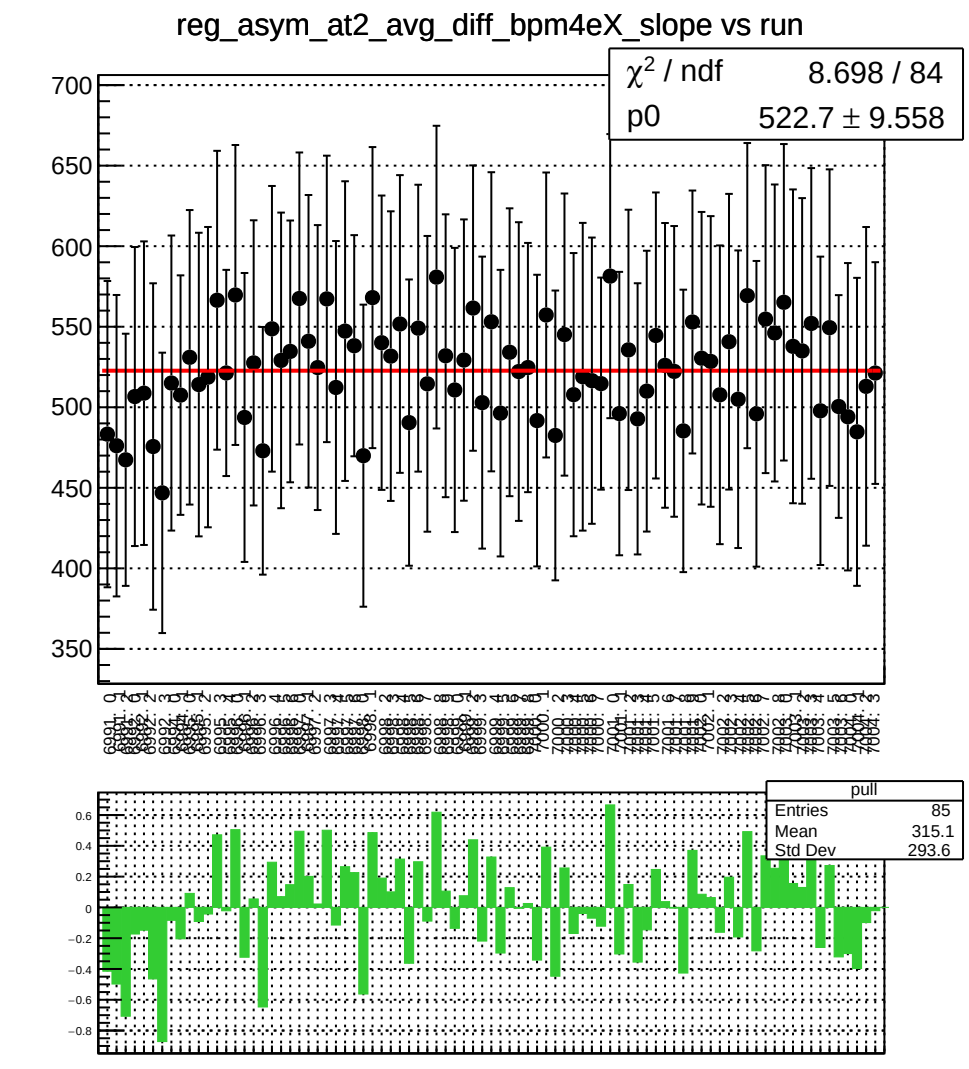

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 90.39 / 84
p0 −2.726 ± 0.07443
pull
Entries 85
Mean 800.4
Std Dev 760.9

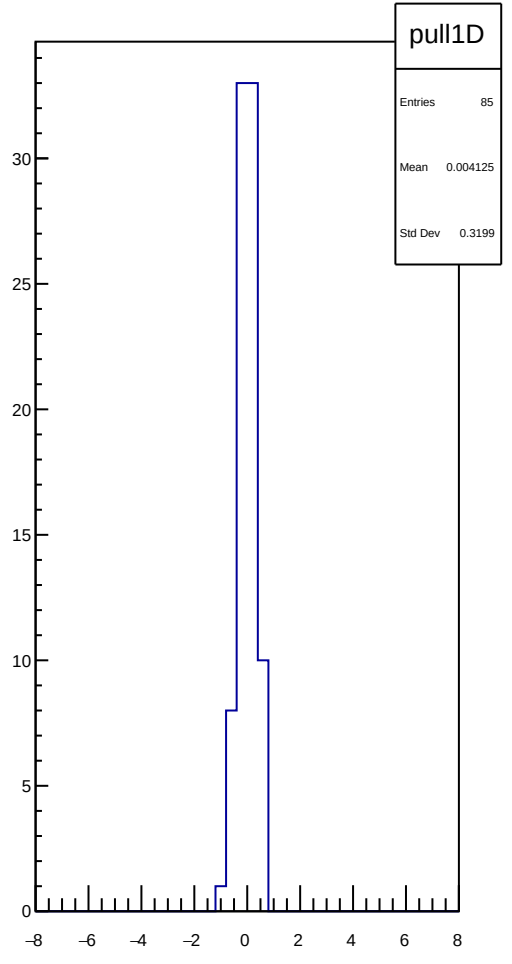

pull1D
Entries 85
Mean −0.006676
Std Dev 1.031

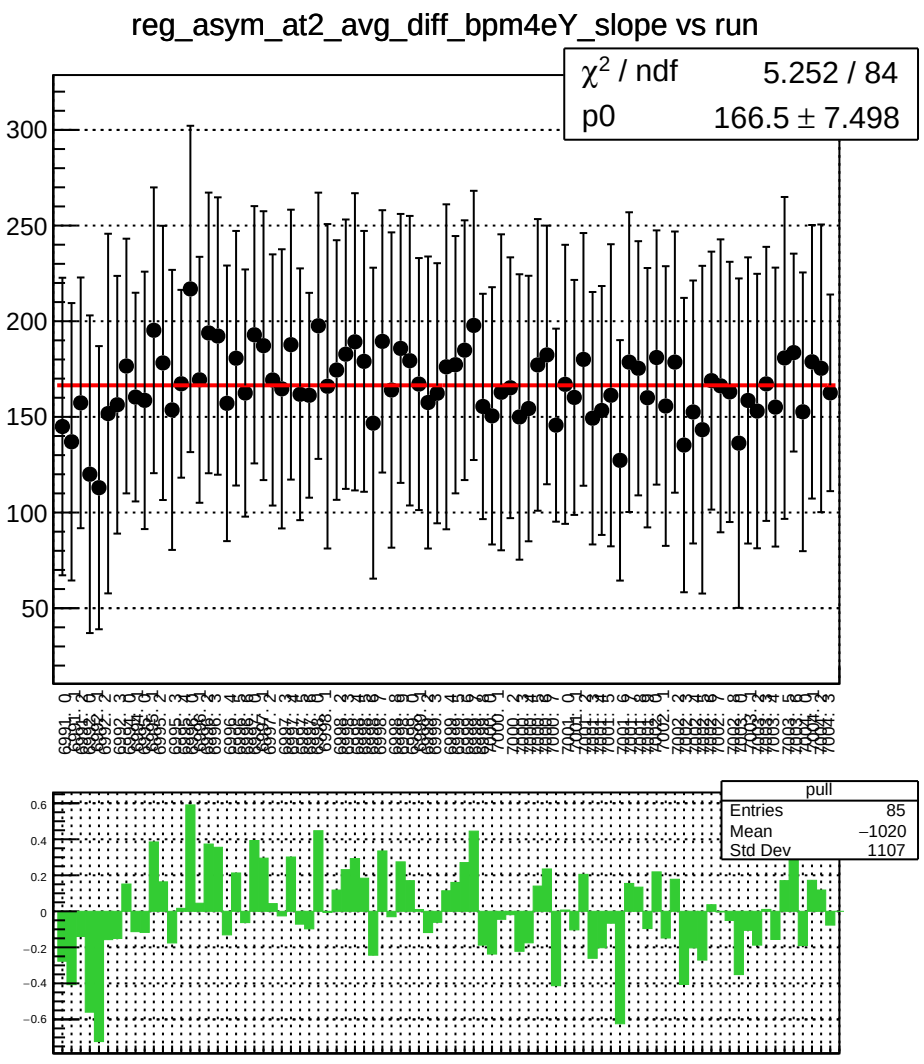

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 7.995 / 84
p0 −536.8 ± 10.35
pull
Entries 85
Mean 228.7
Std Dev 209.9

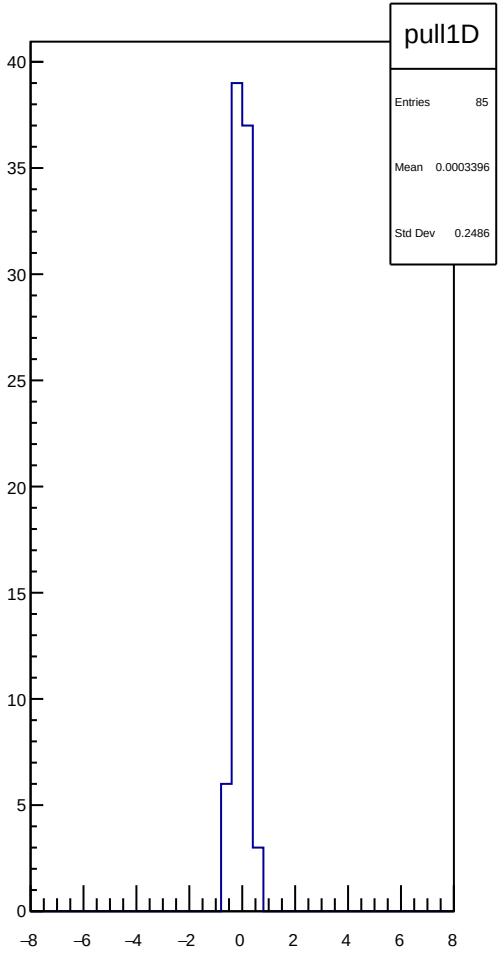

pull1D
Entries 85
Mean −0.003571
Std Dev 0.3067

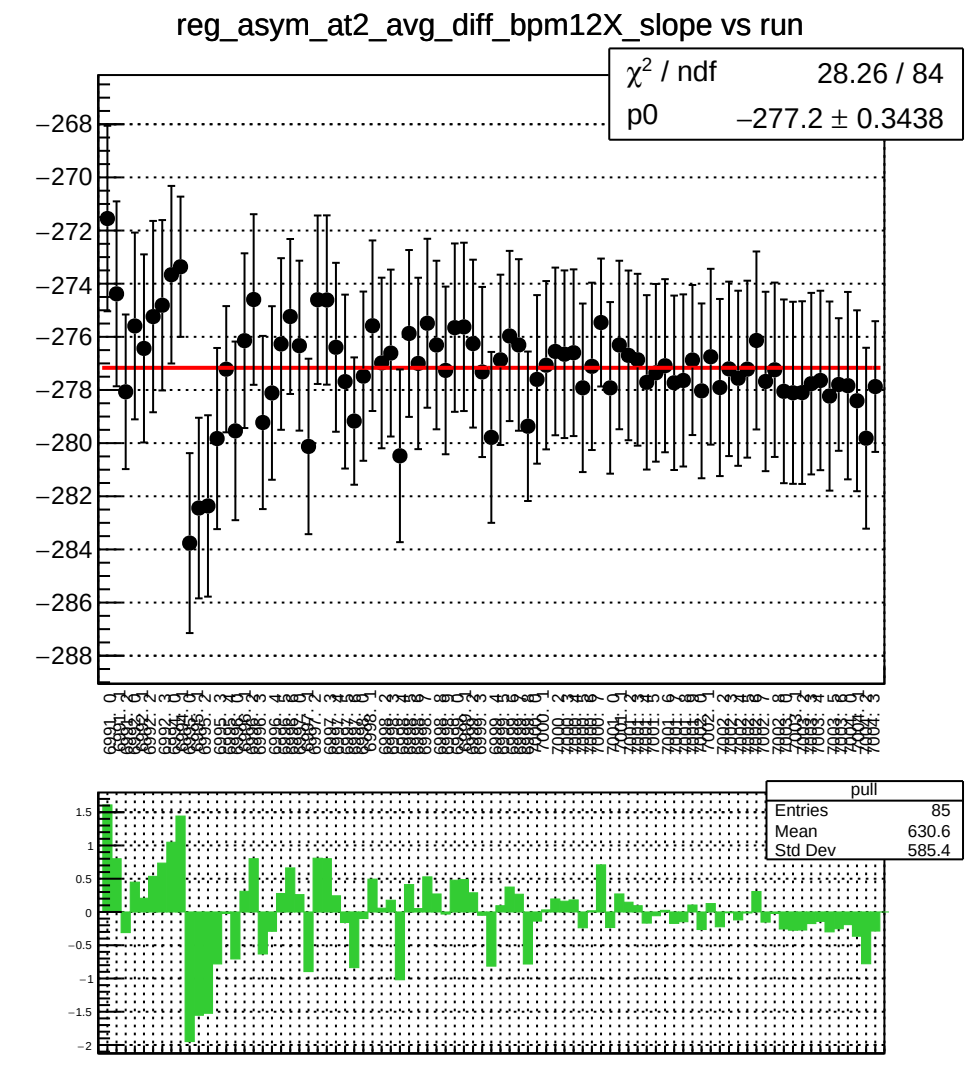

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.763 / 84
p0 −20.77 ± 7.109
100
50
0
−50
−100
−150
pull
Entries 85
Mean 1.598
Std Dev 139.2
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 85
Mean −0.0009995
Std Dev 0.2367
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

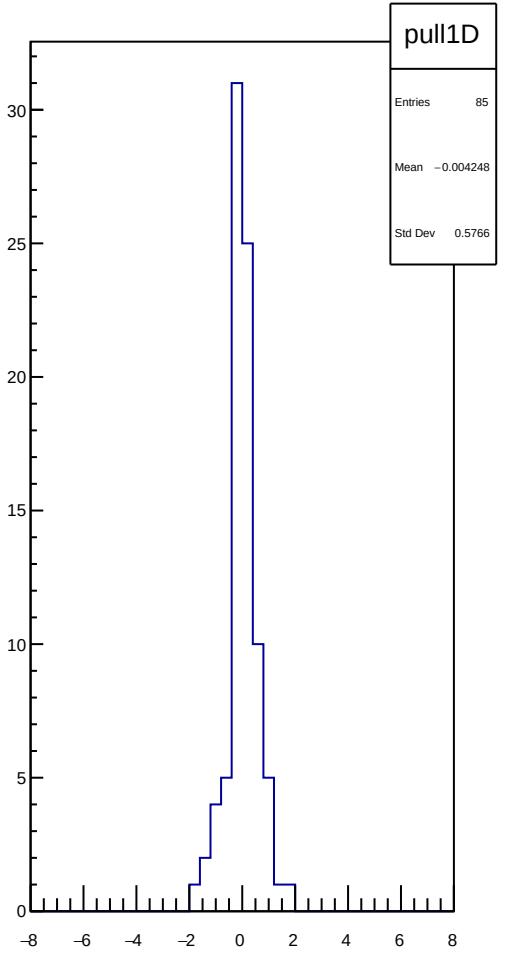

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.698 / 84
p0 522.7 ± 9.558
700
650
600
550
500
450
400
350
pull
Entries 85
Mean 315.1
Std Dev 293.6
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

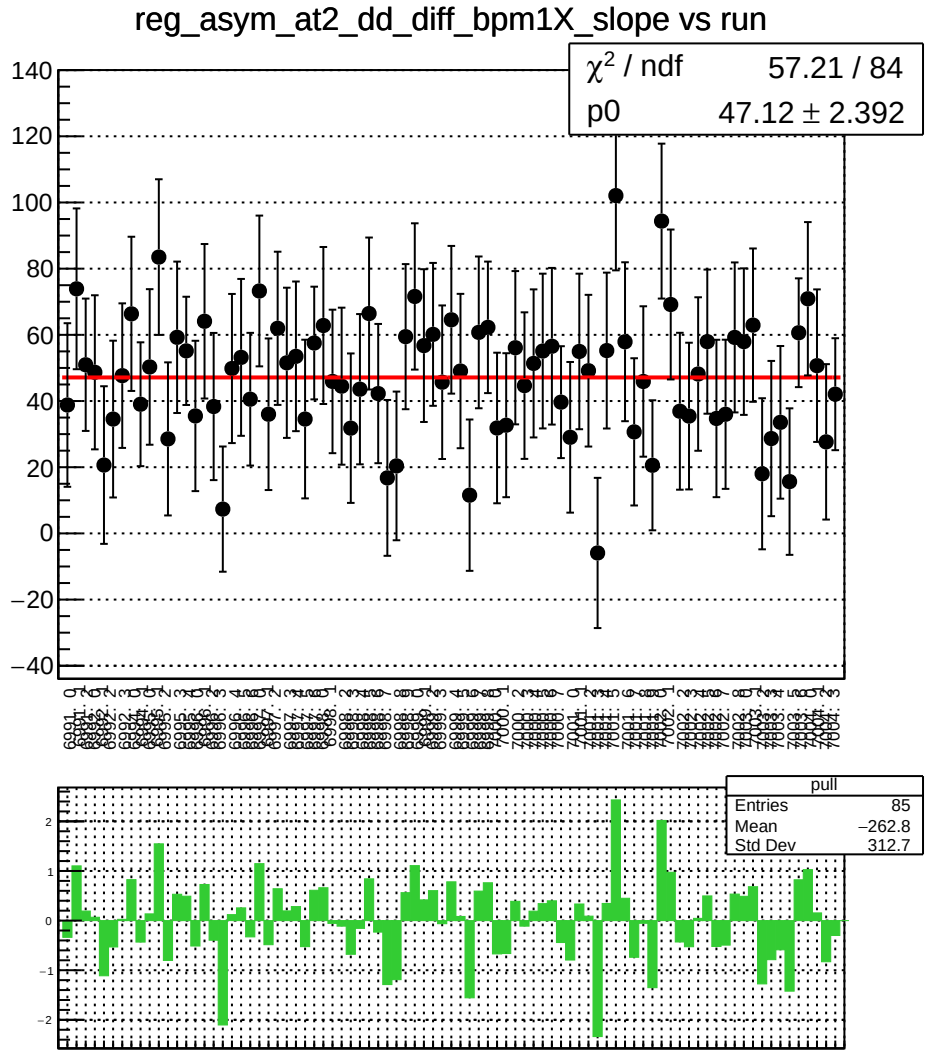

pull1D
Entries 85
Mean 0.004125
Std Dev 0.3199
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

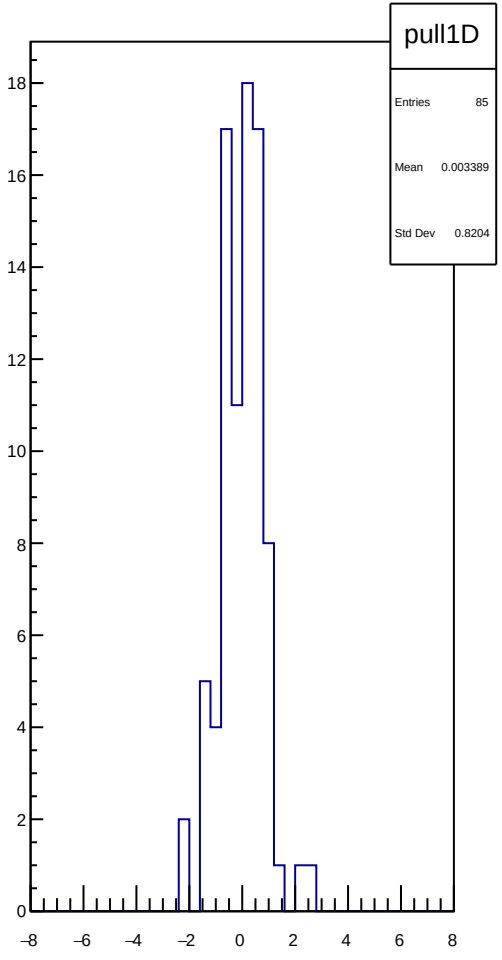

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.252 / 84
p0 166.5 ± 7.498
pull
Entries 85
Mean −1020
Std Dev 1107

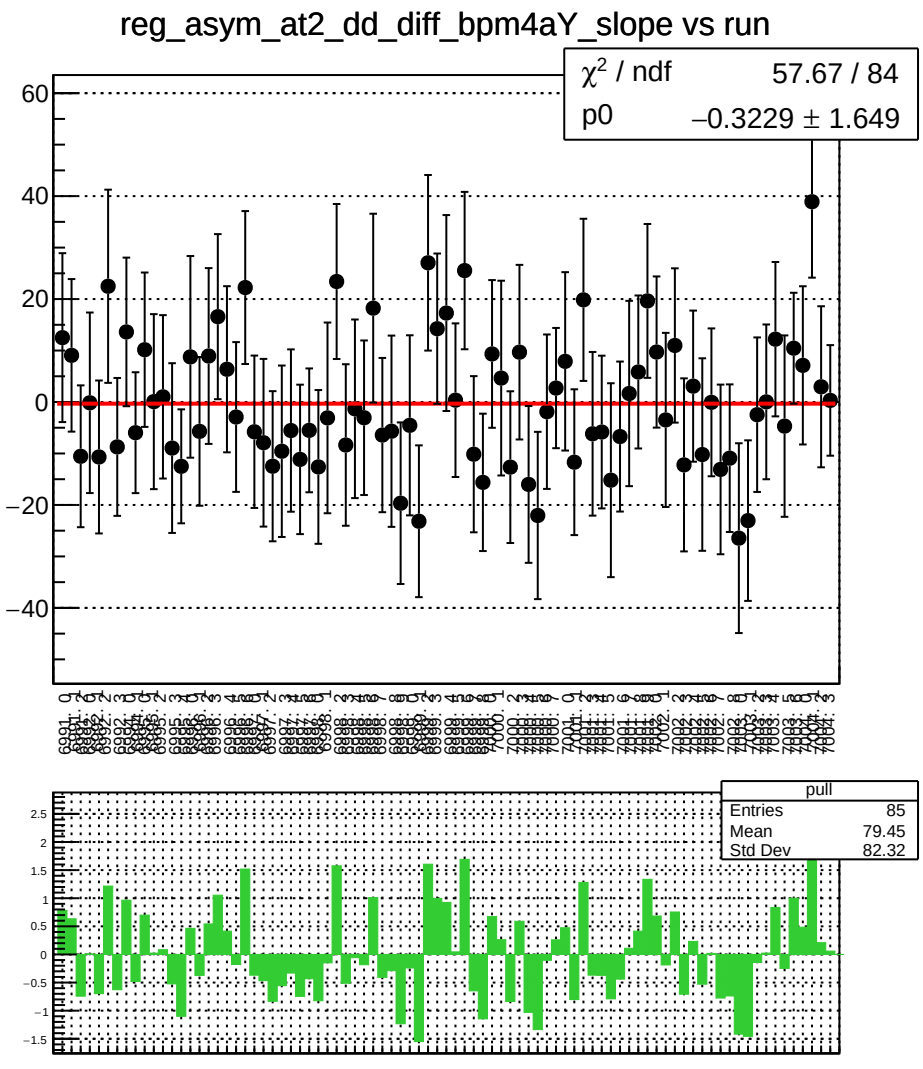

pull1D
Entries 85
Mean 0.0003396
Std Dev 0.2486

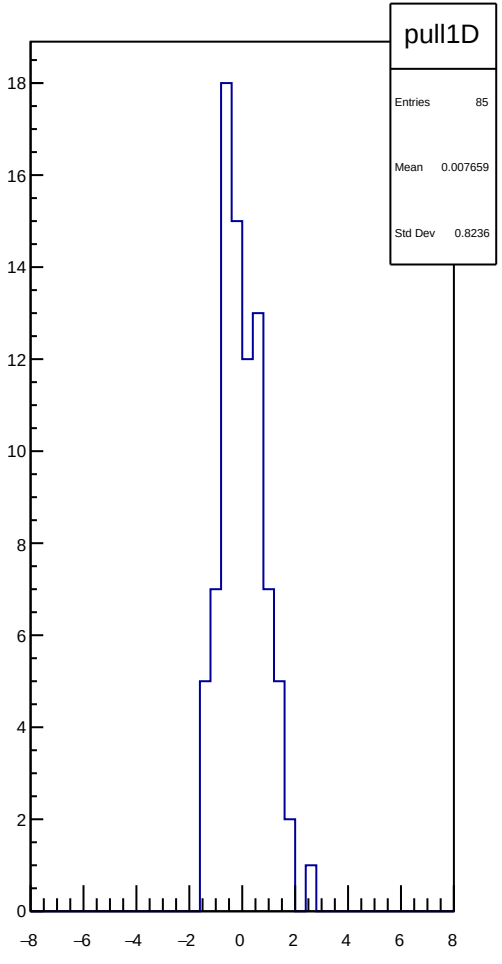

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 28.26 / 84
p0 −277.2 ± 0.3438
pull
Entries 85
Mean 630.6
Std Dev 585.4

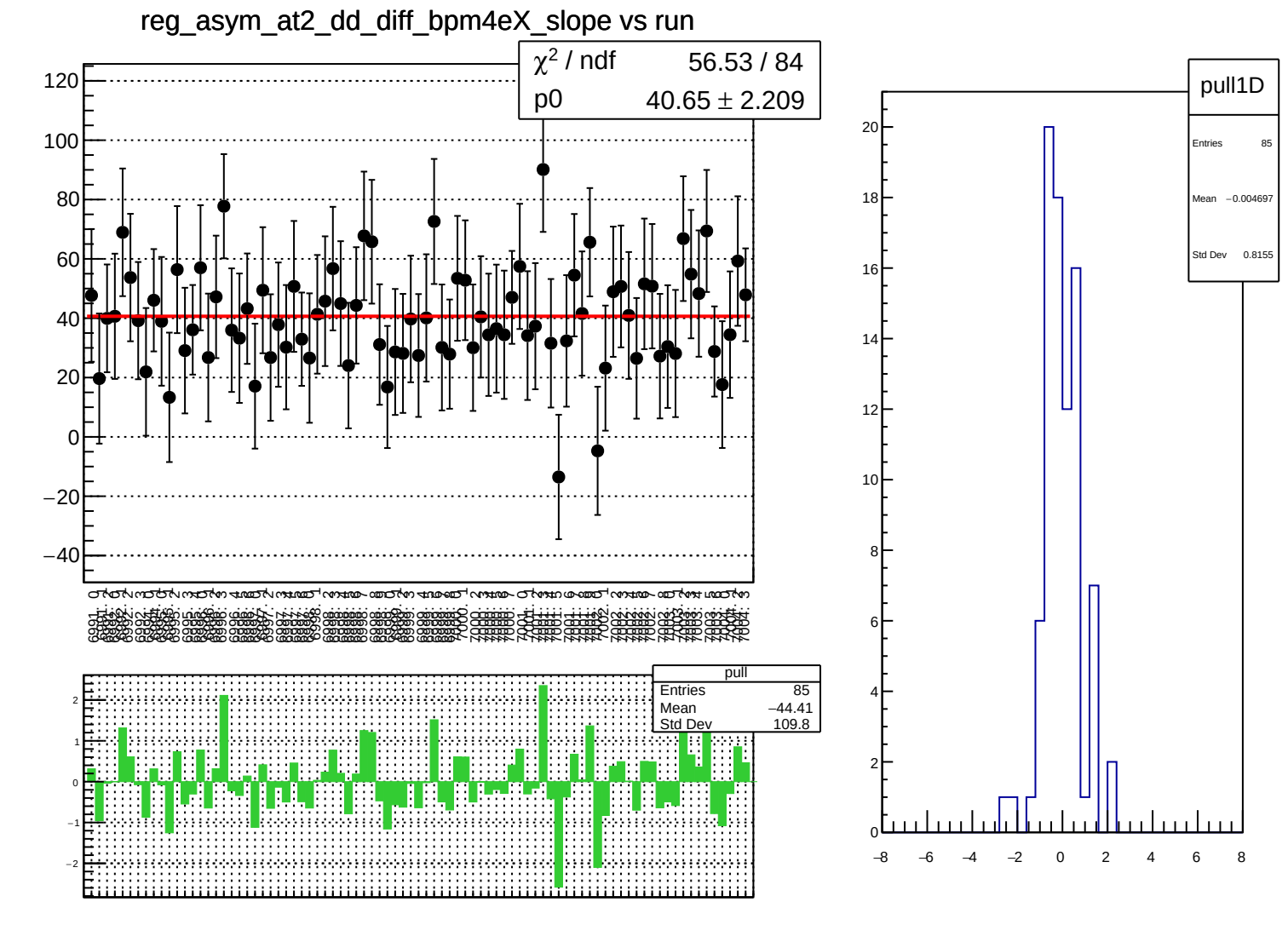

pull1D
Entries 85
Mean −0.004248
Std Dev 0.5766

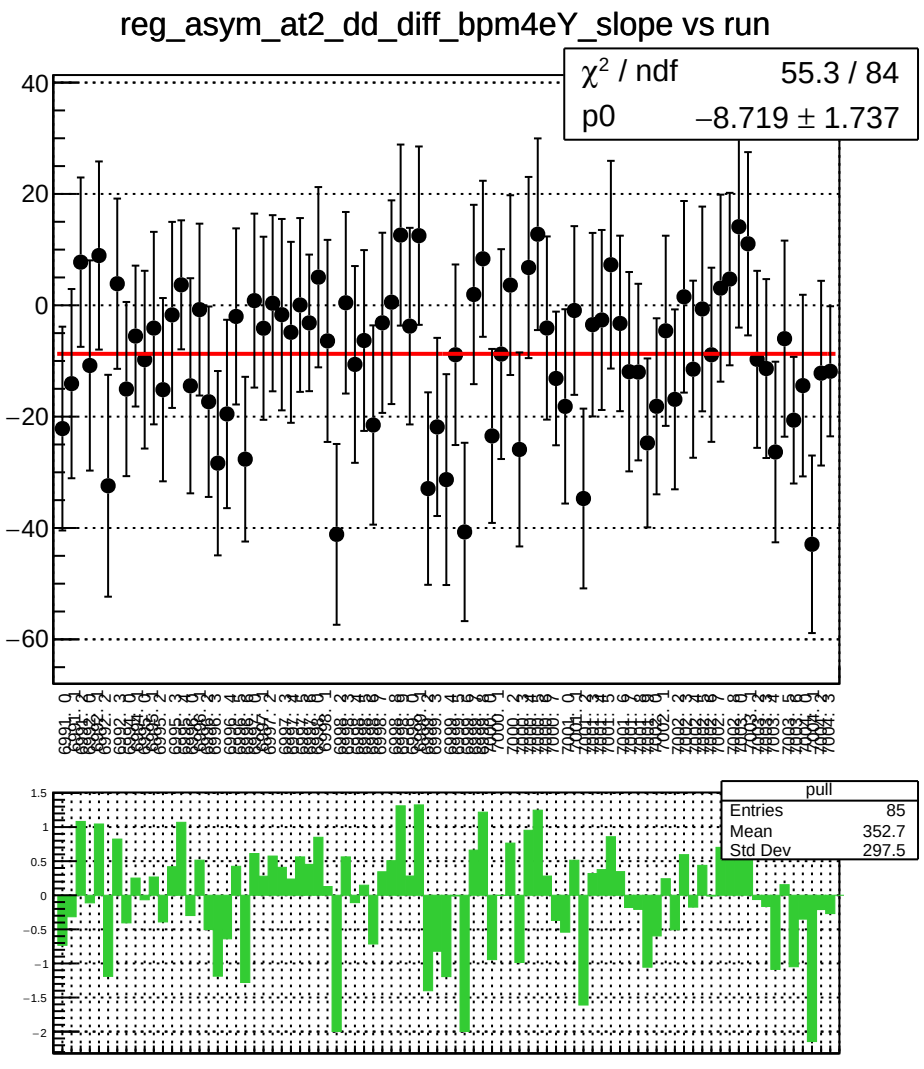

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 57.21 / 84
p0 47.12 ± 2.392
pull
Entries 85
Mean −262.8
Std Dev 312.7

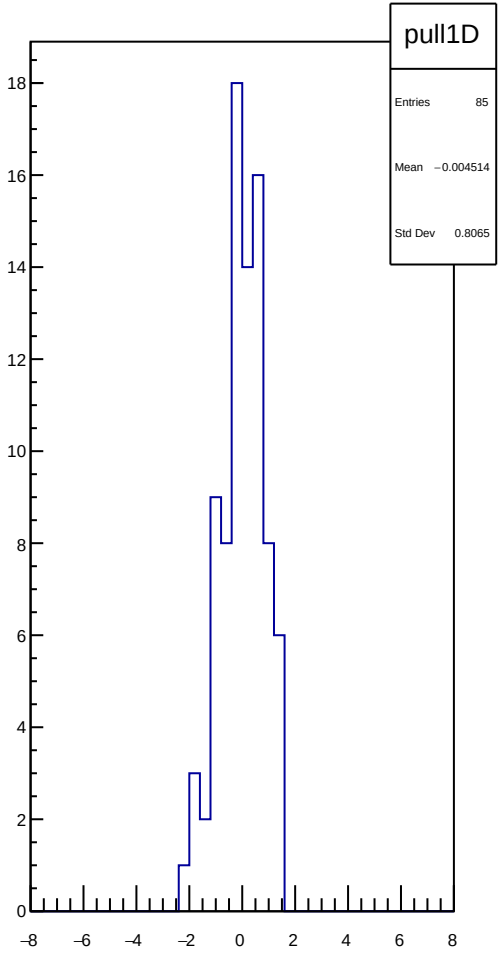

pull1D
Entries 85
Mean 0.003389
Std Dev 0.8204

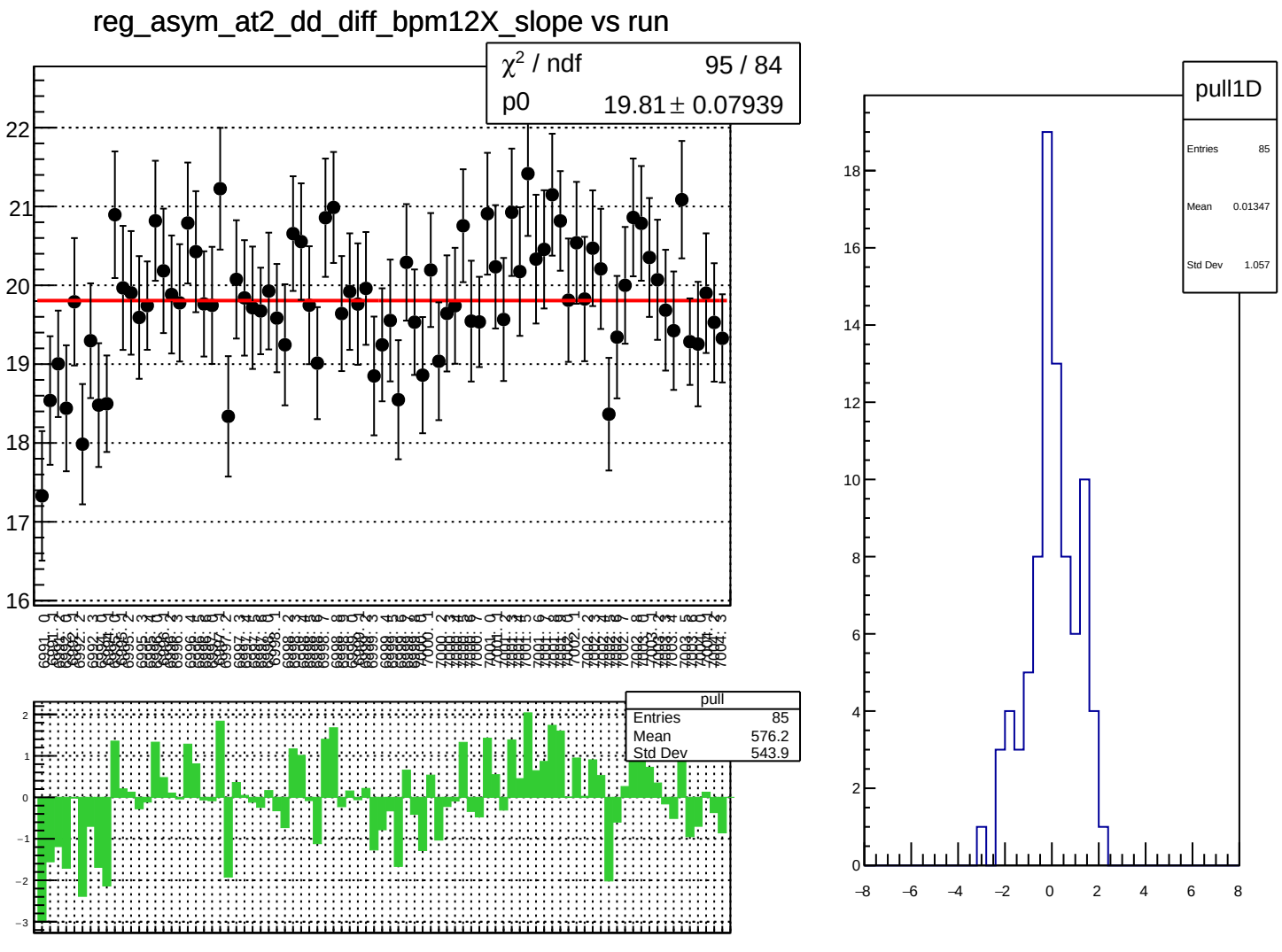

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.67 / 84
p0 −0.3229 ± 1.649
pull
Entries 85
Mean 79.45
Std Dev 82.32

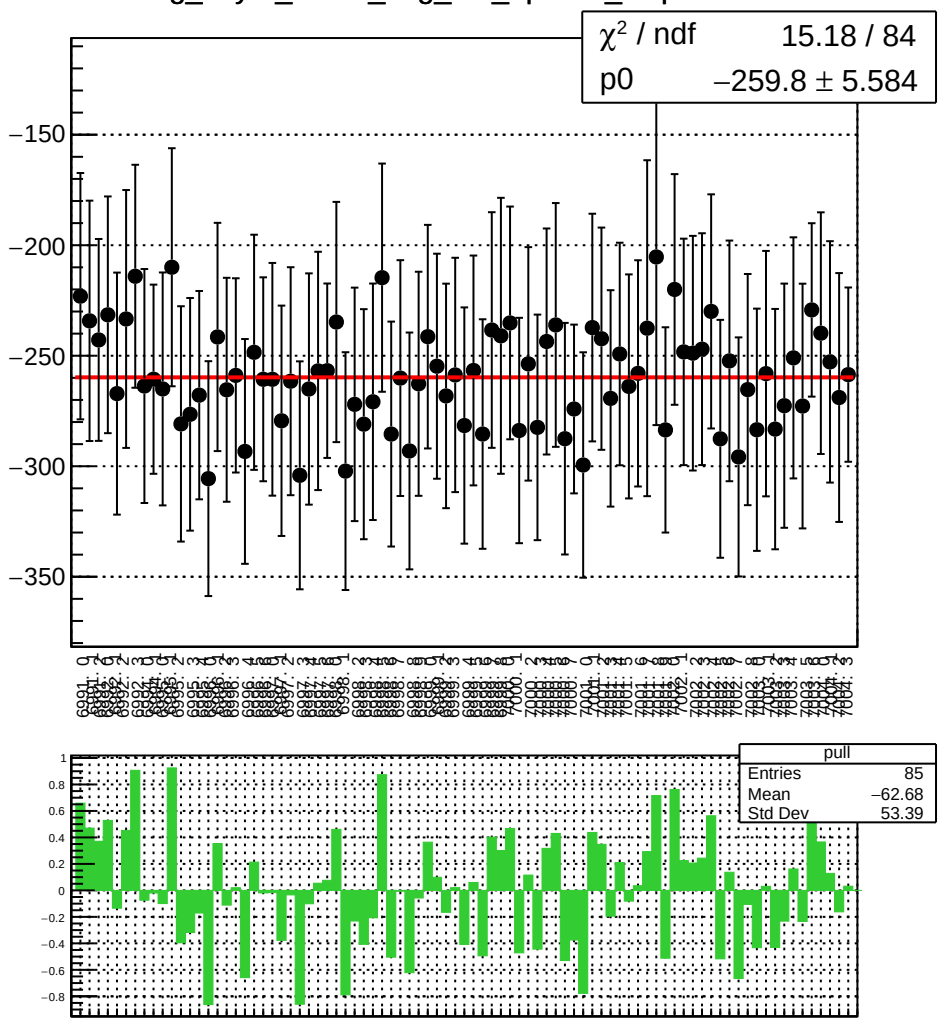

pull1D
Entries 85
Mean 0.007659
Std Dev 0.8236

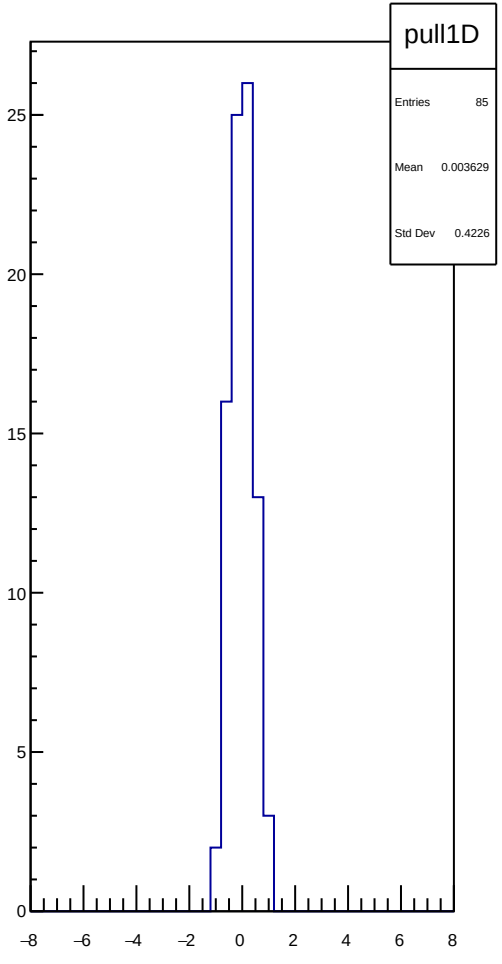

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.53 / 84
p0 40.65 ± 2.209
pull
Entries 85
Mean −44.41
Std Dev 109.8
pull1D
Entries 85
Mean −0.004697
Std Dev 0.8155

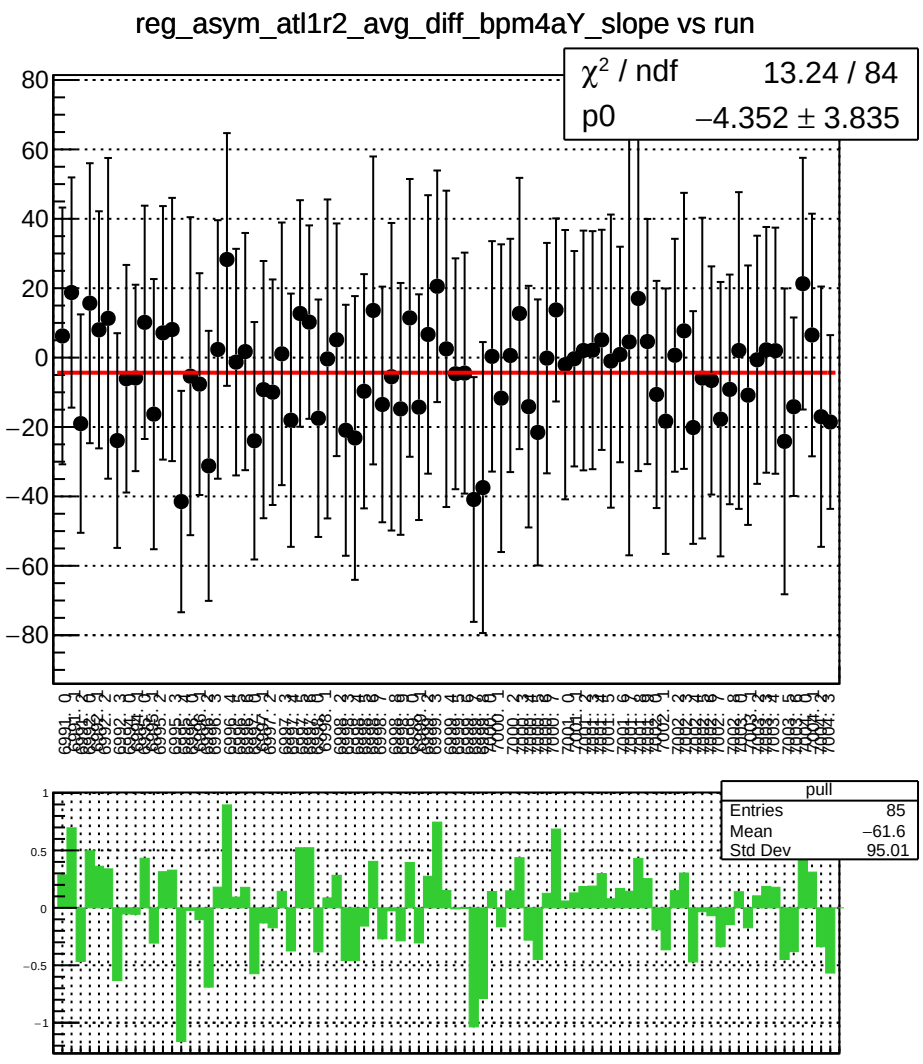

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 55.3 / 84
p0 −8.719 ± 1.737
pull
Entries 85
Mean 352.7
Std Dev 297.5

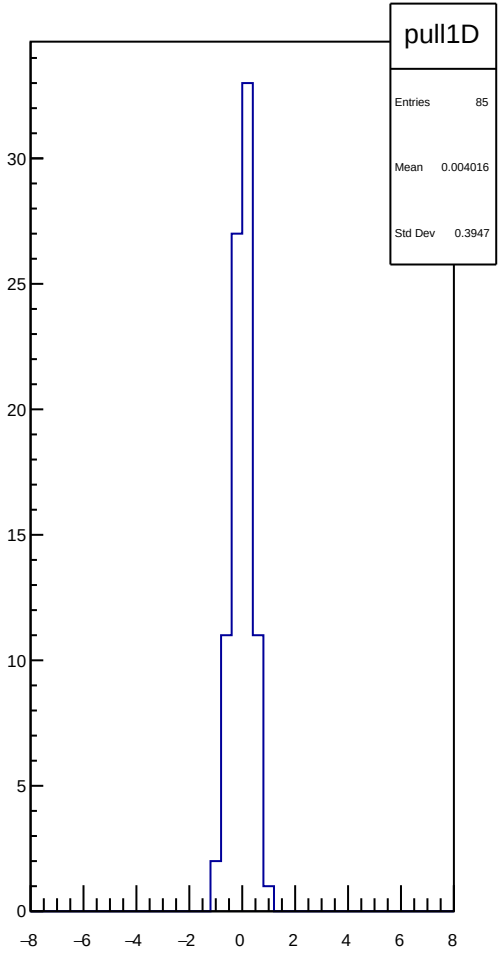

pull1D
Entries 85
Mean −0.004514
Std Dev 0.8065

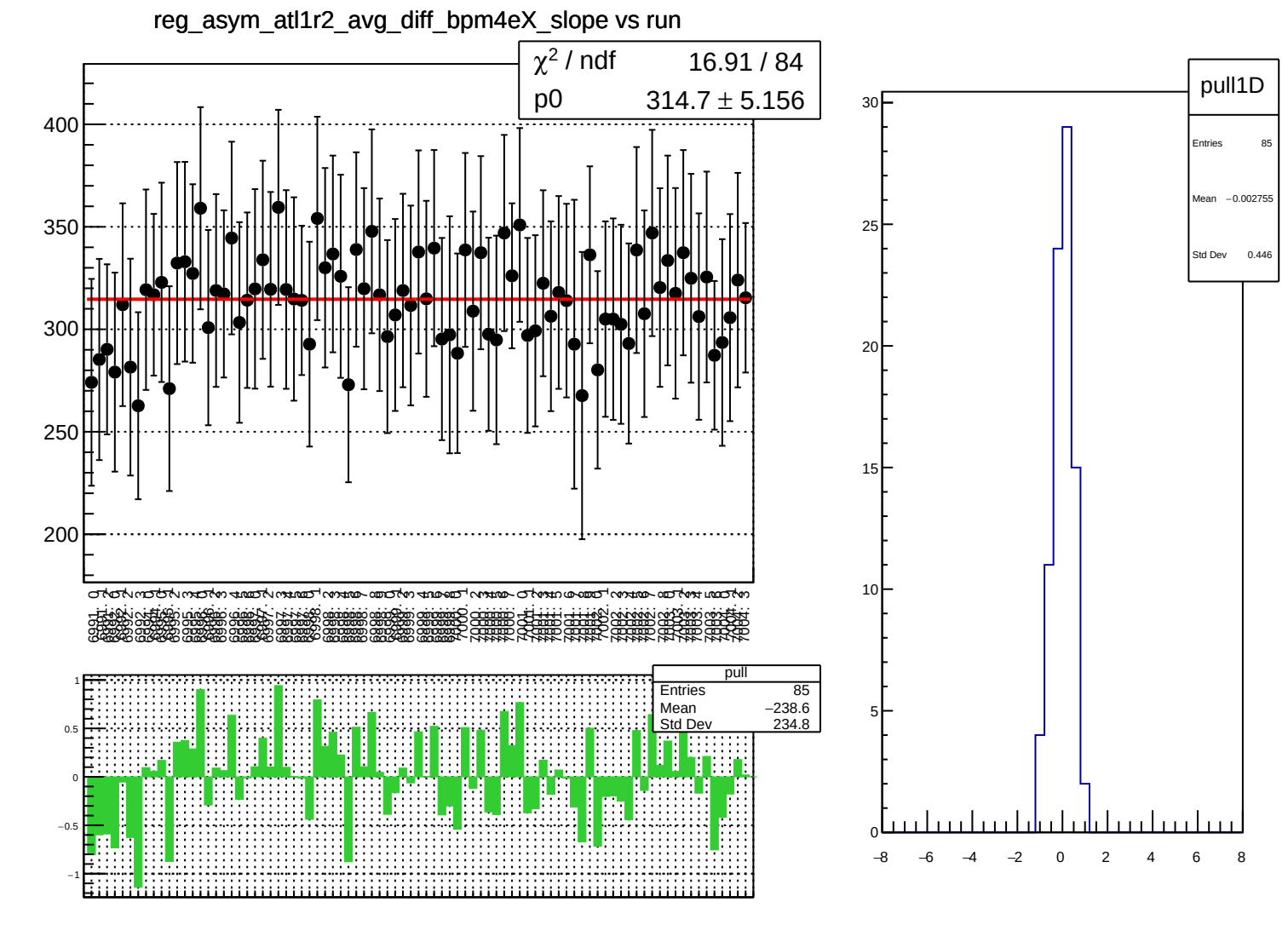

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 95 / 84
p0 19.81 ± 0.07939
pull
Entries 85
Mean 576.2
Std Dev 543.9
pull1D
Entries 85
Mean 0.01347
Std Dev 1.057

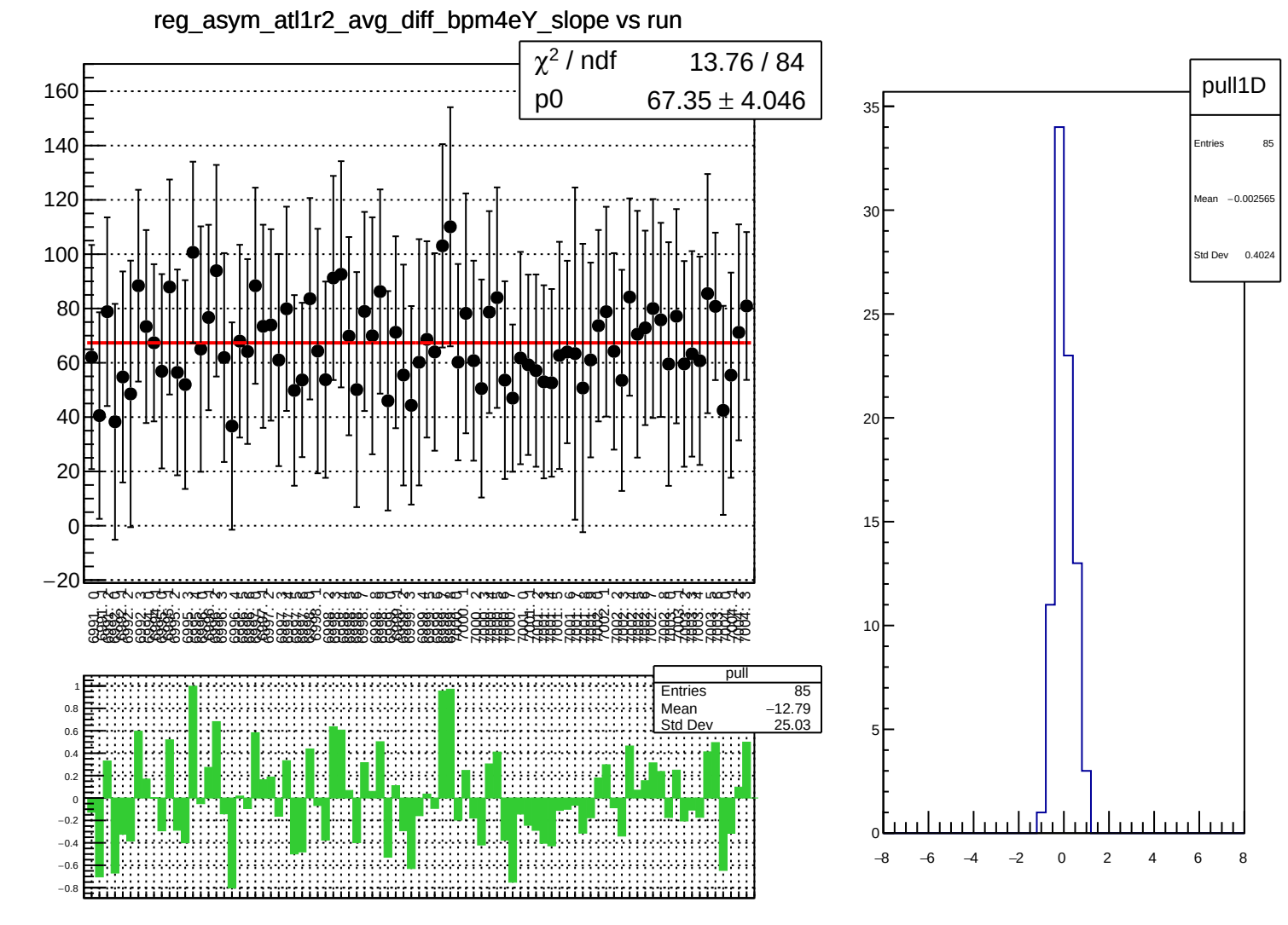

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 15.18 / 84
p0 −259.8 ± 5.584
pull
Entries 85
Mean −62.68
Std Dev 53.39

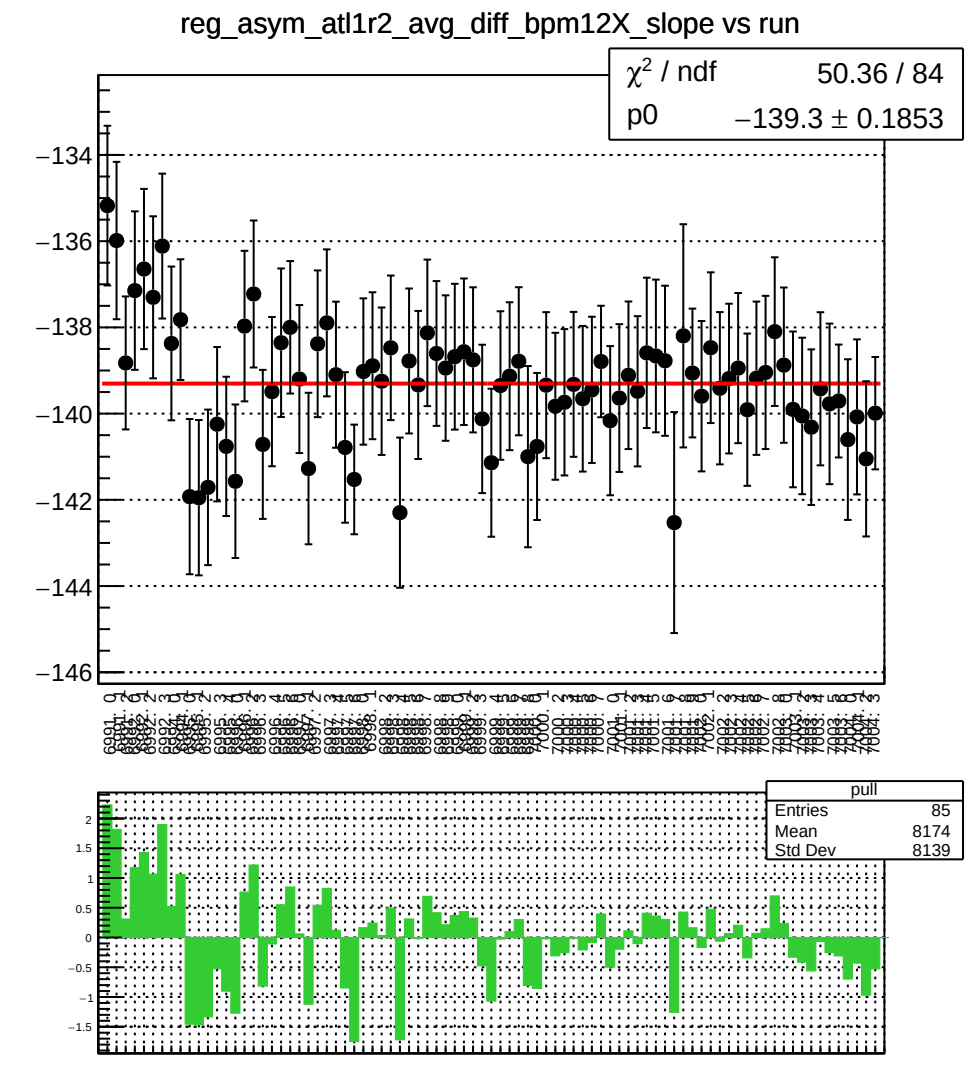

pull1D
Entries 85
Mean 0.003629
Std Dev 0.4226

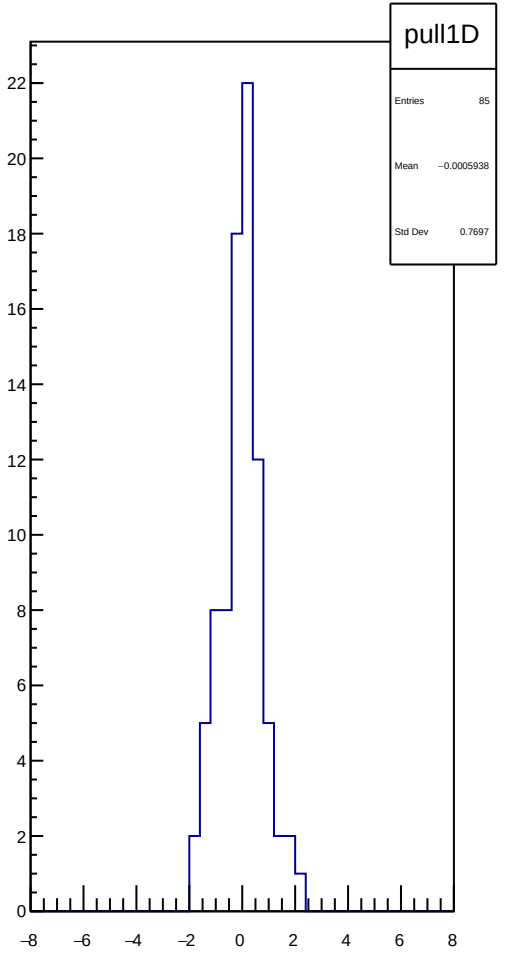

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.24 / 84
p0 −4.352 ± 3.835
pull
Entries 85
Mean −61.6
Std Dev 95.01

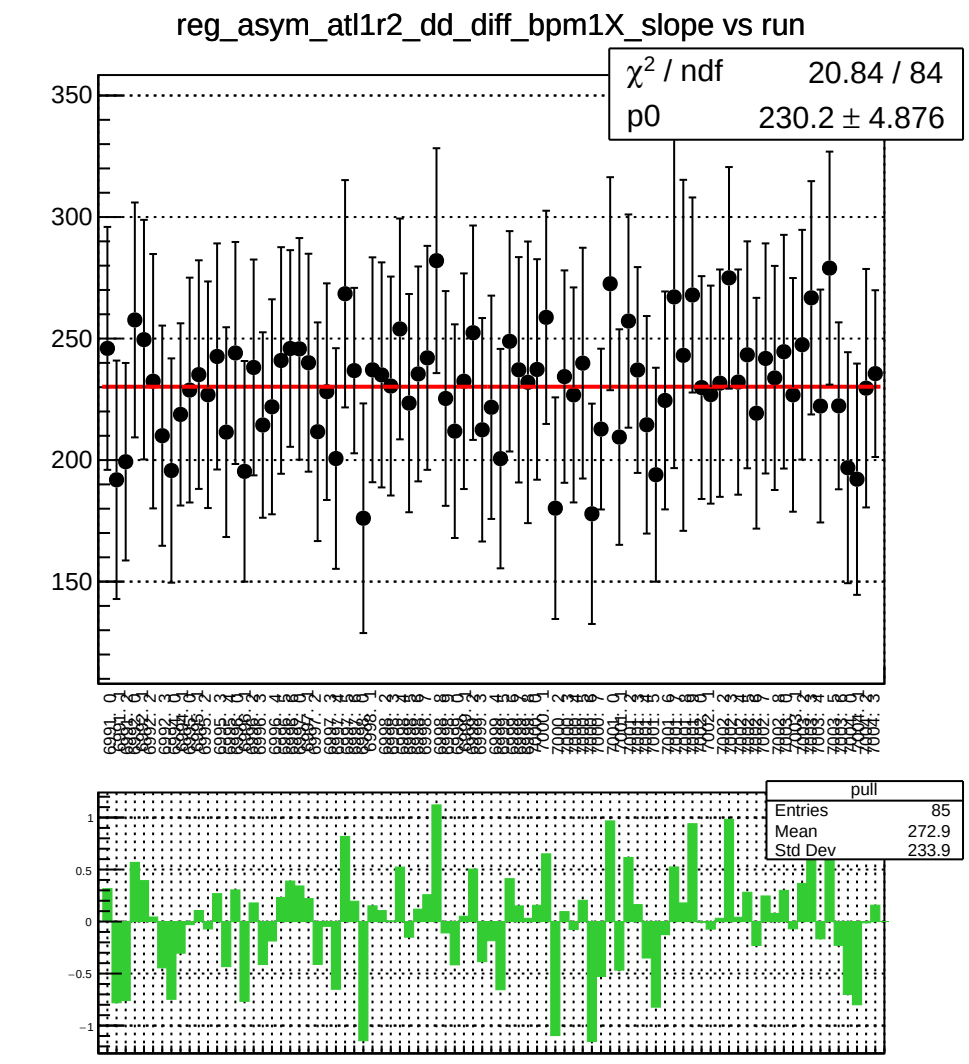

pull1D
Entries 85
Mean 0.004016
Std Dev 0.3947

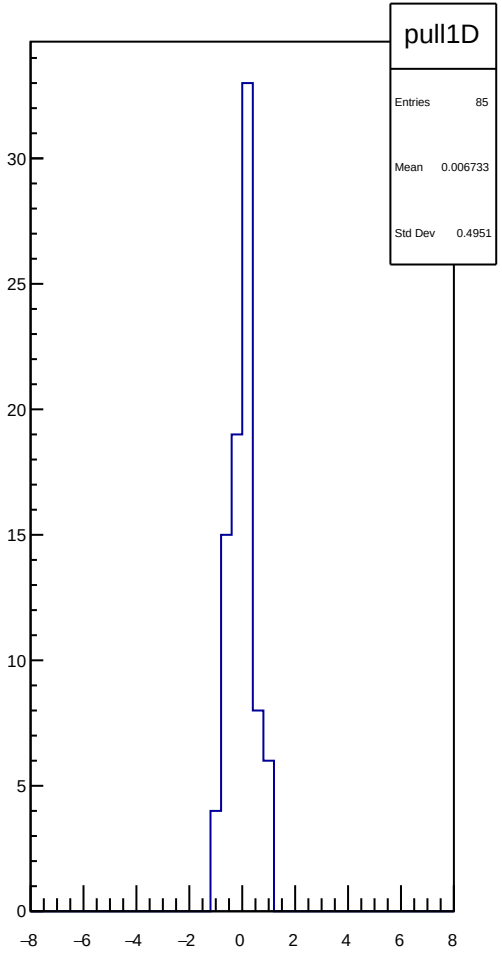

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.91 / 84
p0 314.7 ± 5.156
400
350
300
250
200
pull
Entries 85
Mean −238.6
Std Dev 234.8
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean −0.002755
Std Dev 0.446
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

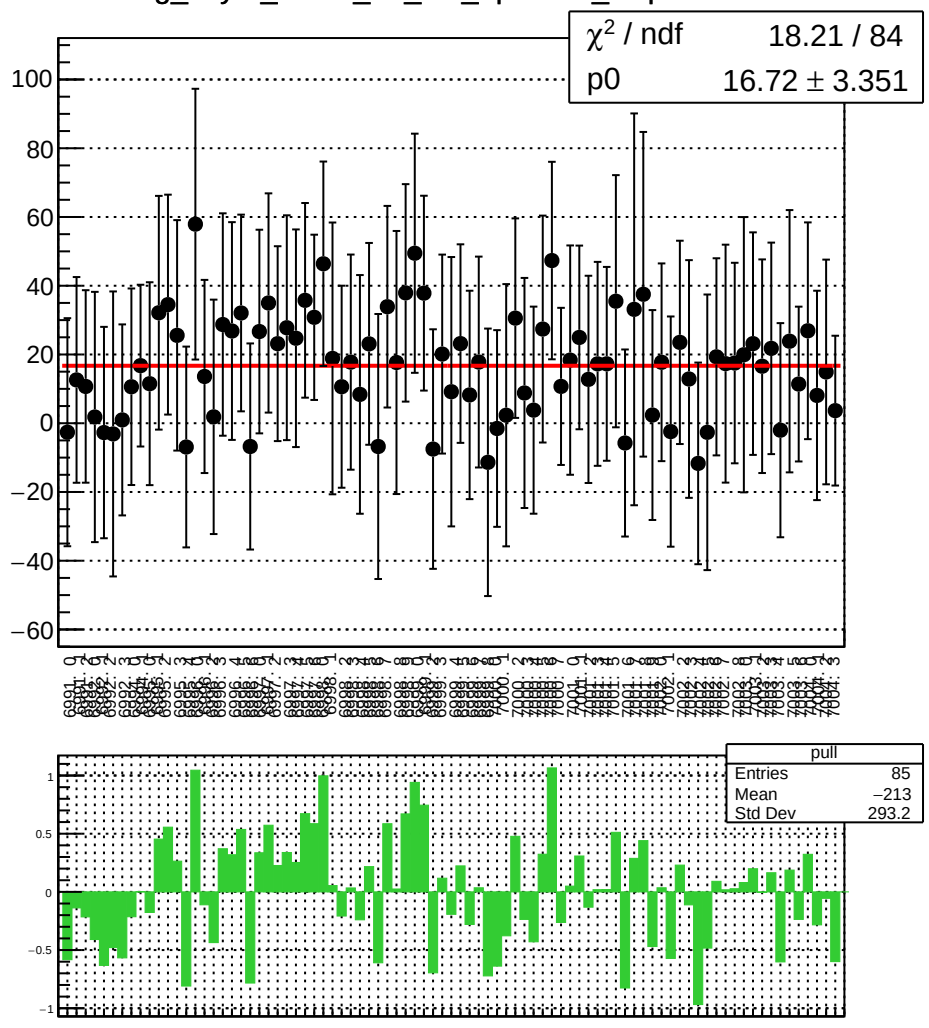

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.76 / 84
p0 67.35 ± 4.046
pull
Entries 85
Mean −12.79
Std Dev 25.03
pull1D
Entries 85
Mean −0.002565
Std Dev 0.4024

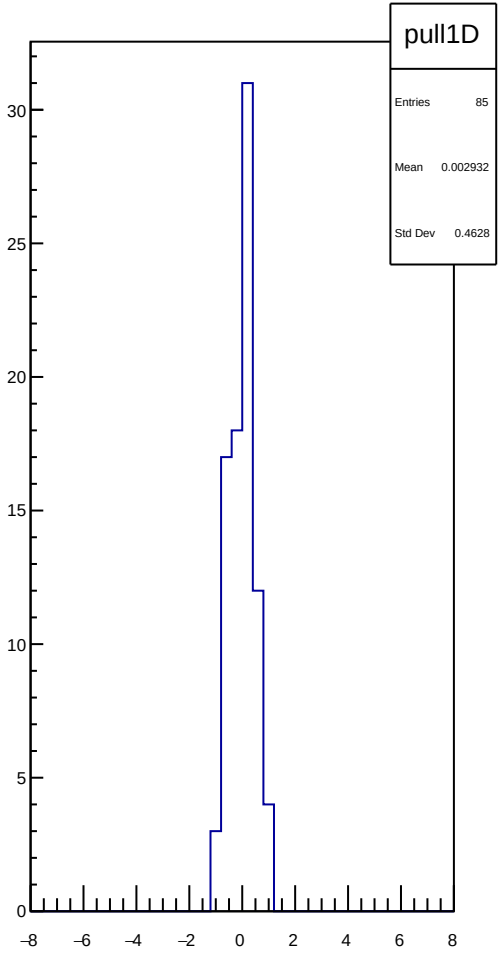

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 50.36 / 84
p0 −139.3 ± 0.1853
pull
Entries 85
Mean 8174
Std Dev 8139

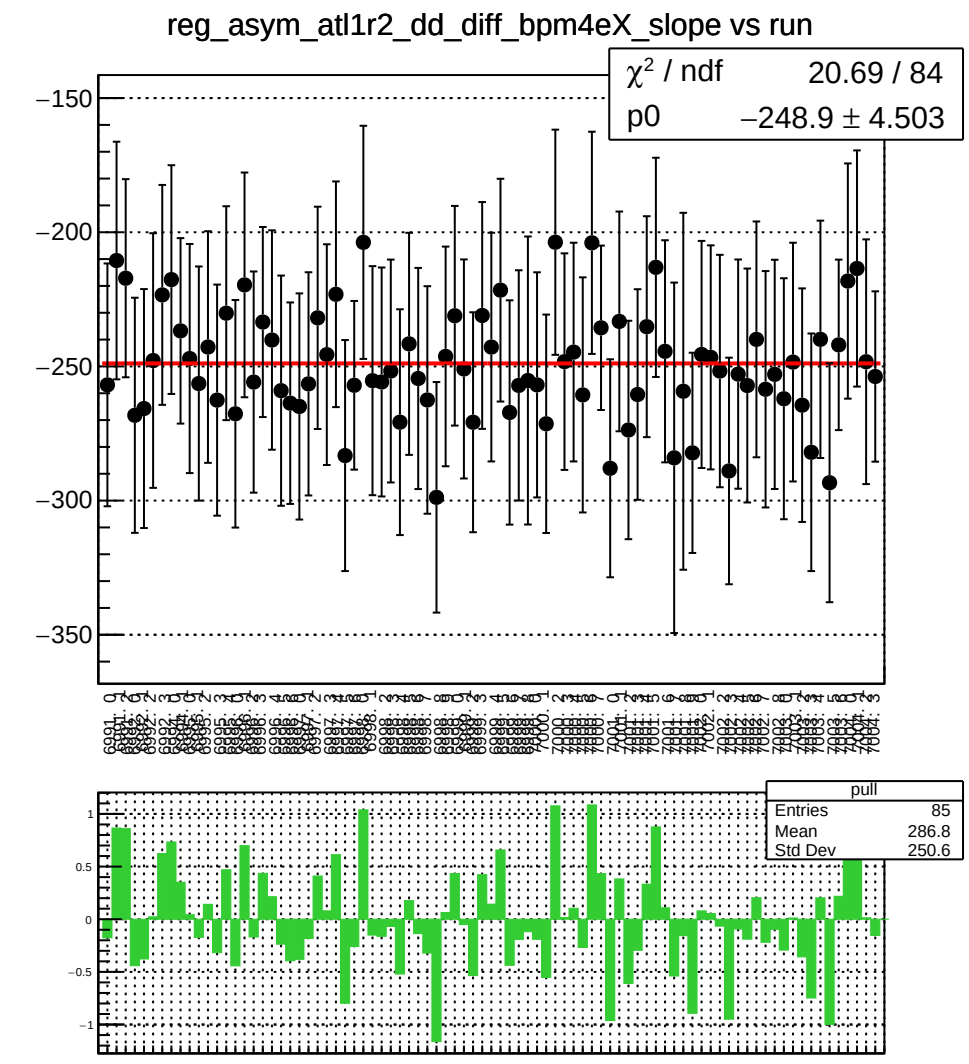

pull1D
Entries 85
Mean −0.0005938
Std Dev 0.7697

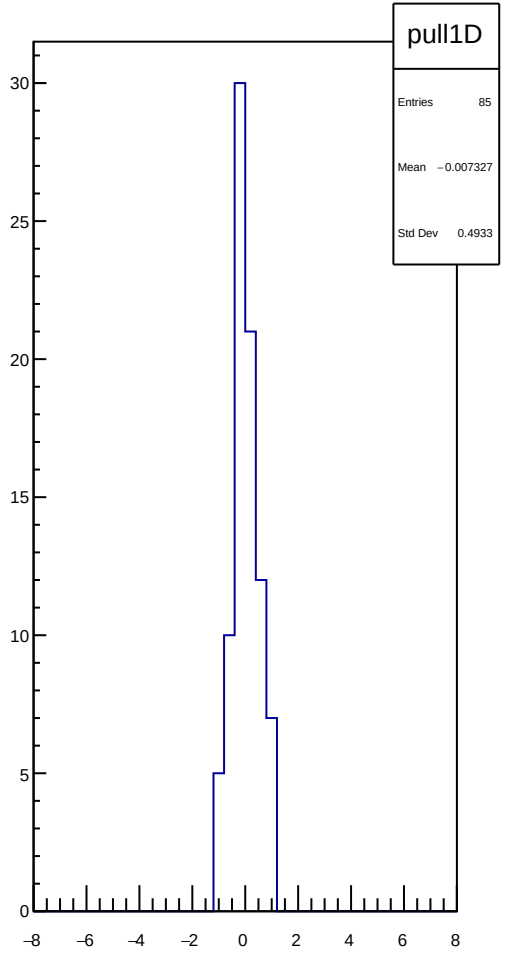

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 20.84 / 84
p0 230.2 ± 4.876
350
300
250
200
150
pull
Entries 85
Mean 272.9
Std Dev 233.9
1
0.5
0
−0.5
−1

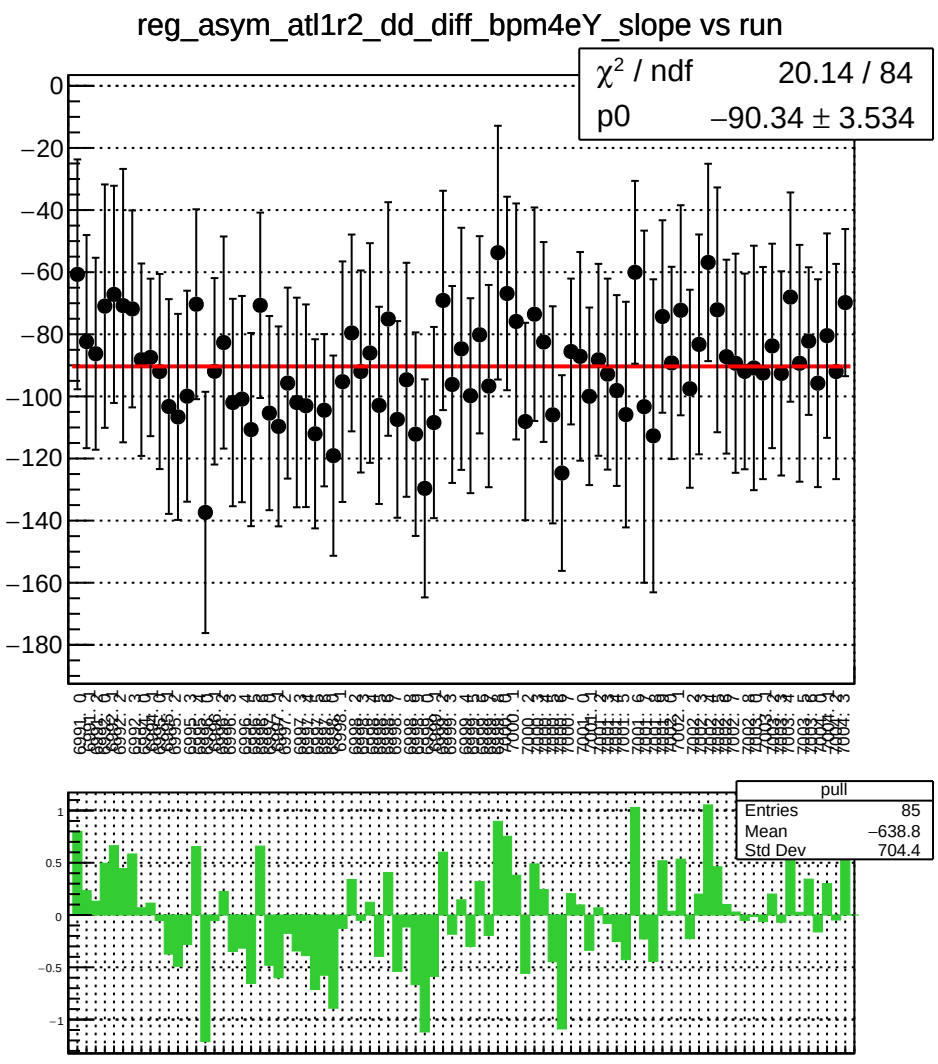

pull1D
Entries 85
Mean 0.006733
Std Dev 0.4951
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

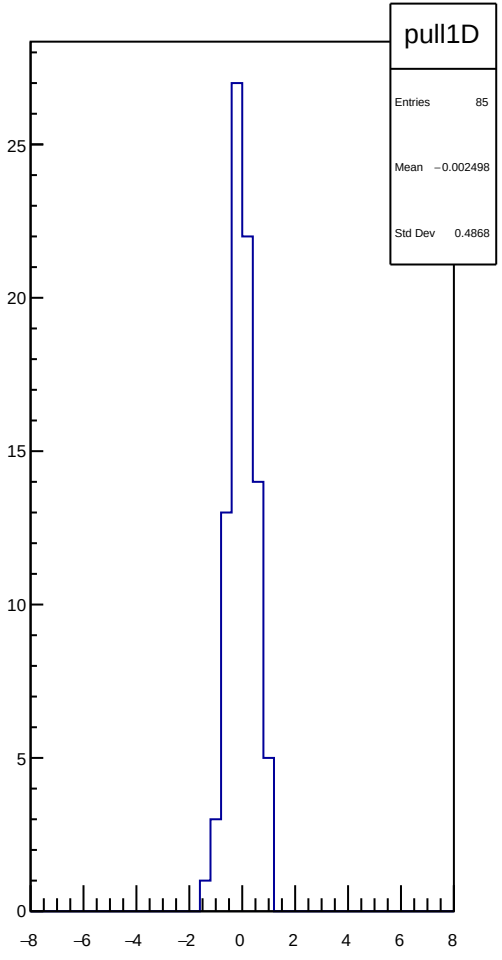

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.21 / 84
p0 16.72 ± 3.351
pull
Entries 85
Mean −213
Std Dev 293.2

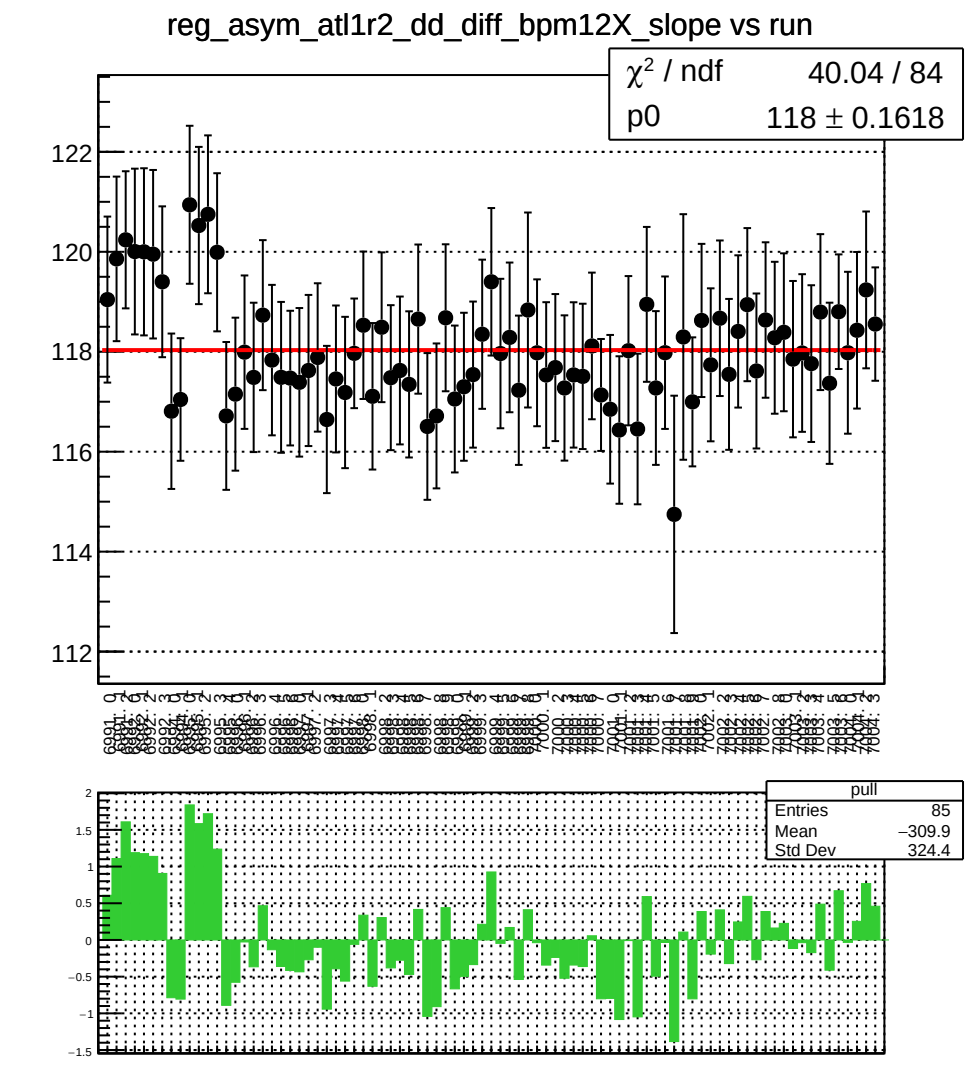

pull1D
Entries 85
Mean 0.002932
Std Dev 0.4628

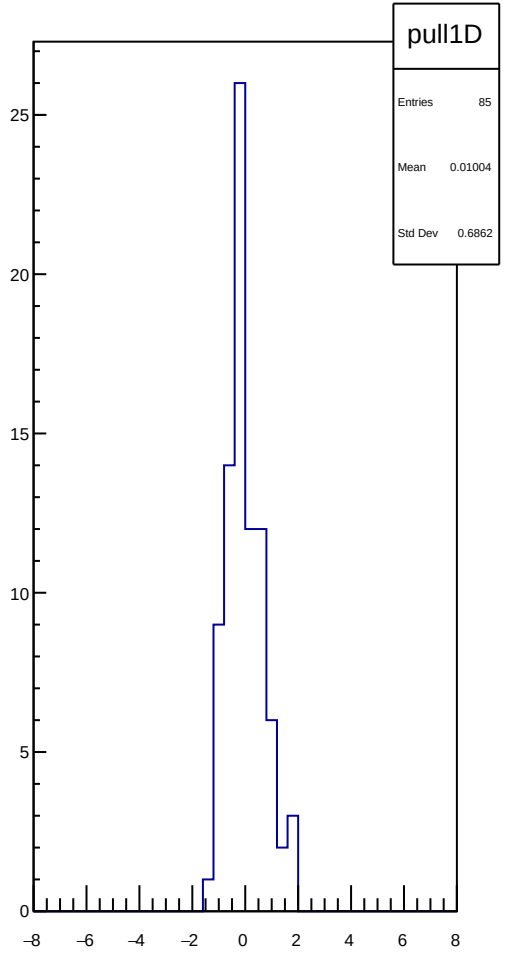

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 20.69 / 84
p0 −248.9 ± 4.503
−150
−200
−250
−300
−350
pull
Entries 85
Mean 286.8
Std Dev 250.6
1
0.5
0
−0.5
−1

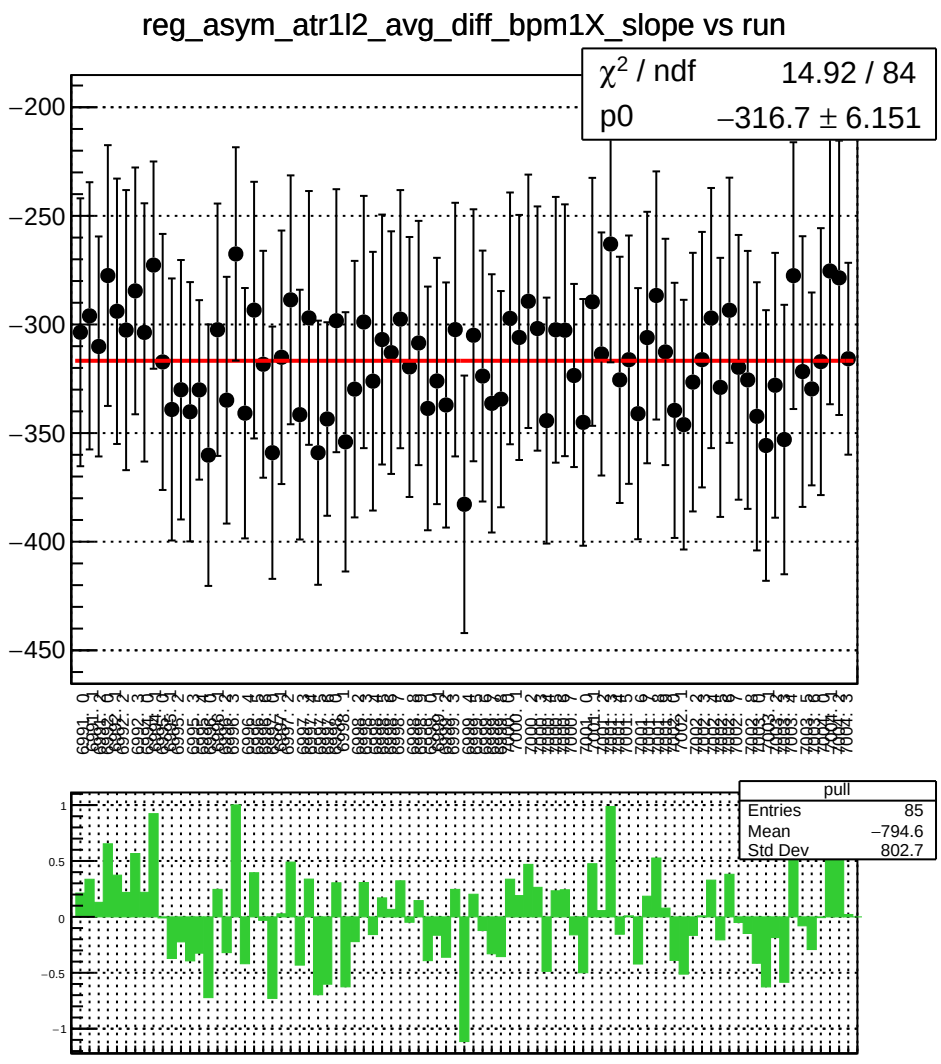

pull1D
Entries 85
Mean −0.007327
Std Dev 0.4933
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

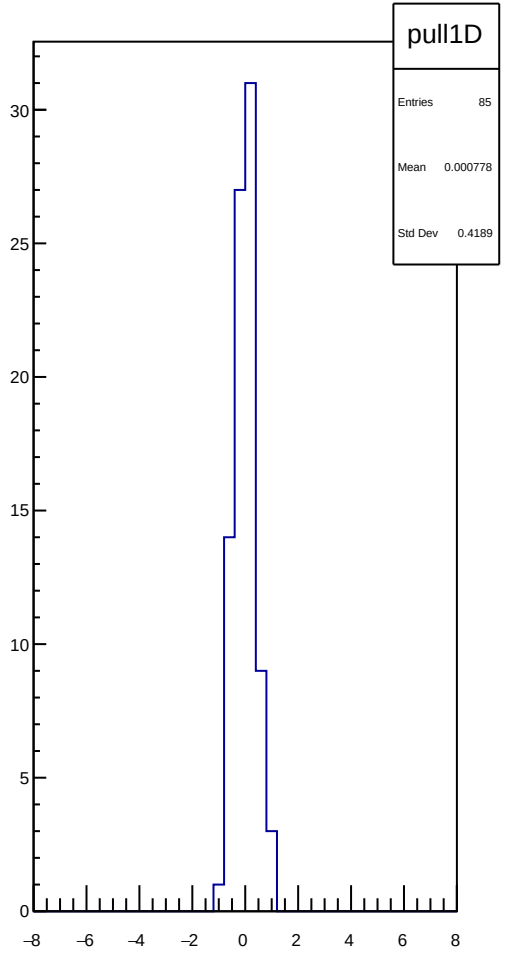

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.14 / 84
p0 −90.34 ± 3.534
pull
Entries 85
Mean −638.8
Std Dev 704.4

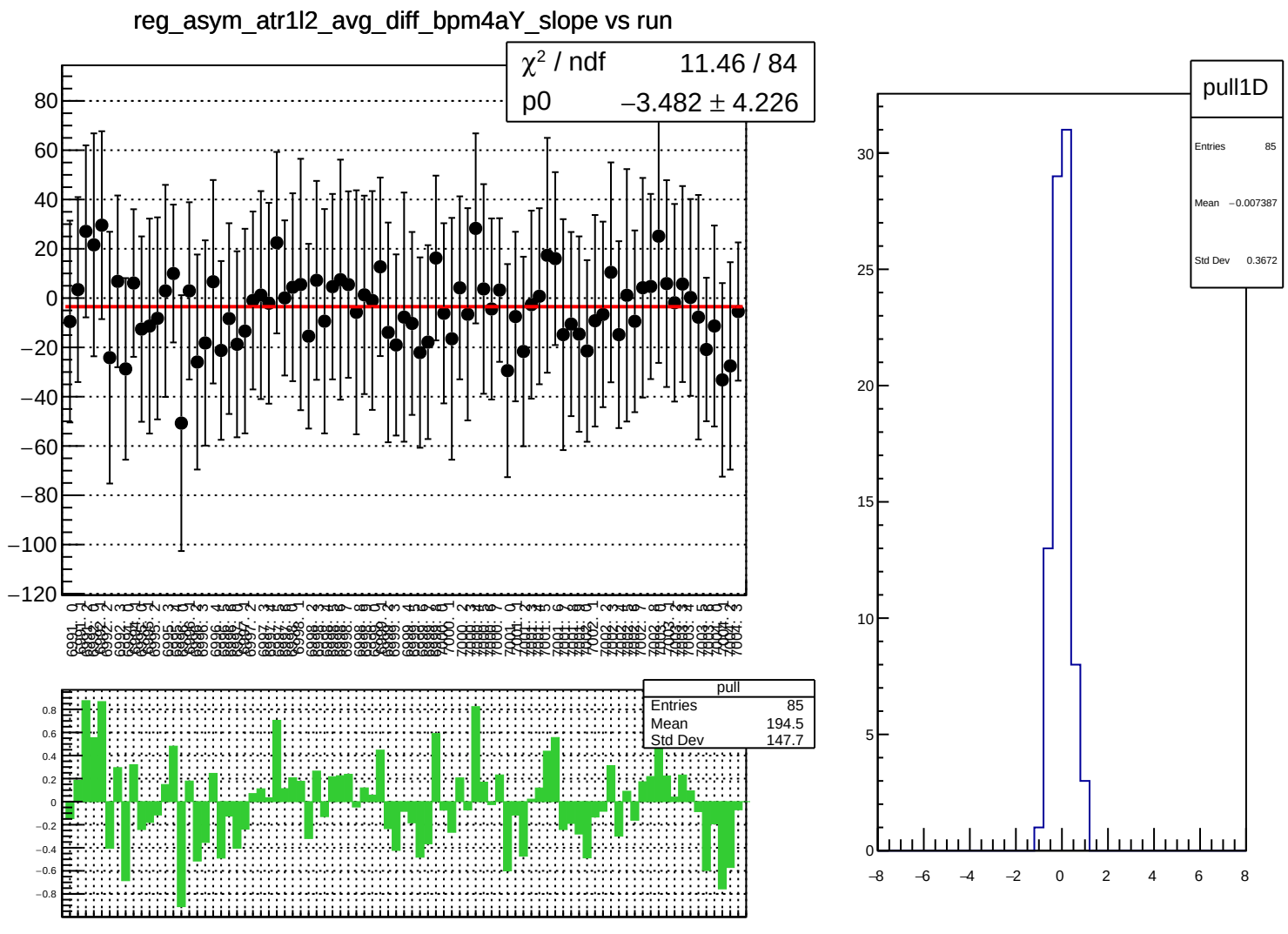

pull1D
Entries 85
Mean −0.002498
Std Dev 0.4868

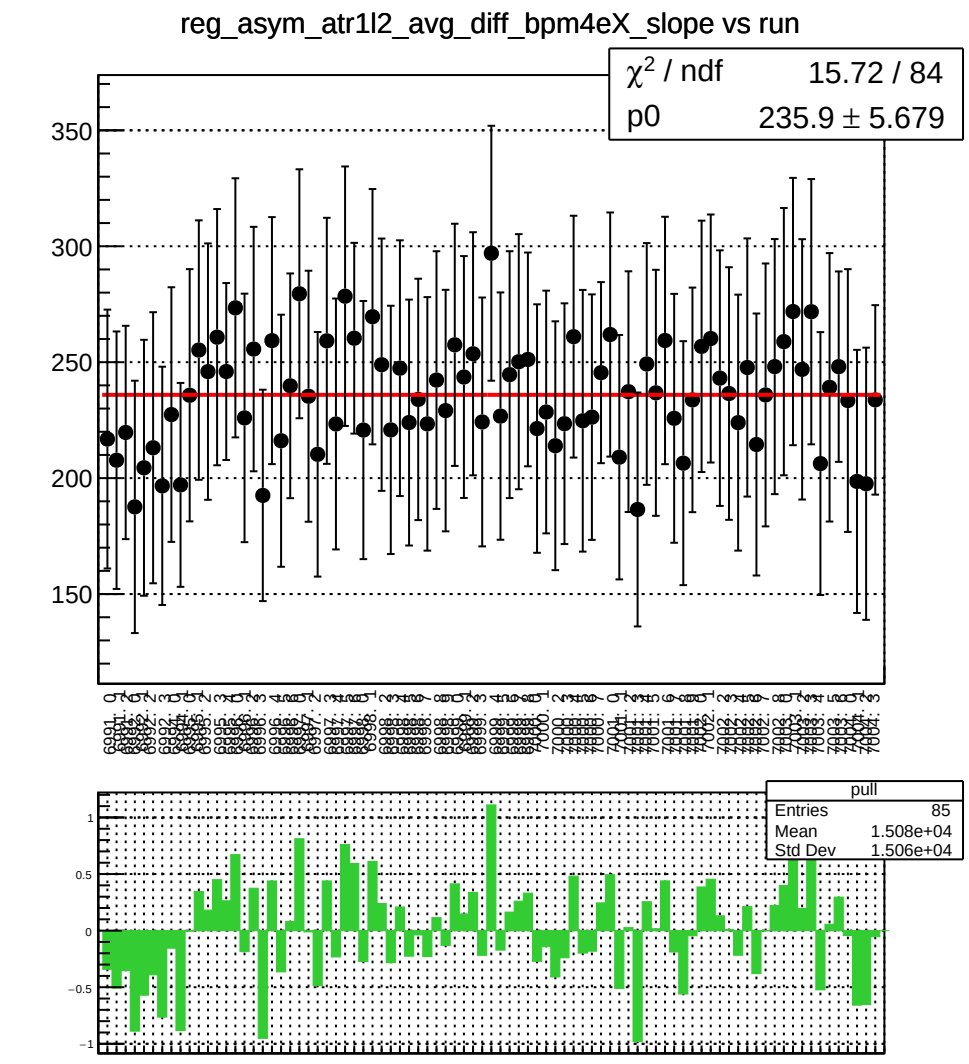

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 40.04 / 84
p0 118 ± 0.1618
122
120
118
116
114
112
pull
Entries 85
Mean −309.9
Std Dev 324.4
2
1.5
1
0.5
0
−0.5
−1
−1.5

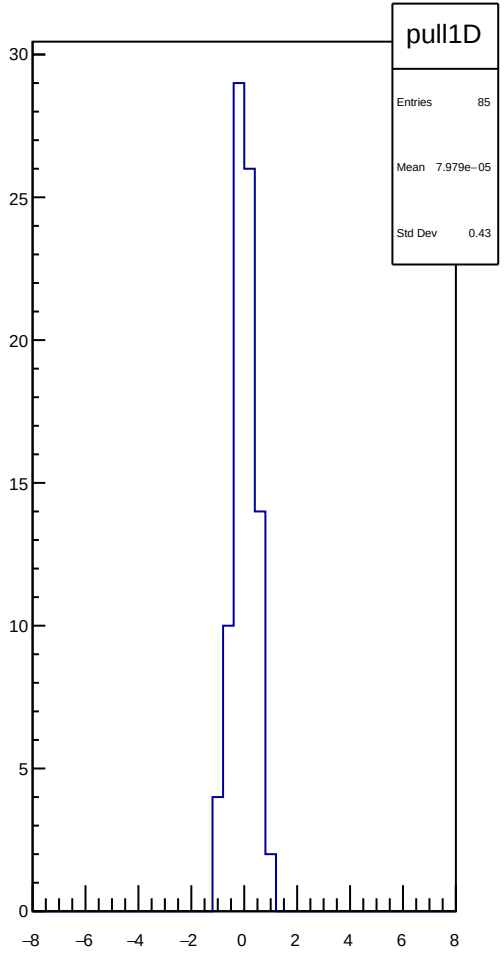

pull1D
Entries 85
Mean 0.01004
Std Dev 0.6862
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

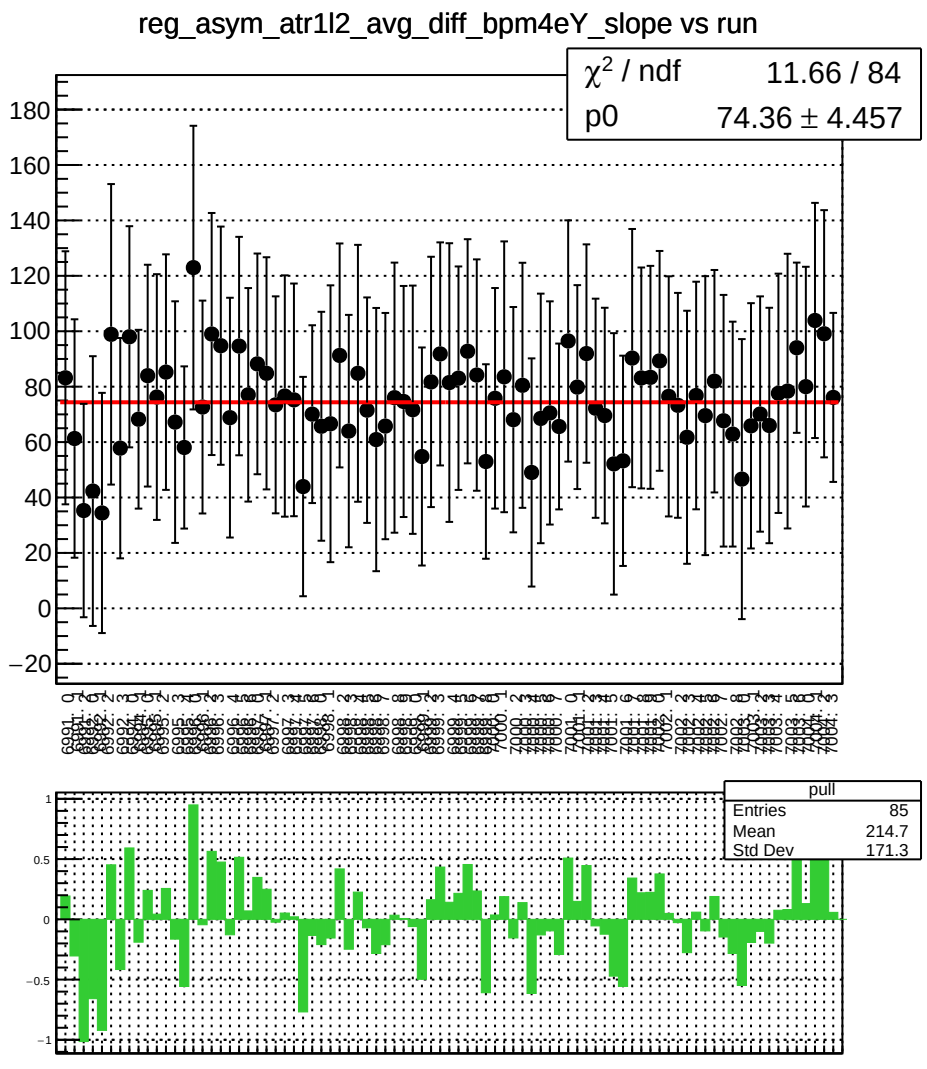

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 14.92 / 84
p0 −316.7 ± 6.151
−200
−250
−300
−350
−400
−450
pull
Entries 85
Mean −794.6
Std Dev 802.7
1
0.5
0
−0.5
−1

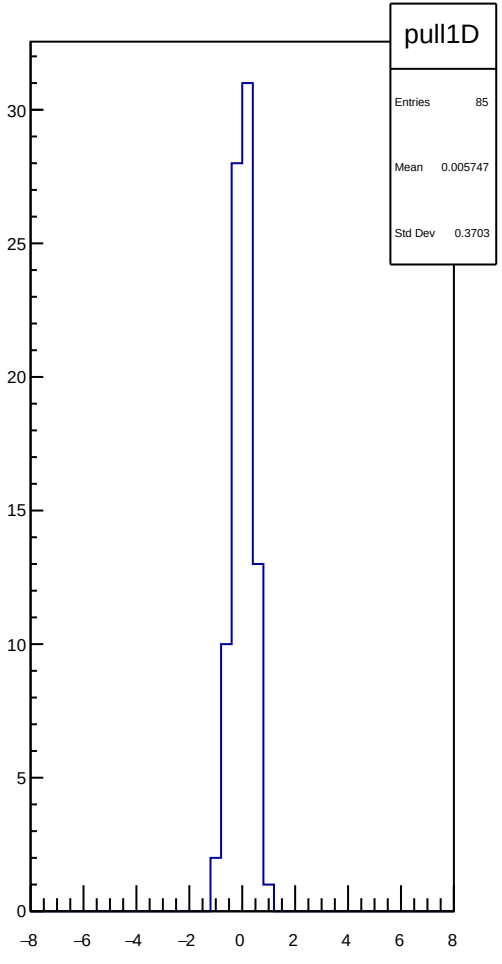

pull1D
Entries 85
Mean 0.000778
Std Dev 0.4189
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

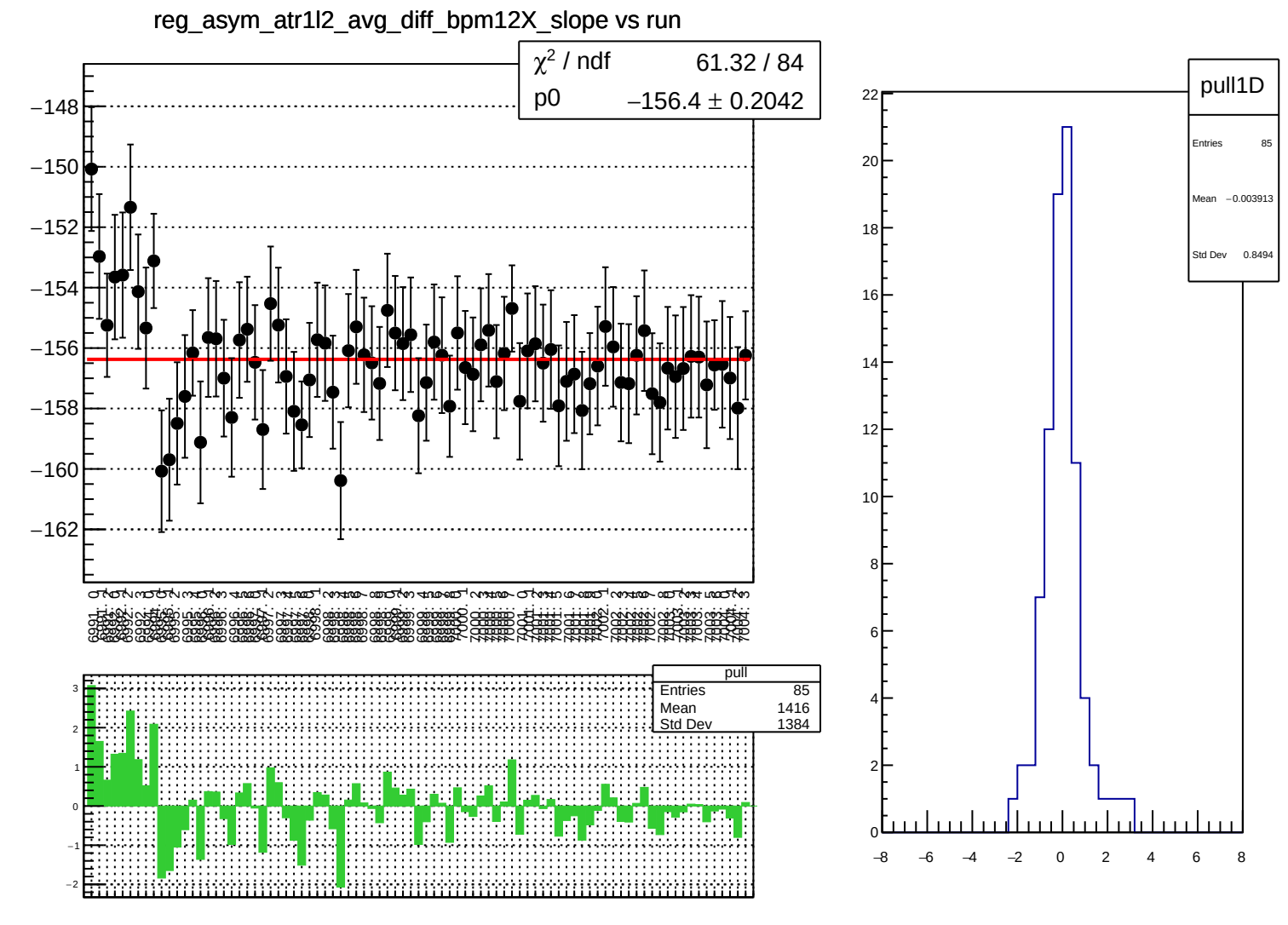

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.46 / 84
p0 −3.482 ± 4.226
pull
Entries 85
Mean 194.5
Std Dev 147.7
pull1D
Entries 85
Mean −0.007387
Std Dev 0.3672

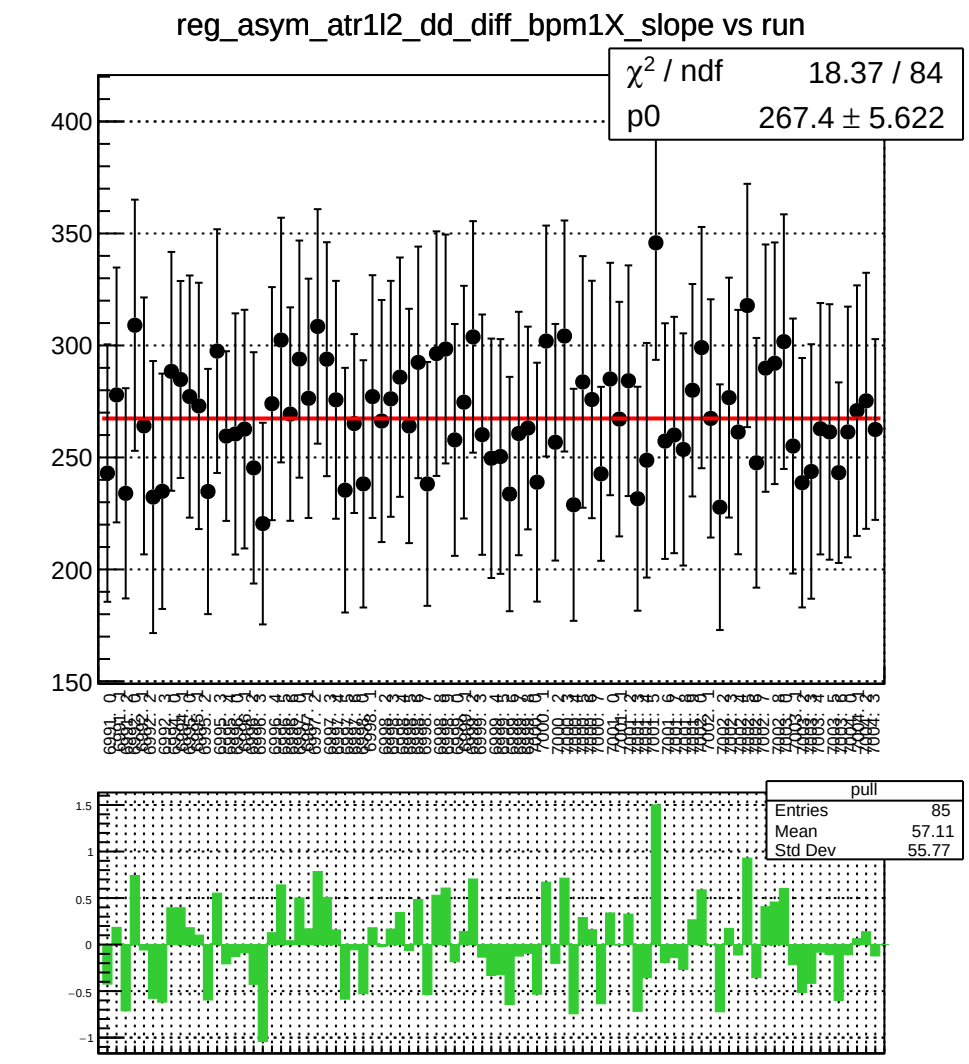

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.72 / 84
p0 235.9 ± 5.679
350
300
250
200
150
pull
Entries 85
Mean 1.508e+04
Std Dev 1.506e+04
1
0.5
0
−0.5
−1

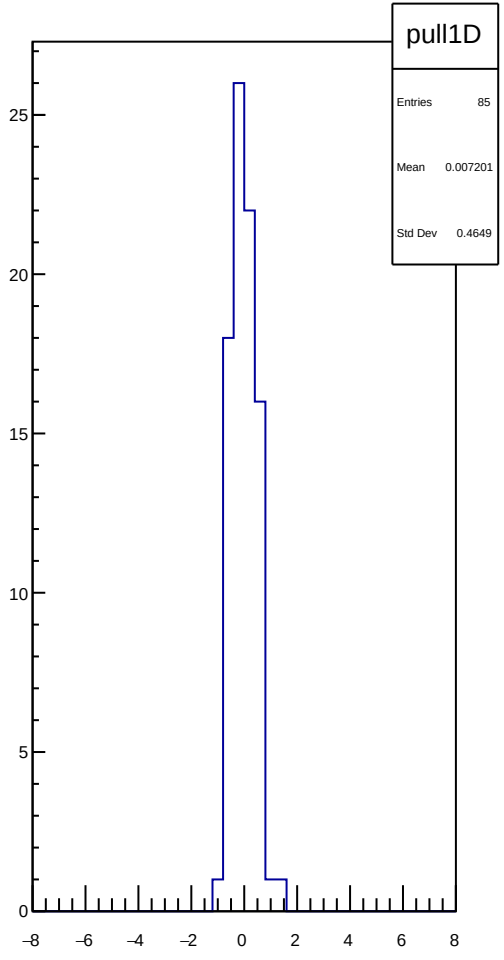

pull1D
Entries 85
Mean 7.979e−05
Std Dev 0.43
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

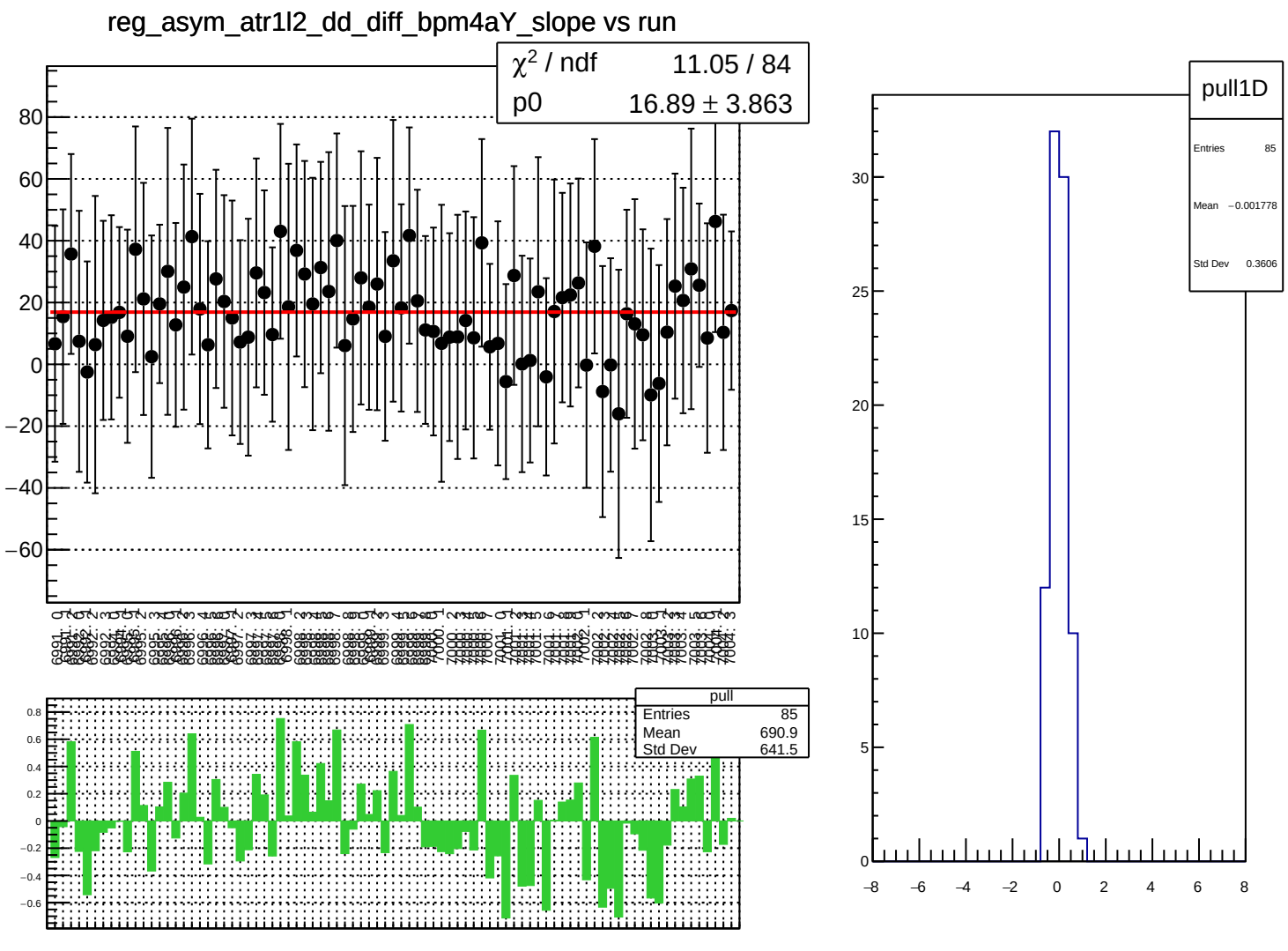

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.66 / 84
p0 74.36 ± 4.457
pull
Entries 85
Mean 214.7
Std Dev 171.3

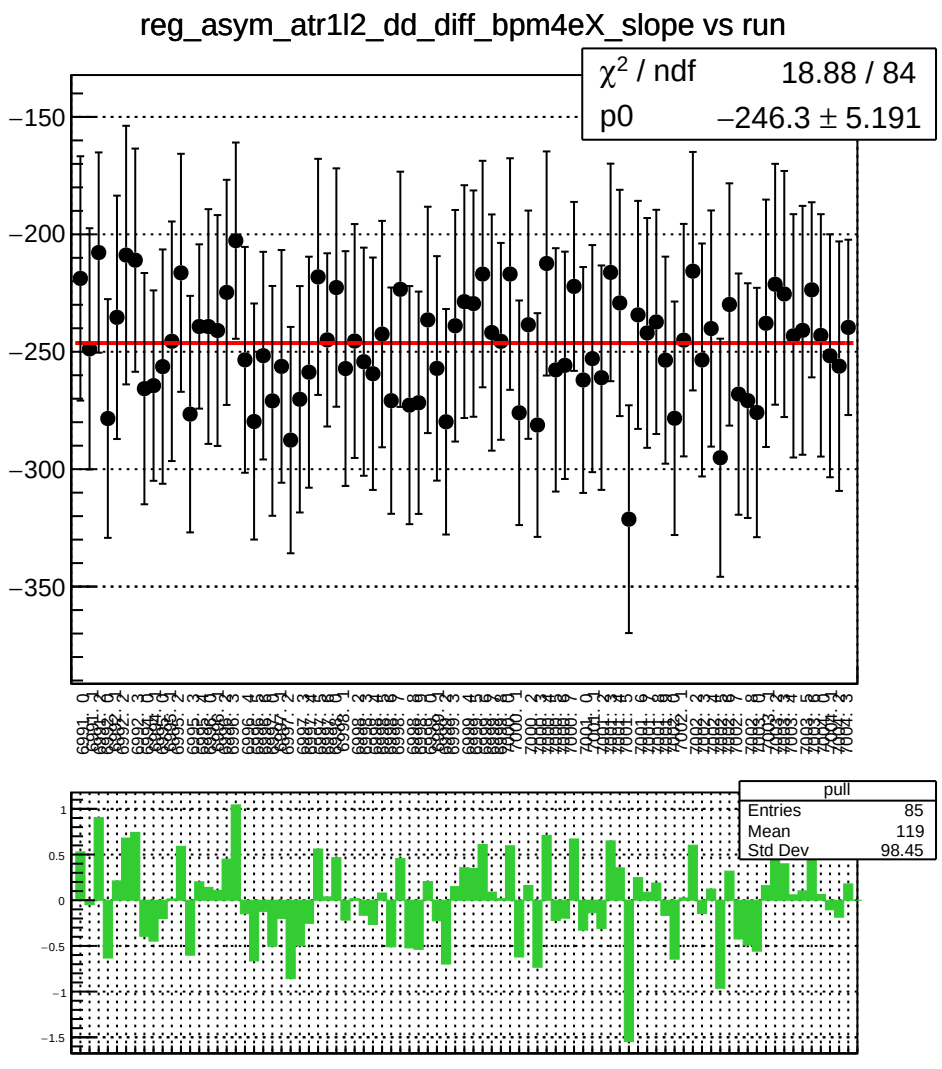

pull1D
Entries 85
Mean 0.005747
Std Dev 0.3703

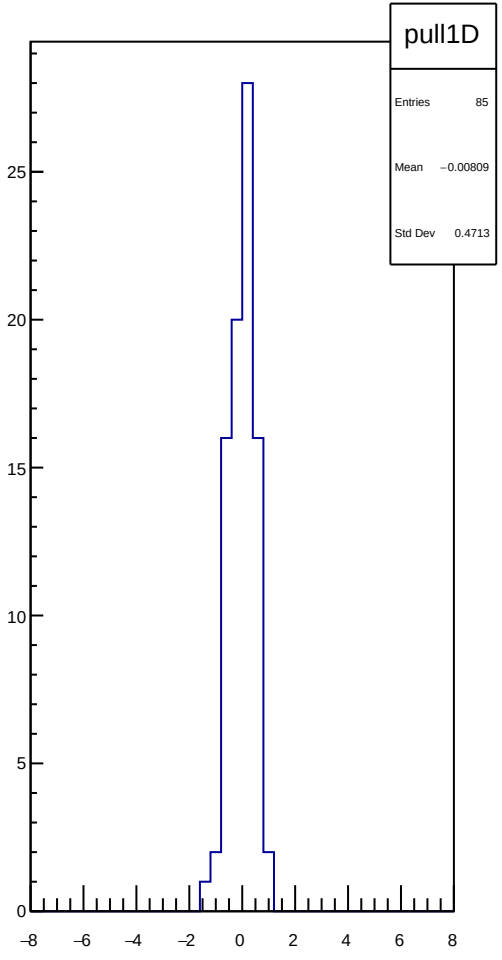

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 61.32 / 84
p0 −156.4 ± 0.2042
pull
Entries 85
Mean 1416
Std Dev 1384
pull1D
Entries 85
Mean −0.003913
Std Dev 0.8494

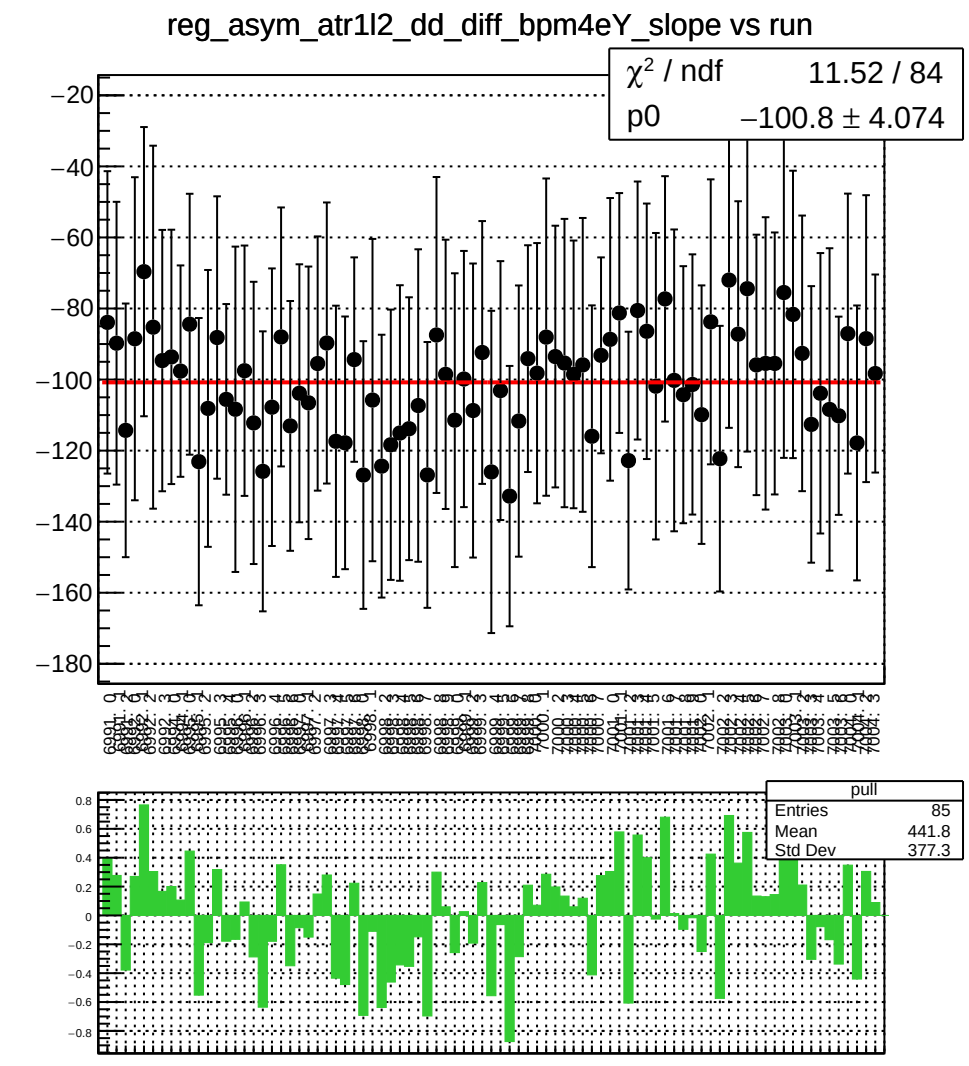

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 18.37 / 84
p0 267.4 ± 5.622
pull
Entries 85
Mean 57.11
Std Dev 55.77

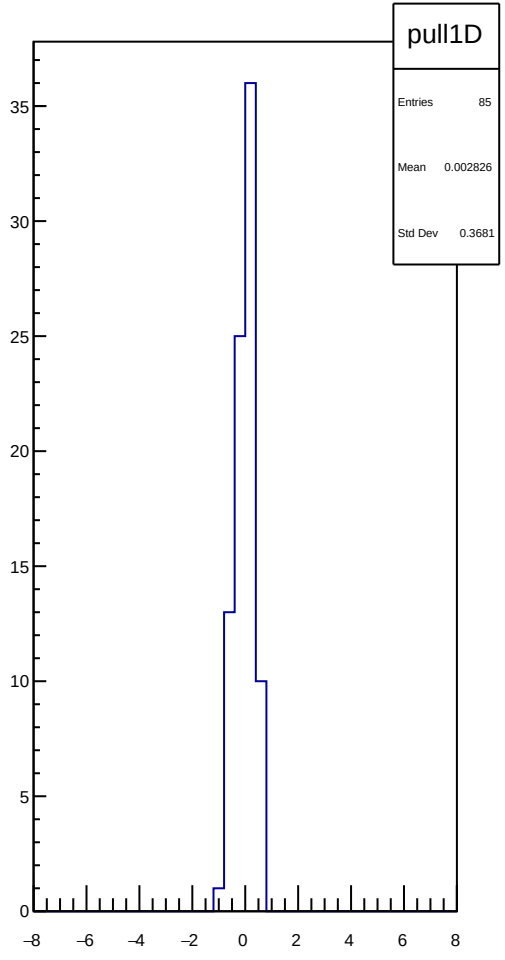

pull1D
Entries 85
Mean 0.007201
Std Dev 0.4649

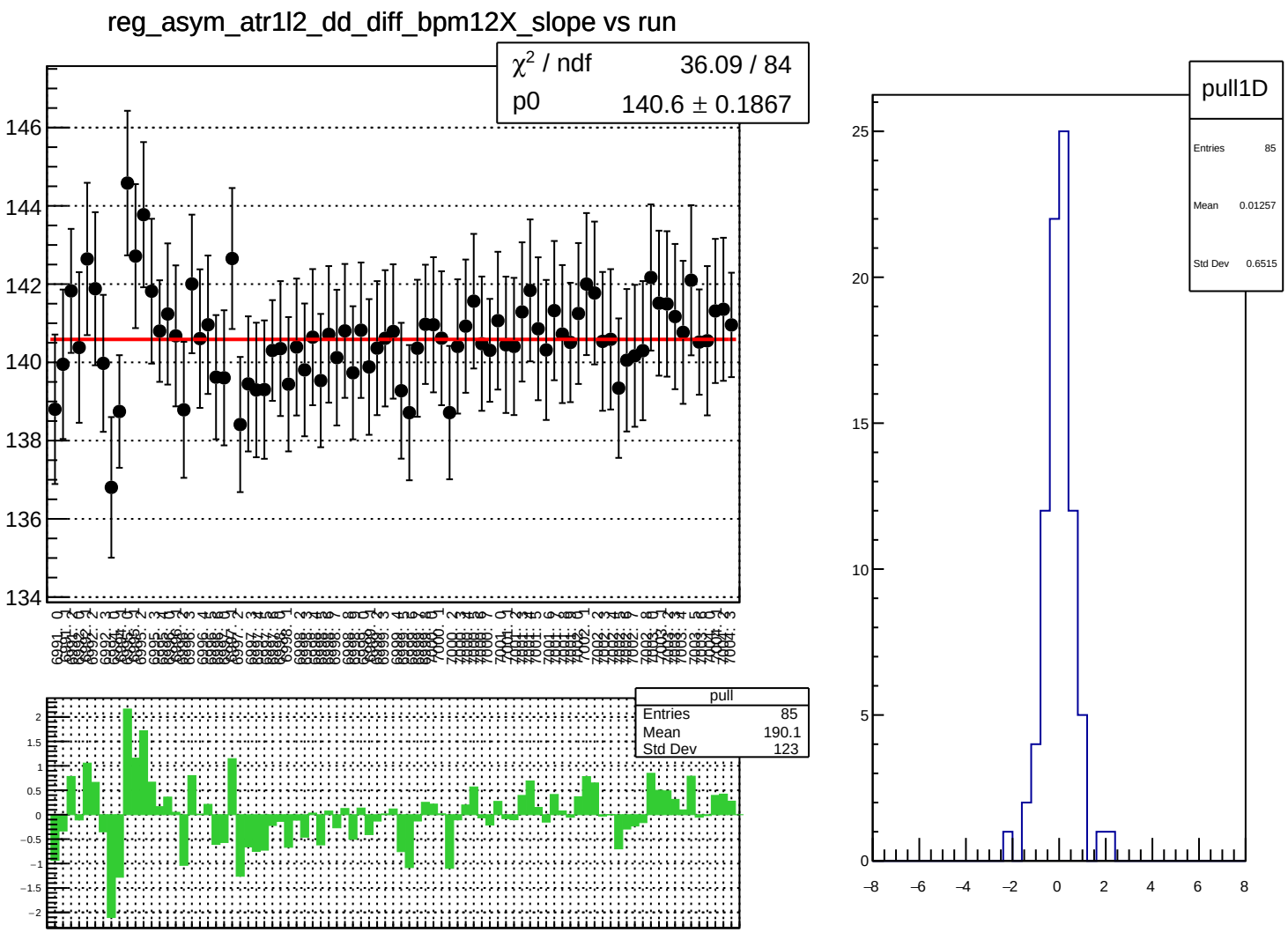

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.05 / 84
p0 16.89 ± 3.863
pull
Entries 85
Mean 690.9
Std Dev 641.5
pull1D
Entries 85
Mean −0.001778
Std Dev 0.3606

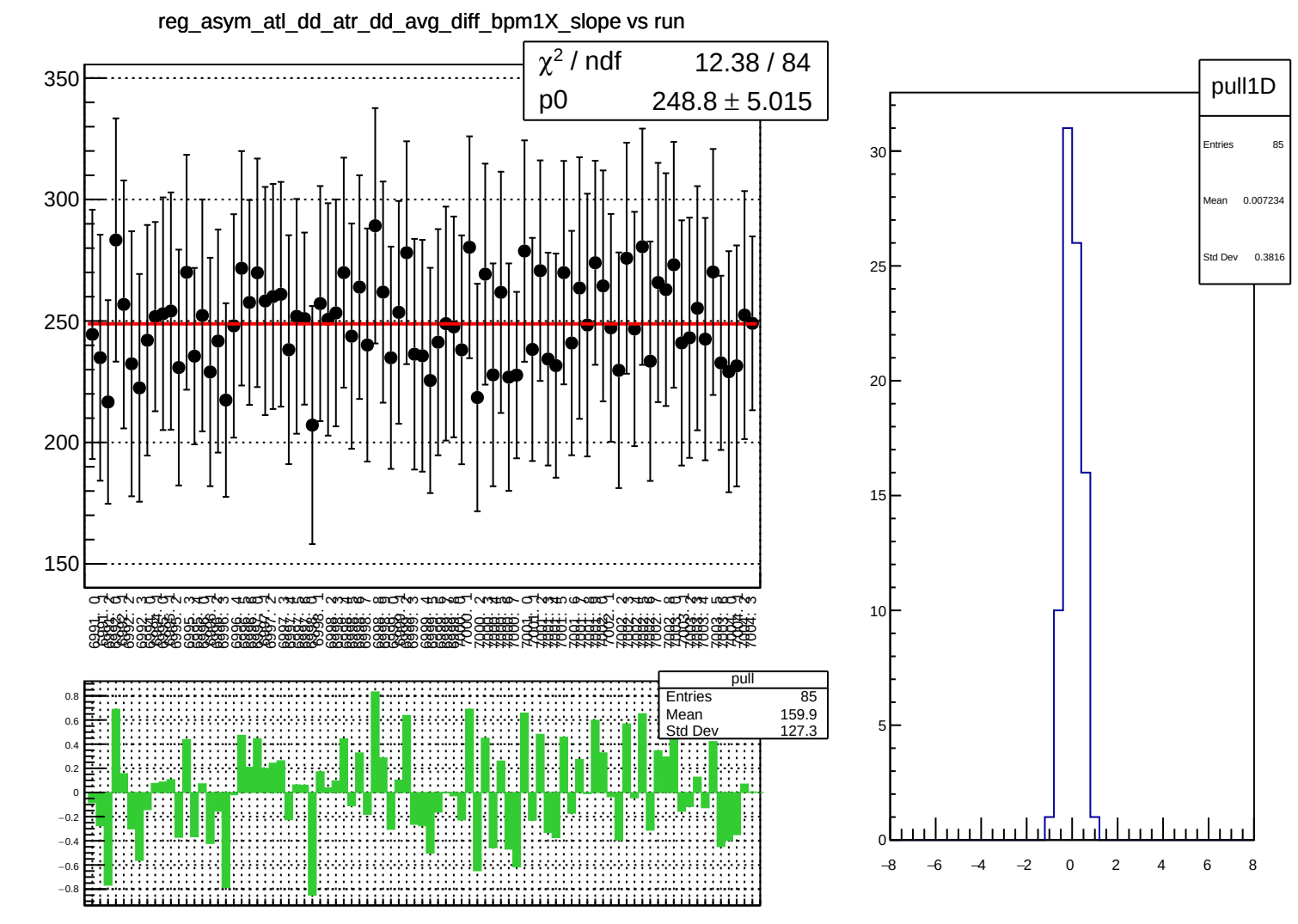

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.88 / 84
p0 −246.3 ± 5.191
−150
−200
−250
−300
−350
pull
Entries 85
Mean 119
Std Dev 98.45
1
0.5
0
−0.5
−1
−1.5

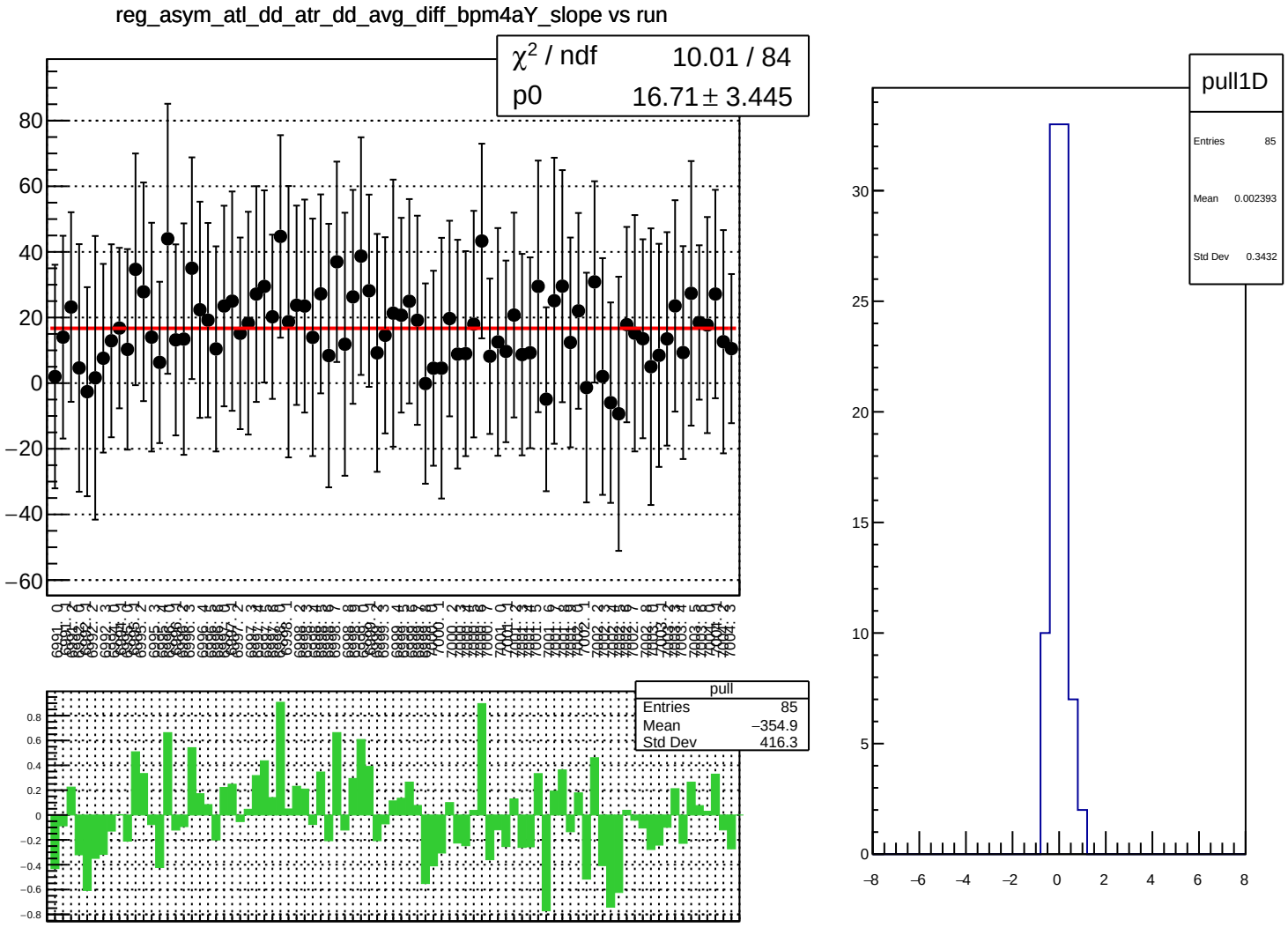

pull1D
Entries 85
Mean −0.00809
Std Dev 0.4713
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

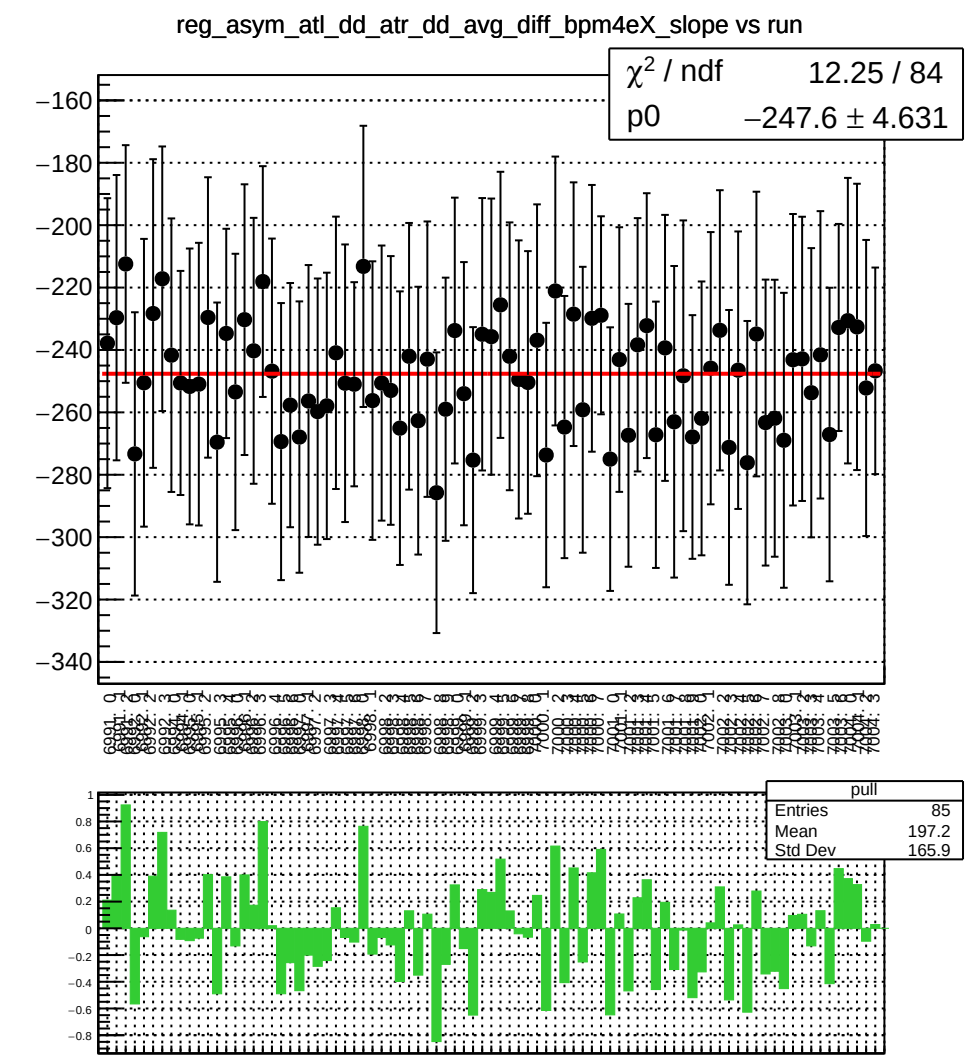

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.52 / 84
p0 −100.8 ± 4.074
pull
Entries 85
Mean 441.8
Std Dev 377.3

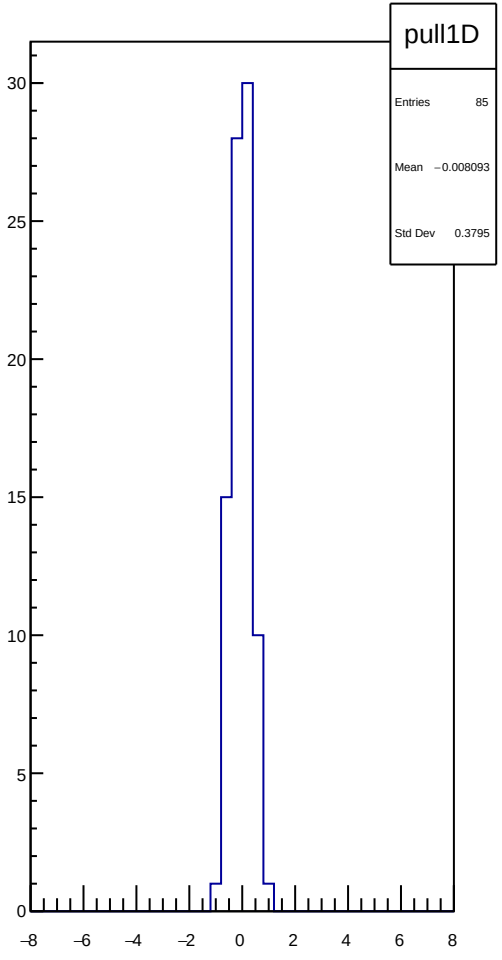

pull1D
Entries 85
Mean 0.002826
Std Dev 0.3681

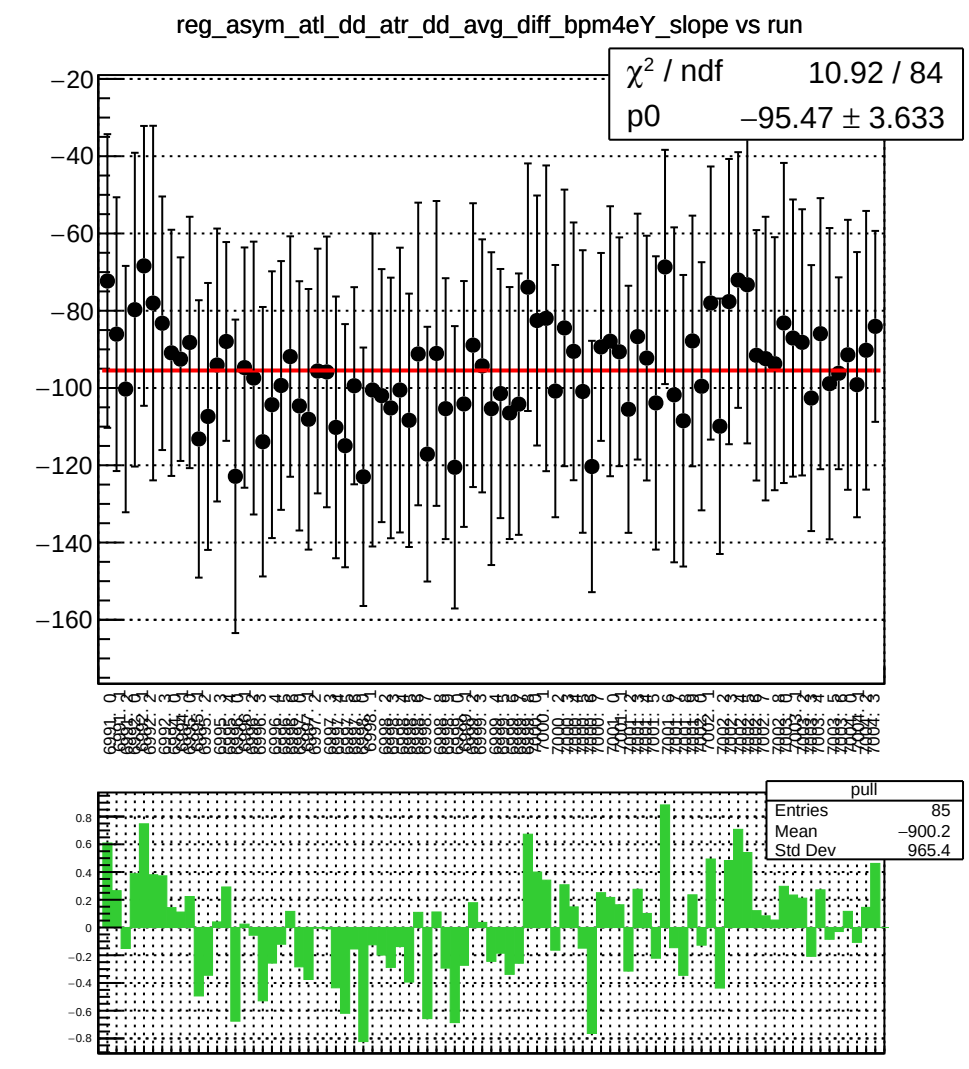

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 36.09 / 84
p0 140.6 ± 0.1867
146
144
142
140
138
136
134
pull
Entries 85
Mean 190.1
Std Dev 123
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean 0.01257
Std Dev 0.6515
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

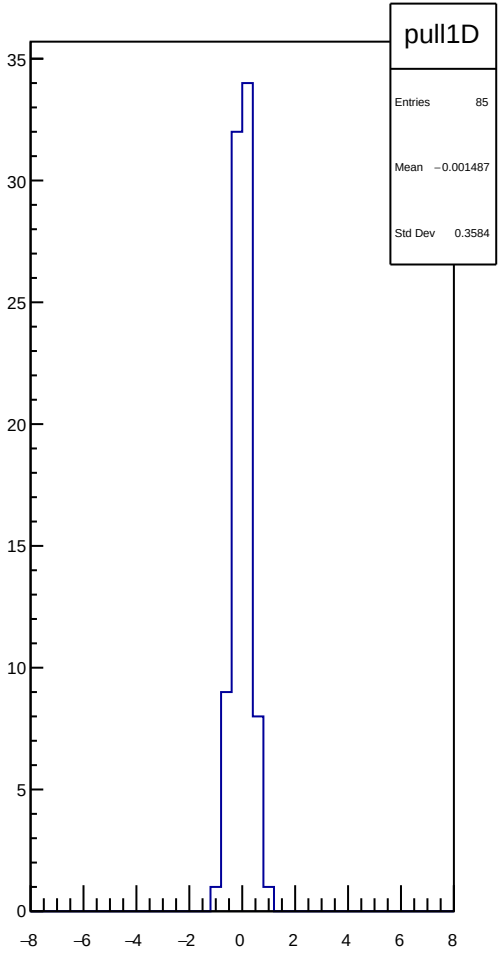

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 12.38 / 84
p0 248.8 ± 5.015
350
300
250
200
150
pull
Entries 85
Mean 159.9
Std Dev 127.3
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 85
Mean 0.007234
Std Dev 0.3816
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

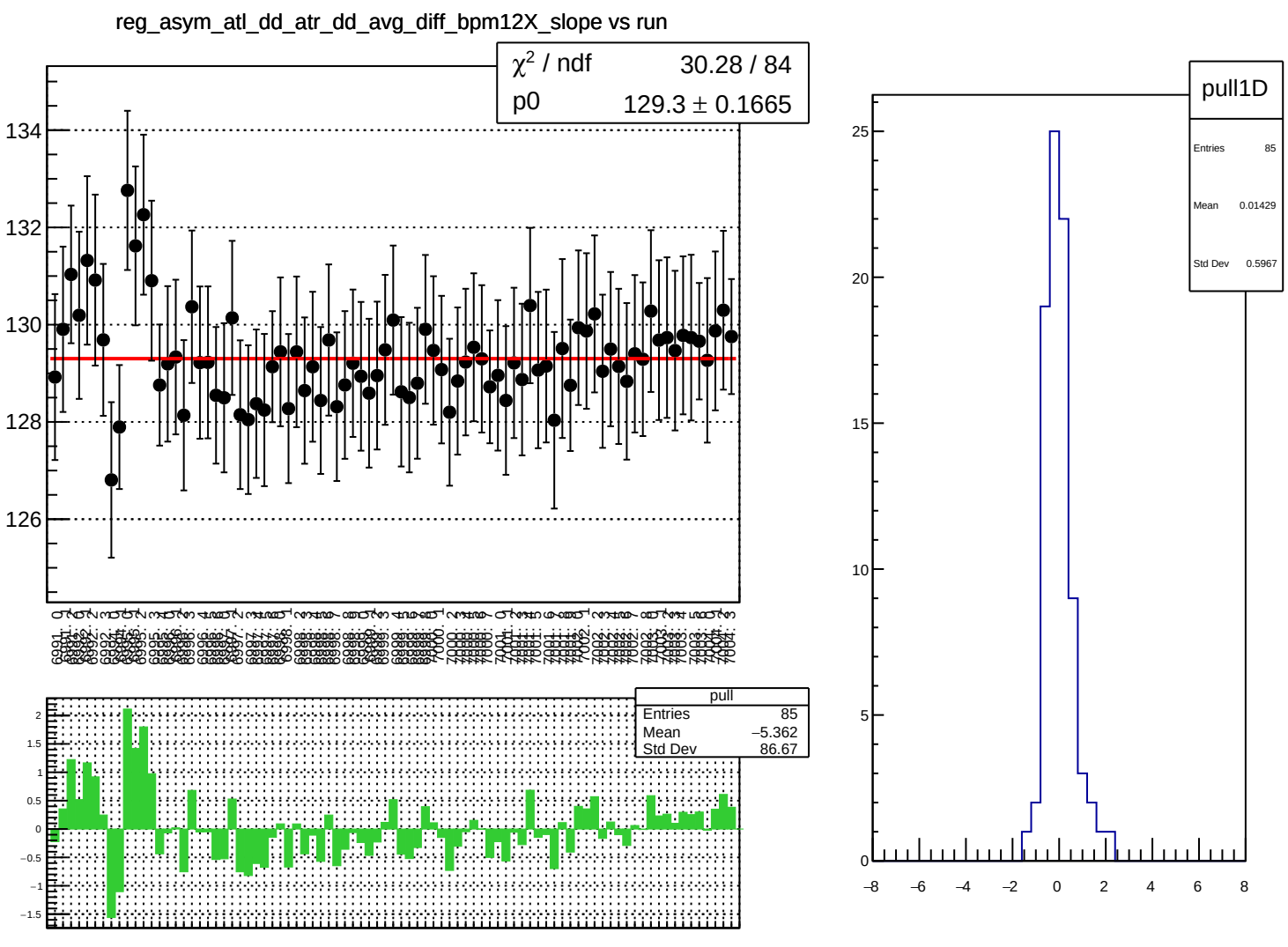

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.01 / 84
p0 16.71 ± 3.445
pull
Entries 85
Mean −354.9
Std Dev 416.3
pull1D
Entries 85
Mean 0.002393
Std Dev 0.3432

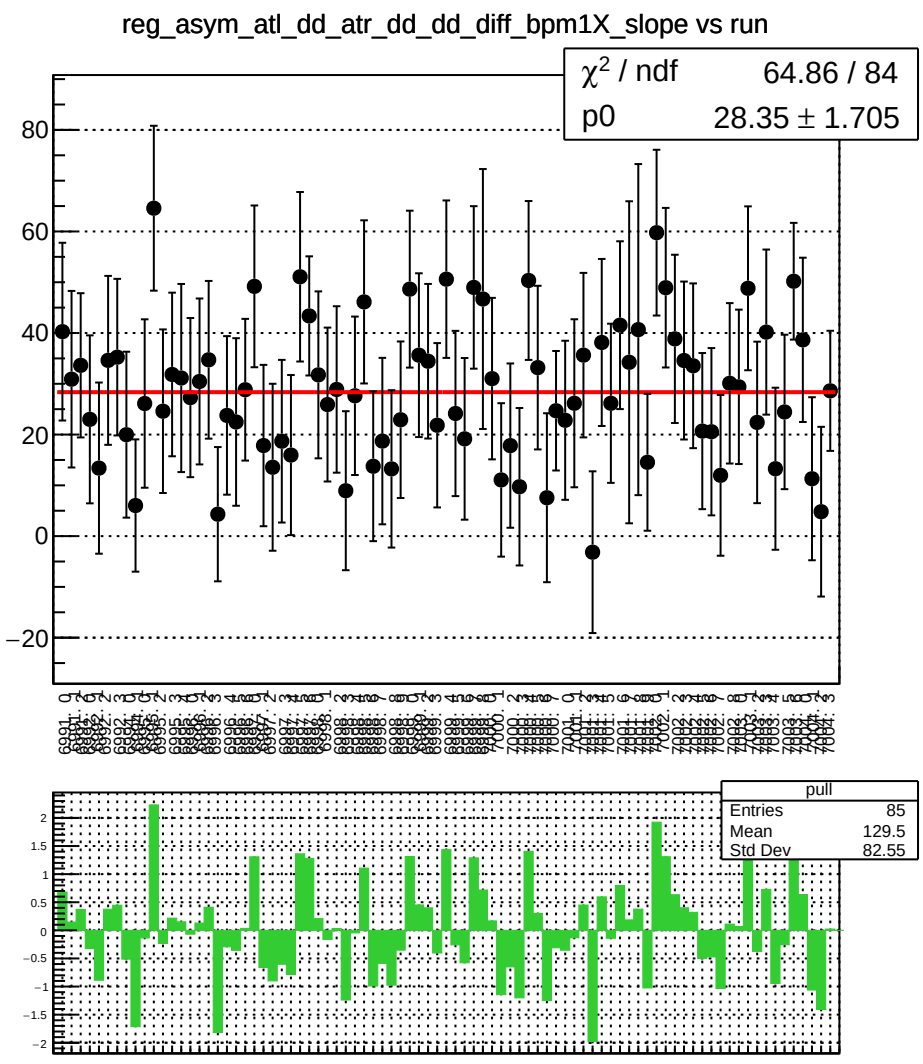

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.25 / 84
p0 −247.6 ± 4.631
pull
Entries 85
Mean 197.2
Std Dev 165.9

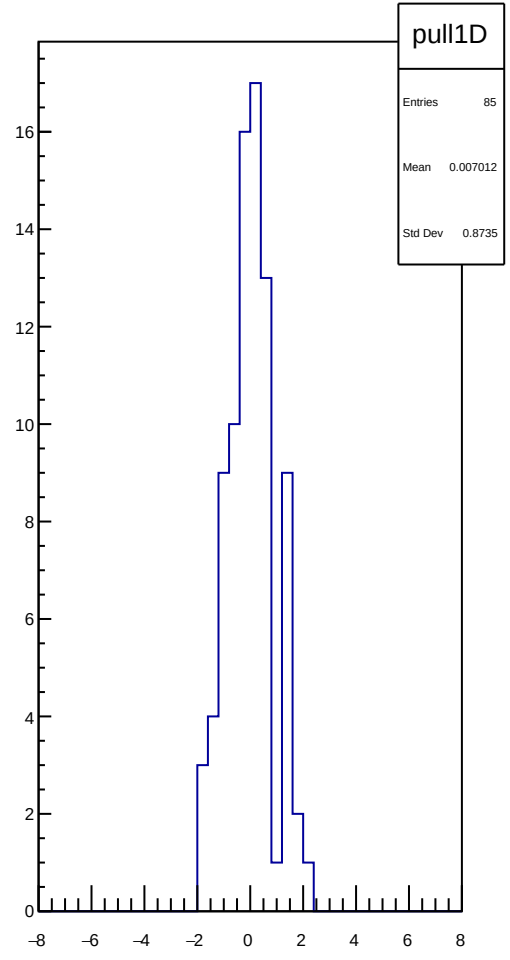

pull1D
Entries 85
Mean −0.008093
Std Dev 0.3795

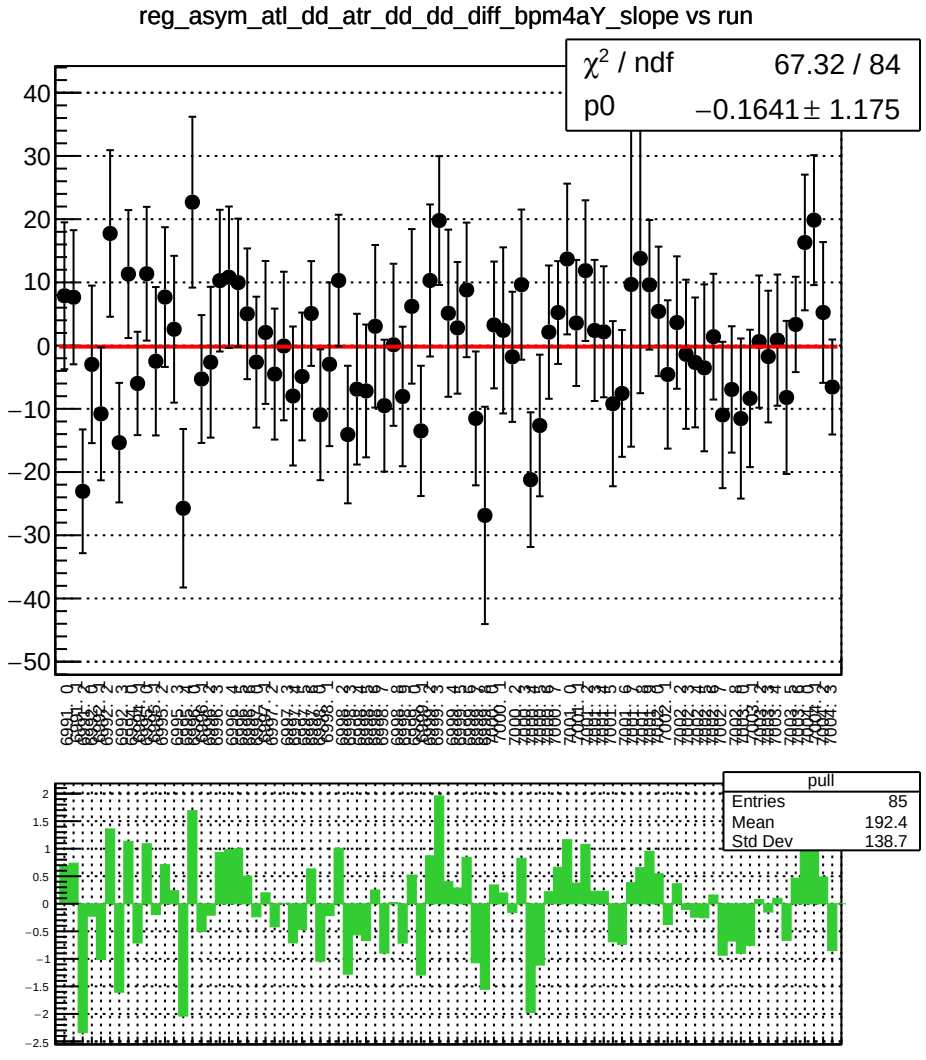

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.92 / 84
p0 −95.47 ± 3.633
pull
Entries 85
Mean −900.2
Std Dev 965.4

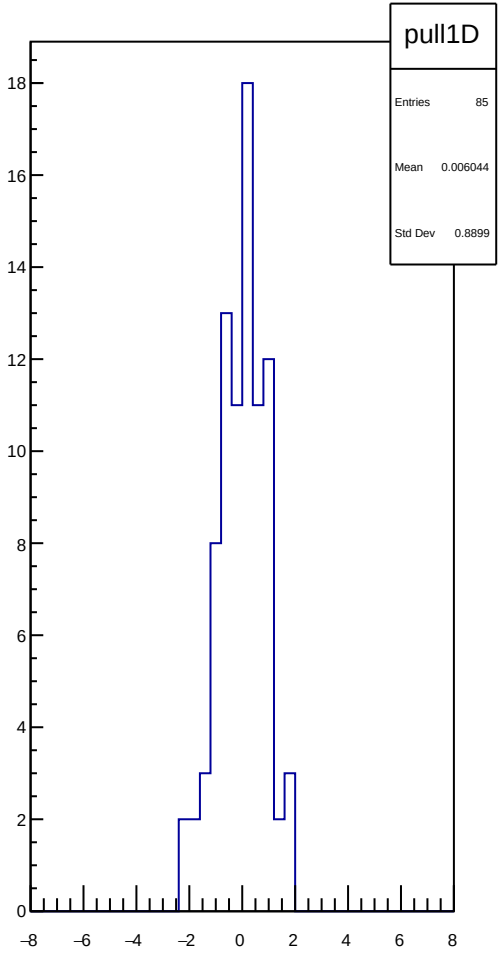

pull1D
Entries 85
Mean −0.001487
Std Dev 0.3584

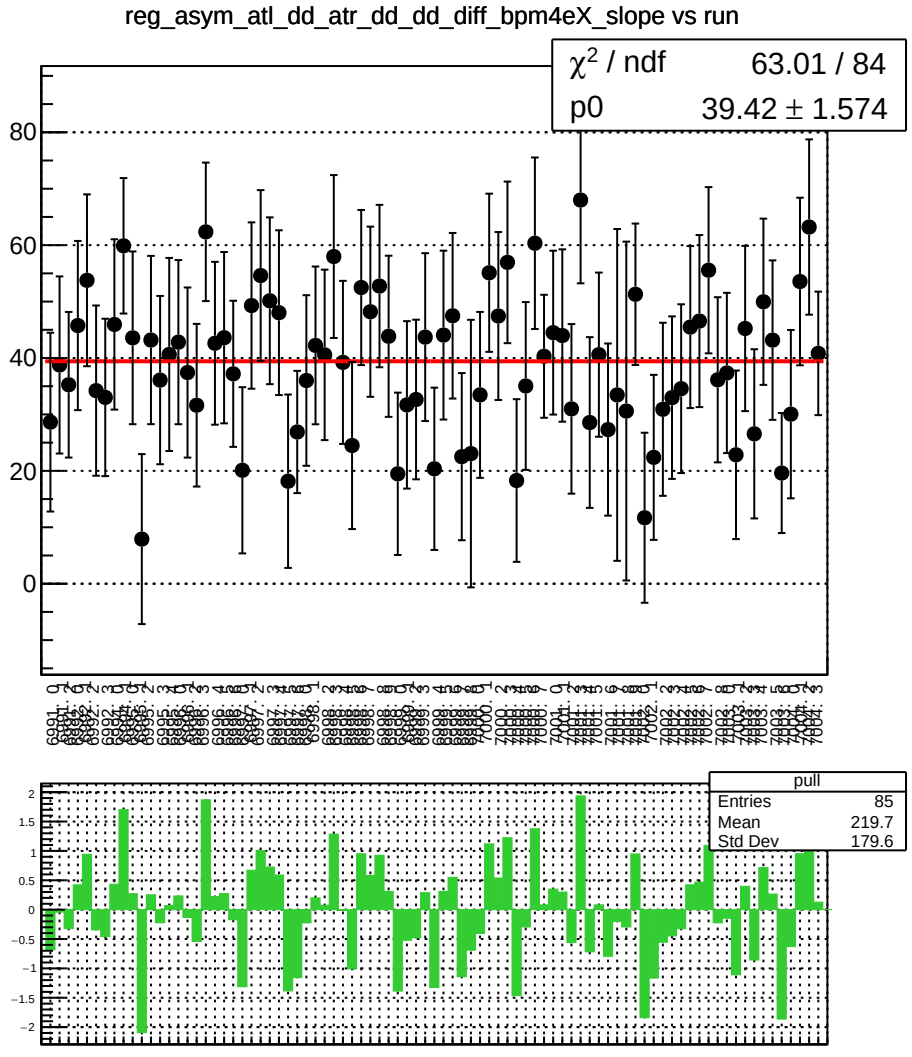

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 30.28 / 84
p0 129.3 ± 0.1665
134
132
130
128
126
pull
Entries 85
Mean −5.362
Std Dev 86.67
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean 0.01429
Std Dev 0.5967
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

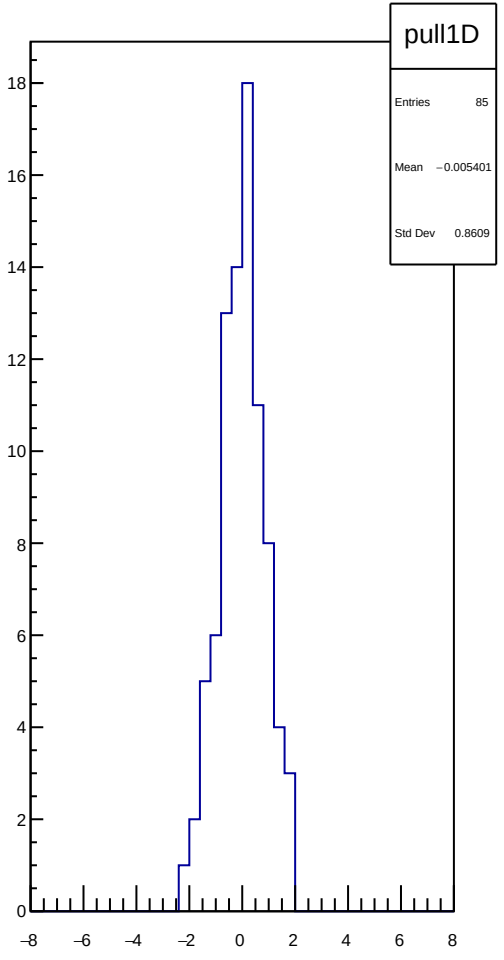

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 64.86 / 84
p0 28.35 ± 1.705
pull
Entries 85
Mean 129.5
Std Dev 82.55

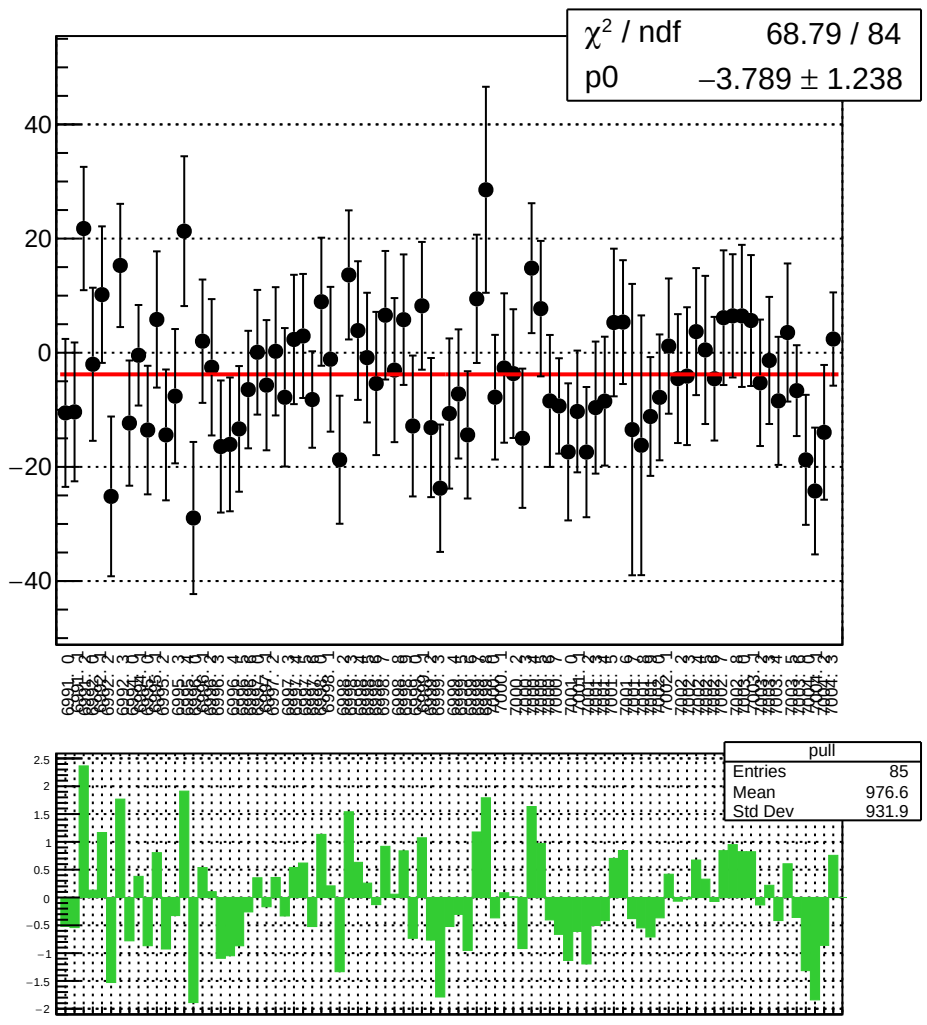

pull1D
Entries 85
Mean 0.007012
Std Dev 0.8735

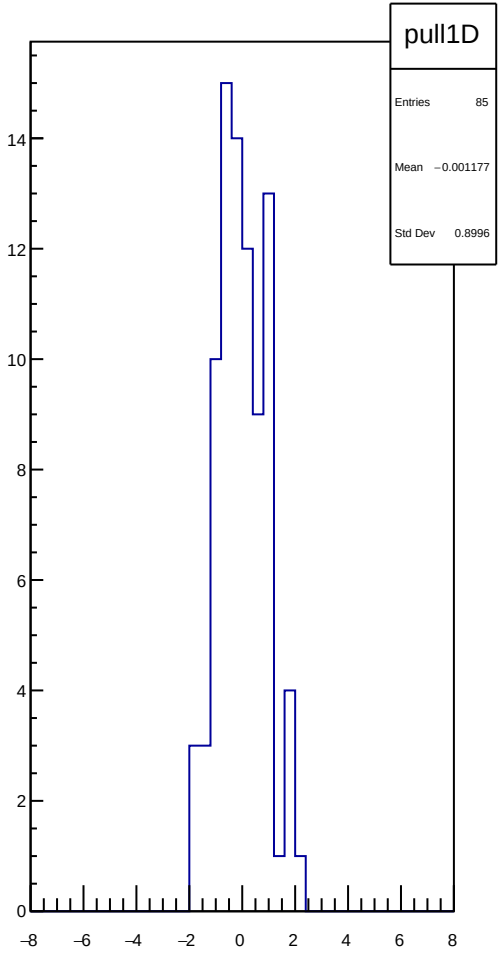

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.32 / 84
p0 −0.1641 ± 1.175
pull
Entries 85
Mean 192.4
Std Dev 138.7

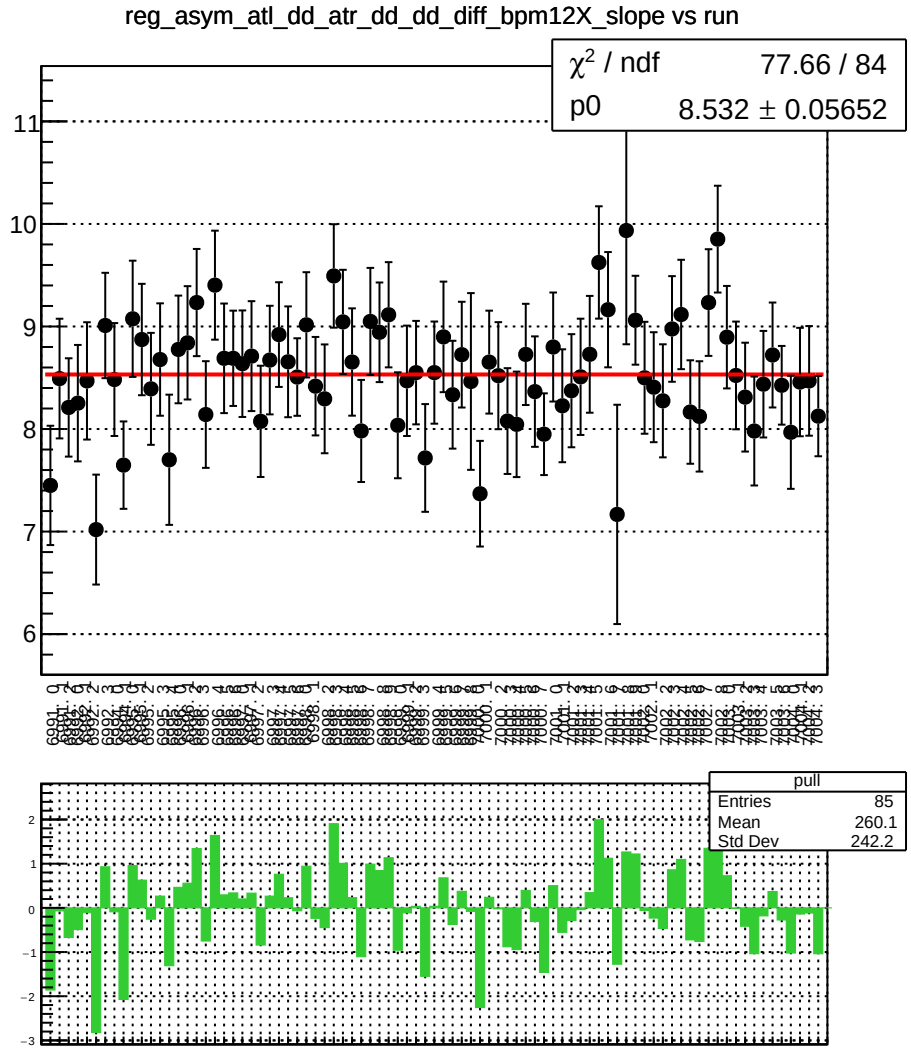

pull1D
Entries 85
Mean 0.006044
Std Dev 0.8899

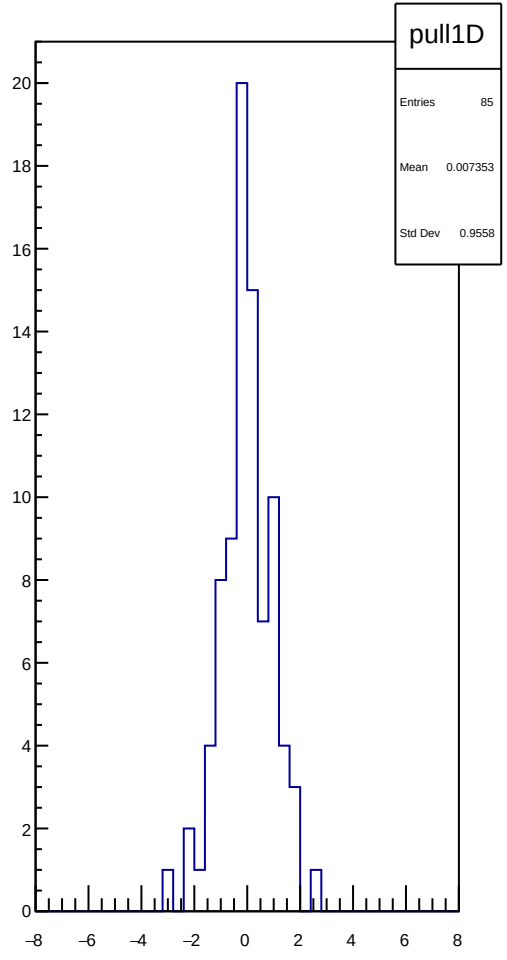

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.01 / 84
p0 39.42 ± 1.574
pull
Entries 85
Mean 219.7
Std Dev 179.6

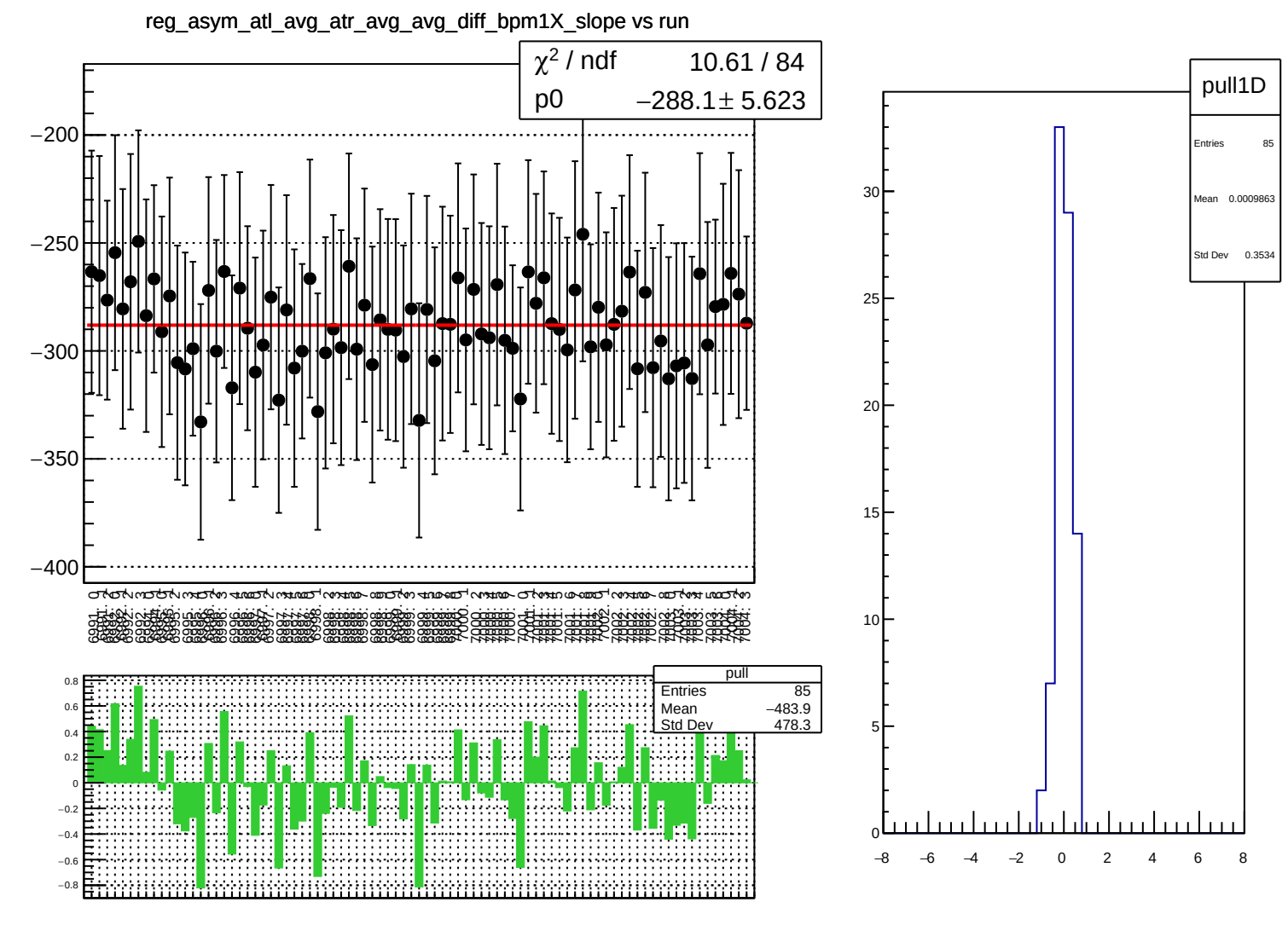

pull1D
Entries 85
Mean −0.005401
Std Dev 0.8609

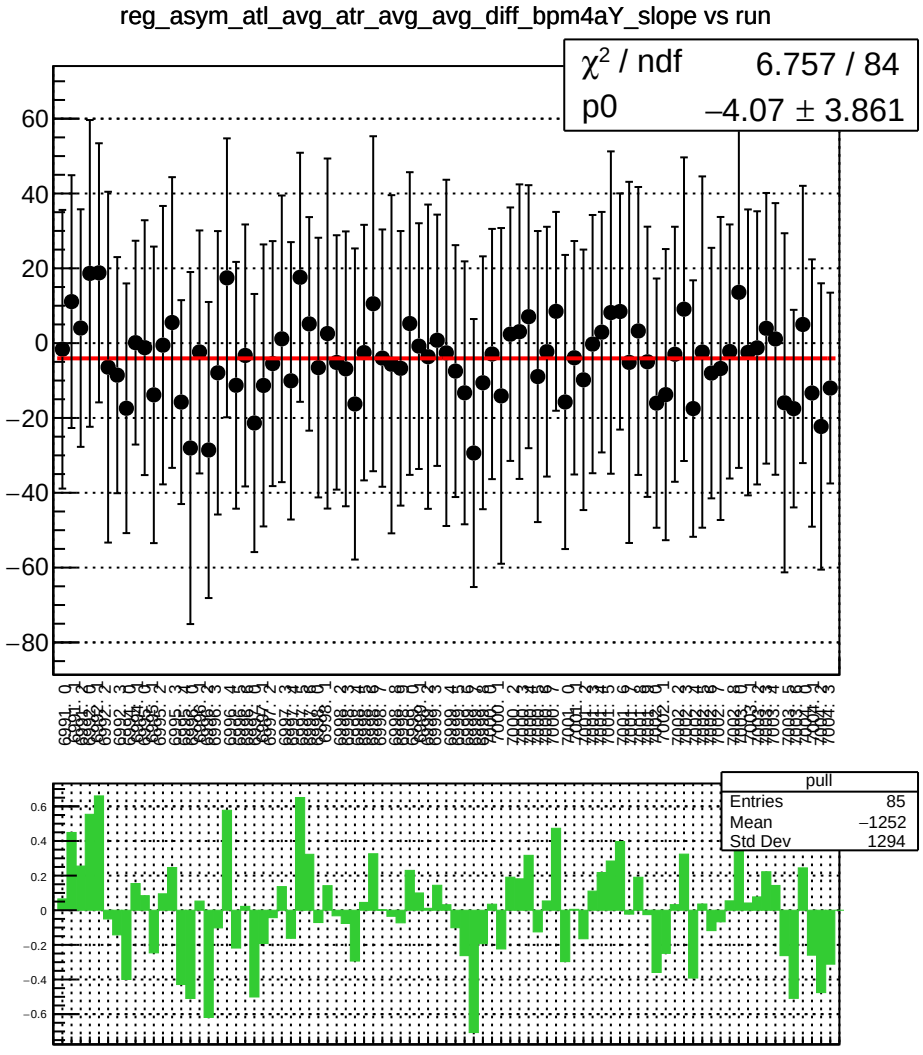

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 68.79 / 84
p0 −3.789 ± 1.238
pull
Entries 85
Mean 976.6
Std Dev 931.9

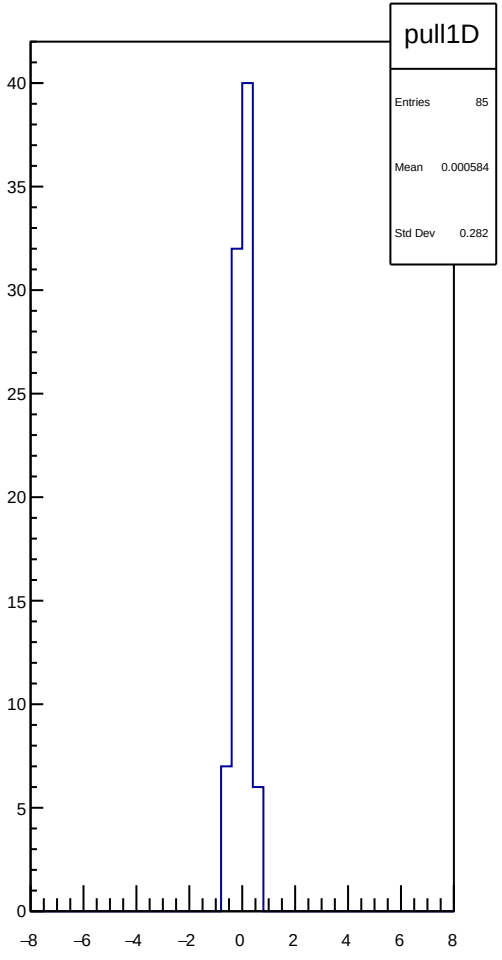

pull1D
Entries 85
Mean −0.001177
Std Dev 0.8996

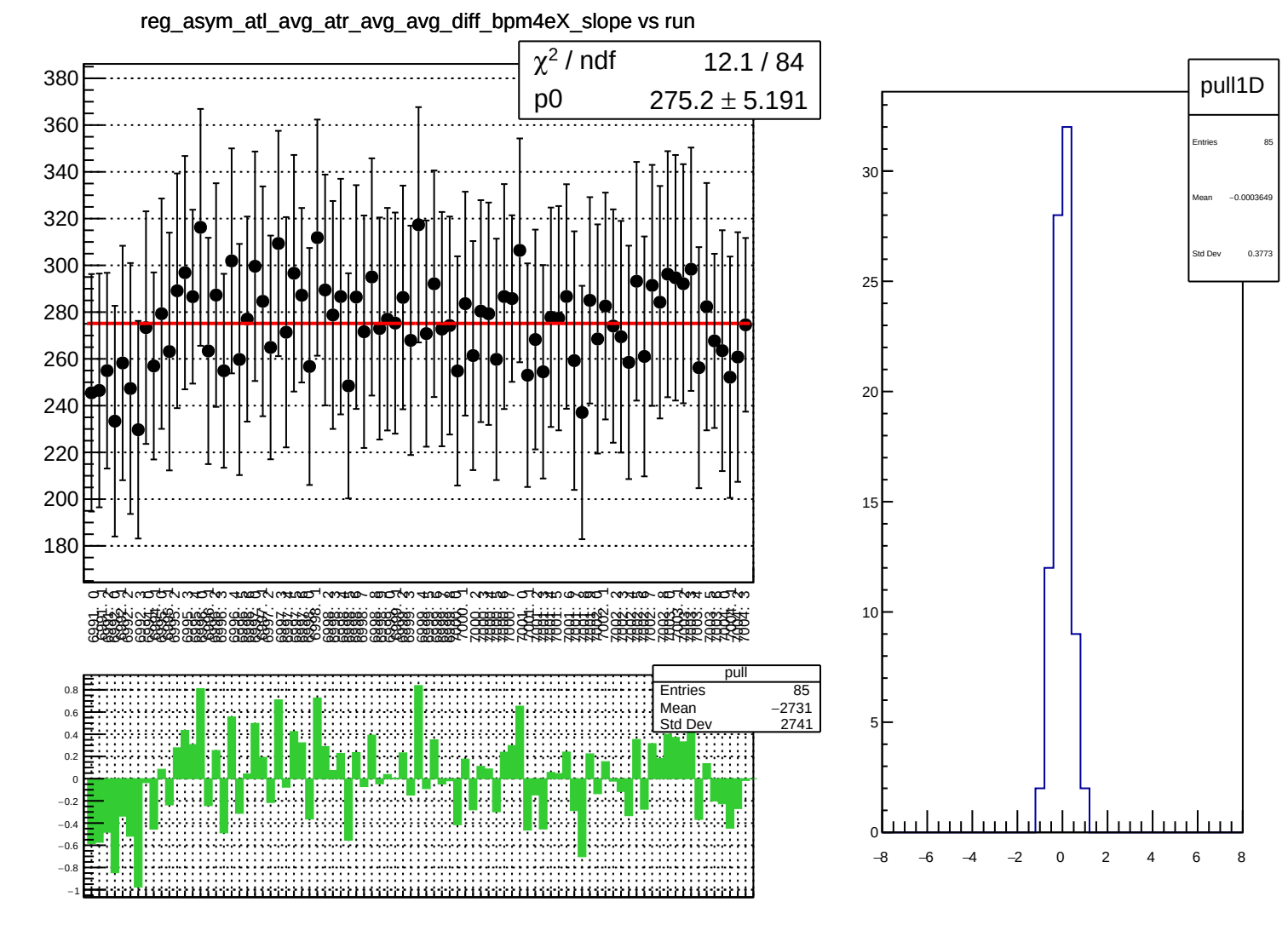

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 77.66 / 84
p0 8.532 ± 0.05652
pull
Entries 85
Mean 260.1
Std Dev 242.2

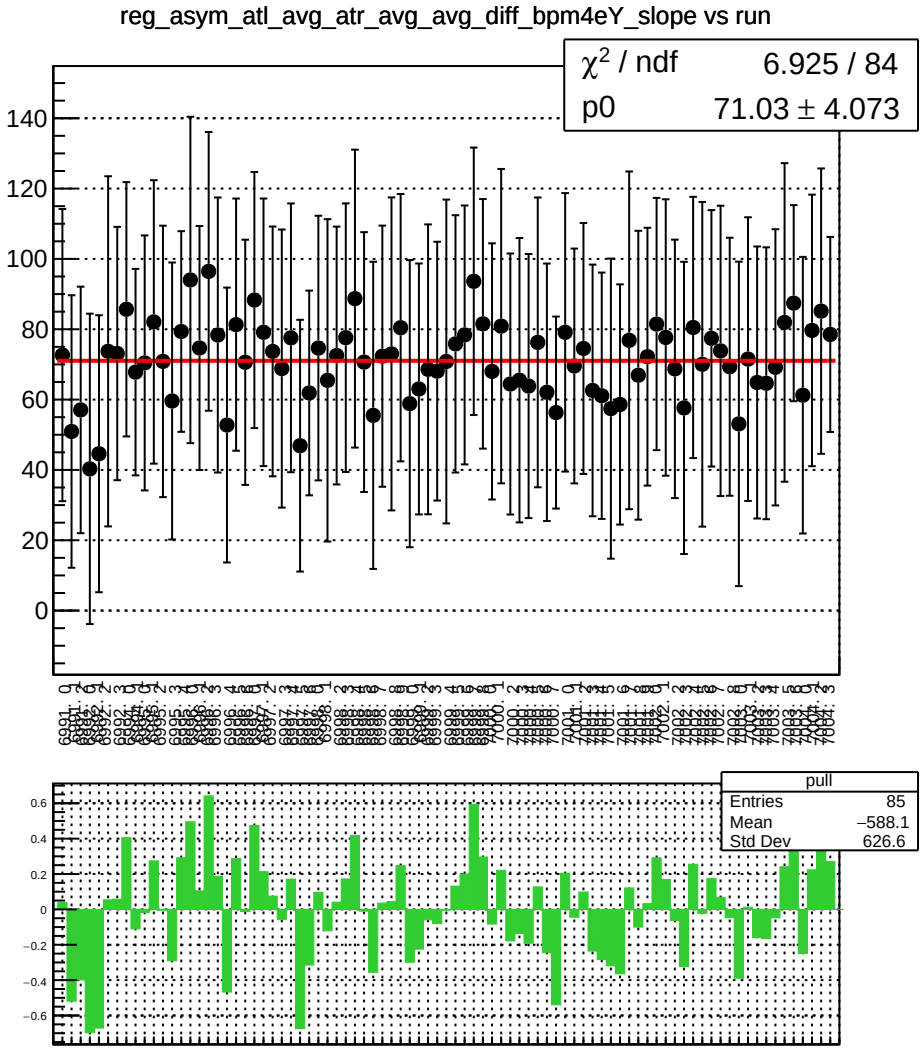

pull1D
Entries 85
Mean 0.007353
Std Dev 0.9558

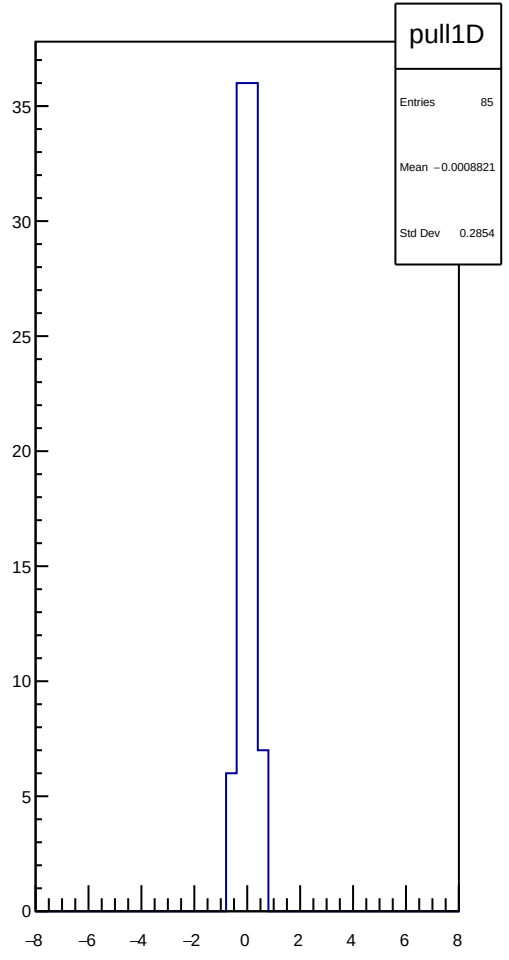

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 10.61 / 84
p0 −288.1 ± 5.623
−200
−250
−300
−350
−400
pull
Entries 85
Mean −483.9
Std Dev 478.3
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 85
Mean 0.0009863
Std Dev 0.3534
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

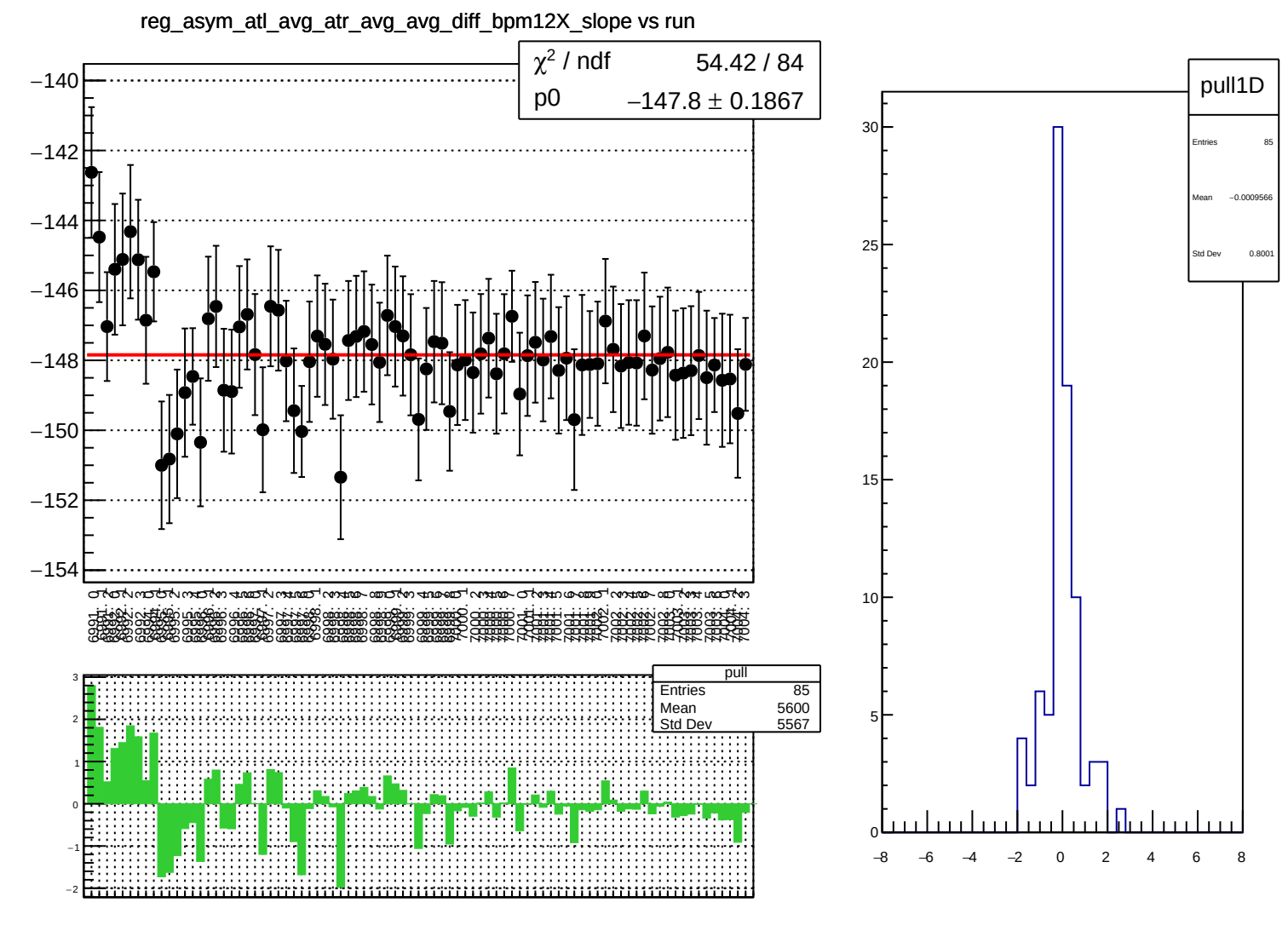

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.757 / 84
p0 −4.07 ± 3.861
pull
Entries 85
Mean −1252
Std Dev 1294

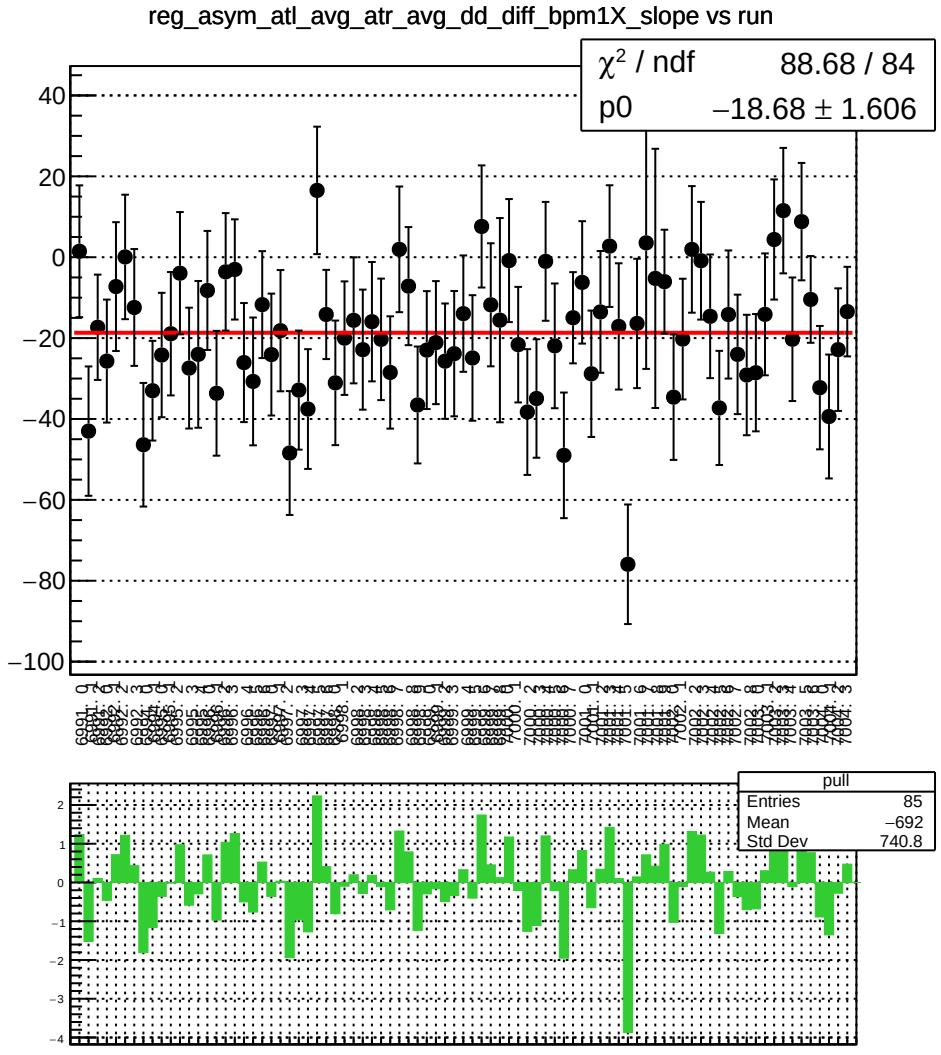

pull1D
Entries 85
Mean 0.000584
Std Dev 0.282

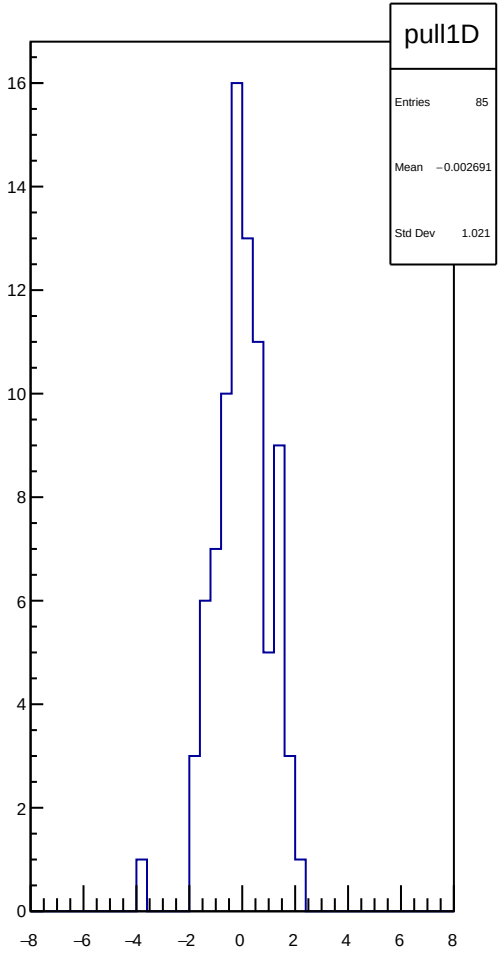

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.1 / 84
p0 275.2 ± 5.191
pull
Entries 85
Mean −2731
Std Dev 2741
pull1D
Entries 85
Mean −0.0003649
Std Dev 0.3773

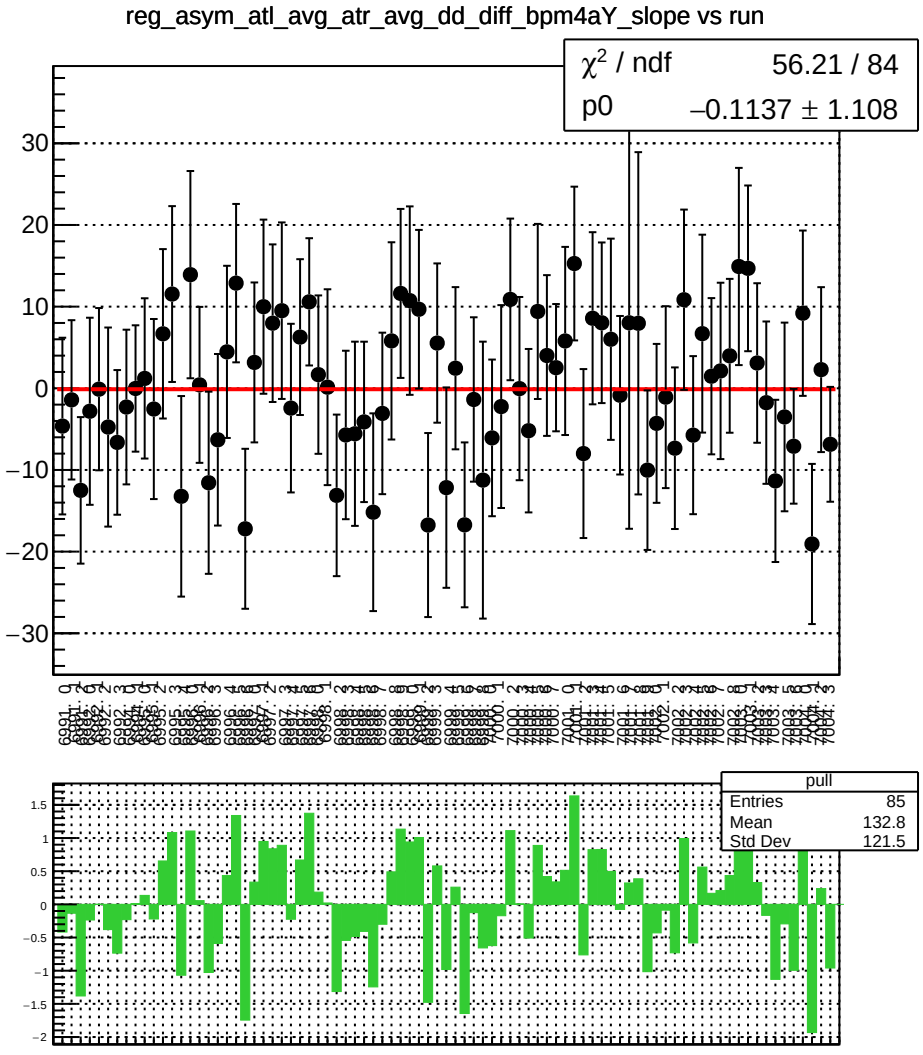

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.925 / 84
p0 71.03 ± 4.073
pull
Entries 85
Mean −588.1
Std Dev 626.6

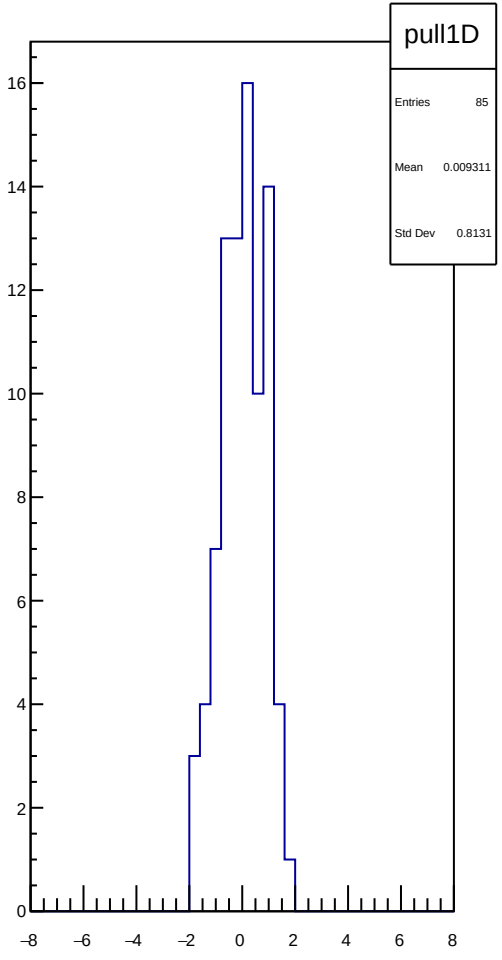

pull1D
Entries 85
Mean −0.0008821
Std Dev 0.2854

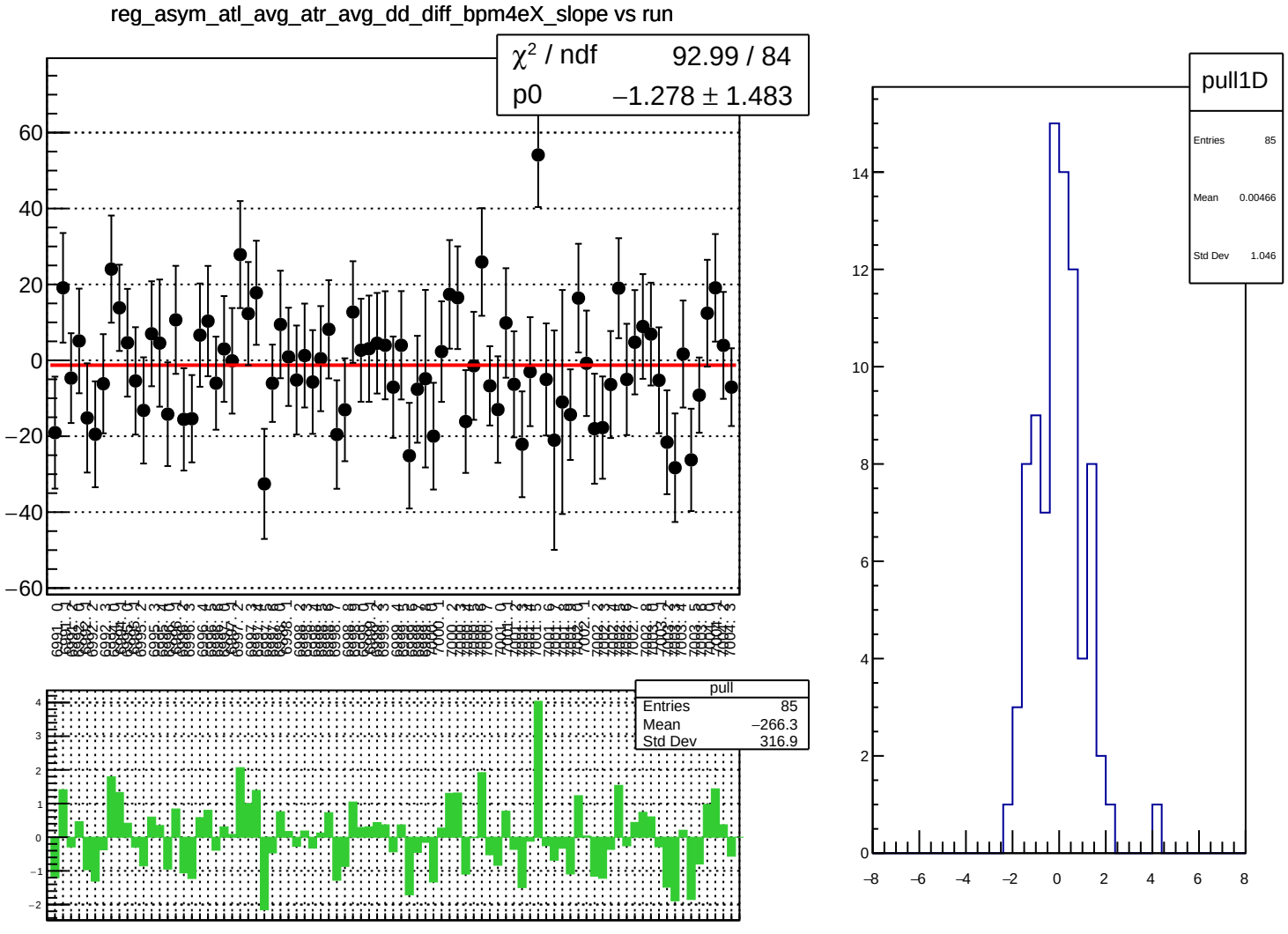

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 54.42 / 84
p0 −147.8 ± 0.1867
pull
Entries 85
Mean 5600
Std Dev 5567
pull1D
Entries 85
Mean −0.0009566
Std Dev 0.8001

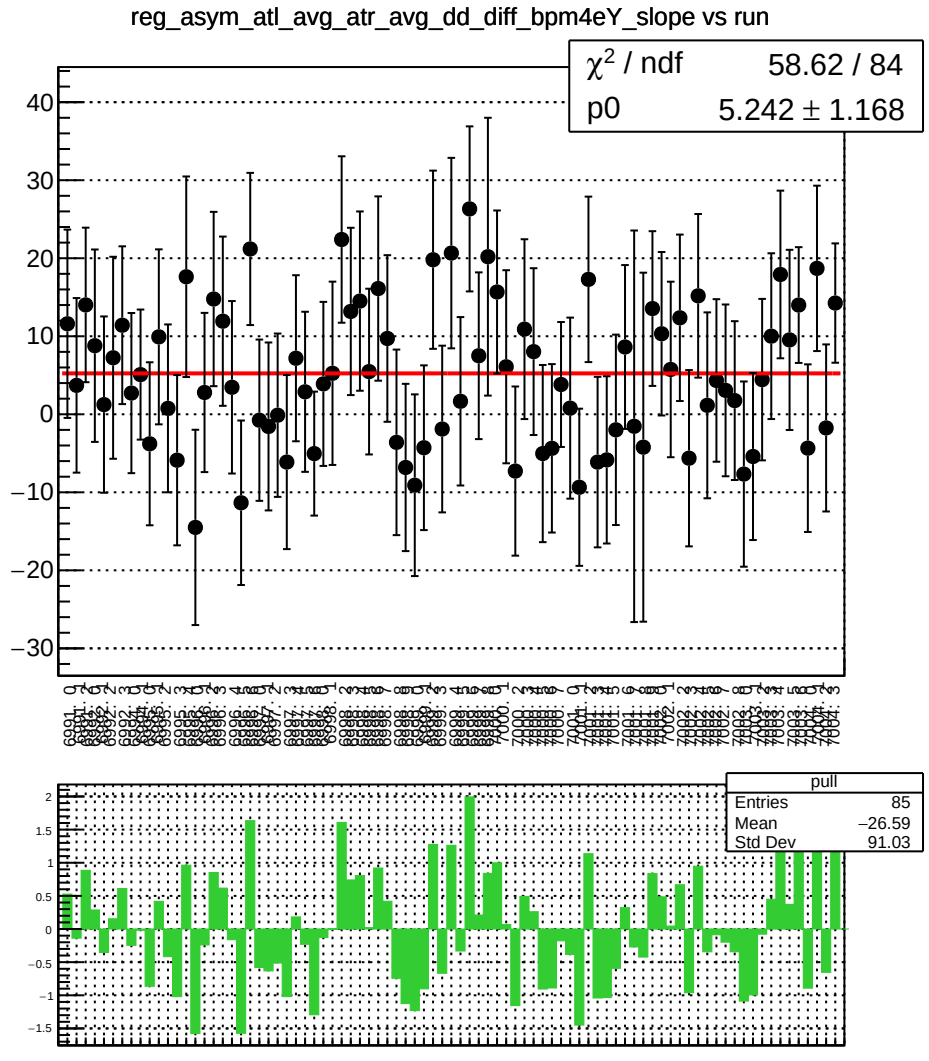

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 88.68 / 84
p0 −18.68 ± 1.606
pull
Entries 85
Mean −692
Std Dev 740.8

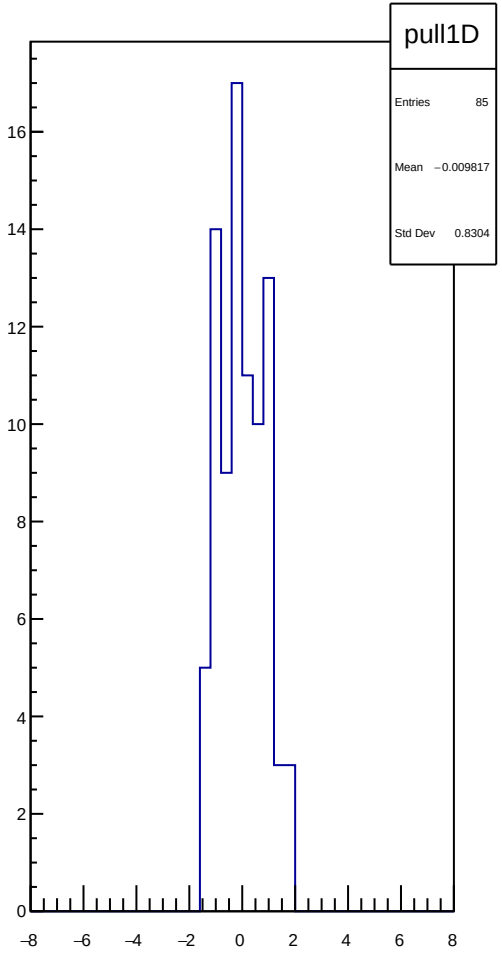

pull1D
Entries 85
Mean −0.002691
Std Dev 1.021

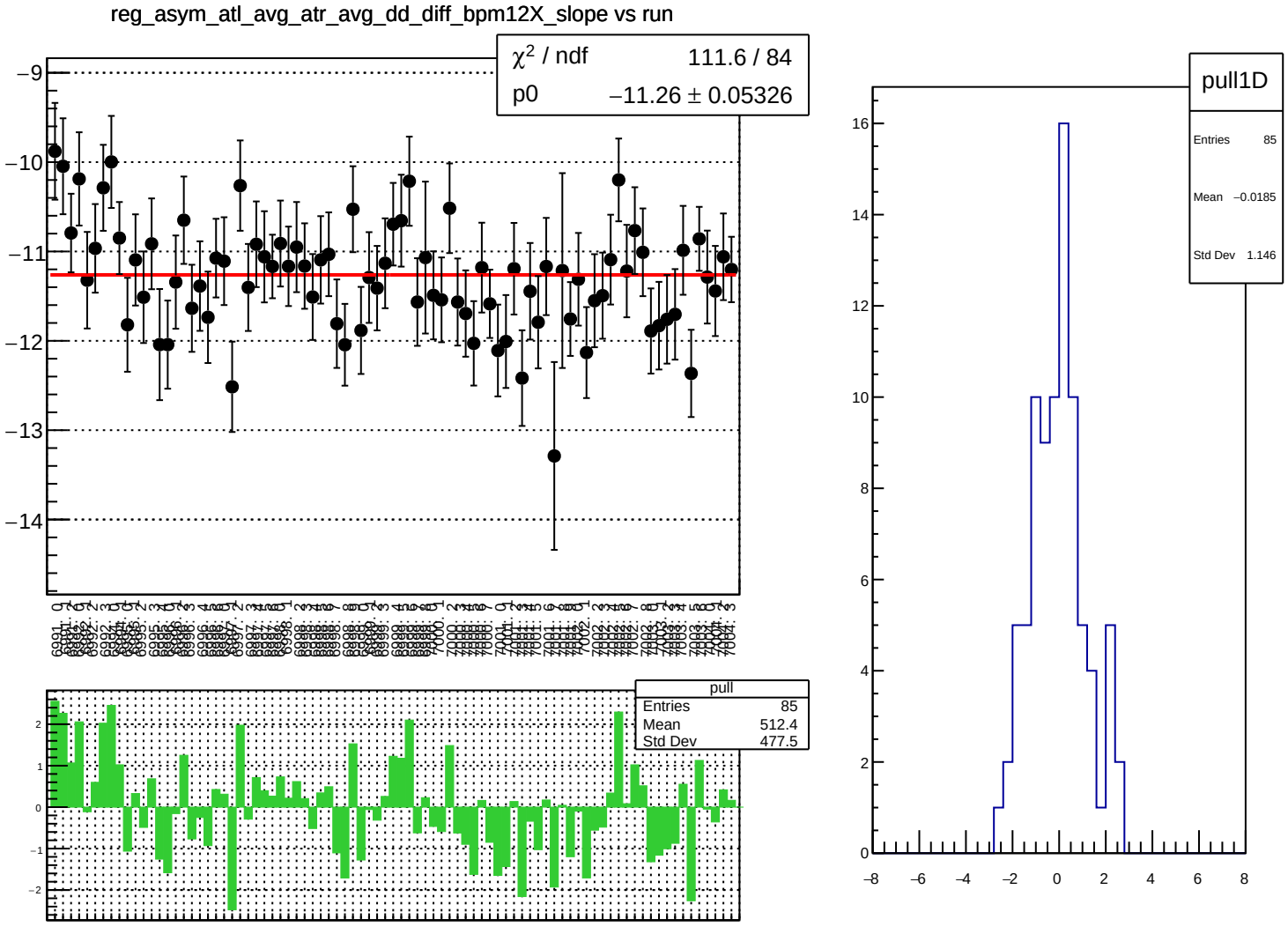

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 56.21 / 84
p0 −0.1137 ± 1.108
pull
Entries 85
Mean 132.8
Std Dev 121.5

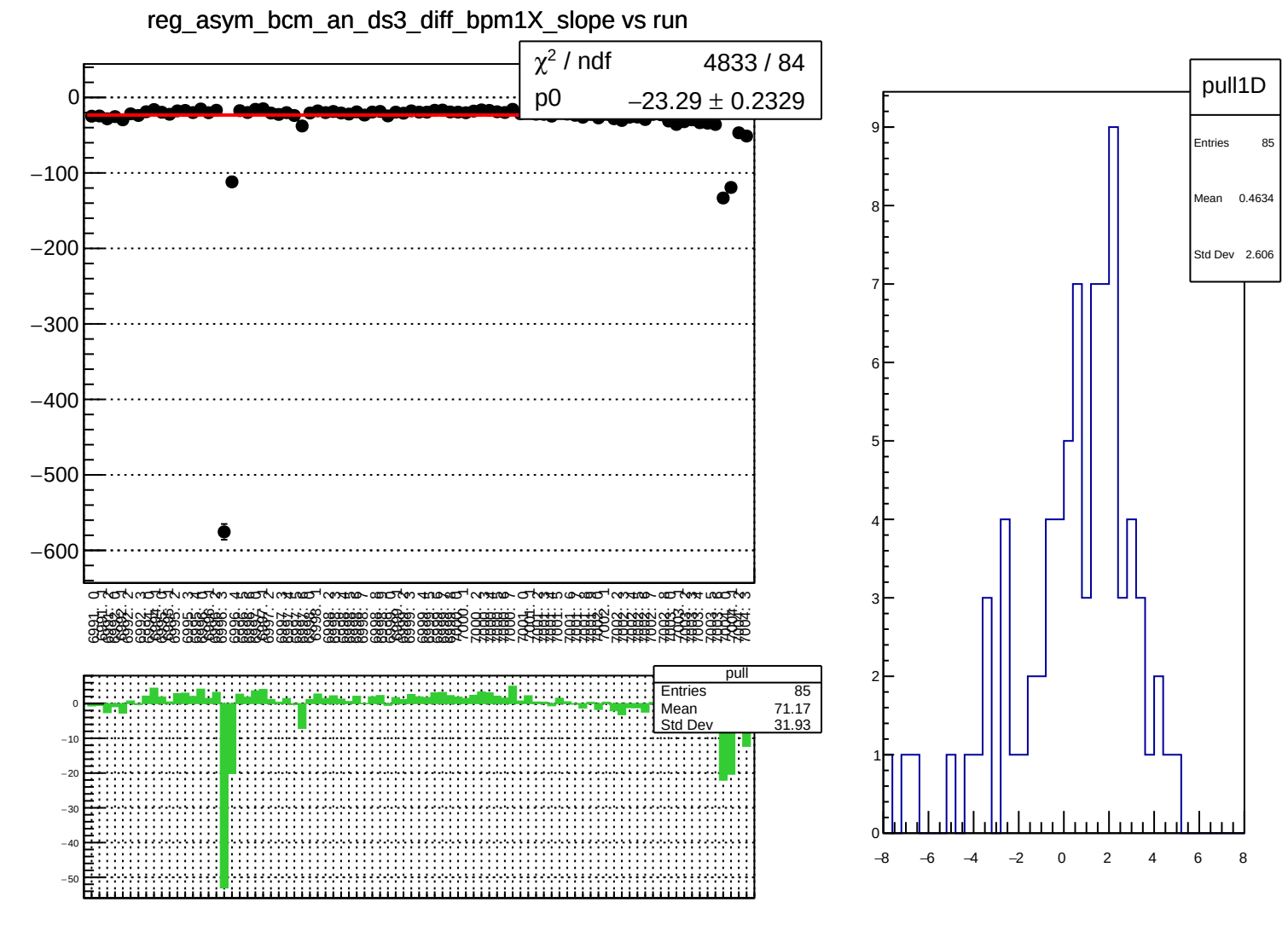

pull1D
Entries 85
Mean 0.009311
Std Dev 0.8131

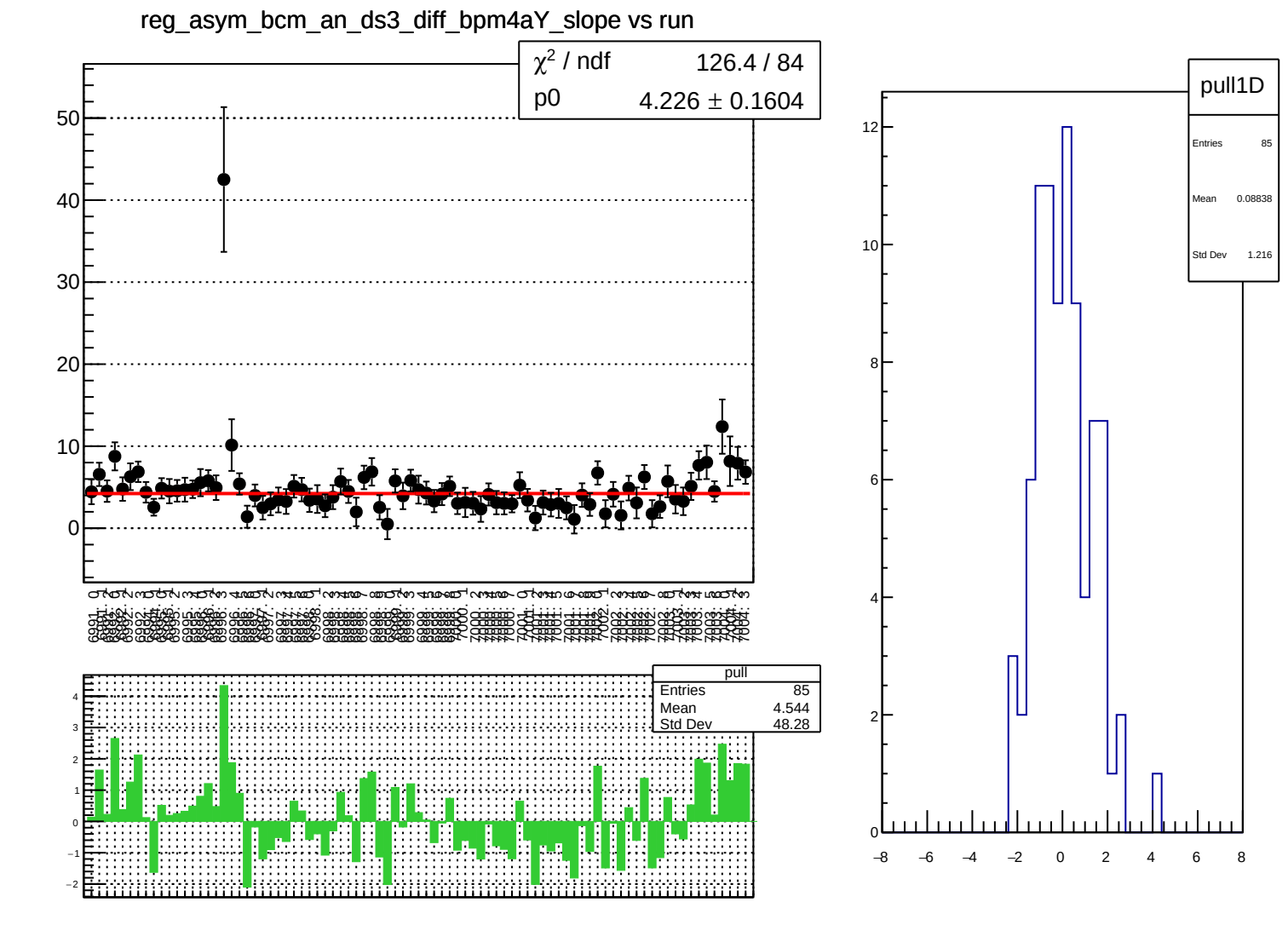

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 92.99 / 84
p0 −1.278 ± 1.483
pull
Entries 85
Mean −266.3
Std Dev 316.9
pull1D
Entries 85
Mean 0.00466
Std Dev 1.046

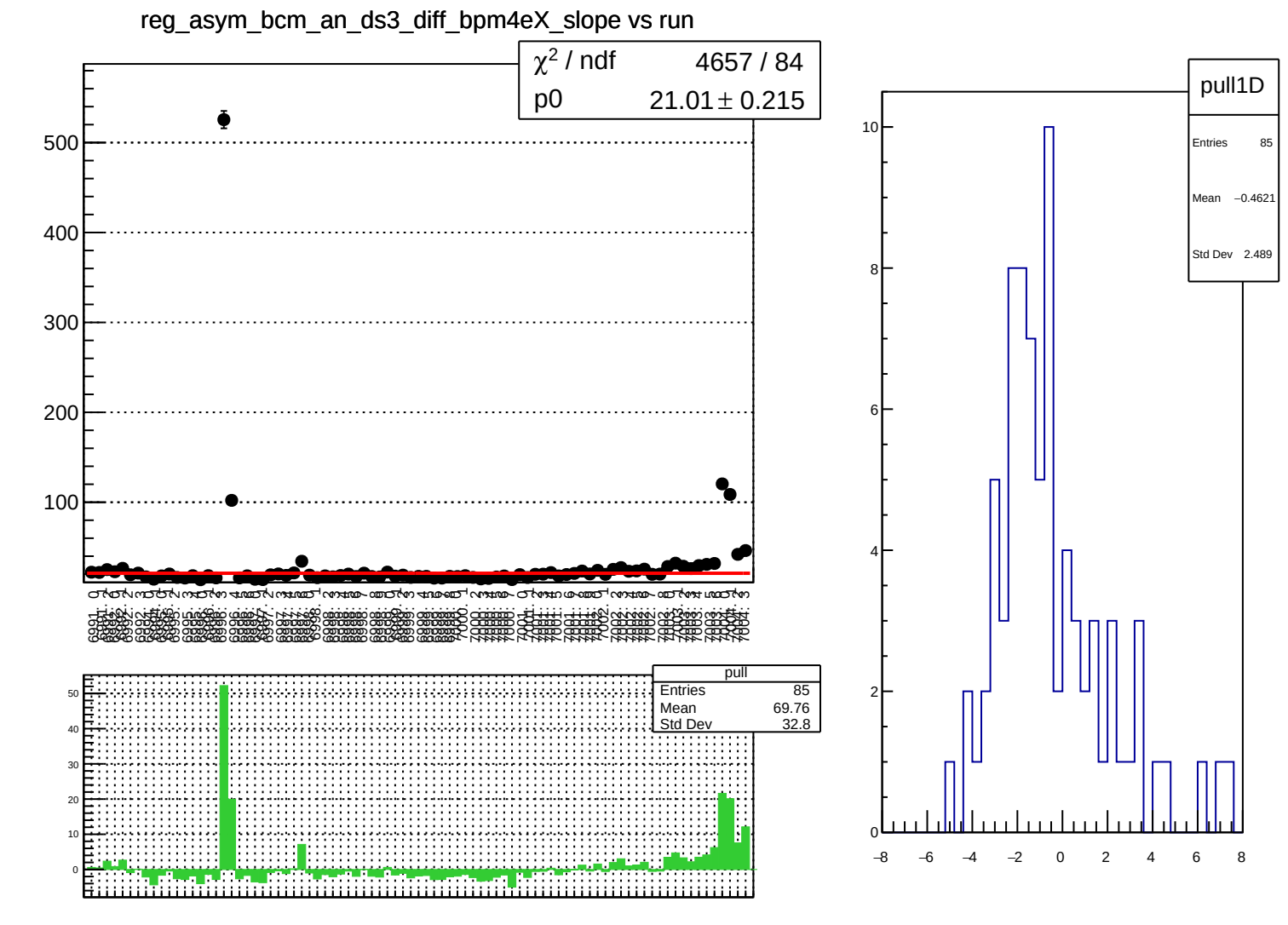

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 58.62 / 84
p0 5.242 ± 1.168
pull
Entries 85
Mean −26.59
Std Dev 91.03

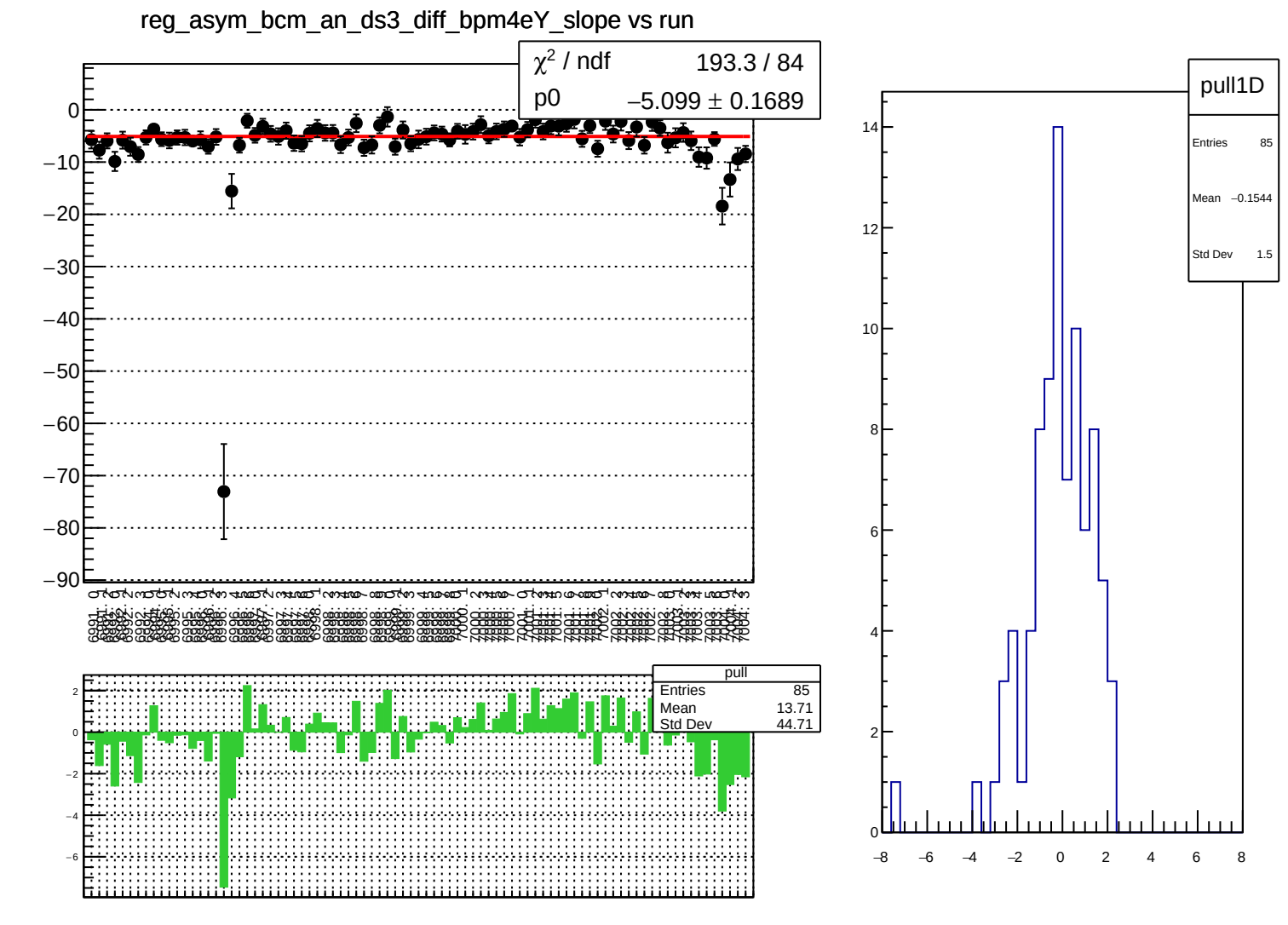

pull1D
Entries 85
Mean −0.009817
Std Dev 0.8304

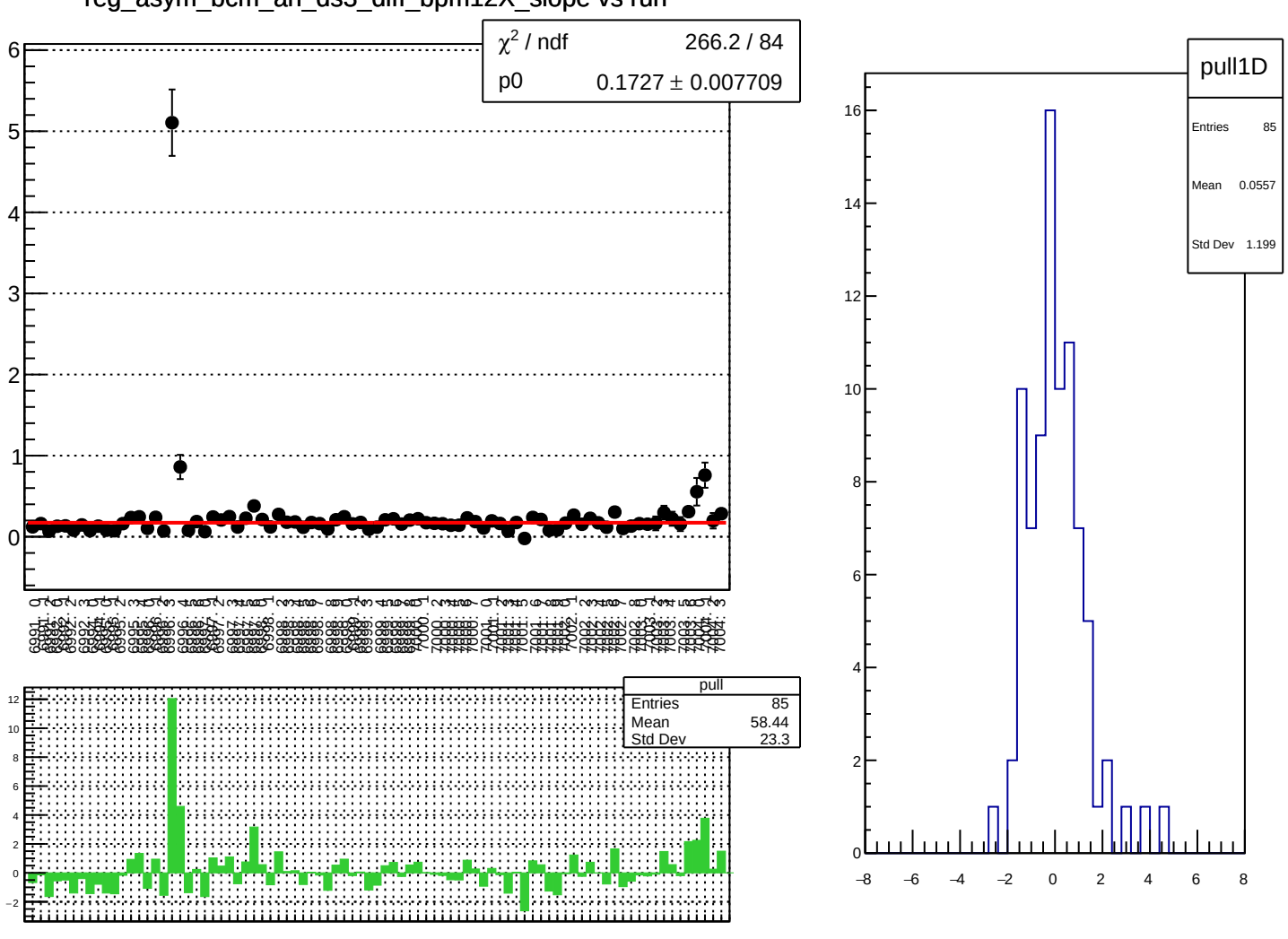

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 111.6 / 84
p0 −11.26 ± 0.05326
pull
Entries 85
Mean 512.4
Std Dev 477.5
pull1D
Entries 85
Mean −0.0185
Std Dev 1.146

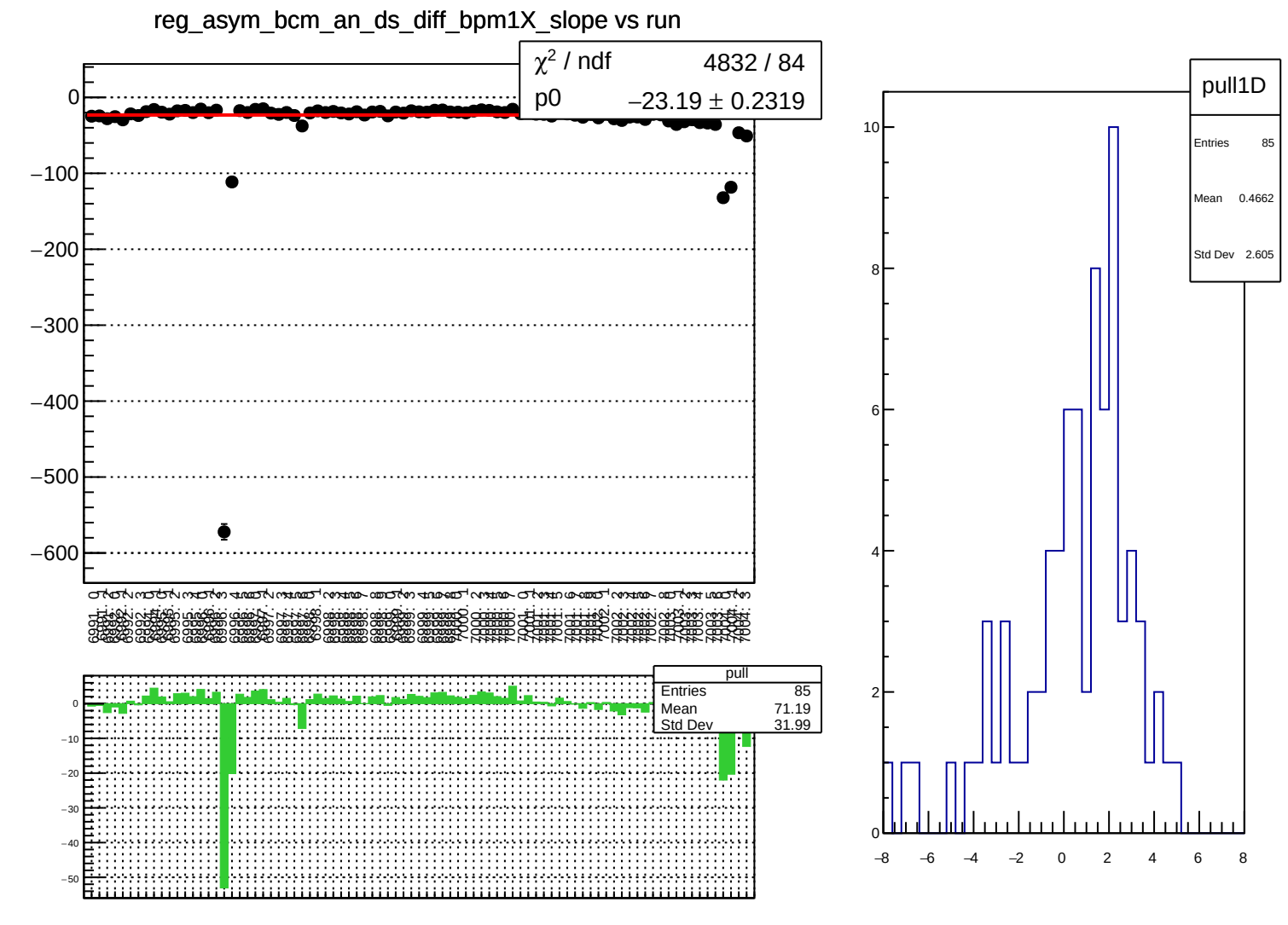

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 4833 / 84
p0 −23.29 ± 0.2329
pull
Entries 85
Mean 71.17
Std Dev 31.93
pull1D
Entries 85
Mean 0.4634
Std Dev 2.606

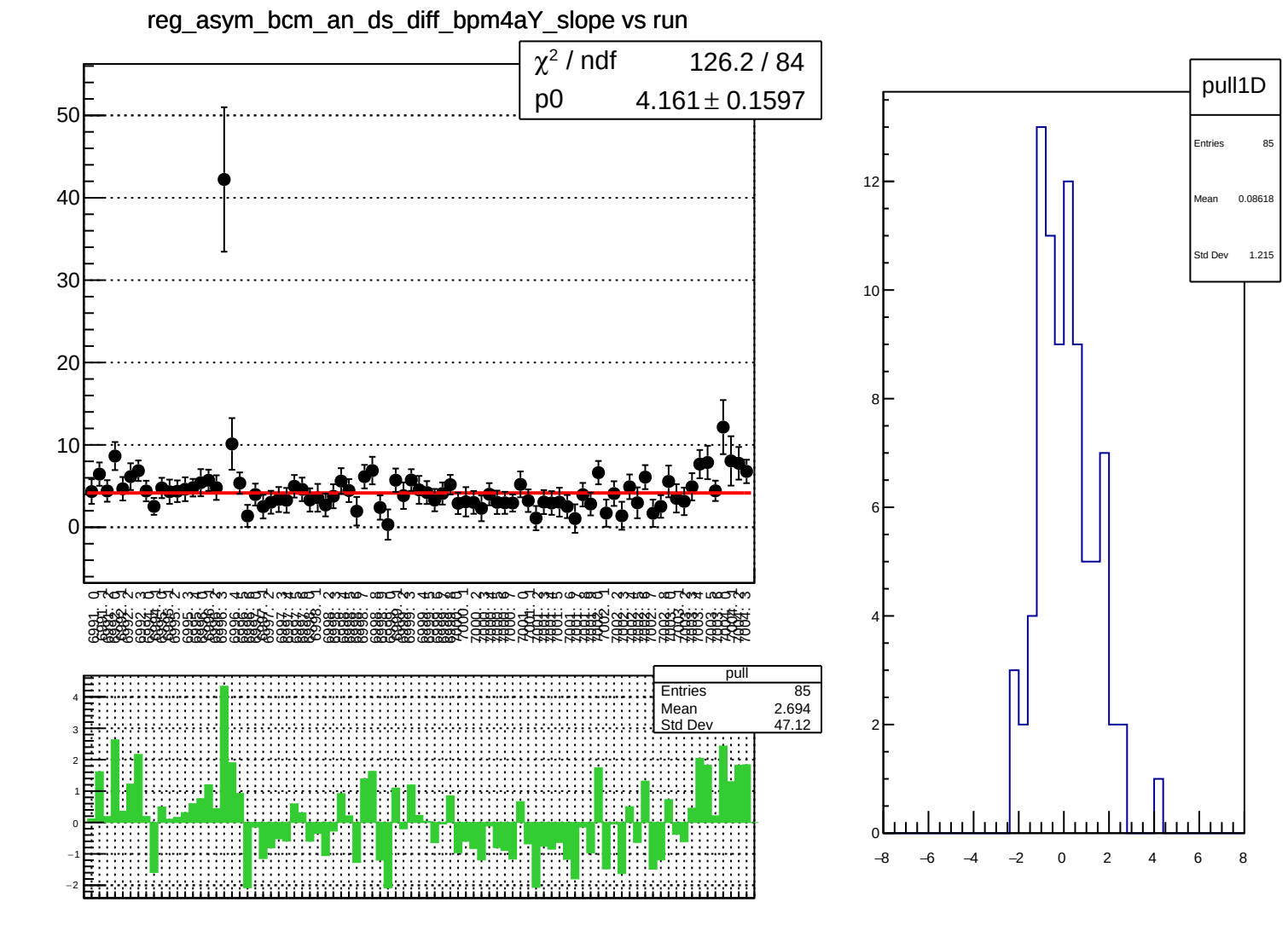

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 126.4 / 84
p0 4.226 ± 0.1604
pull
Entries 85
Mean 4.544
Std Dev 48.28
pull1D
Entries 85
Mean 0.08838
Std Dev 1.216

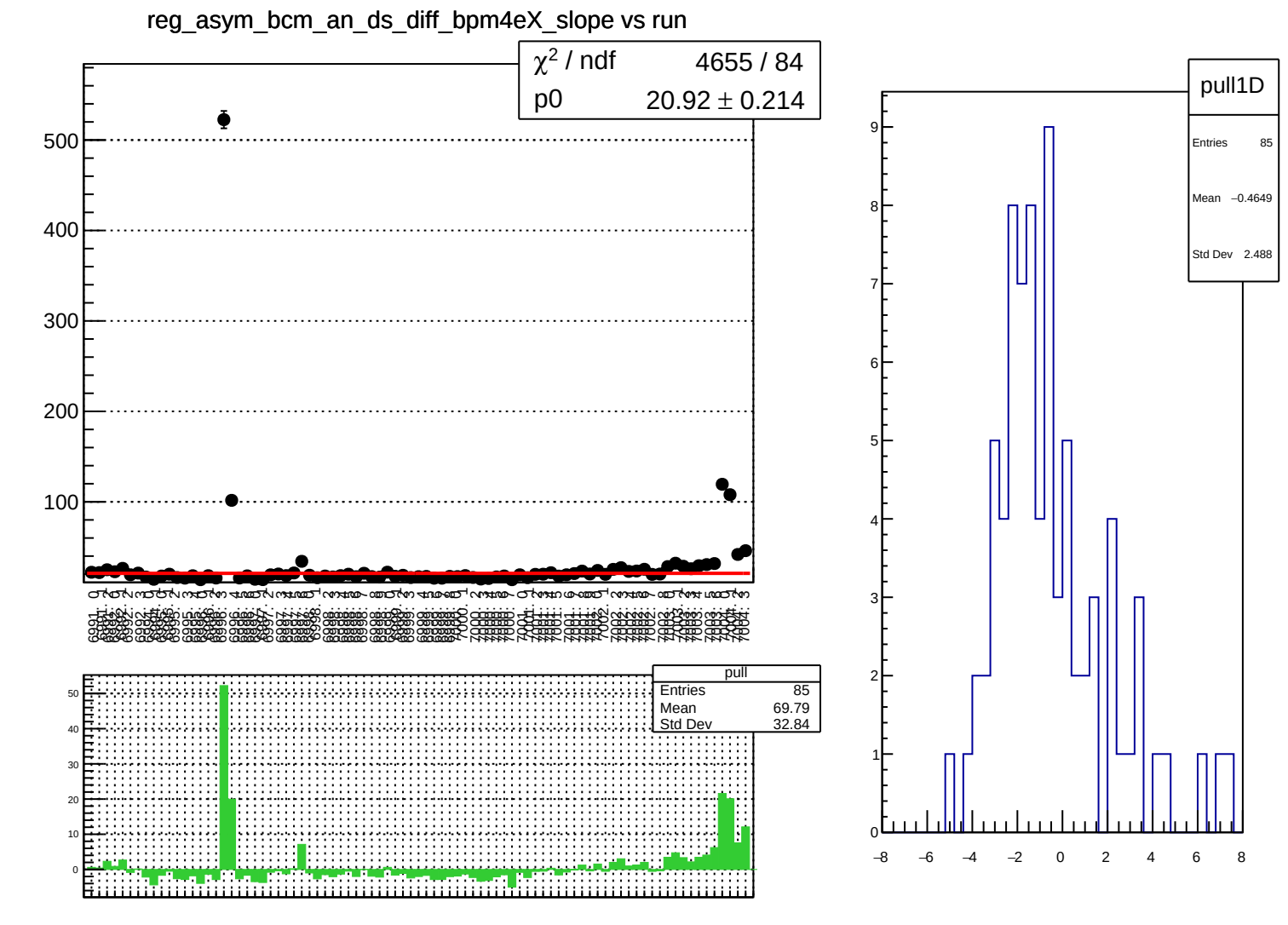

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 4657 / 84
p0 21.01 ± 0.215
500
400
300
200
100
pull
Entries 85
Mean 69.76
Std Dev 32.8
50
40
30
20
10
0
pull1D
Entries 85
Mean −0.4621
Std Dev 2.489
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

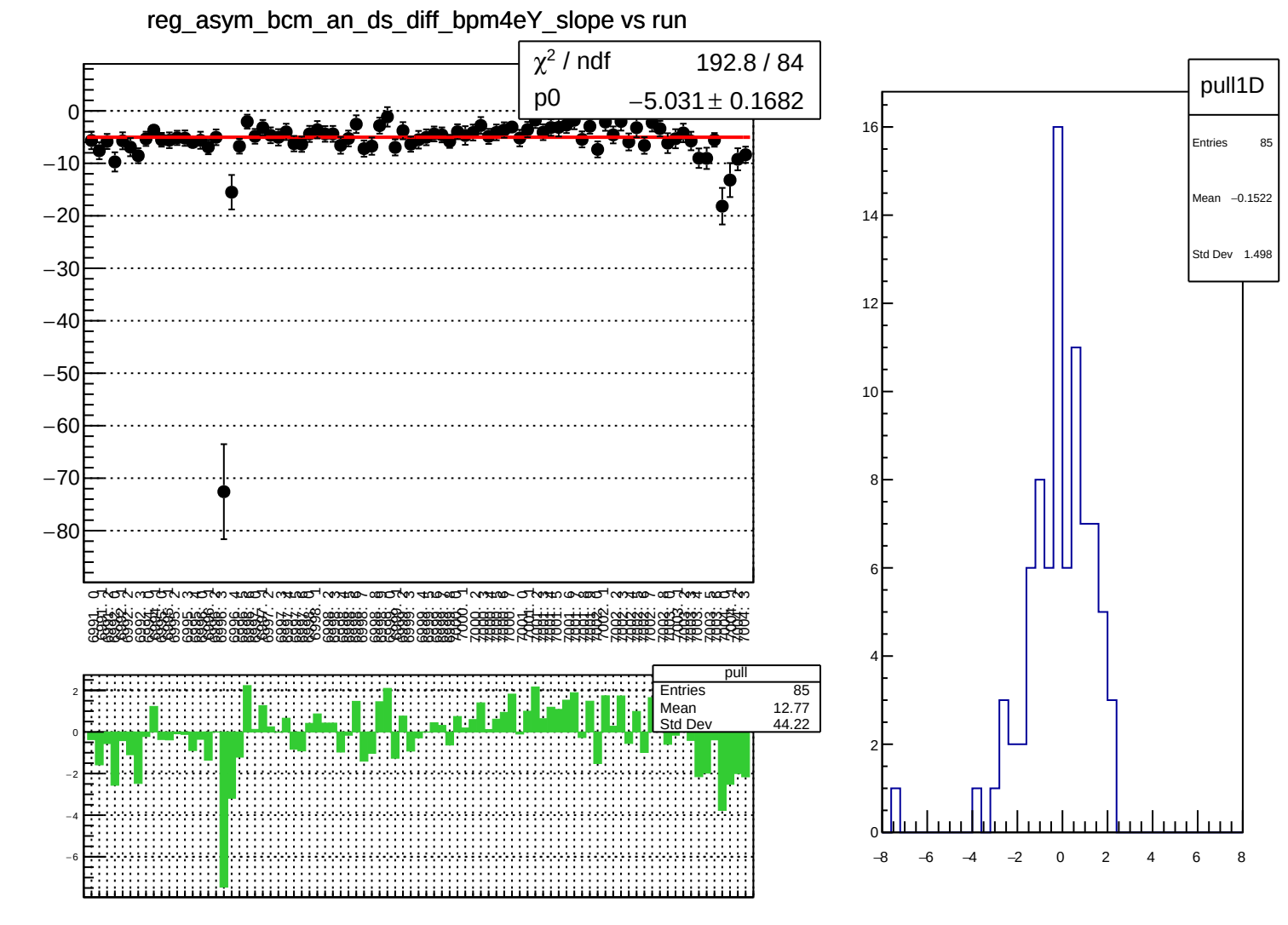

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 193.3 / 84
p0 −5.099 ± 0.1689
pull
Entries 85
Mean 13.71
Std Dev 44.71
pull1D
Entries 85
Mean −0.1544
Std Dev 1.5

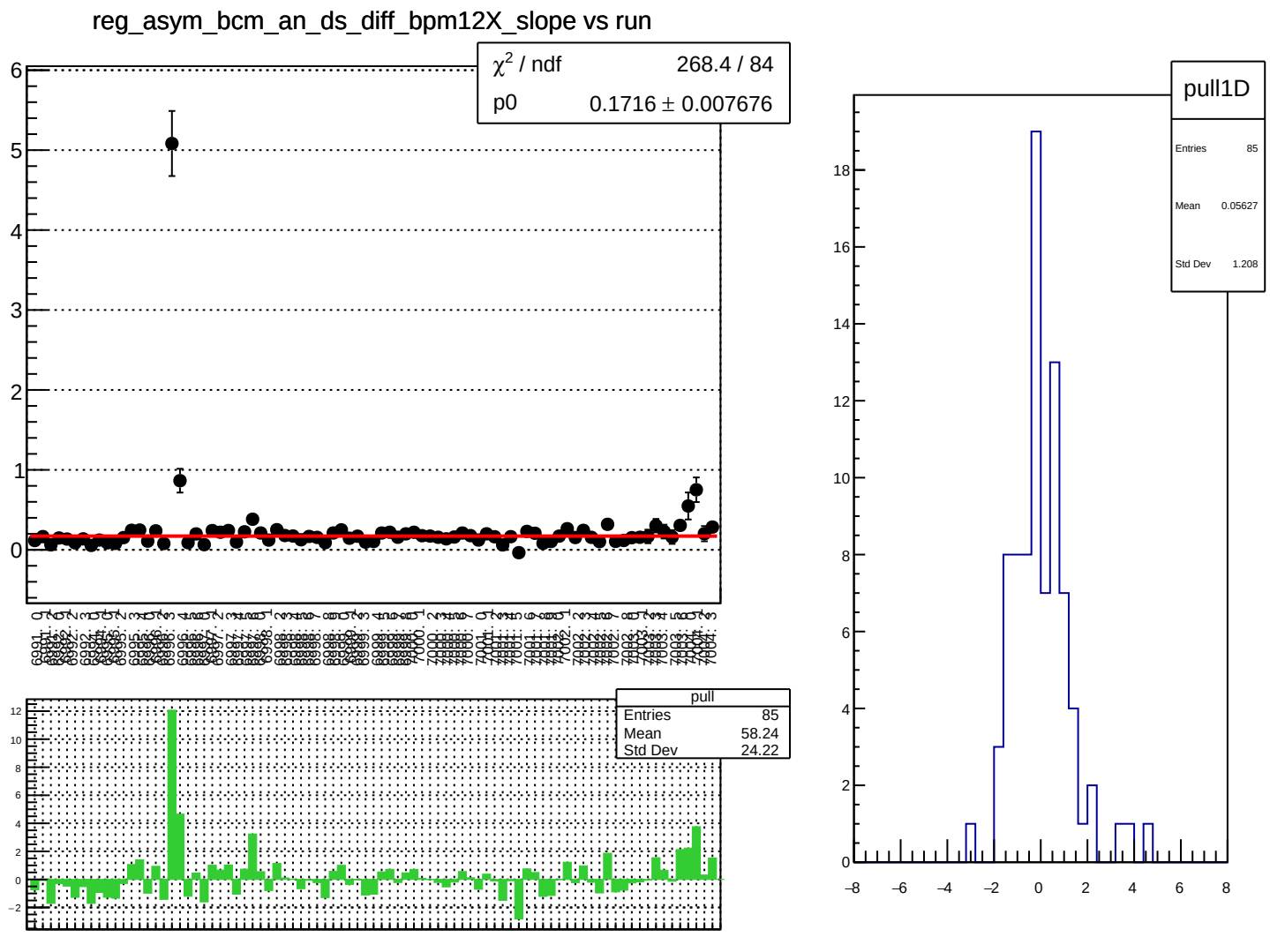

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 266.2 / 84
p0 0.1727 ± 0.007709
pull
Entries 85
Mean 58.44
Std Dev 23.3
pull1D
Entries 85
Mean 0.0557
Std Dev 1.199

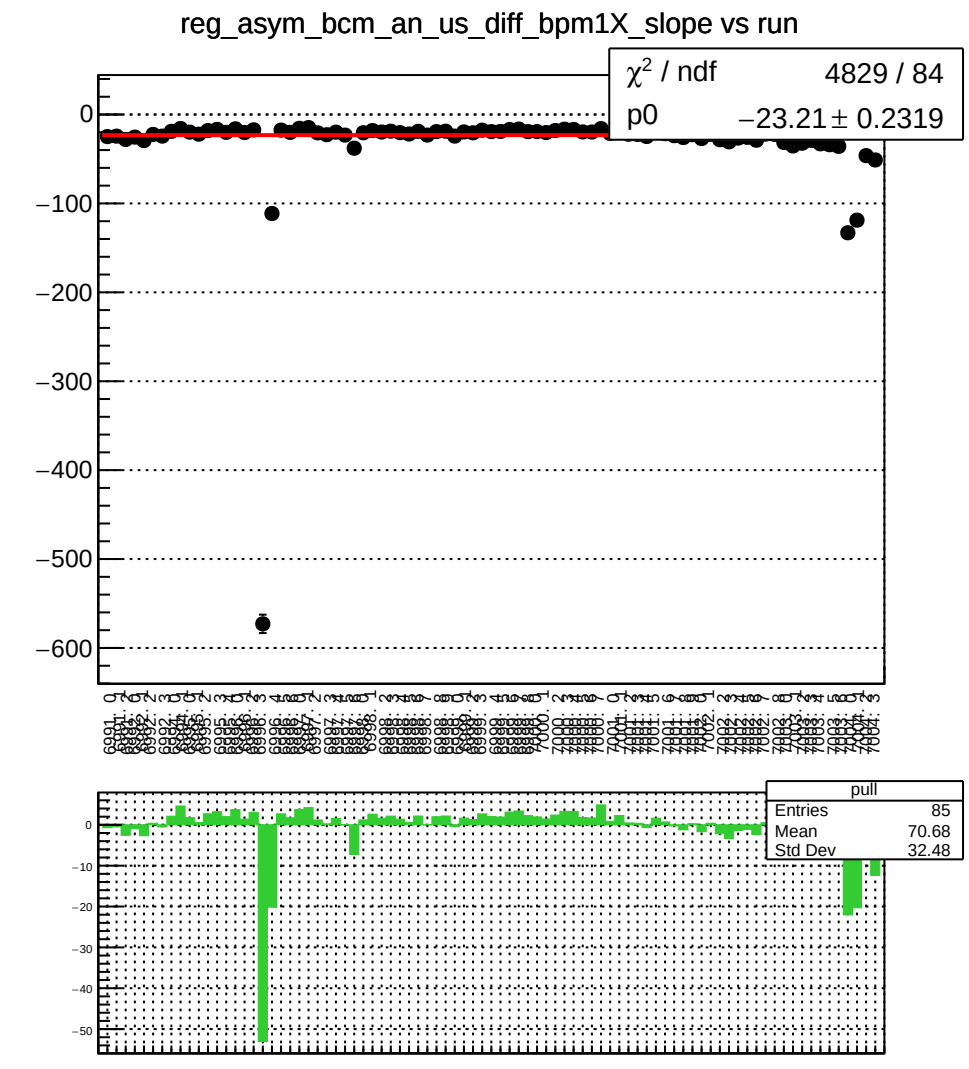

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 4832 / 84
p0 −23.19 ± 0.2319
pull
Entries 85
Mean 71.19
Std Dev 31.99
pull1D
Entries 85
Mean 0.4662
Std Dev 2.605

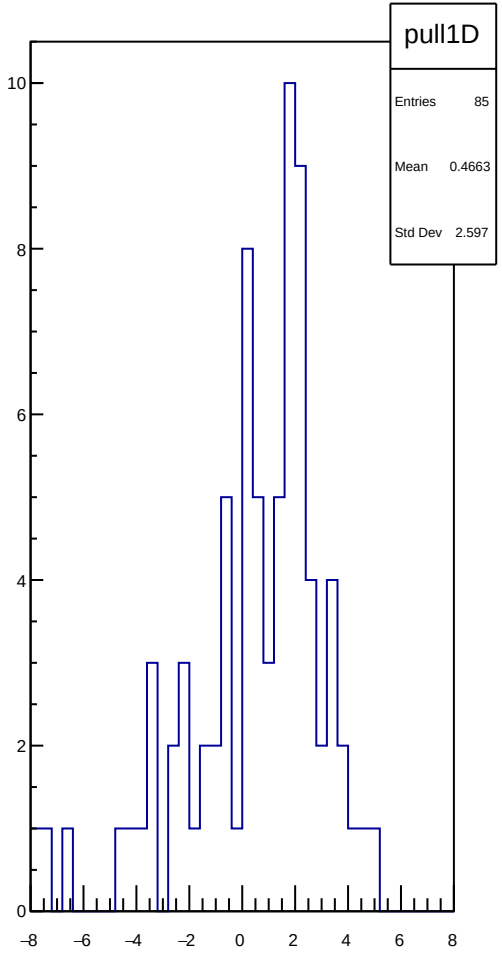

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 126.2 / 84
p0 4.161 ± 0.1597
pull
Entries 85
Mean 2.694
Std Dev 47.12
pull1D
Entries 85
Mean 0.08618
Std Dev 1.215

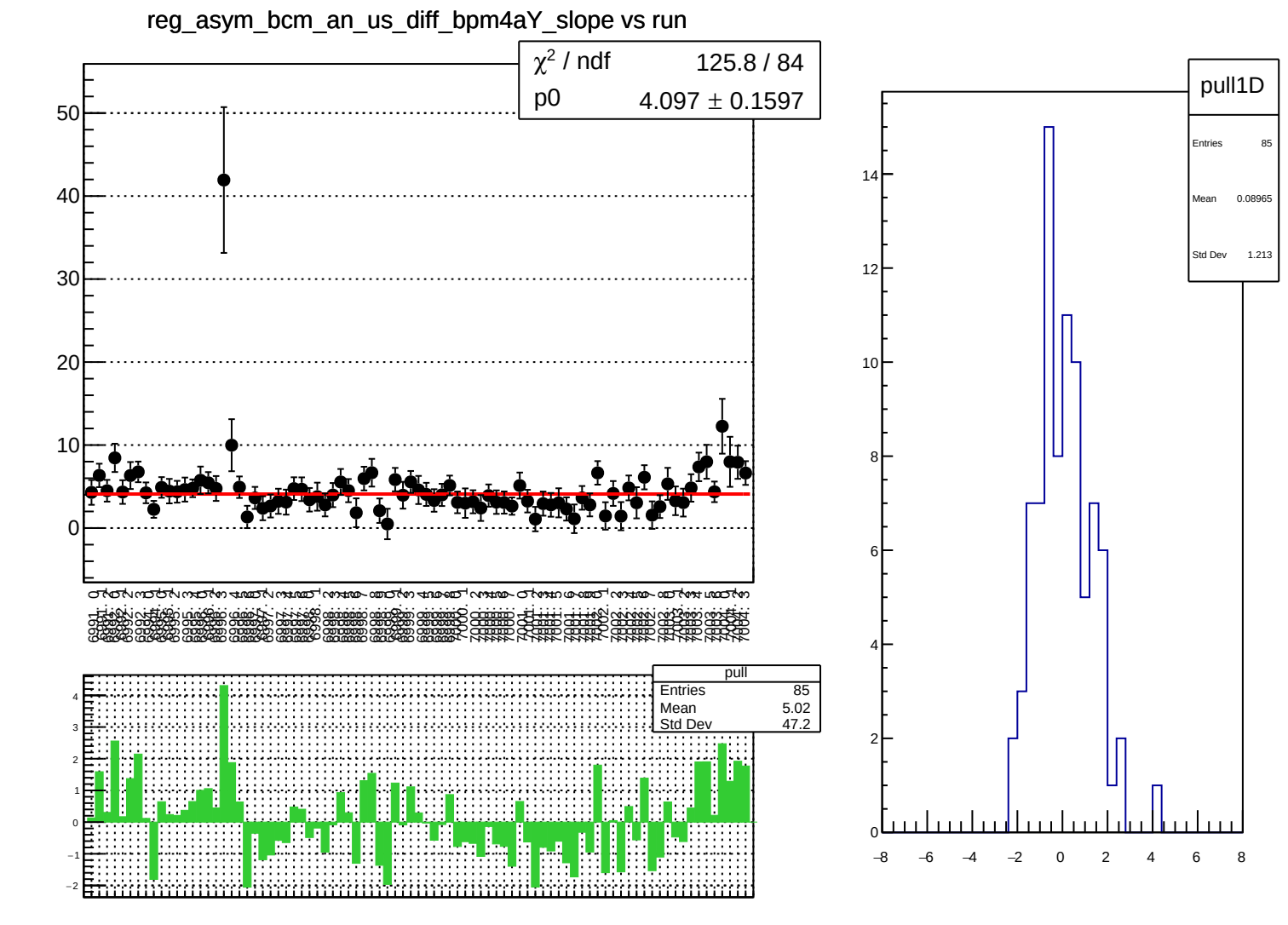

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 4655 / 84
p0 20.92 ± 0.214
500
400
300
200
100
pull
Entries 85
Mean 69.79
Std Dev 32.84
50
40
30
20
10
0
pull1D
Entries 85
Mean −0.4649
Std Dev 2.488
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

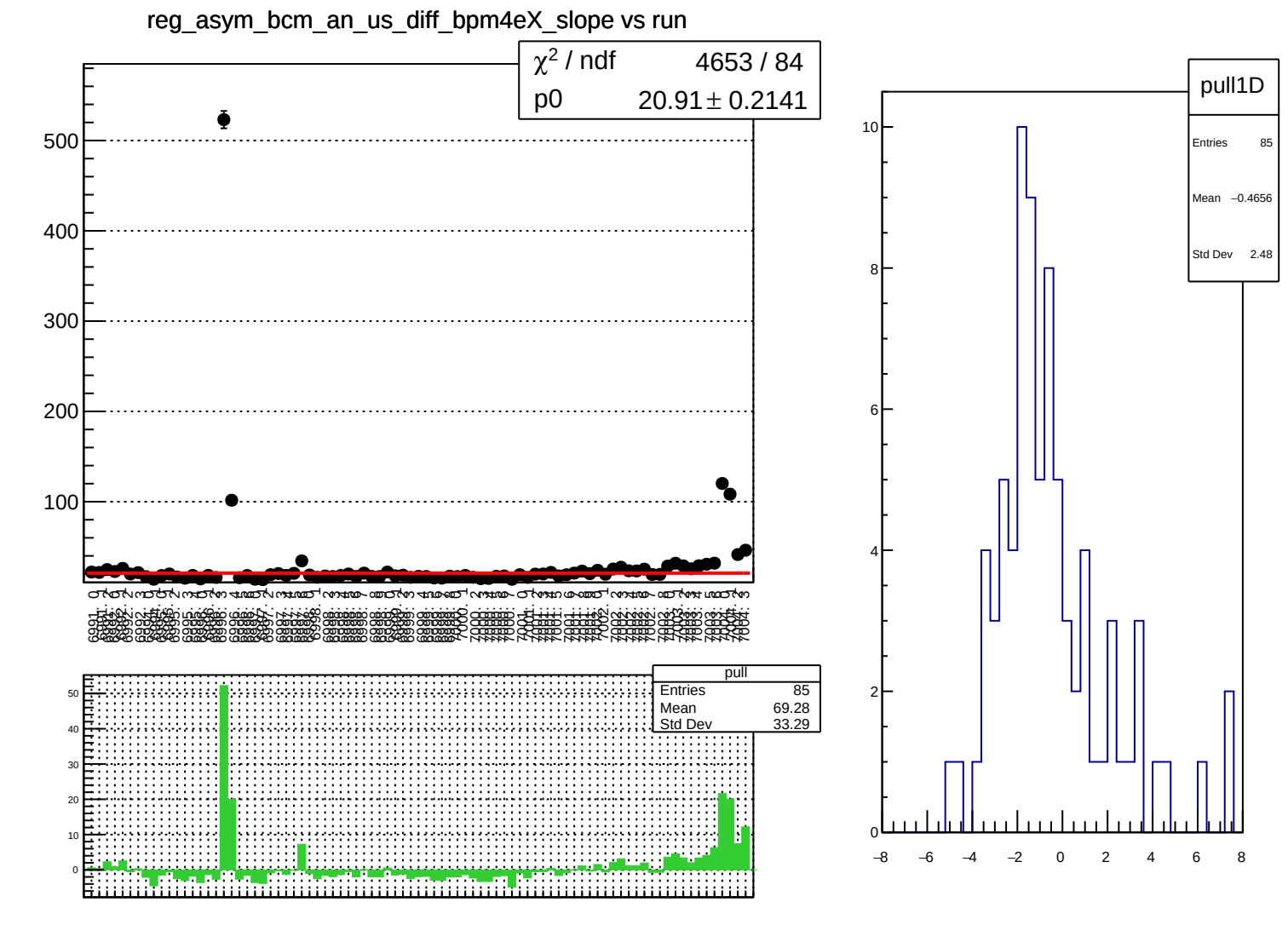

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 192.8 / 84
p0 −5.031 ± 0.1682
pull
Entries 85
Mean 12.77
Std Dev 44.22
pull1D
Entries 85
Mean −0.1522
Std Dev 1.498

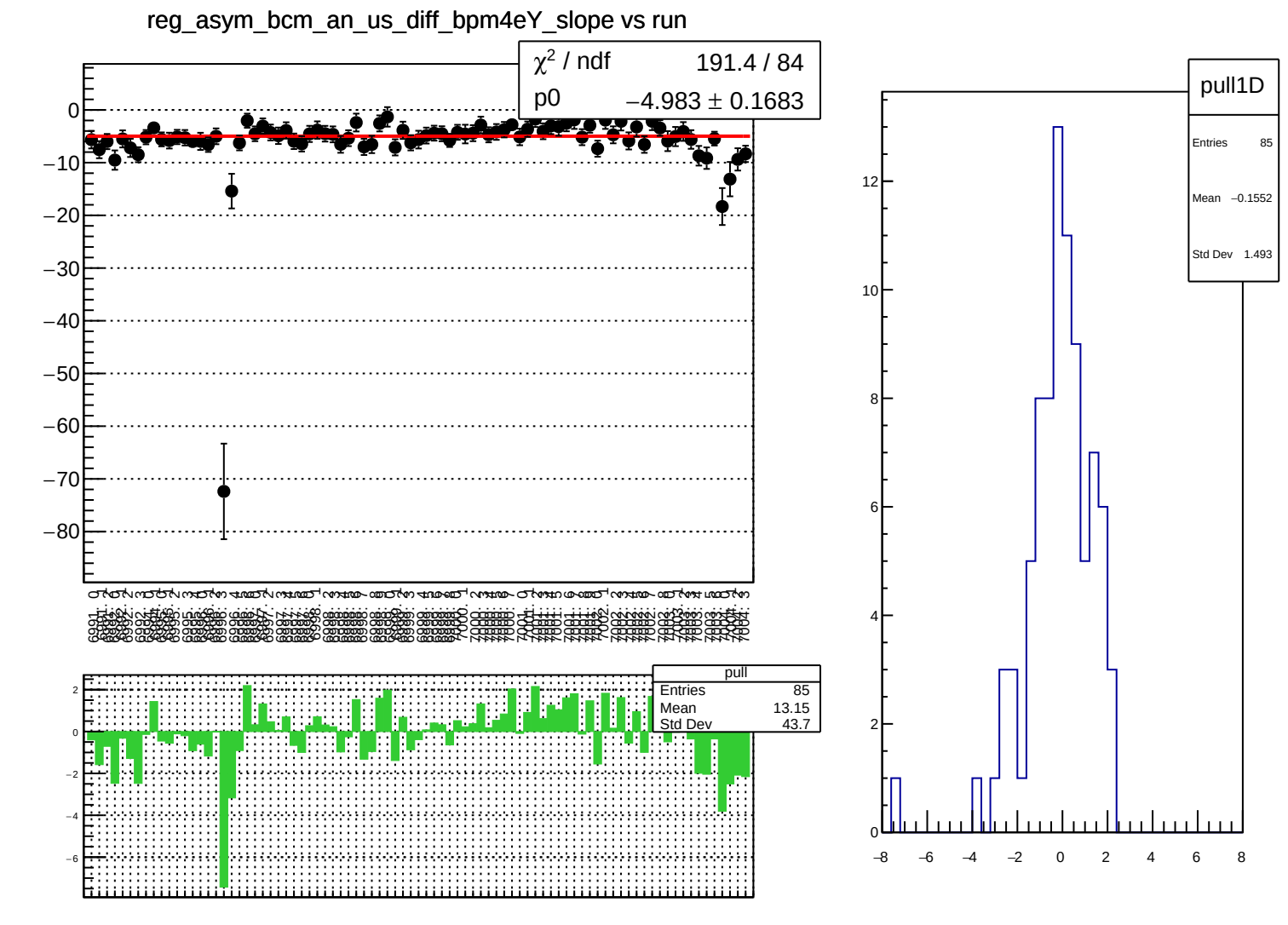

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 268.4 / 84
p0 0.1716 ± 0.007676
pull
Entries 85
Mean 58.24
Std Dev 24.22
pull1D
Entries 85
Mean 0.05627
Std Dev 1.208

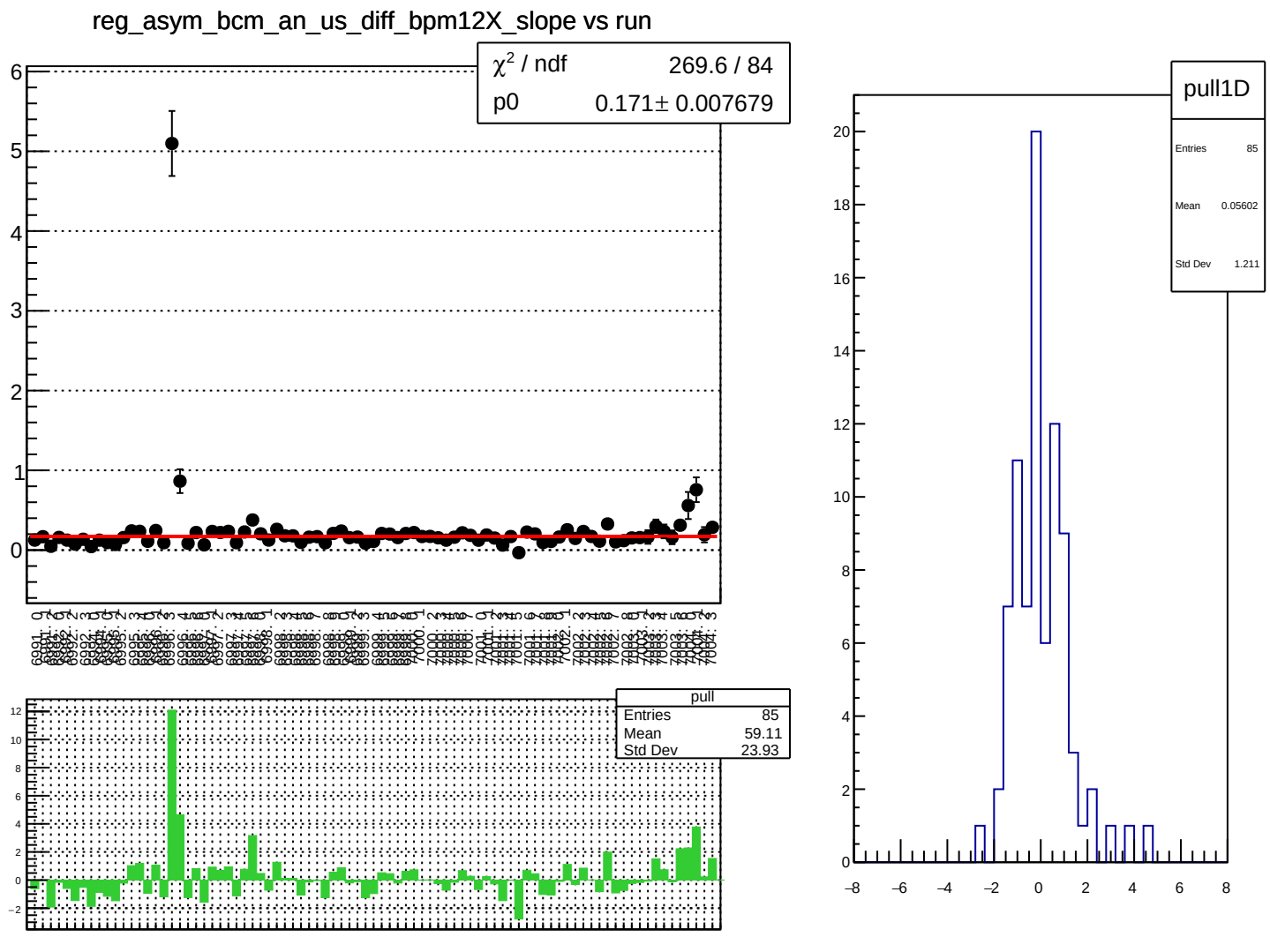

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 4829 / 84
p0 −23.21 ± 0.2319
pull
Entries 85
Mean 70.68
Std Dev 32.48

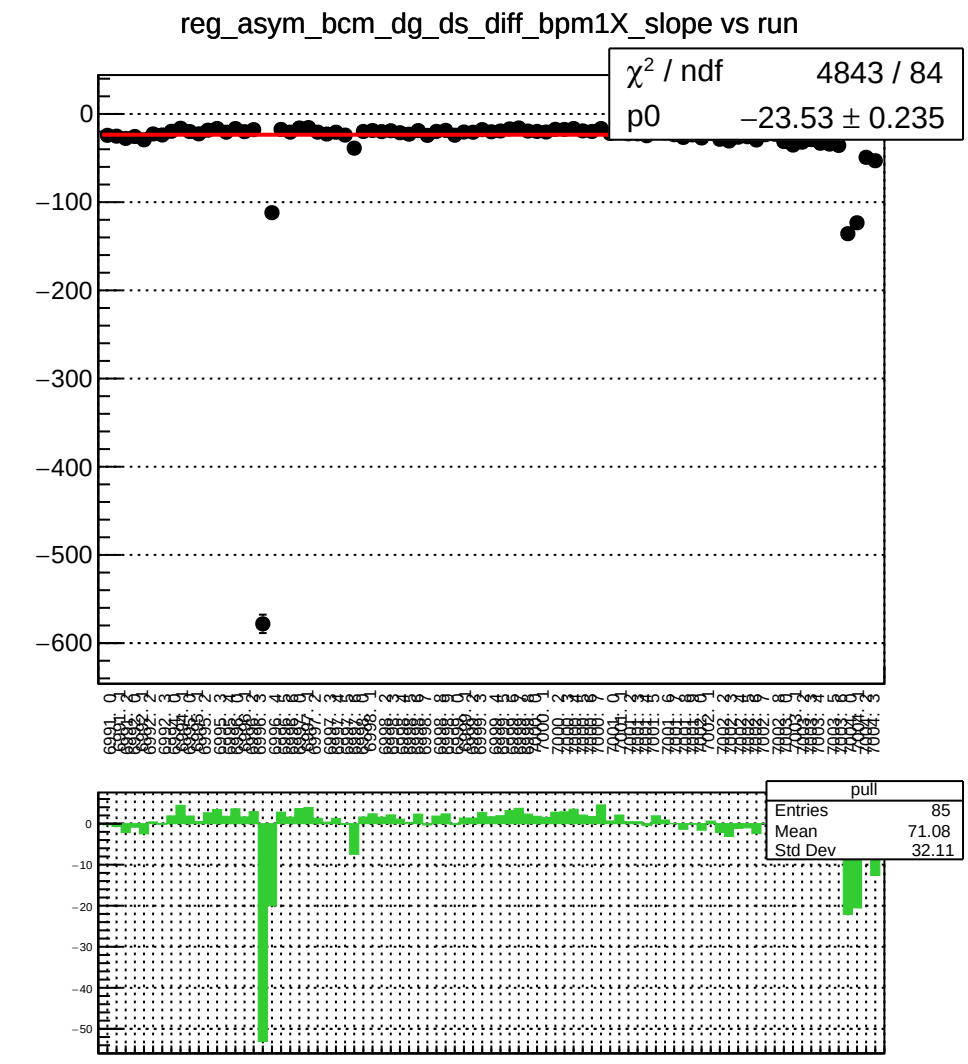

pull1D
Entries 85
Mean 0.4663
Std Dev 2.597

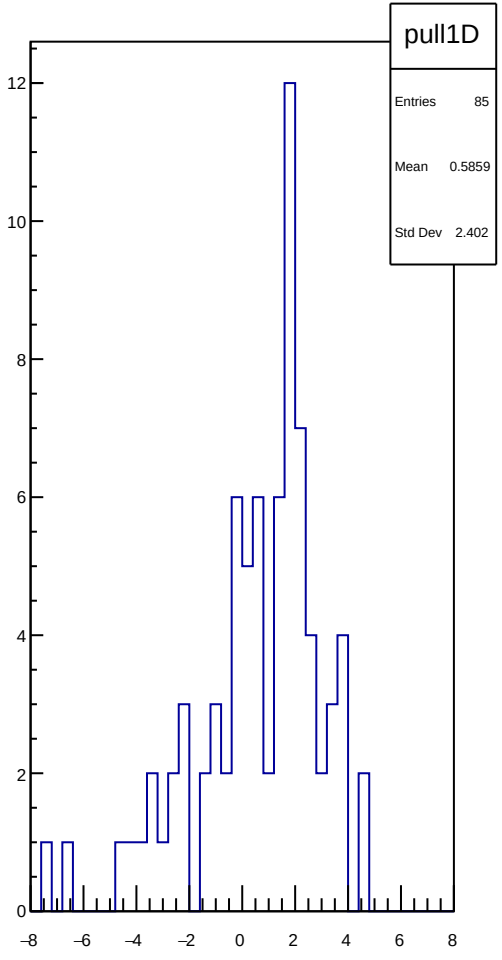

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 125.8 / 84
p0 4.097 ± 0.1597
pull
Entries 85
Mean 5.02
Std Dev 47.2
pull1D
Entries 85
Mean 0.08965
Std Dev 1.213

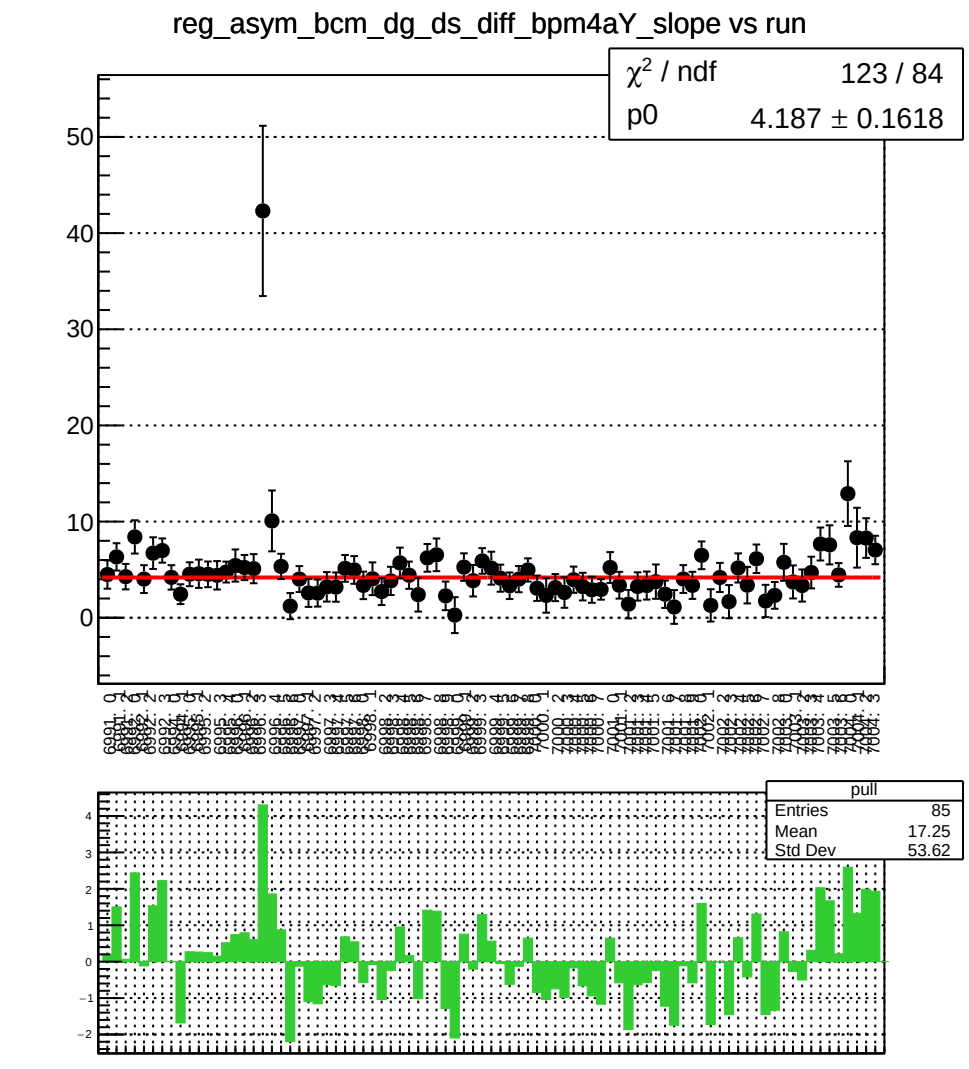

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 4653 / 84
p0 20.91 ± 0.2141
500
400
300
200
100
pull
Entries 85
Mean 69.28
Std Dev 33.29
50
40
30
20
10
0
pull1D
Entries 85
Mean −0.4656
Std Dev 2.48
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

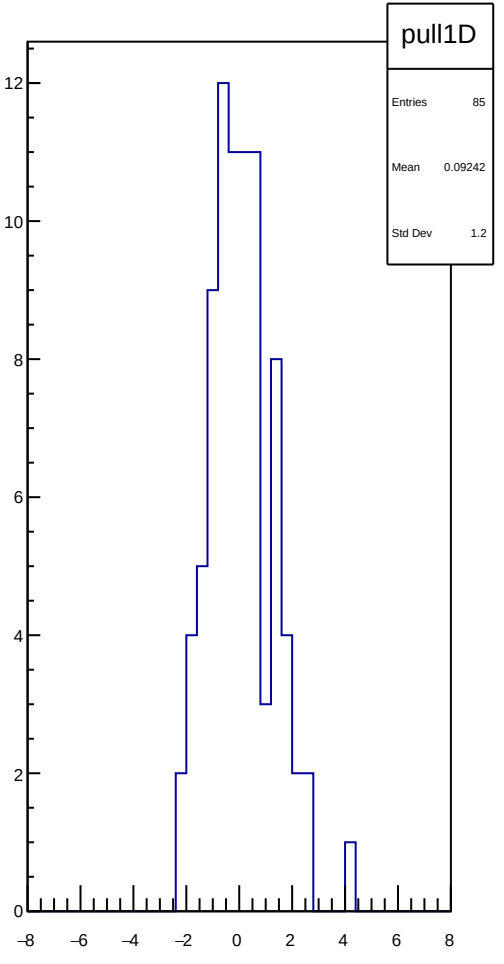

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 191.4 / 84
p0 −4.983 ± 0.1683
pull
Entries 85
Mean 13.15
Std Dev 43.7
pull1D
Entries 85
Mean −0.1552
Std Dev 1.493

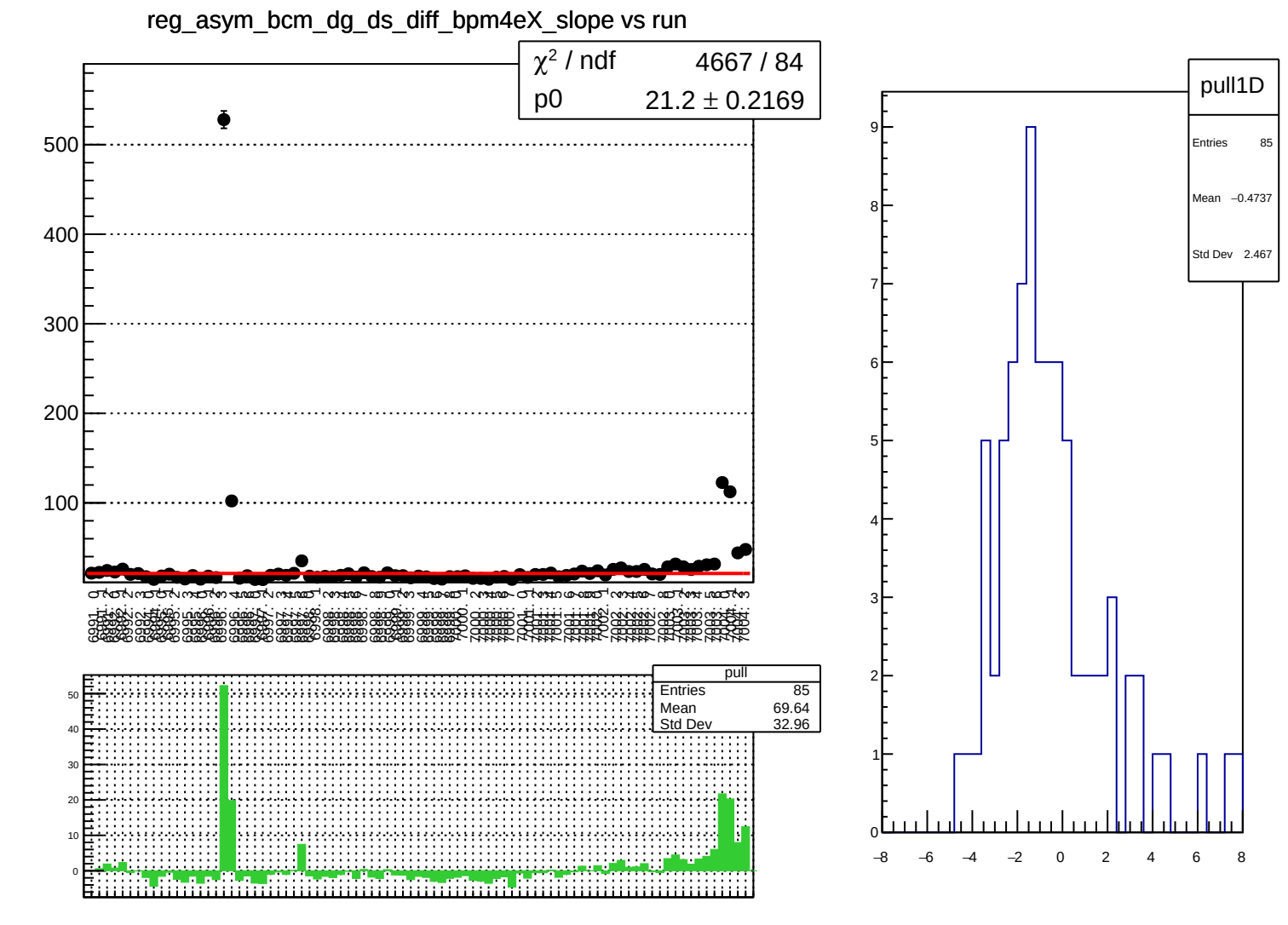

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 269.6 / 84
p0 0.171± 0.007679
pull
Entries 85
Mean 59.11
Std Dev 23.93
pull1D
Entries 85
Mean 0.05602
Std Dev 1.211

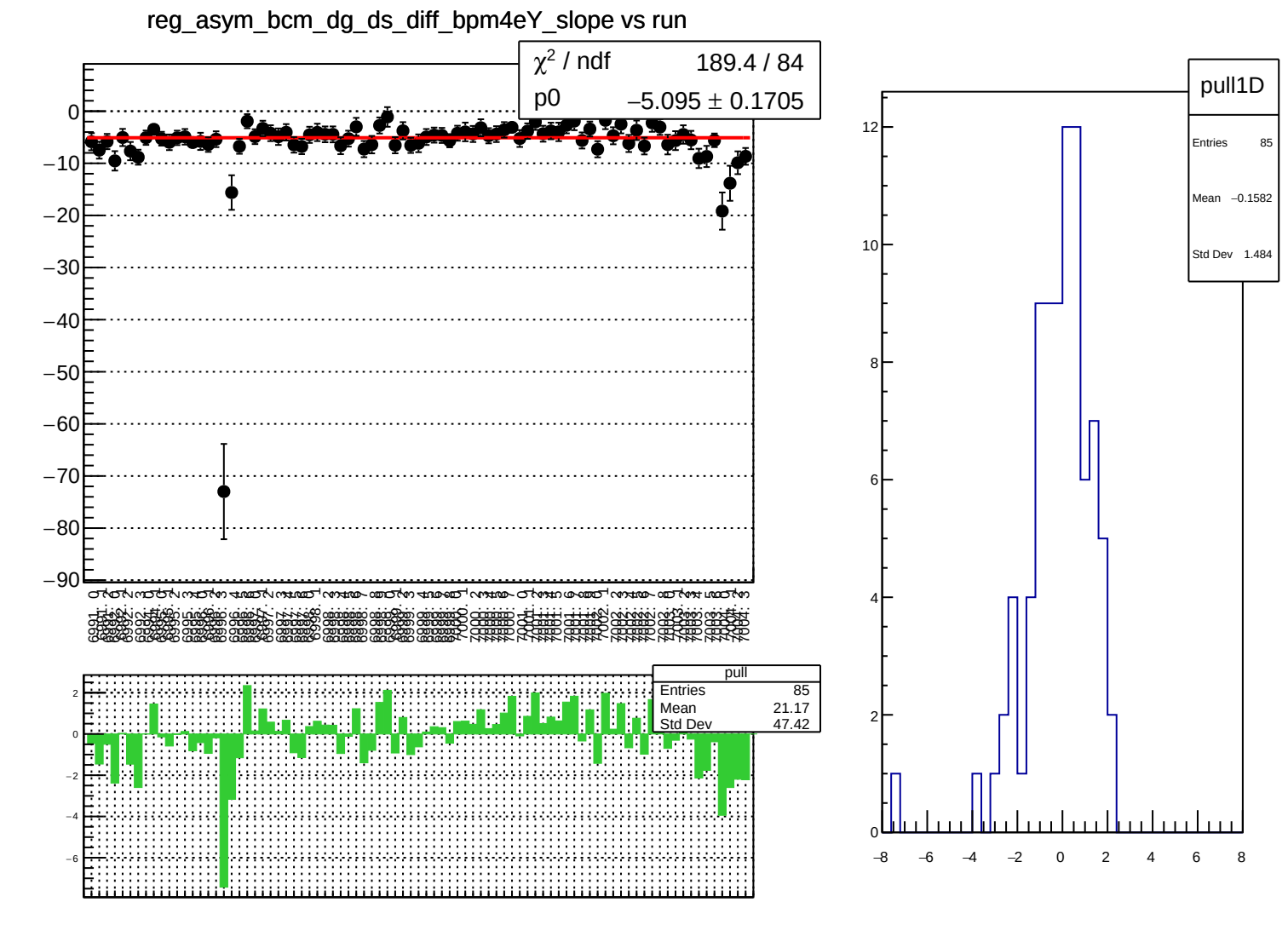

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 4843 / 84
p0 −23.53 ± 0.235
pull
Entries 85
Mean 71.08
Std Dev 32.11

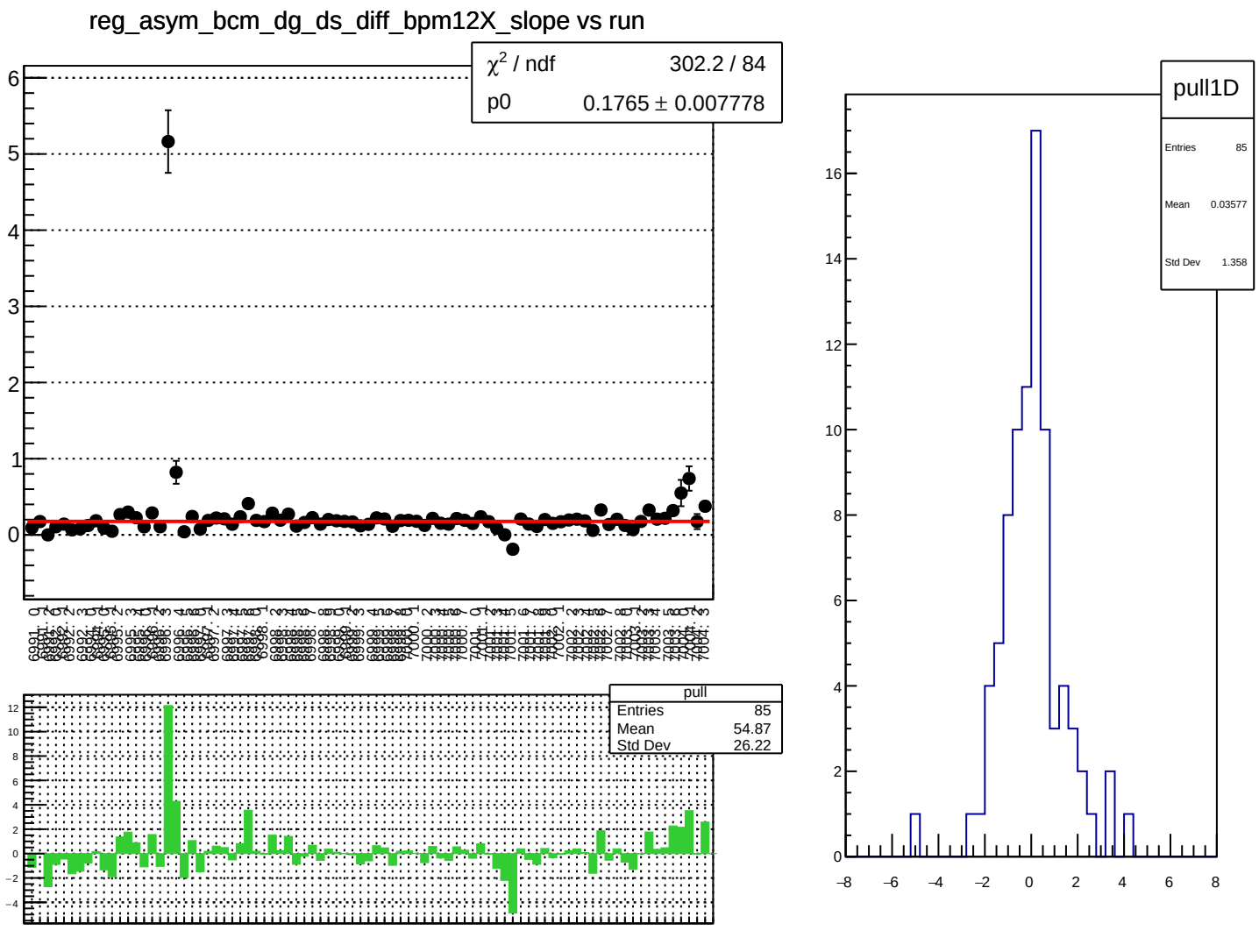

pull1D
Entries 85
Mean 0.5859
Std Dev 2.402

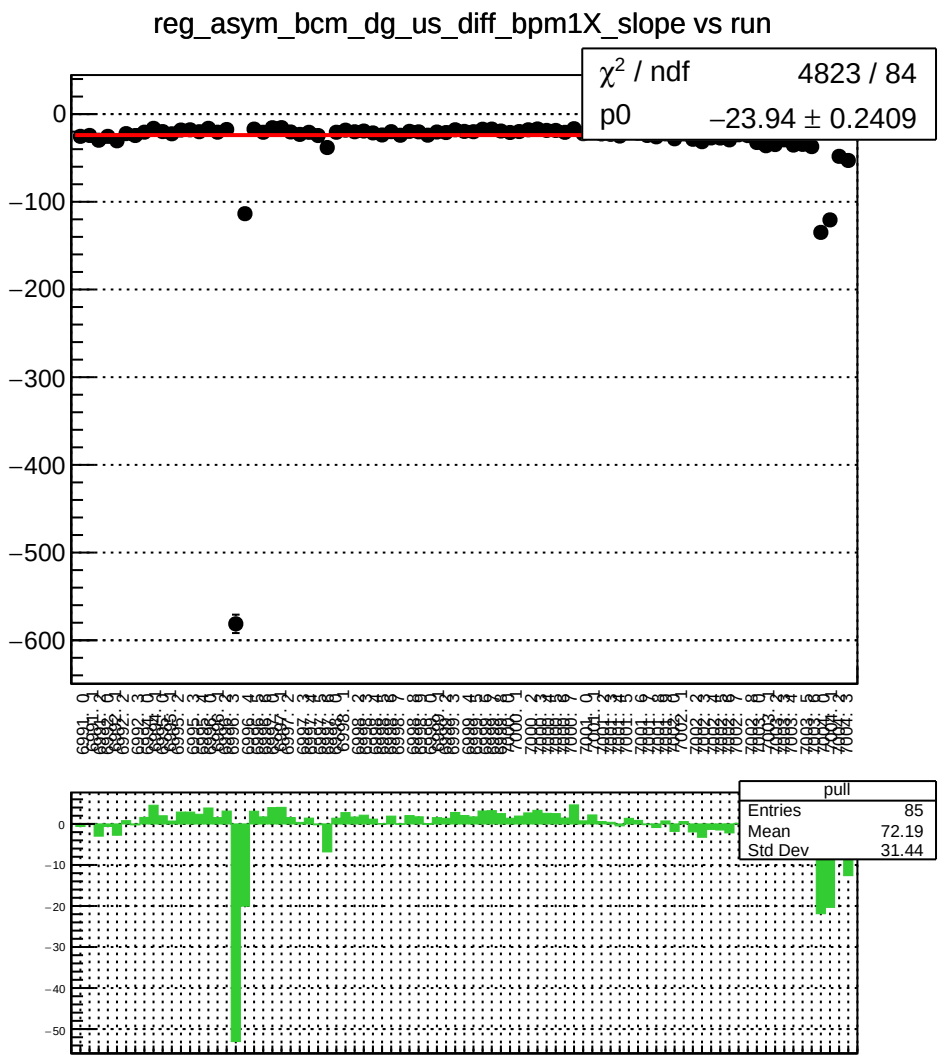

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 123 / 84
p0 4.187 ± 0.1618
pull
Entries 85
Mean 17.25
Std Dev 53.62

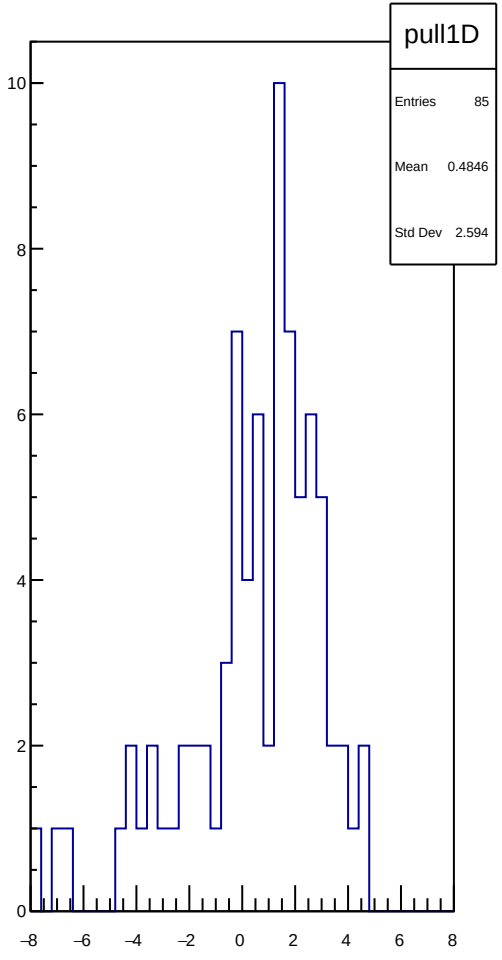

pull1D
Entries 85
Mean 0.09242
Std Dev 1.2

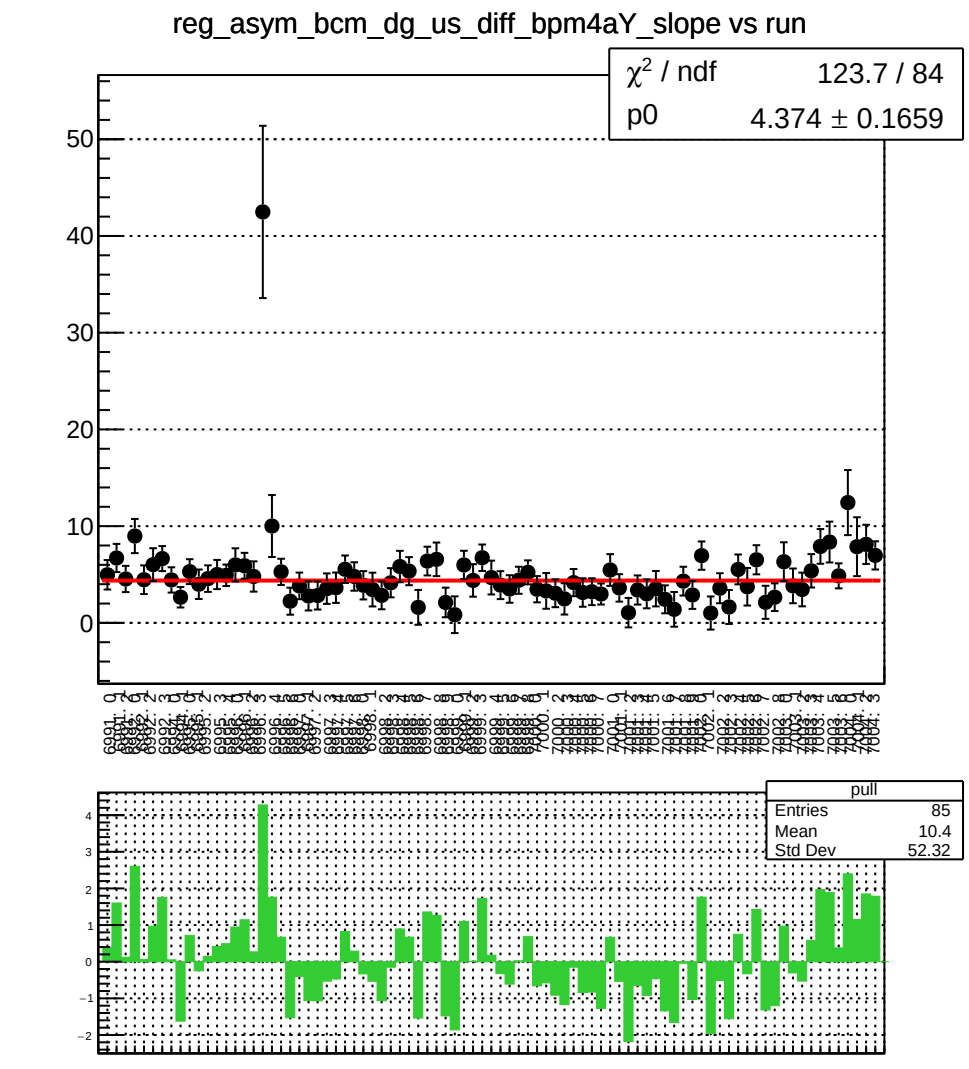

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 4667 / 84
p0 21.2 ± 0.2169
500
400
300
200
100
pull
Entries 85
Mean 69.64
Std Dev 32.96
50
40
30
20
10
0
pull1D
Entries 85
Mean −0.4737
Std Dev 2.467
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

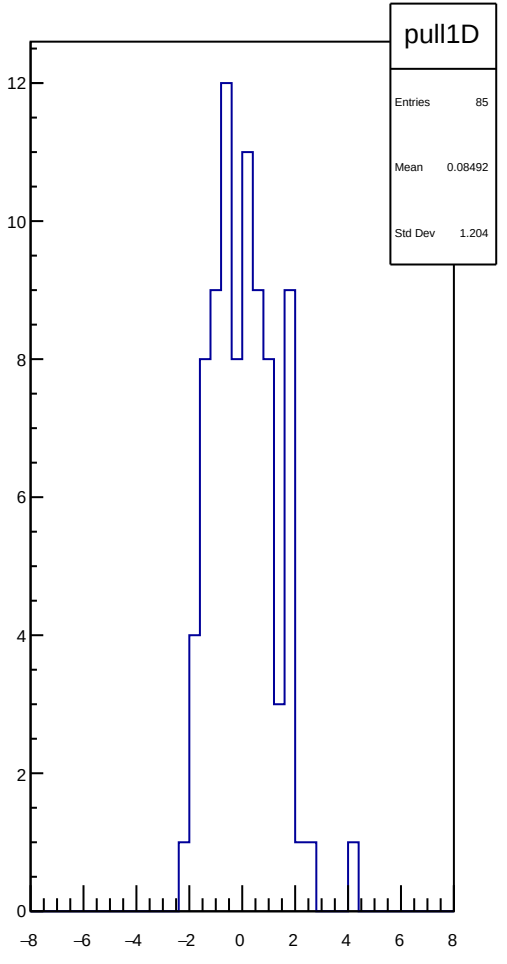

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 189.4 / 84
p0 −5.095 ± 0.1705
pull
Entries 85
Mean 21.17
Std Dev 47.42
pull1D
Entries 85
Mean −0.1582
Std Dev 1.484

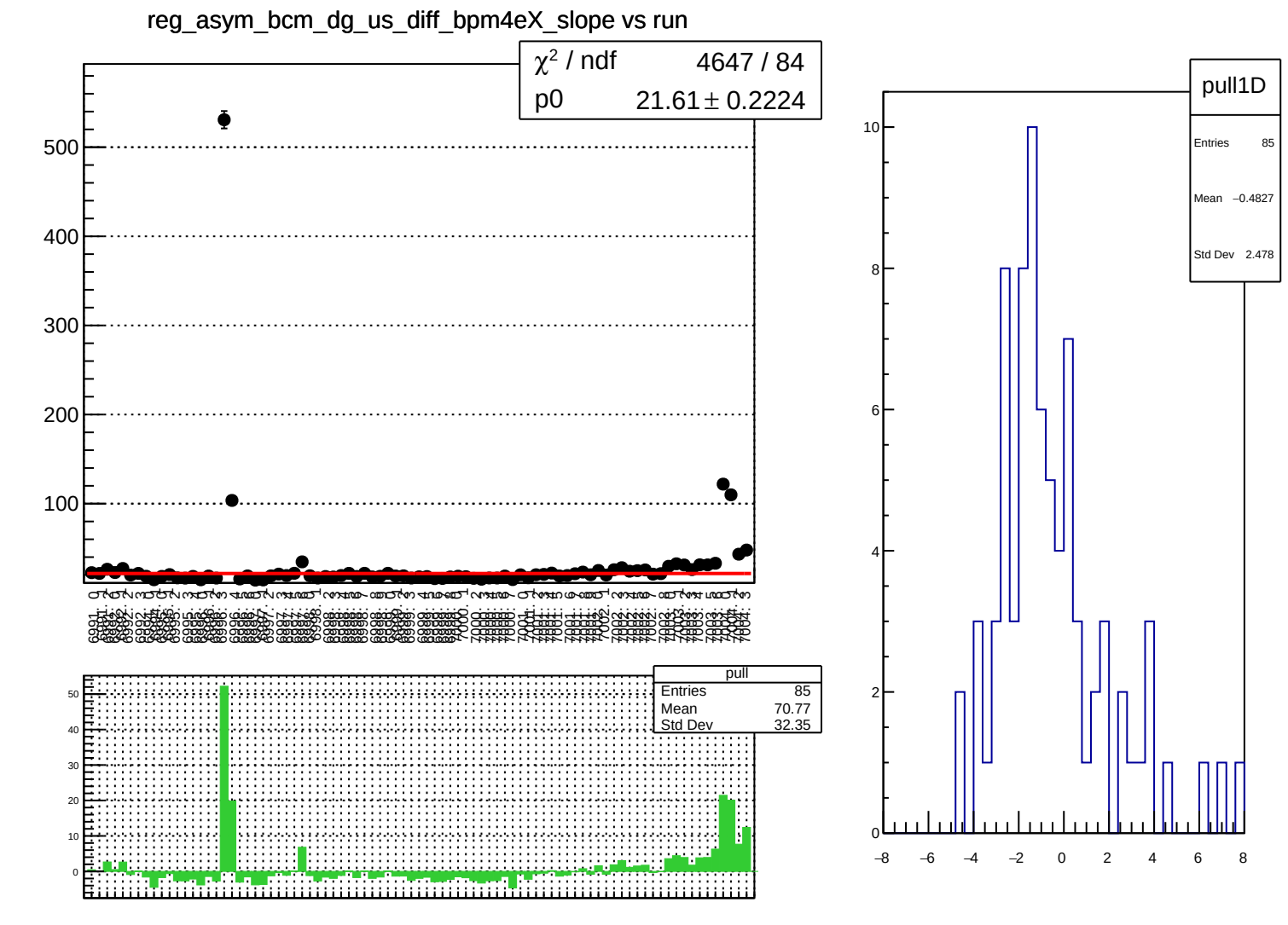

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 302.2 / 84
p0 0.1765 ± 0.007778
pull
Entries 85
Mean 54.87
Std Dev 26.22
pull1D
Entries 85
Mean 0.03577
Std Dev 1.358

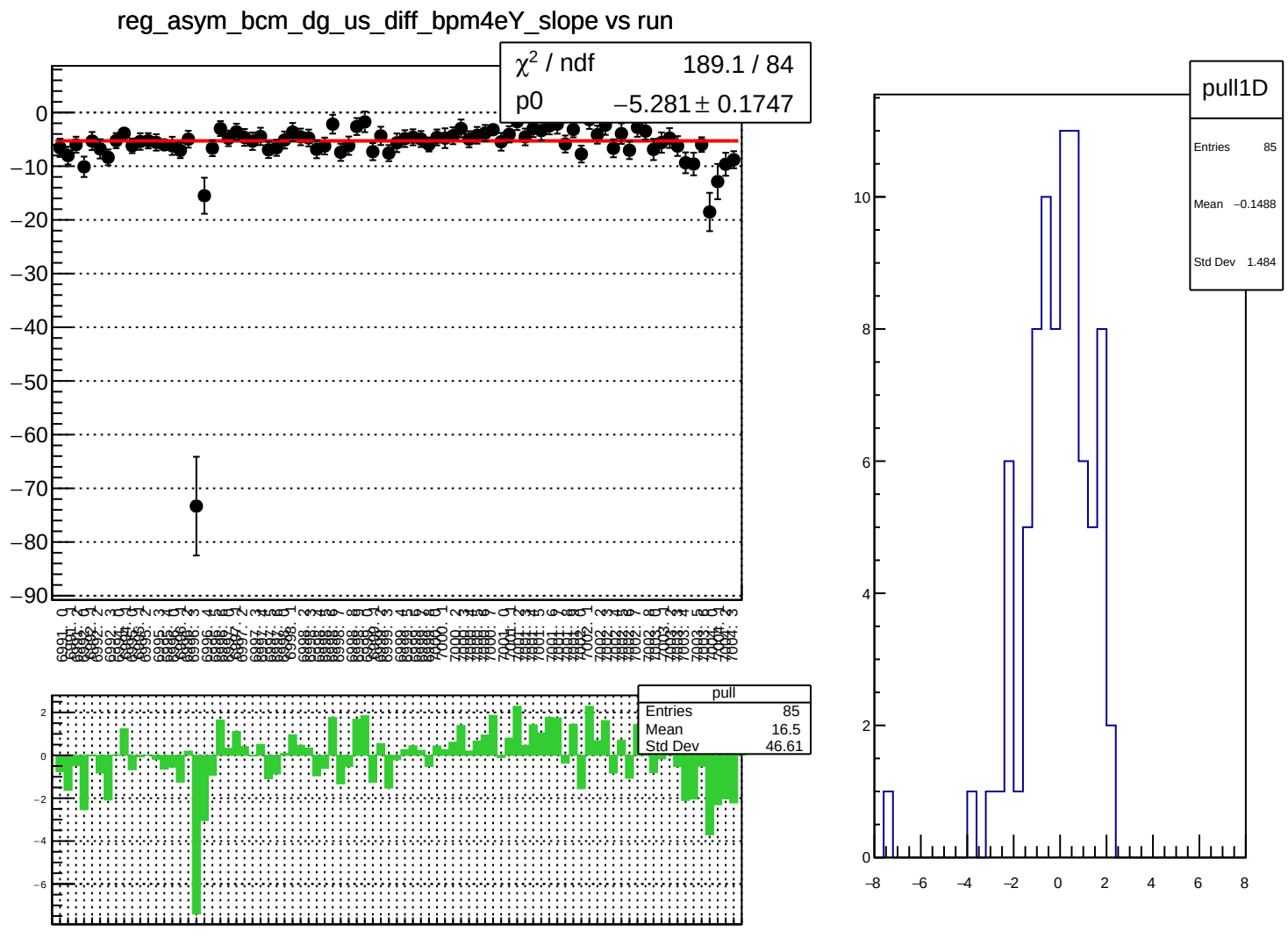

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 4823 / 84
p0 −23.94 ± 0.2409
pull
Entries 85
Mean 72.19
Std Dev 31.44

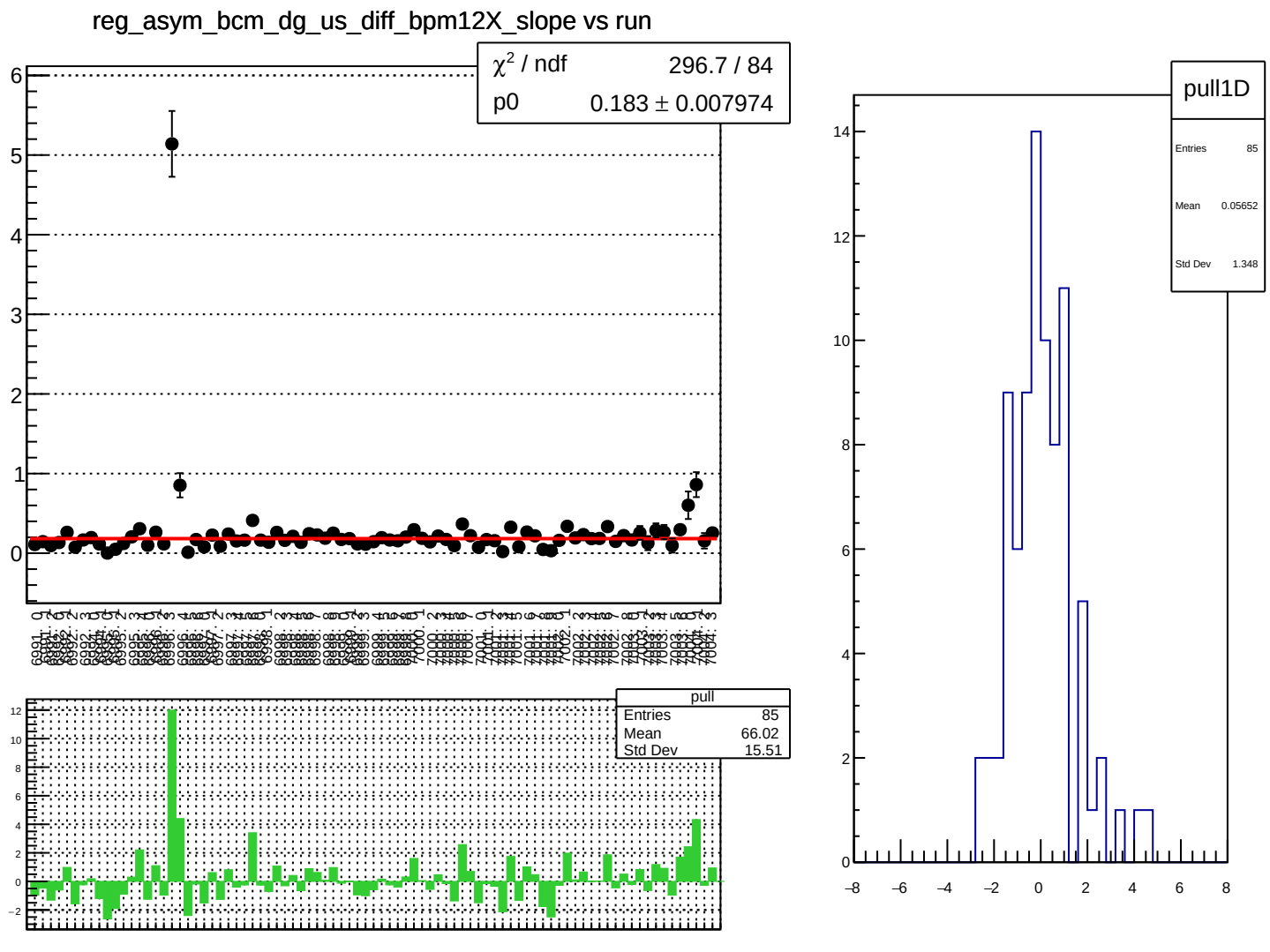

pull1D
Entries 85
Mean 0.4846
Std Dev 2.594


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 123.7 / 84
p0 4.374 ± 0.1659
pull
Entries 85
Mean 10.4
Std Dev 52.32


pull1D
Entries 85
Mean 0.08492
Std Dev 1.204


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 4647 / 84
p0 21.61 ± 0.2224
500
400
300
200
100
pull
Entries 85
Mean 70.77
Std Dev 32.35
50
40
30
20
10
0
pull1D
Entries 85
Mean −0.4827
Std Dev 2.478
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 189.1 / 84
p0 −5.281 ± 0.1747
pull
Entries 85
Mean 16.5
Std Dev 46.61
pull1D
Entries 85
Mean −0.1488
Std Dev 1.484


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 296.7 / 84
p0 0.183 ± 0.007974
pull
Entries 85
Mean 66.02
Std Dev 15.51
pull1D
Entries 85
Mean 0.05652
Std Dev 1.348