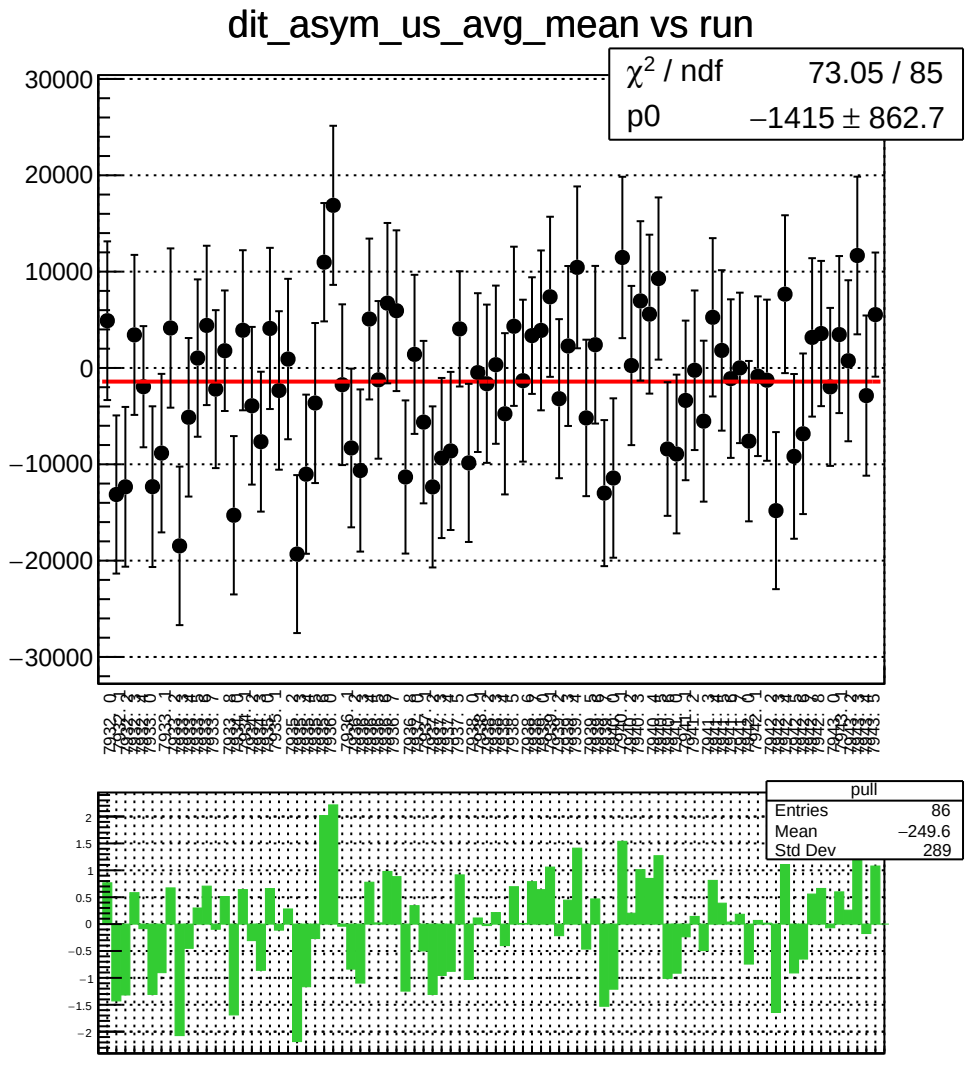
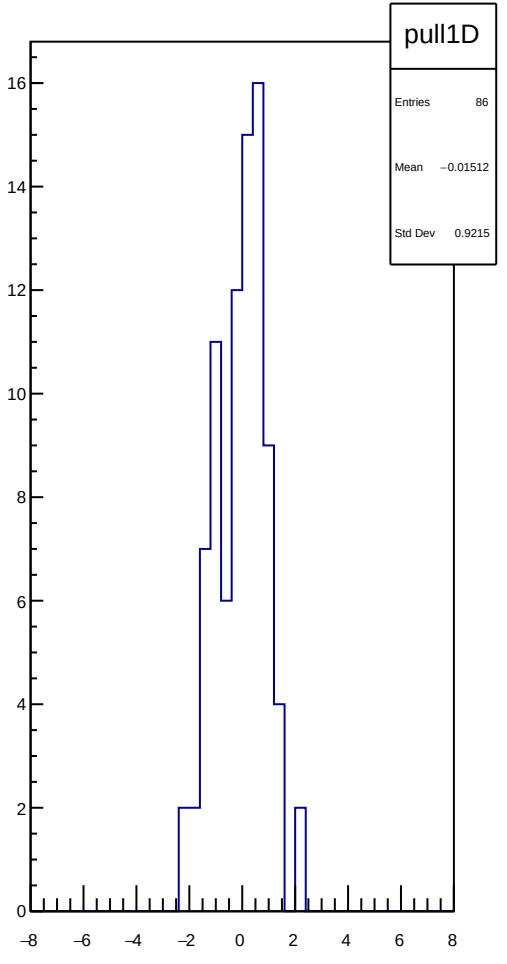
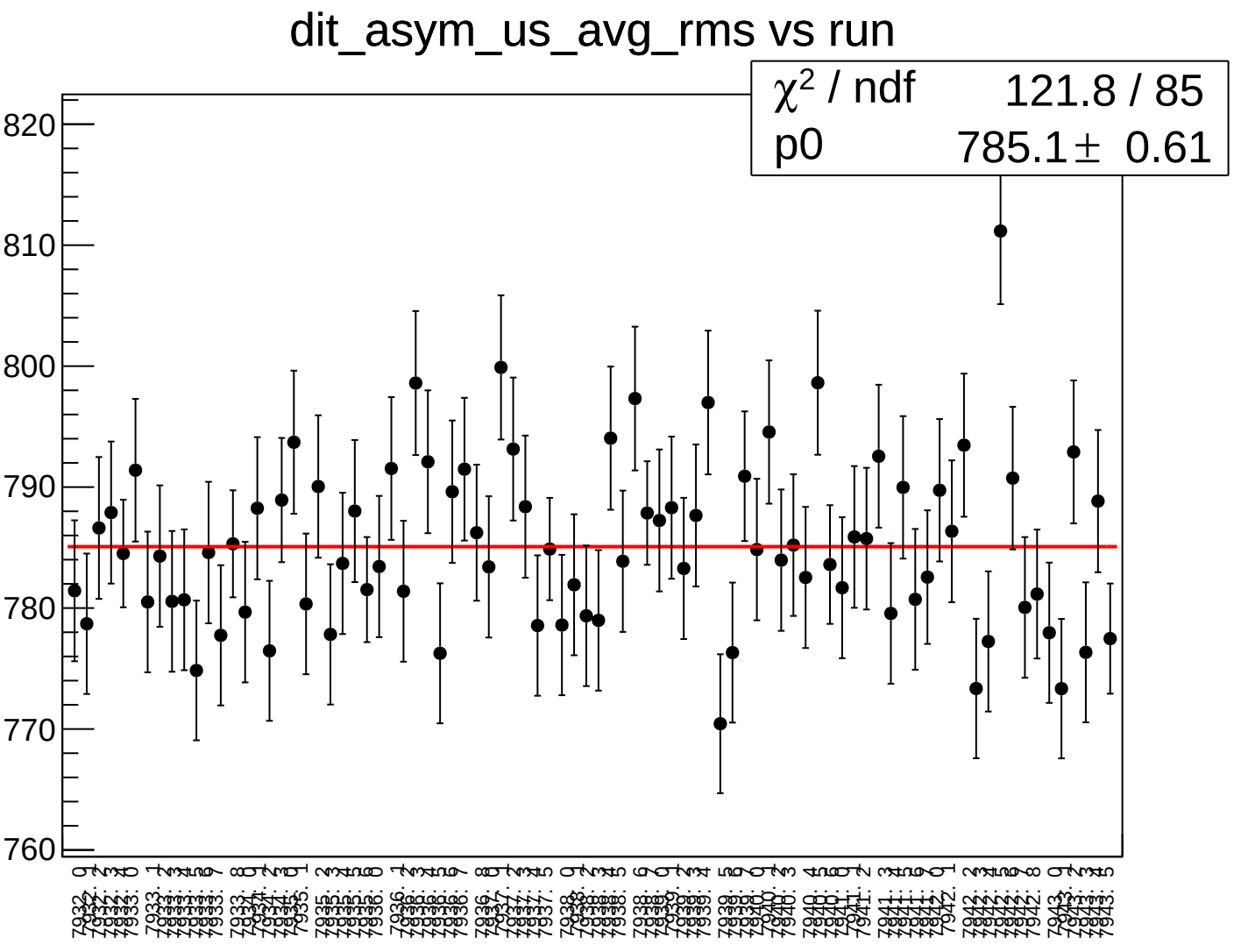
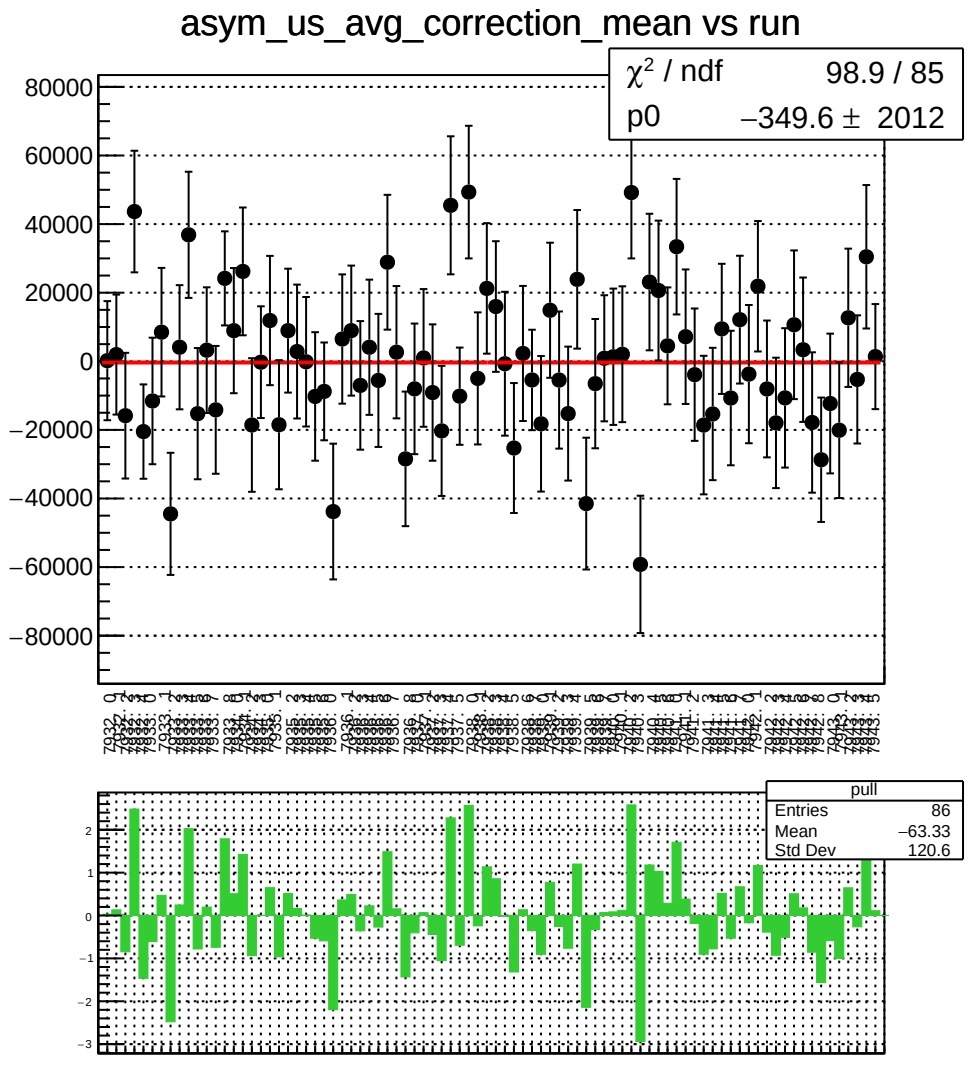
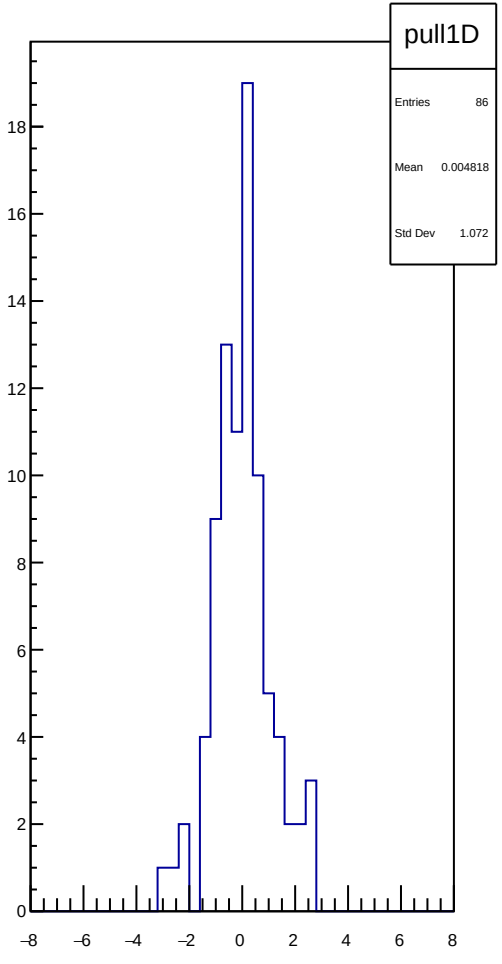
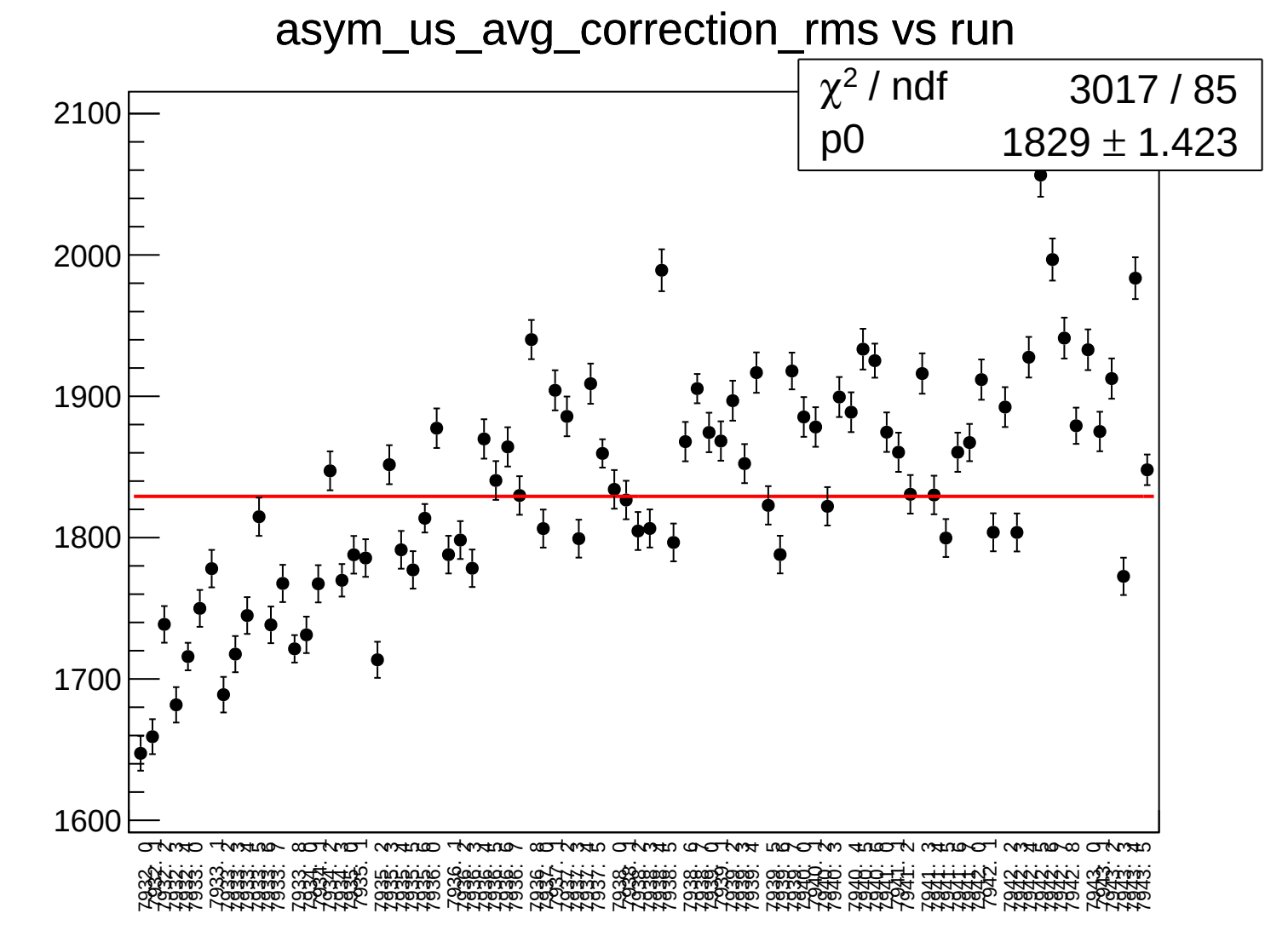

dit_asym_us_avg_mean vs run
χ² / ndf 73.05 / 85
p0 −1415 ± 862.7
pull
Entries 86
Mean −249.6
Std Dev 289

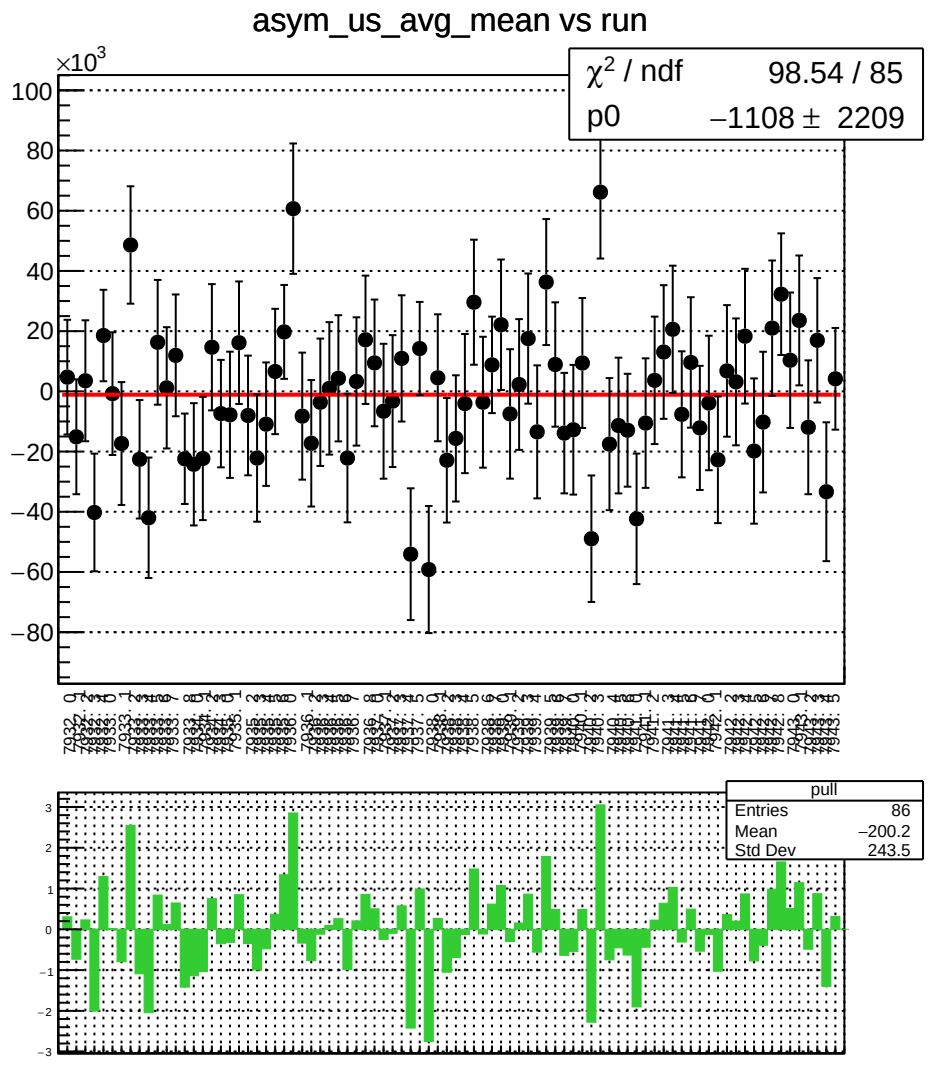

pull1D
Entries 86
Mean −0.01512
Std Dev 0.9215

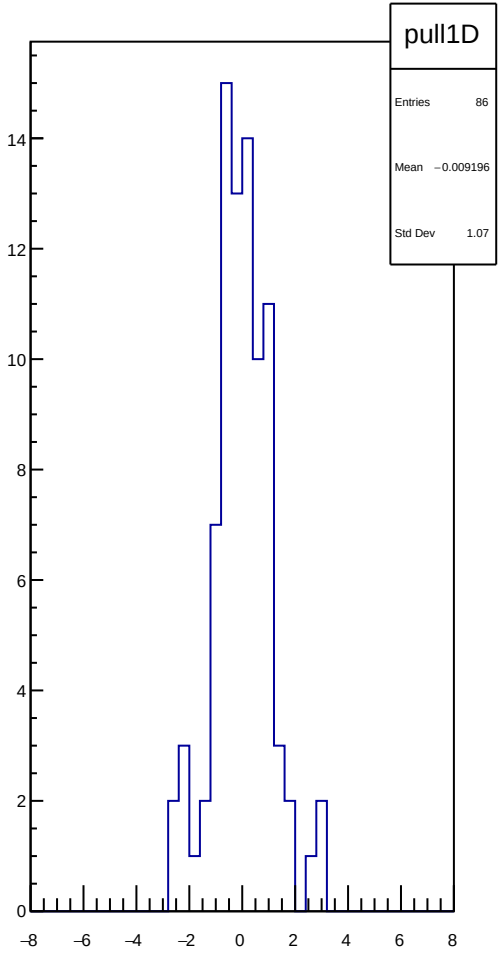

dit_asym_us_avg_rms vs run
χ² / ndf 121.8 / 85
p0 785.1 ± 0.61
820
810
800
790
780
770
760

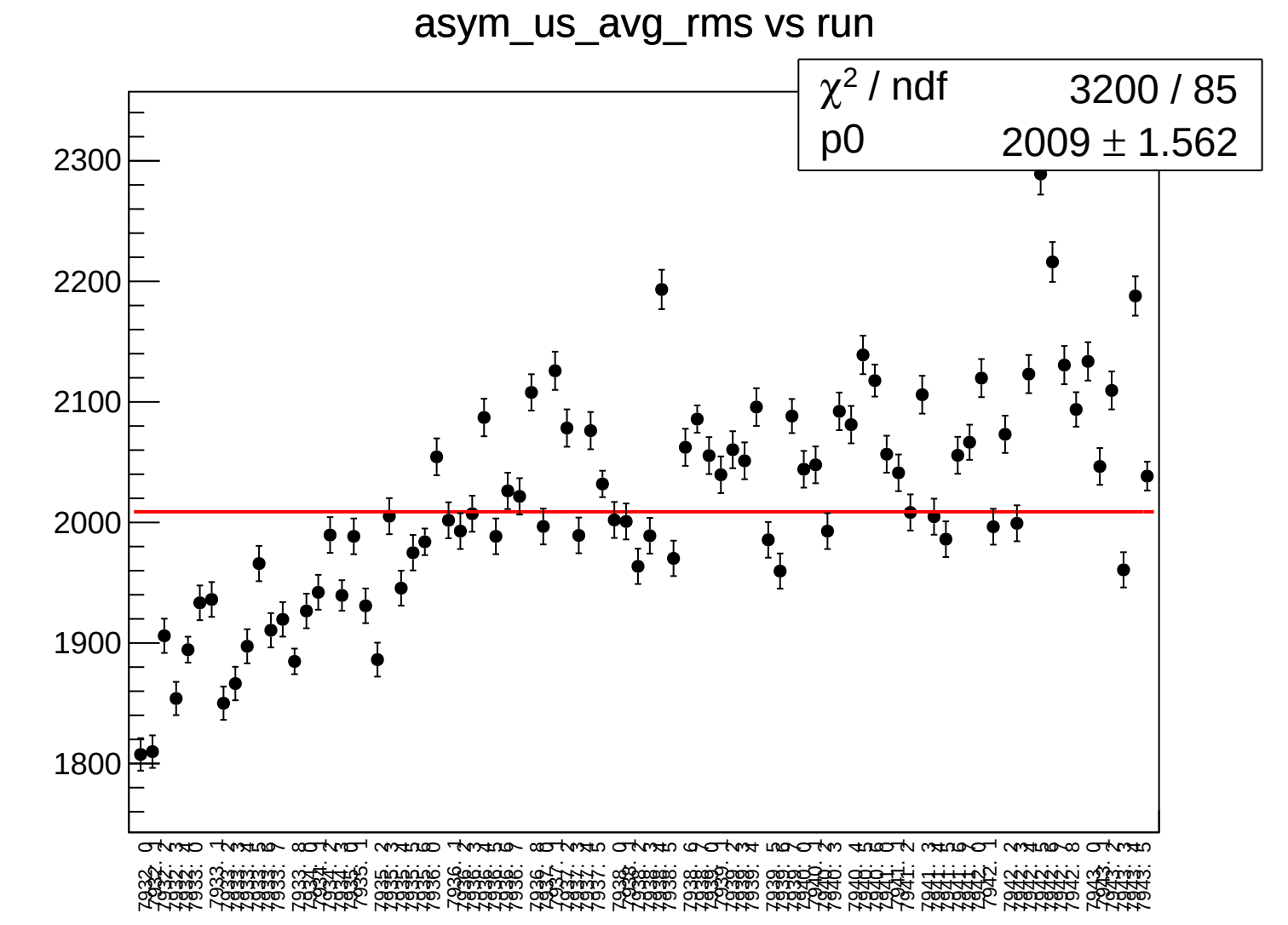

asym_us_avg_correction_mean vs run
χ² / ndf 98.9 / 85
p0 −349.6 ± 2012
pull
Entries 86
Mean −63.33
Std Dev 120.6

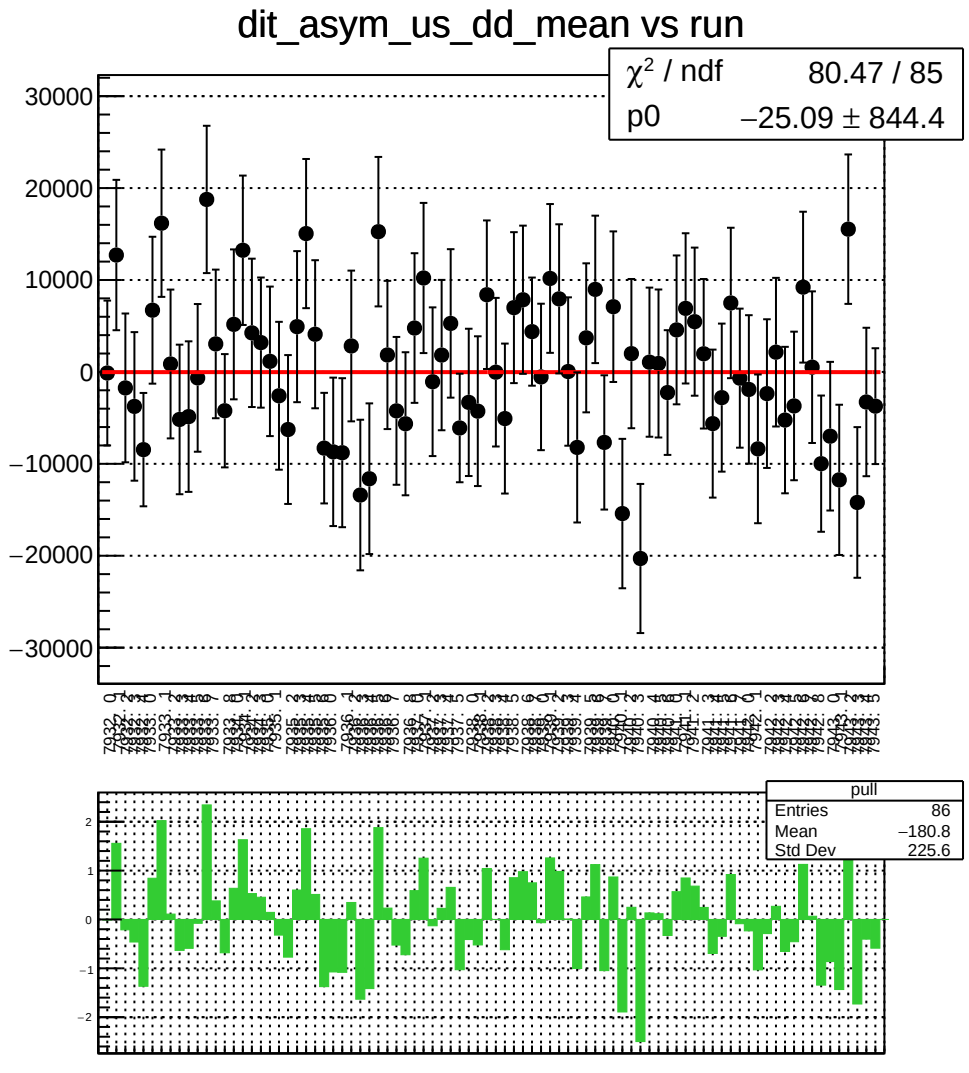

pull1D
Entries 86
Mean 0.004818
Std Dev 1.072

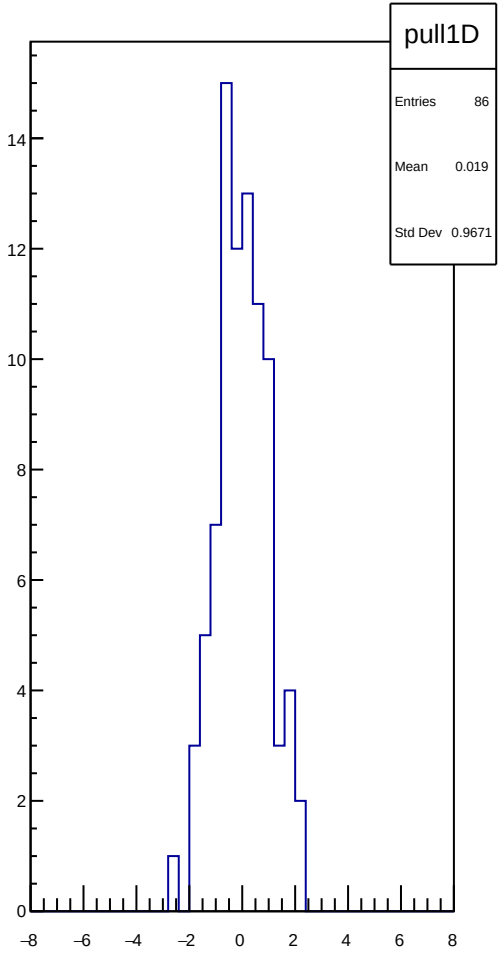

asym_us_avg_correction_rms vs run
χ² / ndf 3017 / 85
p0 1829 ± 1.423
2100
2000
1900
1800
1700
1600

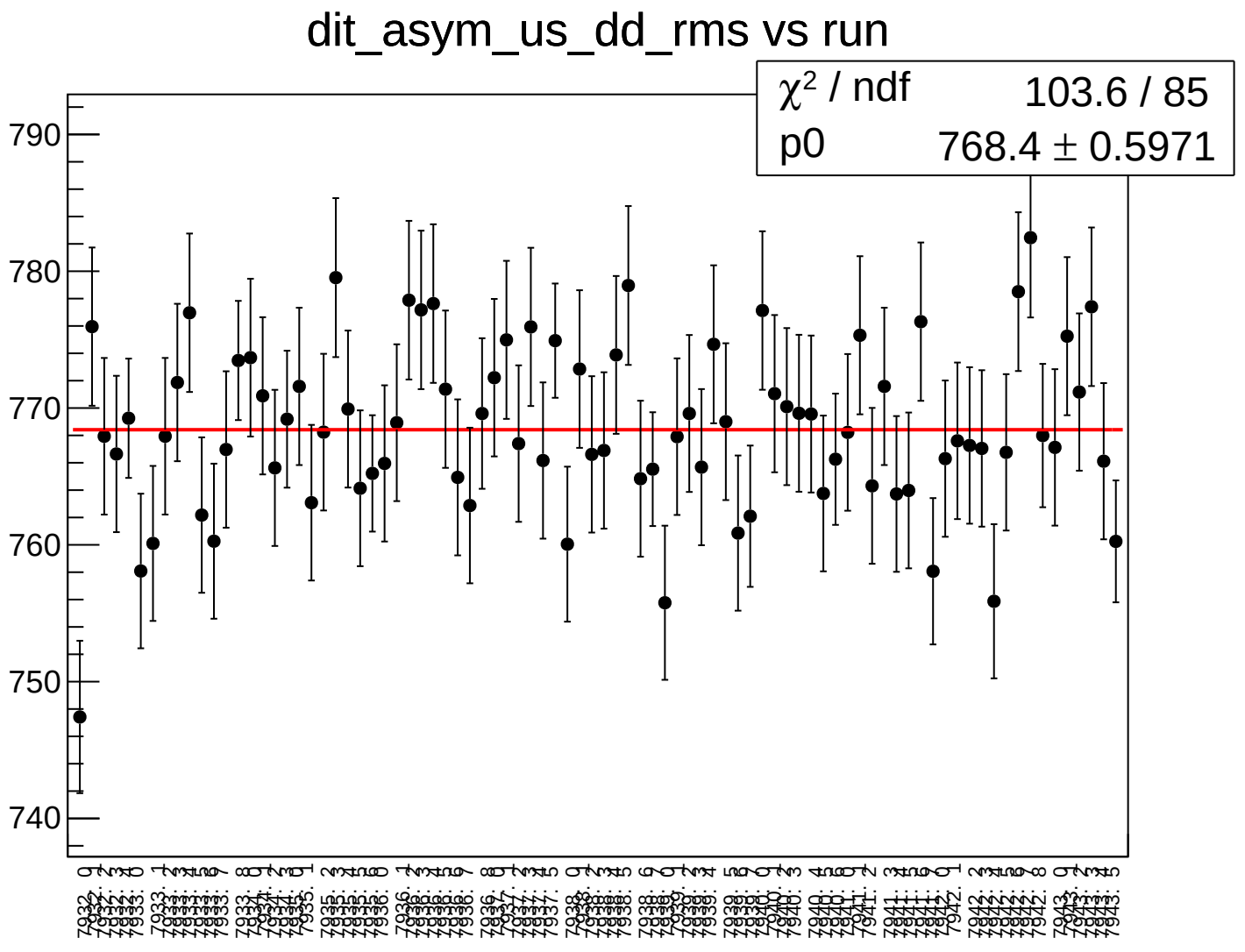

asym_us_avg_mean vs run
×10^3
χ² / ndf 98.54 / 85
p0 −1108 ± 2209
pull
Entries 86
Mean −200.2
Std Dev 243.5

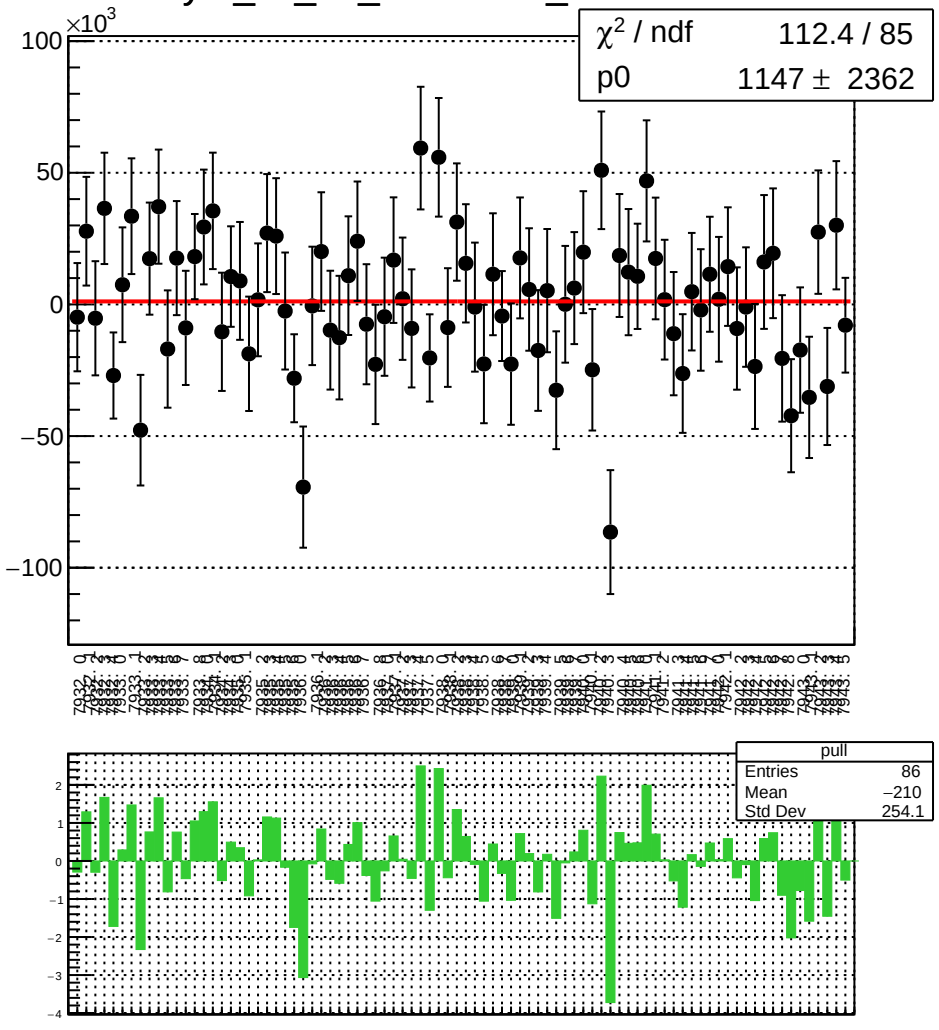

pull1D
Entries 86
Mean −0.009196
Std Dev 1.07

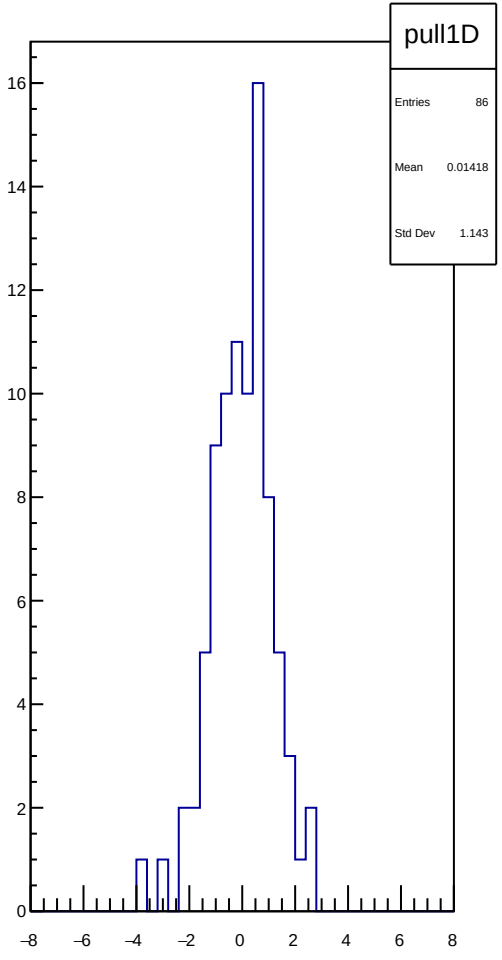

asym_us_avg_rms vs run
χ^2 / ndf 3200 / 85
p0 2009 ± 1.562
2300
2200
2100
2000
1900
1800

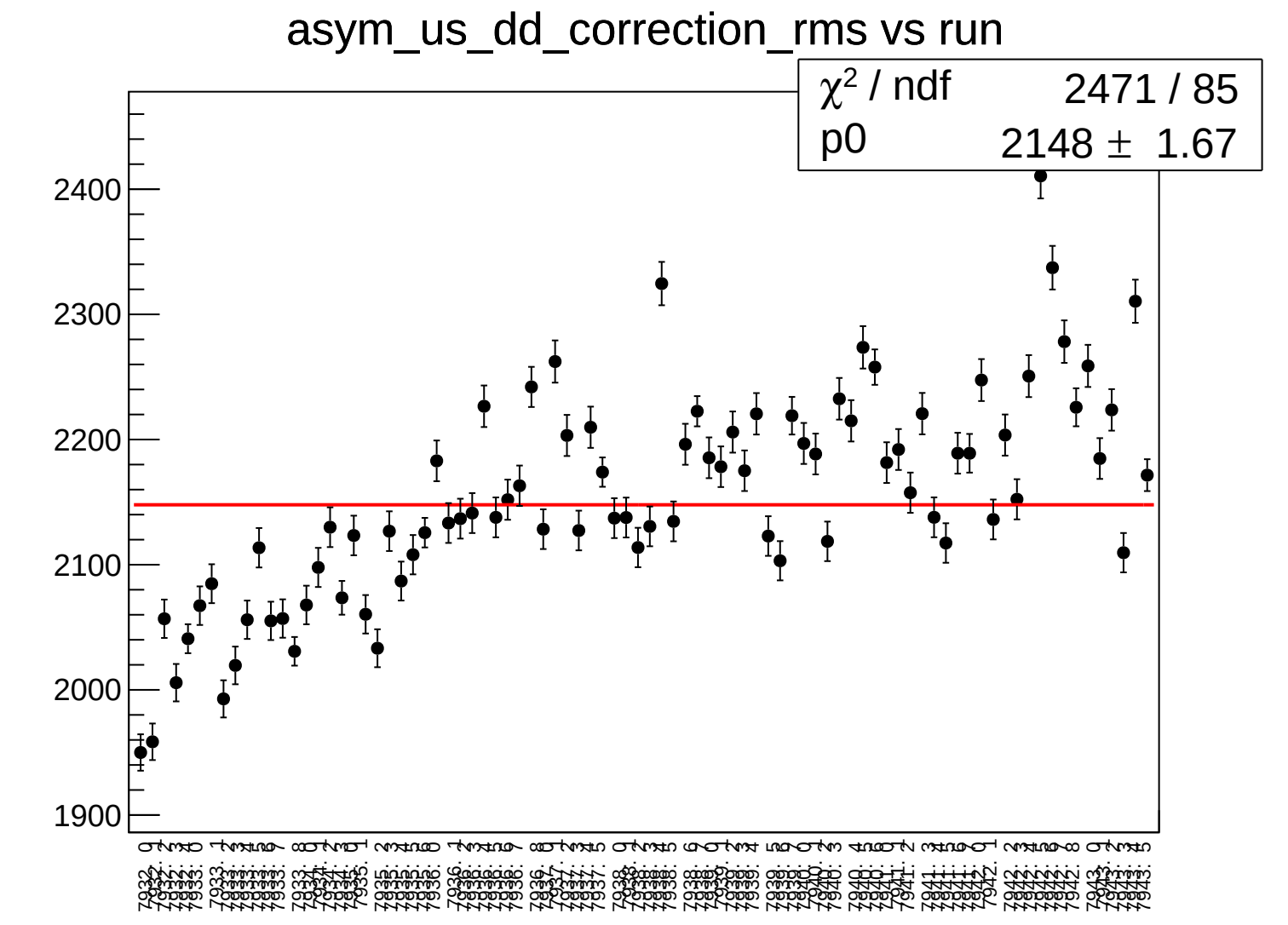

dit_asym_us_dd_mean vs run
χ² / ndf 80.47 / 85
p0 −25.09 ± 844.4
pull
Entries 86
Mean −180.8
Std Dev 225.6

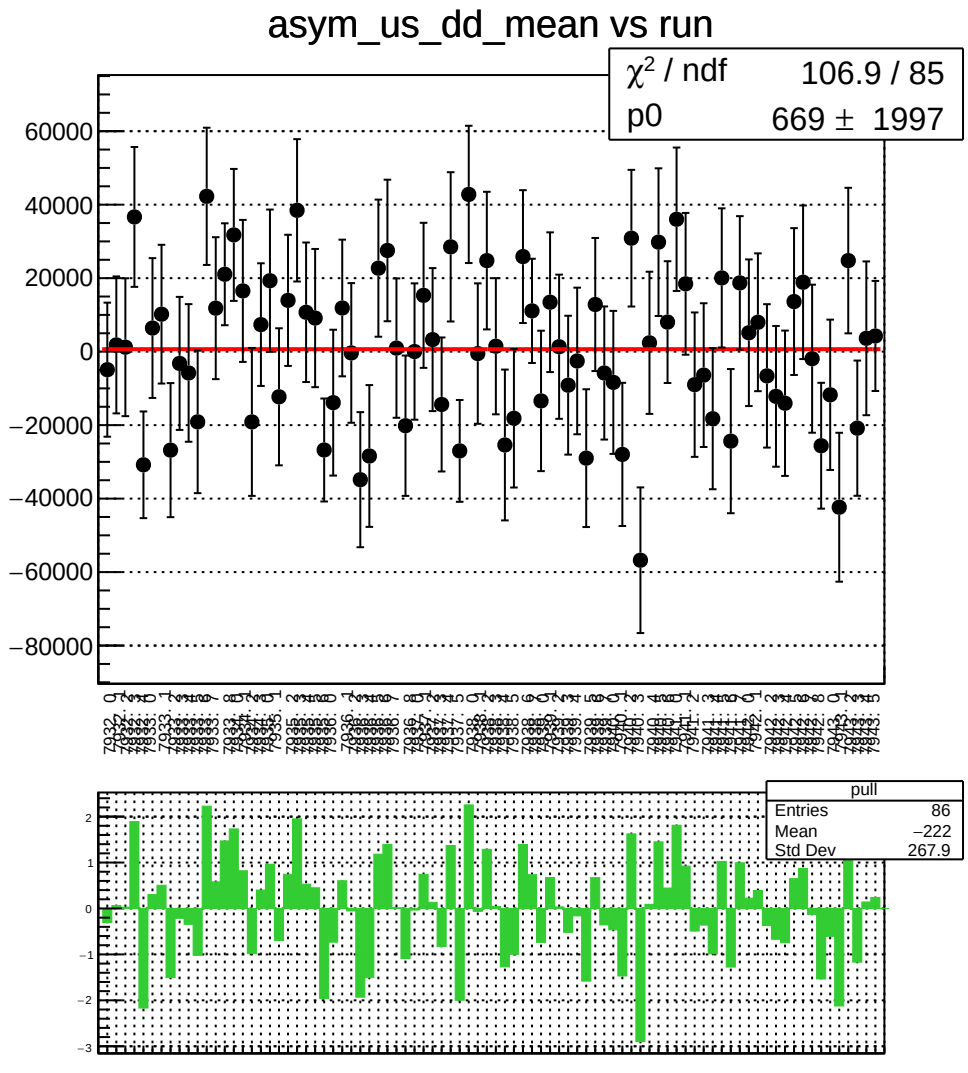

pull1D
Entries 86
Mean 0.019
Std Dev 0.9671

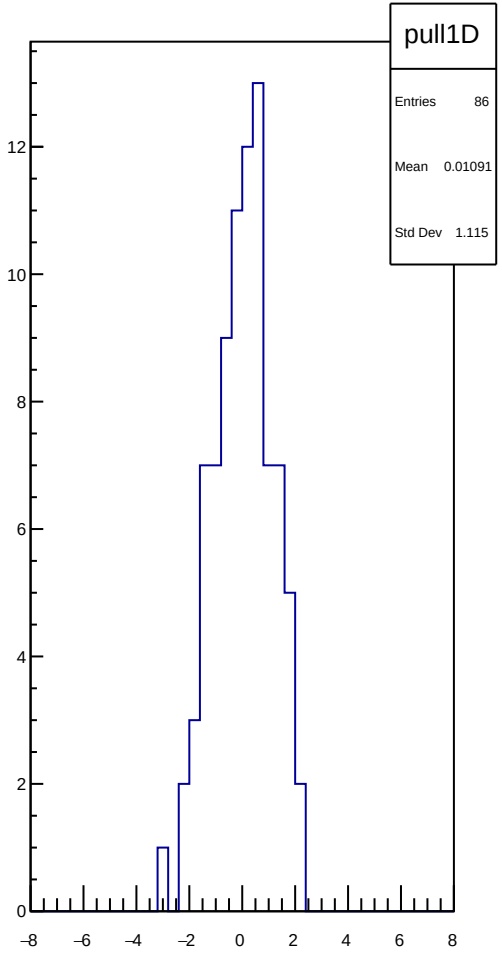

dit_asym_us_dd_rms vs run
χ² / ndf 103.6 / 85
p0 768.4 ± 0.5971
790
780
770
760
750
740

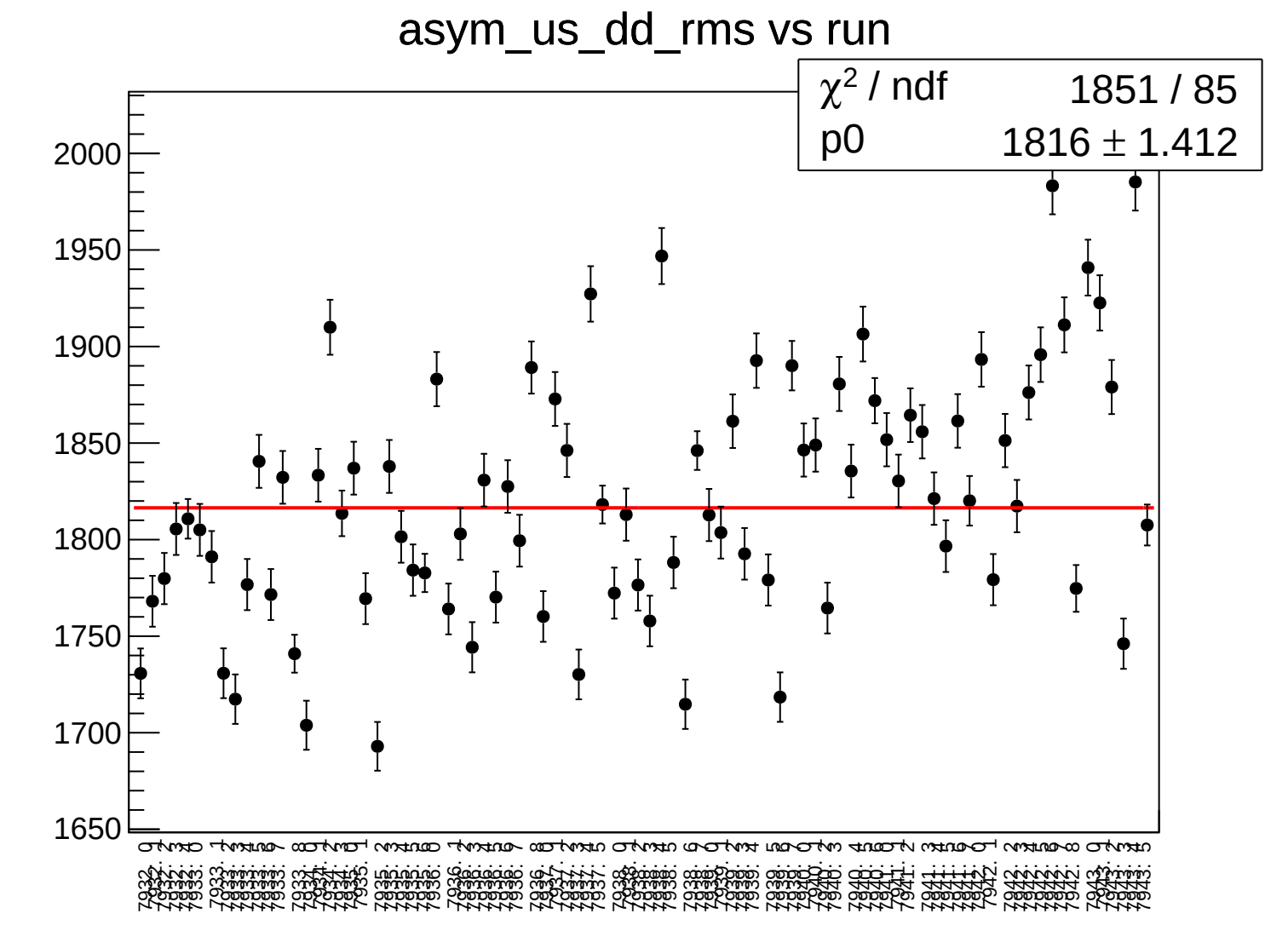

asym_us_dd_correction_mean vs run
χ^2 / ndf 112.4 / 85
p0 1147 ± 2362
pull
Entries 86
Mean −210
Std Dev 254.1

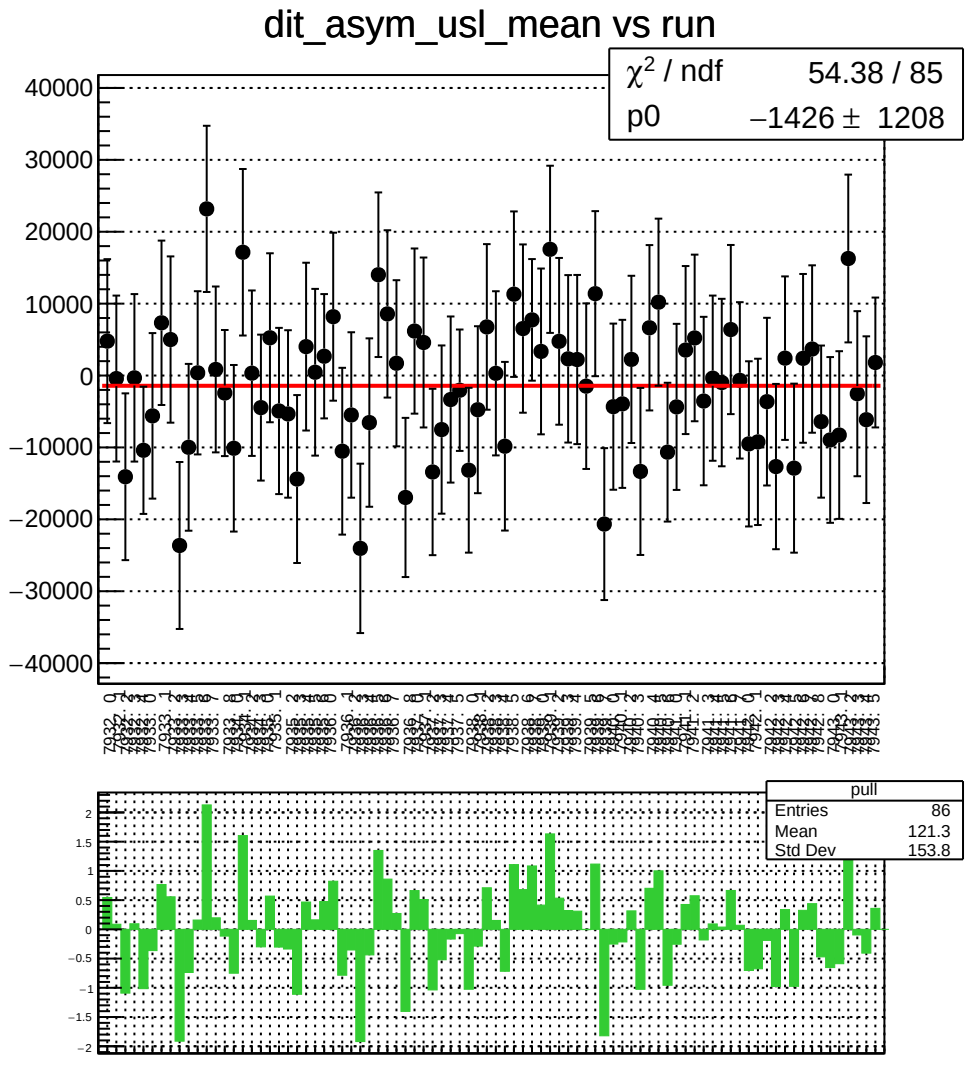

pull1D
Entries 86
Mean 0.01418
Std Dev 1.143

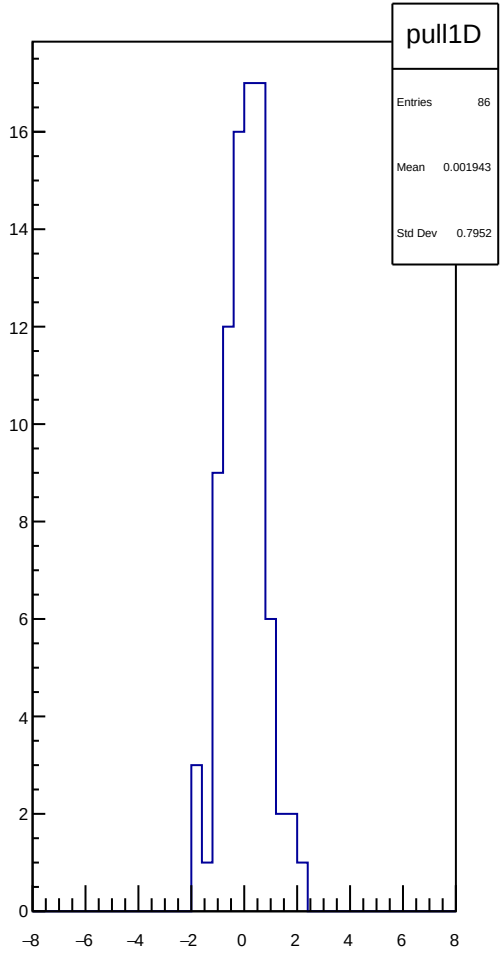

asym_us_dd_correction_rms vs run
χ² / ndf 2471 / 85
p0 2148 ± 1.67
2400
2300
2200
2100
2000
1900

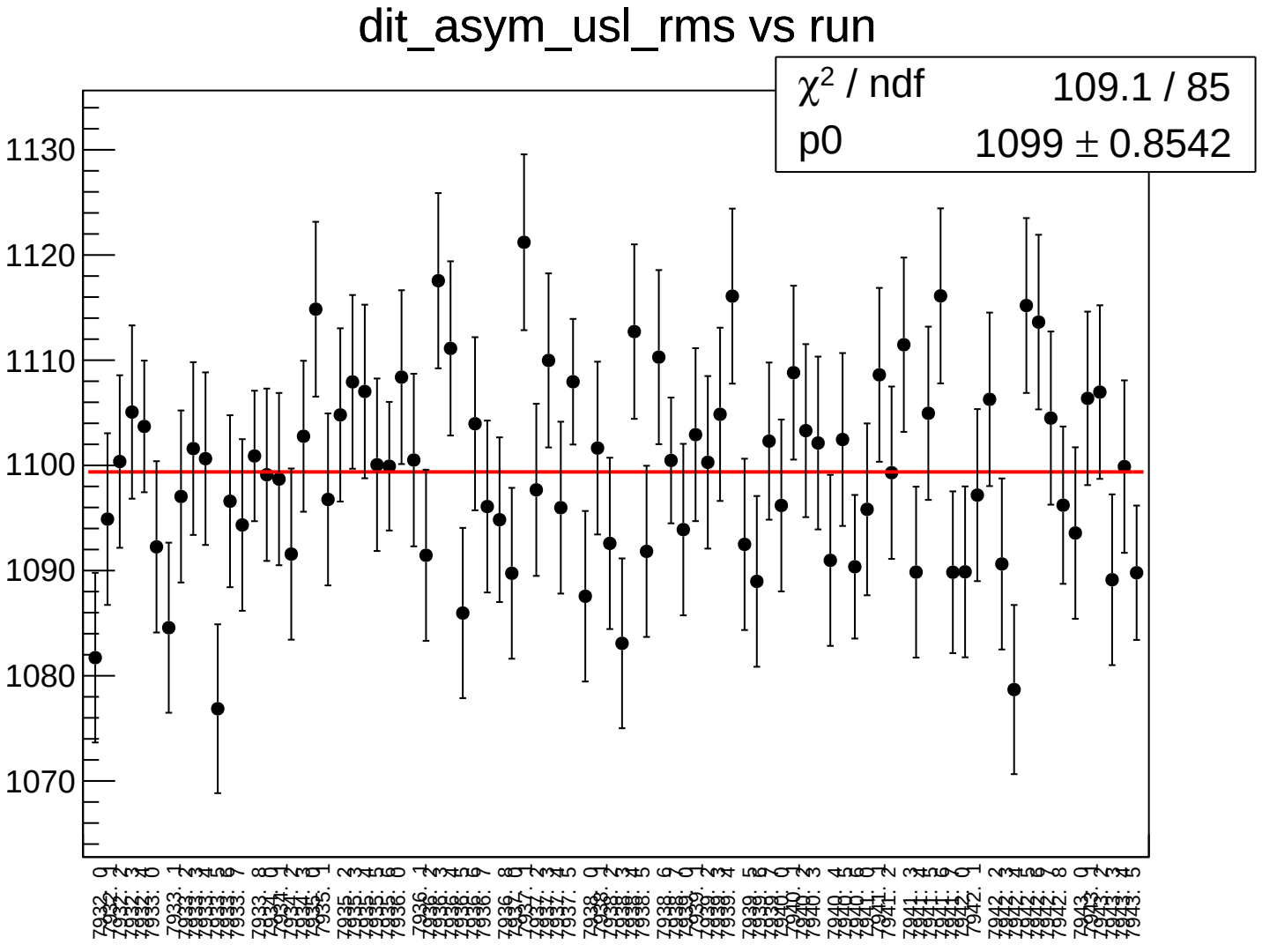

asym_us_dd_mean vs run
χ² / ndf 106.9 / 85
p0 669 ± 1997
pull
Entries 86
Mean −222
Std Dev 267.9

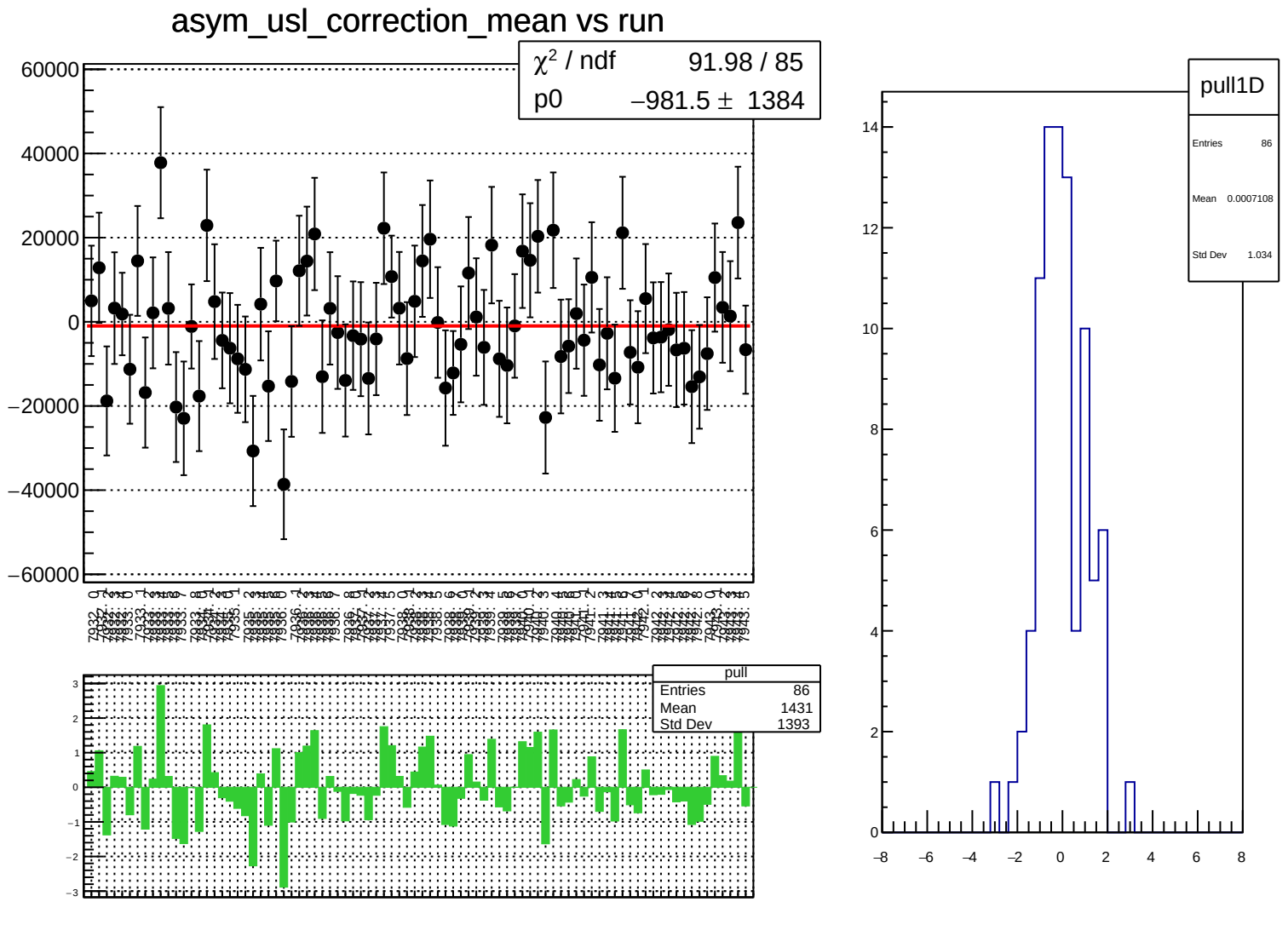

pull1D
Entries 86
Mean 0.01091
Std Dev 1.115

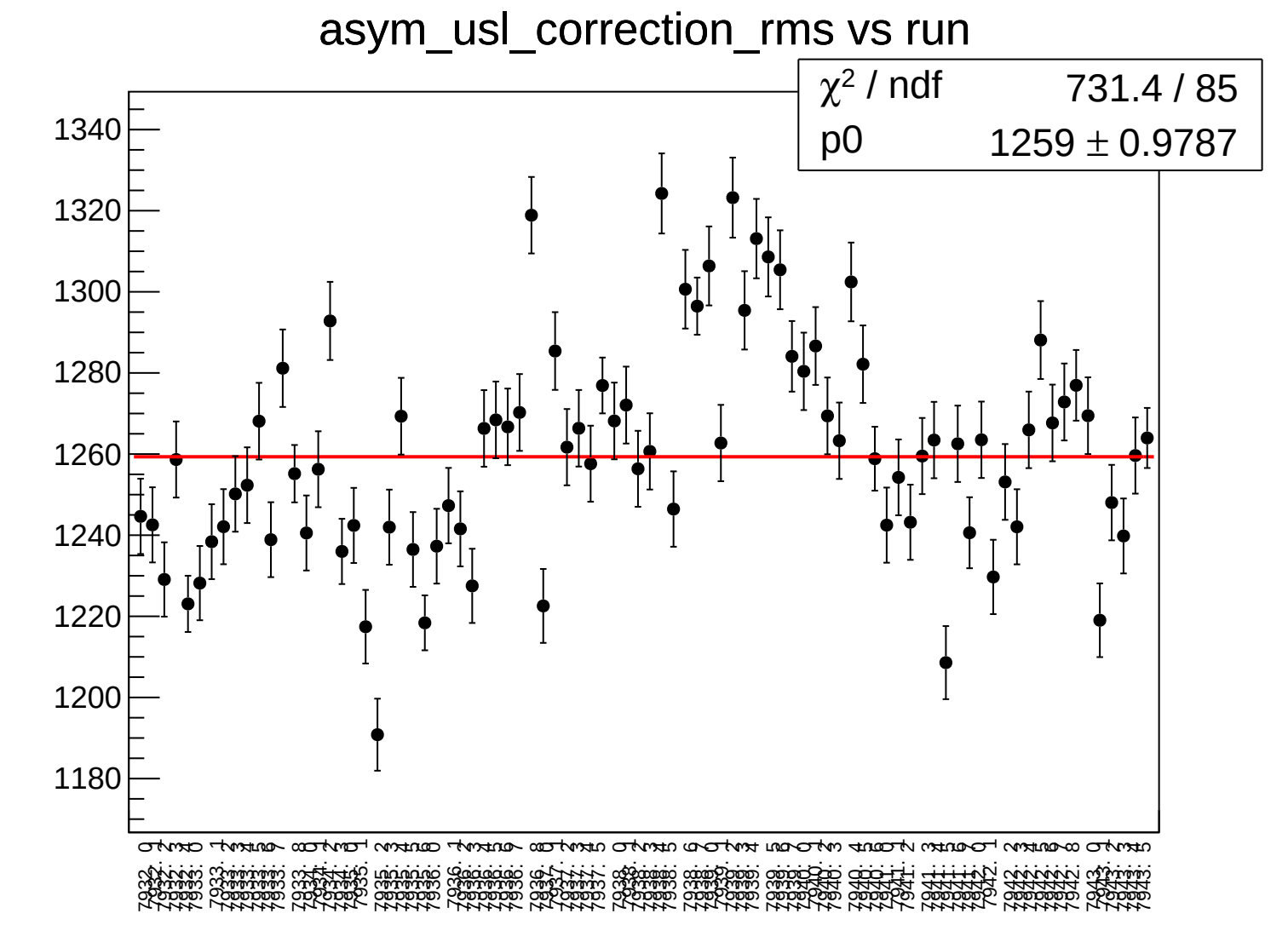

asym_us_dd_rms vs run
χ² / ndf 1851 / 85
p0 1816 ± 1.412
2000
1950
1900
1850
1800
1750
1700
1650

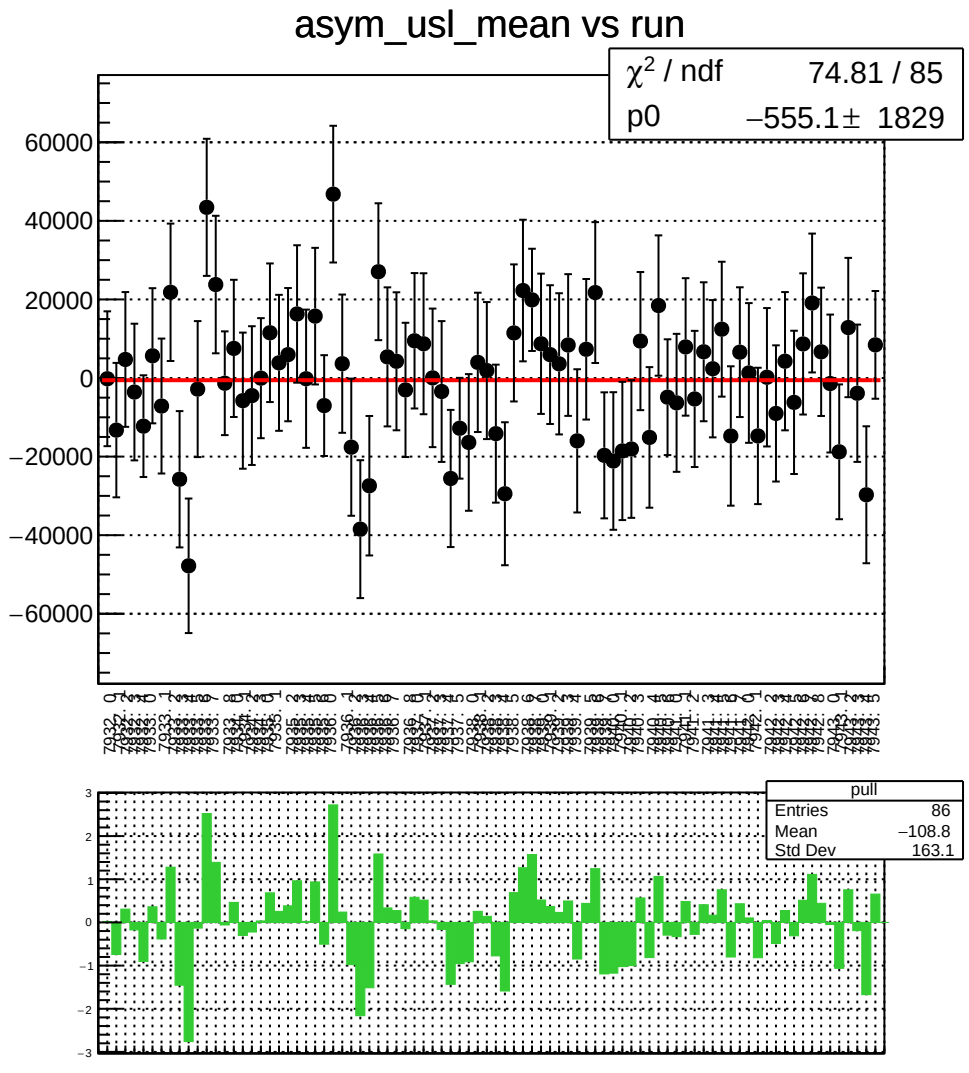

dit_asym_usl_mean vs run
χ² / ndf 54.38 / 85
p0 −1426 ± 1208
pull
Entries 86
Mean 121.3
Std Dev 153.8

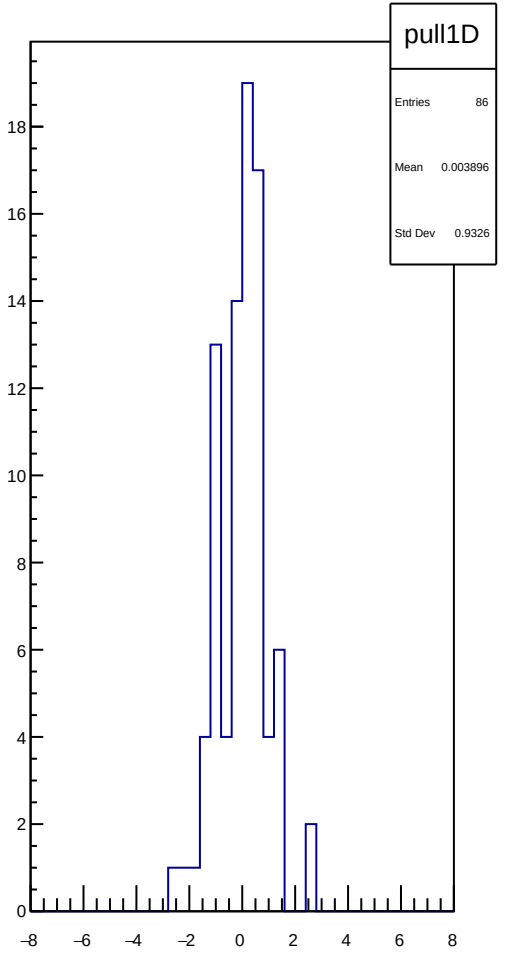

pull1D
Entries 86
Mean 0.001943
Std Dev 0.7952

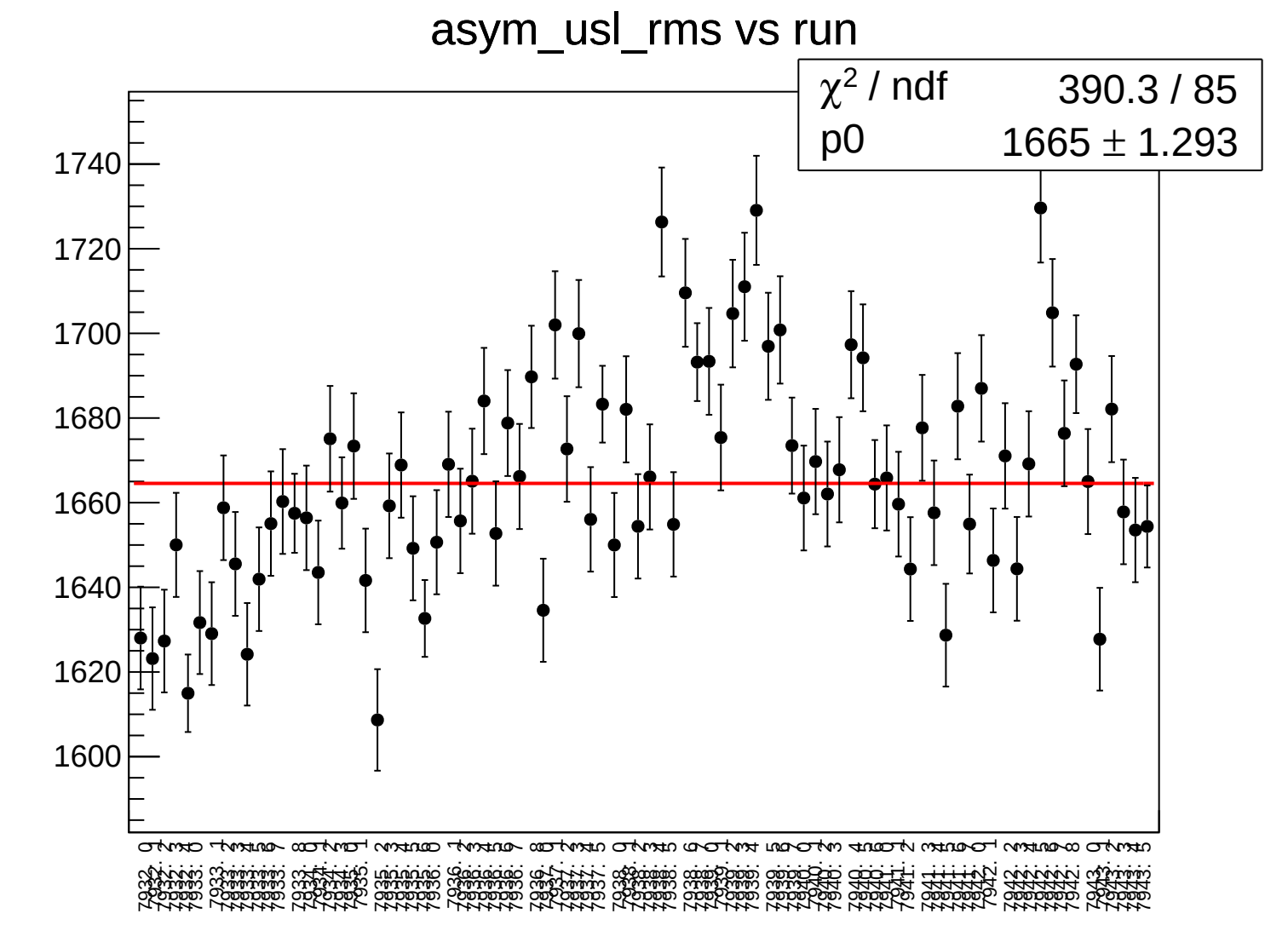

dit_asym_usl_rms vs run
χ² / ndf 109.1 / 85
p0 1099 ± 0.8542
1130
1120
1110
1100
1090
1080
1070

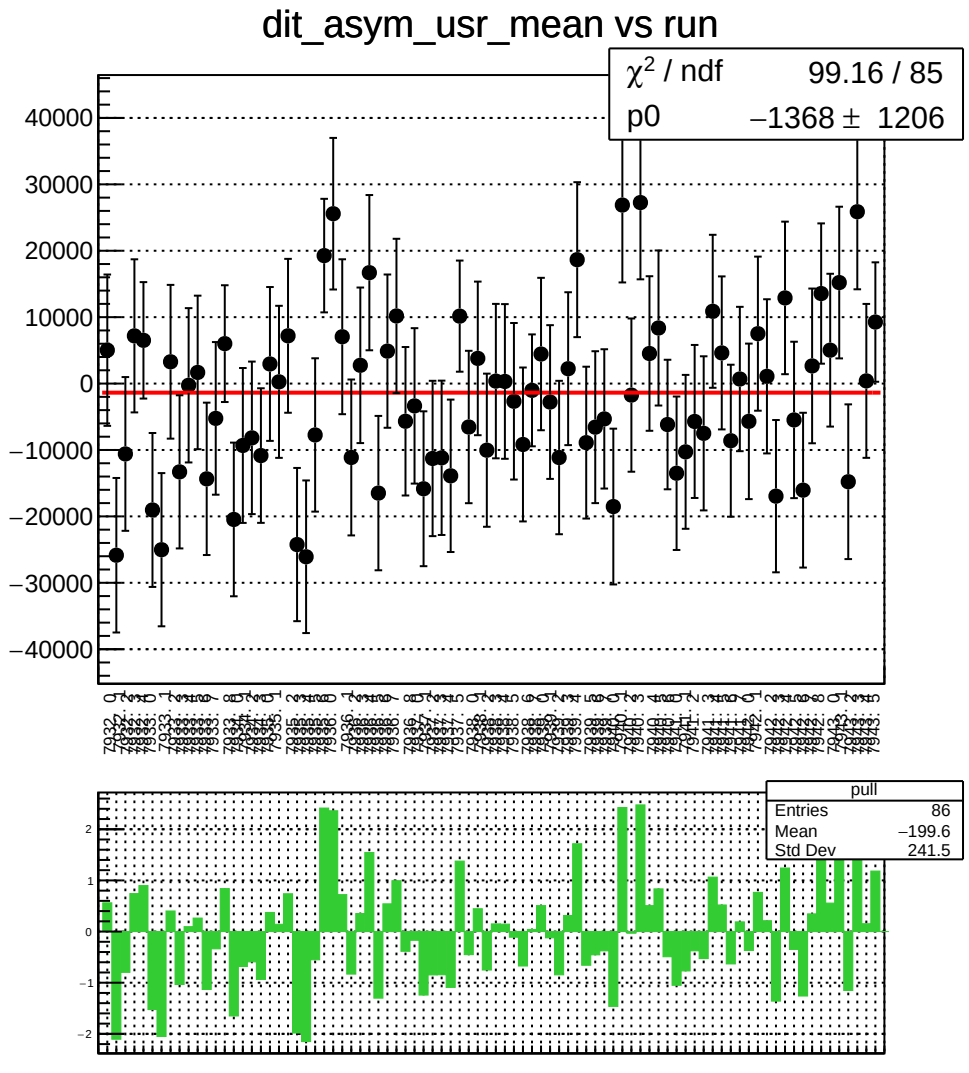

asym_usl_correction_mean vs run
χ² / ndf 91.98 / 85
p0 −981.5 ± 1384
pull
Entries 86
Mean 1431
Std Dev 1393
pull1D
Entries 86
Mean 0.0007108
Std Dev 1.034

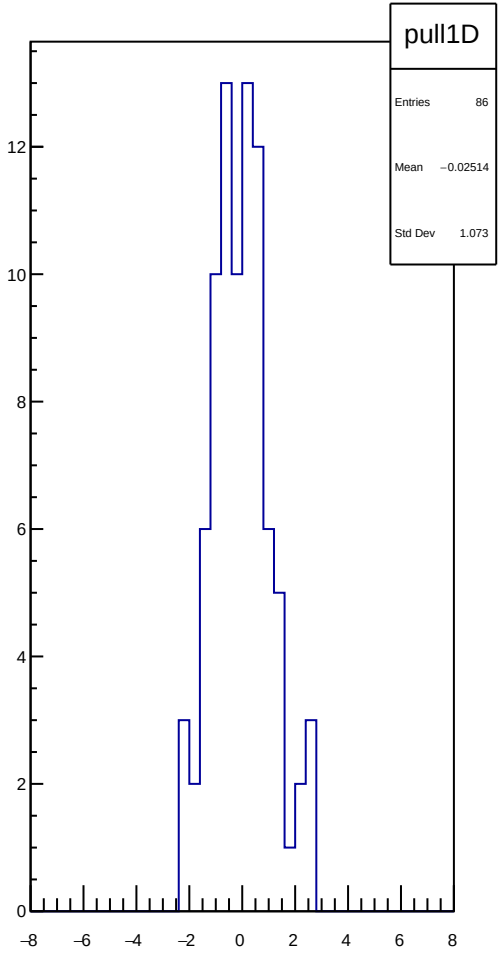

asym_usl_correction_rms vs run
χ² / ndf 731.4 / 85
p0 1259 ± 0.9787
1340
1320
1300
1280
1260
1240
1220
1200
1180

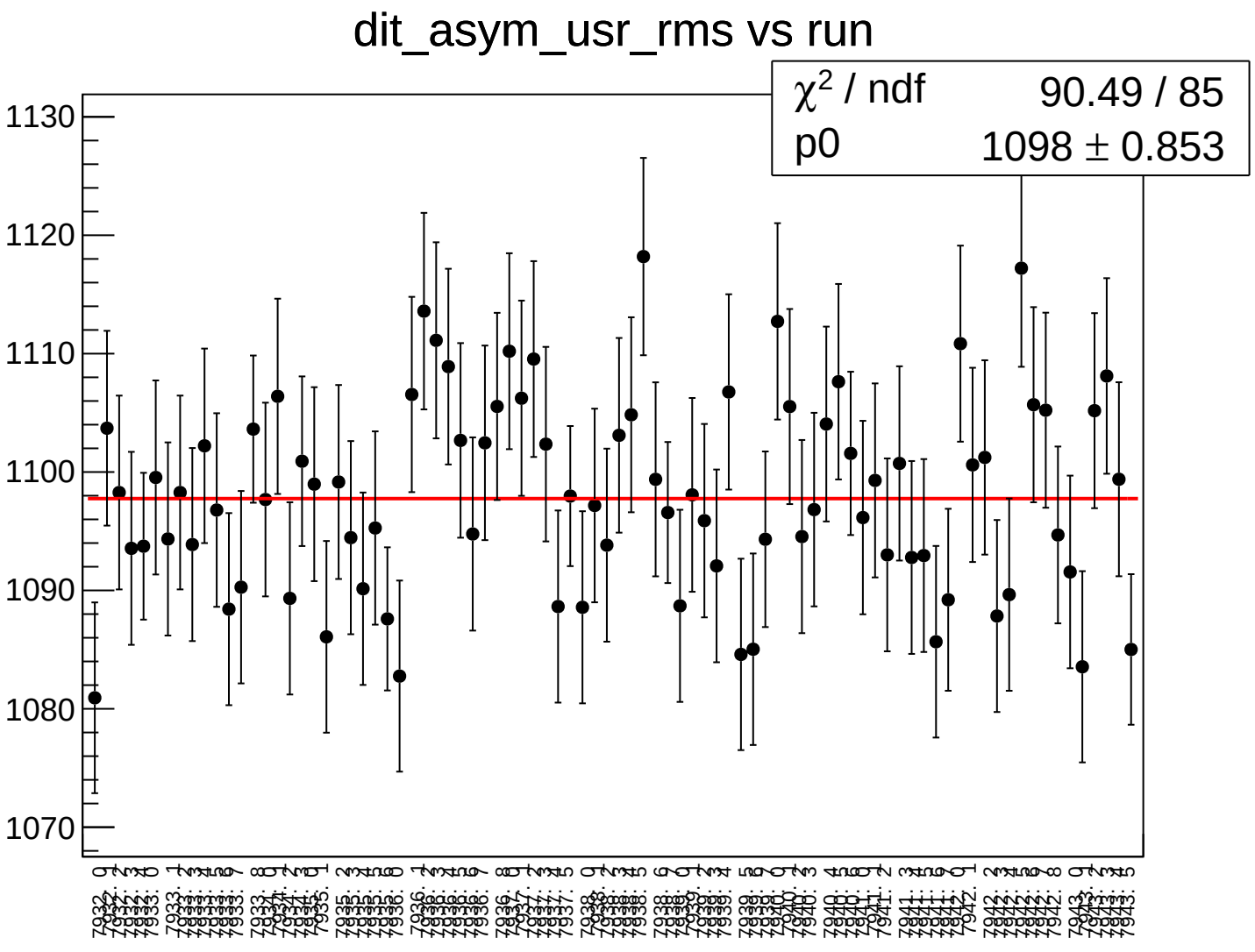

asym_usl_mean vs run
χ² / ndf 74.81 / 85
p0 −555.1± 1829
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −108.8
Std Dev 163.1
3
2
1
0
−1
−2
−3

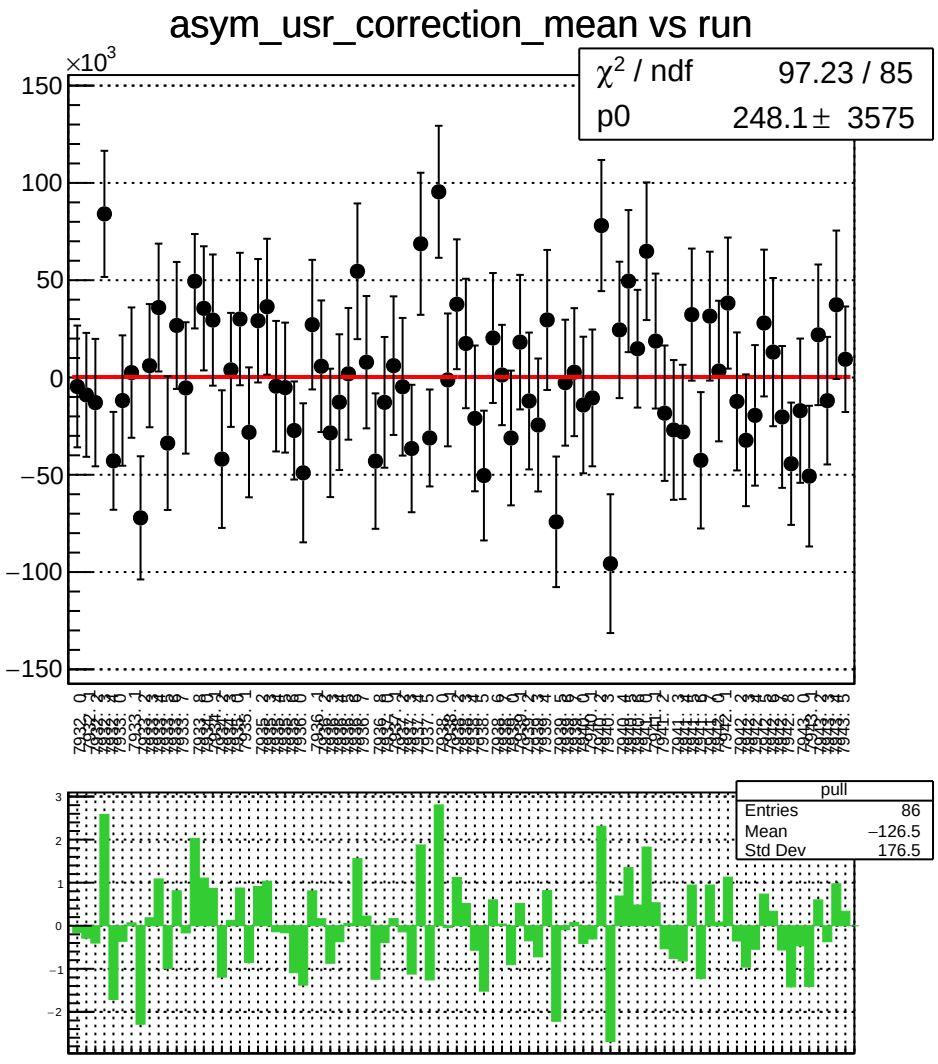

pull1D
Entries 86
Mean 0.003896
Std Dev 0.9326
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

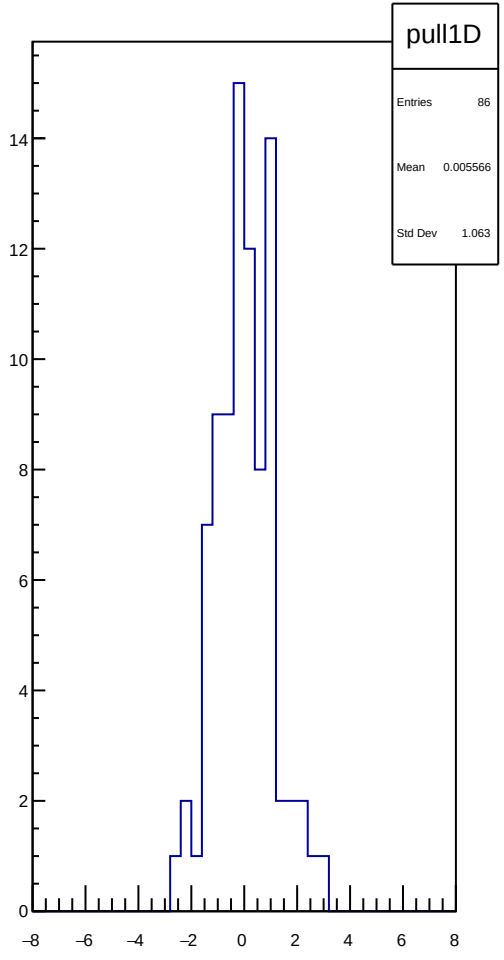

asym_usl_rms vs run
χ² / ndf 390.3 / 85
p0 1665 ± 1.293
1740
1720
1700
1680
1660
1640
1620
1600

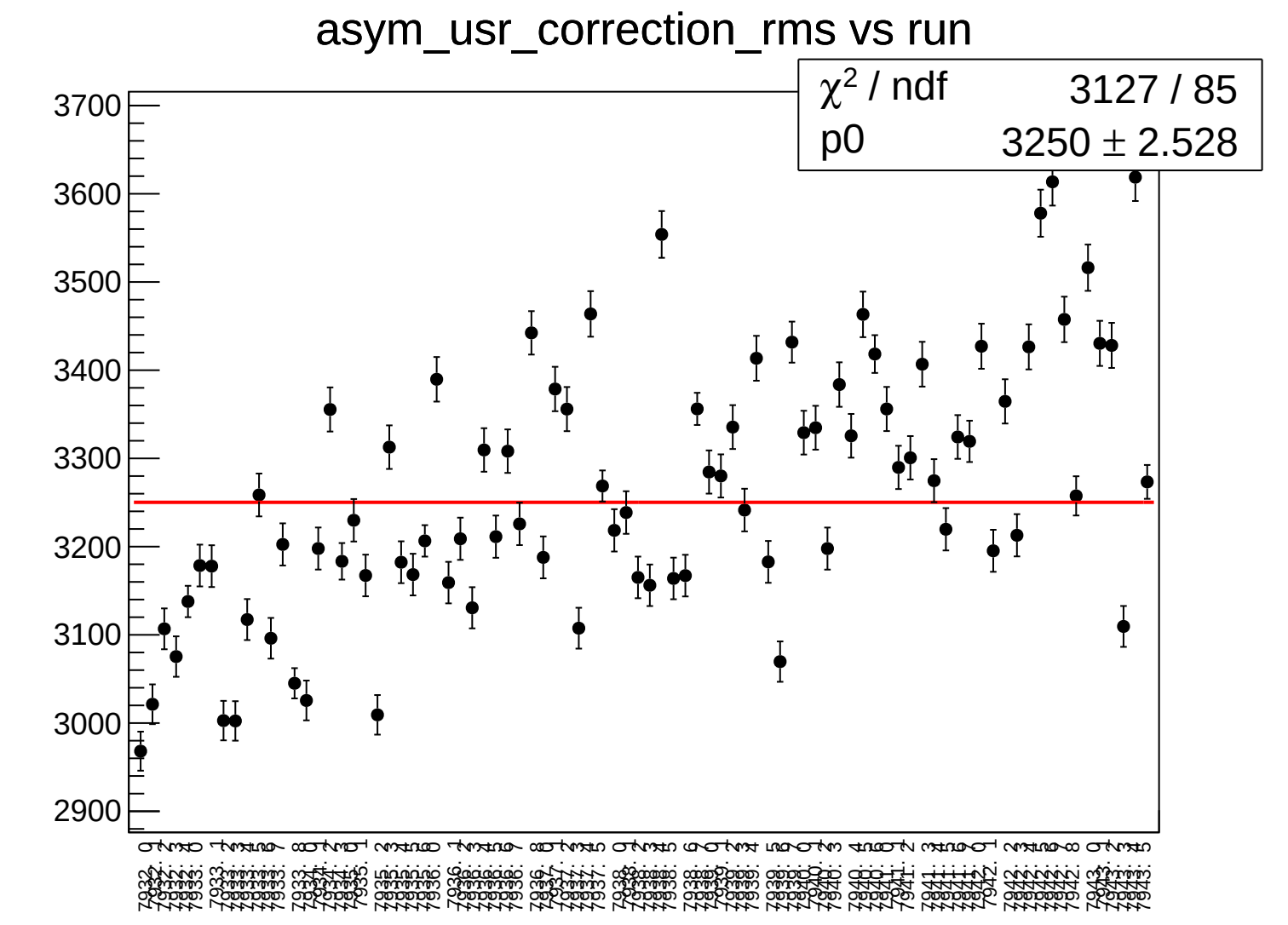

dit_asym_usr_mean vs run
χ² / ndf 99.16 / 85
p0 −1368 ± 1206
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean −199.6
Std Dev 241.5
2
1
0
−1
−2

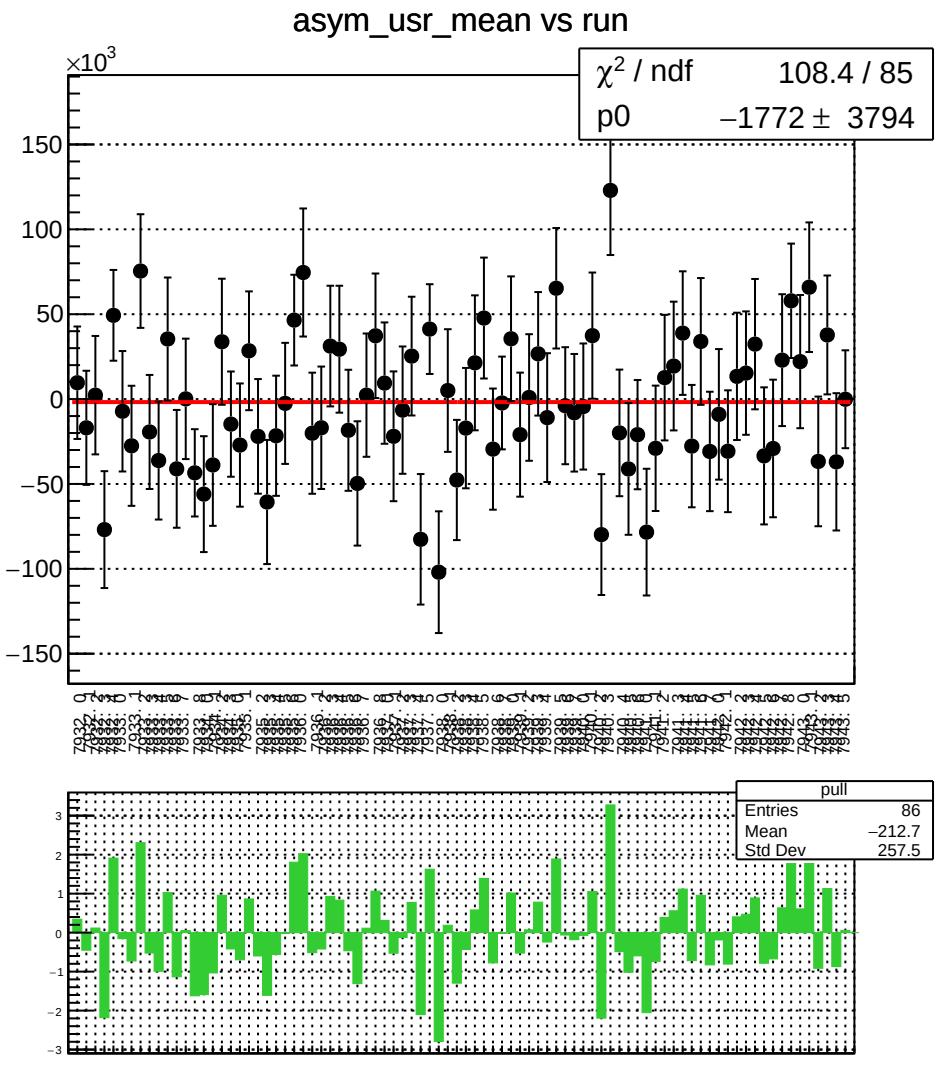

pull1D
Entries 86
Mean −0.02514
Std Dev 1.073
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

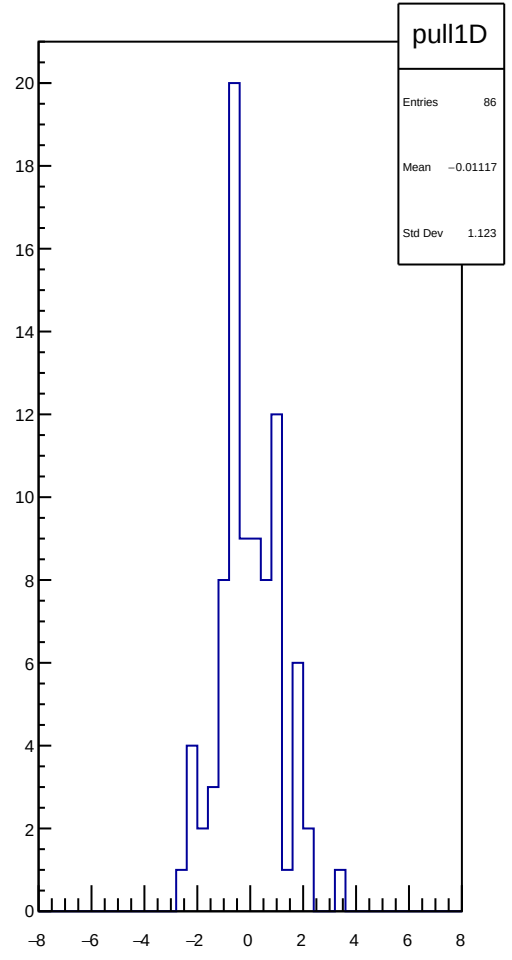

dit_asym_usr_rms vs run
χ^2 / ndf 90.49 / 85
p0 1098 ± 0.853
1130
1120
1110
1100
1090
1080
1070

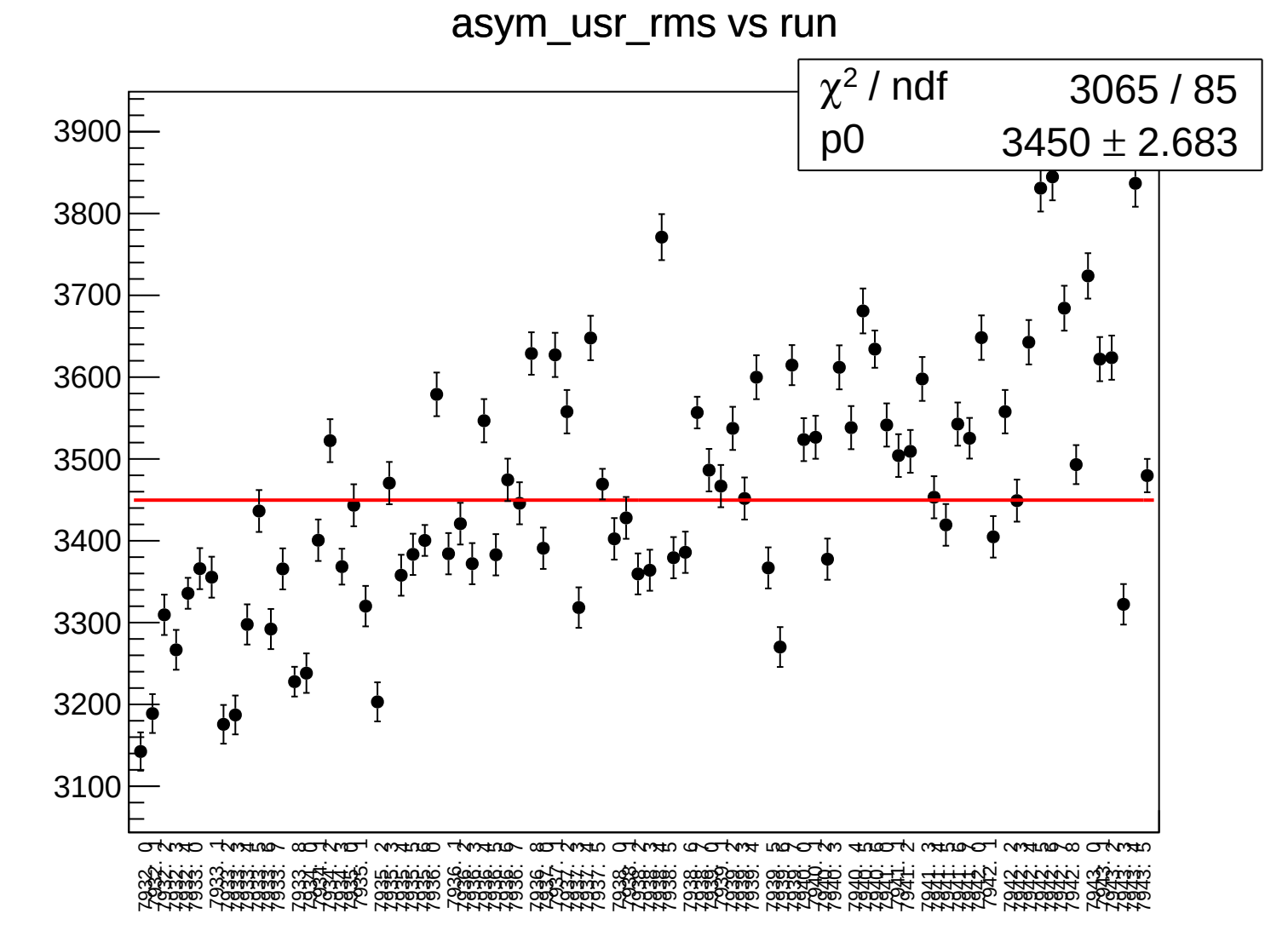

asym_usr_correction_mean vs run
×10^3
χ² / ndf 97.23 / 85
p0 248.1 ± 3575
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean −126.5
Std Dev 176.5
3
2
1
0
−1
−2

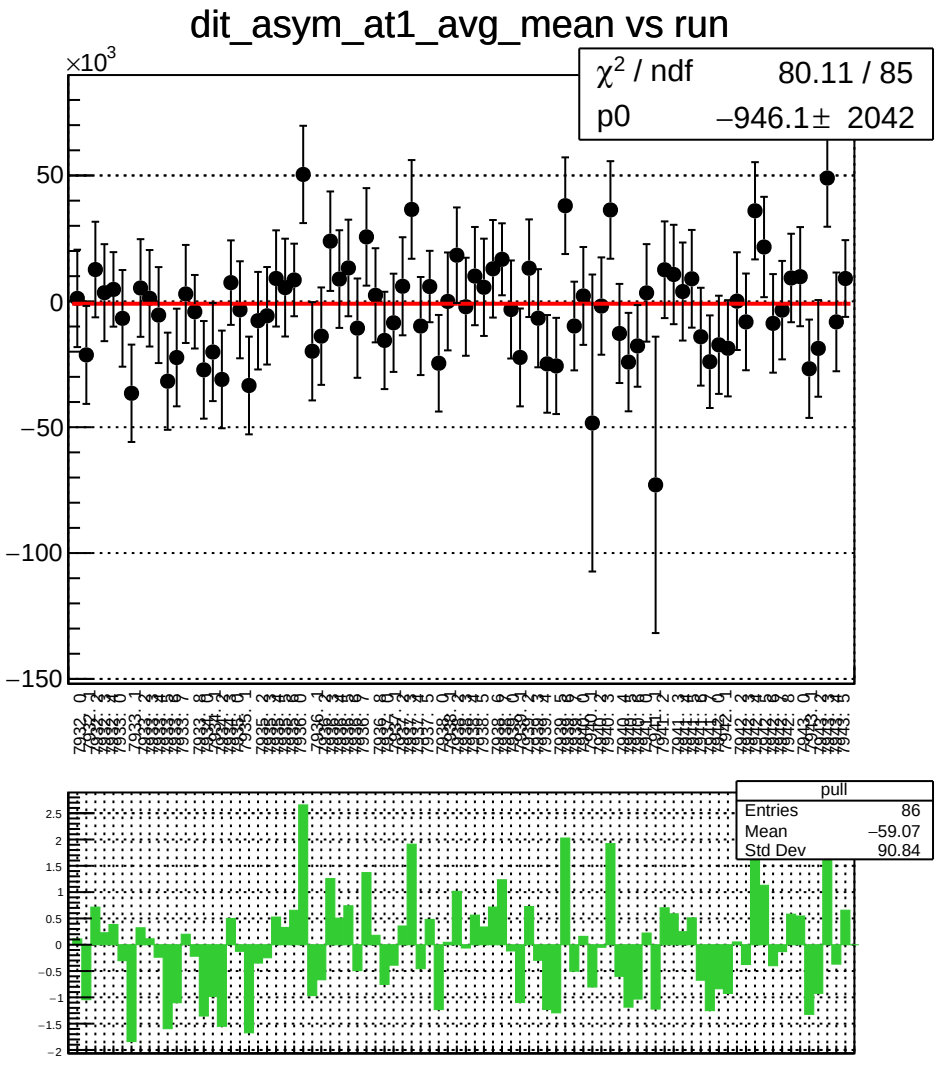

pull1D
Entries 86
Mean 0.005566
Std Dev 1.063
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

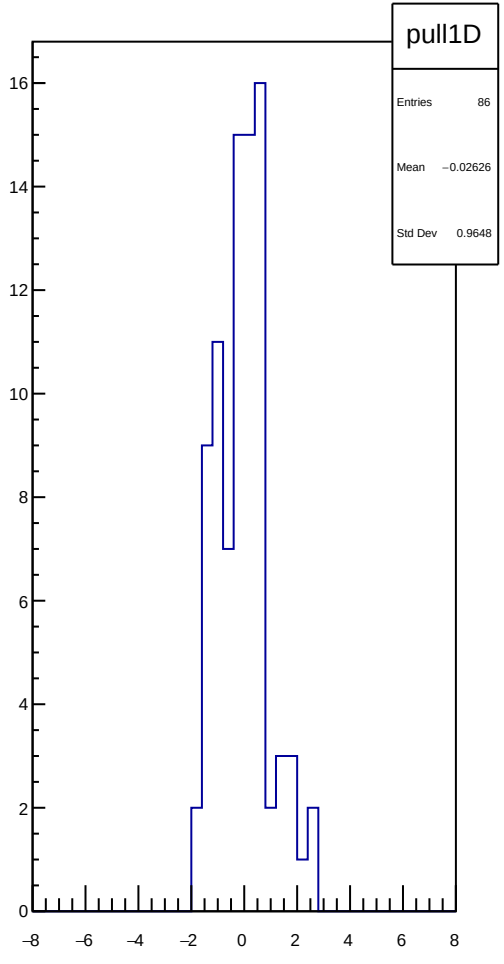

asym_usr_correction_rms vs run
χ² / ndf 3127 / 85
p0 3250 ± 2.528
3700
3600
3500
3400
3300
3200
3100
3000
2900

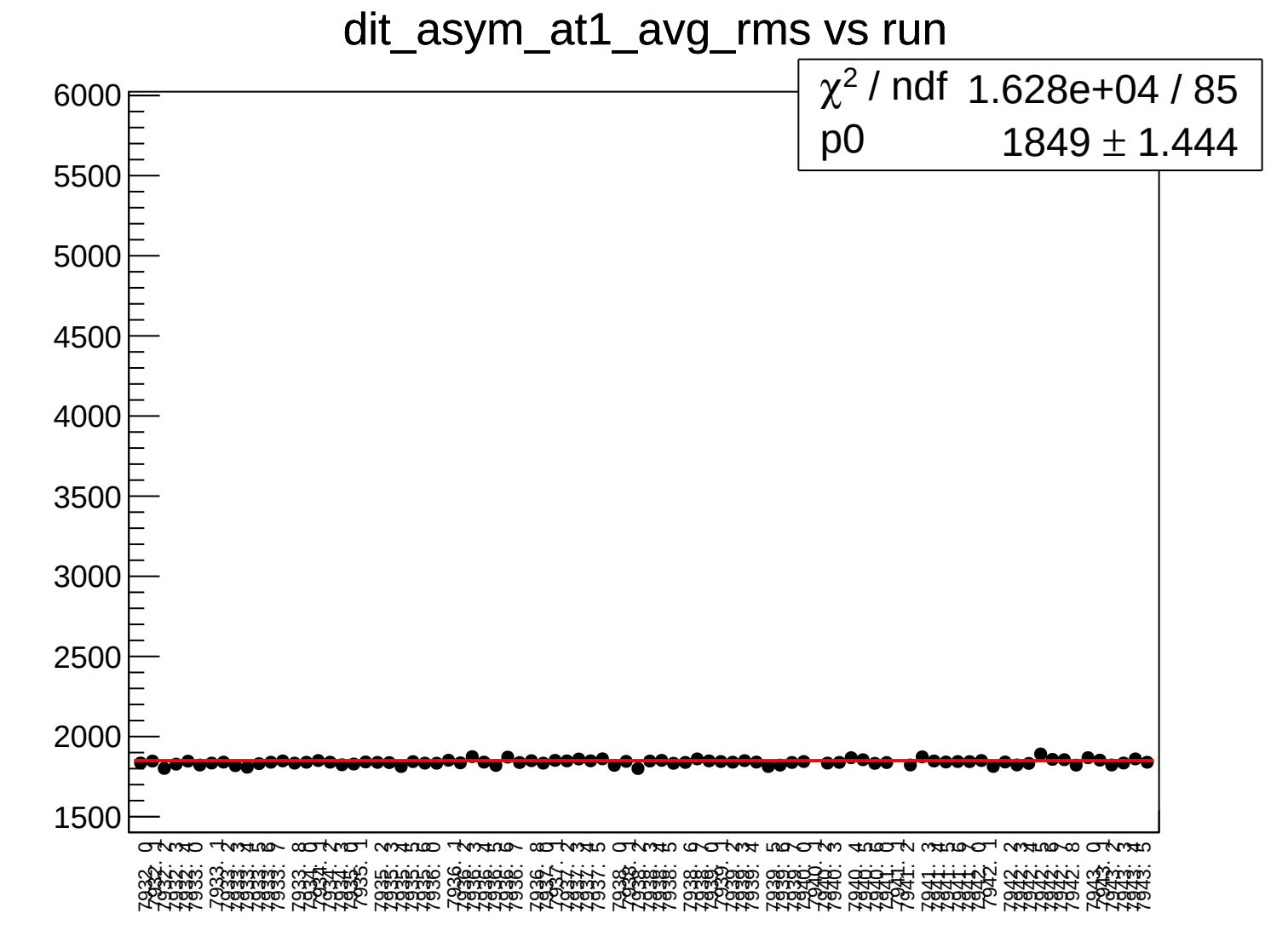

asym_usr_mean vs run
×10^3
χ² / ndf 108.4 / 85
p0 −1772 ± 3794
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean −212.7
Std Dev 257.5
3
2
1
0
−1
−2
−3

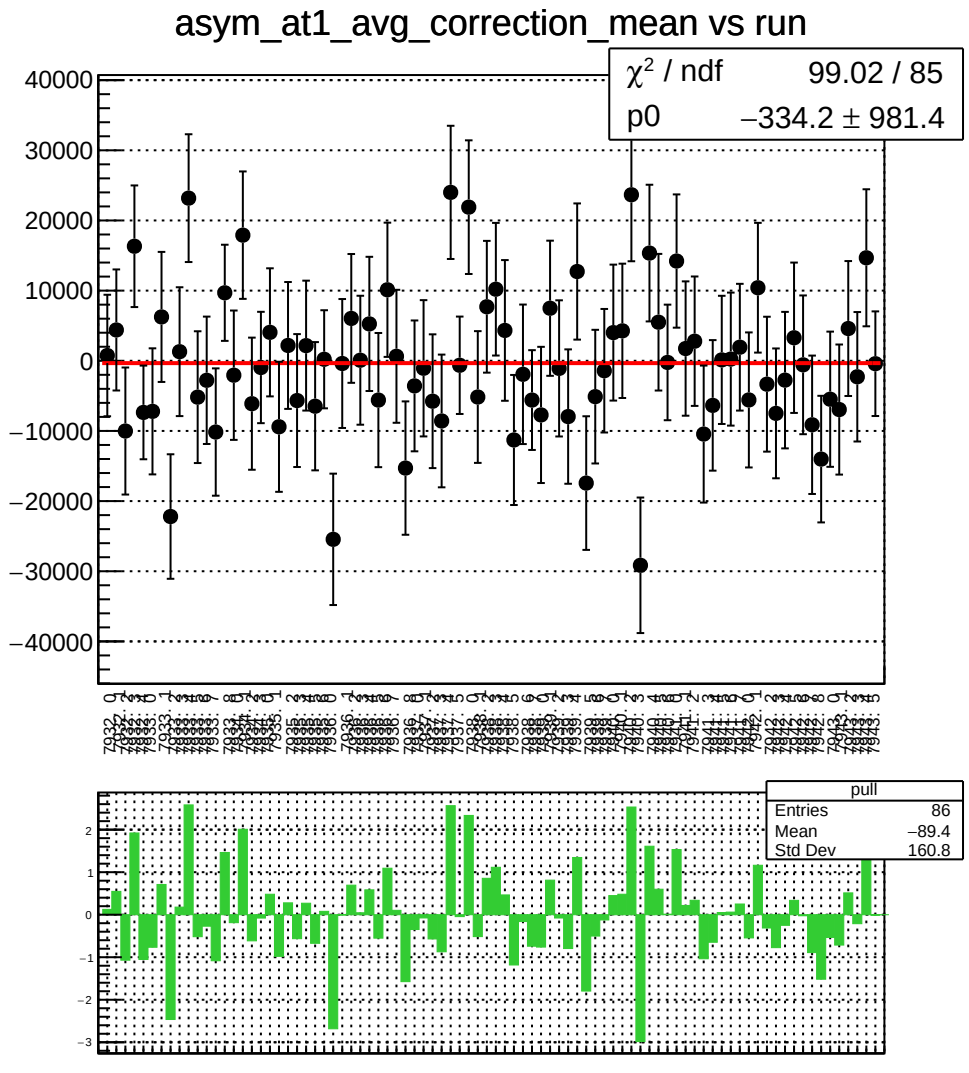

pull1D
Entries 86
Mean −0.01117
Std Dev 1.123
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

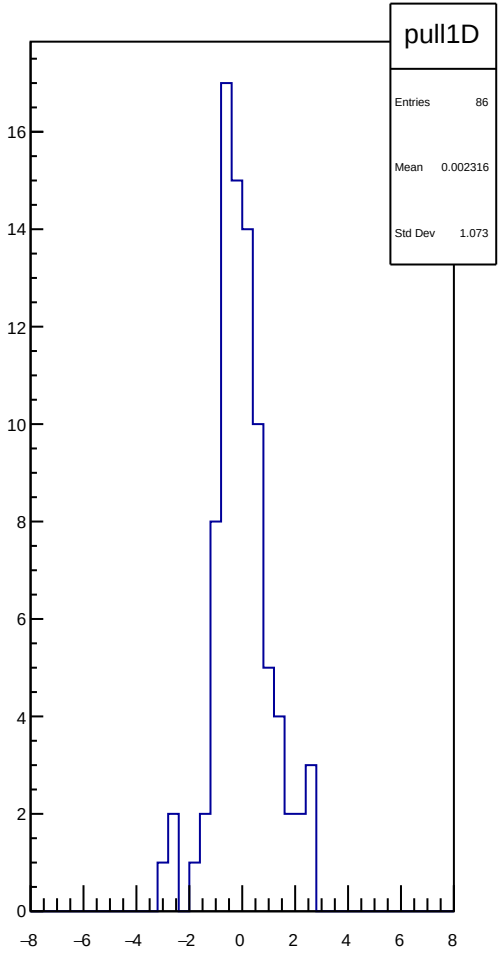

asym_usr_rms vs run
χ² / ndf 3065 / 85
p0 3450 ± 2.683
3900
3800
3700
3600
3500
3400
3300
3200
3100

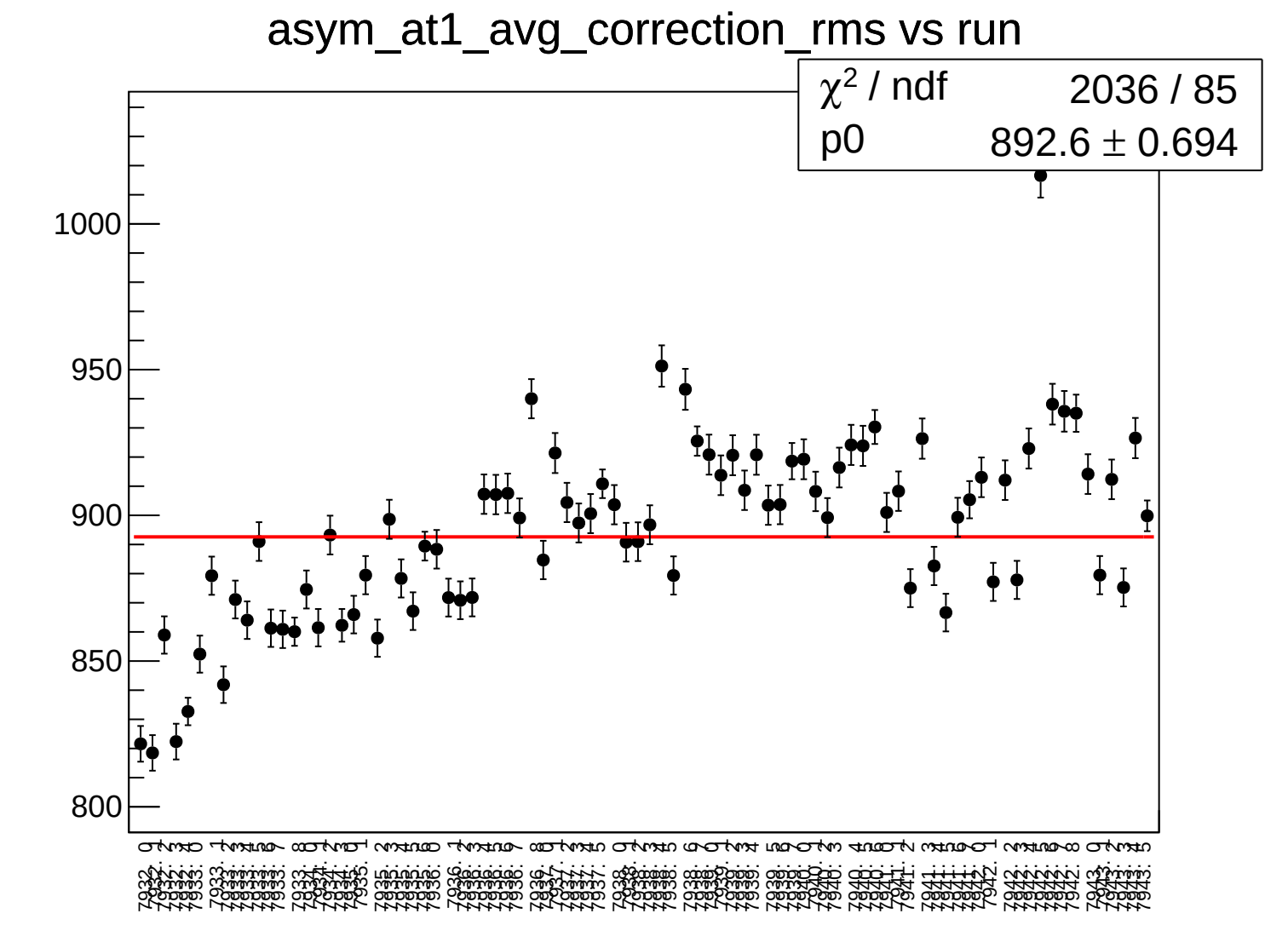

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 80.11 / 85
p0 −946.1± 2042
50
0
−50
−100
−150
pull
Entries 86
Mean −59.07
Std Dev 90.84
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

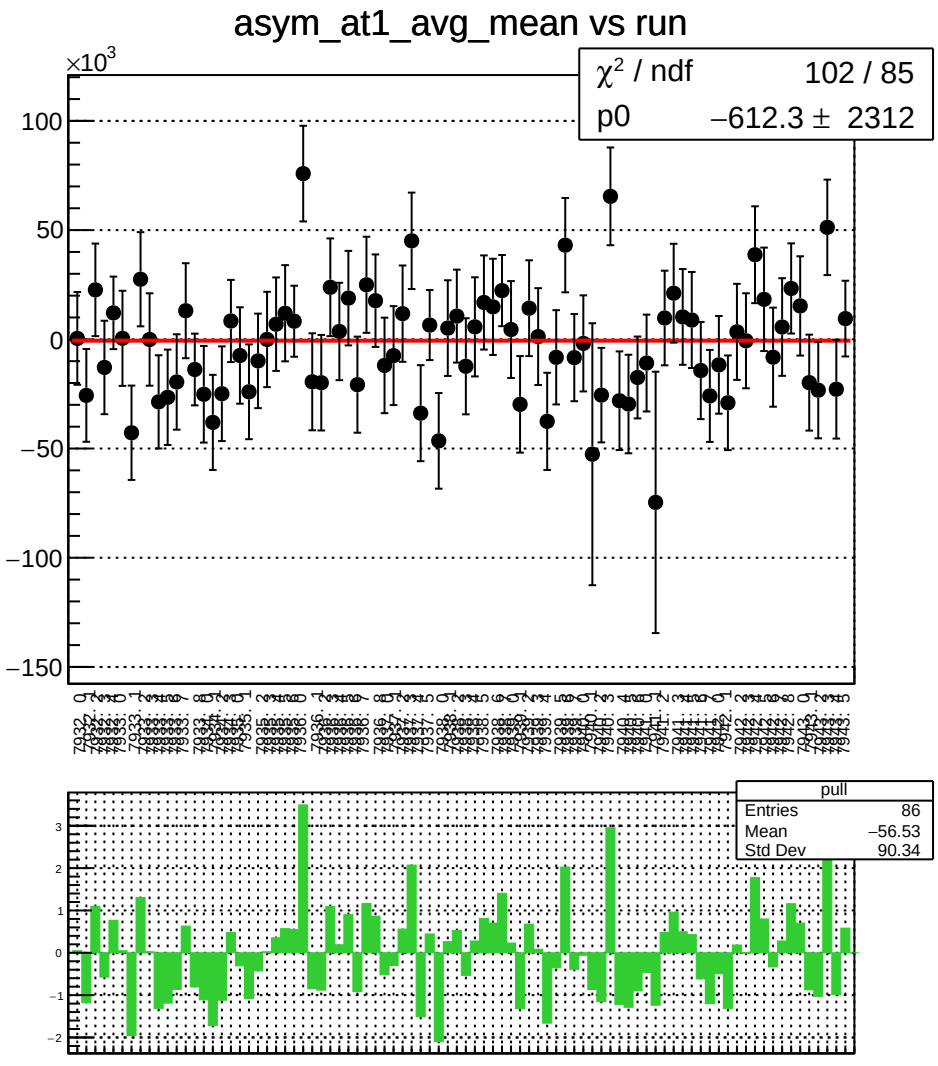

pull1D
Entries 86
Mean −0.02626
Std Dev 0.9648
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

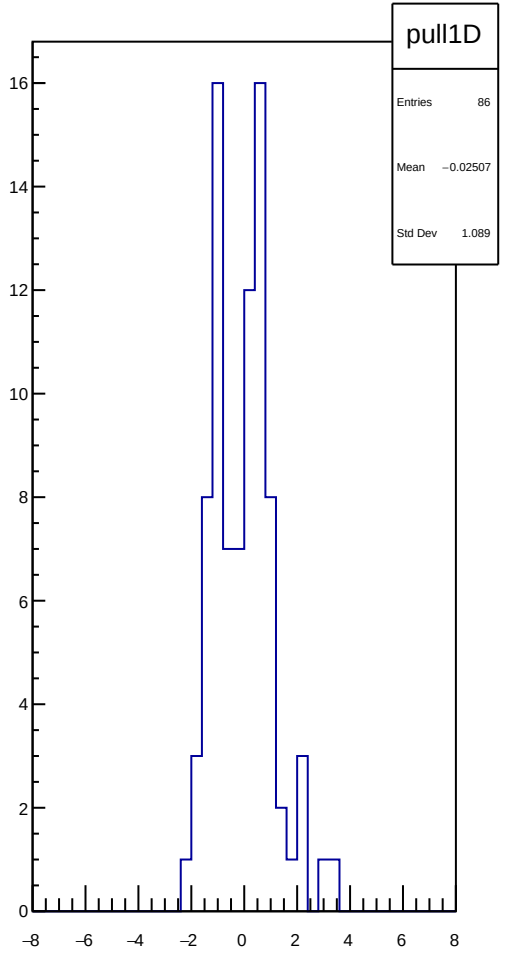

dit_asym_at1_avg_rms vs run
χ² / ndf 1.628e+04 / 85
p0 1849 ± 1.444
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

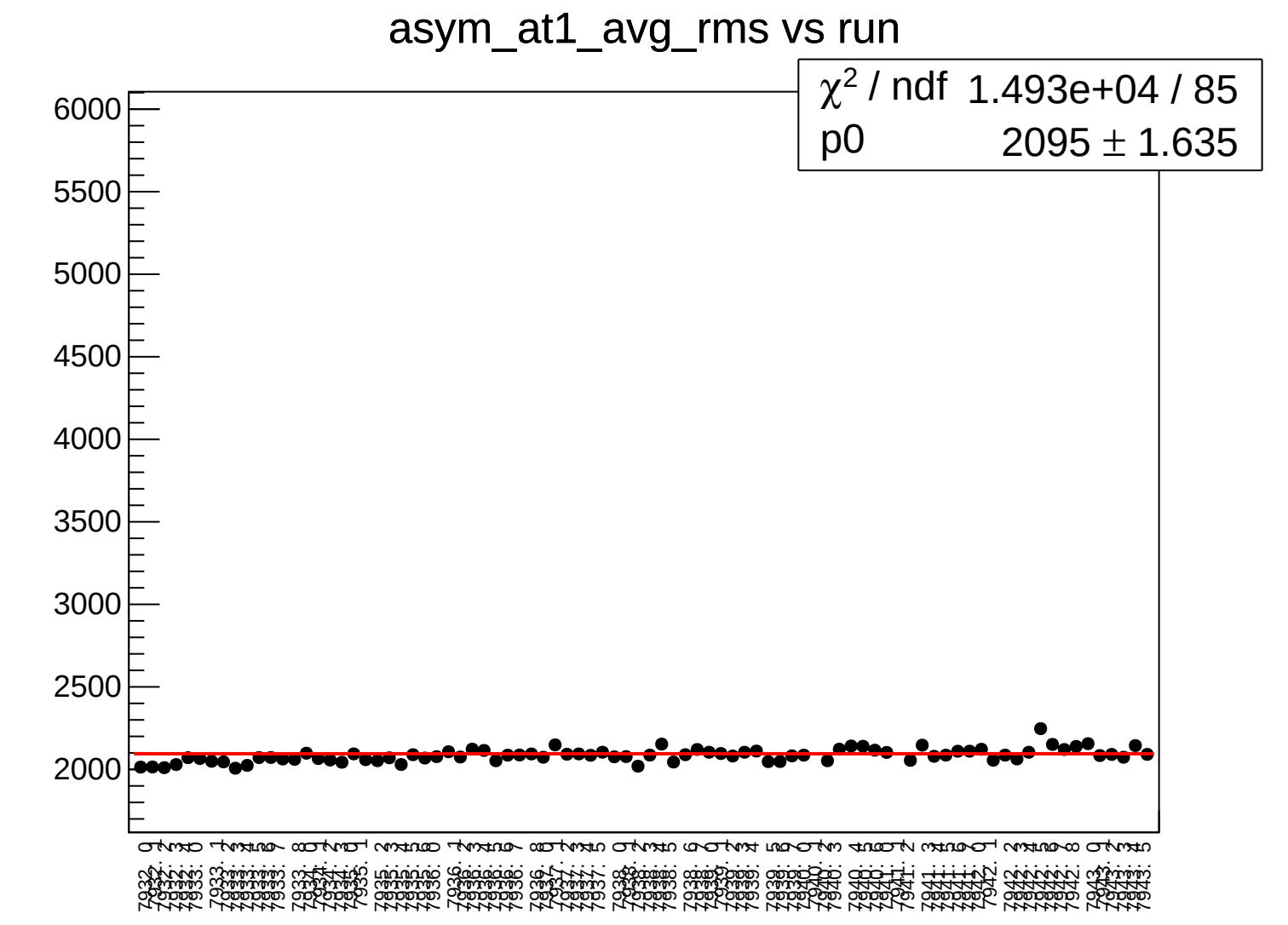

asym_at1_avg_correction_mean vs run
χ² / ndf 99.02 / 85
p0 −334.2 ± 981.4
pull
Entries 86
Mean −89.4
Std Dev 160.8

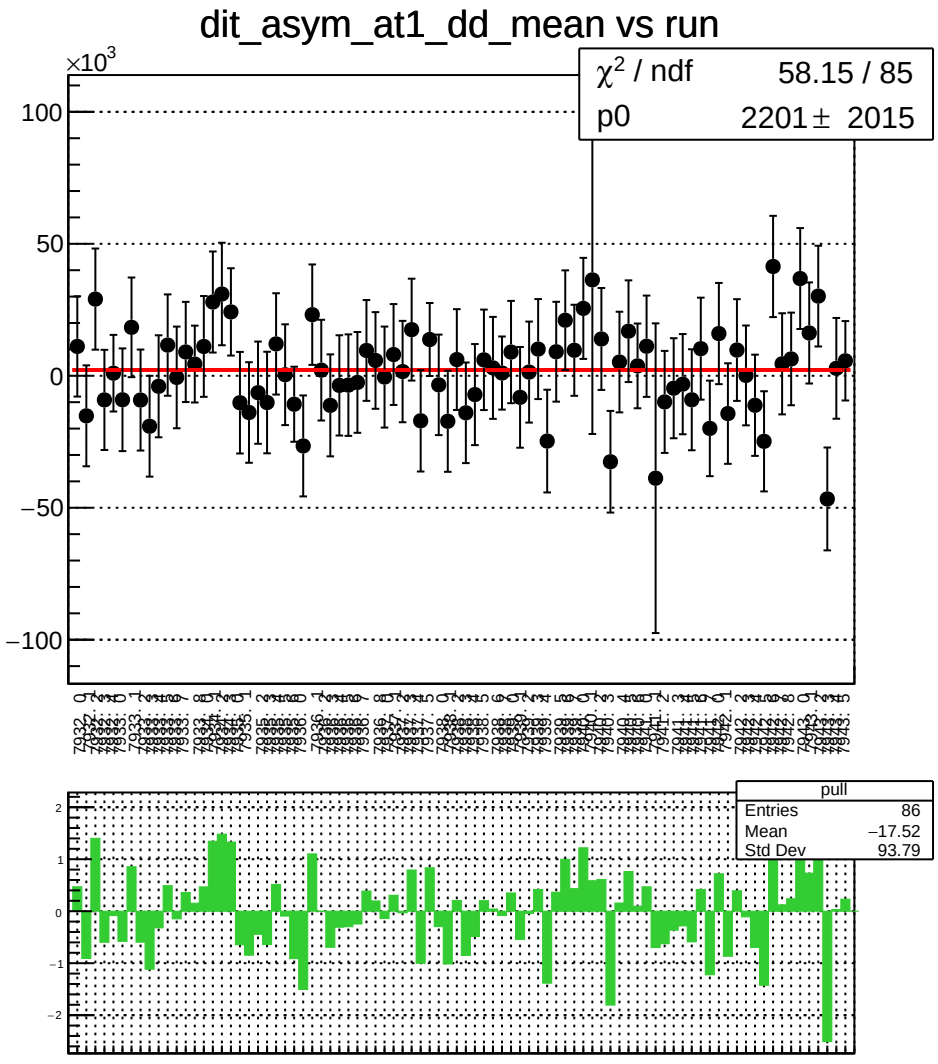

pull1D
Entries 86
Mean 0.002316
Std Dev 1.073

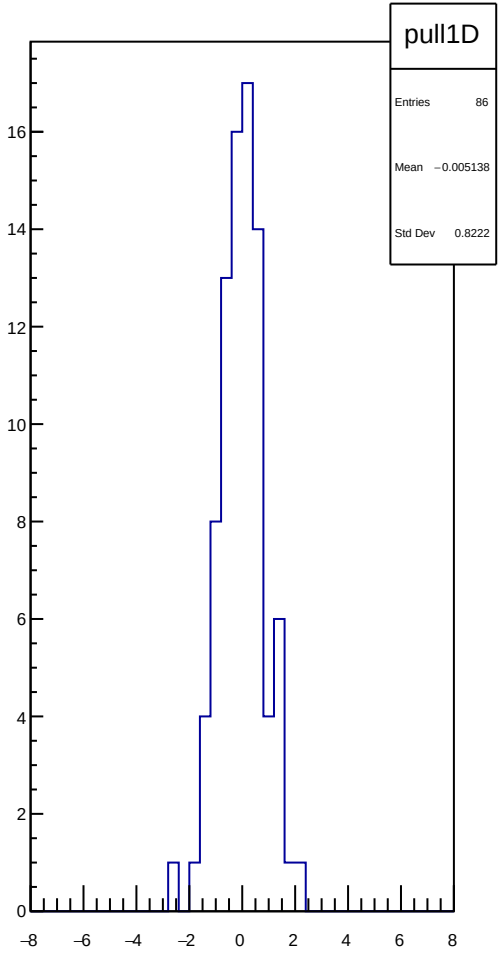

asym_at1_avg_correction_rms vs run
χ² / ndf 2036 / 85
p0 892.6 ± 0.694
1000
950
900
850
800

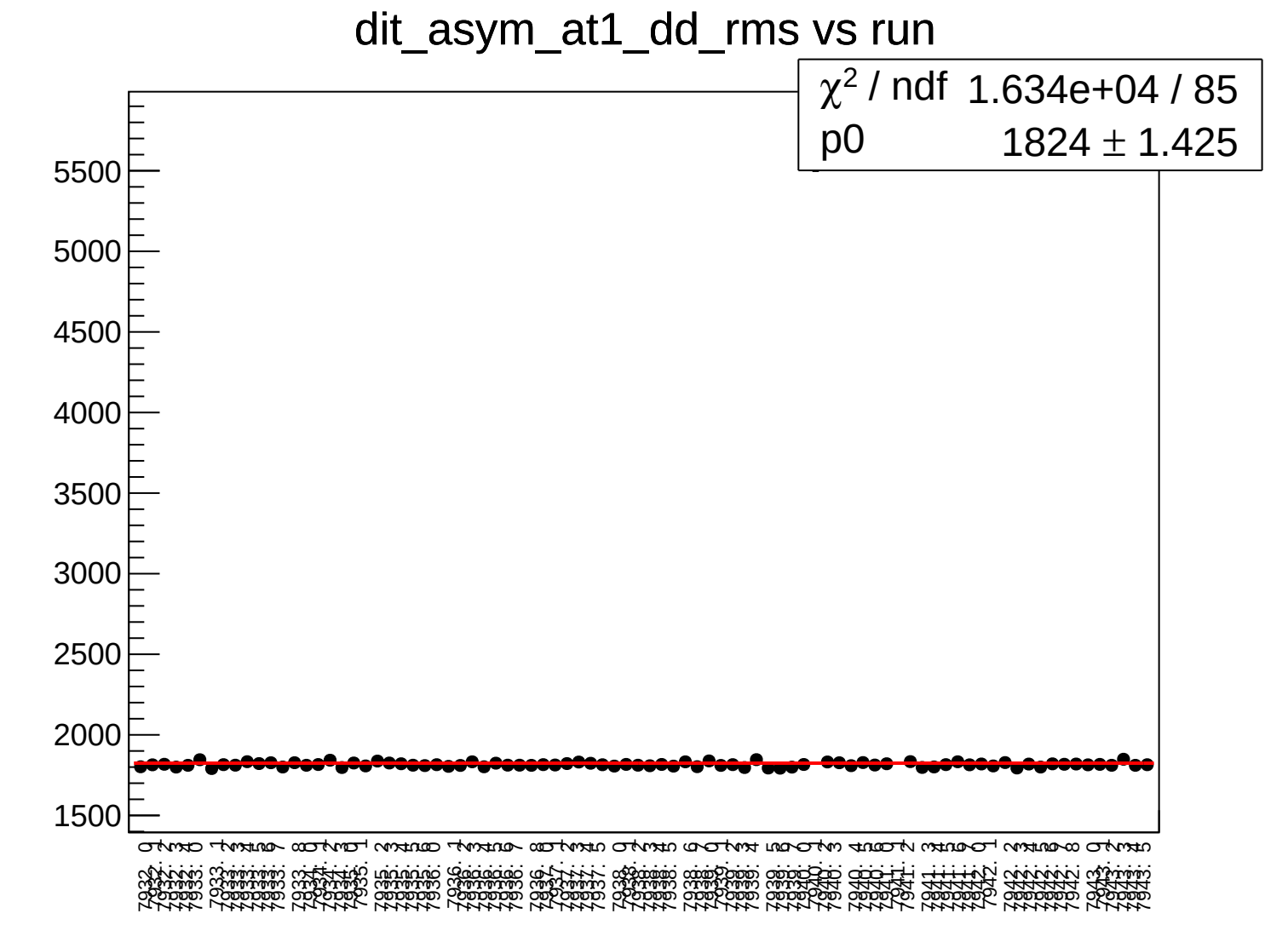

asym_at1_avg_mean vs run
×10^3
χ² / ndf 102 / 85
p0 −612.3 ± 2312
100
50
0
−50
−100
−150
pull
Entries 86
Mean −56.53
Std Dev 90.34
3
2
1
0
−1
−2

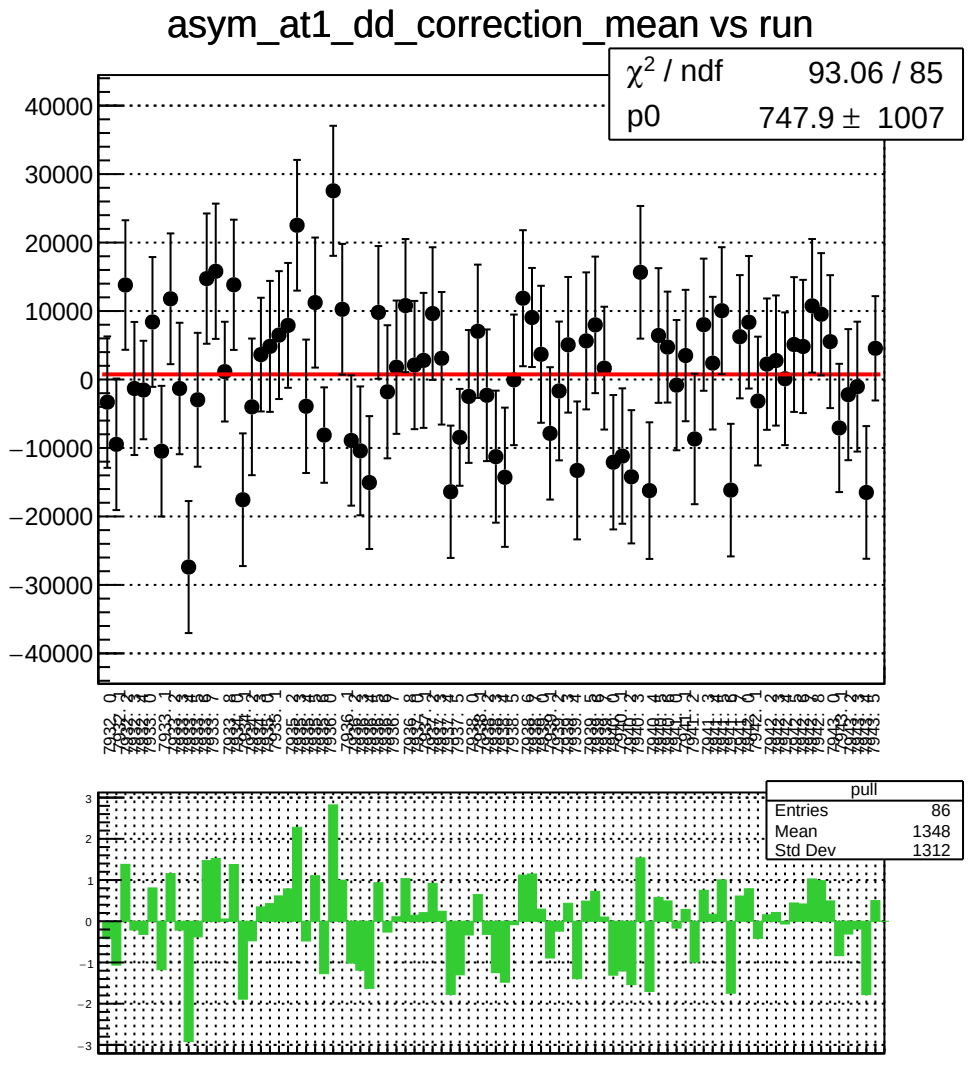

pull1D
Entries 86
Mean −0.02507
Std Dev 1.089
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

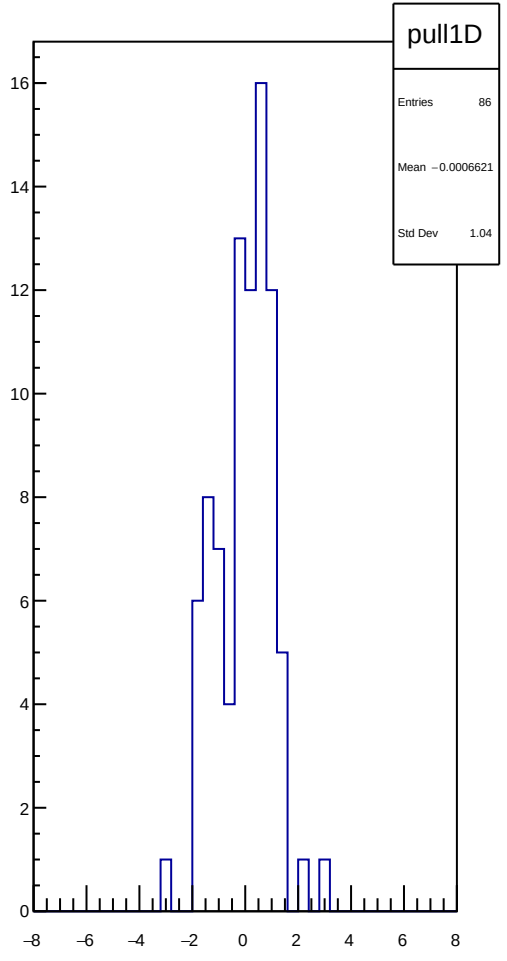

asym_at1_avg_rms vs run
χ² / ndf 1.493e+04 / 85
p0 2095 ± 1.635
6000
5500
5000
4500
4000
3500
3000
2500
2000

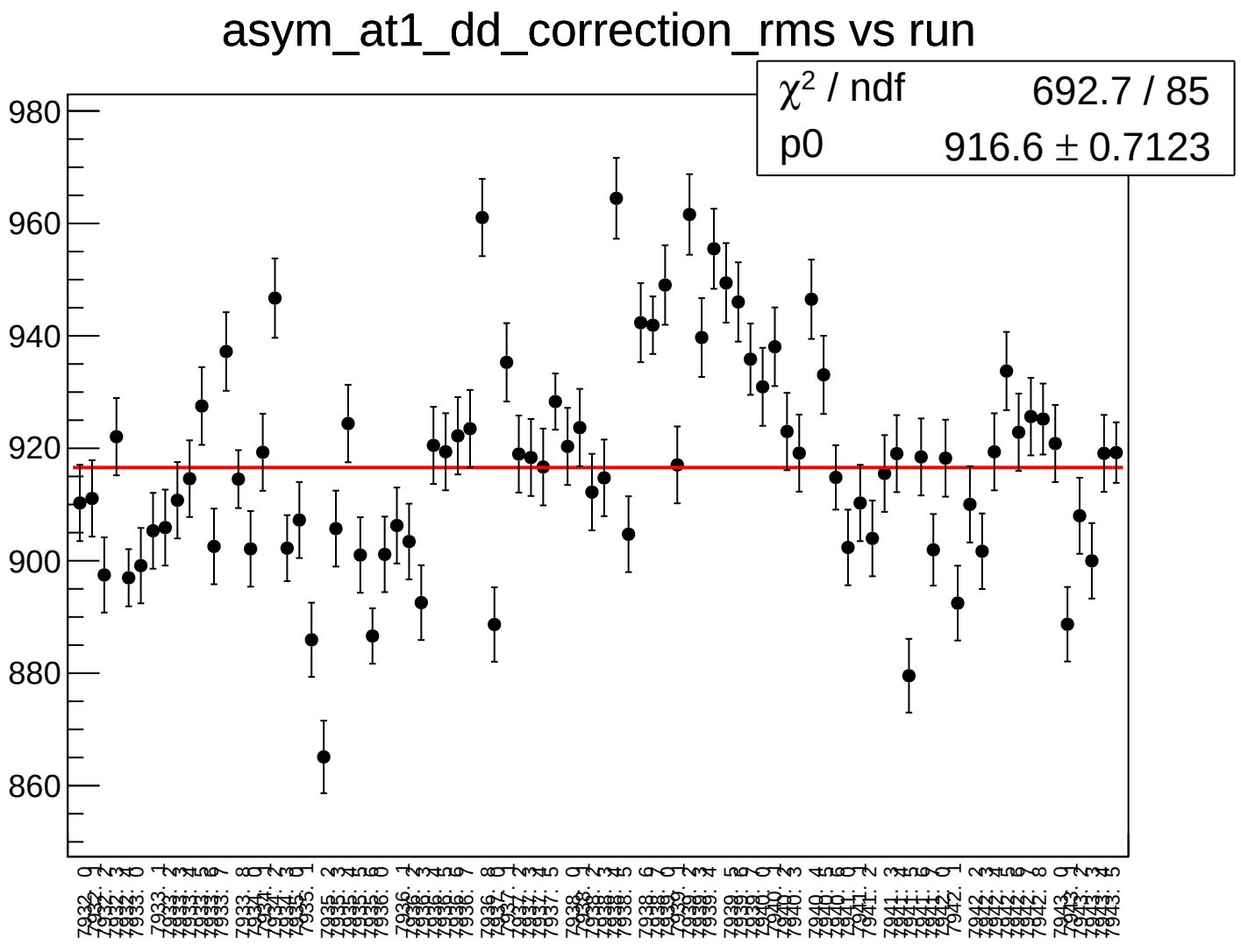

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 58.15 / 85
p0 2201 ± 2015
100
50
0
−50
−100
pull
Entries 86
Mean −17.52
Std Dev 93.79
2
1
0
−1
−2

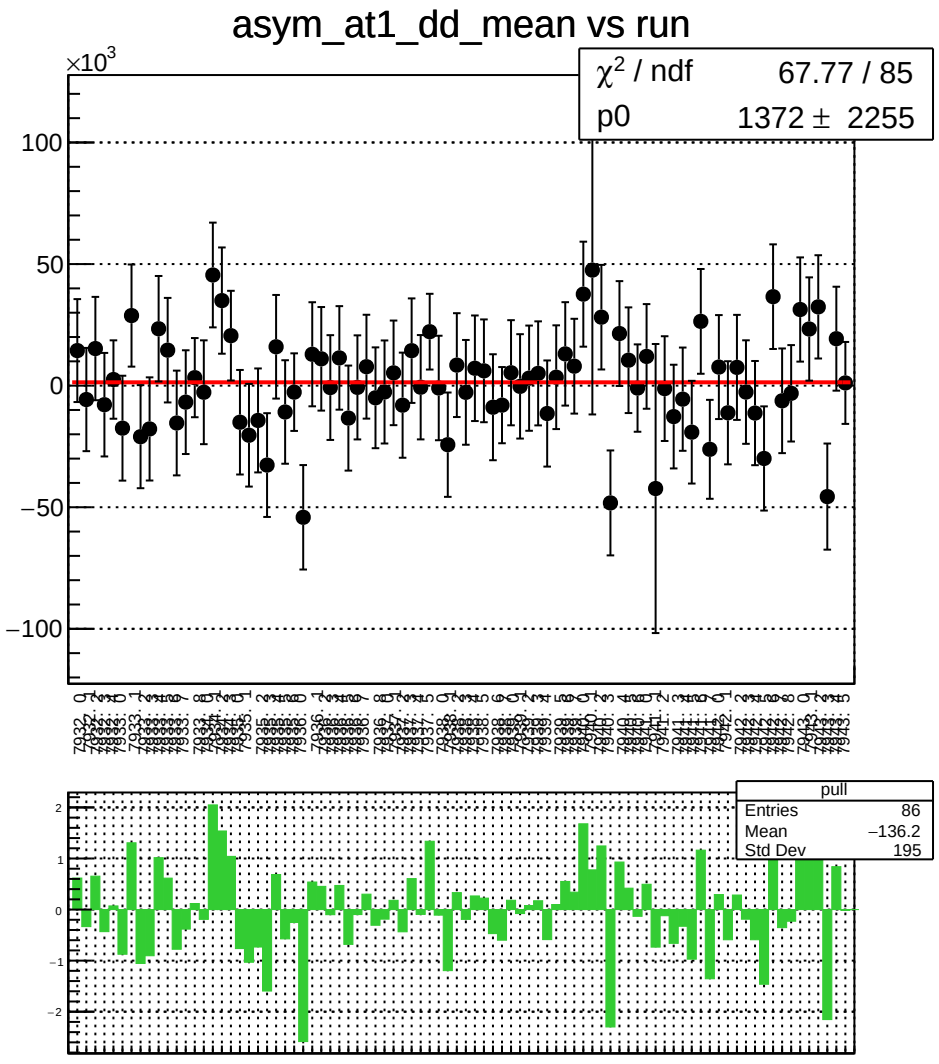

pull1D
Entries 86
Mean −0.005138
Std Dev 0.8222
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

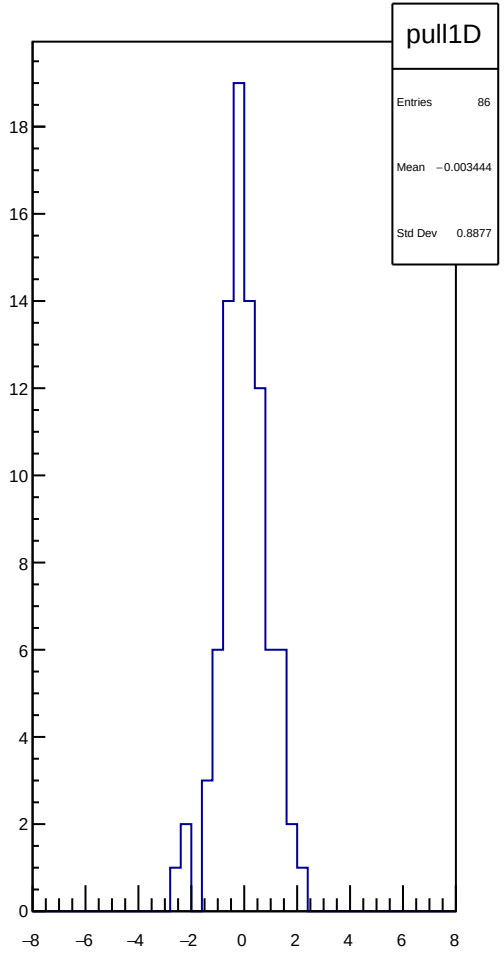

dit_asym_at1_dd_rms vs run
χ² / ndf 1.634e+04 / 85
p0 1824 ± 1.425
5500
5000
4500
4000
3500
3000
2500
2000
1500

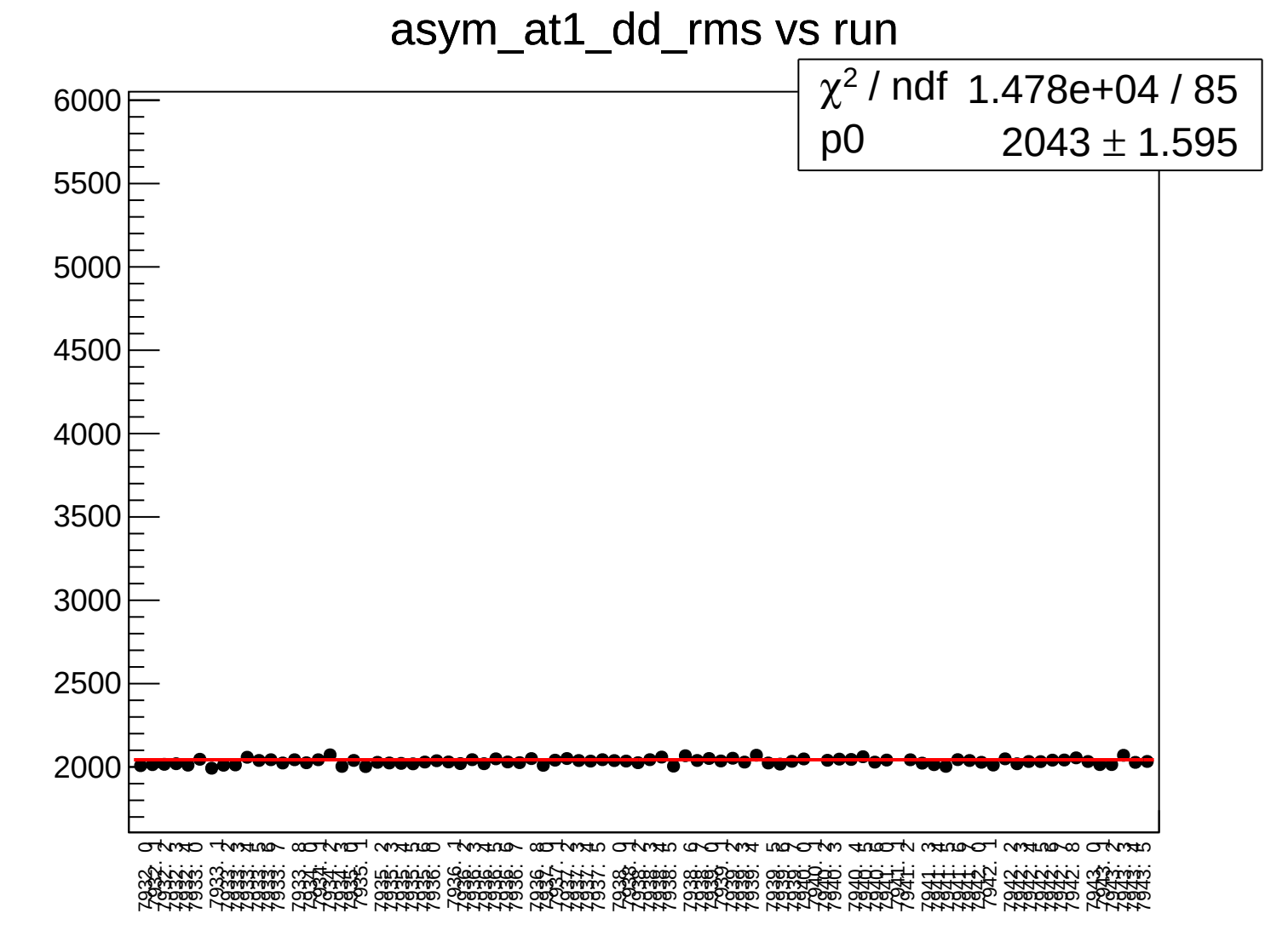

asym_at1_dd_correction_mean vs run
χ² / ndf 93.06 / 85
p0 747.9 ± 1007
pull
Entries 86
Mean 1348
Std Dev 1312

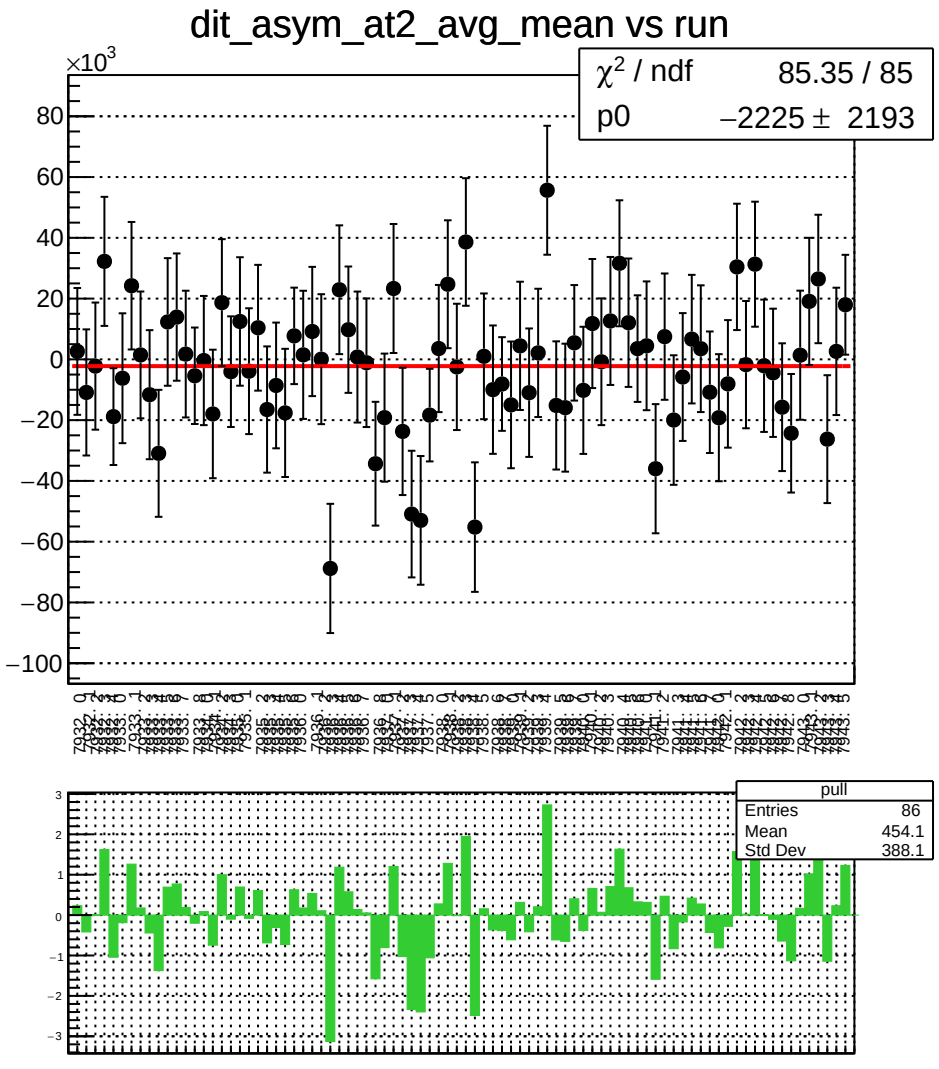

pull1D
Entries 86
Mean −0.0006621
Std Dev 1.04

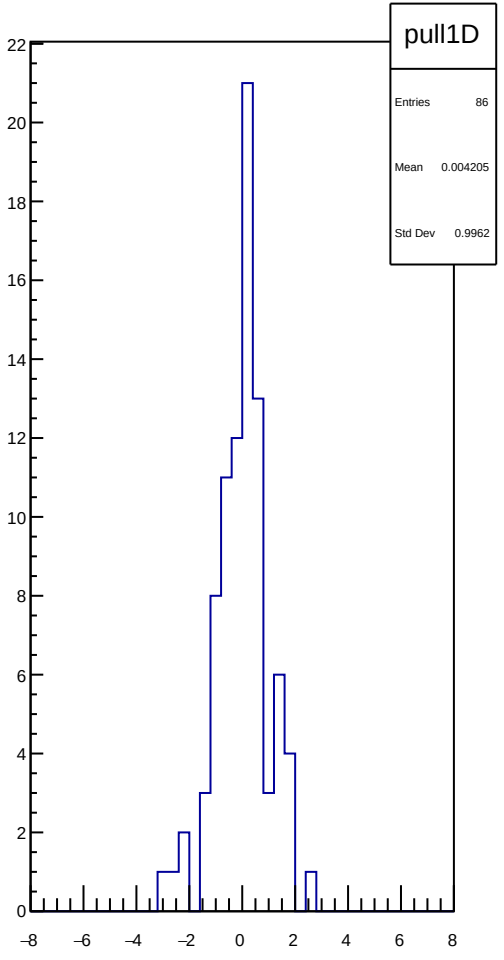

asym_at1_dd_correction_rms vs run
χ^2 / ndf 692.7 / 85
p0 916.6 ± 0.7123
980
960
940
920
900
880
860

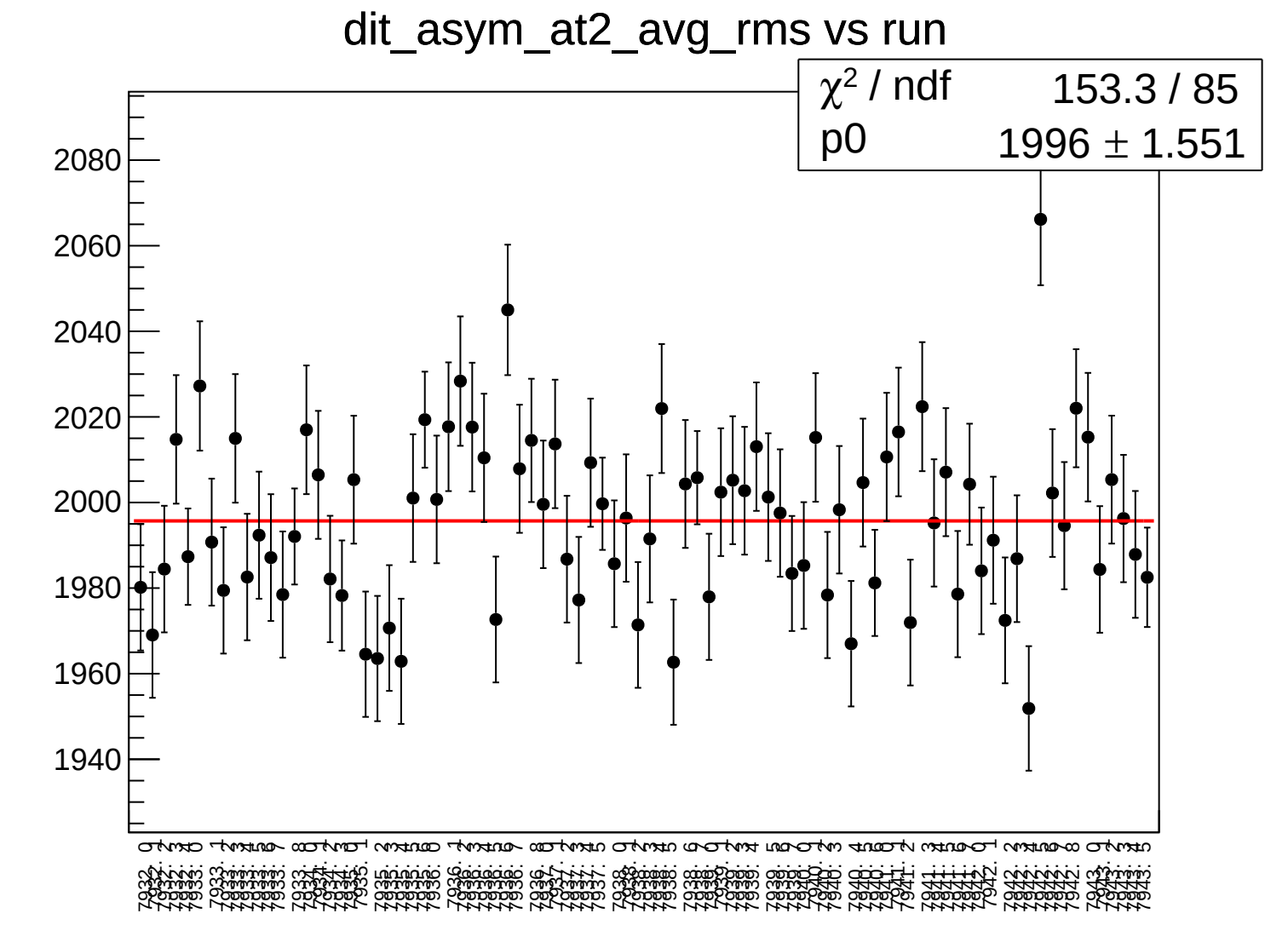

asym_at1_dd_mean vs run
×10^3
χ² / ndf 67.77 / 85
p0 1372 ± 2255
100
50
0
−50
−100
pull
Entries 86
Mean −136.2
Std Dev 195
2
1
0
−1
−2

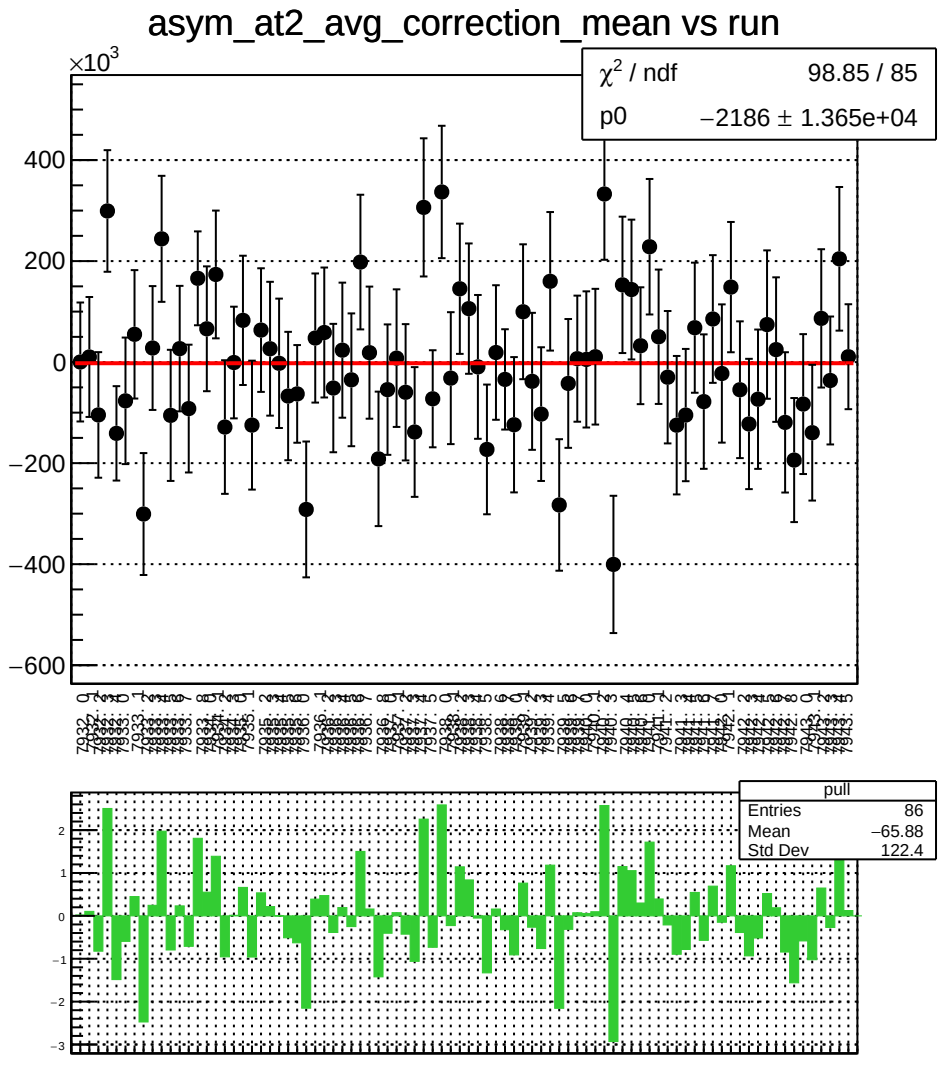

pull1D
Entries 86
Mean −0.003444
Std Dev 0.8877
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

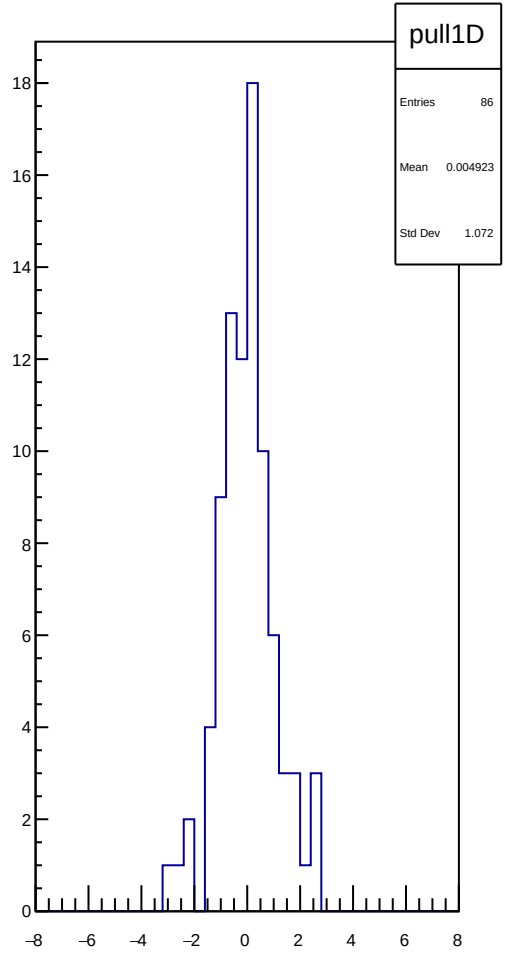

asym_at1_dd_rms vs run
χ^2 / ndf 1.478e+04 / 85
p0 2043 ± 1.595
6000
5500
5000
4500
4000
3500
3000
2500
2000

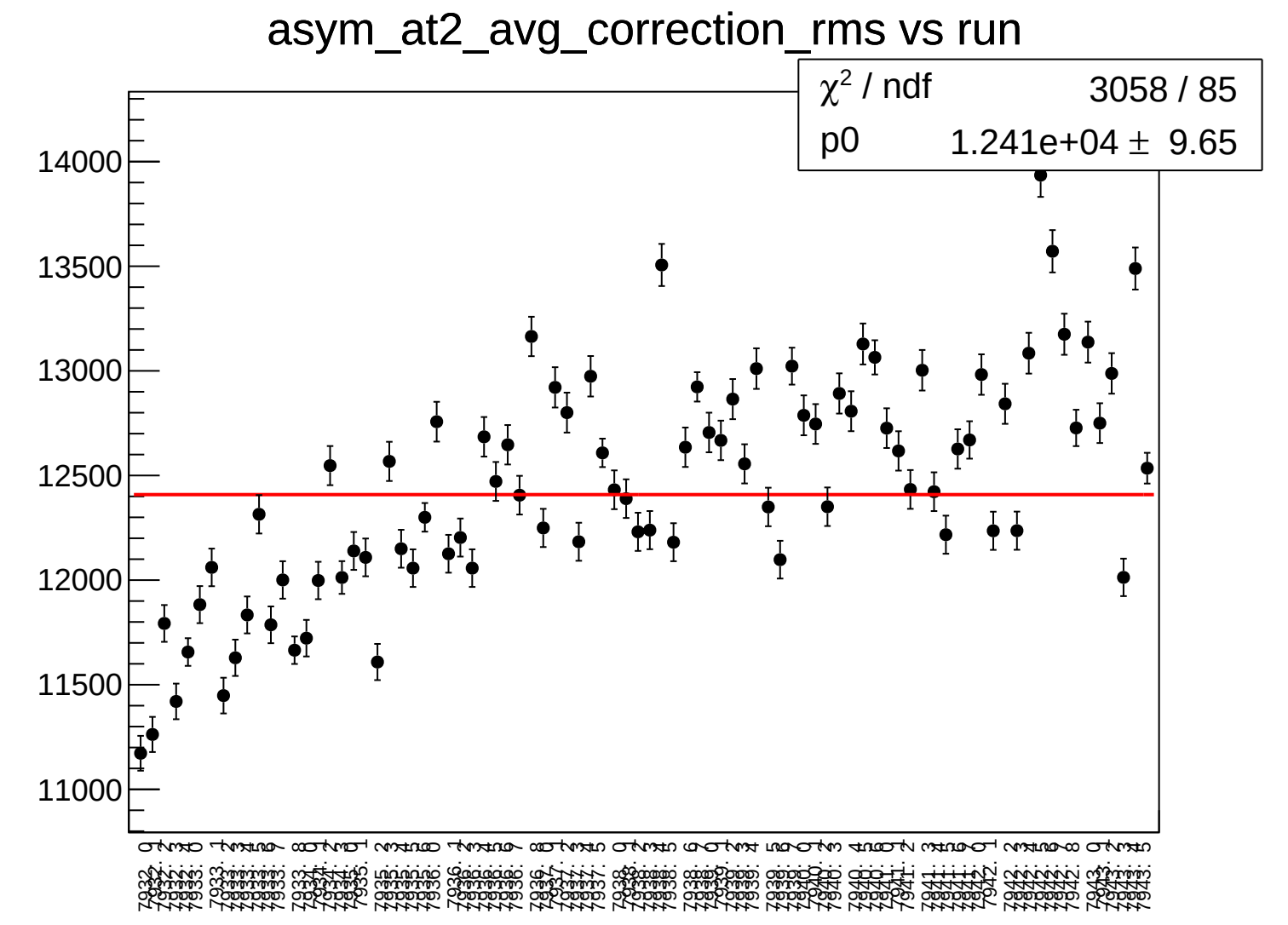

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 85.35 / 85
p0 −2225 ± 2193
pull
Entries 86
Mean 454.1
Std Dev 388.1

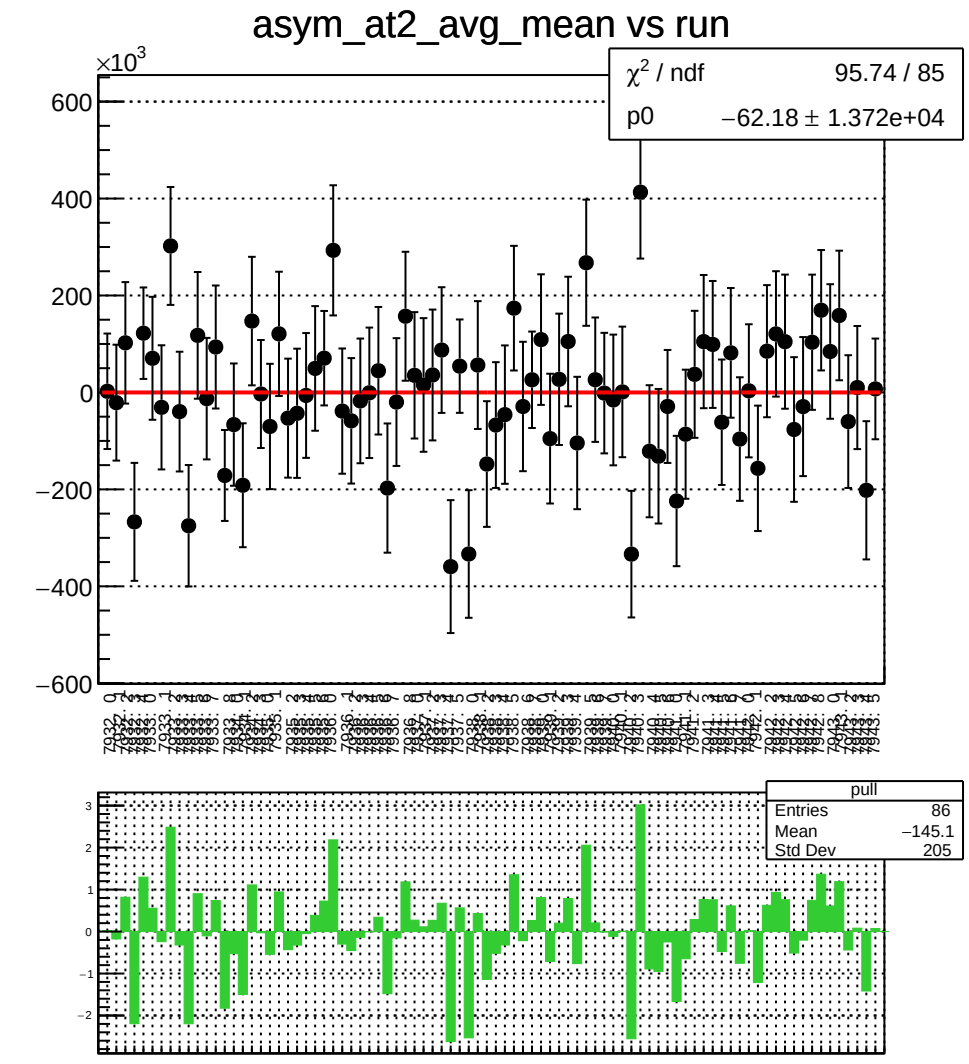

pull1D
Entries 86
Mean 0.004205
Std Dev 0.9962

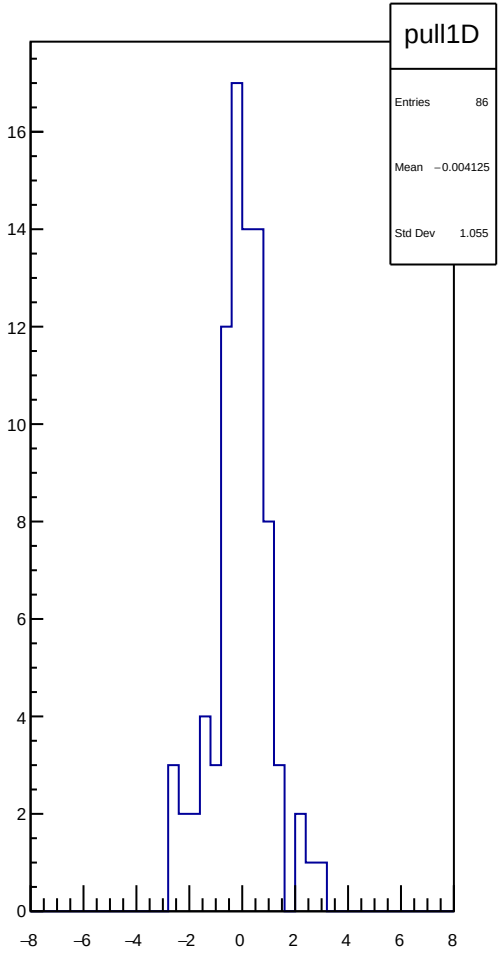

dit_asym_at2_avg_rms vs run
χ^2 / ndf 153.3 / 85
p0 1996 ± 1.551
2080
2060
2040
2020
2000
1980
1960
1940

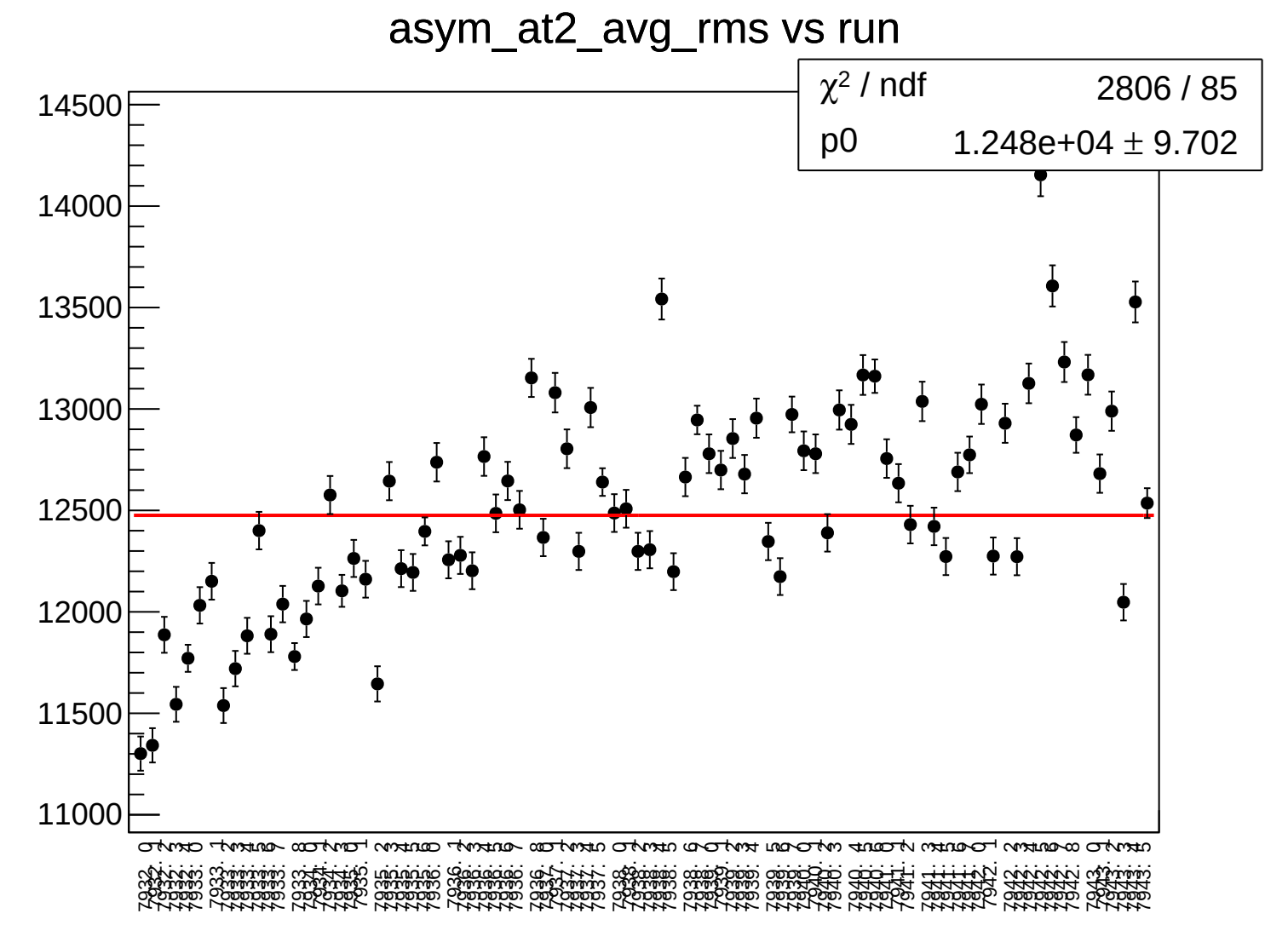

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 98.85 / 85
p0 −2186 ± 1.365e+04
400
200
0
−200
−400
−600
pull
Entries 86
Mean −65.88
Std Dev 122.4
2
1
0
−1
−2
−3

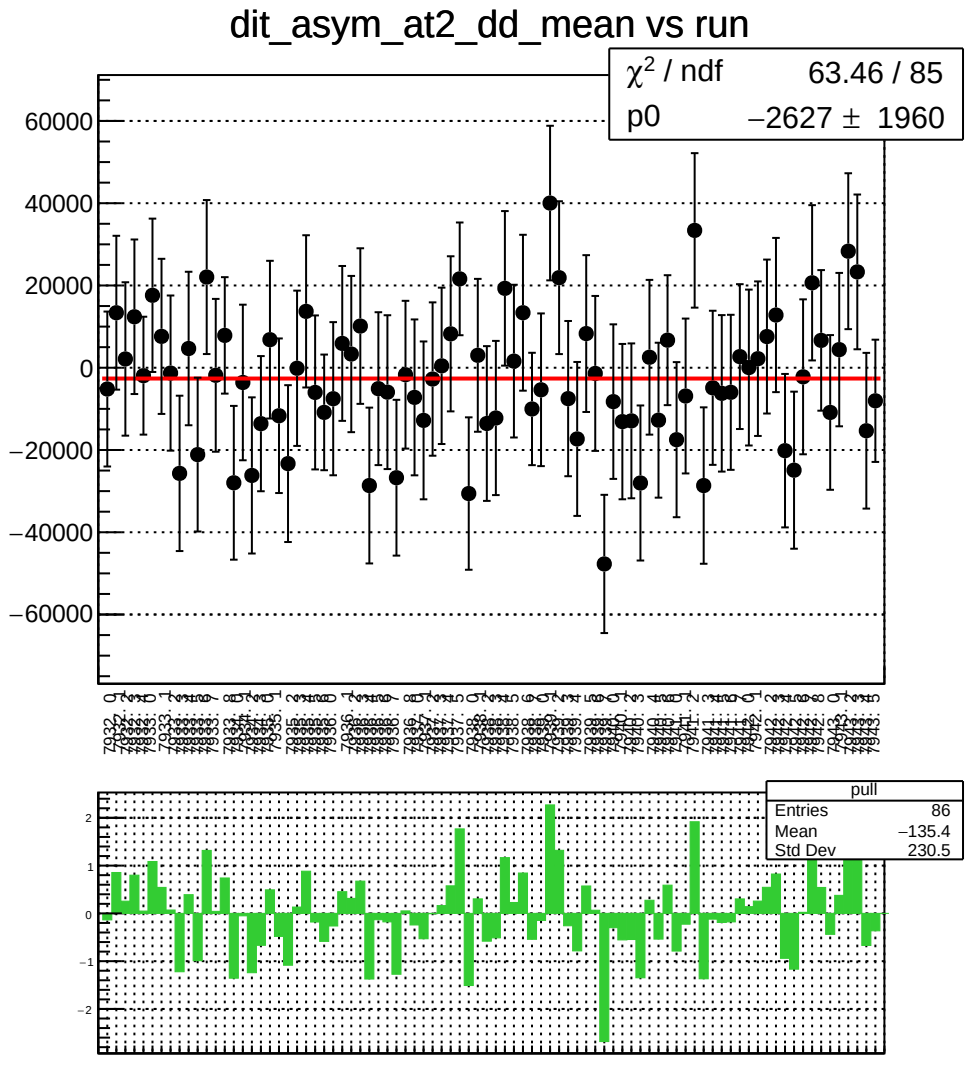

pull1D
Entries 86
Mean 0.004923
Std Dev 1.072
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

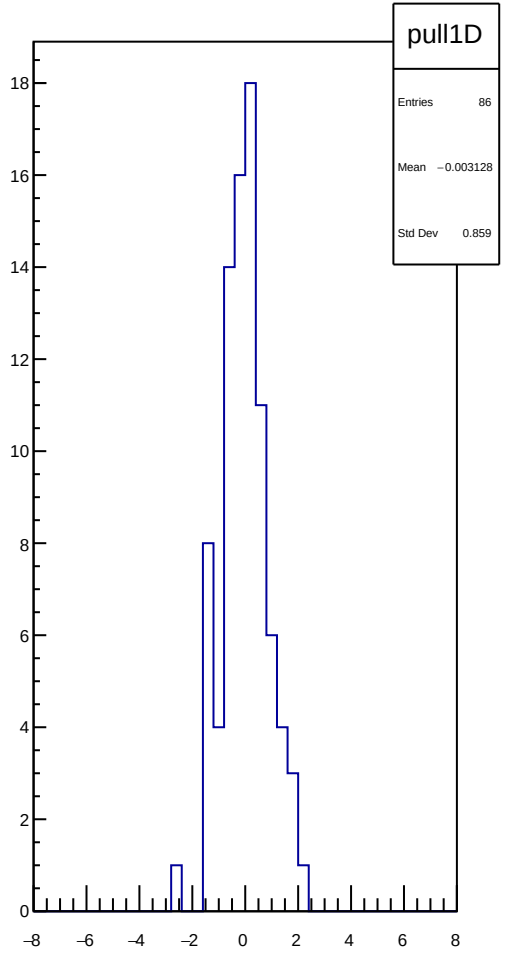

asym_at2_avg_correction_rms vs run
χ² / ndf 3058 / 85
p0 1.241e+04 ± 9.65
14000
13500
13000
12500
12000
11500
11000

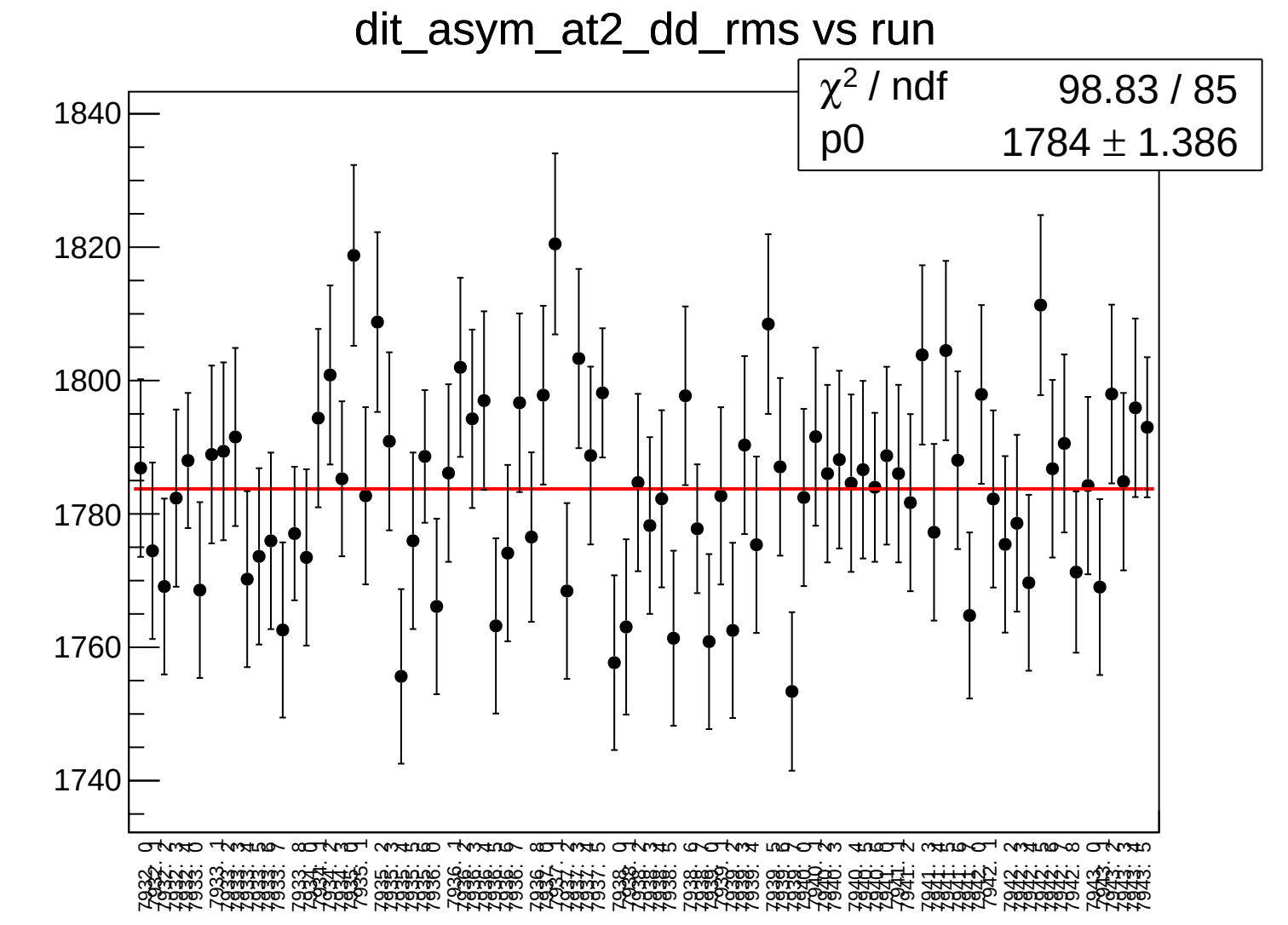

asym_at2_avg_mean vs run
×10^3
χ² / ndf 95.74 / 85
p0 −62.18 ± 1.372e+04
pull
Entries 86
Mean −145.1
Std Dev 205

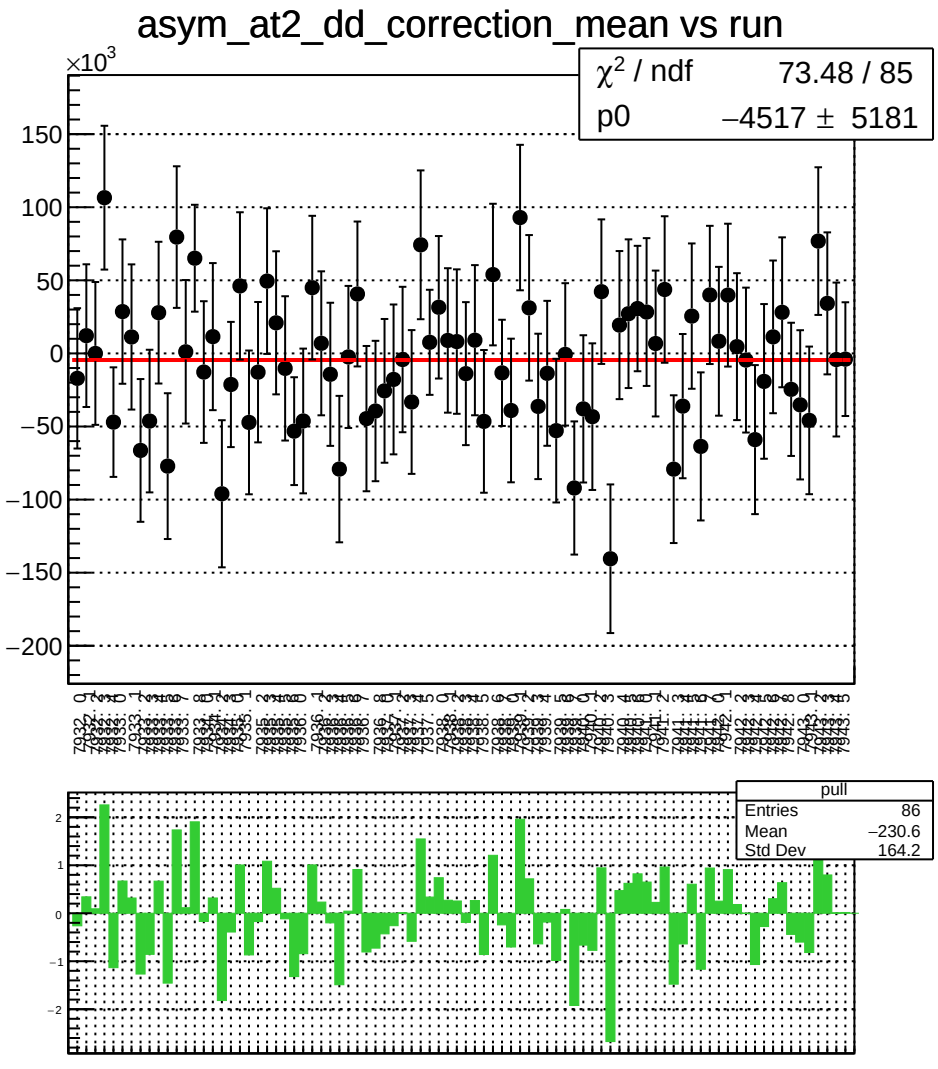

pull1D
Entries 86
Mean −0.004125
Std Dev 1.055

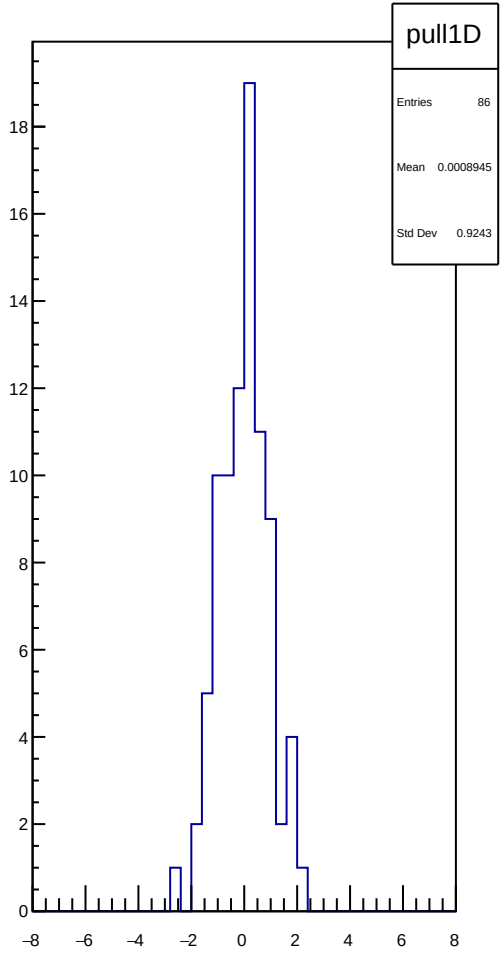

asym_at2_avg_rms vs run
χ² / ndf 2806 / 85
p0 1.248e+04 ± 9.702
14500
14000
13500
13000
12500
12000
11500
11000

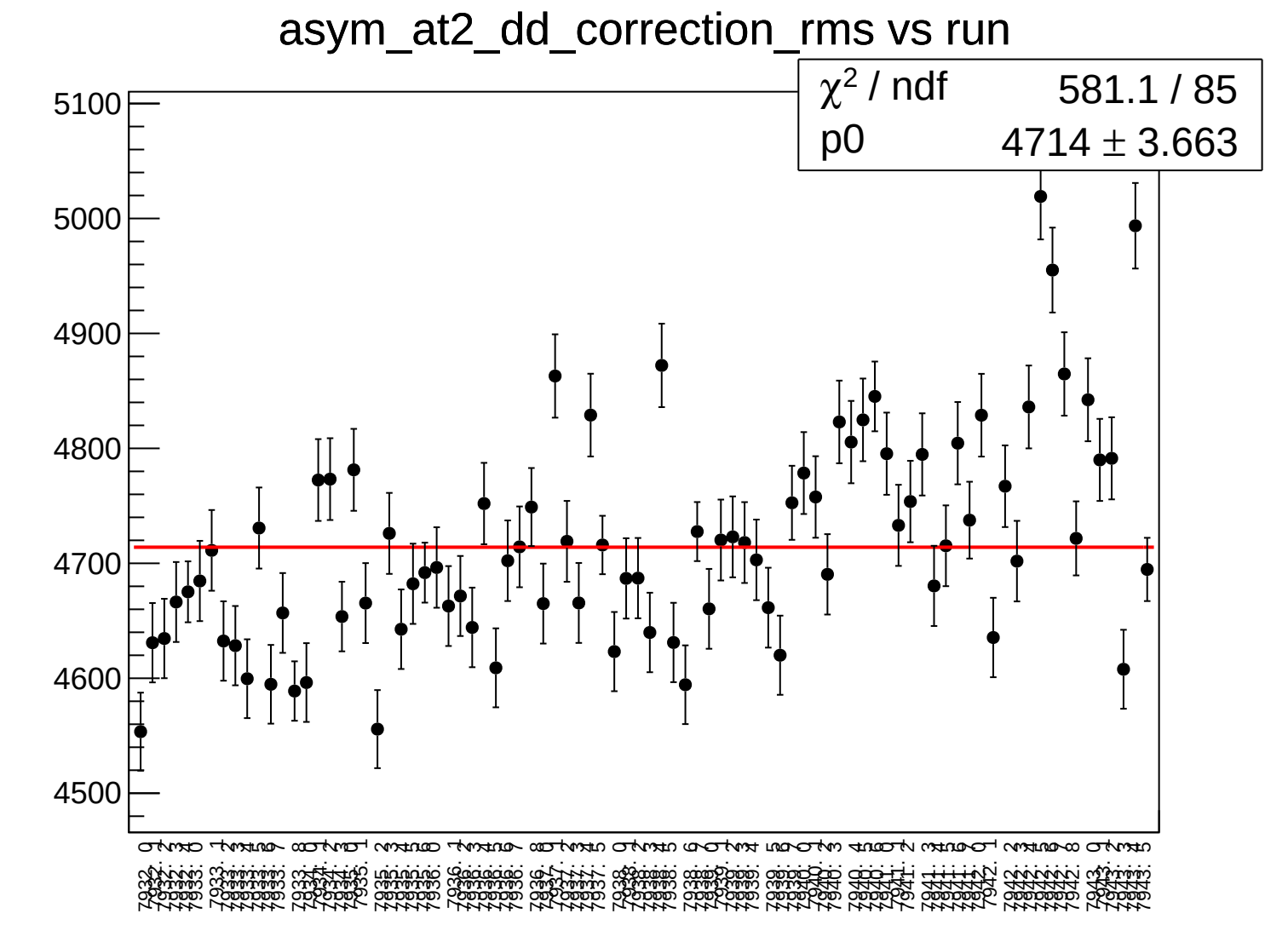

dit_asym_at2_dd_mean vs run
χ² / ndf 63.46 / 85
p0 −2627 ± 1960
pull
Entries 86
Mean −135.4
Std Dev 230.5

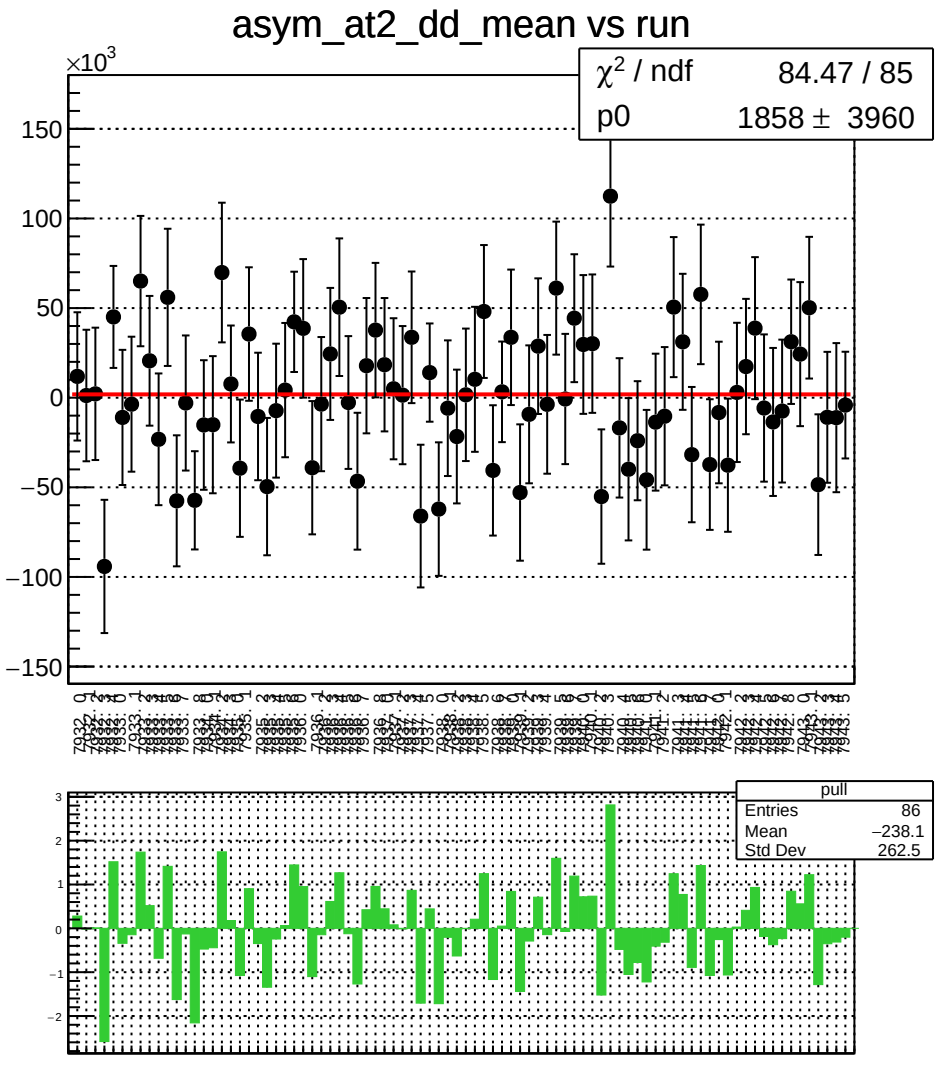

pull1D
Entries 86
Mean −0.003128
Std Dev 0.859

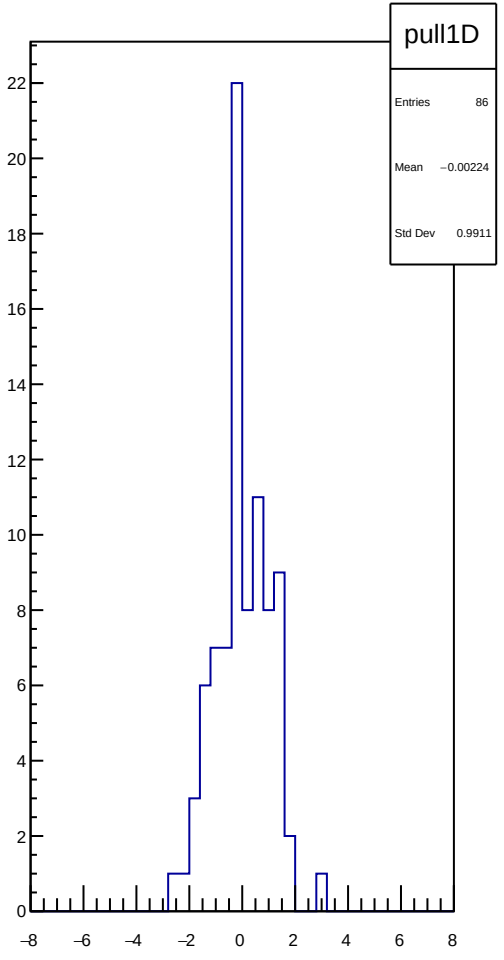

dit_asym_at2_dd_rms vs run
χ² / ndf 98.83 / 85
p0 1784 ± 1.386
1840
1820
1800
1780
1760
1740

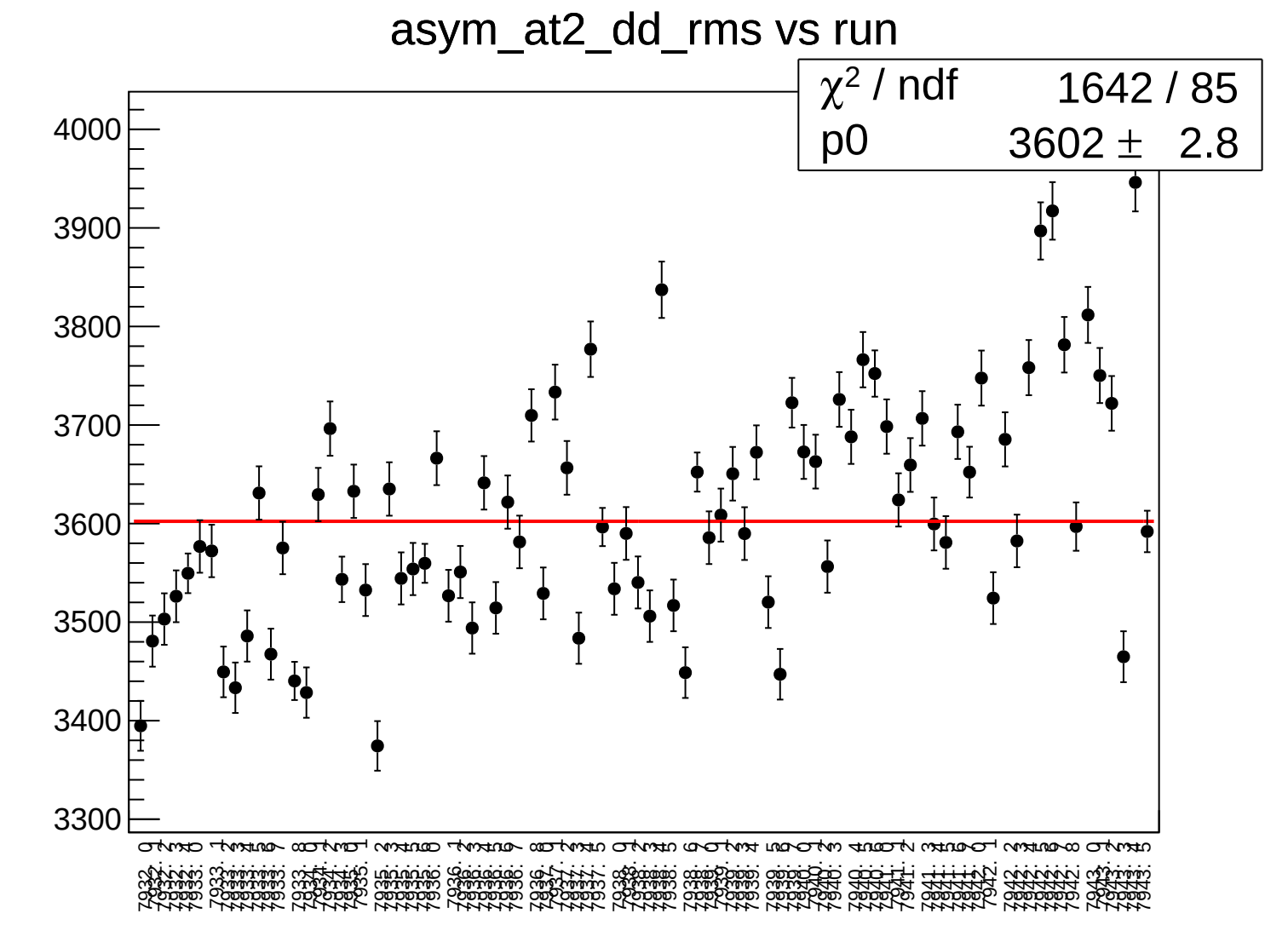

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 73.48 / 85
p0 −4517 ± 5181
150
100
50
0
−50
−100
−150
−200
pull
Entries 86
Mean −230.6
Std Dev 164.2
2
1
0
−1
−2

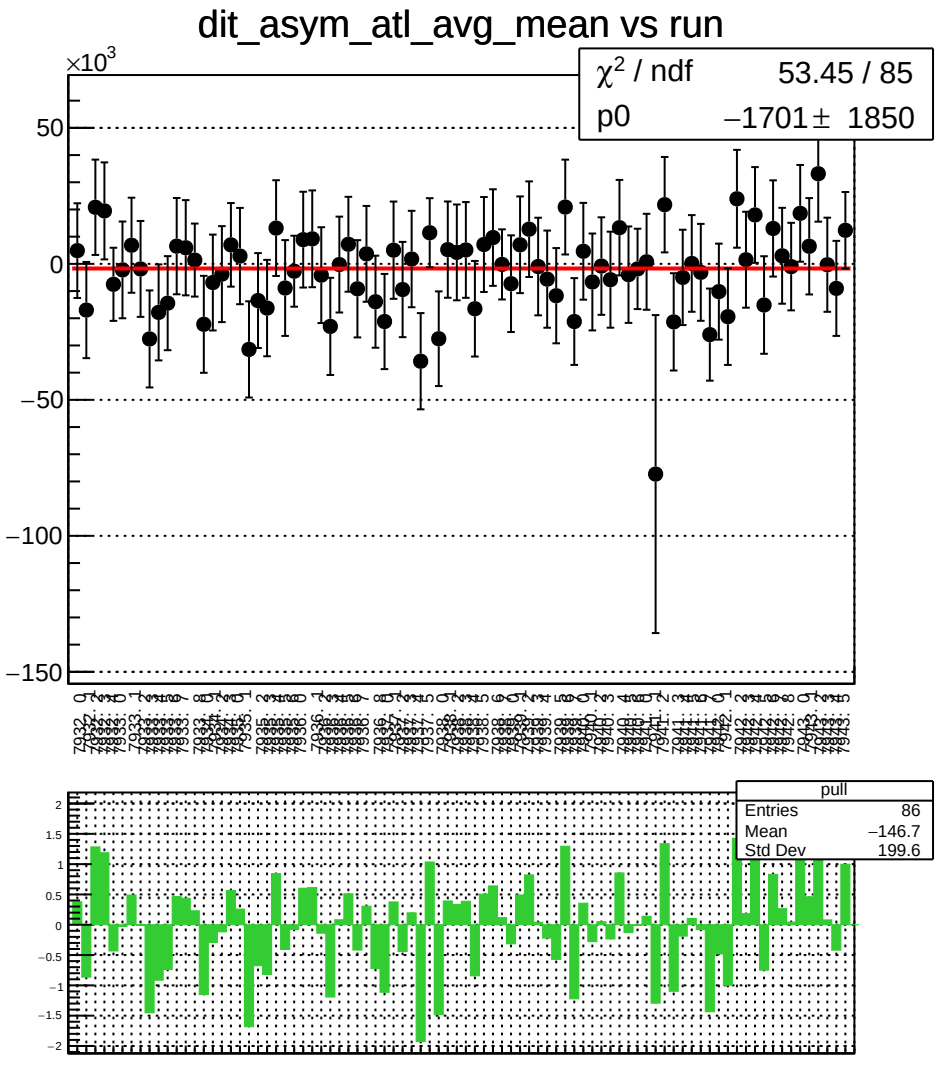

pull1D
Entries 86
Mean 0.0008945
Std Dev 0.9243
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

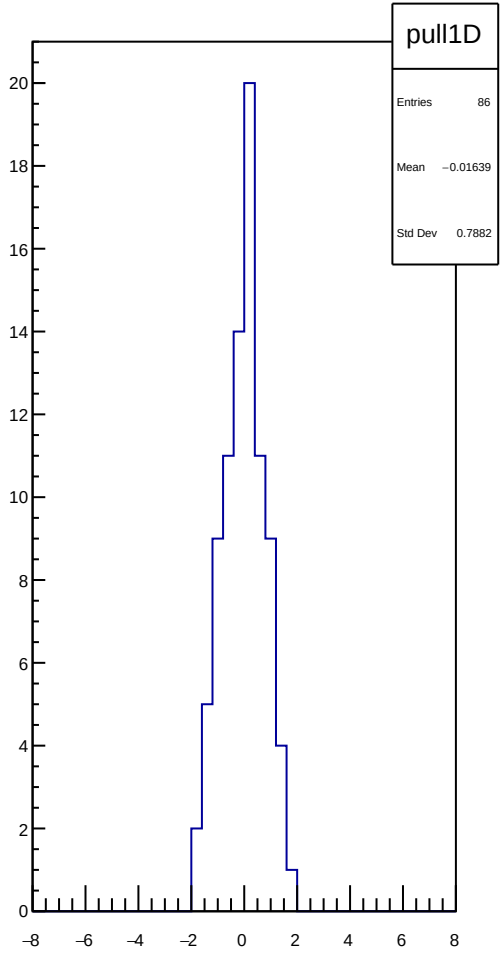

asym_at2_dd_correction_rms vs run
χ^2 / ndf 581.1 / 85
p0 4714 ± 3.663
5100
5000
4900
4800
4700
4600
4500

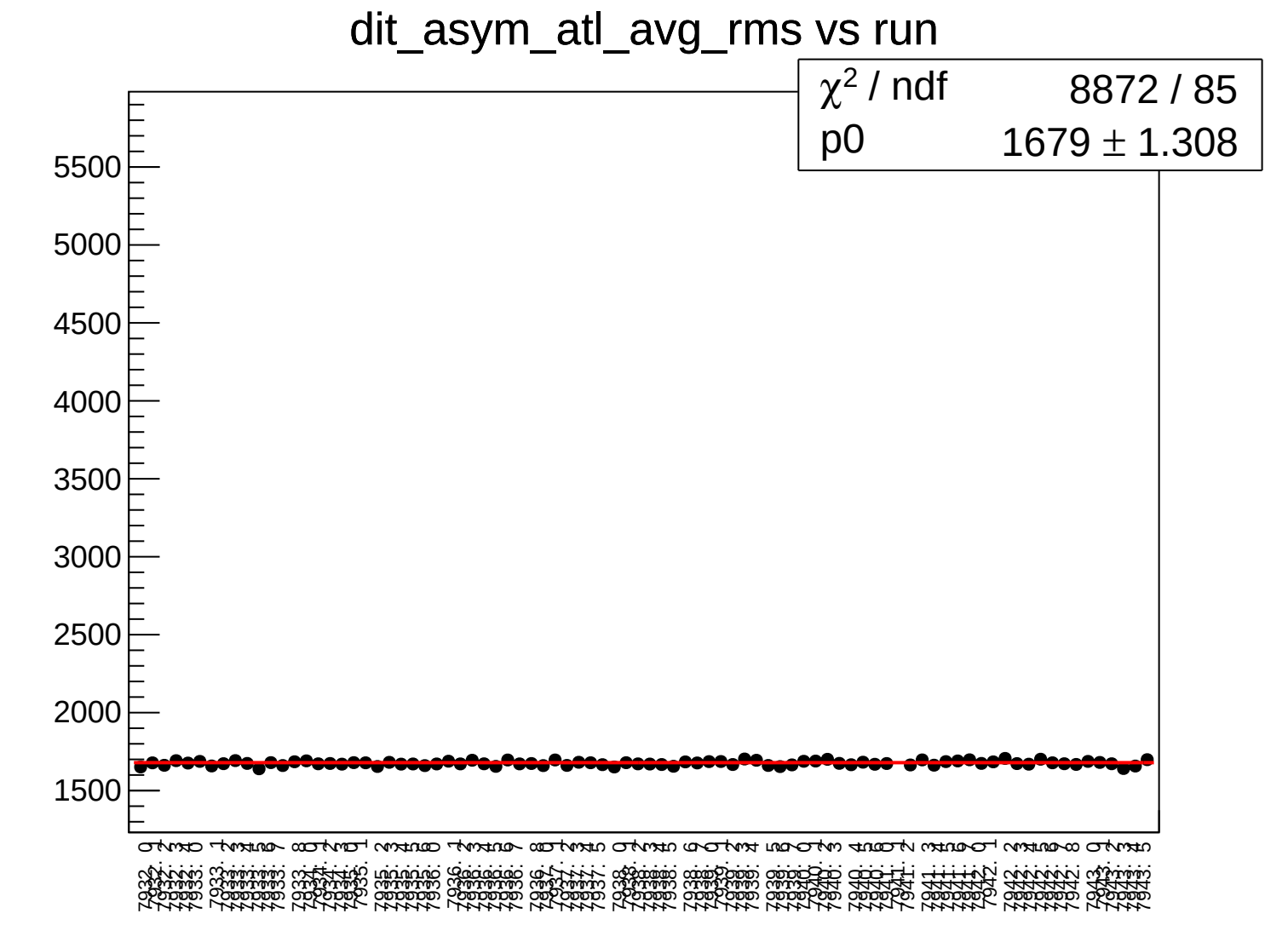

asym_at2_dd_mean vs run
×10^3
χ² / ndf 84.47 / 85
p0 1858 ± 3960
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean −238.1
Std Dev 262.5
3
2
1
0
−1
−2

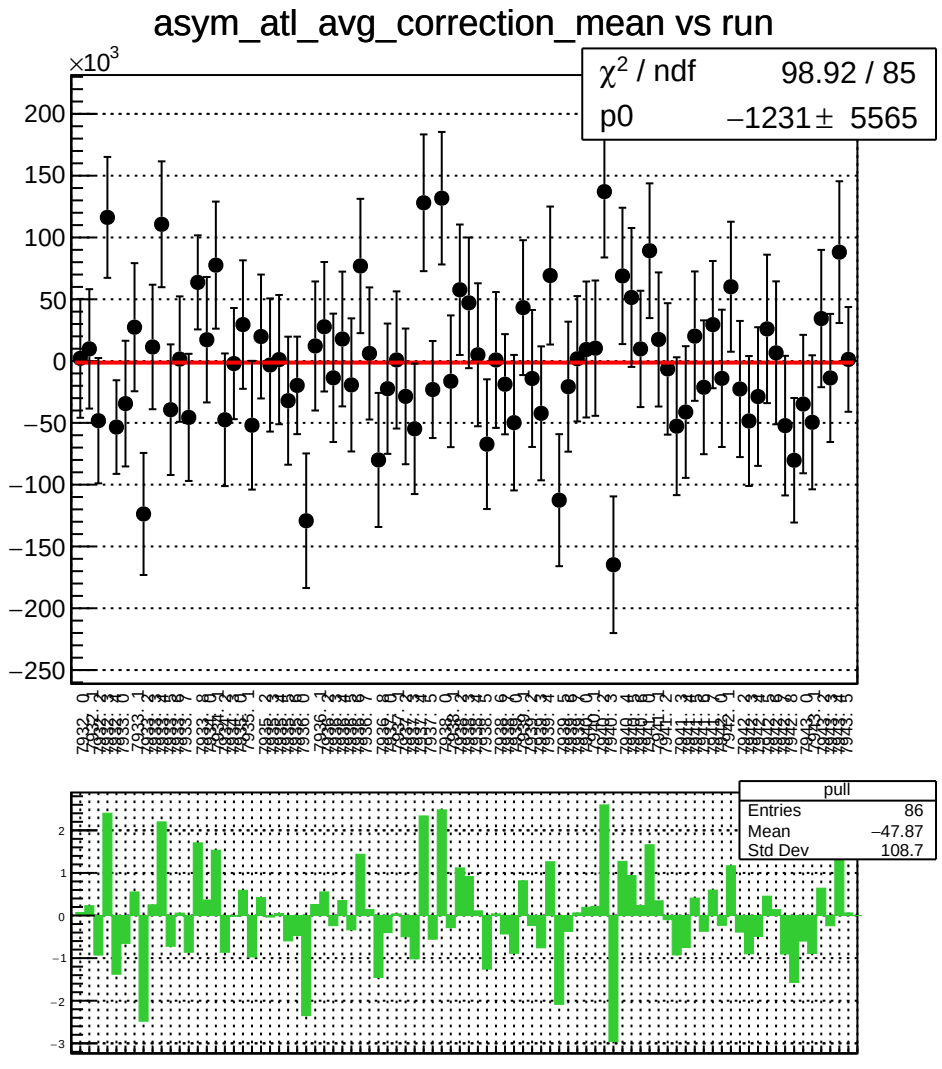

pull1D
Entries 86
Mean −0.00224
Std Dev 0.9911
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

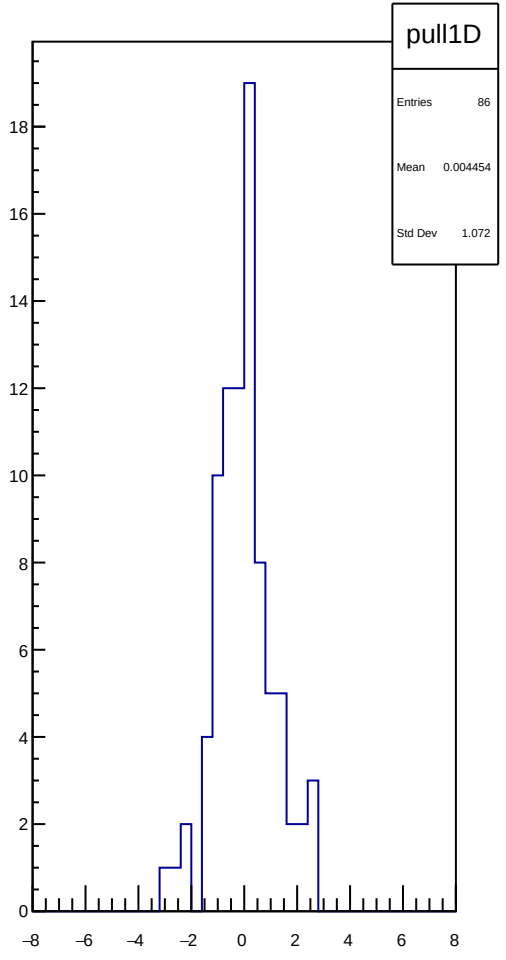

asym_at2_dd_rms vs run
χ² / ndf 1642 / 85
p0 3602 ± 2.8
4000
3900
3800
3700
3600
3500
3400
3300

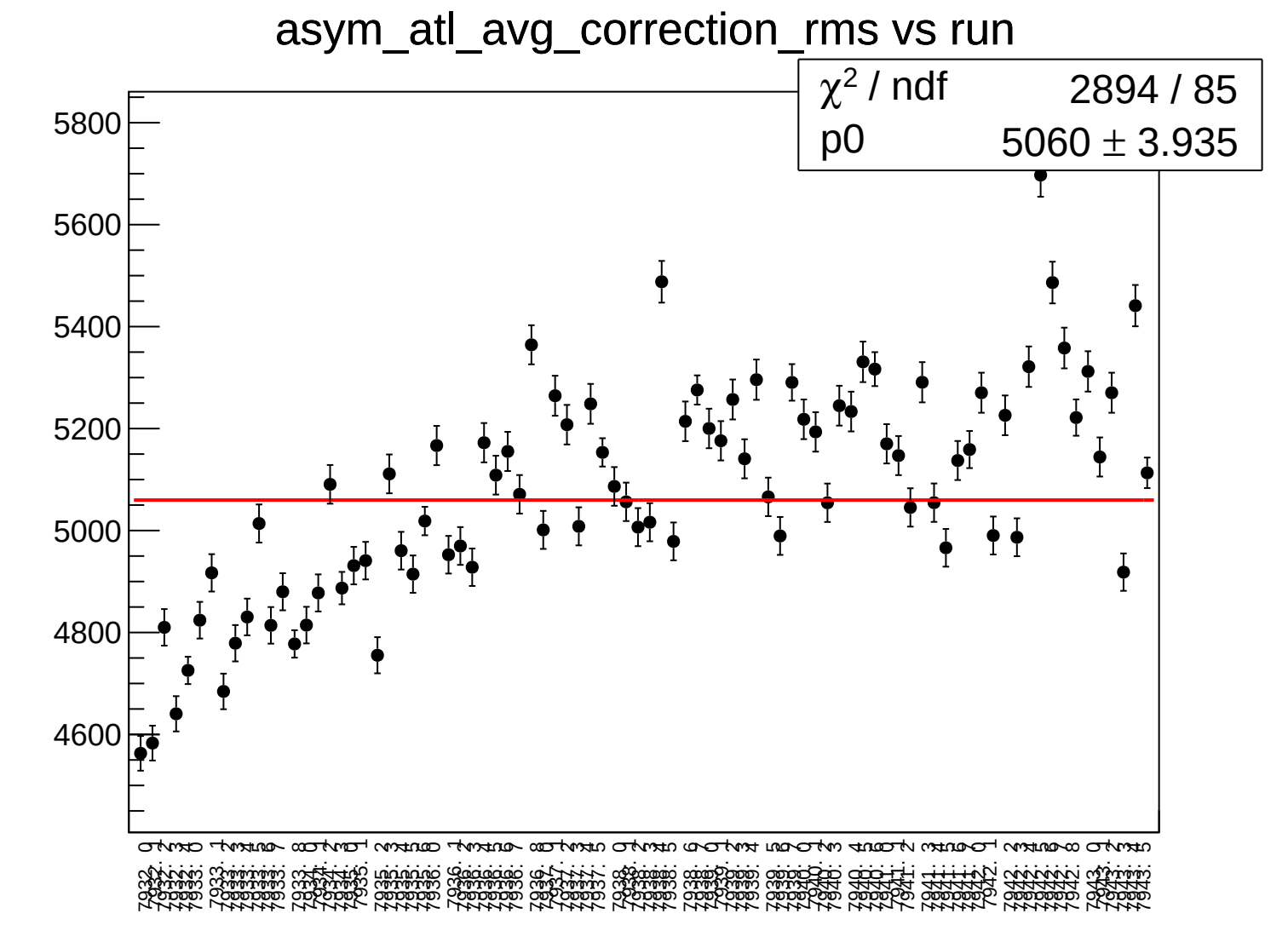

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 53.45 / 85
p0 −1701 ± 1850
50
0
−50
−100
−150
pull
Entries 86
Mean −146.7
Std Dev 199.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

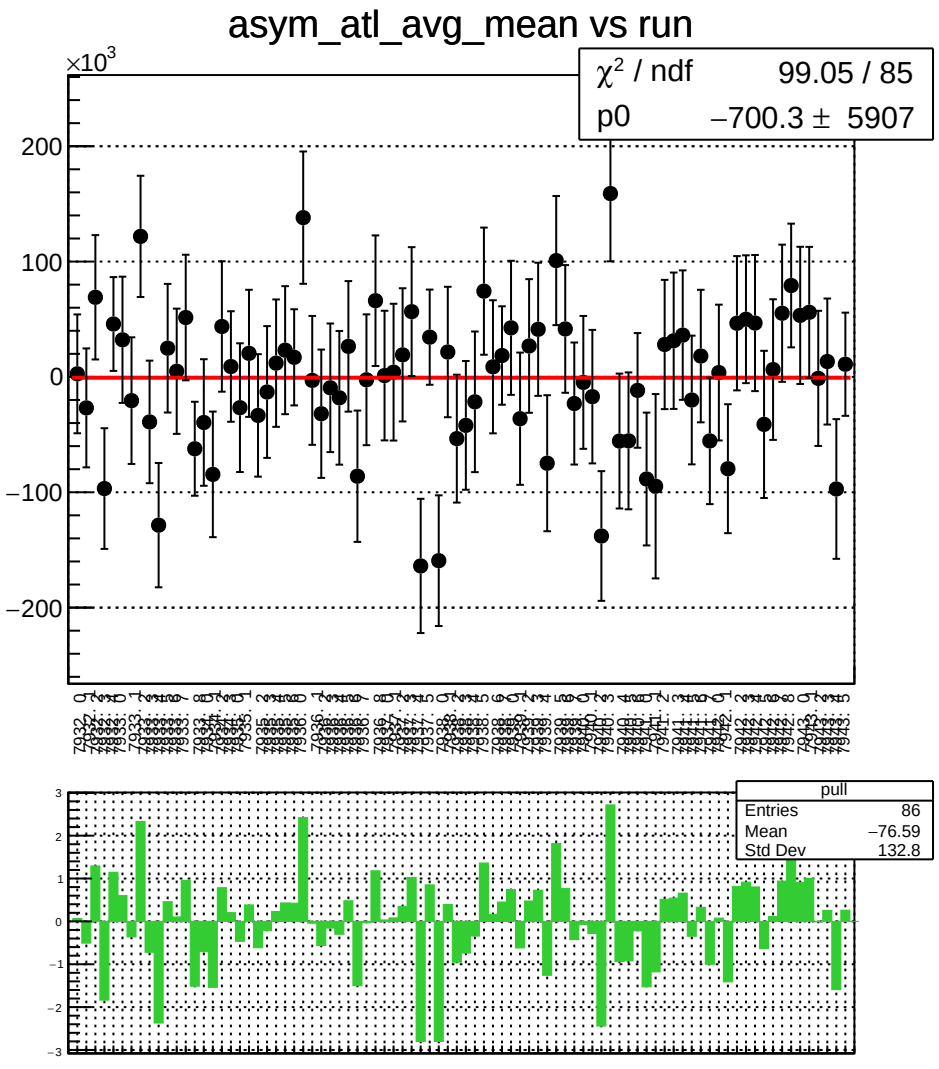

pull1D
Entries 86
Mean −0.01639
Std Dev 0.7882
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

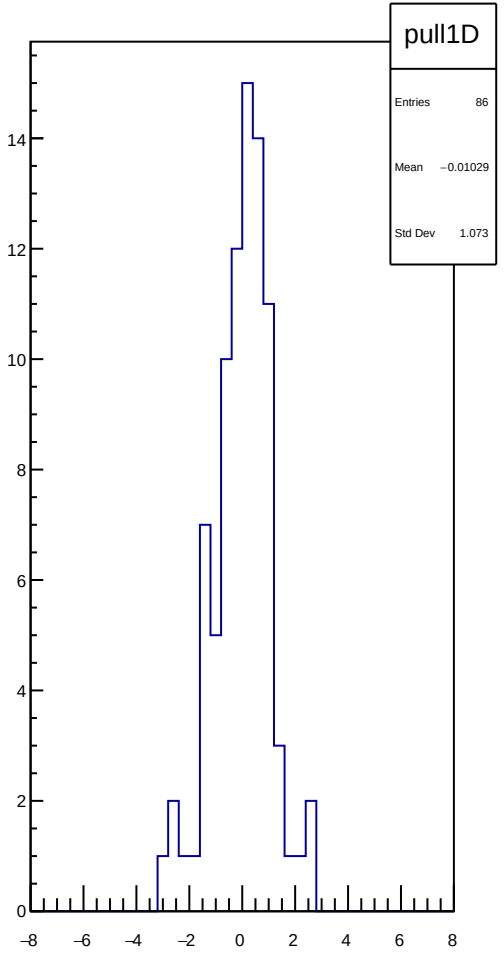

dit_asym_atl_avg_rms vs run
χ² / ndf 8872 / 85
p0 1679 ± 1.308
5500
5000
4500
4000
3500
3000
2500
2000
1500

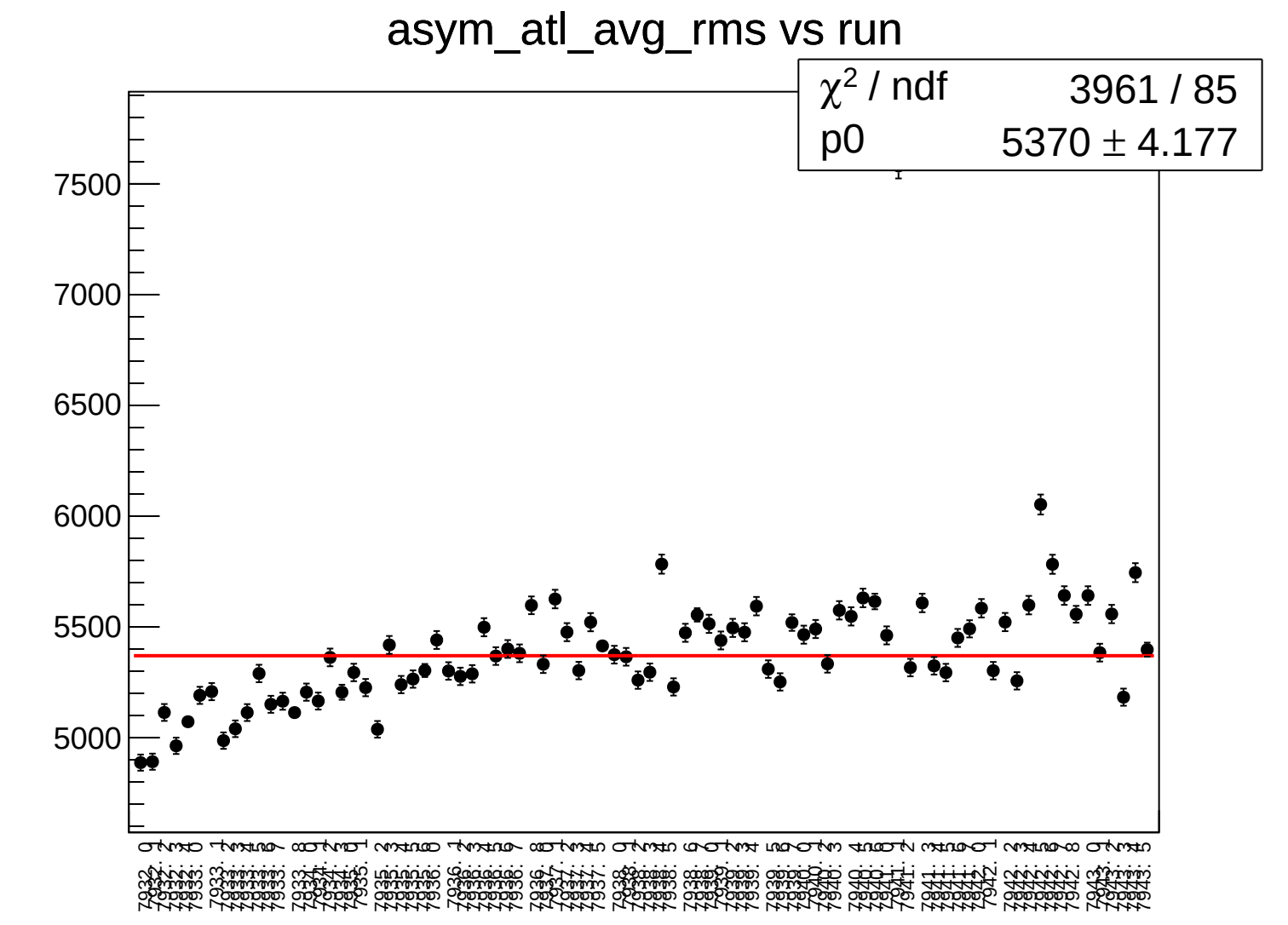

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 98.92 / 85
p0 −1231 ± 5565
pull
Entries 86
Mean −47.87
Std Dev 108.7

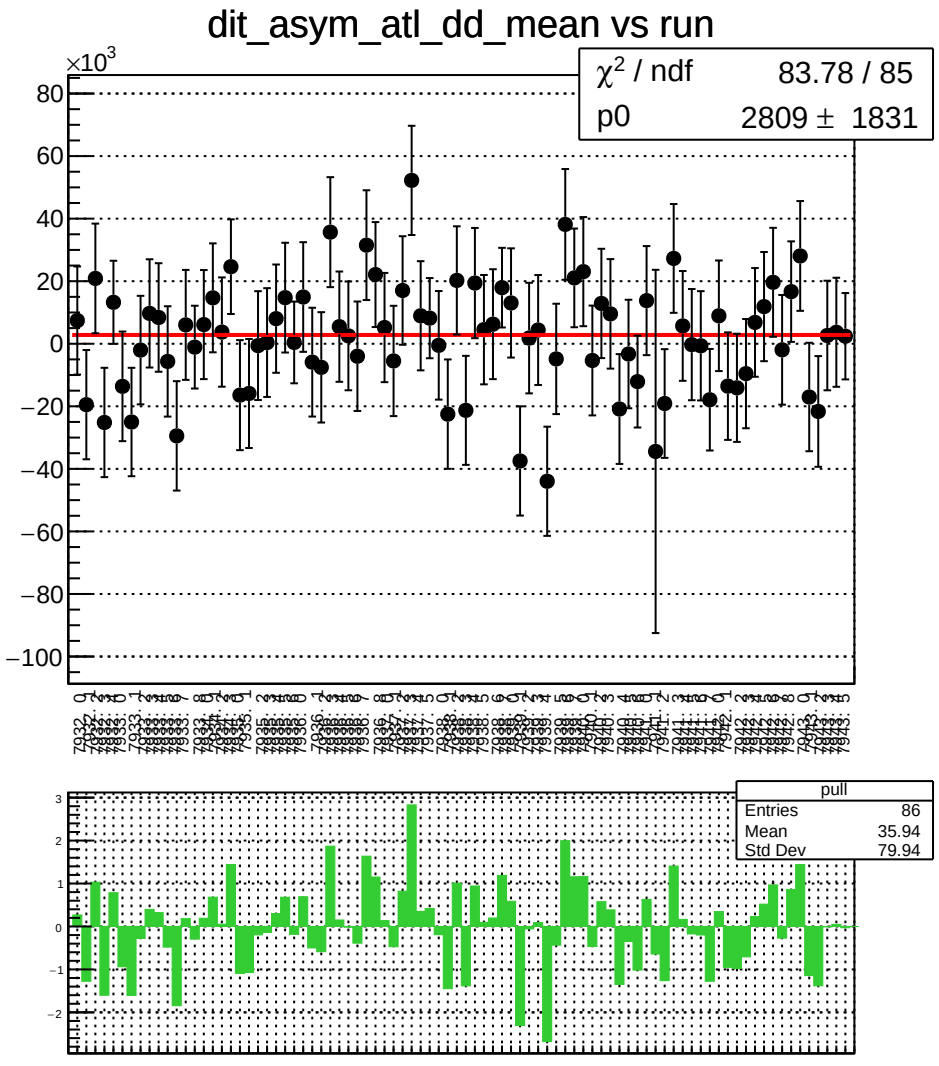

pull1D
Entries 86
Mean 0.004454
Std Dev 1.072

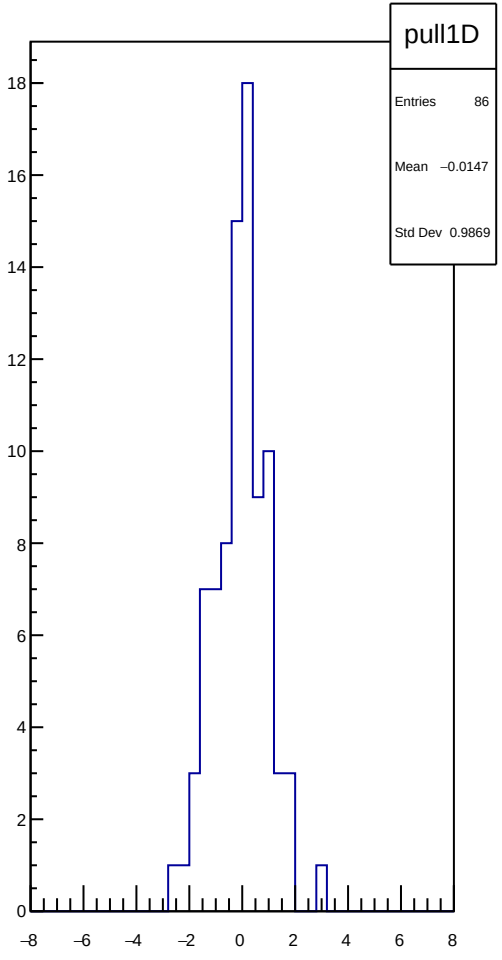

asym_atl_avg_correction_rms vs run
χ² / ndf 2894 / 85
p0 5060 ± 3.935
5800
5600
5400
5200
5000
4800
4600

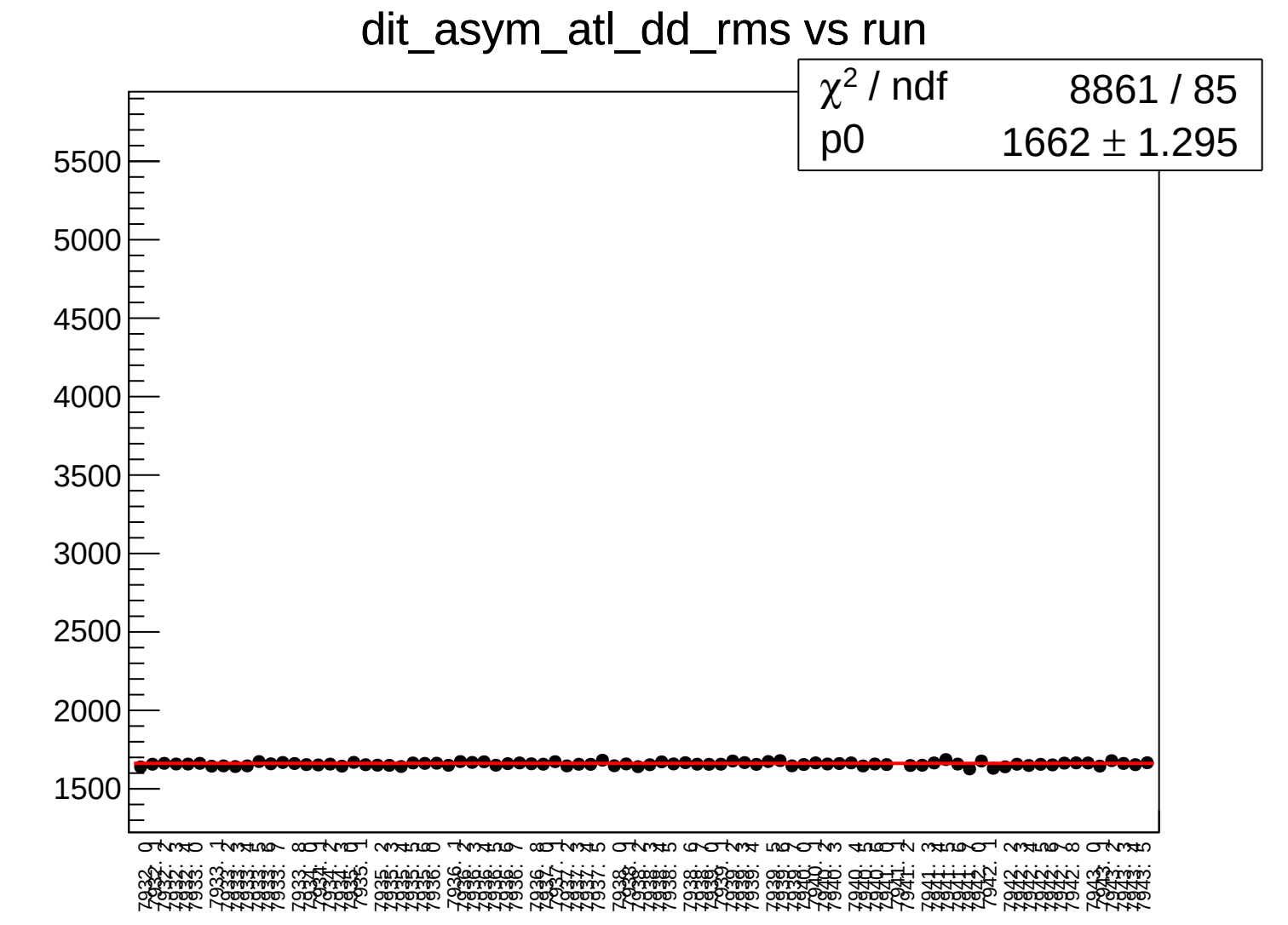

asym_atl_avg_mean vs run
×10^3
χ² / ndf 99.05 / 85
p0 −700.3 ± 5907
200
100
0
−100
−200
pull
Entries 86
Mean −76.59
Std Dev 132.8
3
2
1
0
−1
−2
−3

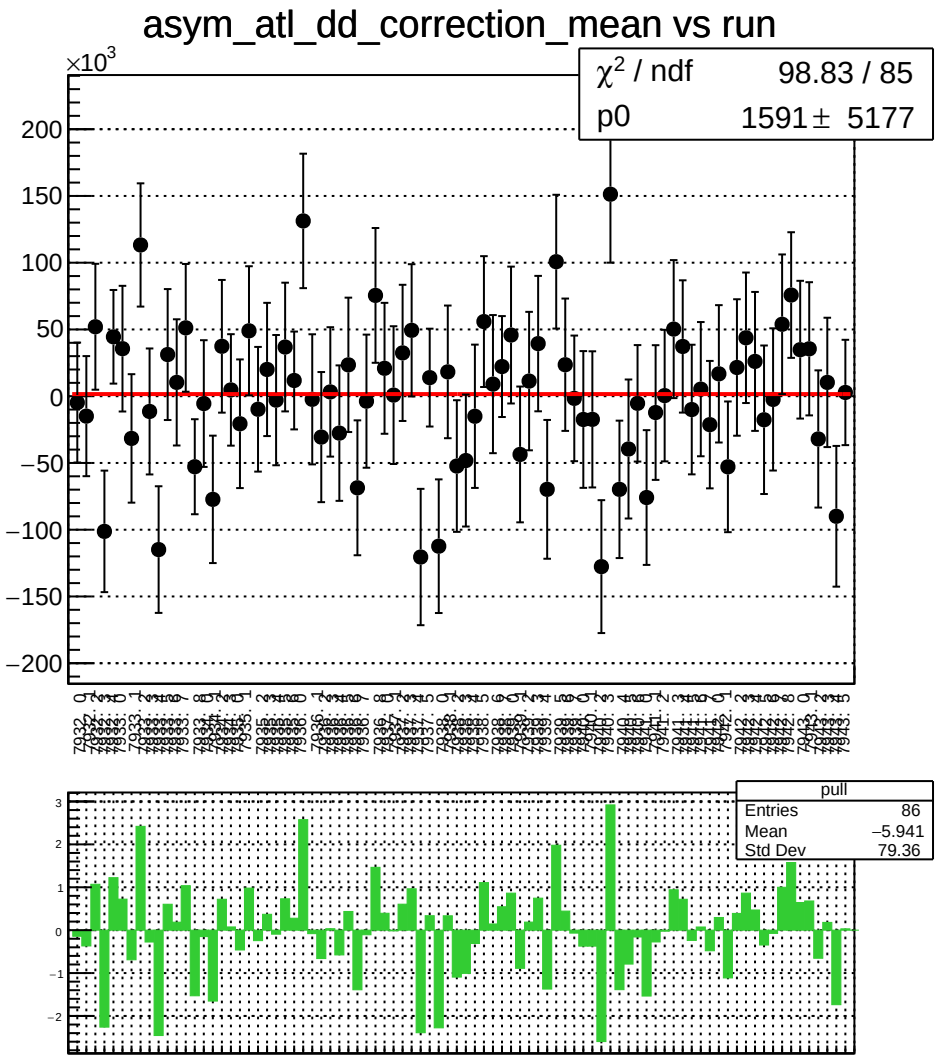

pull1D
Entries 86
Mean −0.01029
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

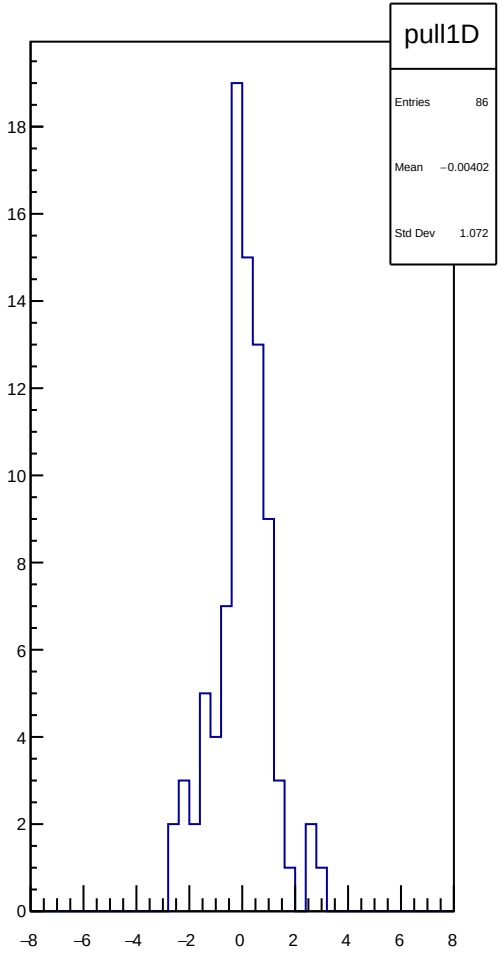

asym_atl_avg_rms vs run
χ^2 / ndf 3961 / 85
p0 5370 ± 4.177
7500
7000
6500
6000
5500
5000

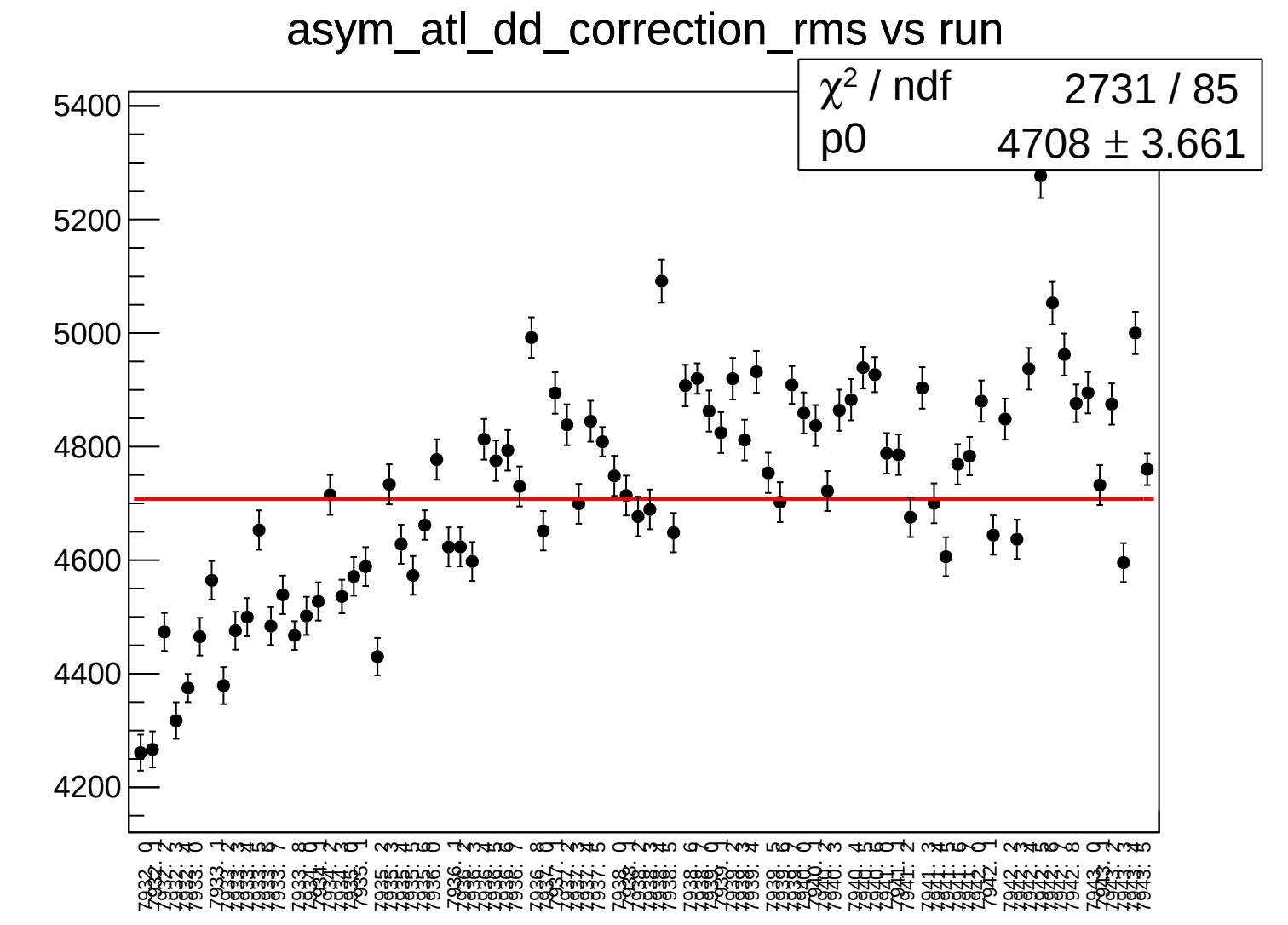

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 83.78 / 85
p0 2809 ± 1831
pull
Entries 86
Mean 35.94
Std Dev 79.94

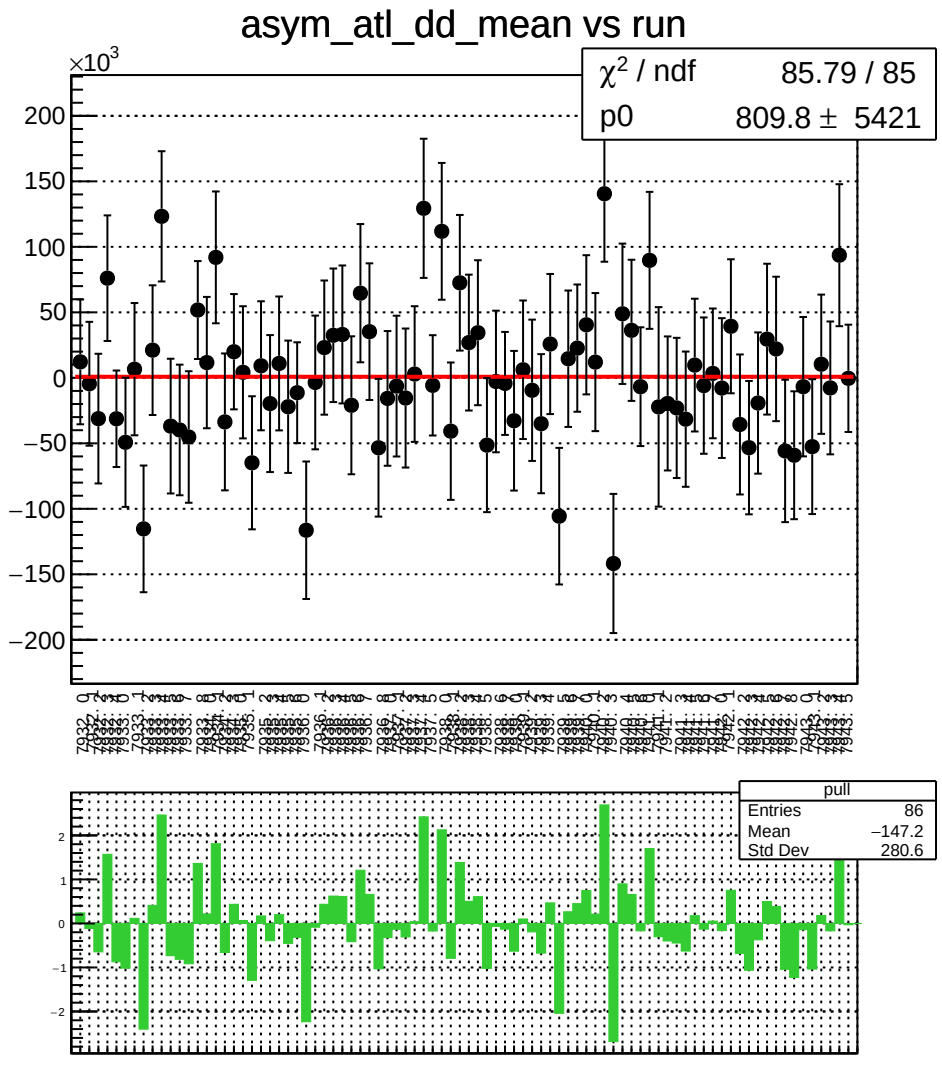

pull1D
Entries 86
Mean −0.0147
Std Dev 0.9869

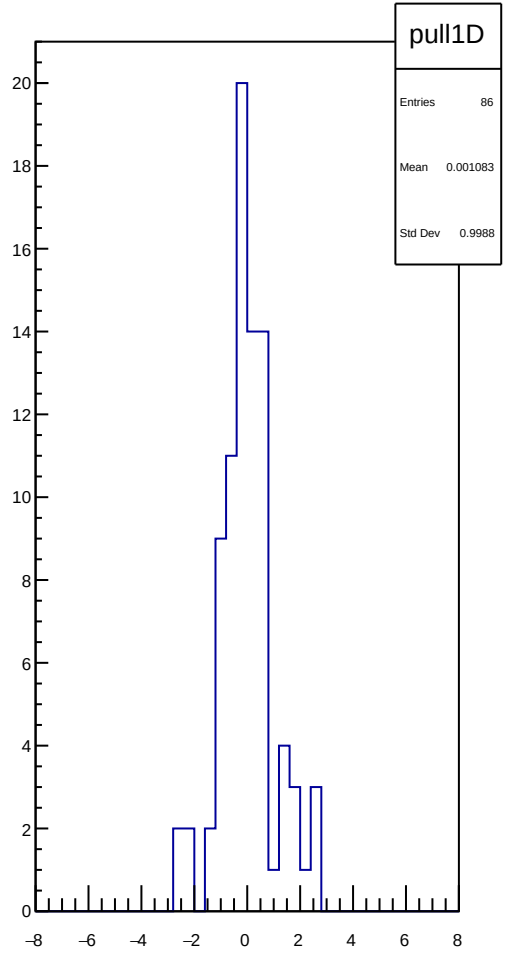

dit_asym_atl_dd_rms vs run
χ² / ndf 8861 / 85
p0 1662 ± 1.295
5500
5000
4500
4000
3500
3000
2500
2000
1500

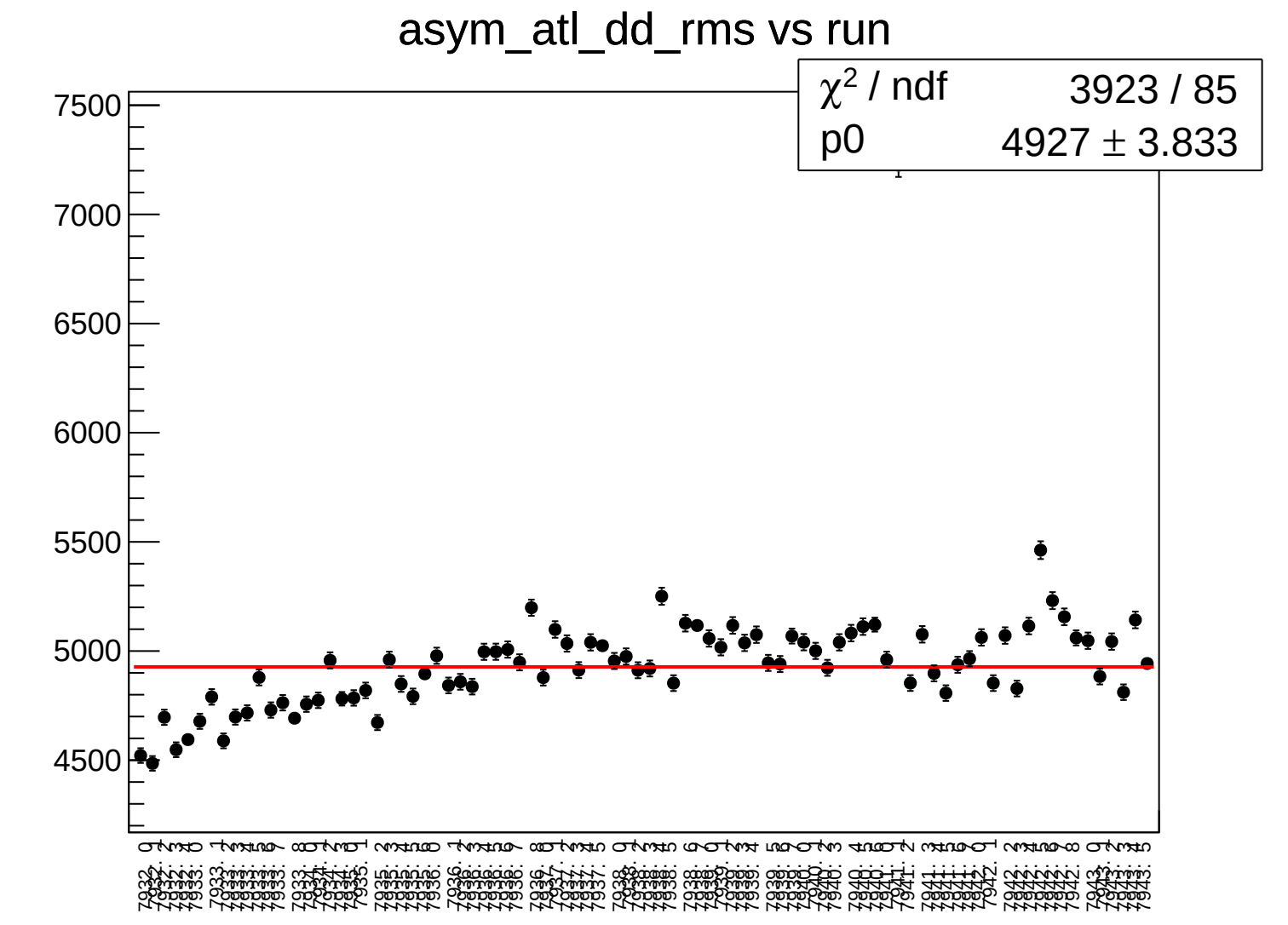

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 98.83 / 85
p0 1591 ± 5177
pull
Entries 86
Mean −5.941
Std Dev 79.36

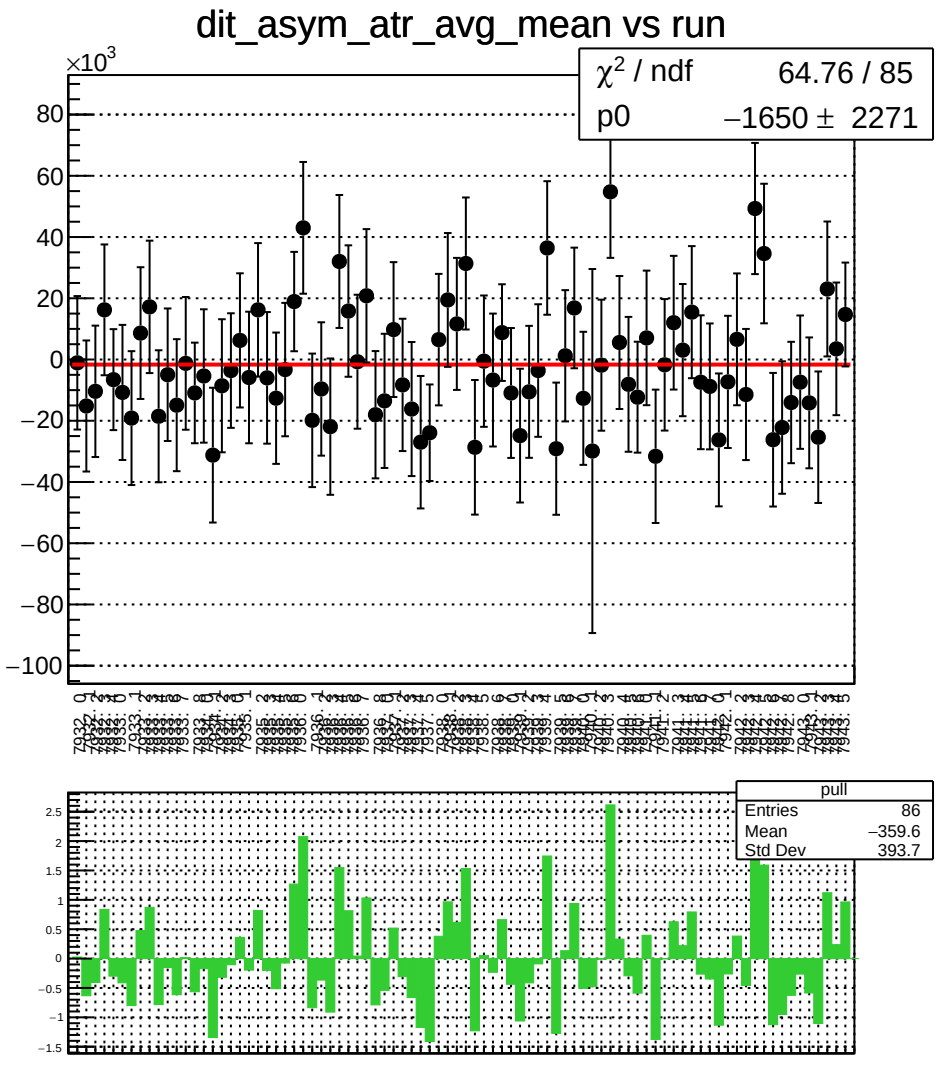

pull1D
Entries 86
Mean −0.00402
Std Dev 1.072

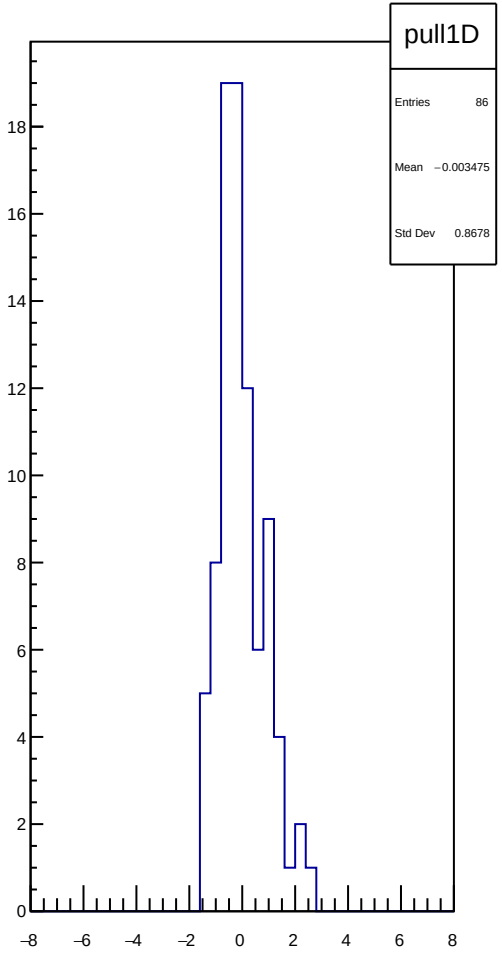

asym_atl_dd_correction_rms vs run
χ² / ndf 2731 / 85
p0 4708 ± 3.661
5400
5200
5000
4800
4600
4400
4200

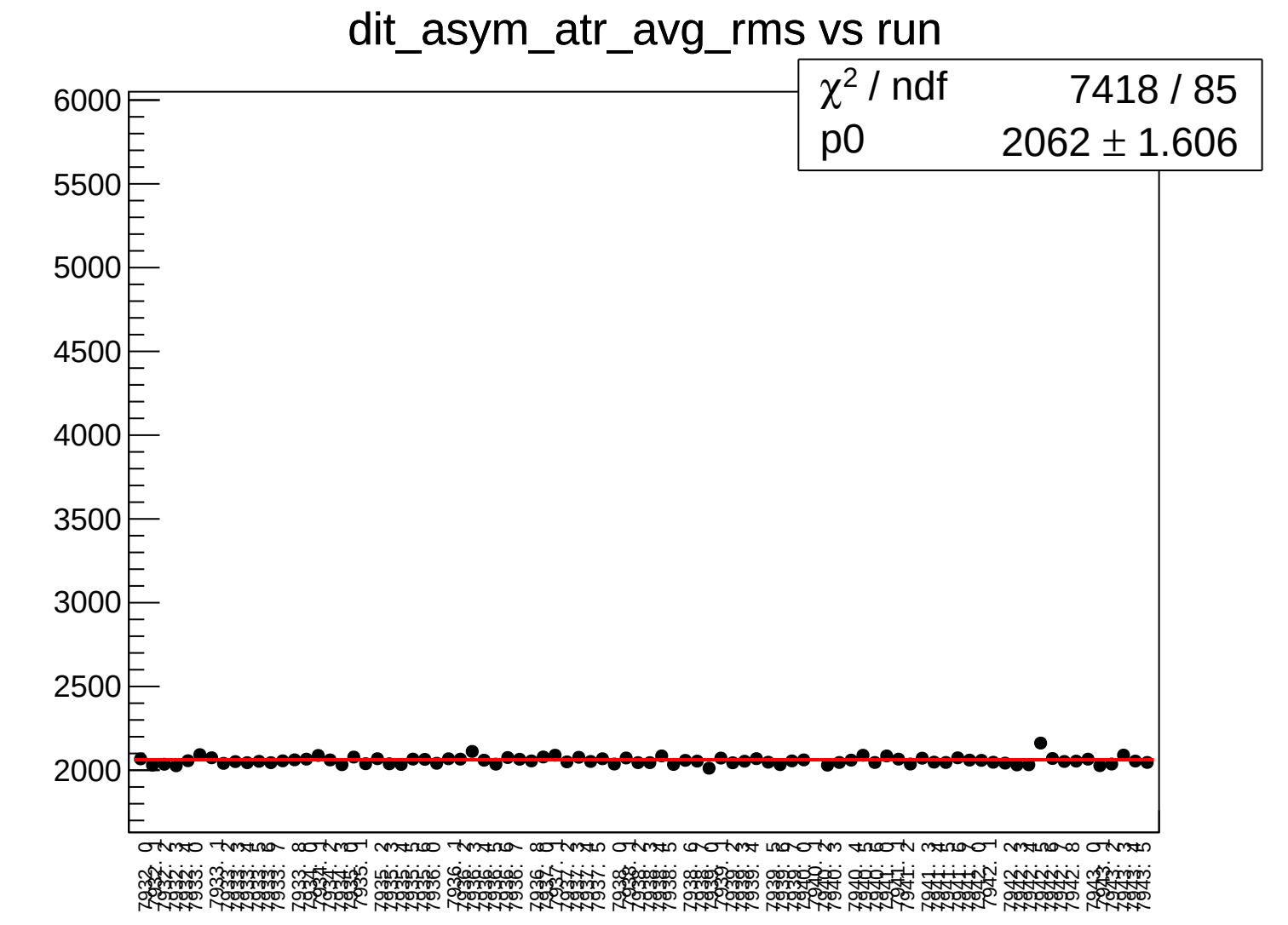

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 85.79 / 85
p0 809.8 ± 5421
pull
Entries 86
Mean −147.2
Std Dev 280.6

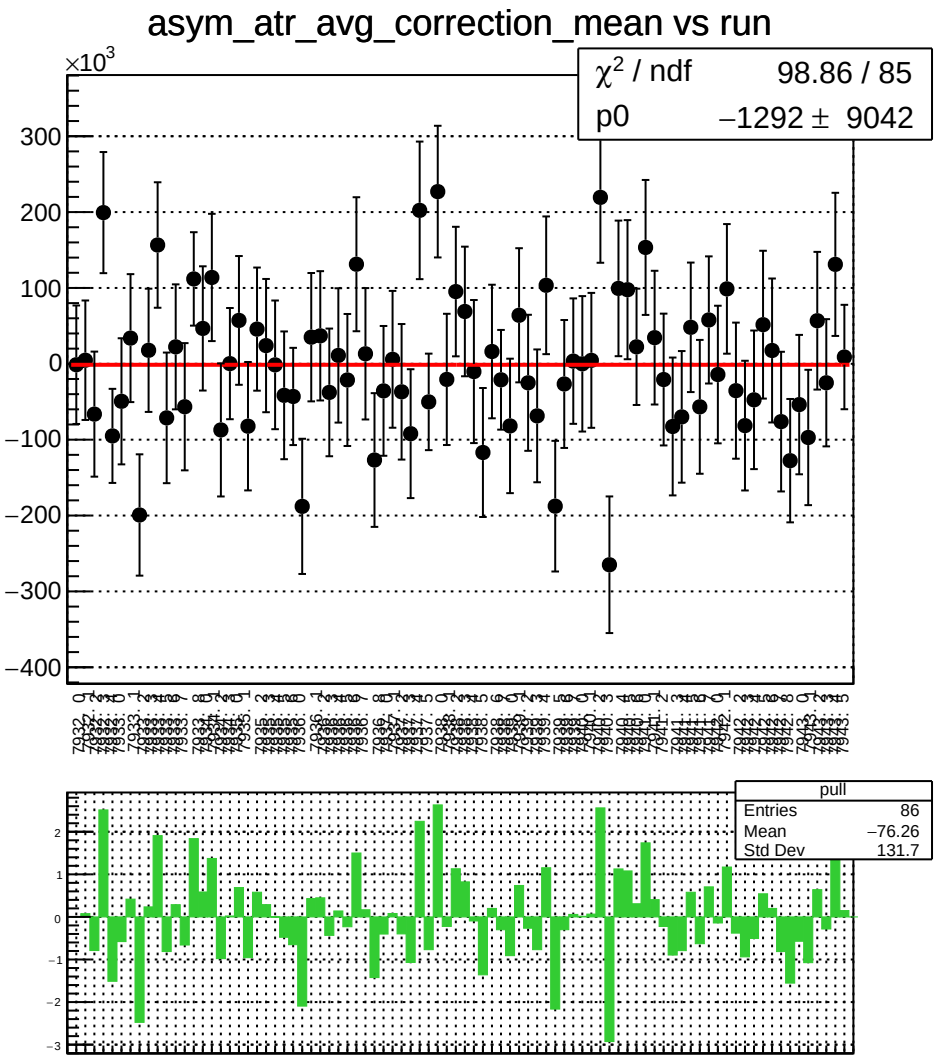

pull1D
Entries 86
Mean 0.001083
Std Dev 0.9988

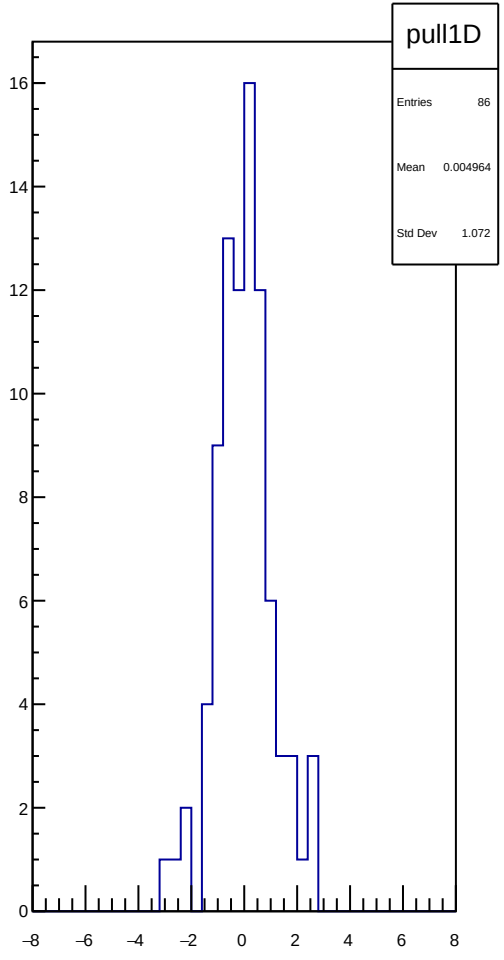

asym_atl_dd_rms vs run
χ² / ndf 3923 / 85
p0 4927 ± 3.833
7500
7000
6500
6000
5500
5000
4500

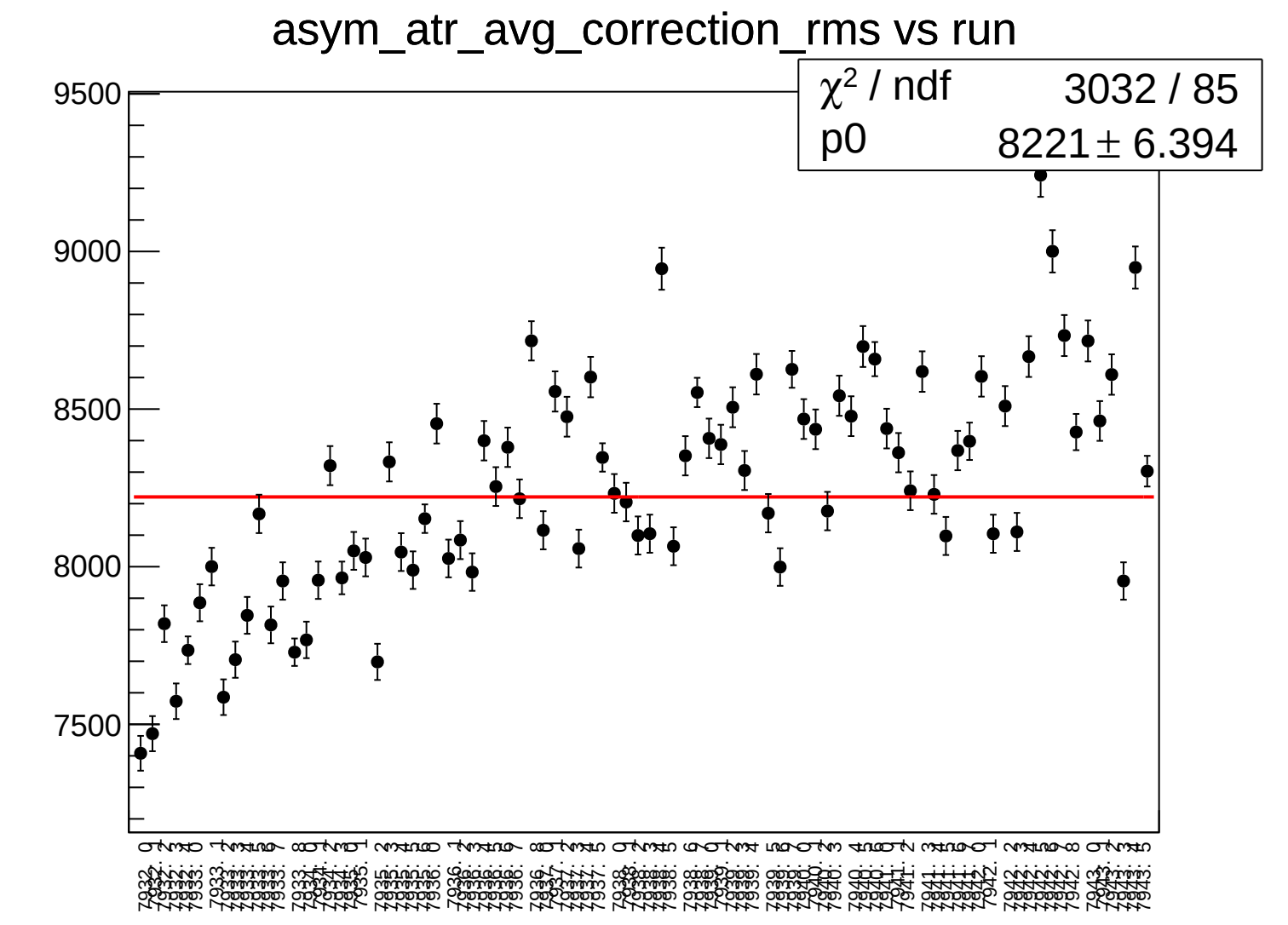

dit_asym_atr_avg_mean vs run
χ² / ndf 64.76 / 85
p0 −1650 ± 2271
pull
Entries 86
Mean −359.6
Std Dev 393.7

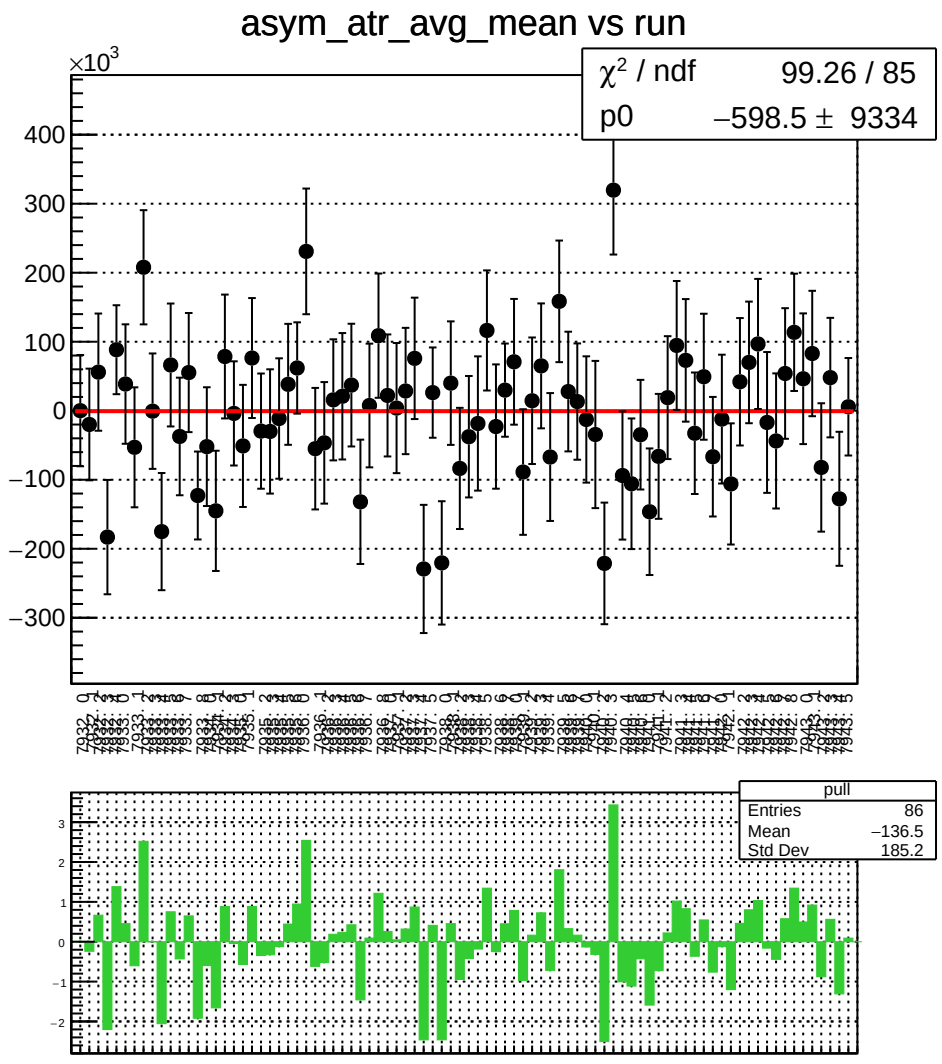

pull1D
Entries 86
Mean −0.003475
Std Dev 0.8678

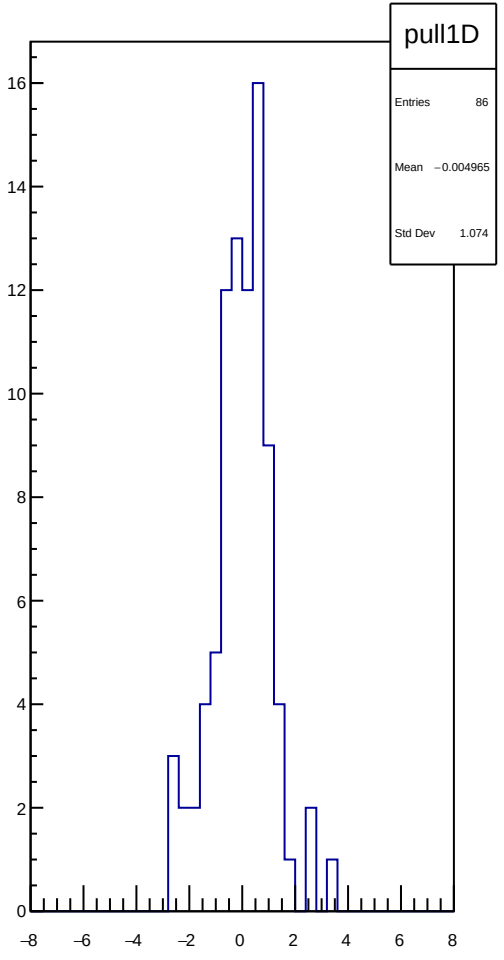

dit_asym_atr_avg_rms vs run
χ² / ndf 7418 / 85
p0 2062 ± 1.606
6000
5500
5000
4500
4000
3500
3000
2500
2000

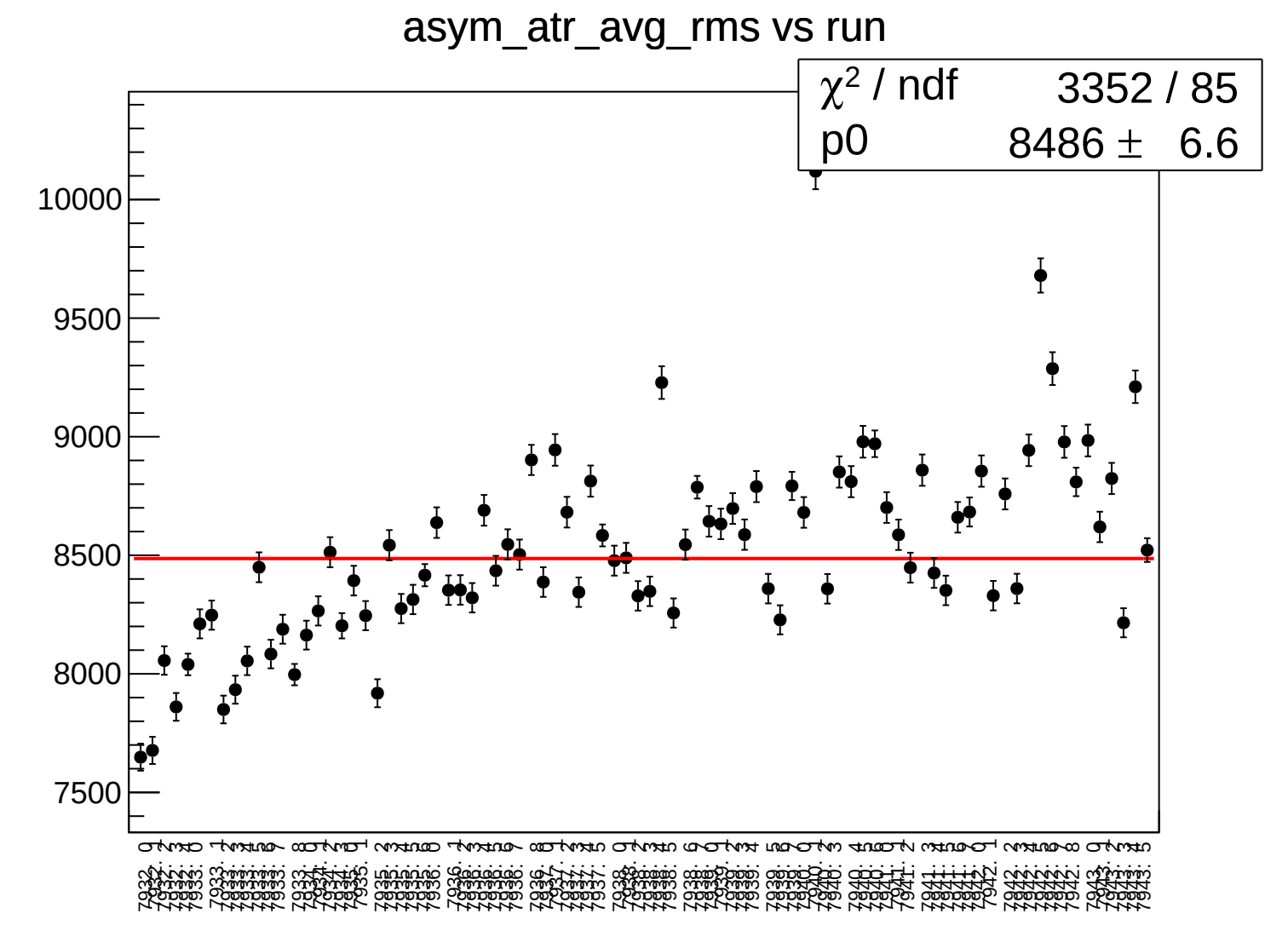

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 98.86 / 85
p0 −1292 ± 9042
pull
Entries 86
Mean −76.26
Std Dev 131.7

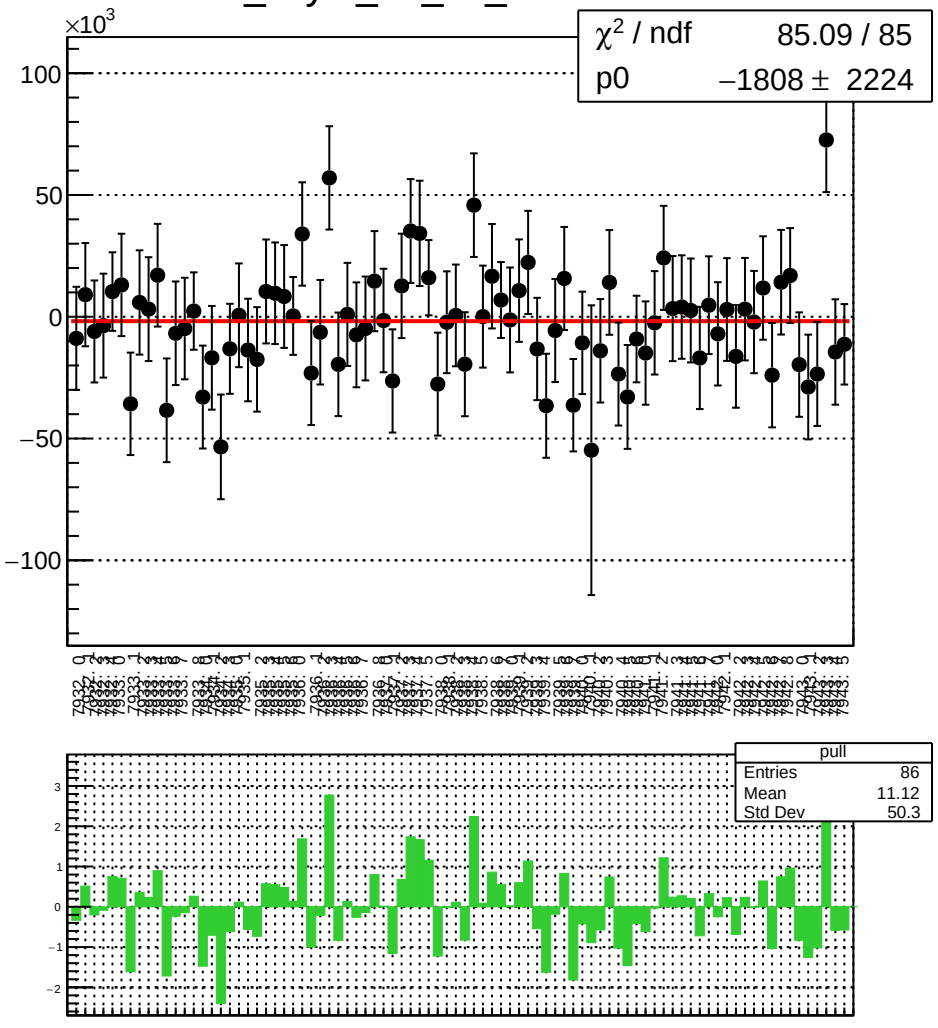

pull1D
Entries 86
Mean 0.004964
Std Dev 1.072

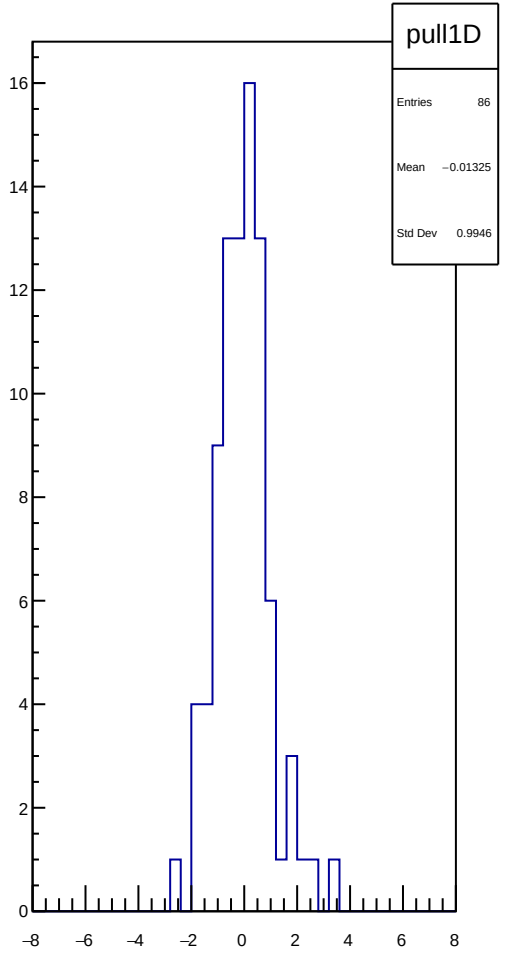

asym_atr_avg_correction_rms vs run
χ² / ndf 3032 / 85
p0 8221 ± 6.394
9500
9000
8500
8000
7500

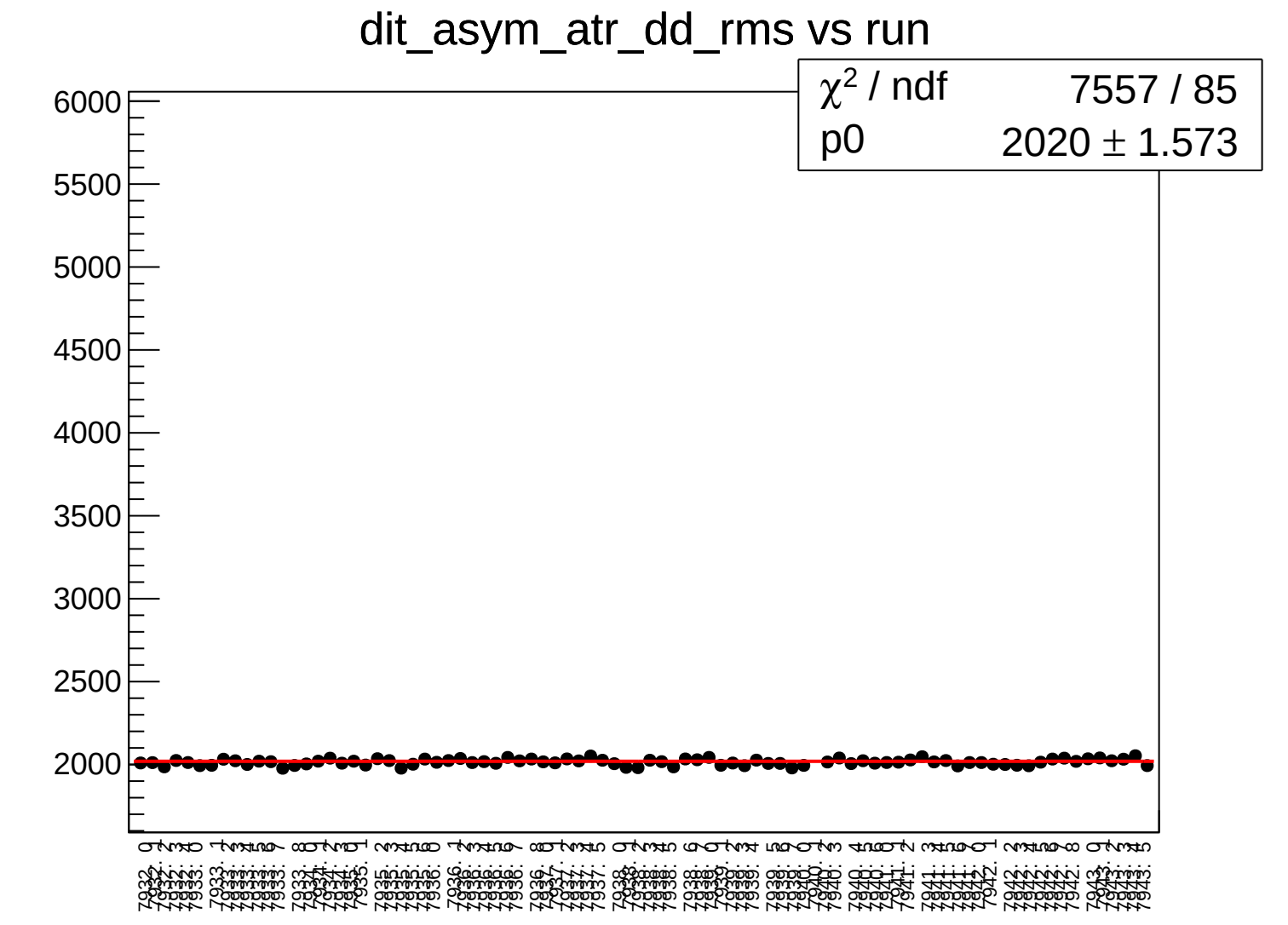

asym_atr_avg_mean vs run
×10^3
χ² / ndf 99.26 / 85
p0 −598.5 ± 9334
pull
Entries 86
Mean −136.5
Std Dev 185.2

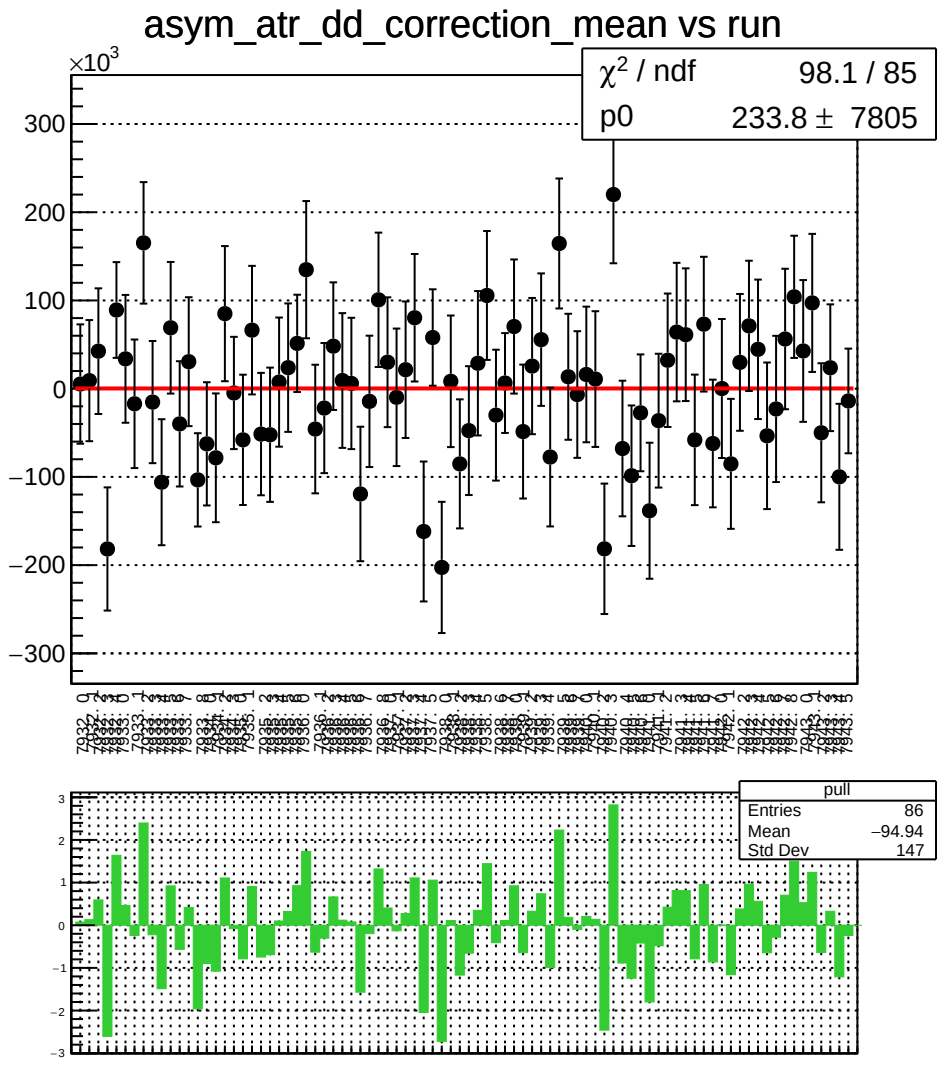

pull1D
Entries 86
Mean −0.004965
Std Dev 1.074

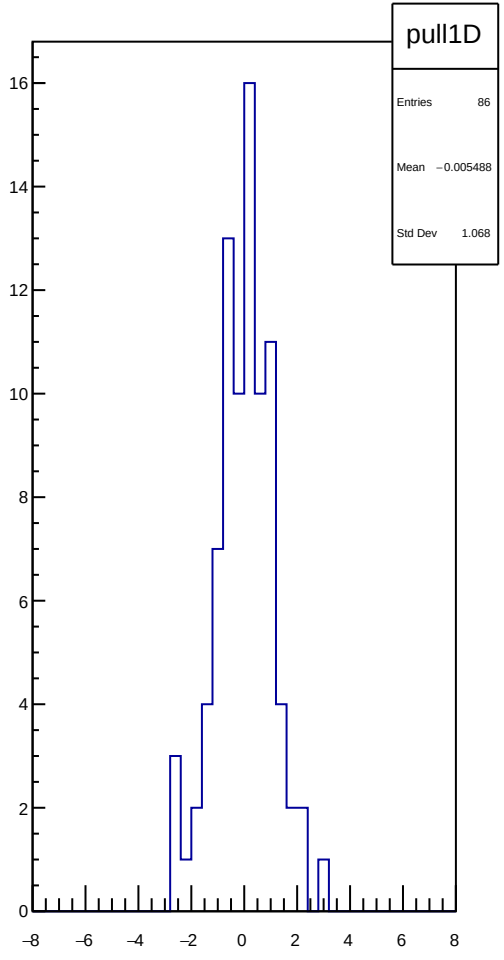

asym_atr_avg_rms vs run
χ² / ndf 3352 / 85
p0 8486 ± 6.6
10000
9500
9000
8500
8000
7500

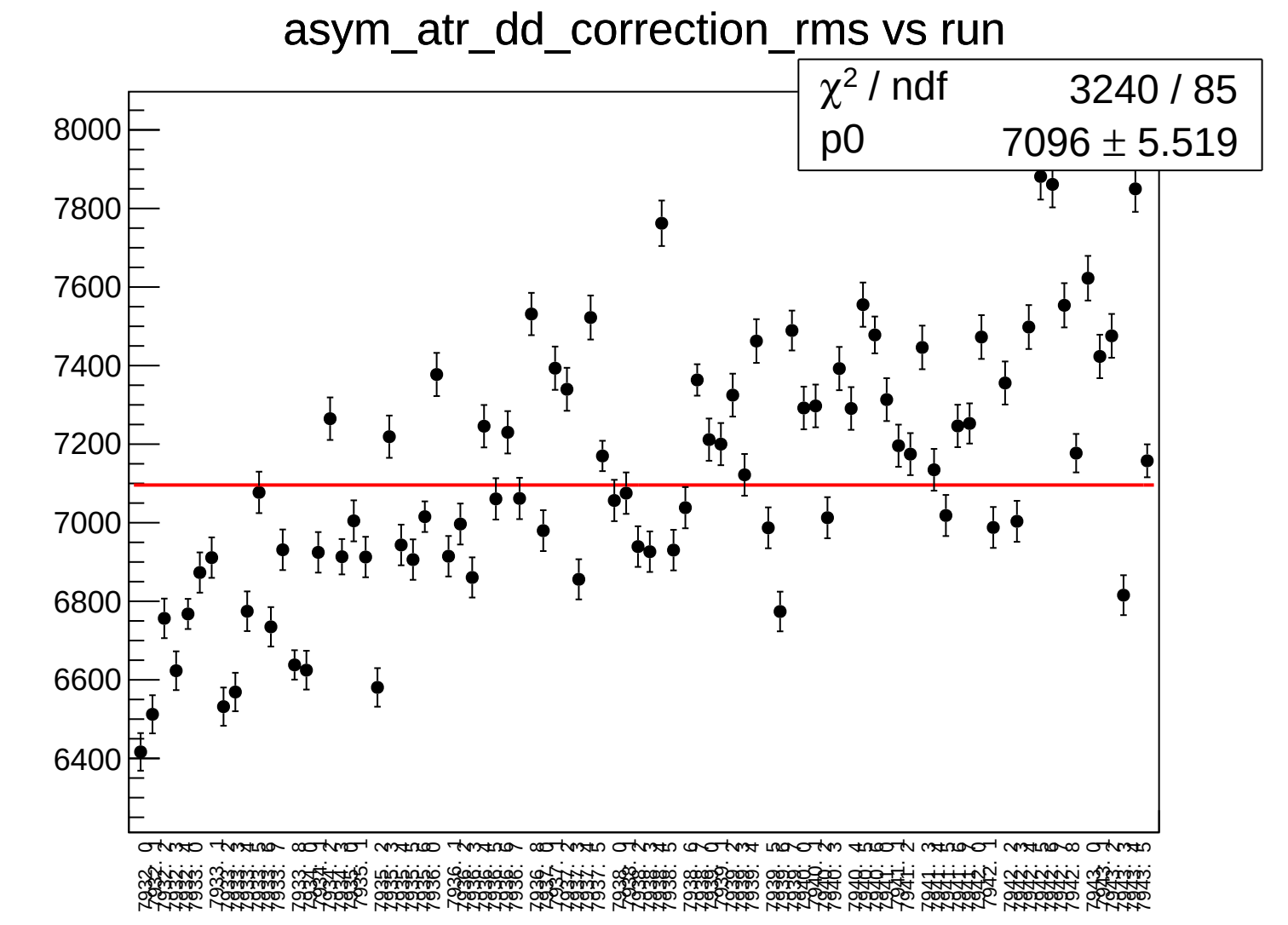

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 85.09 / 85
p0 −1808 ± 2224
100
50
0
−50
−100
pull
Entries 86
Mean 11.12
Std Dev 50.3
3
2
1
0
−1
−2

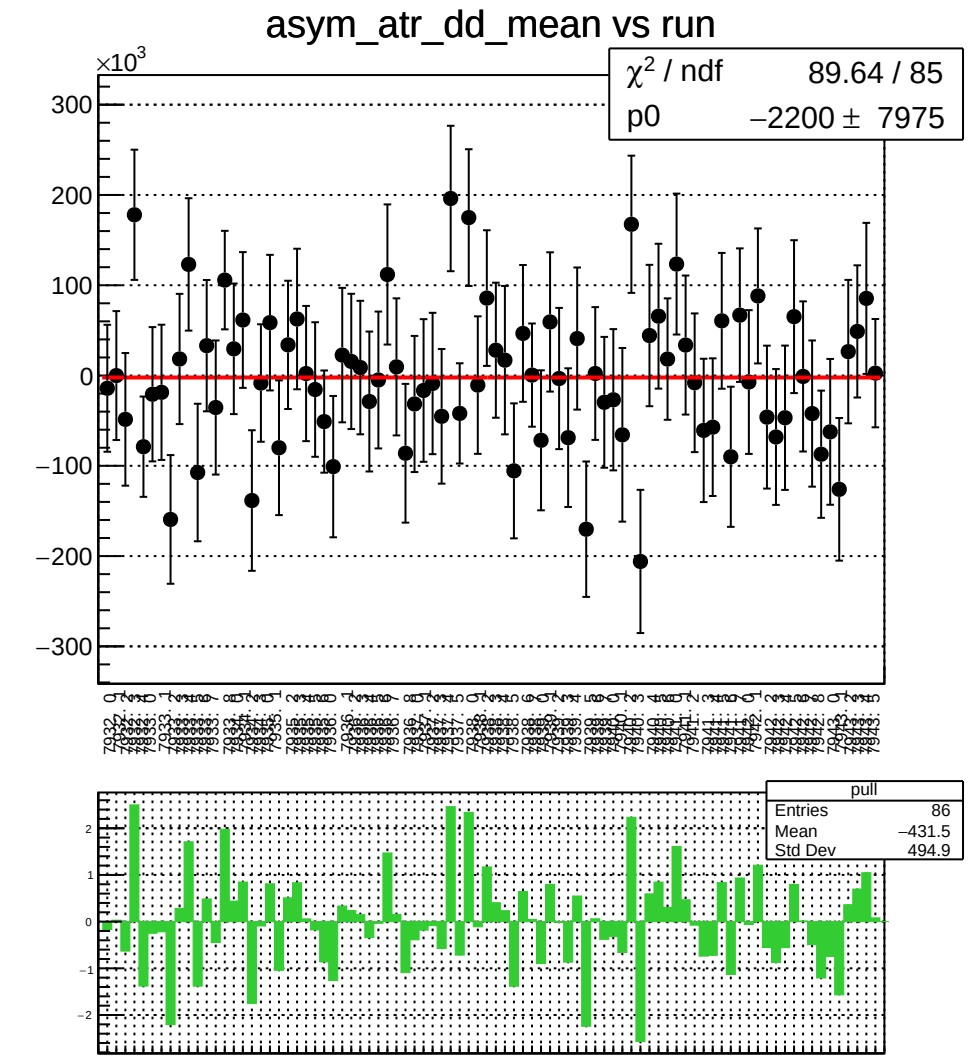

pull1D
Entries 86
Mean −0.01325
Std Dev 0.9946
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

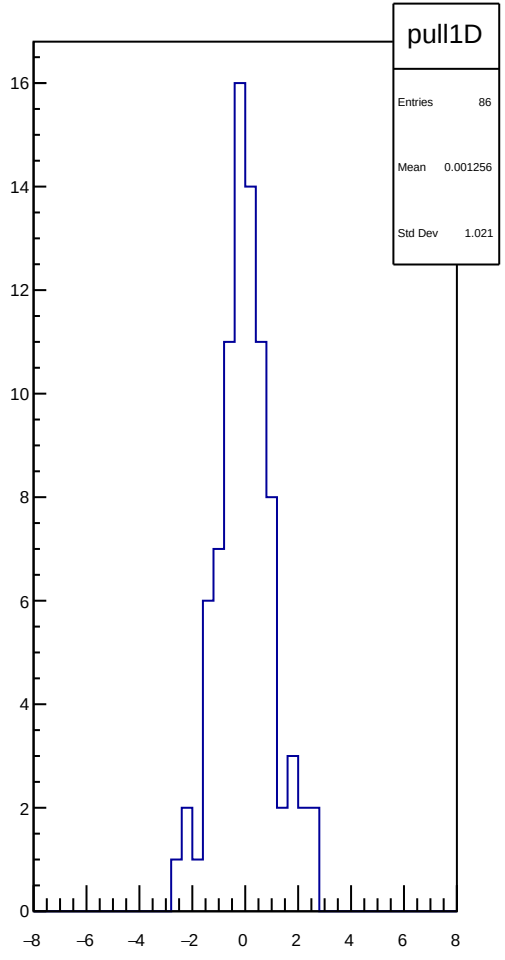

dit_asym_atr_dd_rms vs run
χ^2 / ndf 7557 / 85
p0 2020 ± 1.573
6000
5500
5000
4500
4000
3500
3000
2500
2000

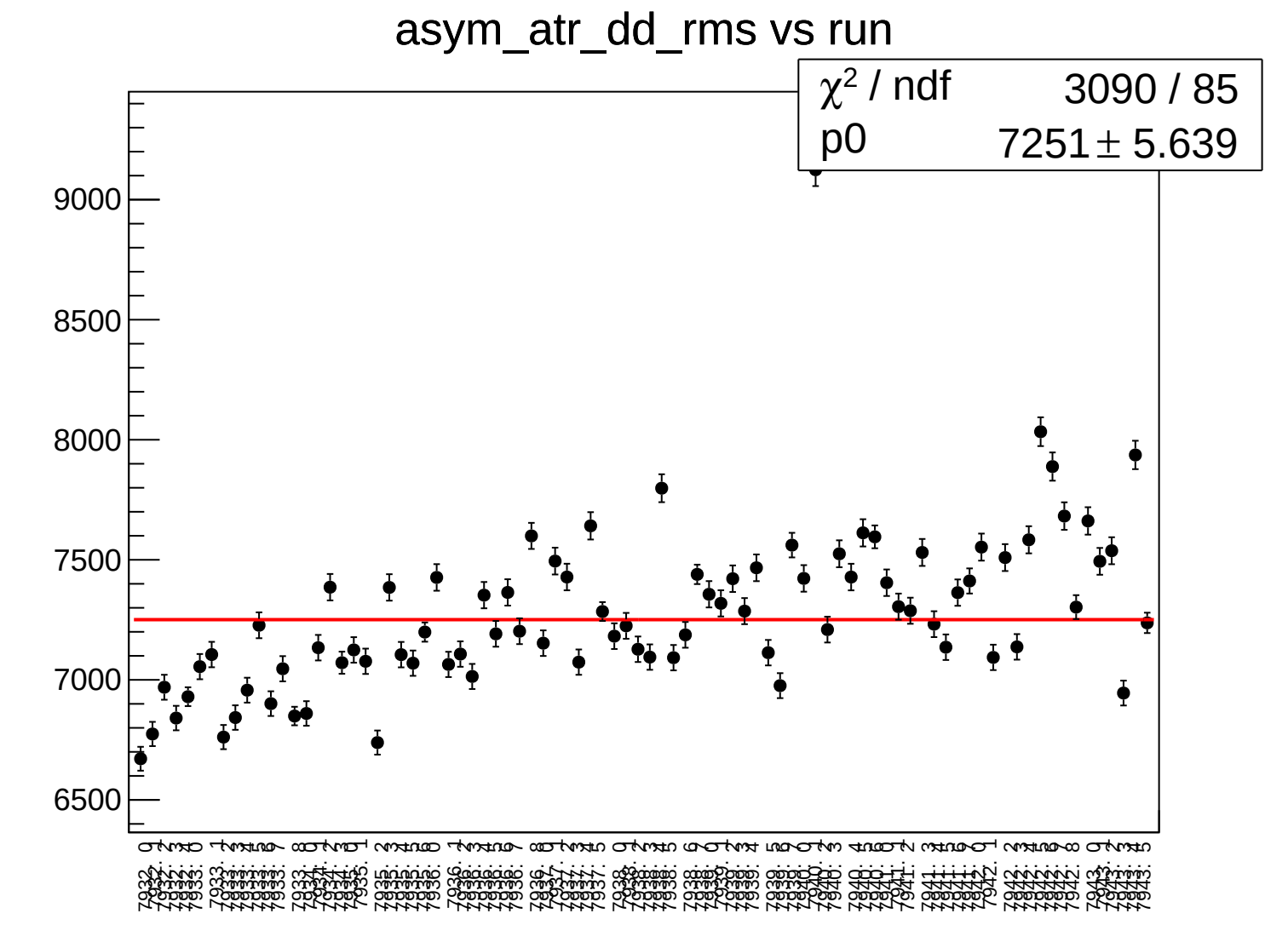

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 98.1 / 85
p0 233.8 ± 7805
pull
Entries 86
Mean −94.94
Std Dev 147

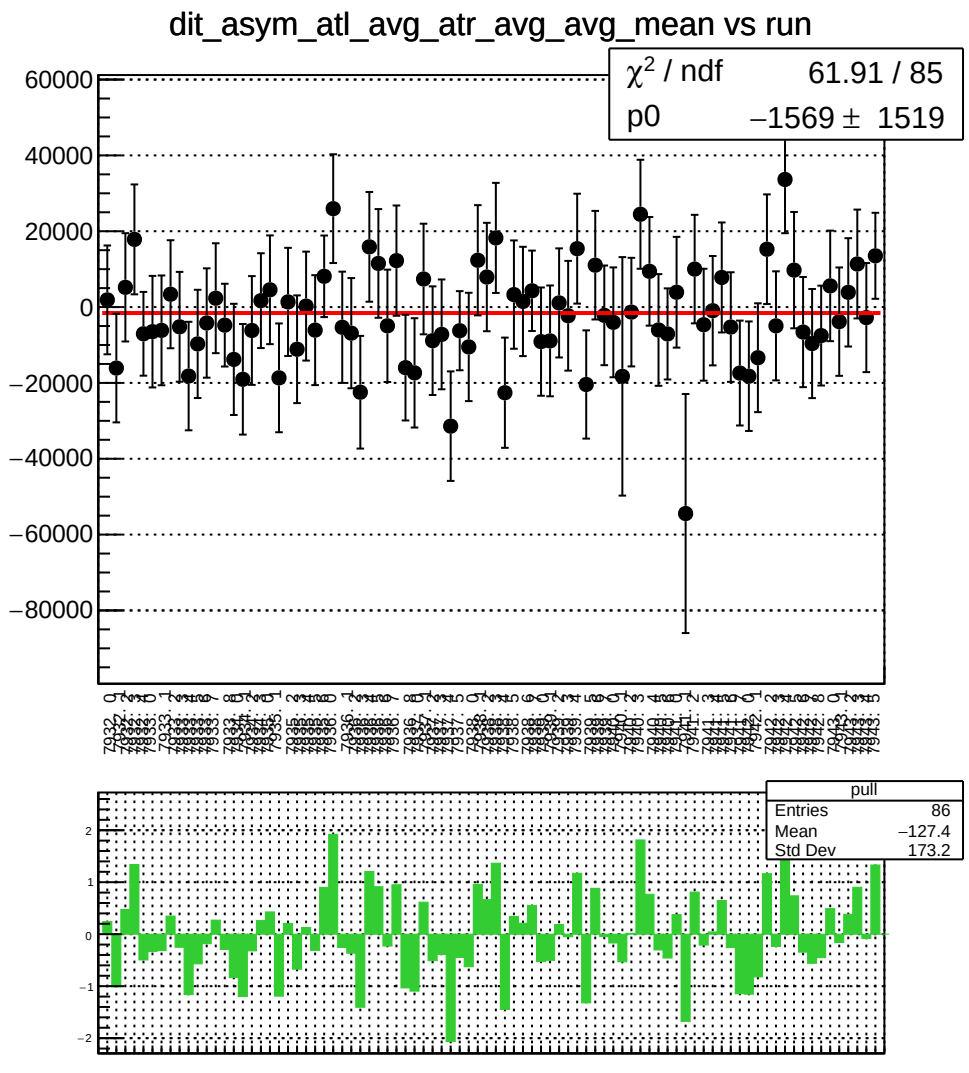

pull1D
Entries 86
Mean −0.005488
Std Dev 1.068

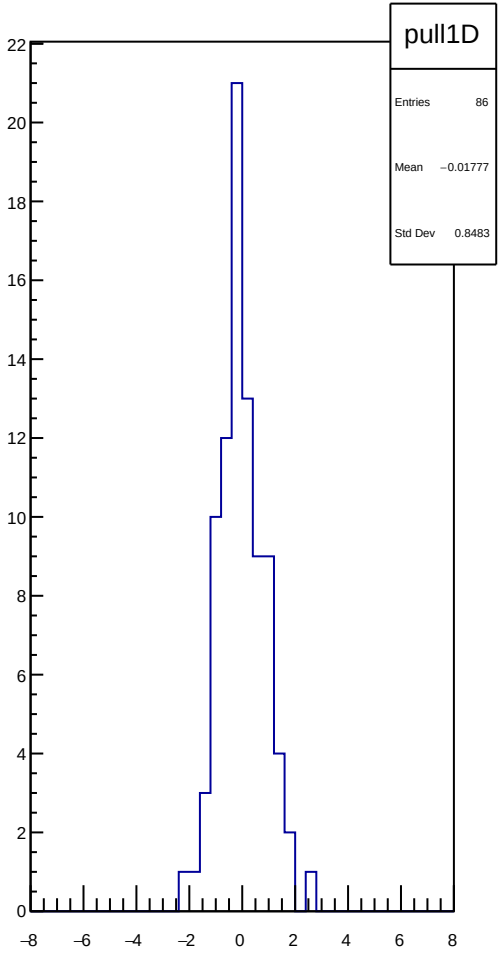

asym_atr_dd_correction_rms vs run
χ² / ndf 3240 / 85
p0 7096 ± 5.519
8000
7800
7600
7400
7200
7000
6800
6600
6400

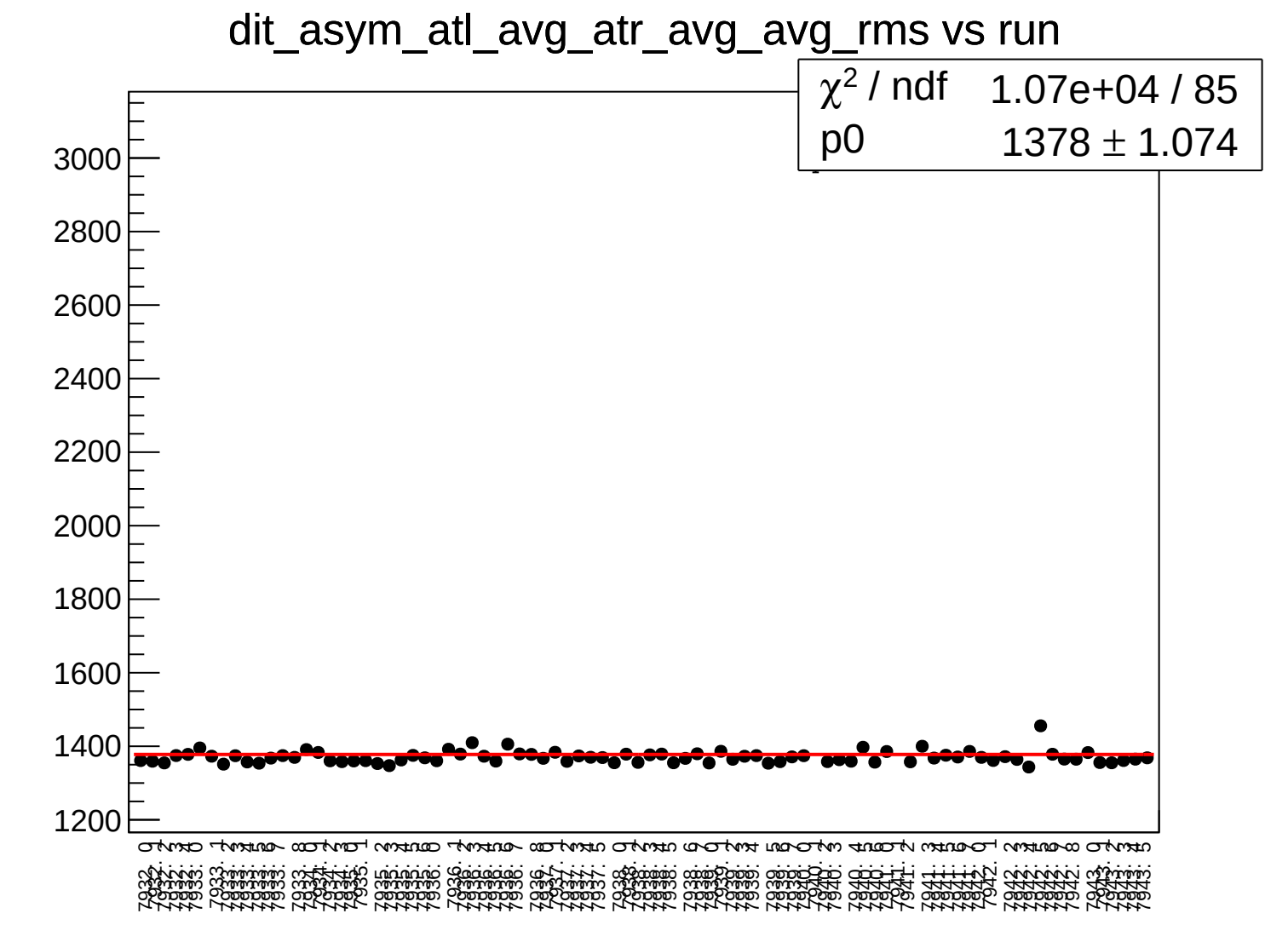

asym_atr_dd_mean vs run
×10^3
χ² / ndf 89.64 / 85
p0 −2200 ± 7975
300
200
100
0
−100
−200
−300
pull
Entries 86
Mean −431.5
Std Dev 494.9
2
1
0
−1
−2

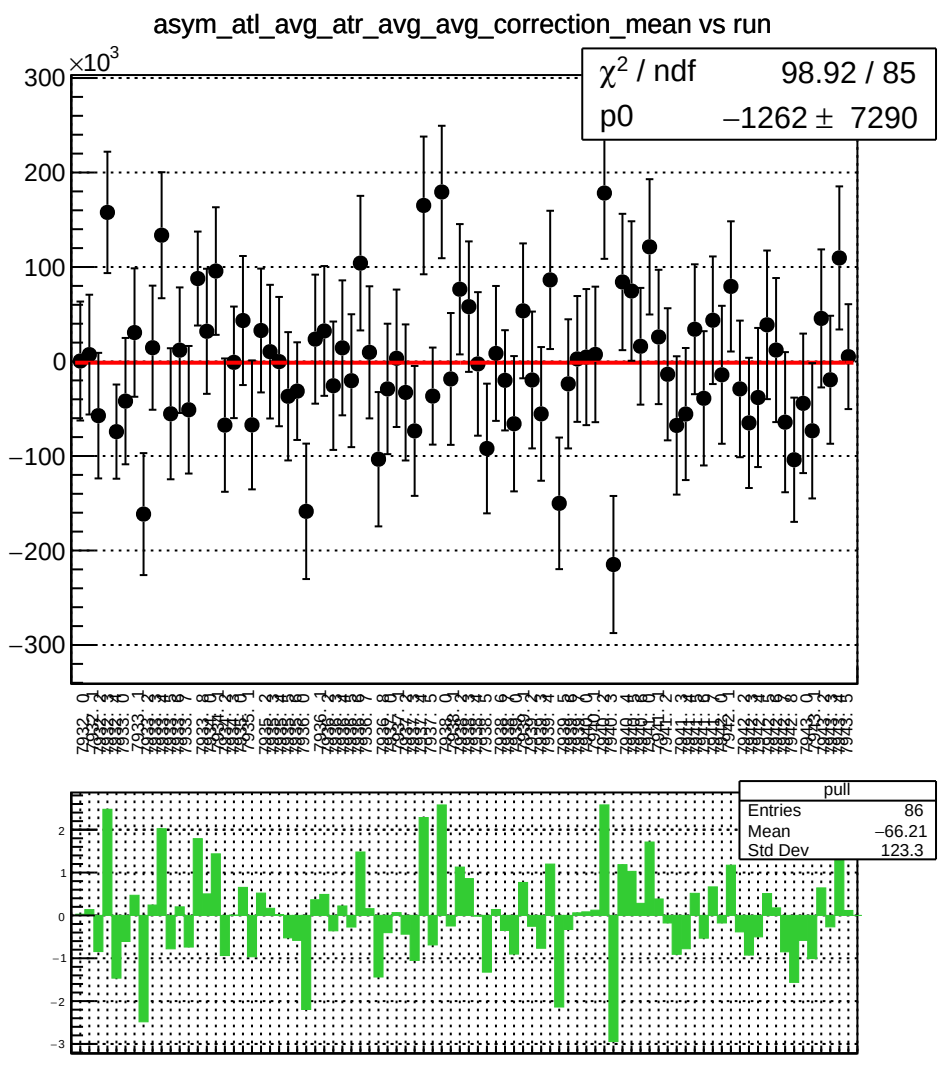

pull1D
Entries 86
Mean 0.001256
Std Dev 1.021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

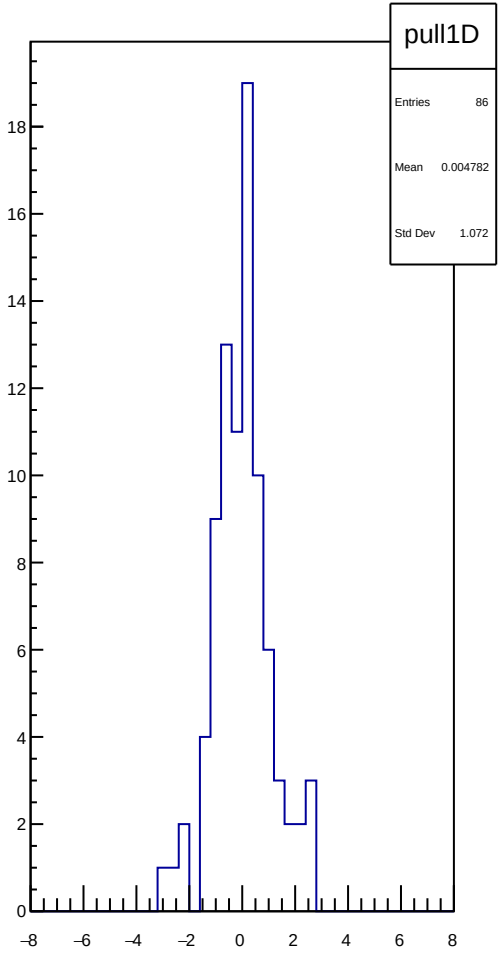

asym_atr_dd_rms vs run
χ^2 / ndf 3090 / 85
p0 7251 ± 5.639
9000
8500
8000
7500
7000
6500

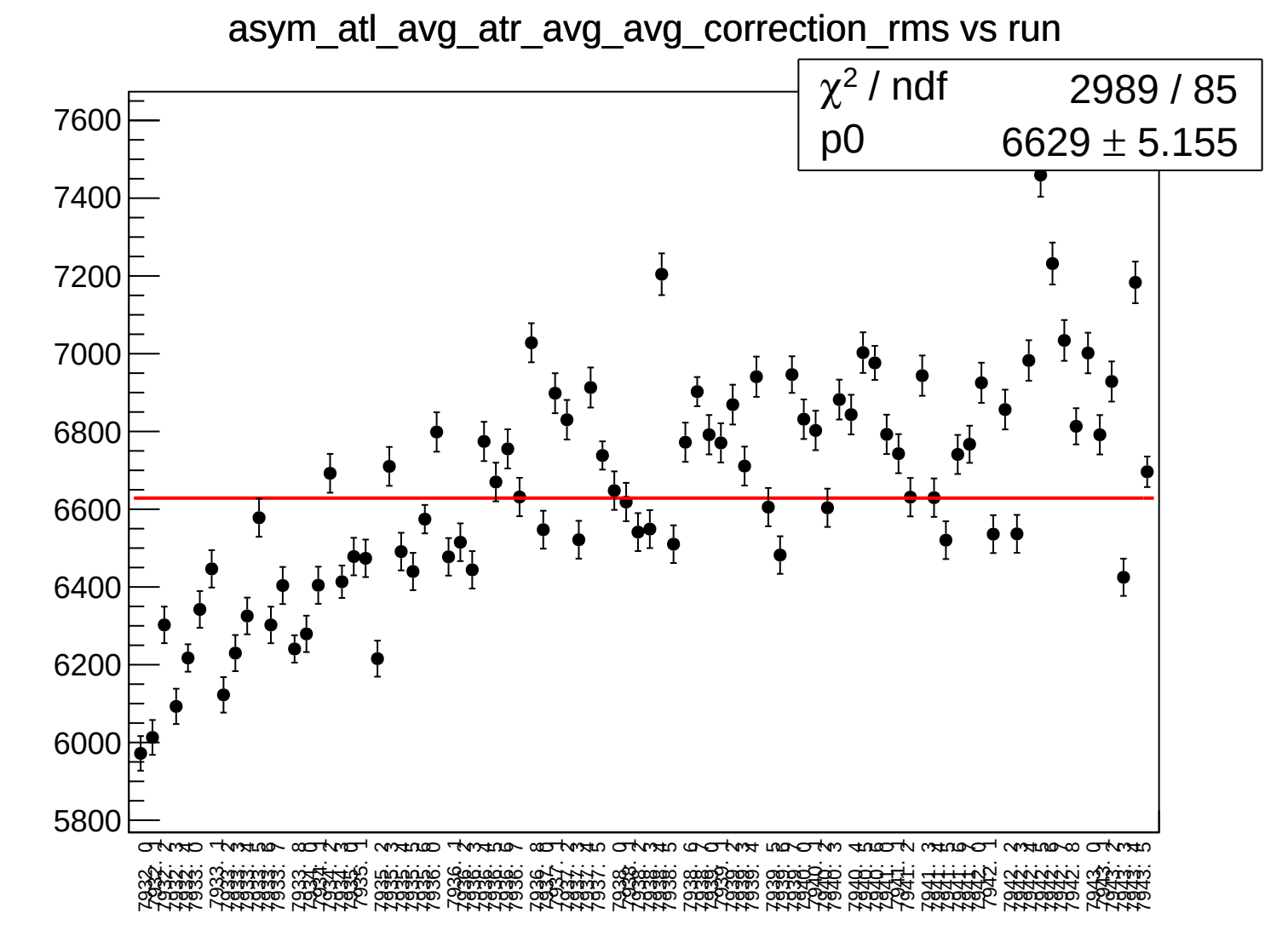

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 61.91 / 85
p0 −1569 ± 1519
pull
Entries 86
Mean −127.4
Std Dev 173.2

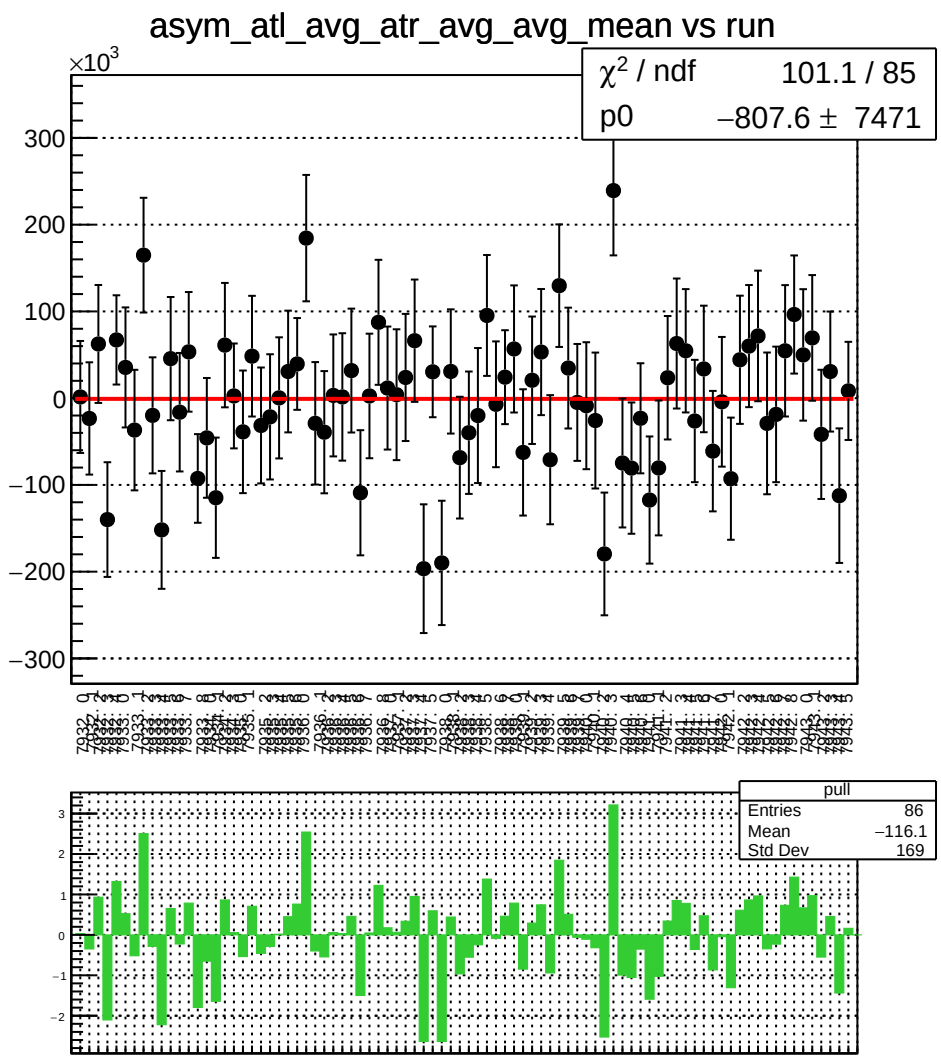

pull1D
Entries 86
Mean −0.01777
Std Dev 0.8483

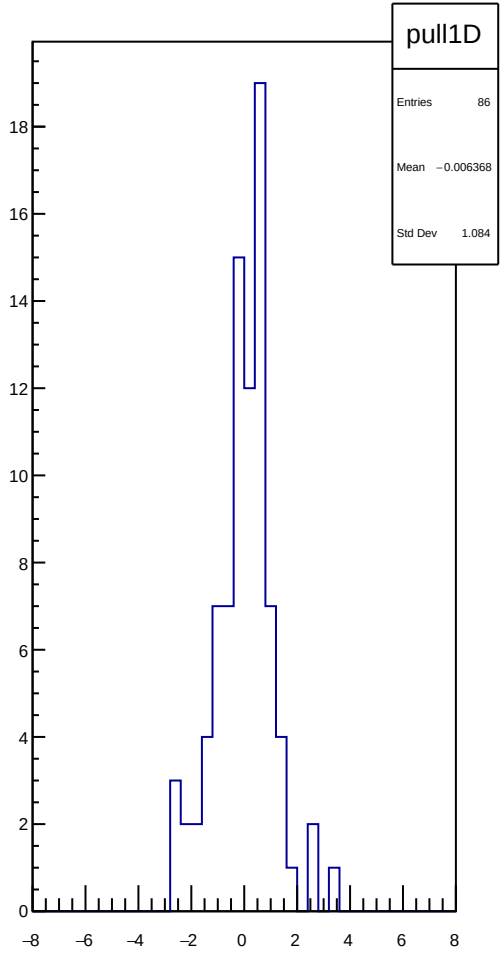

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.07e+04 / 85
p0 1378 ± 1.074
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

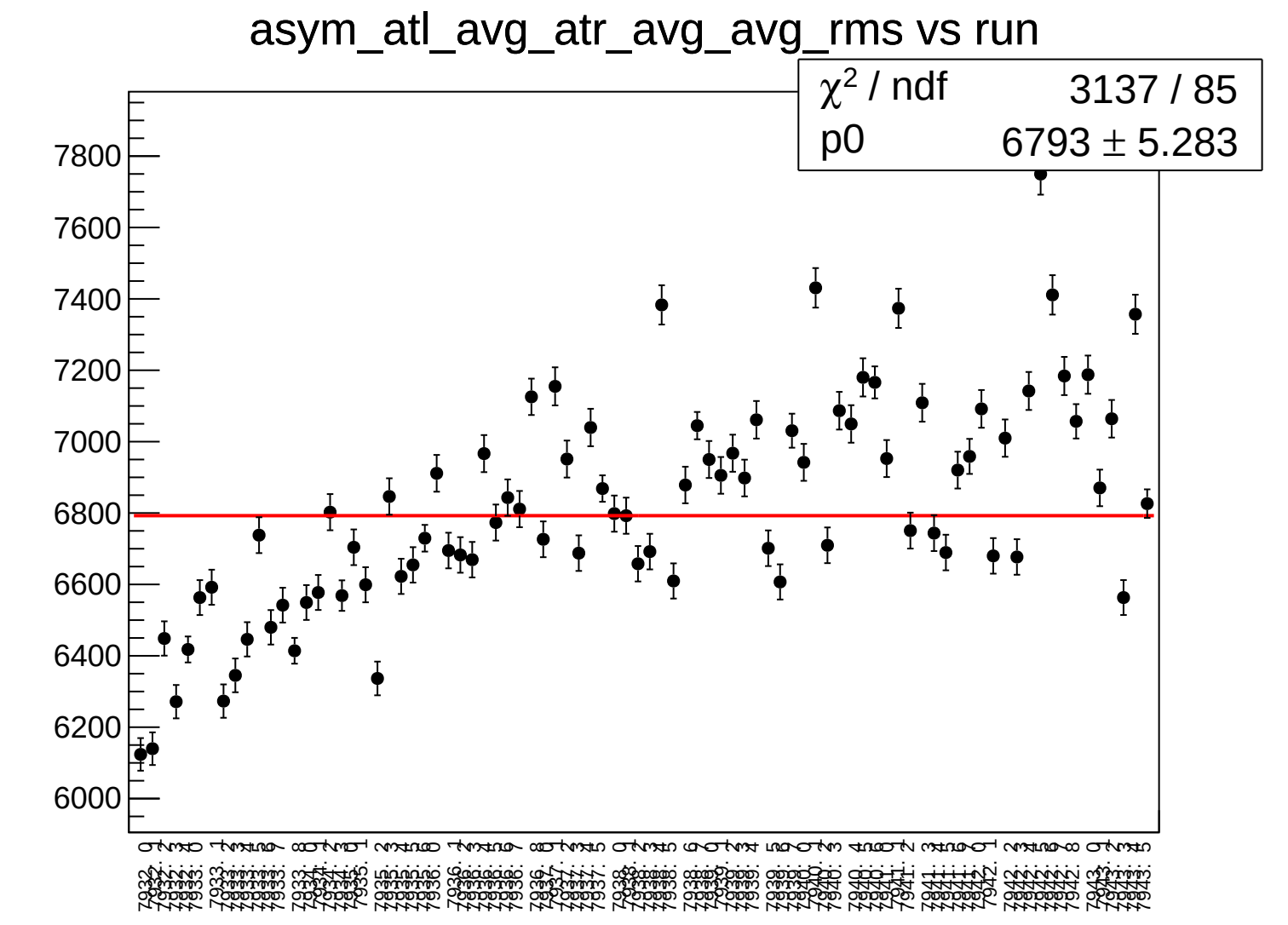

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 98.92 / 85
p0 −1262 ± 7290
pull
Entries 86
Mean −66.21
Std Dev 123.3

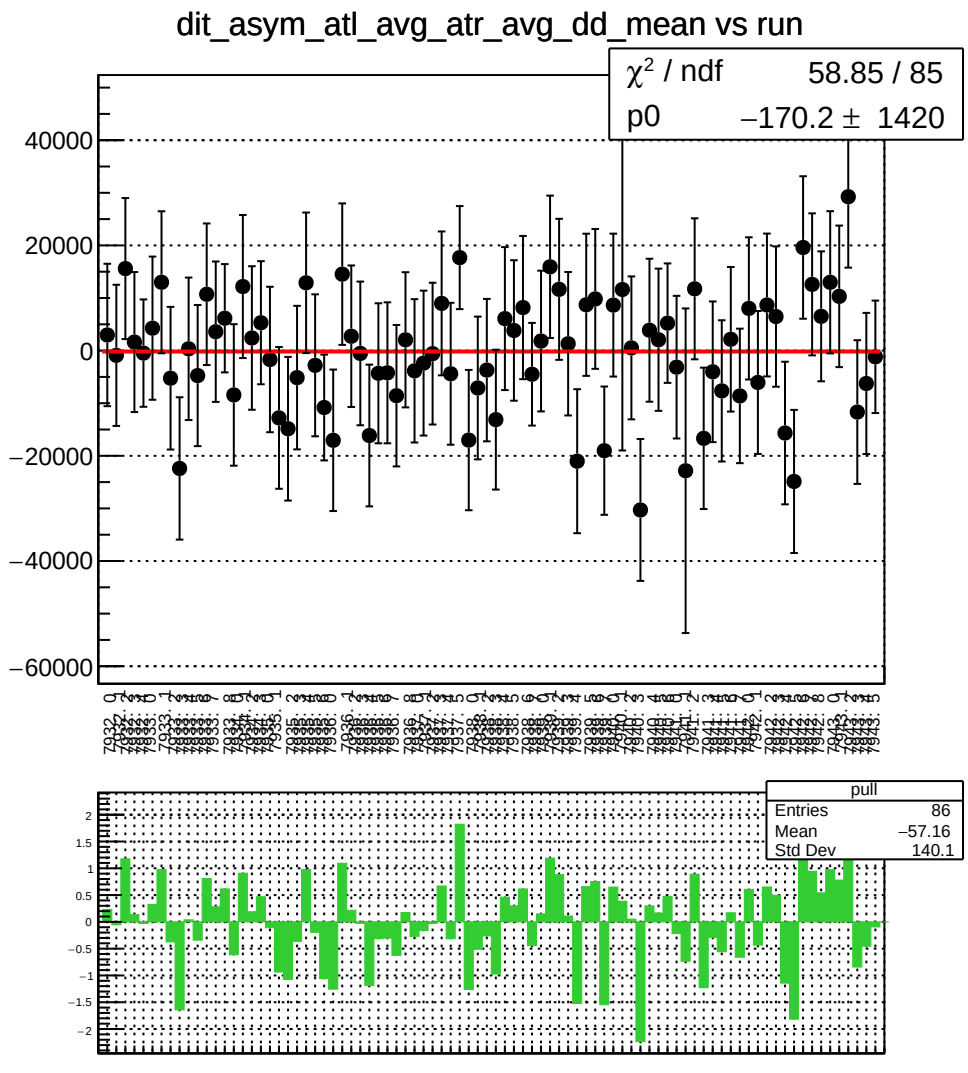

pull1D
Entries 86
Mean 0.004782
Std Dev 1.072

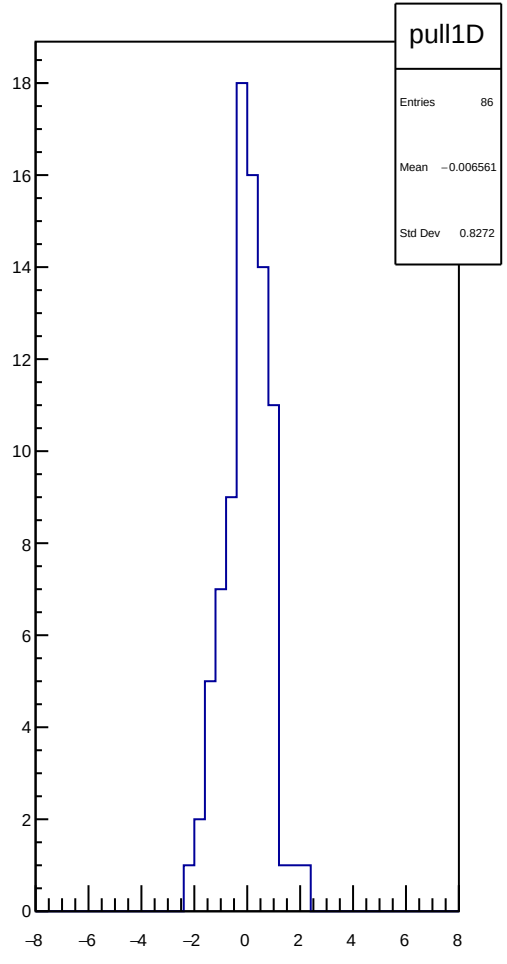

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2989 / 85
p0 6629 ± 5.155
7600
7400
7200
7000
6800
6600
6400
6200
6000
5800

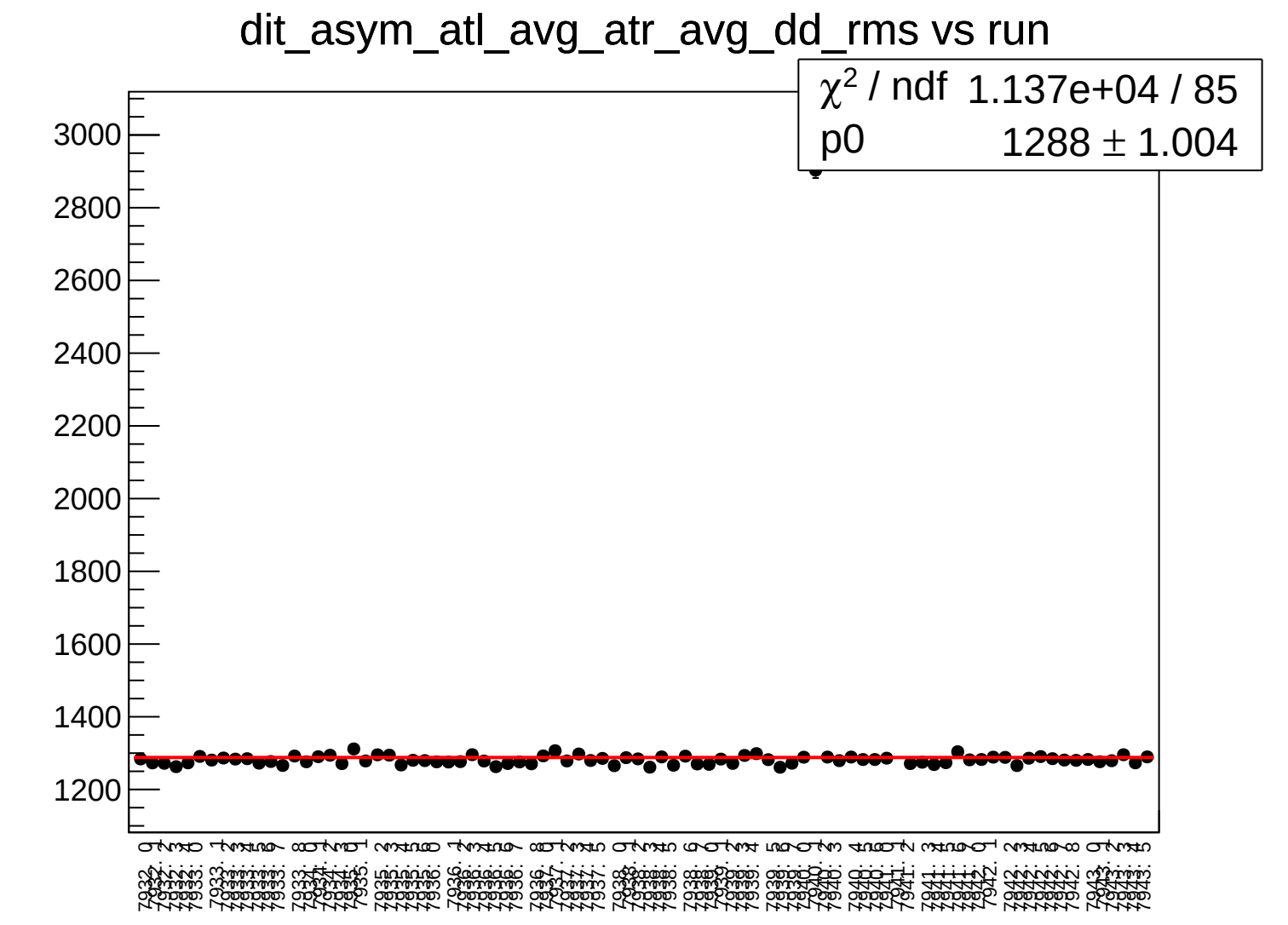

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 101.1 / 85
p0 −807.6 ± 7471
300
200
100
0
−100
−200
−300
pull
Entries 86
Mean −116.1
Std Dev 169
3
2
1
0
−1
−2

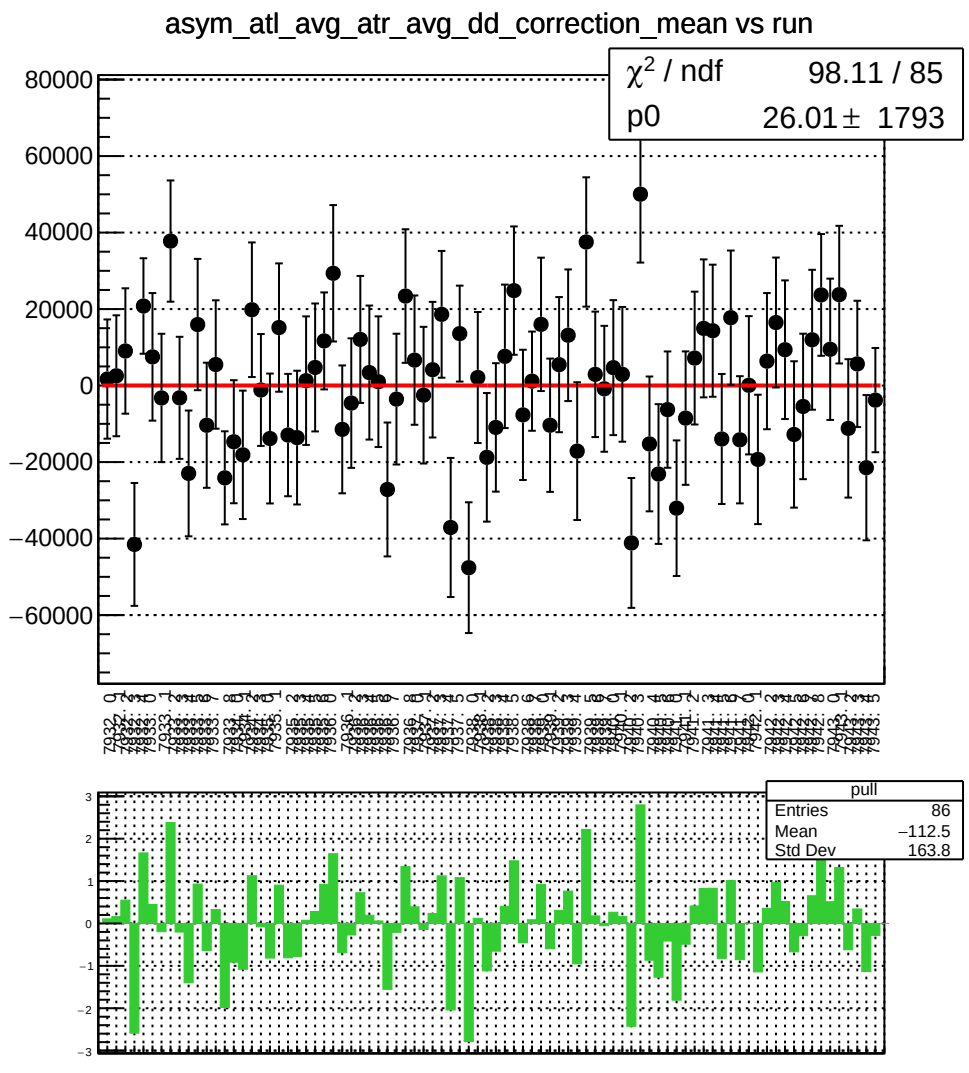

pull1D
Entries 86
Mean −0.006368
Std Dev 1.084
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

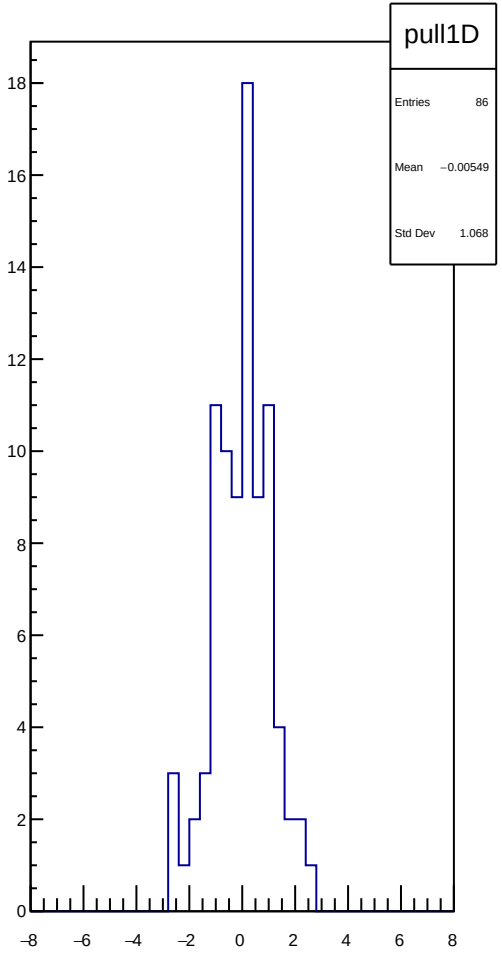

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 3137 / 85
p0 6793 ± 5.283
7800
7600
7400
7200
7000
6800
6600
6400
6200
6000

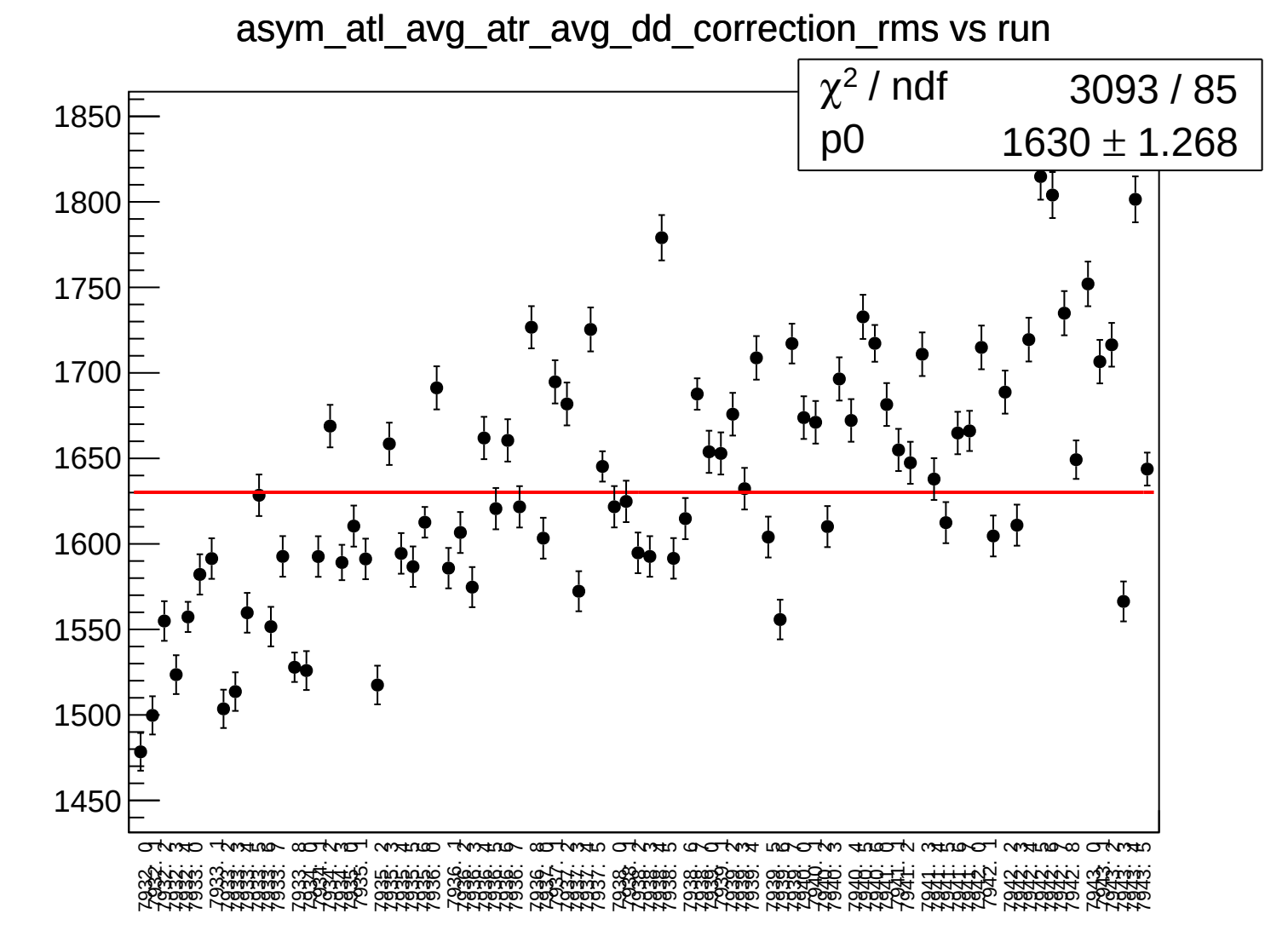

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 58.85 / 85
p0 −170.2 ± 1420
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −57.16
Std Dev 140.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

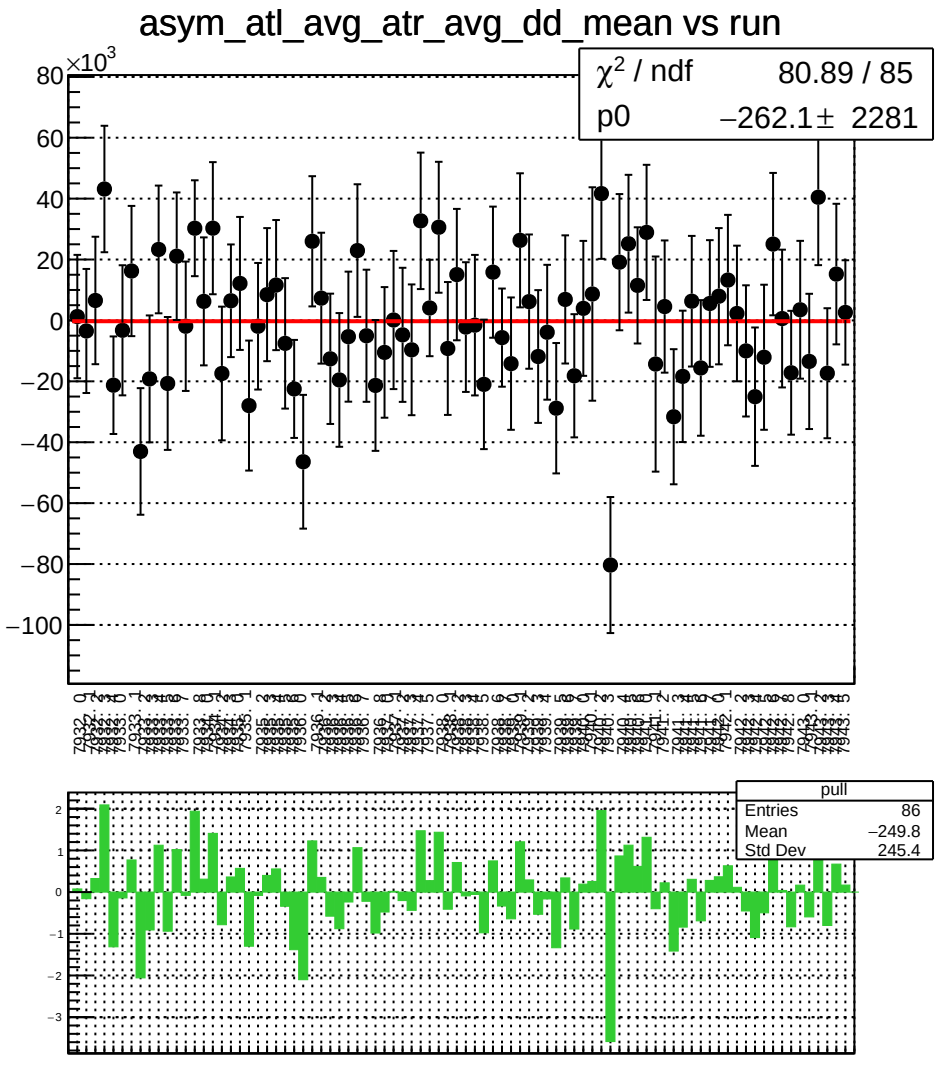

pull1D
Entries 86
Mean −0.006561
Std Dev 0.8272
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

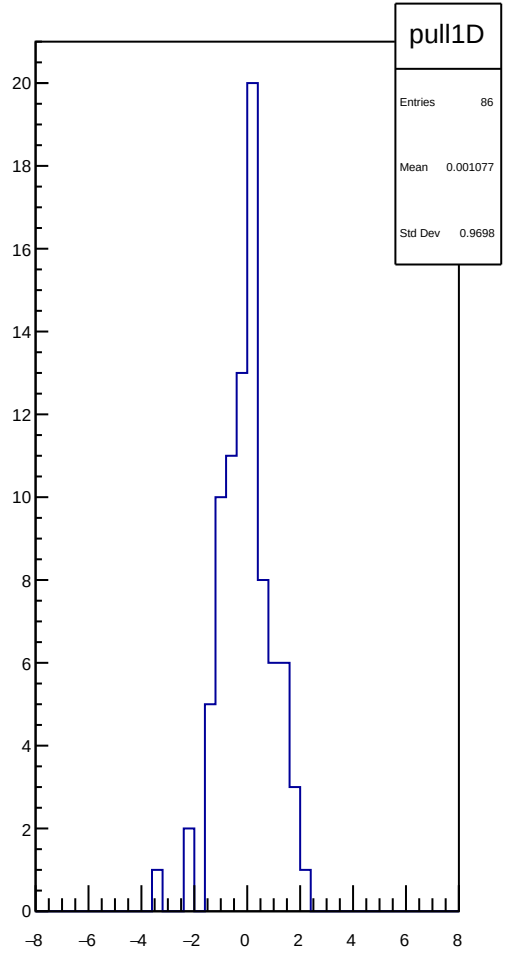

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 1.137e+04 / 85
p0 1288 ± 1.004
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

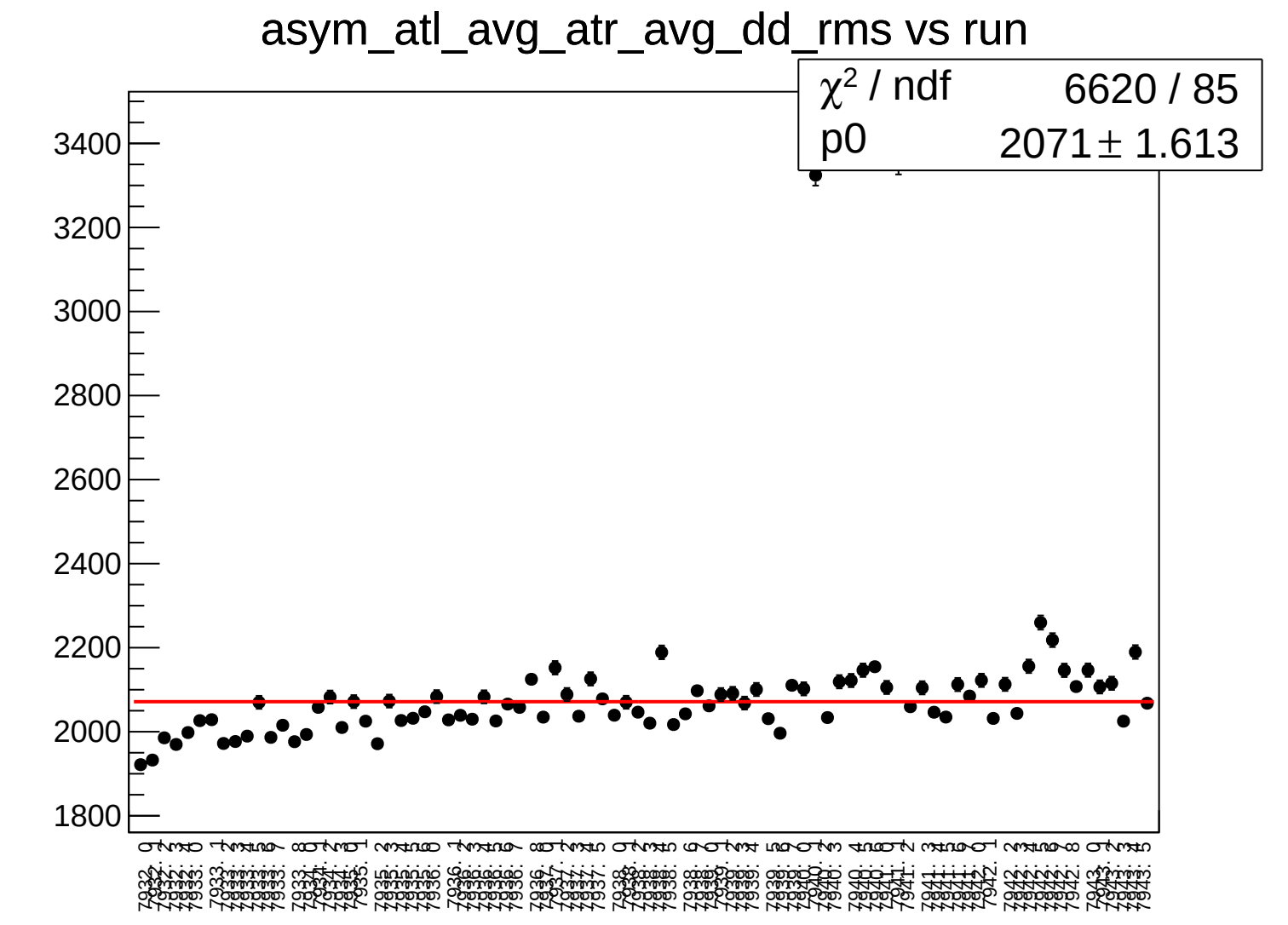

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 98.11 / 85
p0 26.01 ± 1793
pull
Entries 86
Mean −112.5
Std Dev 163.8

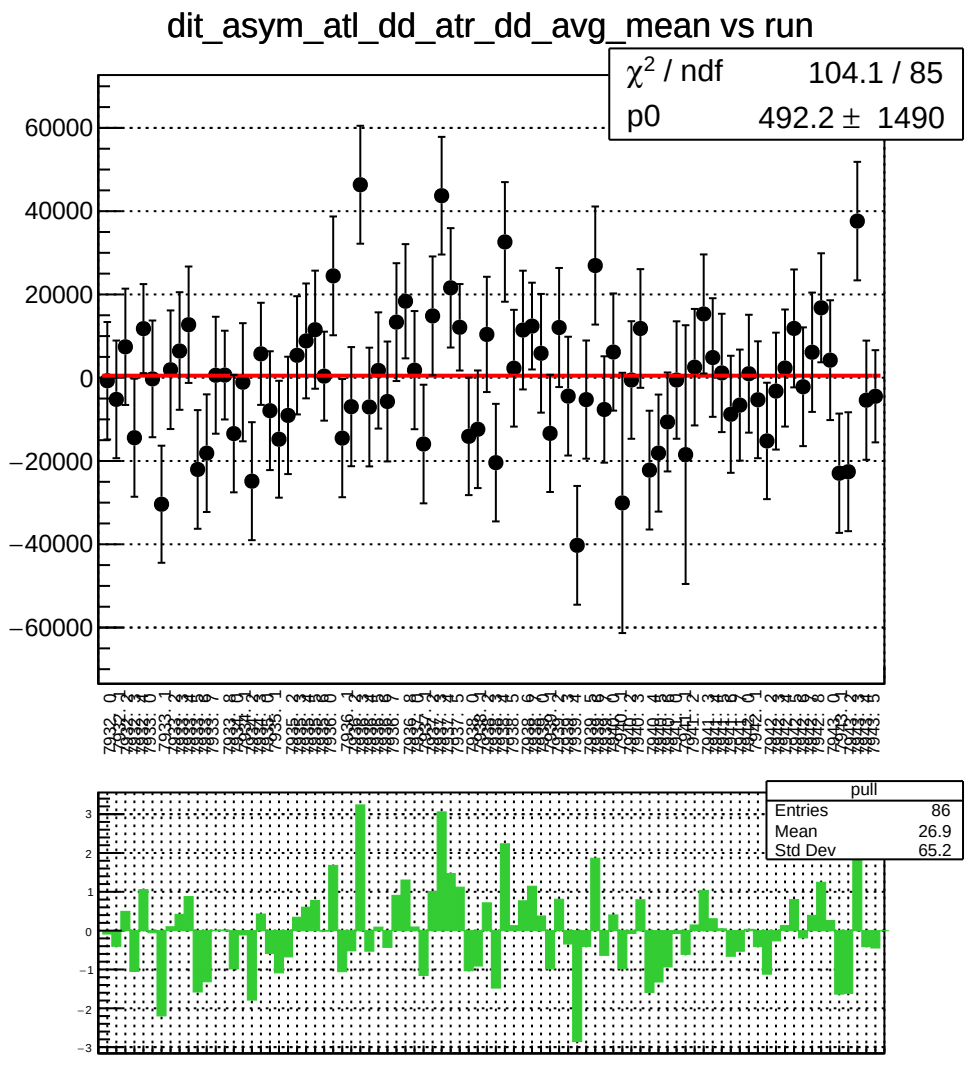

pull1D
Entries 86
Mean −0.00549
Std Dev 1.068

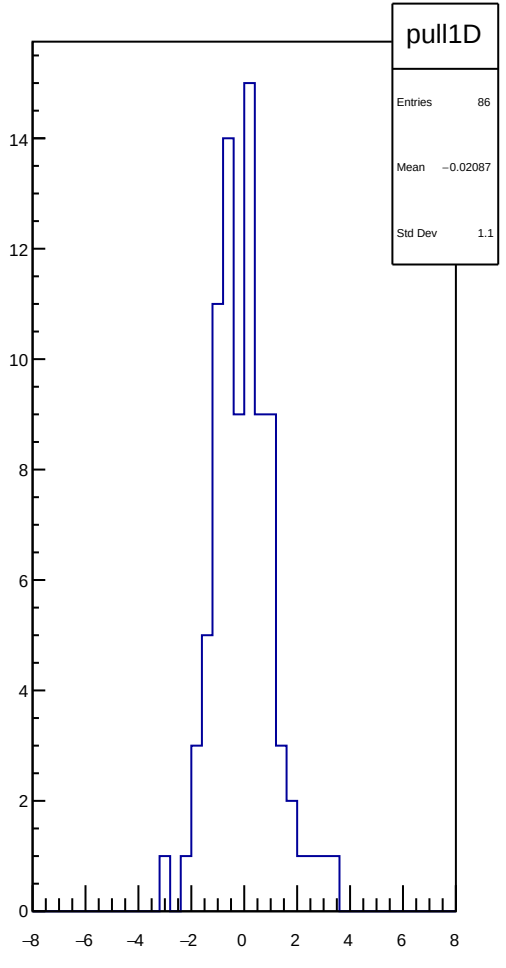

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ^2 / ndf 3093 / 85
p0 1630 ± 1.268
1850
1800
1750
1700
1650
1600
1550
1500
1450

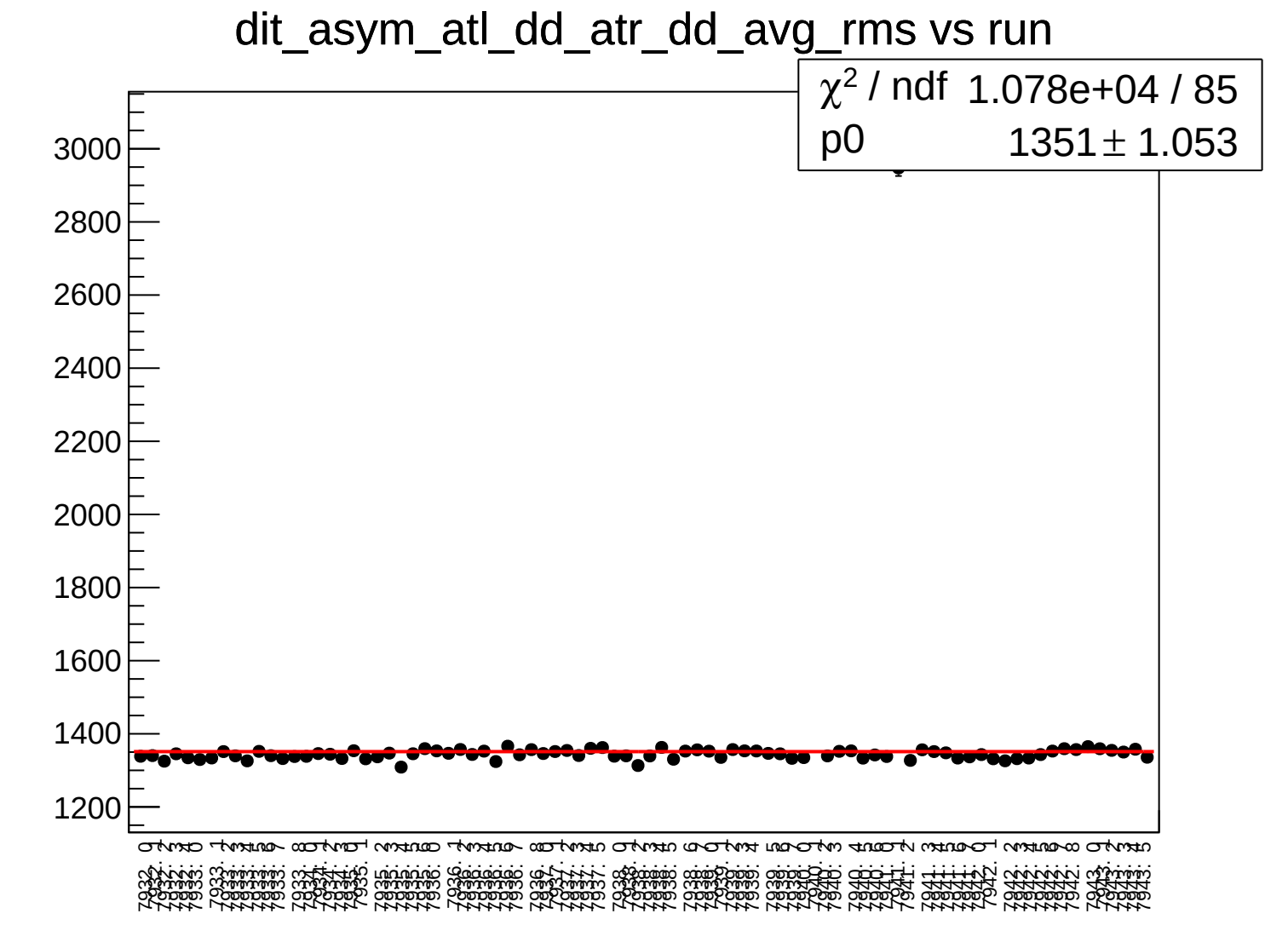

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 80.89 / 85
p0 −262.1± 2281
×10³
pull
Entries 86
Mean −249.8
Std Dev 245.4

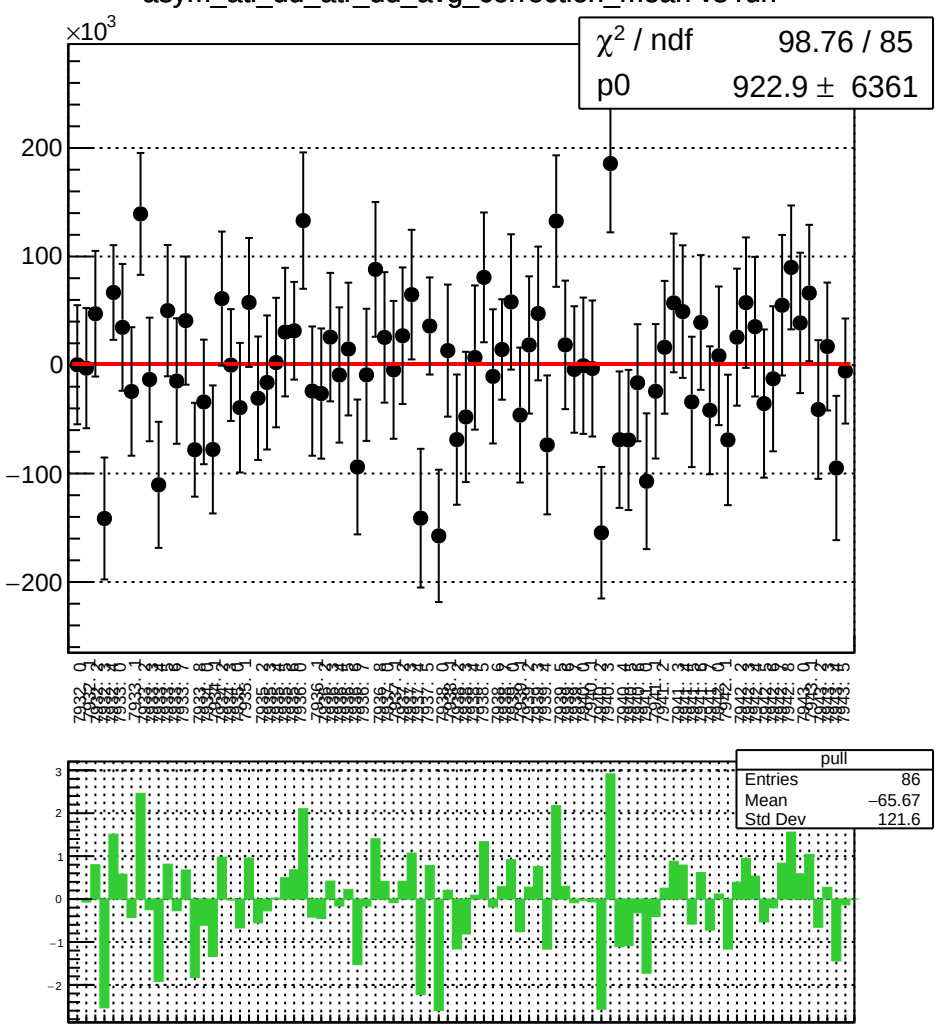

pull1D
Entries 86
Mean 0.001077
Std Dev 0.9698

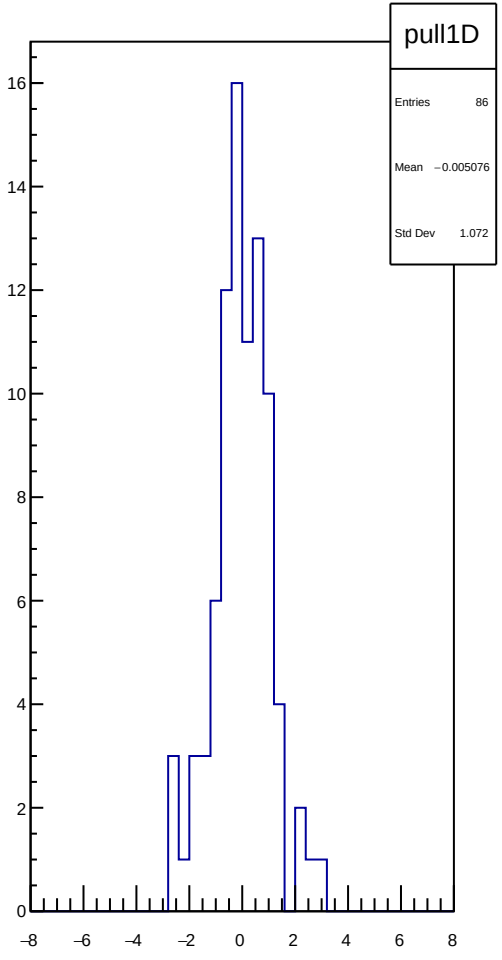

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6620 / 85
p0 2071 ± 1.613
3400
3200
3000
2800
2600
2400
2200
2000
1800

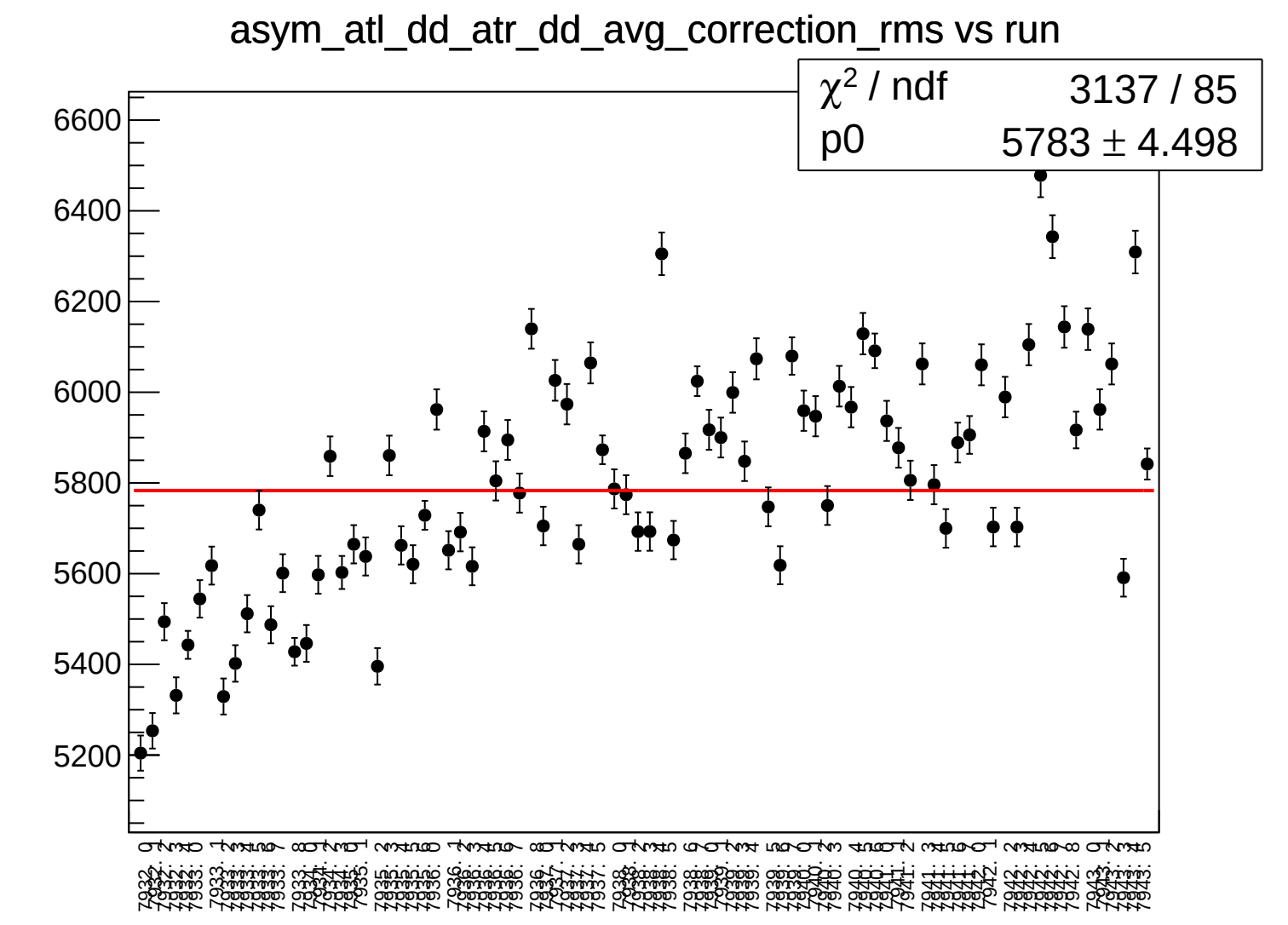

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 104.1 / 85
p0 492.2 ± 1490
pull
Entries 86
Mean 26.9
Std Dev 65.2

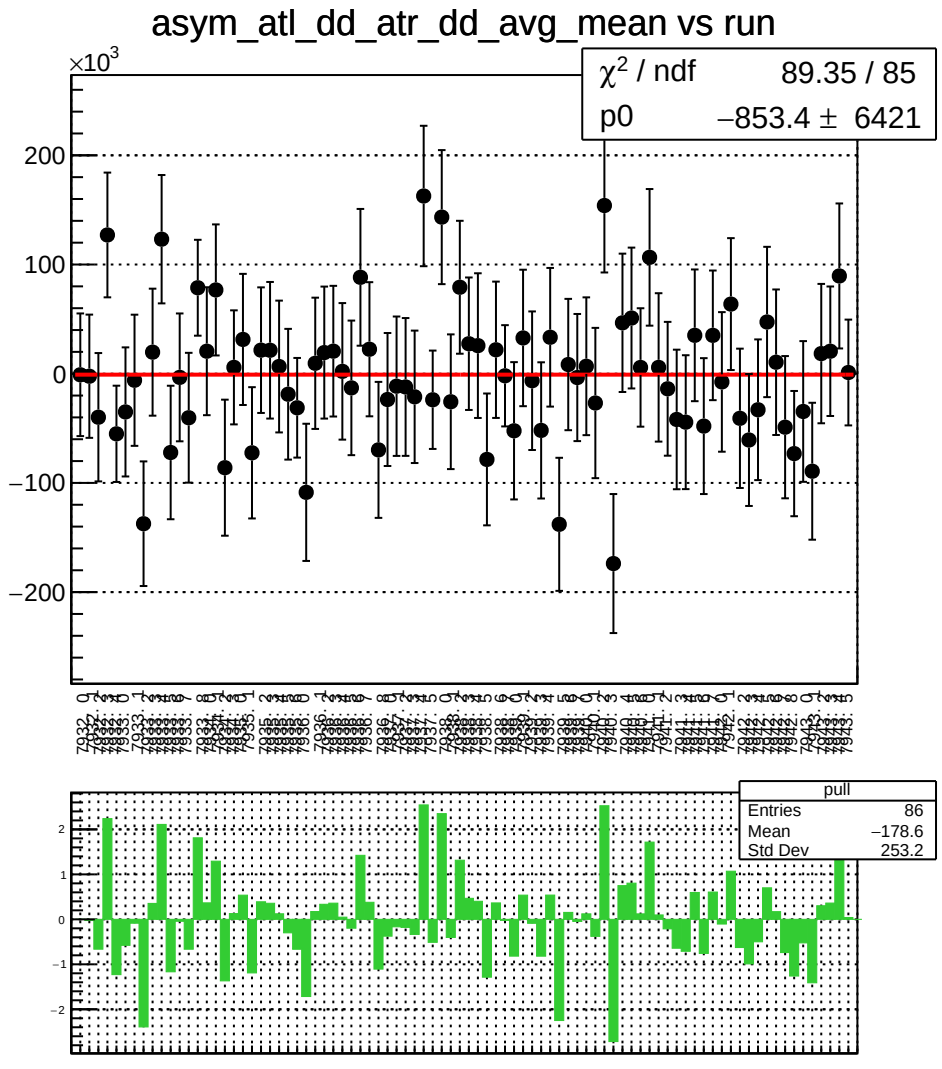

pull1D
Entries 86
Mean −0.02087
Std Dev 1.1

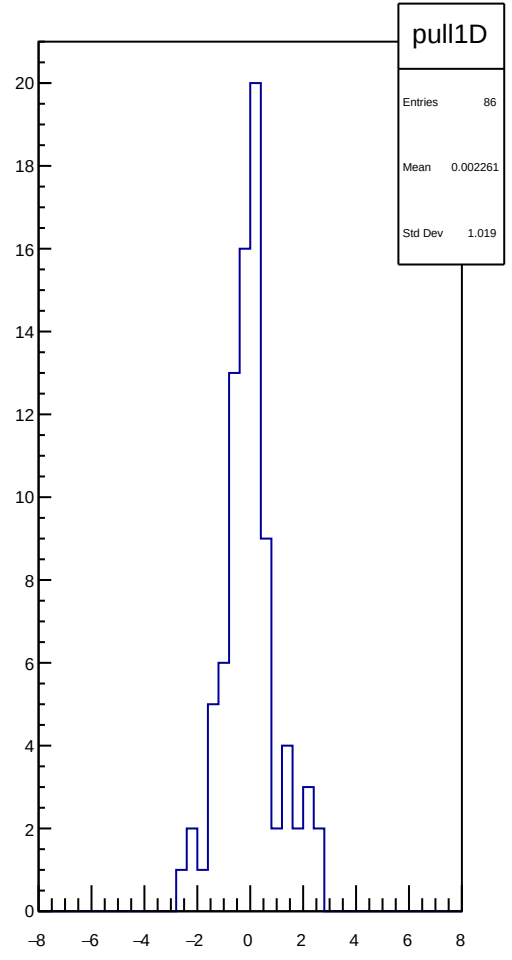

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.078e+04 / 85
p0 1351 ± 1.053
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

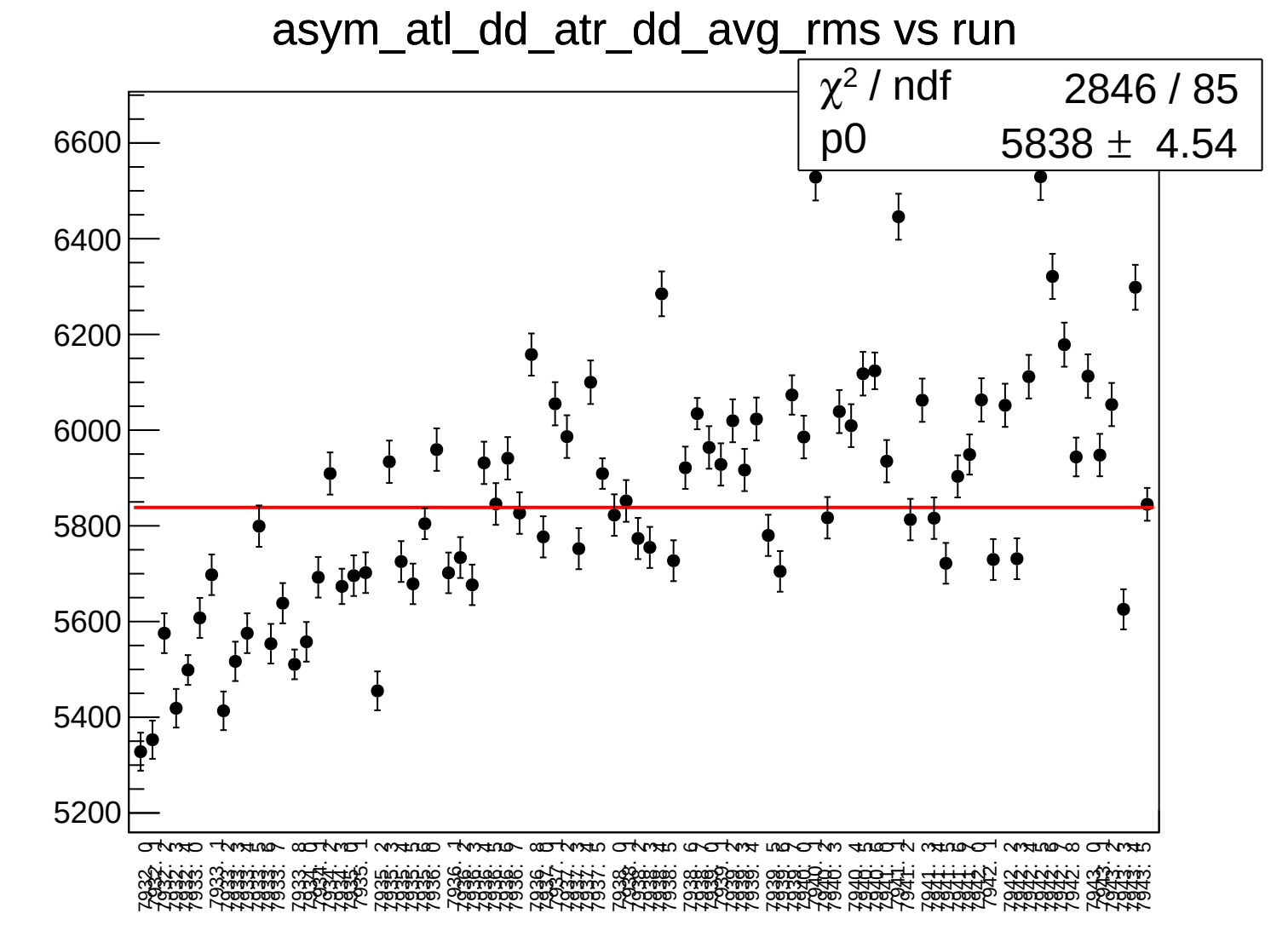

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 98.76 / 85
p0 922.9 ± 6361
200
100
0
−100
−200
pull
Entries 86
Mean −65.67
Std Dev 121.6
3
2
1
0
−1
−2

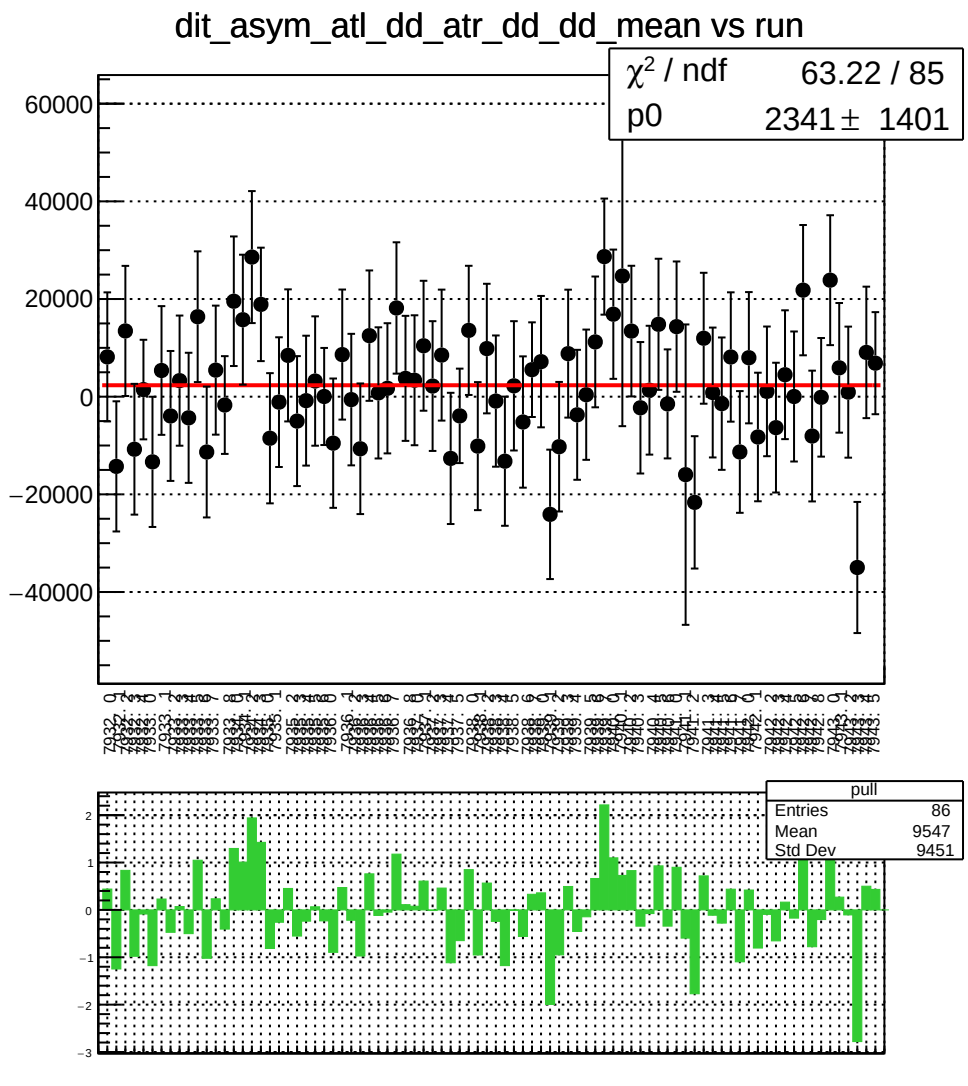

pull1D
Entries 86
Mean −0.005076
Std Dev 1.072
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

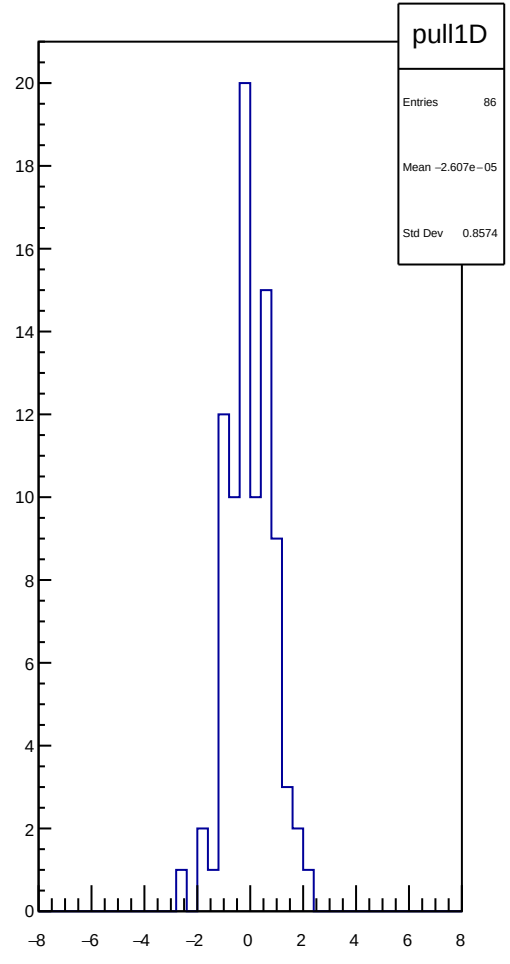

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3137 / 85
p0 5783 ± 4.498
6600
6400
6200
6000
5800
5600
5400
5200

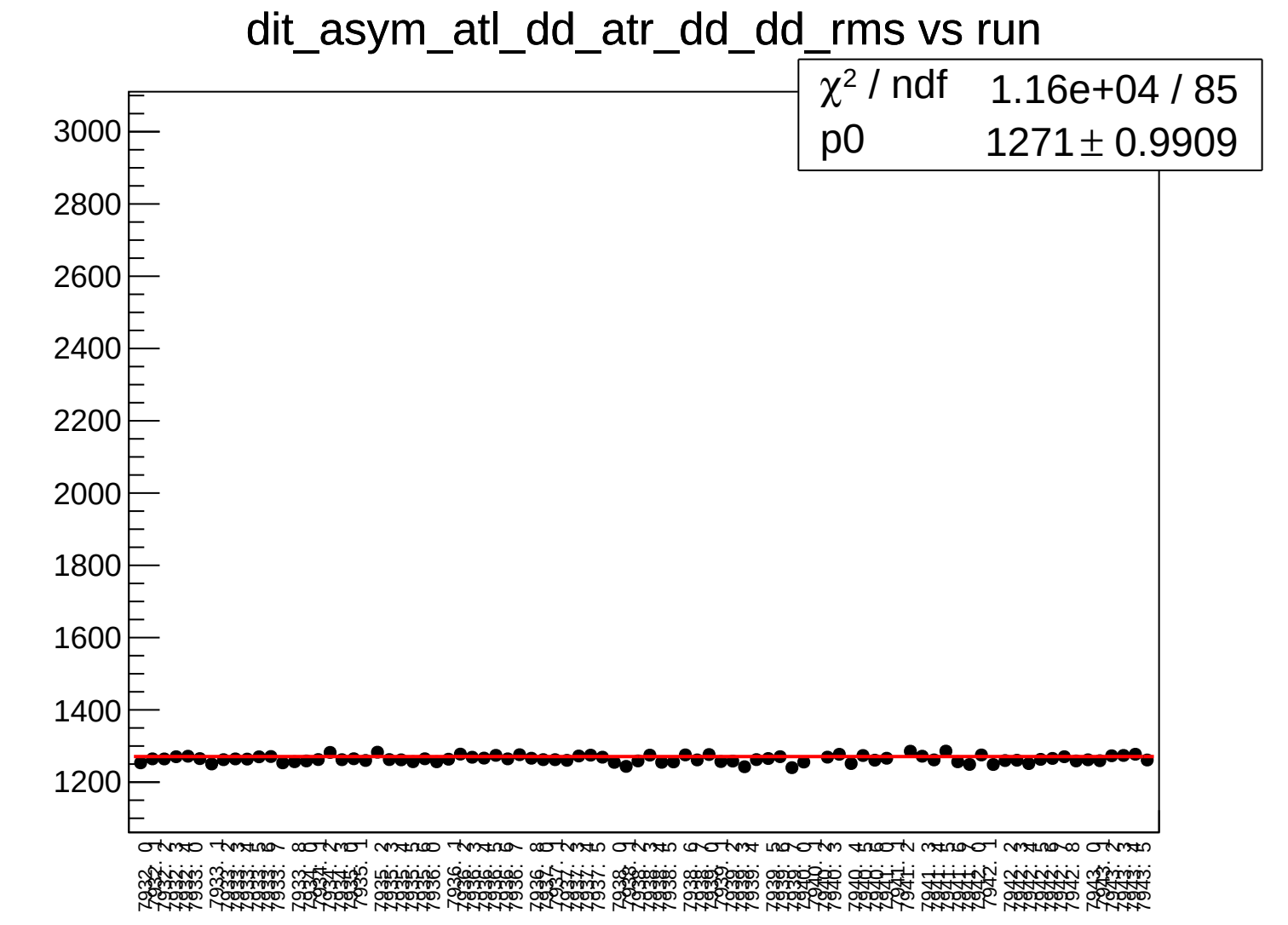

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 89.35 / 85
p0 −853.4 ± 6421
200
100
0
−100
−200
pull
Entries 86
Mean −178.6
Std Dev 253.2
2
1
0
−1
−2

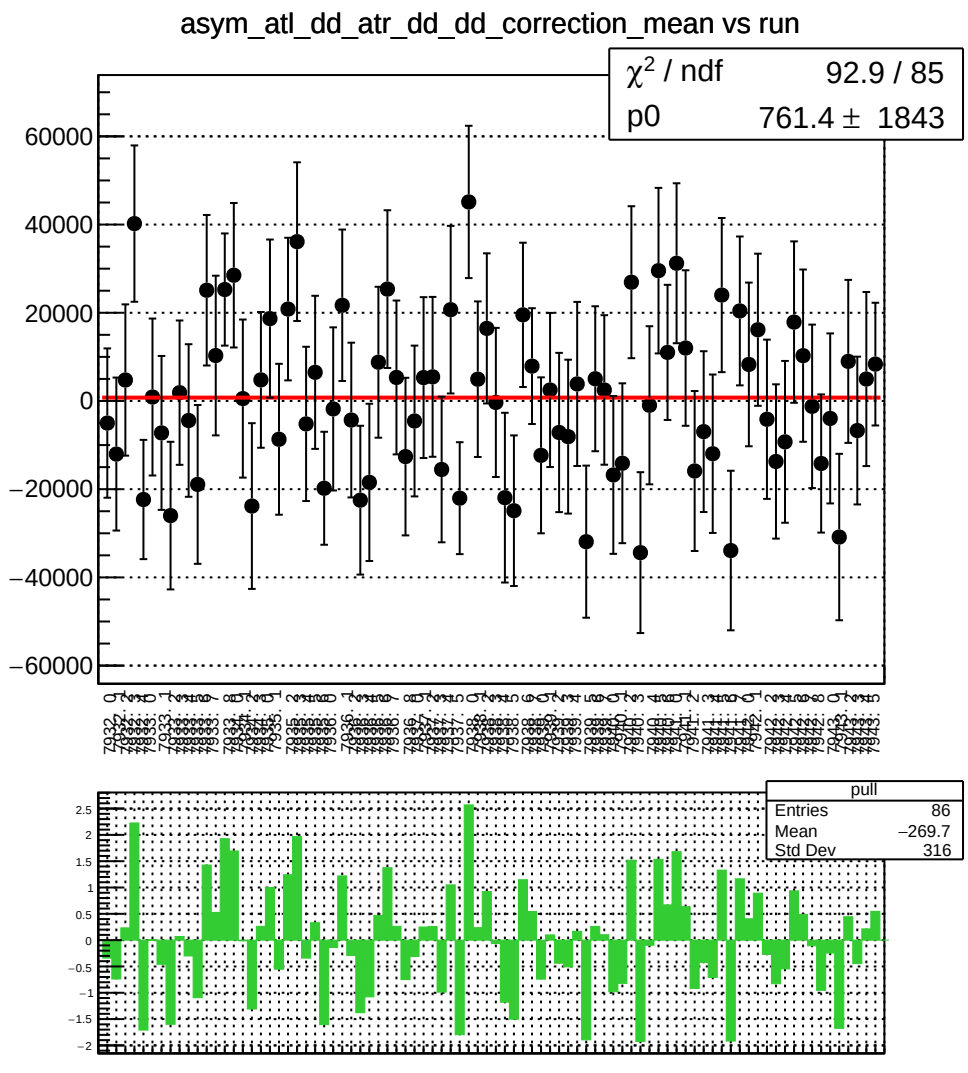

pull1D
Entries 86
Mean 0.002261
Std Dev 1.019
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

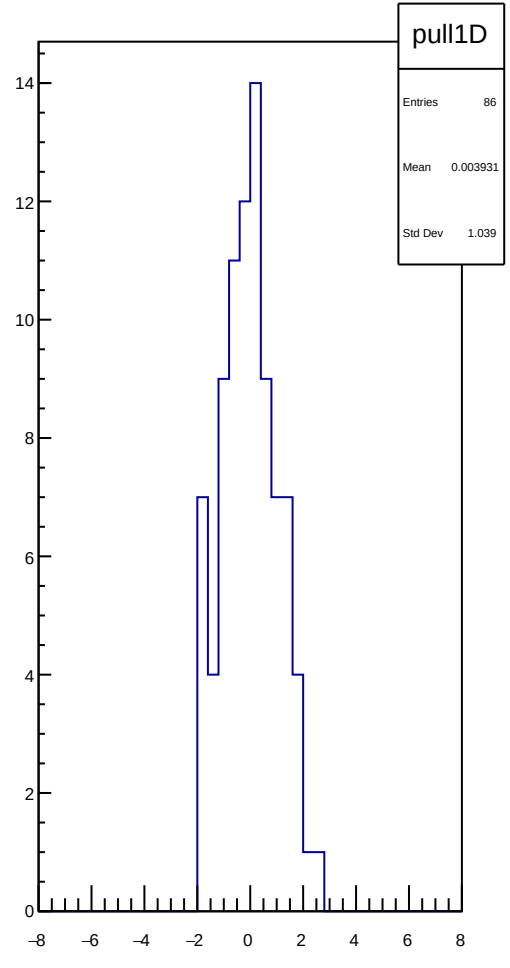

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2846 / 85
p0 5838 ± 4.54
6600
6400
6200
6000
5800
5600
5400
5200

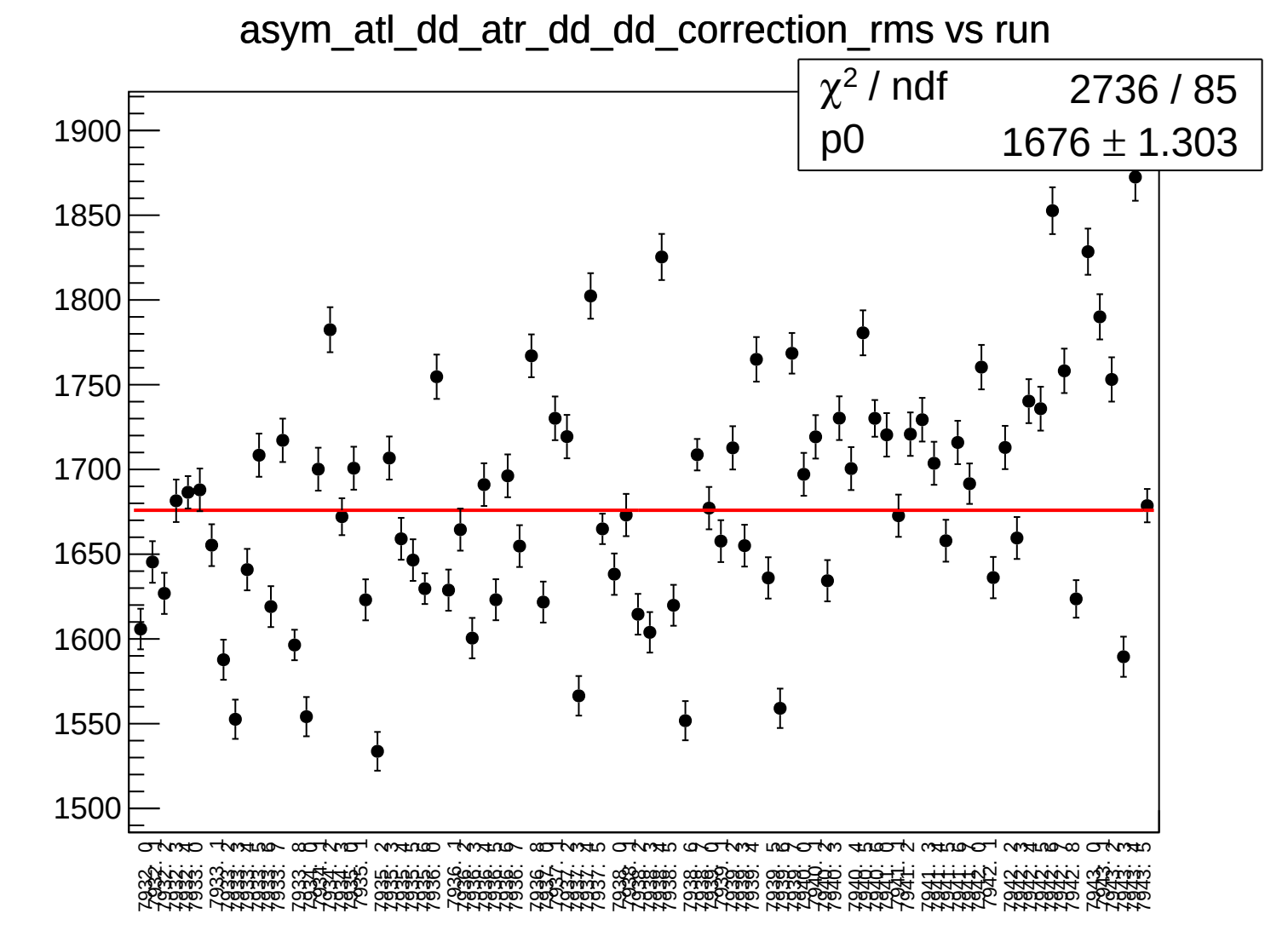

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 63.22 / 85
p0 2341 ± 1401
pull
Entries 86
Mean 9547
Std Dev 9451

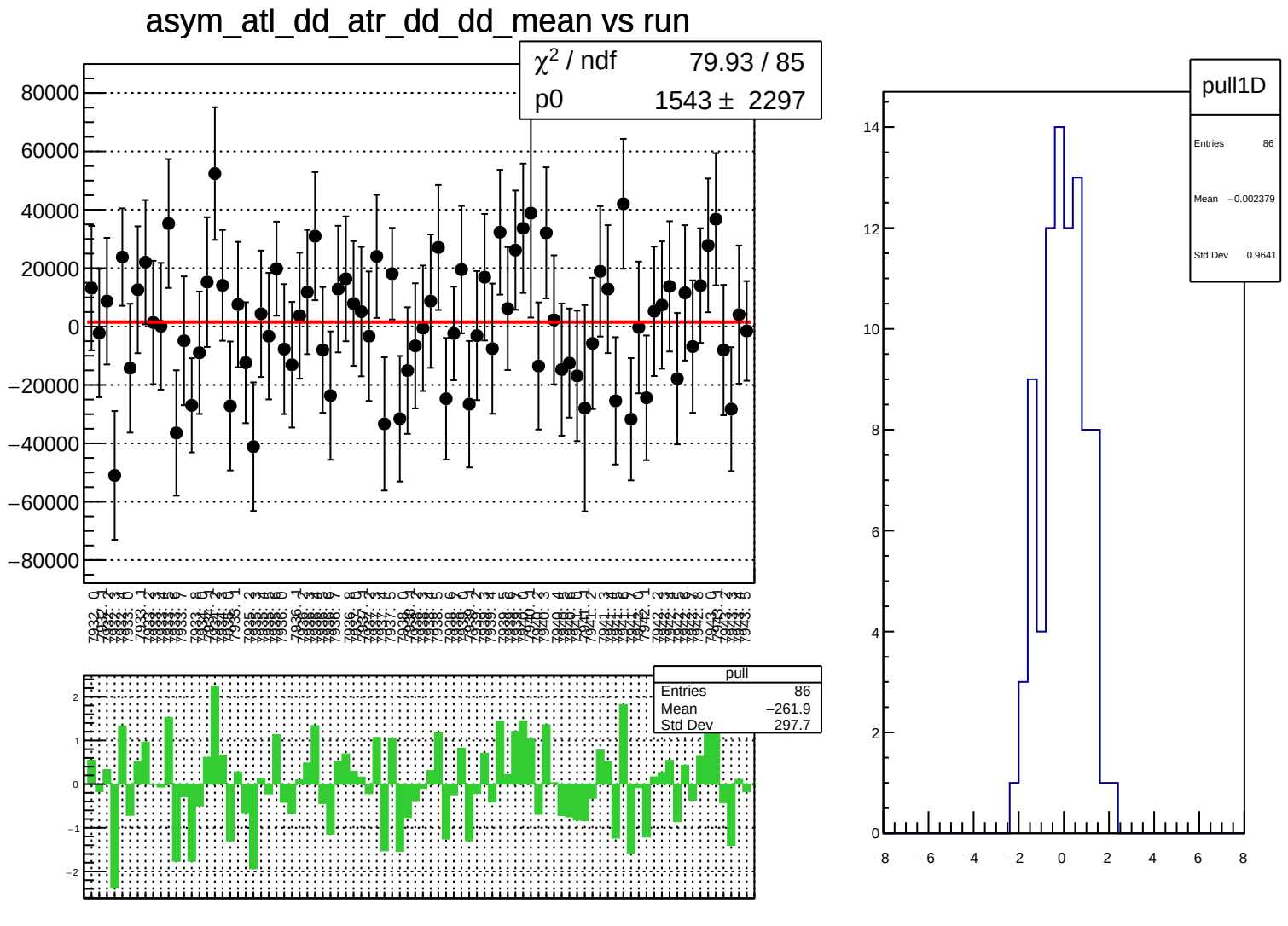

pull1D
Entries 86
Mean −2.607e−05
Std Dev 0.8574

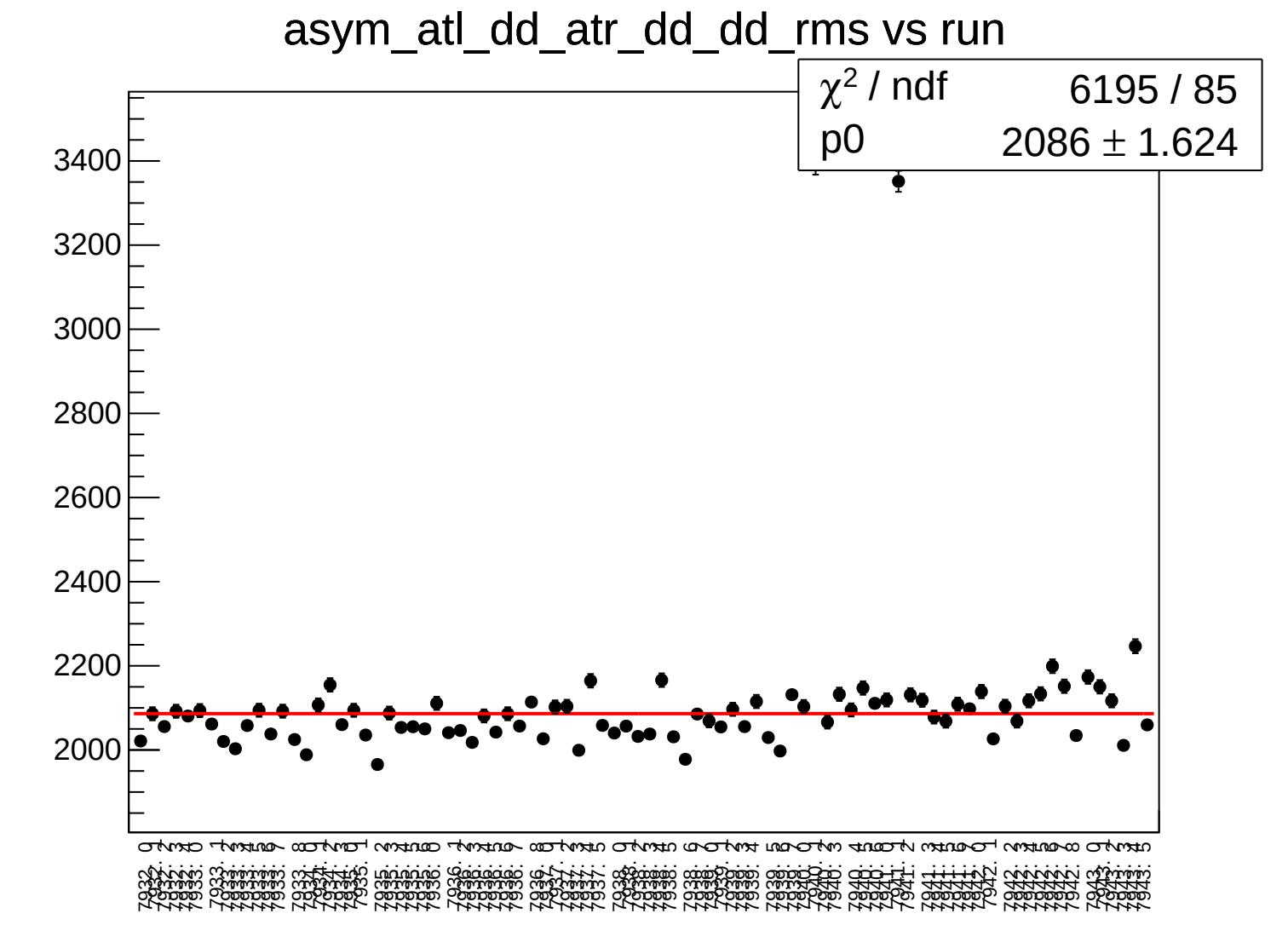

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.16e+04 / 85
p0 1271 ± 0.9909
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

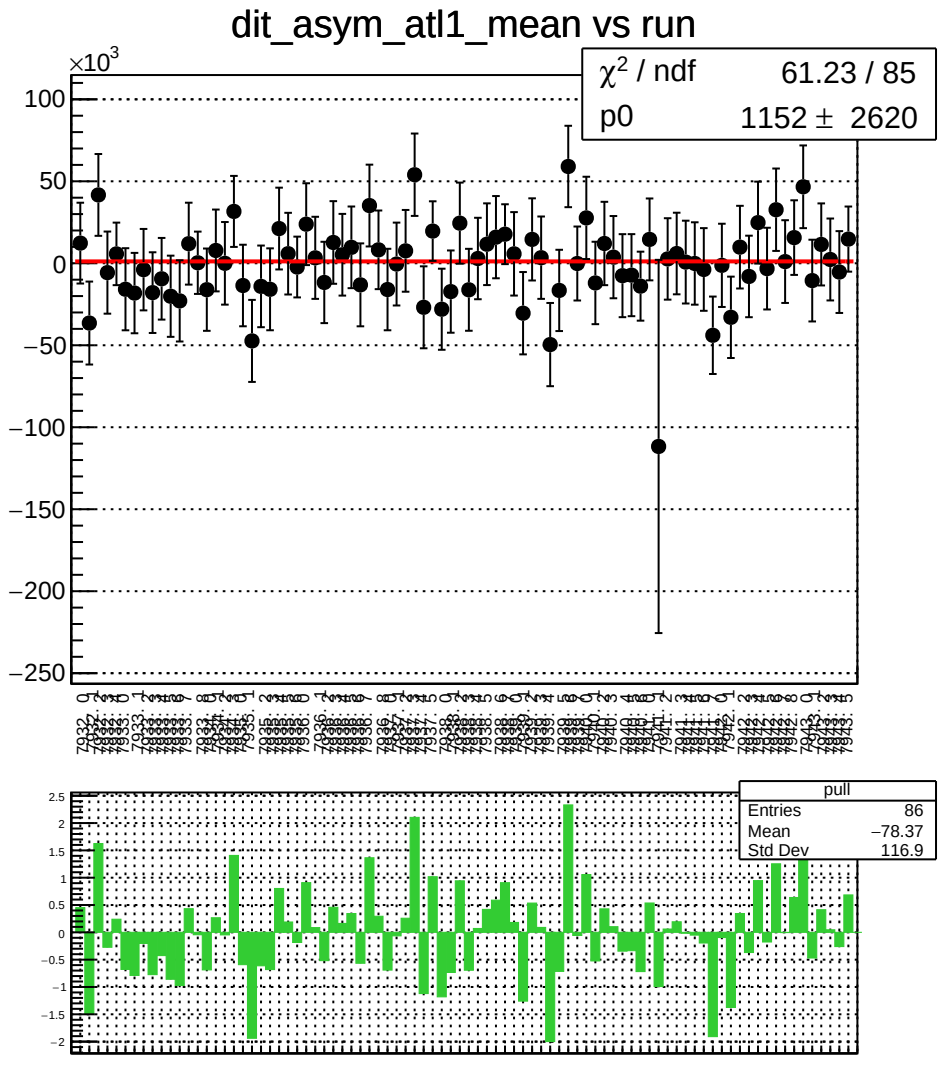

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 92.9 / 85
p0 761.4 ± 1843
pull
Entries 86
Mean −269.7
Std Dev 316

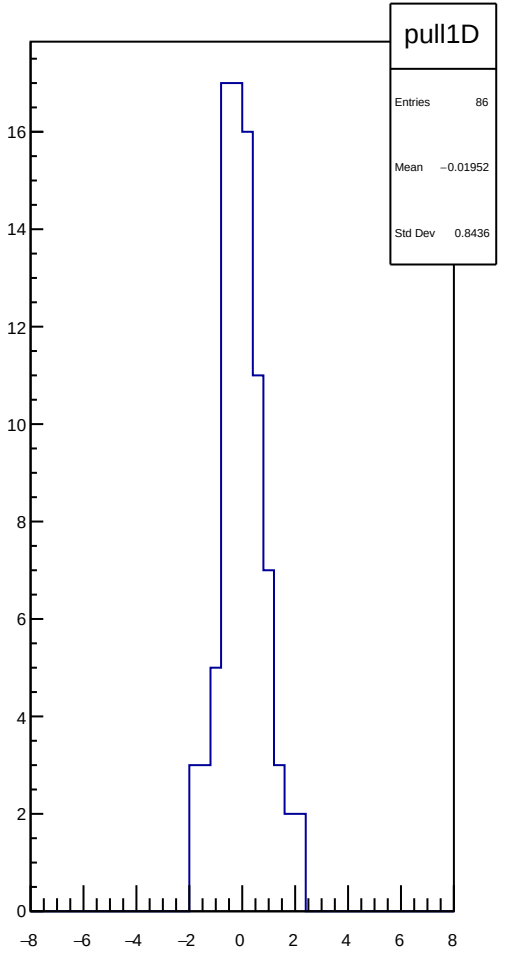

pull1D
Entries 86
Mean 0.003931
Std Dev 1.039

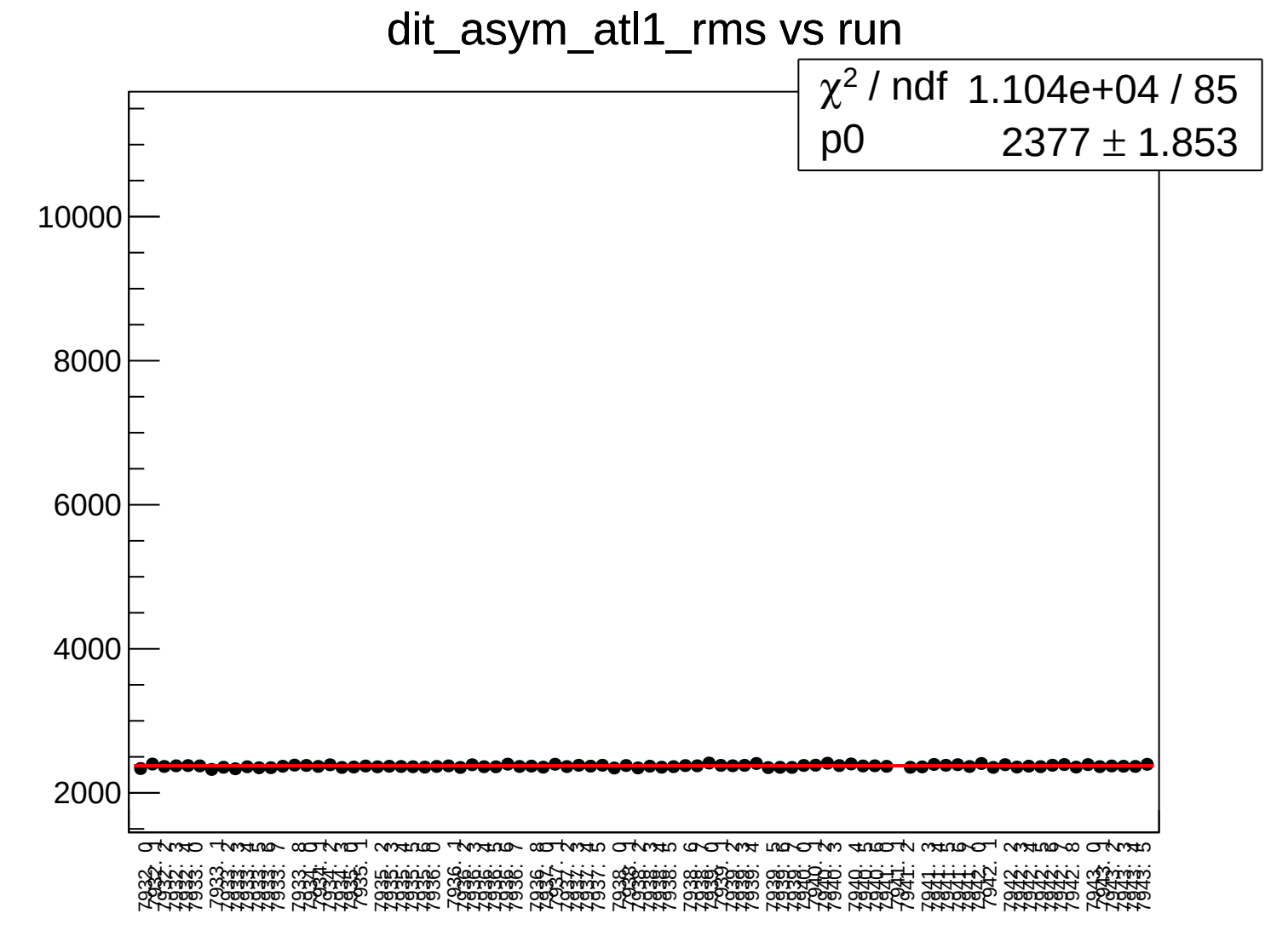

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 2736 / 85
p0 1676 ± 1.303
1900
1850
1800
1750
1700
1650
1600
1550
1500

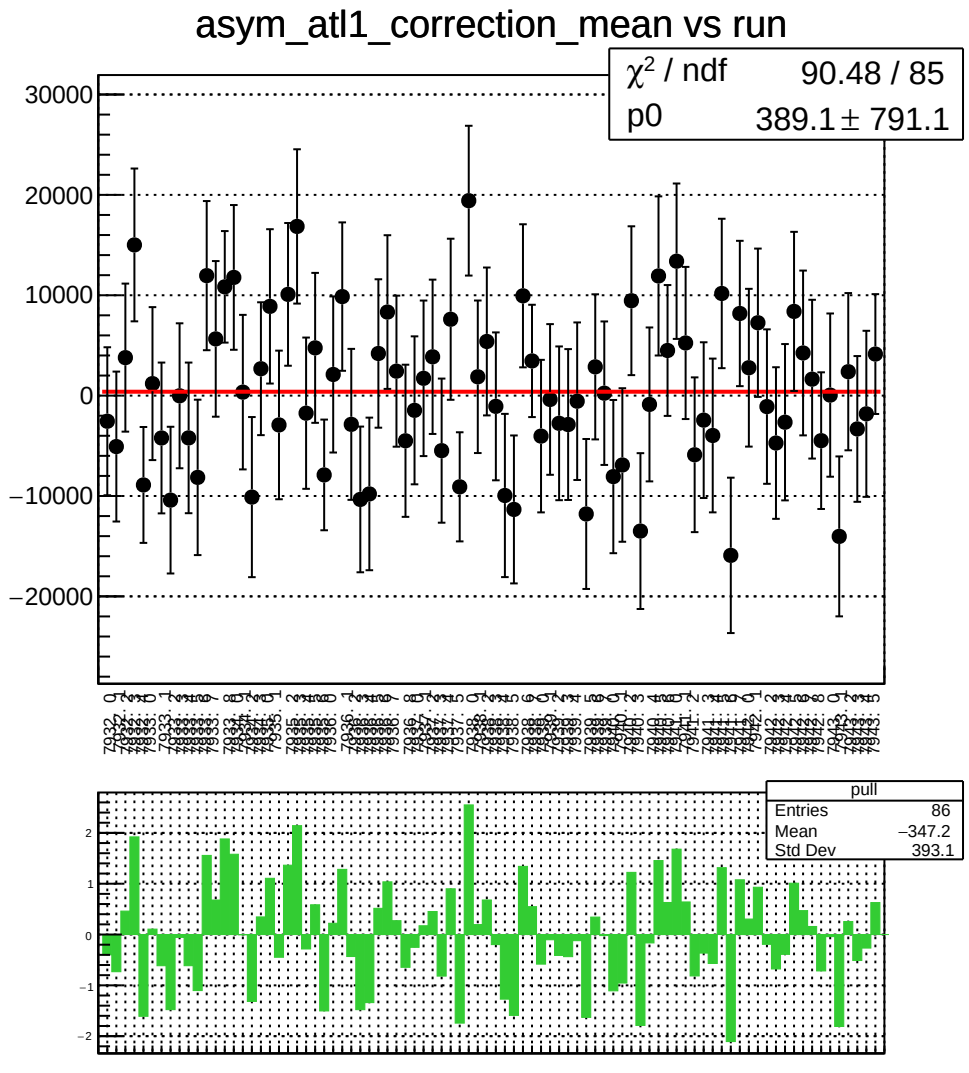

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 79.93 / 85
p0 1543 ± 2297
pull
Entries 86
Mean −261.9
Std Dev 297.7
pull1D
Entries 86
Mean −0.002379
Std Dev 0.9641

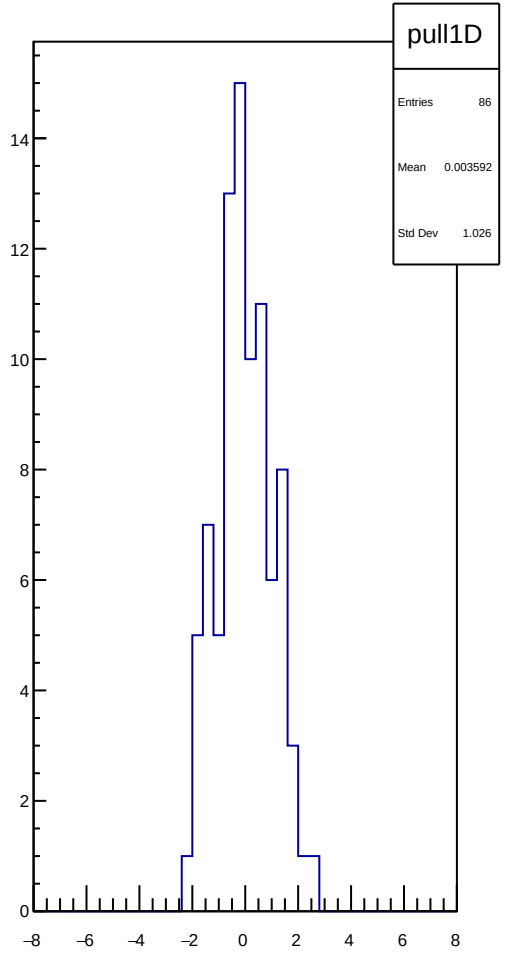

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 6195 / 85
p0 2086 ± 1.624
3400
3200
3000
2800
2600
2400
2200
2000

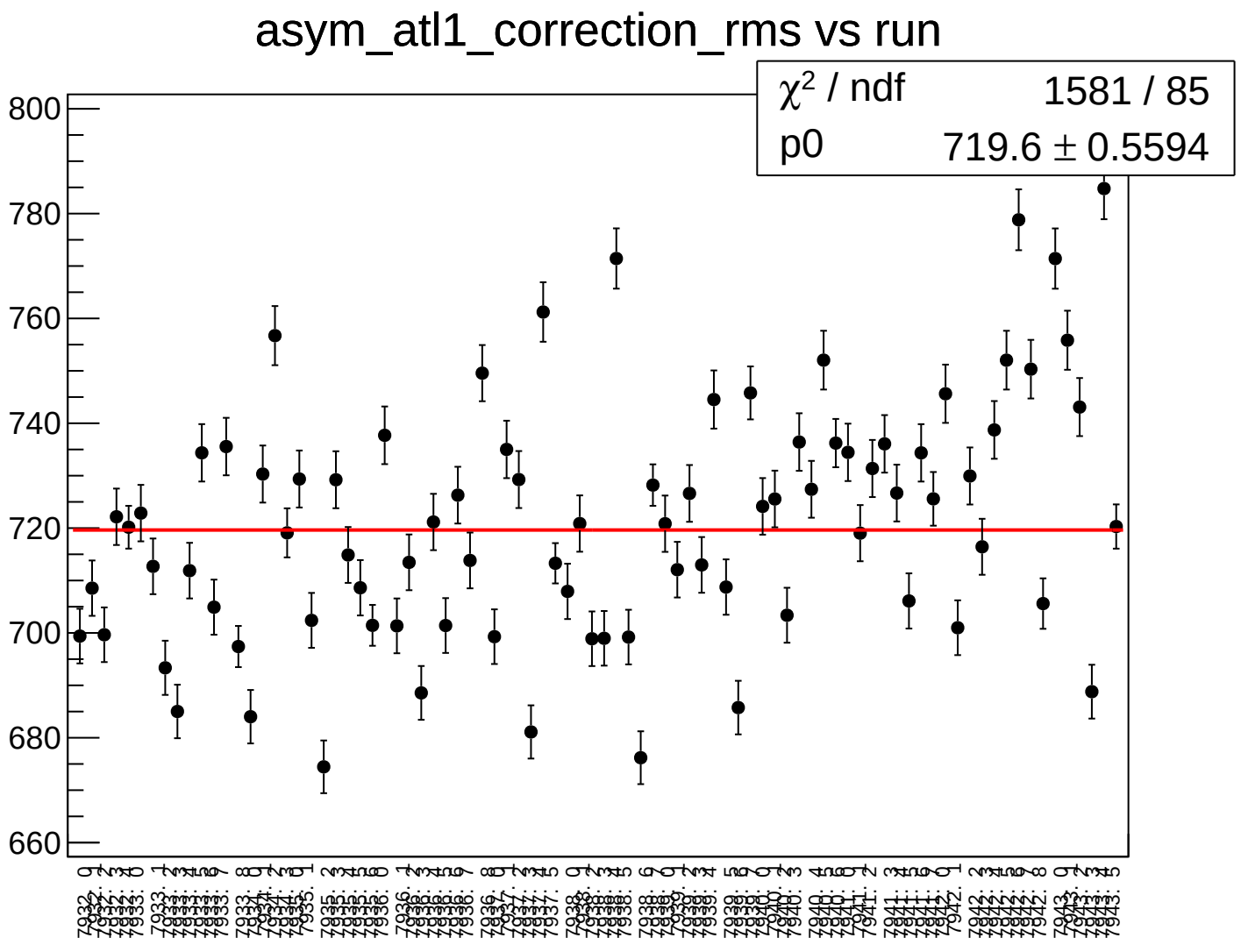

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 61.23 / 85
p0 1152 ± 2620
pull
Entries 86
Mean −78.37
Std Dev 116.9

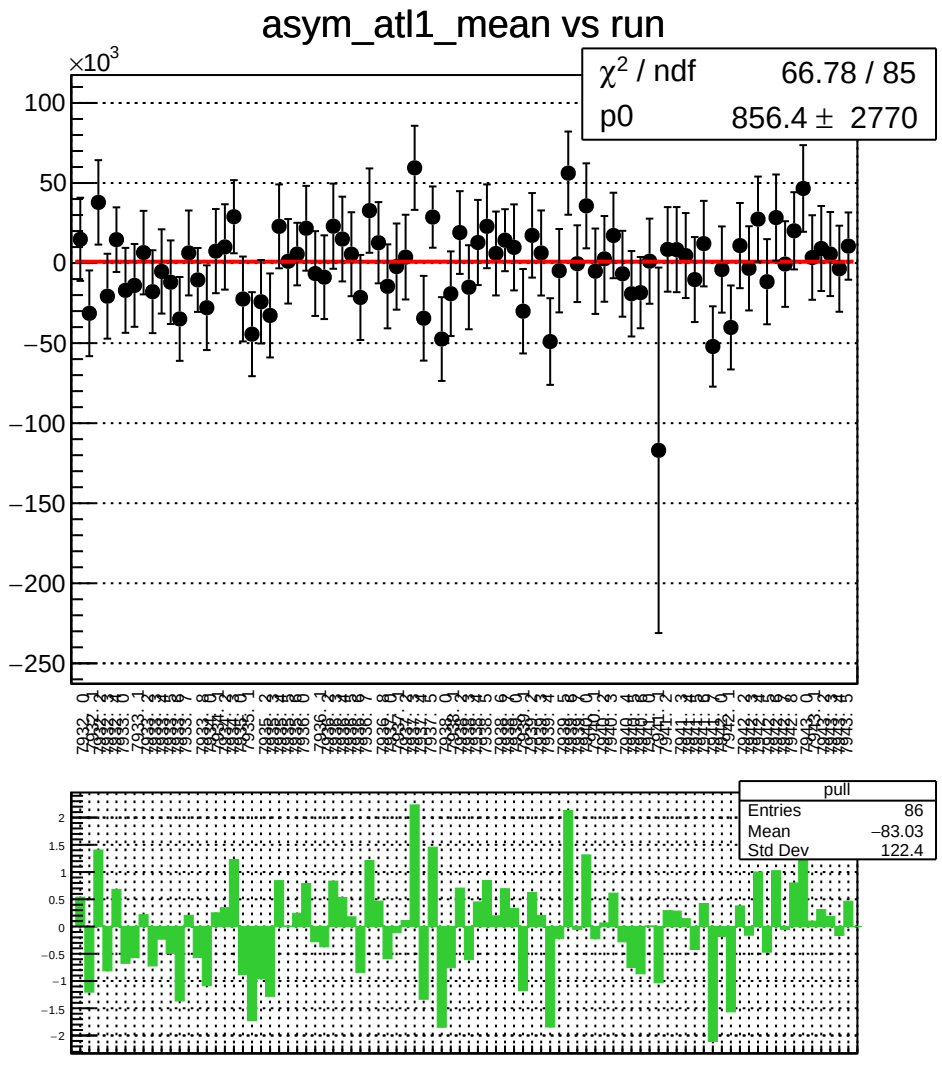

pull1D
Entries 86
Mean −0.01952
Std Dev 0.8436

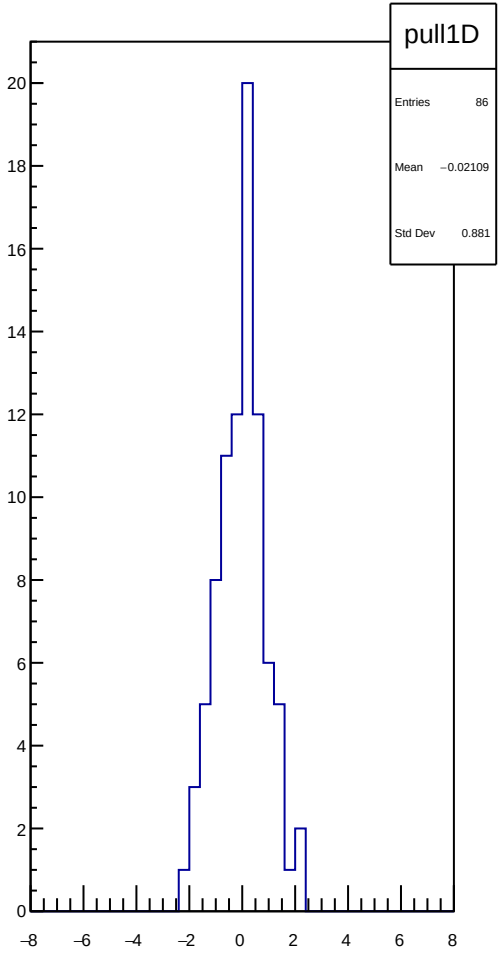

dit_asym_atl1_rms vs run
χ² / ndf 1.104e+04 / 85
p0 2377 ± 1.853
10000
8000
6000
4000
2000

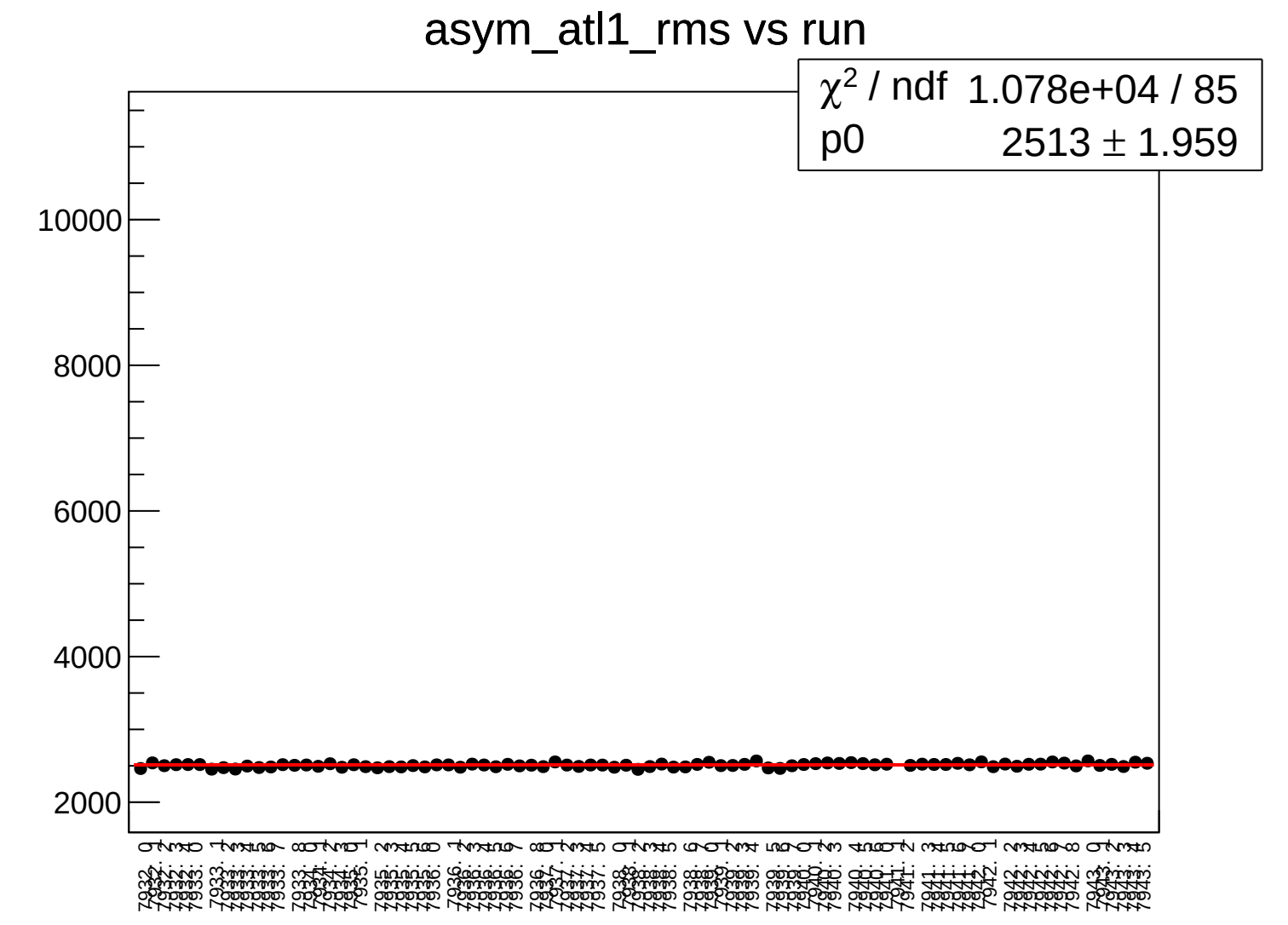

asym_atl1_correction_mean vs run
χ² / ndf 90.48 / 85
p0 389.1 ± 791.1
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −347.2
Std Dev 393.1
2
1
0
−1
−2

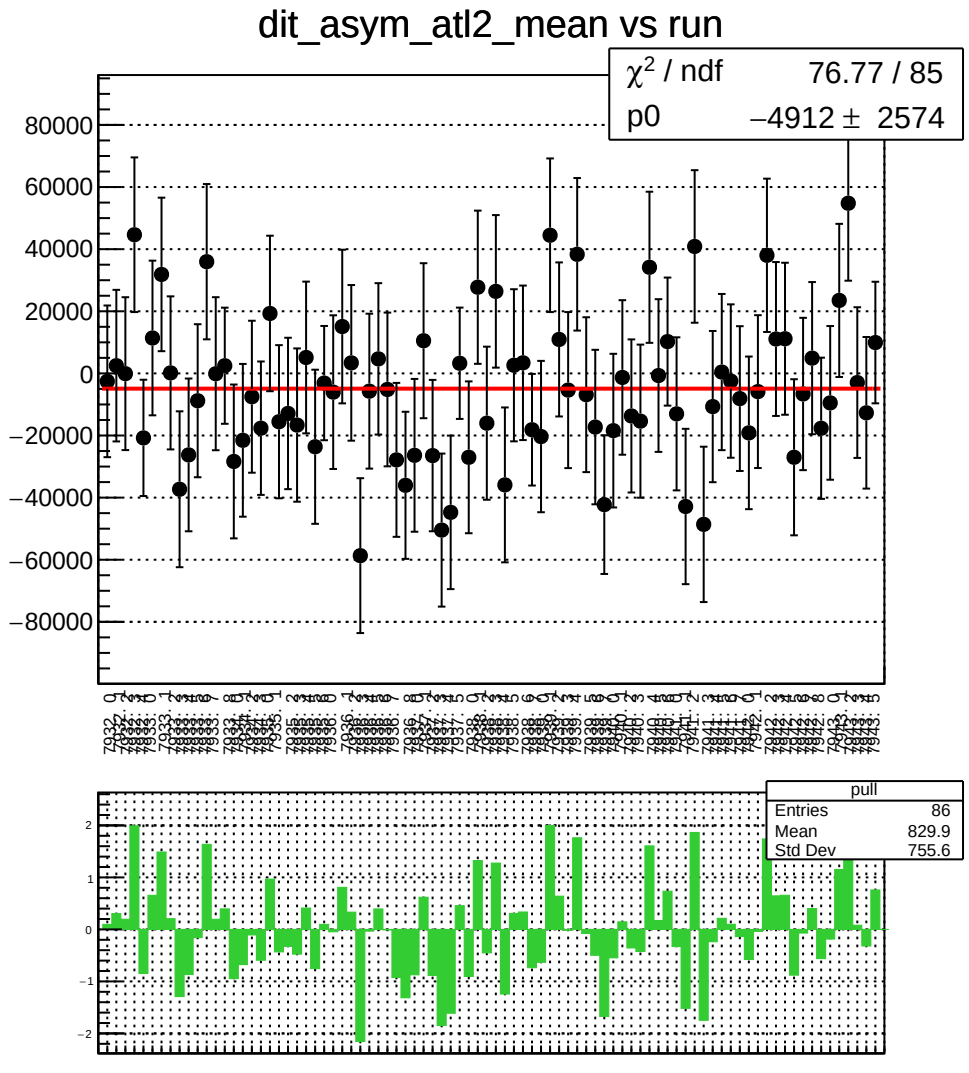

pull1D
Entries 86
Mean 0.003592
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

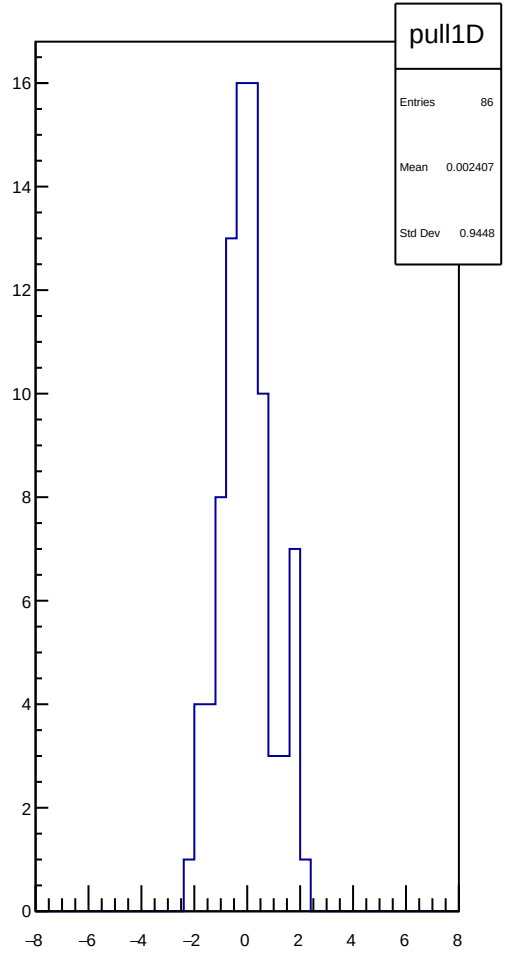

asym_atl1_correction_rms vs run
χ^2 / ndf 1581 / 85
p0 719.6 ± 0.5594
800
780
760
740
720
700
680
660

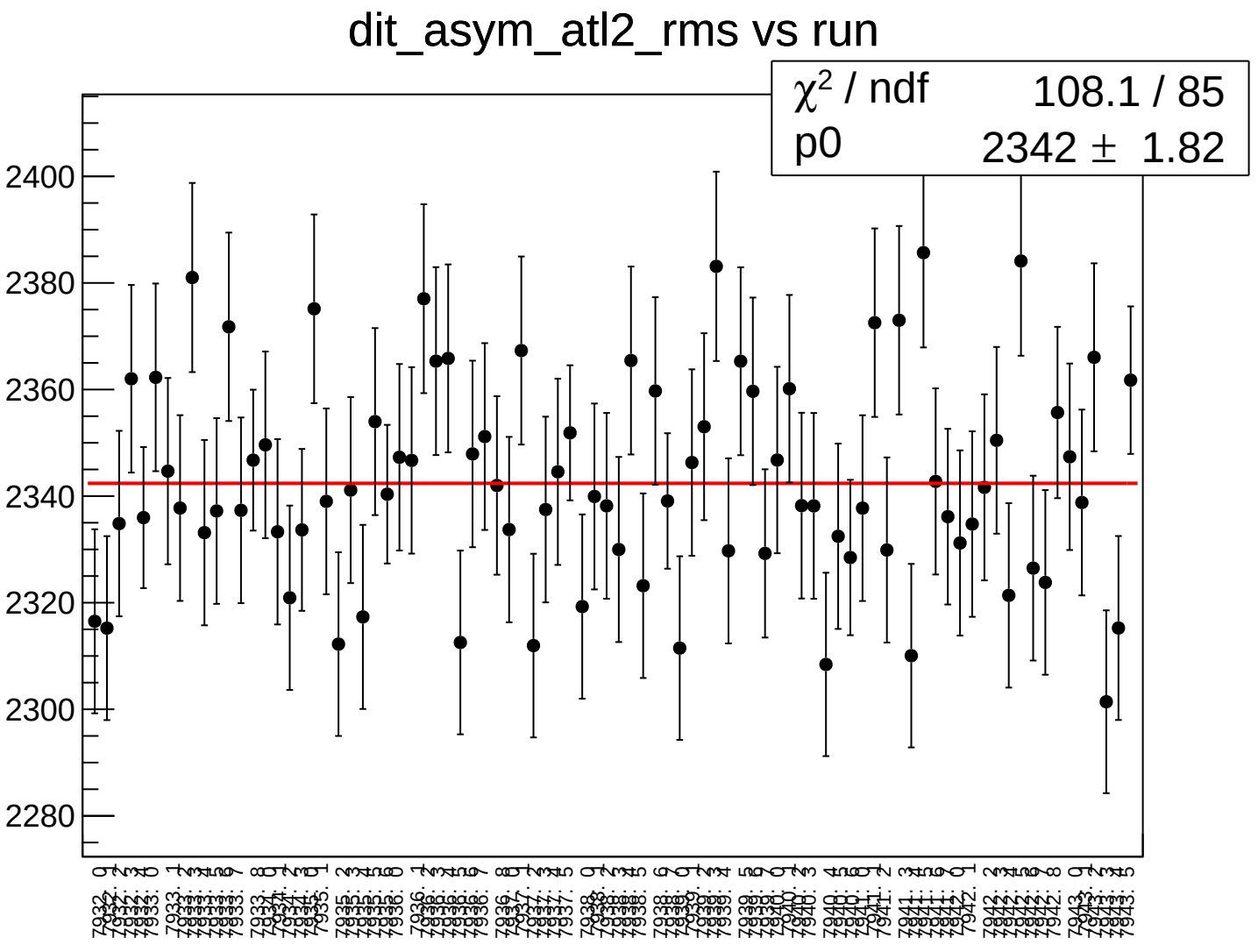

asym_atl1_mean vs run
χ² / ndf 66.78 / 85
p0 856.4 ± 2770
pull
Entries 86
Mean −83.03
Std Dev 122.4

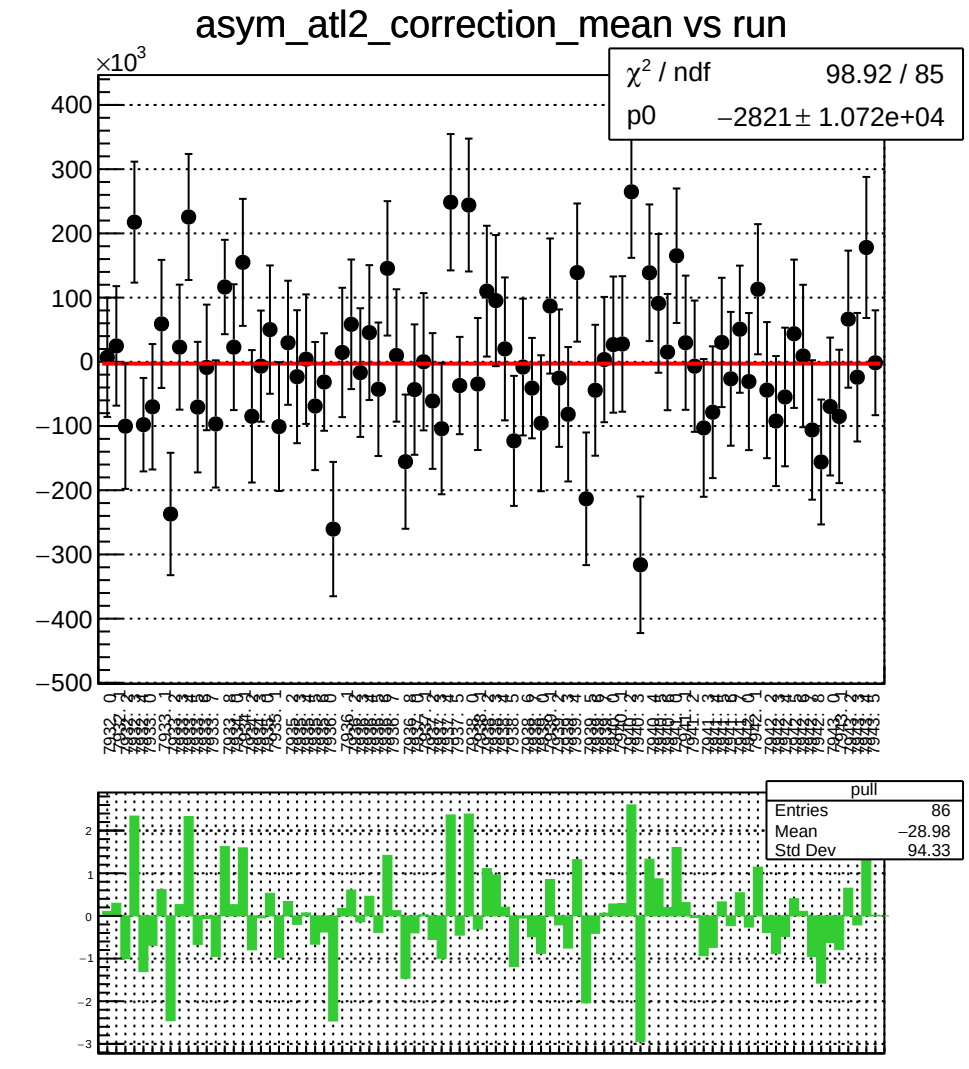

pull1D
Entries 86
Mean −0.02109
Std Dev 0.881

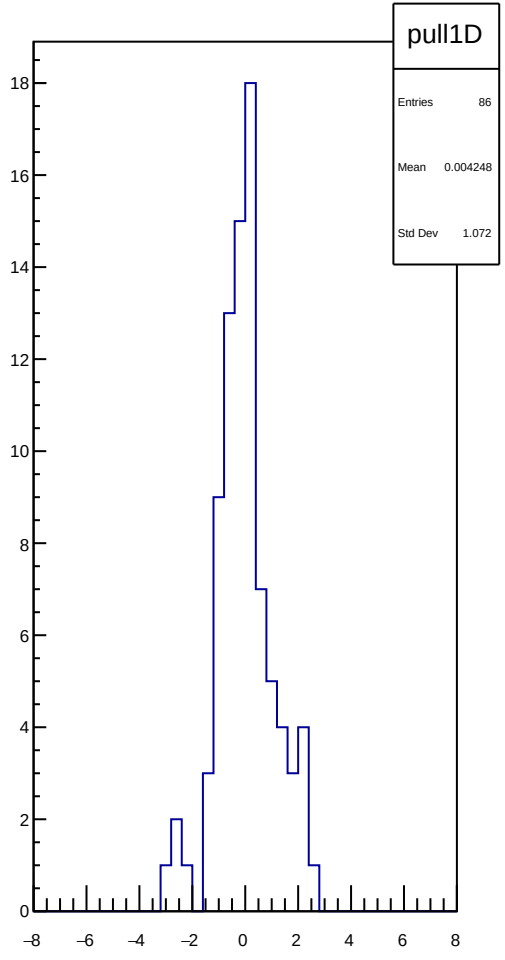

asym_atl1_rms vs run
χ² / ndf 1.078e+04 / 85
p0 2513 ± 1.959
10000
8000
6000
4000
2000

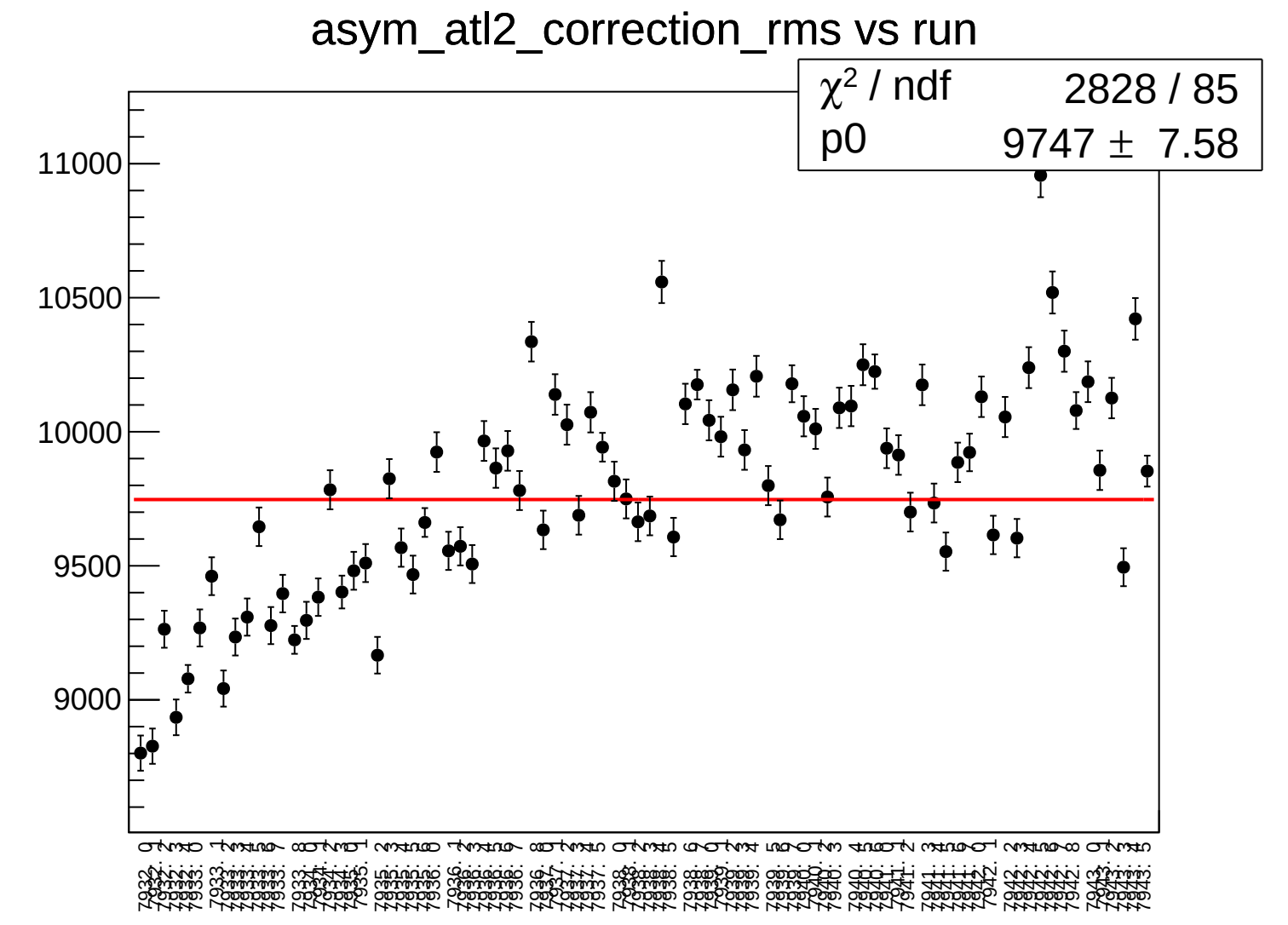

dit_asym_atl2_mean vs run
χ² / ndf 76.77 / 85
p0 −4912 ± 2574
pull
Entries 86
Mean 829.9
Std Dev 755.6

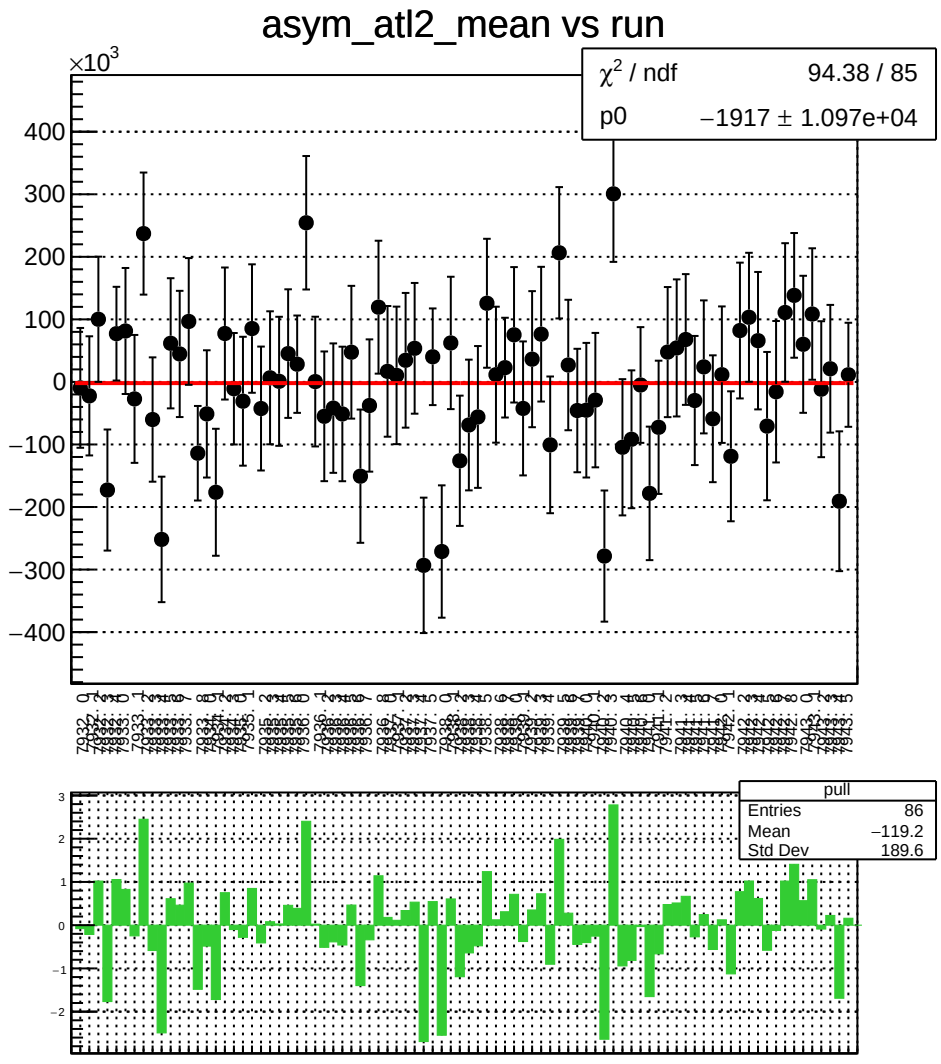

pull1D
Entries 86
Mean 0.002407
Std Dev 0.9448

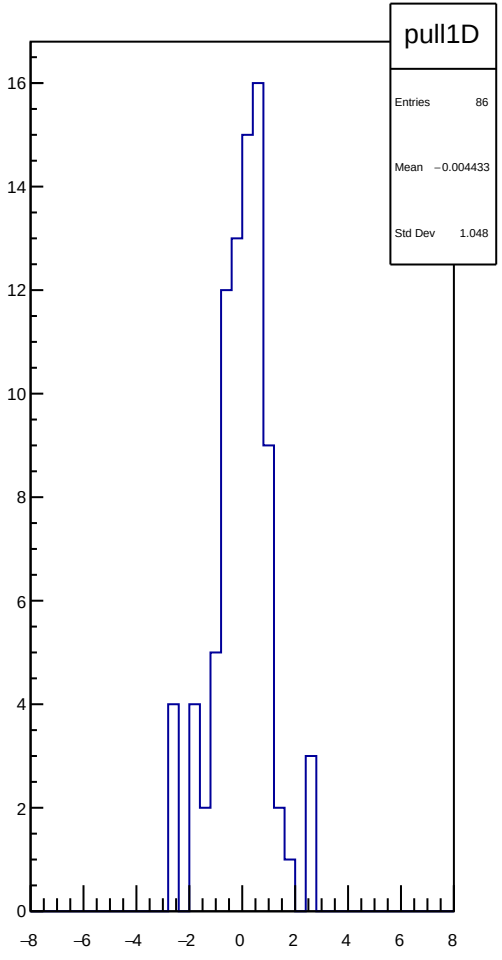

dit_asym_atl2_rms vs run
χ² / ndf 108.1 / 85
p0 2342 ± 1.82
2400
2380
2360
2340
2320
2300
2280

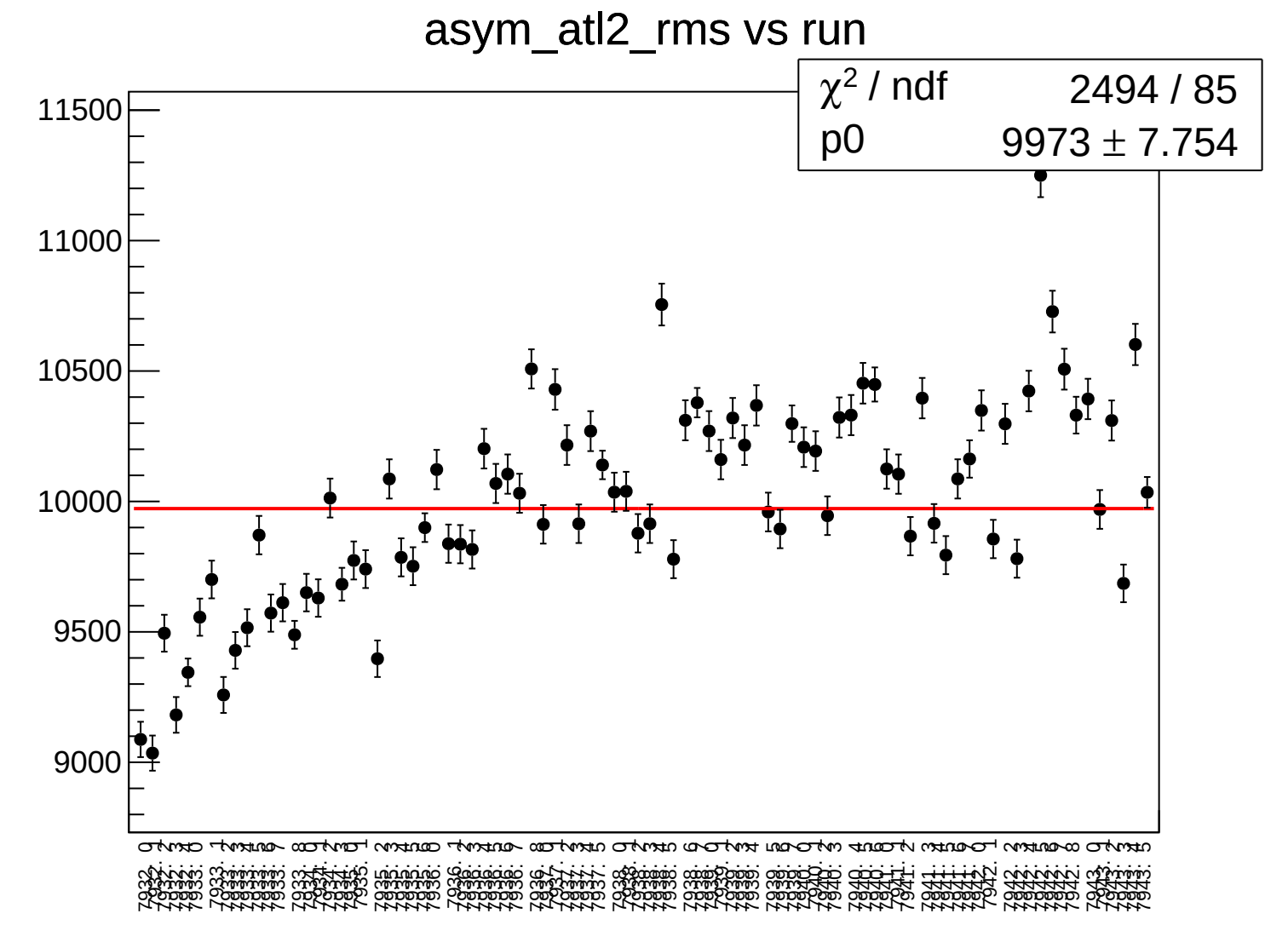

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 98.92 / 85
p0 −2821 ± 1.072e+04
pull
Entries 86
Mean −28.98
Std Dev 94.33

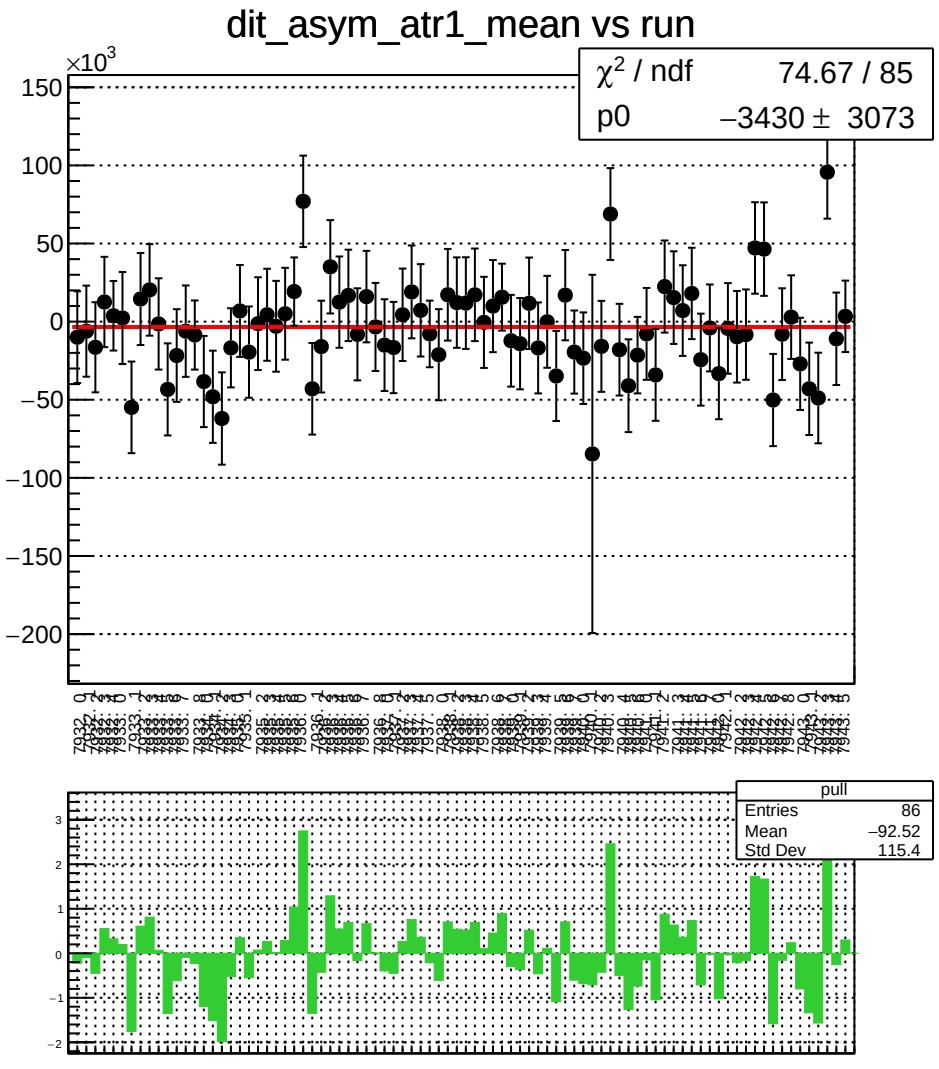

pull1D
Entries 86
Mean 0.004248
Std Dev 1.072

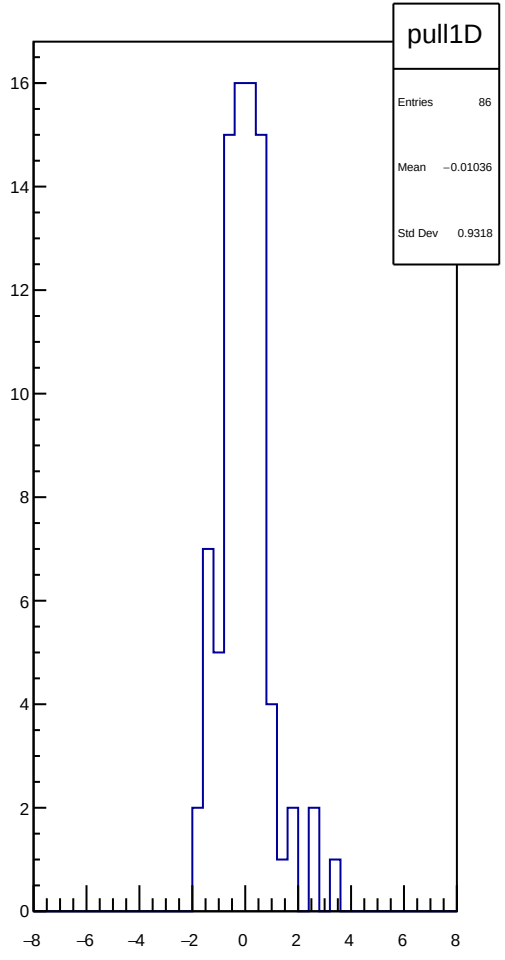

asym_atl2_correction_rms vs run
χ^2 / ndf 2828 / 85
p0 9747 ± 7.58
11000
10500
10000
9500
9000

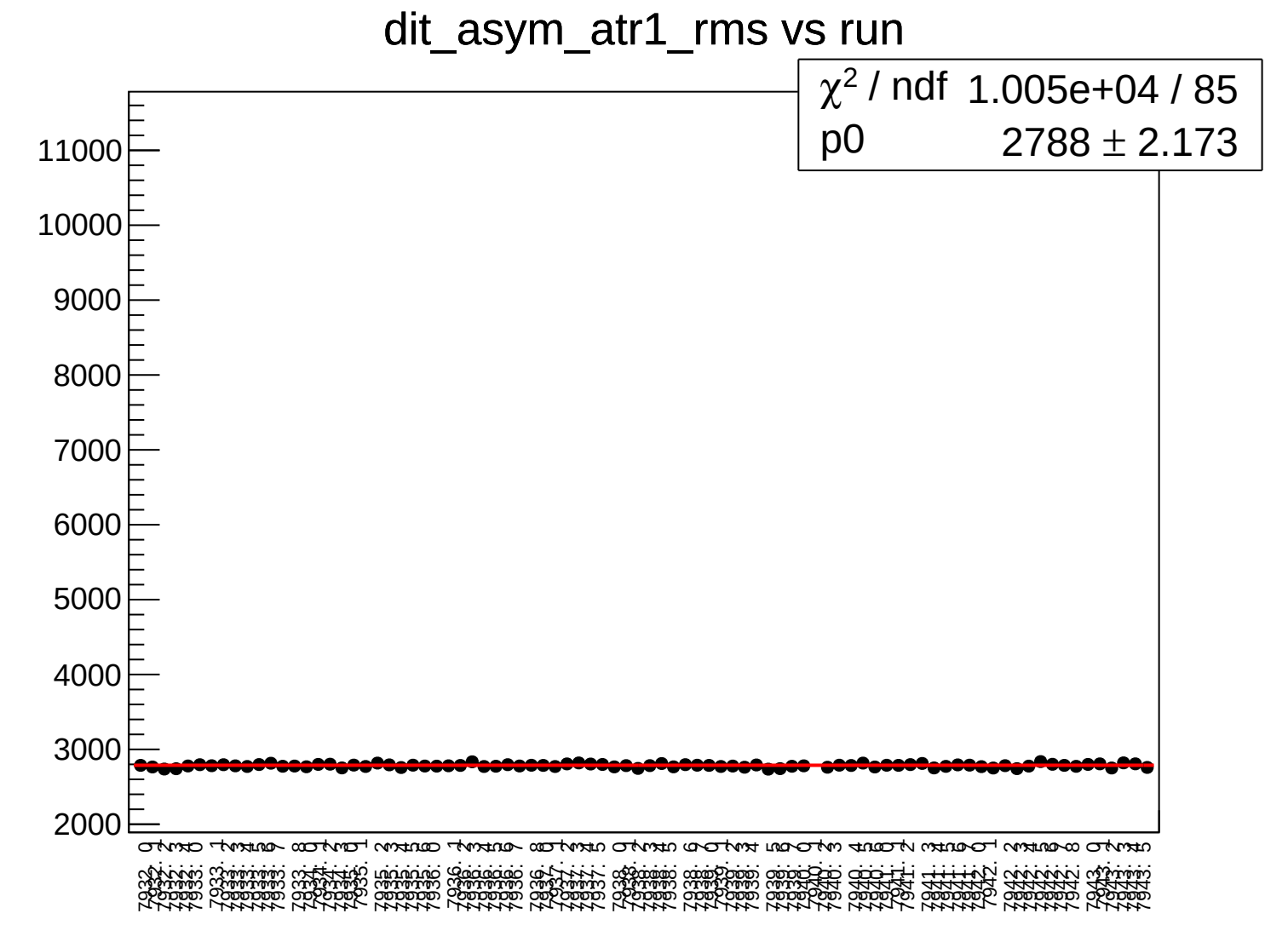

asym_atl2_mean vs run
×10^3
χ² / ndf 94.38 / 85
p0 −1917 ± 1.097e+04
pull
Entries 86
Mean −119.2
Std Dev 189.6

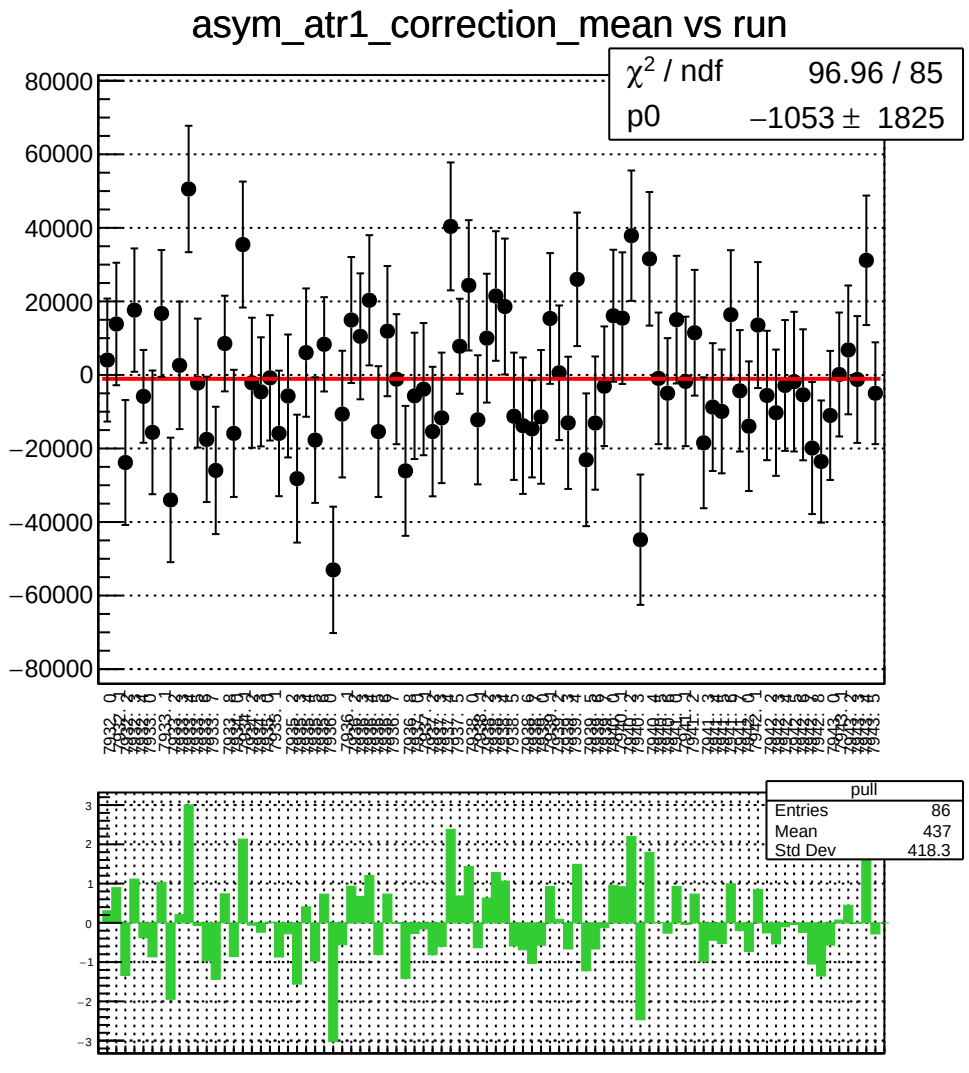

pull1D
Entries 86
Mean −0.004433
Std Dev 1.048

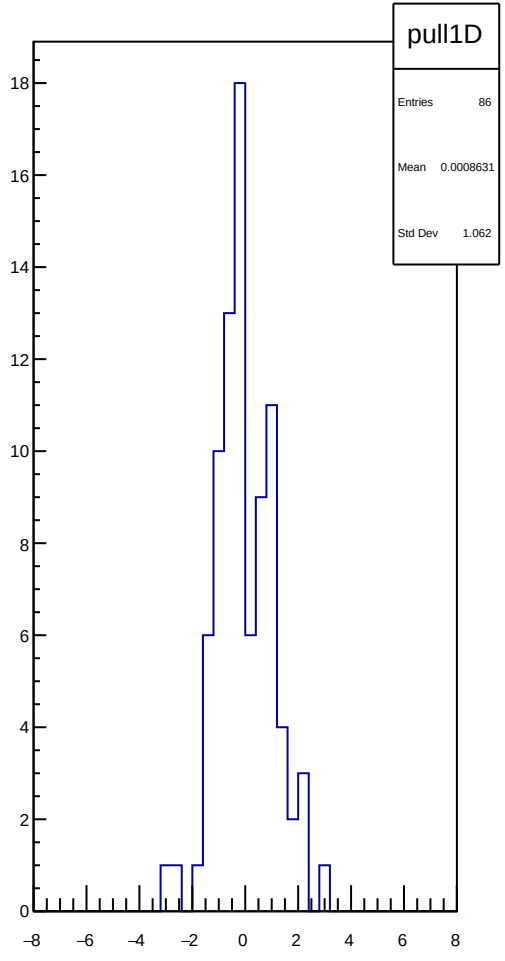

asym_atl2_rms vs run
χ^2 / ndf 2494 / 85
p0 9973 ± 7.754
11500
11000
10500
10000
9500
9000

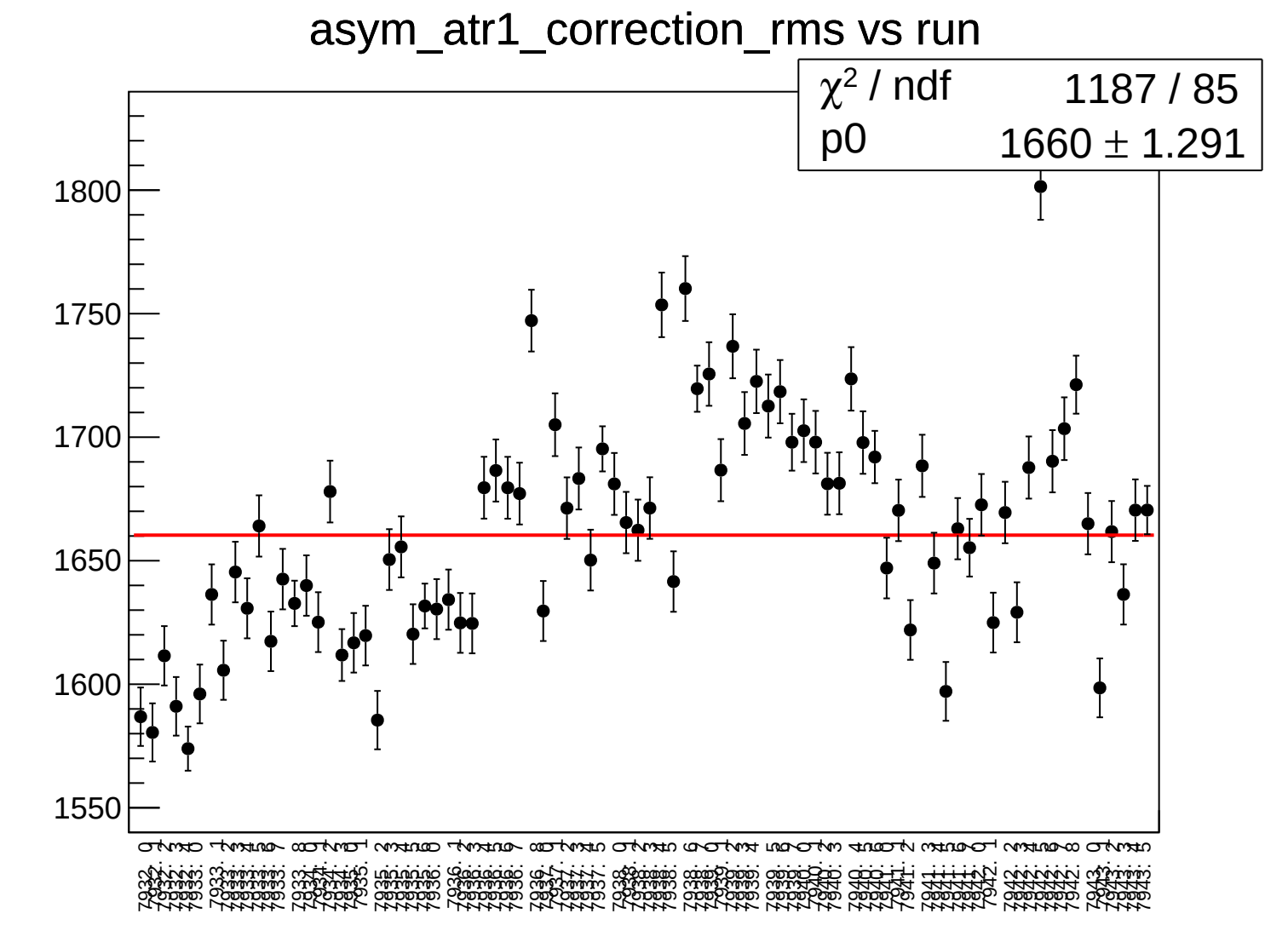

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 74.67 / 85
p0 −3430 ± 3073
pull
Entries 86
Mean −92.52
Std Dev 115.4

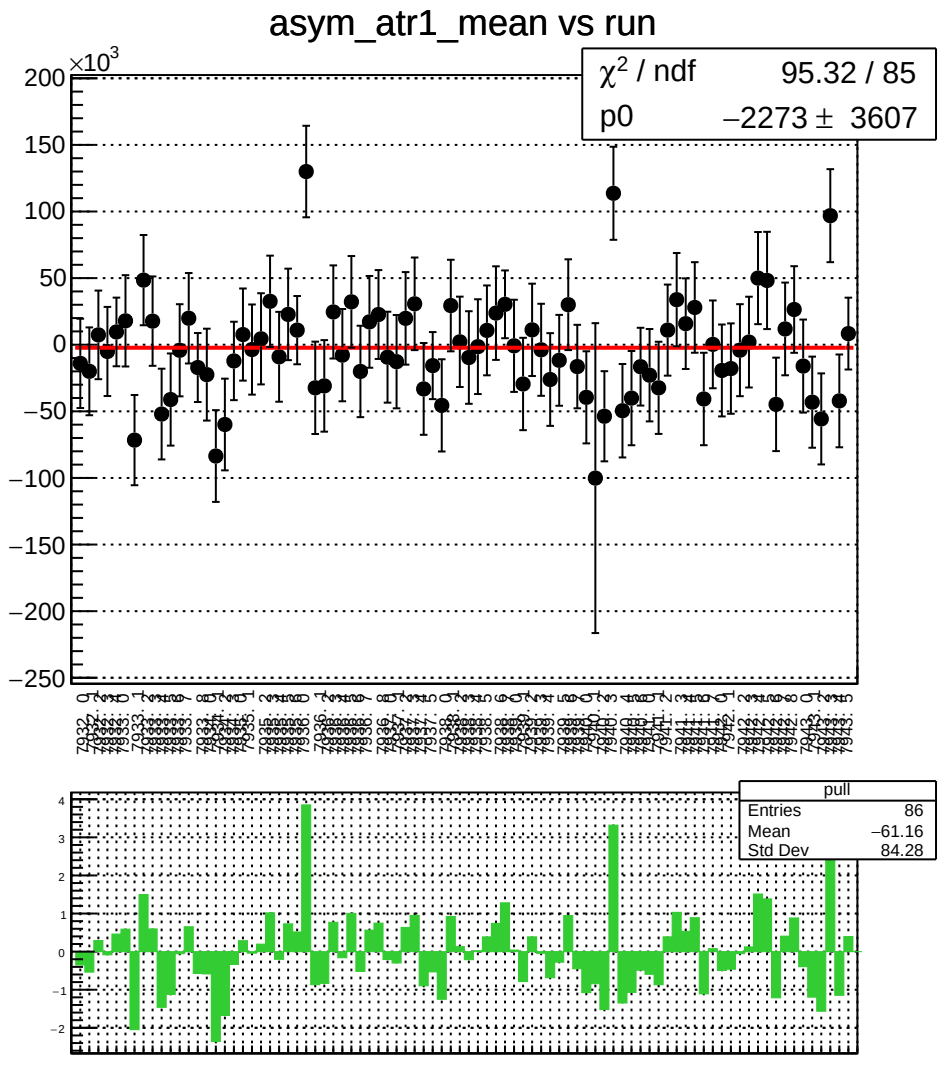

pull1D
Entries 86
Mean −0.01036
Std Dev 0.9318

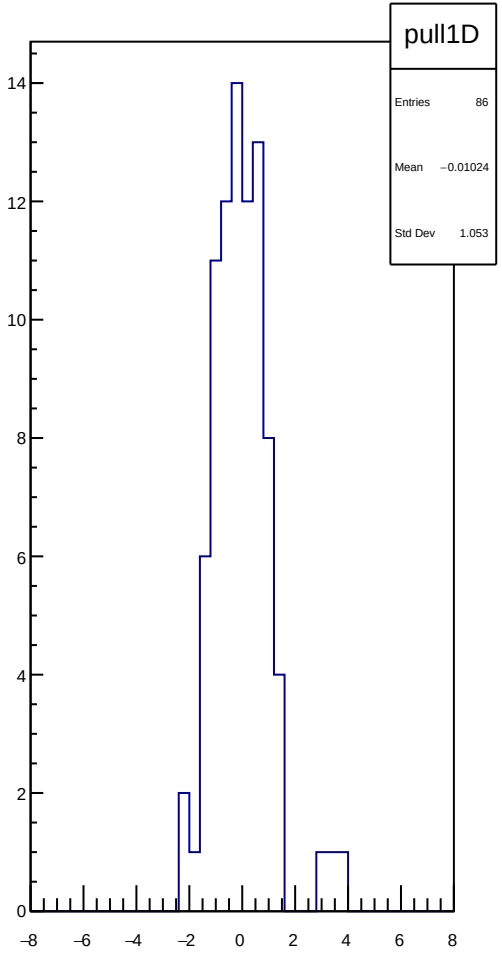

dit_asym_atr1_rms vs run
χ^2 / ndf 1.005e+04 / 85
p0 2788 ± 2.173
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

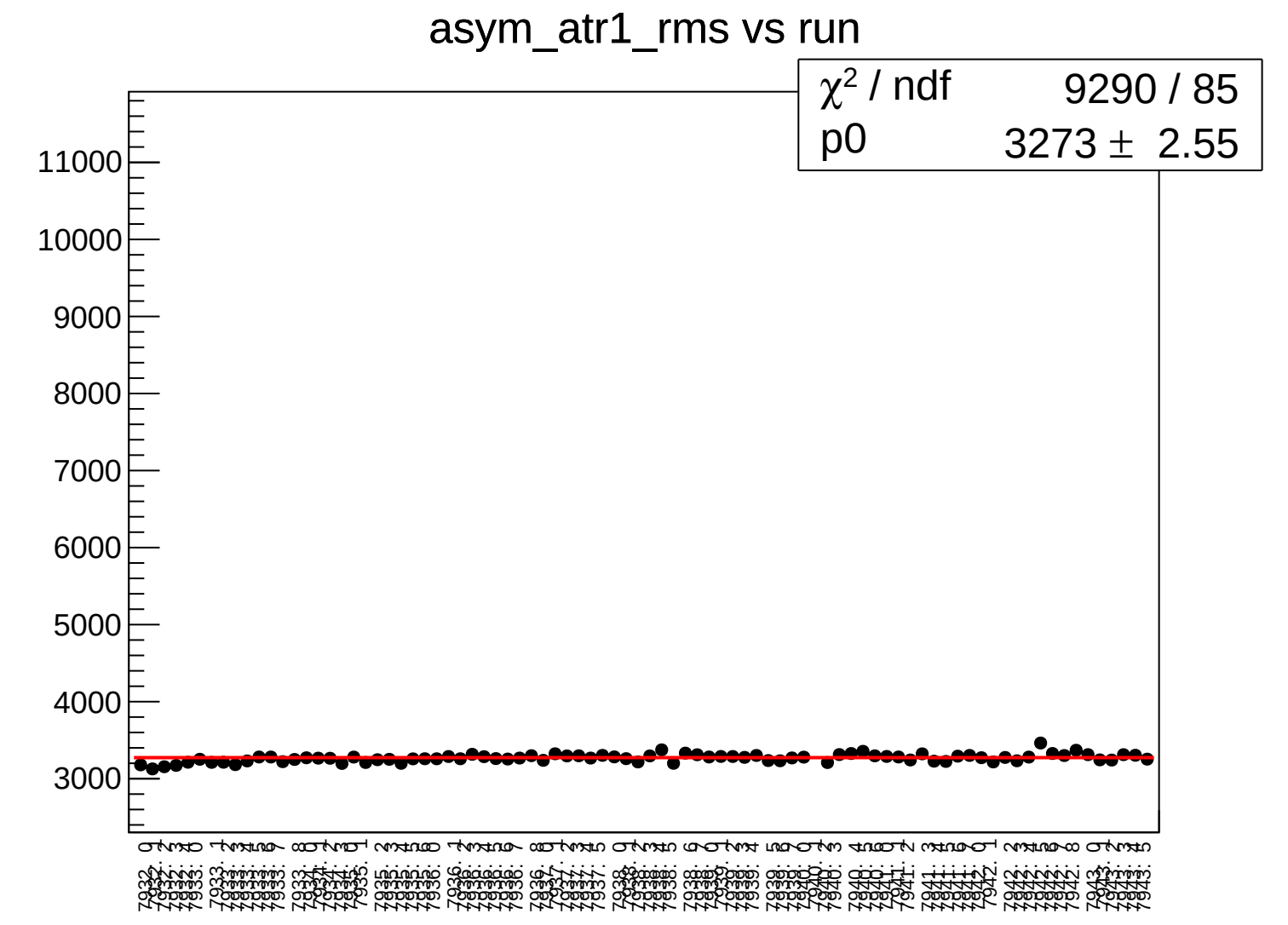

asym_atr1_correction_mean vs run
χ² / ndf 96.96 / 85
p0 −1053 ± 1825
pull
Entries 86
Mean 437
Std Dev 418.3

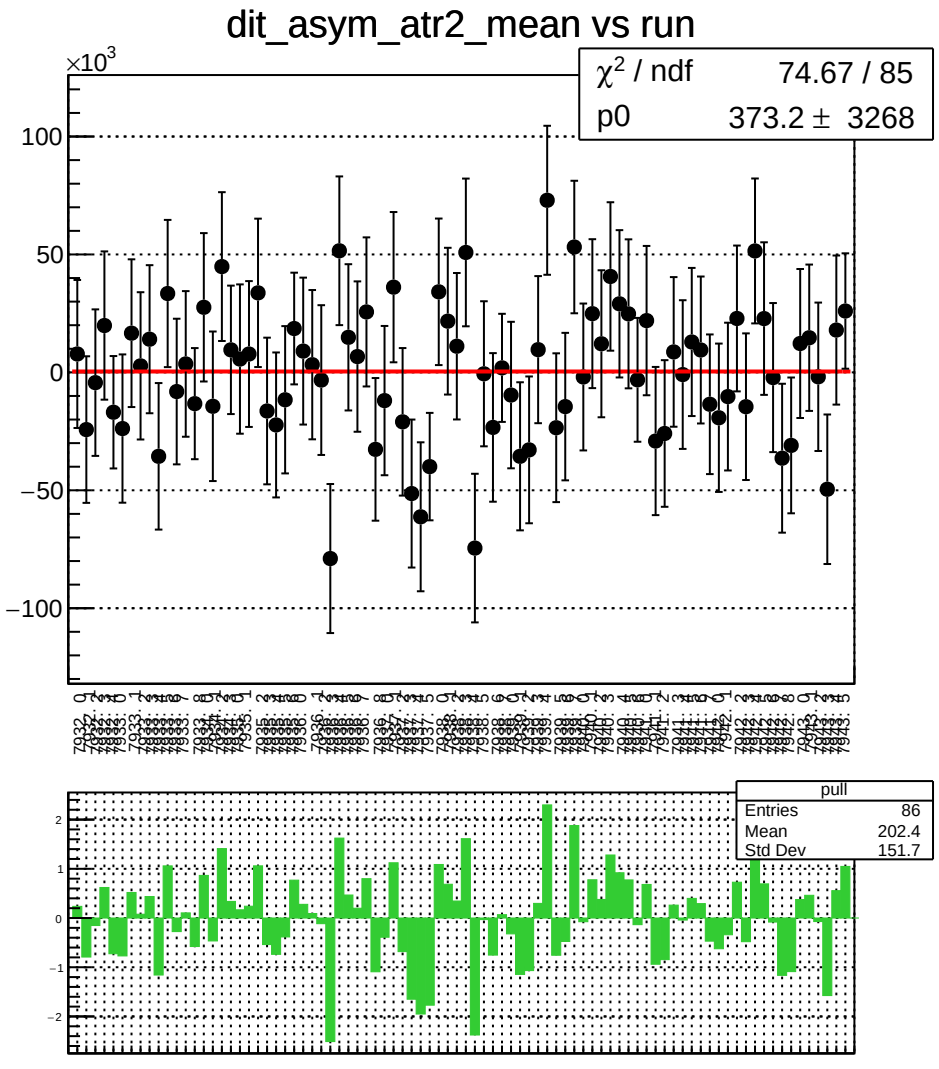

pull1D
Entries 86
Mean 0.0008631
Std Dev 1.062

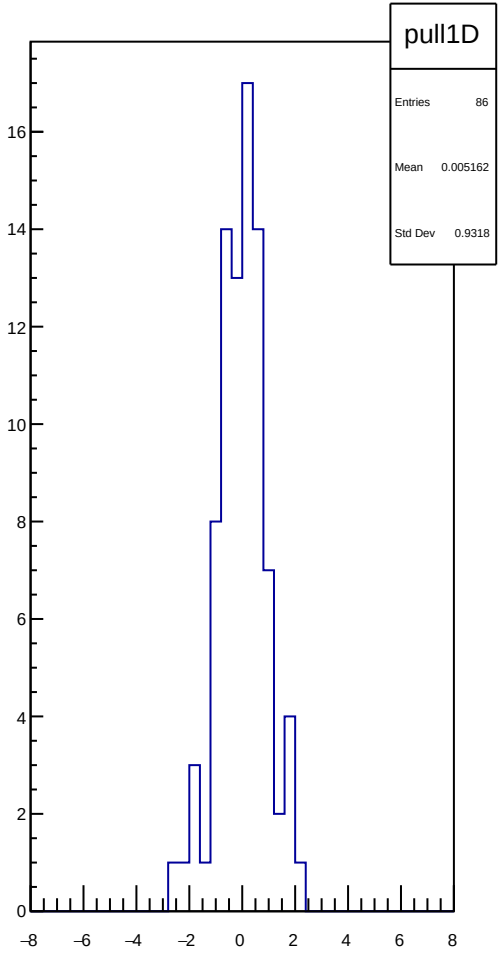

asym_atr1_correction_rms vs run
χ² / ndf 1187 / 85
p0 1660 ± 1.291
1800
1750
1700
1650
1600
1550

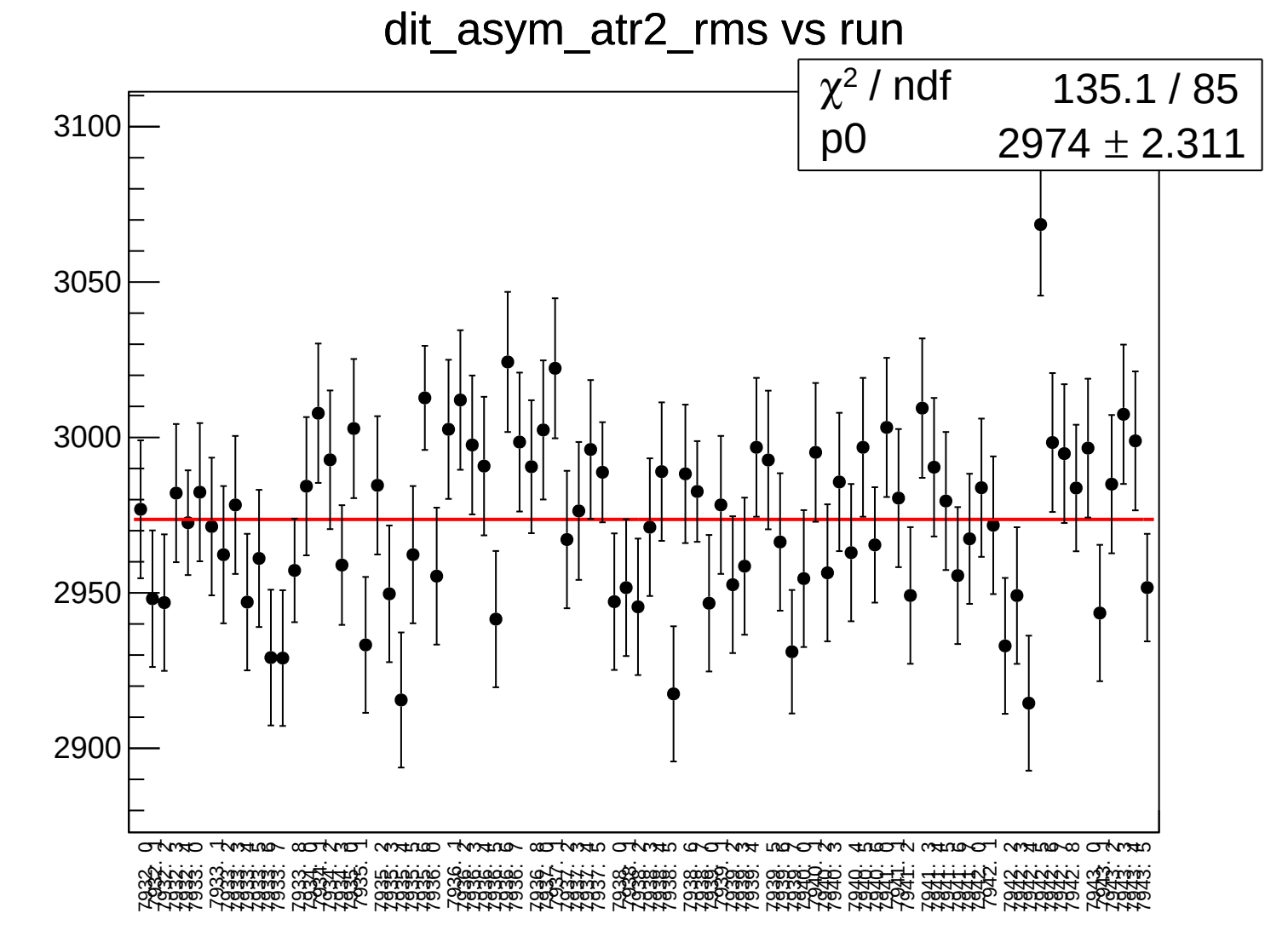

asym_atr1_mean vs run
×10^3
χ² / ndf 95.32 / 85
p0 −2273 ± 3607
pull
Entries 86
Mean −61.16
Std Dev 84.28

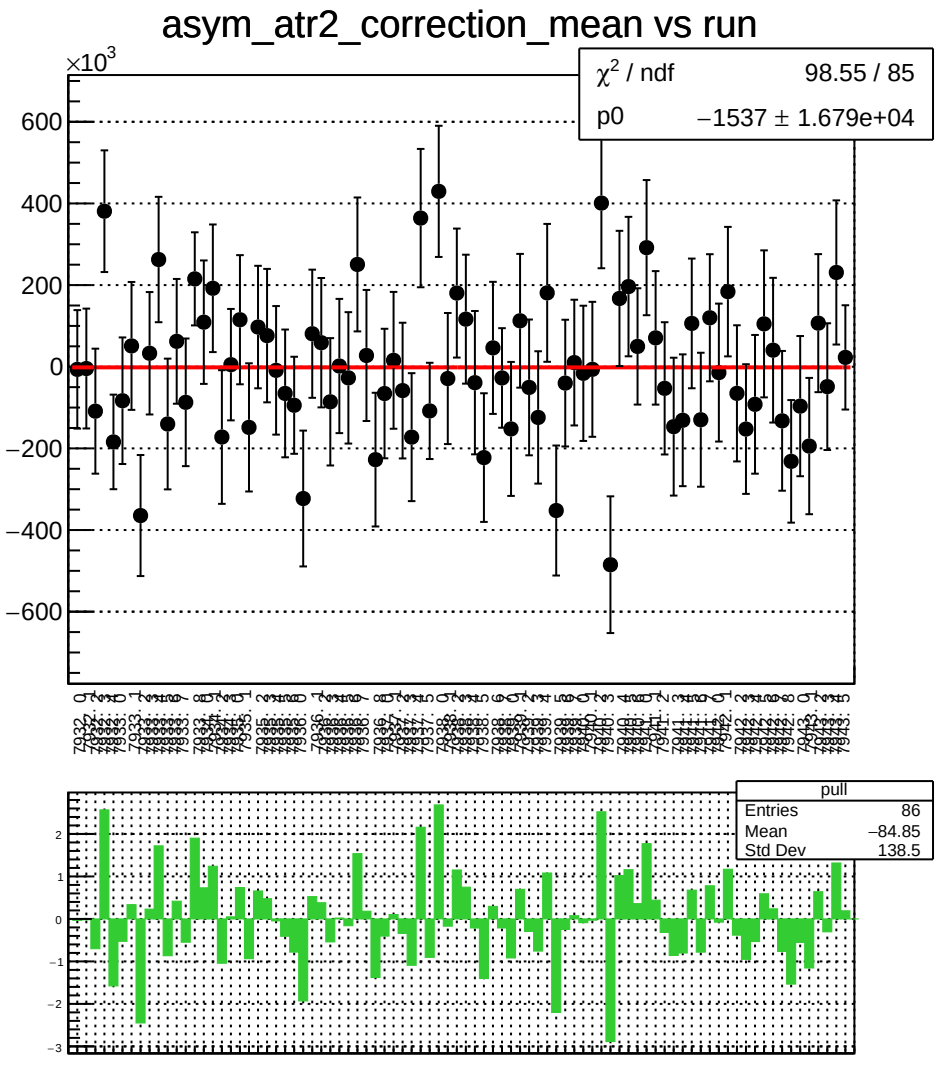

pull1D
Entries 86
Mean −0.01024
Std Dev 1.053

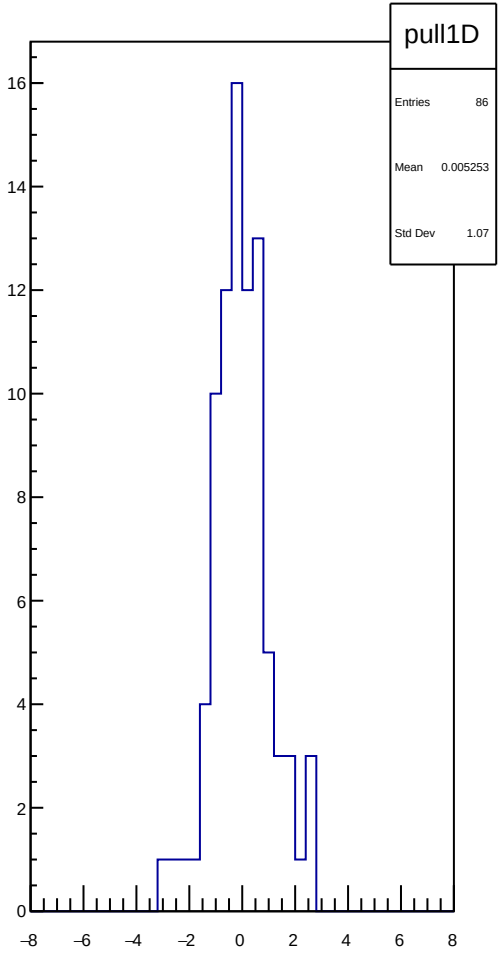

asym_atr1_rms vs run
χ^2 / ndf 9290 / 85
p0 3273 ± 2.55
11000
10000
9000
8000
7000
6000
5000
4000
3000

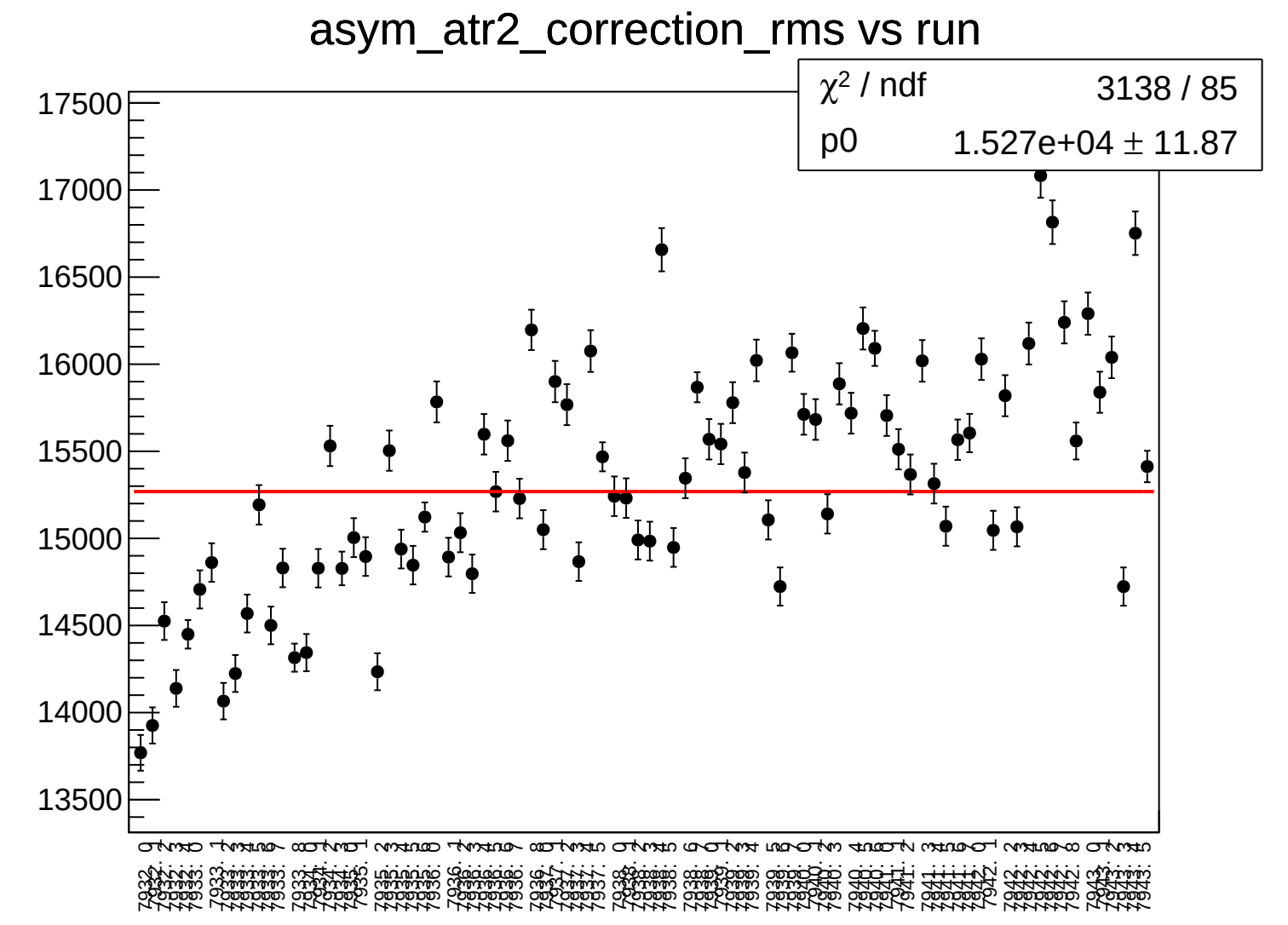

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 74.67 / 85
p0 373.2 ± 3268
100
50
0
−50
−100
pull
Entries 86
Mean 202.4
Std Dev 151.7
2
1
0
−1
−2

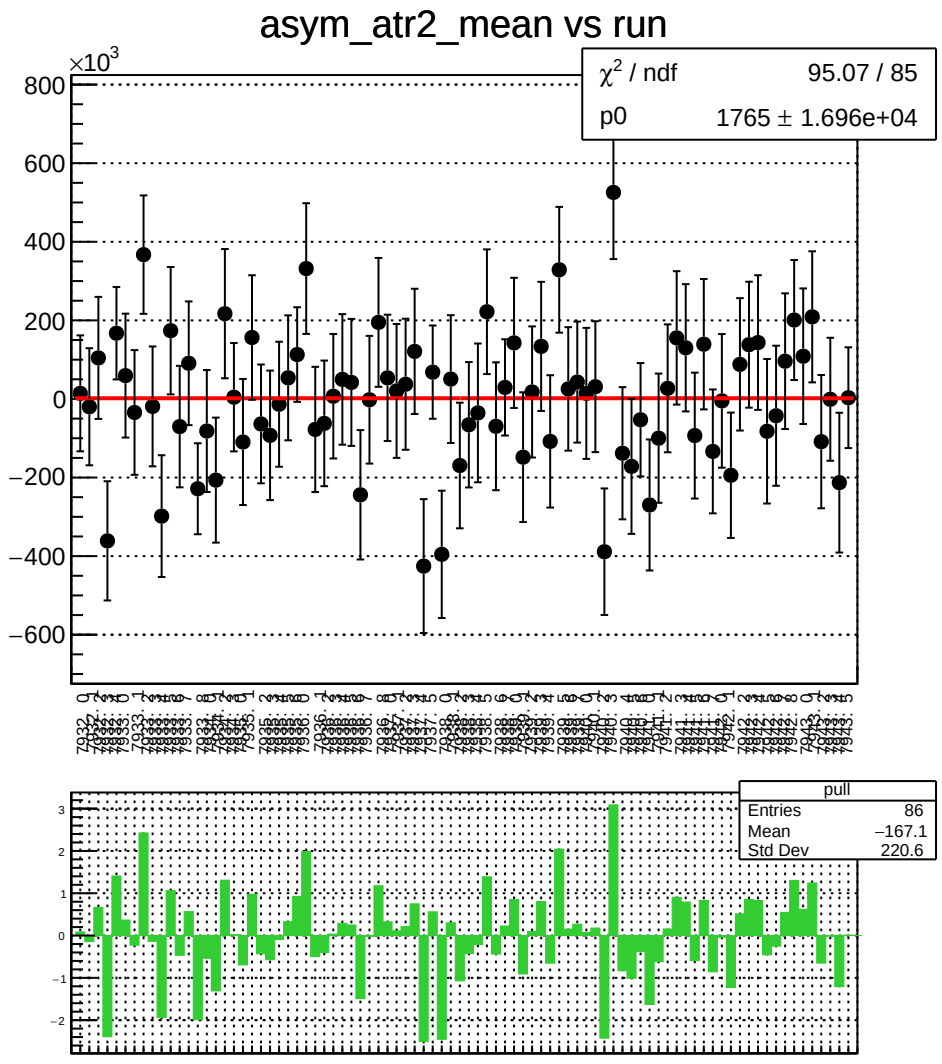

pull1D
Entries 86
Mean 0.005162
Std Dev 0.9318
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

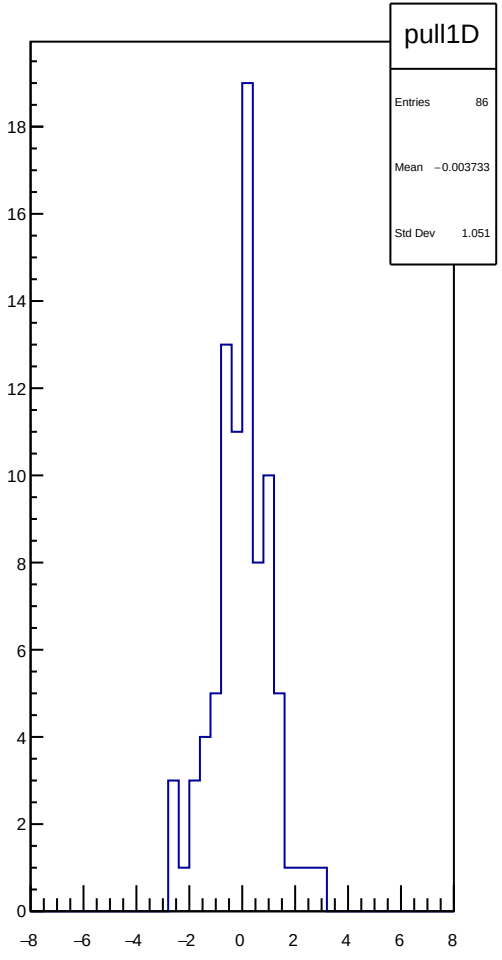

dit_asym_atr2_rms vs run
χ^2 / ndf 135.1 / 85
p0 2974 ± 2.311
3100
3050
3000
2950
2900

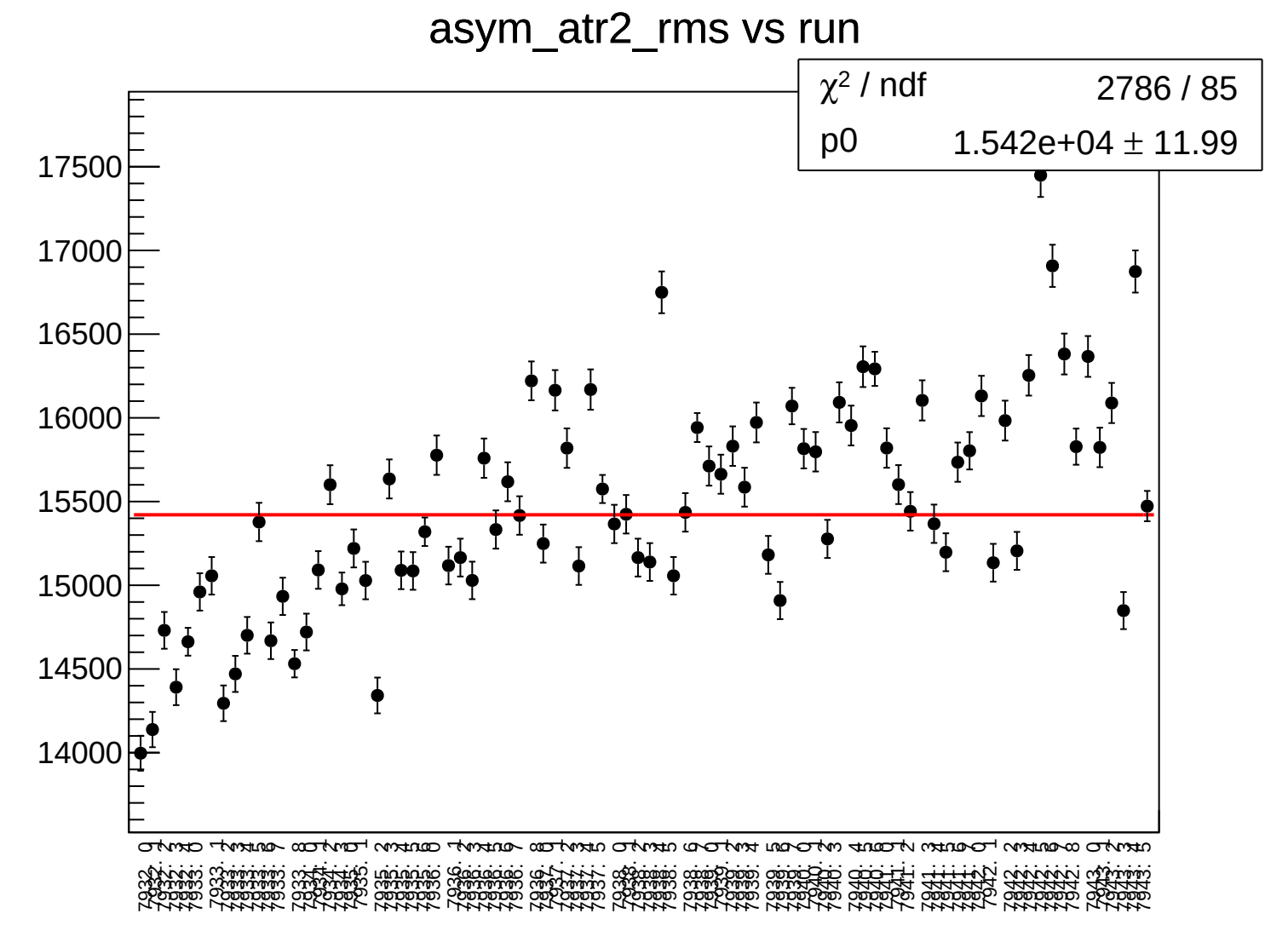

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 98.55 / 85
p0 −1537 ± 1.679e+04
pull
Entries 86
Mean −84.85
Std Dev 138.5

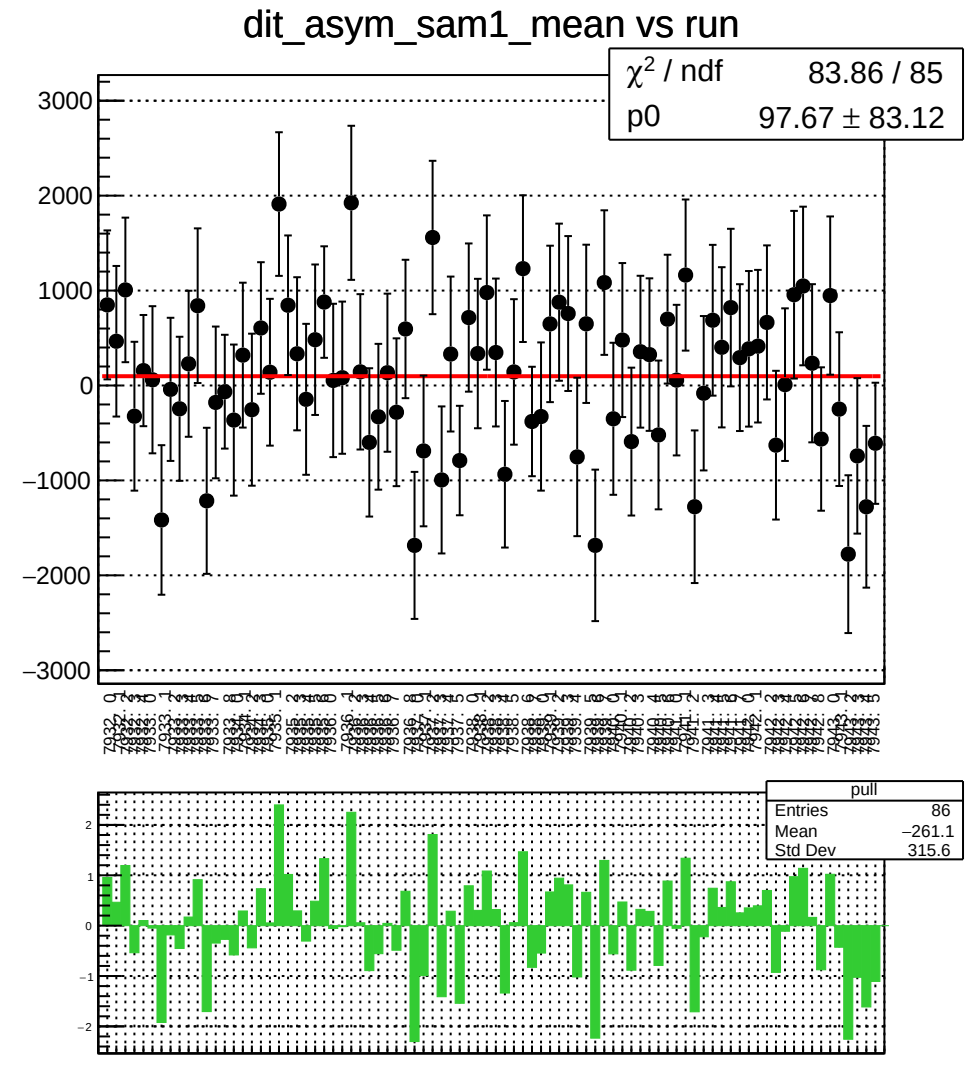

pull1D
Entries 86
Mean 0.005253
Std Dev 1.07

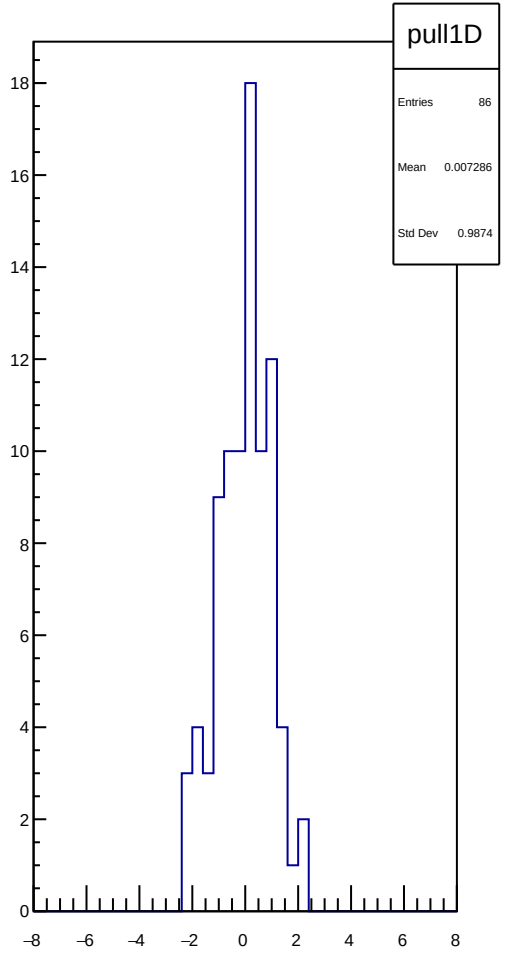

asym_atr2_correction_rms vs run
χ² / ndf 3138 / 85
p0 1.527e+04 ± 11.87
17500
17000
16500
16000
15500
15000
14500
14000
13500

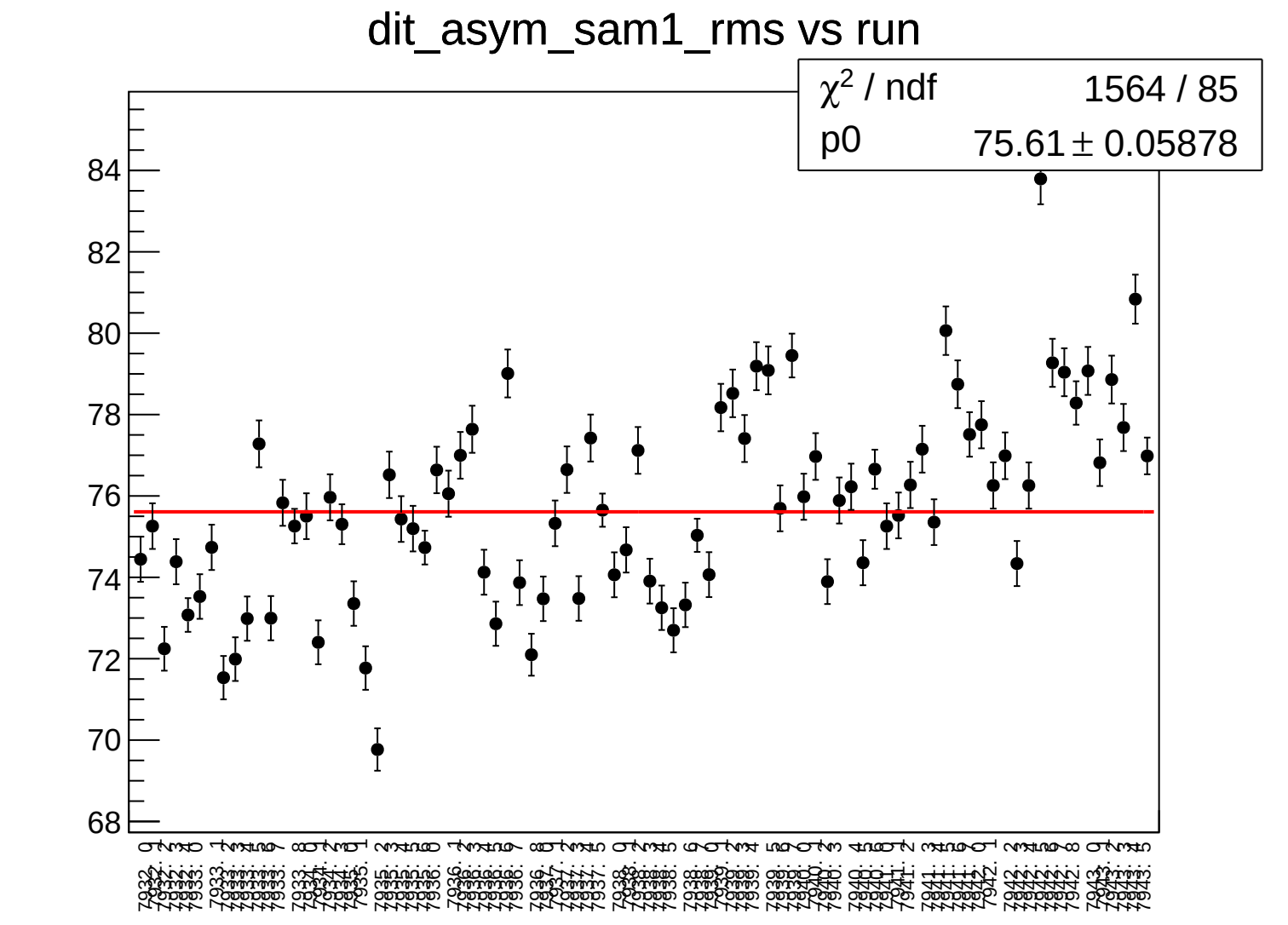

asym_atr2_mean vs run
×10^3
800
600
400
200
0
−200
−400
−600
χ² / ndf 95.07 / 85
p0 1765 ± 1.696e+04
pull
Entries 86
Mean −167.1
Std Dev 220.6
3
2
1
0
−1
−2

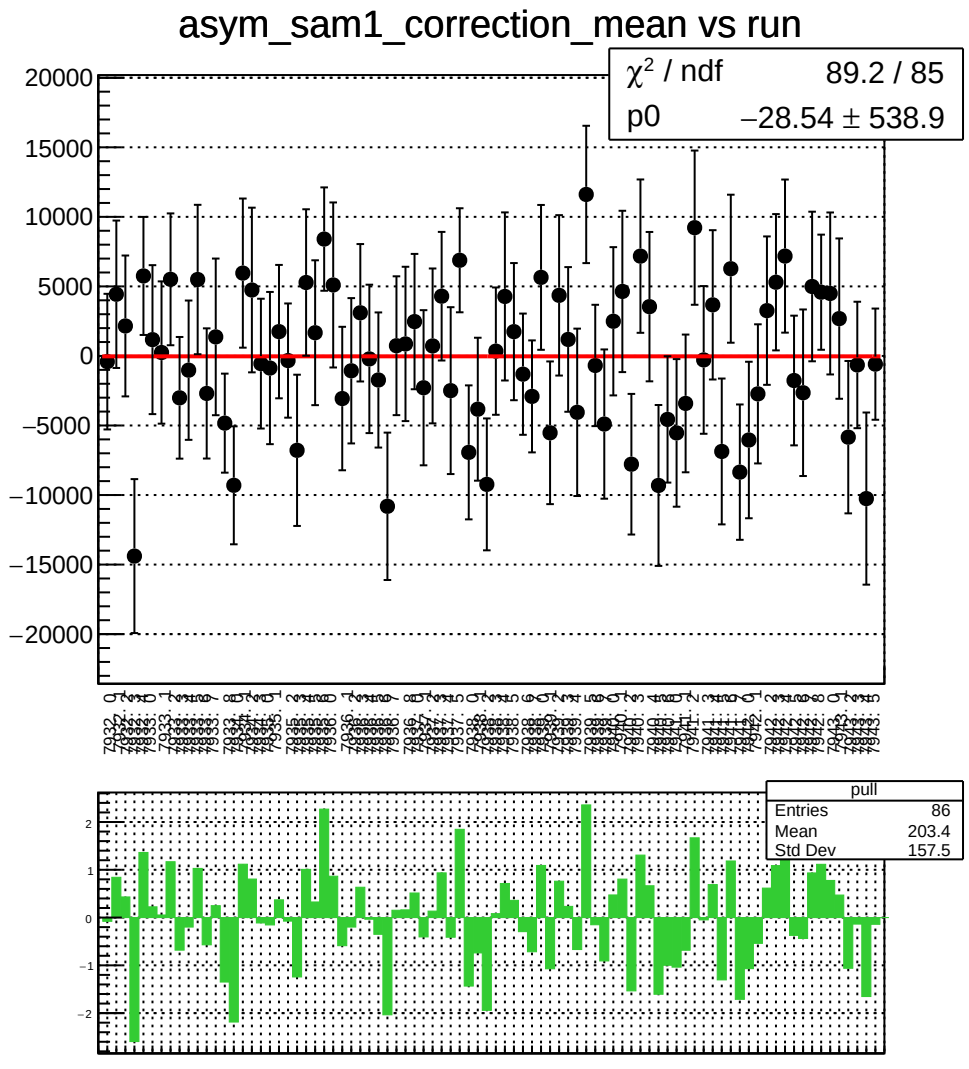

pull1D
Entries 86
Mean −0.003733
Std Dev 1.051
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

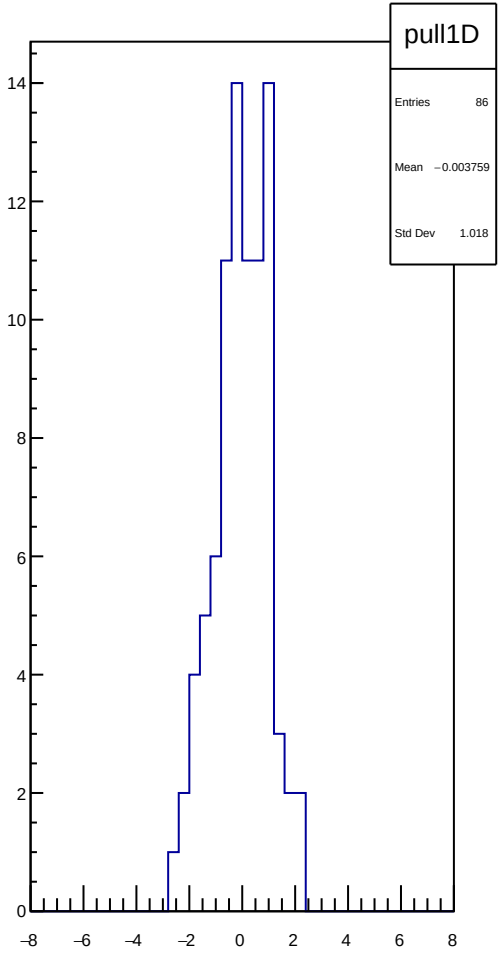

asym_atr2_rms vs run
χ² / ndf 2786 / 85
p0 1.542e+04 ± 11.99
17500
17000
16500
16000
15500
15000
14500
14000

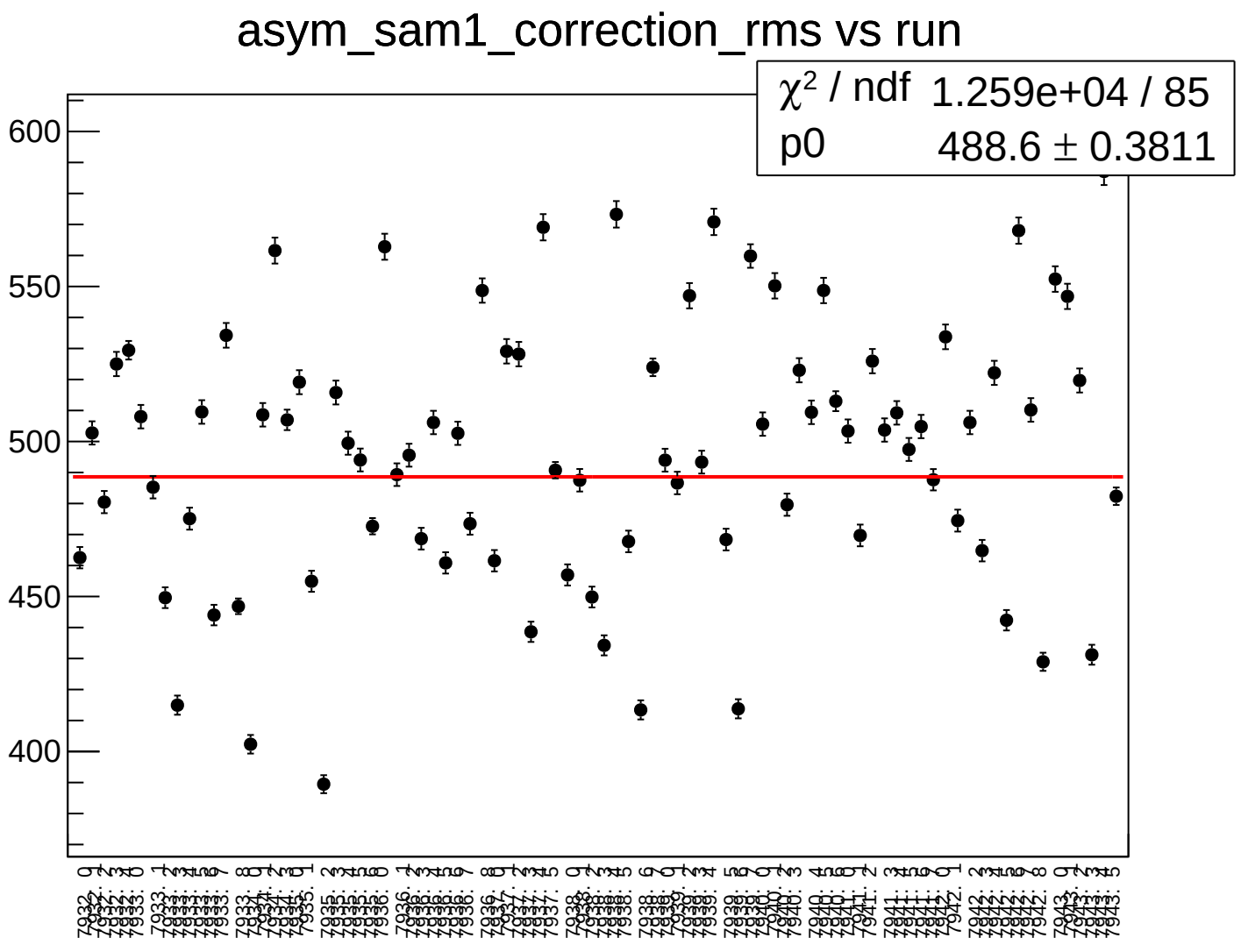

dit_asym_sam1_mean vs run
χ² / ndf 83.86 / 85
p0 97.67 ± 83.12
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 86
Mean −261.1
Std Dev 315.6
2
1
0
−1
−2

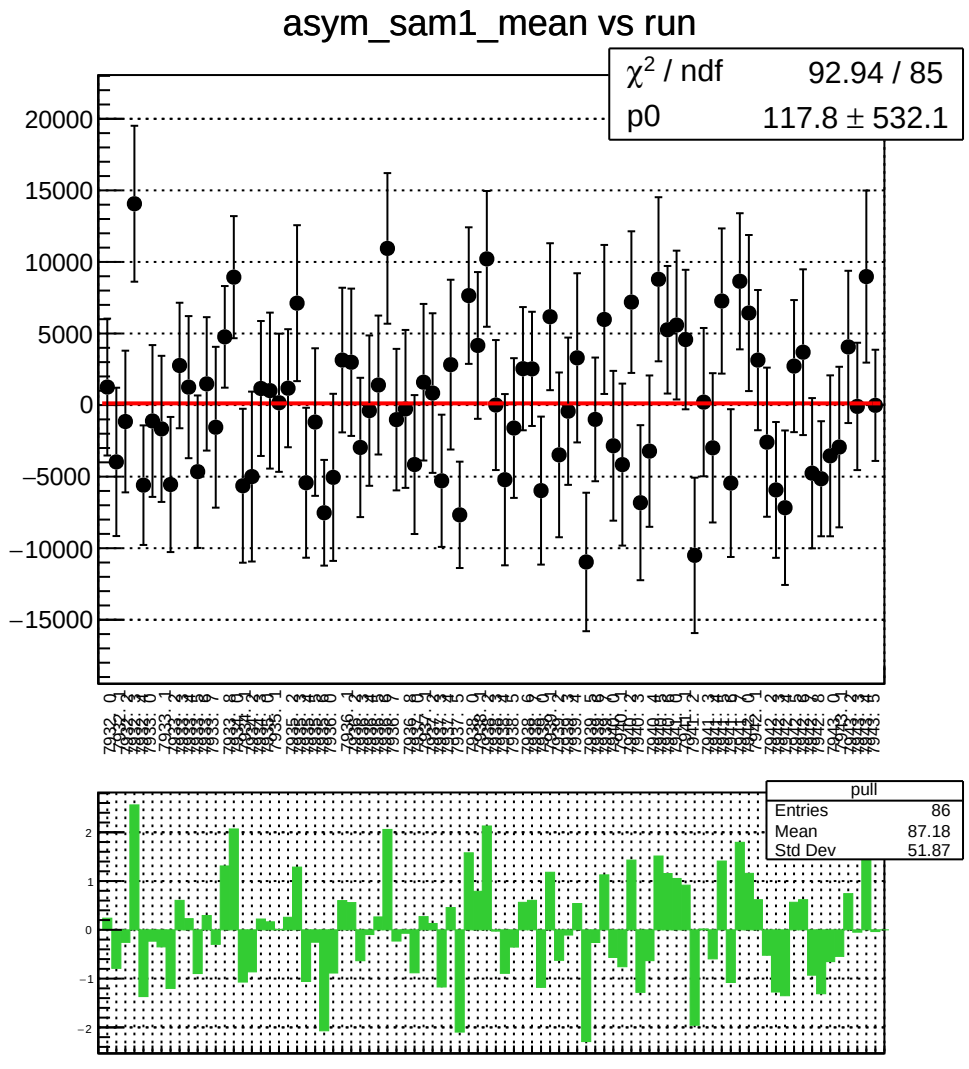

pull1D
Entries 86
Mean 0.007286
Std Dev 0.9874
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

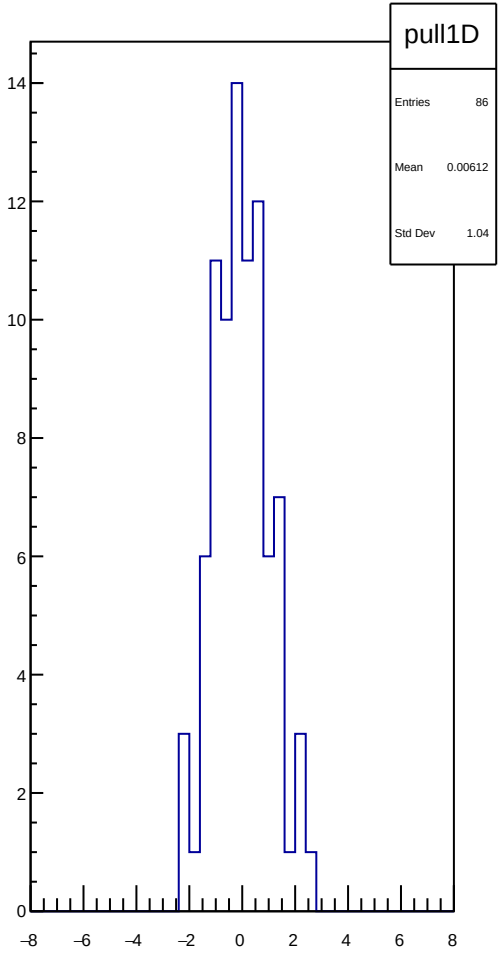

dit_asym_sam1_rms vs run
χ^2 / ndf 1564 / 85
p0 75.61 ± 0.05878
84
82
80
78
76
74
72
70
68

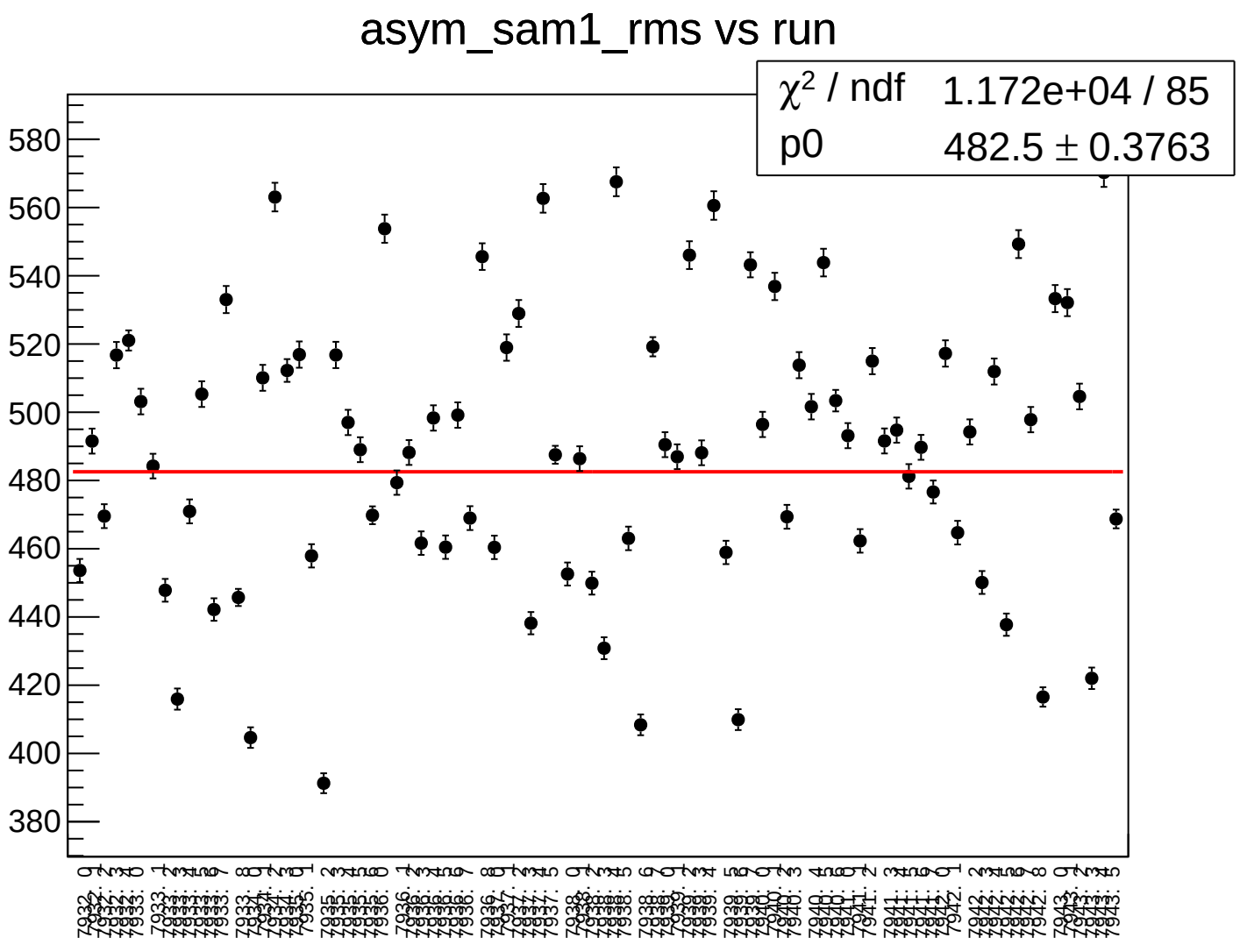

asym_sam1_correction_mean vs run
χ² / ndf 89.2 / 85
p0 −28.54 ± 538.9
pull
Entries 86
Mean 203.4
Std Dev 157.5

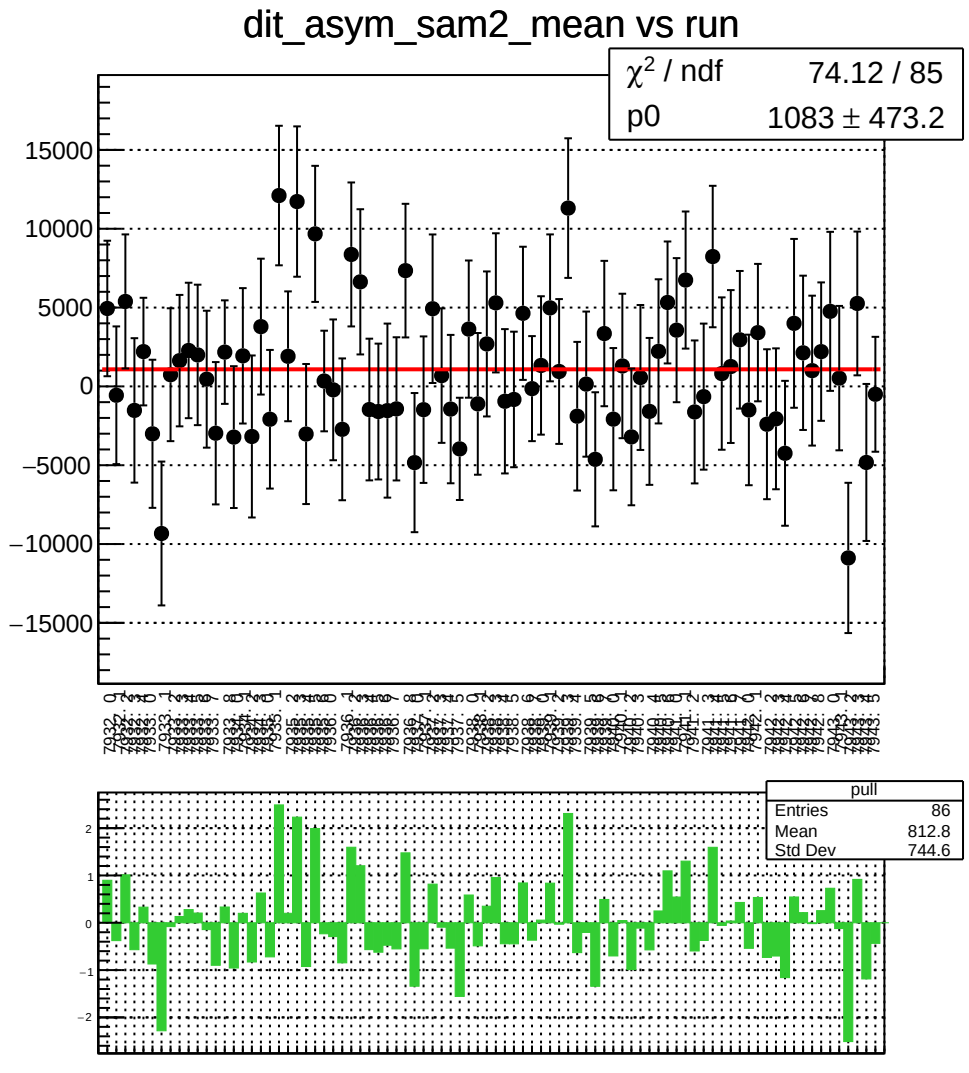

pull1D
Entries 86
Mean −0.003759
Std Dev 1.018

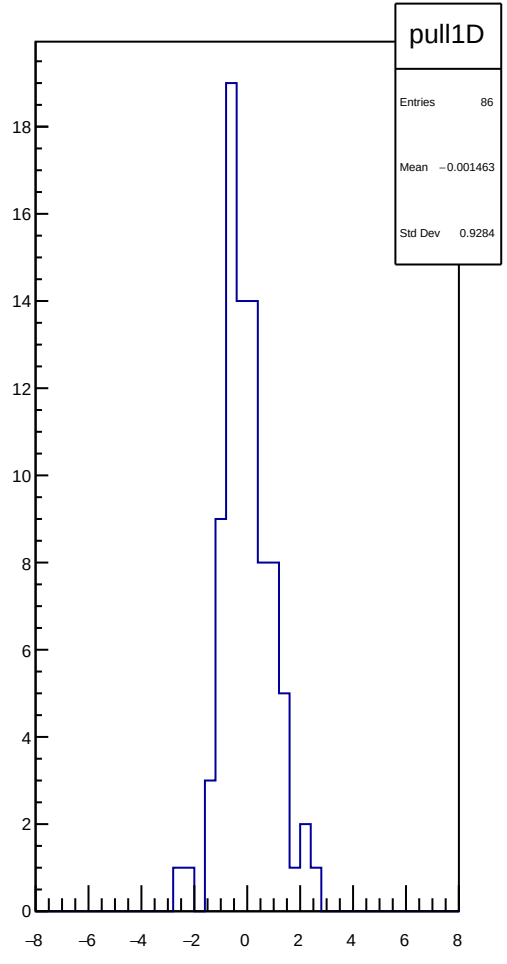

asym_sam1_correction_rms vs run
χ² / ndf 1.259e+04 / 85
p0 488.6 ± 0.3811
600
550
500
450
400

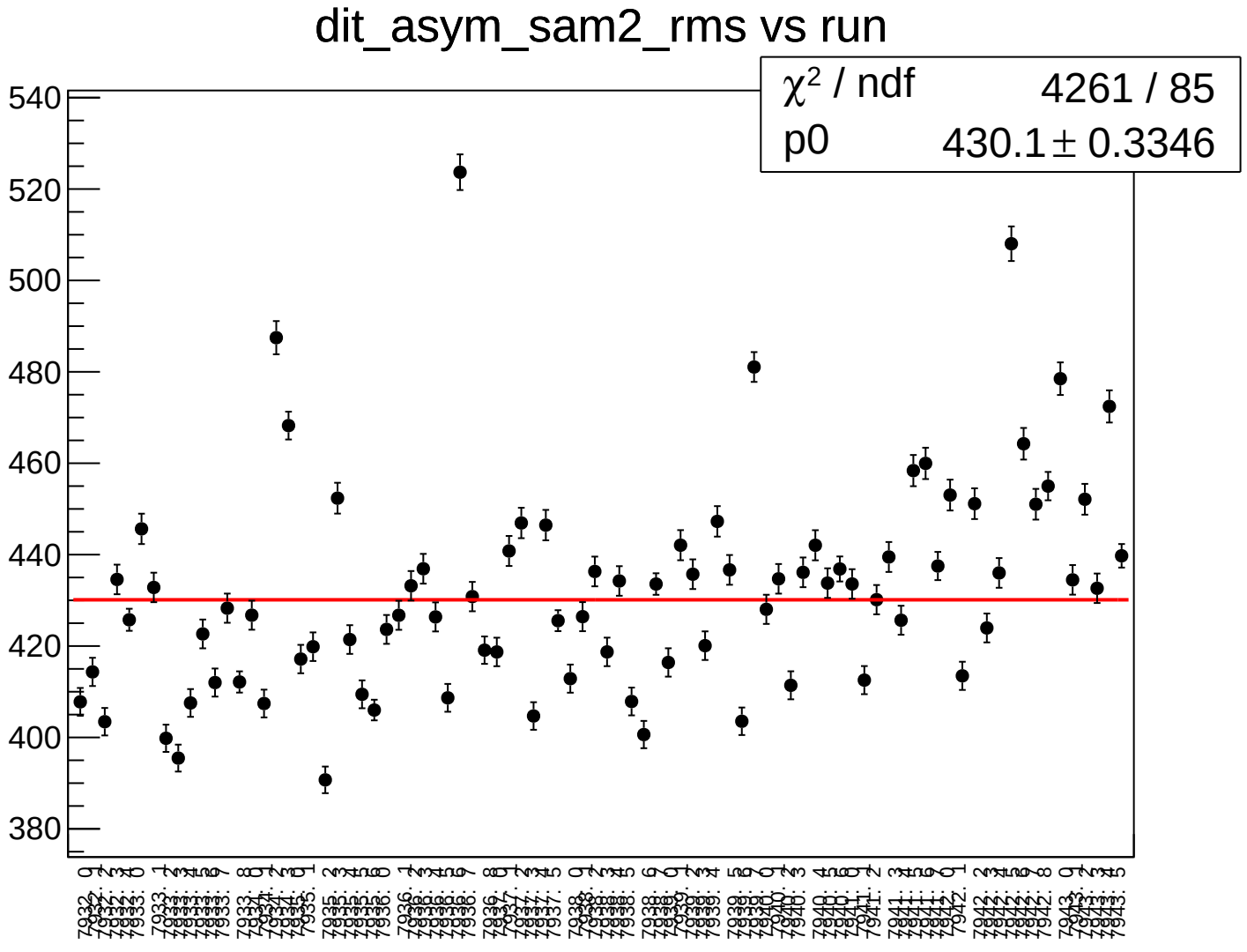

asym_sam1_mean vs run
χ² / ndf 92.94 / 85
p0 117.8 ± 532.1
pull
Entries 86
Mean 87.18
Std Dev 51.87

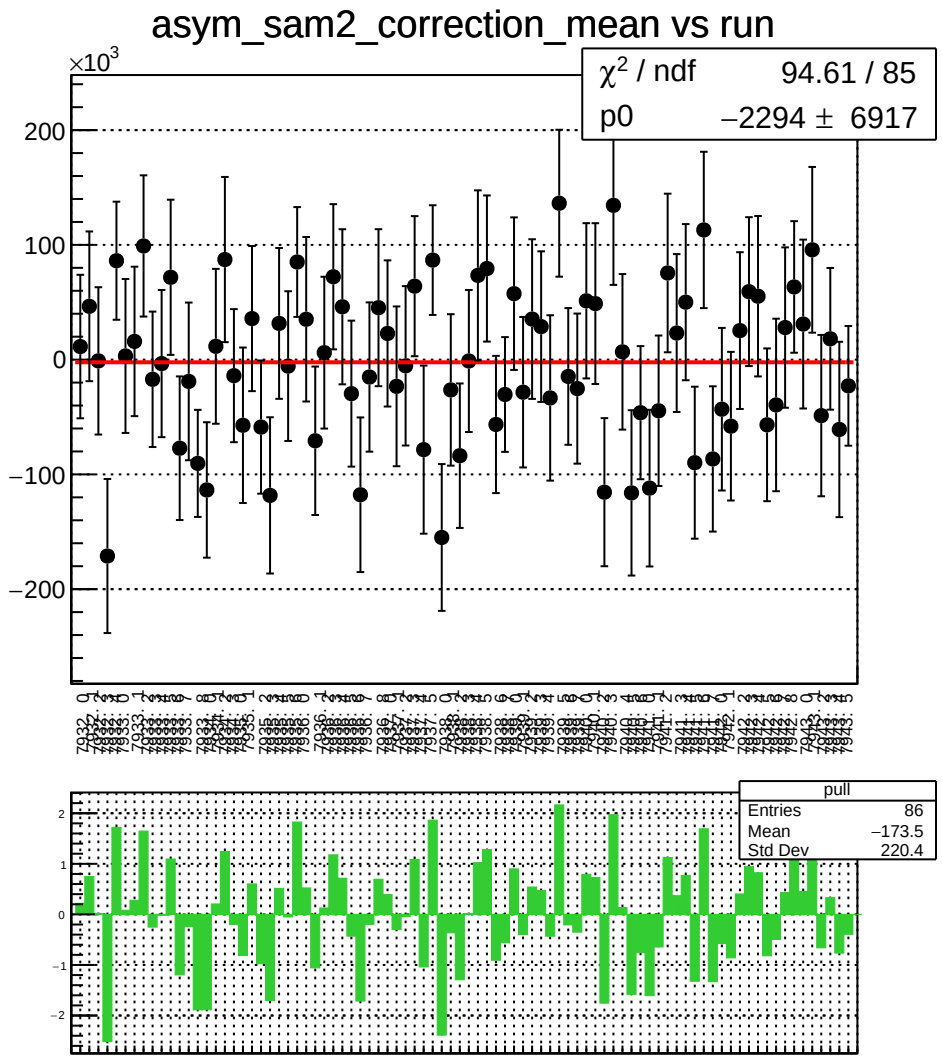

pull1D
Entries 86
Mean 0.00612
Std Dev 1.04

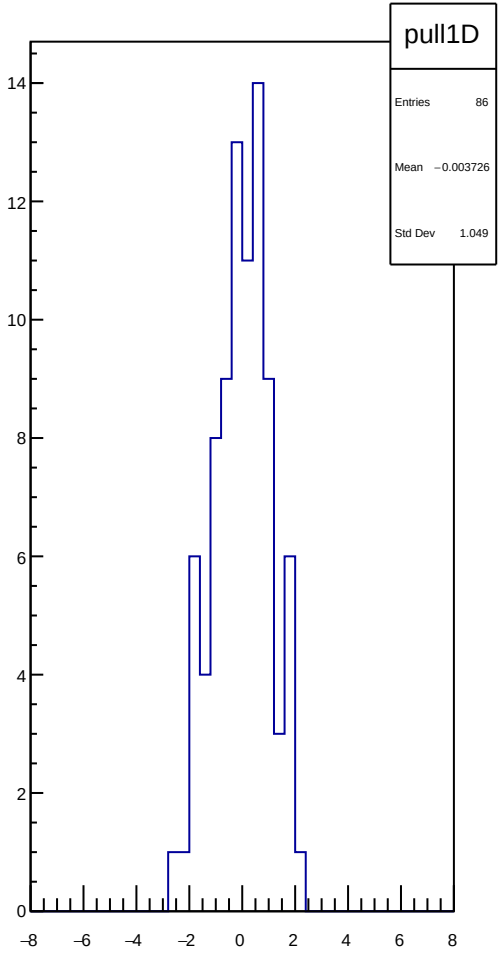

asym_sam1_rms vs run
χ² / ndf 1.172e+04 / 85
p0 482.5 ± 0.3763
580
560
540
520
500
480
460
440
420
400
380

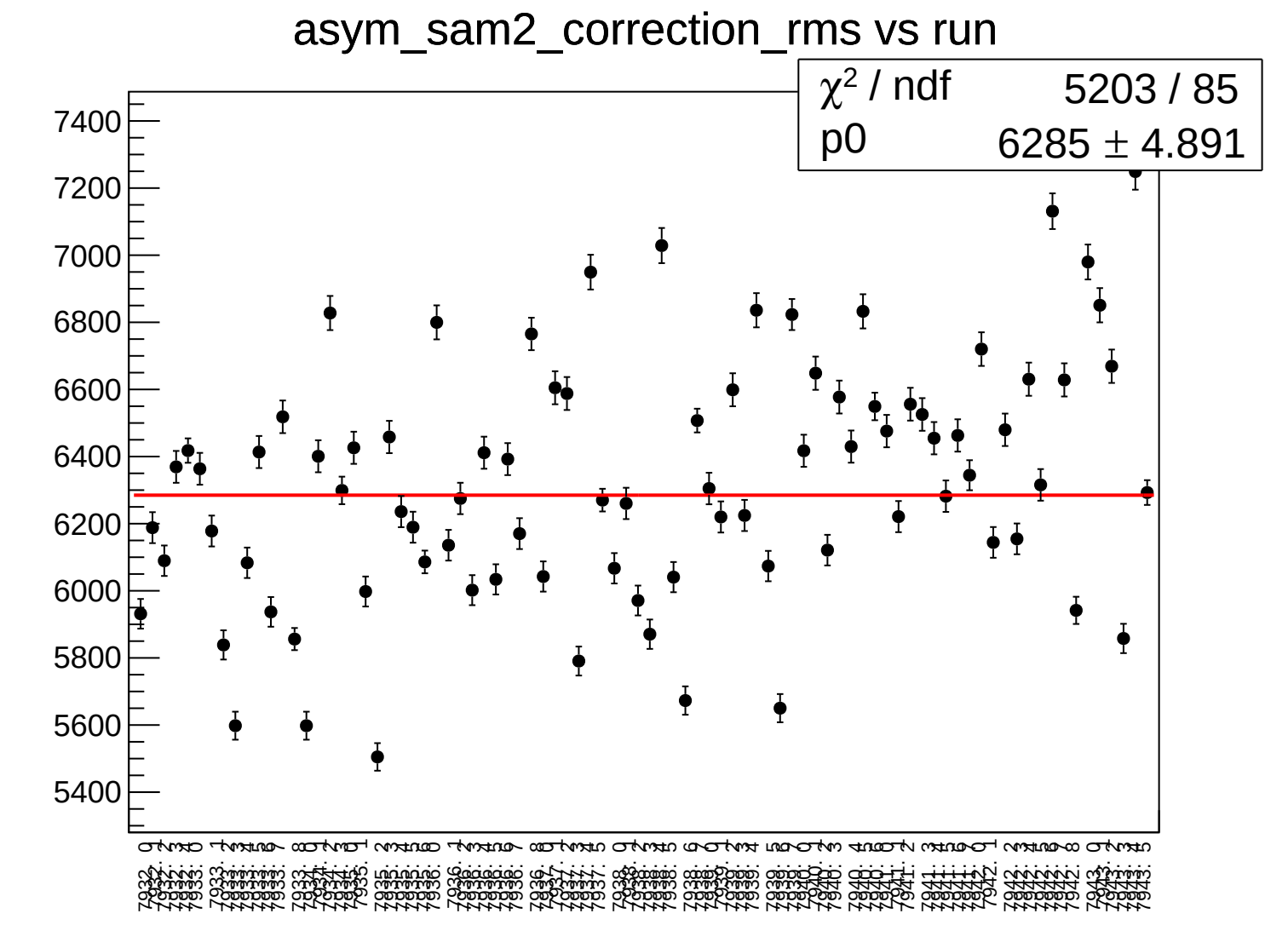

dit_asym_sam2_mean vs run
χ² / ndf 74.12 / 85
p0 1083 ± 473.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 812.8
Std Dev 744.6
2
1
0
−1
−2

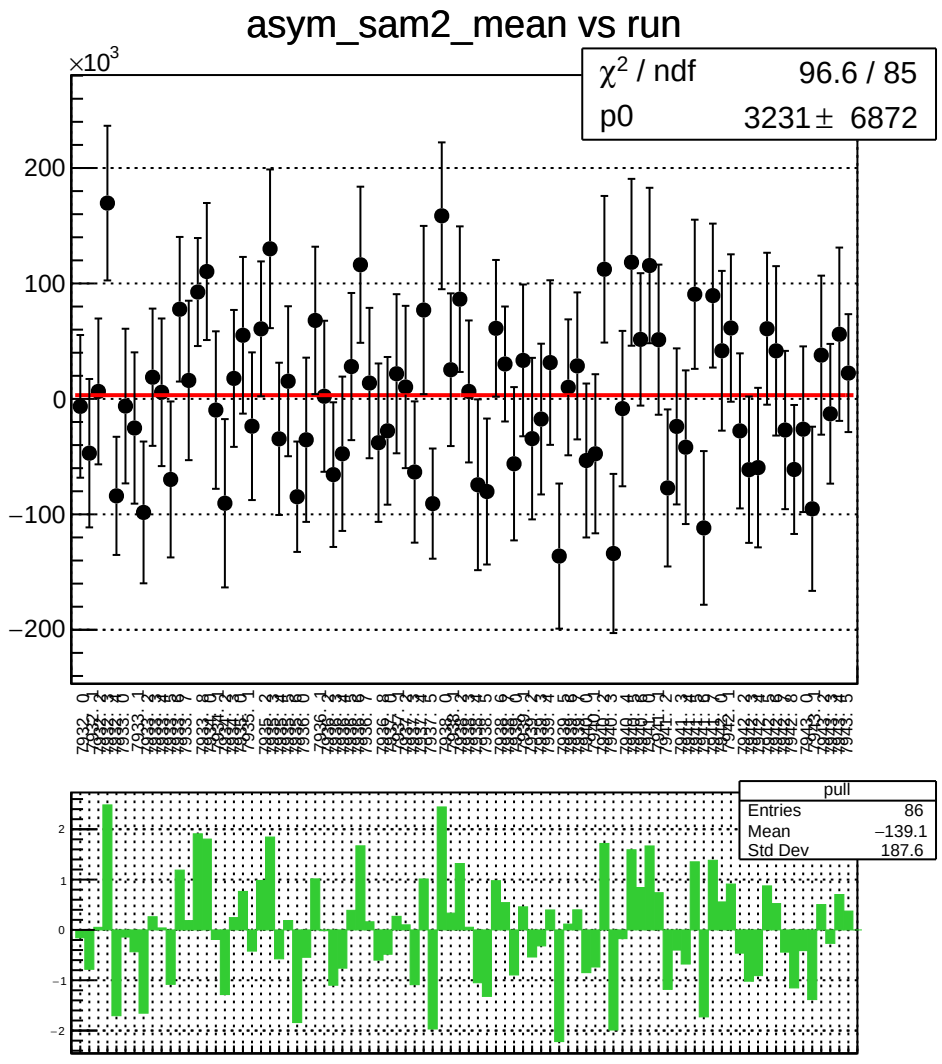

pull1D
Entries 86
Mean −0.001463
Std Dev 0.9284
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

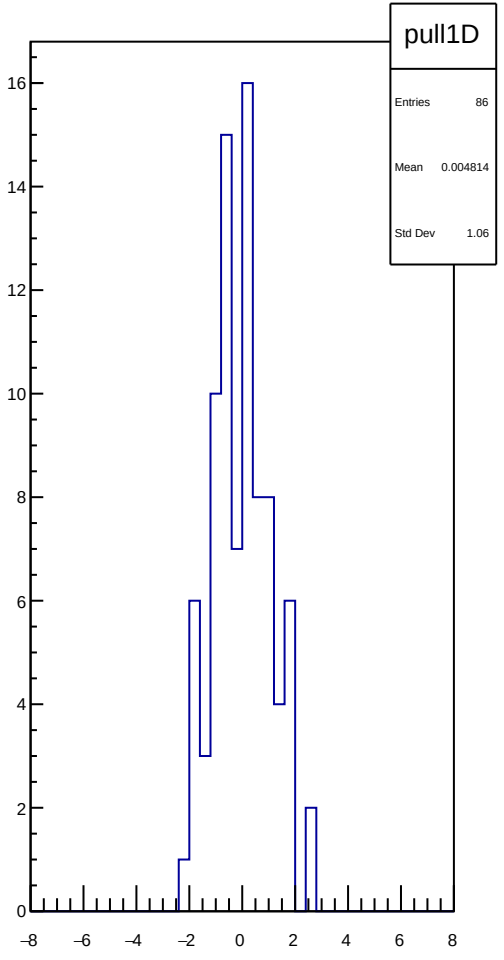

dit_asym_sam2_rms vs run
χ^2 / ndf 4261 / 85
p0 430.1 ± 0.3346
540
520
500
480
460
440
420
400
380

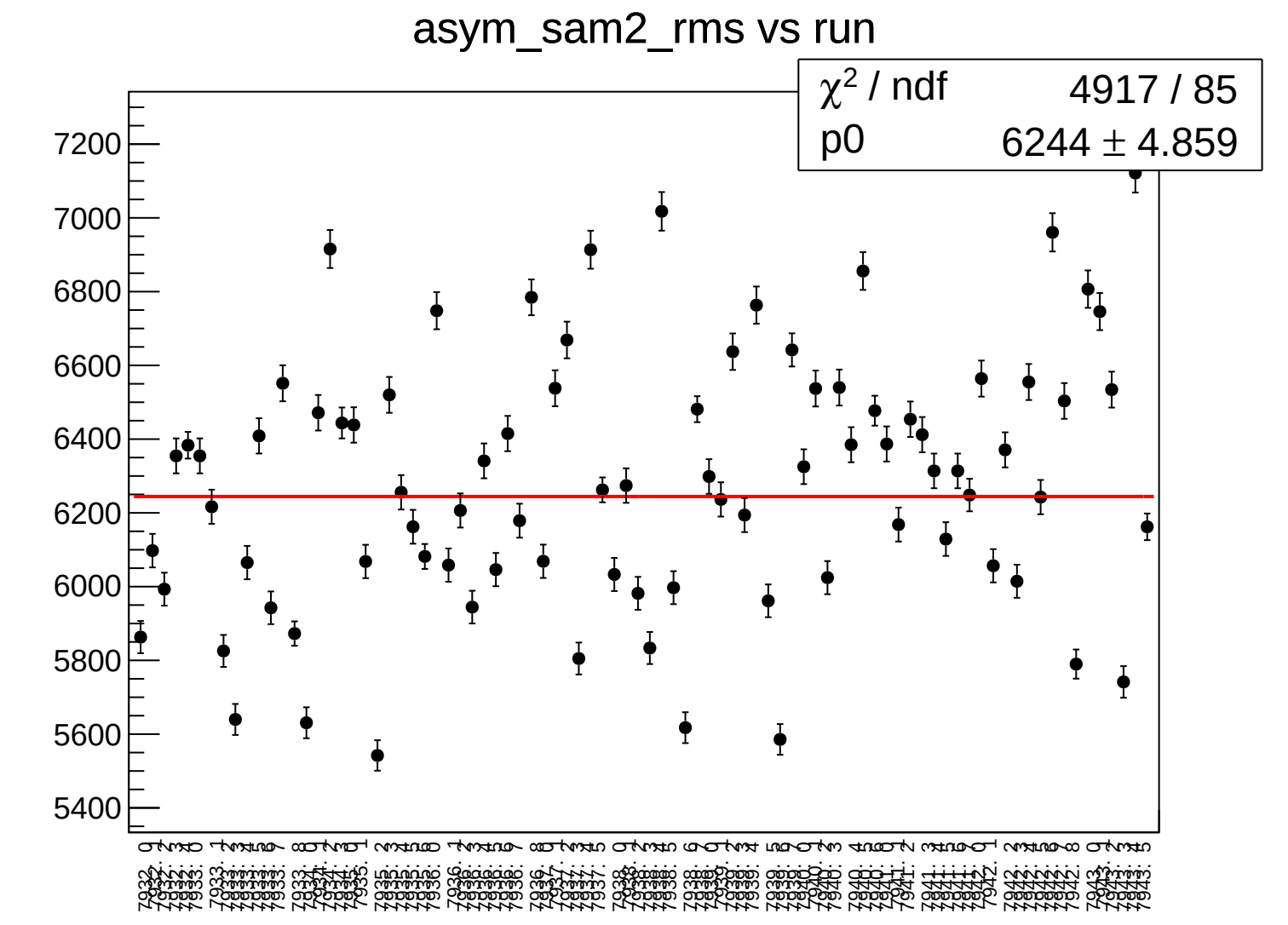

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 94.61 / 85
p0 −2294 ± 6917
200
100
0
−100
−200
pull
Entries 86
Mean −173.5
Std Dev 220.4
2
1
0
−1
−2

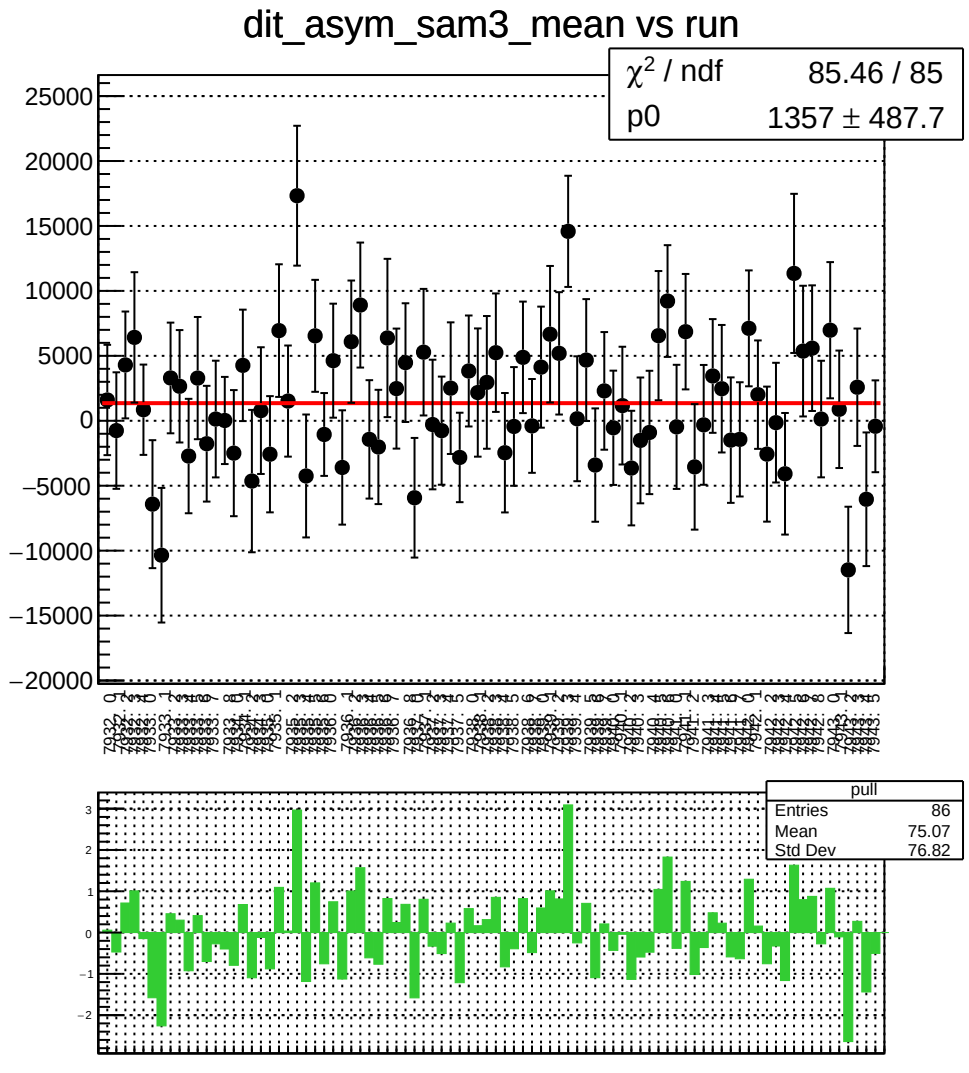

pull1D
Entries 86
Mean −0.003726
Std Dev 1.049
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

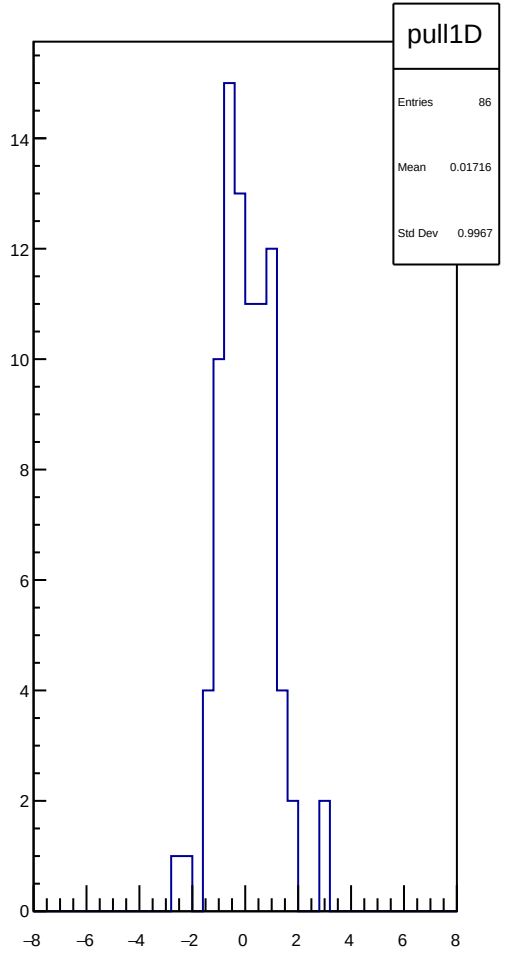

asym_sam2_correction_rms vs run
χ^2 / ndf 5203 / 85
p0 6285 ± 4.891
7400
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400

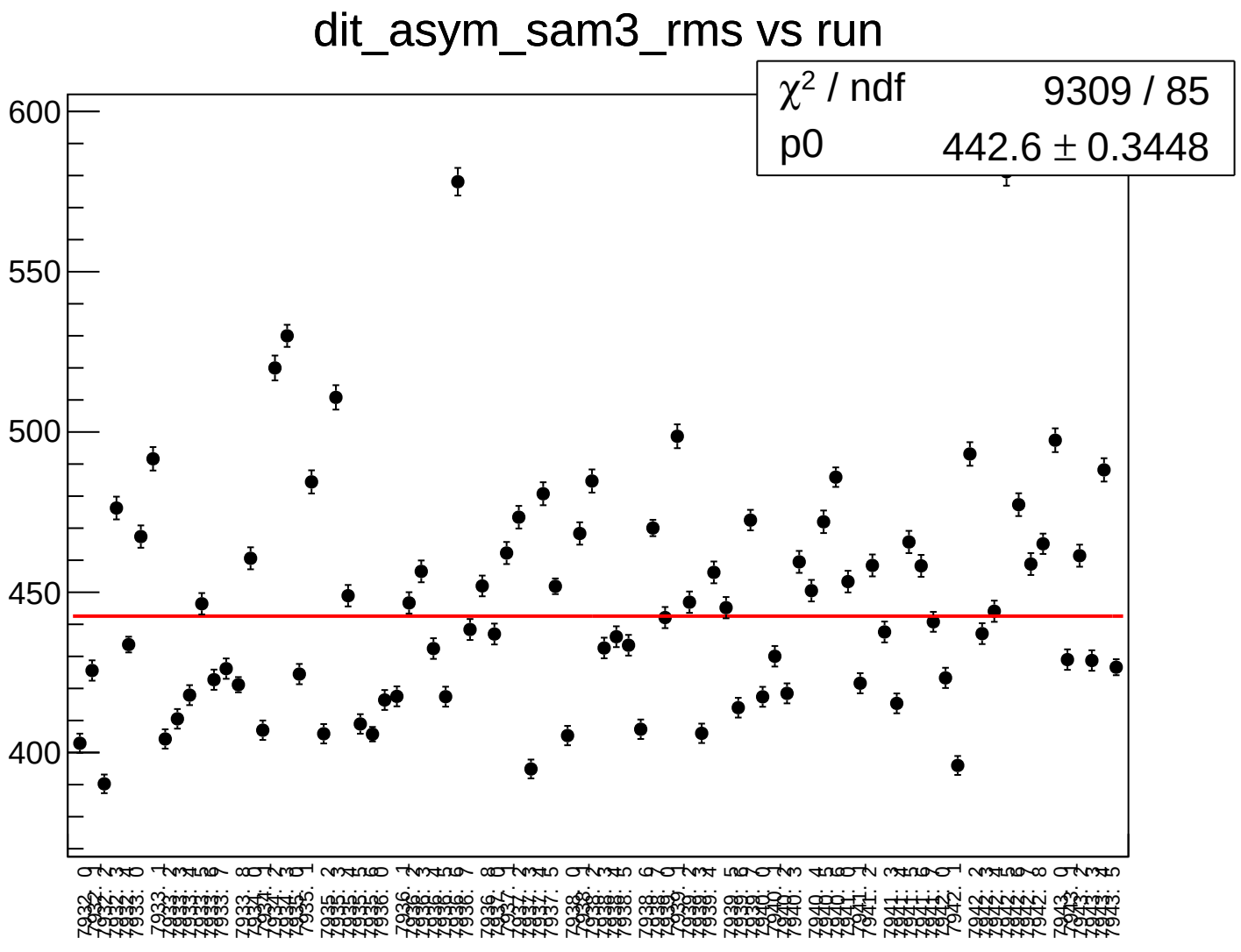

asym_sam2_mean vs run
×10^3
χ^2 / ndf 96.6 / 85
p0 3231 ± 6872
200
100
0
−100
−200
pull
Entries 86
Mean −139.1
Std Dev 187.6
2
1
0
−1
−2

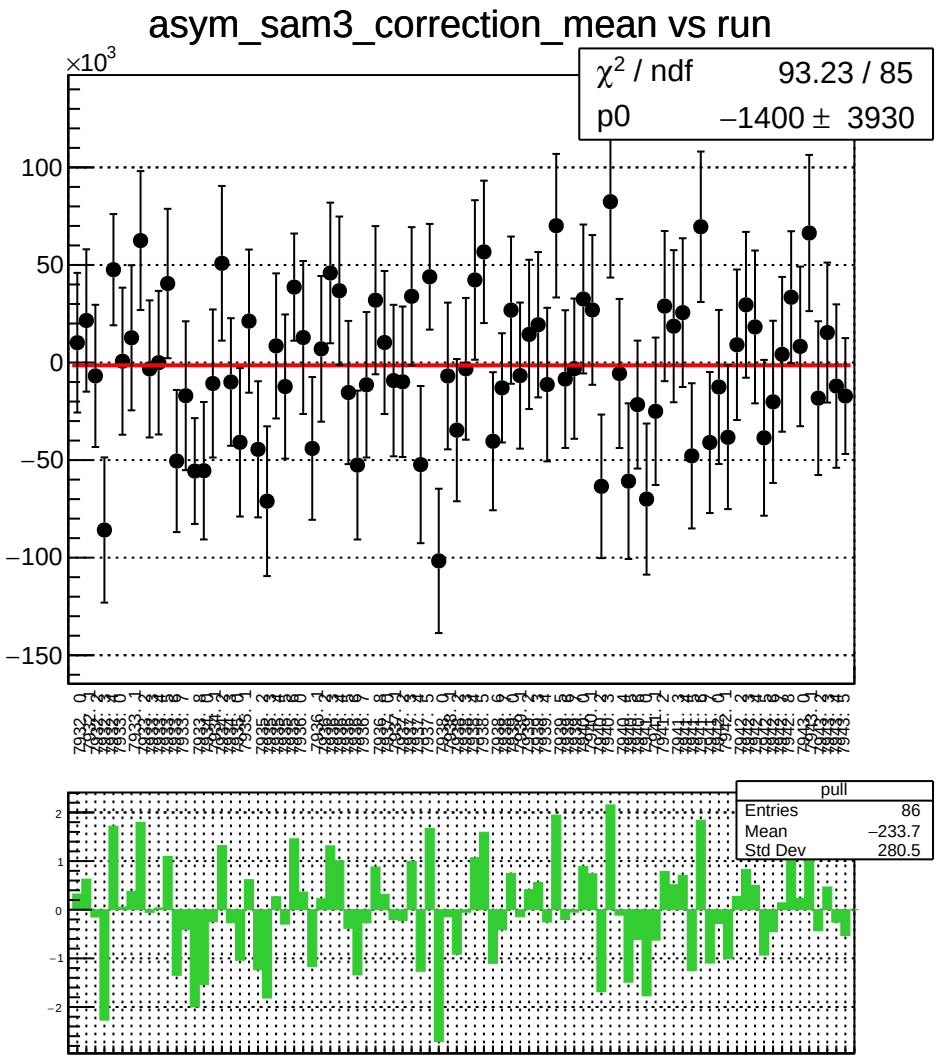

pull1D
Entries 86
Mean 0.004814
Std Dev 1.06
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

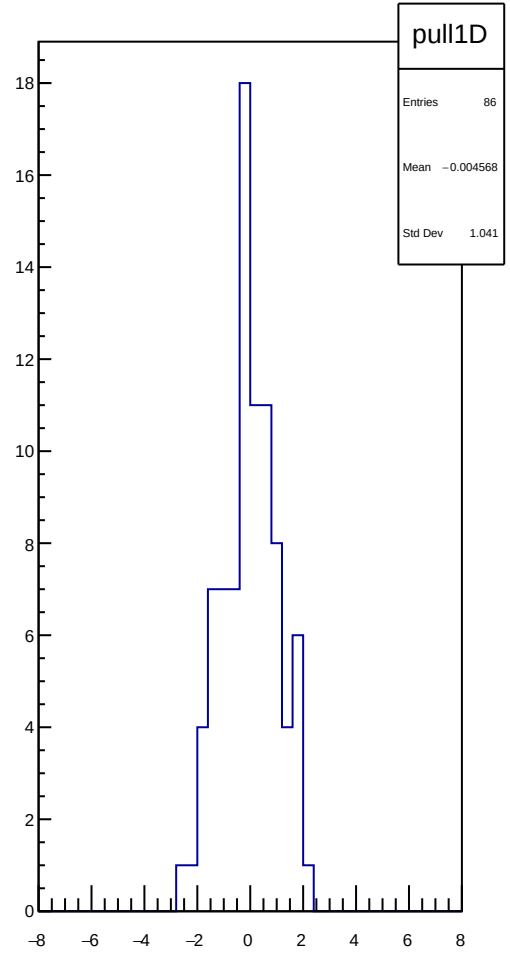

asym_sam2_rms vs run
χ² / ndf 4917 / 85
p0 6244 ± 4.859
7200
7000
6800
6600
6400
6200
6000
5800
5600
5400

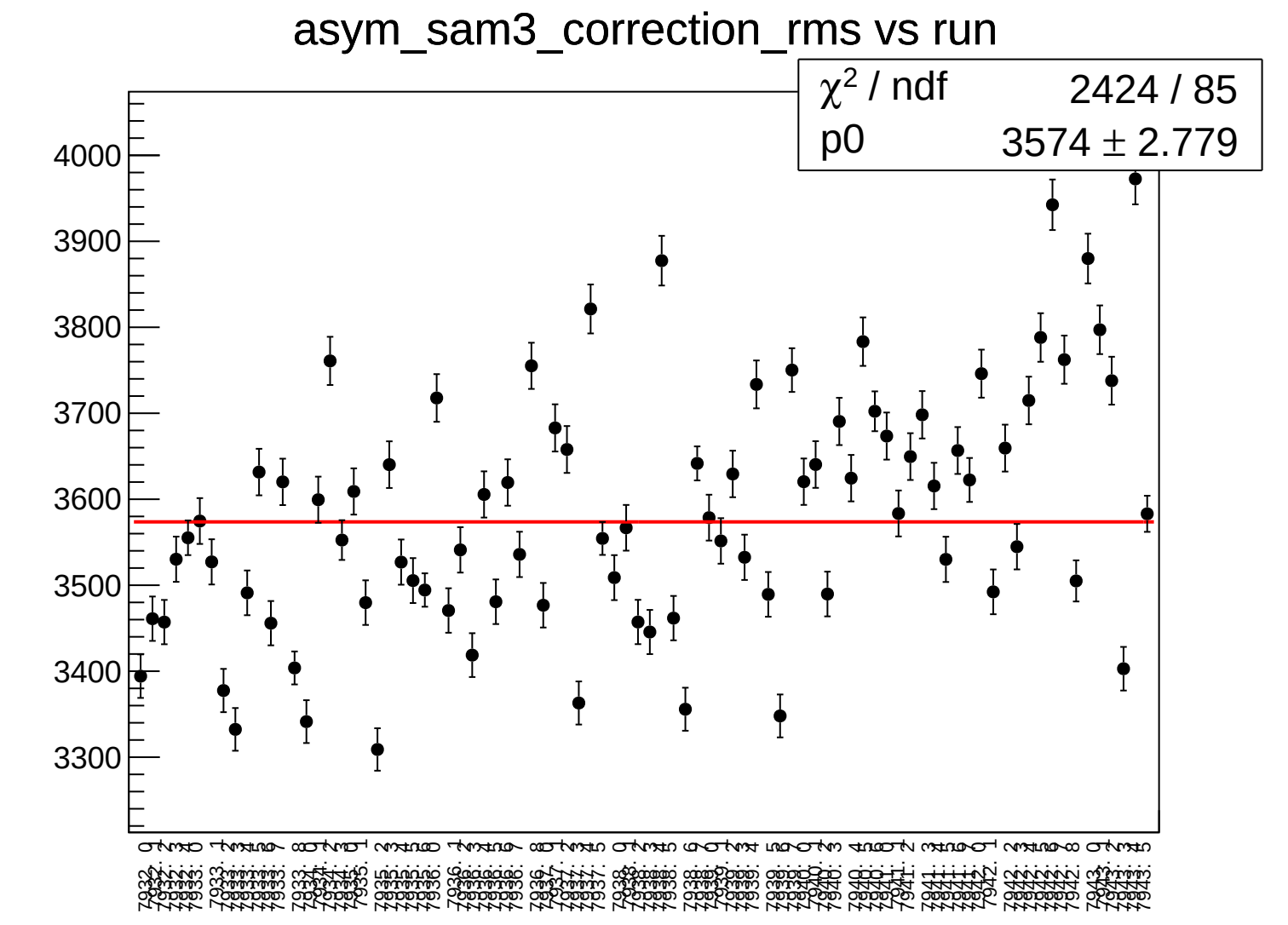

dit_asym_sam3_mean vs run
χ² / ndf 85.46 / 85
p0 1357 ± 487.7
pull
Entries 86
Mean 75.07
Std Dev 76.82

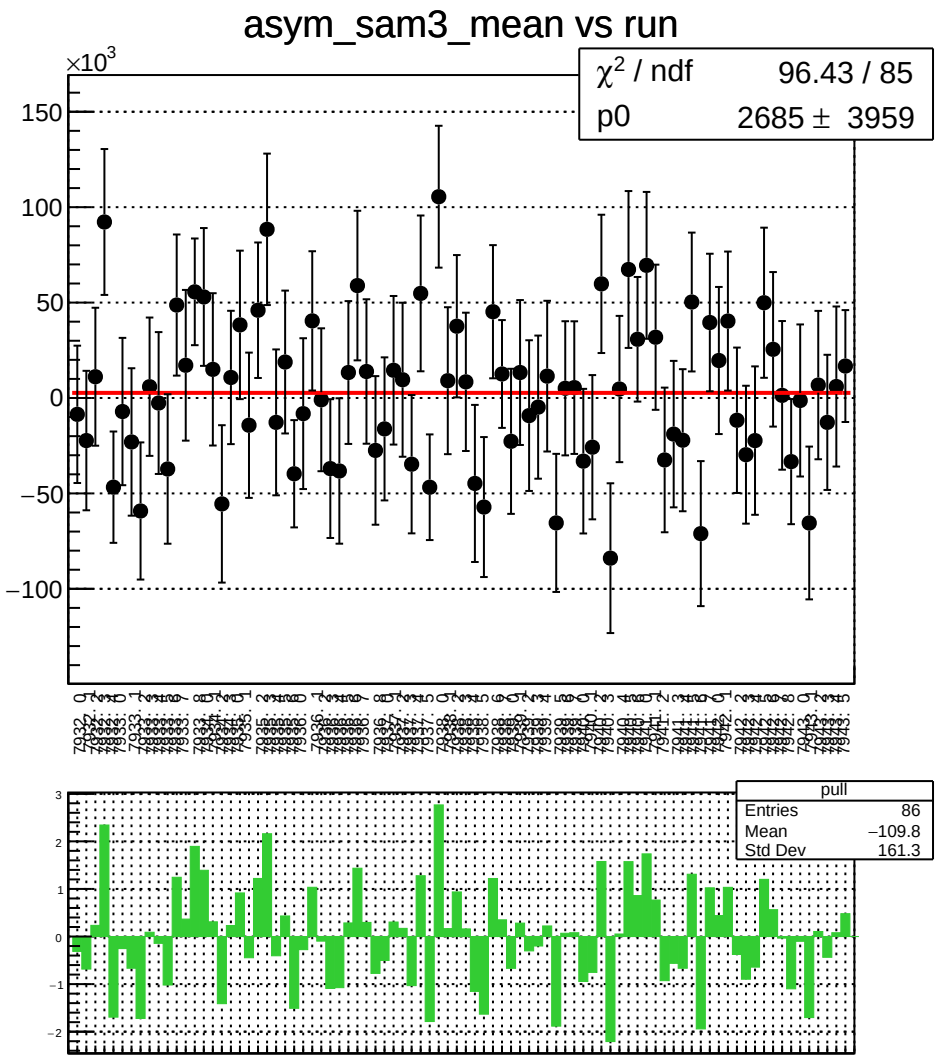

pull1D
Entries 86
Mean 0.01716
Std Dev 0.9967

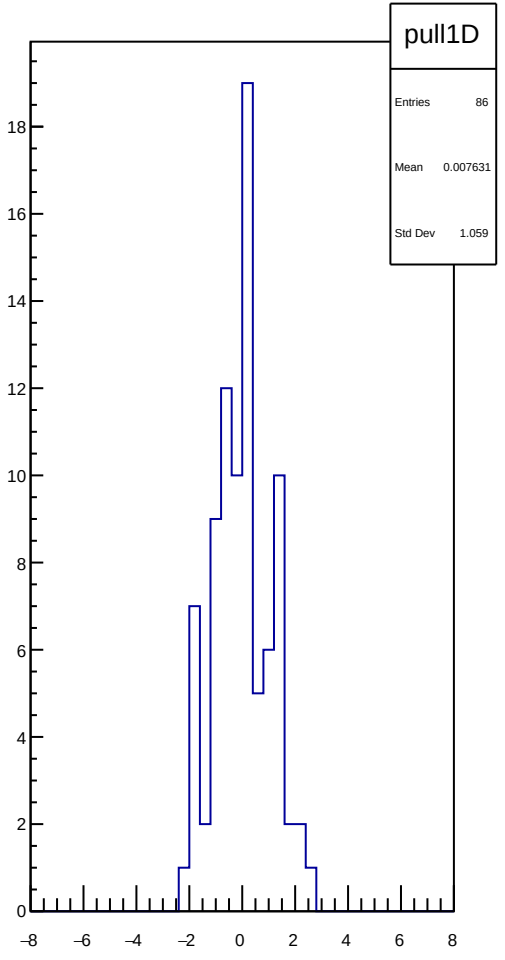

dit_asym_sam3_rms vs run
χ^2 / ndf 9309 / 85
p0 442.6 ± 0.3448
600
550
500
450
400

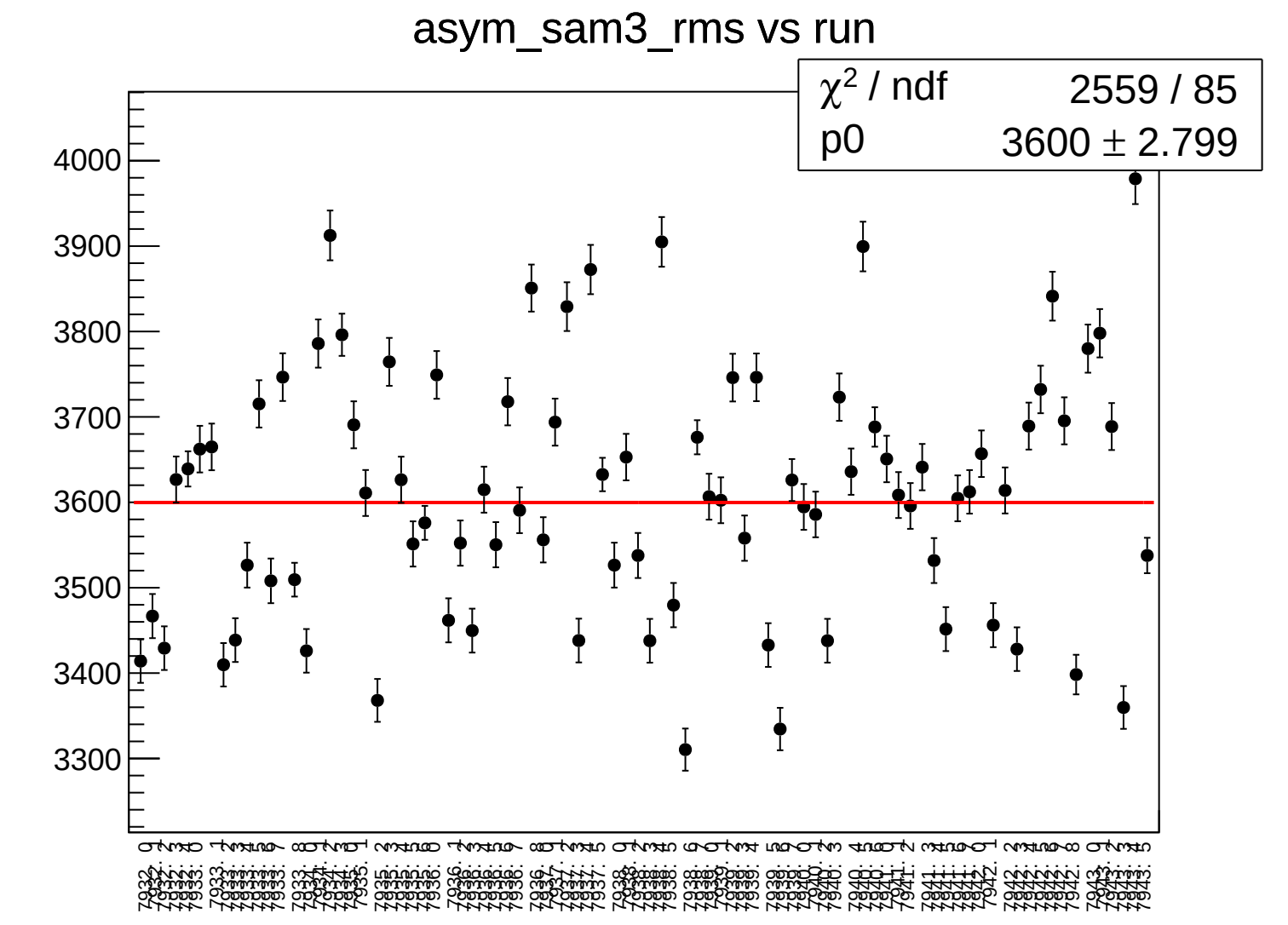

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 93.23 / 85
p0 −1400 ± 3930
100
50
0
−50
−100
−150
pull
Entries 86
Mean −233.7
Std Dev 280.5
2
1
0
−1
−2

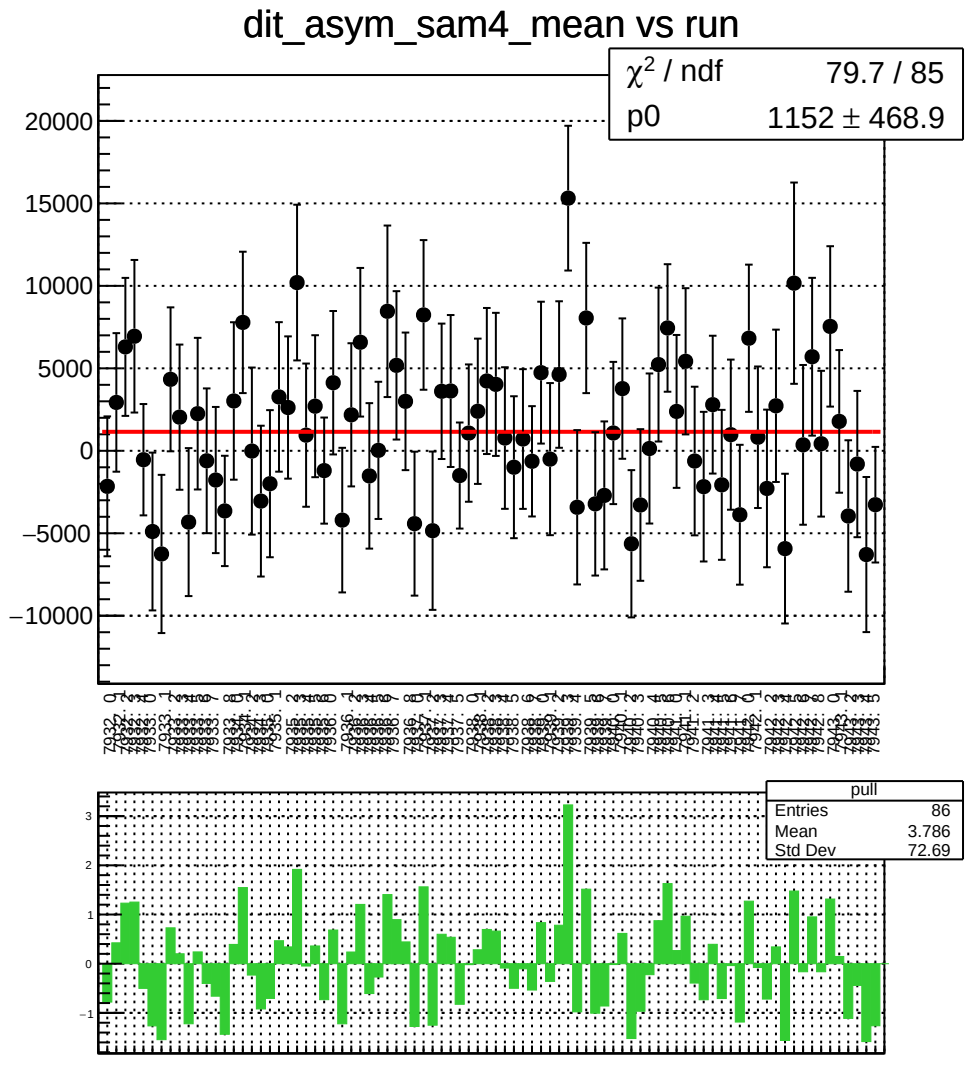

pull1D
Entries 86
Mean −0.004568
Std Dev 1.041
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

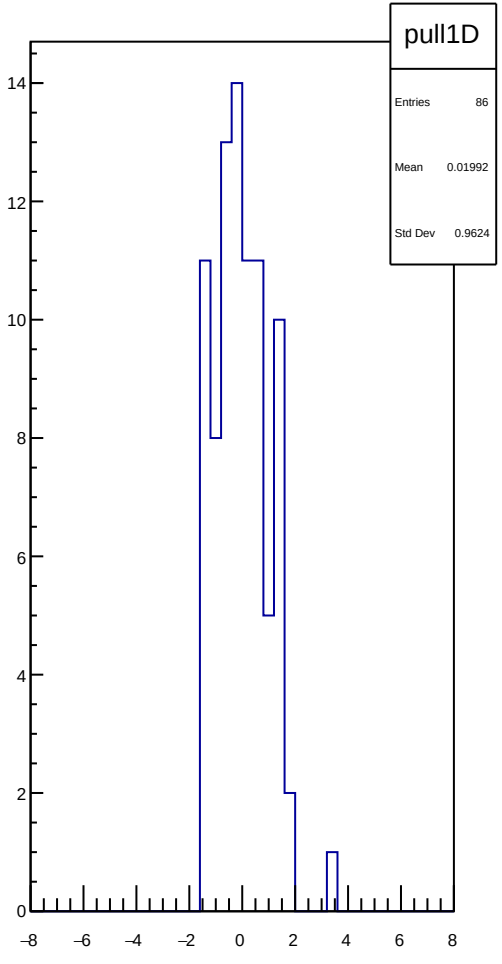

asym_sam3_correction_rms vs run
χ² / ndf 2424 / 85
p0 3574 ± 2.779
4000
3900
3800
3700
3600
3500
3400
3300

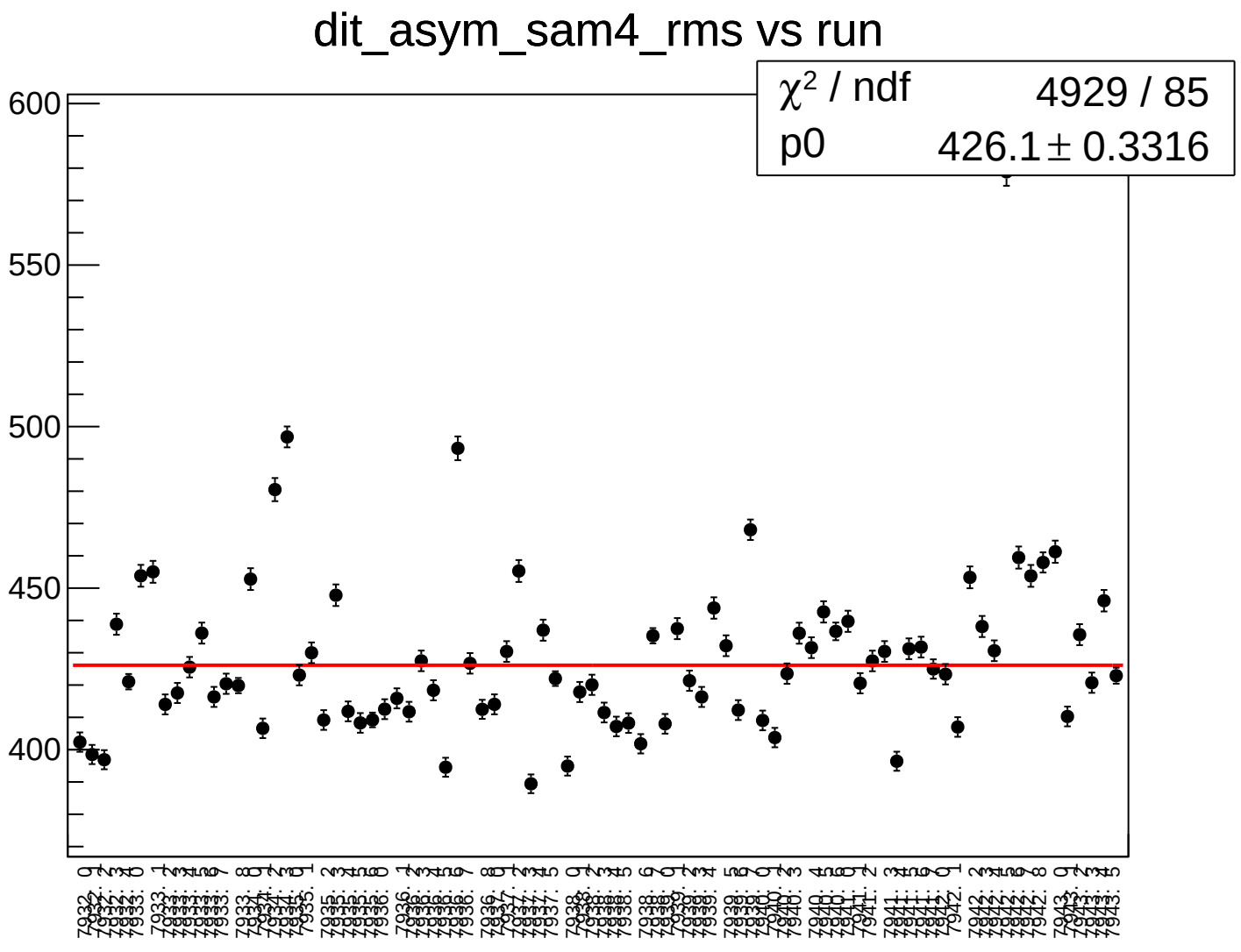

asym_sam3_mean vs run
×10^3
χ² / ndf 96.43 / 85
p0 2685 ± 3959
150
100
50
0
−50
−100
pull
Entries 86
Mean −109.8
Std Dev 161.3
3
2
1
0
−1
−2

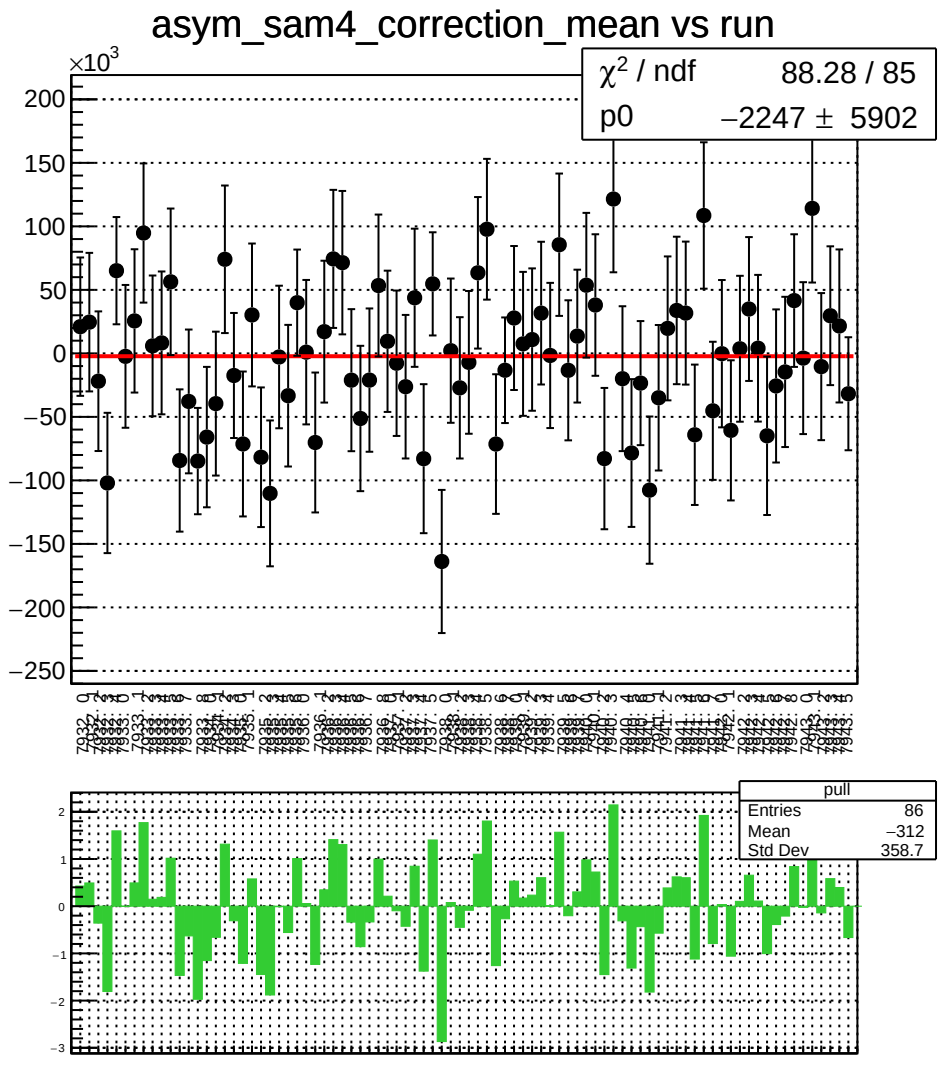

pull1D
Entries 86
Mean 0.007631
Std Dev 1.059
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

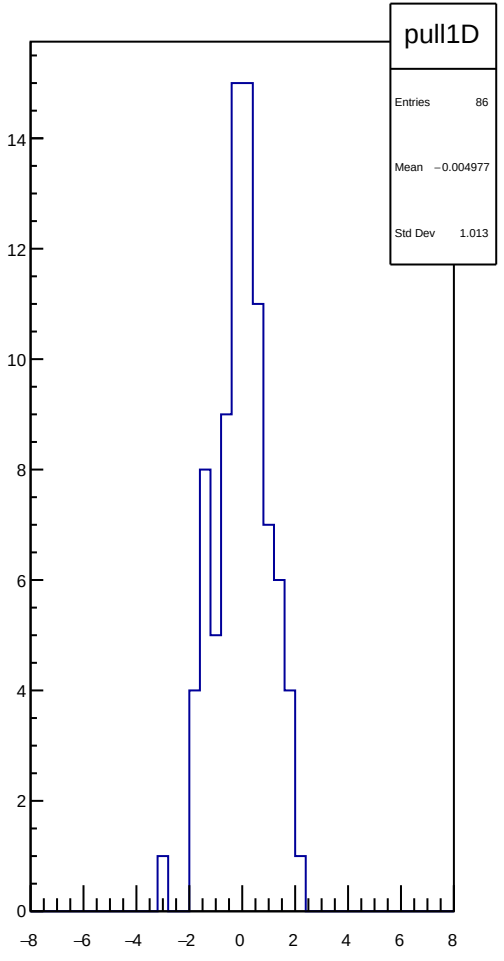

asym_sam3_rms vs run
χ² / ndf 2559 / 85
p0 3600 ± 2.799
4000
3900
3800
3700
3600
3500
3400
3300

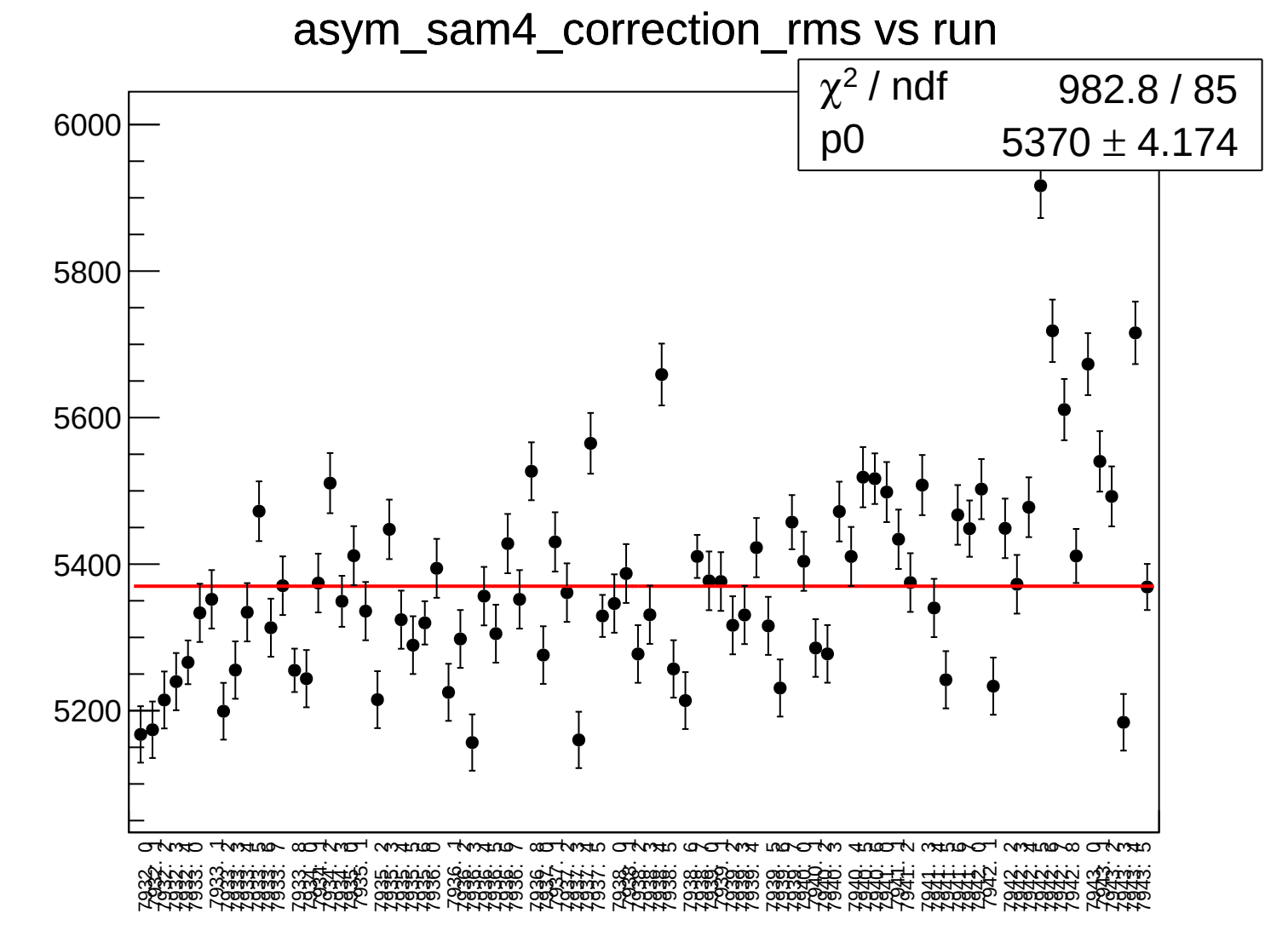

dit_asym_sam4_mean vs run
χ² / ndf 79.7 / 85
p0 1152 ± 468.9
20000
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 3.786
Std Dev 72.69
3
2
1
0
−1

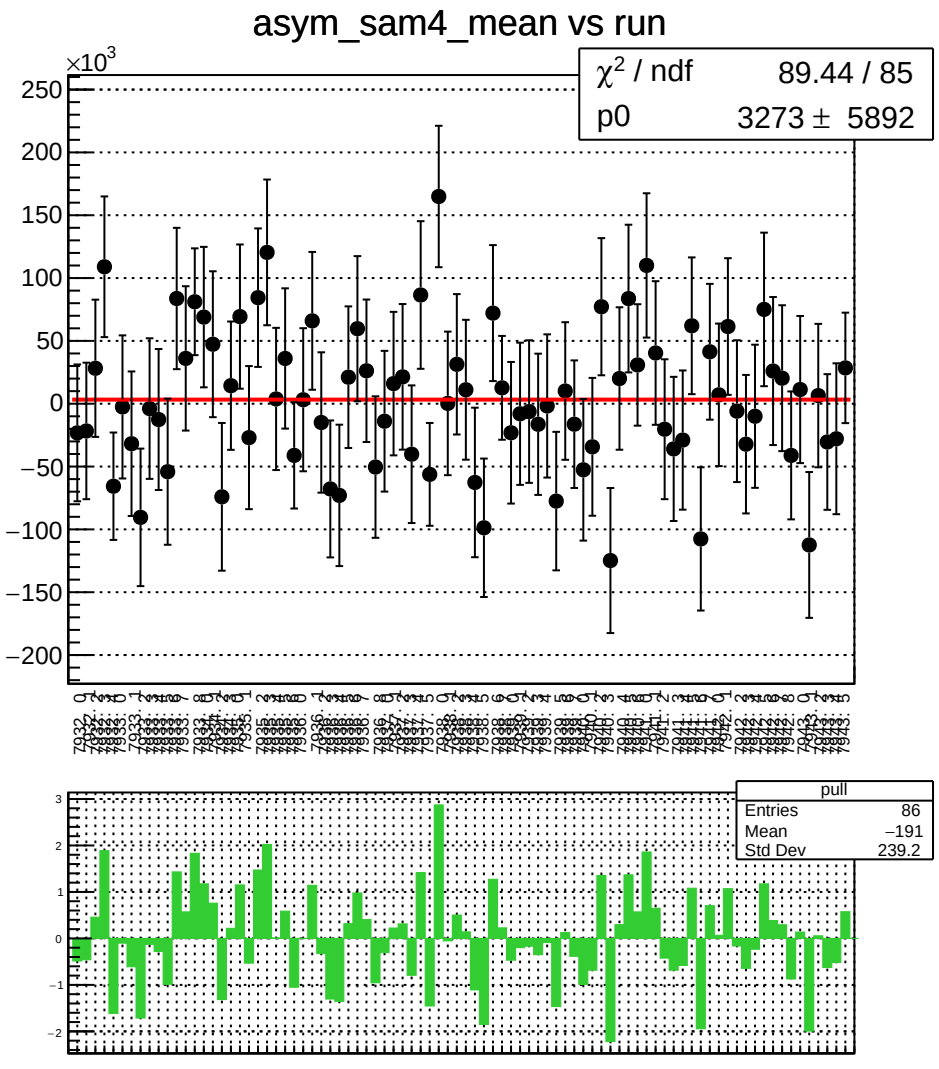

pull1D
Entries 86
Mean 0.01992
Std Dev 0.9624
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

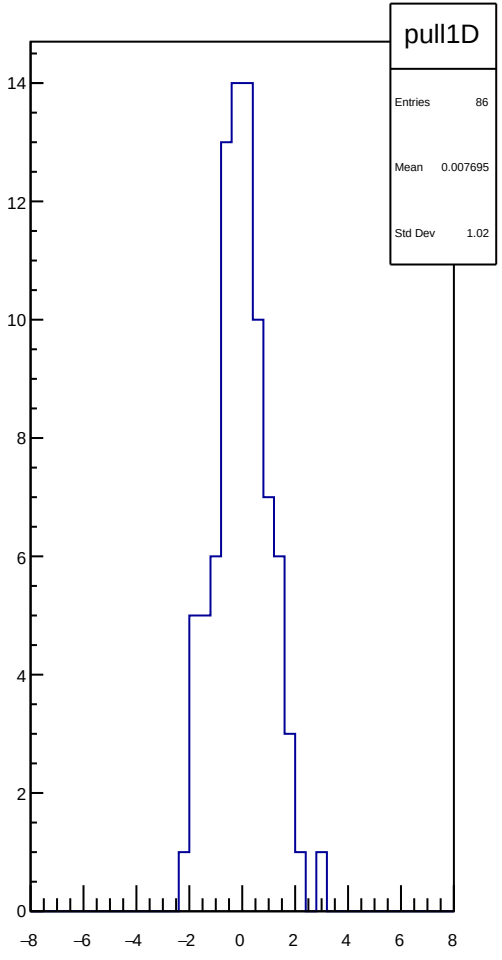

dit_asym_sam4_rms vs run
χ² / ndf 4929 / 85
p0 426.1 ± 0.3316
600
550
500
450
400

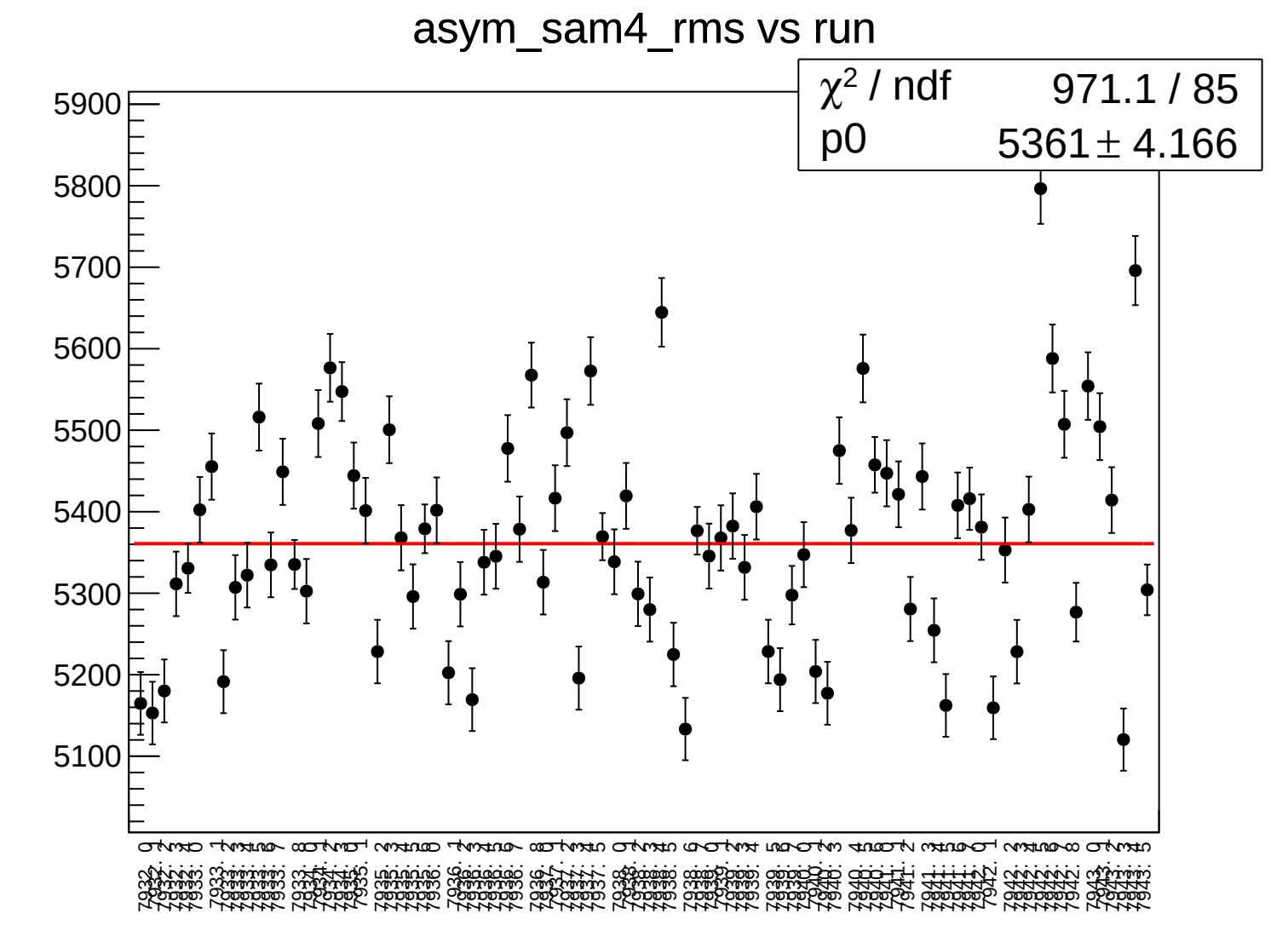

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 88.28 / 85
p0 −2247 ± 5902
pull
Entries 86
Mean −312
Std Dev 358.7

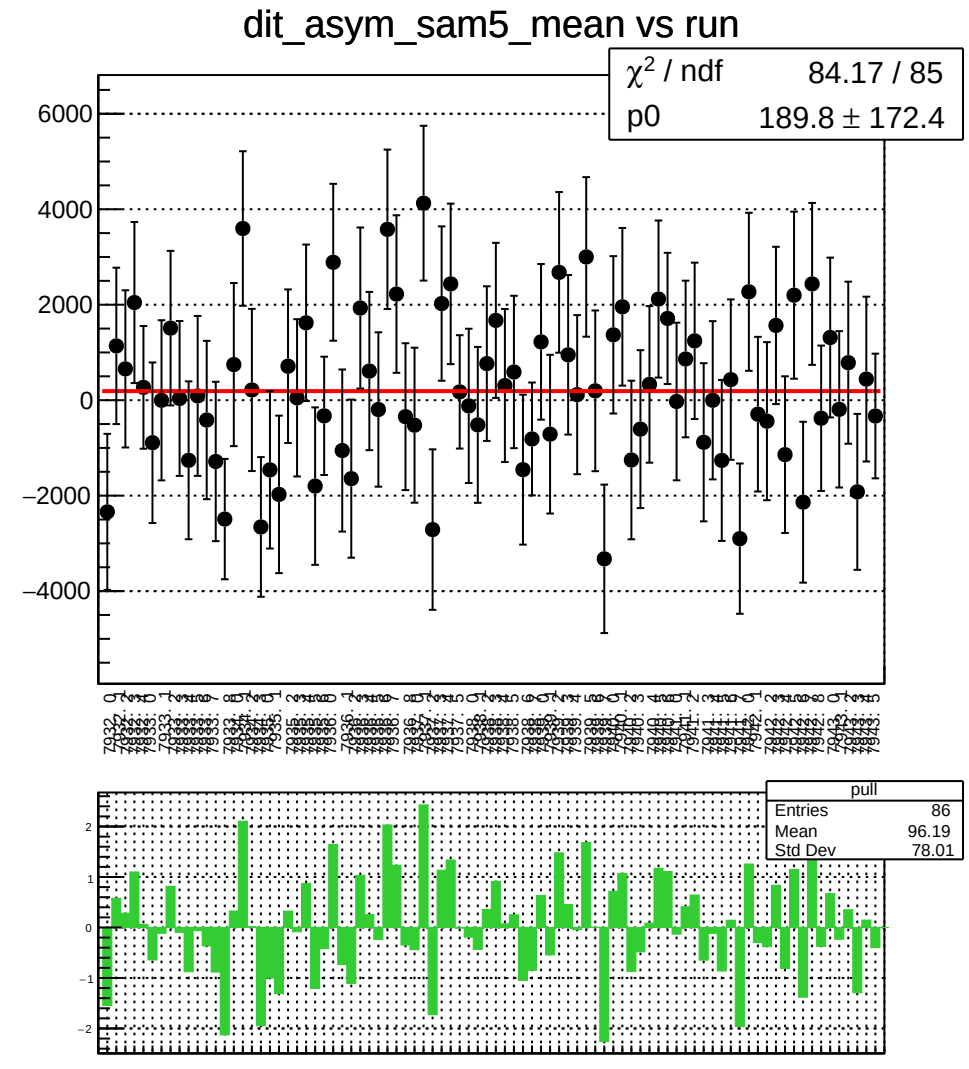

pull1D
Entries 86
Mean −0.004977
Std Dev 1.013

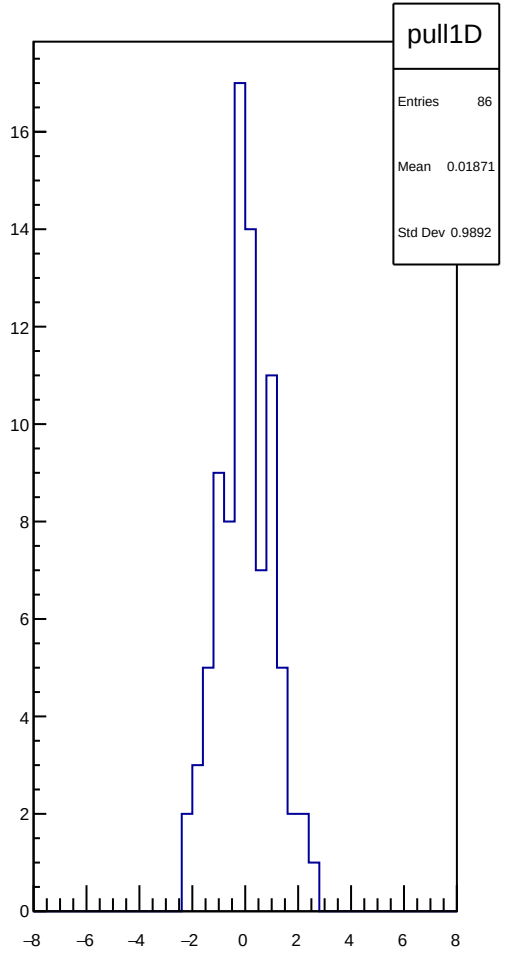

asym_sam4_correction_rms vs run
χ² / ndf 982.8 / 85
p0 5370 ± 4.174
6000
5800
5600
5400
5200

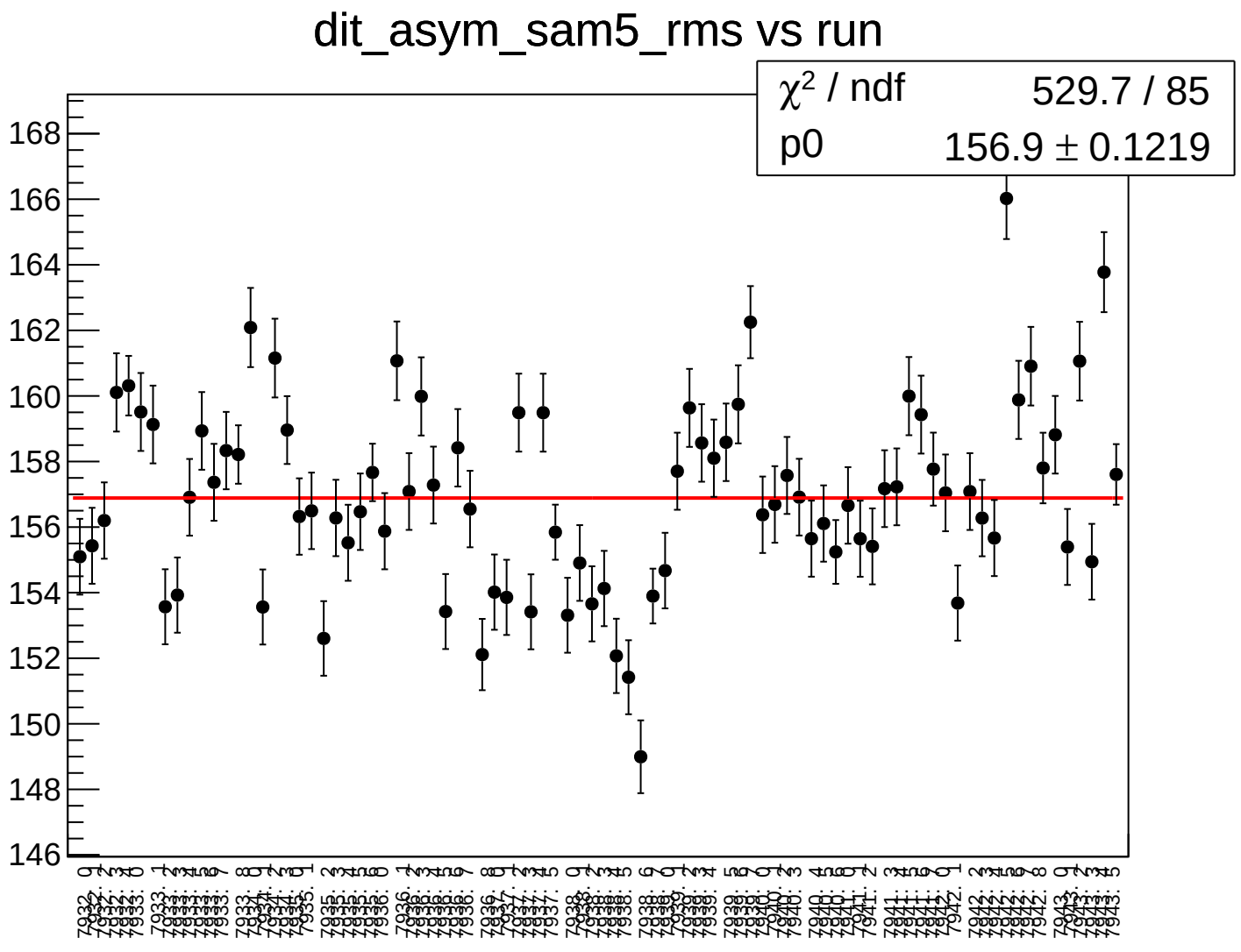

asym_sam4_mean vs run
×10^3
χ^2 / ndf 89.44 / 85
p0 3273 ± 5892
pull
Entries 86
Mean −191
Std Dev 239.2

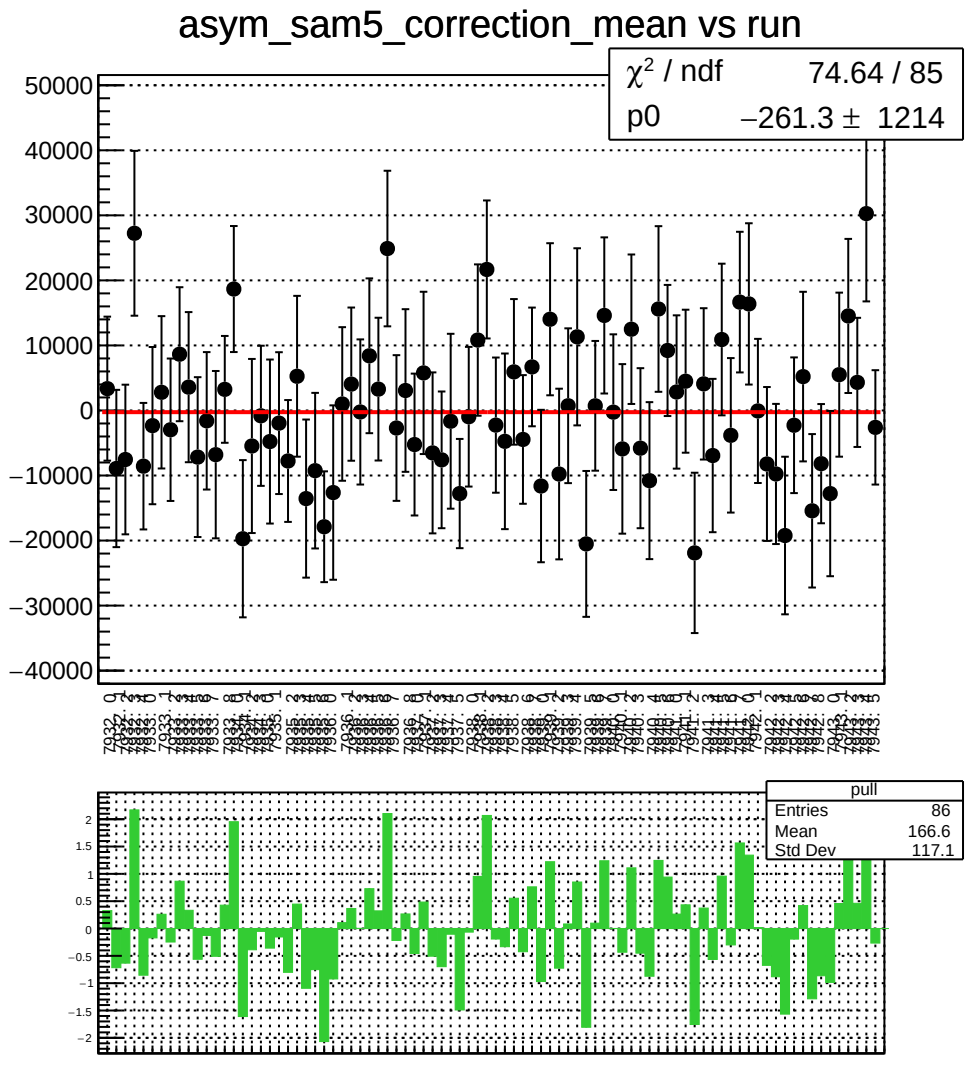

pull1D
Entries 86
Mean 0.007695
Std Dev 1.02

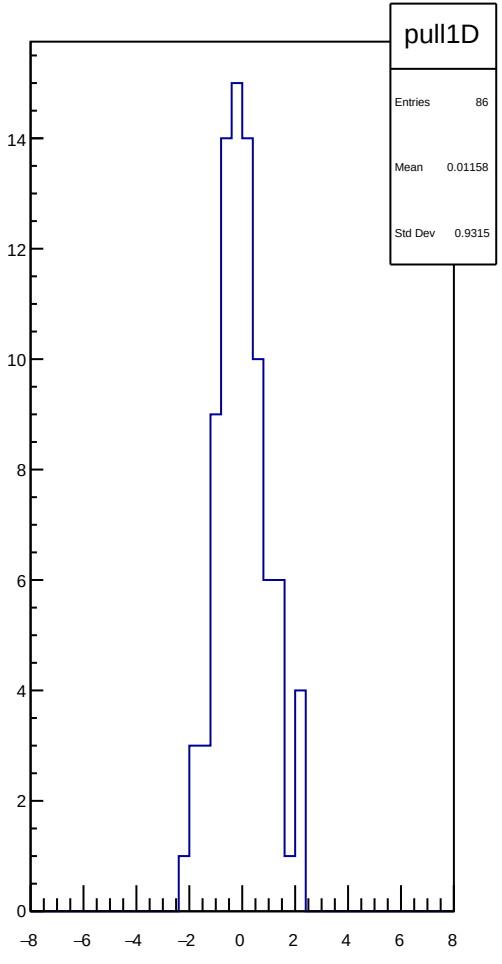

asym_sam4_rms vs run
χ^2 / ndf 971.1 / 85
p0 5361 ± 4.166
5900
5800
5700
5600
5500
5400
5300
5200
5100


dit_asym_sam5_mean vs run
χ^2 / ndf 84.17 / 85
p0 189.8 ± 172.4
6000
4000
2000
0
−2000
−4000
pull
Entries 86
Mean 96.19
Std Dev 78.01
2
1
0
−1
−2

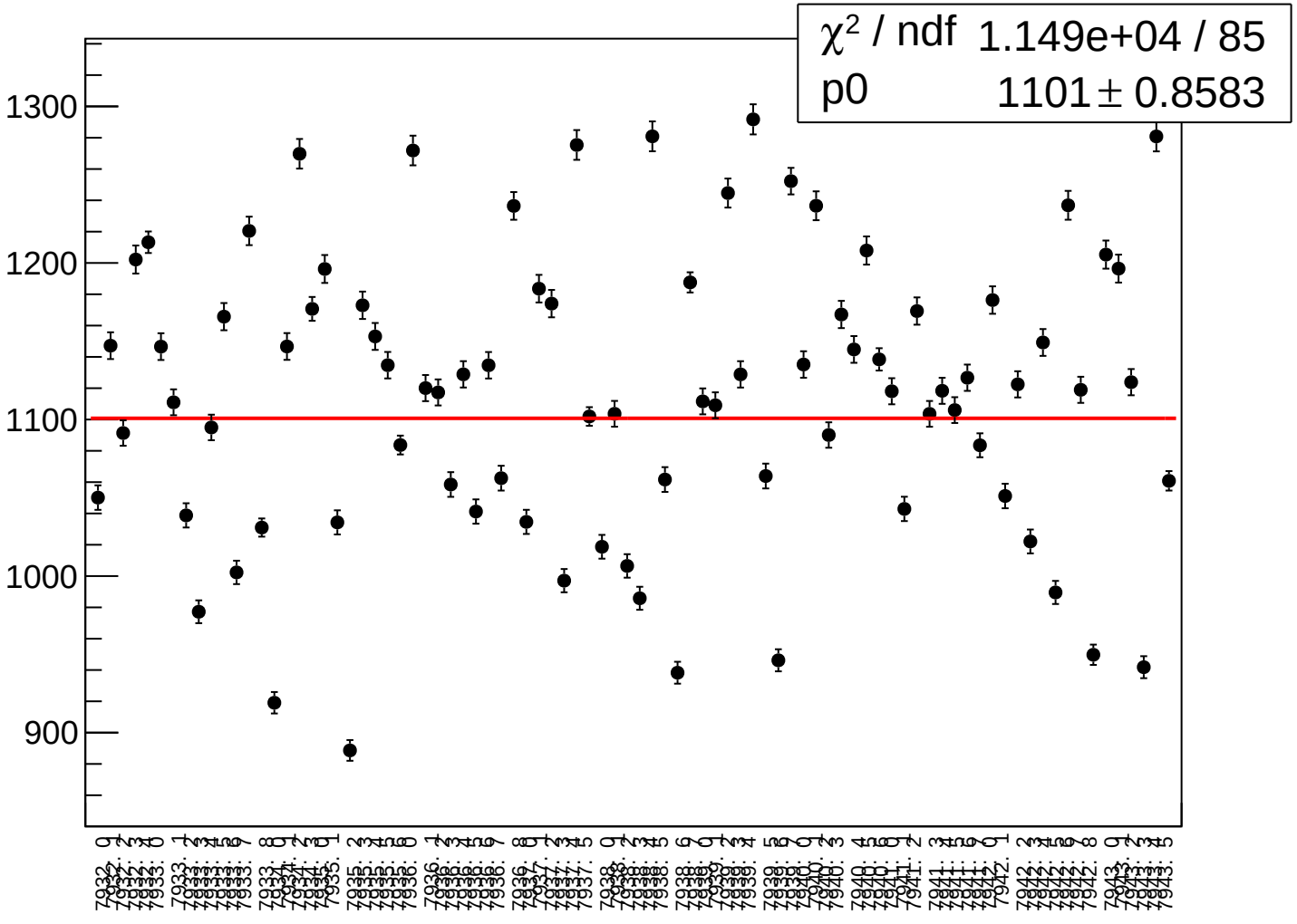

pull1D
Entries 86
Mean 0.01871
Std Dev 0.9892
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

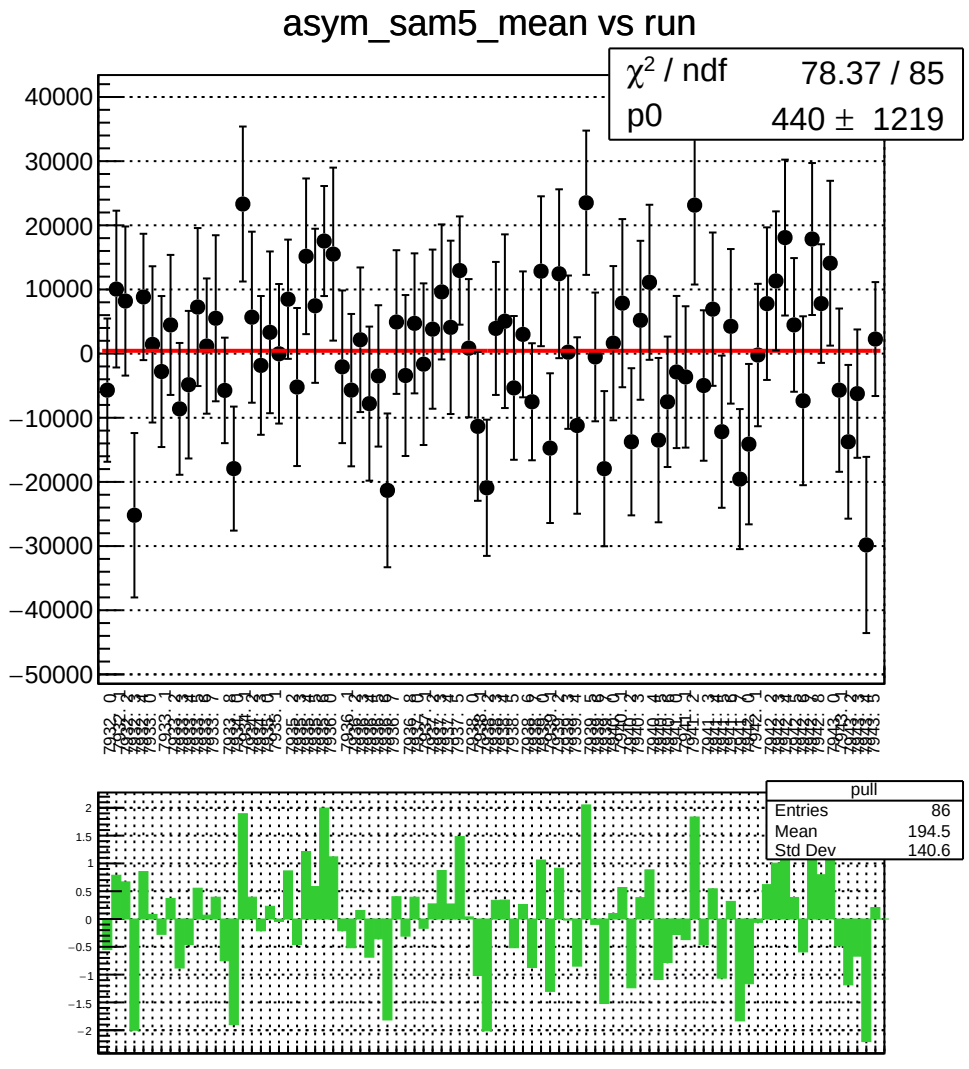

dit_asym_sam5_rms vs run
χ² / ndf 529.7 / 85
p0 156.9 ± 0.1219
168
166
164
162
160
158
156
154
152
150
148
146

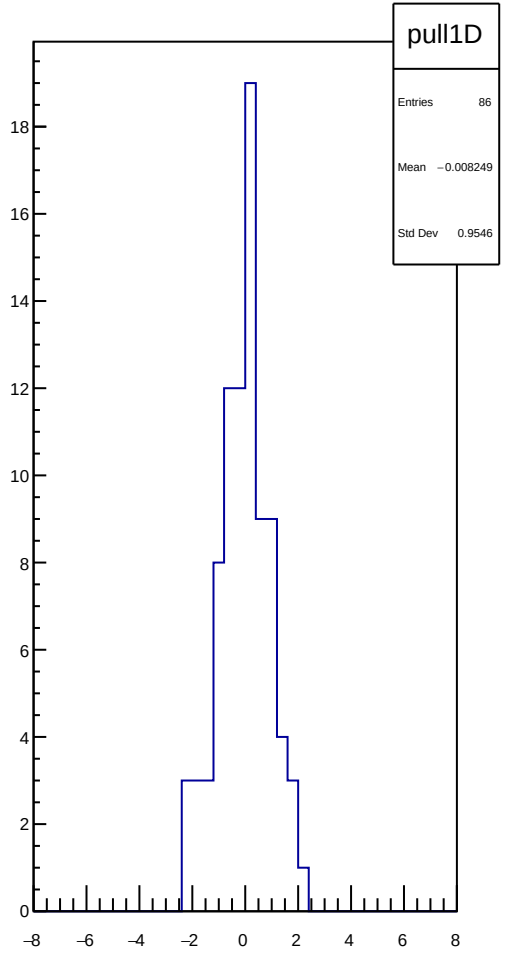

asym_sam5_correction_mean vs run
χ² / ndf 74.64 / 85
p0 −261.3 ± 1214
pull
Entries 86
Mean 166.6
Std Dev 117.1

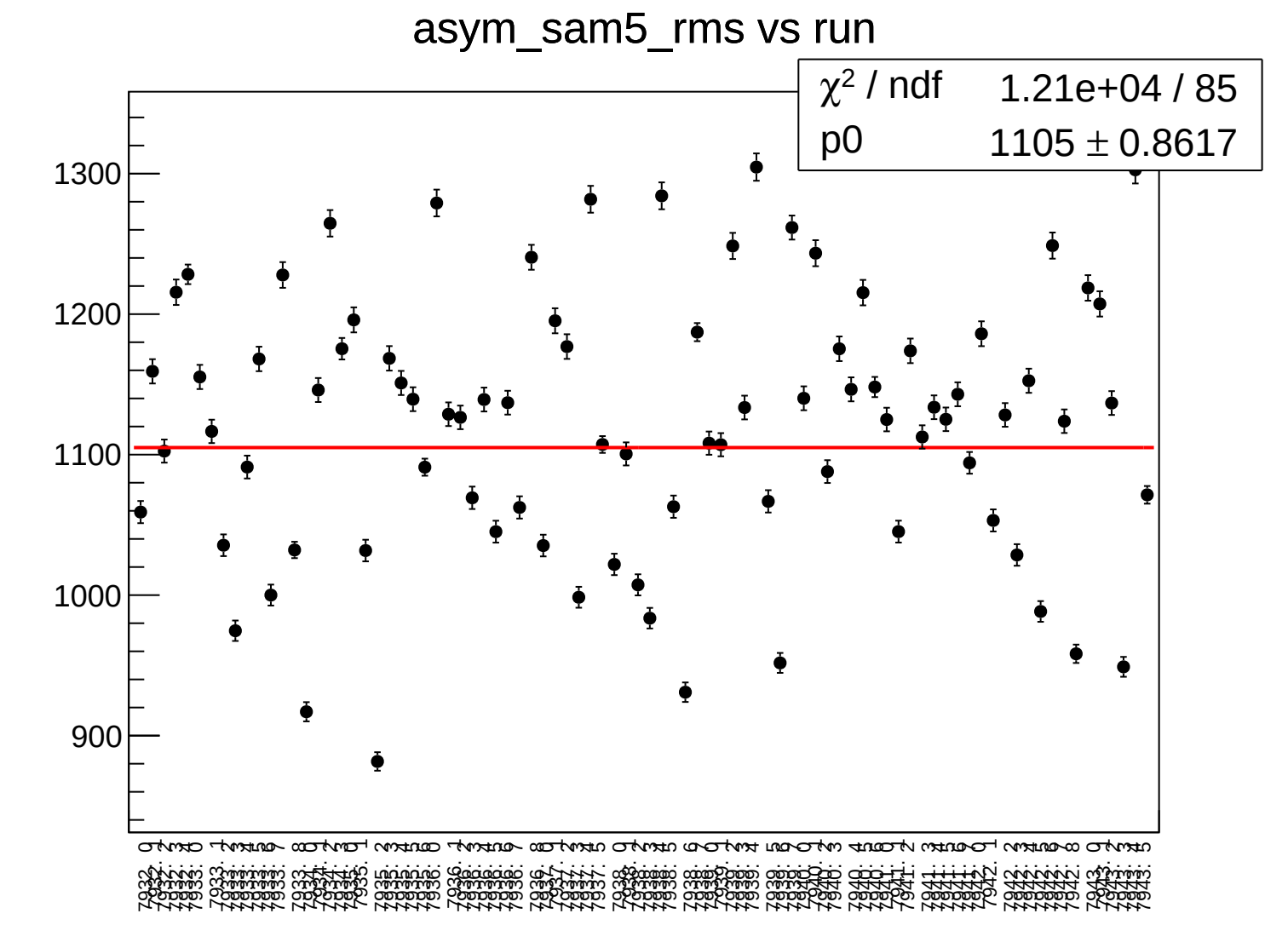

pull1D
Entries 86
Mean 0.01158
Std Dev 0.9315

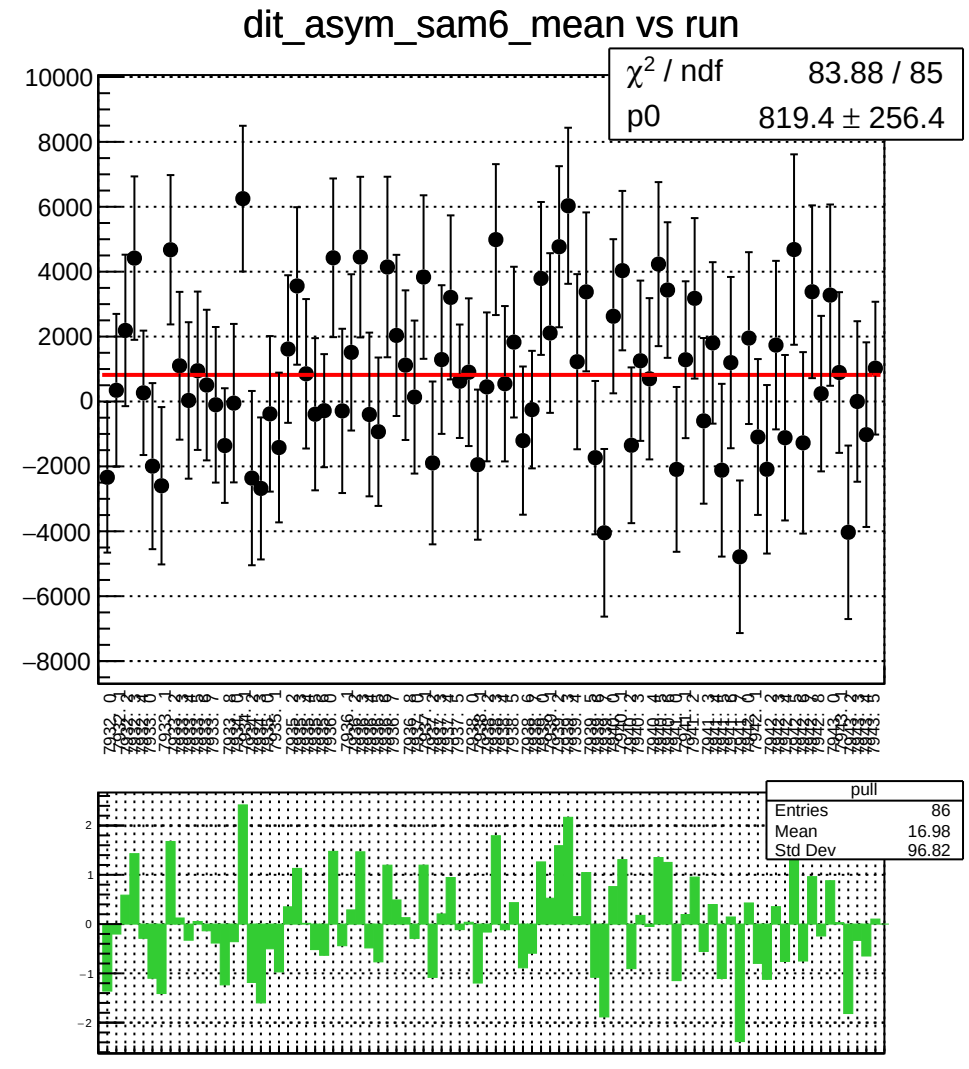
asym_sam5_correction_rms vs run

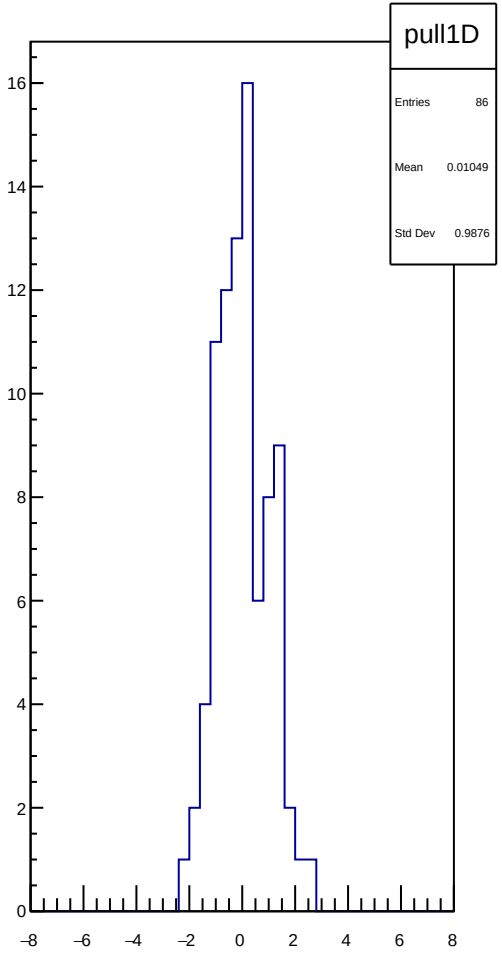


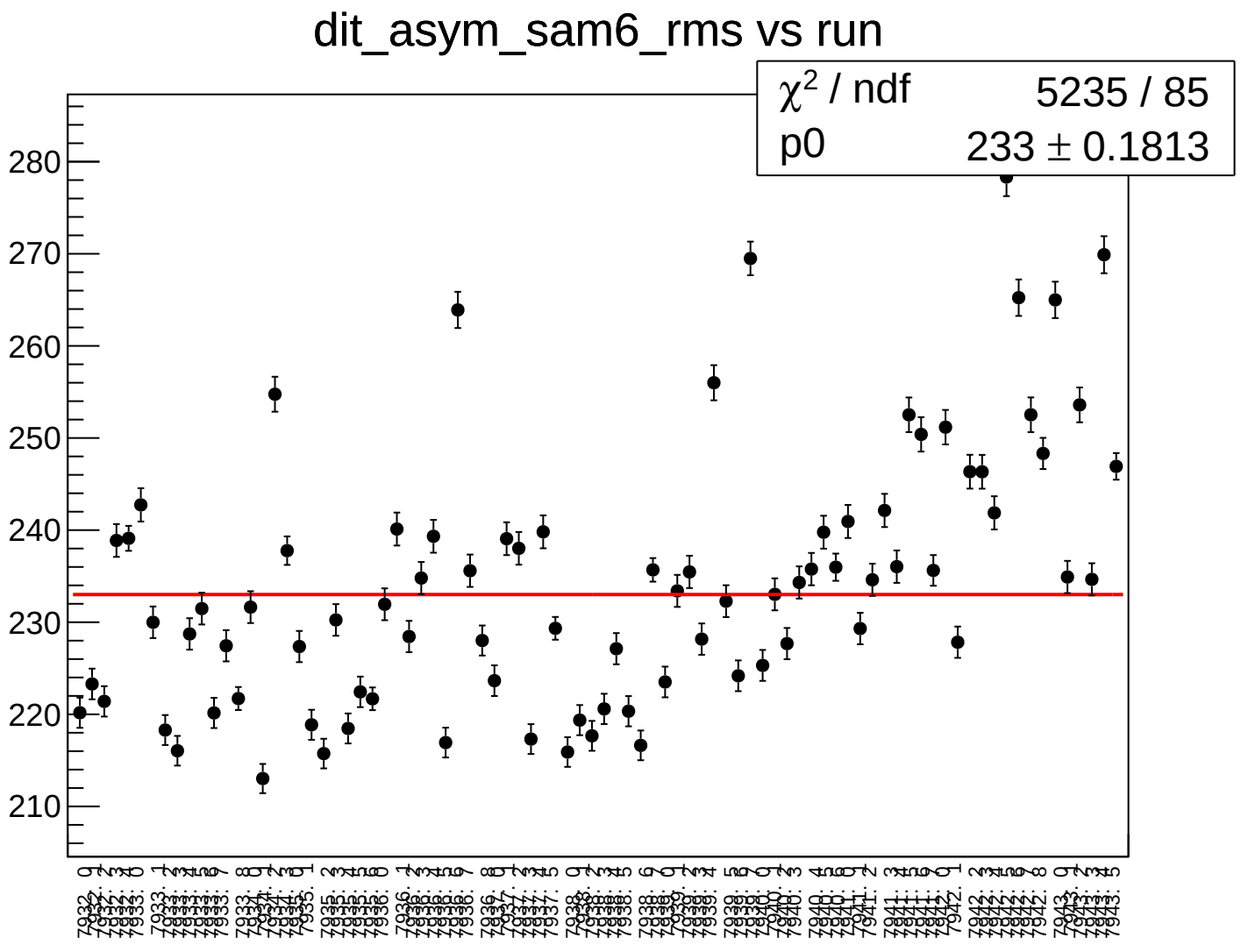

asym_sam5_mean vs run
χ² / ndf 78.37 / 85
p0 440 ± 1219
pull
Entries 86
Mean 194.5
Std Dev 140.6

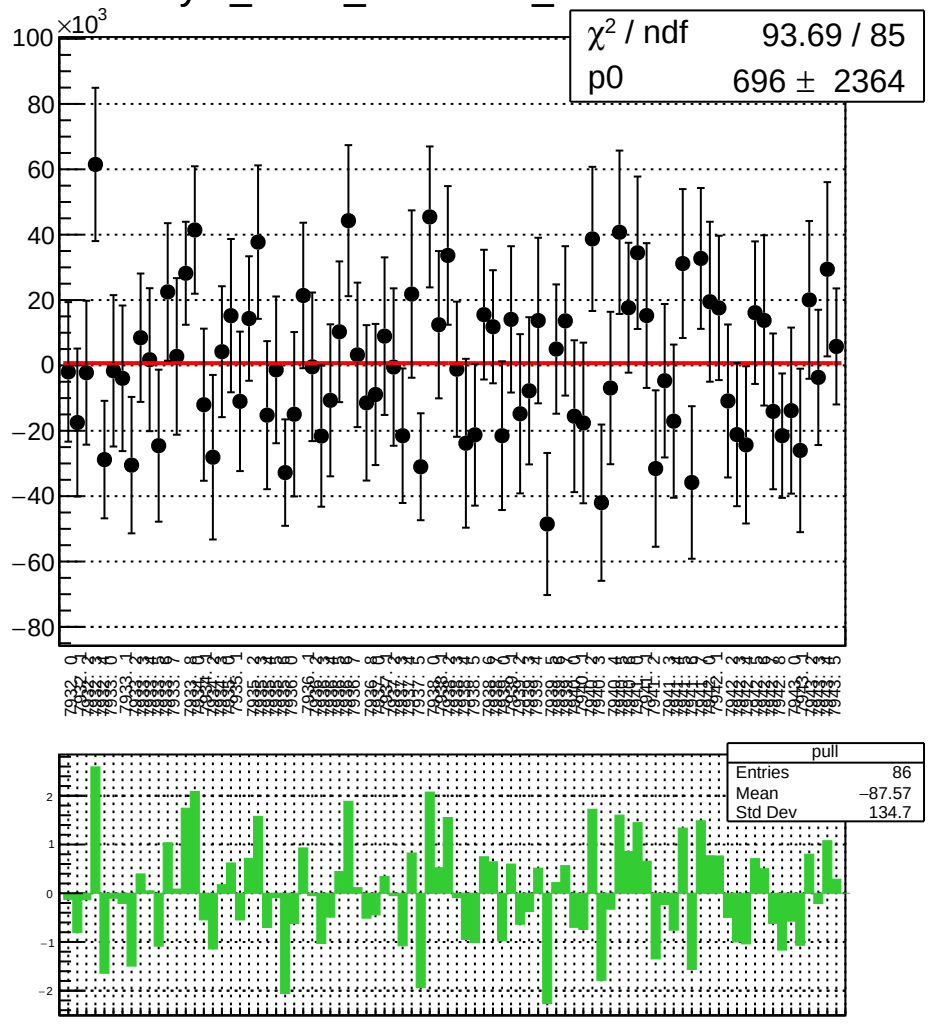

pull1D
Entries 86
Mean −0.008249
Std Dev 0.9546

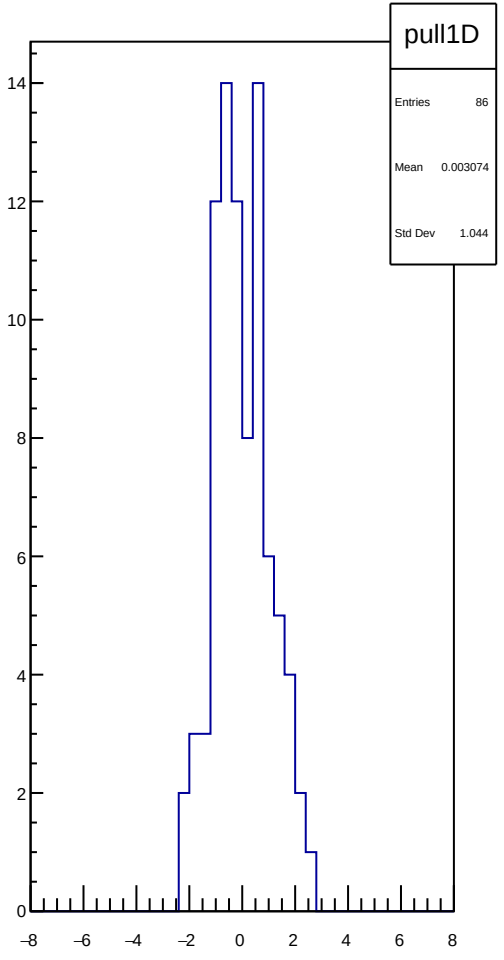

asym_sam5_rms vs run
χ^2 / ndf 1.21e+04 / 85
p0 1105 ± 0.8617
1300
1200
1100
1000
900

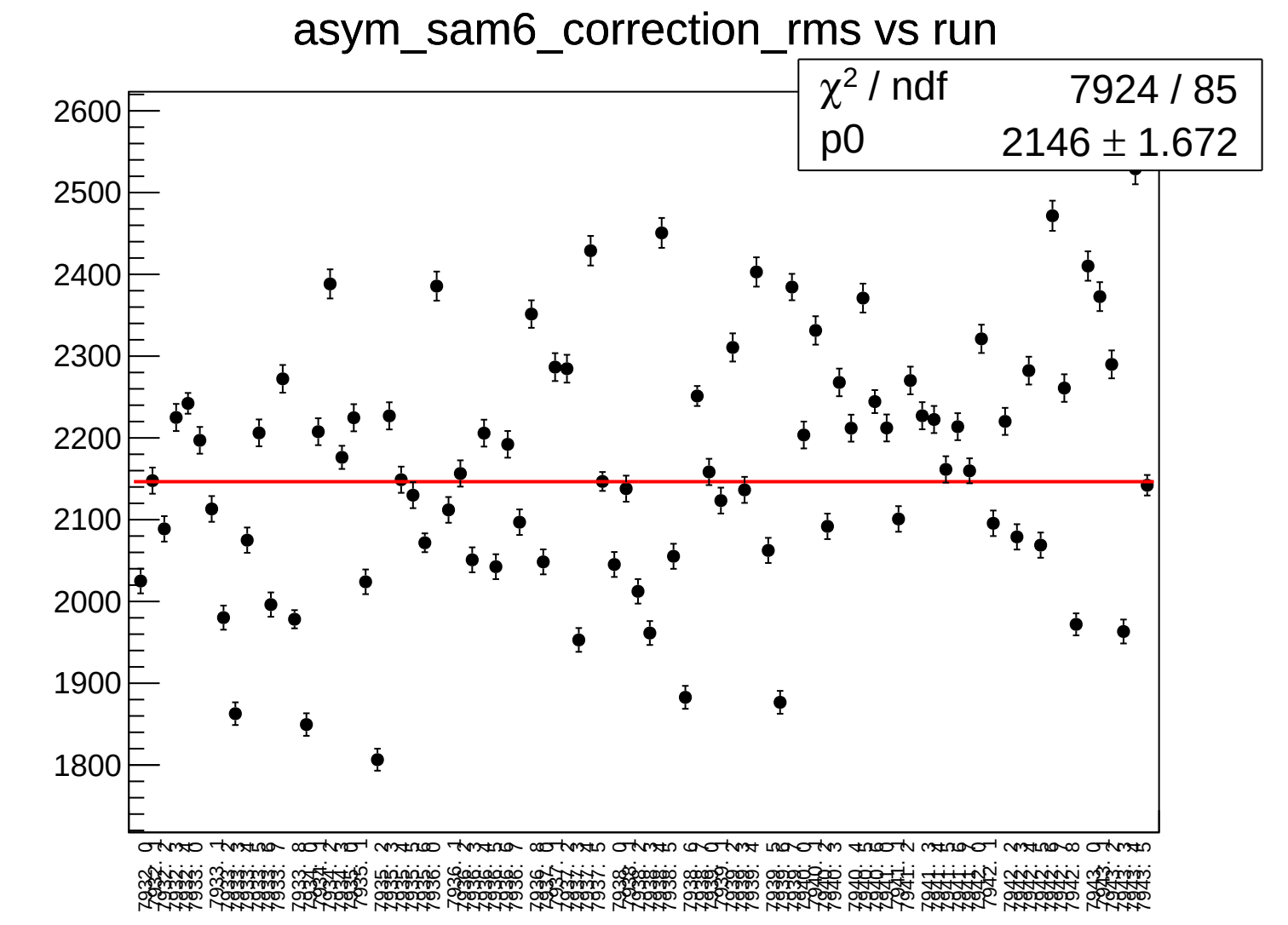

dit_asym_sam6_mean vs run
χ^2 / ndf 83.88 / 85
p0 819.4 ± 256.4
pull
Entries 86
Mean 16.98
Std Dev 96.82

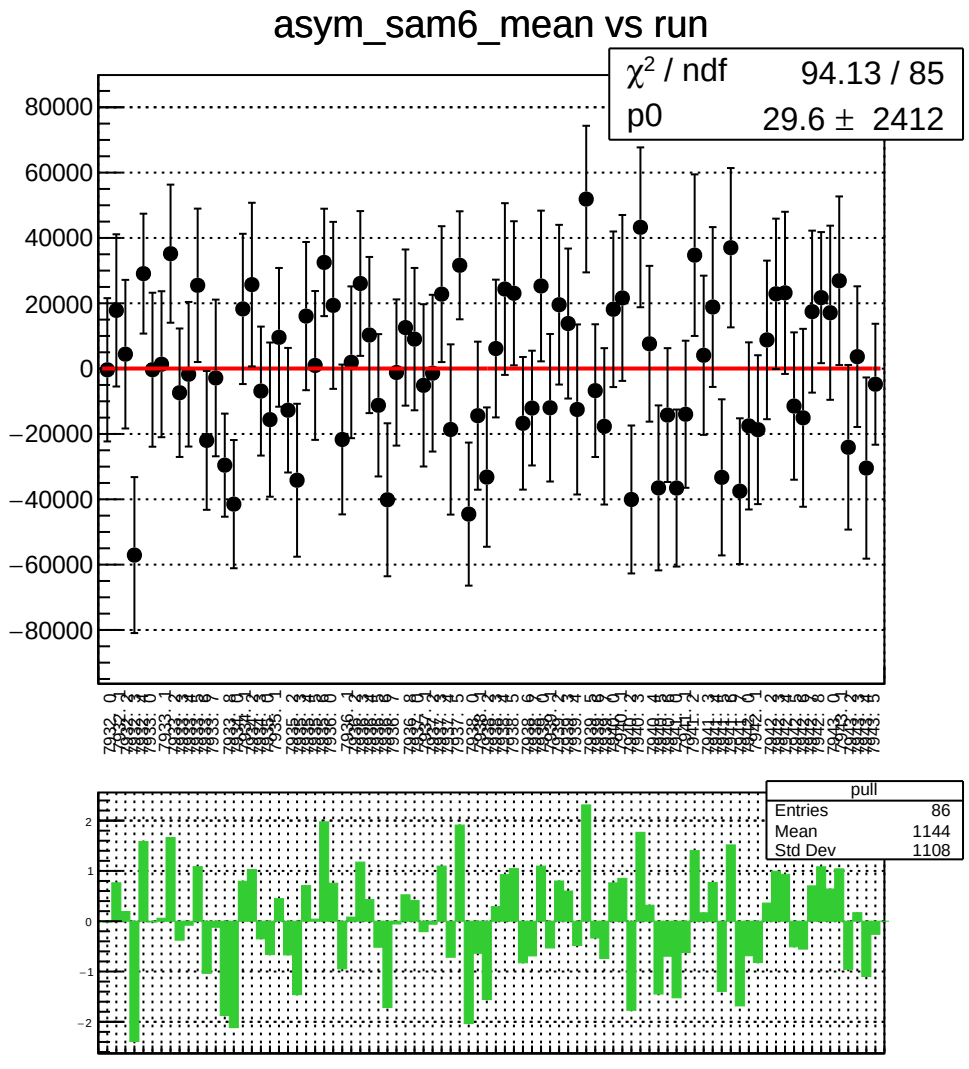

pull1D
Entries 86
Mean 0.01049
Std Dev 0.9876

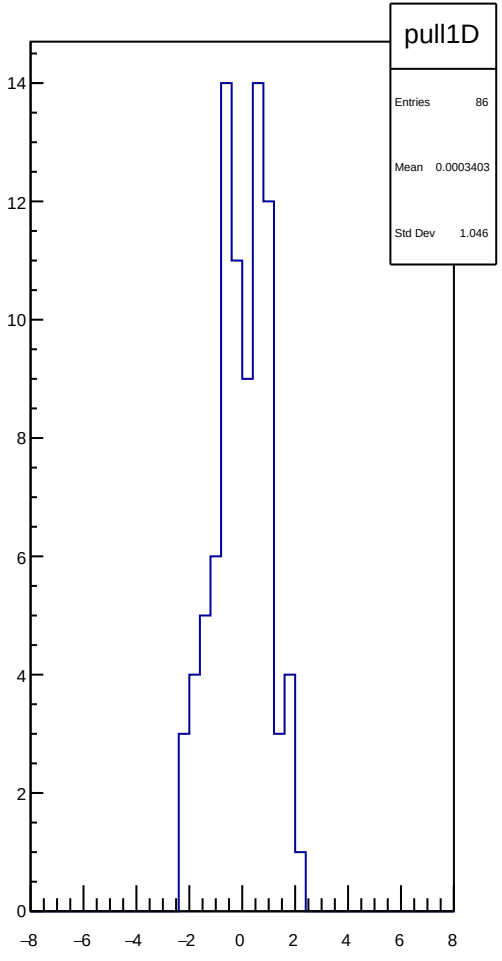

dit_asym_sam6_rms vs run
χ^2 / ndf 5235 / 85
p0 233 ± 0.1813
280
270
260
250
240
230
220
210

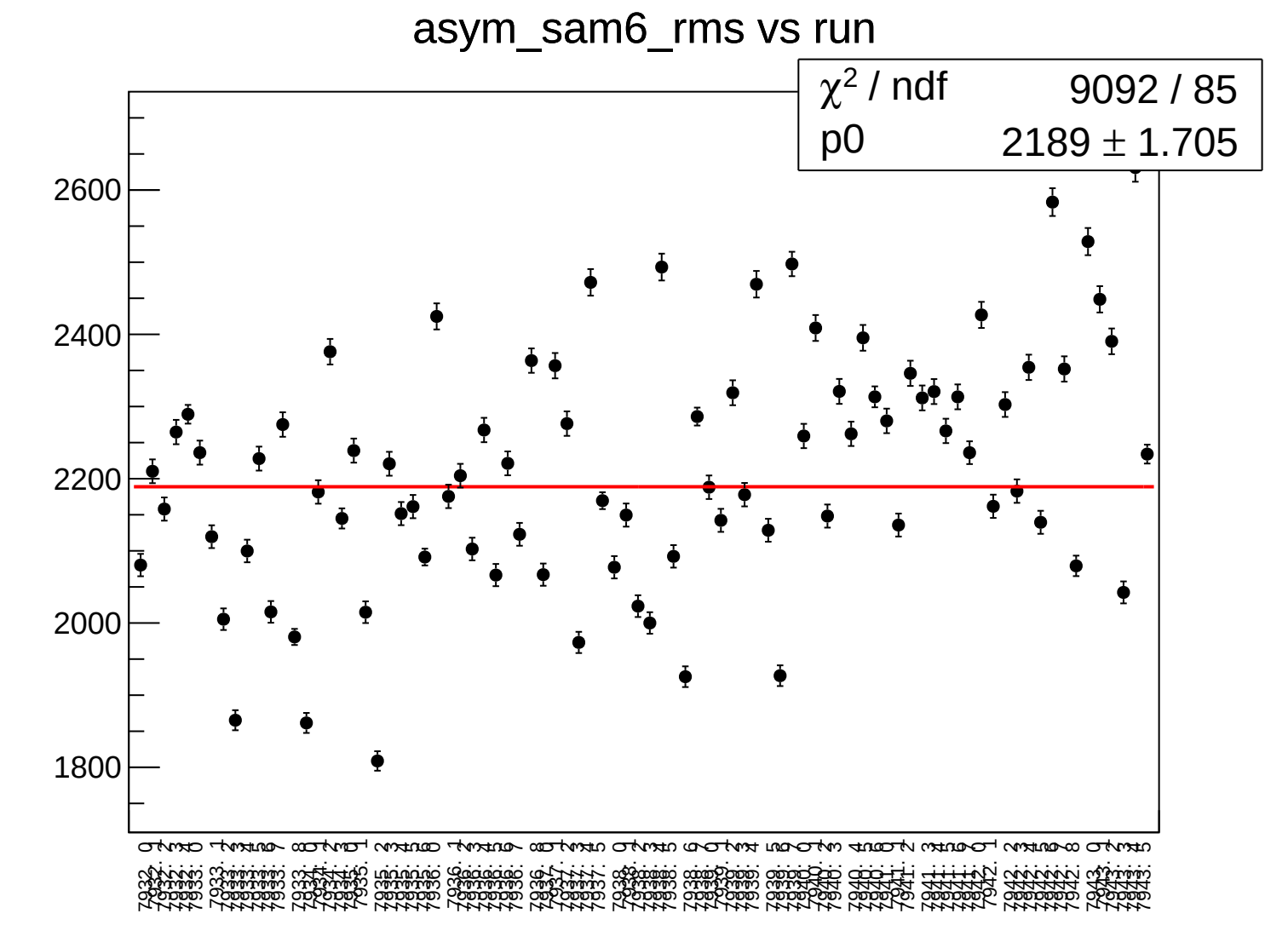

asym_sam6_correction_mean vs run
χ² / ndf 93.69 / 85
p0 696 ± 2364
×10³
pull
Entries 86
Mean −87.57
Std Dev 134.7

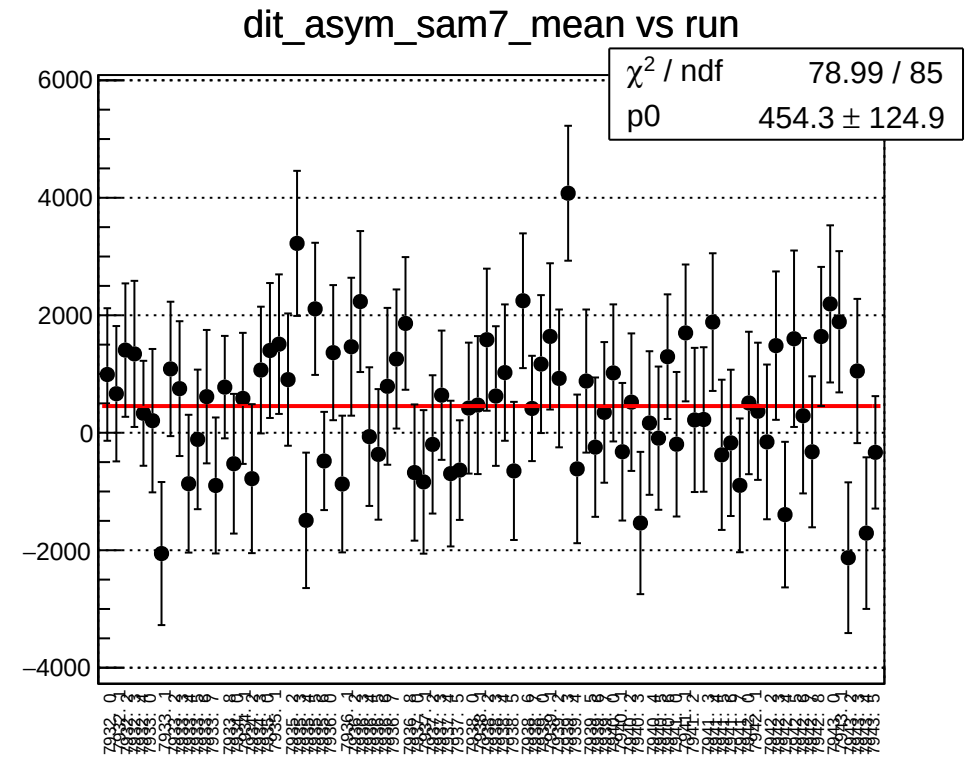

pull1D
Entries 86
Mean 0.003074
Std Dev 1.044

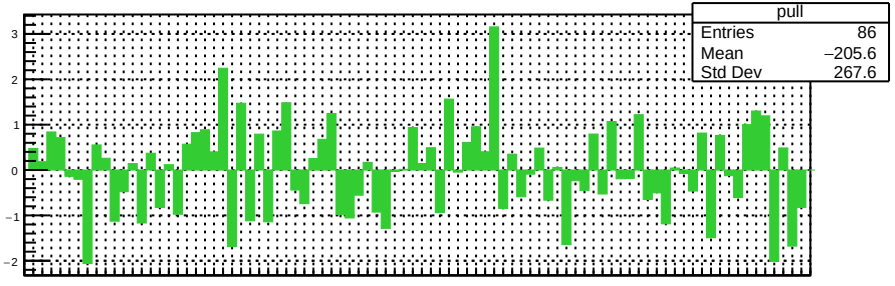

asym_sam6_correction_rms vs run
χ² / ndf 7924 / 85
p0 2146 ± 1.672
2600
2500
2400
2300
2200
2100
2000
1900
1800

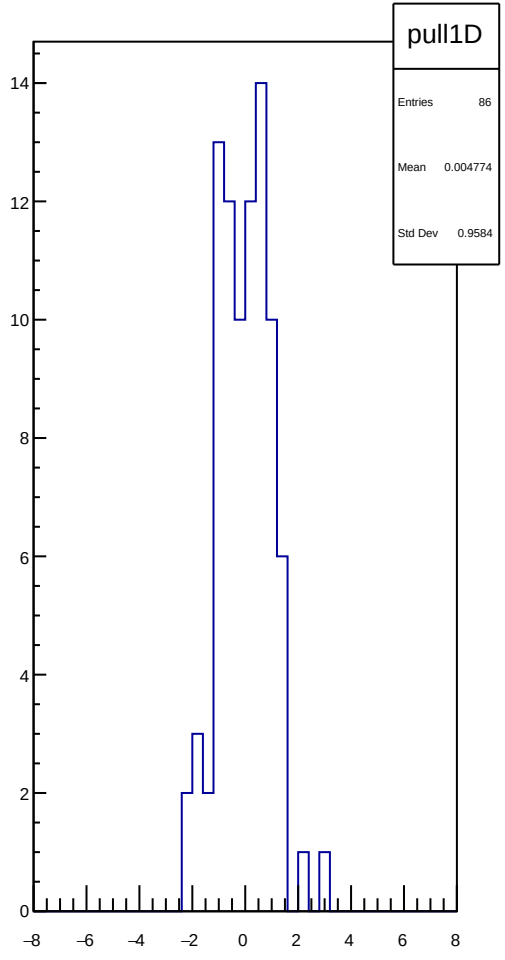

asym_sam6_mean vs run
χ² / ndf 94.13 / 85
p0 29.6 ± 2412
pull
Entries 86
Mean 1144
Std Dev 1108

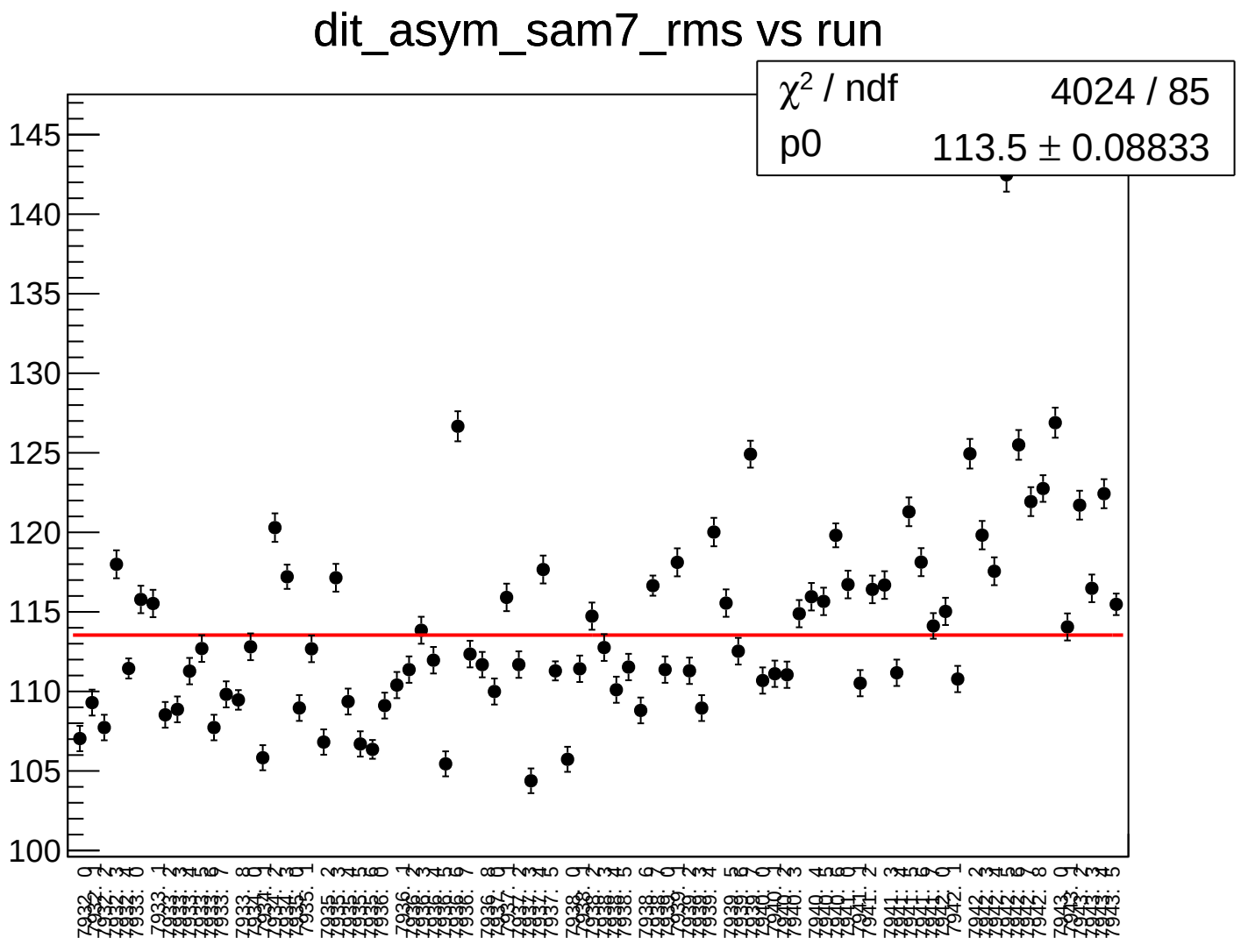

pull1D
Entries 86
Mean 0.0003403
Std Dev 1.046

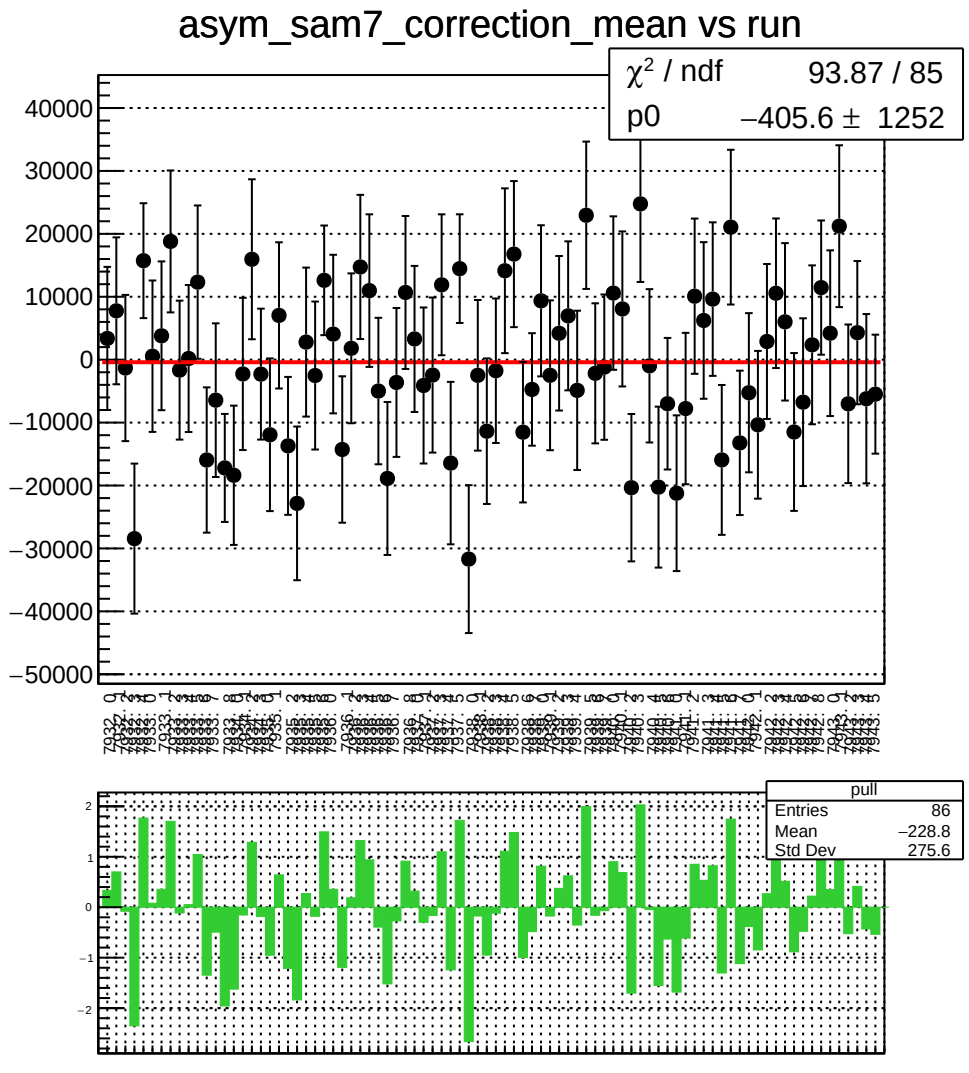

asym_sam6_rms vs run
χ² / ndf 9092 / 85
p0 2189 ± 1.705
2600
2400
2200
2000
1800

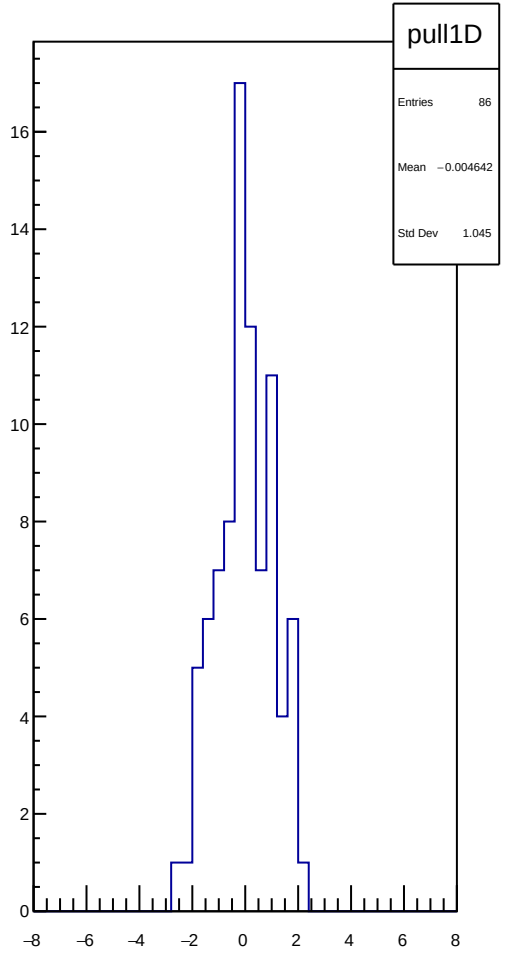

dit_asym_sam7_mean vs run
χ^2 / ndf 78.99 / 85
p0 454.3 ± 124.9
6000
4000
2000
0
−2000
−4000

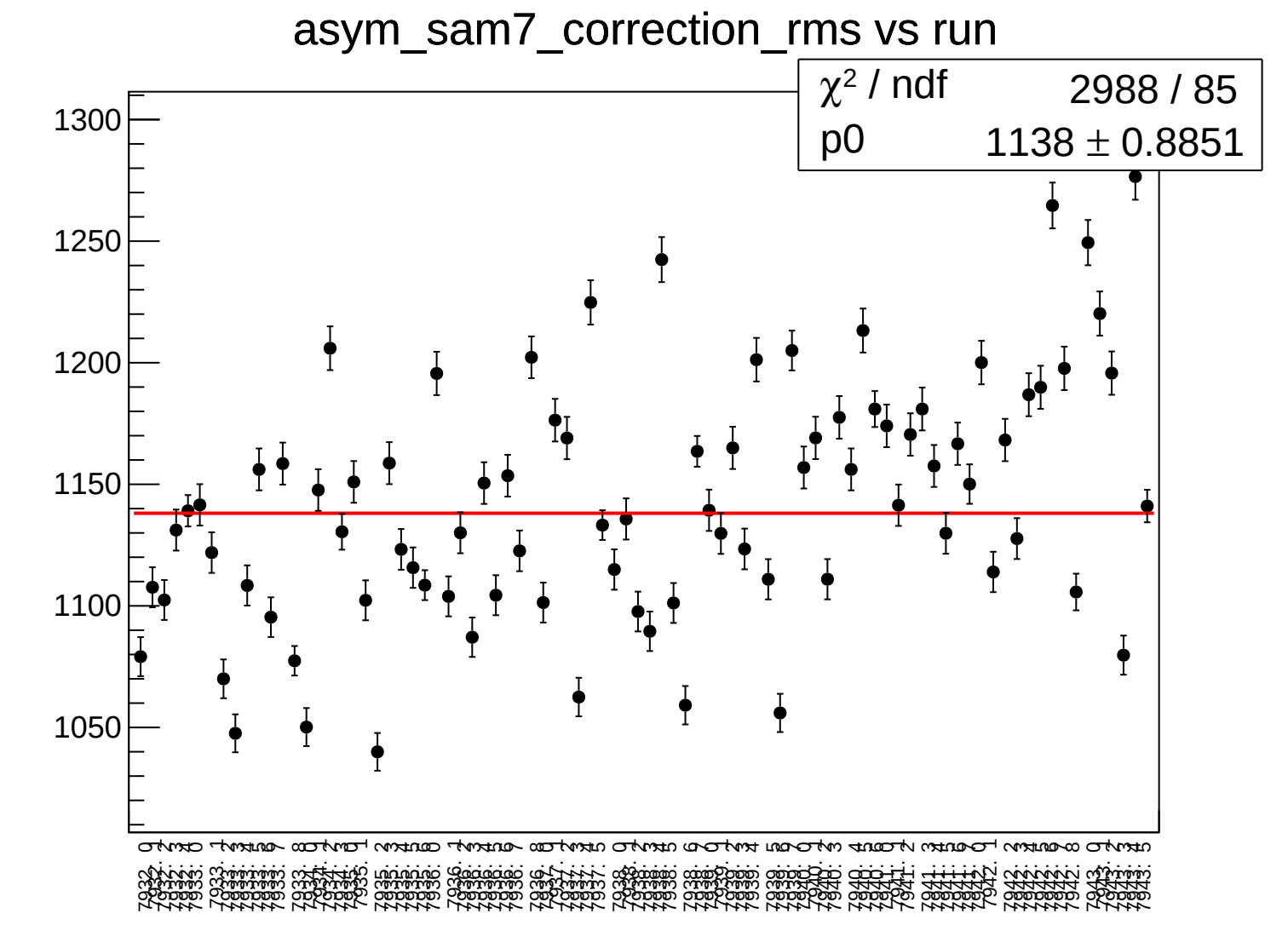

pull
Entries 86
Mean −205.6
Std Dev 267.6
3
2
1
0
−1
−2

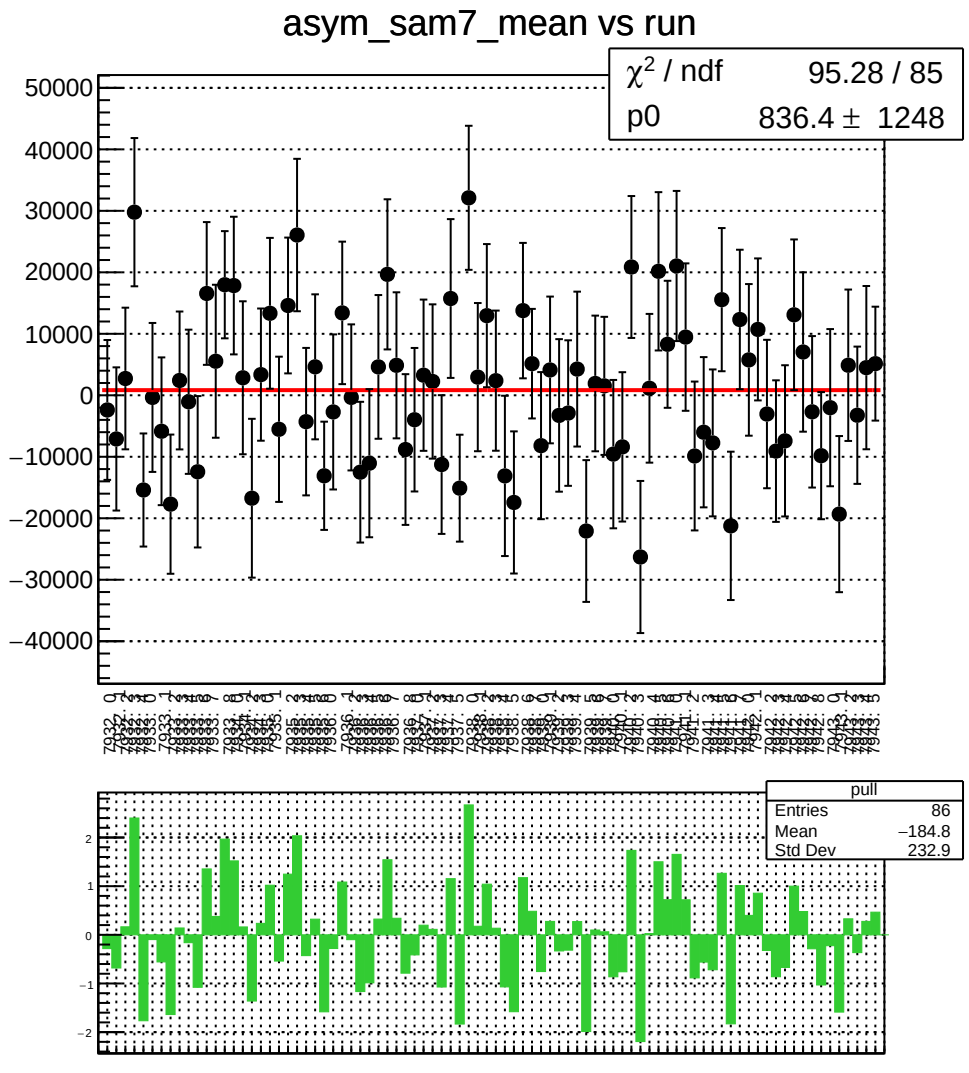

pull1D
Entries 86
Mean 0.004774
Std Dev 0.9584
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

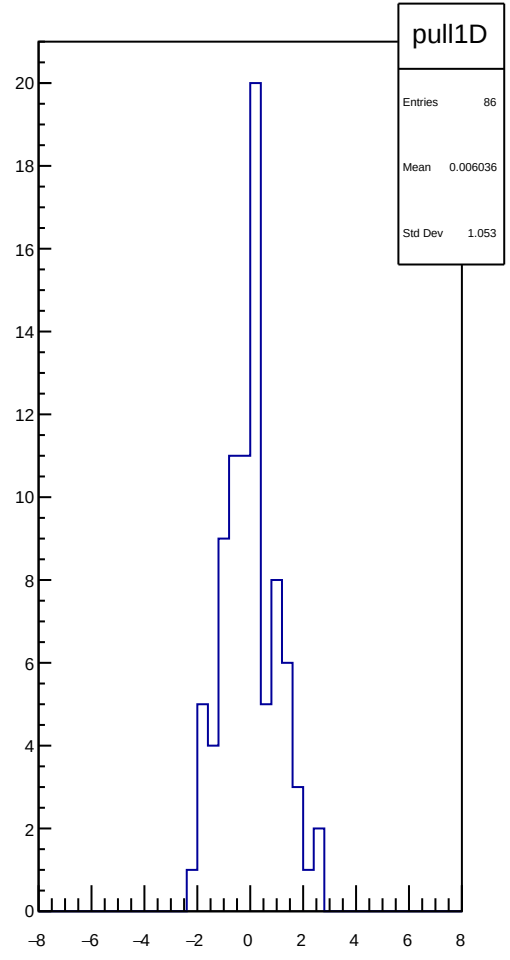

dit_asym_sam7_rms vs run
χ² / ndf 4024 / 85
p0 113.5 ± 0.08833
145
140
135
130
125
120
115
110
105
100

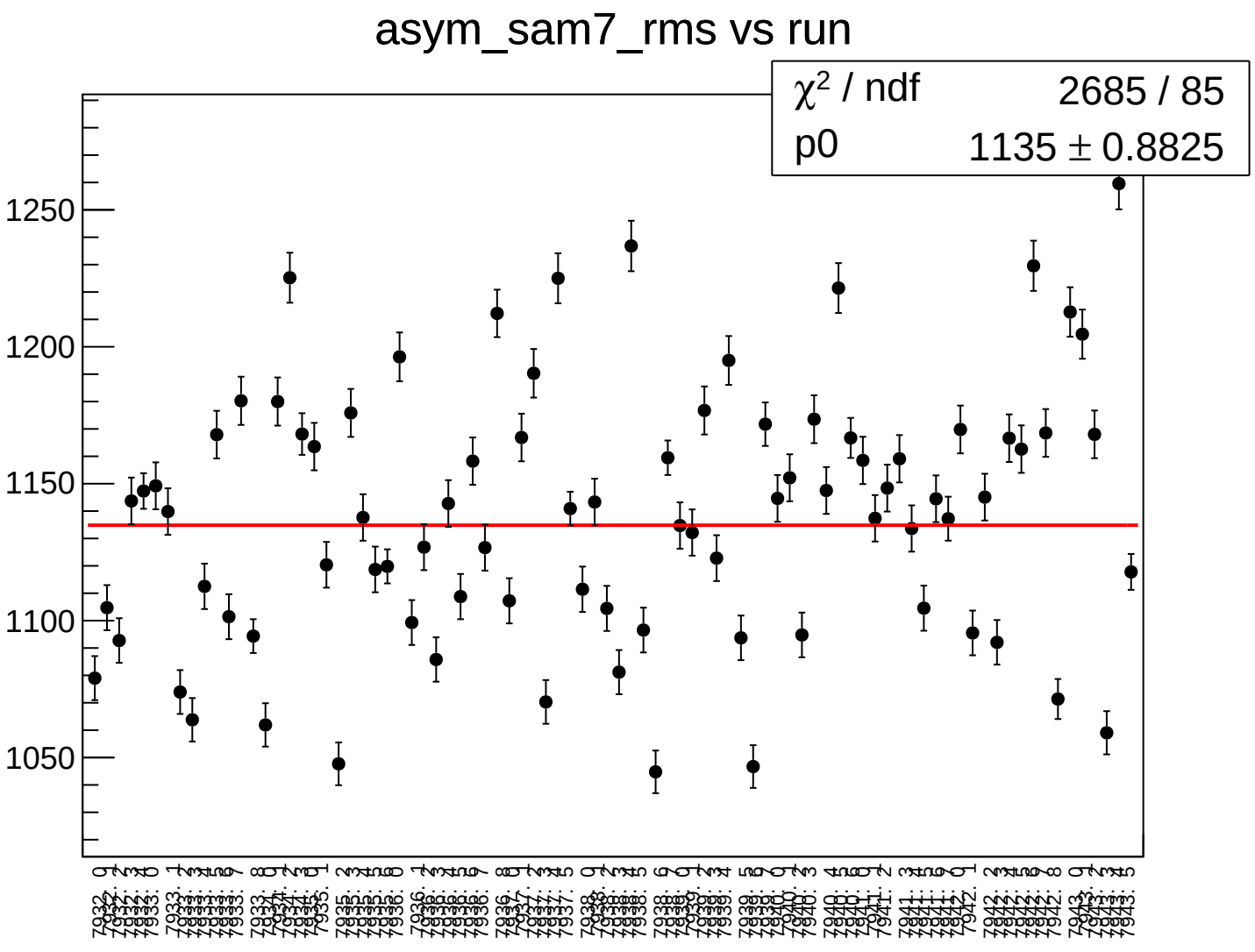

asym_sam7_correction_mean vs run
χ² / ndf 93.87 / 85
p0 −405.6 ± 1252
pull
Entries 86
Mean −228.8
Std Dev 275.6

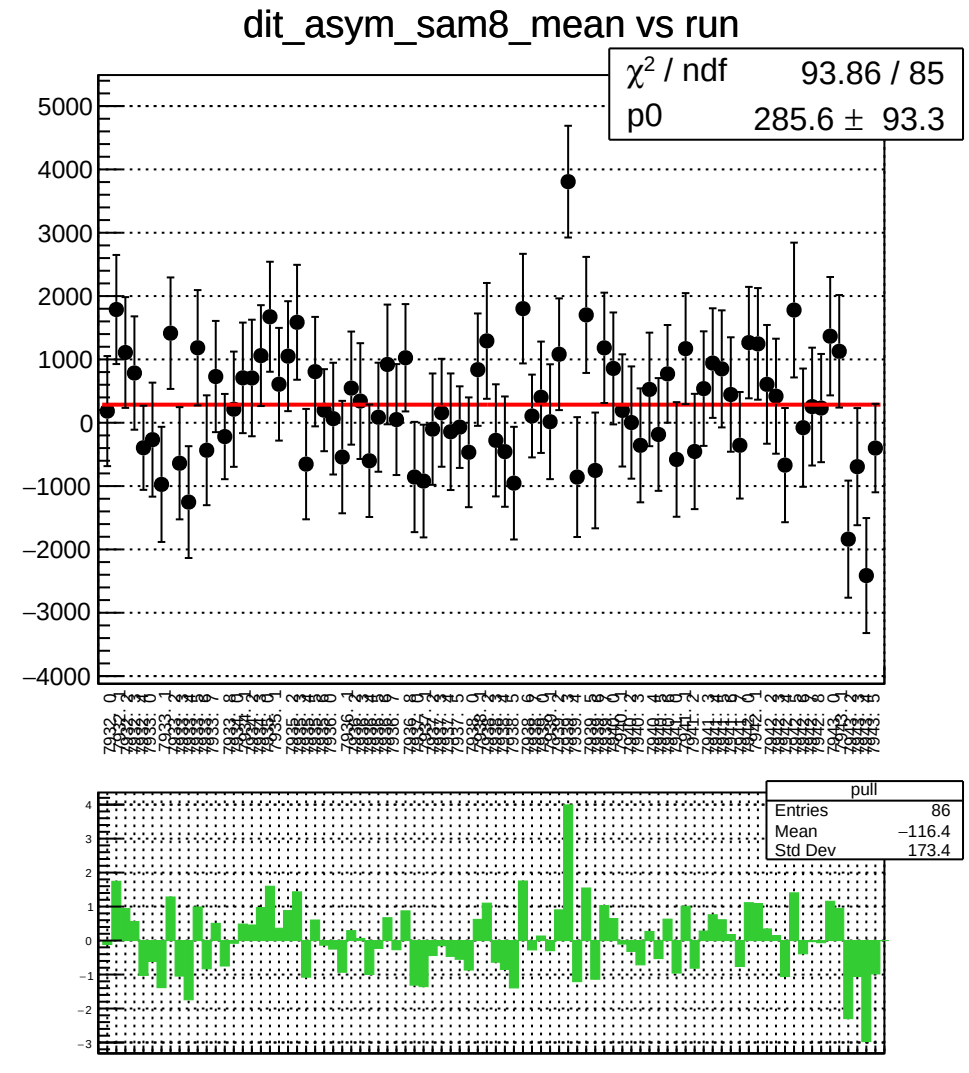

pull1D
Entries 86
Mean −0.004642
Std Dev 1.045

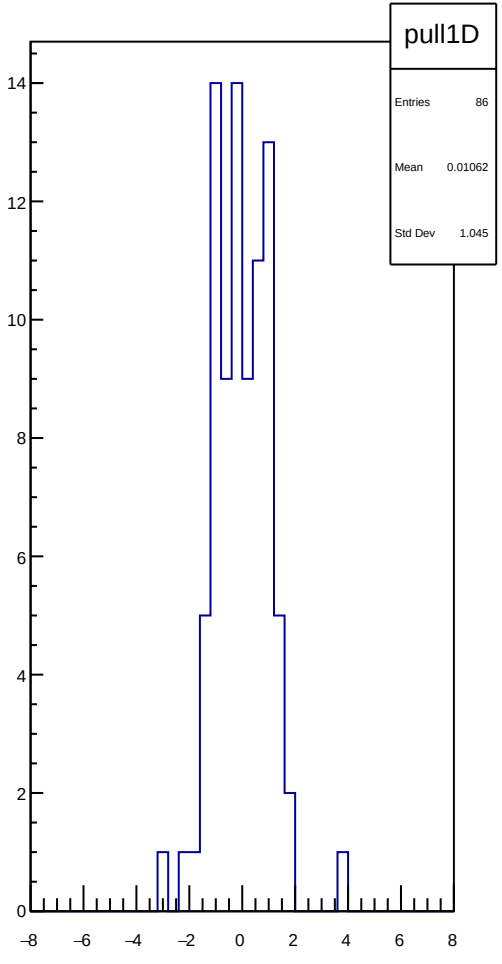

asym_sam7_correction_rms vs run
χ² / ndf 2988 / 85
p0 1138 ± 0.8851
1300
1250
1200
1150
1100
1050

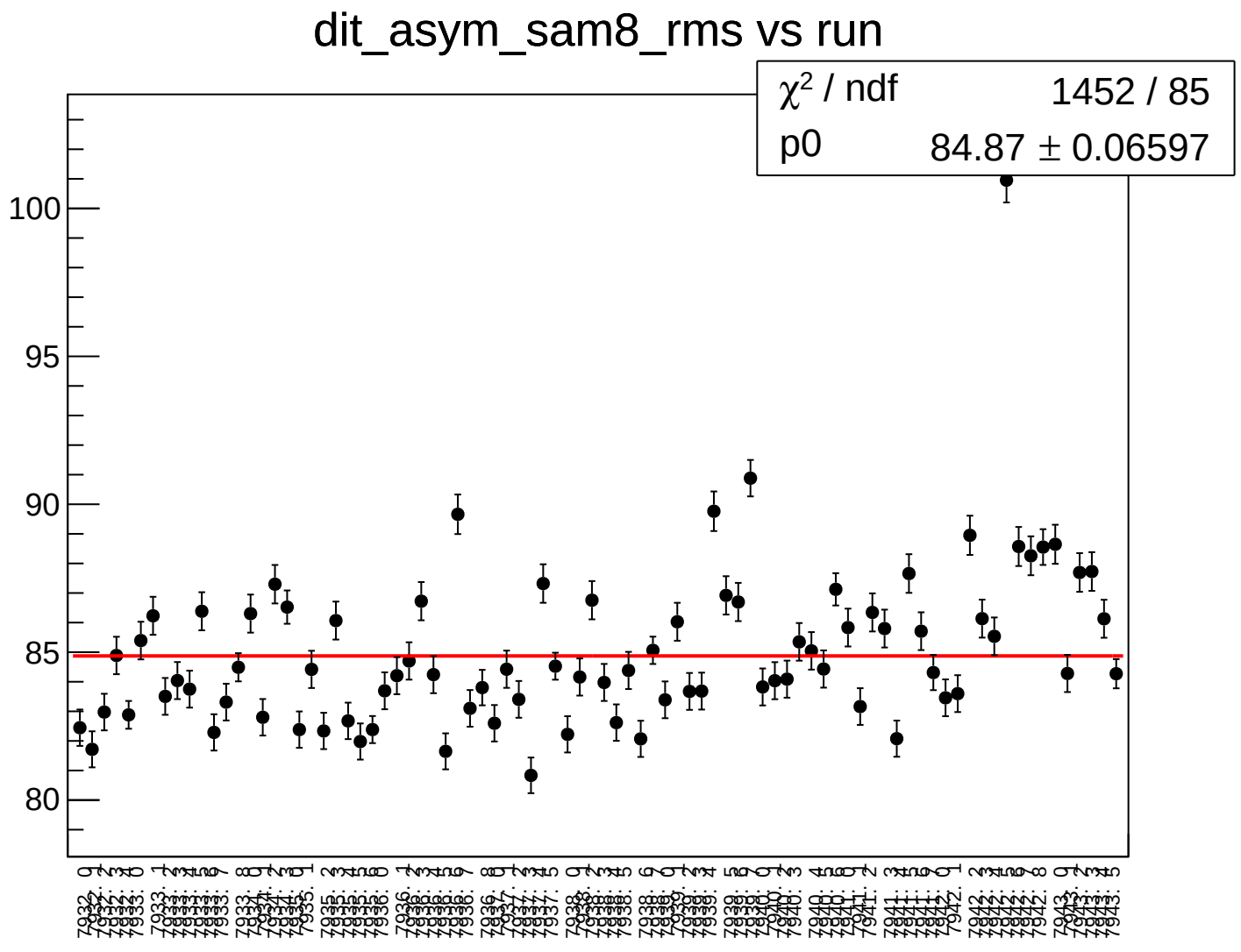

asym_sam7_mean vs run
χ² / ndf 95.28 / 85
p0 836.4 ± 1248
pull
Entries 86
Mean −184.8
Std Dev 232.9

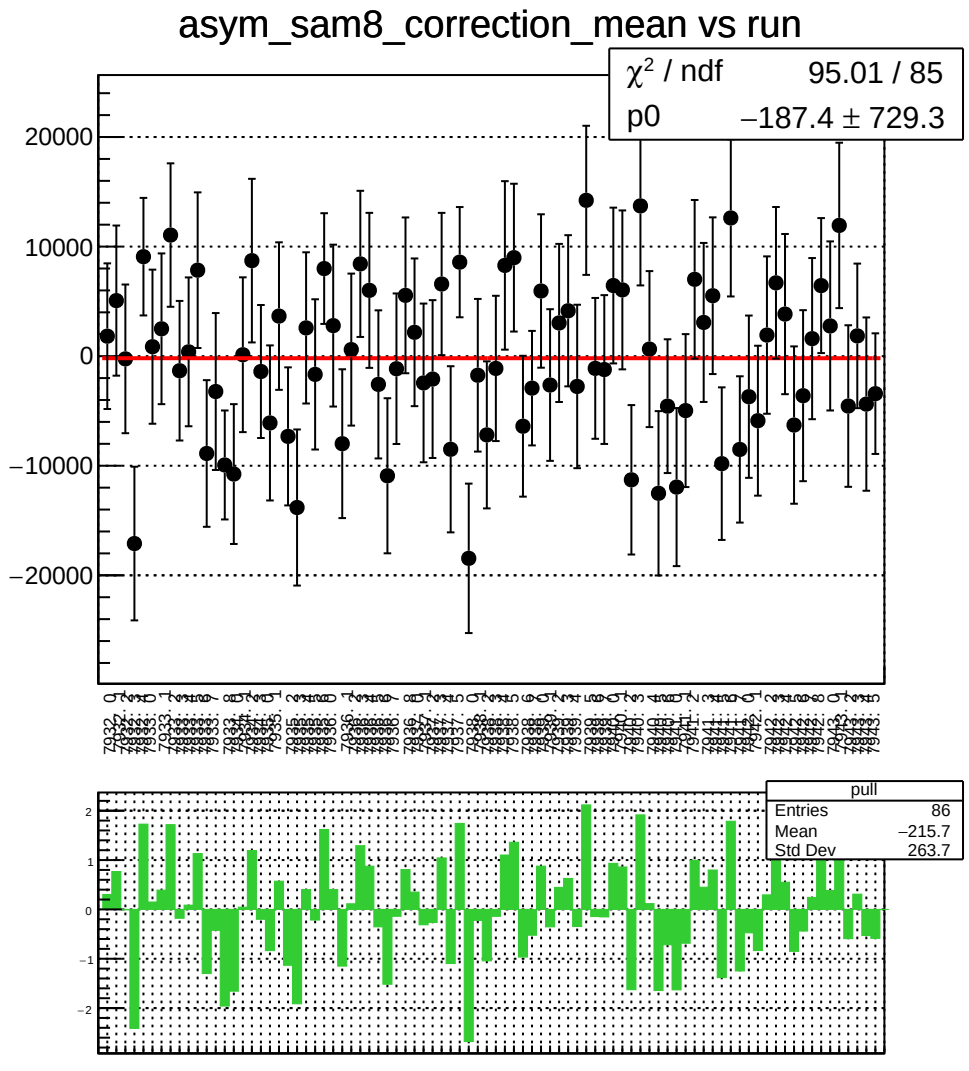

pull1D
Entries 86
Mean 0.006036
Std Dev 1.053

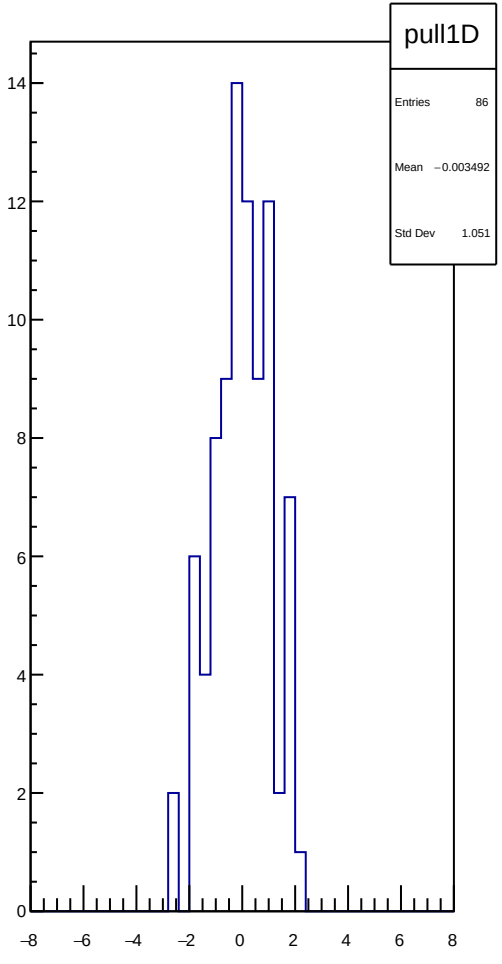

asym_sam7_rms vs run
χ² / ndf 2685 / 85
p0 1135 ± 0.8825
1250
1200
1150
1100
1050

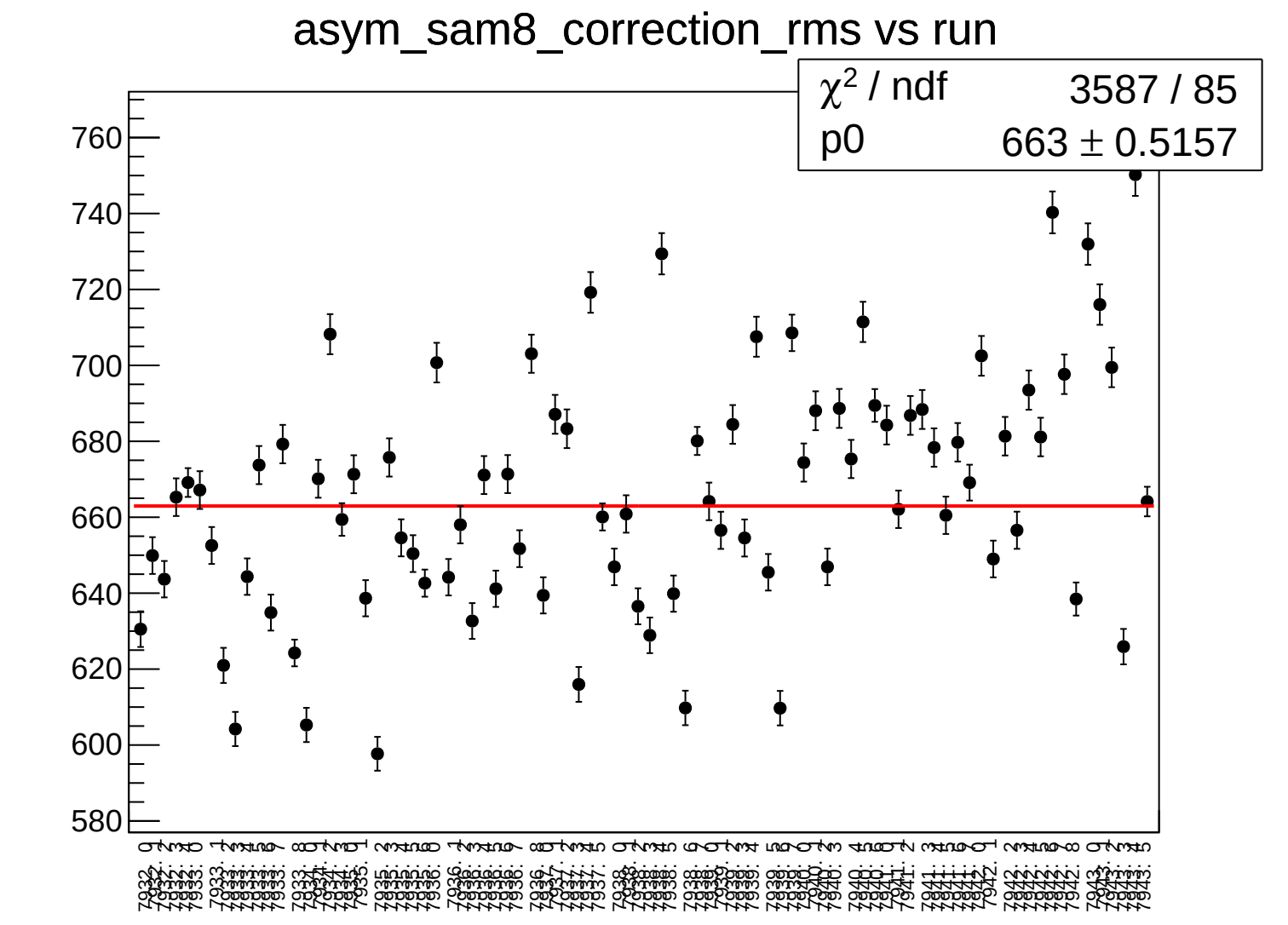

dit_asym_sam8_mean vs run
χ² / ndf 93.86 / 85
p0 285.6 ± 93.3
pull
Entries 86
Mean −116.4
Std Dev 173.4

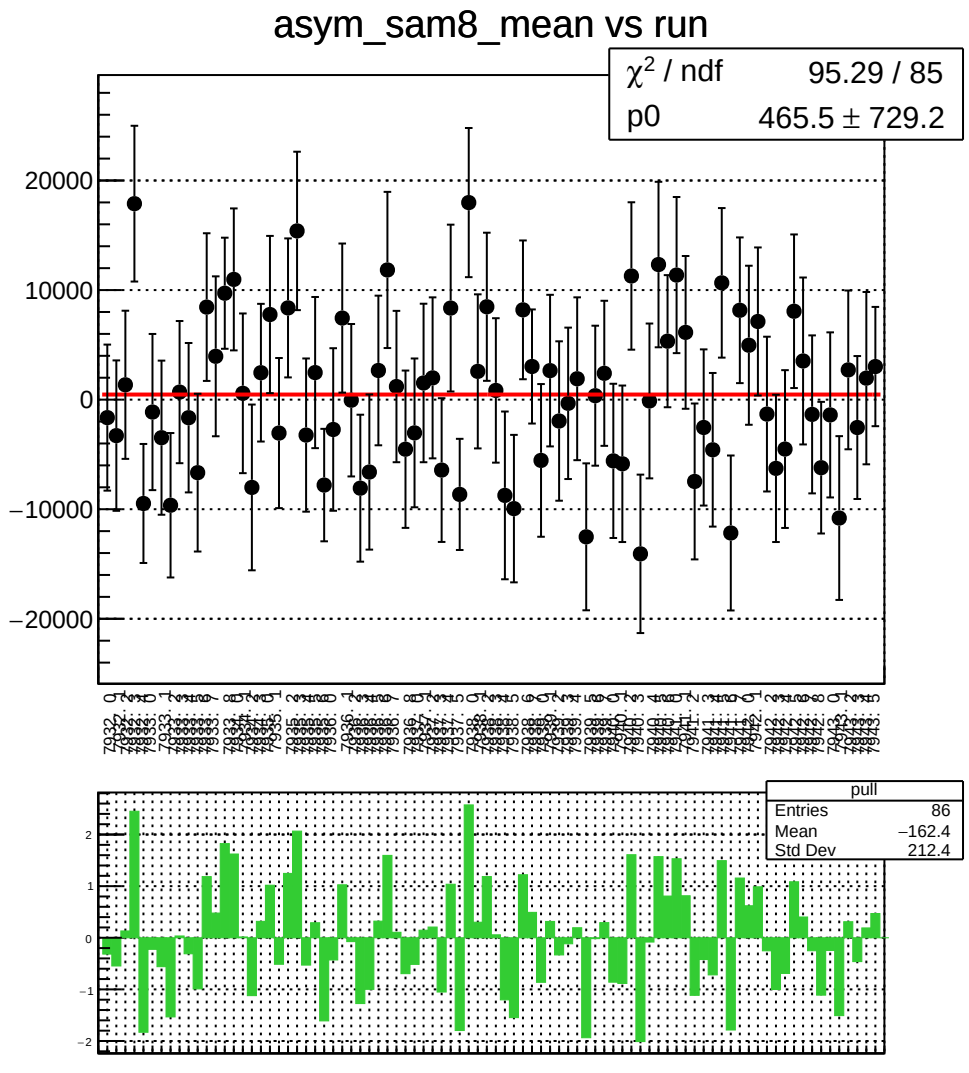

pull1D
Entries 86
Mean 0.01062
Std Dev 1.045

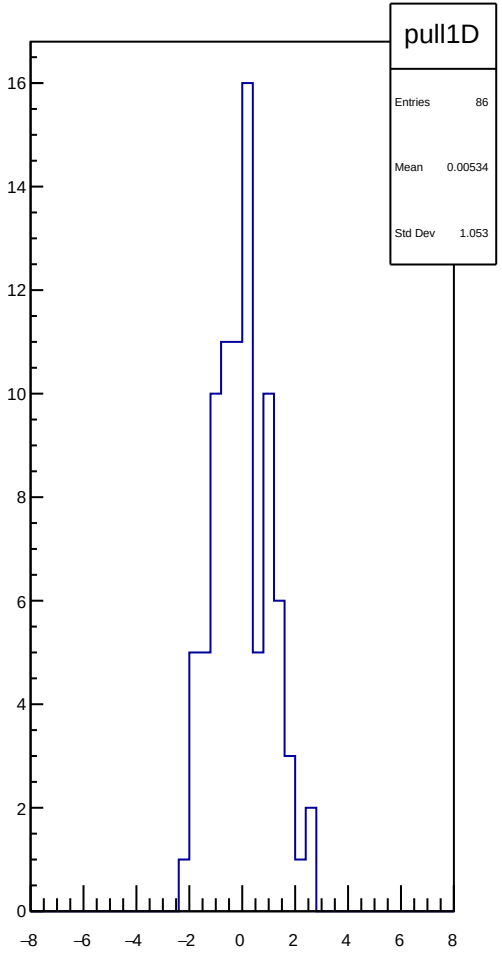

dit_asym_sam8_rms vs run
χ² / ndf 1452 / 85
p0 84.87 ± 0.06597
100
95
90
85
80

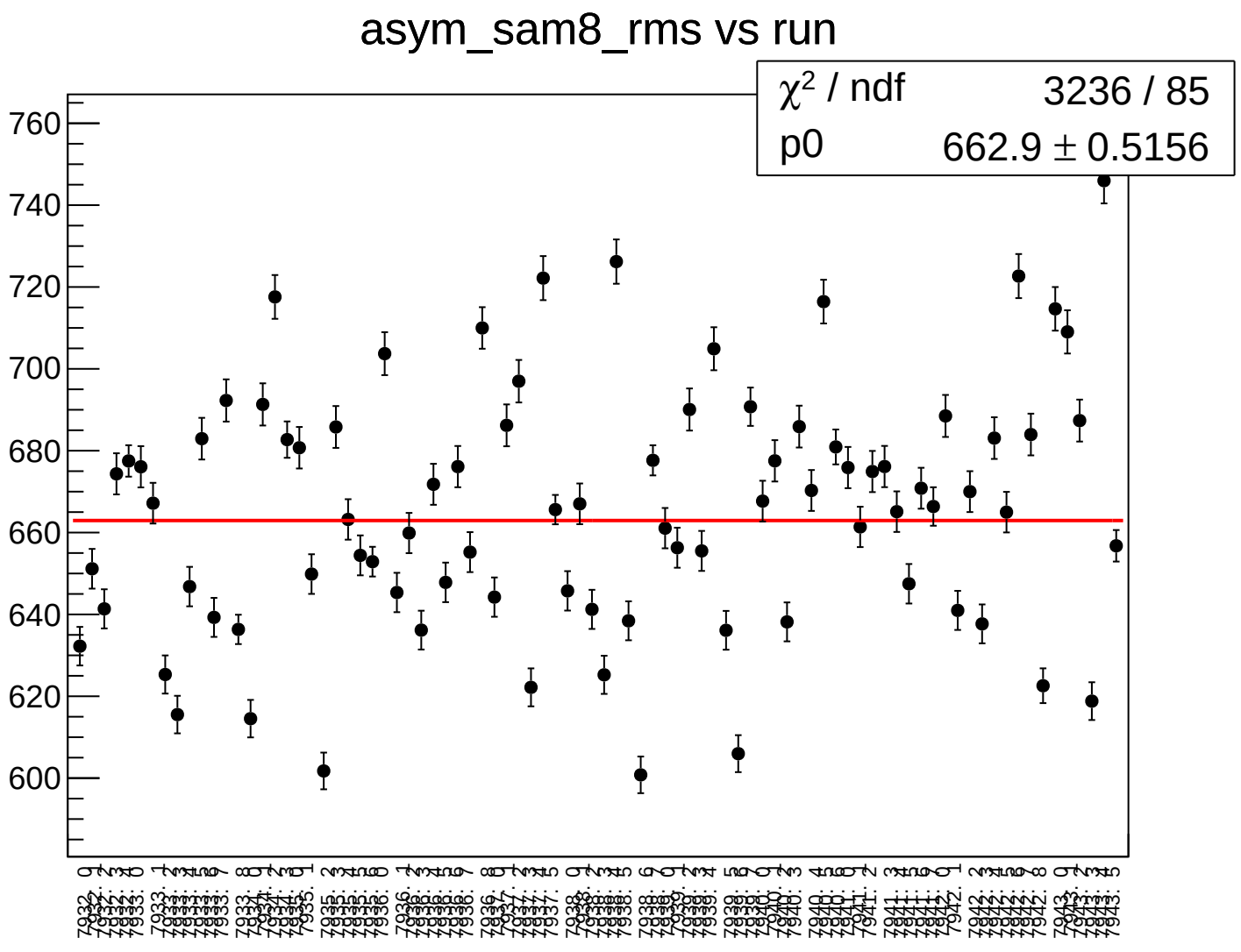

asym_sam8_correction_mean vs run
χ² / ndf 95.01 / 85
p0 −187.4 ± 729.3
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −215.7
Std Dev 263.7
2
1
0
−1
−2

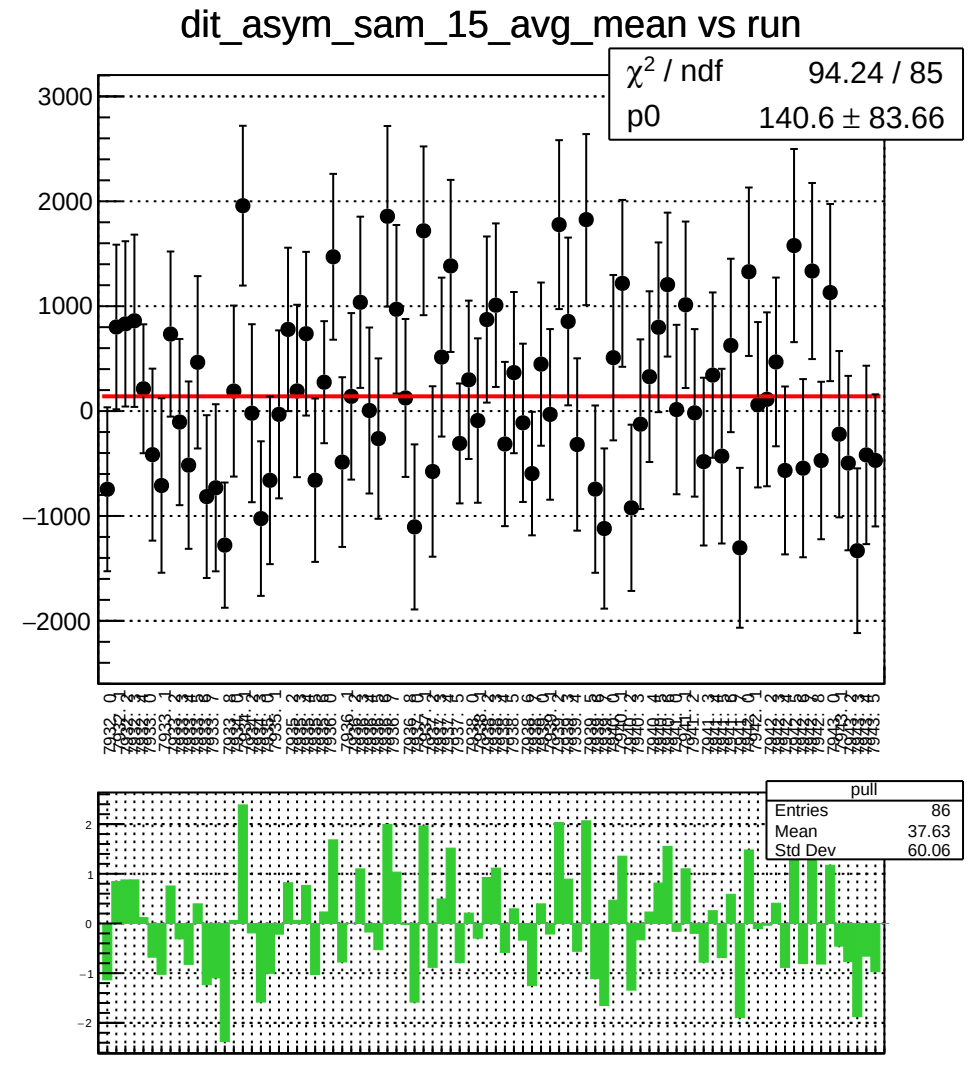

pull1D
Entries 86
Mean −0.003492
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

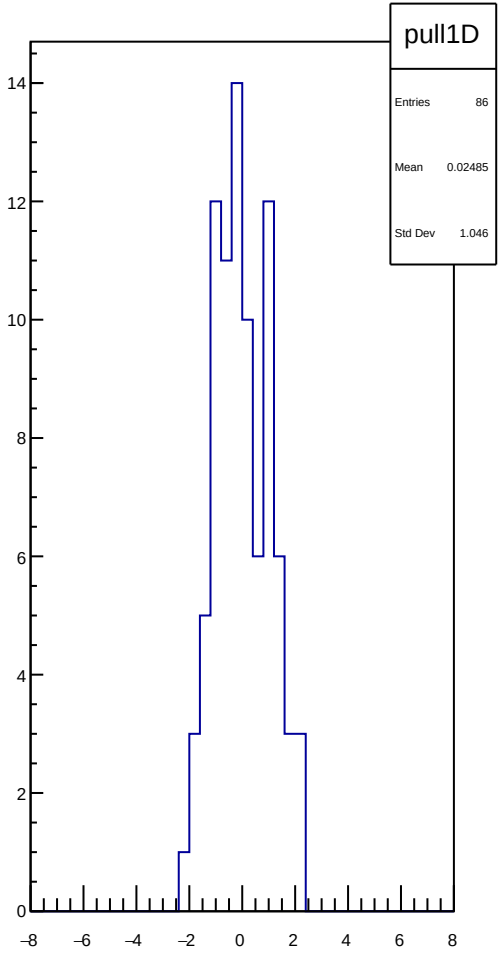

asym_sam8_correction_rms vs run
χ² / ndf 3587 / 85
p0 663 ± 0.5157
760
740
720
700
680
660
640
620
600
580

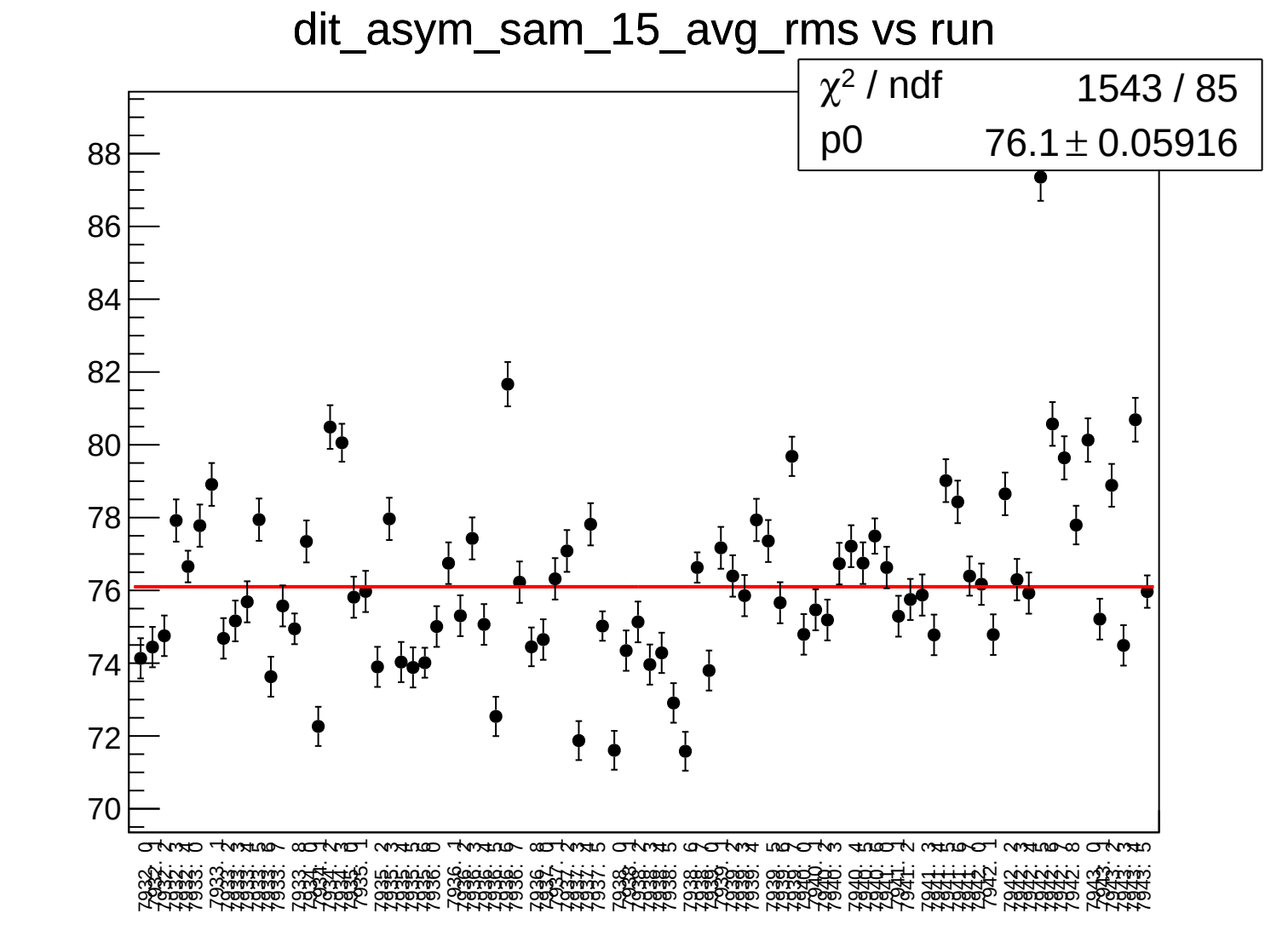

asym_sam8_mean vs run
χ² / ndf 95.29 / 85
p0 465.5 ± 729.2
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −162.4
Std Dev 212.4
2
1
0
−1
−2

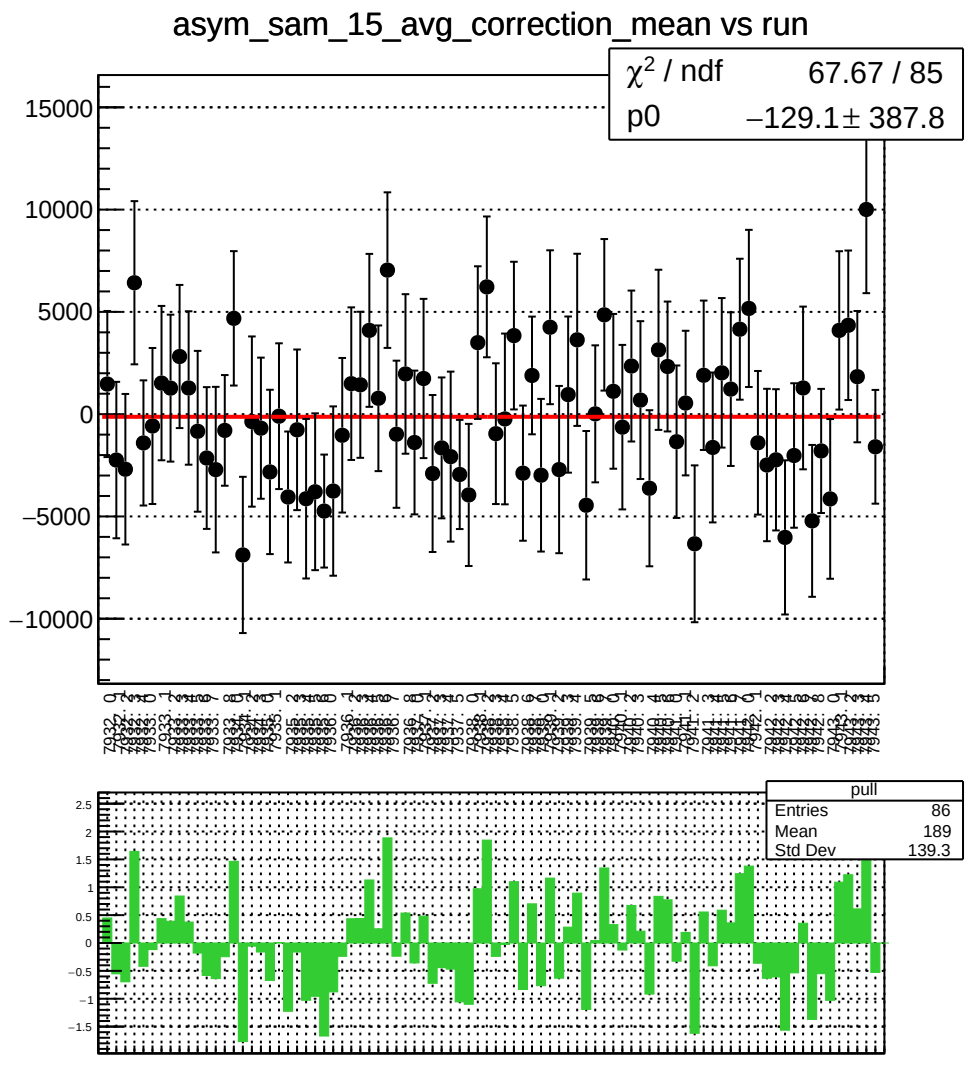

pull1D
Entries 86
Mean 0.00534
Std Dev 1.053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

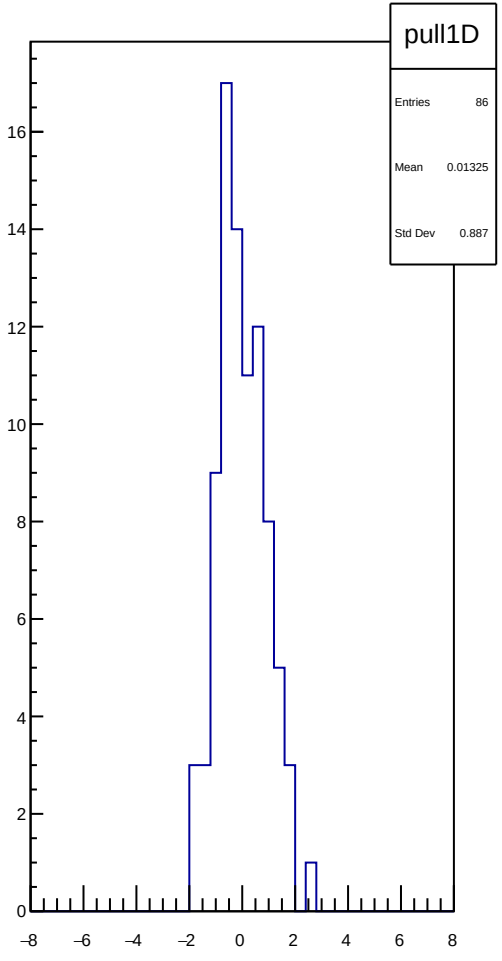

asym_sam8_rms vs run
χ^2 / ndf 3236 / 85
p0 662.9 ± 0.5156
760
740
720
700
680
660
640
620
600

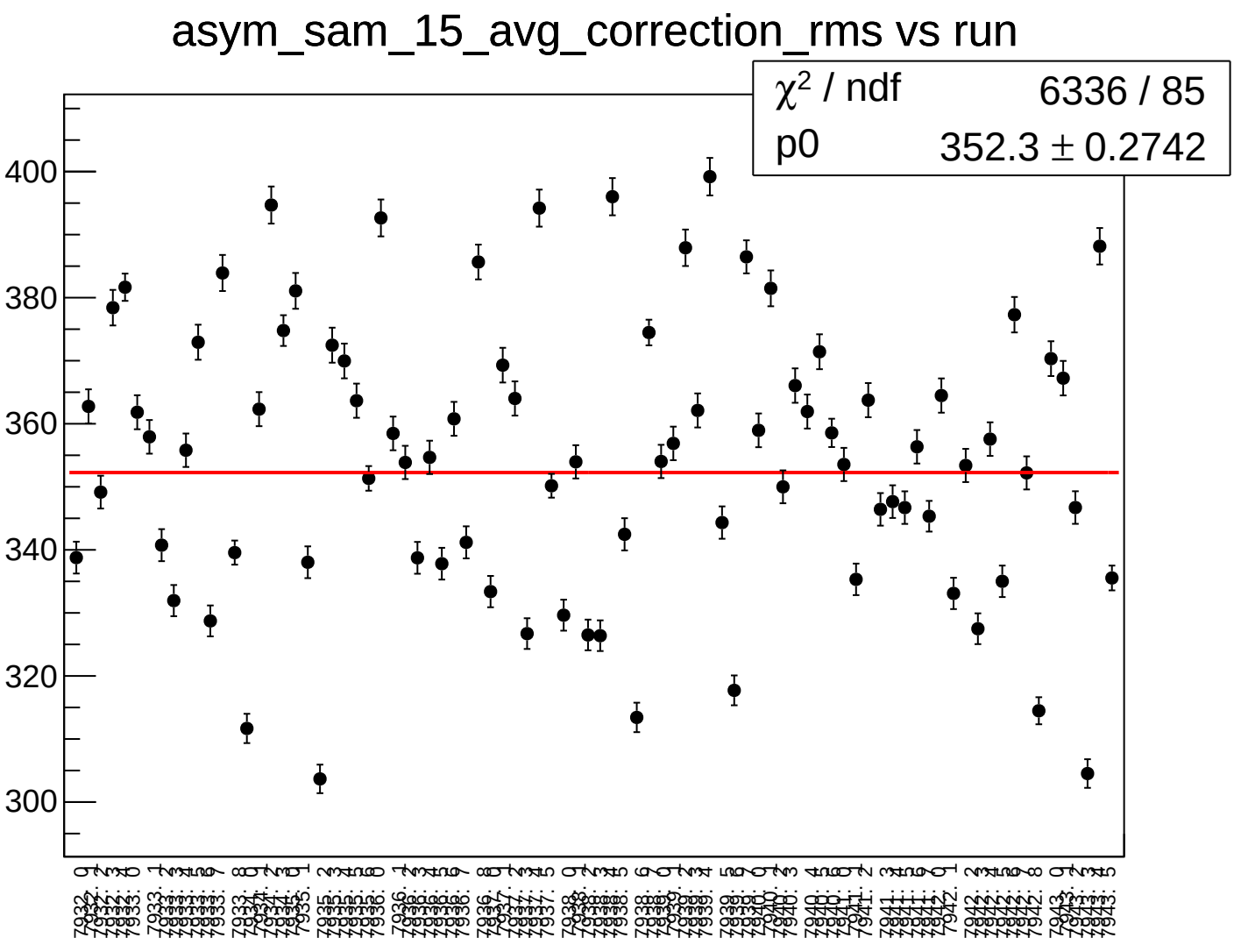

dit_asym_sam_15_avg_mean vs run
χ² / ndf 94.24 / 85
p0 140.6 ± 83.66
3000
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 37.63
Std Dev 60.06
2
1
0
−1
−2

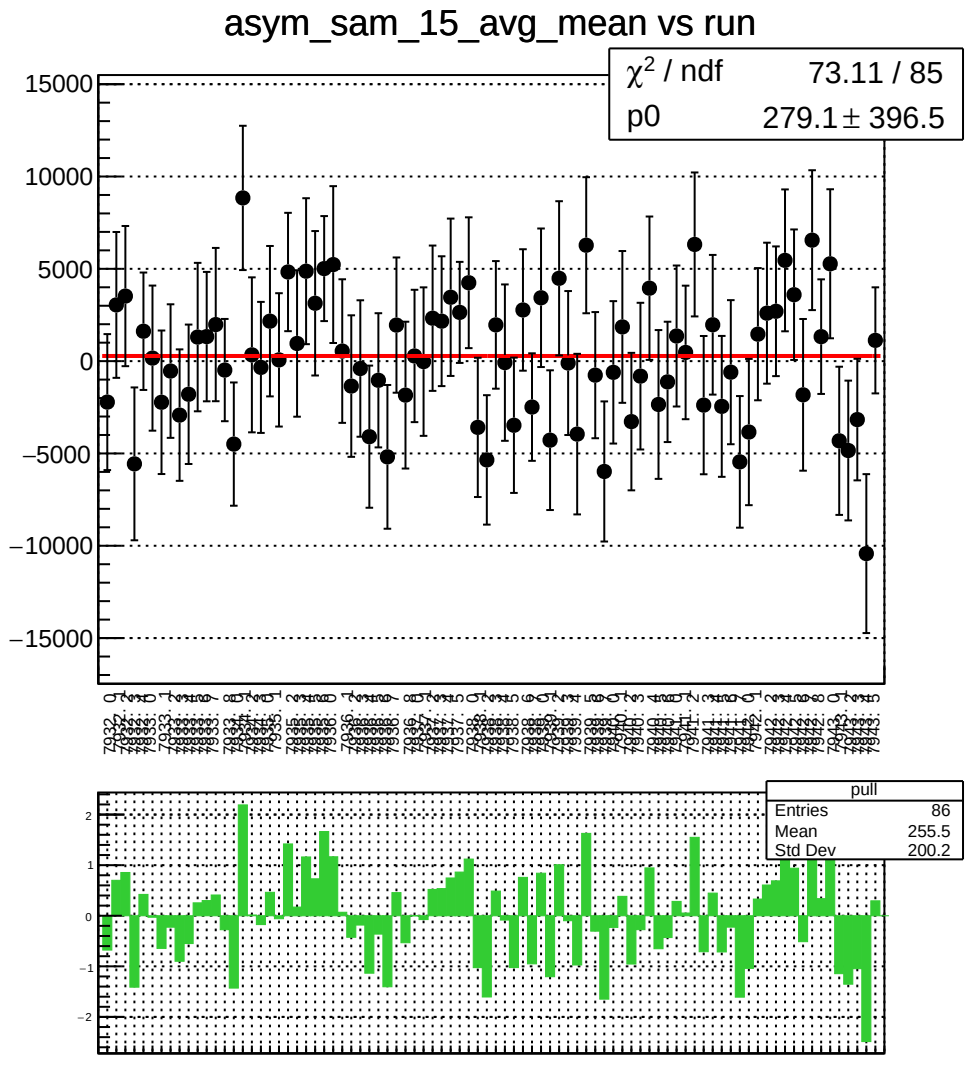

pull1D
Entries 86
Mean 0.02485
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

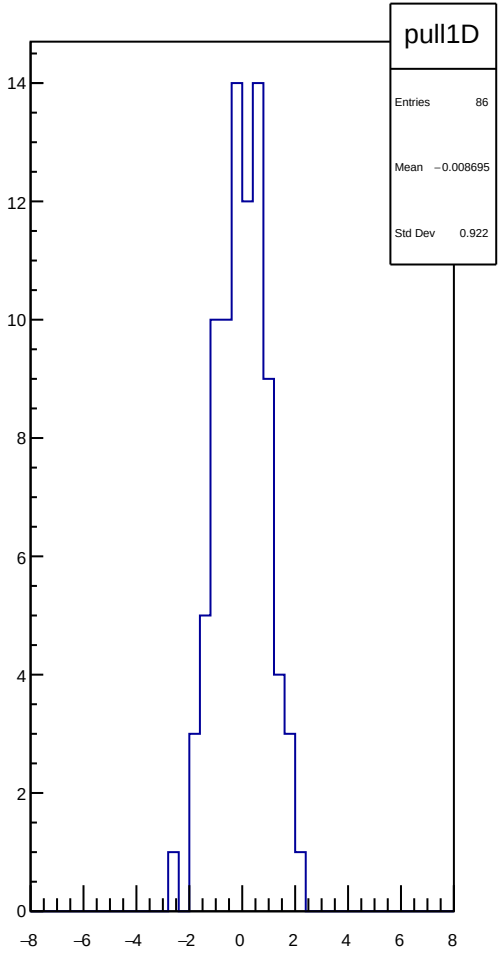

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1543 / 85
p0 76.1 ± 0.05916
88
86
84
82
80
78
76
74
72
70

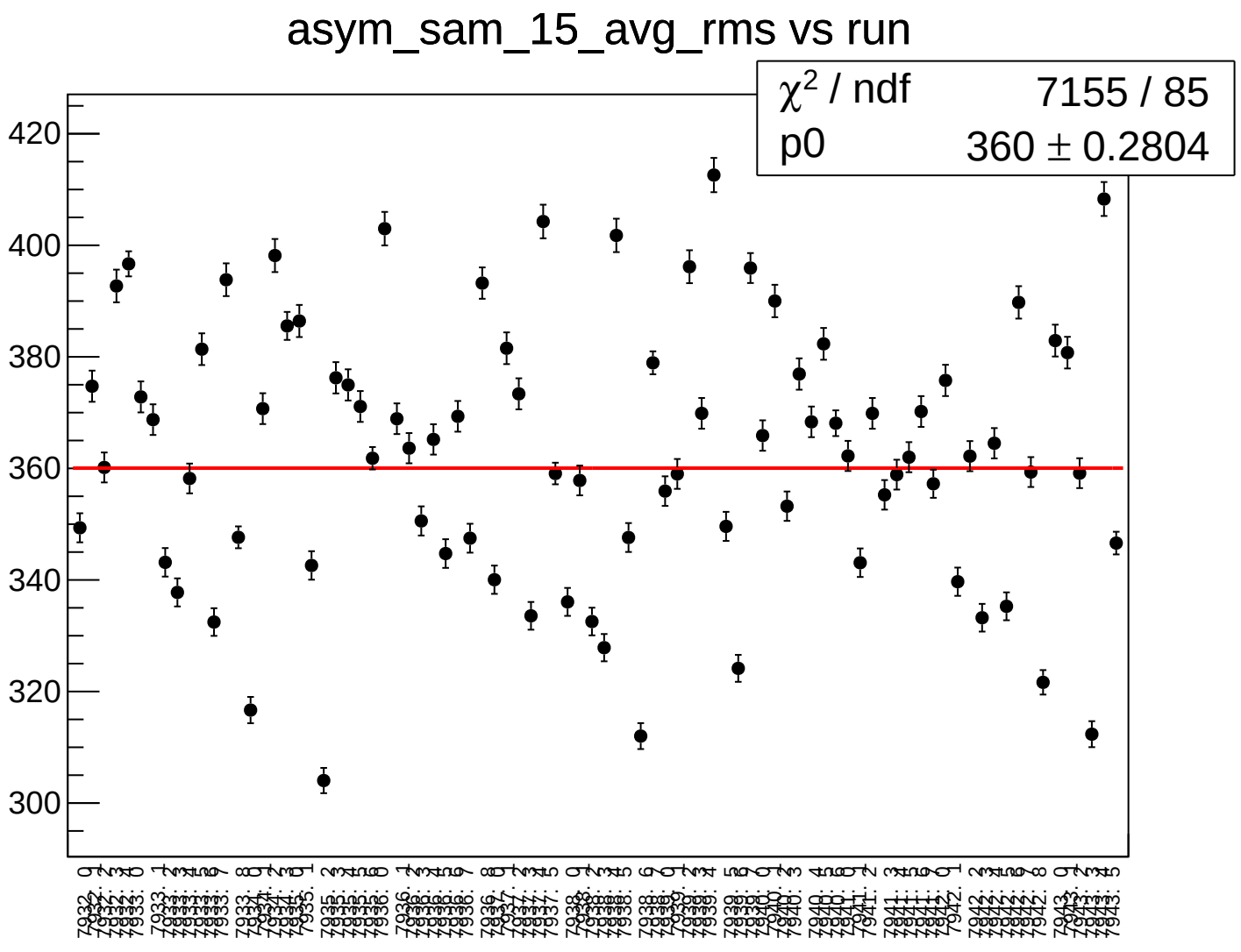

asym_sam_15_avg_correction_mean vs run
χ² / ndf 67.67 / 85
p0 −129.1± 387.8
pull
Entries 86
Mean 189
Std Dev 139.3

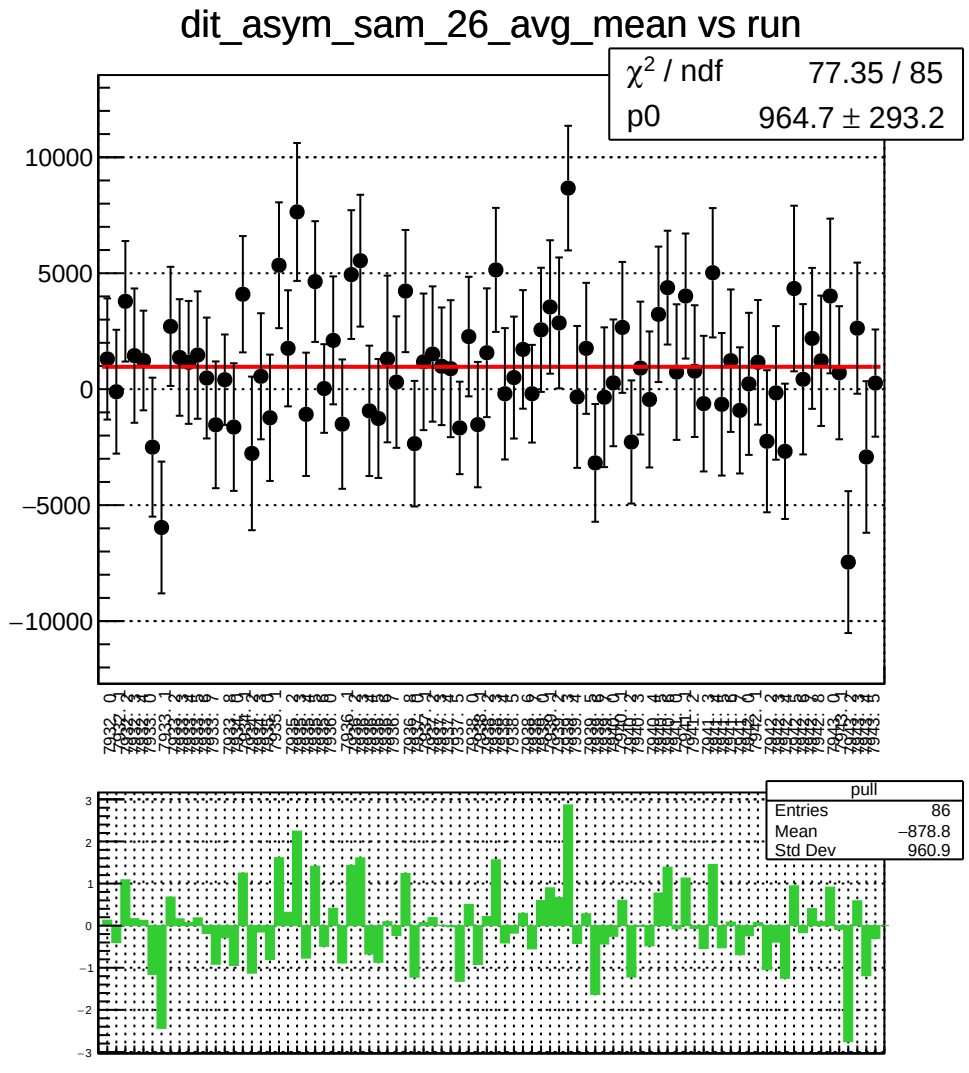

pull1D
Entries 86
Mean 0.01325
Std Dev 0.887

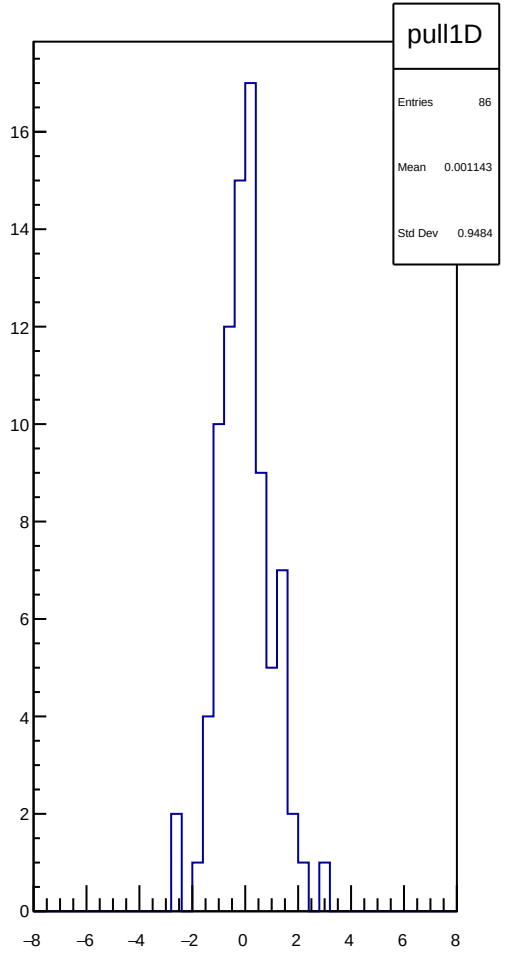

asym_sam_15_avg_correction_rms vs run
χ² / ndf 6336 / 85
p0 352.3 ± 0.2742
400
380
360
340
320
300

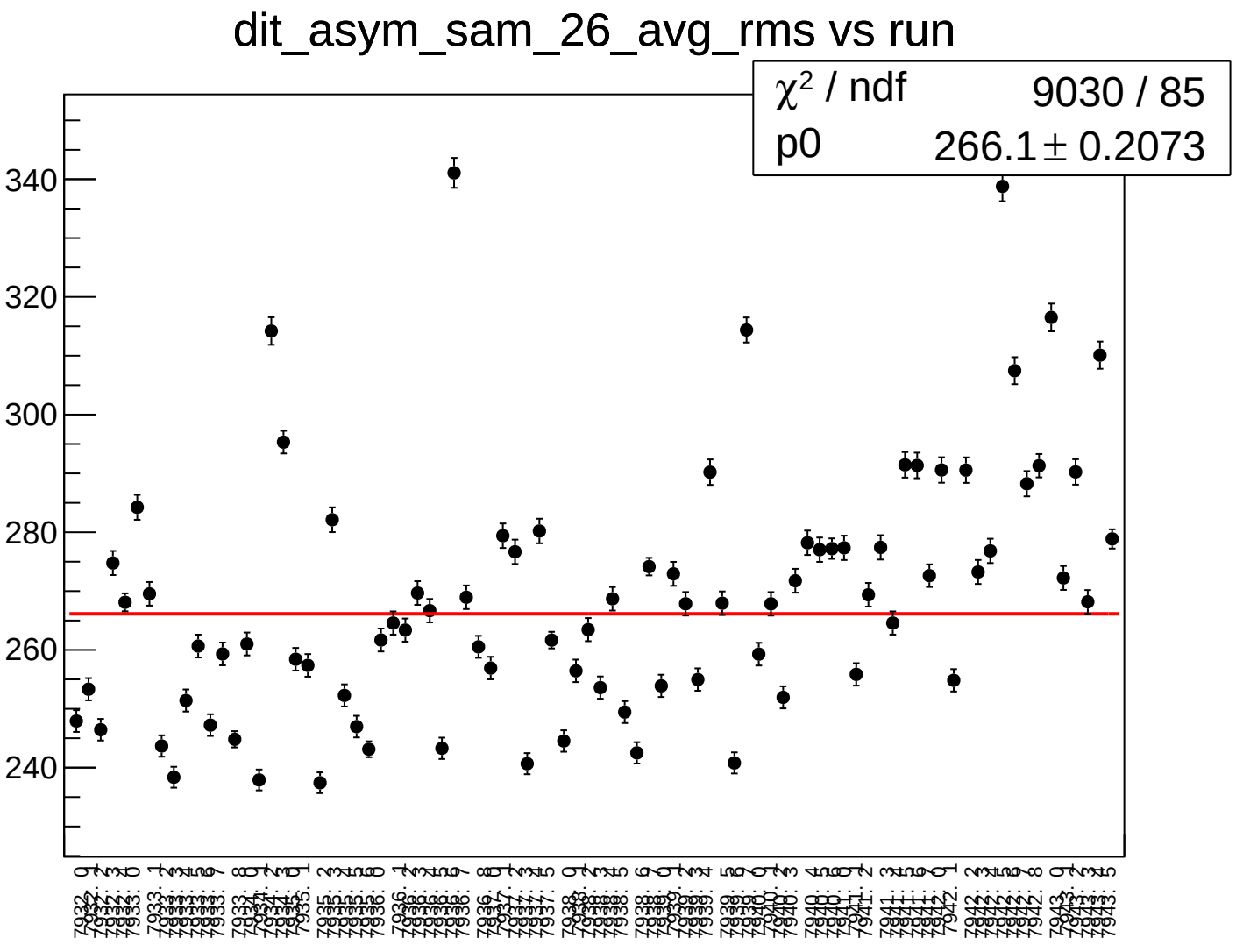

asym_sam_15_avg_mean vs run
χ² / ndf 73.11 / 85
p0 279.1 ± 396.5
pull
Entries 86
Mean 255.5
Std Dev 200.2

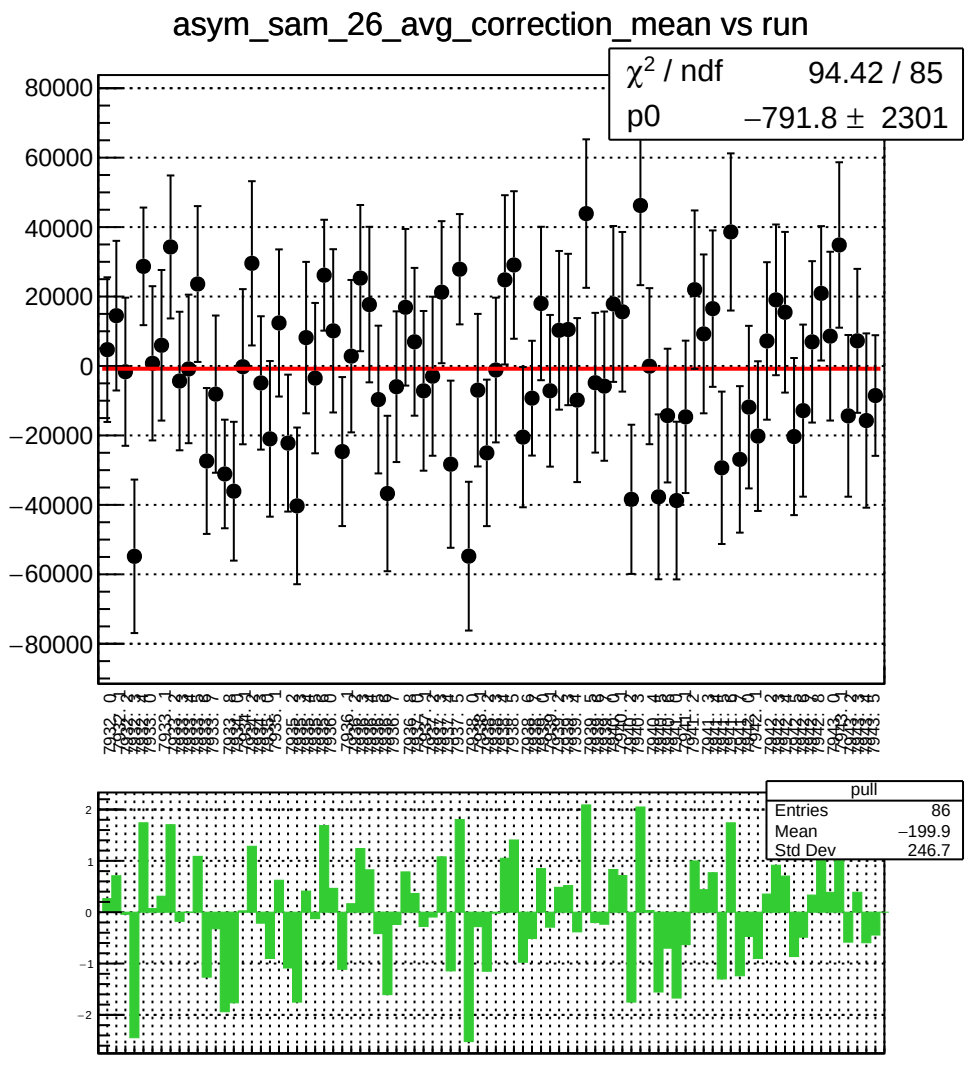

pull1D
Entries 86
Mean −0.008695
Std Dev 0.922

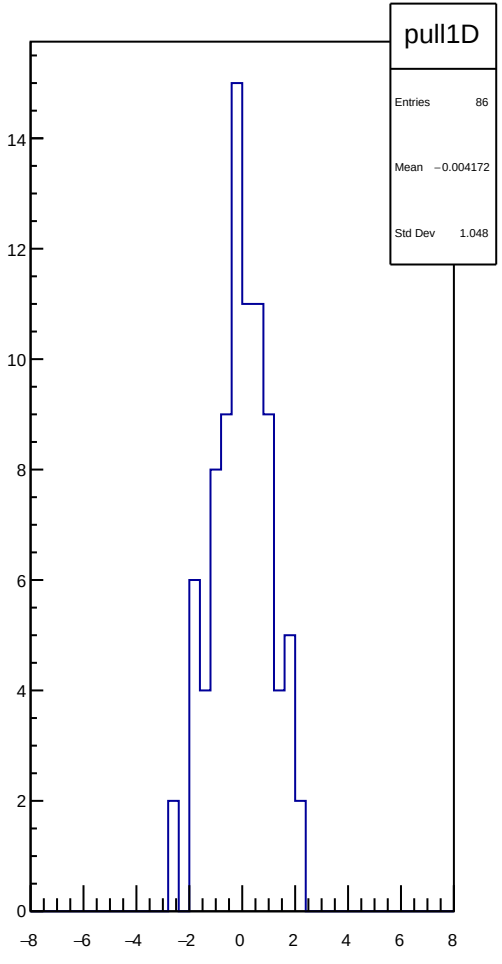

asym_sam_15_avg_rms vs run
χ² / ndf 7155 / 85
p0 360 ± 0.2804
420
400
380
360
340
320
300

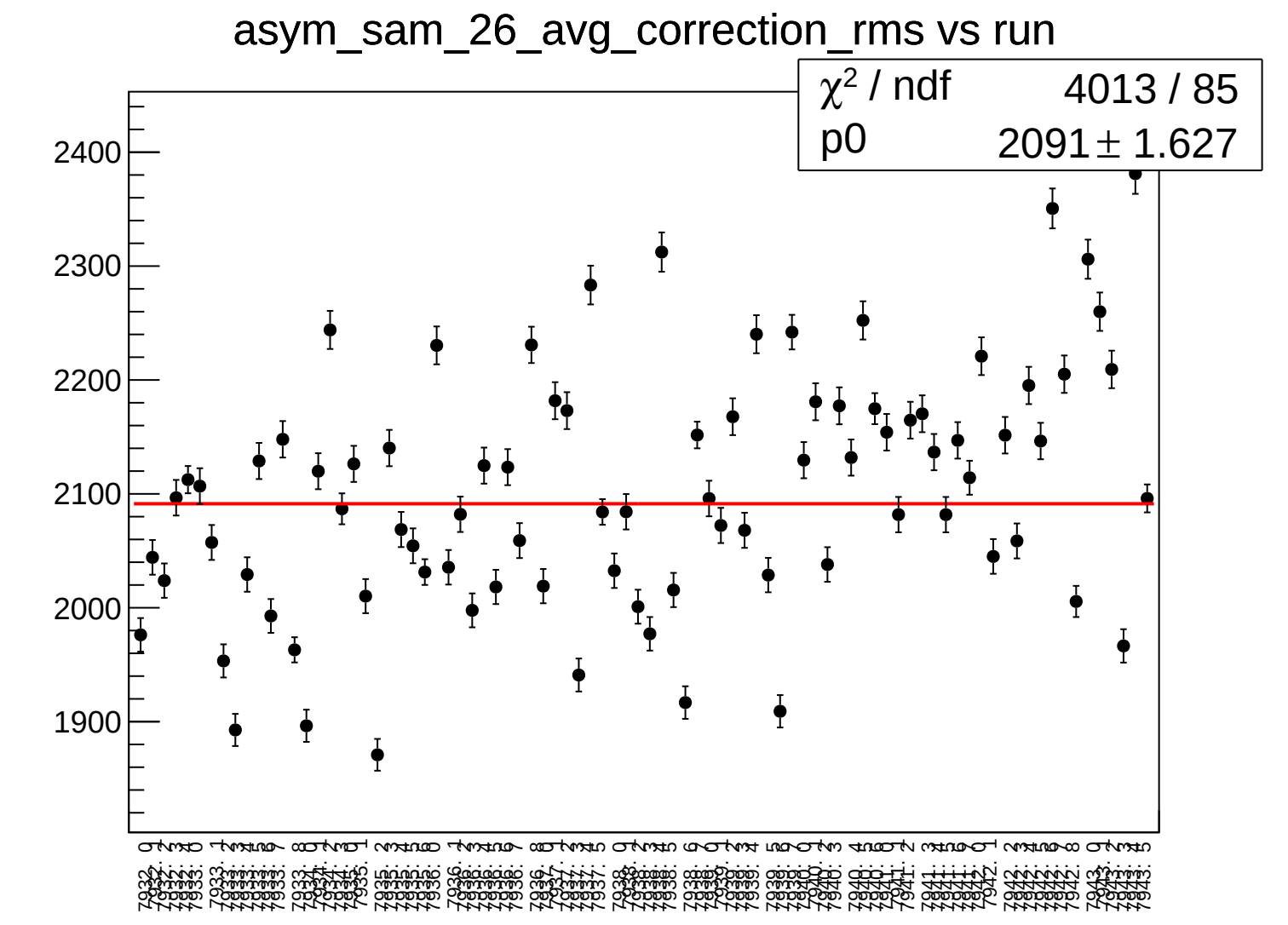

dit_asym_sam_26_avg_mean vs run
χ² / ndf 77.35 / 85
p0 964.7 ± 293.2
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −878.8
Std Dev 960.9
3
2
1
0
−1
−2
−3

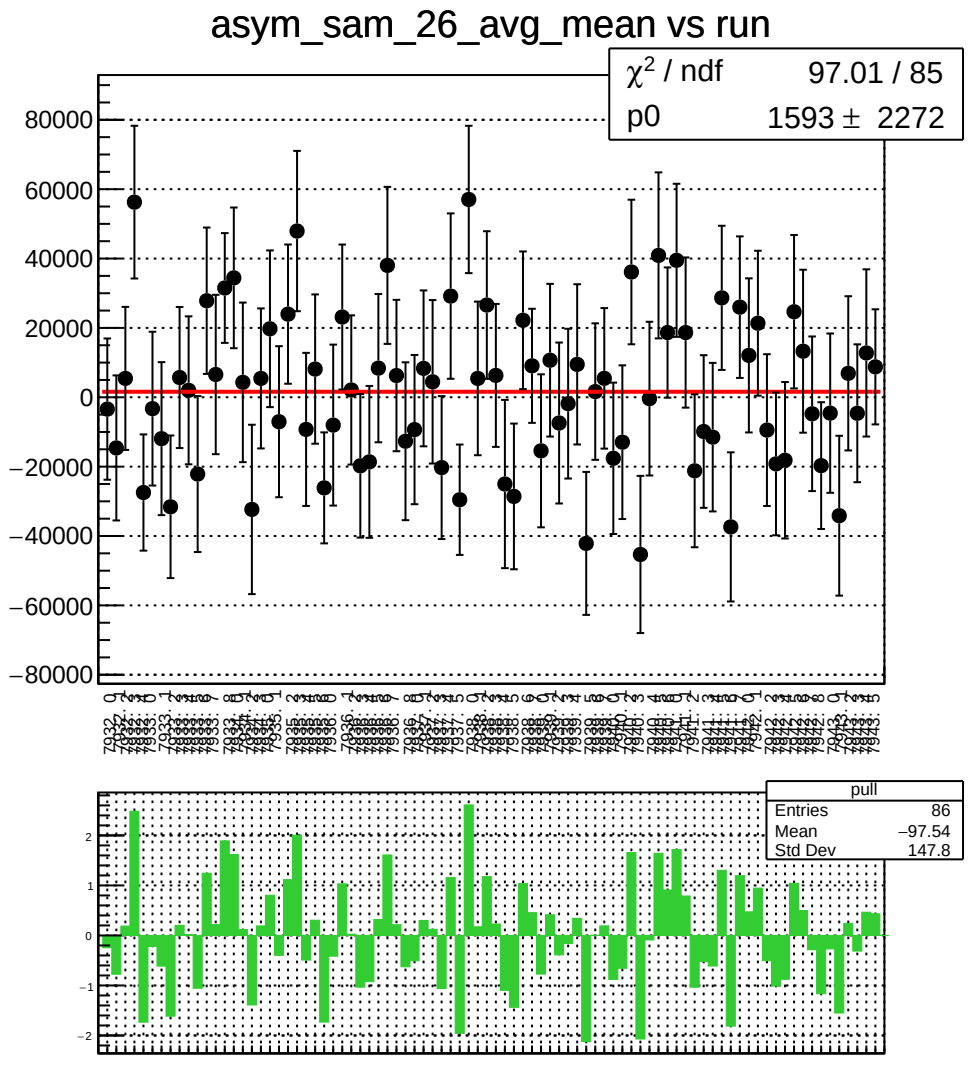

pull1D
Entries 86
Mean 0.001143
Std Dev 0.9484
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

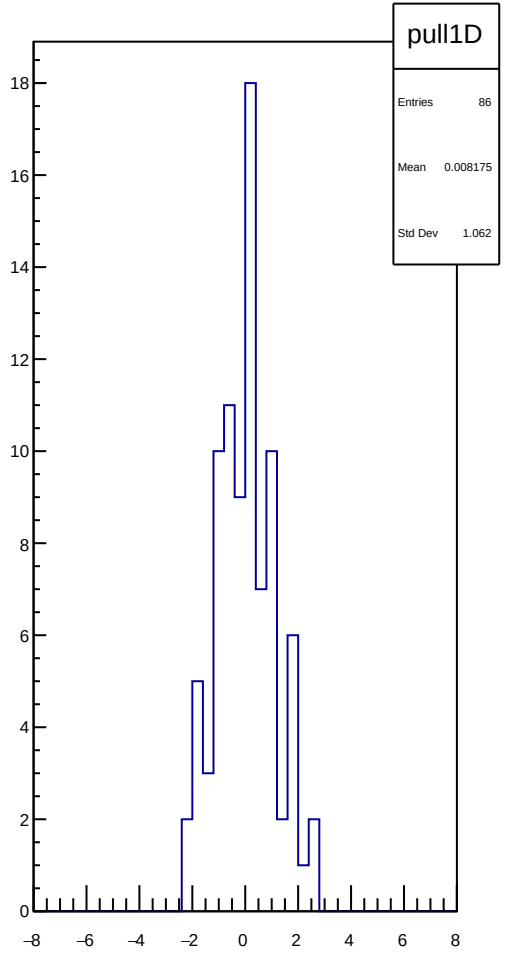

dit_asym_sam_26_avg_rms vs run
χ² / ndf 9030 / 85
p0 266.1 ± 0.2073
340
320
300
280
260
240

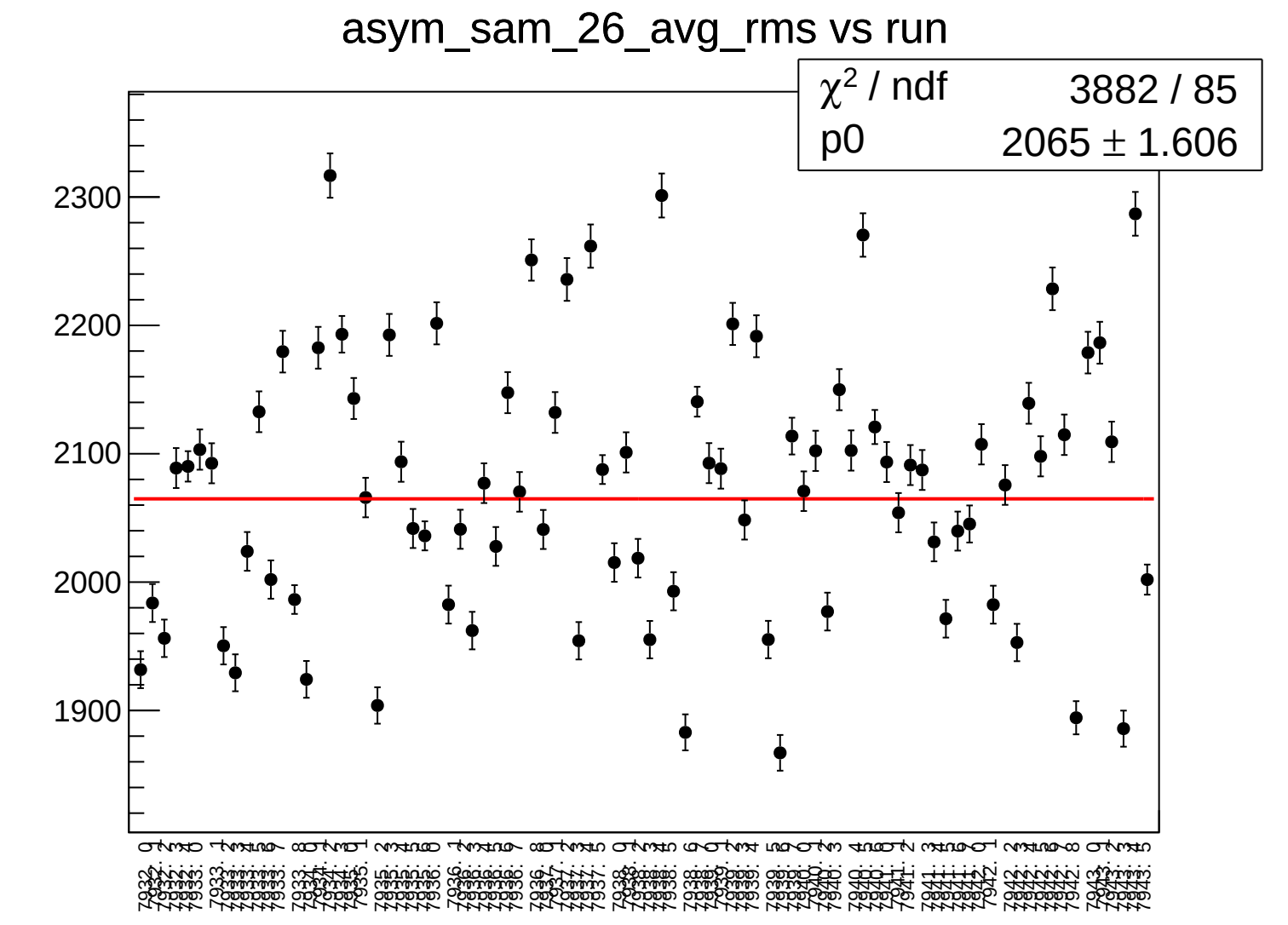

asym_sam_26_avg_correction_mean vs run
χ² / ndf 94.42 / 85
p0 −791.8 ± 2301
pull
Entries 86
Mean −199.9
Std Dev 246.7

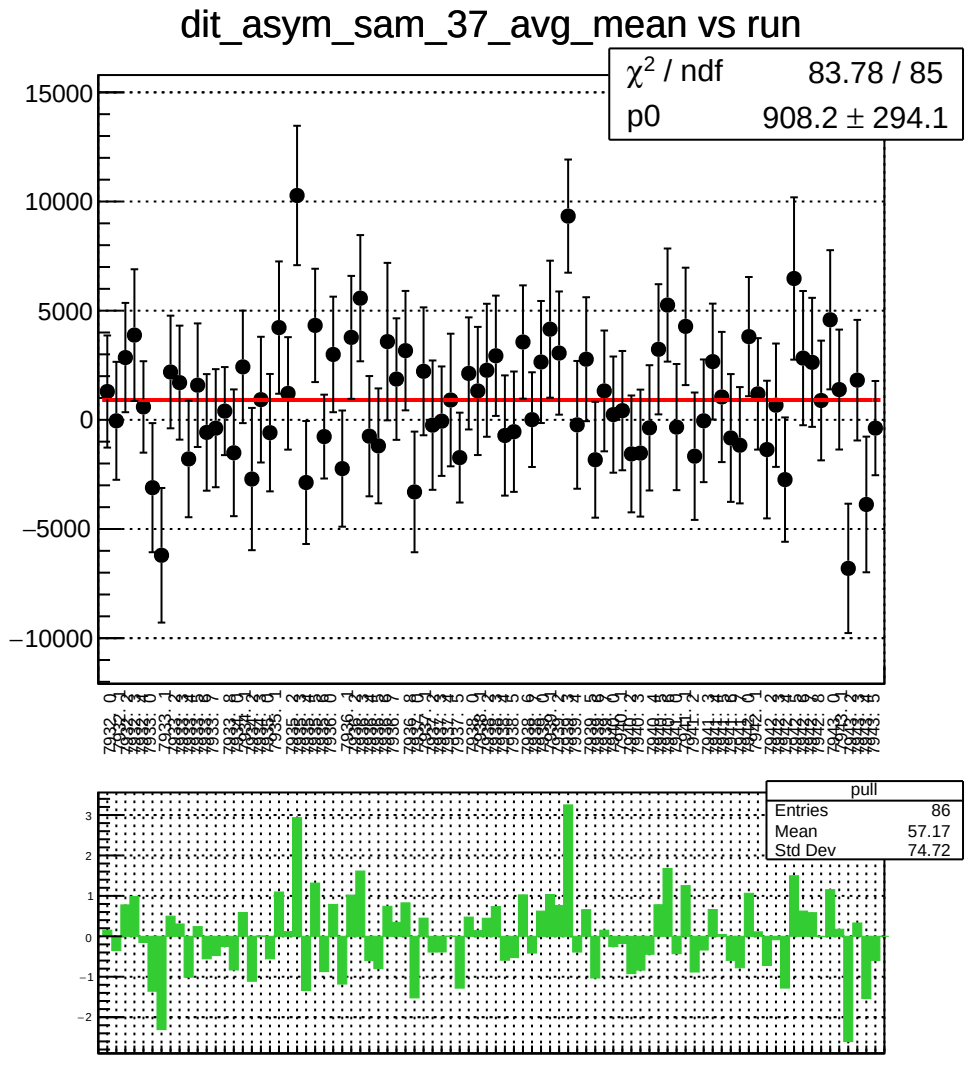

pull1D
Entries 86
Mean −0.004172
Std Dev 1.048

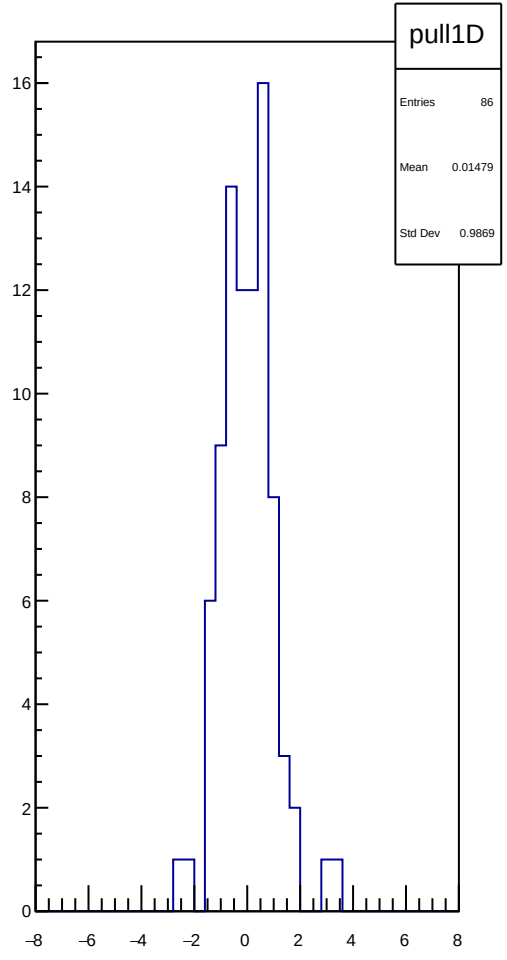

asym_sam_26_avg_correction_rms vs run
χ² / ndf 4013 / 85
p0 2091 ± 1.627
2400
2300
2200
2100
2000
1900

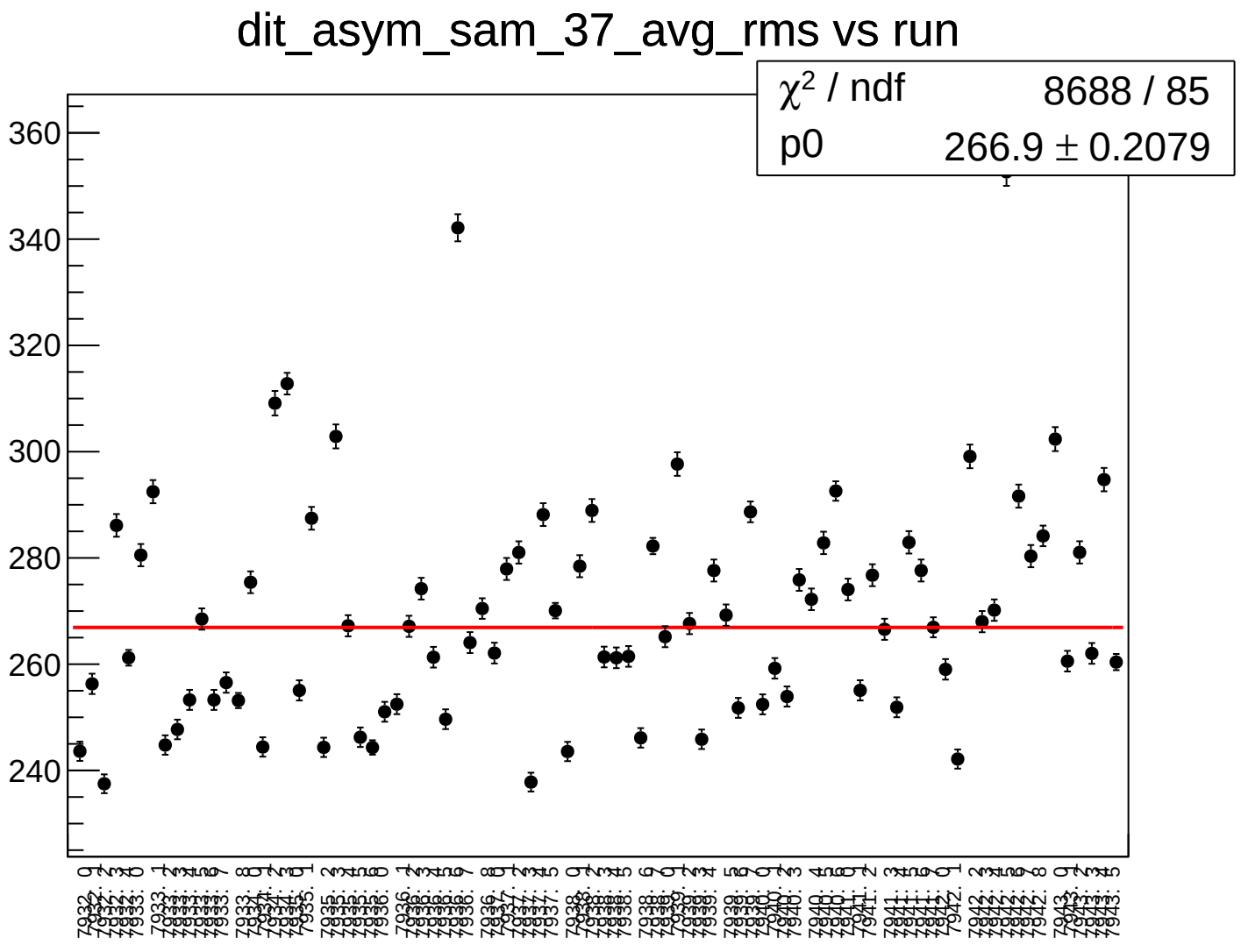

asym_sam_26_avg_mean vs run
χ² / ndf 97.01 / 85
p0 1593 ± 2272
pull
Entries 86
Mean −97.54
Std Dev 147.8

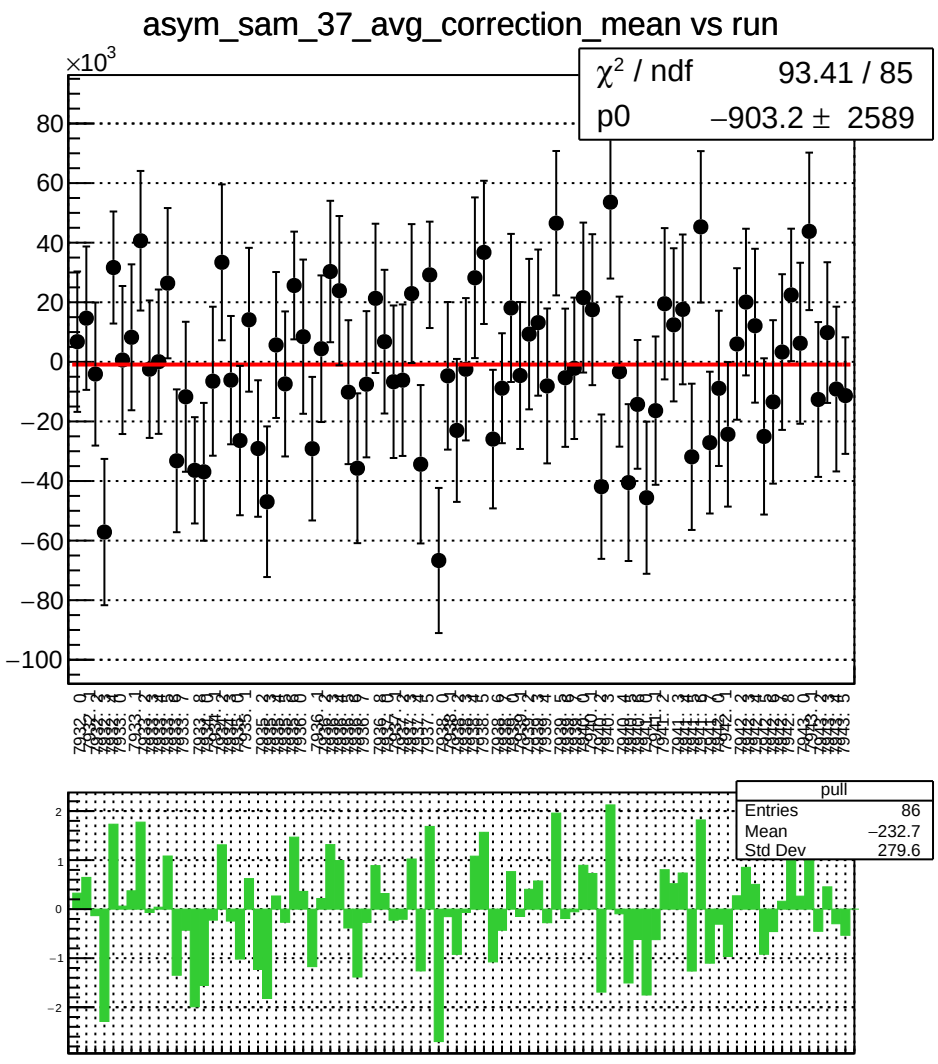

pull1D
Entries 86
Mean 0.008175
Std Dev 1.062

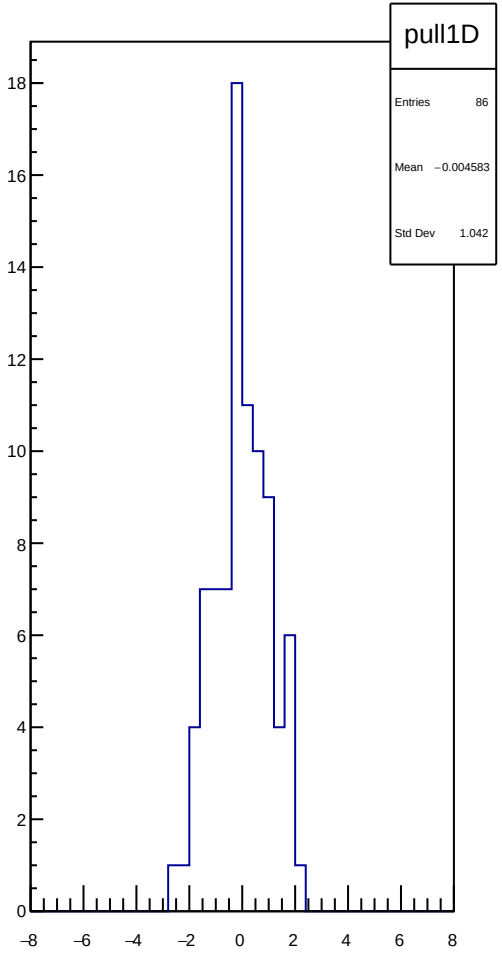

asym_sam_26_avg_rms vs run
χ² / ndf 3882 / 85
p0 2065 ± 1.606
2300
2200
2100
2000
1900

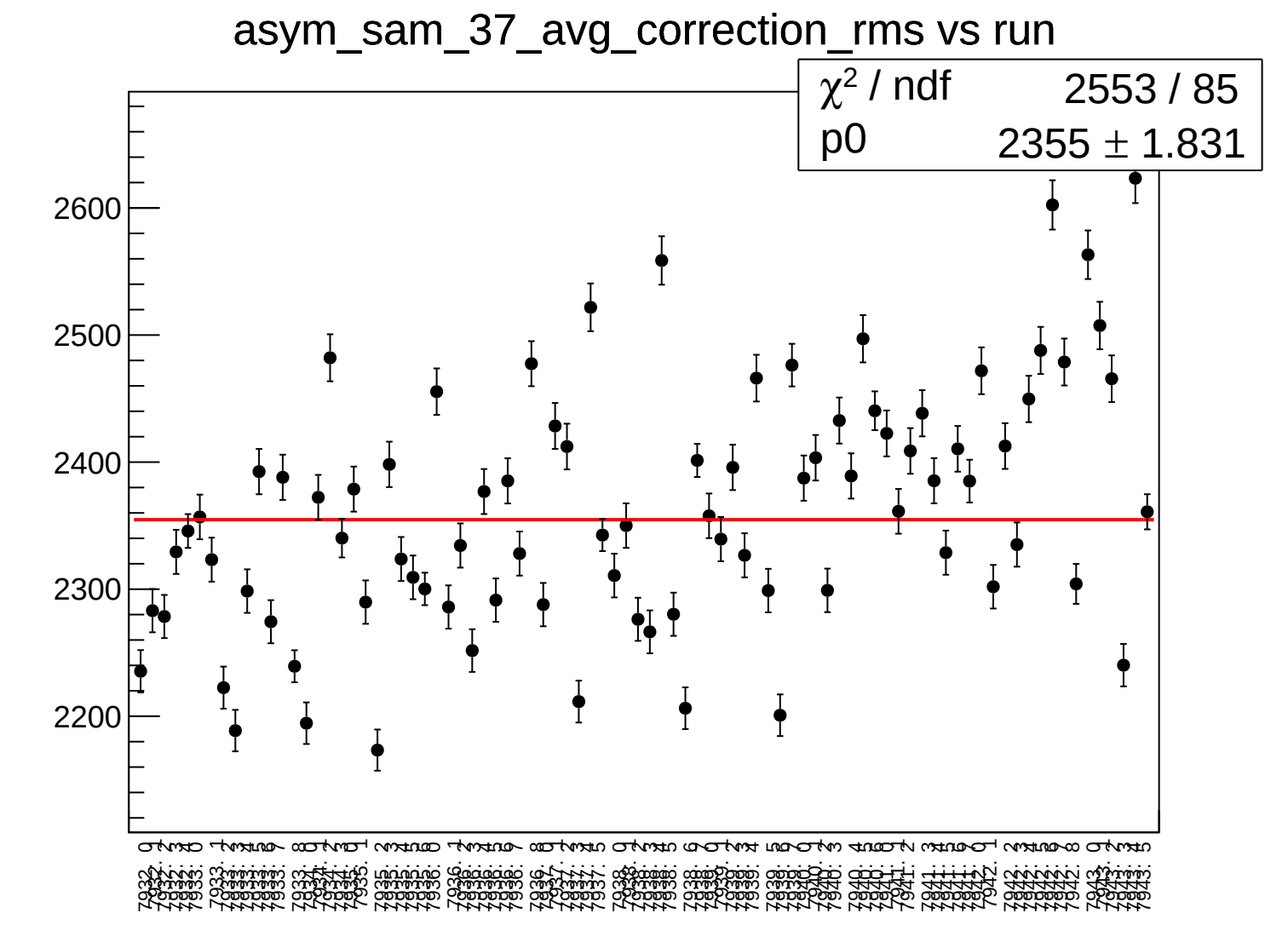

dit_asym_sam_37_avg_mean vs run
χ² / ndf 83.78 / 85
p0 908.2 ± 294.1
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 57.17
Std Dev 74.72
3
2
1
0
−1
−2

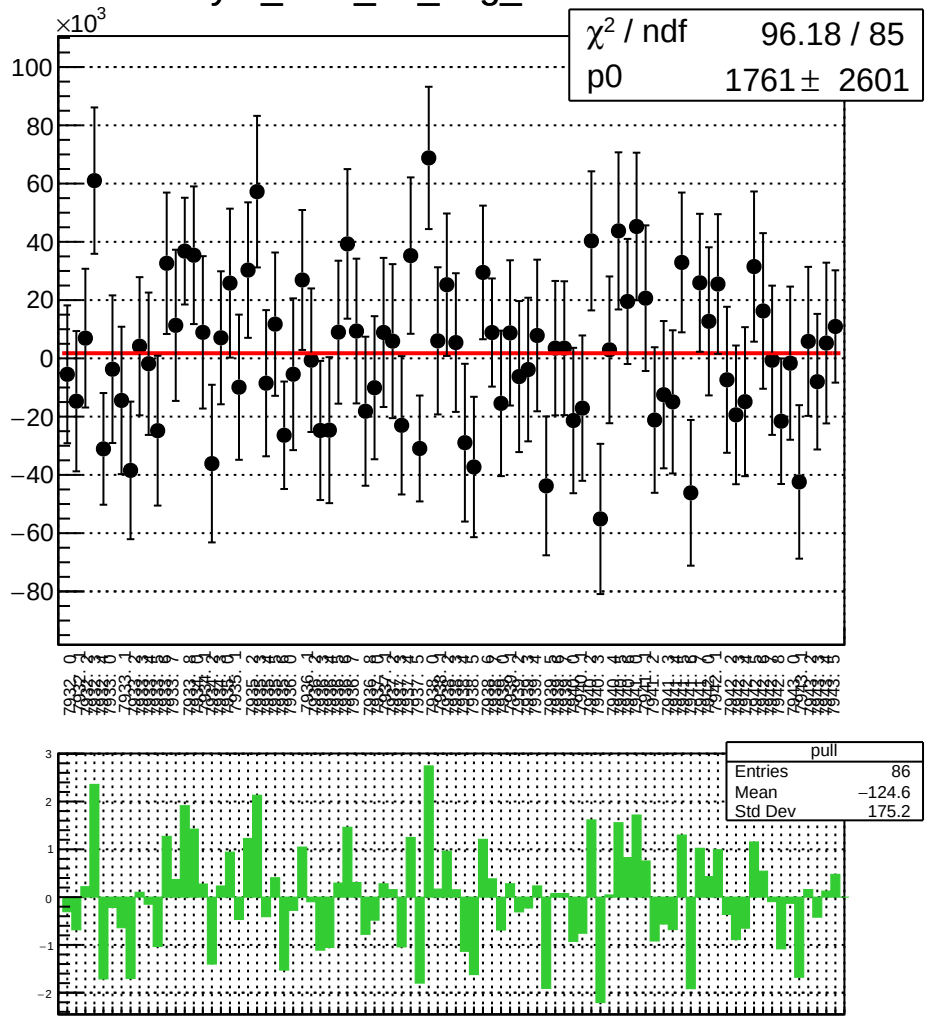

pull1D
Entries 86
Mean 0.01479
Std Dev 0.9869
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

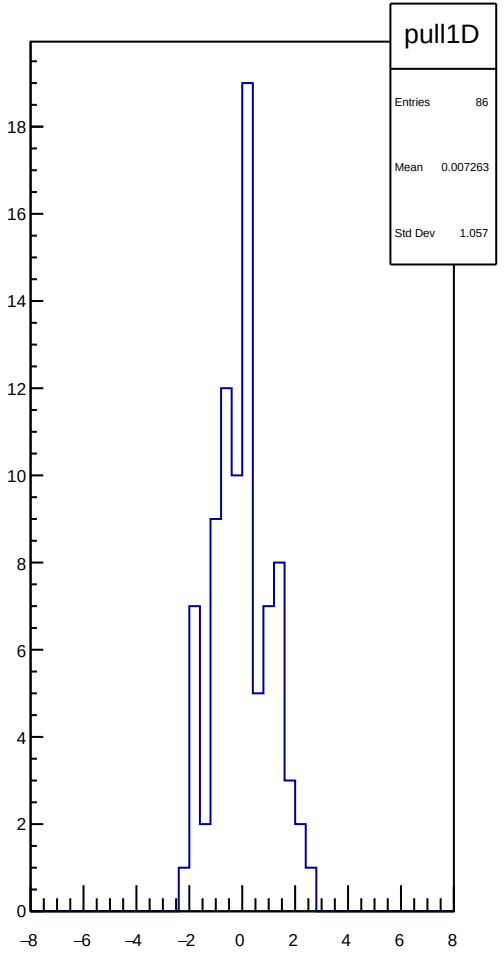

dit_asym_sam_37_avg_rms vs run
χ² / ndf 8688 / 85
p0 266.9 ± 0.2079
360
340
320
300
280
260
240

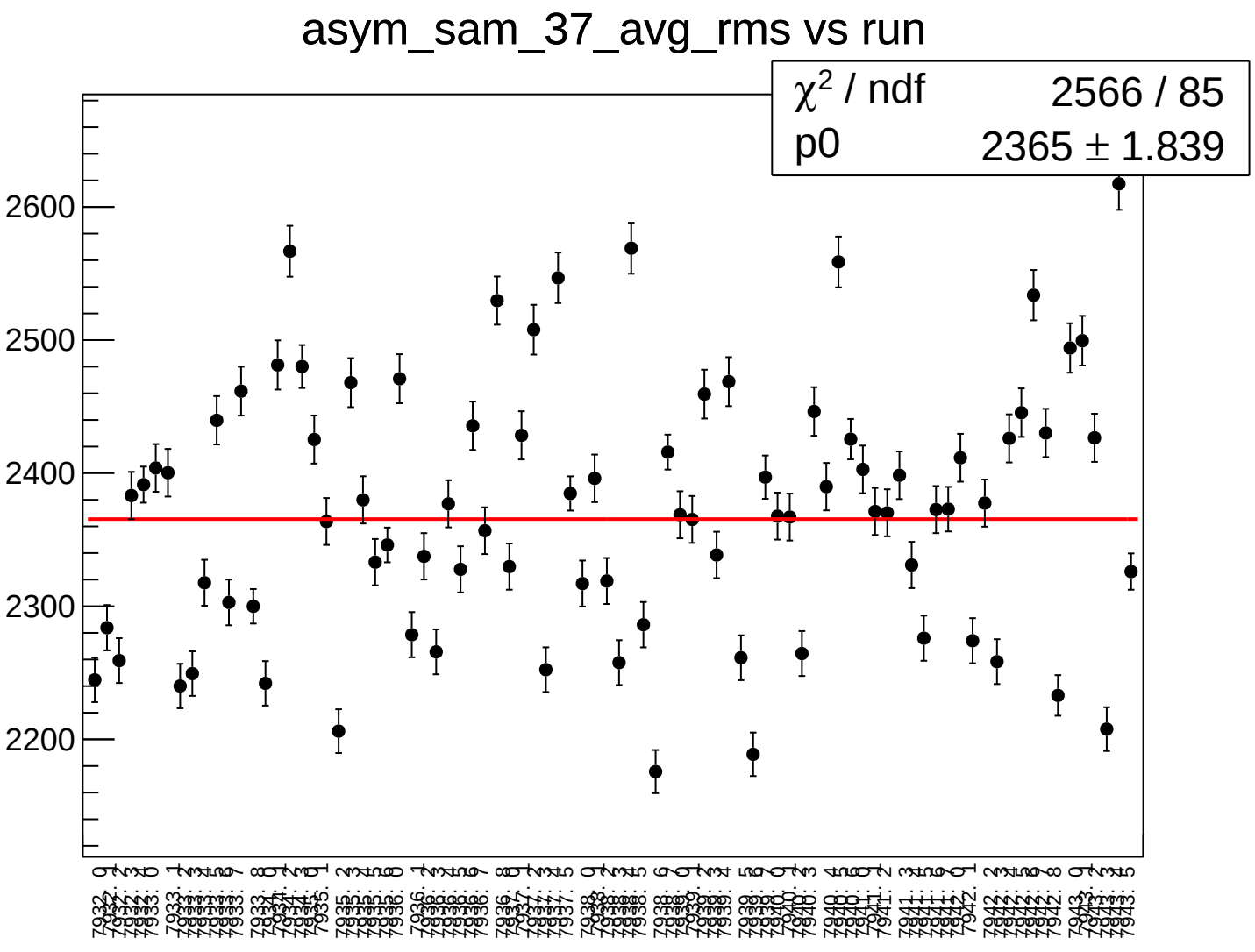

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 93.41 / 85
p0 −903.2 ± 2589
pull
Entries 86
Mean −232.7
Std Dev 279.6

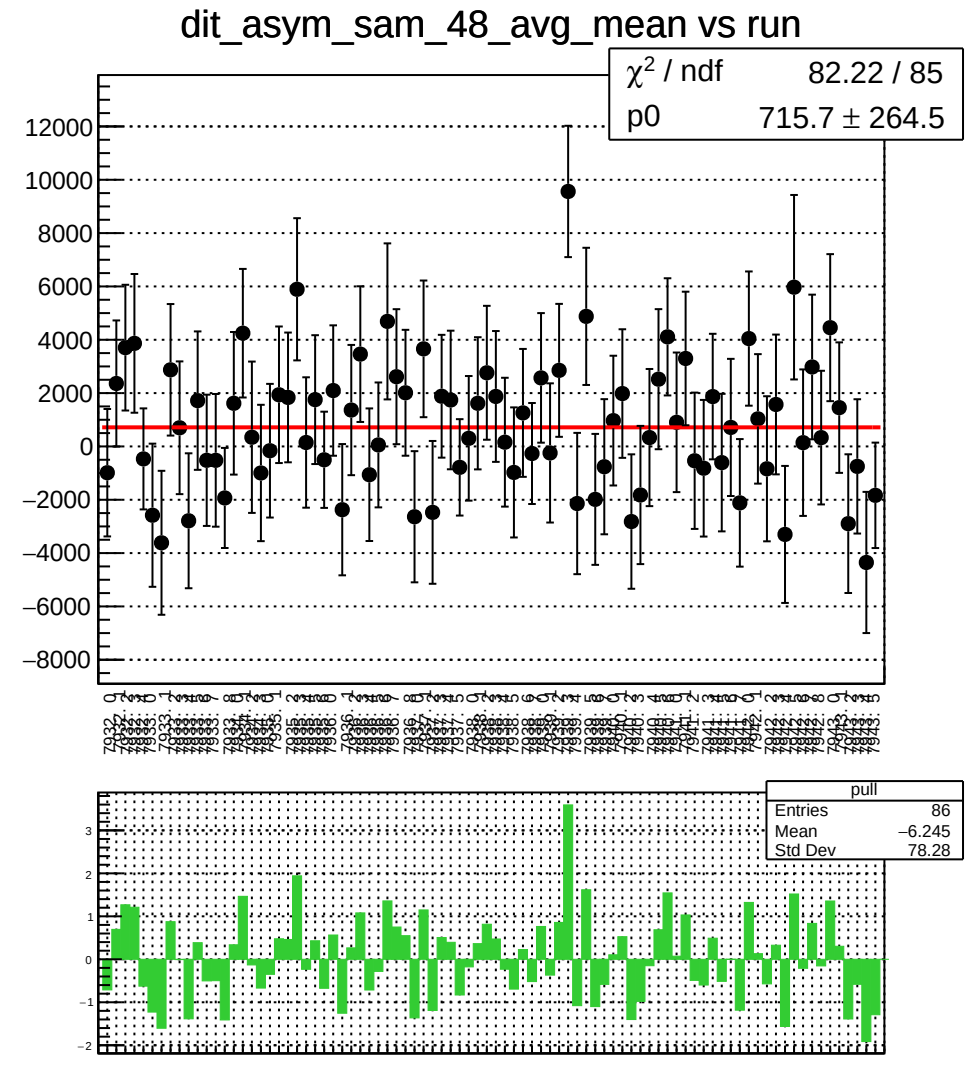

pull1D
Entries 86
Mean −0.004583
Std Dev 1.042

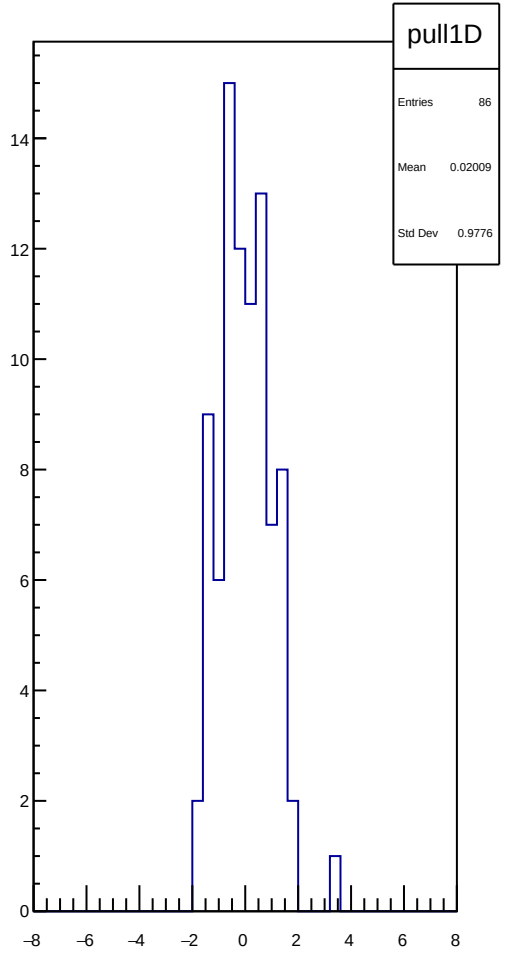

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2553 / 85
p0 2355 ± 1.831
2600
2500
2400
2300
2200

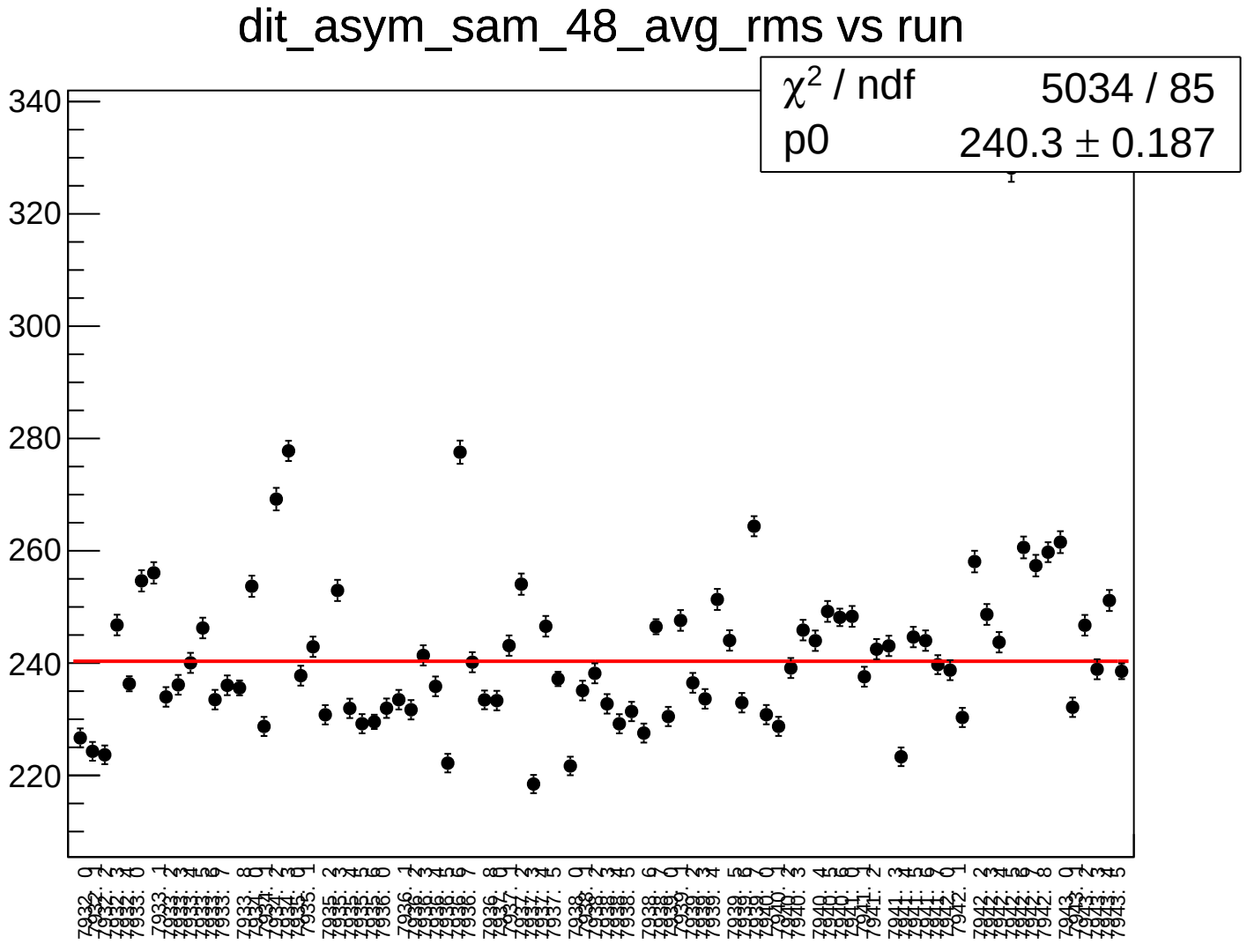

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 96.18 / 85
p0 1761 ± 2601
pull
Entries 86
Mean −124.6
Std Dev 175.2

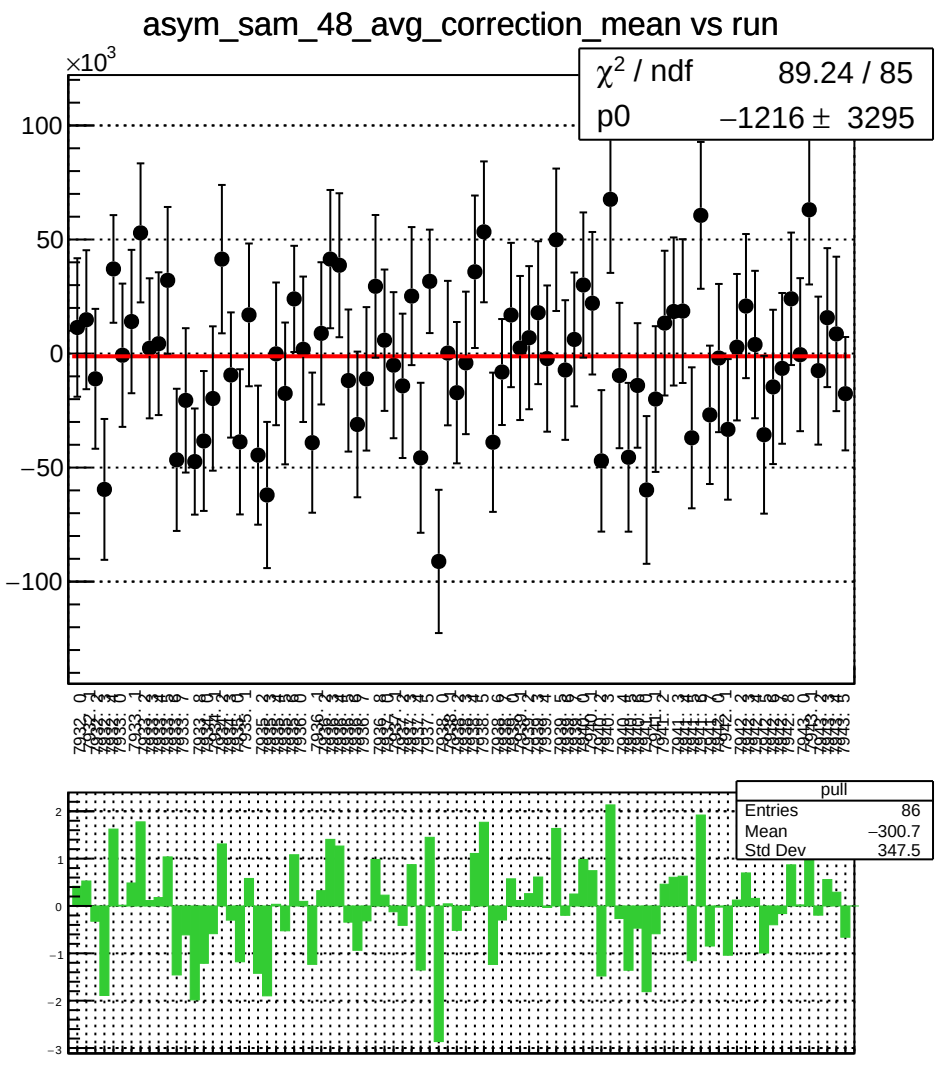

pull1D
Entries 86
Mean 0.007263
Std Dev 1.057

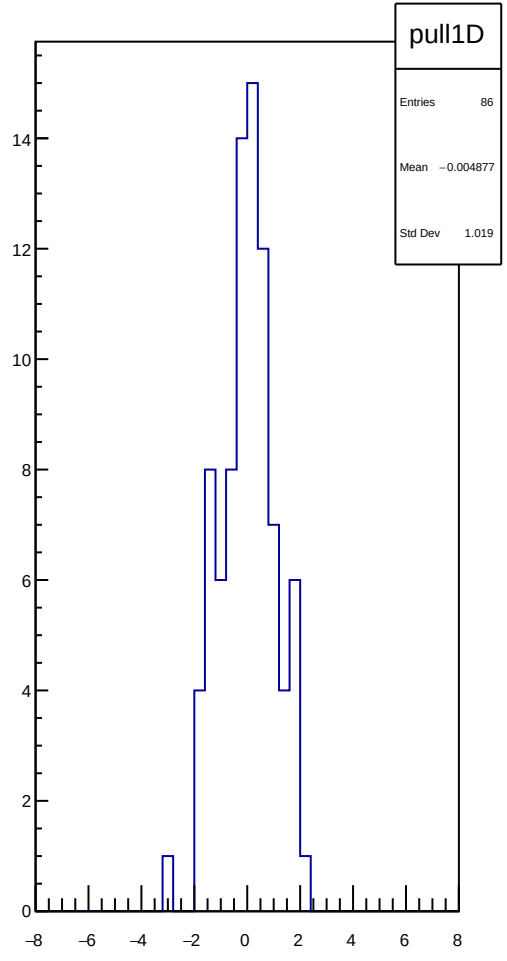

asym_sam_37_avg_rms vs run
χ² / ndf 2566 / 85
p0 2365 ± 1.839
2600
2500
2400
2300
2200

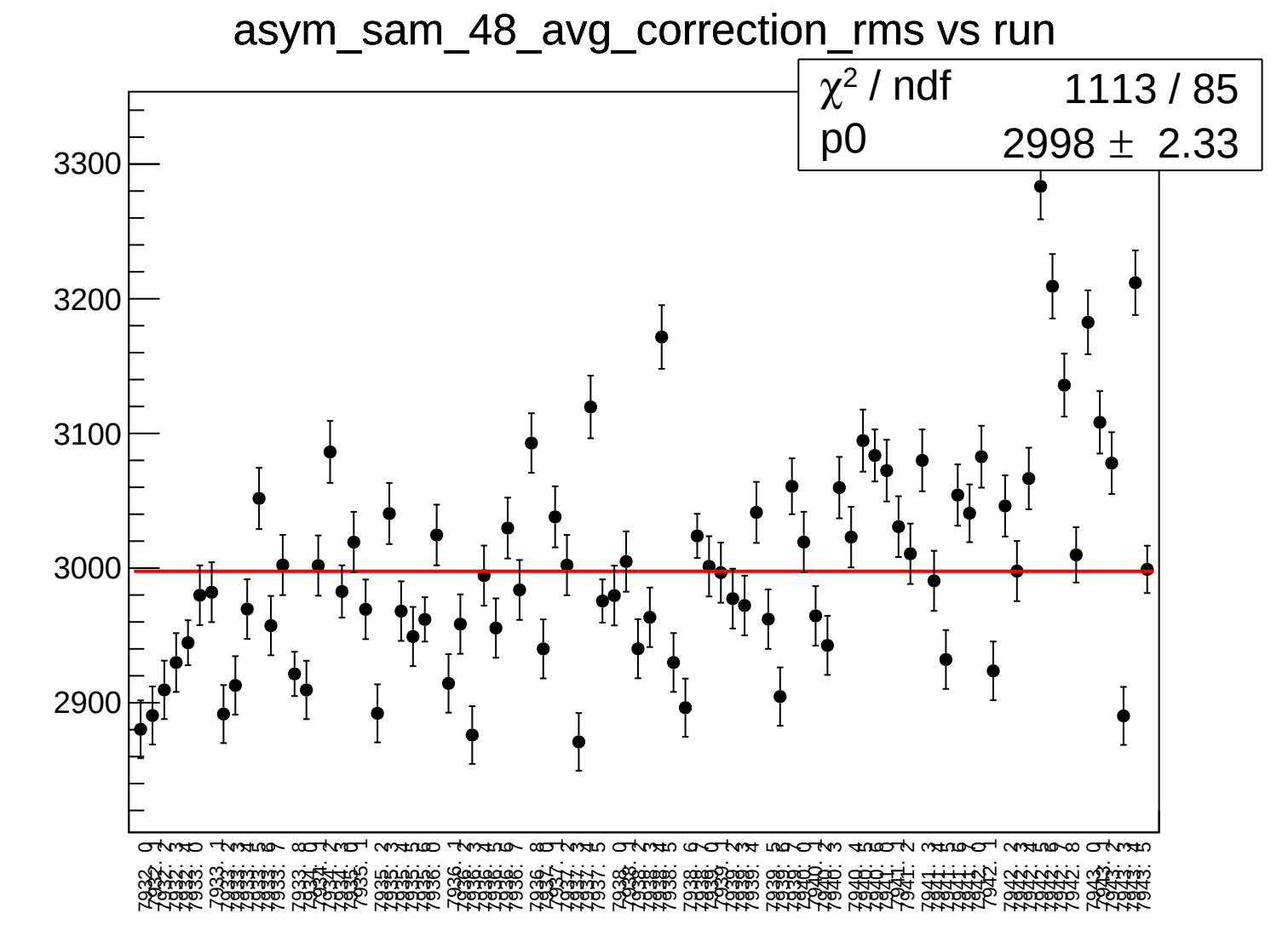

dit_asym_sam_48_avg_mean vs run
χ² / ndf 82.22 / 85
p0 715.7 ± 264.5
pull
Entries 86
Mean −6.245
Std Dev 78.28

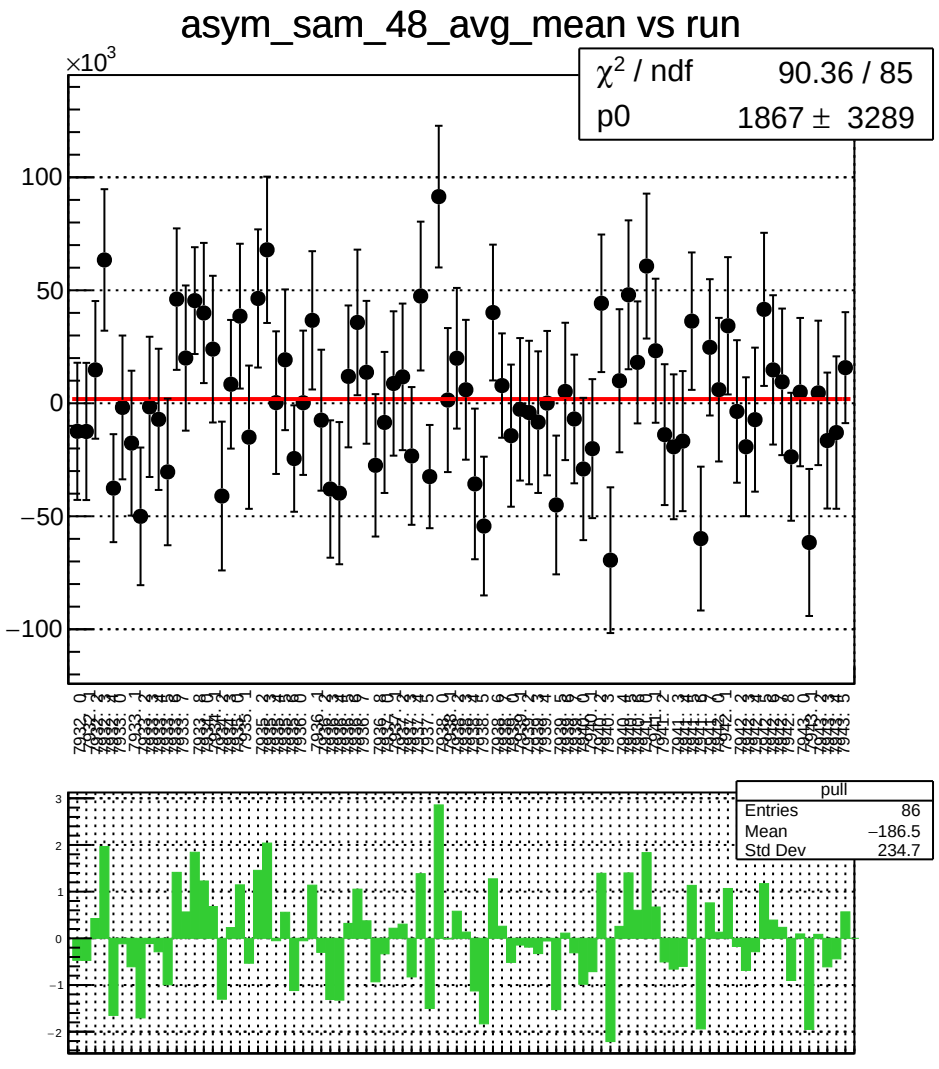

pull1D
Entries 86
Mean 0.02009
Std Dev 0.9776

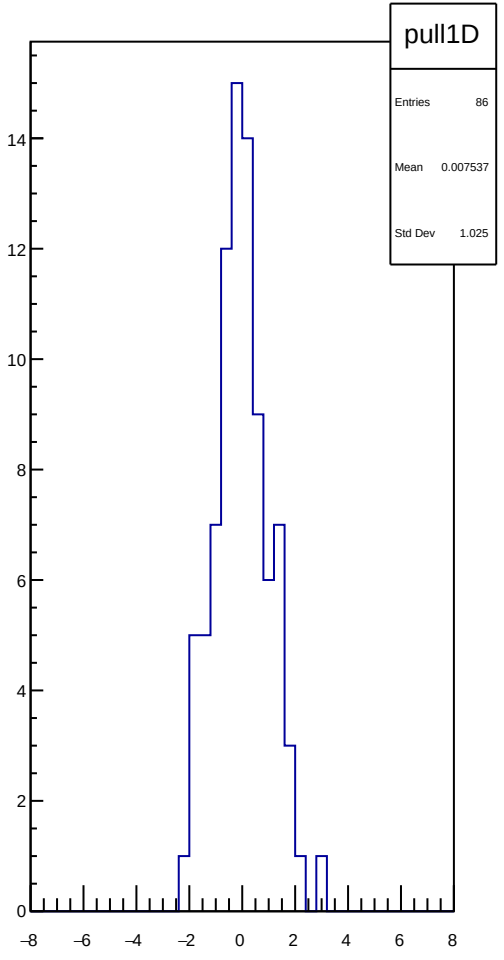

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 5034 / 85
p0 240.3 ± 0.187
340
320
300
280
260
240
220

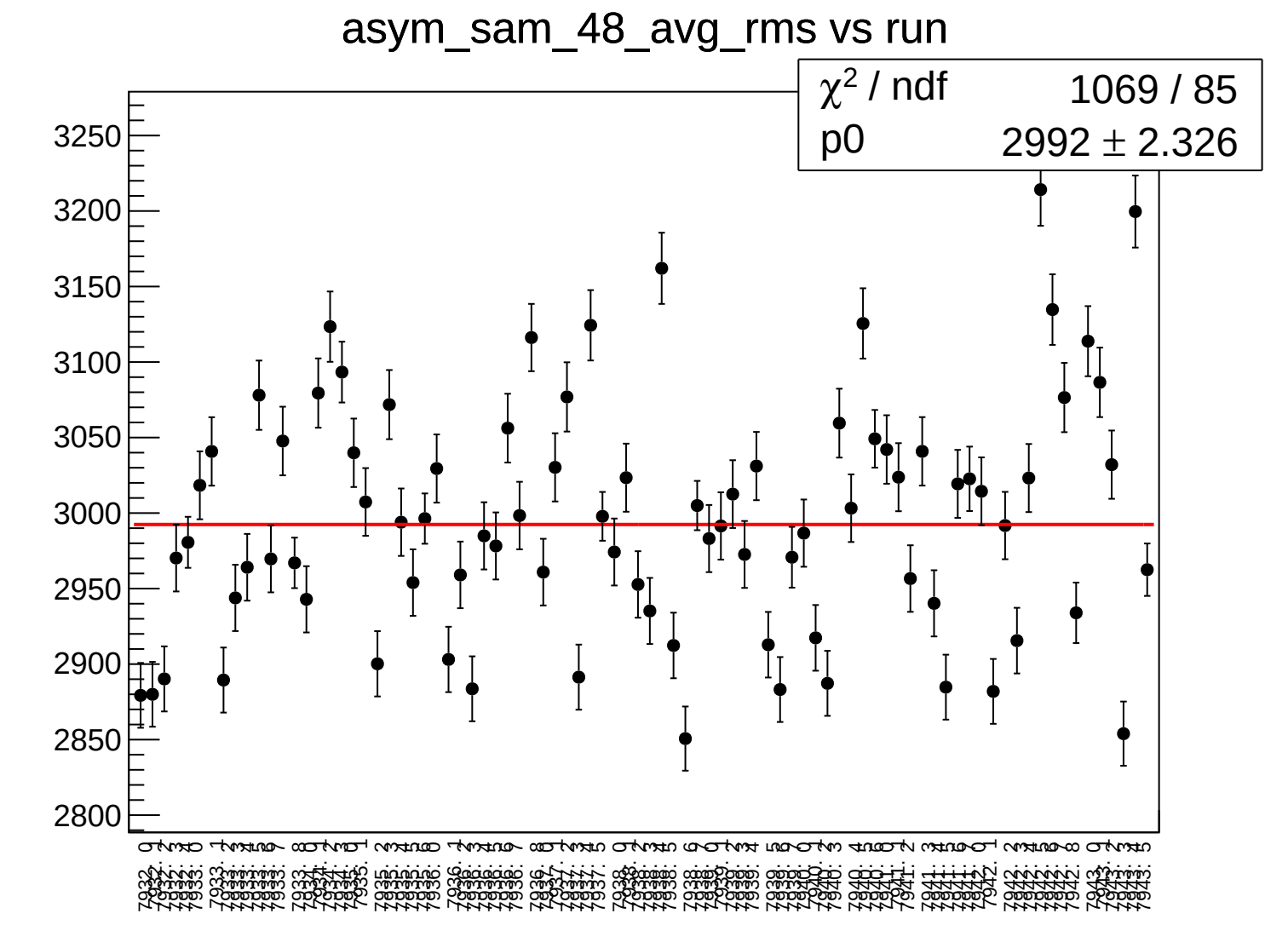

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 89.24 / 85
p0 −1216 ± 3295
100
50
0
−50
−100
pull
Entries 86
Mean −300.7
Std Dev 347.5
2
1
0
−1
−2
−3

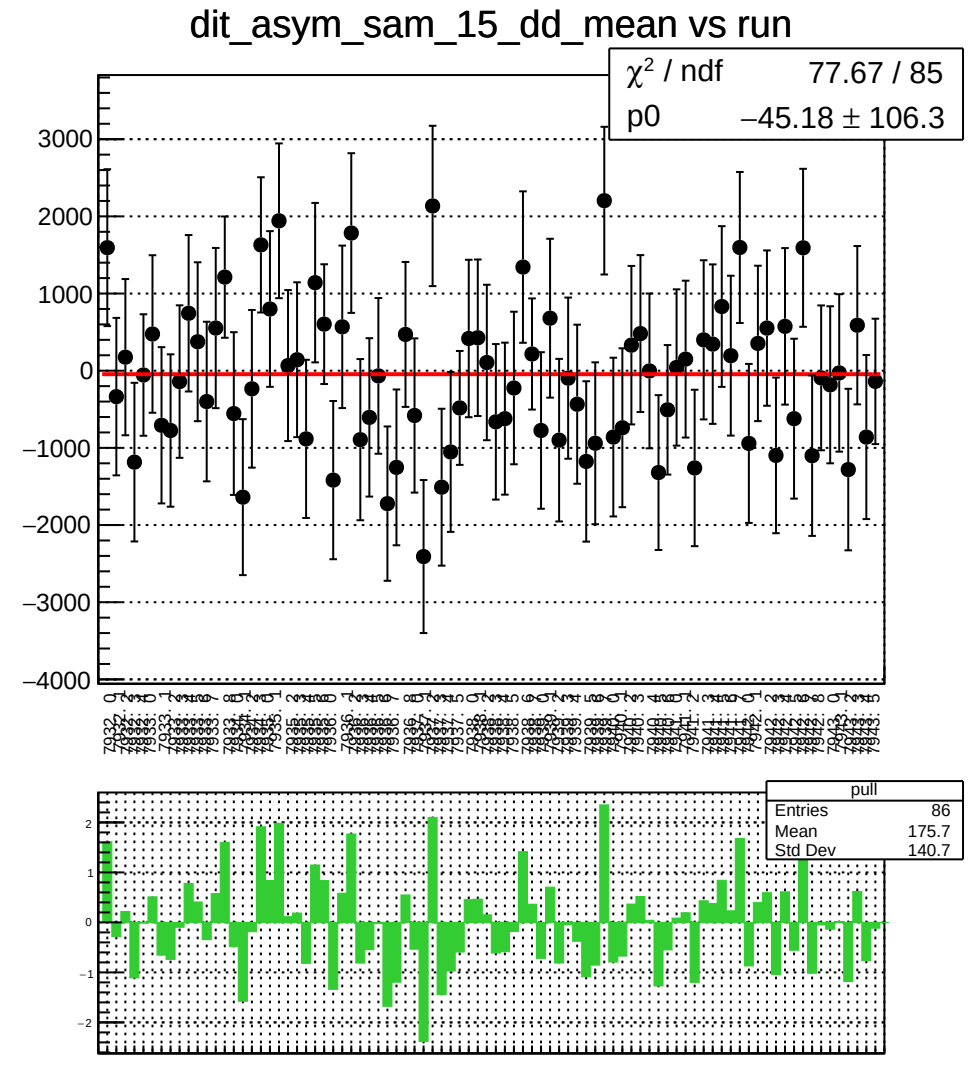

pull1D
Entries 86
Mean −0.004877
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

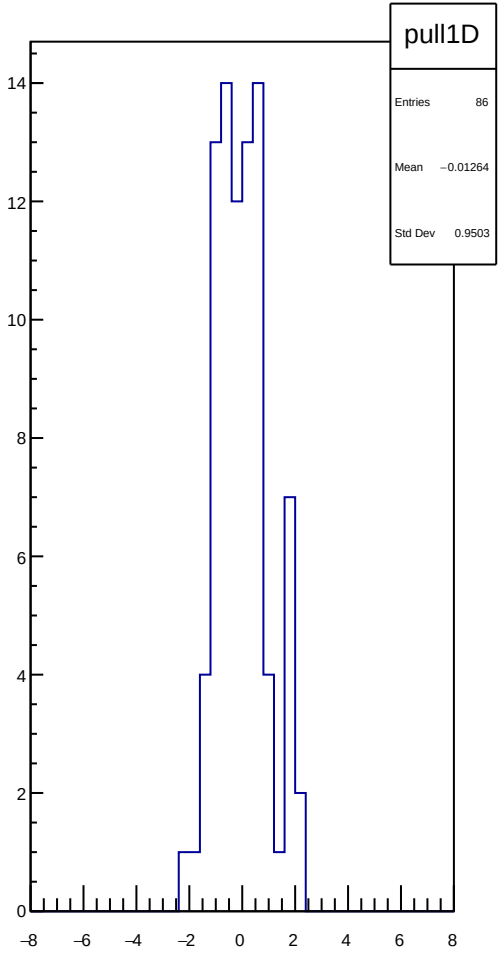

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1113 / 85
p0 2998 ± 2.33
3300
3200
3100
3000
2900

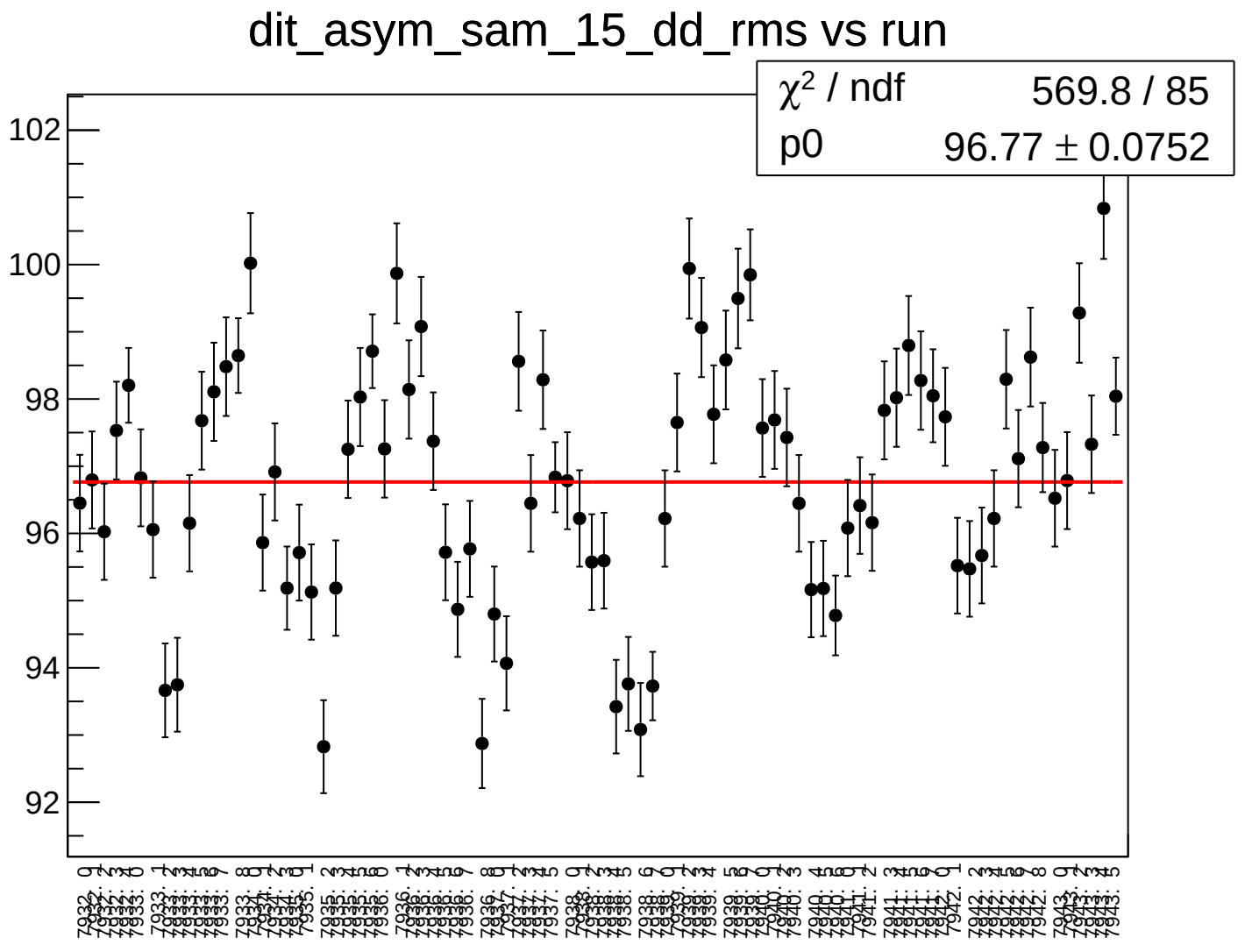

asym_sam_48_avg_mean vs run
×10^3
χ^2 / ndf 90.36 / 85
p0 1867 ± 3289
100
50
0
−50
−100
pull
Entries 86
Mean −186.5
Std Dev 234.7
3
2
1
0
−1
−2

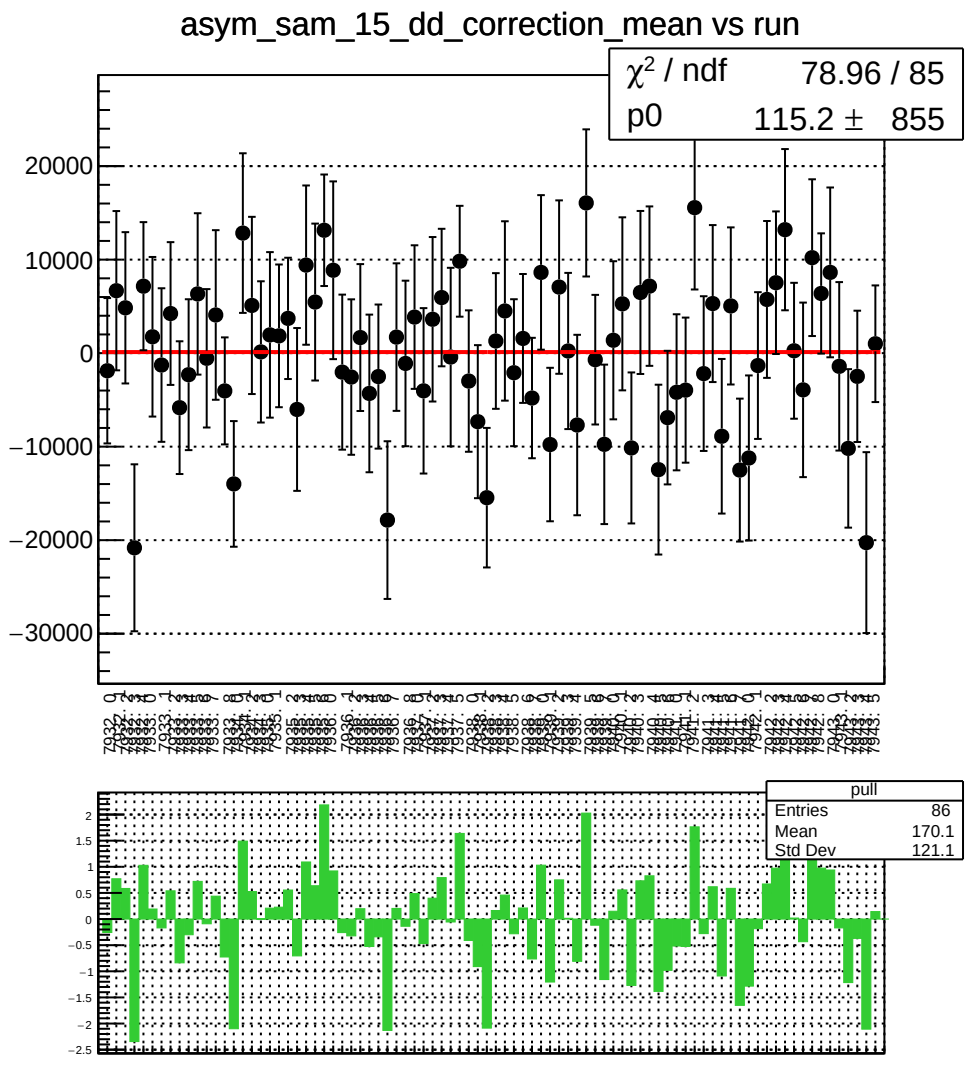

pull1D
Entries 86
Mean 0.007537
Std Dev 1.025
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

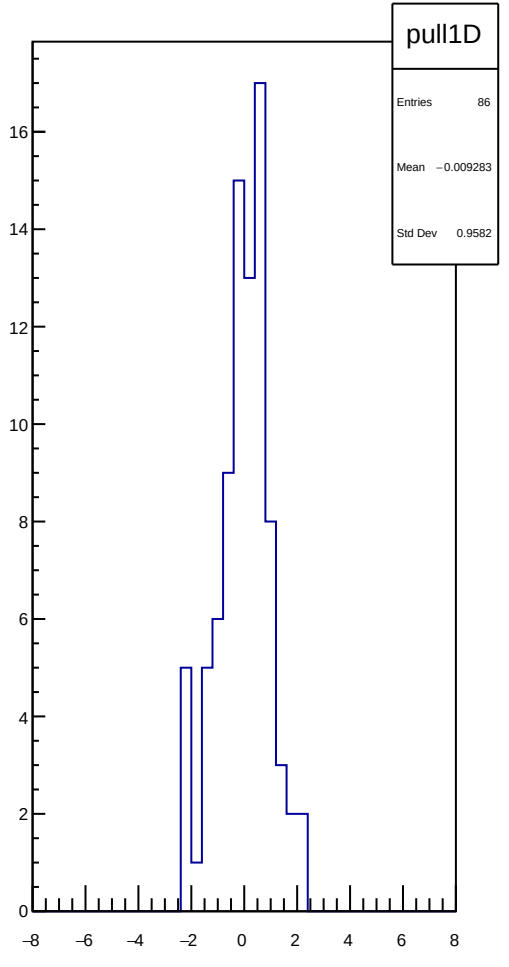

asym_sam_48_avg_rms vs run
χ^2 / ndf 1069 / 85
p0 2992 ± 2.326
3250
3200
3150
3100
3050
3000
2950
2900
2850
2800

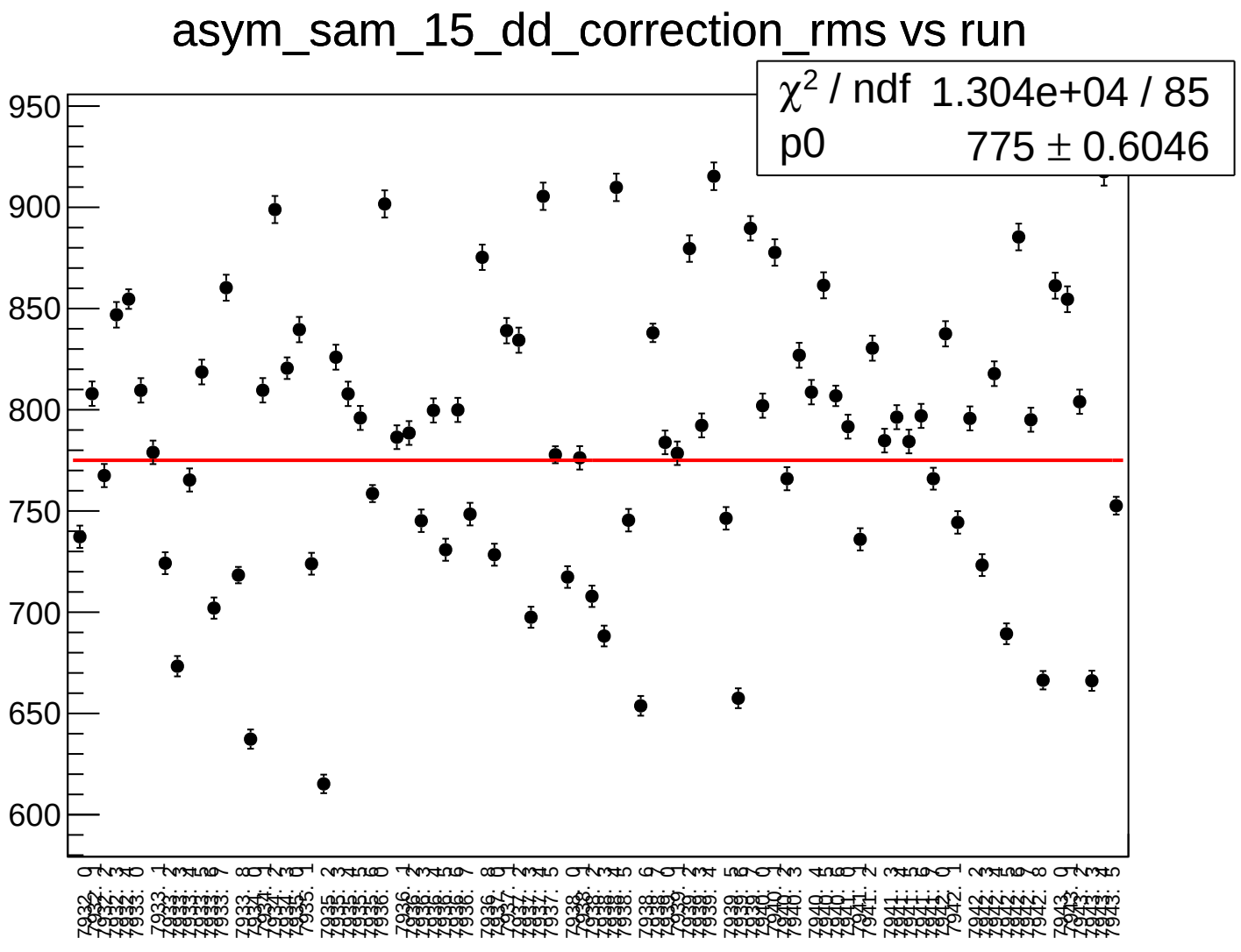

dit_asym_sam_15_dd_mean vs run
χ² / ndf 77.67 / 85
p0 −45.18 ± 106.3
pull
Entries 86
Mean 175.7
Std Dev 140.7

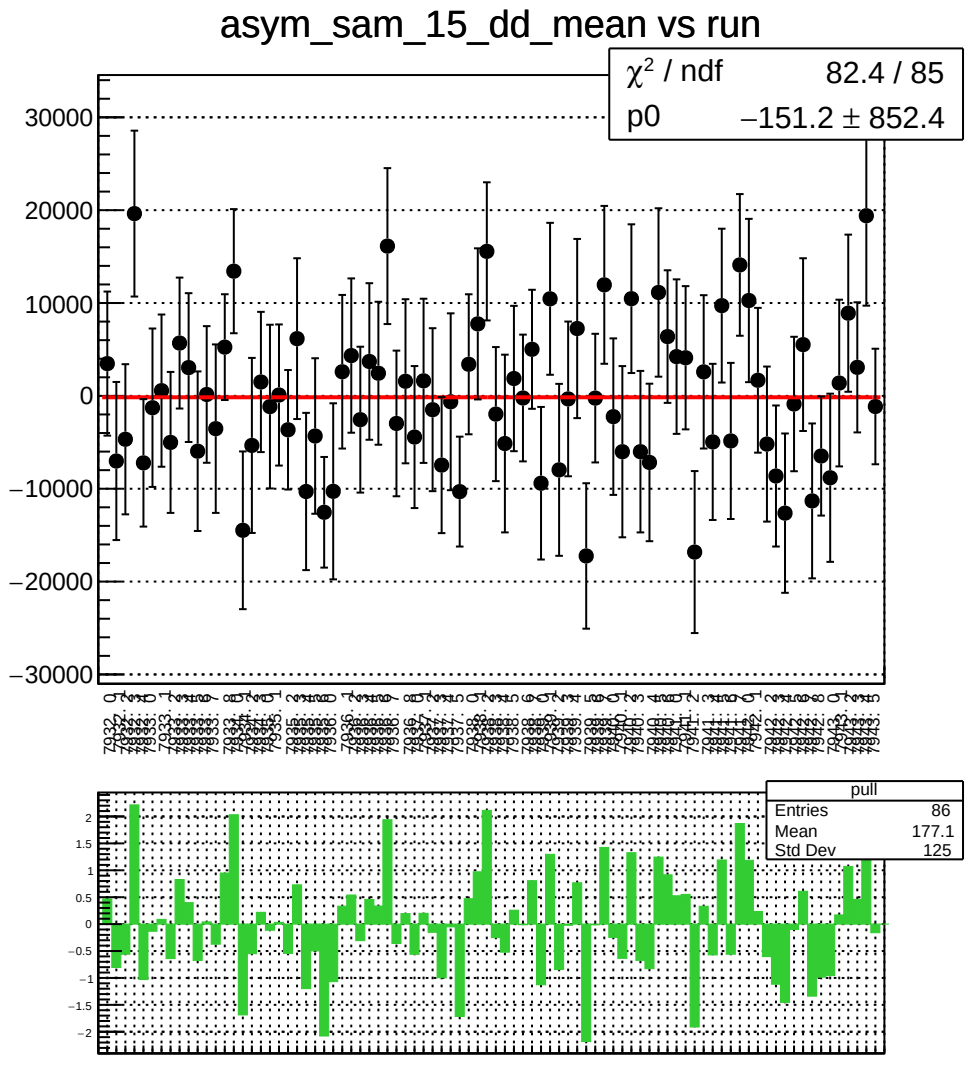

pull1D
Entries 86
Mean −0.01264
Std Dev 0.9503

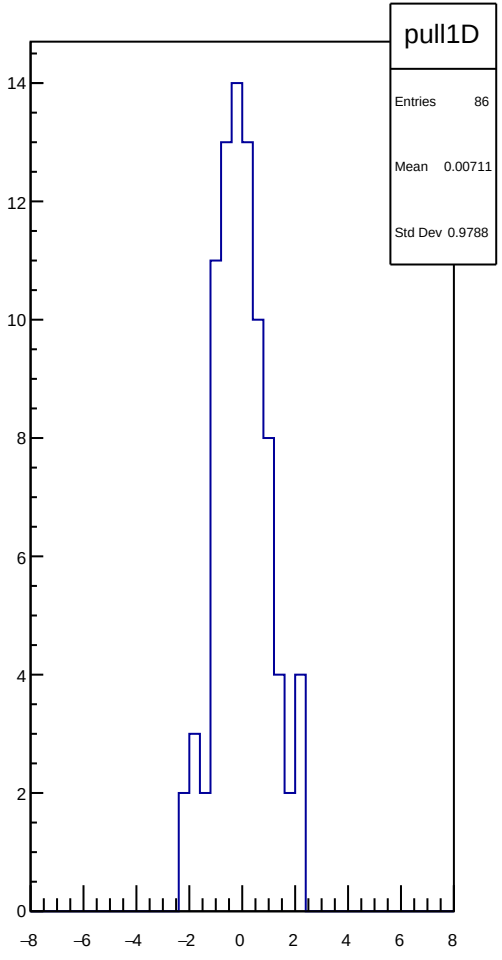

dit_asym_sam_15_dd_rms vs run
χ² / ndf 569.8 / 85
p0 96.77 ± 0.0752
102
100
98
96
94
92

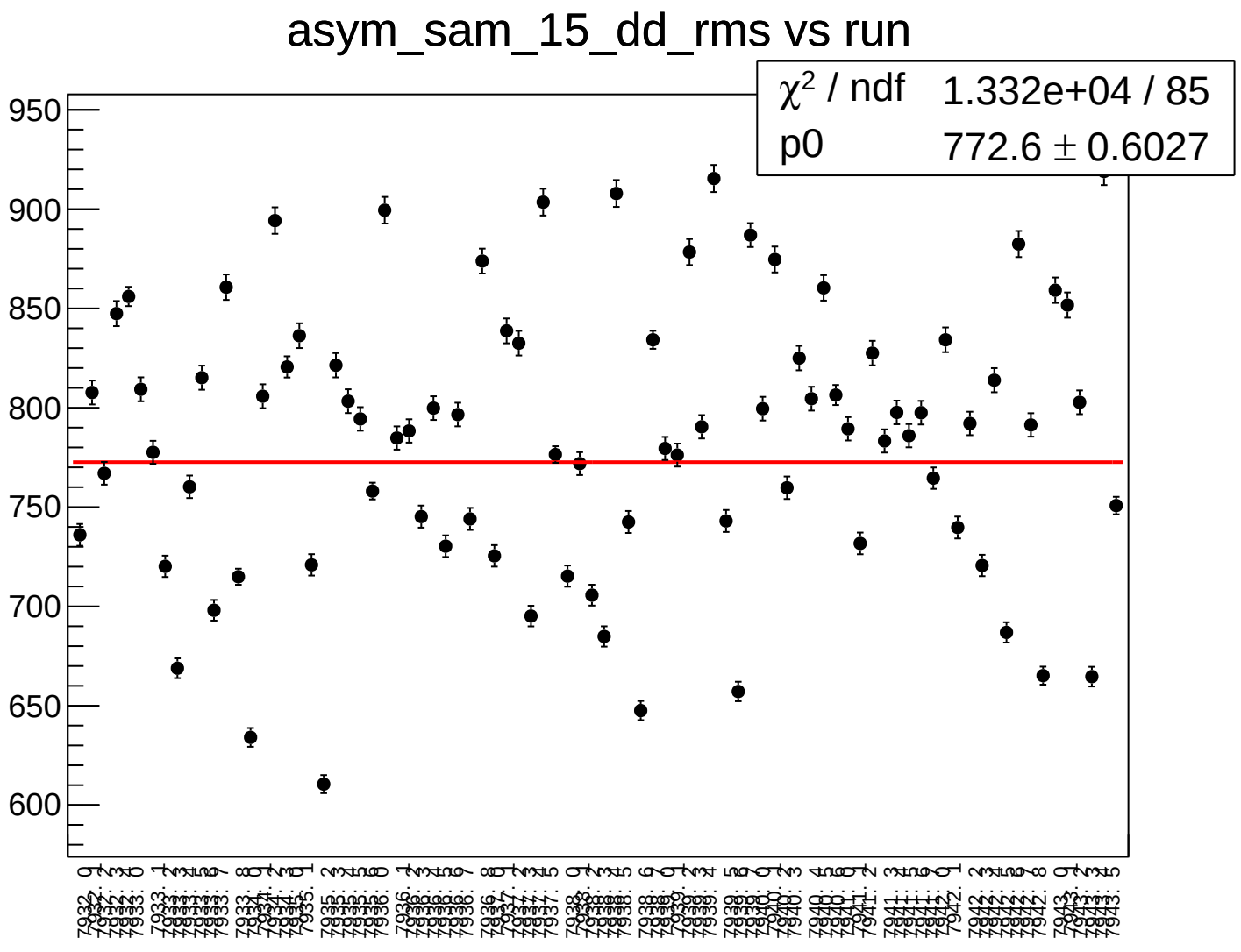

asym_sam_15_dd_correction_mean vs run
χ² / ndf 78.96 / 85
p0 115.2 ± 855
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 170.1
Std Dev 121.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

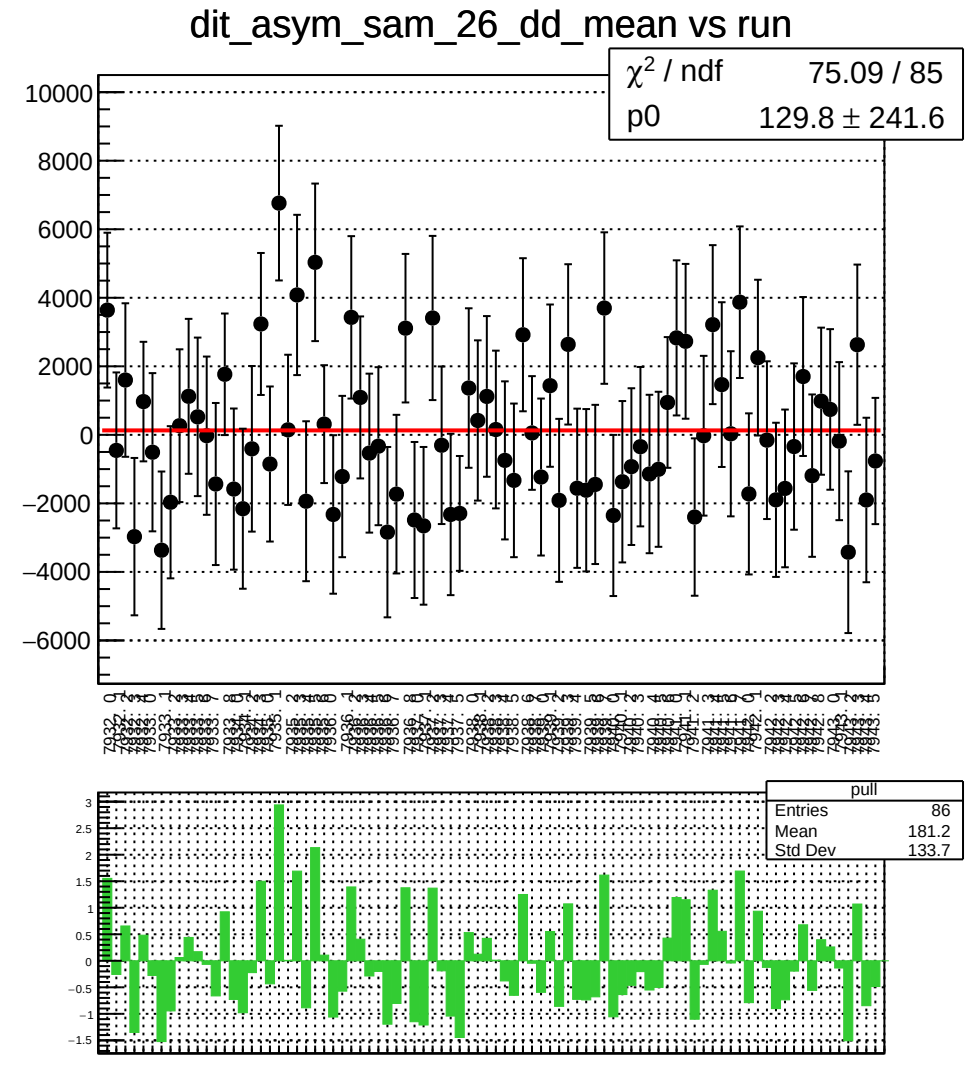

pull1D
Entries 86
Mean −0.009283
Std Dev 0.9582
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

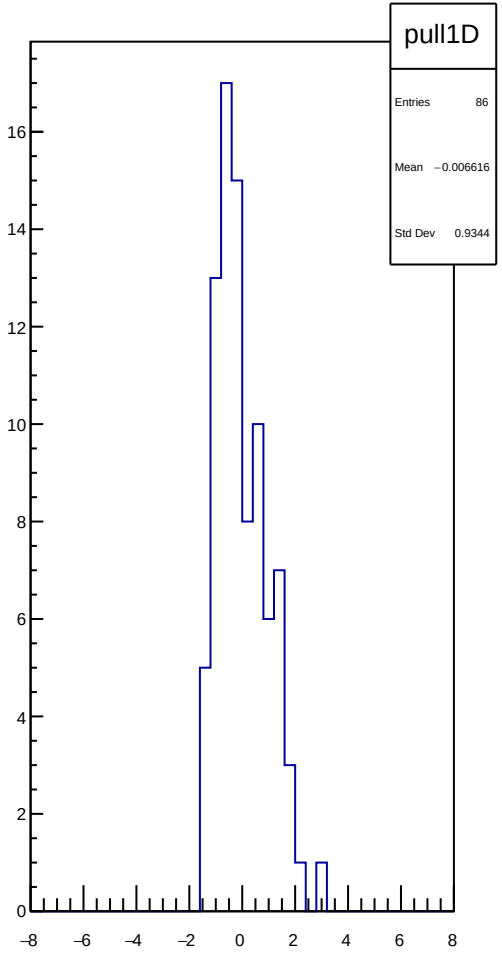

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1.304e+04 / 85
p0 775 ± 0.6046
950
900
850
800
750
700
650
600

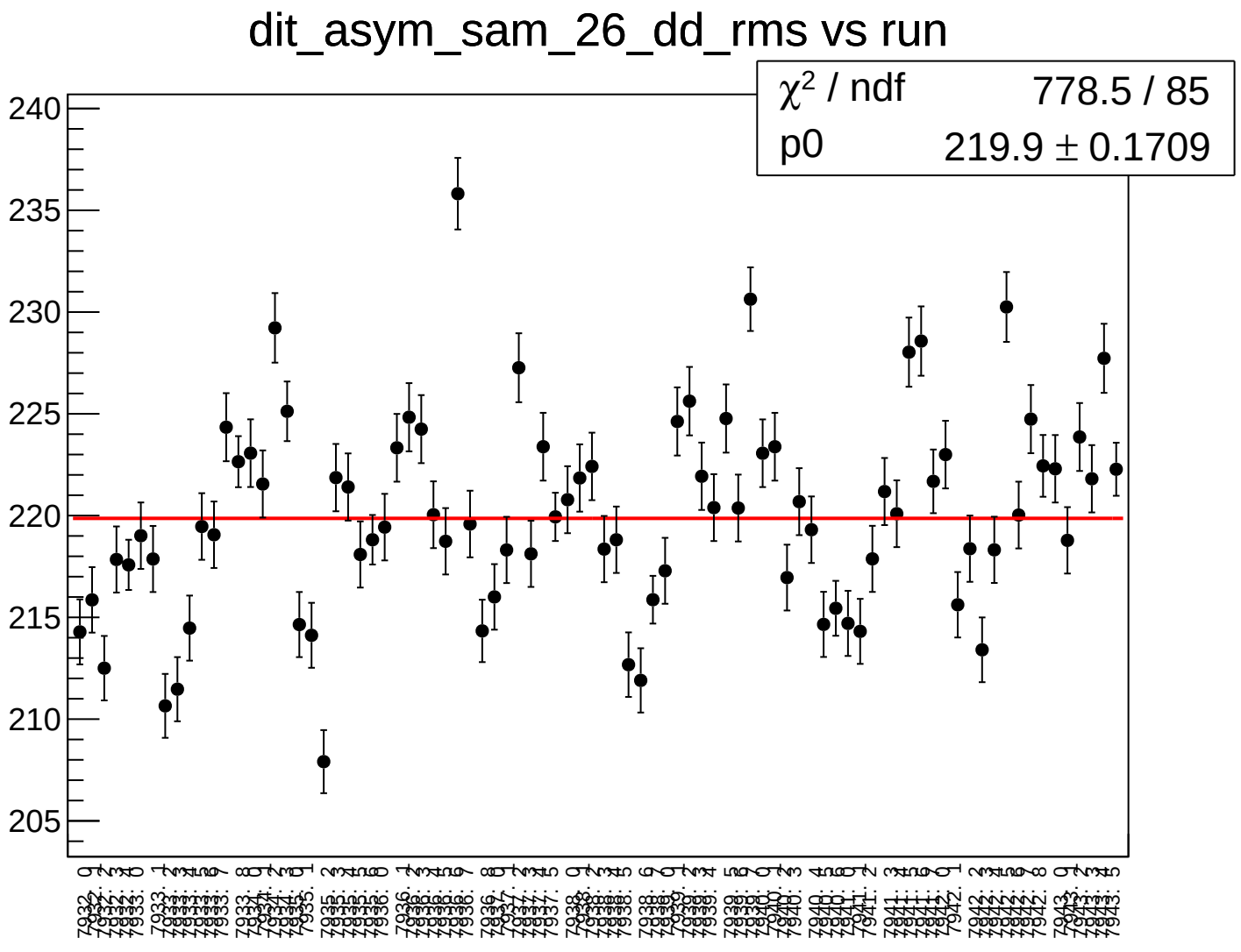

asym_sam_15_dd_mean vs run
χ² / ndf 82.4 / 85
p0 −151.2 ± 852.4
pull
Entries 86
Mean 177.1
Std Dev 125

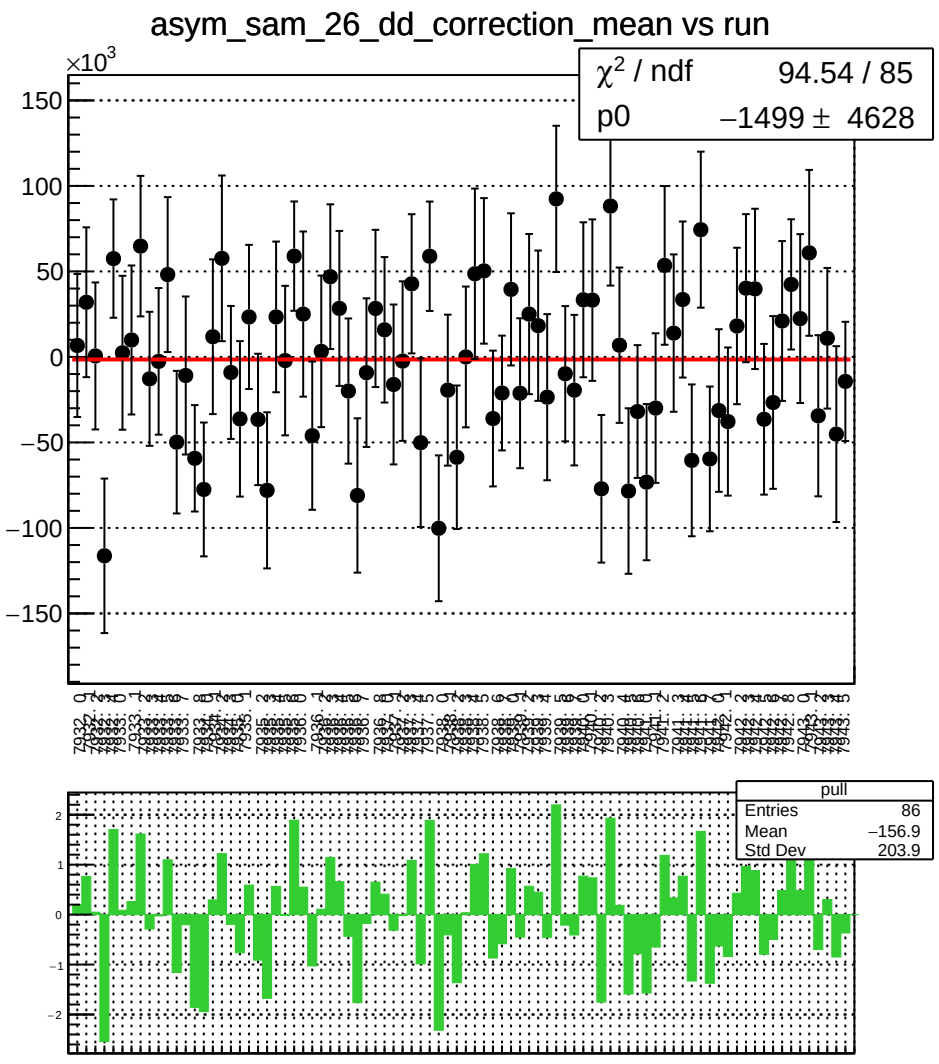

pull1D
Entries 86
Mean 0.00711
Std Dev 0.9788

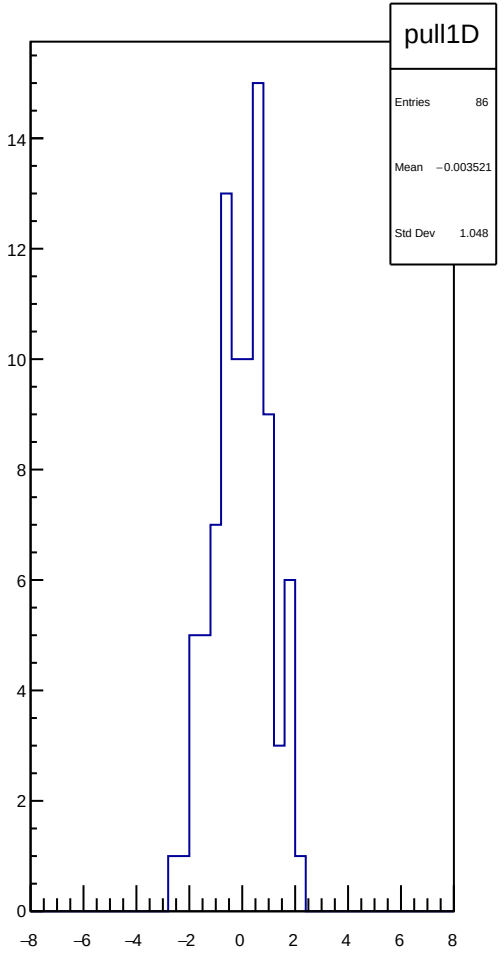

asym_sam_15_dd_rms vs run
χ² / ndf 1.332e+04 / 85
p0 772.6 ± 0.6027
950
900
850
800
750
700
650
600

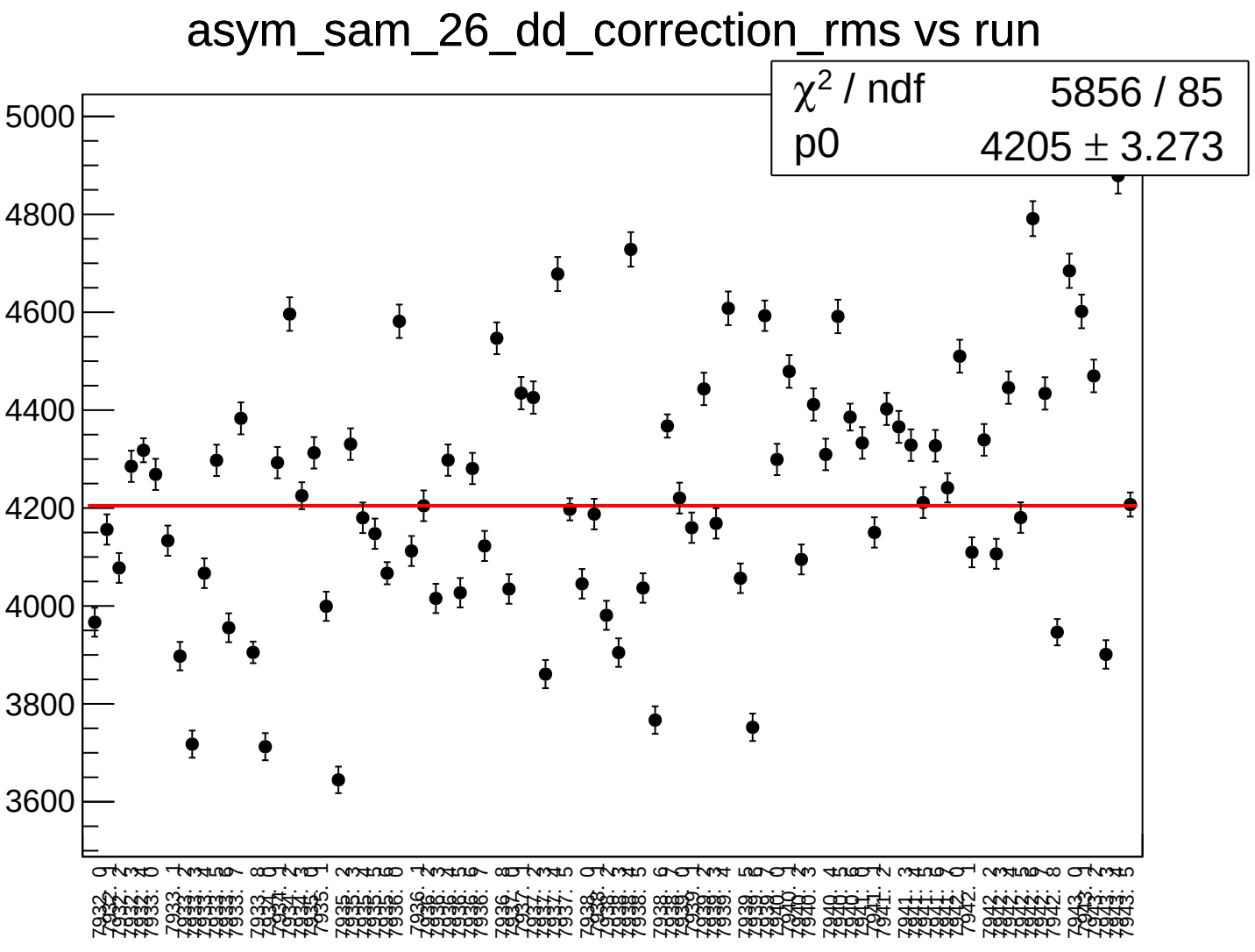

dit_asym_sam_26_dd_mean vs run
χ^2 / ndf 75.09 / 85
p0 129.8 ± 241.6
pull
Entries 86
Mean 181.2
Std Dev 133.7

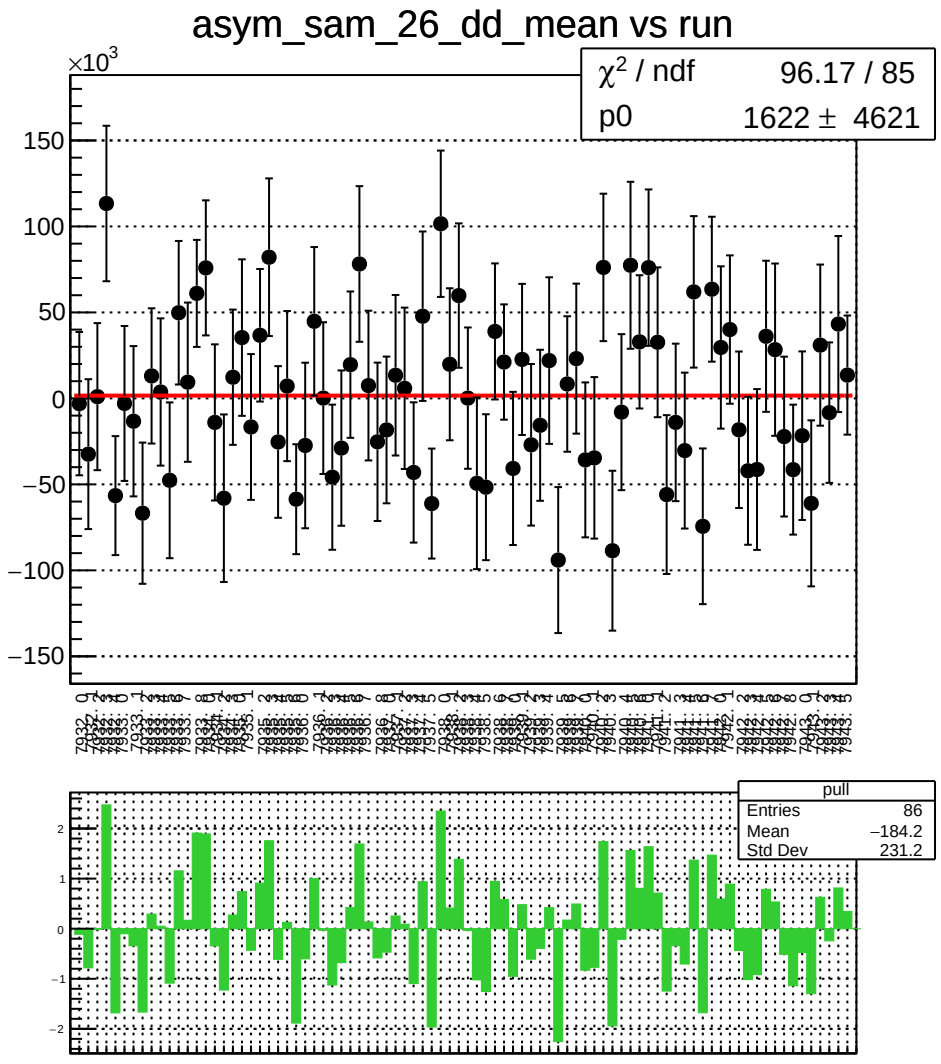

pull1D
Entries 86
Mean −0.006616
Std Dev 0.9344

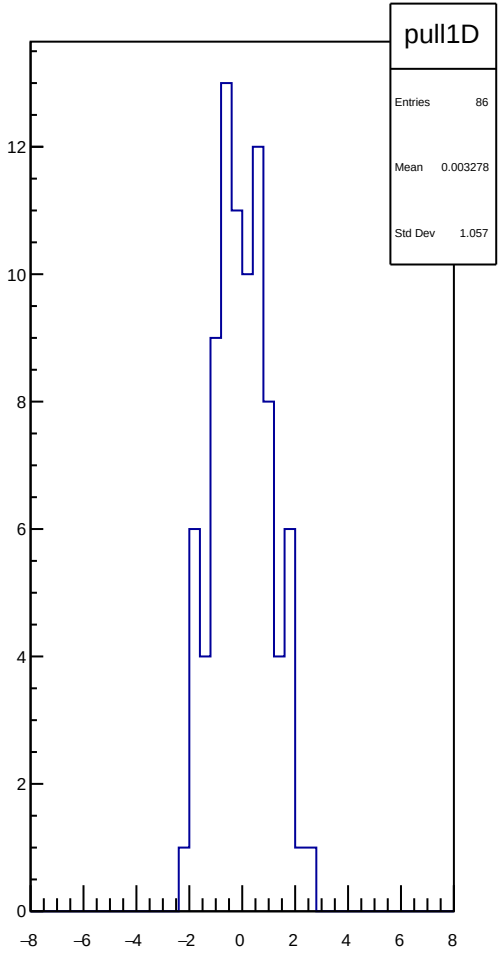

dit_asym_sam_26_dd_rms vs run
χ² / ndf 778.5 / 85
p0 219.9 ± 0.1709
240
235
230
225
220
215
210
205

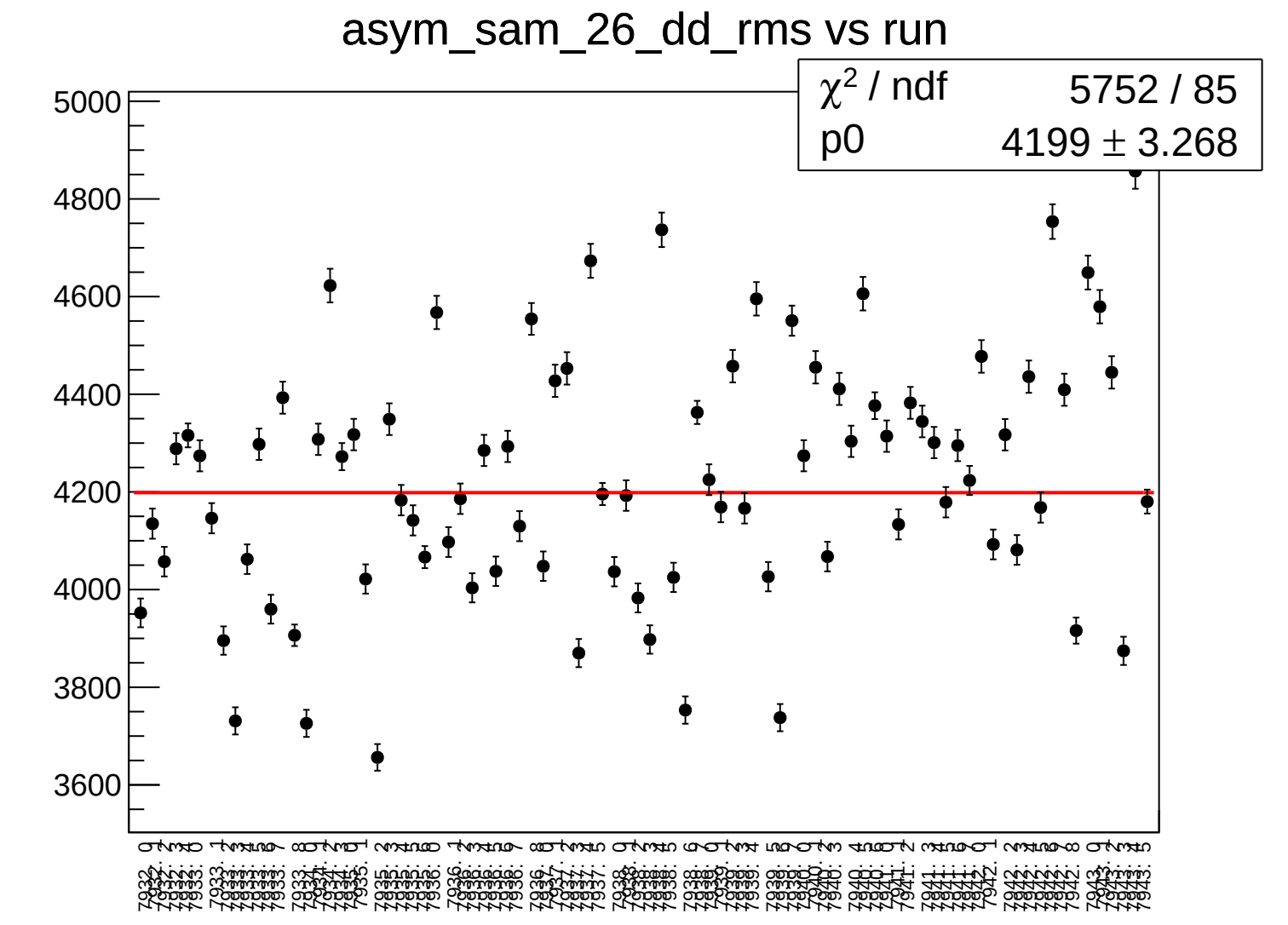

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 94.54 / 85
p0 −1499 ± 4628
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean −156.9
Std Dev 203.9
2
1
0
−1
−2

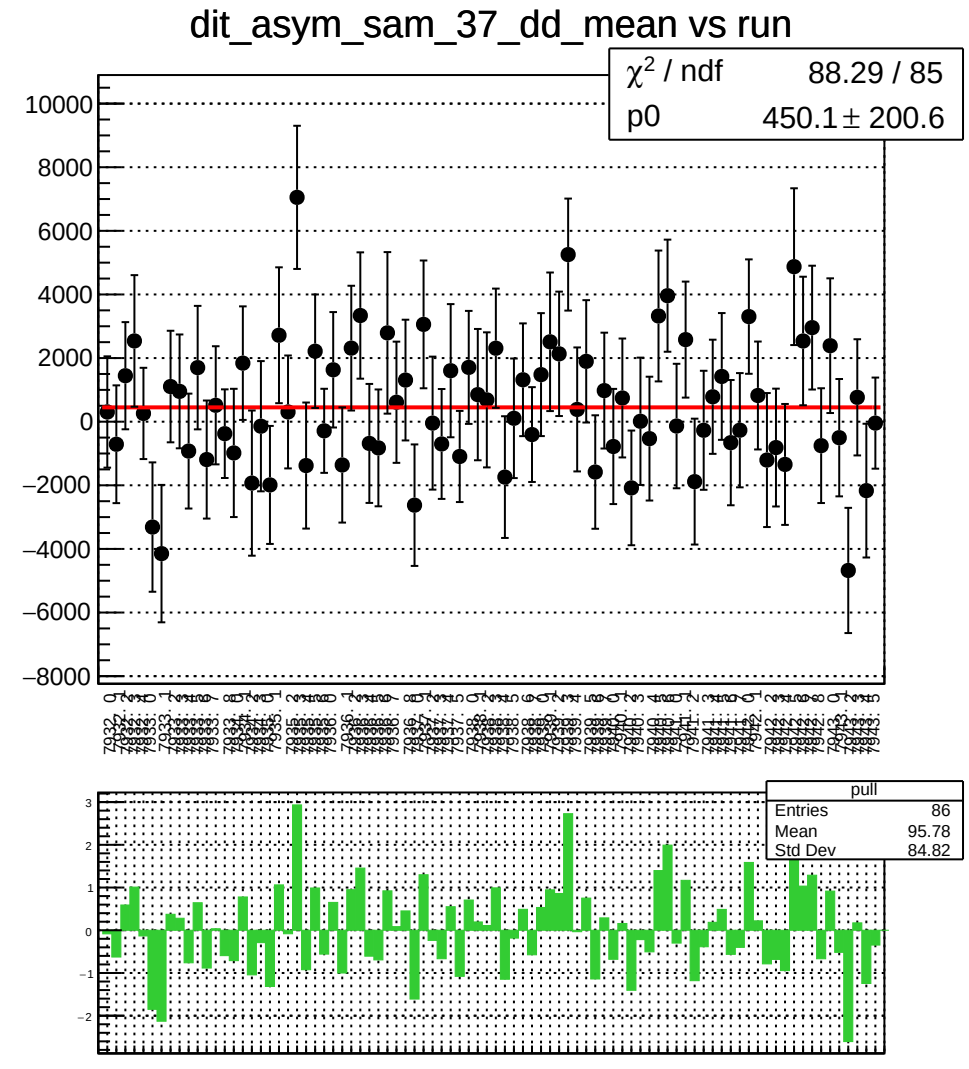

pull1D
Entries 86
Mean −0.003521
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

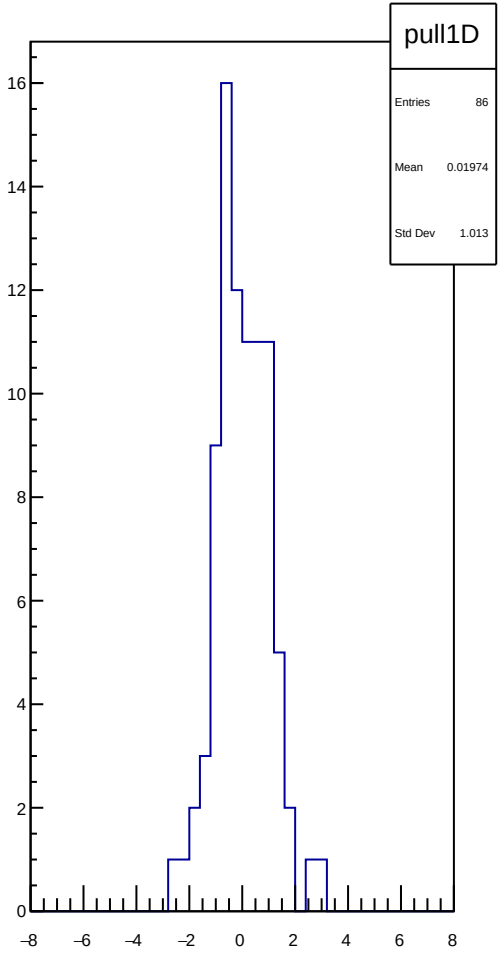

asym_sam_26_dd_correction_rms vs run
χ² / ndf 5856 / 85
p0 4205 ± 3.273
5000
4800
4600
4400
4200
4000
3800
3600

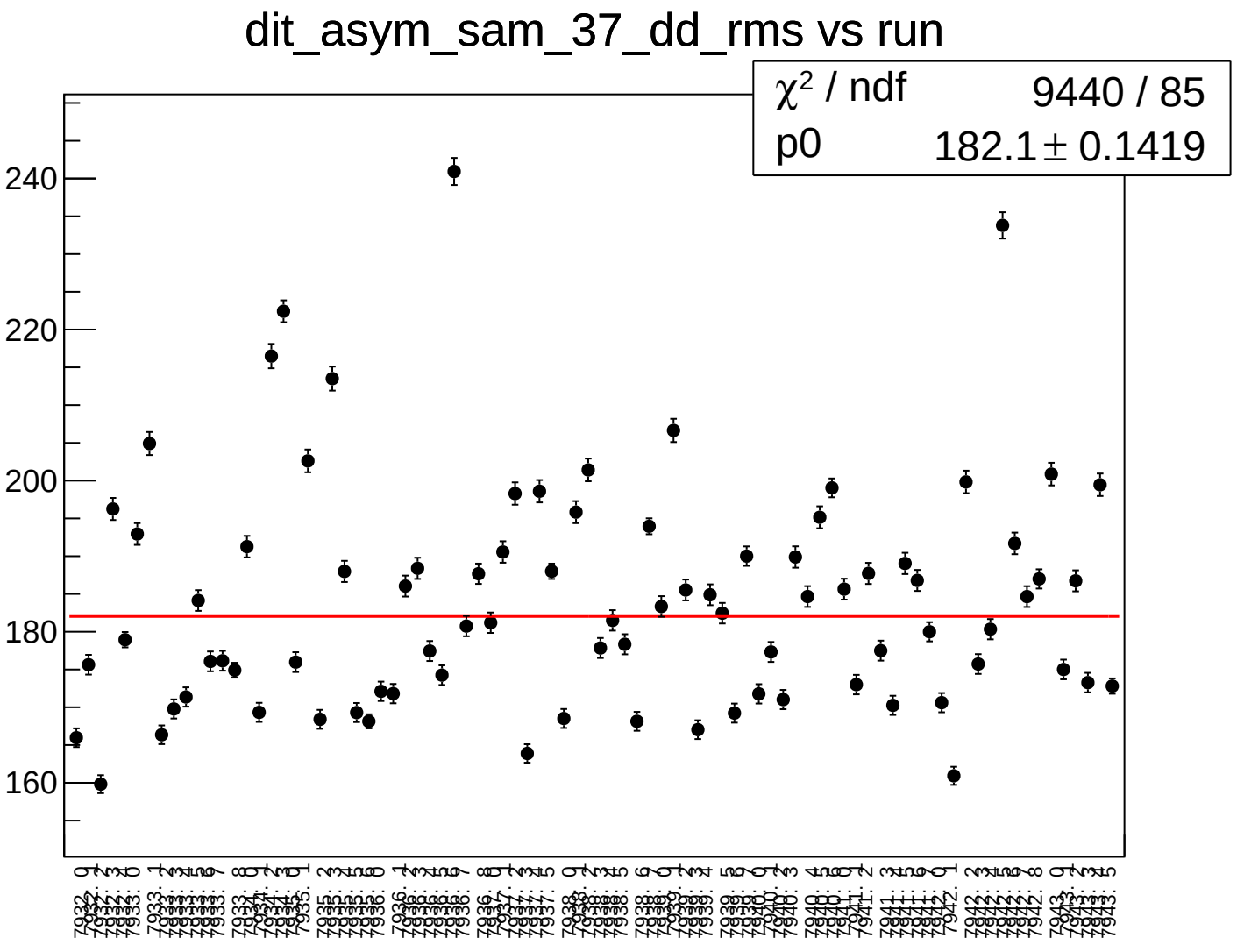

asym_sam_26_dd_mean vs run
×10^3
χ^2 / ndf 96.17 / 85
p0 1622 ± 4621
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean −184.2
Std Dev 231.2
2
1
0
−1
−2

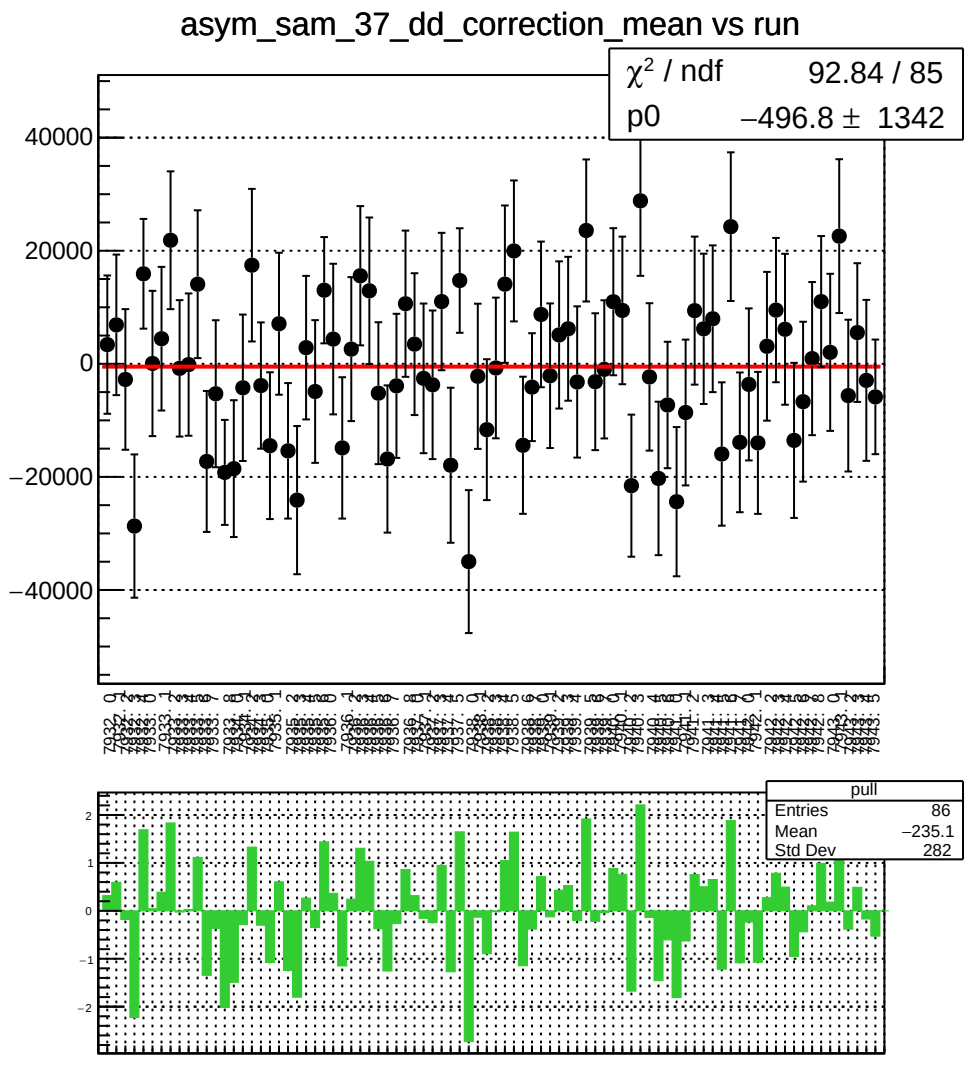

pull1D
Entries 86
Mean 0.003278
Std Dev 1.057
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

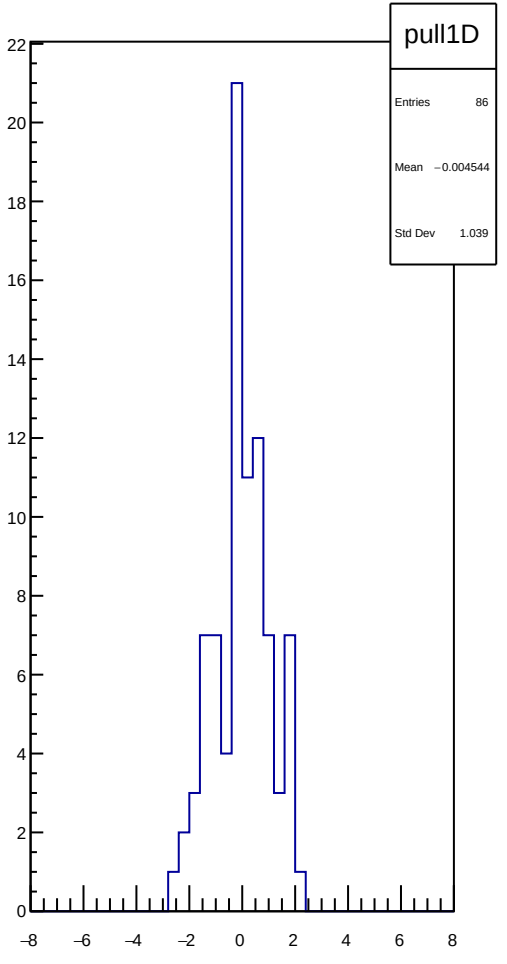

asym_sam_26_dd_rms vs run
χ^2 / ndf 5752 / 85
p0 4199 ± 3.268
5000
4800
4600
4400
4200
4000
3800
3600

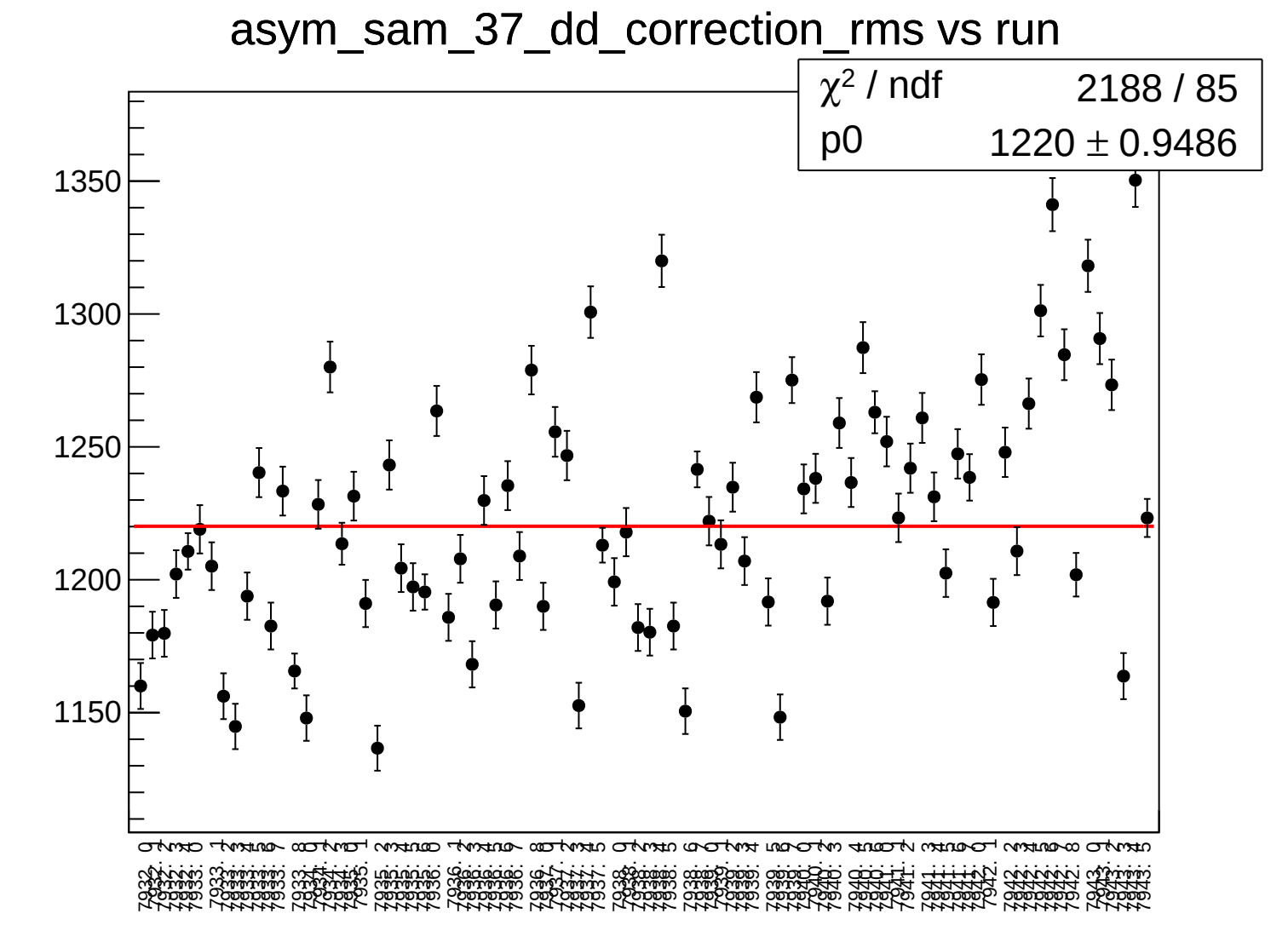

dit_asym_sam_37_dd_mean vs run
χ² / ndf 88.29 / 85
p0 450.1 ± 200.6
pull
Entries 86
Mean 95.78
Std Dev 84.82

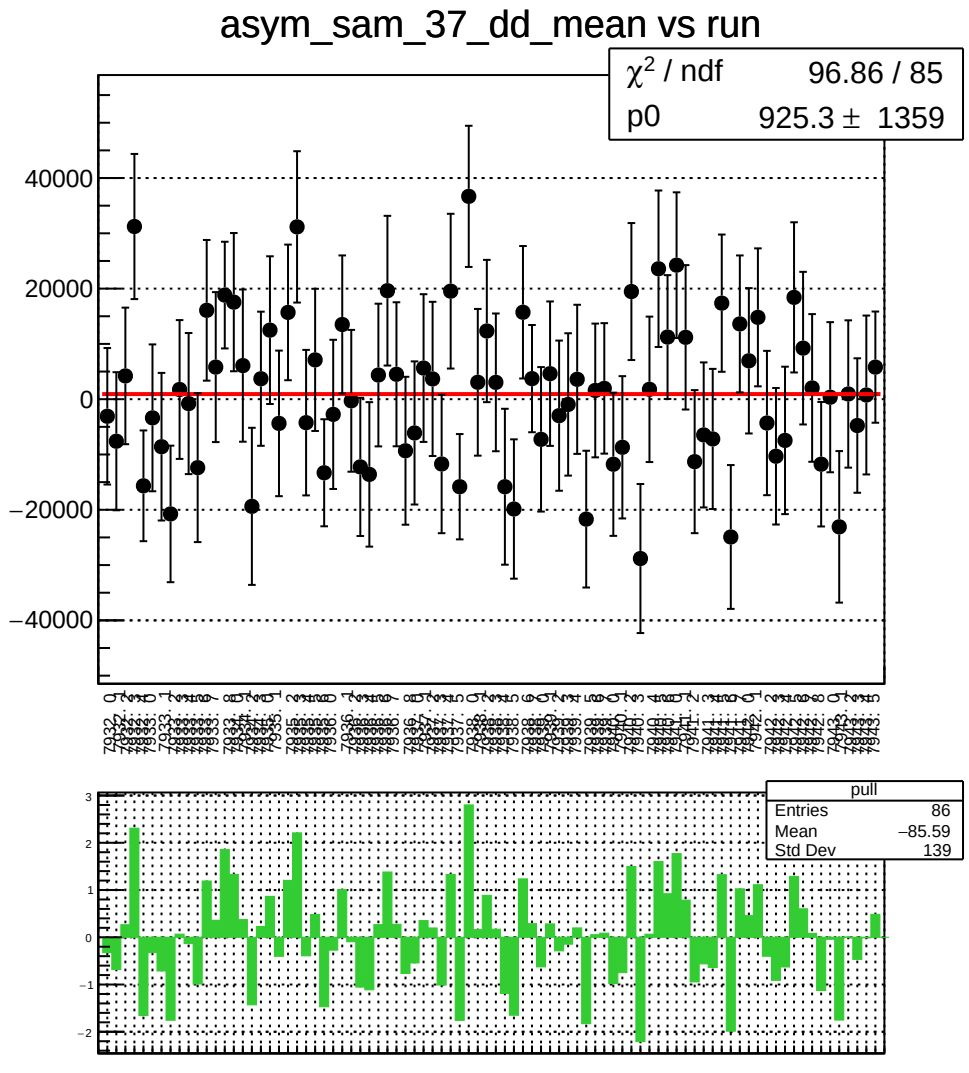

pull1D
Entries 86
Mean 0.01974
Std Dev 1.013

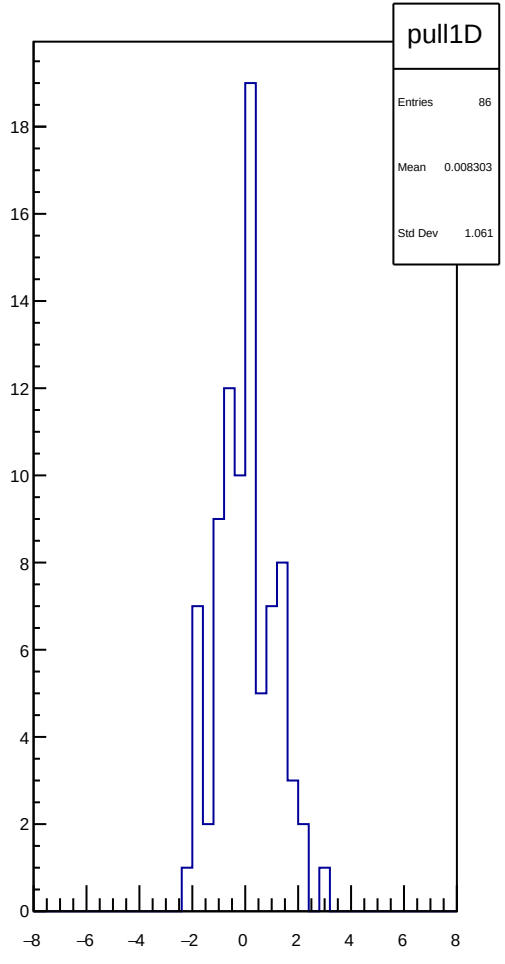

dit_asym_sam_37_dd_rms vs run
χ² / ndf 9440 / 85
p0 182.1 ± 0.1419
240
220
200
180
160

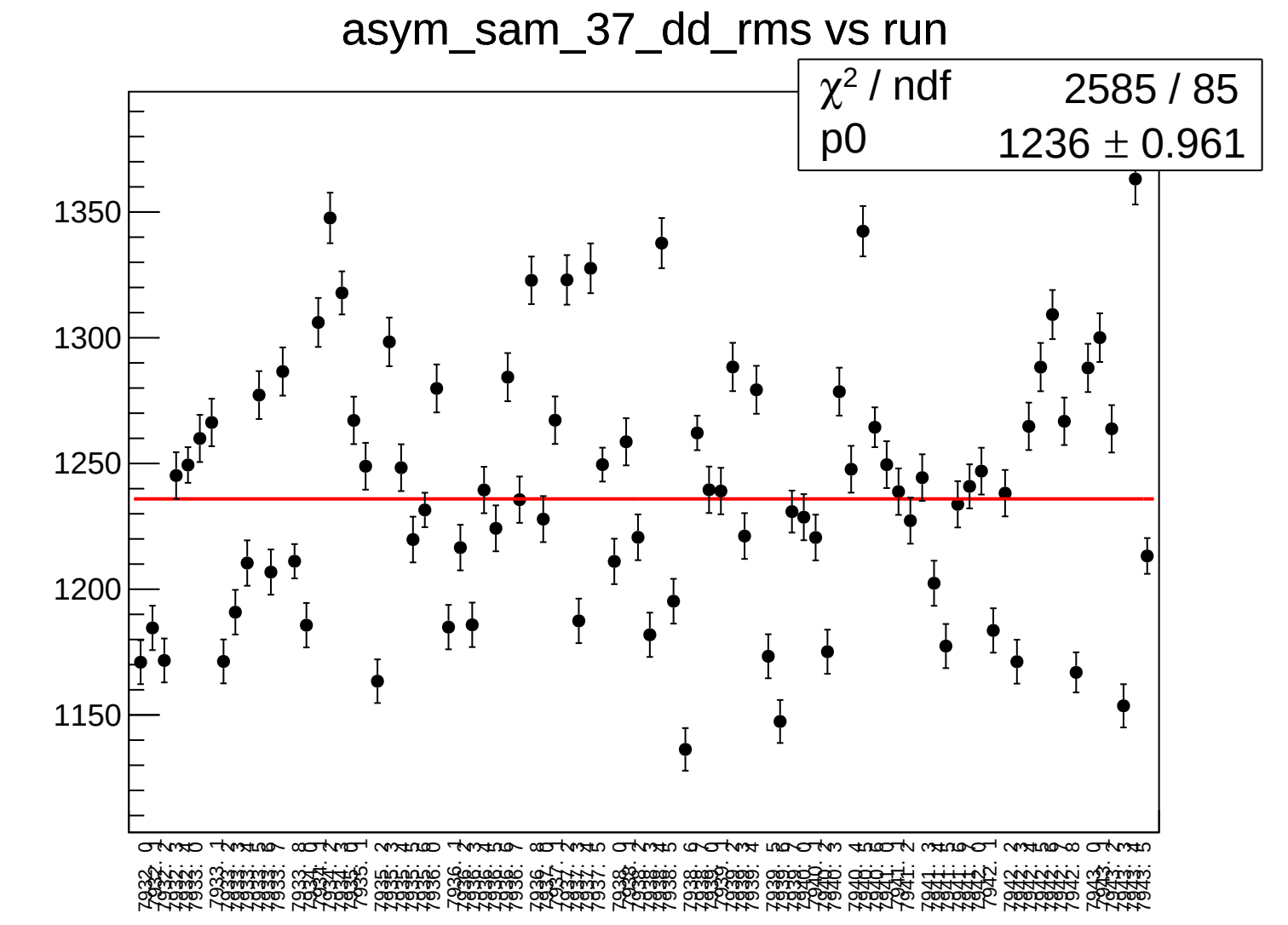

asym_sam_37_dd_correction_mean vs run
χ² / ndf 92.84 / 85
p0 −496.8 ± 1342
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −235.1
Std Dev 282
2
1
0
−1
−2

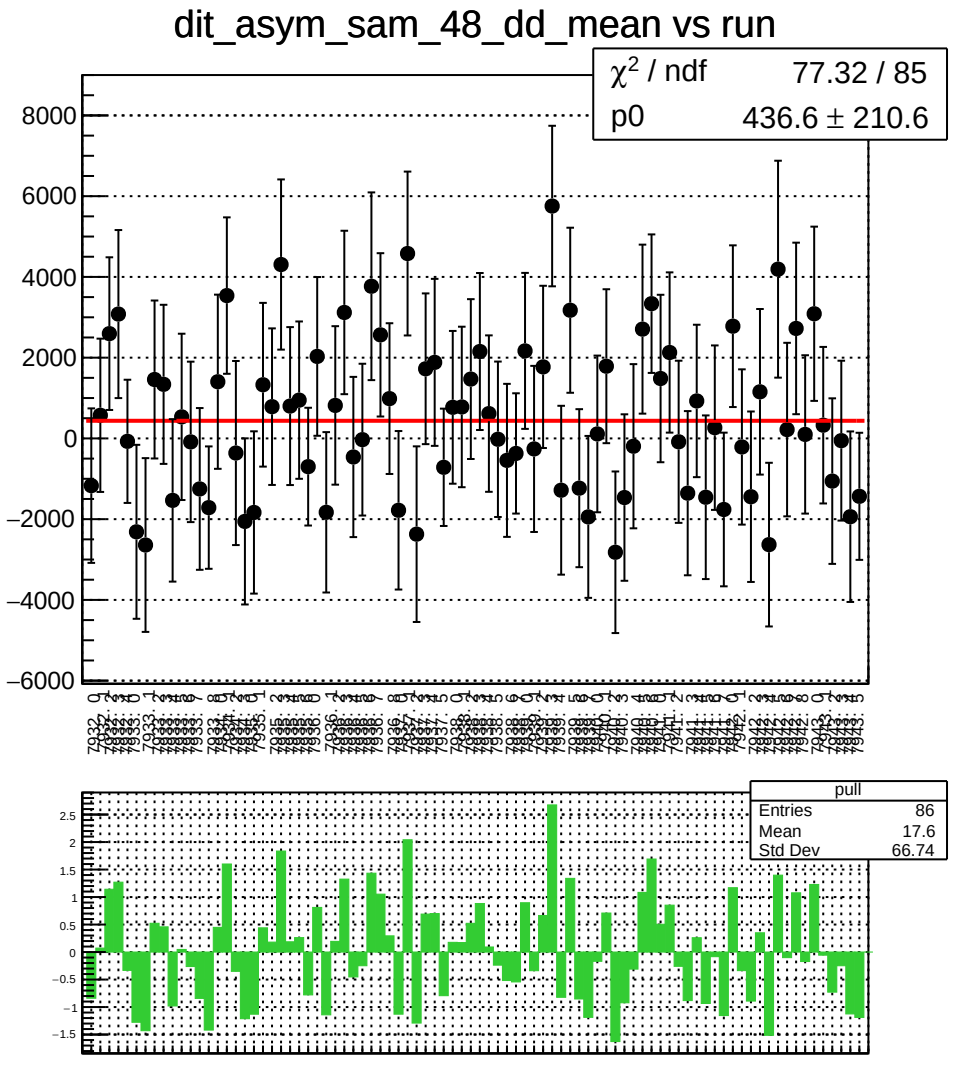

pull1D
Entries 86
Mean −0.004544
Std Dev 1.039
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

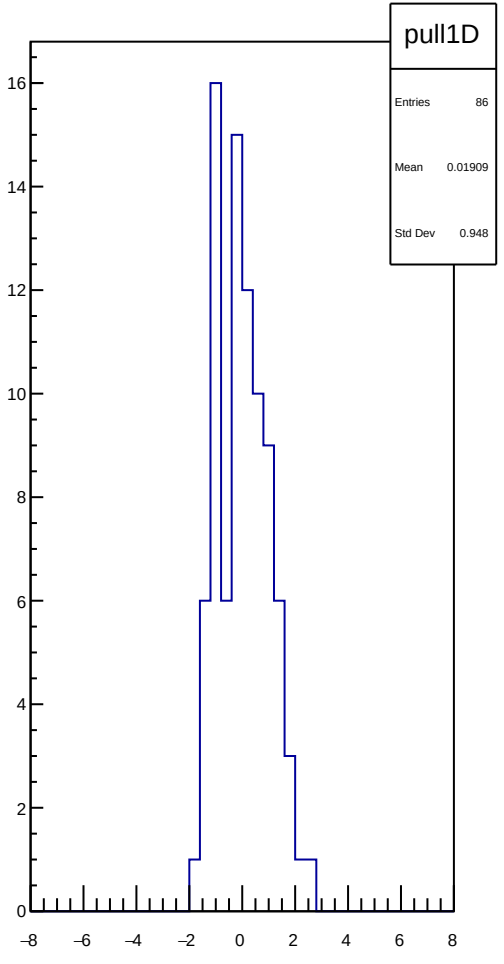

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2188 / 85
p0 1220 ± 0.9486
1350
1300
1250
1200
1150

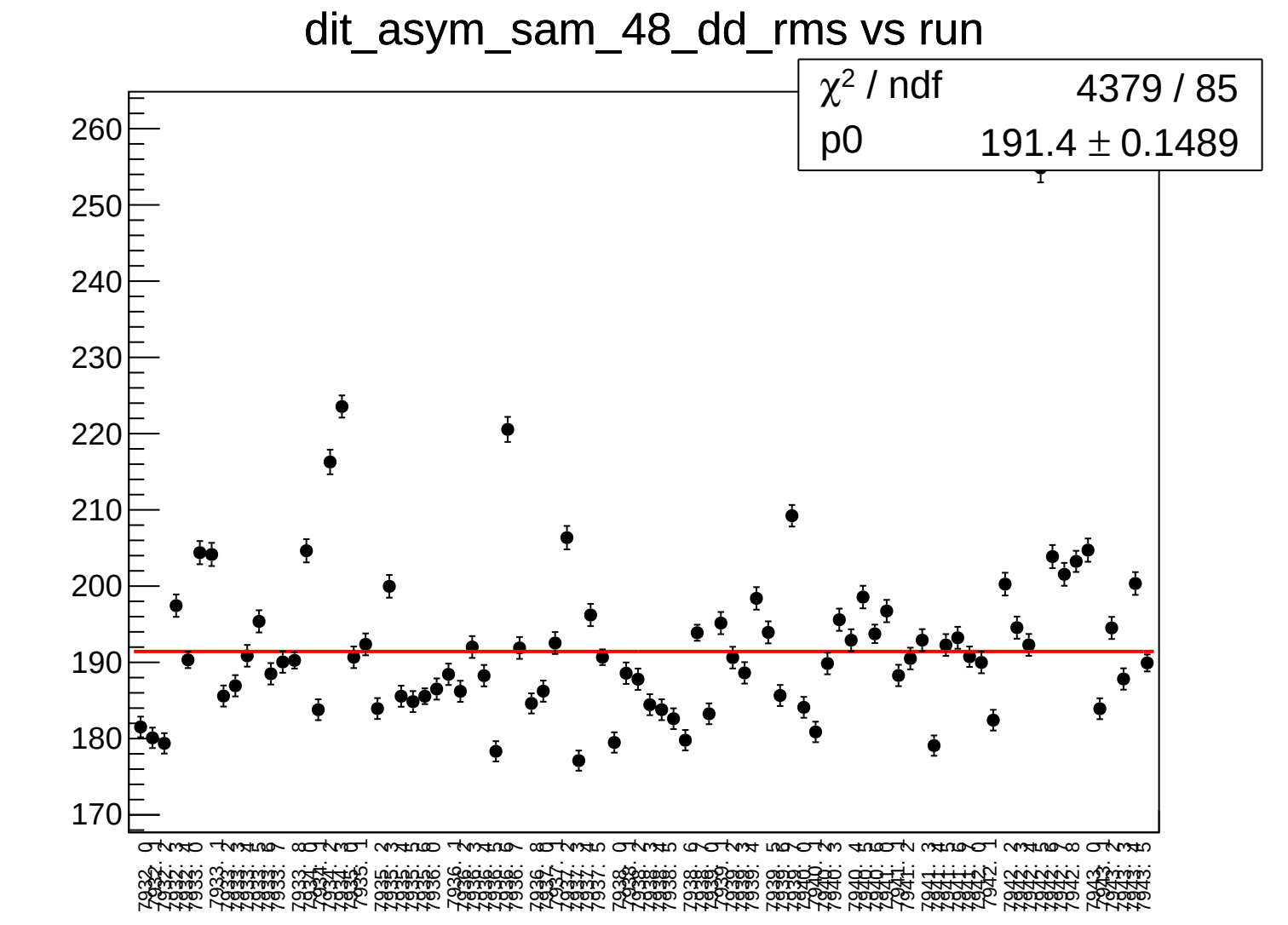

asym_sam_37_dd_mean vs run
χ² / ndf 96.86 / 85
p0 925.3 ± 1359
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −85.59
Std Dev 139
3
2
1
0
−1
−2

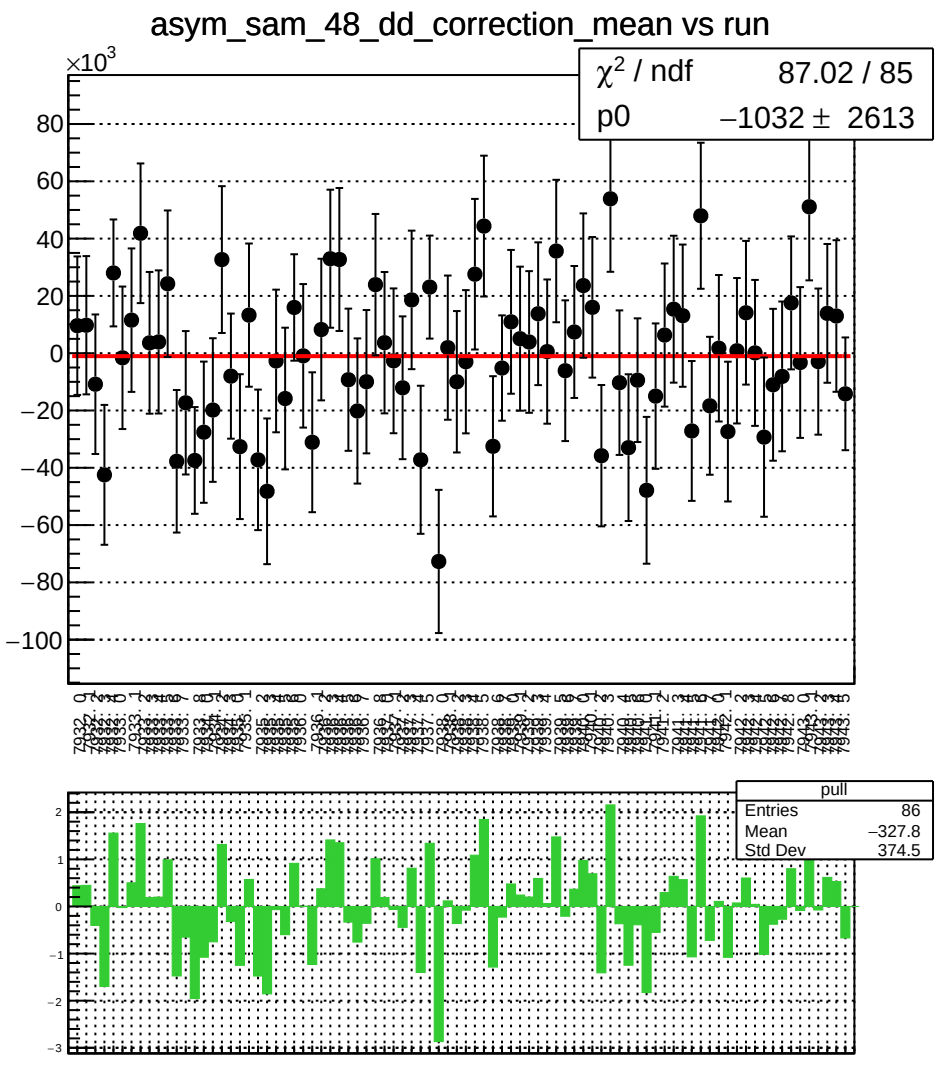

pull1D
Entries 86
Mean 0.008303
Std Dev 1.061
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

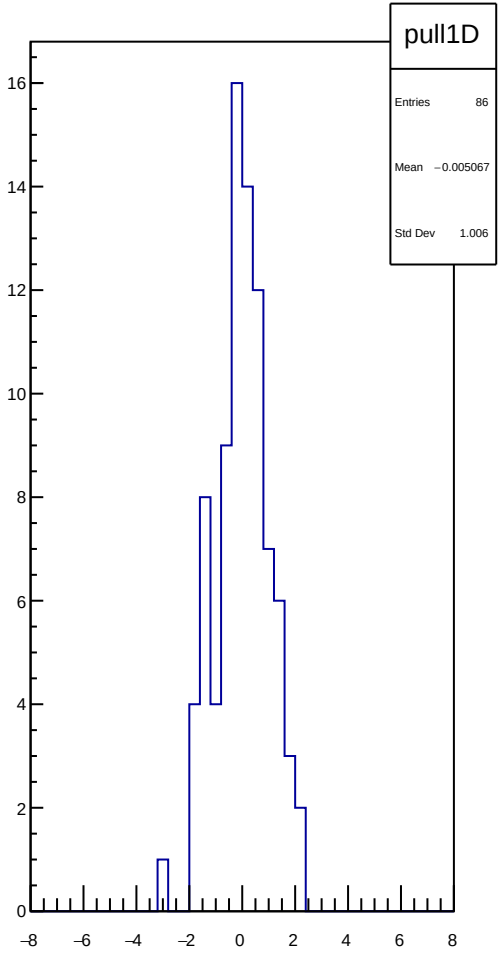

asym_sam_37_dd_rms vs run
χ² / ndf 2585 / 85
p0 1236 ± 0.961
1350
1300
1250
1200
1150

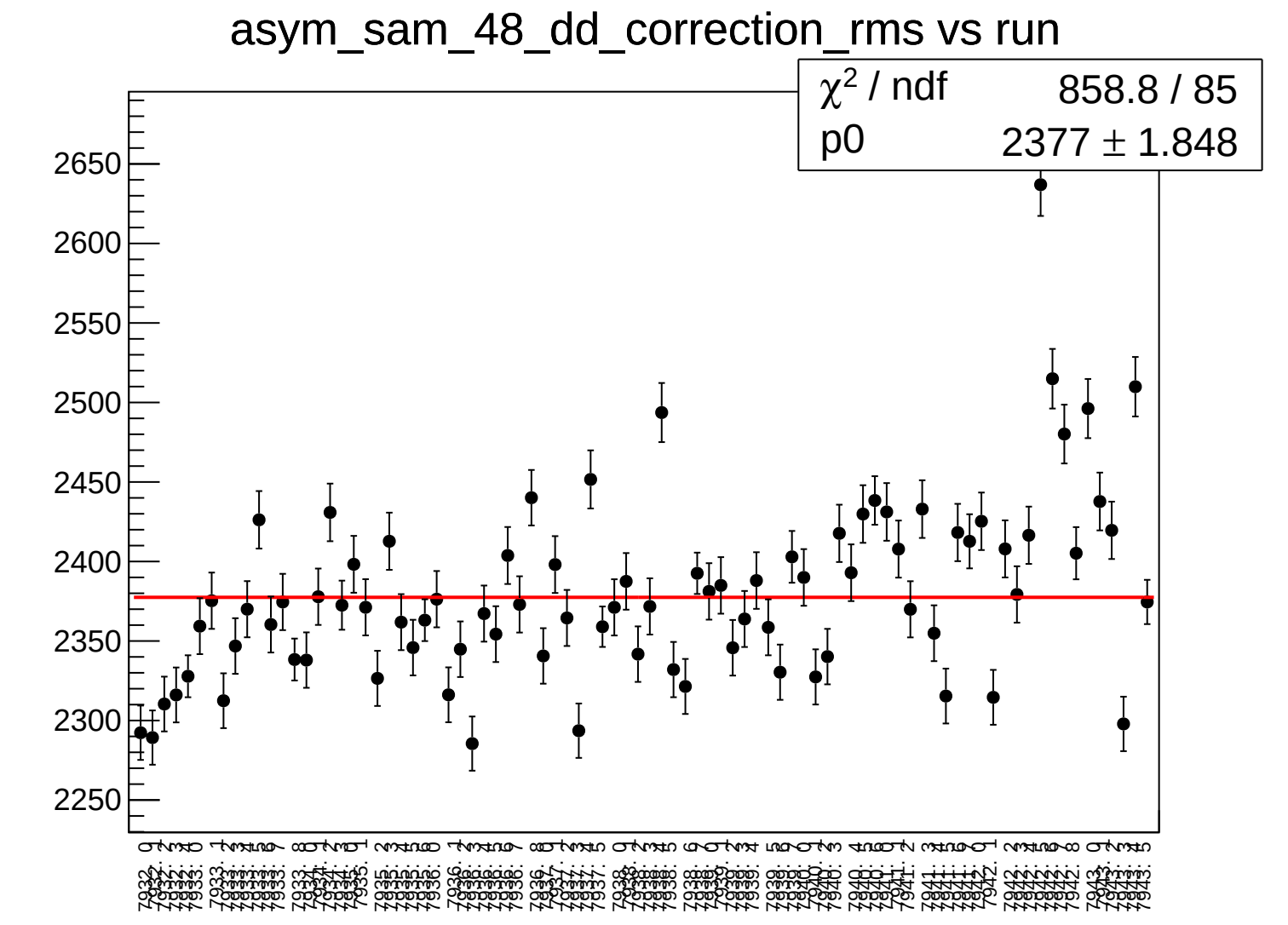

dit_asym_sam_48_dd_mean vs run
χ² / ndf 77.32 / 85
p0 436.6 ± 210.6
pull
Entries 86
Mean 17.6
Std Dev 66.74

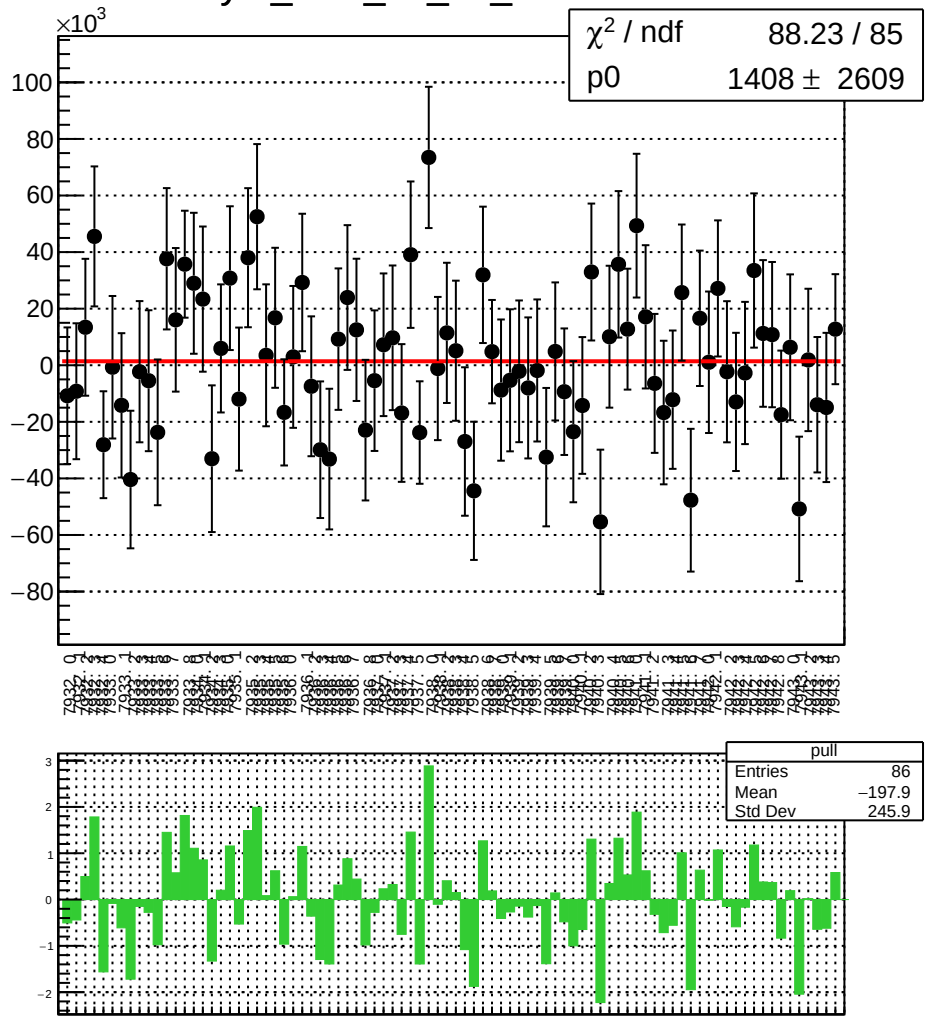

pull1D
Entries 86
Mean 0.01909
Std Dev 0.948

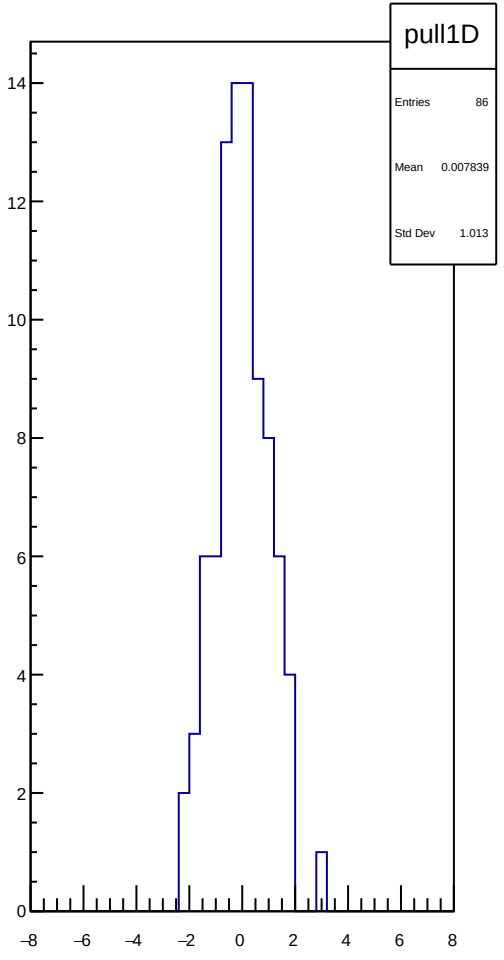

dit_asym_sam_48_dd_rms vs run
χ² / ndf 4379 / 85
p0 191.4 ± 0.1489
260
250
240
230
220
210
200
190
180
170

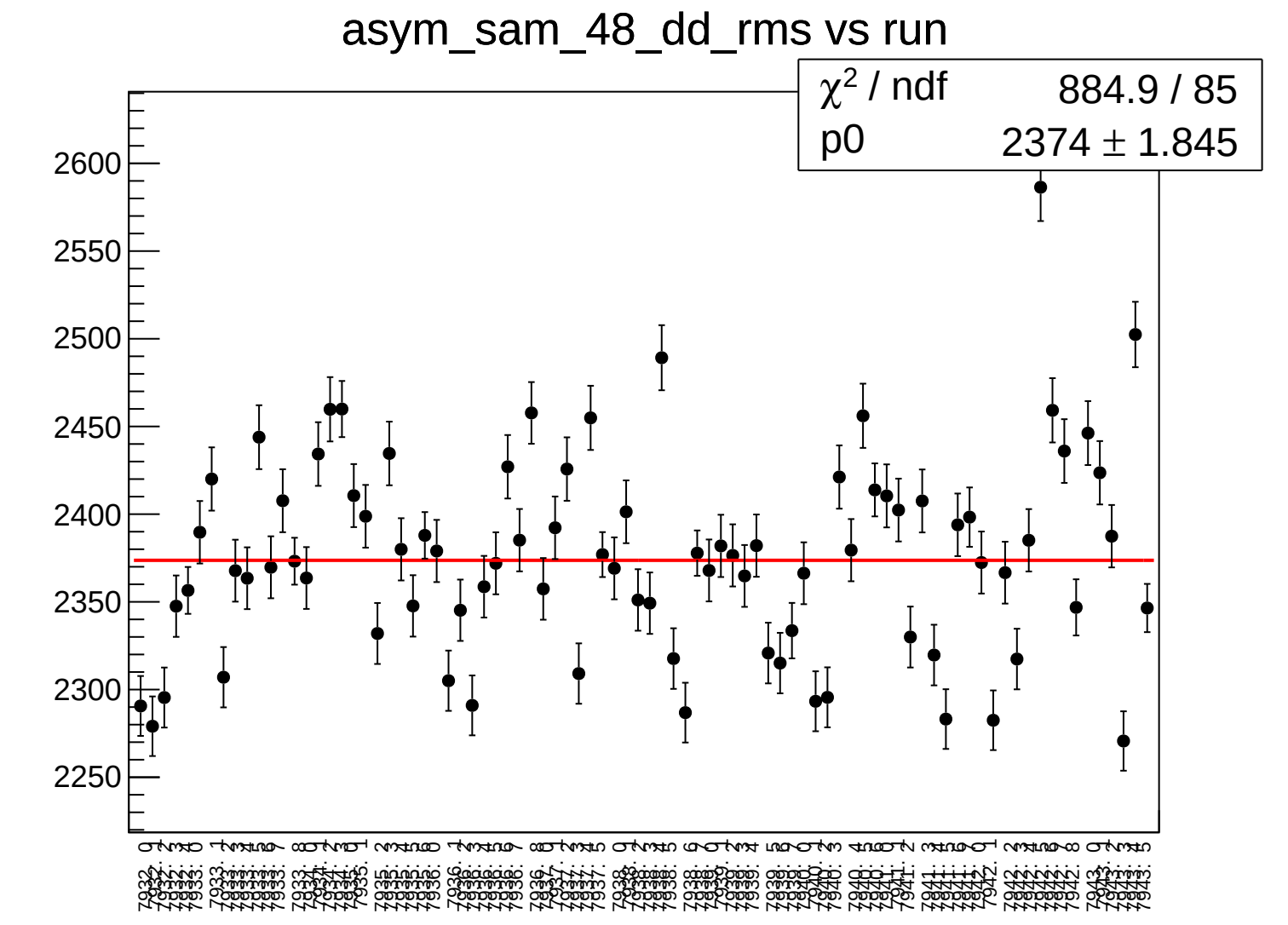

asym_sam_48_dd_correction_mean vs run
χ² / ndf 87.02 / 85
p0 −1032 ± 2613
×10³
pull
Entries 86
Mean −327.8
Std Dev 374.5

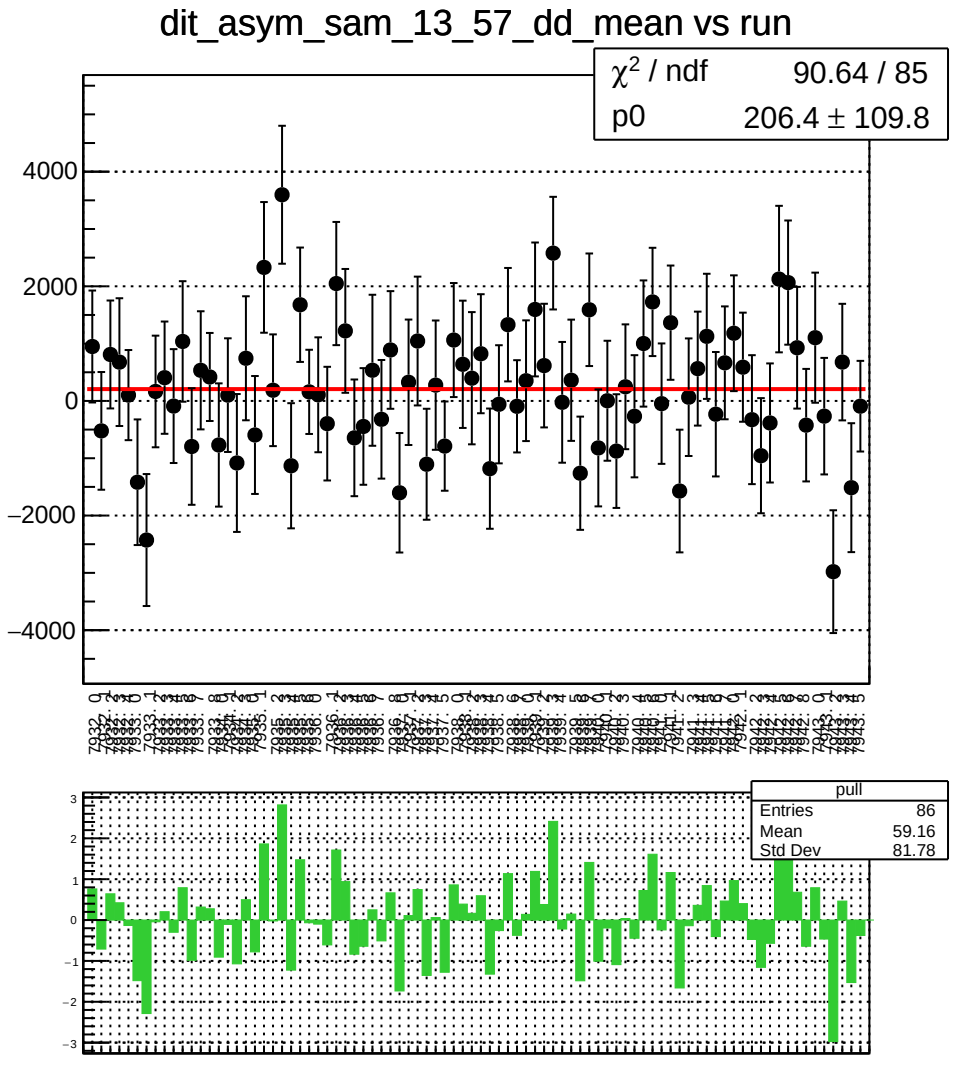

pull1D
Entries 86
Mean −0.005067
Std Dev 1.006

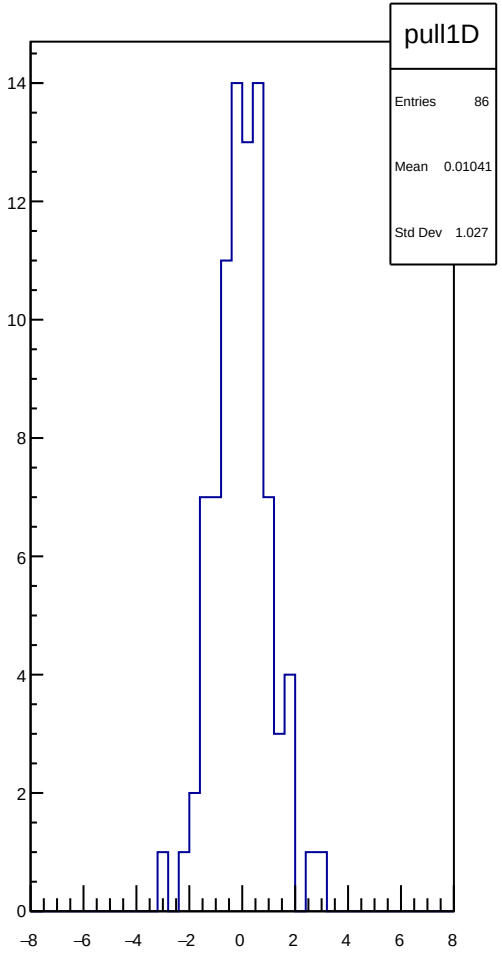

asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 858.8 / 85
p0 2377 ± 1.848
2650
2600
2550
2500
2450
2400
2350
2300
2250

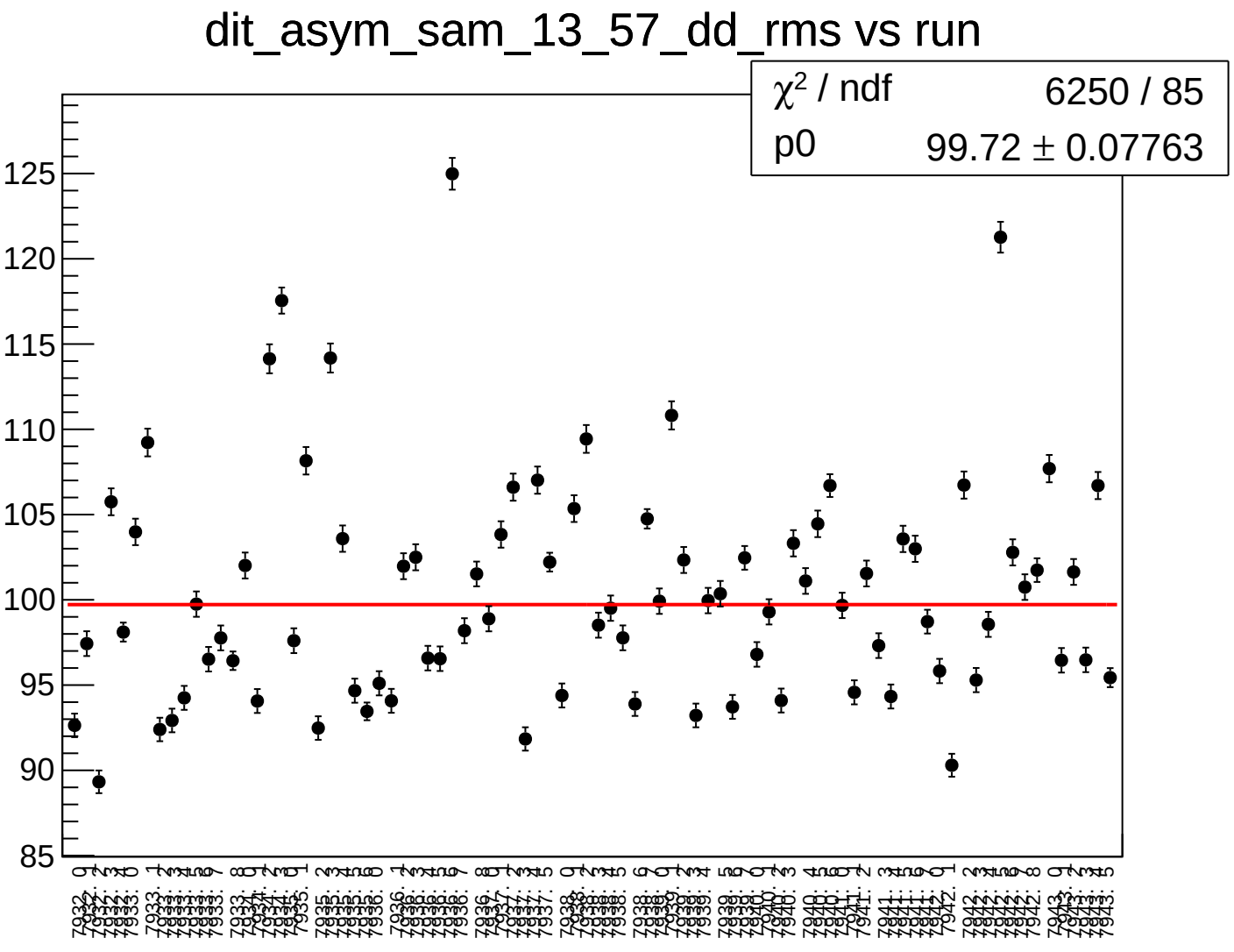

asym_sam_48_dd_mean vs run
×10^3
χ^2 / ndf 88.23 / 85
p0 1408 ± 2609
pull
Entries 86
Mean −197.9
Std Dev 245.9

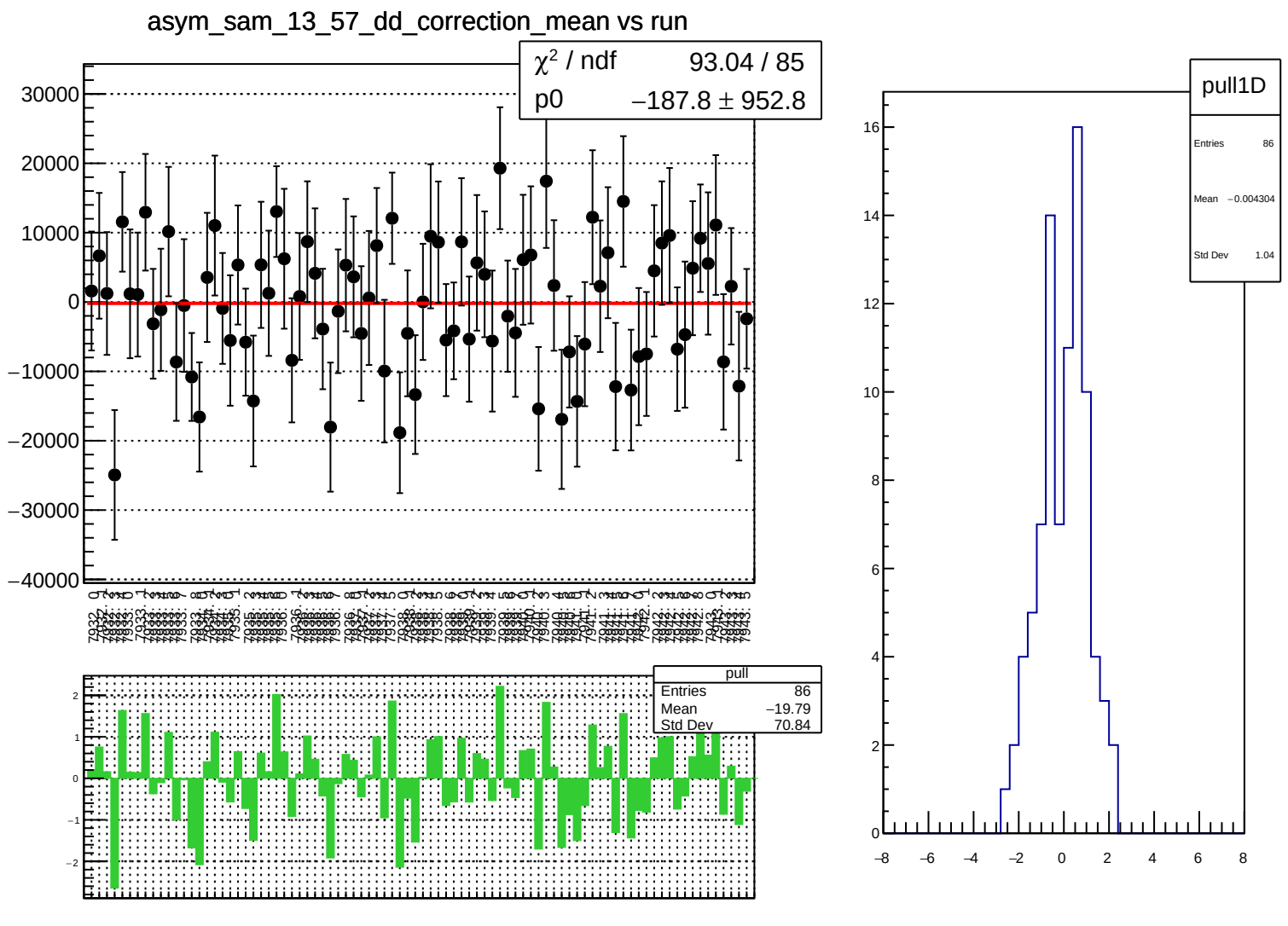

pull1D
Entries 86
Mean 0.007839
Std Dev 1.013

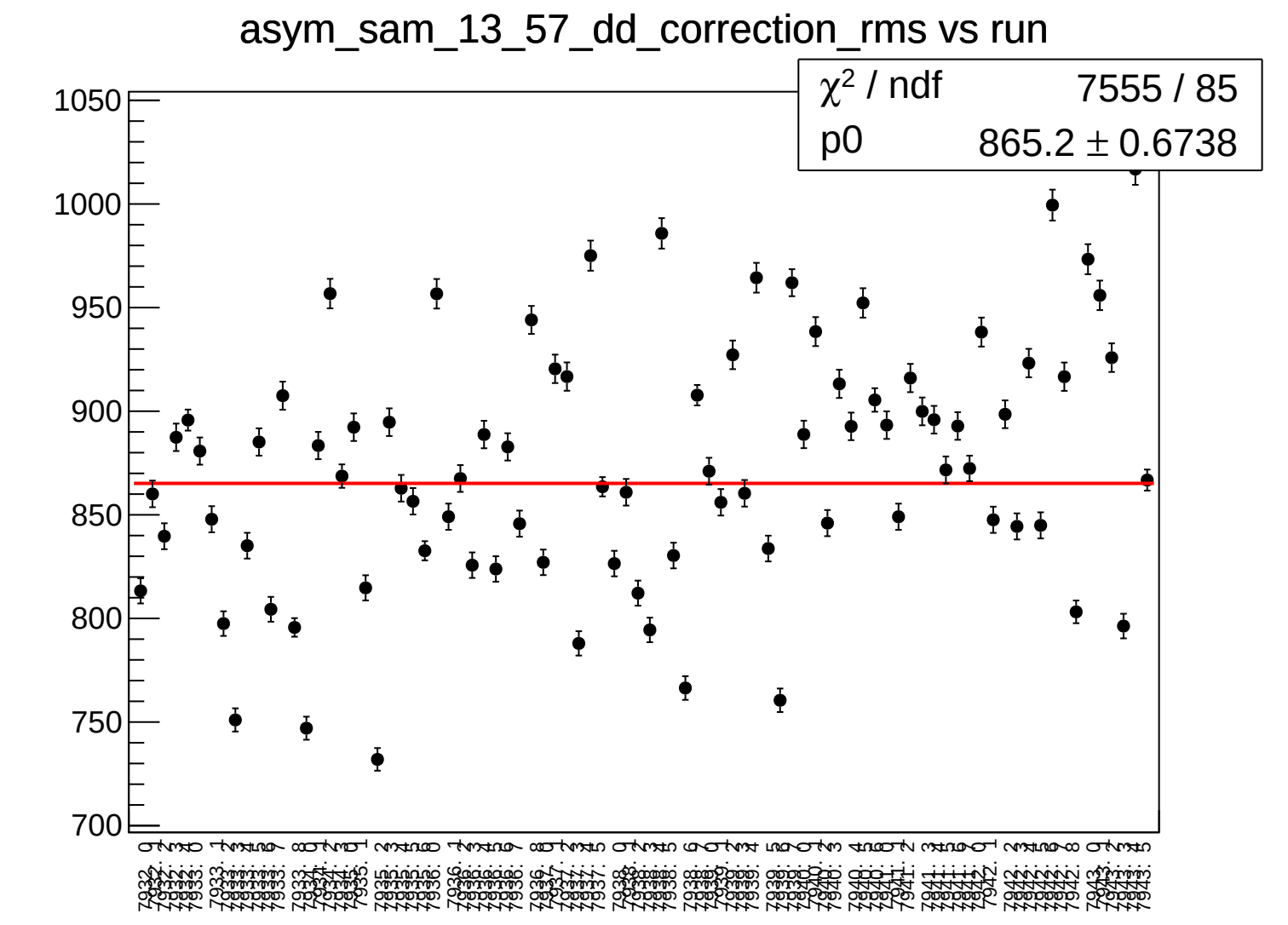

asym_sam_48_dd_rms vs run
χ^2 / ndf 884.9 / 85
p0 2374 ± 1.845
2600
2550
2500
2450
2400
2350
2300
2250

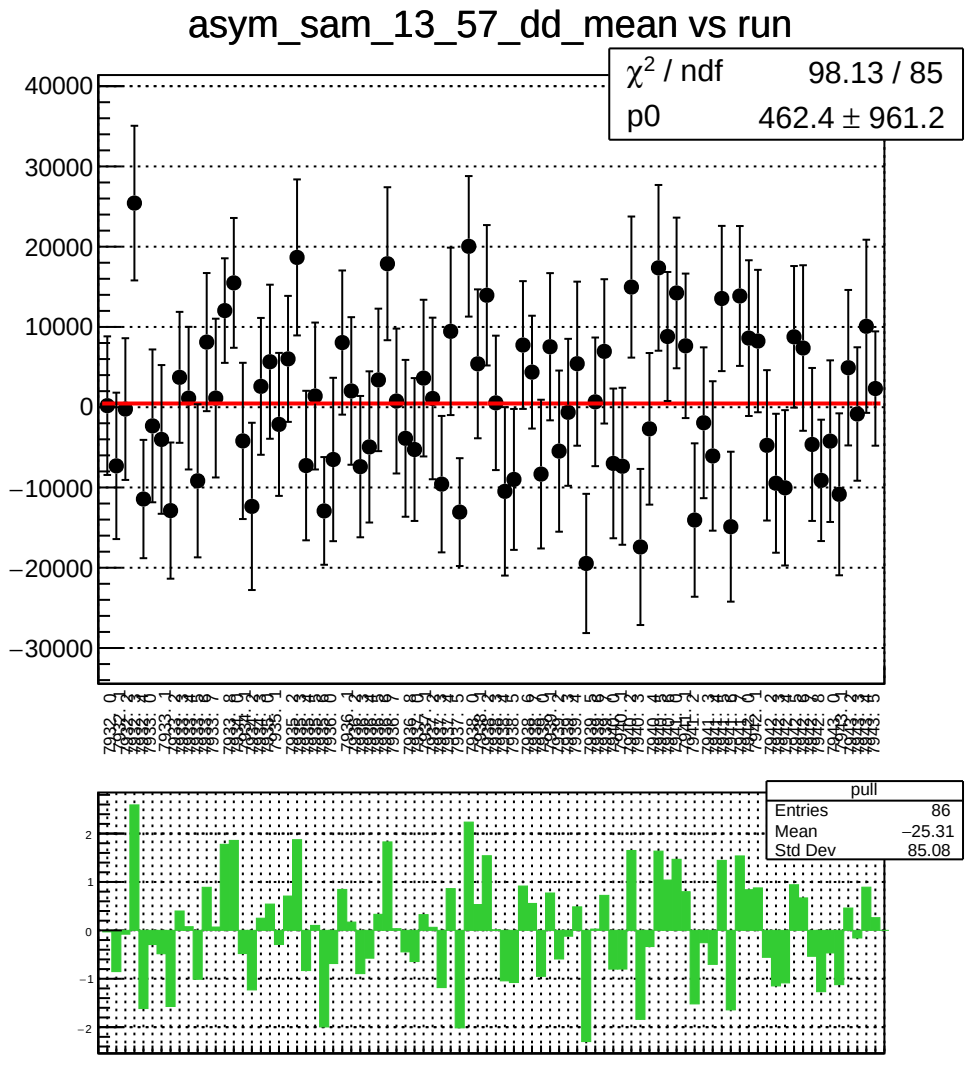

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 90.64 / 85
p0 206.4 ± 109.8
4000
2000
0
−2000
−4000
pull
Entries 86
Mean 59.16
Std Dev 81.78
3
2
1
0
−1
−2
−3

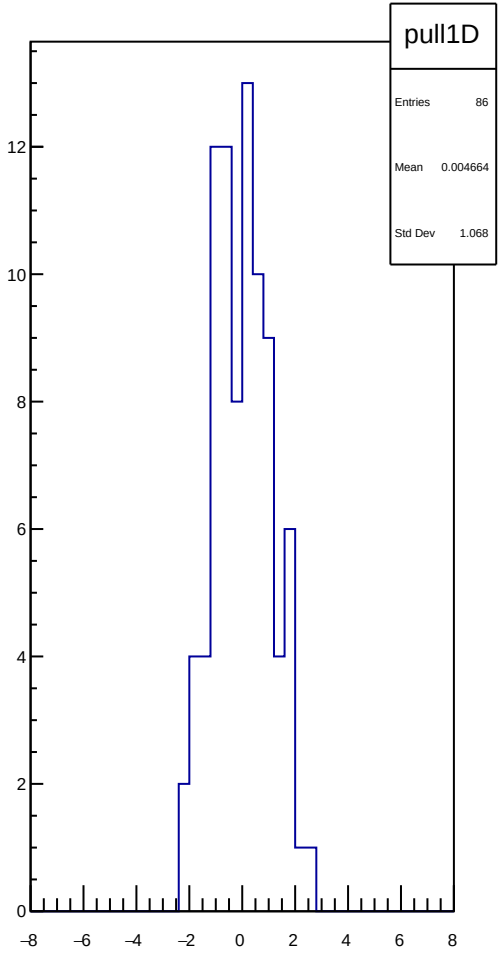

pull1D
Entries 86
Mean 0.01041
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

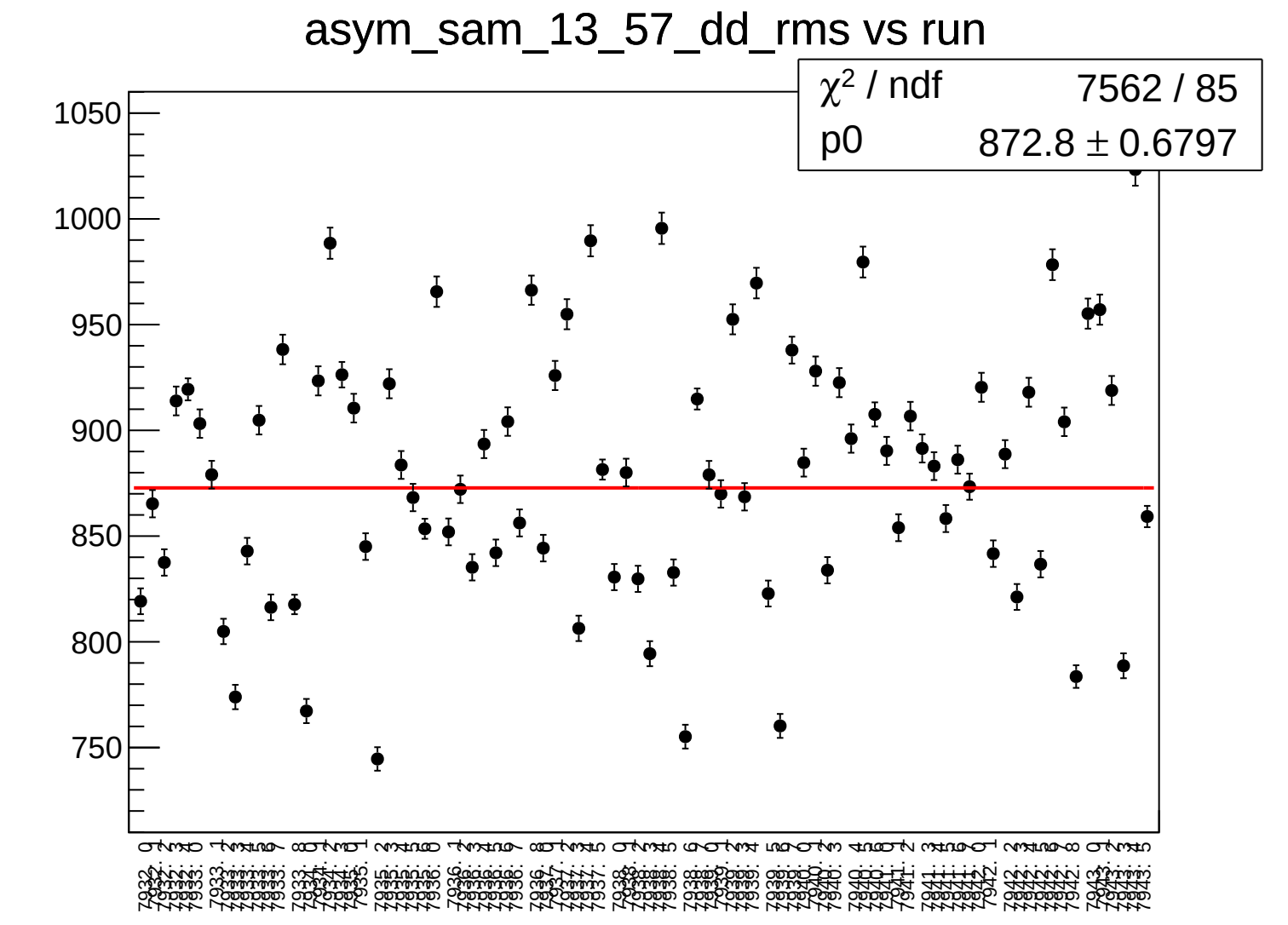

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 6250 / 85
p0 99.72 ± 0.07763
125
120
115
110
105
100
95
90
85

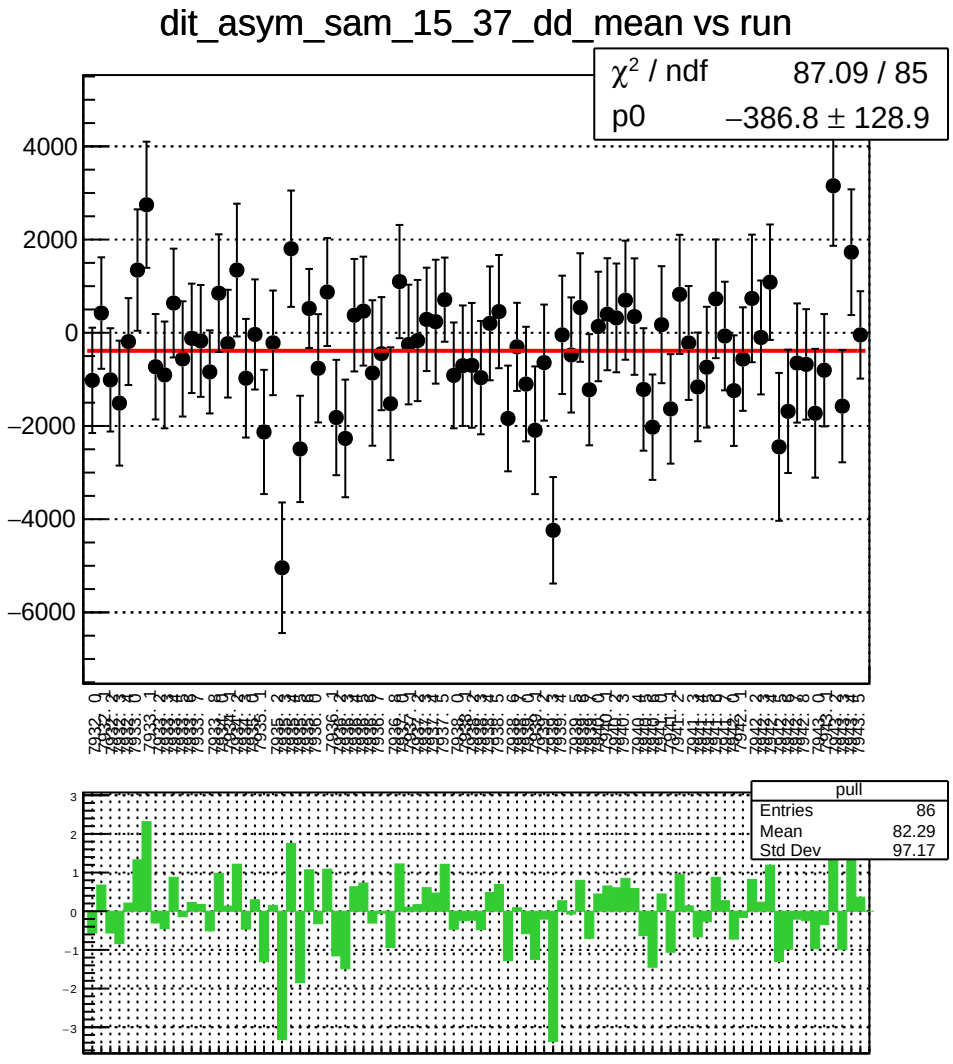

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 93.04 / 85
p0 −187.8 ± 952.8
pull
Entries 86
Mean −19.79
Std Dev 70.84
pull1D
Entries 86
Mean −0.004304
Std Dev 1.04

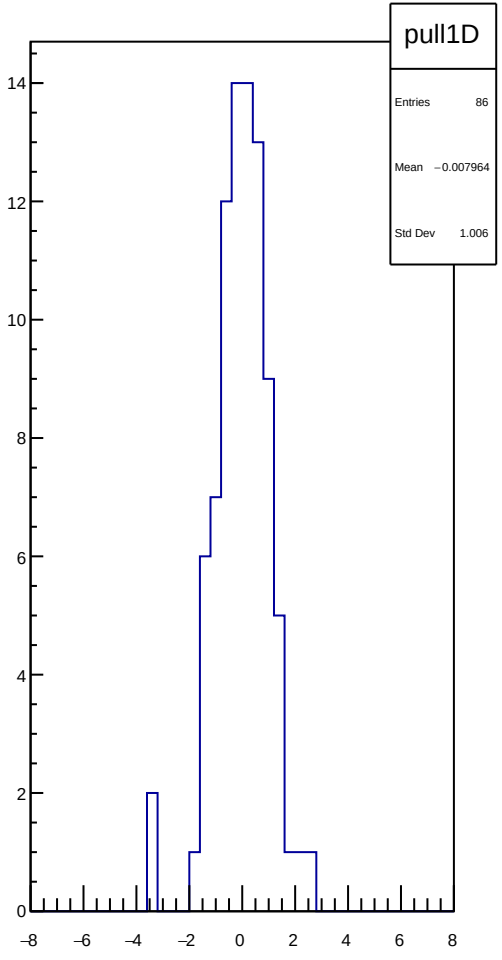

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 7555 / 85
p0 865.2 ± 0.6738
1050
1000
950
900
850
800
750
700

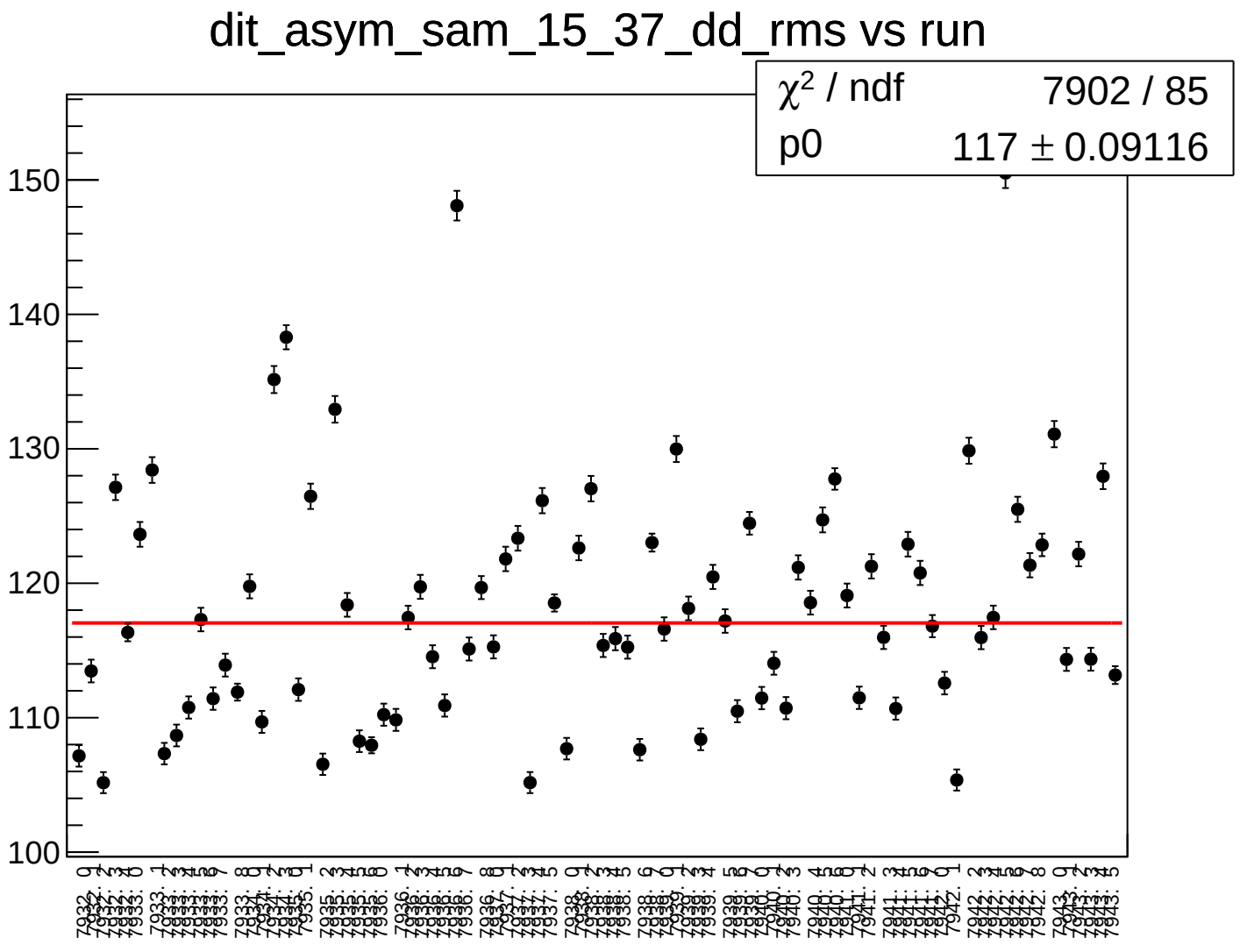

asym_sam_13_57_dd_mean vs run
χ² / ndf 98.13 / 85
p0 462.4 ± 961.2
pull
Entries 86
Mean −25.31
Std Dev 85.08

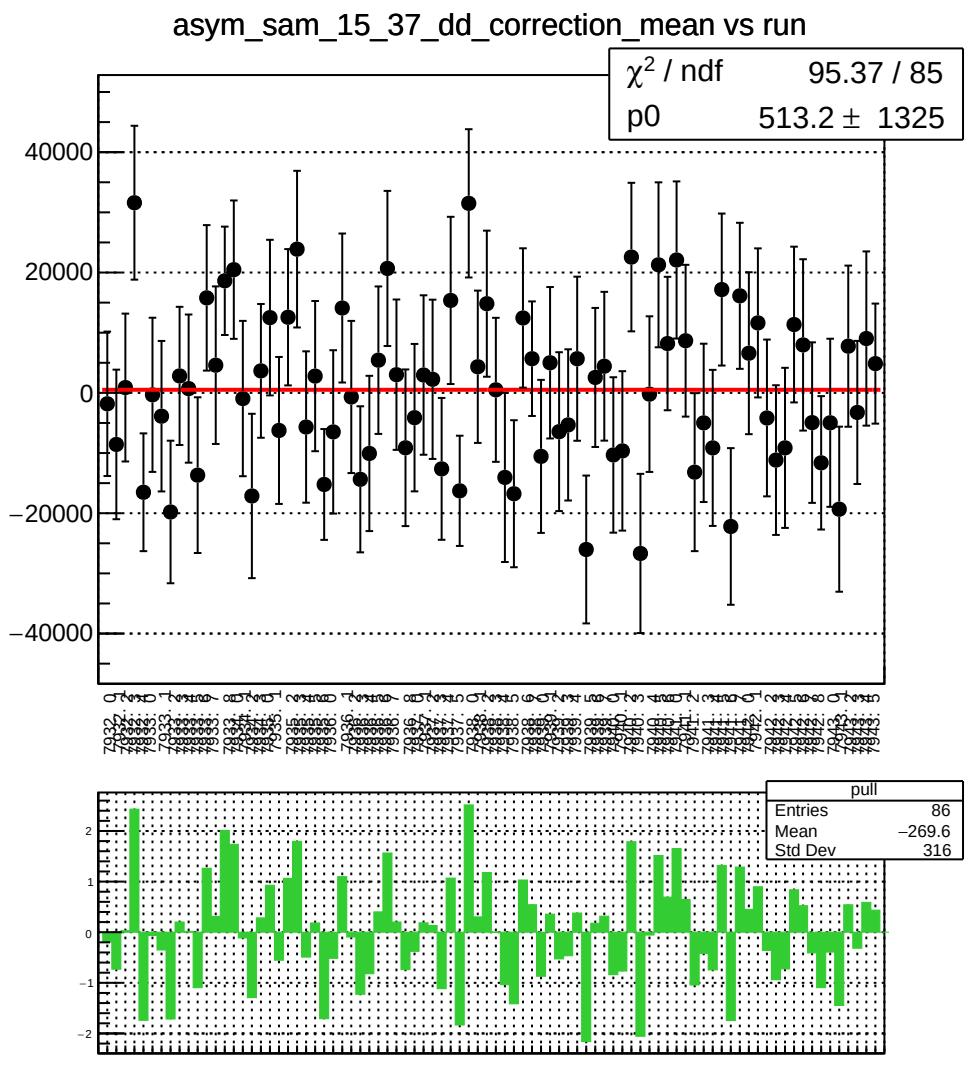

pull1D
Entries 86
Mean 0.004664
Std Dev 1.068

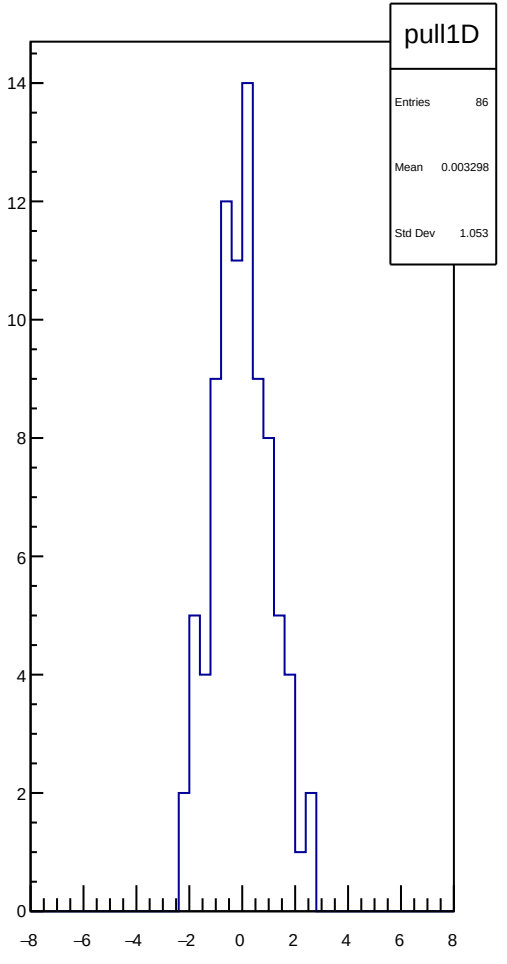

asym_sam_13_57_dd_rms vs run
χ² / ndf 7562 / 85
p0 872.8 ± 0.6797
1050
1000
950
900
850
800
750

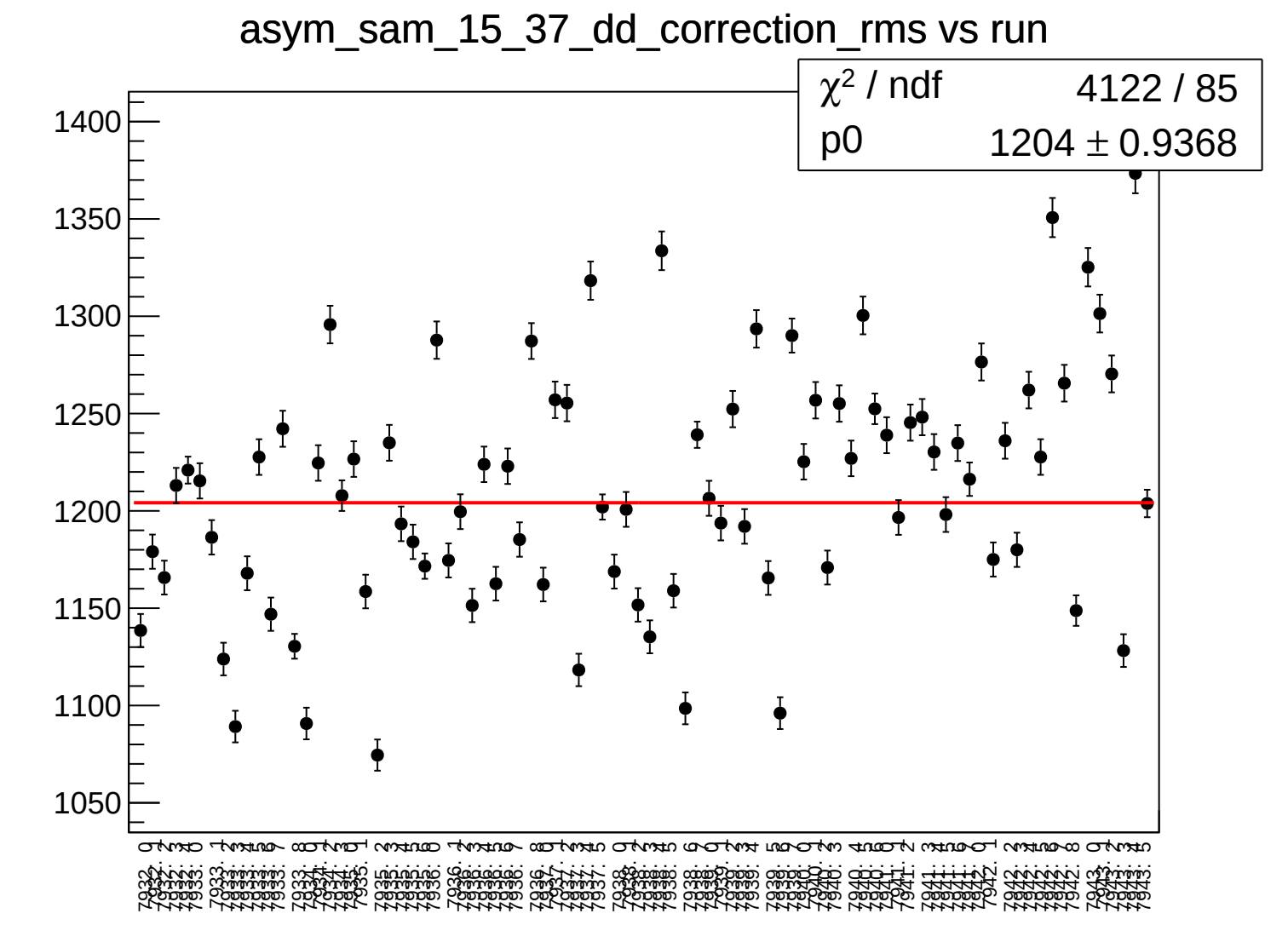

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 87.09 / 85
p0 −386.8 ± 128.9
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 82.29
Std Dev 97.17
3
2
1
0
−1
−2
−3

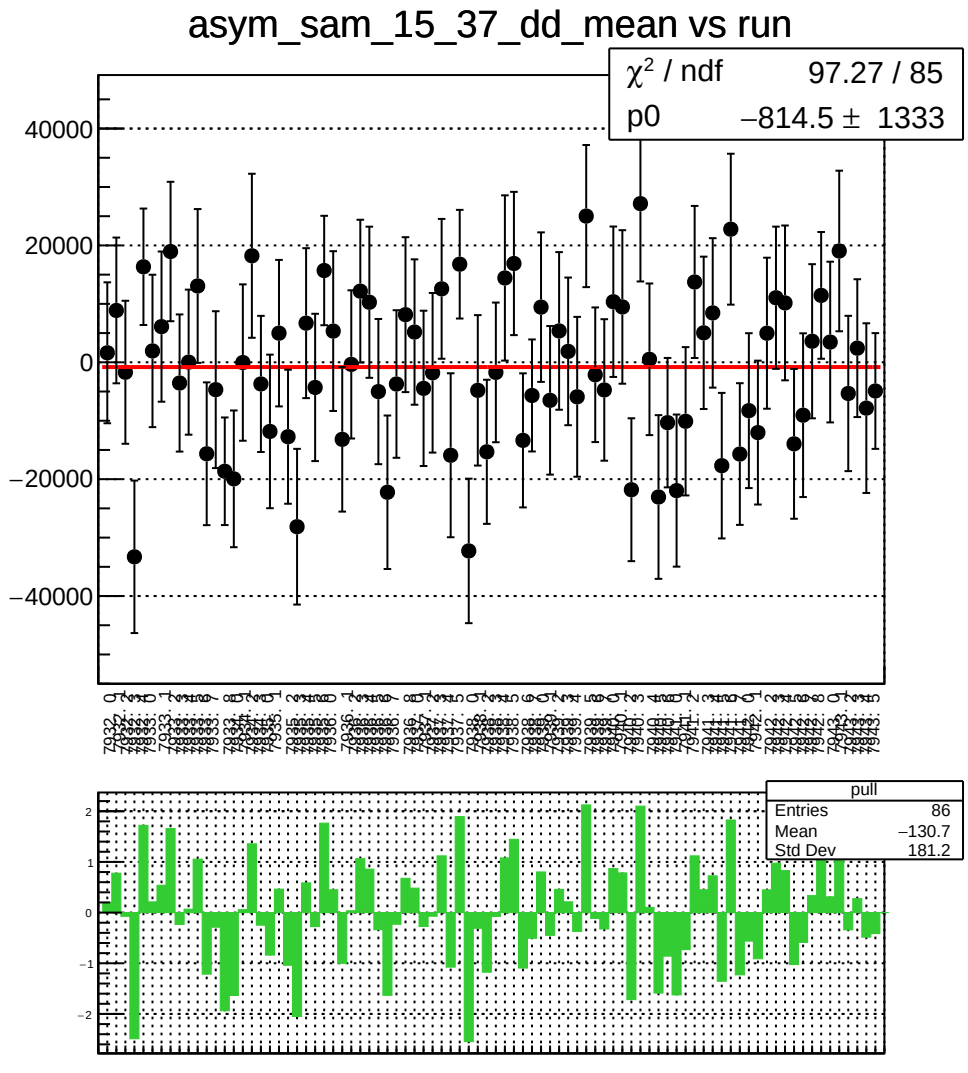

pull1D
Entries 86
Mean −0.007964
Std Dev 1.006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

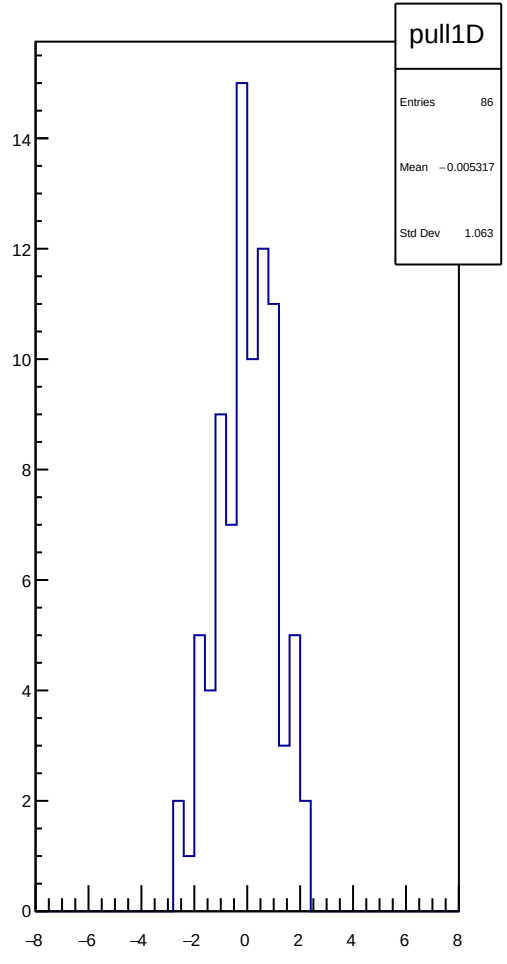

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 7902 / 85
p0 117 ± 0.09116
150
140
130
120
110
100

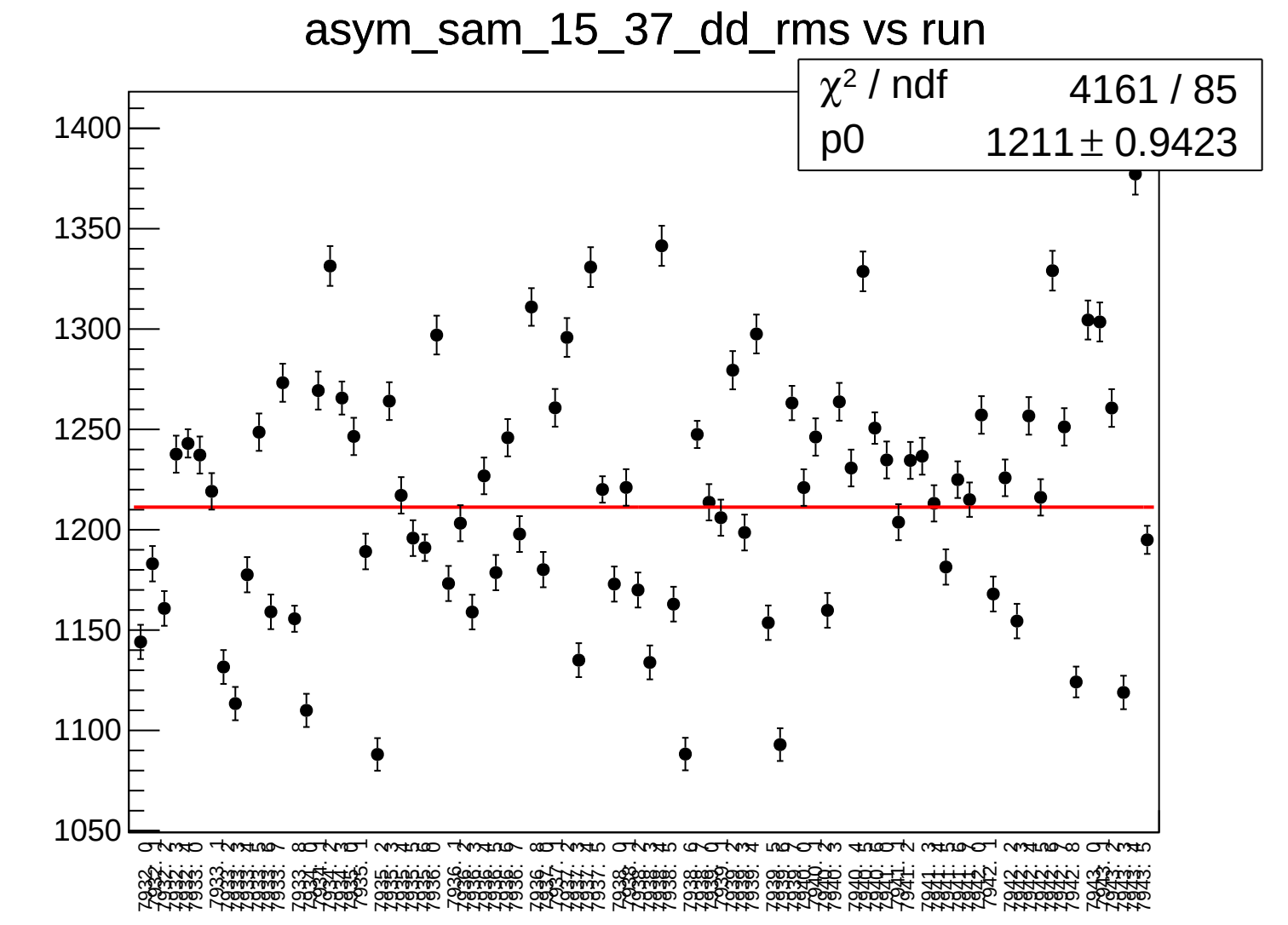

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 95.37 / 85
p0 513.2 ± 1325
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −269.6
Std Dev 316
2
1
0
−1
−2

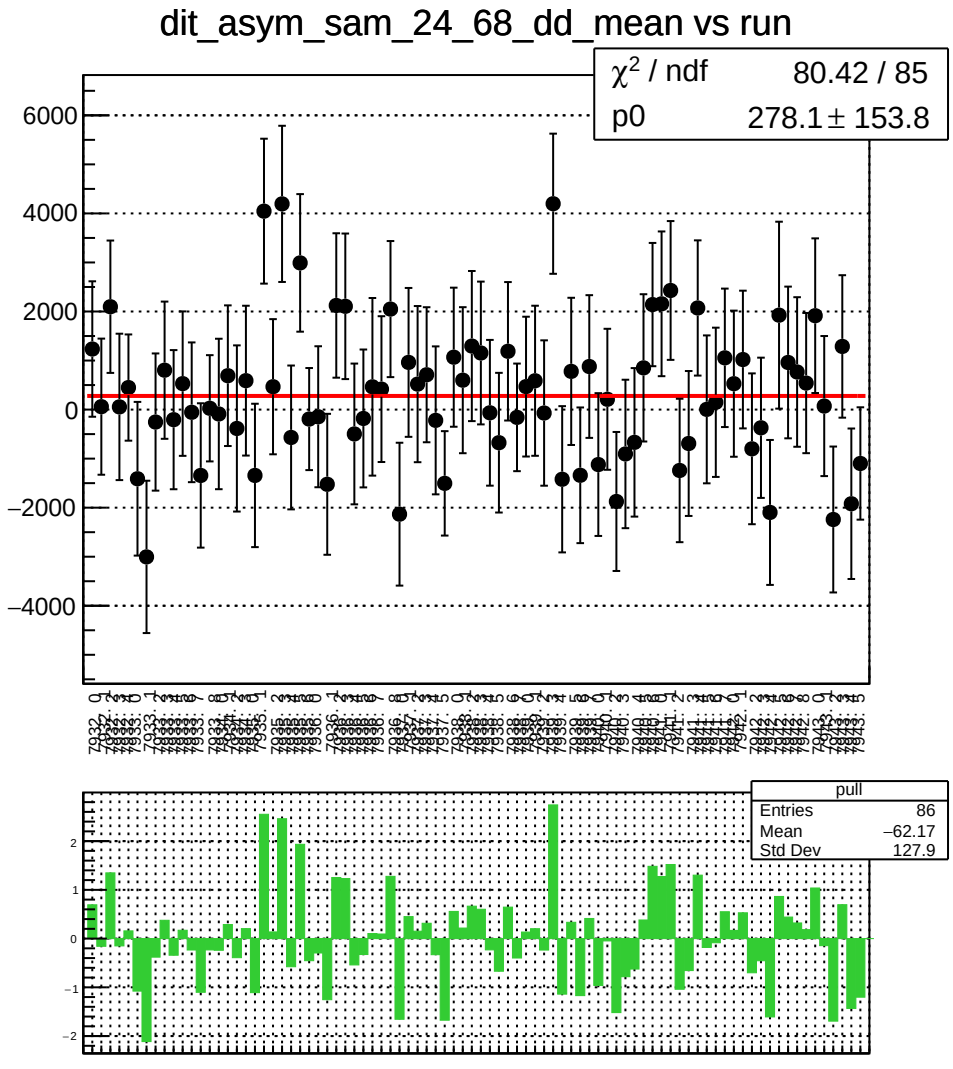

pull1D
Entries 86
Mean 0.003298
Std Dev 1.053
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

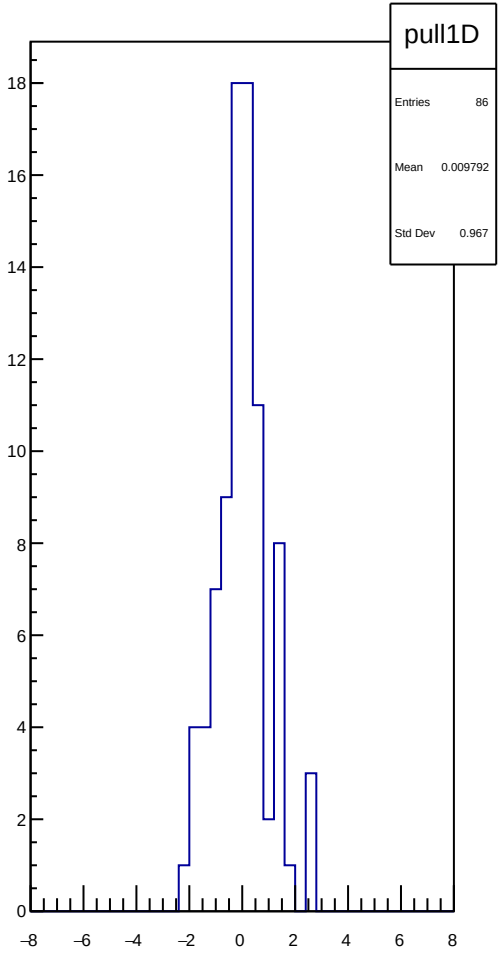

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 4122 / 85
p0 1204 ± 0.9368
1400
1350
1300
1250
1200
1150
1100
1050

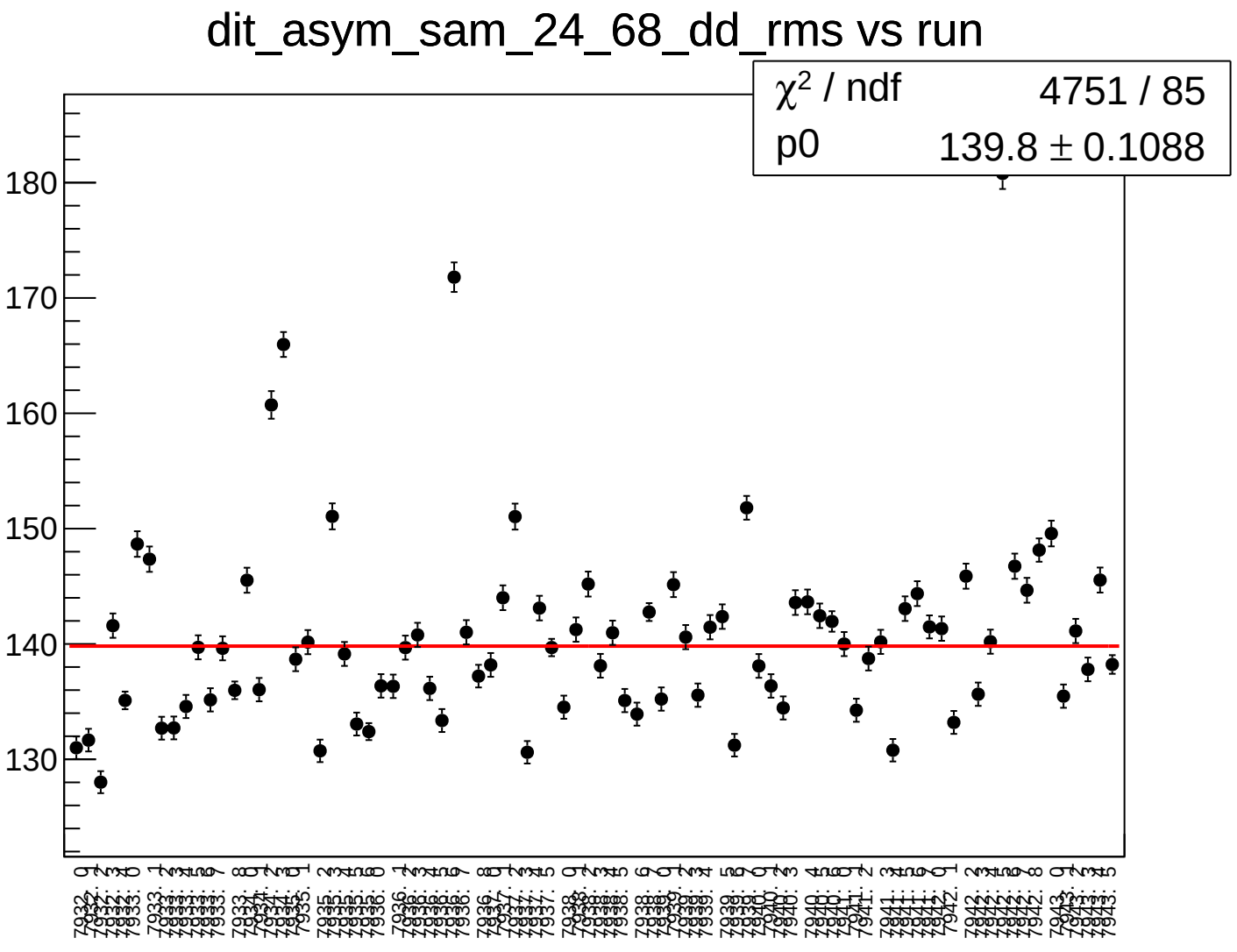

asym_sam_15_37_dd_mean vs run
χ² / ndf 97.27 / 85
p0 −814.5 ± 1333
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −130.7
Std Dev 181.2
2
1
0
−1
−2

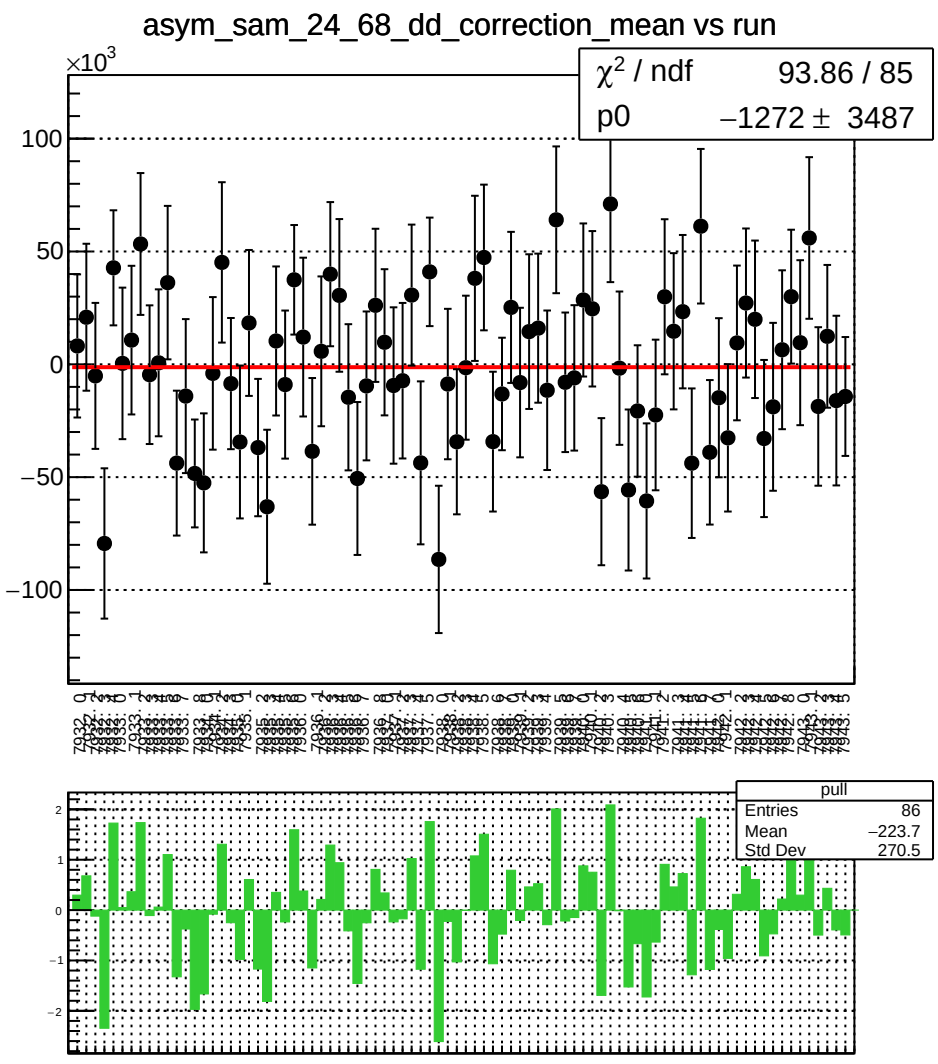

pull1D
Entries 86
Mean −0.005317
Std Dev 1.063
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

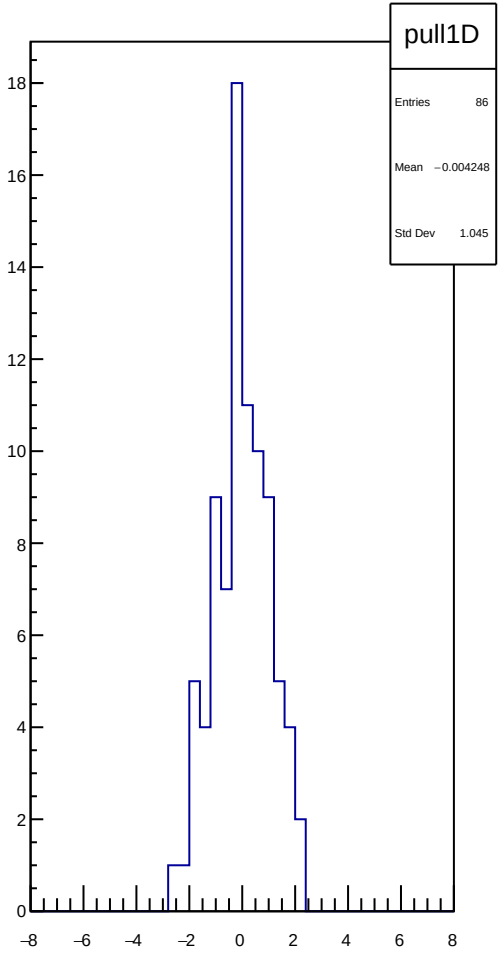

asym_sam_15_37_dd_rms vs run
χ² / ndf 4161 / 85
p0 1211 ± 0.9423
1400
1350
1300
1250
1200
1150
1100
1050

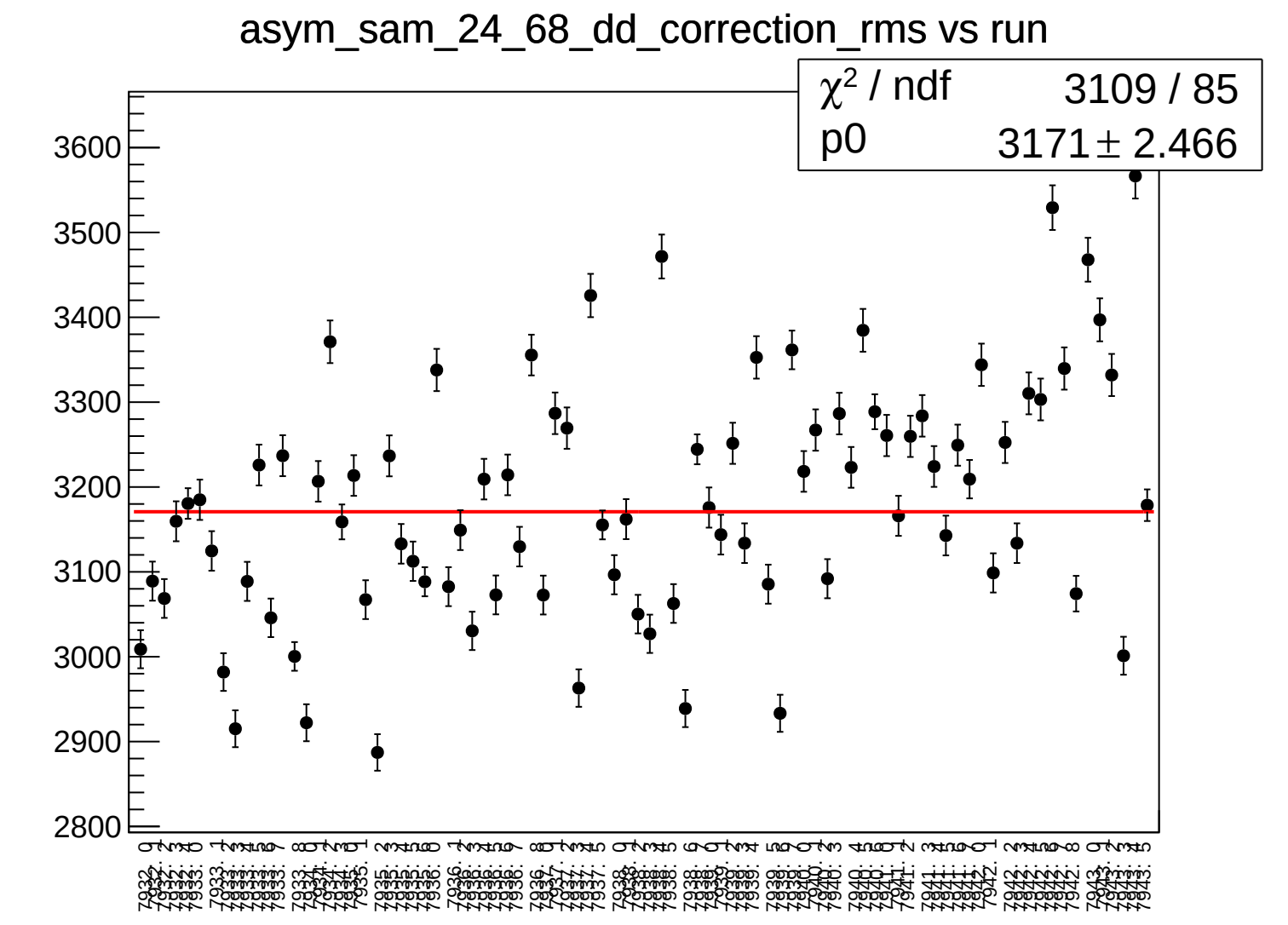

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 80.42 / 85
p0 278.1 ± 153.8
6000
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −62.17
Std Dev 127.9
2
1
0
−1
−2

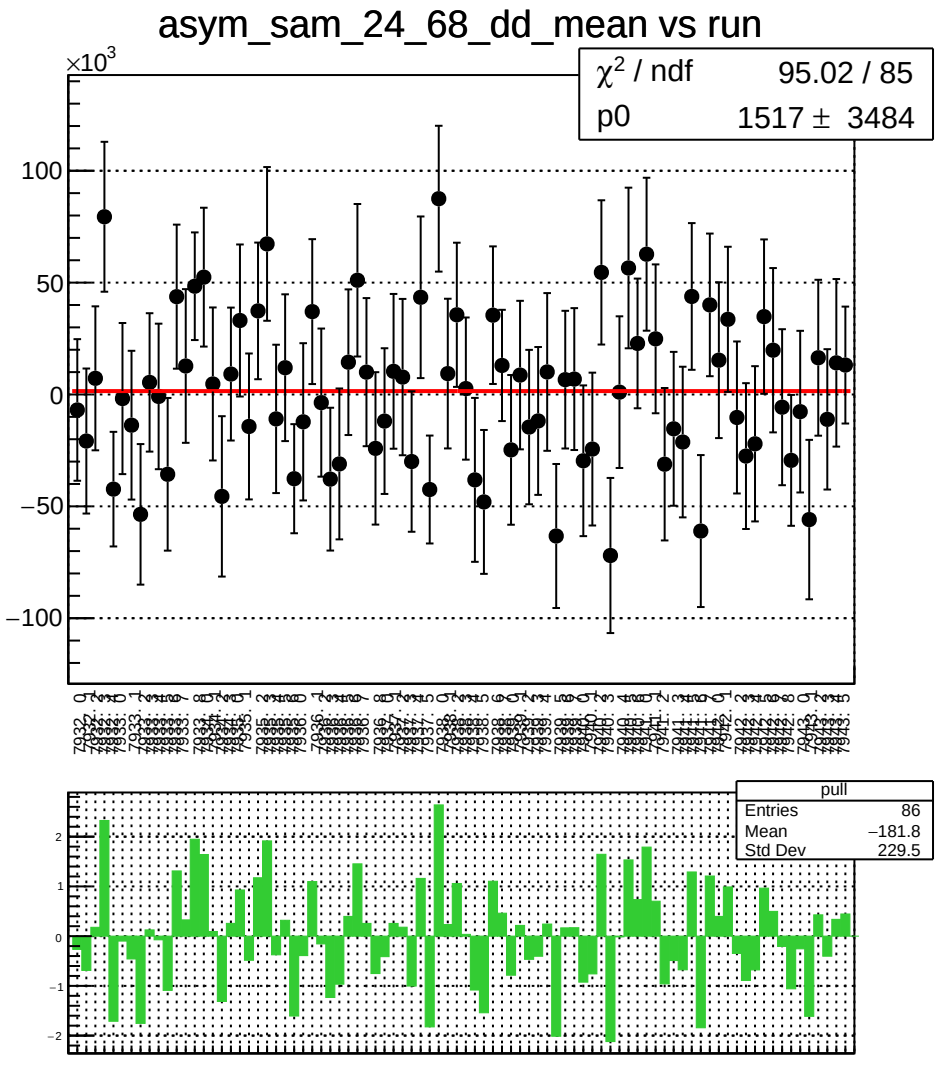

pull1D
Entries 86
Mean 0.009792
Std Dev 0.967
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

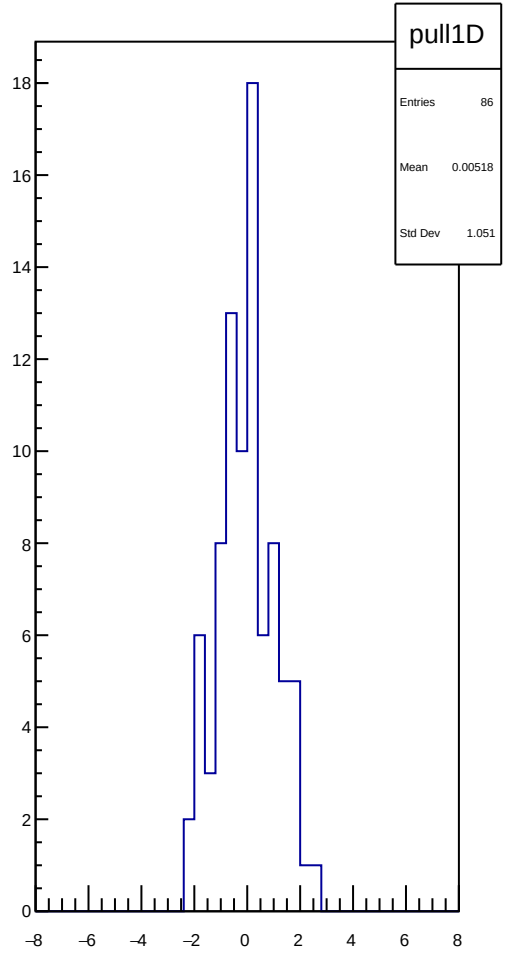

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 4751 / 85
p0 139.8 ± 0.1088
180
170
160
150
140
130

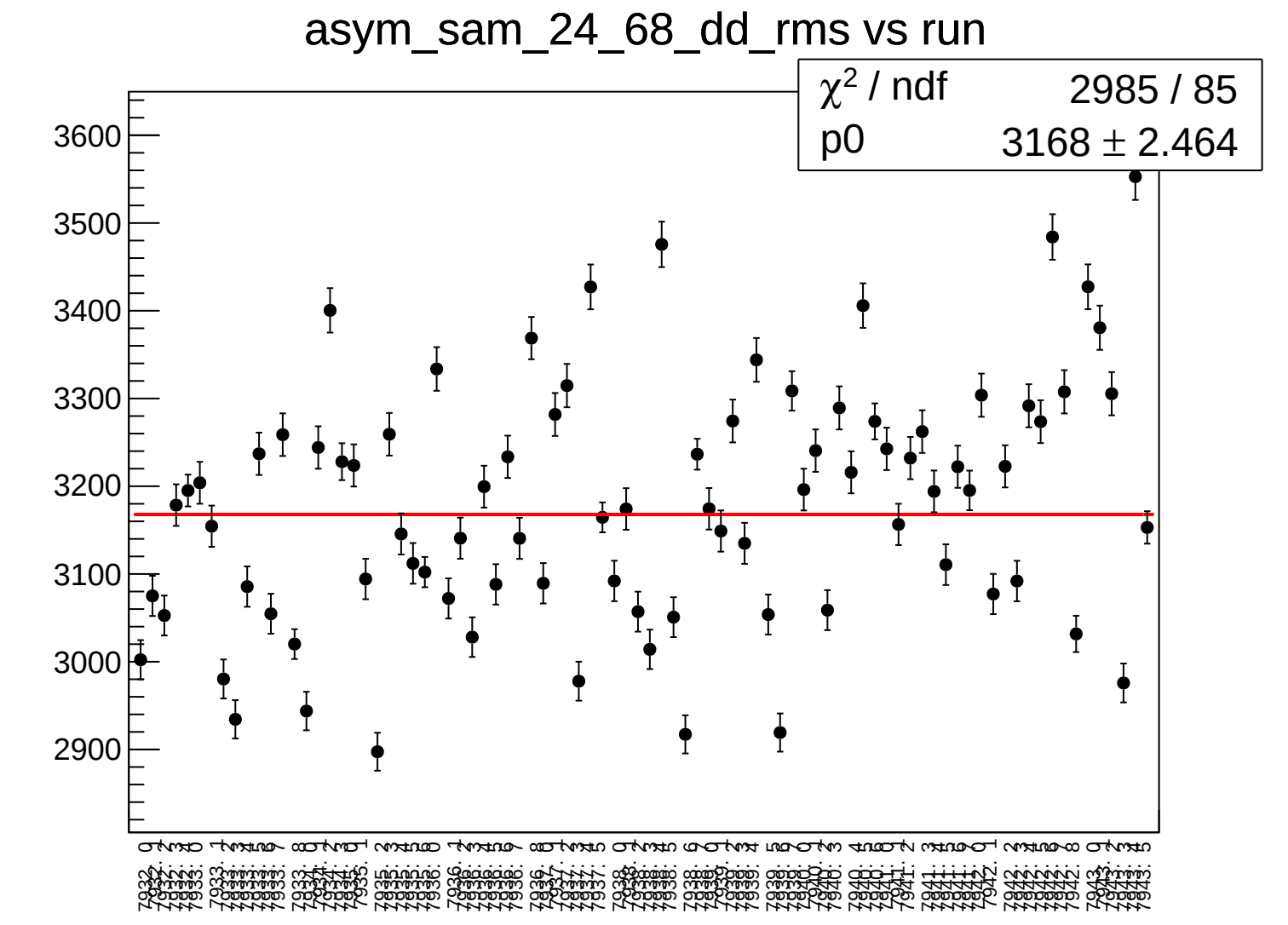

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 93.86 / 85
p0 −1272 ± 3487
100
50
0
−50
−100
pull
Entries 86
Mean −223.7
Std Dev 270.5
2
1
0
−1
−2

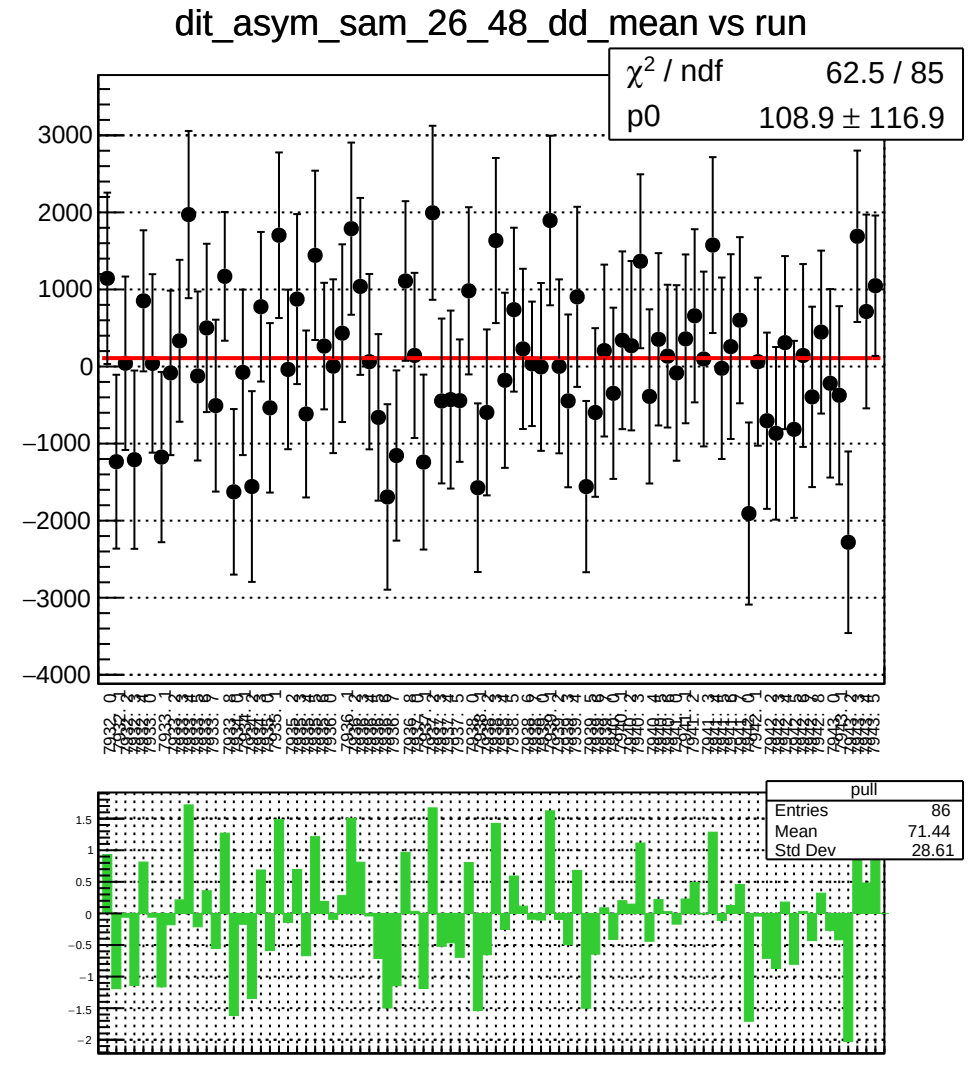

pull1D
Entries 86
Mean −0.004248
Std Dev 1.045
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

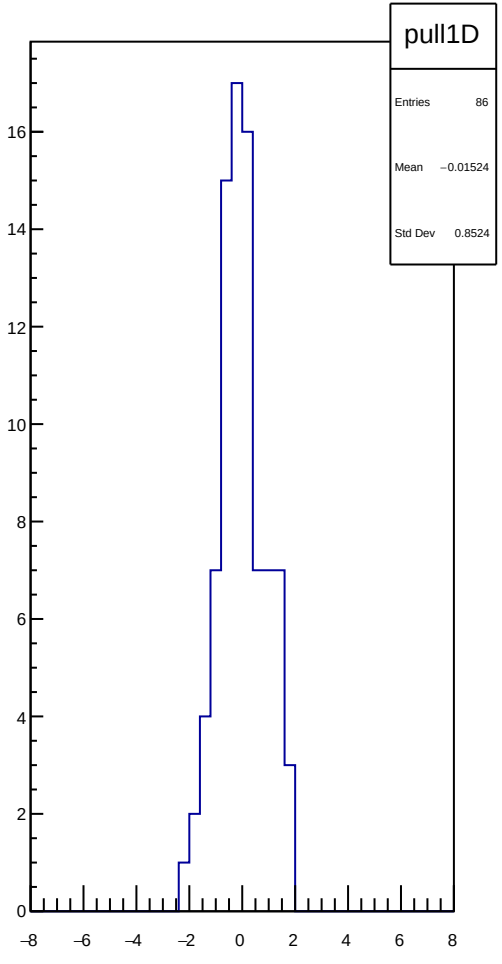

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3109 / 85
p0 3171 ± 2.466
3600
3500
3400
3300
3200
3100
3000
2900
2800

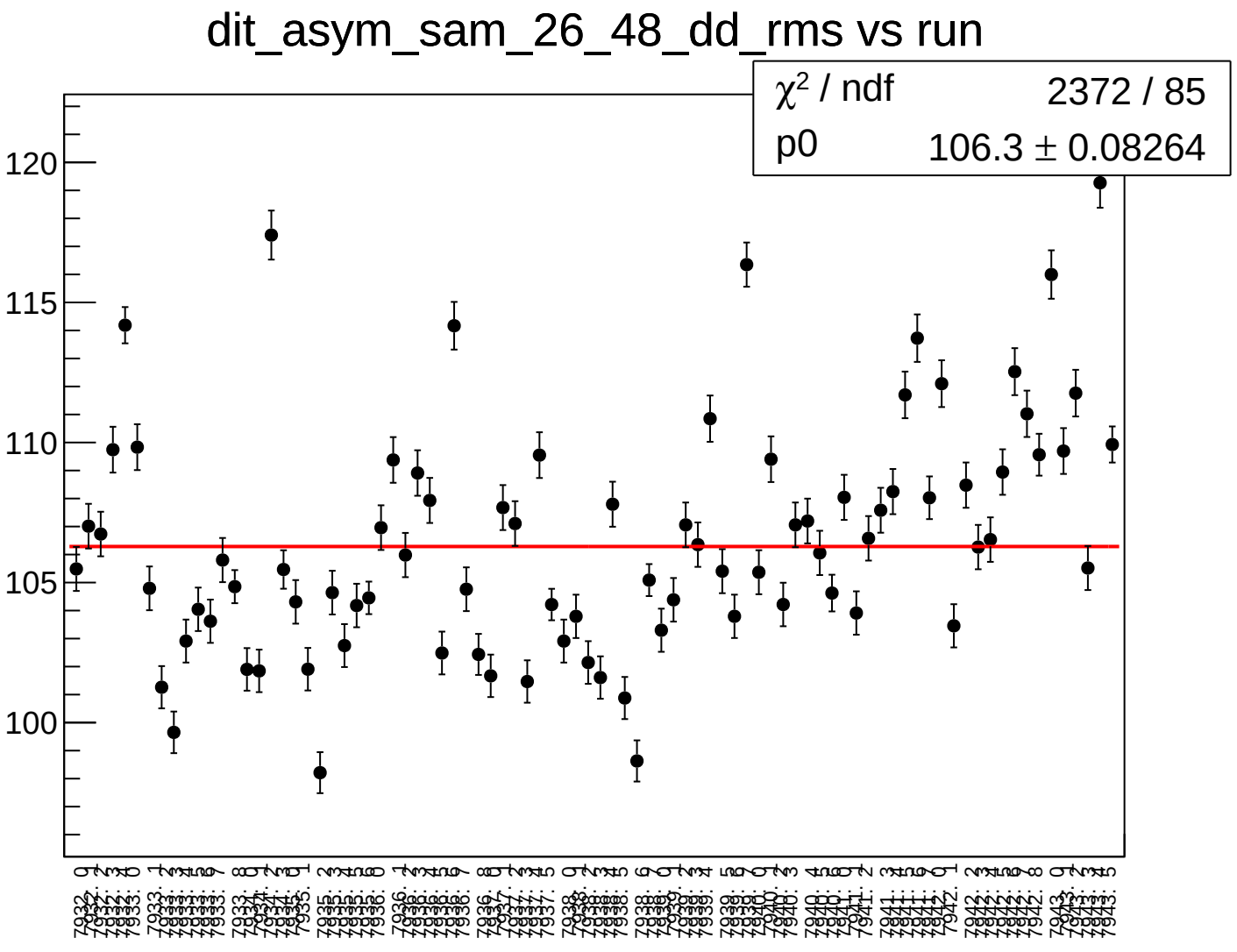

asym_sam_24_68_dd_mean vs run
×10^3
χ² / ndf 95.02 / 85
p0 1517 ± 3484
100
50
0
−50
−100
pull
Entries 86
Mean −181.8
Std Dev 229.5
2
1
0
−1
−2

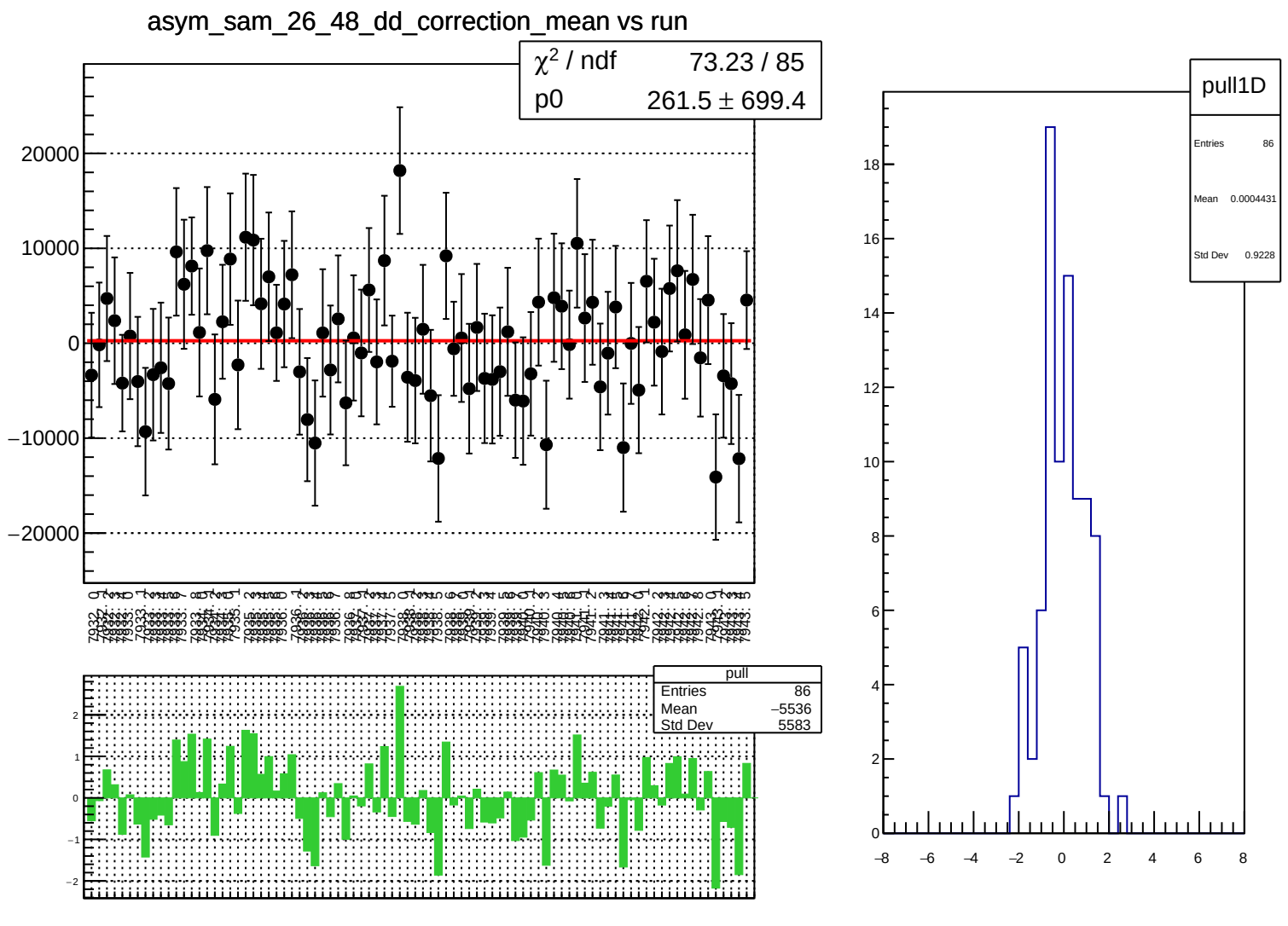

pull1D
Entries 86
Mean 0.00518
Std Dev 1.051
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

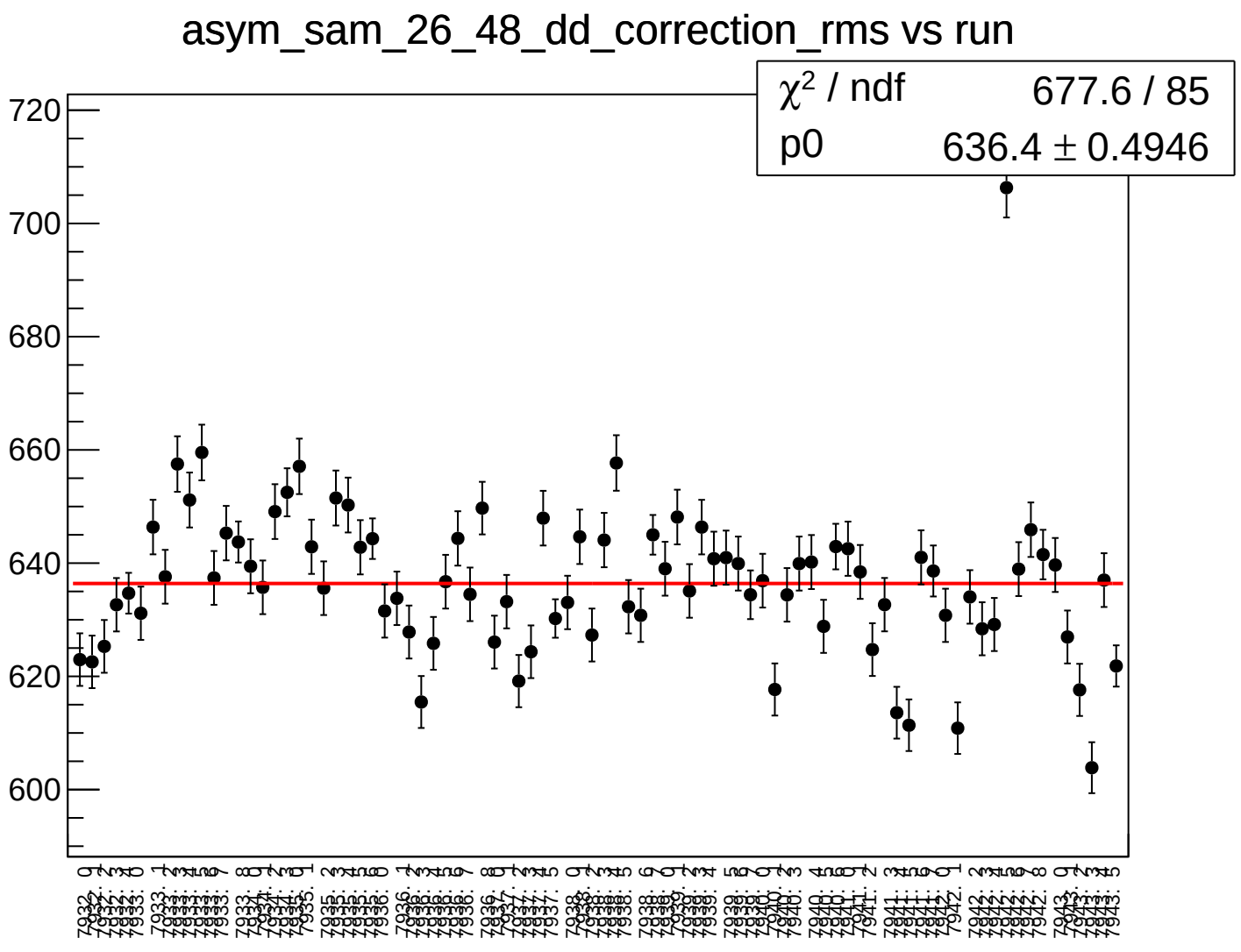

asym_sam_24_68_dd_rms vs run
χ² / ndf 2985 / 85
p0 3168 ± 2.464
3600
3500
3400
3300
3200
3100
3000
2900

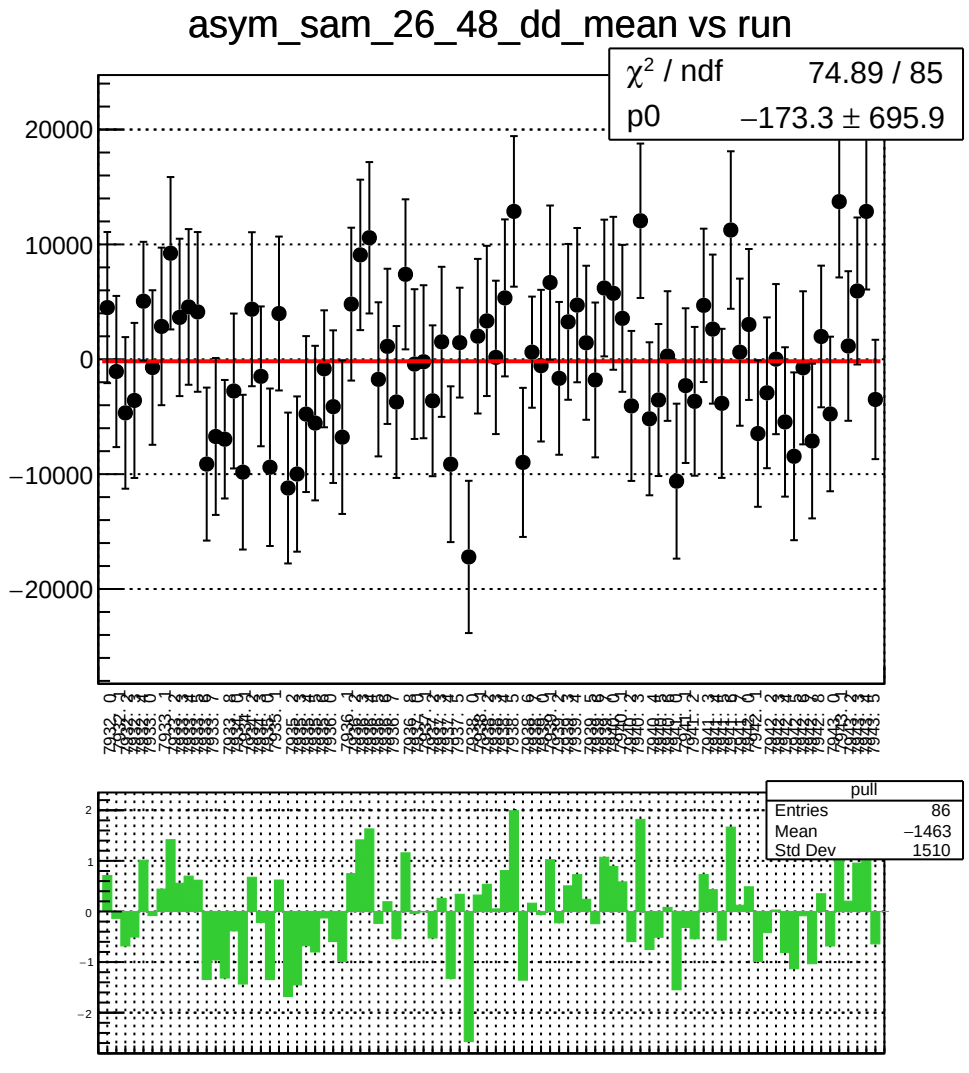

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 62.5 / 85
p0 108.9 ± 116.9
pull
Entries 86
Mean 71.44
Std Dev 28.61

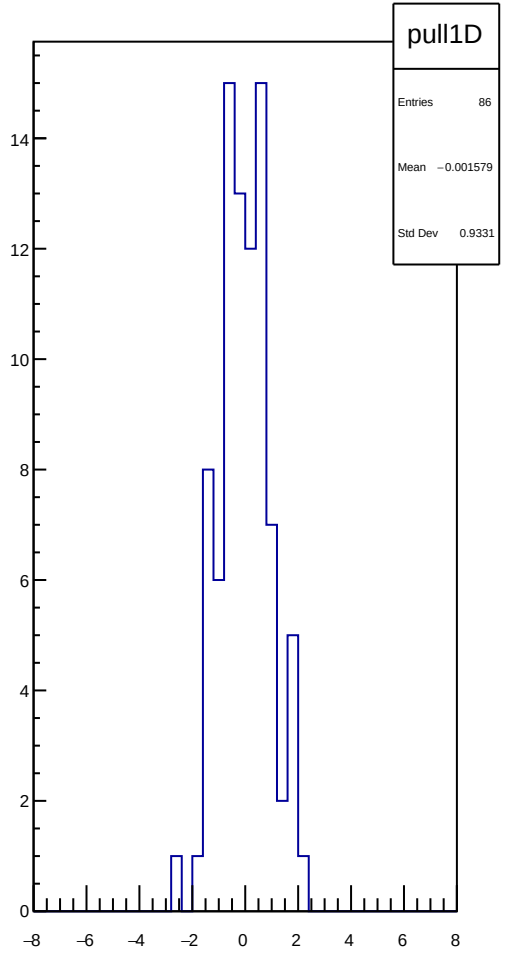

pull1D
Entries 86
Mean −0.01524
Std Dev 0.8524

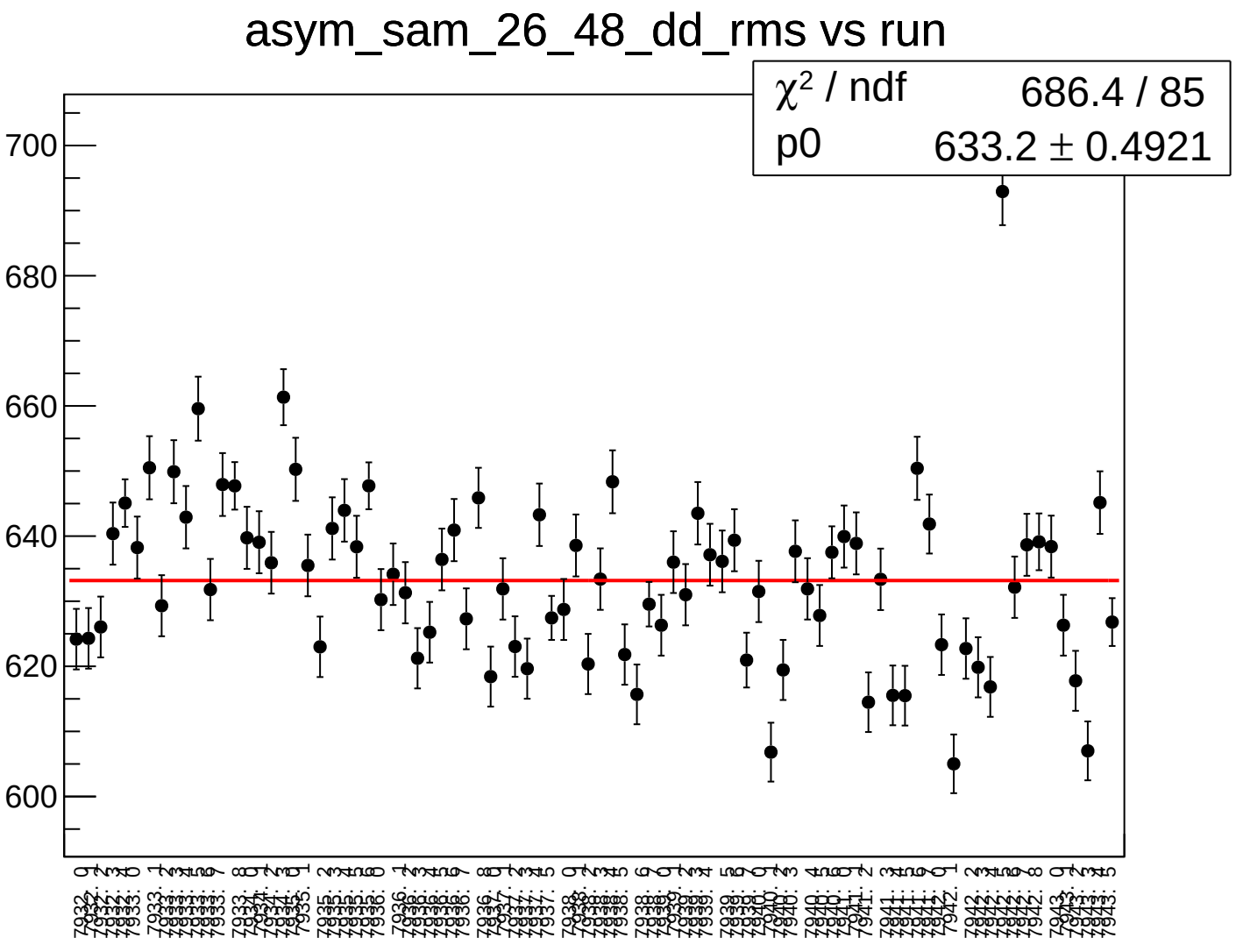

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2372 / 85
p0 106.3 ± 0.08264
120
115
110
105
100

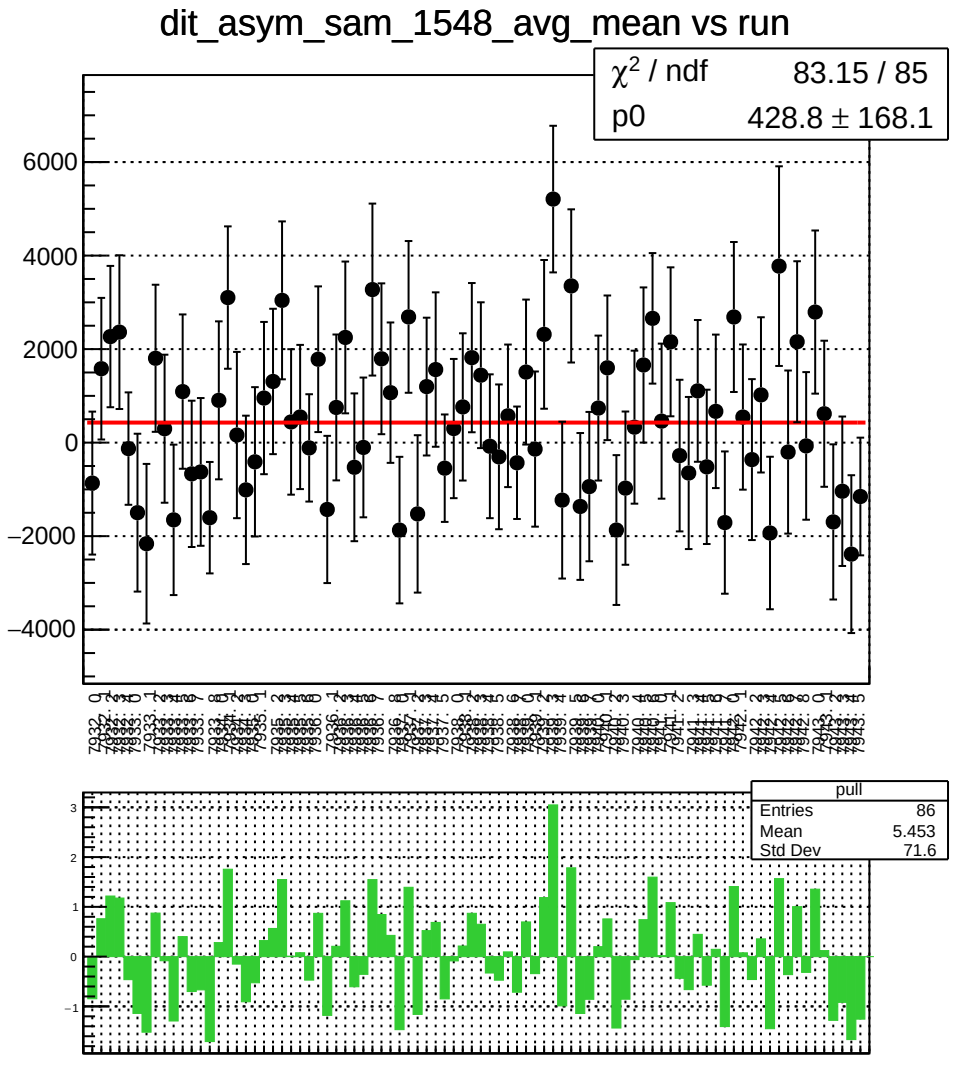

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 73.23 / 85
p0 261.5 ± 699.4
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −5536
Std Dev 5583
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.0004431
Std Dev 0.9228
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

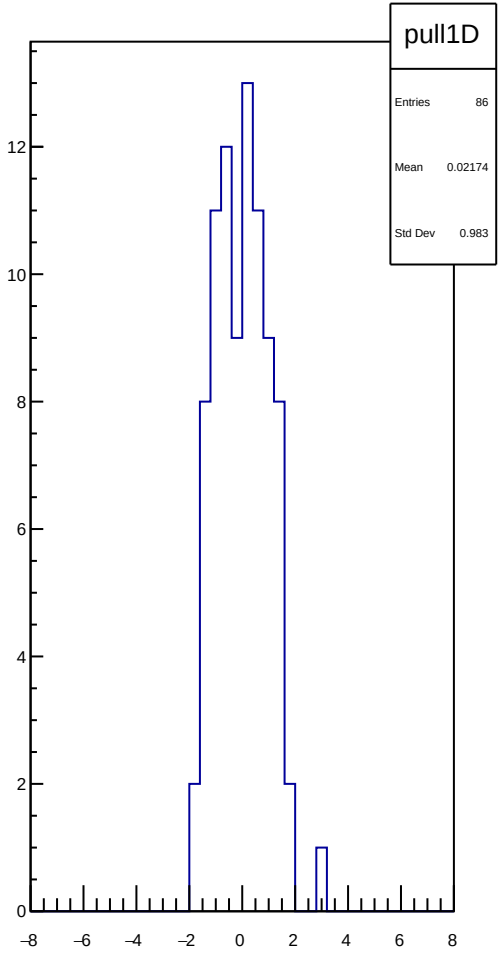

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 677.6 / 85
p0 636.4 ± 0.4946
720
700
680
660
640
620
600

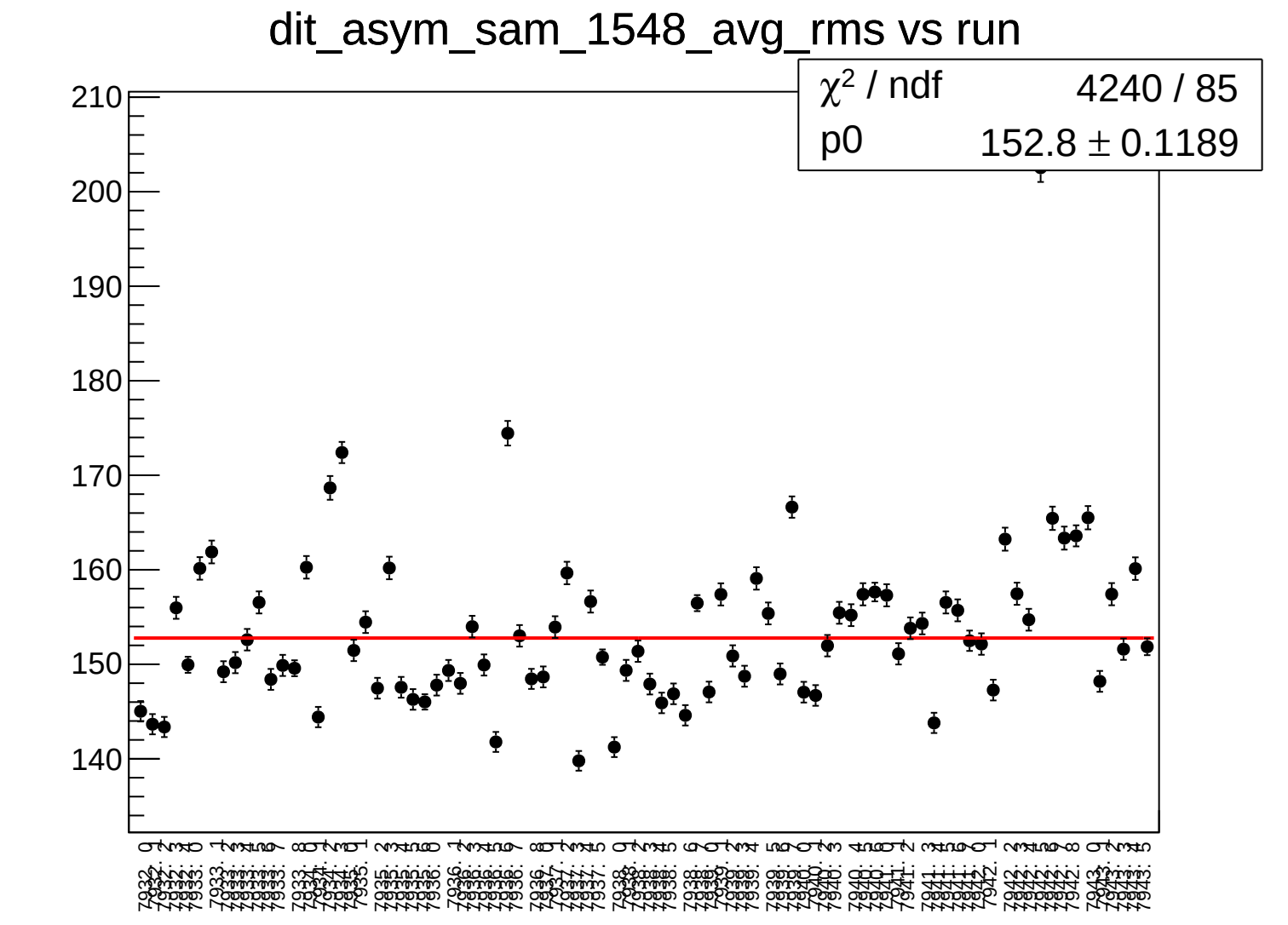

asym_sam_26_48_dd_mean vs run
χ² / ndf 74.89 / 85
p0 −173.3 ± 695.9
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −1463
Std Dev 1510
2
1
0
−1
−2

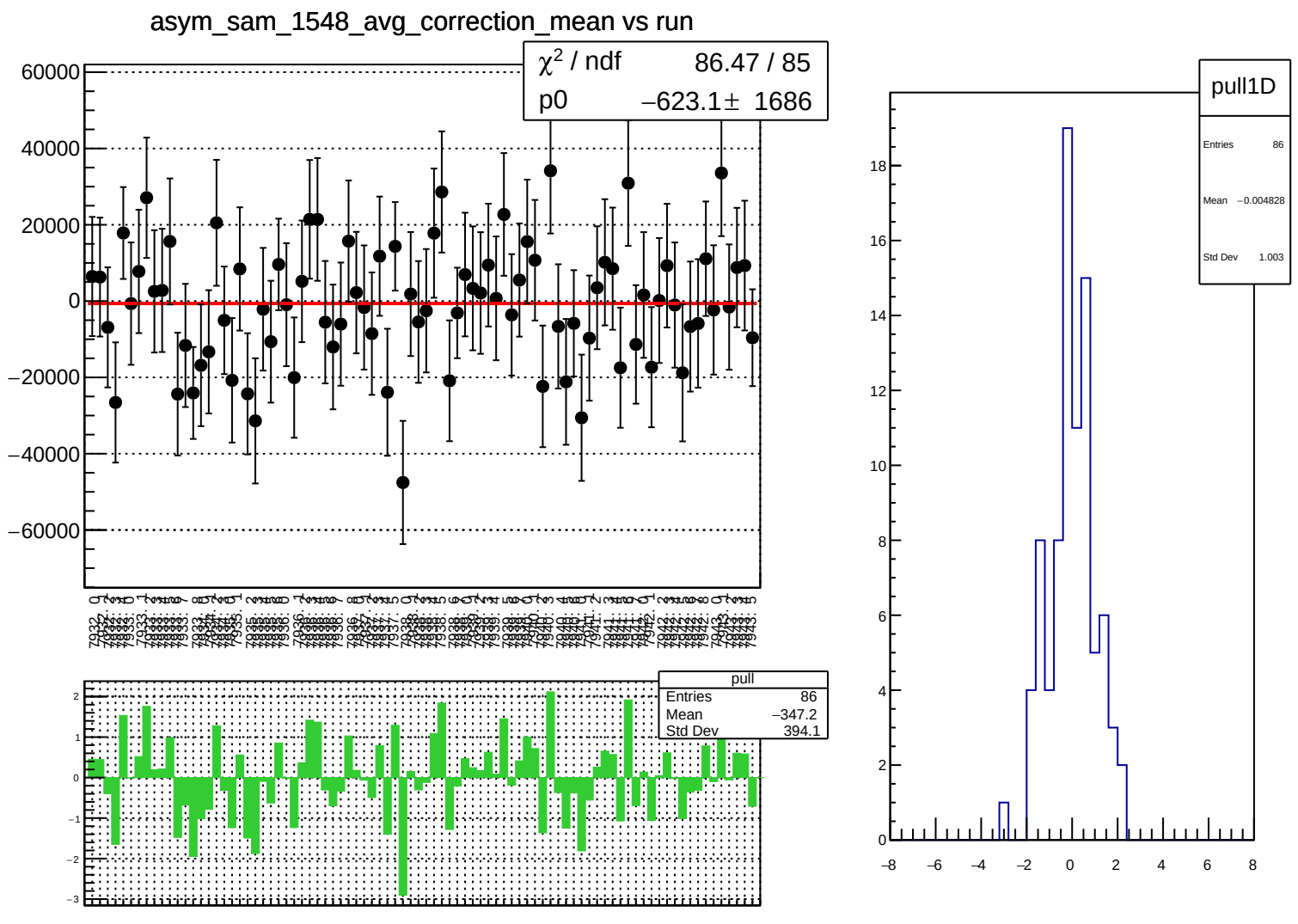

pull1D
Entries 86
Mean −0.001579
Std Dev 0.9331
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

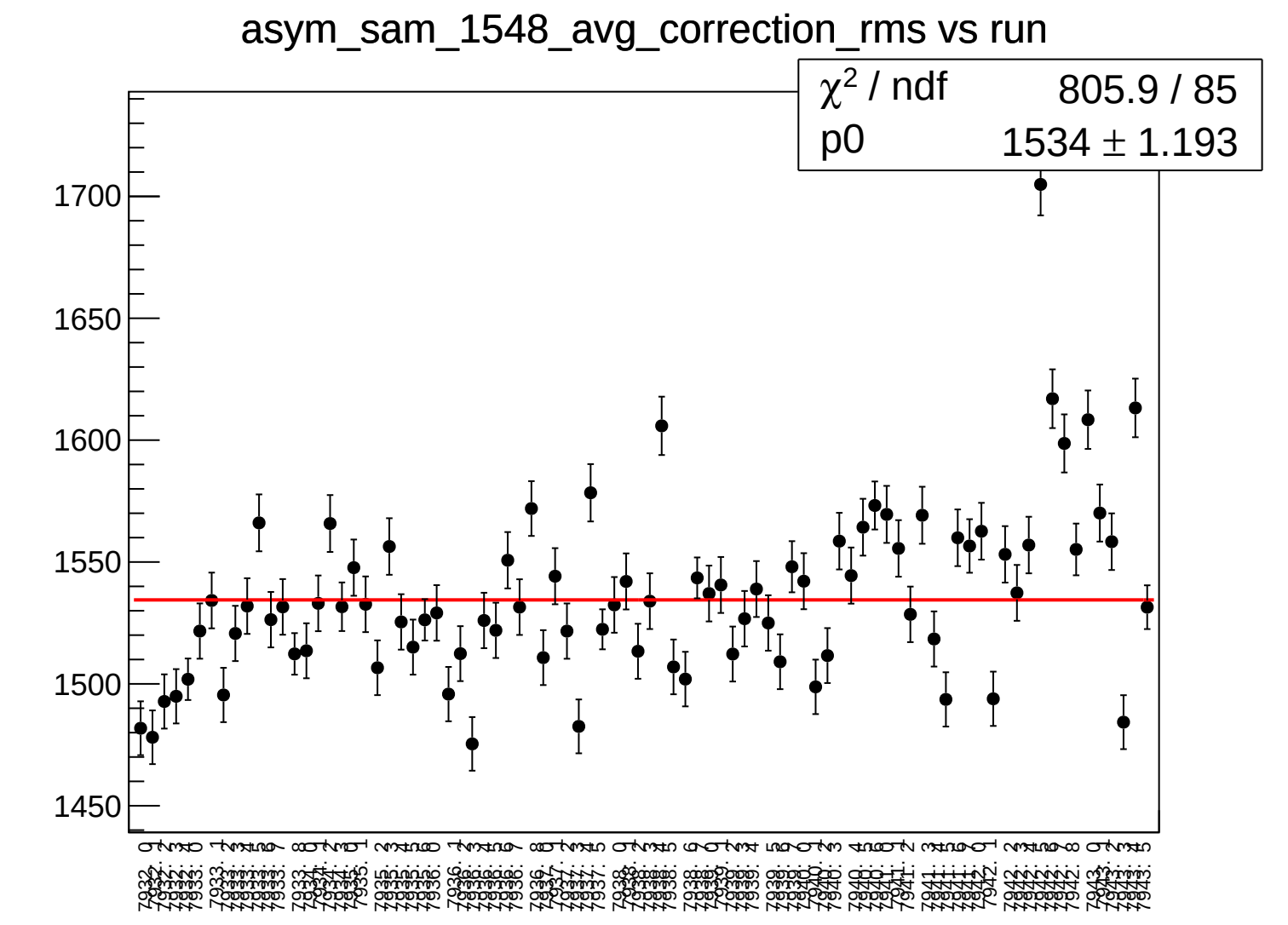

asym_sam_26_48_dd_rms vs run
χ² / ndf 686.4 / 85
p0 633.2 ± 0.4921
700
680
660
640
620
600

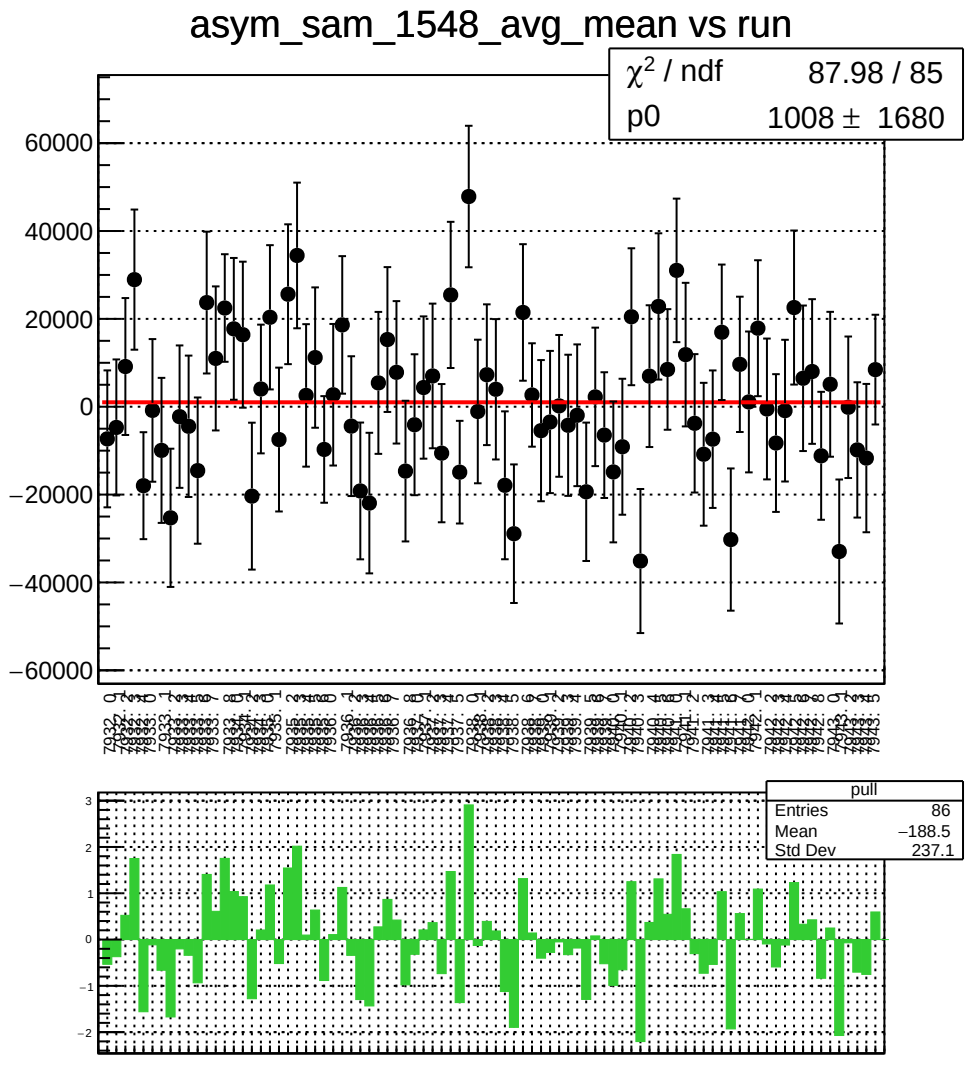

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 83.15 / 85
p0 428.8 ± 168.1
6000
4000
2000
0
−2000
−4000
pull
Entries 86
Mean 5.453
Std Dev 71.6
3
2
1
0
−1

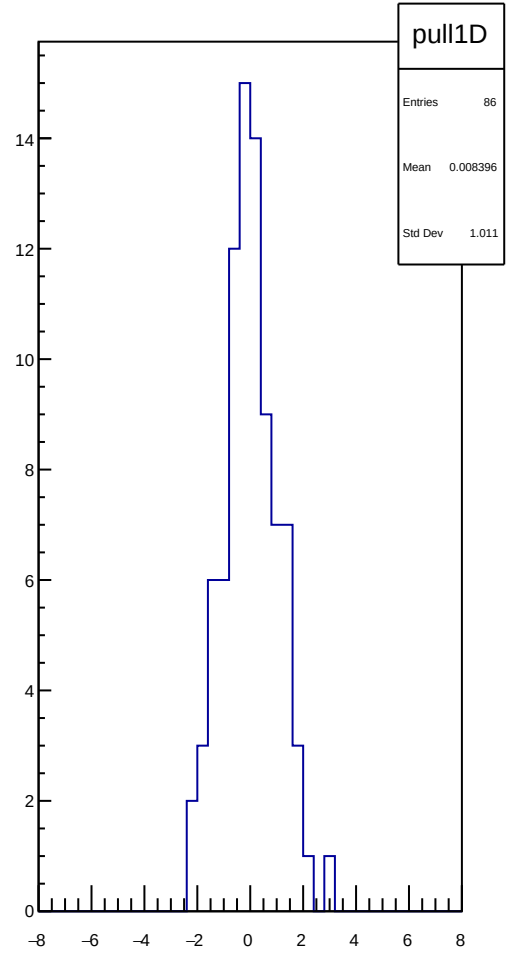

pull1D
Entries 86
Mean 0.02174
Std Dev 0.983
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

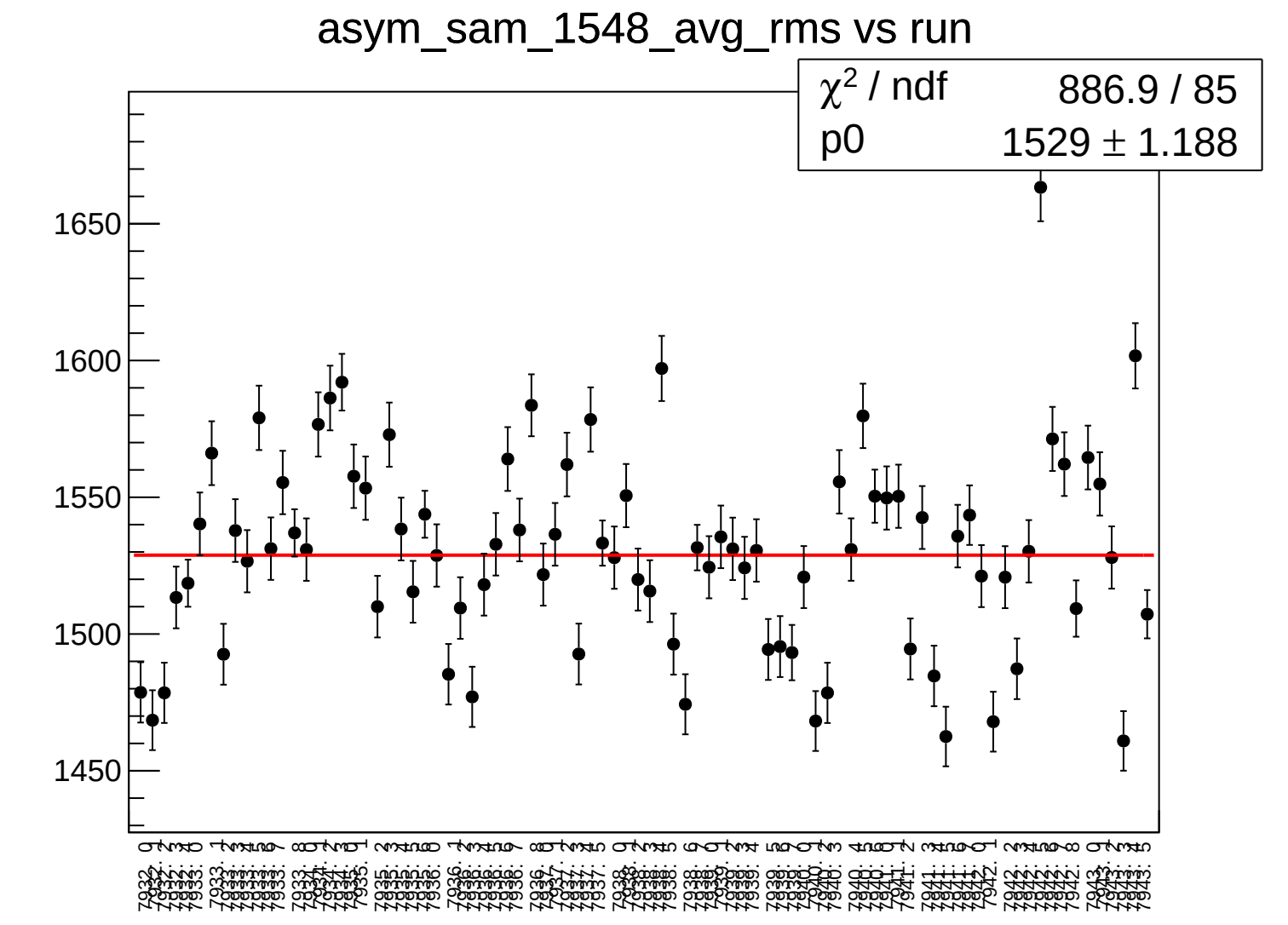

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 4240 / 85
p0 152.8 ± 0.1189
210
200
190
180
170
160
150
140

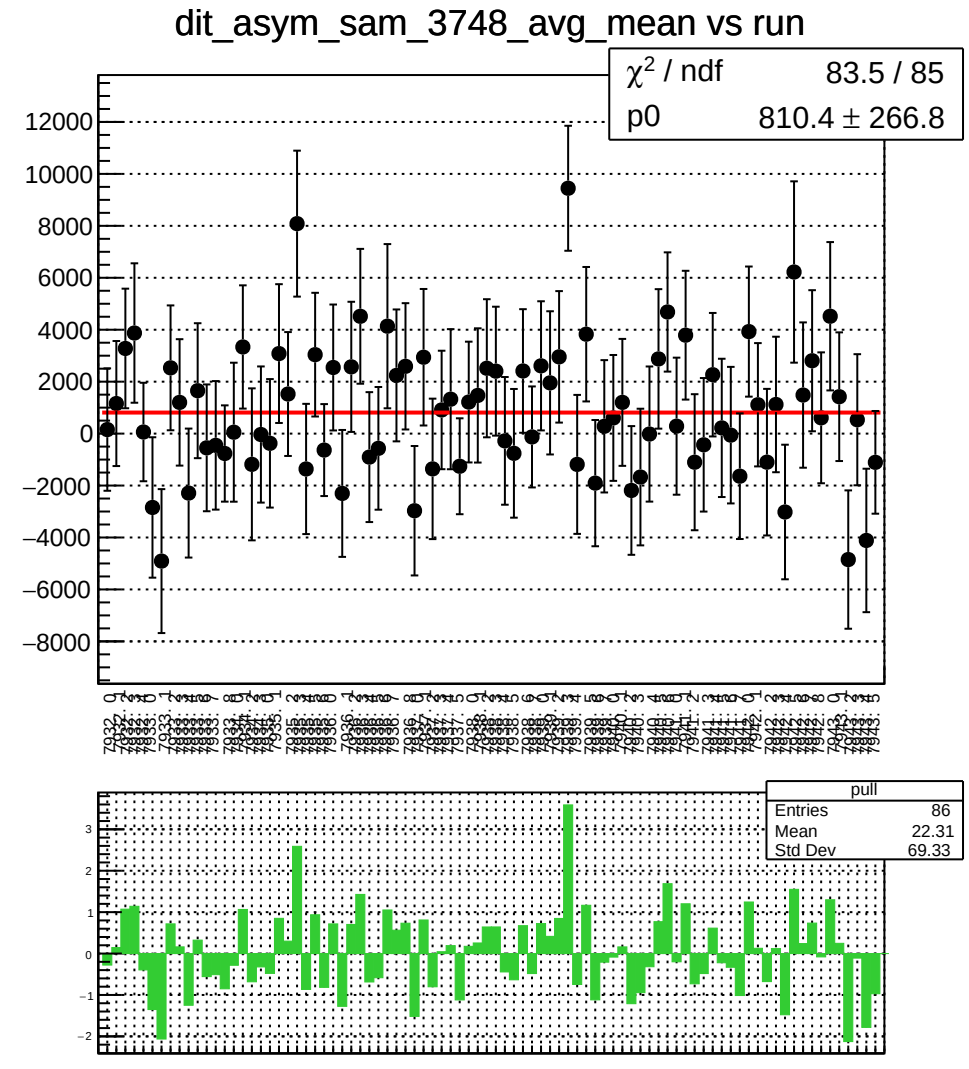

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 86.47 / 85
p0 −623.1± 1686
pull
Entries 86
Mean −347.2
Std Dev 394.1
pull1D
Entries 86
Mean −0.004828
Std Dev 1.003

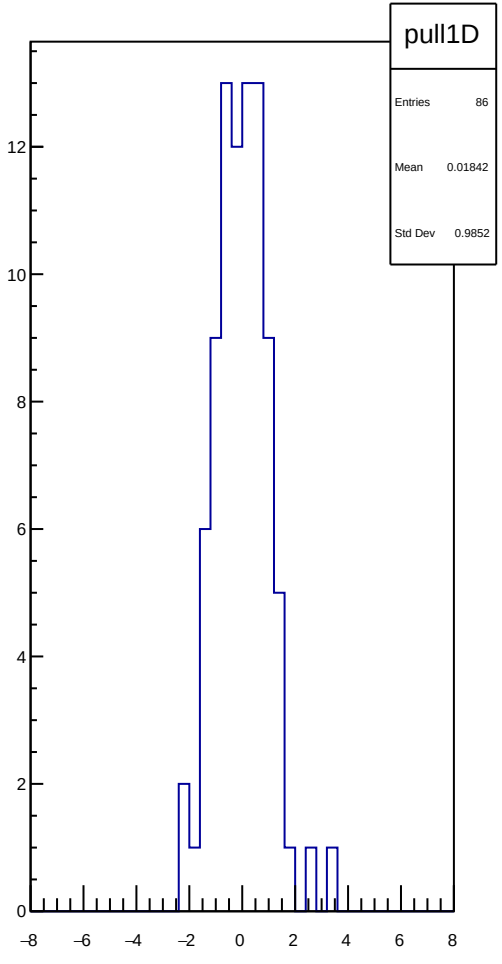

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 805.9 / 85
p0 1534 ± 1.193
1700
1650
1600
1550
1500
1450

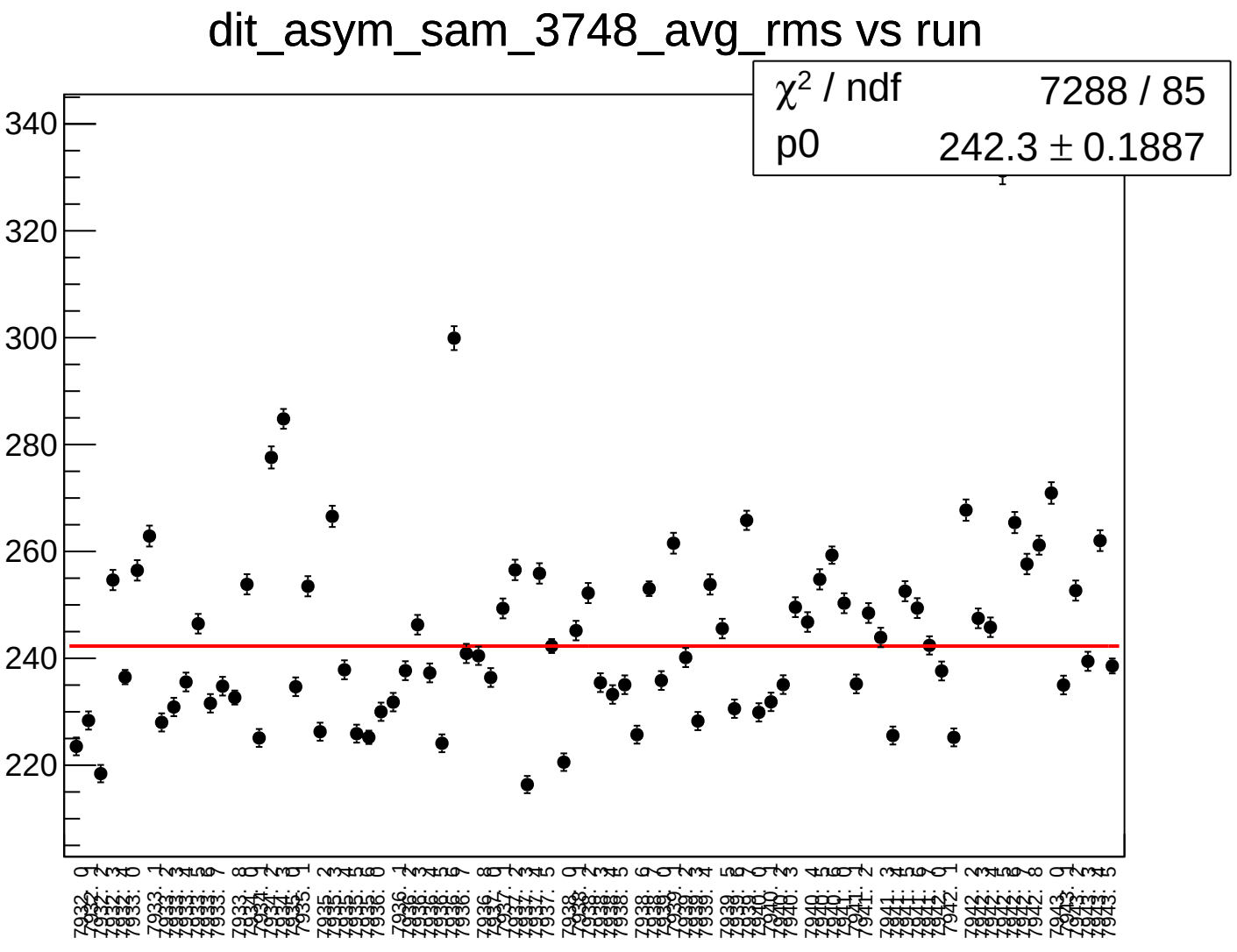

asym_sam_1548_avg_mean vs run
χ² / ndf 87.98 / 85
p0 1008 ± 1680
pull
Entries 86
Mean −188.5
Std Dev 237.1

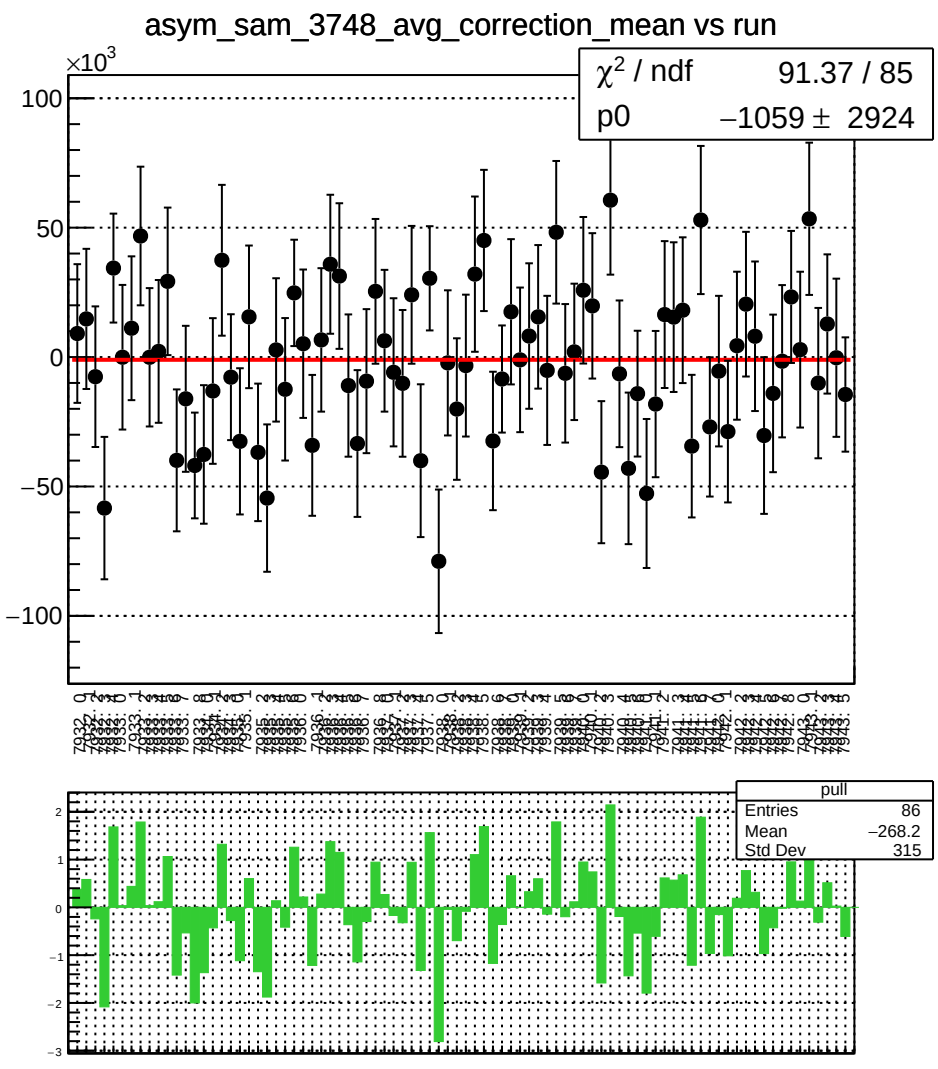

pull1D
Entries 86
Mean 0.008396
Std Dev 1.011

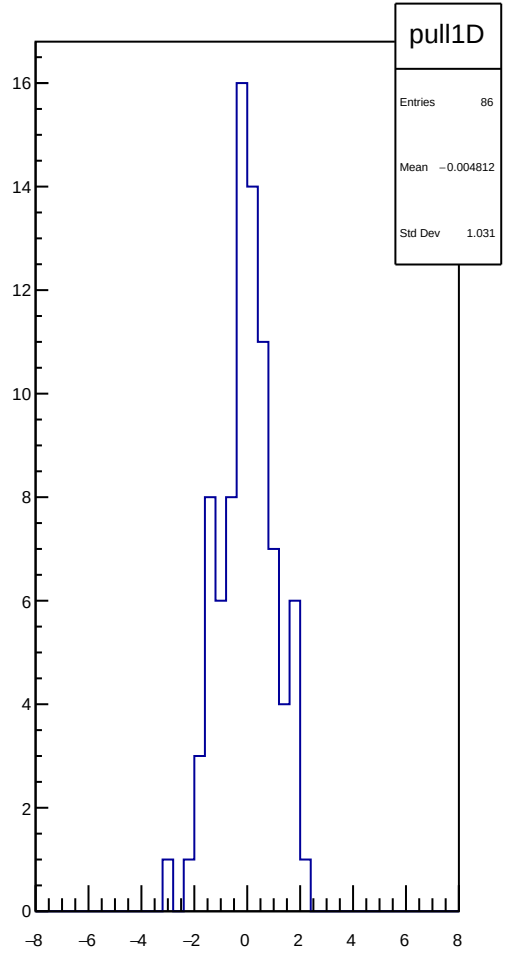

asym_sam_1548_avg_rms vs run
χ^2 / ndf 886.9 / 85
p0 1529 ± 1.188
1650
1600
1550
1500
1450

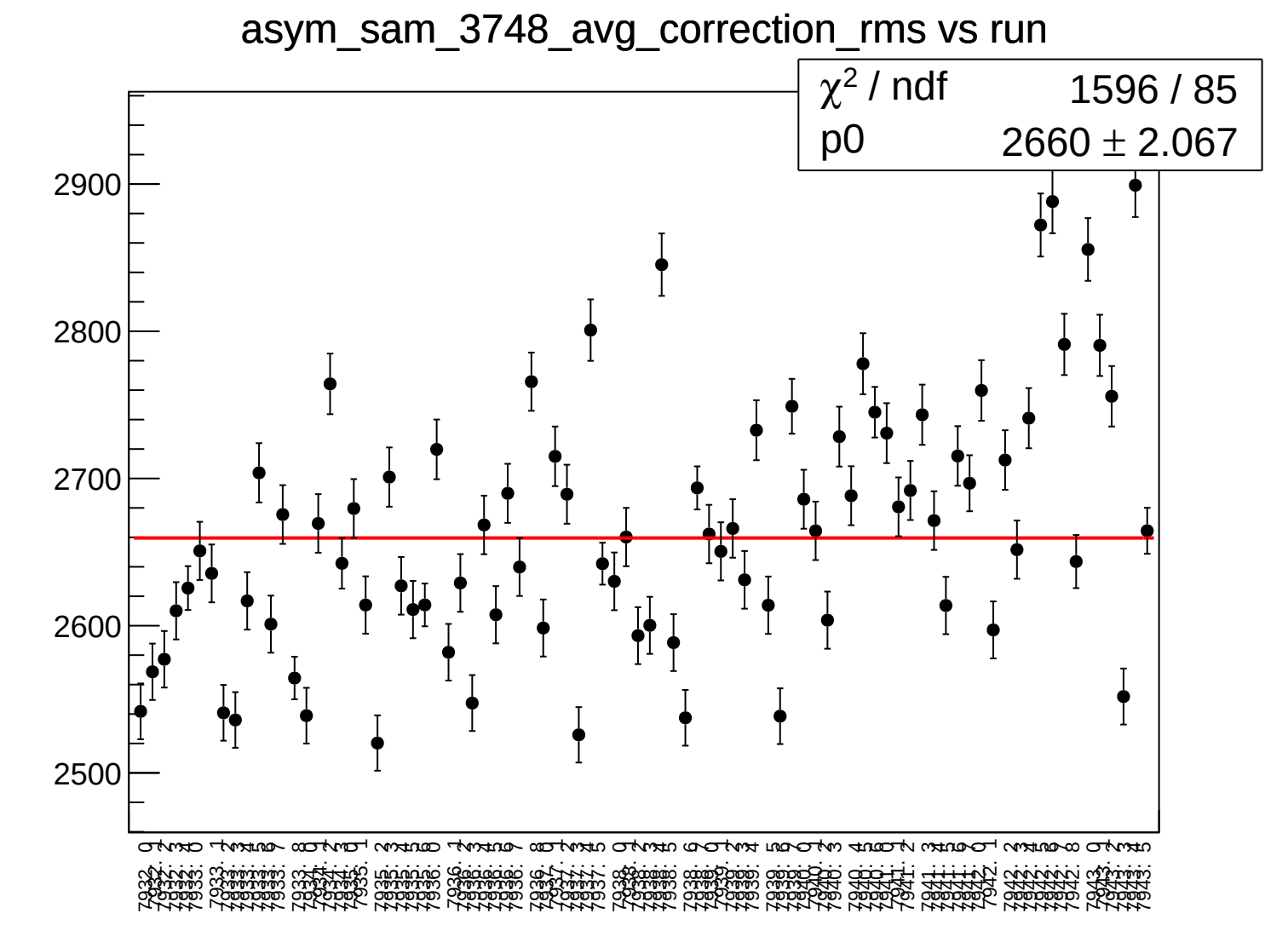

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 83.5 / 85
p0 810.4 ± 266.8
pull
Entries 86
Mean 22.31
Std Dev 69.33

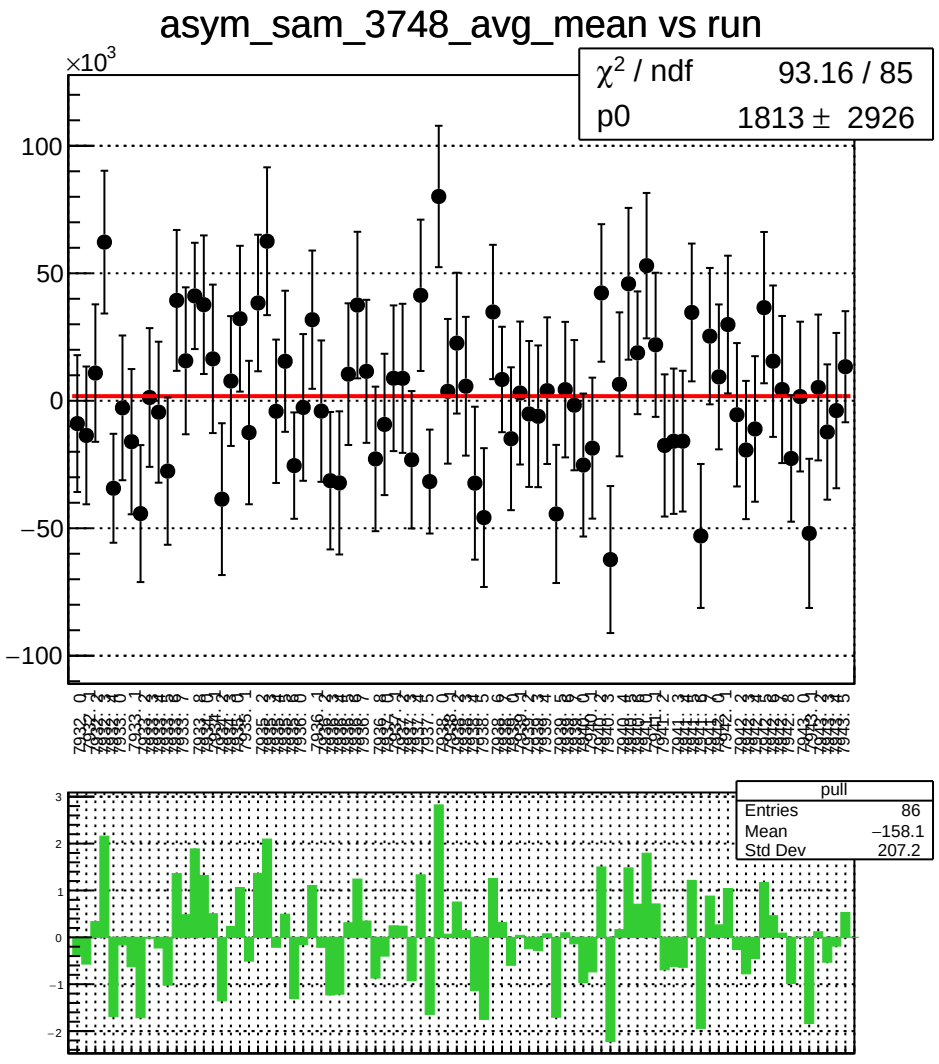

pull1D
Entries 86
Mean 0.01842
Std Dev 0.9852

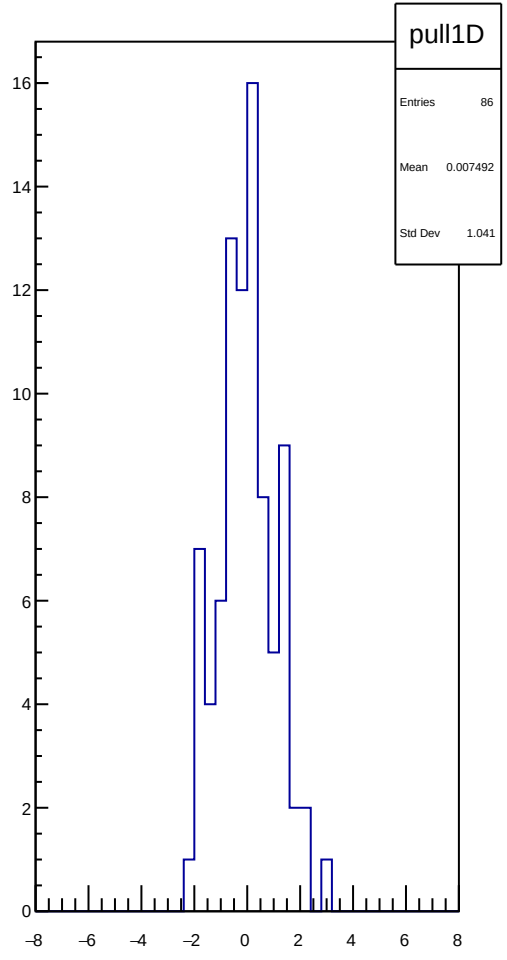

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 7288 / 85
p0 242.3 ± 0.1887
340
320
300
280
260
240
220

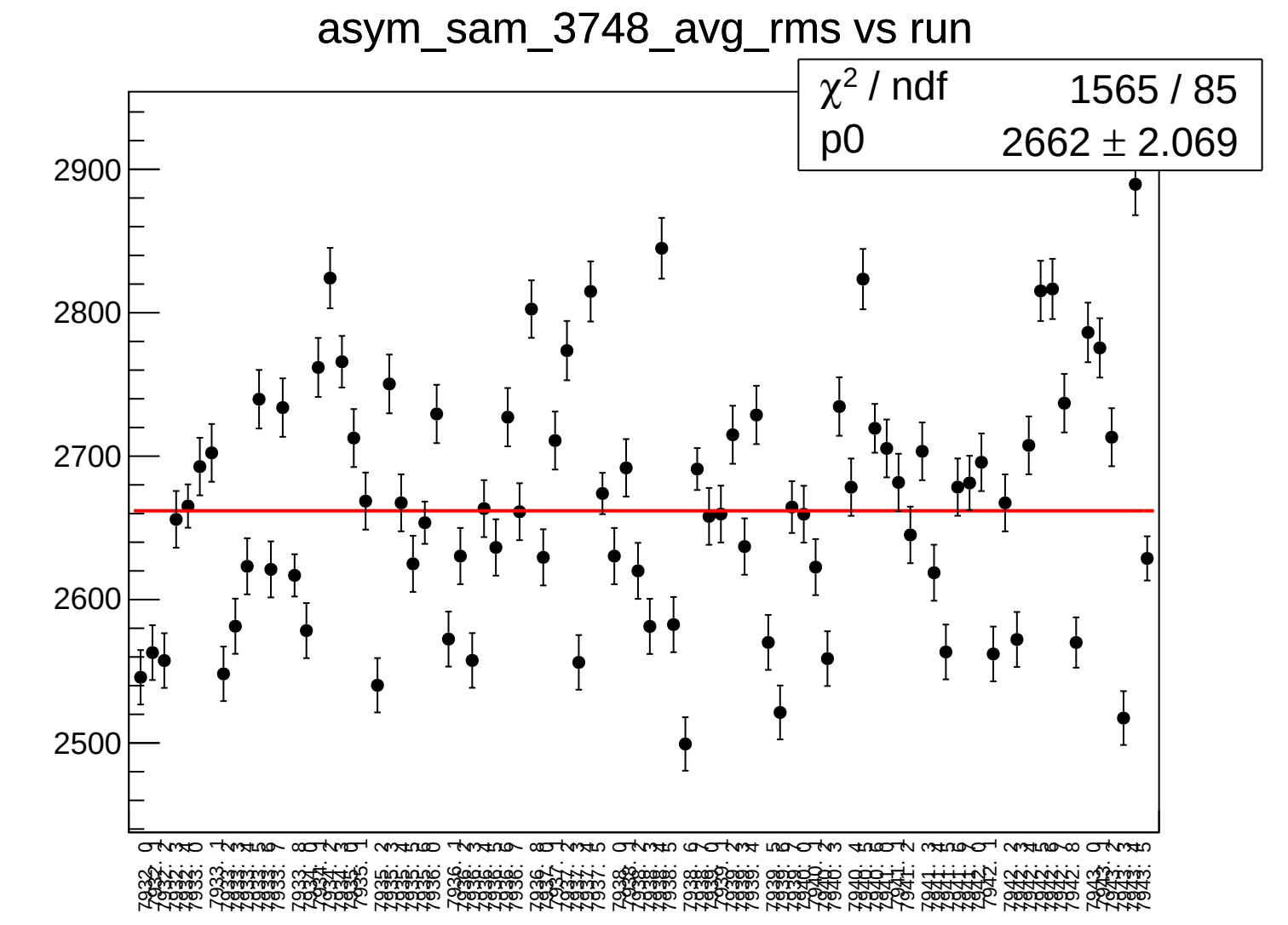

asym_sam_3748_avg_correction_mean vs run
×10^3
χ² / ndf 91.37 / 85
p0 −1059 ± 2924
100
50
0
−50
−100
pull
Entries 86
Mean −268.2
Std Dev 315
2
1
0
−1
−2
−3

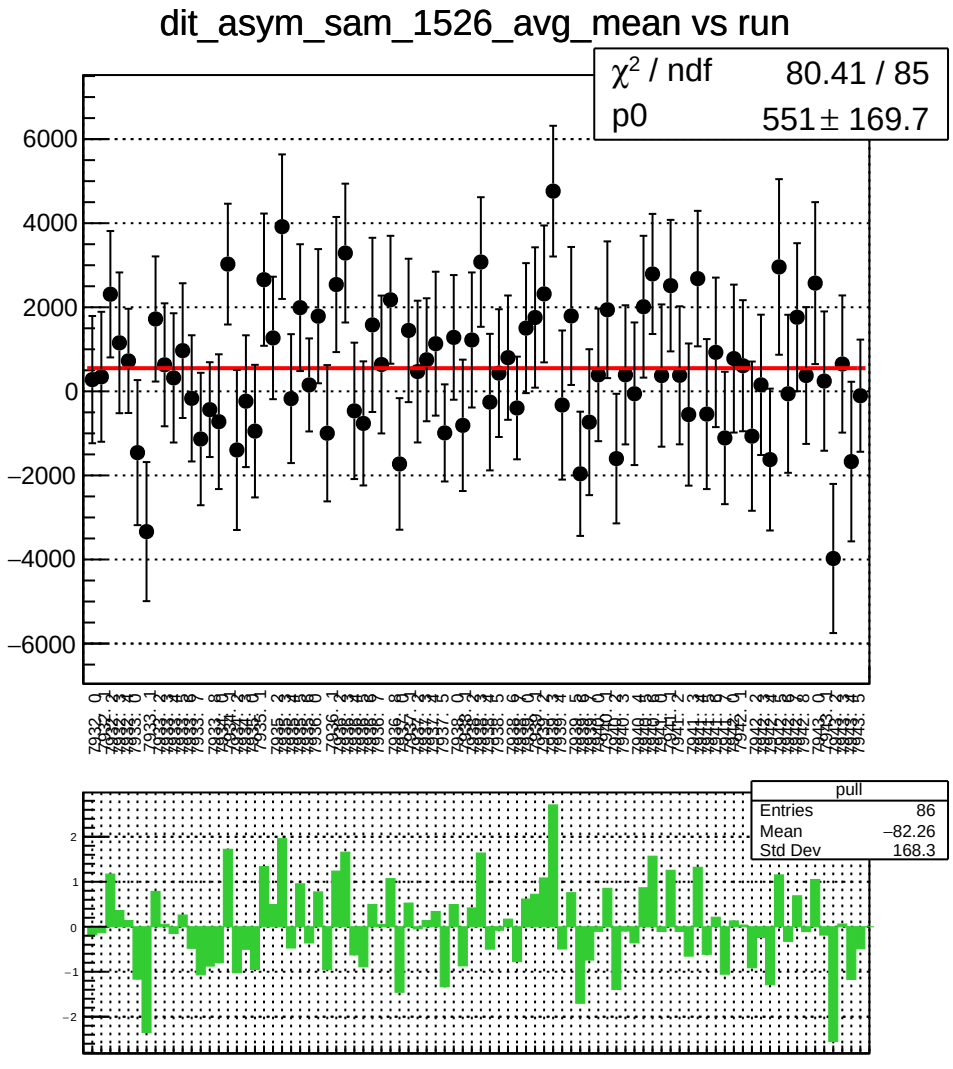

pull1D
Entries 86
Mean −0.004812
Std Dev 1.031
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

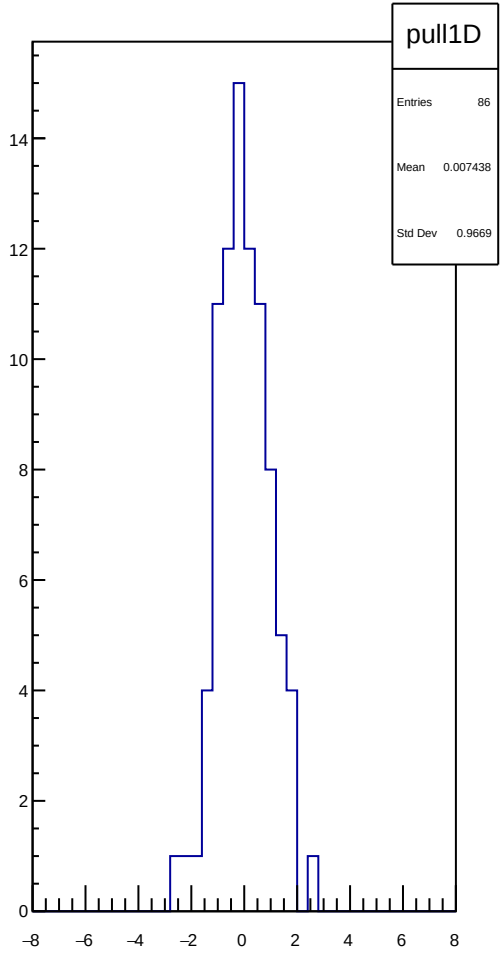

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 1596 / 85
p0 2660 ± 2.067
2900
2800
2700
2600
2500

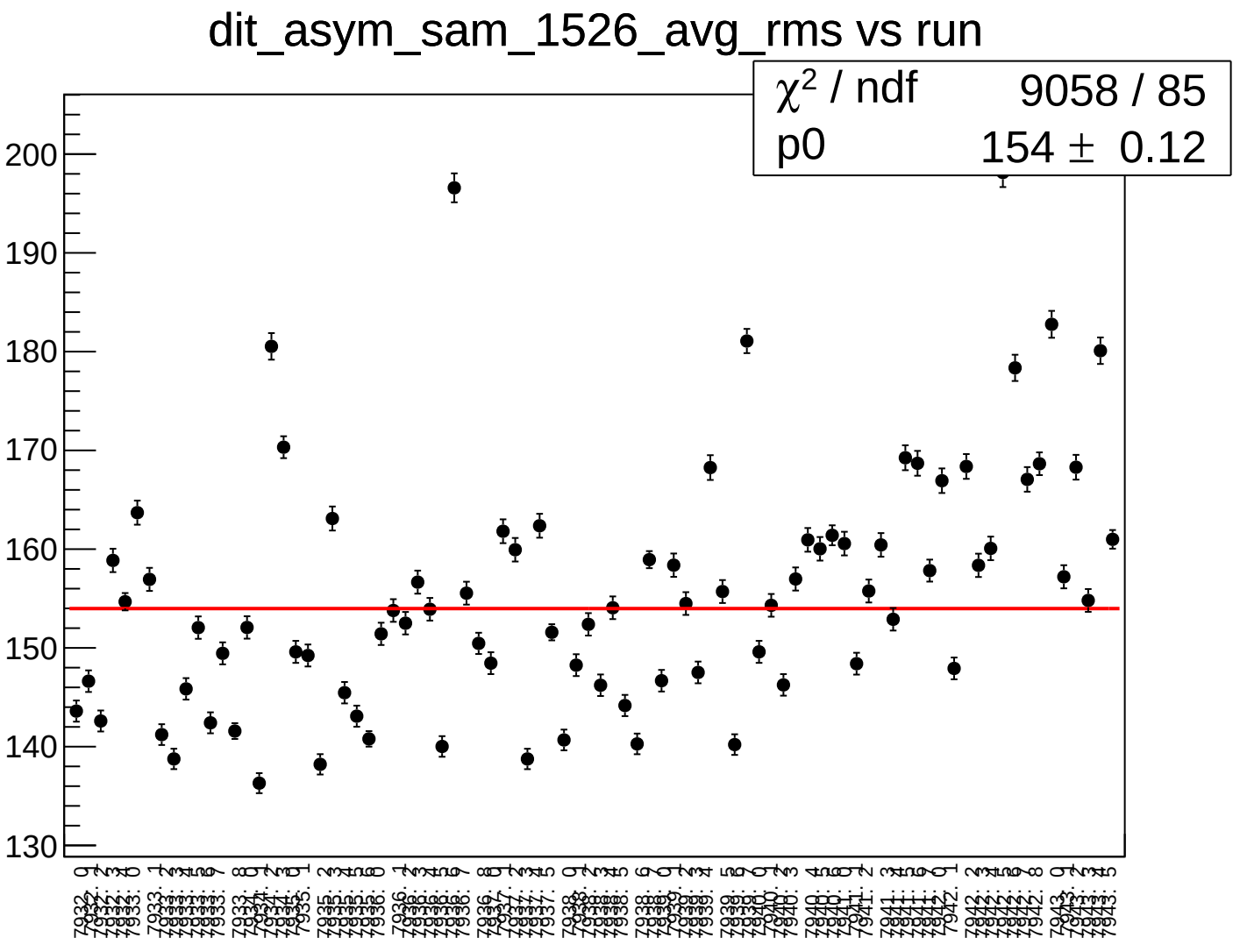

asym_sam_3748_avg_mean vs run
×10^3
χ² / ndf 93.16 / 85
p0 1813 ± 2926
100
50
0
−50
−100
pull
Entries 86
Mean −158.1
Std Dev 207.2
3
2
1
0
−1
−2

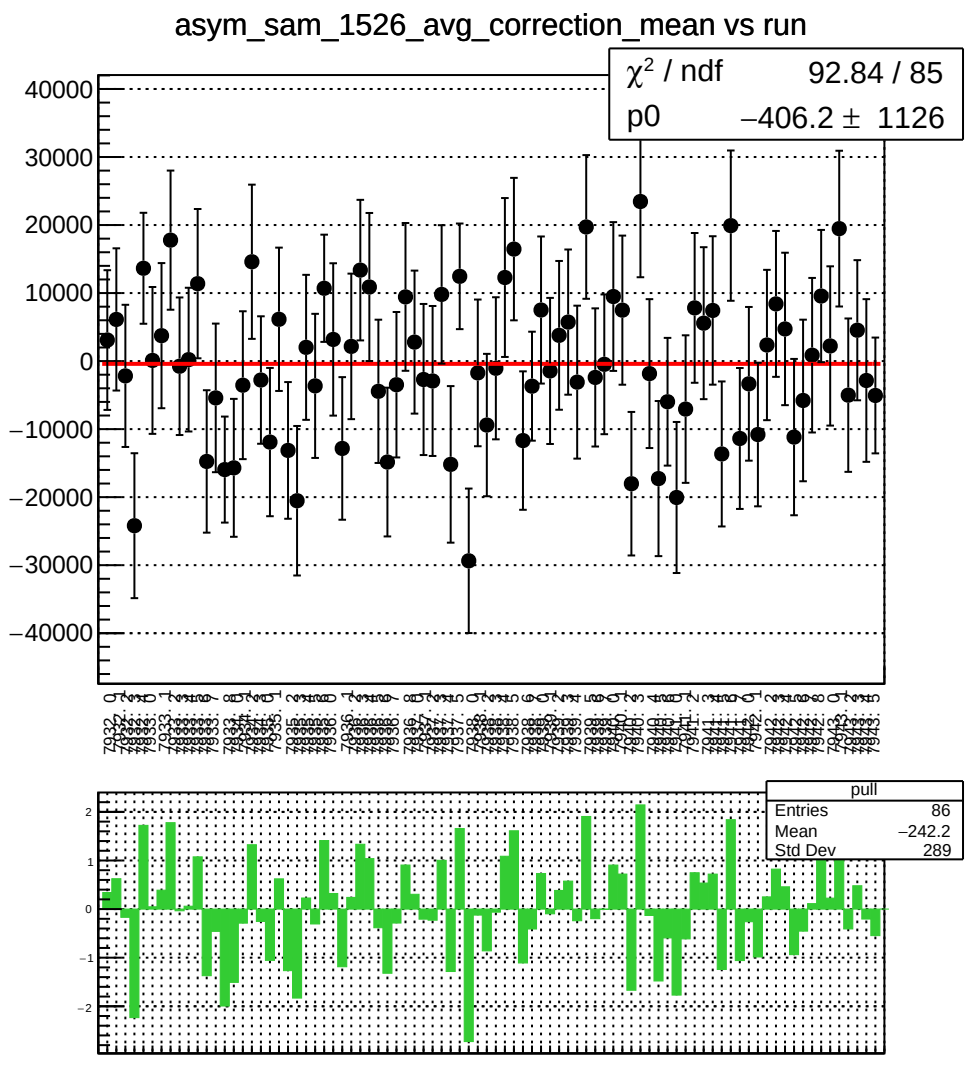

pull1D
Entries 86
Mean 0.007492
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

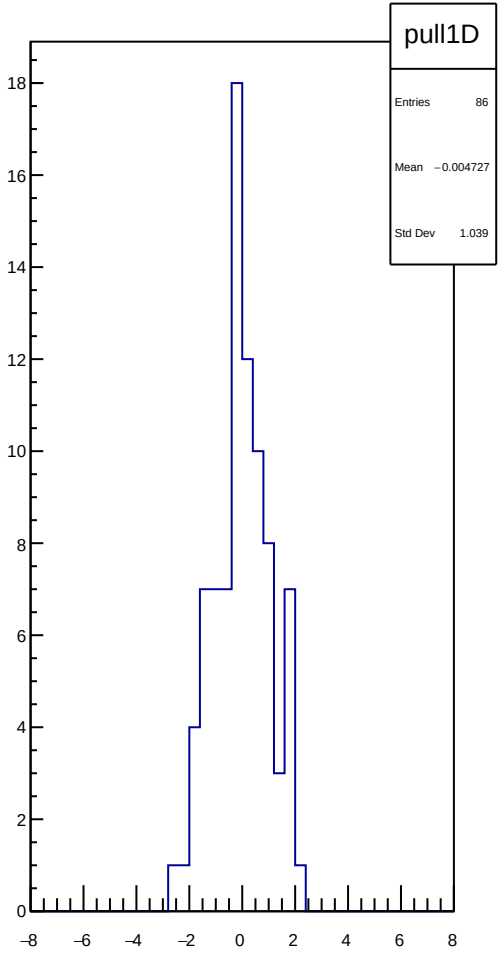

asym_sam_3748_avg_rms vs run
χ² / ndf 1565 / 85
p0 2662 ± 2.069
2900
2800
2700
2600
2500

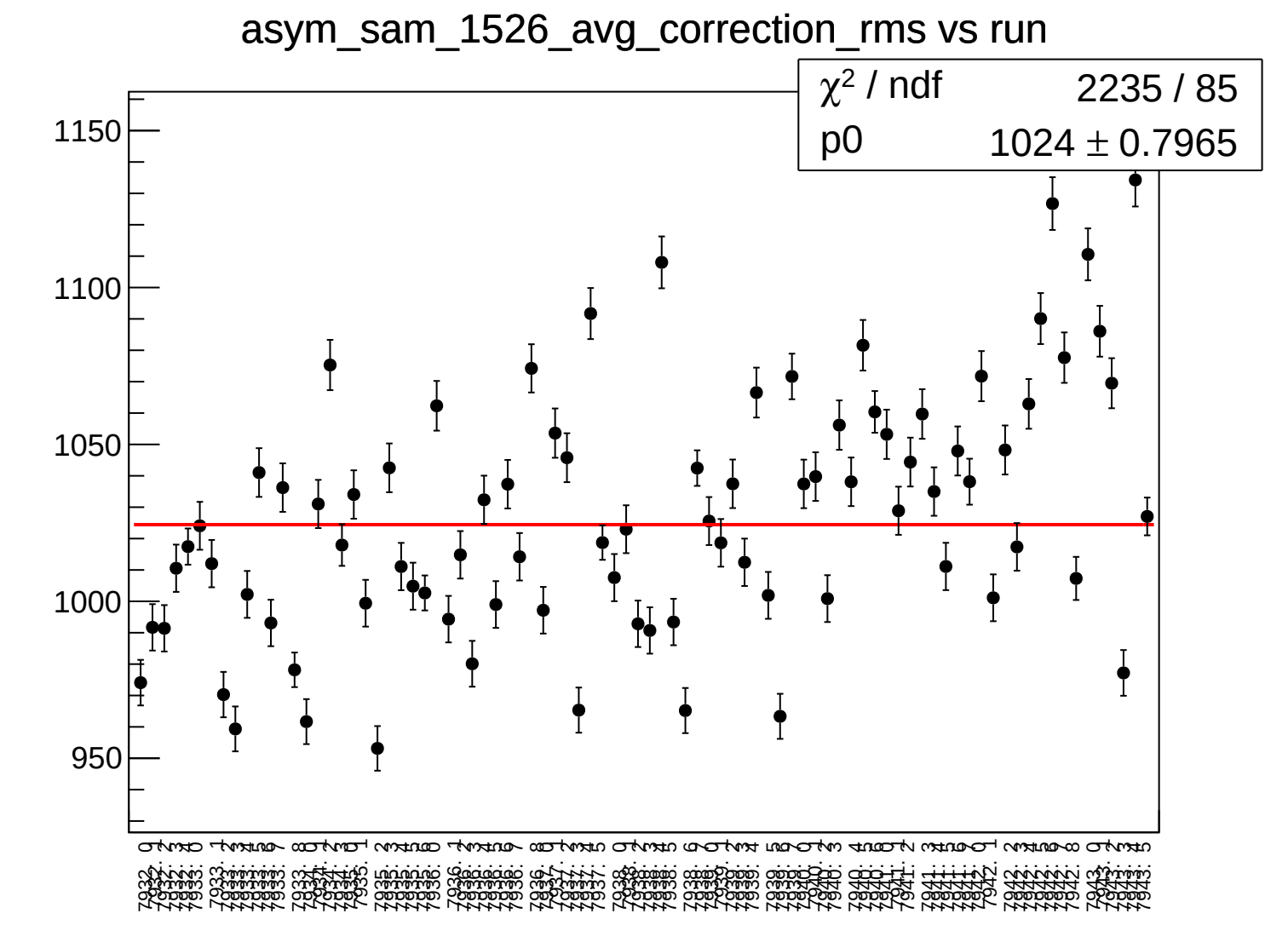

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 80.41 / 85
p0 551 ± 169.7
pull
Entries 86
Mean −82.26
Std Dev 168.3

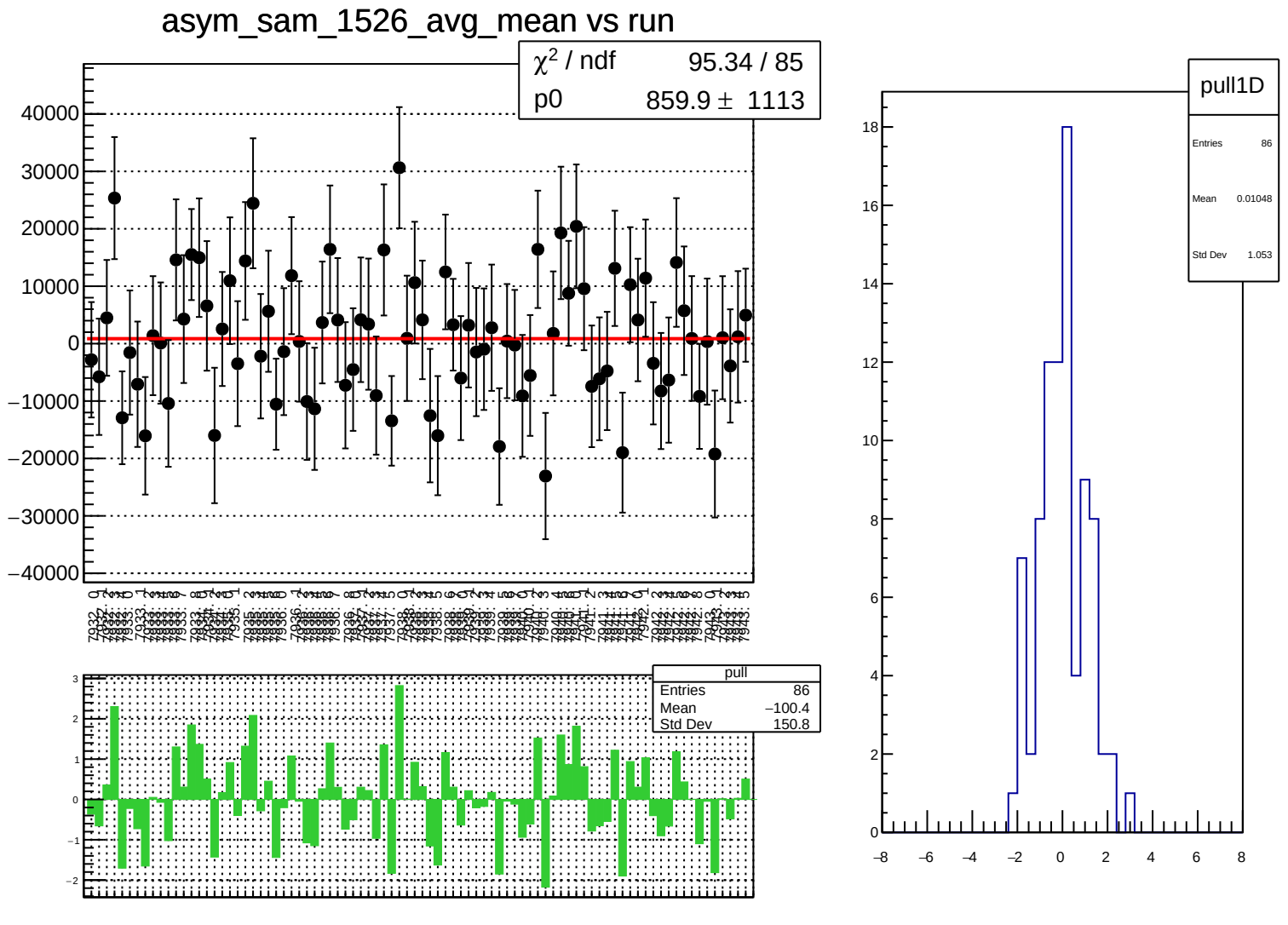

pull1D
Entries 86
Mean 0.007438
Std Dev 0.9669

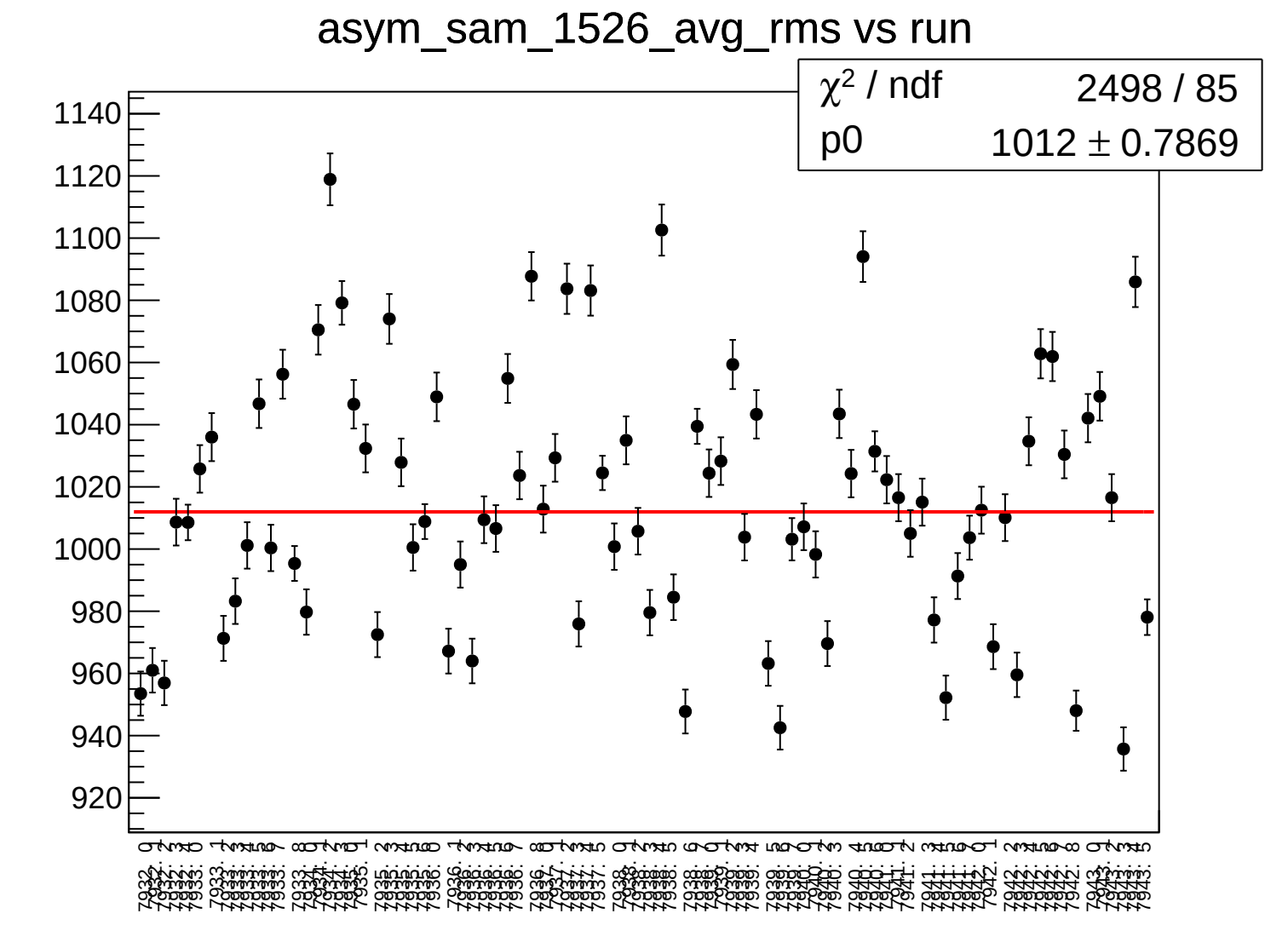

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 9058 / 85
p0 154 ± 0.12
200
190
180
170
160
150
140
130

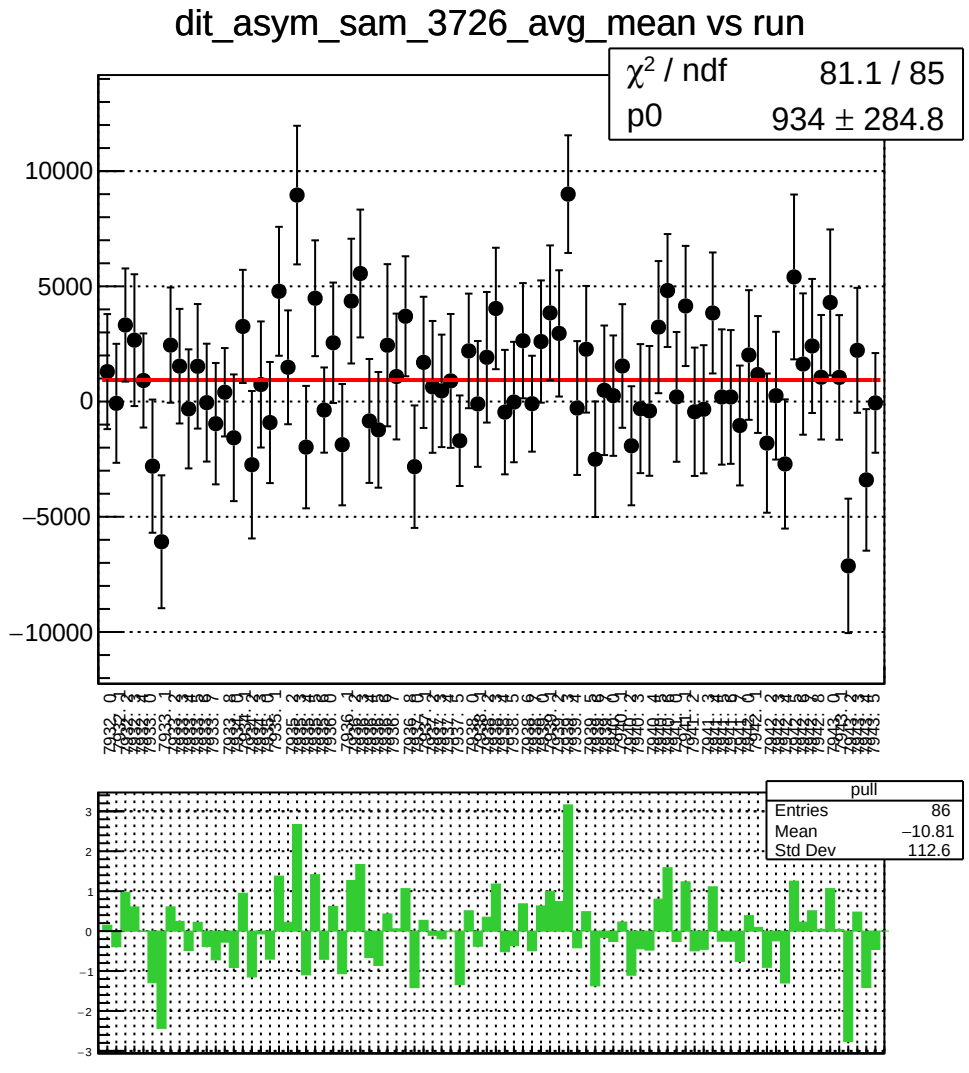

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 92.84 / 85
p0 −406.2 ± 1126
pull
Entries 86
Mean −242.2
Std Dev 289

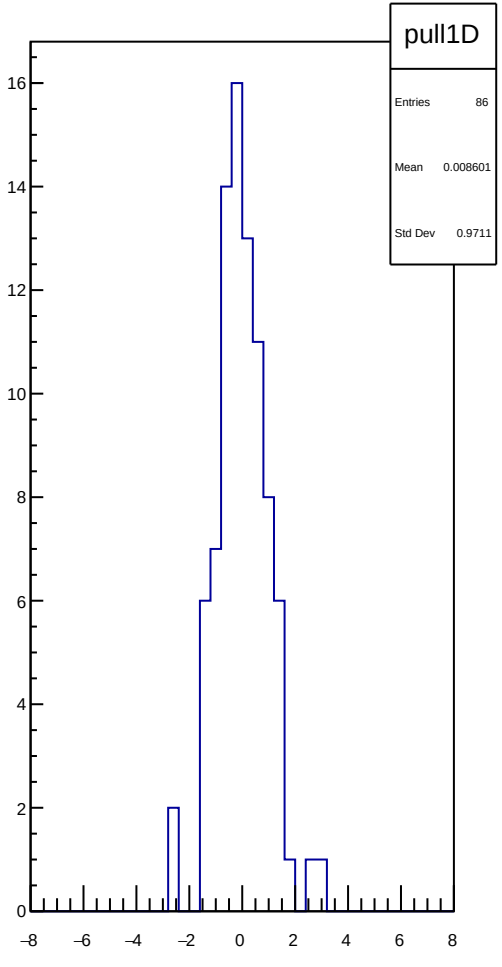

pull1D
Entries 86
Mean −0.004727
Std Dev 1.039

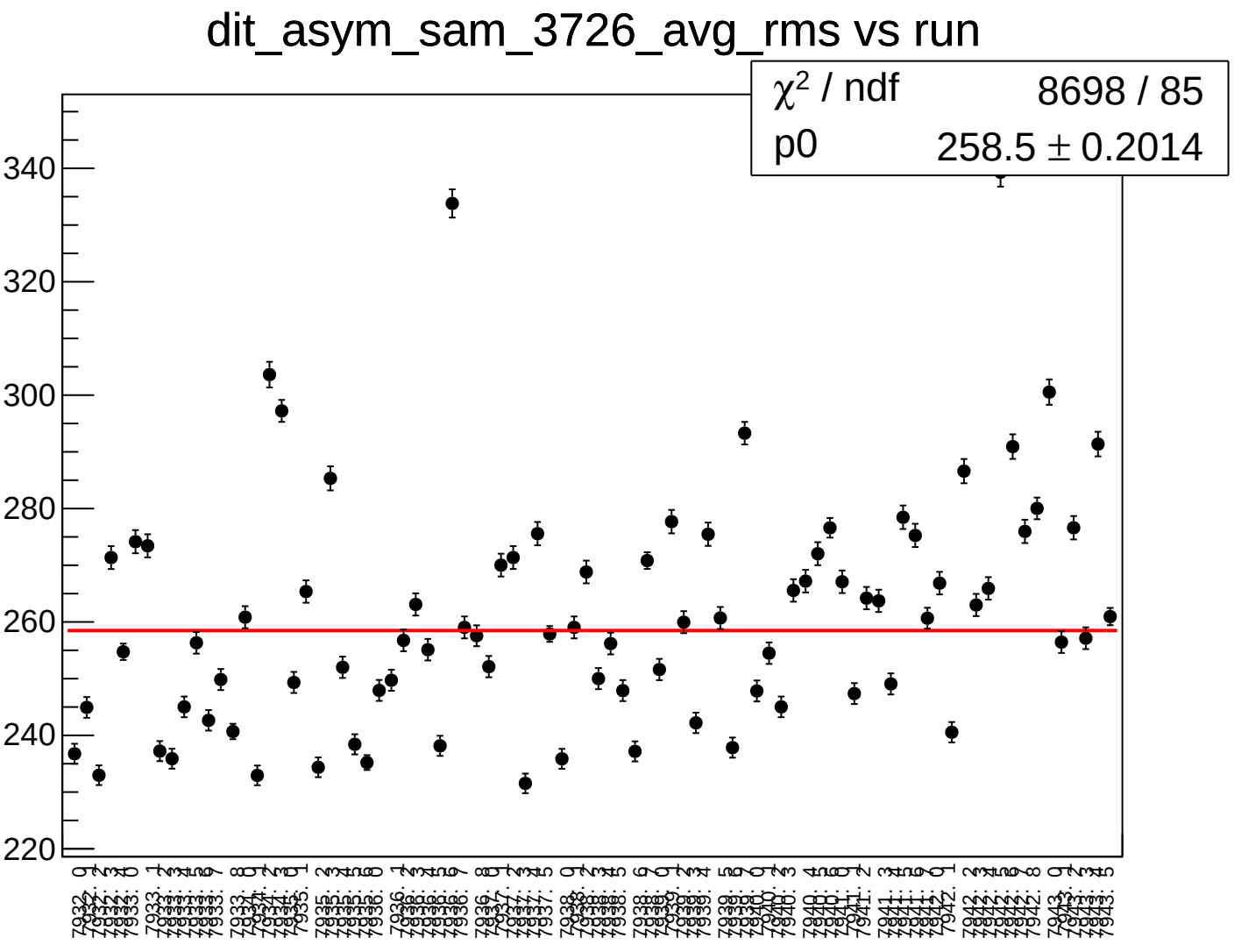

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2235 / 85
p0 1024 ± 0.7965
1150
1100
1050
1000
950

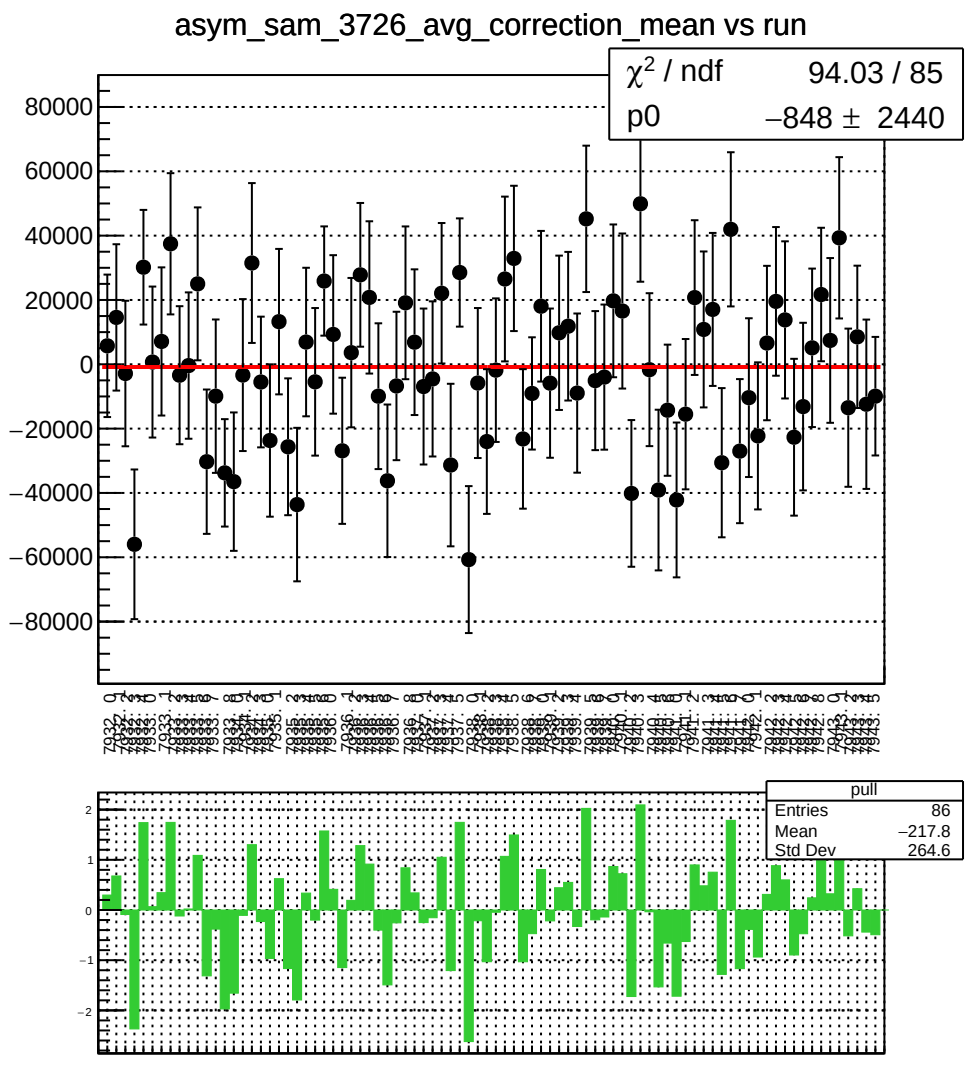

asym_sam_1526_avg_mean vs run
χ² / ndf 95.34 / 85
p0 859.9 ± 1113
pull
Entries 86
Mean −100.4
Std Dev 150.8
pull1D
Entries 86
Mean 0.01048
Std Dev 1.053

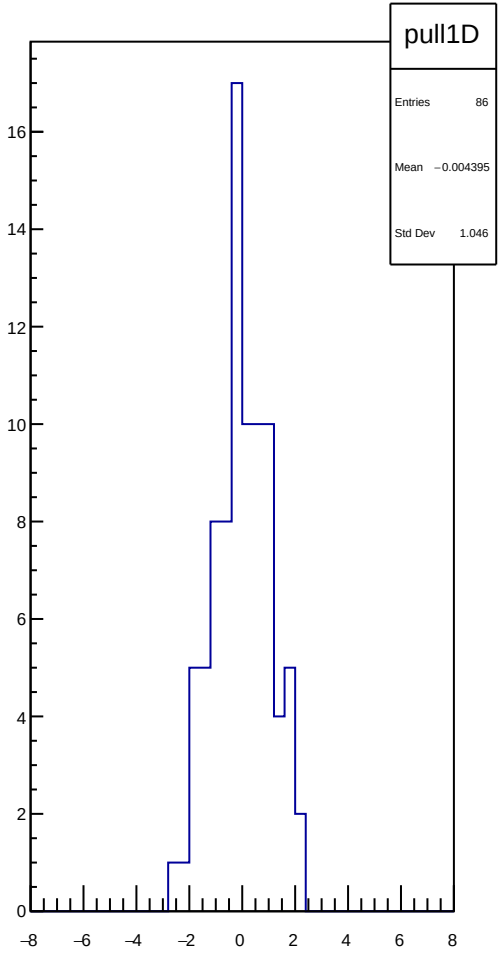

asym_sam_1526_avg_rms vs run
χ² / ndf 2498 / 85
p0 1012 ± 0.7869
1140
1120
1100
1080
1060
1040
1020
1000
980
960
940
920

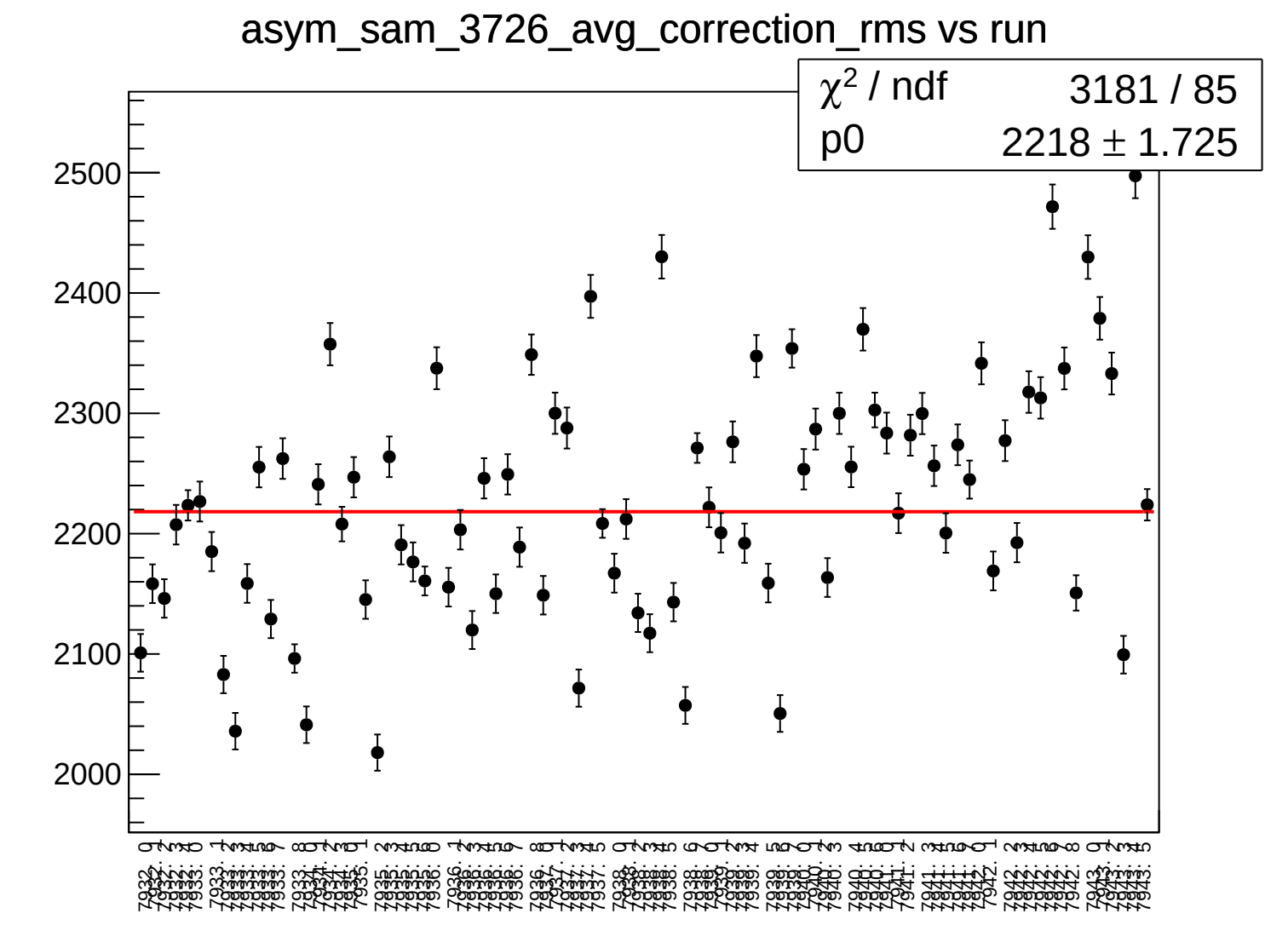

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 81.1 / 85
p0 934 ± 284.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −10.81
Std Dev 112.6
3
2
1
0
−1
−2
−3

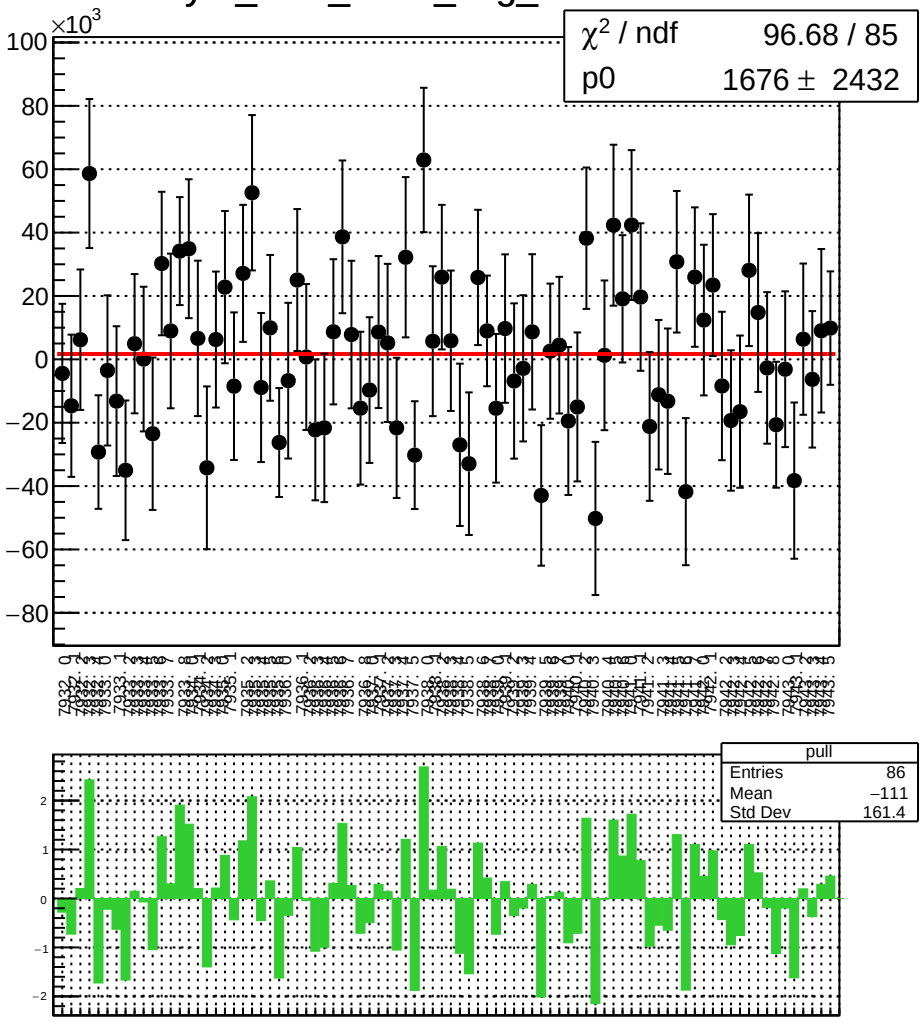

pull1D
Entries 86
Mean 0.008601
Std Dev 0.9711
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

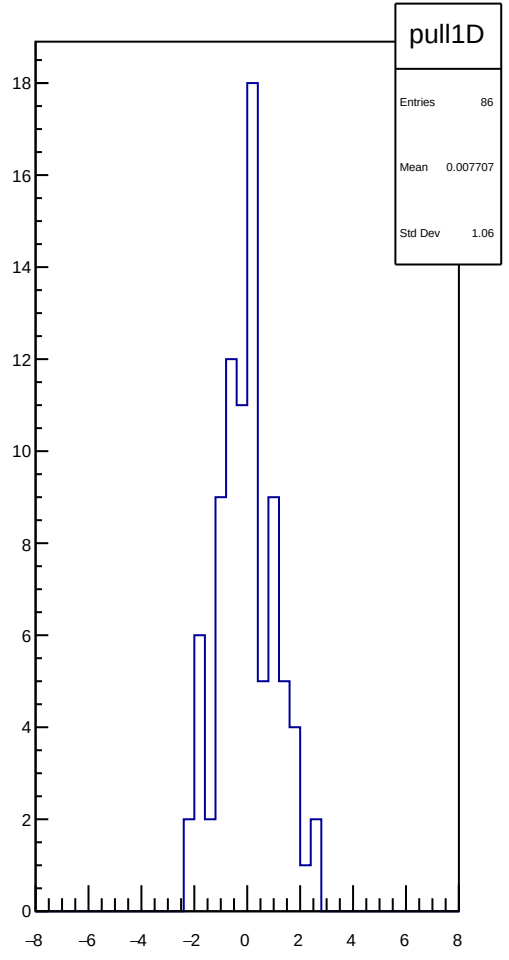

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 8698 / 85
p0 258.5 ± 0.2014
340
320
300
280
260
240
220

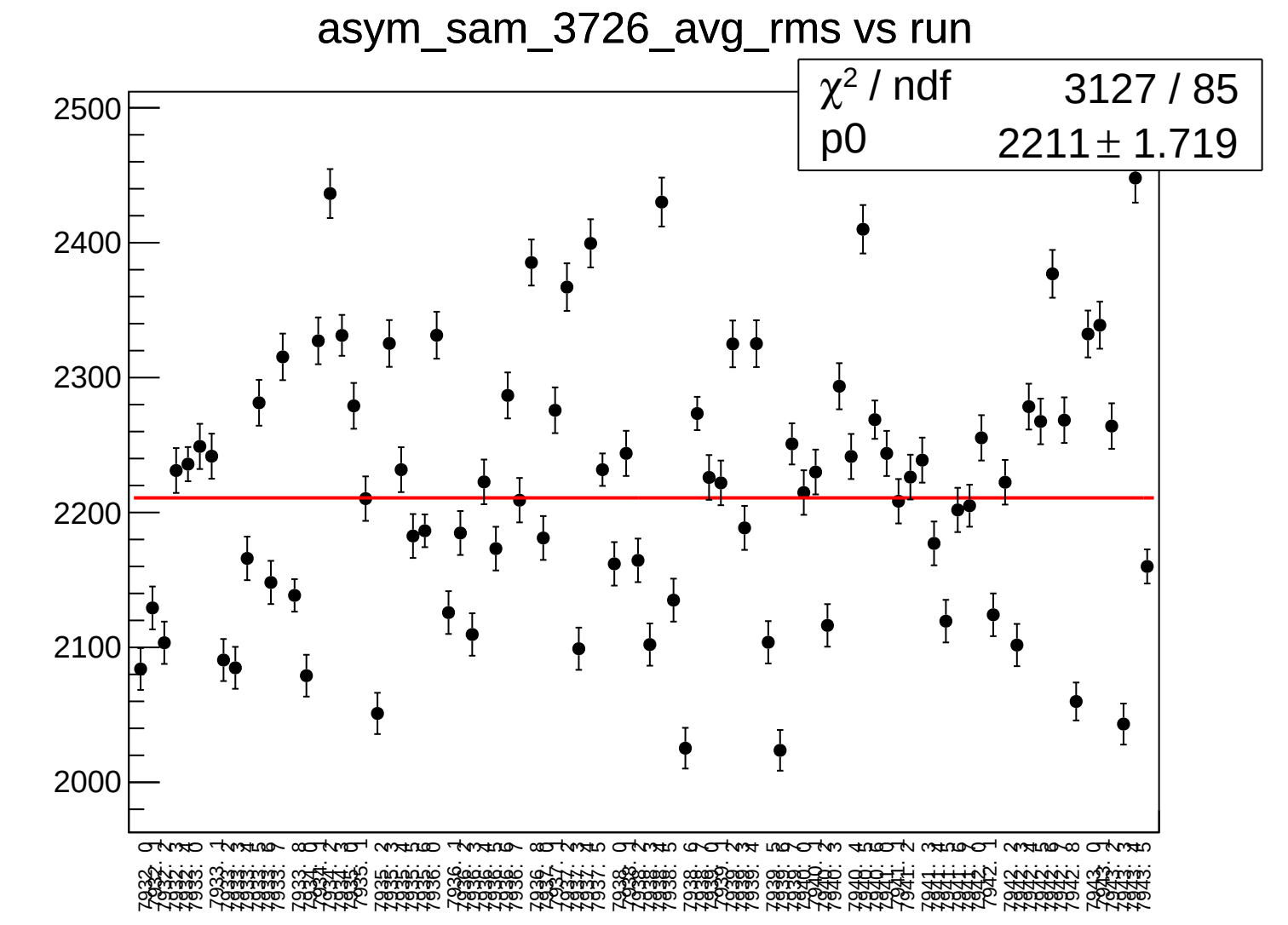

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 94.03 / 85
p0 −848 ± 2440
pull
Entries 86
Mean −217.8
Std Dev 264.6

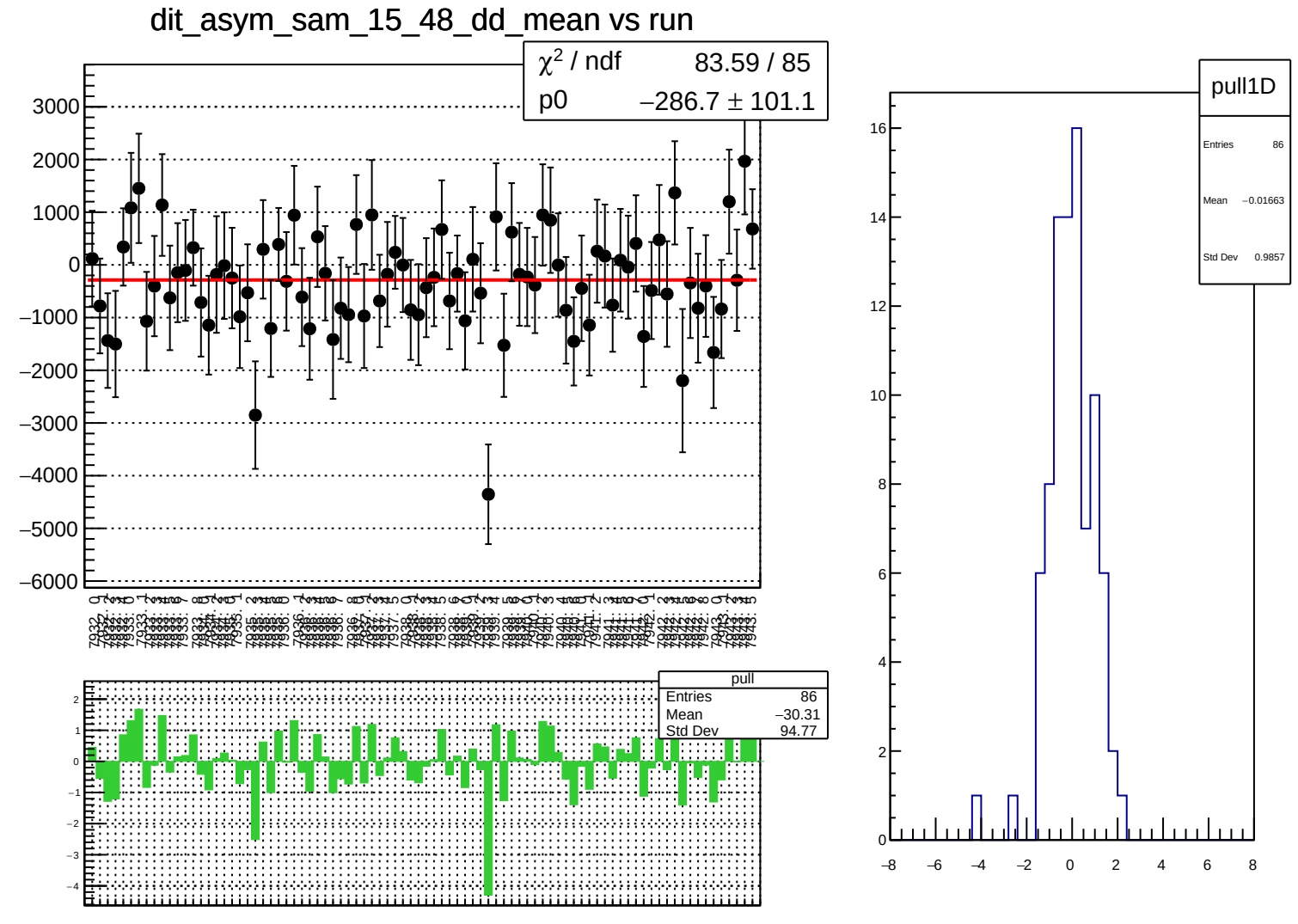

pull1D
Entries 86
Mean −0.004395
Std Dev 1.046

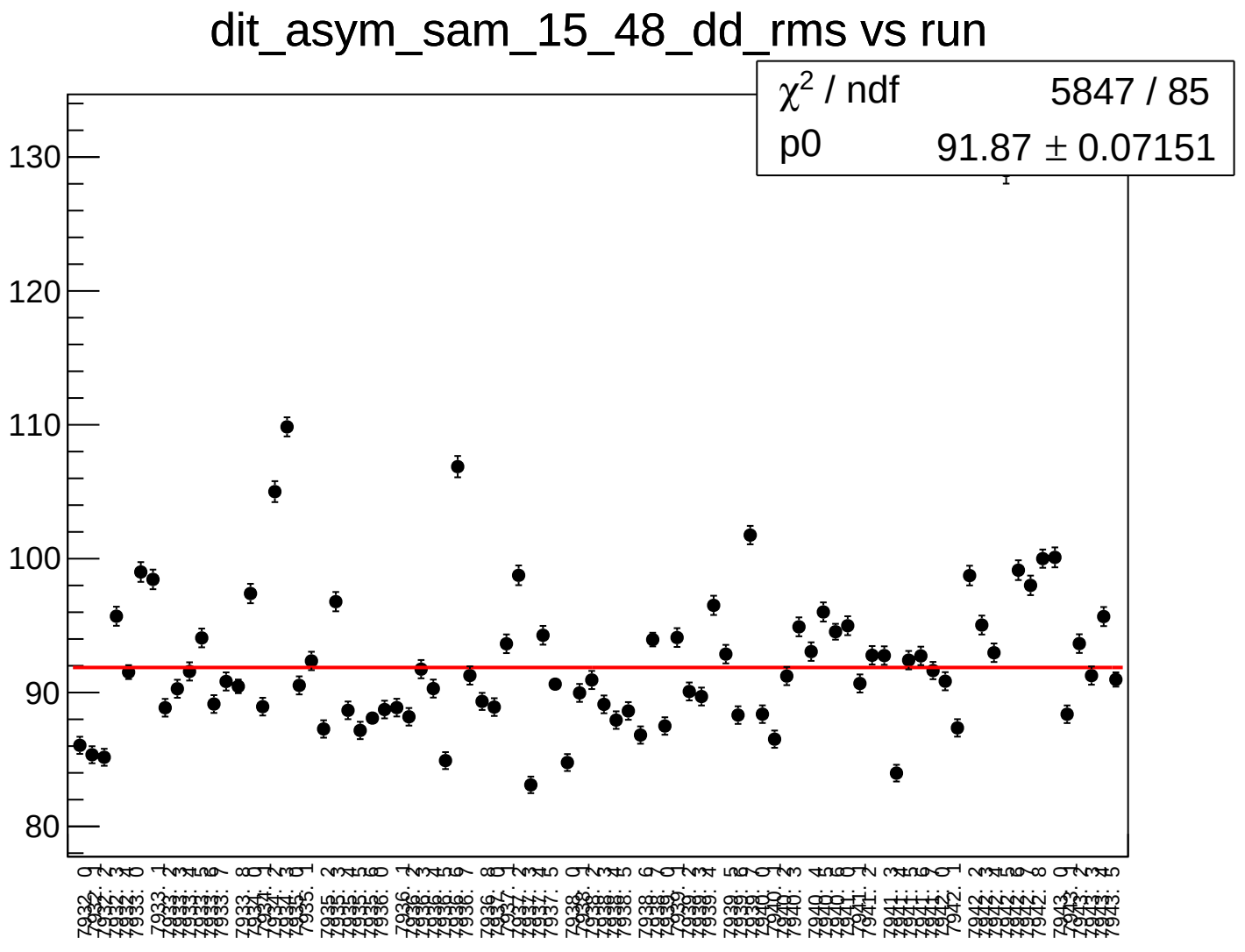

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 3181 / 85
p0 2218 ± 1.725
2500
2400
2300
2200
2100
2000

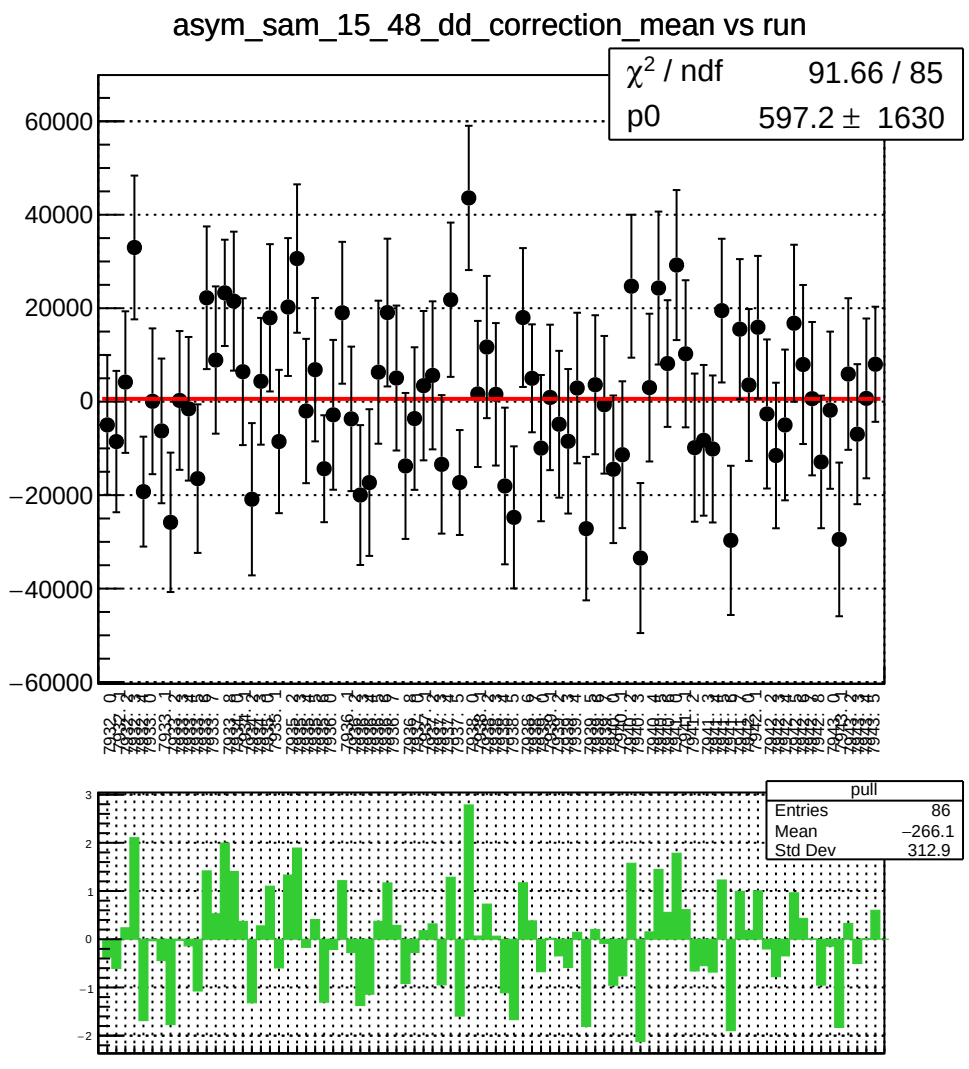

asym_sam_3726_avg_mean vs run
χ^2 / ndf 96.68 / 85
p0 1676 ± 2432
pull
Entries 86
Mean −111
Std Dev 161.4

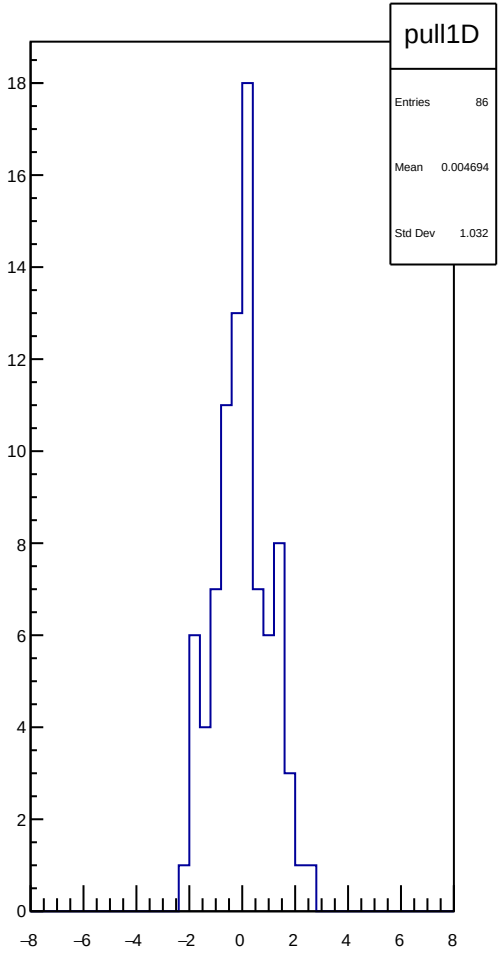

pull1D
Entries 86
Mean 0.007707
Std Dev 1.06

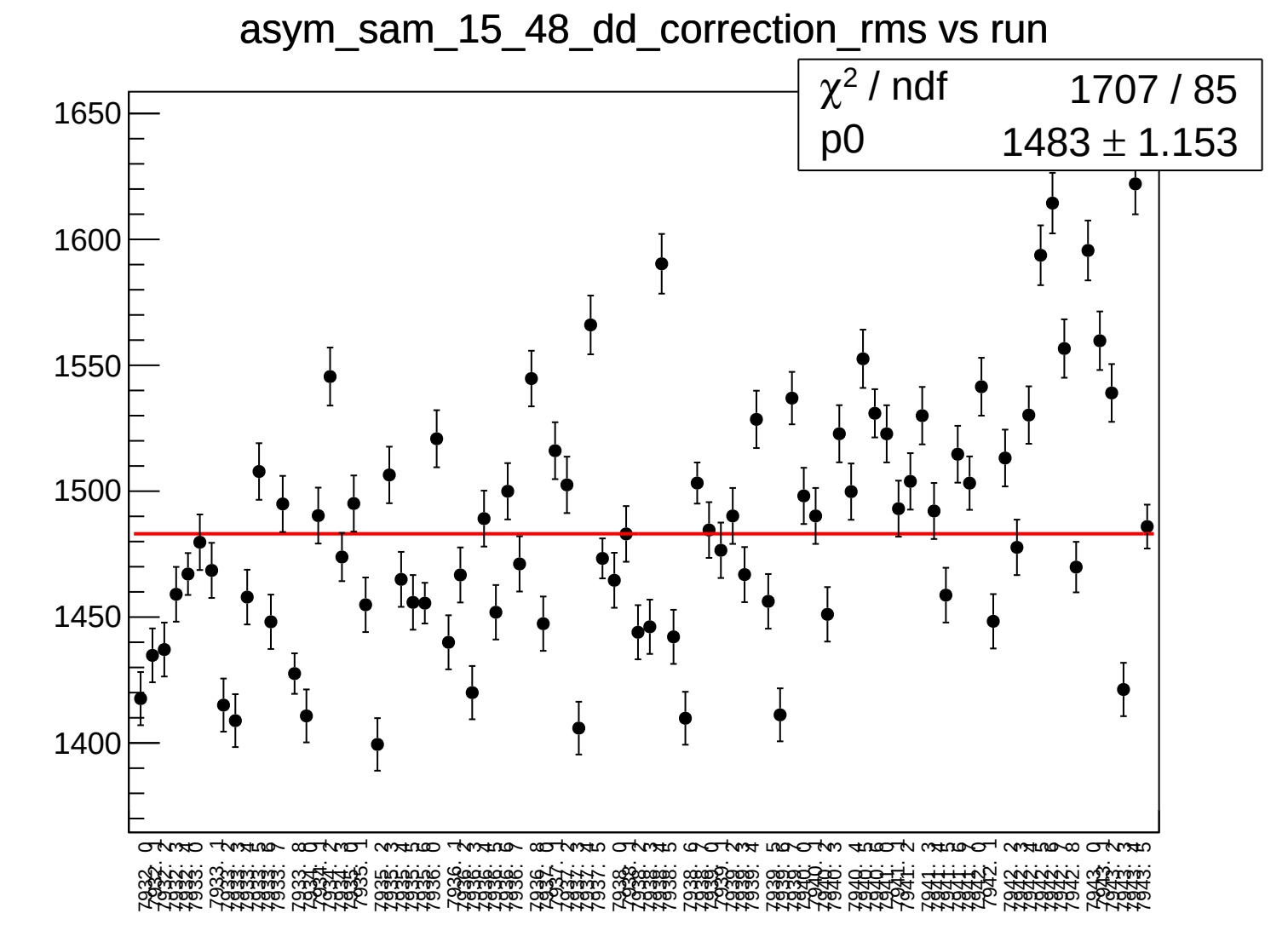

asym_sam_3726_avg_rms vs run
χ² / ndf 3127 / 85
p0 2211 ± 1.719
2500
2400
2300
2200
2100
2000

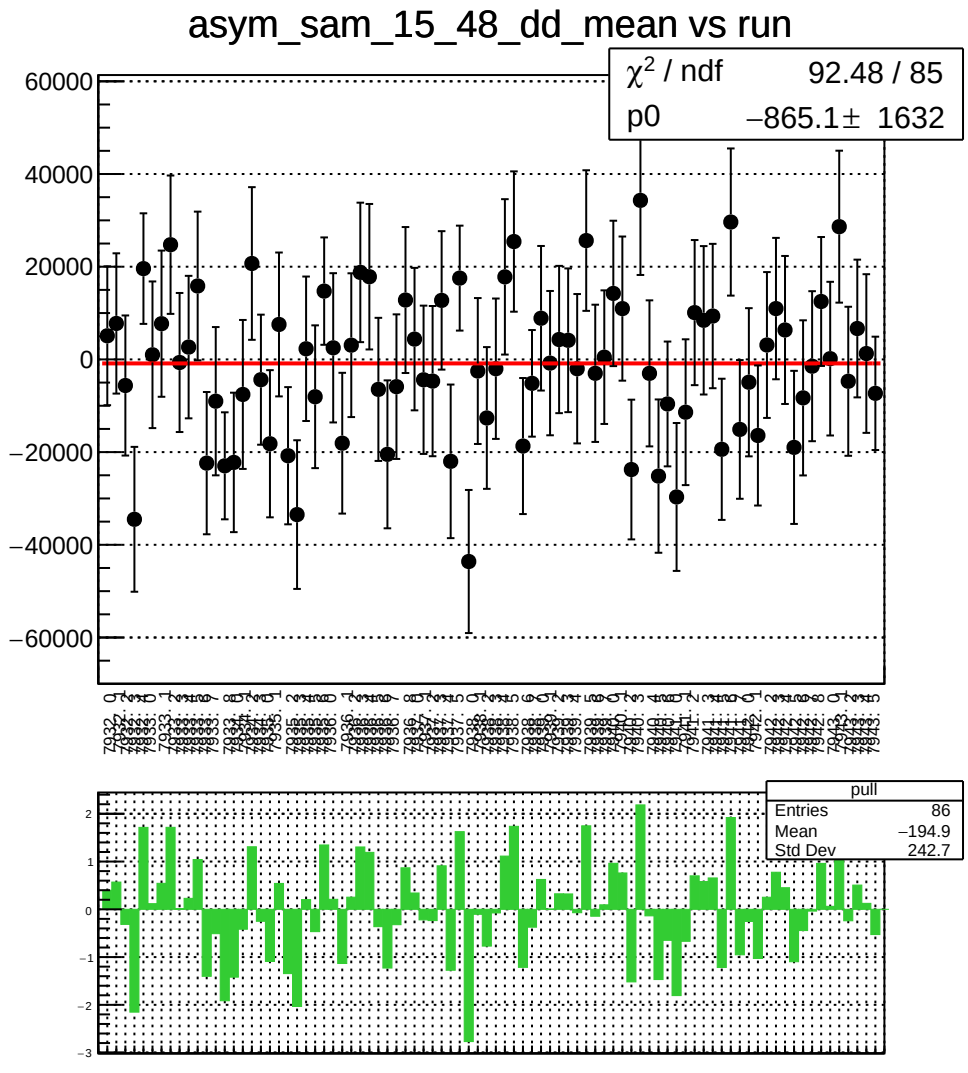

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 83.59 / 85
p0 −286.7 ± 101.1
pull
Entries 86
Mean −30.31
Std Dev 94.77
pull1D
Entries 86
Mean −0.01663
Std Dev 0.9857

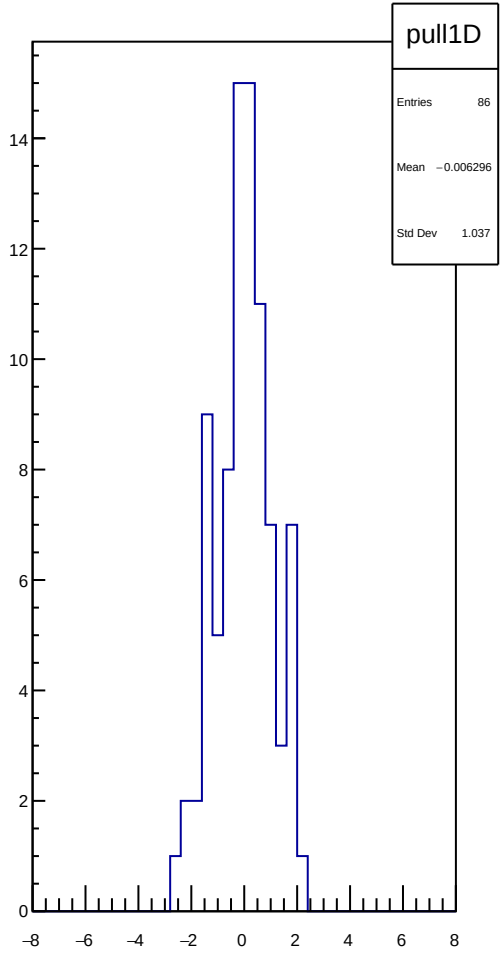

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 5847 / 85
p0 91.87 ± 0.07151
130
120
110
100
90
80

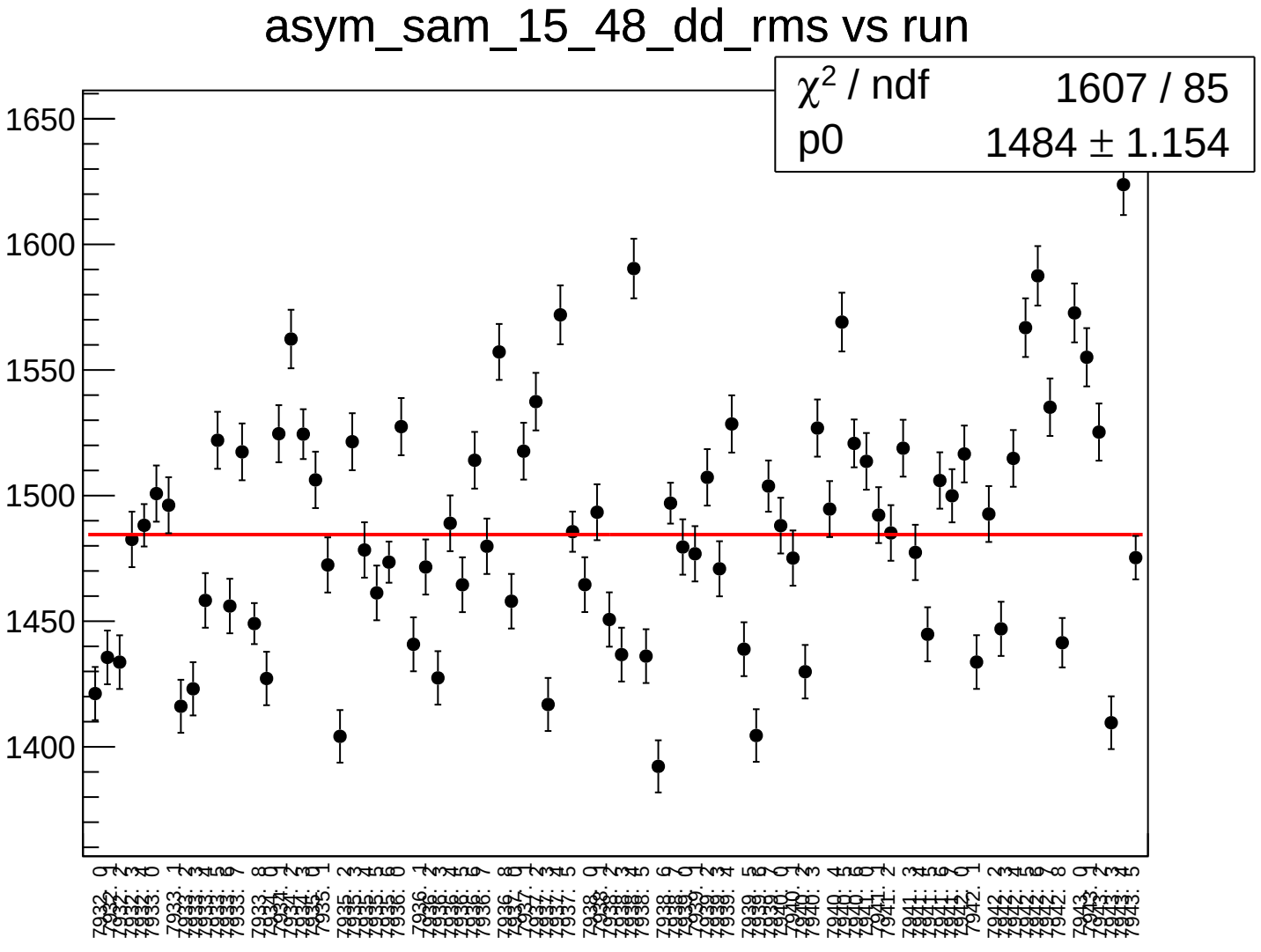

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 91.66 / 85
p0 597.2 ± 1630
pull
Entries 86
Mean −266.1
Std Dev 312.9

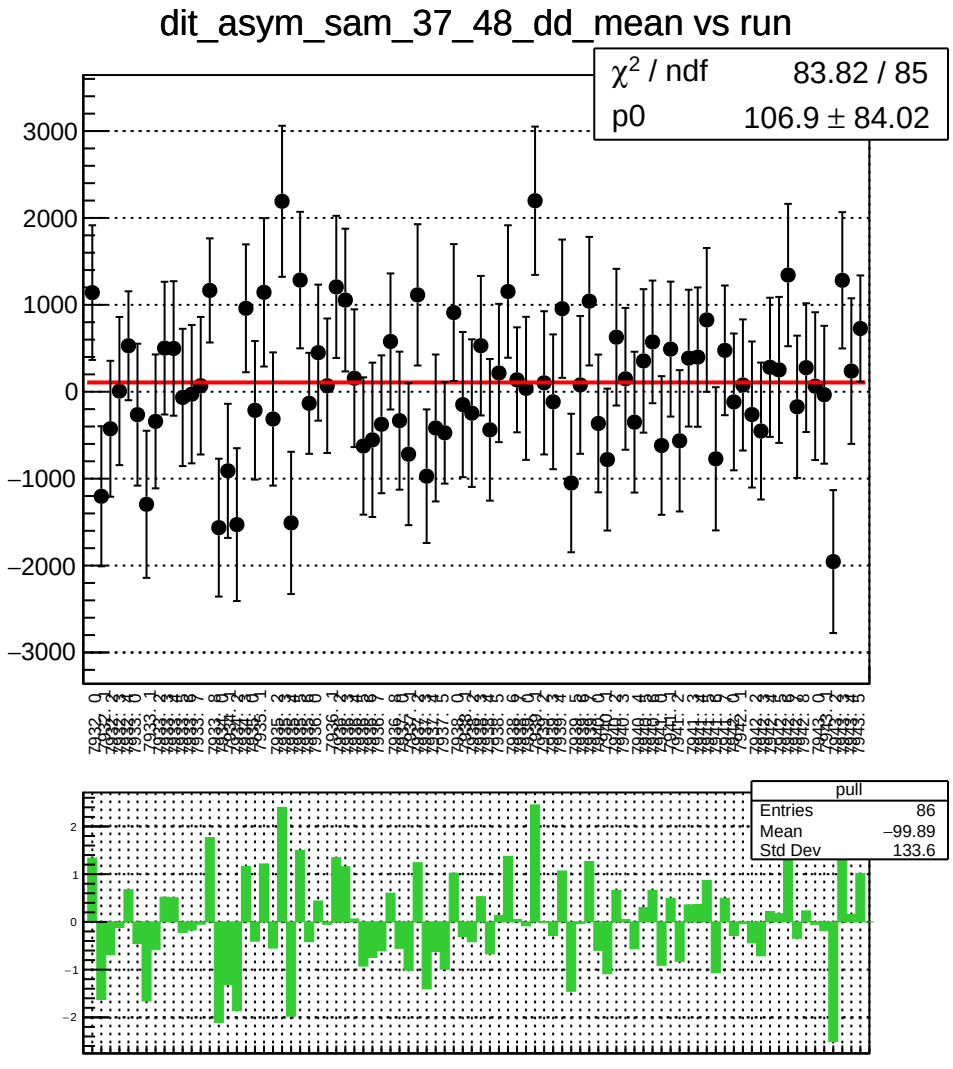

pull1D
Entries 86
Mean 0.004694
Std Dev 1.032

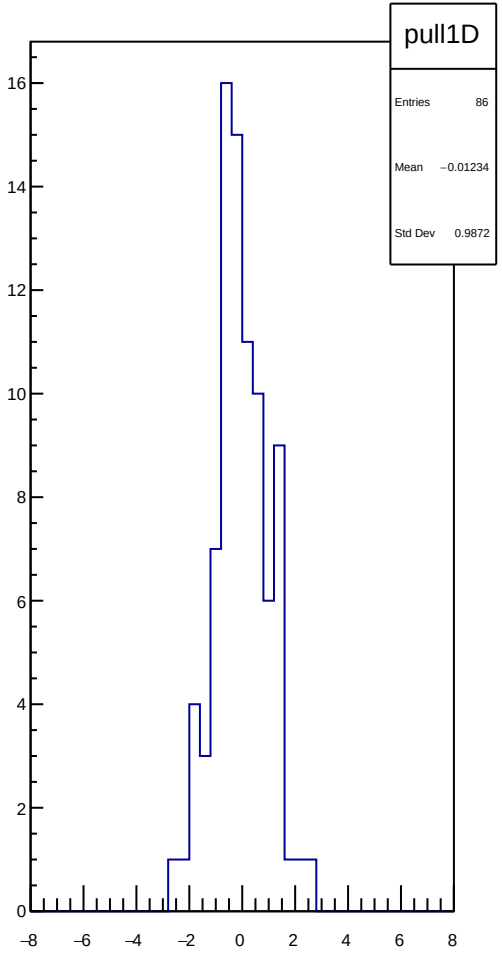

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1707 / 85
p0 1483 ± 1.153
1650
1600
1550
1500
1450
1400


asym_sam_15_48_dd_mean vs run
χ² / ndf 92.48 / 85
p0 −865.1± 1632
pull
Entries 86
Mean −194.9
Std Dev 242.7

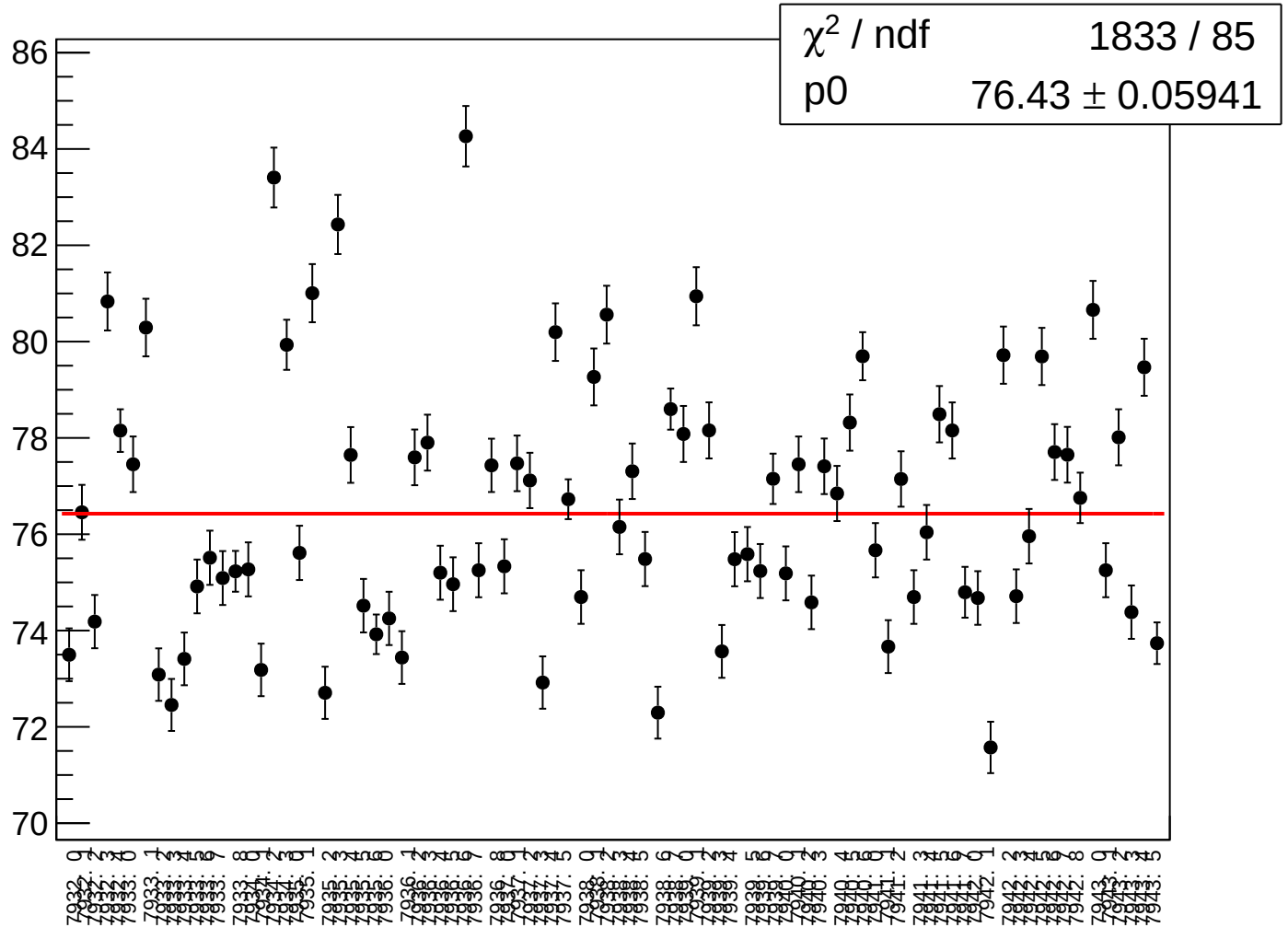

pull1D
Entries 86
Mean −0.006296
Std Dev 1.037

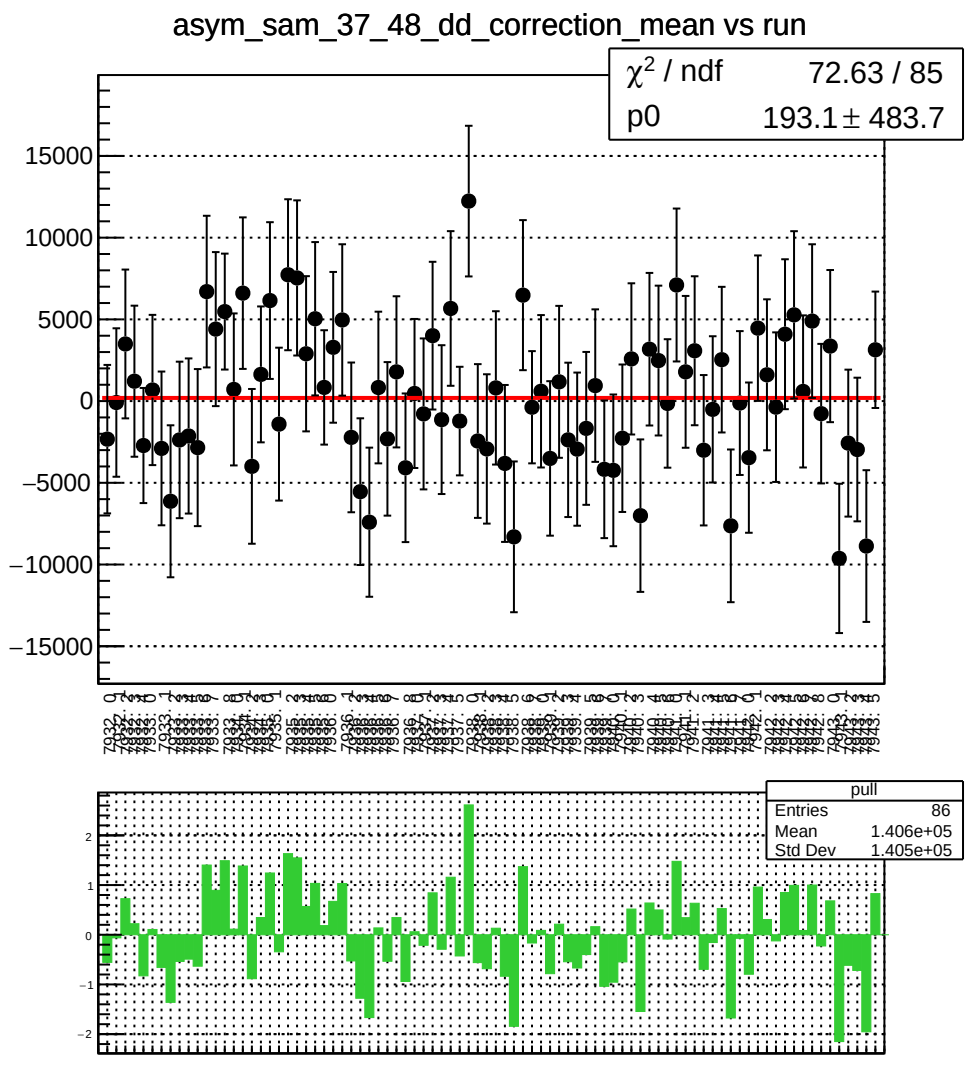

asym_sam_15_48_dd_rms vs run
χ² / ndf 1607 / 85
p0 1484 ± 1.154
1650
1600
1550
1500
1450
1400

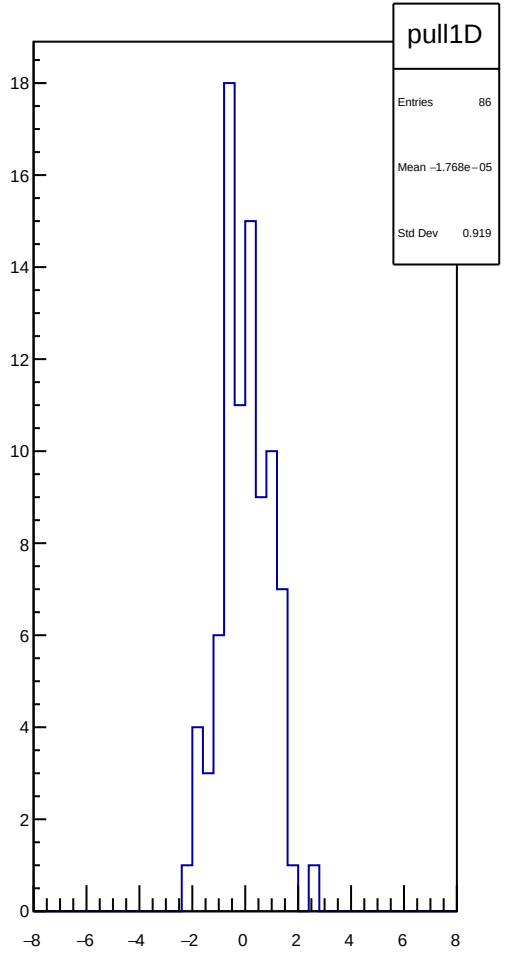

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 83.82 / 85
p0 106.9 ± 84.02
pull
Entries 86
Mean −99.89
Std Dev 133.6

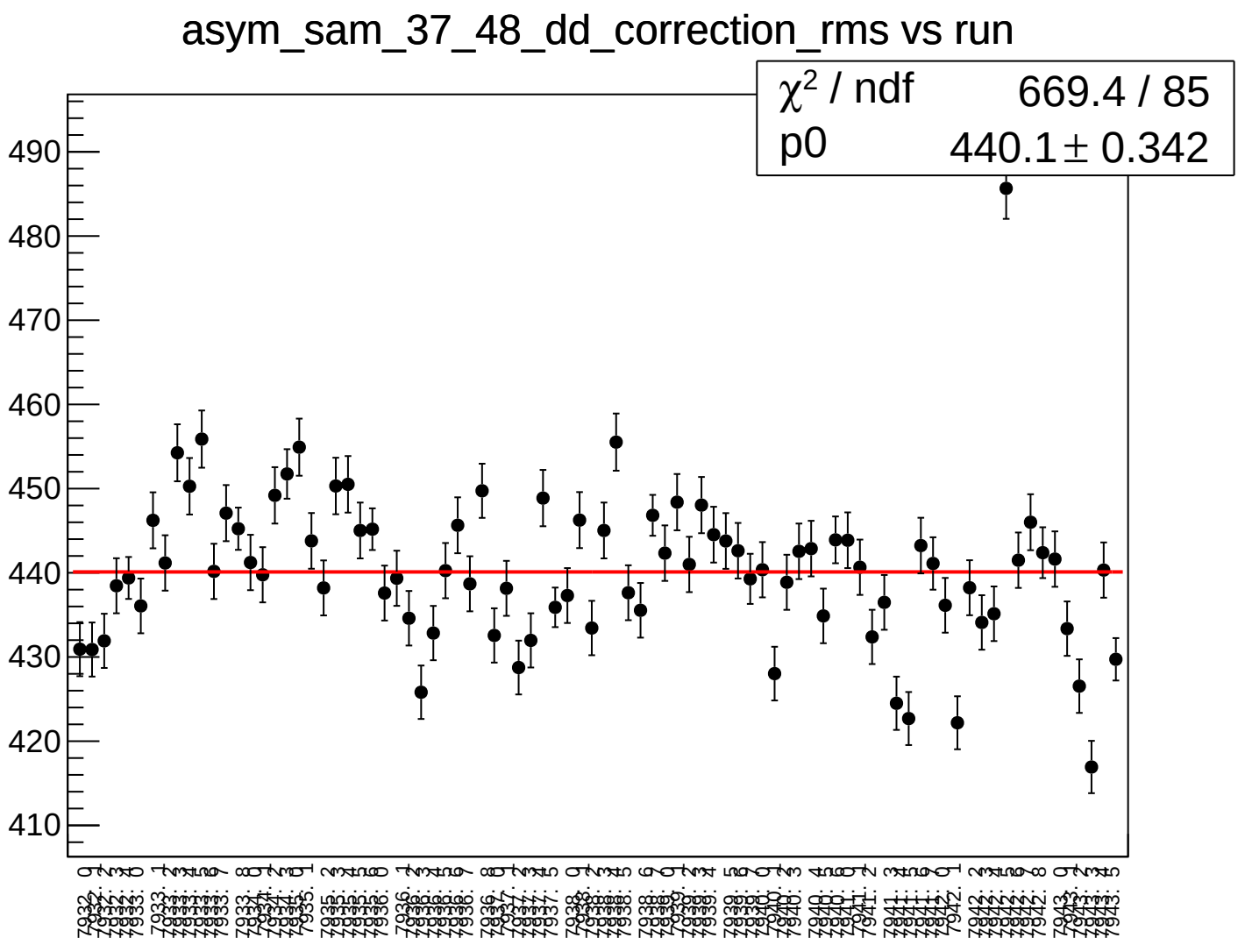

pull1D
Entries 86
Mean −0.01234
Std Dev 0.9872

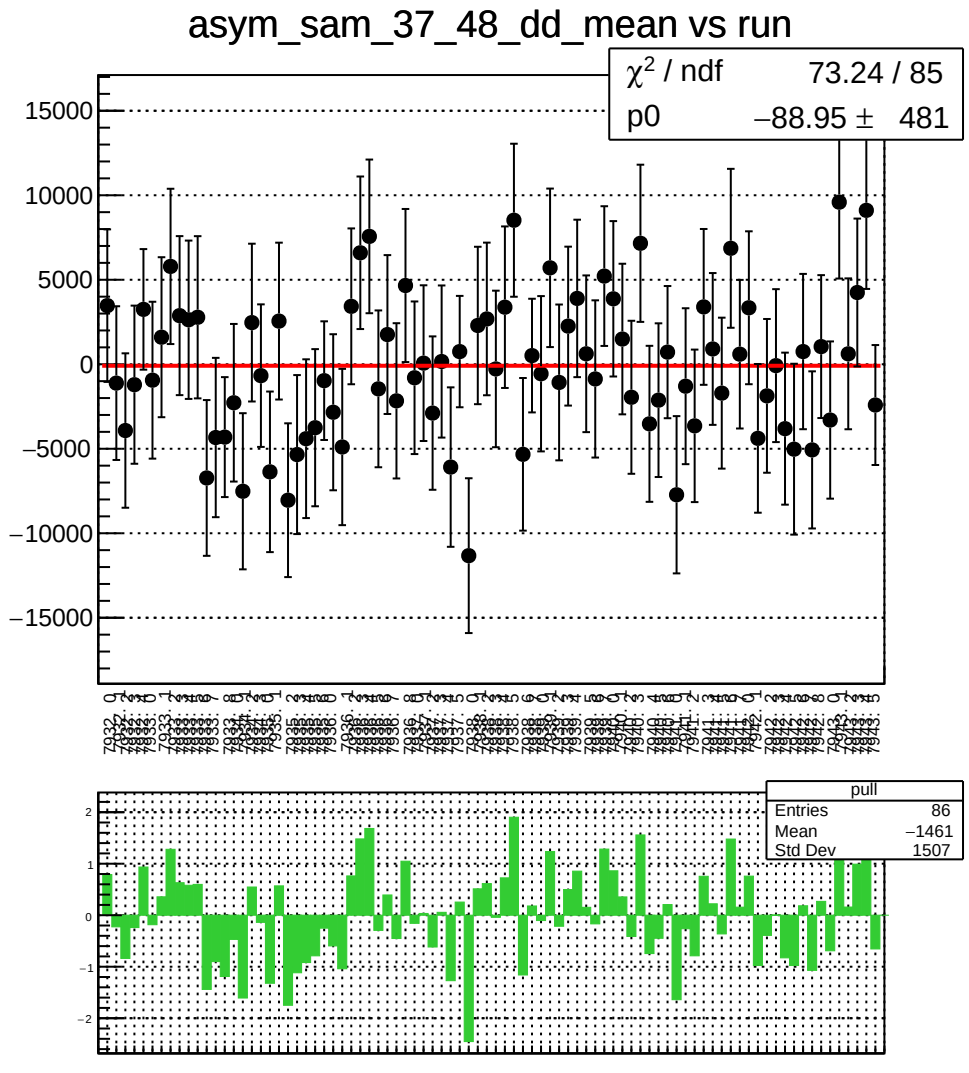
dit_asym_sam_37_48_dd_rms vs run

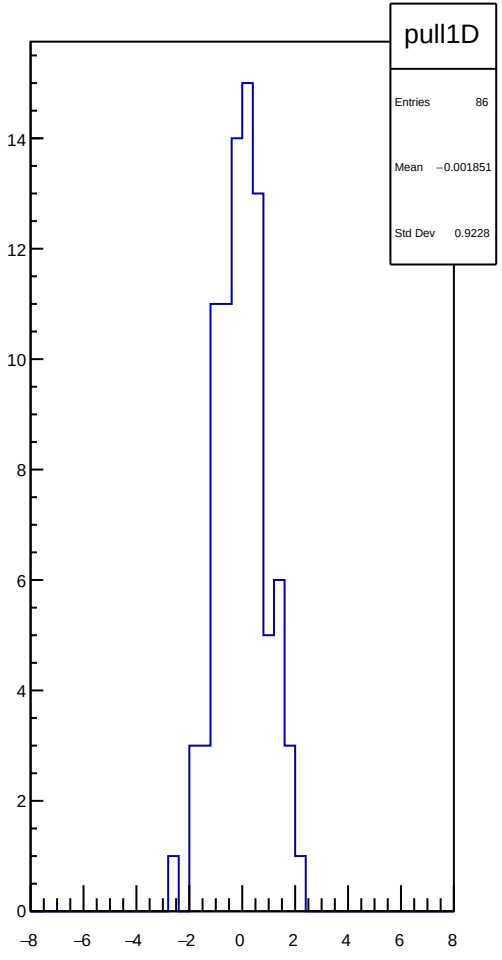


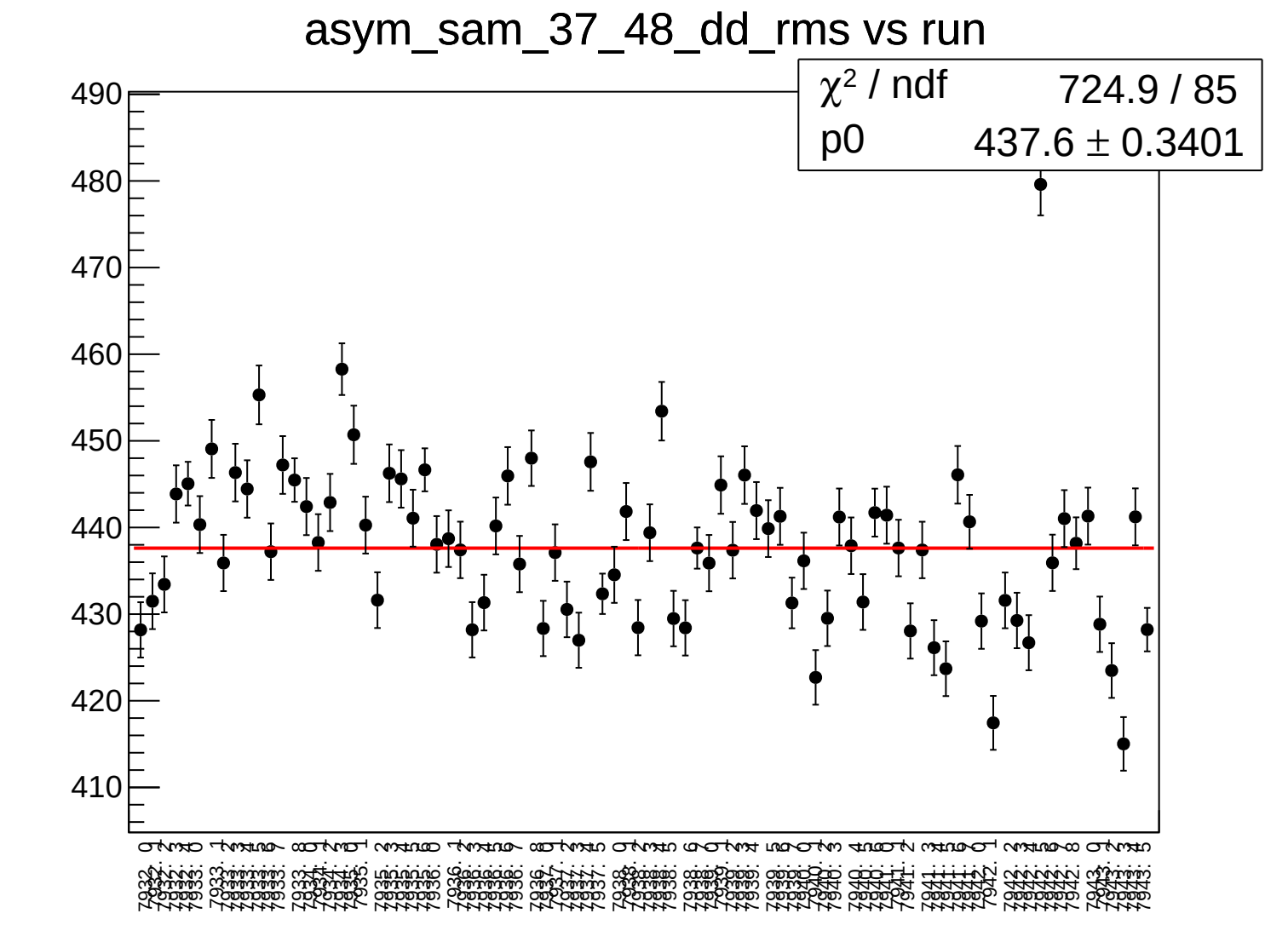

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 72.63 / 85
p0 193.1 ± 483.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 1.406e+05
Std Dev 1.405e+05
2
1
0
−1
−2

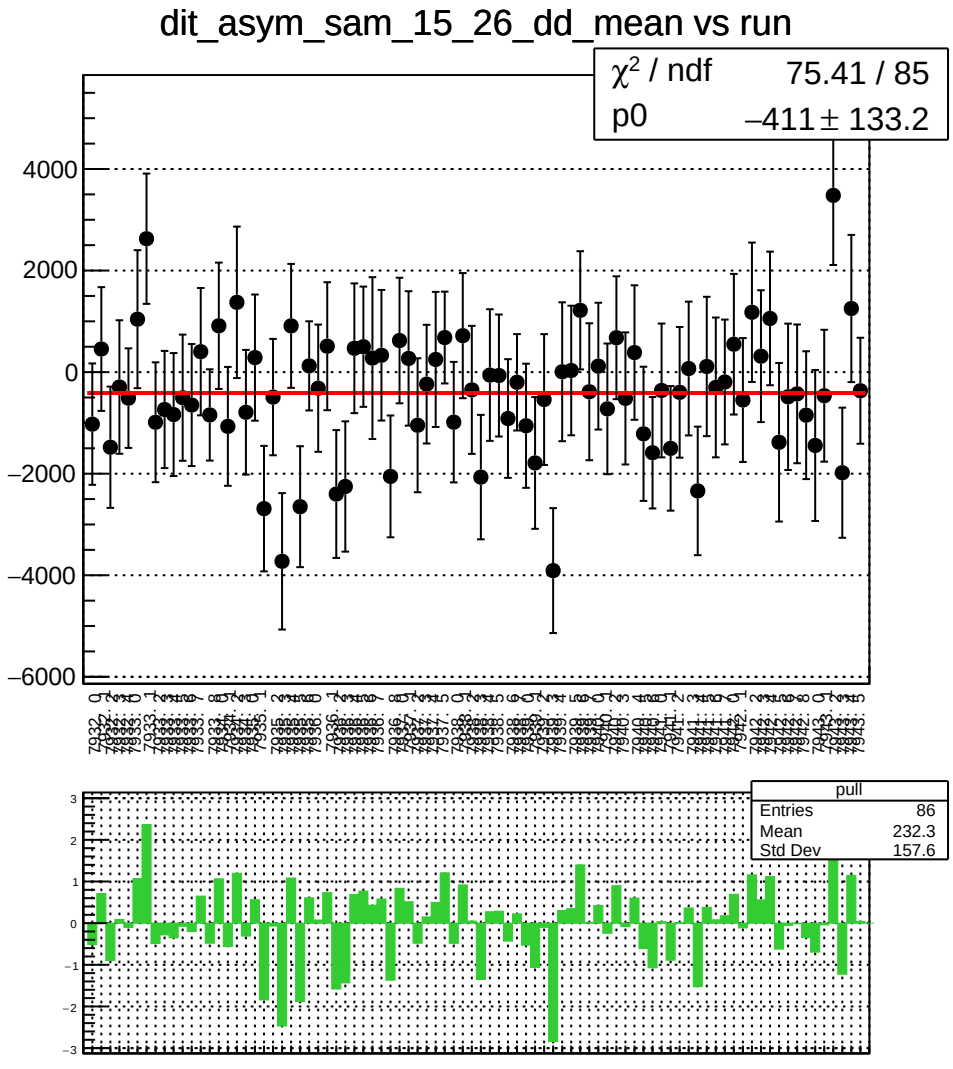

pull1D
Entries 86
Mean −1.768e−05
Std Dev 0.919
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

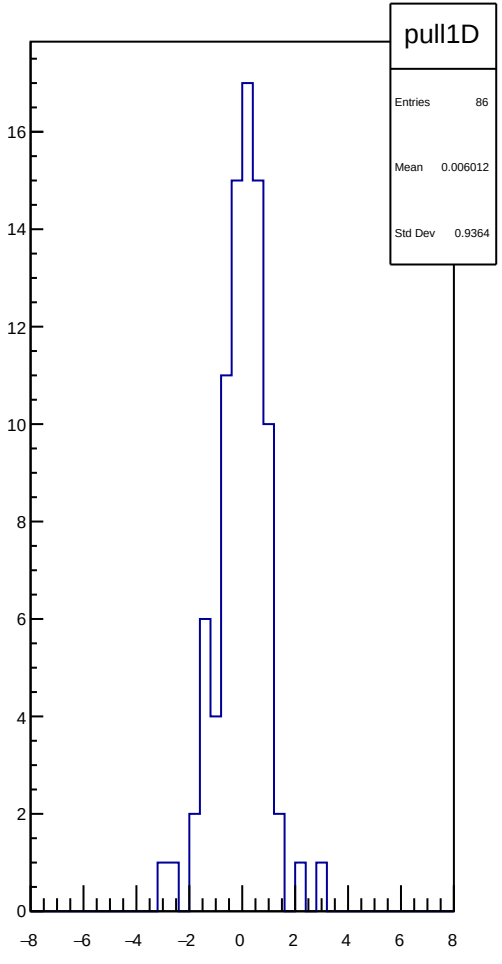

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 669.4 / 85
p0 440.1 ± 0.342
490
480
470
460
450
440
430
420
410

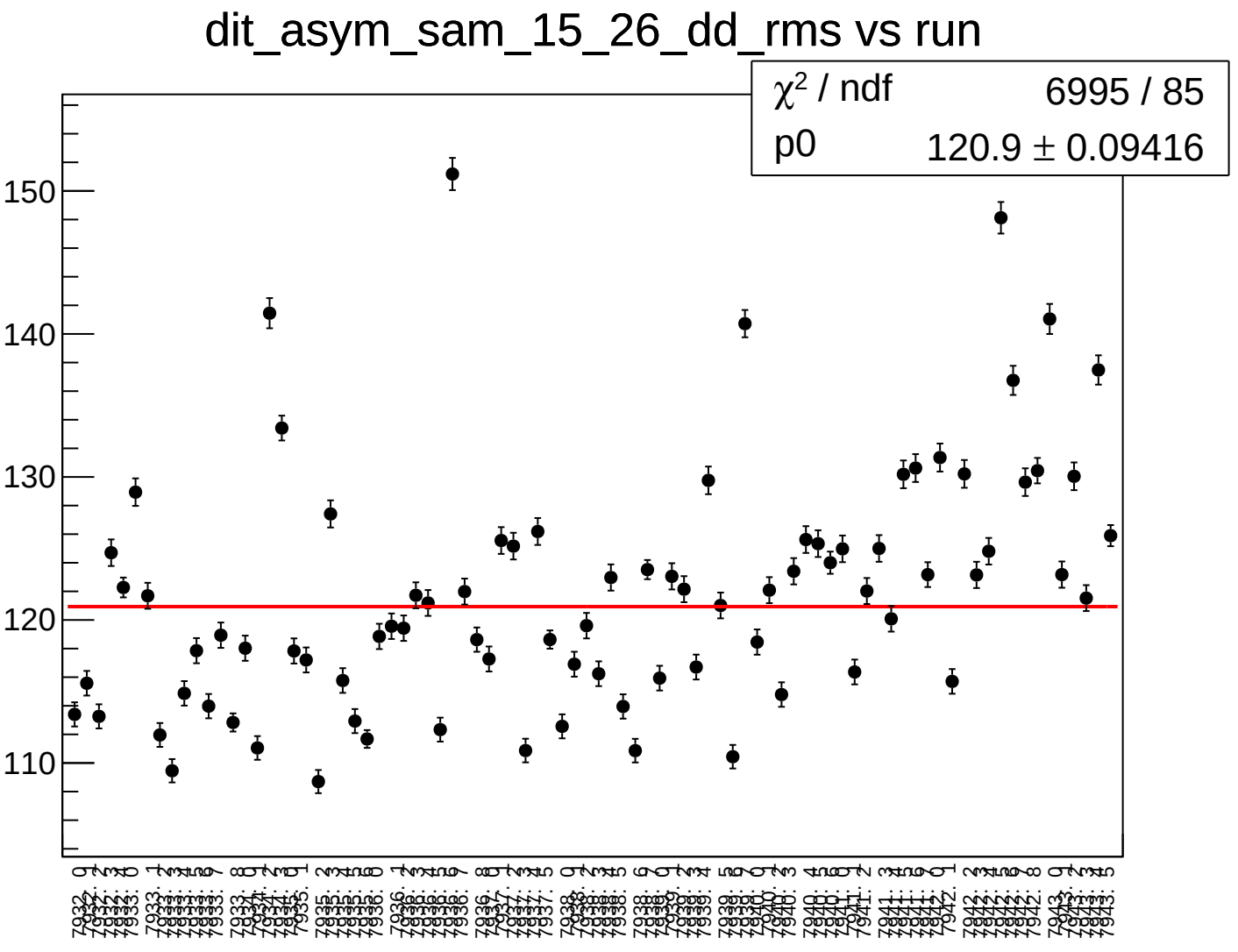

asym_sam_37_48_dd_mean vs run
χ² / ndf 73.24 / 85
p0 −88.95 ± 481
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −1461
Std Dev 1507
2
1
0
−1
−2

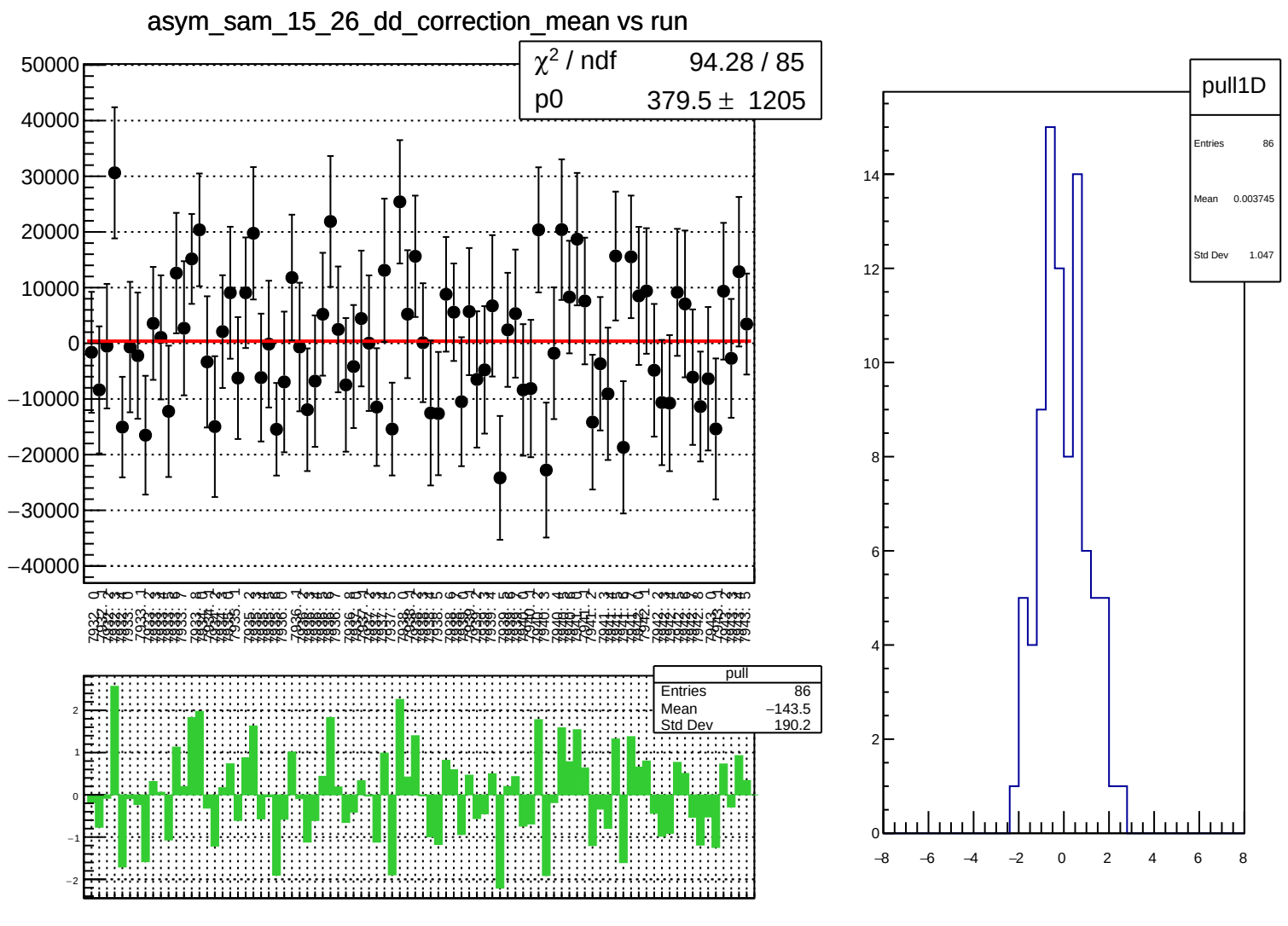

pull1D
Entries 86
Mean −0.001851
Std Dev 0.9228
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

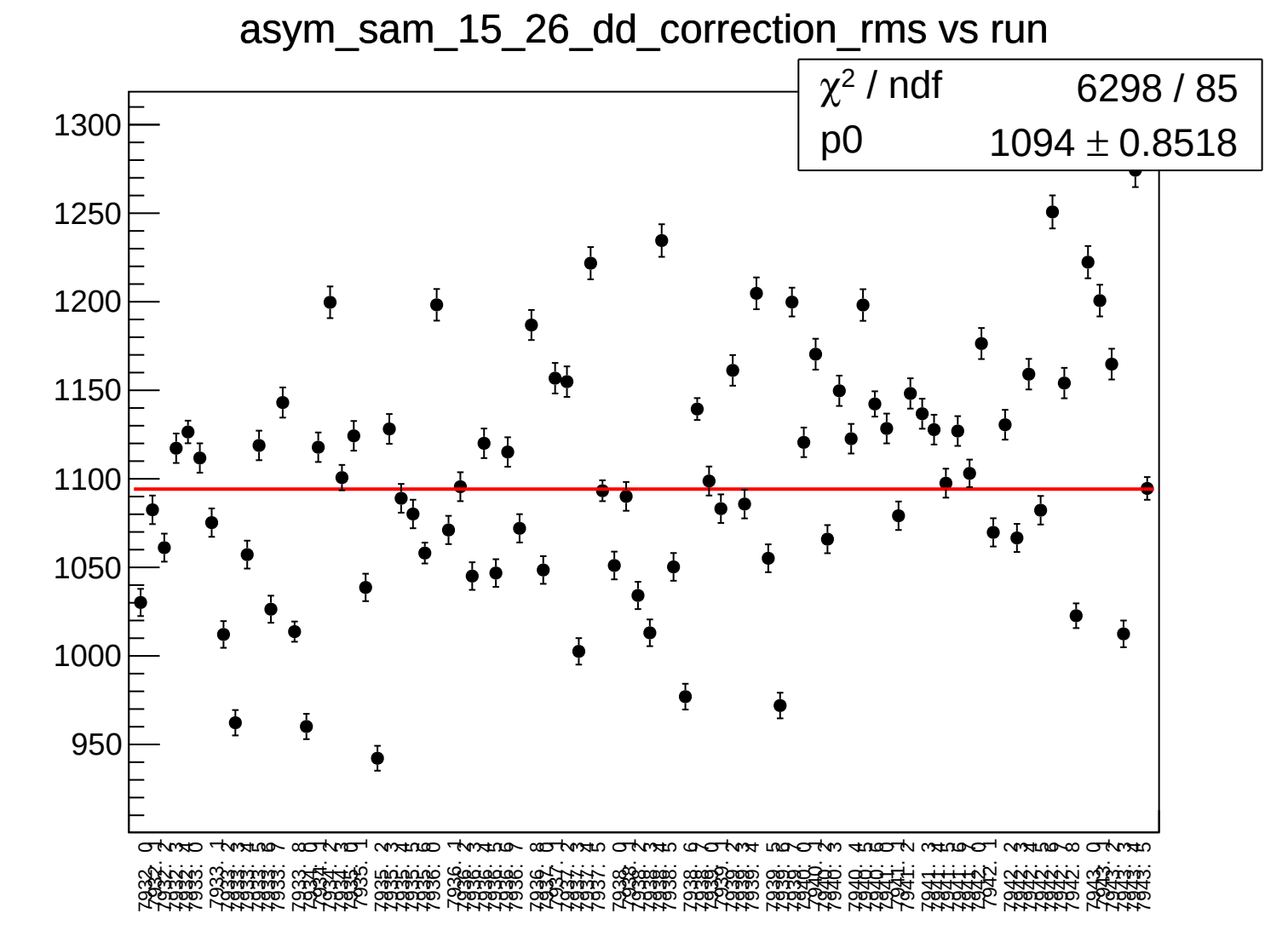

asym_sam_37_48_dd_rms vs run
χ² / ndf 724.9 / 85
p0 437.6 ± 0.3401
490
480
470
460
450
440
430
420
410

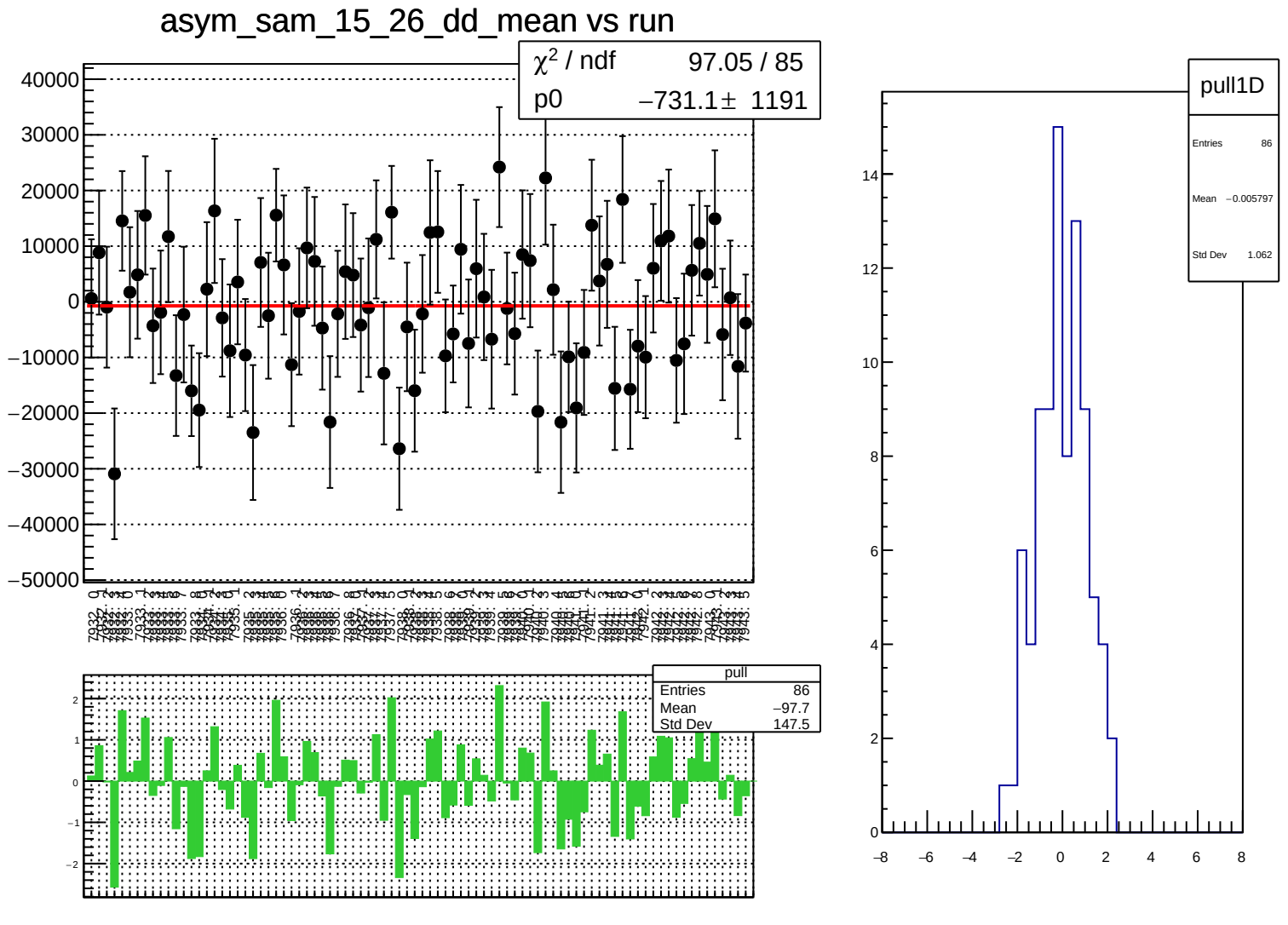

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 75.41 / 85
p0 –411 ± 133.2
4000
2000
0
–2000
–4000
–6000
pull
Entries 86
Mean 232.3
Std Dev 157.6
3
2
1
0
–1
–2
–3

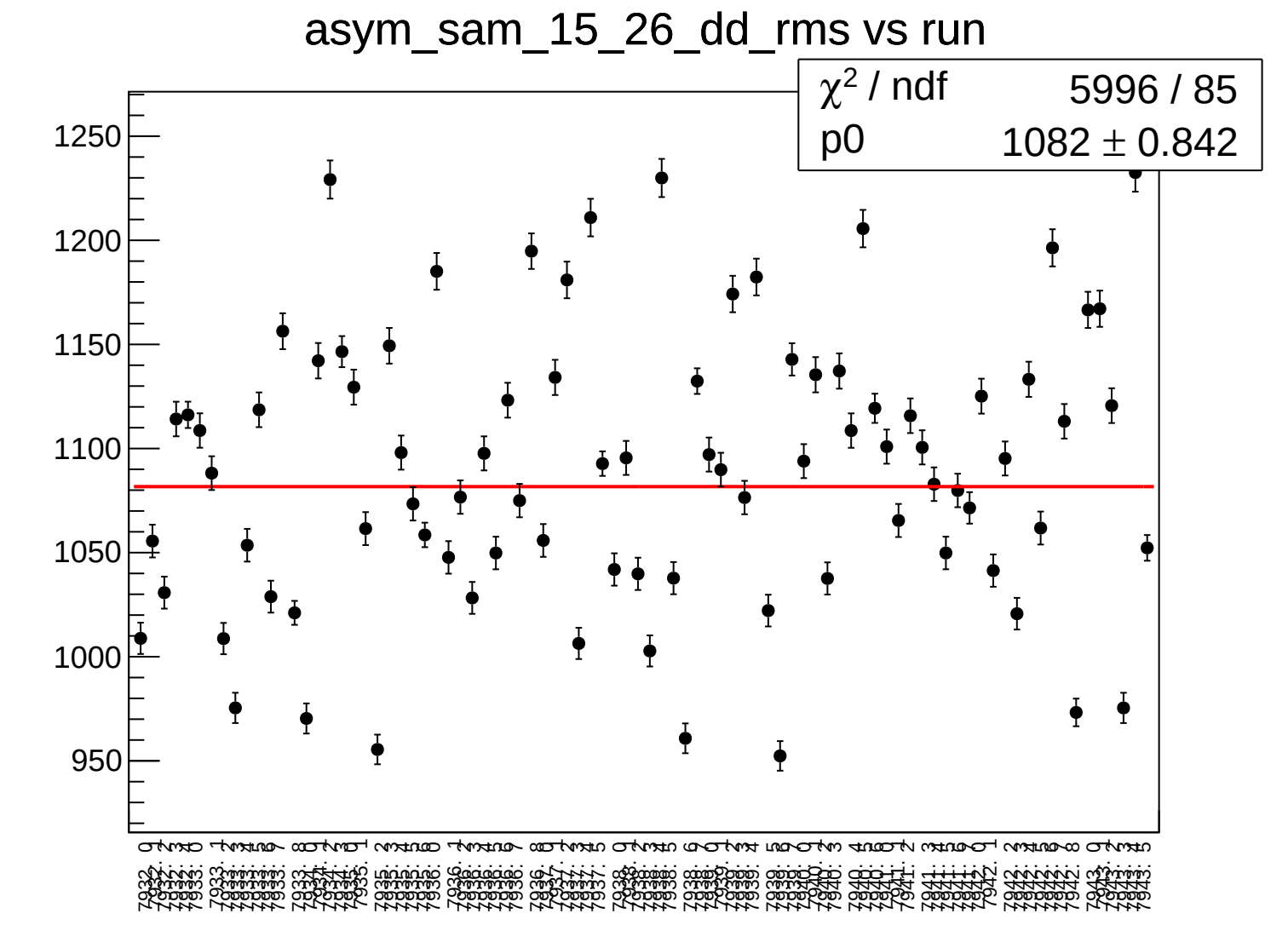

pull1D
Entries 86
Mean 0.006012
Std Dev 0.9364
16
14
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

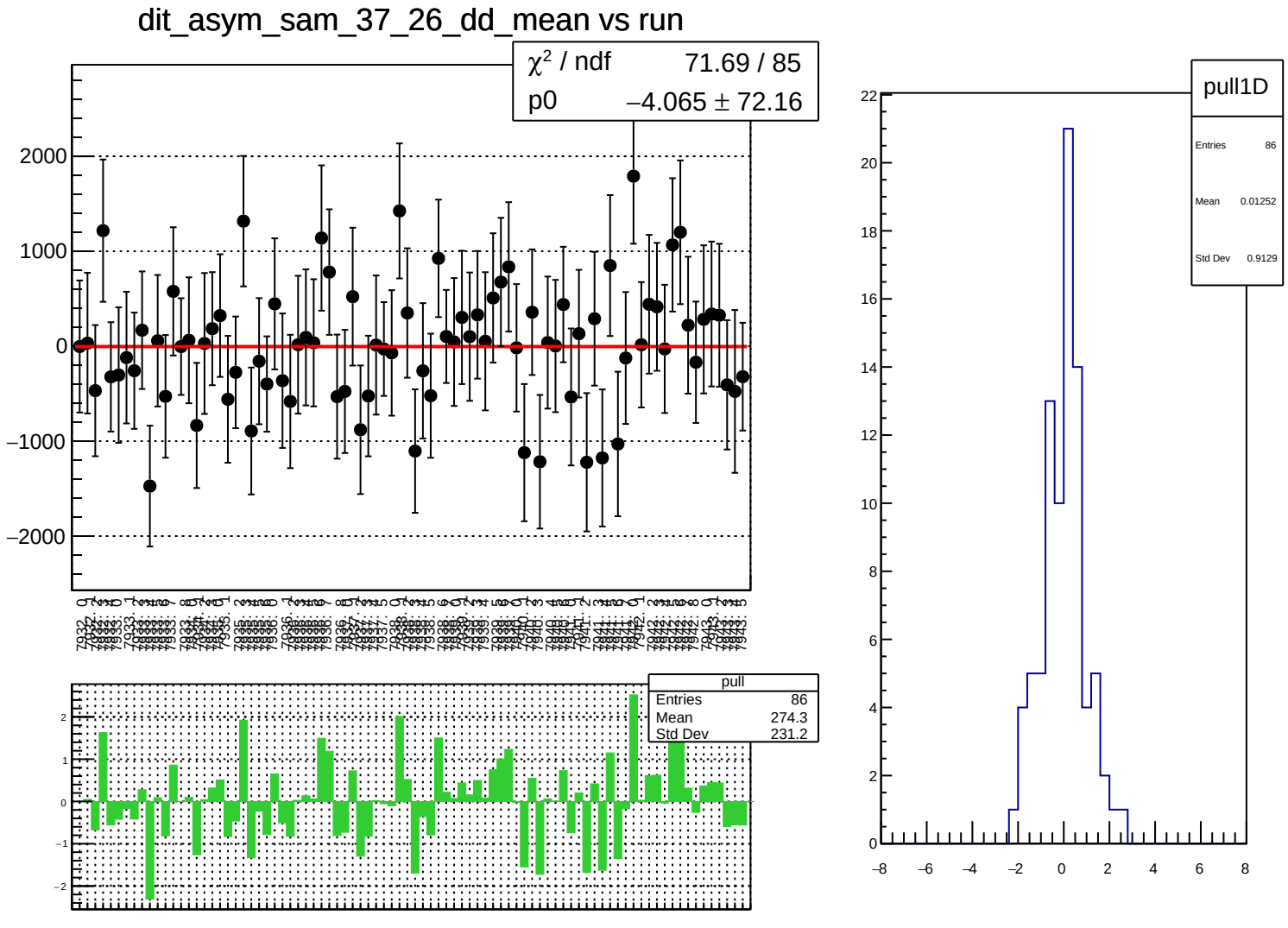

dit_asym_sam_15_26_dd_rms vs run
χ^2 / ndf 6995 / 85
p0 120.9 ± 0.09416
150
140
130
120
110

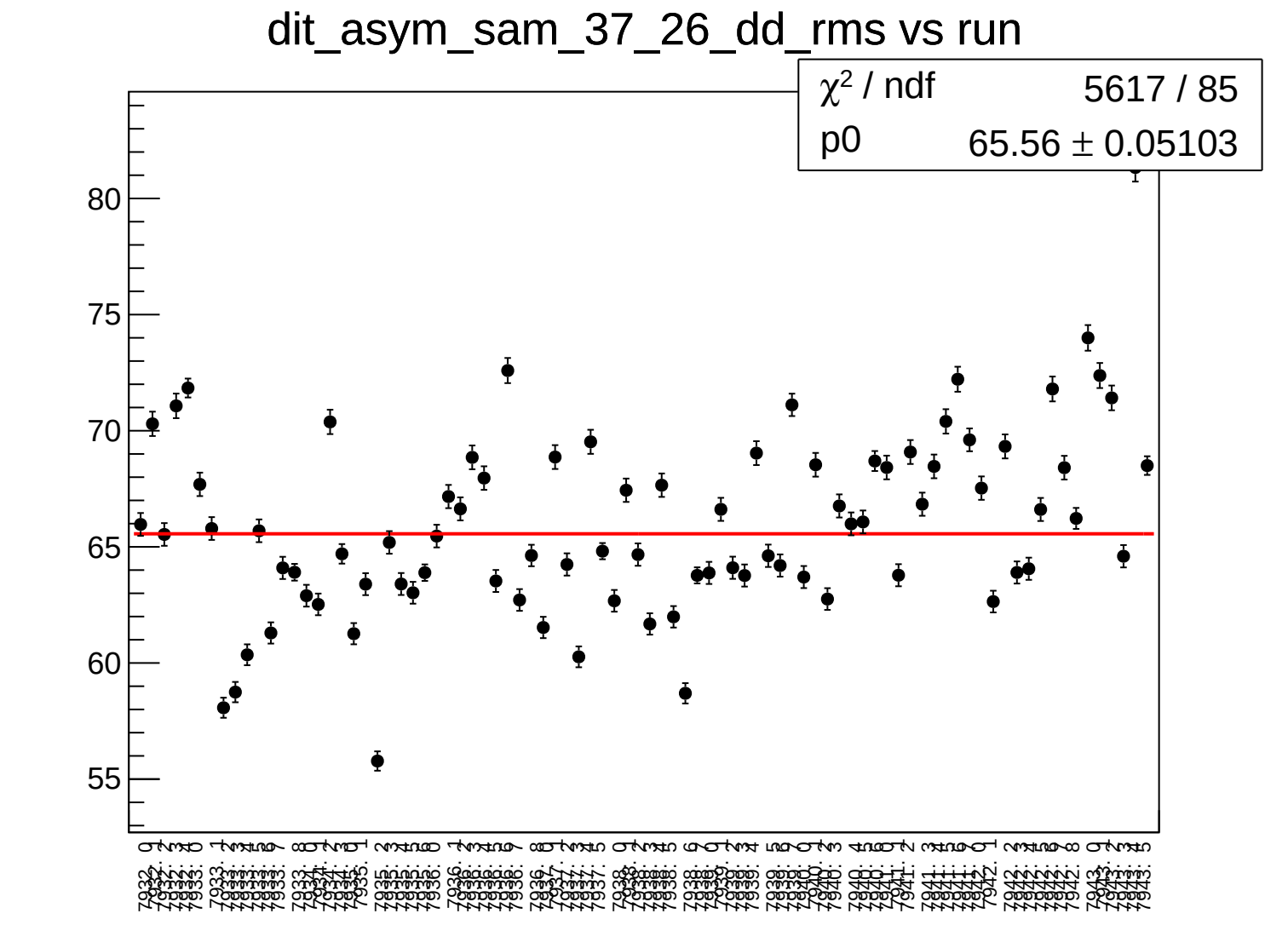

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 94.28 / 85
p0 379.5 ± 1205
pull
Entries 86
Mean −143.5
Std Dev 190.2
pull1D
Entries 86
Mean 0.003745
Std Dev 1.047

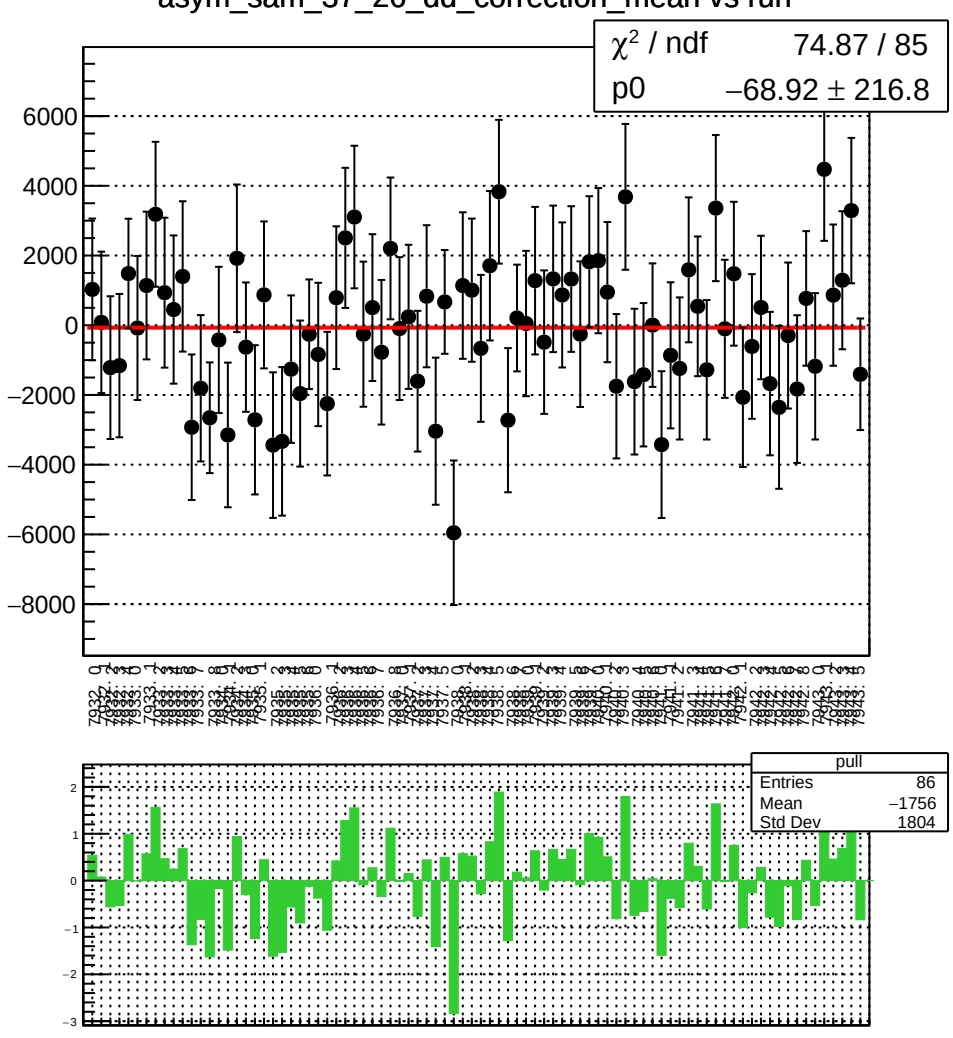

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 6298 / 85
p0 1094 ± 0.8518
1300
1250
1200
1150
1100
1050
1000
950

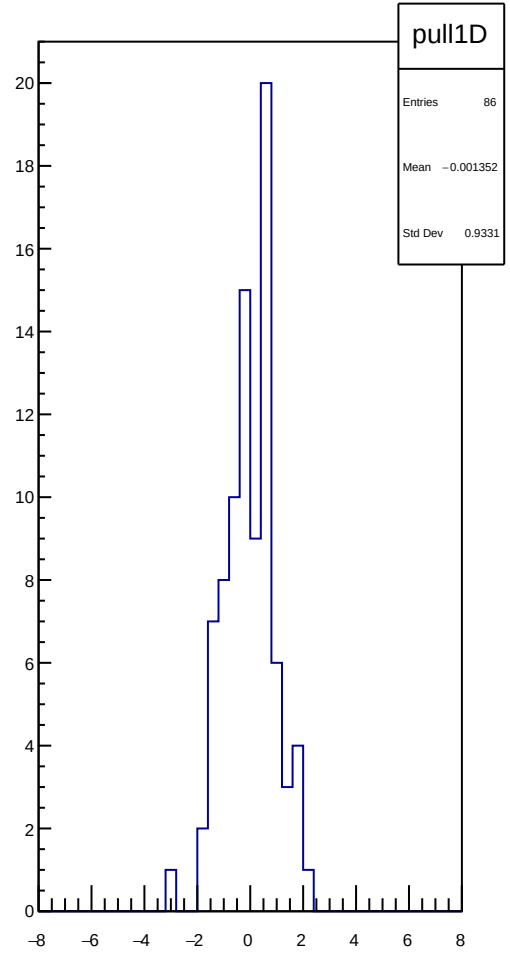

asym_sam_15_26_dd_mean vs run
χ² / ndf 97.05 / 85
p0 −731.1± 1191
pull
Entries 86
Mean −97.7
Std Dev 147.5
pull1D
Entries 86
Mean −0.005797
Std Dev 1.062

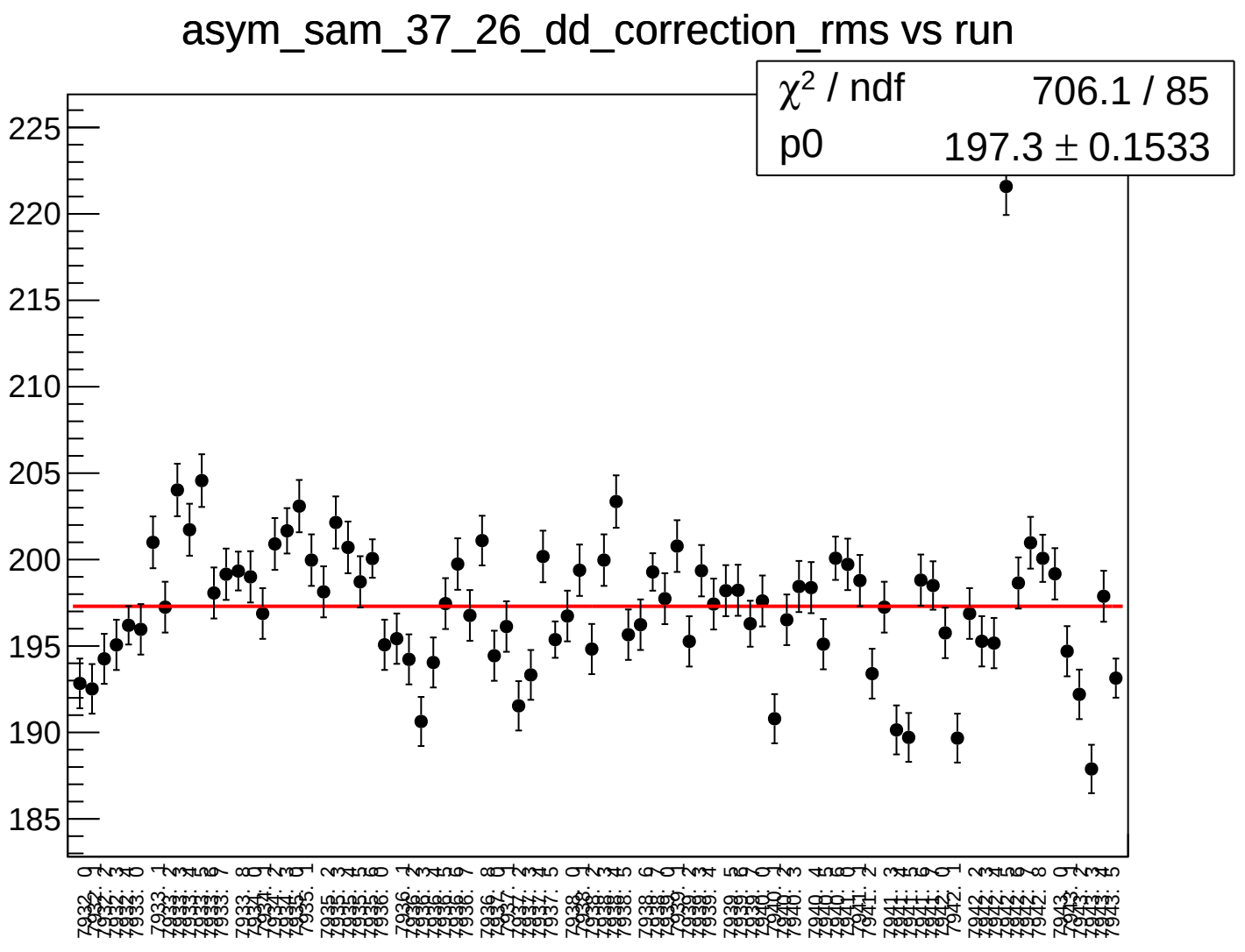

asym_sam_15_26_dd_rms vs run
χ² / ndf 5996 / 85
p0 1082 ± 0.842
1250
1200
1150
1100
1050
1000
950

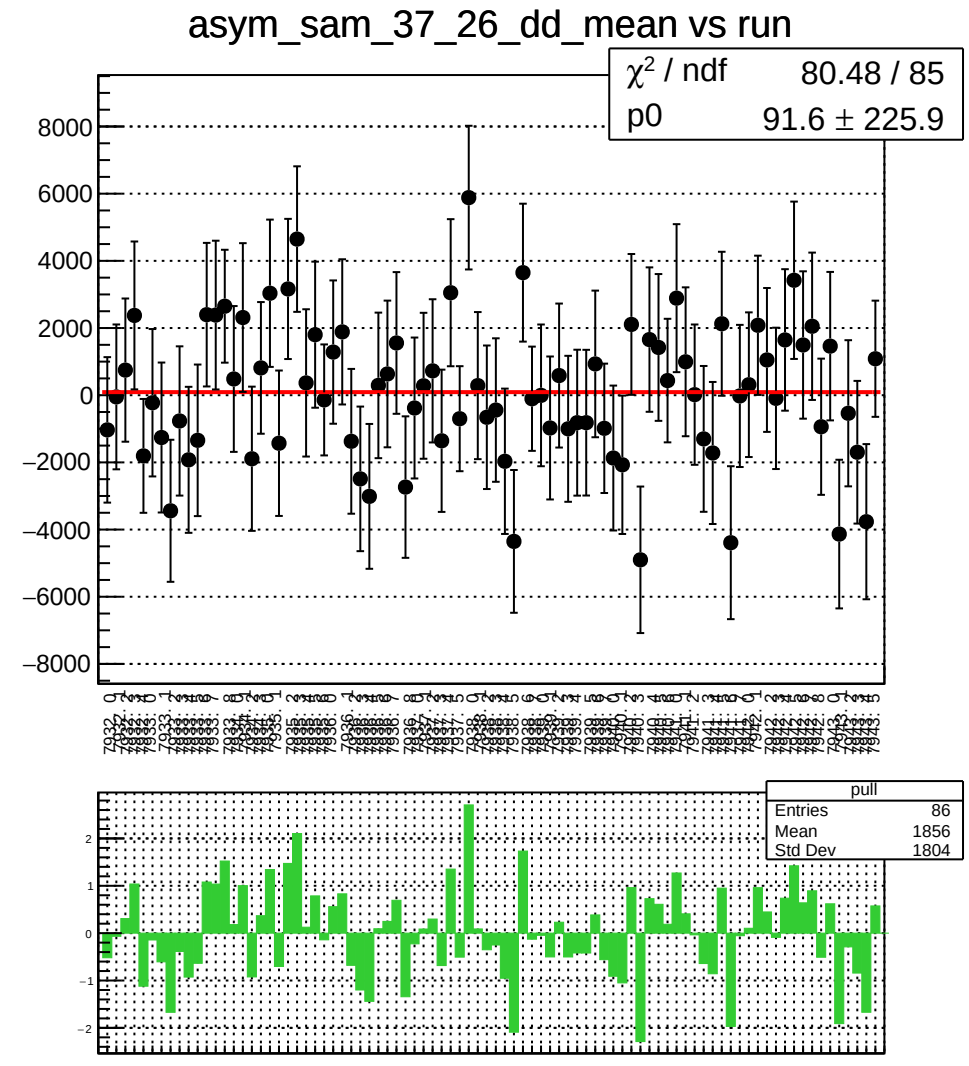

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 71.69 / 85
p0 −4.065 ± 72.16
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 274.3
Std Dev 231.2
pull1D
Entries 86
Mean 0.01252
Std Dev 0.9129
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

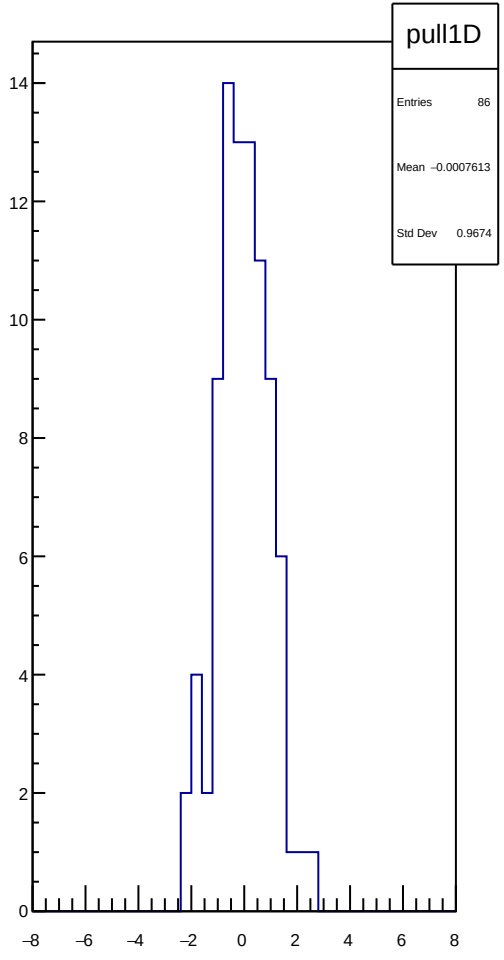

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 5617 / 85
p0 65.56 ± 0.05103
80
75
70
65
60
55

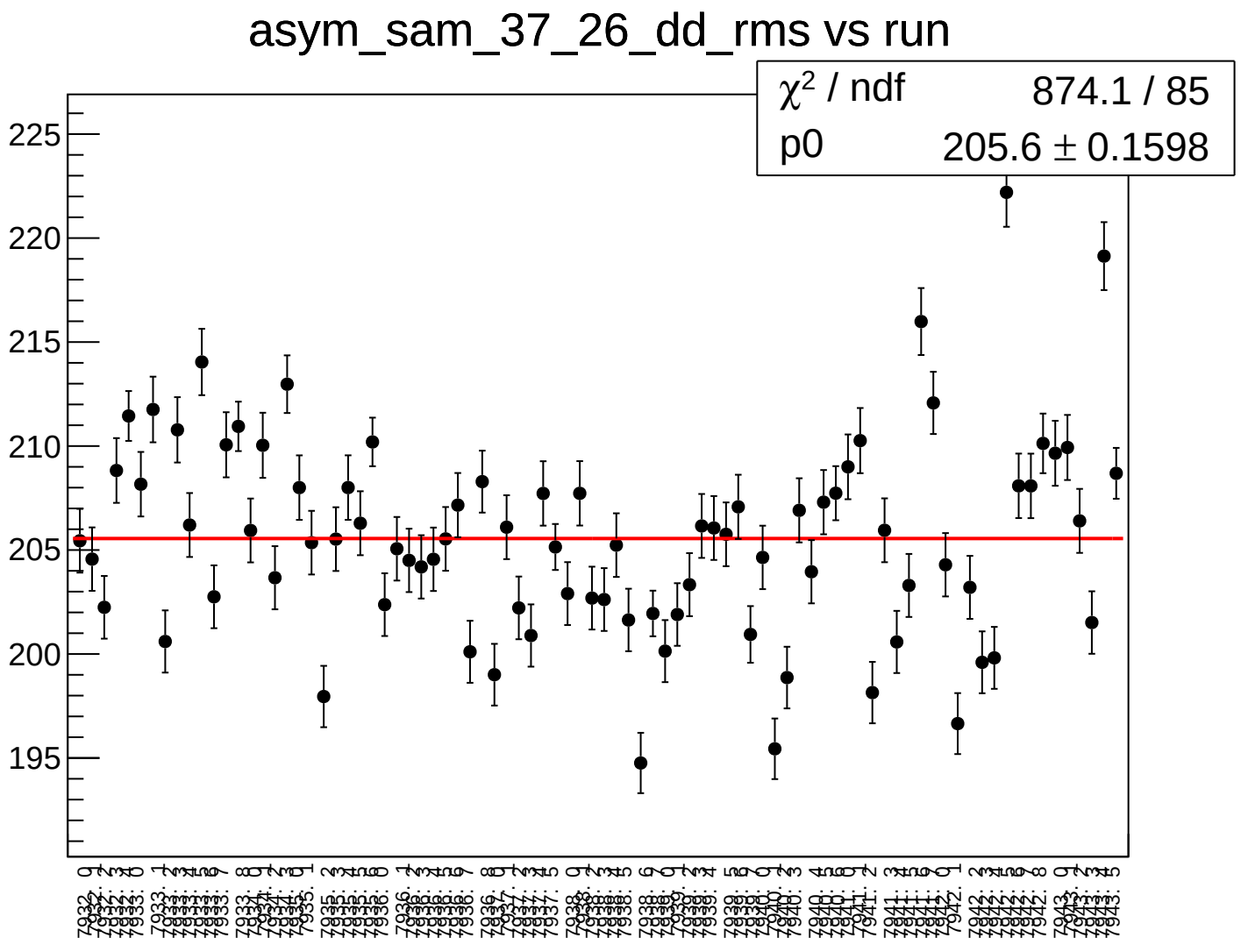

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 74.87 / 85
p0 −68.92 ± 216.8
pull
Entries 86
Mean −1756
Std Dev 1804

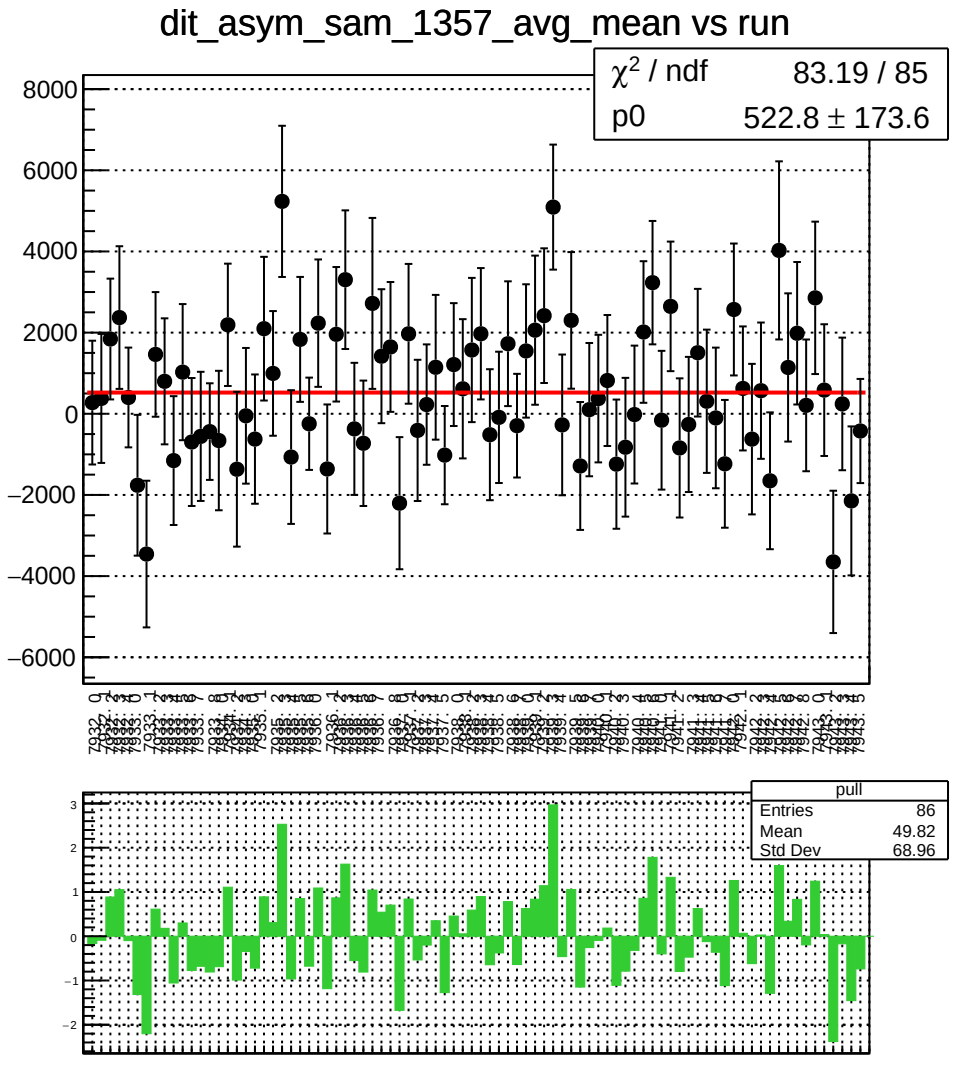

pull1D
Entries 86
Mean −0.001352
Std Dev 0.9331

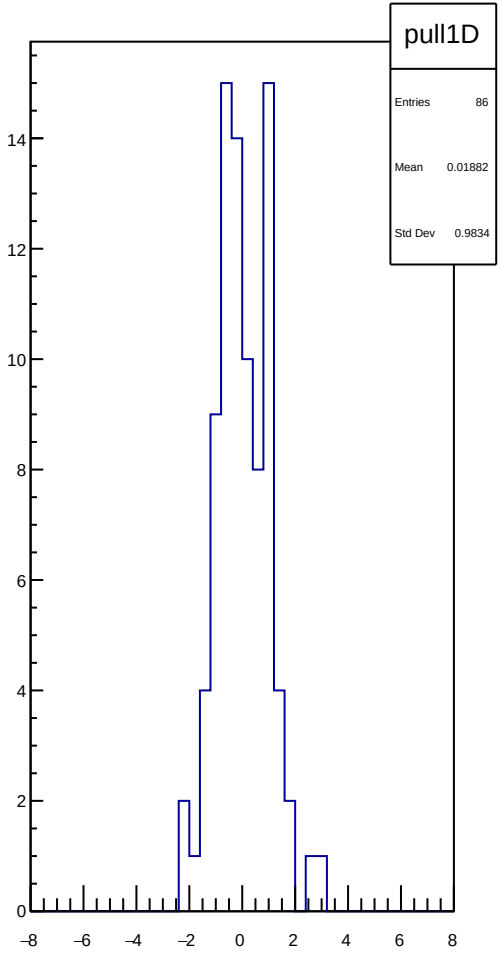

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 706.1 / 85
p0 197.3 ± 0.1533
225
220
215
210
205
200
195
190
185

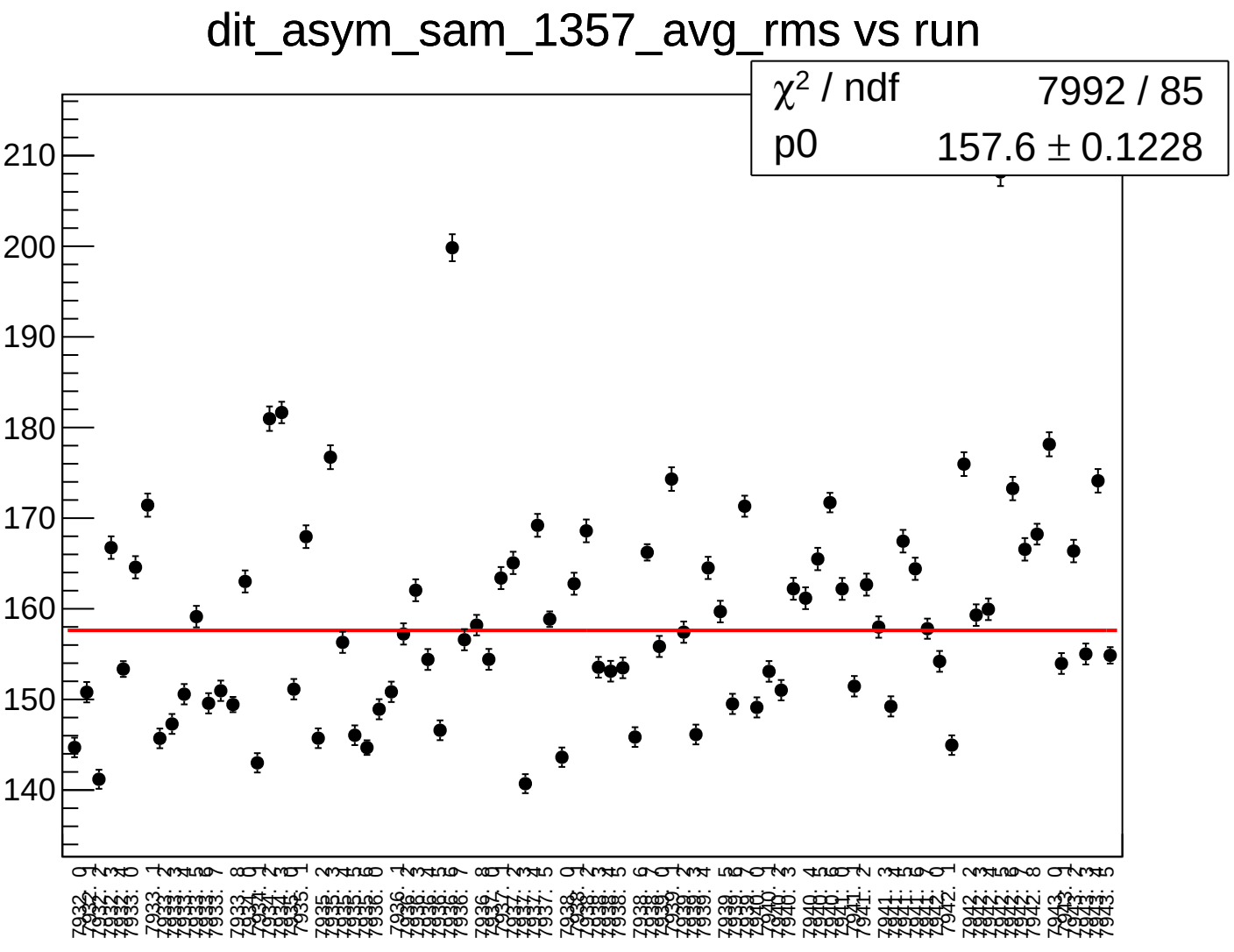

asym_sam_37_26_dd_mean vs run
χ² / ndf 80.48 / 85
p0 91.6 ± 225.9
pull
Entries 86
Mean 1856
Std Dev 1804

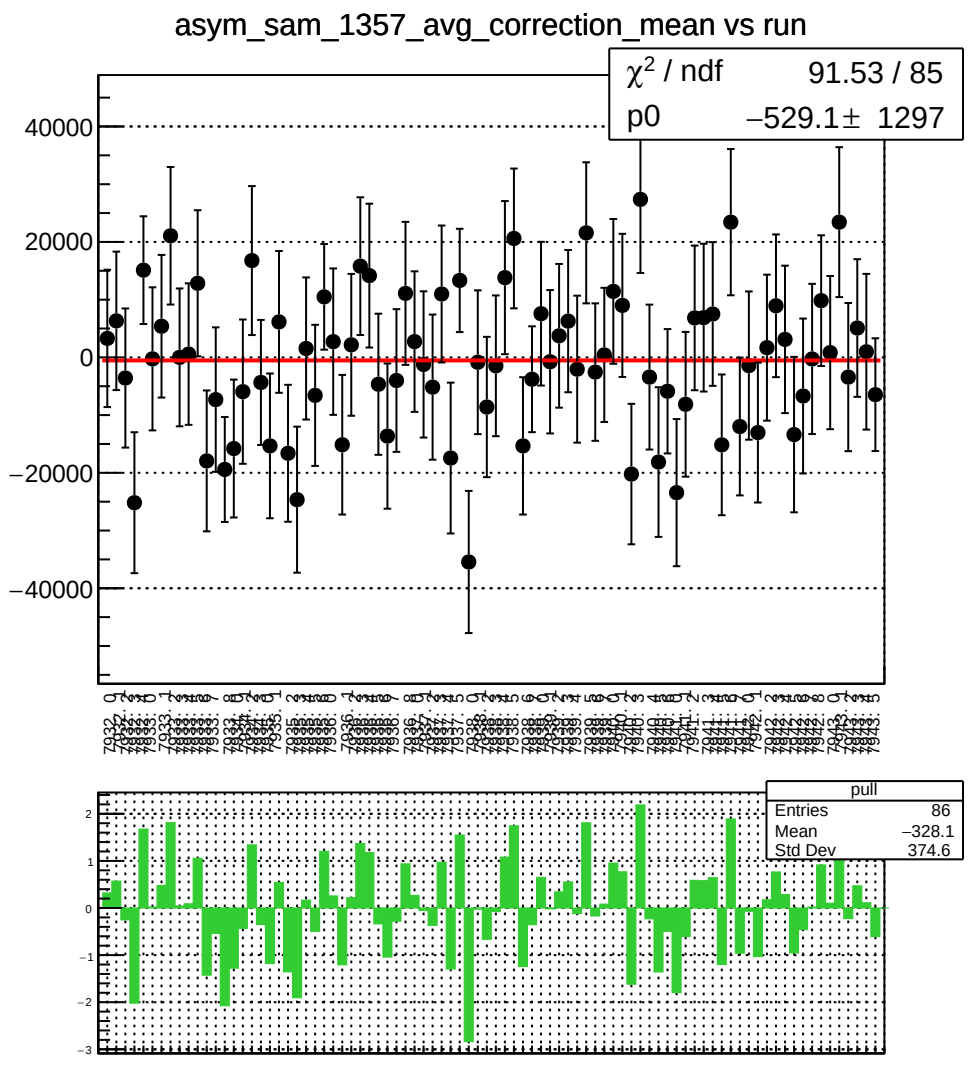

pull1D
Entries 86
Mean −0.0007613
Std Dev 0.9674

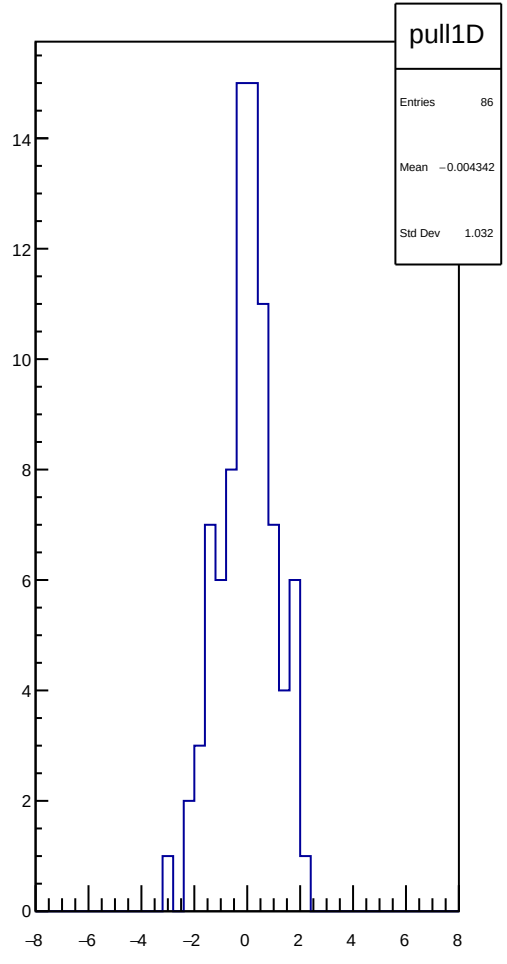

asym_sam_37_26_dd_rms vs run
χ² / ndf 874.1 / 85
p0 205.6 ± 0.1598
225
220
215
210
205
200
195

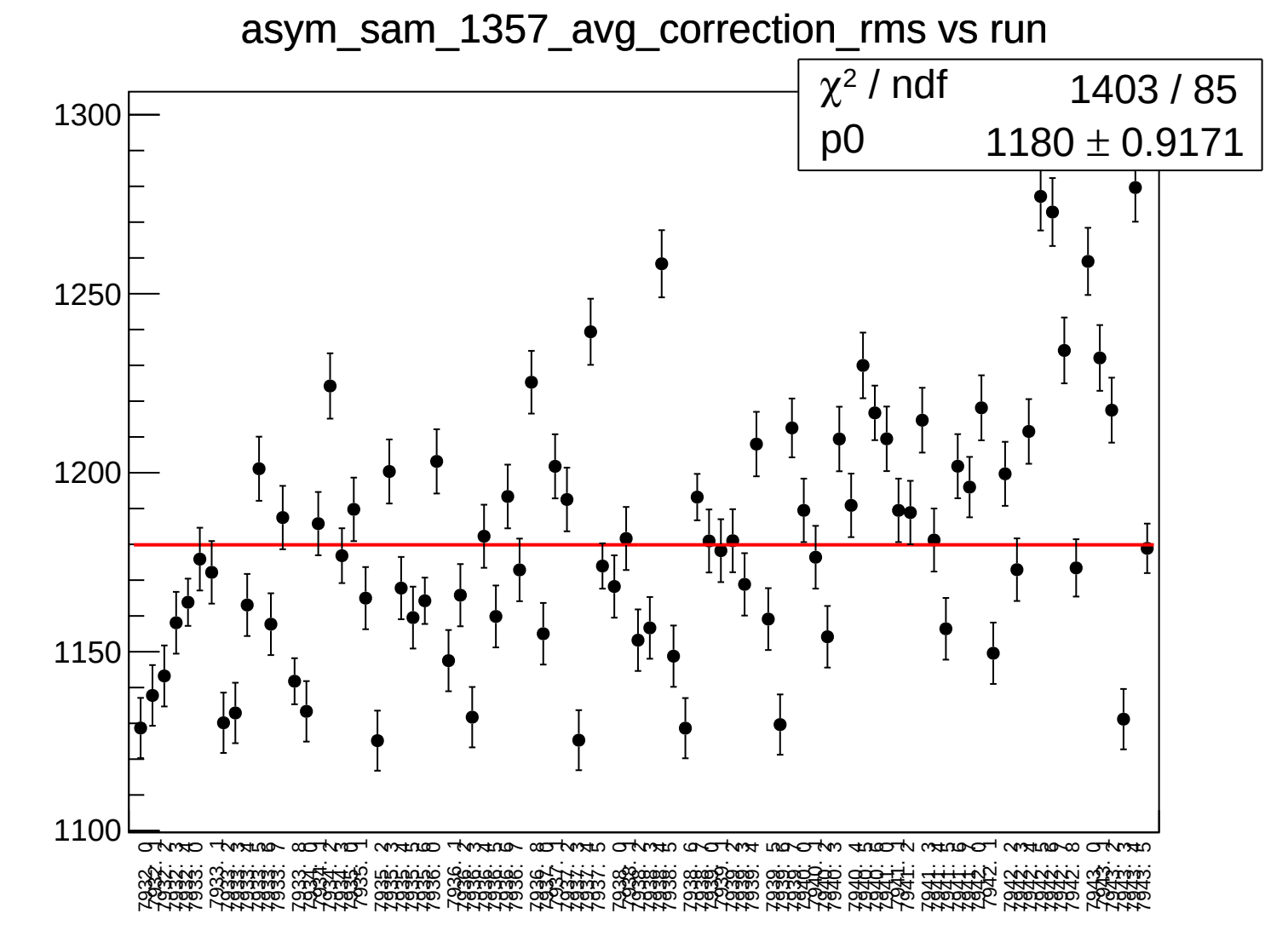

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 83.19 / 85
p0 522.8 ± 173.6
pull
Entries 86
Mean 49.82
Std Dev 68.96

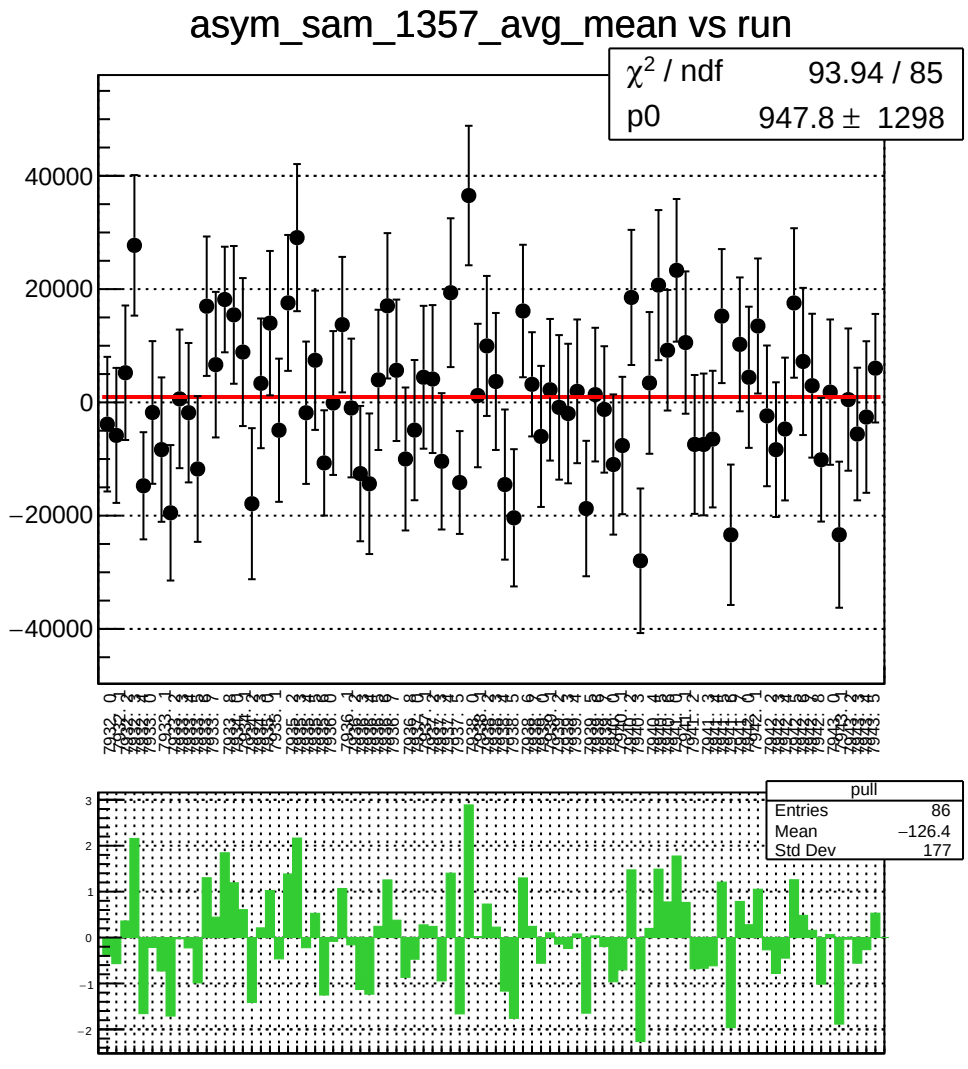

pull1D
Entries 86
Mean 0.01882
Std Dev 0.9834

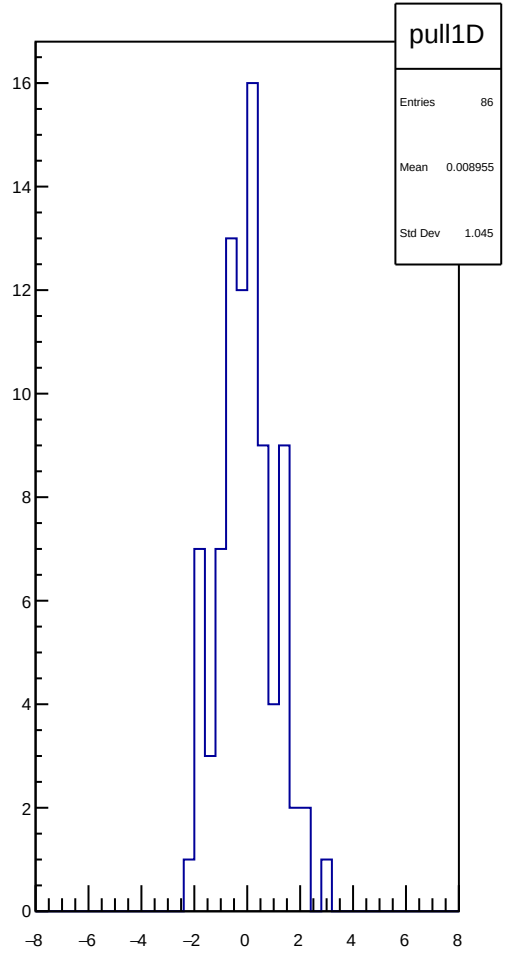

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 7992 / 85
p0 157.6 ± 0.1228
210
200
190
180
170
160
150
140

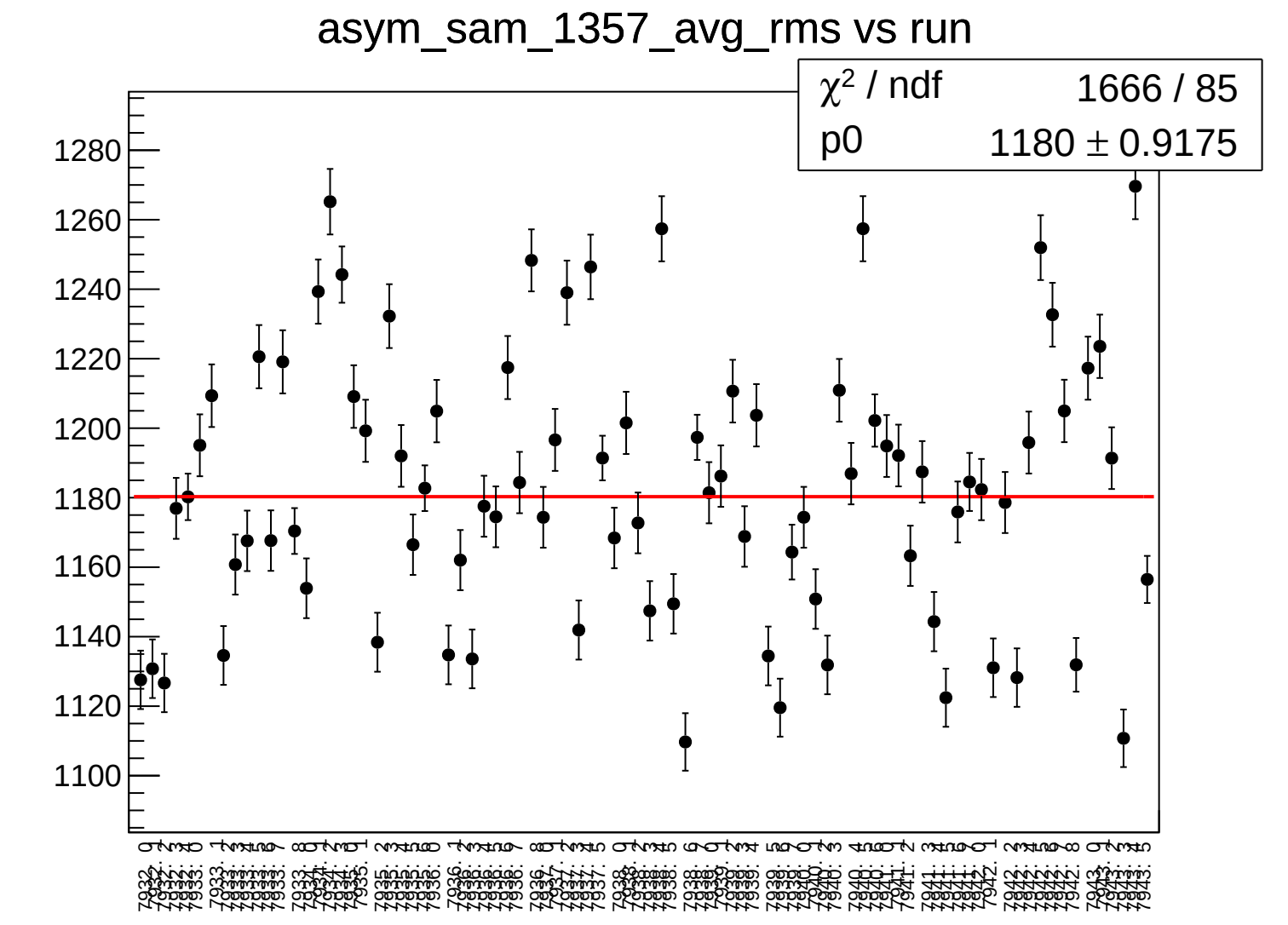

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 91.53 / 85
p0 −529.1± 1297
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −328.1
Std Dev 374.6
2
1
0
−1
−2
−3

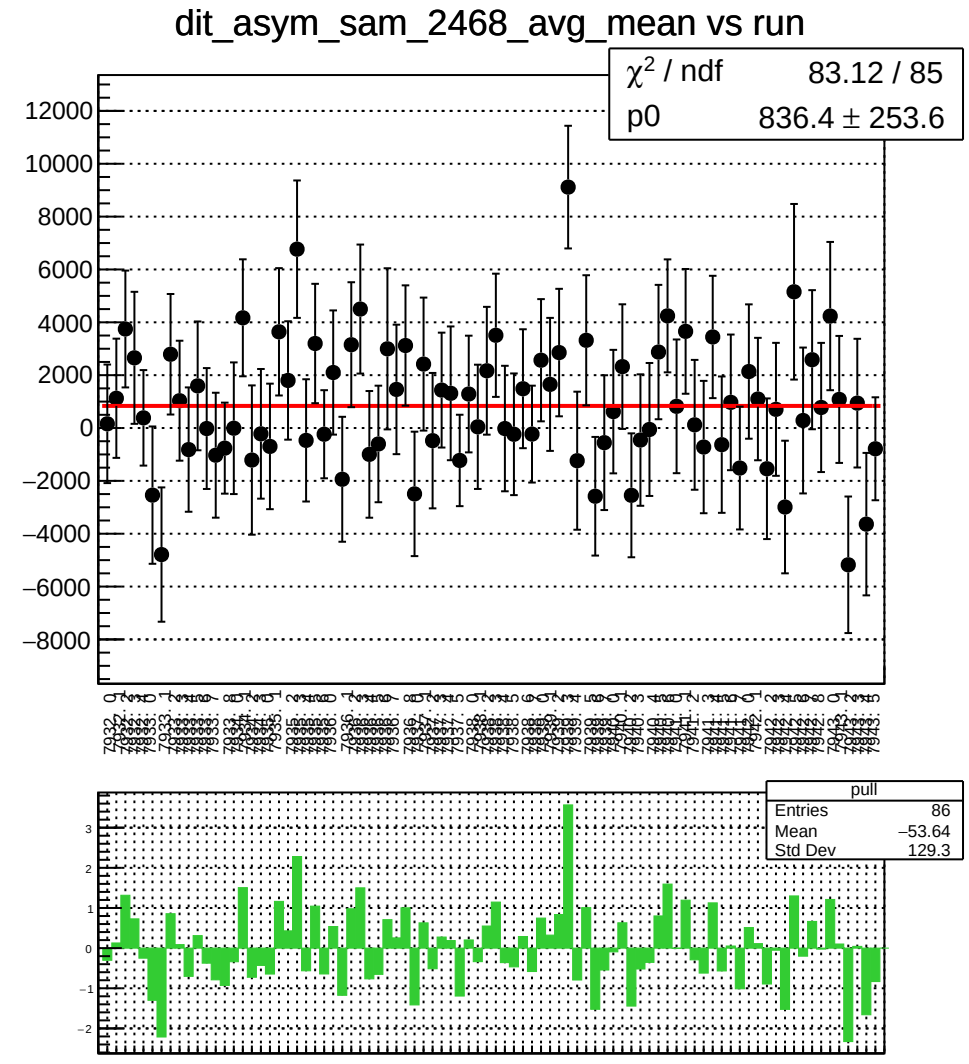

pull1D
Entries 86
Mean −0.004342
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

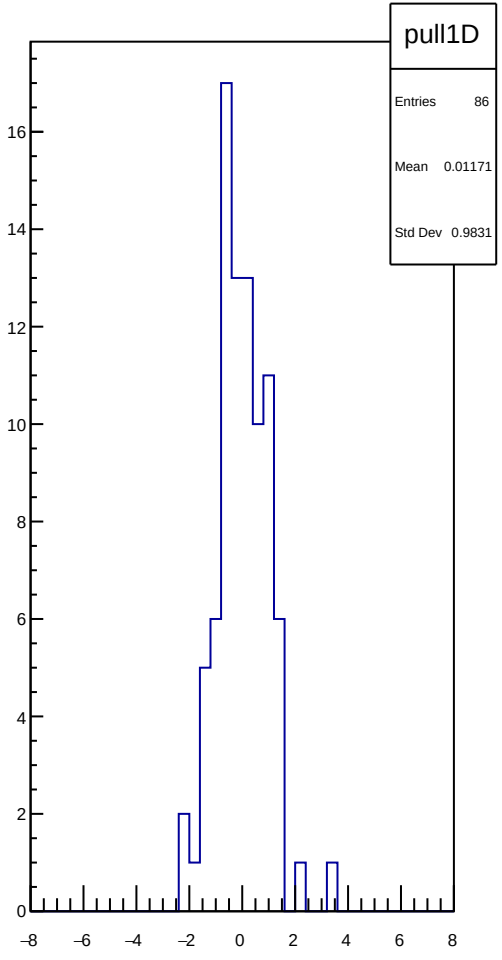

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1403 / 85
p0 1180 ± 0.9171
1300
1250
1200
1150
1100

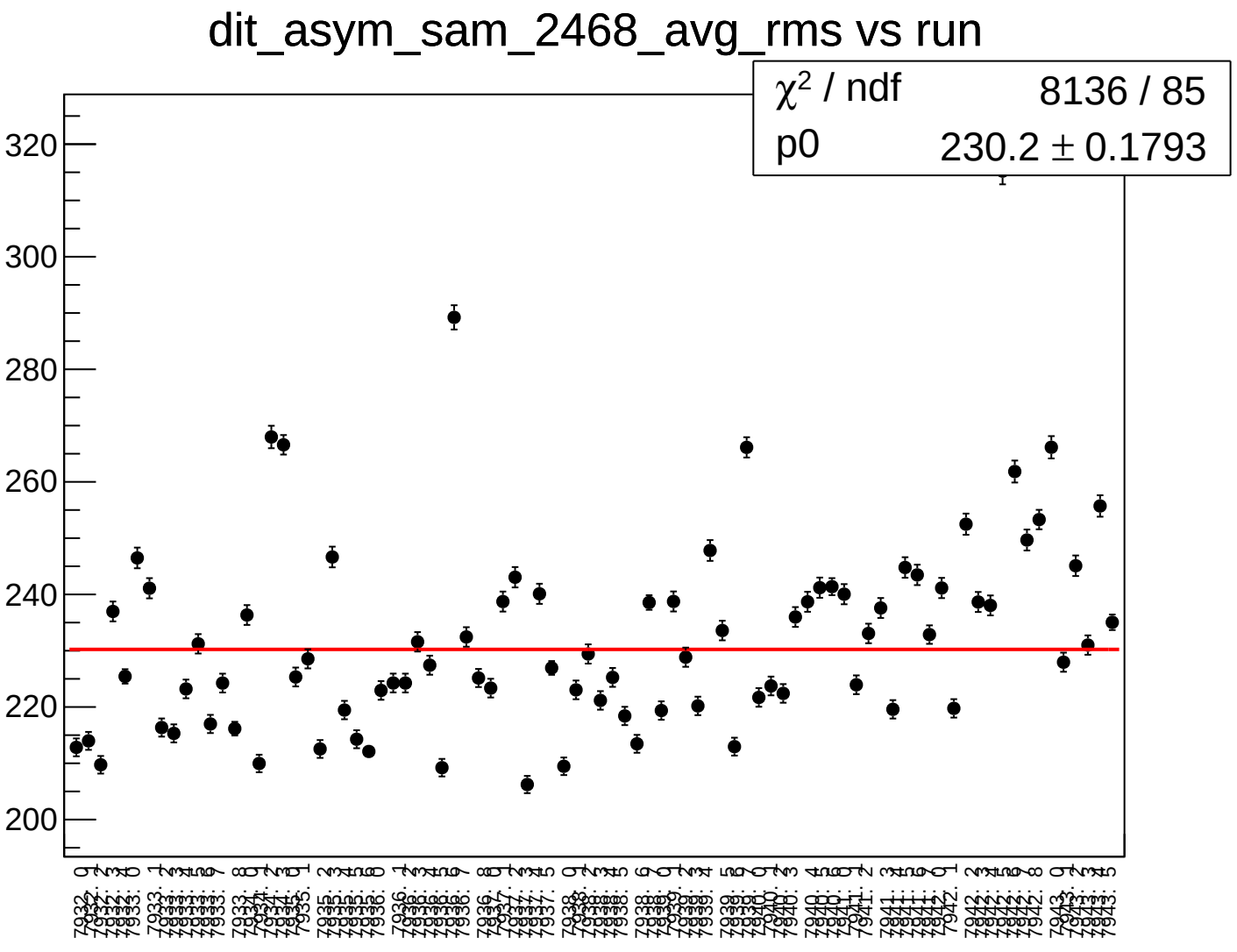

asym_sam_1357_avg_mean vs run
χ² / ndf 93.94 / 85
p0 947.8 ± 1298
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −126.4
Std Dev 177
3
2
1
0
−1
−2

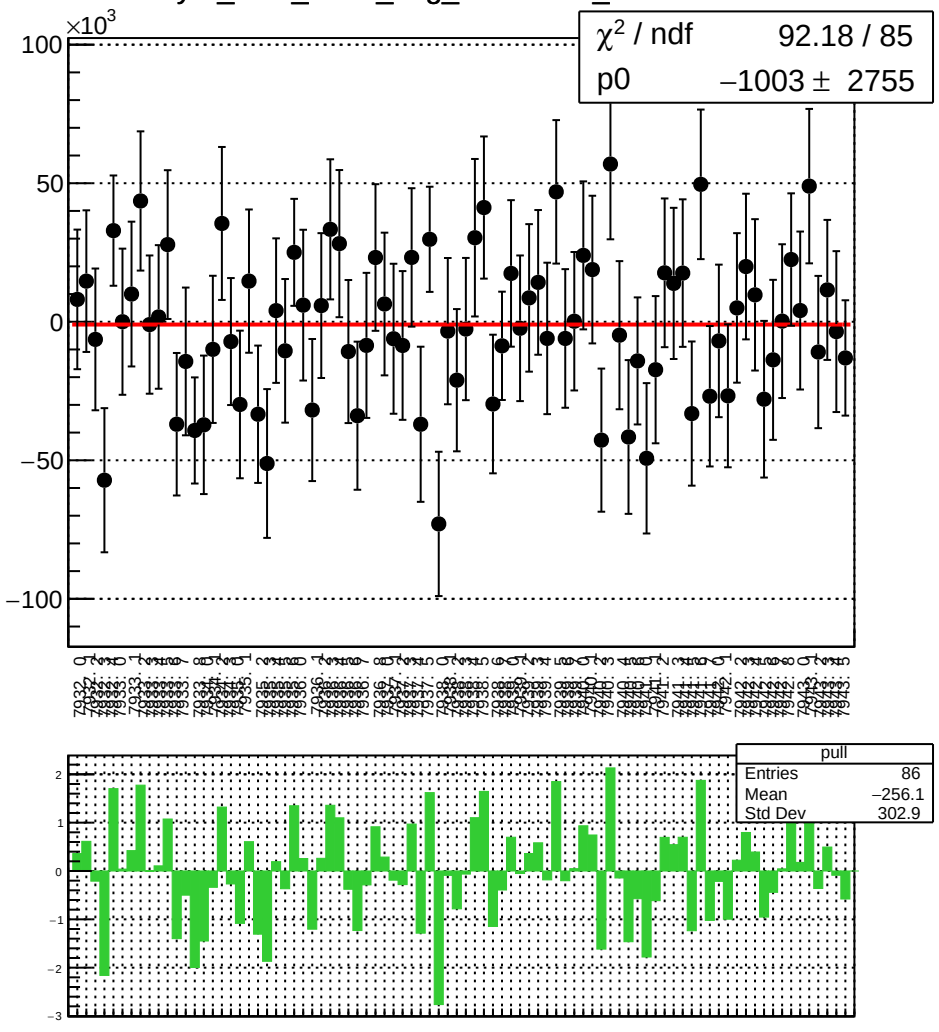

pull1D
Entries 86
Mean 0.008955
Std Dev 1.045
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

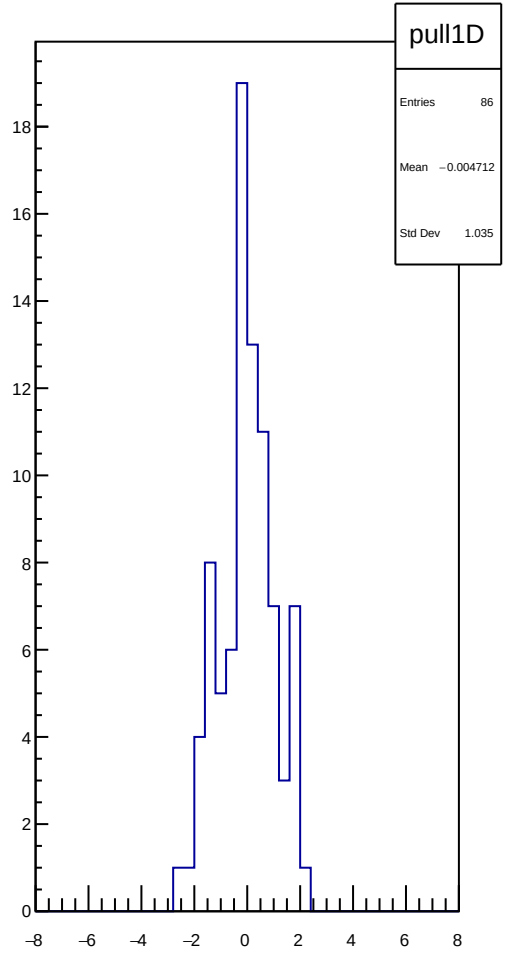

asym_sam_1357_avg_rms vs run
χ² / ndf 1666 / 85
p0 1180 ± 0.9175
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100

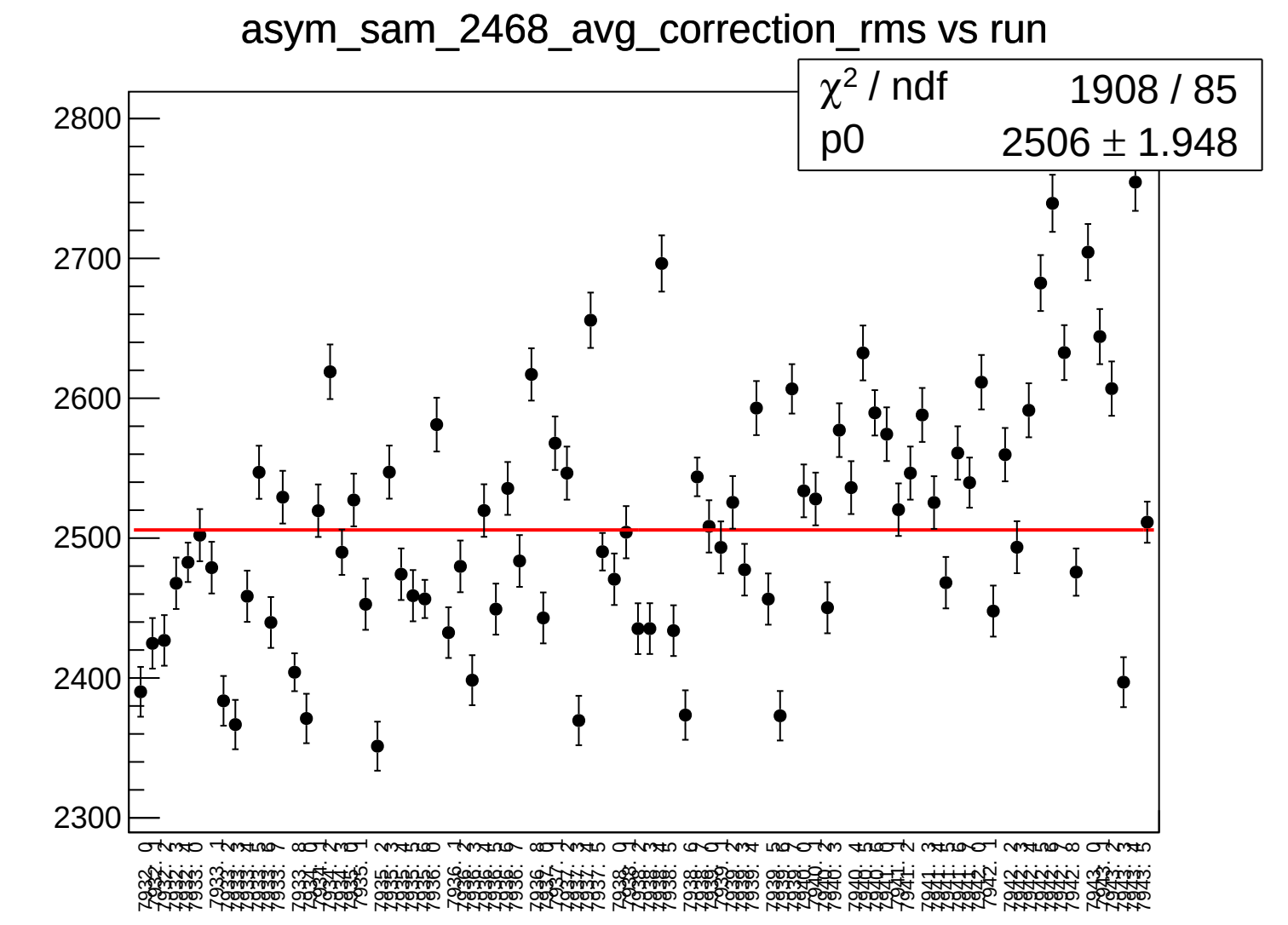

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 83.12 / 85
p0 836.4 ± 253.6
pull
Entries 86
Mean −53.64
Std Dev 129.3

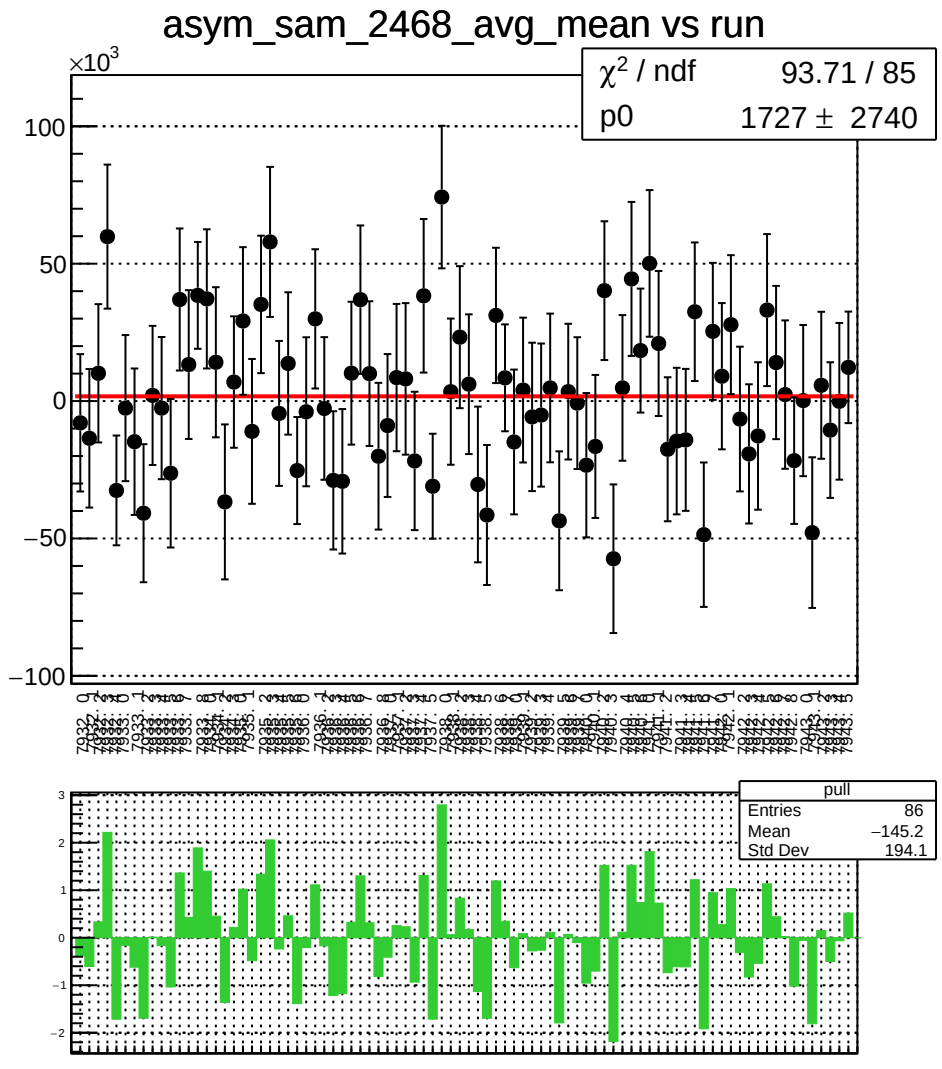

pull1D
Entries 86
Mean 0.01171
Std Dev 0.9831

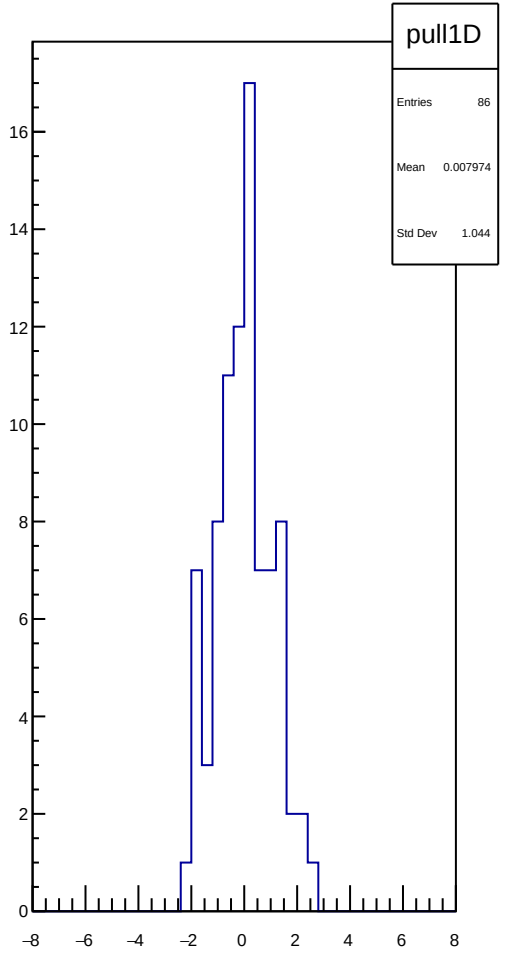

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 8136 / 85
p0 230.2 ± 0.1793
320
300
280
260
240
220
200

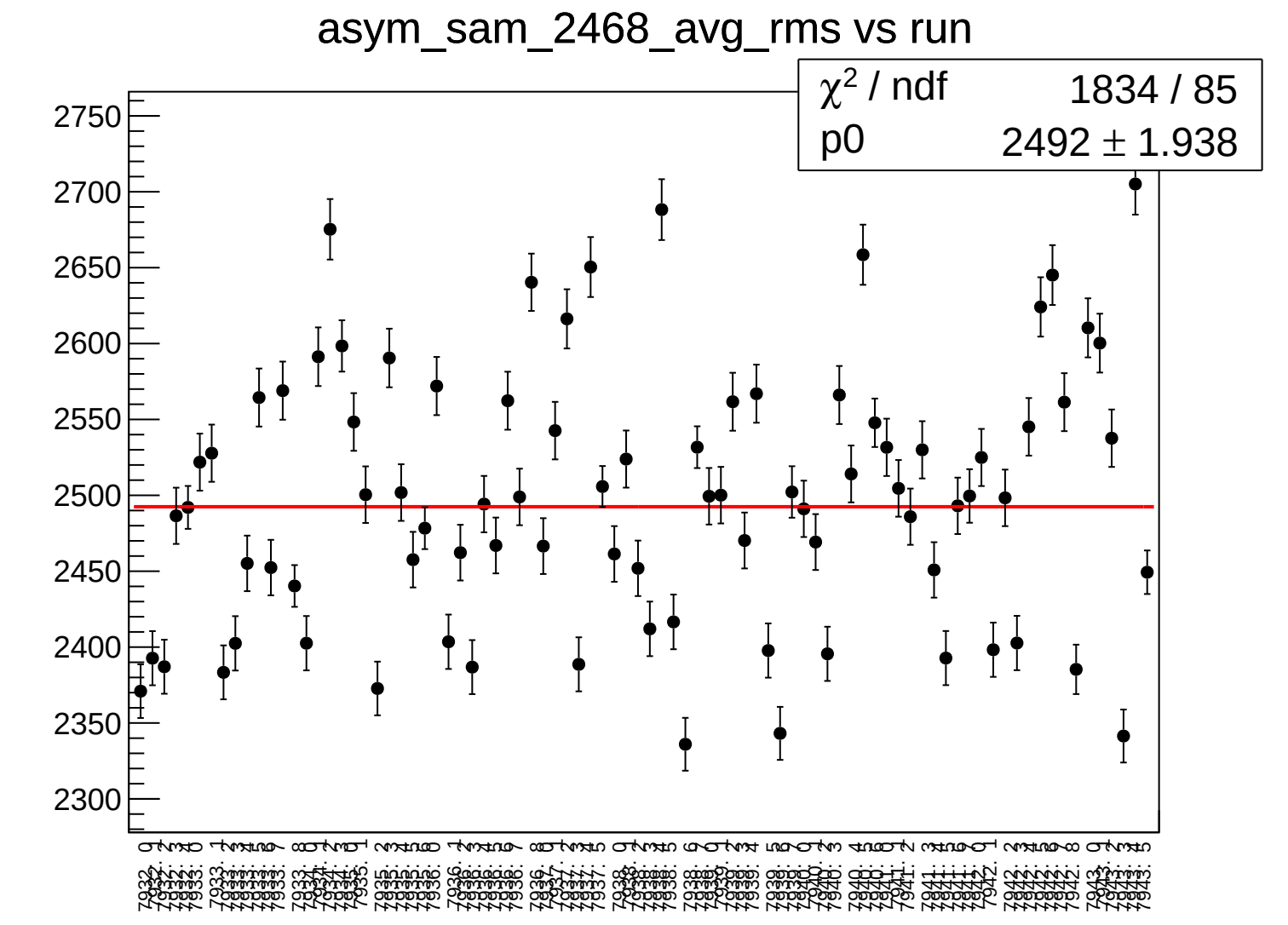

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 92.18 / 85
p0 −1003 ± 2755
pull
Entries 86
Mean −256.1
Std Dev 302.9

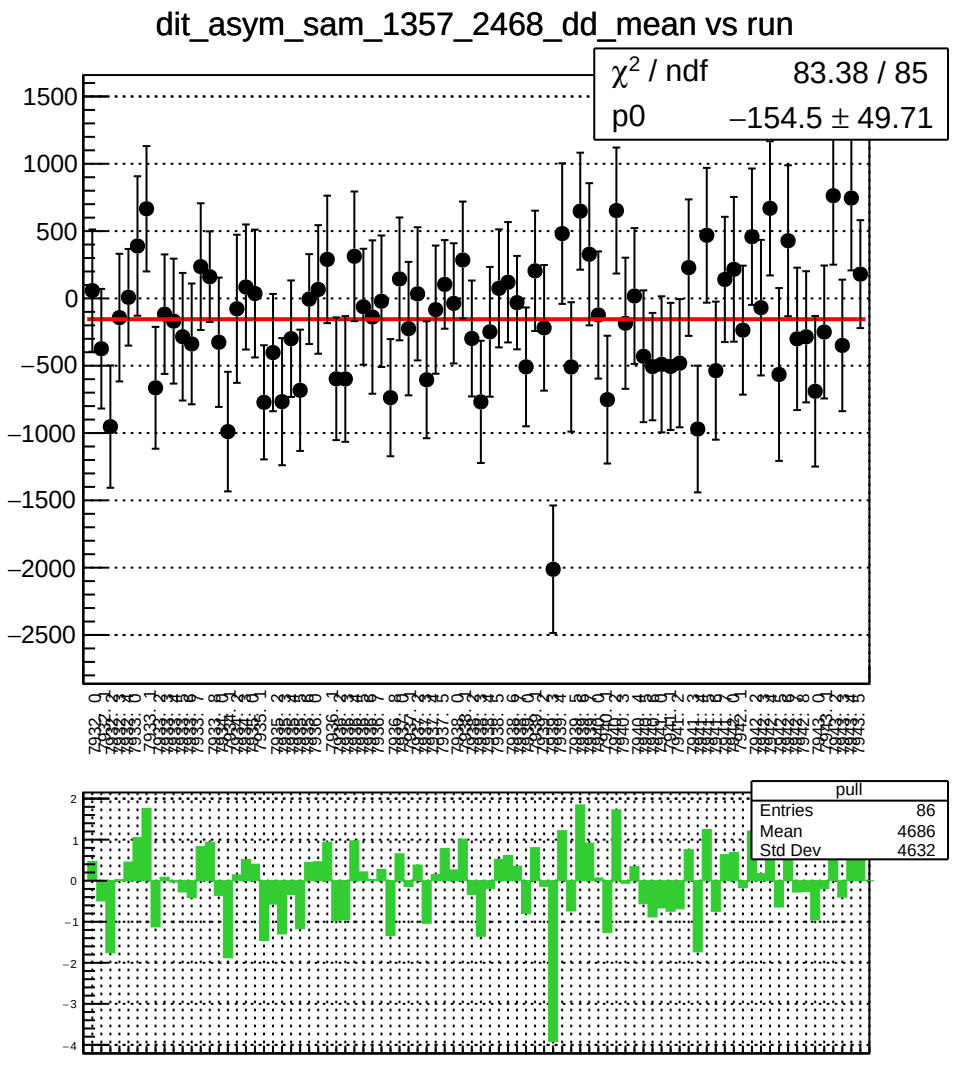

pull1D
Entries 86
Mean −0.004712
Std Dev 1.035

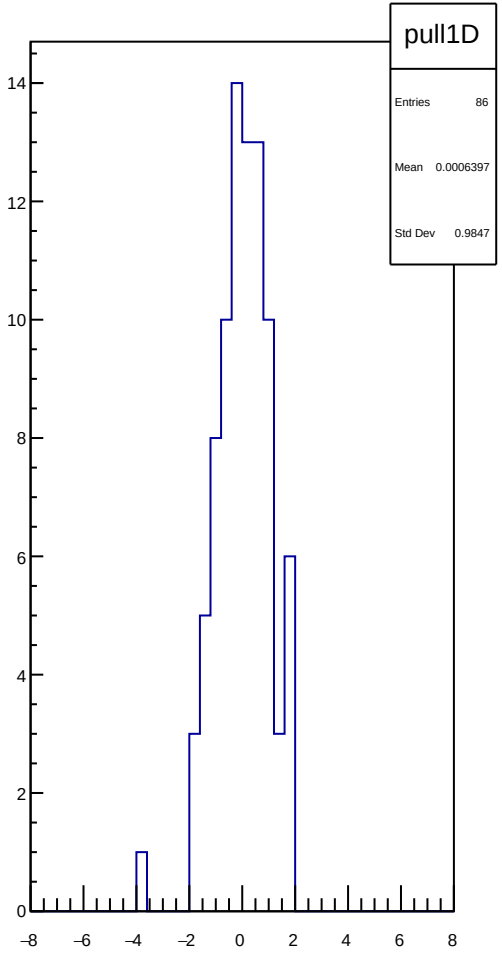

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1908 / 85
p0 2506 ± 1.948
2800
2700
2600
2500
2400
2300

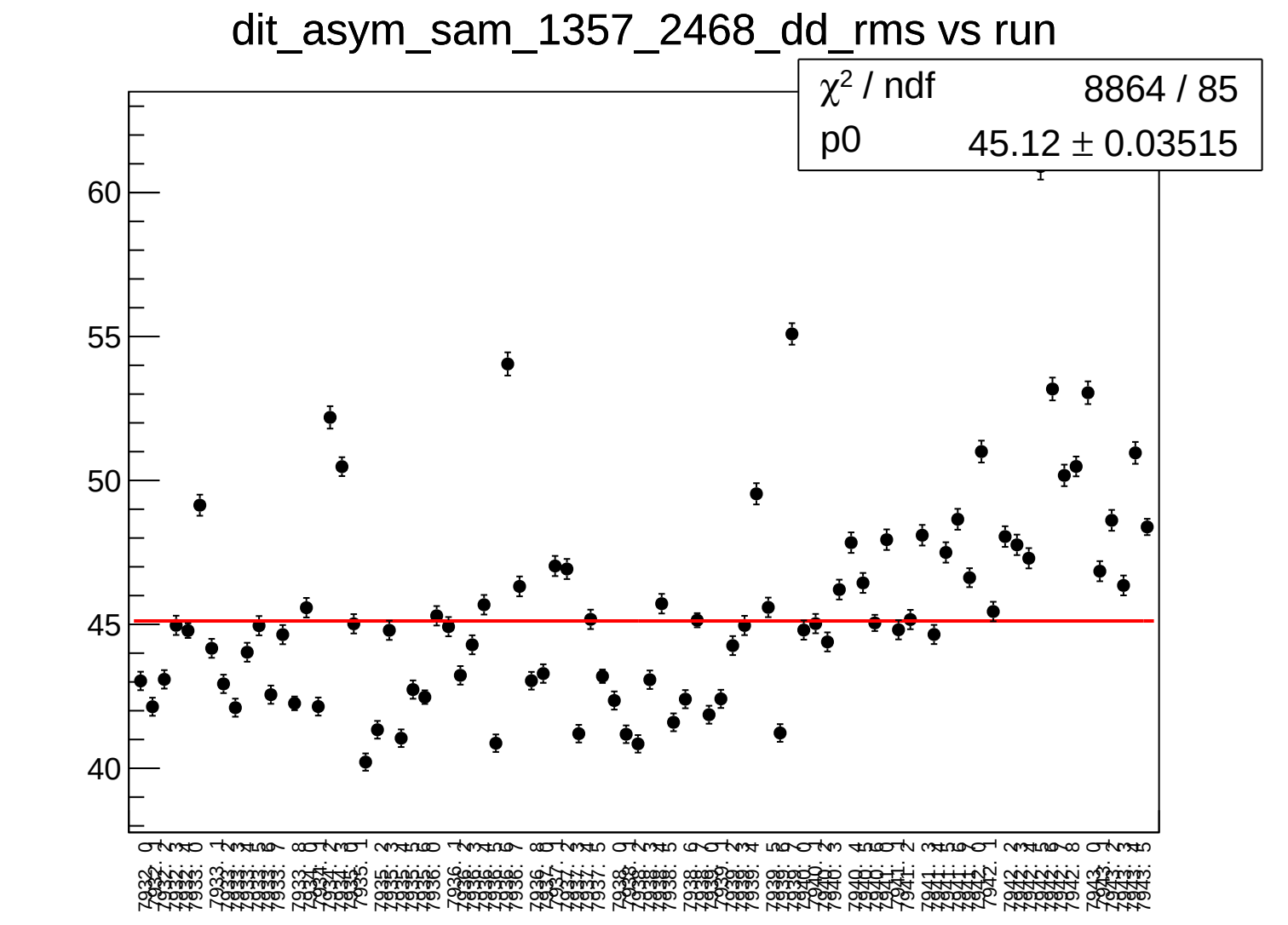

asym_sam_2468_avg_mean vs run
×10^3
χ² / ndf 93.71 / 85
p0 1727 ± 2740
100
50
0
−50
−100
pull
Entries 86
Mean −145.2
Std Dev 194.1
3
2
1
0
−1
−2

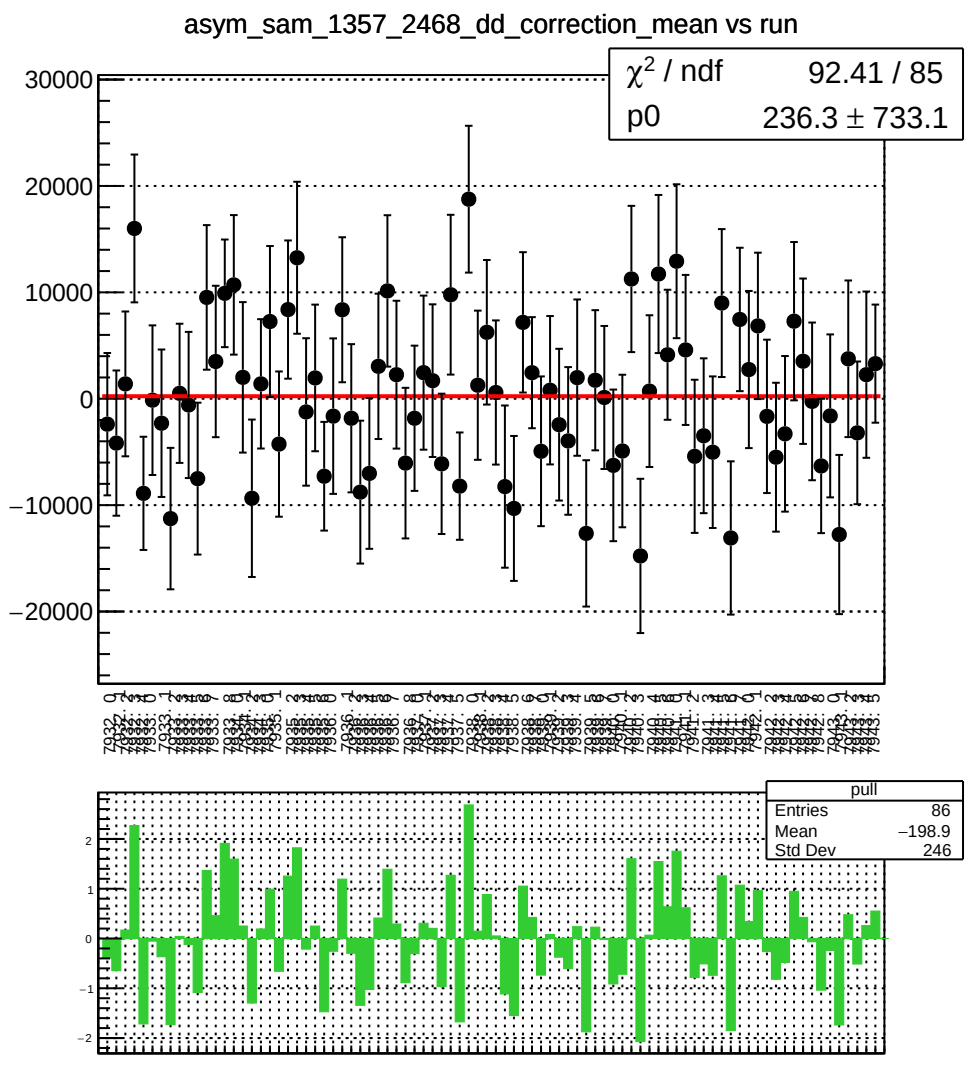

pull1D
Entries 86
Mean 0.007974
Std Dev 1.044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

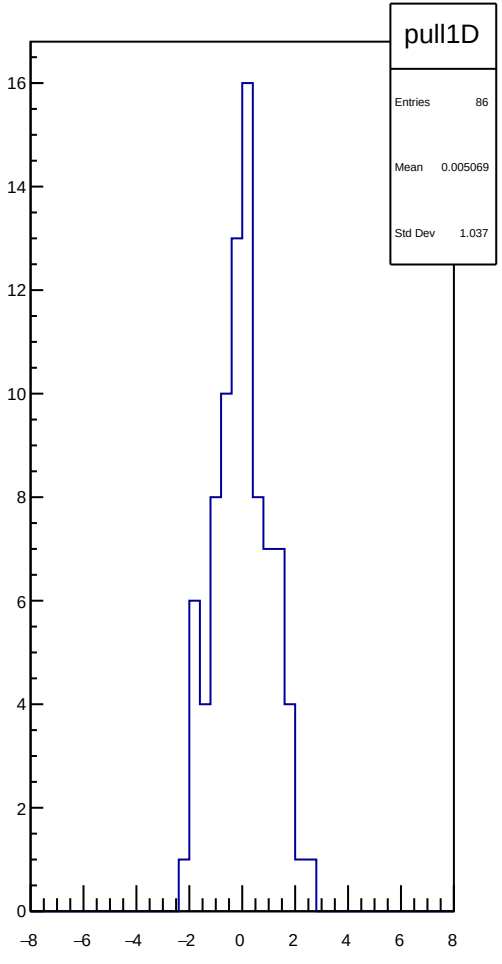

asym_sam_2468_avg_rms vs run
χ² / ndf 1834 / 85
p0 2492 ± 1.938
2750
2700
2650
2600
2550
2500
2450
2400
2350
2300

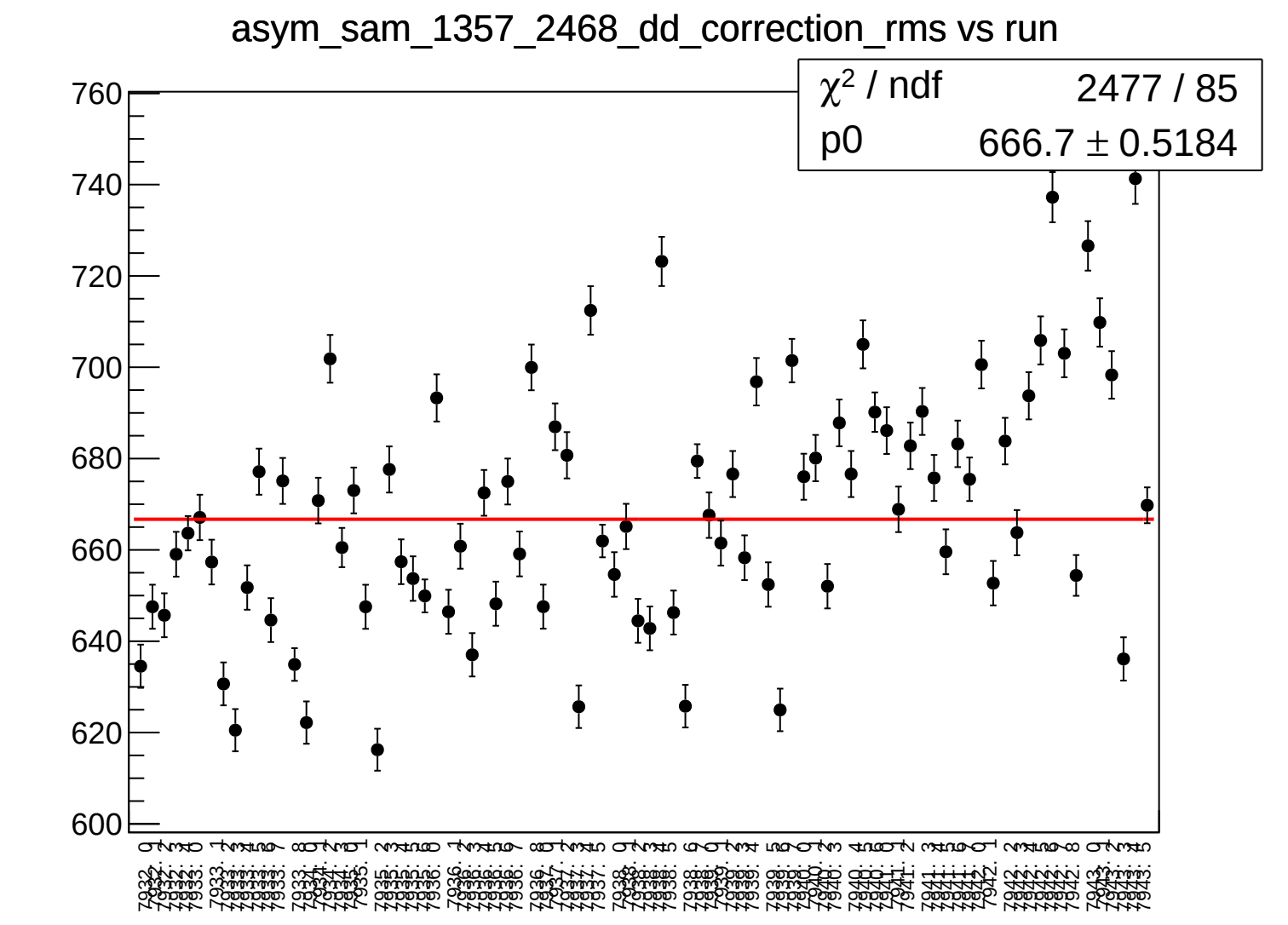

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 83.38 / 85
p0 −154.5 ± 49.71
pull
Entries 86
Mean 4686
Std Dev 4632

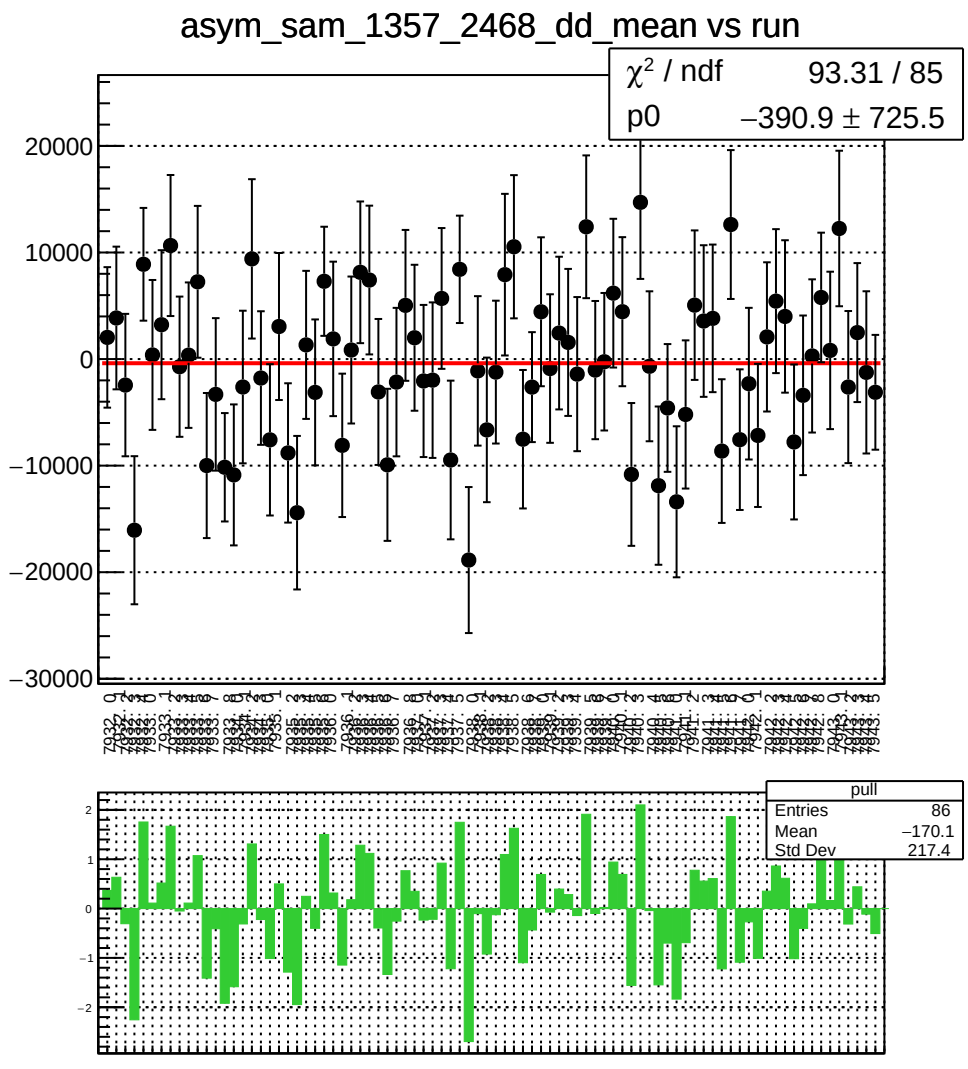

pull1D
Entries 86
Mean 0.0006397
Std Dev 0.9847

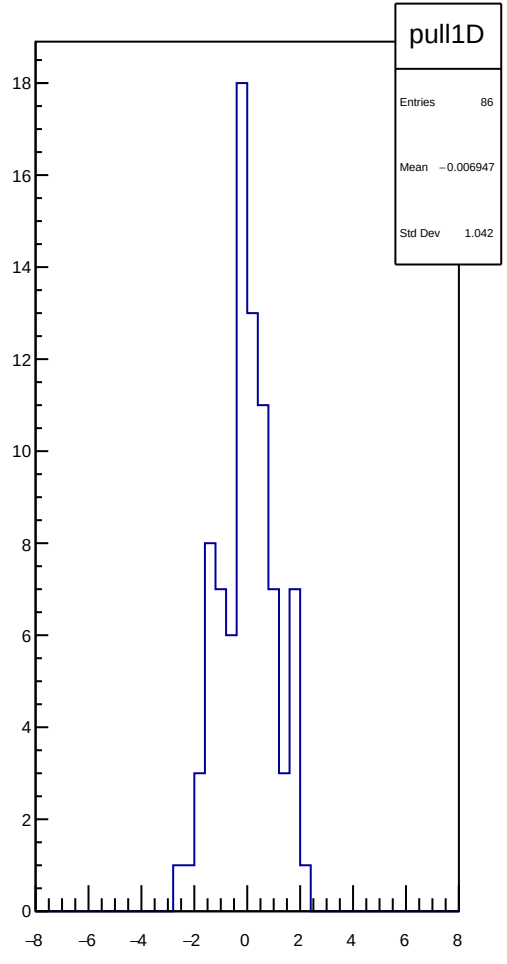

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 8864 / 85
p0 45.12 ± 0.03515
60
55
50
45
40

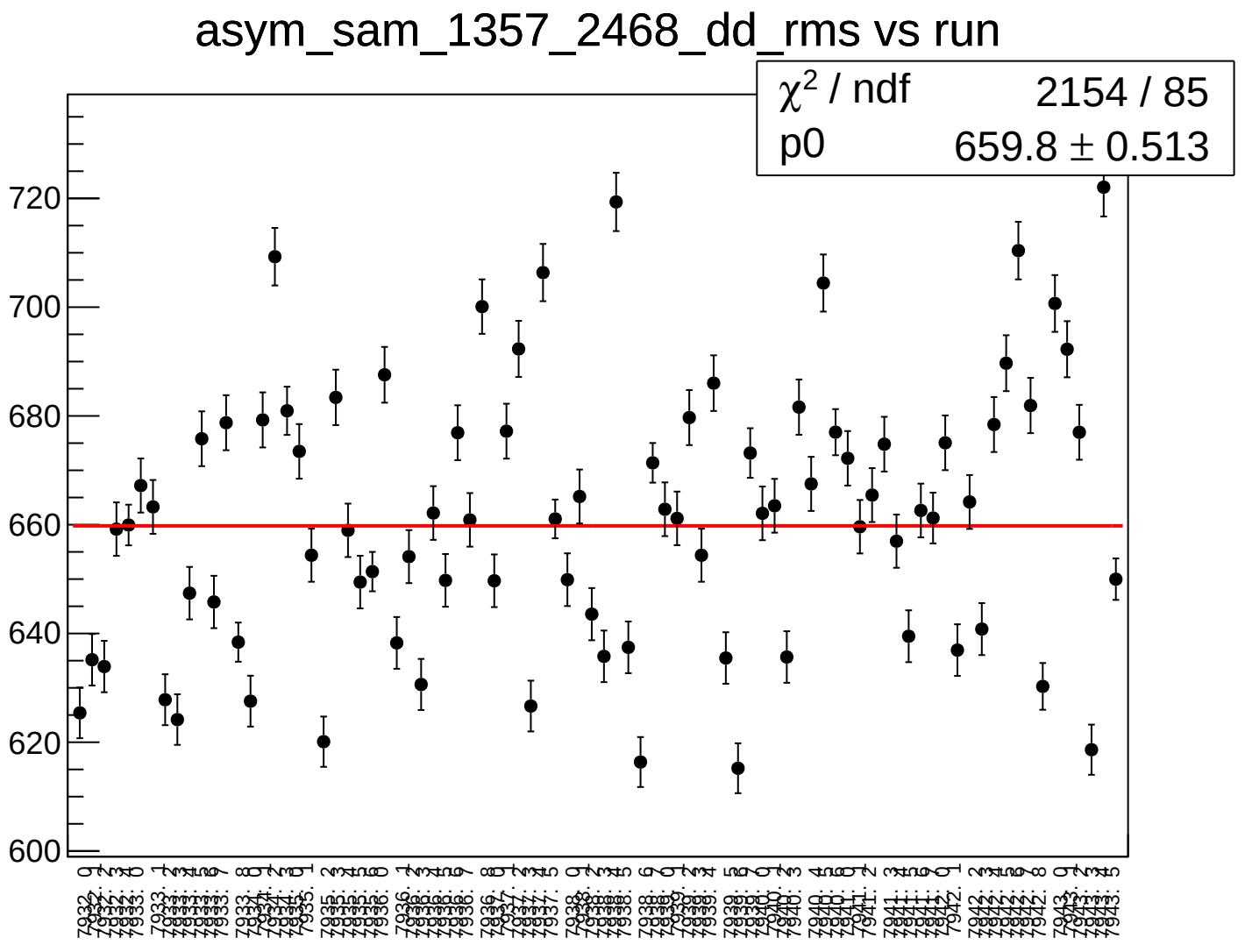

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 92.41 / 85
p0 236.3 ± 733.1
pull
Entries 86
Mean −198.9
Std Dev 246

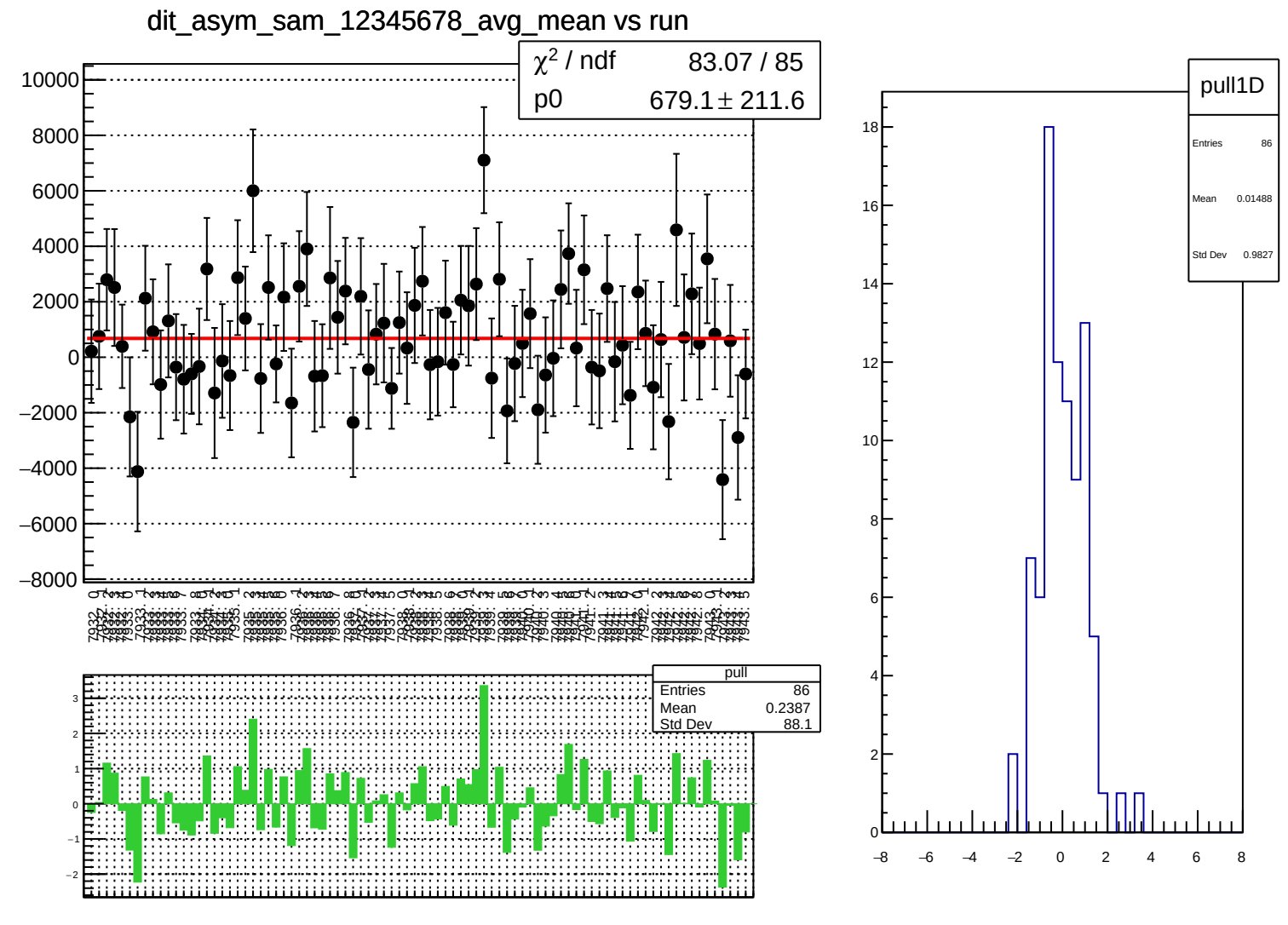

pull1D
Entries 86
Mean 0.005069
Std Dev 1.037

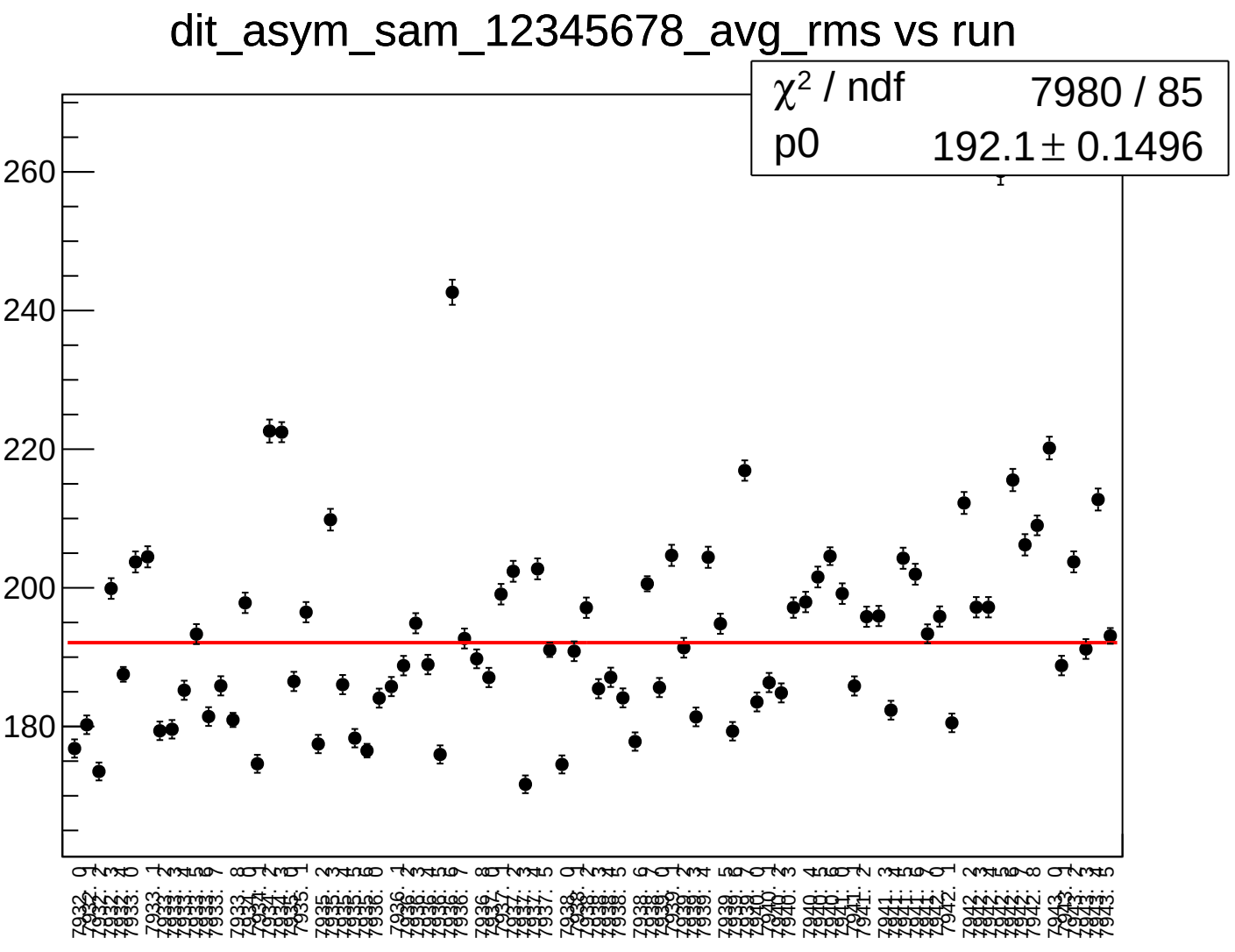

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2477 / 85
p0 666.7 ± 0.5184
760
740
720
700
680
660
640
620
600

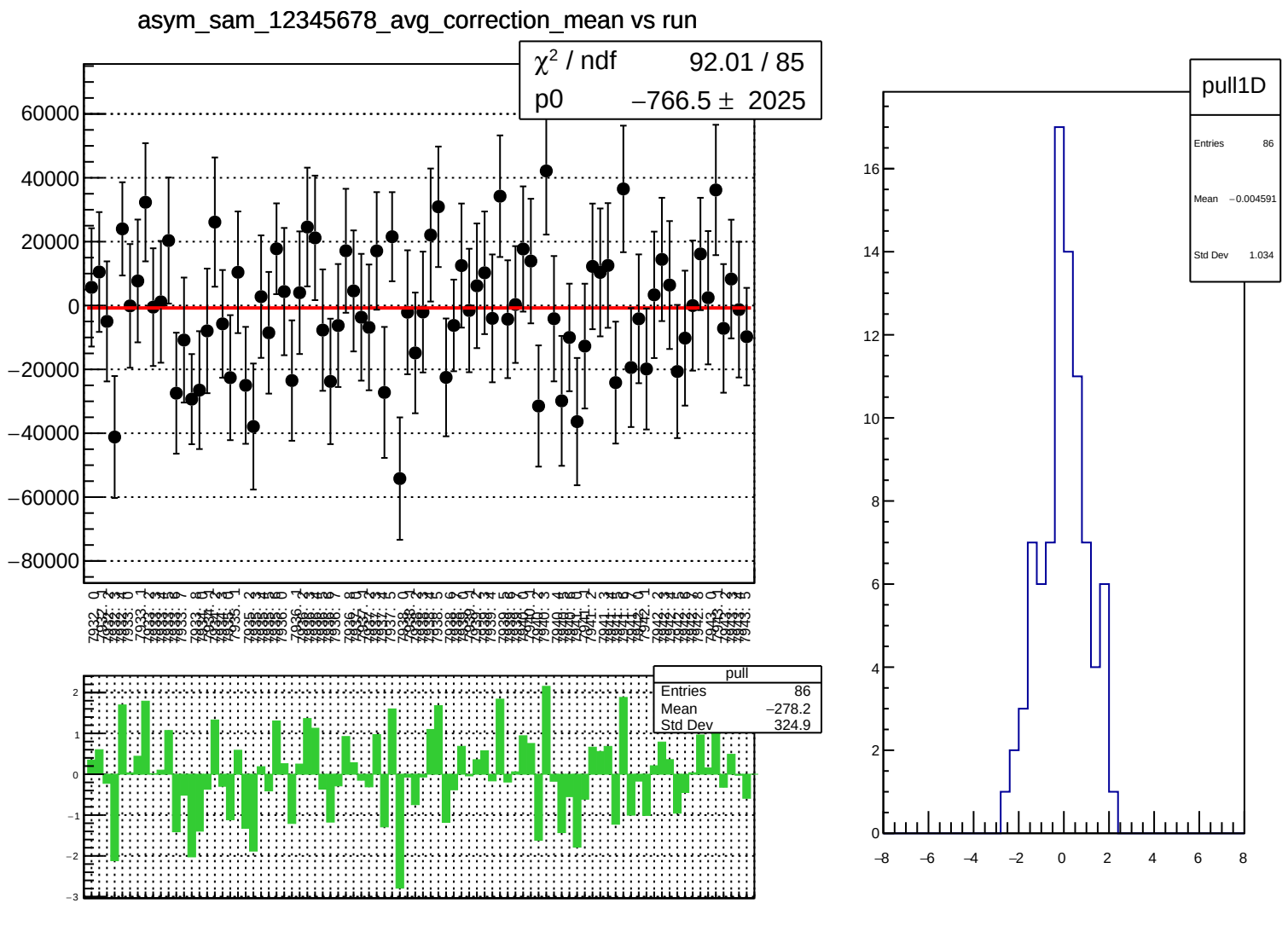

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 93.31 / 85
p0 −390.9 ± 725.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −170.1
Std Dev 217.4
2
1
0
−1
−2

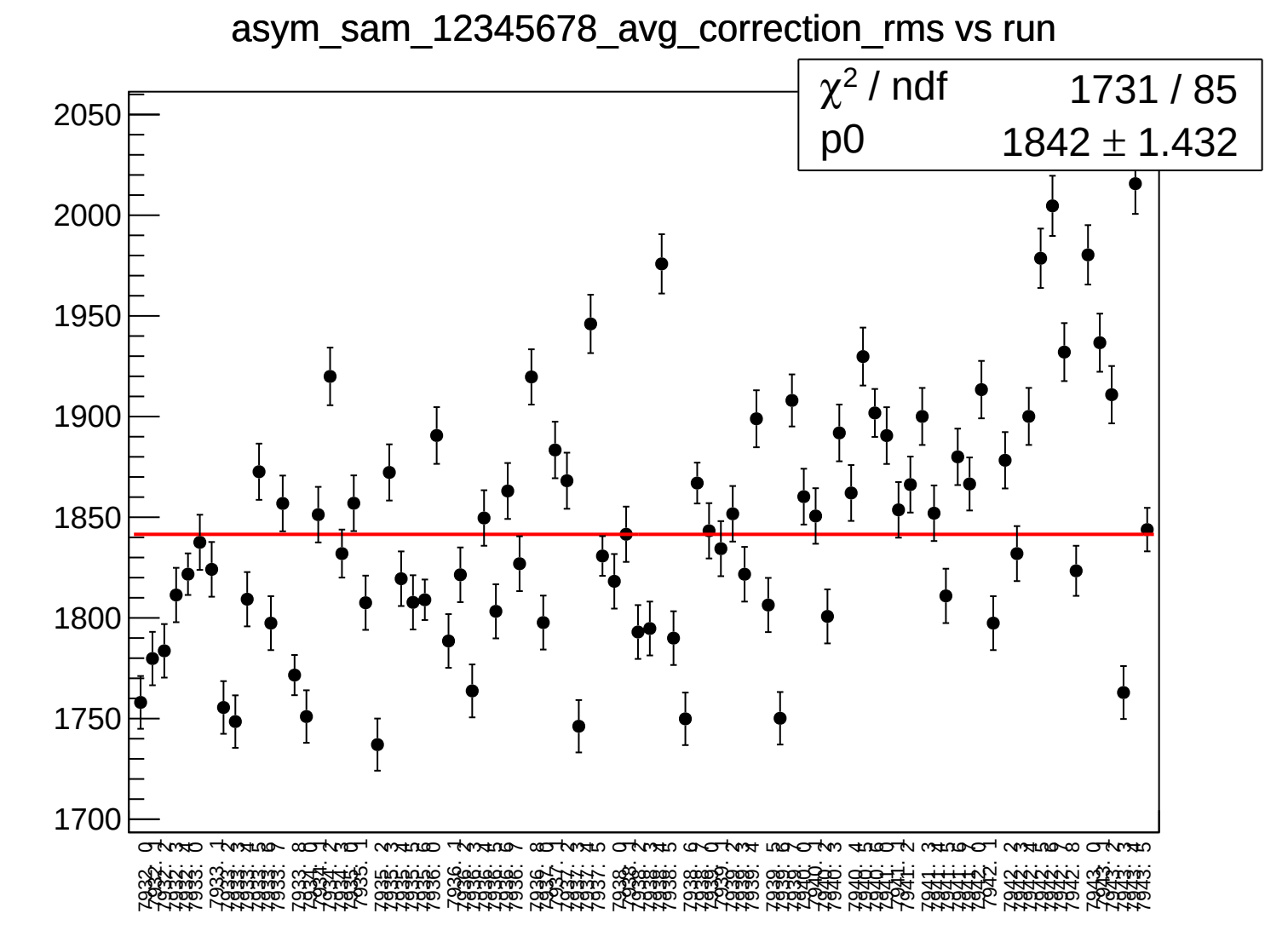

pull1D
Entries 86
Mean −0.006947
Std Dev 1.042
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

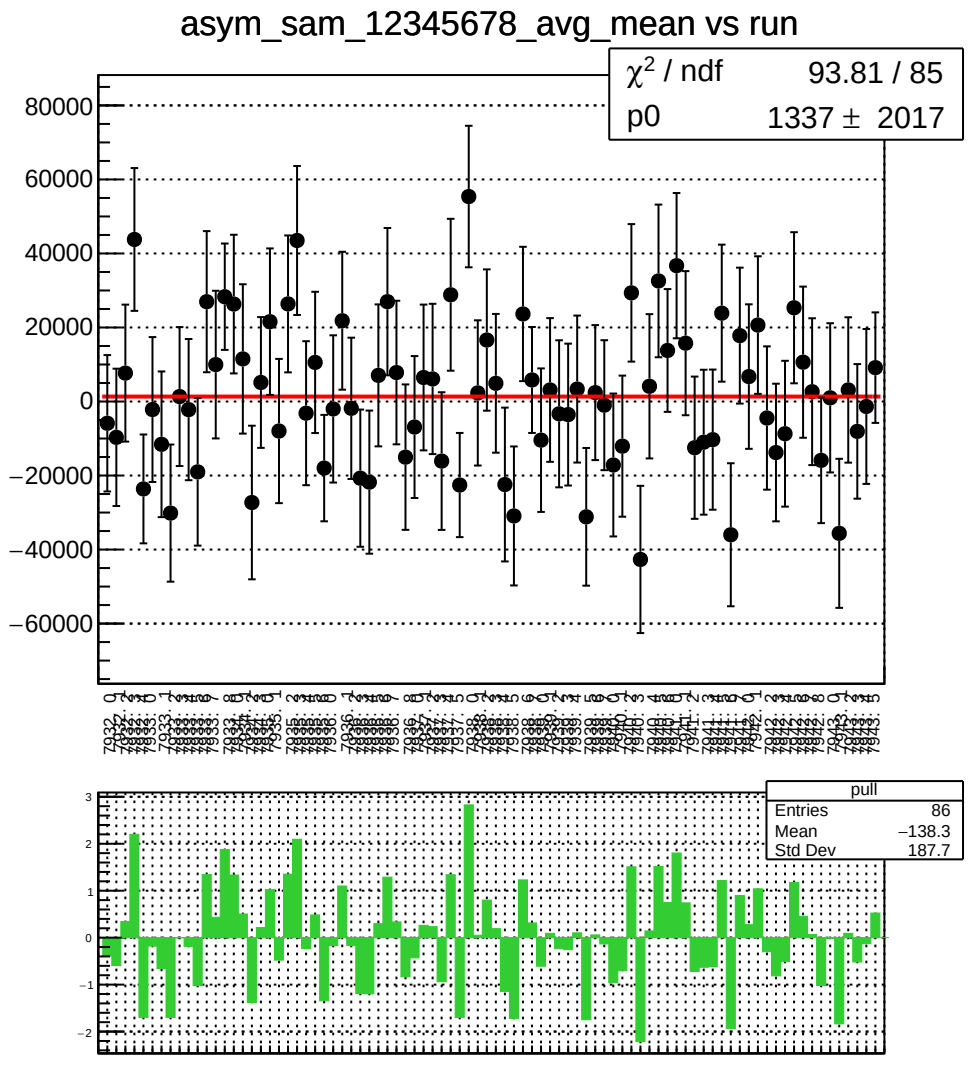

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2154 / 85
p0 659.8 ± 0.513
720
700
680
660
640
620
600

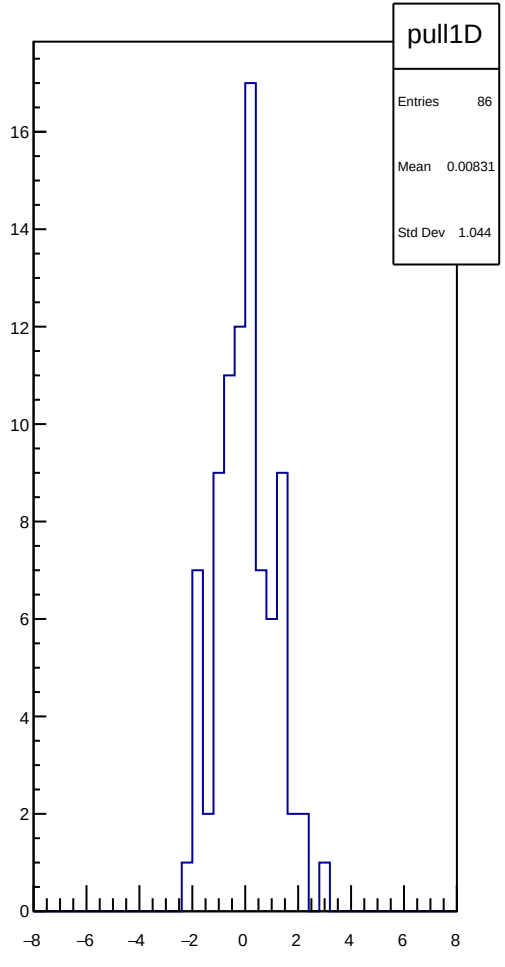

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 83.07 / 85
p0 679.1 ± 211.6
pull
Entries 86
Mean 0.2387
Std Dev 88.1
pull1D
Entries 86
Mean 0.01488
Std Dev 0.9827

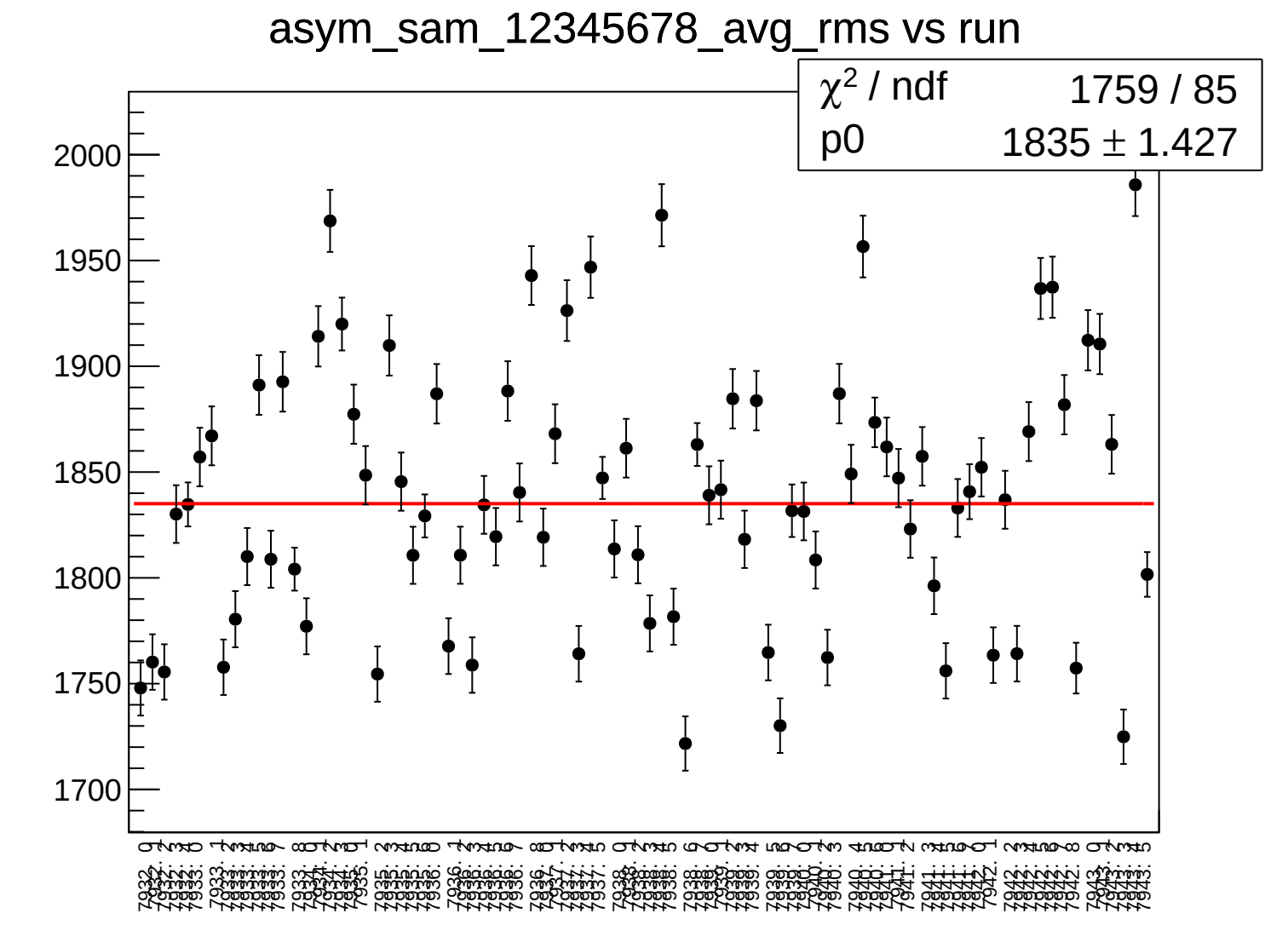

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 7980 / 85
p0 192.1 ± 0.1496
260
240
220
200
180

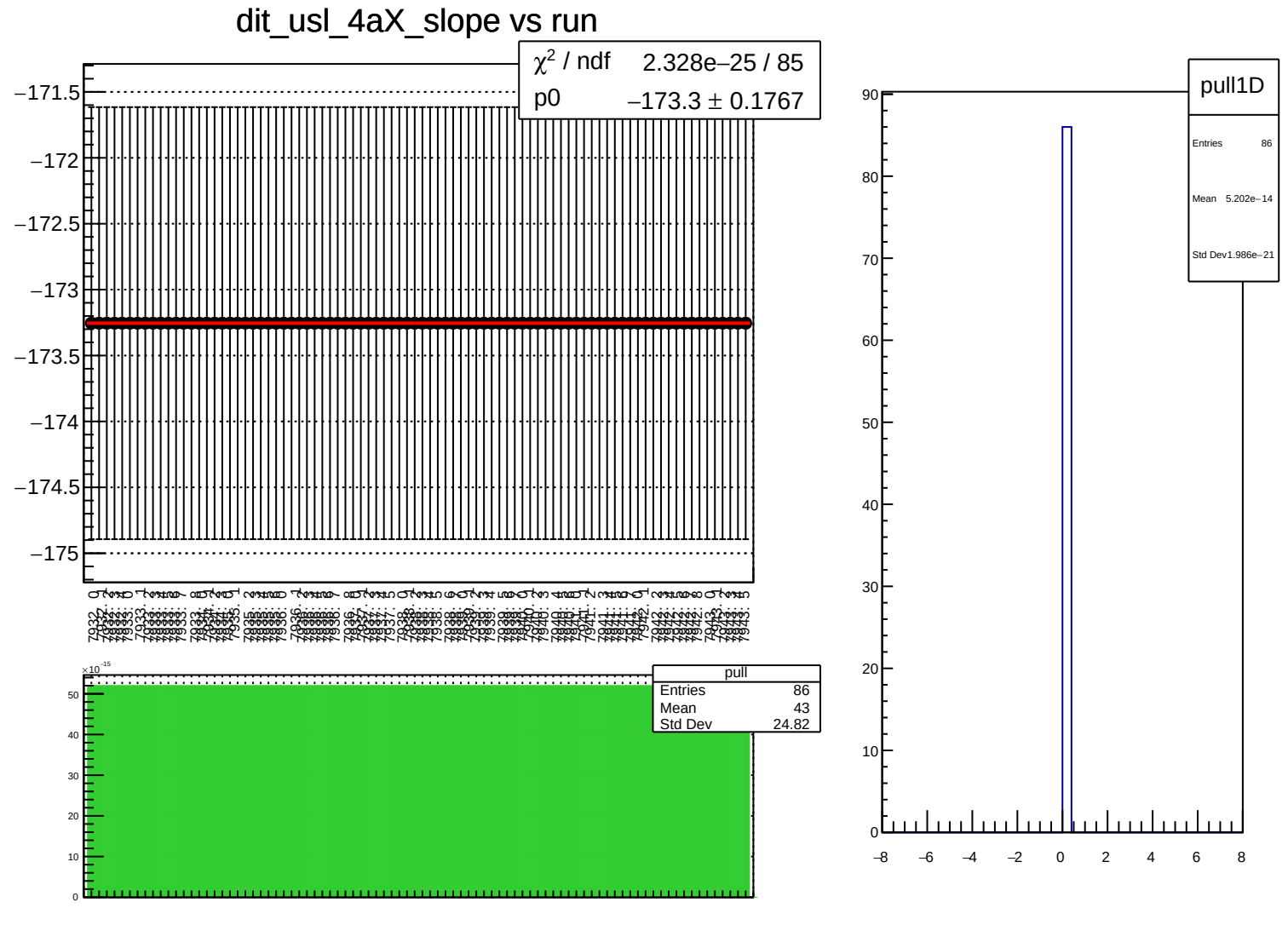

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 92.01 / 85
p0 −766.5 ± 2025
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −278.2
Std Dev 324.9
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.004591
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

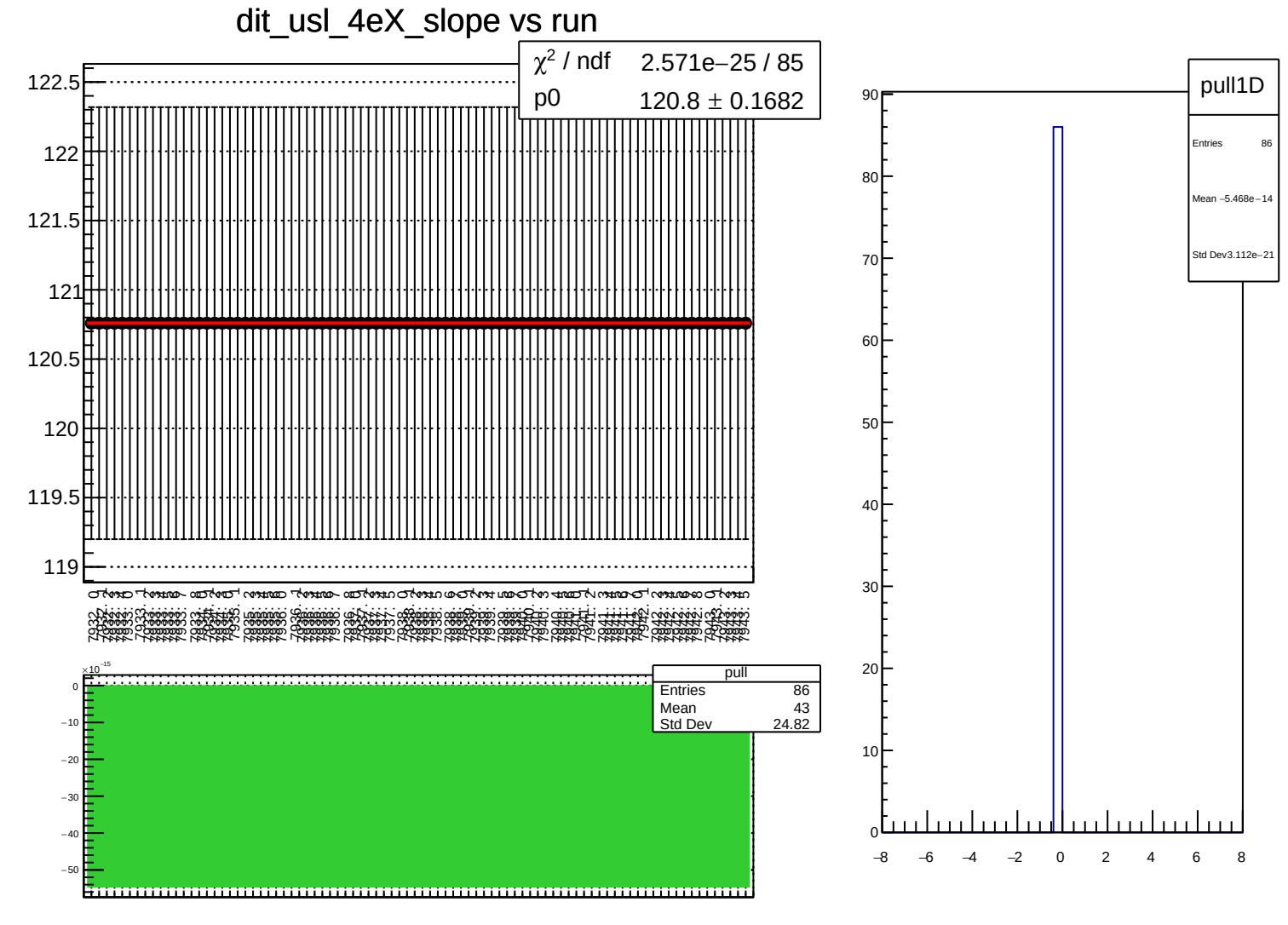

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1731 / 85
p0 1842 ± 1.432
2050
2000
1950
1900
1850
1800
1750
1700

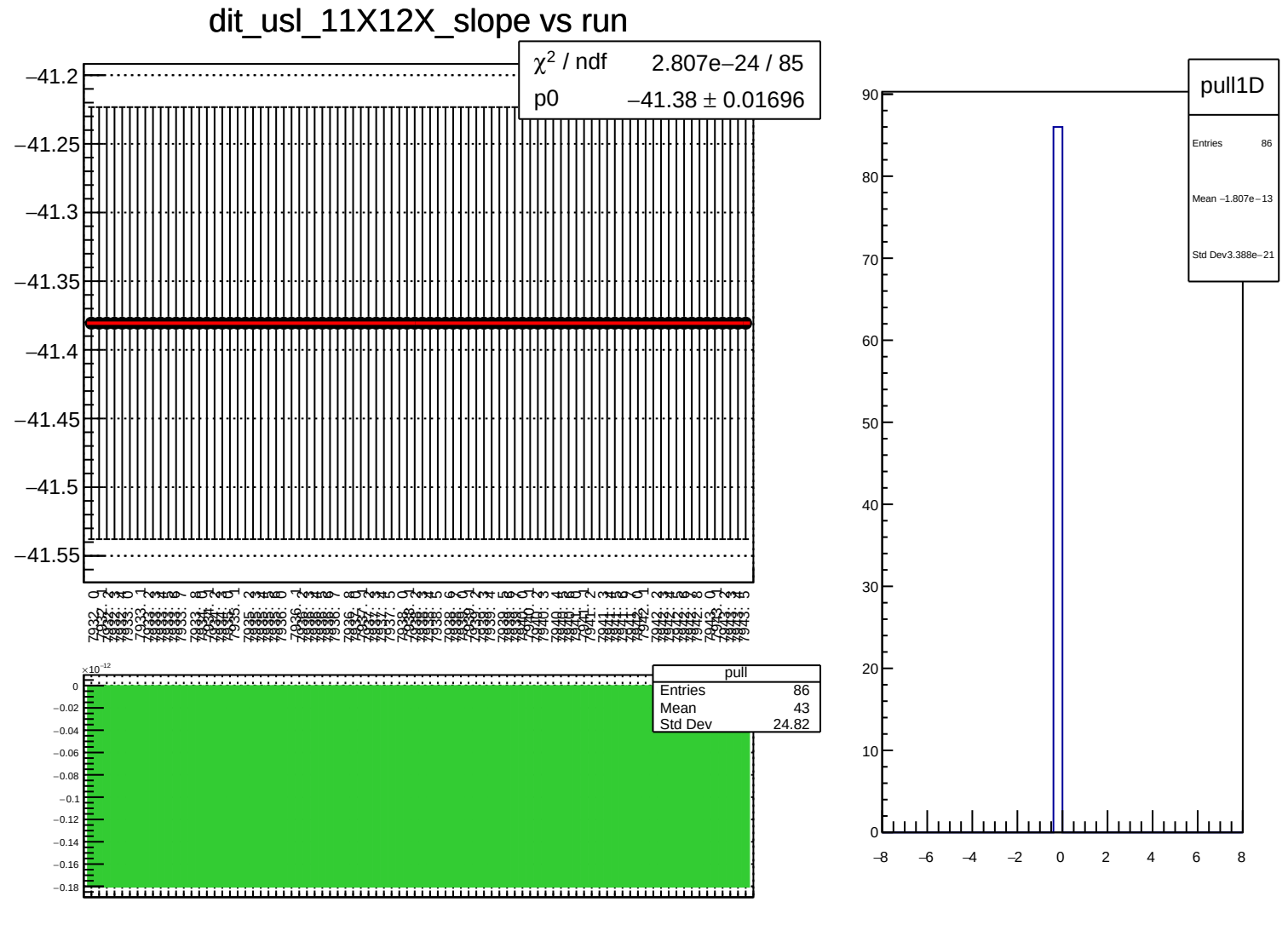

asym_sam_12345678_avg_mean vs run
χ² / ndf 93.81 / 85
p0 1337 ± 2017
pull
Entries 86
Mean −138.3
Std Dev 187.7

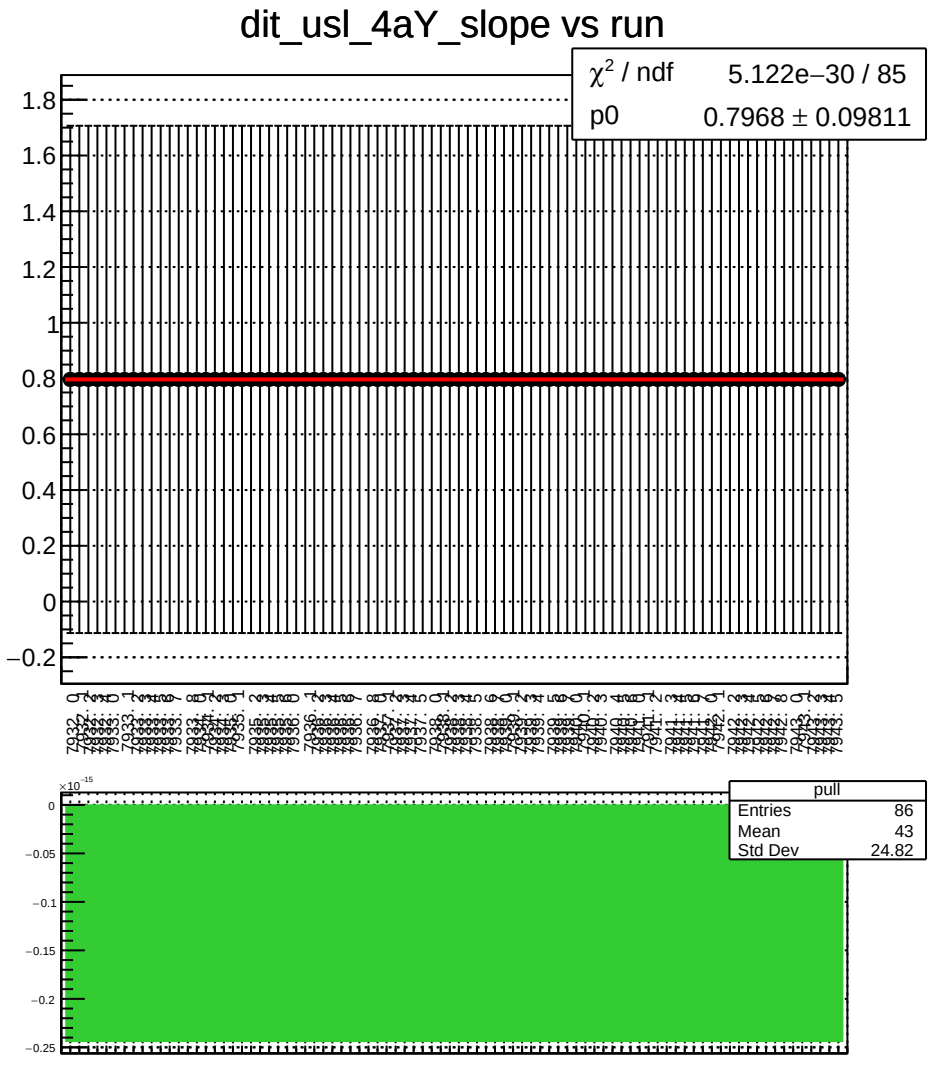

pull1D
Entries 86
Mean 0.00831
Std Dev 1.044

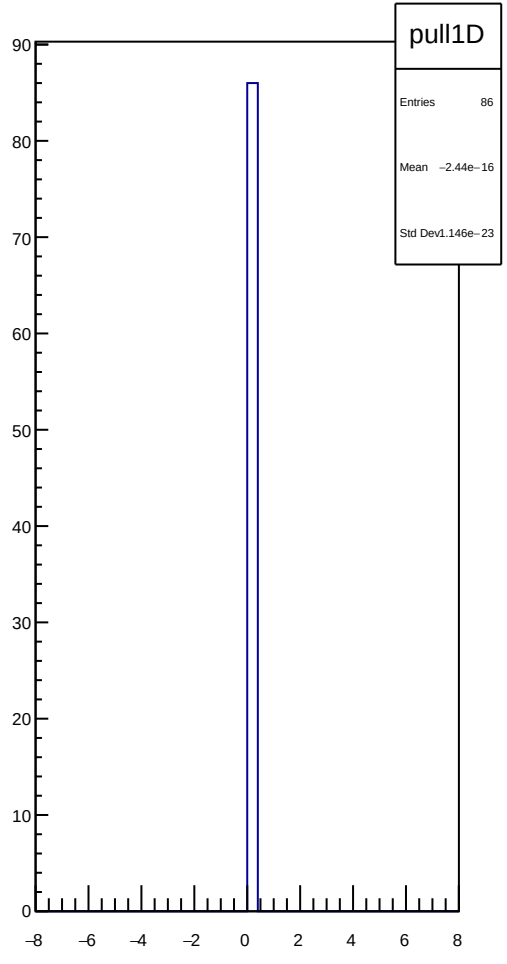

asym_sam_12345678_avg_rms vs run
χ² / ndf 1759 / 85
p0 1835 ± 1.427
2000
1950
1900
1850
1800
1750
1700

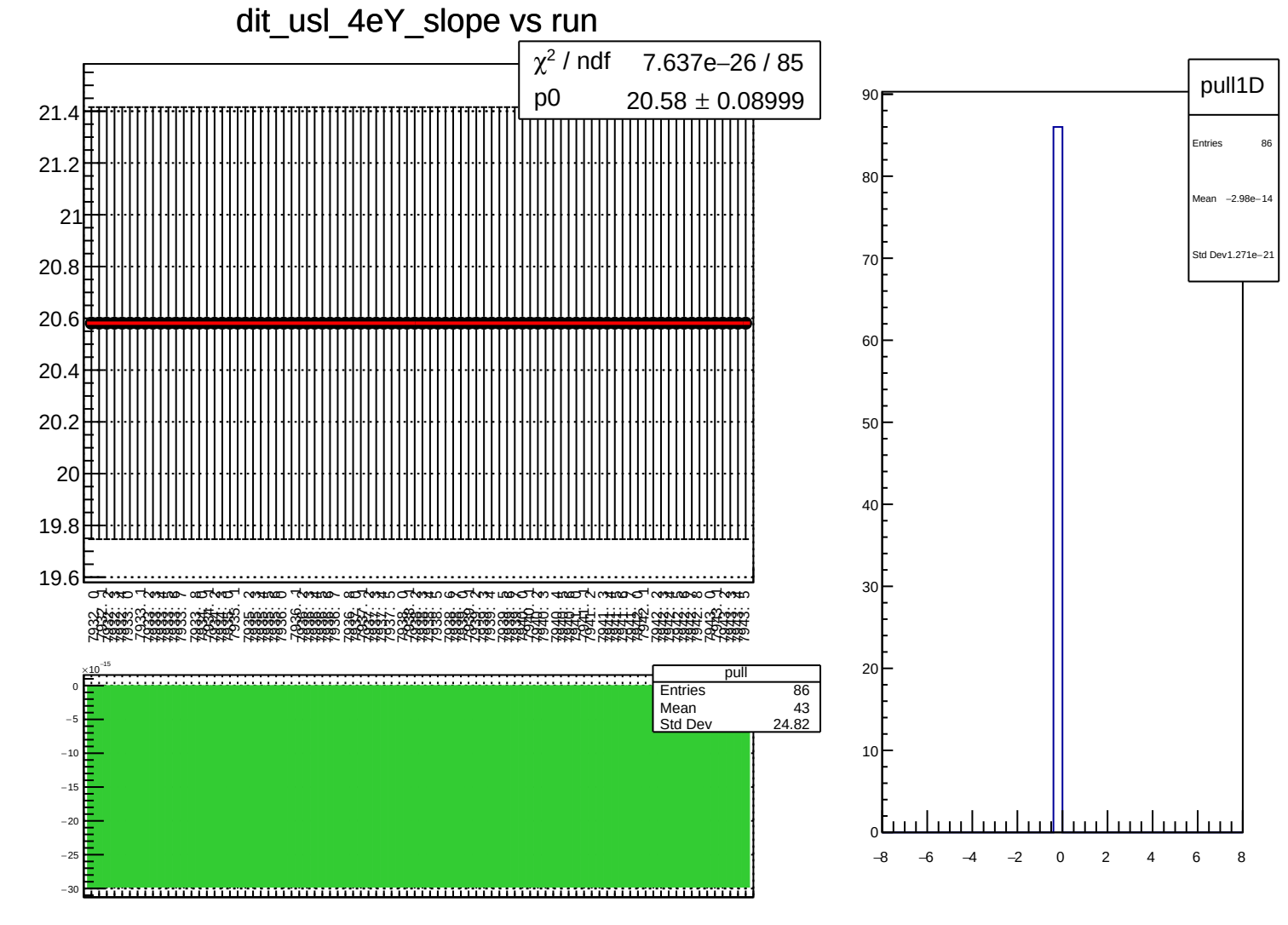

dit_usl_4aX_slope vs run
χ² / ndf 2.328e−25 / 85
p0 −173.3 ± 0.1767
−171.5
−172
−172.5
−173
−173.5
−174
−174.5
−175
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 5.202e−14
Std Dev1.986e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

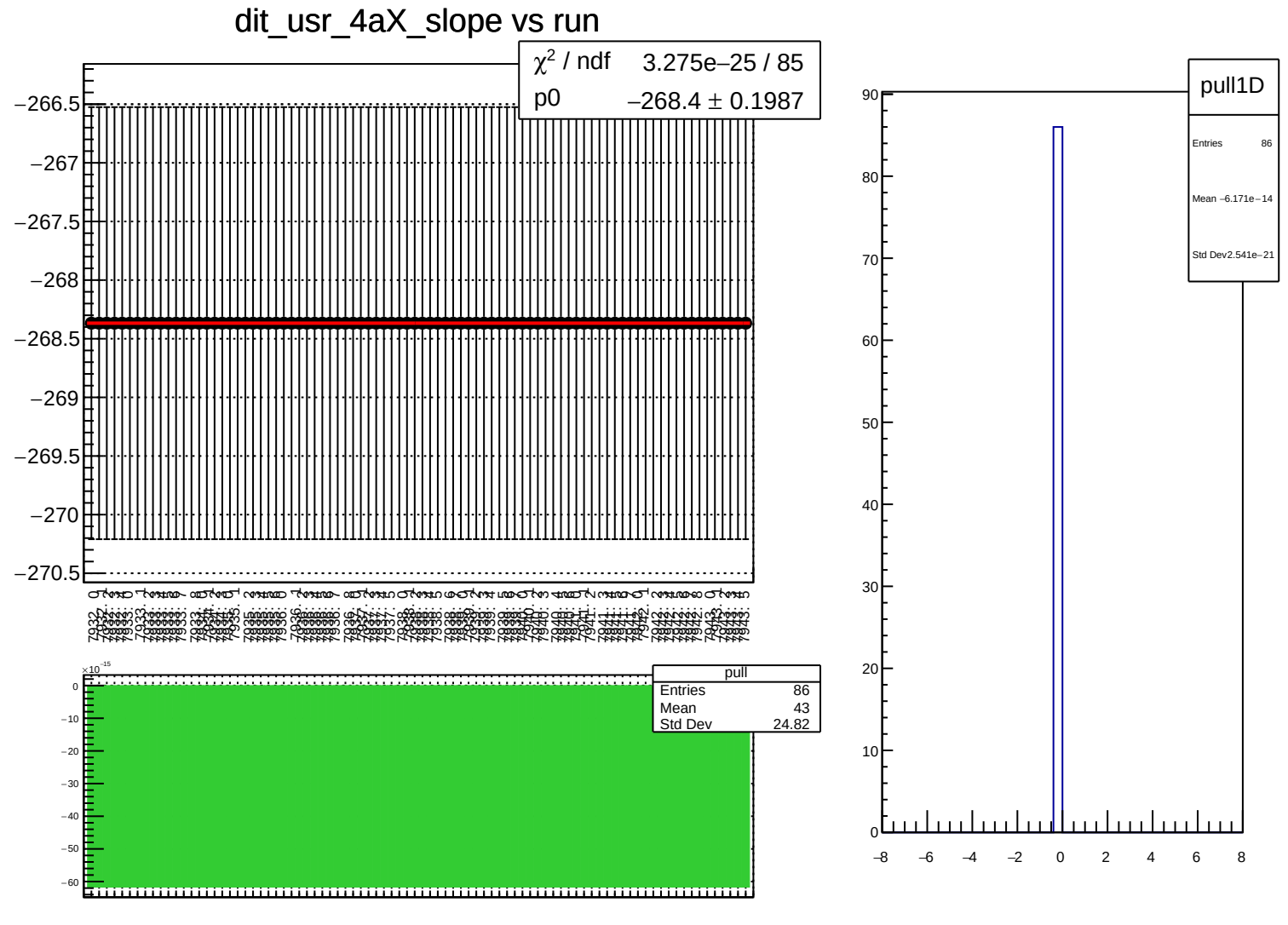

dit_usl_4eX_slope vs run
χ² / ndf 2.571e−25 / 85
p0 120.8 ± 0.1682
122.5
122
121.5
121
120.5
120
119.5
119
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 86
Mean −5.468e−14
Std Dev3.112e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

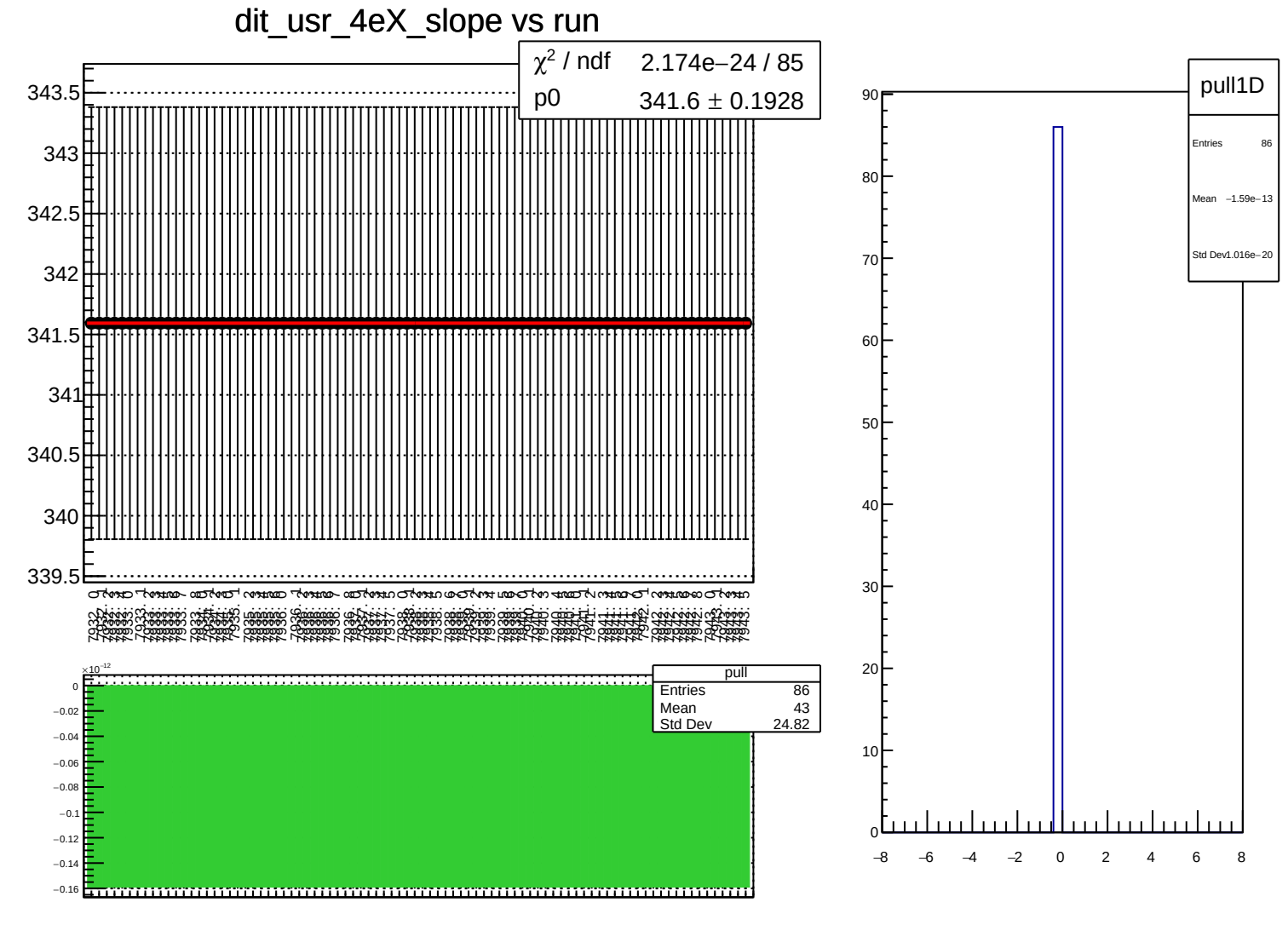

dit_usl_11X12X_slope vs run
χ² / ndf 2.807e−24 / 85
p0 −41.38 ± 0.01696
−41.2
−41.25
−41.3
−41.35
−41.4
−41.45
−41.5
−41.55
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 86
Mean −1.807e−13
Std Dev3.388e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

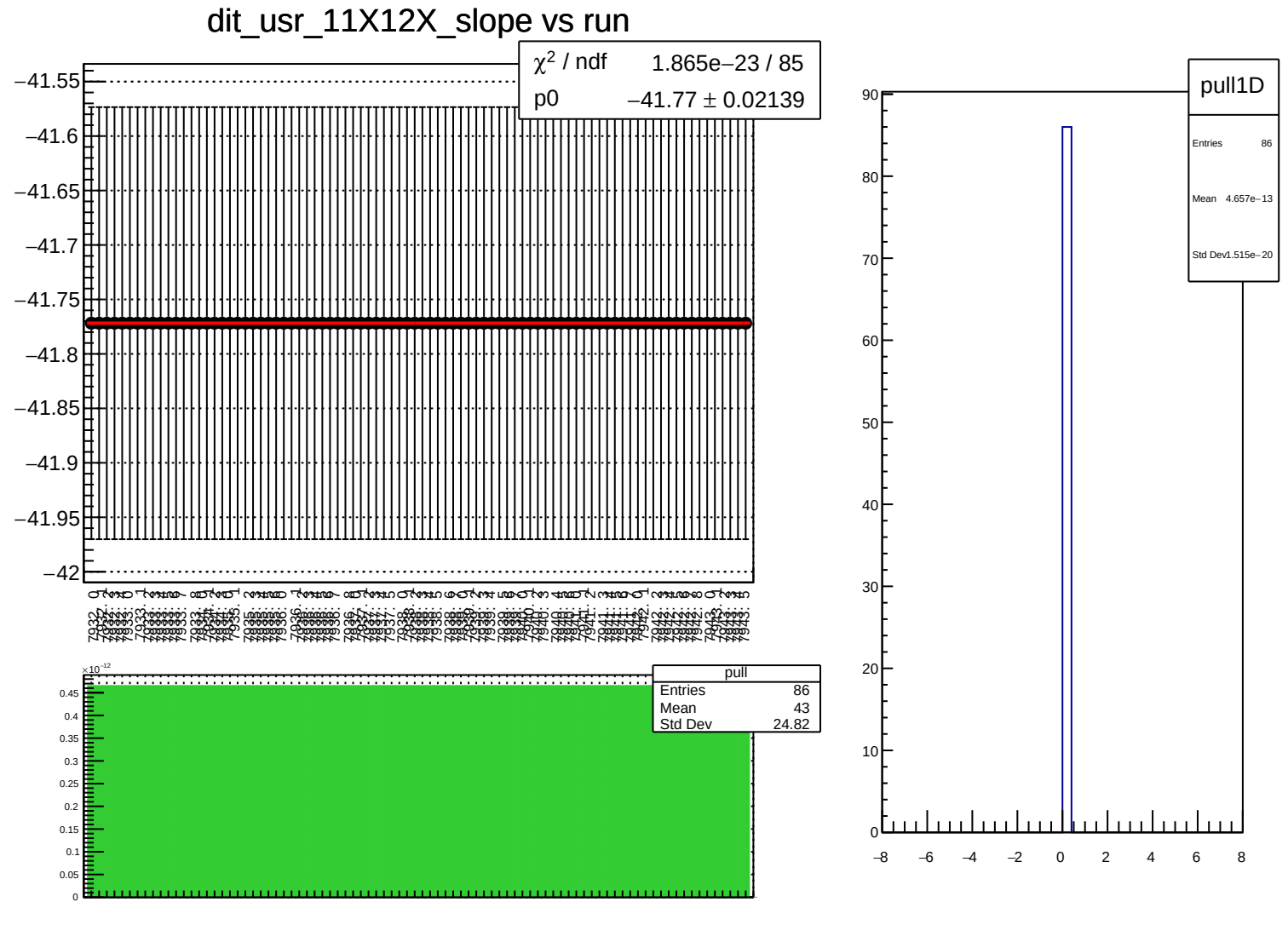

dit_usl_4aY_slope vs run
χ² / ndf 5.122e−30 / 85
p0 0.7968 ± 0.09811
pull
Entries 86
Mean 43
Std Dev 24.82

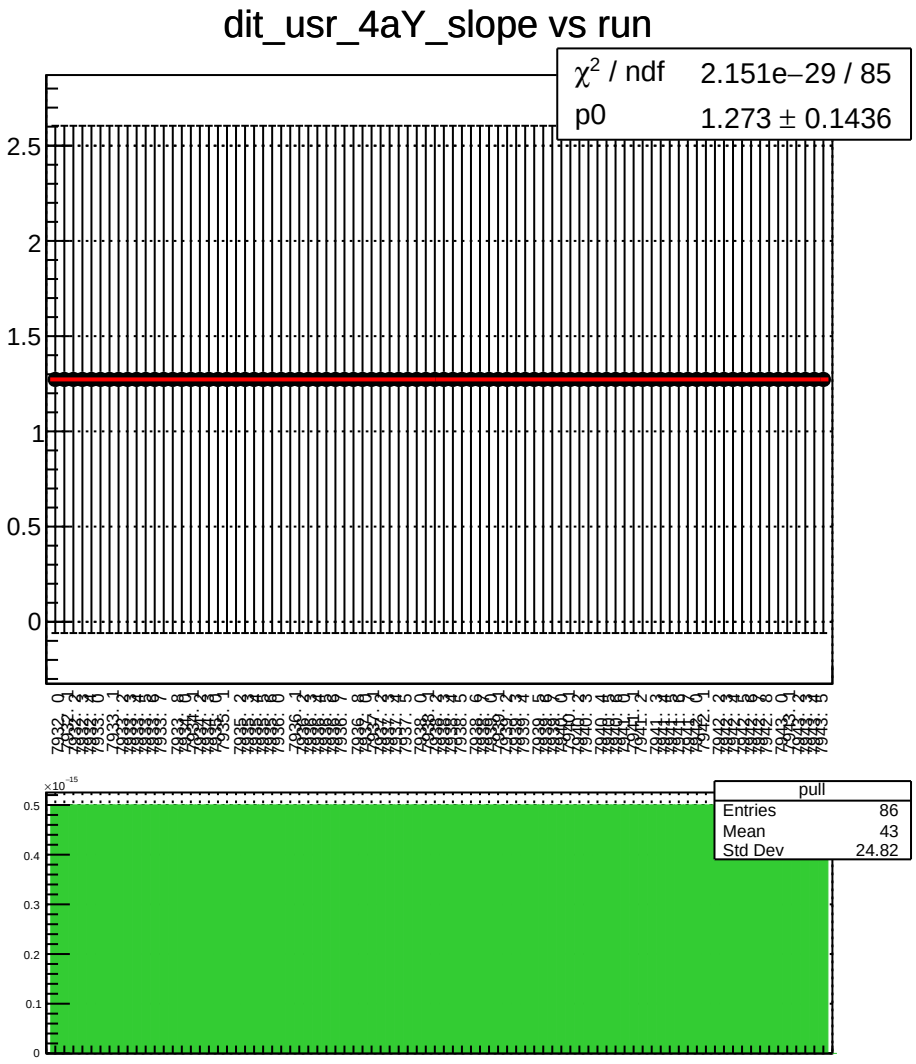

pull1D
Entries 86
Mean −2.44e−16
Std Dev1.146e−23

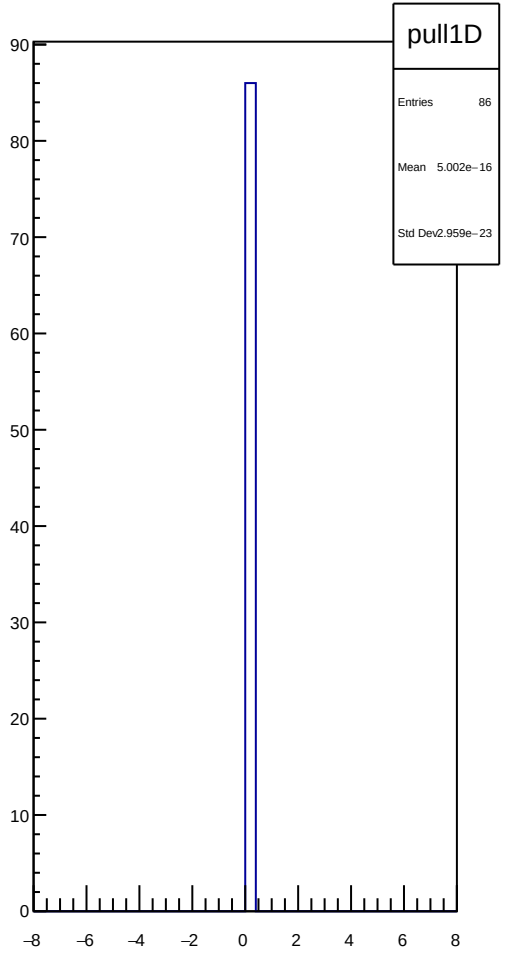

dit_usl_4eY_slope vs run
χ² / ndf 7.637e−26 / 85
p0 20.58 ± 0.08999
21.4
21.2
21
20.8
20.6
20.4
20.2
20
19.8
19.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 86
Mean −2.98e−14
Std Dev1.271e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

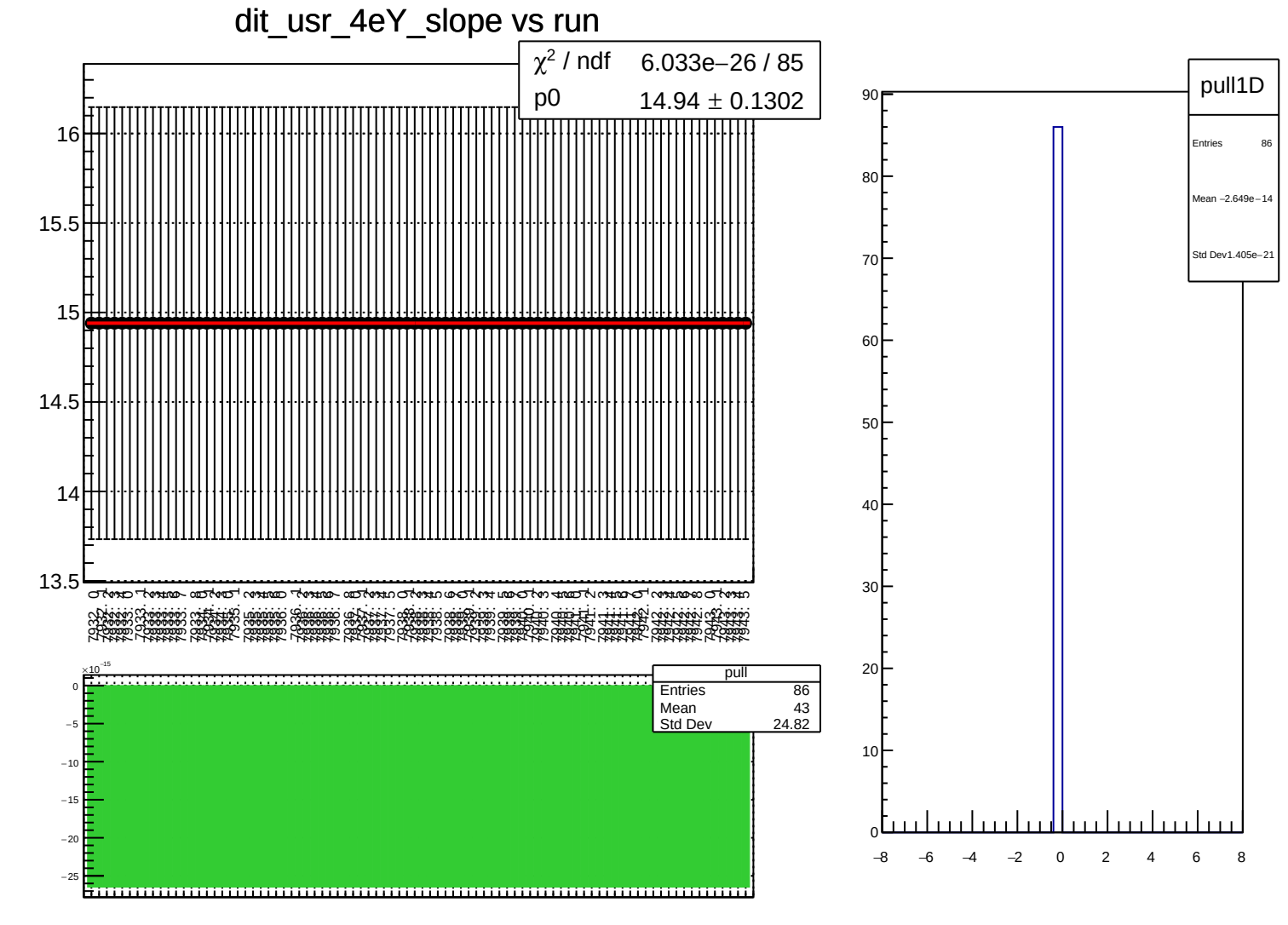

dit_usr_4aX_slope vs run
χ² / ndf 3.275e−25 / 85
p0 −268.4 ± 0.1987
−266.5
−267
−267.5
−268
−268.5
−269
−269.5
−270
−270.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 86
Mean −6.171e−14
Std Dev2.541e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

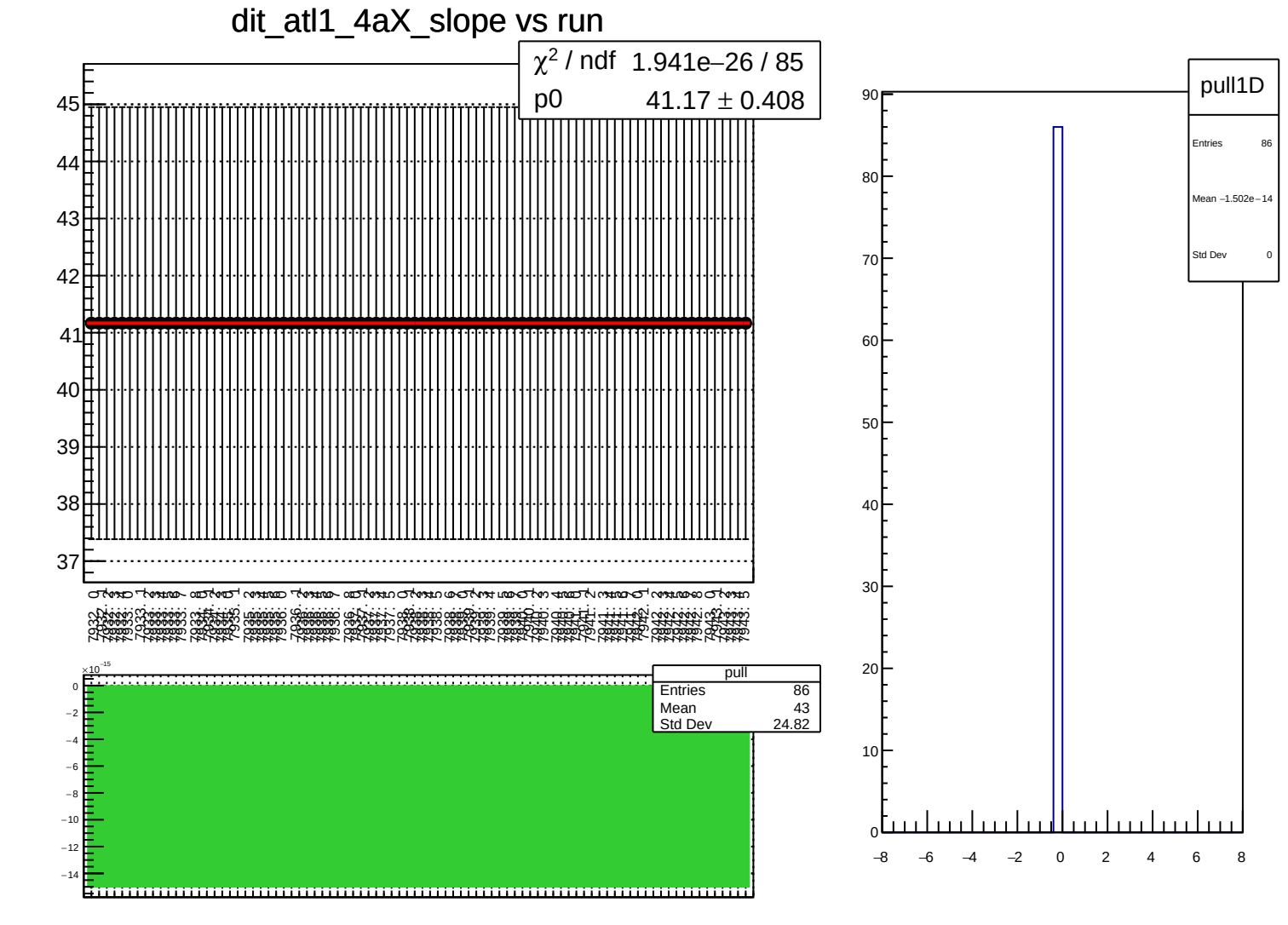

dit_usr_4eX_slope vs run
χ^2 / ndf 2.174e−24 / 85
p0 341.6 ± 0.1928
343.5
343
342.5
342
341.5
341
340.5
340
339.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 86
Mean −1.59e−13
Std Dev1.016e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

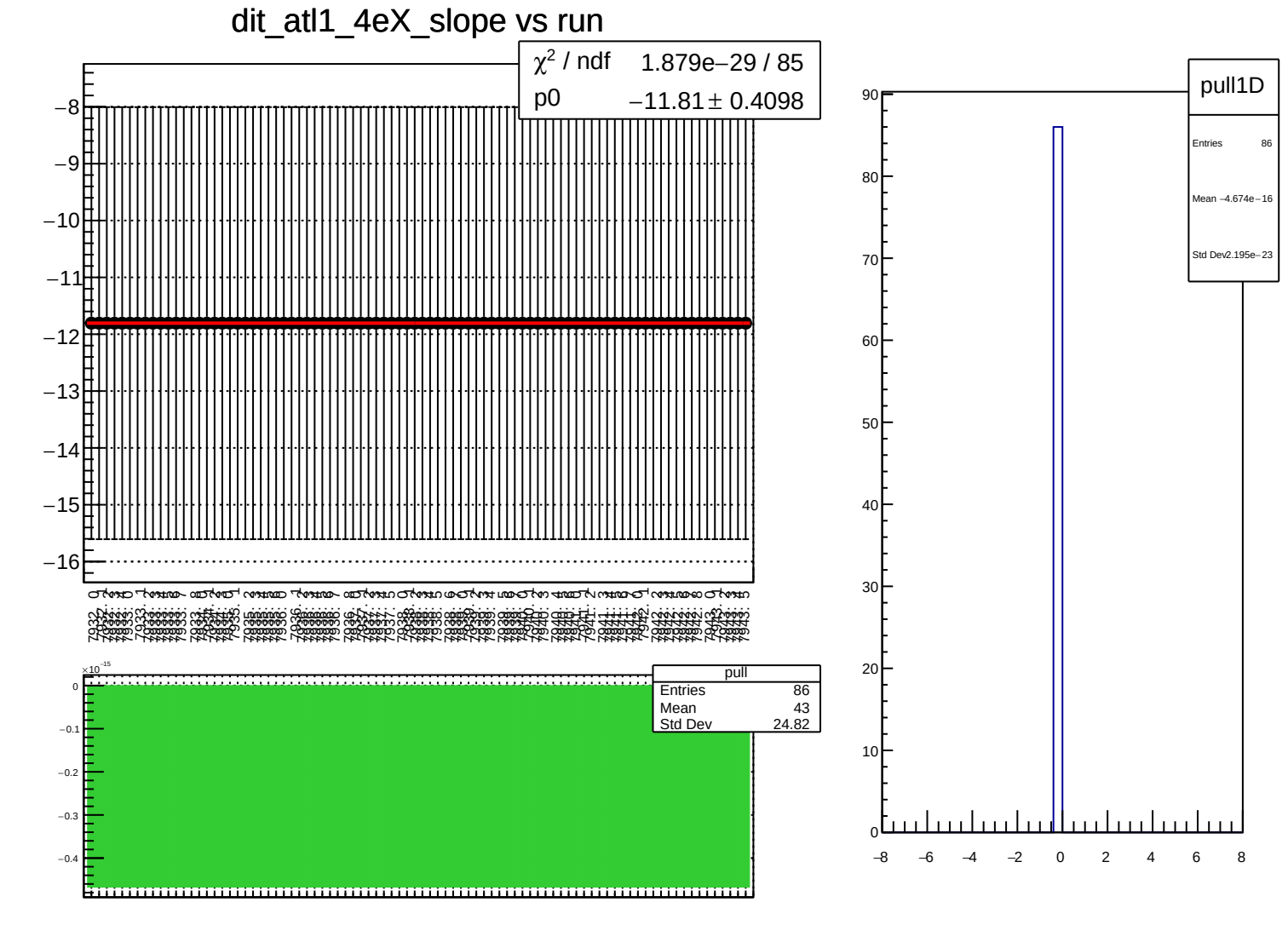

dit_usr_11X12X_slope vs run
χ² / ndf 1.865e−23 / 85
p0 −41.77 ± 0.02139
−41.55
−41.6
−41.65
−41.7
−41.75
−41.8
−41.85
−41.9
−41.95
−42
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 4.657e−13
Std Dev1.515e−20

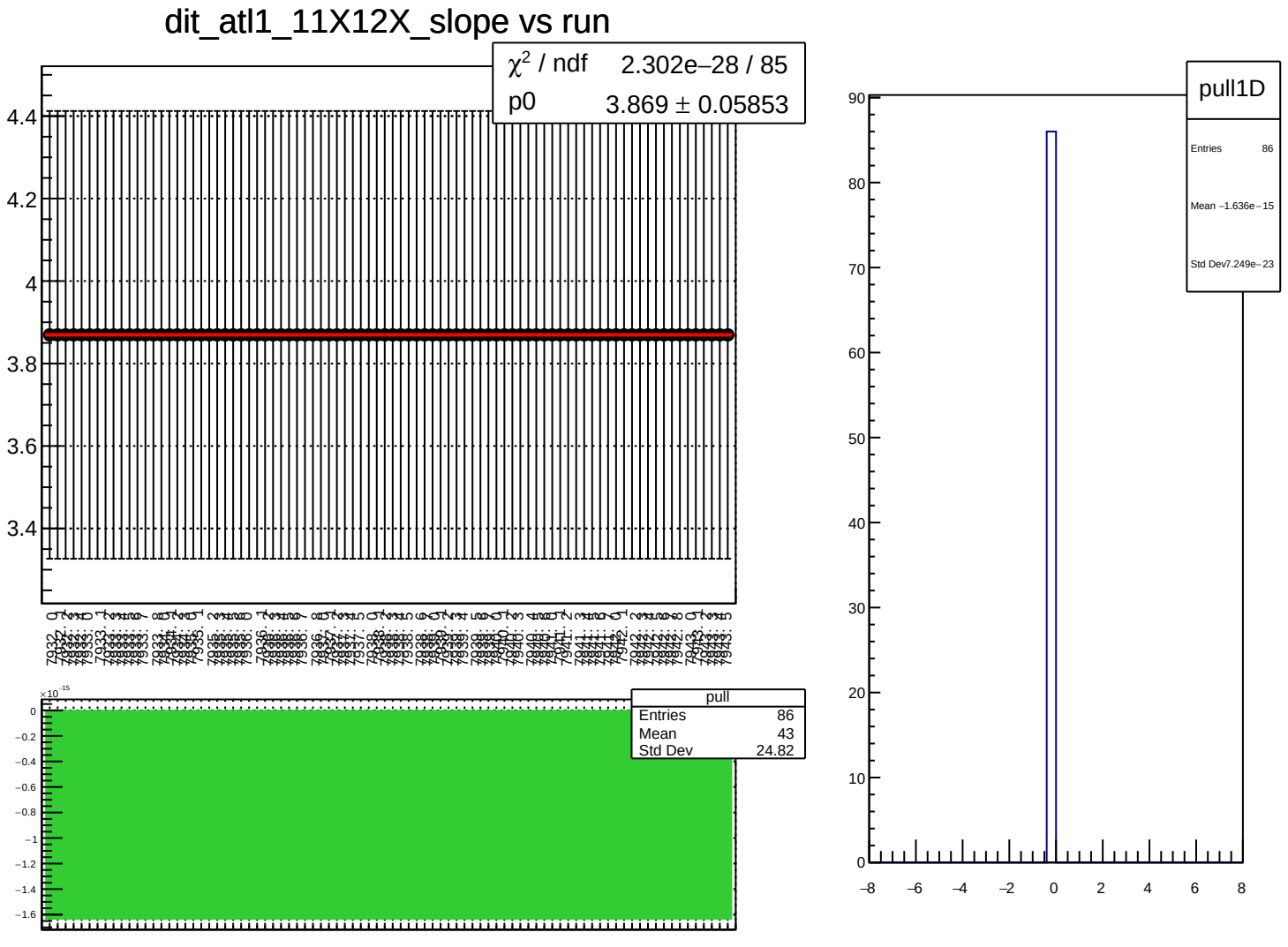

dit_usr_4aY_slope vs run
χ² / ndf 2.151e−29 / 85
p0 1.273 ± 0.1436
pull
Entries 86
Mean 43
Std Dev 24.82

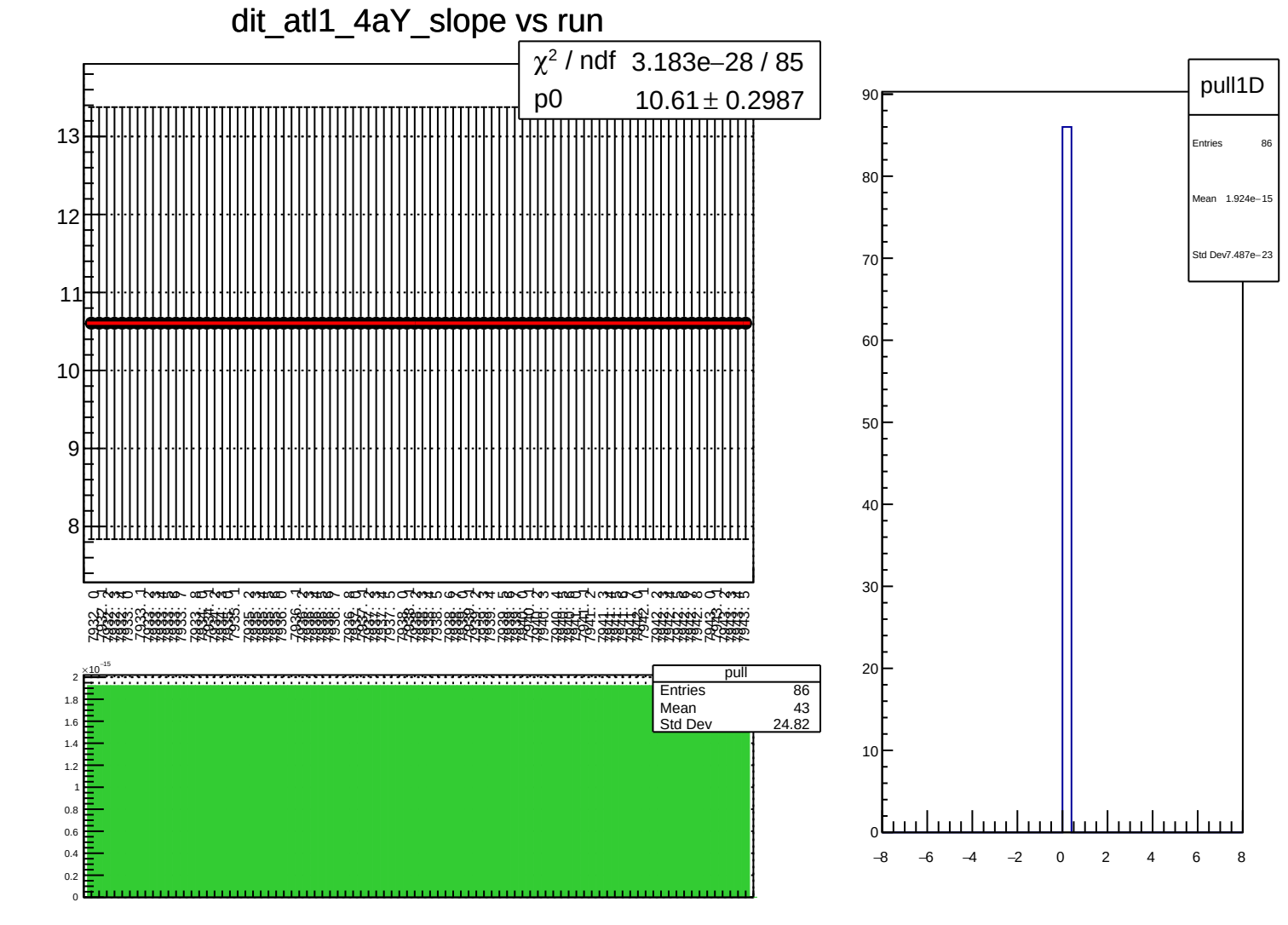

pull1D
Entries 86
Mean 5.002e−16
Std Dev 2.959e−23

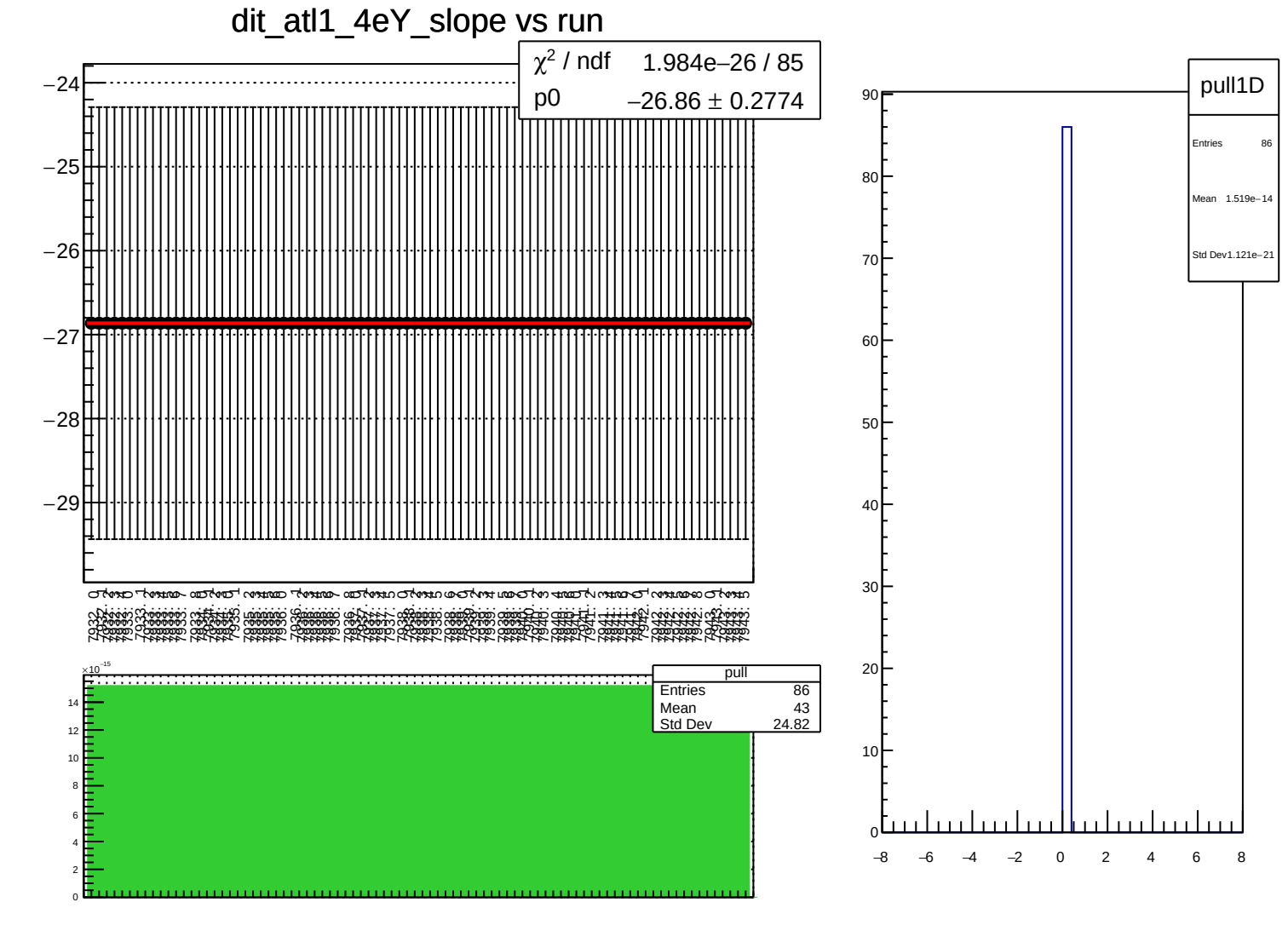

dit_usr_4eY_slope vs run
χ² / ndf 6.033e−26 / 85
p0 14.94 ± 0.1302
16
15.5
15
14.5
14
13.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 86
Mean −2.649e−14
Std Dev1.405e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

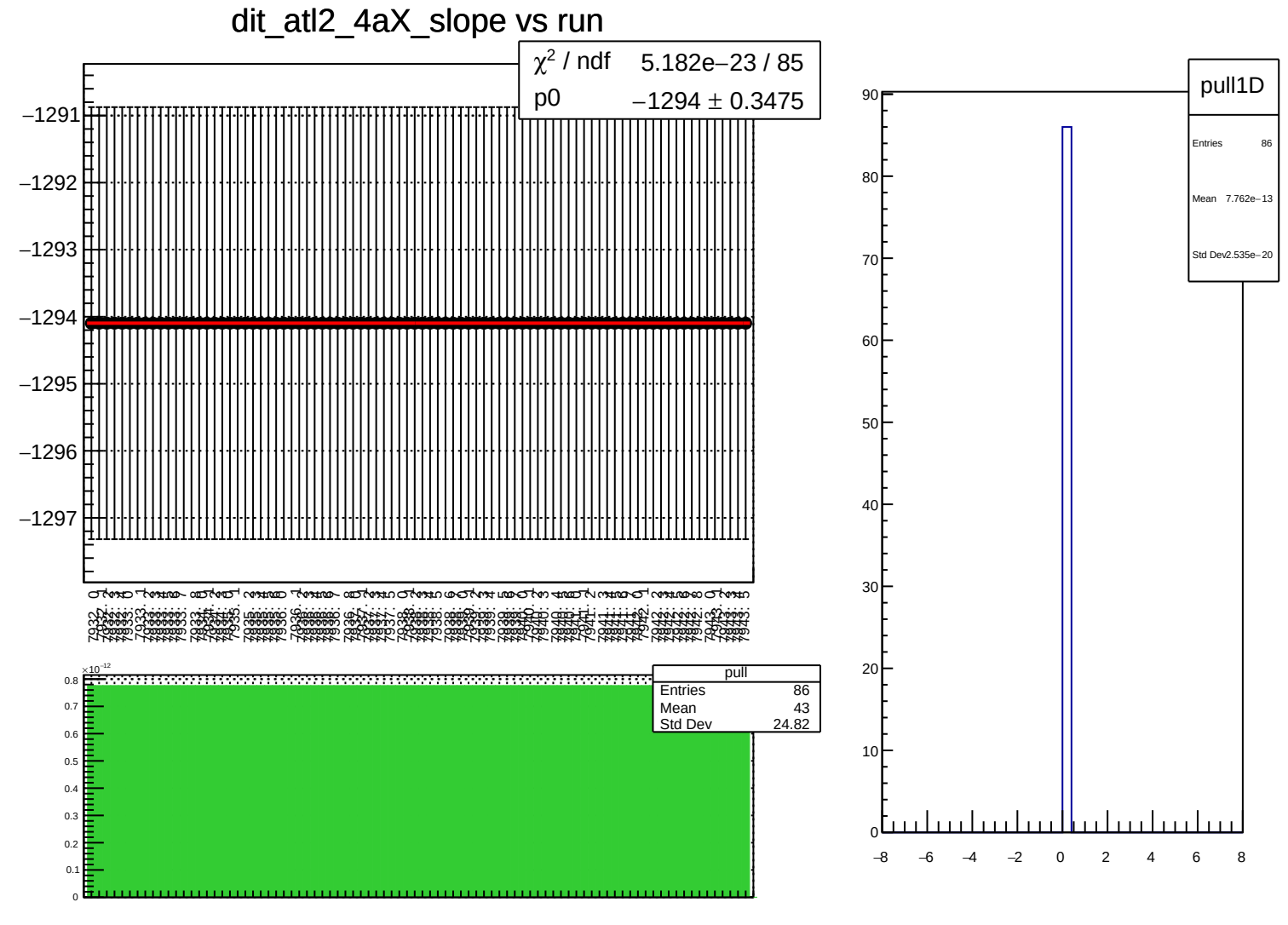

dit_atl1_4aX_slope vs run
χ^2 / ndf 1.941e−26 / 85
p0 41.17 ± 0.408
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −1.502e−14
Std Dev 0

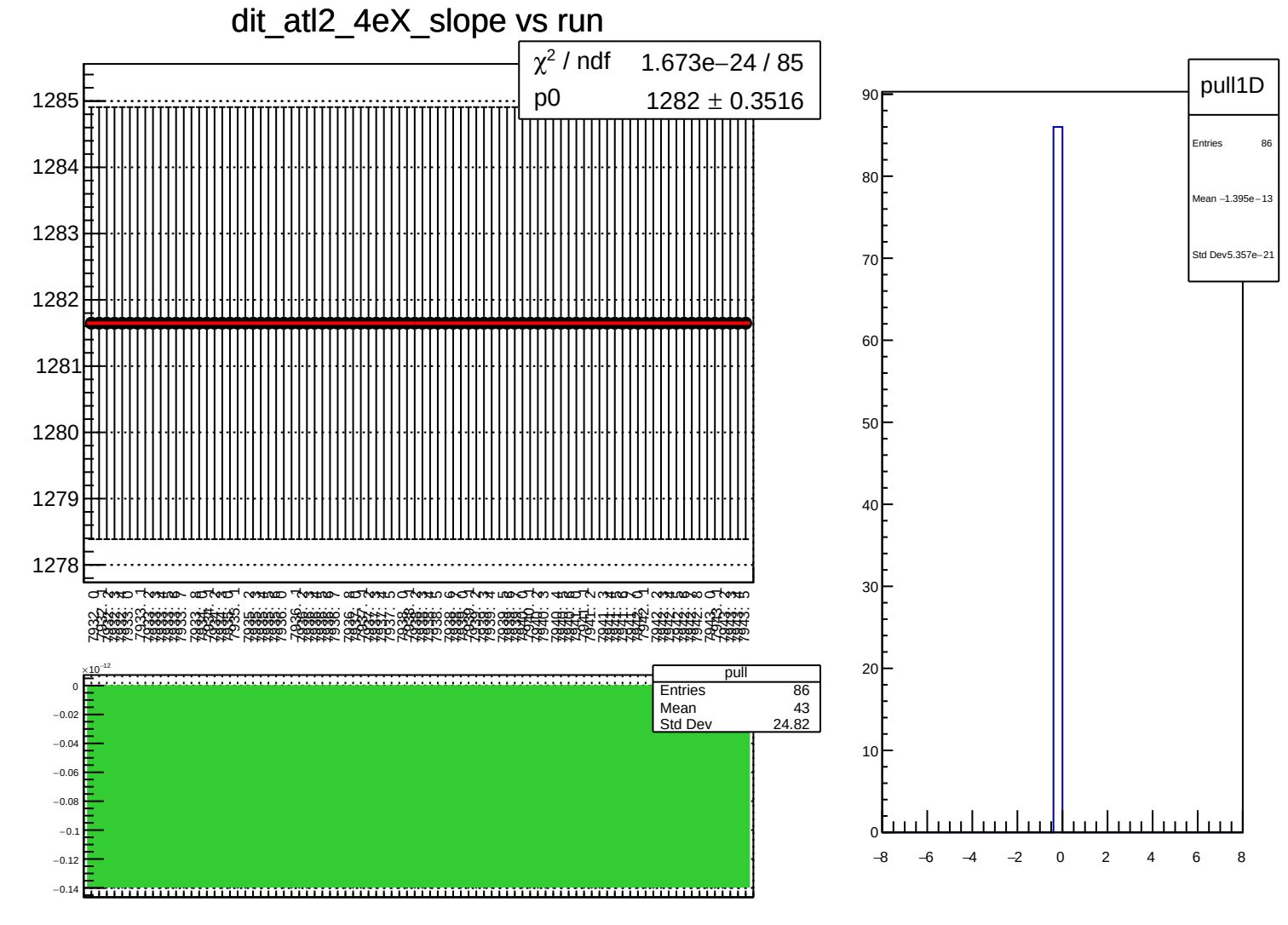

dit_atl1_4eX_slope vs run
χ² / ndf 1.879e−29 / 85
p0 −11.81 ± 0.4098
−8
−9
−10
−11
−12
−13
−14
−15
−16
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 86
Mean −4.674e−16
Std Dev 2.195e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

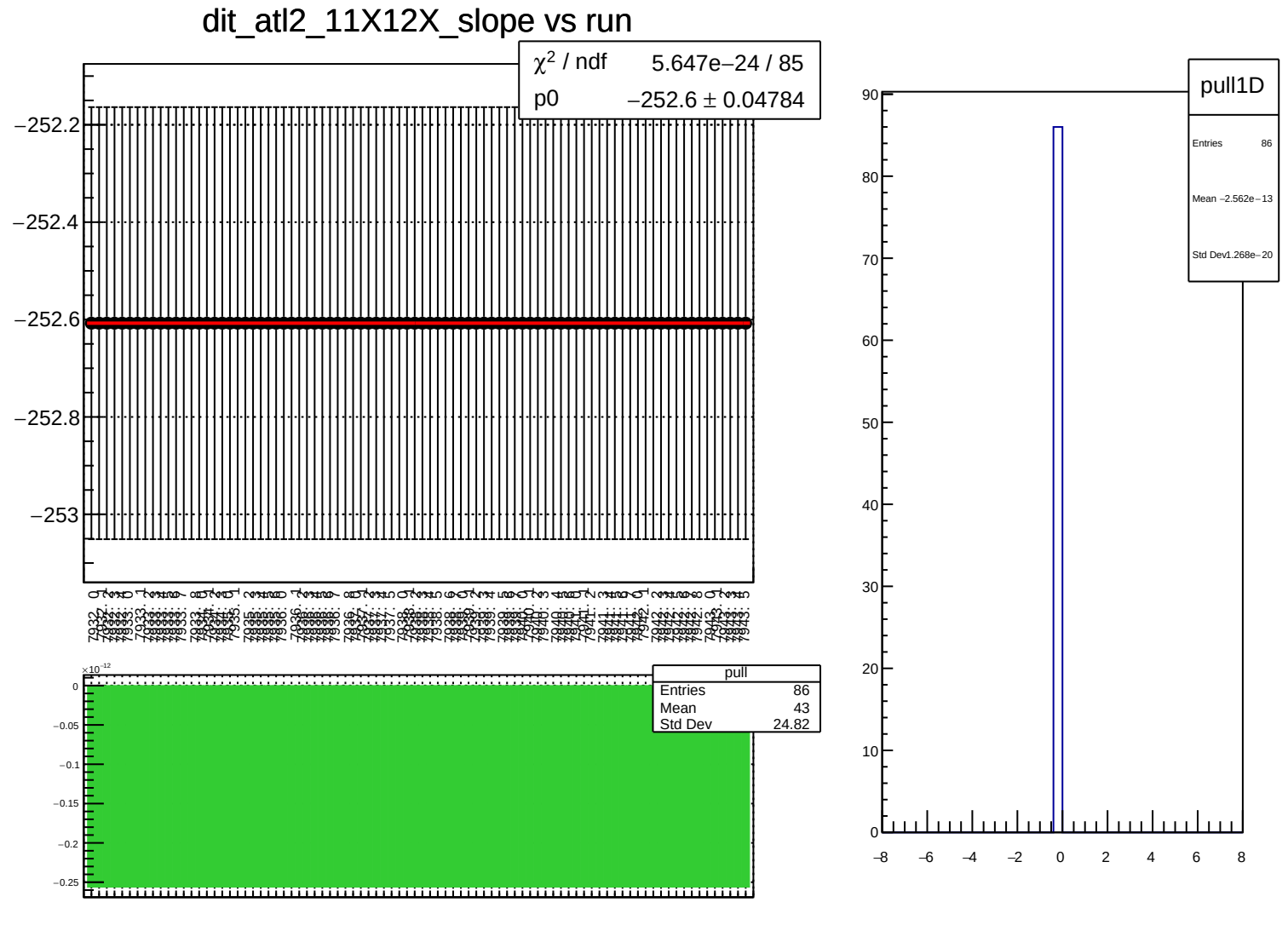

dit_atl1_11X12X_slope vs run
χ² / ndf 2.302e−28 / 85
p0 3.869 ± 0.05853
4.4
4.2
4
3.8
3.6
3.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
pull1D
Entries 86
Mean −1.636e−15
Std Dev7.249e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

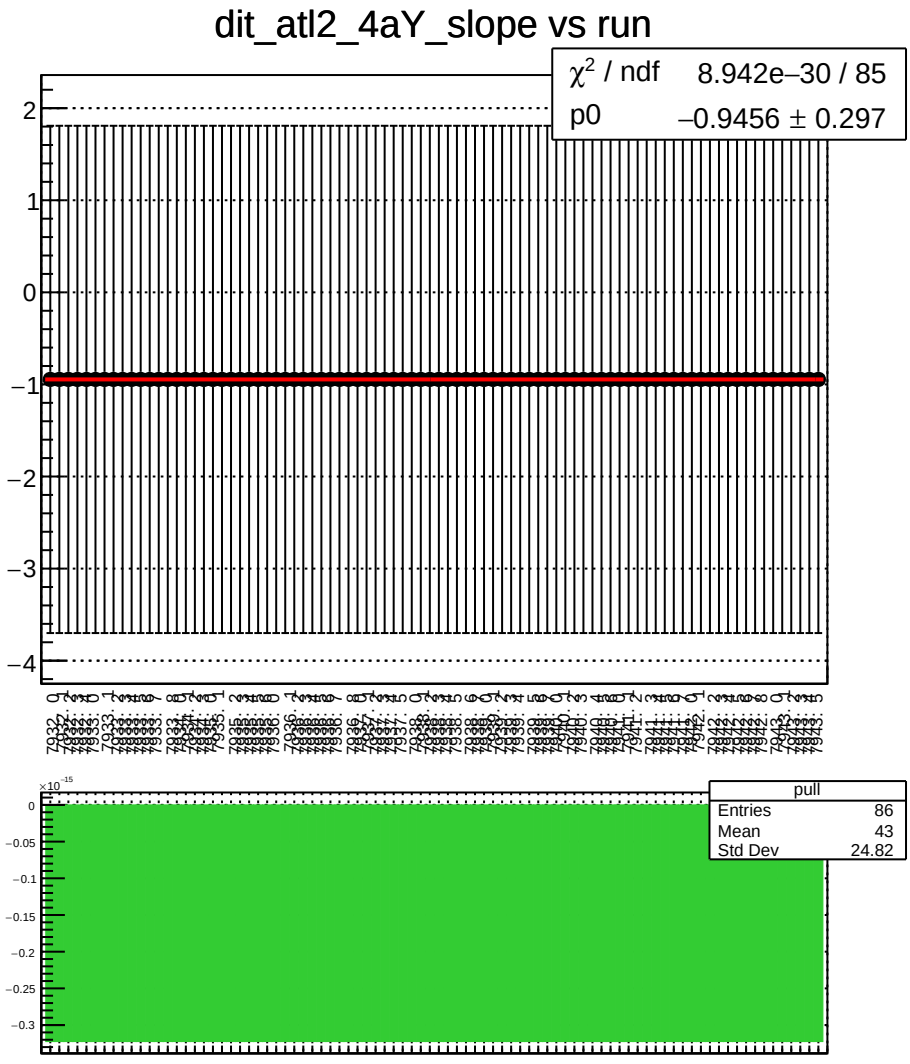

dit_atl1_4aY_slope vs run
χ² / ndf 3.183e−28 / 85
p0 10.61 ± 0.2987
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.924e−15
Std Dev7.487e−23

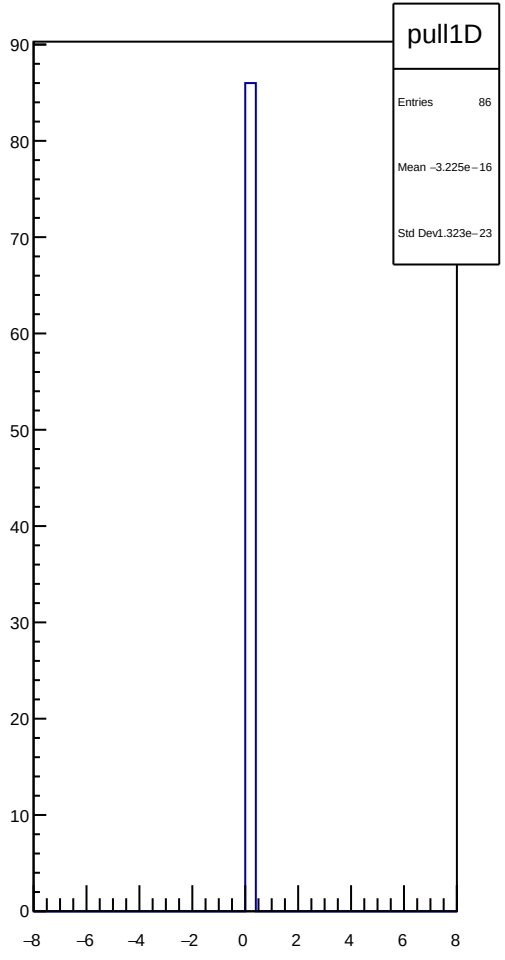

dit_atl1_4eY_slope vs run
χ² / ndf 1.984e−26 / 85
p0 −26.86 ± 0.2774
−24
−25
−26
−27
−28
−29
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull1D
Entries 86
Mean 1.519e−14
Std Dev1.121e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

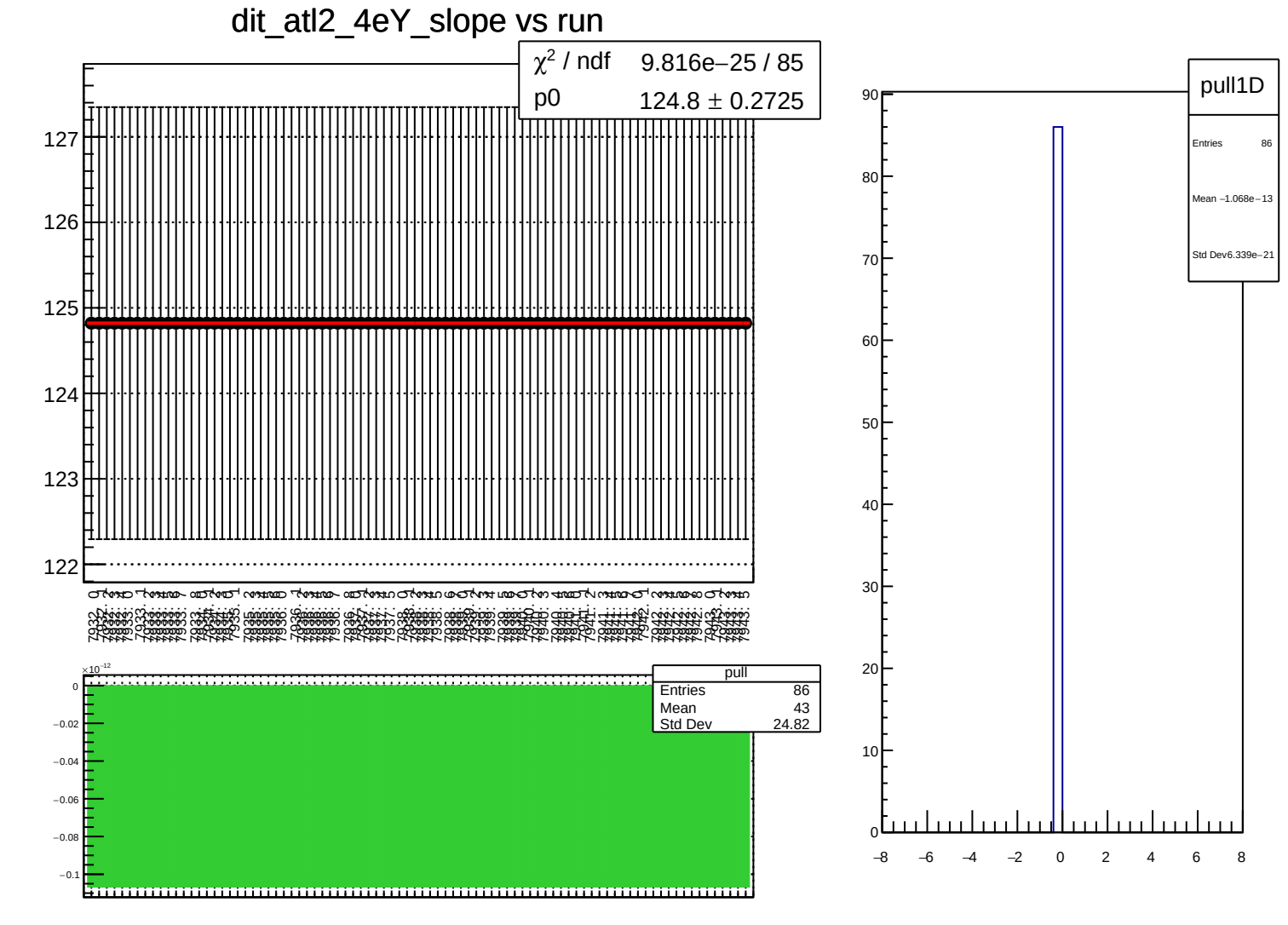

dit_atl2_4aX_slope vs run
χ^2 / ndf 5.182e−23 / 85
p0 −1294 ± 0.3475
−1291
−1292
−1293
−1294
−1295
−1296
−1297
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 86
Mean 7.762e−13
Std Dev 2.535e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

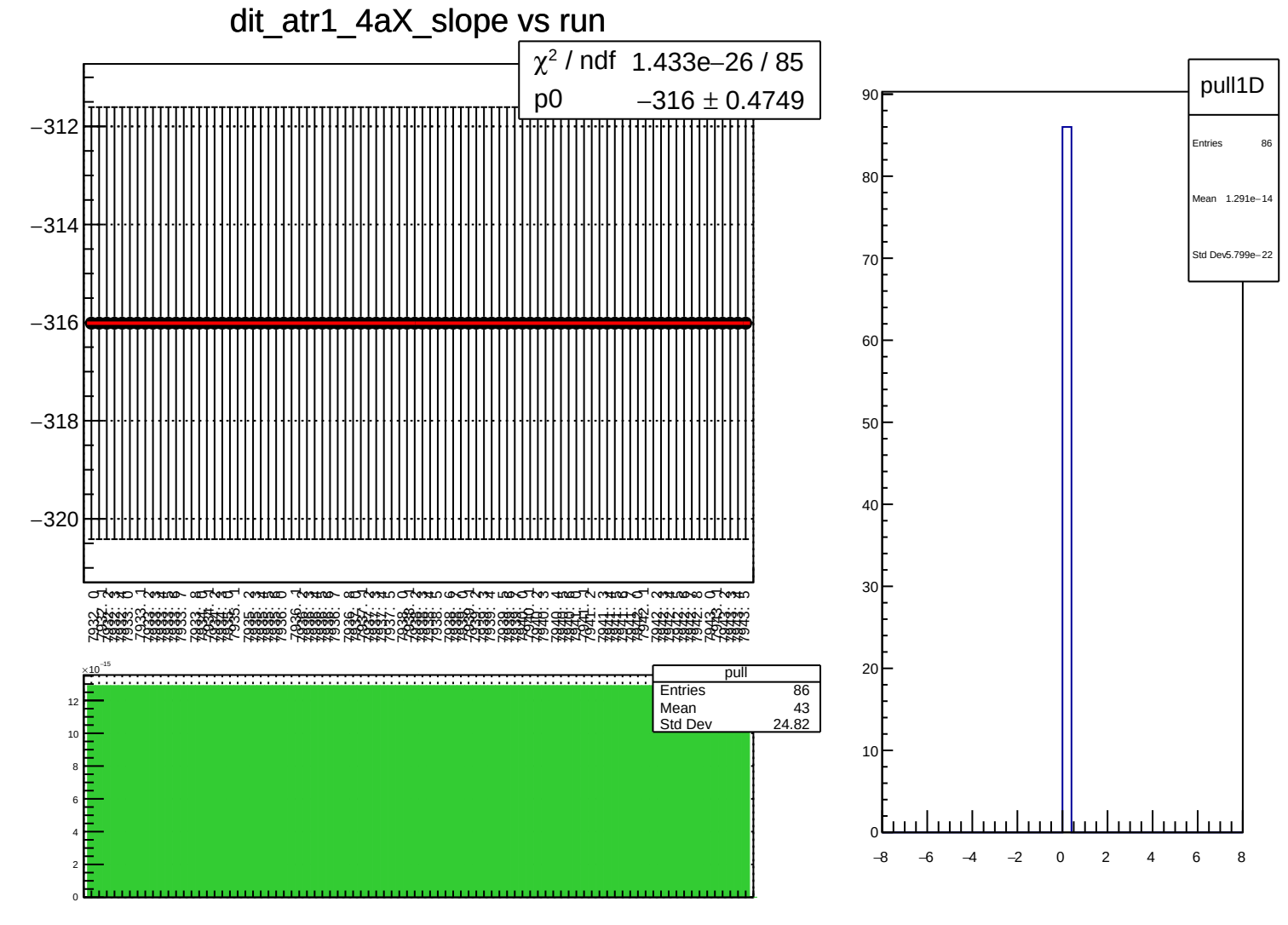

dit_atl2_4eX_slope vs run
χ² / ndf 1.673e−24 / 85
p0 1282 ± 0.3516
1285
1284
1283
1282
1281
1280
1279
1278
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 86
Mean −1.395e−13
Std Dev5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

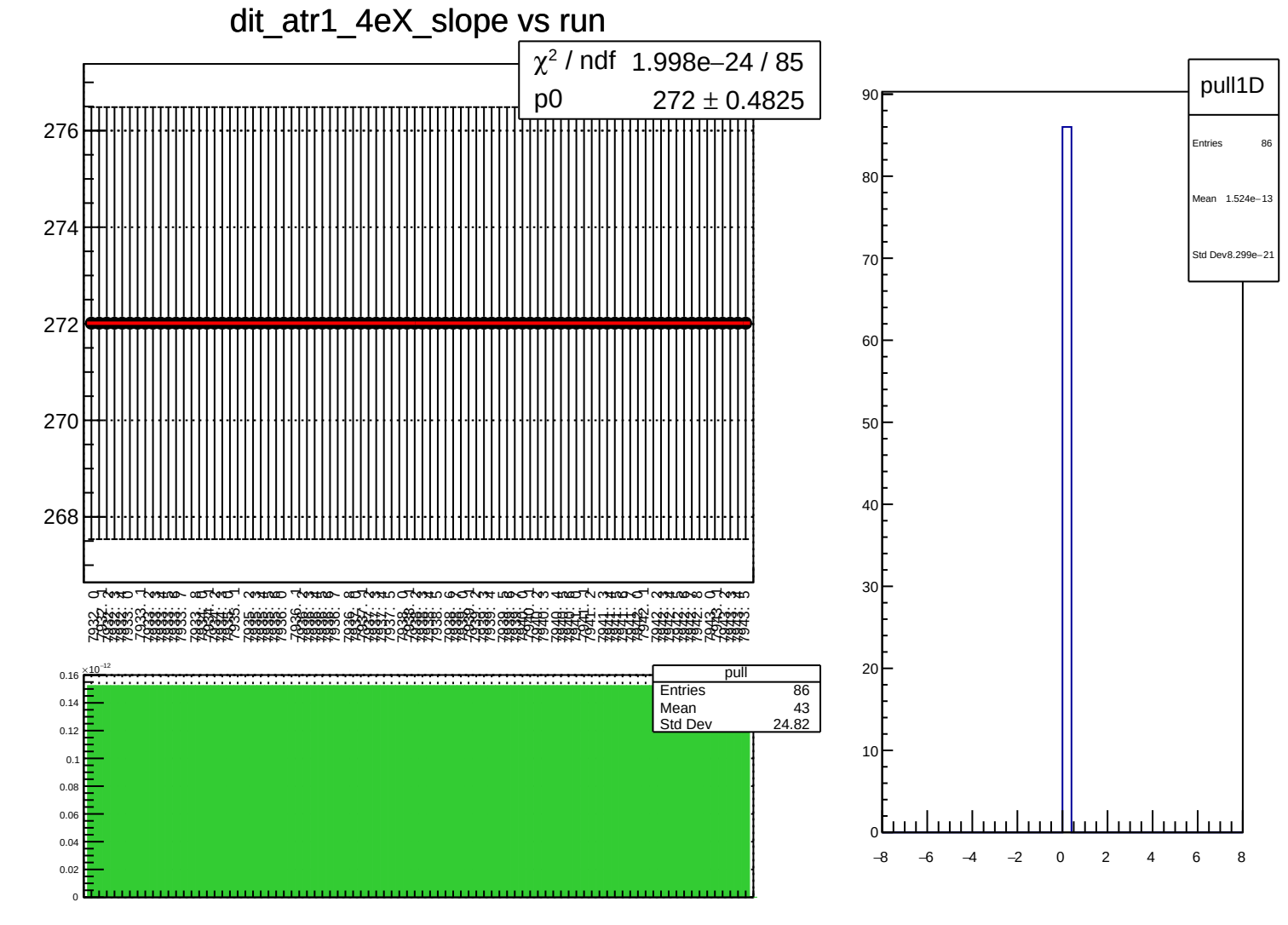

dit_atl2_11X12X_slope vs run
χ² / ndf 5.647e−24 / 85
p0 −252.6 ± 0.04784
−252.2
−252.4
−252.6
−252.8
−253
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 86
Mean −2.562e−13
Std Dev1.268e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

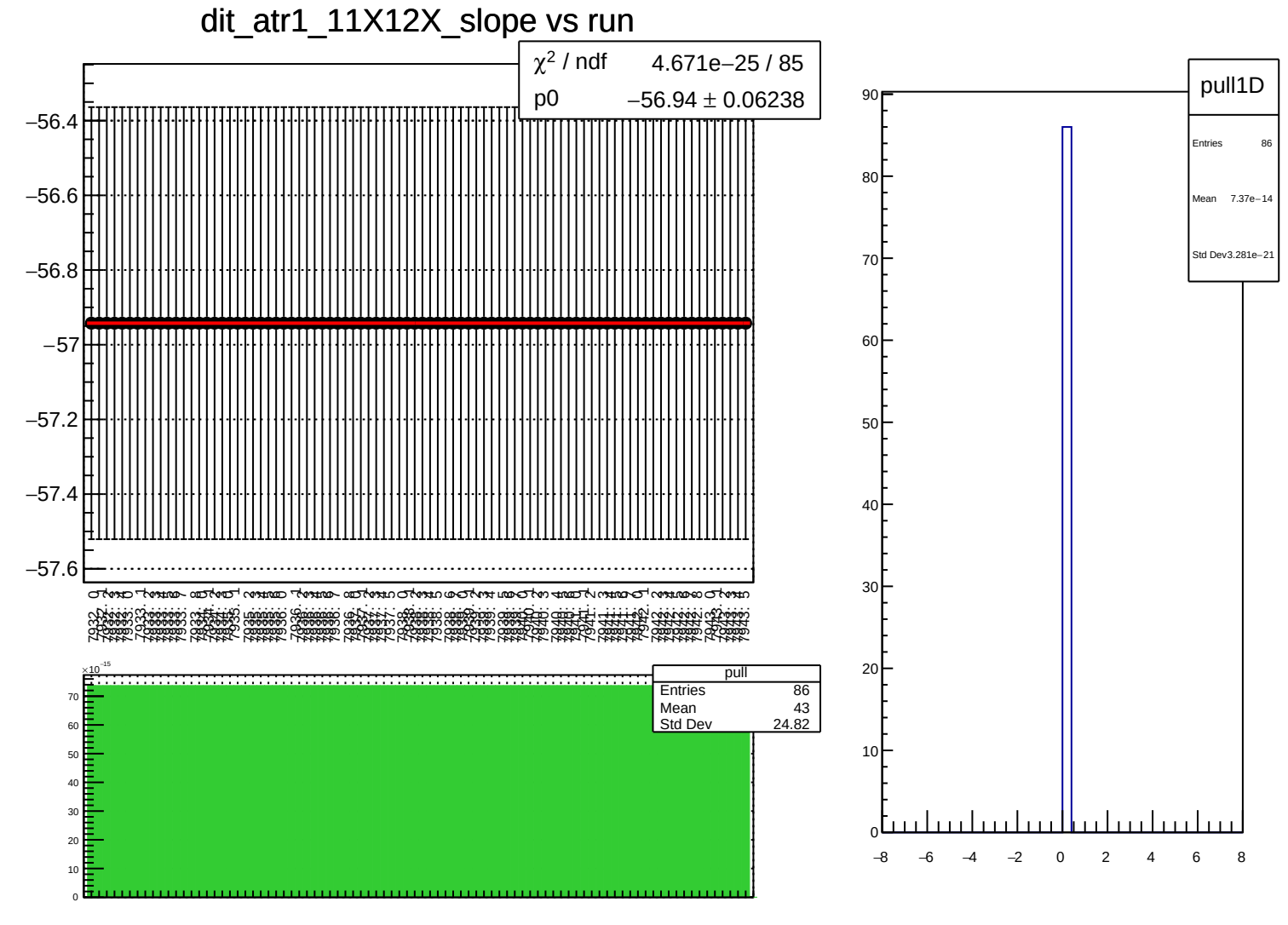

dit_atl2_4aY_slope vs run
χ² / ndf 8.942e−30 / 85
p0 −0.9456 ± 0.297
pull
Entries 86
Mean 43
Std Dev 24.82

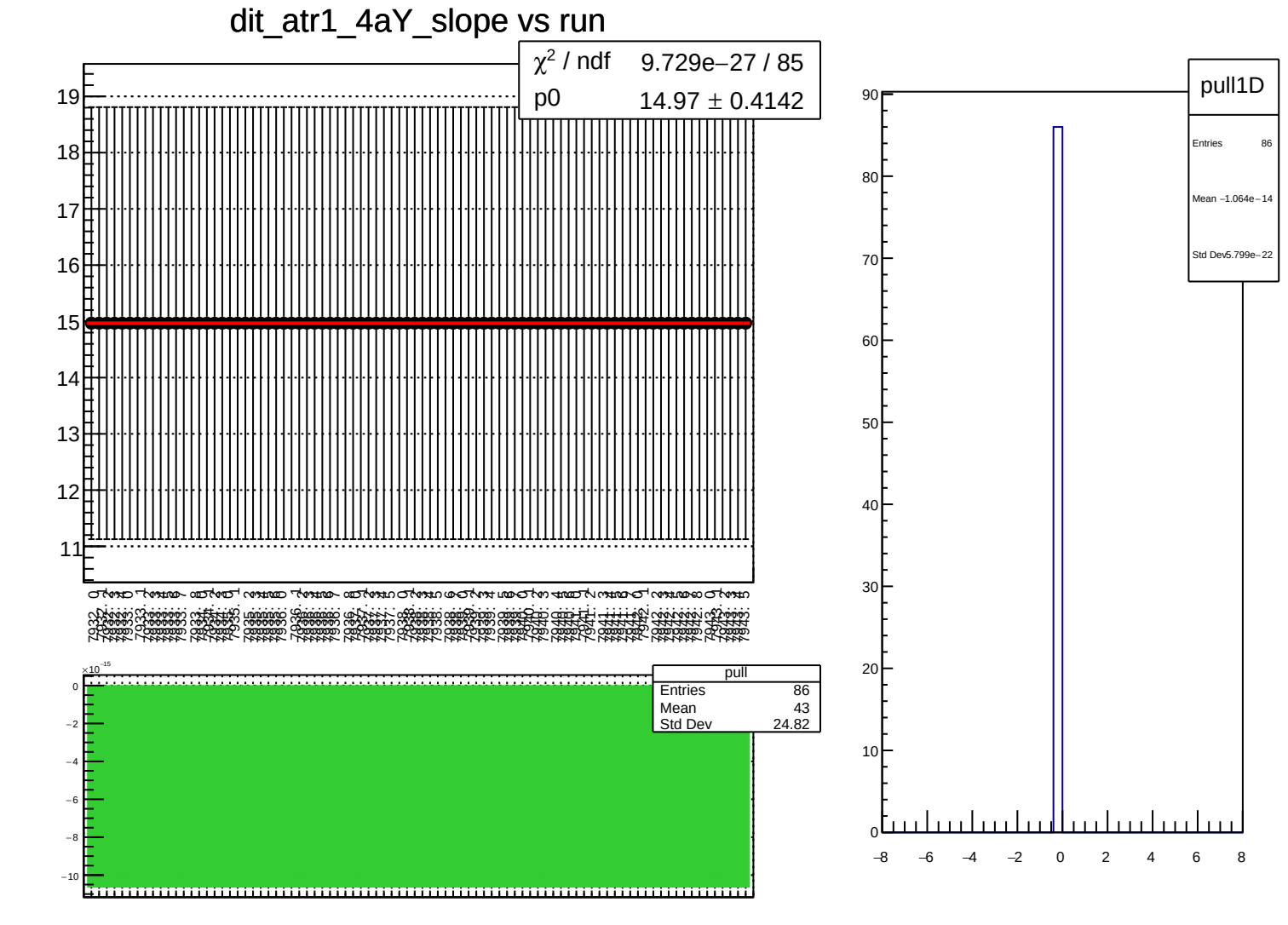

pull1D
Entries 86
Mean −3.225e−16
Std Dev1.323e−23

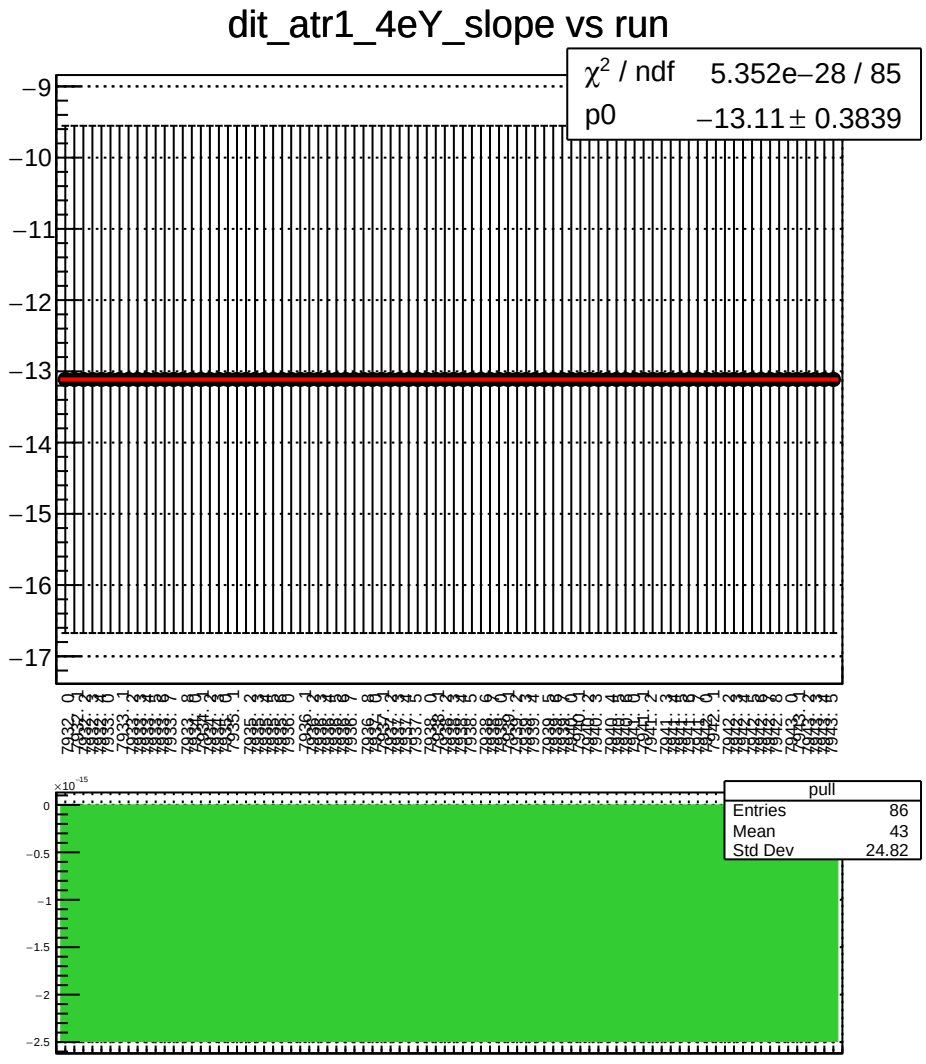

dit_atl2_4eY_slope vs run
χ² / ndf 9.816e−25 / 85
p0 124.8 ± 0.2725
127
126
125
124
123
122
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 86
Mean −1.068e−13
Std Dev6.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

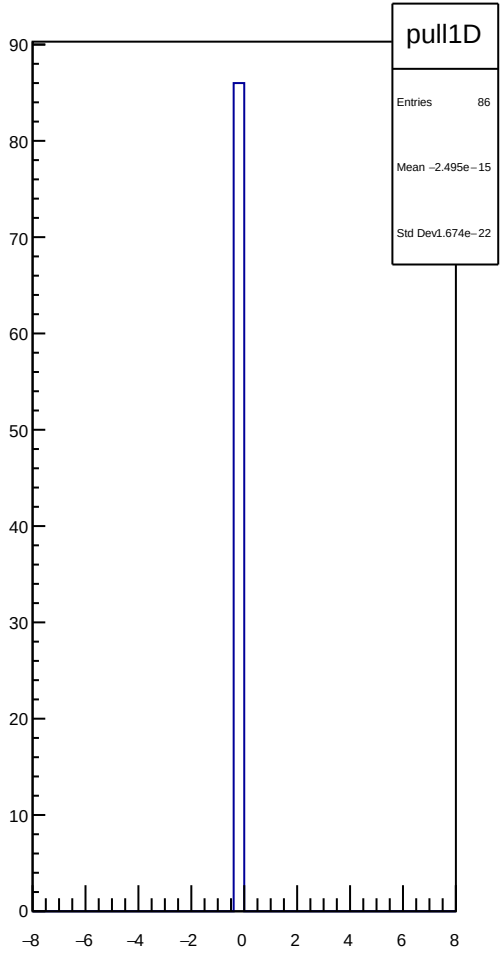

dit_atr1_4aX_slope vs run
χ² / ndf 1.433e−26 / 85
p0 −316 ± 0.4749
−312
−314
−316
−318
−320
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.291e−14
Std Dev 5.799e−22

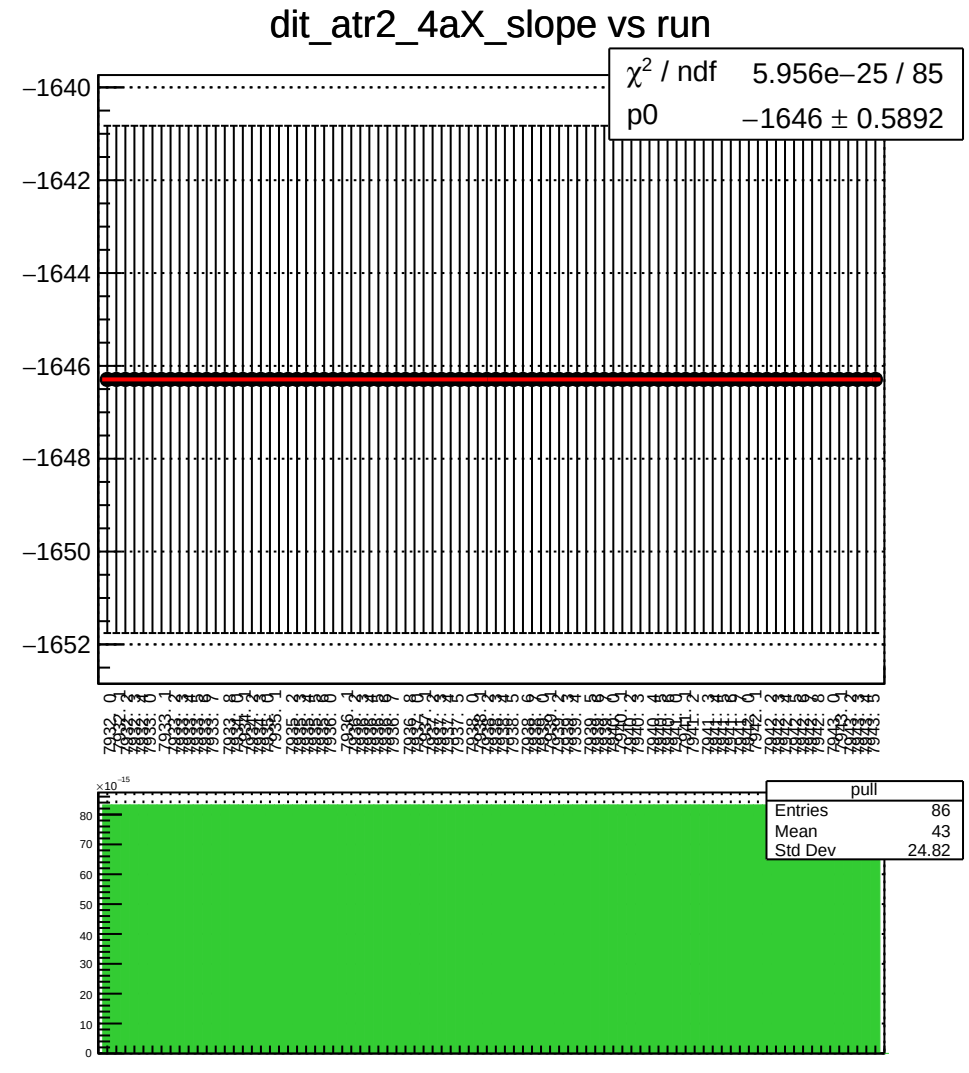

dit_atr1_4eX_slope vs run
χ² / ndf 1.998e−24 / 85
p0 272 ± 0.4825
276
274
272
270
268
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 1.524e−13
Std Dev8.299e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

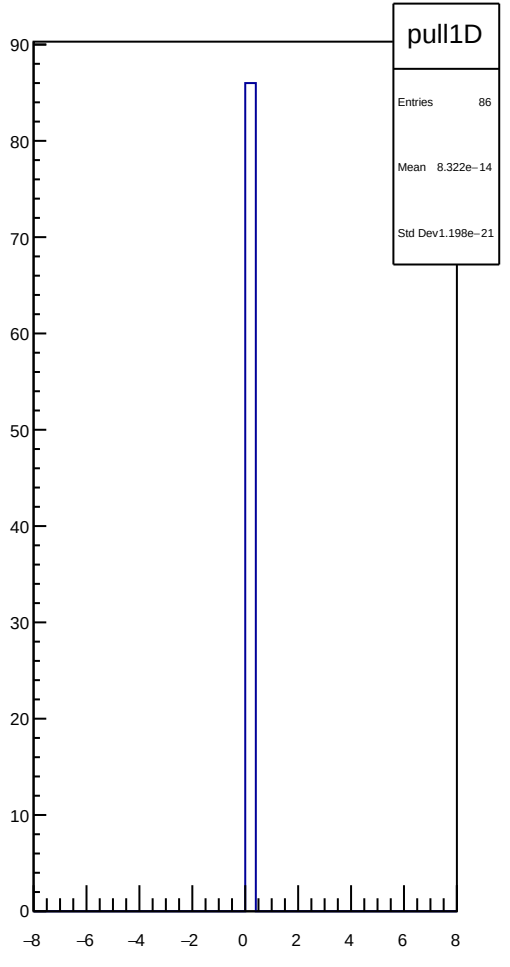

dit_atr1_11X12X_slope vs run
χ² / ndf 4.671e−25 / 85
p0 −56.94 ± 0.06238
−56.4
−56.6
−56.8
−57
−57.2
−57.4
−57.6
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 7.37e−14
Std Dev3.281e−21

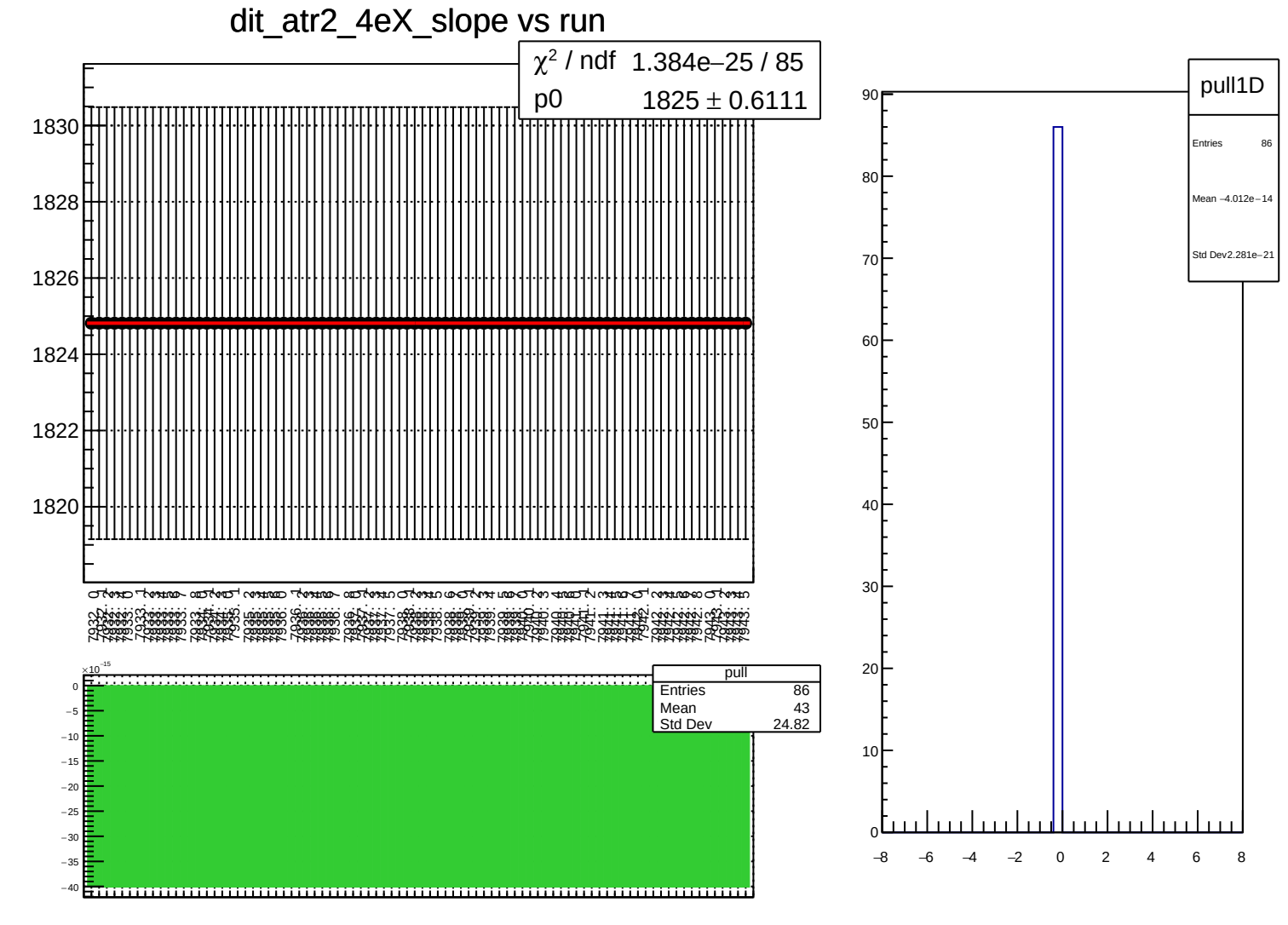

dit_atr1_4aY_slope vs run
χ² / ndf 9.729e−27 / 85
p0 14.97 ± 0.4142
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −1.064e−14
Std Dev 5.799e−22

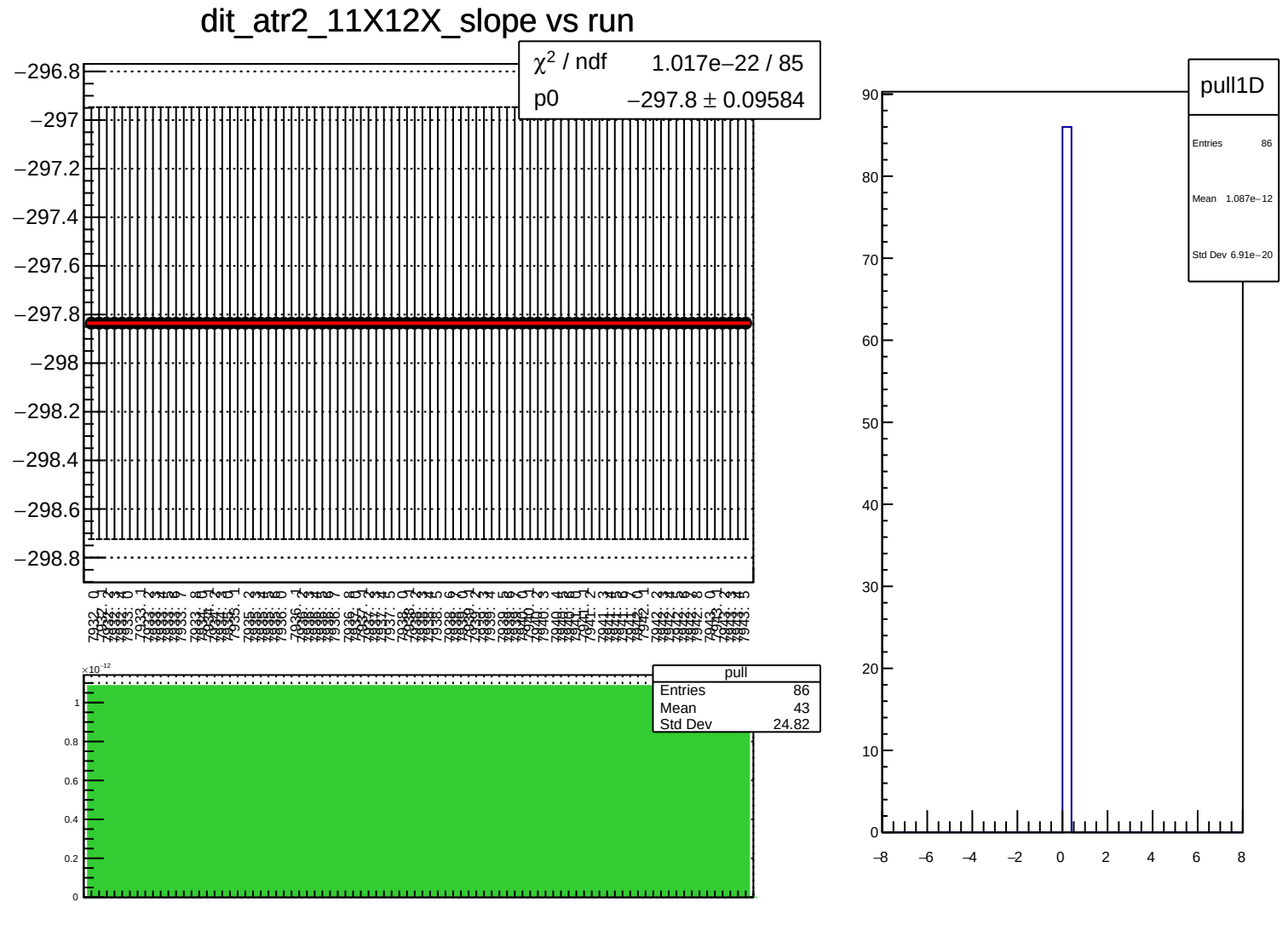

dit_atr1_4eY_slope vs run
χ² / ndf 5.352e−28 / 85
p0 −13.11 ± 0.3839
pull
Entries 86
Mean 43
Std Dev 24.82

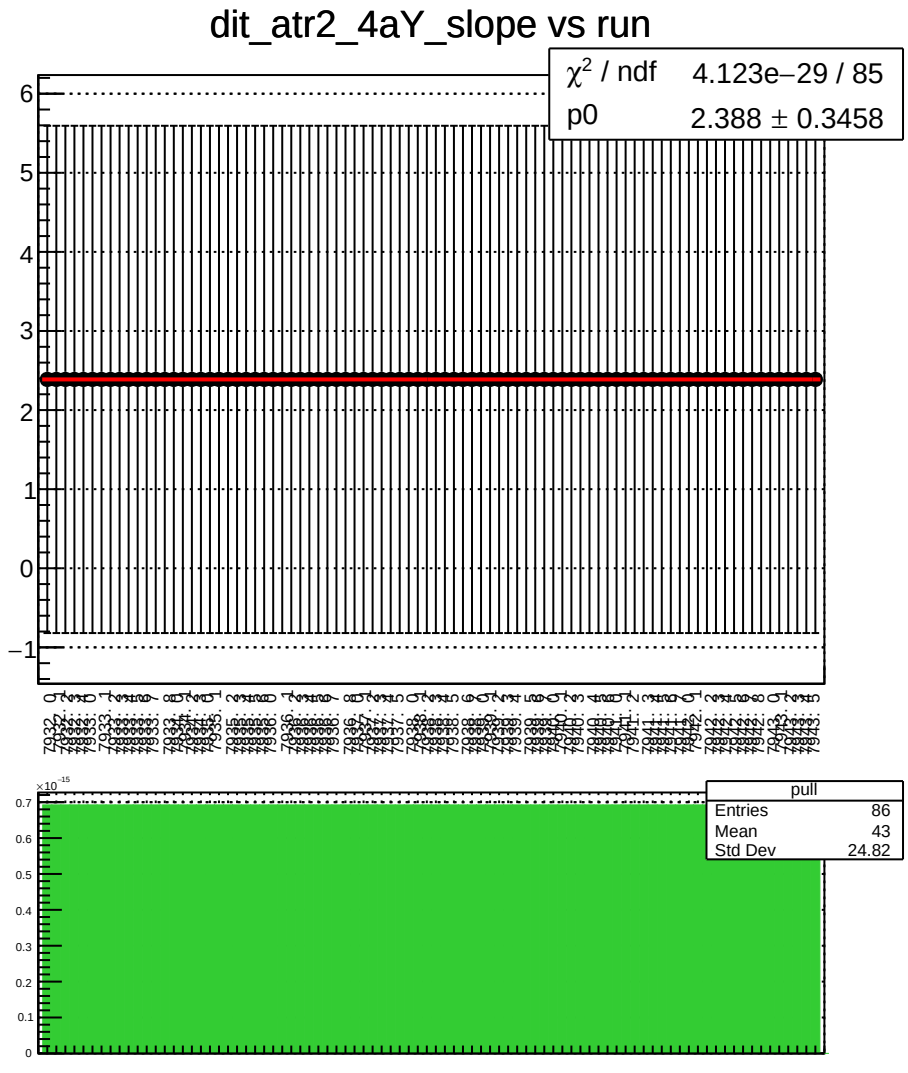

pull1D
Entries 86
Mean −2.495e−15
Std Dev1.674e−22

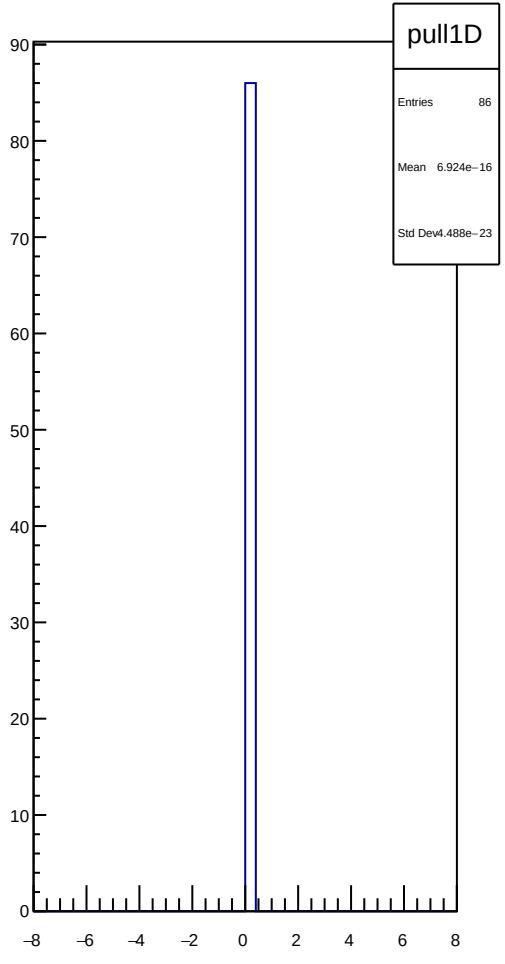

dit_atr2_4aX_slope vs run
χ² / ndf 5.956e−25 / 85
p0 −1646 ± 0.5892
−1640
−1642
−1644
−1646
−1648
−1650
−1652
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

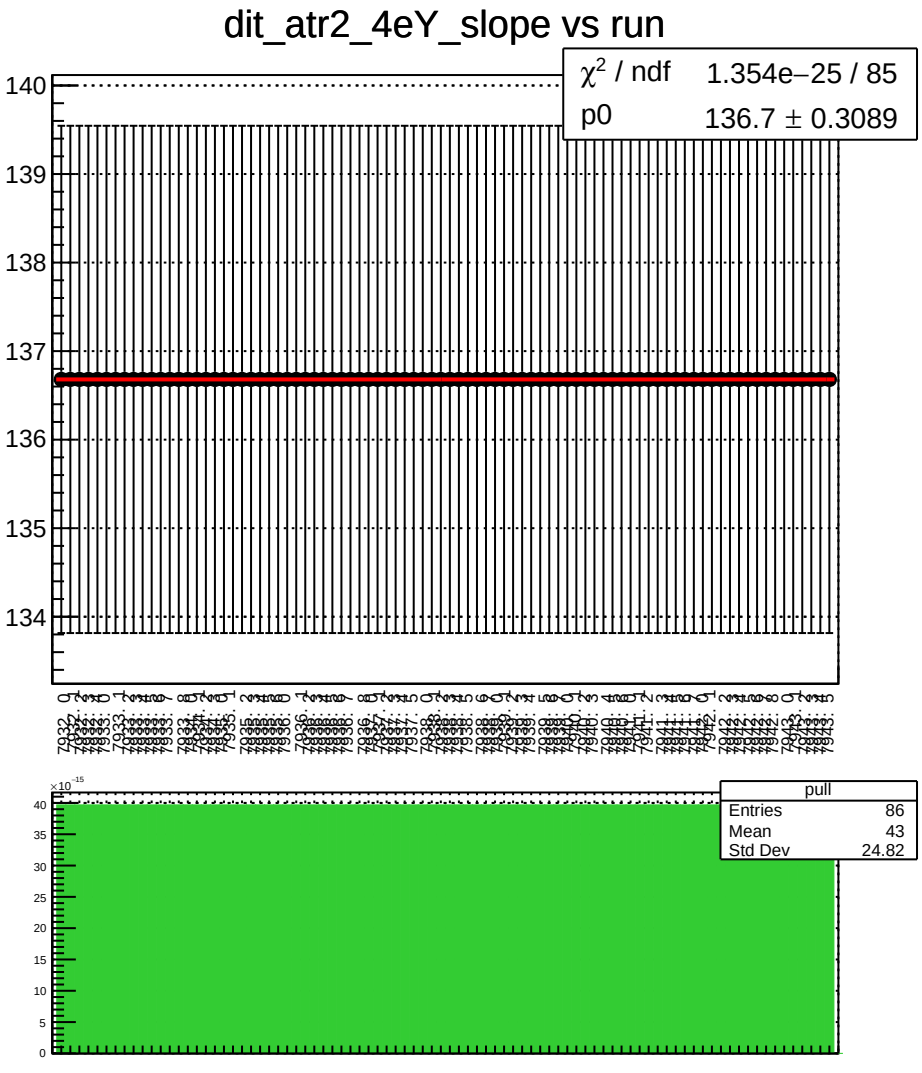

pull1D
Entries 86
Mean 8.322e−14
Std Dev1.198e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

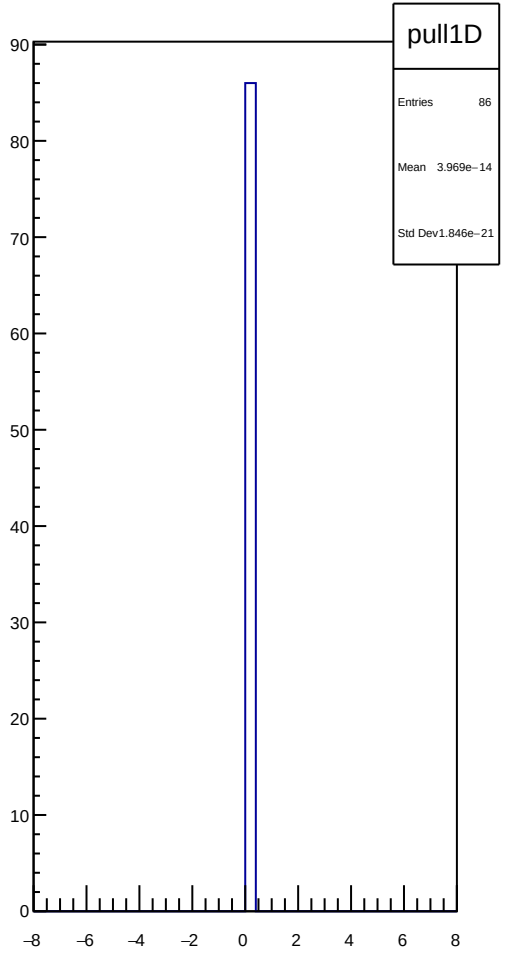

dit_atr2_4eX_slope vs run
χ² / ndf 1.384e−25 / 85
p0 1825 ± 0.6111
1830
1828
1826
1824
1822
1820
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 86
Mean −4.012e−14
Std Dev2.281e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

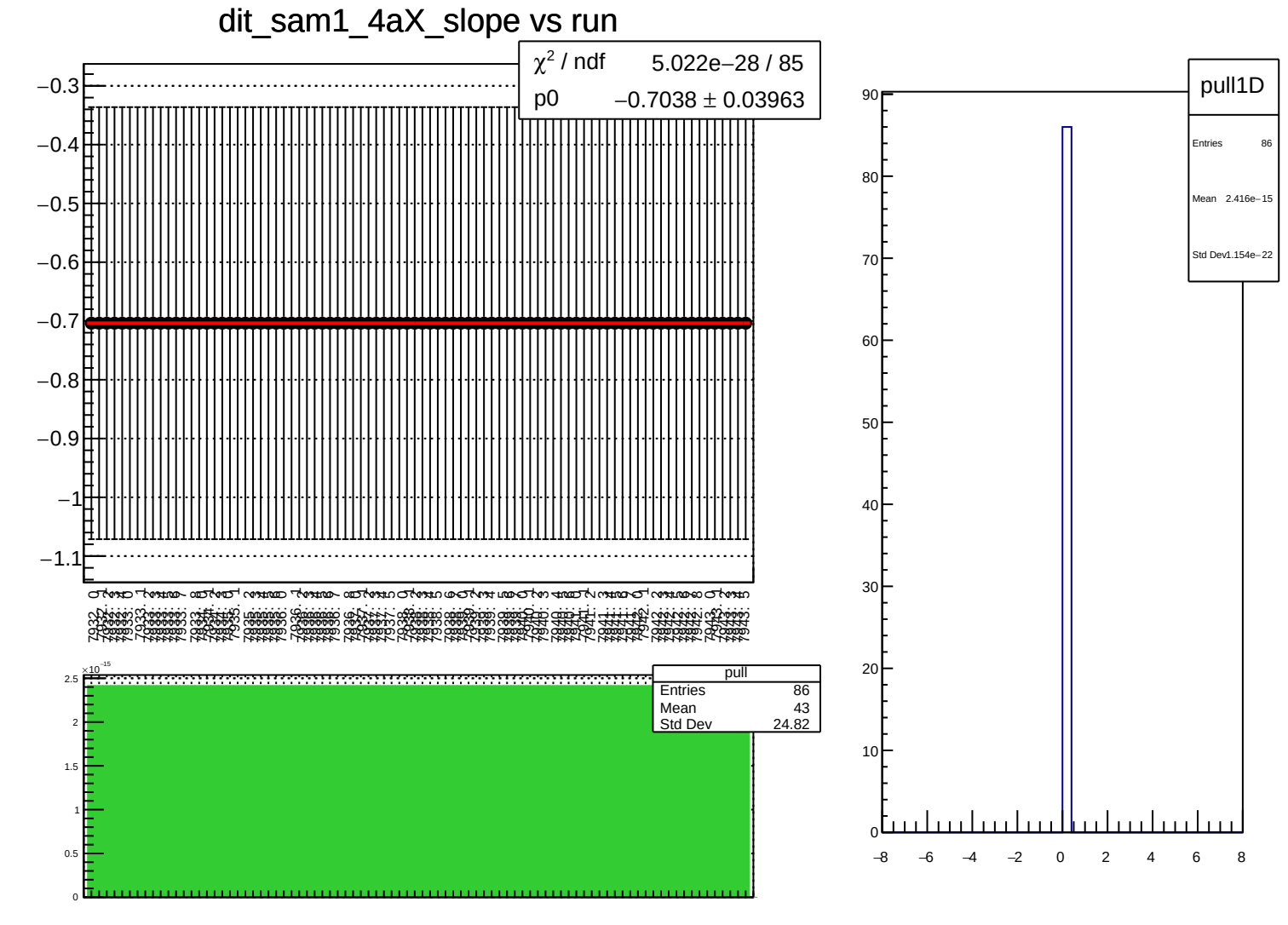

dit_atr2_11X12X_slope vs run
χ² / ndf 1.017e−22 / 85
p0 −297.8 ± 0.09584
−296.8
−297
−297.2
−297.4
−297.6
−297.8
−298
−298.2
−298.4
−298.6
−298.8
×10⁻¹²
1
0.8
0.6
0.4
0.2
0
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.087e−12
Std Dev 6.91e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

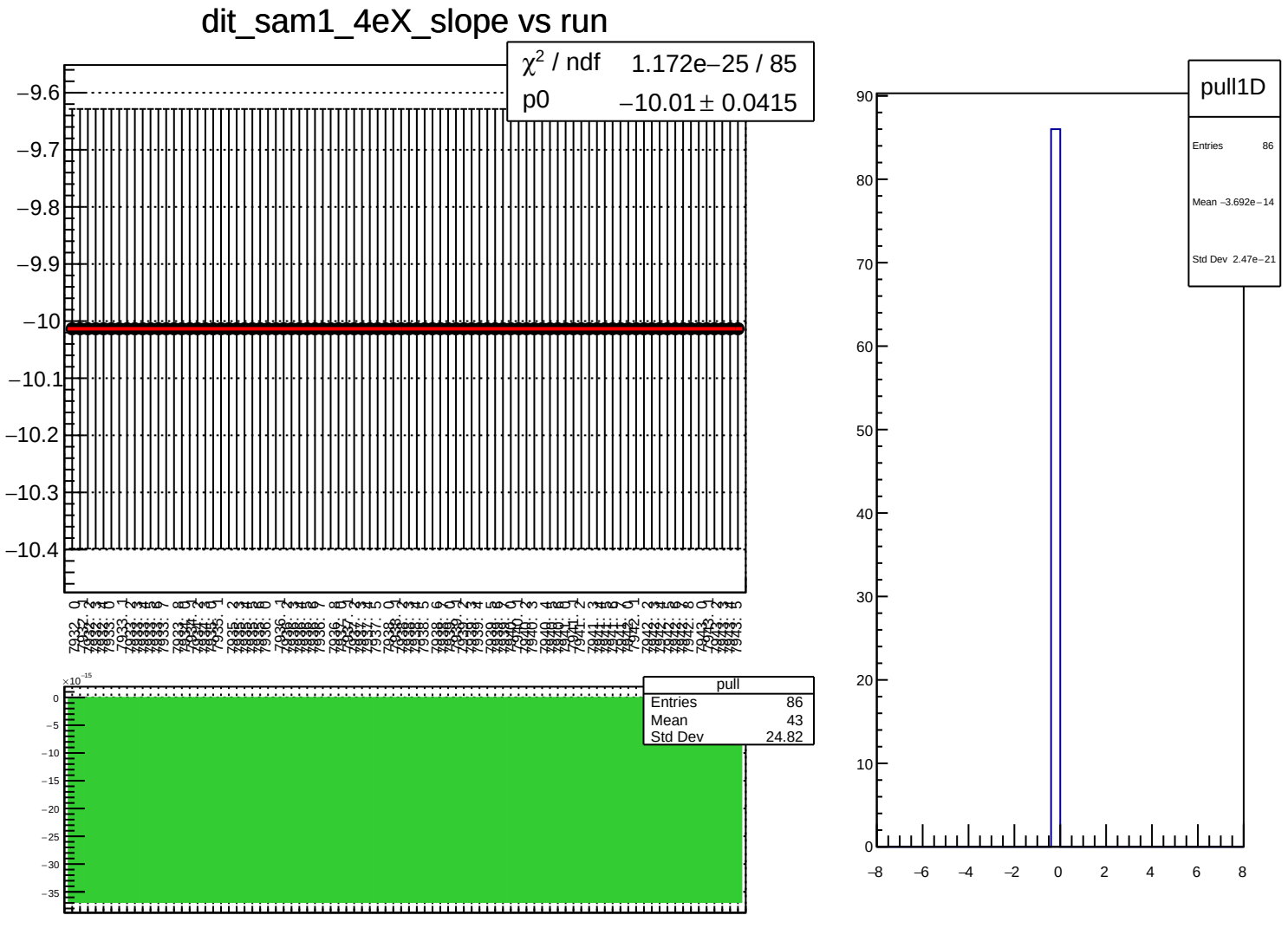

dit_atr2_4aY_slope vs run
χ² / ndf 4.123e−29 / 85
p0 2.388 ± 0.3458
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵

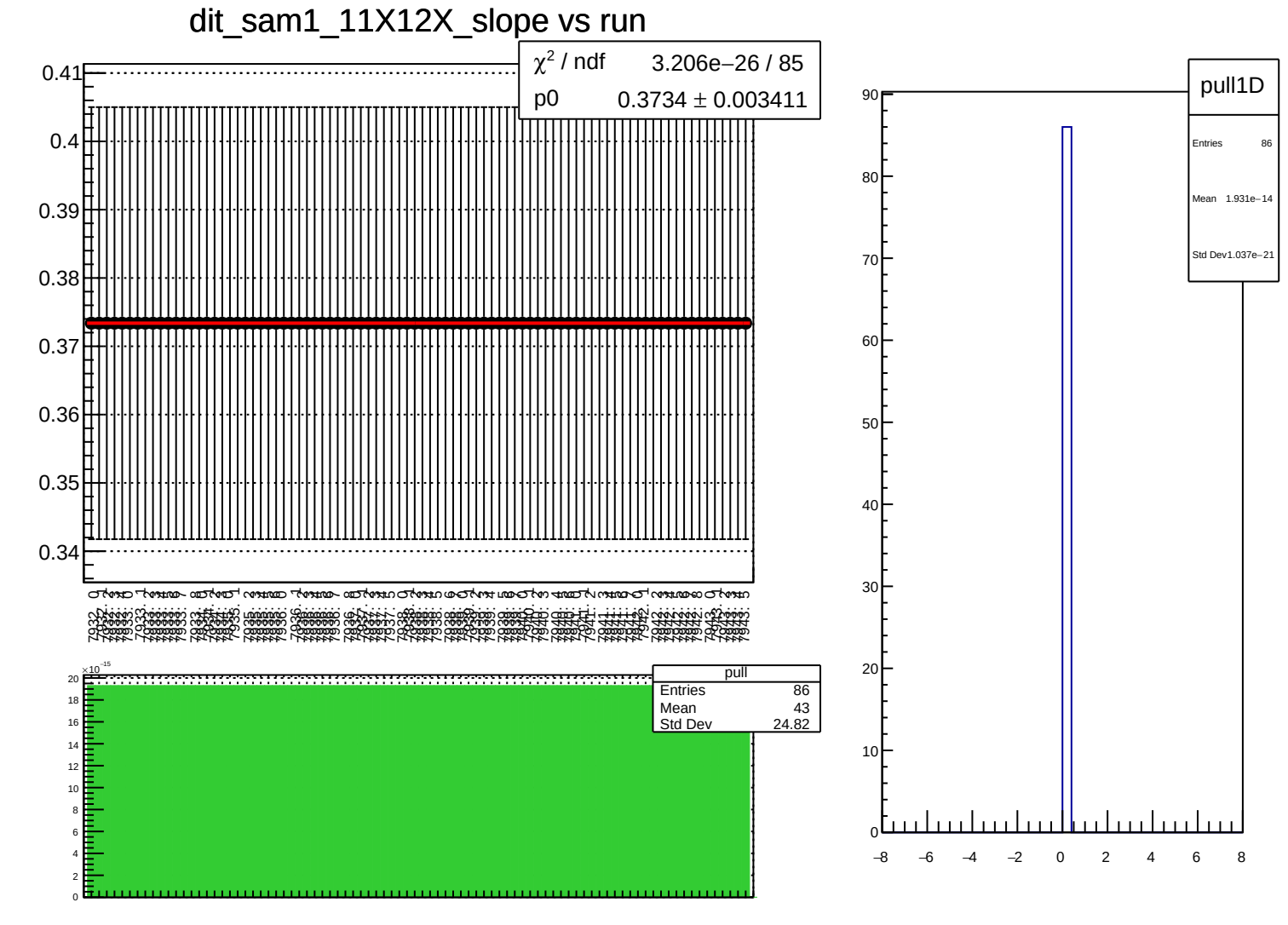

pull1D
Entries 86
Mean 6.924e−16
Std Dev4.488e−23

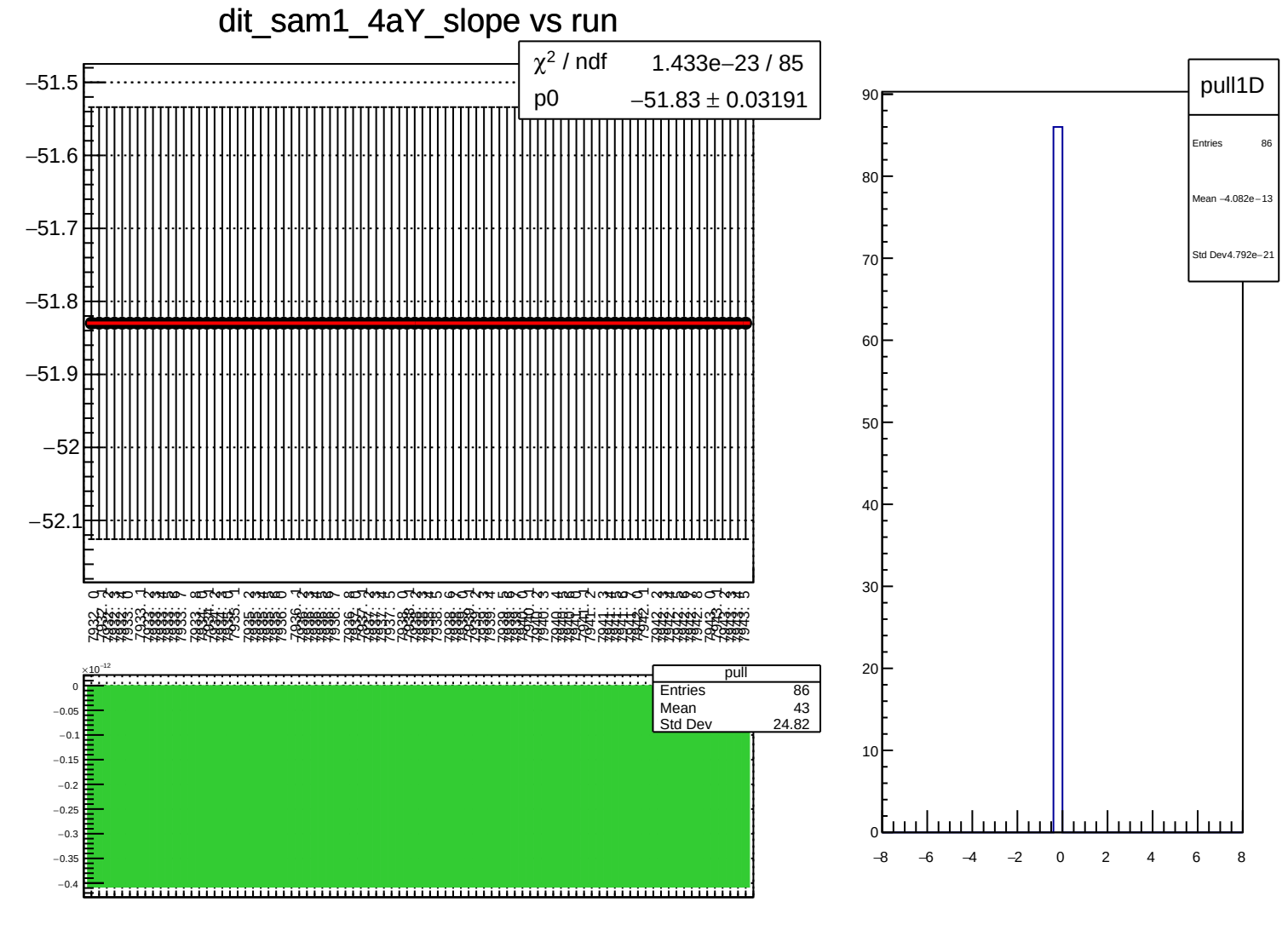

dit_atr2_4eY_slope vs run
χ² / ndf 1.354e−25 / 85
p0 136.7 ± 0.3089
pull
Entries 86
Mean 43
Std Dev 24.82

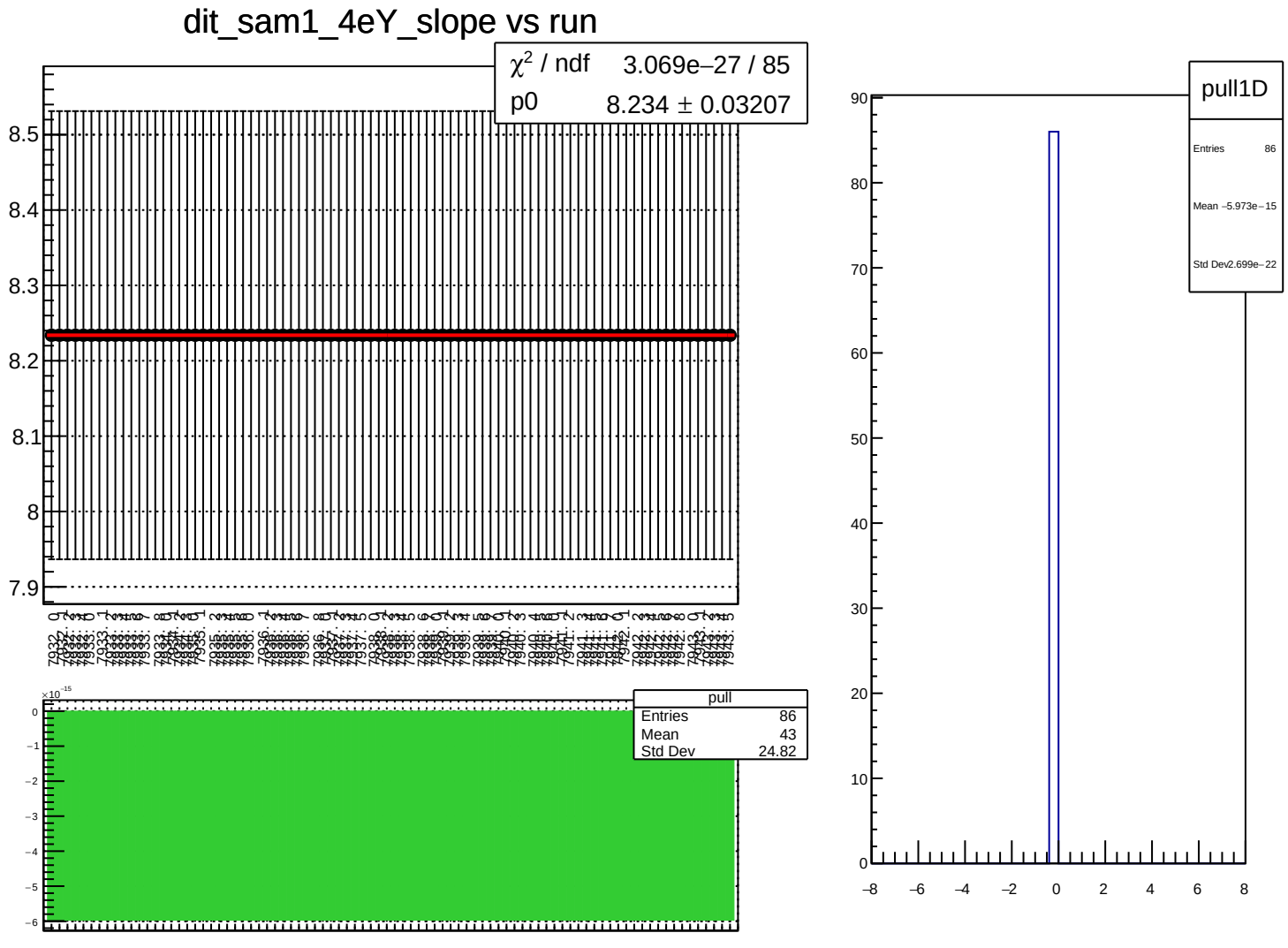

pull1D
Entries 86
Mean 3.969e−14
Std Dev 1.846e−21

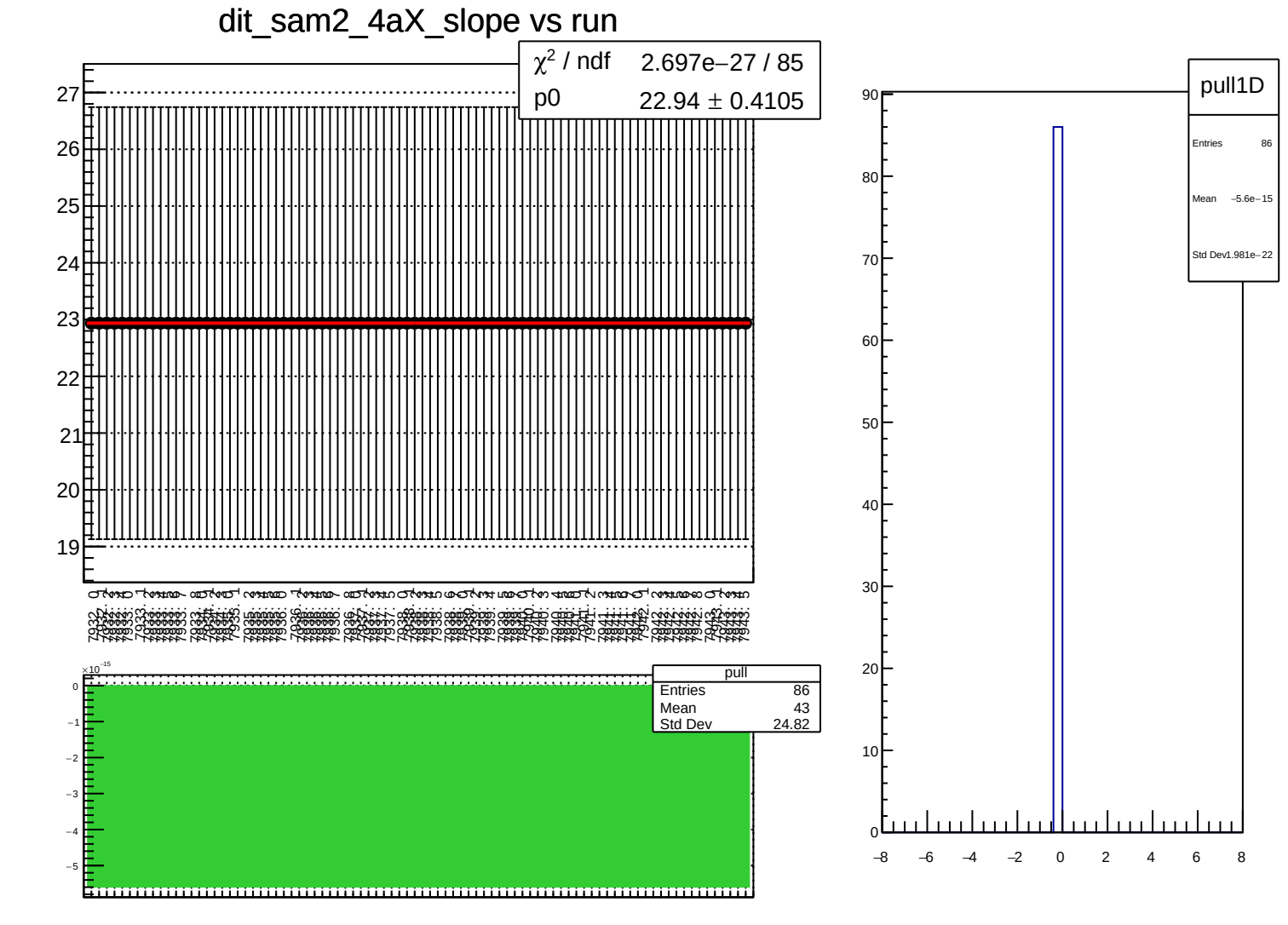

dit_sam1_4aX_slope vs run
χ^2 / ndf 5.022e−28 / 85
p0 −0.7038 ± 0.03963
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
−0.9
−1
−1.1
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
2.5
2
1.5
1
0.5
0
pull1D
Entries 86
Mean 2.416e−15
Std Dev1.154e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

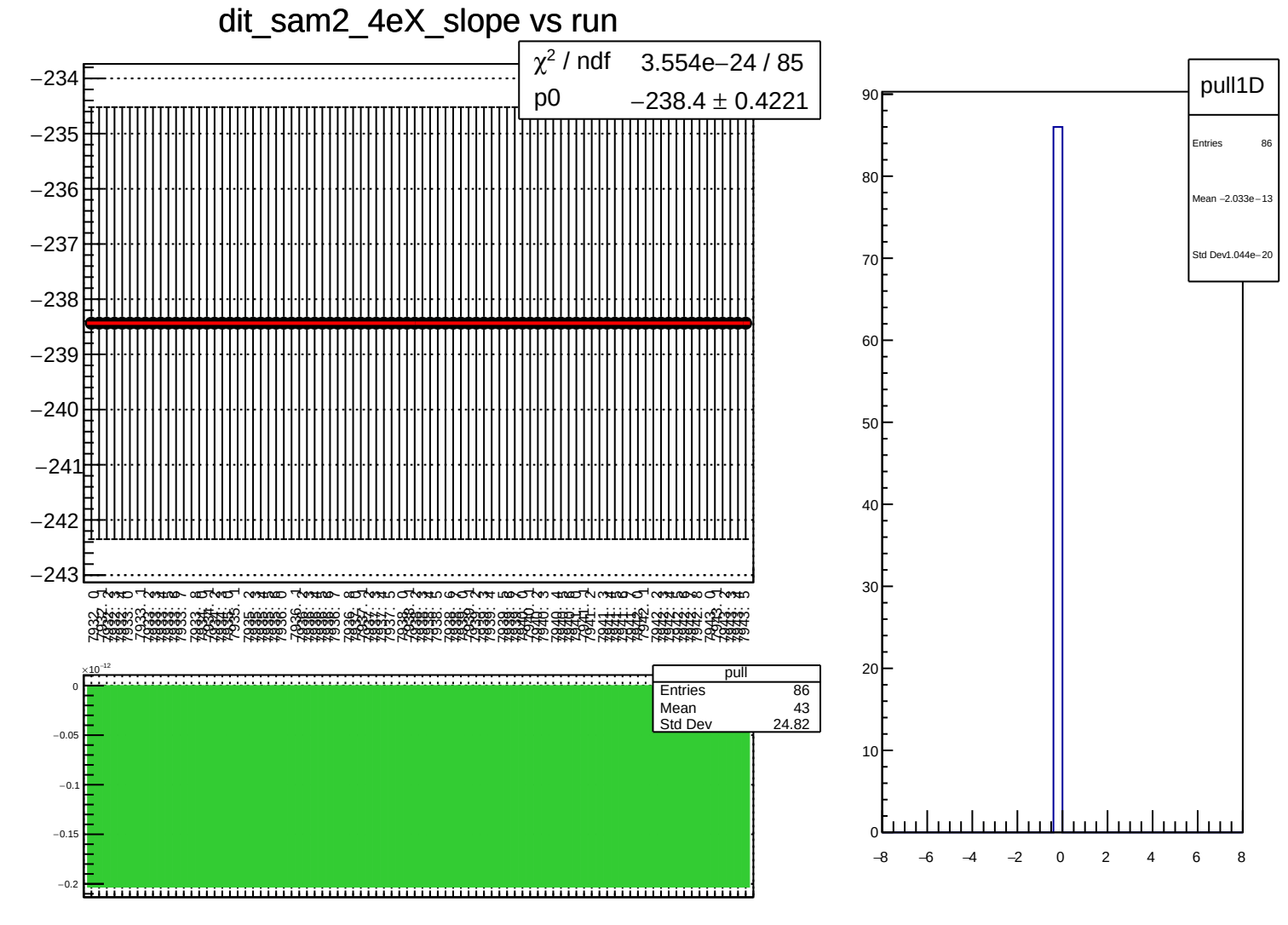

dit_sam1_4eX_slope vs run
χ² / ndf 1.172e−25 / 85
p0 −10.01 ± 0.0415
−9.6
−9.7
−9.8
−9.9
−10
−10.1
−10.2
−10.3
−10.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 86
Mean −3.692e−14
Std Dev 2.47e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

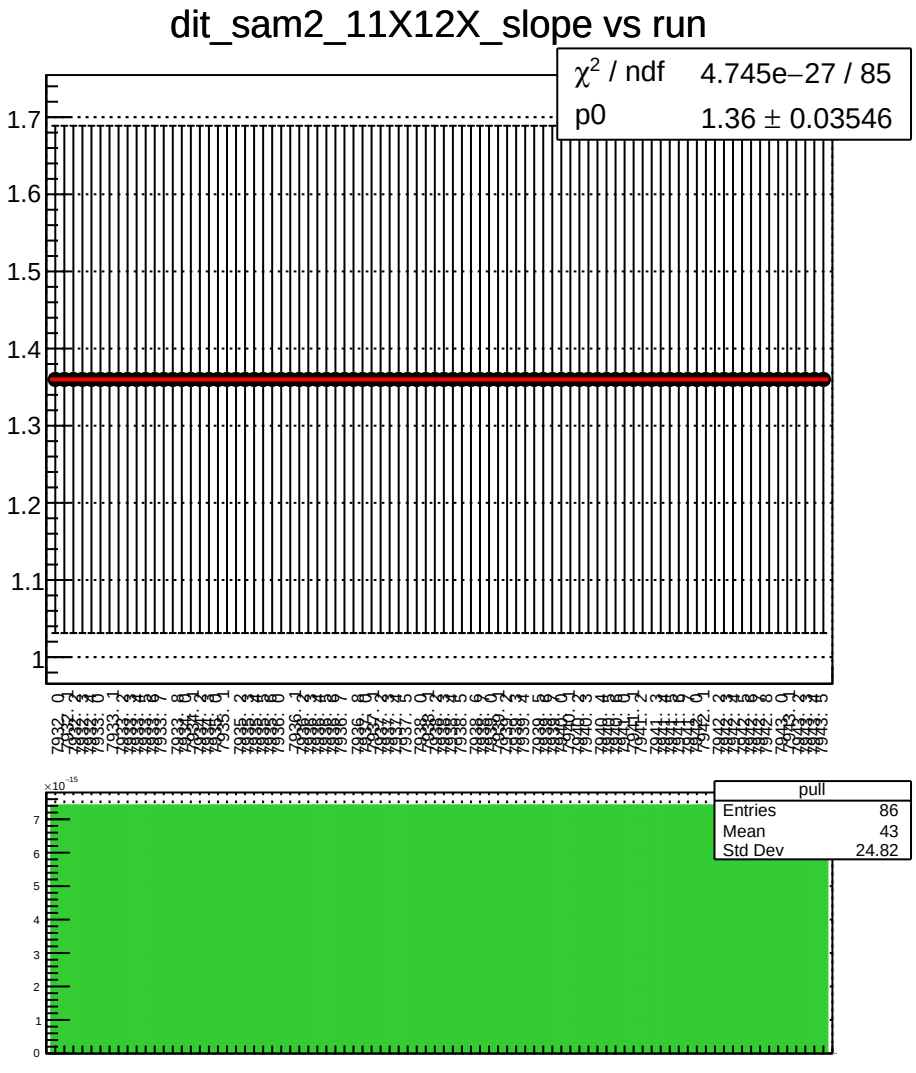

dit_sam1_11X12X_slope vs run
χ² / ndf 3.206e−26 / 85
p0 0.3734 ± 0.003411
0.41
0.4
0.39
0.38
0.37
0.36
0.35
0.34
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
20
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 86
Mean 1.931e−14
Std Dev1.037e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

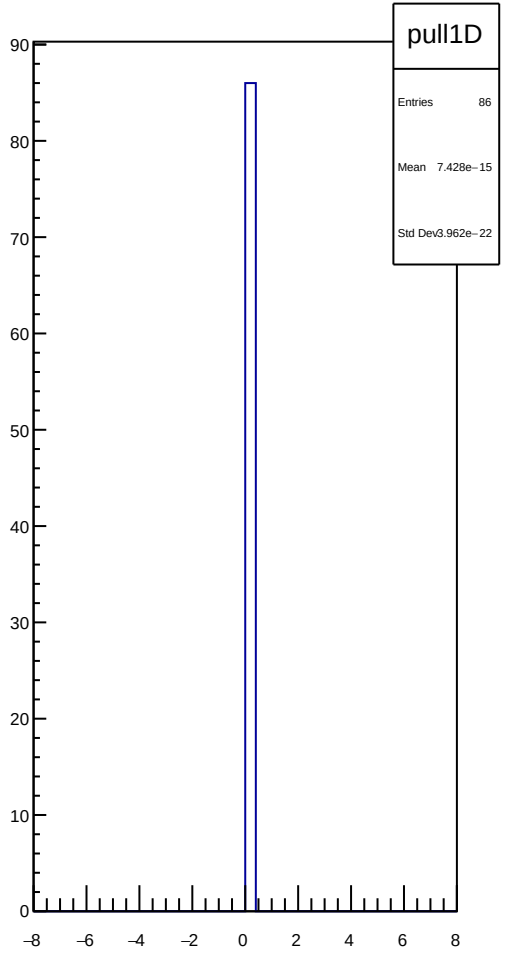

dit_sam1_4aY_slope vs run
χ² / ndf 1.433e−23 / 85
p0 −51.83 ± 0.03191
−51.5
−51.6
−51.7
−51.8
−51.9
−52
−52.1
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 86
Mean −4.082e−13
Std Dev 4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

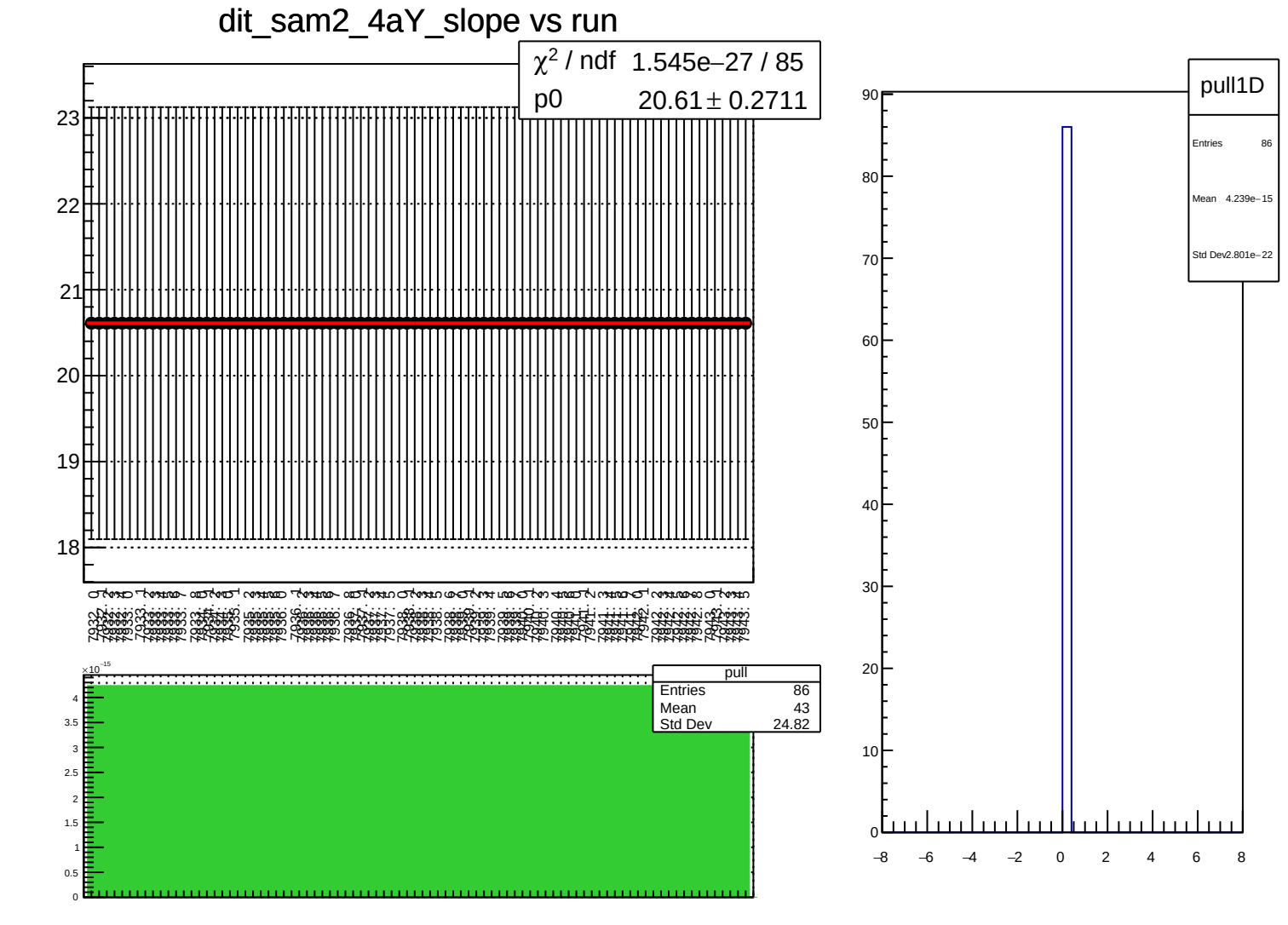

dit_sam1_4eY_slope vs run
χ² / ndf 3.069e−27 / 85
p0 8.234 ± 0.03207
8.5
8.4
8.3
8.2
8.1
8
7.9
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 86
Mean −5.973e−15
Std Dev 2.699e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

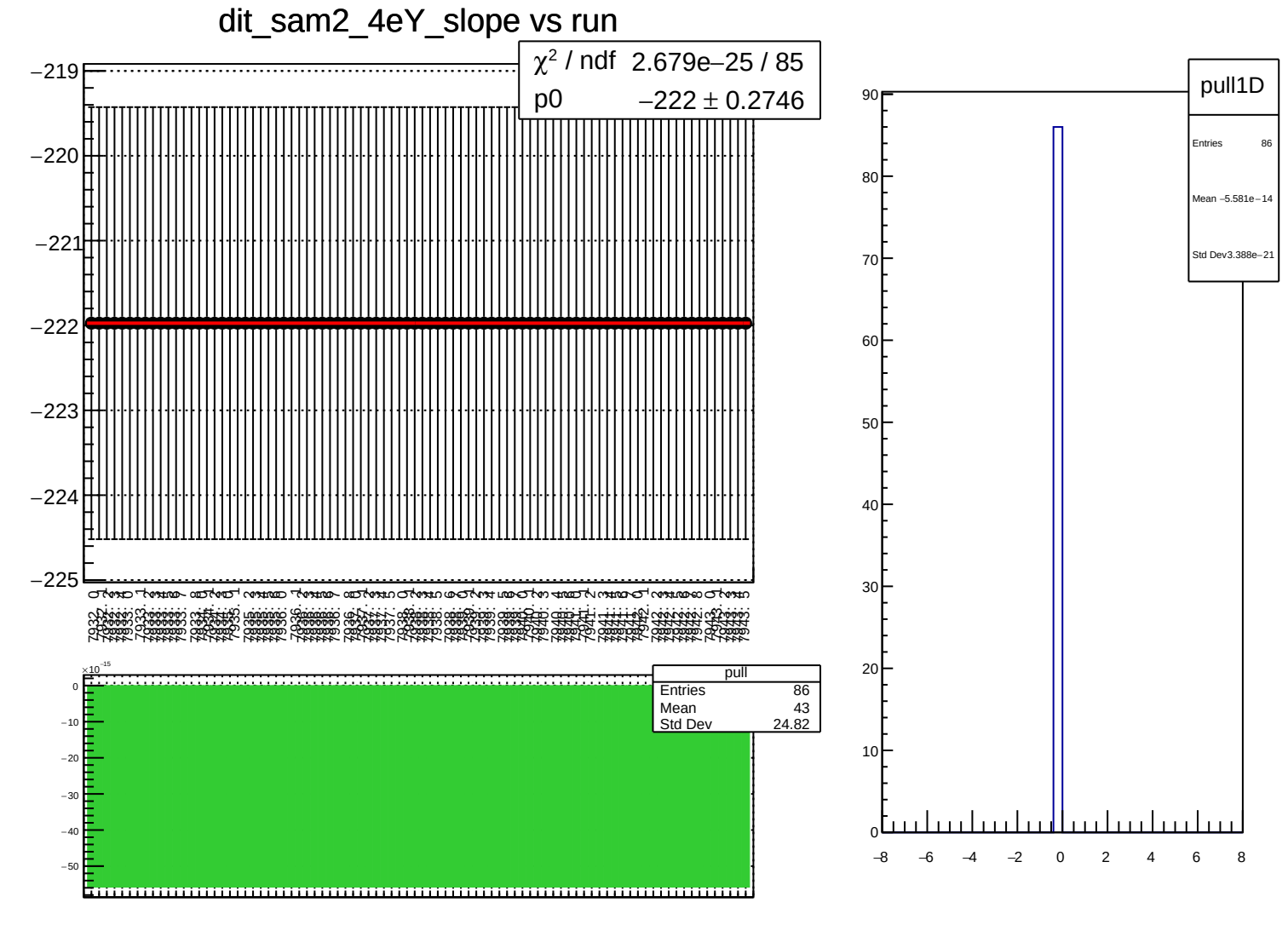

dit_sam2_4aX_slope vs run
χ² / ndf 2.697e−27 / 85
p0 22.94 ± 0.4105
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −5.6e−15
Std Dev 1.981e−22

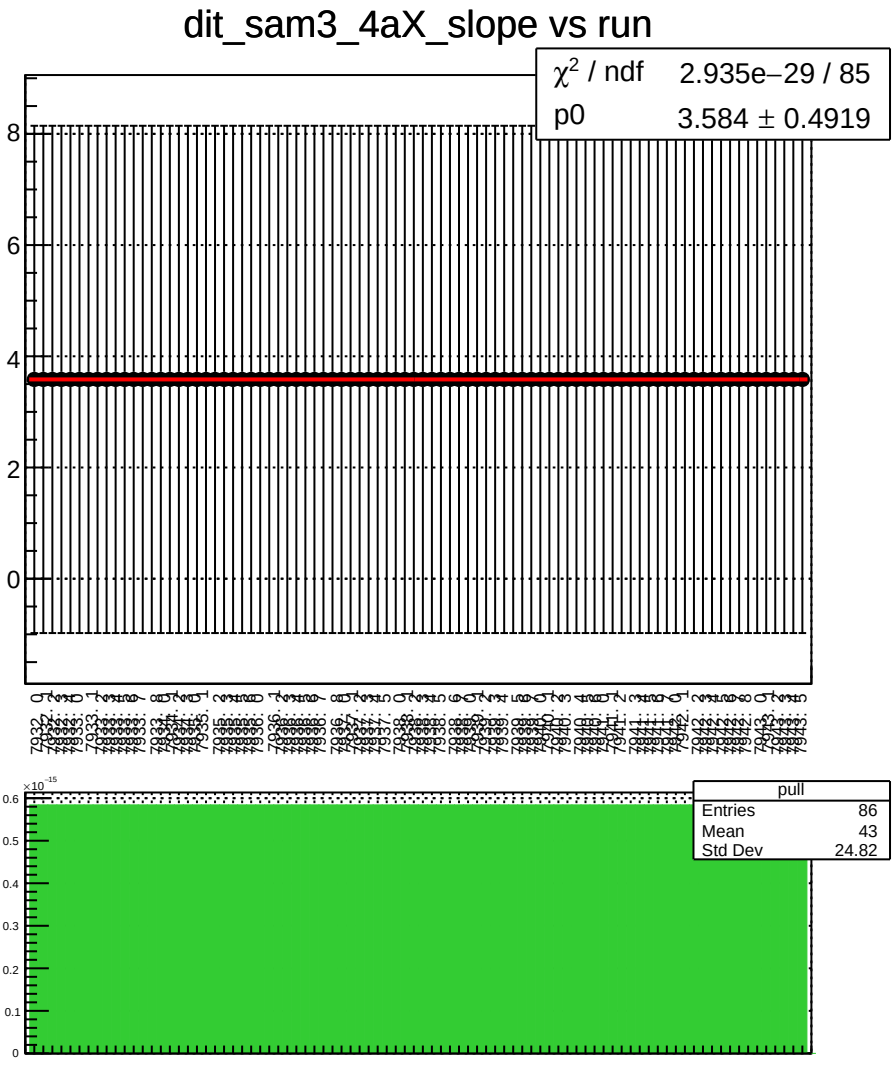

dit_sam2_4eX_slope vs run
χ² / ndf 3.554e−24 / 85
p0 −238.4 ± 0.4221
−234
−235
−236
−237
−238
−239
−240
−241
−242
−243
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 86
Mean −2.033e−13
Std Dev1.044e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

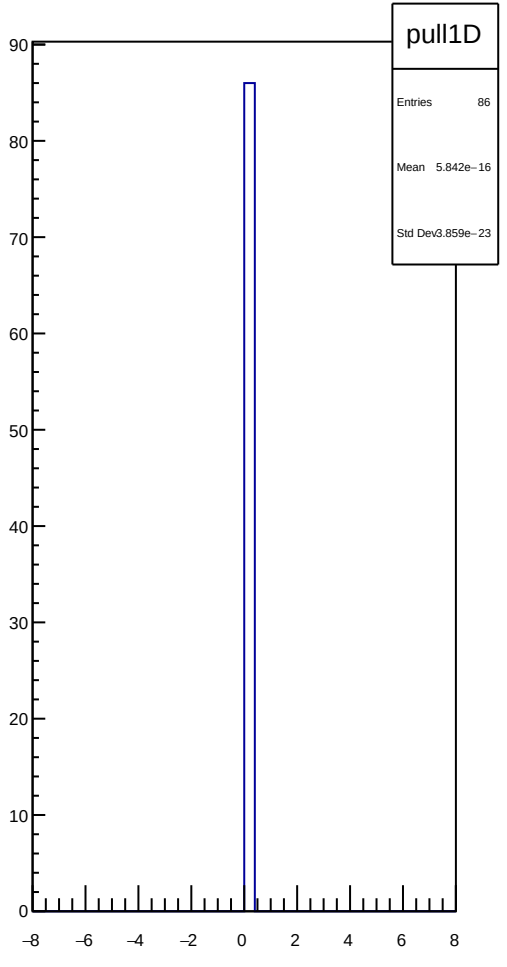

dit_sam2_11X12X_slope vs run
χ² / ndf 4.745e−27 / 85
p0 1.36 ± 0.03546
pull
Entries 86
Mean 43
Std Dev 24.82

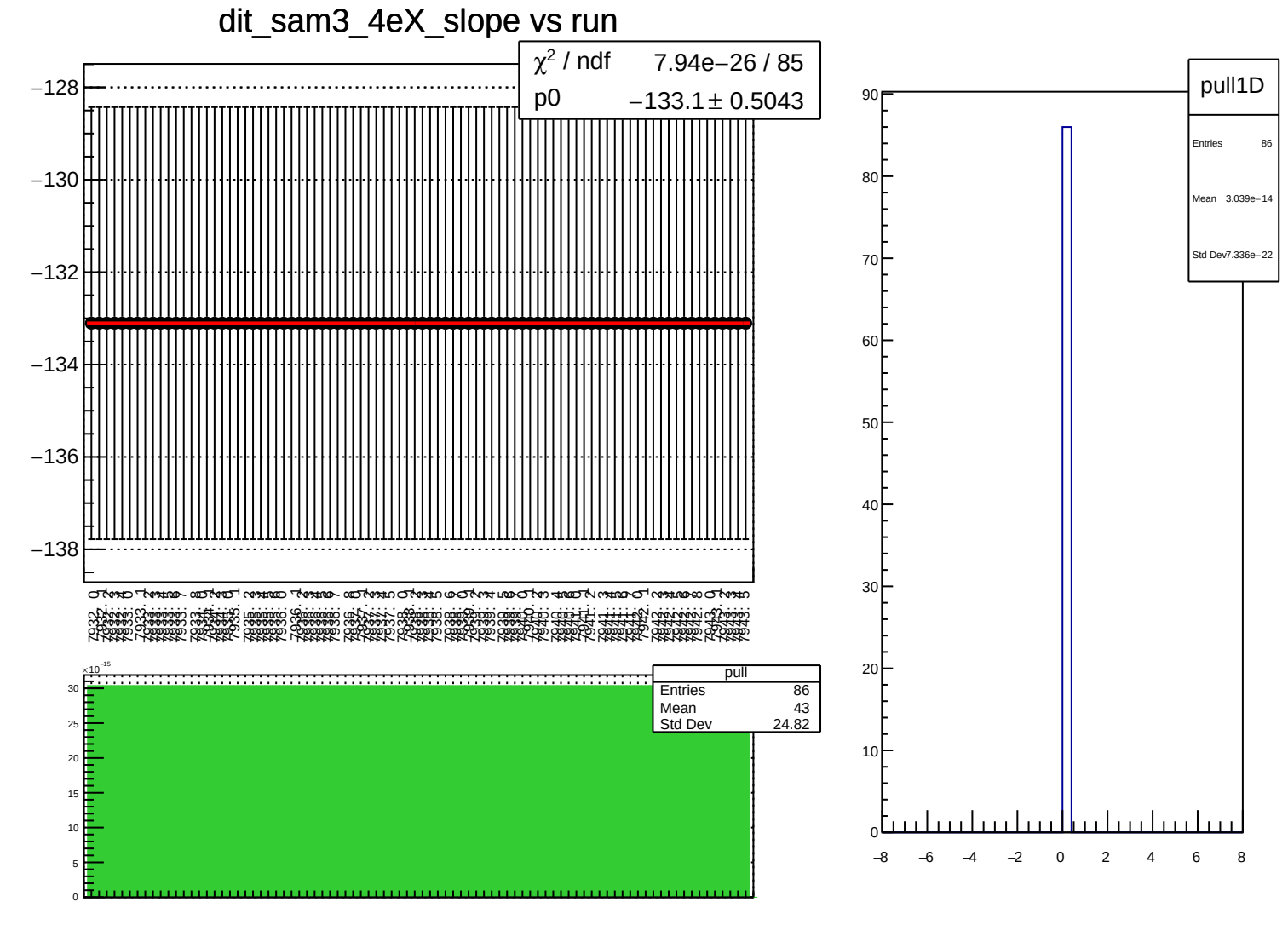

pull1D
Entries 86
Mean 7.428e−15
Std Dev 3.962e−22

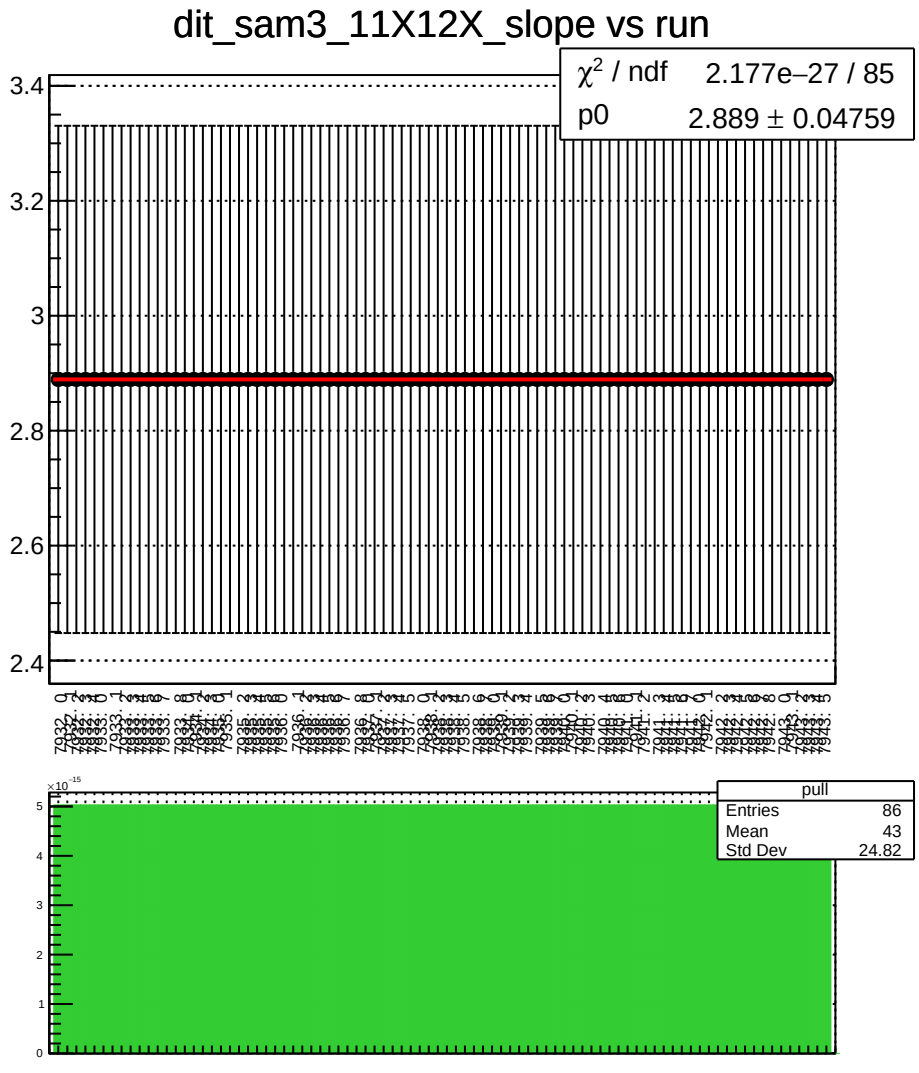

dit_sam2_4aY_slope vs run
χ² / ndf 1.545e−27 / 85
p0 20.61 ± 0.2711
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 4.239e−15
Std Dev 2.801e−22

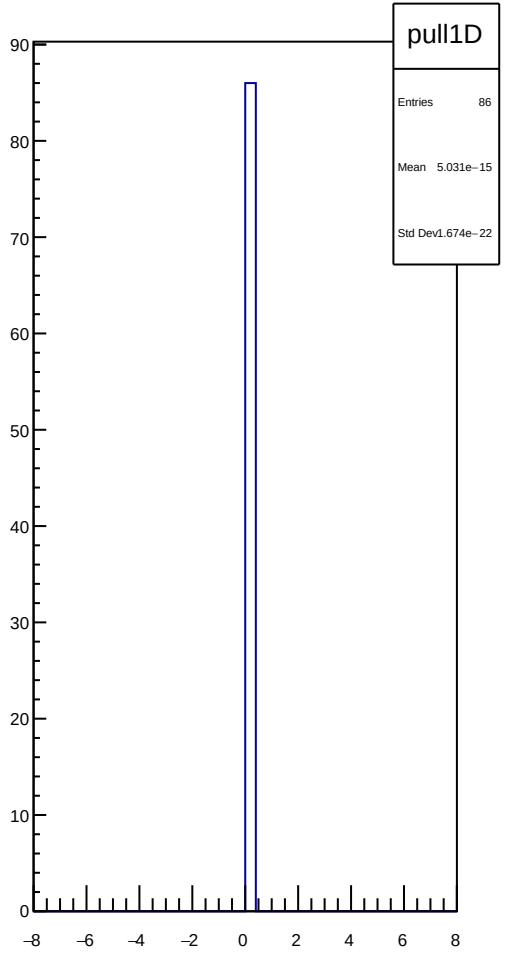

dit_sam2_4eY_slope vs run
χ² / ndf 2.679e−25 / 85
p0 −222 ± 0.2746
−219
−220
−221
−222
−223
−224
−225
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 86
Mean −5.581e−14
Std Dev3.388e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

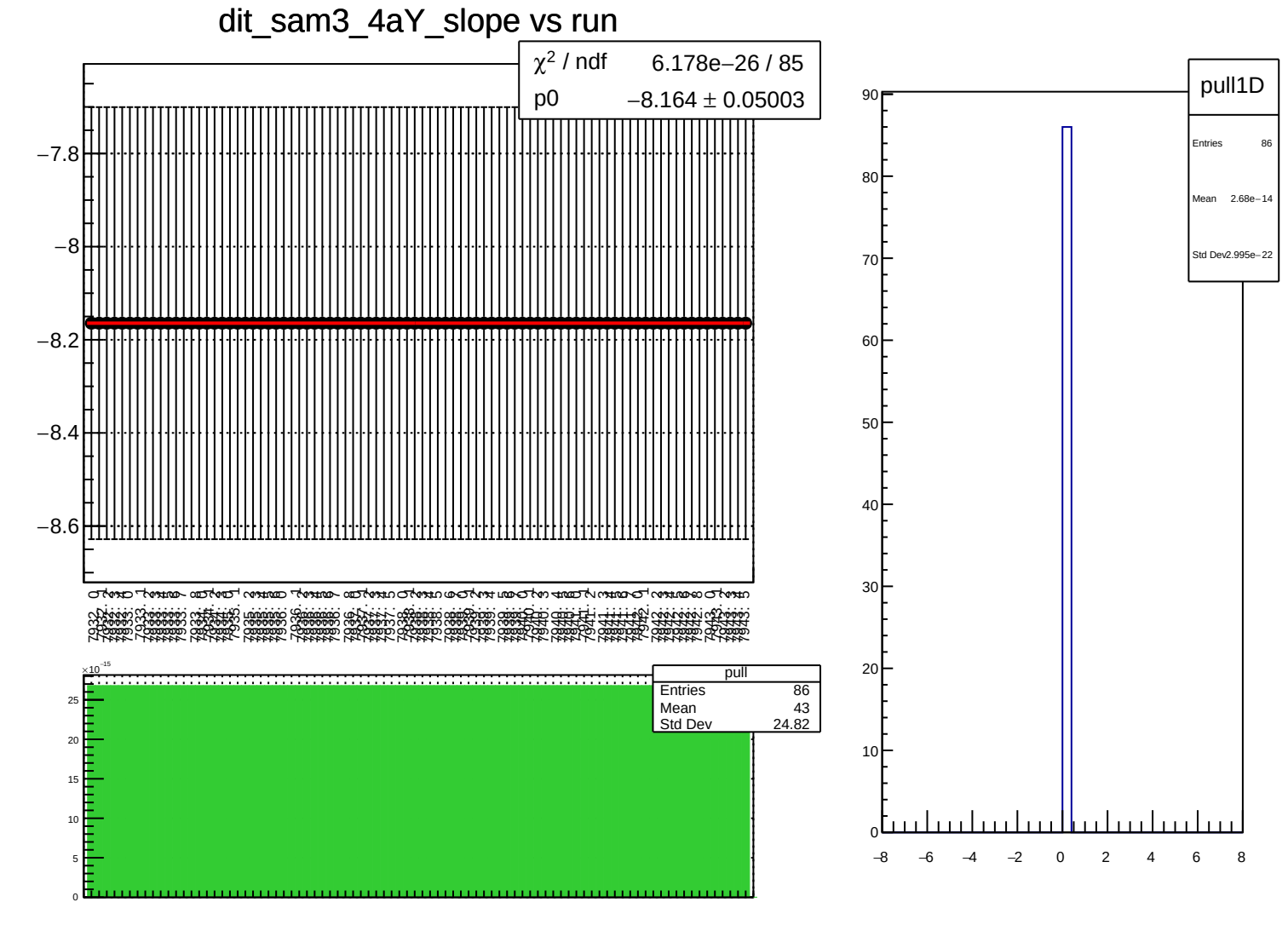

dit_sam3_4aX_slope vs run
χ² / ndf 2.935e−29 / 85
p0 3.584 ± 0.4919
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵

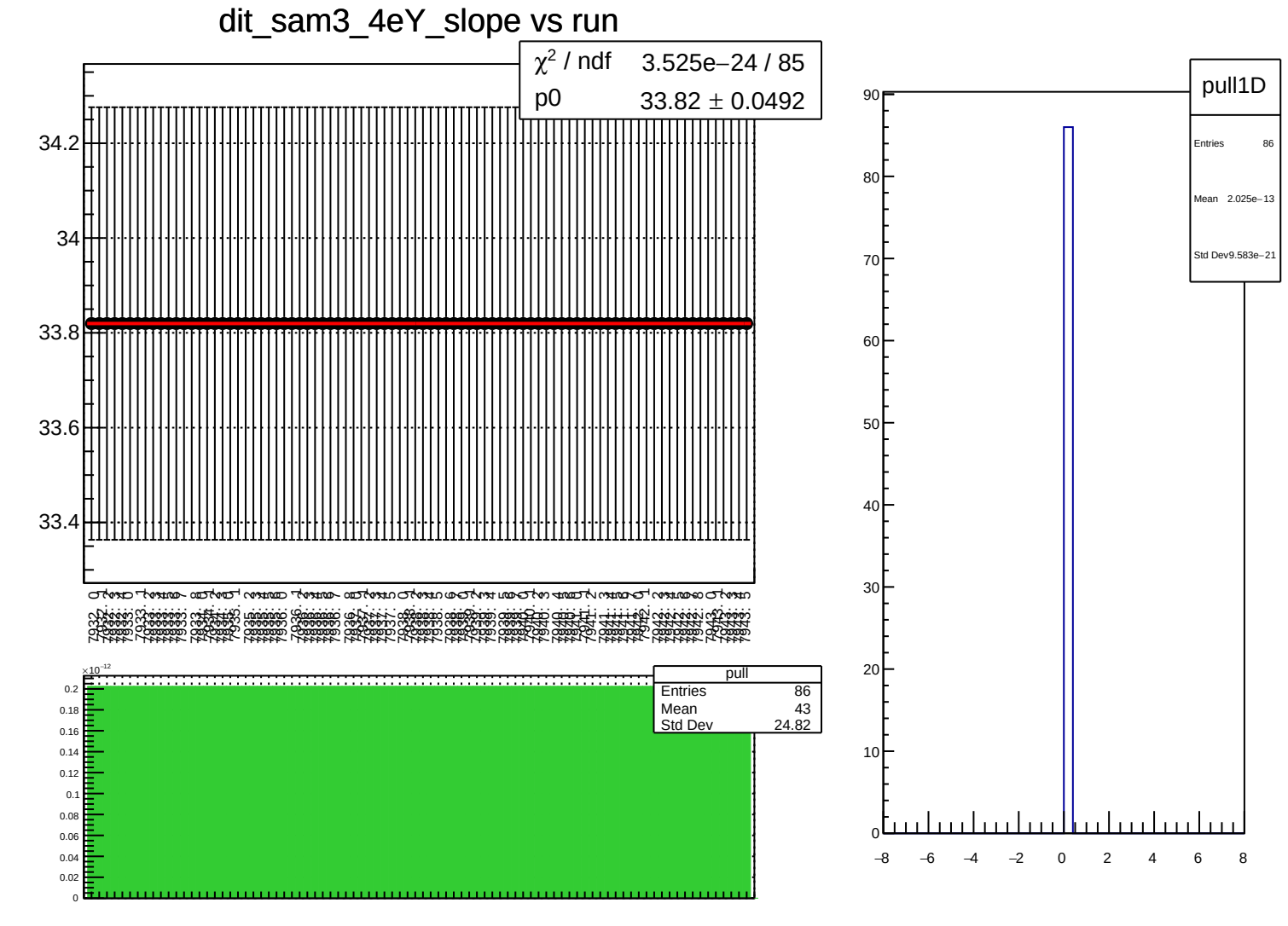

pull1D
Entries 86
Mean 5.842e−16
Std Dev 3.859e−23

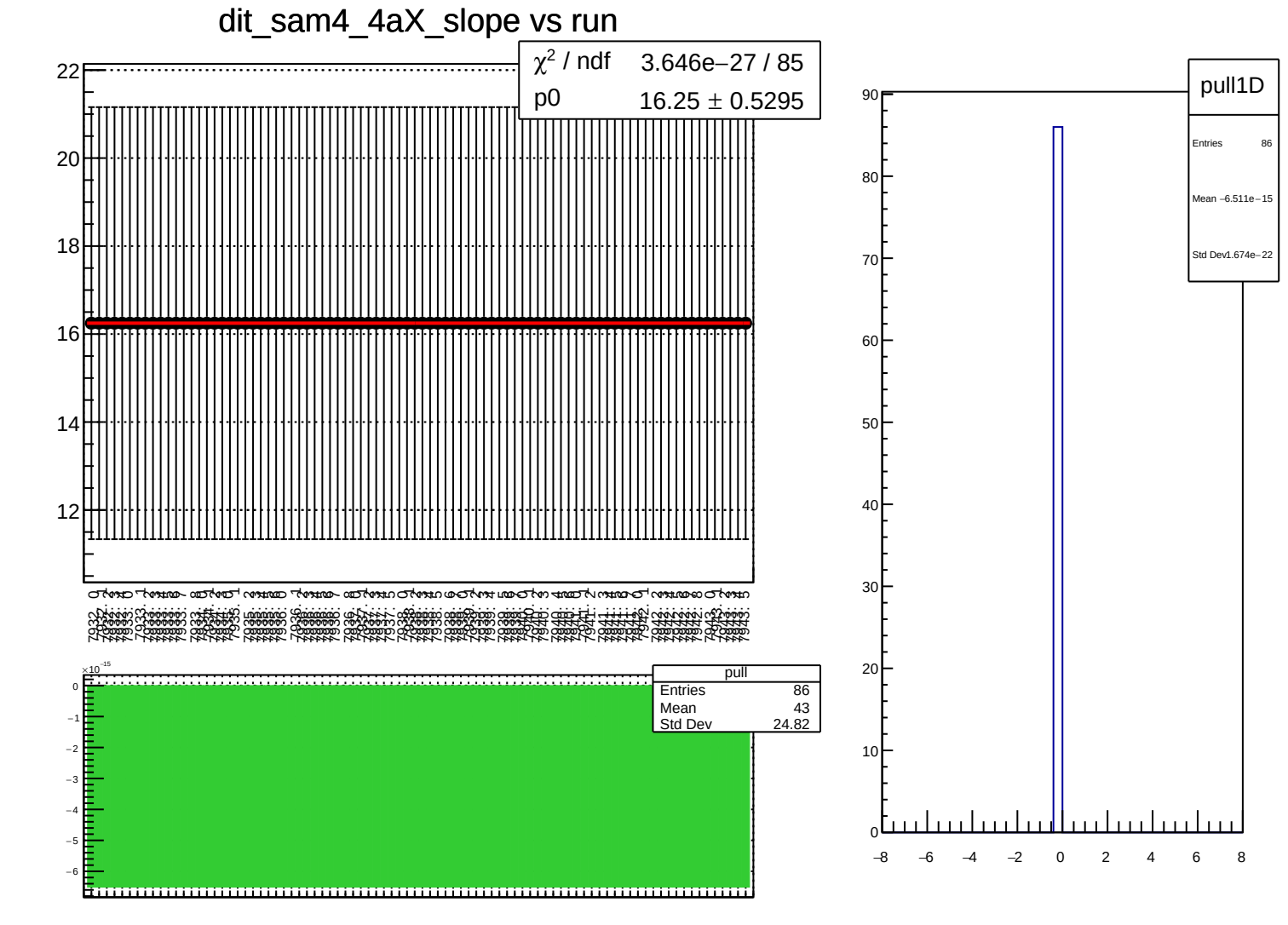

dit_sam3_4eX_slope vs run
χ² / ndf 7.94e−26 / 85
p0 −133.1 ± 0.5043
−128
−130
−132
−134
−136
−138
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
30
25
20
15
10
5
0
pull1D
Entries 86
Mean 3.039e−14
Std Dev 7.336e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

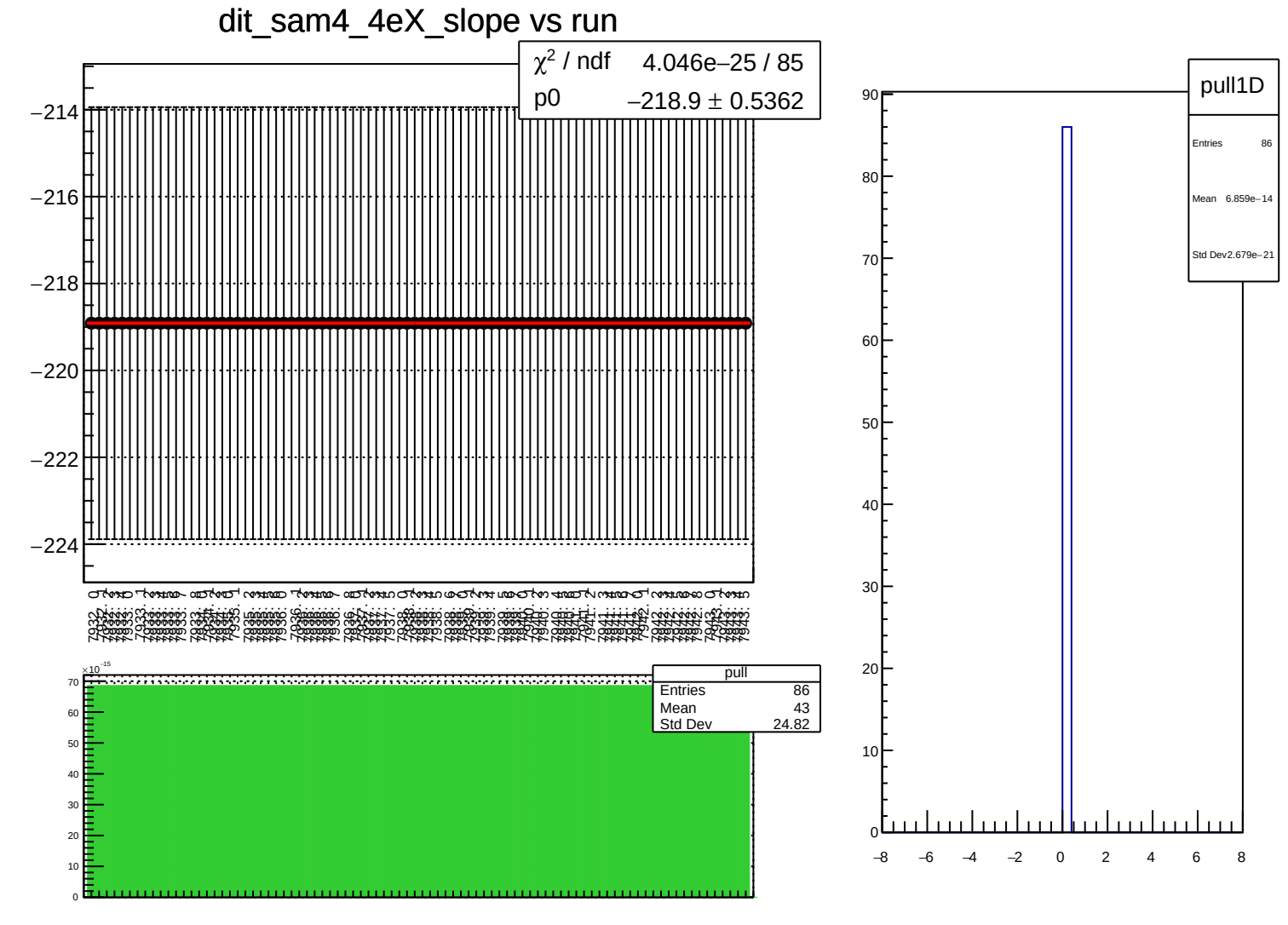

dit_sam3_11X12X_slope vs run
χ² / ndf 2.177e−27 / 85
p0 2.889 ± 0.04759
3.4
3.2
3
2.8
2.6
2.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
5
4
3
2
1
0

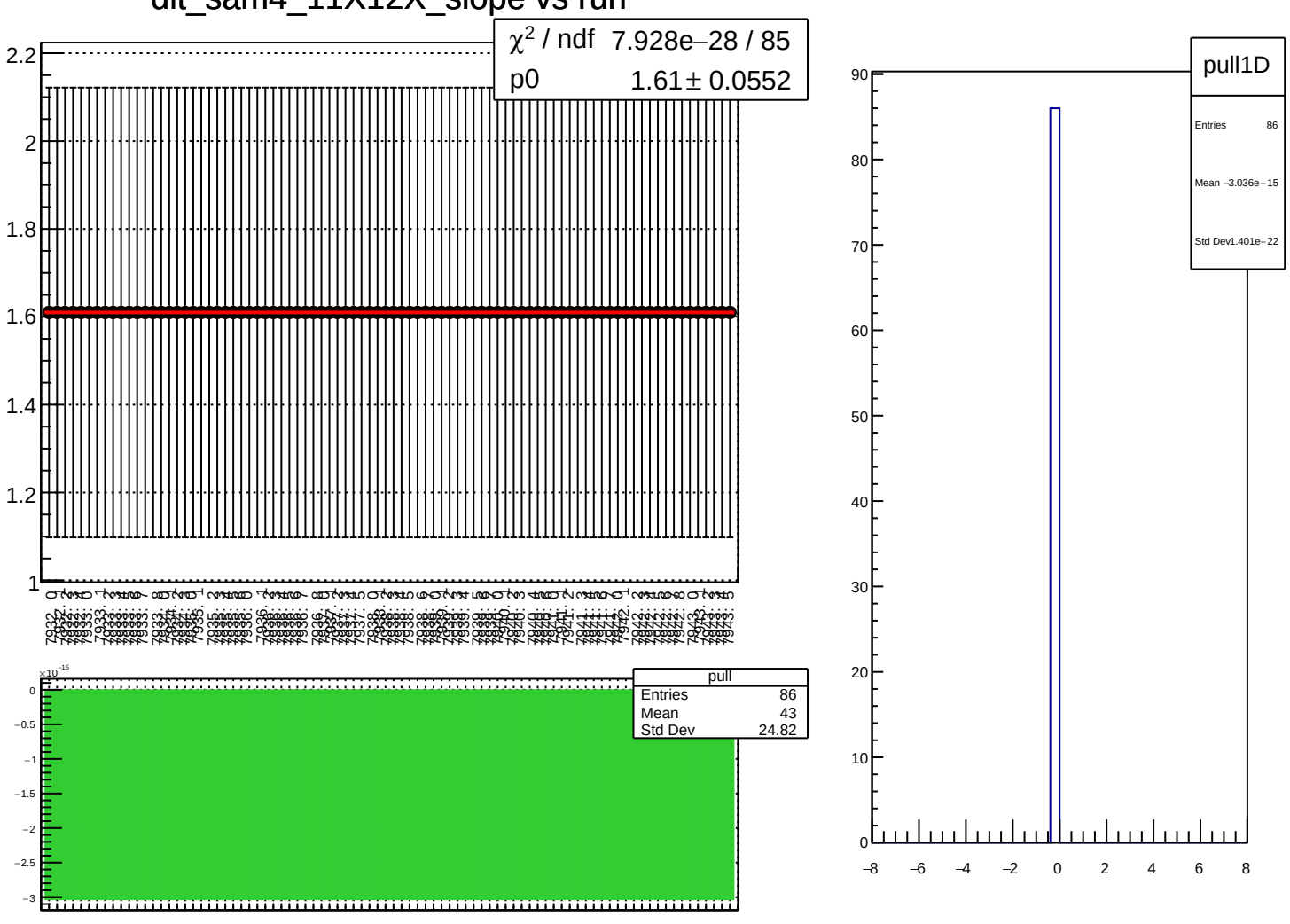

pull1D
Entries 86
Mean 5.031e−15
Std Dev1.674e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

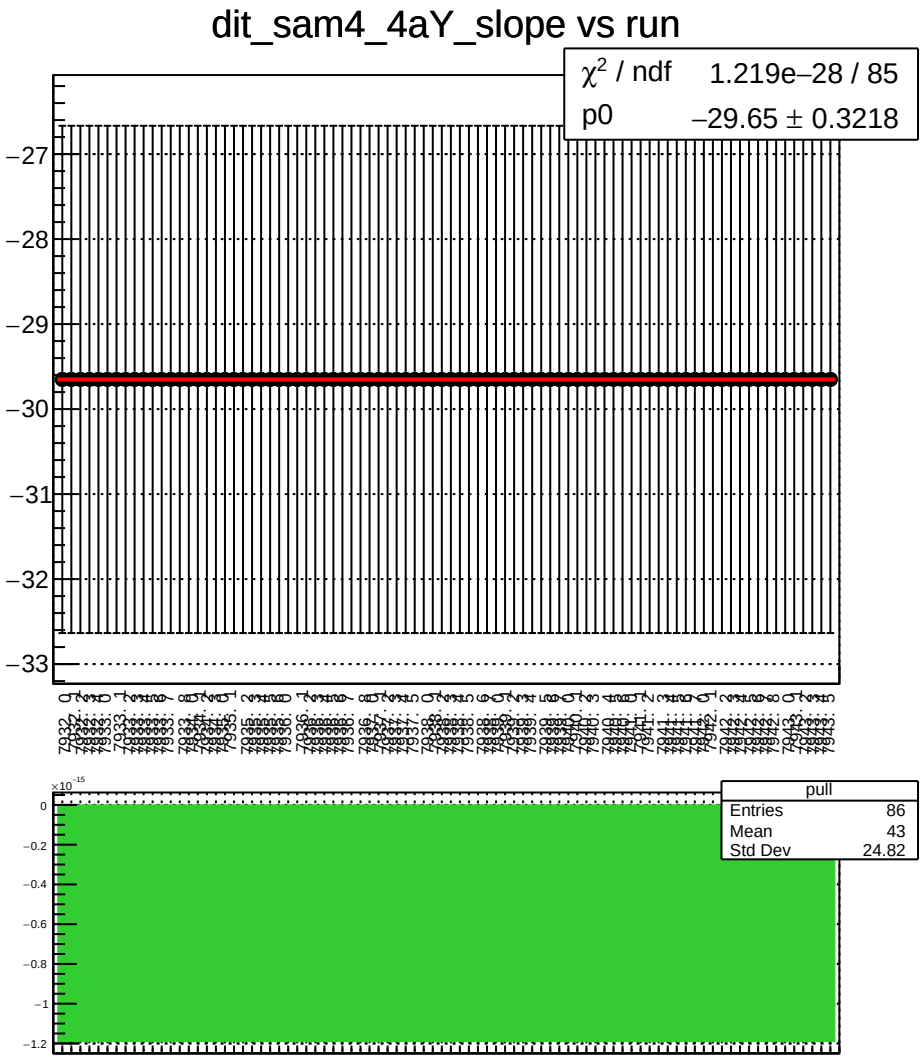

dit_sam3_4aY_slope vs run
χ² / ndf 6.178e−26 / 85
p0 −8.164 ± 0.05003
−7.8
−8
−8.2
−8.4
−8.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 86
Mean 2.68e−14
Std Dev 2.995e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

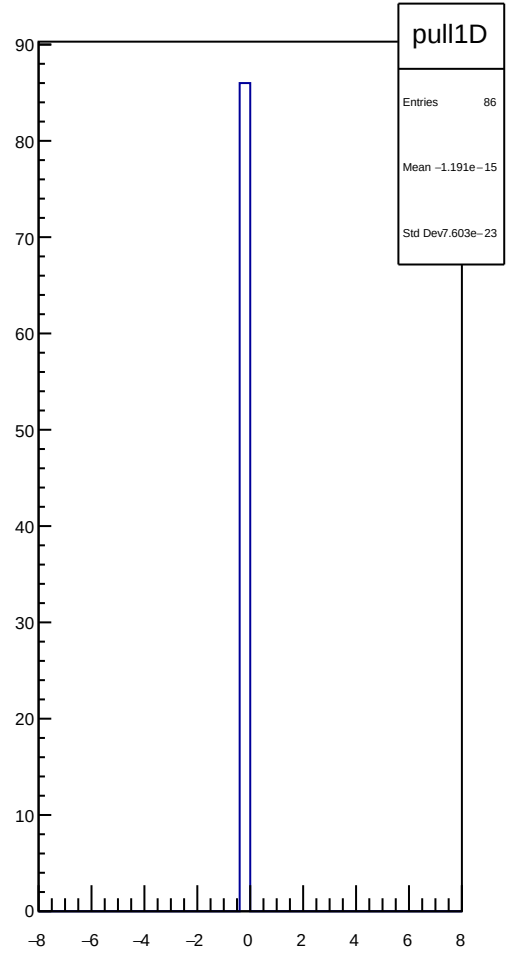

dit_sam3_4eY_slope vs run
χ² / ndf 3.525e−24 / 85
p0 33.82 ± 0.0492
34.2
34
33.8
33.6
33.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 2.025e−13
Std Dev9.583e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

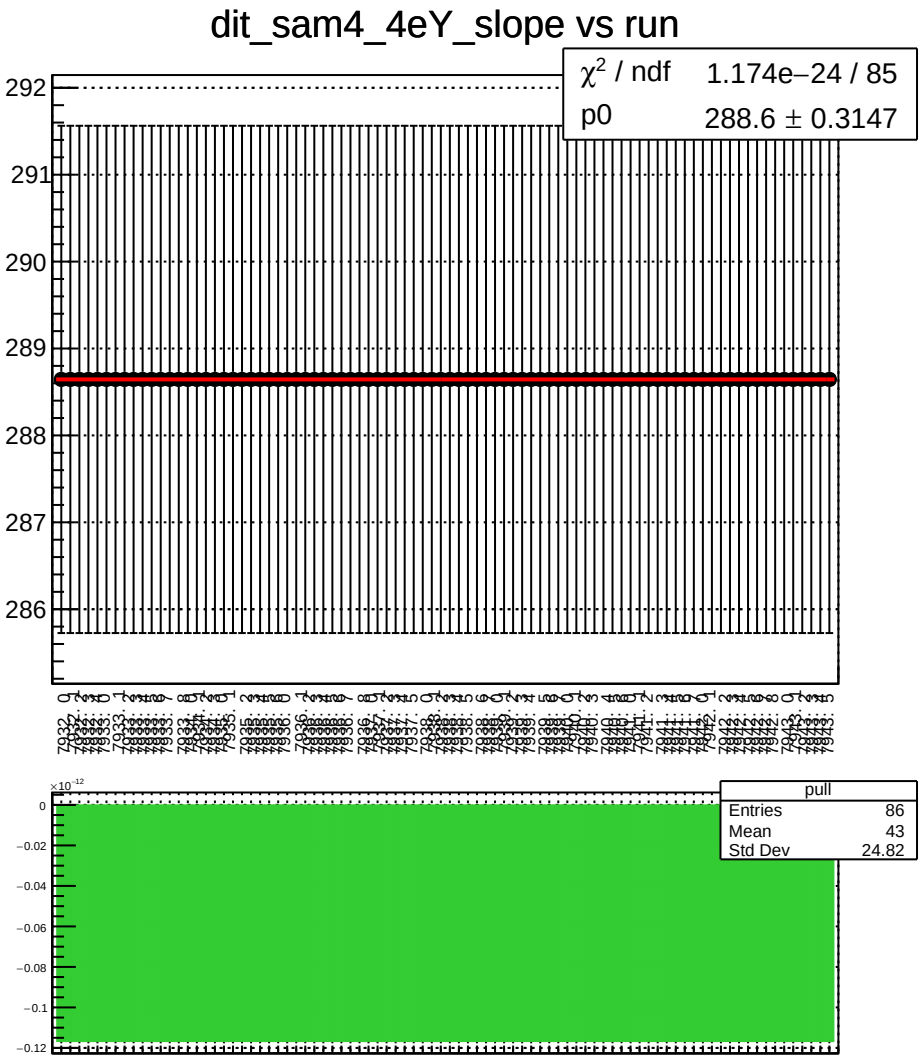

dit_sam4_4aX_slope vs run
χ² / ndf 3.646e−27 / 85
p0 16.25 ± 0.5295
22
20
18
16
14
12
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 86
Mean −6.511e−15
Std Dev1.674e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

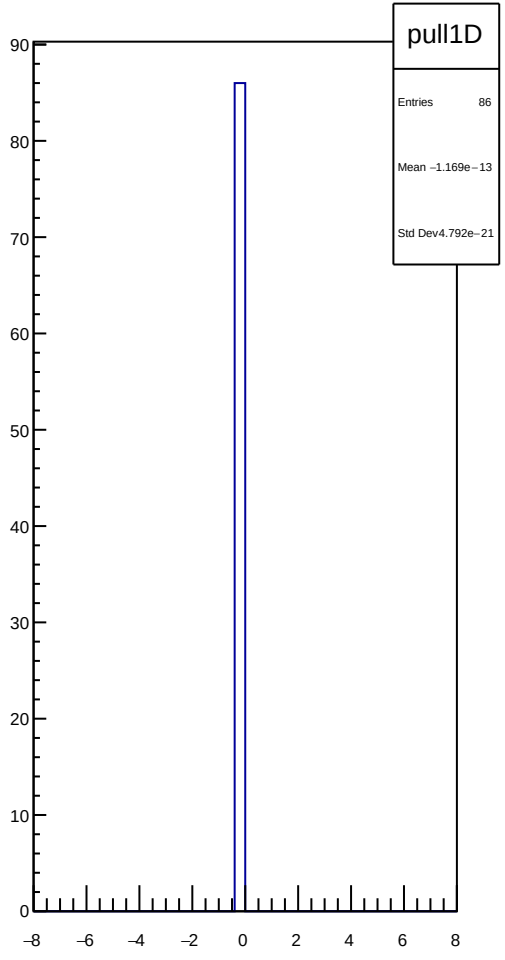

dit_sam4_4eX_slope vs run
χ² / ndf 4.046e−25 / 85
p0 −218.9 ± 0.5362
−214
−216
−218
−220
−222
−224
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 6.859e−14
Std Dev2.679e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

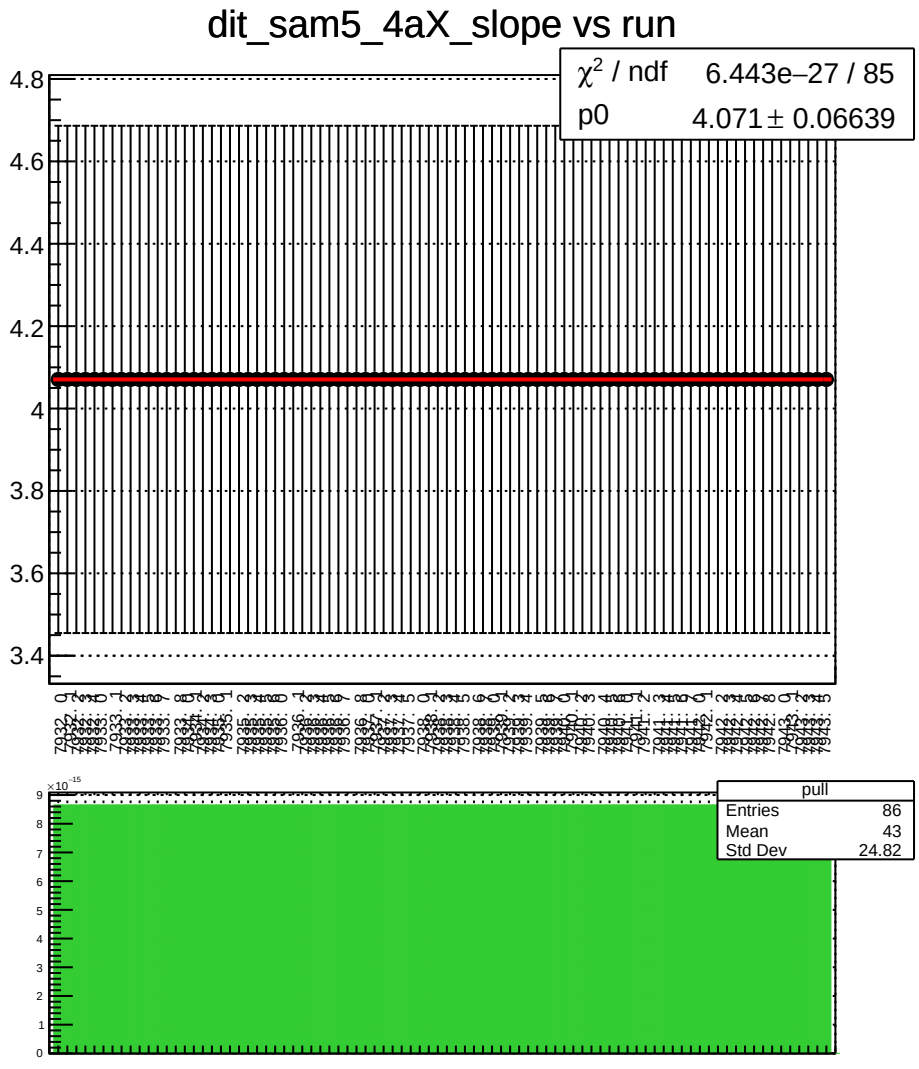

dit_sam4_11X12X_slope vs run
χ² / ndf 7.928e−28 / 85
p0 1.61 ± 0.0552
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −3.036e−15
Std Dev1.401e−22

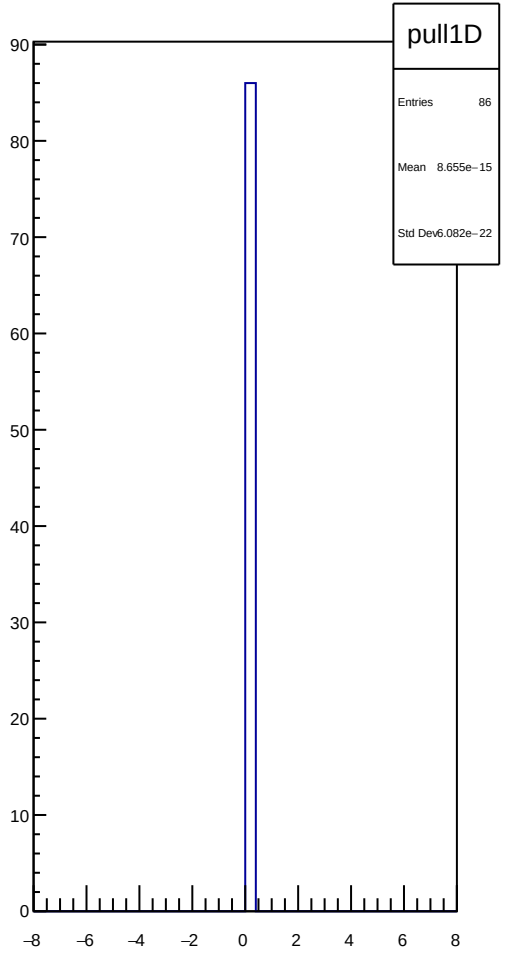

dit_sam4_4aY_slope vs run
χ² / ndf 1.219e−28 / 85
p0 −29.65 ± 0.3218
pull
Entries 86
Mean 43
Std Dev 24.82

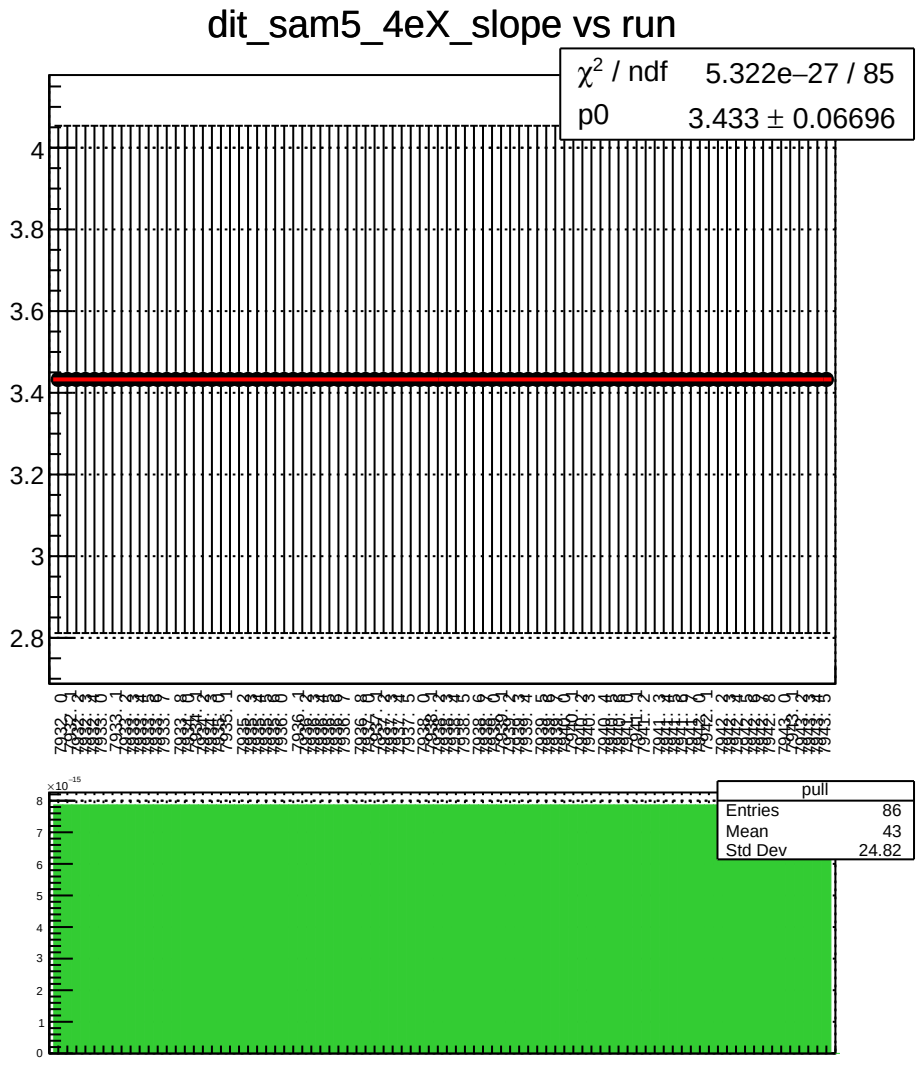

pull1D
Entries 86
Mean −1.191e−15
Std Dev7.603e−23

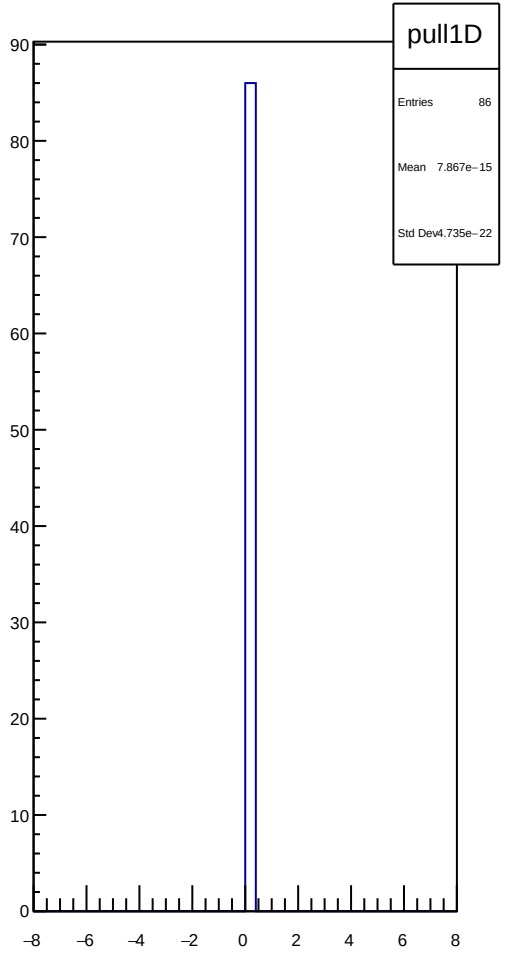

dit_sam4_4eY_slope vs run
χ² / ndf 1.174e−24 / 85
p0 288.6 ± 0.3147
292
291
290
289
288
287
286
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

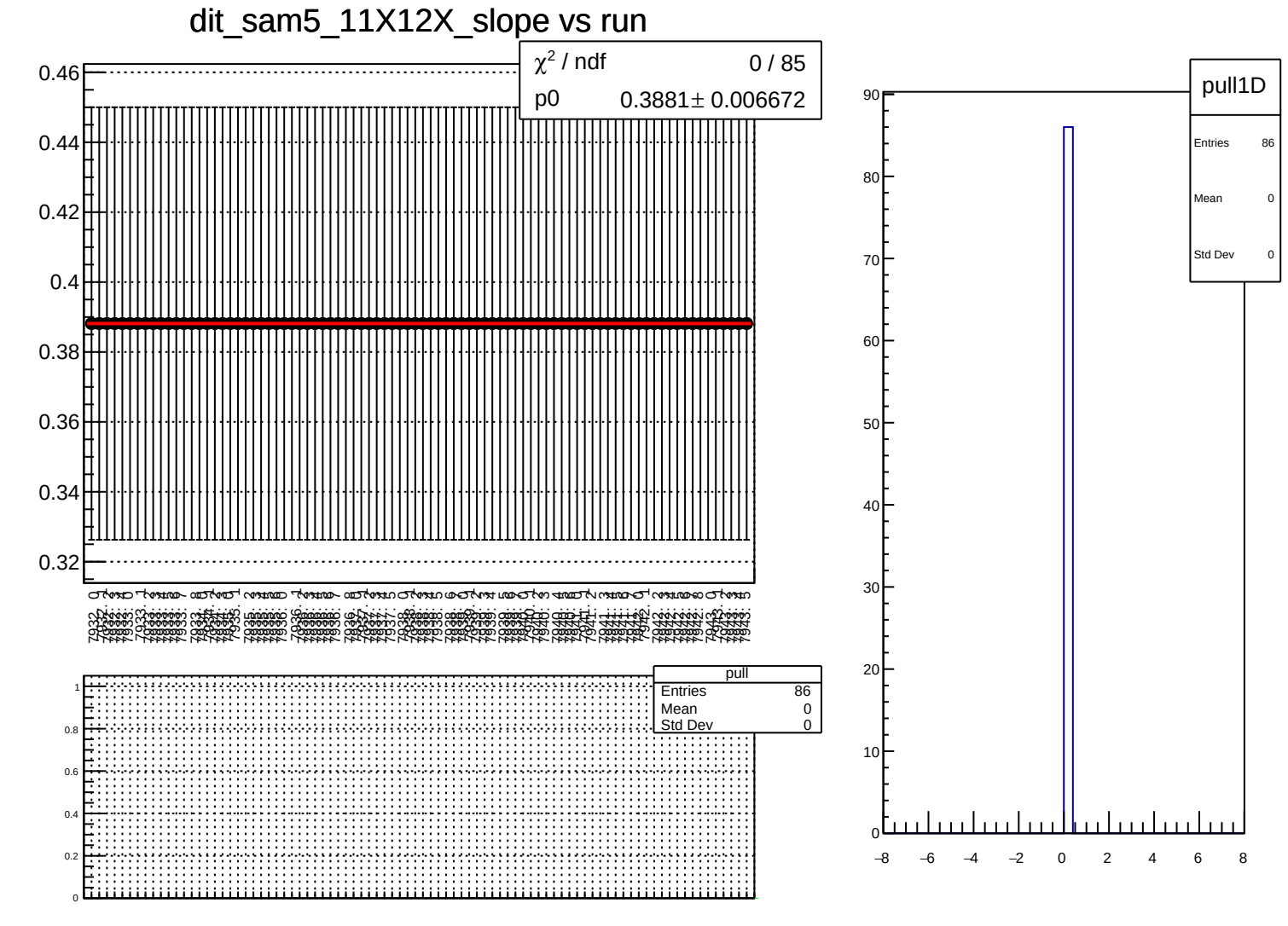

pull1D
Entries 86
Mean −1.169e−13
Std Dev4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

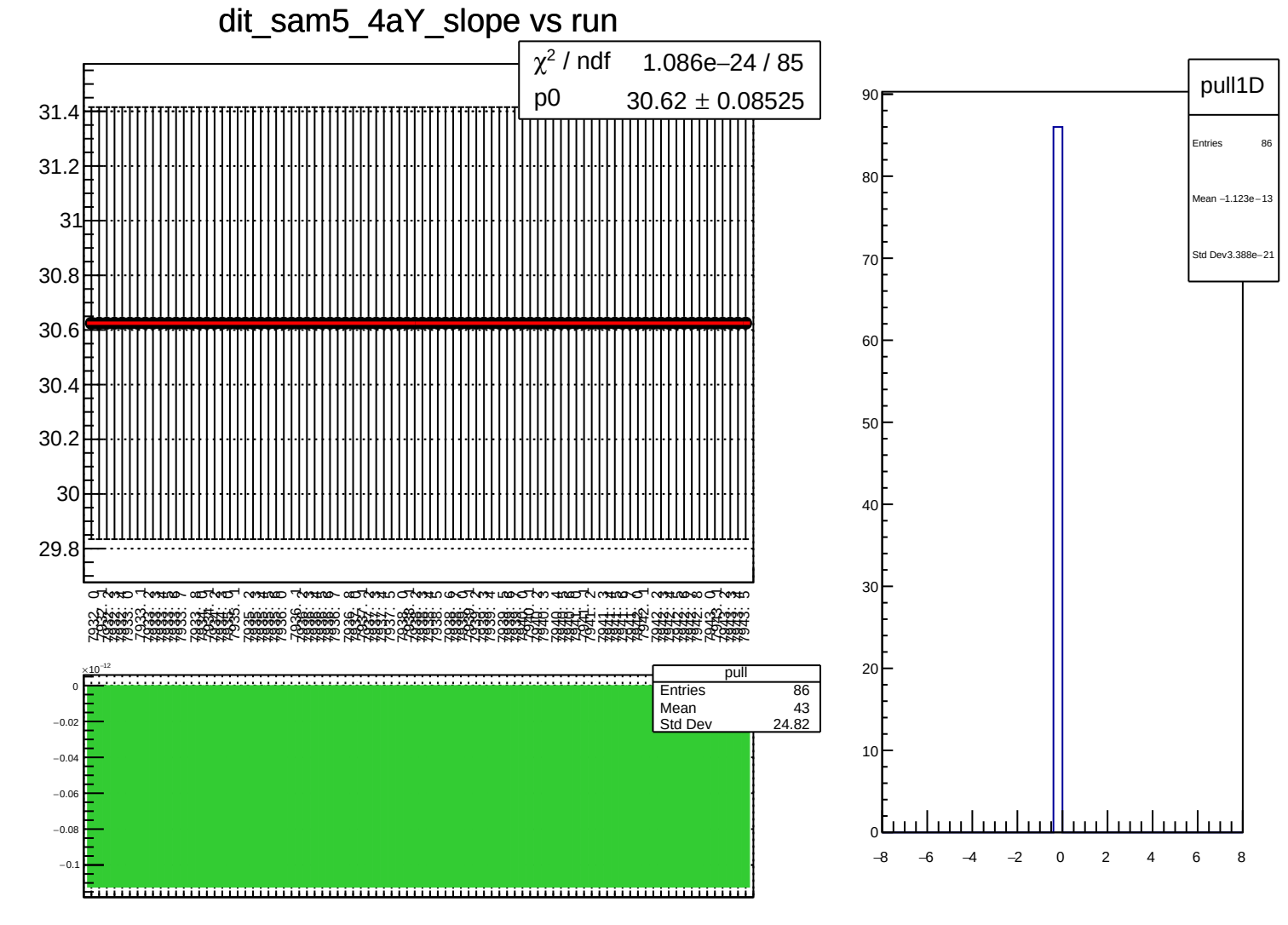

dit_sam5_4aX_slope vs run
χ² / ndf 6.443e−27 / 85
p0 4.071 ± 0.06639
4.8
4.6
4.4
4.2
4
3.8
3.6
3.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
9
8
7
6
5
4
3
2
1
0

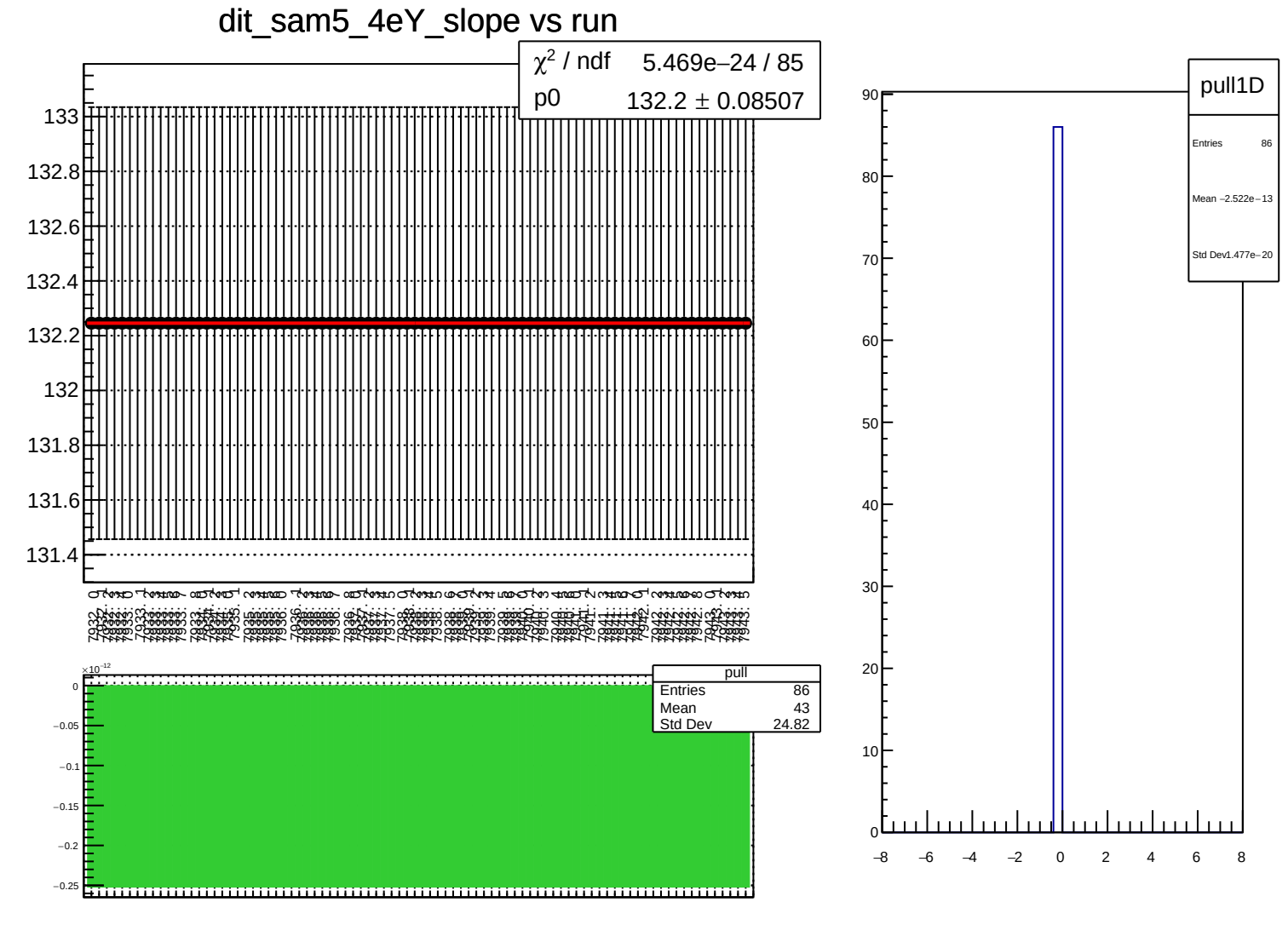

pull1D
Entries 86
Mean 8.655e−15
Std Dev 6.082e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

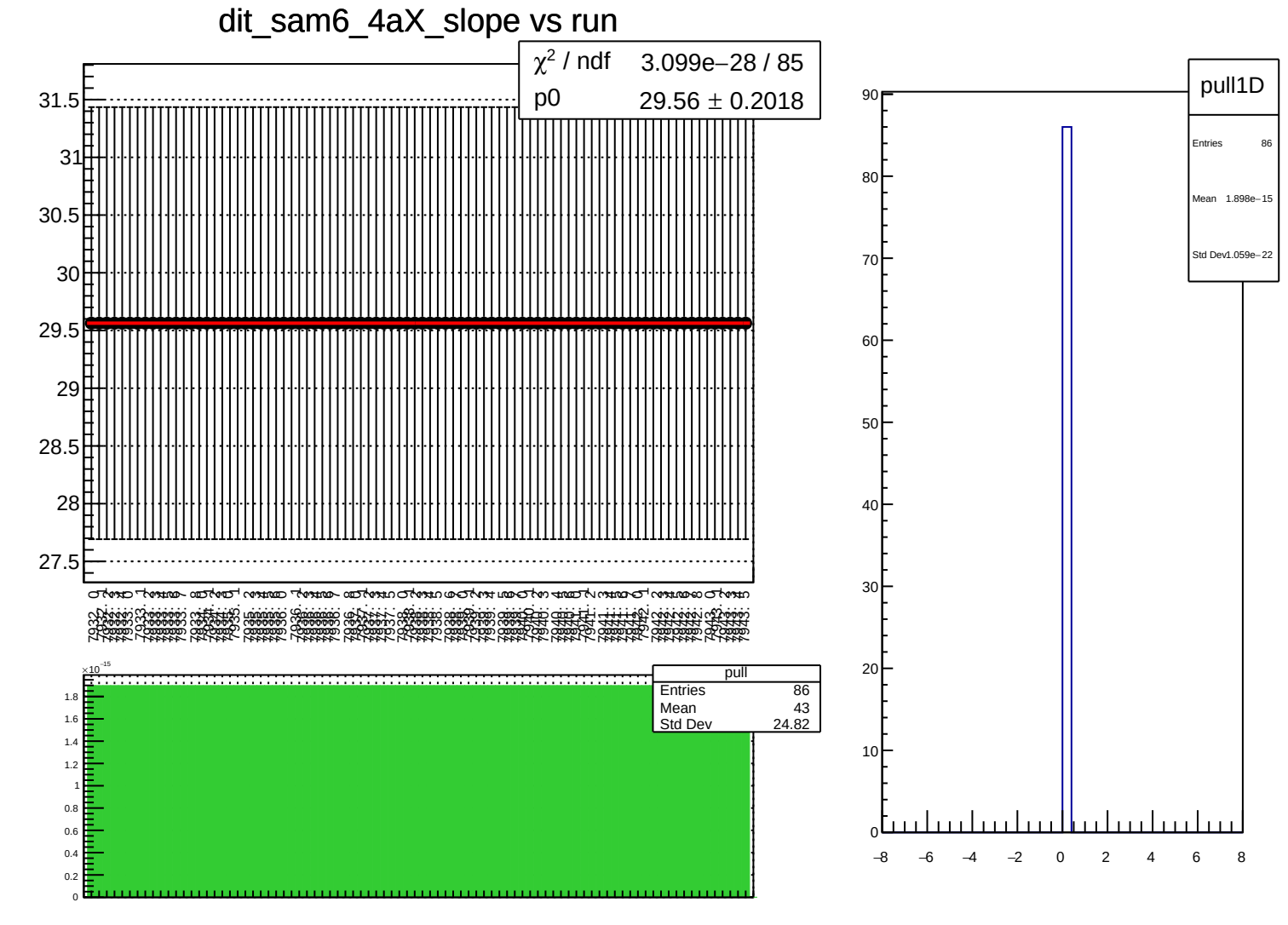

dit_sam5_4eX_slope vs run
χ² / ndf 5.322e−27 / 85
p0 3.433 ± 0.06696
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵

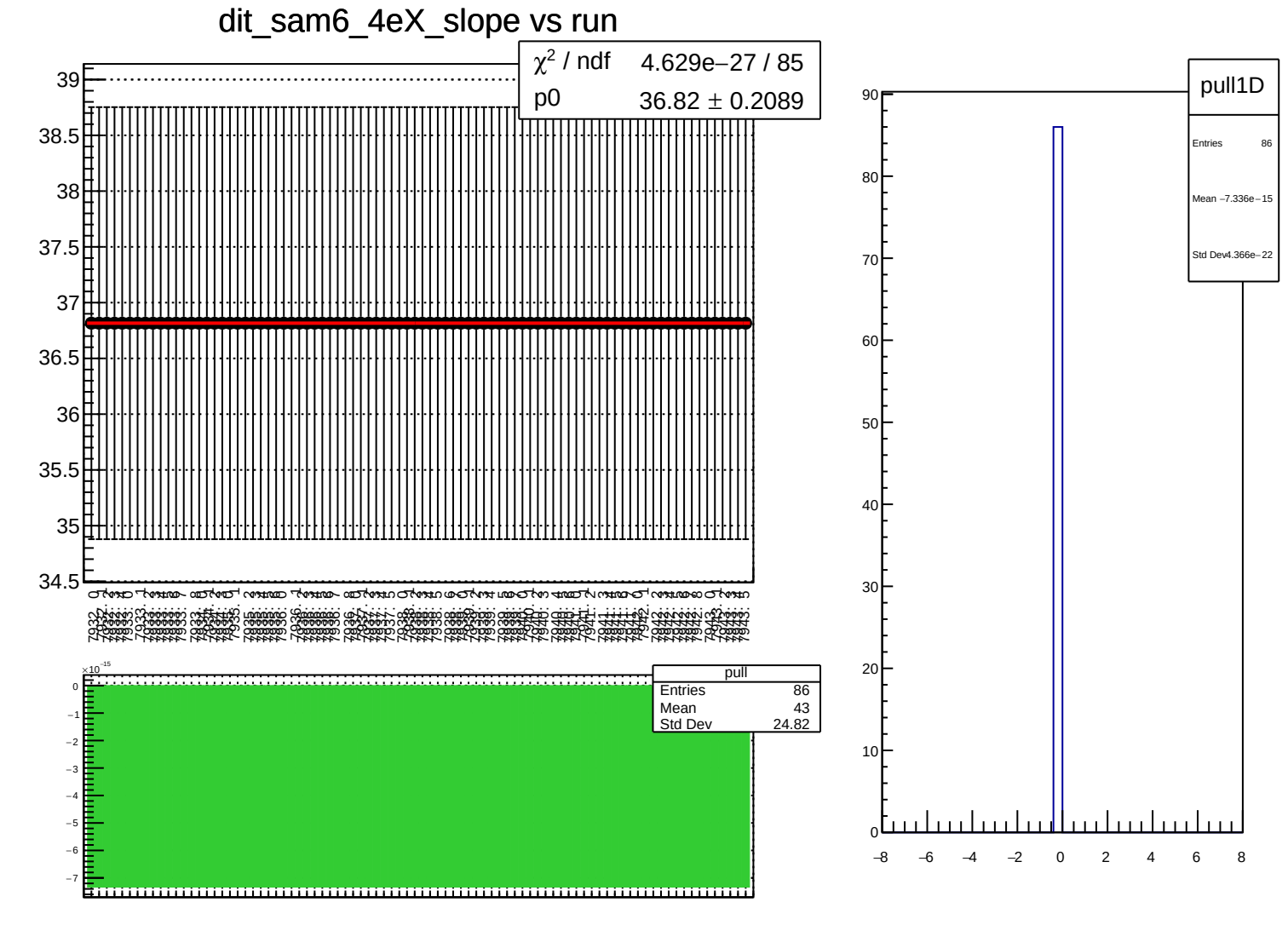

pull1D
Entries 86
Mean 7.867e−15
Std Dev 4.735e−22

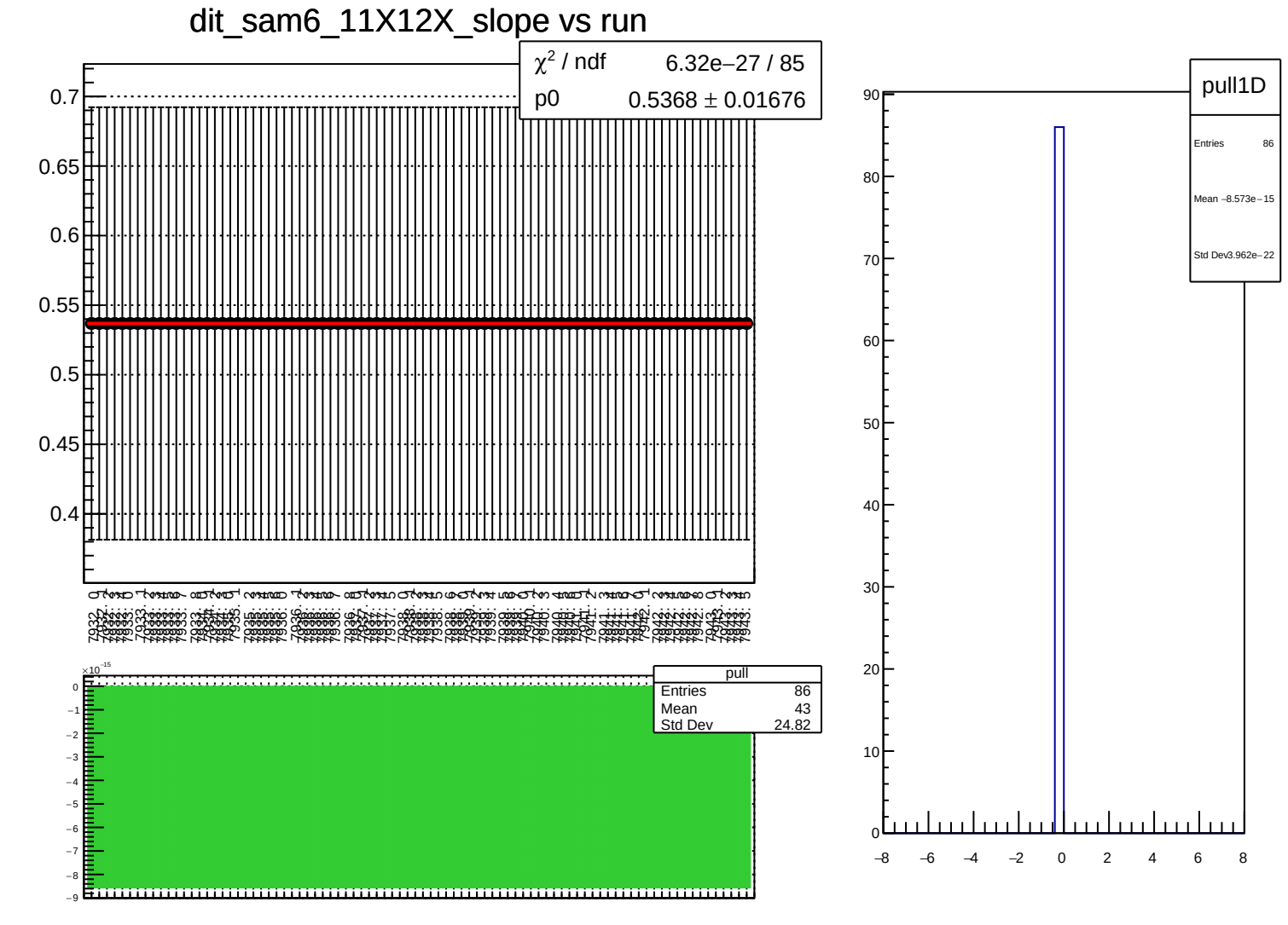

dit_sam5_11X12X_slope vs run
χ² / ndf 0 / 85
p0 0.3881 ± 0.006672
pull
Entries 86
Mean 0
Std Dev 0
pull1D
Entries 86
Mean 0
Std Dev 0

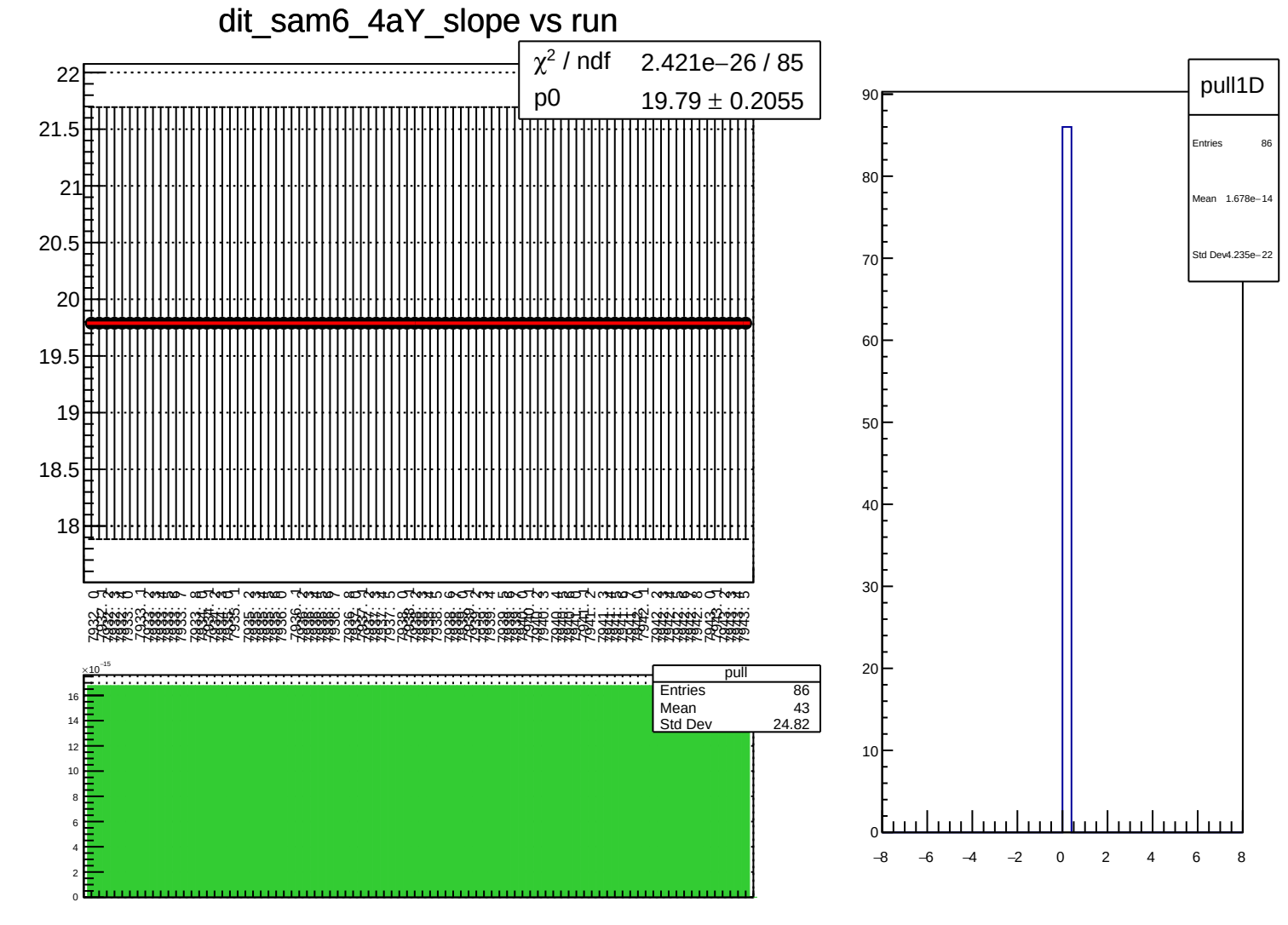

dit_sam5_4aY_slope vs run
χ² / ndf 1.086e−24 / 85
p0 30.62 ± 0.08525
31.4
31.2
31
30.8
30.6
30.4
30.2
30
29.8
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 86
Mean −1.123e−13
Std Dev3.388e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

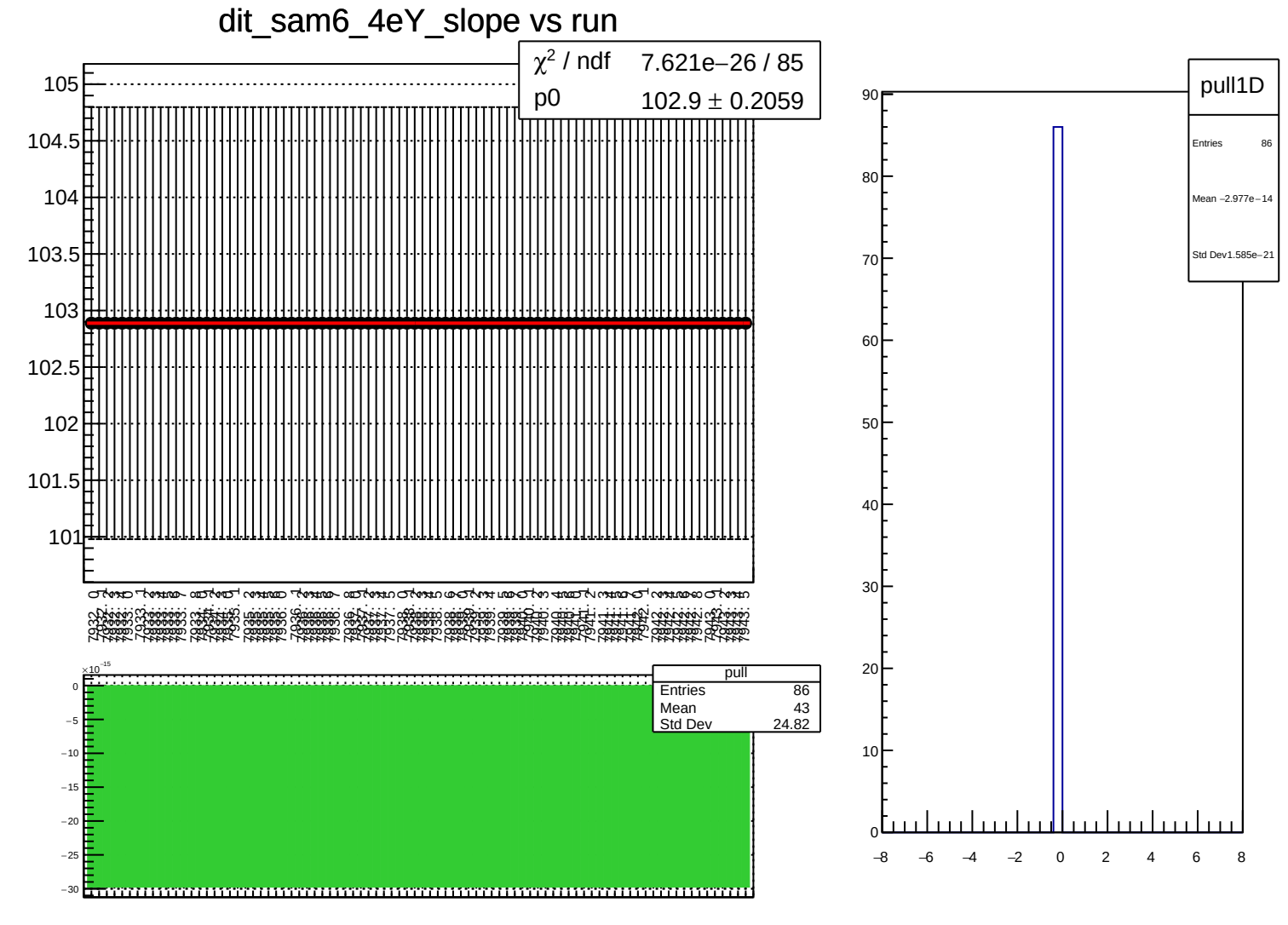

dit_sam5_4eY_slope vs run
χ² / ndf 5.469e−24 / 85
p0 132.2 ± 0.08507
133
132.8
132.6
132.4
132.2
132
131.8
131.6
131.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 86
Mean −2.522e−13
Std Dev1.477e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

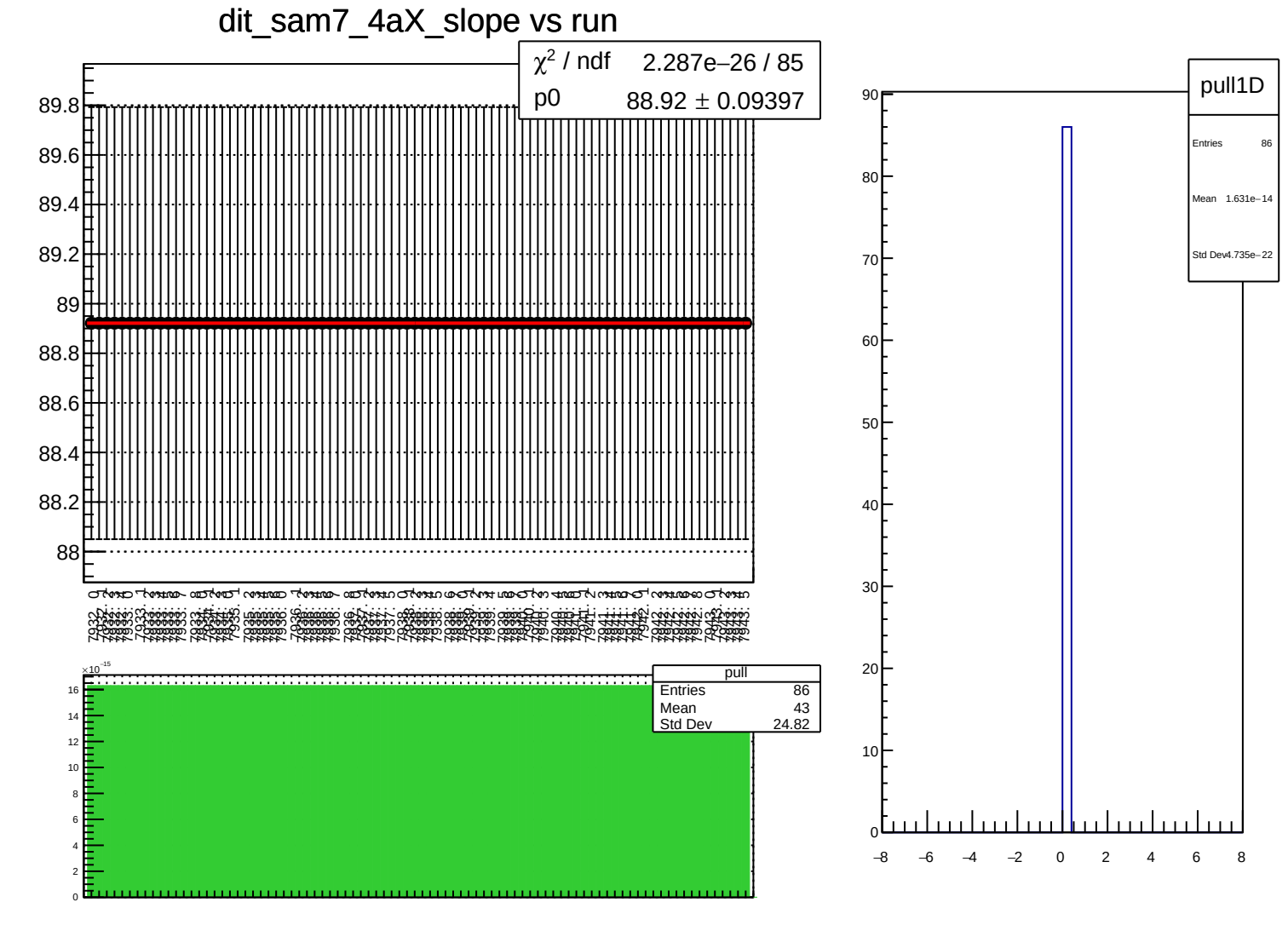

dit_sam6_4aX_slope vs run
χ² / ndf 3.099e−28 / 85
p0 29.56 ± 0.2018
31.5
31
30.5
30
29.5
29
28.5
28
27.5
×10⁻¹⁵
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.898e−15
Std Dev1.059e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

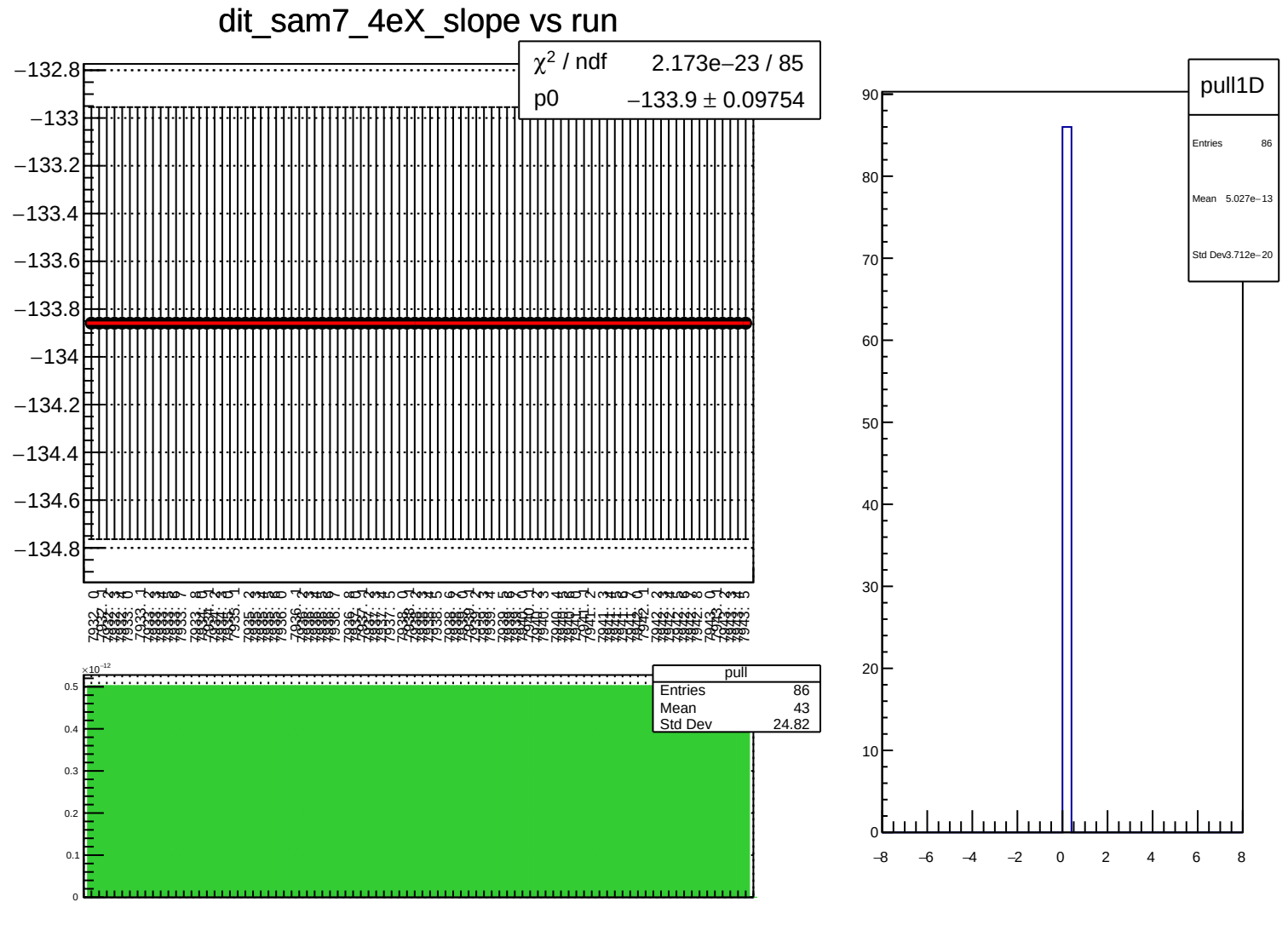

dit_sam6_4eX_slope vs run
χ² / ndf 4.629e−27 / 85
p0 36.82 ± 0.2089
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −7.336e−15
Std Dev4.366e−22

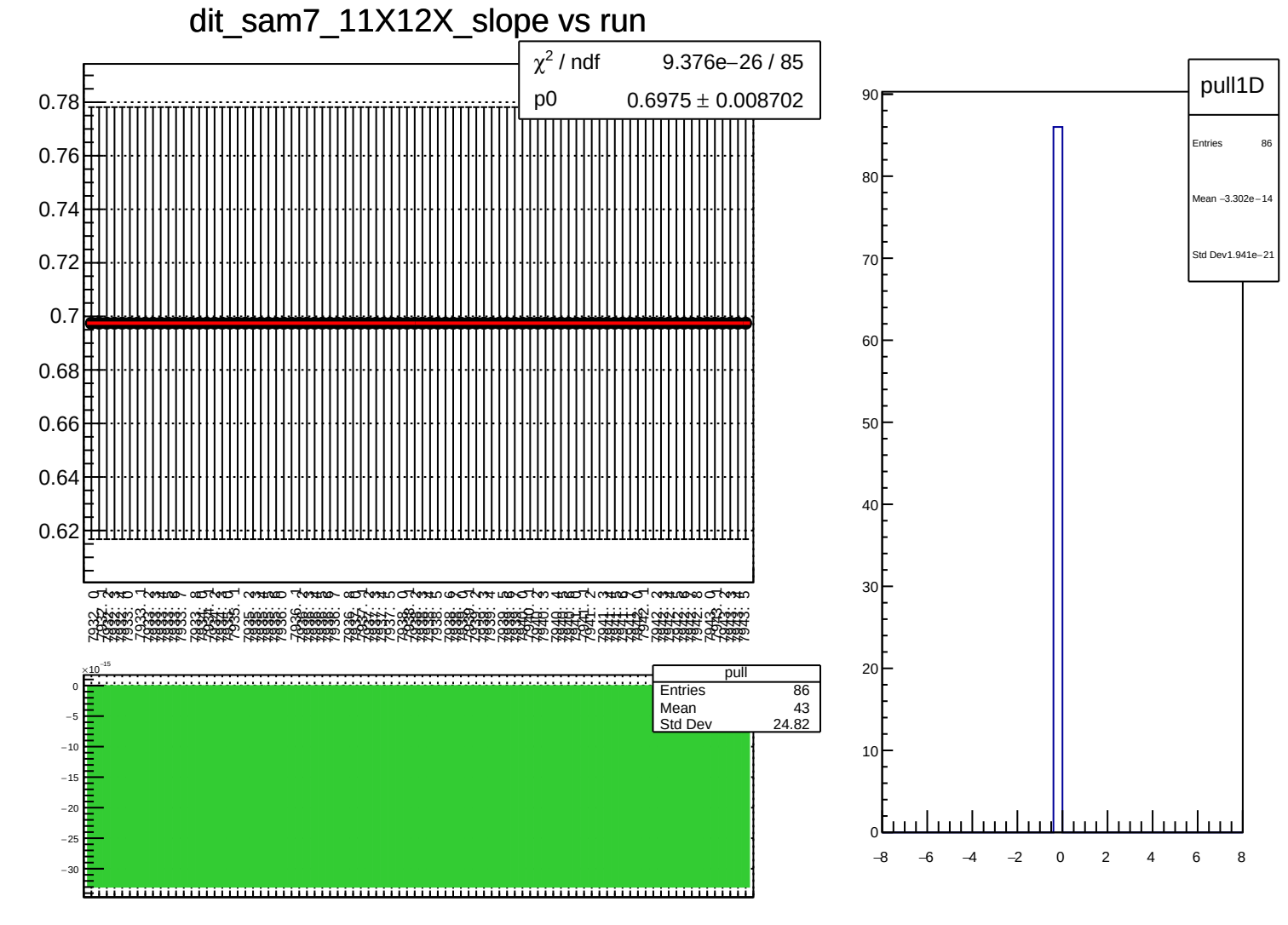

dit_sam6_11X12X_slope vs run
χ² / ndf 6.32e−27 / 85
p0 0.5368 ± 0.01676
0.7
0.65
0.6
0.55
0.5
0.45
0.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
−9
pull1D
Entries 86
Mean −8.573e−15
Std Dev 3.962e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_4aY_slope vs run
χ² / ndf 2.421e−26 / 85
p0 19.79 ± 0.2055
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.678e−14
Std Dev4.235e−22


dit_sam6_4eY_slope vs run
χ² / ndf 7.621e−26 / 85
p0 102.9 ± 0.2059
105
104.5
104
103.5
103
102.5
102
101.5
101
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 86
Mean −2.977e−14
Std Dev1.585e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4aX_slope vs run
χ² / ndf 2.287e−26 / 85
p0 88.92 ± 0.09397
89.8
89.6
89.4
89.2
89
88.8
88.6
88.4
88.2
88
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
16
14
12
10
8
6
4
2
0
pull1D
Entries 86
Mean 1.631e−14
Std Dev 4.735e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_4eX_slope vs run
χ² / ndf 2.173e−23 / 85
p0 −133.9 ± 0.09754
−132.8
−133
−133.2
−133.4
−133.6
−133.8
−134
−134.2
−134.4
−134.6
−134.8
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 86
Mean 5.027e−13
Std Dev 3.712e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam7_11X12X_slope vs run
χ² / ndf 9.376e−26 / 85
p0 0.6975 ± 0.008702
0.78
0.76
0.74
0.72
0.7
0.68
0.66
0.64
0.62
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 86
Mean −3.302e−14
Std Dev1.941e−21
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80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
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2
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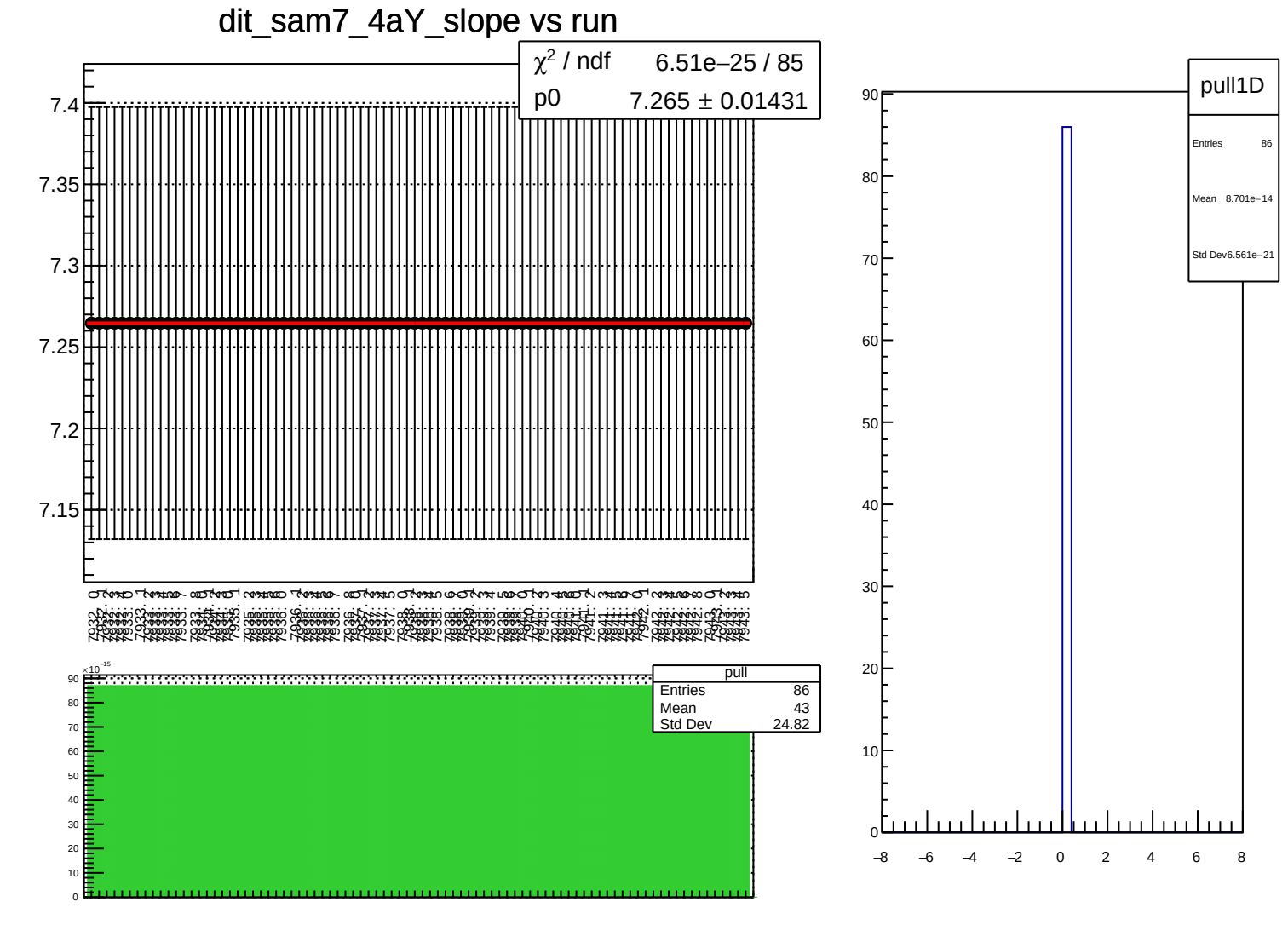
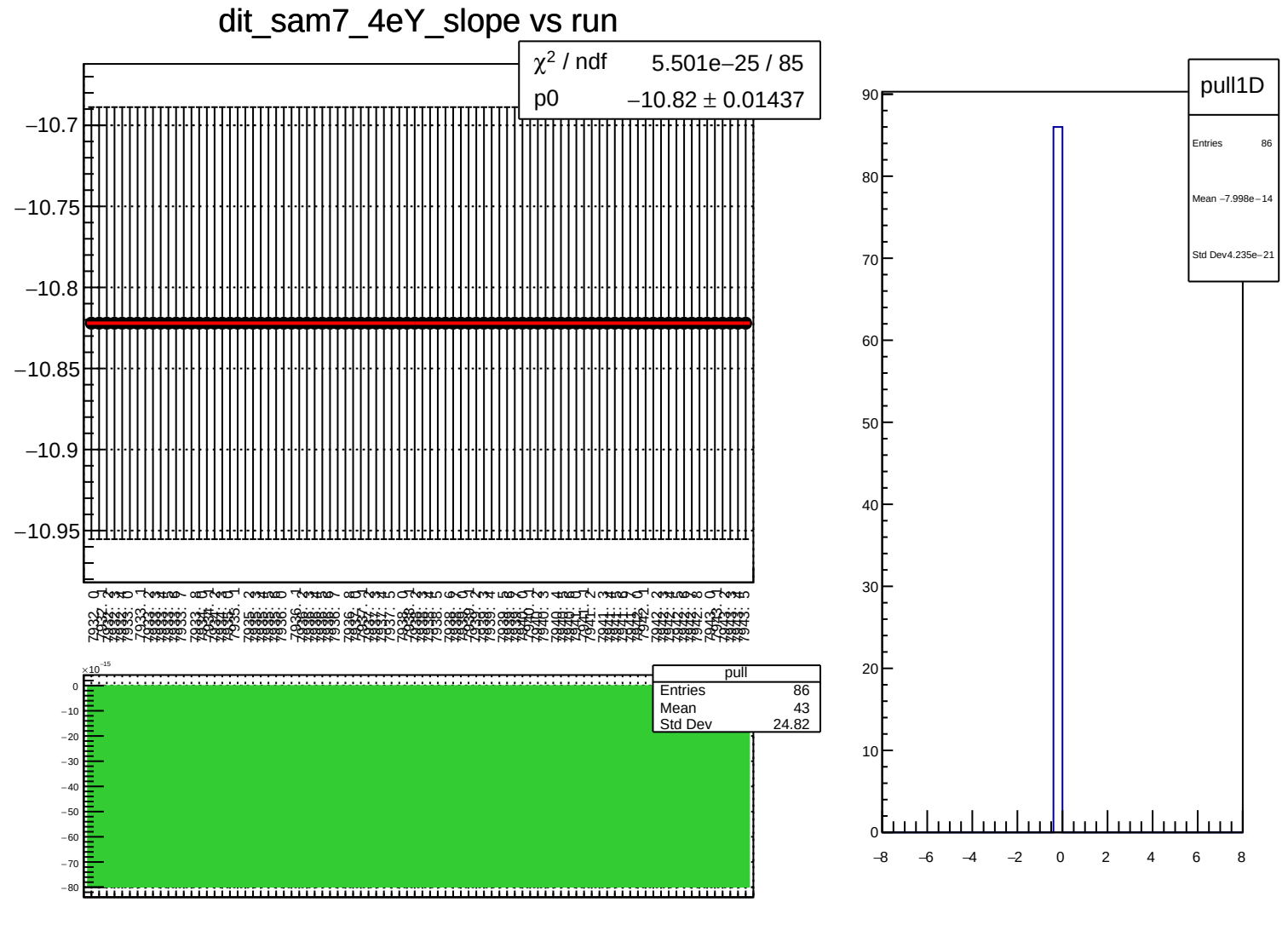
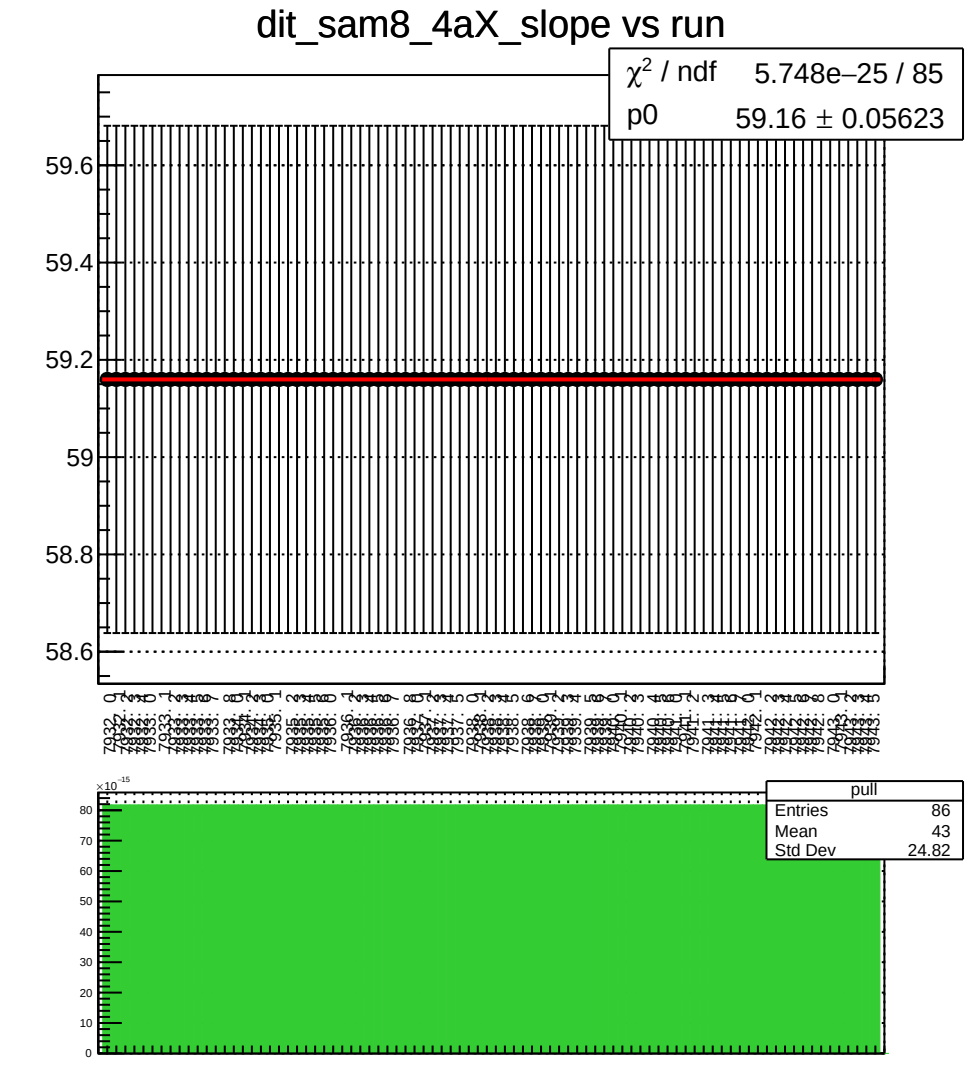
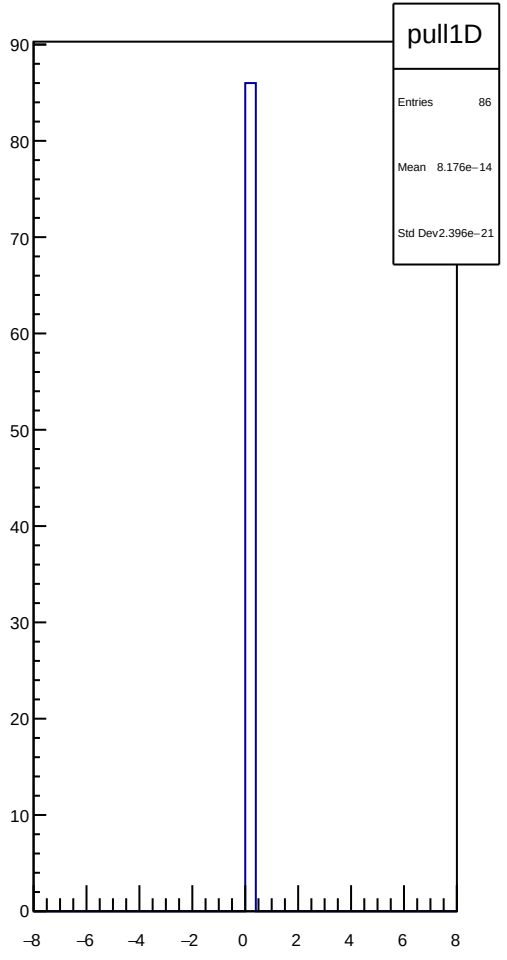
6
8


dit_sam7_4aY_slope vs run
χ² / ndf 6.51e−25 / 85
p0 7.265 ± 0.01431
7.4
7.35
7.3
7.25
7.2
7.15
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
pull1D
Entries 86
Mean 8.701e−14
Std Dev6.561e−21


dit_sam7_4eY_slope vs run
χ² / ndf 5.501e−25 / 85
p0 −10.82 ± 0.01437
−10.7
−10.75
−10.8
−10.85
−10.9
−10.95
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
pull1D
Entries 86
Mean −7.998e−14
Std Dev4.235e−21


dit_sam8_4aX_slope vs run
χ² / ndf 5.748e−25 / 85
p0 59.16 ± 0.05623
59.6
59.4
59.2
59
58.8
58.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
80
70
60
50
40
30
20
10
0


pull1D
Entries 86
Mean 8.176e−14
Std Dev2.396e−21
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70
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50
40
30
20
10
0
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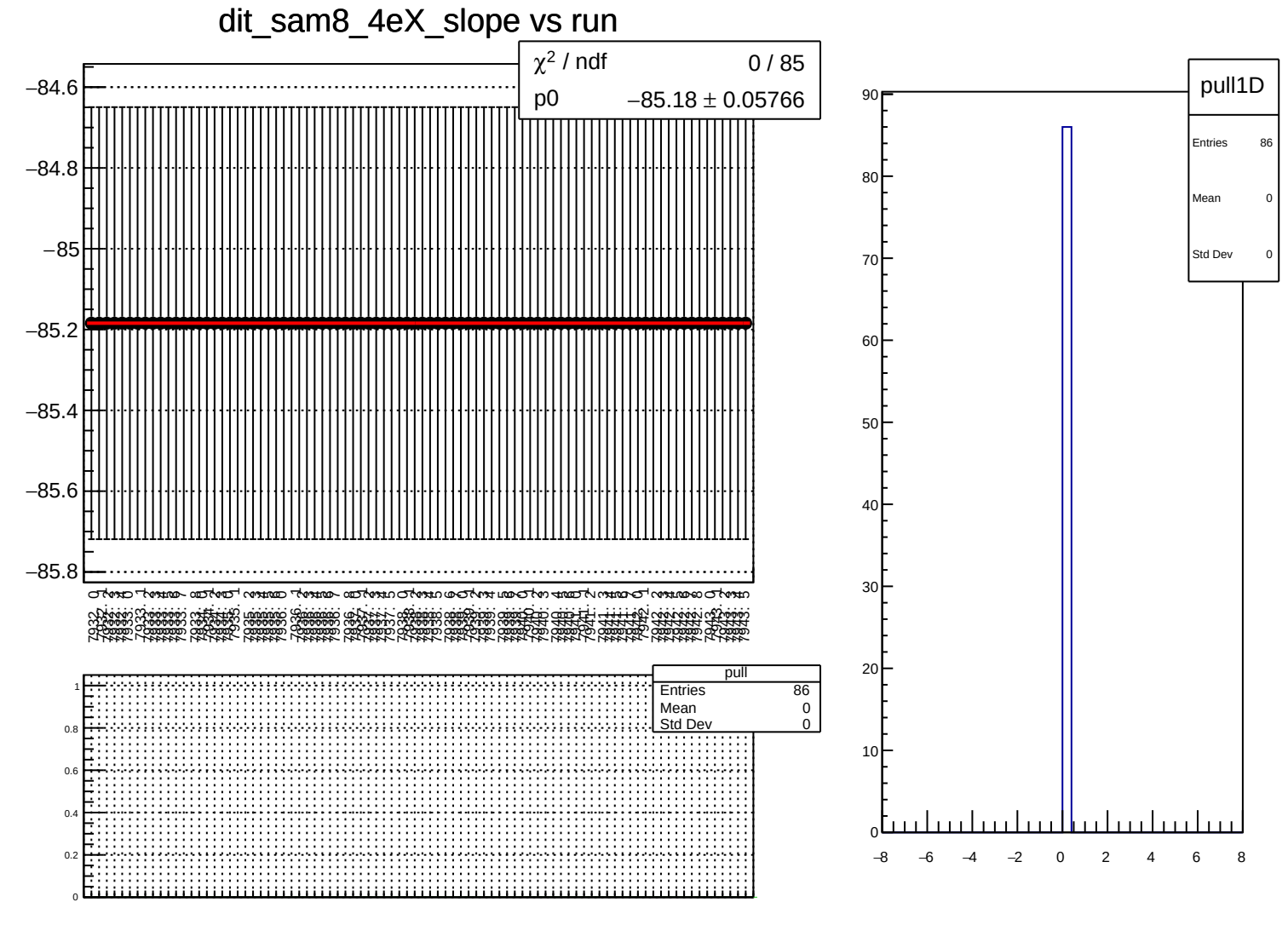
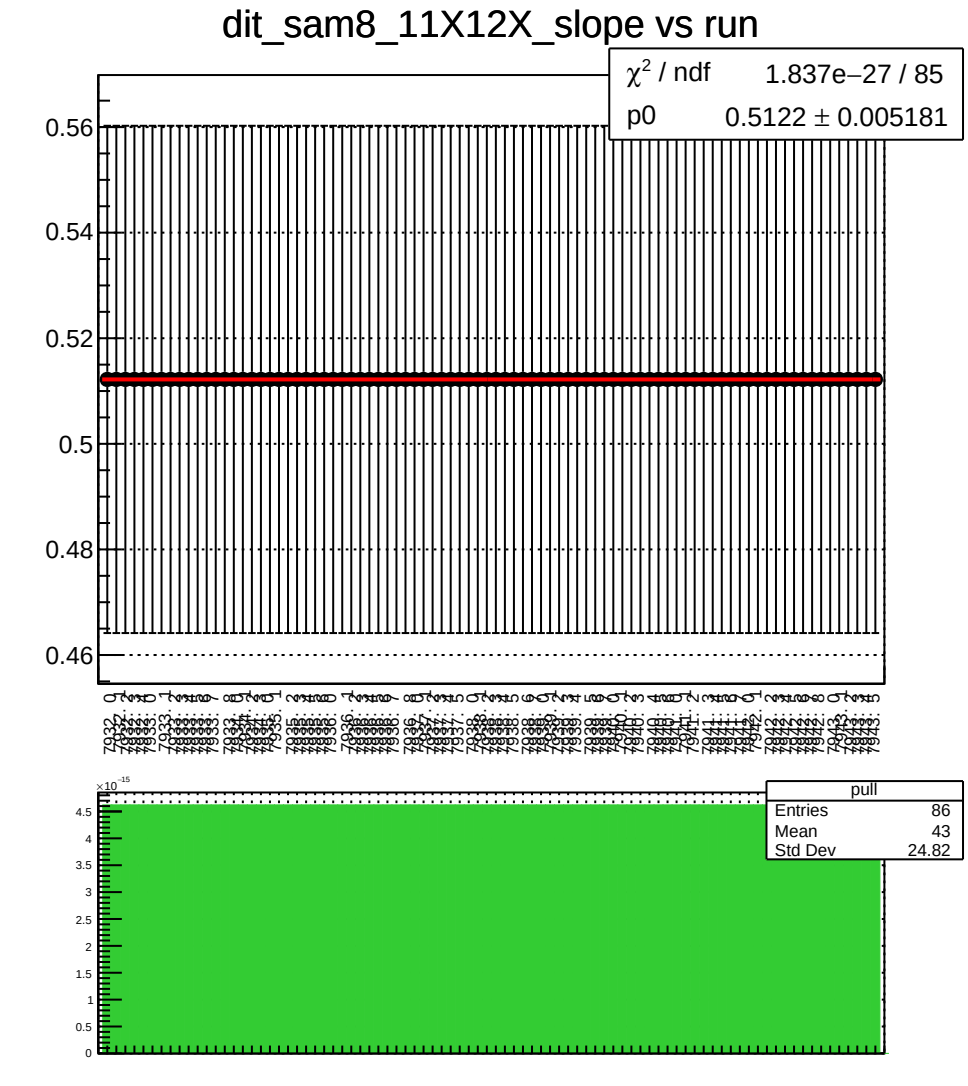
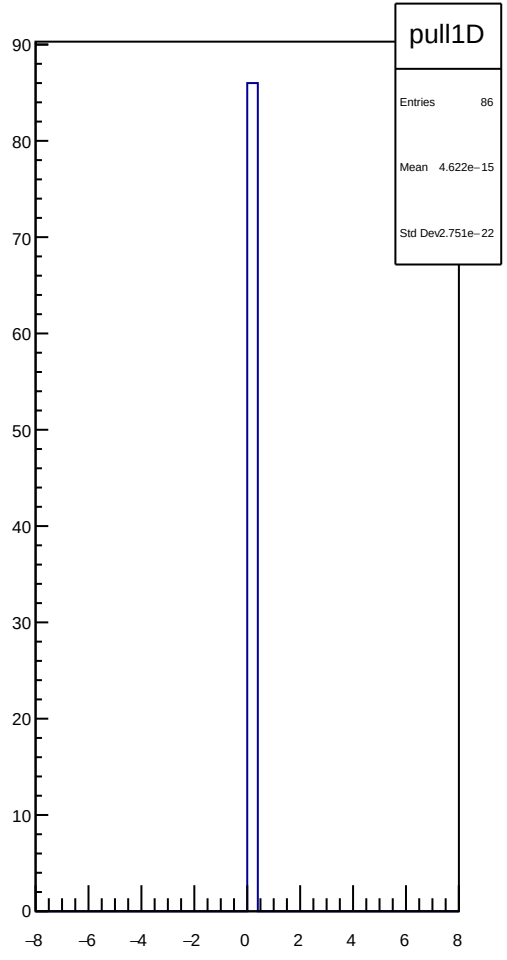
−6
−4
−2
0
2
4
6
8


dit_sam8_4eX_slope vs run
χ² / ndf 0 / 85
p0 −85.18 ± 0.05766
−84.6
−84.8
−85
−85.2
−85.4
−85.6
−85.8
pull
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 86
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam8_11X12X_slope vs run
χ² / ndf 1.837e−27 / 85
p0 0.5122 ± 0.005181
0.56
0.54
0.52
0.5
0.48
0.46
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0


pull1D
Entries 86
Mean 4.622e−15
Std Dev 2.751e−22
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50
40
30
20
10
0
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−4
−2
0
2
4
6
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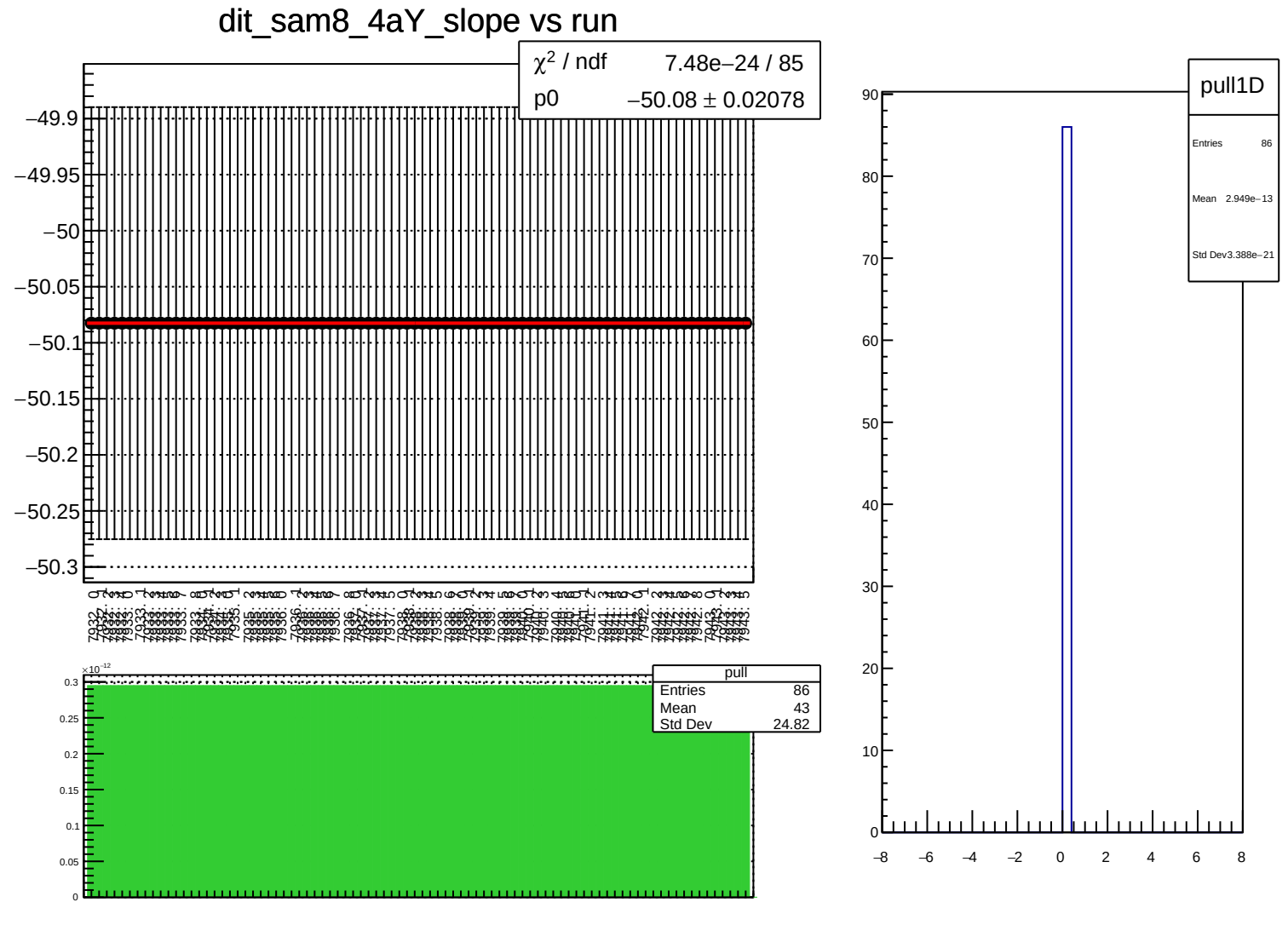
dit_sam8_4aY_slope vs run
χ² / ndf 7.48e−24 / 85
p0 −50.08 ± 0.02078
−49.9
−49.95
−50
−50.05
−50.1
−50.15
−50.2
−50.25
−50.3
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 2.949e−13
Std Dev3.388e−21
90
80
70
60
50
40
30
20
10
0
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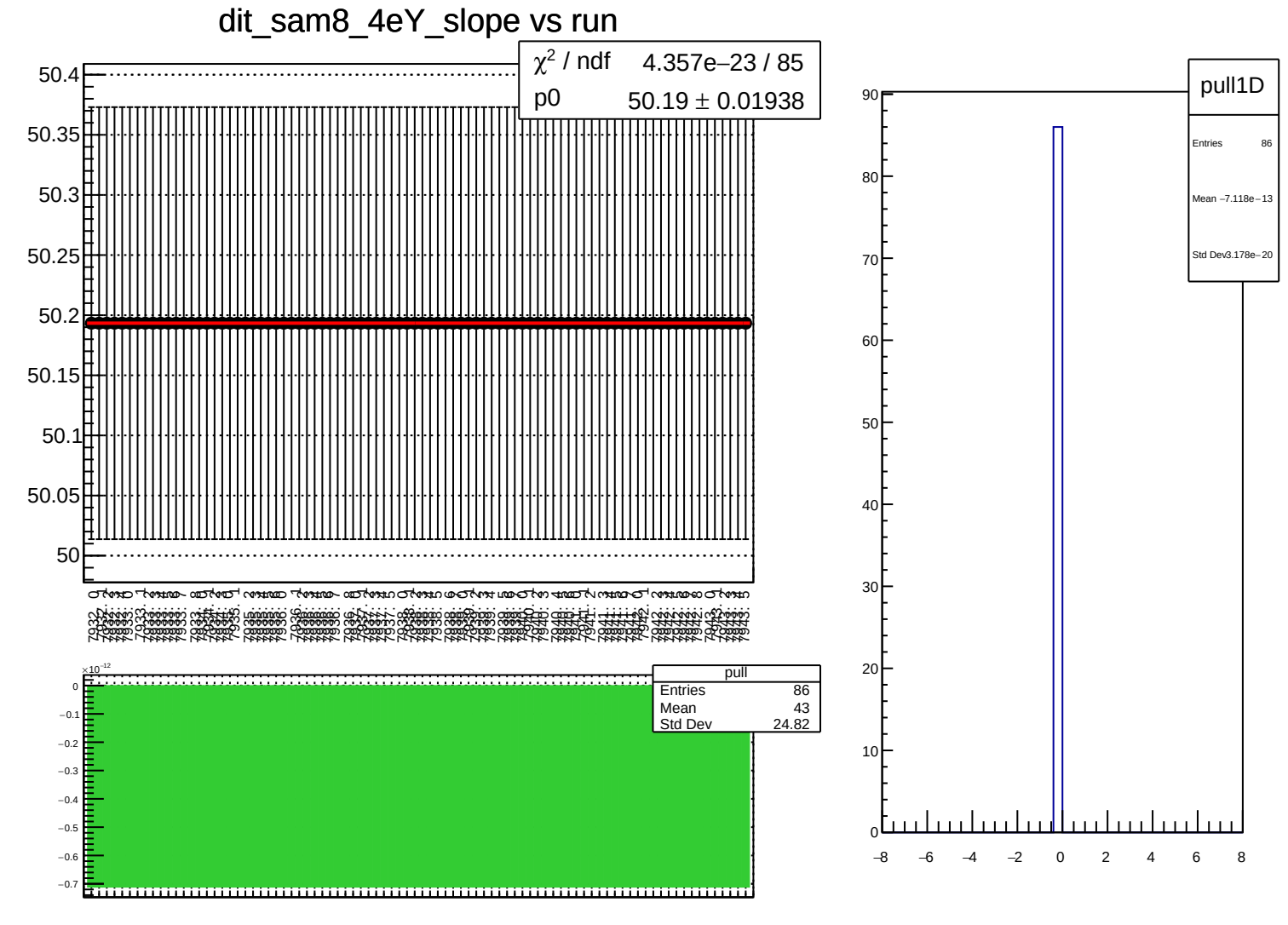
−4
−2
0
2
4
6
8


dit_sam8_4eY_slope vs run
χ² / ndf 4.357e−23 / 85
p0 50.19 ± 0.01938
50.4
50.35
50.3
50.25
50.2
50.15
50.1
50.05
50
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
pull1D
Entries 86
Mean −7.118e−13
Std Dev3.178e−20
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50
40
30
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6
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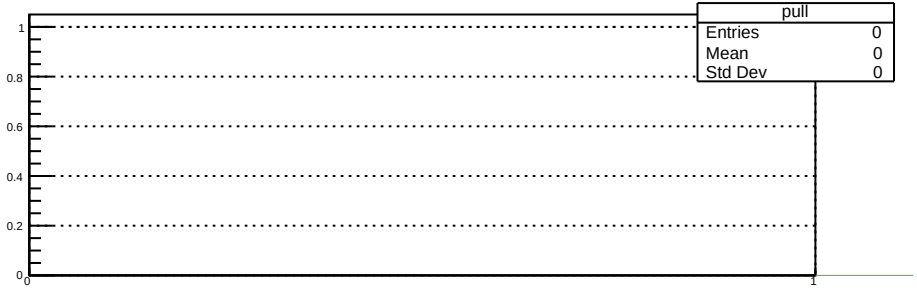
pull
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Mean 0
Std Dev 0
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0.6
0.4
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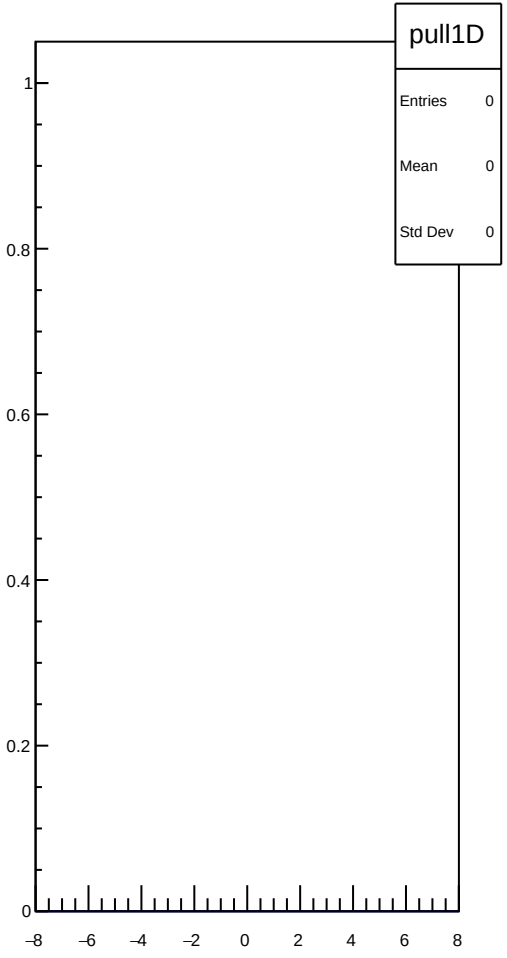
pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
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2
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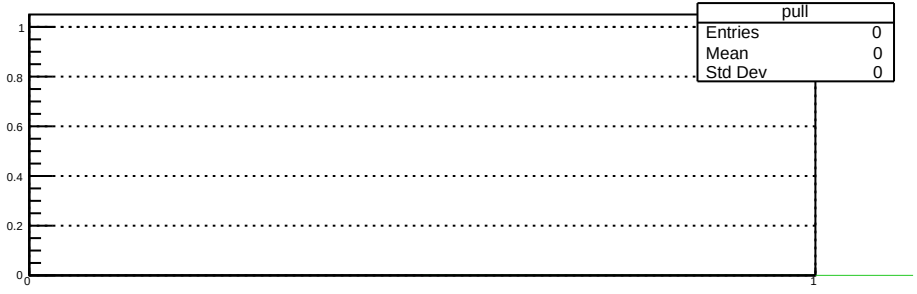
6
8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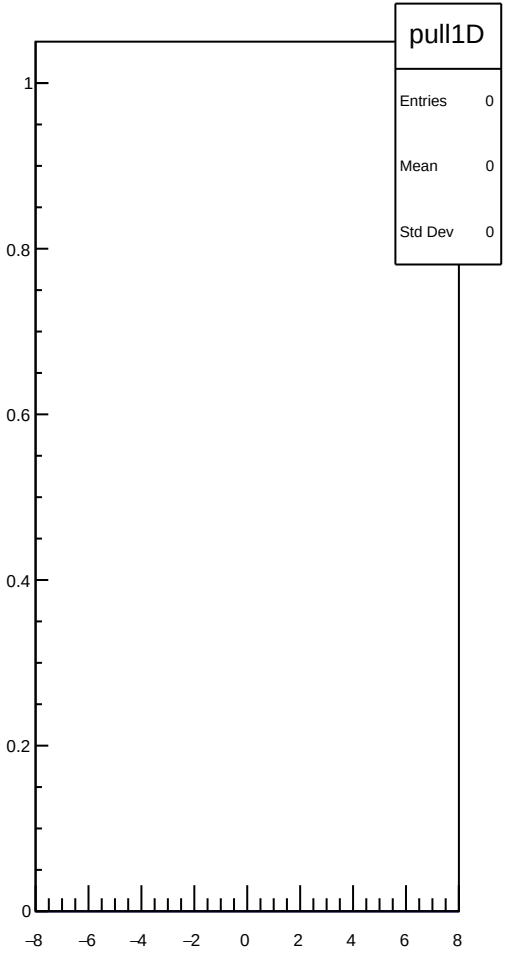
pull1D
Entries 0
Mean 0
Std Dev 0
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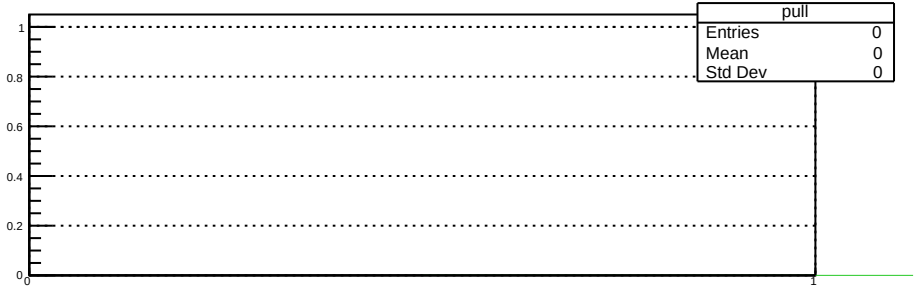
pull
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Std Dev 0
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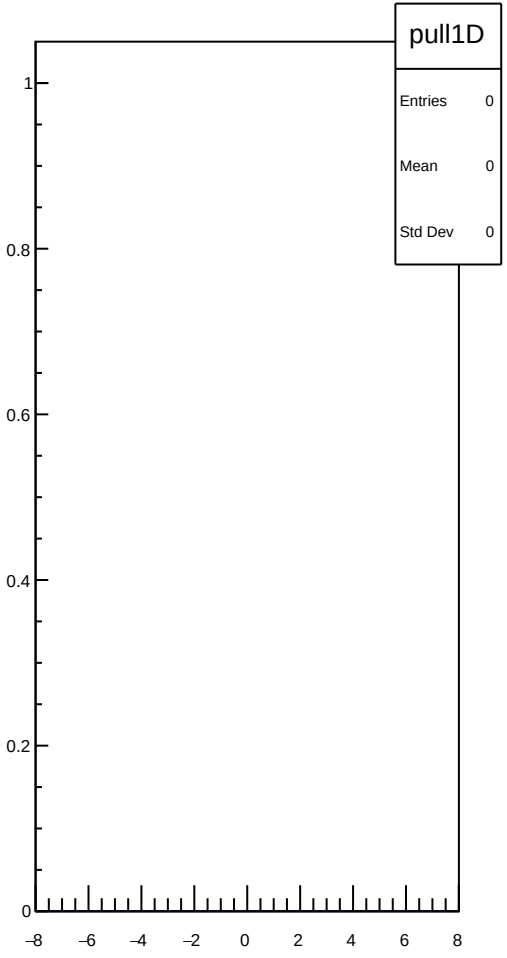
pull1D
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Std Dev 0
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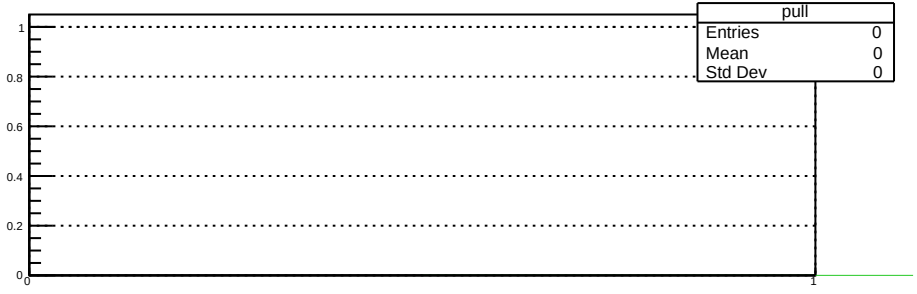
pull
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Std Dev 0
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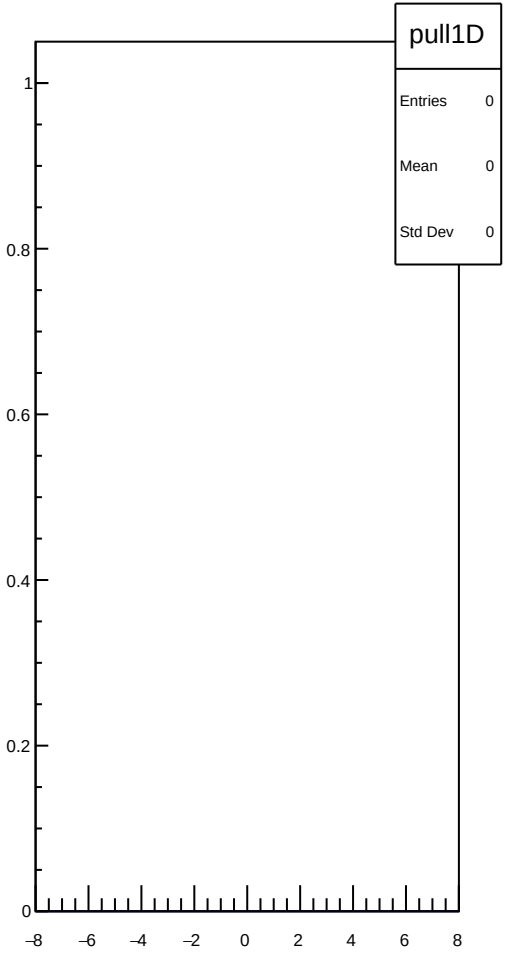
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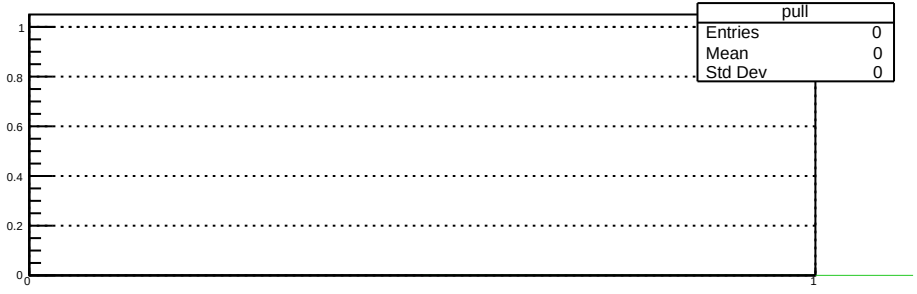
pull
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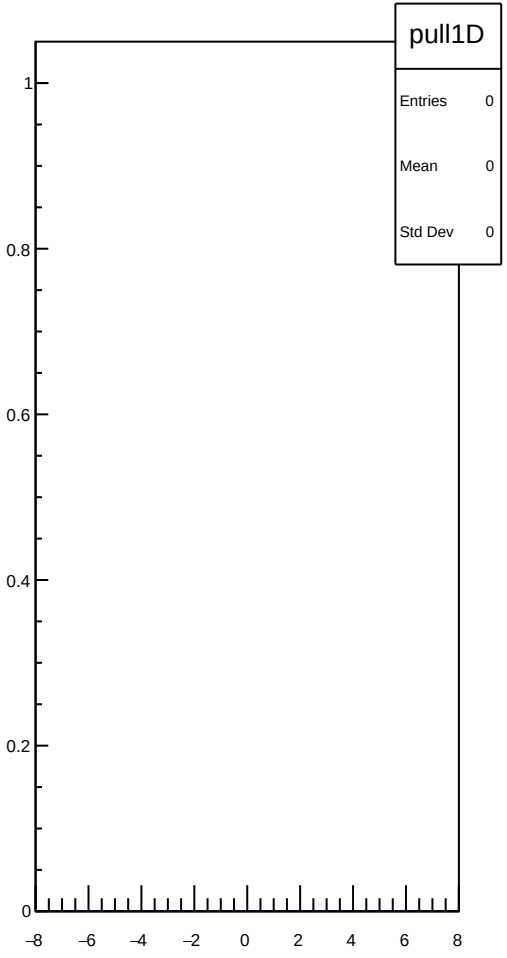
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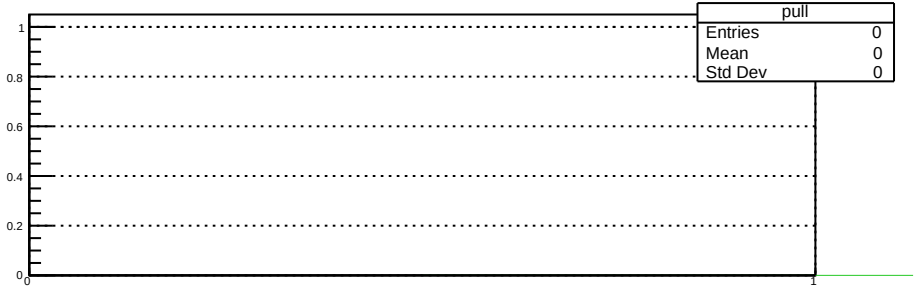
pull
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Std Dev 0
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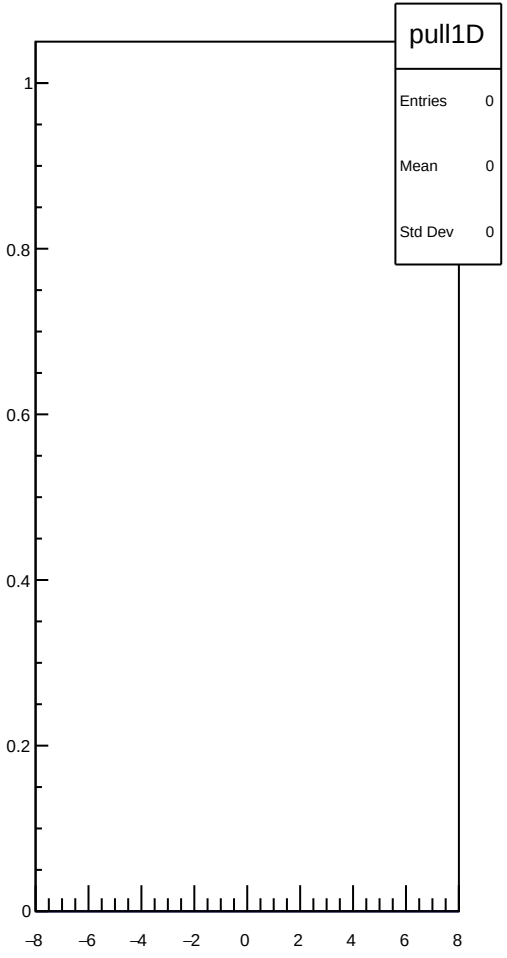
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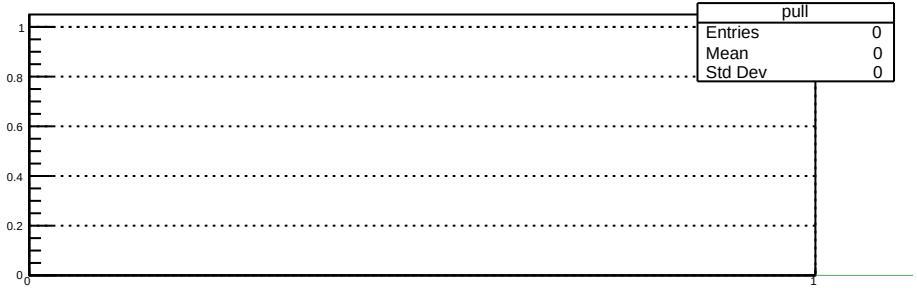
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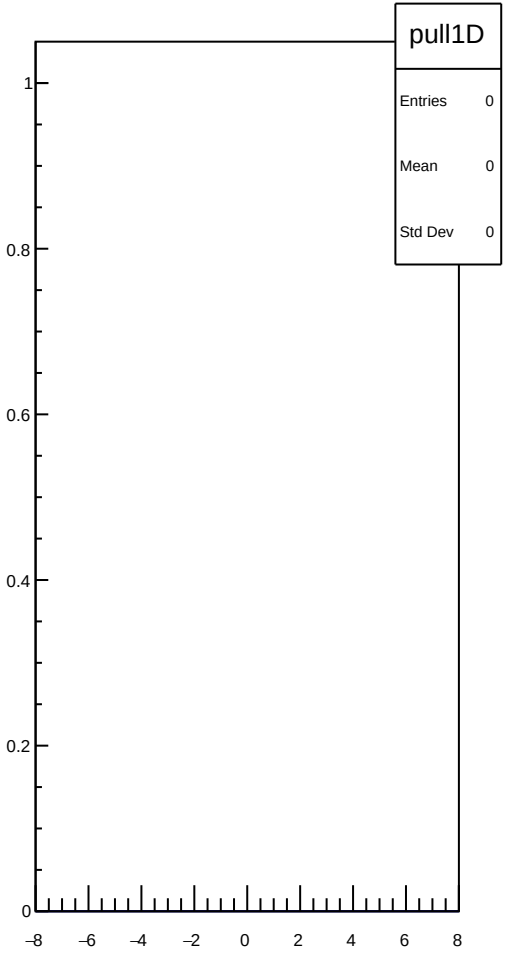
pull1D
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Std Dev 0
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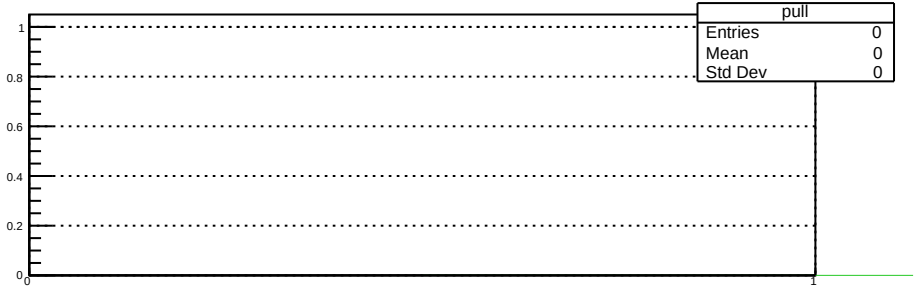
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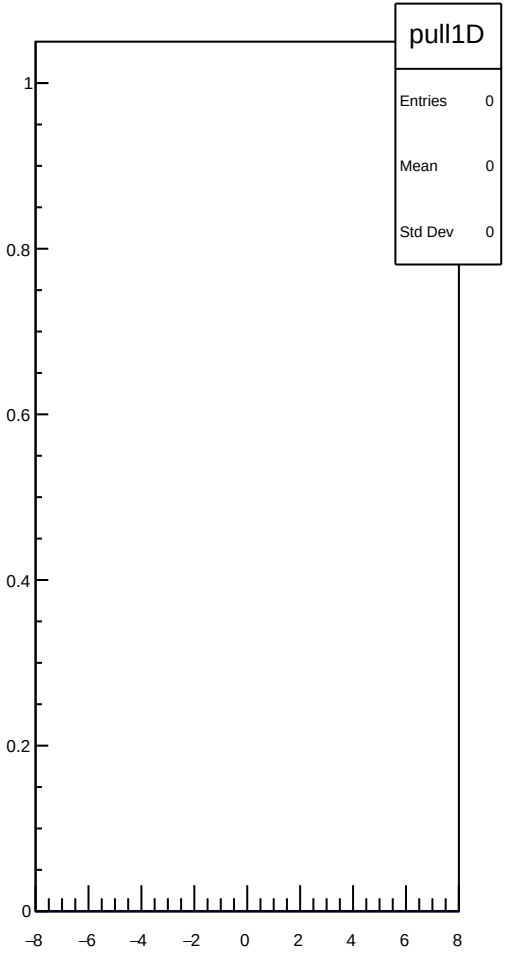
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Std Dev 0
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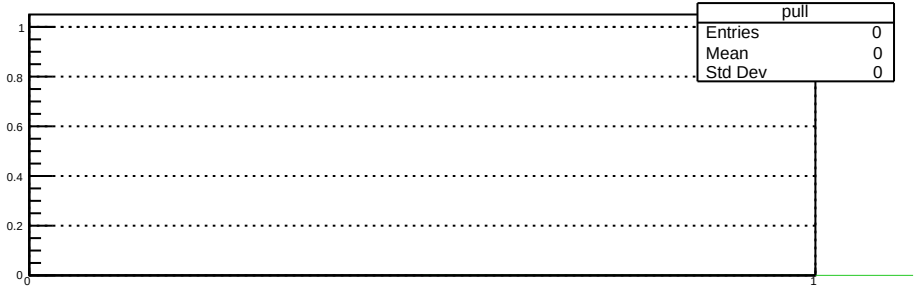
pull
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Mean 0
Std Dev 0
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0.6
0.4
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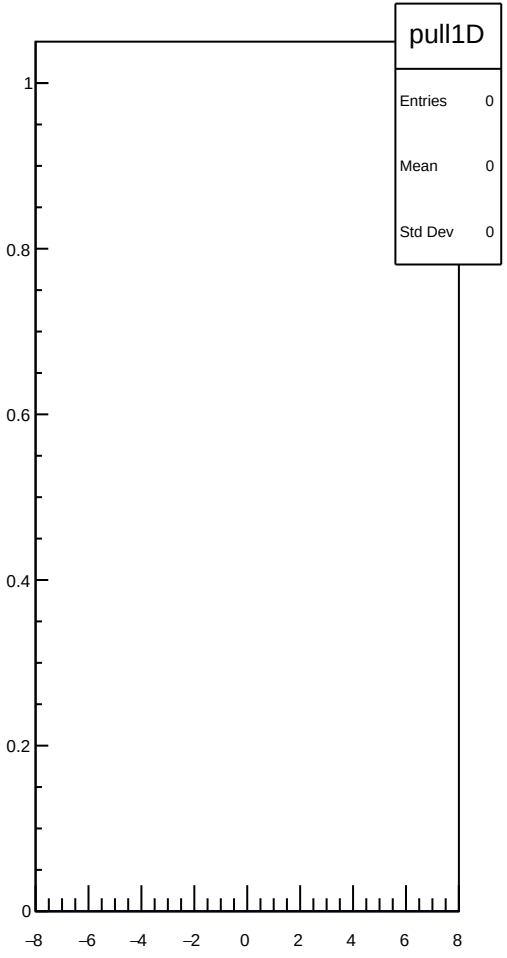
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Std Dev 0
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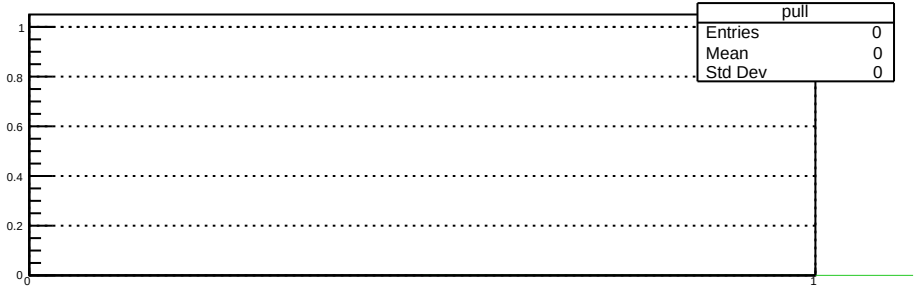
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Std Dev 0
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0.6
0.4
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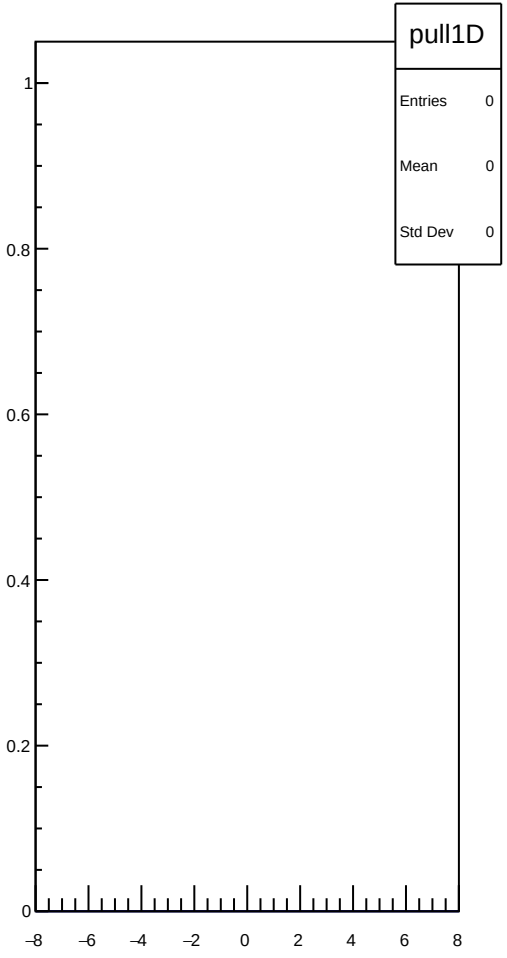
pull1D
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Std Dev 0
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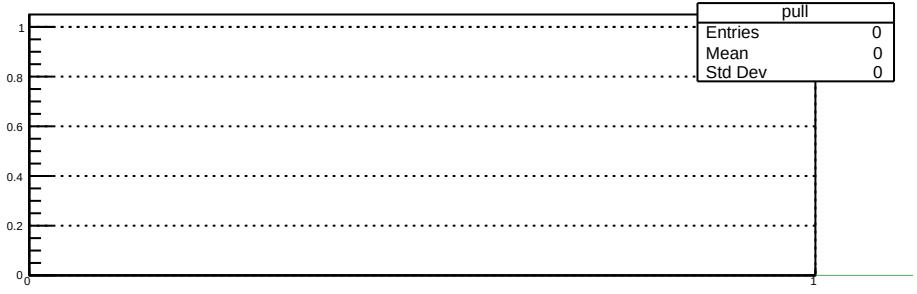
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Std Dev 0
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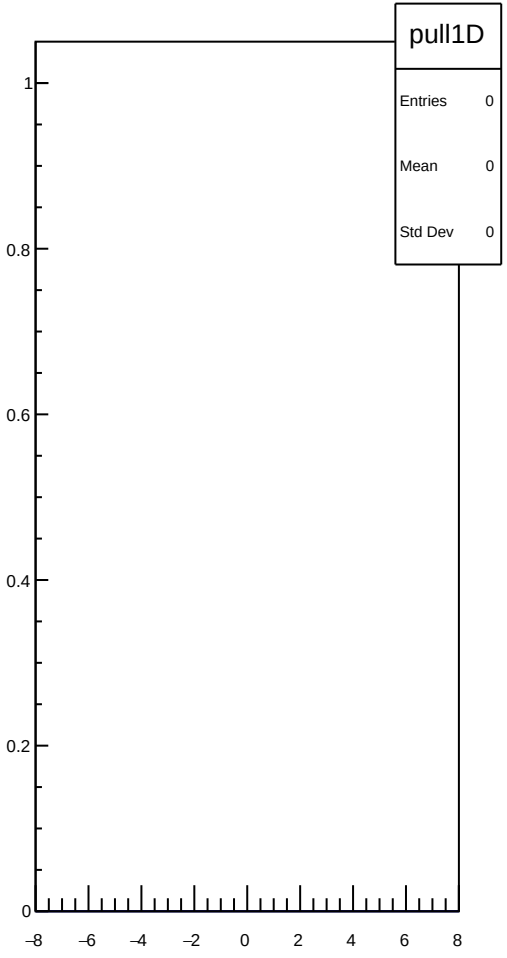
pull1D
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Std Dev 0
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0.4
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4
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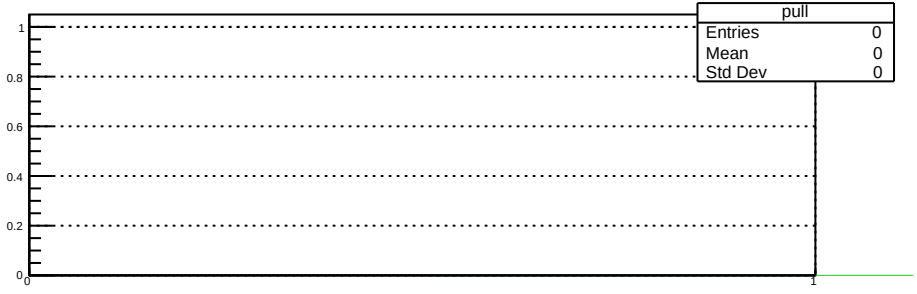
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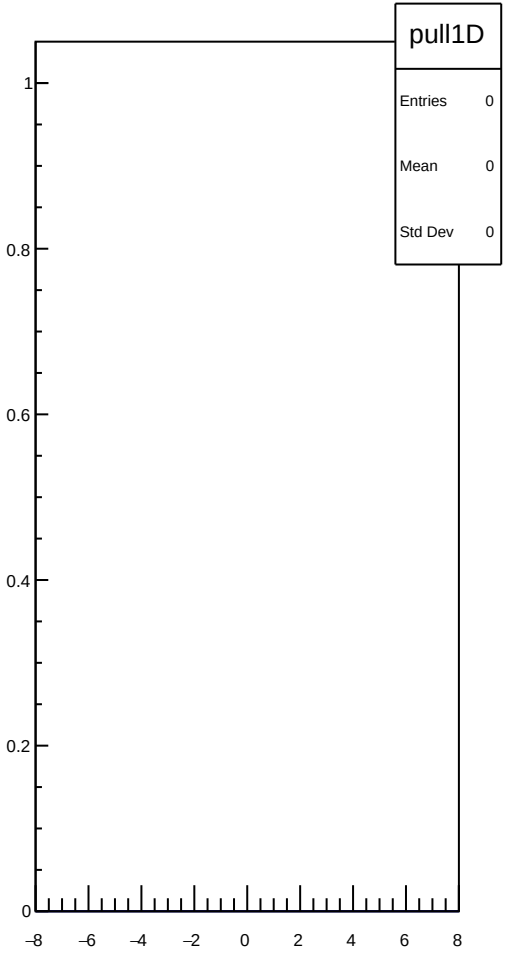
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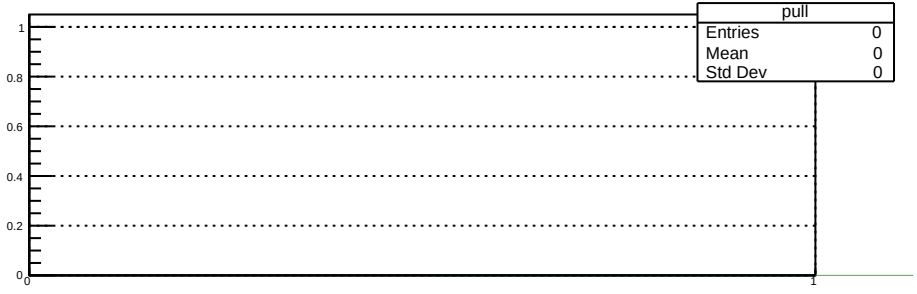
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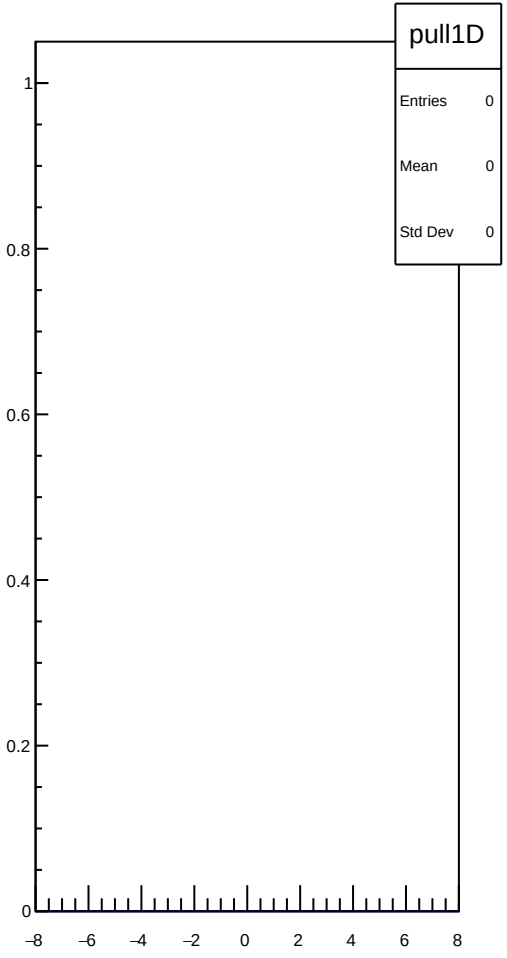
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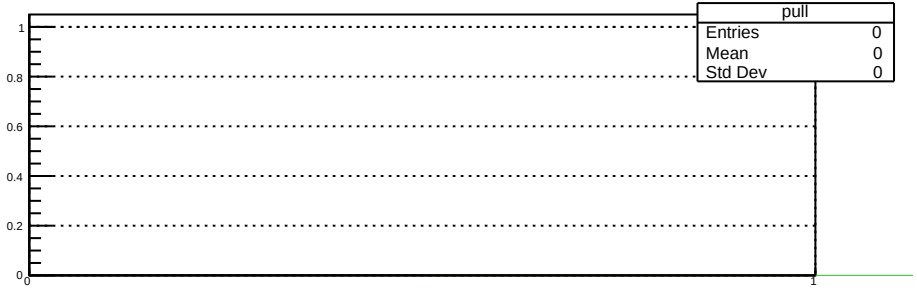
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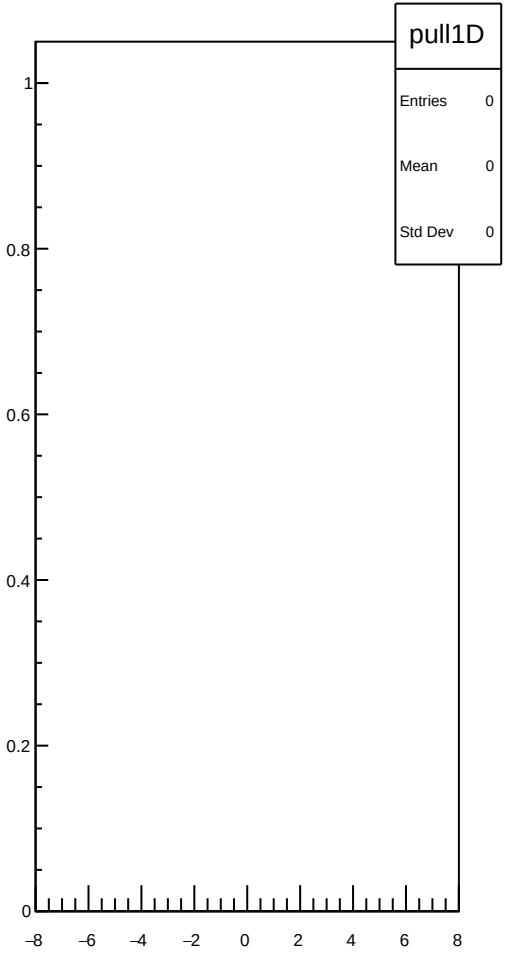
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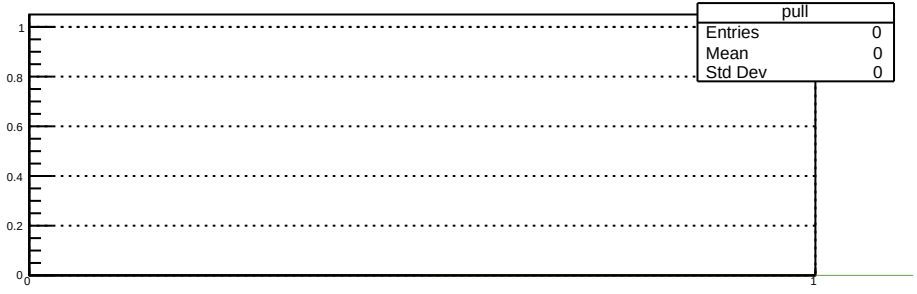
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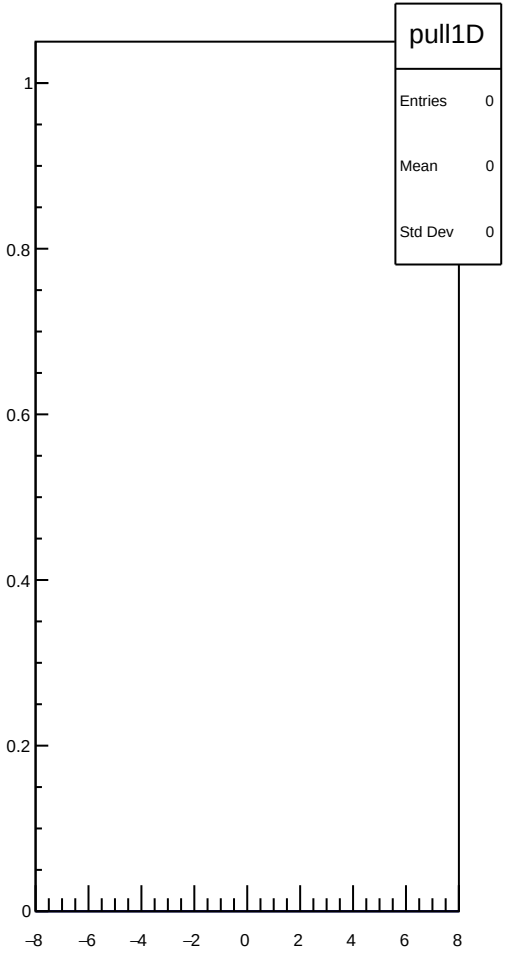
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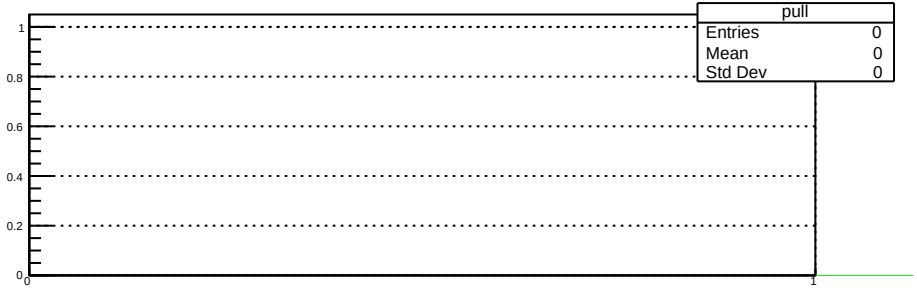
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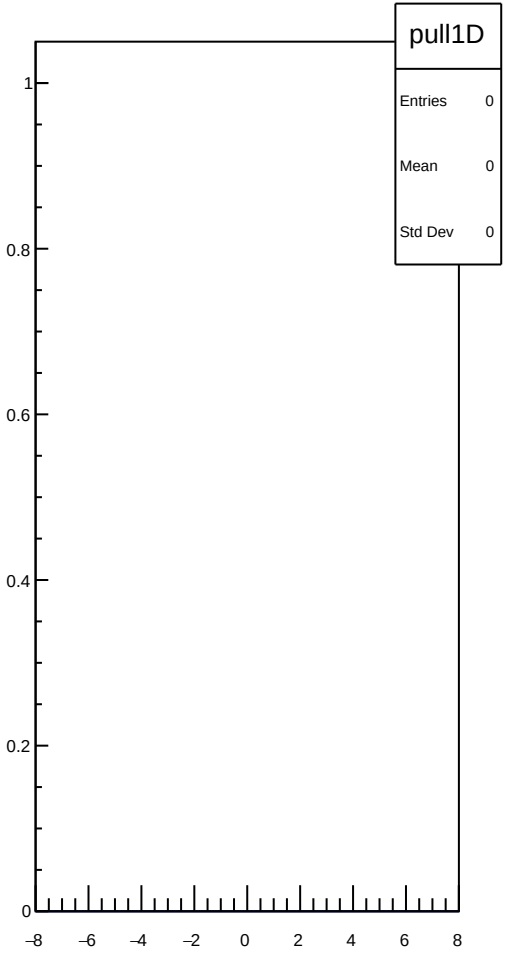
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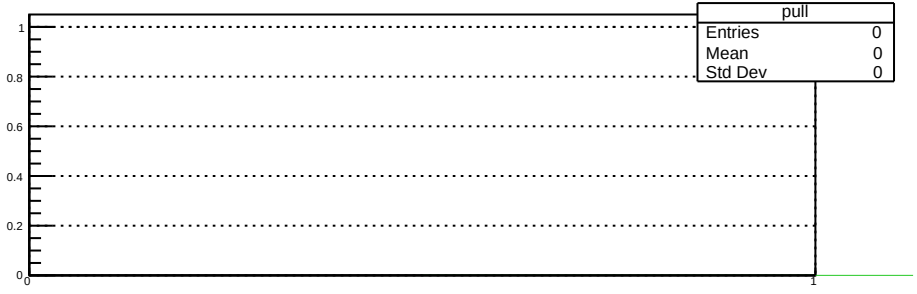
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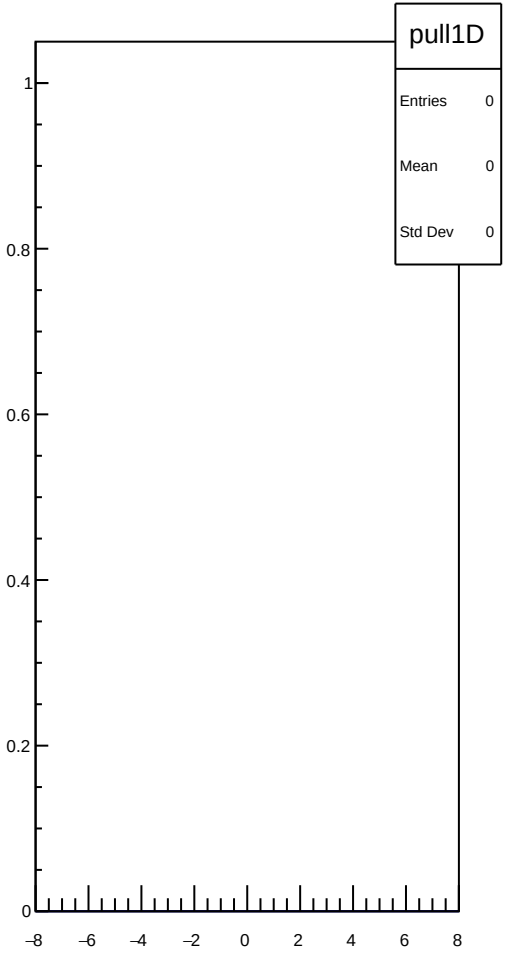
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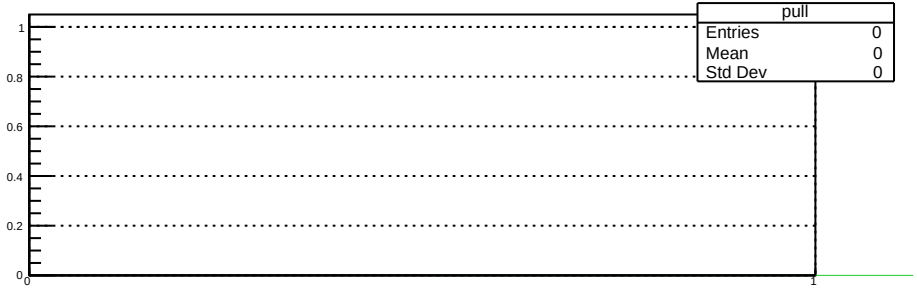
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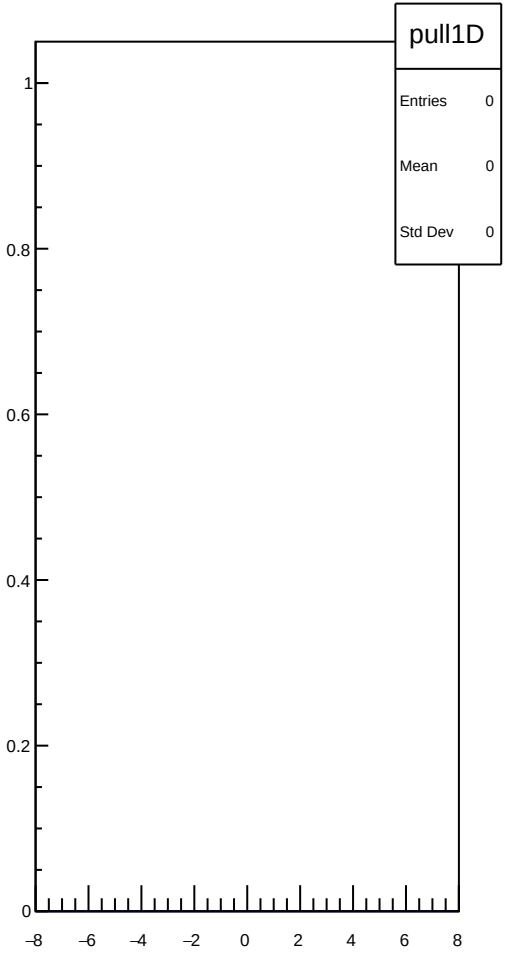
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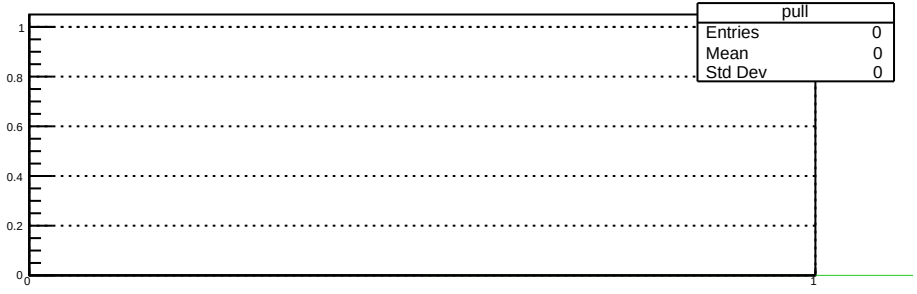
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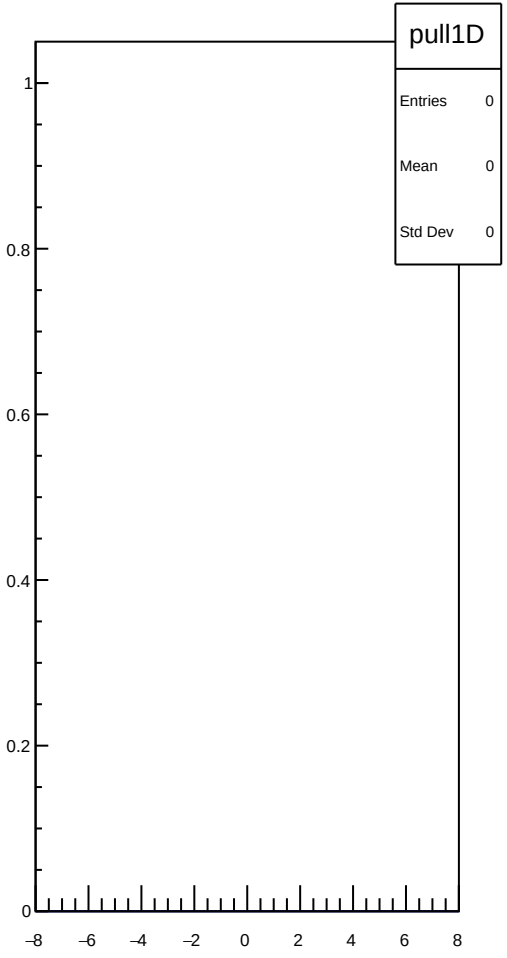
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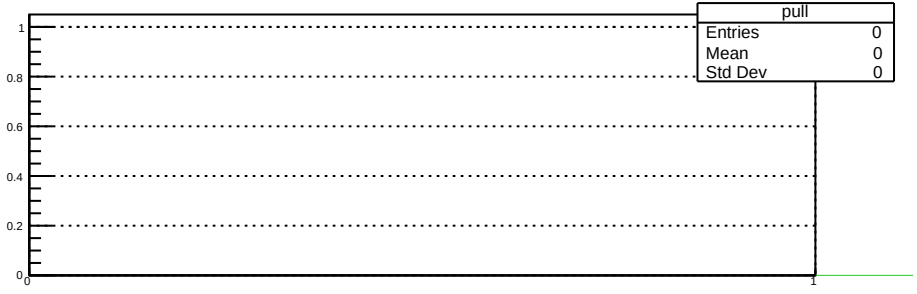
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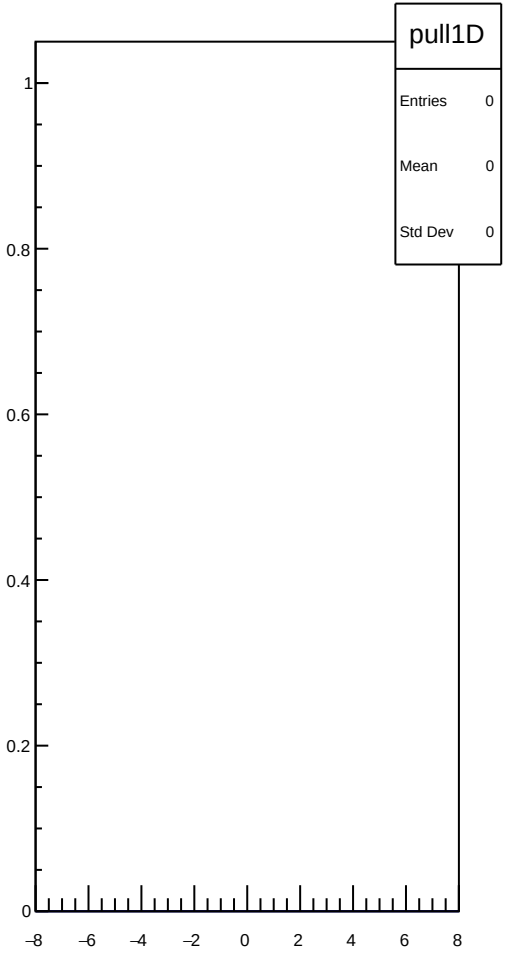
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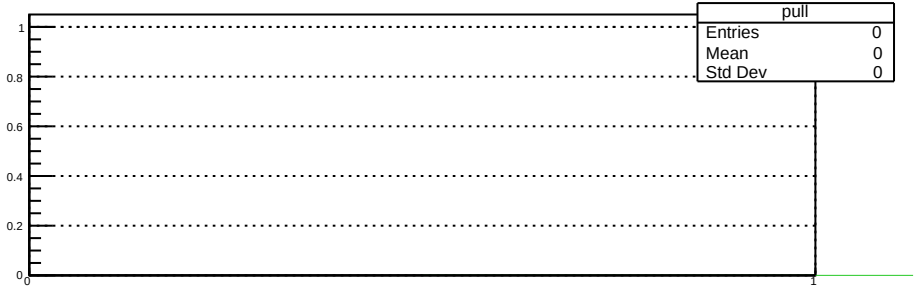
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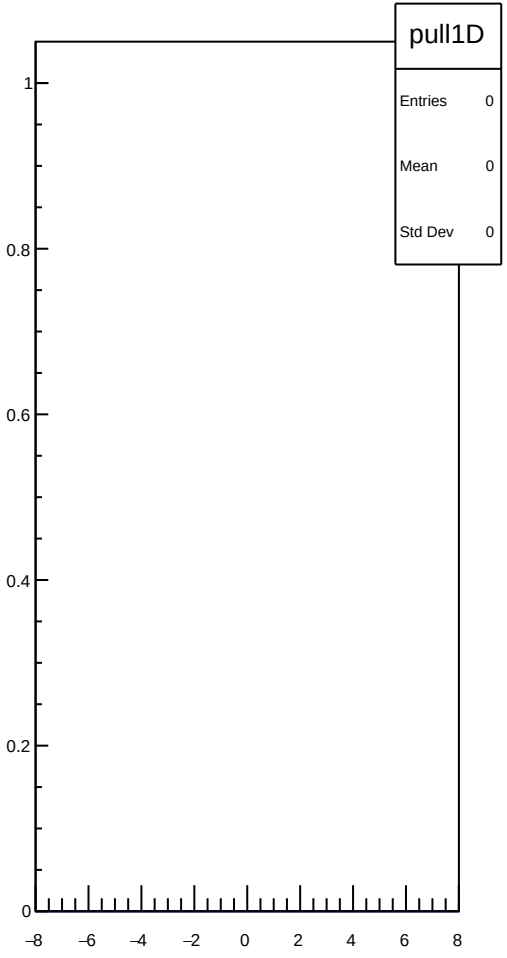
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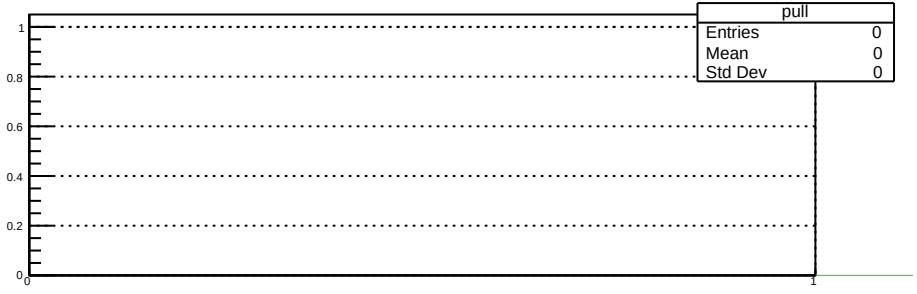
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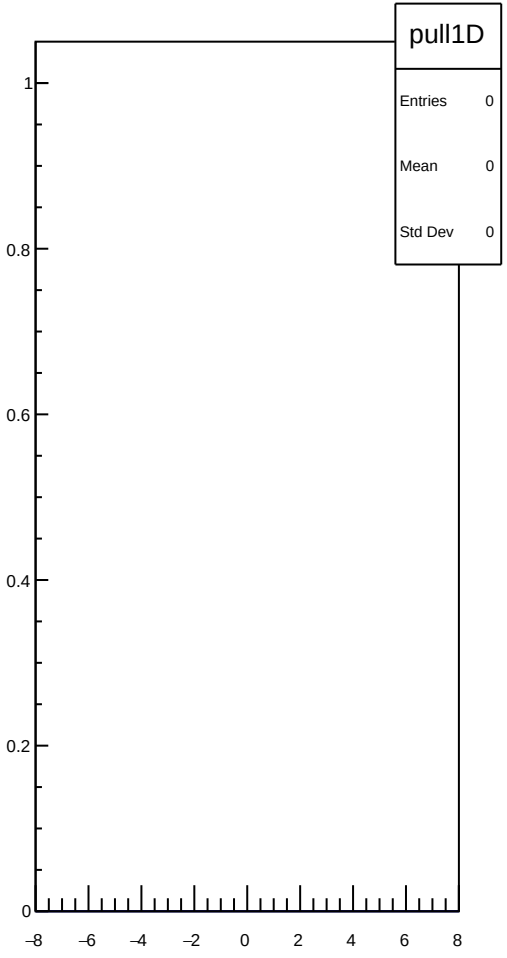
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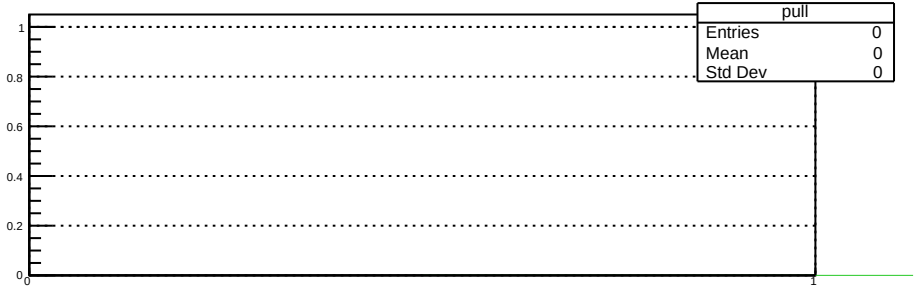
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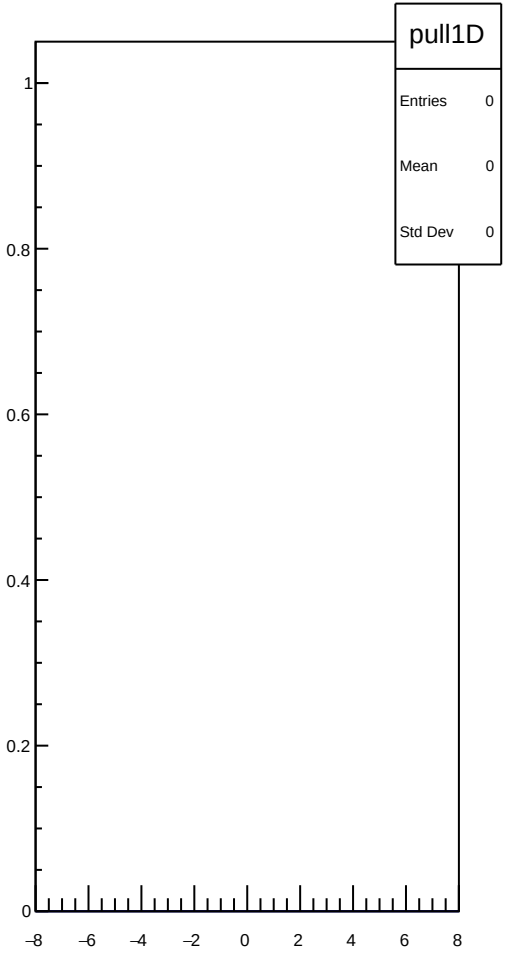
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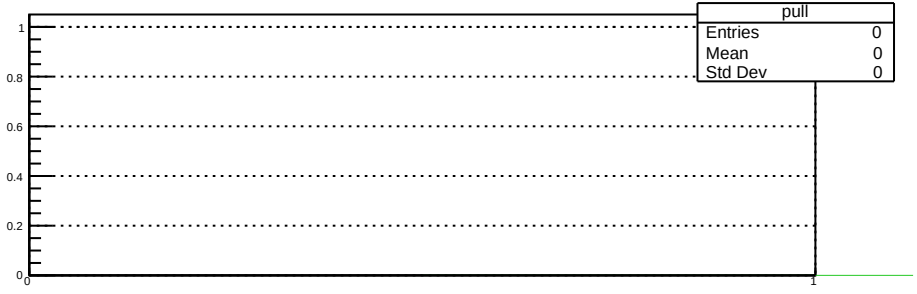
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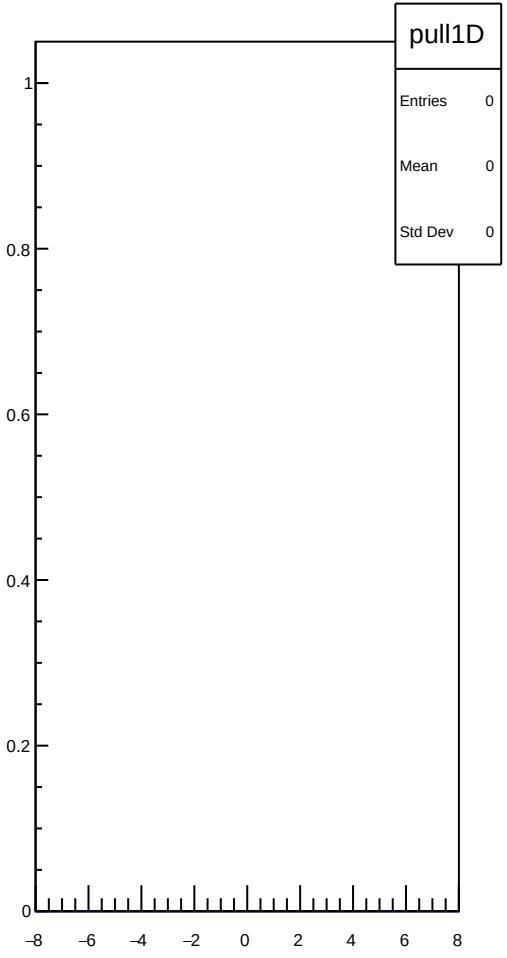
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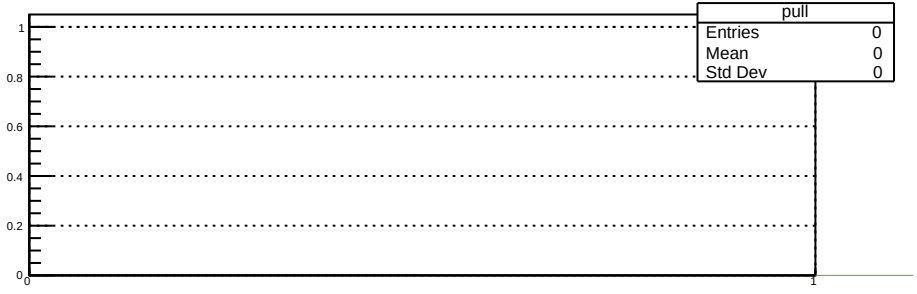
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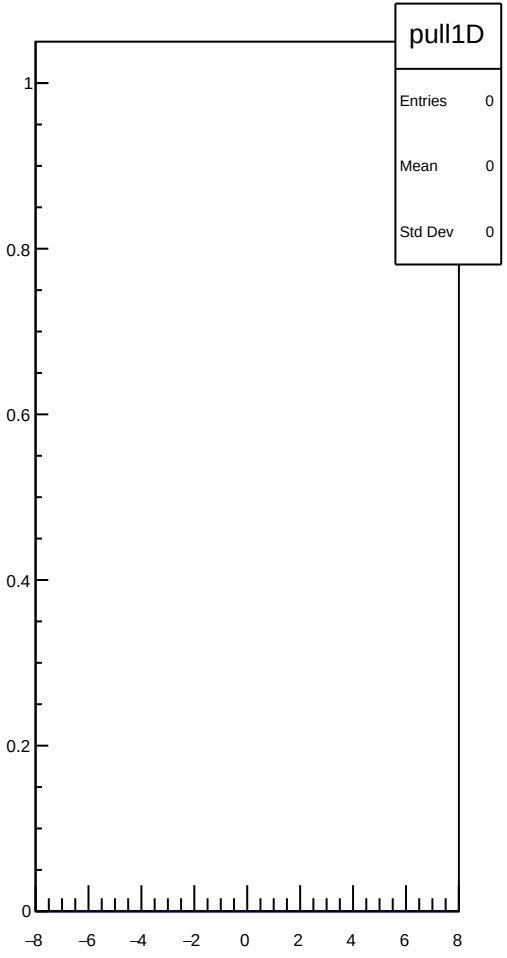
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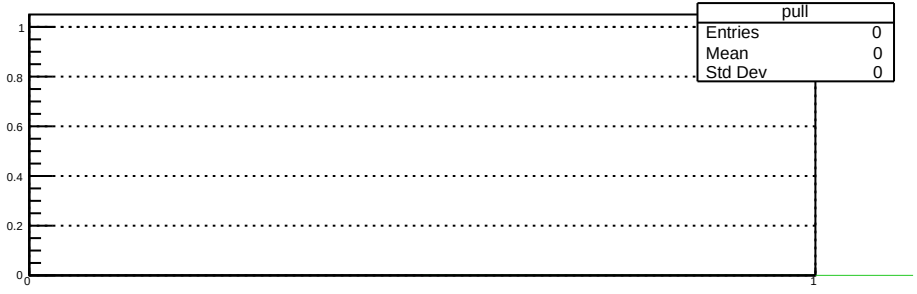
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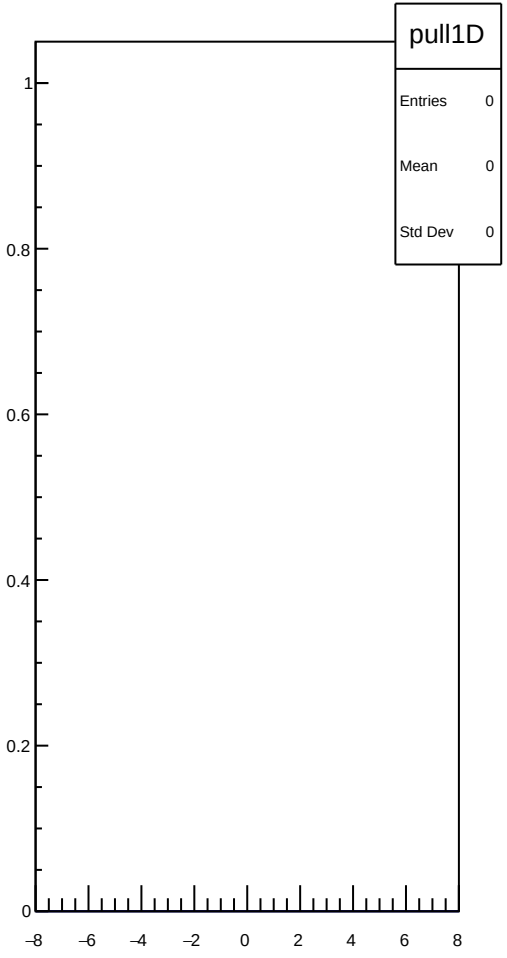
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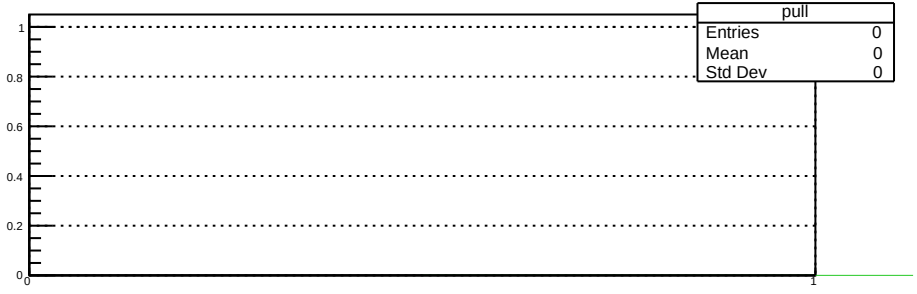
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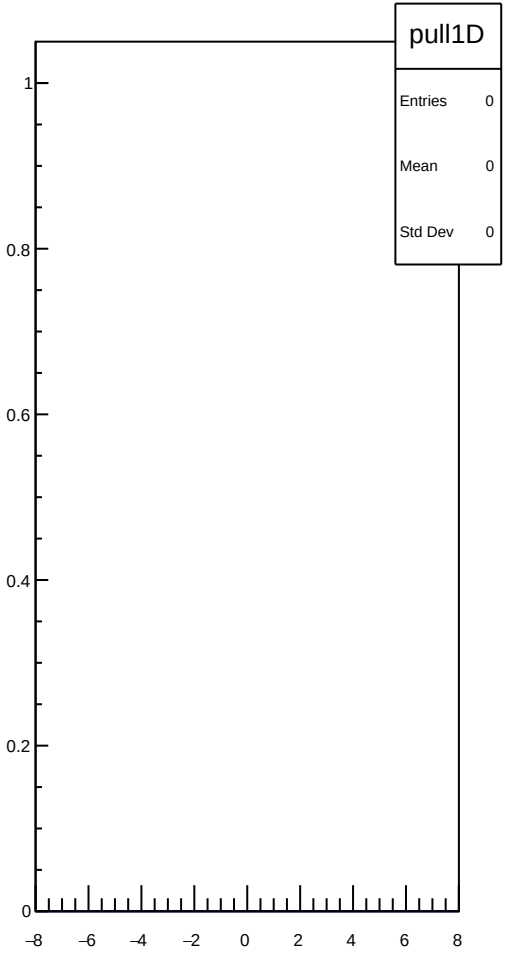
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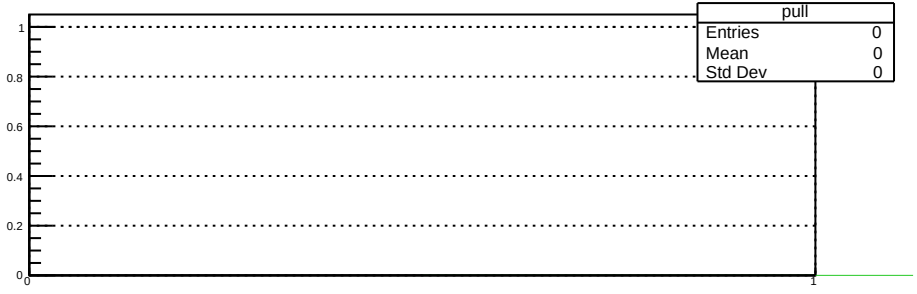
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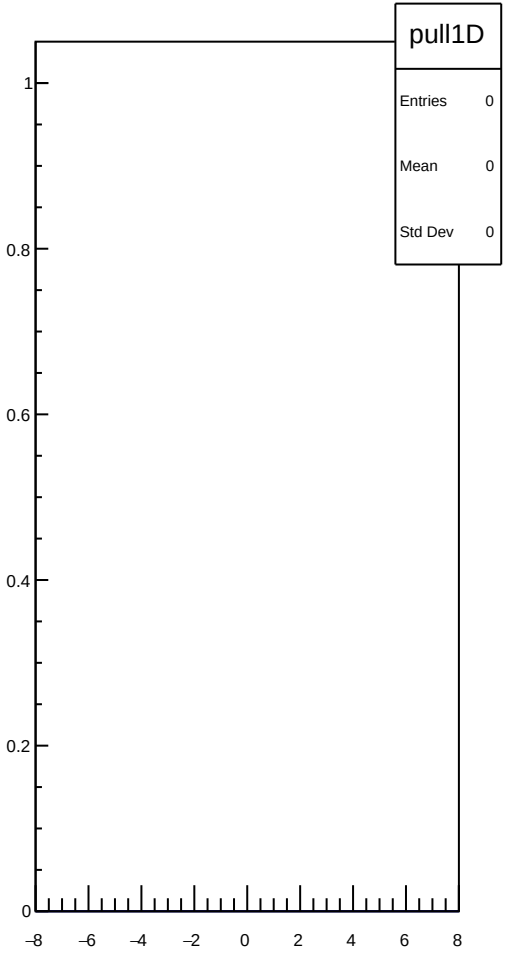
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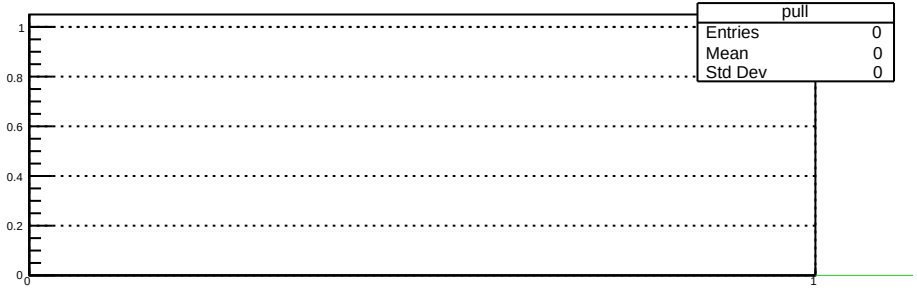
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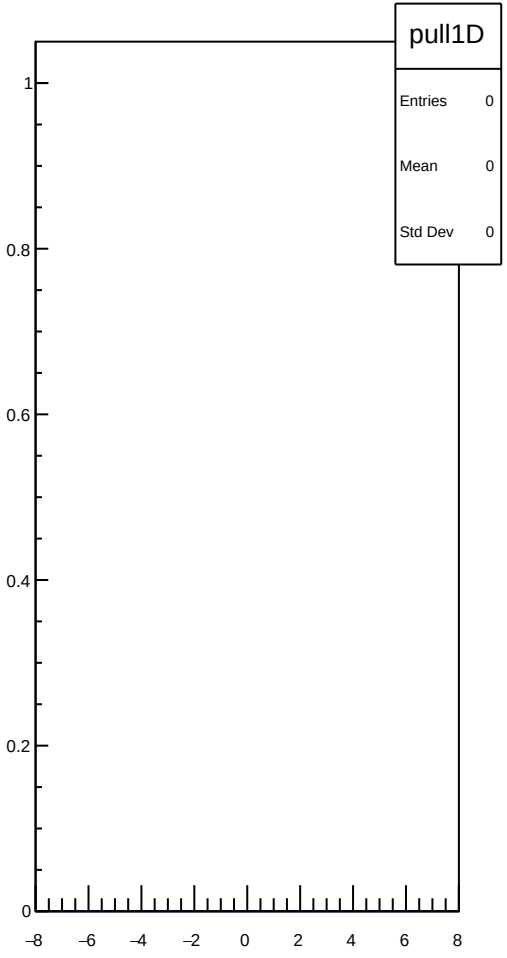
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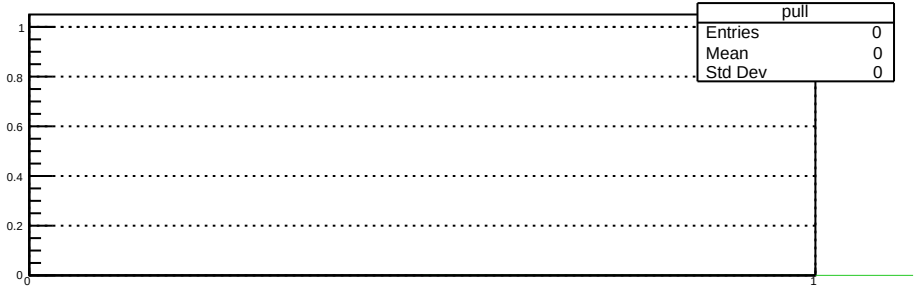
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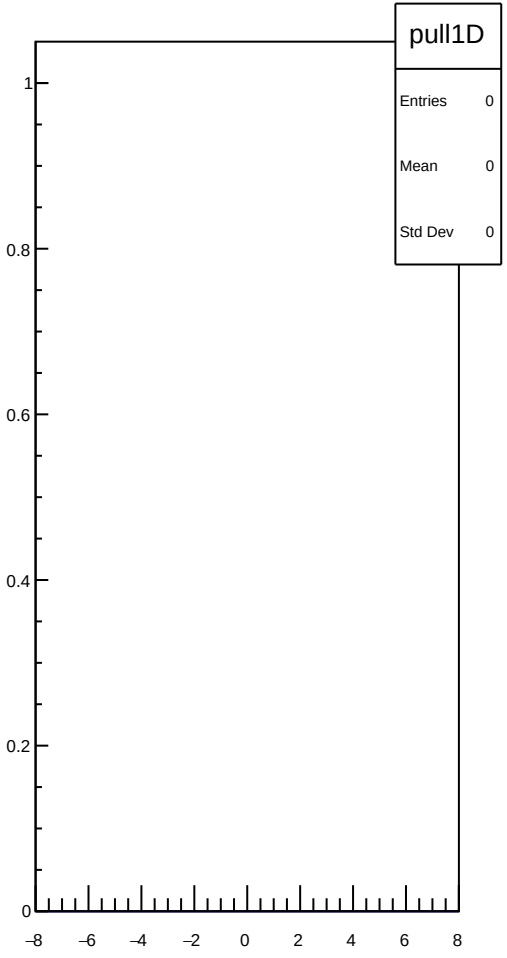
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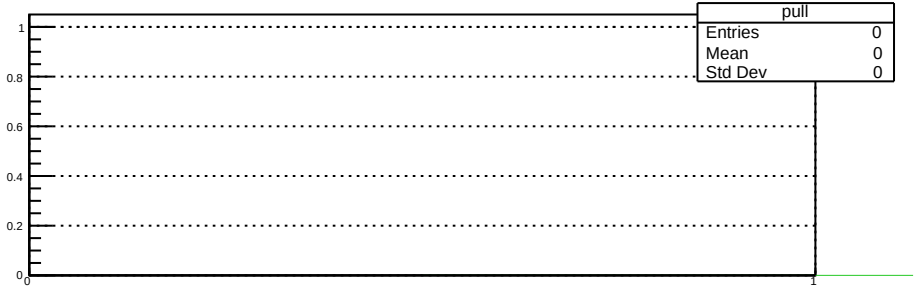
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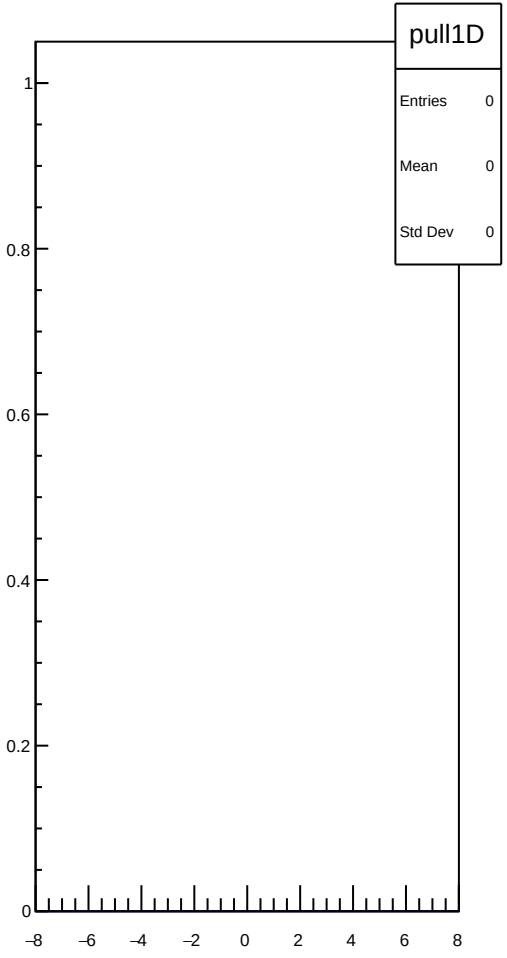
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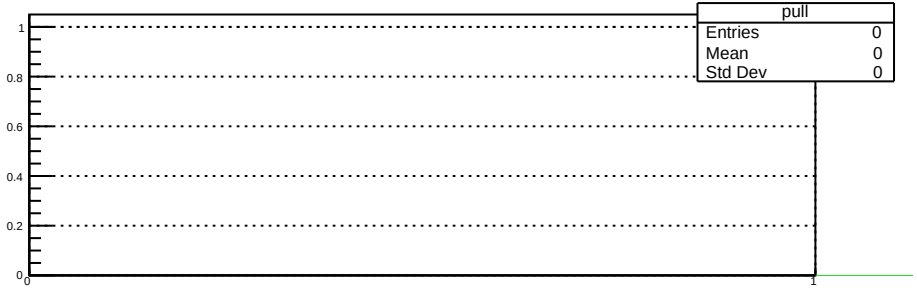
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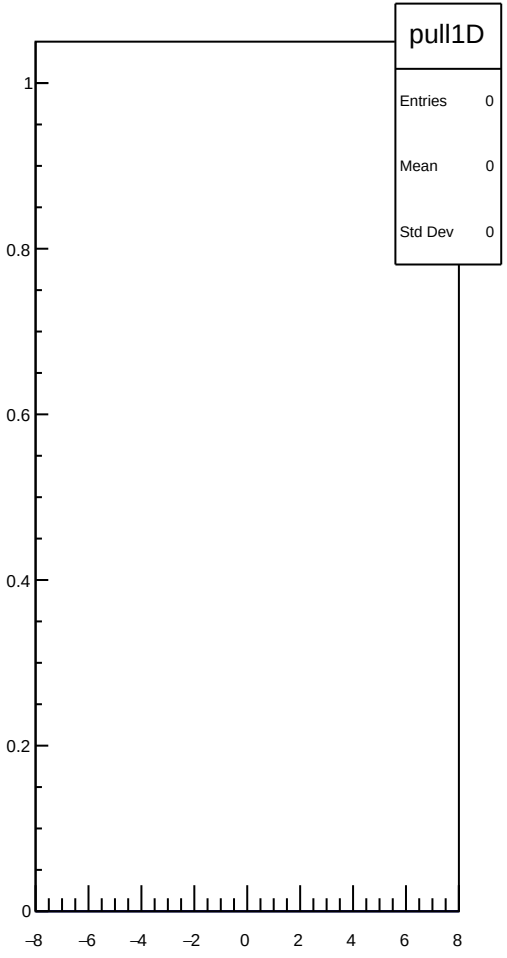
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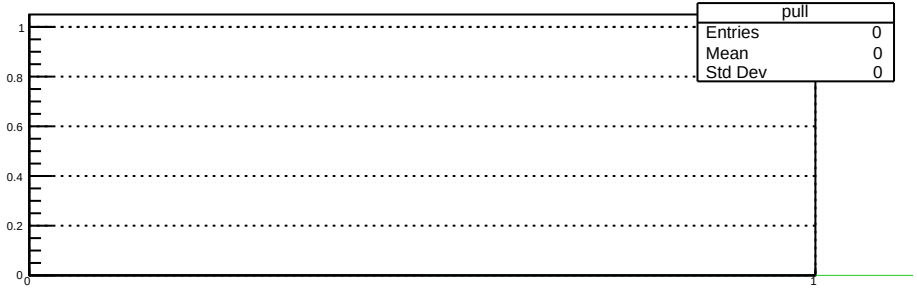
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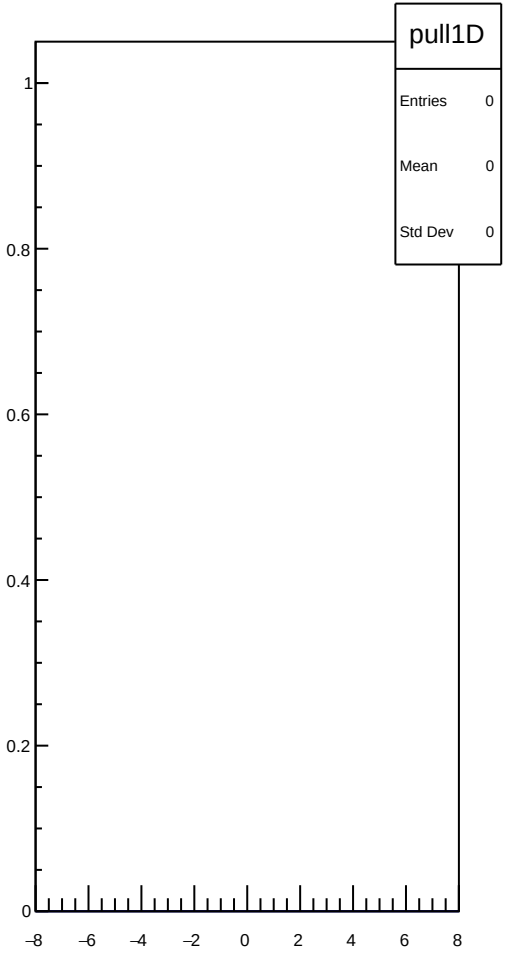
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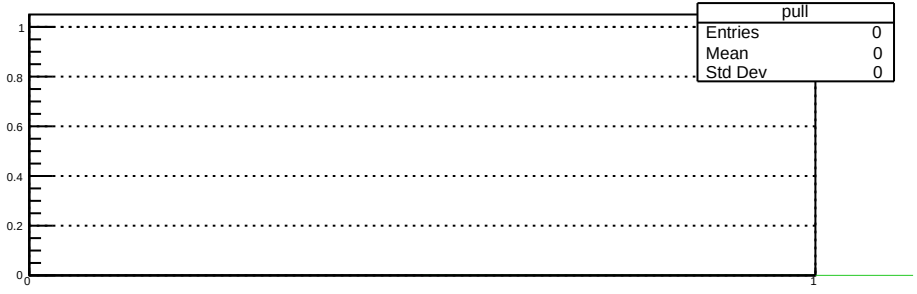
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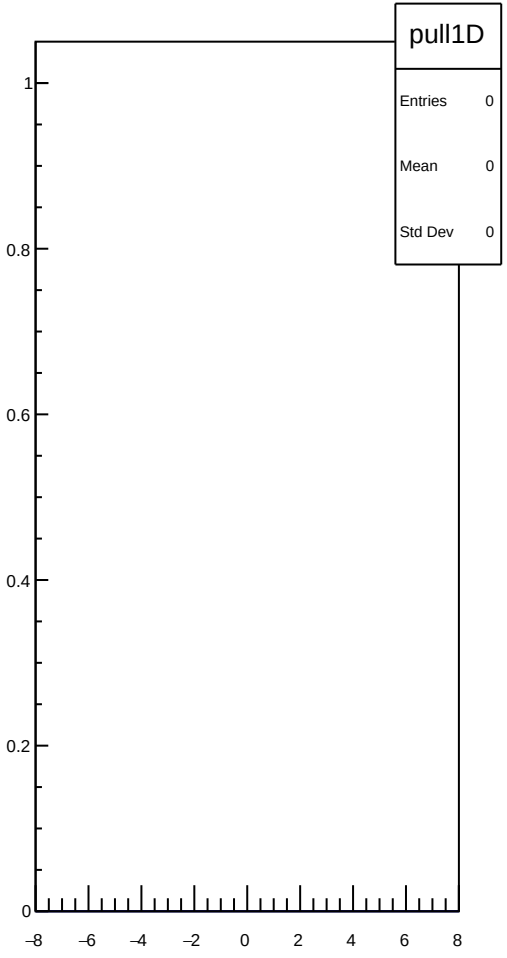
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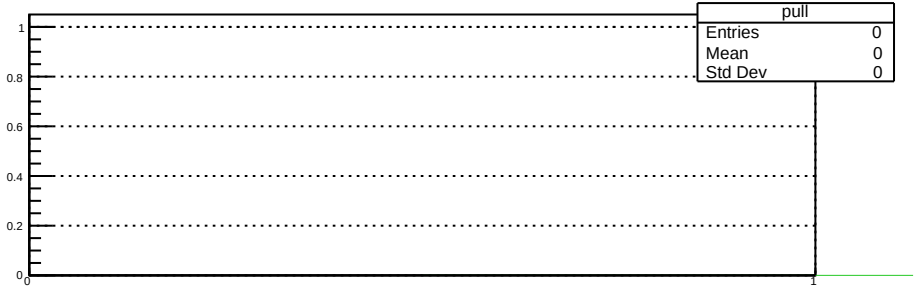
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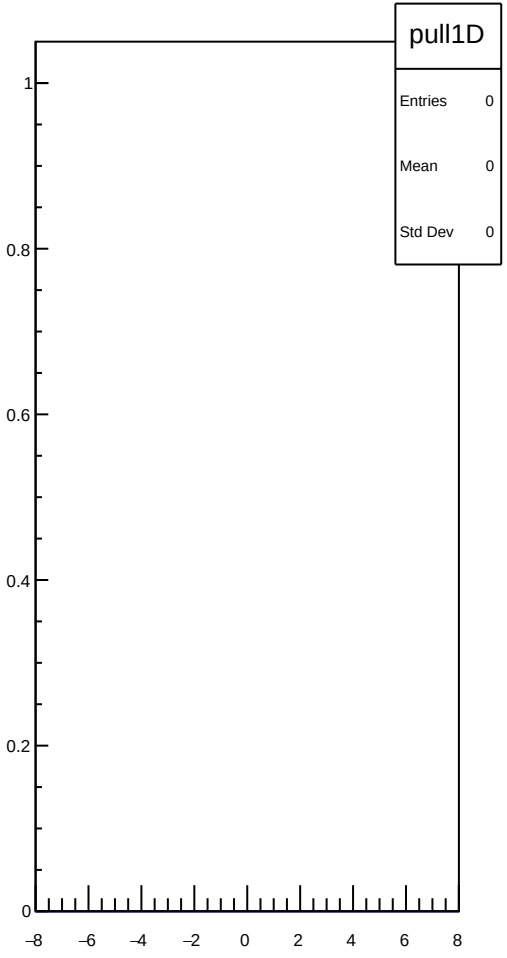
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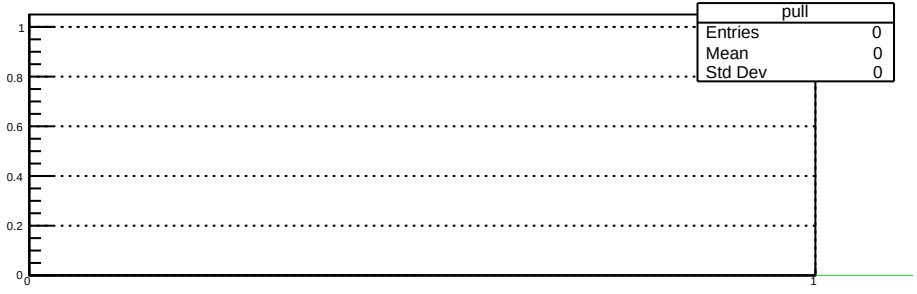
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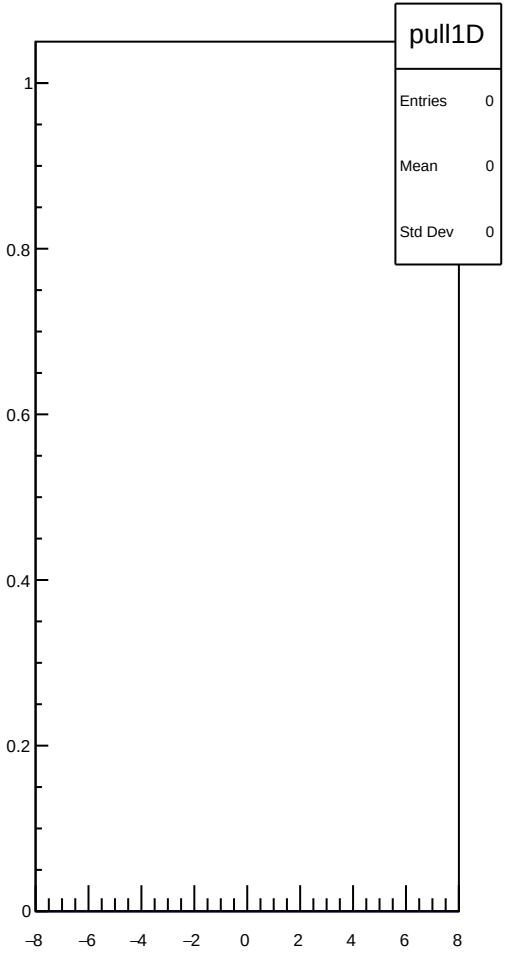
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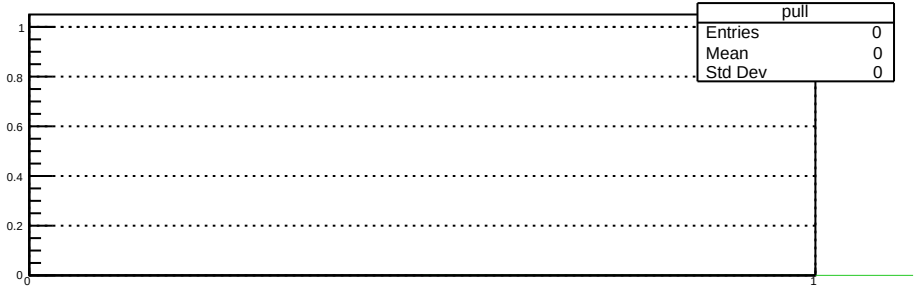
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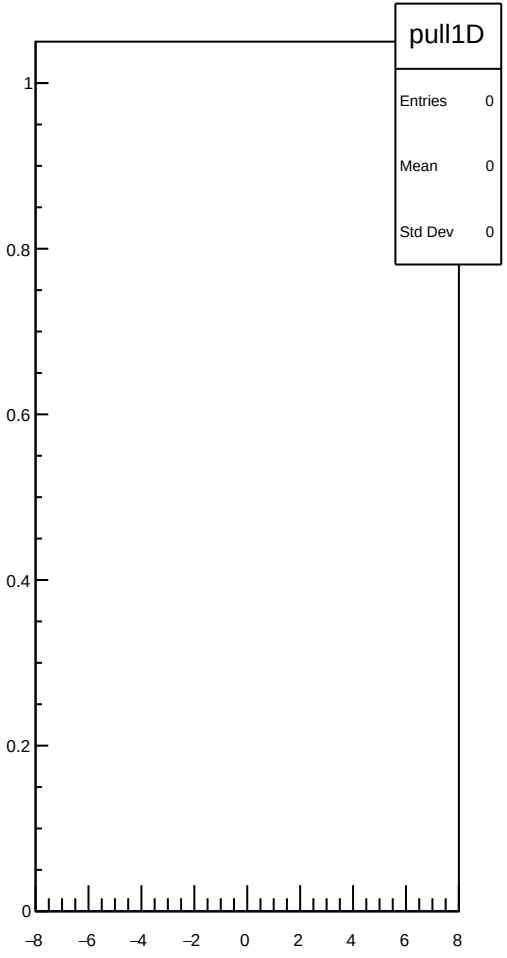
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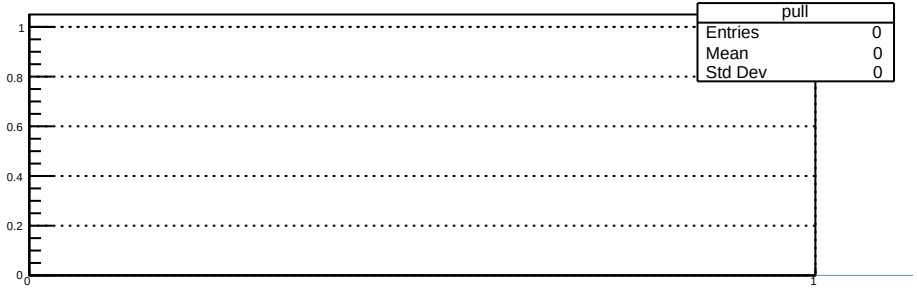
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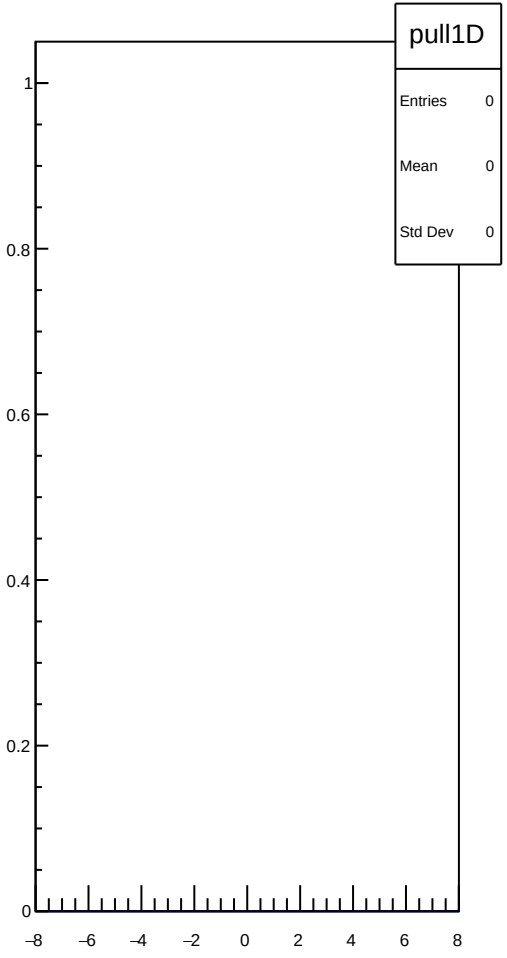
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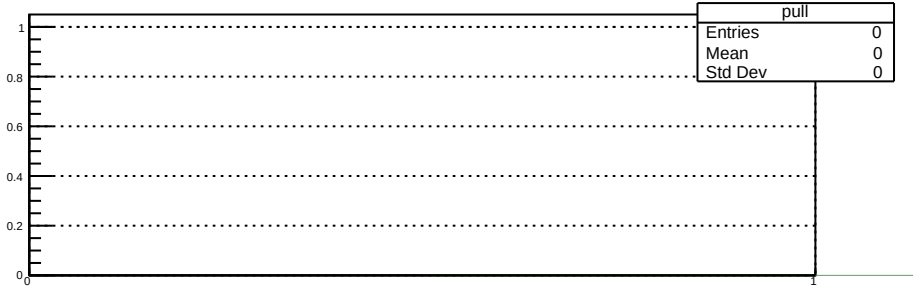
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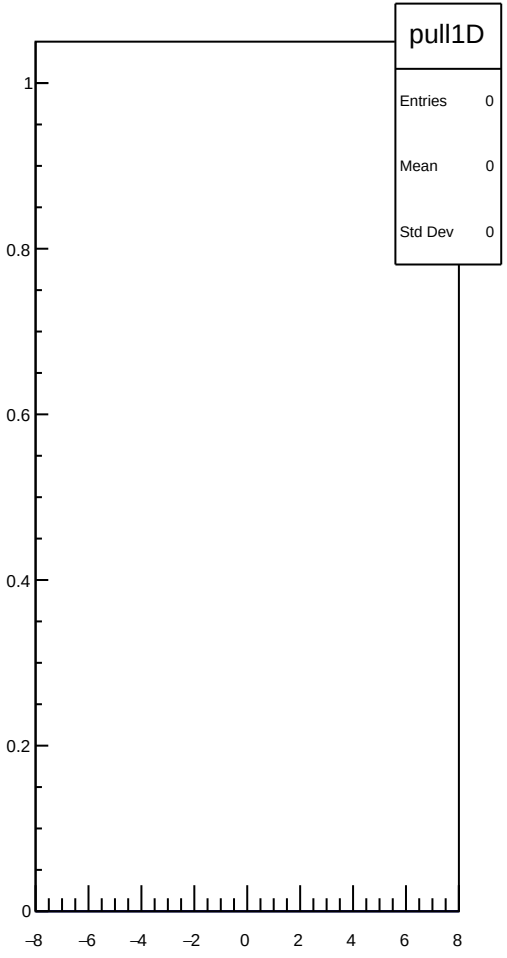
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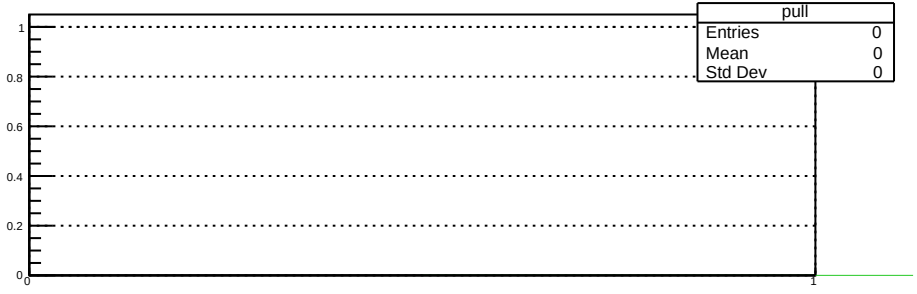
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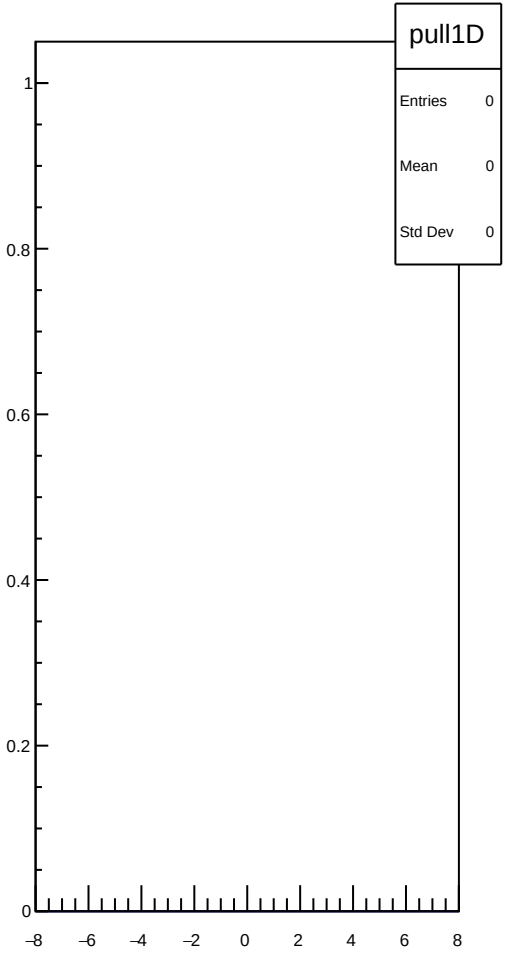
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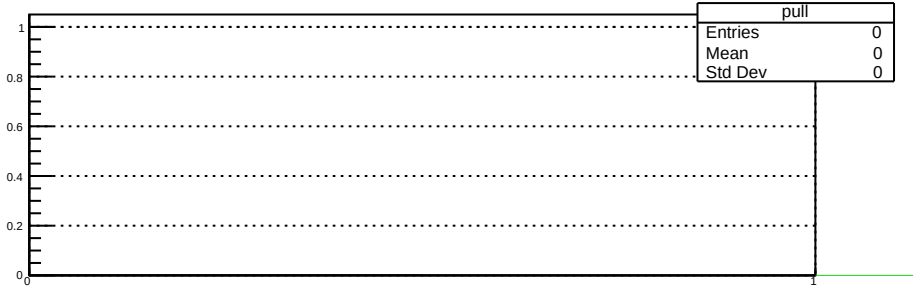
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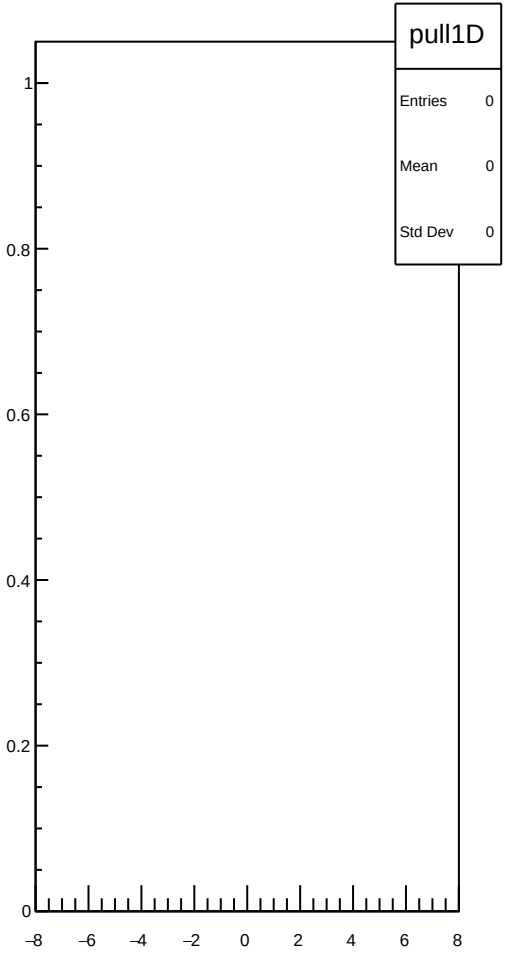
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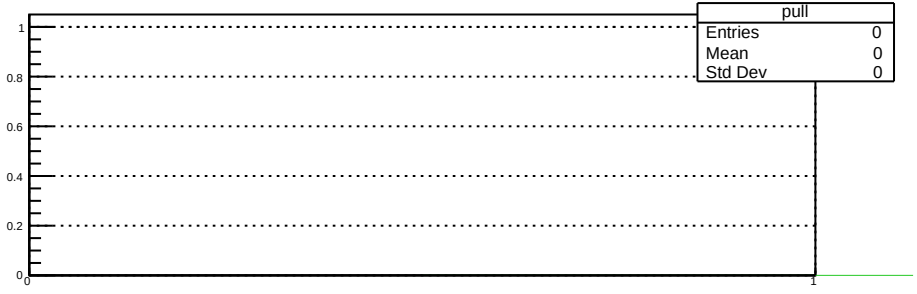
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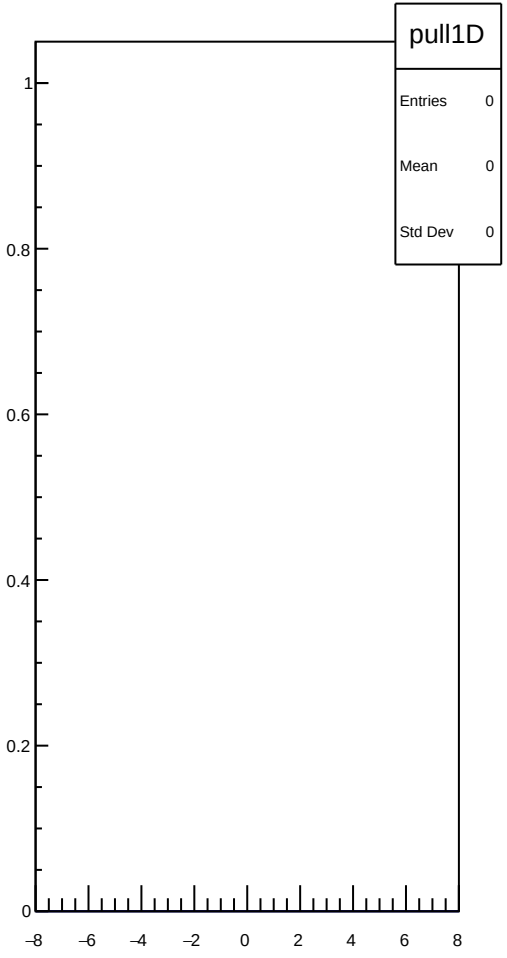
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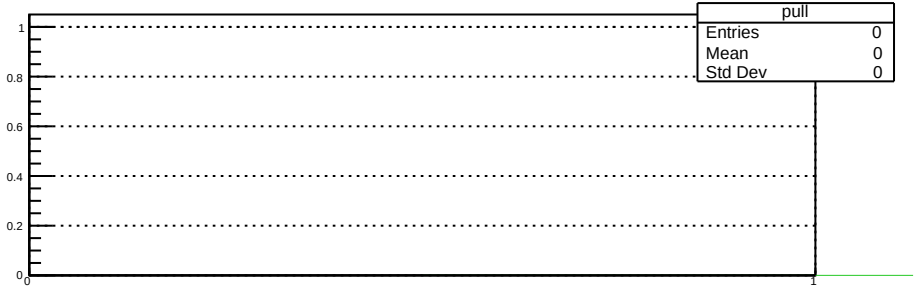
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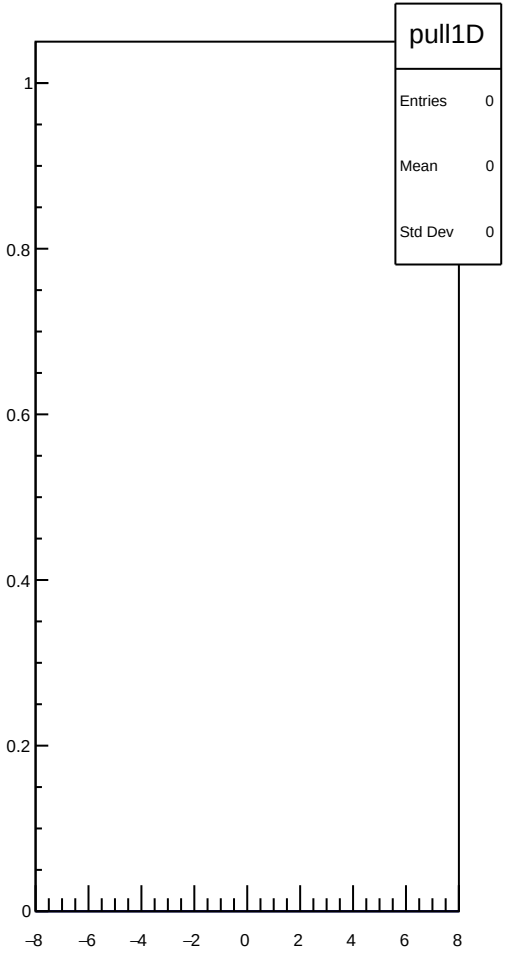
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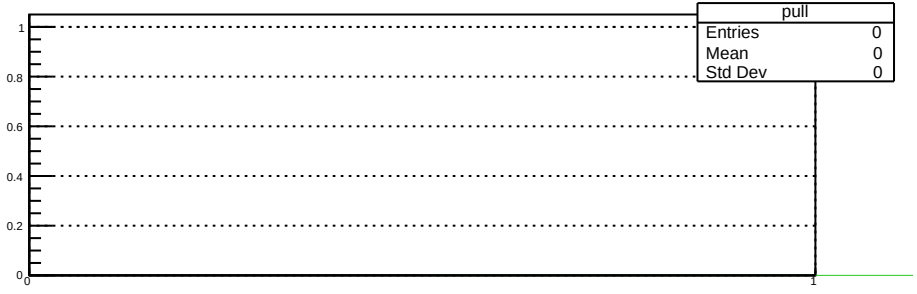
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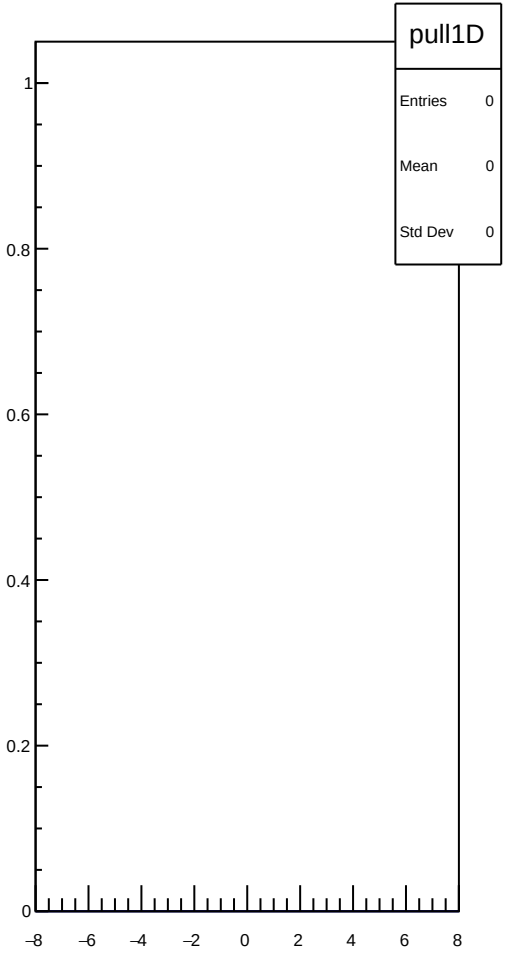
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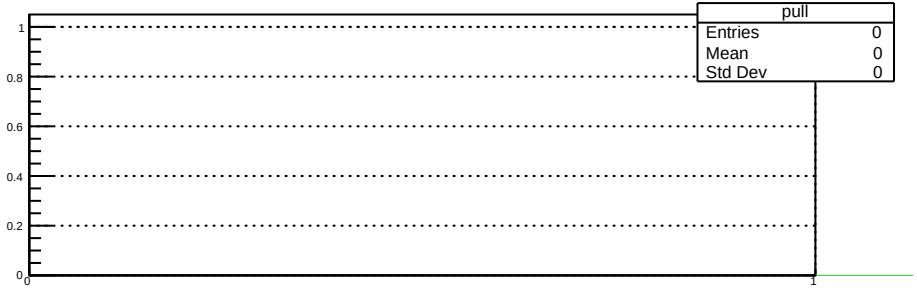
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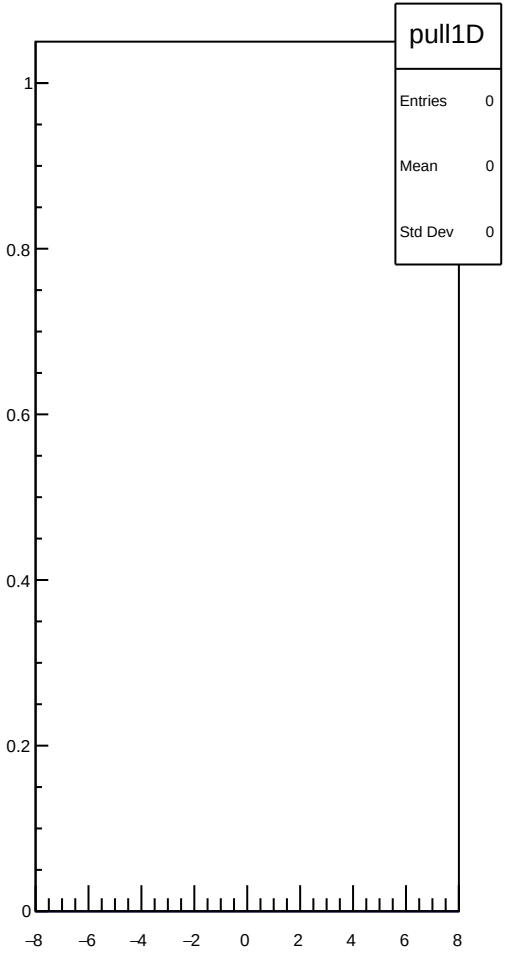
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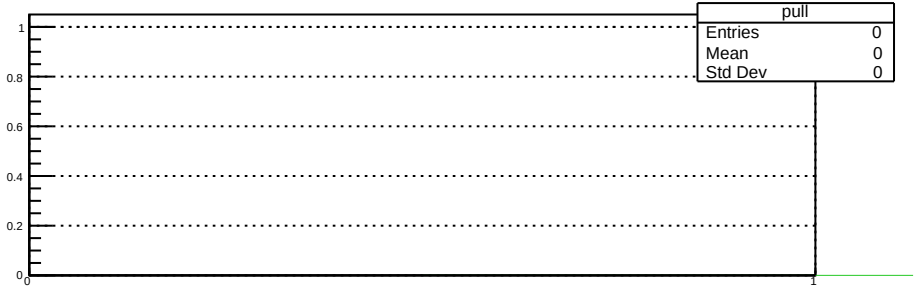
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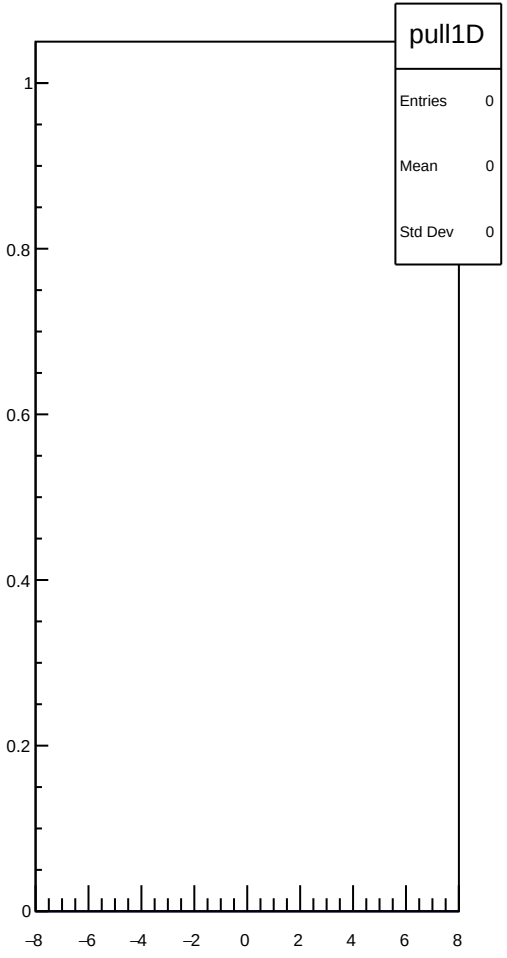
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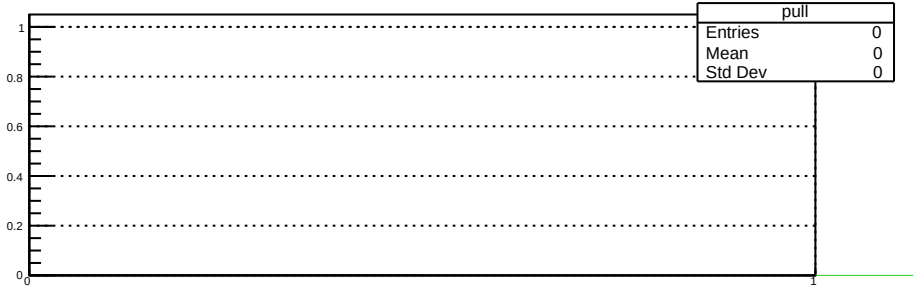
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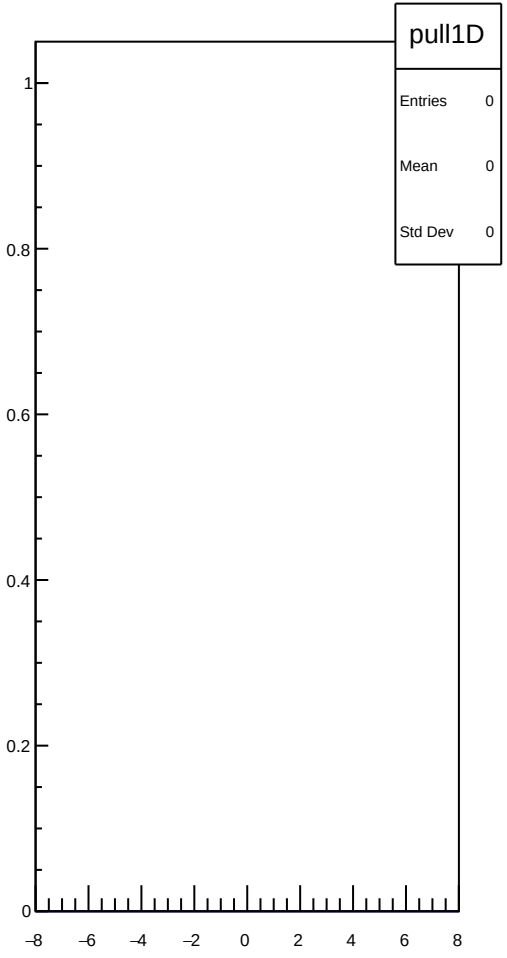
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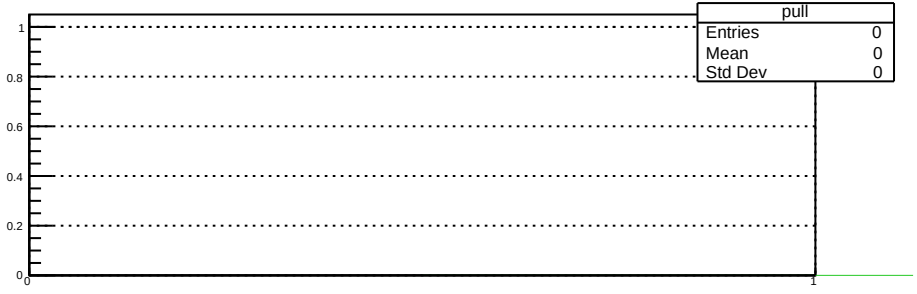
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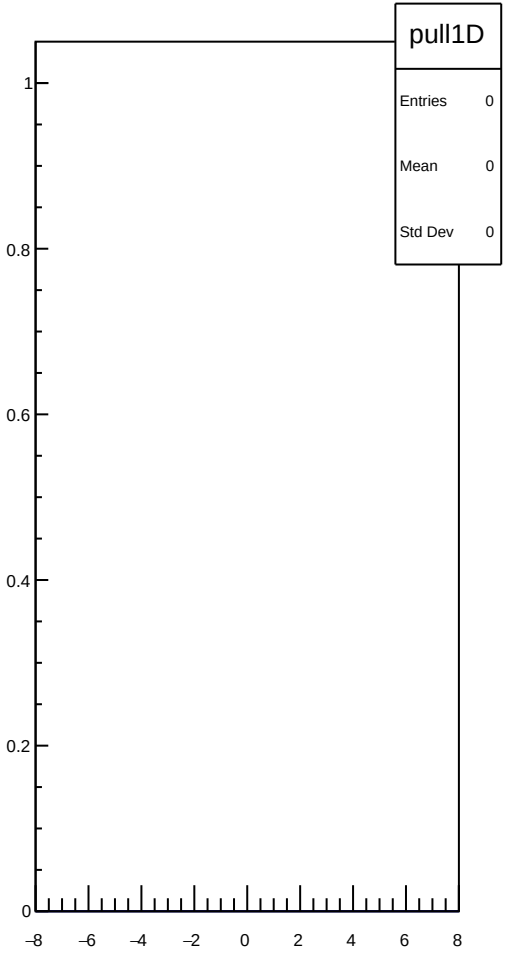
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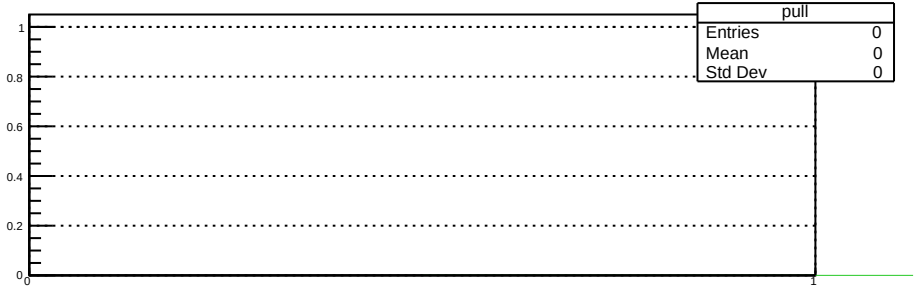
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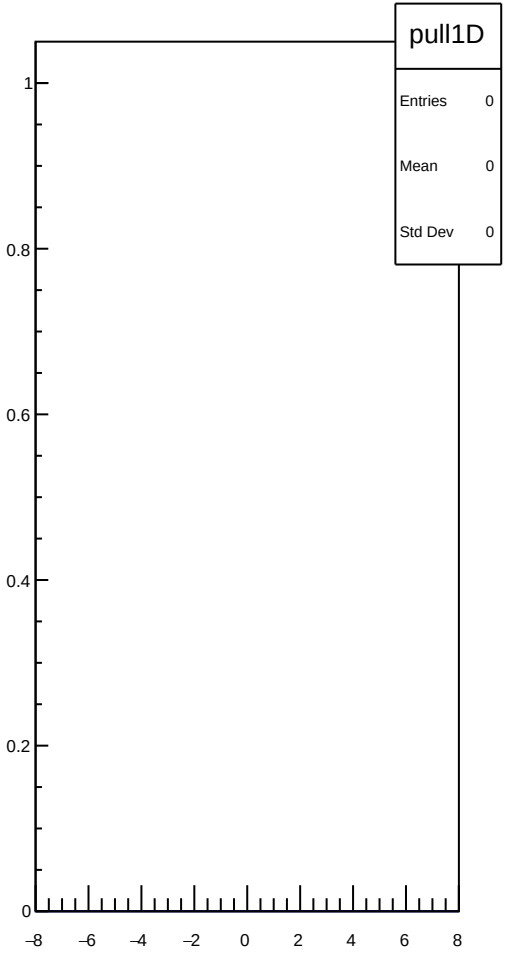
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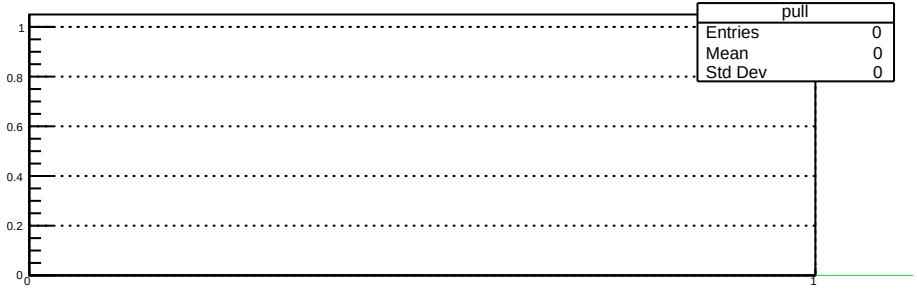
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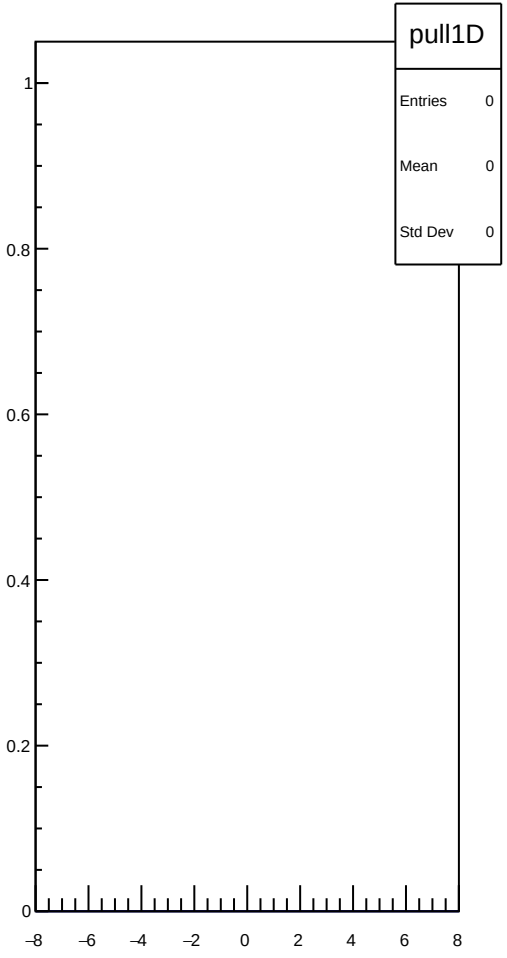
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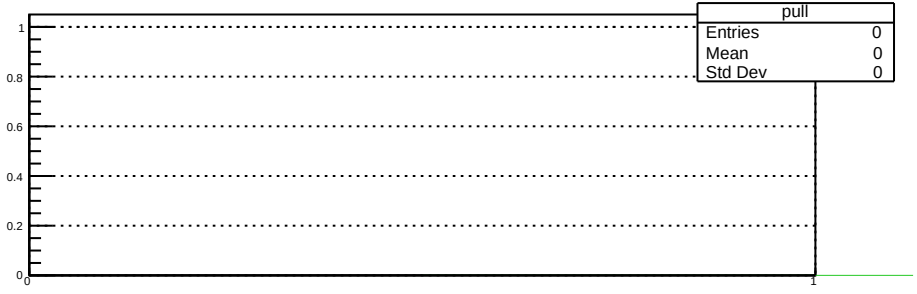
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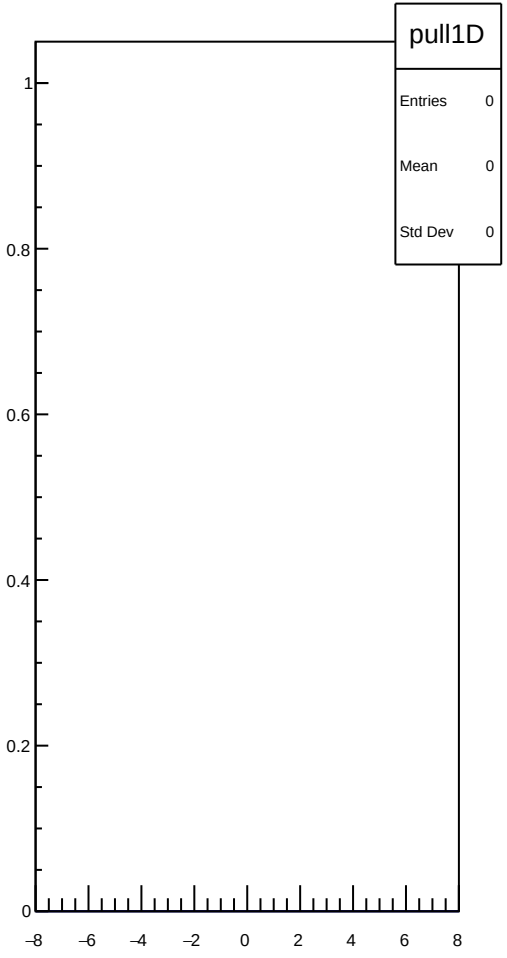
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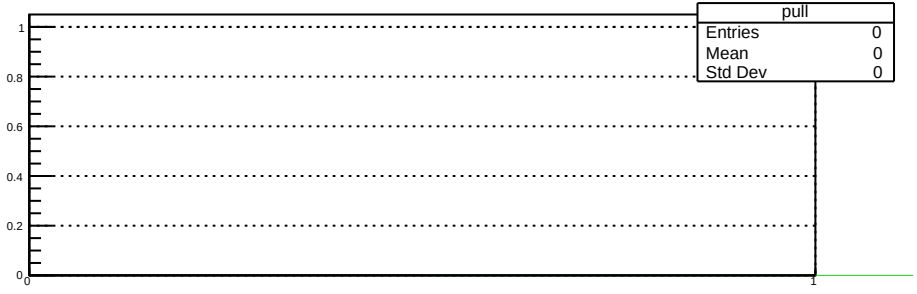
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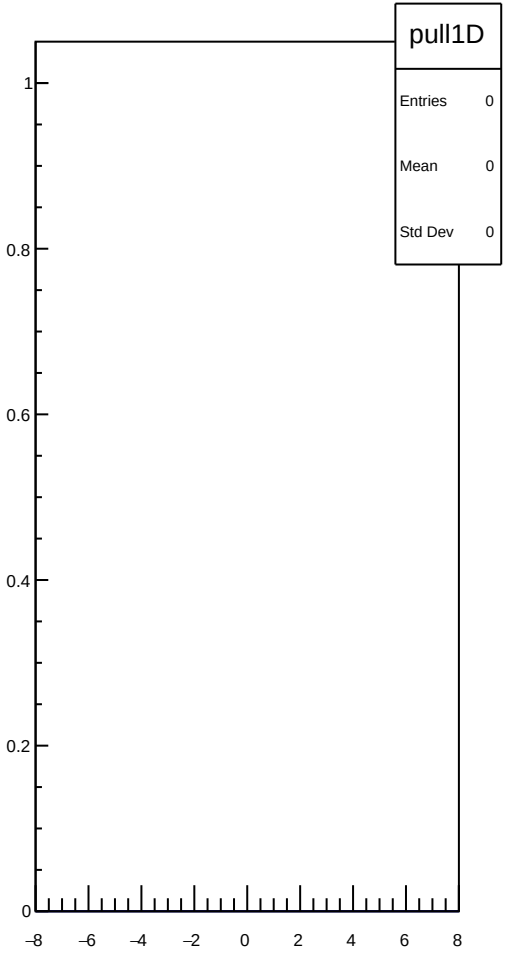
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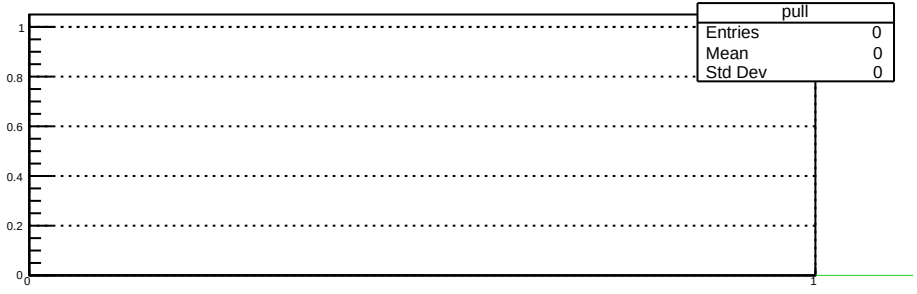
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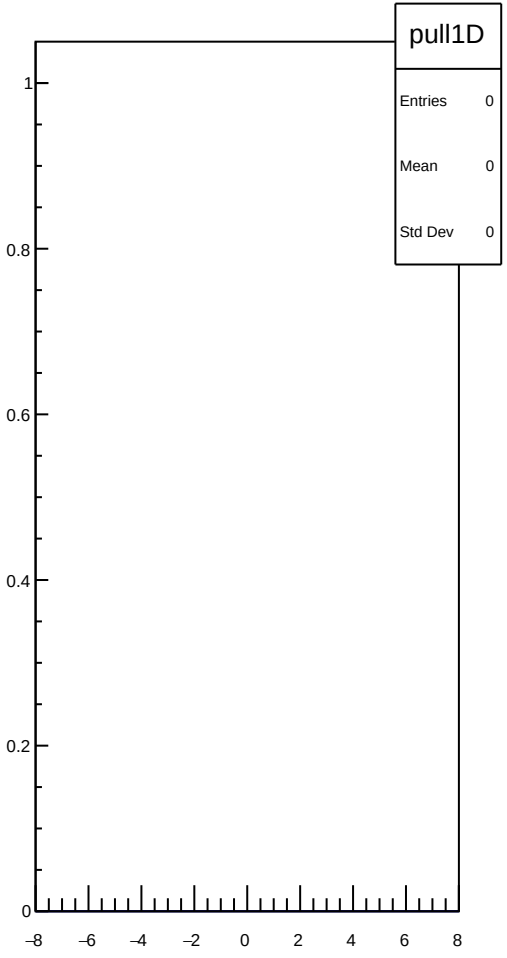
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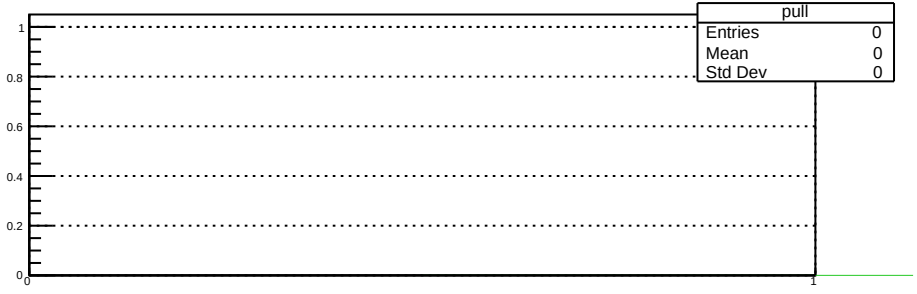
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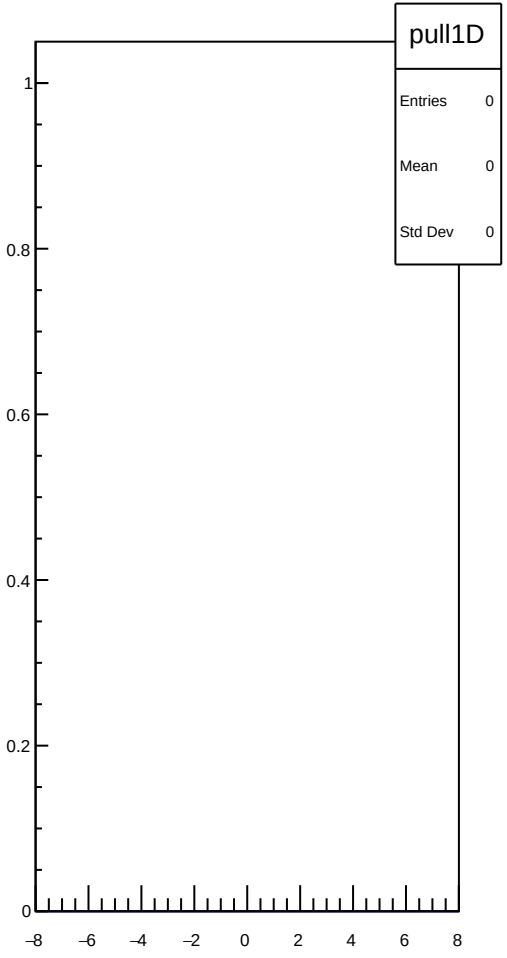
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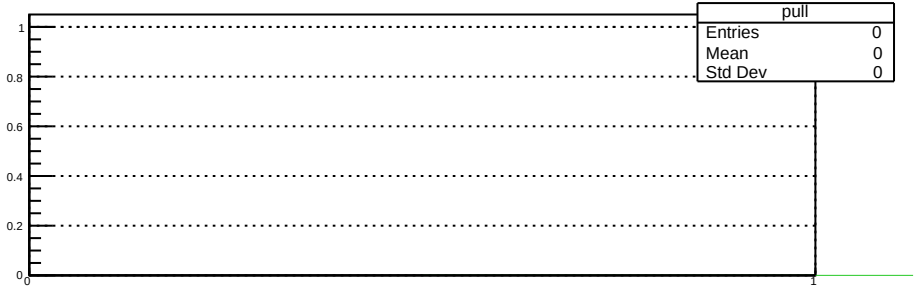
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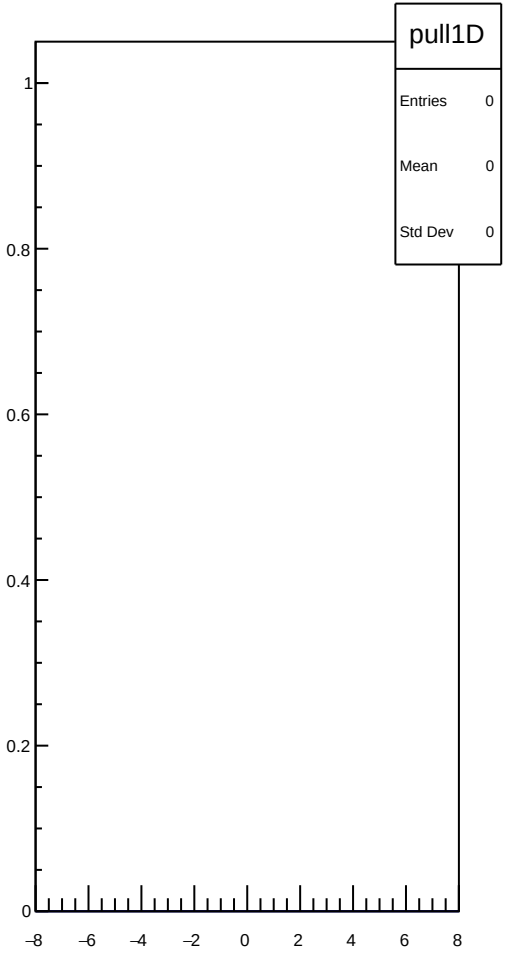
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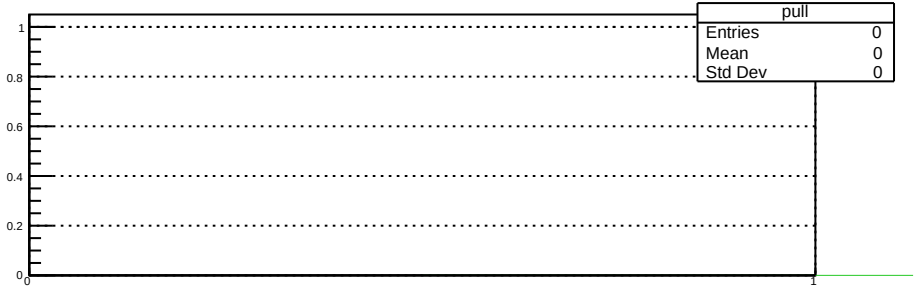
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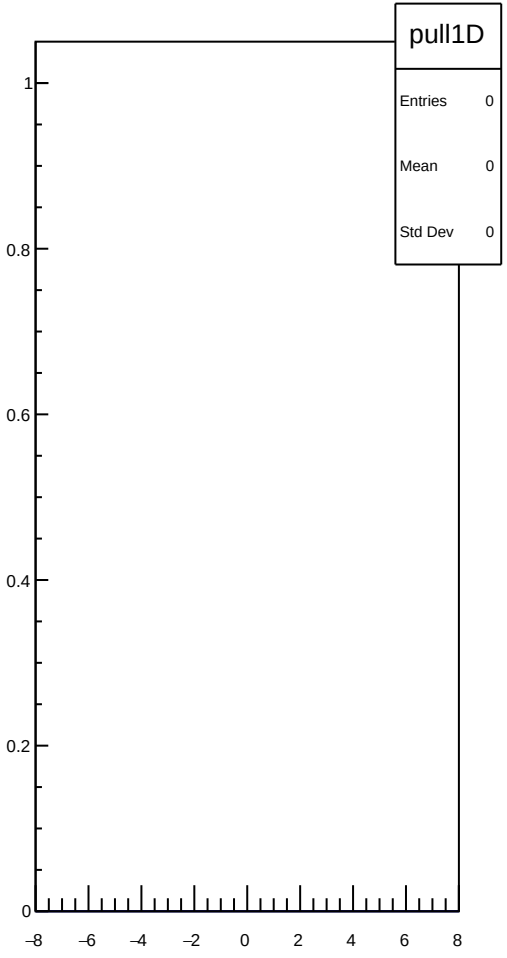
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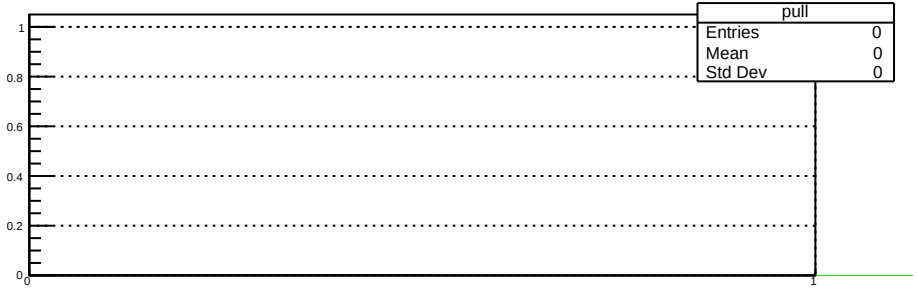
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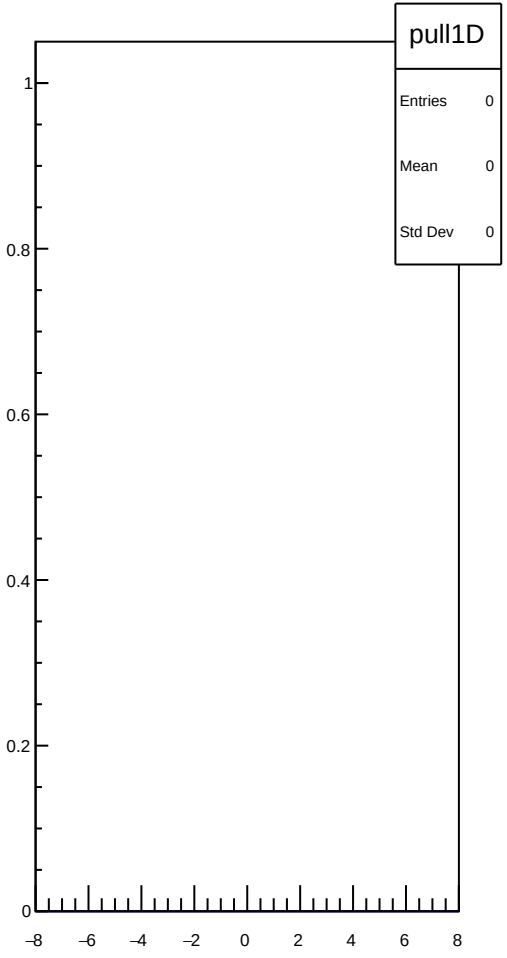
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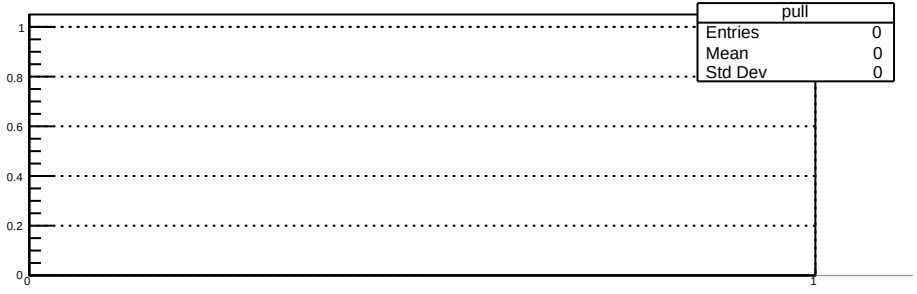
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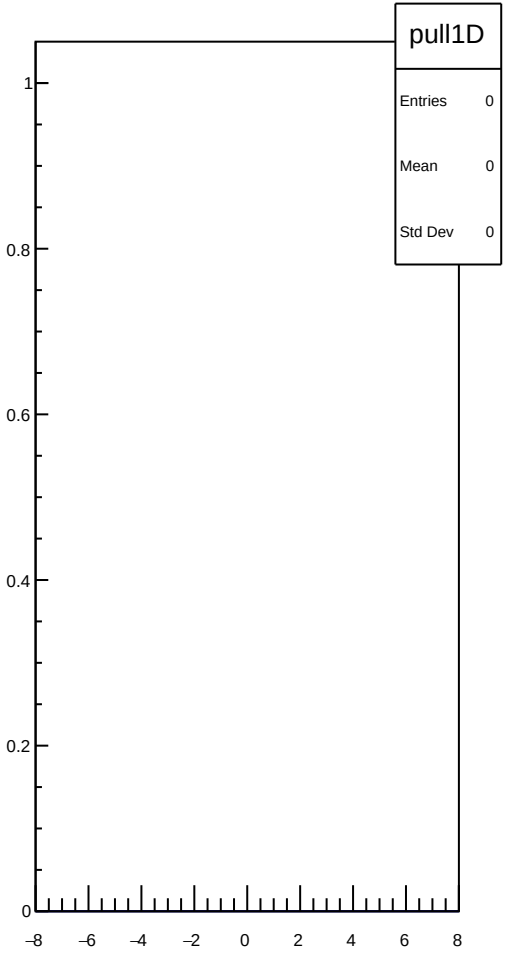
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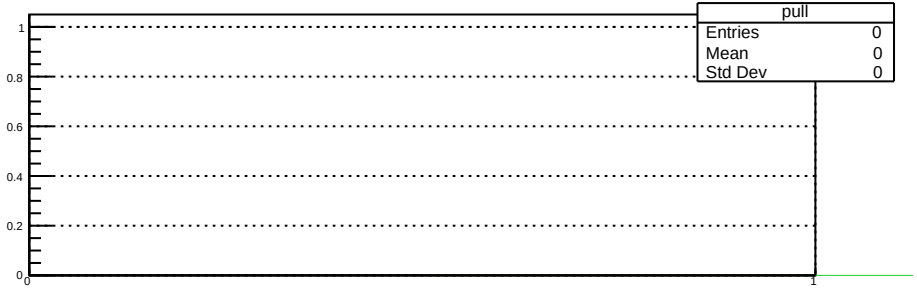
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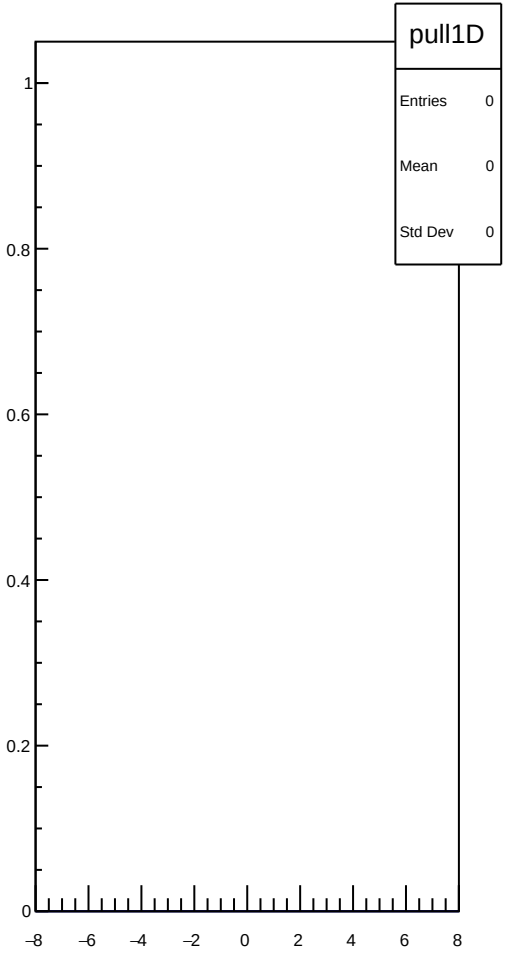
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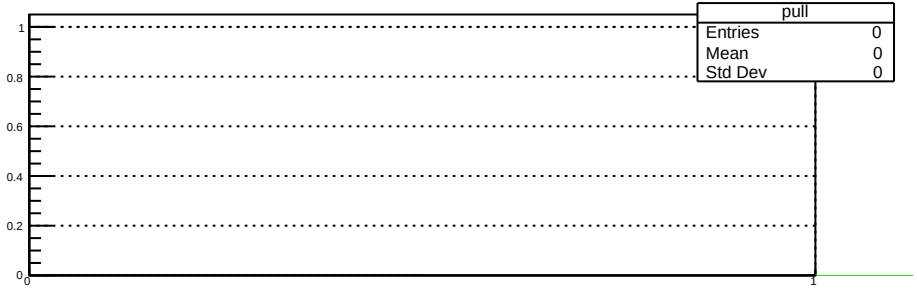
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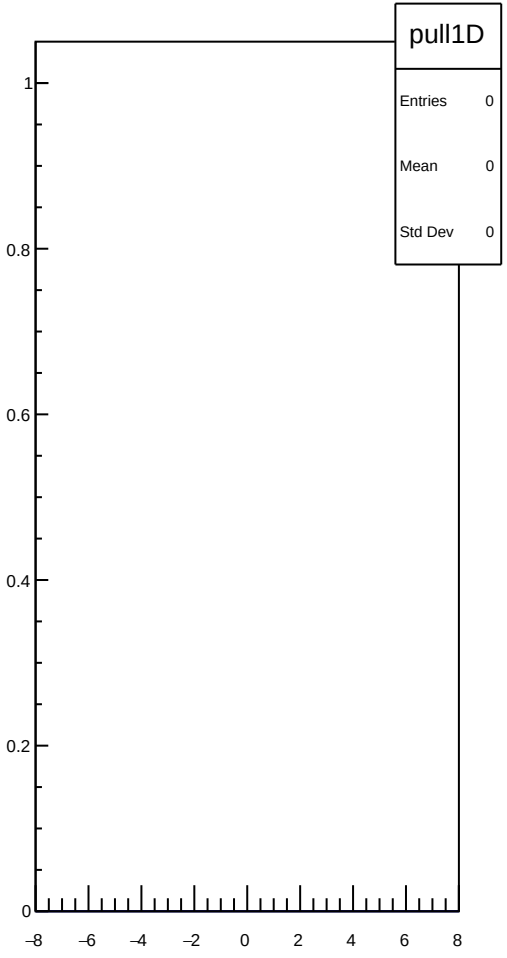
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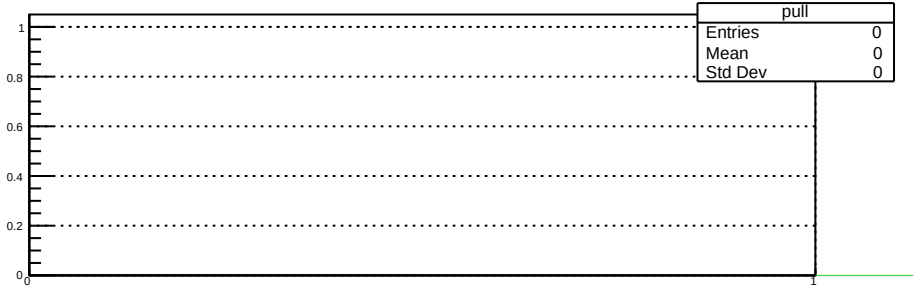
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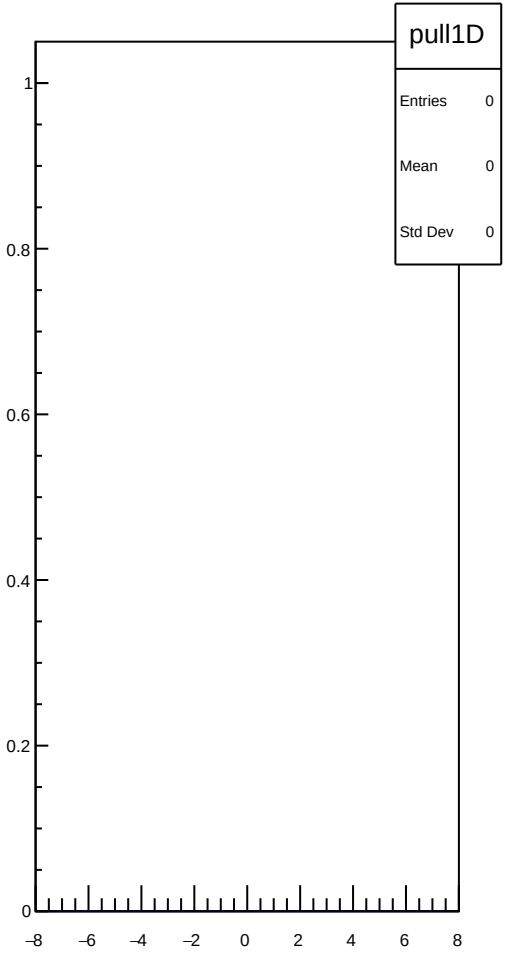
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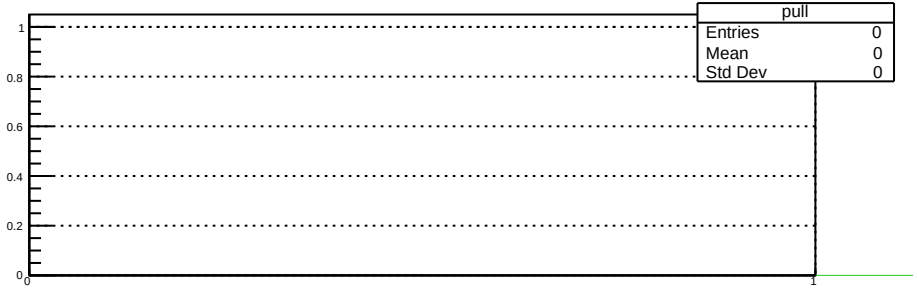
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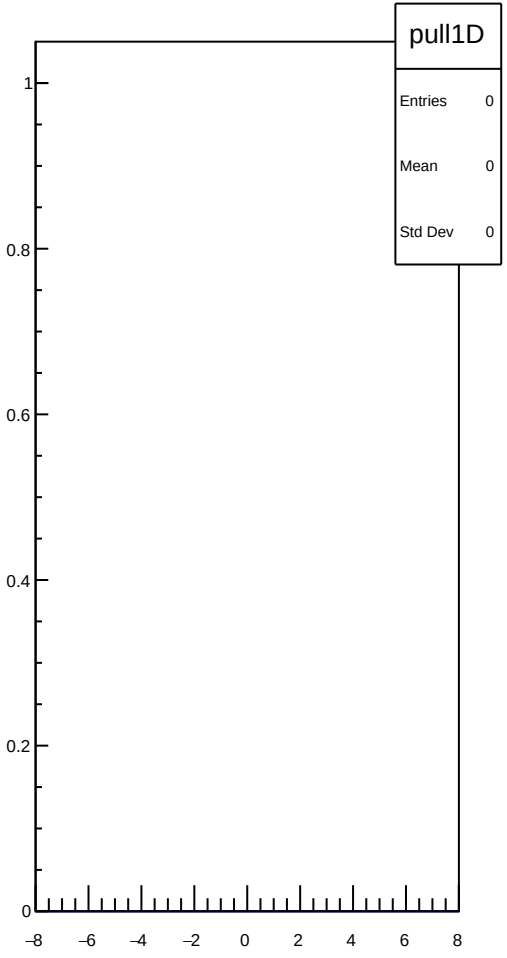
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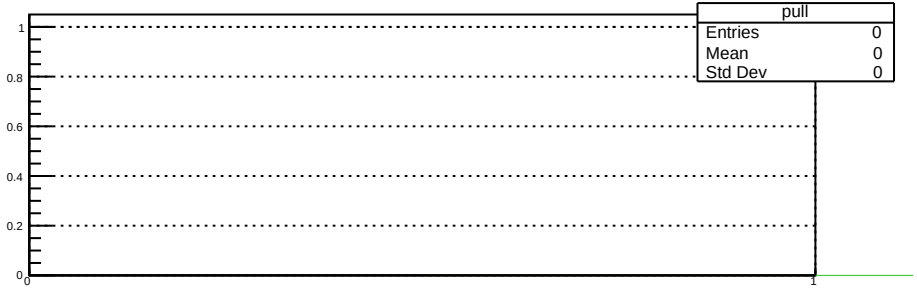
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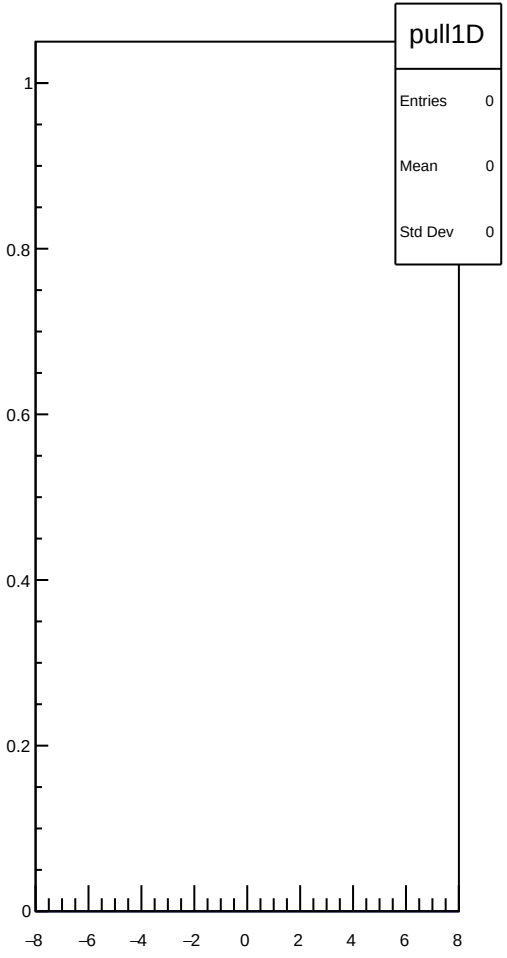
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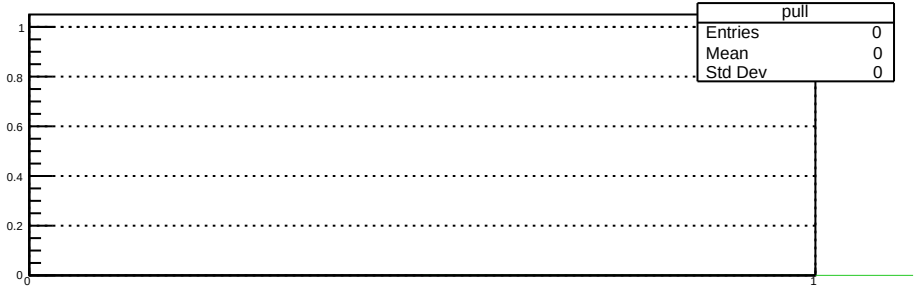
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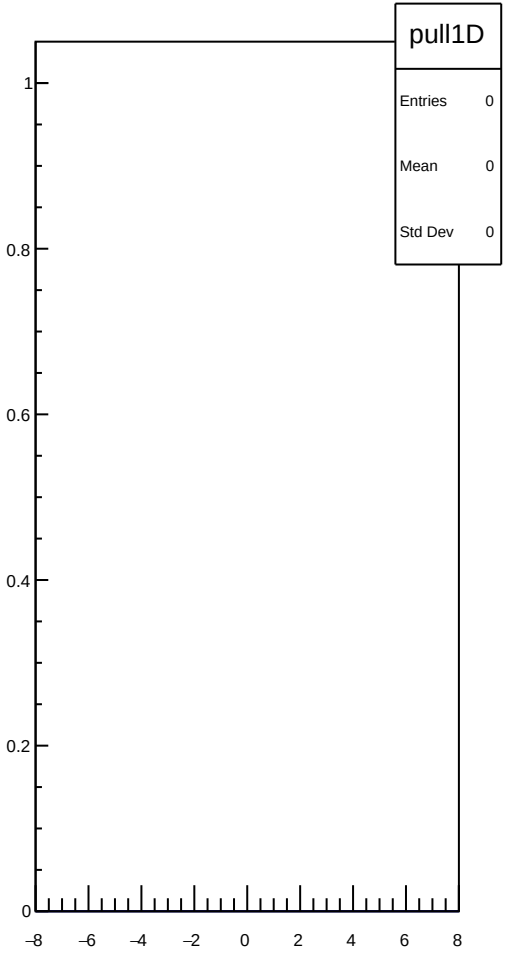
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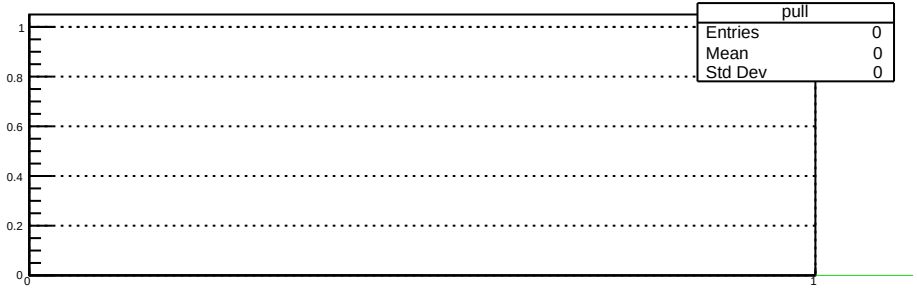
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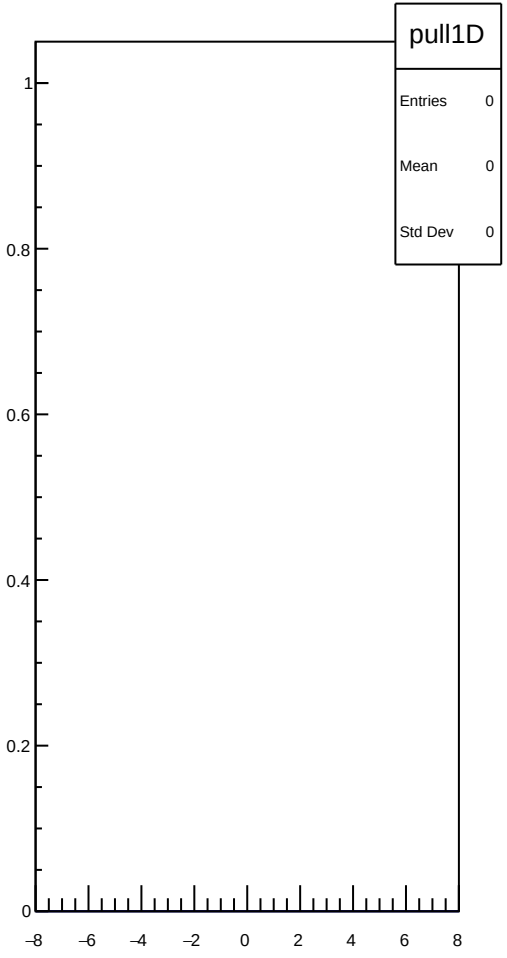
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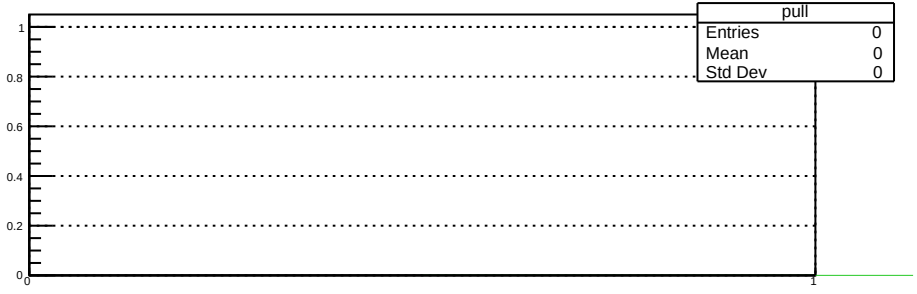
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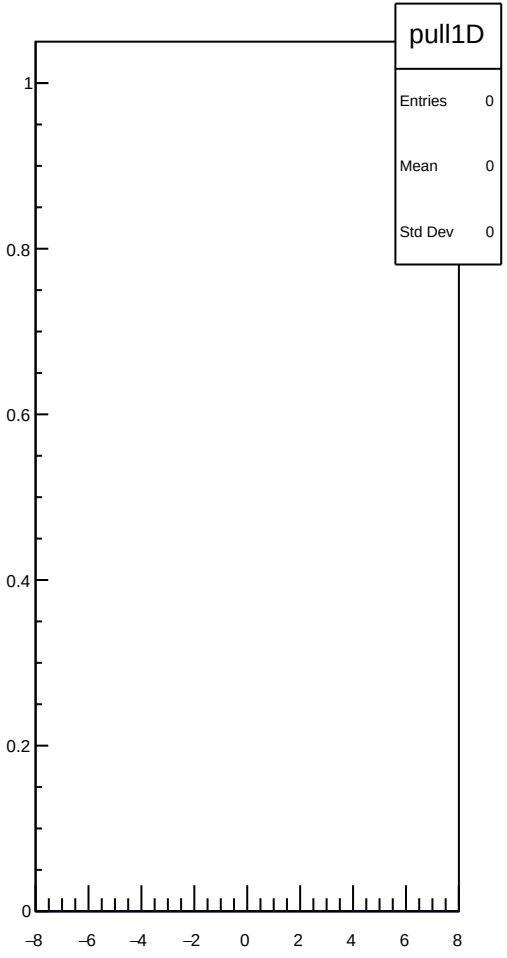
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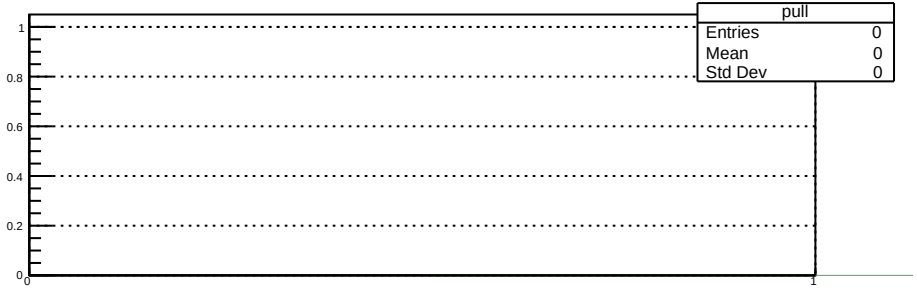
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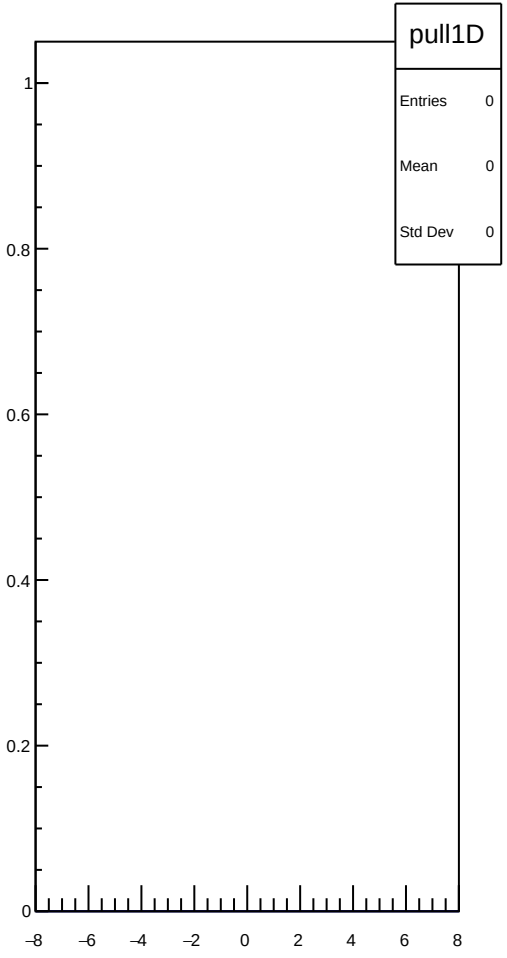
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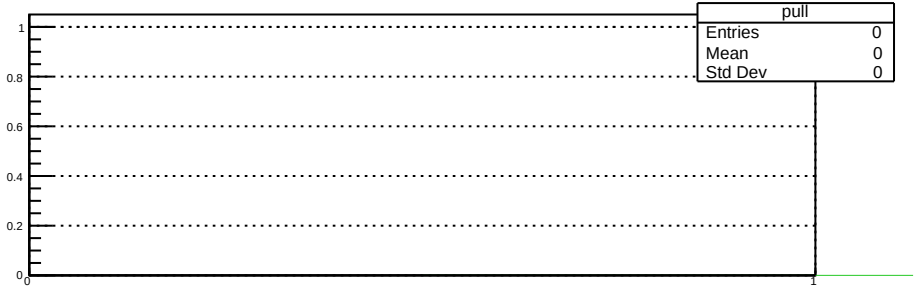
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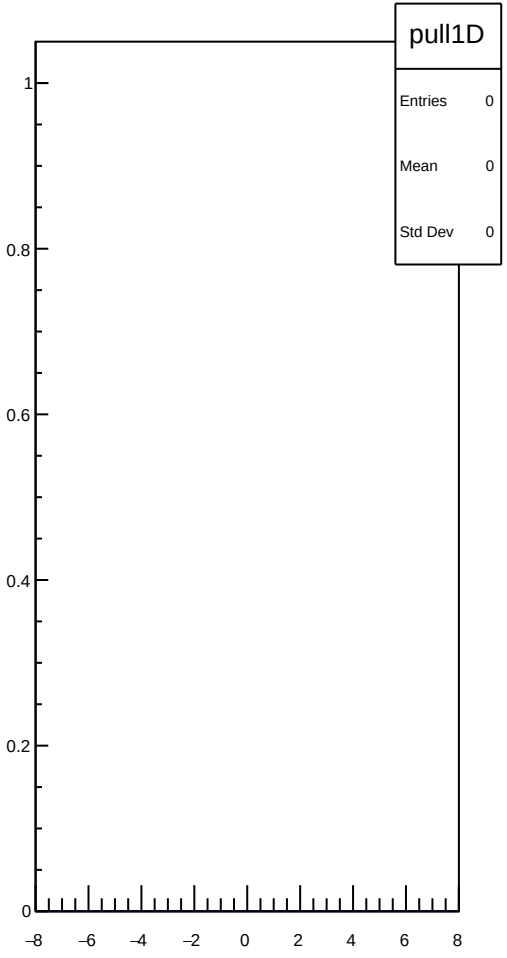
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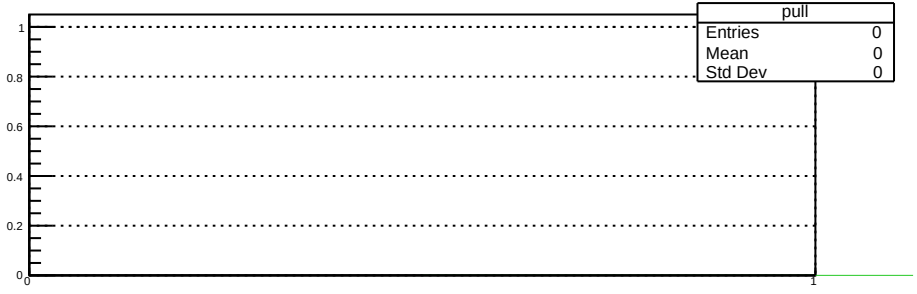
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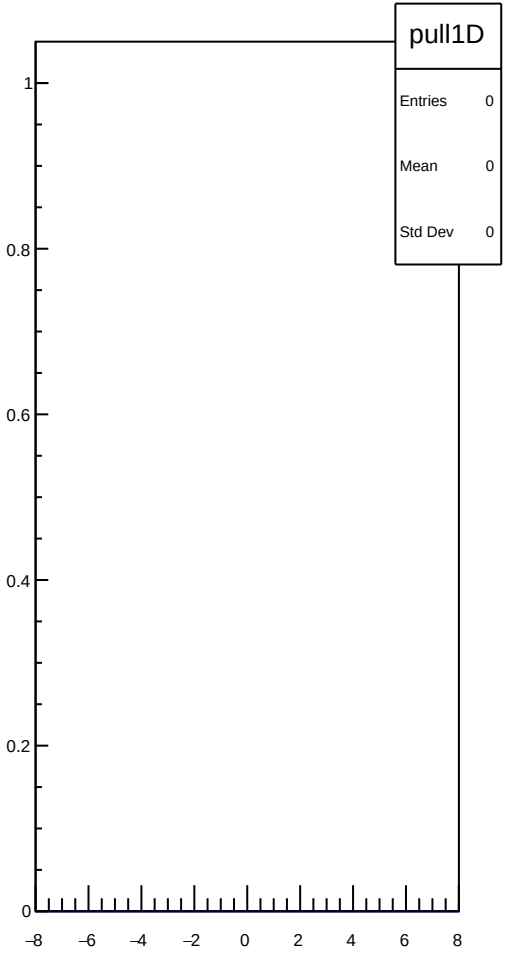
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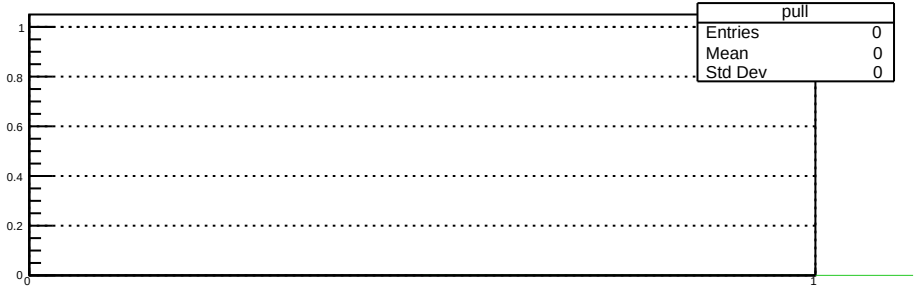
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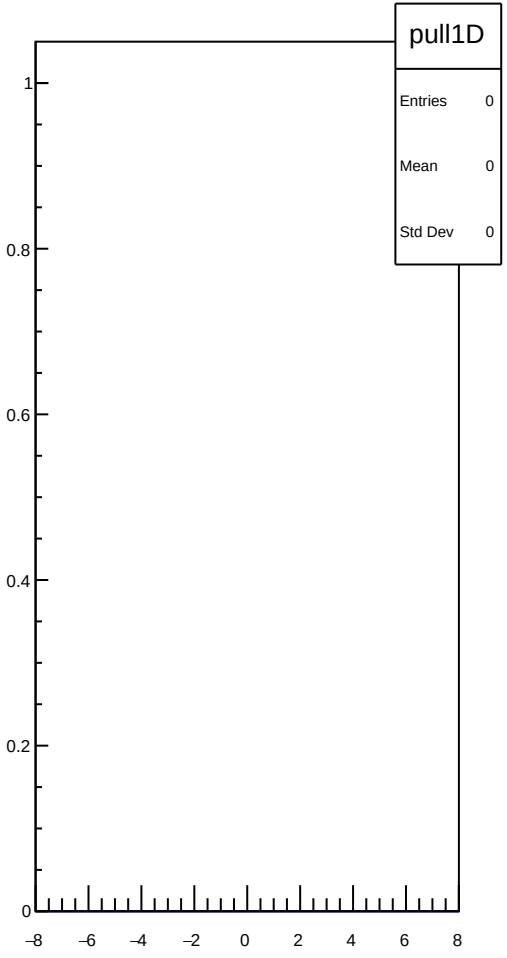
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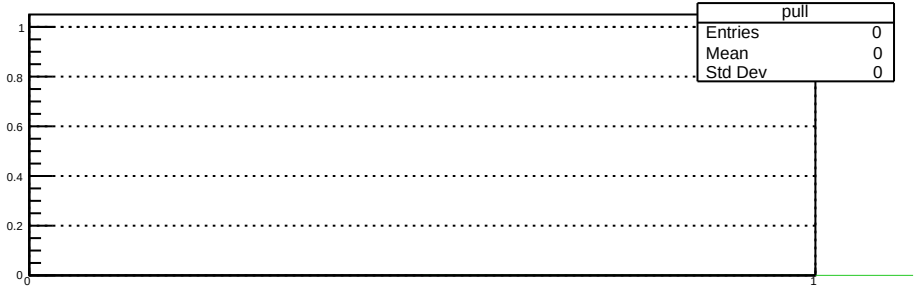
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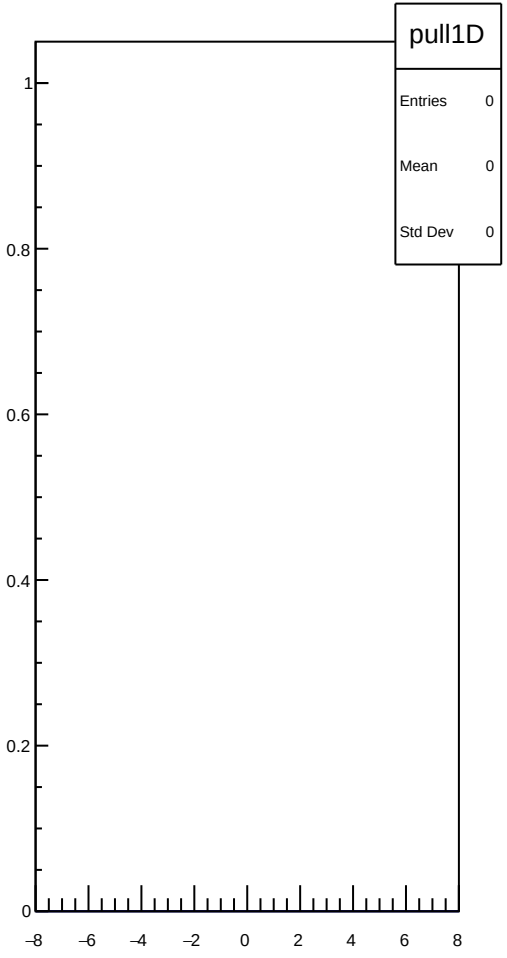
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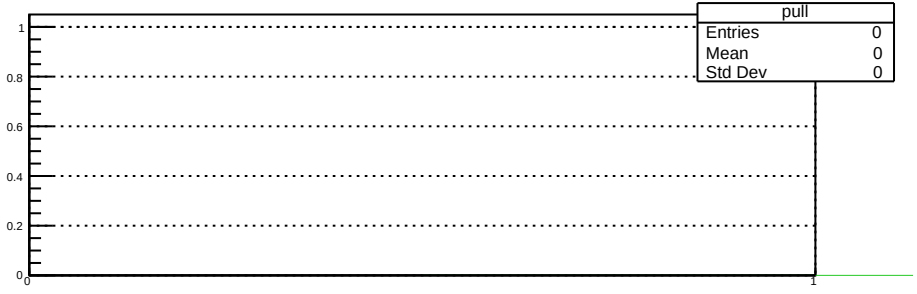
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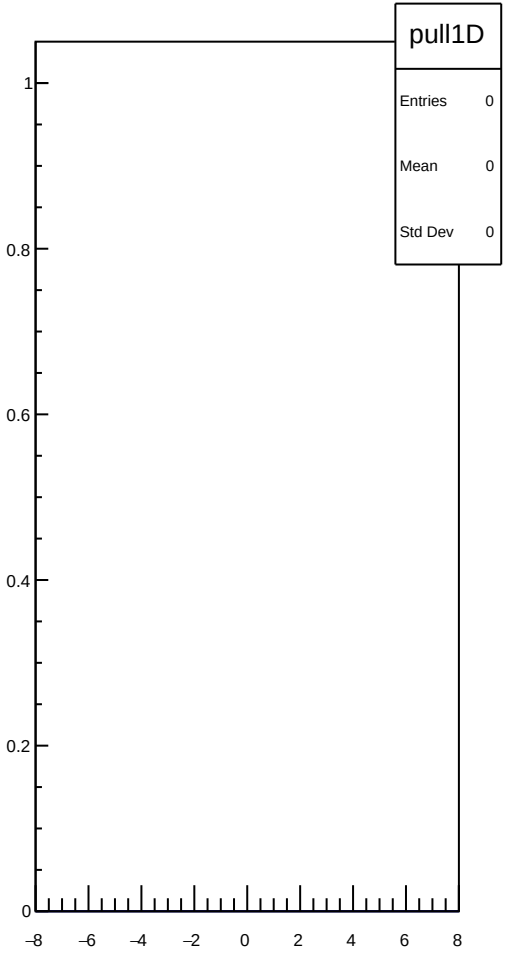
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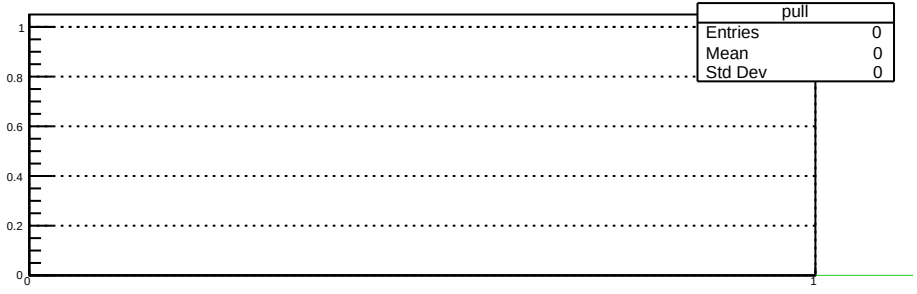
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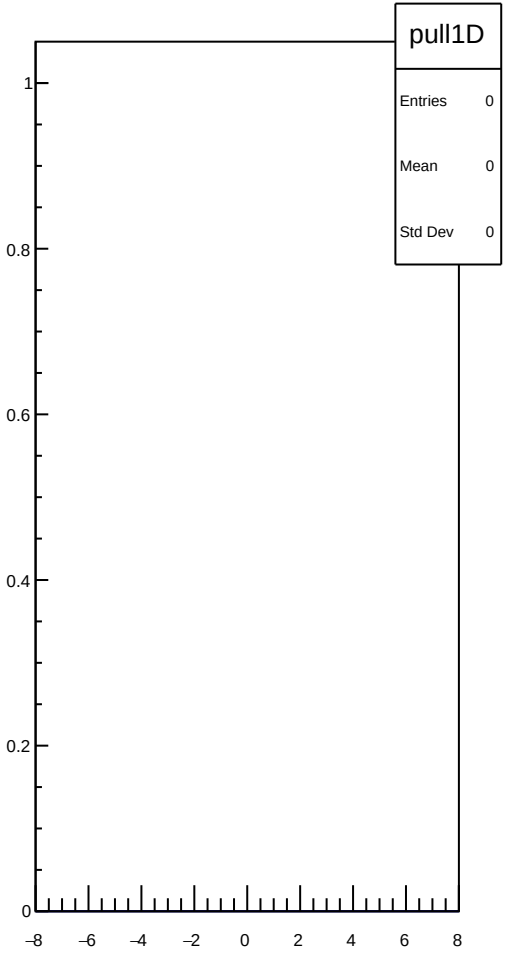
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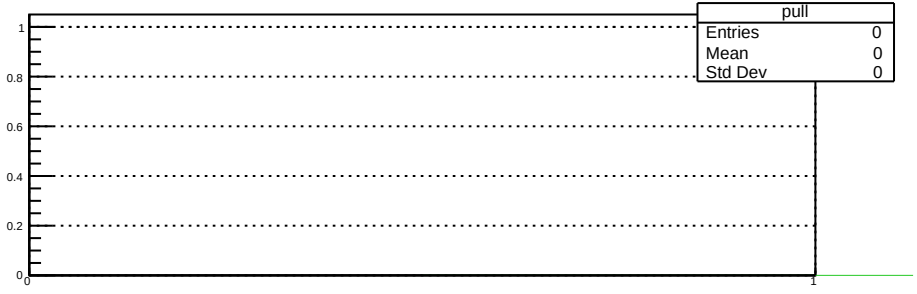
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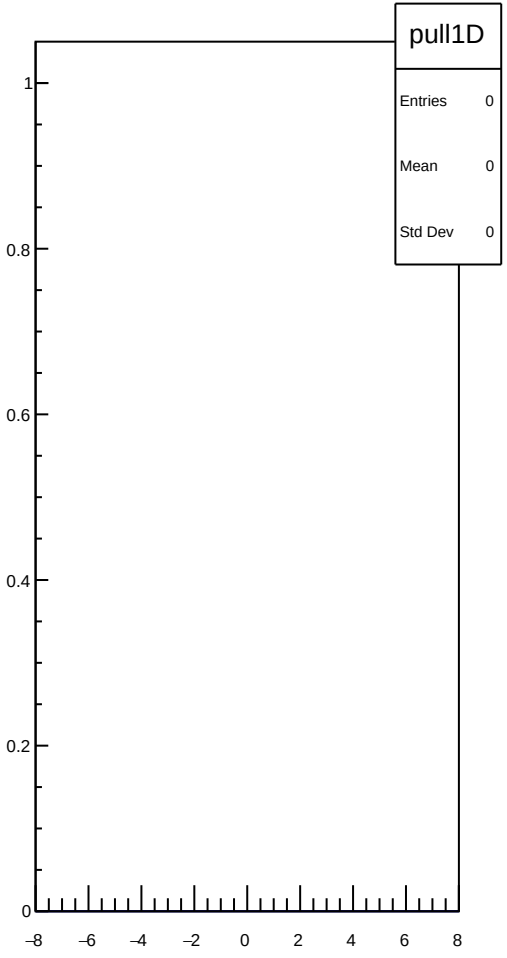
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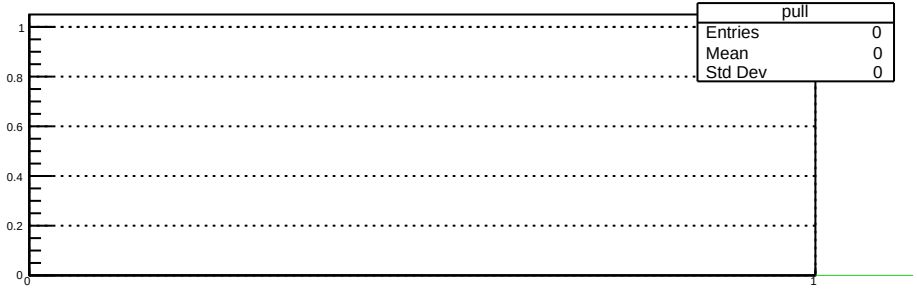
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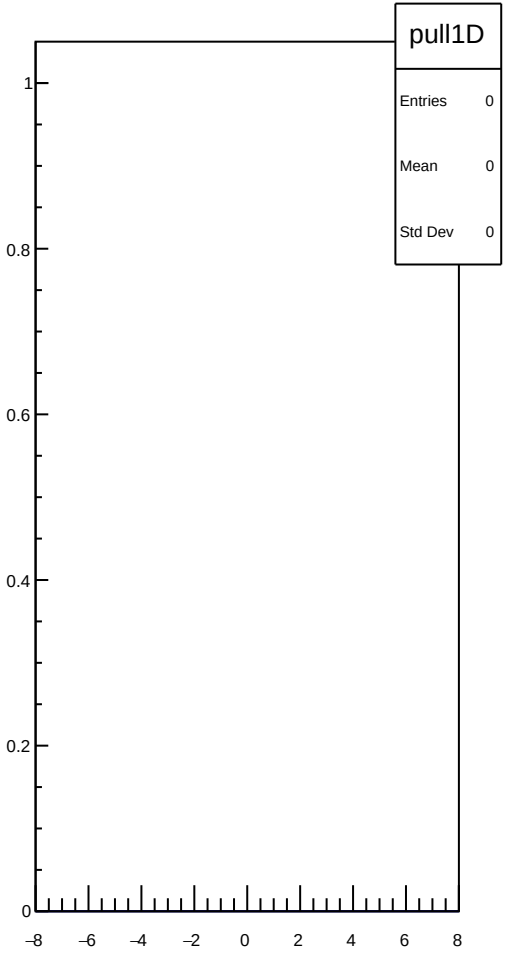
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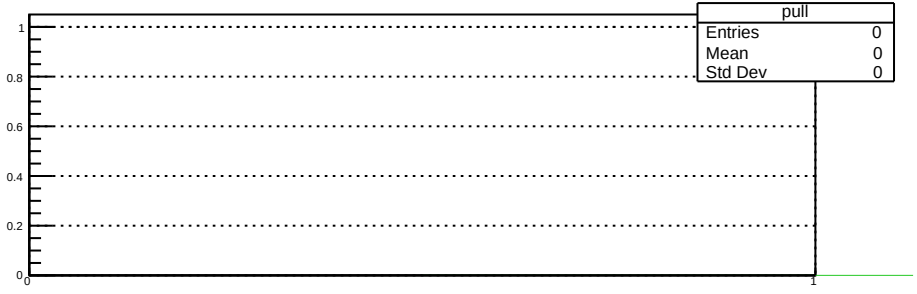
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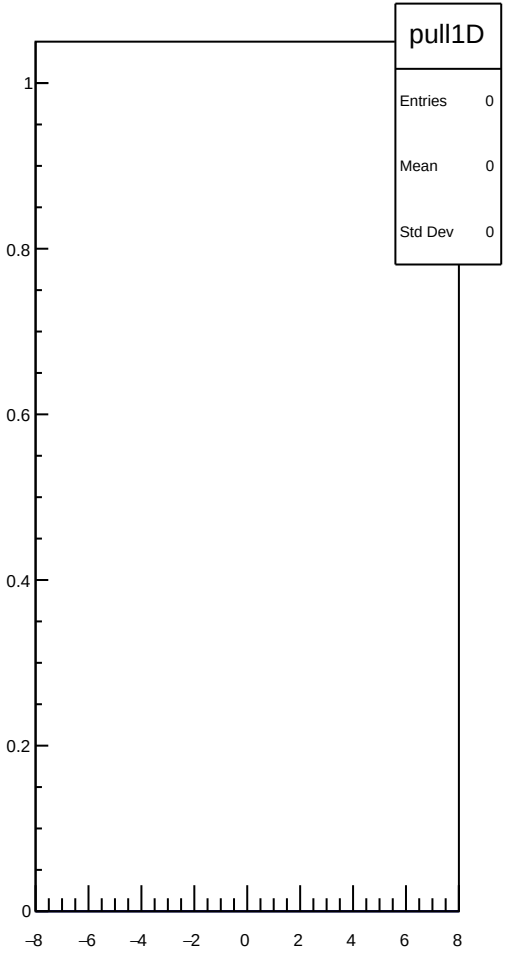
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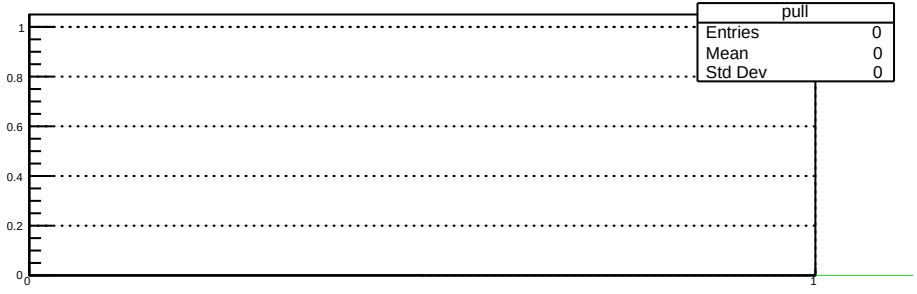
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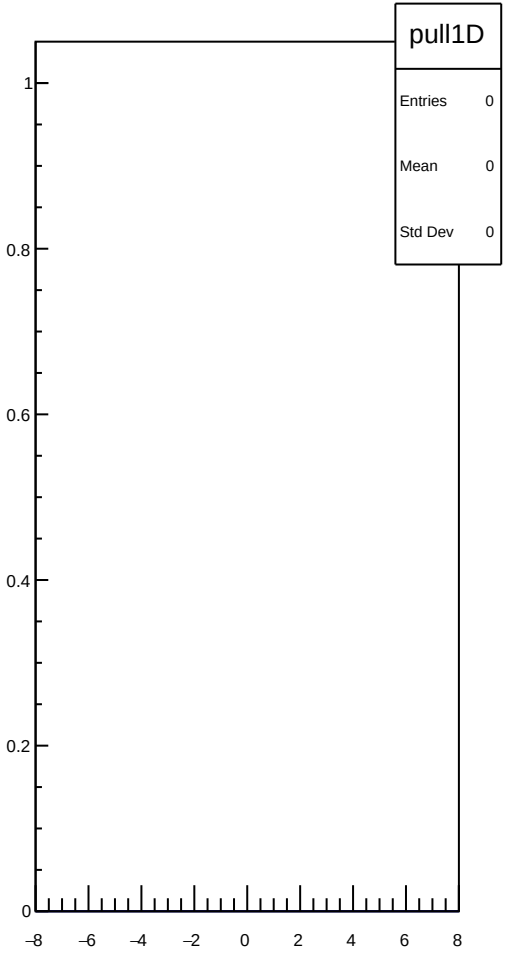
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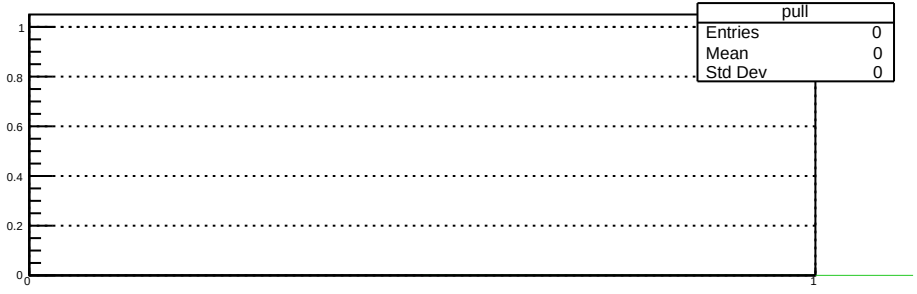
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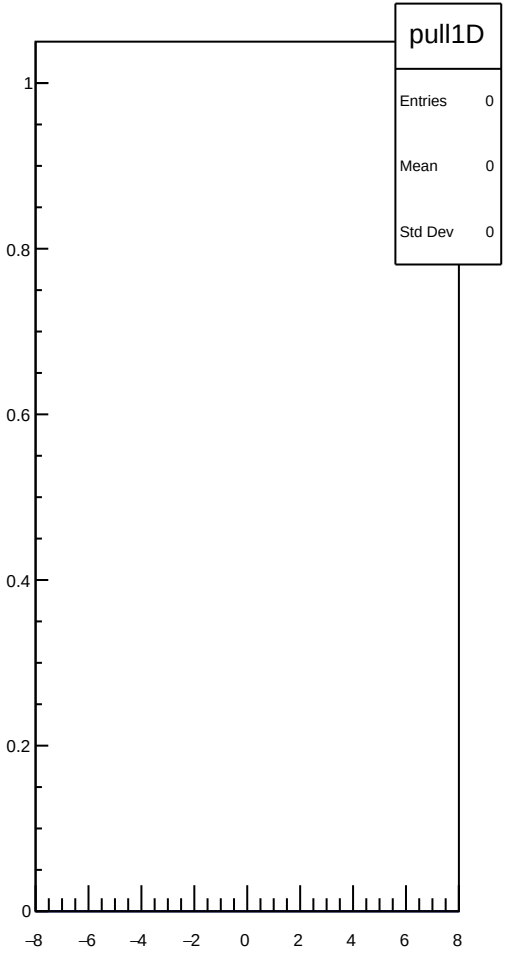
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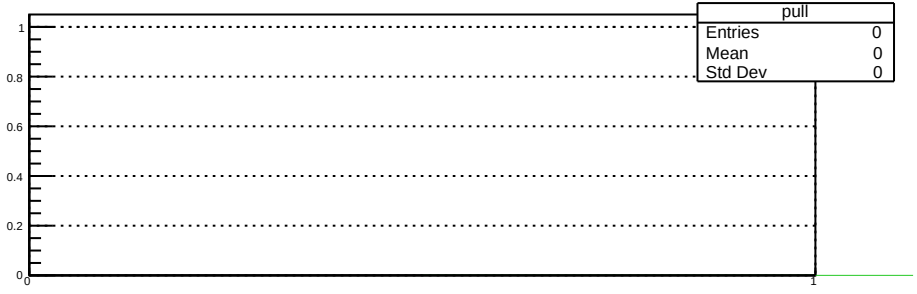
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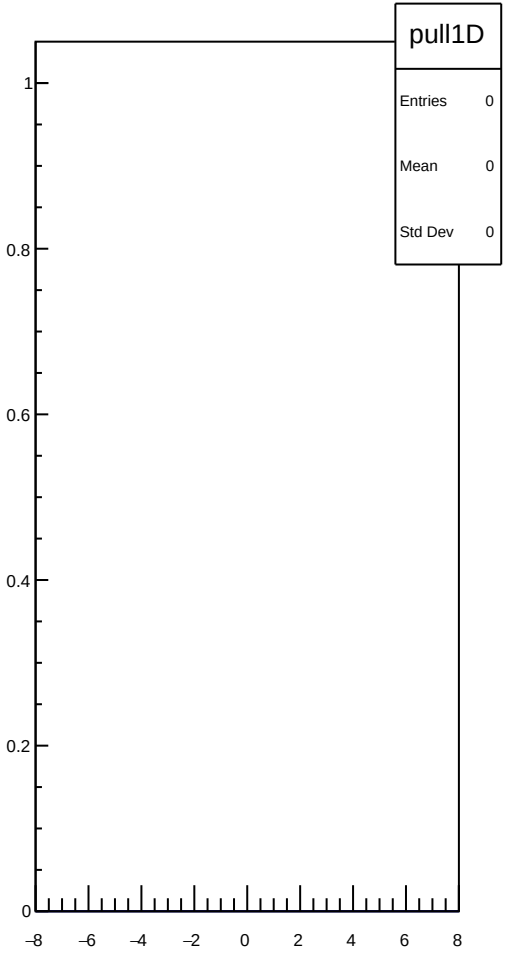
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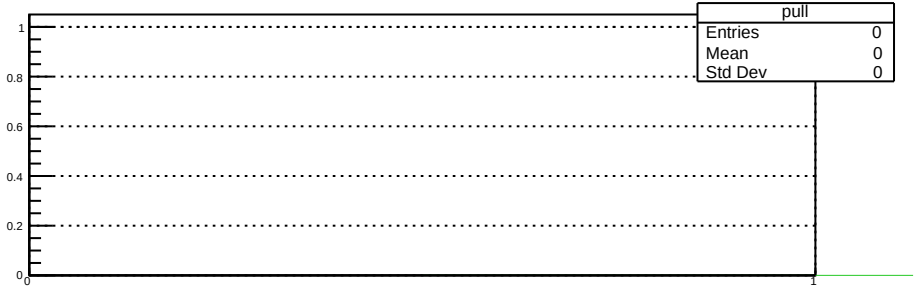
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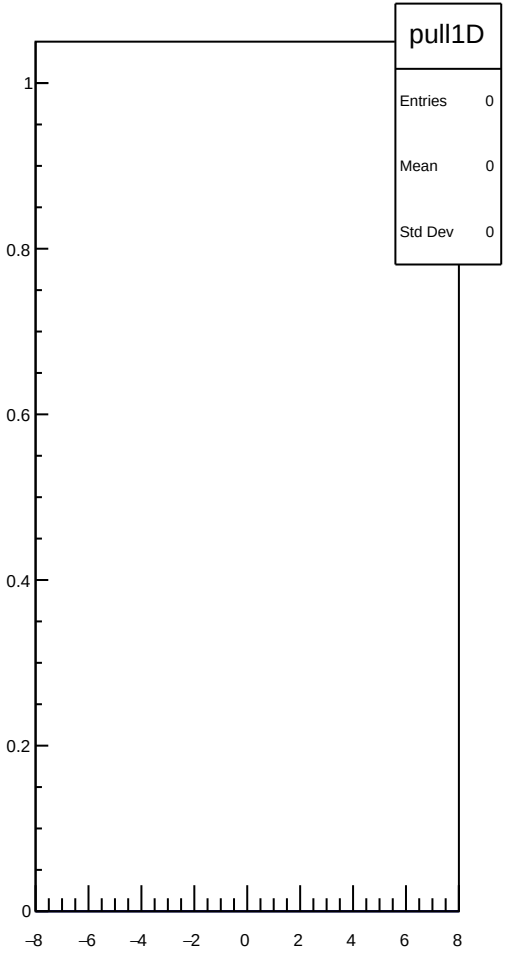
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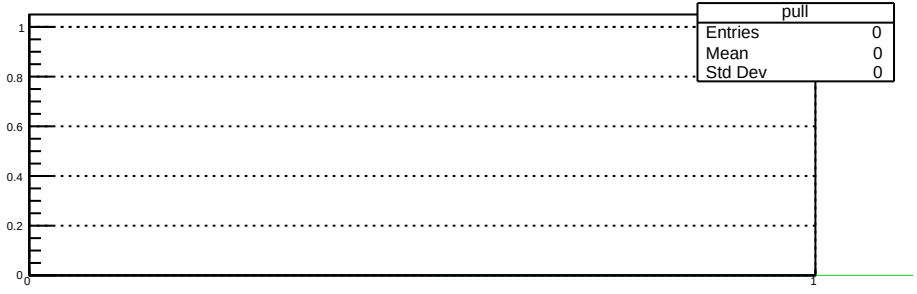
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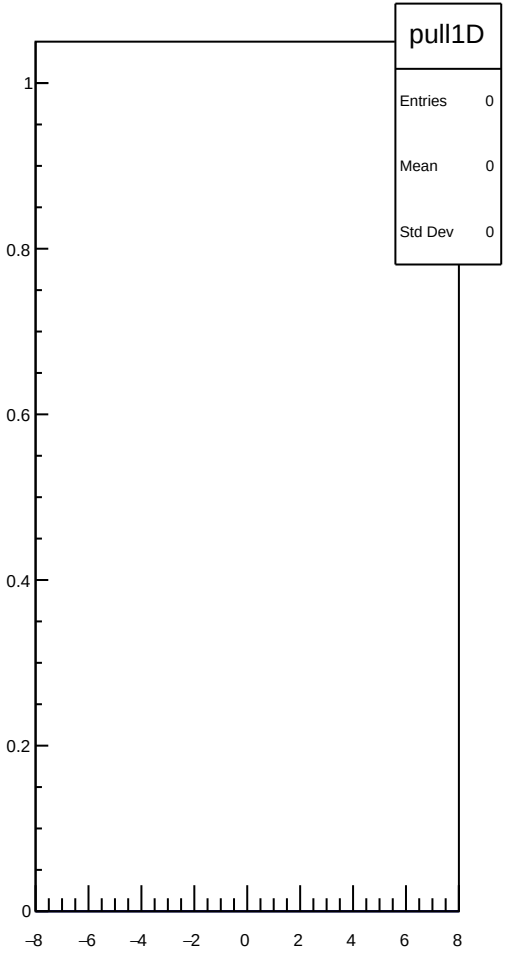
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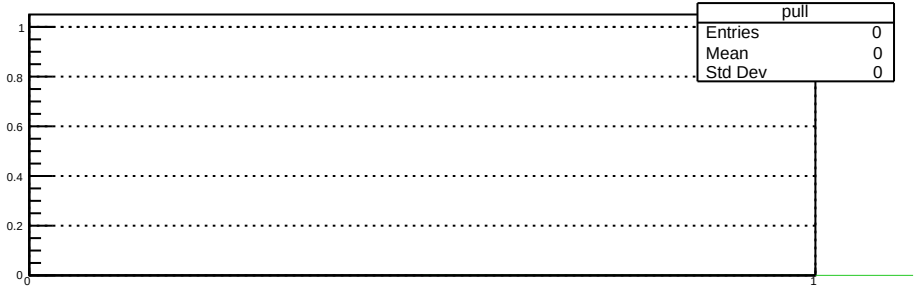
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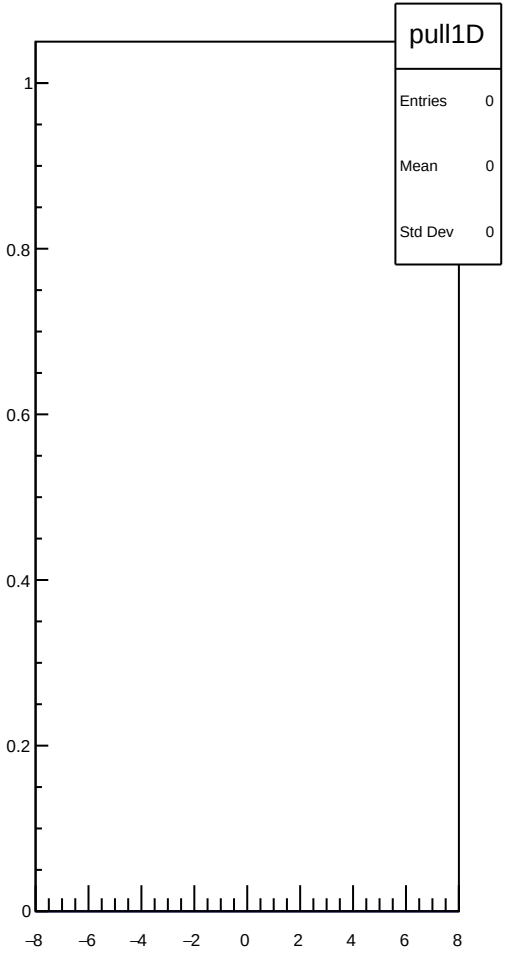
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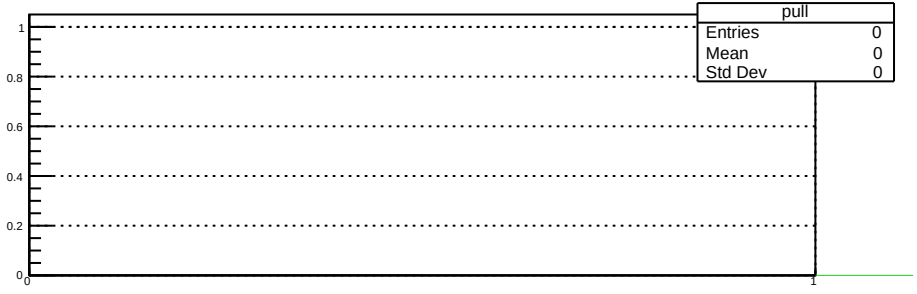
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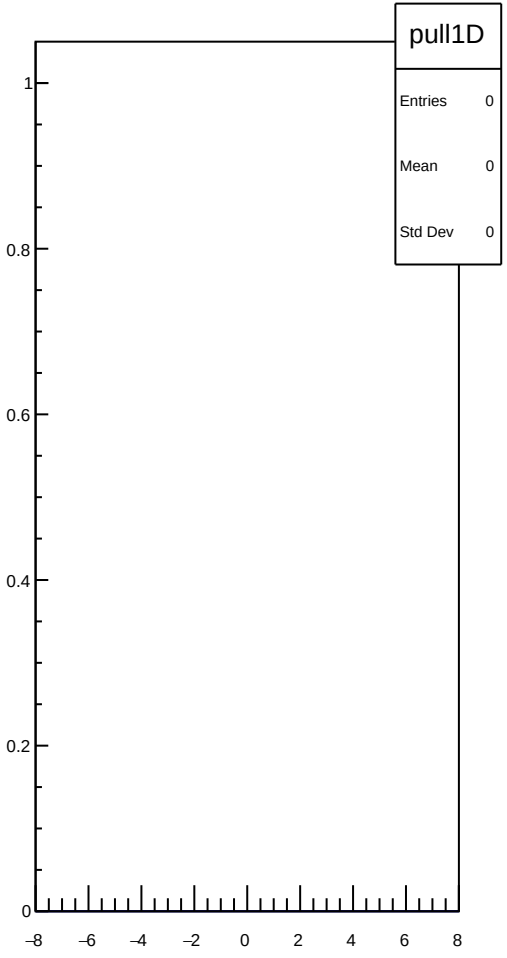
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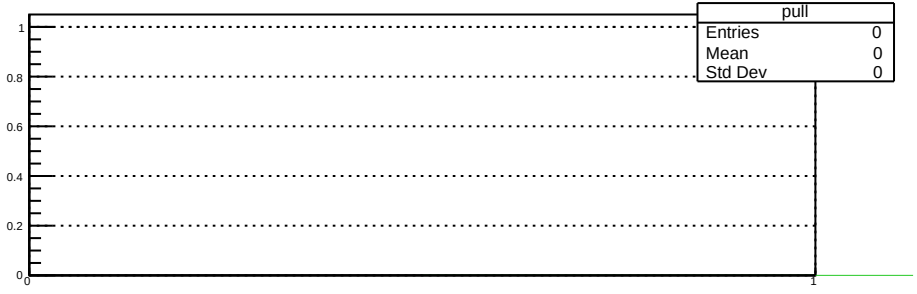
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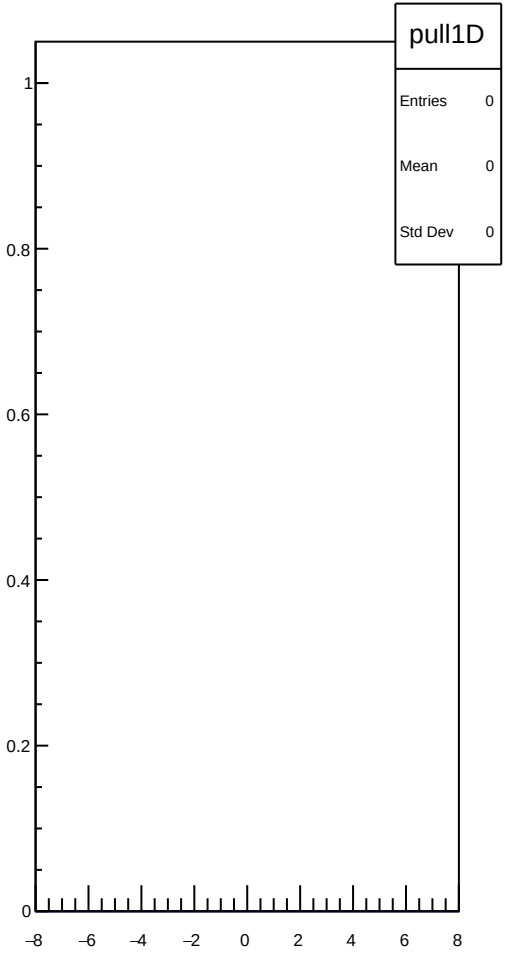
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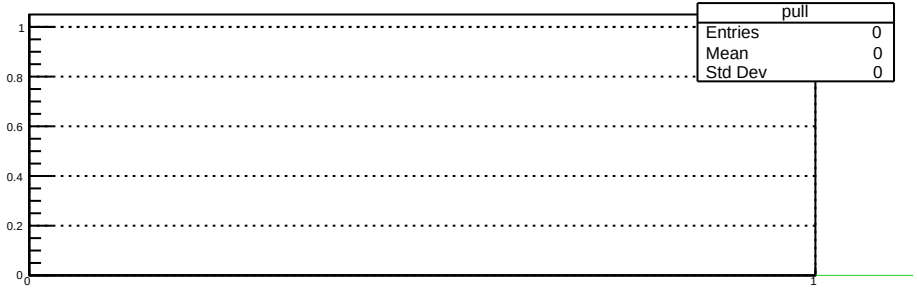
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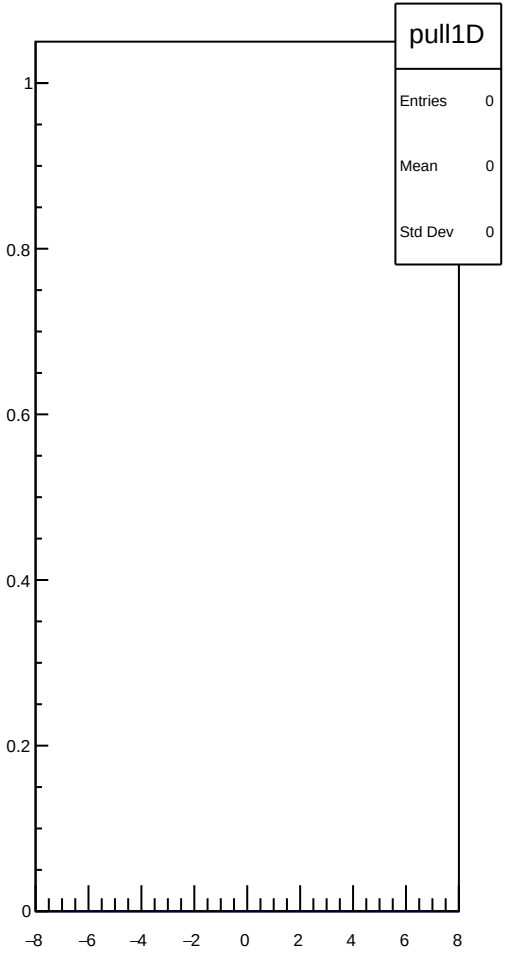
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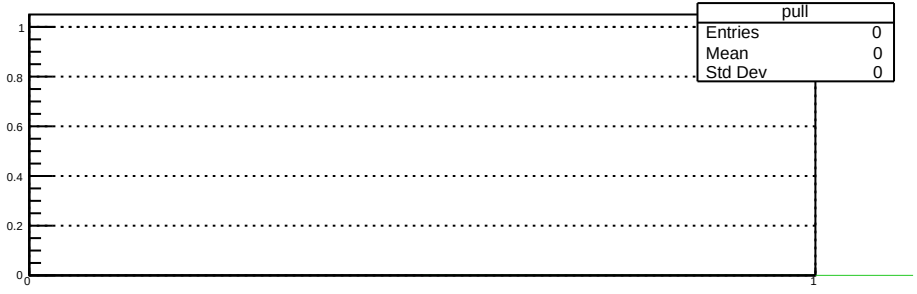
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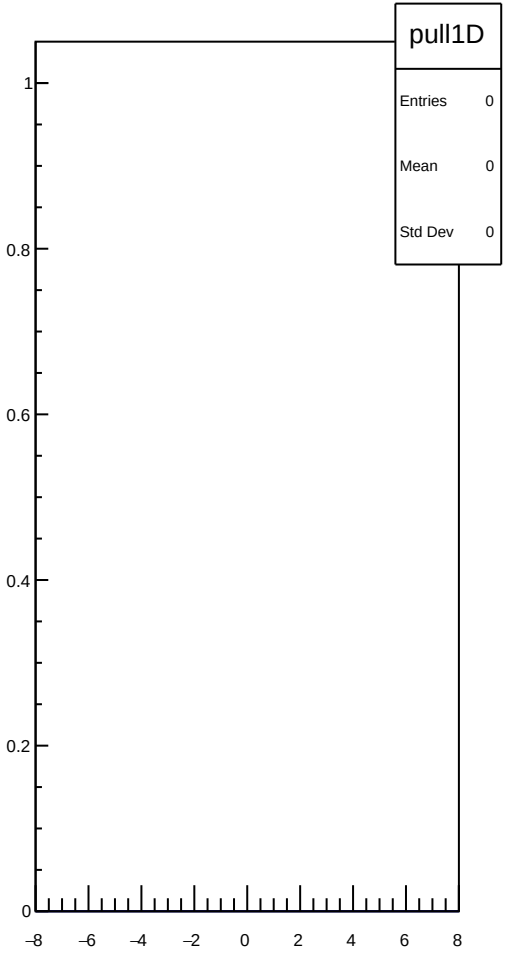
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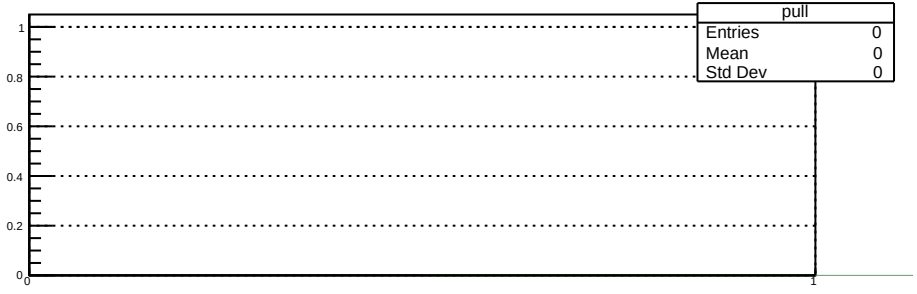
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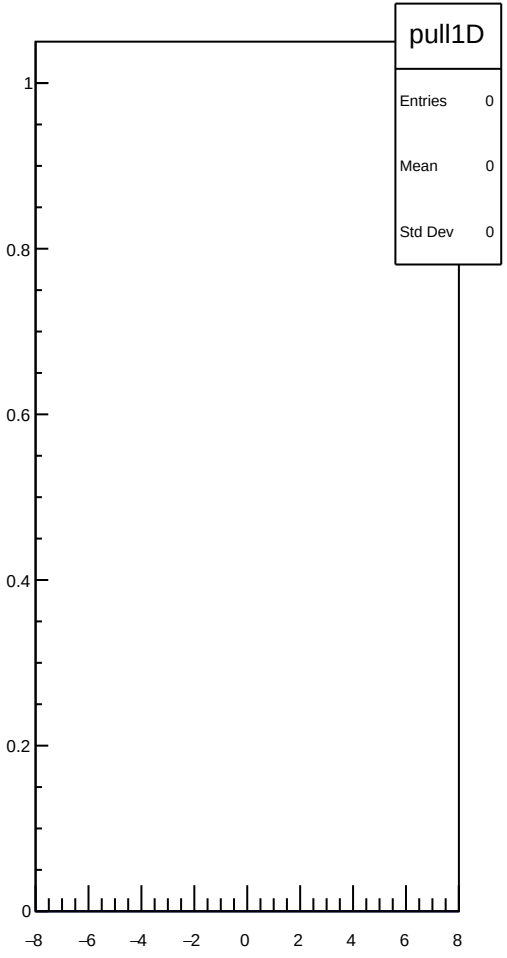
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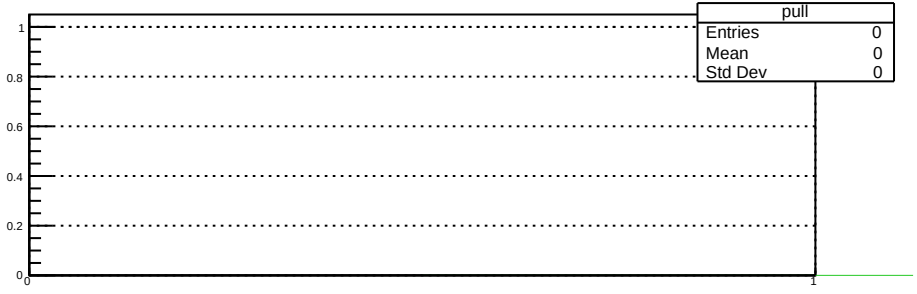
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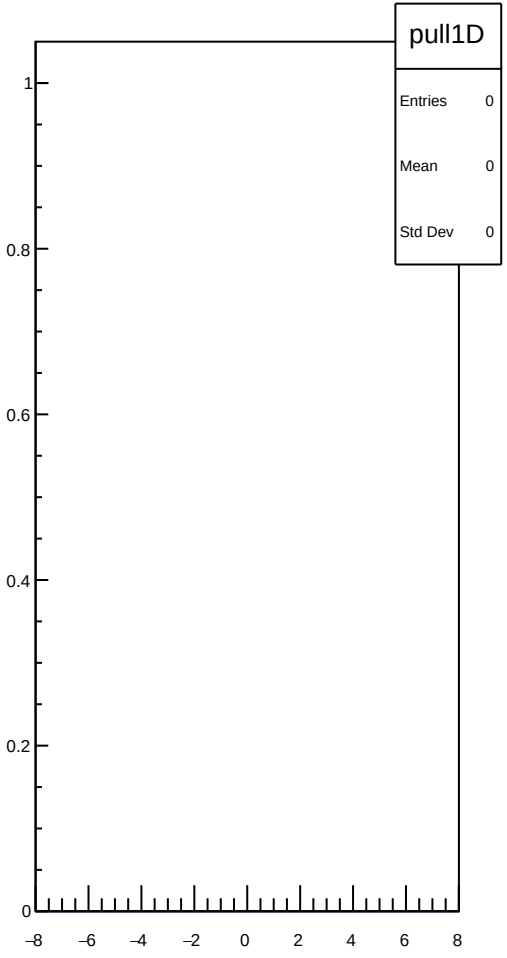
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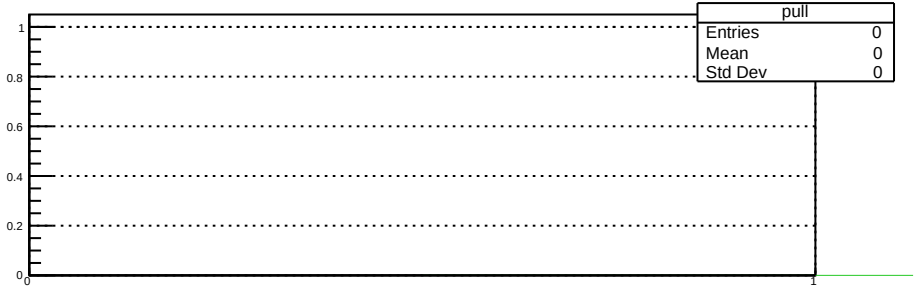
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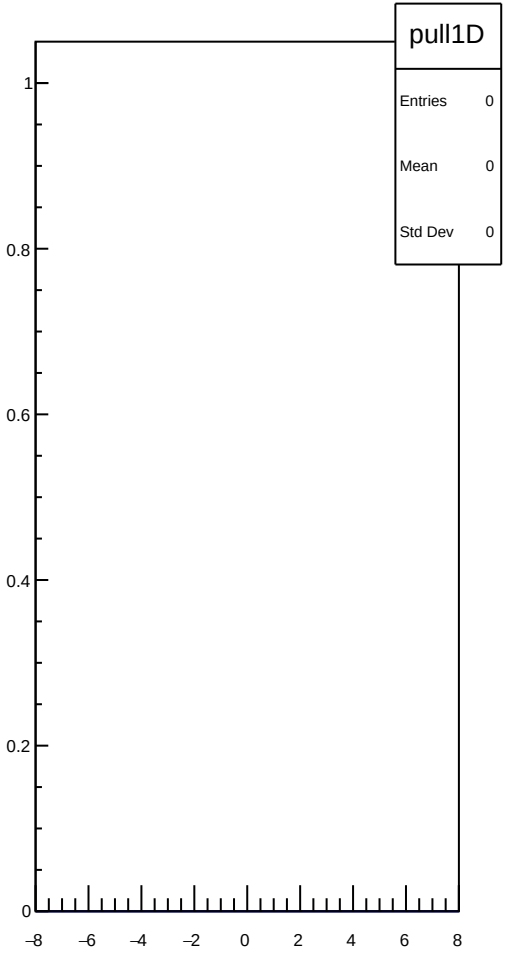
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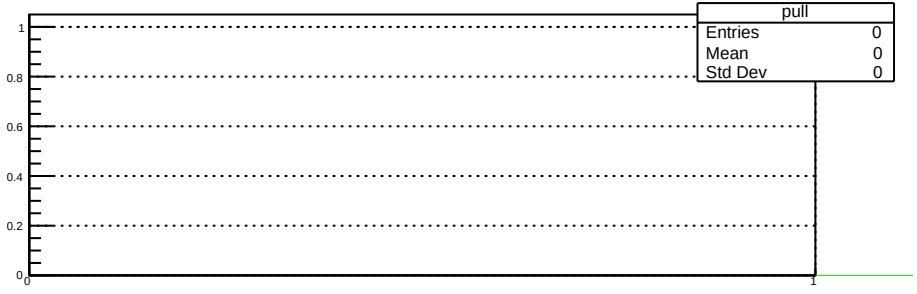
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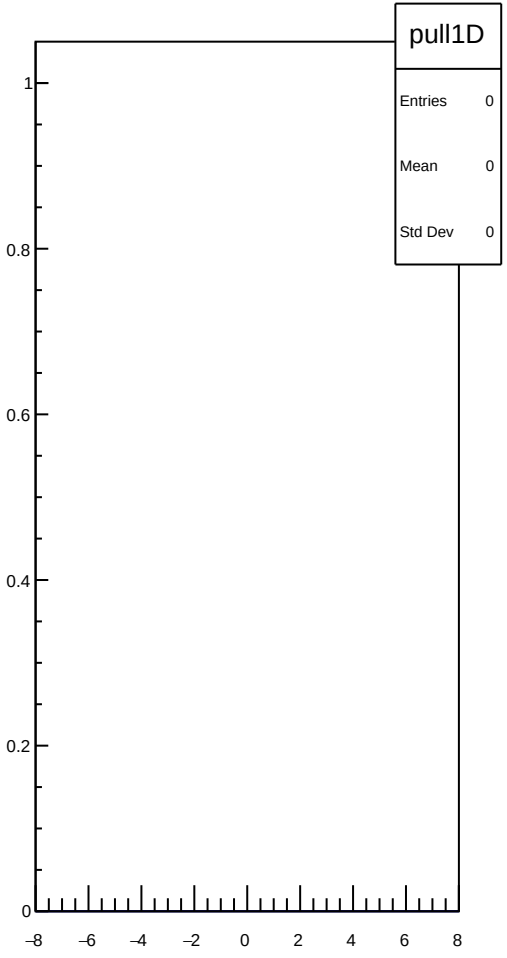
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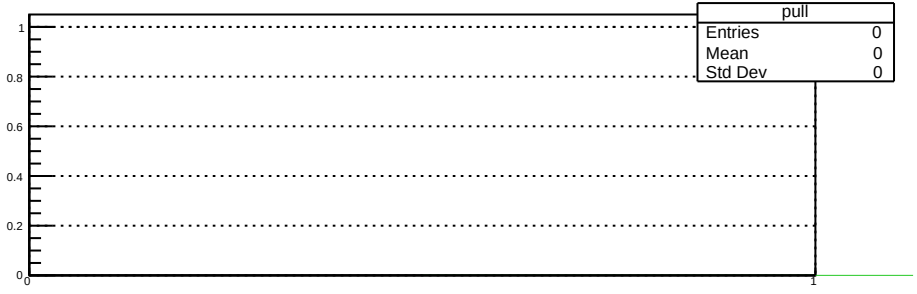
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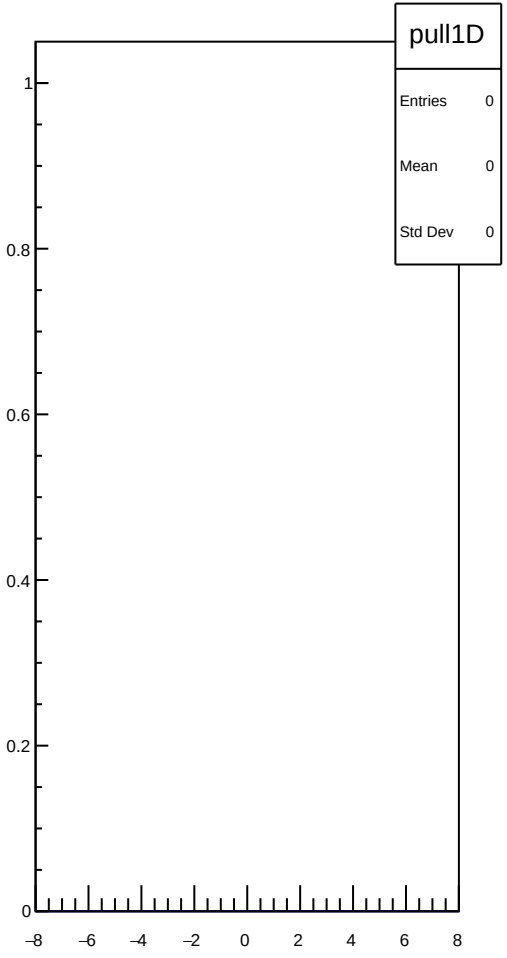
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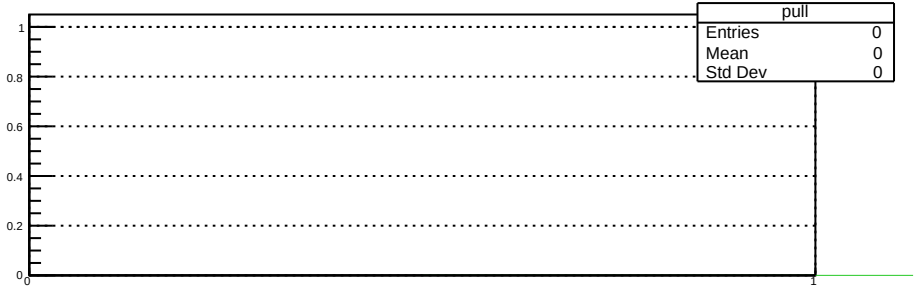
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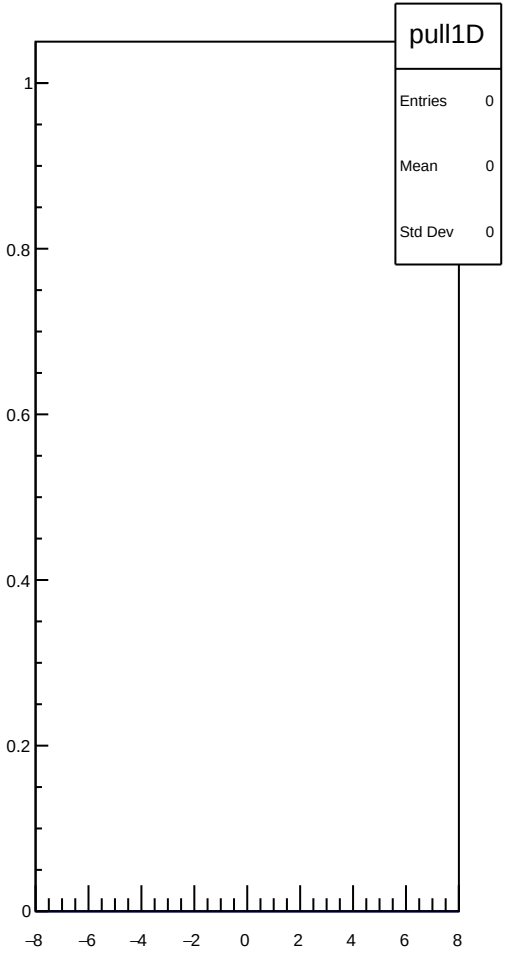
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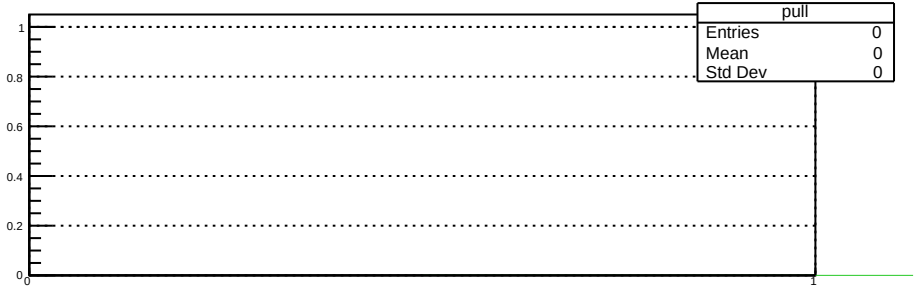
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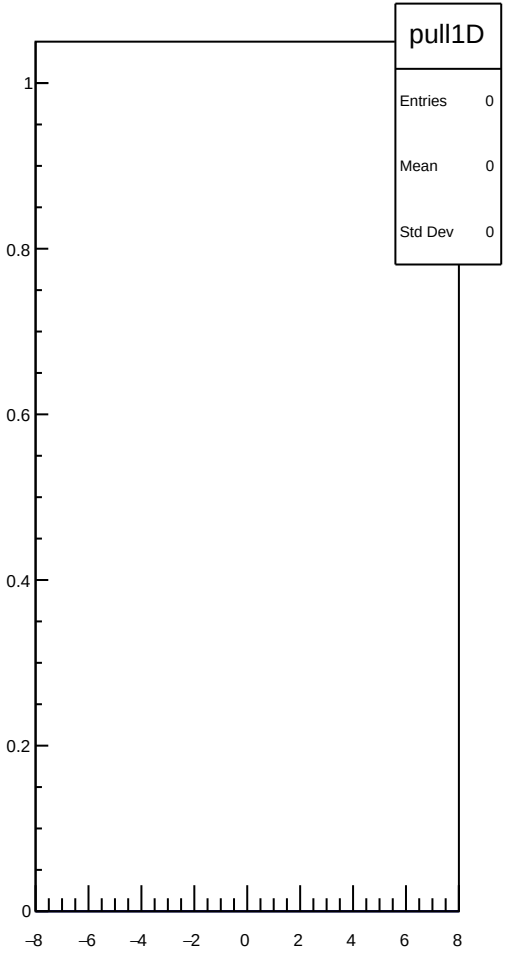
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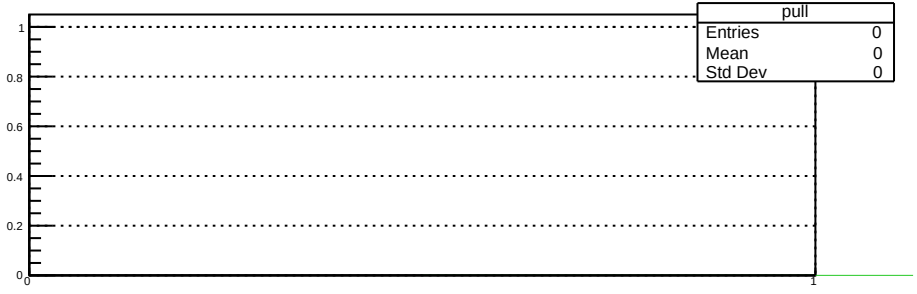
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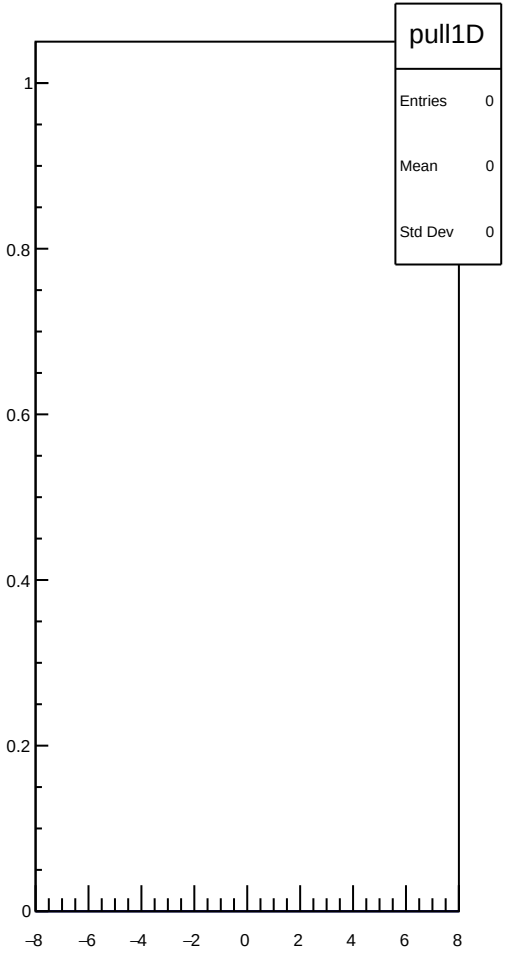
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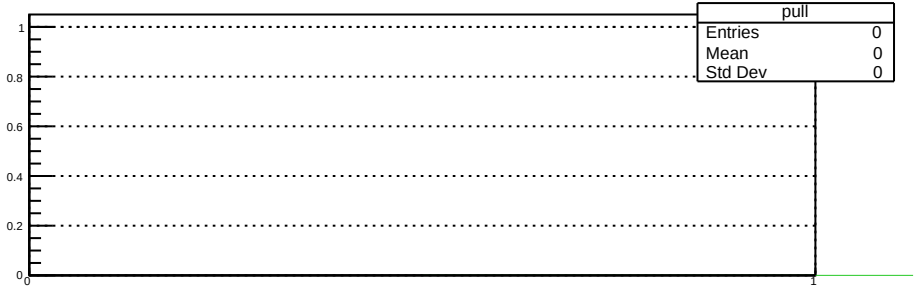
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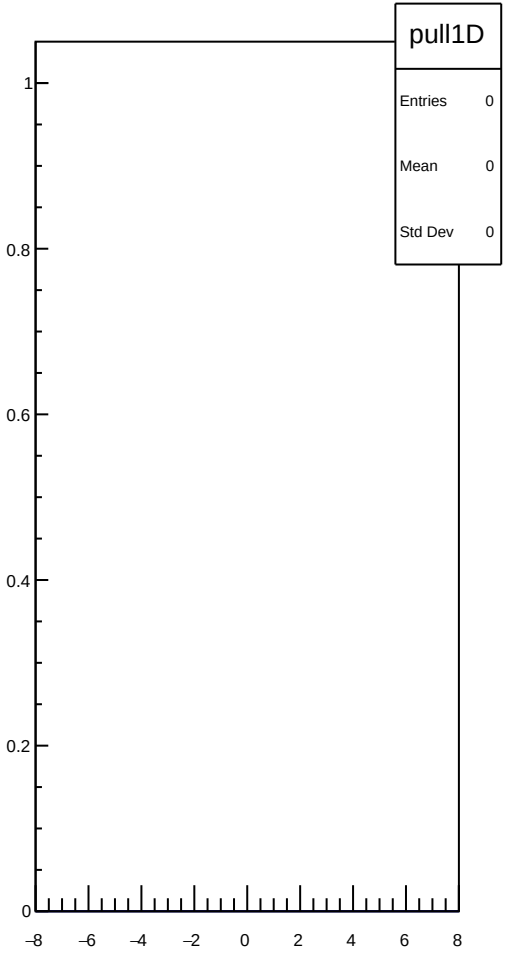
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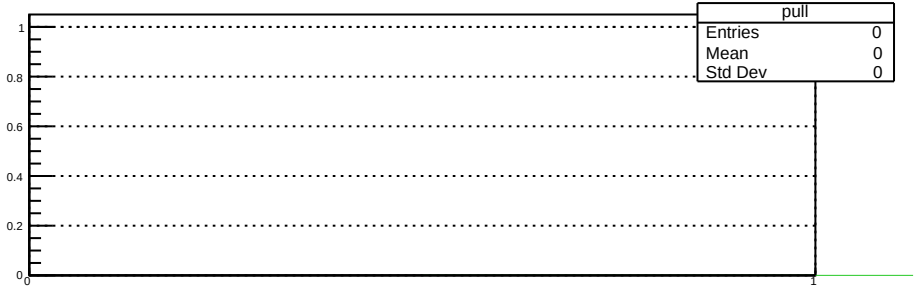
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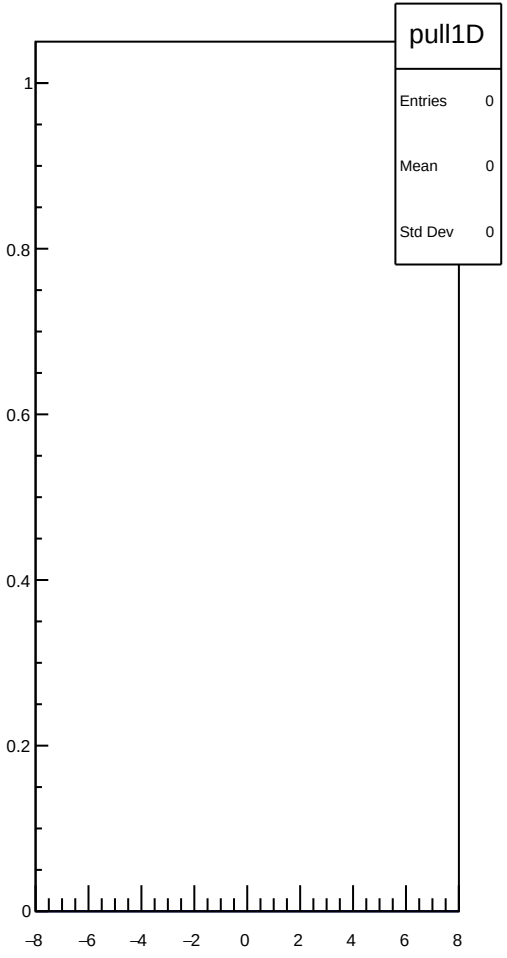
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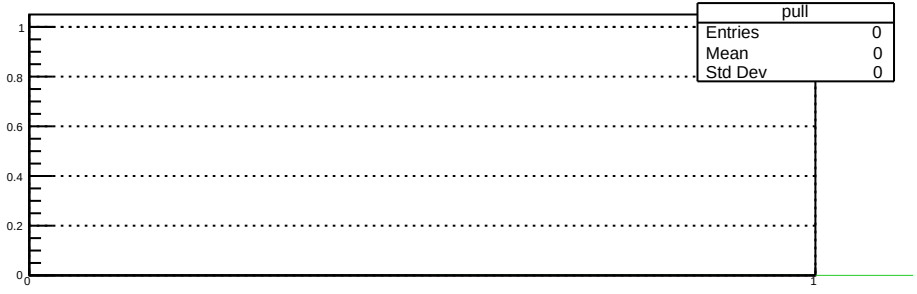
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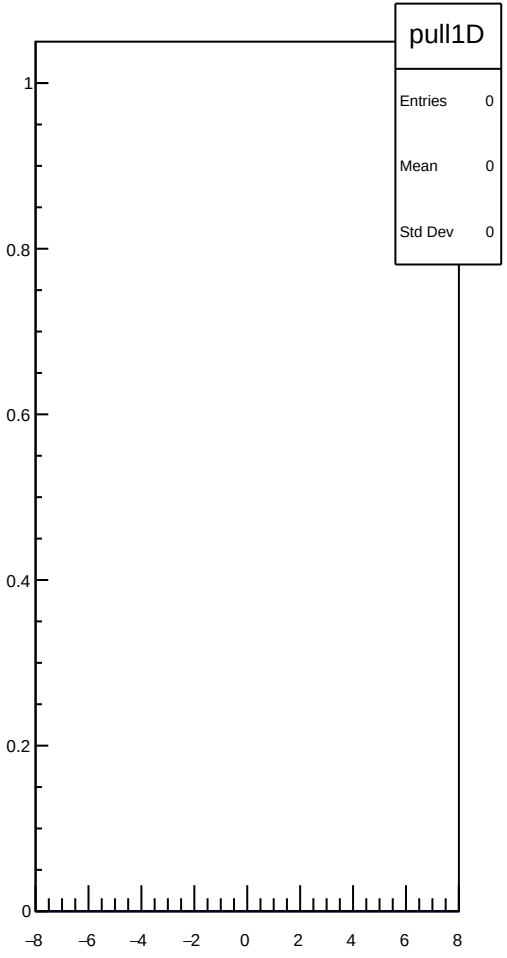
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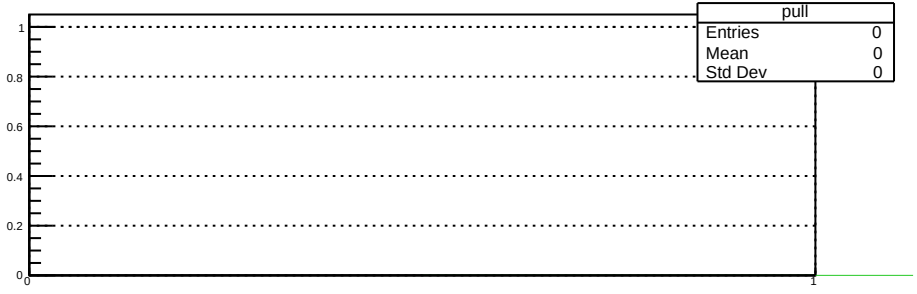
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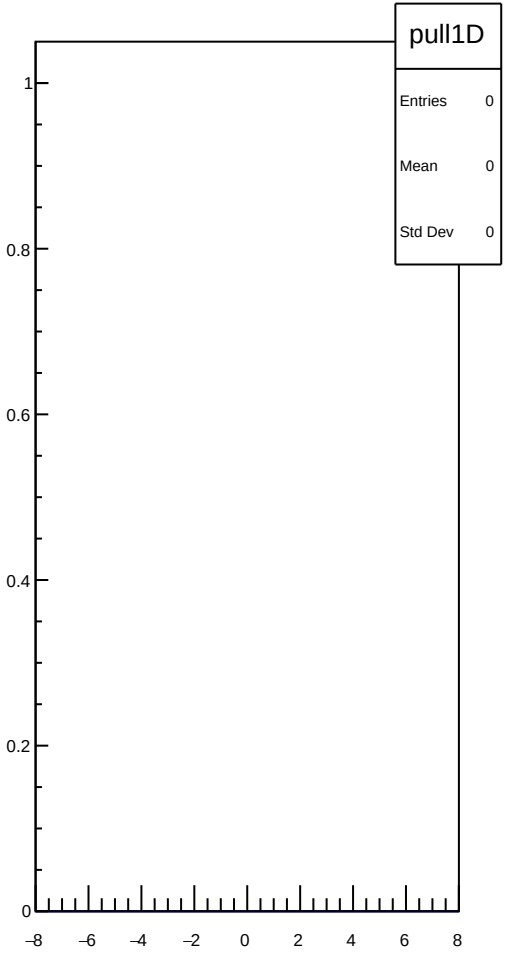
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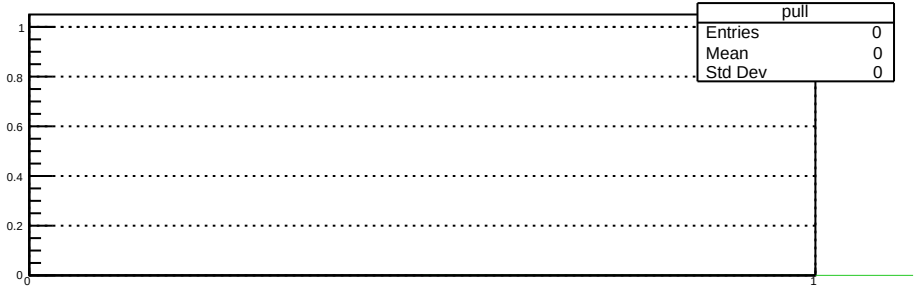
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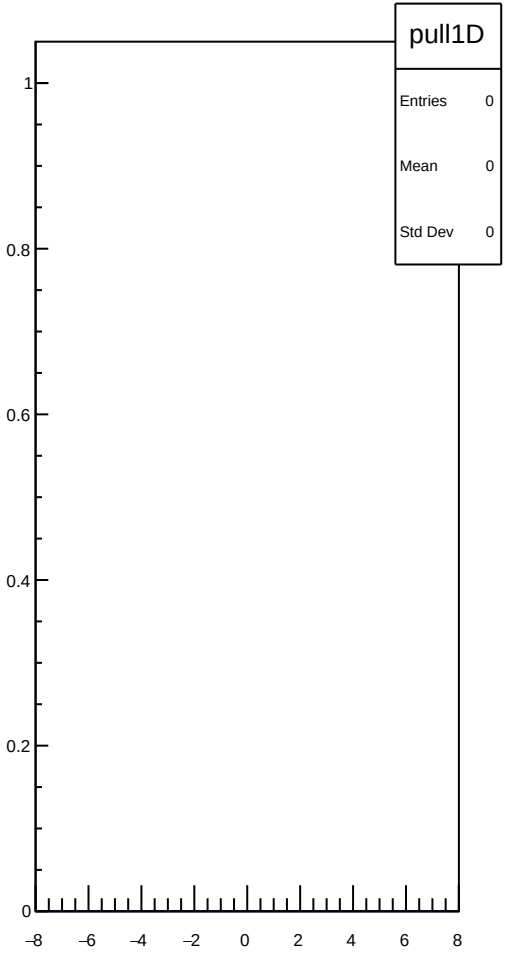
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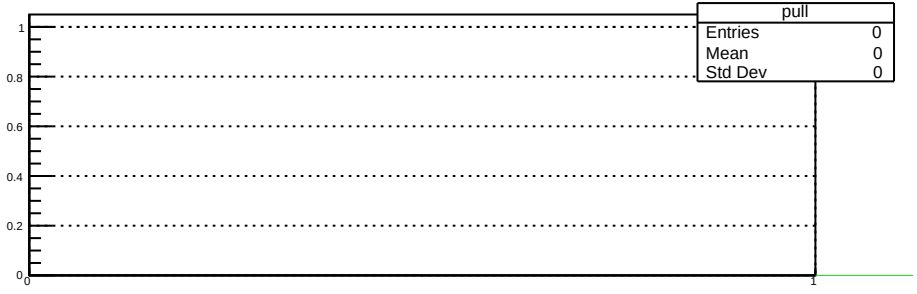
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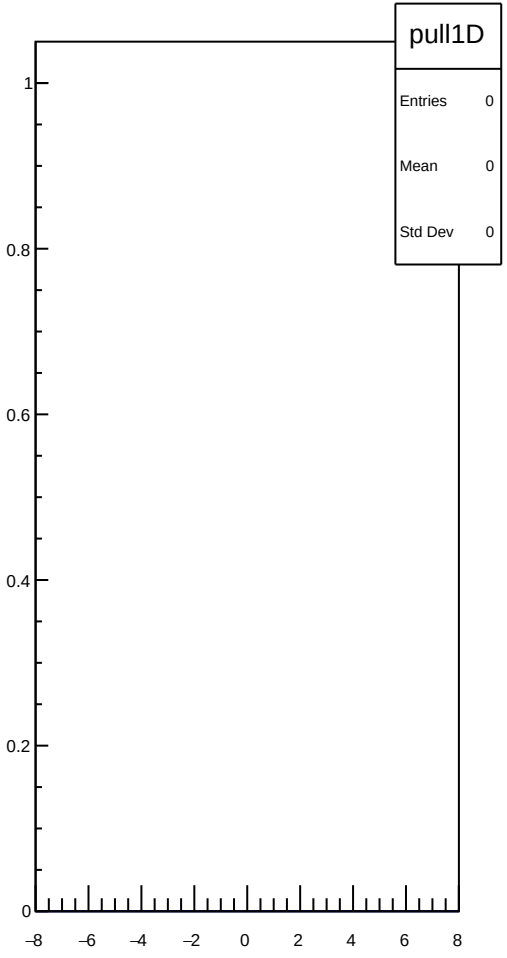
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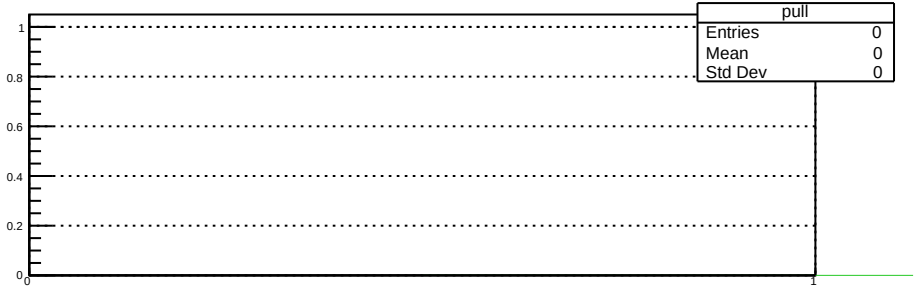
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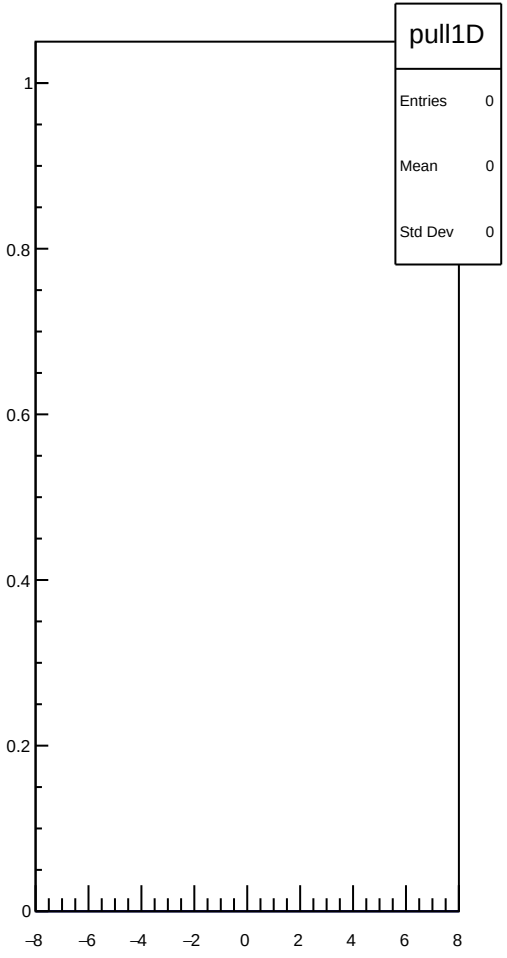
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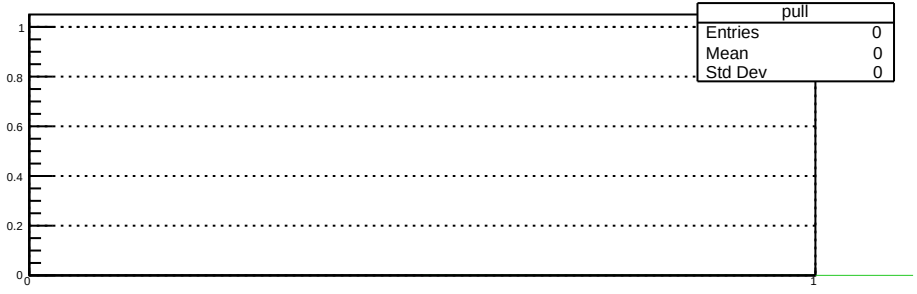
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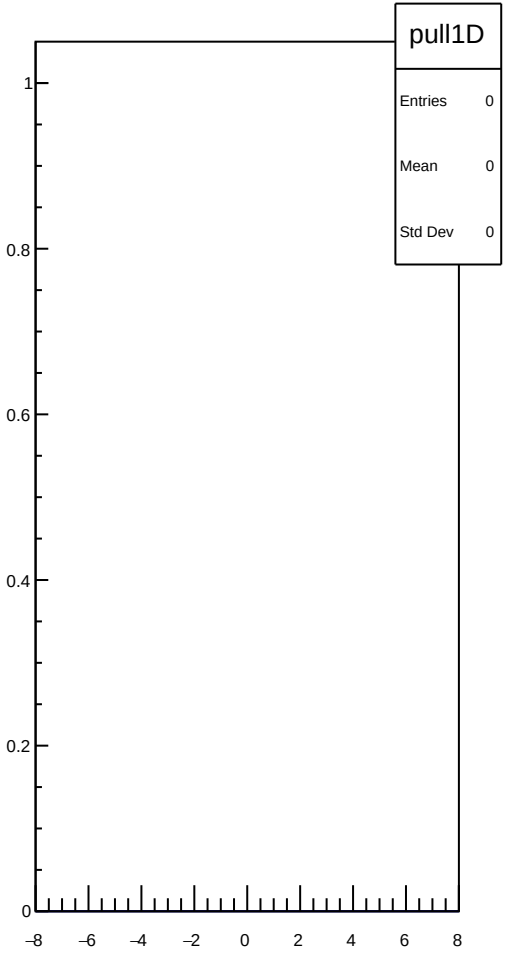
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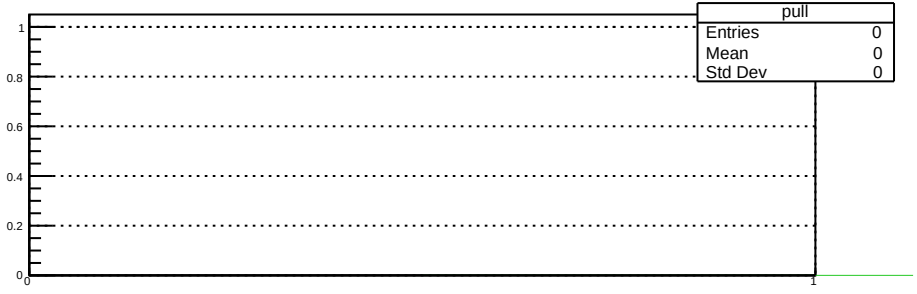
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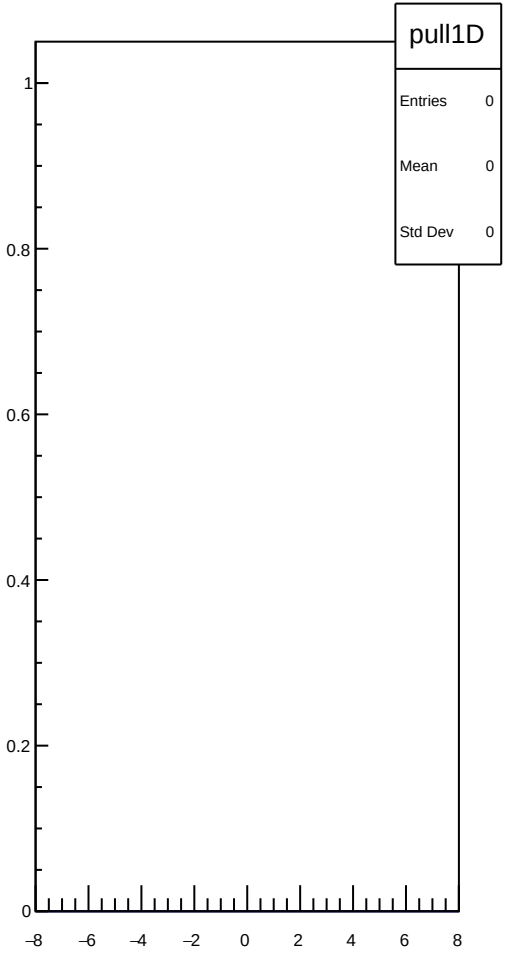
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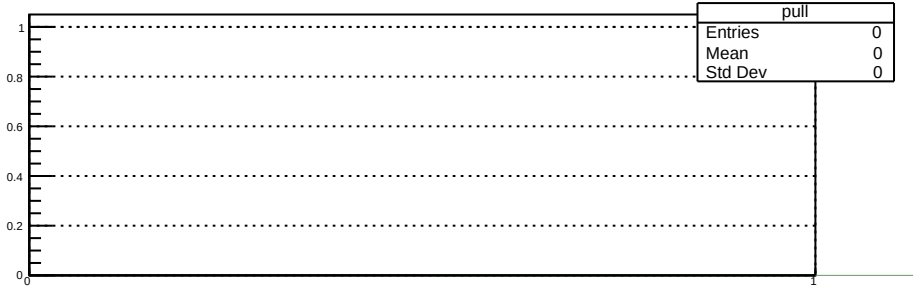
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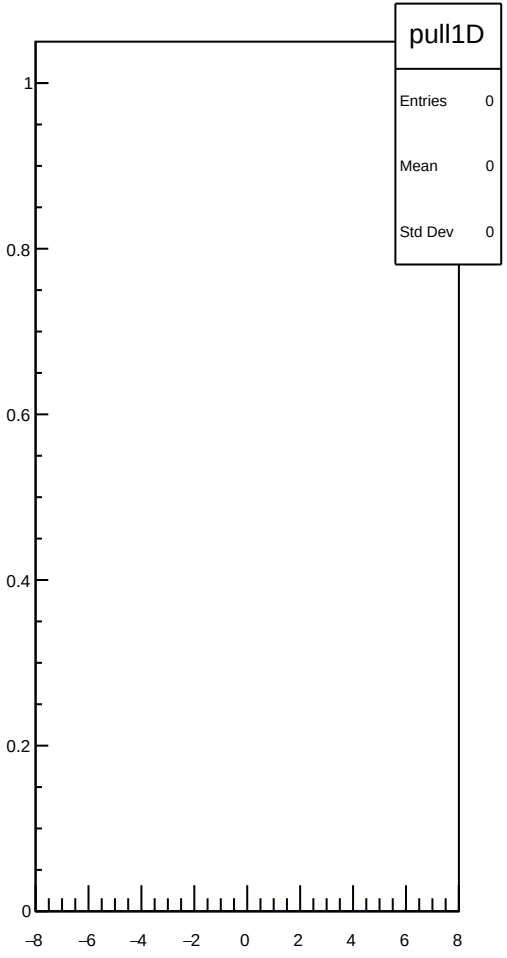
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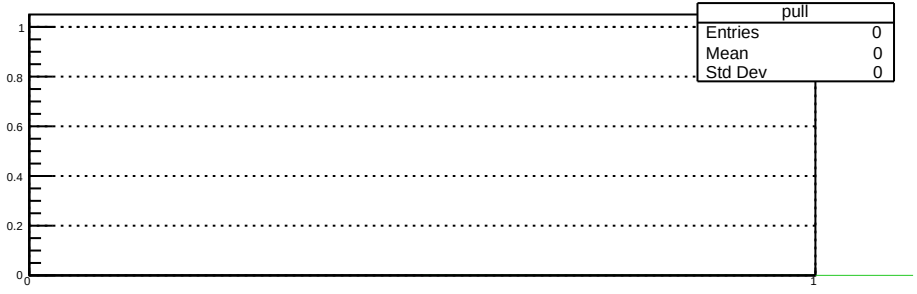
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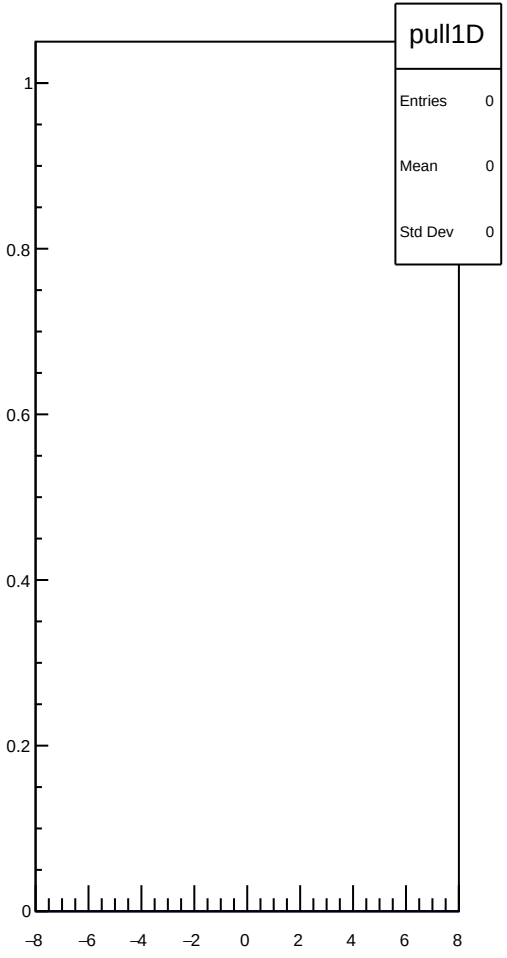
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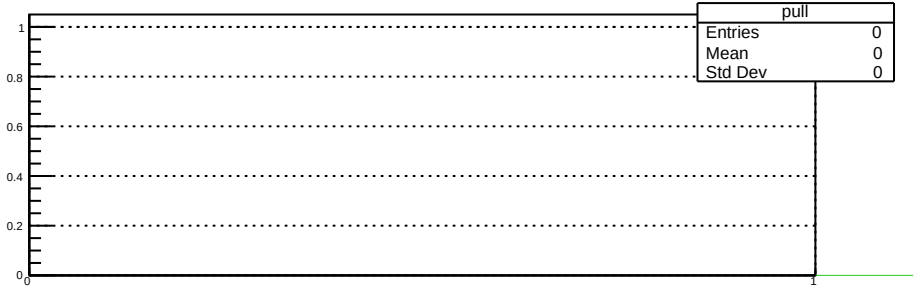
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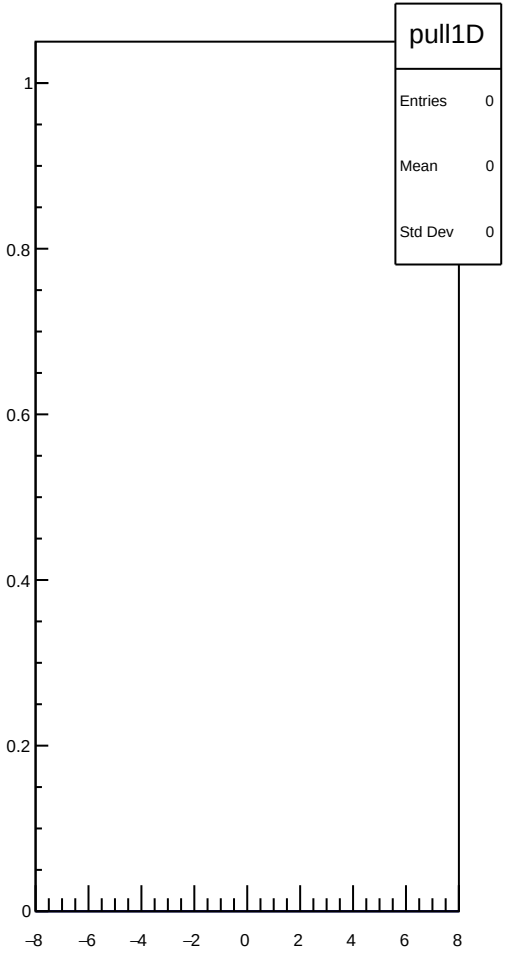
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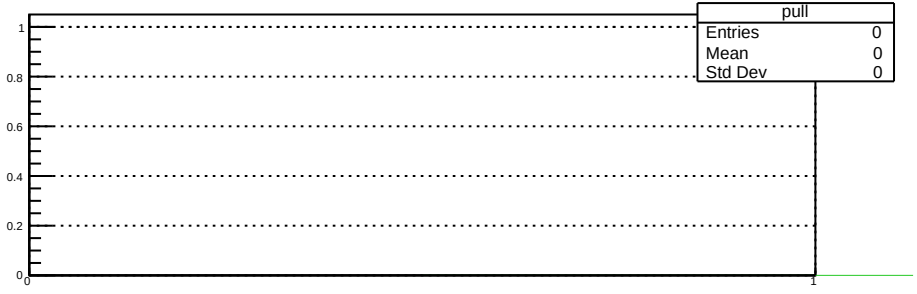
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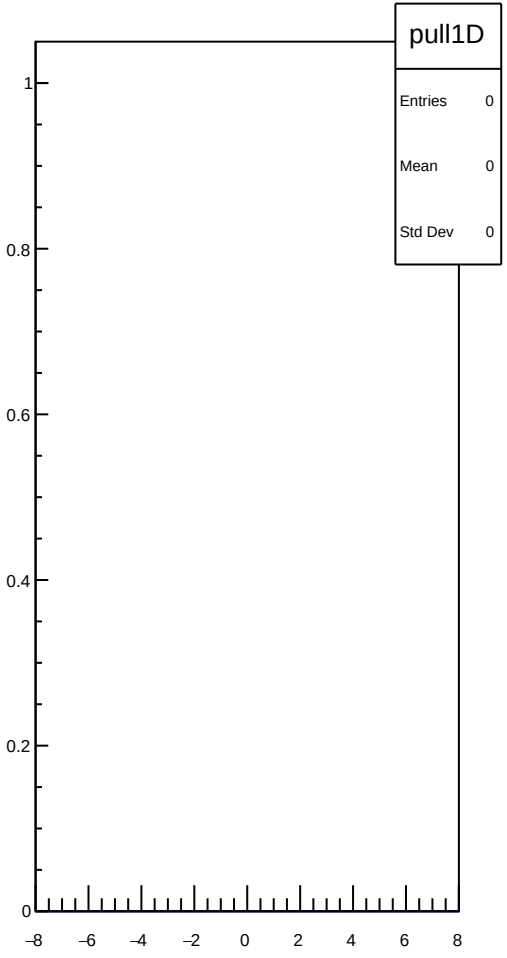
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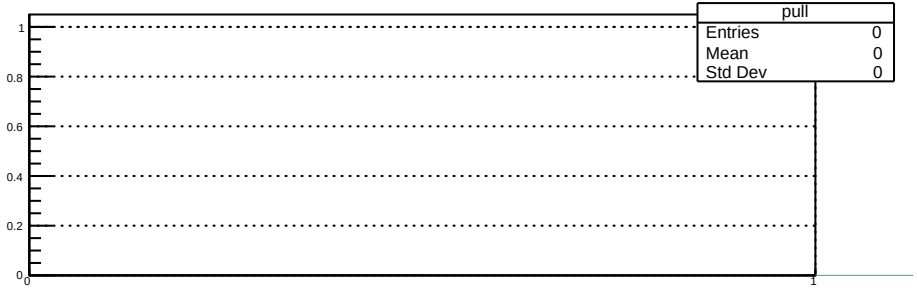
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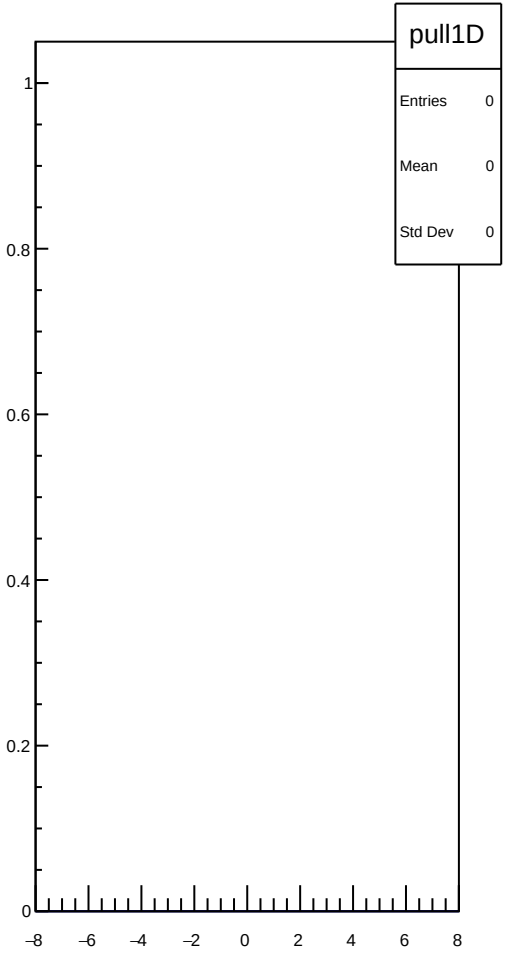
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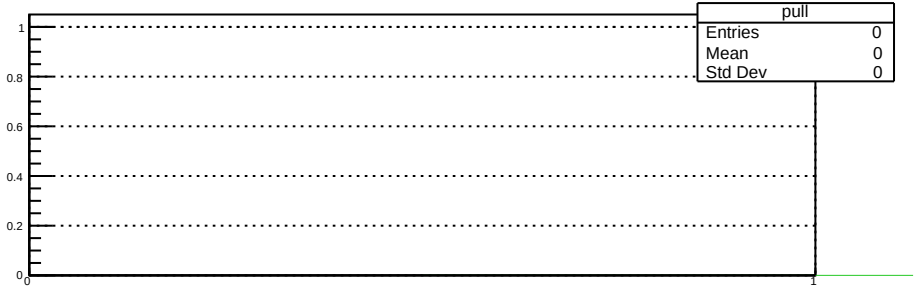
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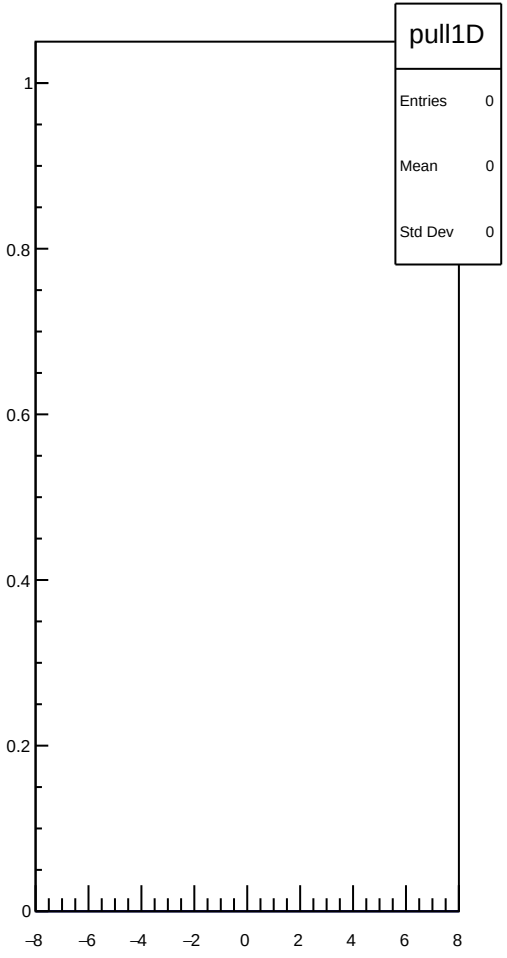
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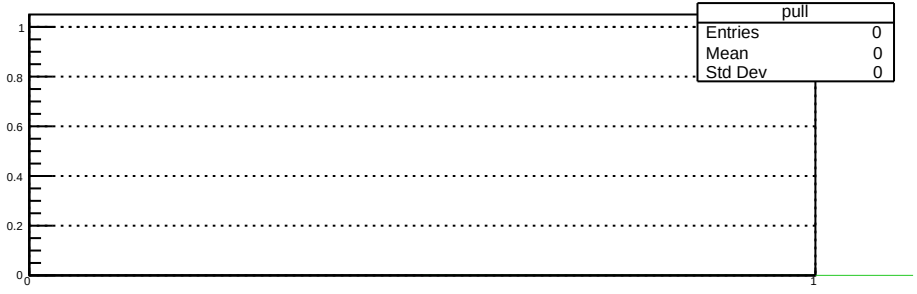
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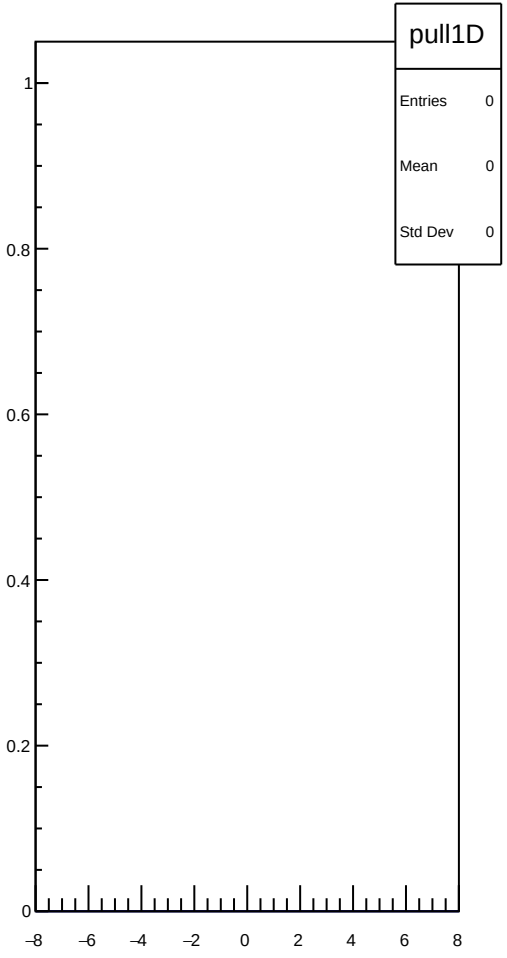
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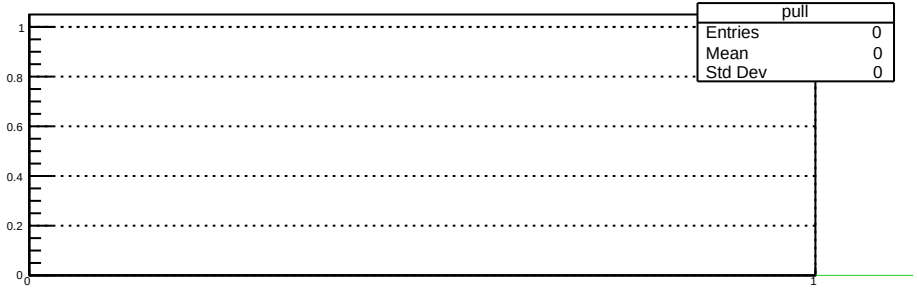
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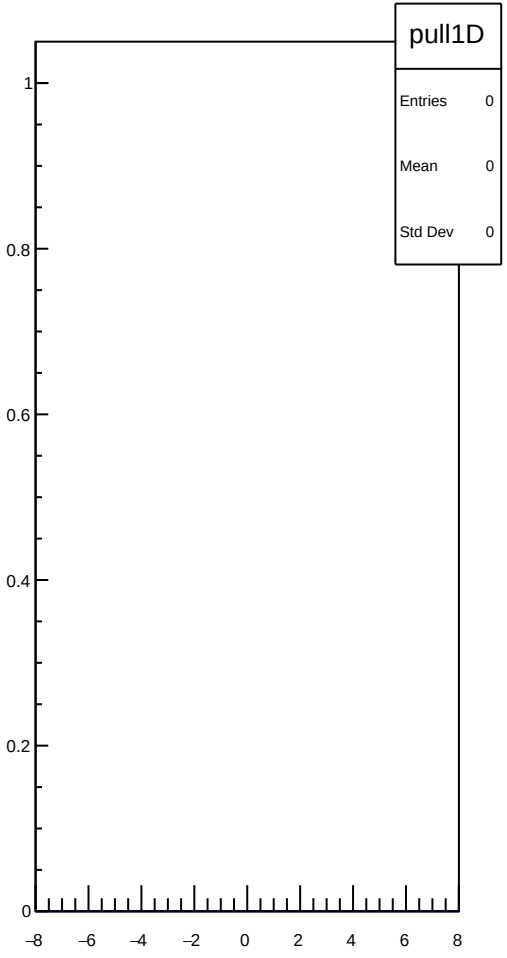
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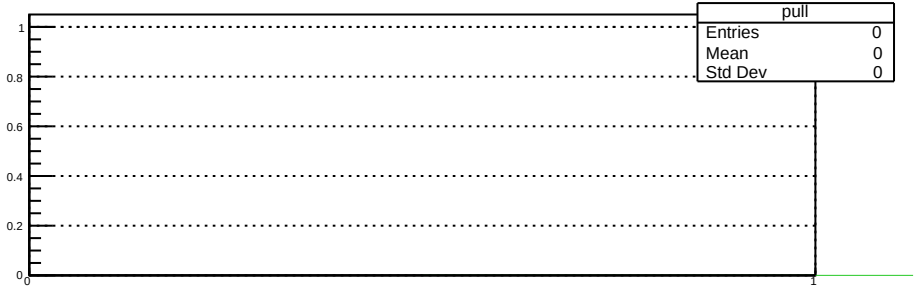
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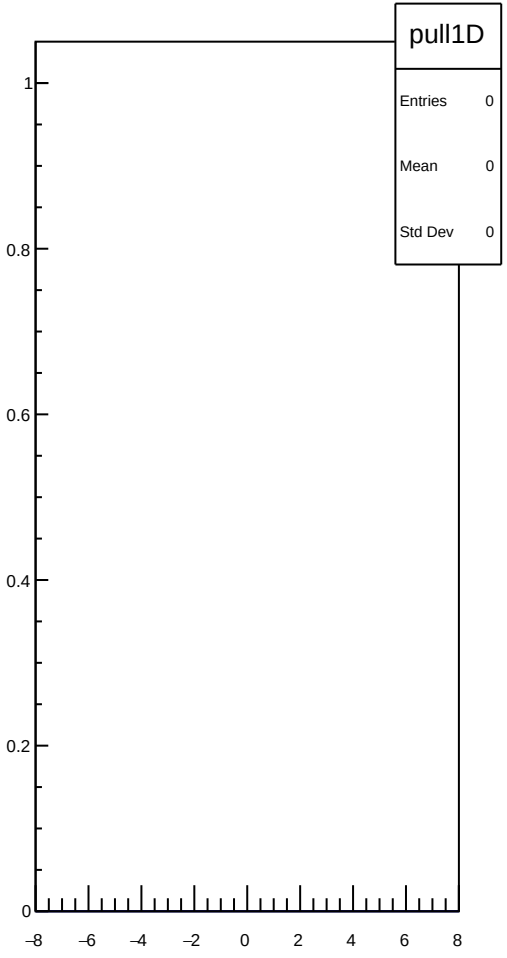
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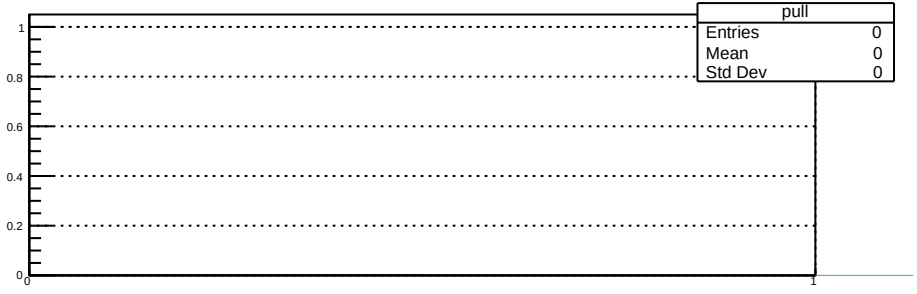
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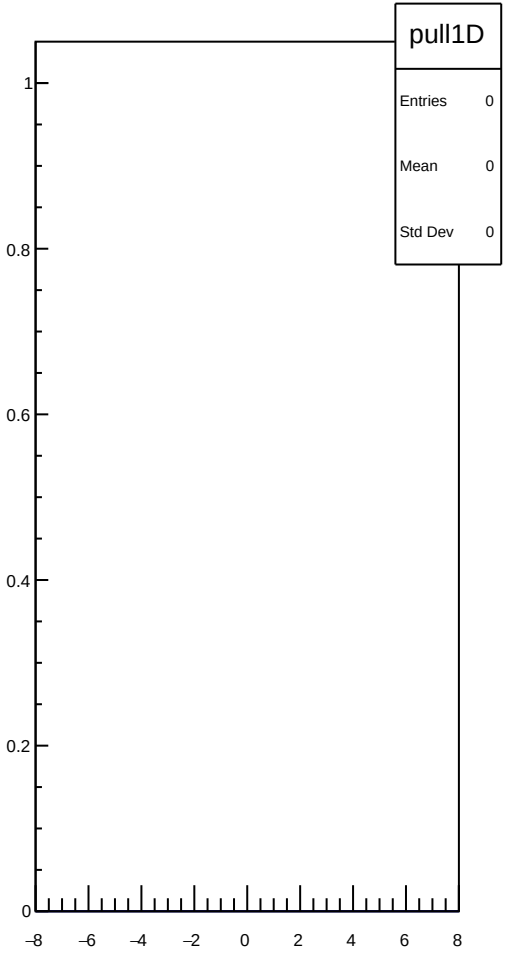
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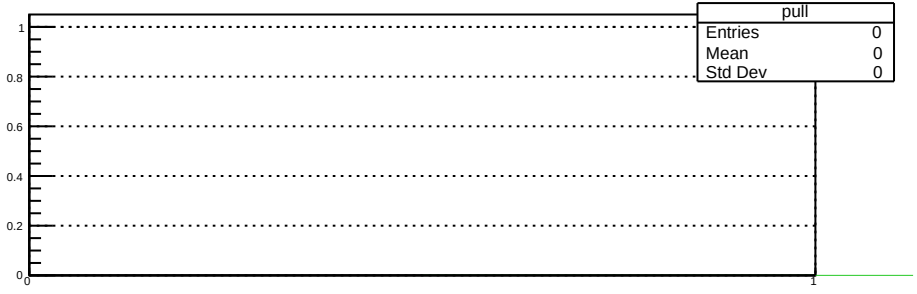
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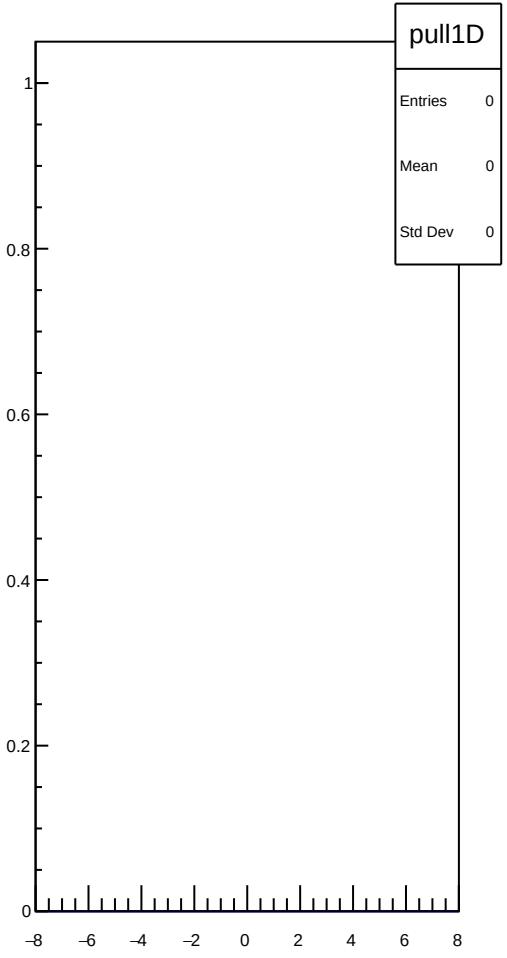
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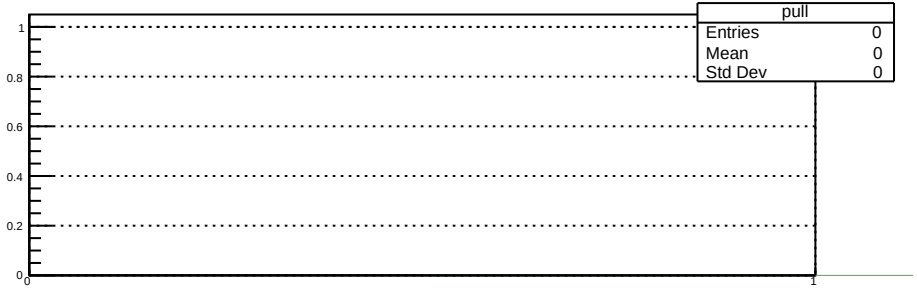
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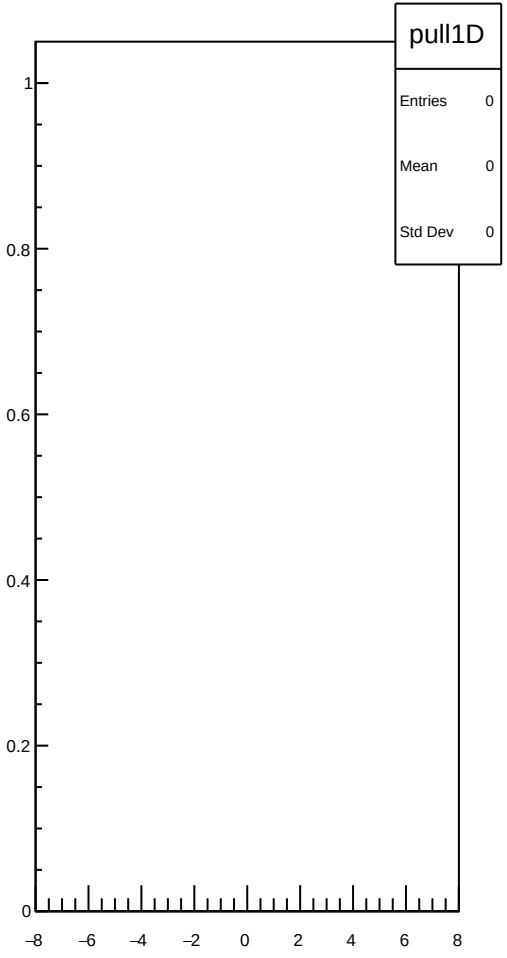
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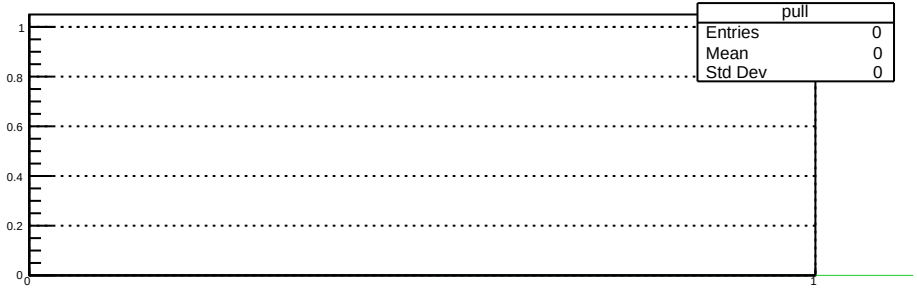
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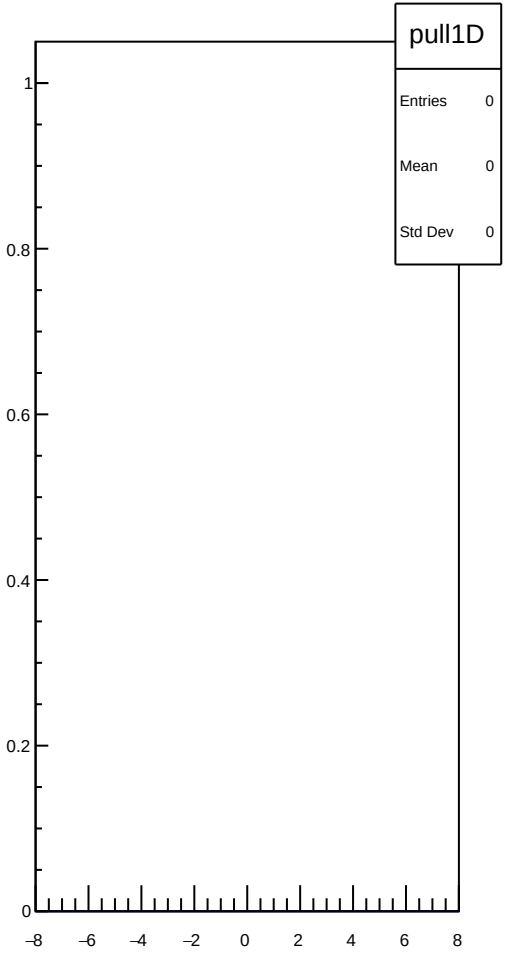
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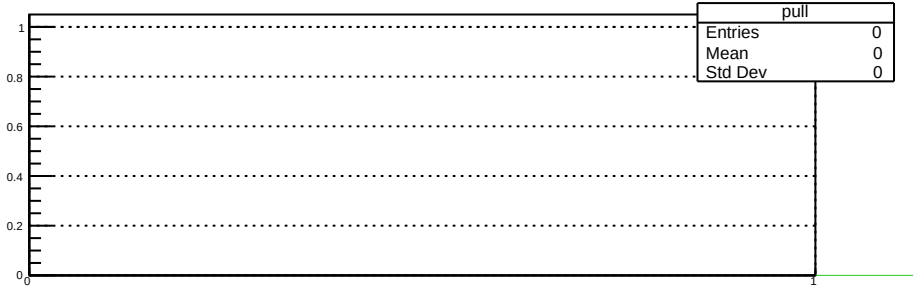
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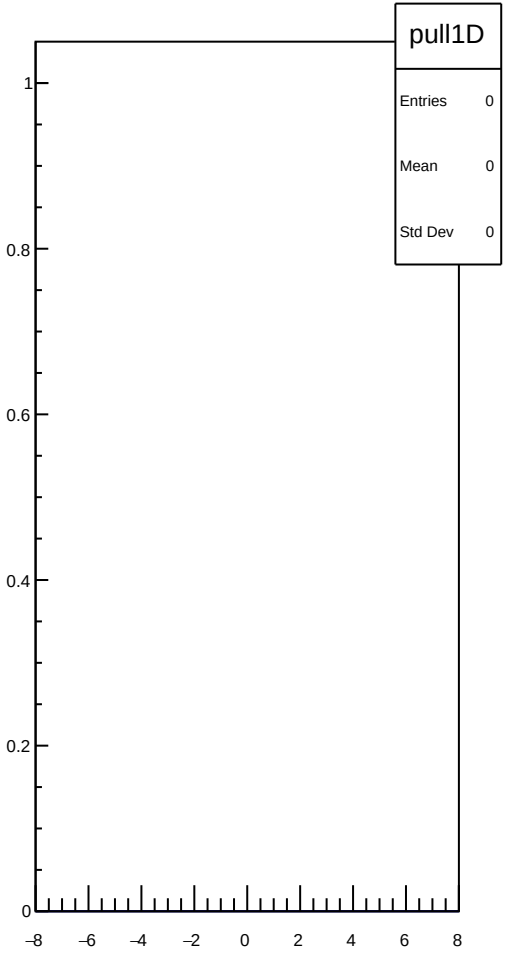
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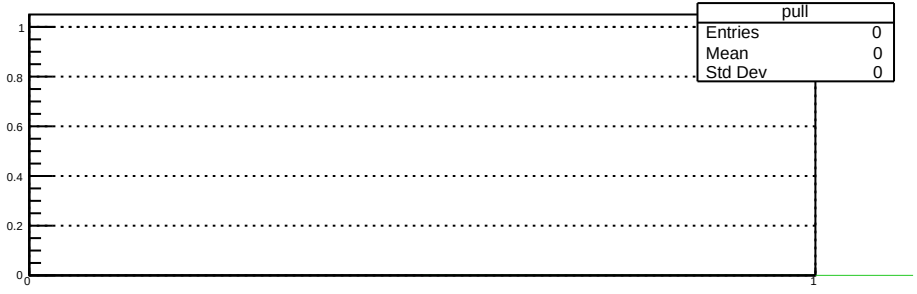
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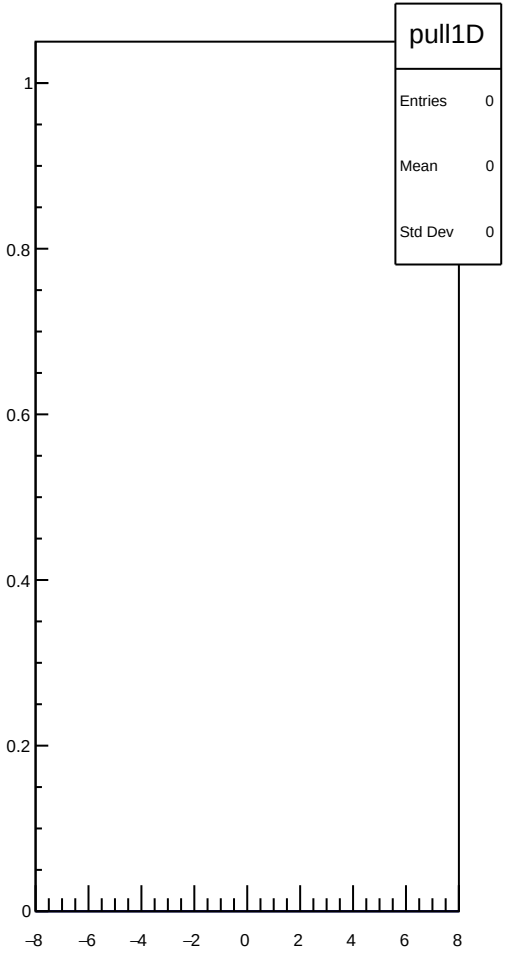
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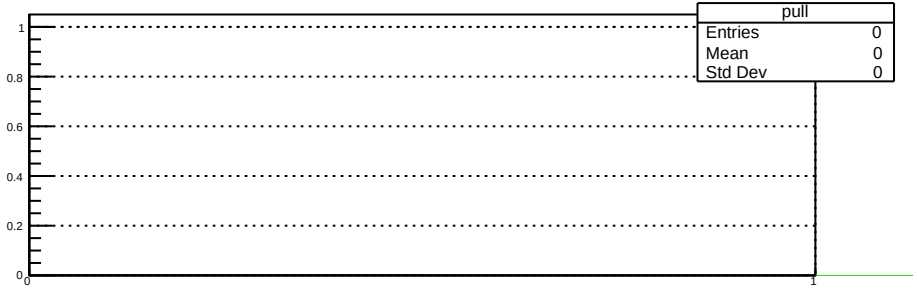
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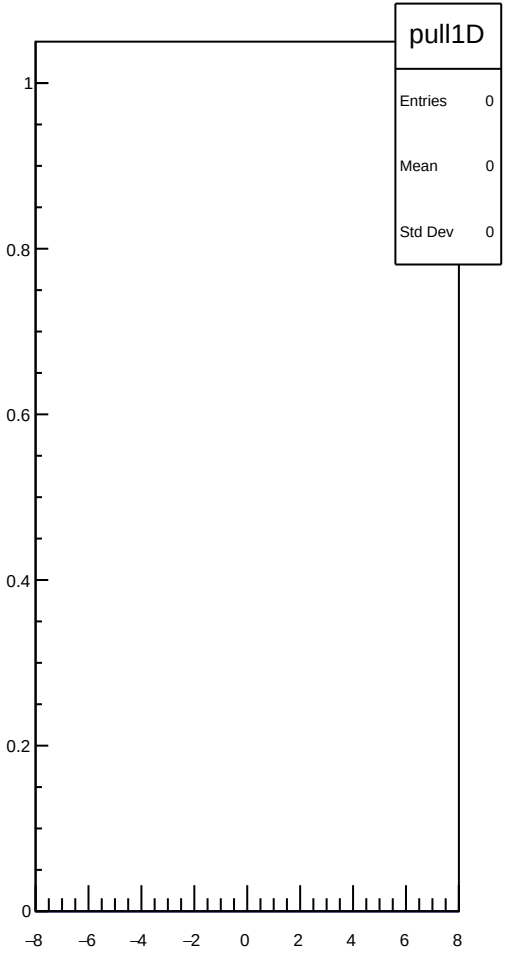
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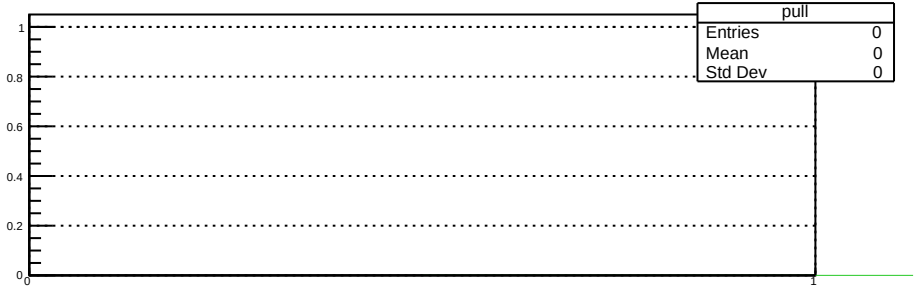
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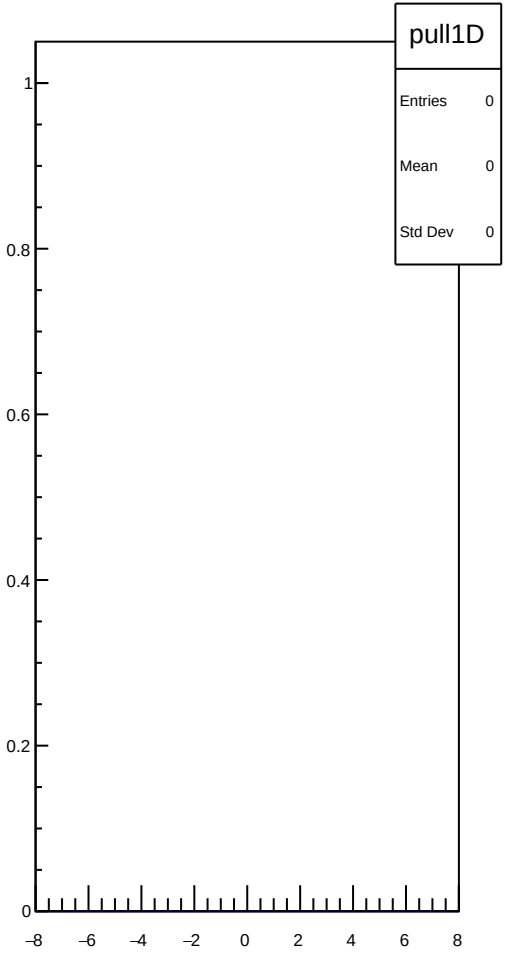
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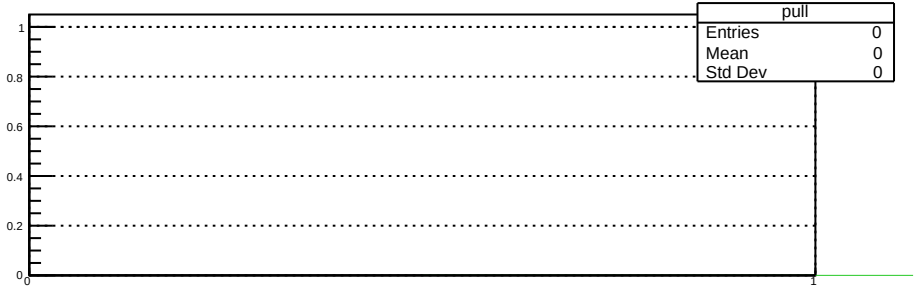
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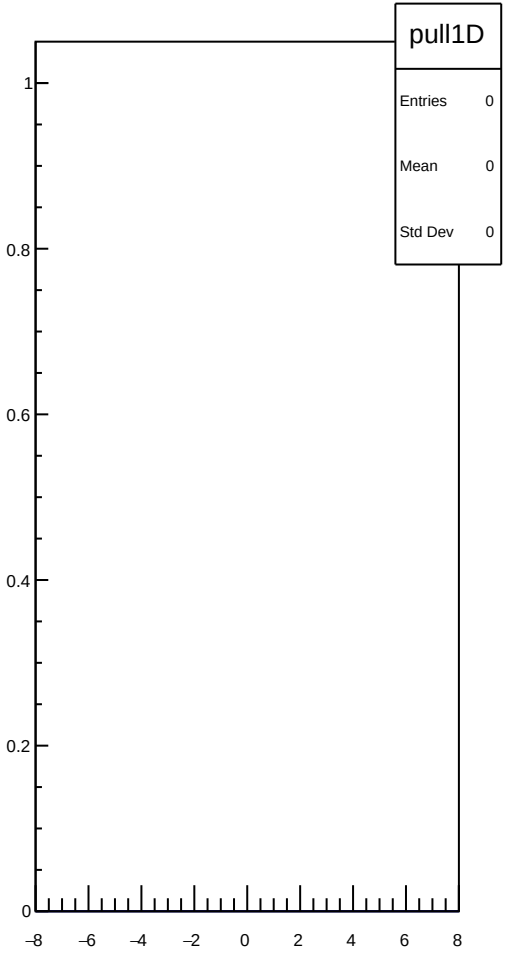
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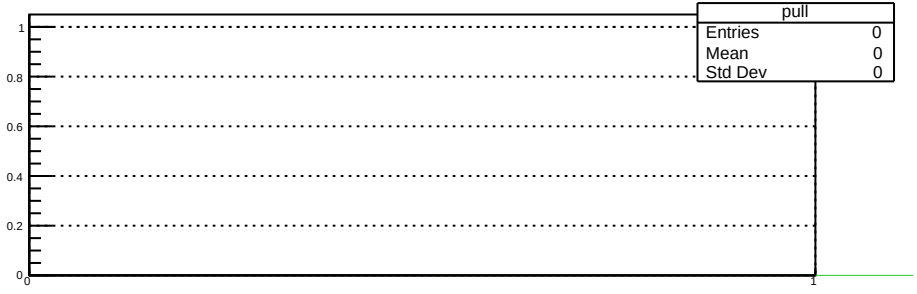
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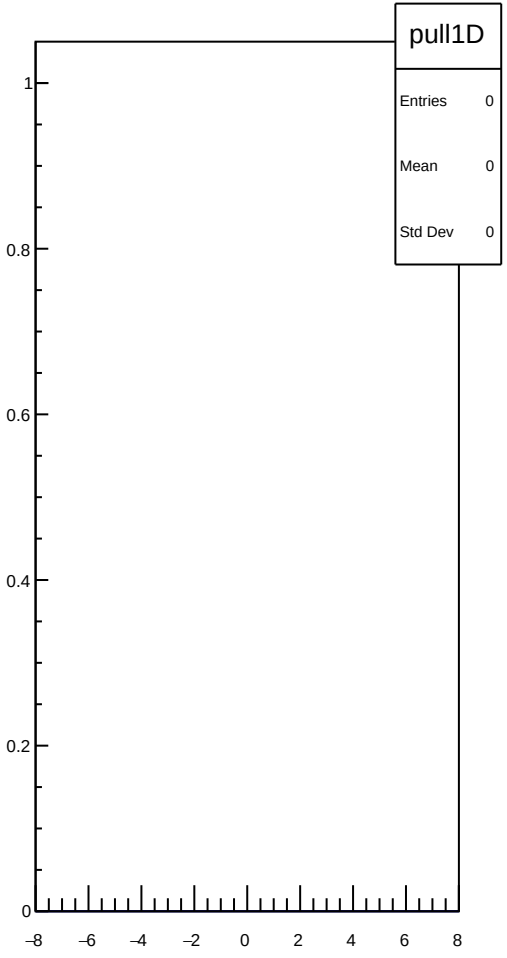
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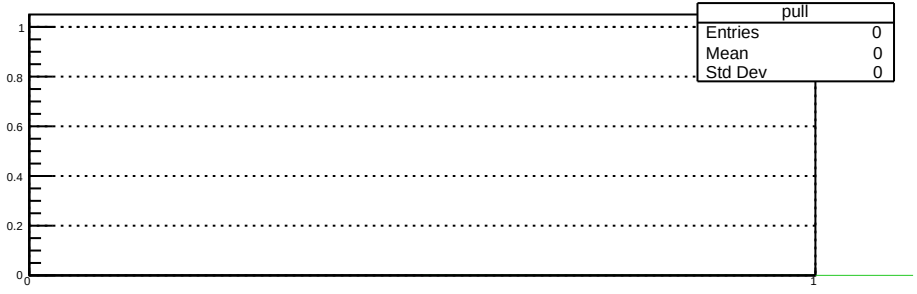
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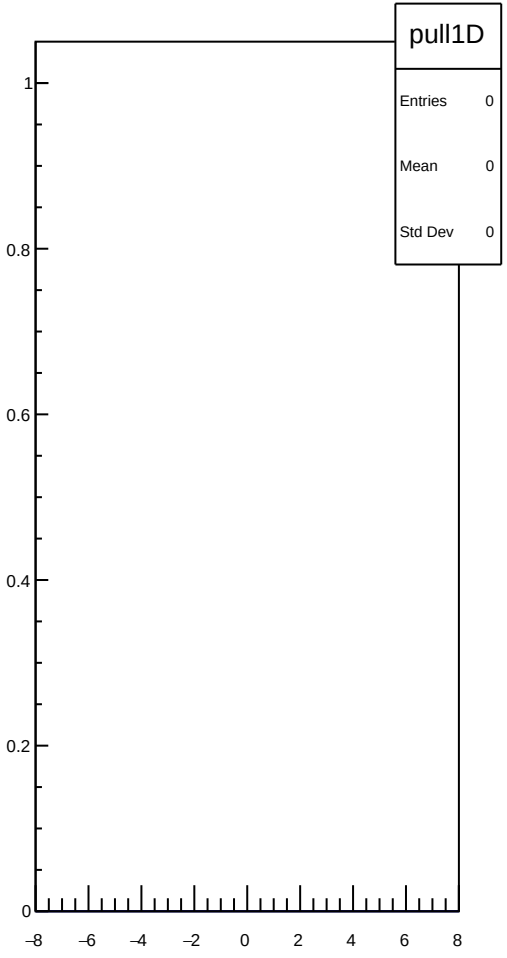
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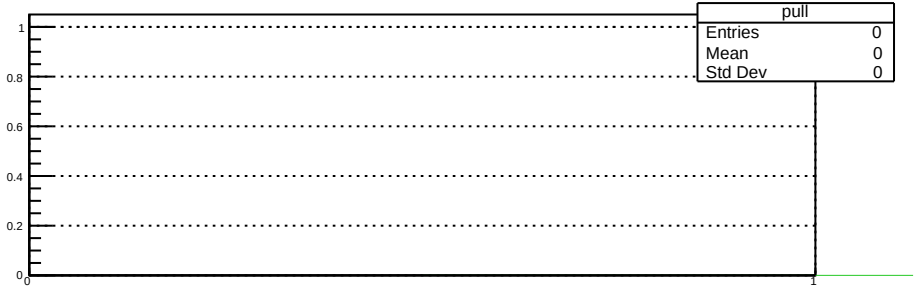
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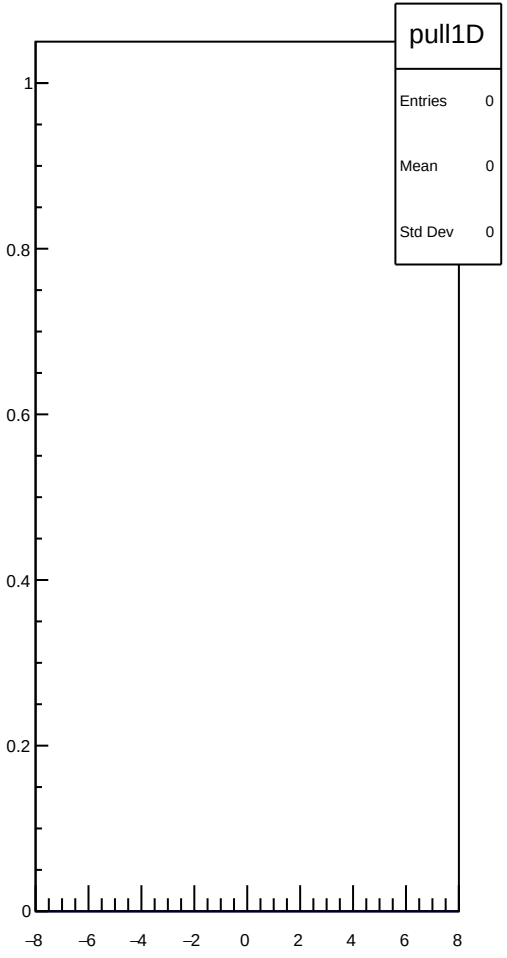
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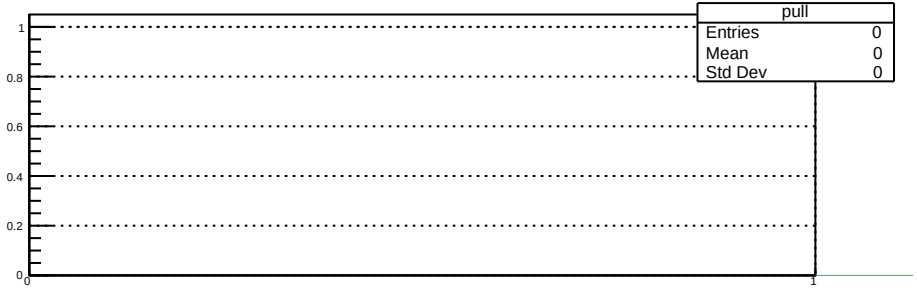
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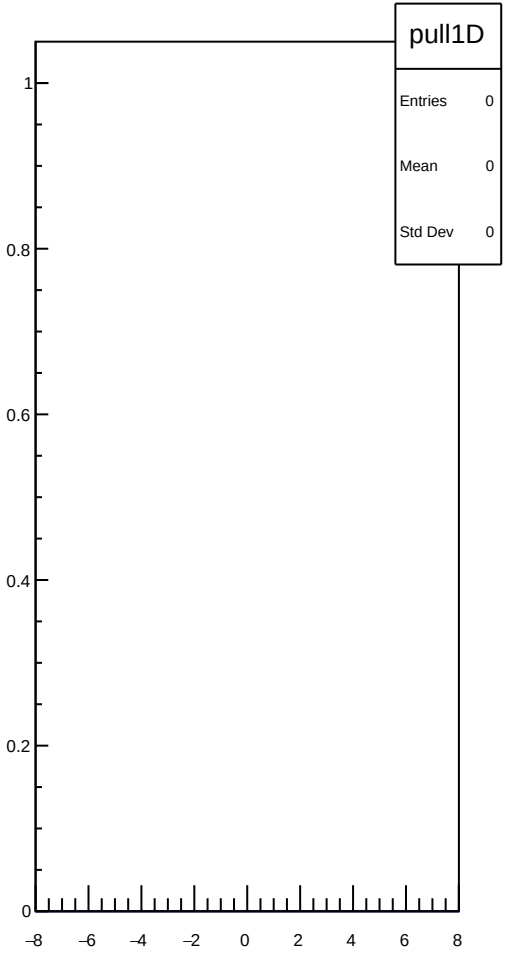
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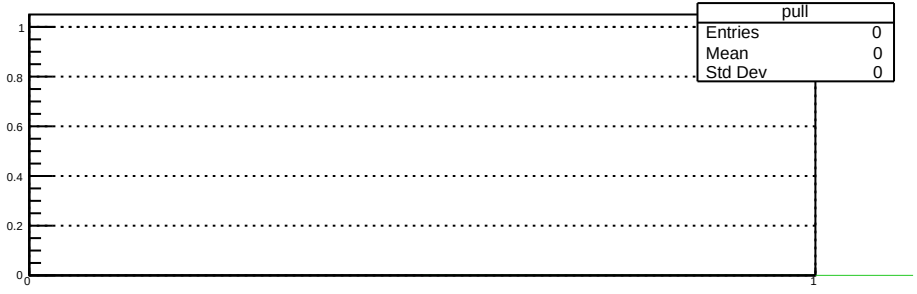
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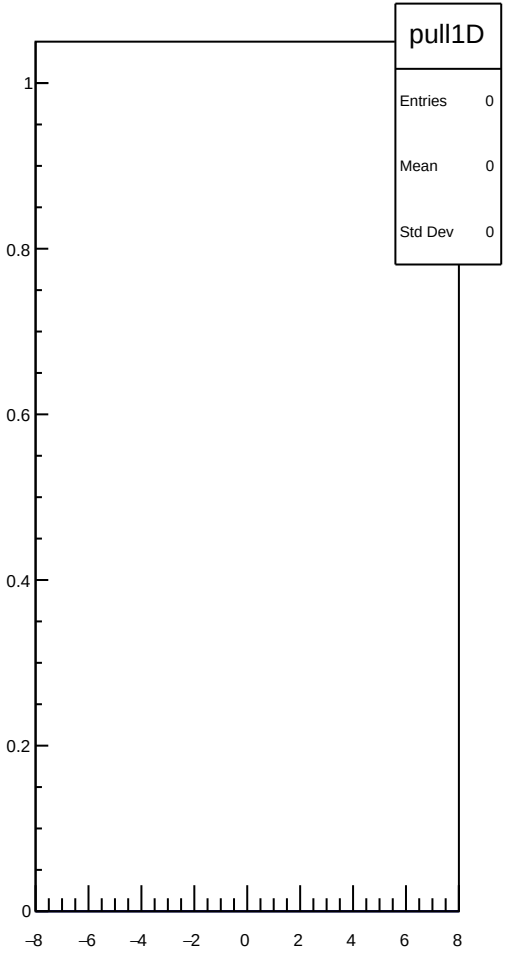
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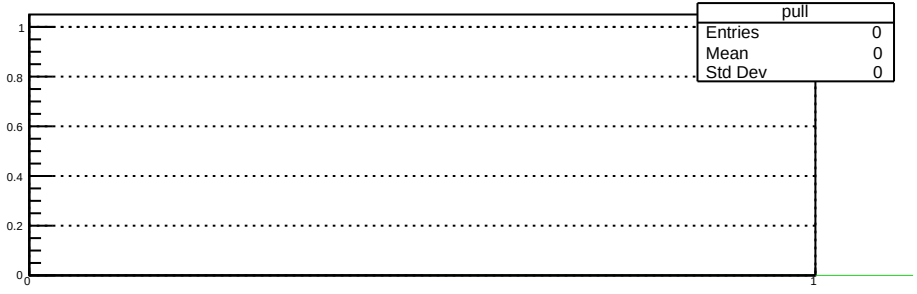
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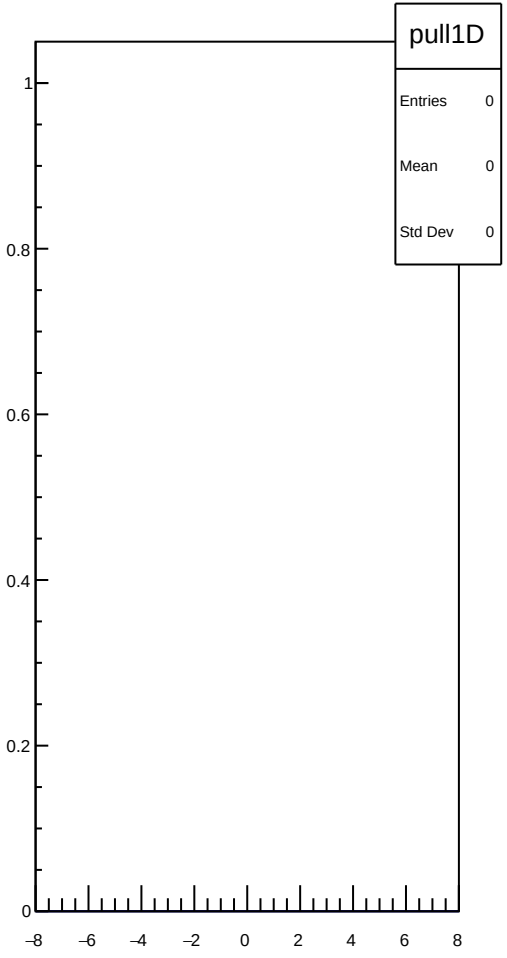
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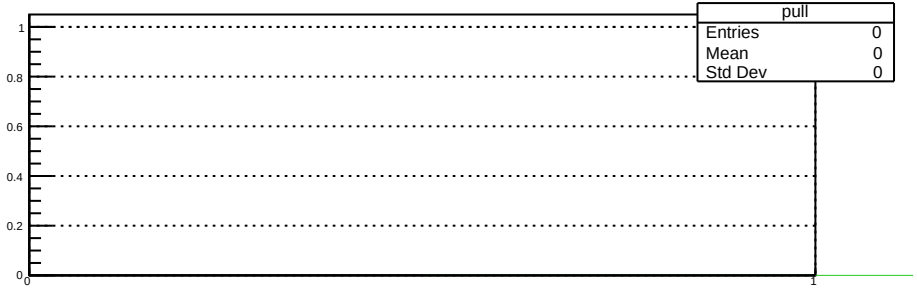
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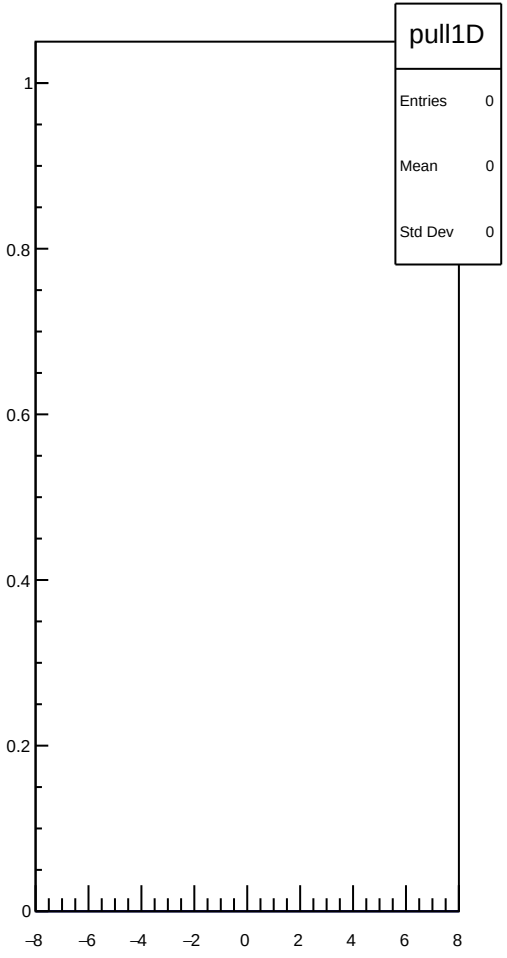
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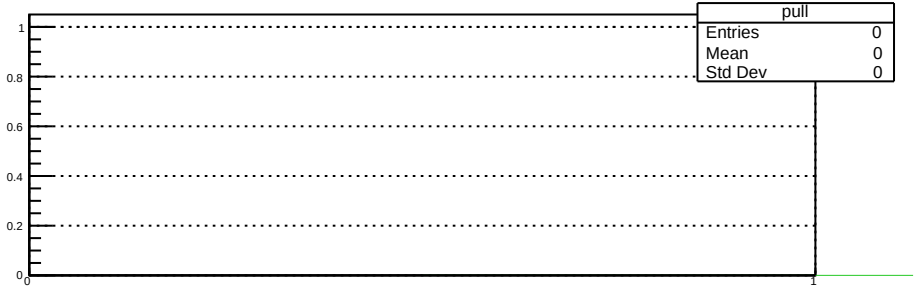
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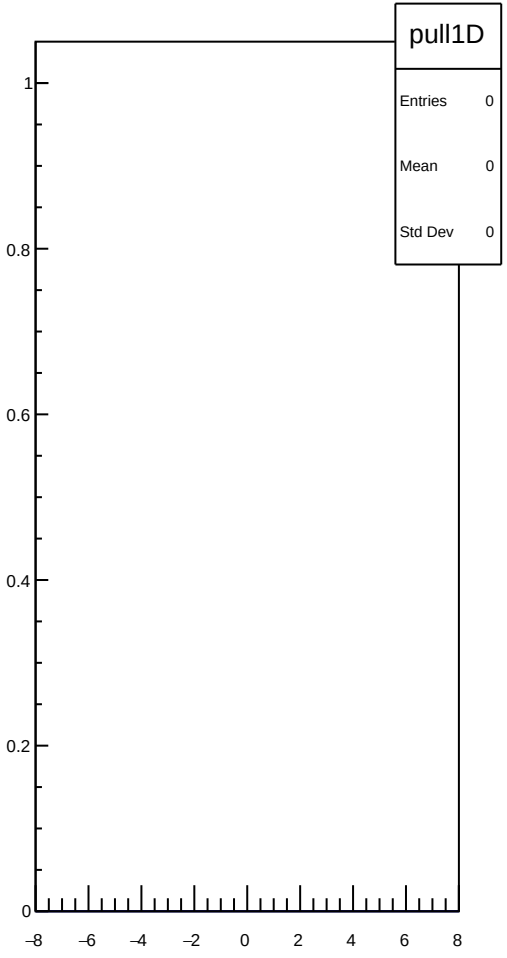
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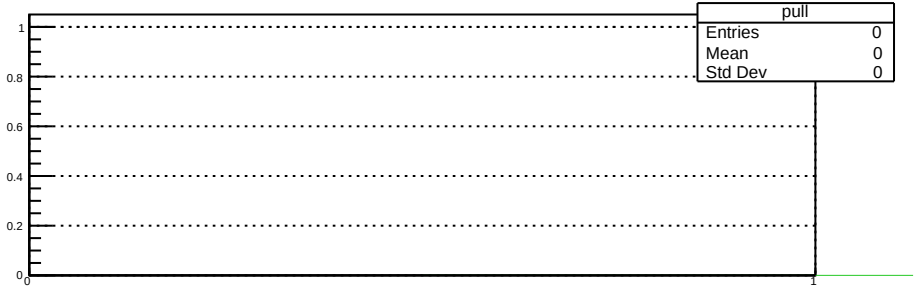
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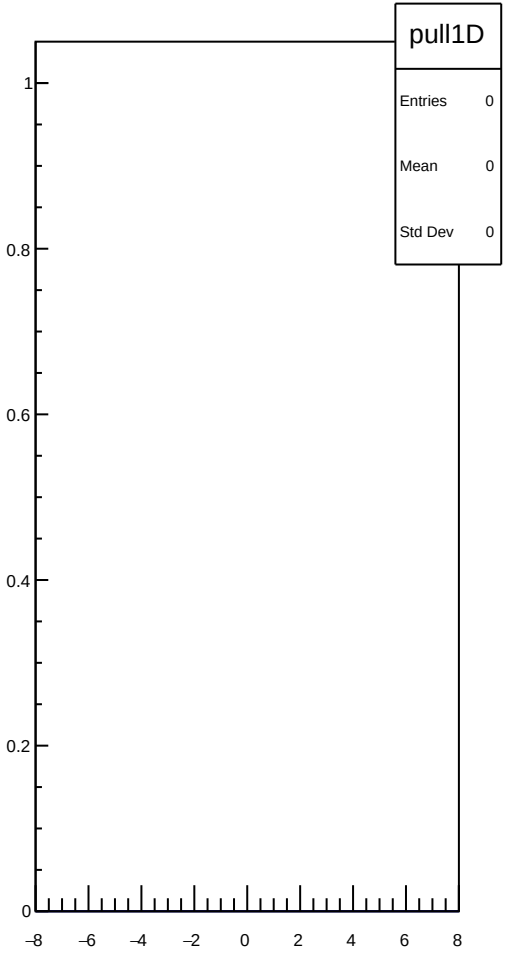
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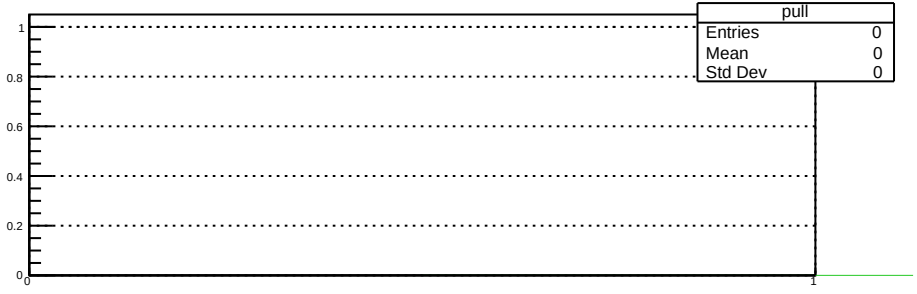
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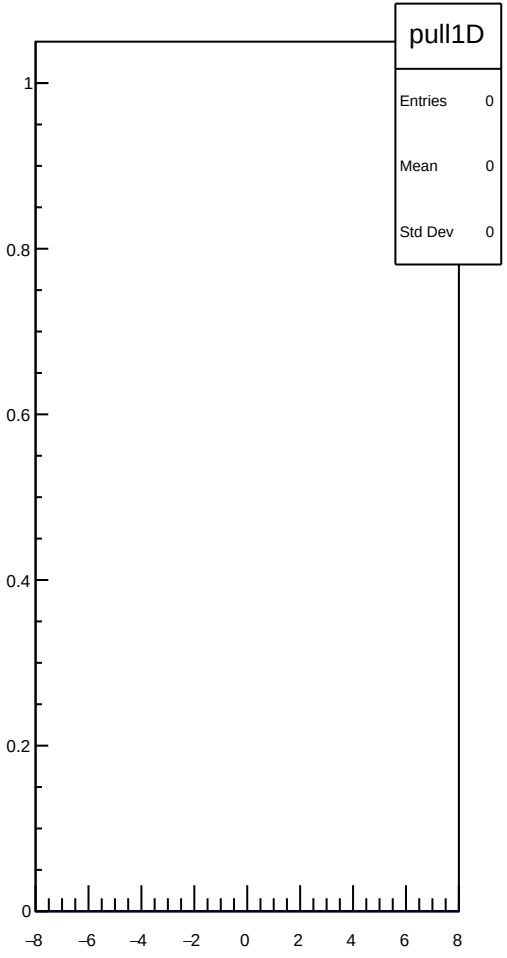
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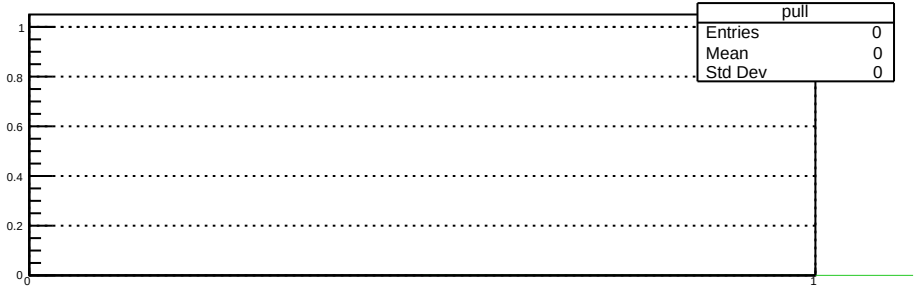
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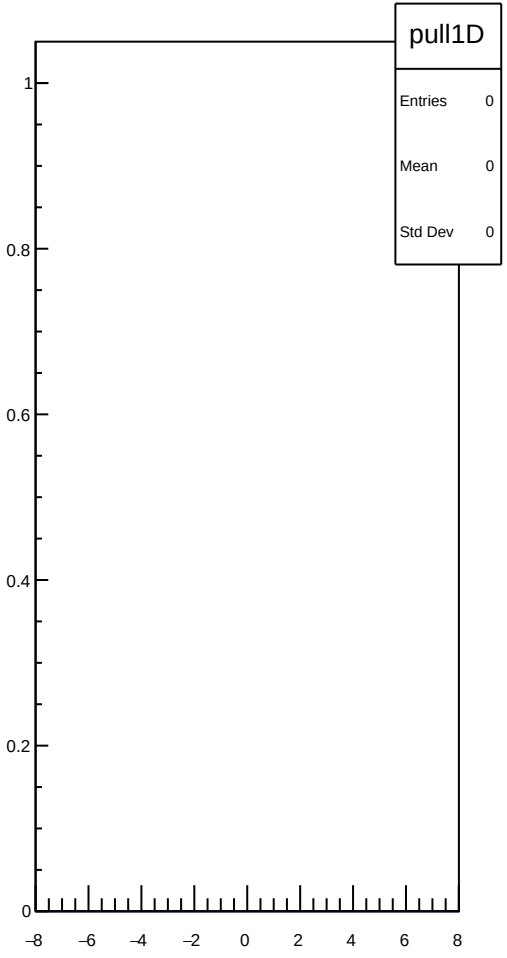
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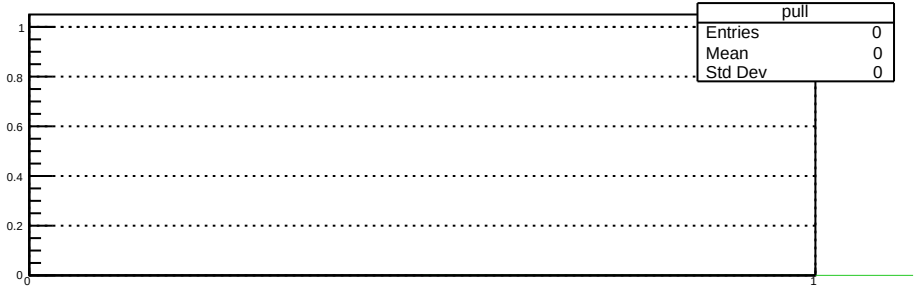
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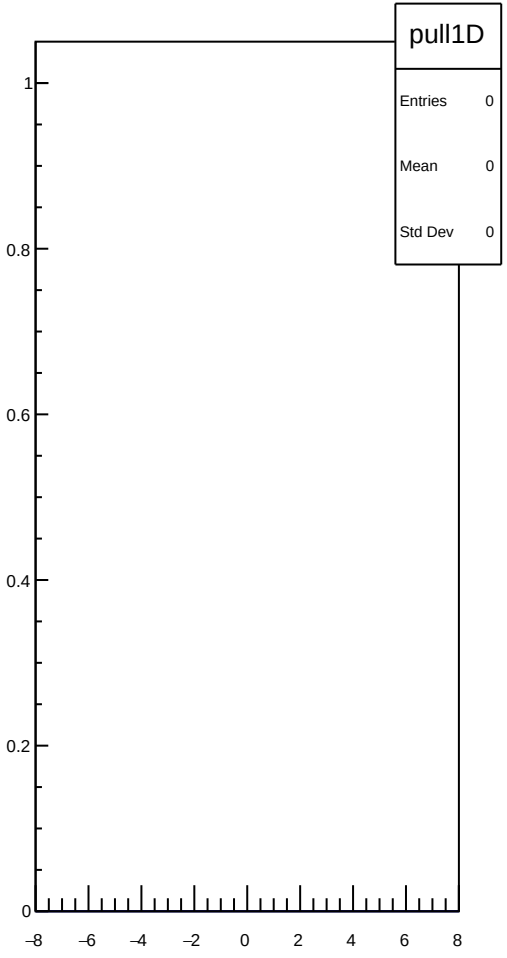
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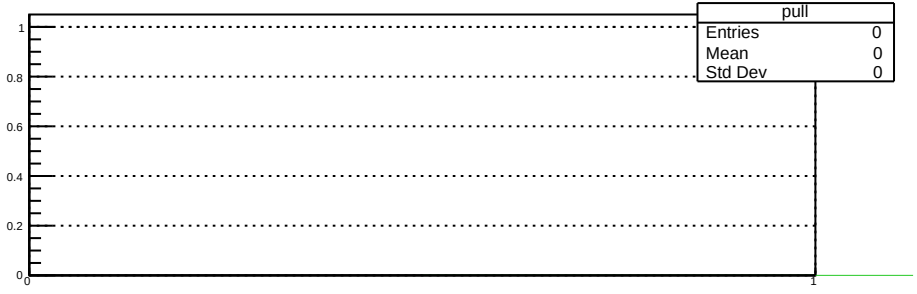
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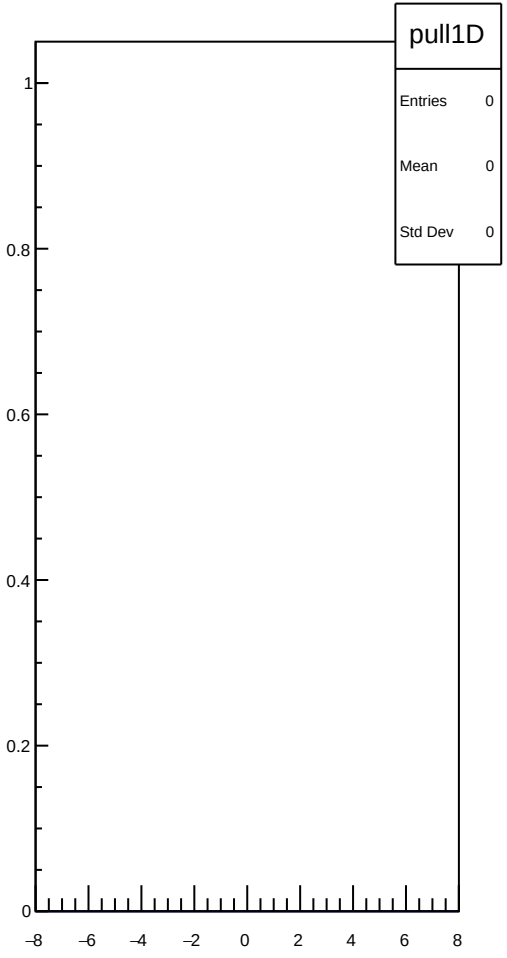
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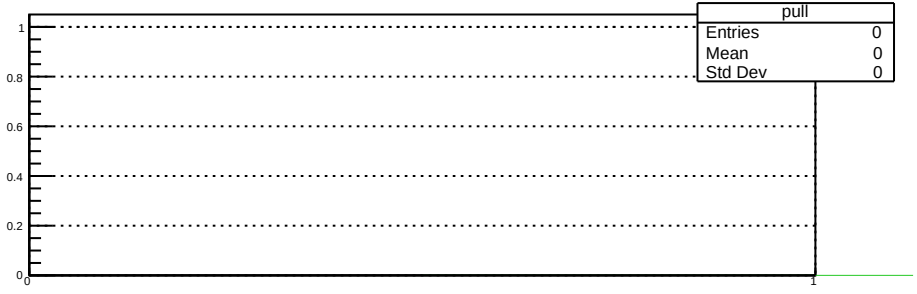
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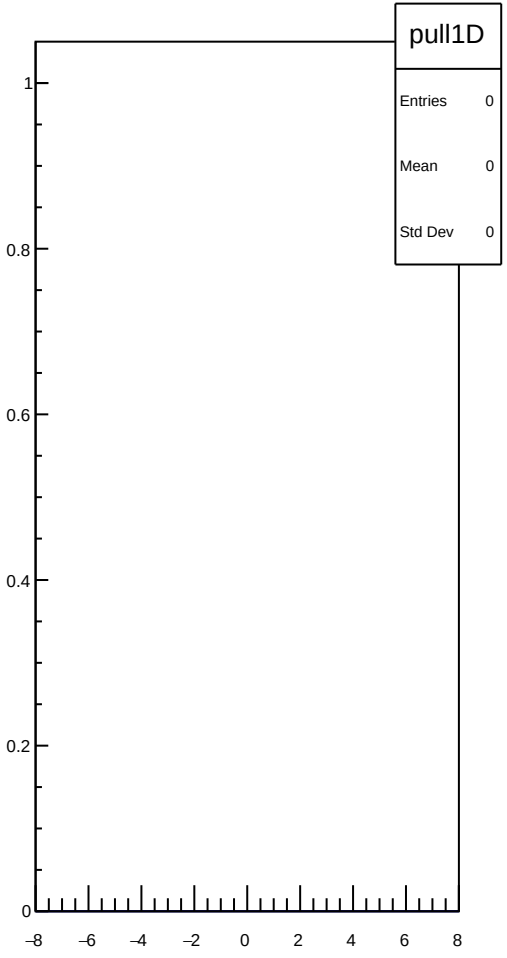
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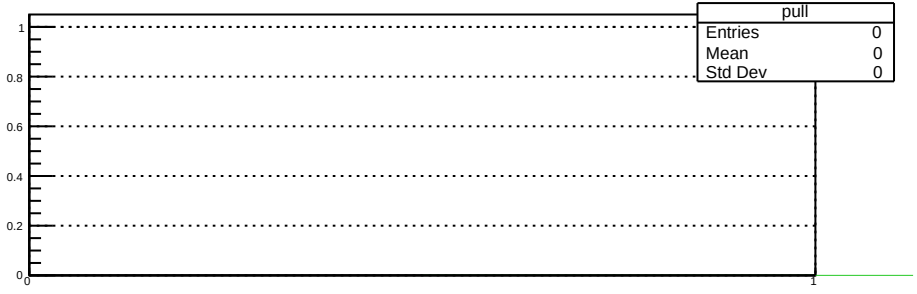
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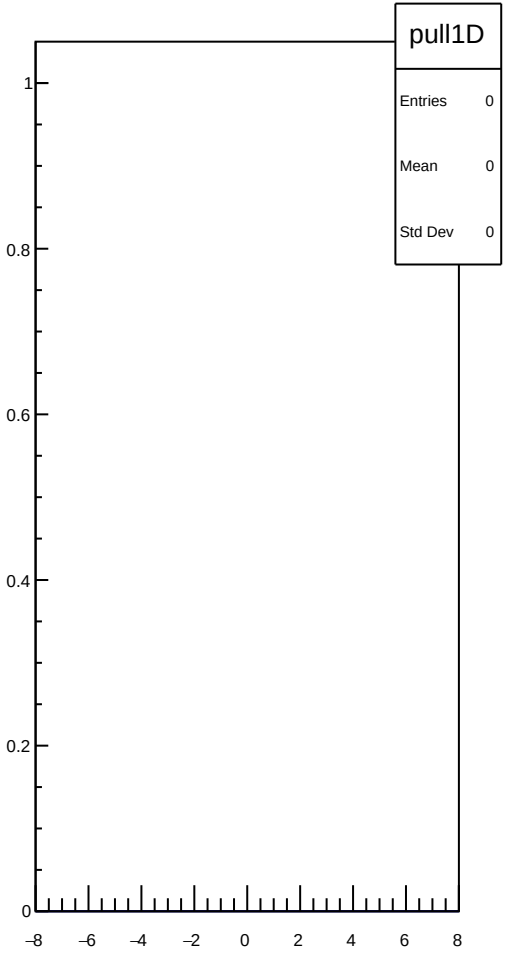
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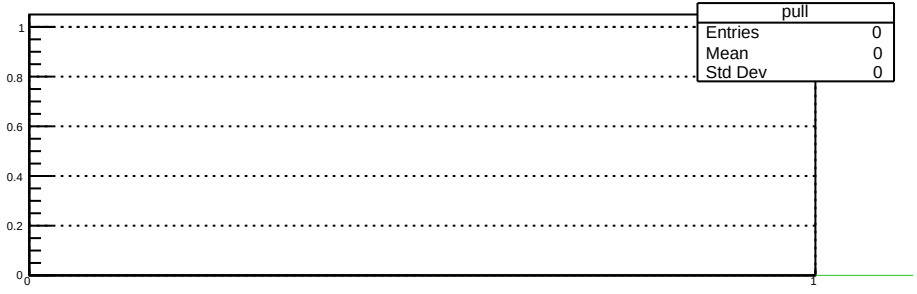
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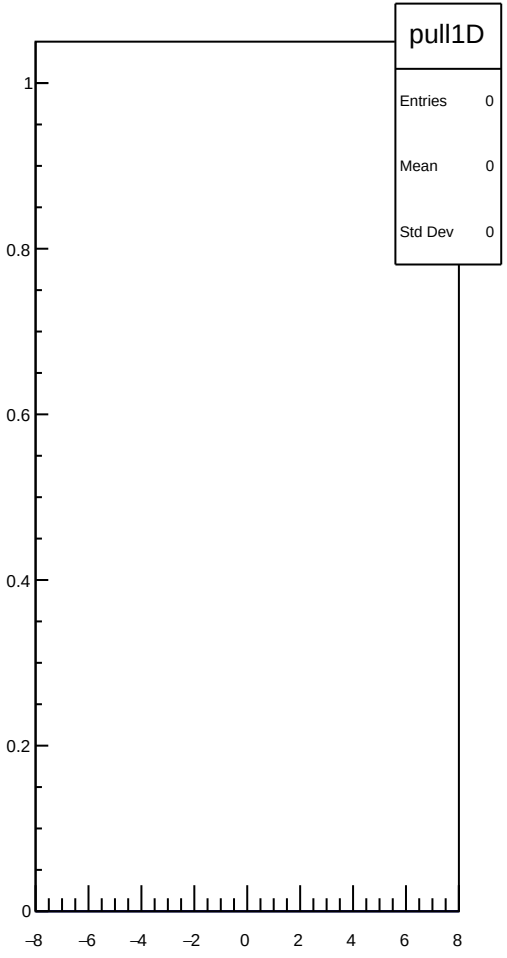
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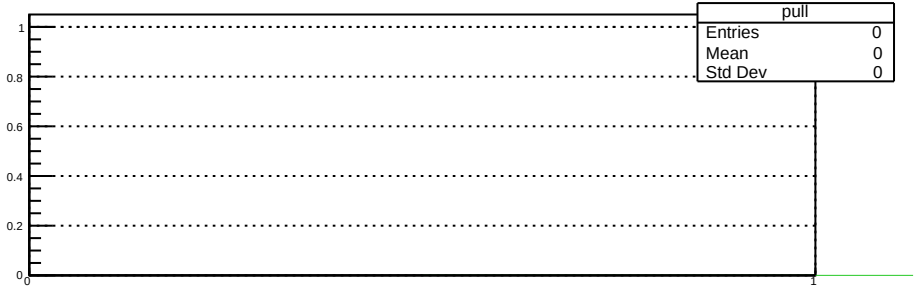
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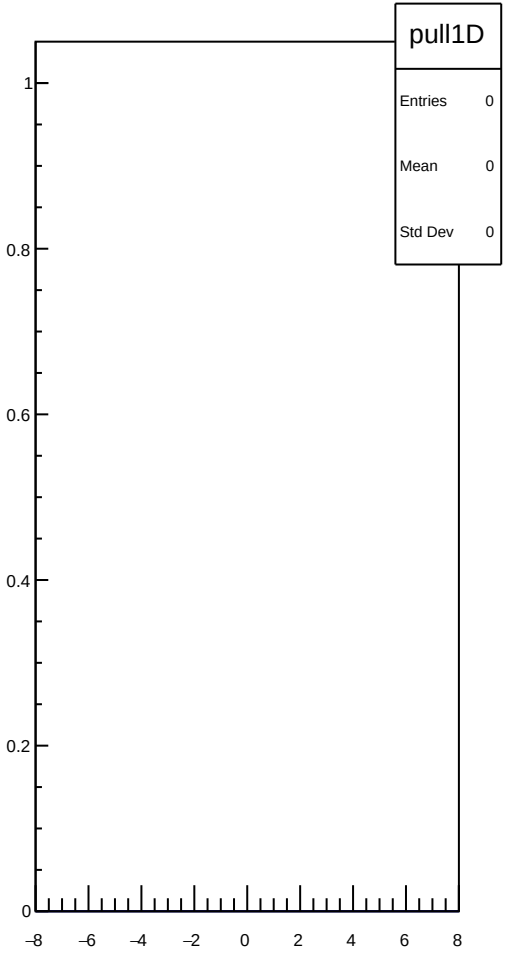
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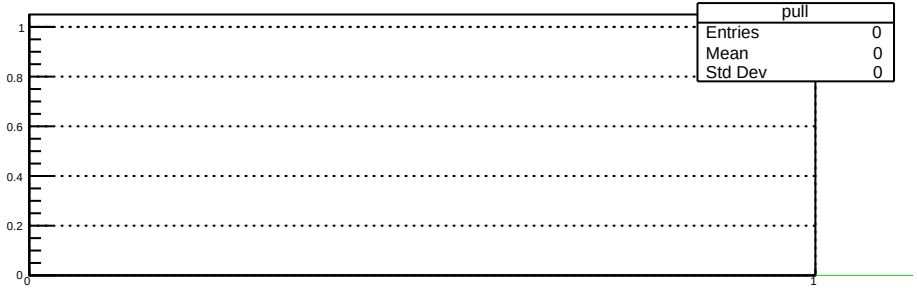
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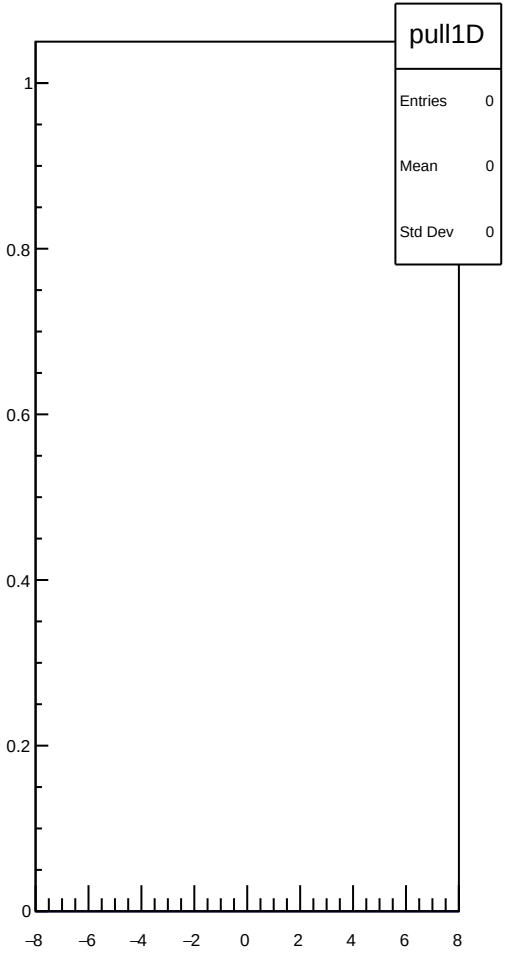
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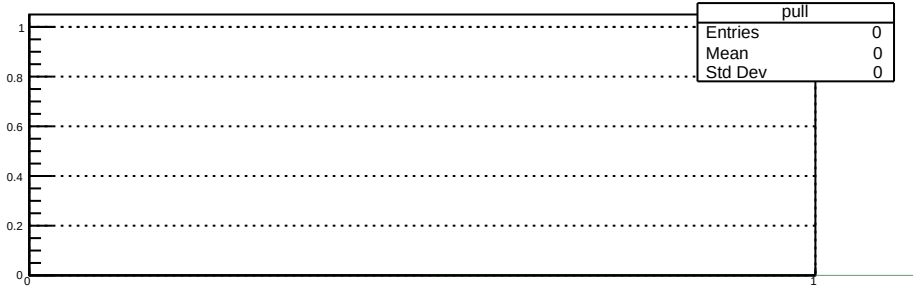
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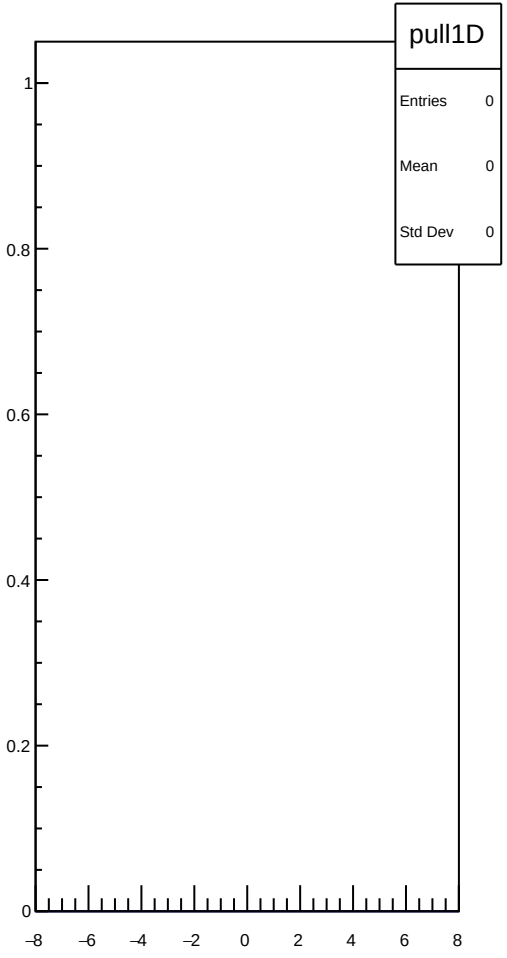
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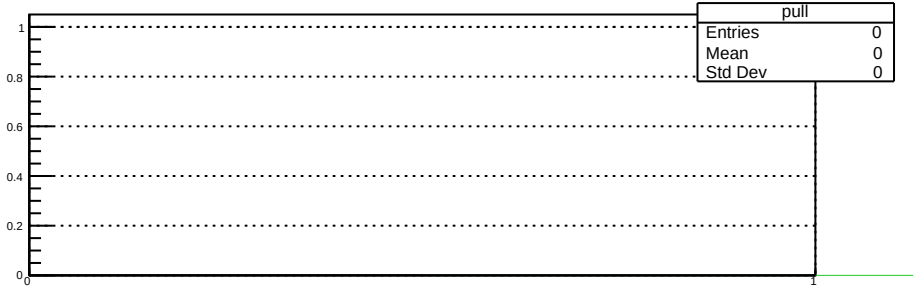
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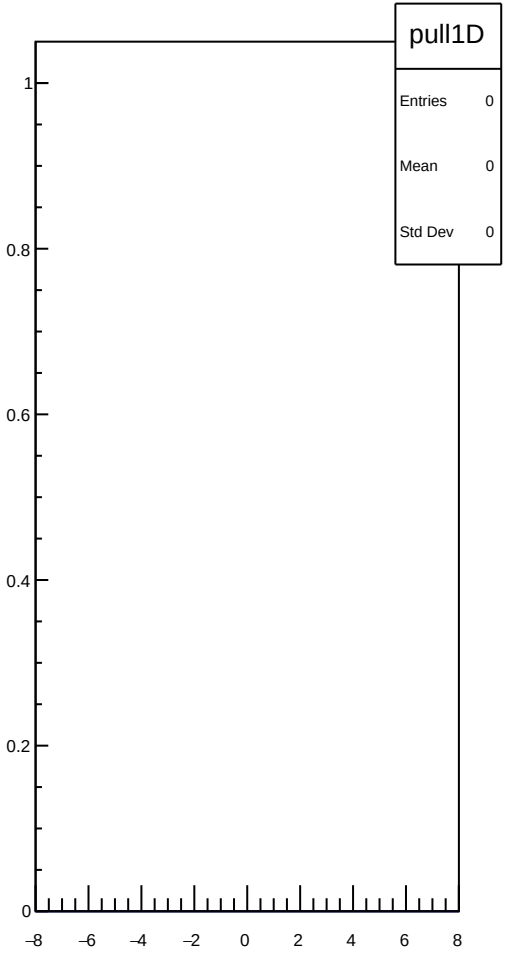
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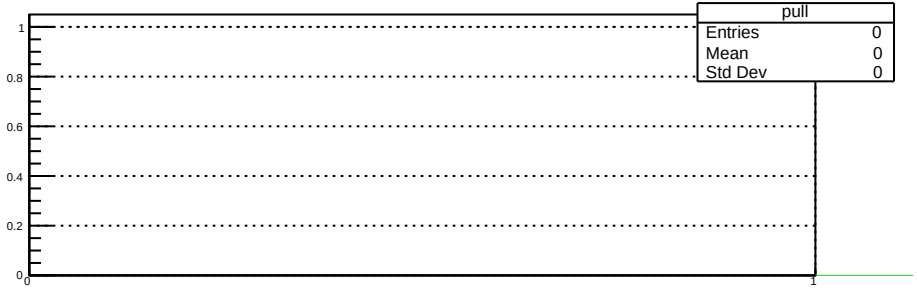
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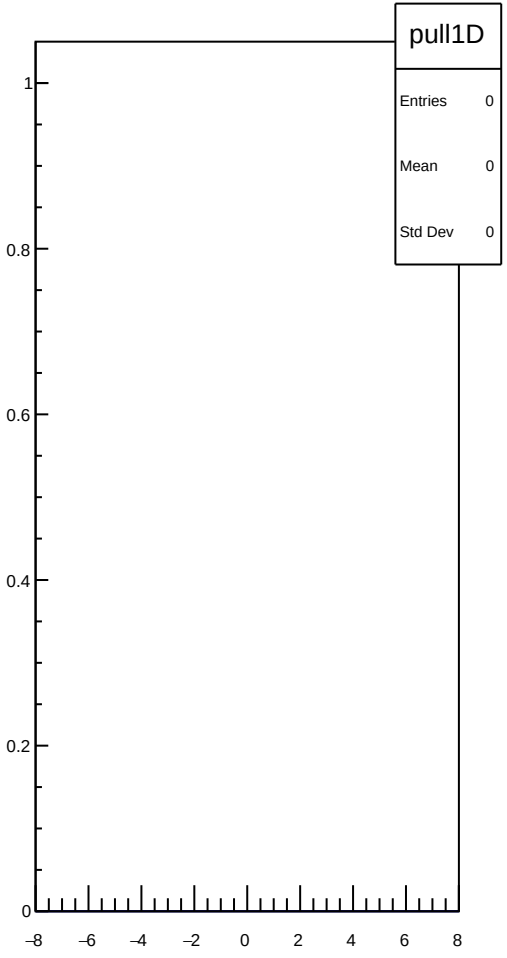
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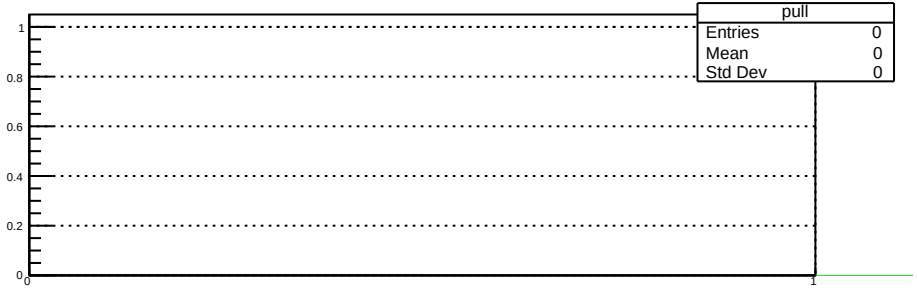
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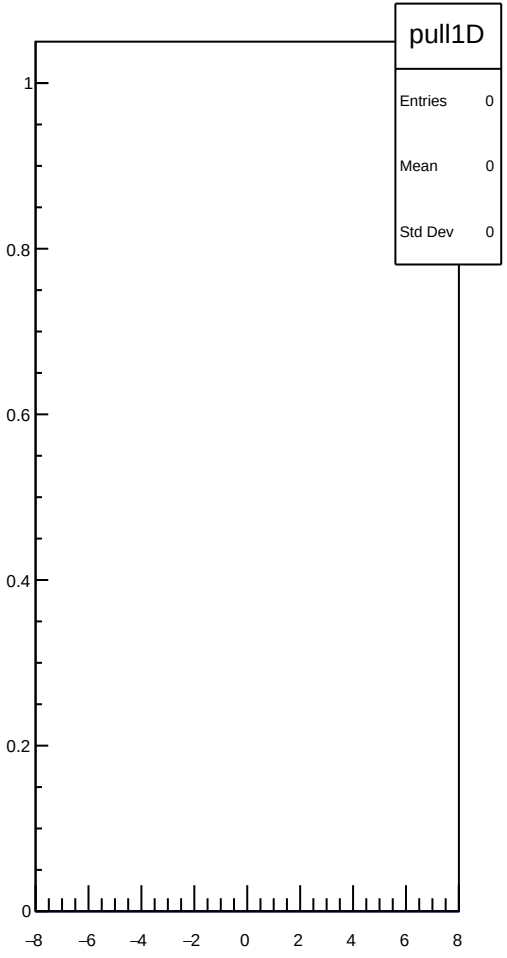
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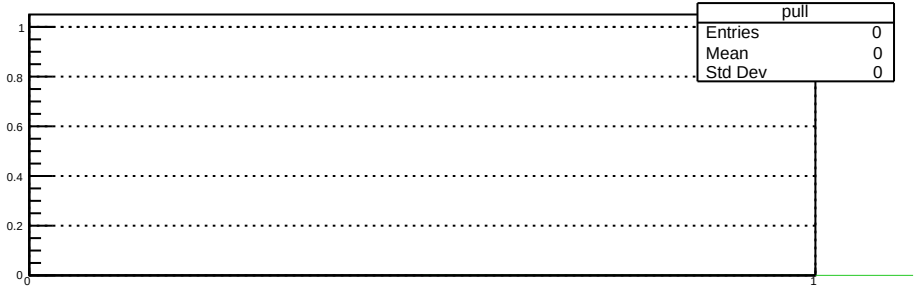
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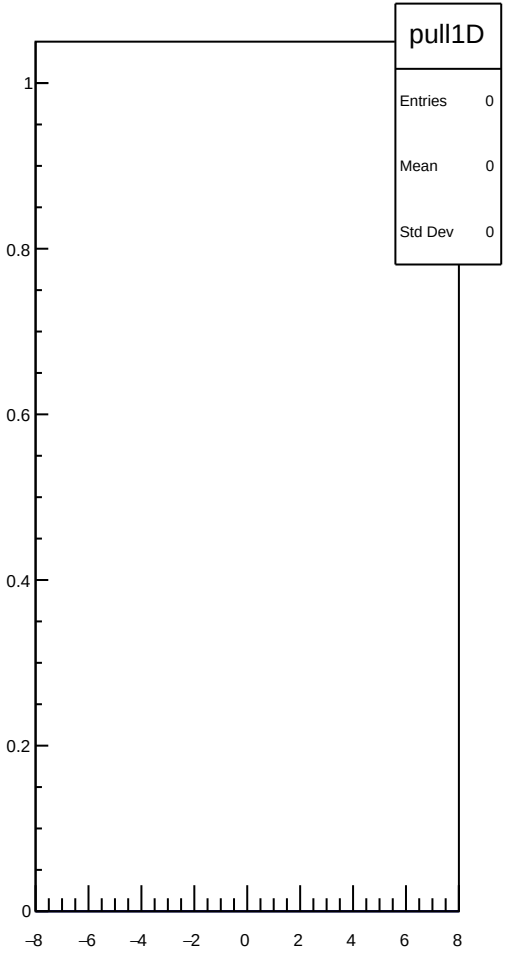
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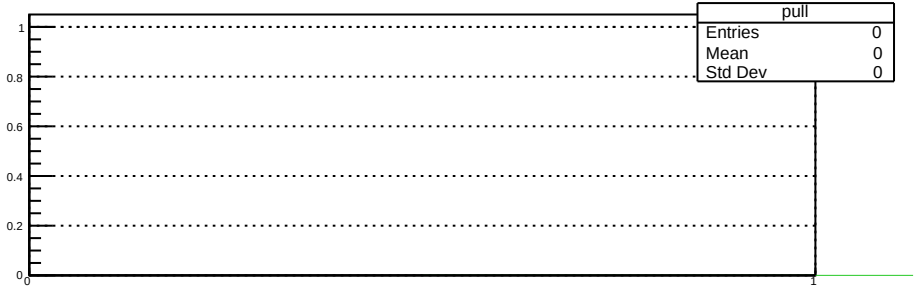
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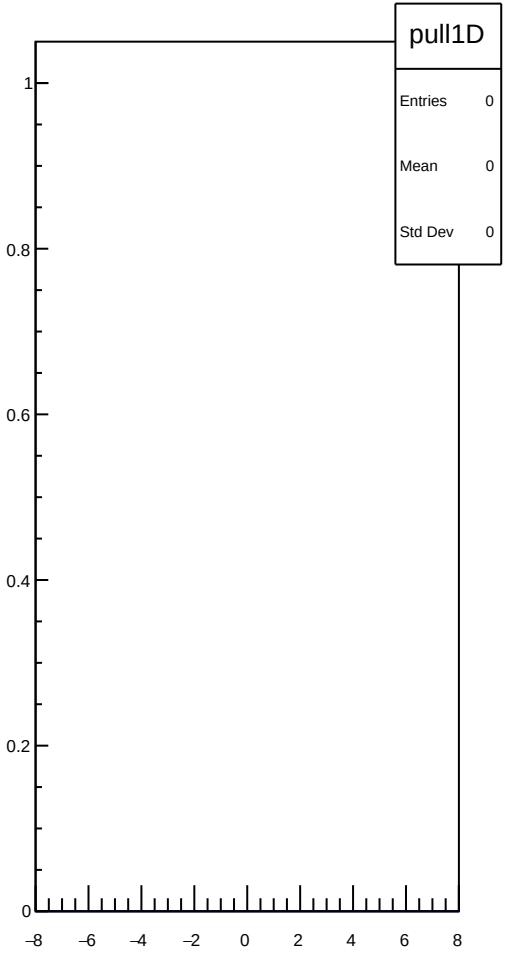
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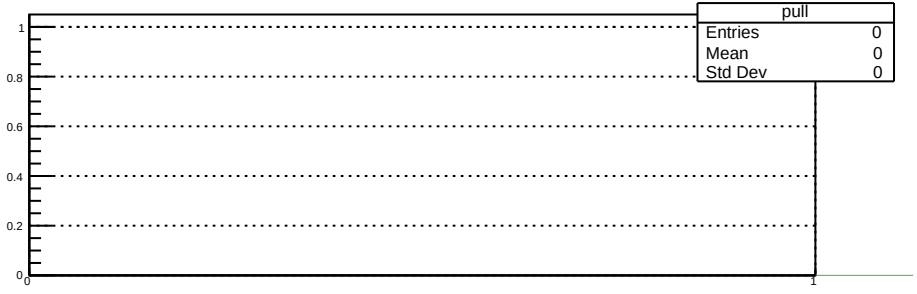
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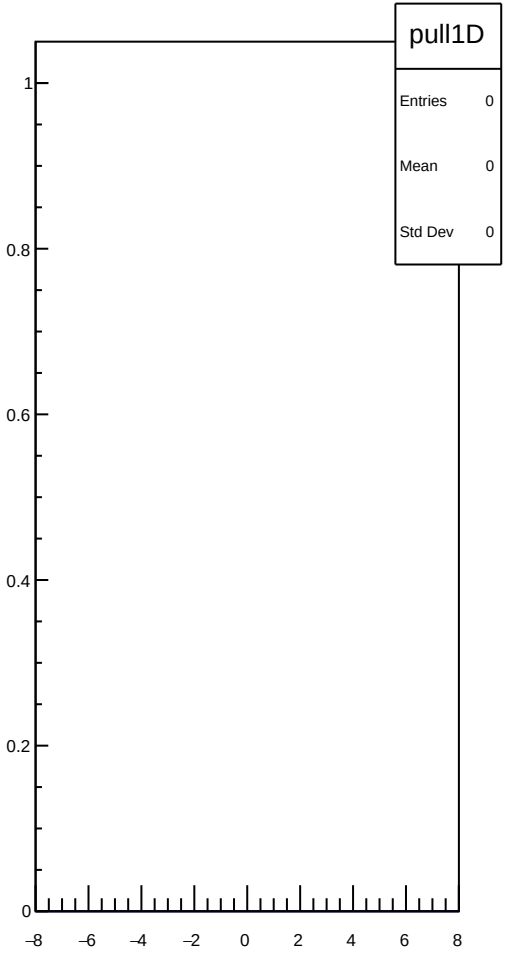
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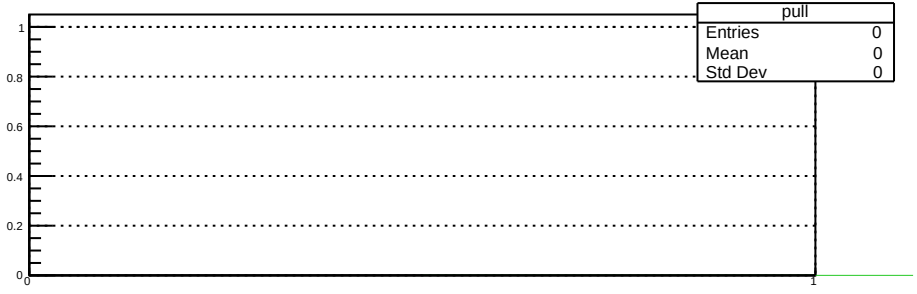
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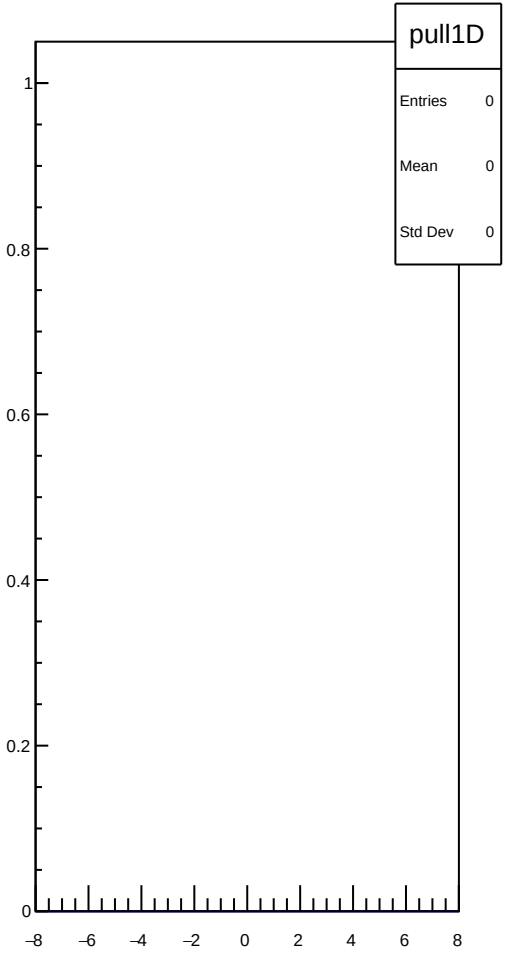
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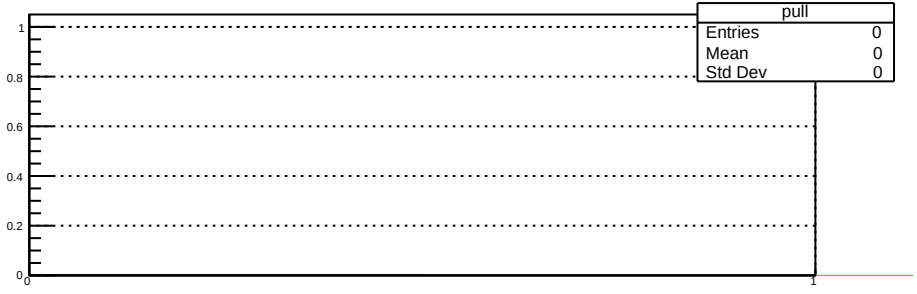
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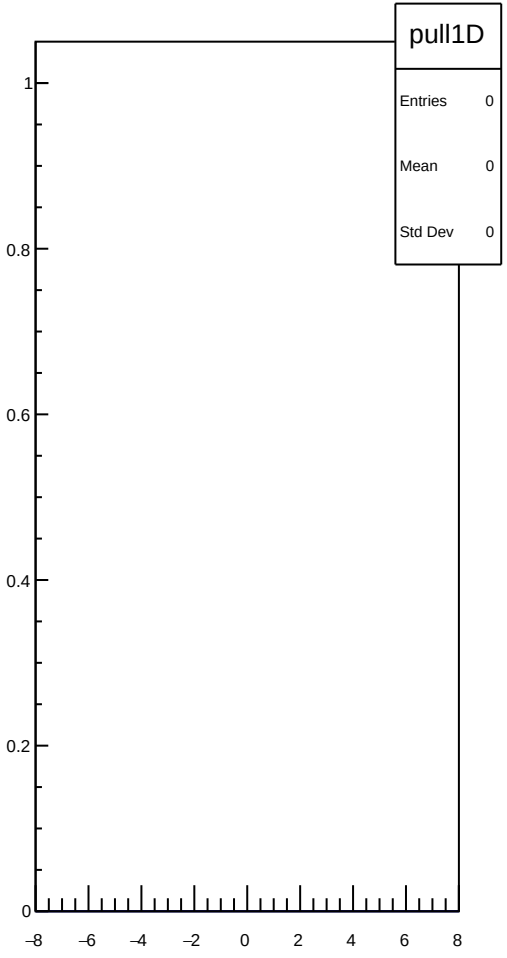
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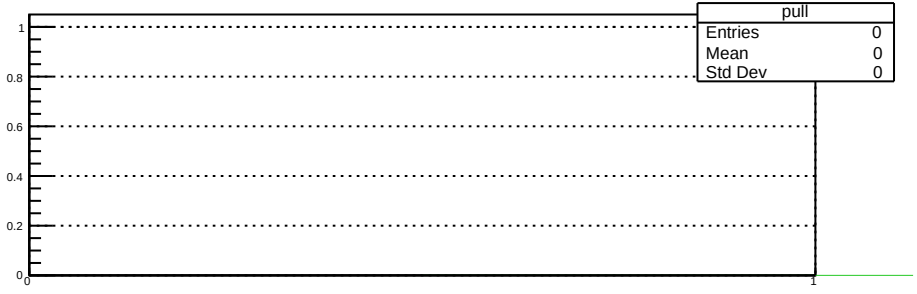
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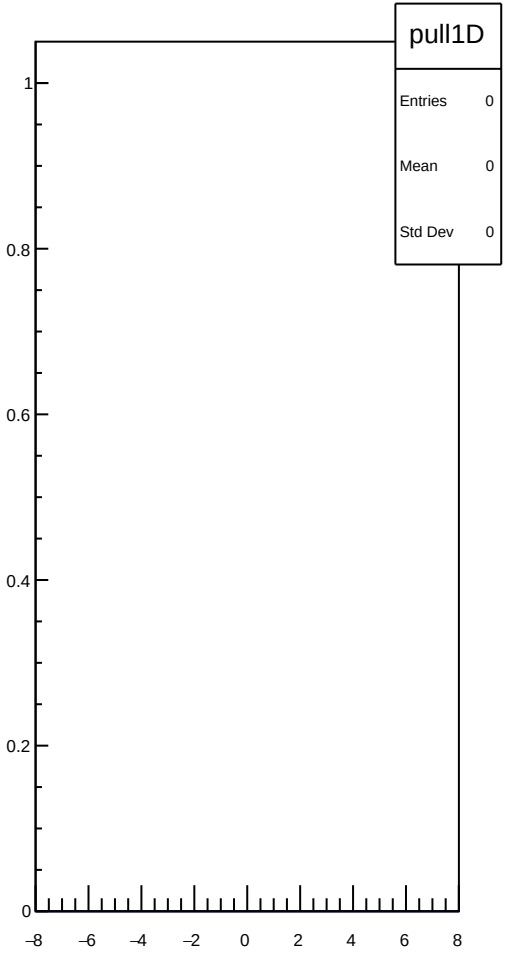
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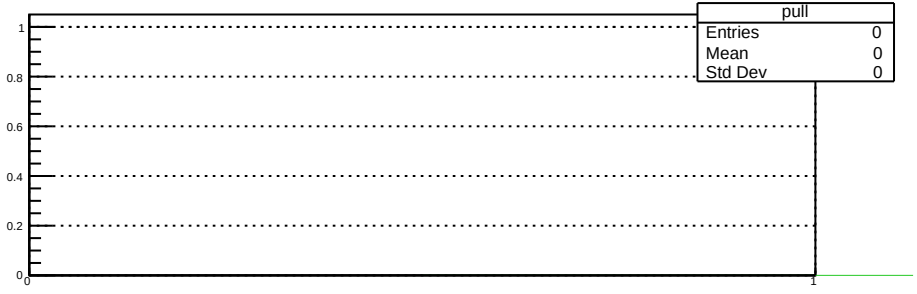
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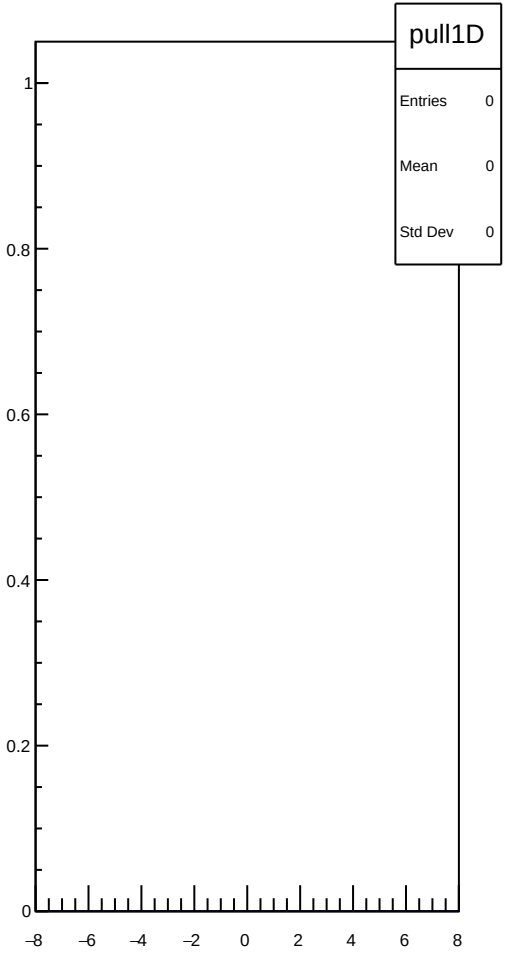
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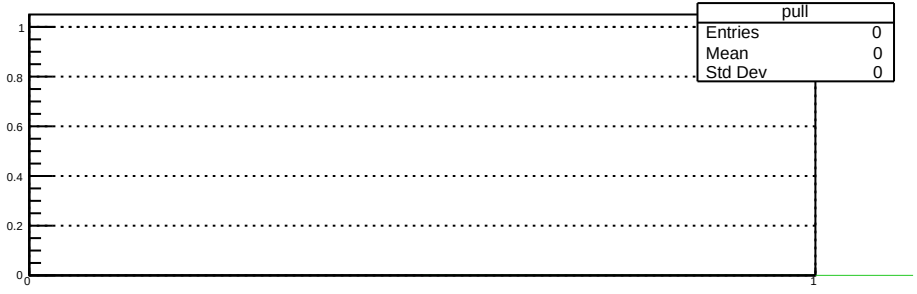
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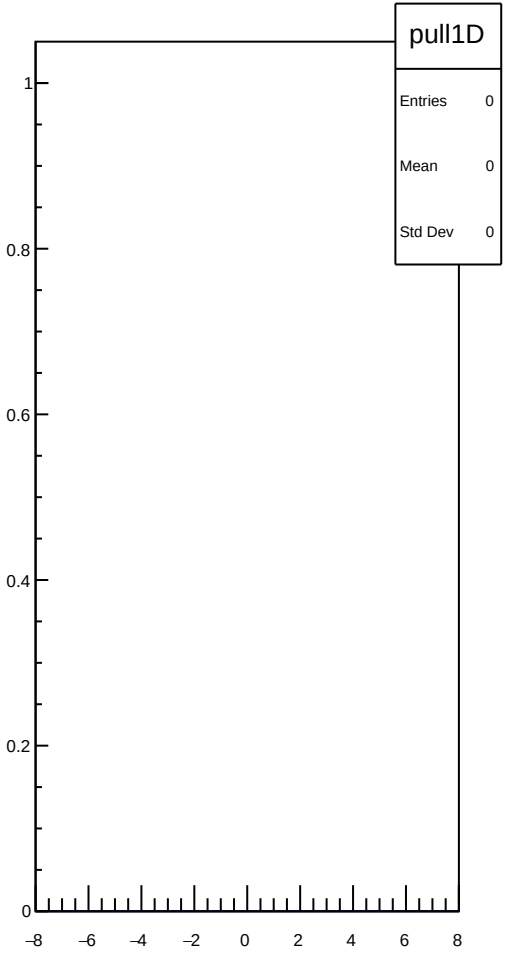
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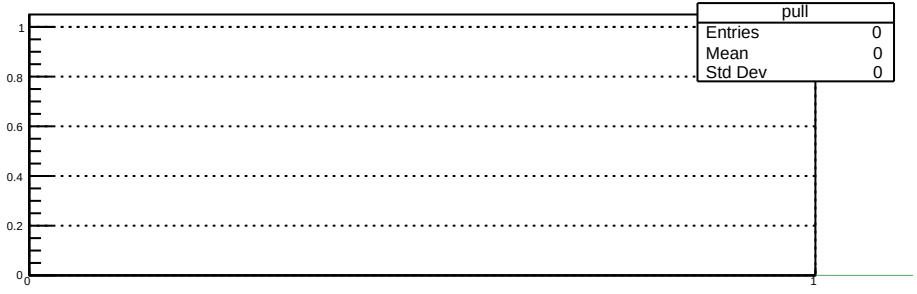
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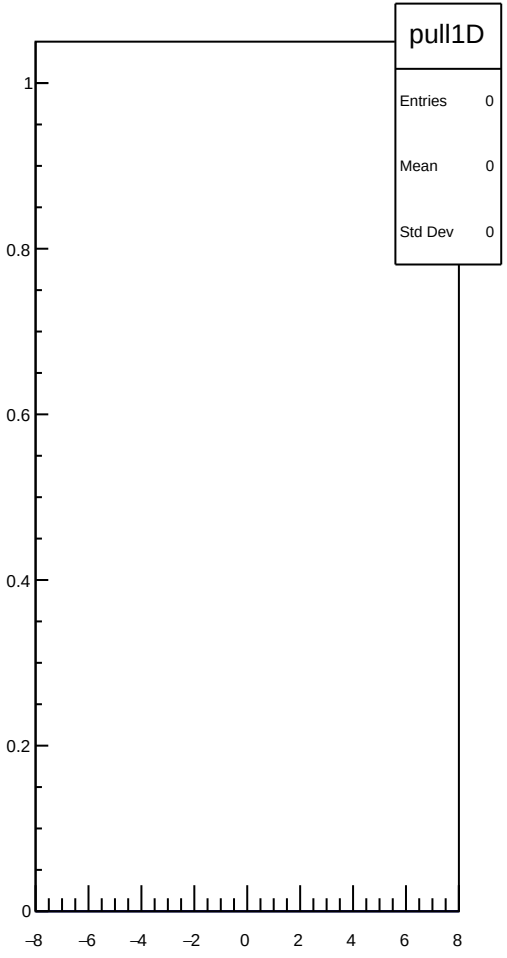
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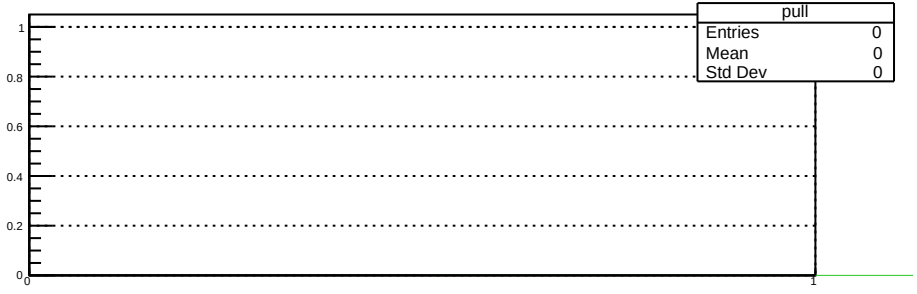
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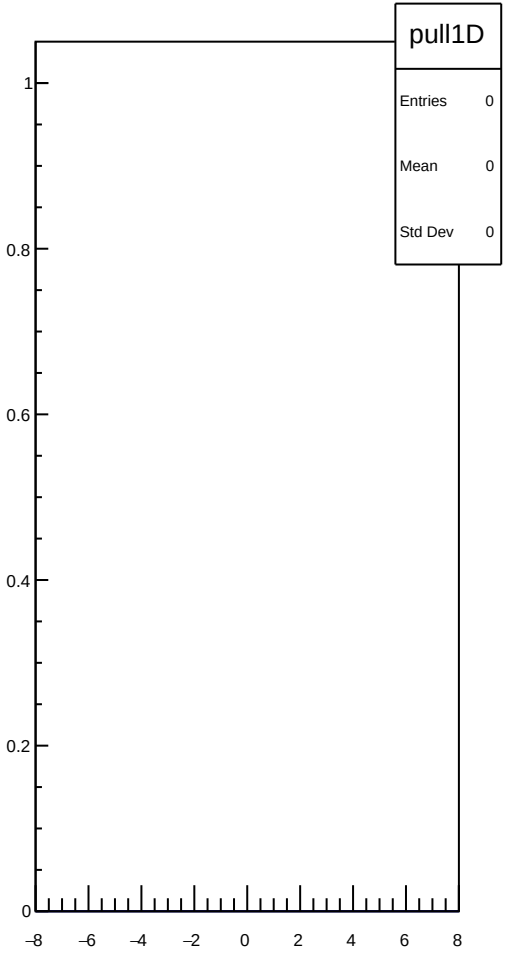
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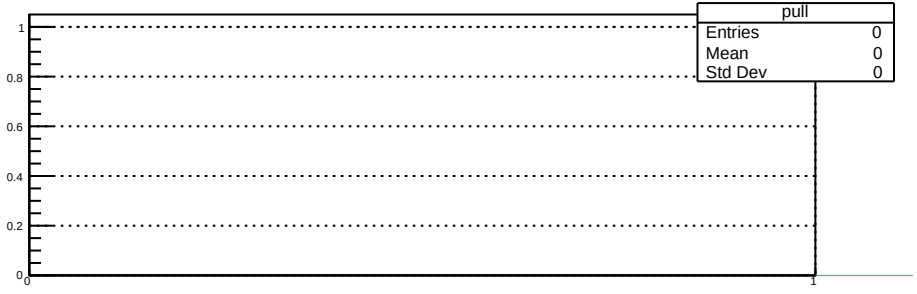
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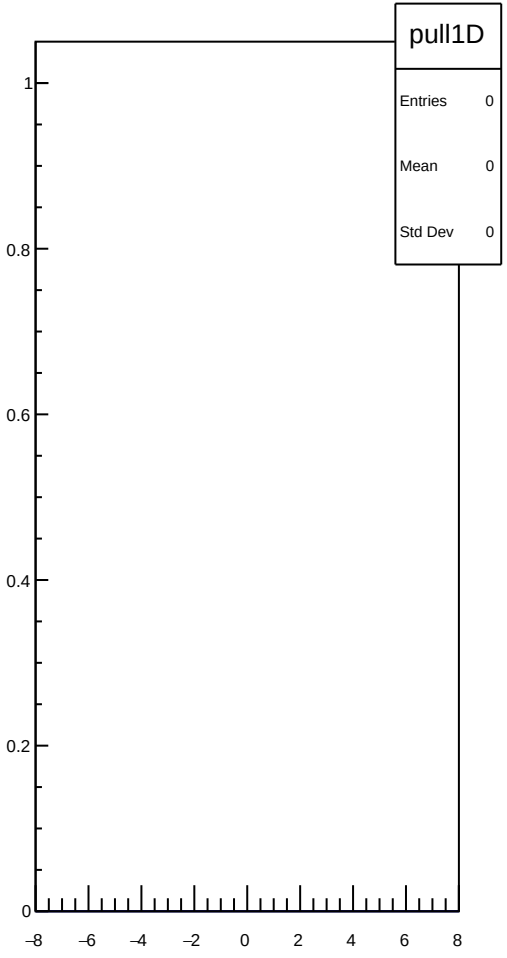
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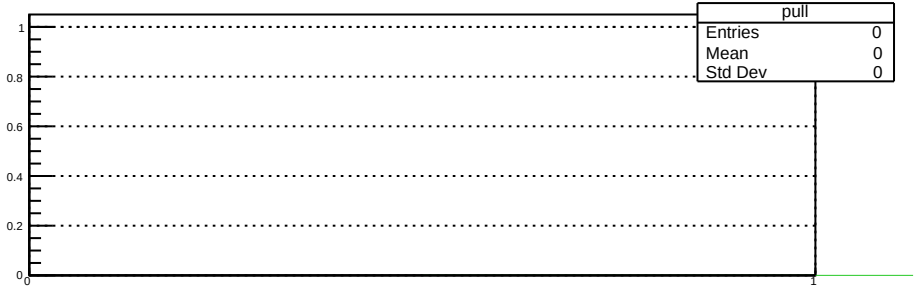
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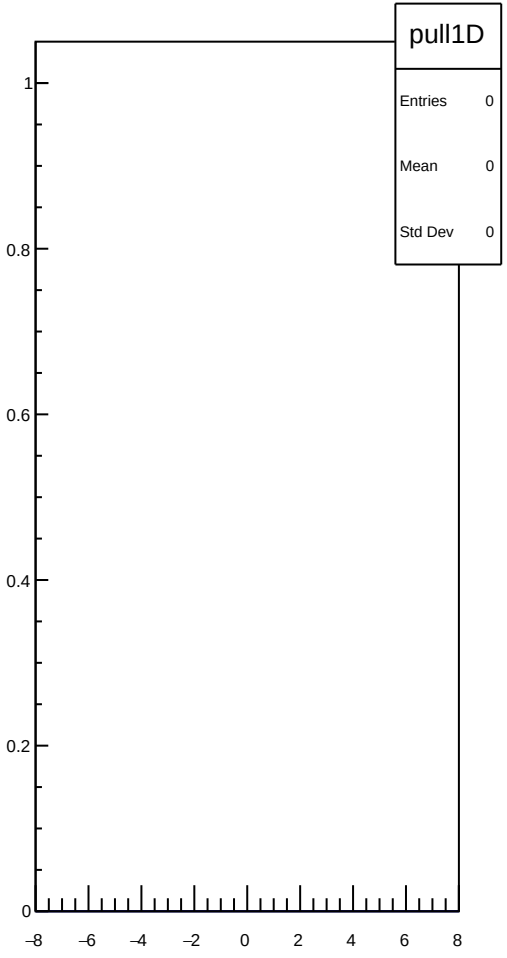
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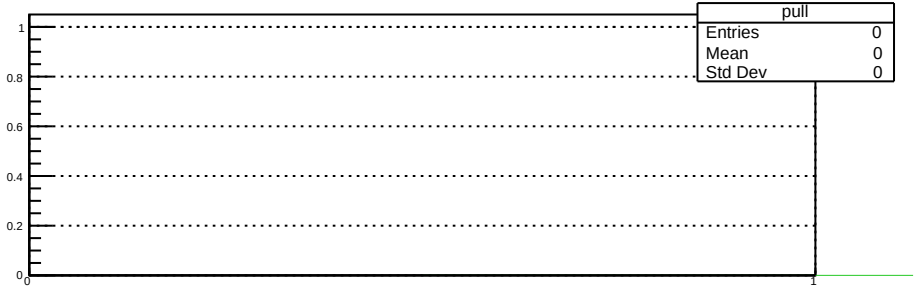
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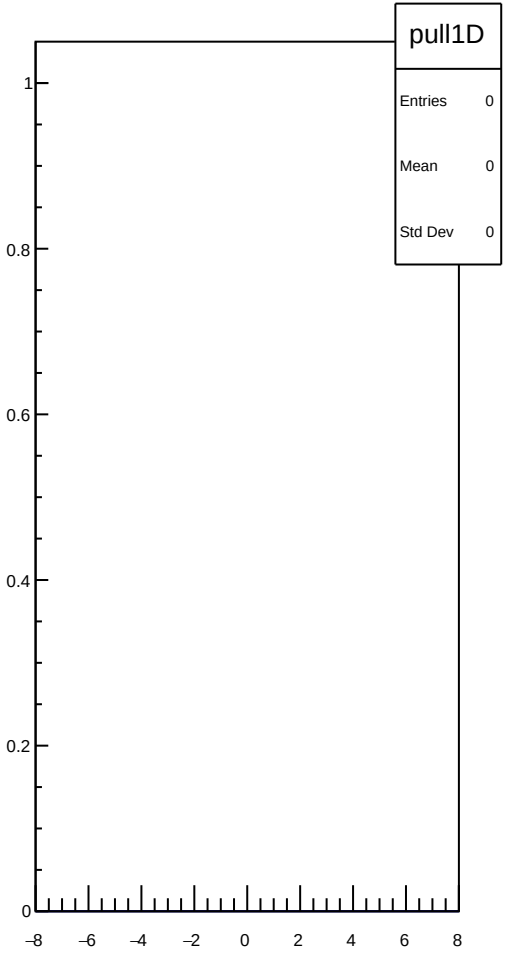
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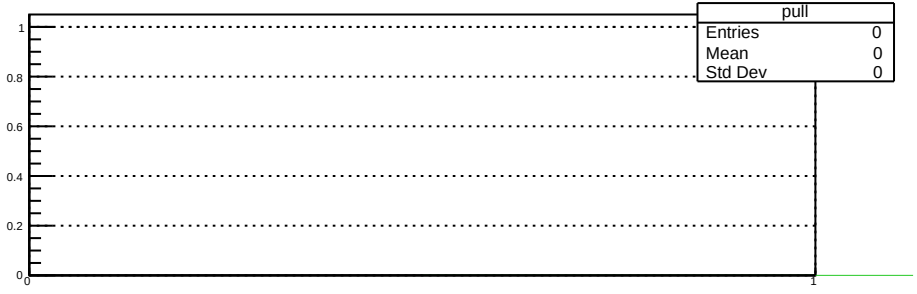
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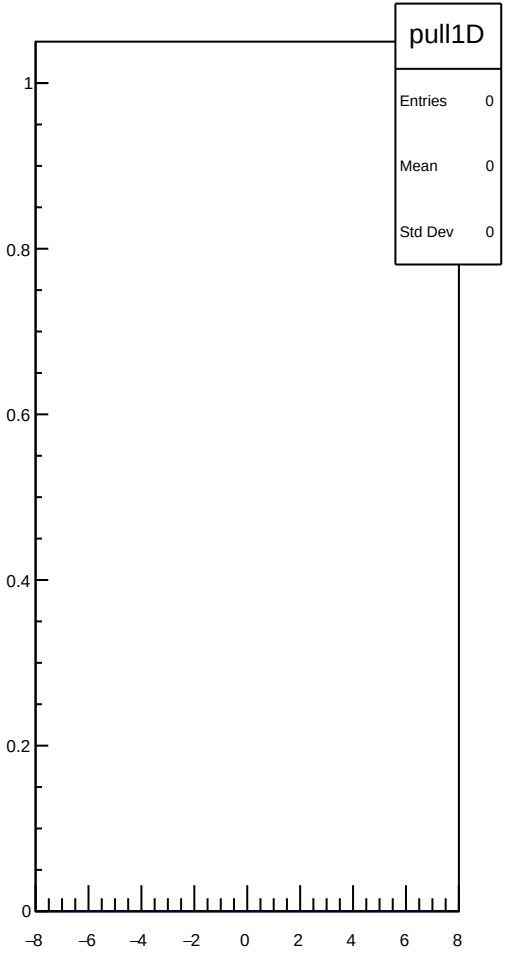
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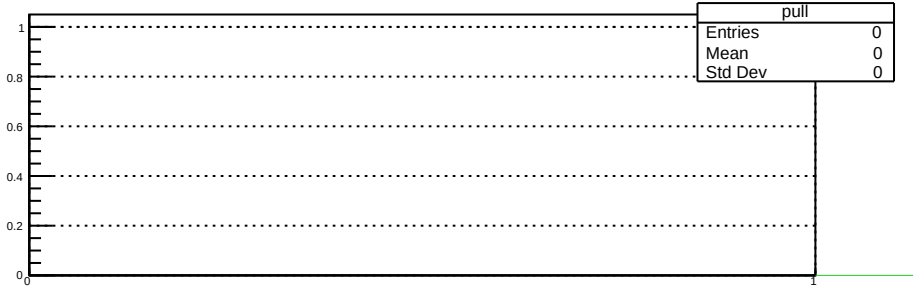
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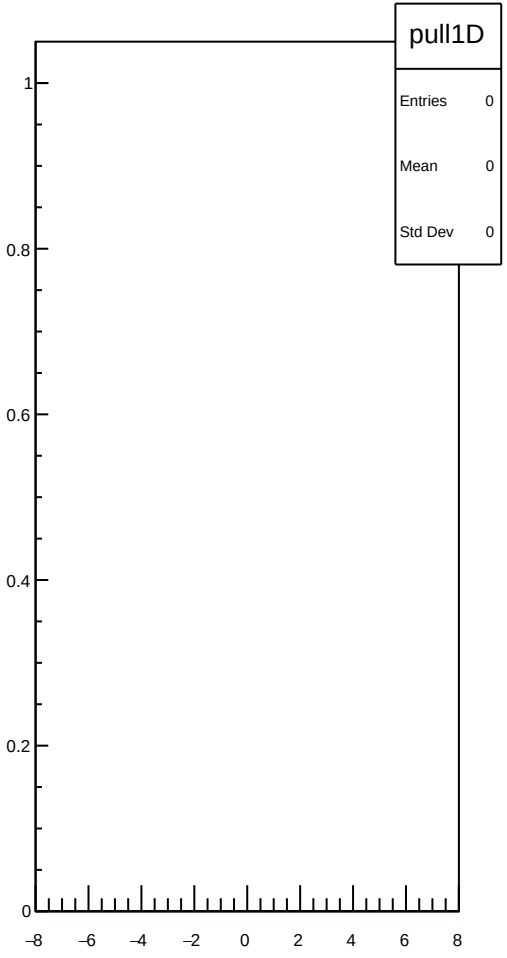
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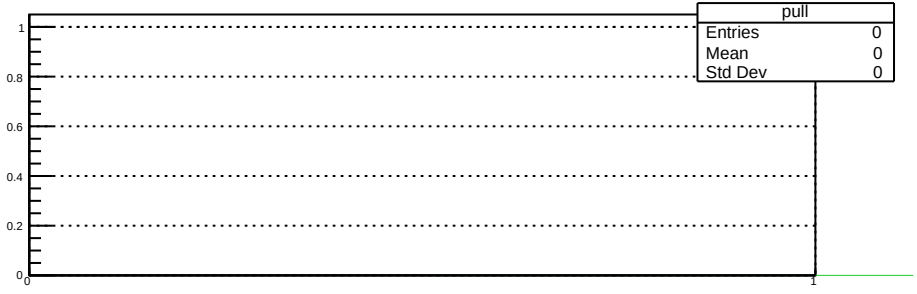
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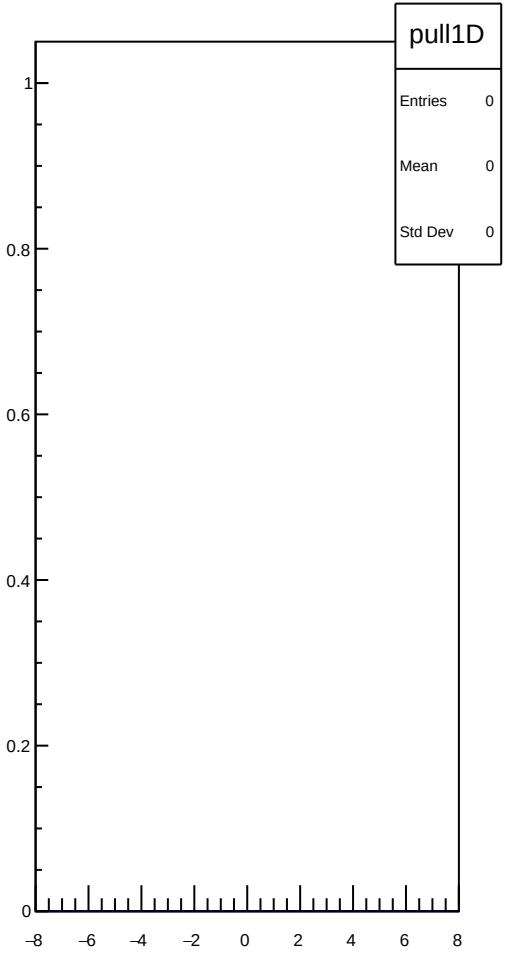
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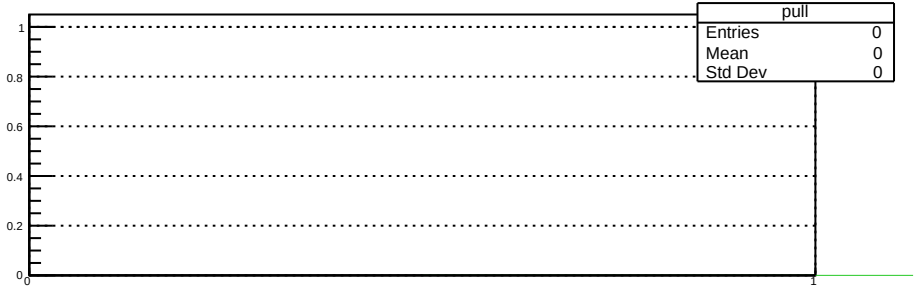
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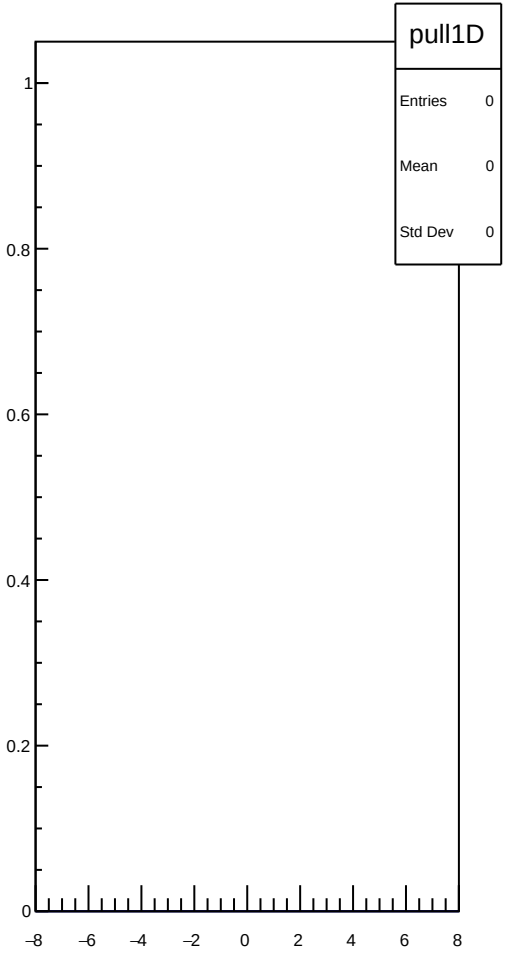
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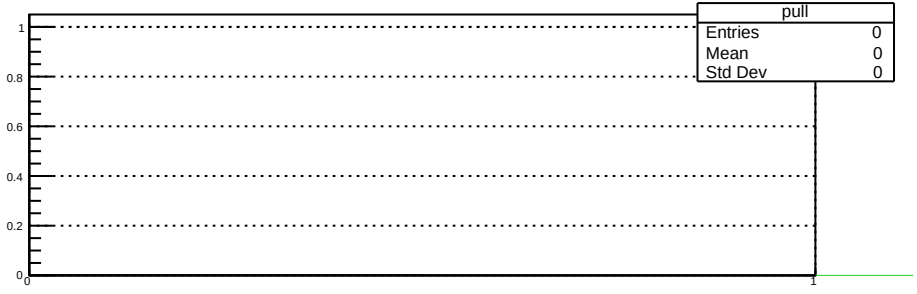
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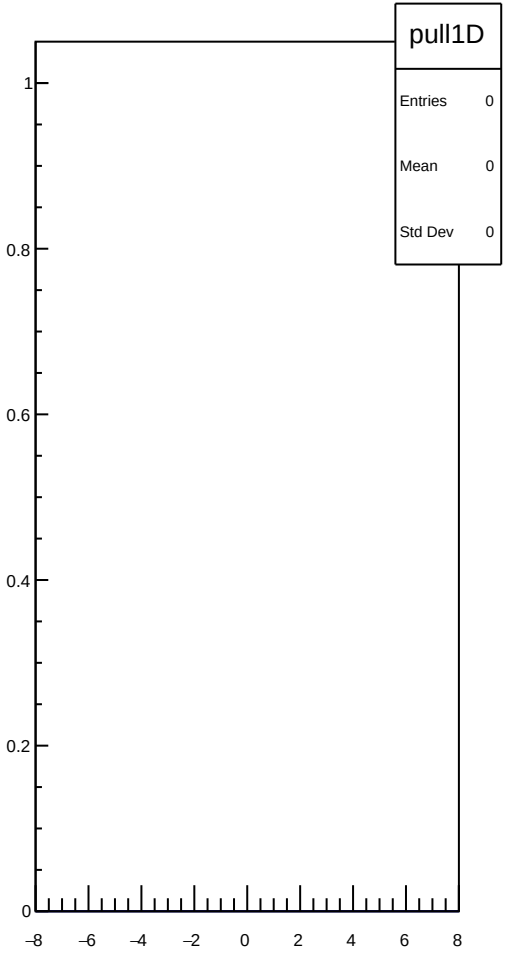
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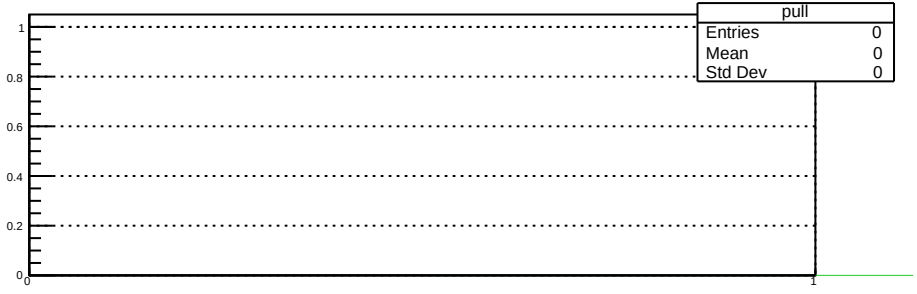
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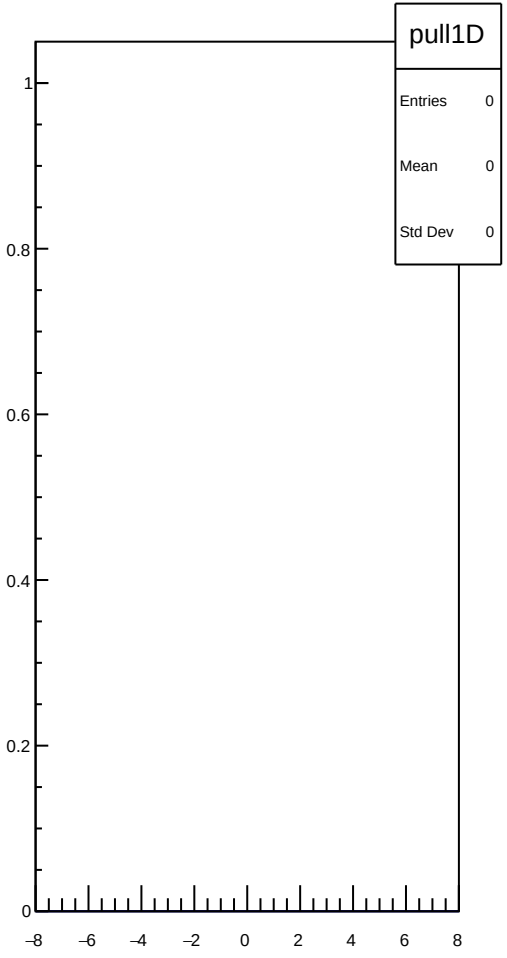
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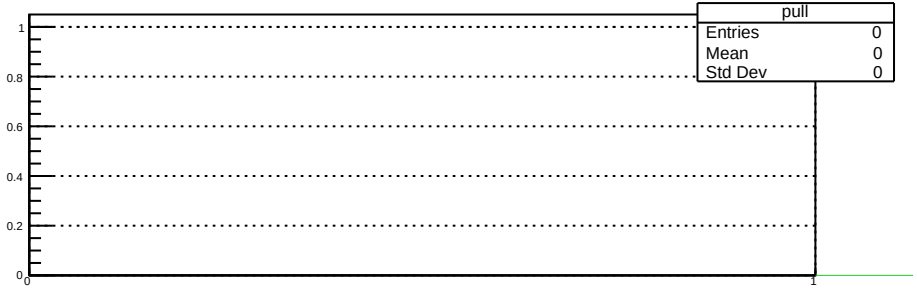
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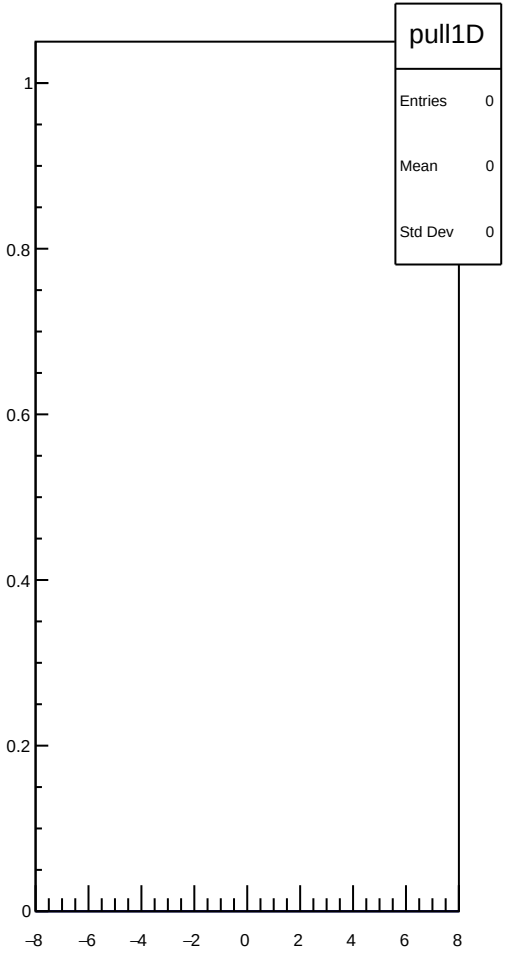
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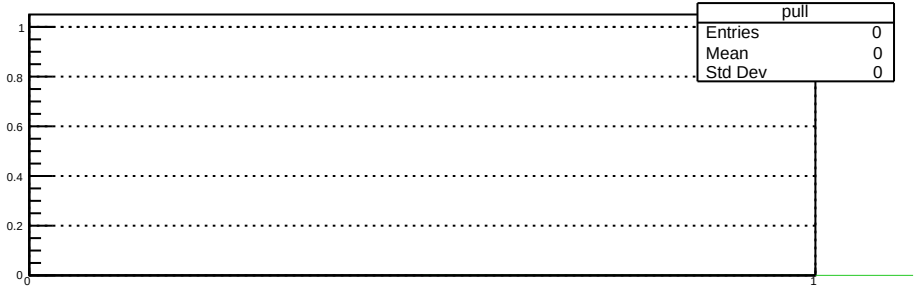
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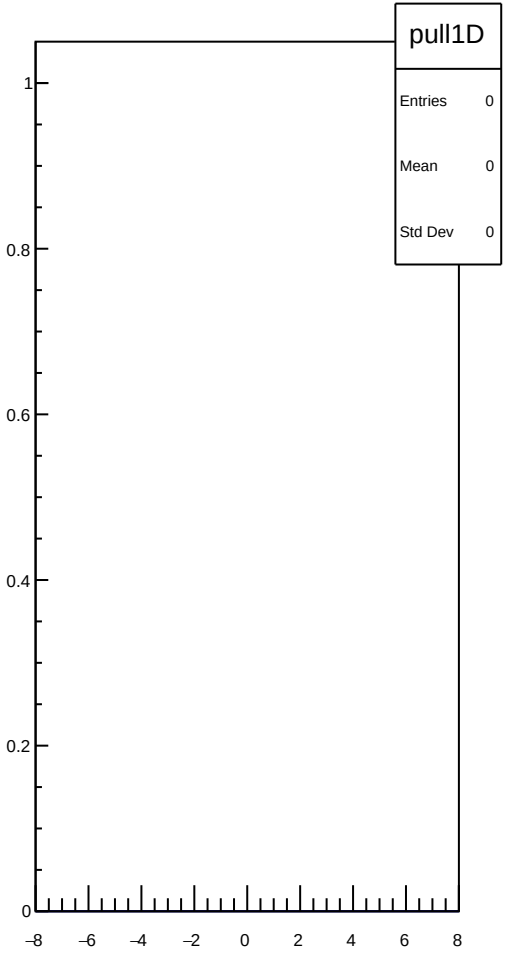
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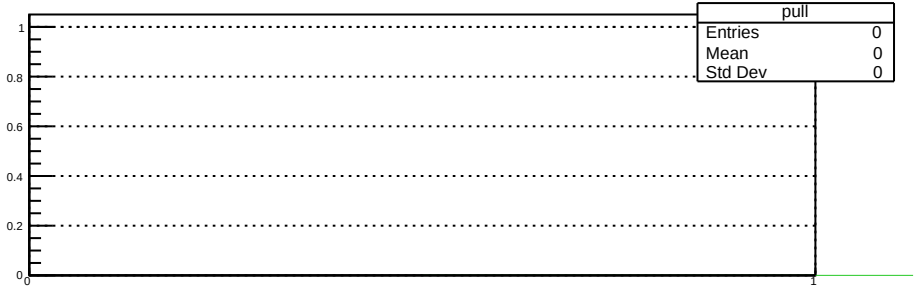
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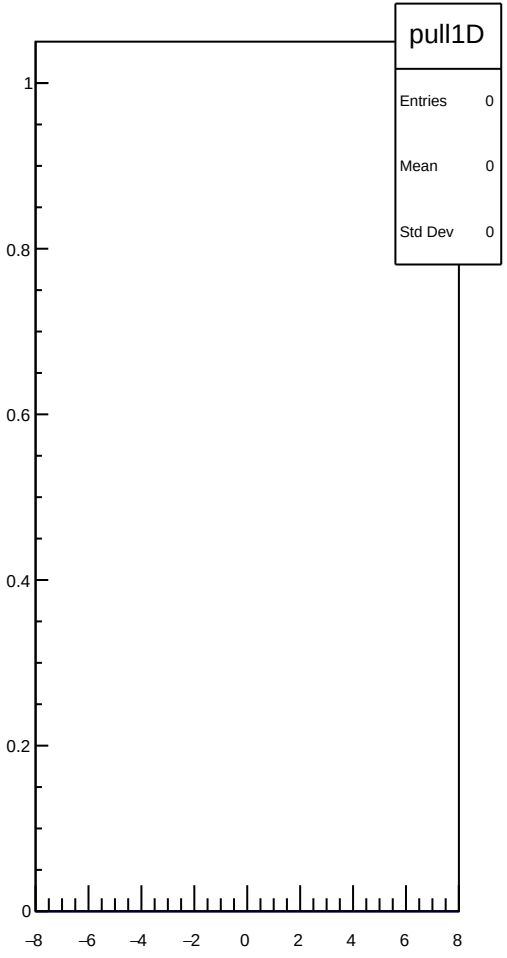
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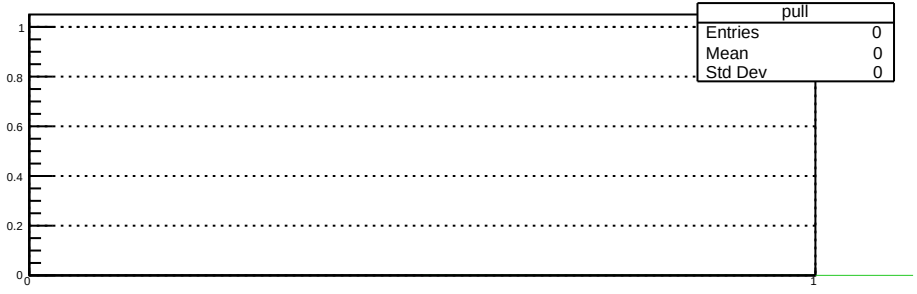
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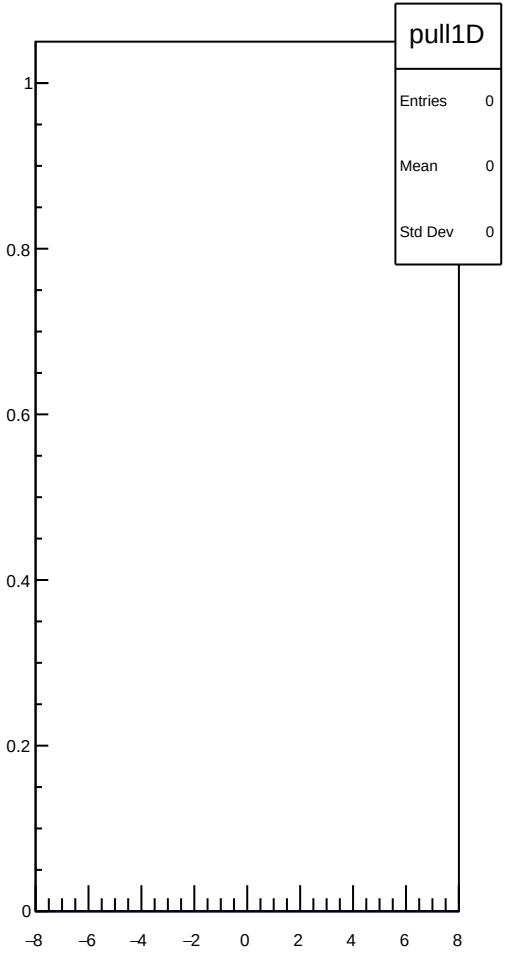
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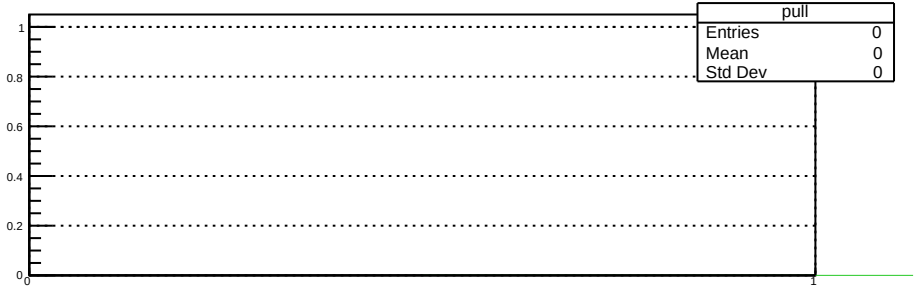
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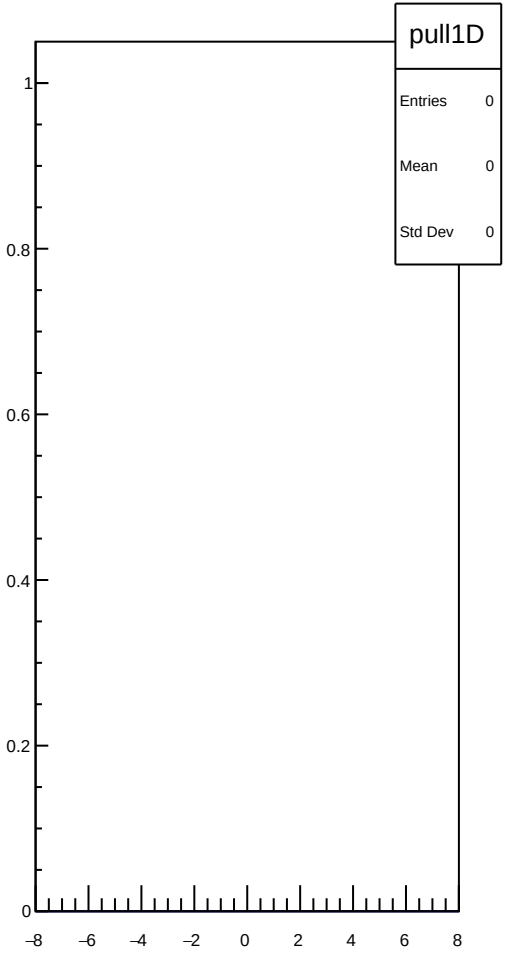
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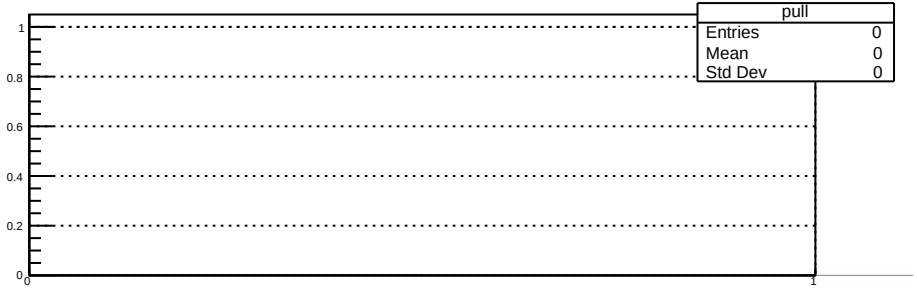
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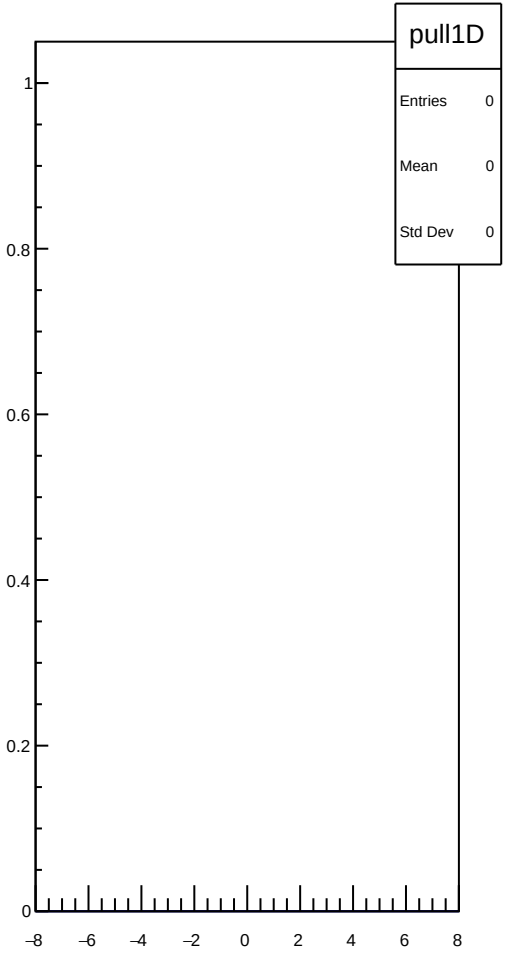
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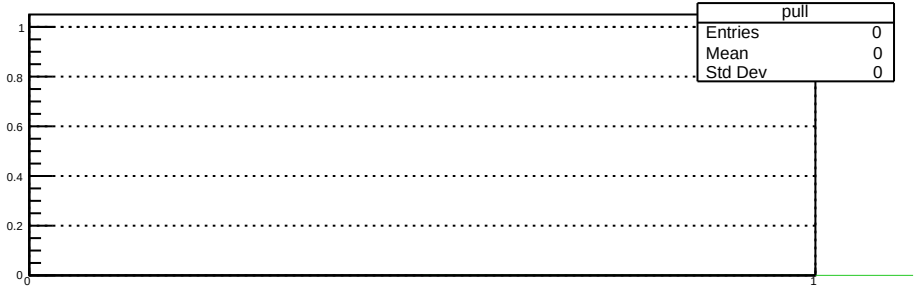
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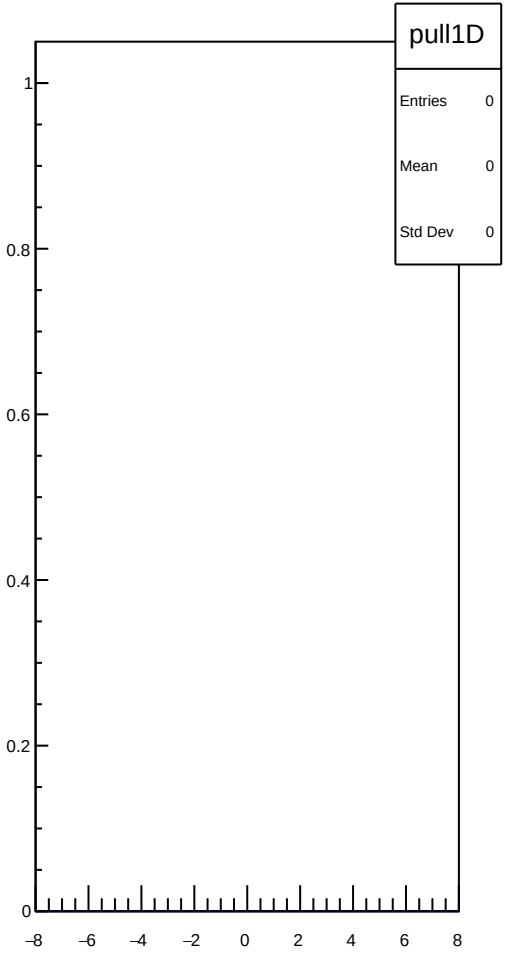
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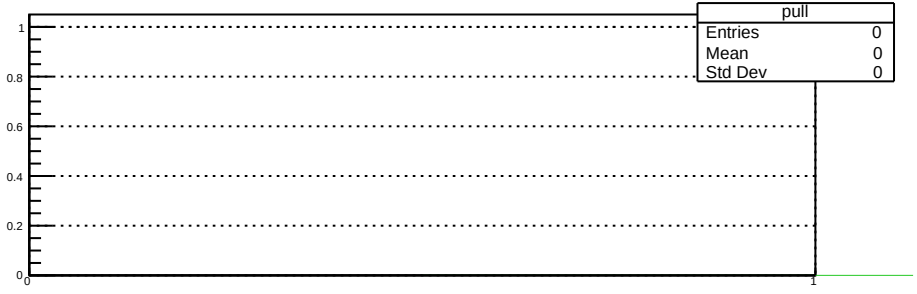
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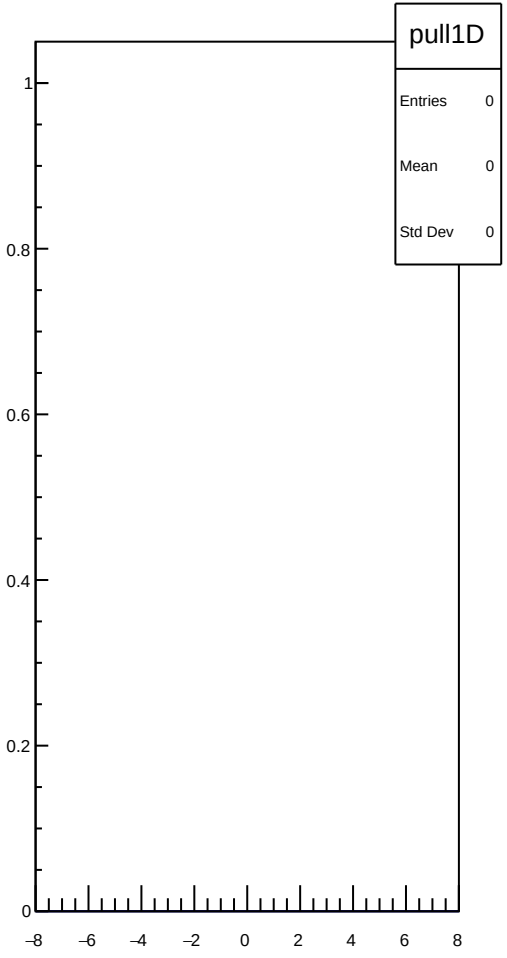
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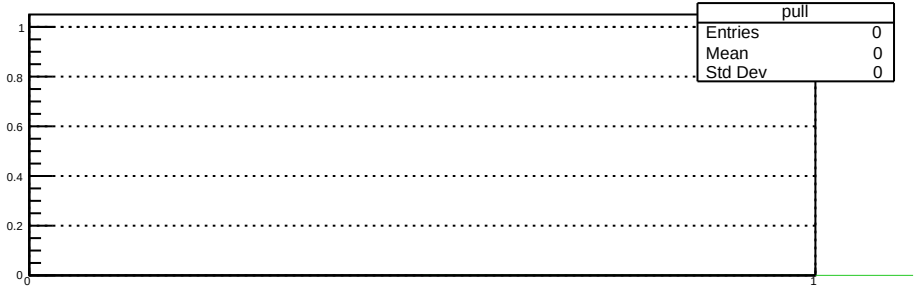
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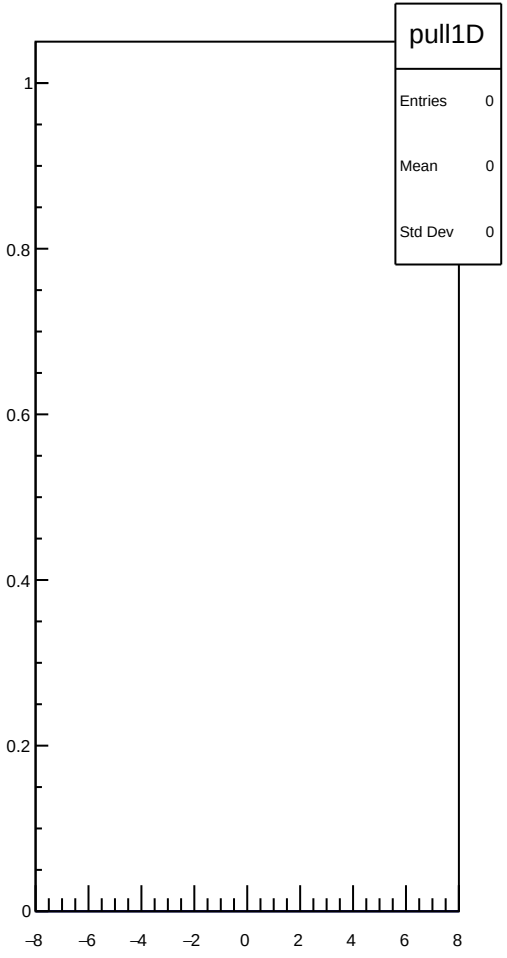
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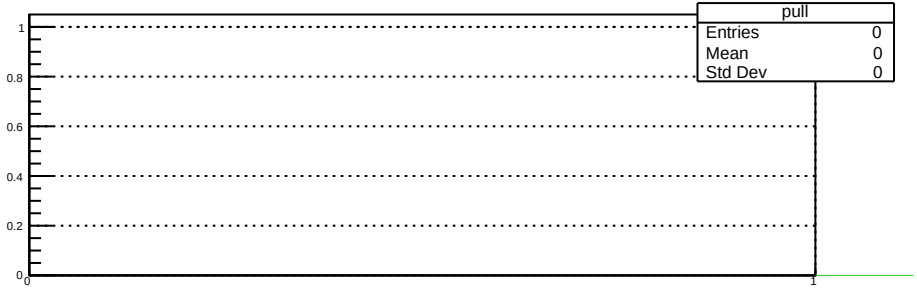
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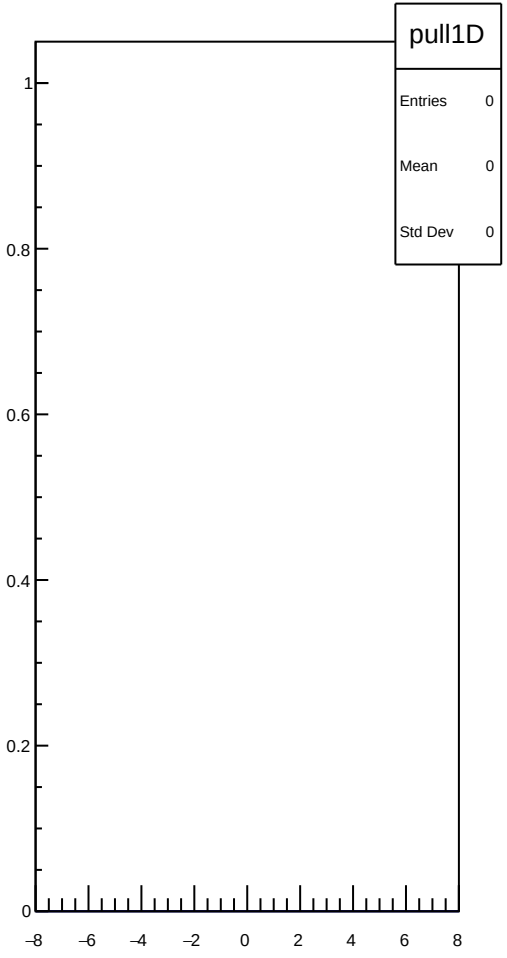
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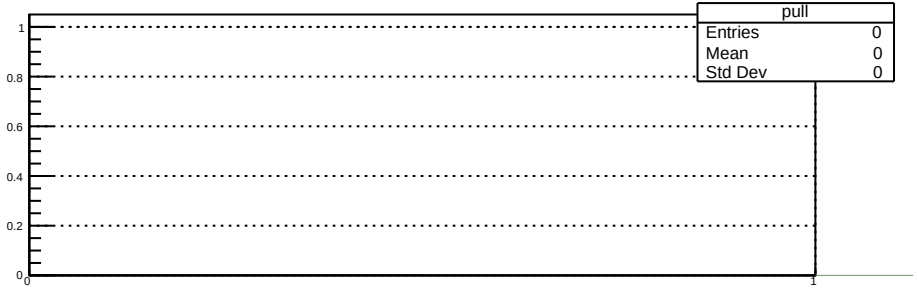
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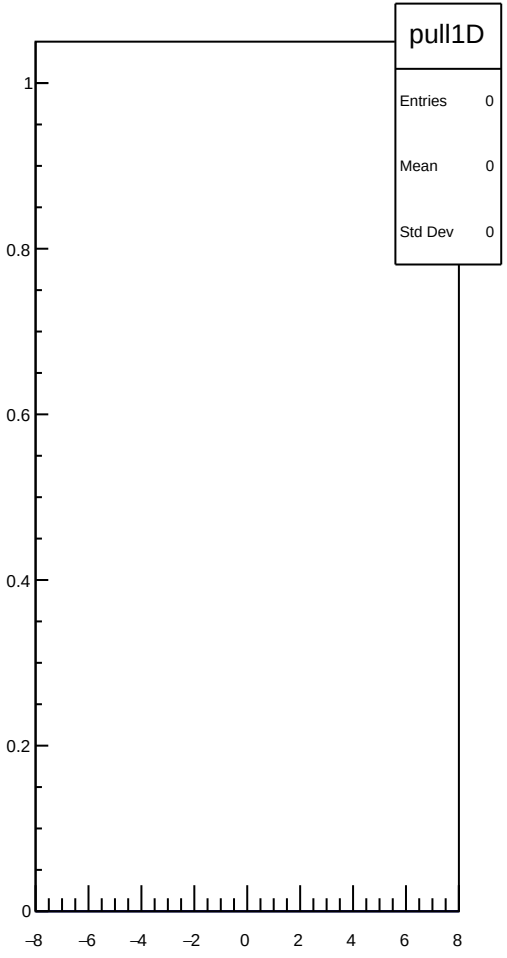
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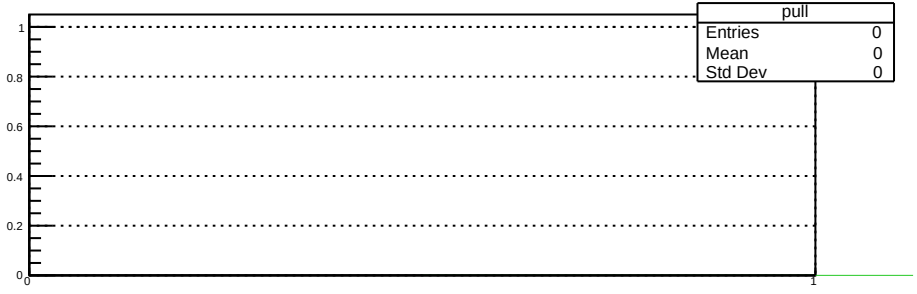
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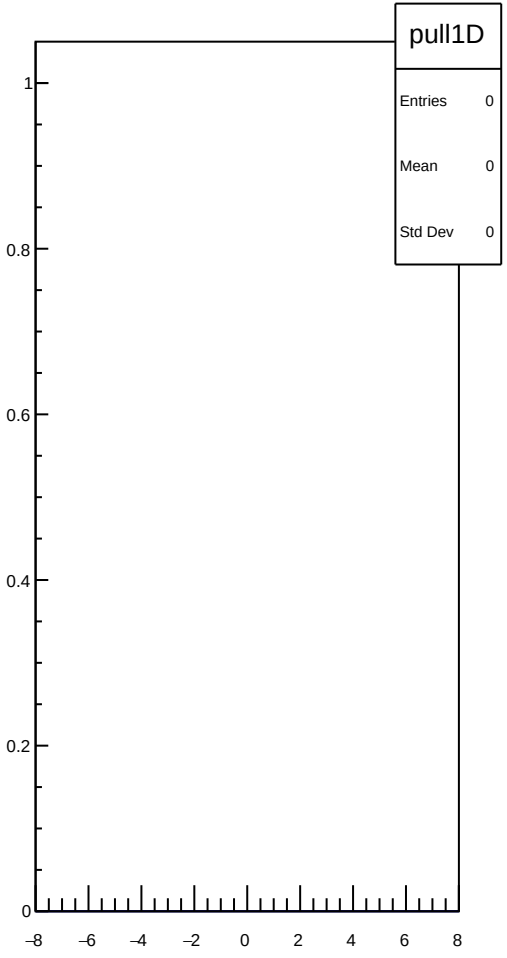
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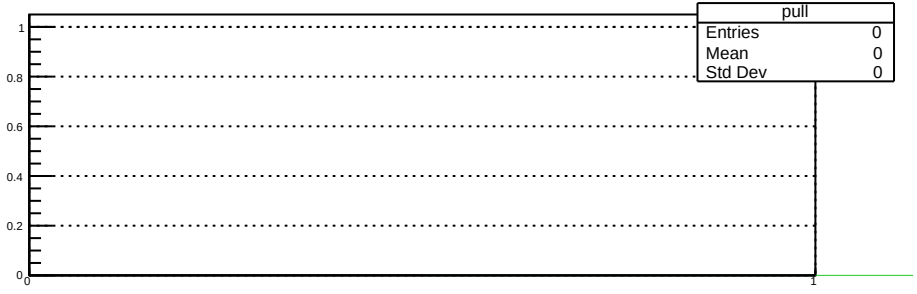
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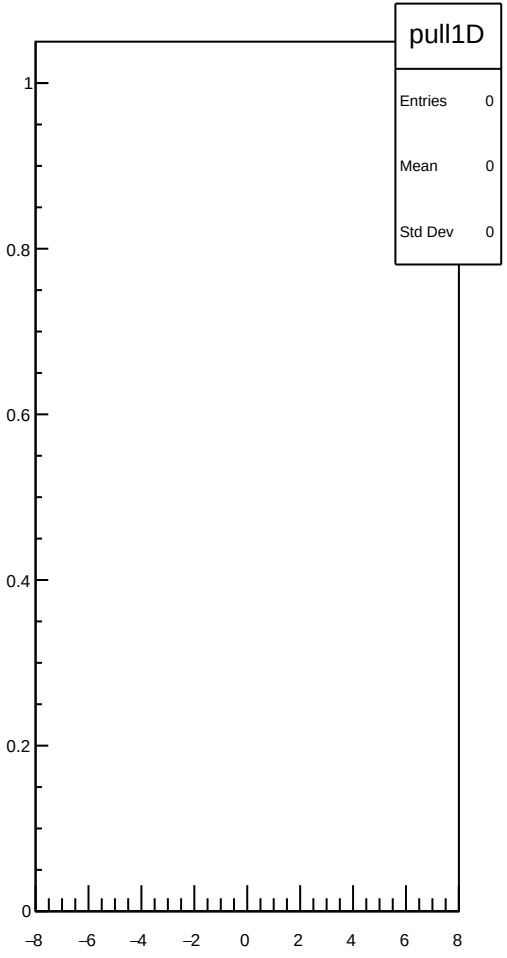
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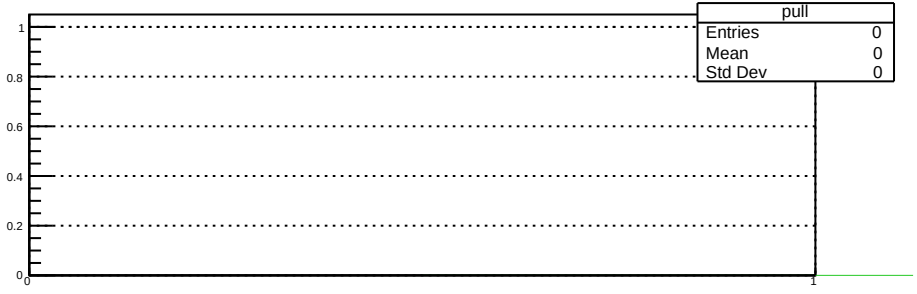
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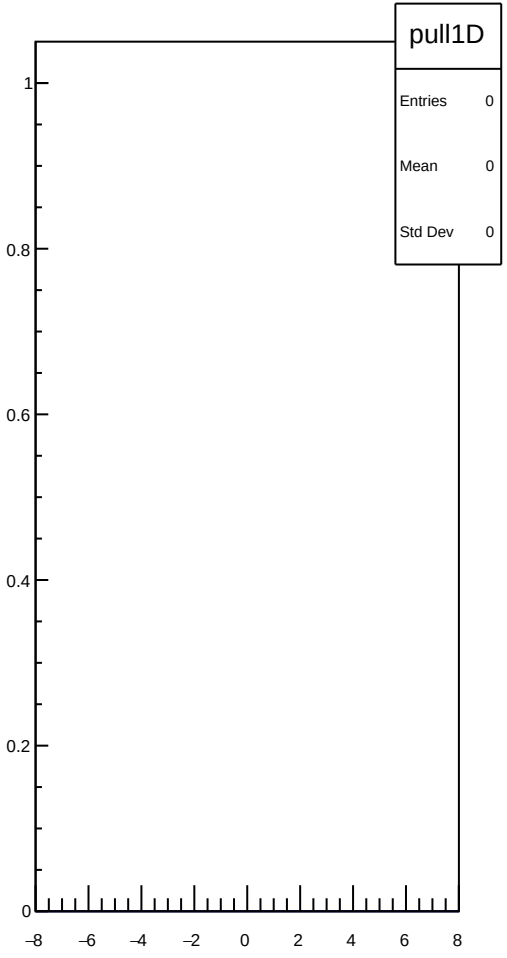
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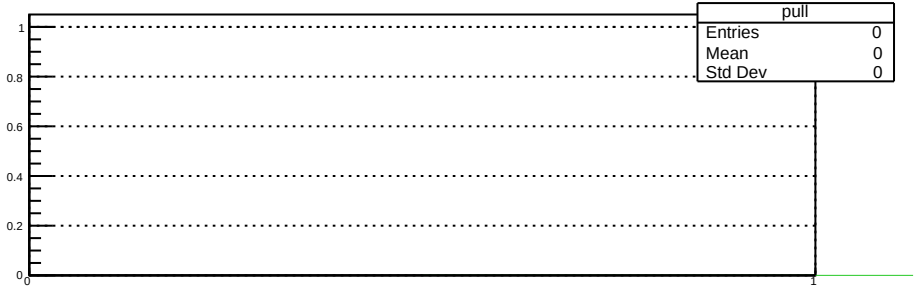
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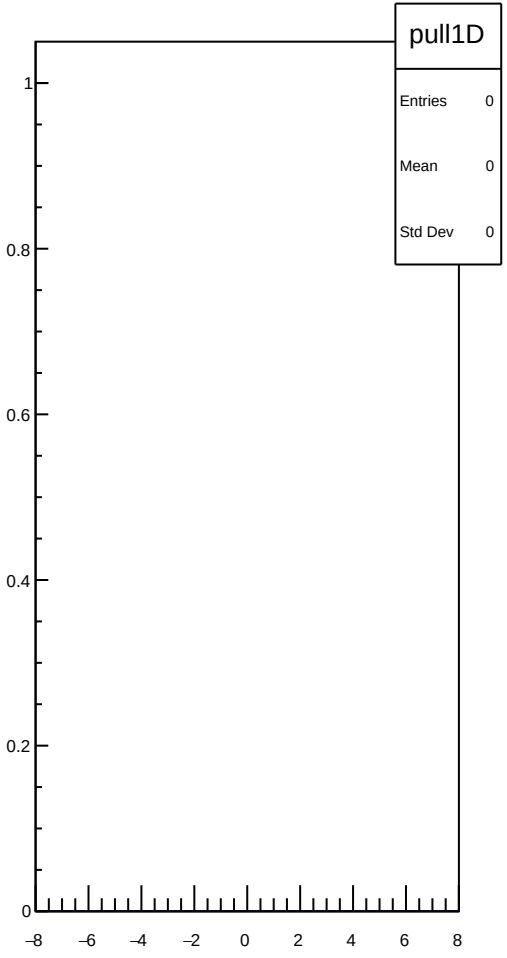
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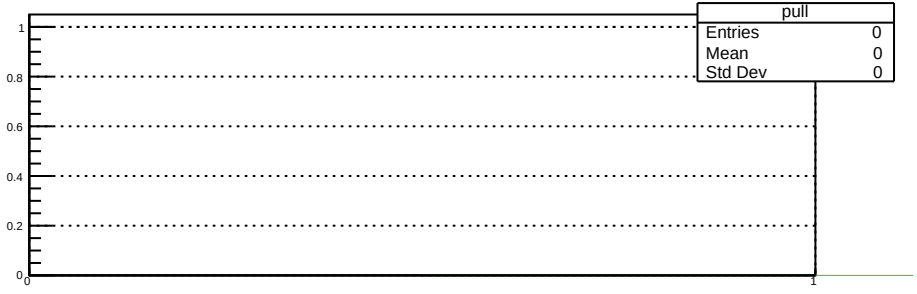
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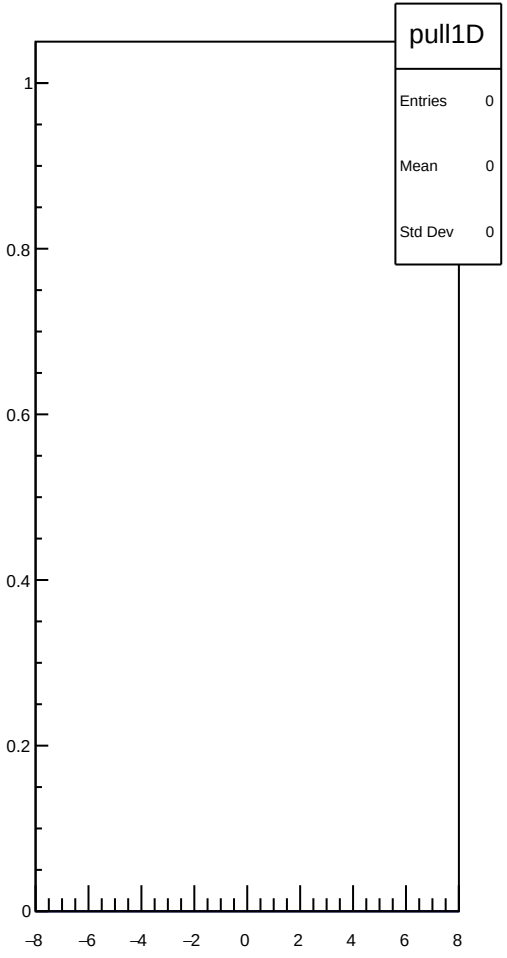
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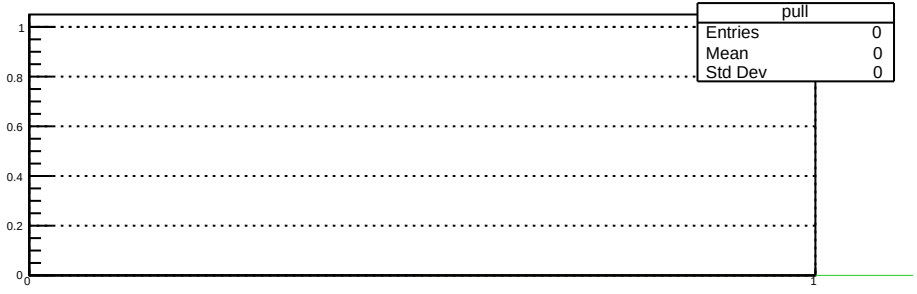
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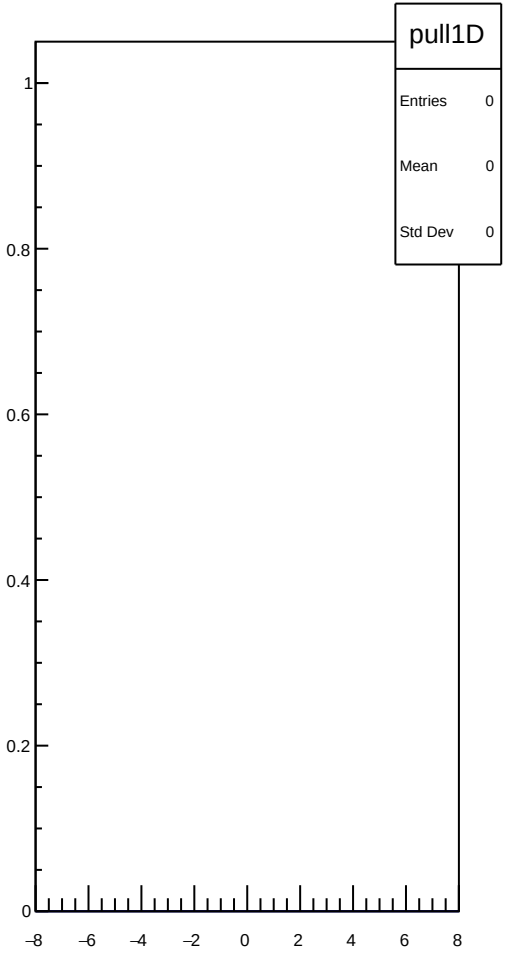
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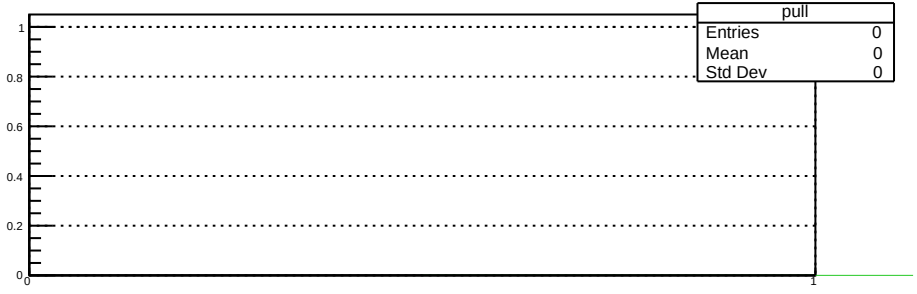
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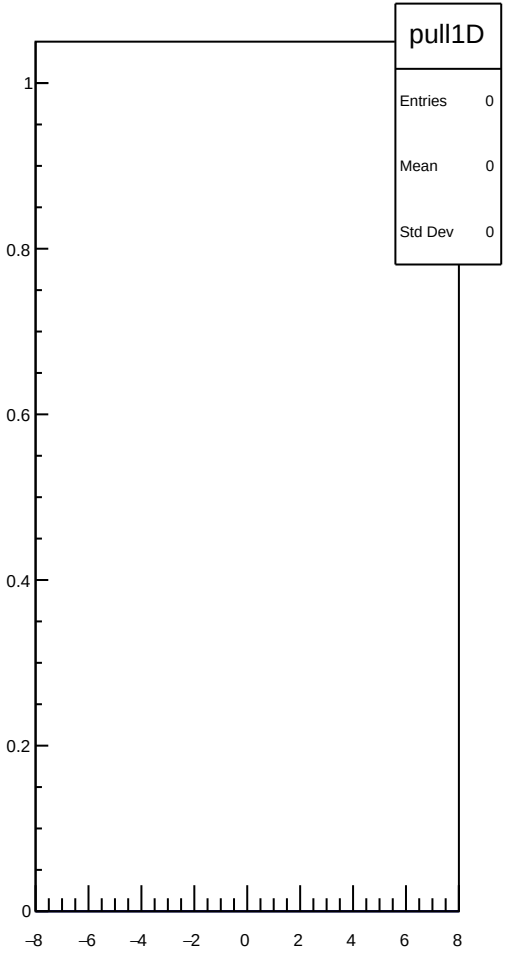
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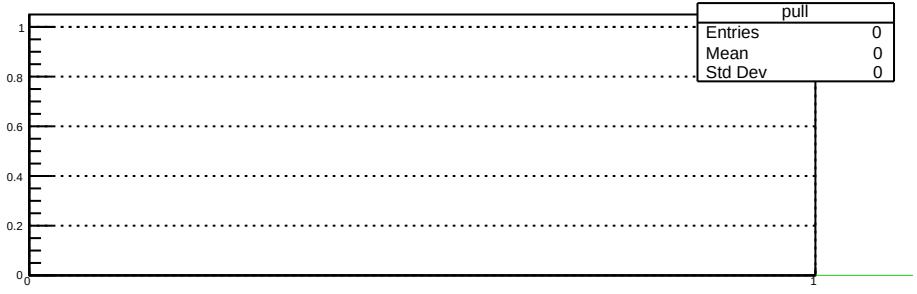
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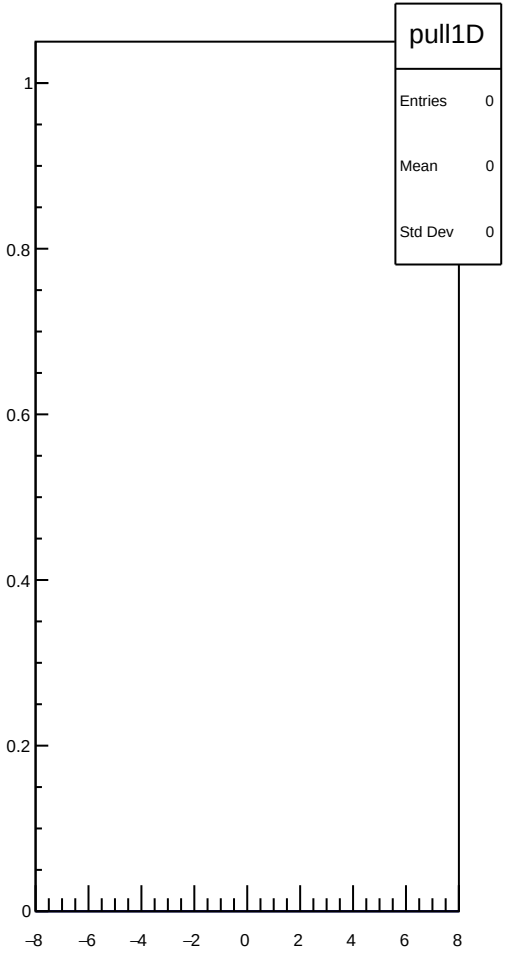
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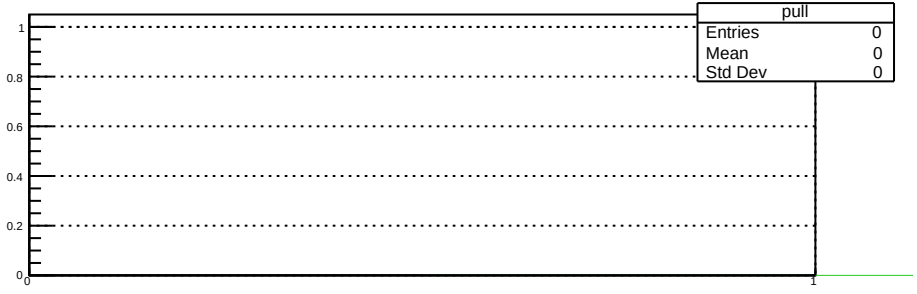
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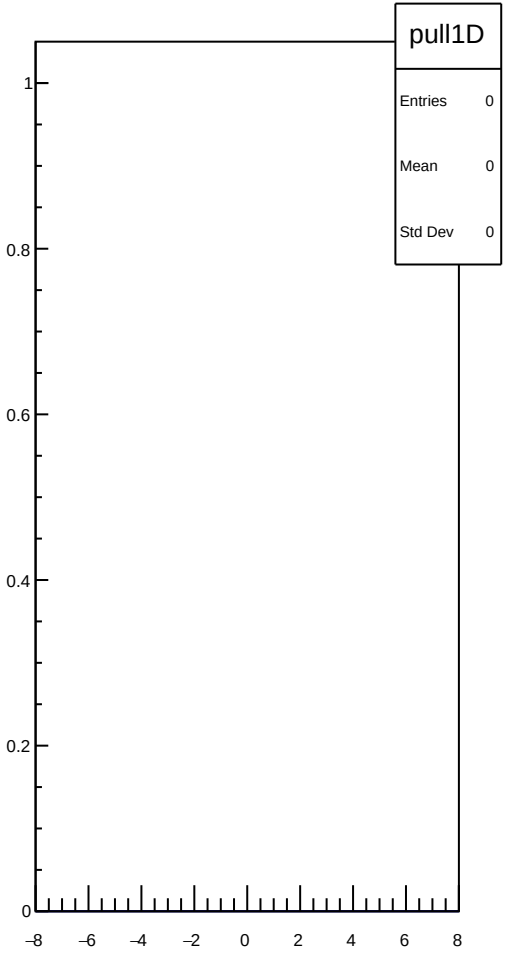
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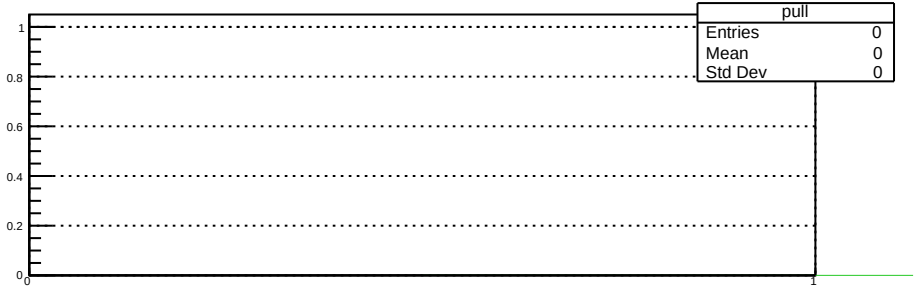
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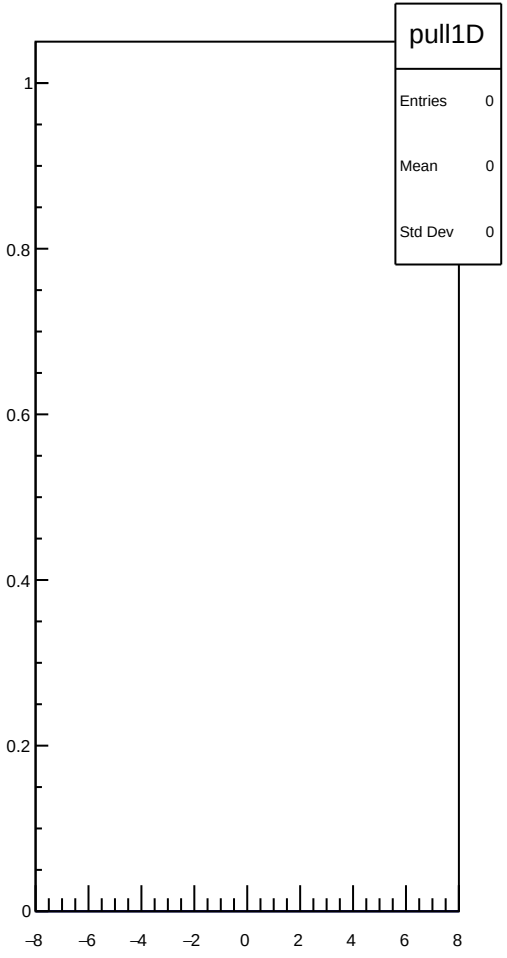
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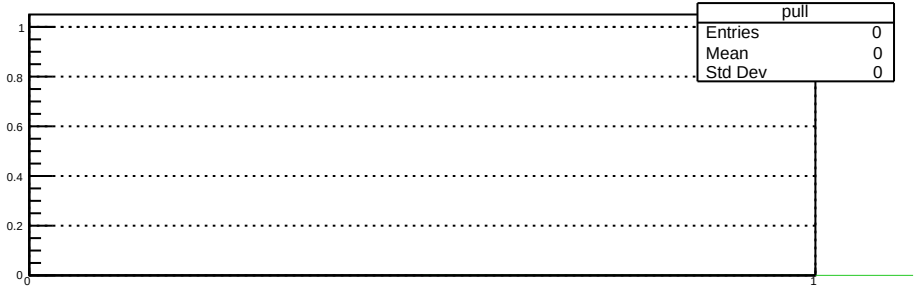
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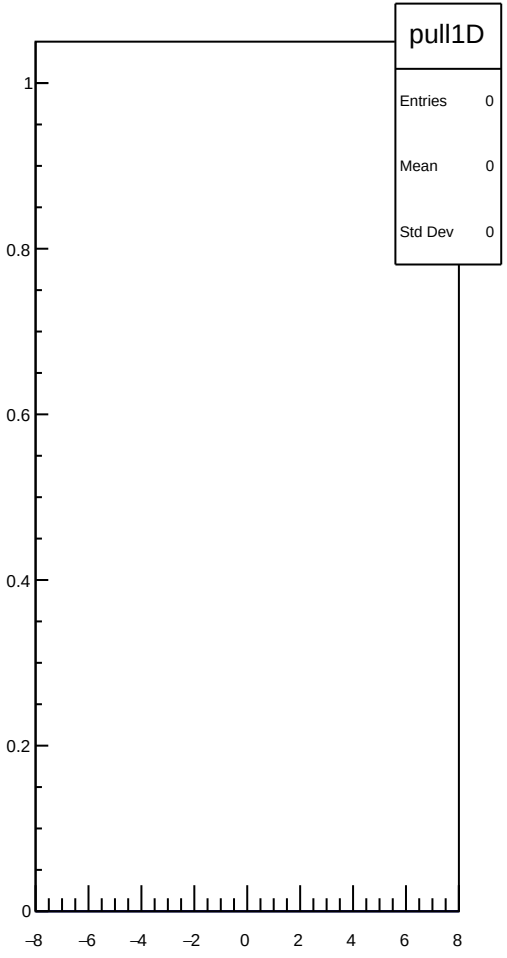
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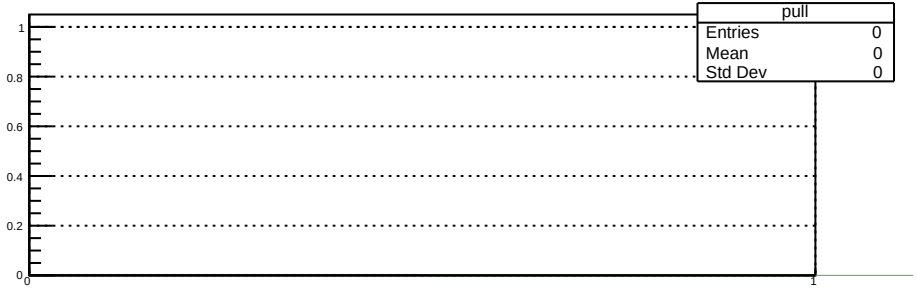
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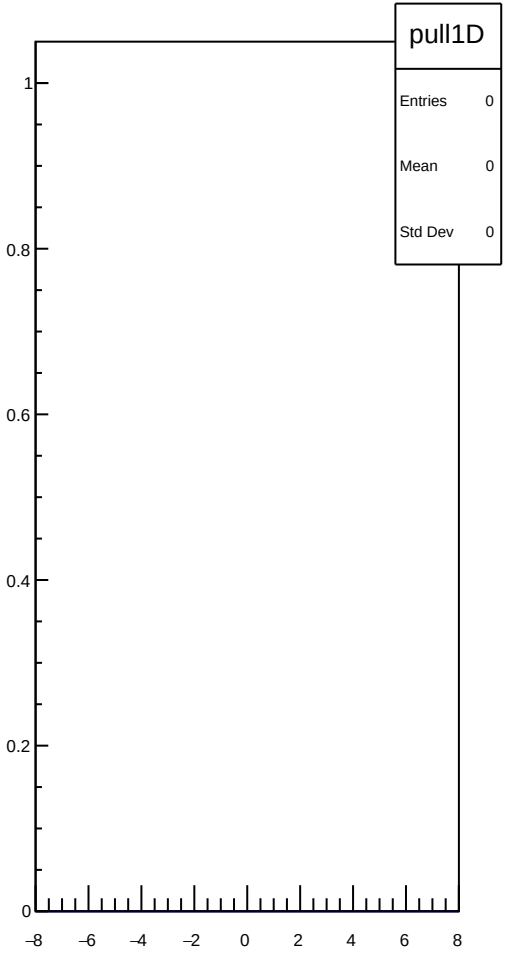
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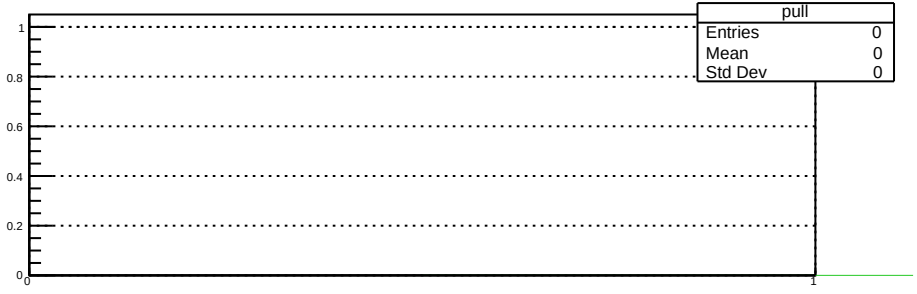
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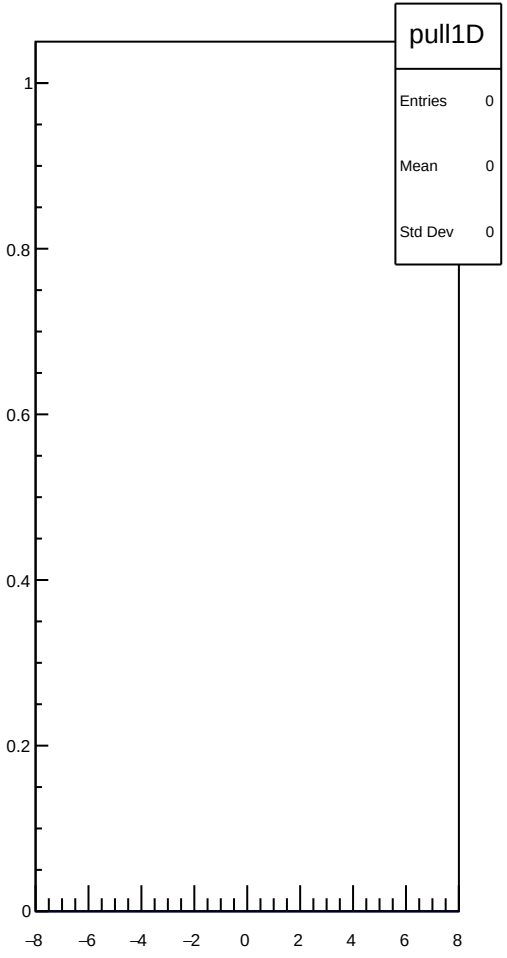
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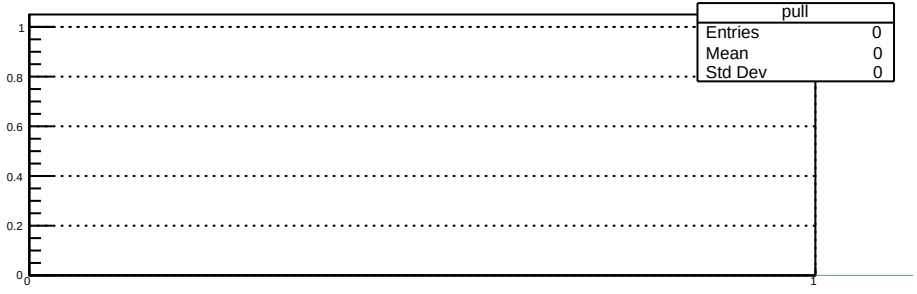
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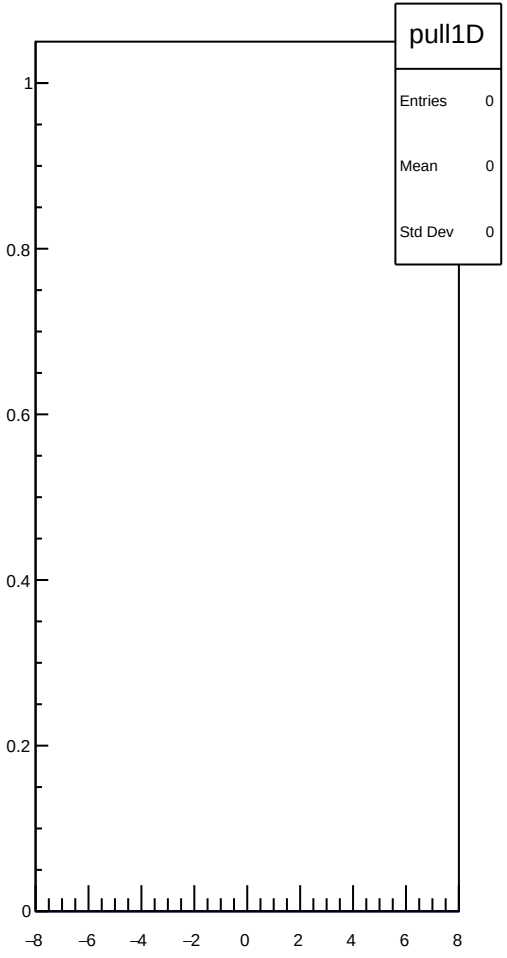
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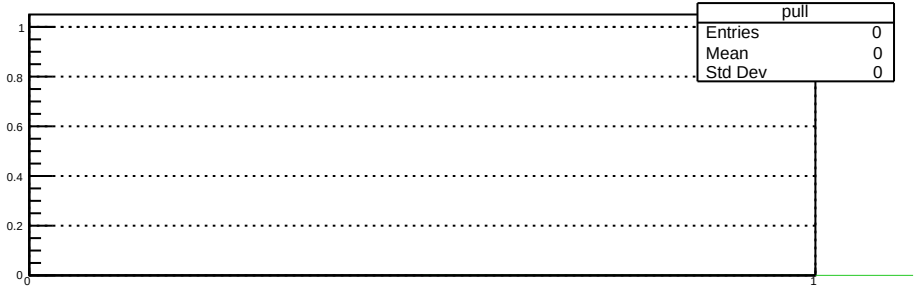
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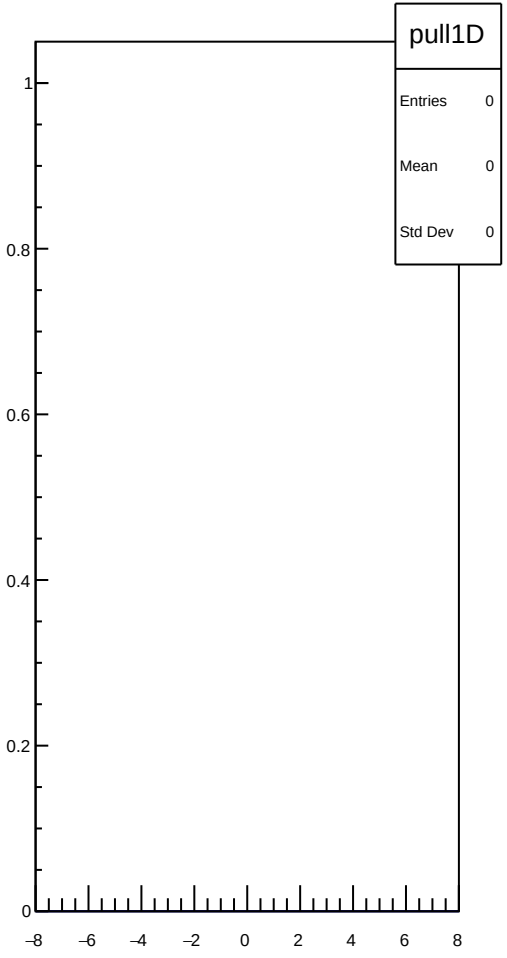
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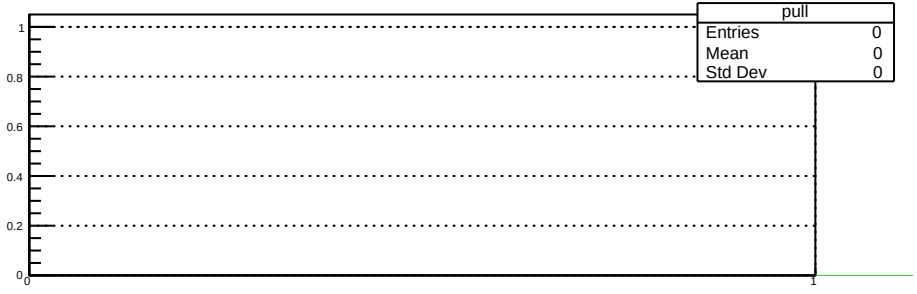
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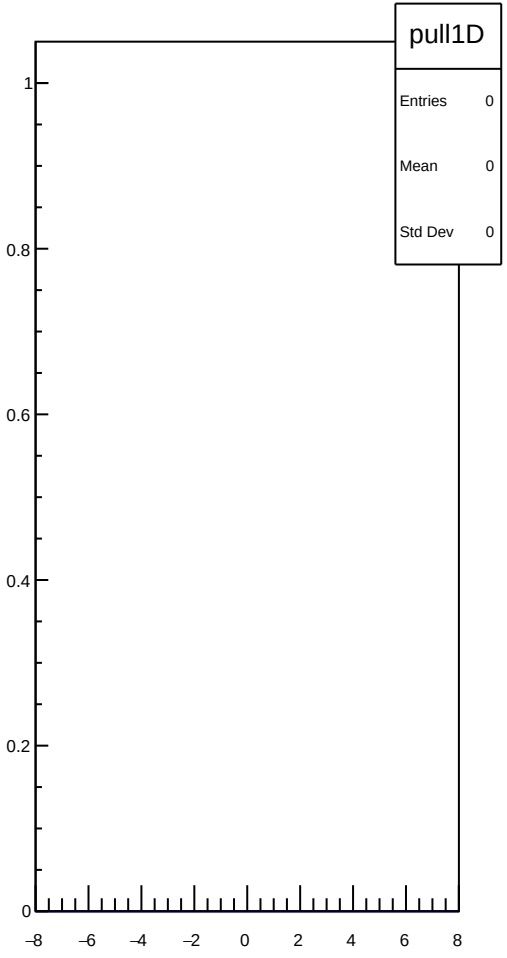
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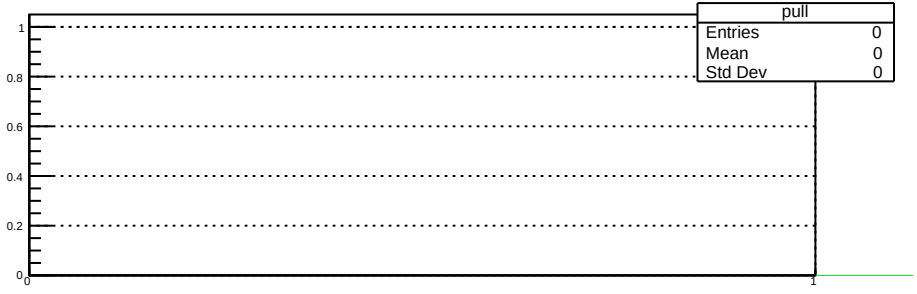
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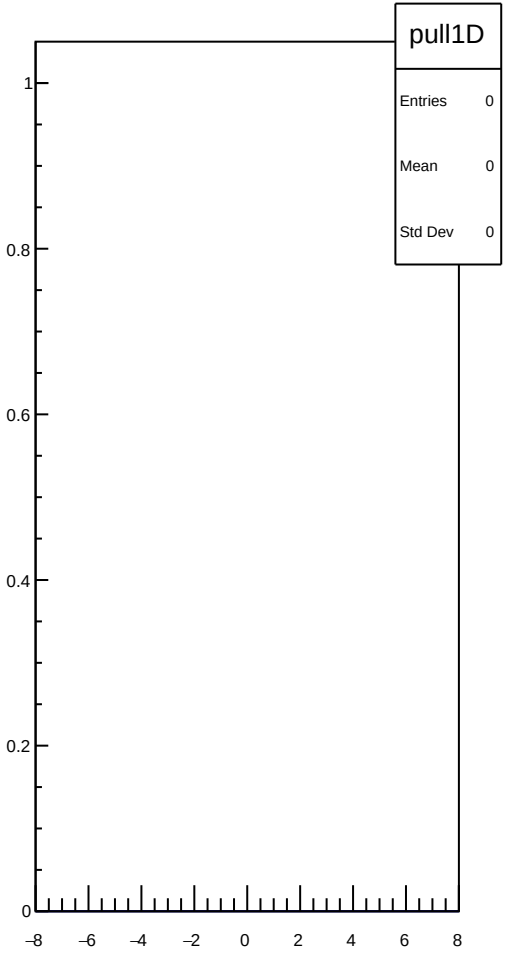
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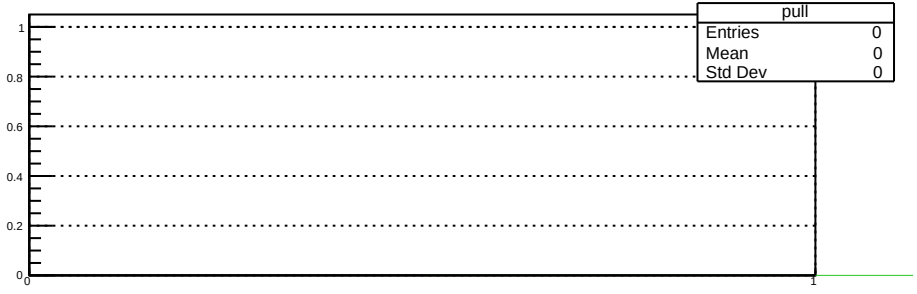
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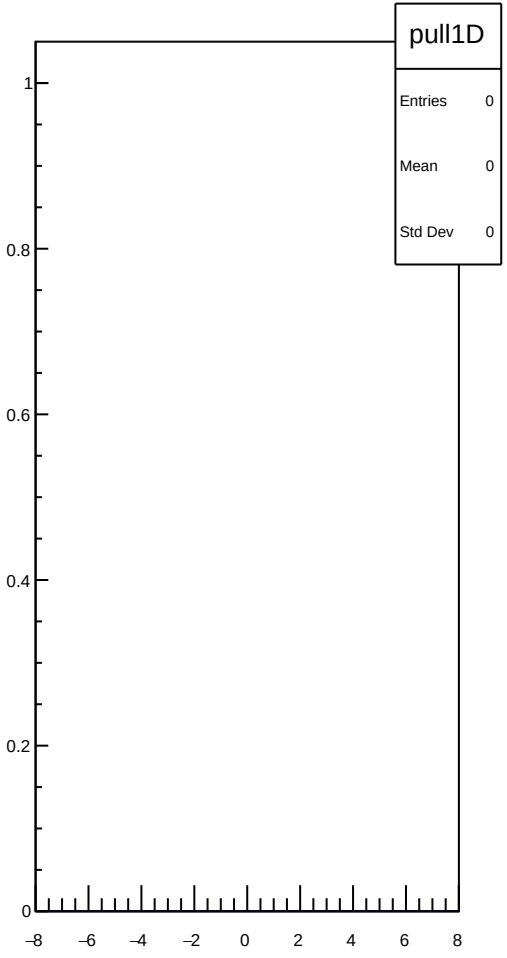
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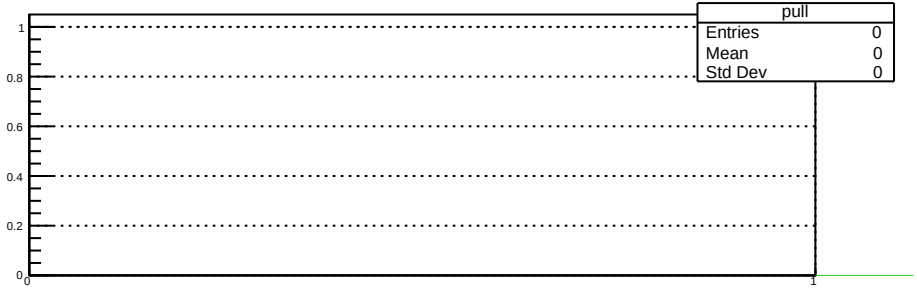
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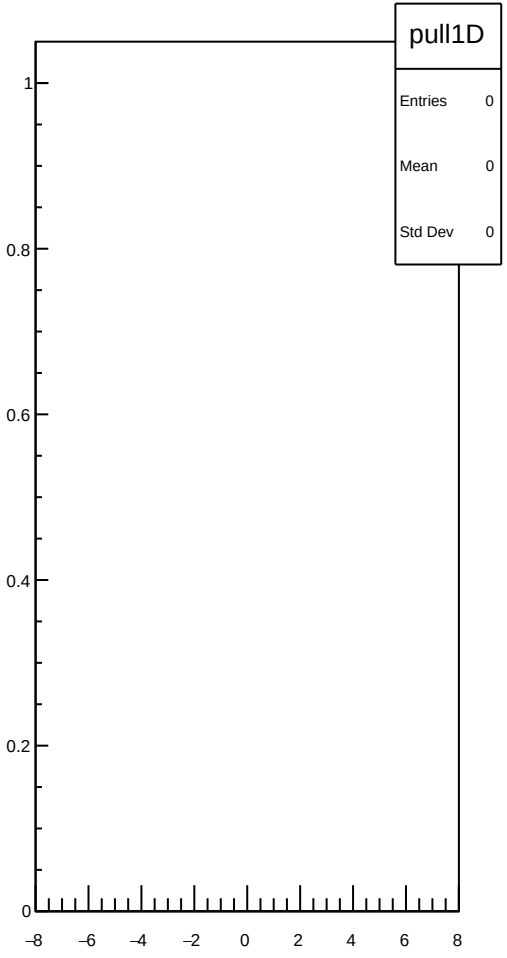
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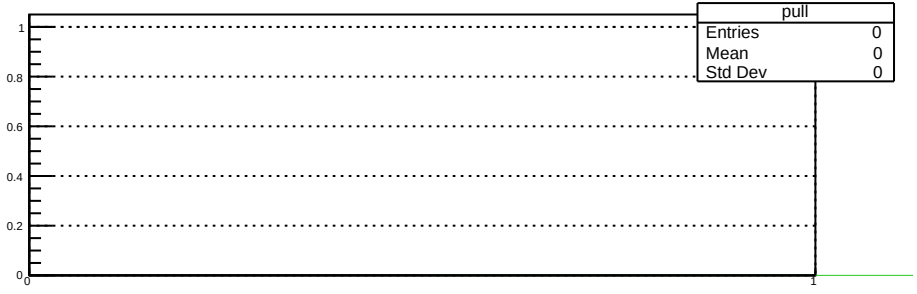
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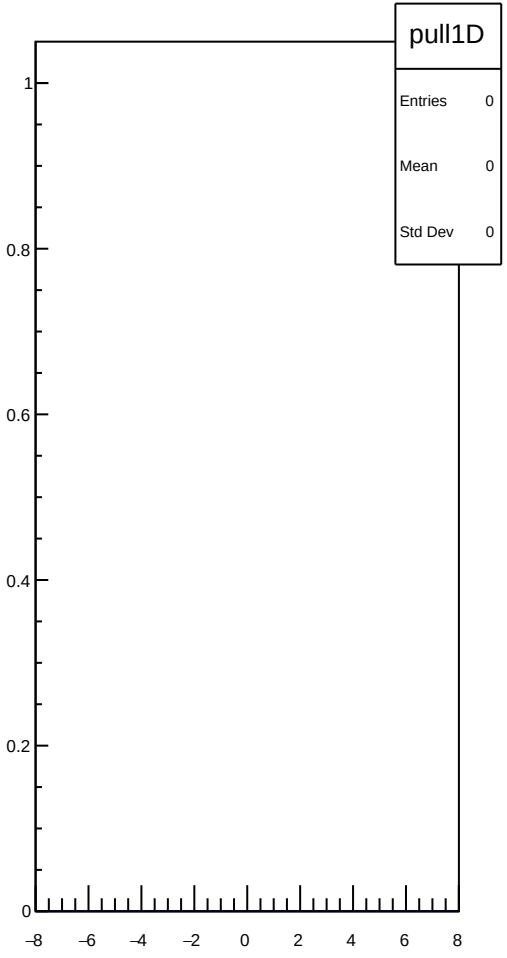
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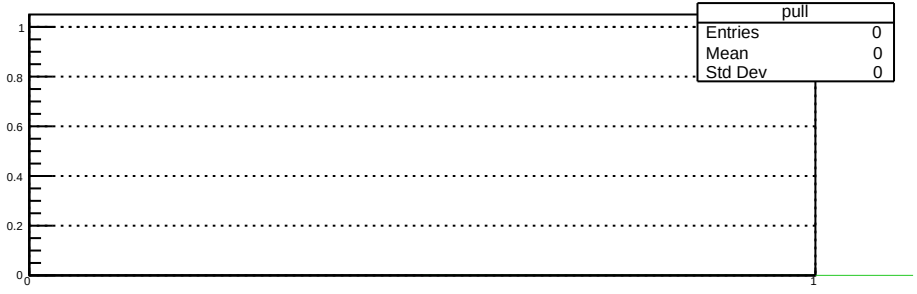
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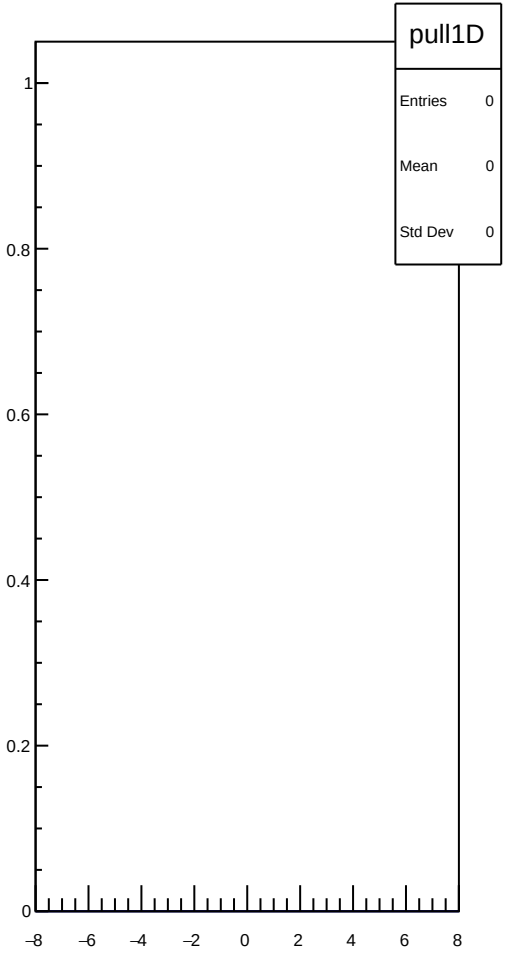
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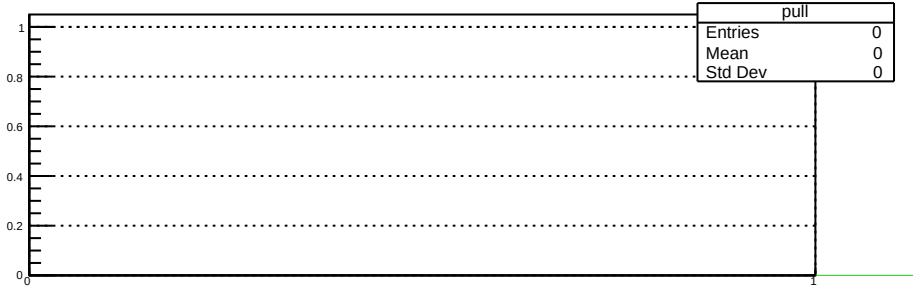
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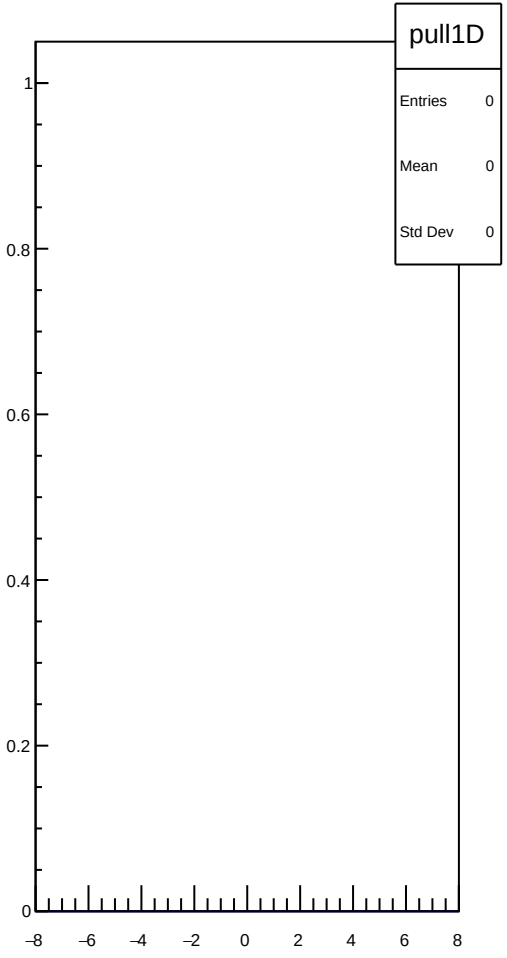
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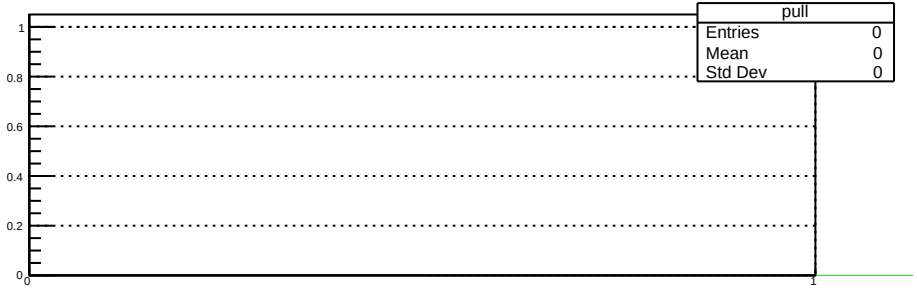
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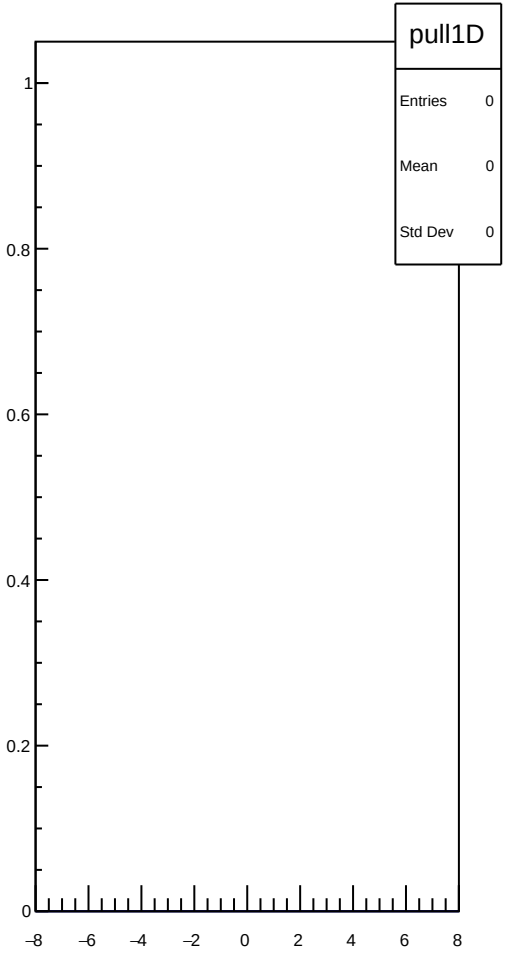
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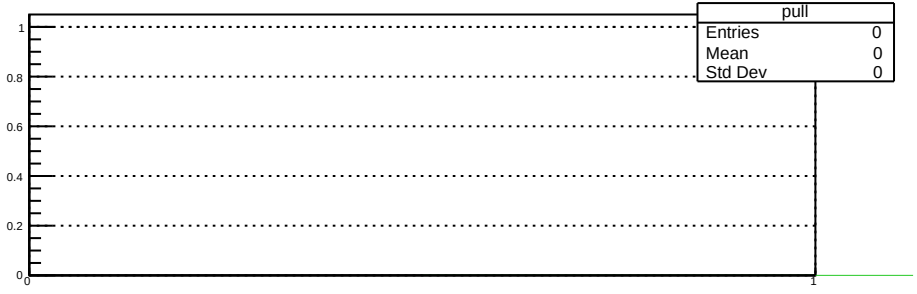
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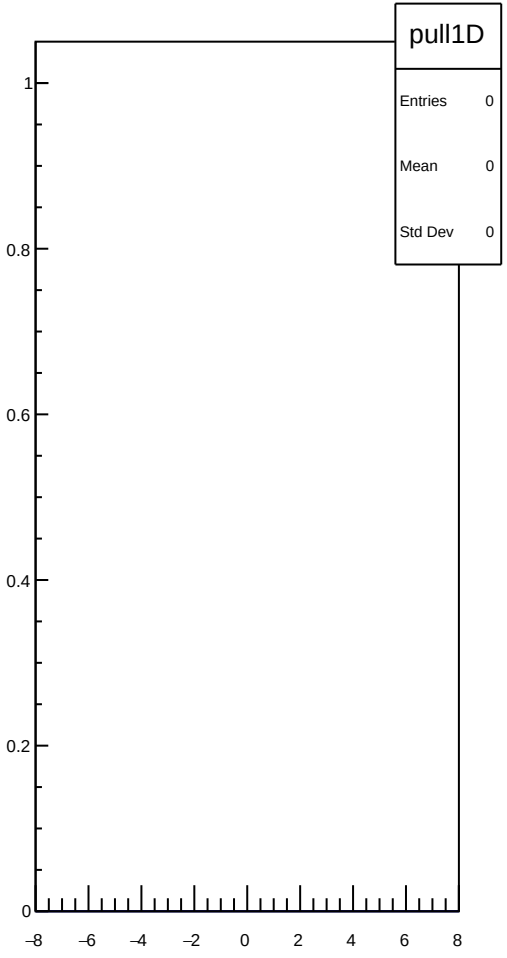
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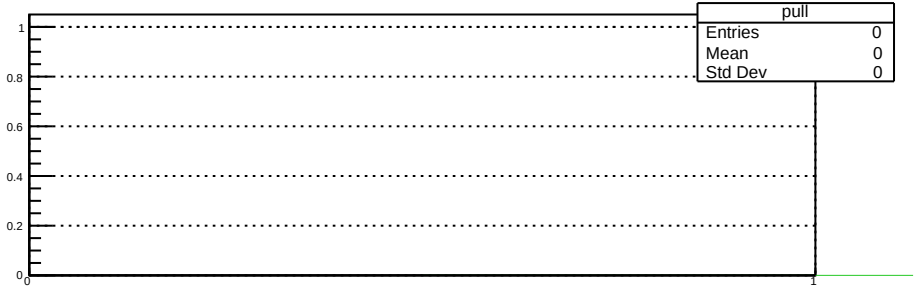
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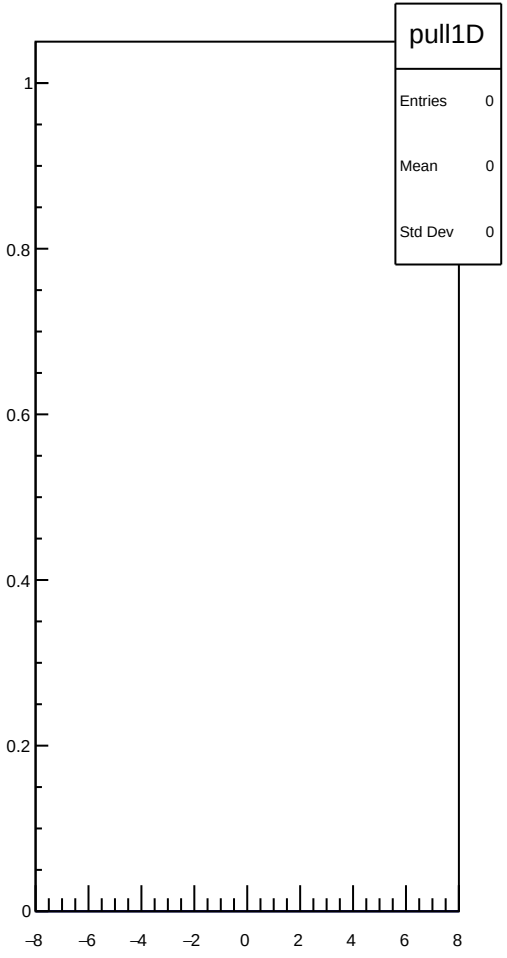
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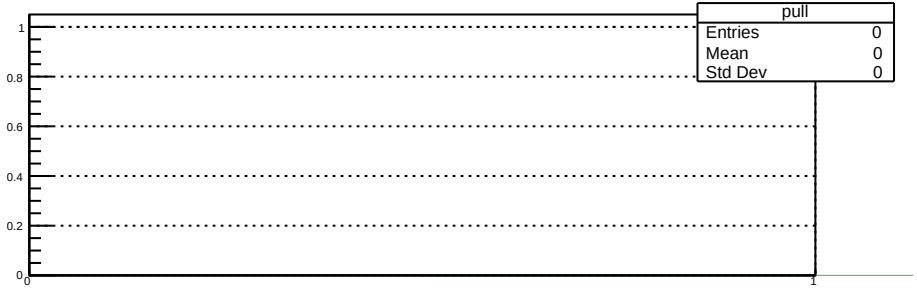
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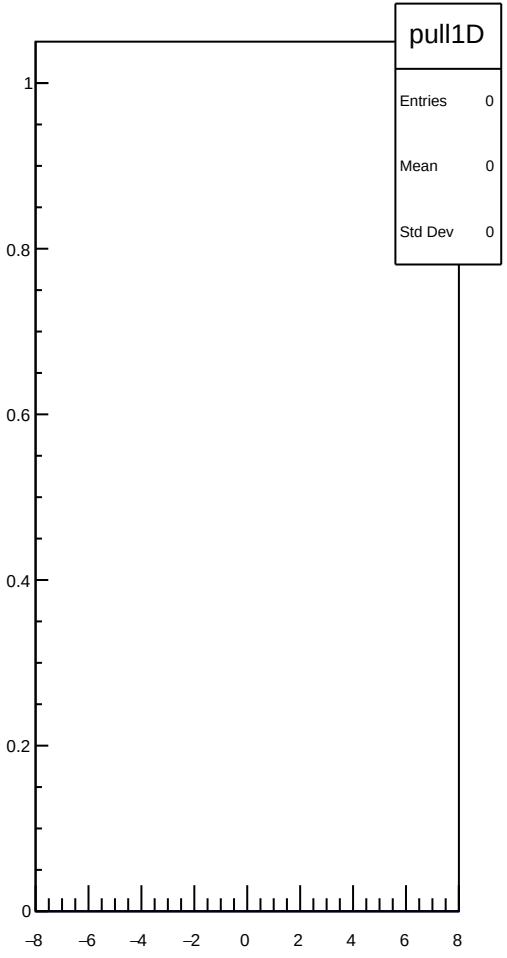
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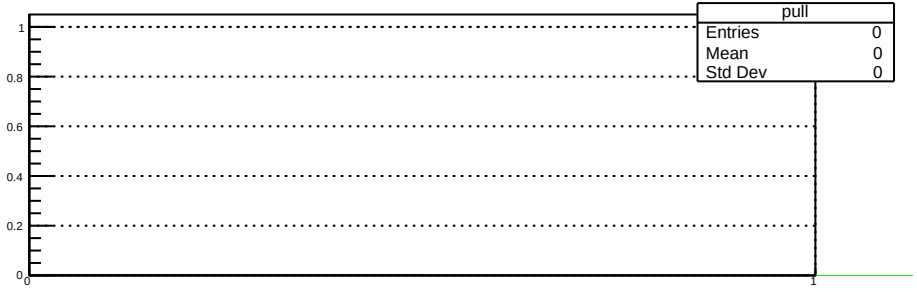
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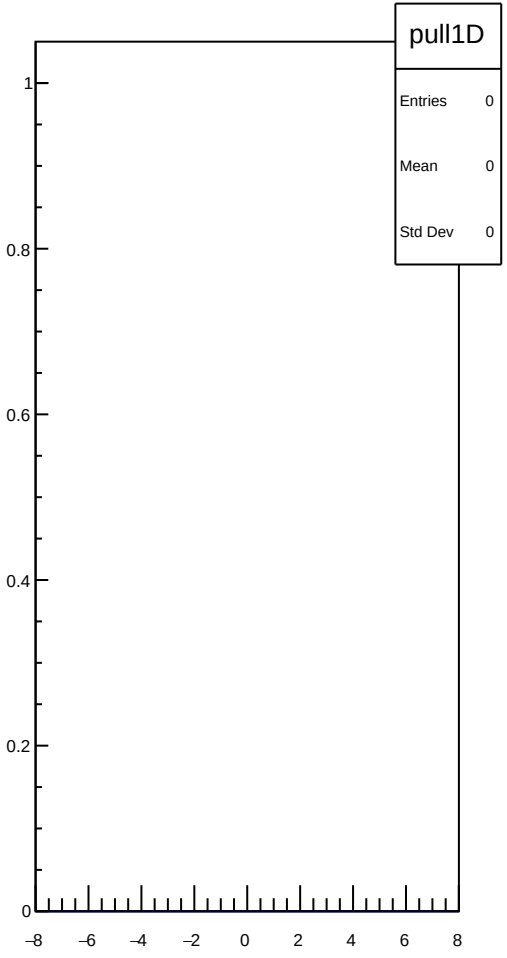
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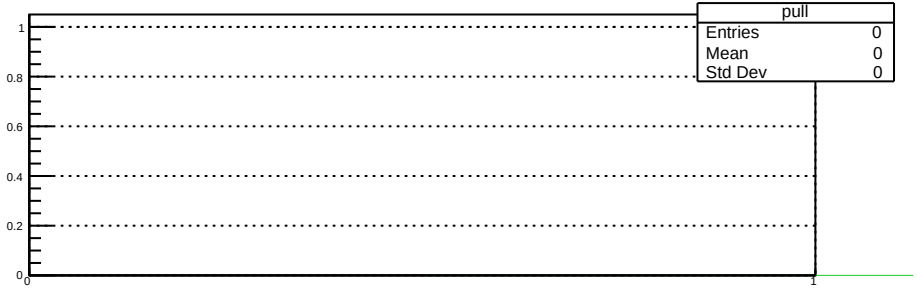
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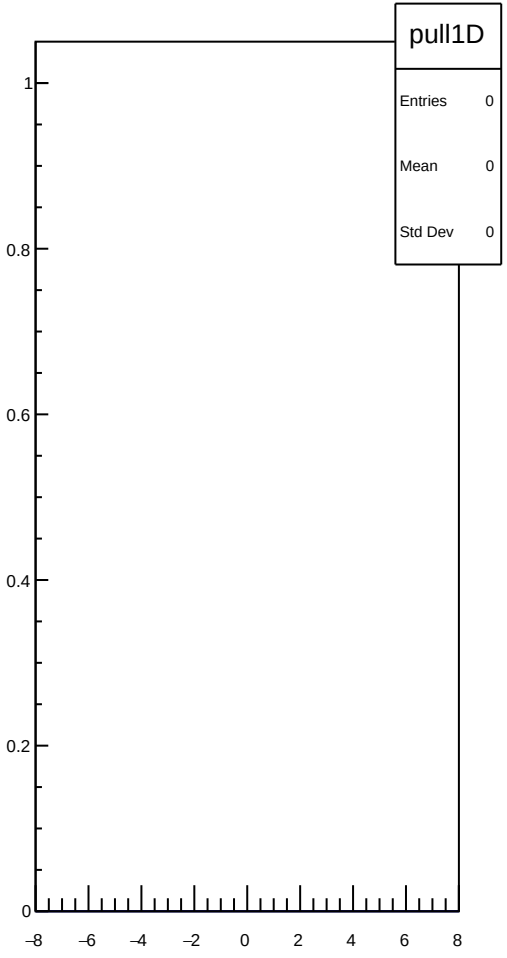
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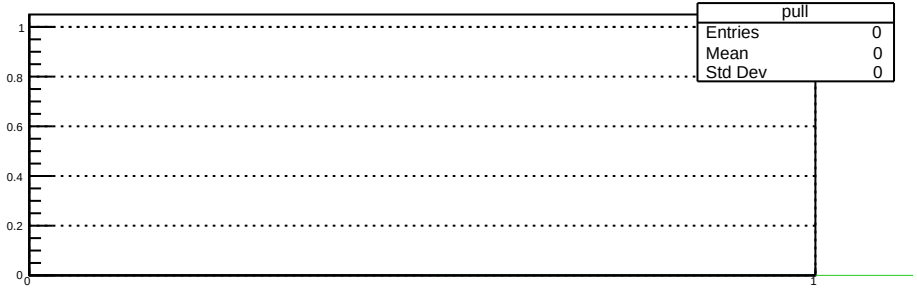
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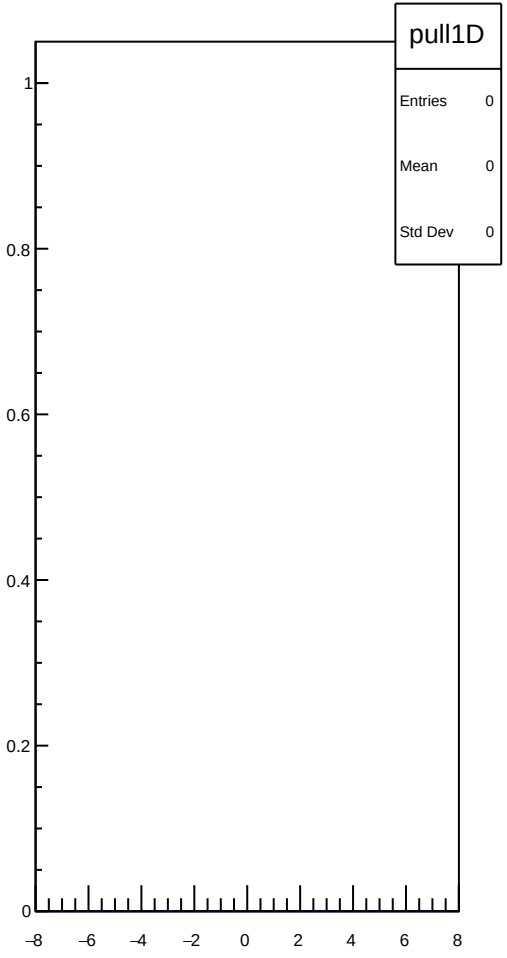
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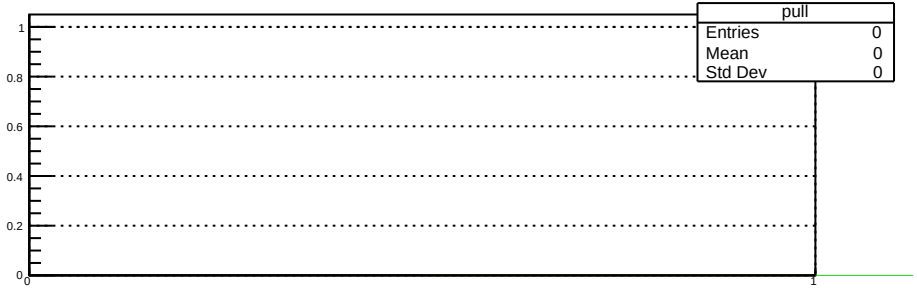
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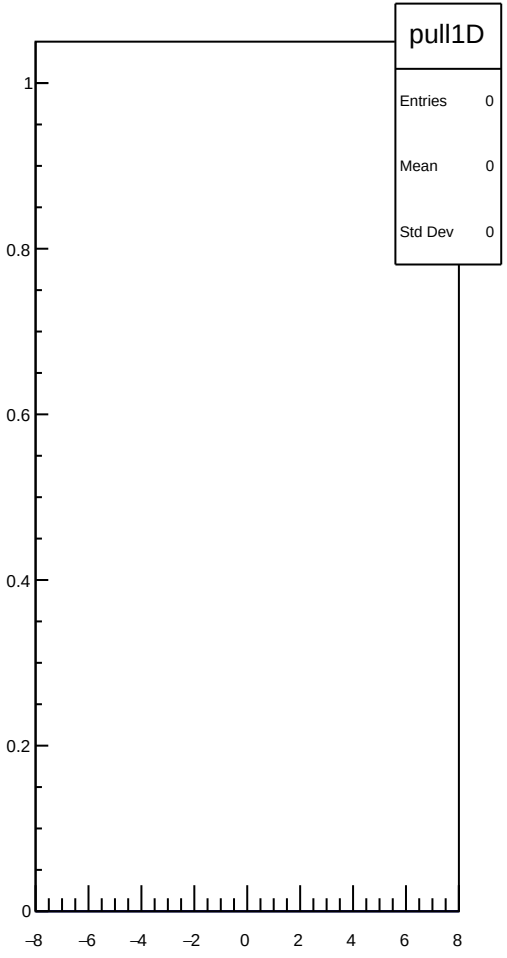
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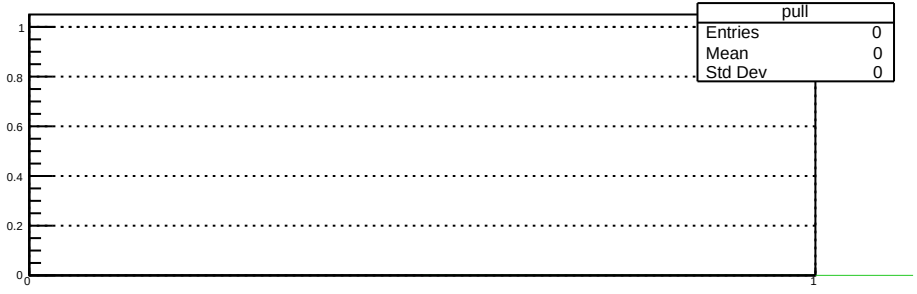
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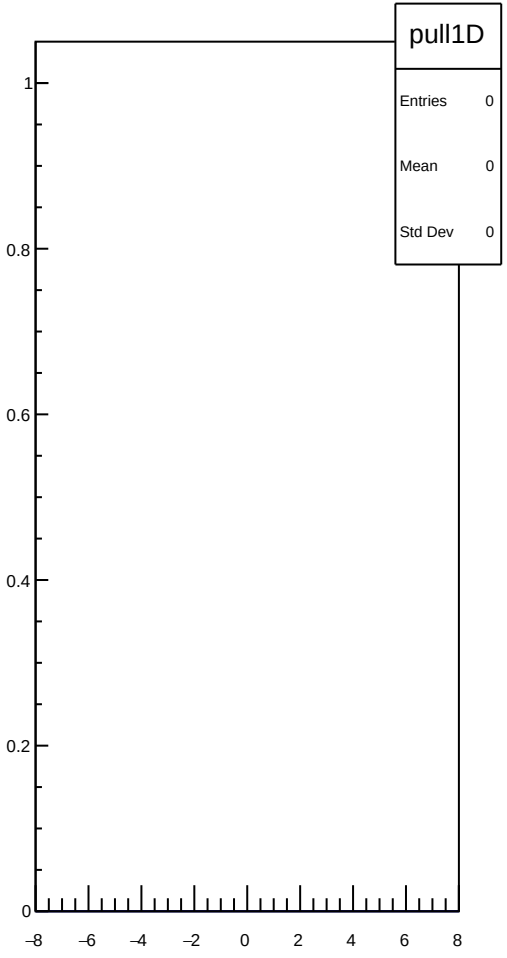
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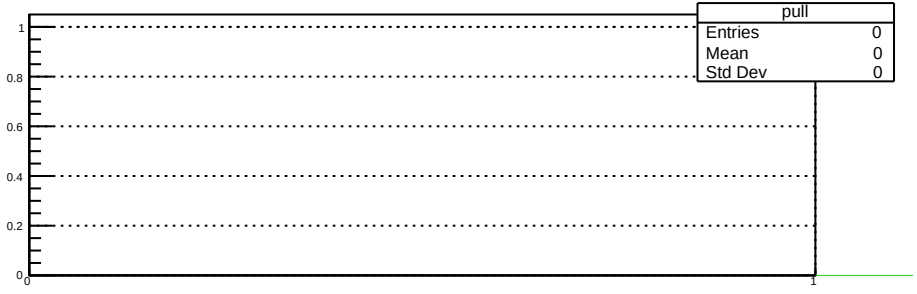
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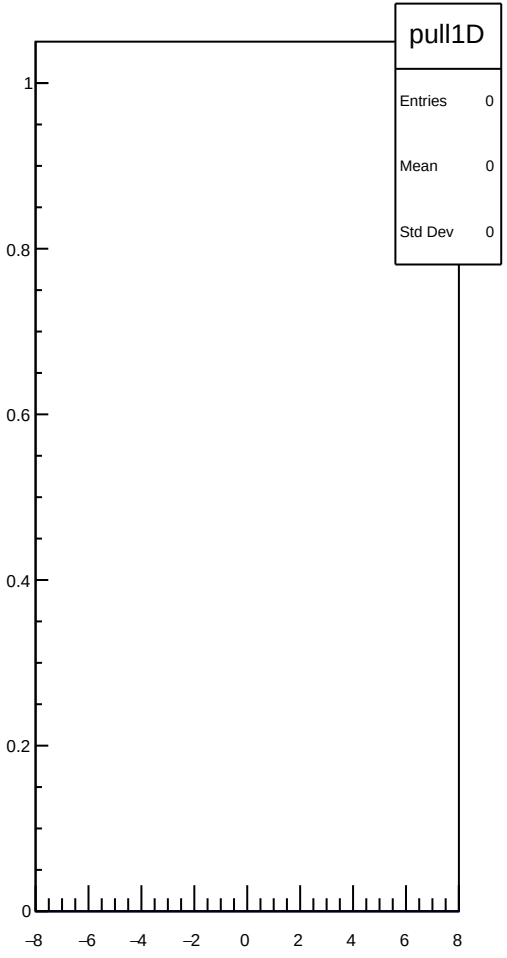
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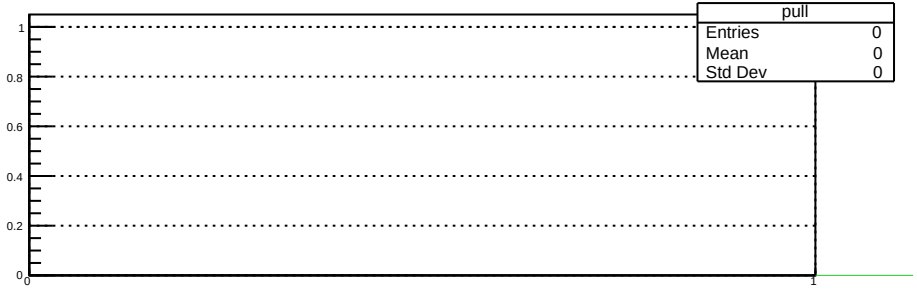
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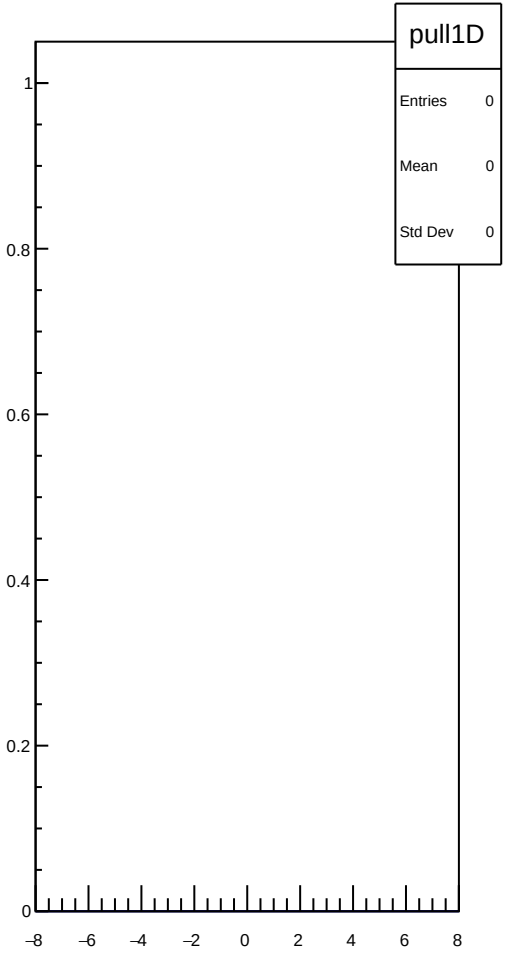
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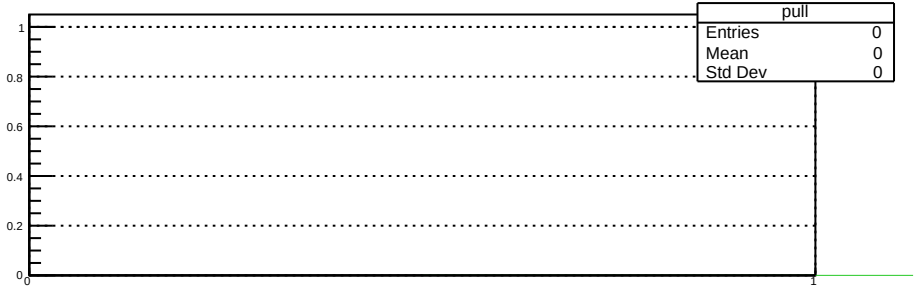
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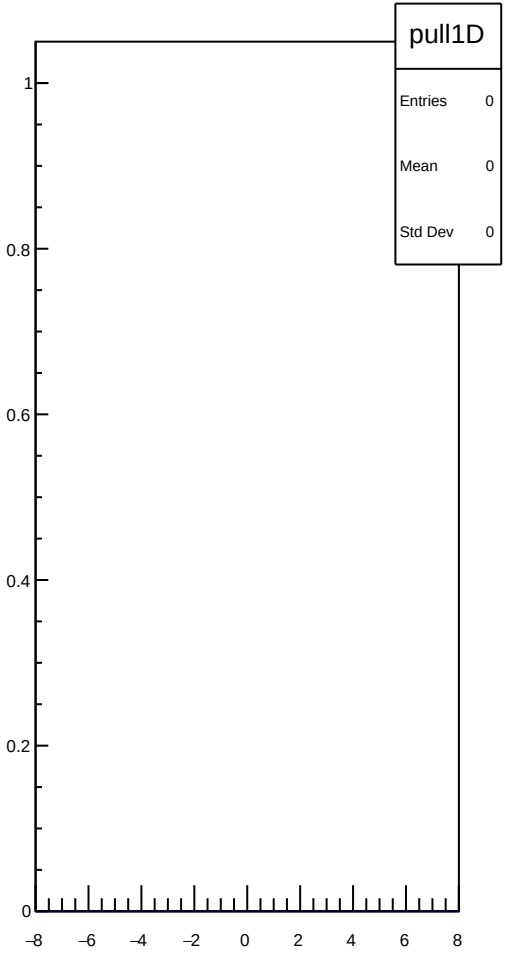
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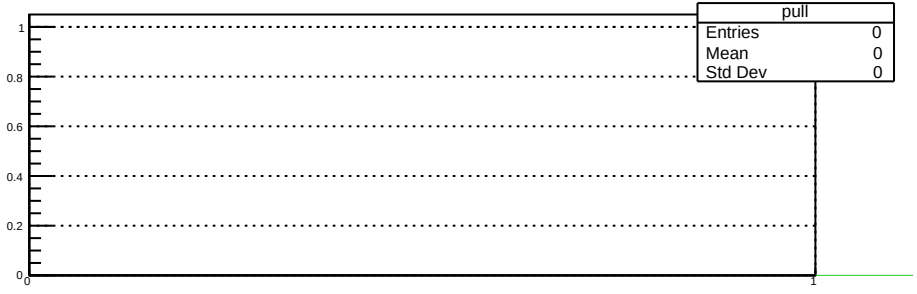
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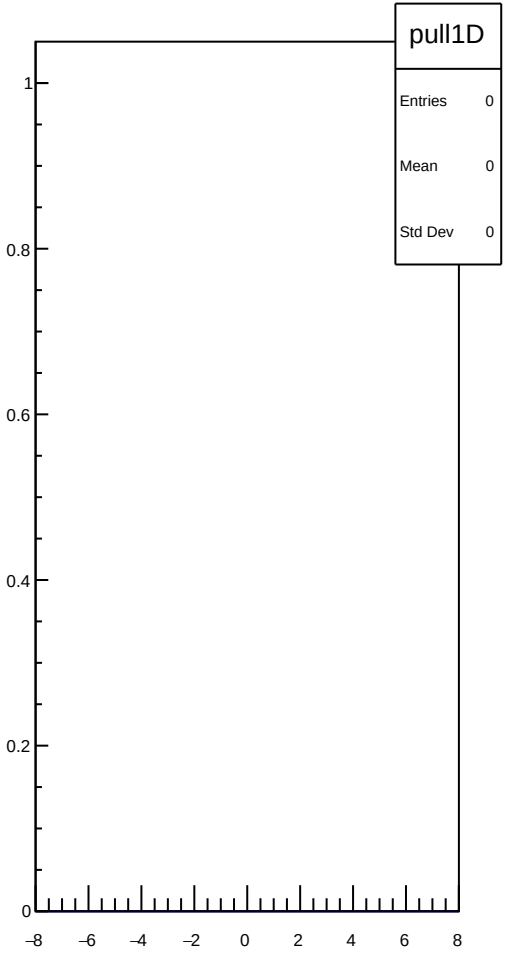
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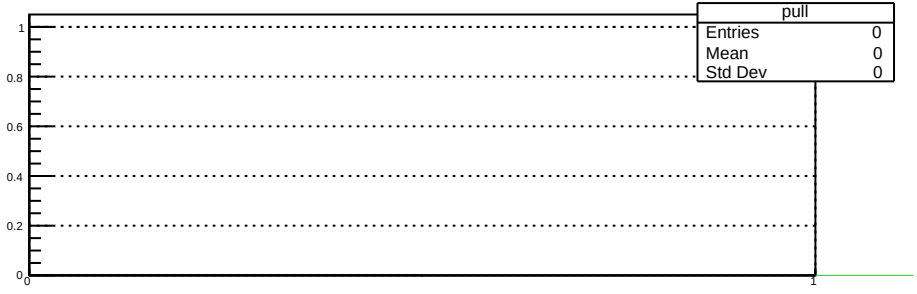
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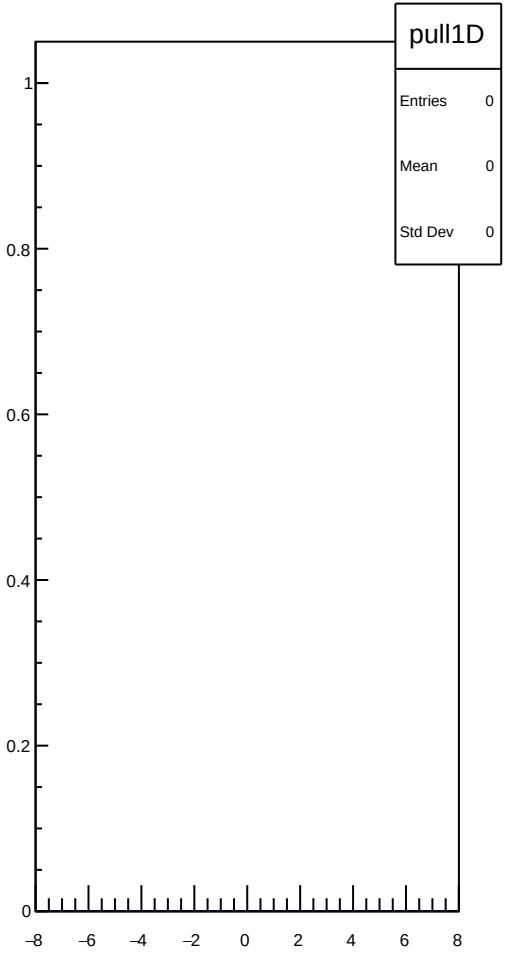
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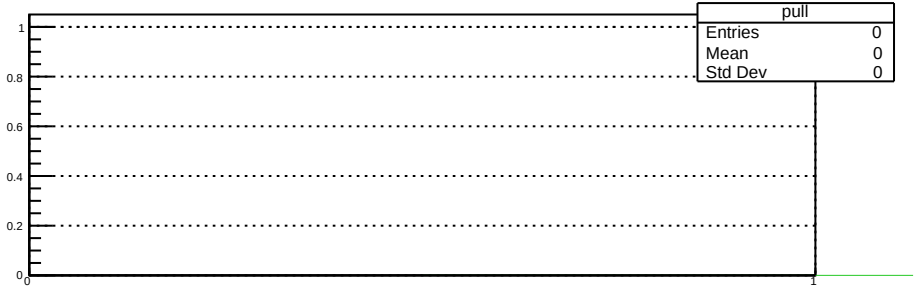
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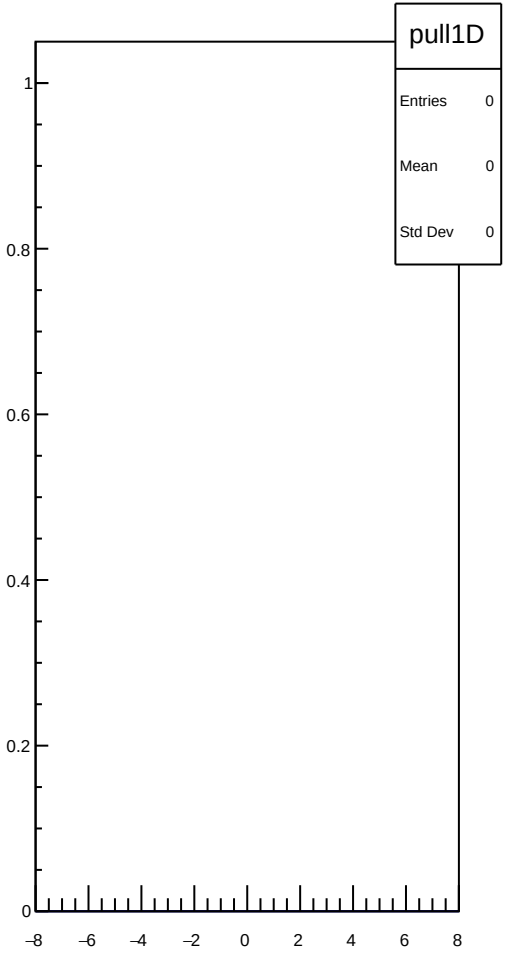
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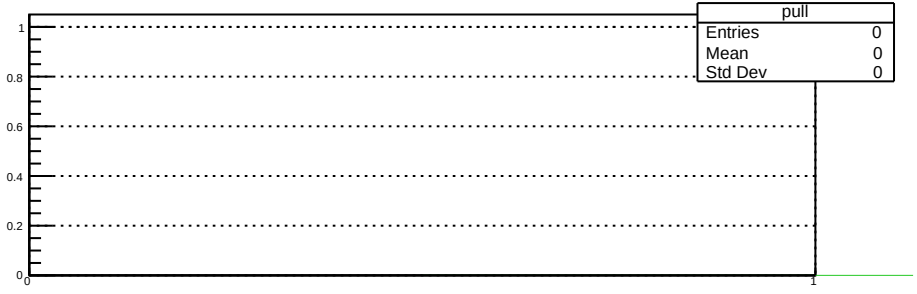
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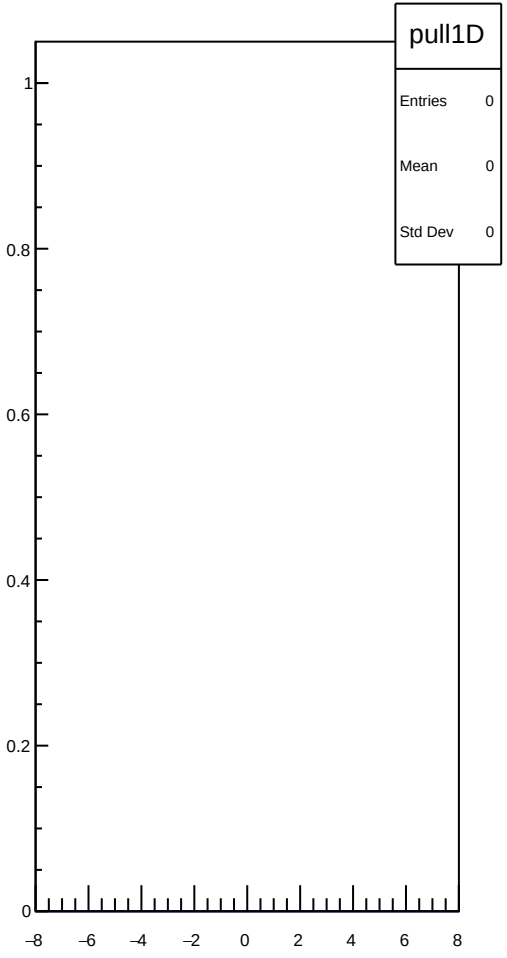
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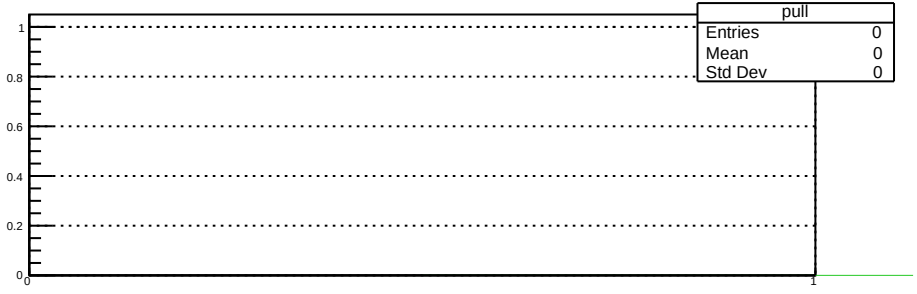
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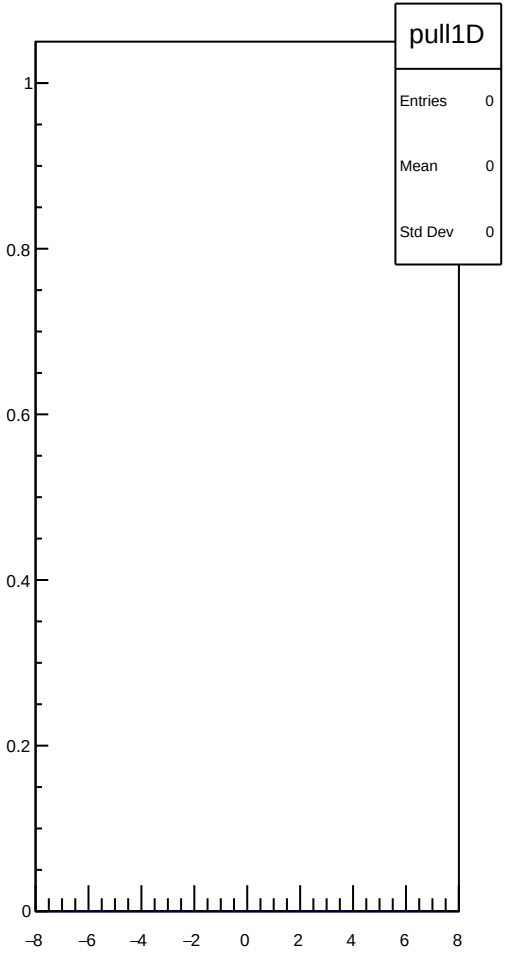
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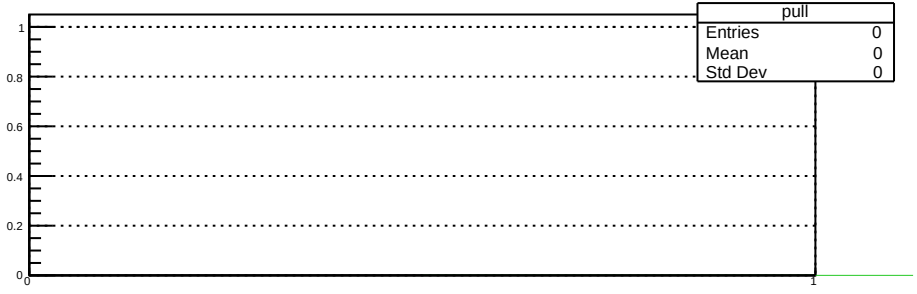
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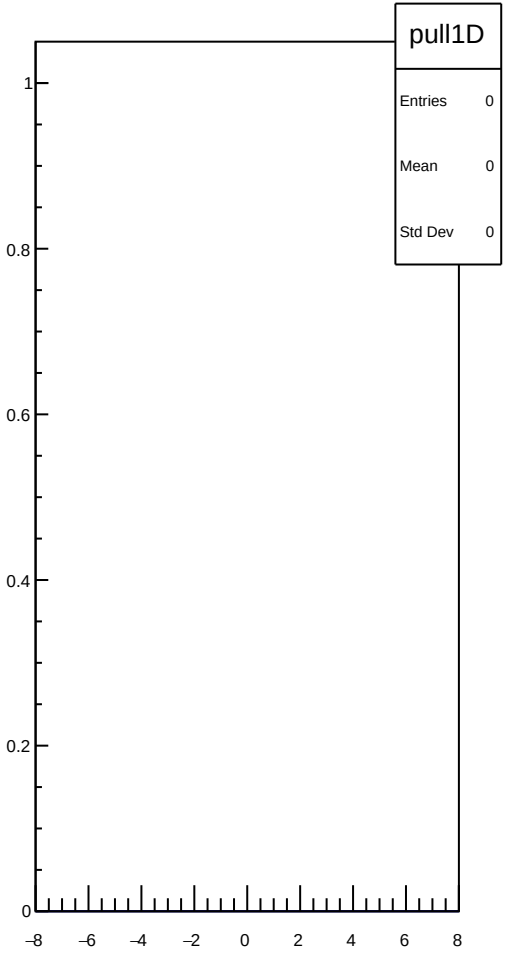
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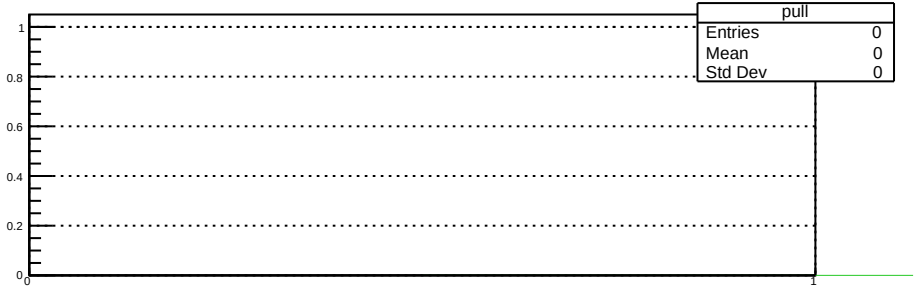
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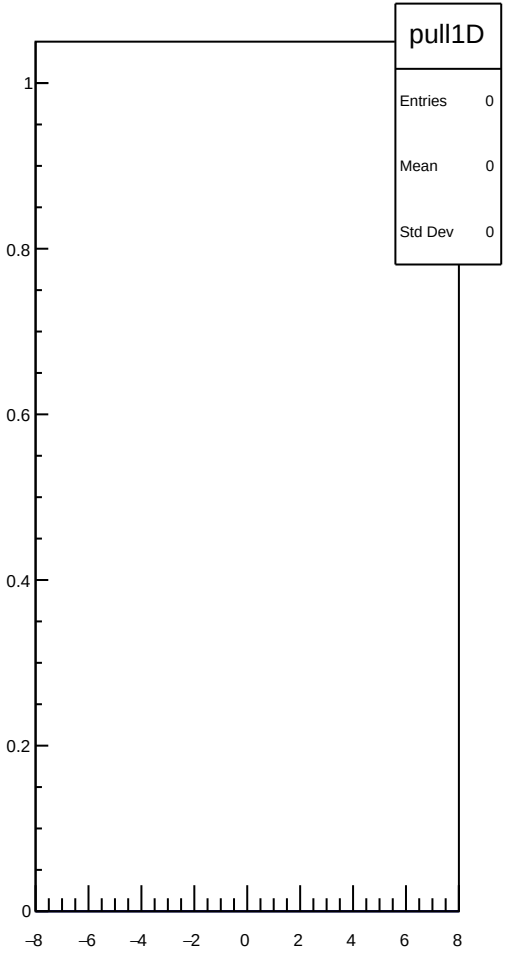
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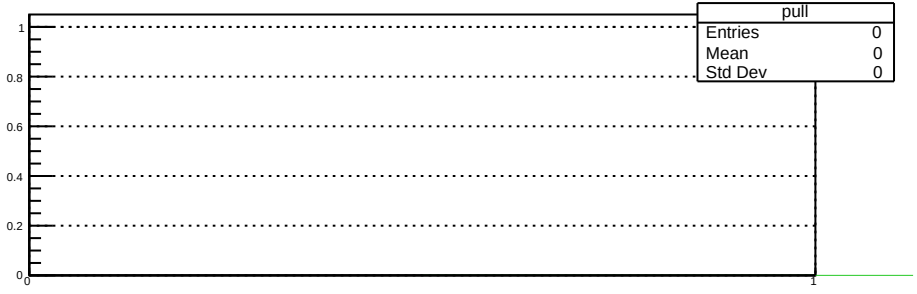
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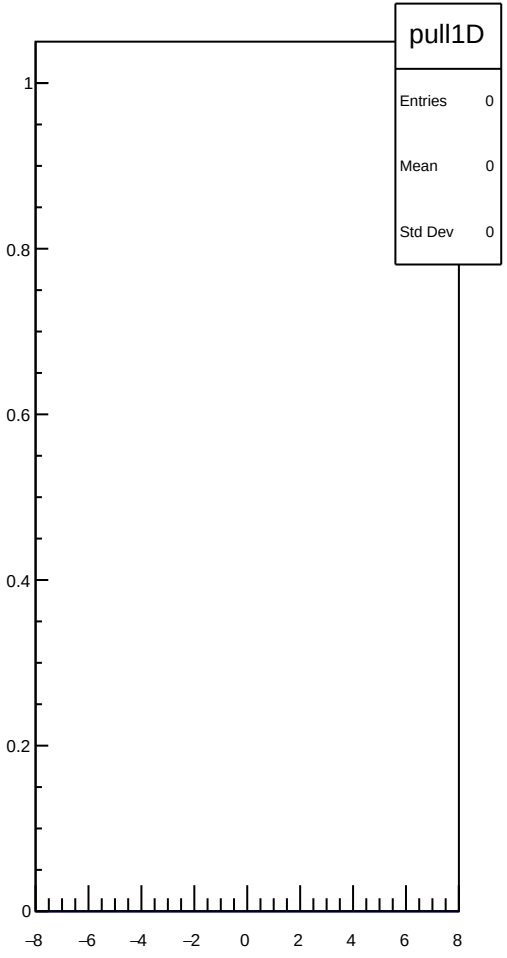
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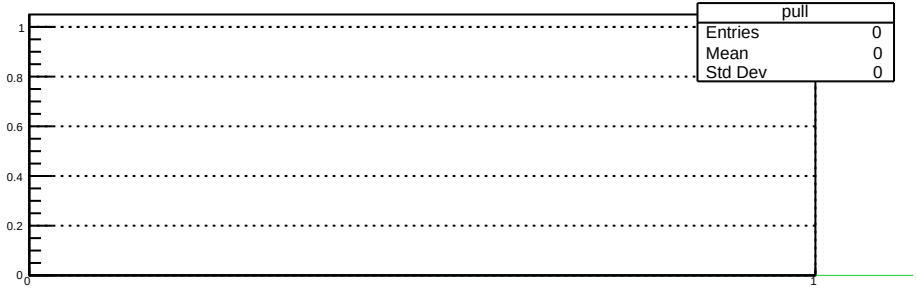
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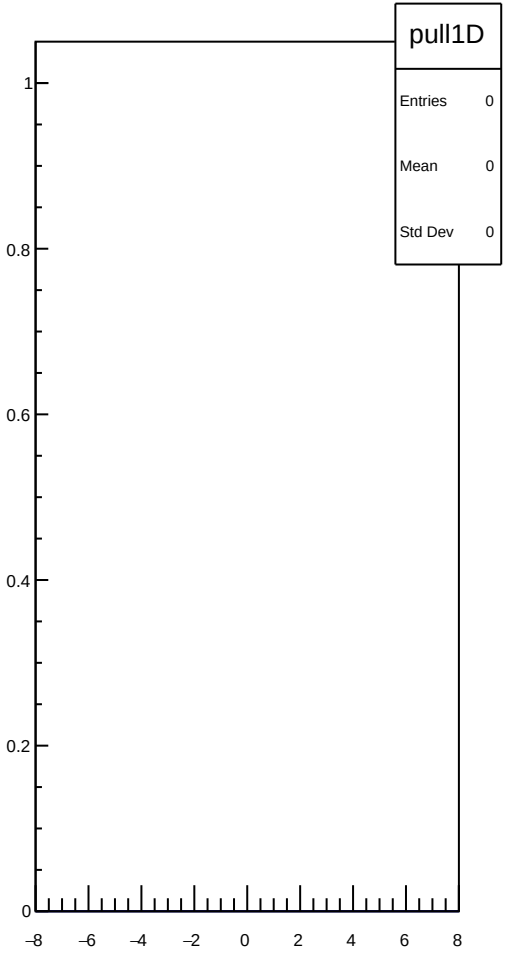
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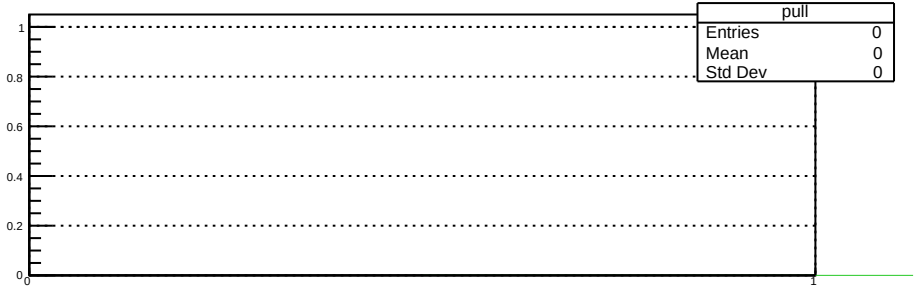
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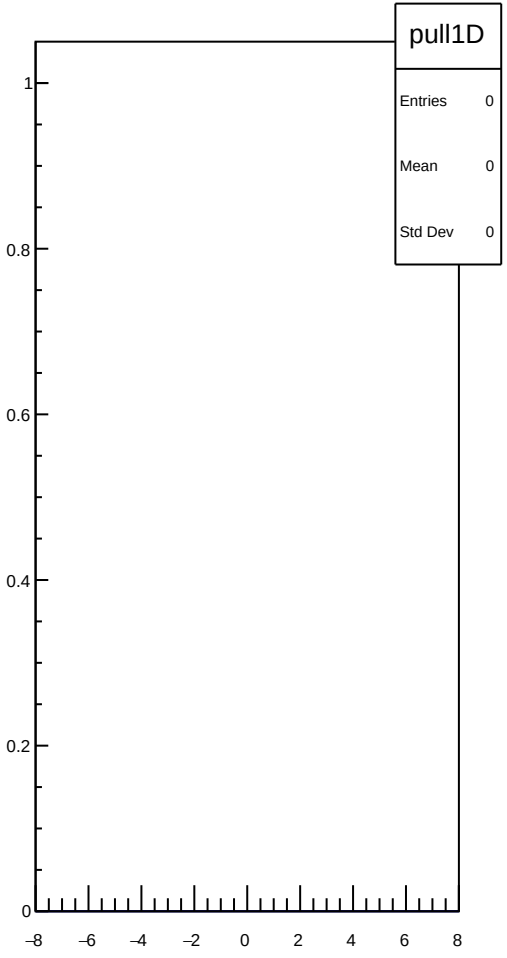
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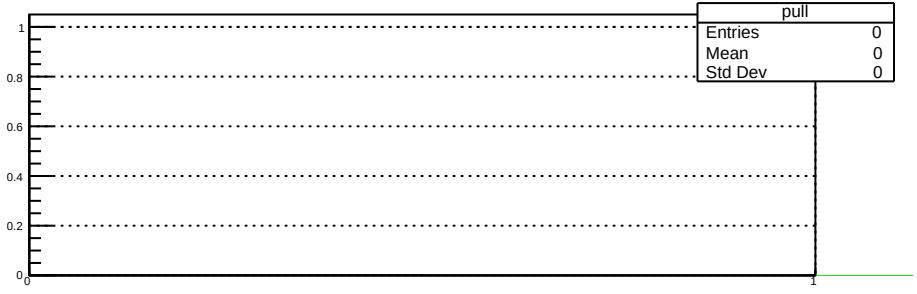
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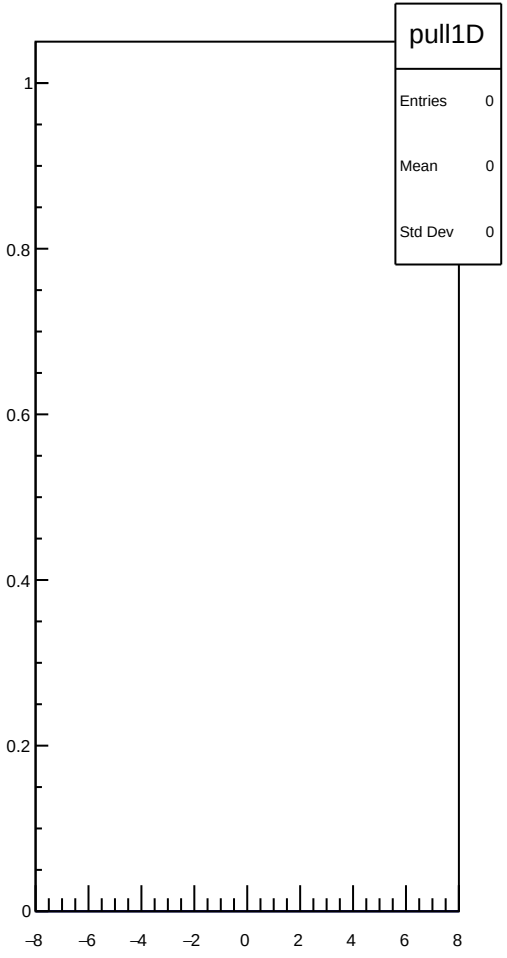
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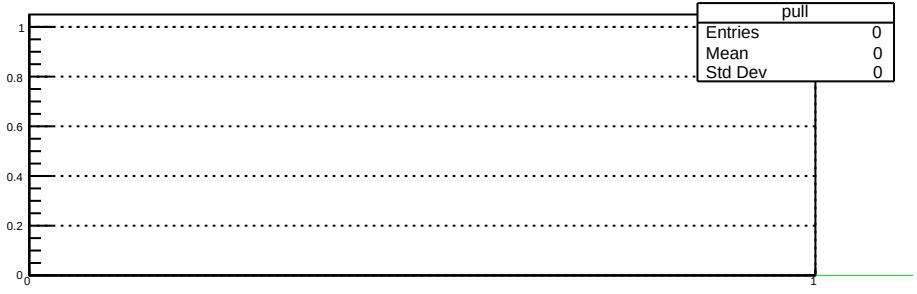
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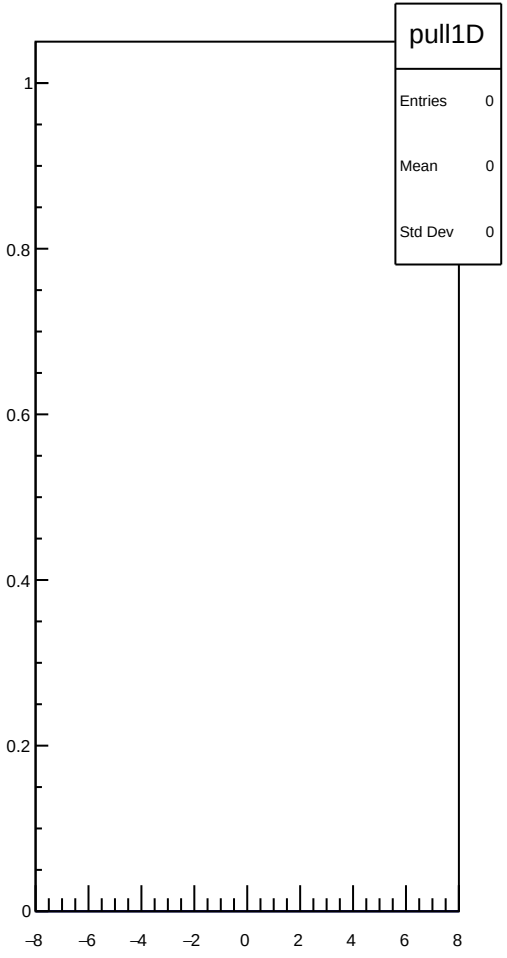
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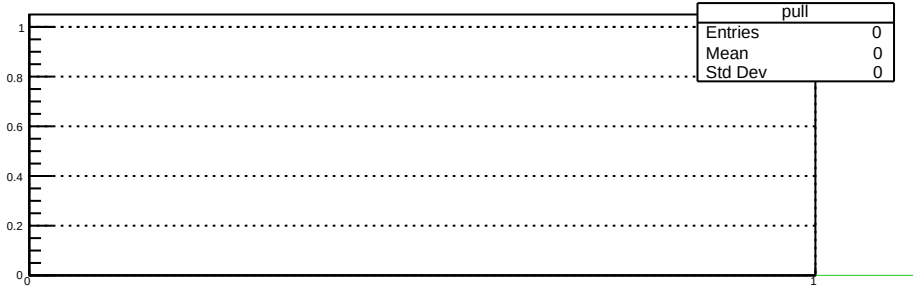
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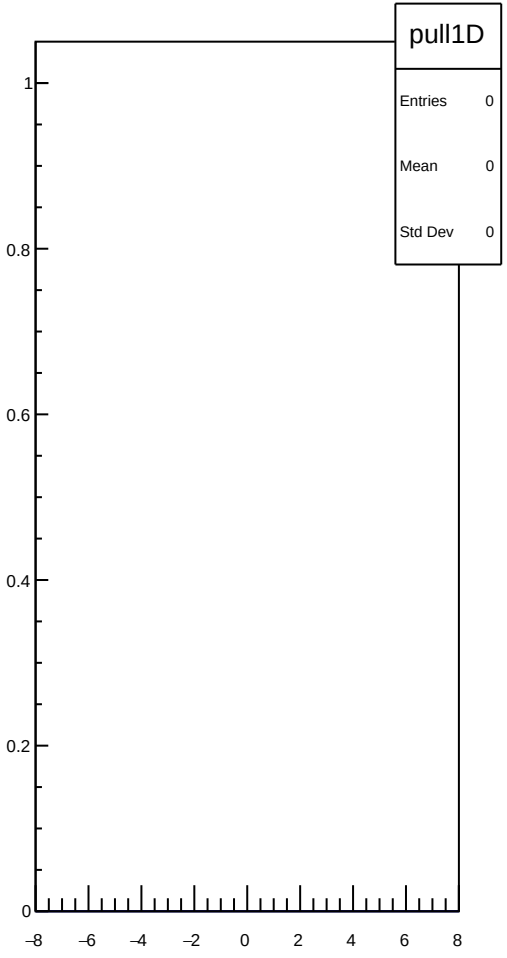
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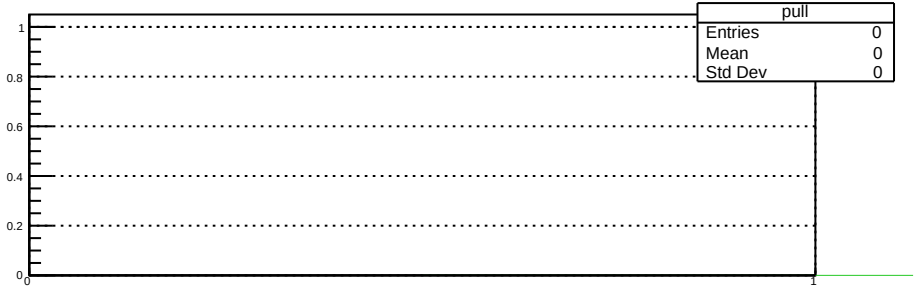
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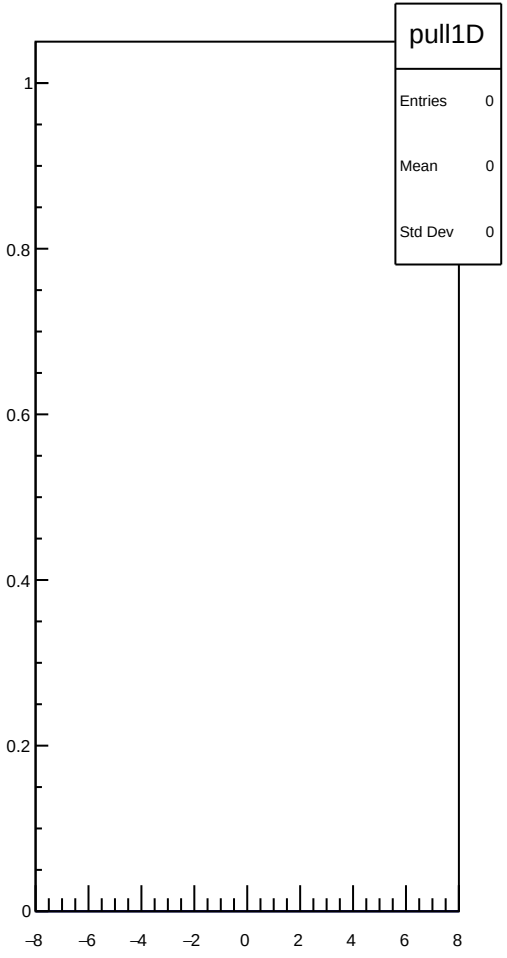
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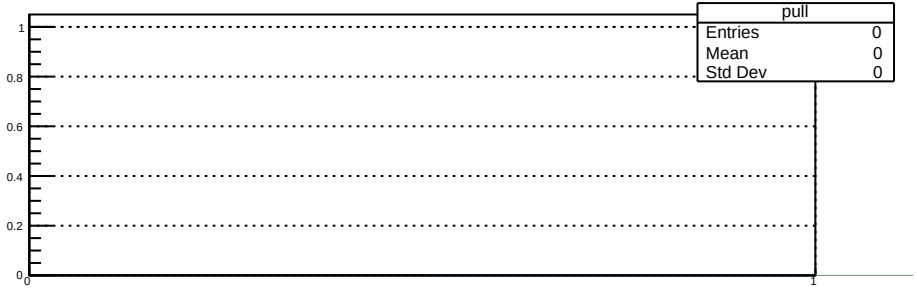
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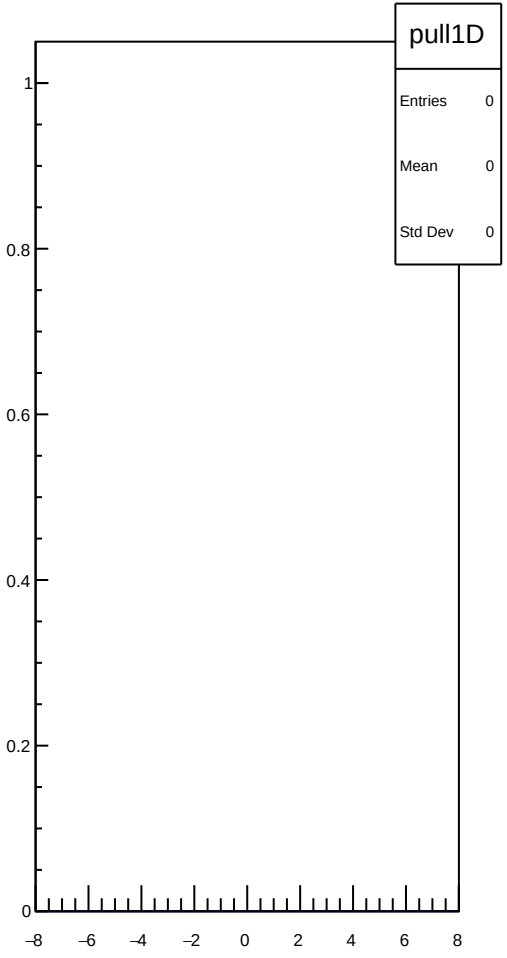
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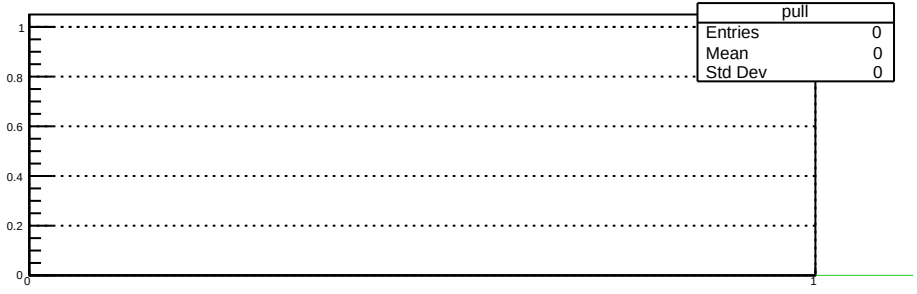
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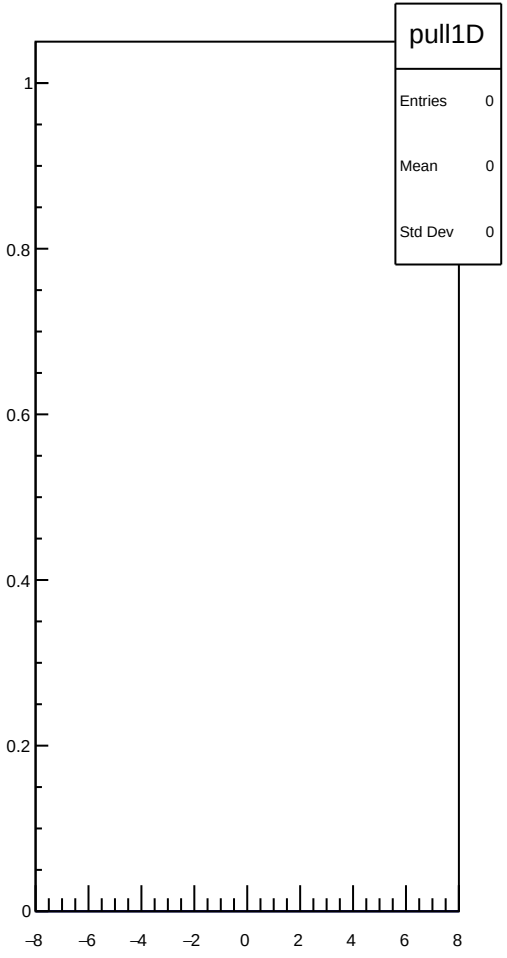
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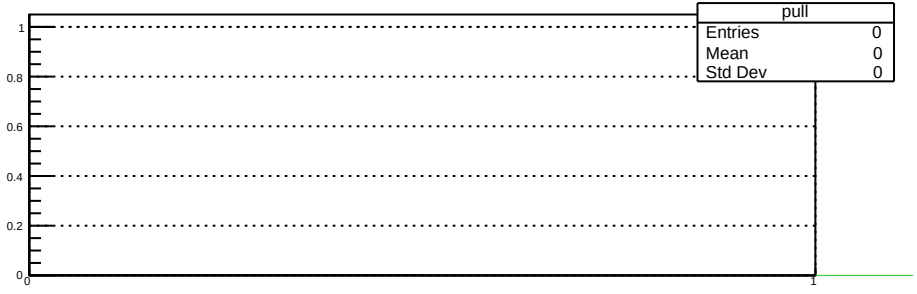
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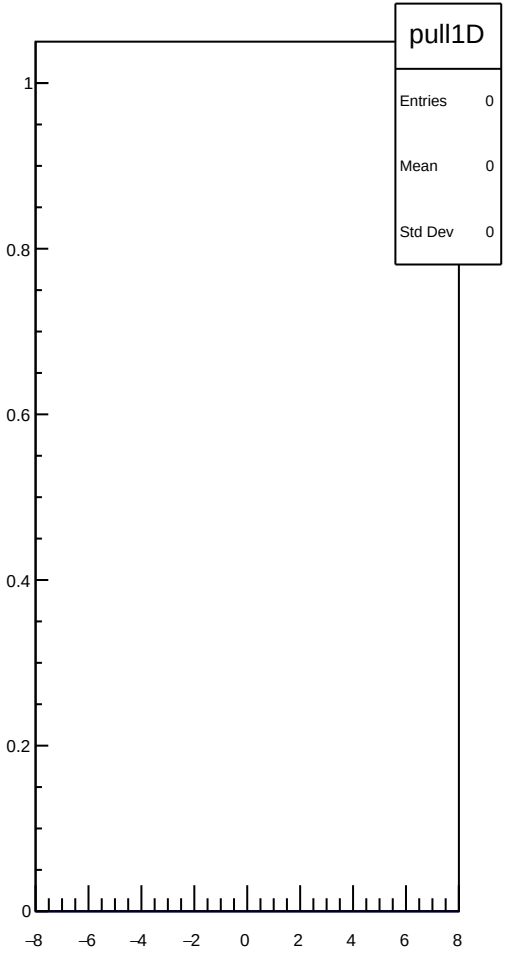
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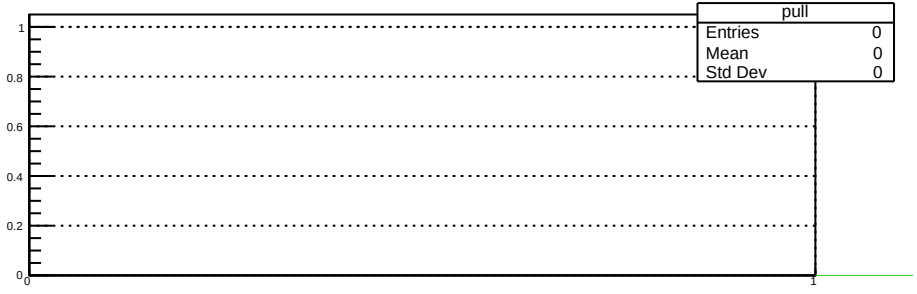
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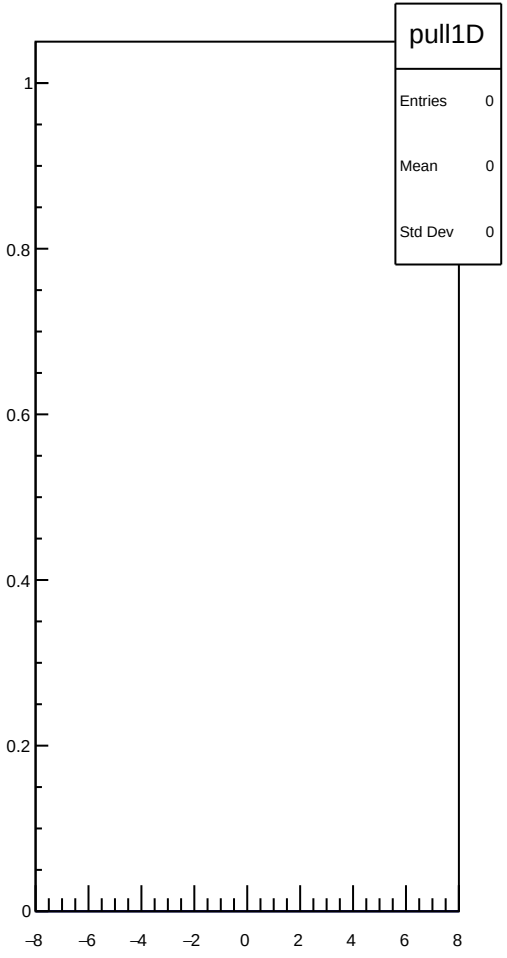
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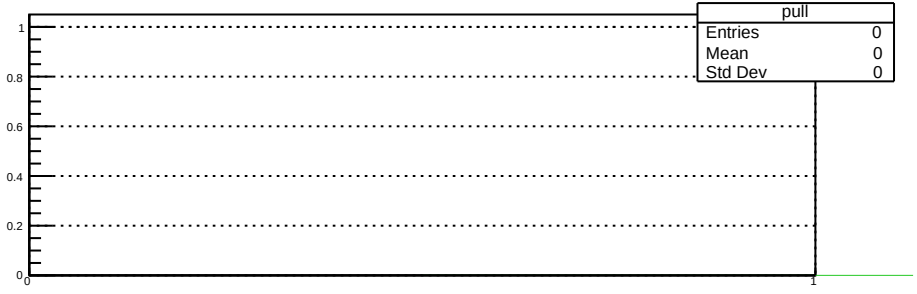
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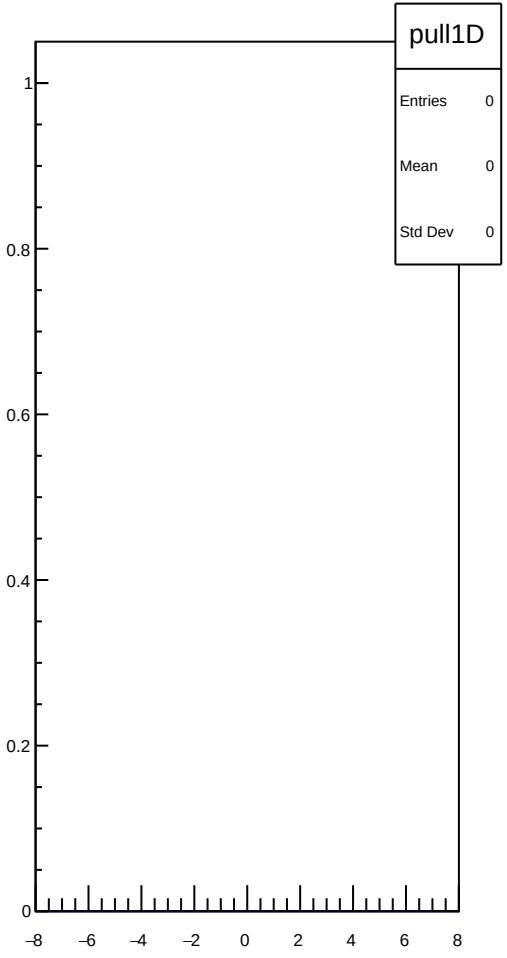
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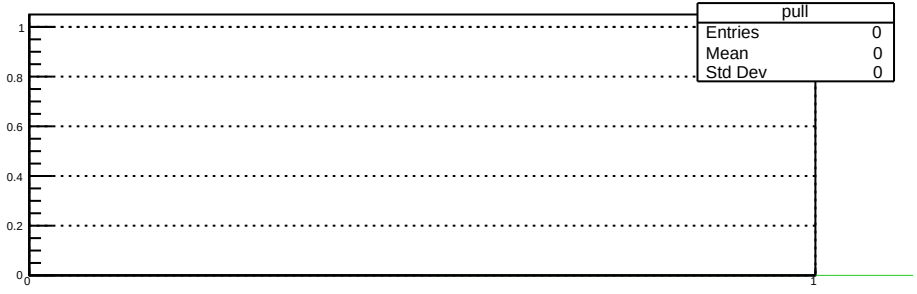
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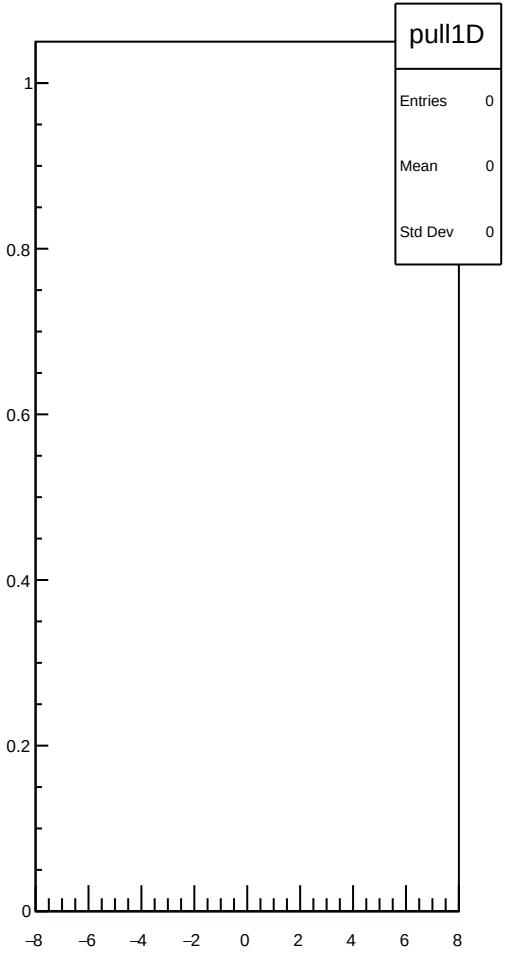
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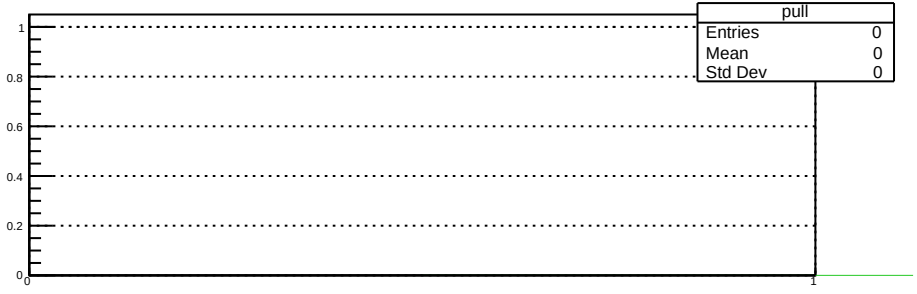
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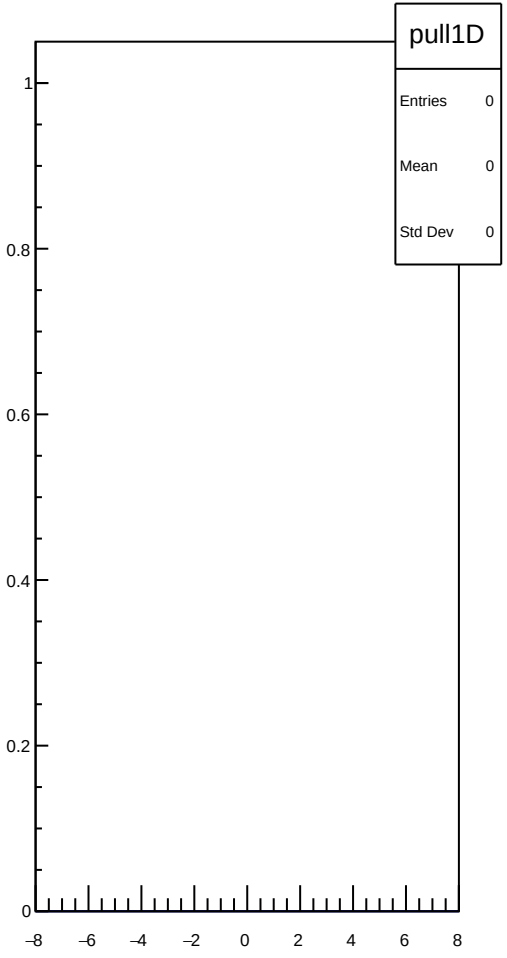
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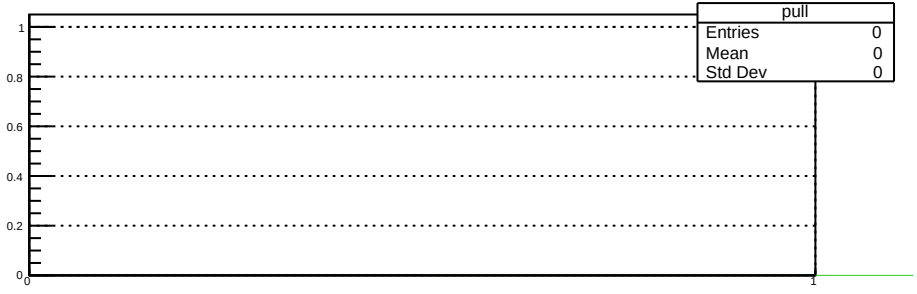
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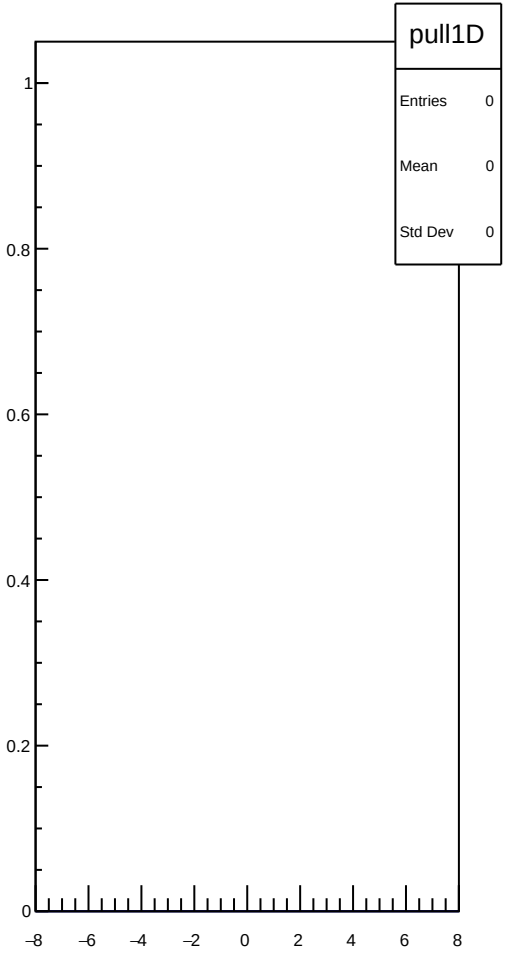
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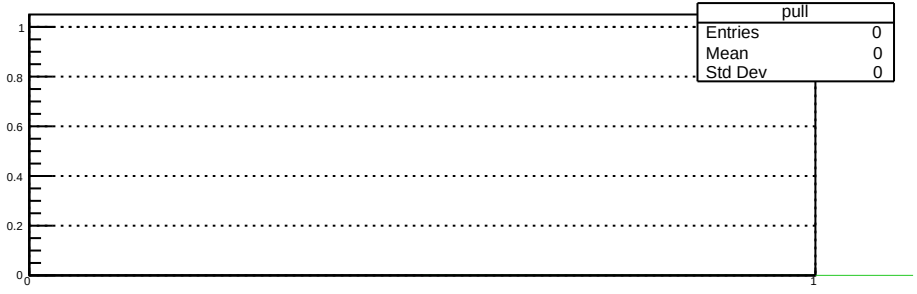
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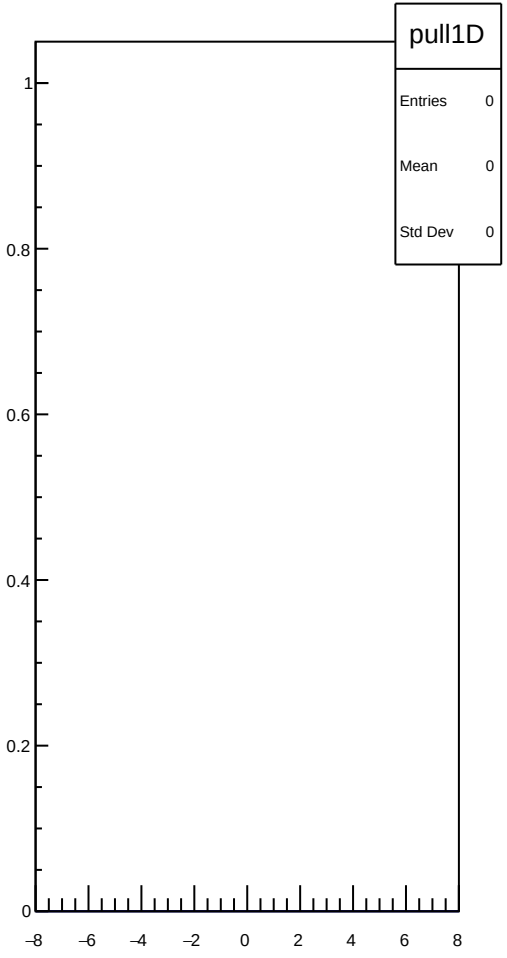
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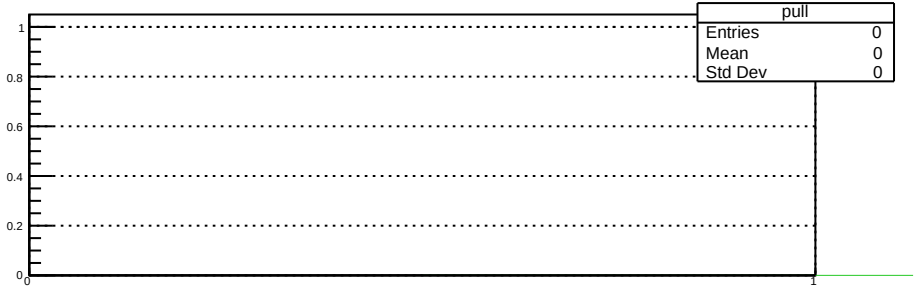
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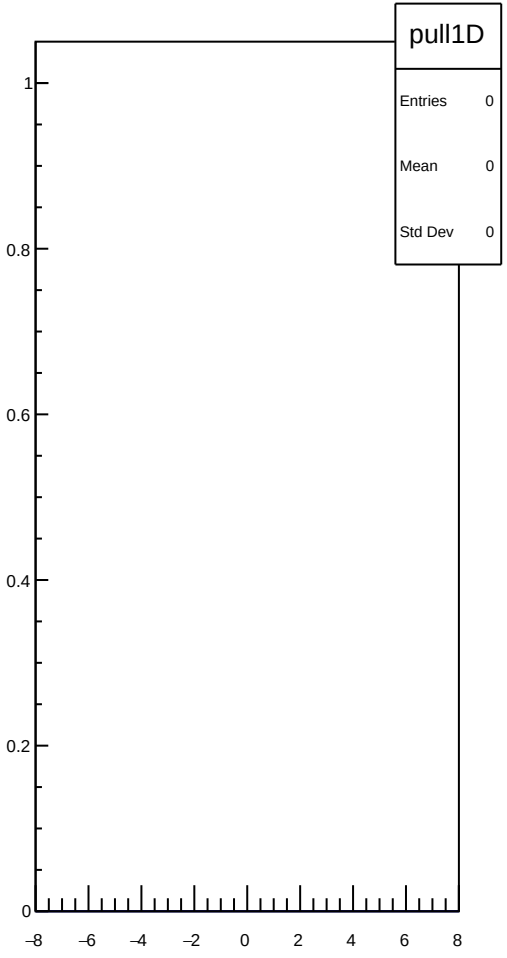
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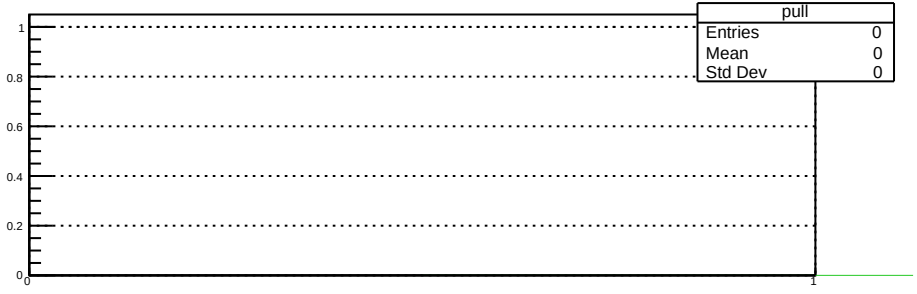
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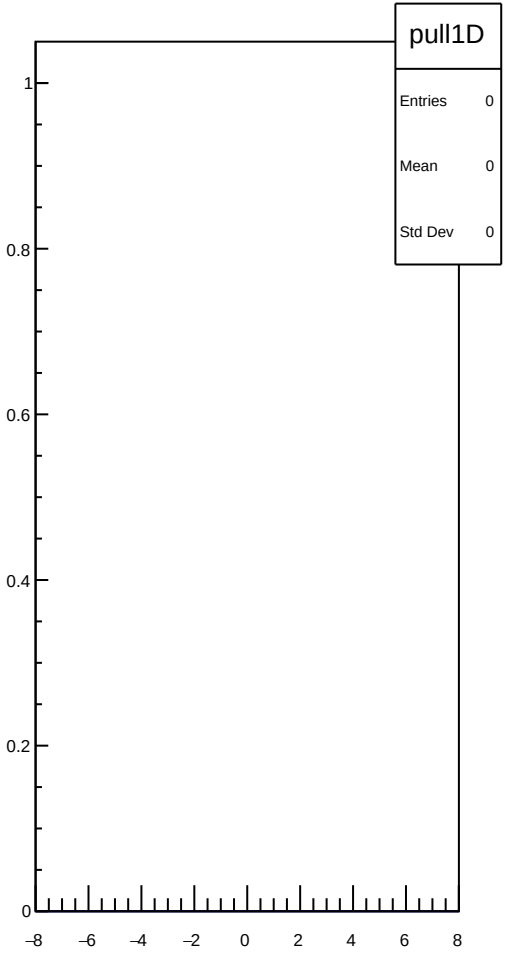
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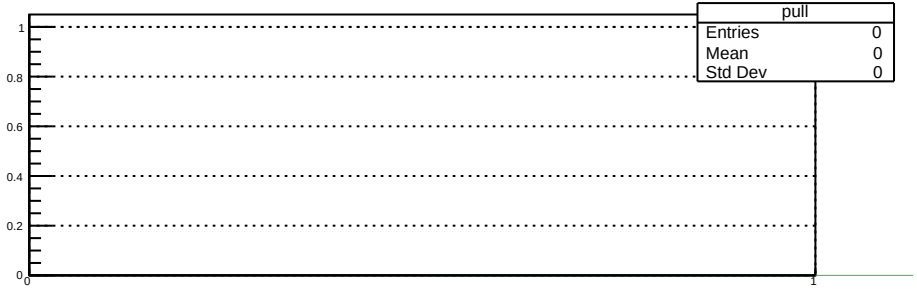
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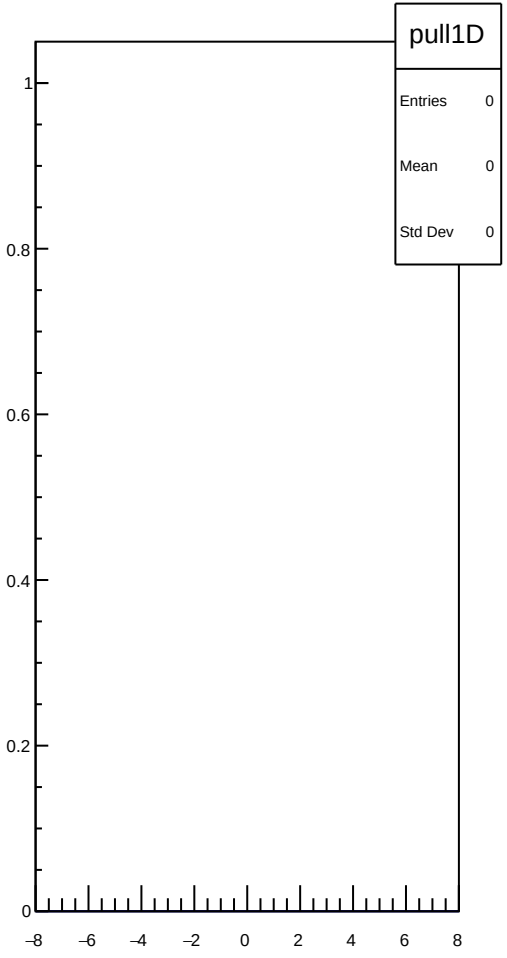
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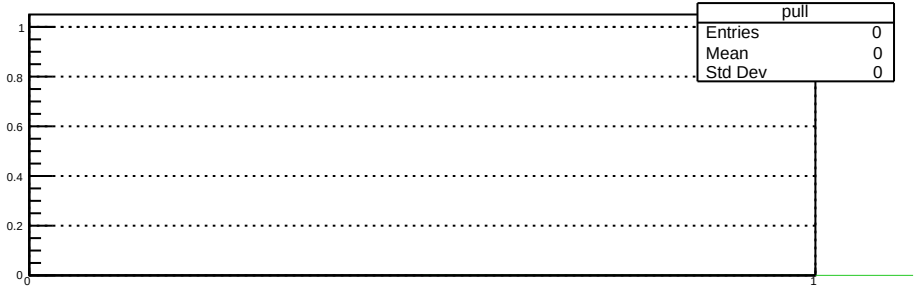
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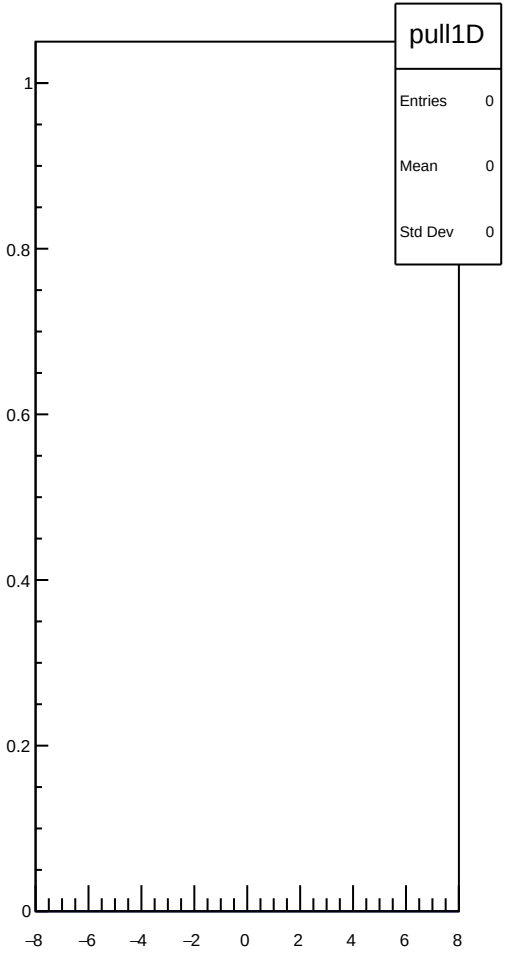
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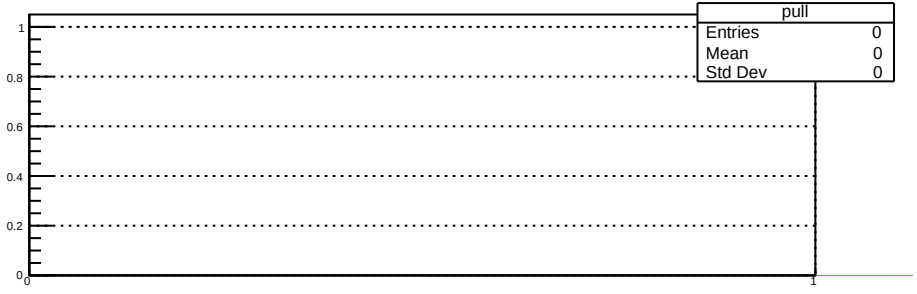
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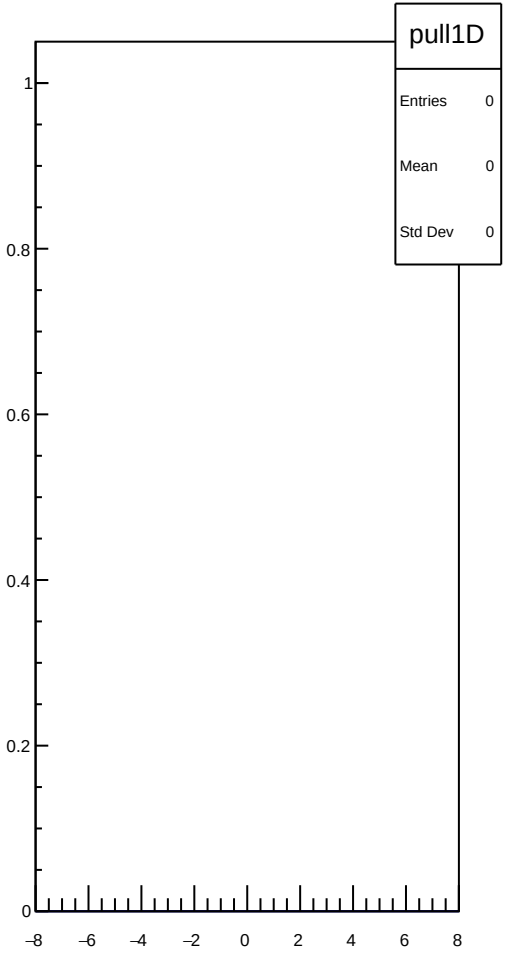
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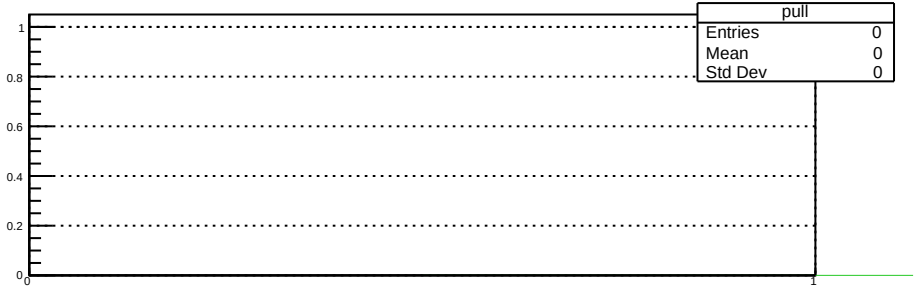
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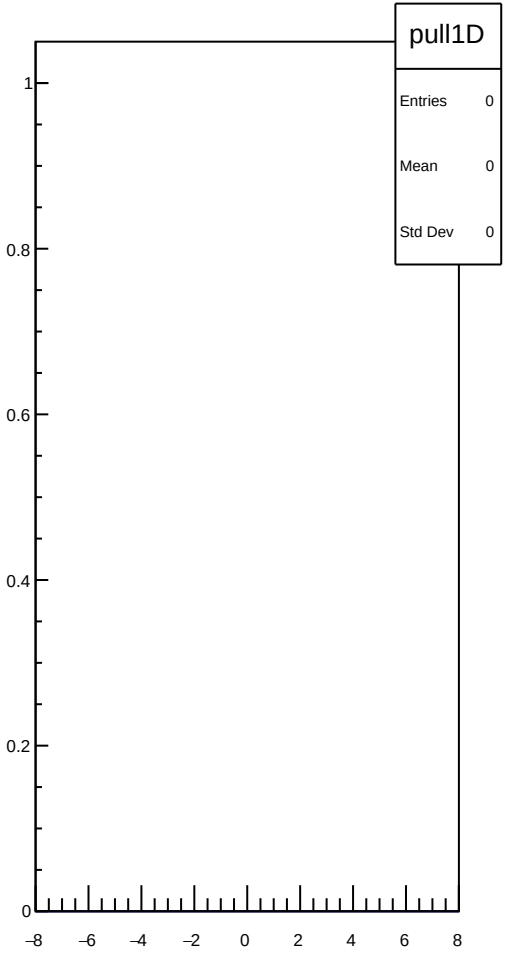
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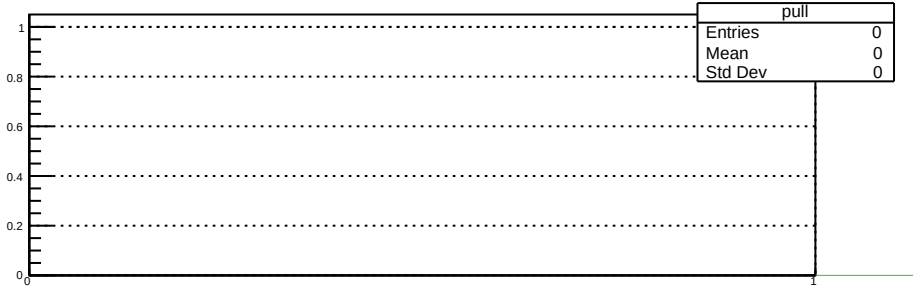
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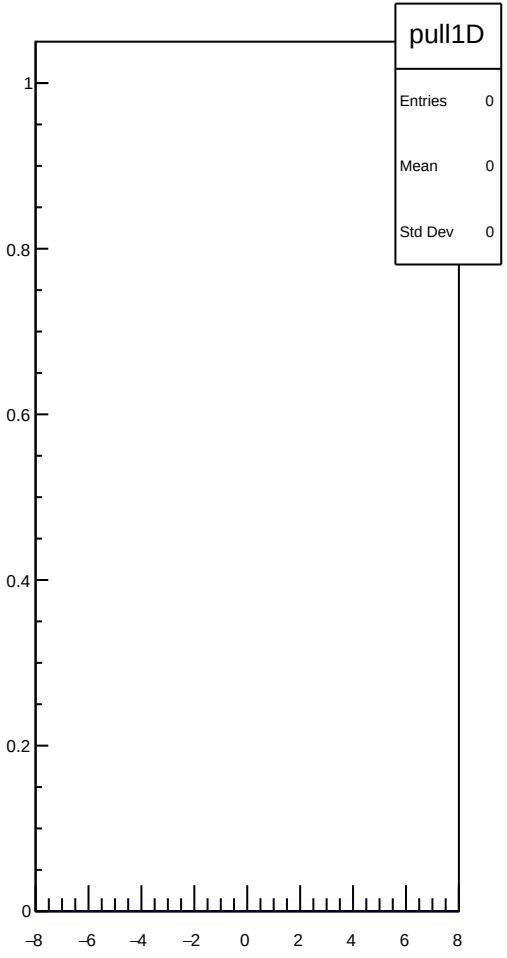
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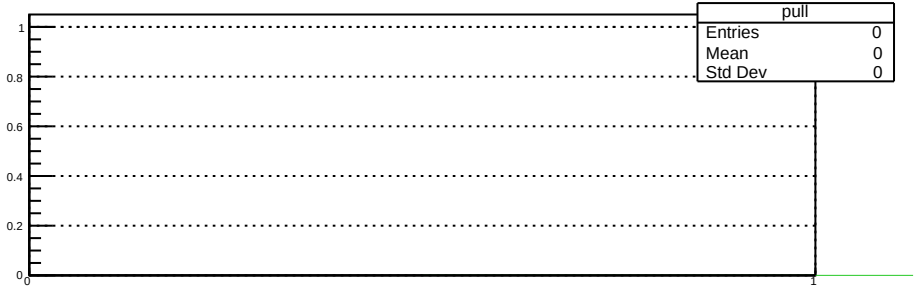
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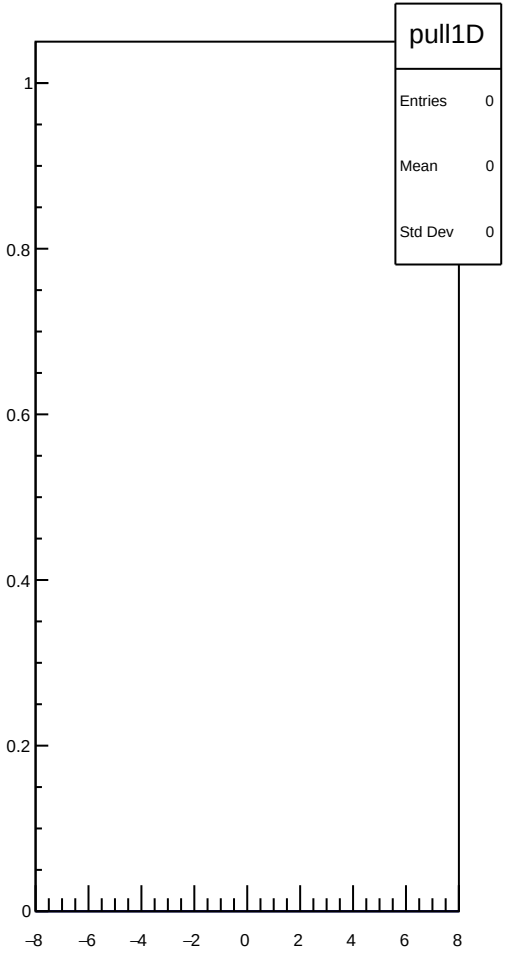
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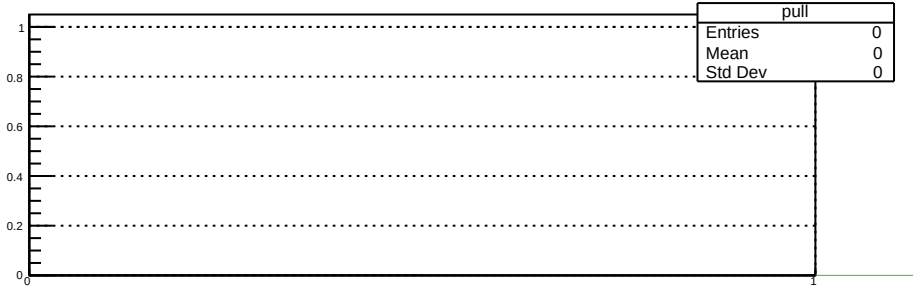
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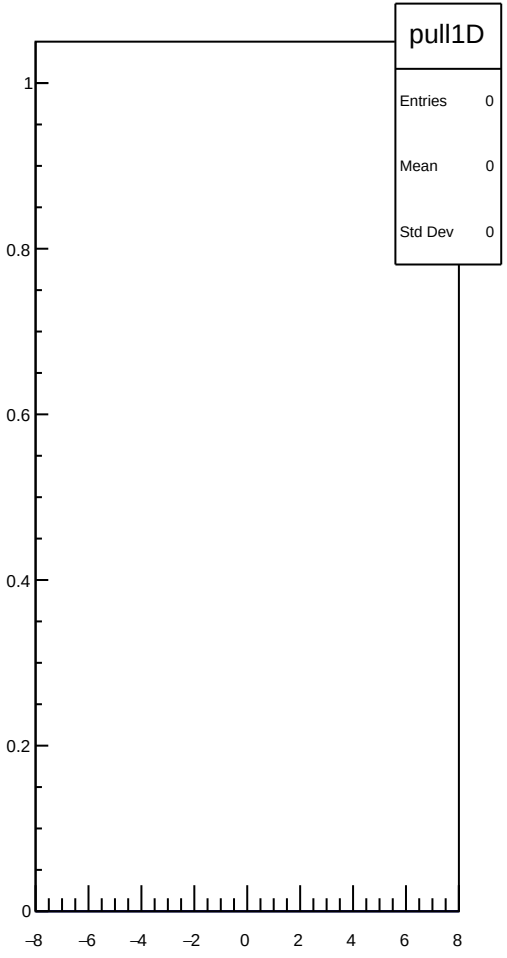
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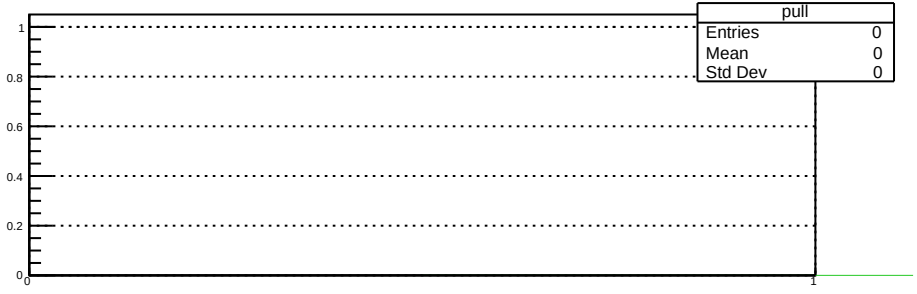
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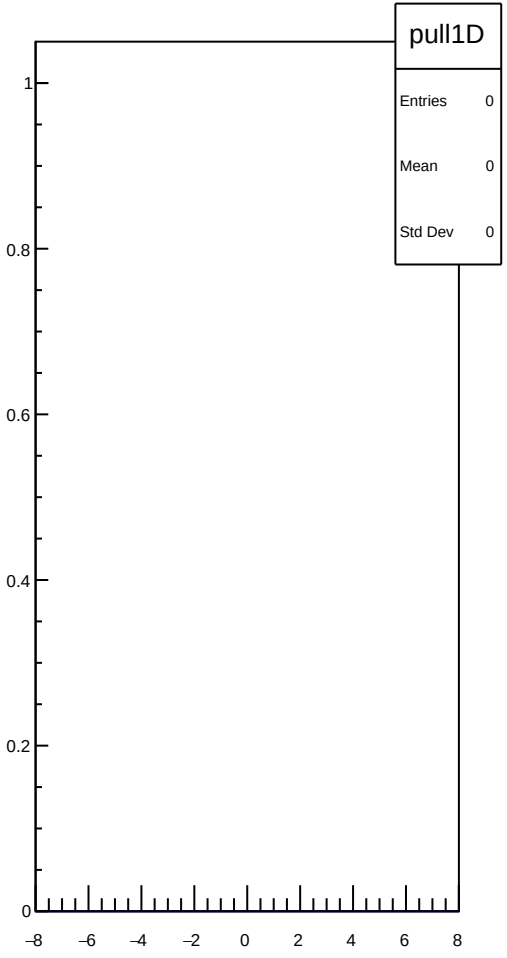
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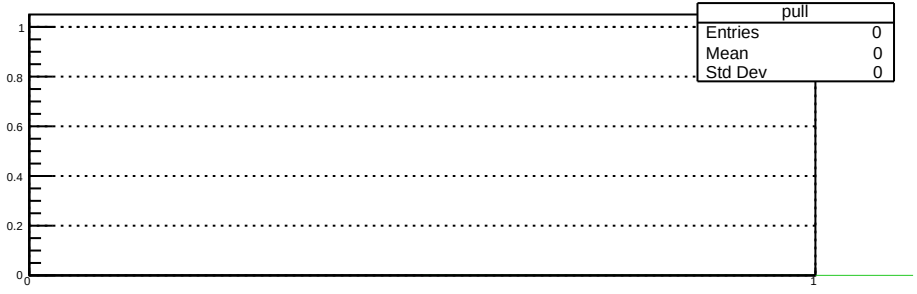
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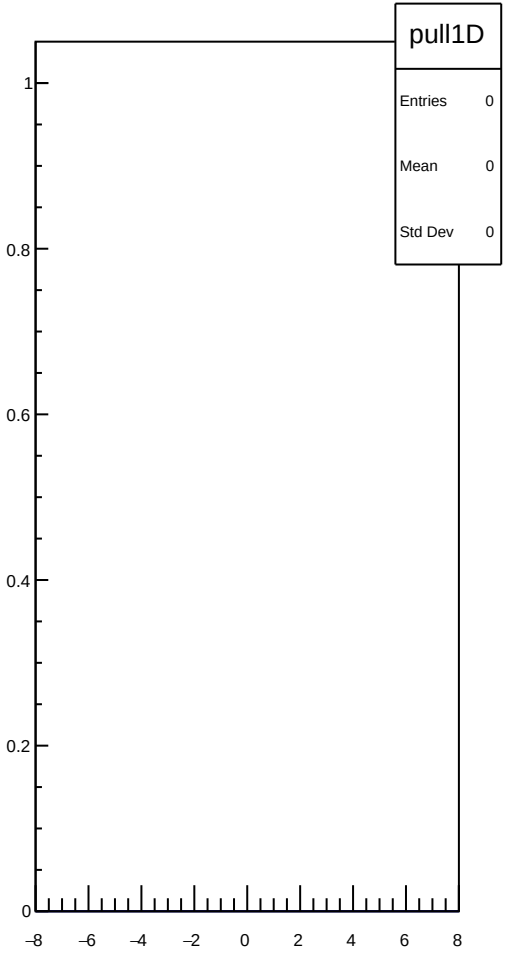
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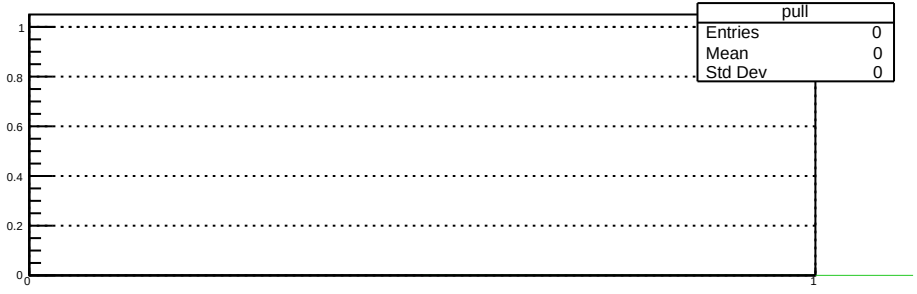
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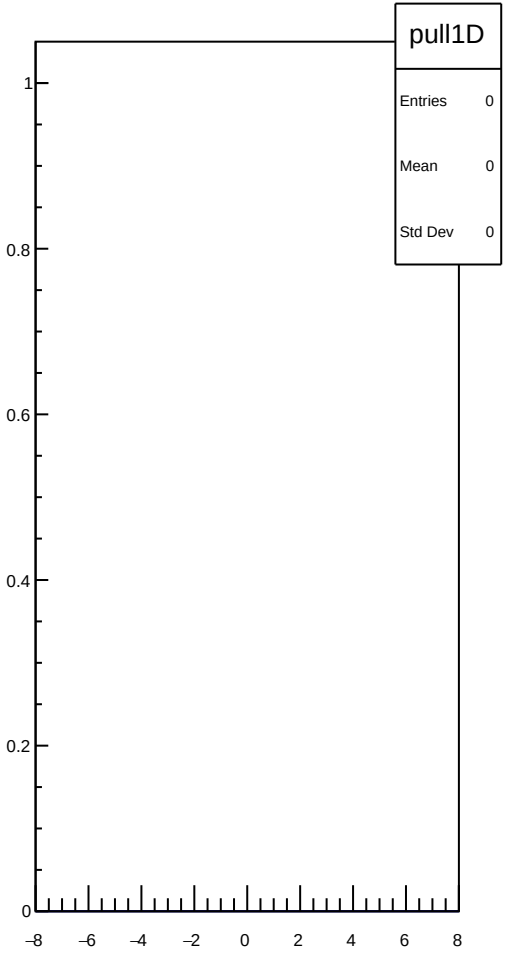
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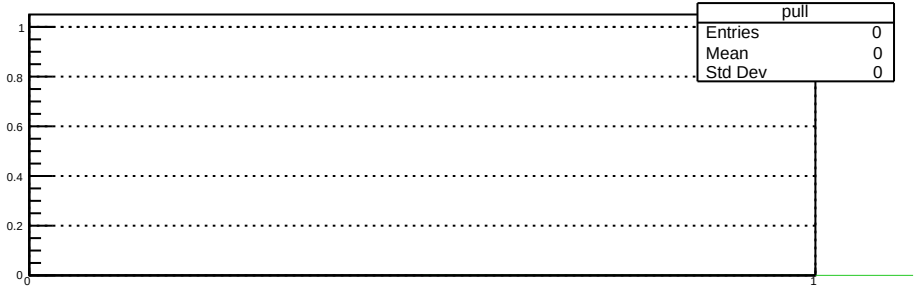
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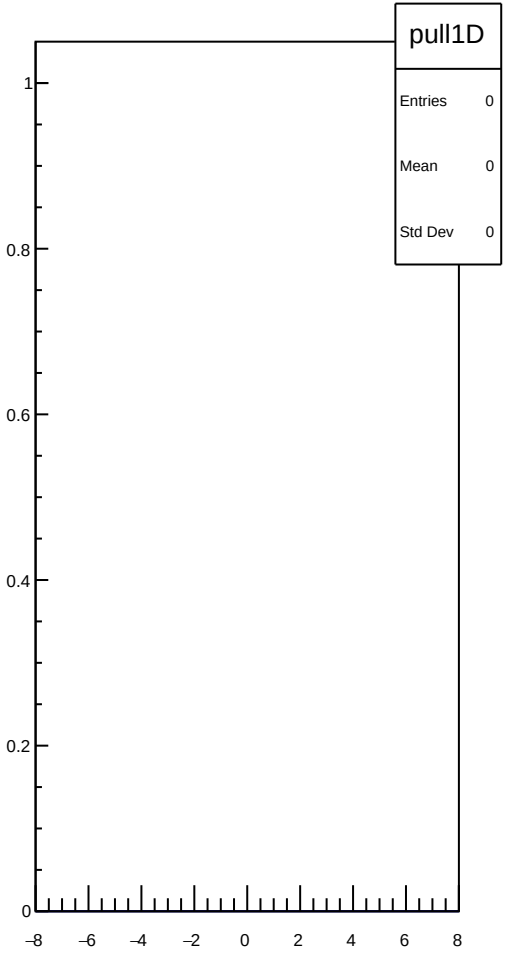
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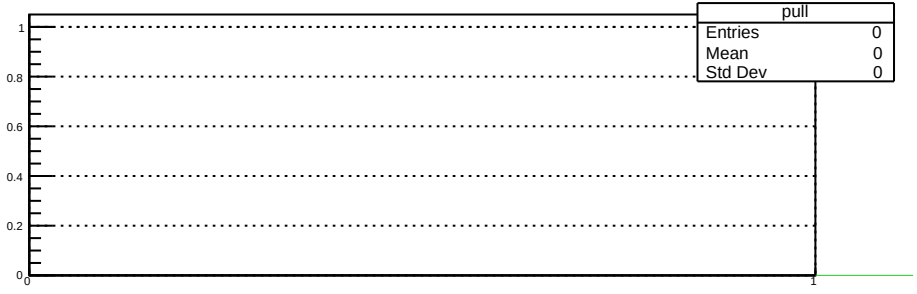
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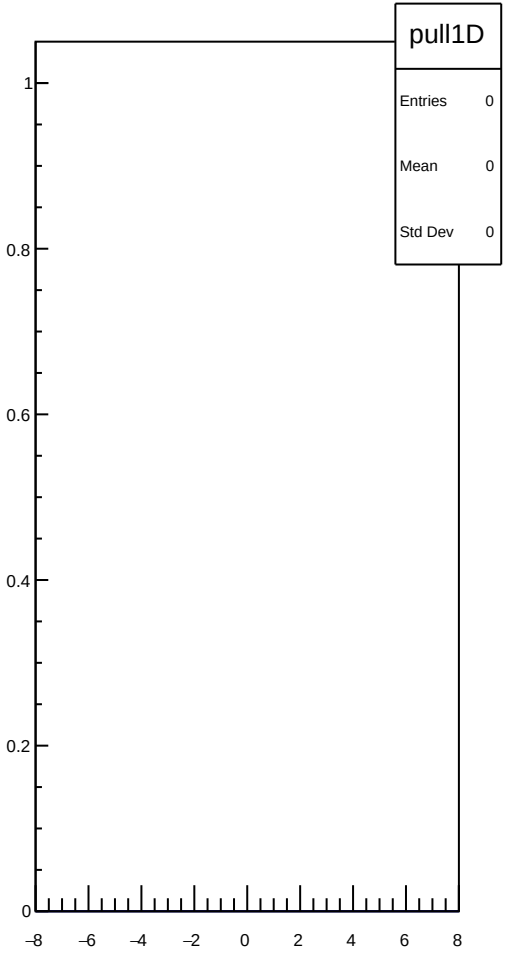
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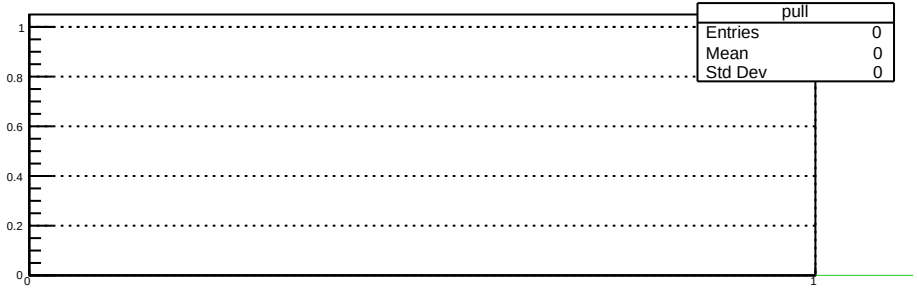
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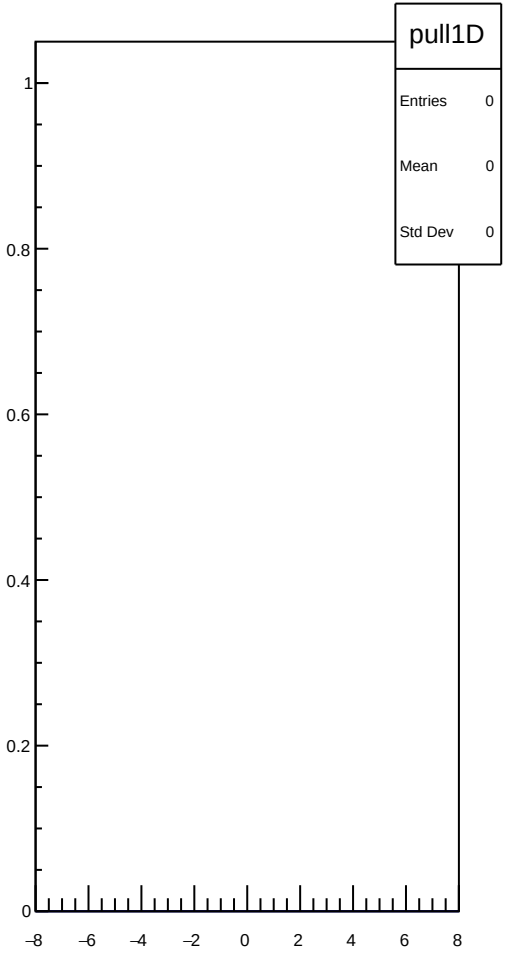
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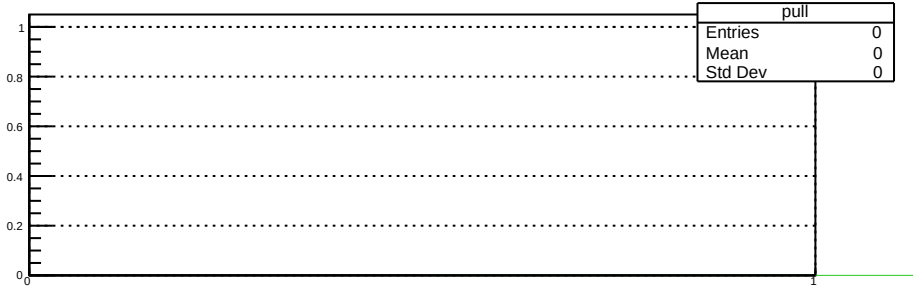
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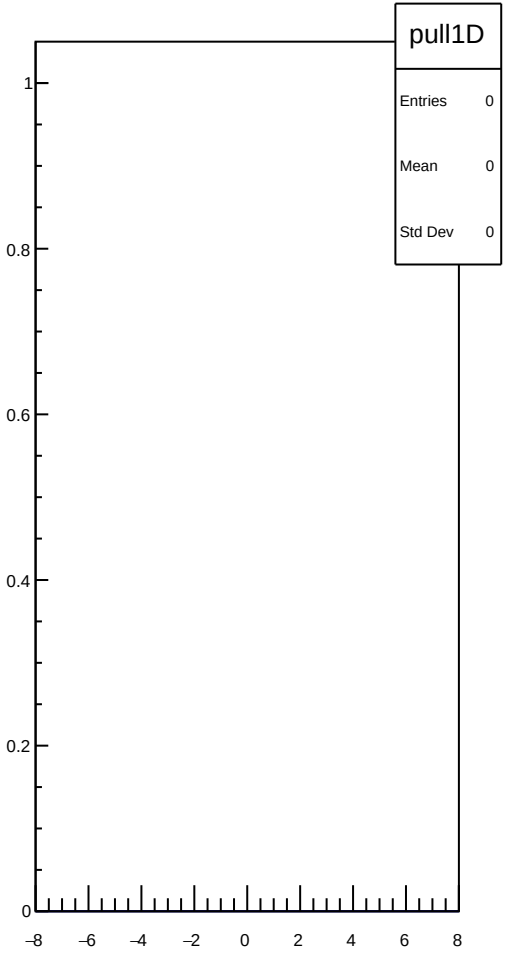
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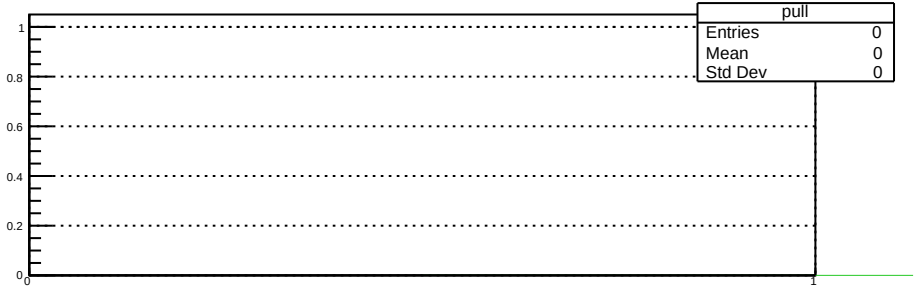
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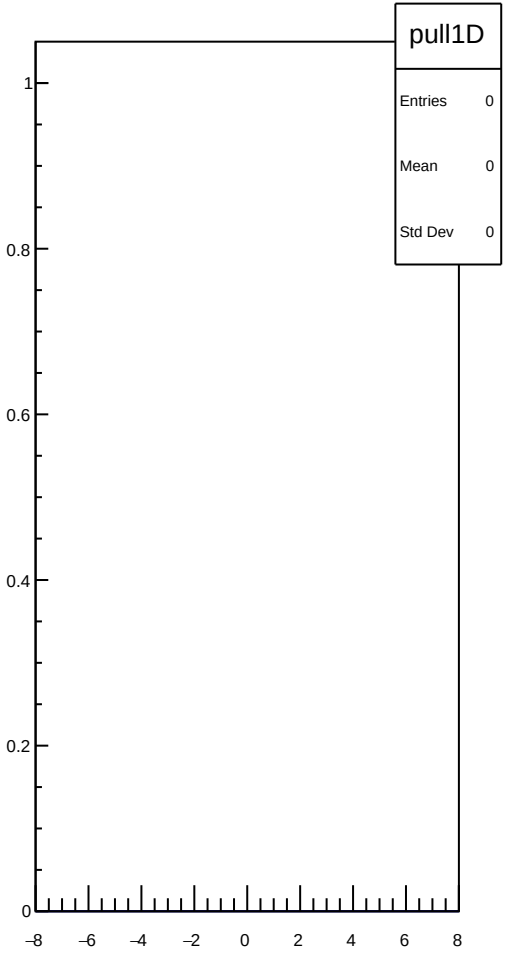
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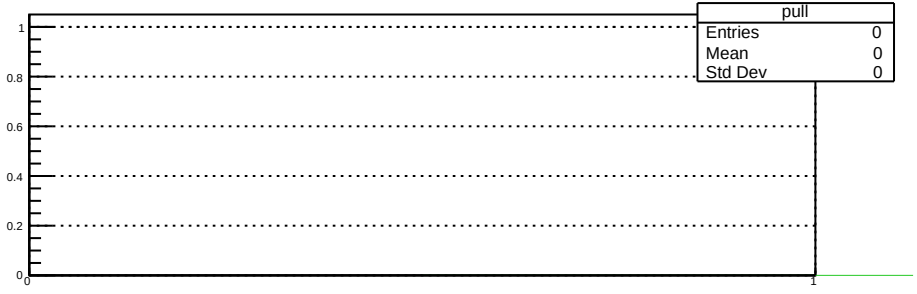
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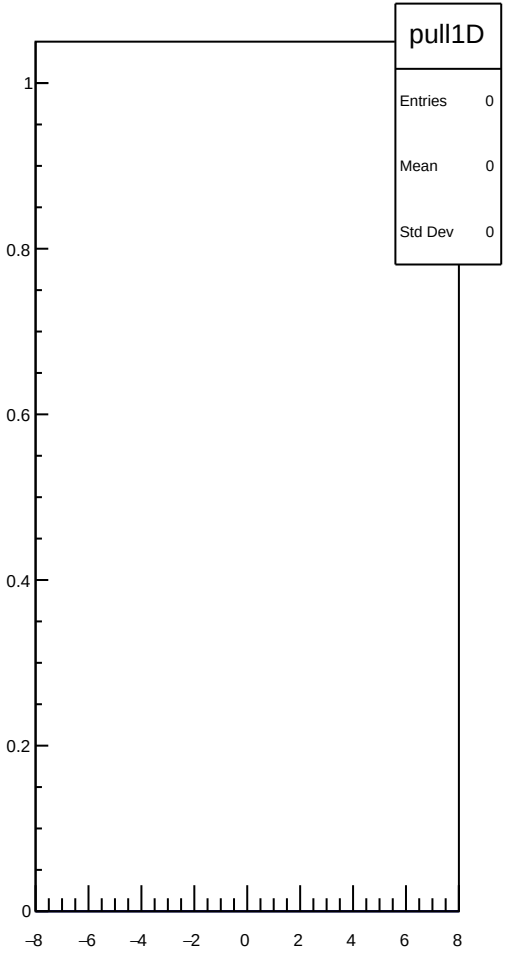
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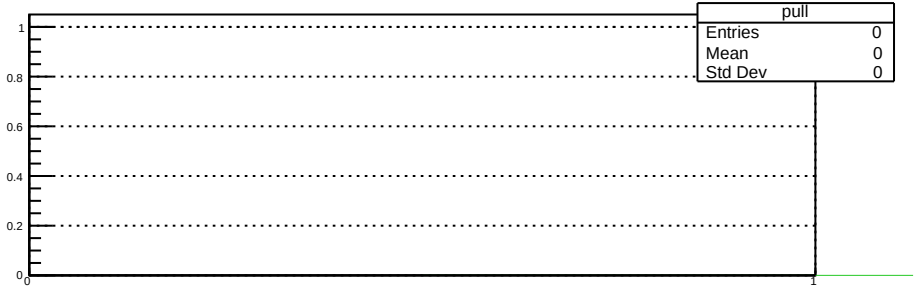
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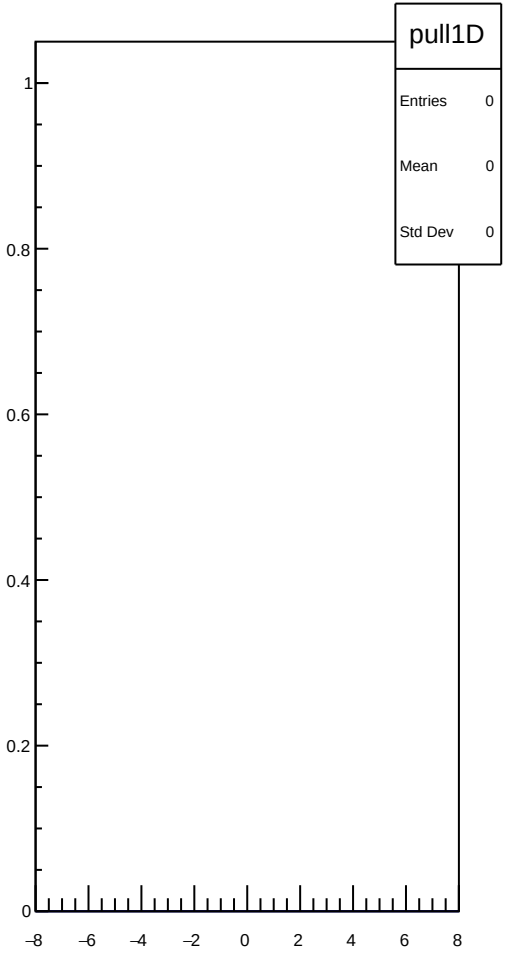
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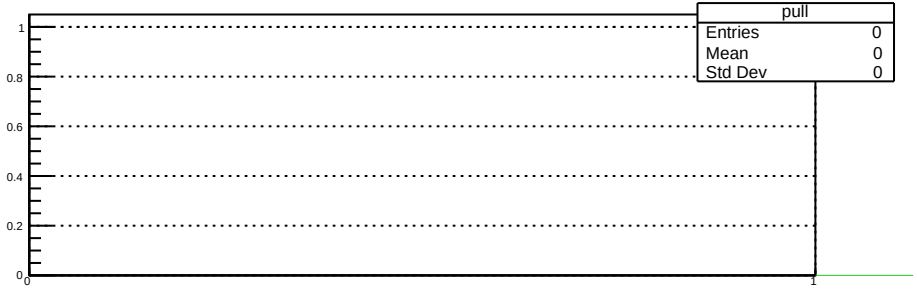
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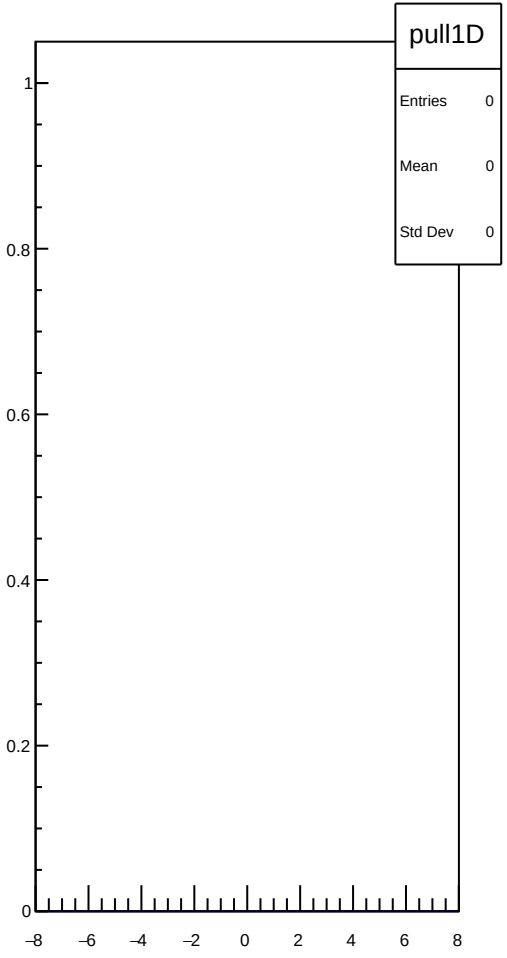
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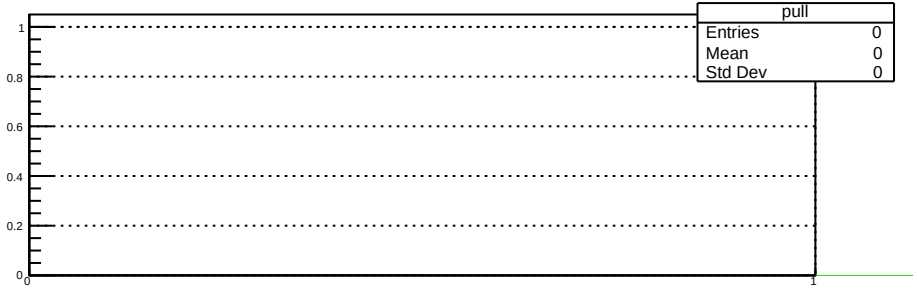
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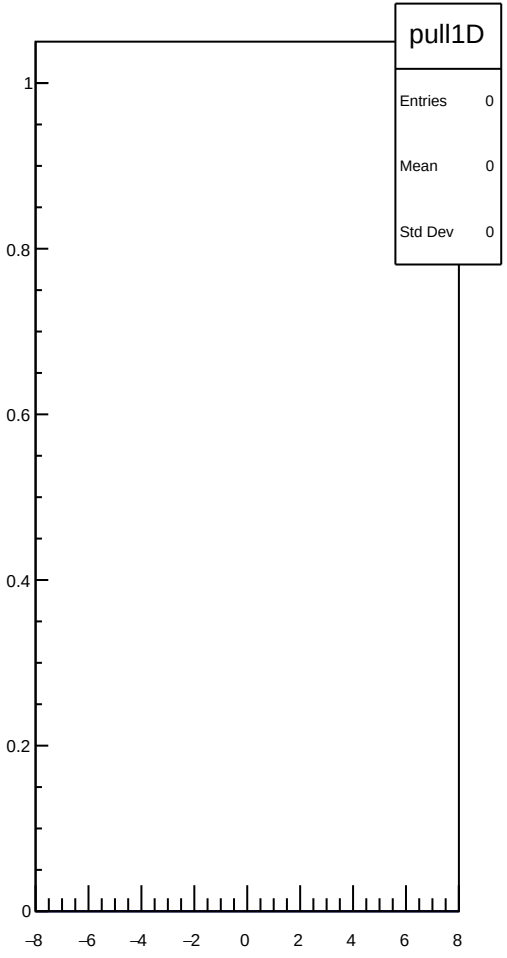
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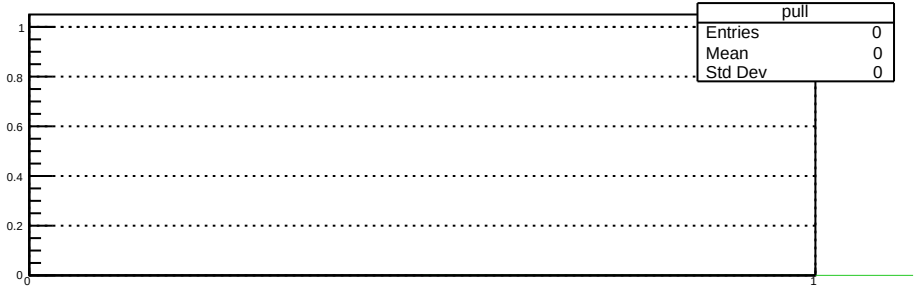
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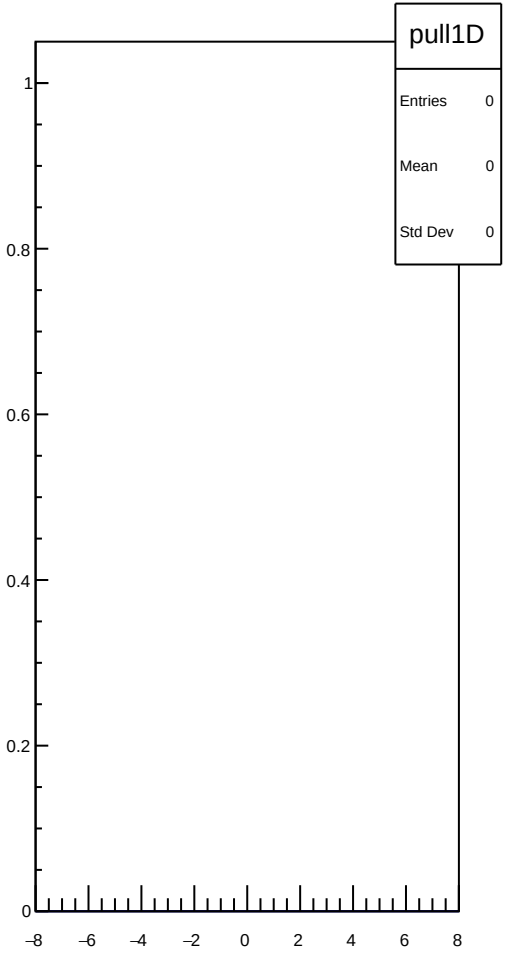
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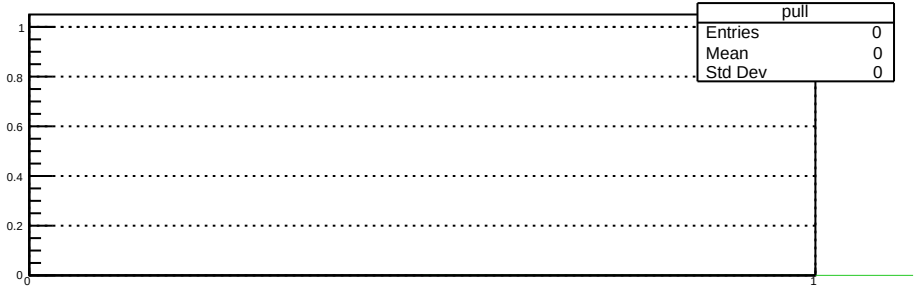
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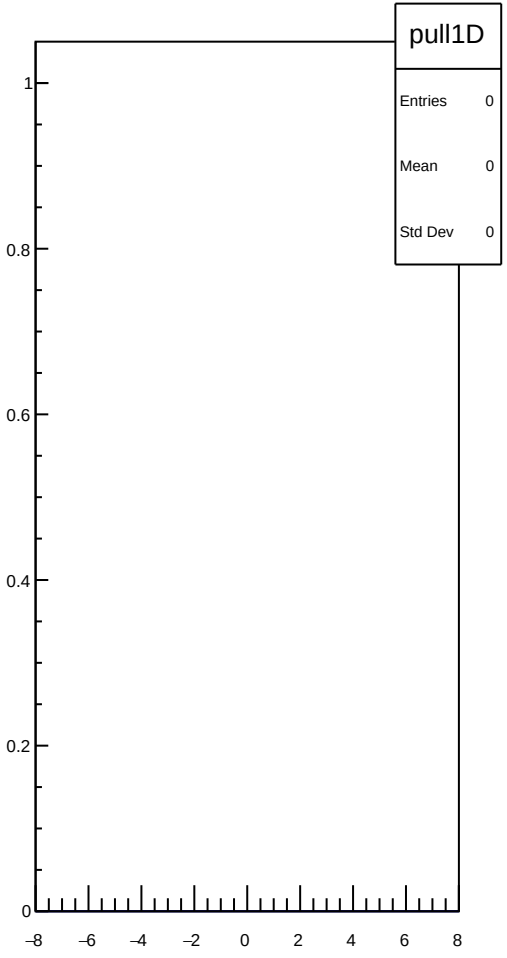
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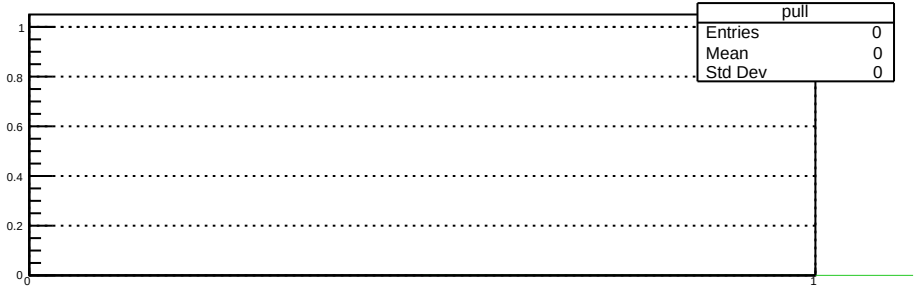
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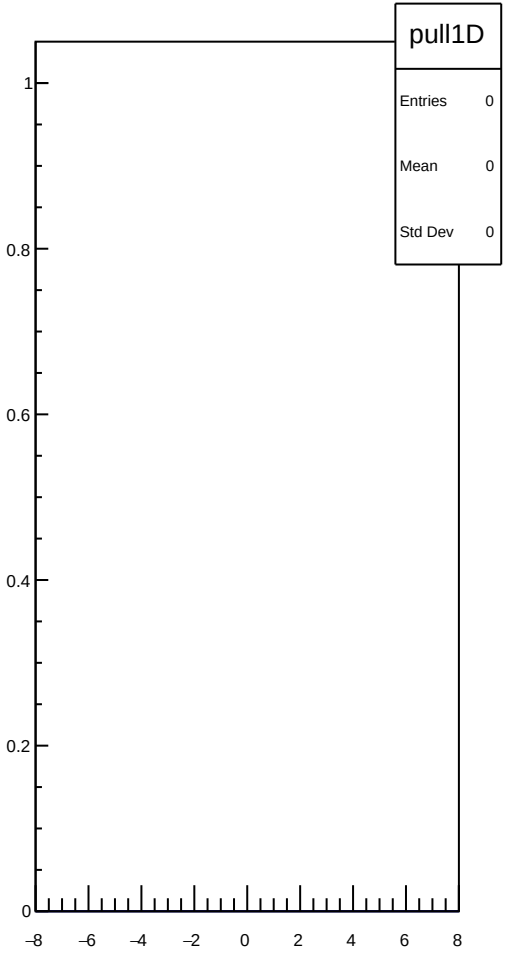
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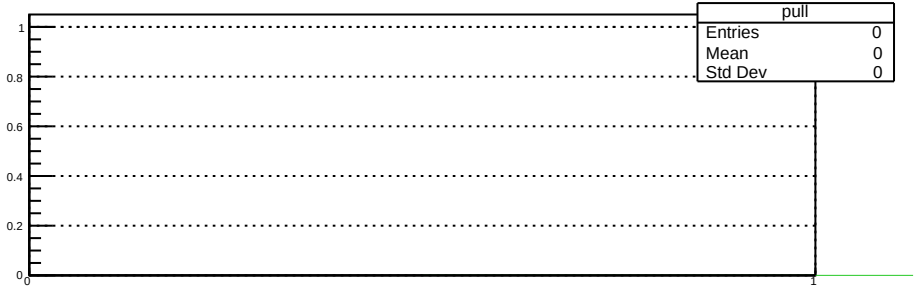
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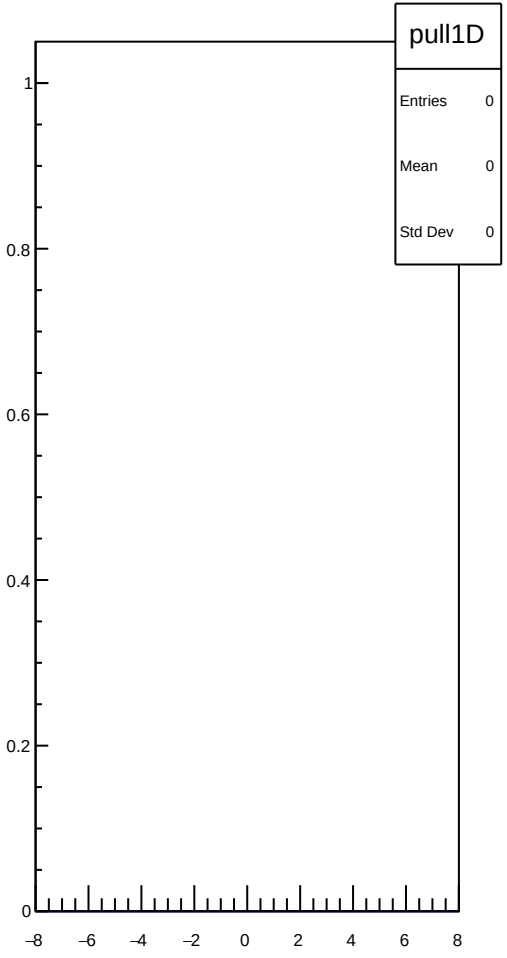
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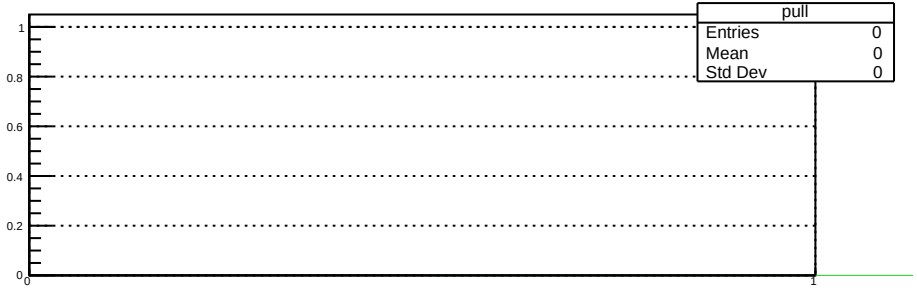
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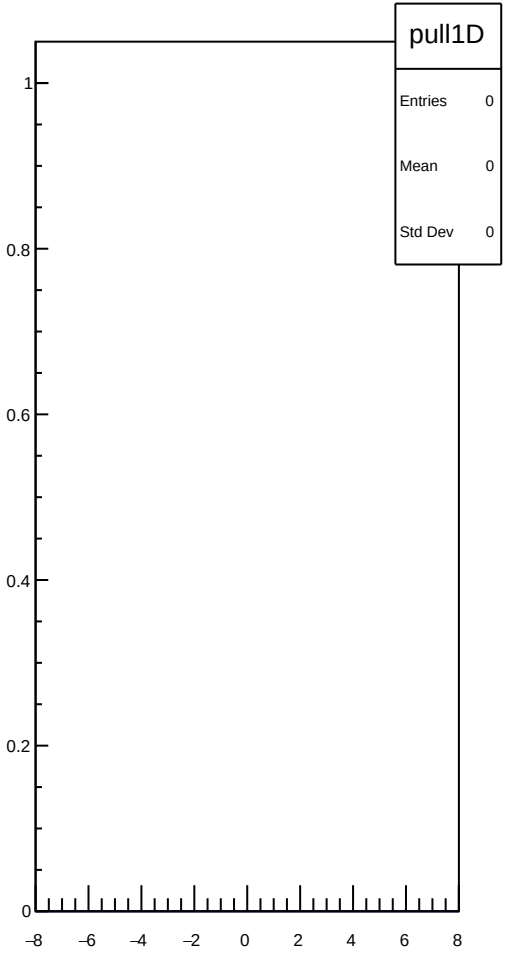
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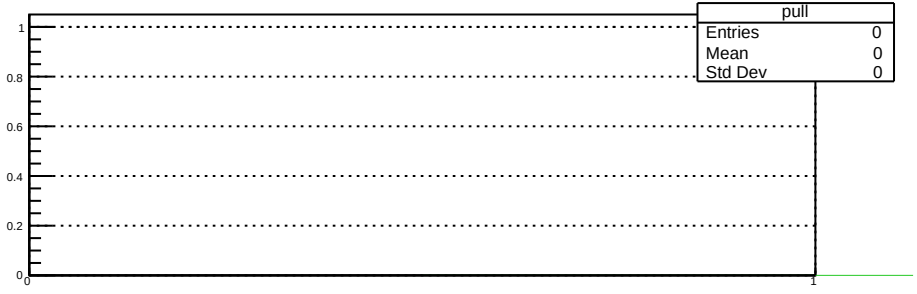
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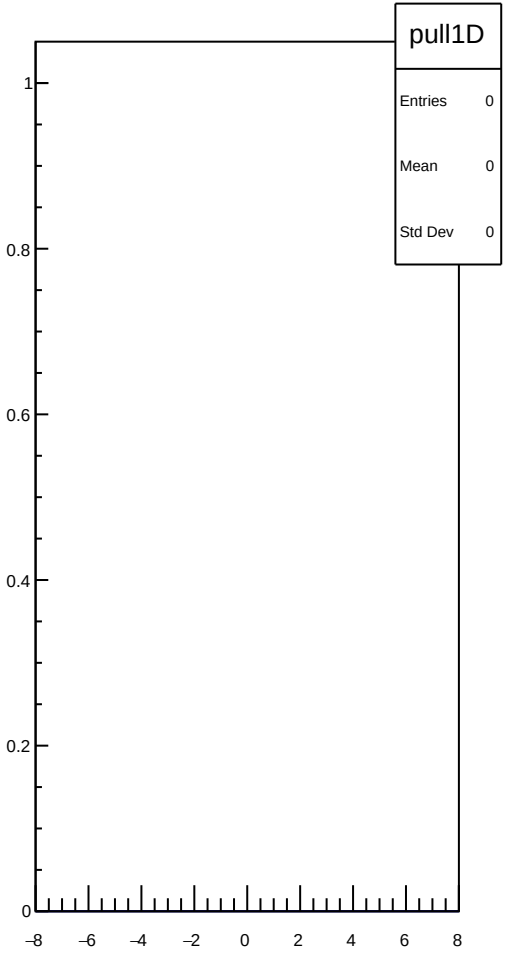
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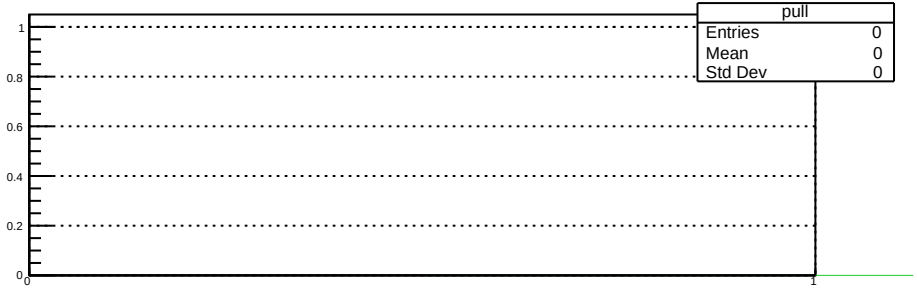
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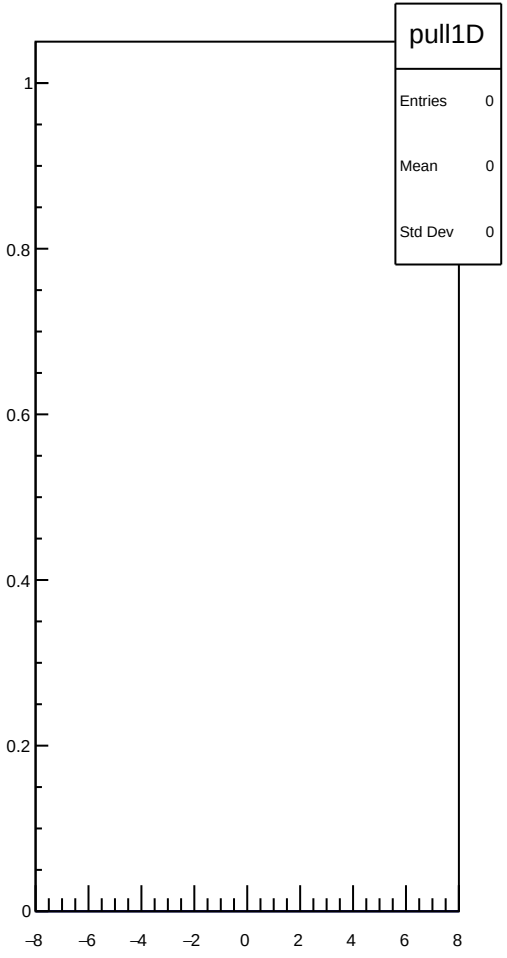
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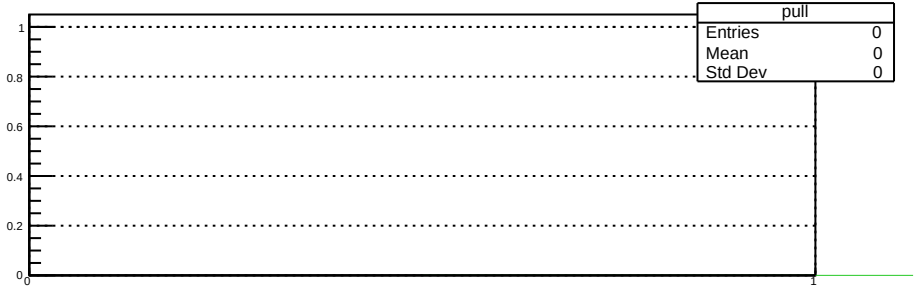
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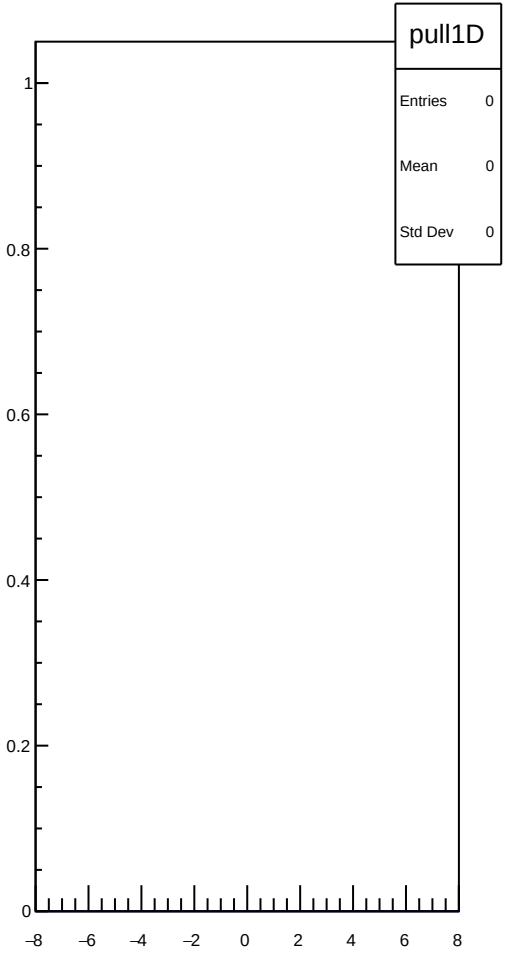
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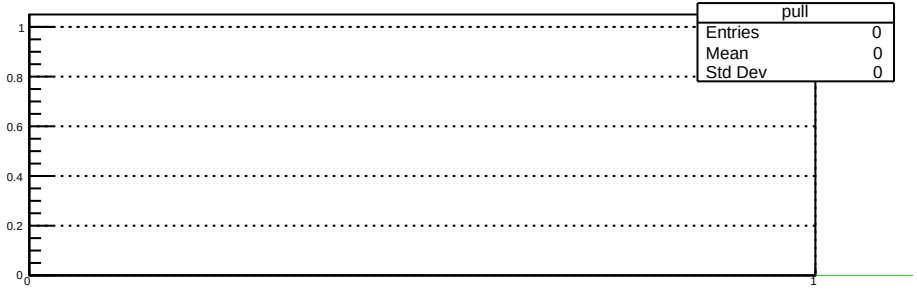
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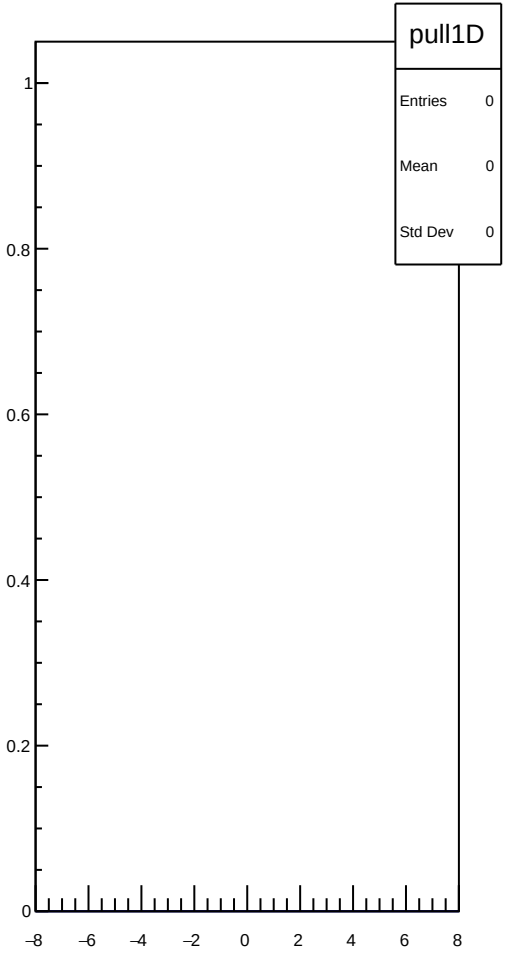
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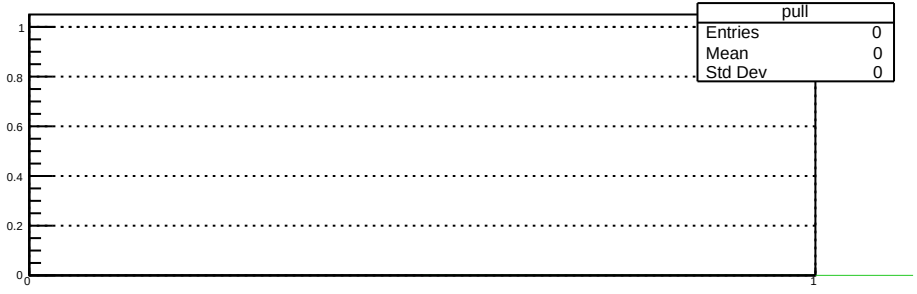
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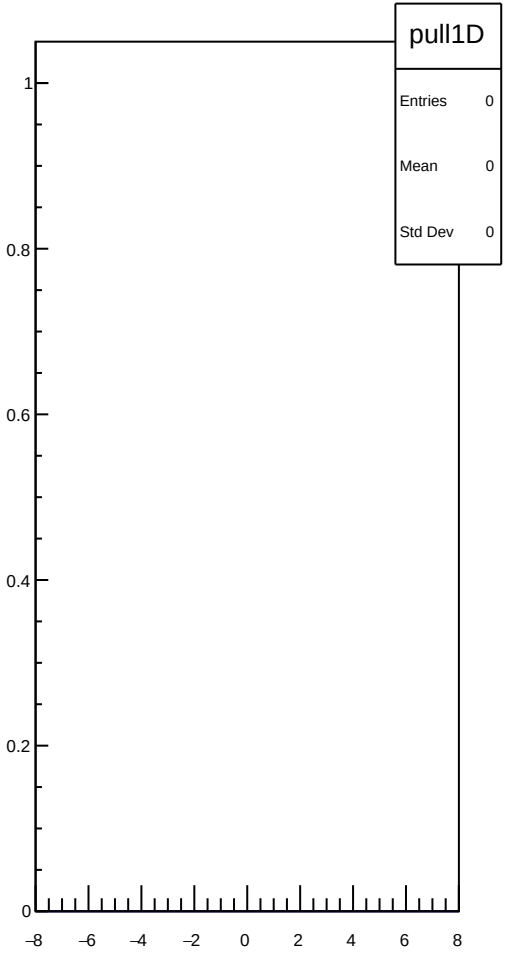
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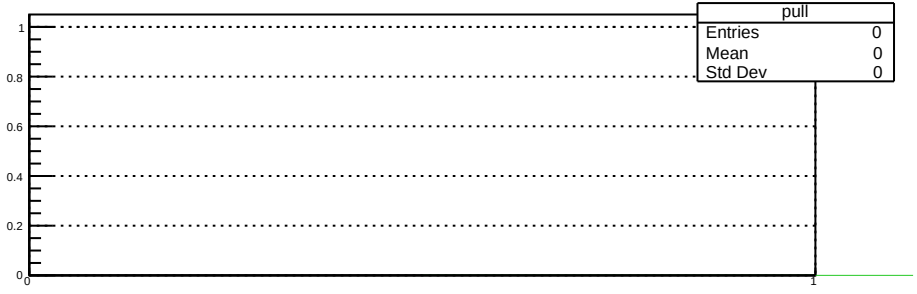
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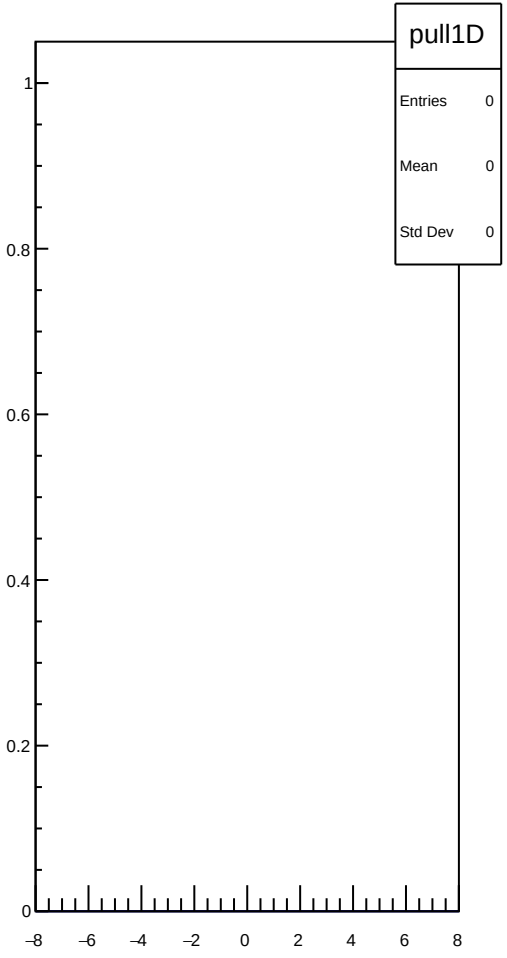
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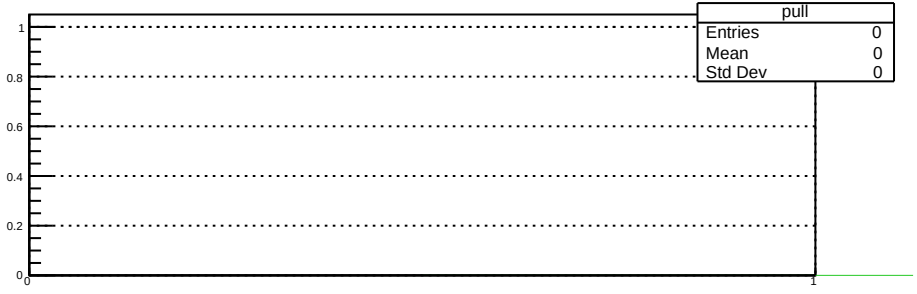
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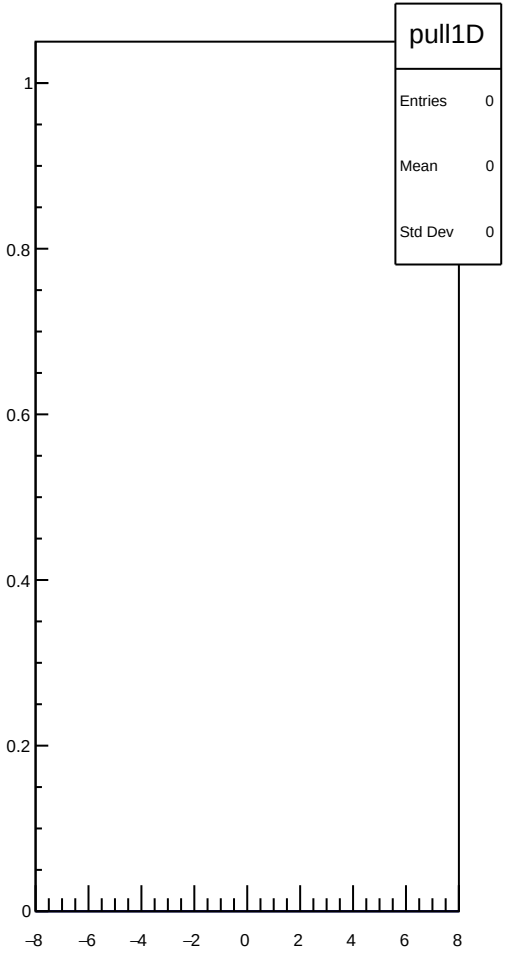
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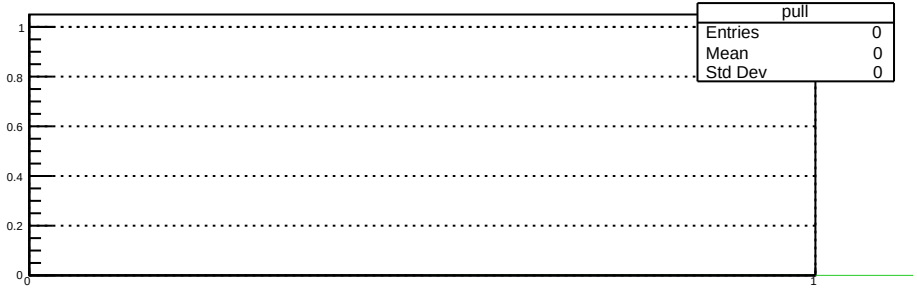
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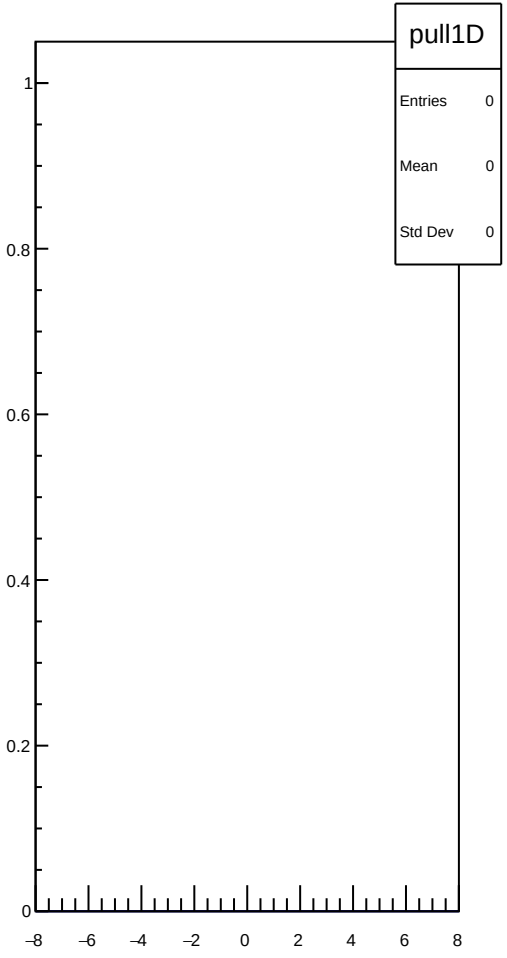
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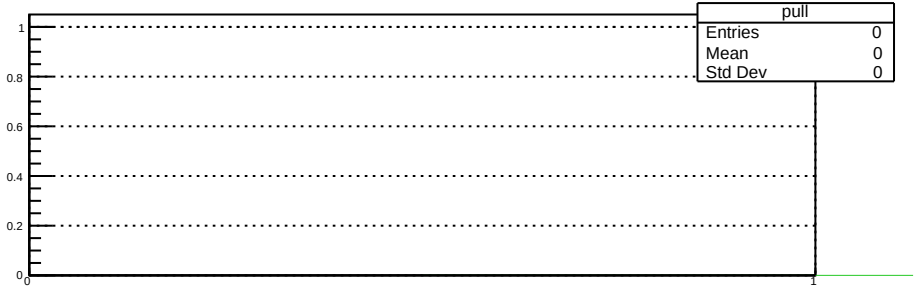
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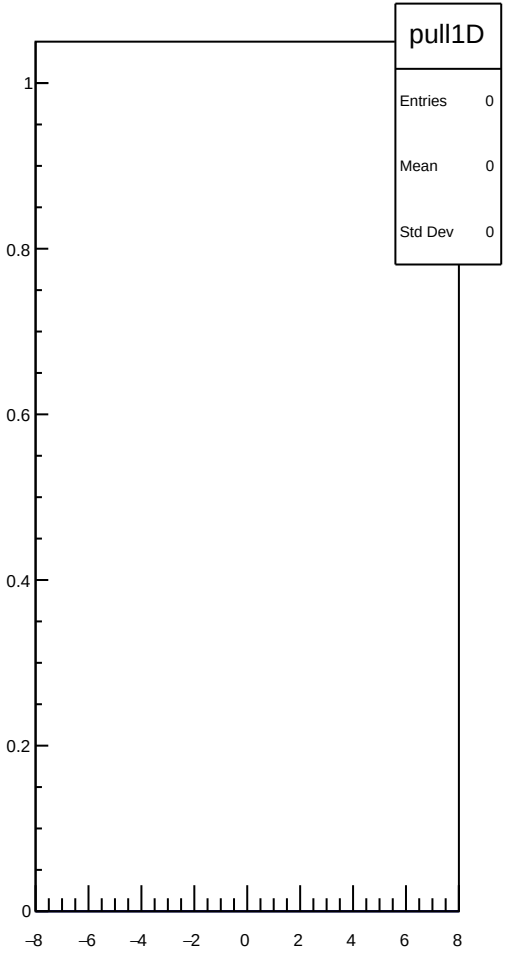
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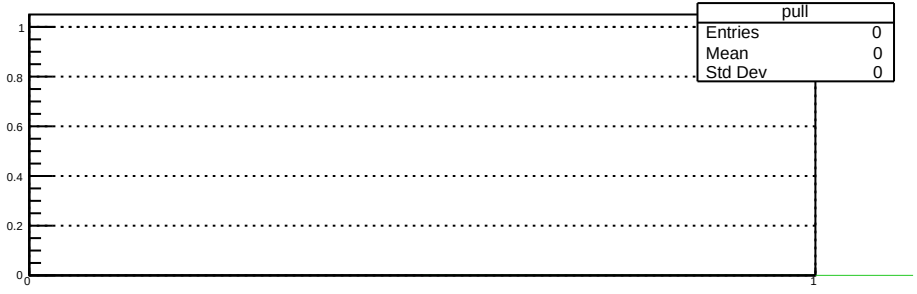
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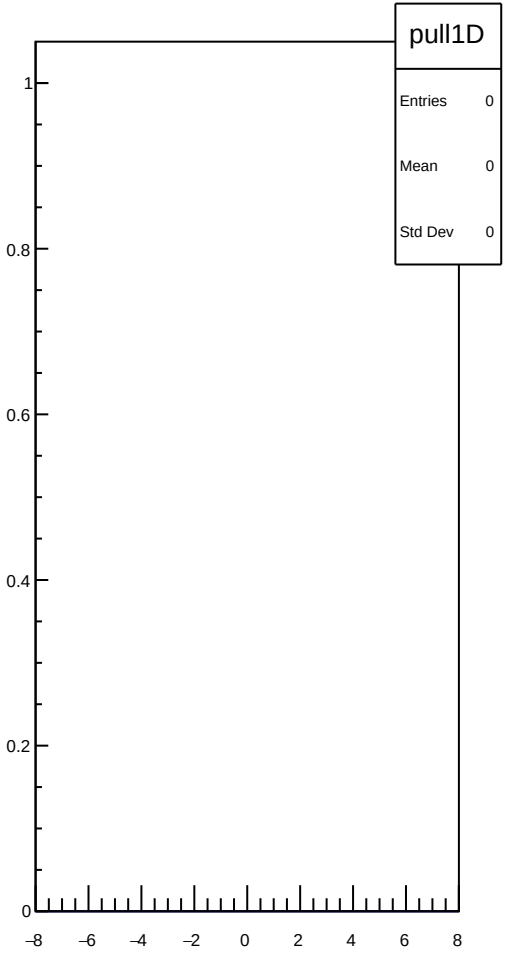
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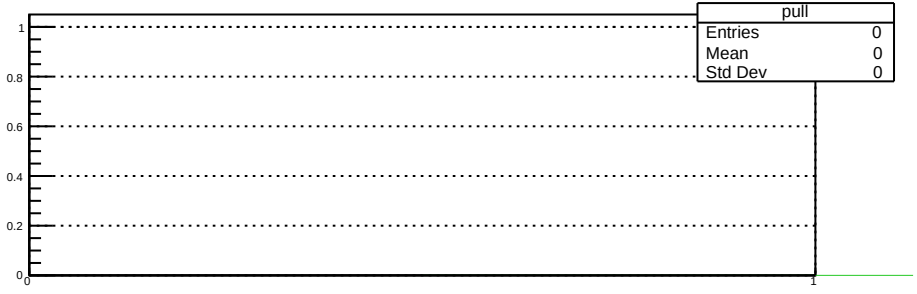
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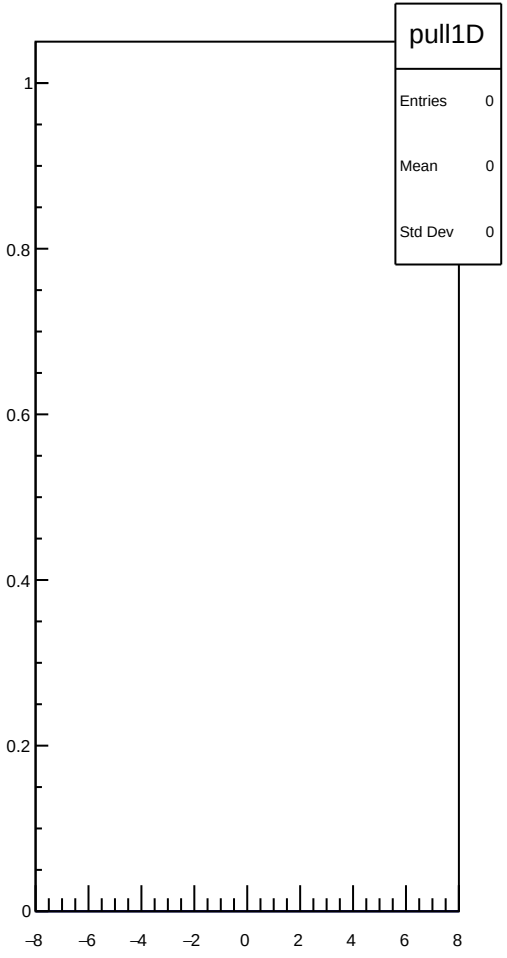
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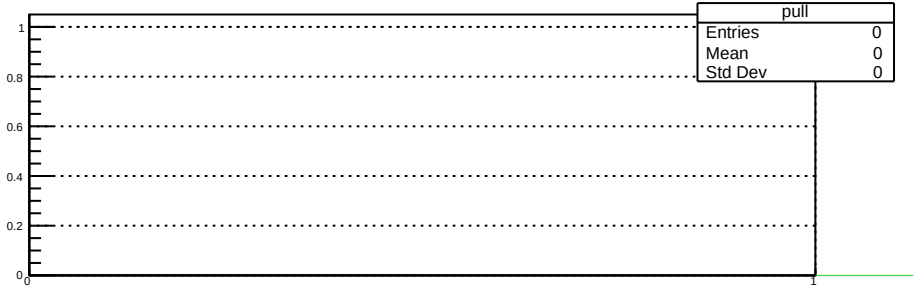
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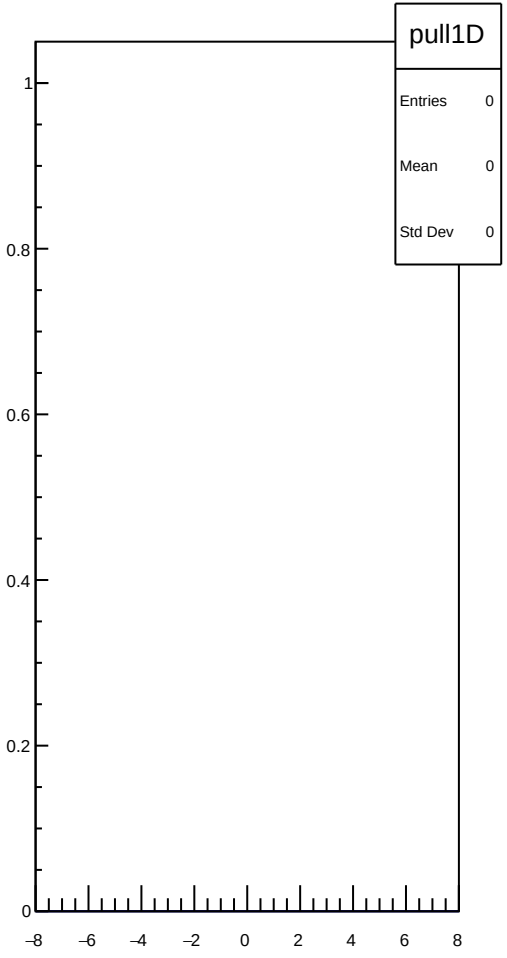
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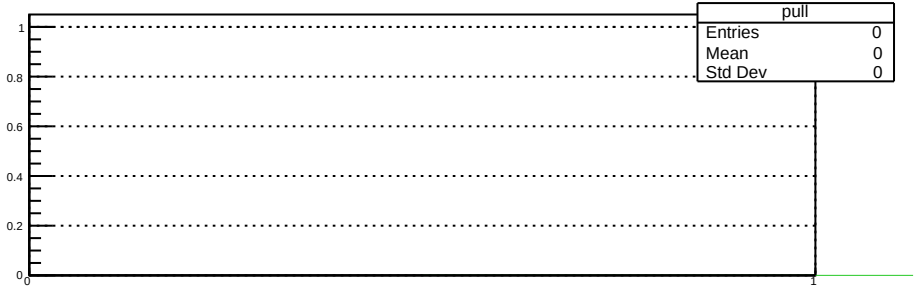
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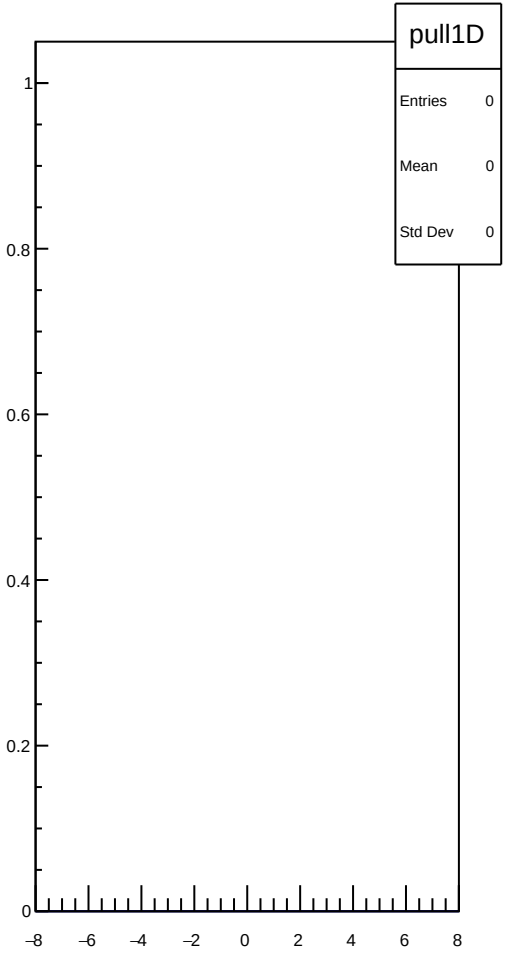
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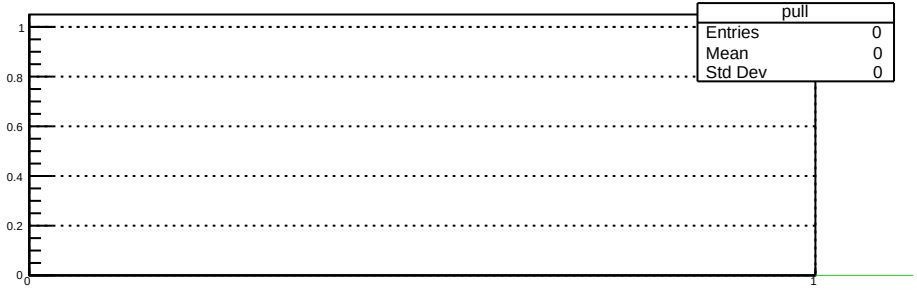
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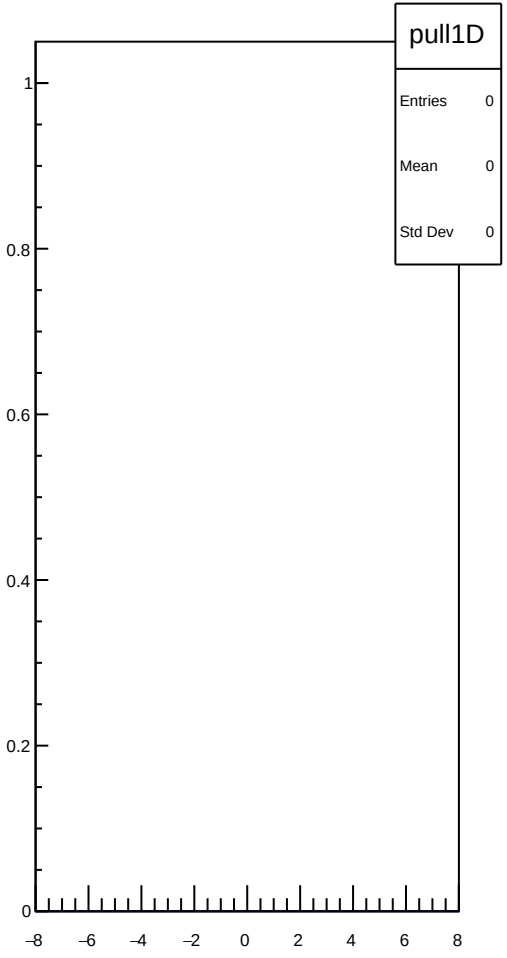
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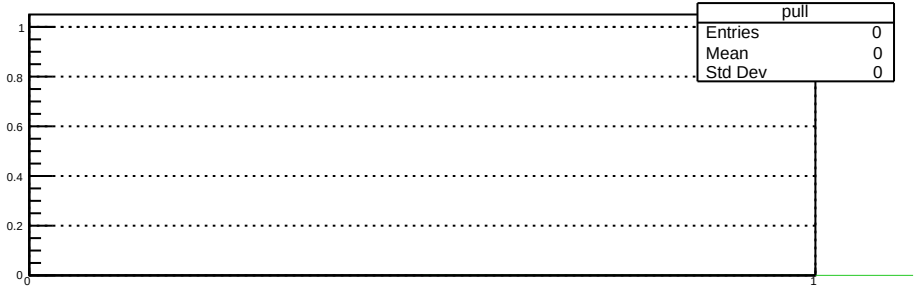
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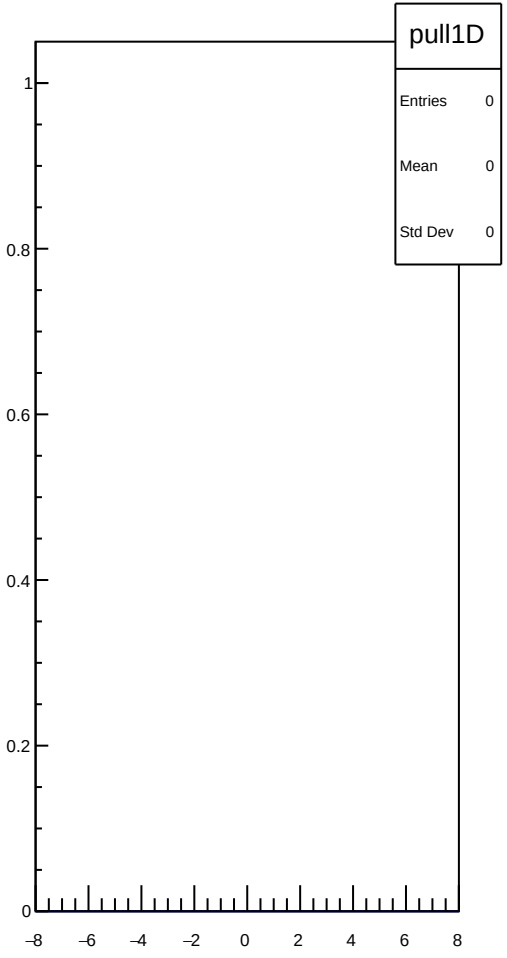
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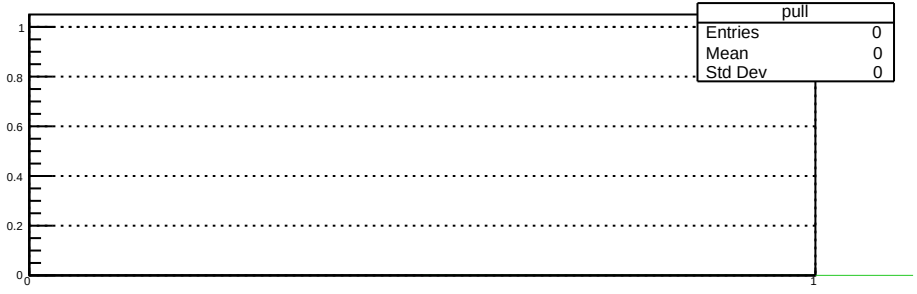
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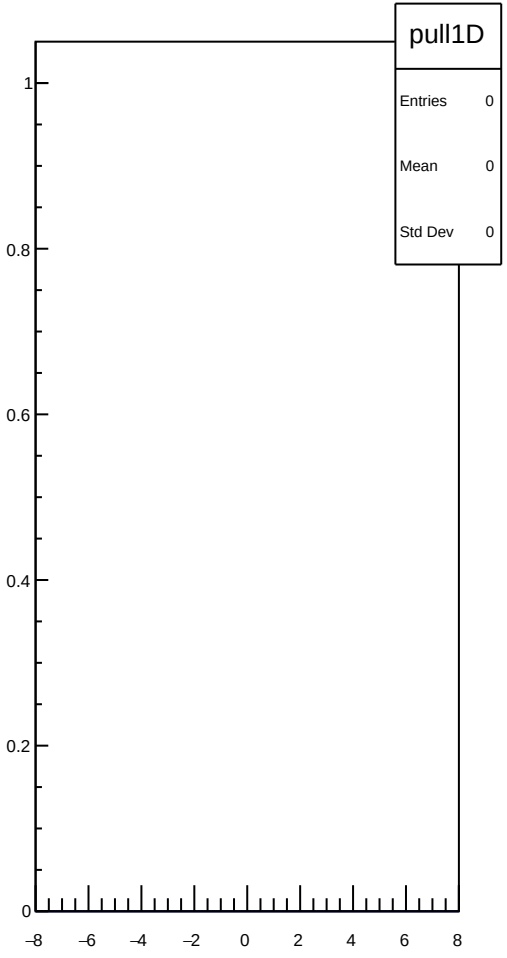
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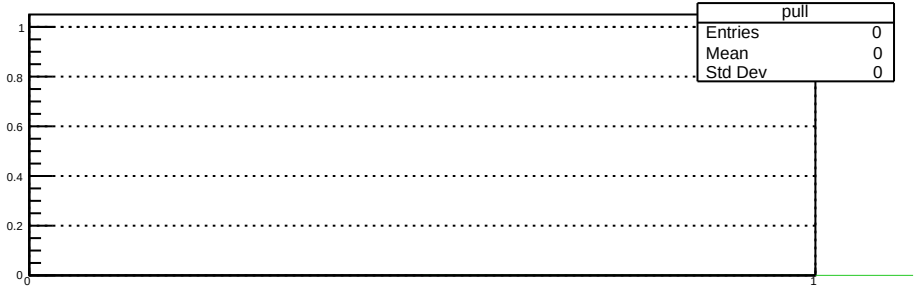
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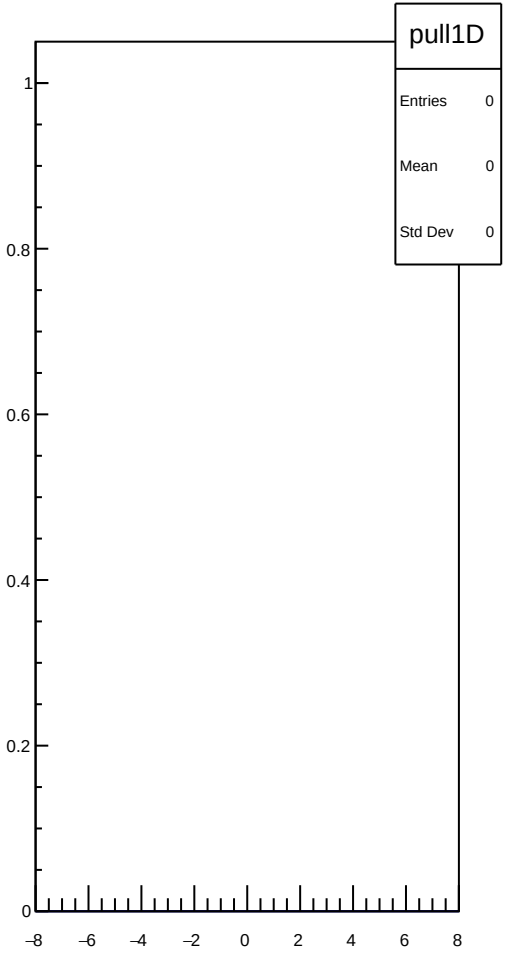
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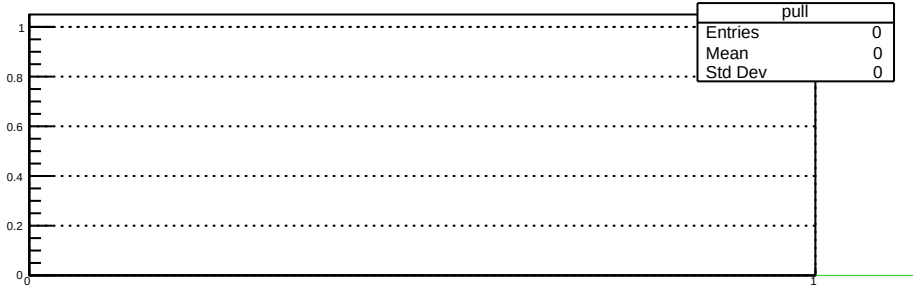
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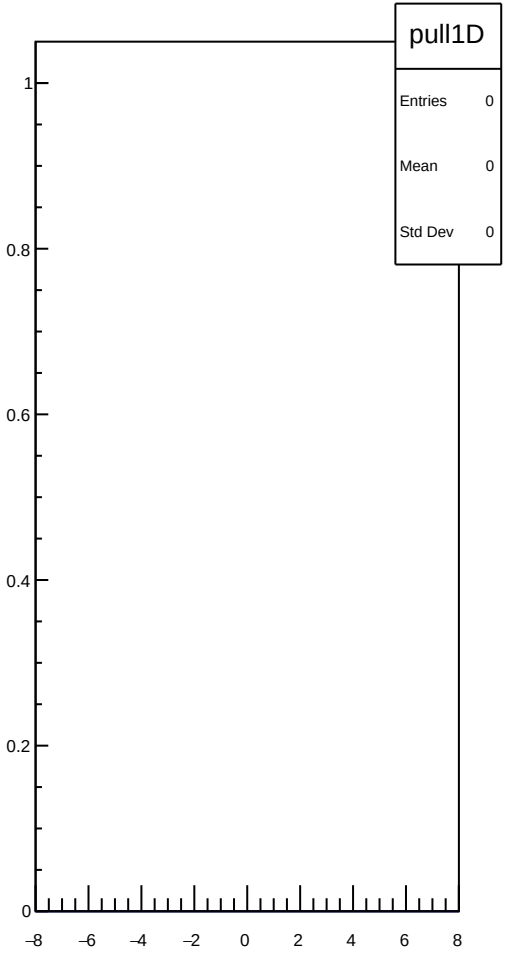
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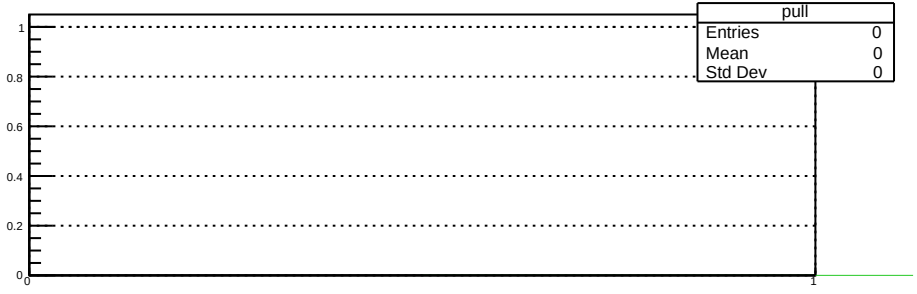
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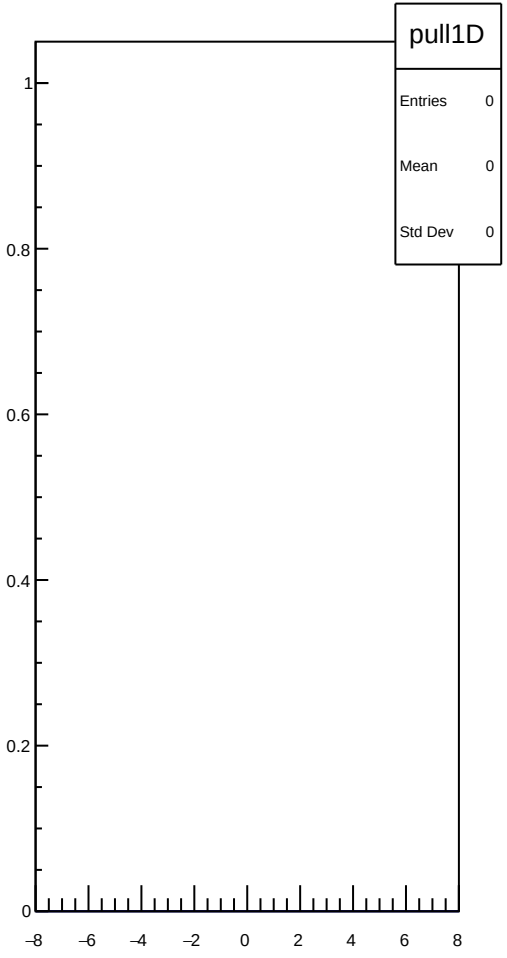
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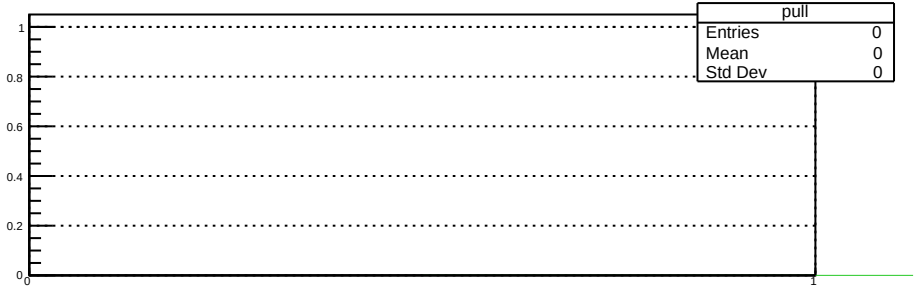
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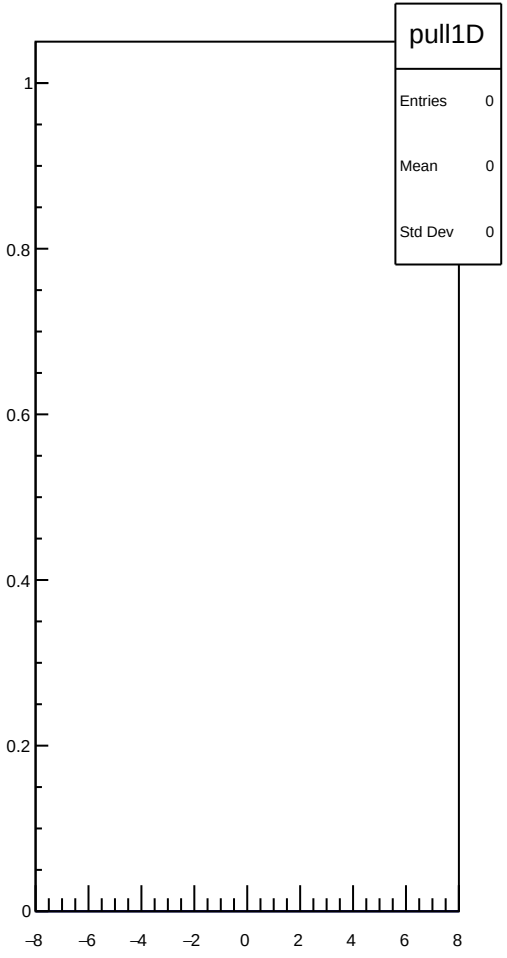
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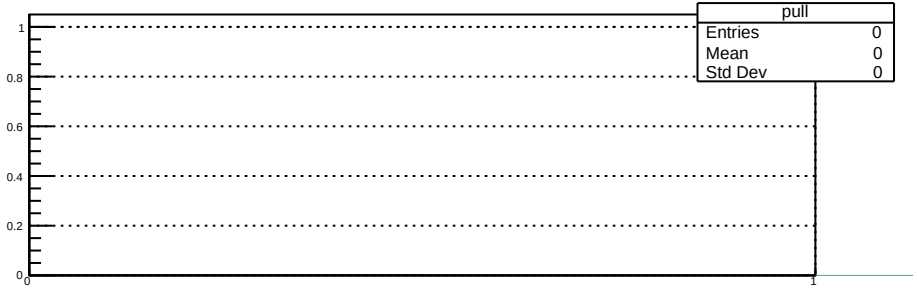
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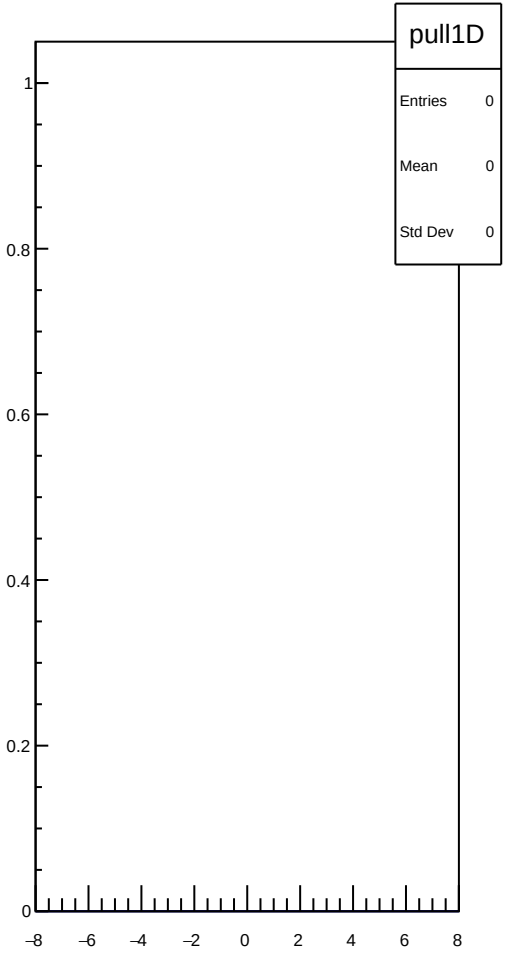
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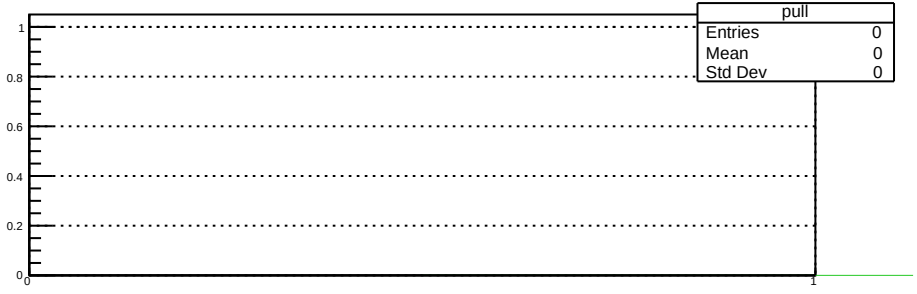
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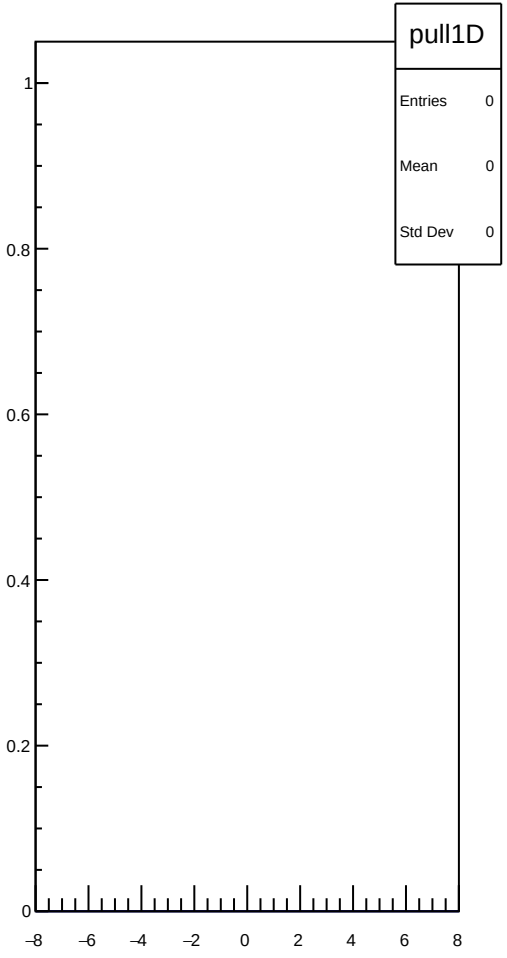
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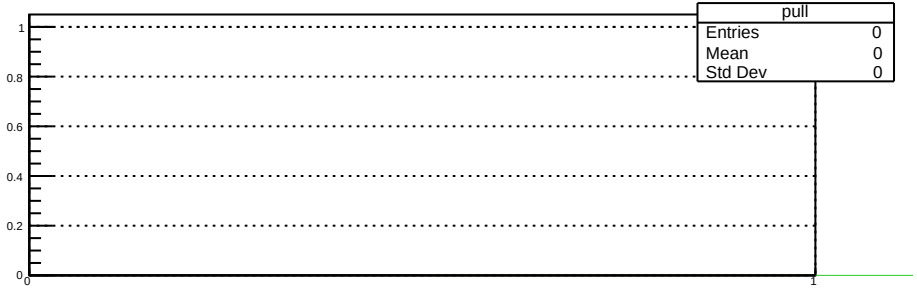
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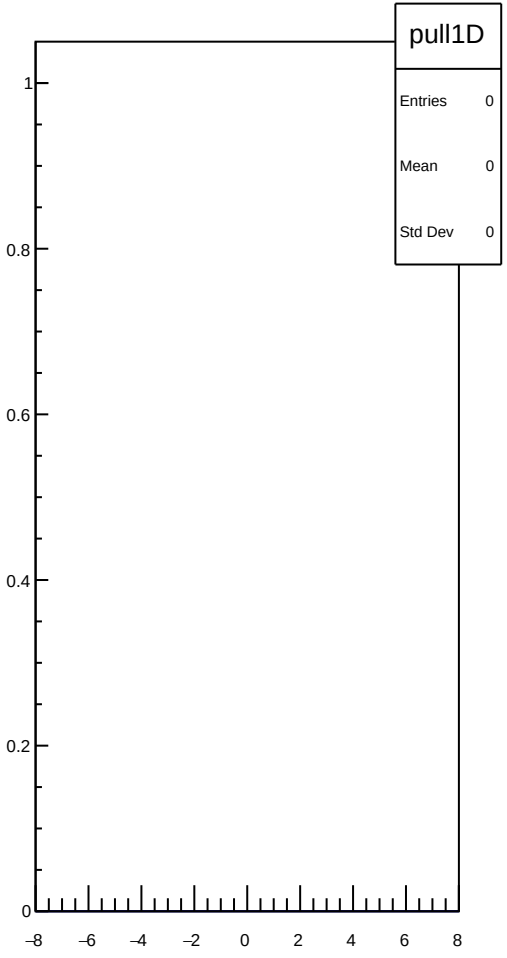
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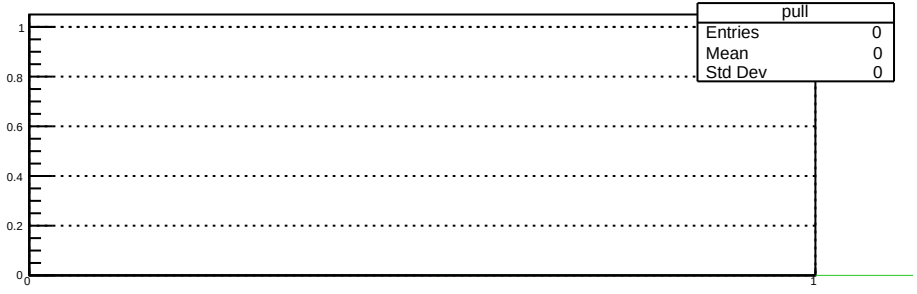
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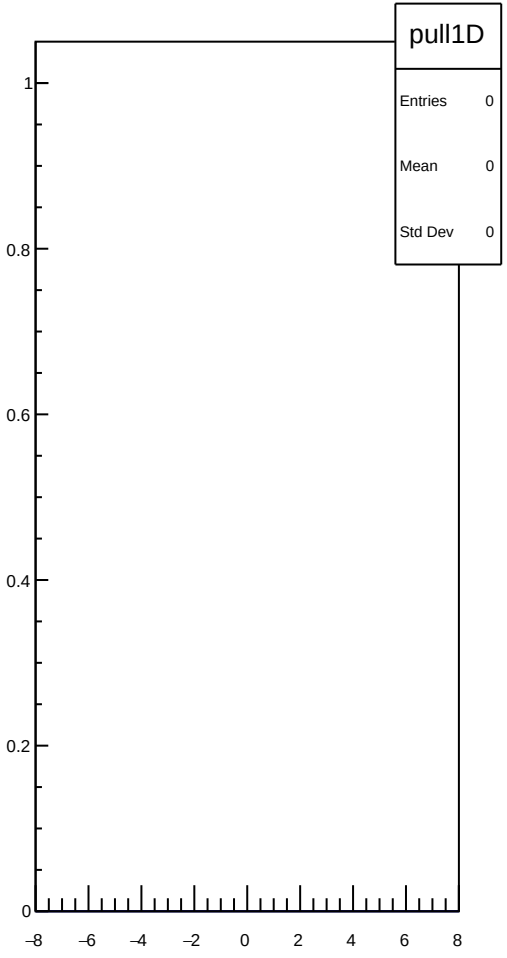
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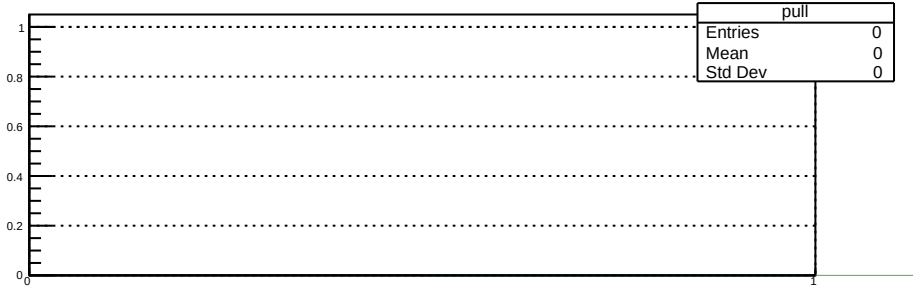
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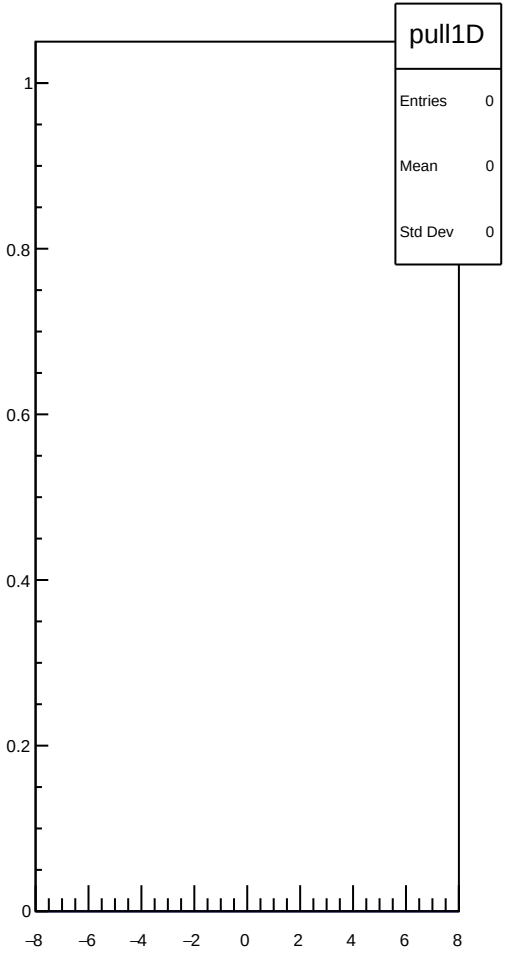
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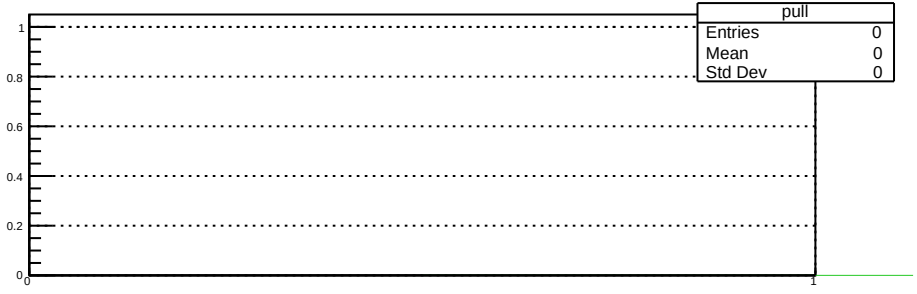
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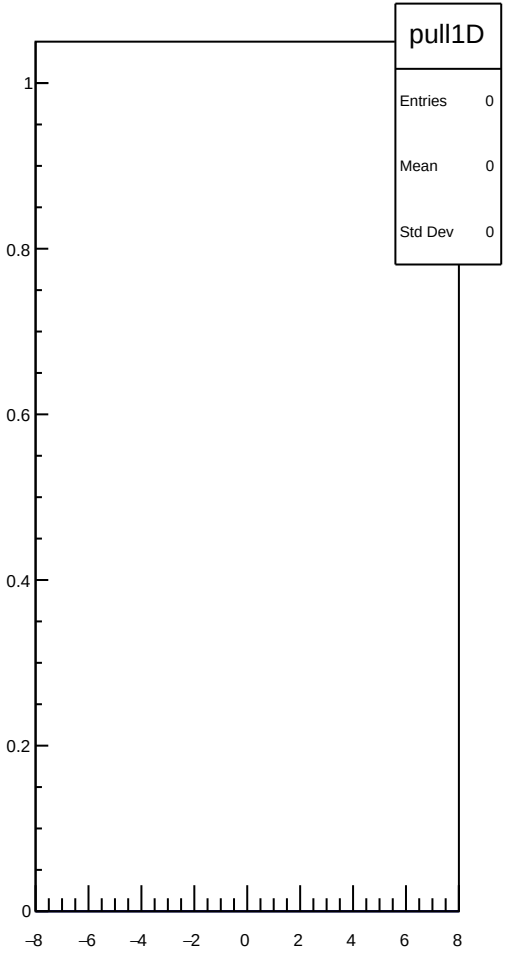
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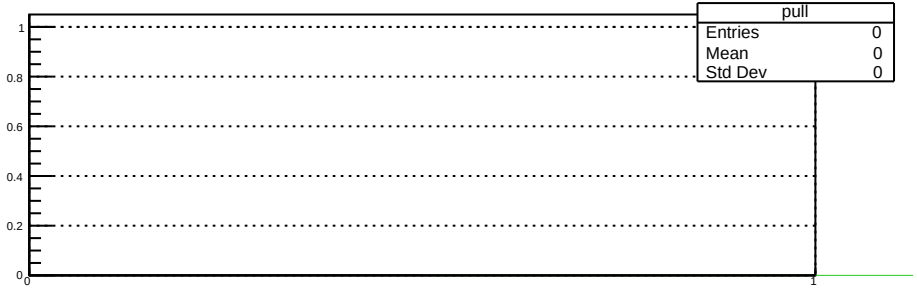
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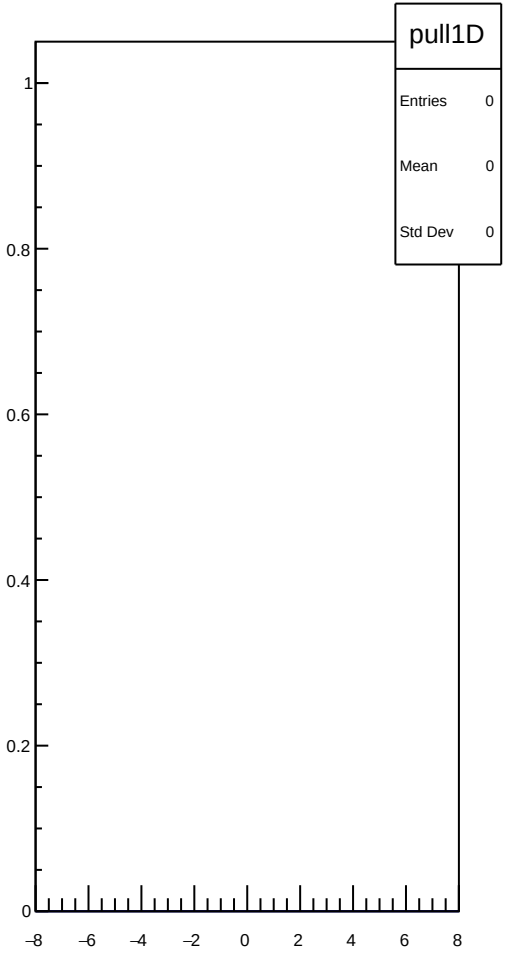
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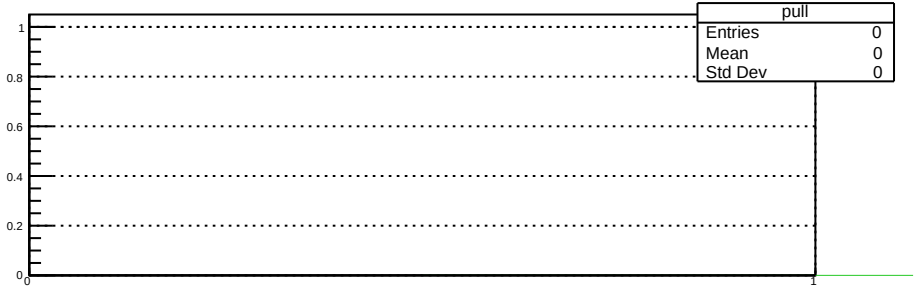
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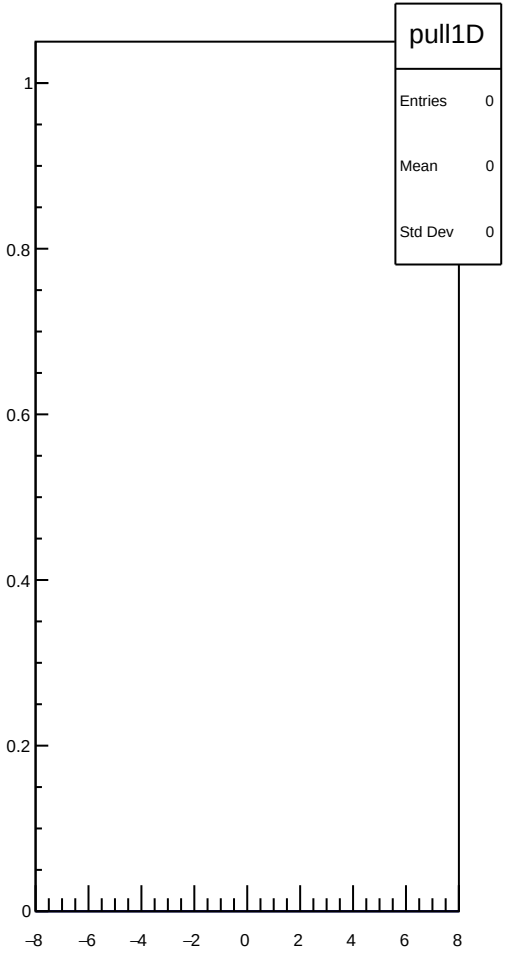
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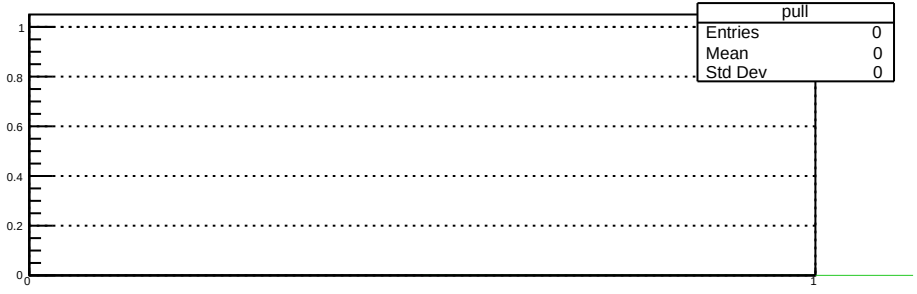
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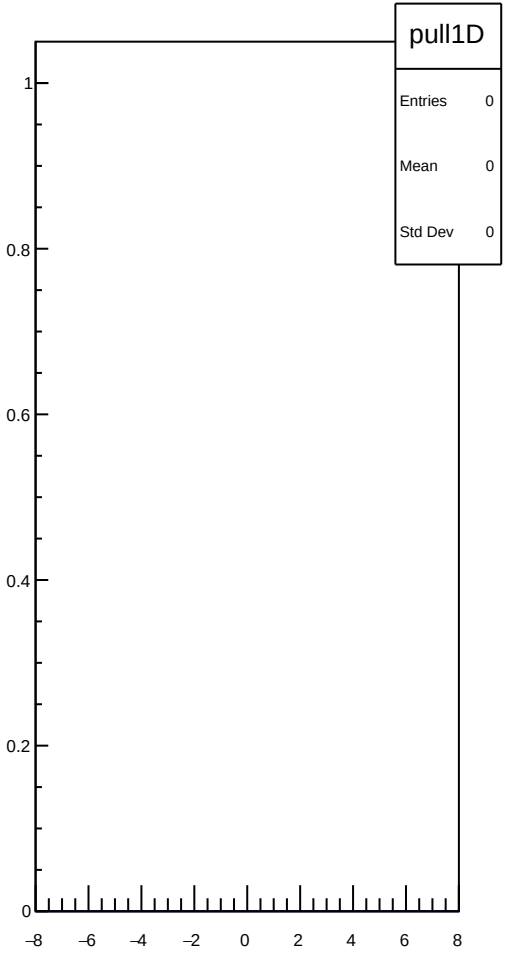
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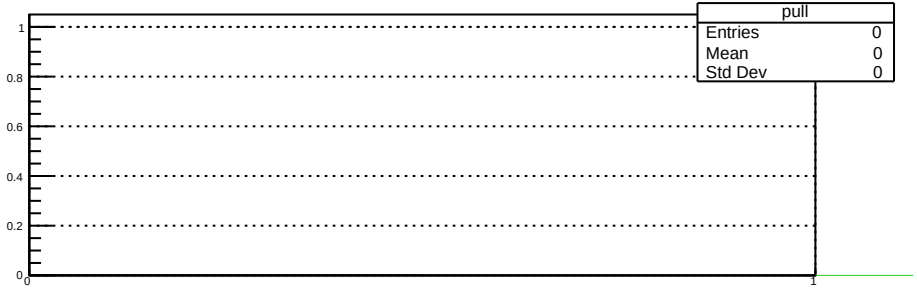
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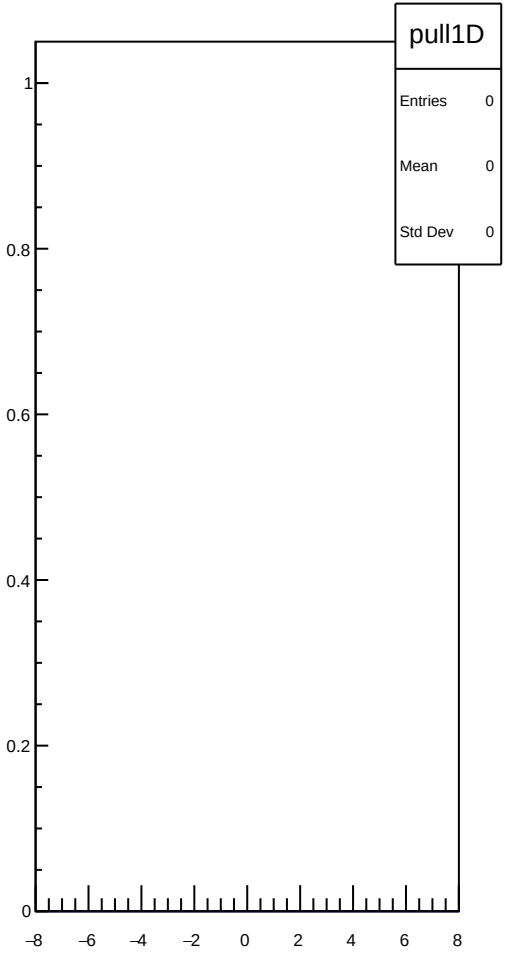
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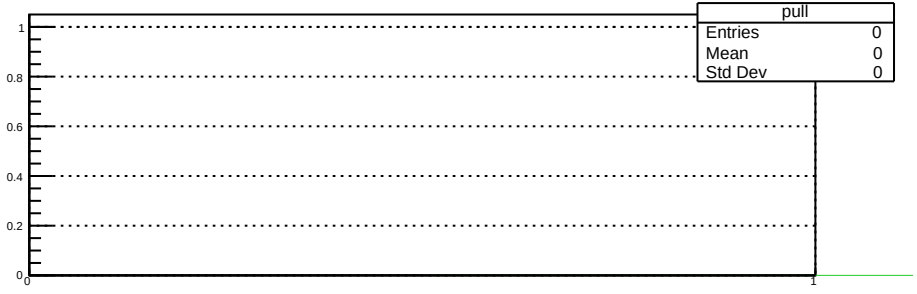
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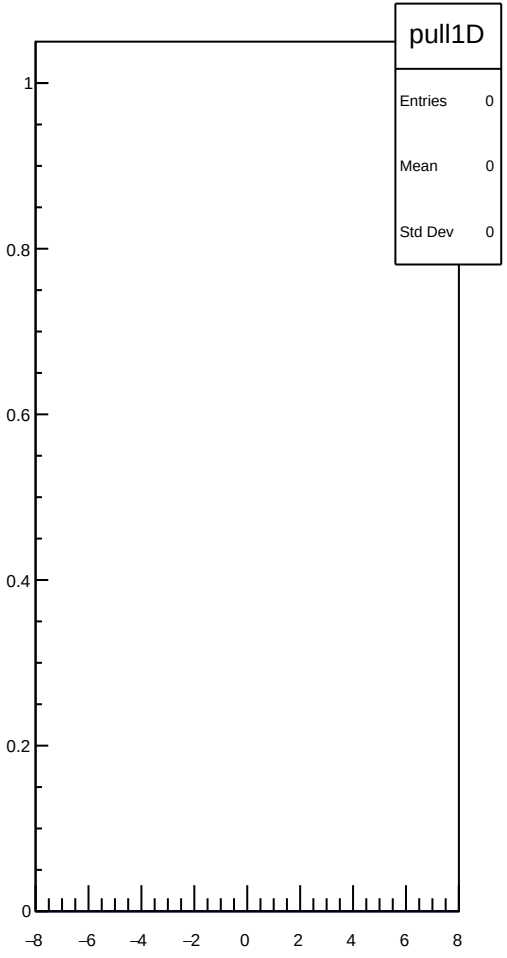
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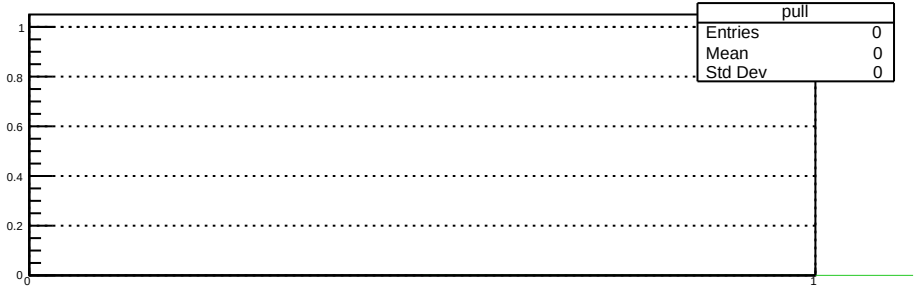
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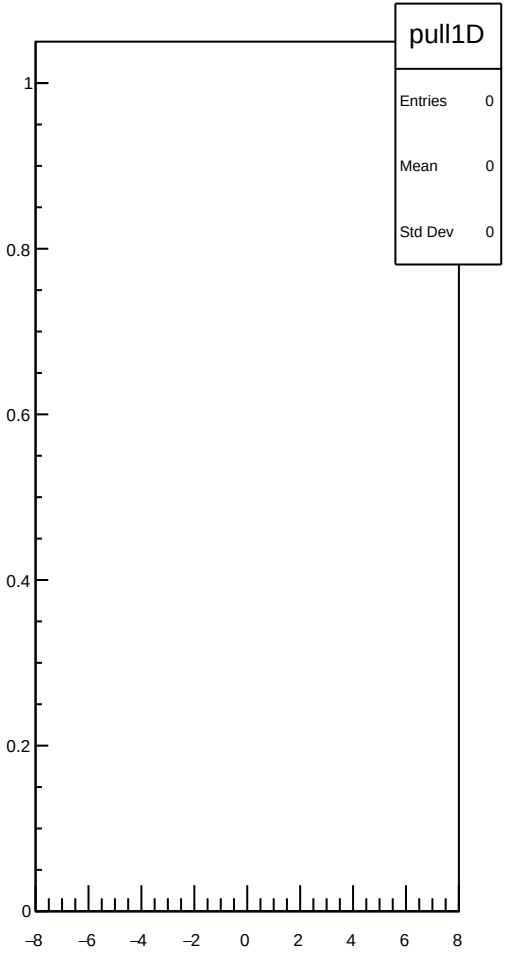
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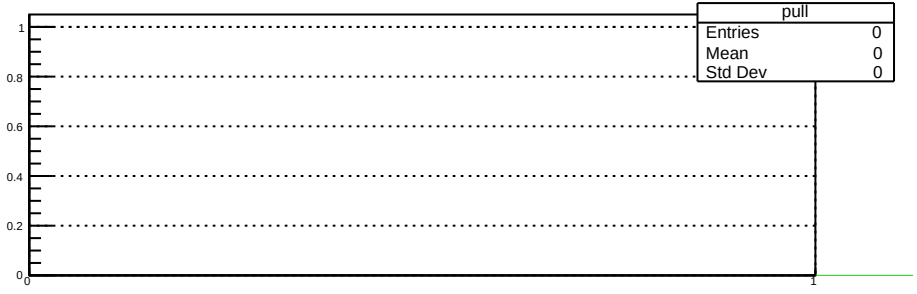
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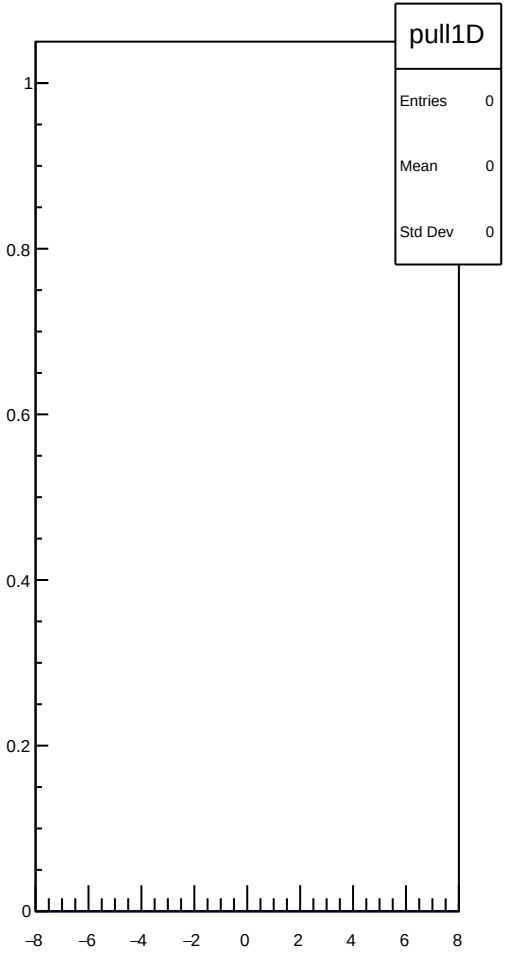
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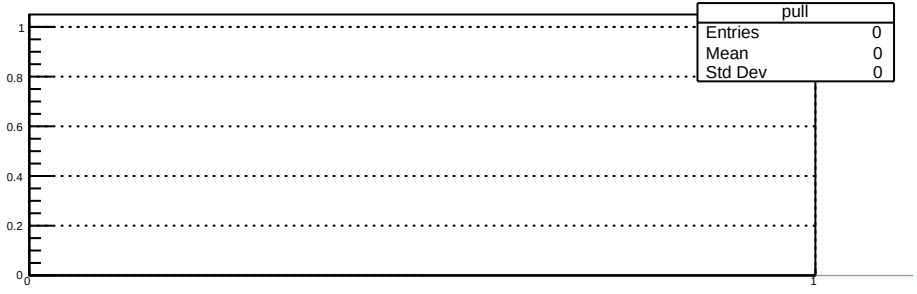
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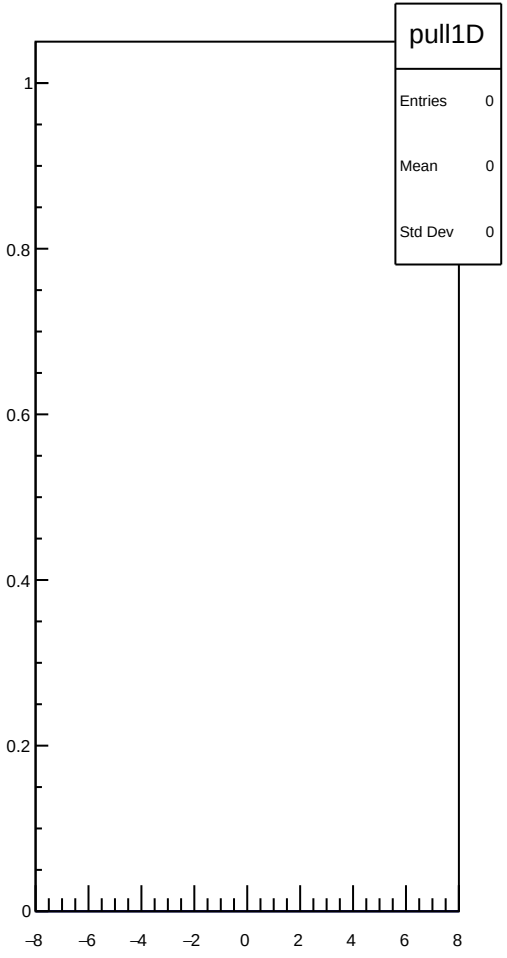
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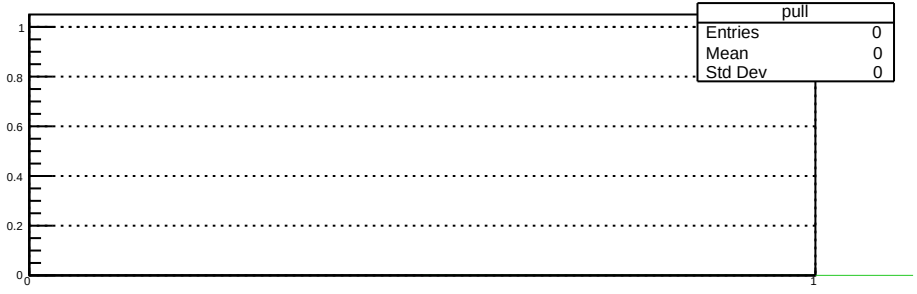
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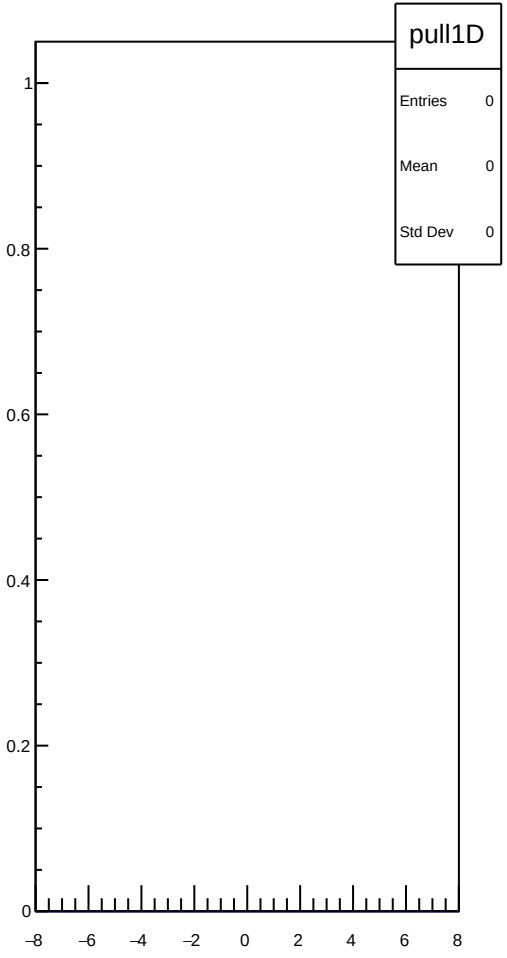
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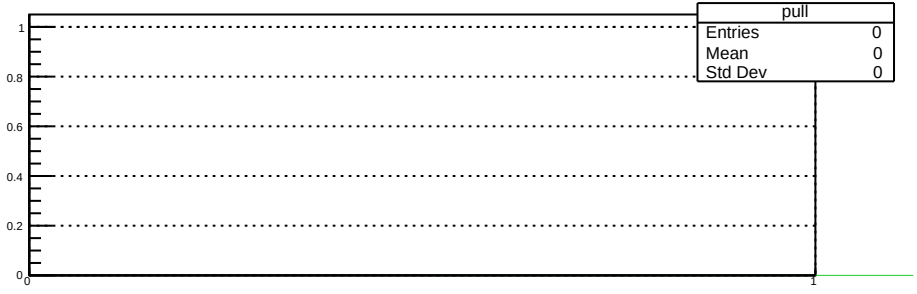
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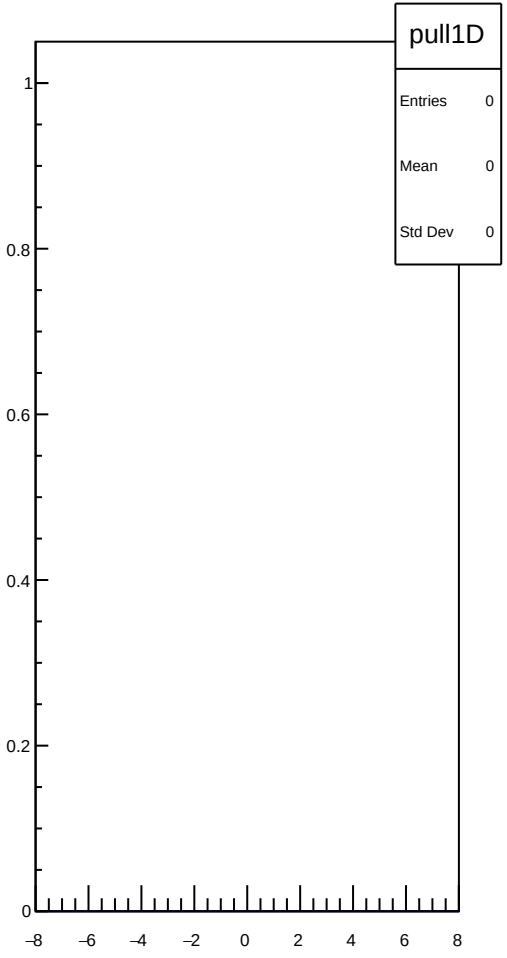
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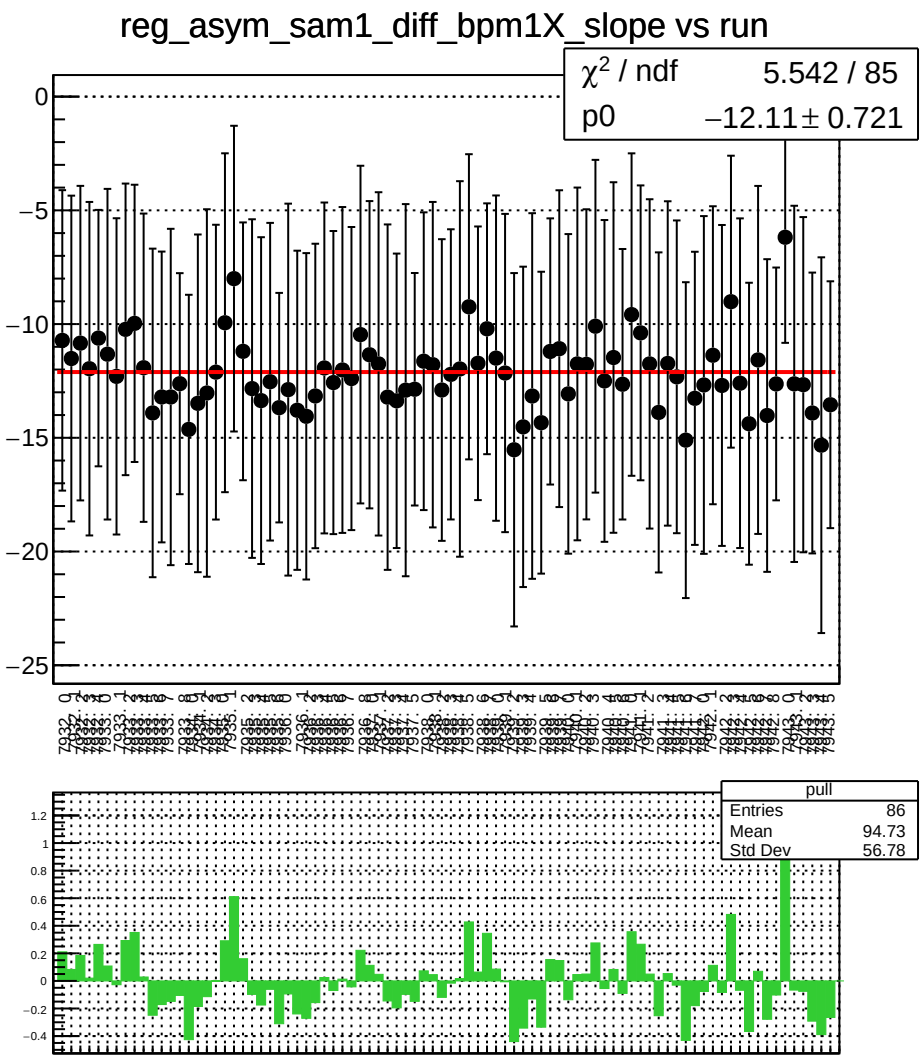
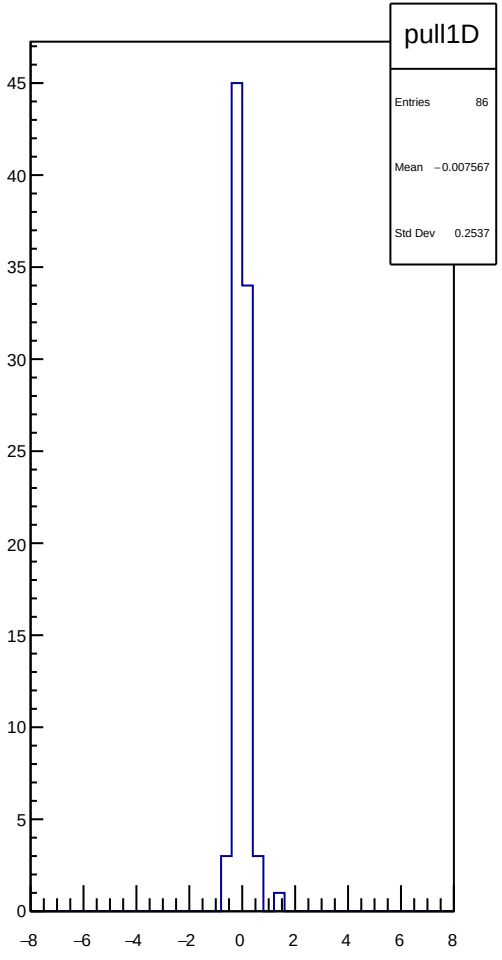

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 5.542 / 85
p0 −12.11 ± 0.721
pull
Entries 86
Mean 94.73
Std Dev 56.78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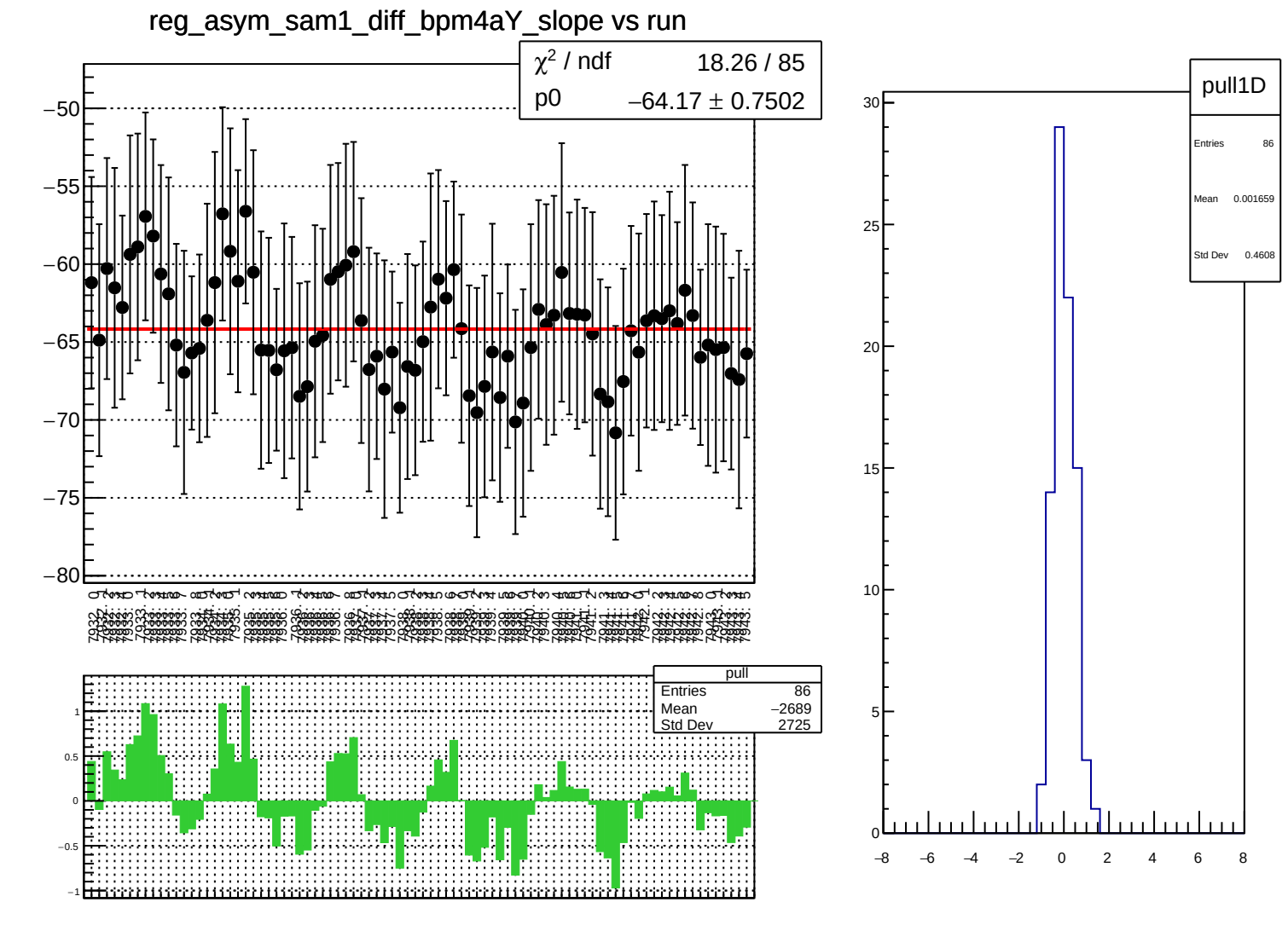
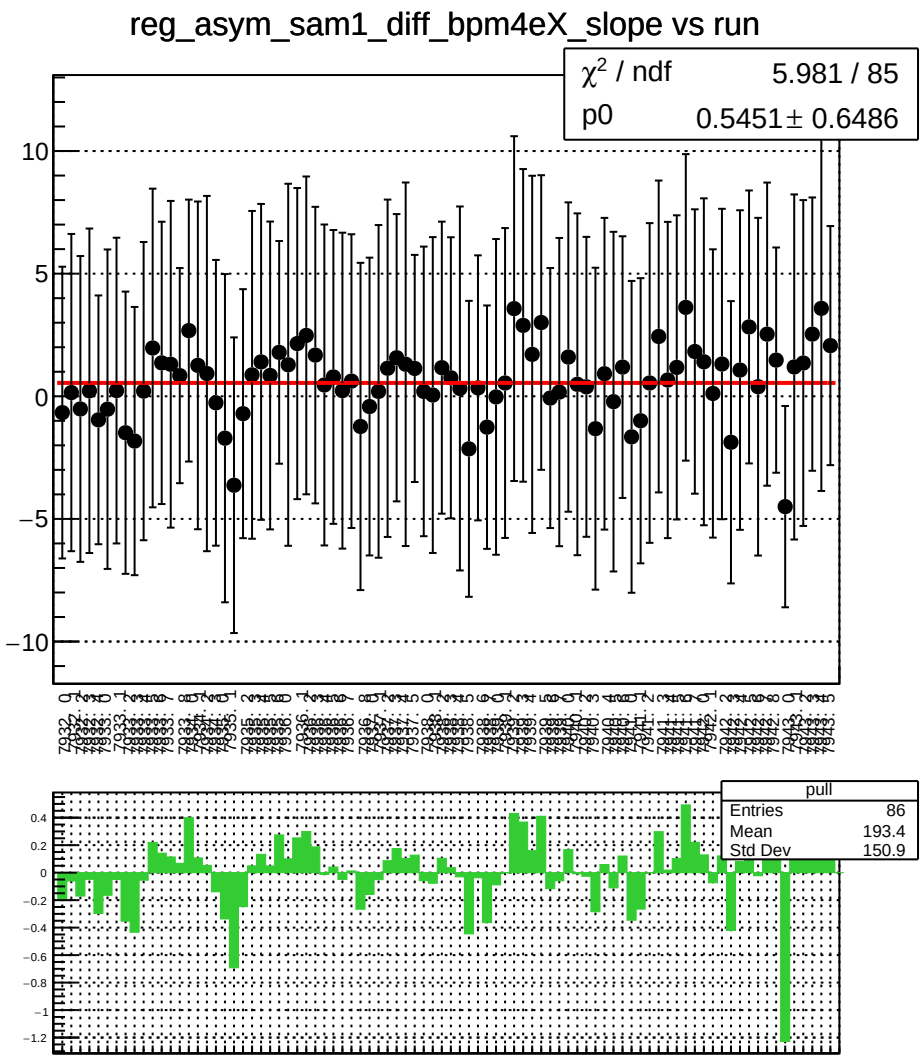
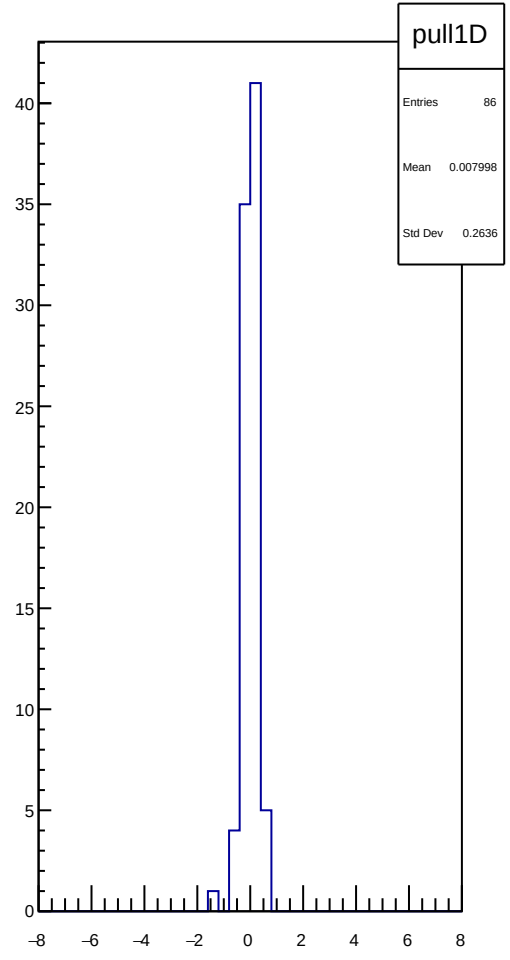
Entries 86
Mean −0.007567
Std Dev 0.2537


reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 18.26 / 85
p0 −64.17 ± 0.7502
pull
Entries 86
Mean −2689
Std Dev 2725
pull1D
Entries 86
Mean 0.001659
Std Dev 0.4608


reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 5.981 / 85
p0 0.5451± 0.6486
pull
Entries 86
Mean 193.4
Std Dev 150.9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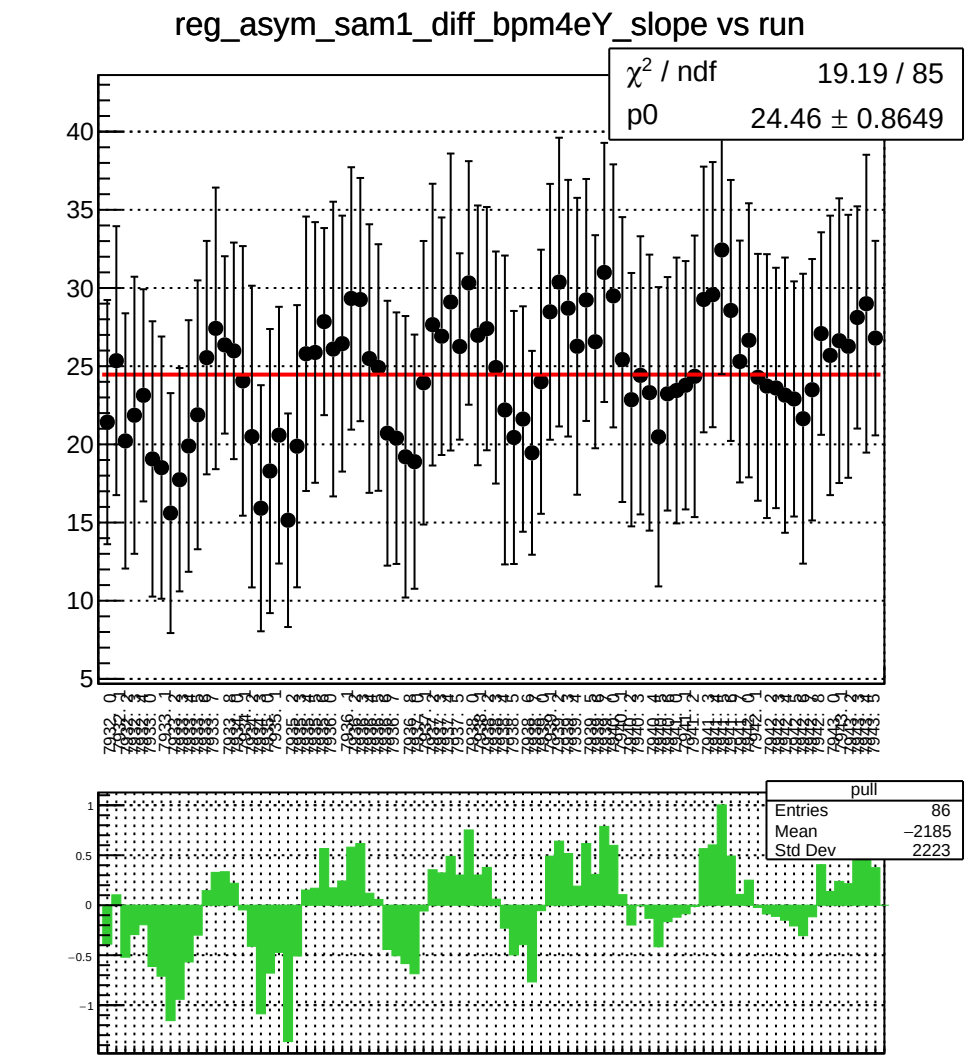
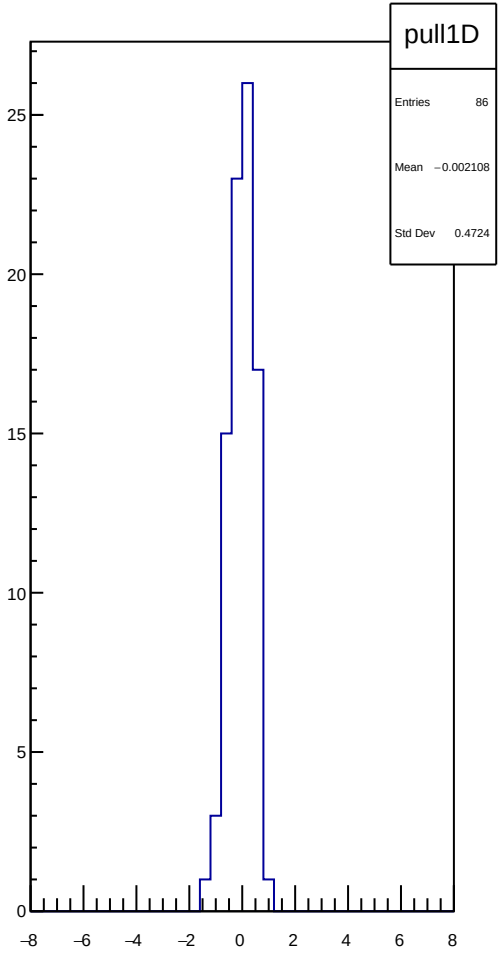
Mean 0.007998
Std Dev 0.2636


reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 19.19 / 85
p0 24.46 ± 0.8649
pull
Entries 86
Mean −2185
Std Dev 2223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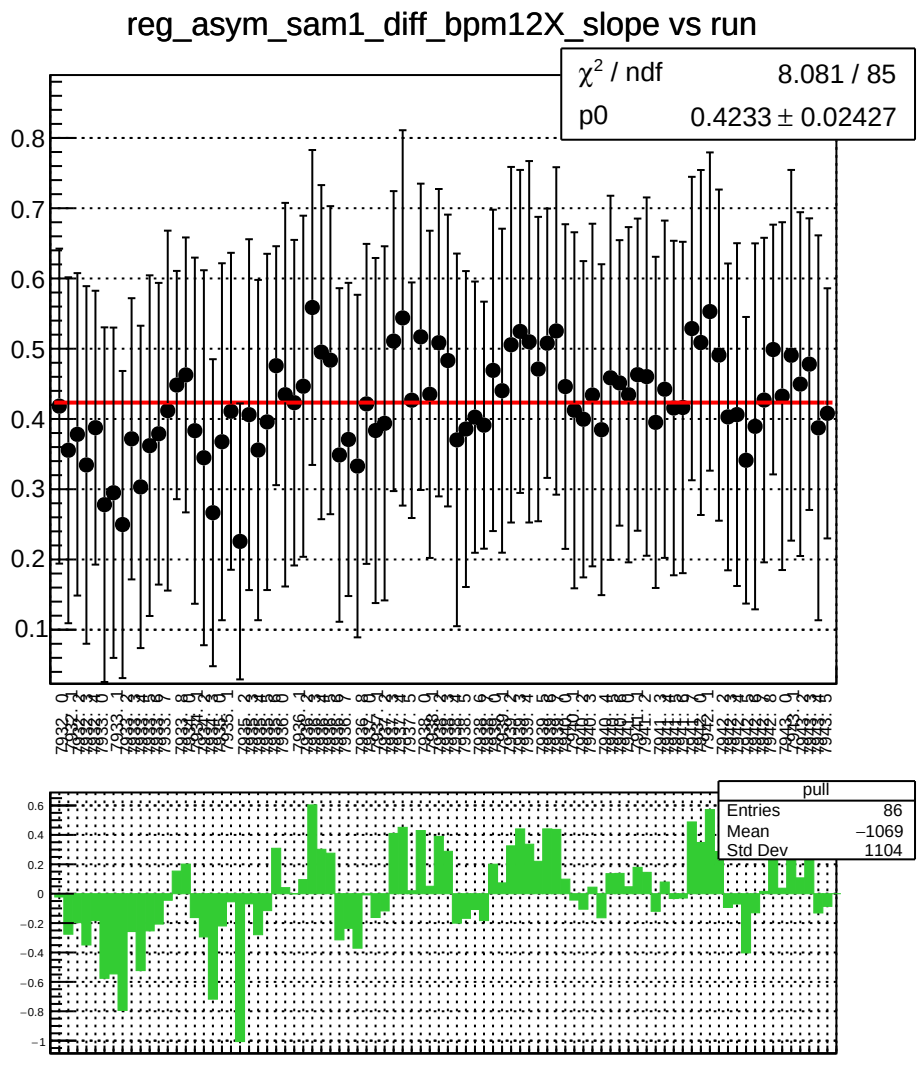
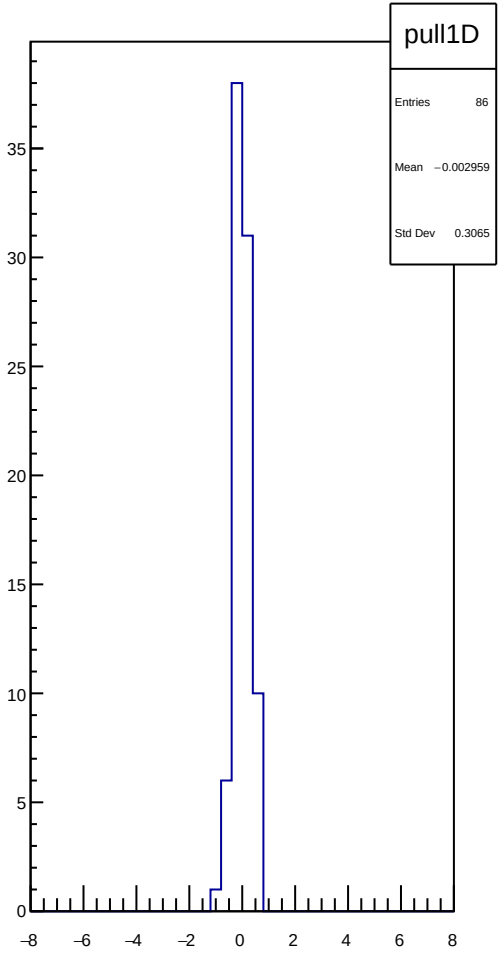
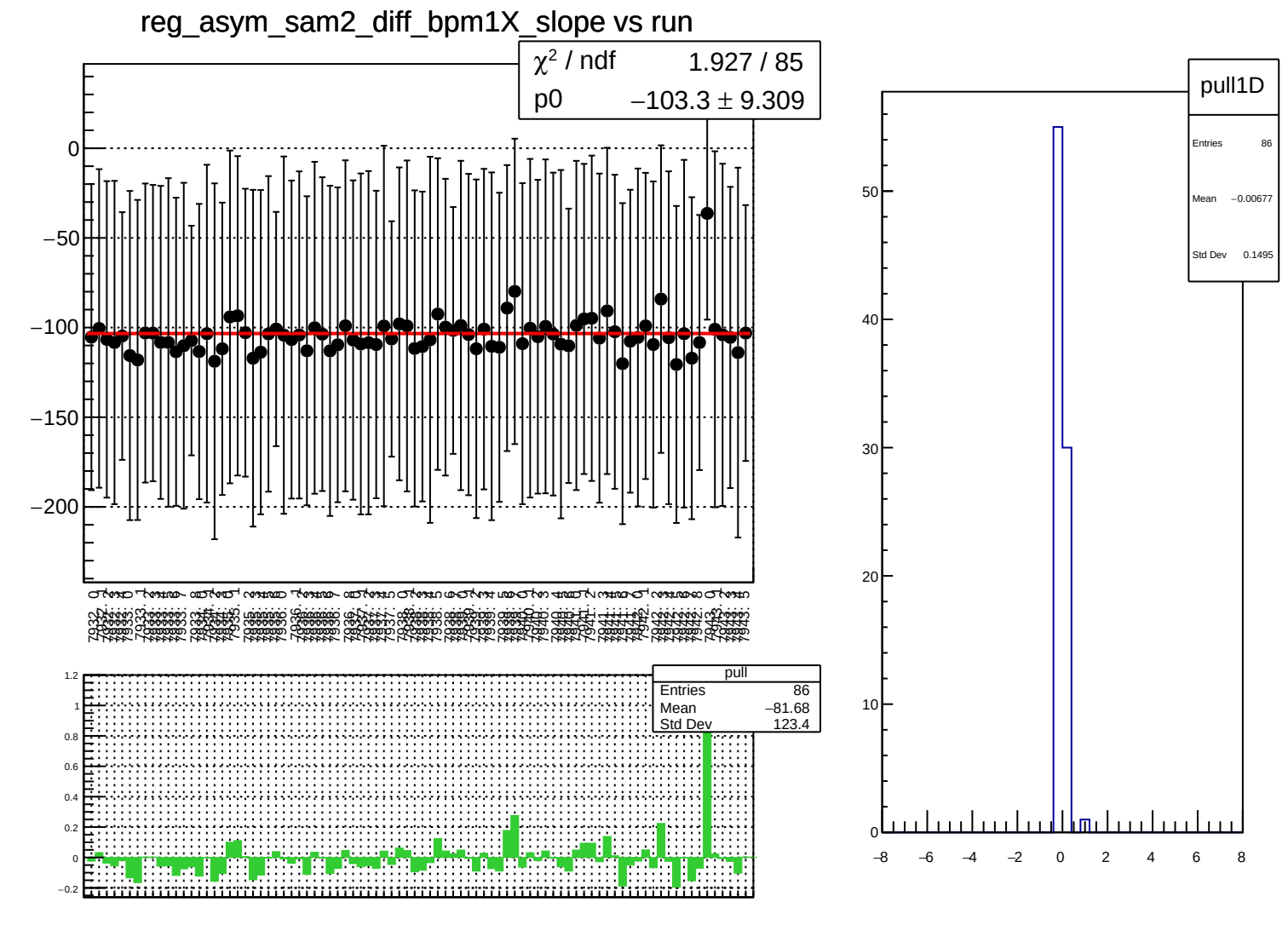
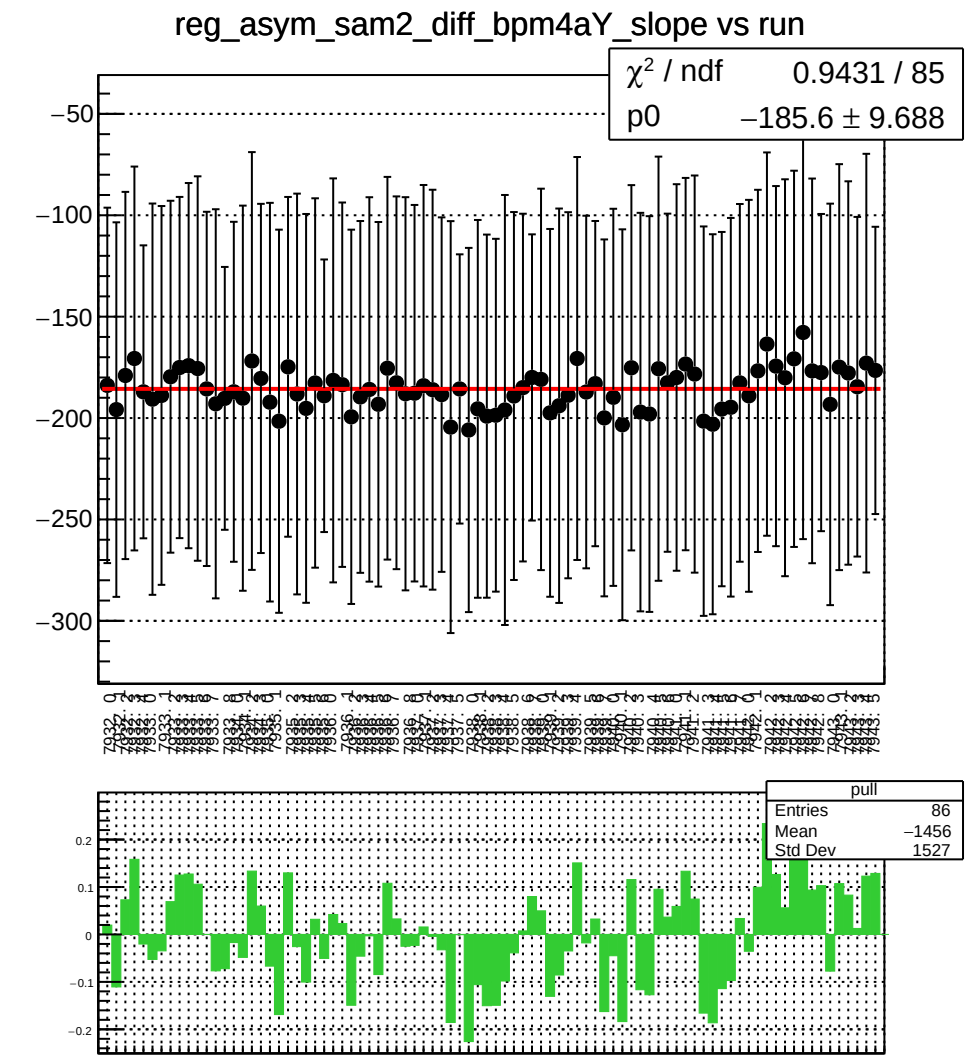
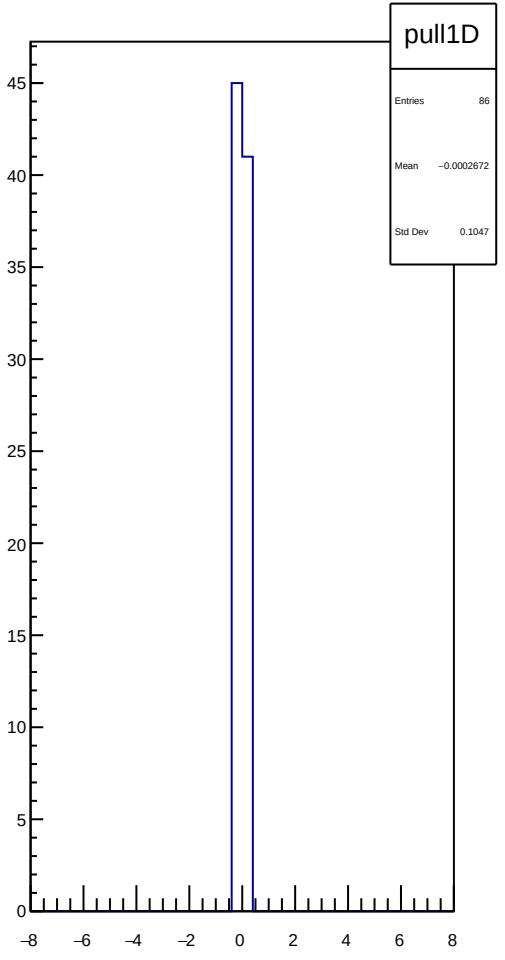
Entries 86
Mean −0.002108
Std Dev 0.4724

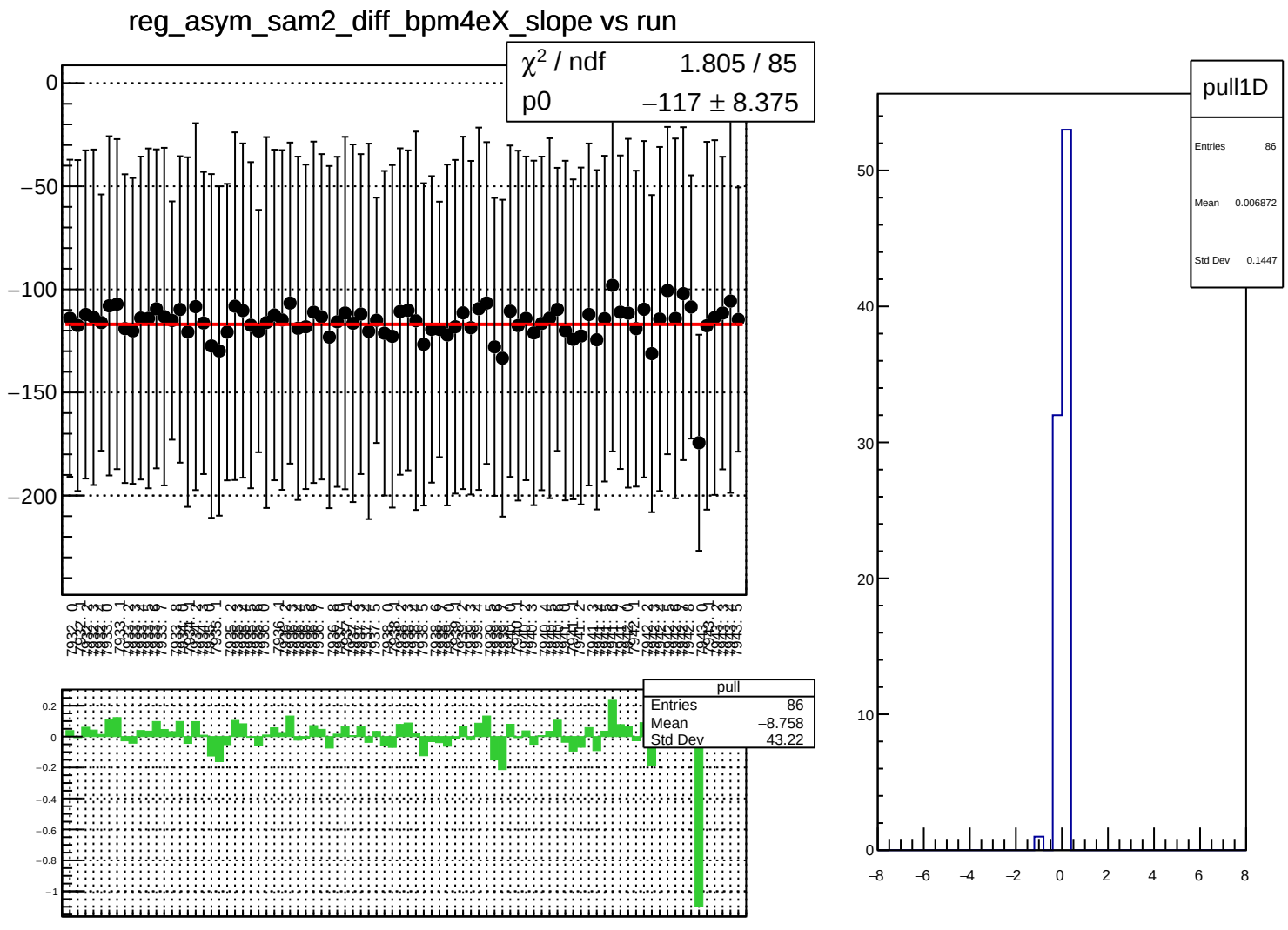

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 8.081 / 85
p0 0.4233 ± 0.02427
pull
Entries 86
Mean −1069
Std Dev 1104

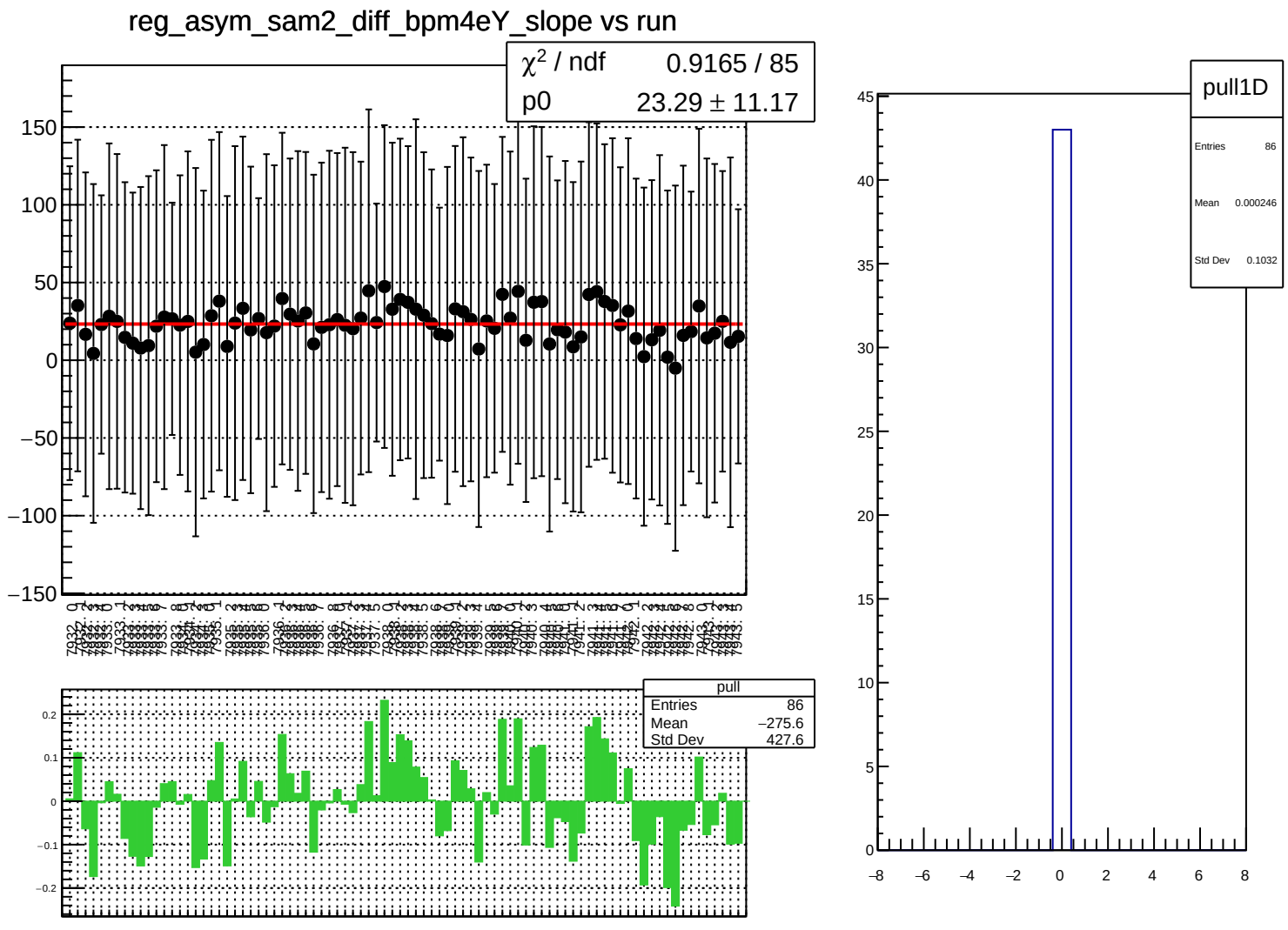

pull1D
Entries 86
Mean −0.002959
Std Dev 0.3065

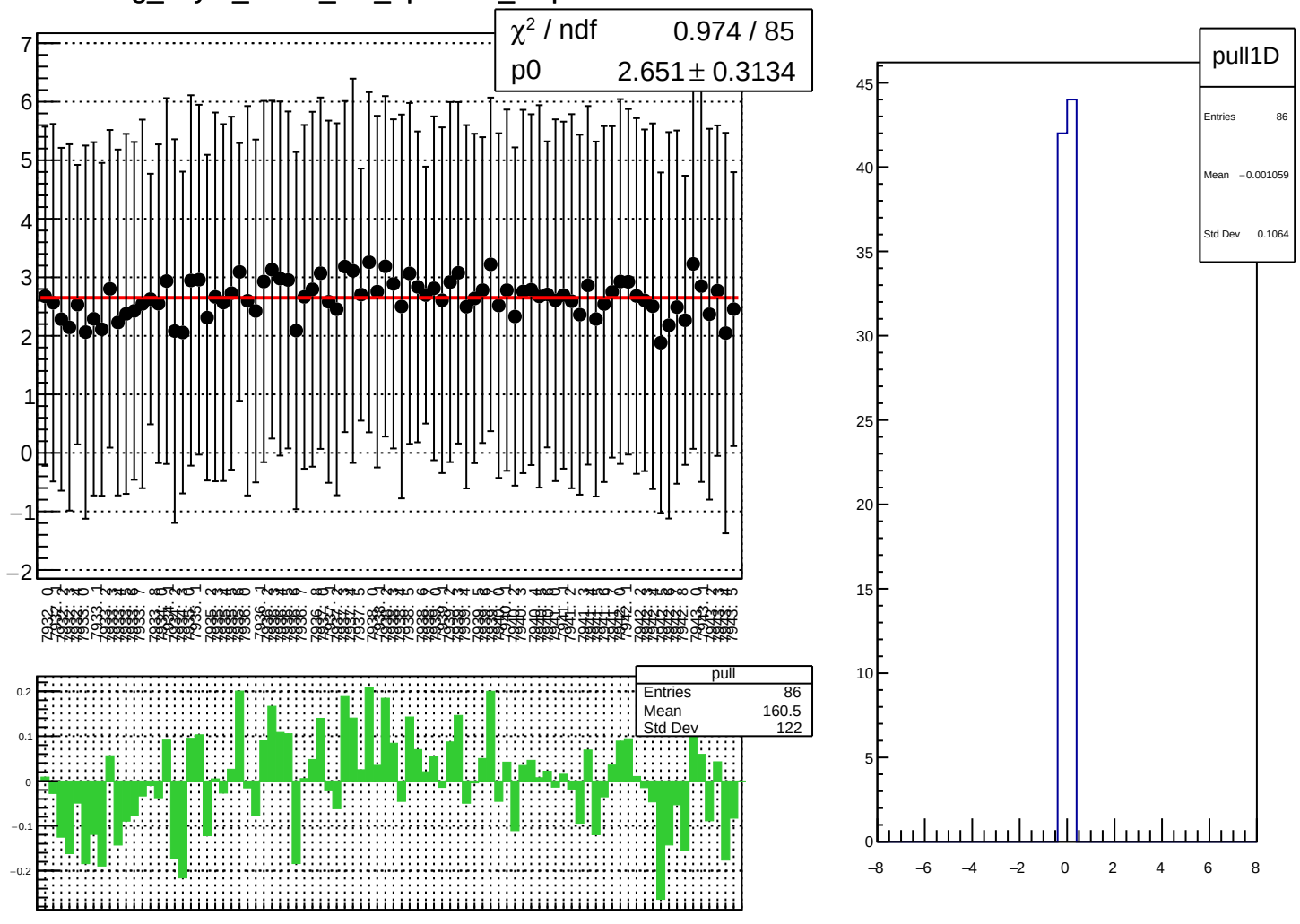

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 1.927 / 85
p0 −103.3 ± 9.309
pull
Entries 86
Mean −81.68
Std Dev 123.4
pull1D
Entries 86
Mean −0.00677
Std Dev 0.1495

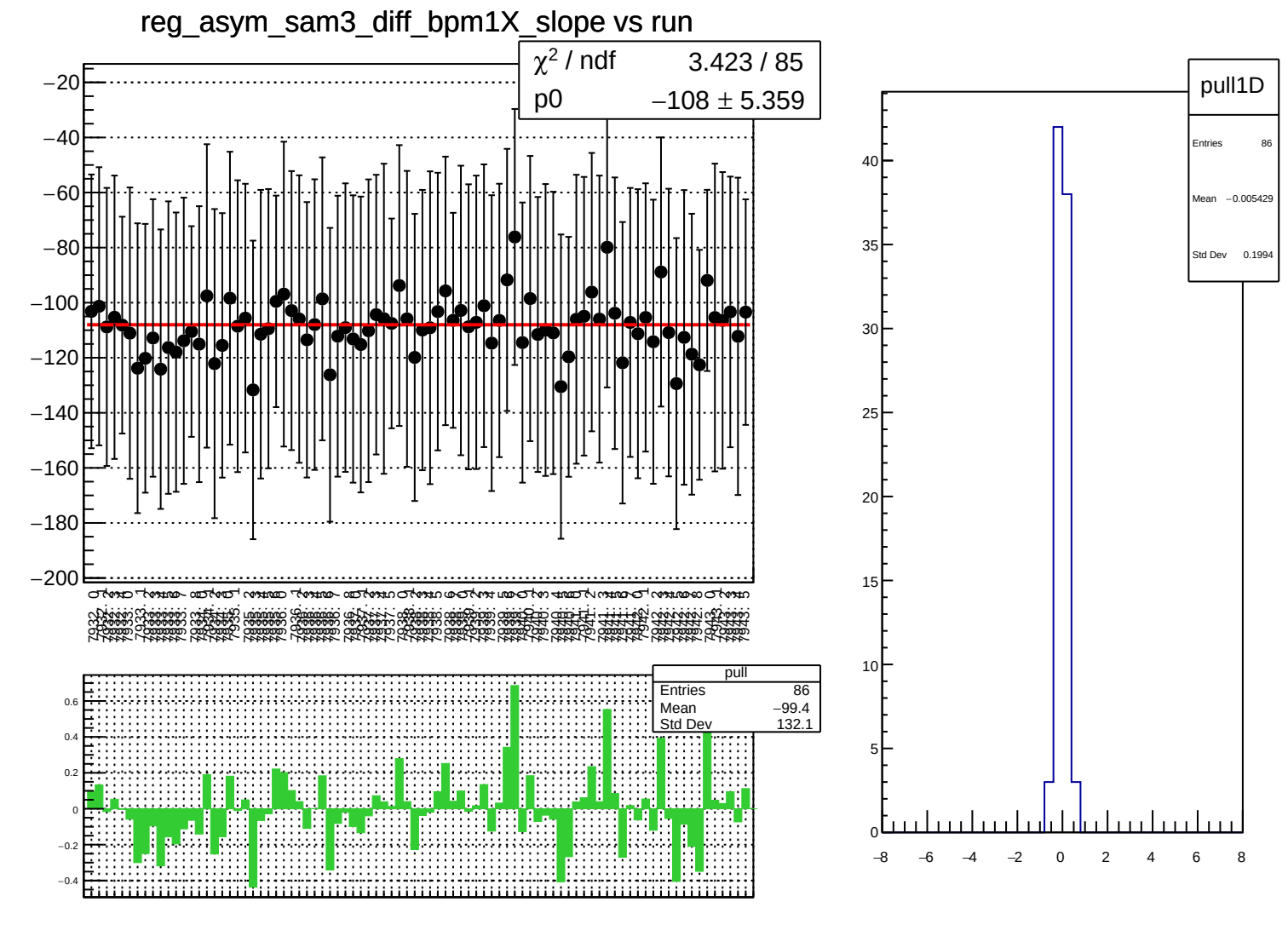

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 0.9431 / 85
p0 −185.6 ± 9.688
pull
Entries 86
Mean −1456
Std Dev 1527

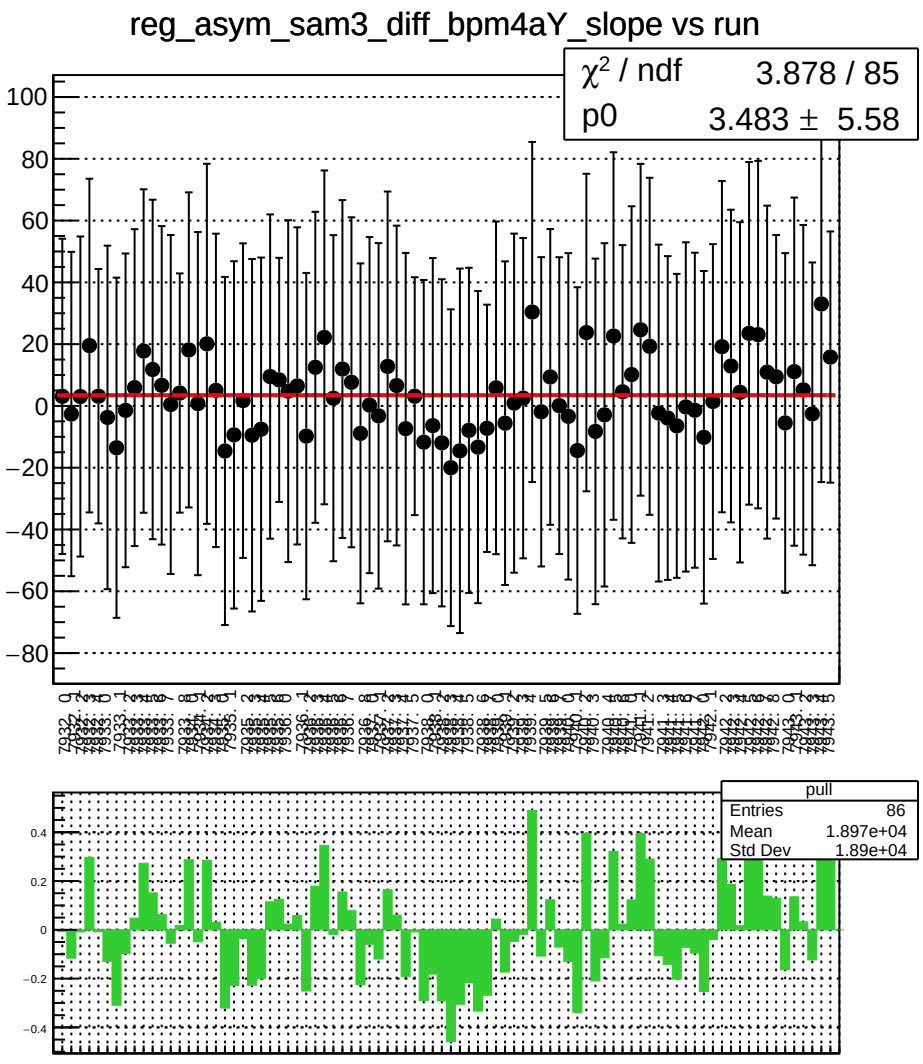

pull1D
Entries 86
Mean −0.0002672
Std Dev 0.1047

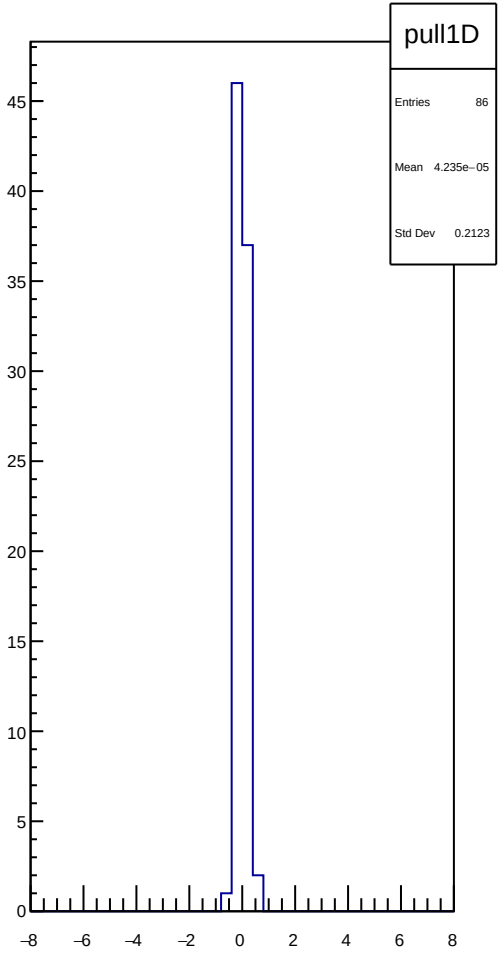

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 1.805 / 85
p0 −117 ± 8.375
pull
Entries 86
Mean −8.758
Std Dev 43.22
pull1D
Entries 86
Mean 0.006872
Std Dev 0.1447

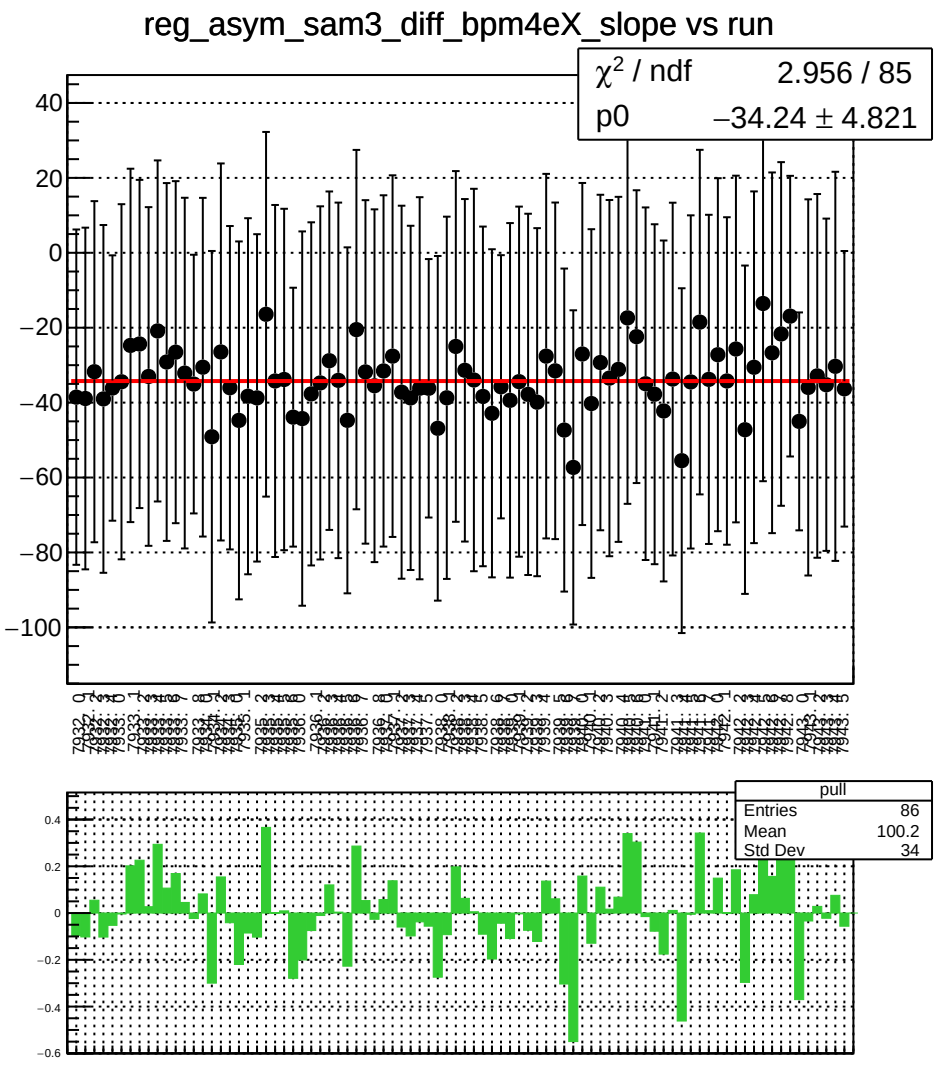

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 0.9165 / 85
p0 23.29 ± 11.17
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean −275.6
Std Dev 427.6
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 86
Mean 0.000246
Std Dev 0.1032
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

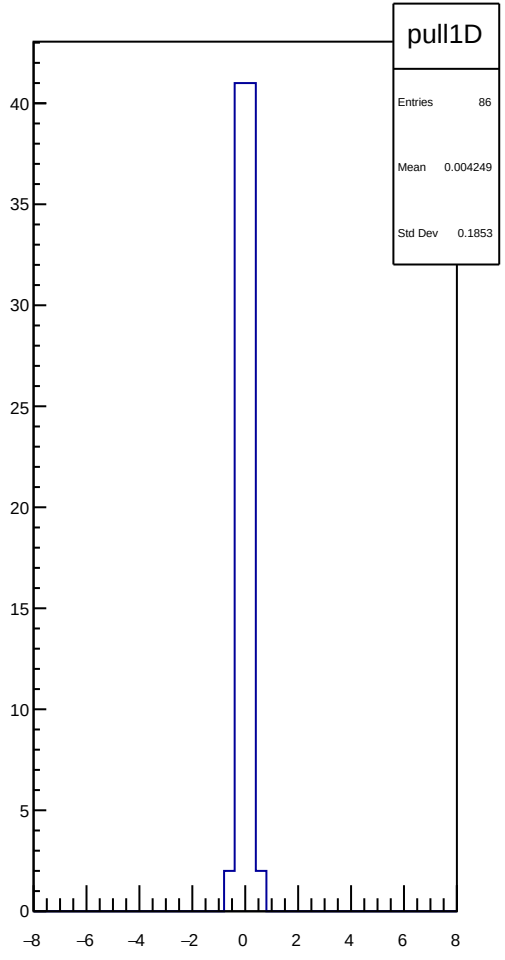

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 0.974 / 85
p0 2.651 ± 0.3134
pull
Entries 86
Mean −160.5
Std Dev 122
pull1D
Entries 86
Mean −0.001059
Std Dev 0.1064

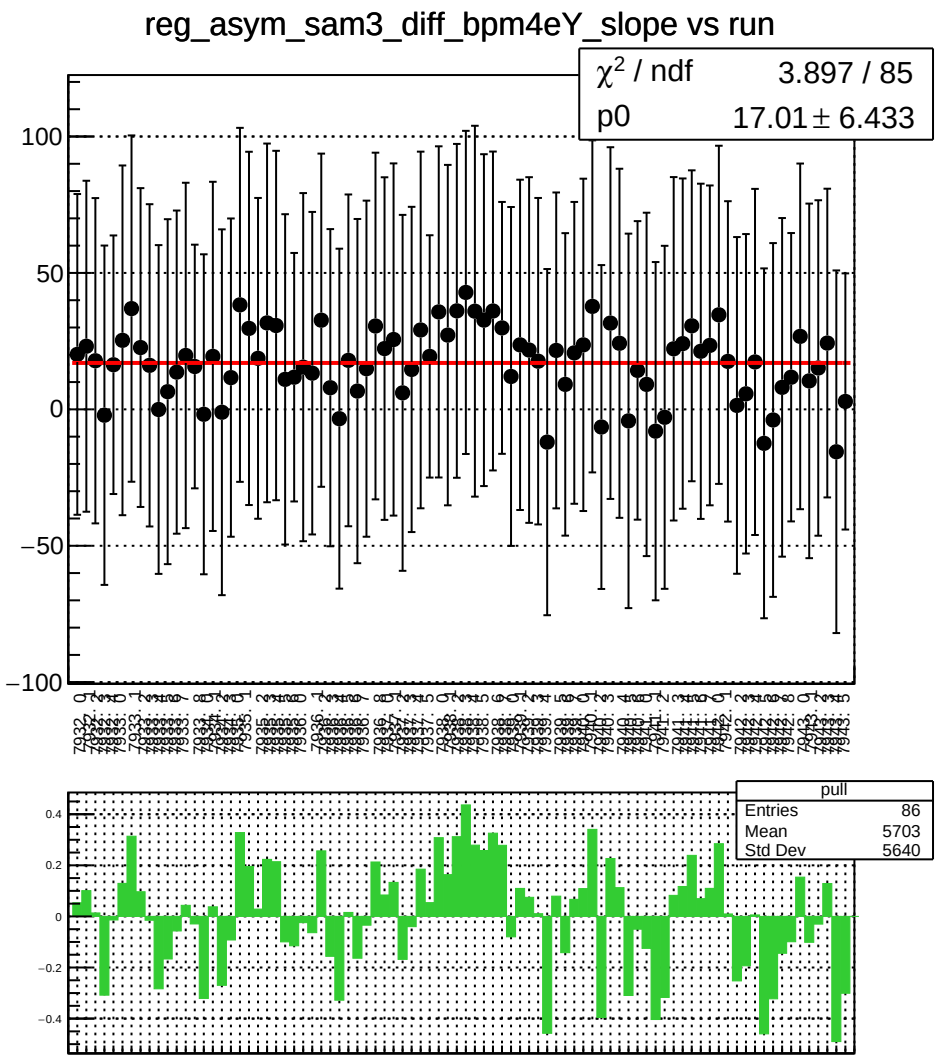

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 3.423 / 85
p0 −108 ± 5.359
pull
Entries 86
Mean −99.4
Std Dev 132.1
pull1D
Entries 86
Mean −0.005429
Std Dev 0.1994

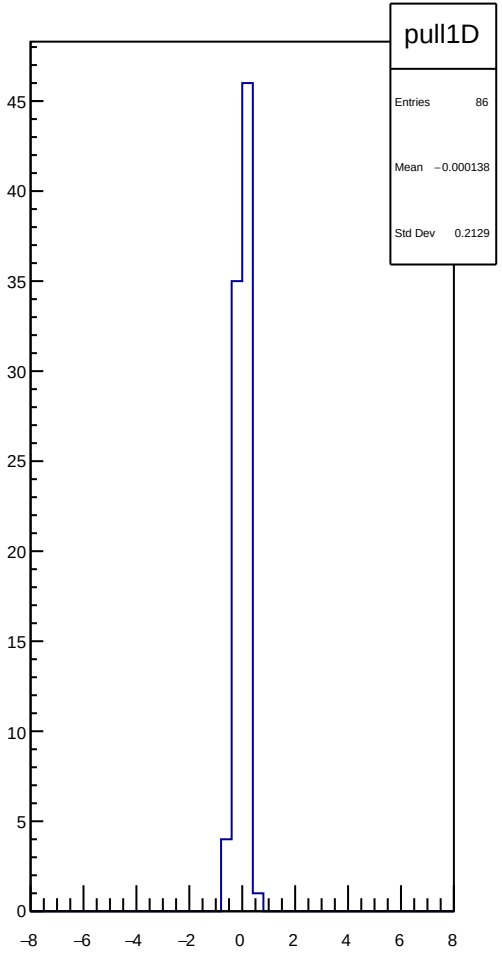

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 3.878 / 85
p0 3.483 ± 5.58
pull
Entries 86
Mean 1.897e+04
Std Dev 1.89e+04

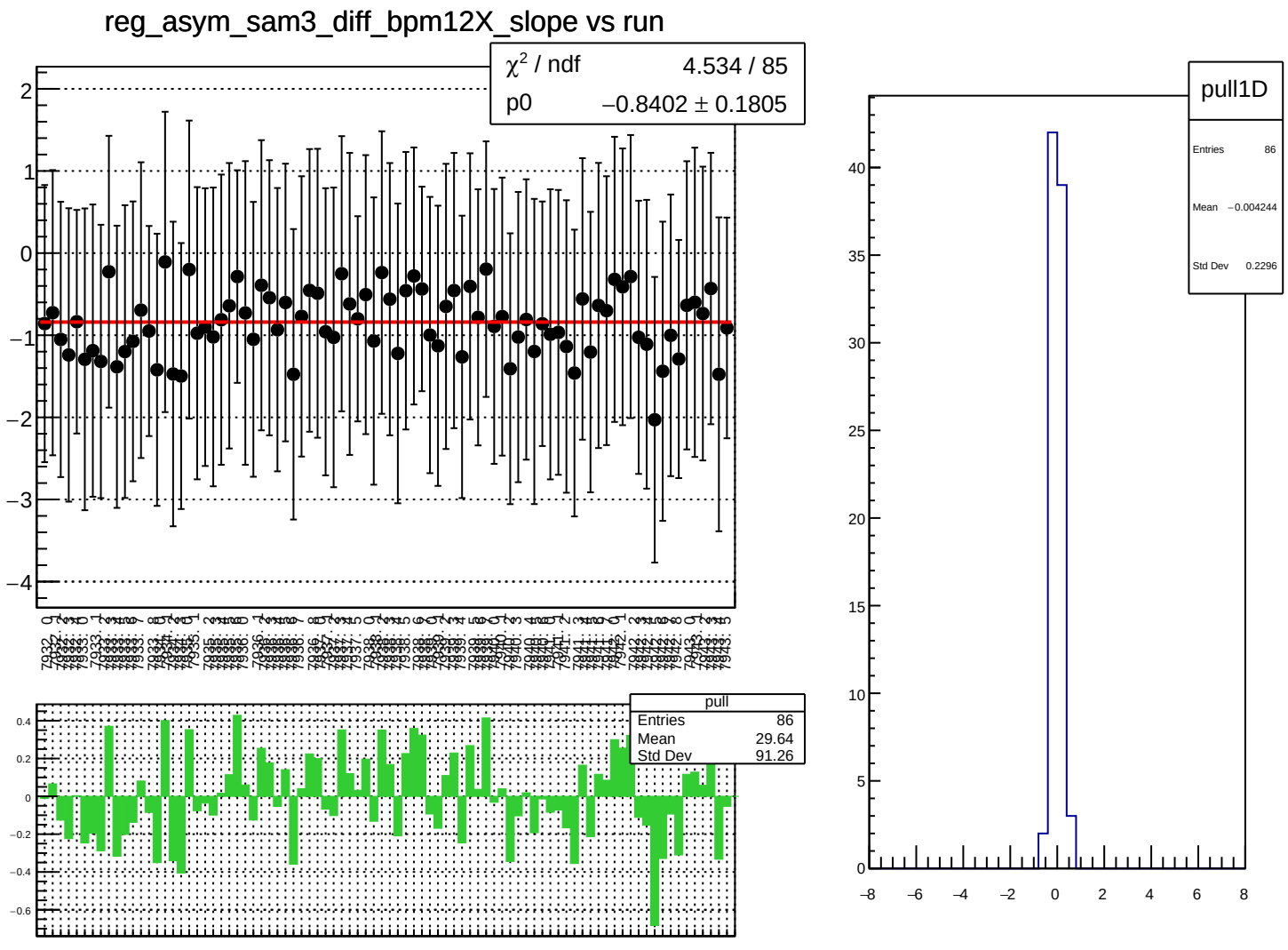

pull1D
Entries 86
Mean 4.235e−05
Std Dev 0.2123

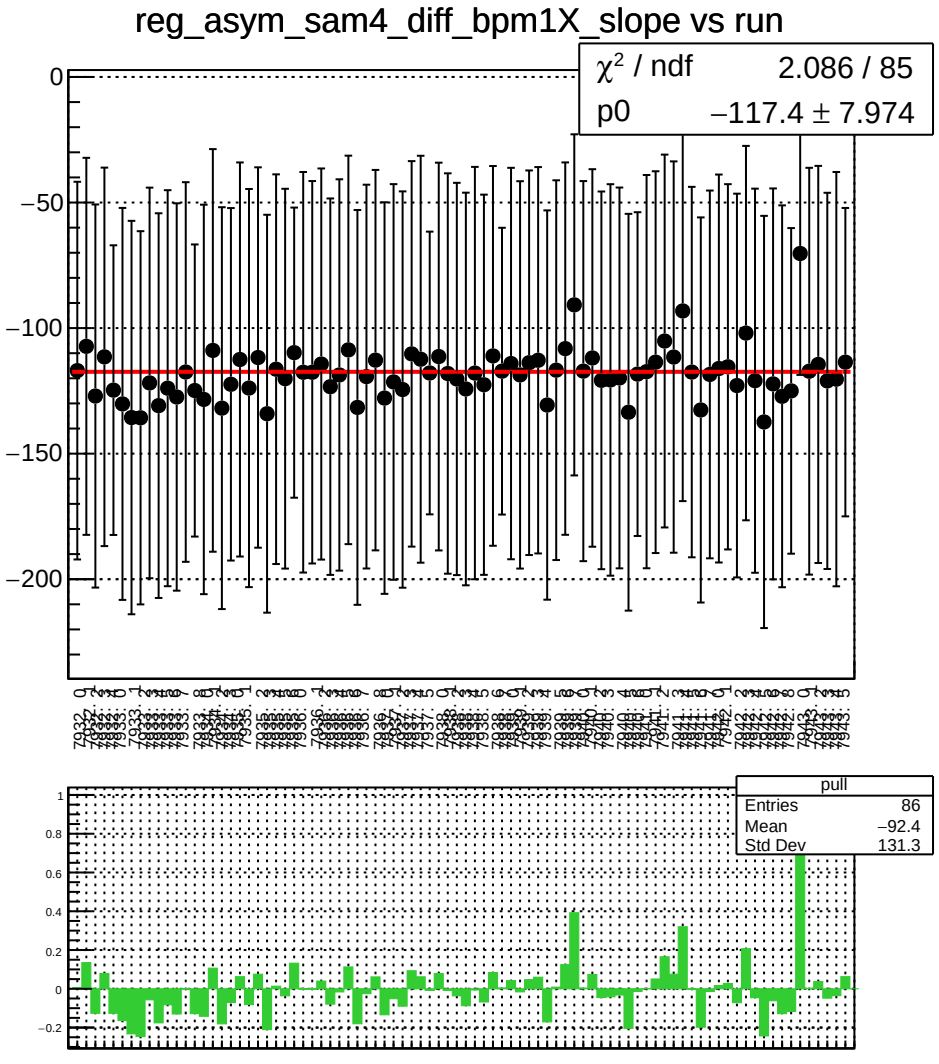

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 2.956 / 85
p0 −34.24 ± 4.821
pull
Entries 86
Mean 100.2
Std Dev 34

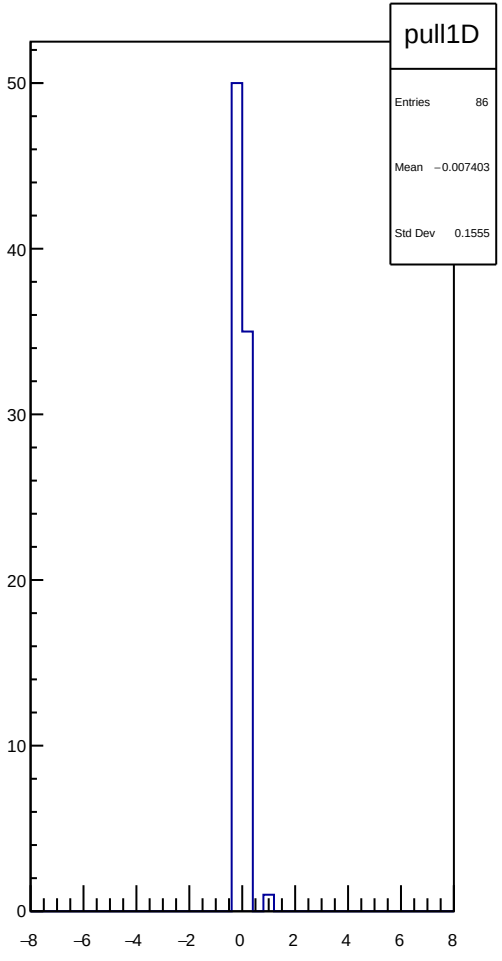

pull1D
Entries 86
Mean 0.004249
Std Dev 0.1853

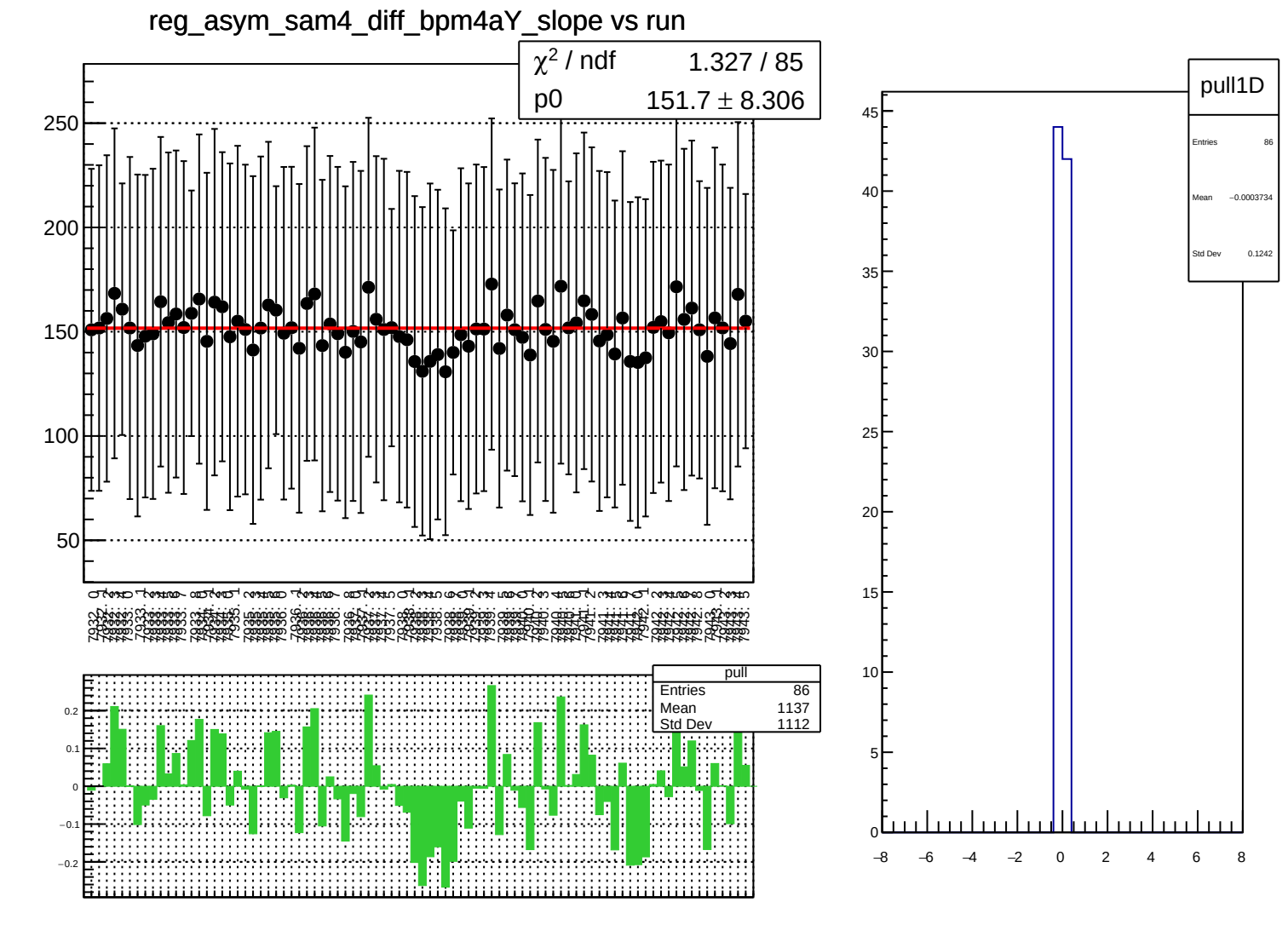

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 3.897 / 85
p0 17.01 ± 6.433
100
50
0
−50
−100
pull
Entries 86
Mean 5703
Std Dev 5640
0.4
0.2
0
−0.2
−0.4

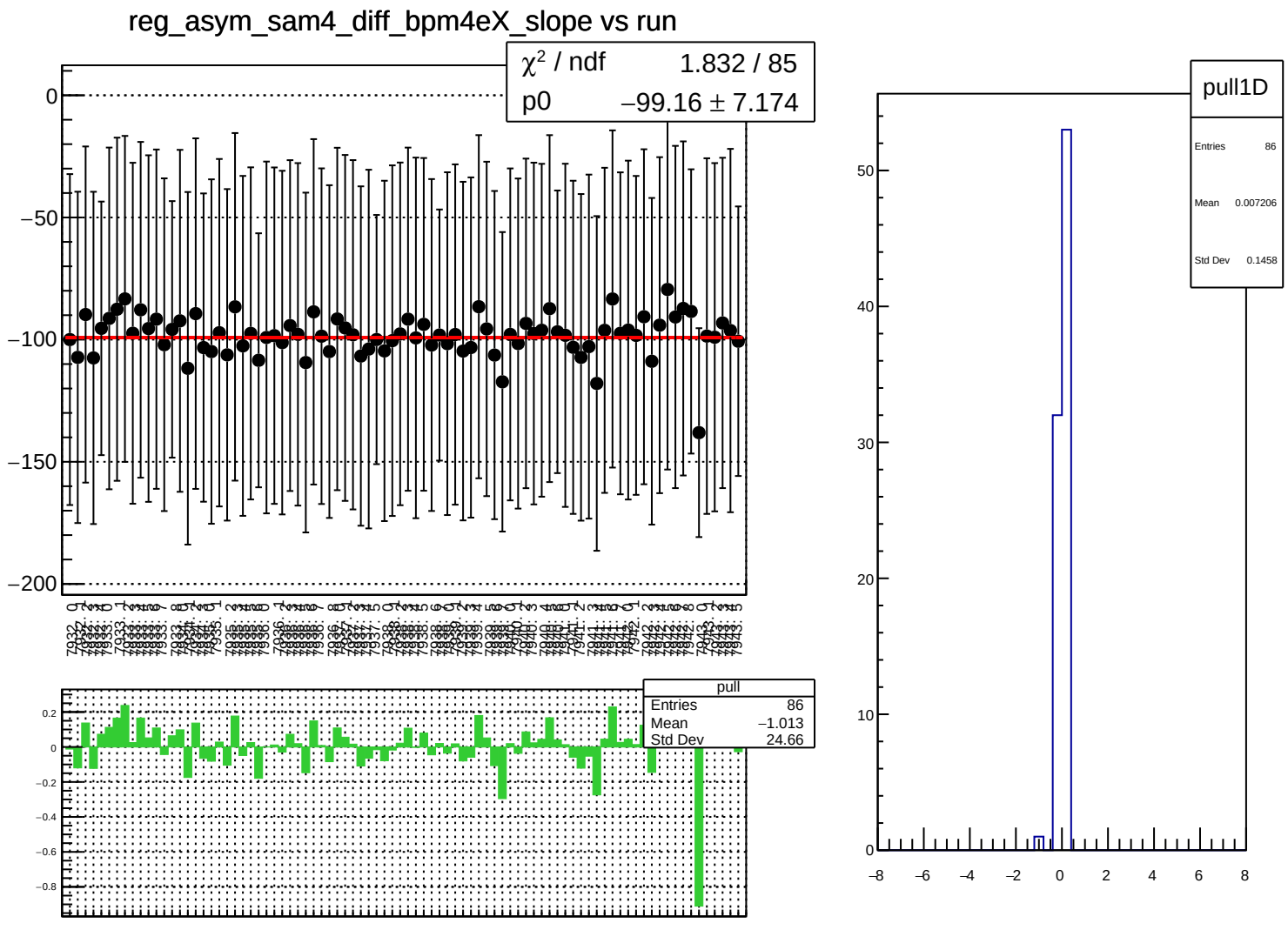

pull1D
Entries 86
Mean −0.000138
Std Dev 0.2129
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

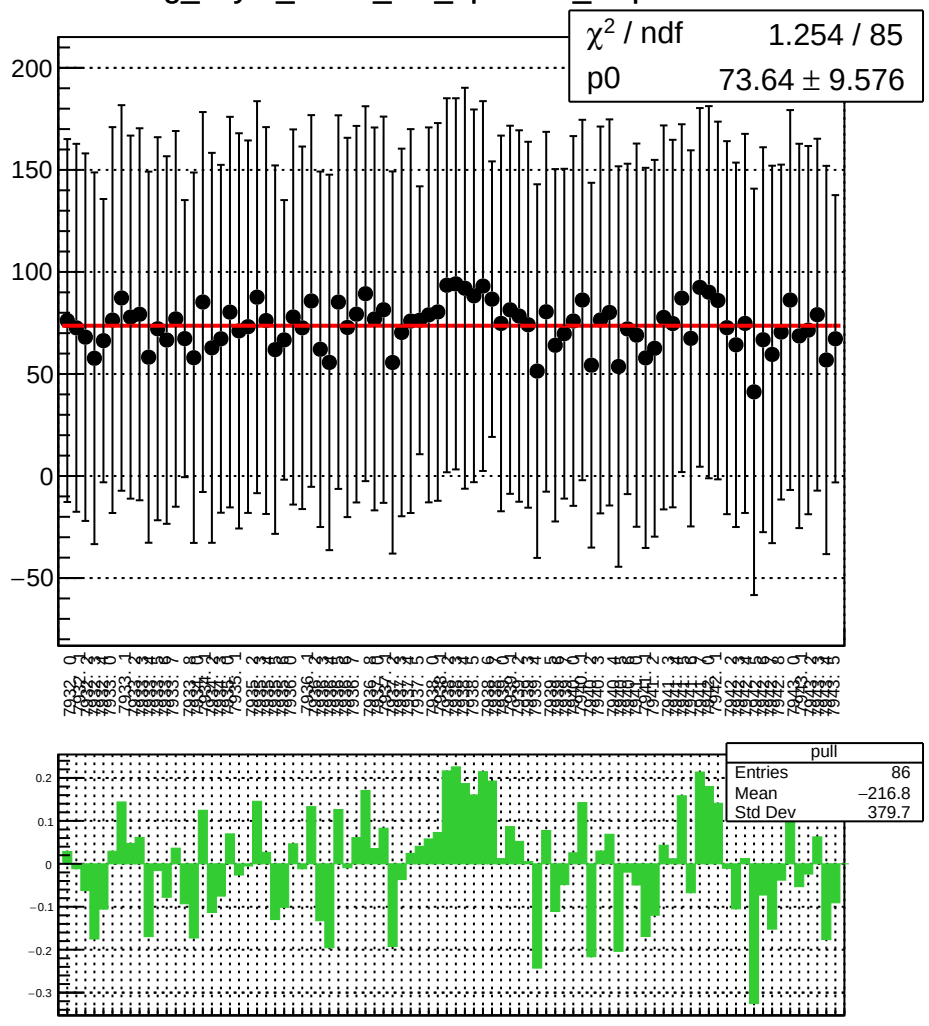

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 4.534 / 85
p0 −0.8402 ± 0.1805
pull
Entries 86
Mean 29.64
Std Dev 91.26
pull1D
Entries 86
Mean −0.004244
Std Dev 0.2296

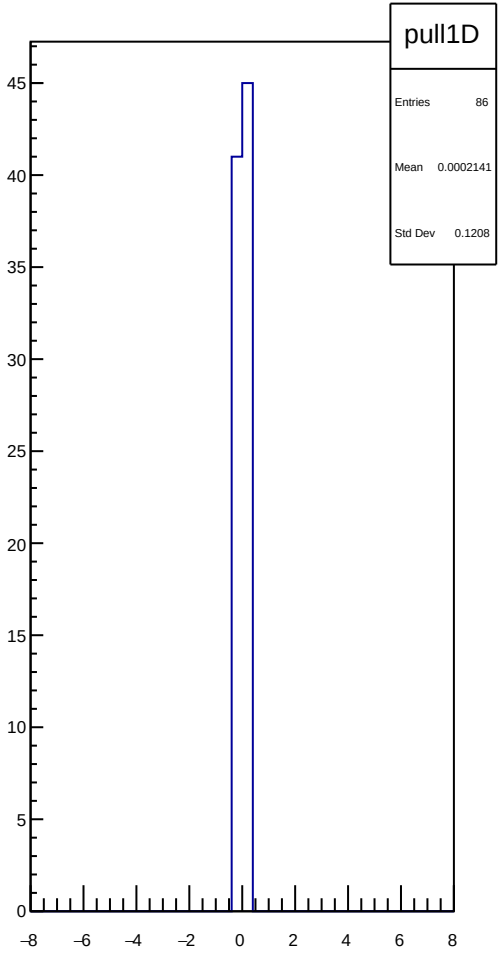

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 2.086 / 85
p0 −117.4 ± 7.974
pull
Entries 86
Mean −92.4
Std Dev 131.3

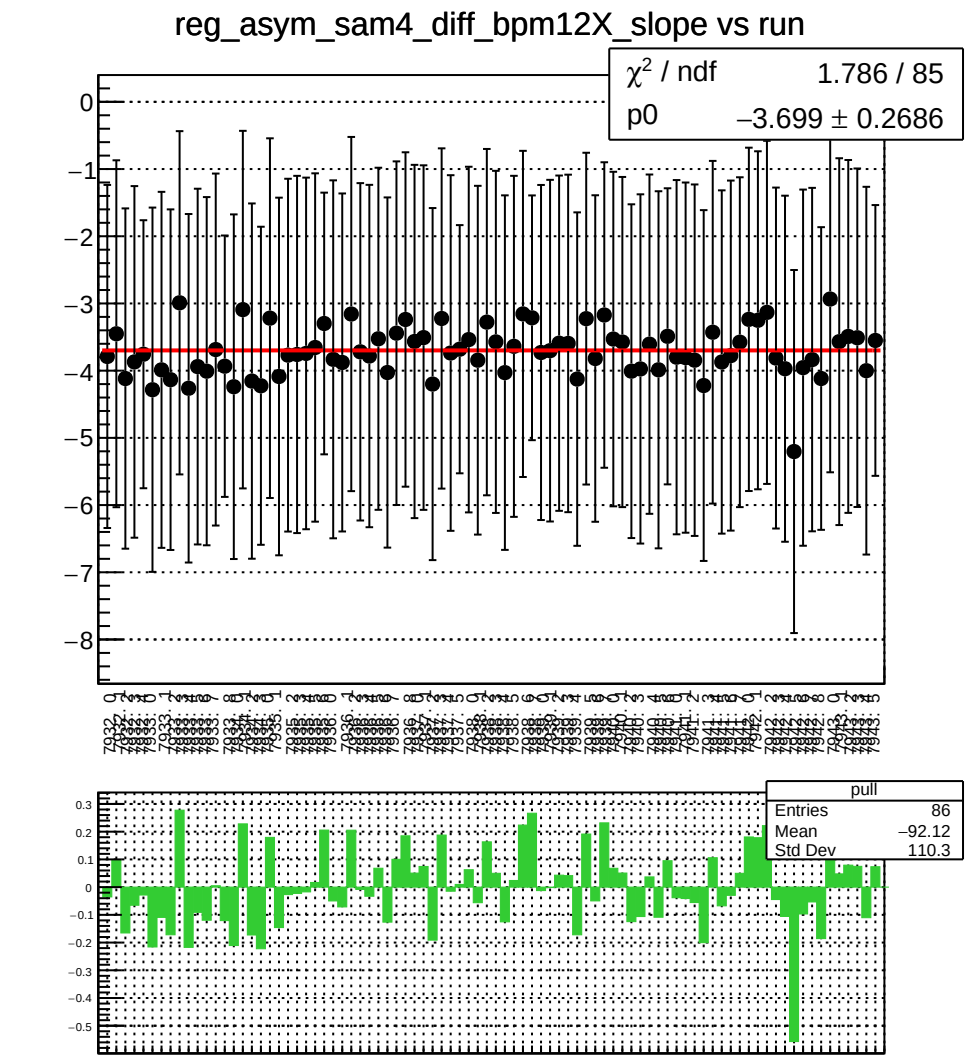

pull1D
Entries 86
Mean −0.007403
Std Dev 0.1555

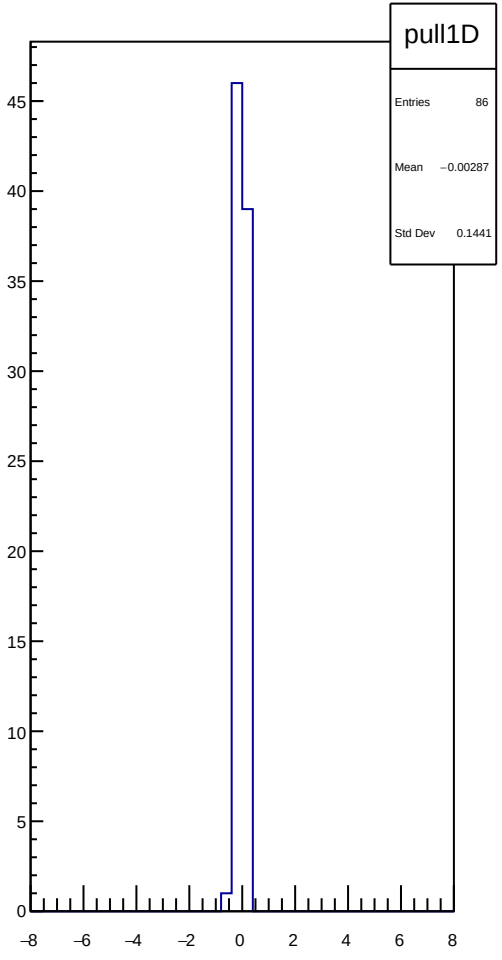

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 1.327 / 85
p0 151.7 ± 8.306
250
200
150
100
50
pull
Entries 86
Mean 1137
Std Dev 1112
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 86
Mean −0.0003734
Std Dev 0.1242
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

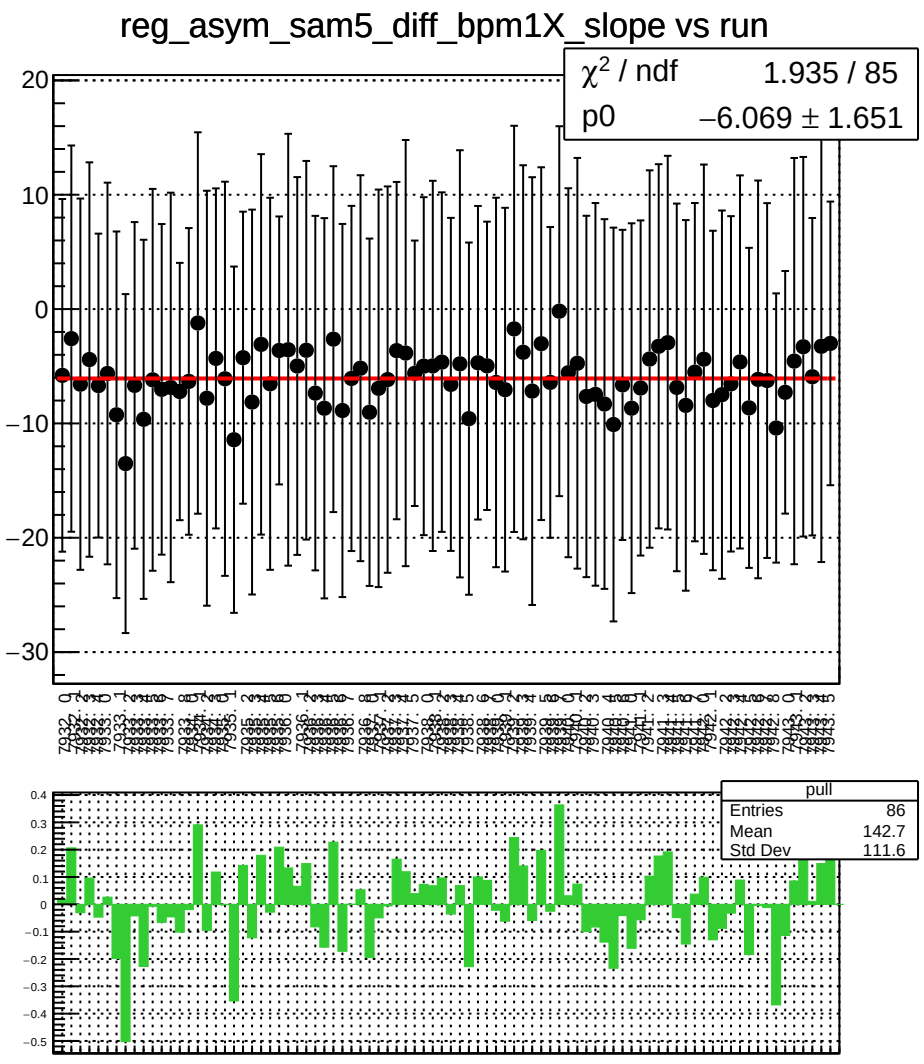

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.832 / 85
p0 −99.16 ± 7.174
pull
Entries 86
Mean −1.013
Std Dev 24.66
pull1D
Entries 86
Mean 0.007206
Std Dev 0.1458

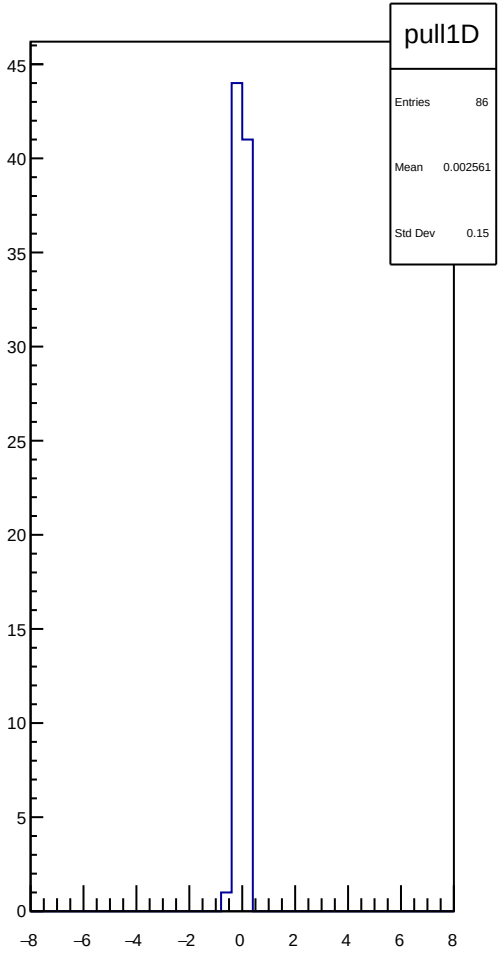

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 1.254 / 85
p0 73.64 ± 9.576
pull
Entries 86
Mean −216.8
Std Dev 379.7

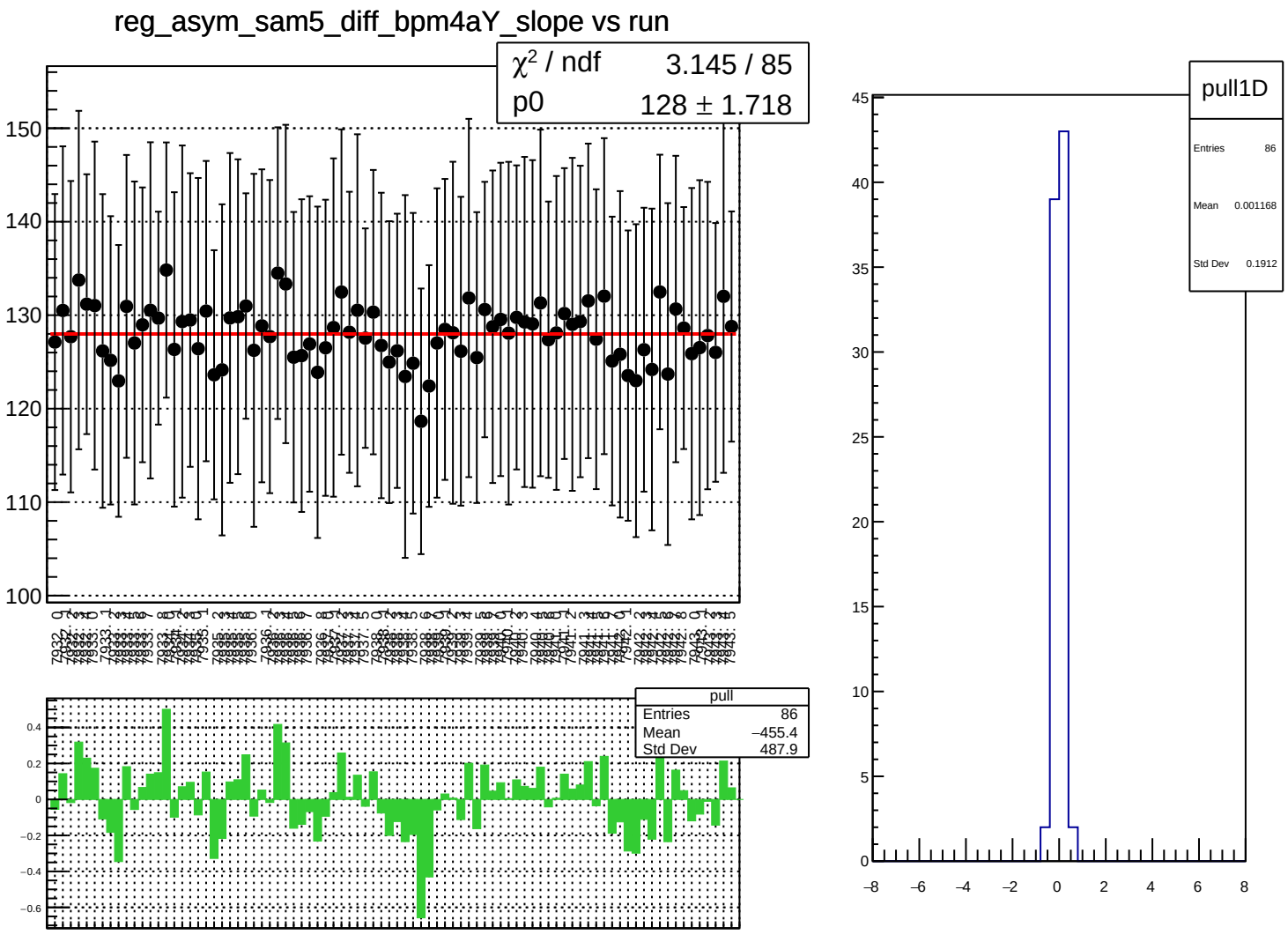

pull1D
Entries 86
Mean 0.0002141
Std Dev 0.1208

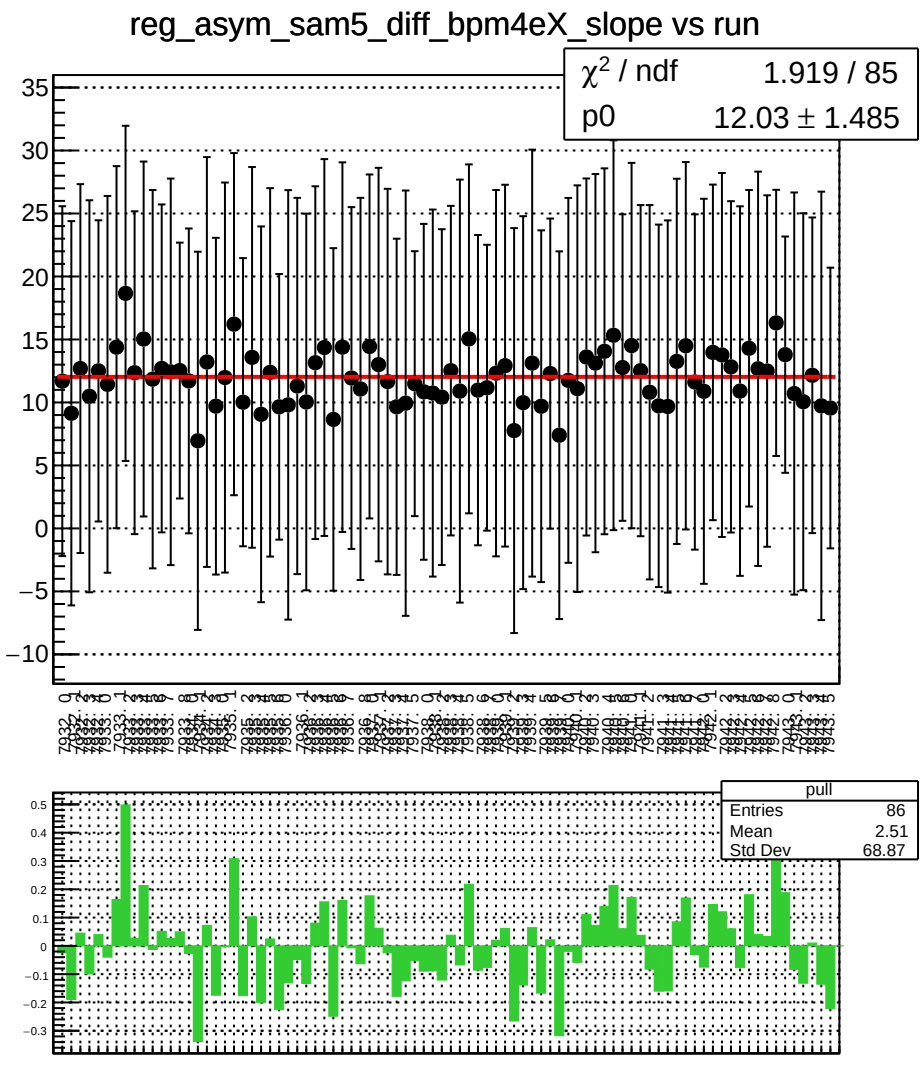

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 1.786 / 85
p0 −3.699 ± 0.2686
pull
Entries 86
Mean −92.12
Std Dev 110.3

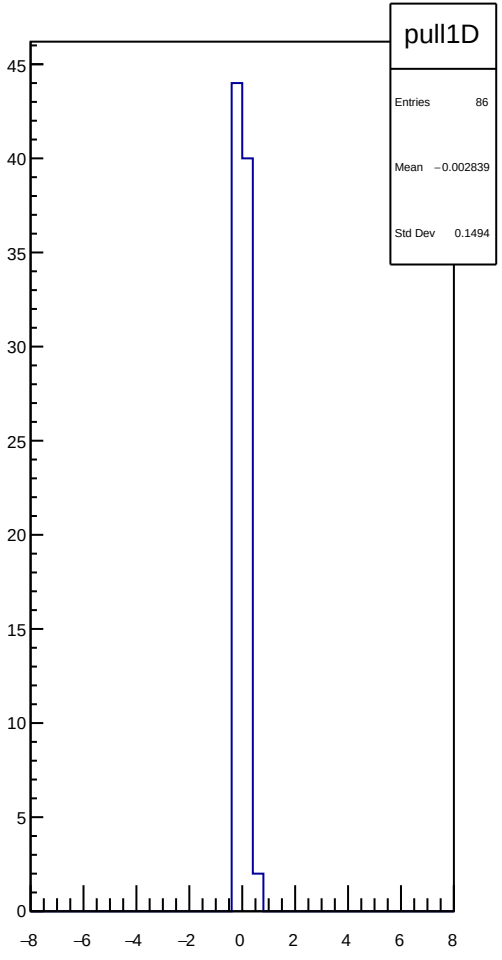

pull1D
Entries 86
Mean −0.00287
Std Dev 0.1441

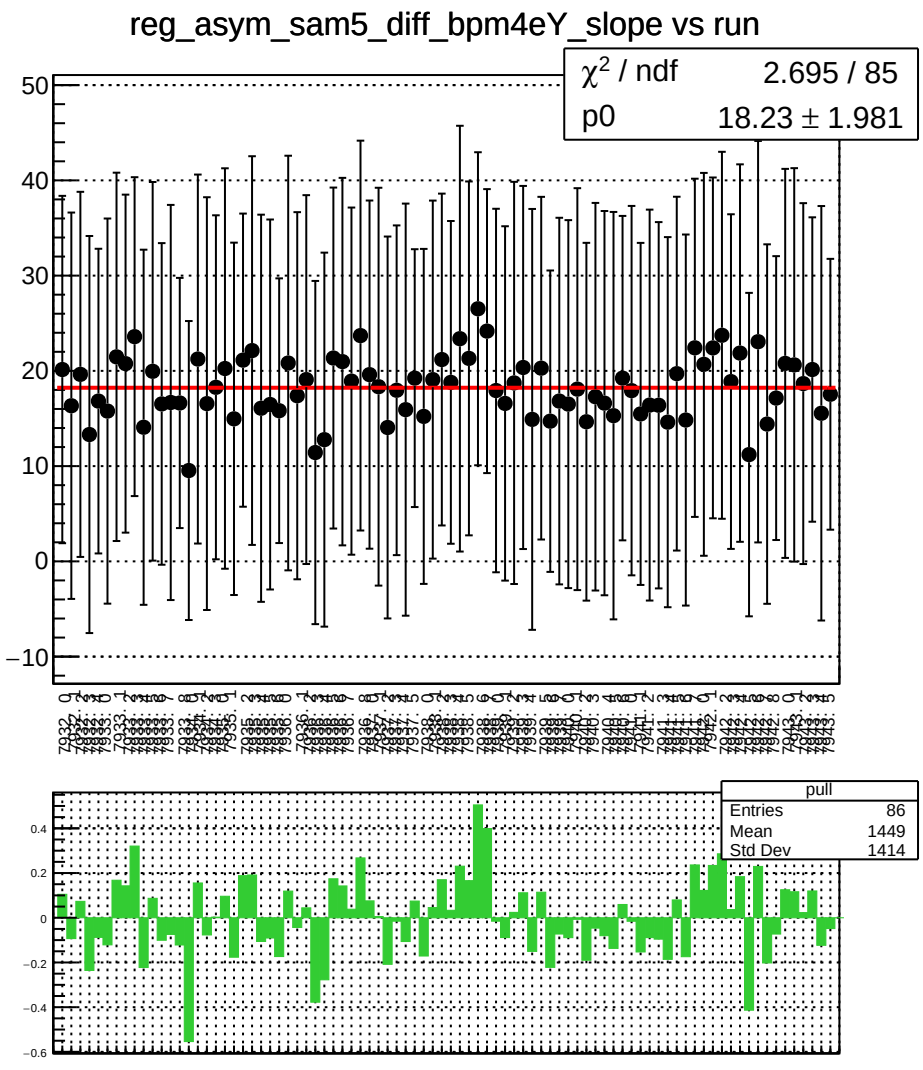

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 1.935 / 85
p0 −6.069 ± 1.651
pull
Entries 86
Mean 142.7
Std Dev 111.6

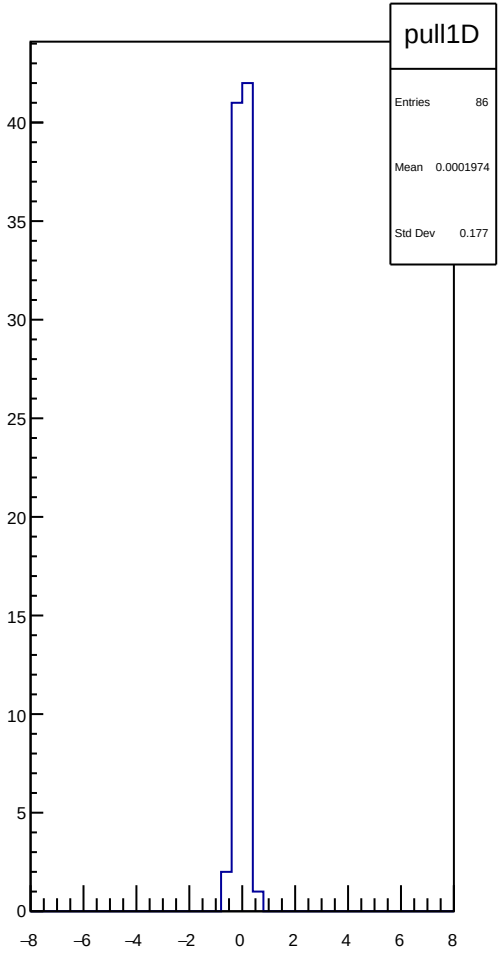

pull1D
Entries 86
Mean 0.002561
Std Dev 0.15

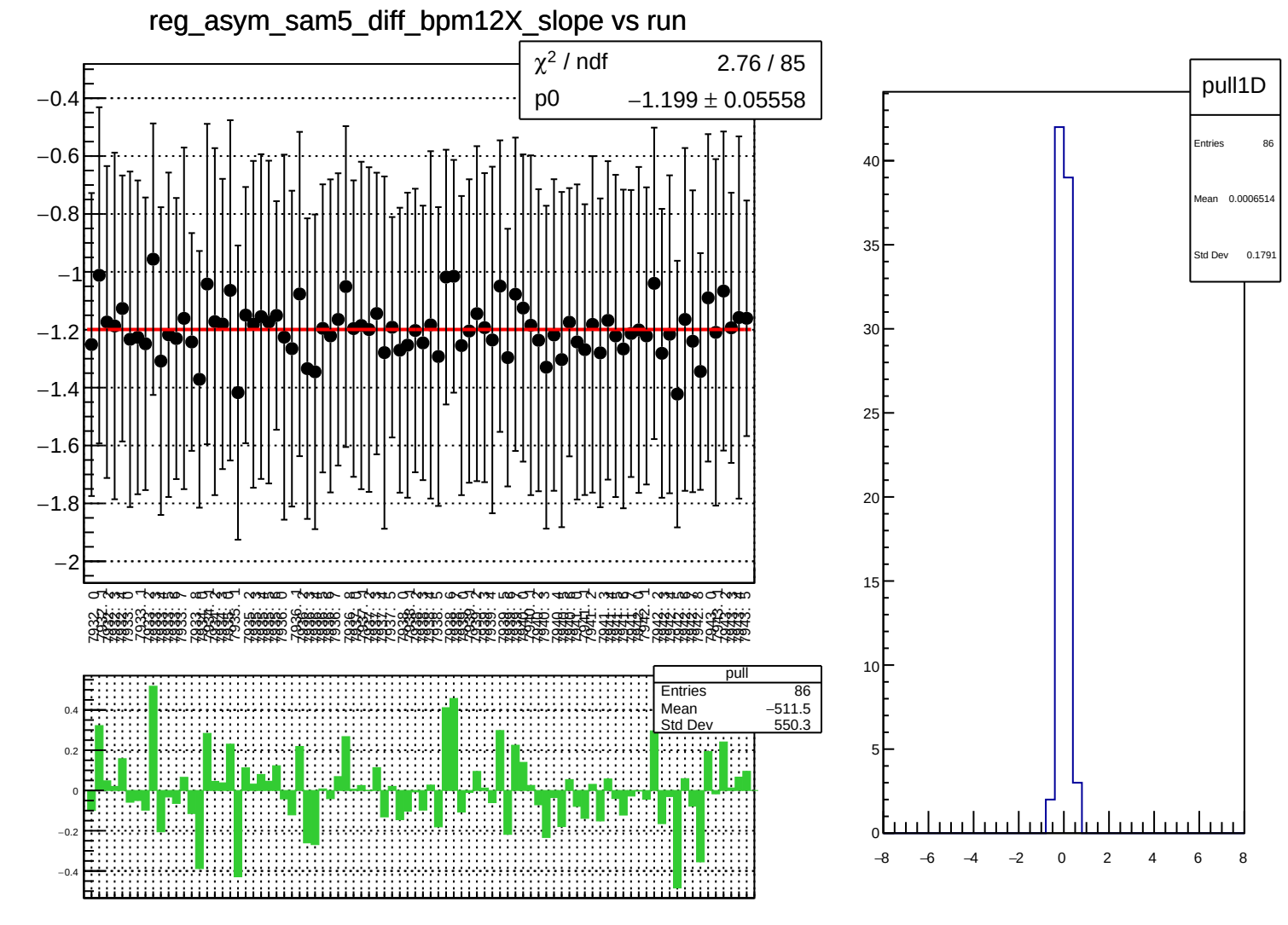

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 3.145 / 85
p0 128 ± 1.718
pull
Entries 86
Mean −455.4
Std Dev 487.9
pull1D
Entries 86
Mean 0.001168
Std Dev 0.1912

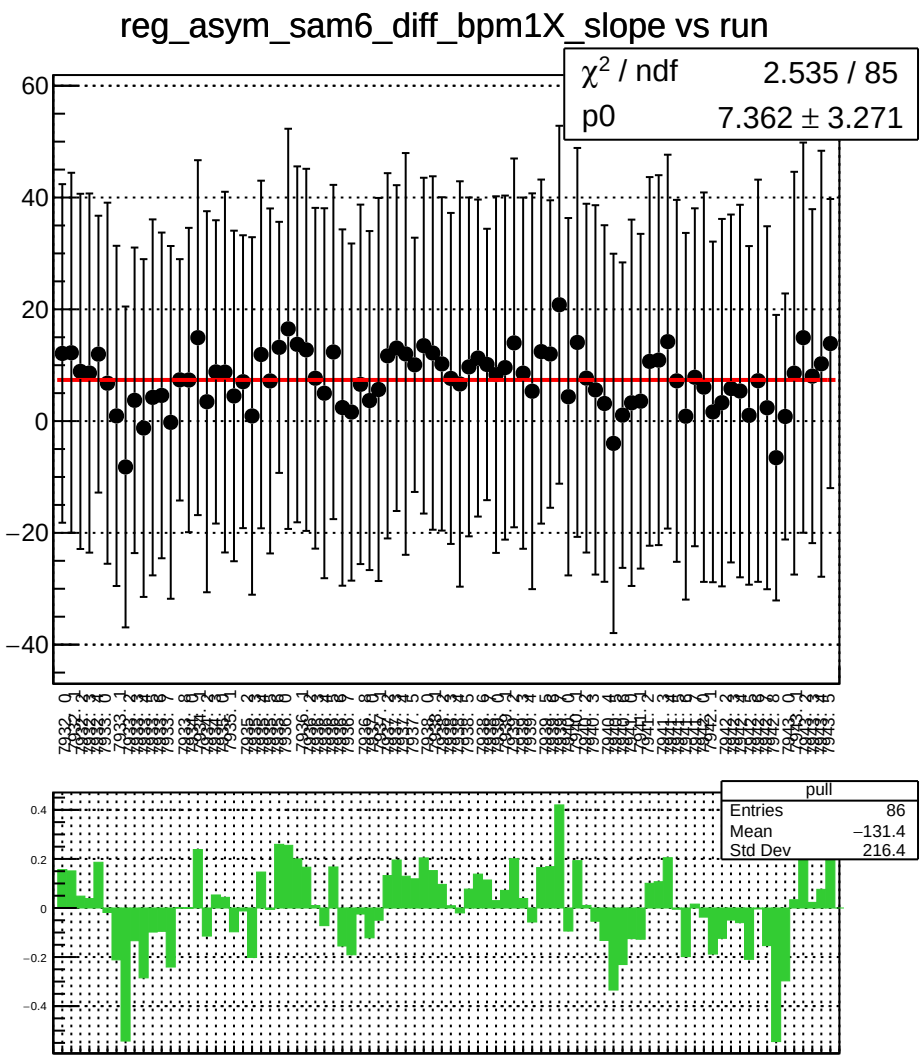

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 1.919 / 85
p0 12.03 ± 1.485
pull
Entries 86
Mean 2.51
Std Dev 68.87

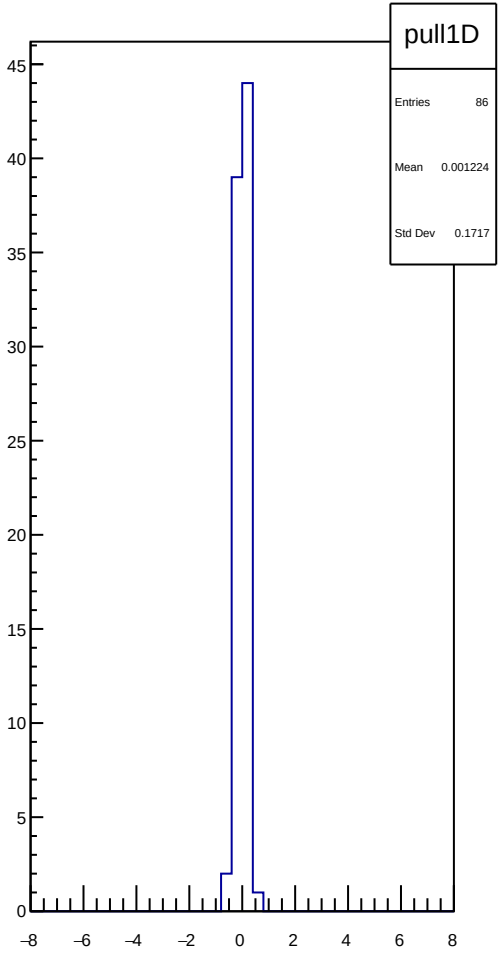

pull1D
Entries 86
Mean −0.002839
Std Dev 0.1494

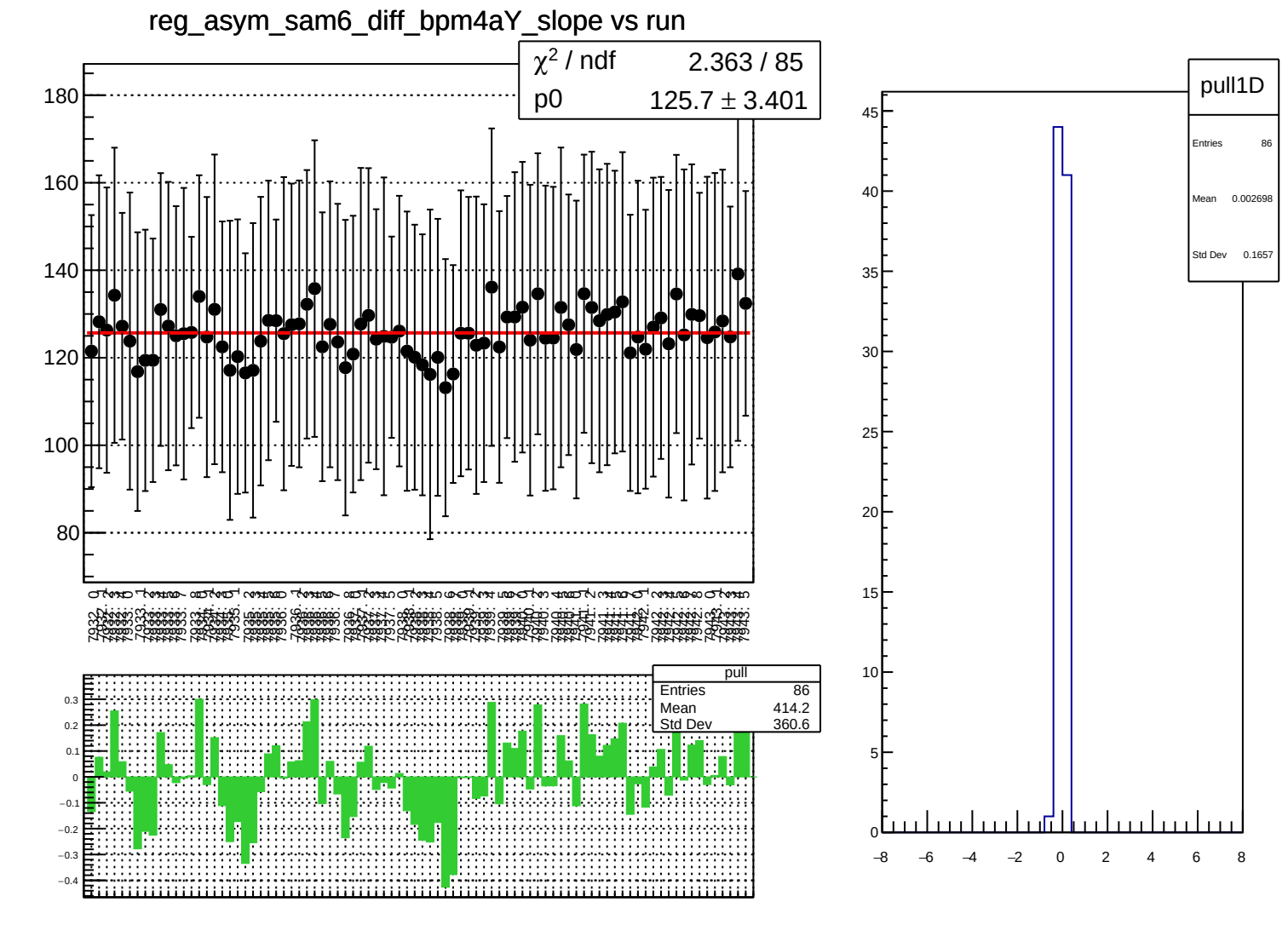

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 2.695 / 85
p0 18.23 ± 1.981
pull
Entries 86
Mean 1449
Std Dev 1414

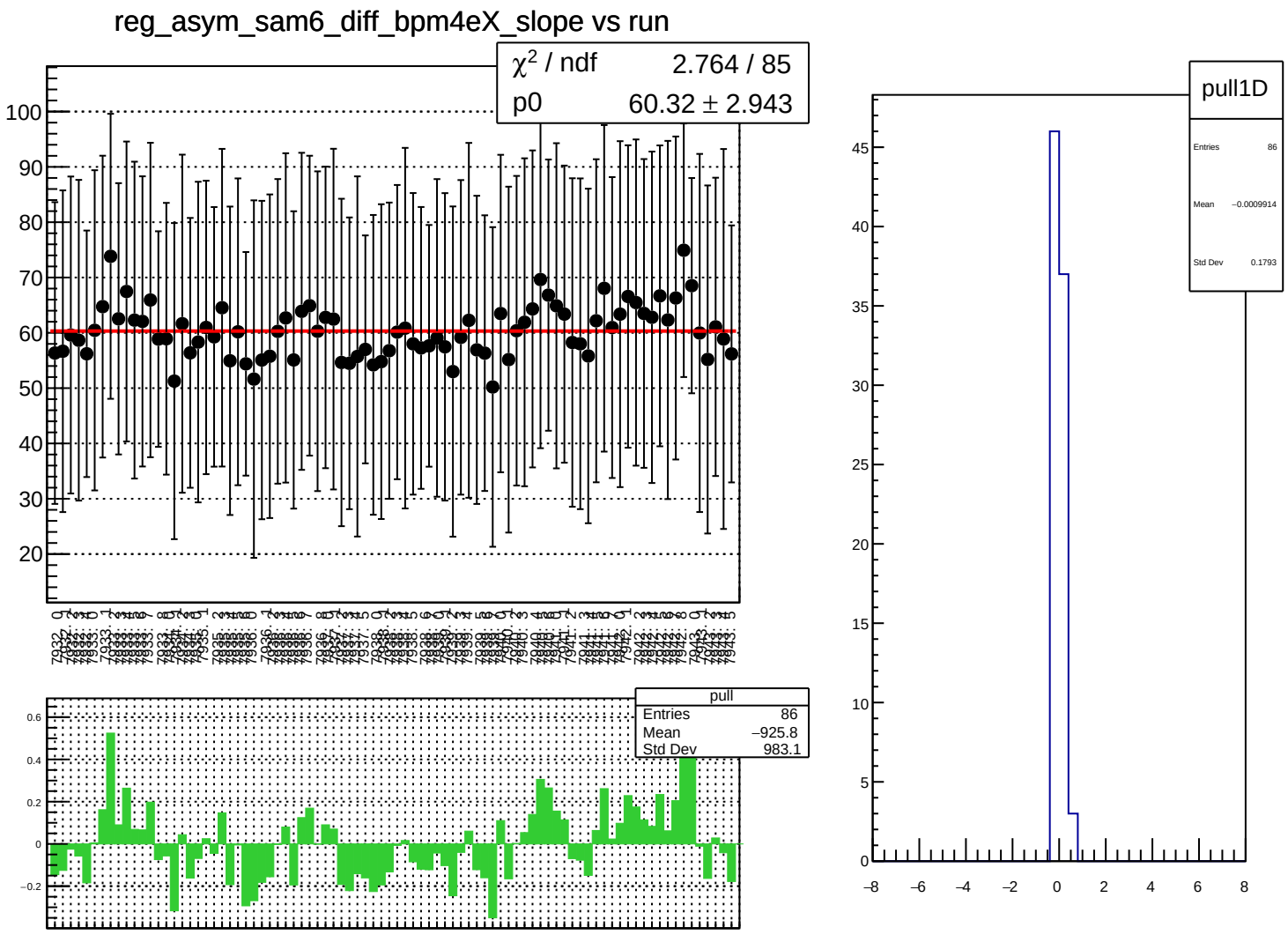

pull1D
Entries 86
Mean 0.0001974
Std Dev 0.177

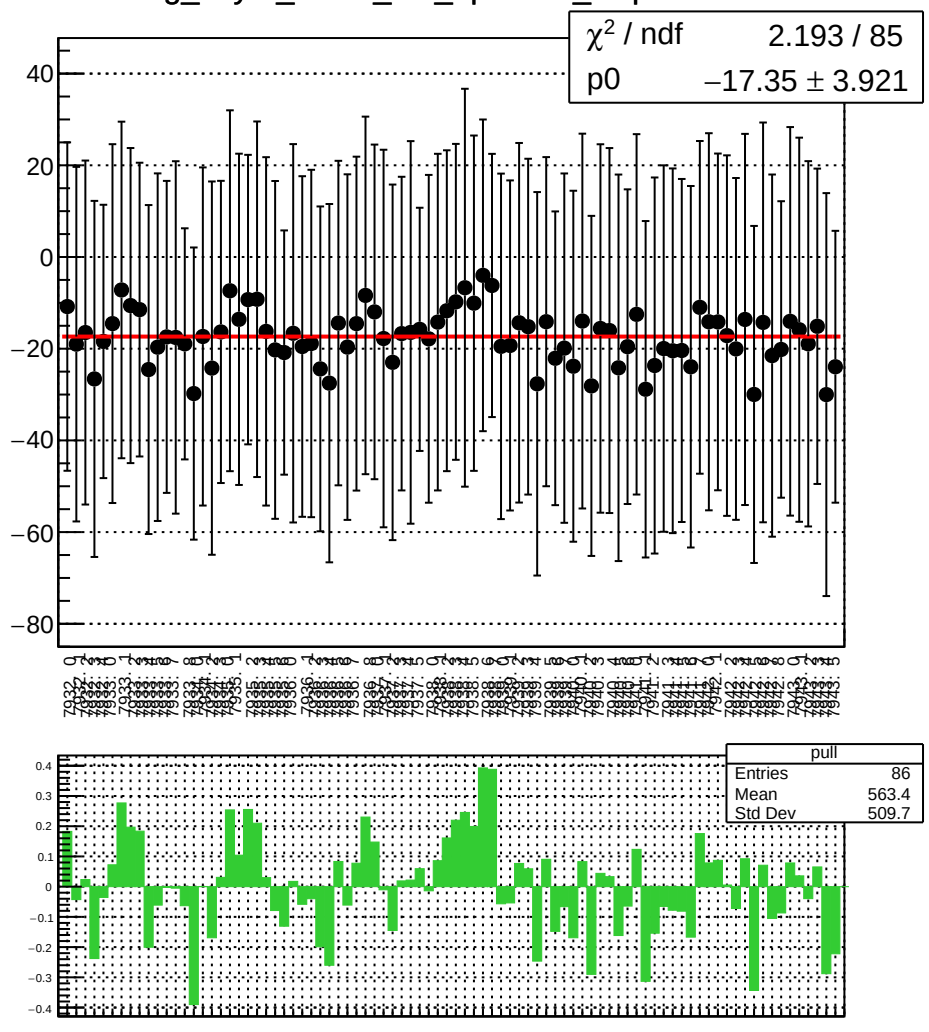

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 2.76 / 85
p0 −1.199 ± 0.05558
pull
Entries 86
Mean −511.5
Std Dev 550.3
pull1D
Entries 86
Mean 0.0006514
Std Dev 0.1791

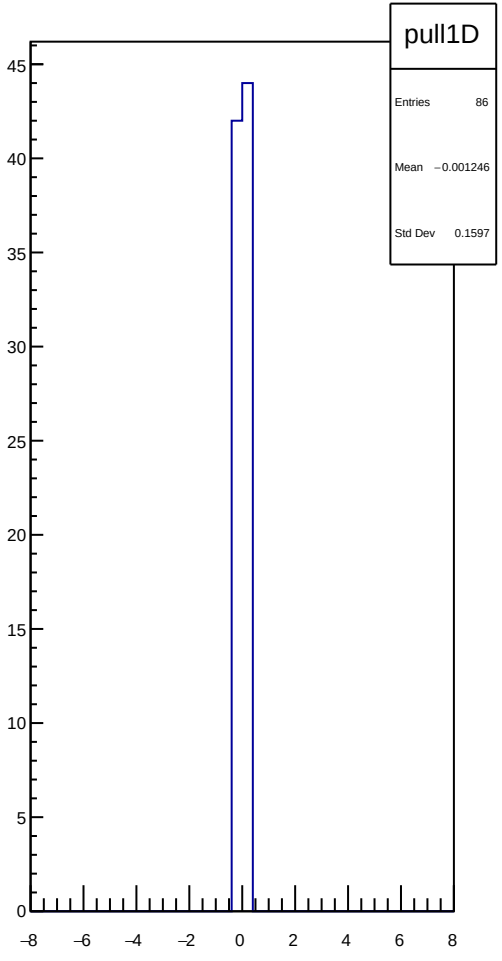

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 2.535 / 85
p0 7.362 ± 3.271
pull
Entries 86
Mean −131.4
Std Dev 216.4

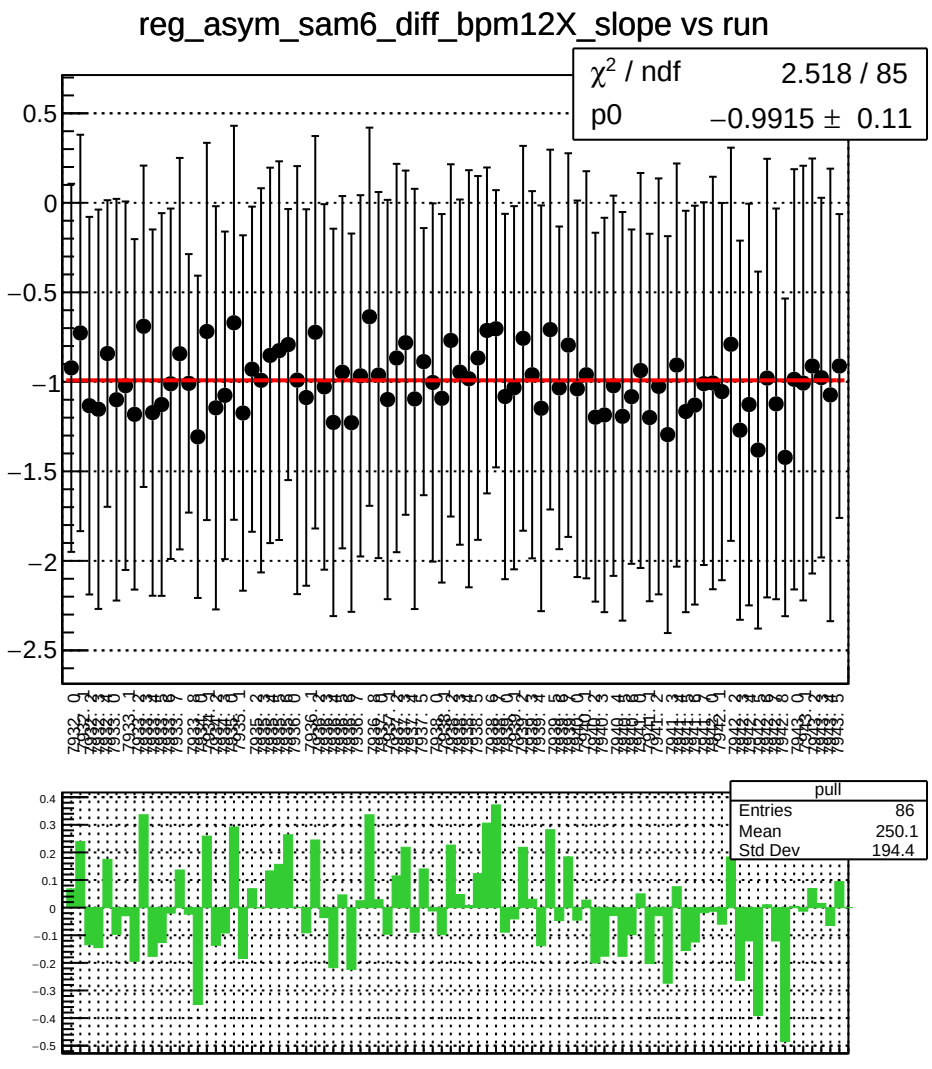

pull1D
Entries 86
Mean 0.001224
Std Dev 0.1717

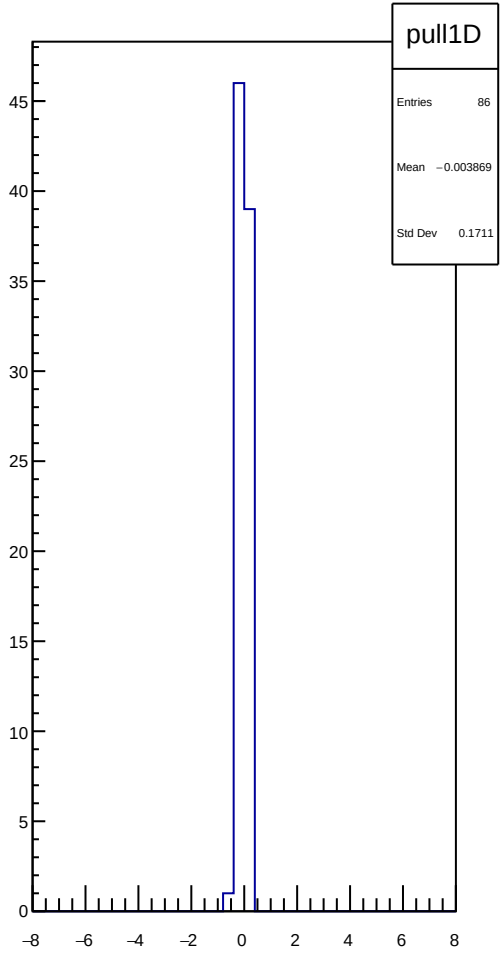

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 2.363 / 85
p0 125.7 ± 3.401
pull
Entries 86
Mean 414.2
Std Dev 360.6
pull1D
Entries 86
Mean 0.002698
Std Dev 0.1657

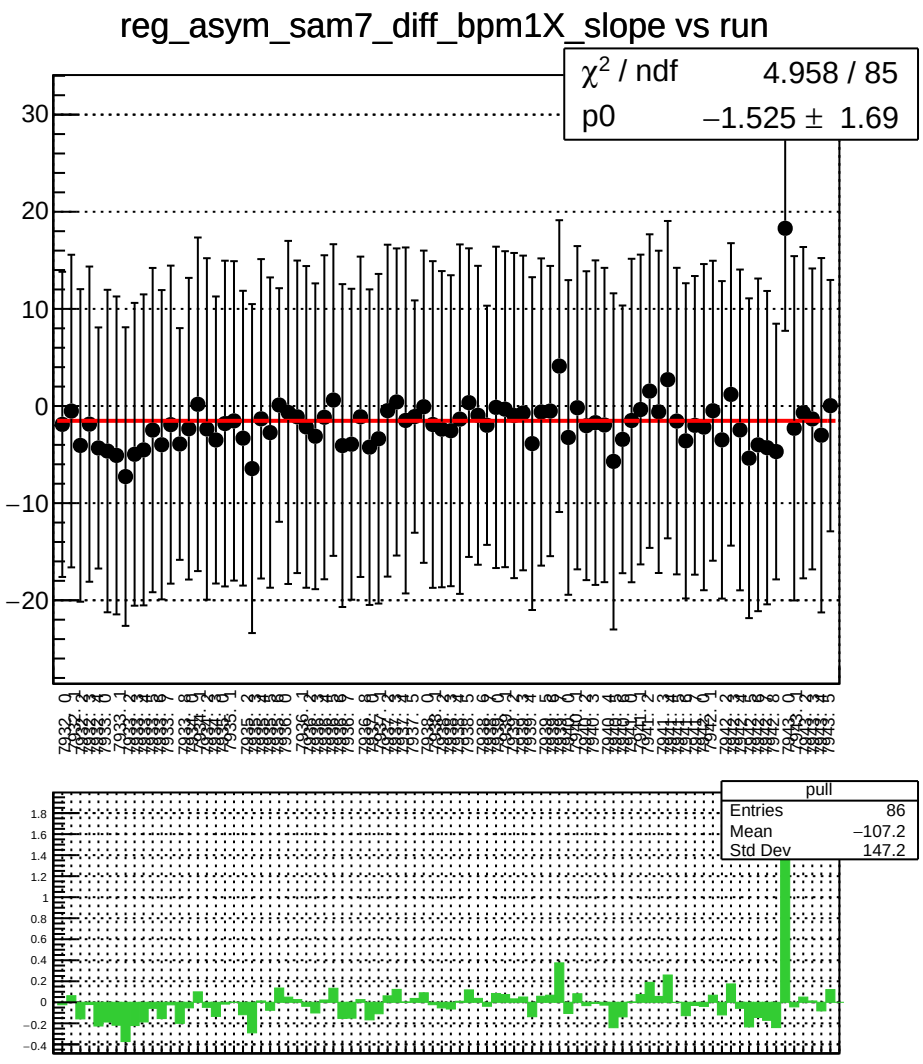

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 2.764 / 85
p0 60.32 ± 2.943
pull
Entries 86
Mean −925.8
Std Dev 983.1
pull1D
Entries 86
Mean −0.0009914
Std Dev 0.1793

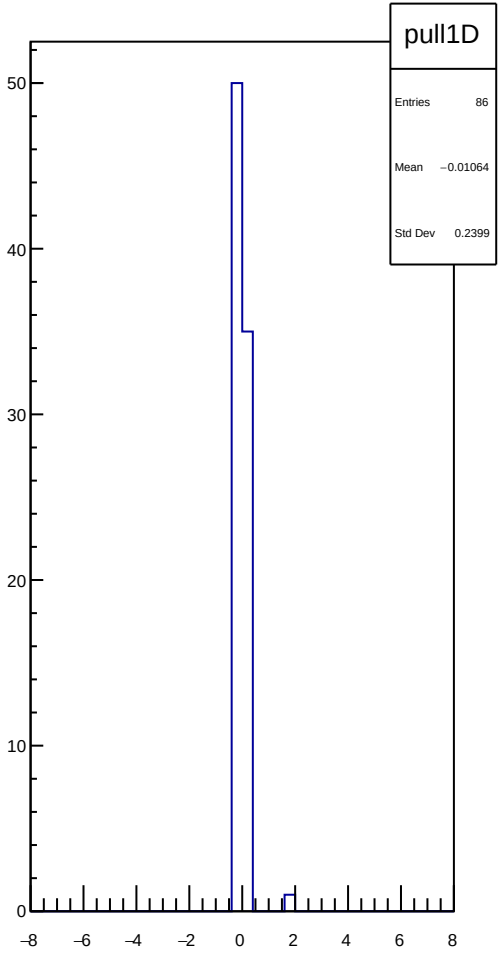

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 2.193 / 85
p0 −17.35 ± 3.921
pull
Entries 86
Mean 563.4
Std Dev 509.7

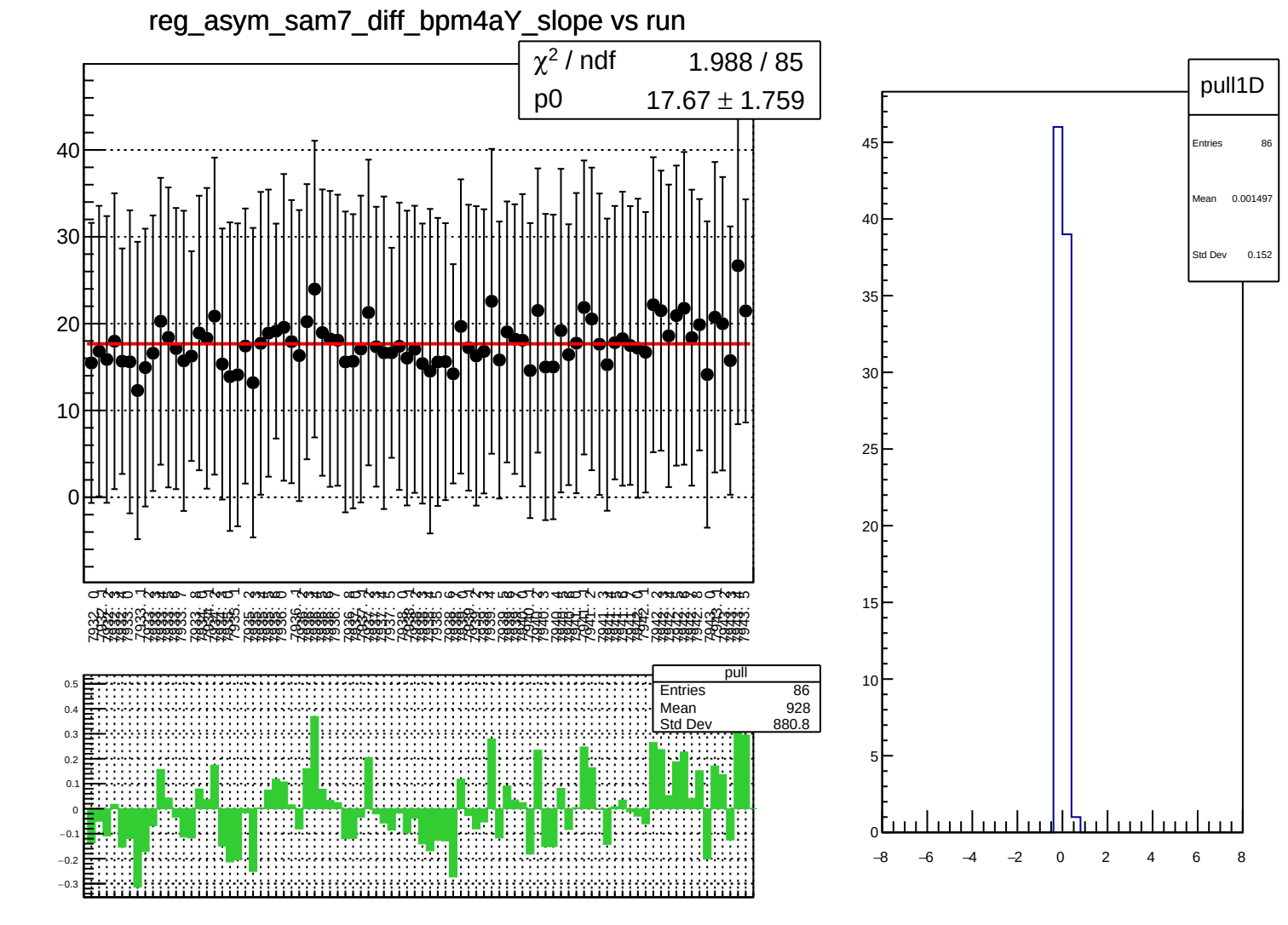

pull1D
Entries 86
Mean −0.001246
Std Dev 0.1597

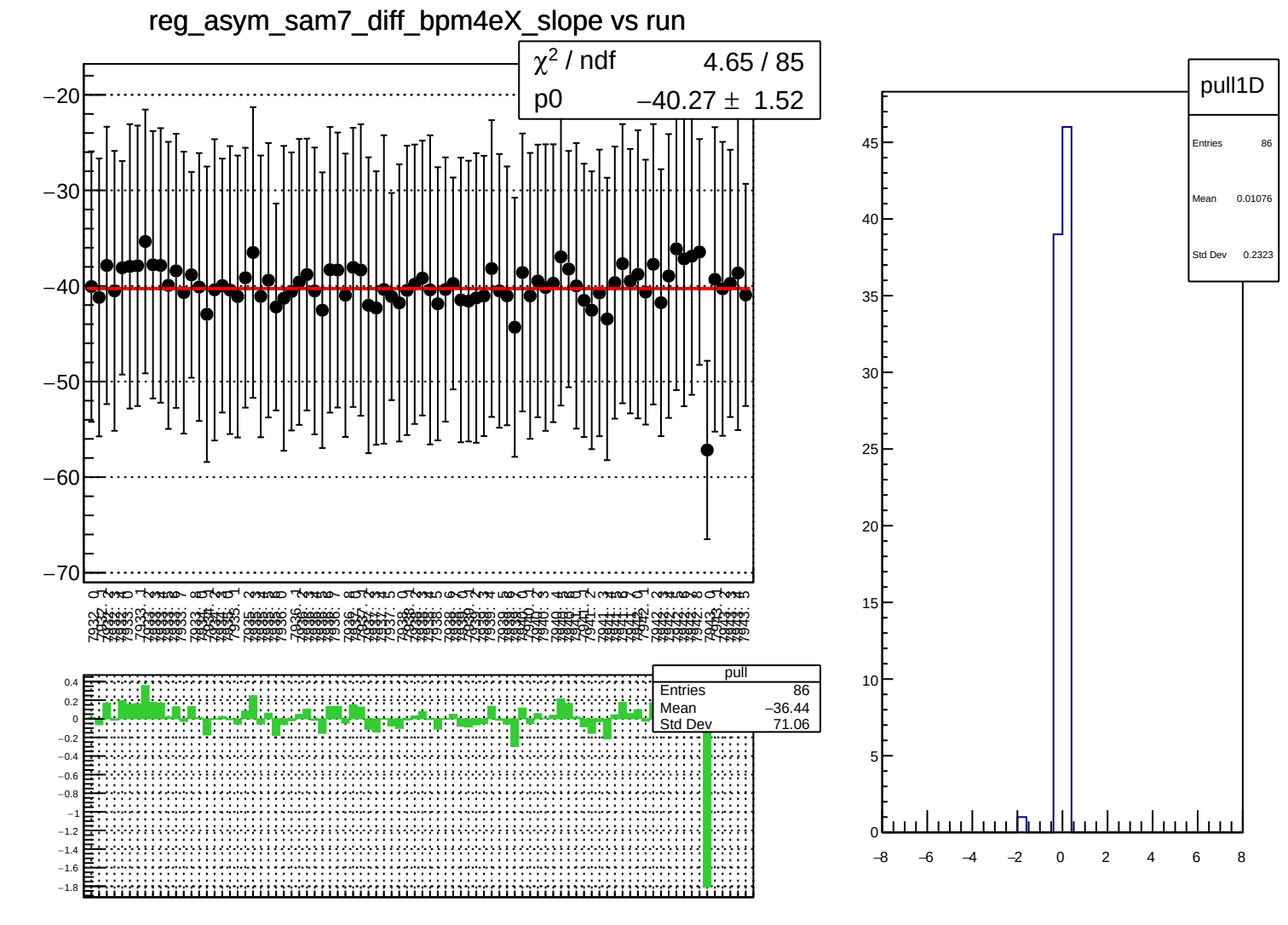

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 2.518 / 85
p0 −0.9915 ± 0.11
pull
Entries 86
Mean 250.1
Std Dev 194.4

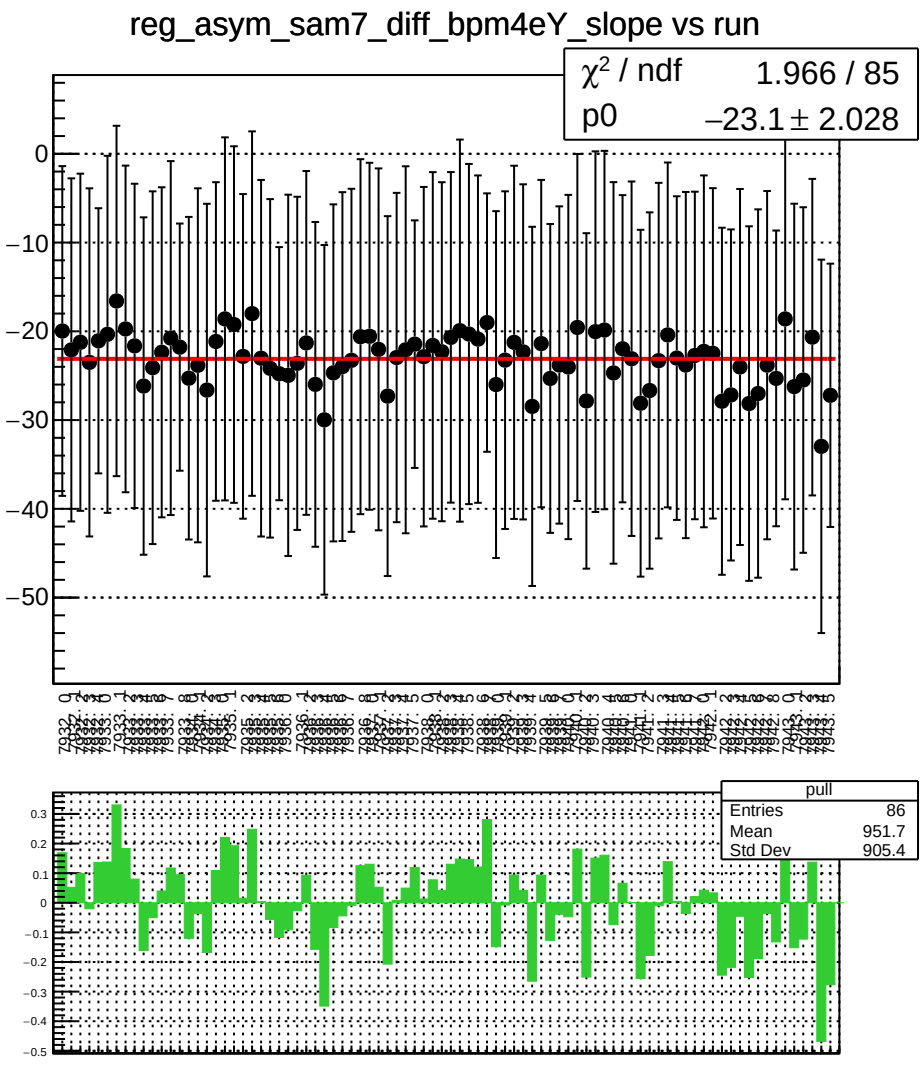

pull1D
Entries 86
Mean −0.003869
Std Dev 0.1711

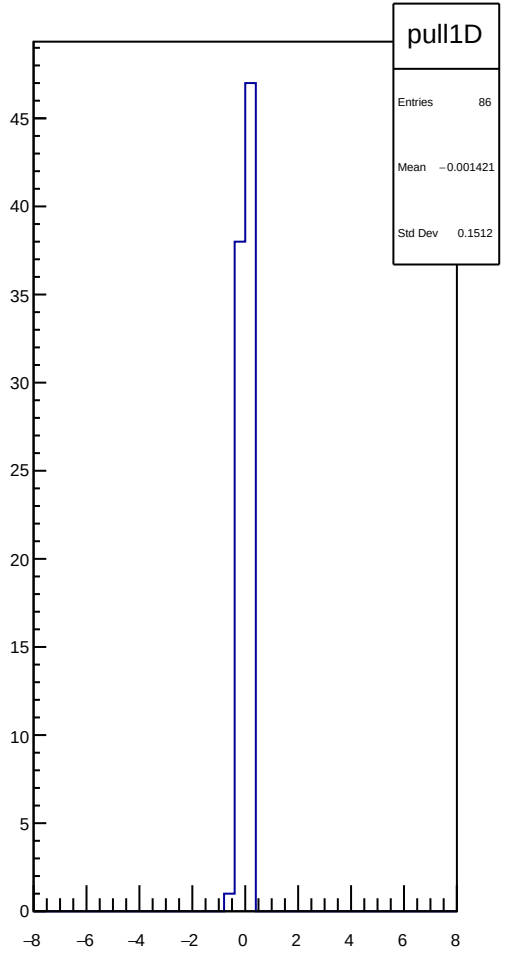

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 4.958 / 85
p0 −1.525 ± 1.69
pull
Entries 86
Mean −107.2
Std Dev 147.2

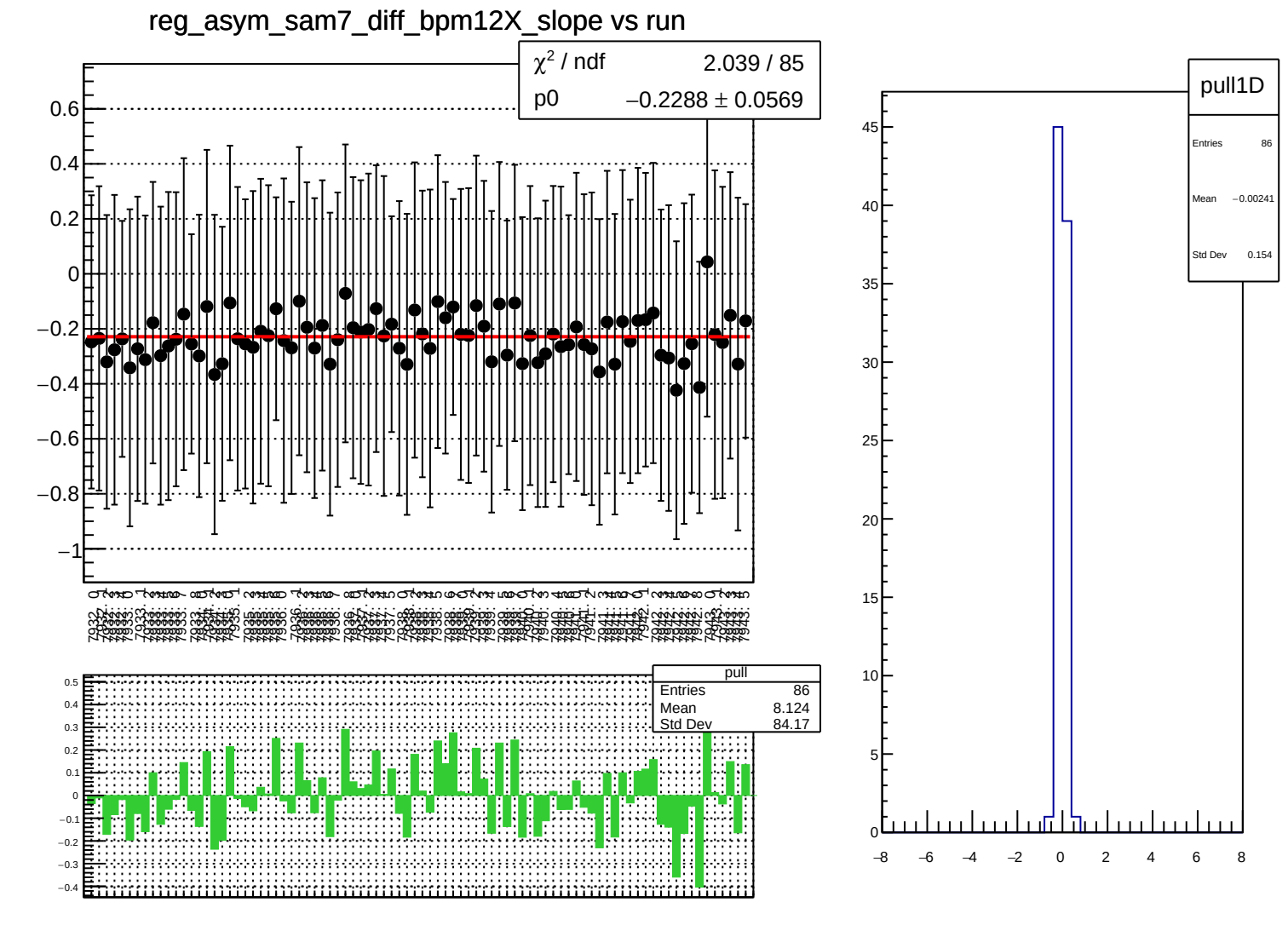

pull1D
Entries 86
Mean −0.01064
Std Dev 0.2399

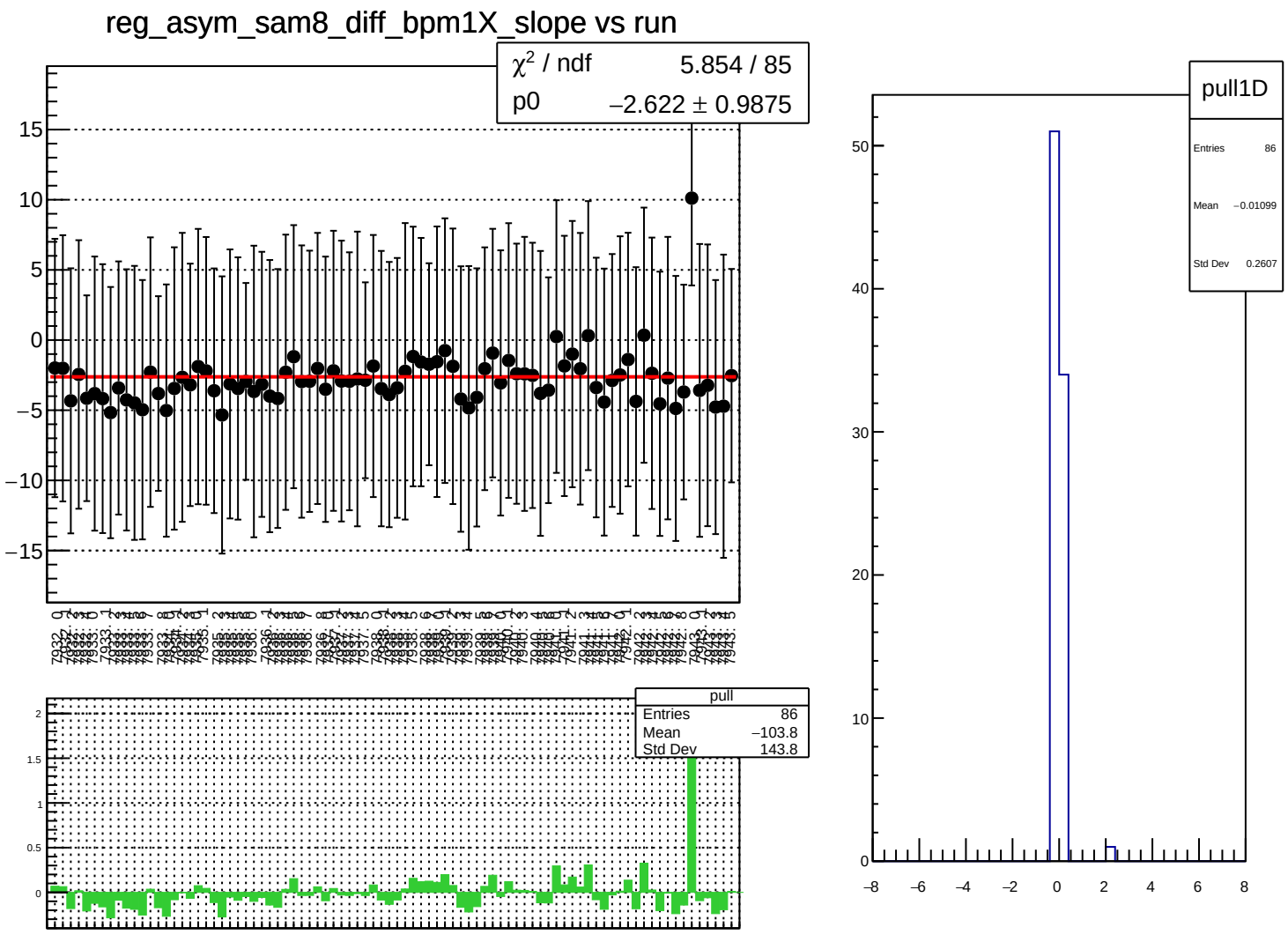

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 1.988 / 85
p0 17.67 ± 1.759
pull
Entries 86
Mean 928
Std Dev 880.8
pull1D
Entries 86
Mean 0.001497
Std Dev 0.152

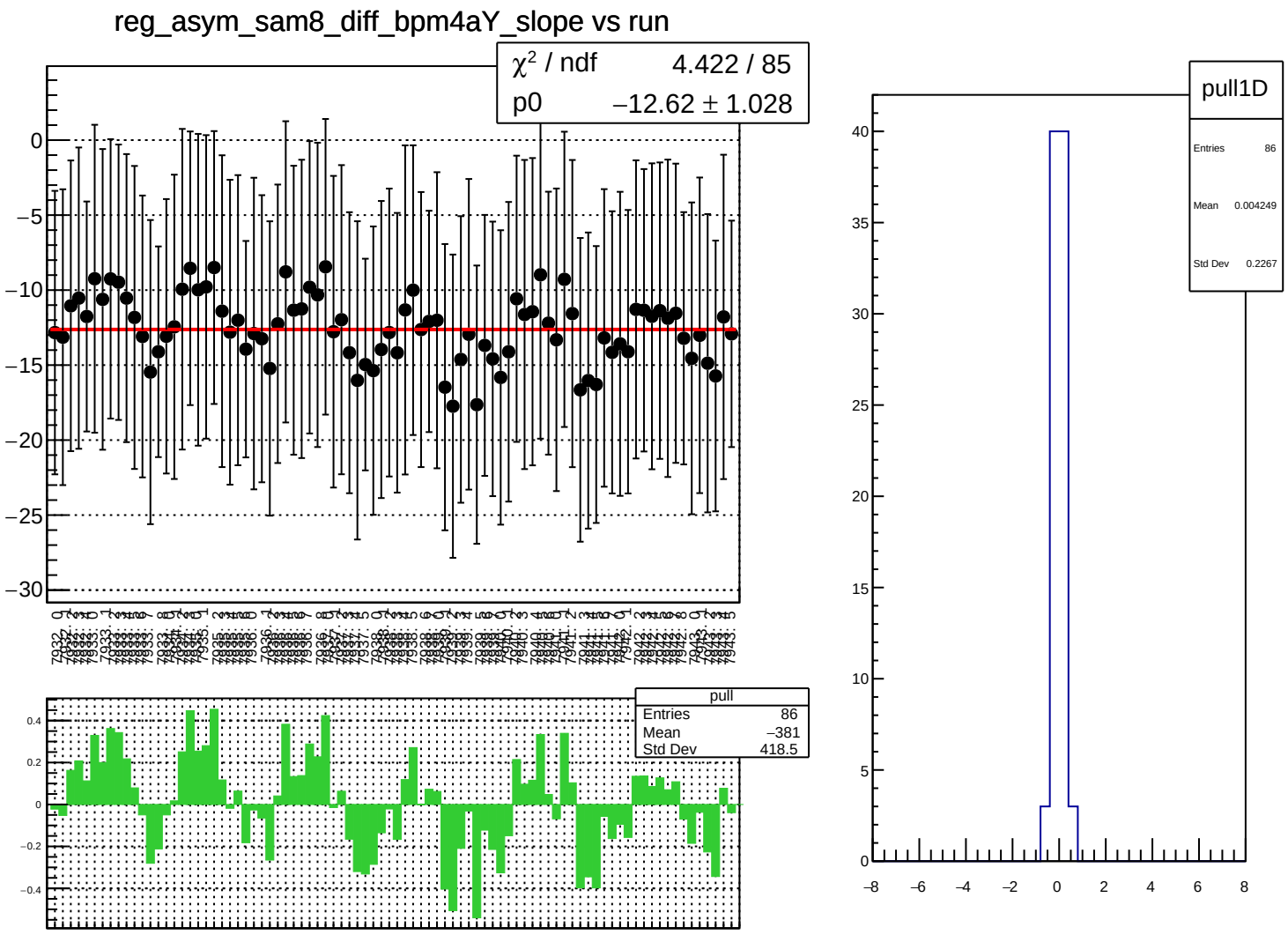

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 4.65 / 85
p0 −40.27 ± 1.52
pull
Entries 86
Mean −36.44
Std Dev 71.06
pull1D
Entries 86
Mean 0.01076
Std Dev 0.2323

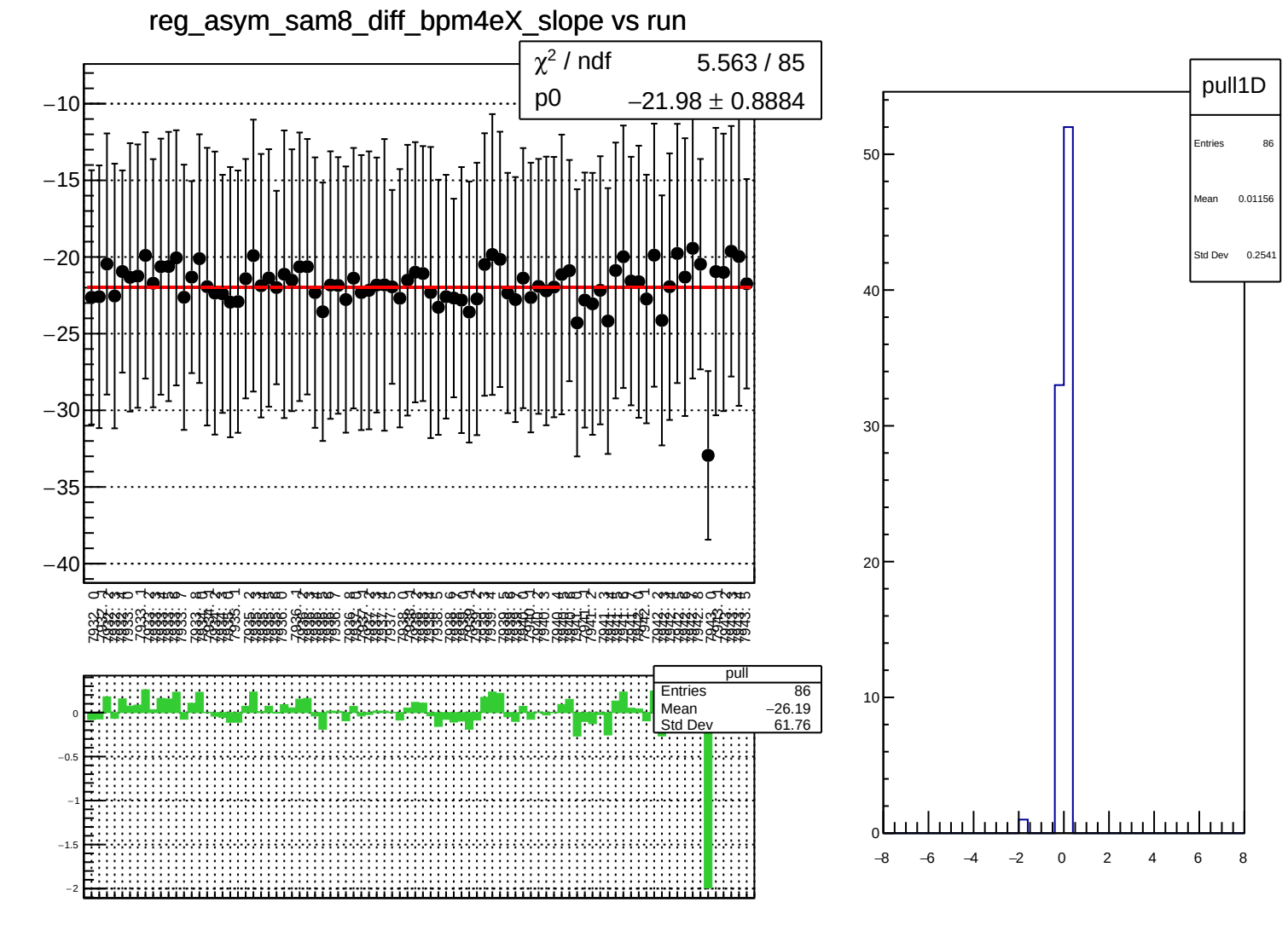

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 1.966 / 85
p0 −23.1 ± 2.028
pull
Entries 86
Mean 951.7
Std Dev 905.4

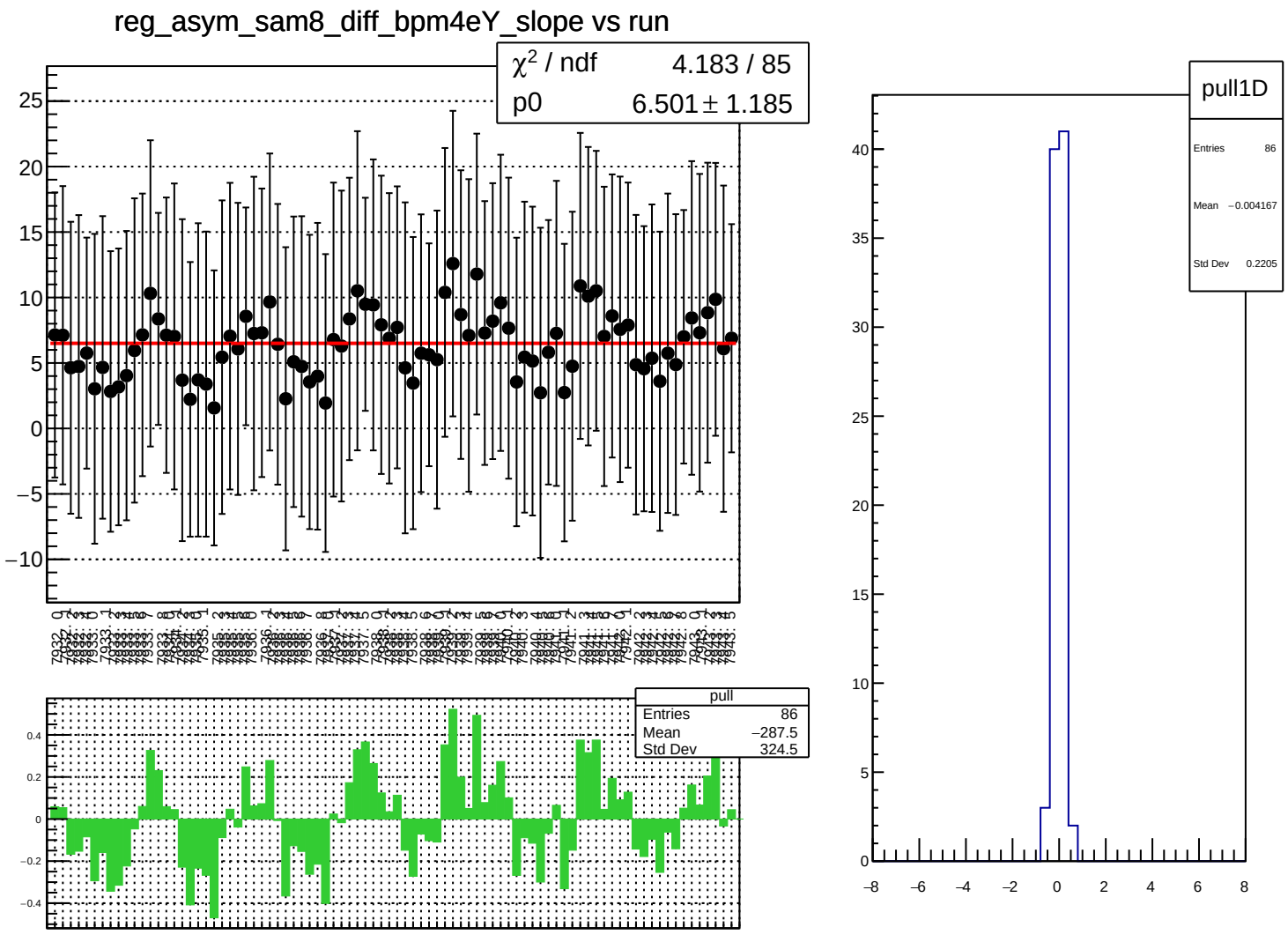

pull1D
Entries 86
Mean −0.001421
Std Dev 0.1512

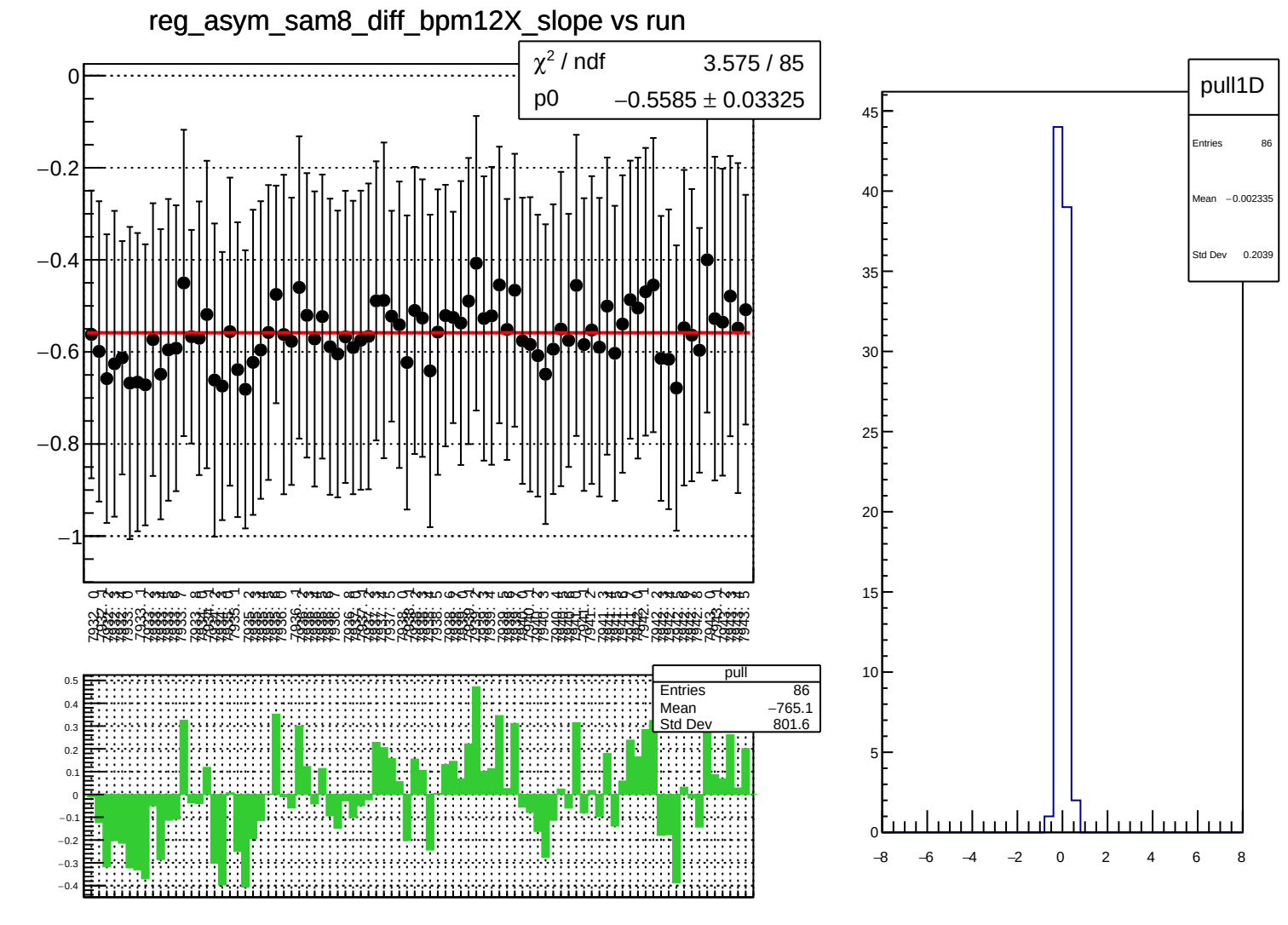

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 2.039 / 85
p0 −0.2288 ± 0.0569
pull
Entries 86
Mean 8.124
Std Dev 84.17
pull1D
Entries 86
Mean −0.00241
Std Dev 0.154

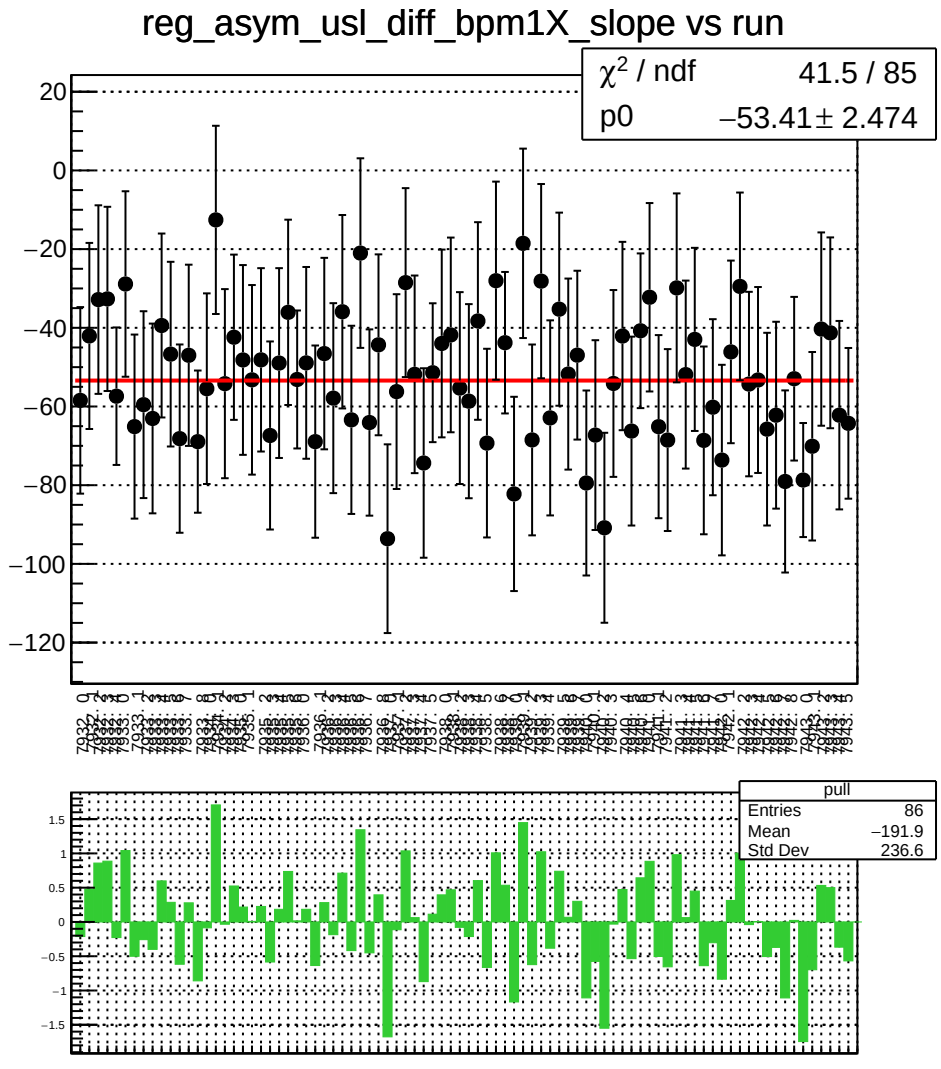

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 5.854 / 85
p0 −2.622 ± 0.9875
pull
Entries 86
Mean −103.8
Std Dev 143.8
pull1D
Entries 86
Mean −0.01099
Std Dev 0.2607

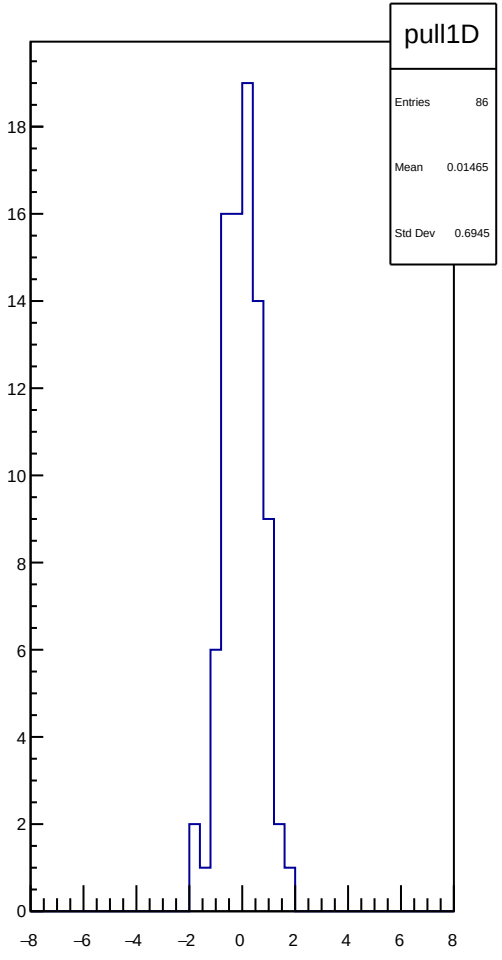

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 4.422 / 85
p0 −12.62 ± 1.028
pull
Entries 86
Mean −381
Std Dev 418.5
pull1D
Entries 86
Mean 0.004249
Std Dev 0.2267

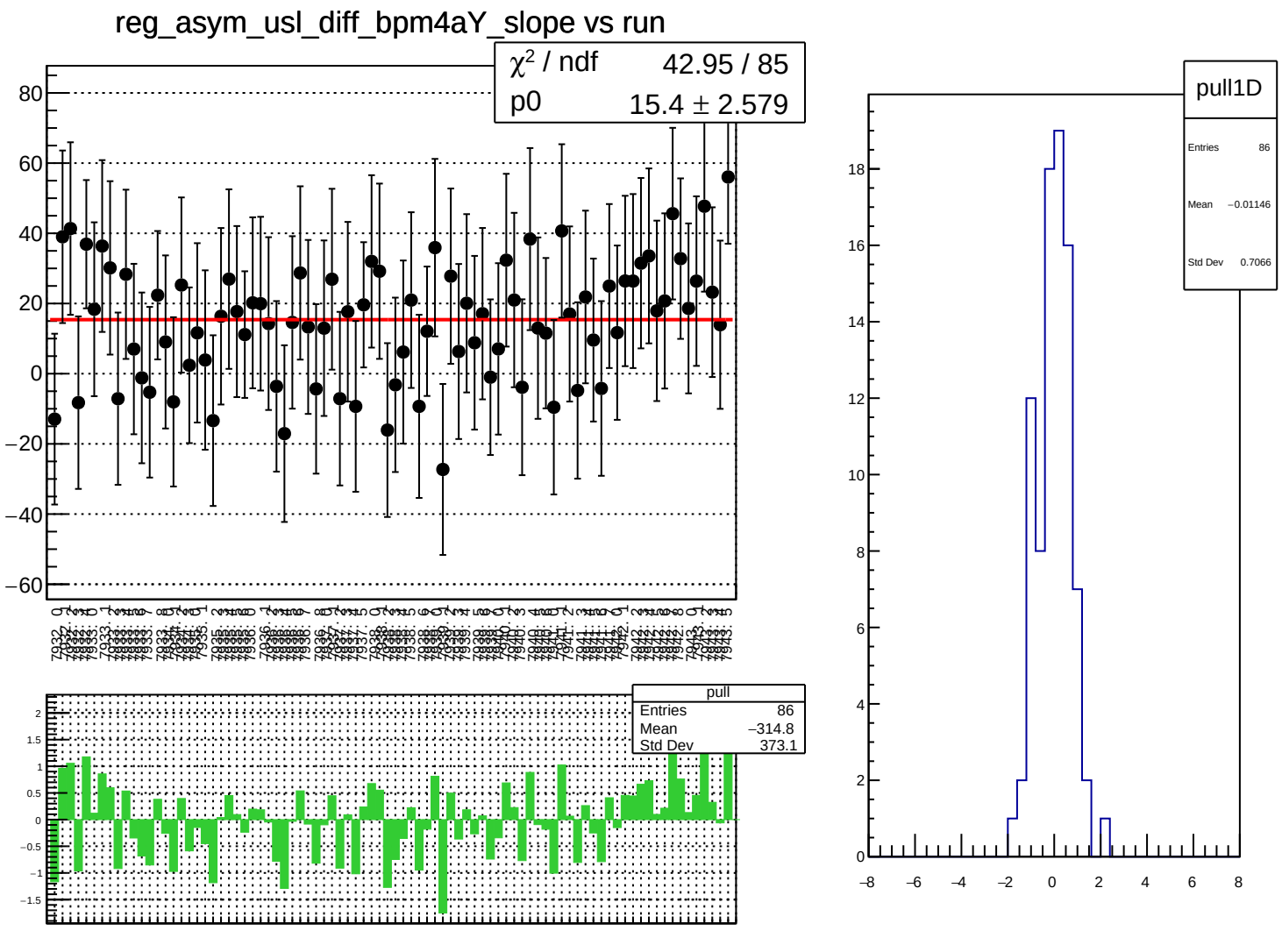

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 5.563 / 85
p0 −21.98 ± 0.8884
pull
Entries 86
Mean −26.19
Std Dev 61.76
pull1D
Entries 86
Mean 0.01156
Std Dev 0.2541

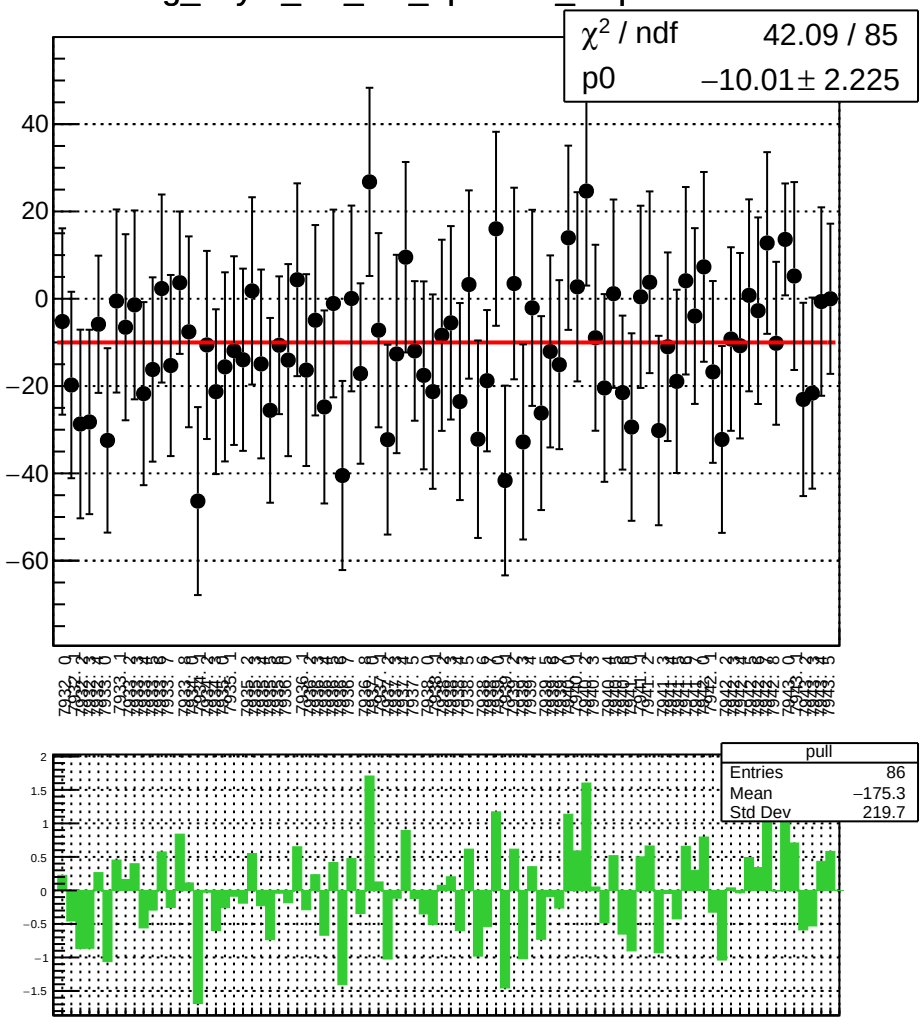

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 4.183 / 85
p0 6.501 ± 1.185
pull
Entries 86
Mean −287.5
Std Dev 324.5
pull1D
Entries 86
Mean −0.004167
Std Dev 0.2205

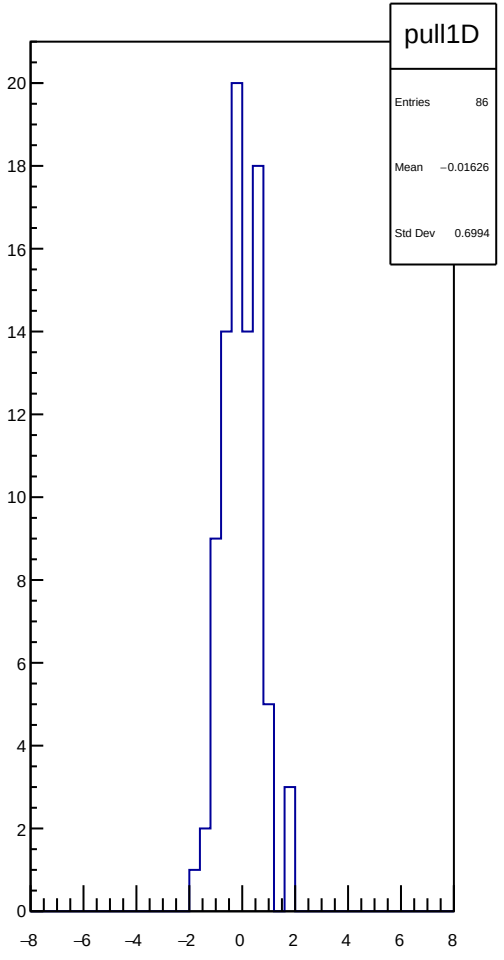

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 3.575 / 85
p0 −0.5585 ± 0.03325
pull
Entries 86
Mean −765.1
Std Dev 801.6
pull1D
Entries 86
Mean −0.002335
Std Dev 0.2039

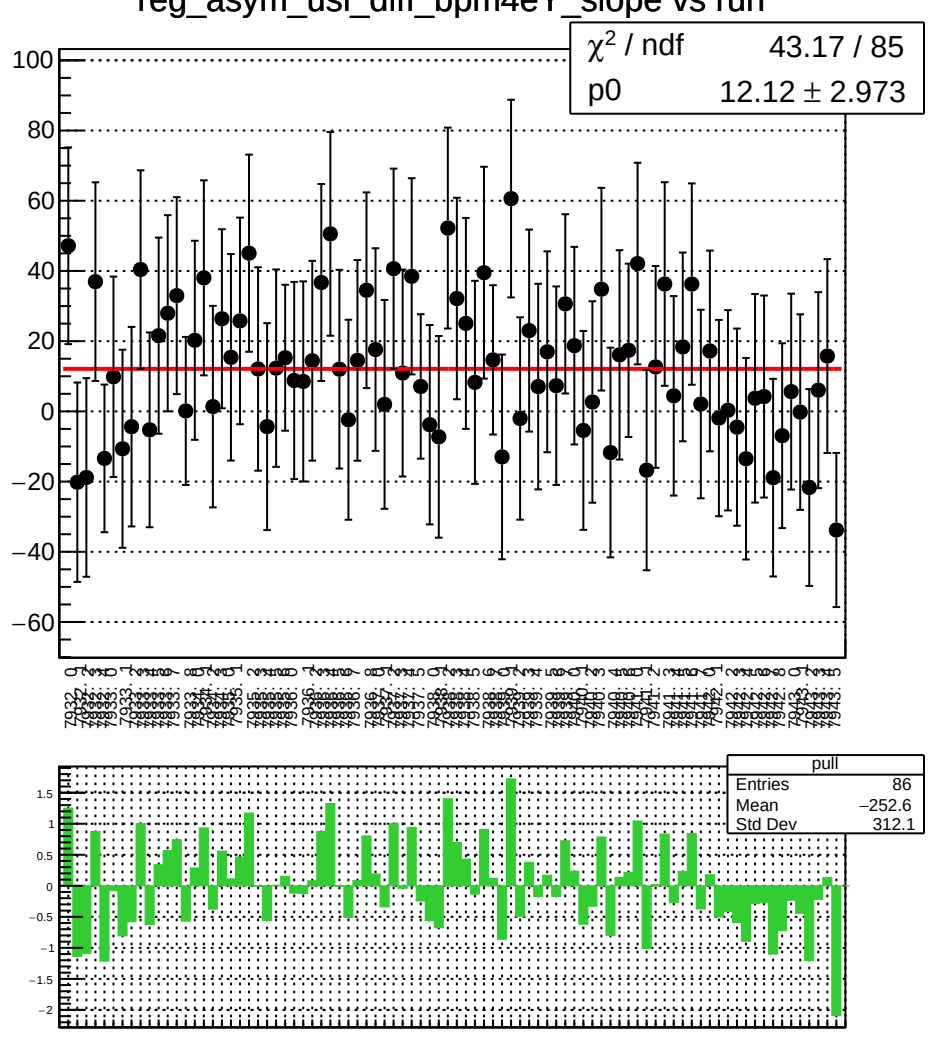

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 41.5 / 85
p0 −53.41 ± 2.474
pull
Entries 86
Mean −191.9
Std Dev 236.6

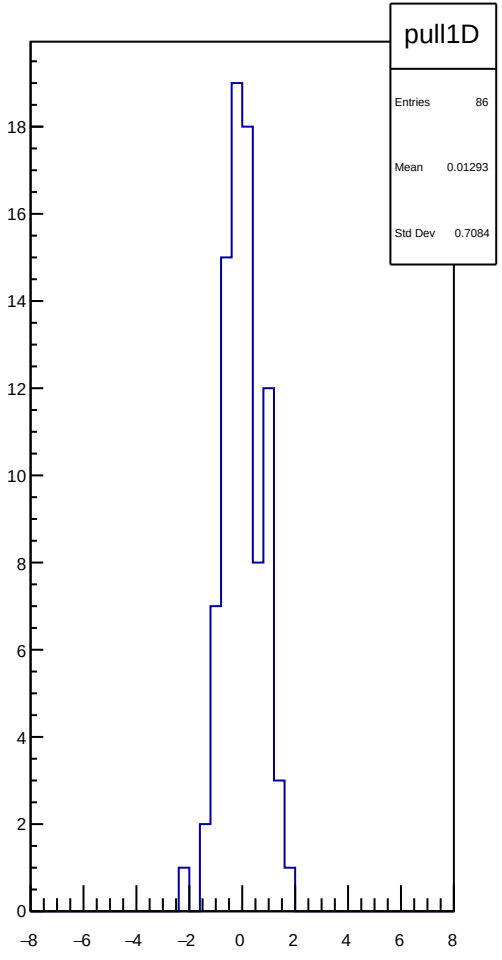

pull1D
Entries 86
Mean 0.01465
Std Dev 0.6945

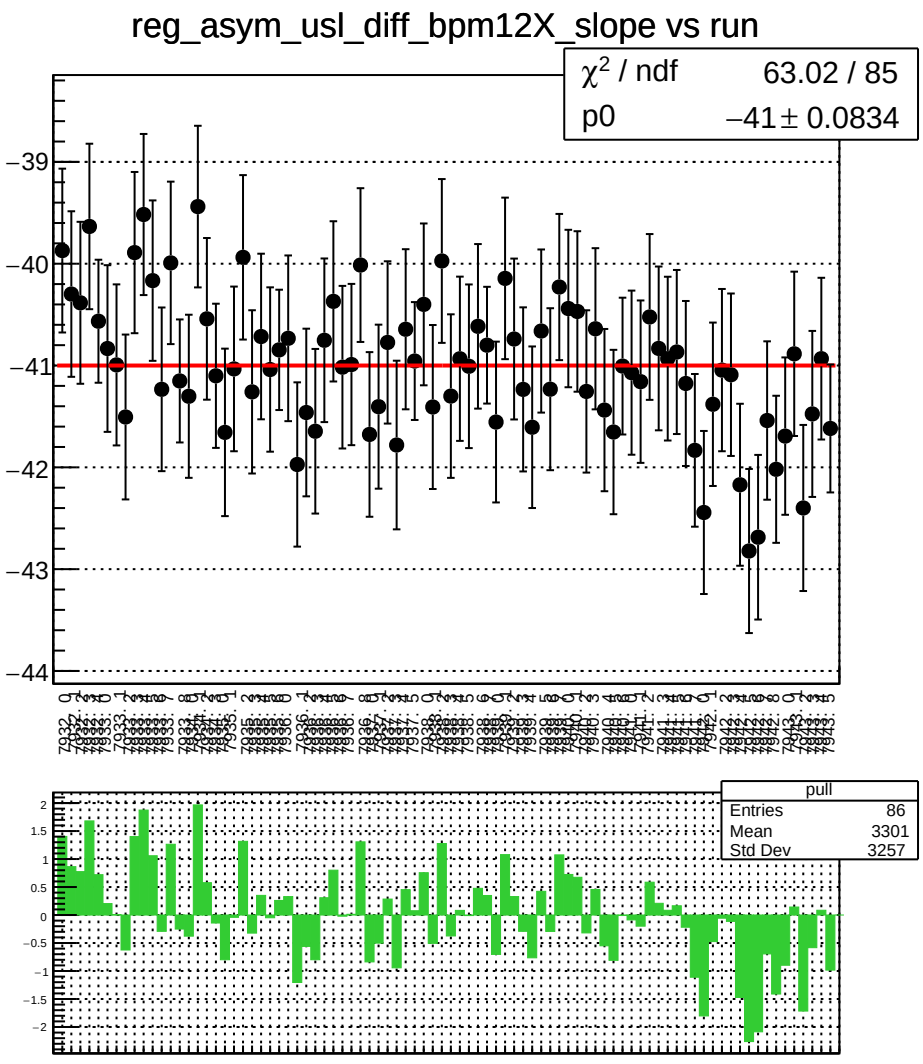

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 42.95 / 85
p0 15.4 ± 2.579
pull
Entries 86
Mean −314.8
Std Dev 373.1
pull1D
Entries 86
Mean −0.01146
Std Dev 0.7066

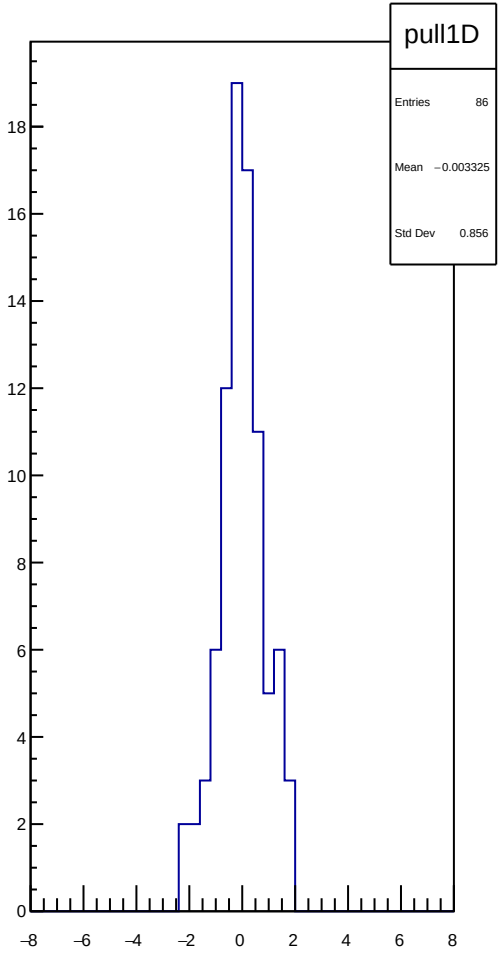

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 42.09 / 85
p0 −10.01± 2.225
pull
Entries 86
Mean −175.3
Std Dev 219.7

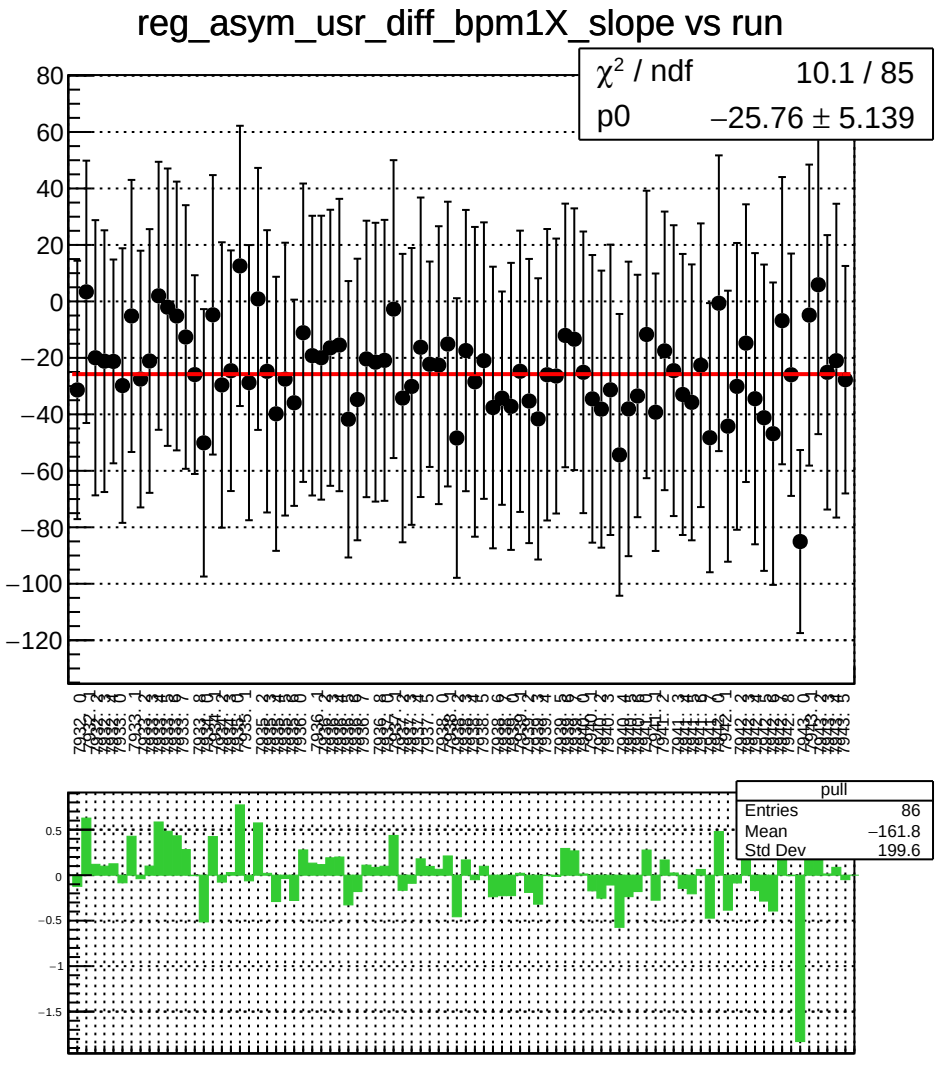

pull1D
Entries 86
Mean −0.01626
Std Dev 0.6994

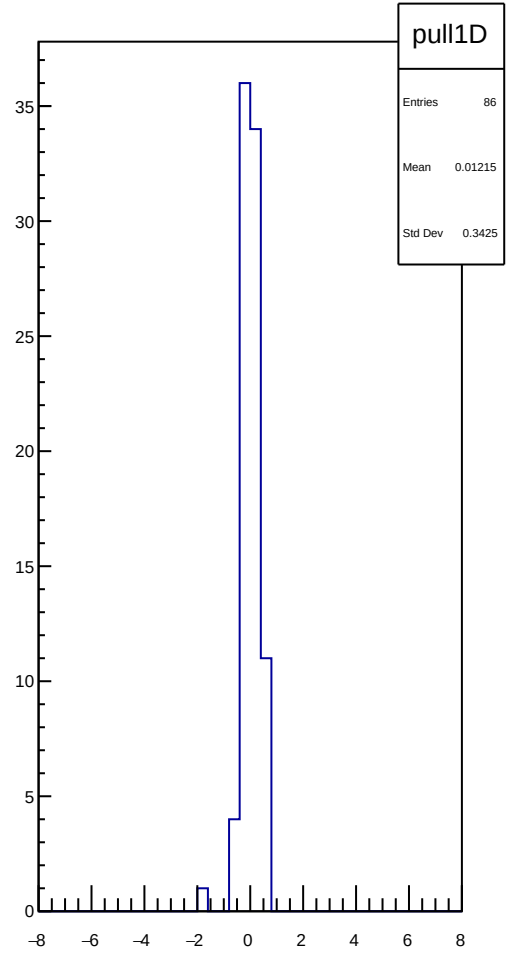

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 43.17 / 85
p0 12.12 ± 2.973
pull
Entries 86
Mean −252.6
Std Dev 312.1

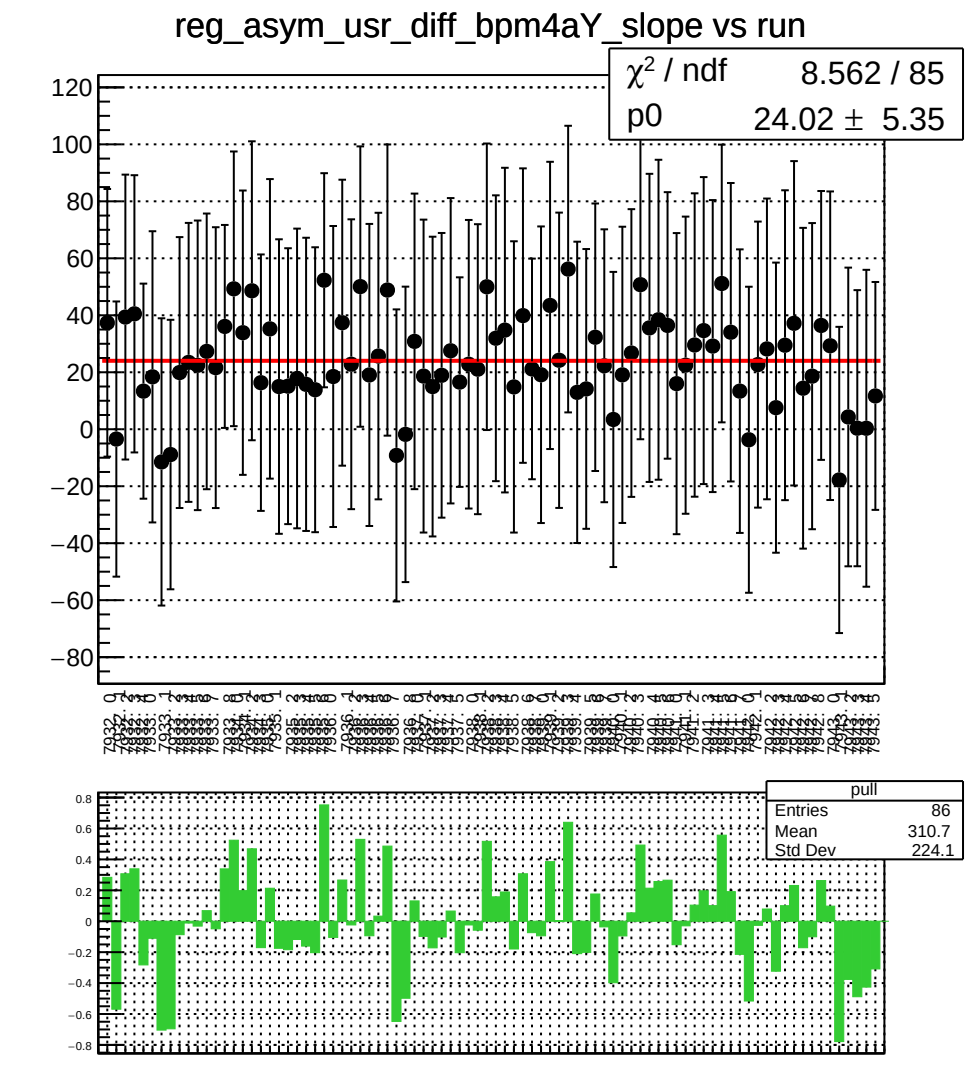

pull1D
Entries 86
Mean 0.01293
Std Dev 0.7084

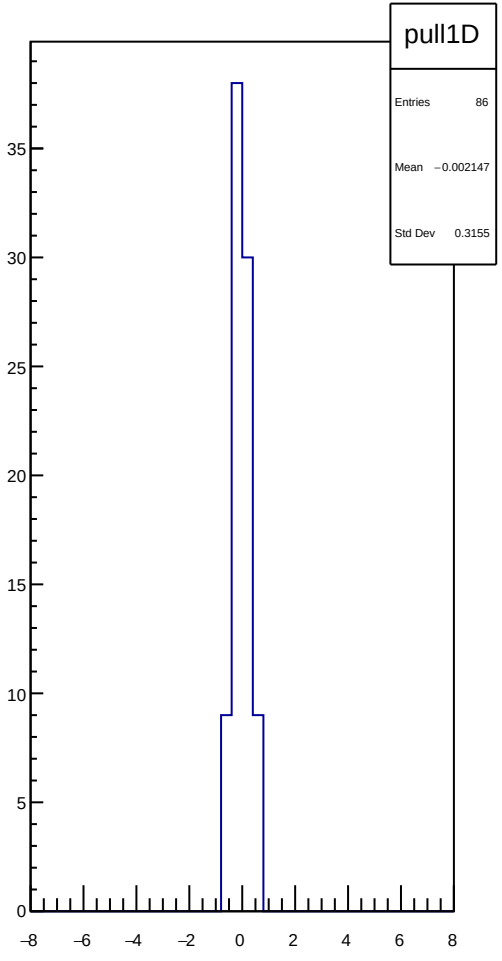

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 63.02 / 85
p0 −41 ± 0.0834
pull
Entries 86
Mean 3301
Std Dev 3257

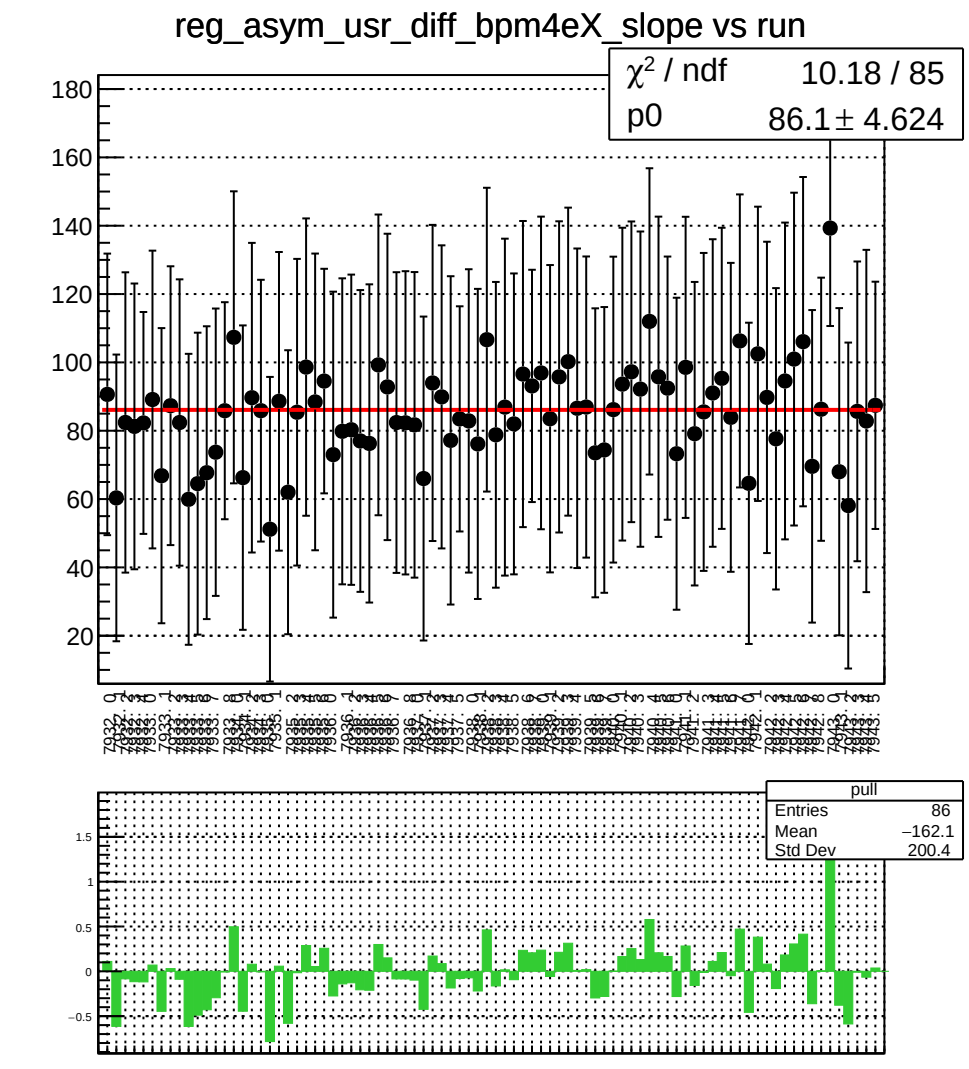

pull1D
Entries 86
Mean −0.003325
Std Dev 0.856

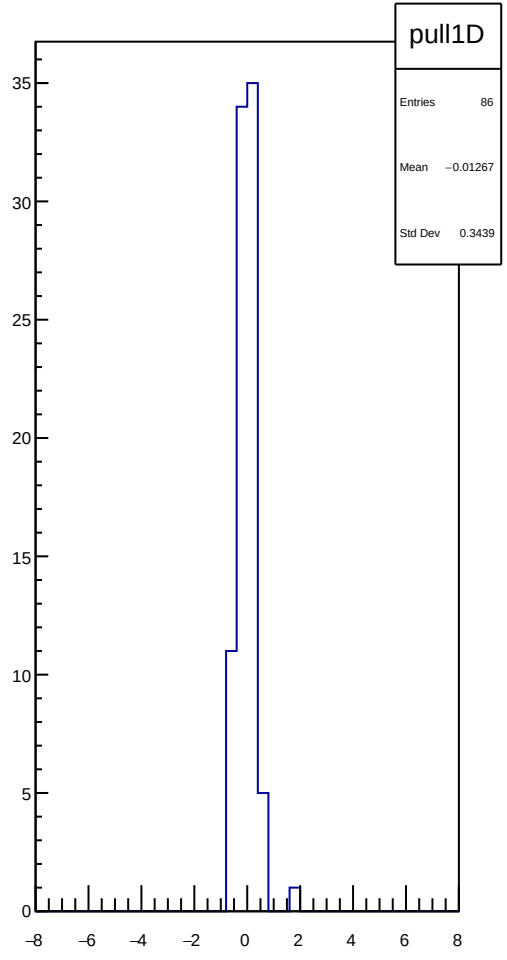

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 10.1 / 85
p0 −25.76 ± 5.139
pull
Entries 86
Mean −161.8
Std Dev 199.6

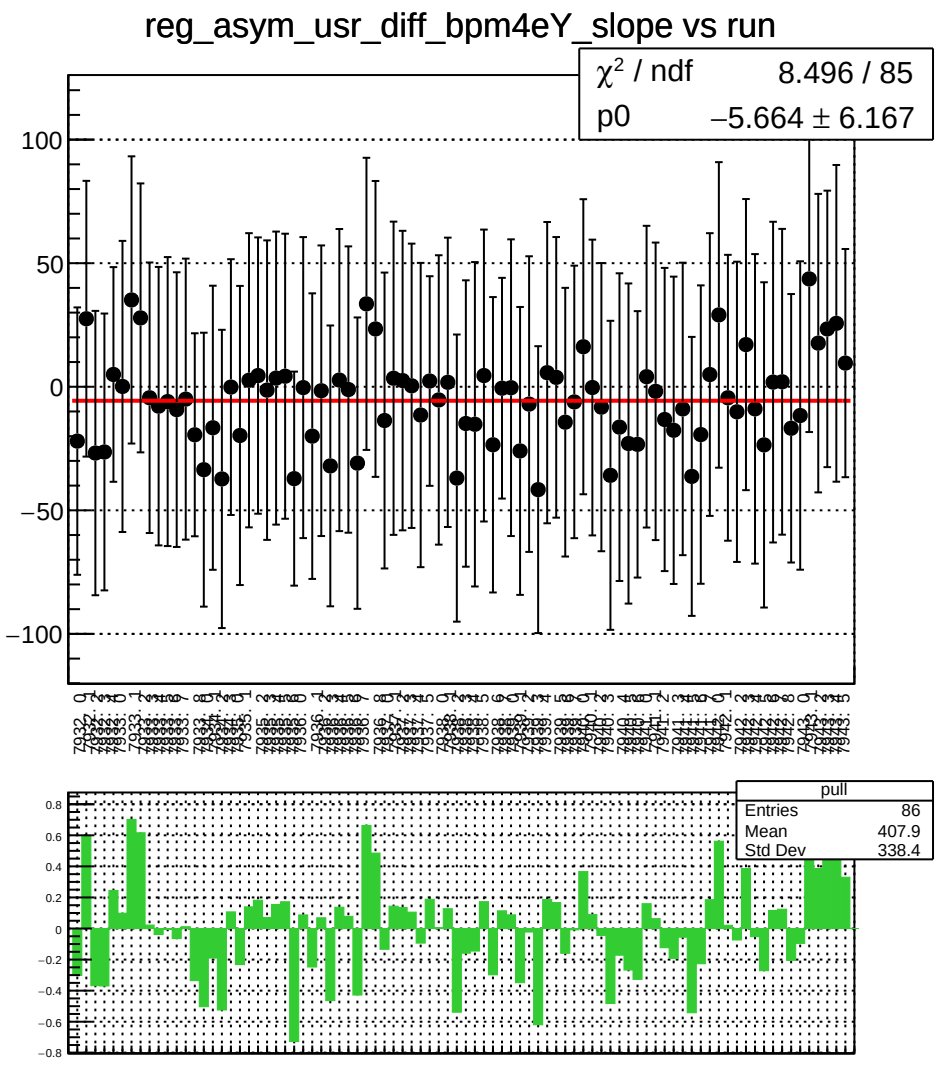

pull1D
Entries 86
Mean 0.01215
Std Dev 0.3425

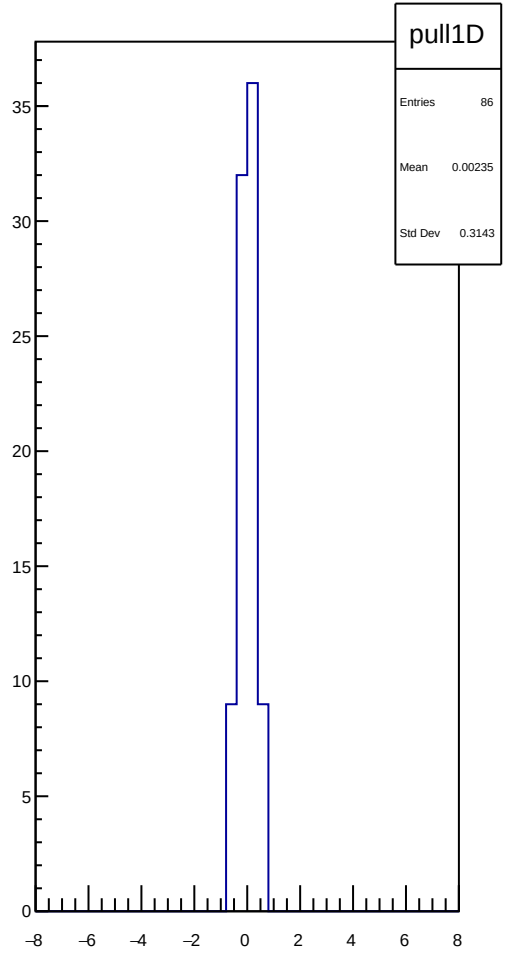

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 8.562 / 85
p0 24.02 ± 5.35
pull
Entries 86
Mean 310.7
Std Dev 224.1

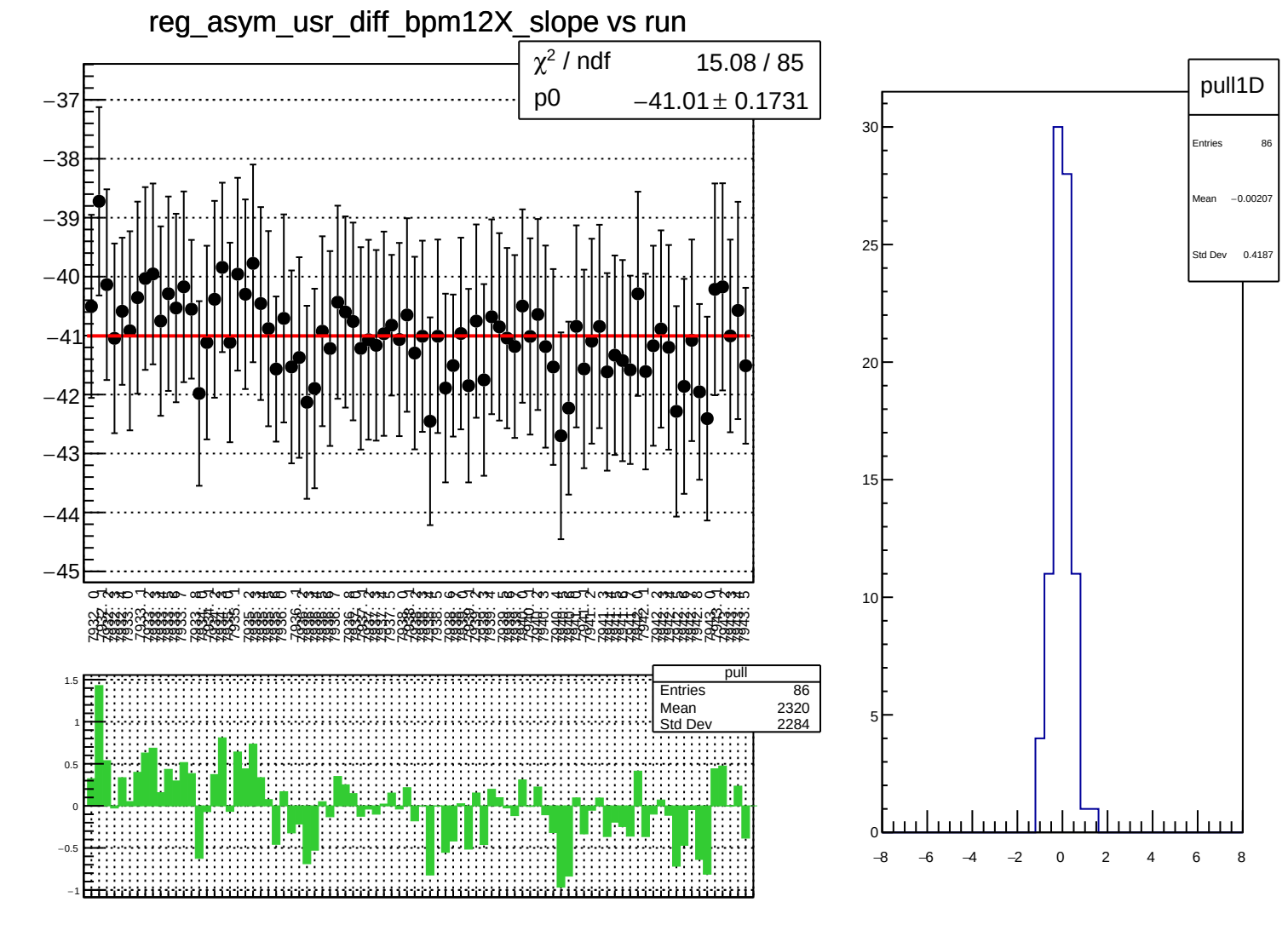

pull1D
Entries 86
Mean −0.002147
Std Dev 0.3155

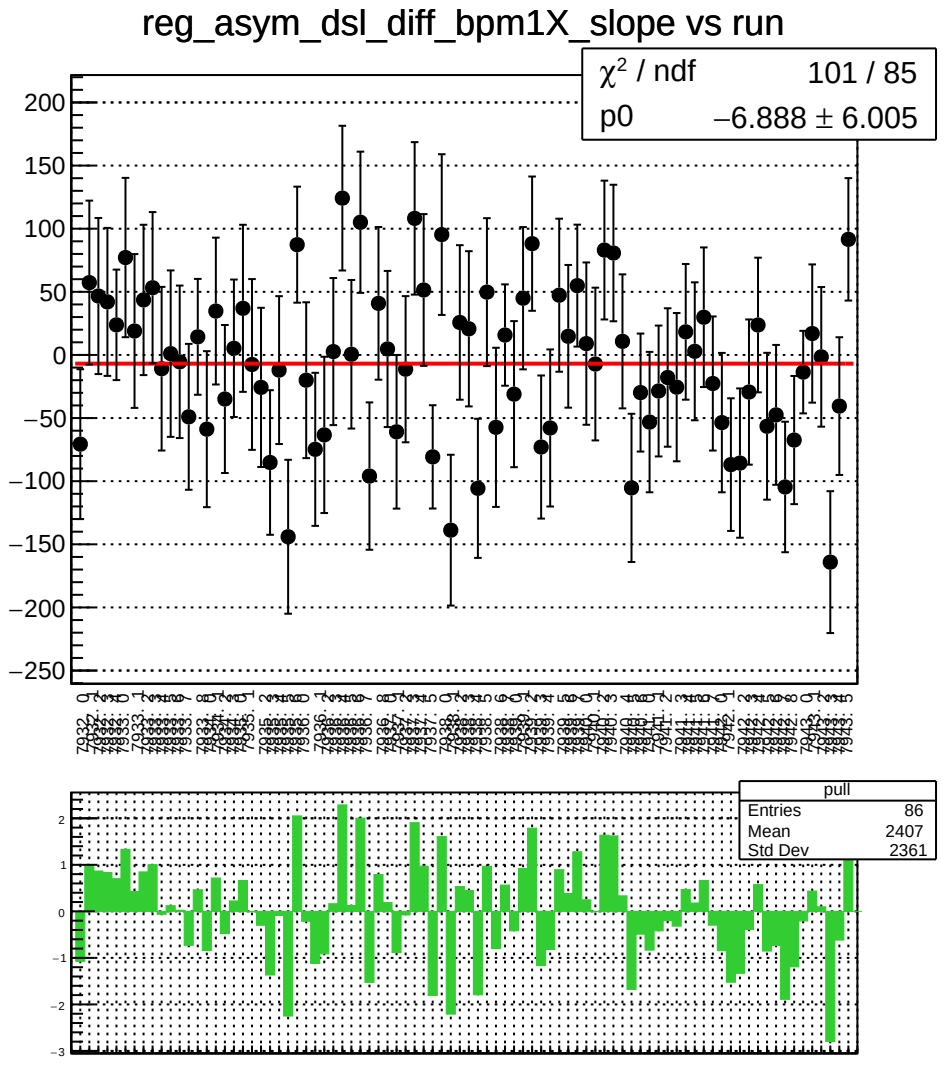

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 10.18 / 85
p0 86.1 ± 4.624
pull
Entries 86
Mean −162.1
Std Dev 200.4

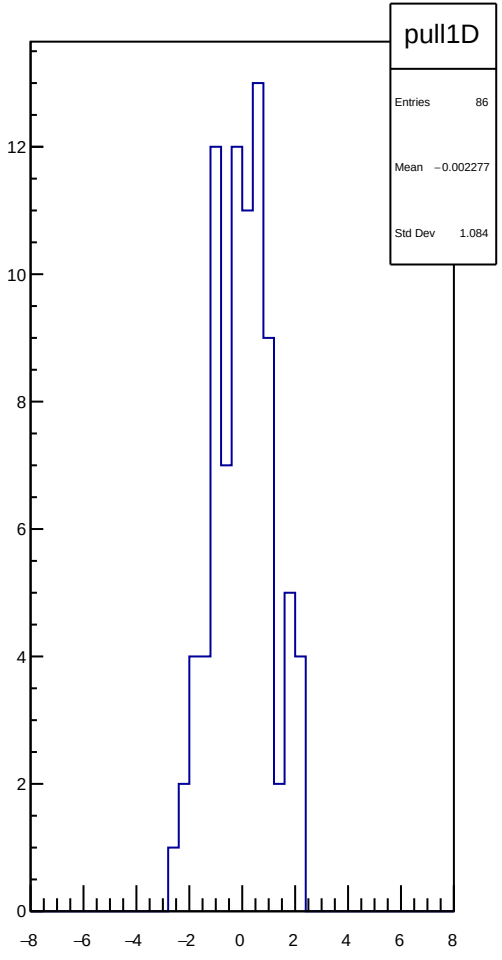

pull1D
Entries 86
Mean −0.01267
Std Dev 0.3439

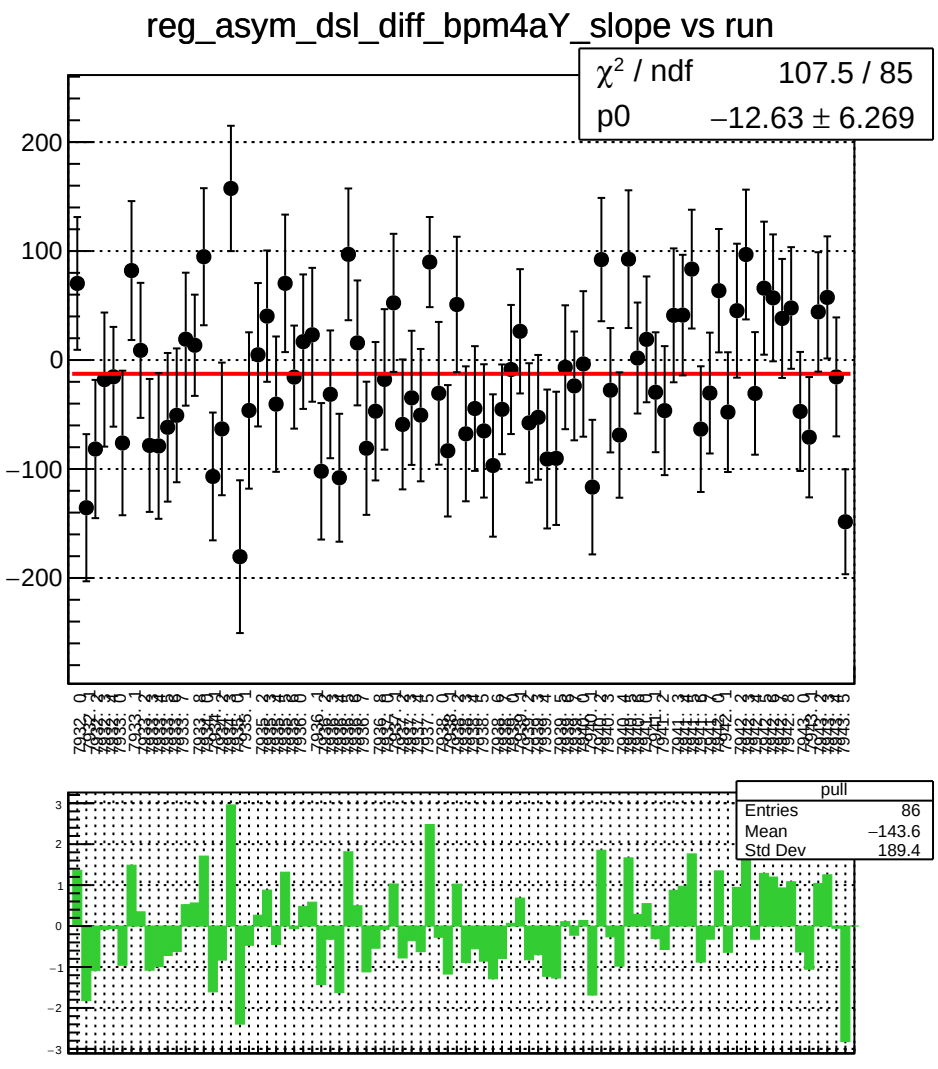

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 8.496 / 85
p0 −5.664 ± 6.167
100
50
0
−50
−100
pull
Entries 86
Mean 407.9
Std Dev 338.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

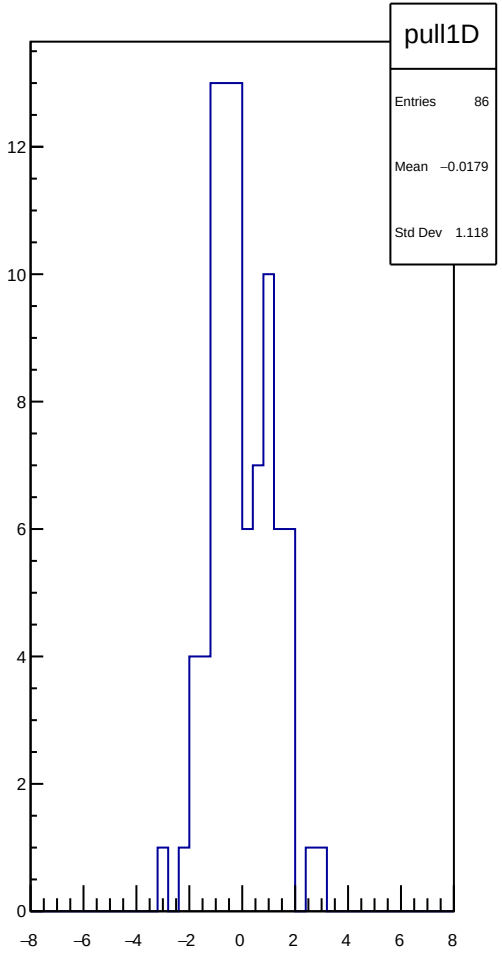

pull1D
Entries 86
Mean 0.00235
Std Dev 0.3143
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

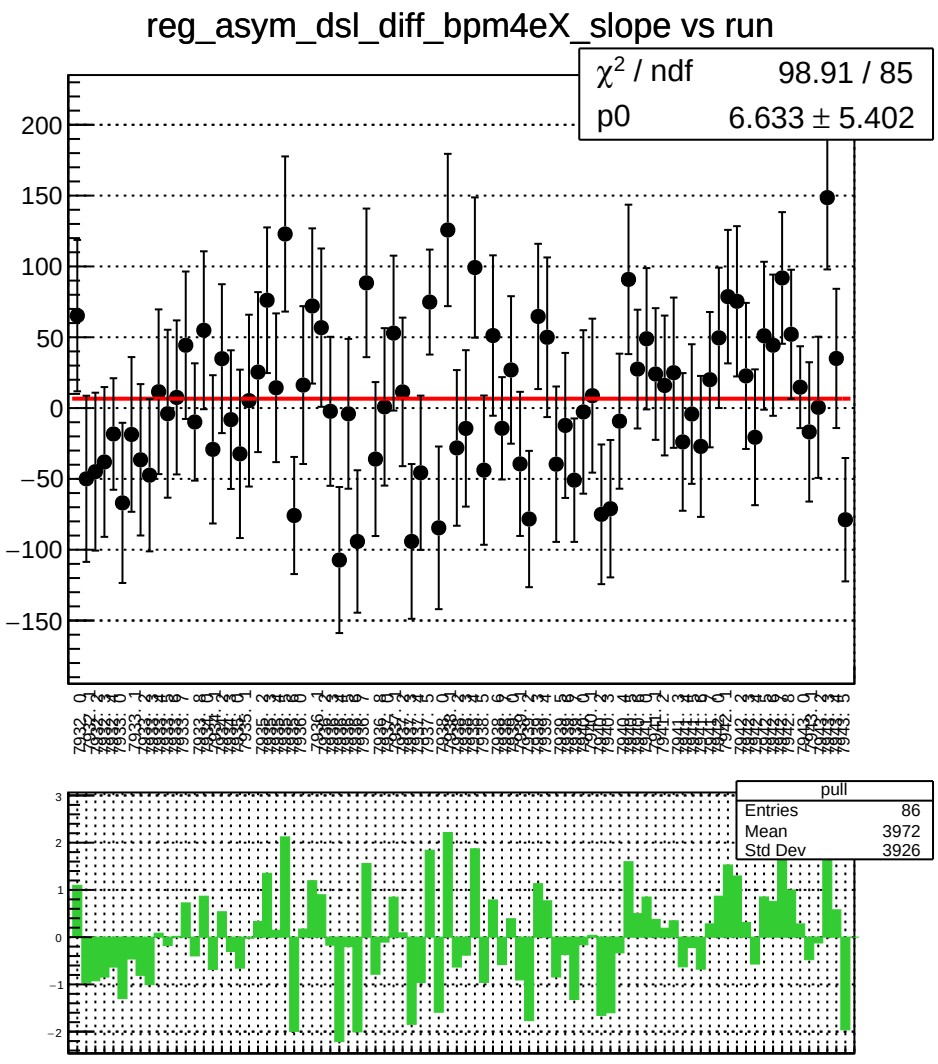

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 15.08 / 85
p0 −41.01 ± 0.1731
pull
Entries 86
Mean 2320
Std Dev 2284
pull1D
Entries 86
Mean −0.00207
Std Dev 0.4187

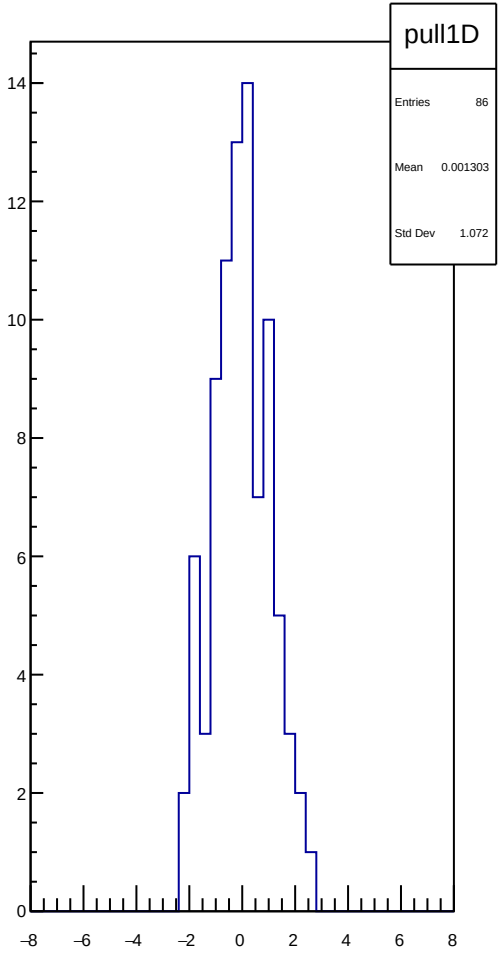

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 101 / 85
p0 −6.888 ± 6.005
pull
Entries 86
Mean 2407
Std Dev 2361

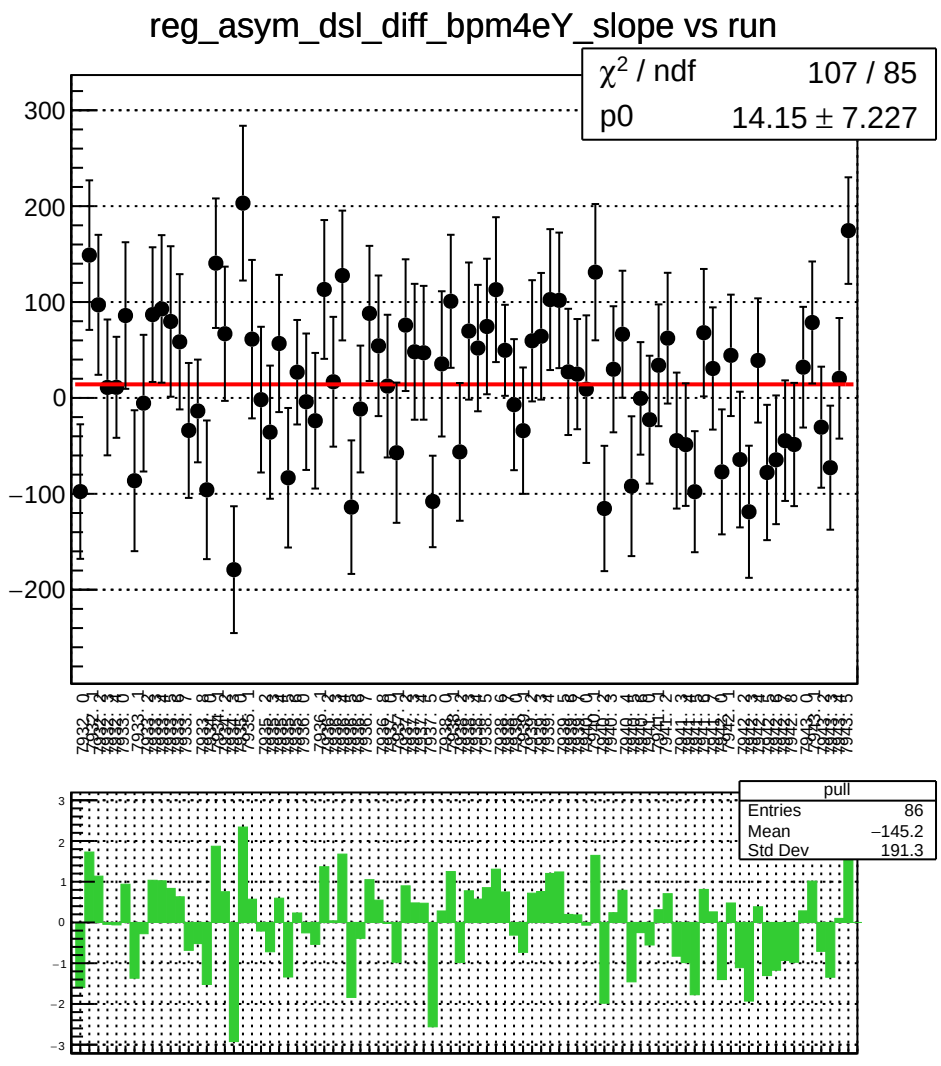

pull1D
Entries 86
Mean −0.002277
Std Dev 1.084

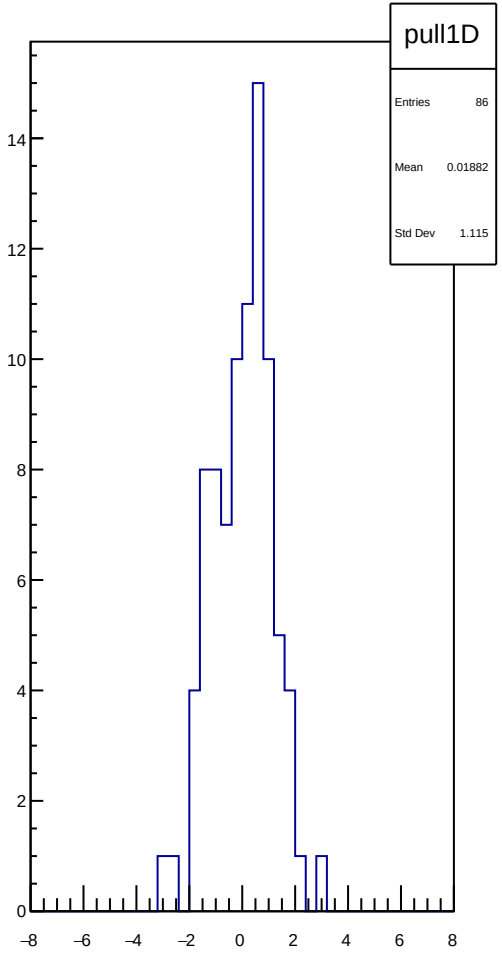

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 107.5 / 85
p0 −12.63 ± 6.269
200
100
0
−100
−200
pull
Entries 86
Mean −143.6
Std Dev 189.4
3
2
1
0
−1
−2
−3

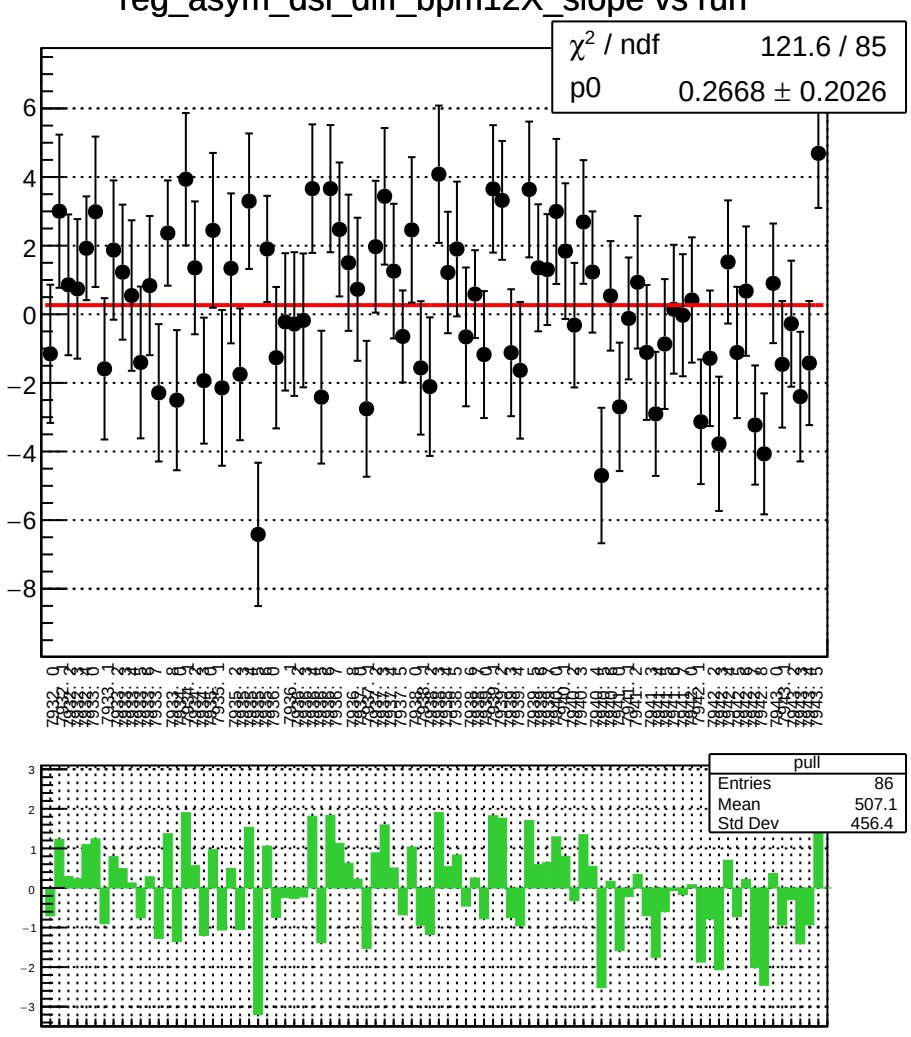

pull1D
Entries 86
Mean −0.0179
Std Dev 1.118
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

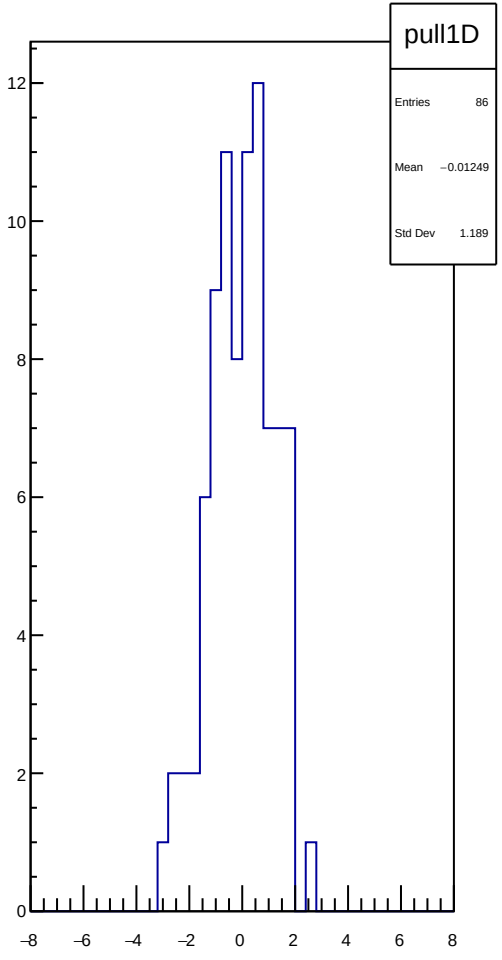

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 98.91 / 85
p0 6.633 ± 5.402
pull
Entries 86
Mean 3972
Std Dev 3926

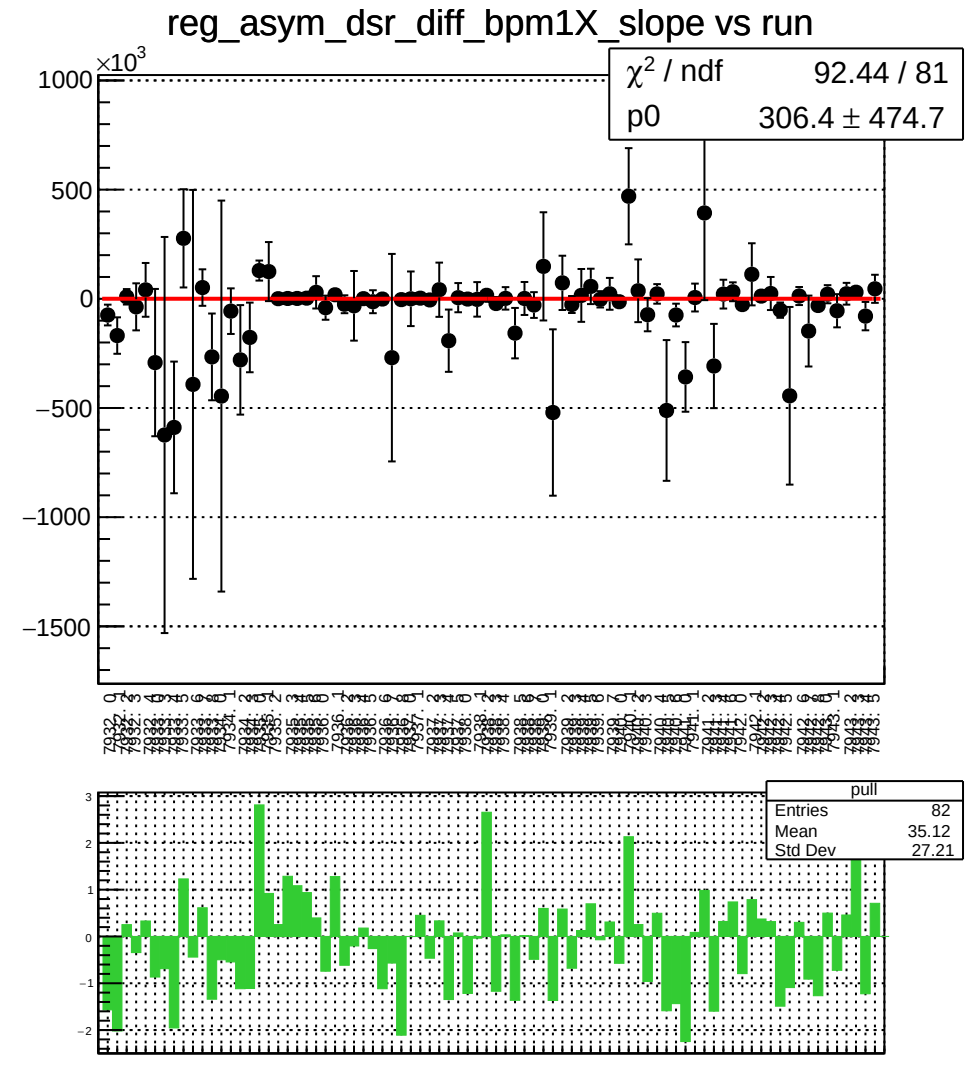

pull1D
Entries 86
Mean 0.001303
Std Dev 1.072

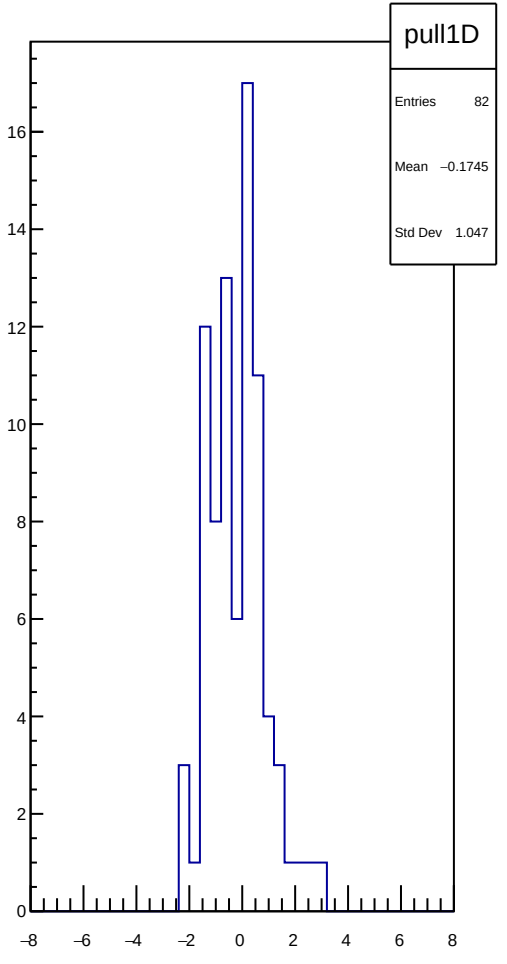

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 107 / 85
p0 14.15 ± 7.227
pull
Entries 86
Mean −145.2
Std Dev 191.3

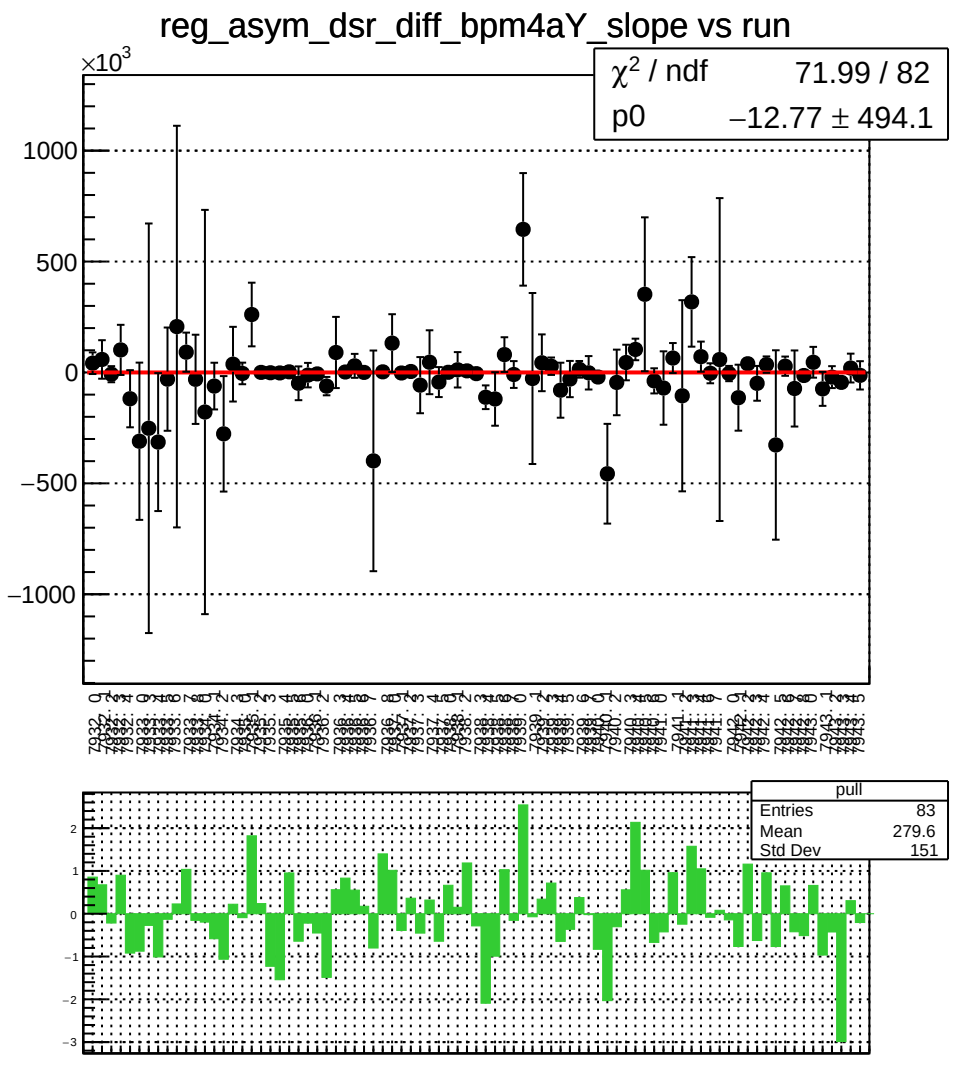

pull1D
Entries 86
Mean 0.01882
Std Dev 1.115

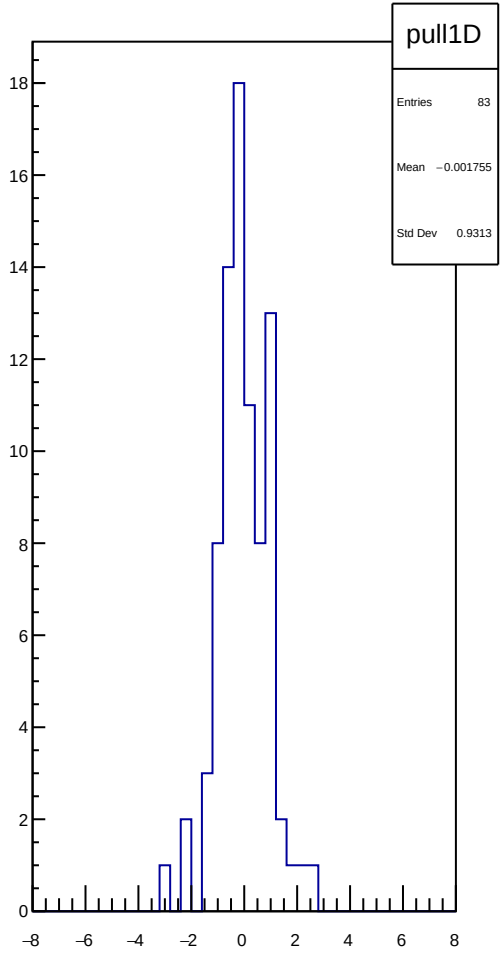

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 121.6 / 85
p0 0.2668 ± 0.2026
pull
Entries 86
Mean 507.1
Std Dev 456.4

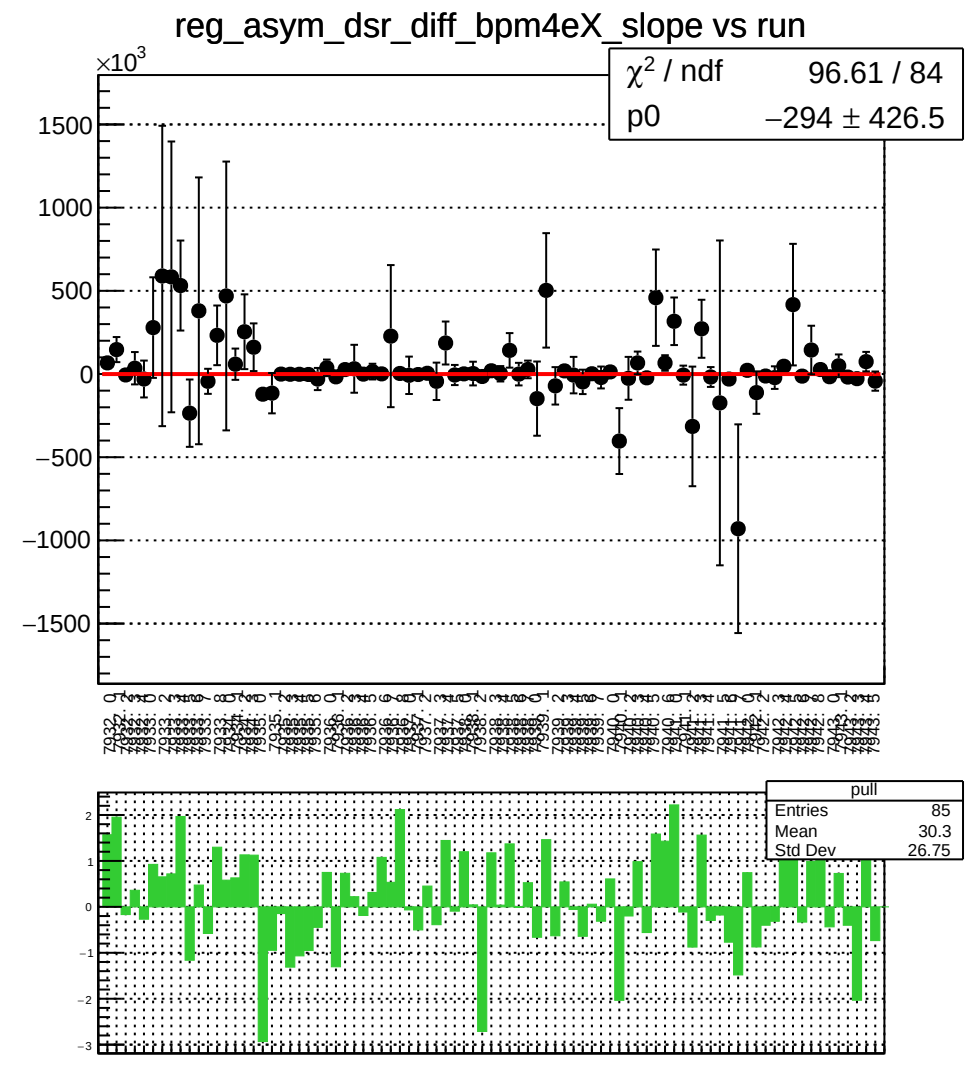

pull1D
Entries 86
Mean −0.01249
Std Dev 1.189

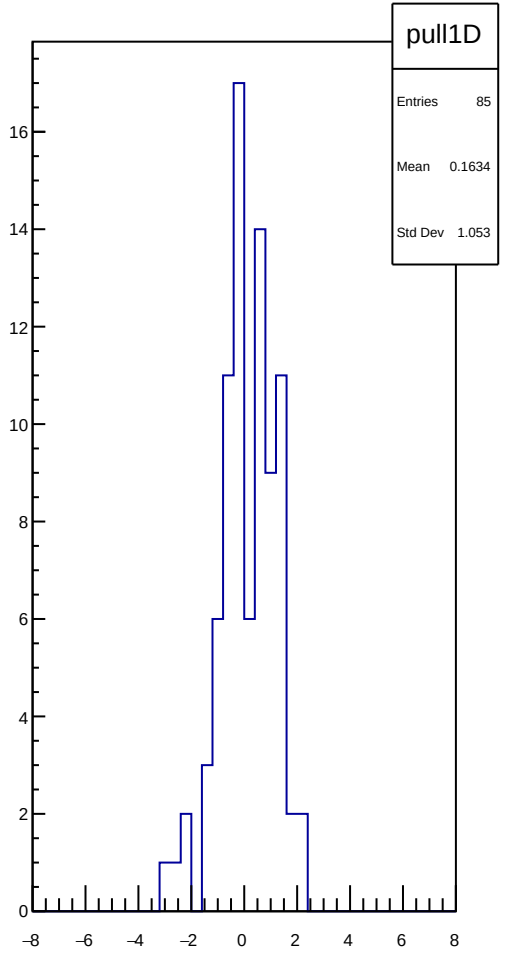

reg_asym_dsr_diff_bpm1X_slope vs run
×10^3
χ² / ndf 92.44 / 81
p0 306.4 ± 474.7
1000
500
0
−500
−1000
−1500
pull
Entries 82
Mean 35.12
Std Dev 27.21
3
2
1
0
−1
−2

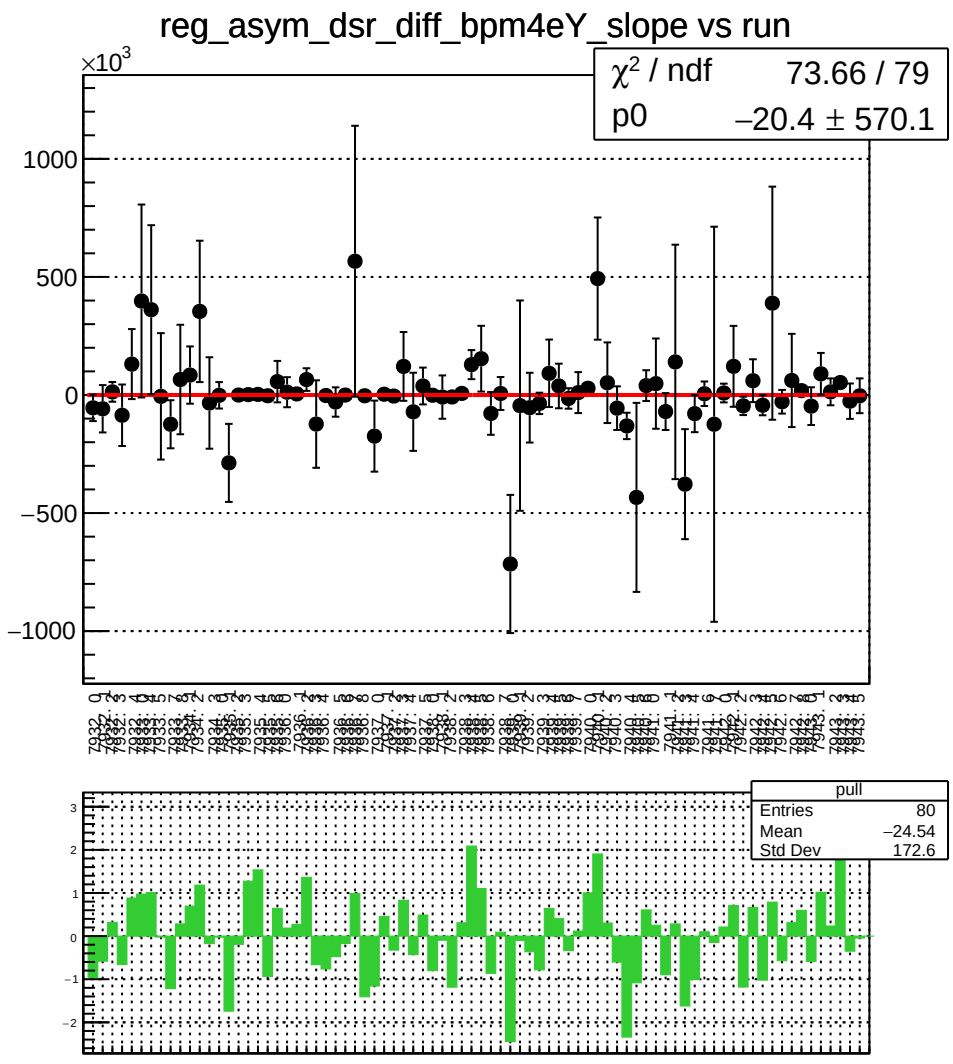

pull1D
Entries 82
Mean −0.1745
Std Dev 1.047
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

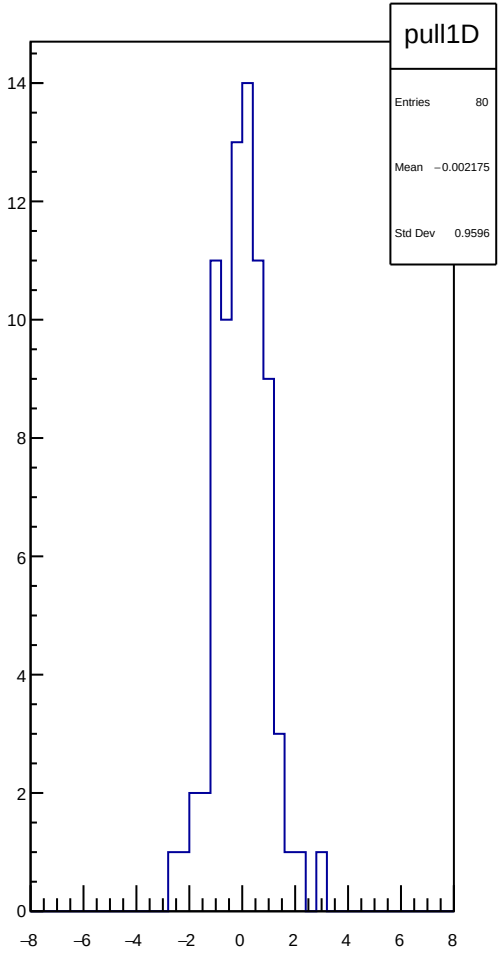

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 71.99 / 82
p0 −12.77 ± 494.1
1000
500
0
−500
−1000
pull
Entries 83
Mean 279.6
Std Dev 151
2
1
0
−1
−2
−3

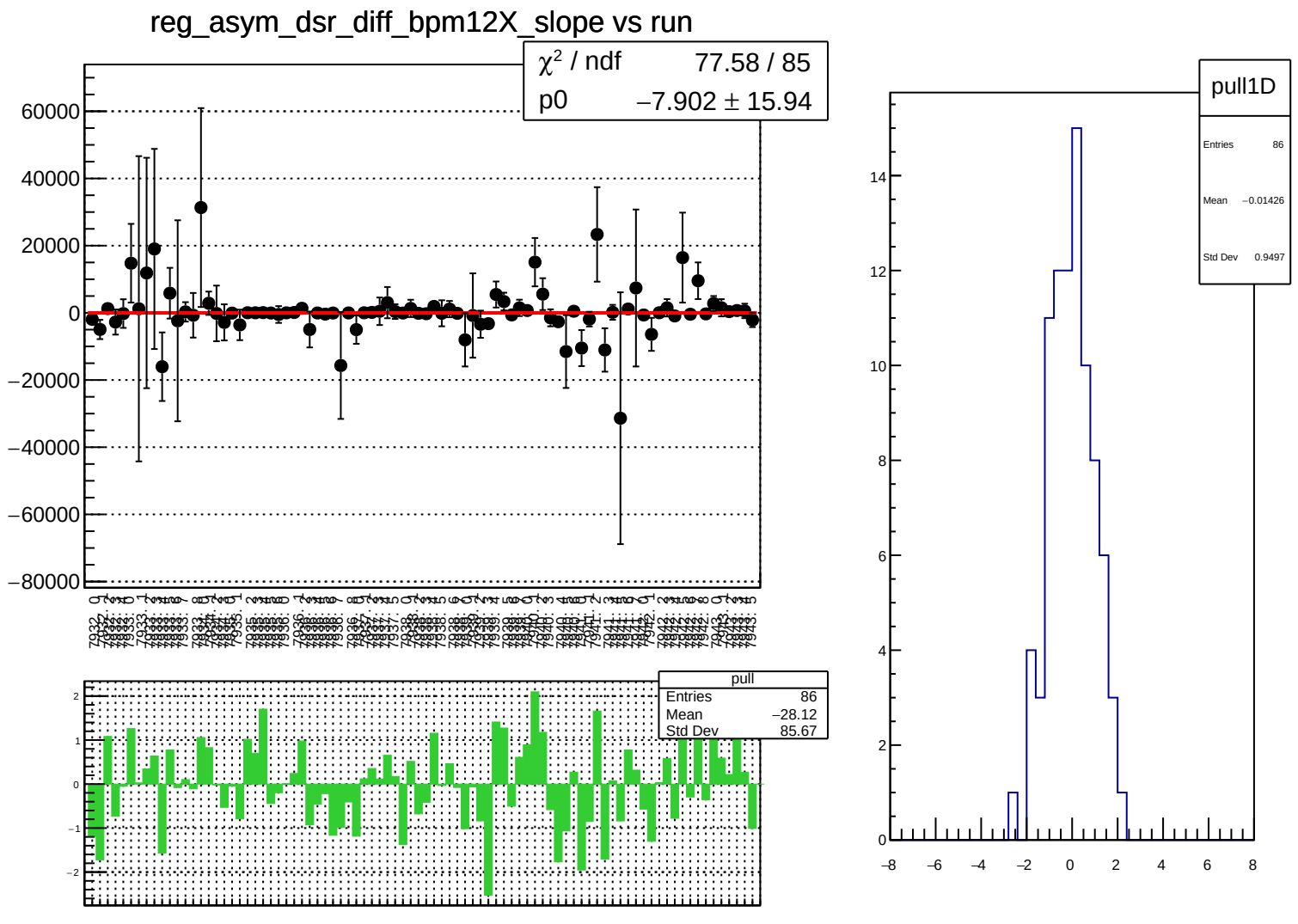

pull1D
Entries 83
Mean −0.001755
Std Dev 0.9313
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

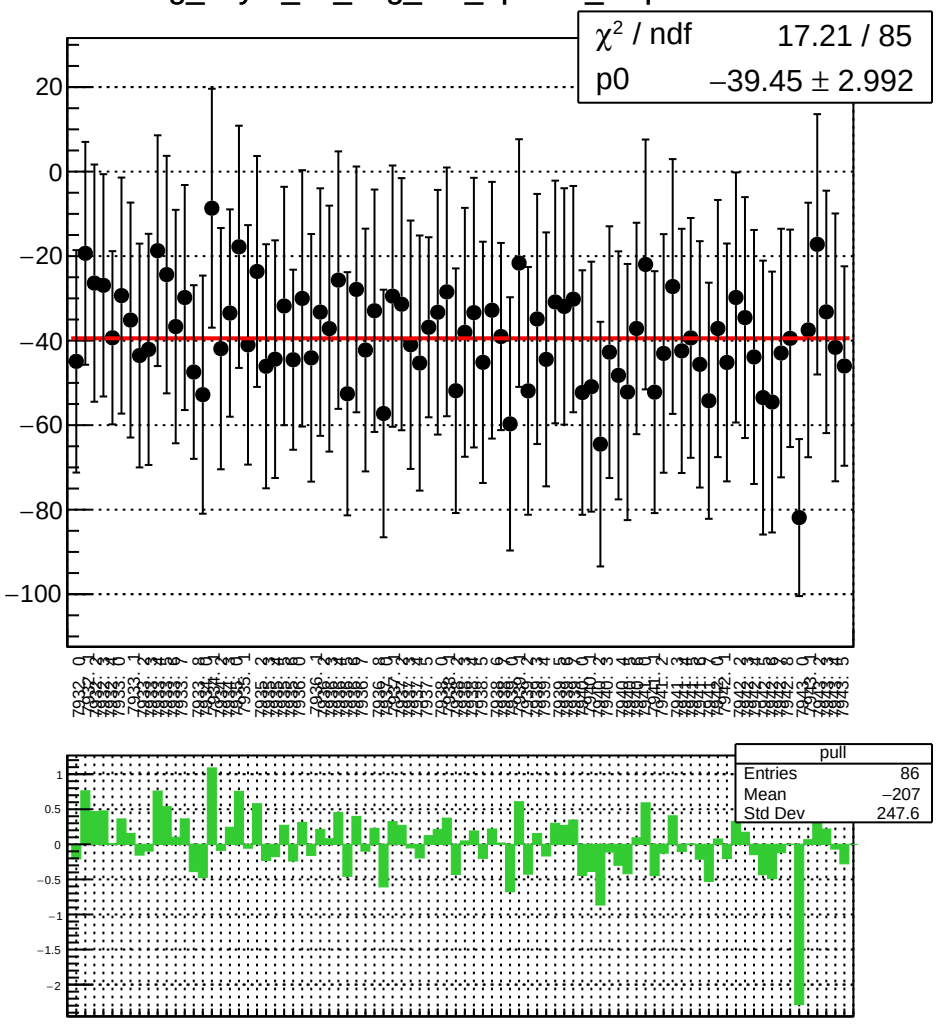

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 96.61 / 84
p0 −294 ± 426.5
1500
1000
500
0
−500
−1000
−1500
pull
Entries 85
Mean 30.3
Std Dev 26.75
2
1
0
−1
−2
−3

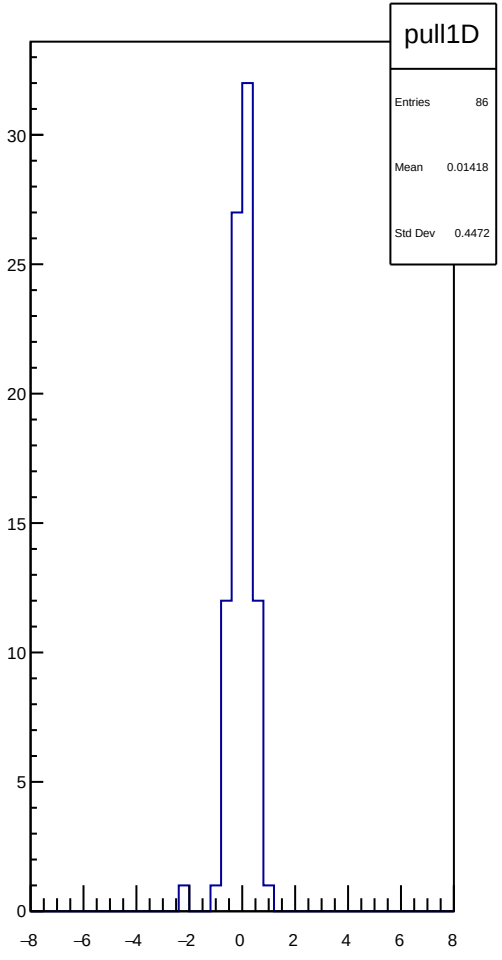

pull1D
Entries 85
Mean 0.1634
Std Dev 1.053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

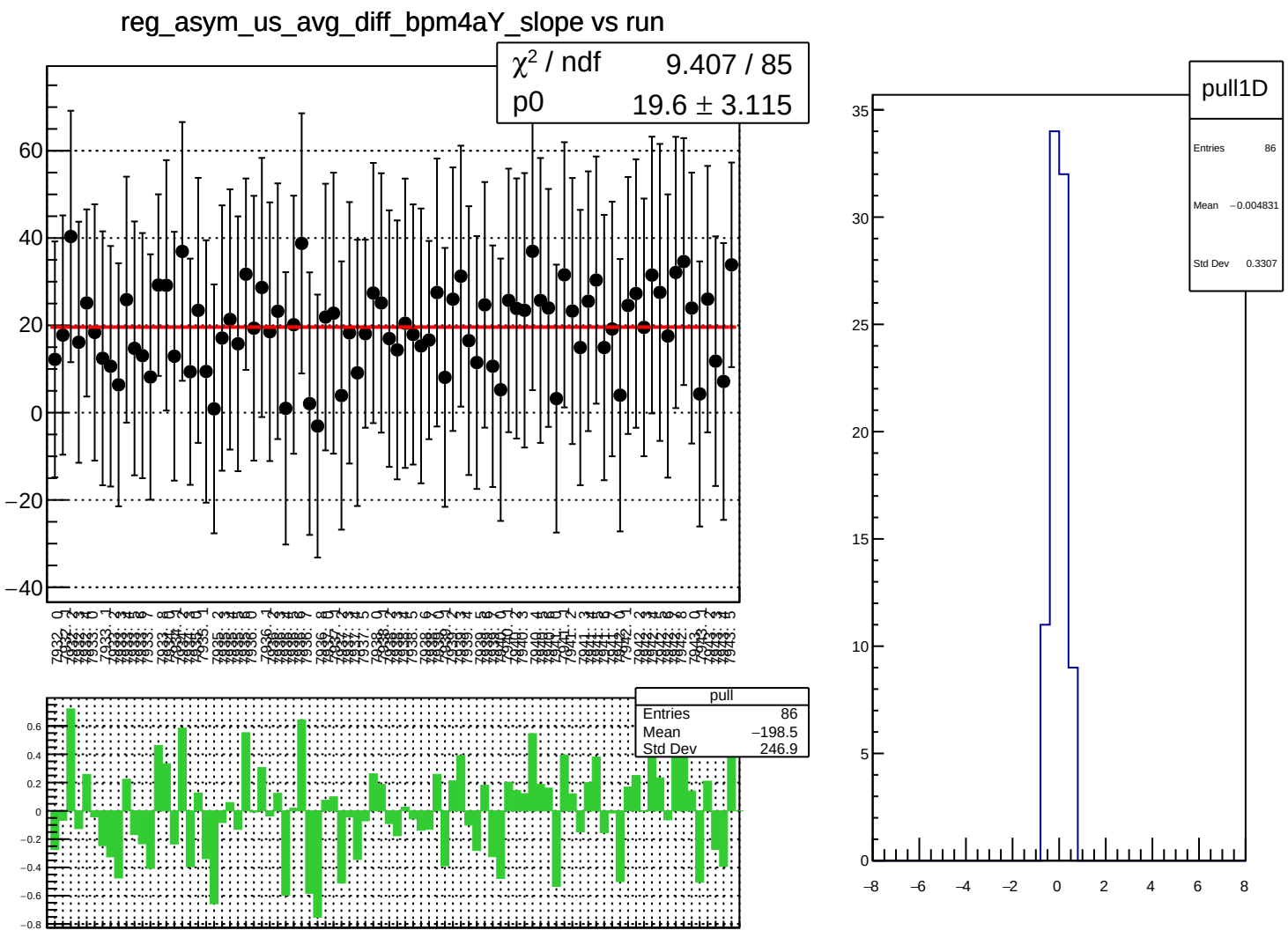

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 73.66 / 79
p0 −20.4 ± 570.1
×10³
1000
500
0
−500
−1000
pull
Entries 80
Mean −24.54
Std Dev 172.6
3
2
1
0
−1

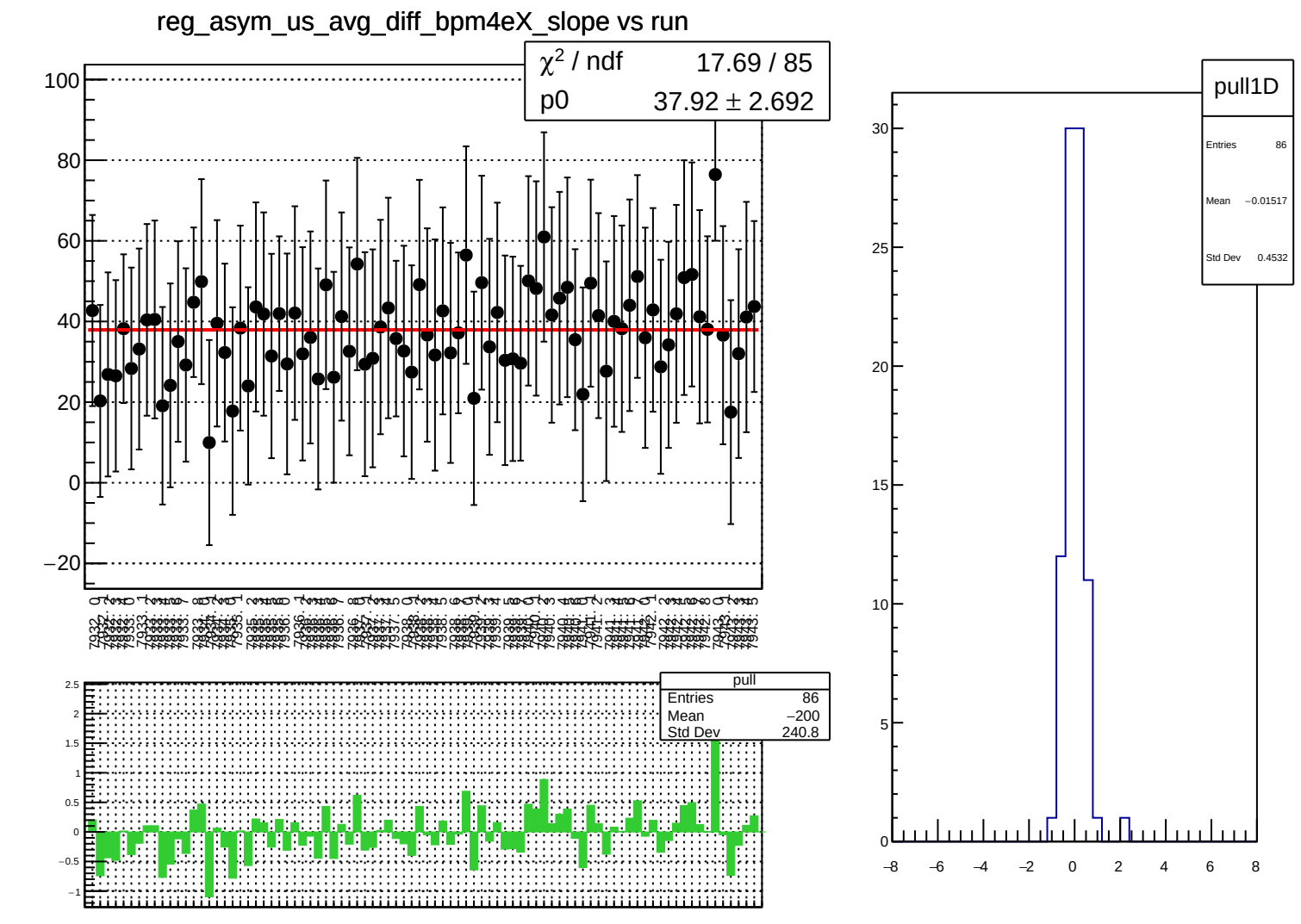

pull1D
Entries 80
Mean −0.002175
Std Dev 0.9596
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

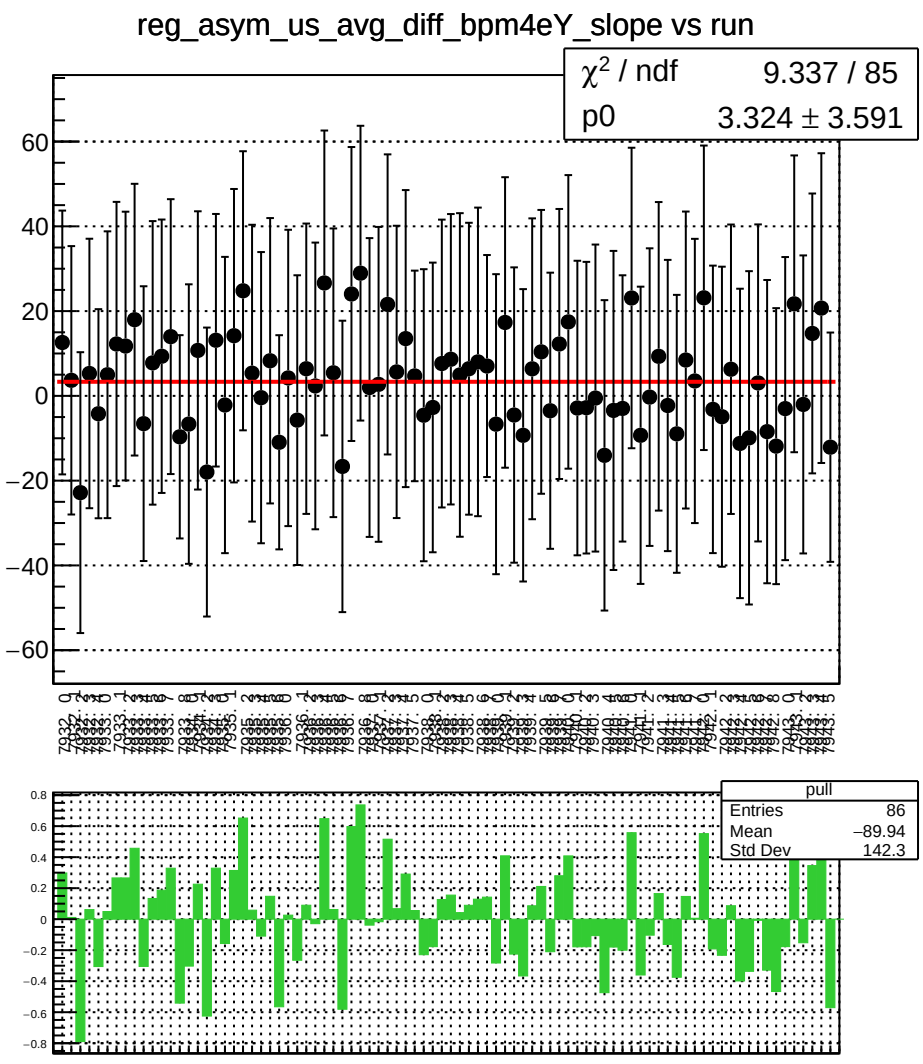

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 77.58 / 85
p0 −7.902 ± 15.94
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −28.12
Std Dev 85.67
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.01426
Std Dev 0.9497
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

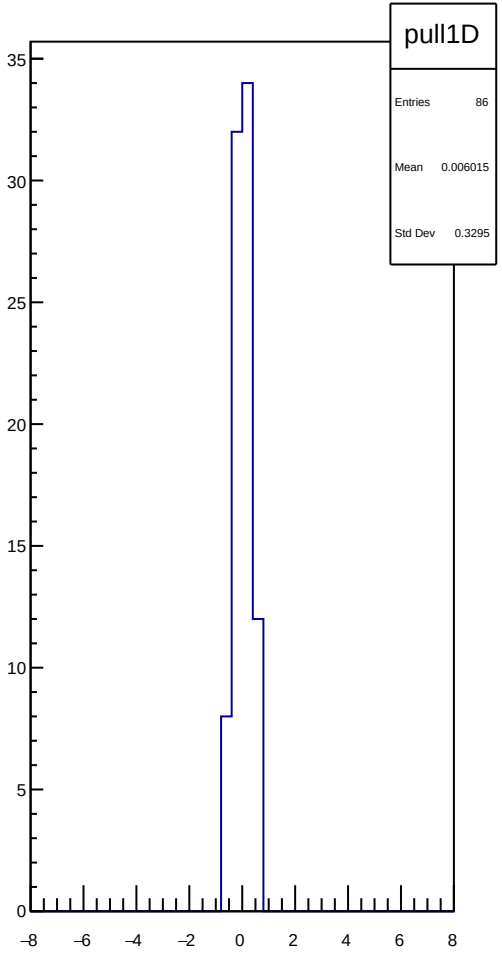

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 17.21 / 85
p0 −39.45 ± 2.992
pull
Entries 86
Mean −207
Std Dev 247.6

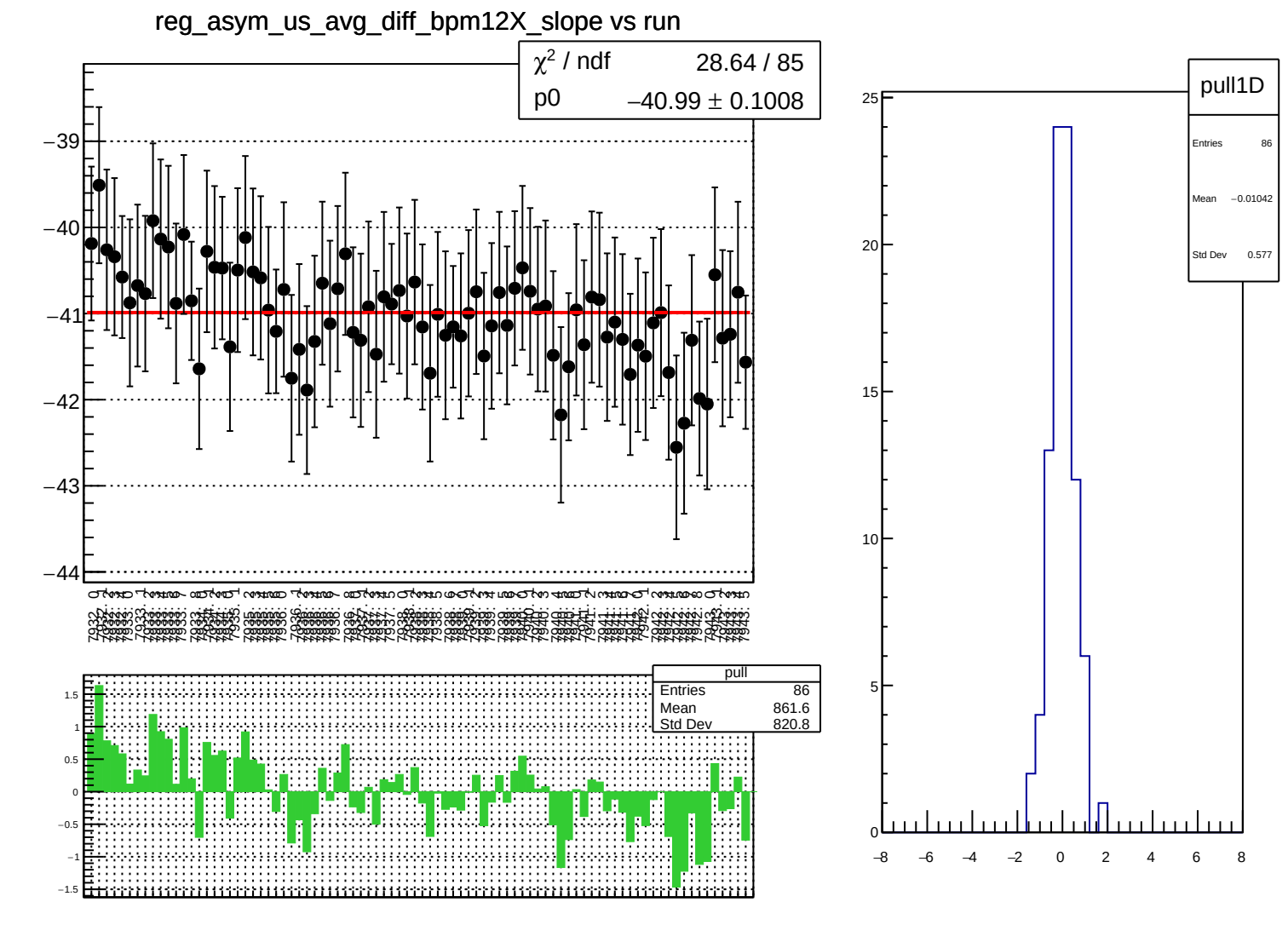

pull1D
Entries 86
Mean 0.01418
Std Dev 0.4472

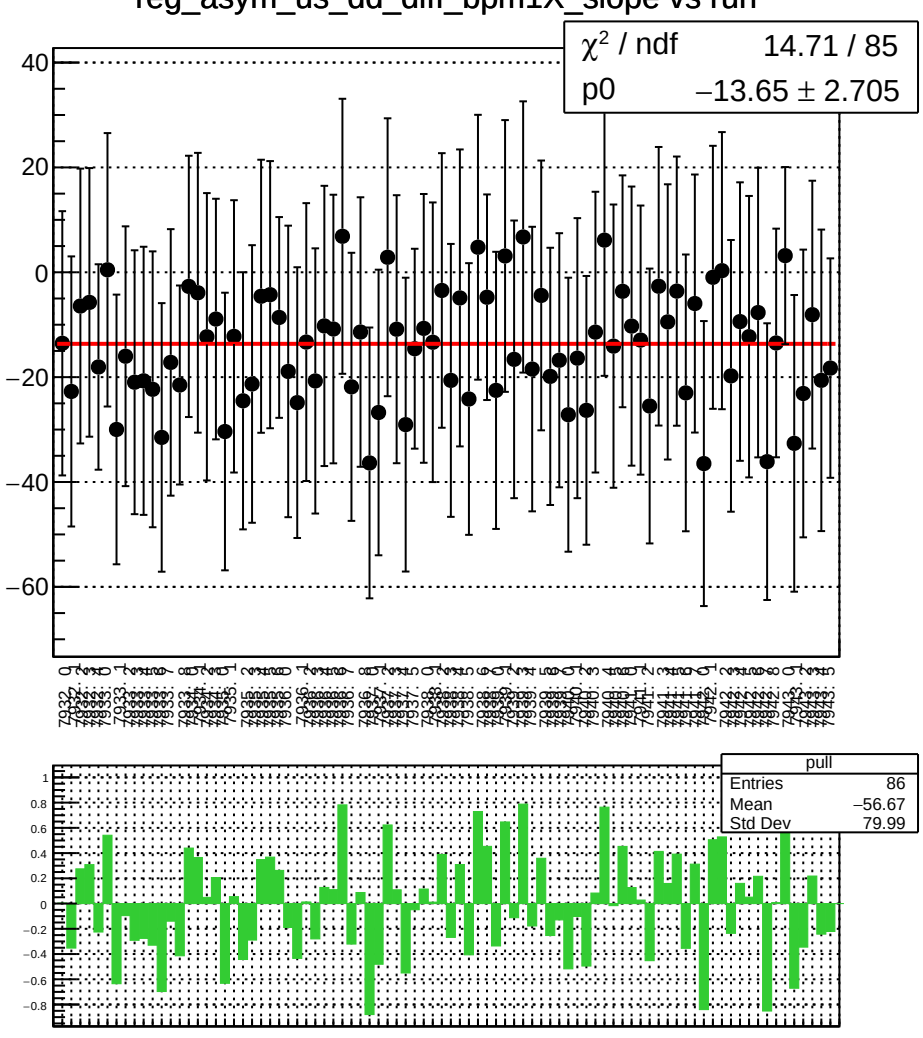

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.407 / 85
p0 19.6 ± 3.115
pull
Entries 86
Mean −198.5
Std Dev 246.9
pull1D
Entries 86
Mean −0.004831
Std Dev 0.3307

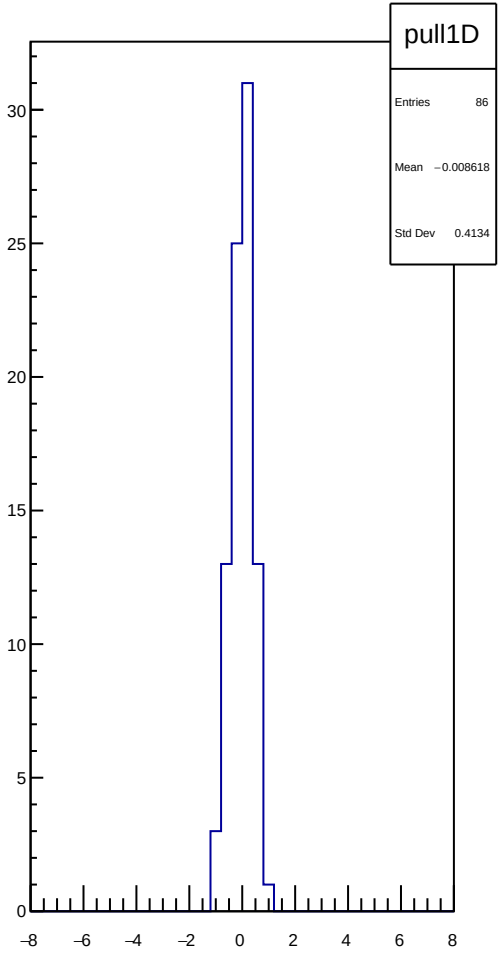

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.69 / 85
p0 37.92 ± 2.692
pull
Entries 86
Mean −200
Std Dev 240.8
pull1D
Entries 86
Mean −0.01517
Std Dev 0.4532

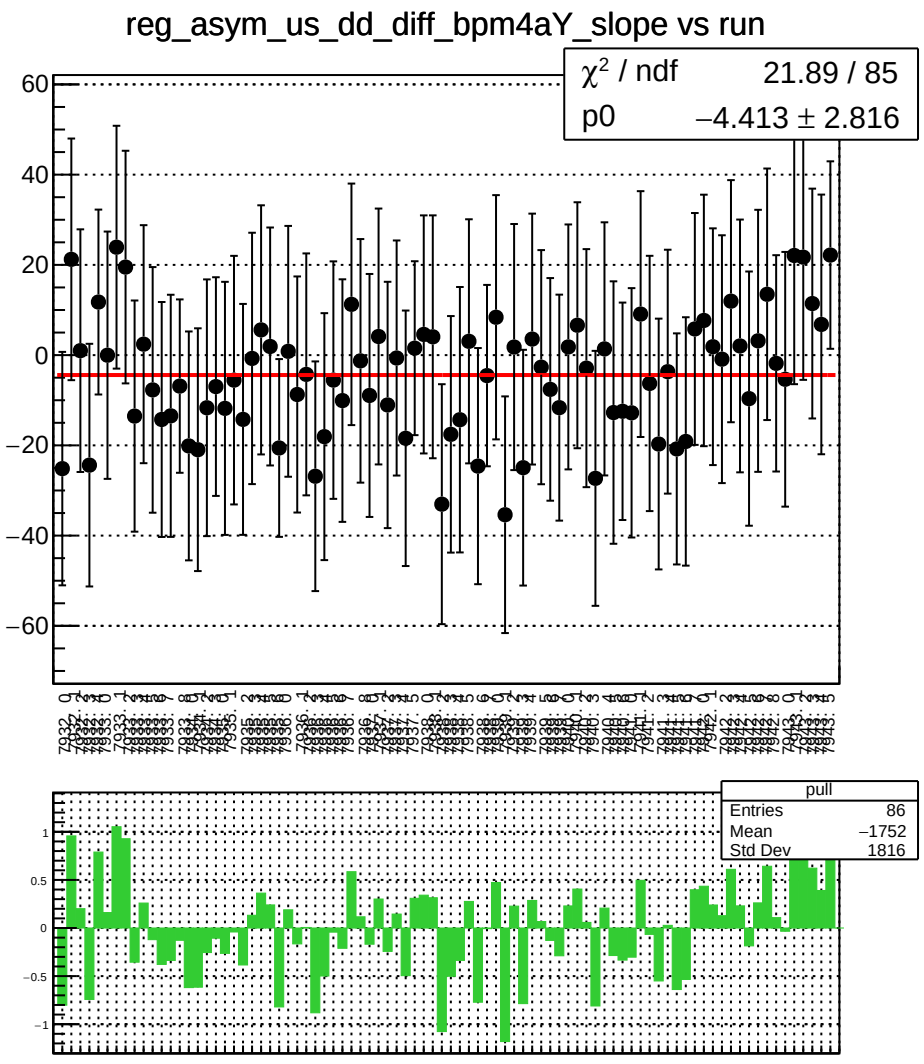

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.337 / 85
p0 3.324 ± 3.591
pull
Entries 86
Mean −89.94
Std Dev 142.3

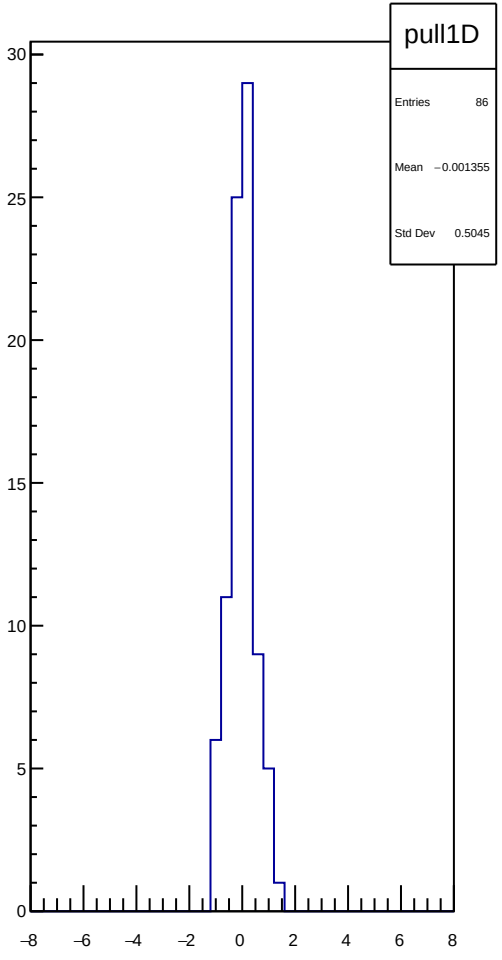

pull1D
Entries 86
Mean 0.006015
Std Dev 0.3295

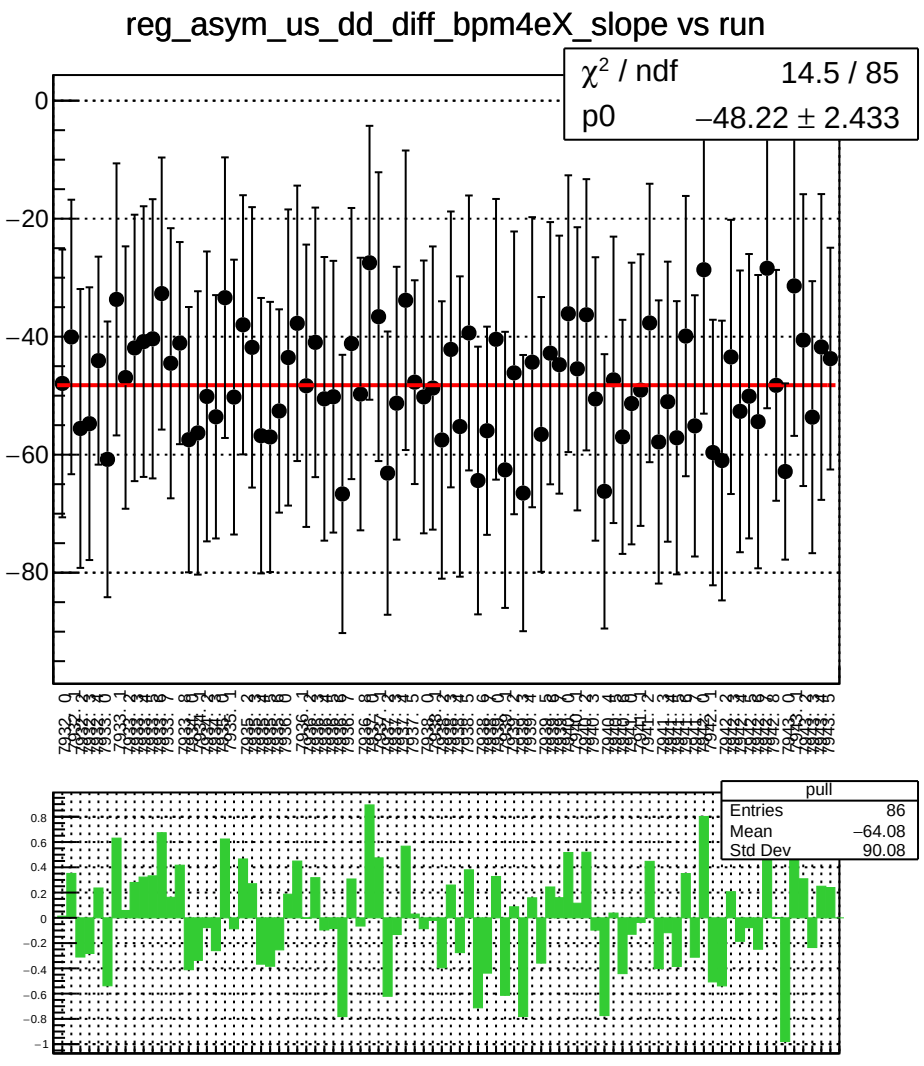

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 28.64 / 85
p0 −40.99 ± 0.1008
pull
Entries 86
Mean 861.6
Std Dev 820.8
pull1D
Entries 86
Mean −0.01042
Std Dev 0.577

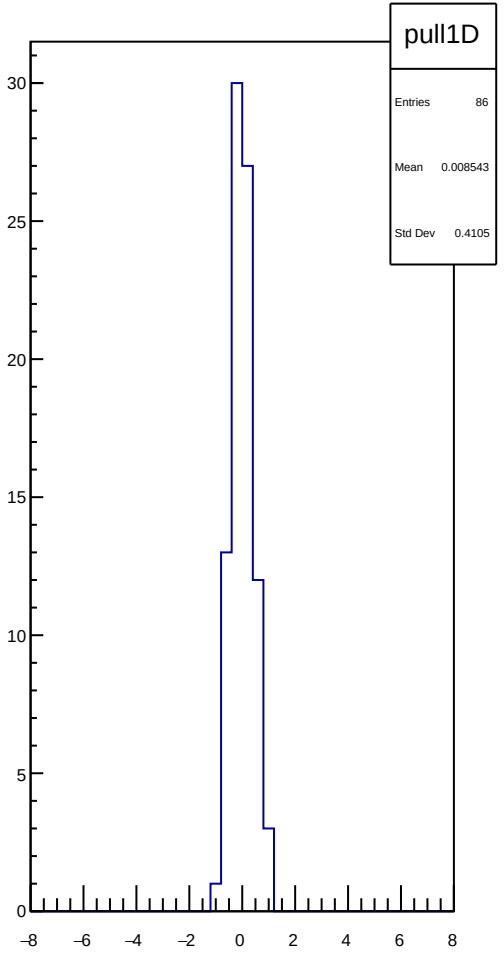

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 14.71 / 85
p0 −13.65 ± 2.705
pull
Entries 86
Mean −56.67
Std Dev 79.99

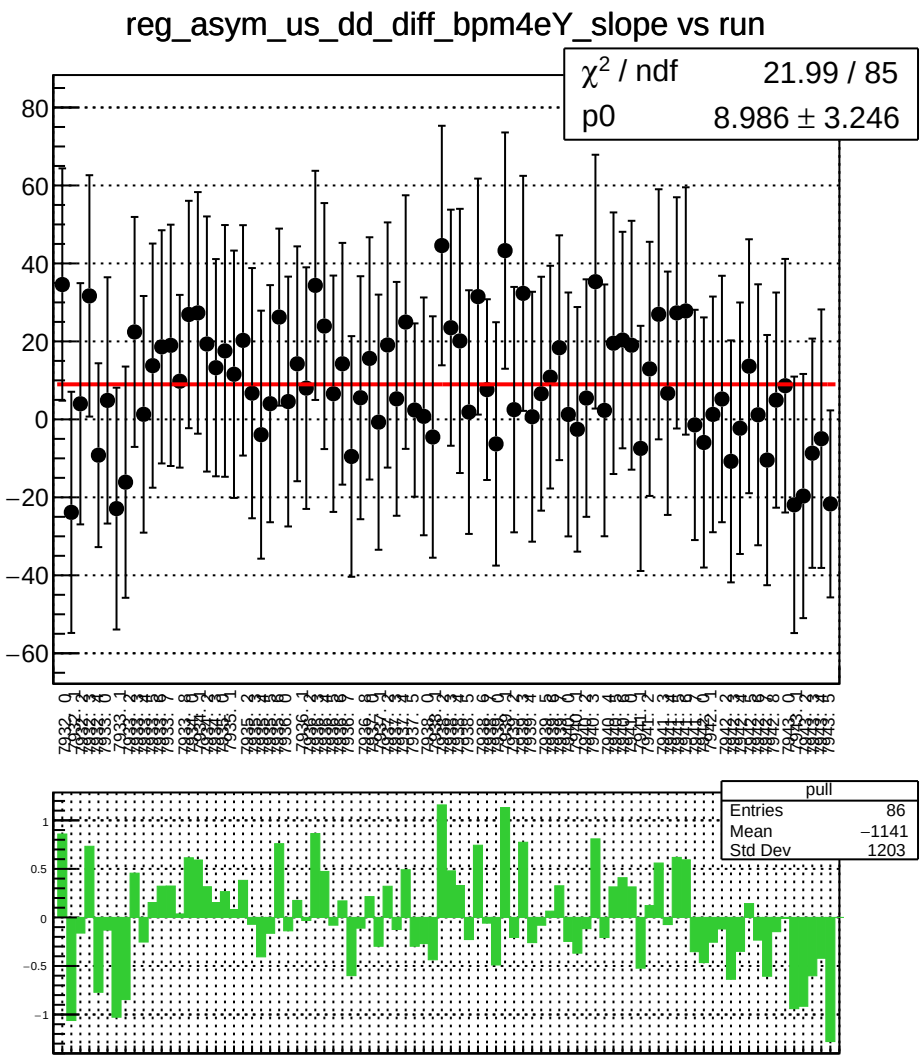

pull1D
Entries 86
Mean −0.008618
Std Dev 0.4134

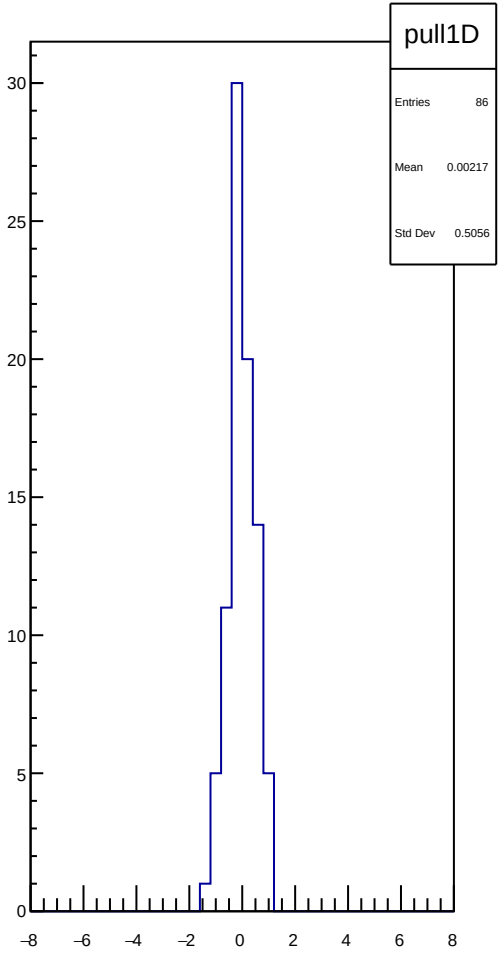

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.89 / 85
p0 −4.413 ± 2.816
pull
Entries 86
Mean −1752
Std Dev 1816

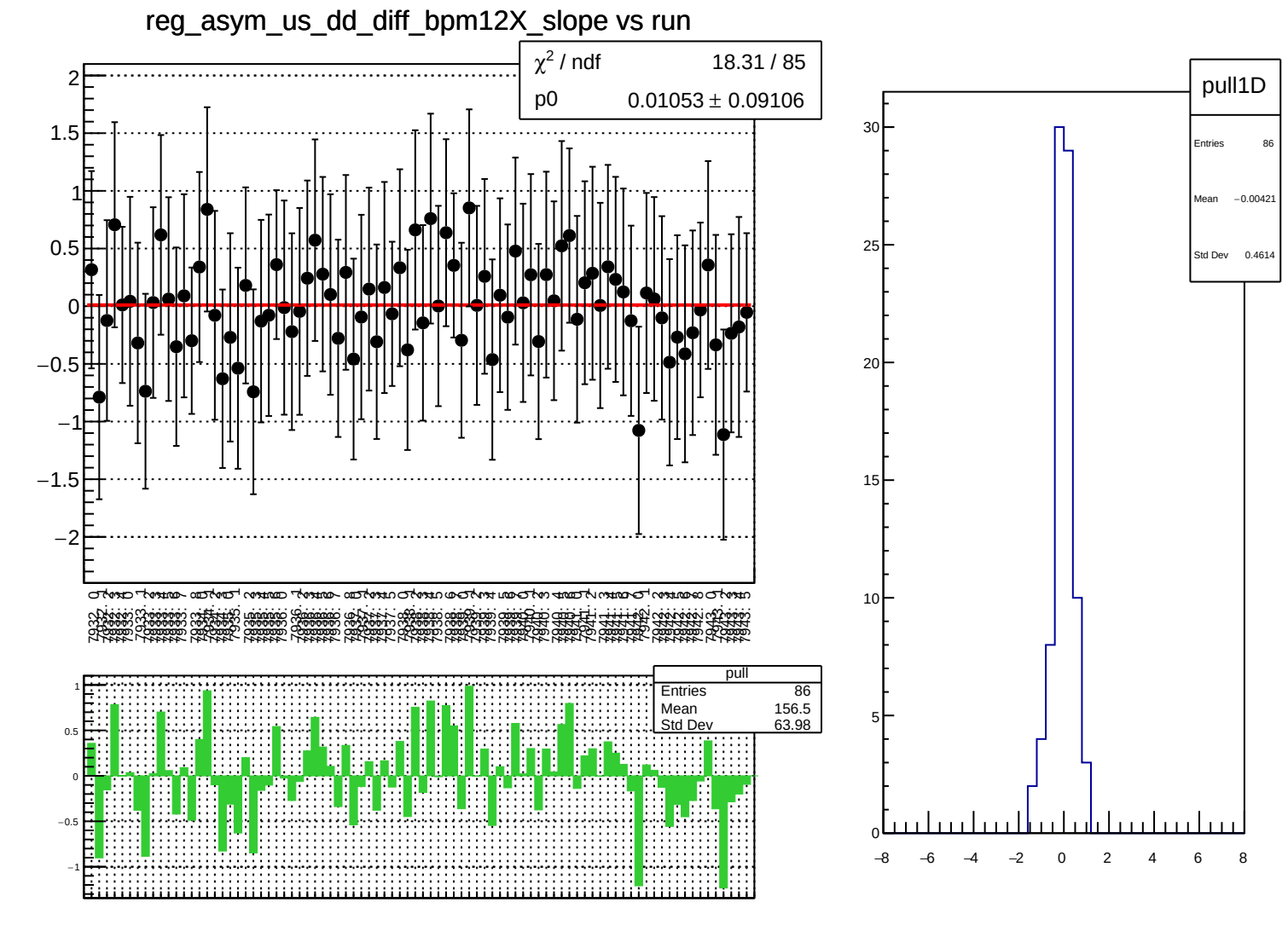

pull1D
Entries 86
Mean −0.001355
Std Dev 0.5045

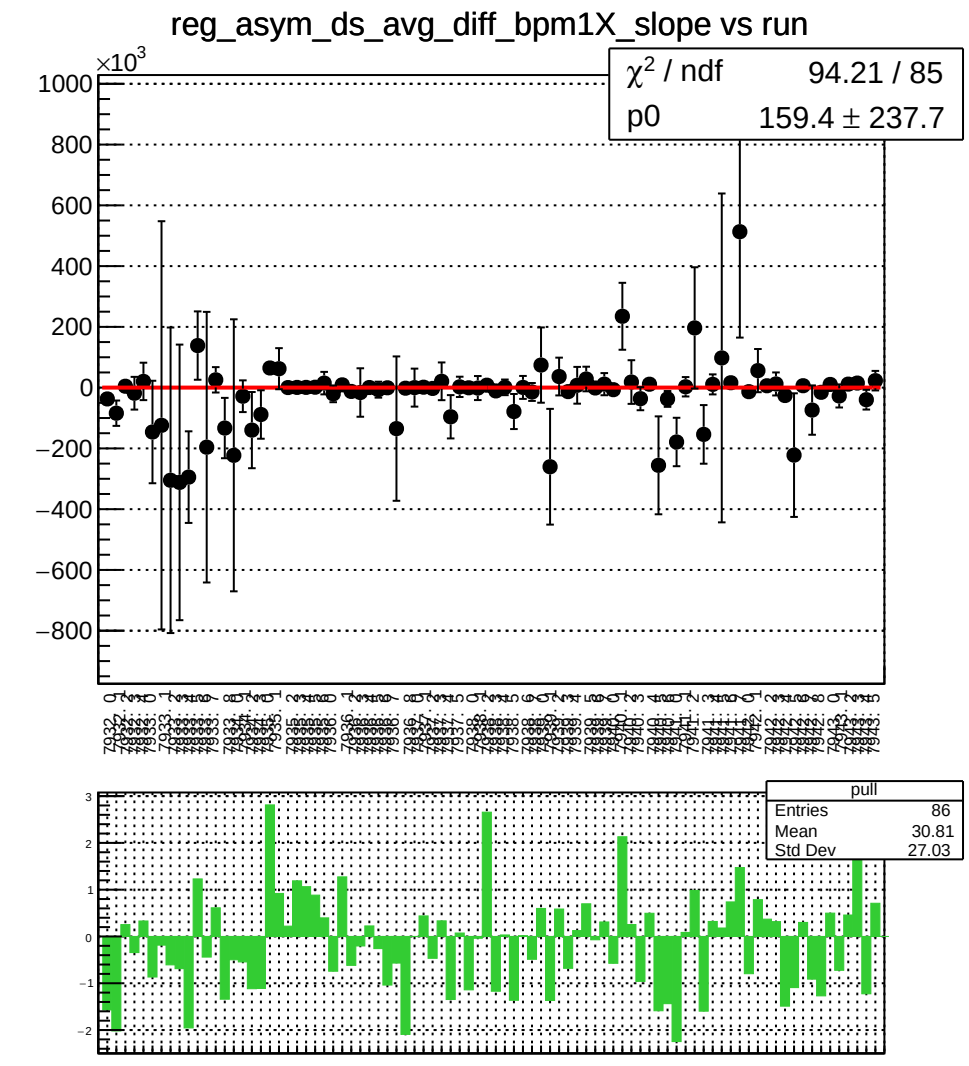

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.5 / 85
p0 −48.22 ± 2.433
pull
Entries 86
Mean −64.08
Std Dev 90.08

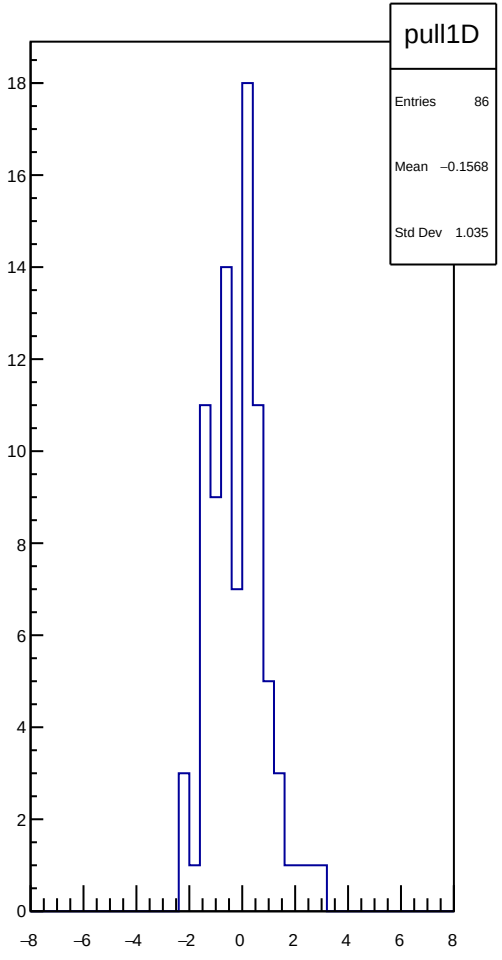

pull1D
Entries 86
Mean 0.008543
Std Dev 0.4105

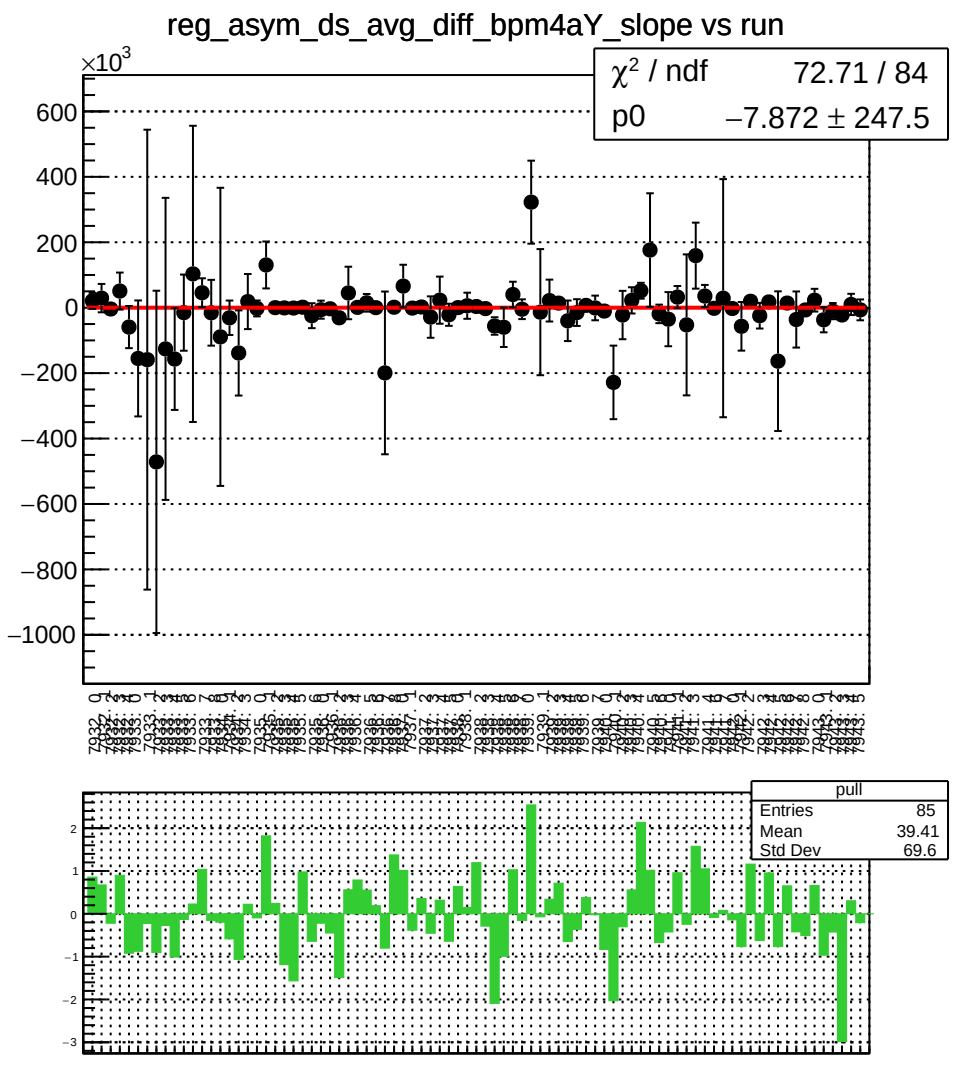

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.99 / 85
p0 8.986 ± 3.246
pull
Entries 86
Mean −1141
Std Dev 1203

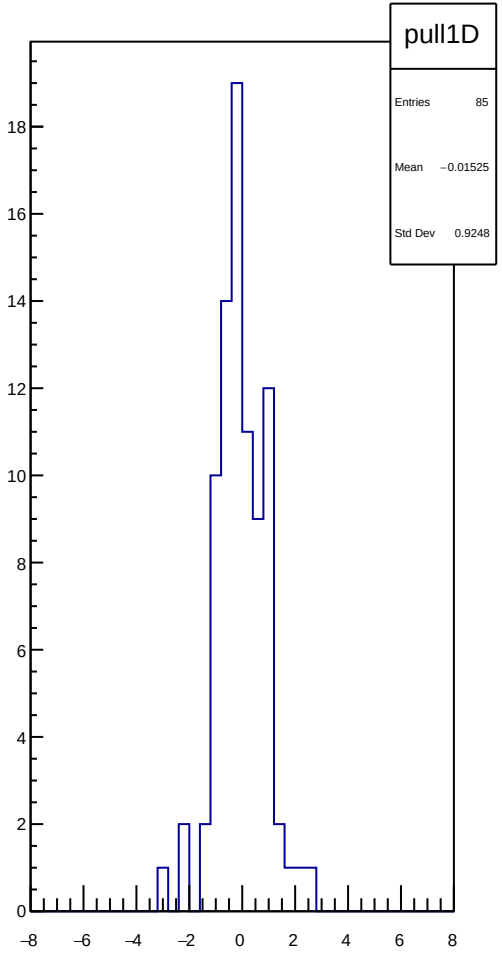

pull1D
Entries 86
Mean 0.00217
Std Dev 0.5056

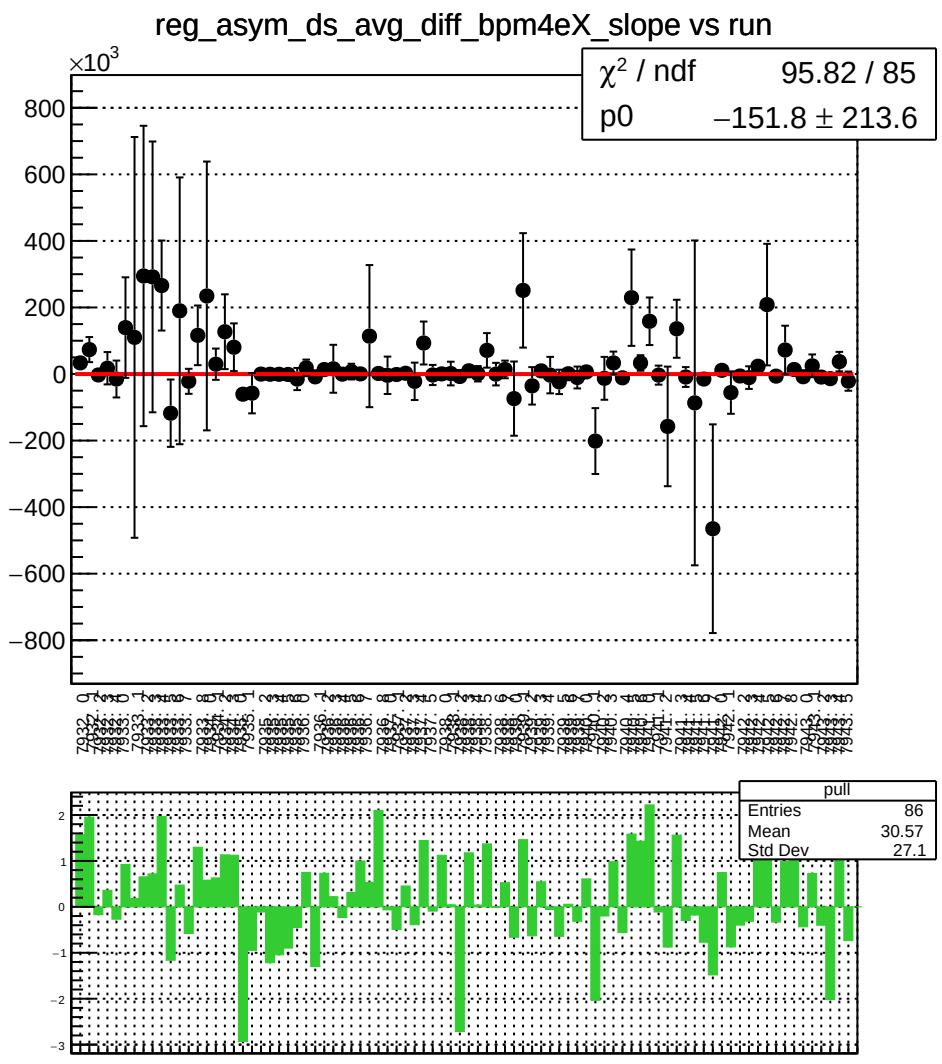

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 18.31 / 85
p0 0.01053 ± 0.09106
pull
Entries 86
Mean 156.5
Std Dev 63.98
pull1D
Entries 86
Mean −0.00421
Std Dev 0.4614

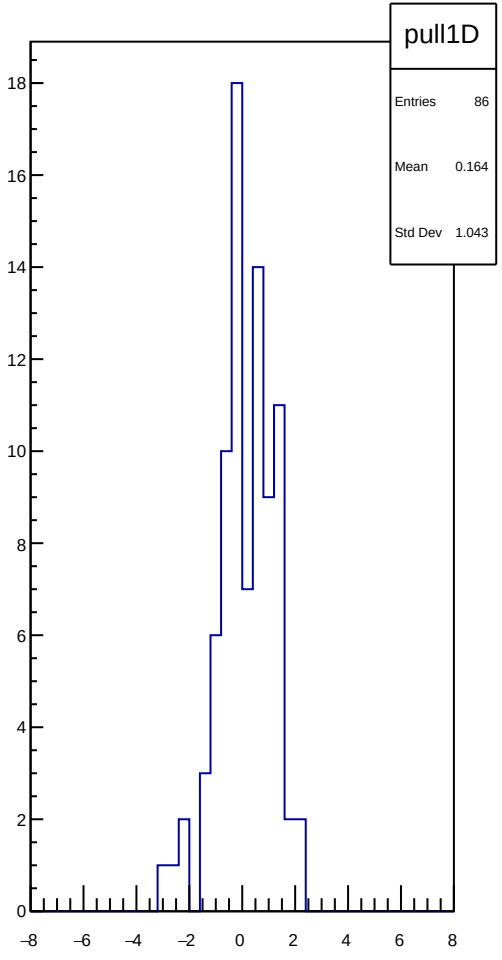

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 94.21 / 85
p0 159.4 ± 237.7
pull
Entries 86
Mean 30.81
Std Dev 27.03

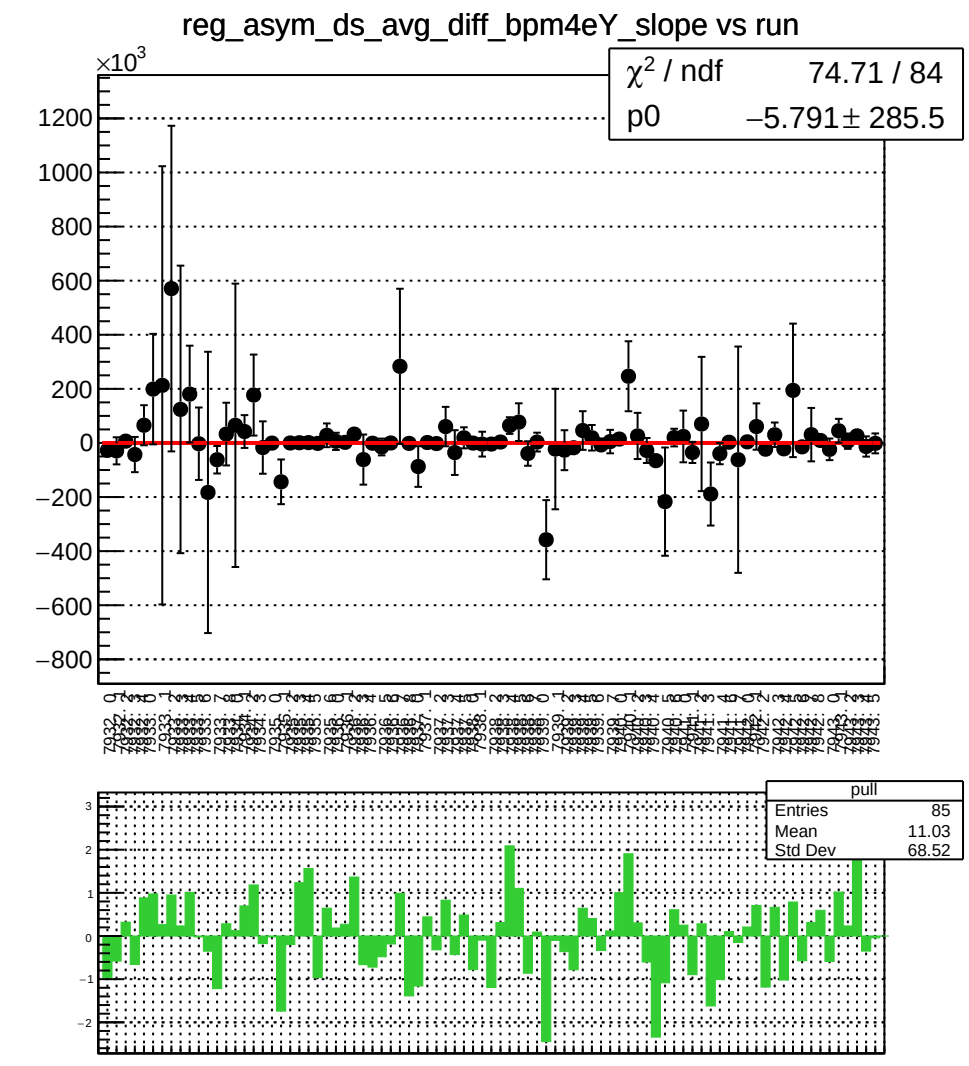

pull1D
Entries 86
Mean −0.1568
Std Dev 1.035

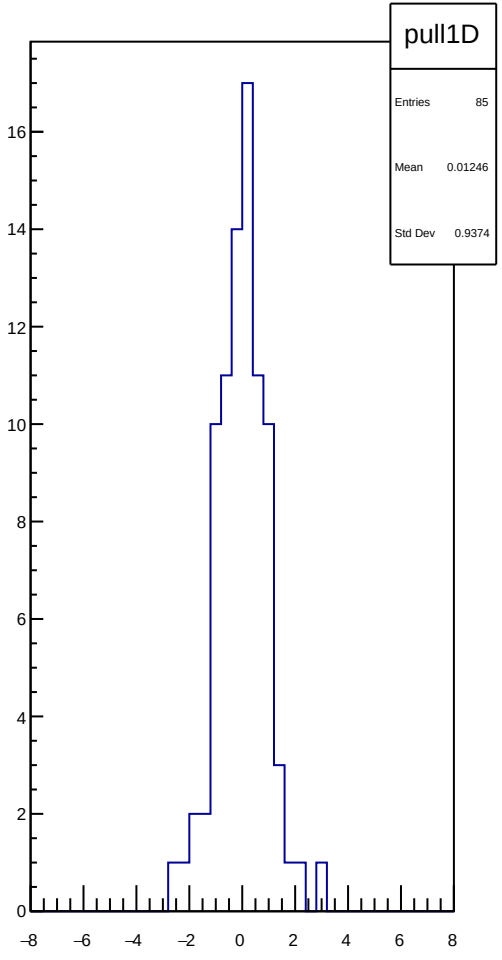

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 72.71 / 84
p0 −7.872 ± 247.5
pull
Entries 85
Mean 39.41
Std Dev 69.6

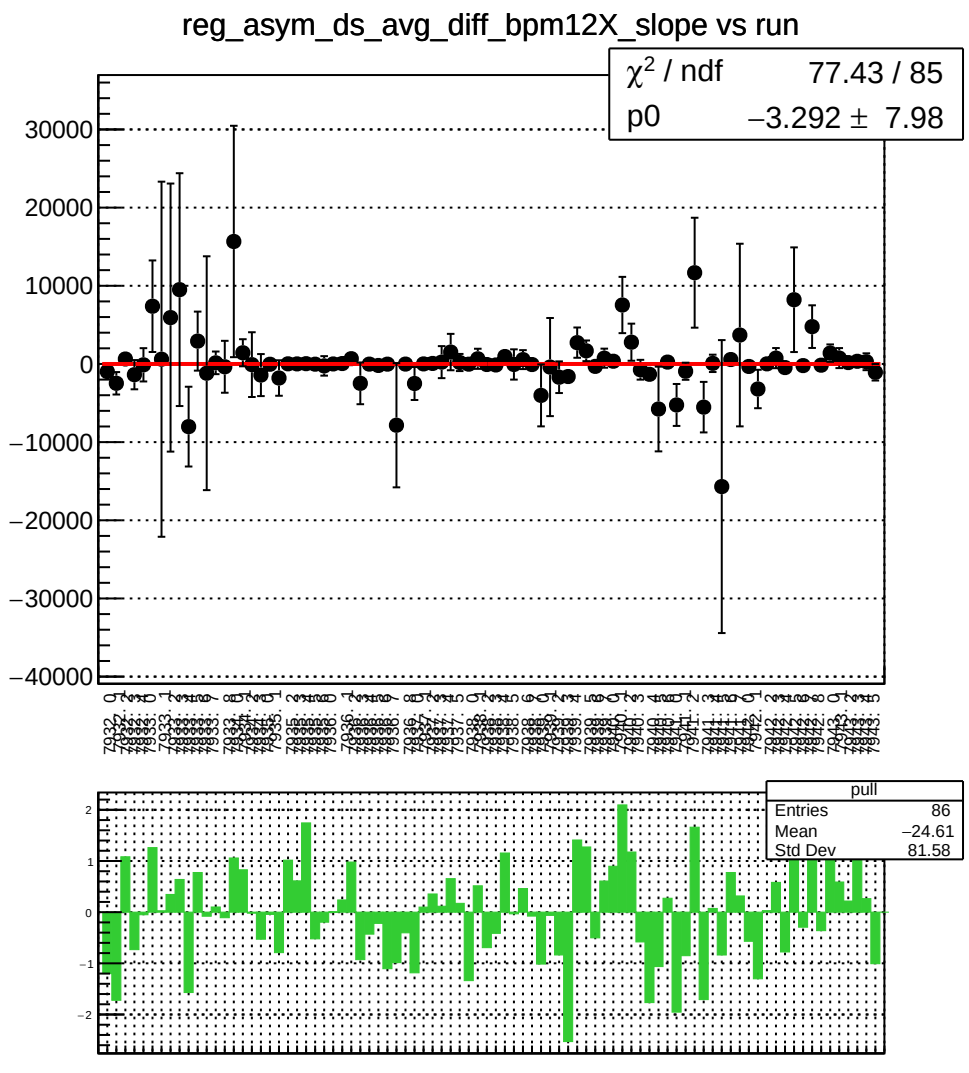

pull1D
Entries 85
Mean −0.01525
Std Dev 0.9248

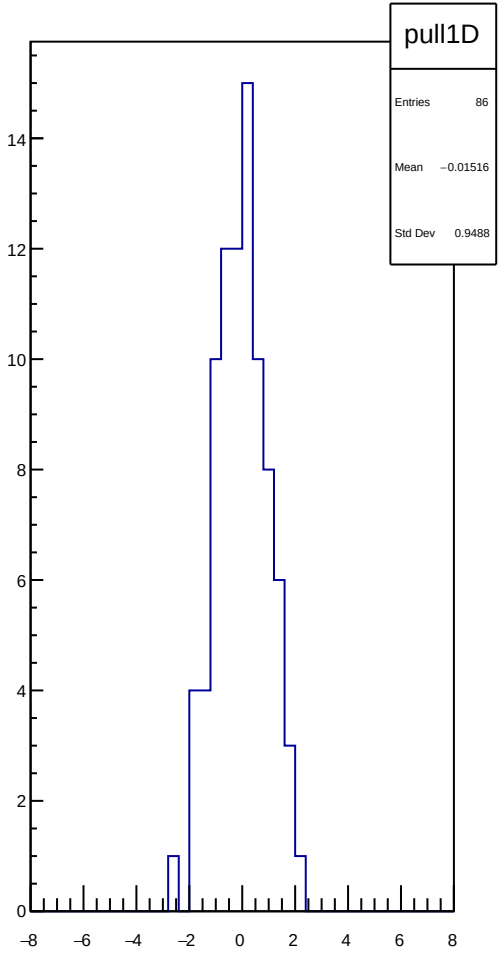

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 95.82 / 85
p0 −151.8 ± 213.6
×10^3
pull
Entries 86
Mean 30.57
Std Dev 27.1

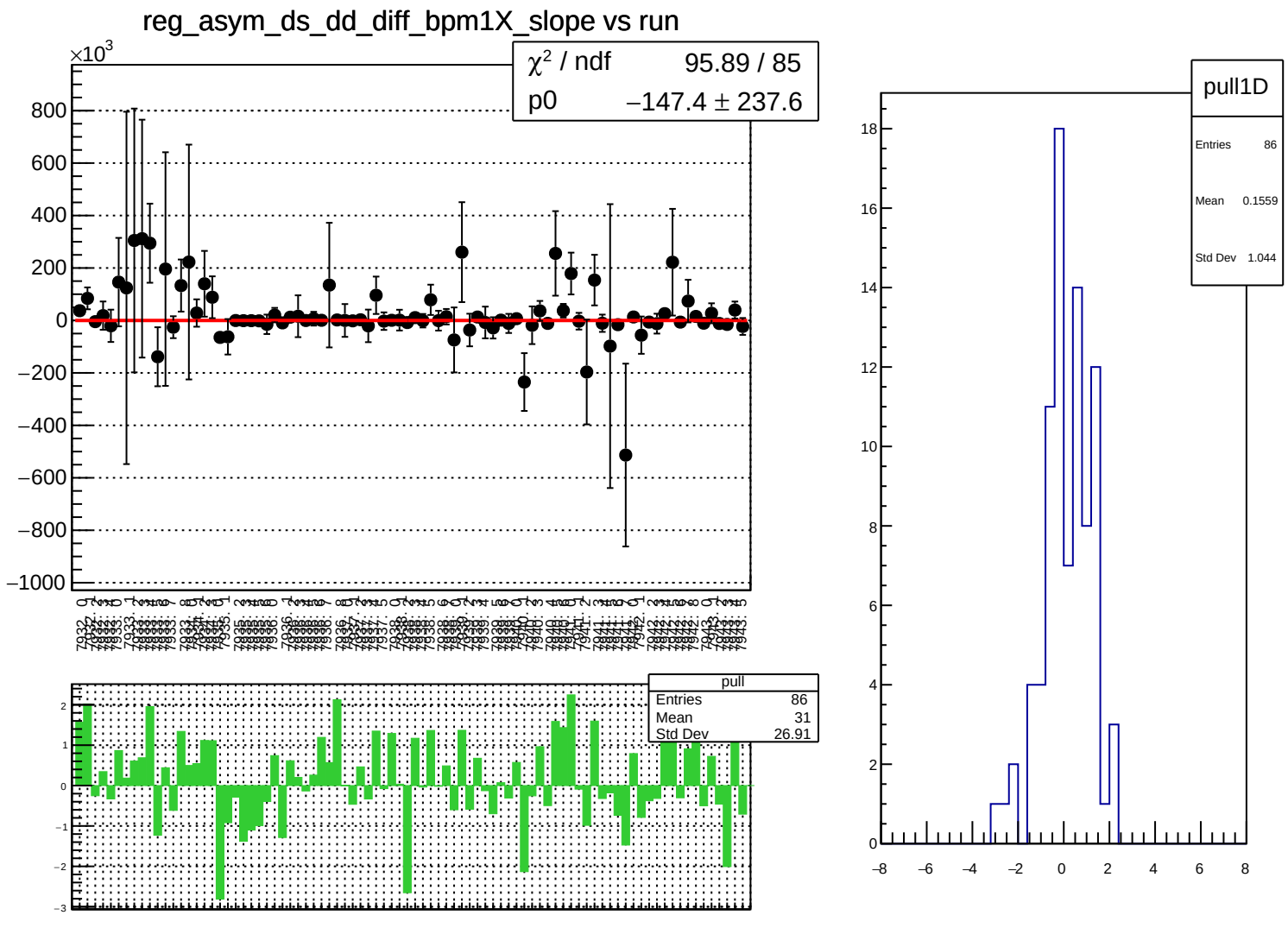

pull1D
Entries 86
Mean 0.164
Std Dev 1.043

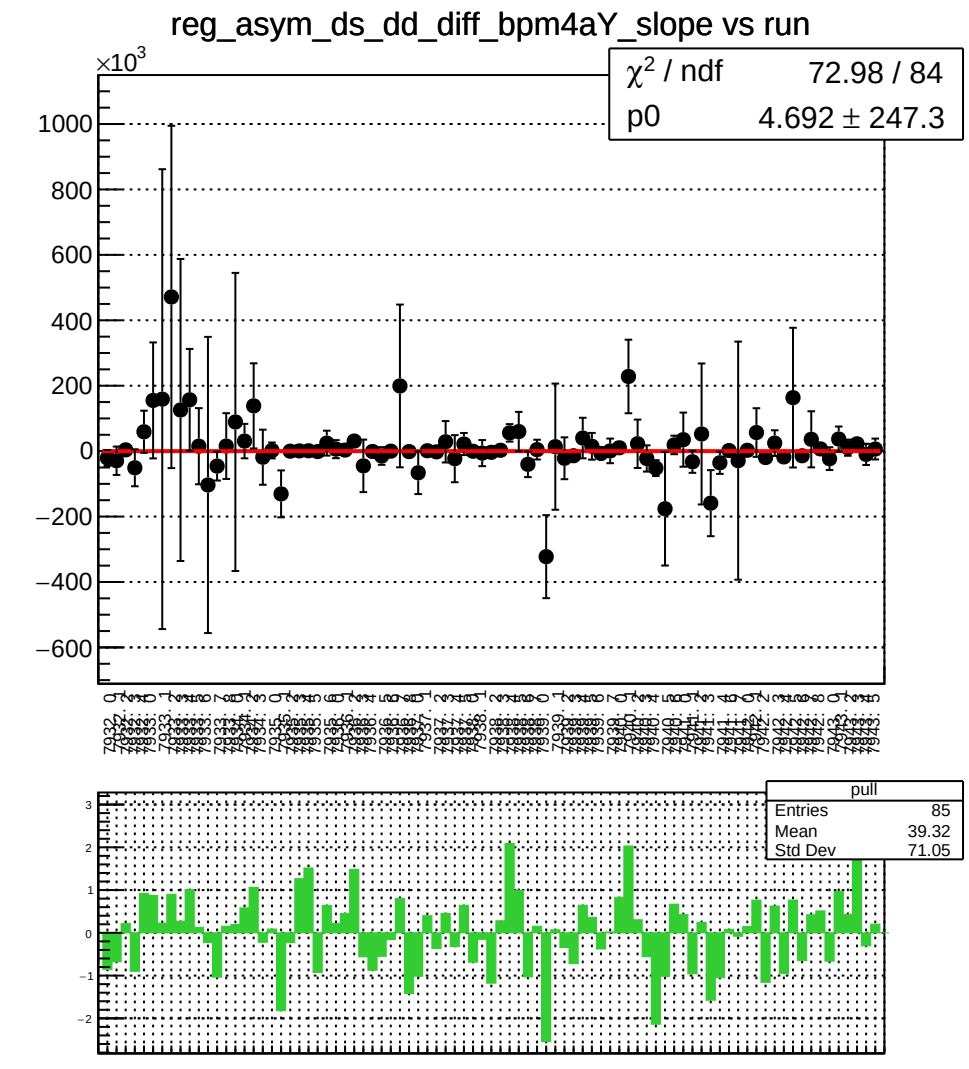

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 74.71 / 84
p0 −5.791 ± 285.5
pull
Entries 85
Mean 11.03
Std Dev 68.52

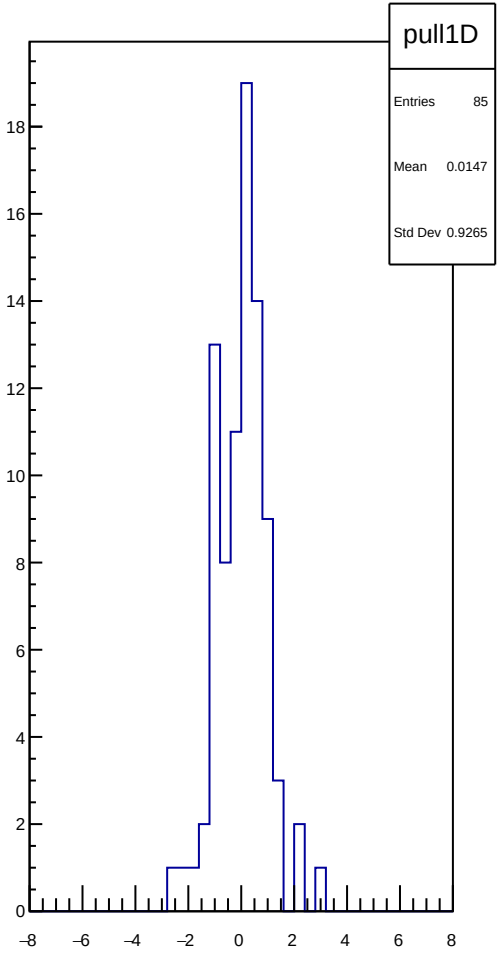

pull1D
Entries 85
Mean 0.01246
Std Dev 0.9374

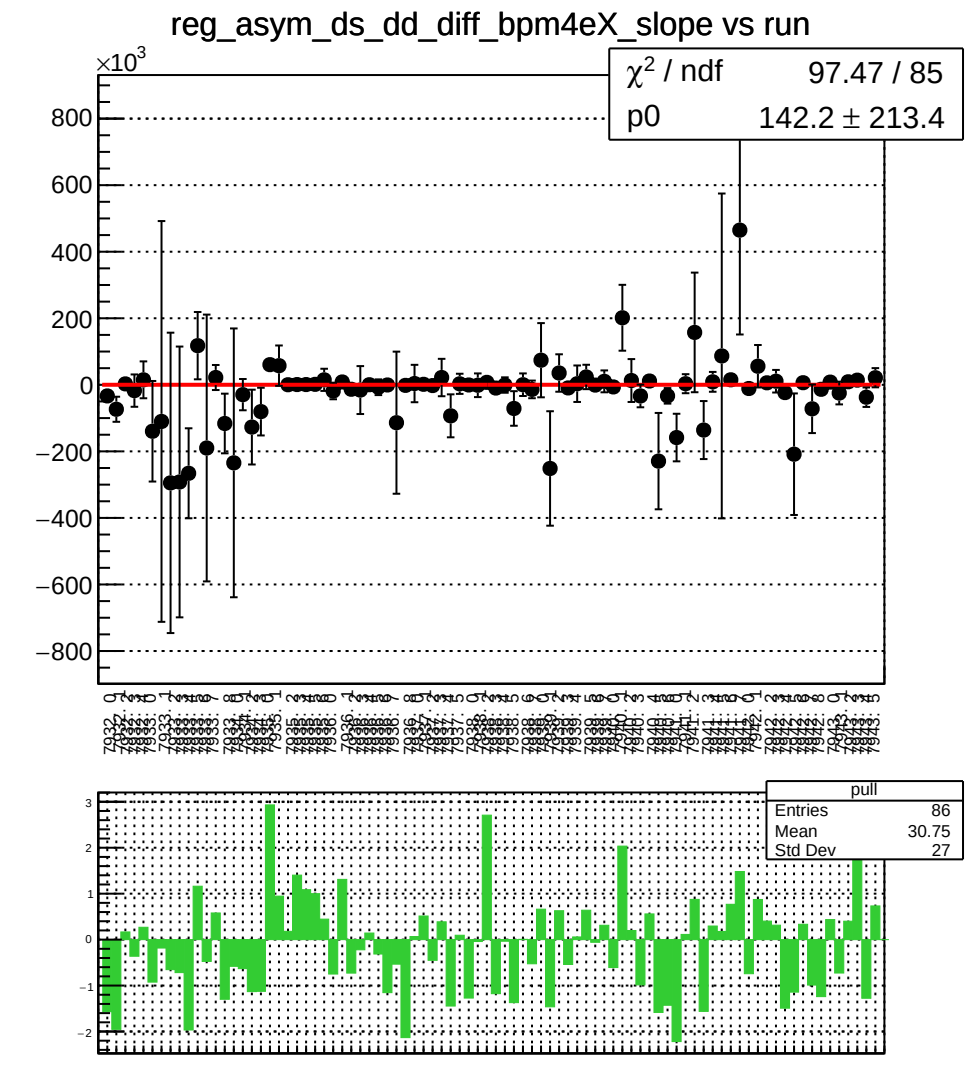

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 77.43 / 85
p0 −3.292 ± 7.98
pull
Entries 86
Mean −24.61
Std Dev 81.58

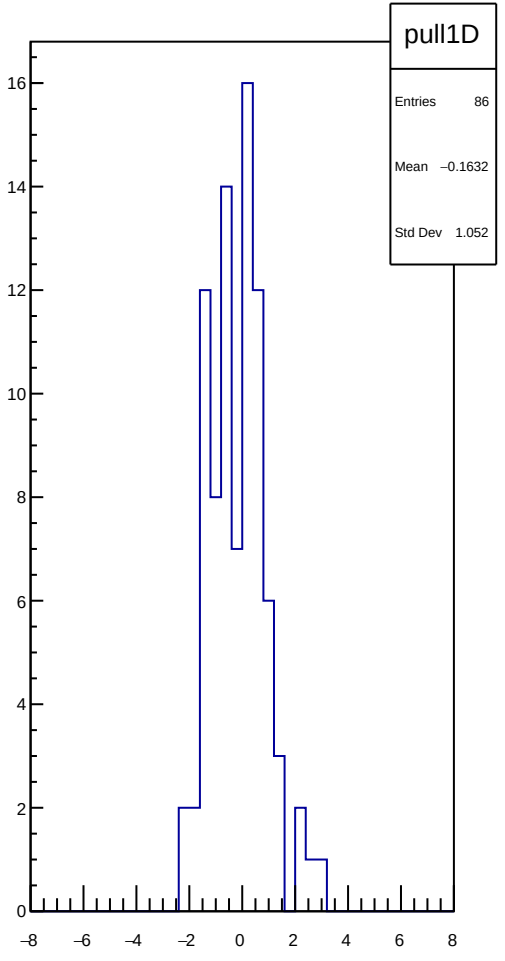

pull1D
Entries 86
Mean −0.01516
Std Dev 0.9488

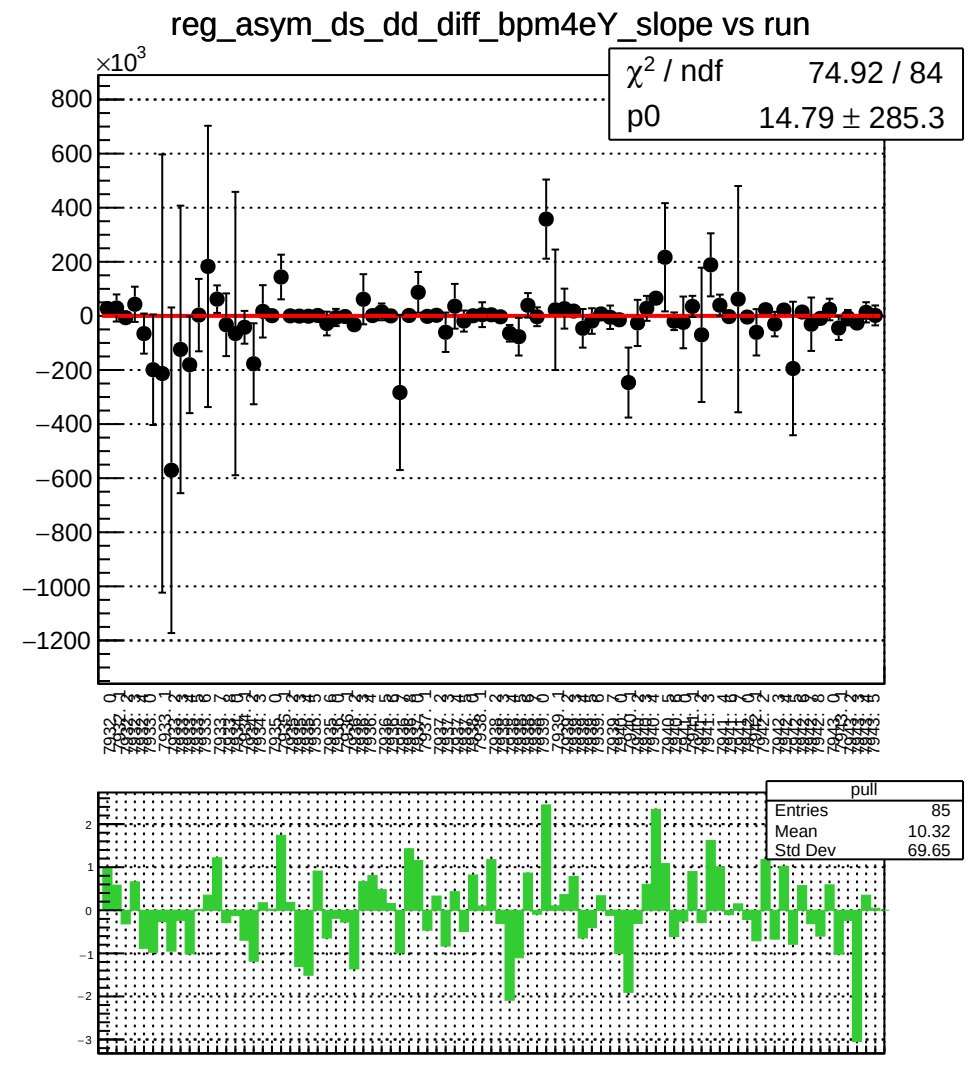

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 95.89 / 85
p0 −147.4 ± 237.6
pull
Entries 86
Mean 31
Std Dev 26.91
pull1D
Entries 86
Mean 0.1559
Std Dev 1.044

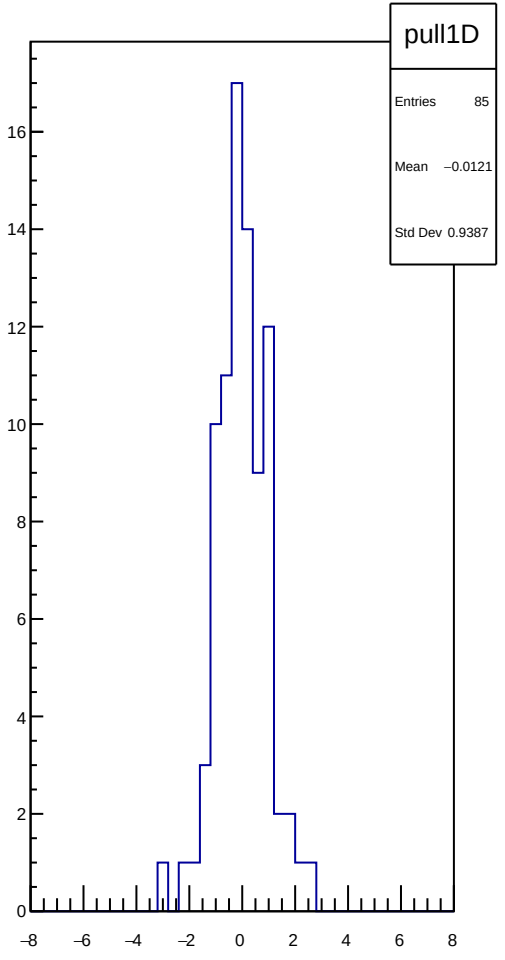

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 72.98 / 84
p0 4.692 ± 247.3
pull
Entries 85
Mean 39.32
Std Dev 71.05

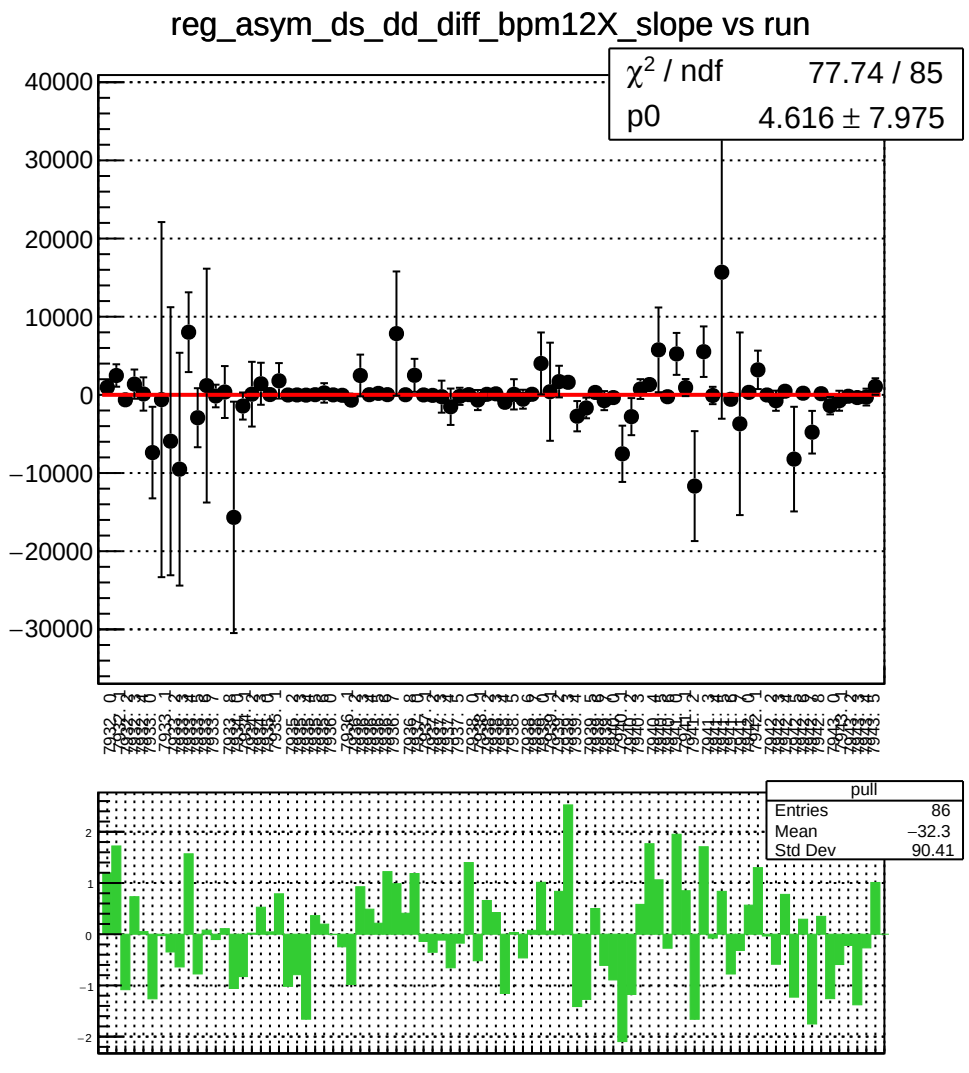

pull1D
Entries 85
Mean 0.0147
Std Dev 0.9265

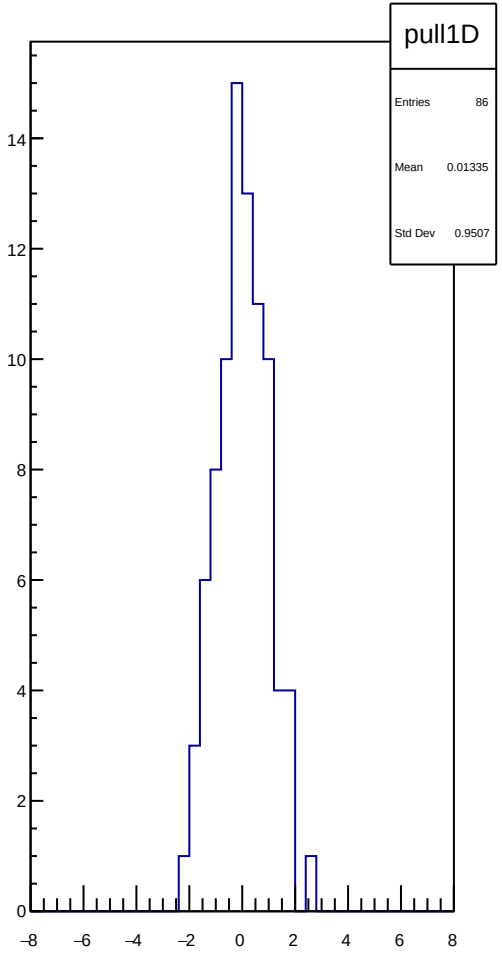

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 97.47 / 85
p0 142.2 ± 213.4
×10³
pull
Entries 86
Mean 30.75
Std Dev 27

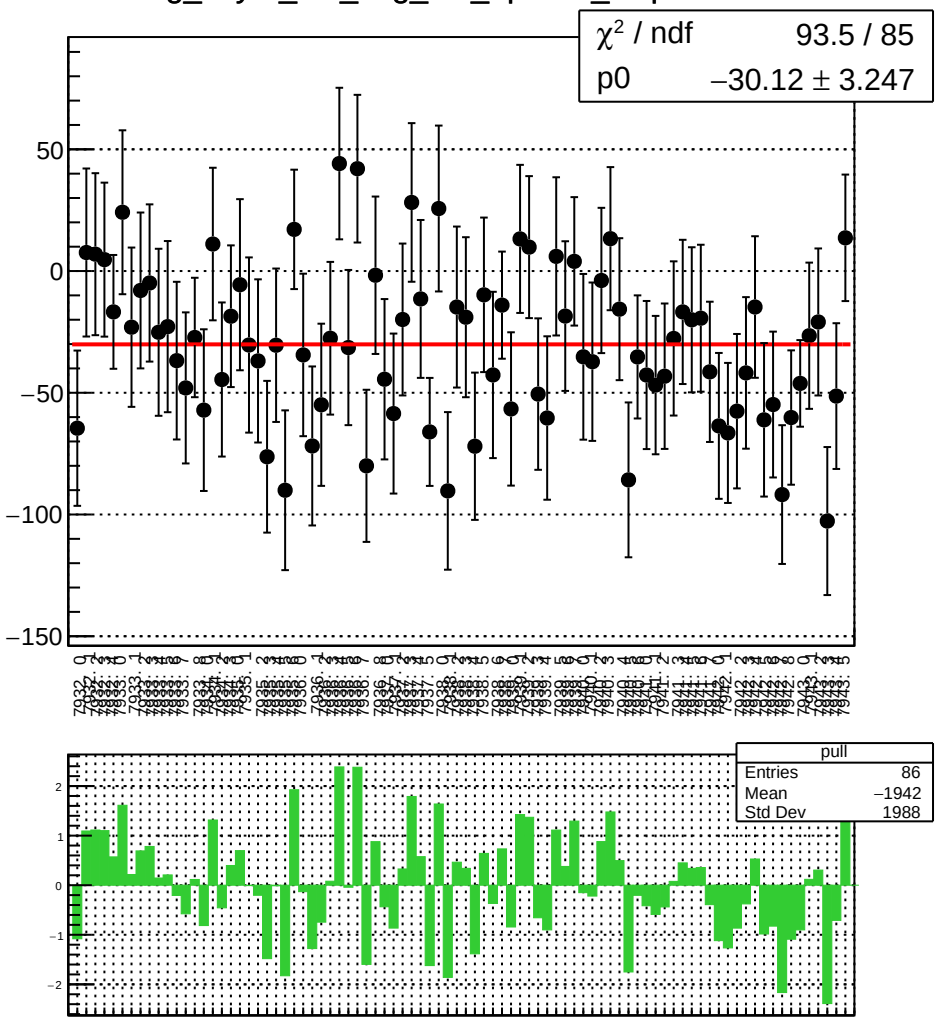

pull1D
Entries 86
Mean −0.1632
Std Dev 1.052

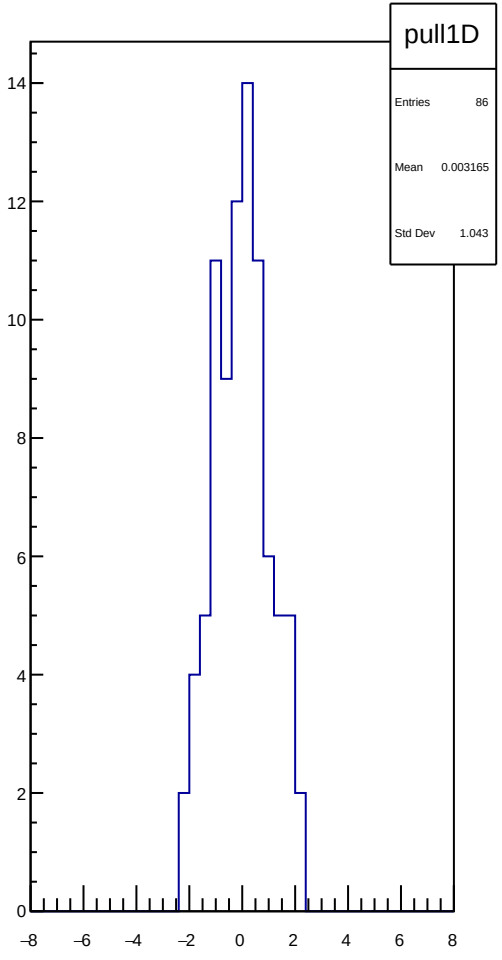

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 74.92 / 84
p0 14.79 ± 285.3
pull
Entries 85
Mean 10.32
Std Dev 69.65

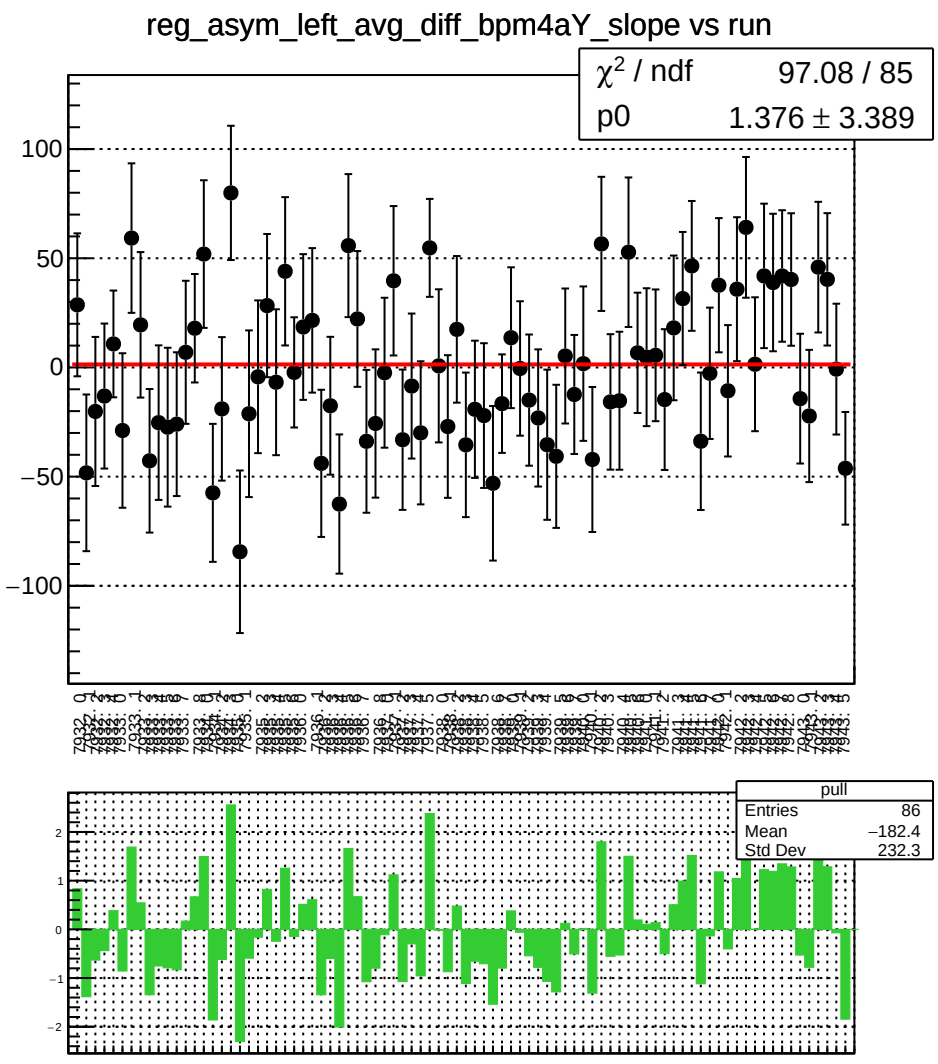

pull1D
Entries 85
Mean −0.0121
Std Dev 0.9387

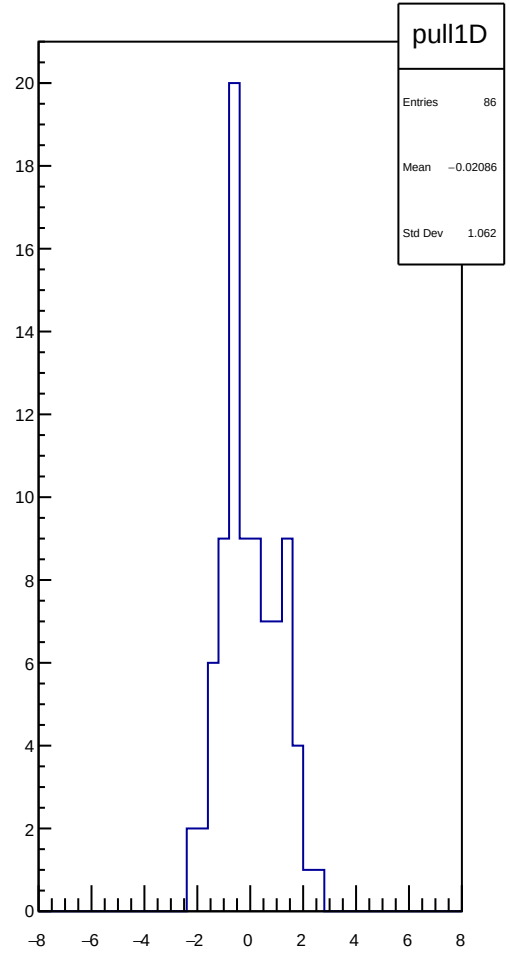

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 77.74 / 85
p0 4.616 ± 7.975
pull
Entries 86
Mean −32.3
Std Dev 90.41

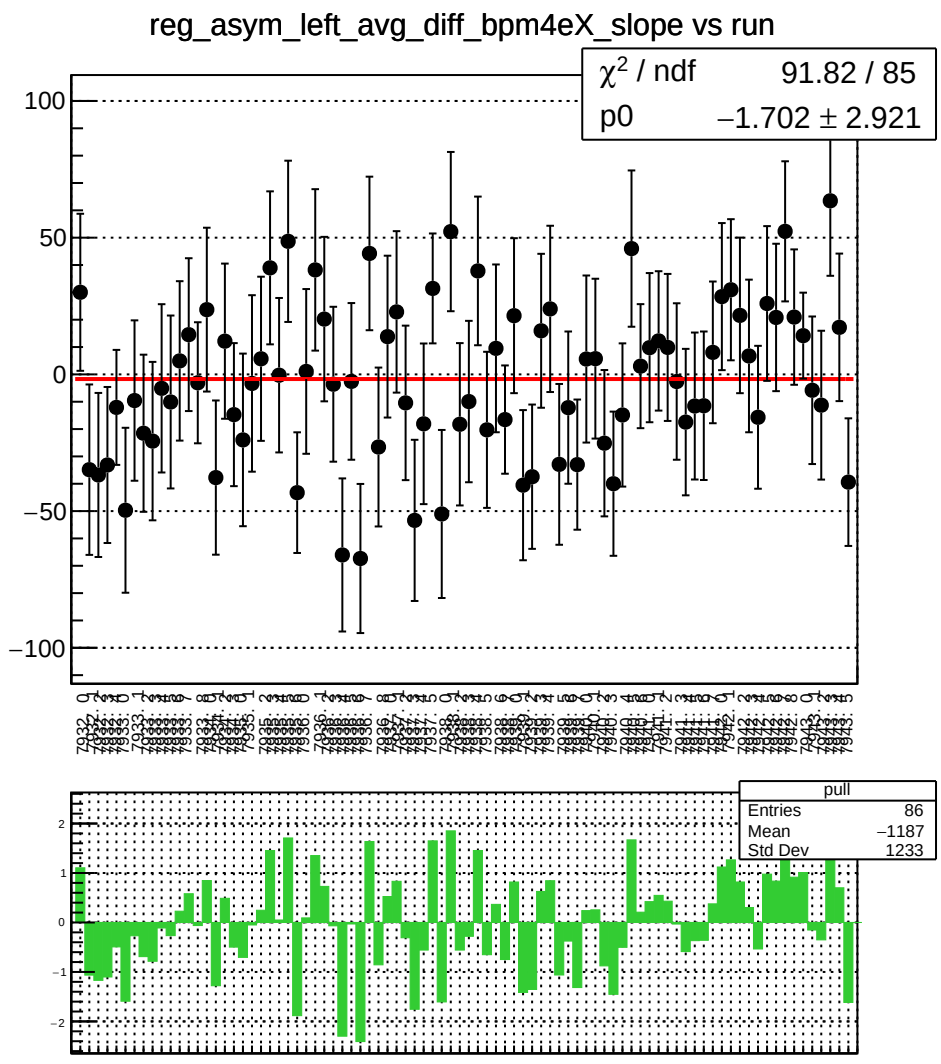

pull1D
Entries 86
Mean 0.01335
Std Dev 0.9507

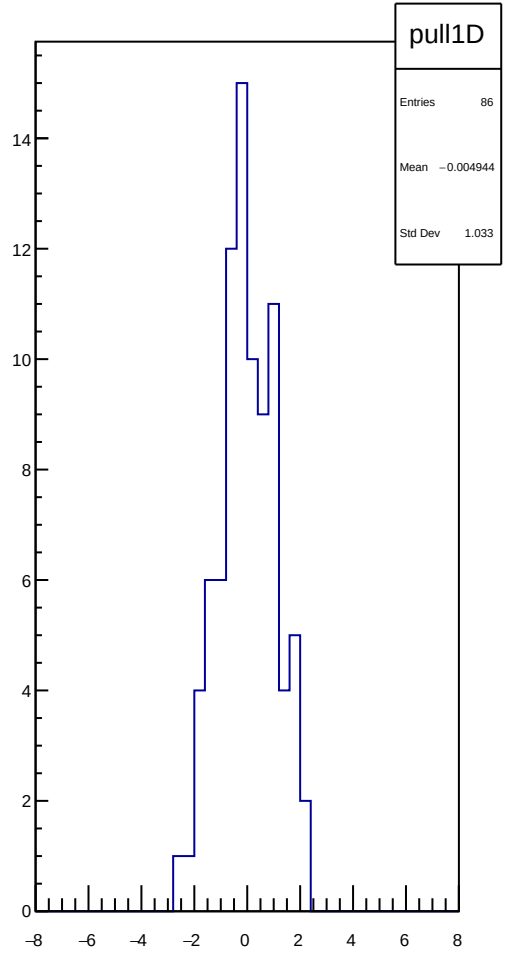

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 93.5 / 85
p0 −30.12 ± 3.247
pull
Entries 86
Mean −1942
Std Dev 1988

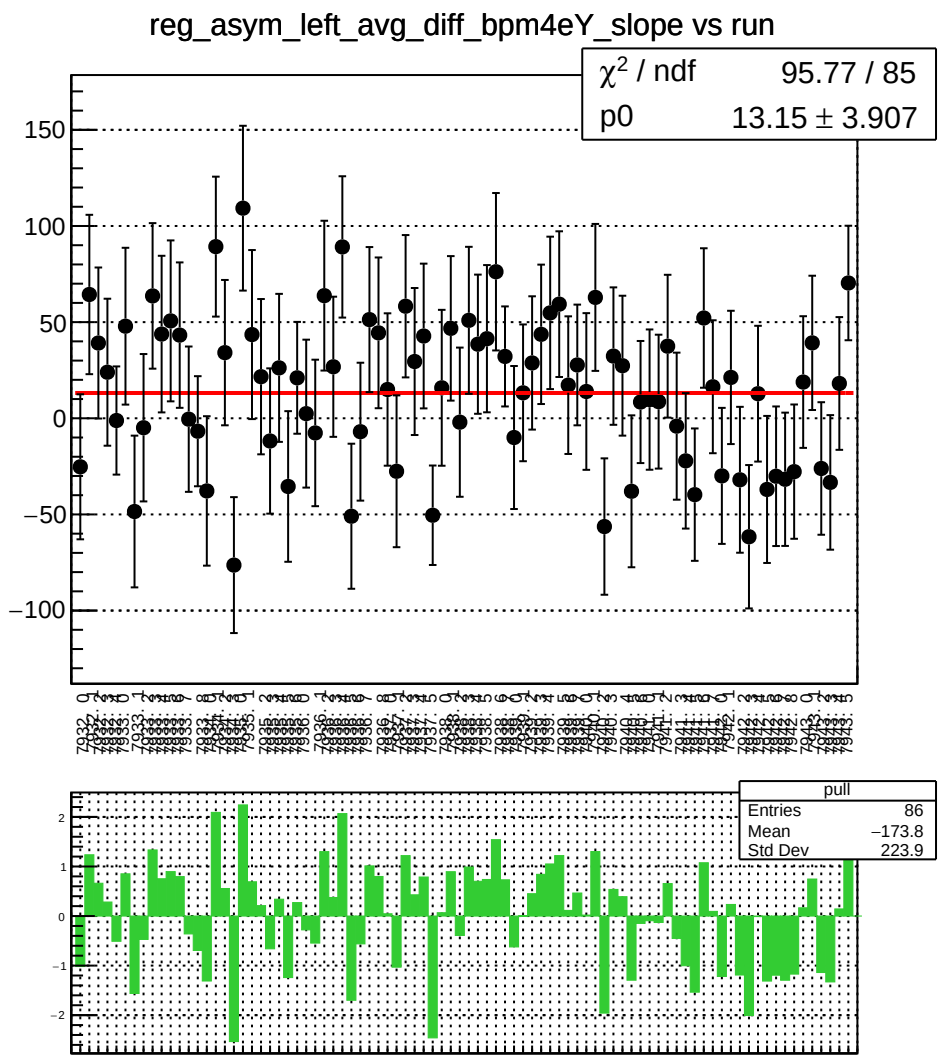

pull1D
Entries 86
Mean 0.003165
Std Dev 1.043

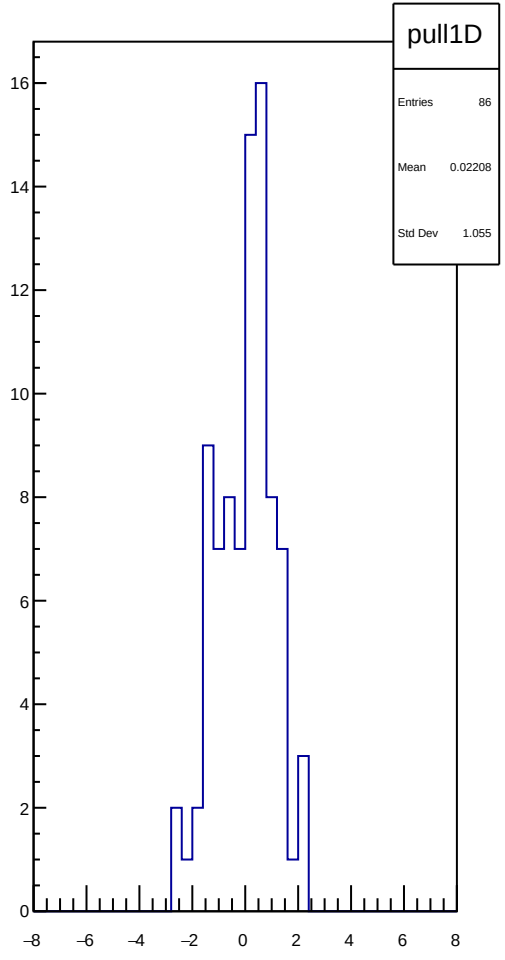

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 97.08 / 85
p0 1.376 ± 3.389
100
50
0
−50
−100
pull
Entries 86
Mean −182.4
Std Dev 232.3
2
1
0
−1
−2

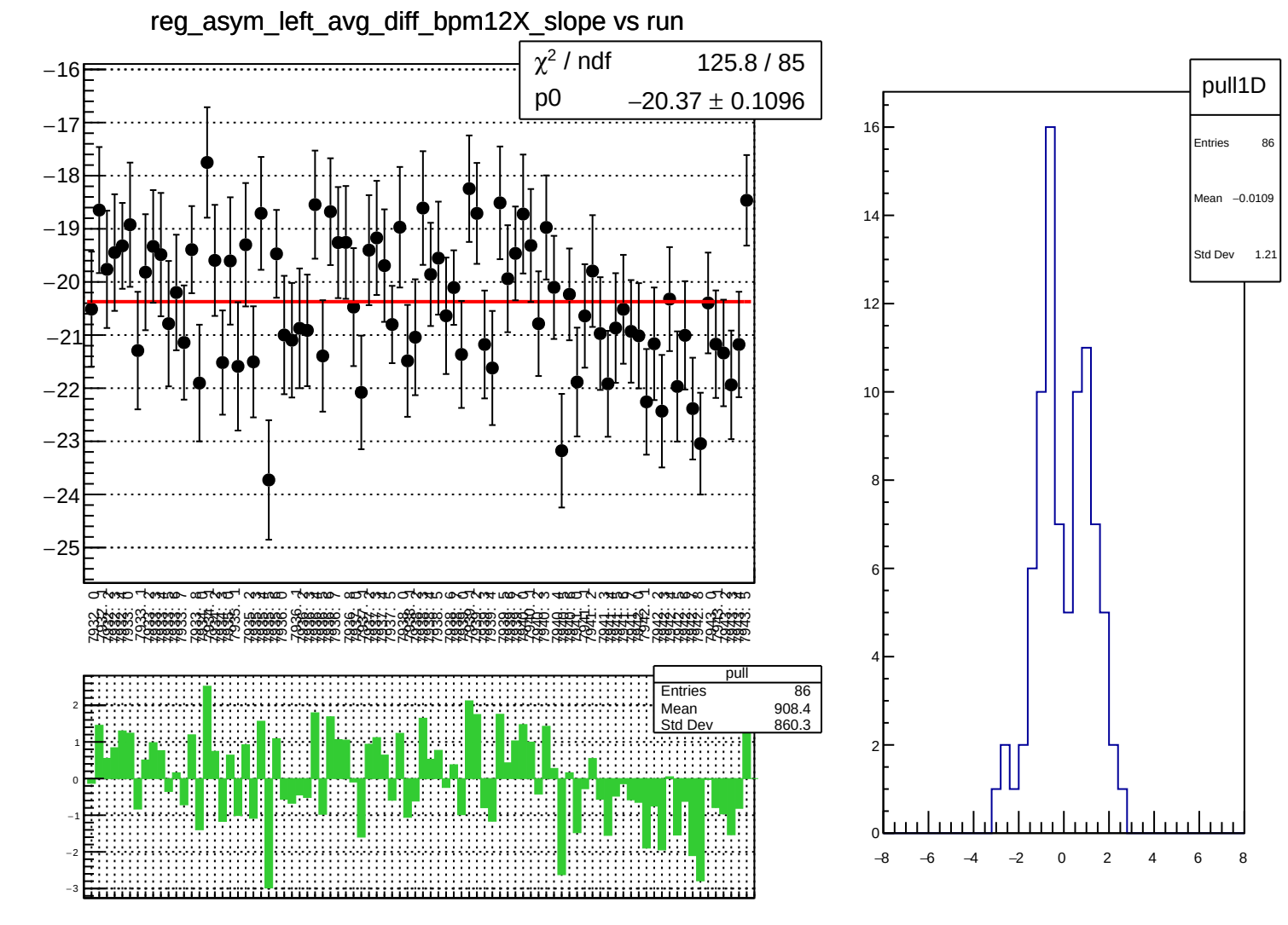

pull1D
Entries 86
Mean −0.02086
Std Dev 1.062
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

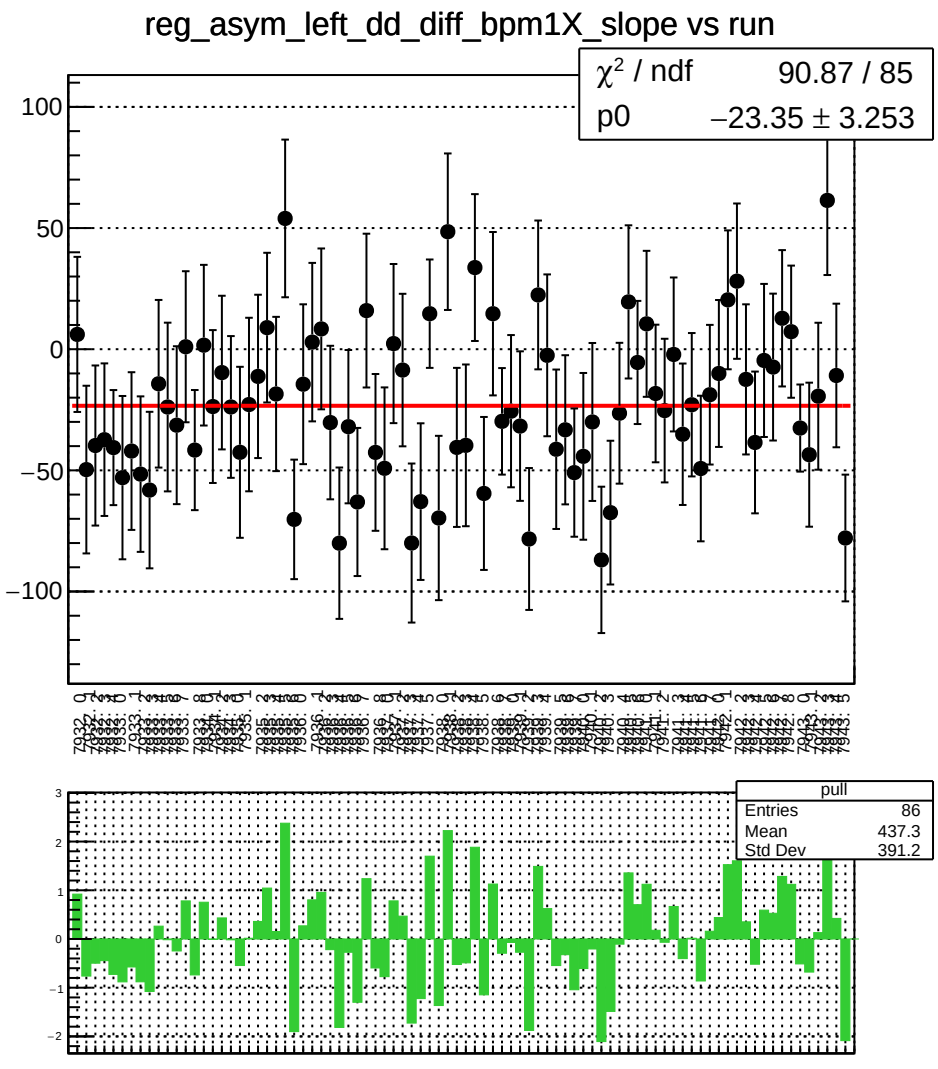

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 91.82 / 85
p0 −1.702 ± 2.921
100
50
0
−50
−100
pull
Entries 86
Mean −1187
Std Dev 1233
2
1
0
−1
−2

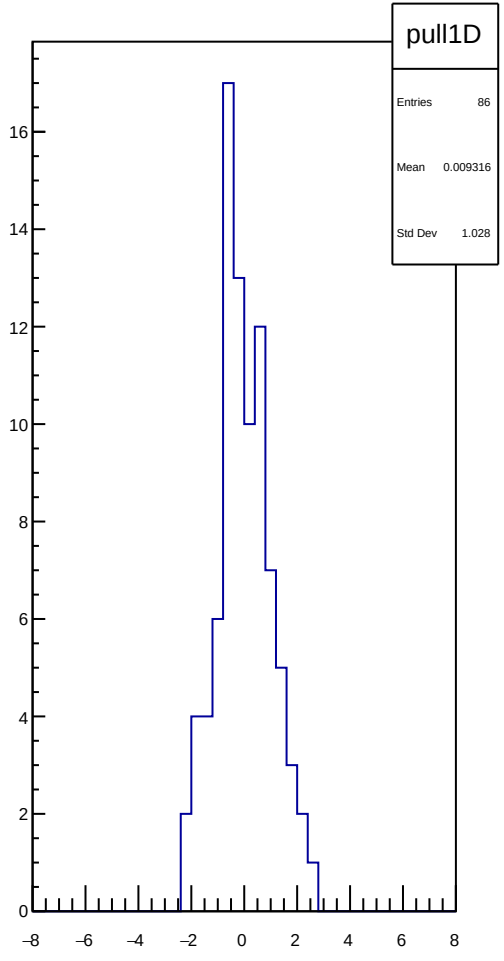

pull1D
Entries 86
Mean −0.004944
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

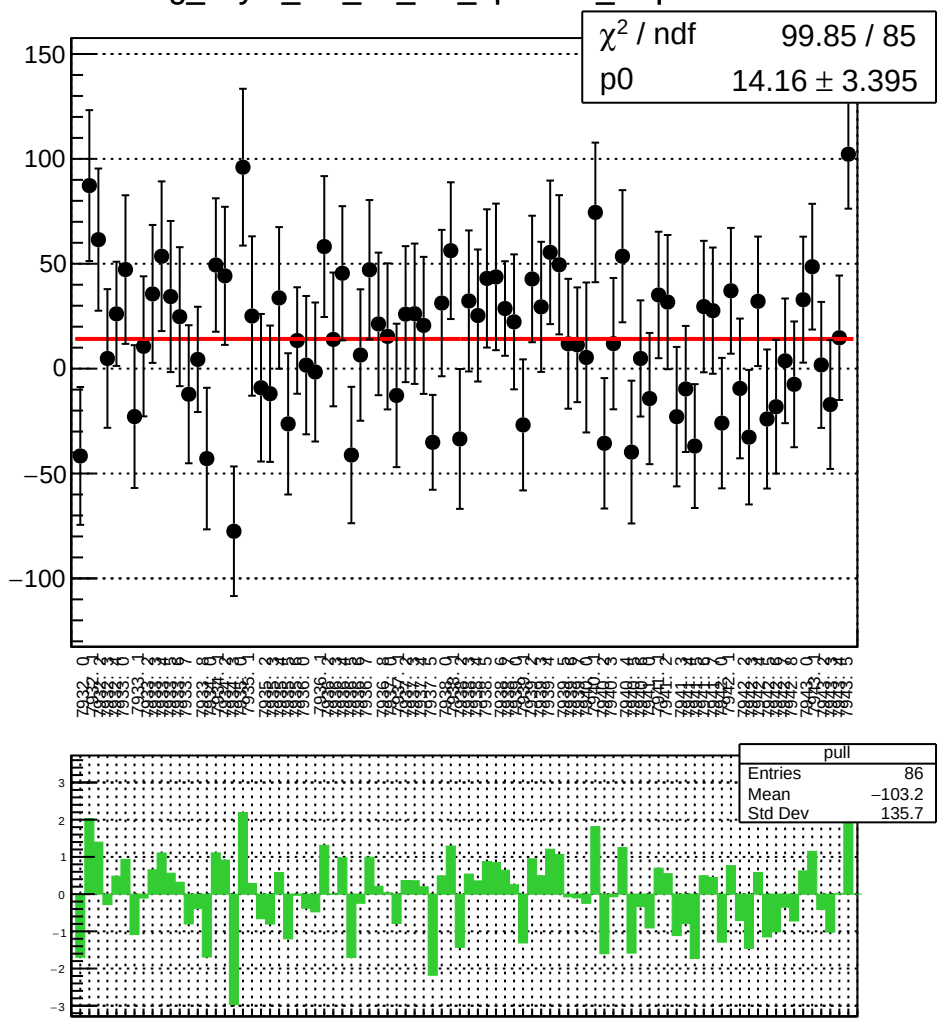

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 95.77 / 85
p0 13.15 ± 3.907
150
100
50
0
−50
−100
pull
Entries 86
Mean −173.8
Std Dev 223.9
2
1
0
−1
−2

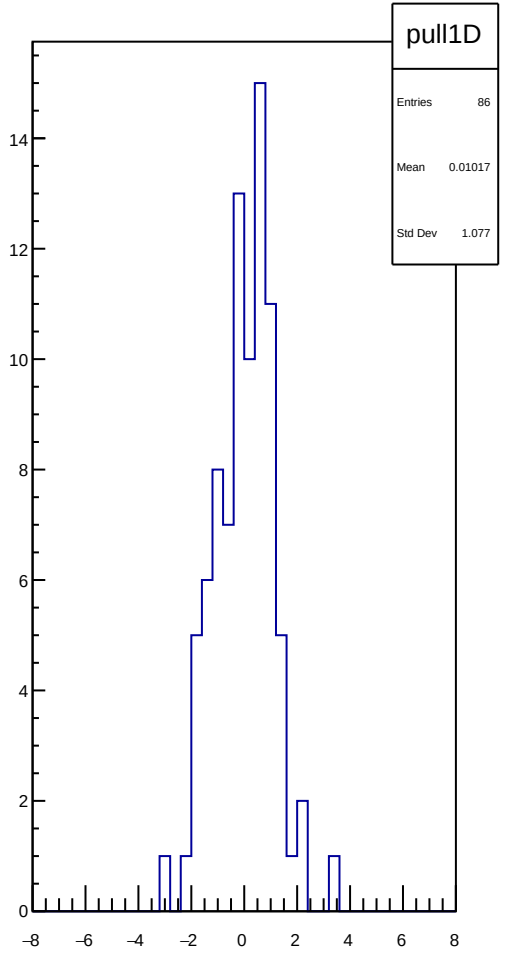

pull1D
Entries 86
Mean 0.02208
Std Dev 1.055
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

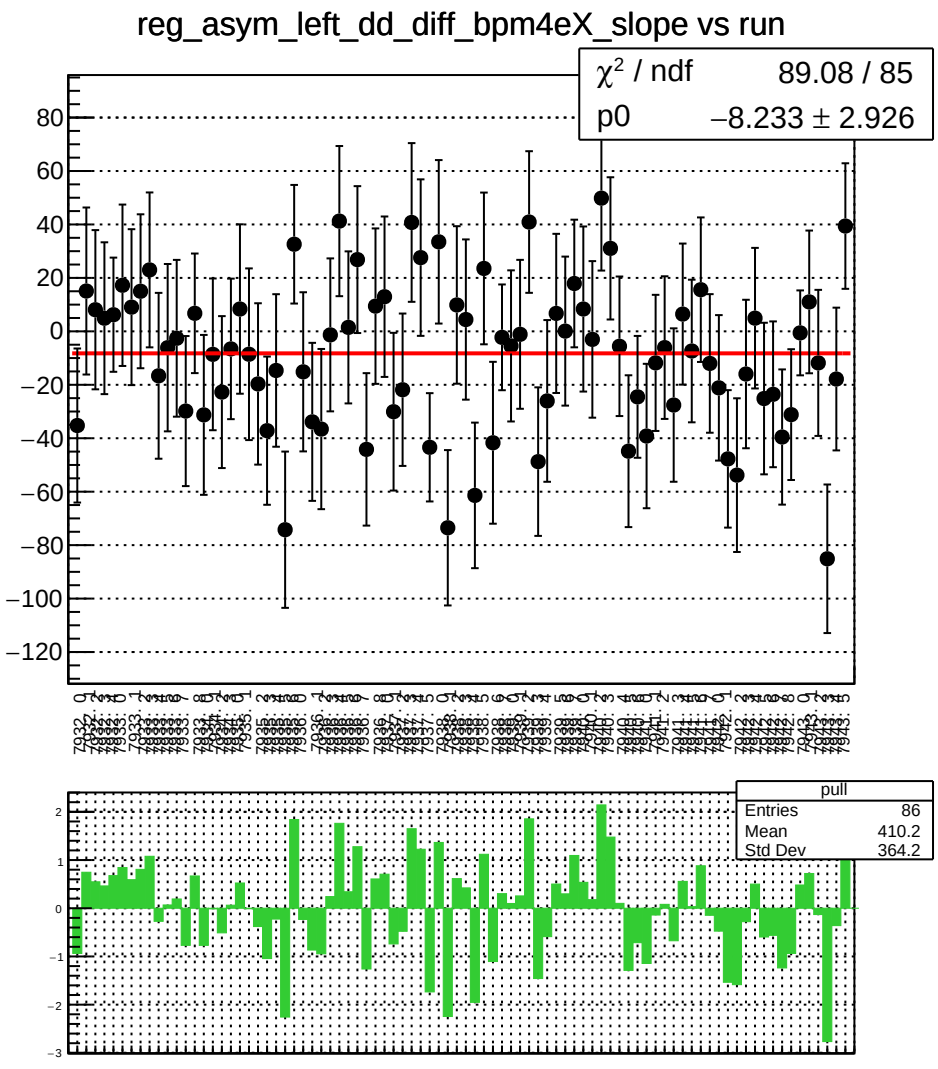

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 125.8 / 85
p0 −20.37 ± 0.1096
pull
Entries 86
Mean 908.4
Std Dev 860.3
pull1D
Entries 86
Mean −0.0109
Std Dev 1.21

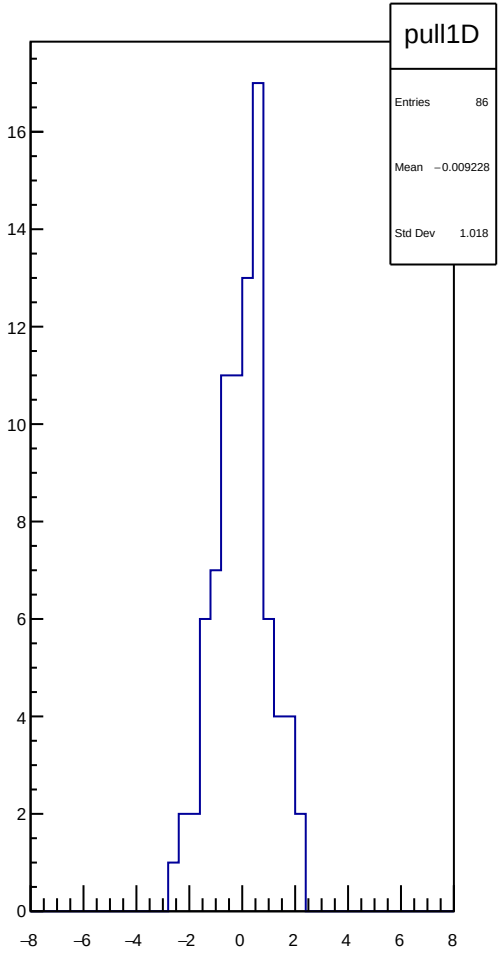

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 90.87 / 85
p0 −23.35 ± 3.253
100
50
0
−50
−100
pull
Entries 86
Mean 437.3
Std Dev 391.2
3
2
1
0
−1
−2

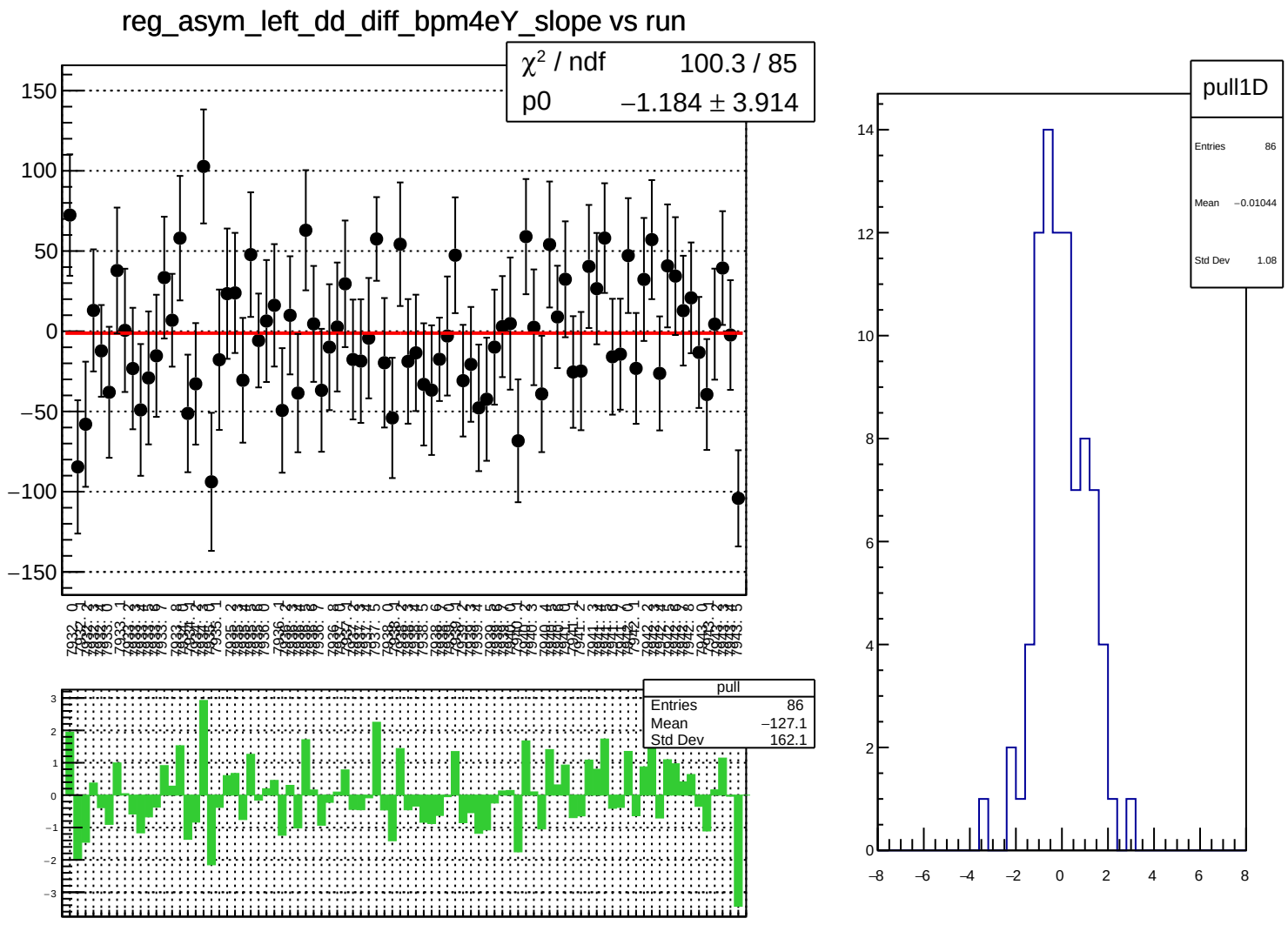

pull1D
Entries 86
Mean 0.009316
Std Dev 1.028
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

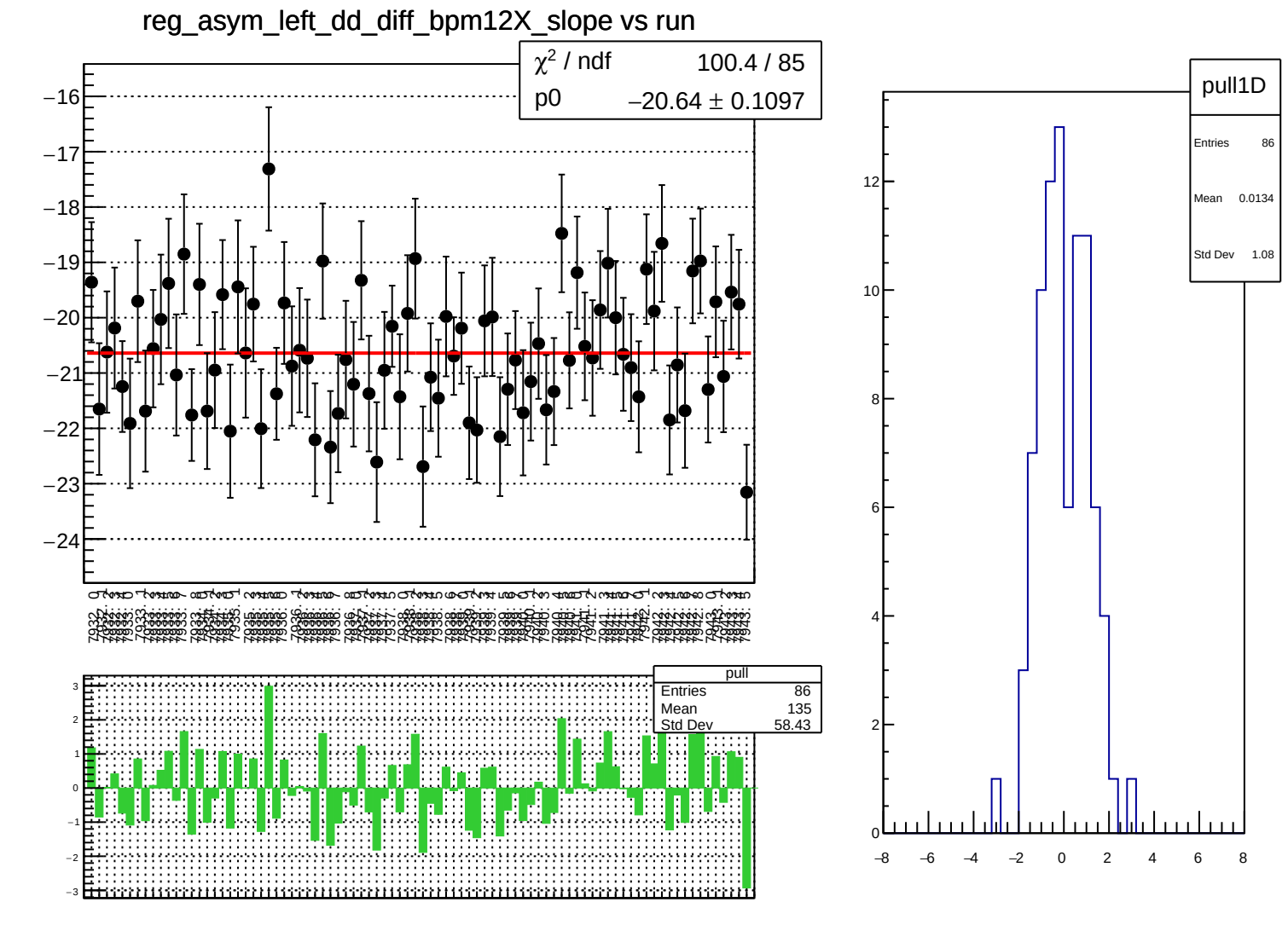

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 99.85 / 85
p0 14.16 ± 3.395
150
100
50
0
−50
−100
pull
Entries 86
Mean −103.2
Std Dev 135.7
3
2
1
0
−1
−2
−3

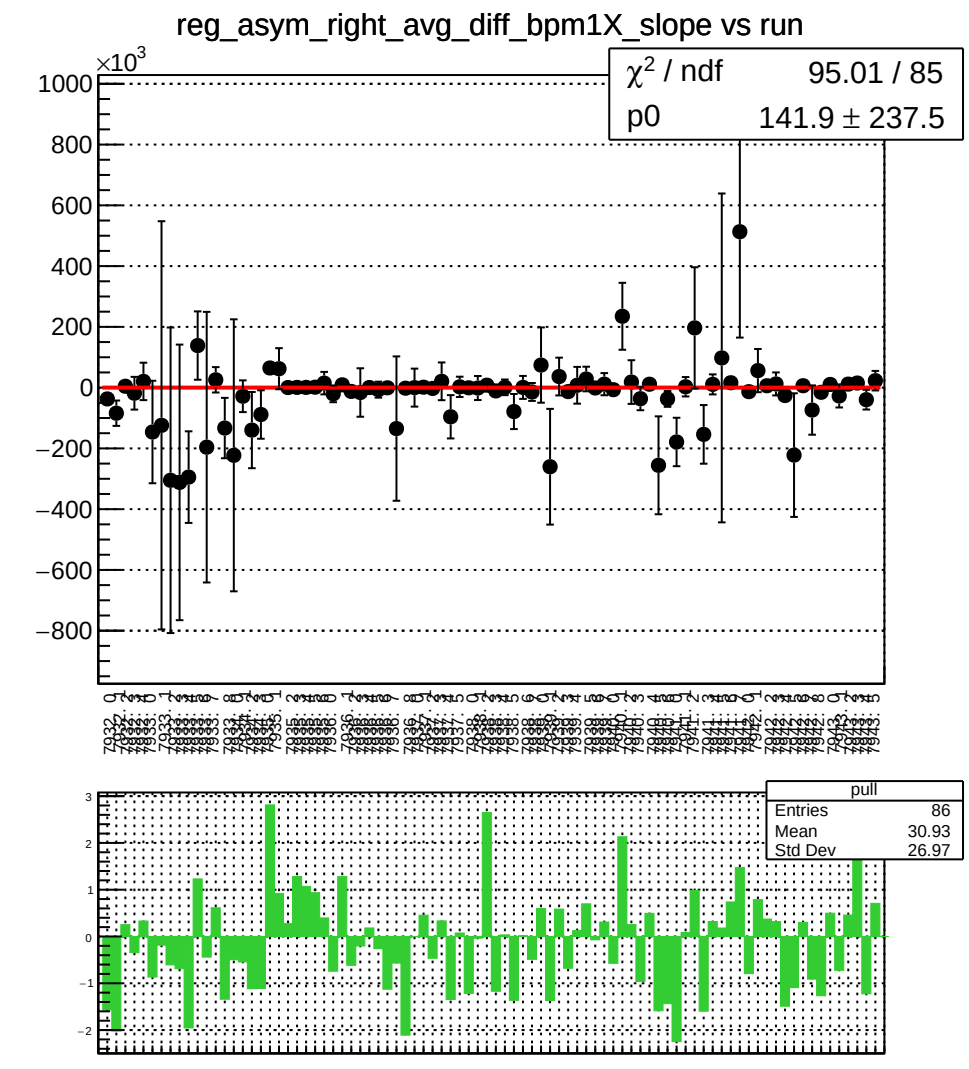

pull1D
Entries 86
Mean 0.01017
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

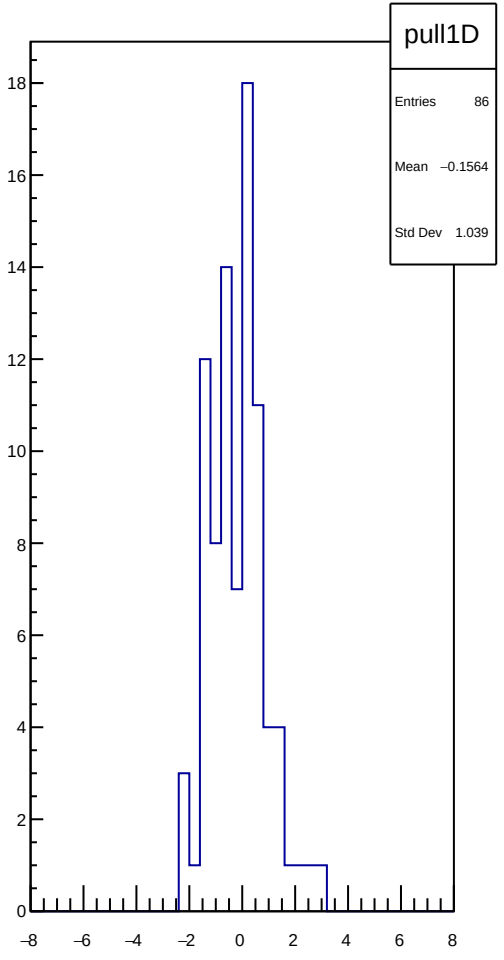

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.08 / 85
p0 −8.233 ± 2.926
pull
Entries 86
Mean 410.2
Std Dev 364.2

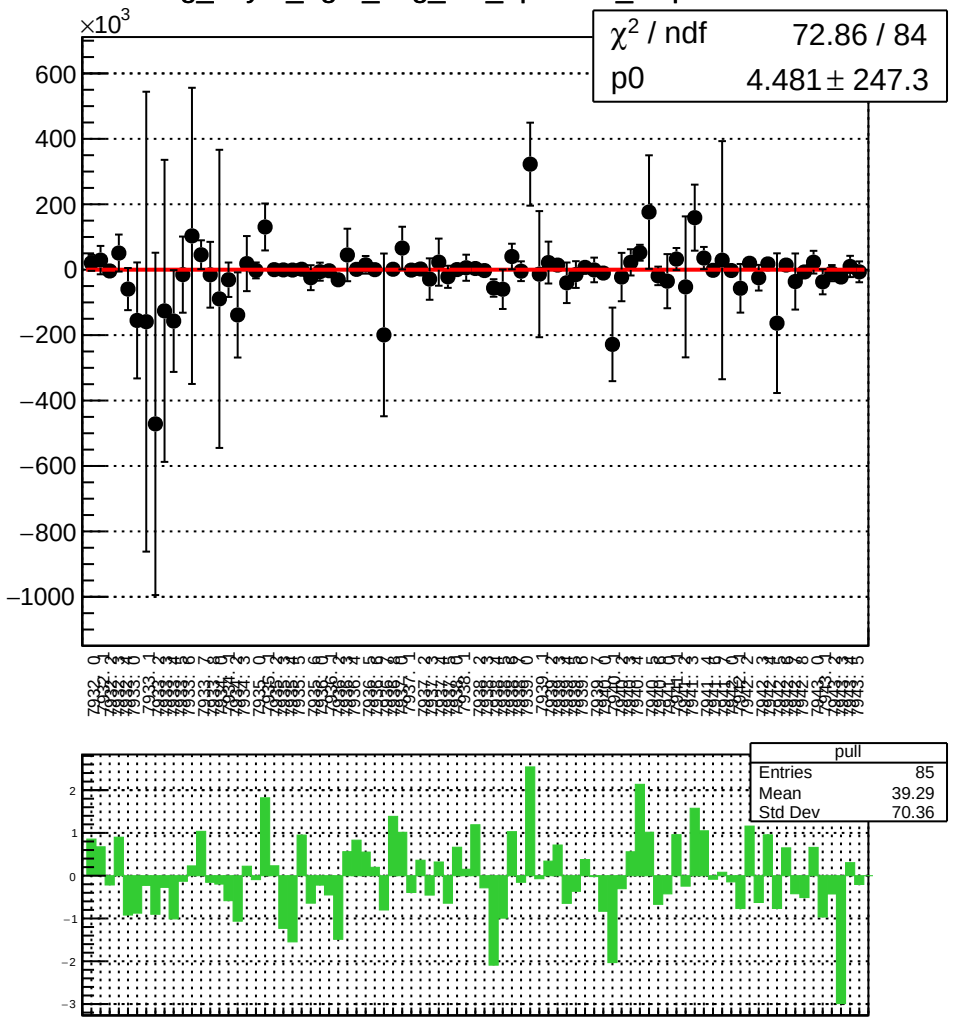

pull1D
Entries 86
Mean −0.009228
Std Dev 1.018

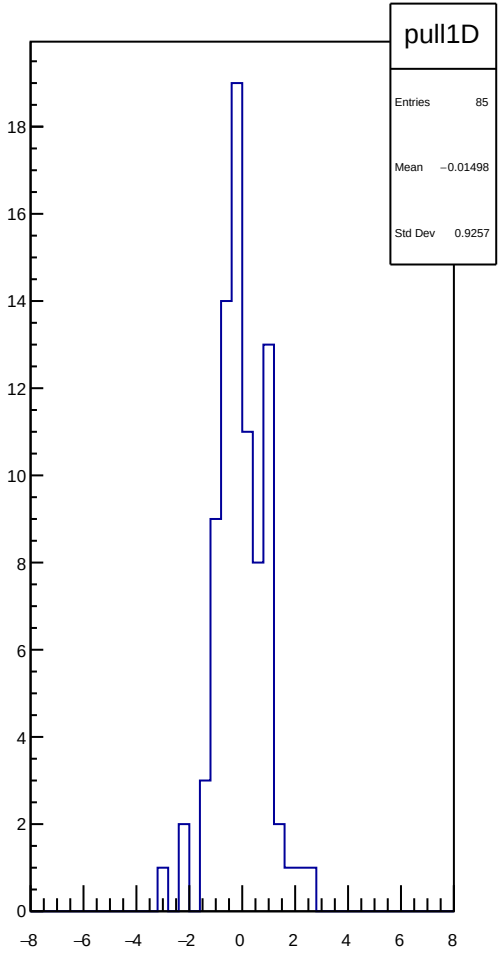

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 100.3 / 85
p0 −1.184 ± 3.914
pull
Entries 86
Mean −127.1
Std Dev 162.1
pull1D
Entries 86
Mean −0.01044
Std Dev 1.08

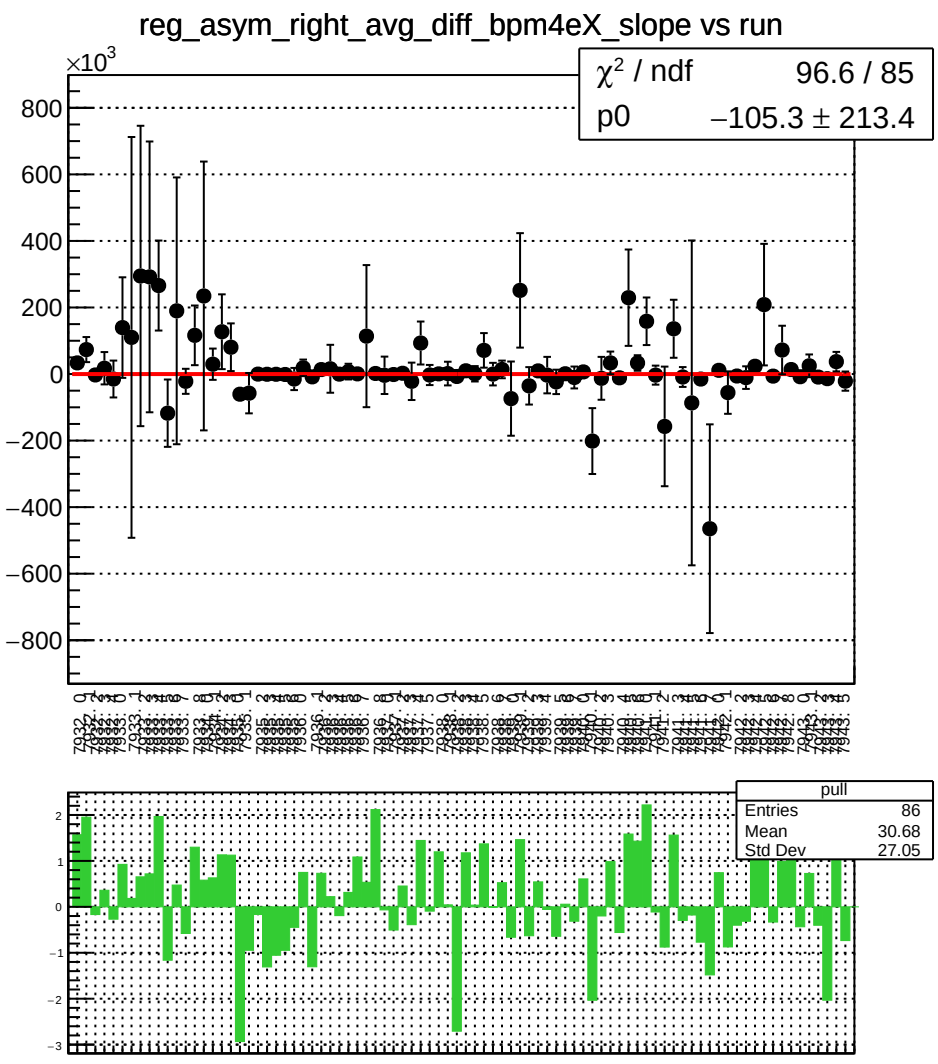

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 100.4 / 85
p0 −20.64 ± 0.1097
pull
Entries 86
Mean 135
Std Dev 58.43
pull1D
Entries 86
Mean 0.0134
Std Dev 1.08

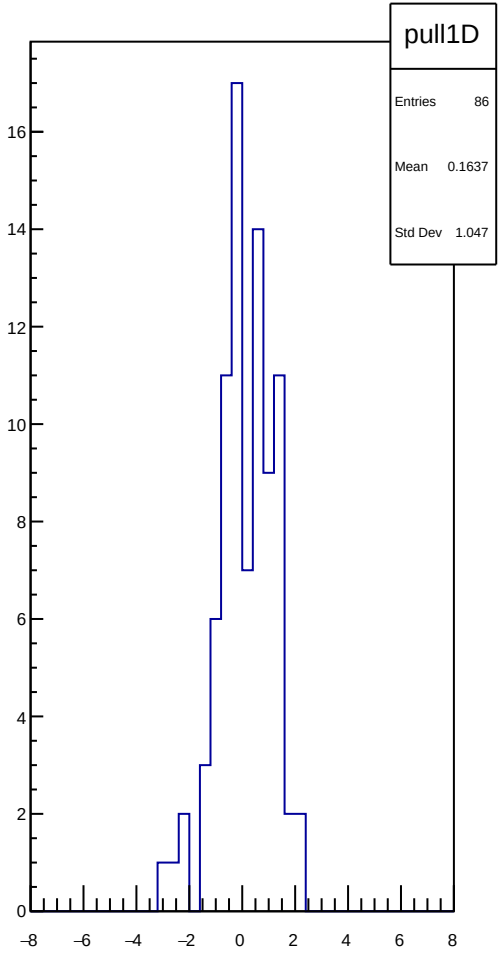

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 95.01 / 85
p0 141.9 ± 237.5
pull
Entries 86
Mean 30.93
Std Dev 26.97

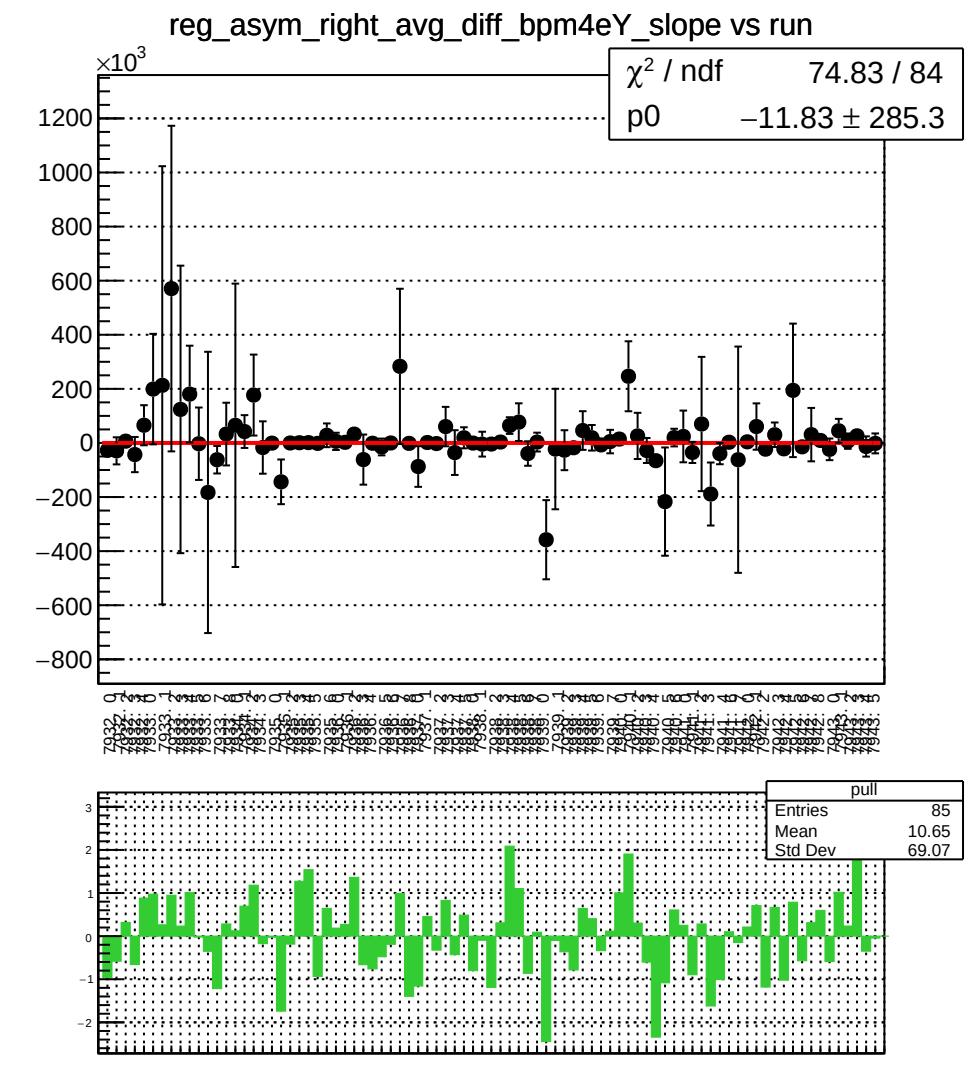

pull1D
Entries 86
Mean −0.1564
Std Dev 1.039

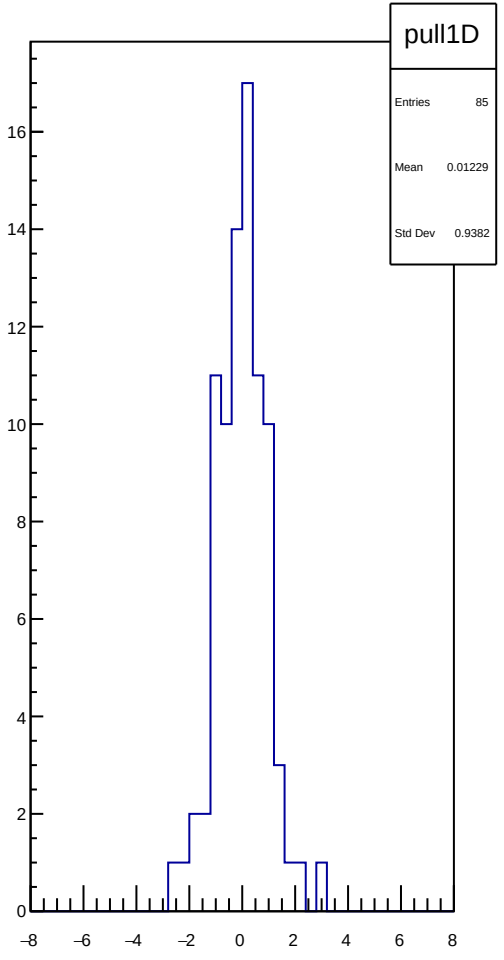

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 72.86 / 84
p0 4.481 ± 247.3
×10³
pull
Entries 85
Mean 39.29
Std Dev 70.36

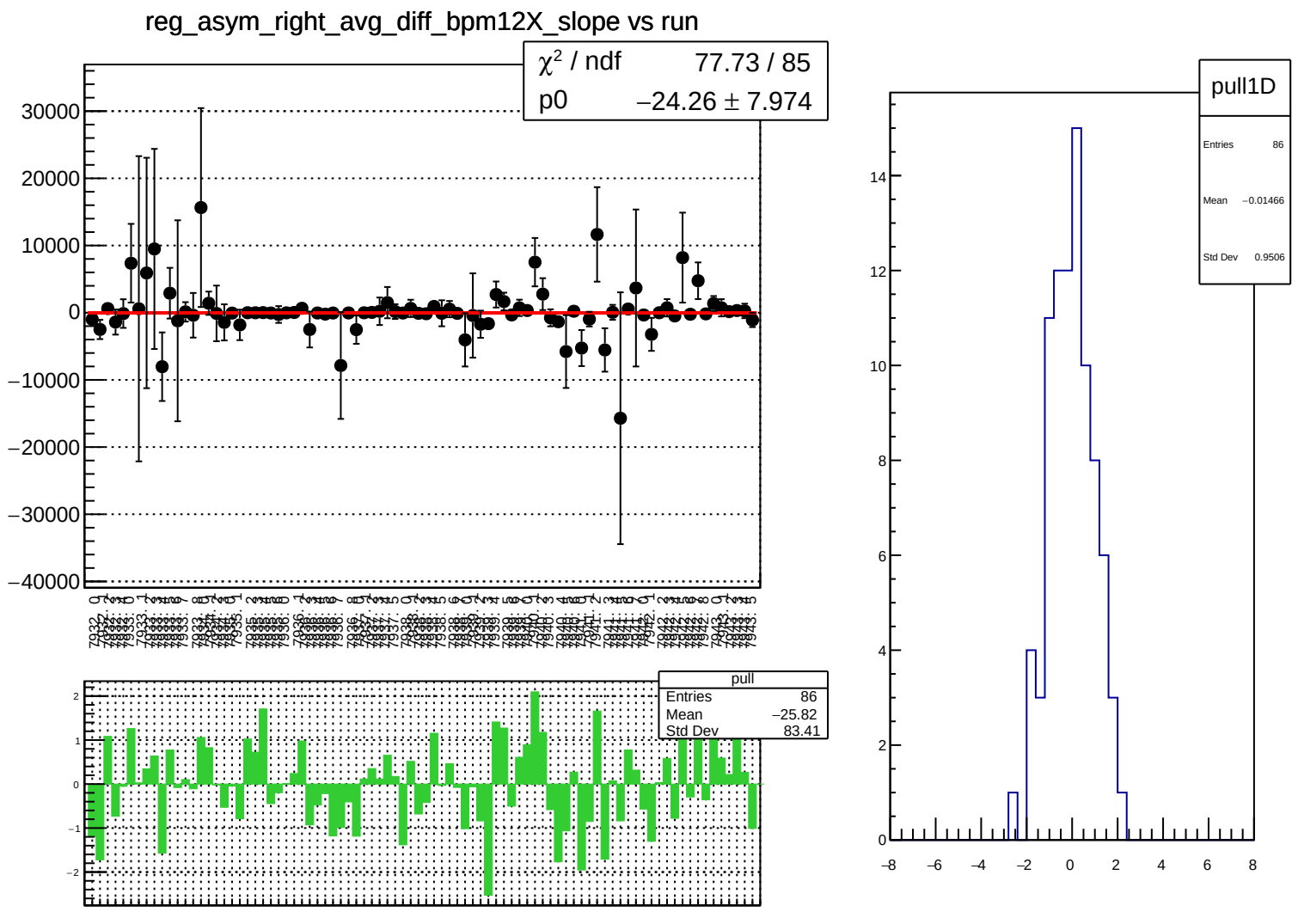

pull1D
Entries 85
Mean −0.01498
Std Dev 0.9257

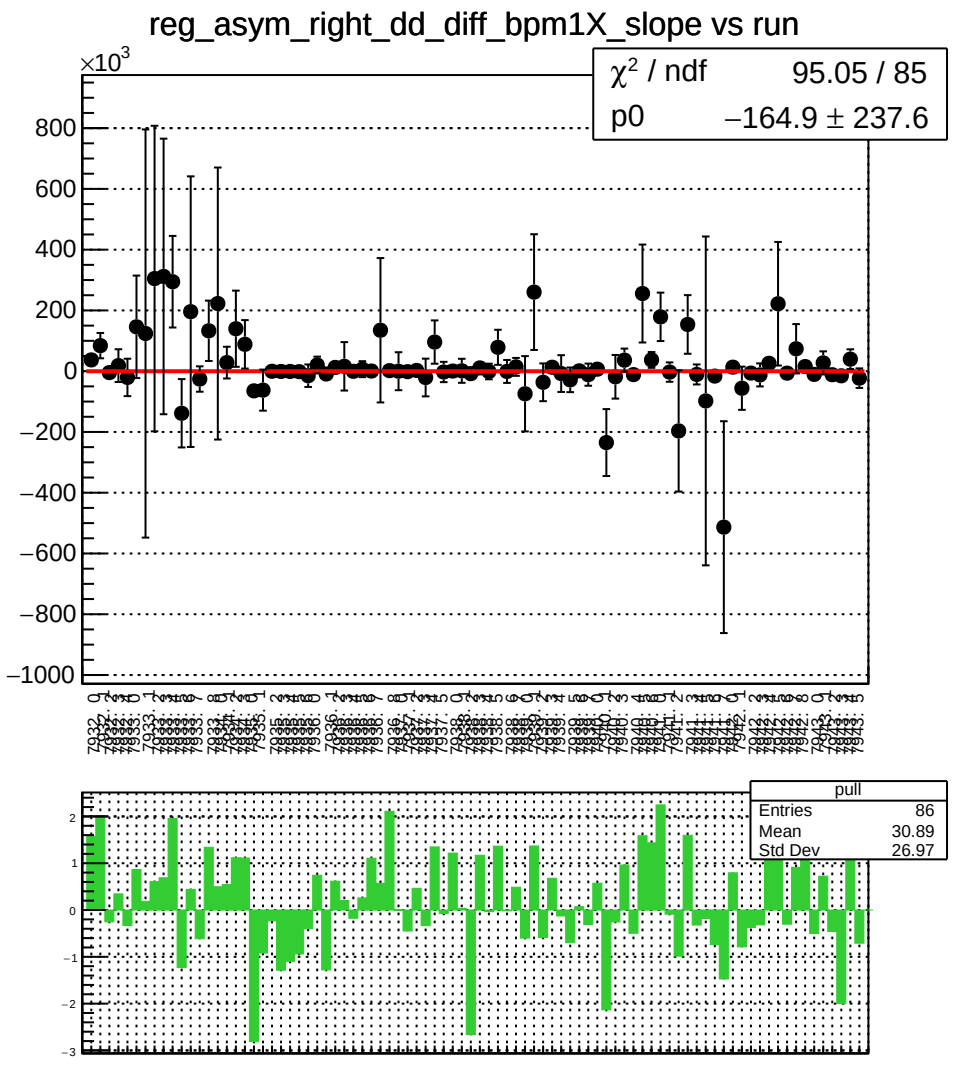

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 96.6 / 85
p0 −105.3 ± 213.4
×10³
pull
Entries 86
Mean 30.68
Std Dev 27.05

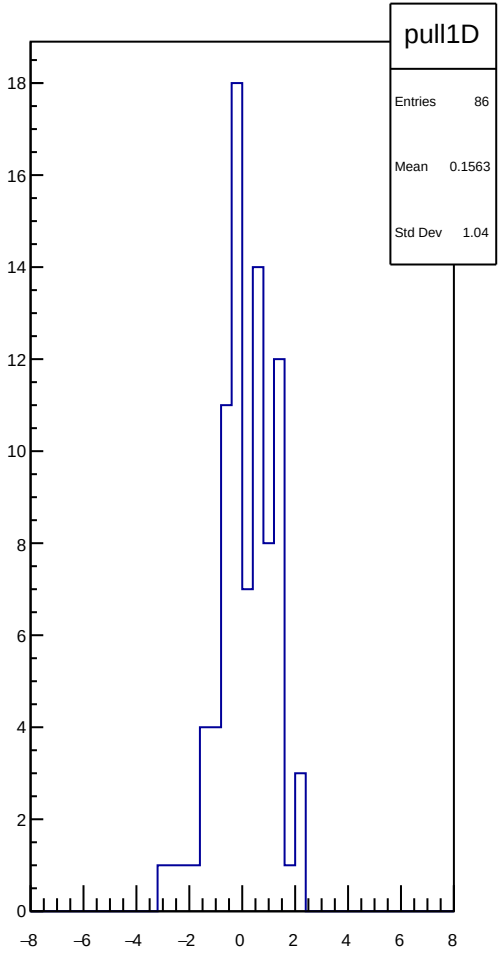

pull1D
Entries 86
Mean 0.1637
Std Dev 1.047

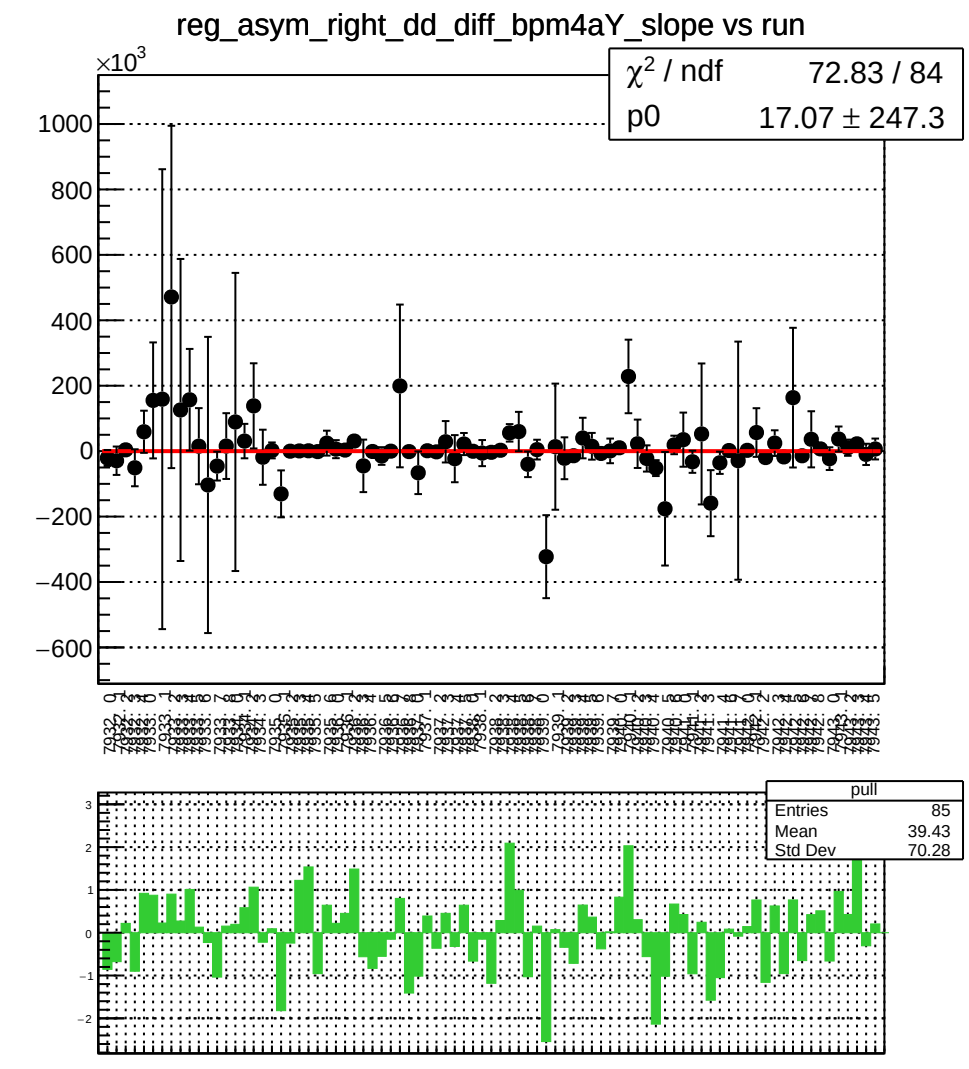

reg_asym_right_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 74.83 / 84
p0 −11.83 ± 285.3
pull
Entries 85
Mean 10.65
Std Dev 69.07

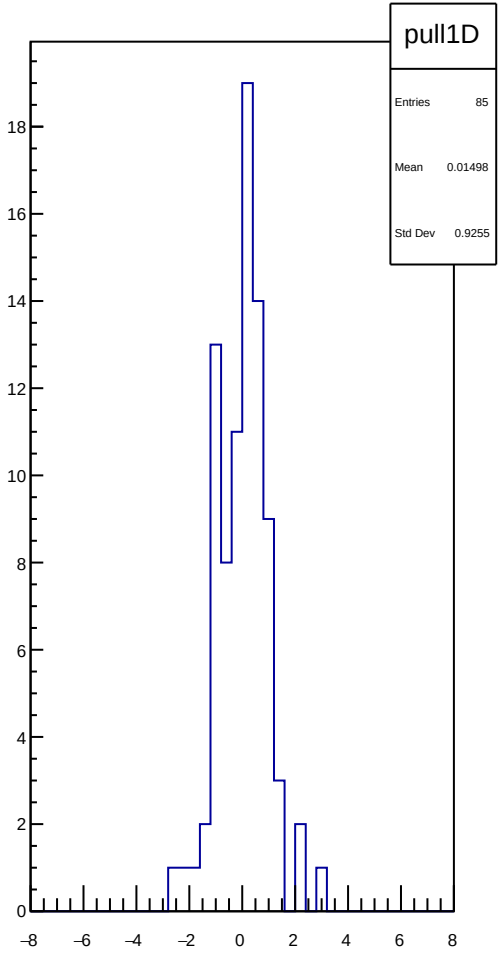

pull1D
Entries 85
Mean 0.01229
Std Dev 0.9382

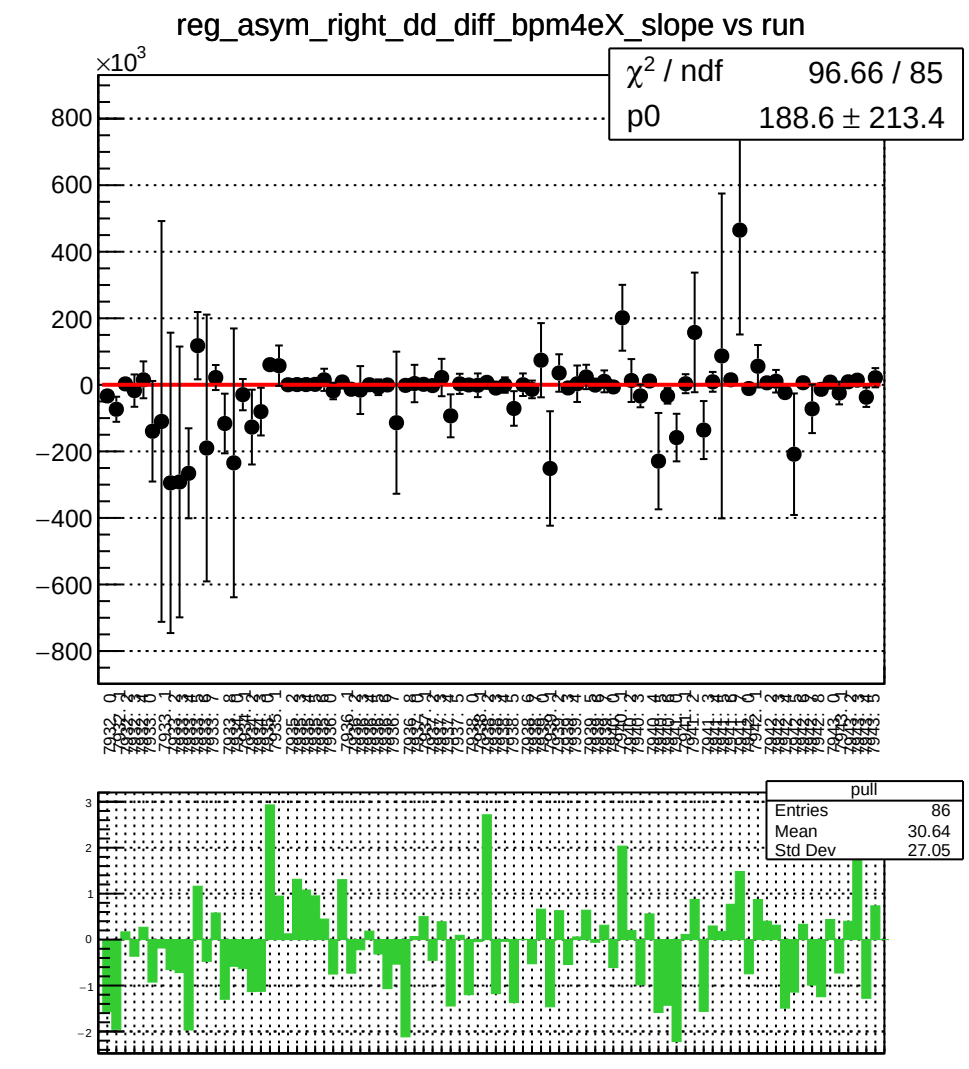

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 77.73 / 85
p0 −24.26 ± 7.974
pull
Entries 86
Mean −25.82
Std Dev 83.41
pull1D
Entries 86
Mean −0.01466
Std Dev 0.9506

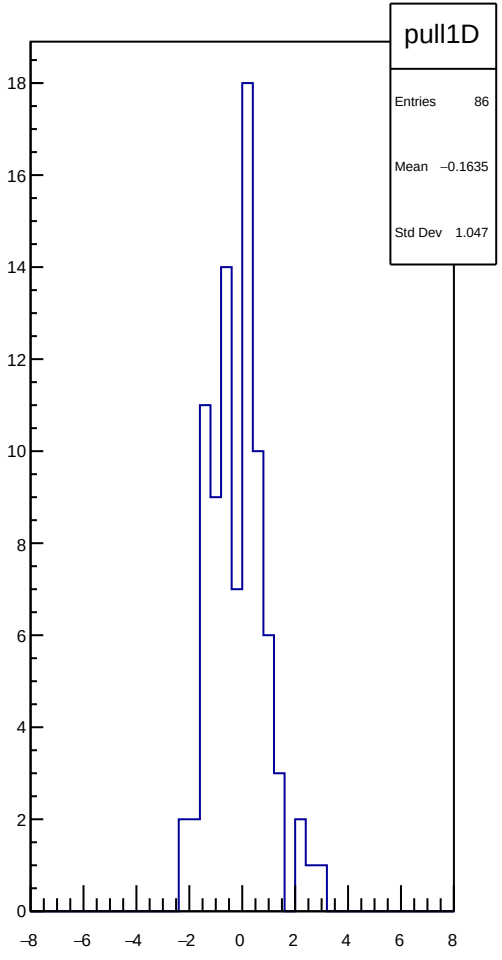

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 95.05 / 85
p0 −164.9 ± 237.6
pull
Entries 86
Mean 30.89
Std Dev 26.97

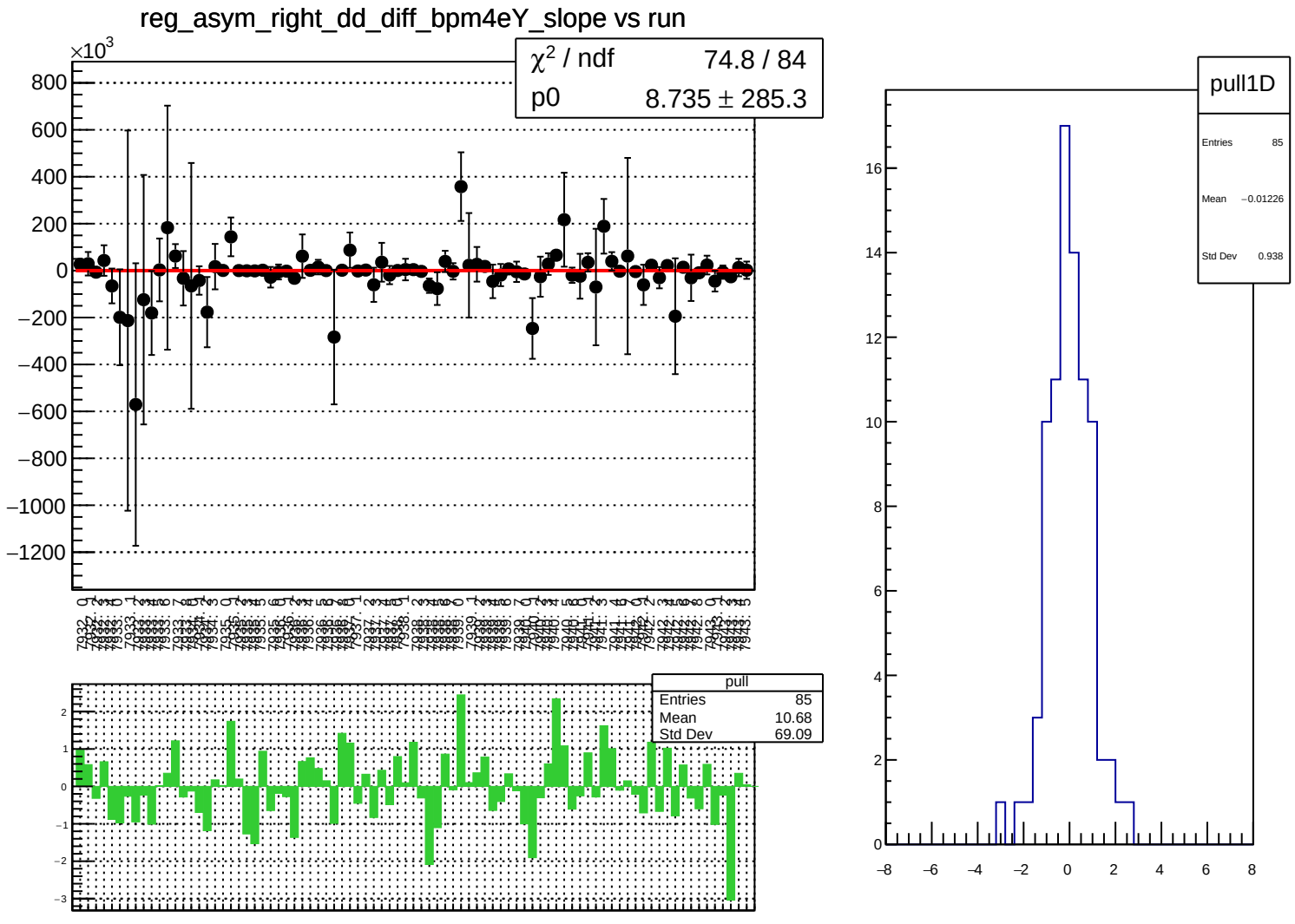

pull1D
Entries 86
Mean 0.1563
Std Dev 1.04

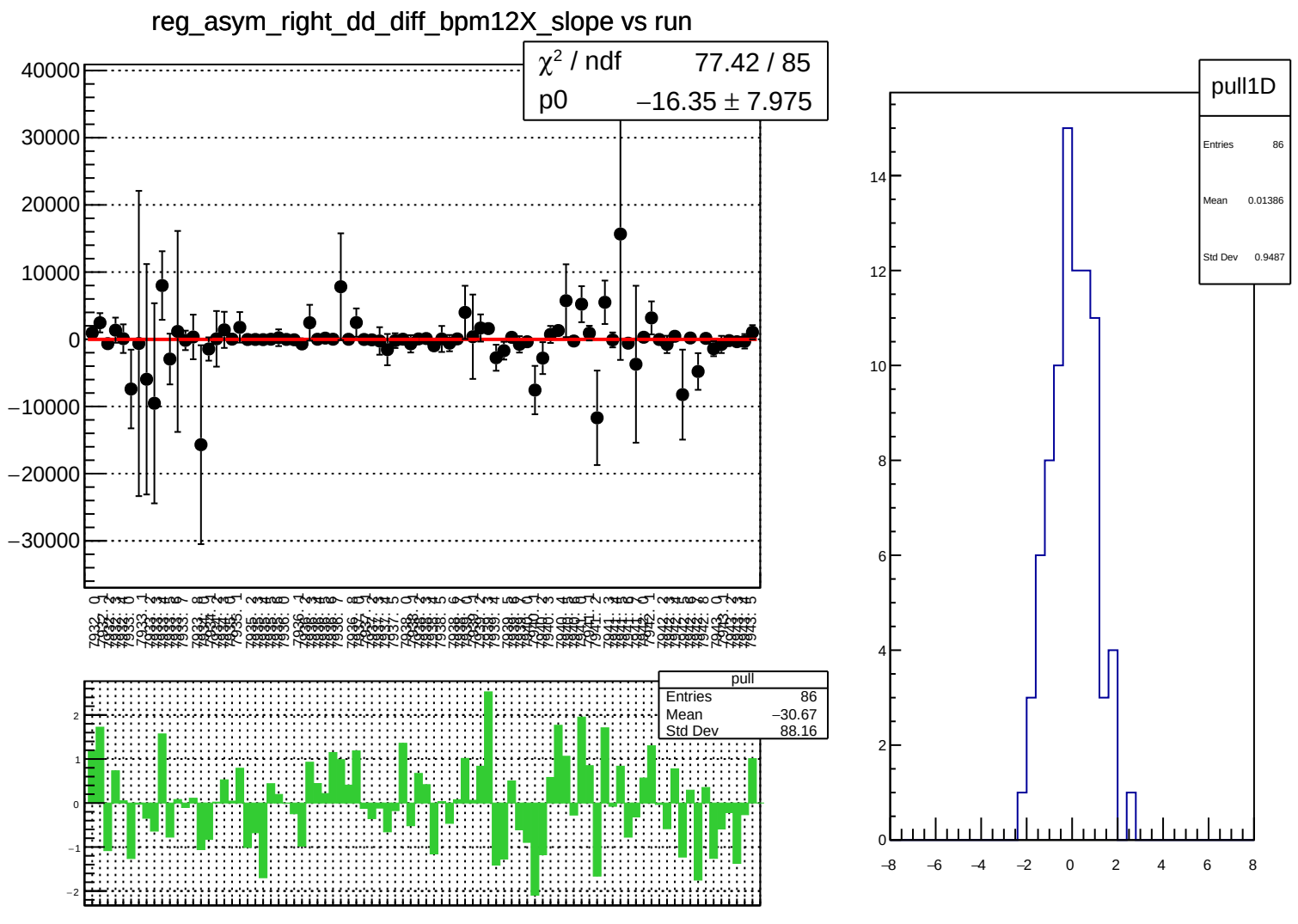

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.83 / 84
p0 17.07 ± 247.3
×10³
pull
Entries 85
Mean 39.43
Std Dev 70.28

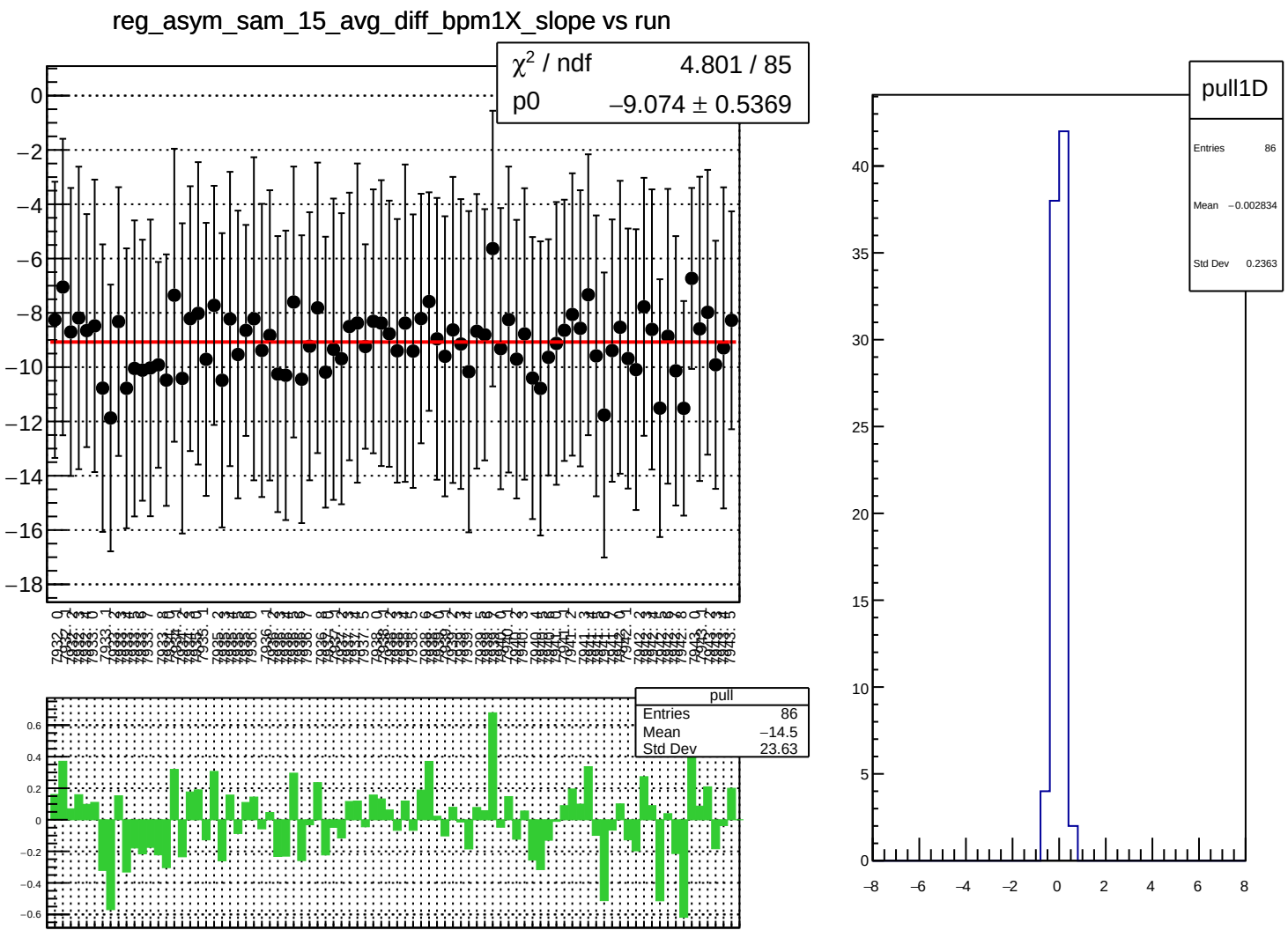

pull1D
Entries 85
Mean 0.01498
Std Dev 0.9255

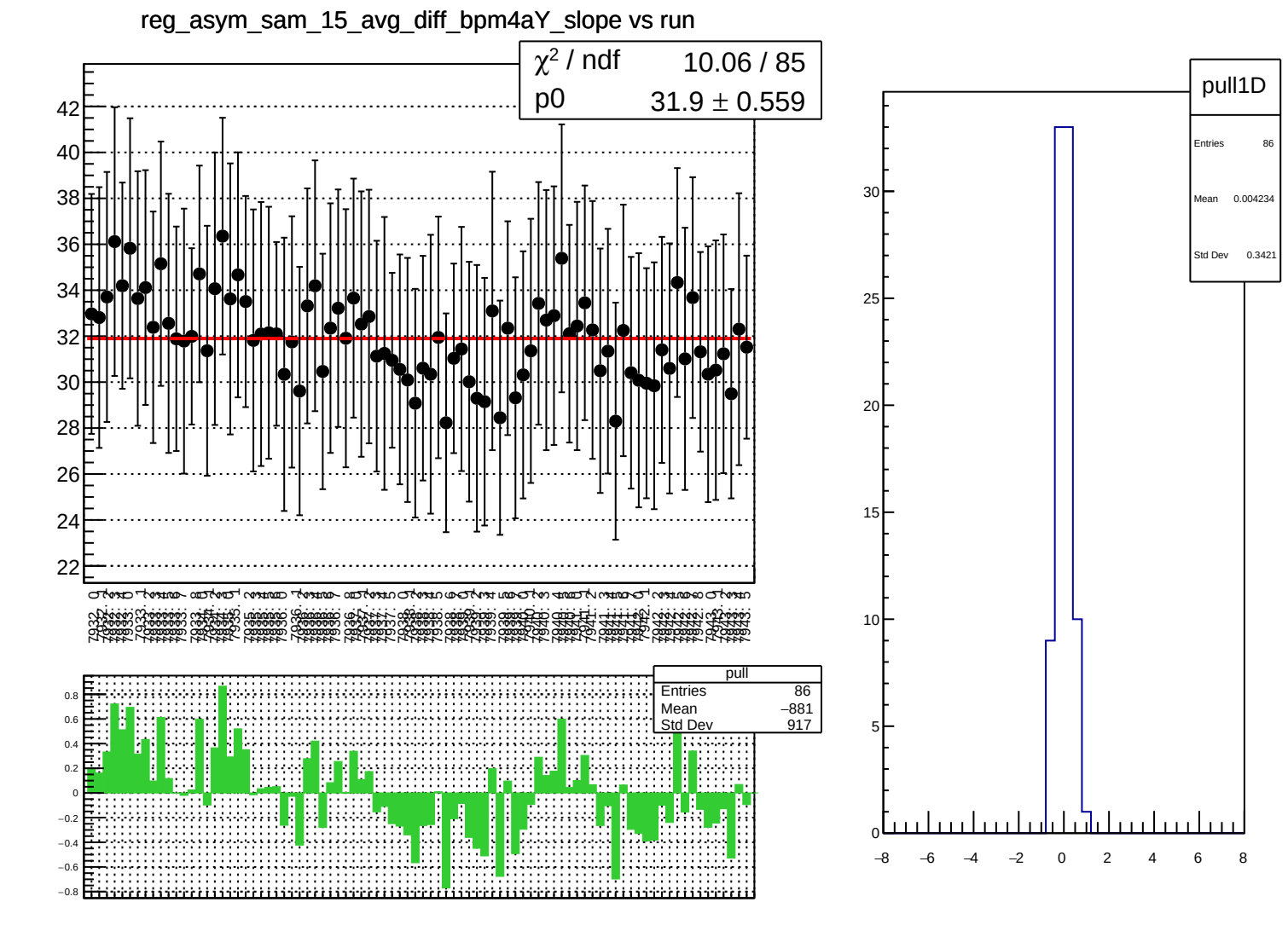

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 96.66 / 85
p0 188.6 ± 213.4
×10³
pull
Entries 86
Mean 30.64
Std Dev 27.05

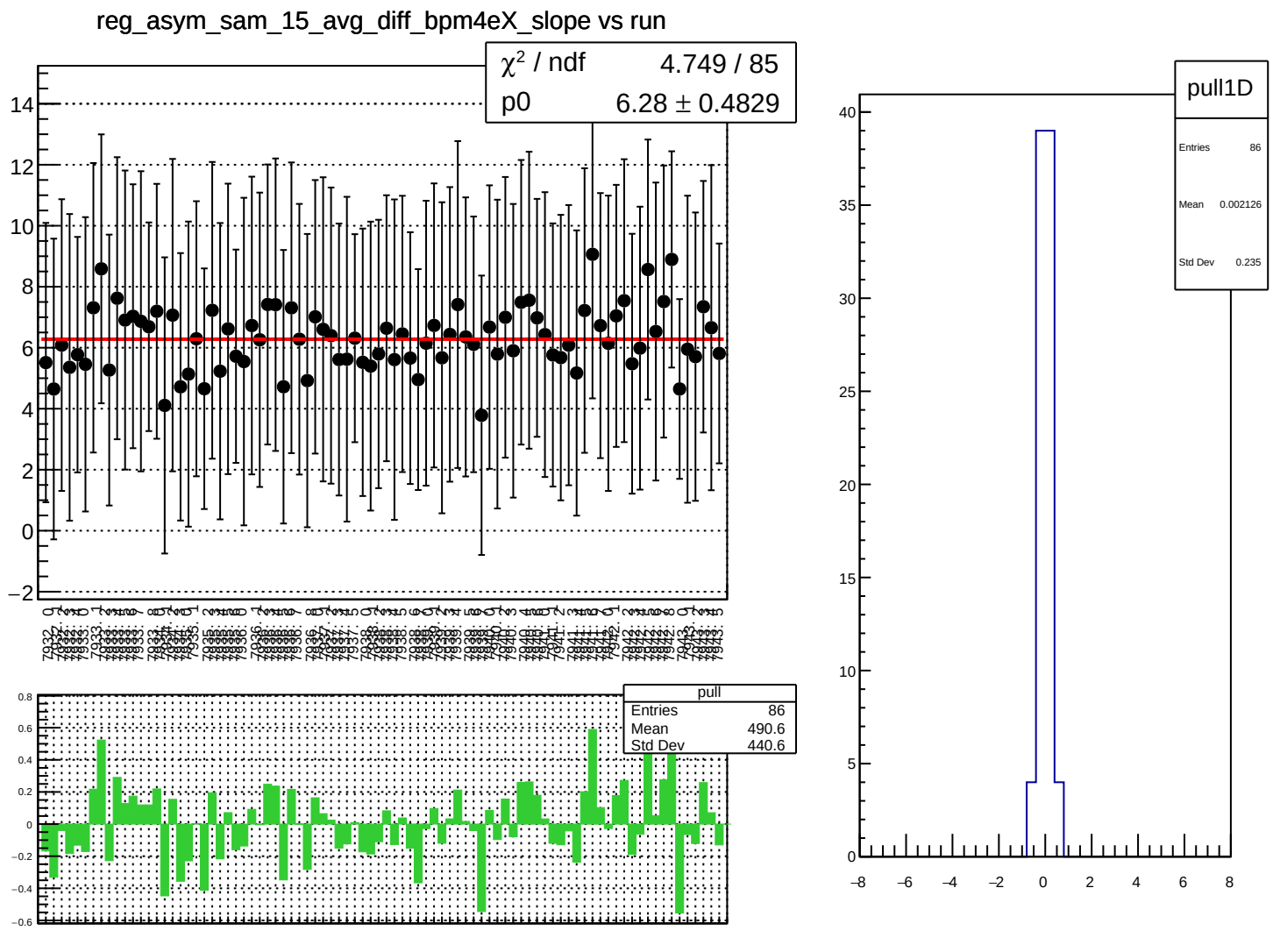

pull1D
Entries 86
Mean −0.1635
Std Dev 1.047

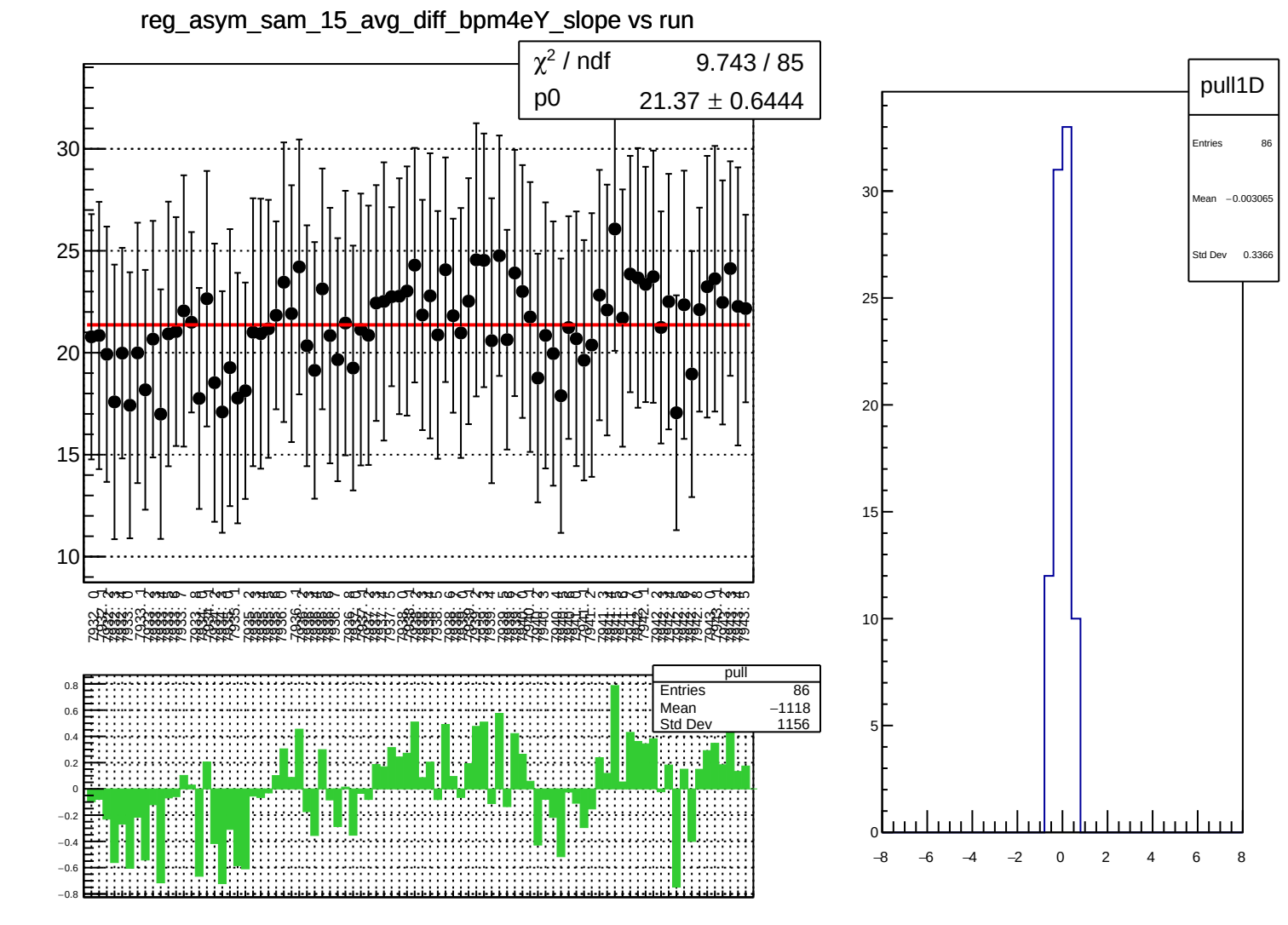

reg_asym_right_dd_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 74.8 / 84
p0 8.735 ± 285.3
pull
Entries 85
Mean 10.68
Std Dev 69.09
pull1D
Entries 85
Mean −0.01226
Std Dev 0.938

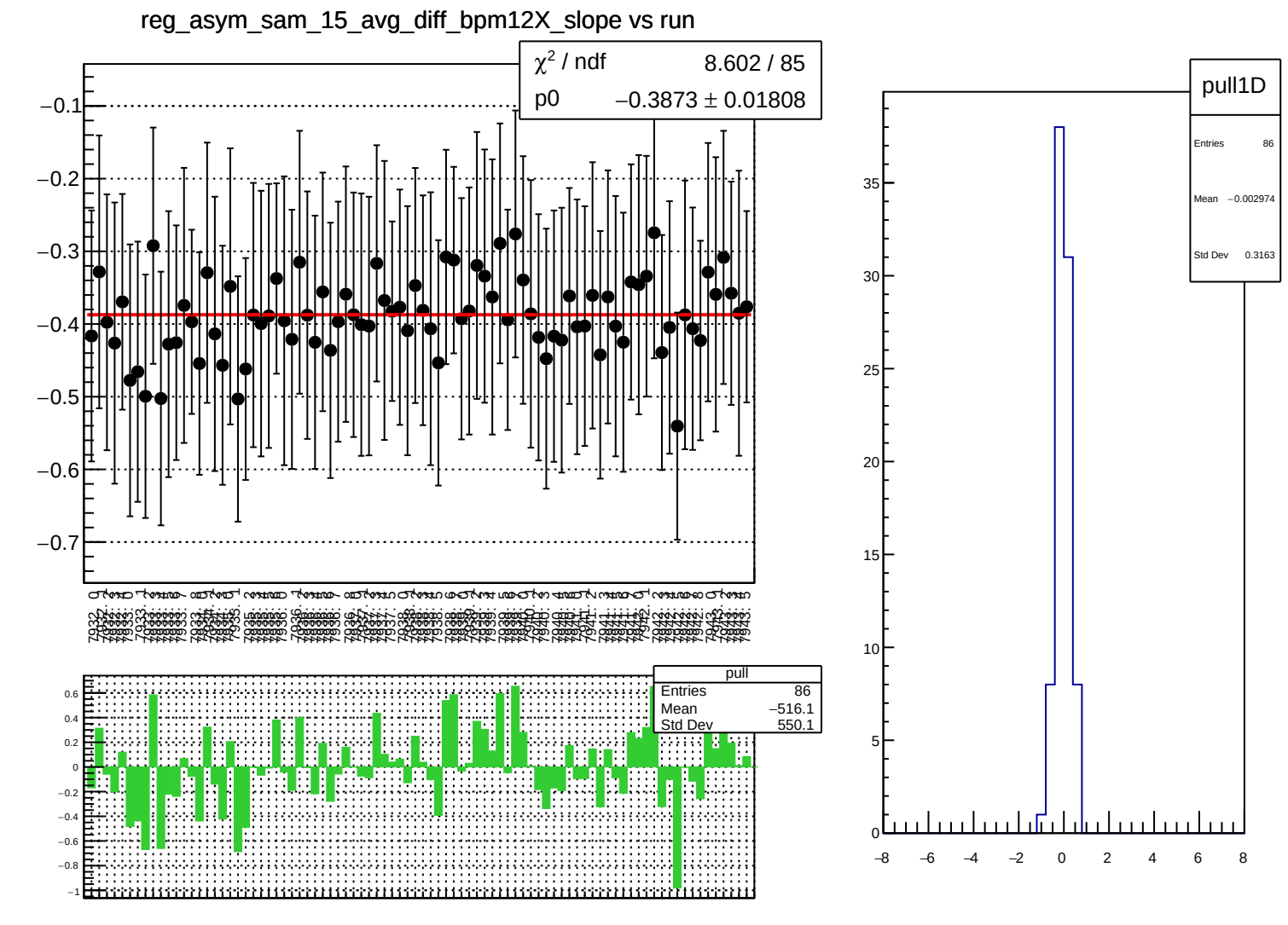

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 77.42 / 85
p0 −16.35 ± 7.975
pull
Entries 86
Mean −30.67
Std Dev 88.16
pull1D
Entries 86
Mean 0.01386
Std Dev 0.9487

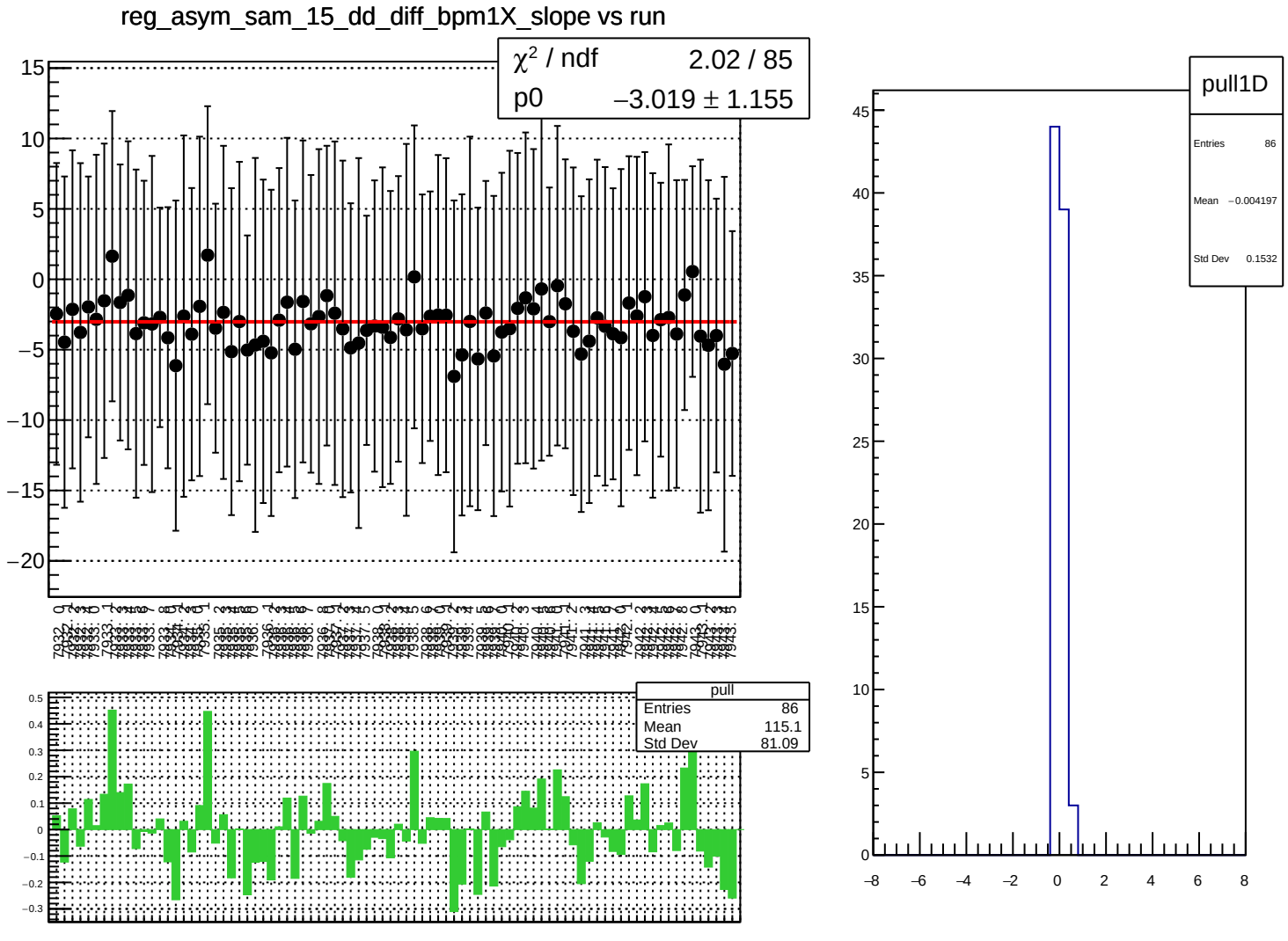

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 4.801 / 85
p0 −9.074 ± 0.5369
pull
Entries 86
Mean −14.5
Std Dev 23.63
pull1D
Entries 86
Mean −0.002834
Std Dev 0.2363

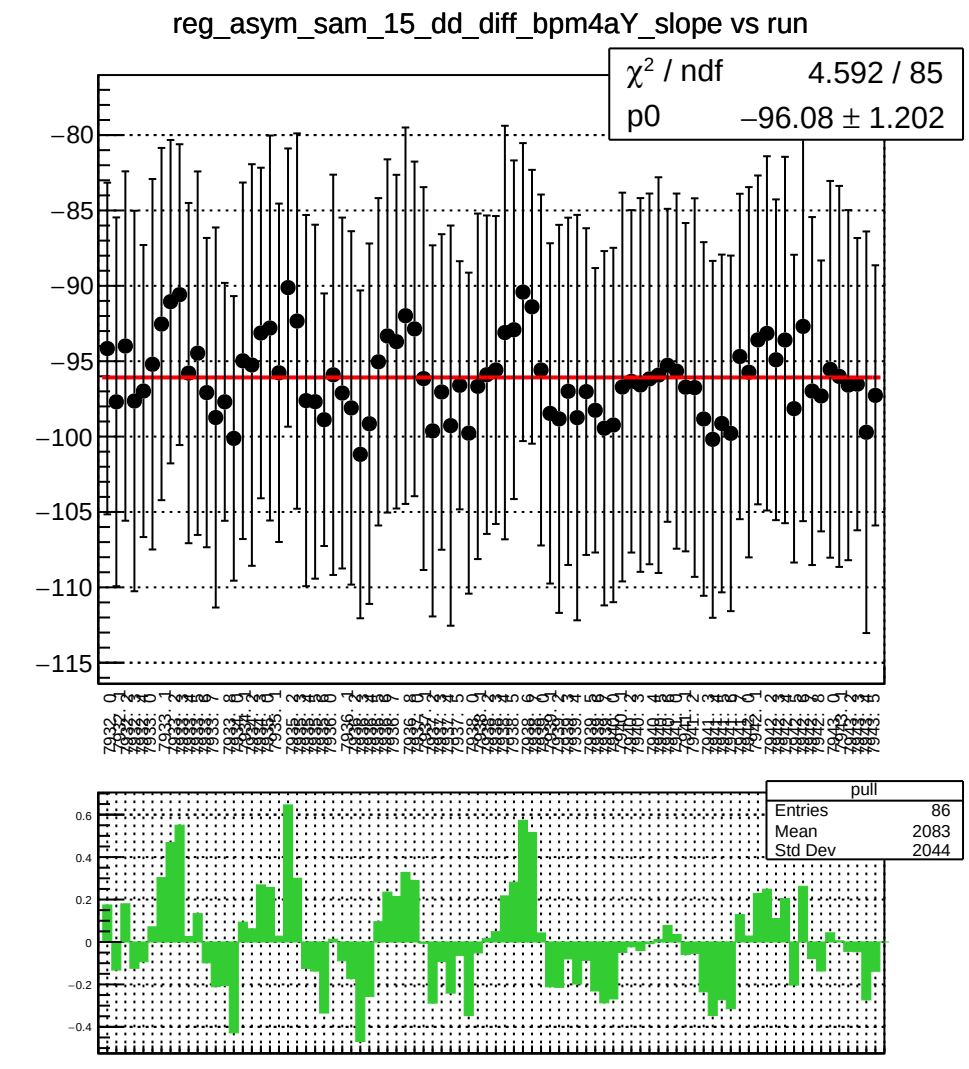

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.06 / 85
p0 31.9 ± 0.559
pull
Entries 86
Mean −881
Std Dev 917
pull1D
Entries 86
Mean 0.004234
Std Dev 0.3421

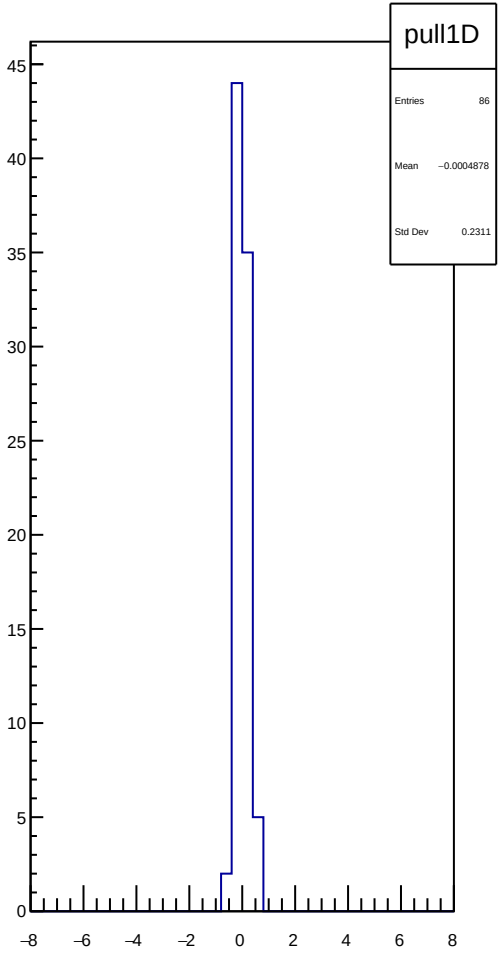

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.749 / 85
p0 6.28 ± 0.4829
pull
Entries 86
Mean 490.6
Std Dev 440.6
pull1D
Entries 86
Mean 0.002126
Std Dev 0.235

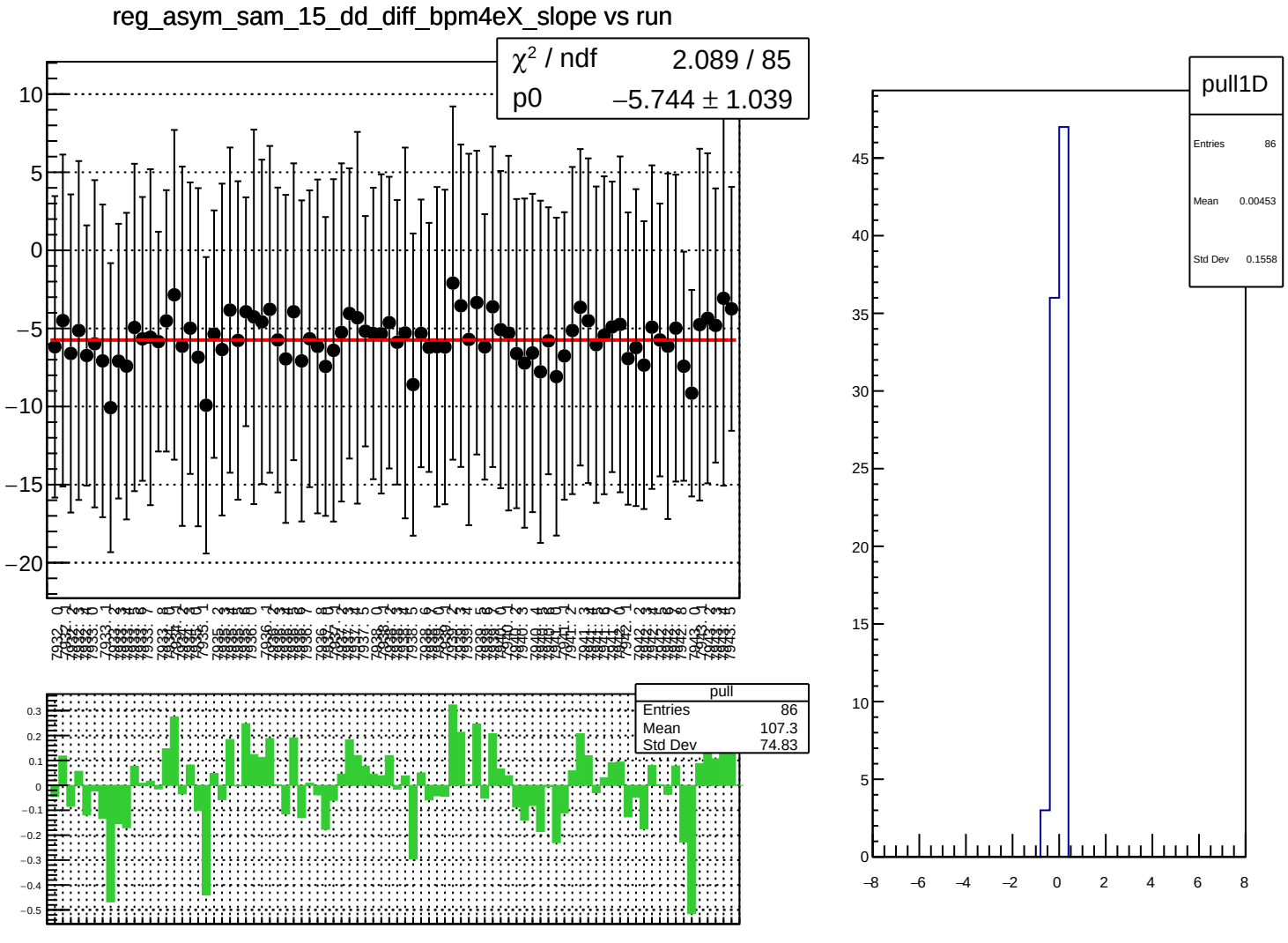

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.743 / 85
p0 21.37 ± 0.6444
pull
Entries 86
Mean −1118
Std Dev 1156
pull1D
Entries 86
Mean −0.003065
Std Dev 0.3366

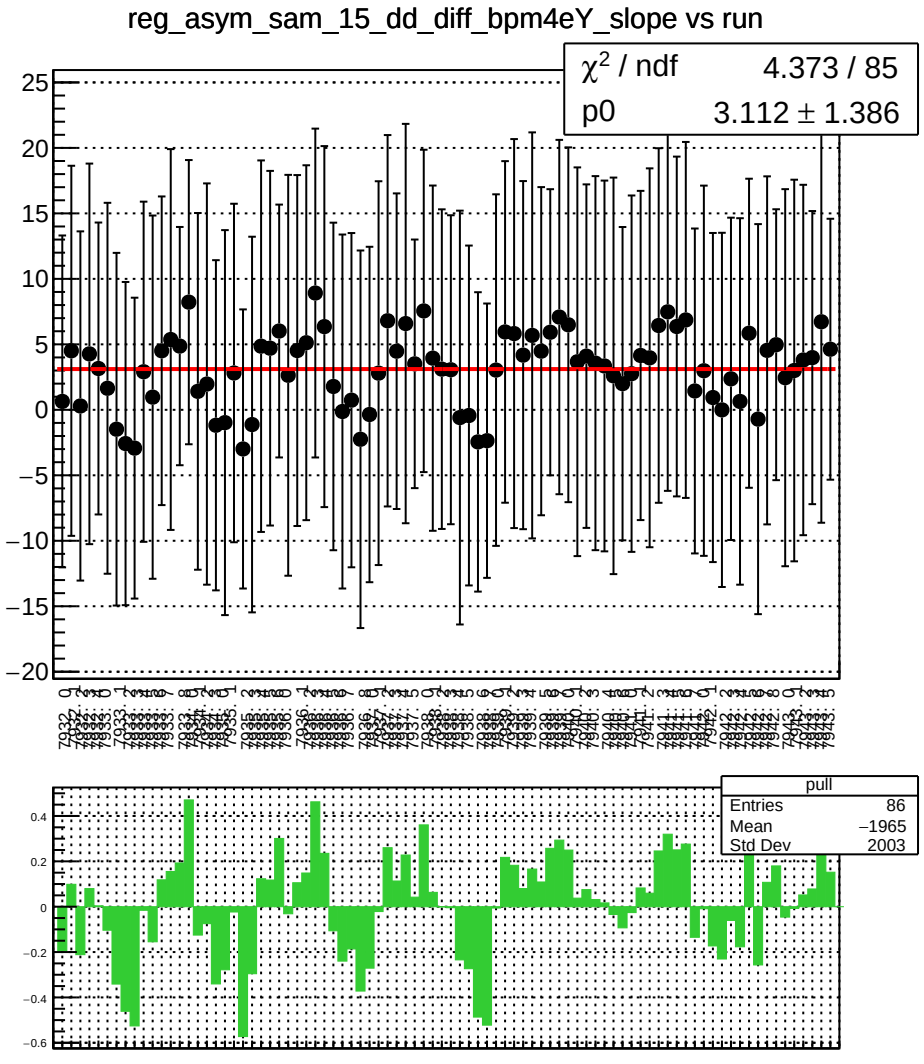

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 8.602 / 85
p0 −0.3873 ± 0.01808
pull
Entries 86
Mean −516.1
Std Dev 550.1
pull1D
Entries 86
Mean −0.002974
Std Dev 0.3163

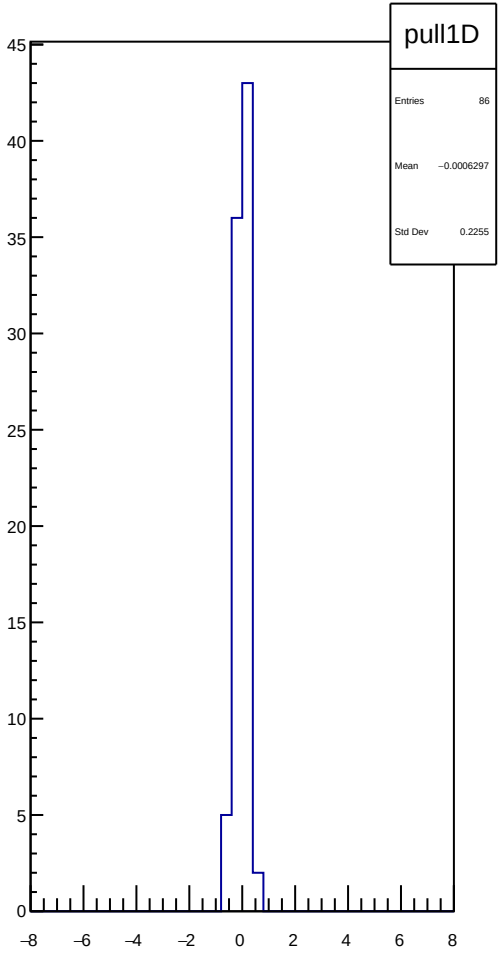

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 2.02 / 85
p0 −3.019 ± 1.155
pull
Entries 86
Mean 115.1
Std Dev 81.09
pull1D
Entries 86
Mean −0.004197
Std Dev 0.1532

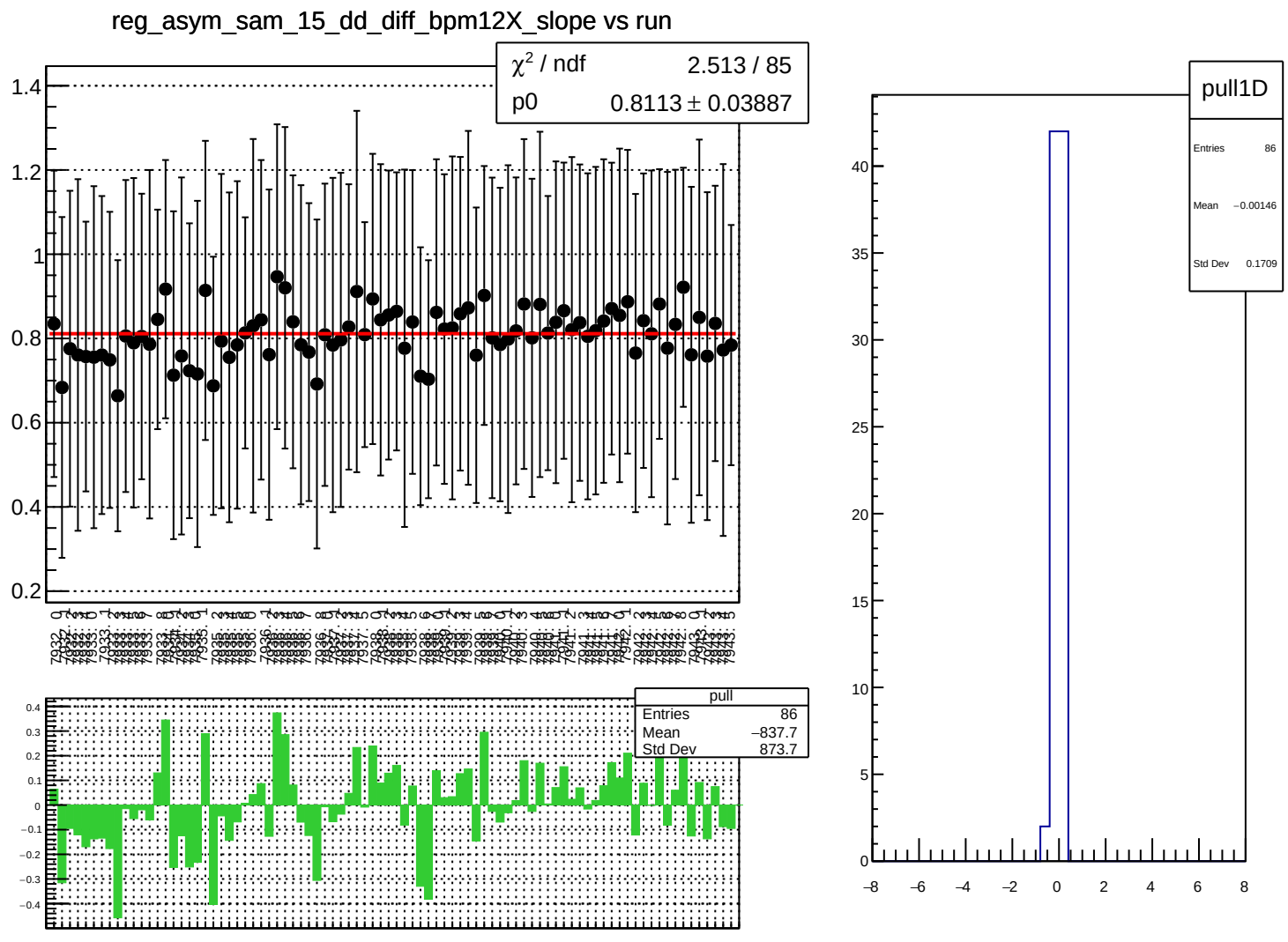

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.592 / 85
p0 −96.08 ± 1.202
pull
Entries 86
Mean 2083
Std Dev 2044

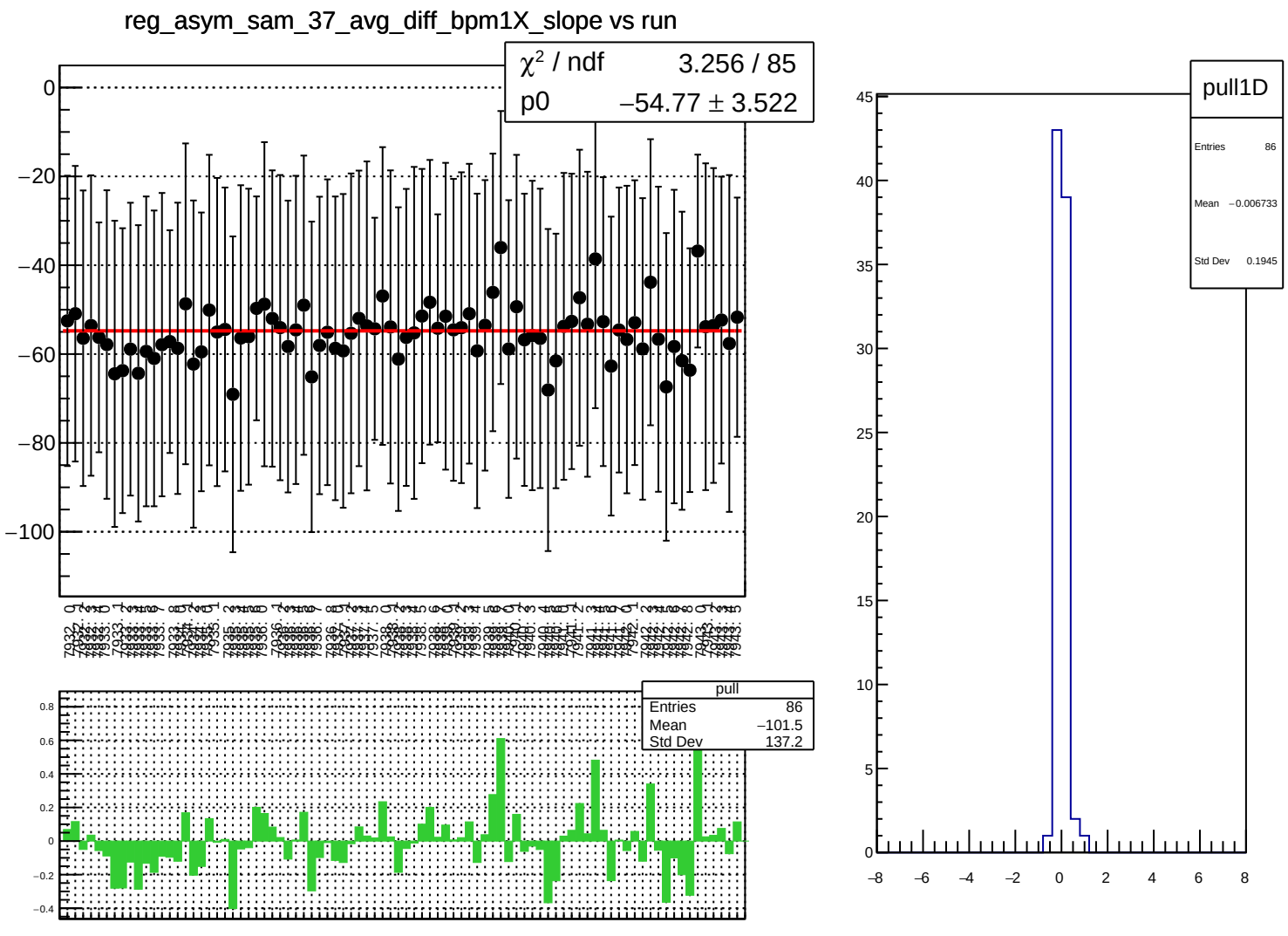

pull1D
Entries 86
Mean −0.0004878
Std Dev 0.2311

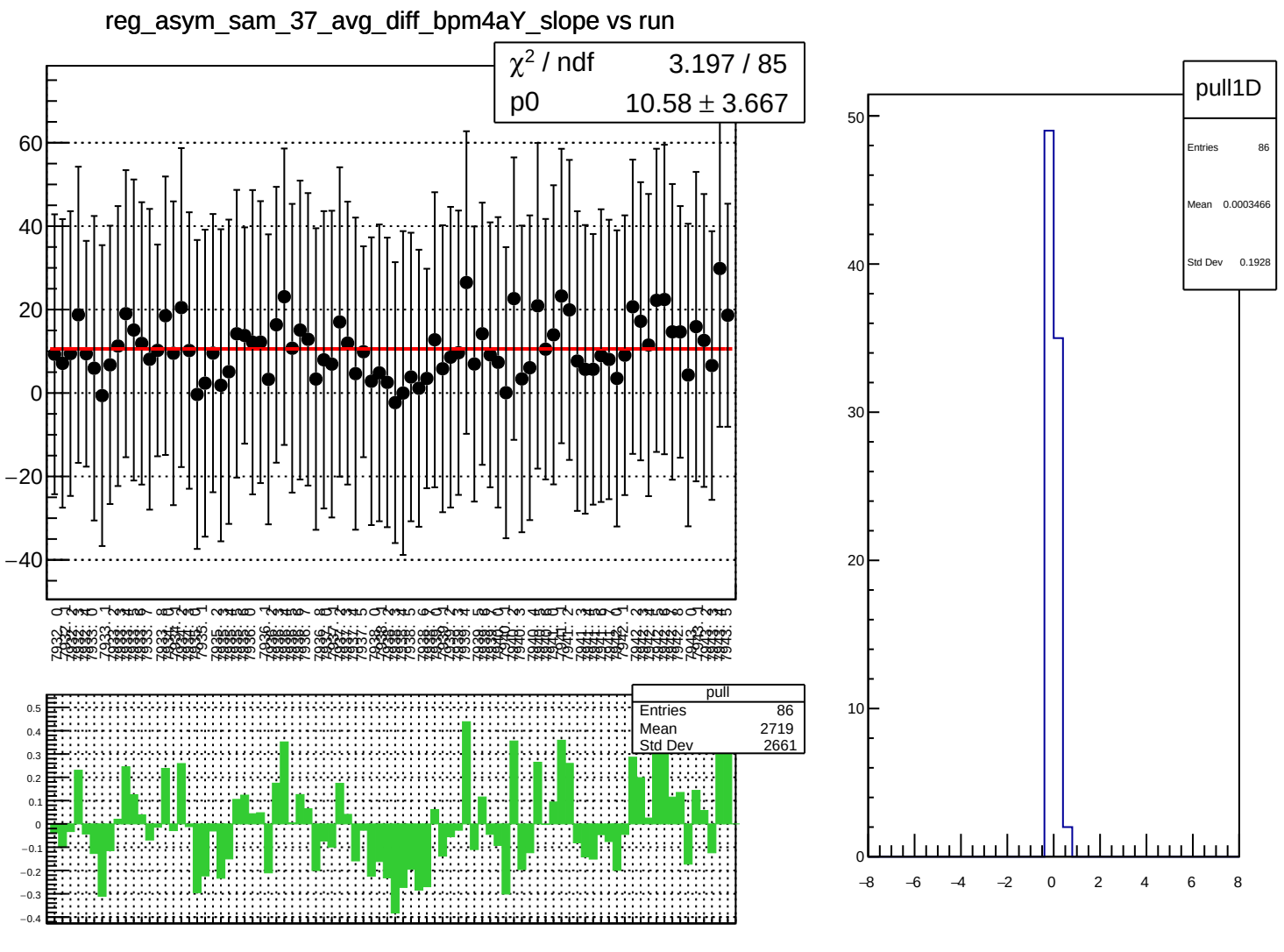

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.089 / 85
p0 −5.744 ± 1.039
pull
Entries 86
Mean 107.3
Std Dev 74.83
pull1D
Entries 86
Mean 0.00453
Std Dev 0.1558

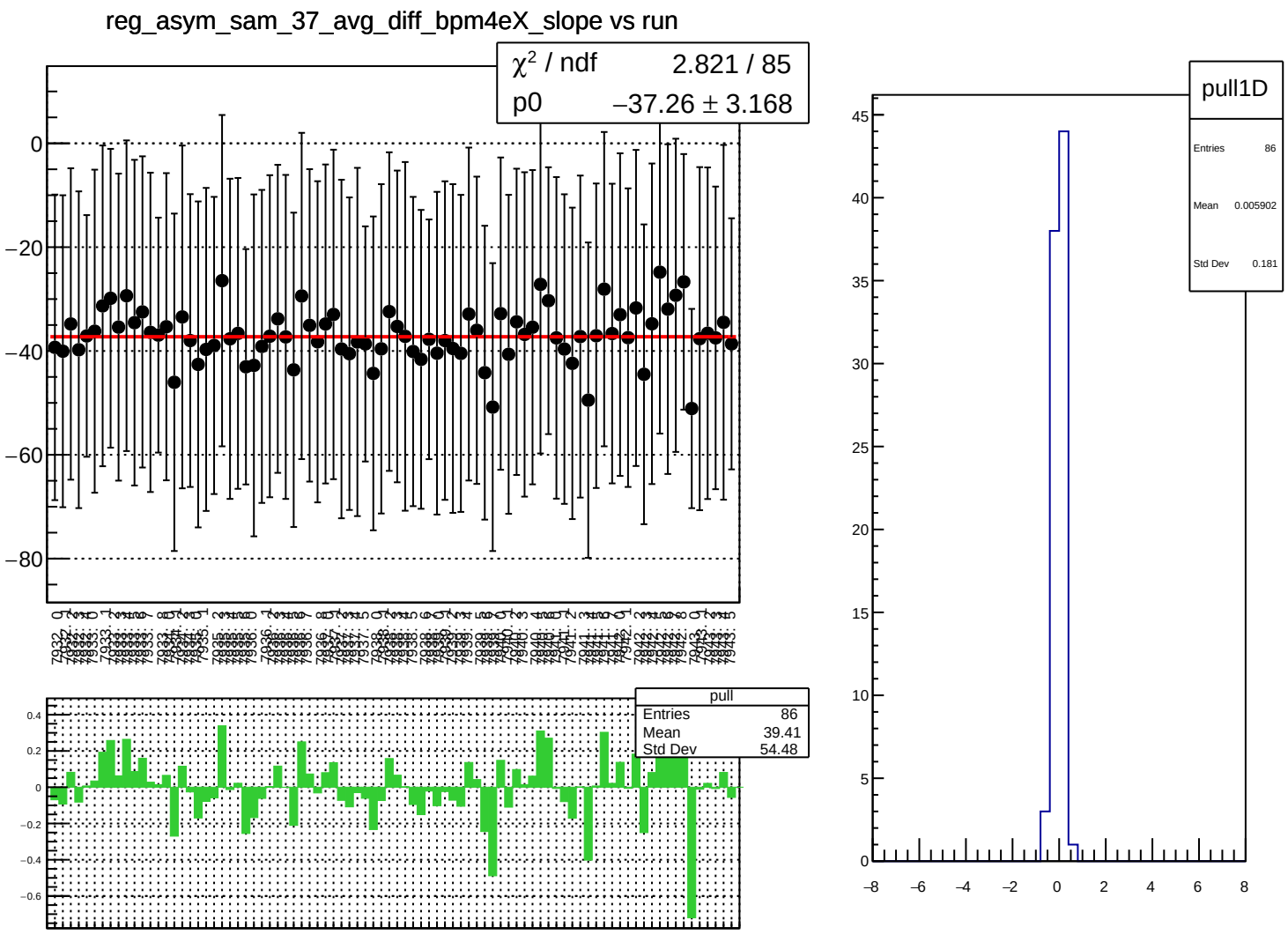

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.373 / 85
p0 3.112 ± 1.386
pull
Entries 86
Mean −1965
Std Dev 2003

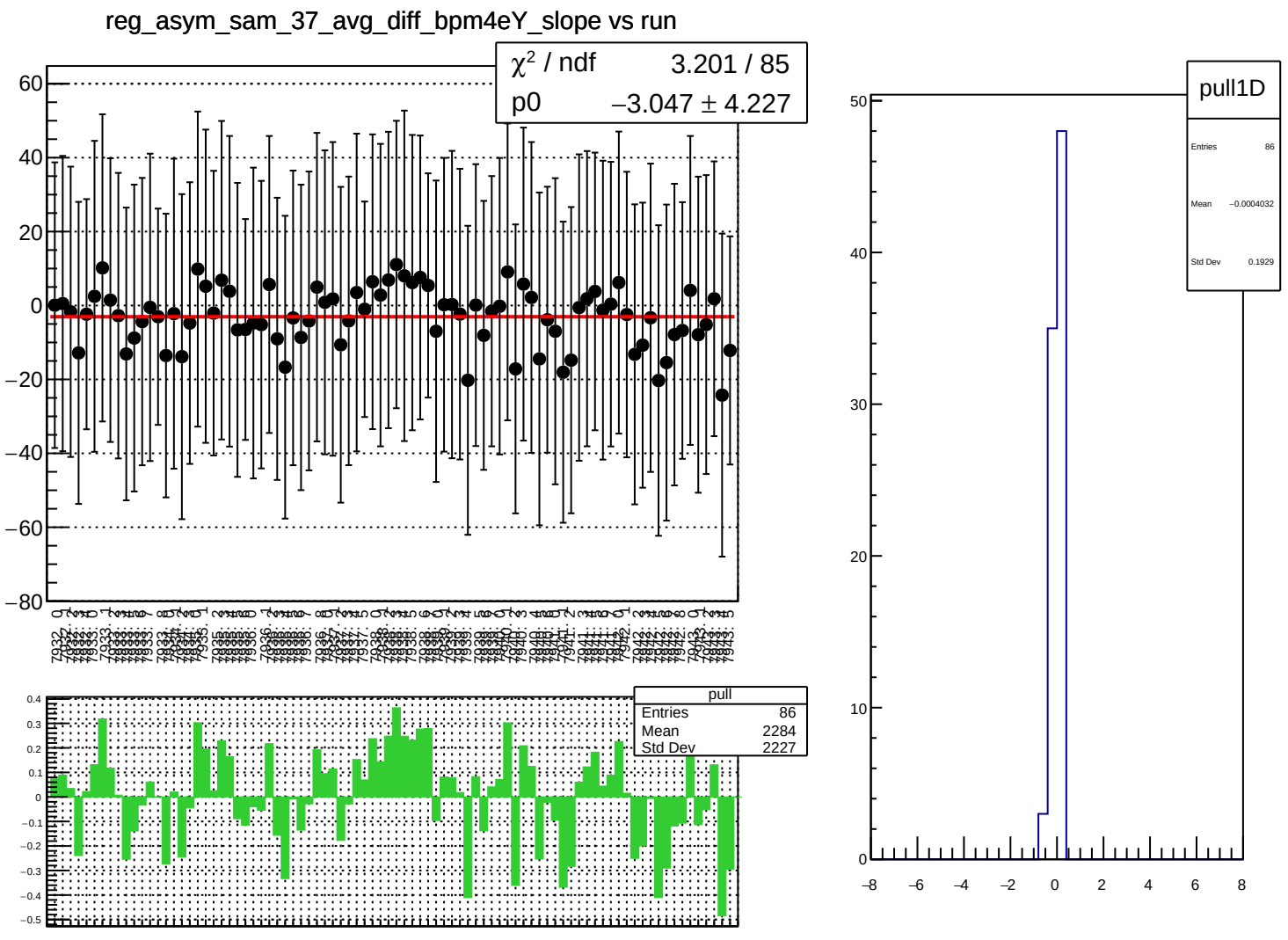

pull1D
Entries 86
Mean −0.0006297
Std Dev 0.2255

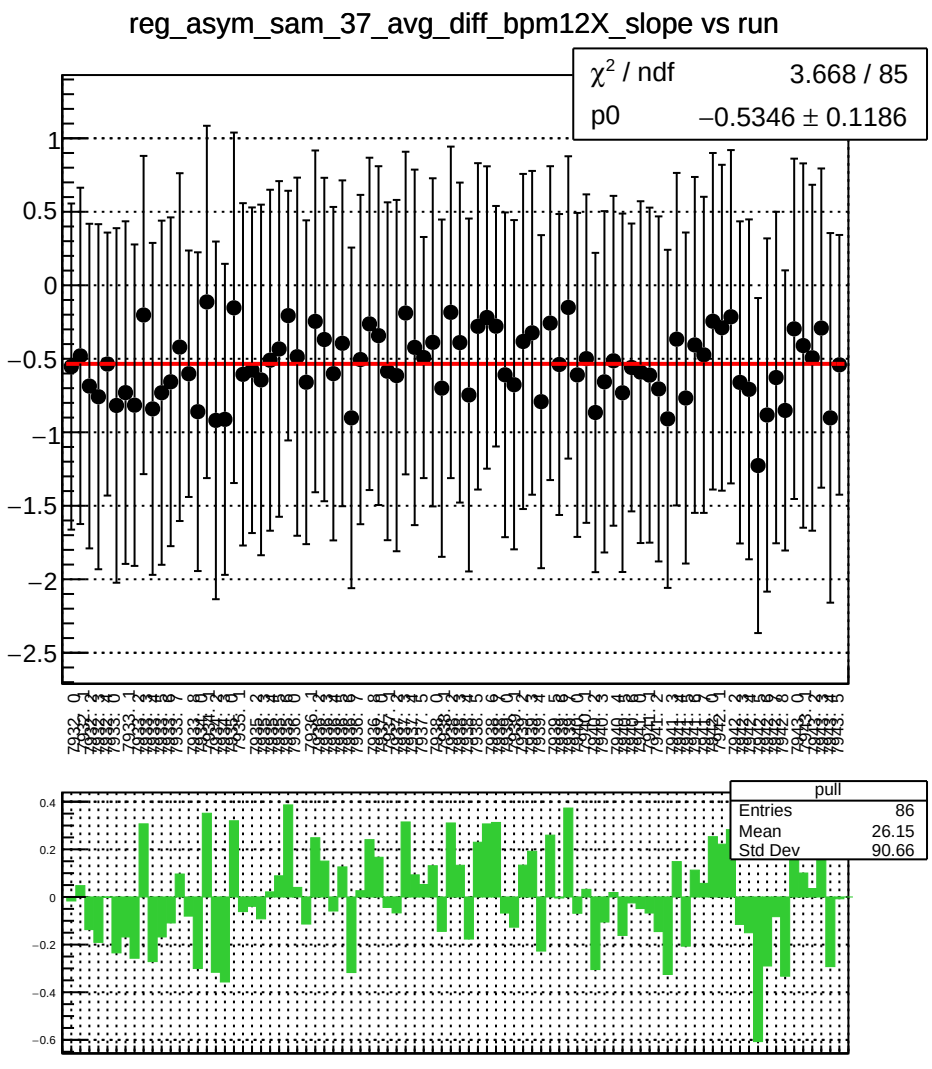

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 2.513 / 85
p0 0.8113 ± 0.03887
pull
Entries 86
Mean −837.7
Std Dev 873.7
pull1D
Entries 86
Mean −0.00146
Std Dev 0.1709

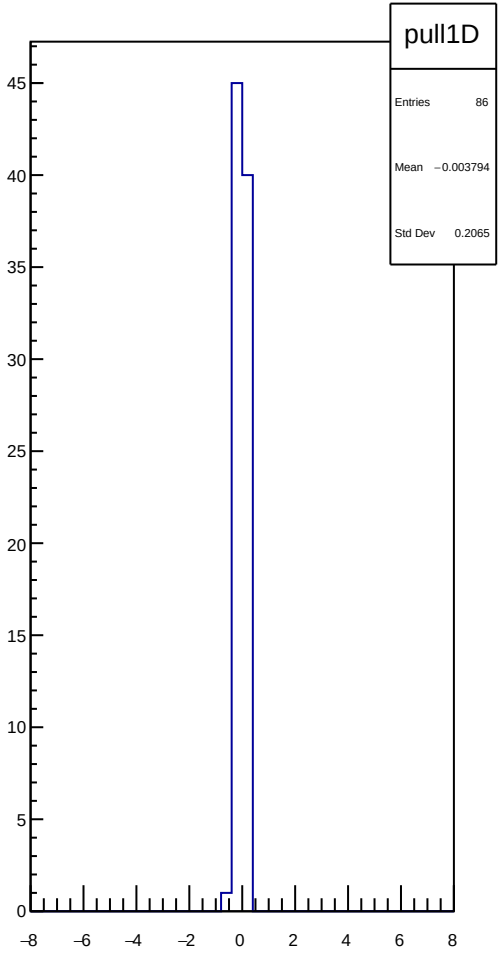

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 3.256 / 85
p0 −54.77 ± 3.522
pull
Entries 86
Mean −101.5
Std Dev 137.2
pull1D
Entries 86
Mean −0.006733
Std Dev 0.1945

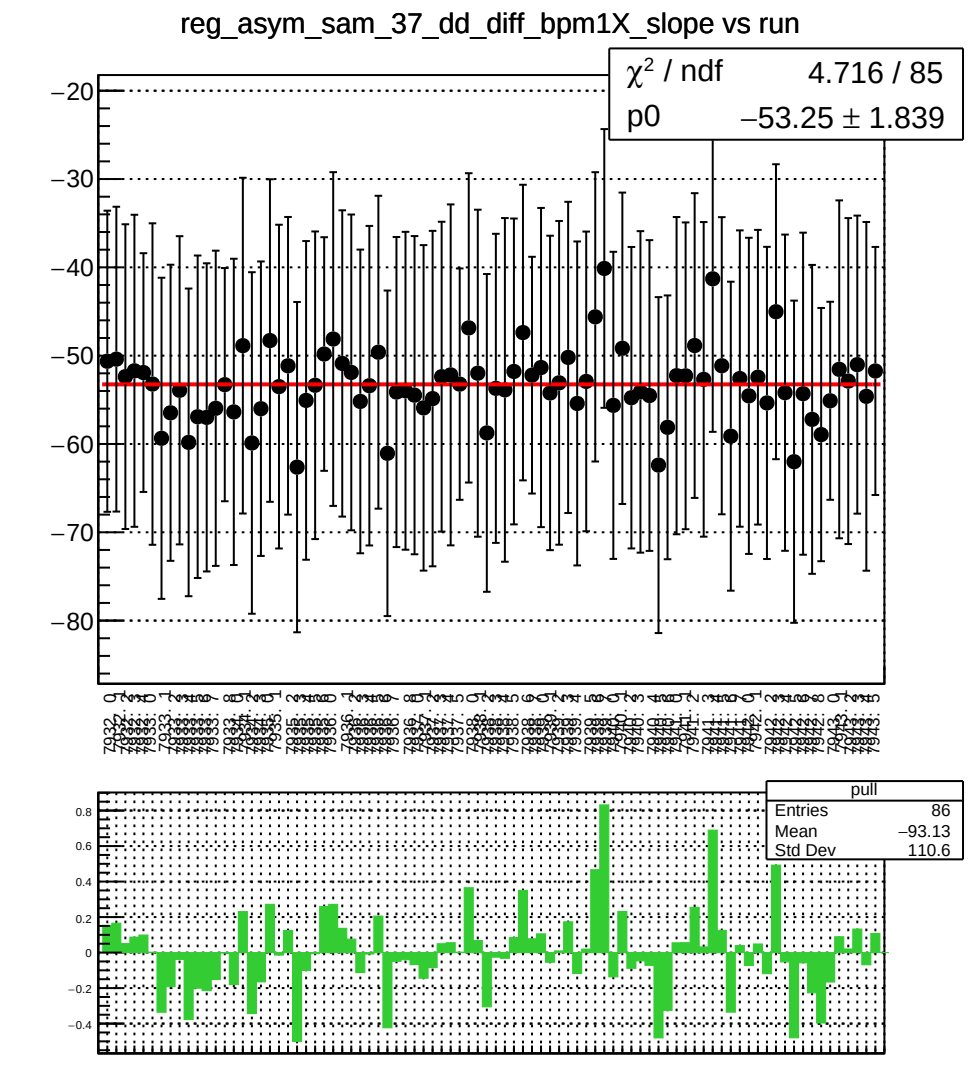

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.197 / 85
p0 10.58 ± 3.667
pull
Entries 86
Mean 2719
Std Dev 2661
pull1D
Entries 86
Mean 0.0003466
Std Dev 0.1928

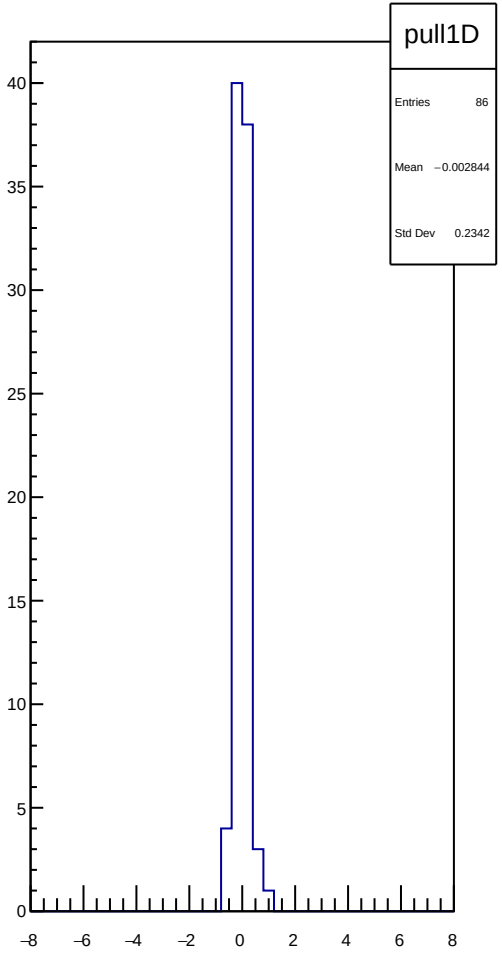

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.821 / 85
p0 −37.26 ± 3.168
pull
Entries 86
Mean 39.41
Std Dev 54.48
pull1D
Entries 86
Mean 0.005902
Std Dev 0.181

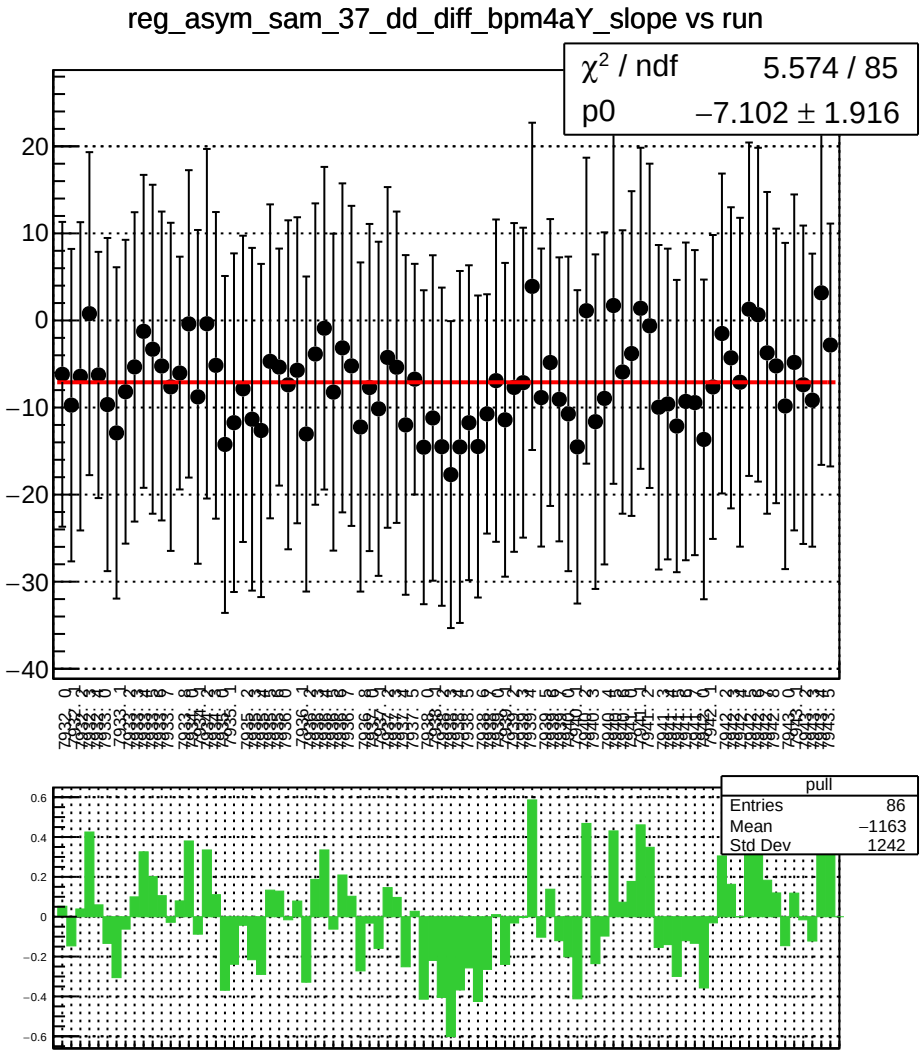

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.201 / 85
p0 −3.047 ± 4.227
pull
Entries 86
Mean 2284
Std Dev 2227
pull1D
Entries 86
Mean −0.0004032
Std Dev 0.1929

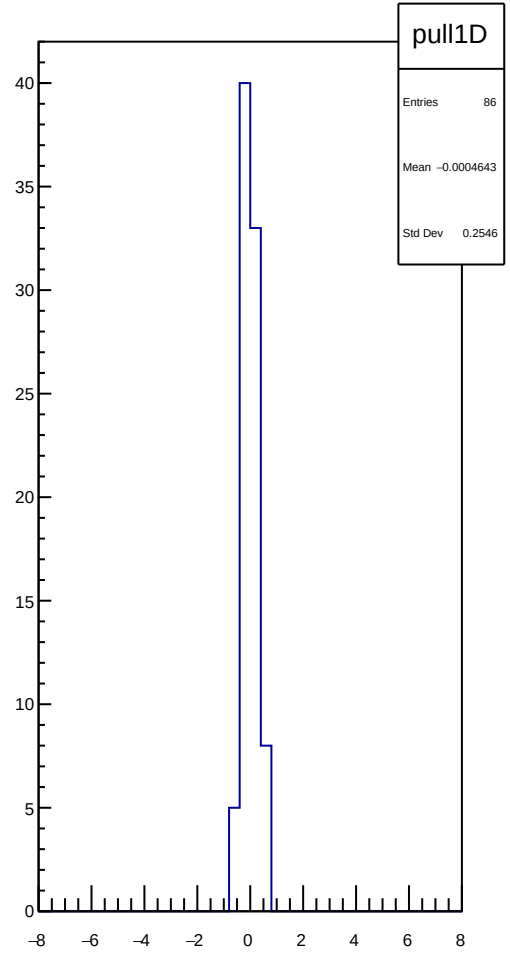

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 3.668 / 85
p0 −0.5346 ± 0.1186
pull
Entries 86
Mean 26.15
Std Dev 90.66

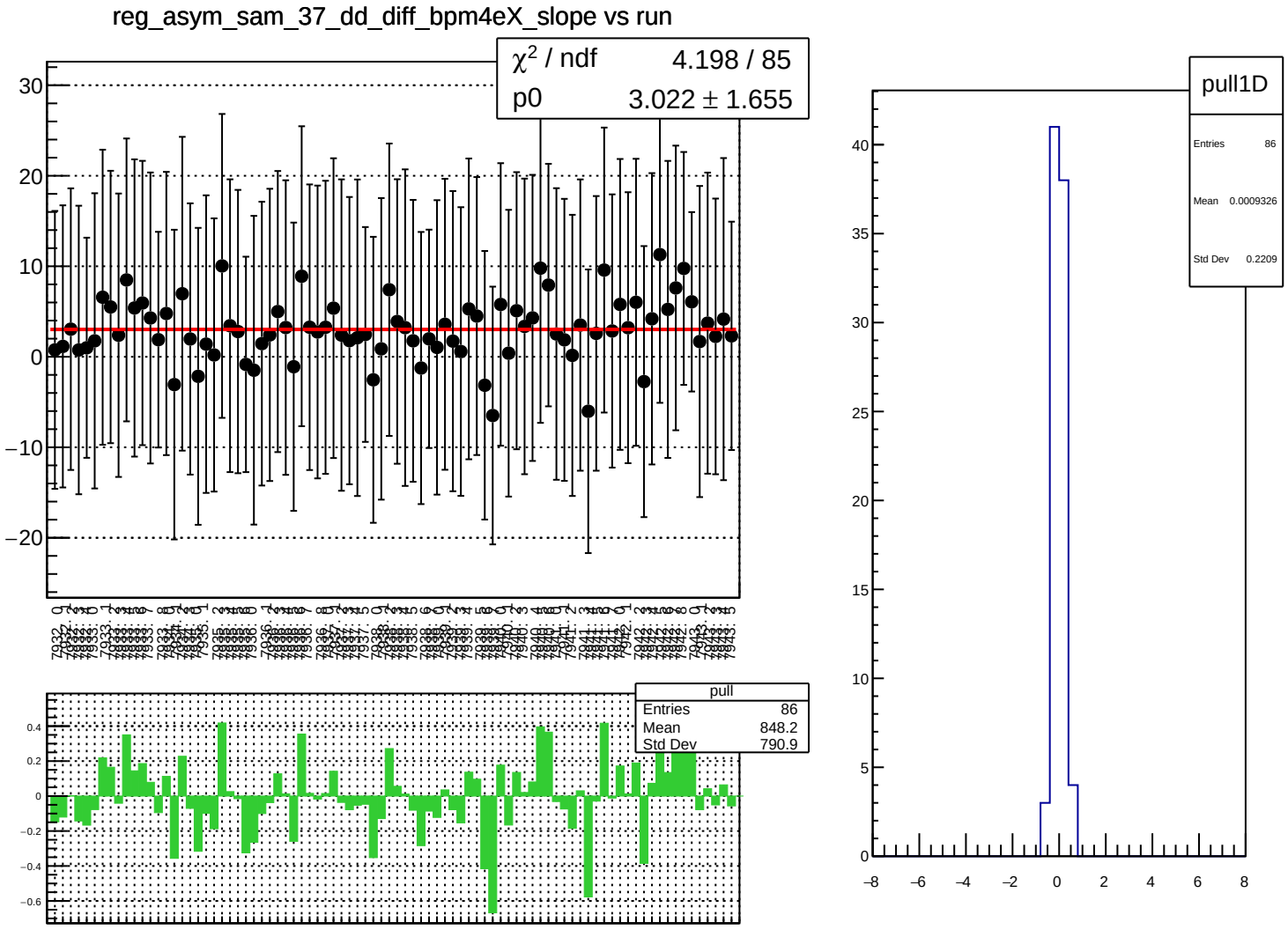

pull1D
Entries 86
Mean −0.003794
Std Dev 0.2065

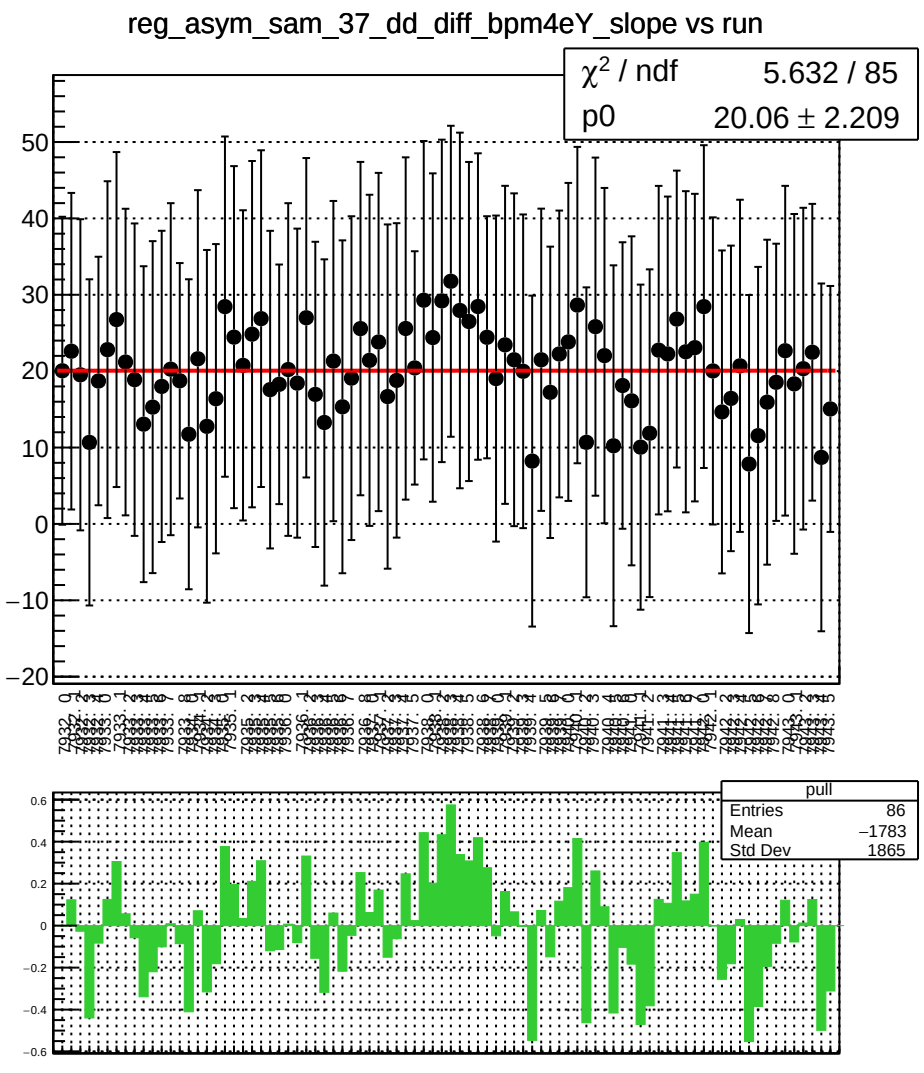

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 4.716 / 85
p0 −53.25 ± 1.839
pull
Entries 86
Mean −93.13
Std Dev 110.6

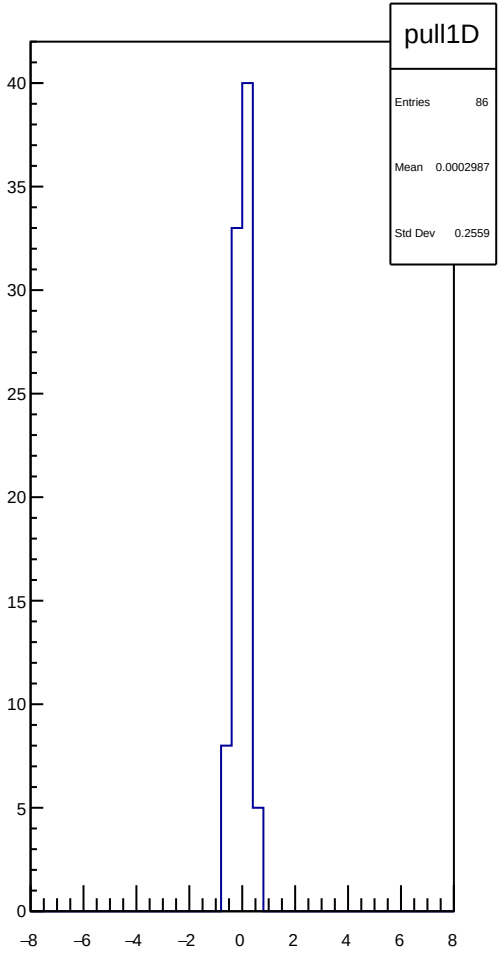

pull1D
Entries 86
Mean −0.002844
Std Dev 0.2342

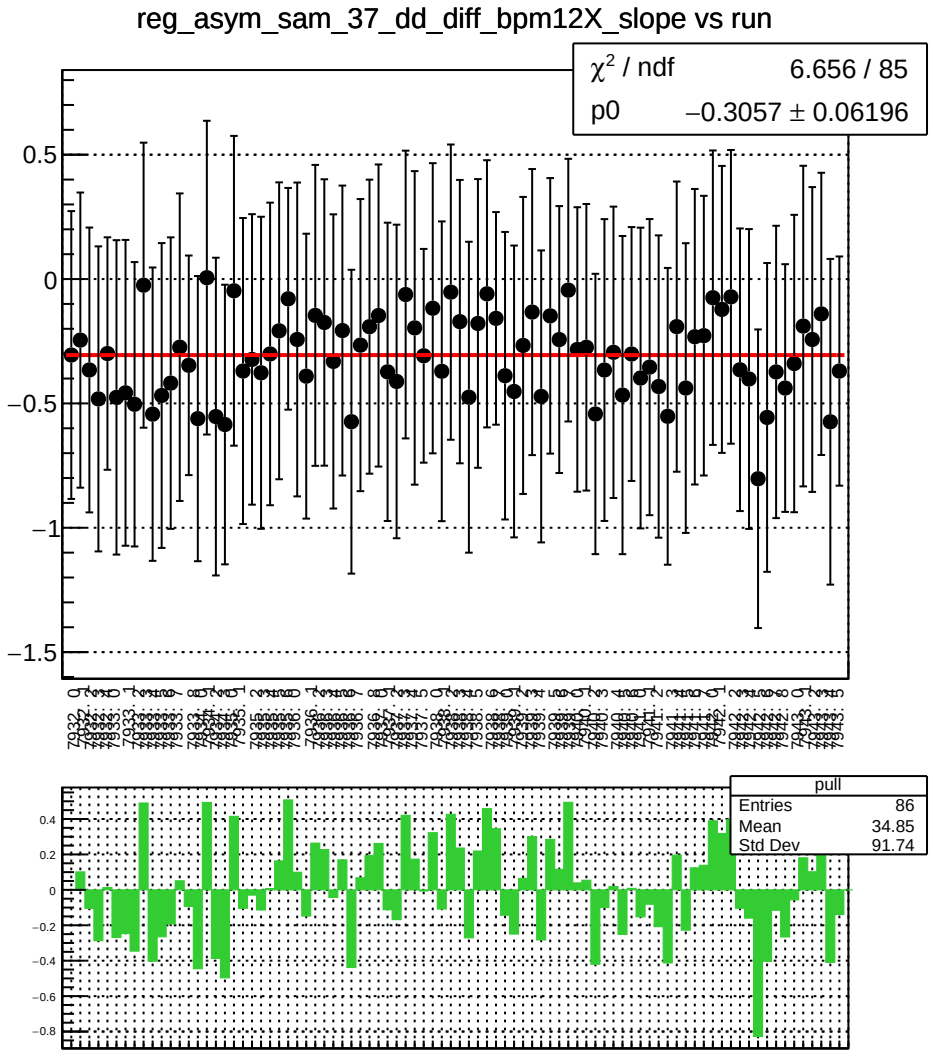

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.574 / 85
p0 −7.102 ± 1.916
pull
Entries 86
Mean −1163
Std Dev 1242

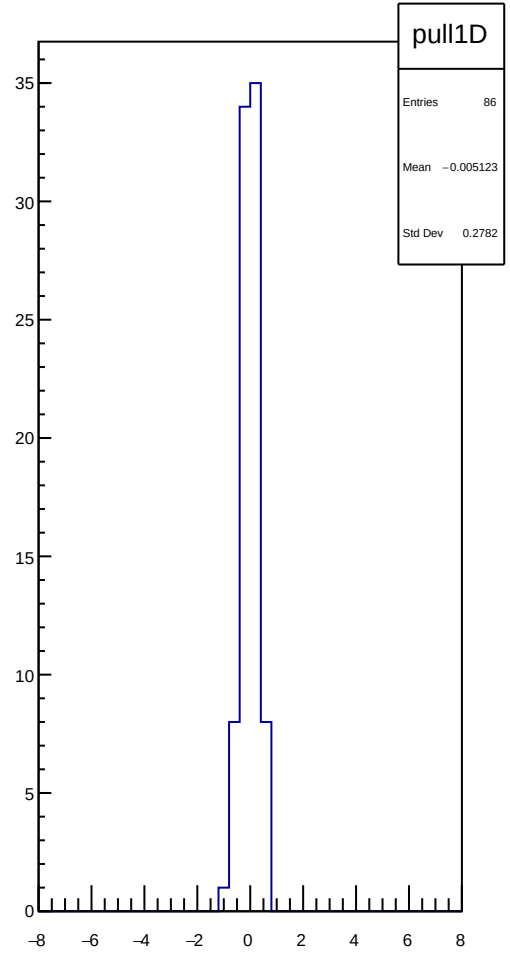

pull1D
Entries 86
Mean −0.0004643
Std Dev 0.2546

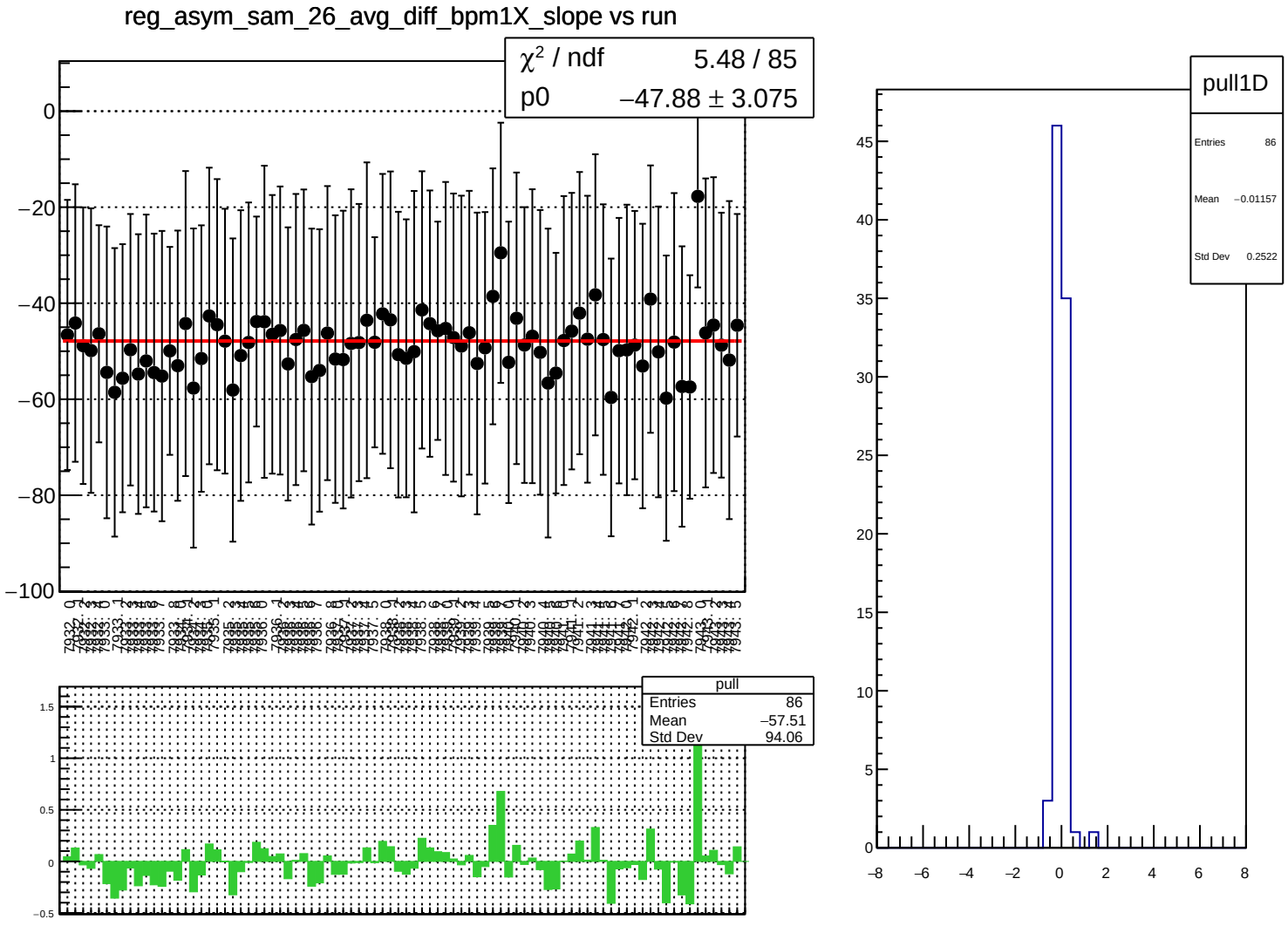

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.198 / 85
p0 3.022 ± 1.655
pull
Entries 86
Mean 848.2
Std Dev 790.9
pull1D
Entries 86
Mean 0.0009326
Std Dev 0.2209

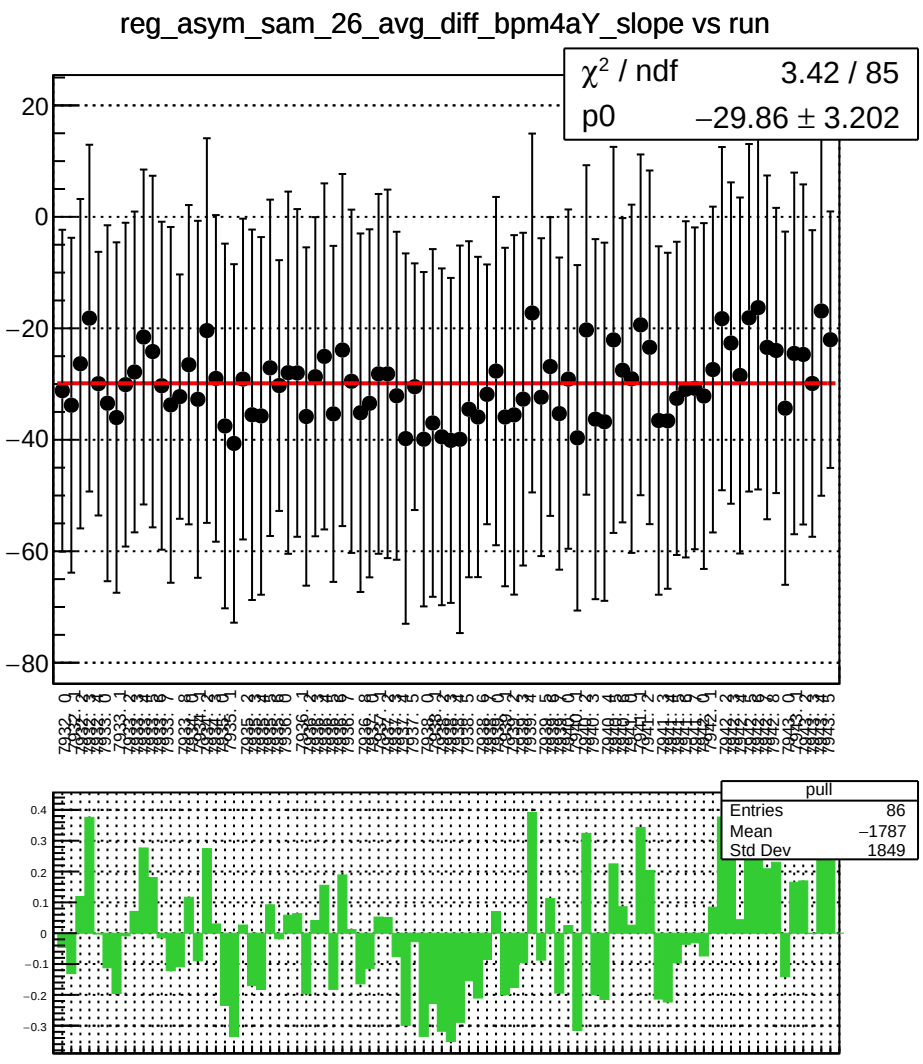

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.632 / 85
p0 20.06 ± 2.209
pull
Entries 86
Mean −1783
Std Dev 1865

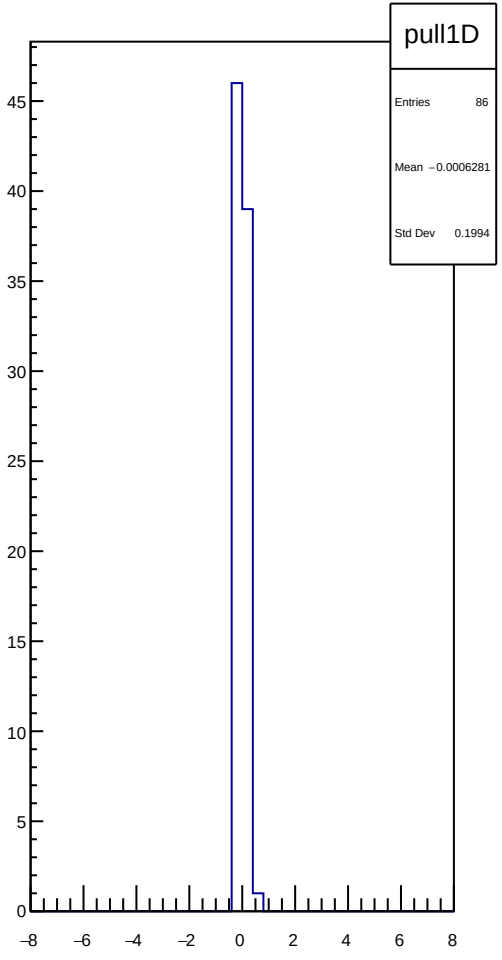

pull1D
Entries 86
Mean 0.0002987
Std Dev 0.2559

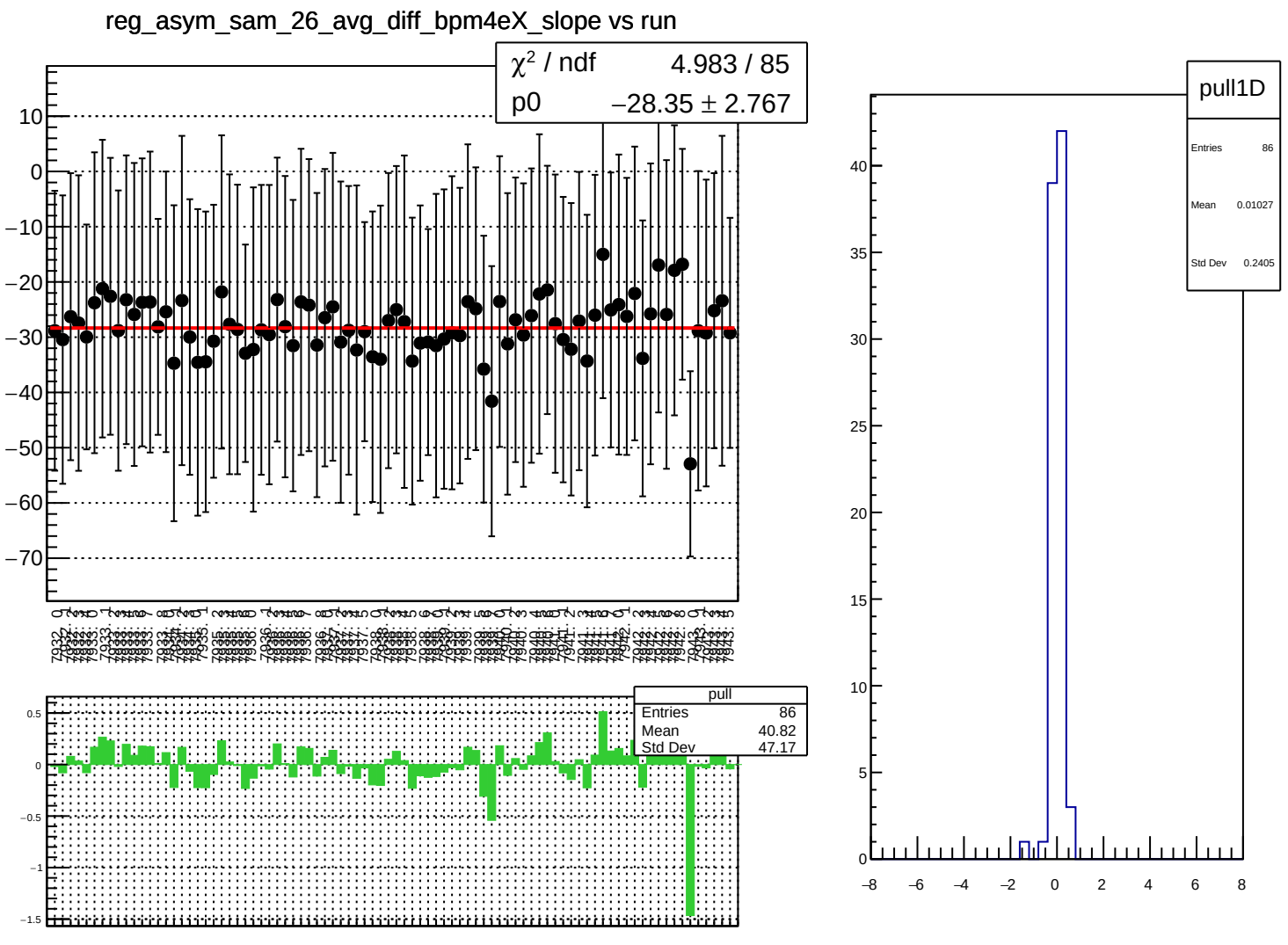

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.656 / 85
p0 −0.3057 ± 0.06196
pull
Entries 86
Mean 34.85
Std Dev 91.74

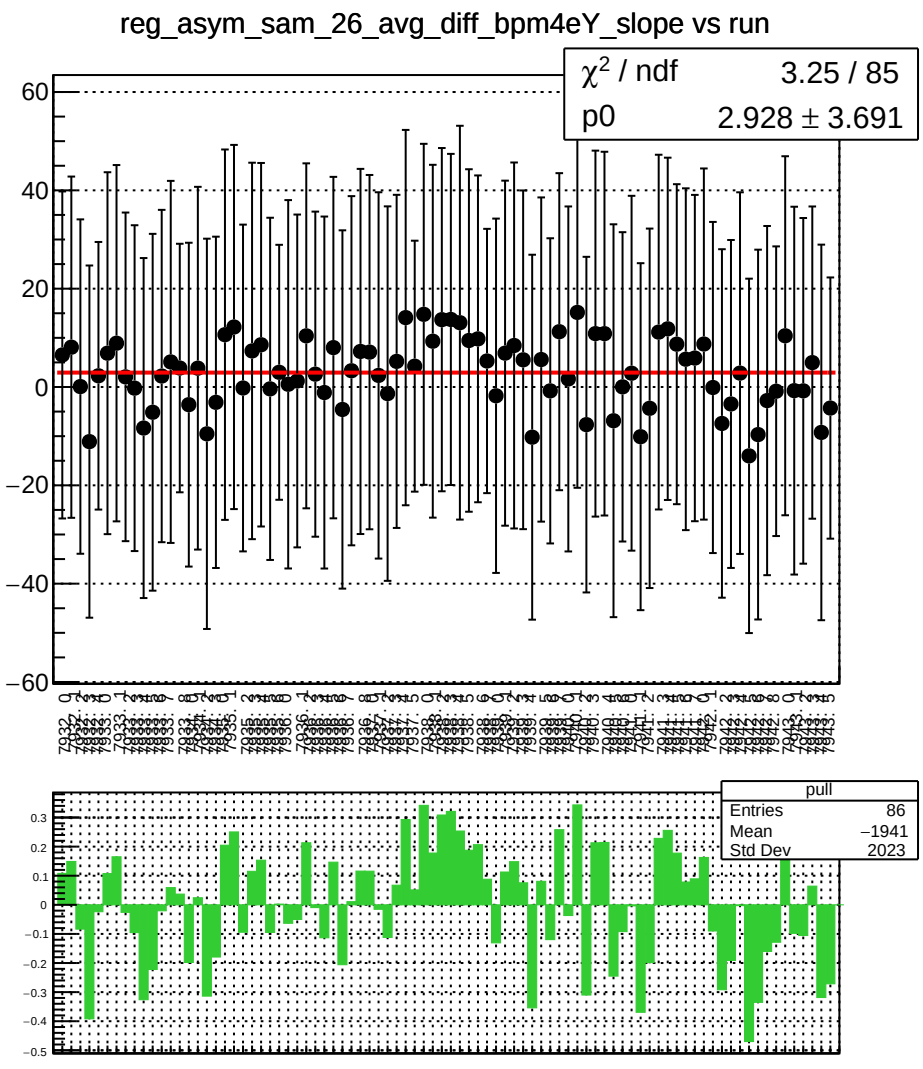

pull1D
Entries 86
Mean −0.005123
Std Dev 0.2782

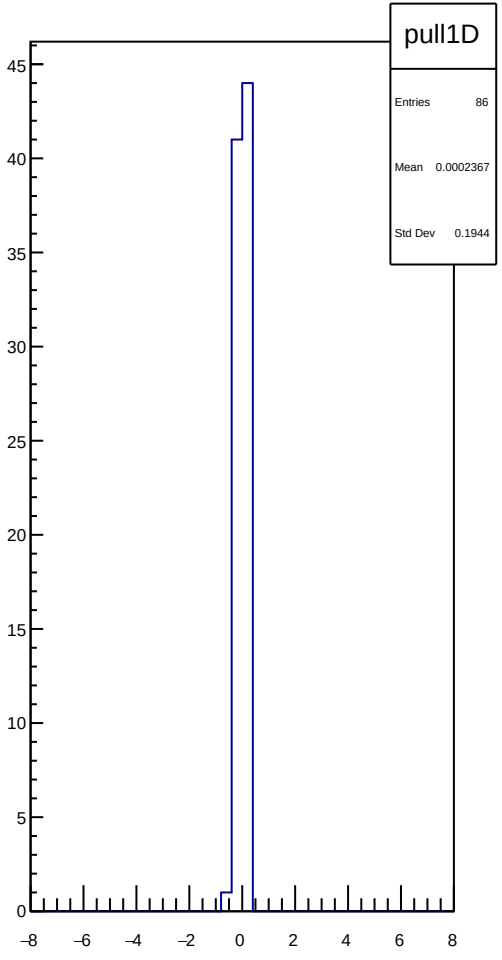

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 5.48 / 85
p0 −47.88 ± 3.075
pull
Entries 86
Mean −57.51
Std Dev 94.06
pull1D
Entries 86
Mean −0.01157
Std Dev 0.2522

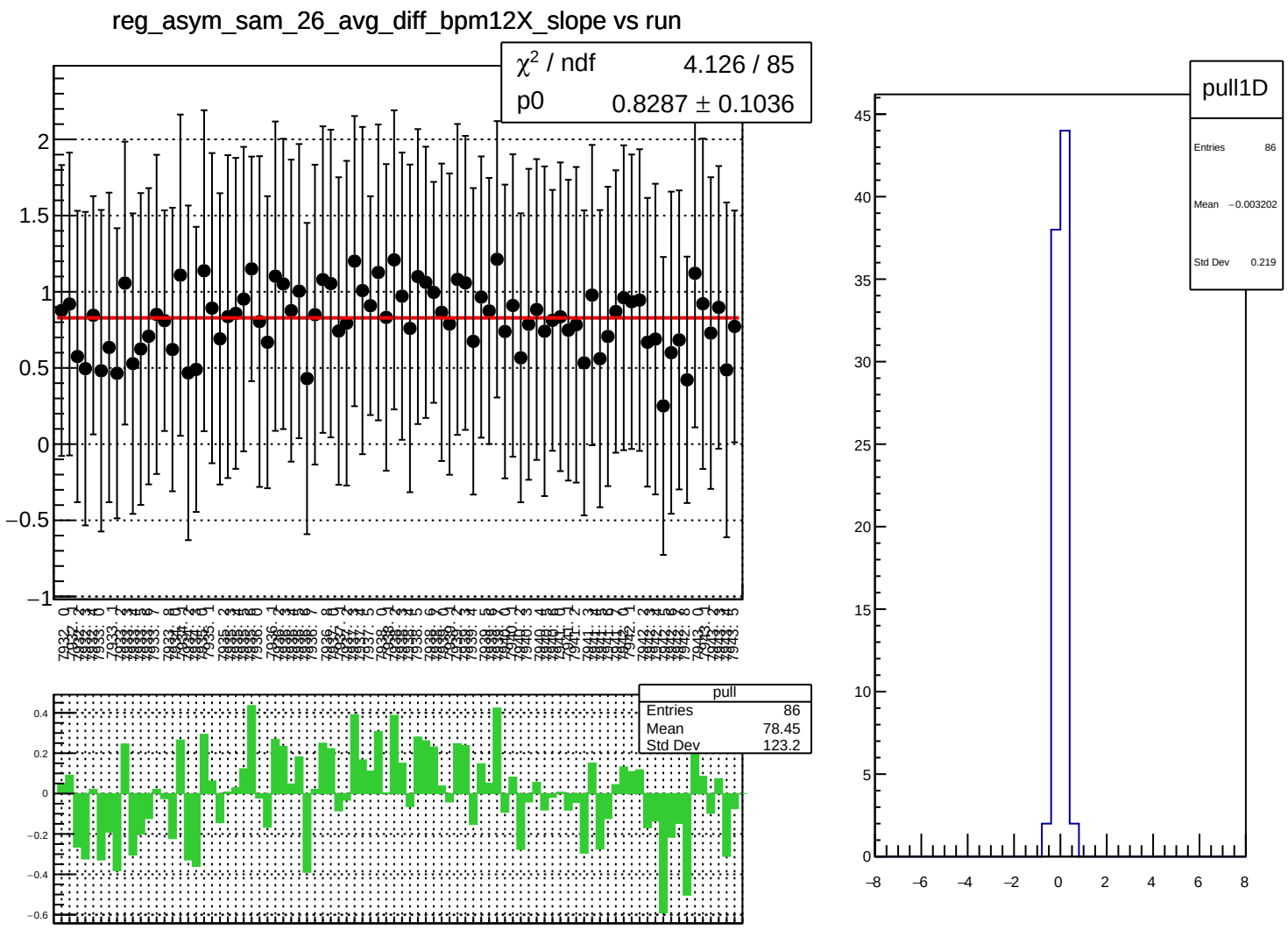

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.42 / 85
p0 −29.86 ± 3.202
pull
Entries 86
Mean −1787
Std Dev 1849

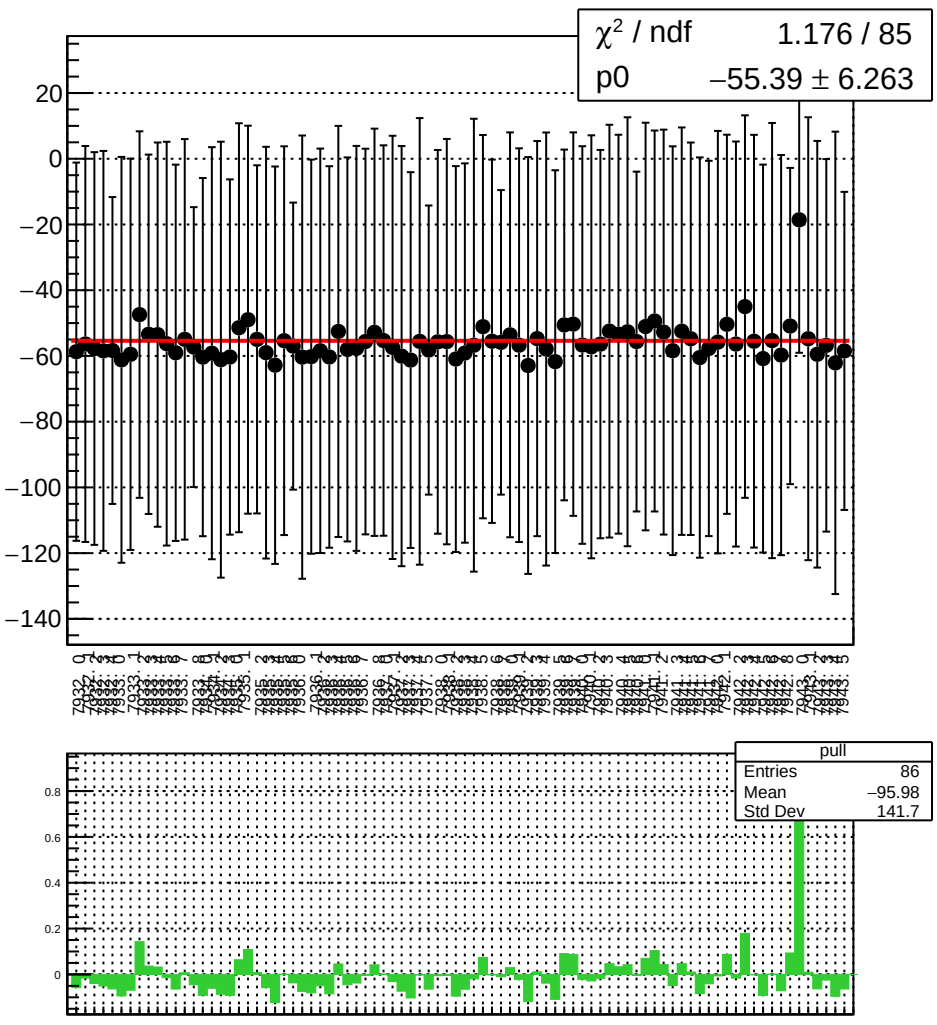

pull1D
Entries 86
Mean −0.0006281
Std Dev 0.1994

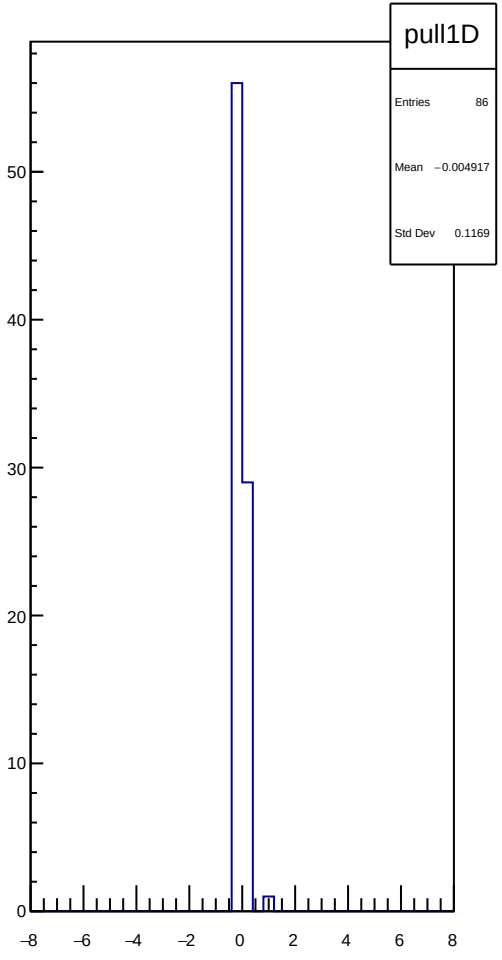

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.983 / 85
p0 −28.35 ± 2.767
pull
Entries 86
Mean 40.82
Std Dev 47.17
pull1D
Entries 86
Mean 0.01027
Std Dev 0.2405

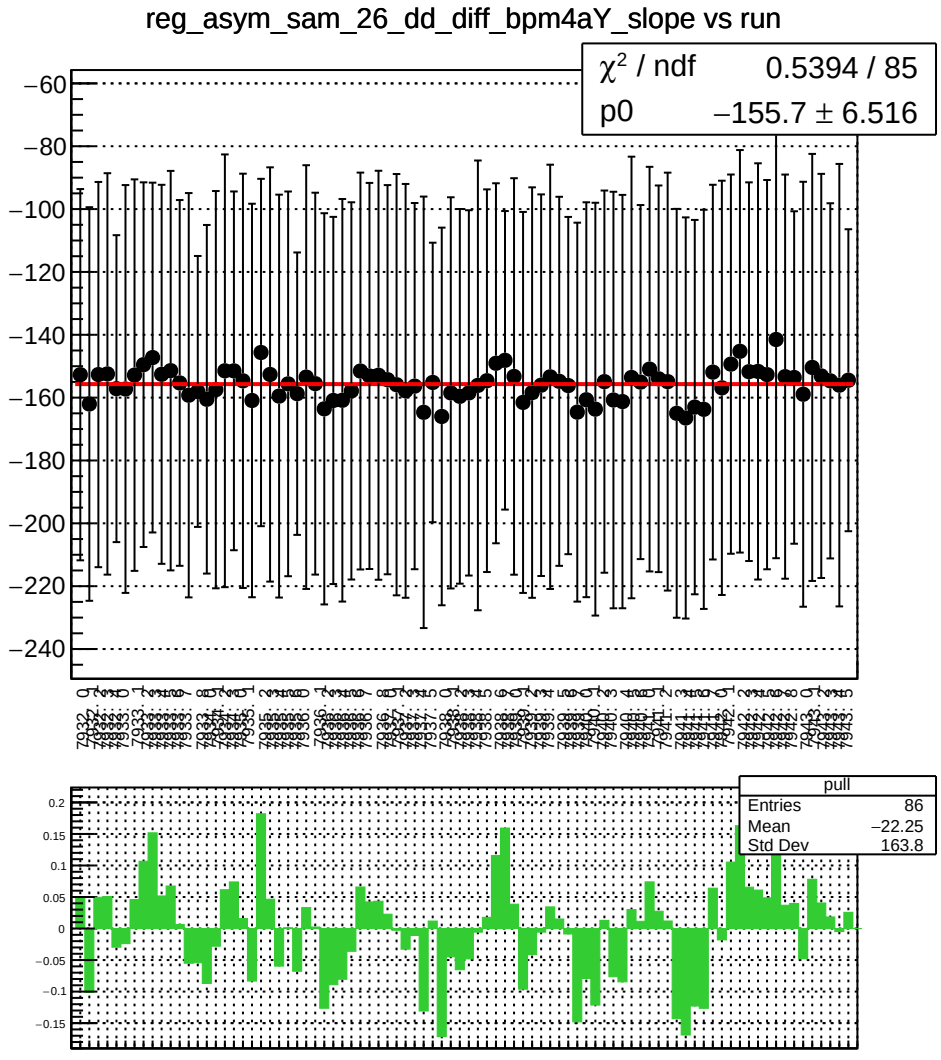

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.25 / 85
p0 2.928 ± 3.691
pull
Entries 86
Mean −1941
Std Dev 2023

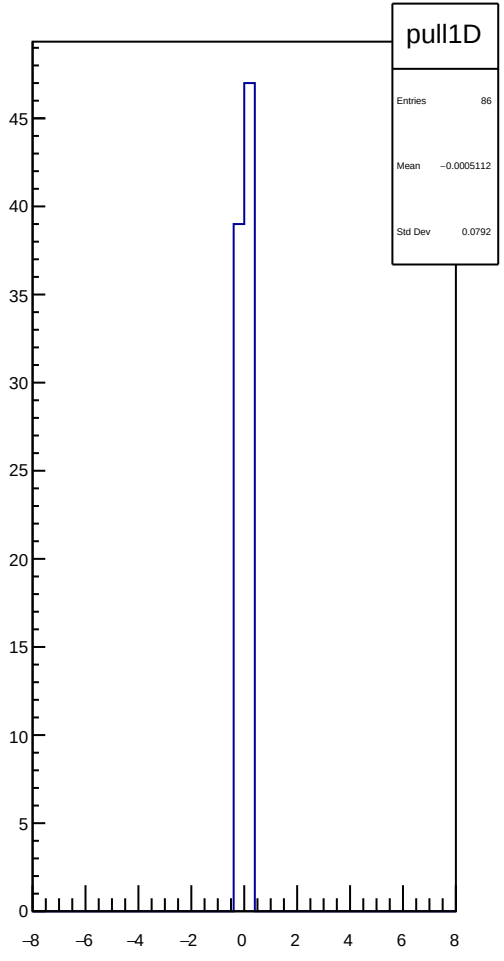

pull1D
Entries 86
Mean 0.0002367
Std Dev 0.1944

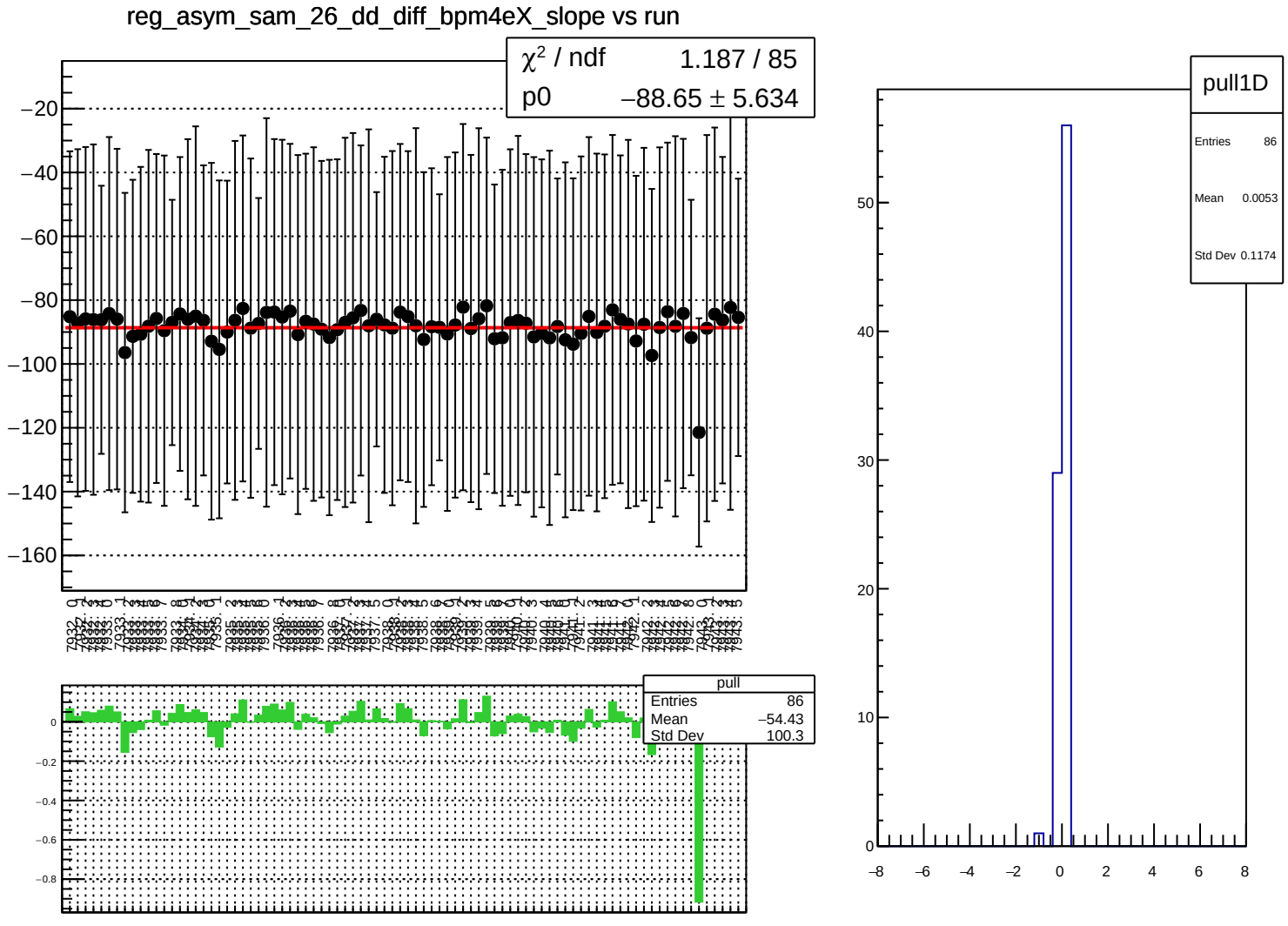

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 4.126 / 85
p0 0.8287 ± 0.1036
pull
Entries 86
Mean 78.45
Std Dev 123.2
pull1D
Entries 86
Mean −0.003202
Std Dev 0.219

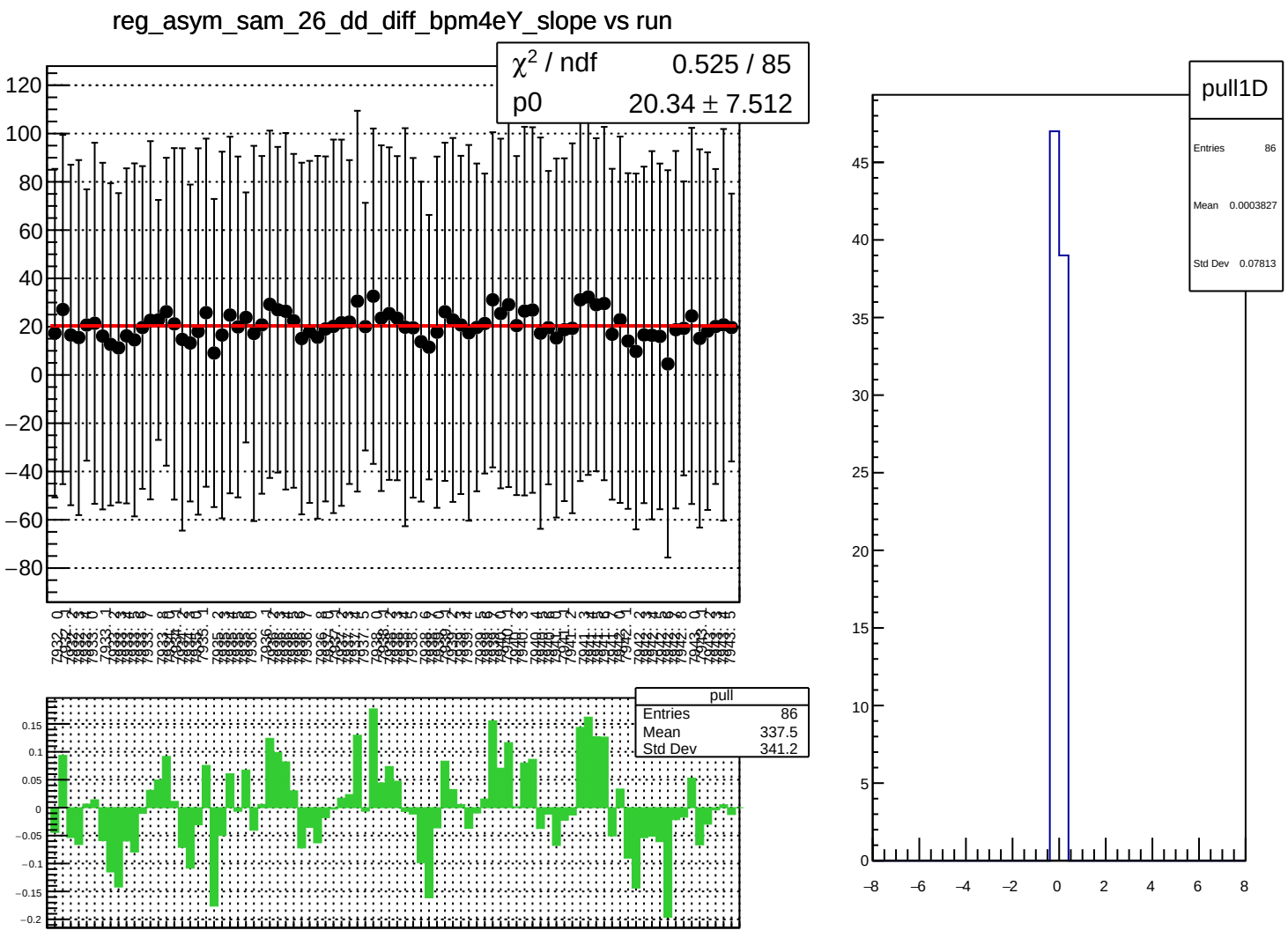

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.176 / 85
p0 −55.39 ± 6.263
pull
Entries 86
Mean −95.98
Std Dev 141.7

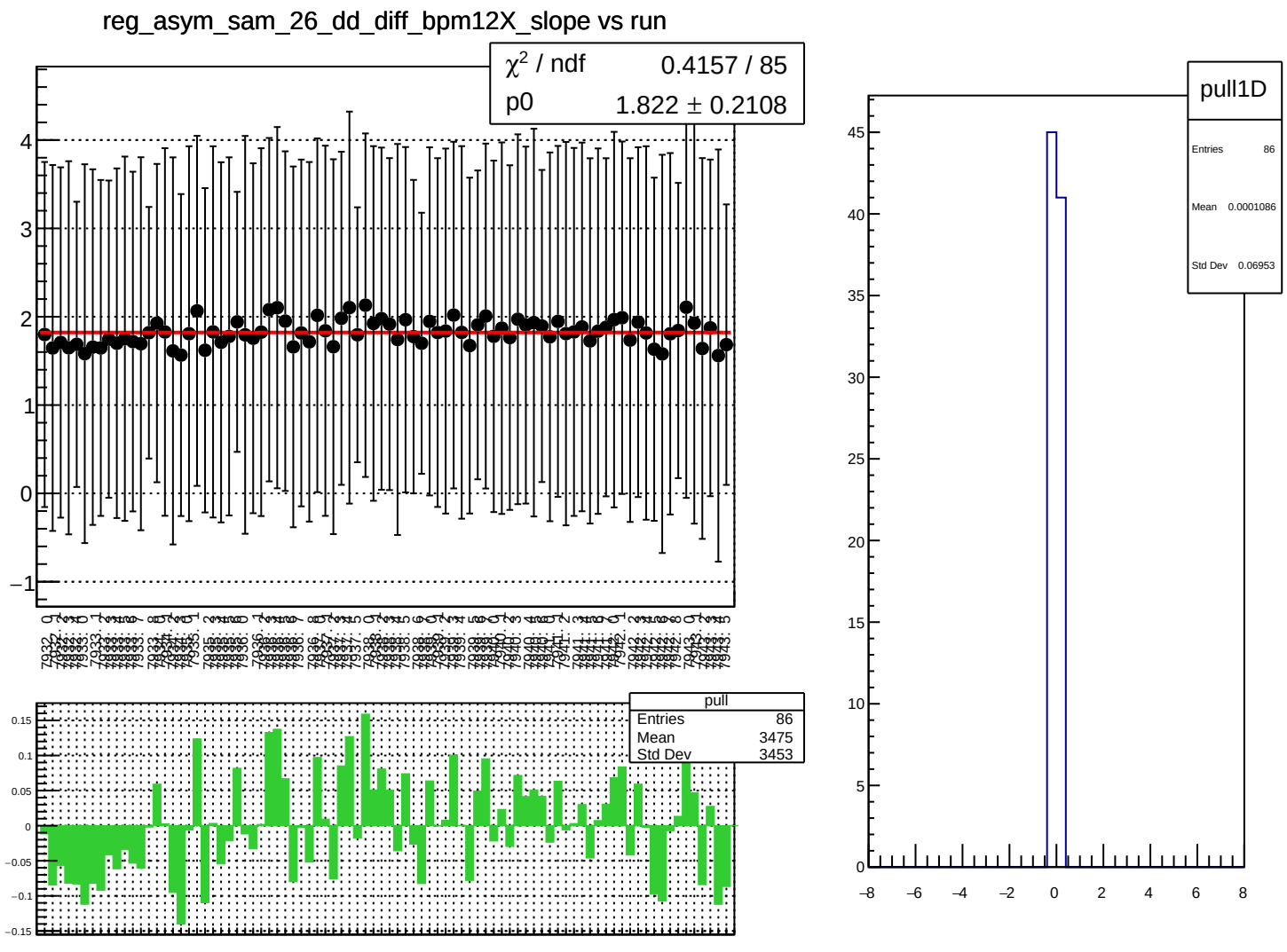

pull1D
Entries 86
Mean −0.004917
Std Dev 0.1169

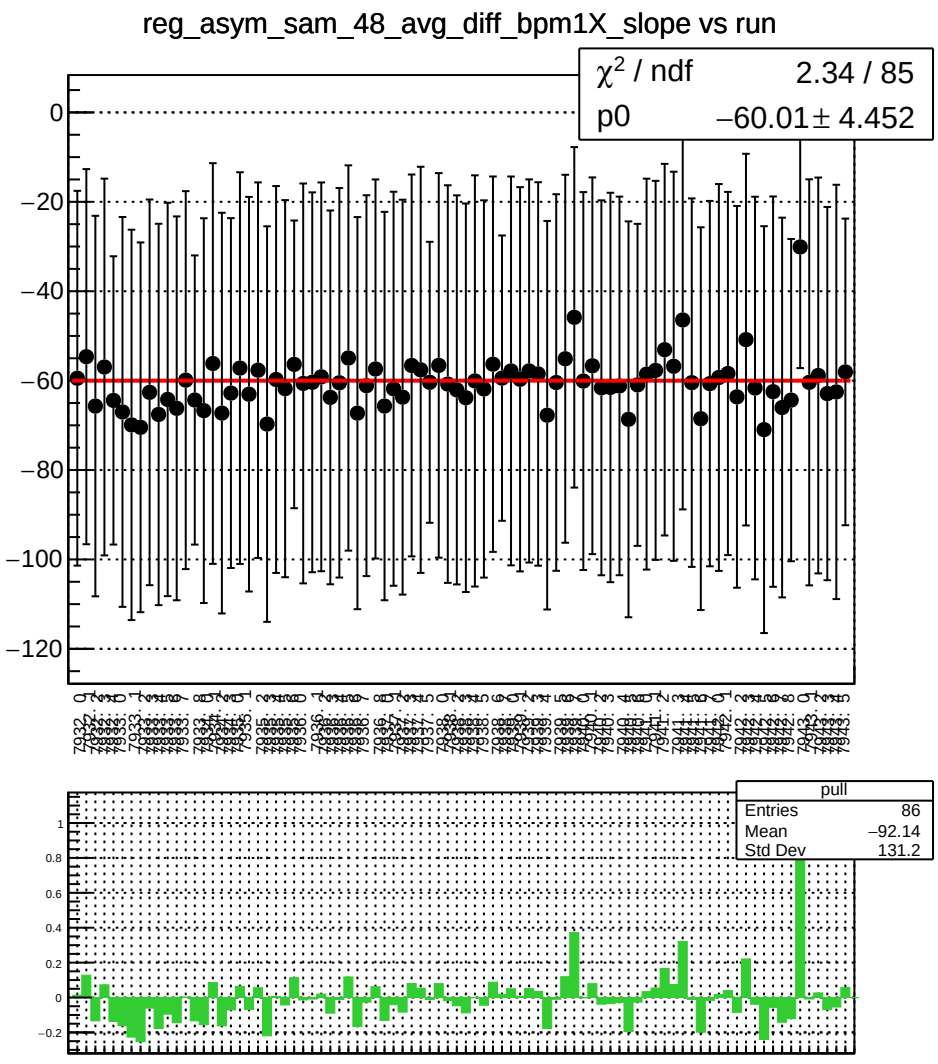

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.5394 / 85
p0 −155.7 ± 6.516
pull
Entries 86
Mean −22.25
Std Dev 163.8

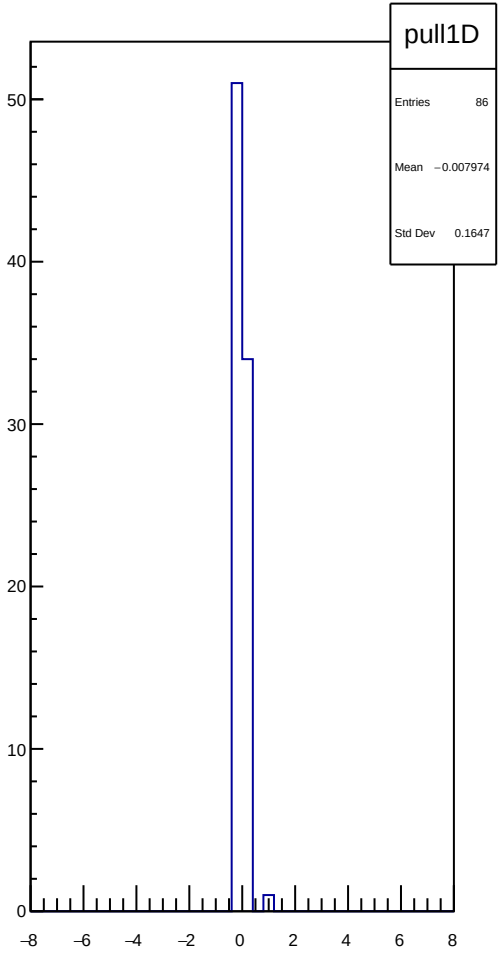

pull1D
Entries 86
Mean −0.0005112
Std Dev 0.0792

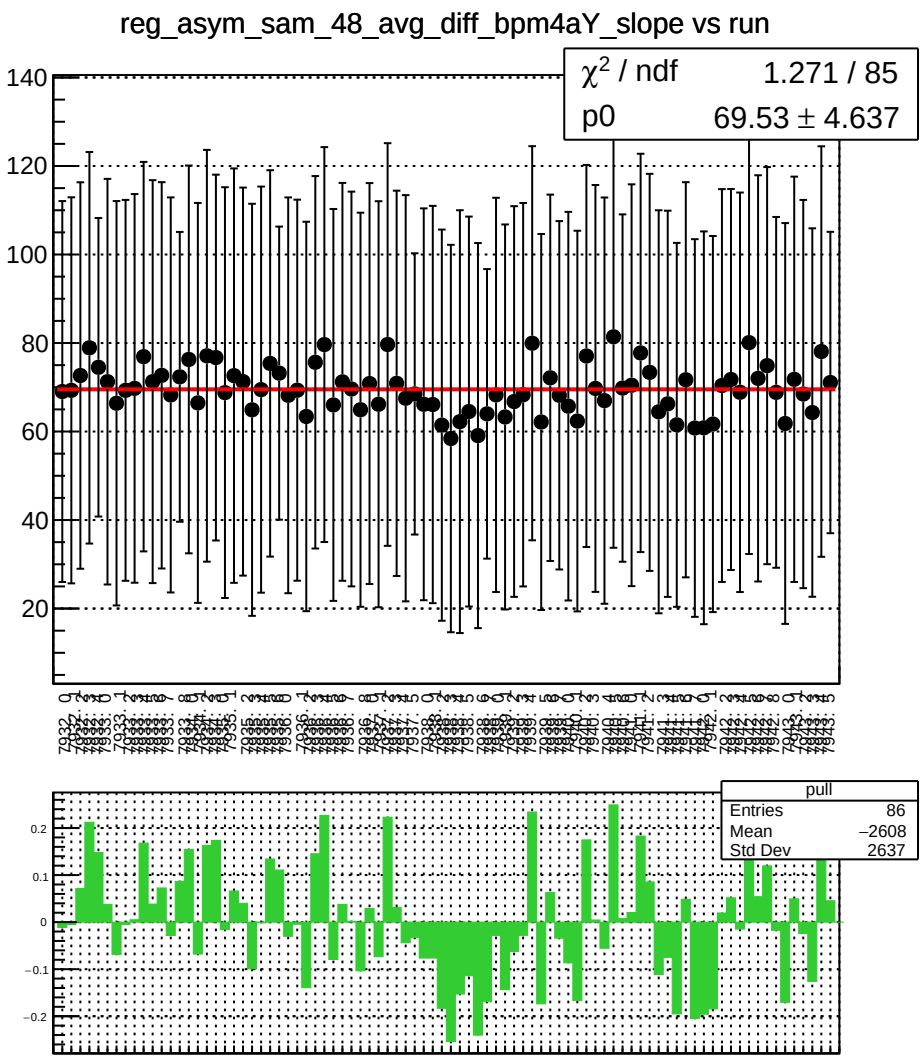

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.187 / 85
p0 −88.65 ± 5.634
pull
Entries 86
Mean −54.43
Std Dev 100.3
pull1D
Entries 86
Mean 0.0053
Std Dev 0.1174

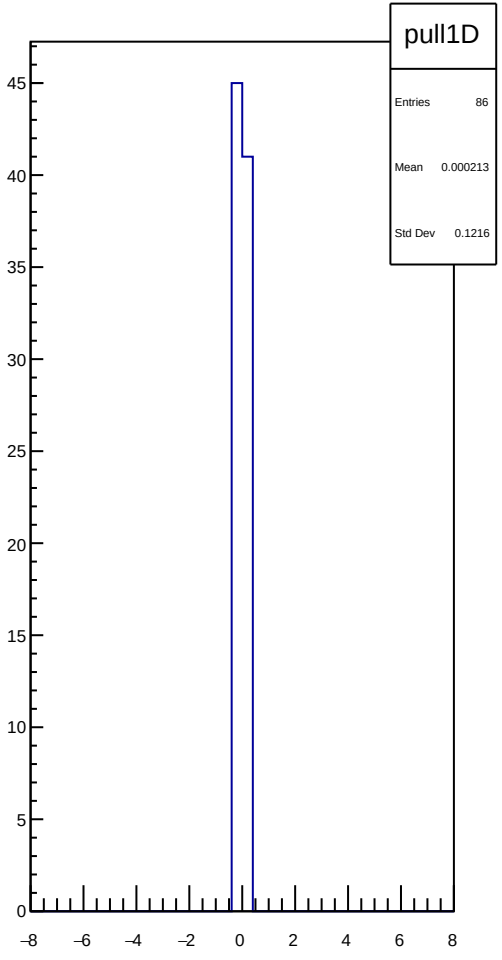

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.525 / 85
p0 20.34 ± 7.512
pull
Entries 86
Mean 337.5
Std Dev 341.2
pull1D
Entries 86
Mean 0.0003827
Std Dev 0.07813

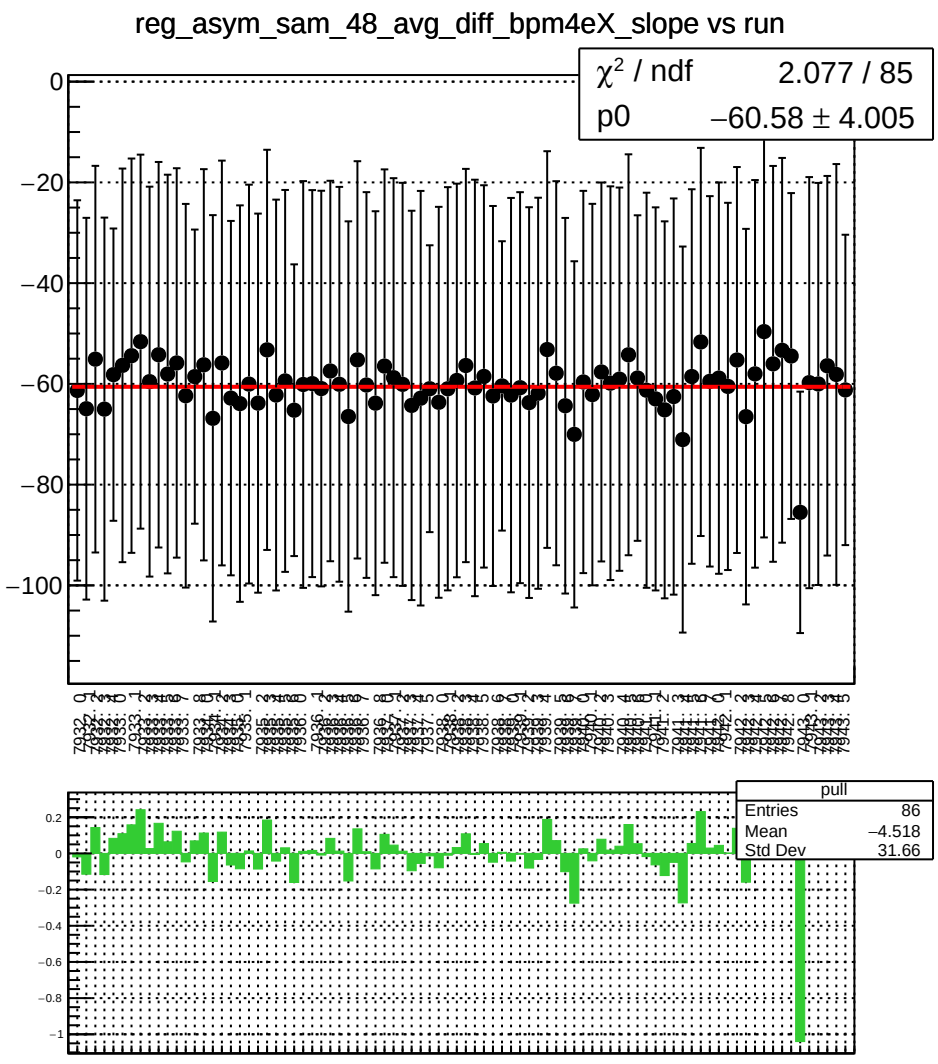

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.4157 / 85
p0 1.822 ± 0.2108
pull
Entries 86
Mean 3475
Std Dev 3453
pull1D
Entries 86
Mean 0.0001086
Std Dev 0.06953

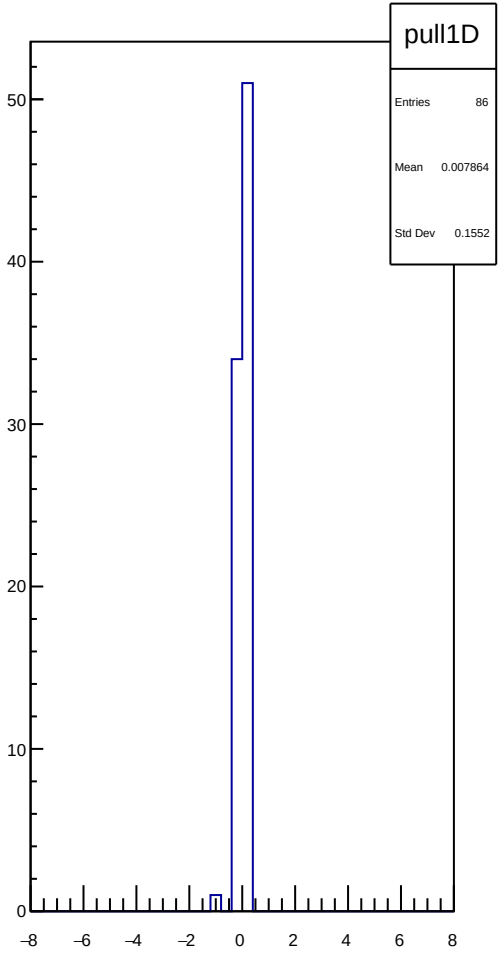

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 2.34 / 85
p0 −60.01 ± 4.452
pull
Entries 86
Mean −92.14
Std Dev 131.2

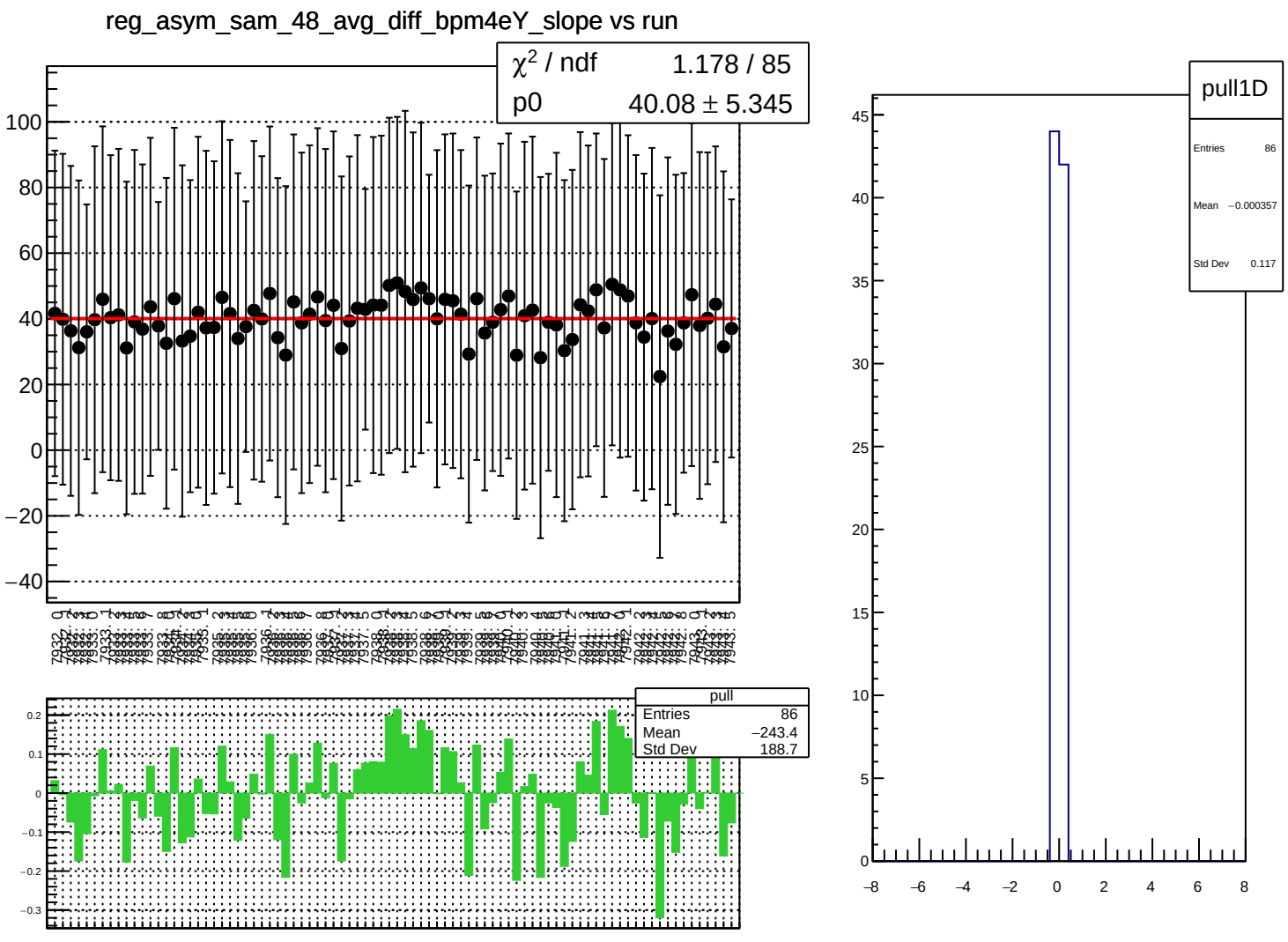

pull1D
Entries 86
Mean −0.007974
Std Dev 0.1647

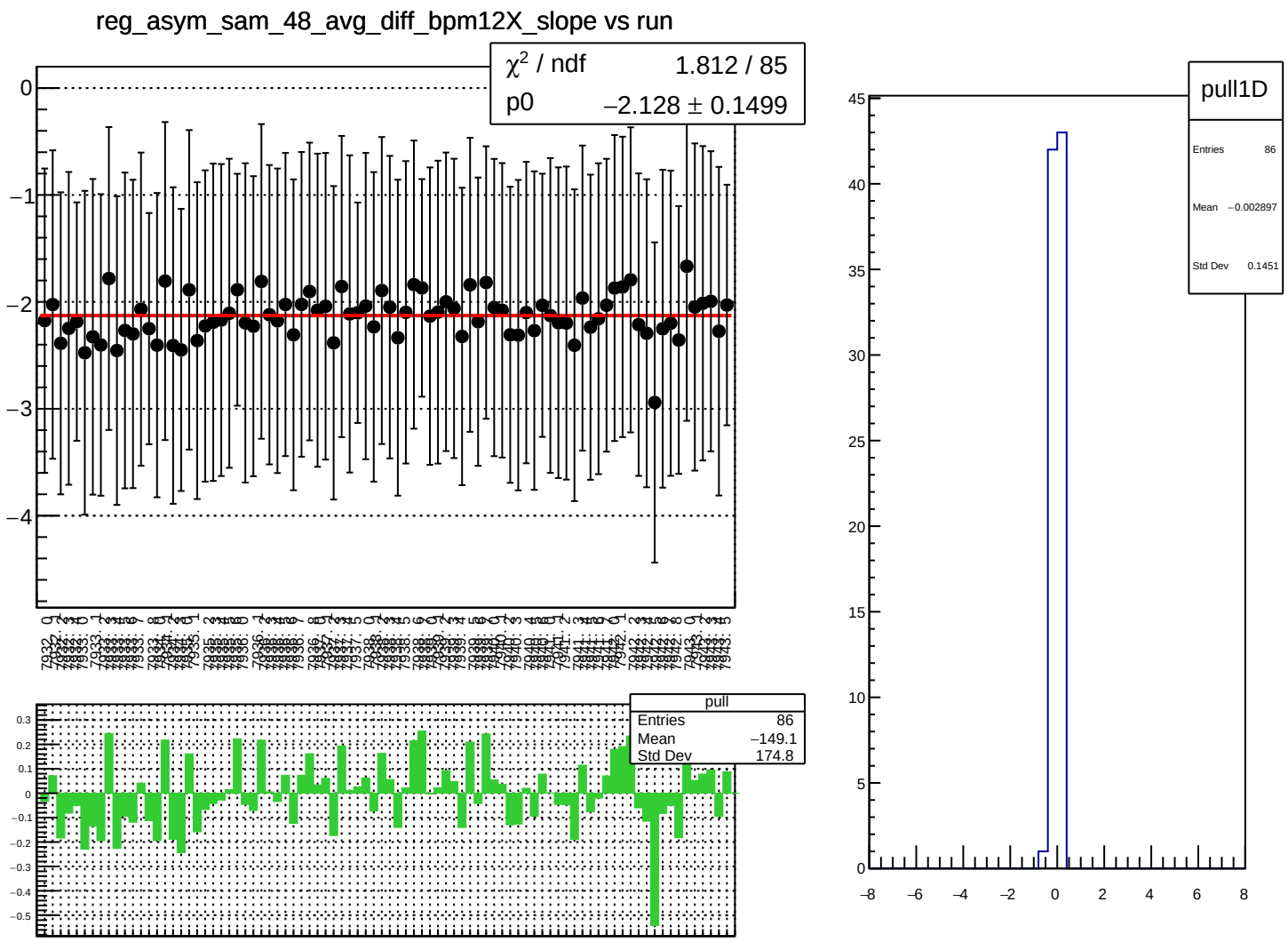

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.271 / 85
p0 69.53 ± 4.637
pull
Entries 86
Mean −2608
Std Dev 2637

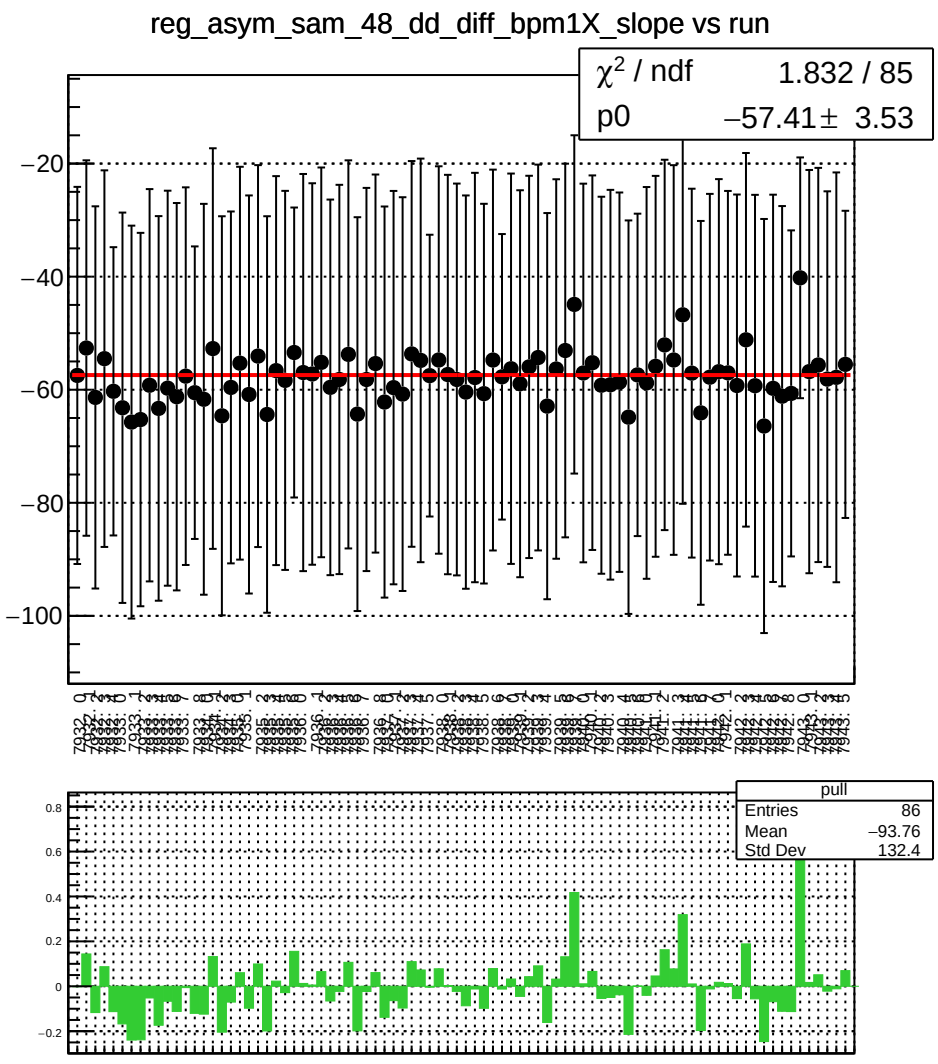

pull1D
Entries 86
Mean 0.000213
Std Dev 0.1216

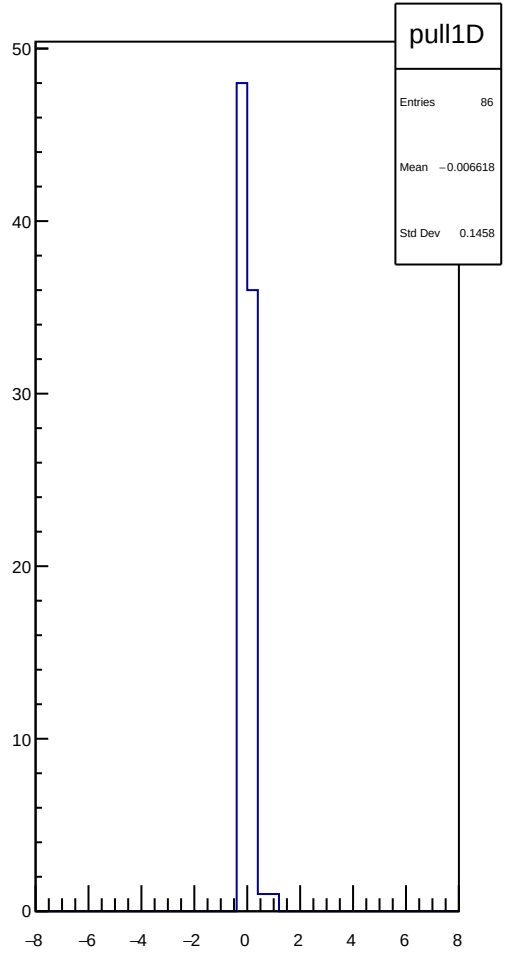

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.077 / 85
p0 −60.58 ± 4.005
pull
Entries 86
Mean −4.518
Std Dev 31.66

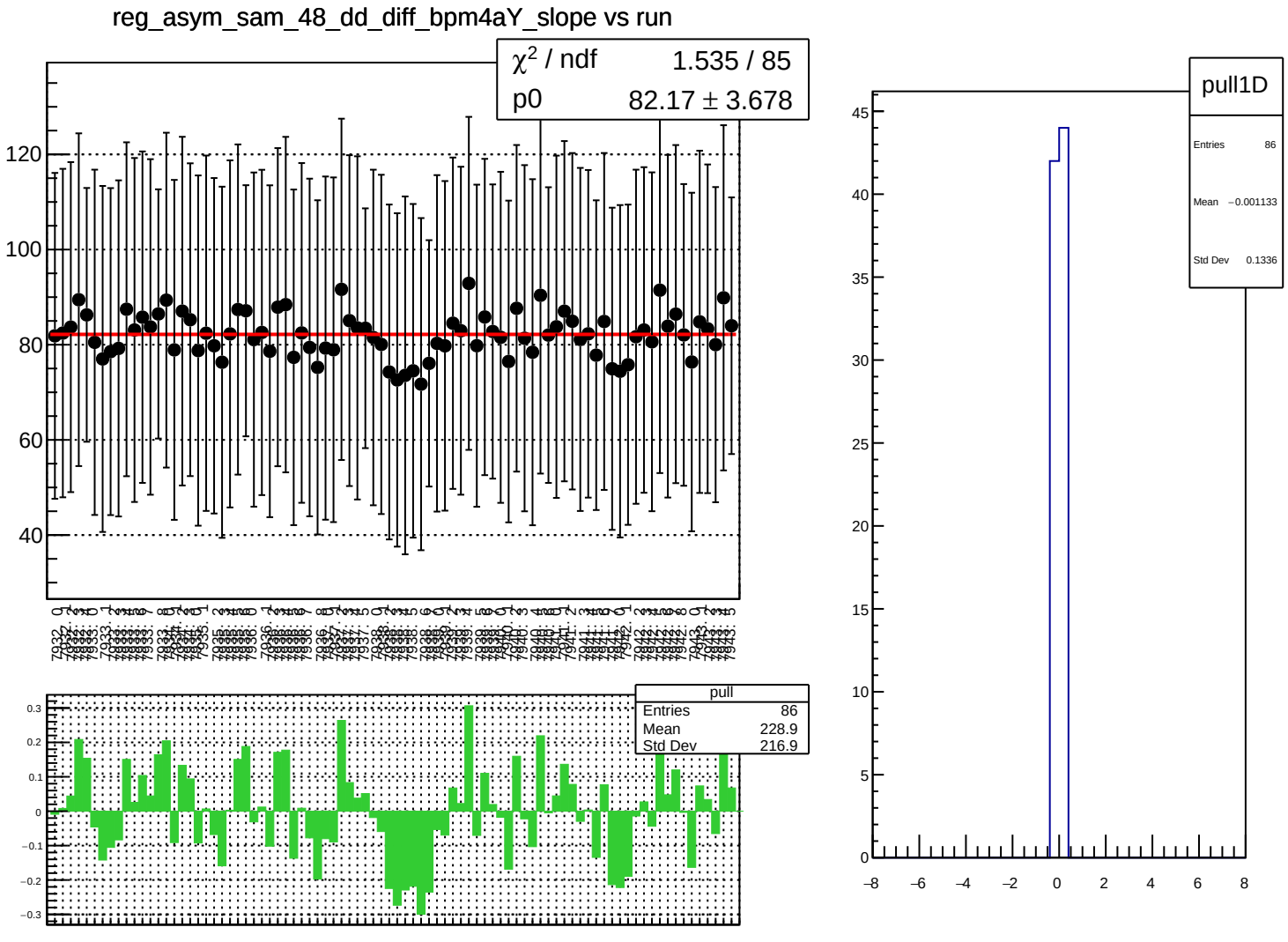

pull1D
Entries 86
Mean 0.007864
Std Dev 0.1552

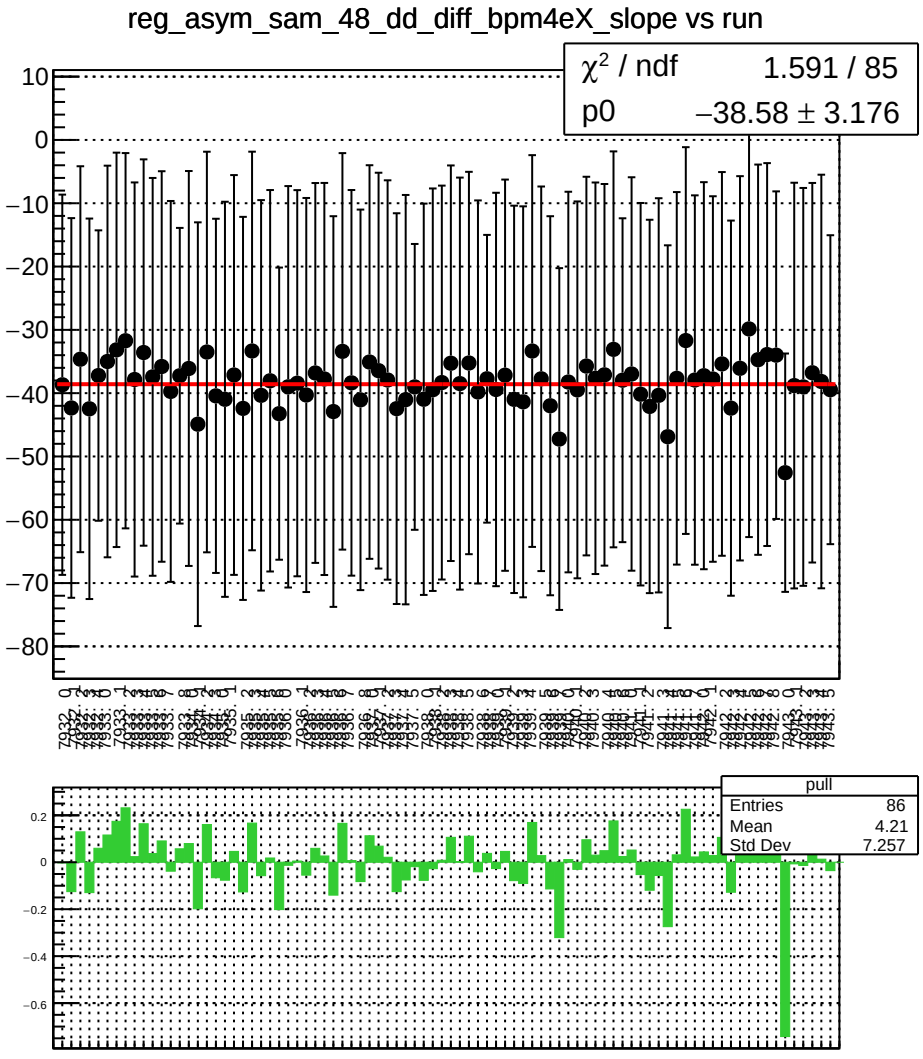

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.178 / 85
p0 40.08 ± 5.345
pull
Entries 86
Mean −243.4
Std Dev 188.7
pull1D
Entries 86
Mean −0.000357
Std Dev 0.117

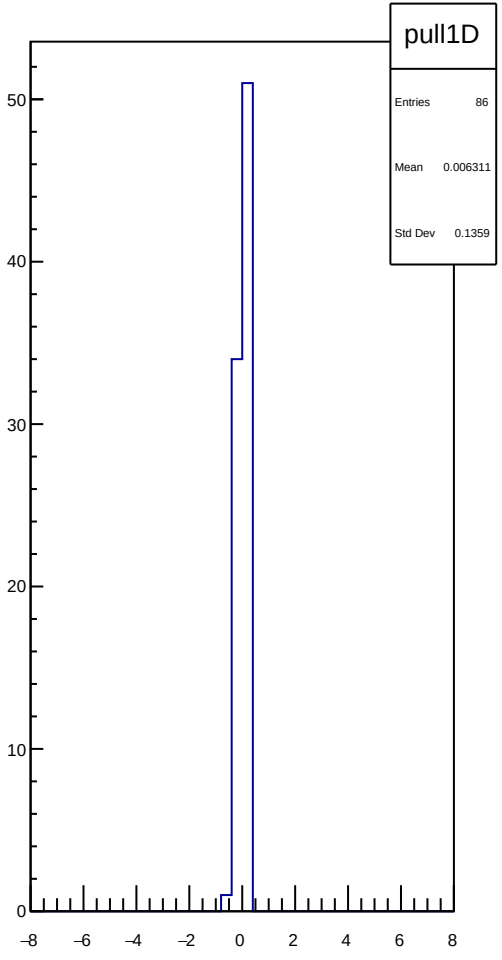

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 1.812 / 85
p0 −2.128 ± 0.1499
pull
Entries 86
Mean −149.1
Std Dev 174.8
pull1D
Entries 86
Mean −0.002897
Std Dev 0.1451

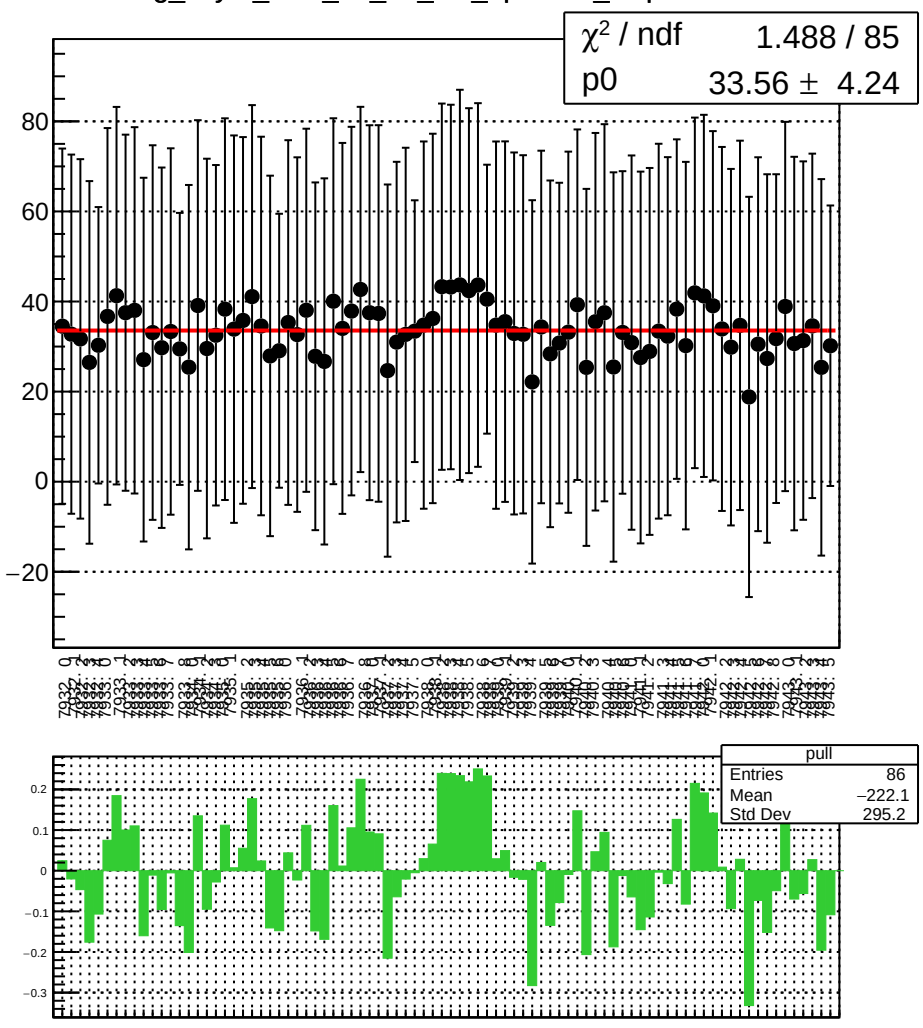

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.832 / 85
p0 −57.41 ± 3.53
−20
−40
−60
−80
−100
pull
Entries 86
Mean −93.76
Std Dev 132.4
0.8
0.6
0.4
0.2
0
−0.2

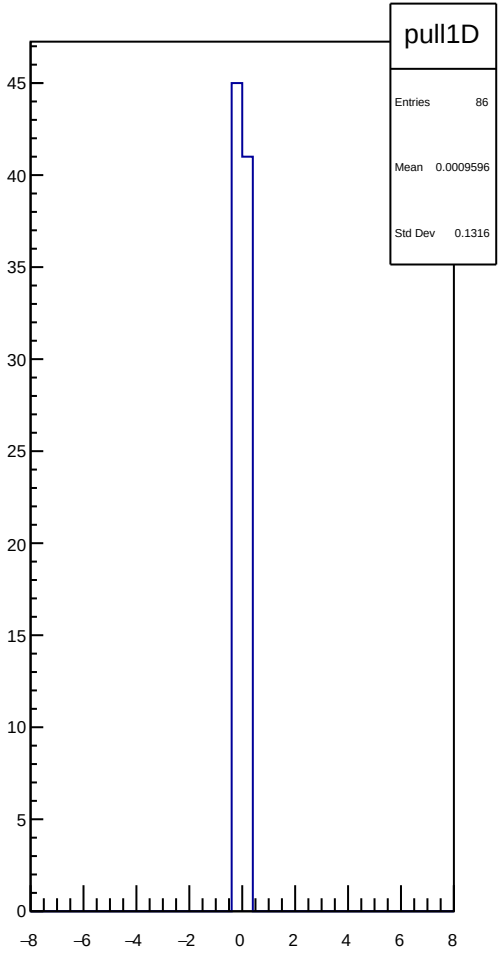

pull1D
Entries 86
Mean −0.006618
Std Dev 0.1458
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

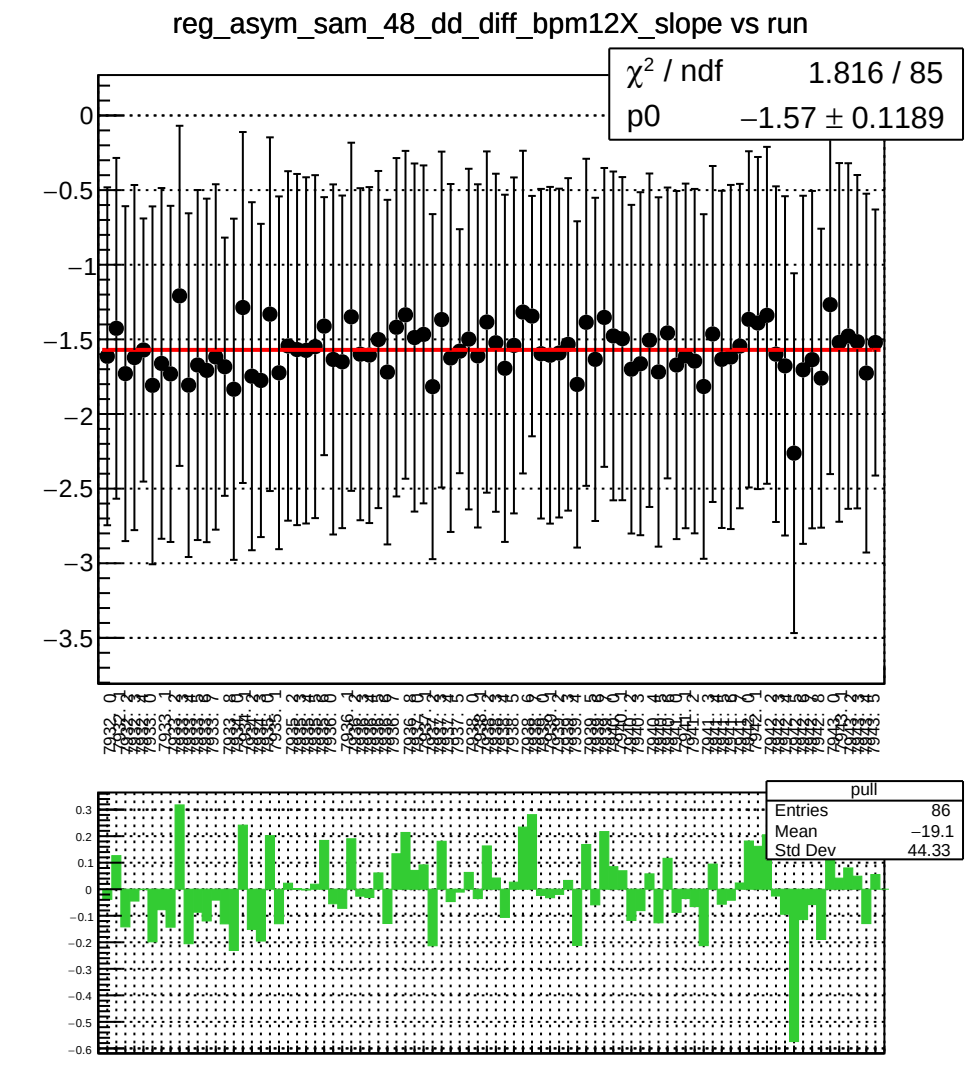

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.535 / 85
p0 82.17 ± 3.678
pull
Entries 86
Mean 228.9
Std Dev 216.9
pull1D
Entries 86
Mean −0.001133
Std Dev 0.1336

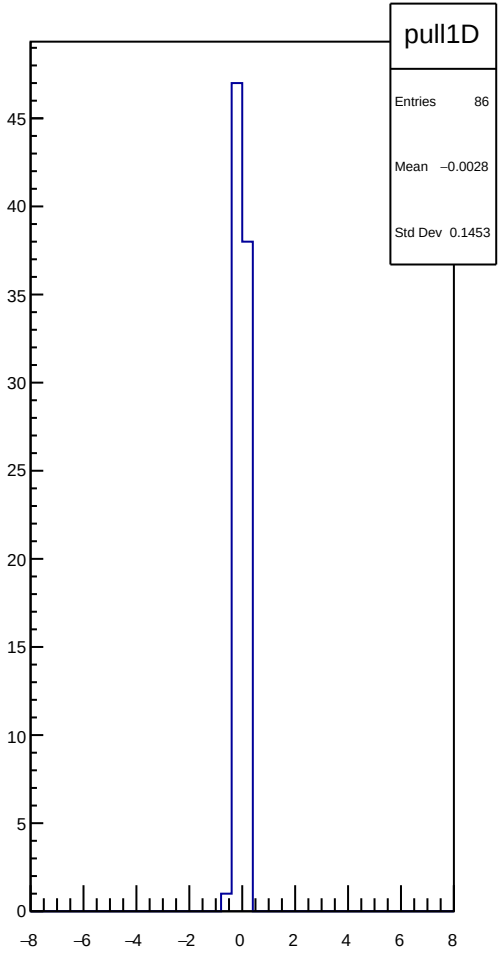

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.591 / 85
p0 −38.58 ± 3.176
pull
Entries 86
Mean 4.21
Std Dev 7.257

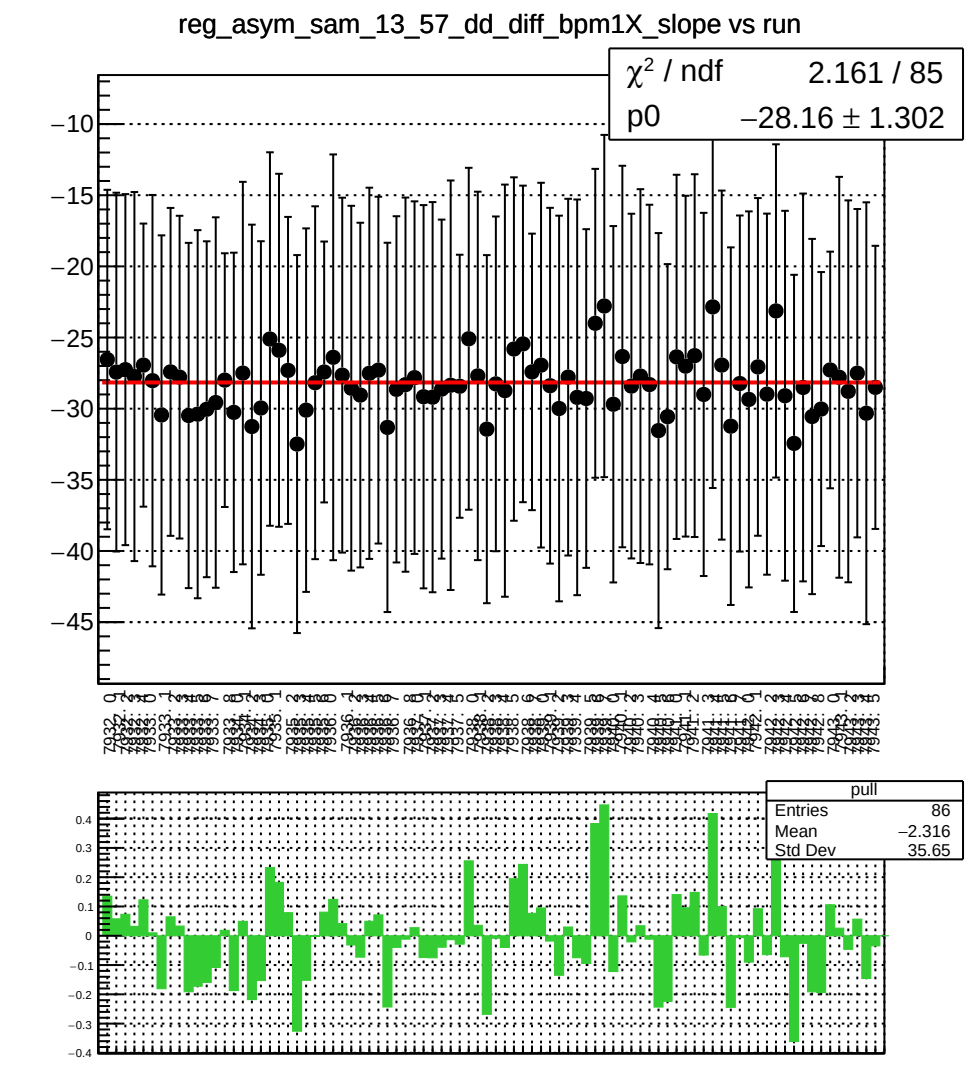

pull1D
Entries 86
Mean 0.006311
Std Dev 0.1359

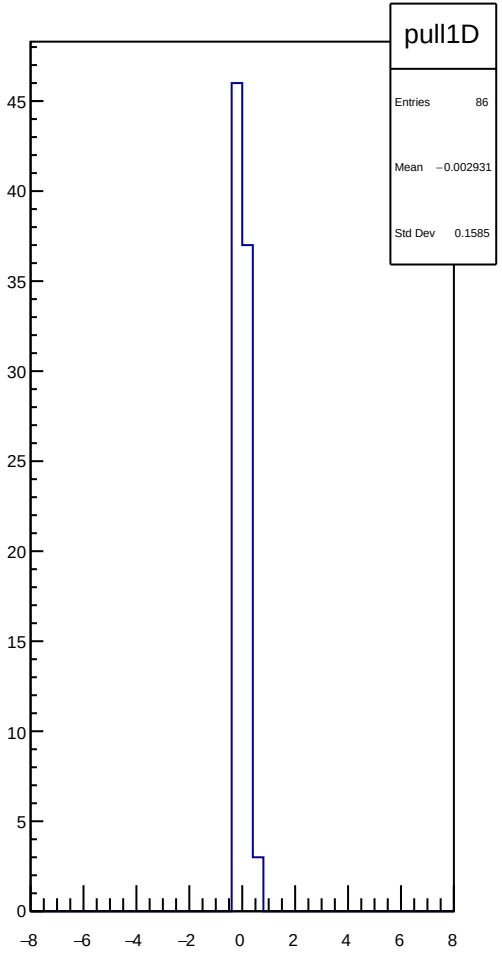

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.488 / 85
p0 33.56 ± 4.24
pull
Entries 86
Mean −222.1
Std Dev 295.2

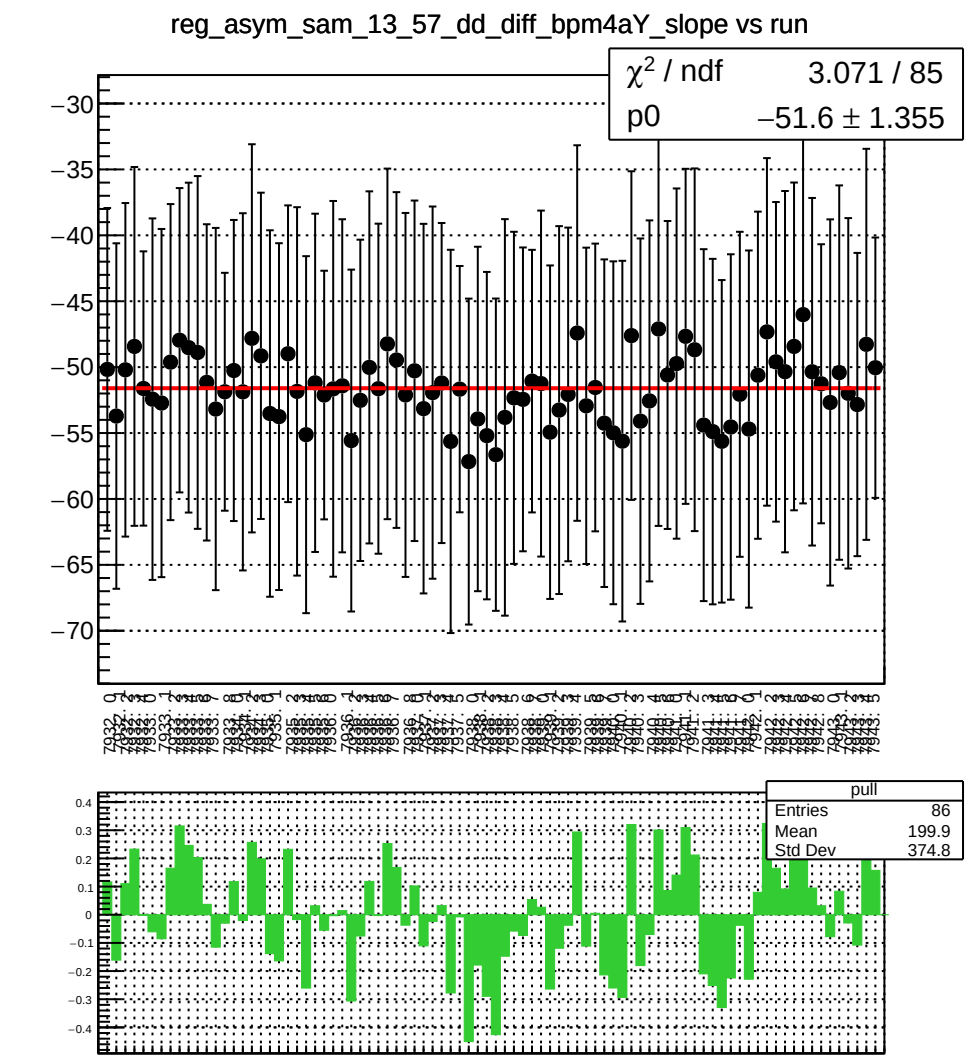

pull1D
Entries 86
Mean 0.0009596
Std Dev 0.1316

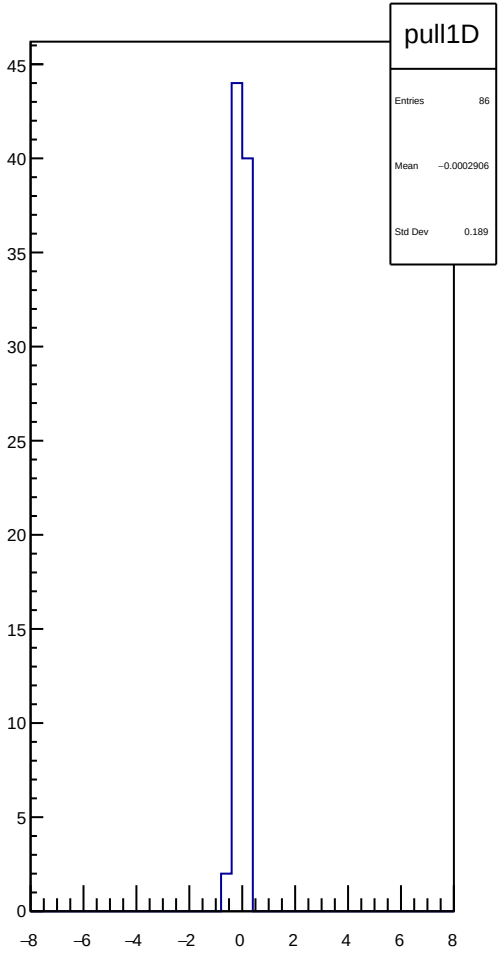

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.816 / 85
p0 −1.57 ± 0.1189
pull
Entries 86
Mean −19.1
Std Dev 44.33

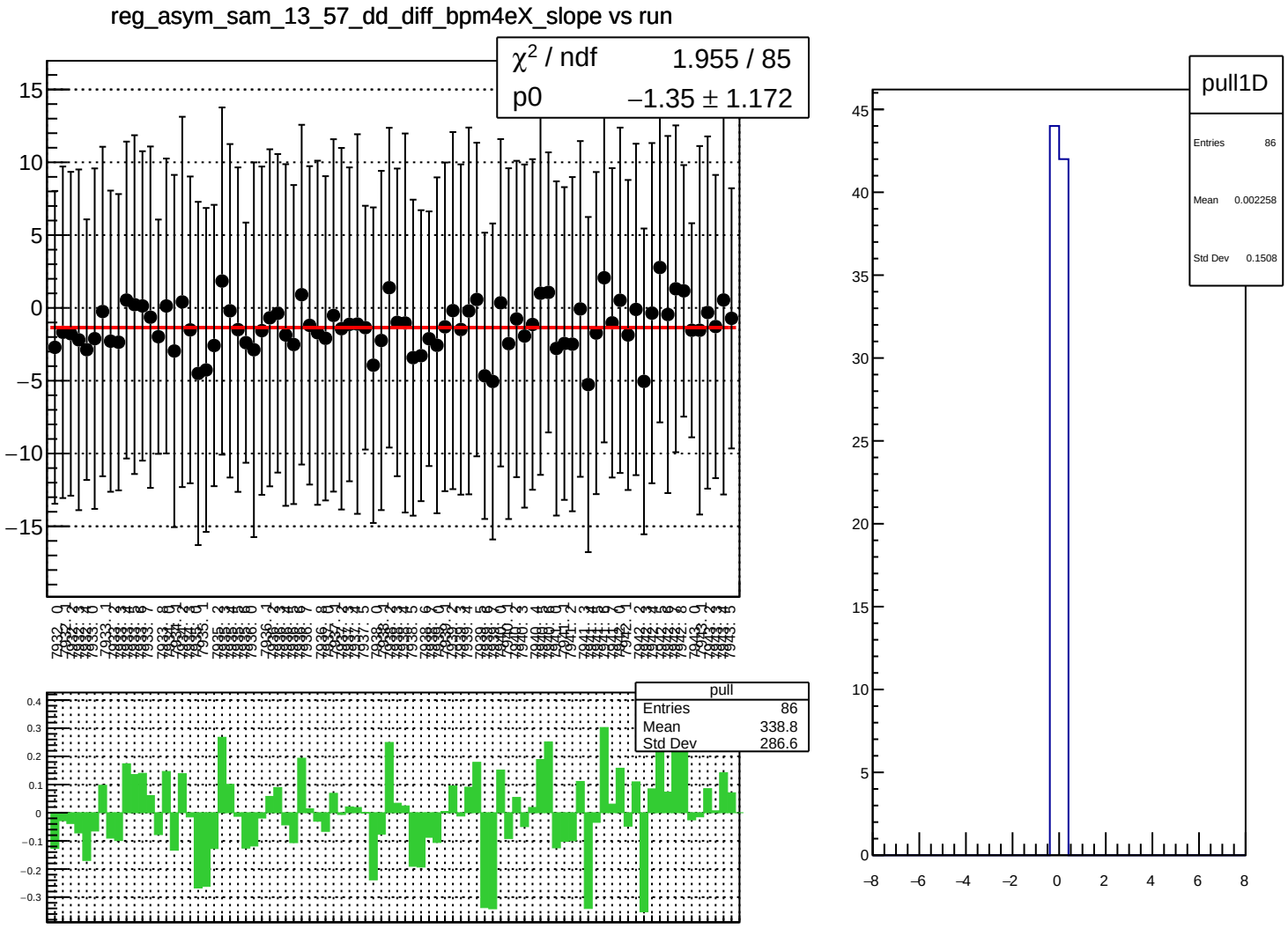

pull1D
Entries 86
Mean −0.0028
Std Dev 0.1453

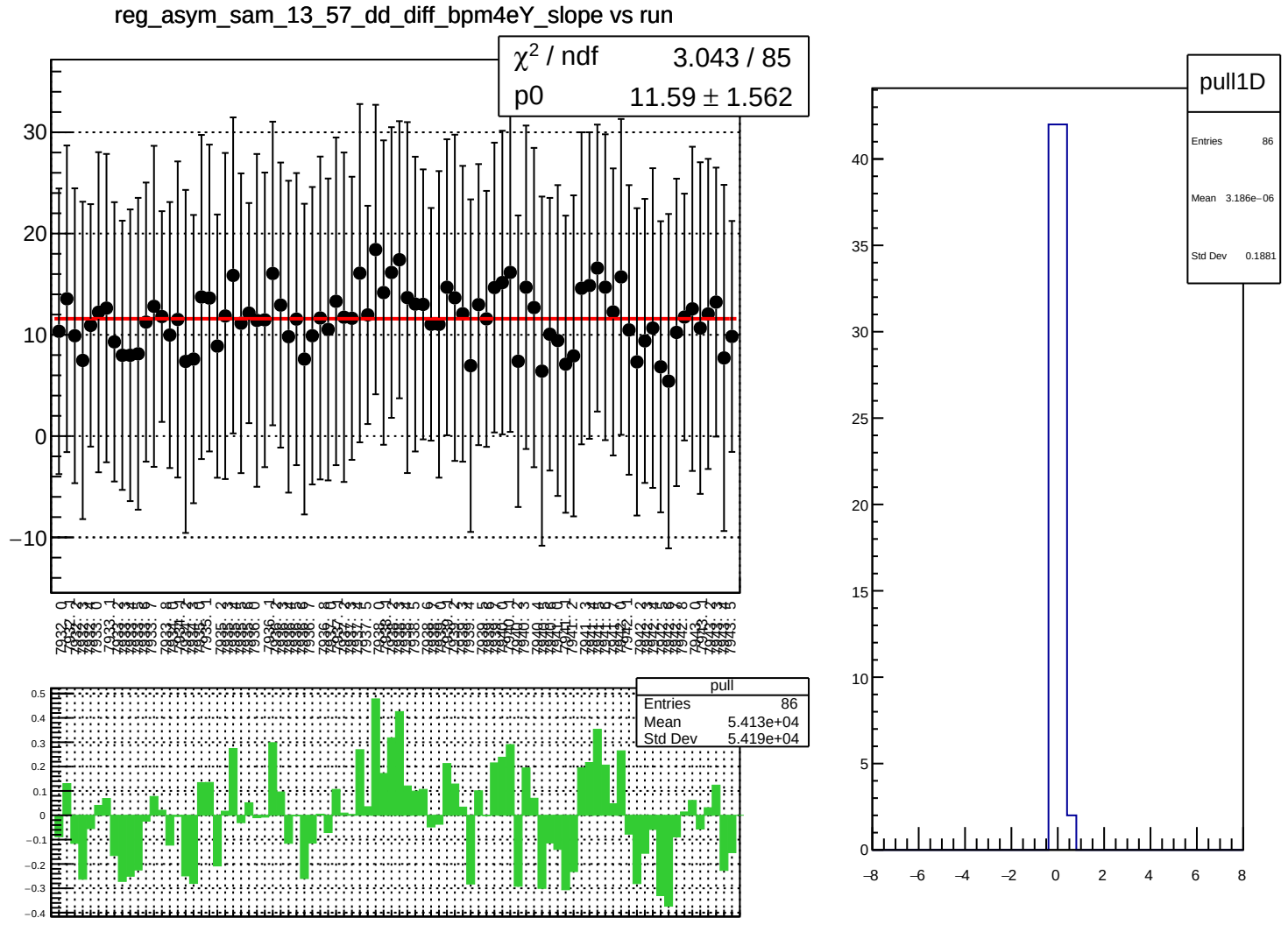

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 2.161 / 85
p0 −28.16 ± 1.302
pull
Entries 86
Mean −2.316
Std Dev 35.65

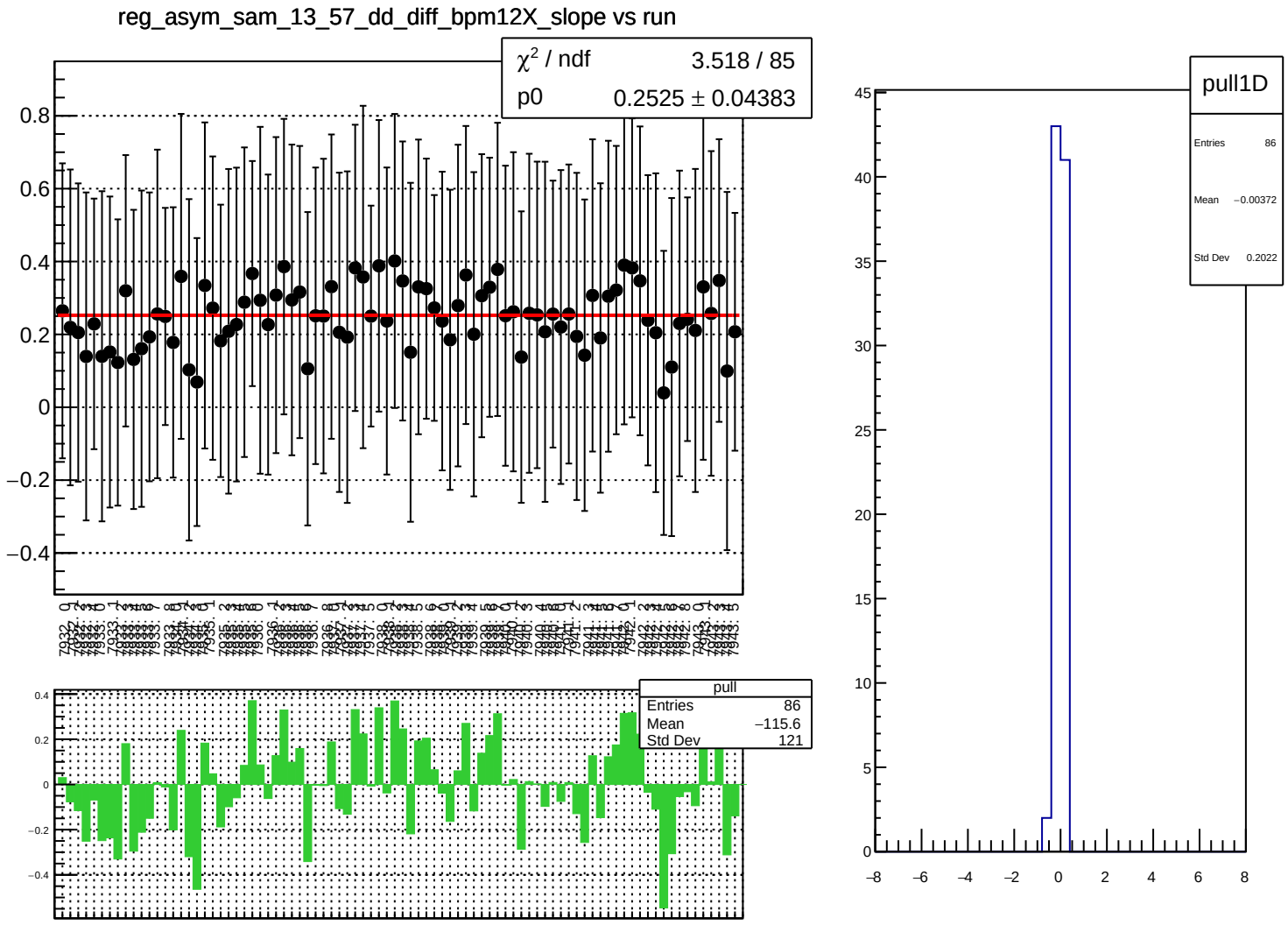

pull1D
Entries 86
Mean −0.002931
Std Dev 0.1585

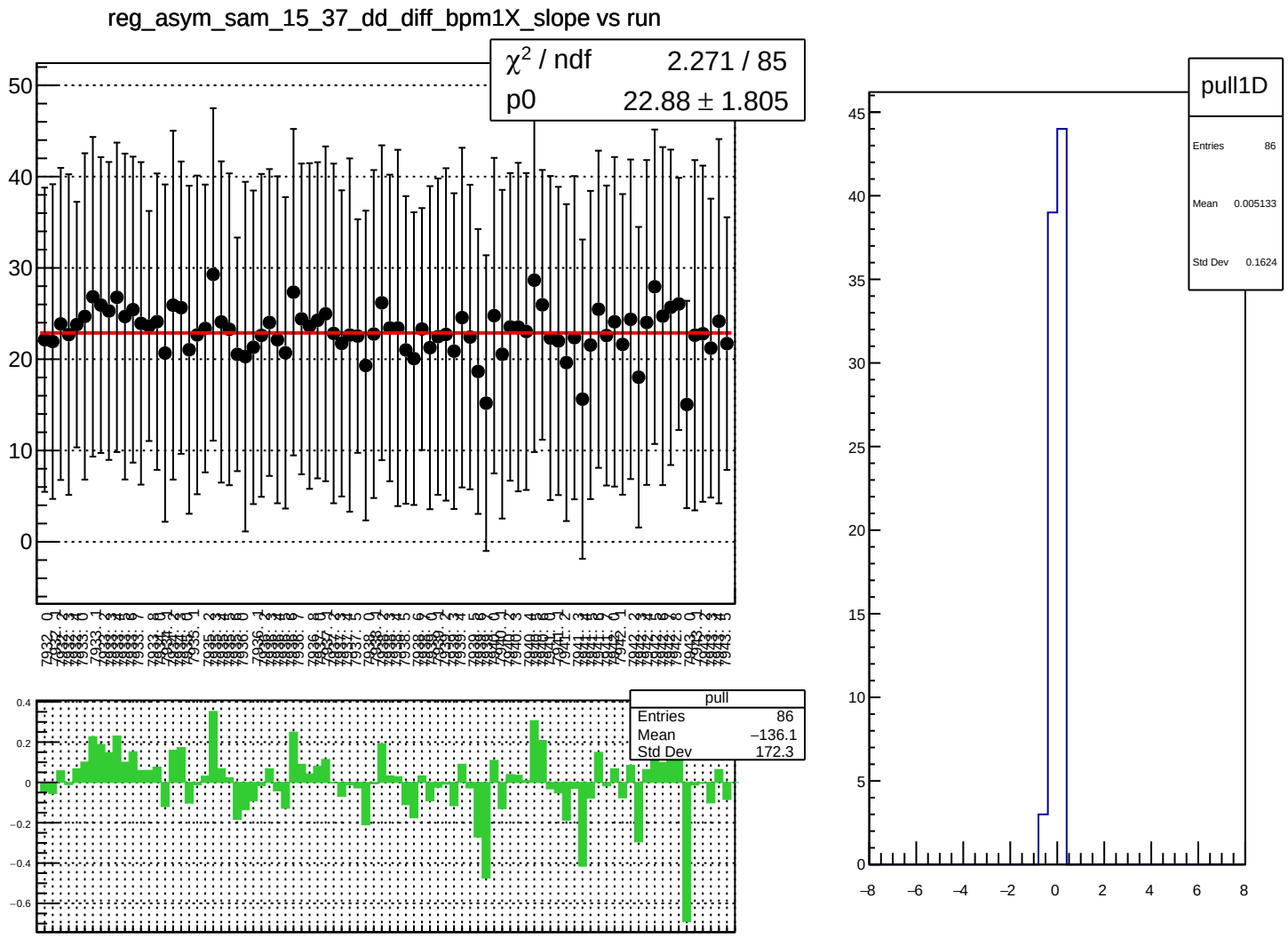

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.071 / 85
p0 −51.6 ± 1.355
pull
Entries 86
Mean 199.9
Std Dev 374.8

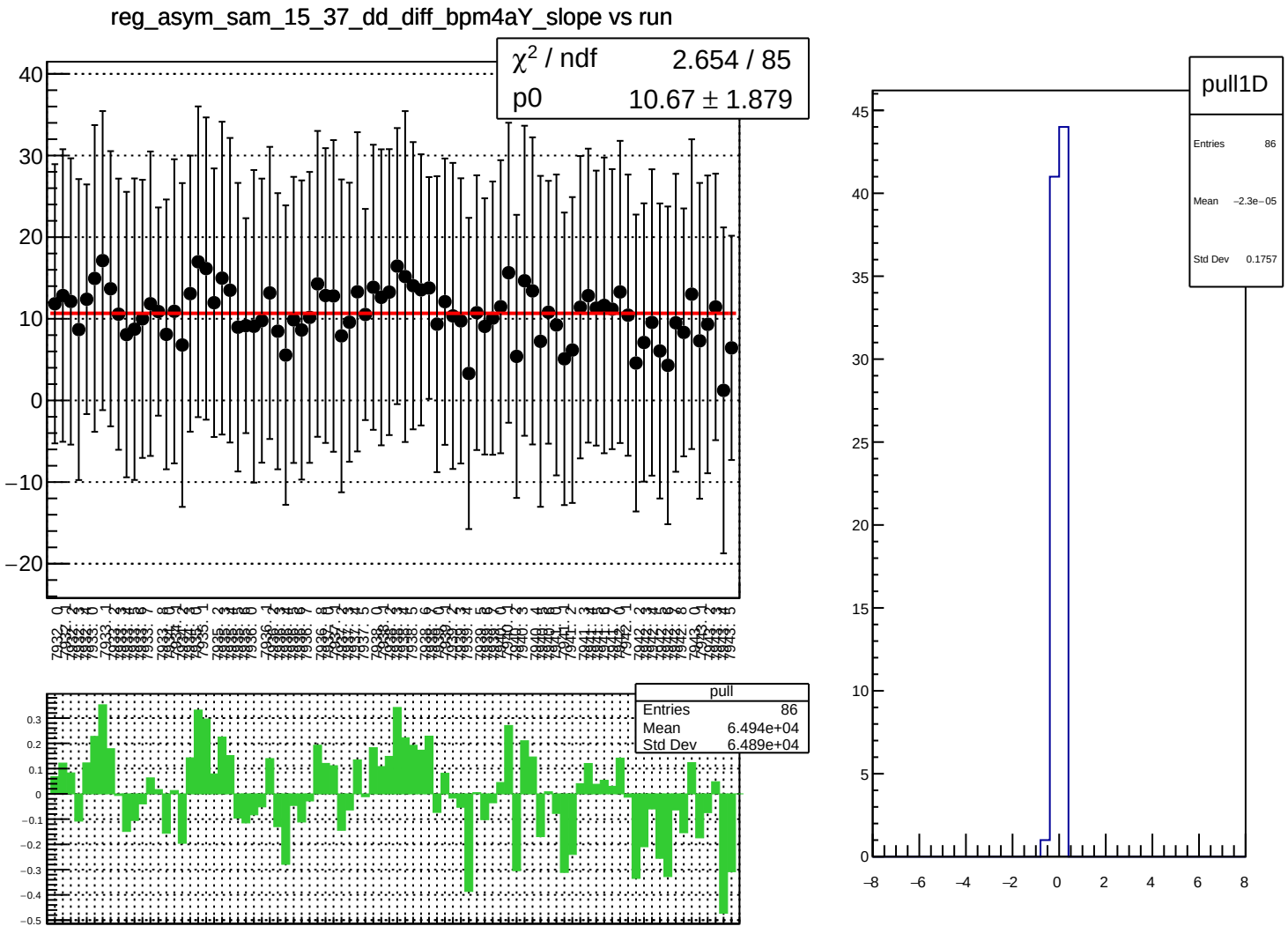

pull1D
Entries 86
Mean −0.0002906
Std Dev 0.189

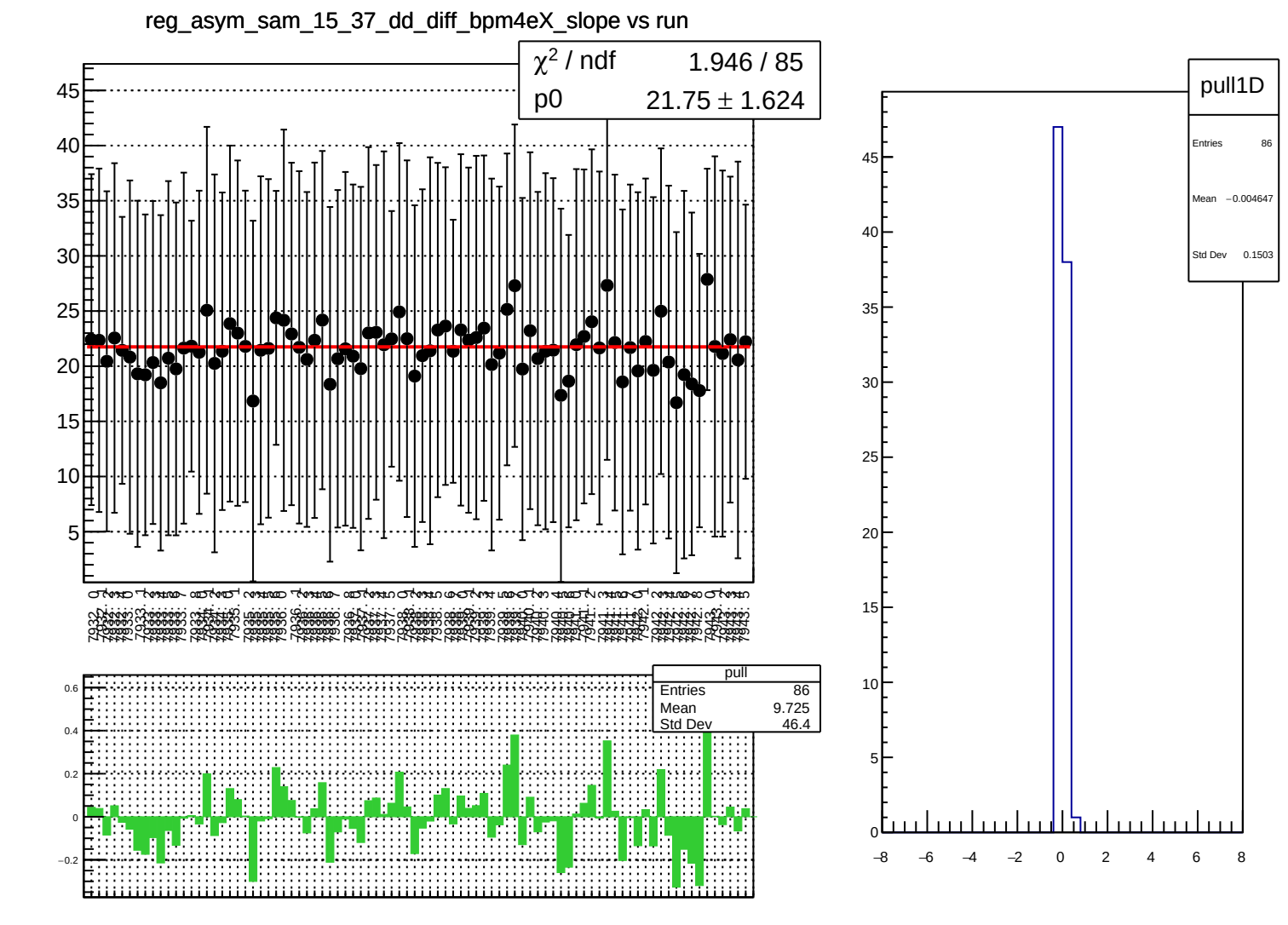

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.955 / 85
p0 −1.35 ± 1.172
pull
Entries 86
Mean 338.8
Std Dev 286.6
pull1D
Entries 86
Mean 0.002258
Std Dev 0.1508

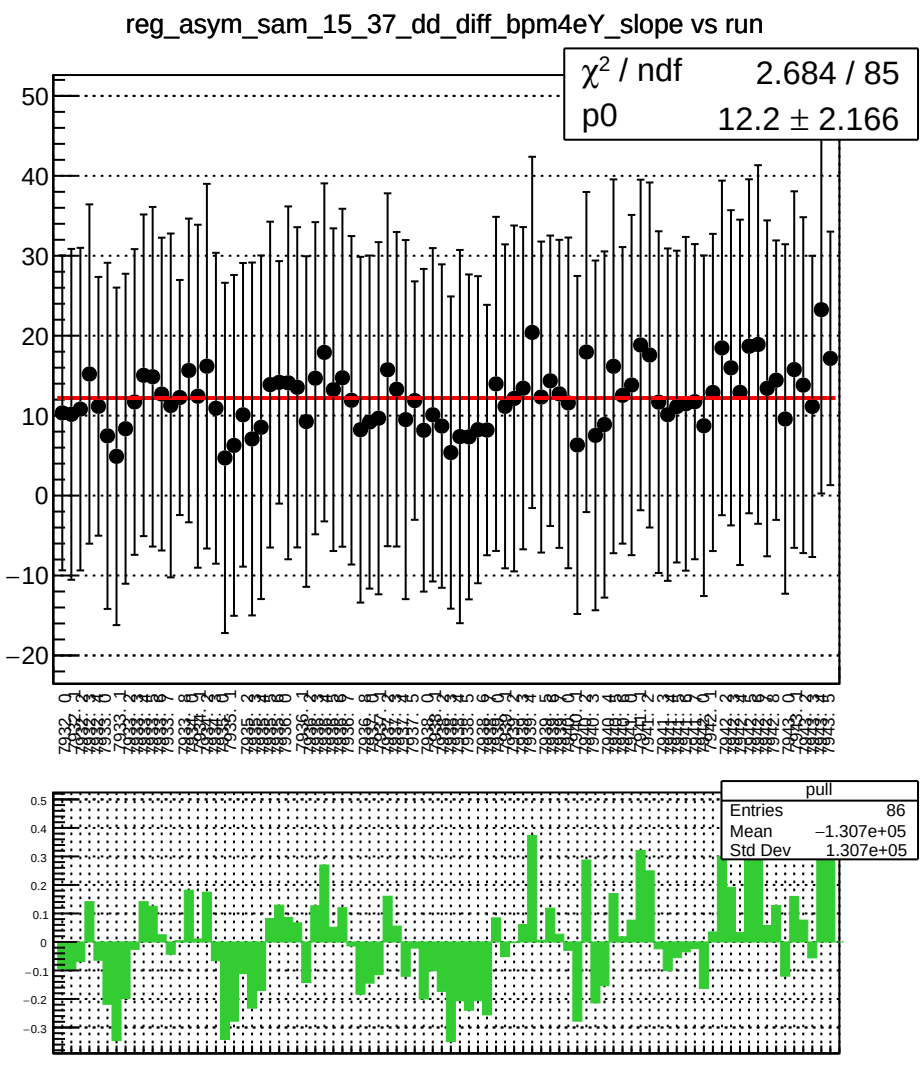

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.043 / 85
p0 11.59 ± 1.562
pull
Entries 86
Mean 5.413e+04
Std Dev 5.419e+04
pull1D
Entries 86
Mean 3.186e−06
Std Dev 0.1881

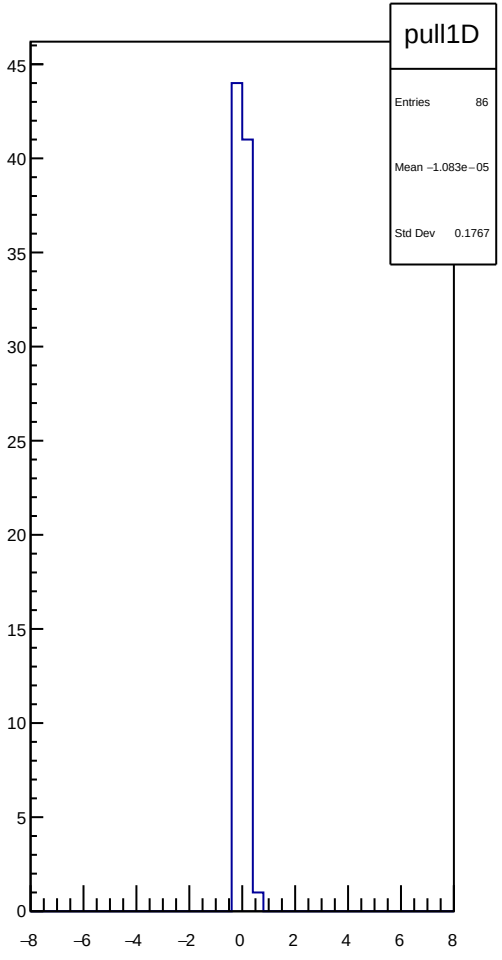

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 3.518 / 85
p0 0.2525 ± 0.04383
pull
Entries 86
Mean −115.6
Std Dev 121
pull1D
Entries 86
Mean −0.00372
Std Dev 0.2022

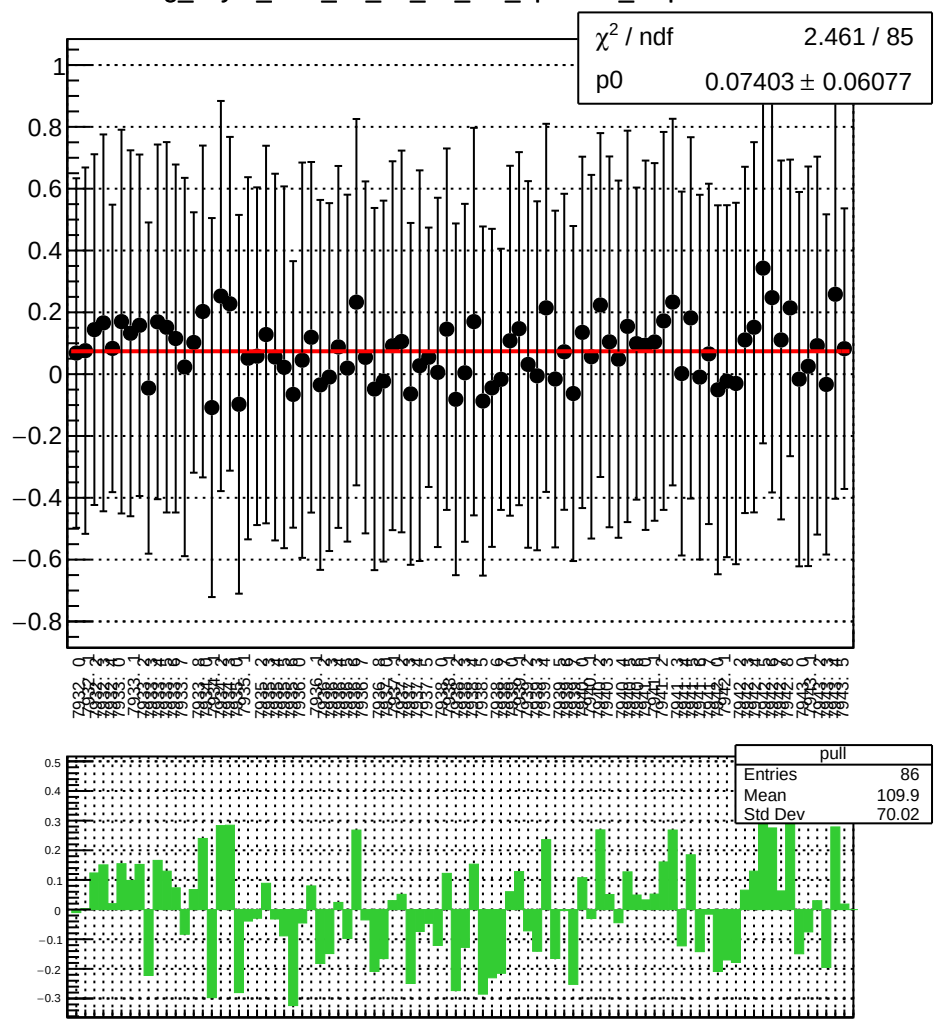

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 2.271 / 85
p0 22.88 ± 1.805
pull
Entries 86
Mean −136.1
Std Dev 172.3
pull1D
Entries 86
Mean 0.005133
Std Dev 0.1624

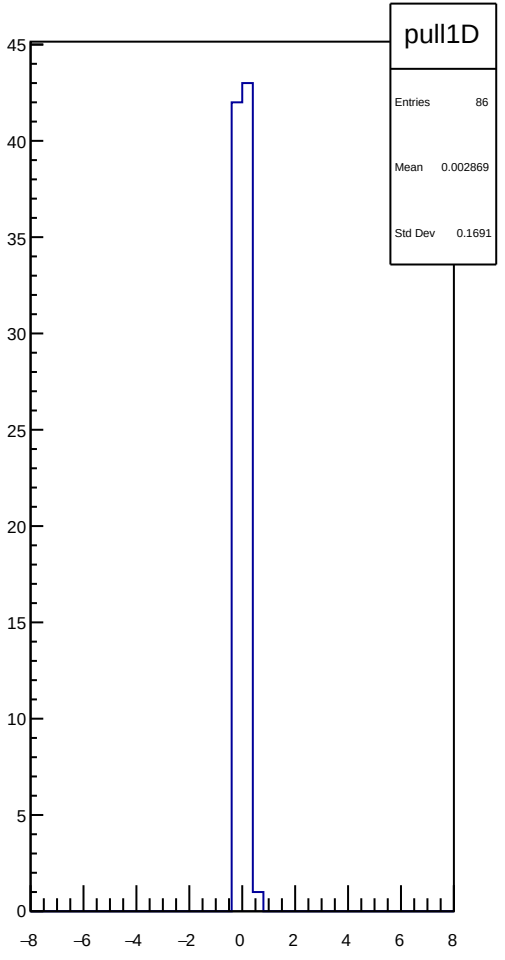

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.654 / 85
p0 10.67 ± 1.879
pull
Entries 86
Mean 6.494e+04
Std Dev 6.489e+04
pull1D
Entries 86
Mean −2.3e−05
Std Dev 0.1757

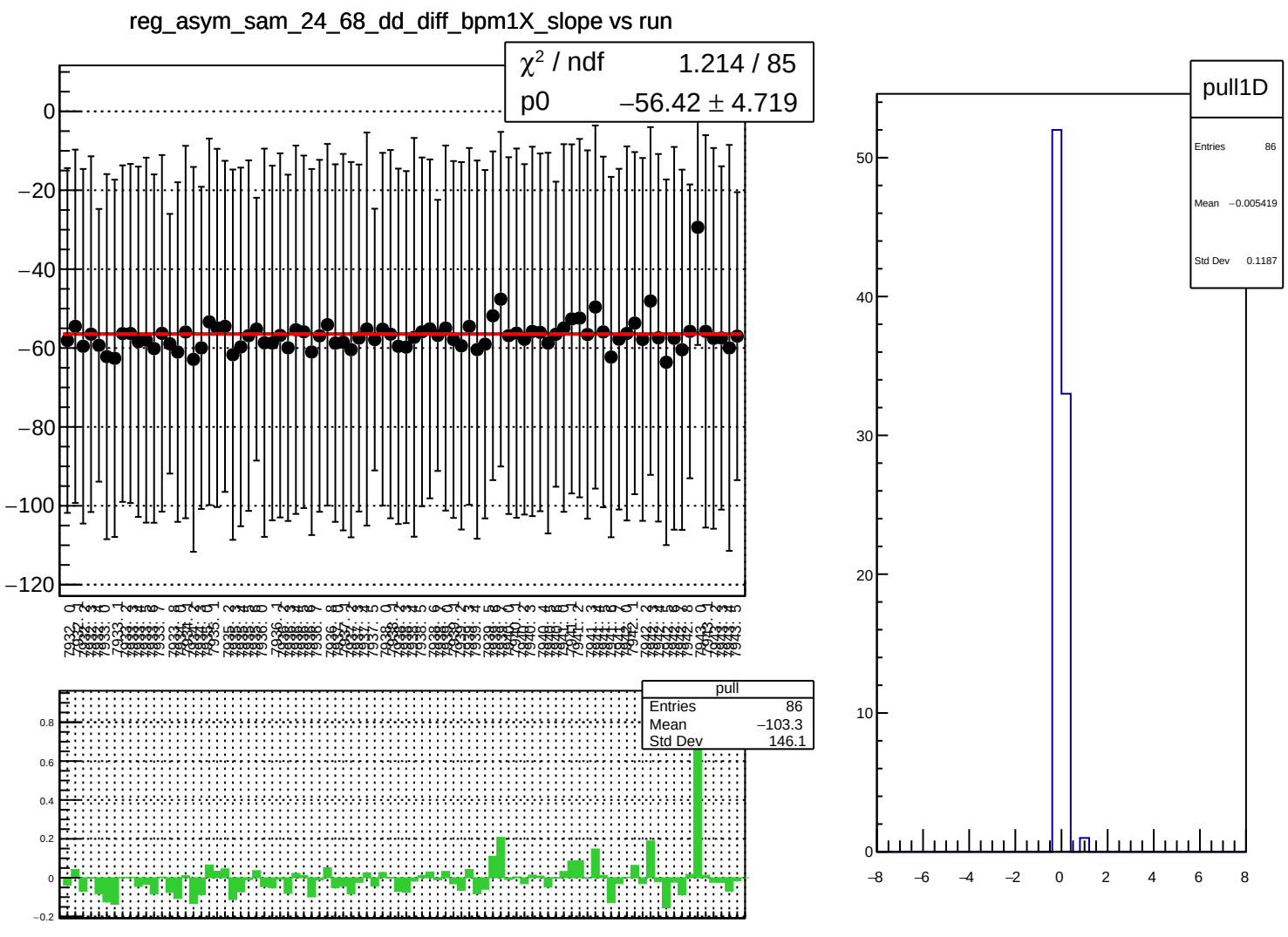

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.946 / 85
p0 21.75 ± 1.624
pull
Entries 86
Mean 9.725
Std Dev 46.4
pull1D
Entries 86
Mean −0.004647
Std Dev 0.1503

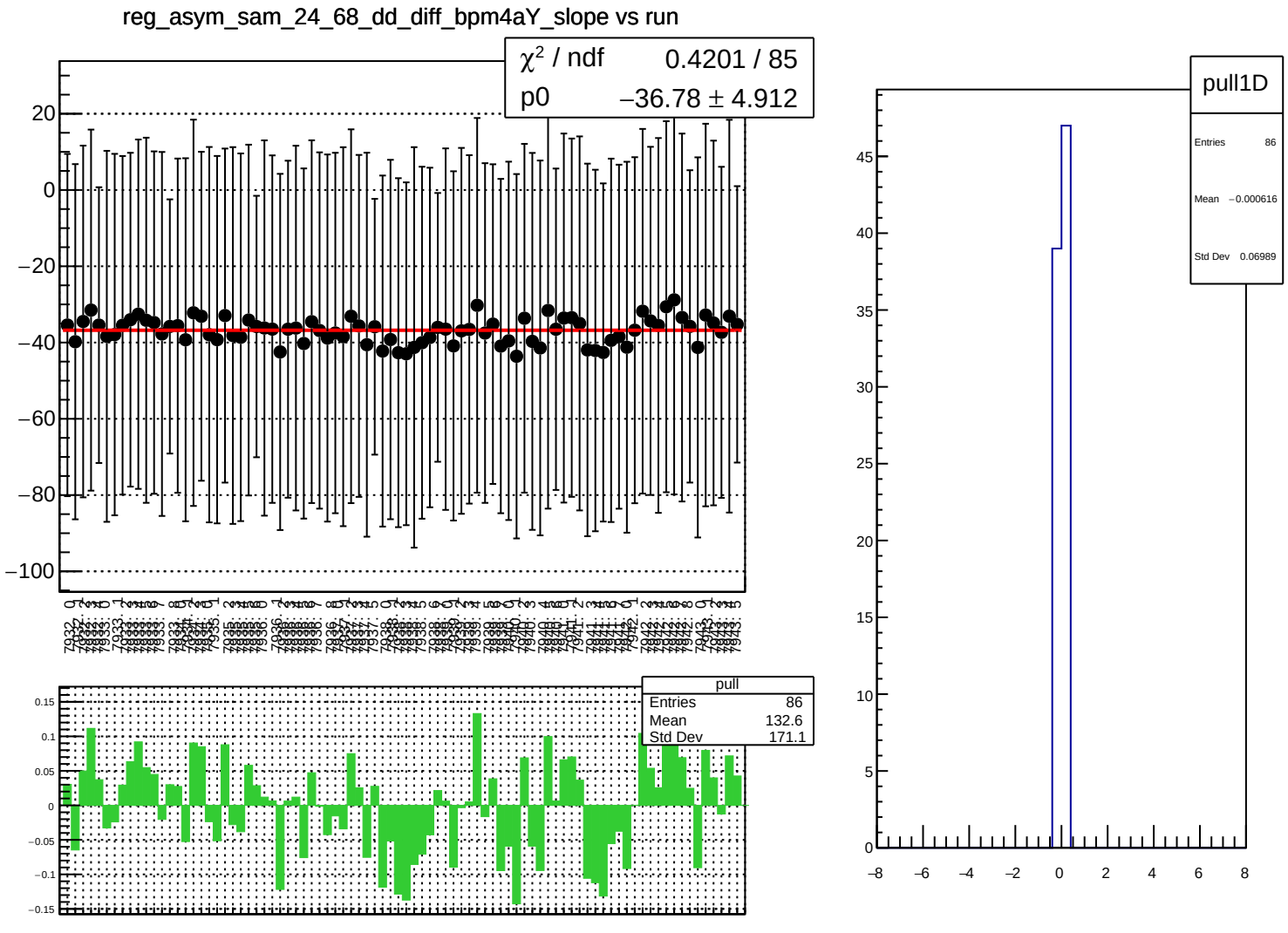

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.684 / 85
p0 12.2 ± 2.166
pull
Entries 86
Mean −1.307e+05
Std Dev 1.307e+05

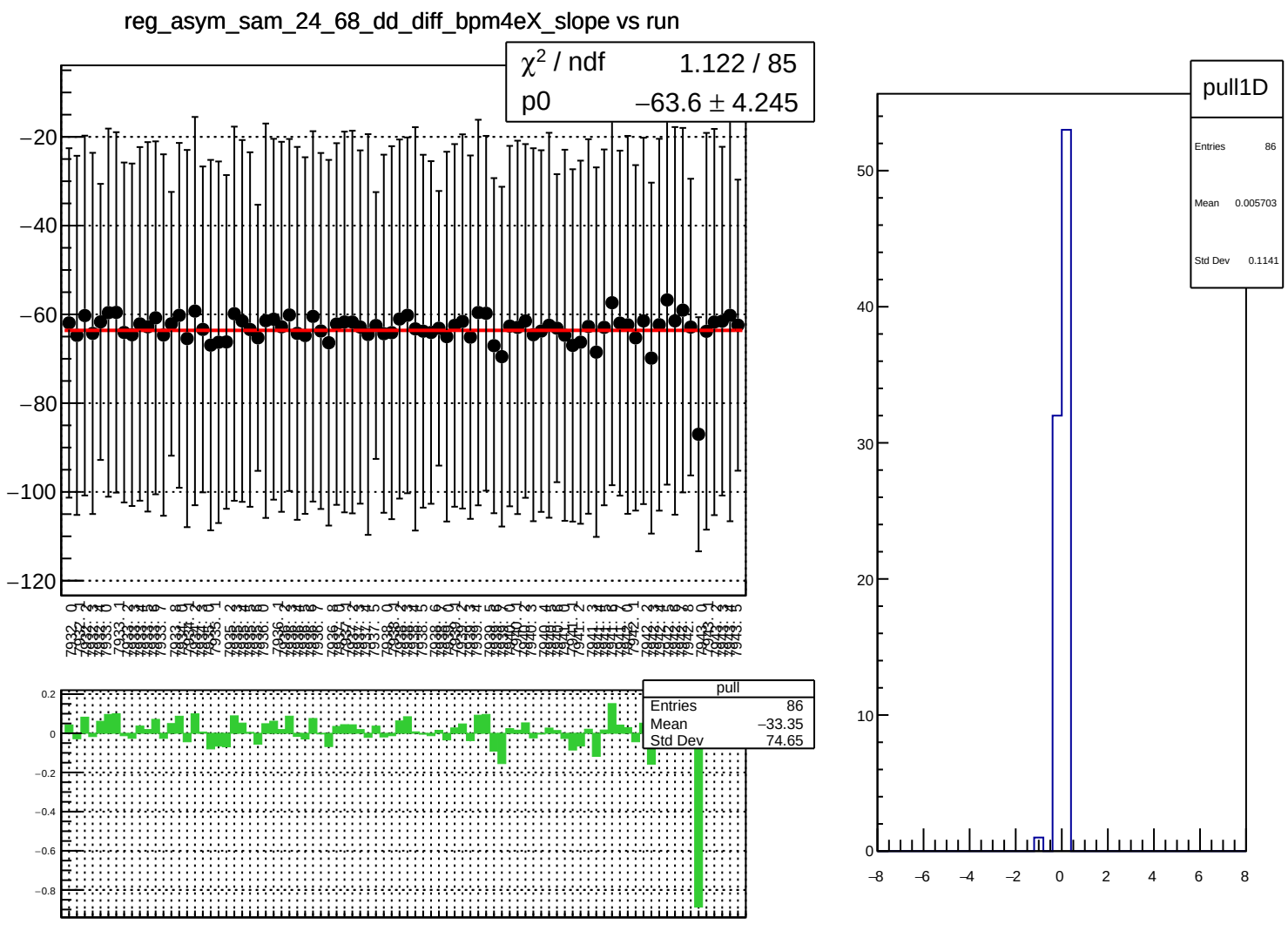

pull1D
Entries 86
Mean −1.083e−05
Std Dev 0.1767

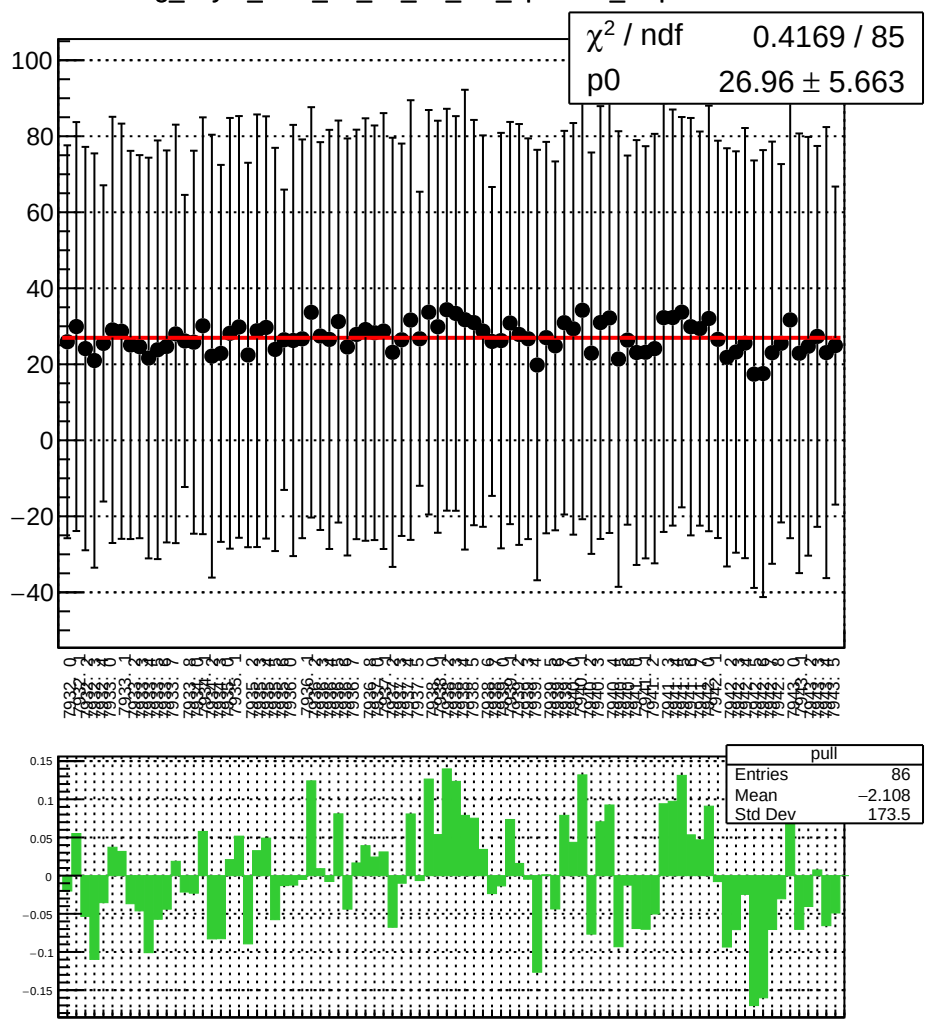

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.461 / 85
p0 0.07403 ± 0.06077
pull
Entries 86
Mean 109.9
Std Dev 70.02

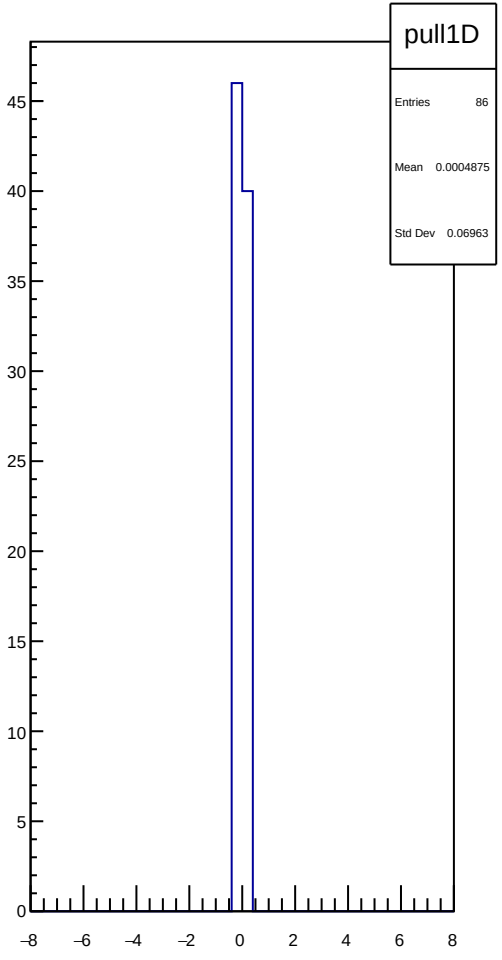

pull1D
Entries 86
Mean 0.002869
Std Dev 0.1691

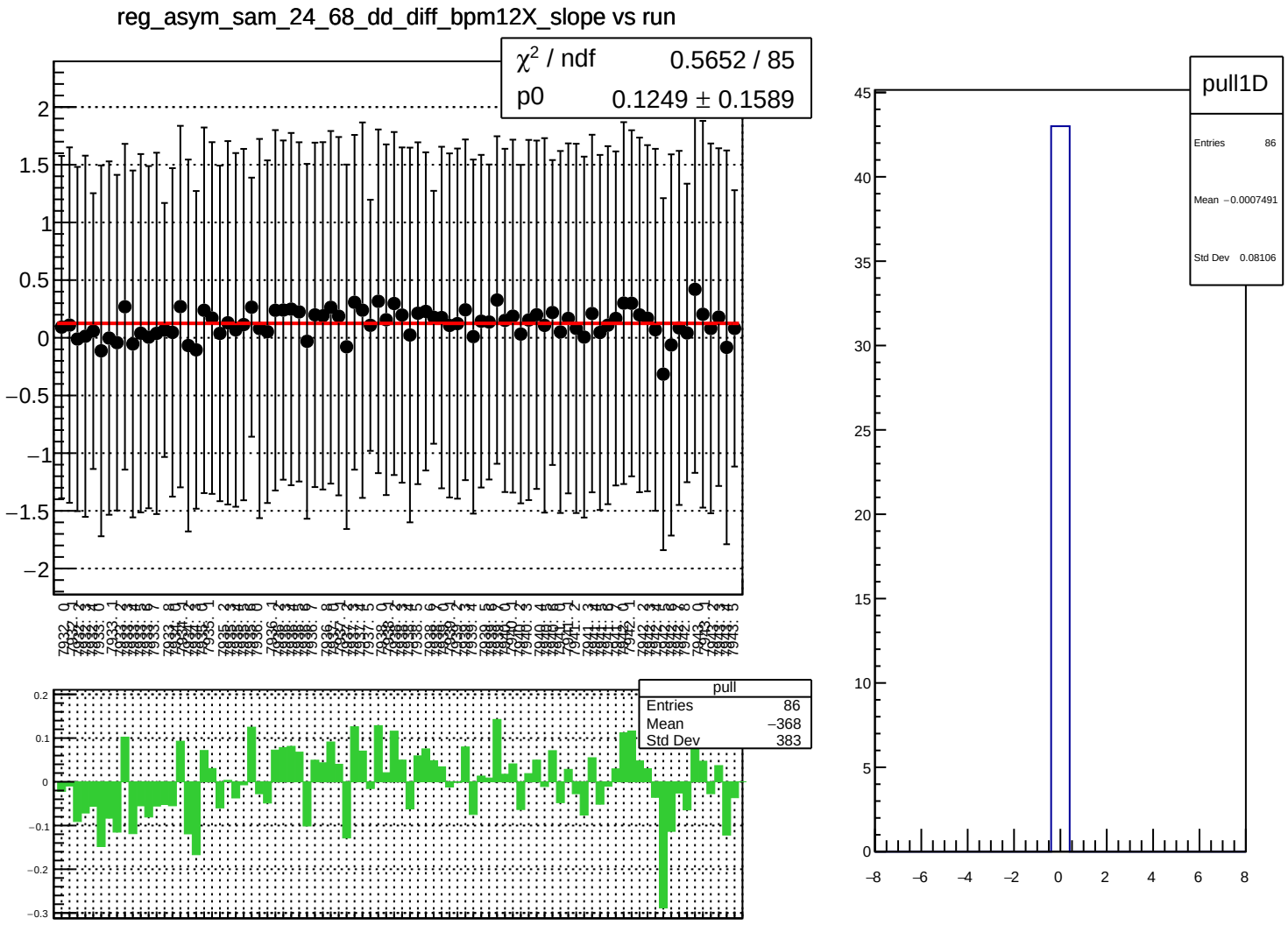

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 1.214 / 85
p0 −56.42 ± 4.719
pull
Entries 86
Mean −103.3
Std Dev 146.1
pull1D
Entries 86
Mean −0.005419
Std Dev 0.1187

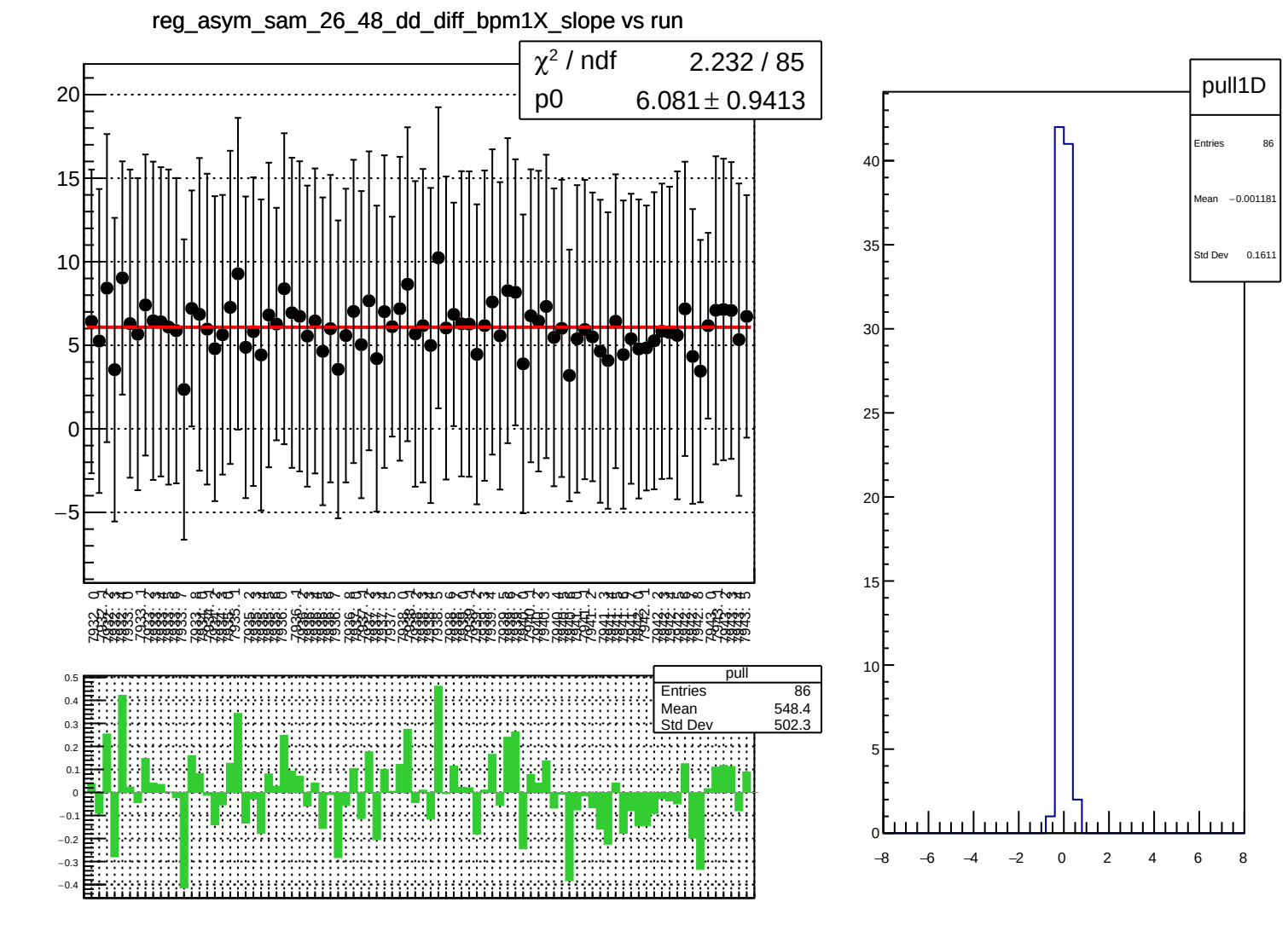

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.4201 / 85
p0 −36.78 ± 4.912
pull
Entries 86
Mean 132.6
Std Dev 171.1
pull1D
Entries 86
Mean −0.000616
Std Dev 0.06989

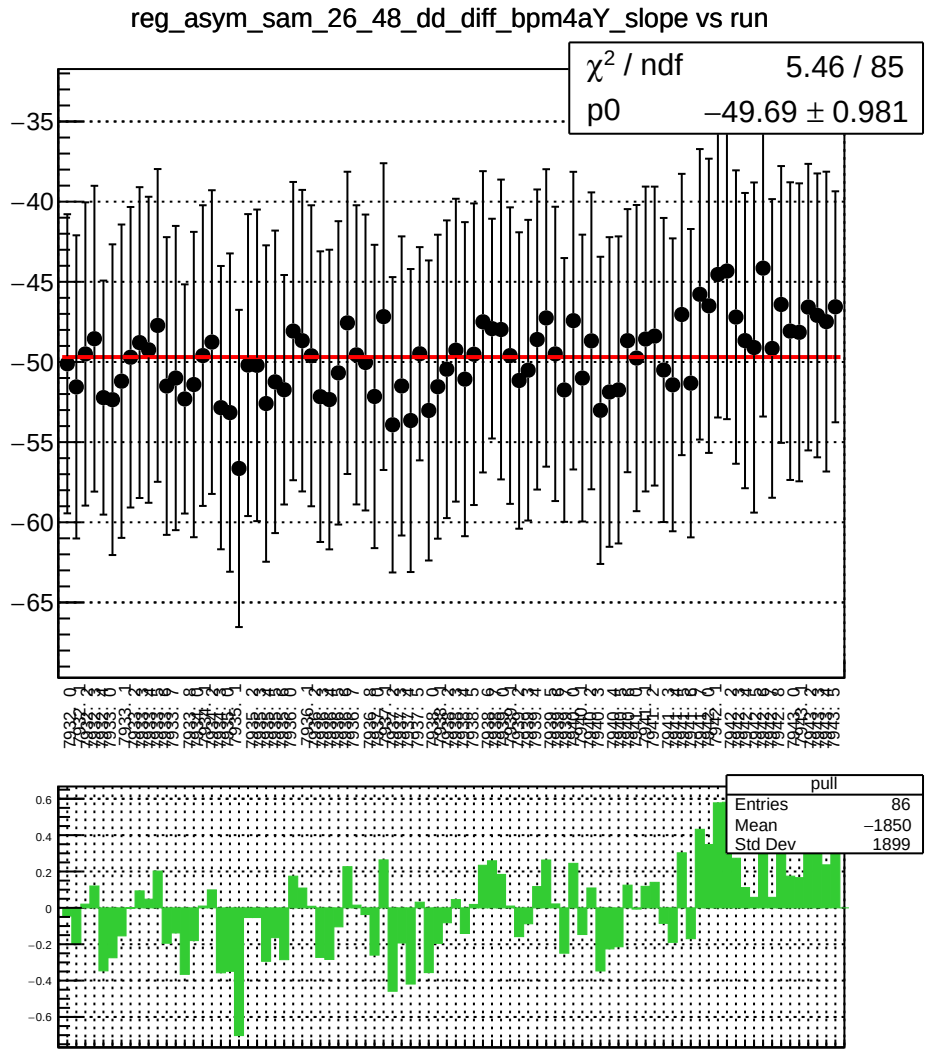

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.122 / 85
p0 −63.6 ± 4.245
pull
Entries 86
Mean −33.35
Std Dev 74.65
pull1D
Entries 86
Mean 0.005703
Std Dev 0.1141

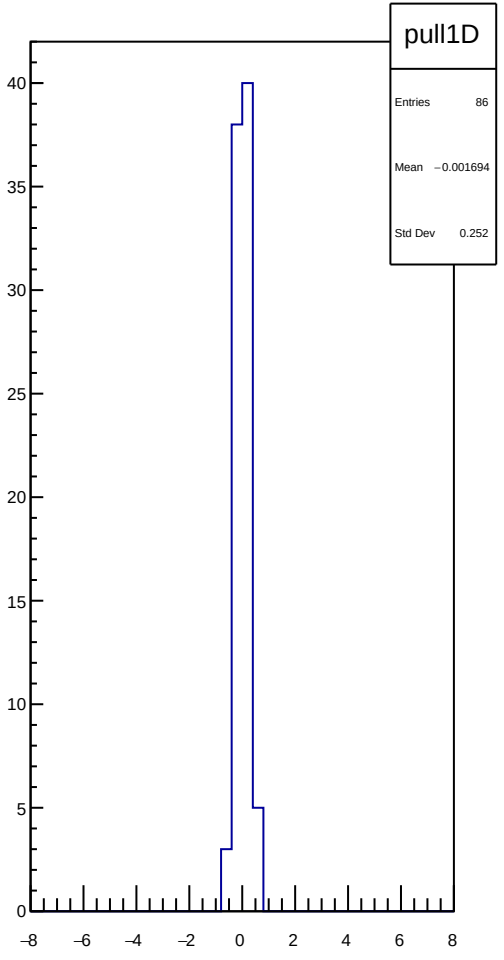

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.4169 / 85
p0 26.96 ± 5.663
pull
Entries 86
Mean −2.108
Std Dev 173.5

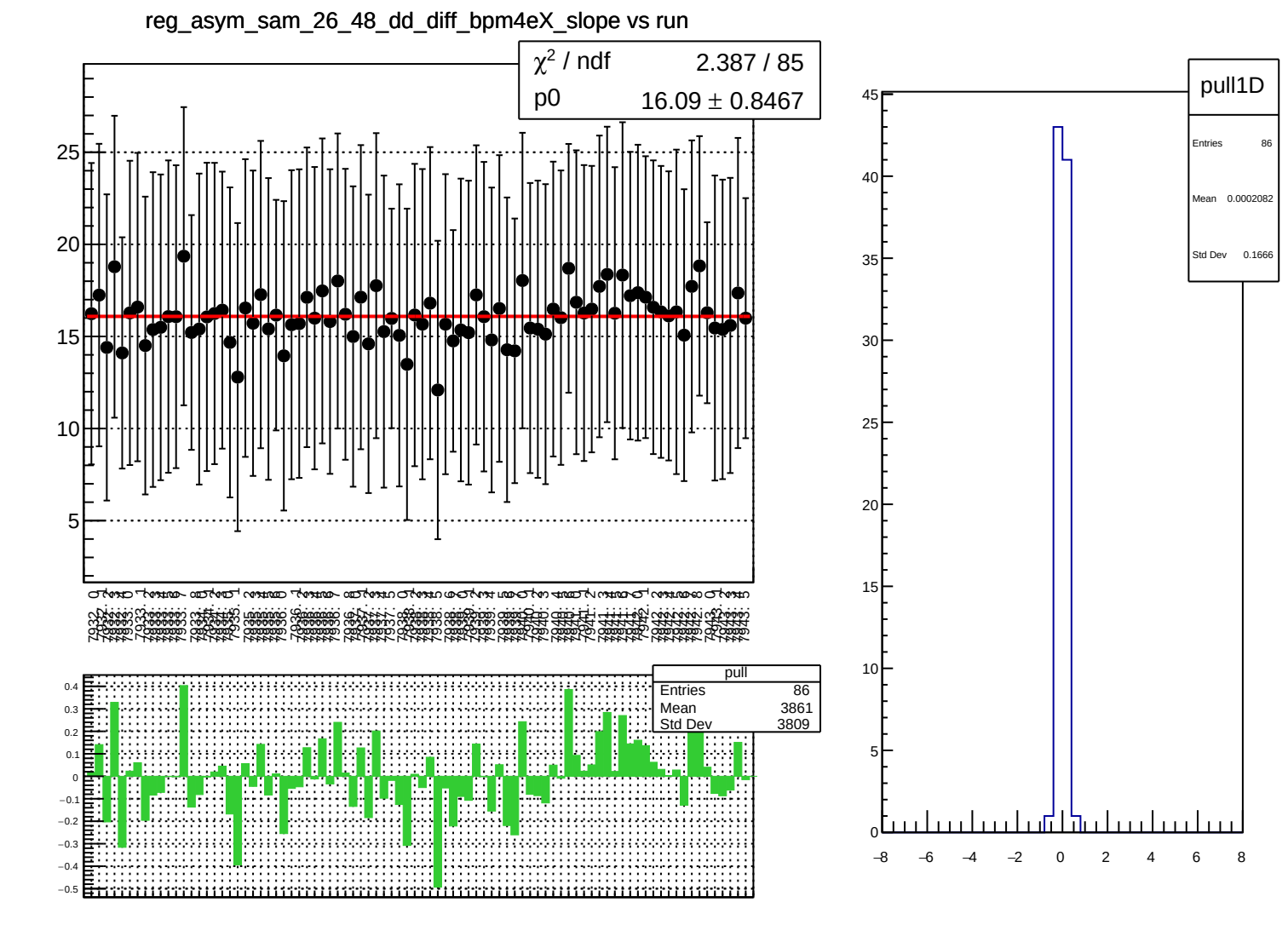

pull1D
Entries 86
Mean 0.0004875
Std Dev 0.06963

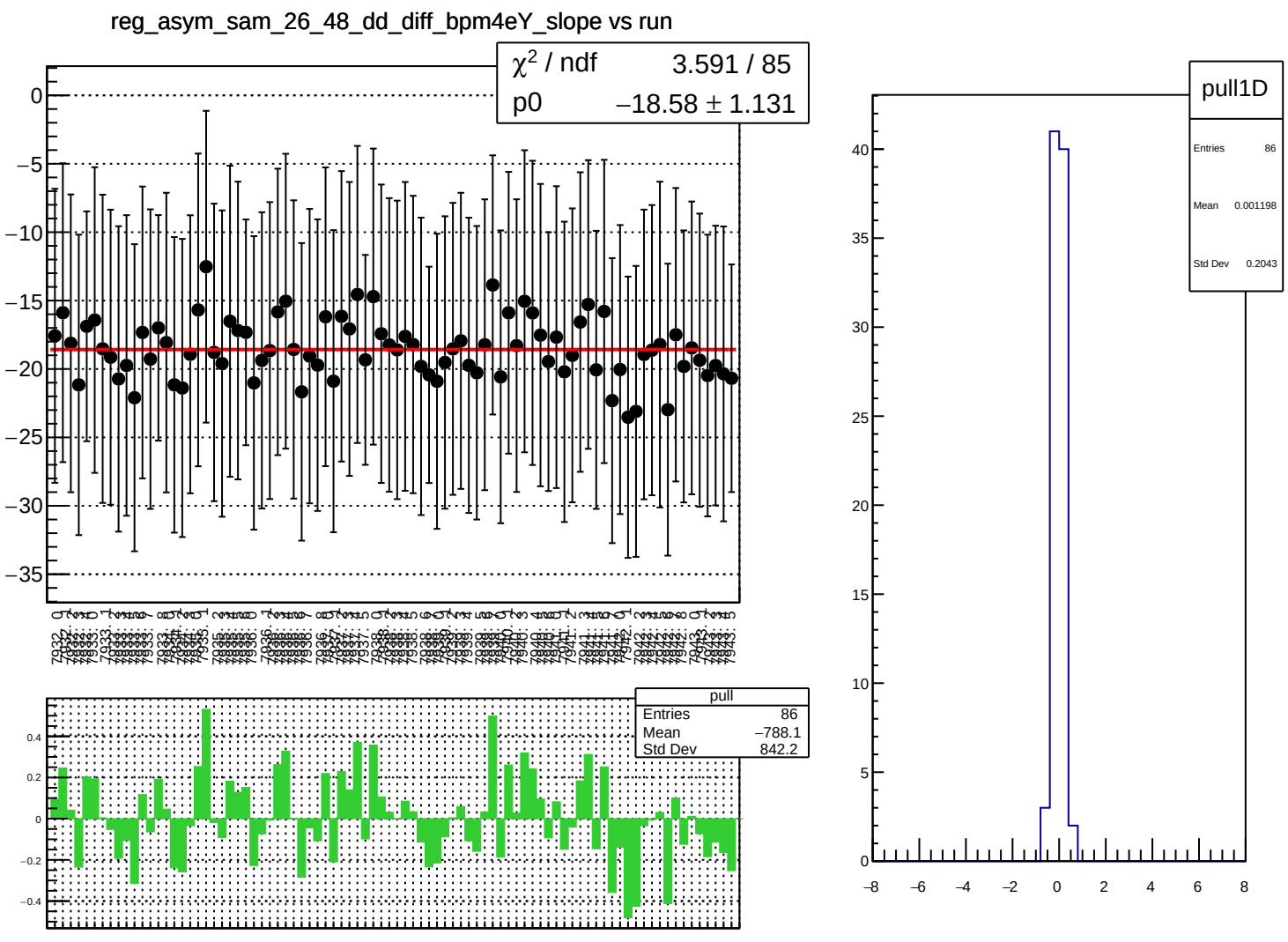

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.5652 / 85
p0 0.1249 ± 0.1589
pull
Entries 86
Mean −368
Std Dev 383
pull1D
Entries 86
Mean −0.0007491
Std Dev 0.08106

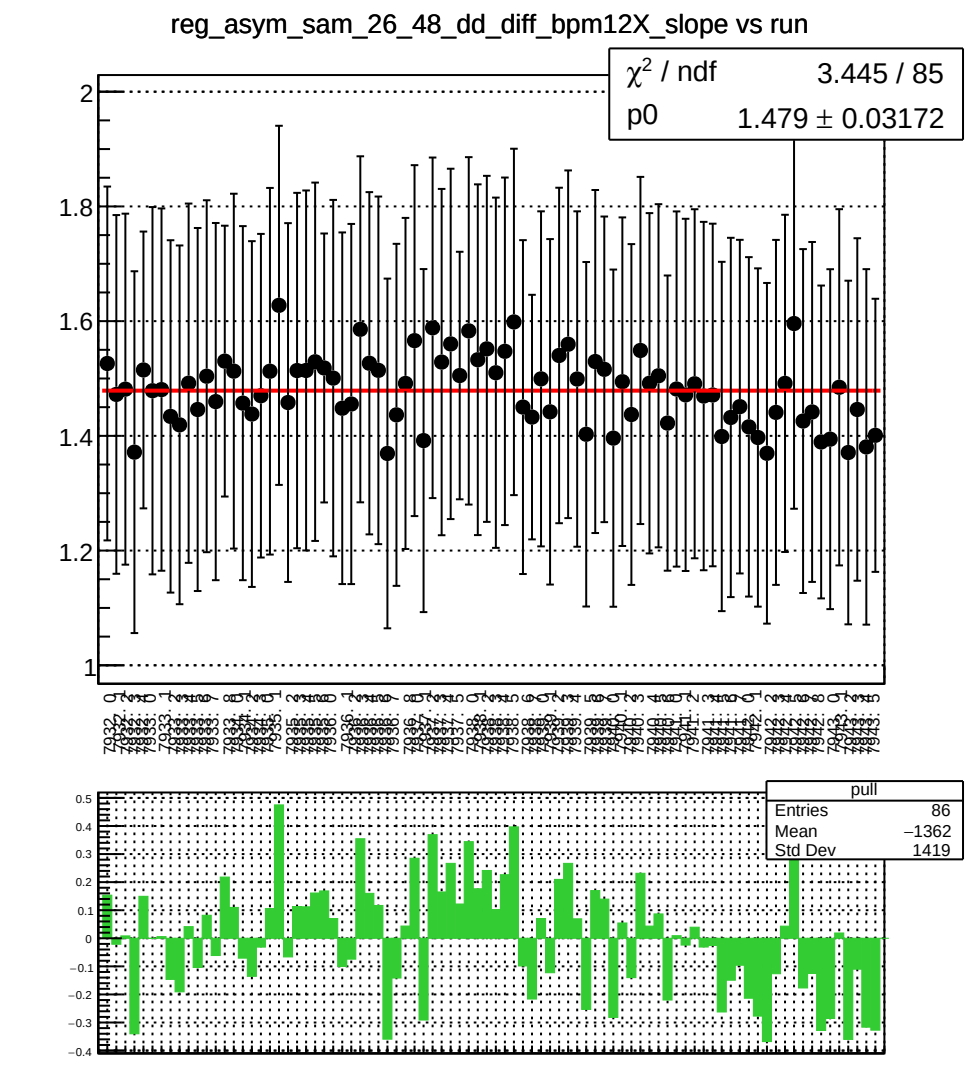

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.232 / 85
p0 6.081 ± 0.9413
pull
Entries 86
Mean 548.4
Std Dev 502.3
pull1D
Entries 86
Mean −0.001181
Std Dev 0.1611

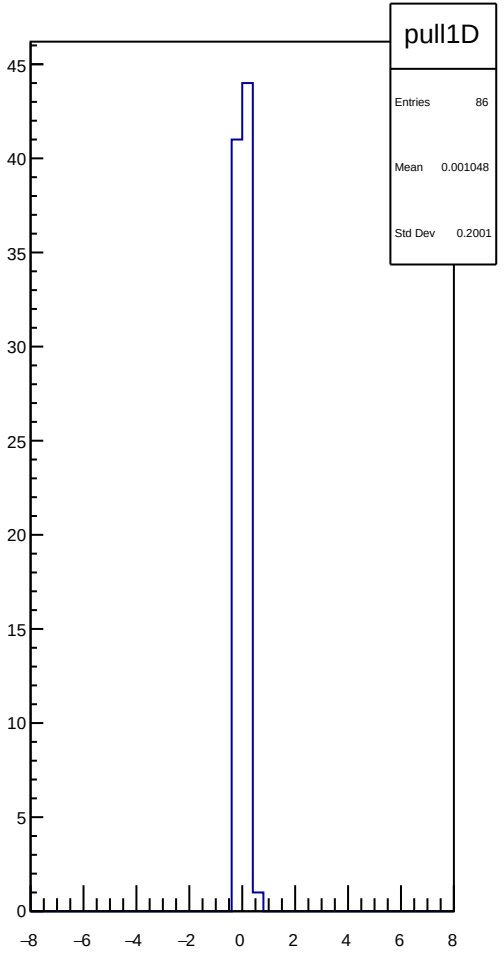

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.46 / 85
p0 −49.69 ± 0.981
pull
Entries 86
Mean −1850
Std Dev 1899

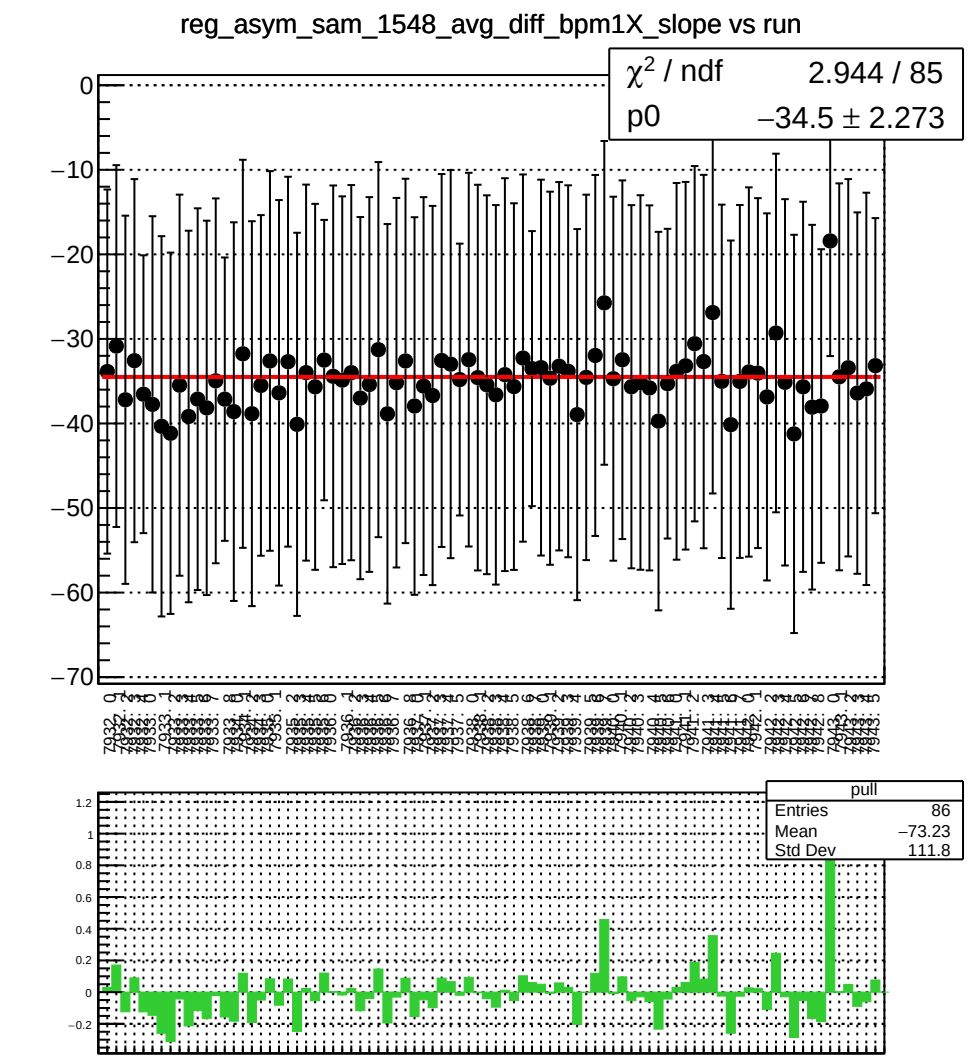

pull1D
Entries 86
Mean −0.001694
Std Dev 0.252

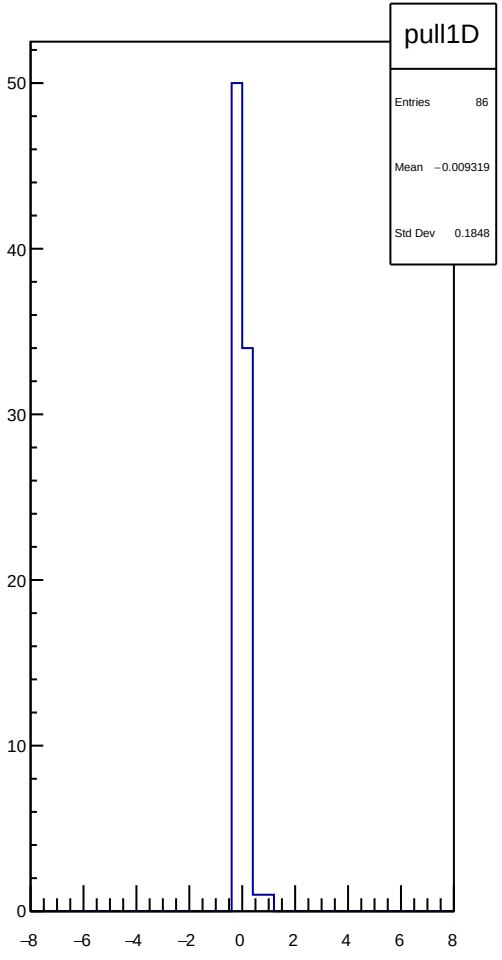

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.387 / 85
p0 16.09 ± 0.8467
pull
Entries 86
Mean 3861
Std Dev 3809
pull1D
Entries 86
Mean 0.0002082
Std Dev 0.1666

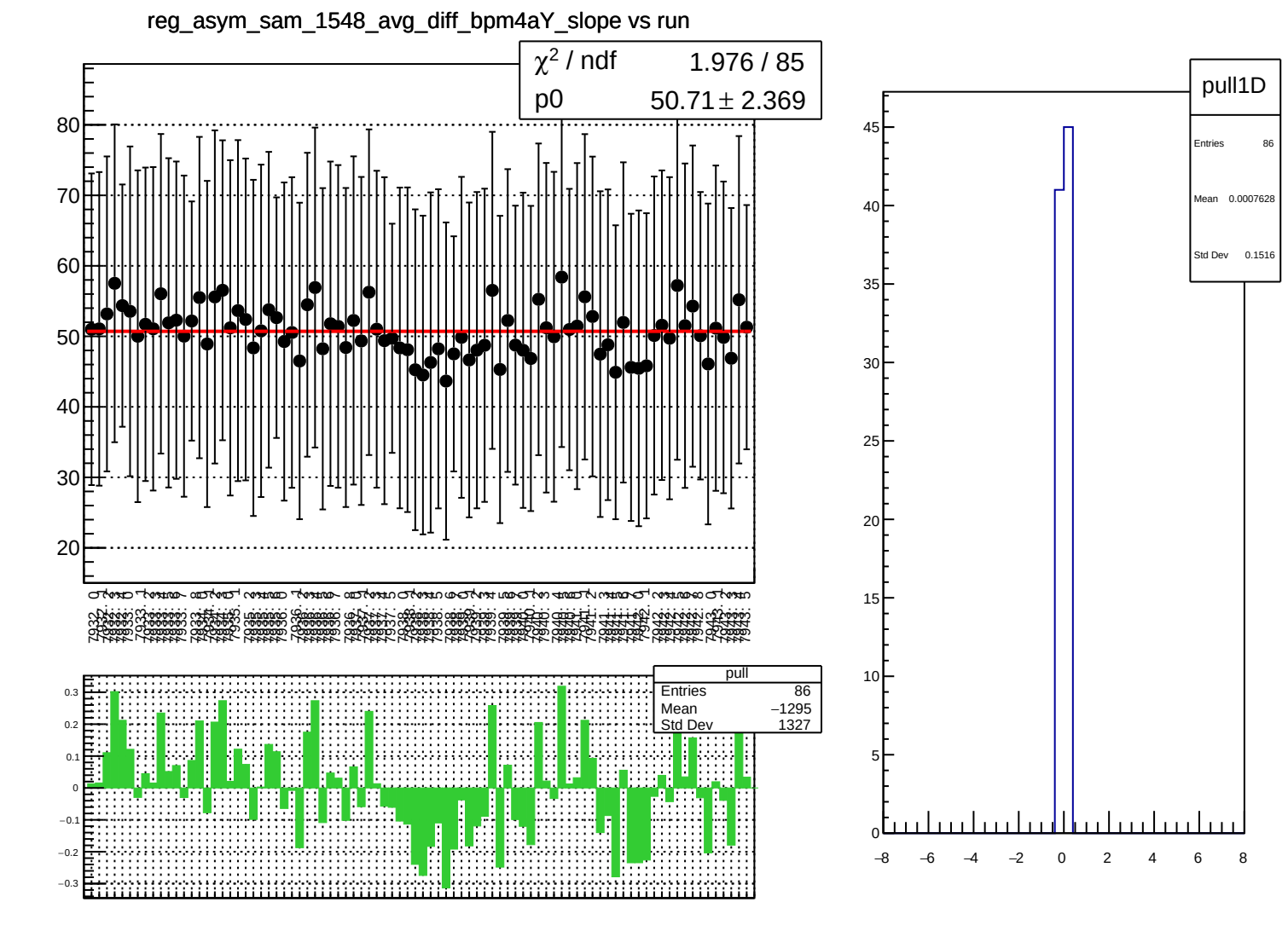

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.591 / 85
p0 −18.58 ± 1.131
pull
Entries 86
Mean −788.1
Std Dev 842.2
pull1D
Entries 86
Mean 0.001198
Std Dev 0.2043

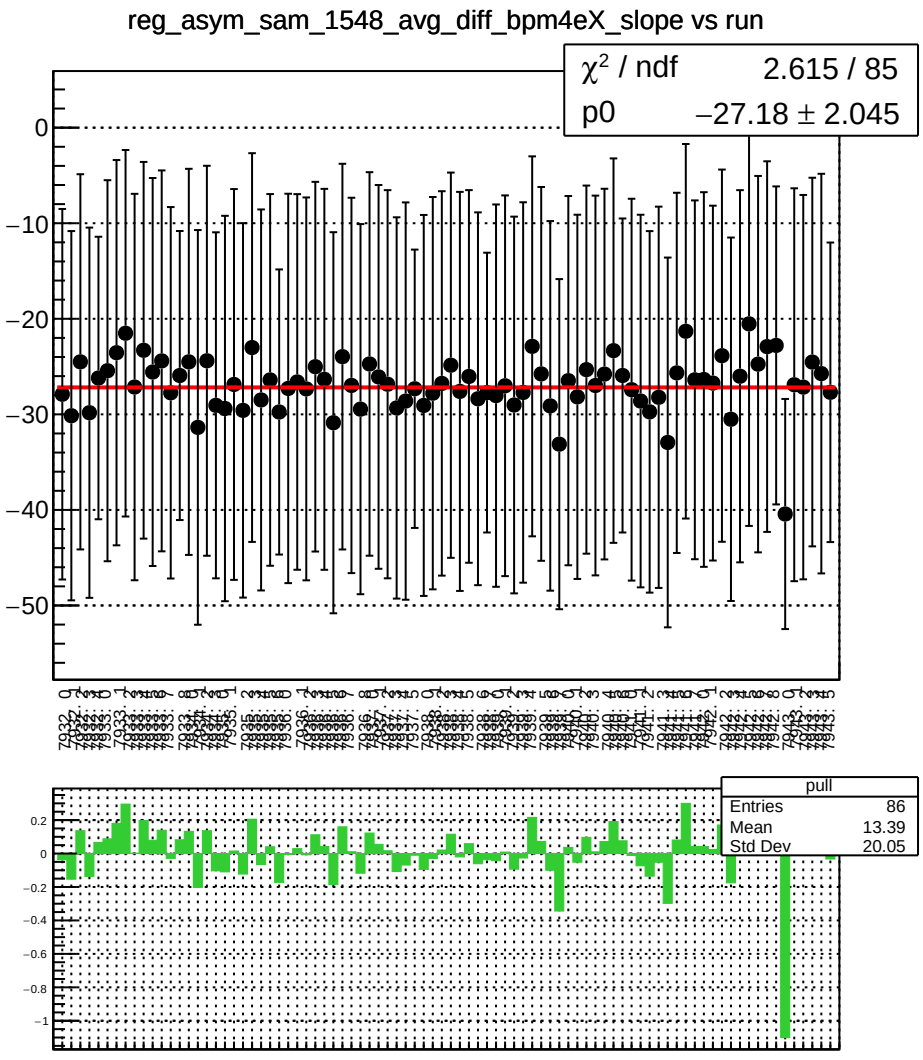

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.445 / 85
p0 1.479 ± 0.03172
pull
Entries 86
Mean −1362
Std Dev 1419

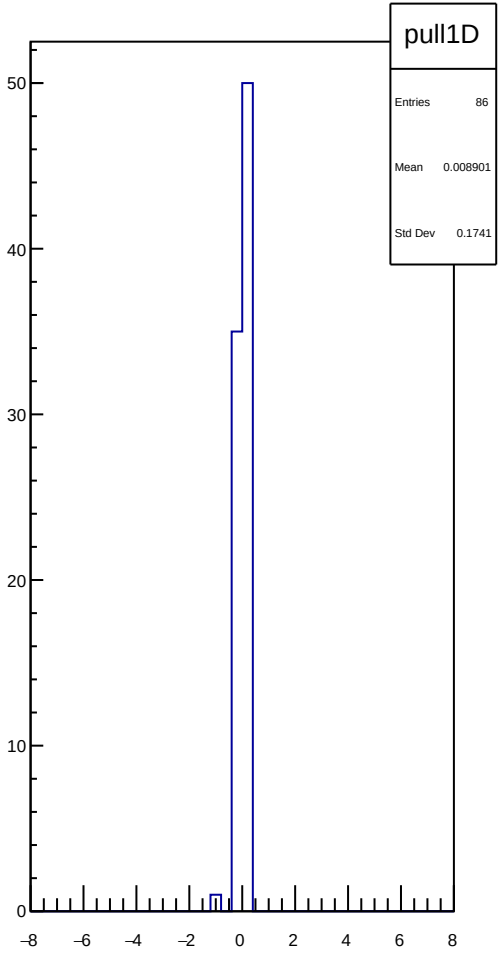

pull1D
Entries 86
Mean 0.001048
Std Dev 0.2001

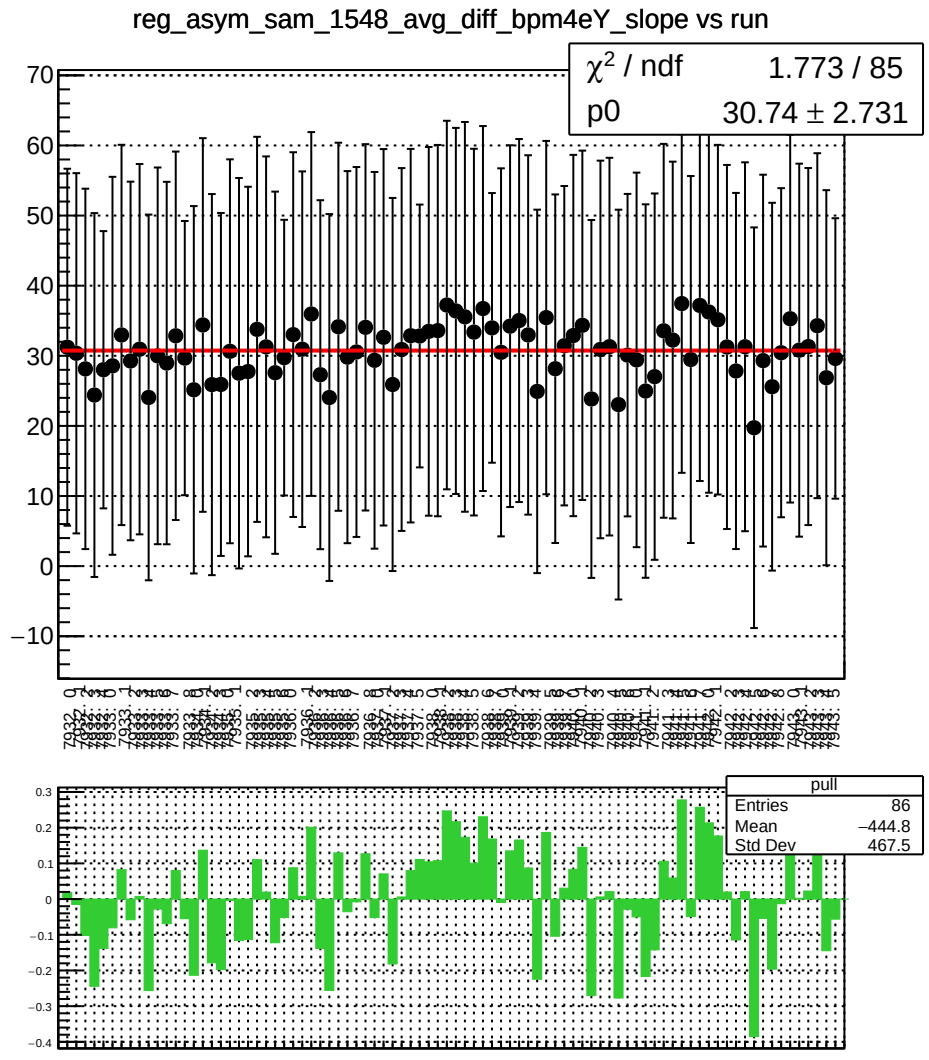

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 2.944 / 85
p0 −34.5 ± 2.273
pull
Entries 86
Mean −73.23
Std Dev 111.8

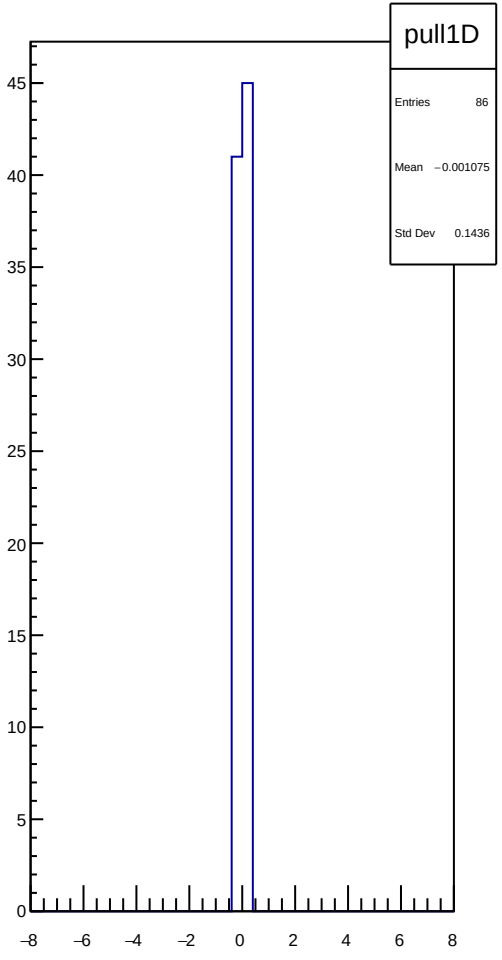

pull1D
Entries 86
Mean −0.009319
Std Dev 0.1848

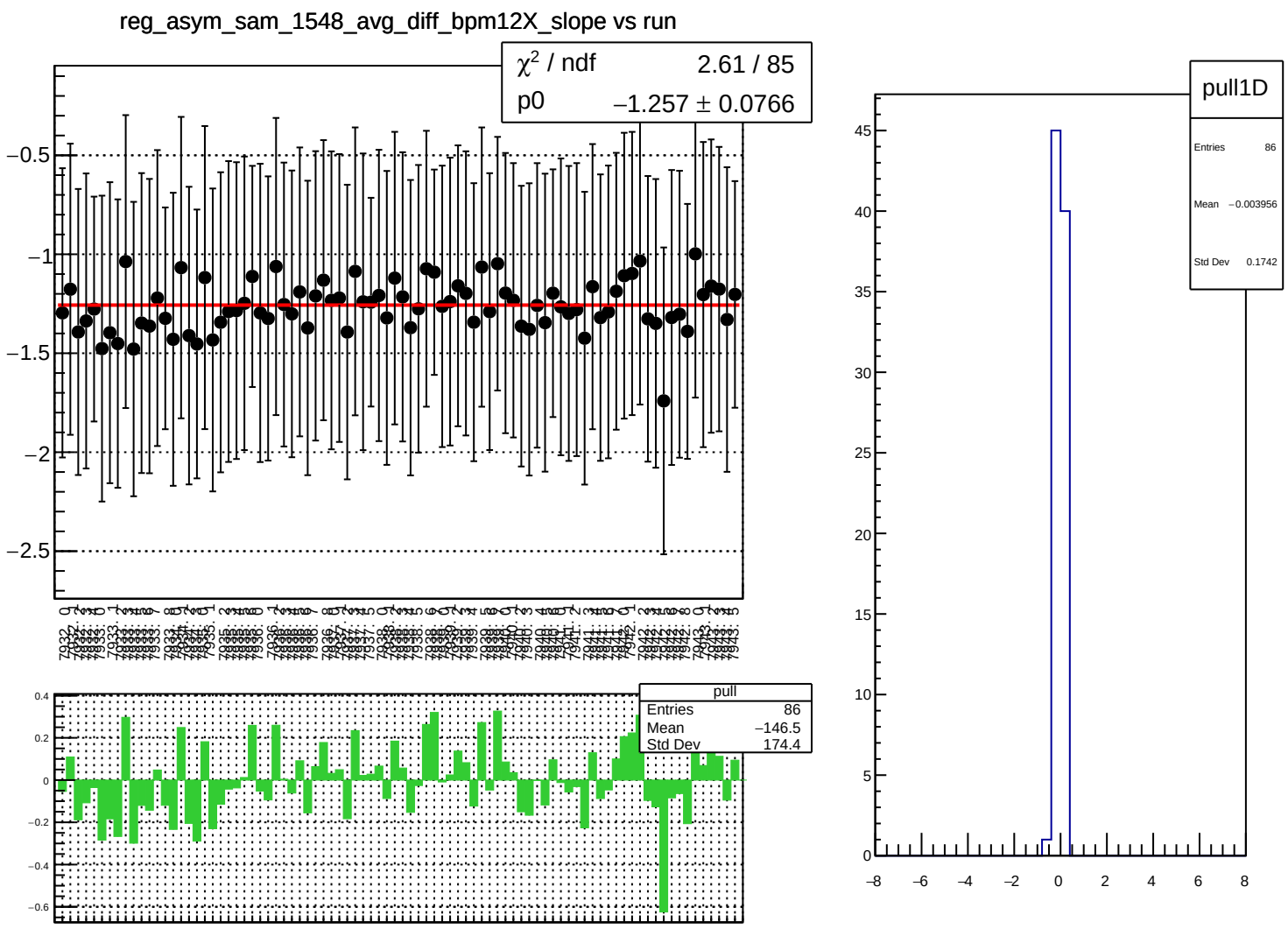

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.976 / 85
p0 50.71 ± 2.369
pull
Entries 86
Mean −1295
Std Dev 1327
pull1D
Entries 86
Mean 0.0007628
Std Dev 0.1516

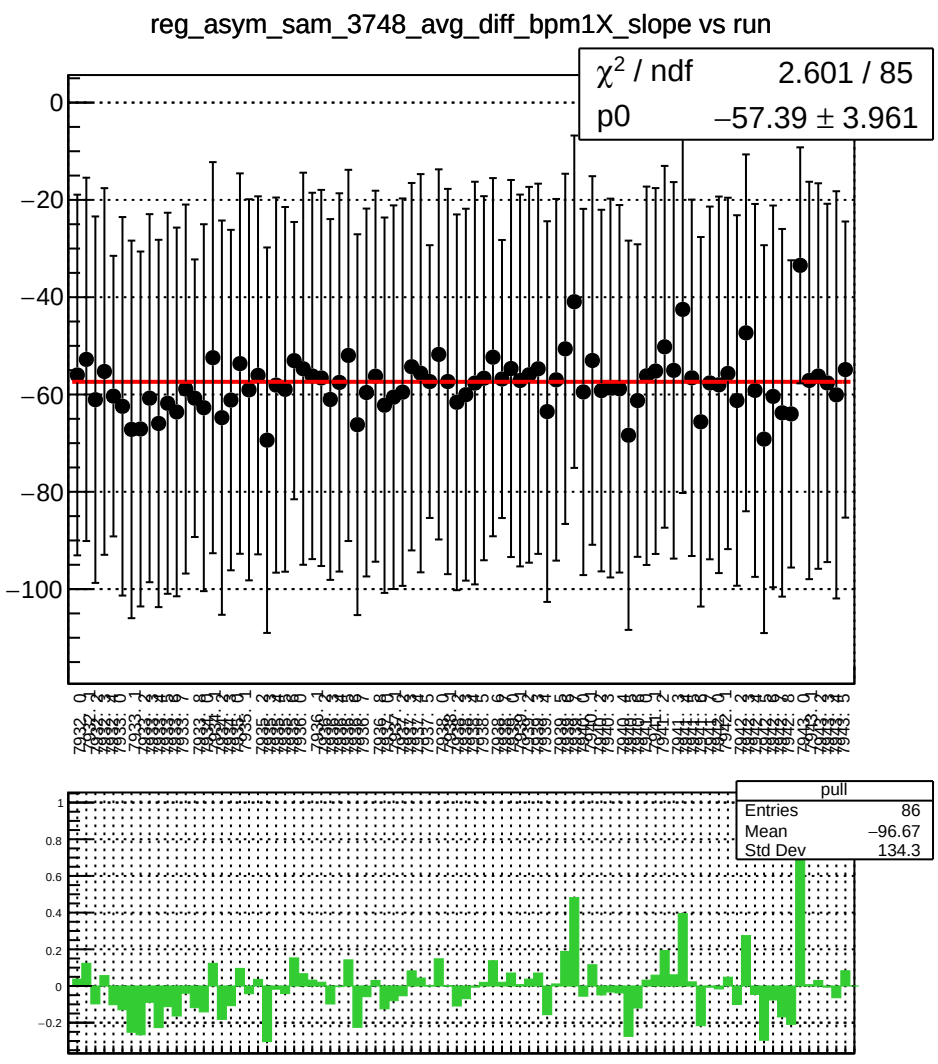

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.615 / 85
p0 −27.18 ± 2.045
pull
Entries 86
Mean 13.39
Std Dev 20.05

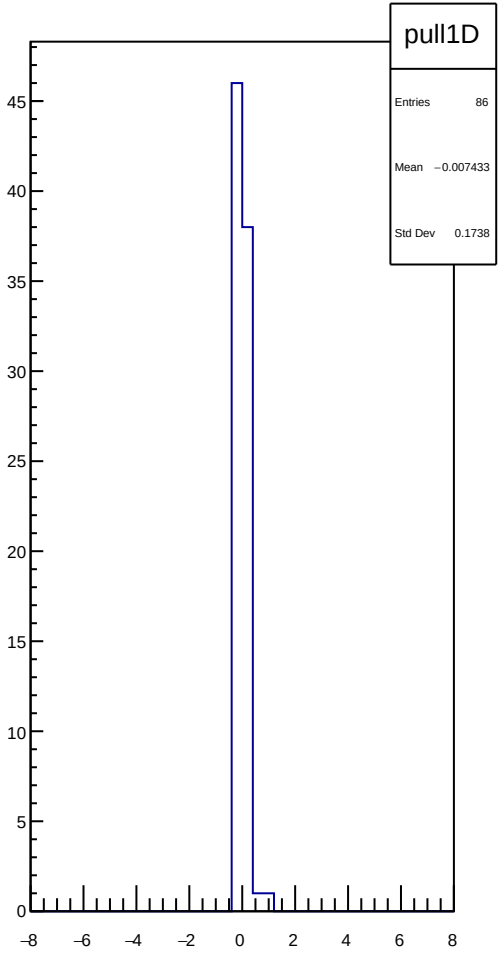

pull1D
Entries 86
Mean 0.008901
Std Dev 0.1741

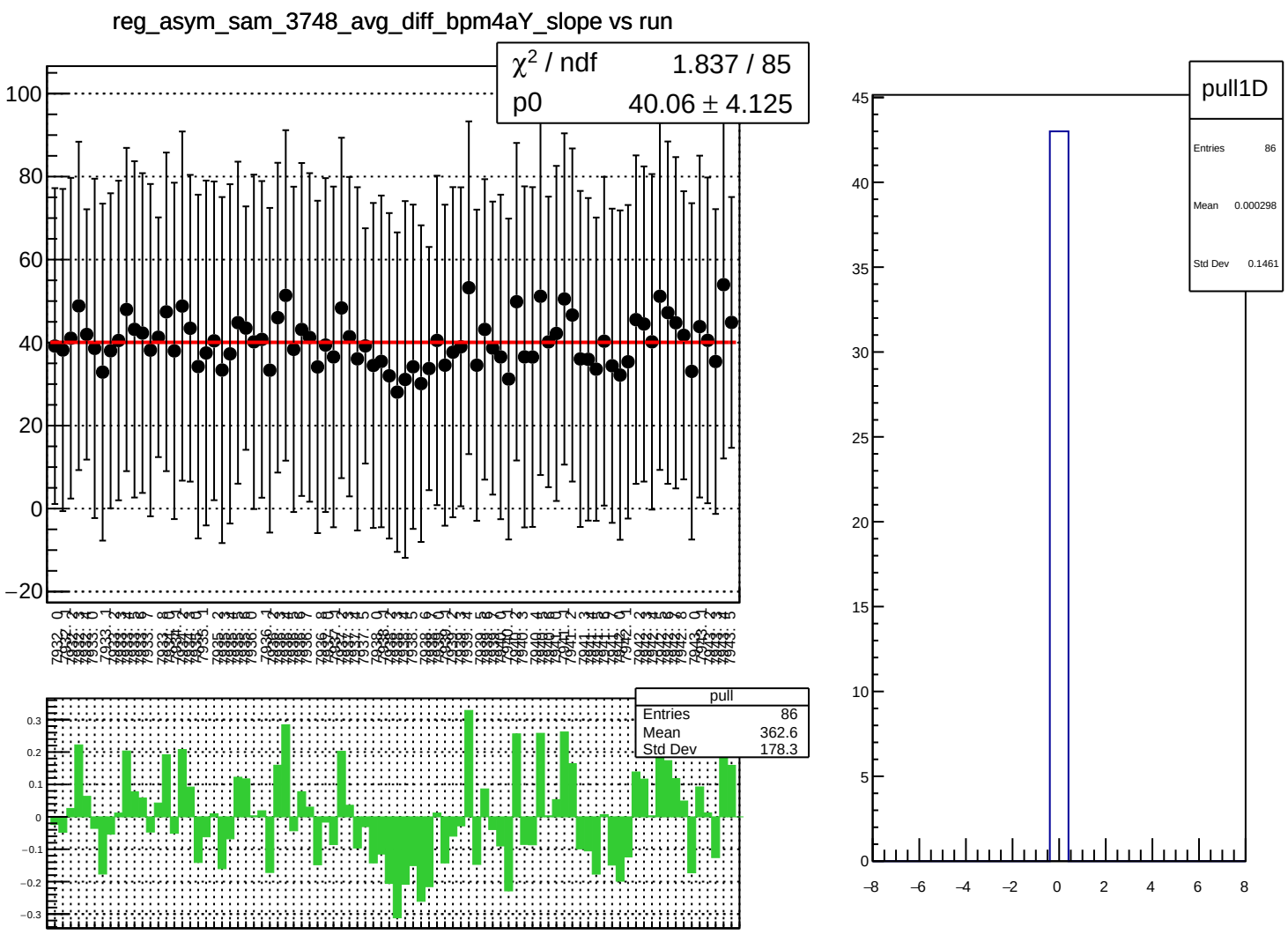

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.773 / 85
p0 30.74 ± 2.731
pull
Entries 86
Mean −444.8
Std Dev 467.5

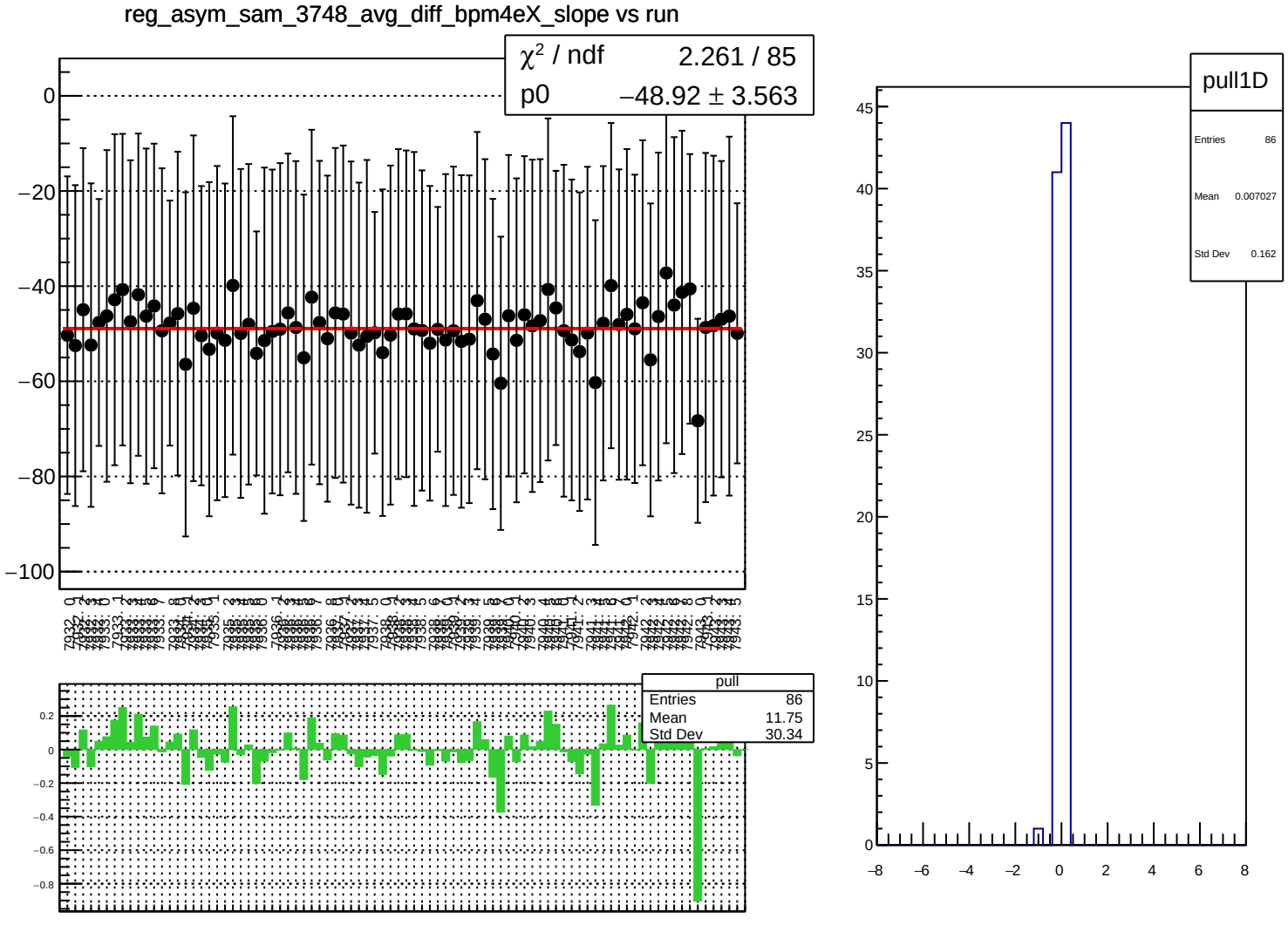

pull1D
Entries 86
Mean −0.001075
Std Dev 0.1436

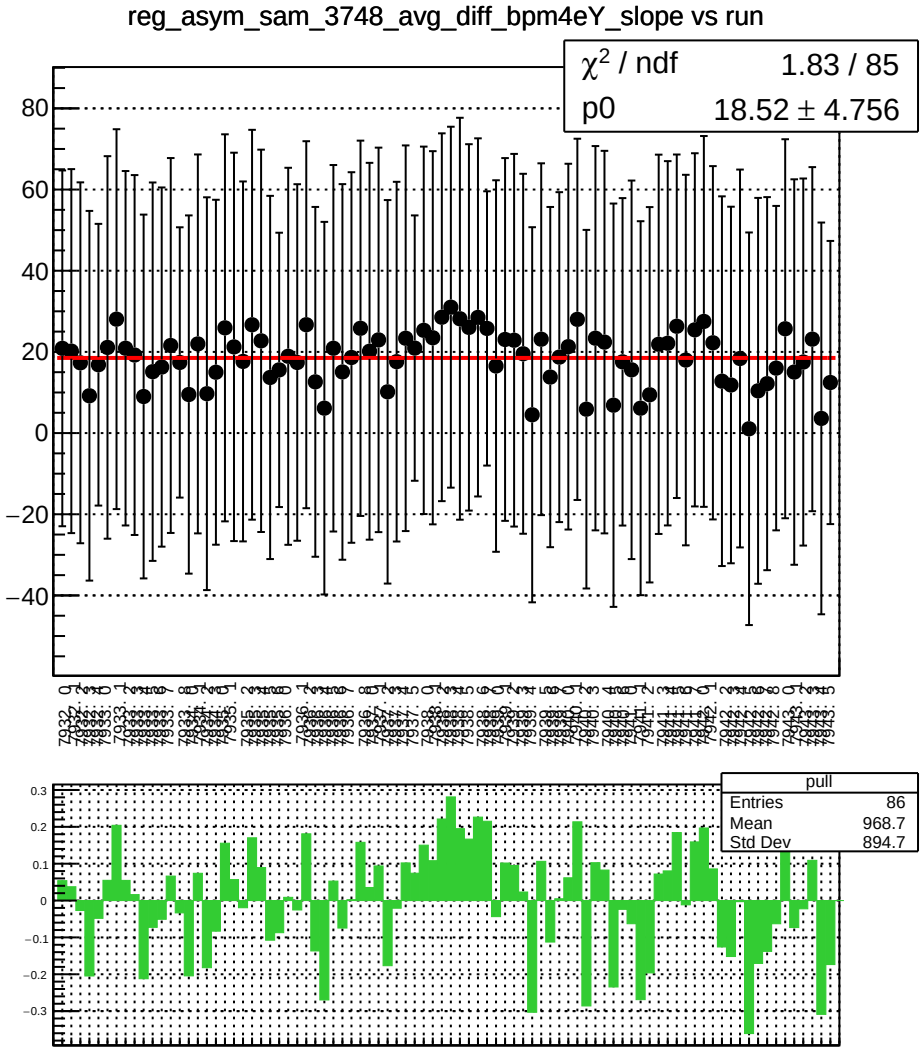

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 2.61 / 85
p0 −1.257 ± 0.0766
pull
Entries 86
Mean −146.5
Std Dev 174.4
pull1D
Entries 86
Mean −0.003956
Std Dev 0.1742

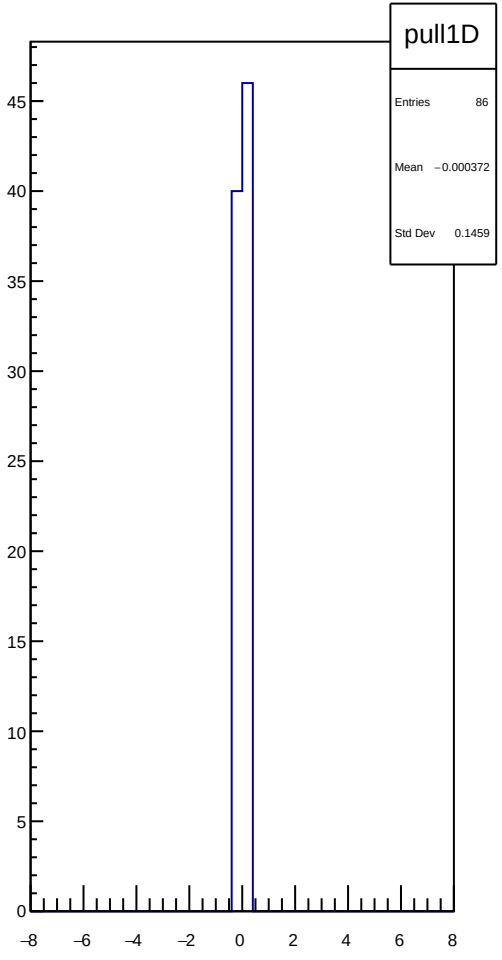

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 2.601 / 85
p0 −57.39 ± 3.961
pull
Entries 86
Mean −96.67
Std Dev 134.3

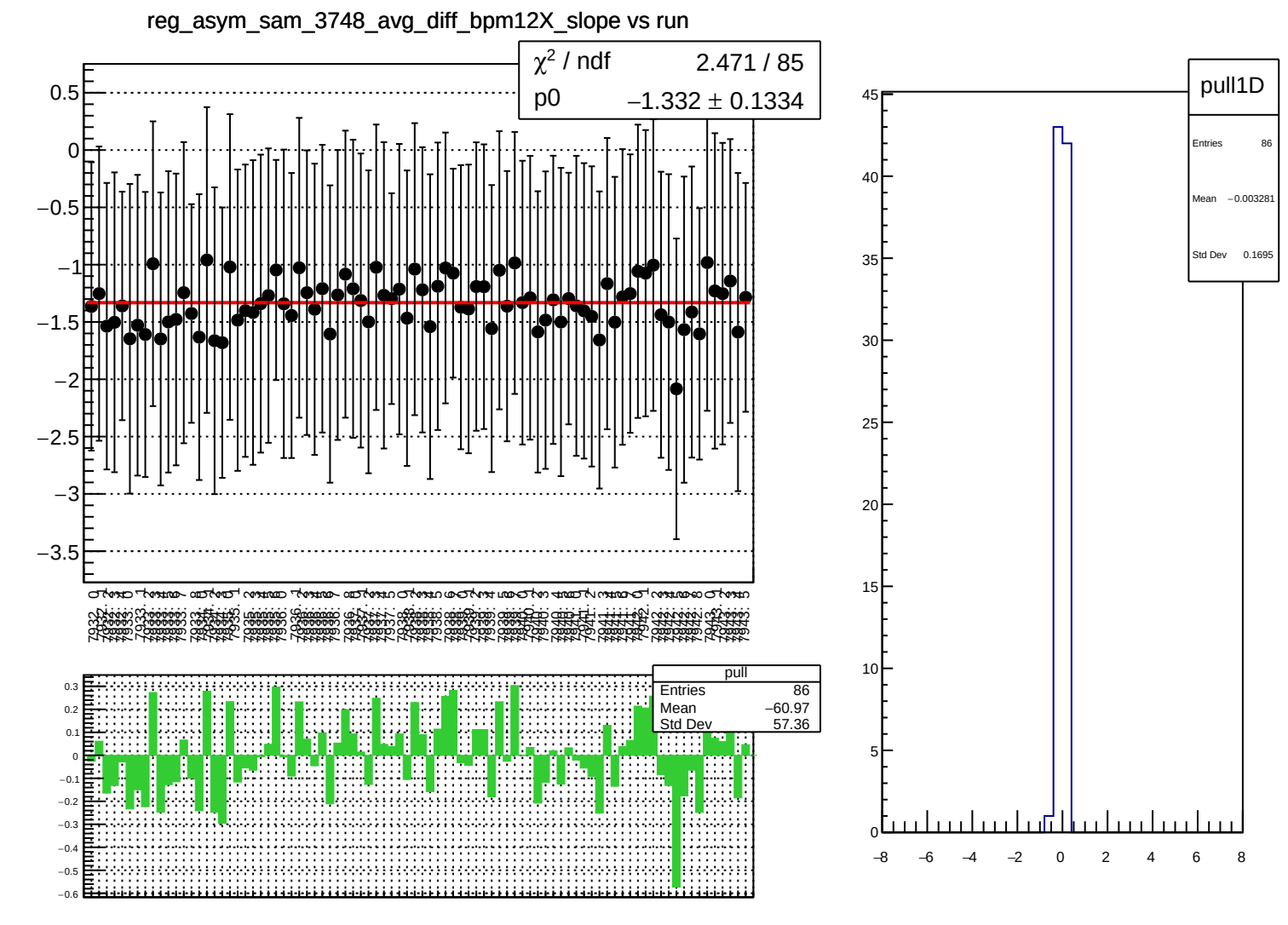

pull1D
Entries 86
Mean −0.007433
Std Dev 0.1738

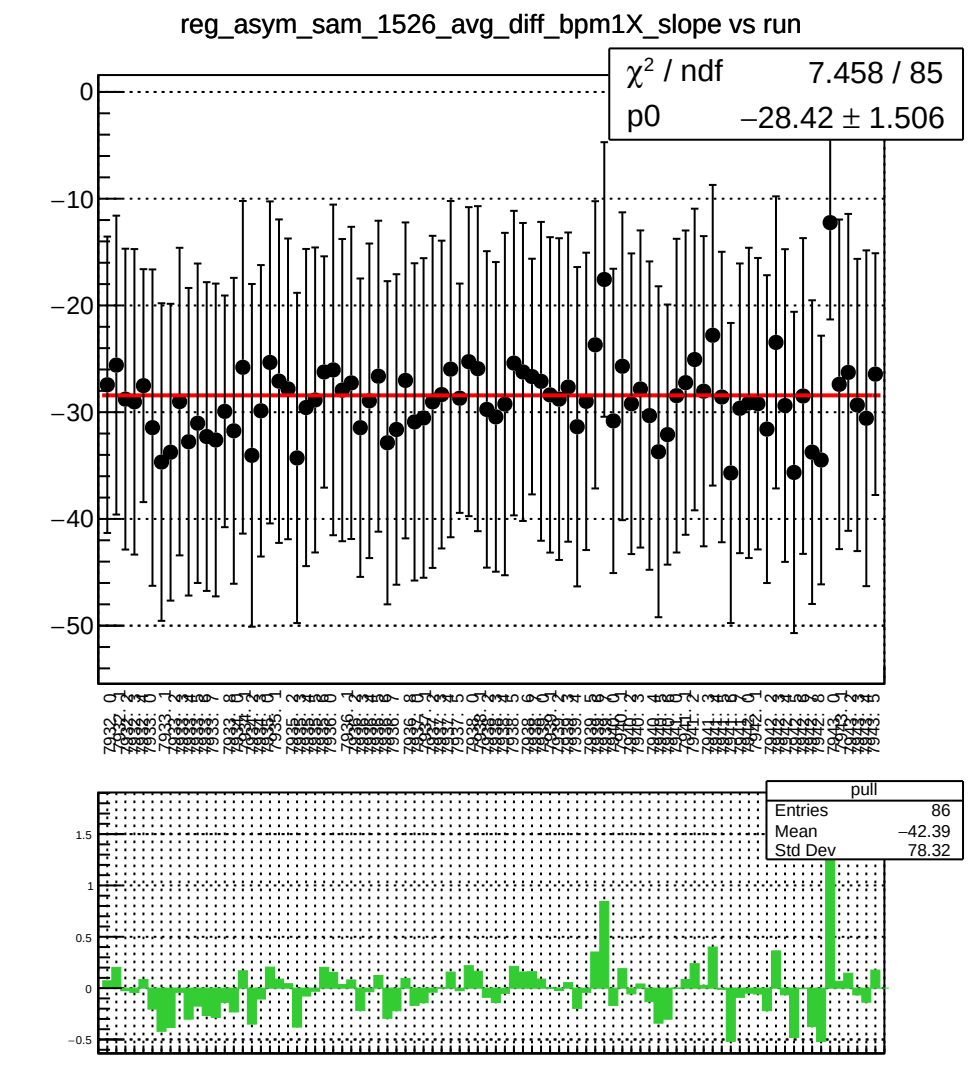

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.837 / 85
p0 40.06 ± 4.125
pull
Entries 86
Mean 362.6
Std Dev 178.3
pull1D
Entries 86
Mean 0.000298
Std Dev 0.1461

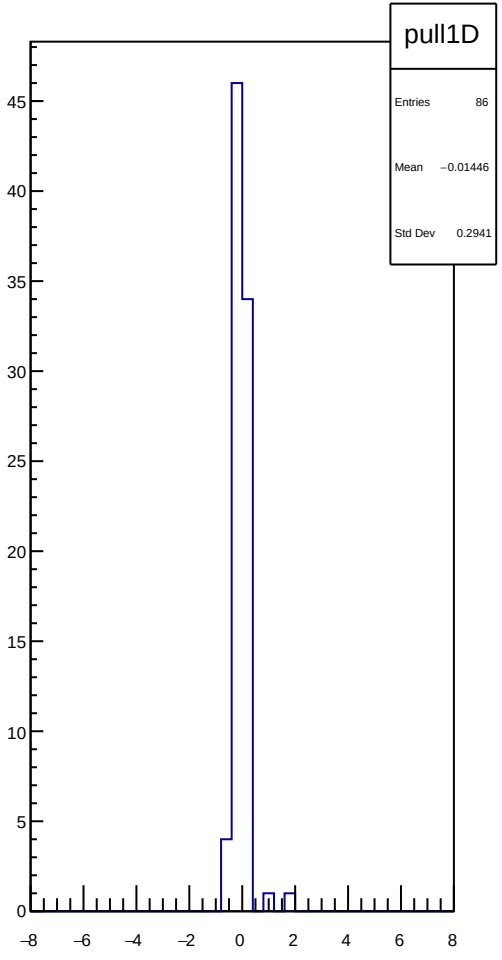

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.261 / 85
p0 −48.92 ± 3.563
pull
Entries 86
Mean 11.75
Std Dev 30.34
pull1D
Entries 86
Mean 0.007027
Std Dev 0.162

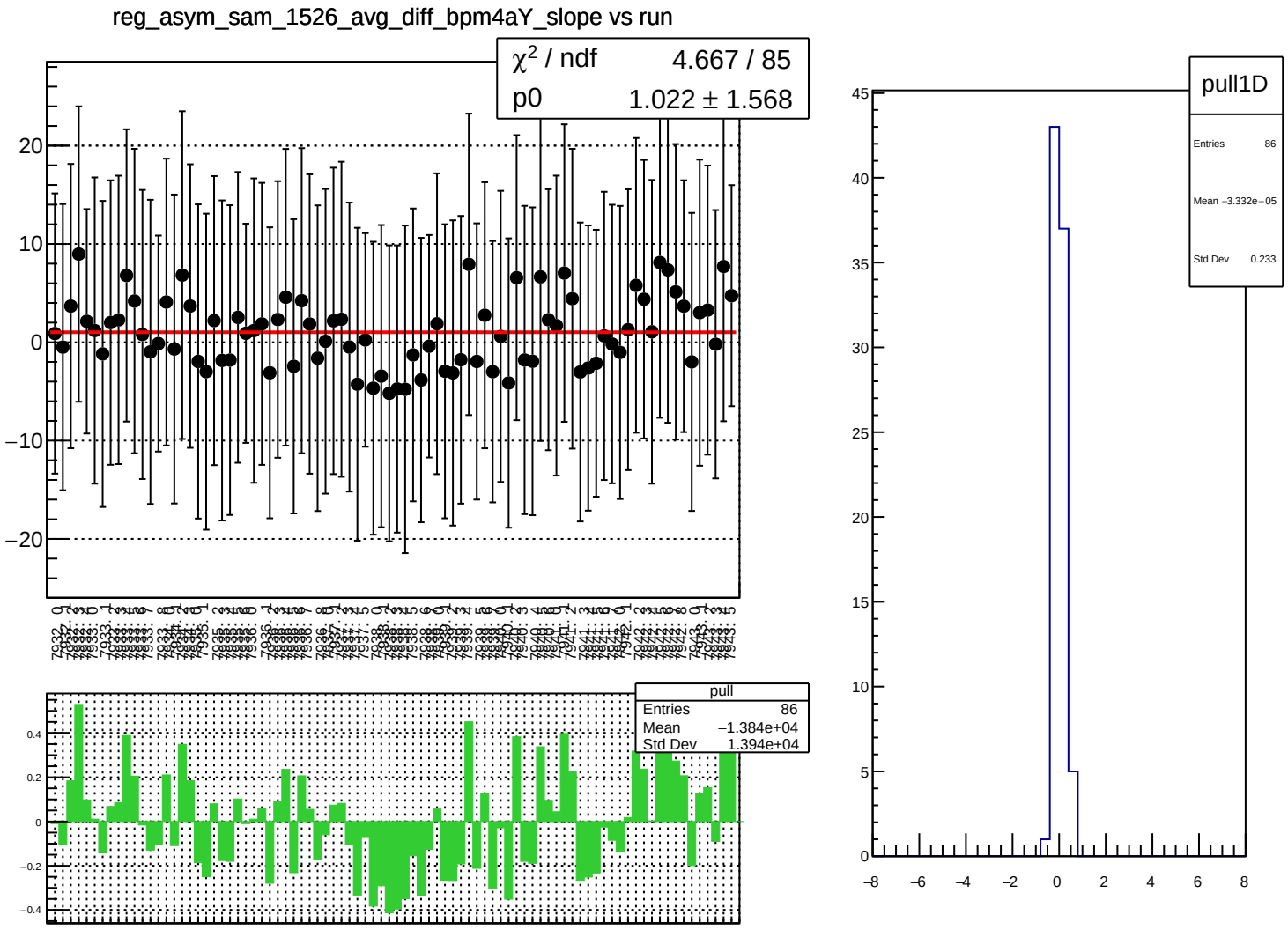

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.83 / 85
p0 18.52 ± 4.756
pull
Entries 86
Mean 968.7
Std Dev 894.7

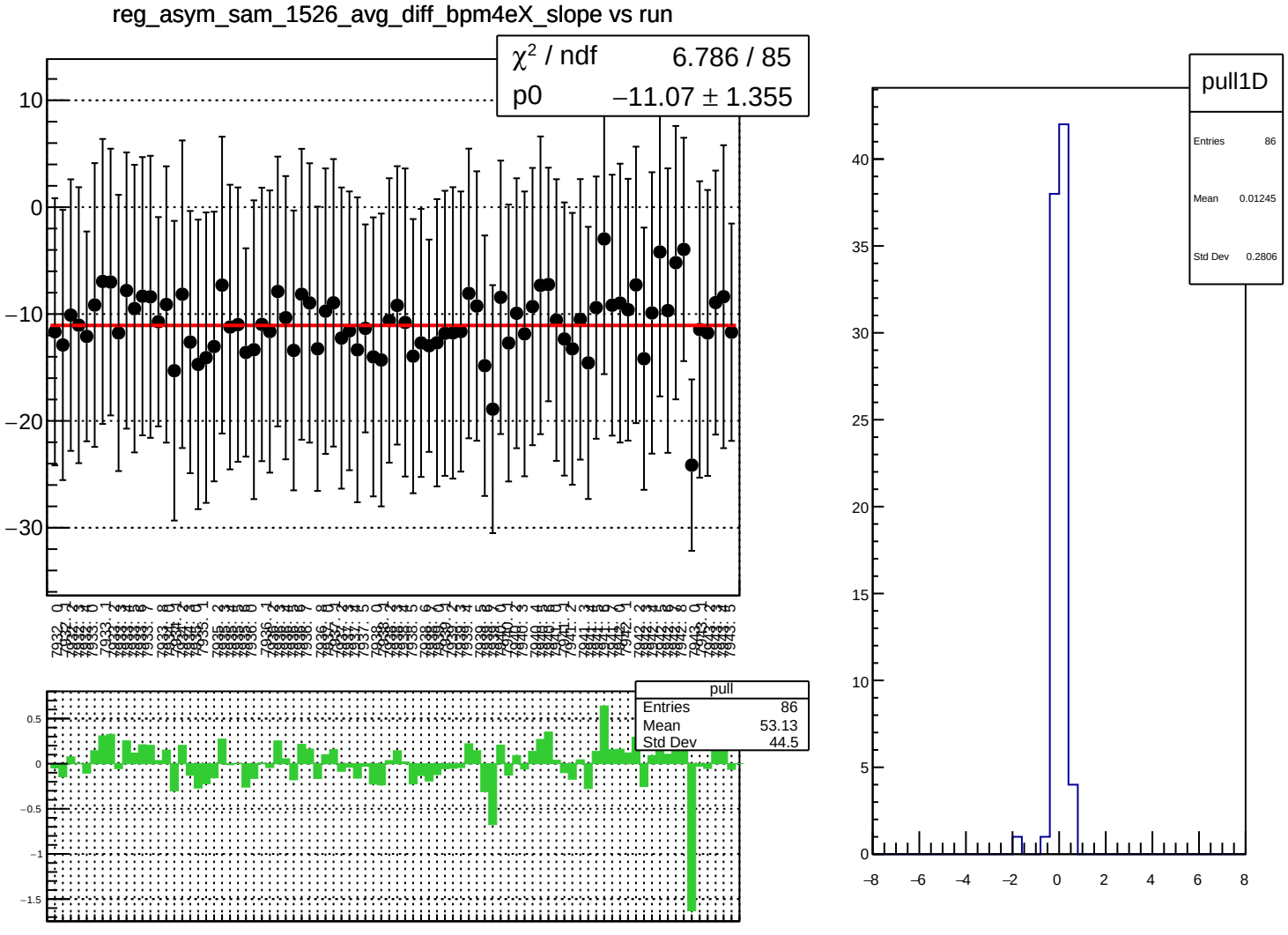

pull1D
Entries 86
Mean −0.000372
Std Dev 0.1459

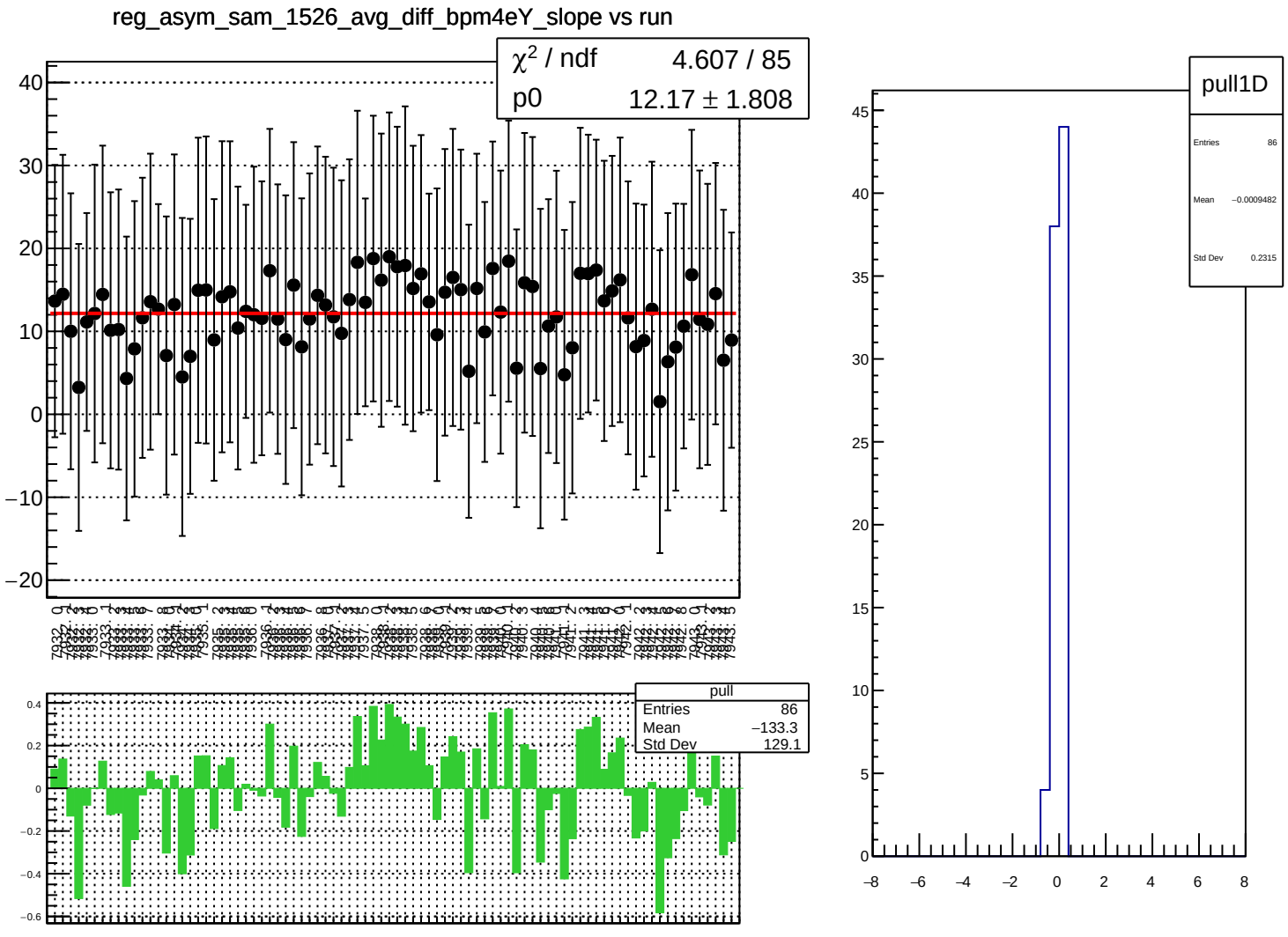

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 2.471 / 85
p0 −1.332 ± 0.1334
pull
Entries 86
Mean −60.97
Std Dev 57.36
pull1D
Entries 86
Mean −0.003281
Std Dev 0.1695

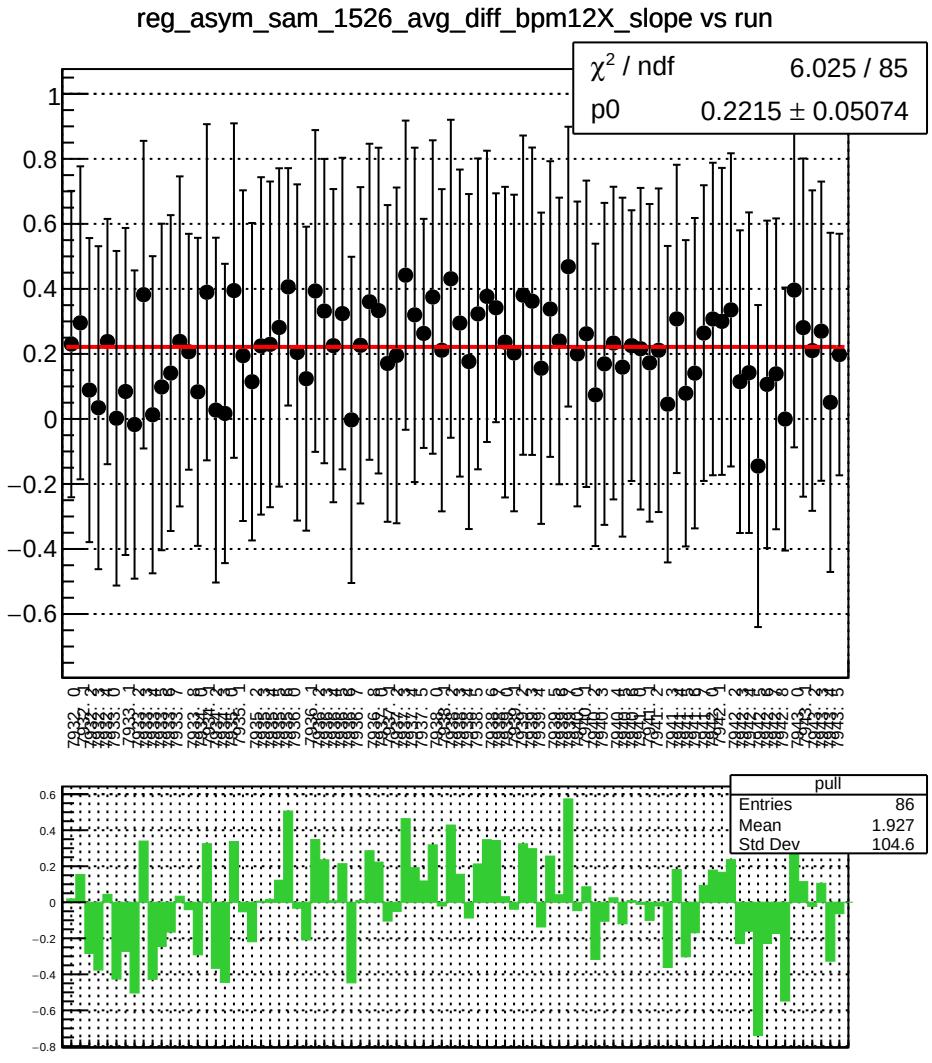

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 7.458 / 85
p0 −28.42 ± 1.506
pull
Entries 86
Mean −42.39
Std Dev 78.32

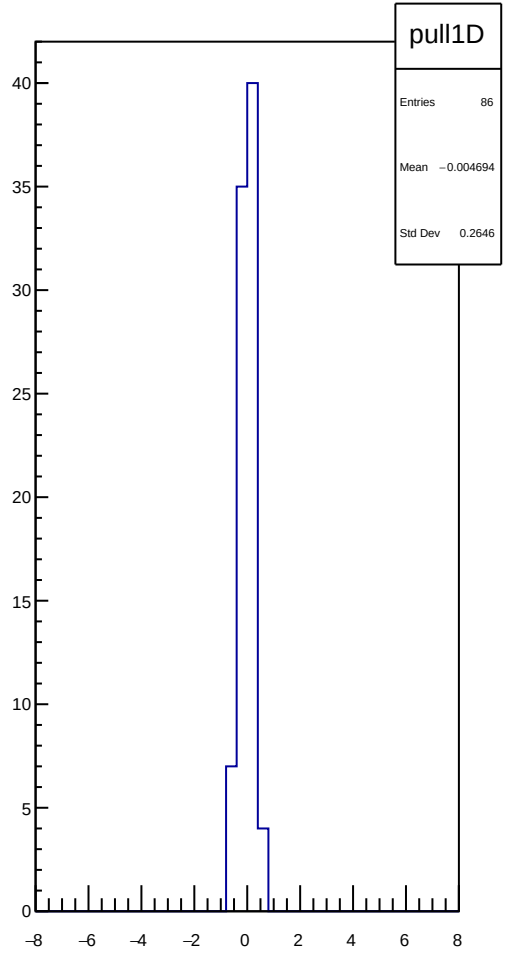

pull1D
Entries 86
Mean −0.01446
Std Dev 0.2941

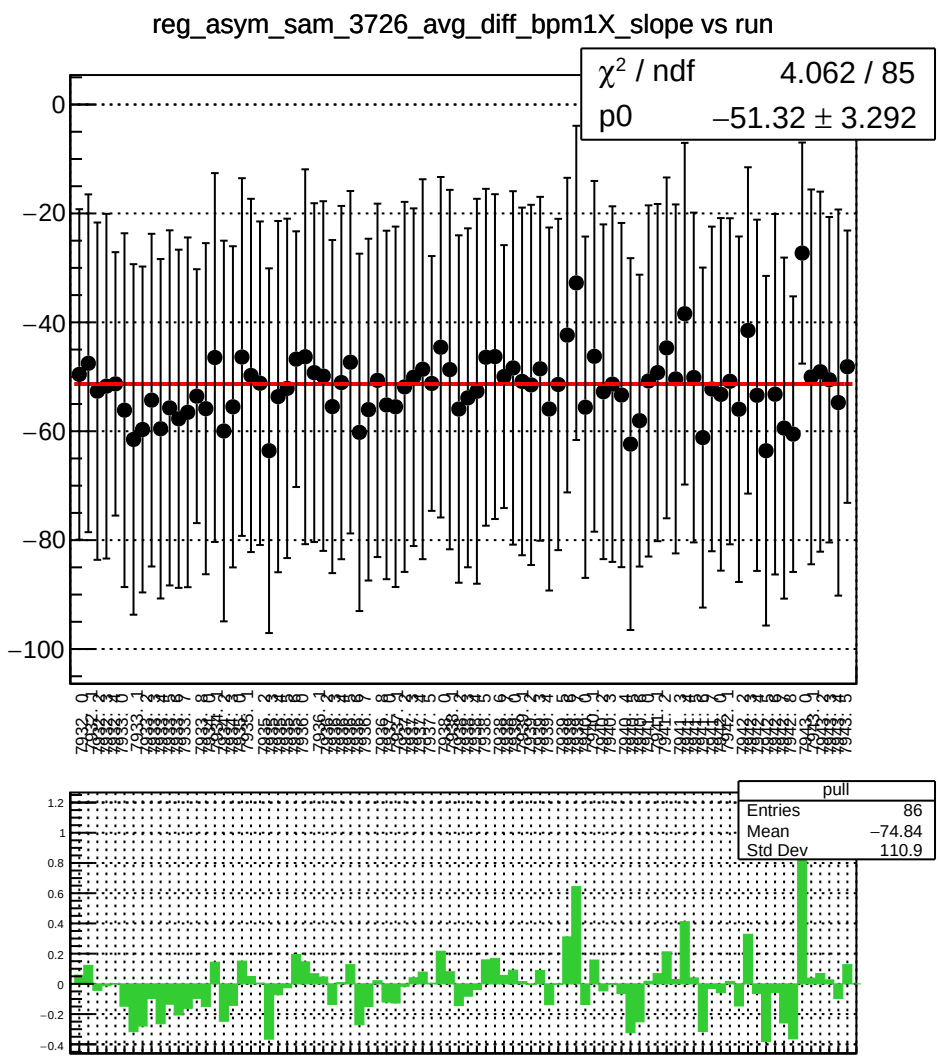

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.667 / 85
p0 1.022 ± 1.568
pull
Entries 86
Mean −1.384e+04
Std Dev 1.394e+04
pull1D
Entries 86
Mean −3.332e−05
Std Dev 0.233

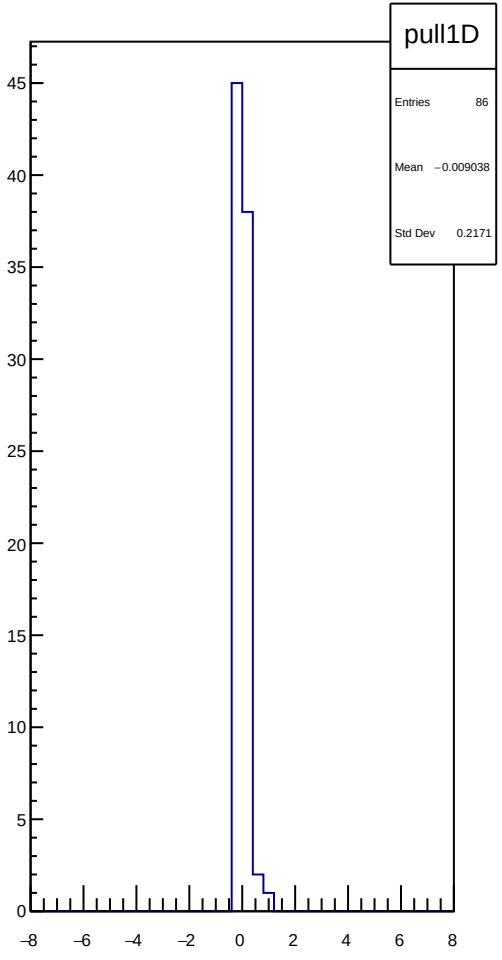

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 6.786 / 85
p0 −11.07 ± 1.355
pull
Entries 86
Mean 53.13
Std Dev 44.5
pull1D
Entries 86
Mean 0.01245
Std Dev 0.2806

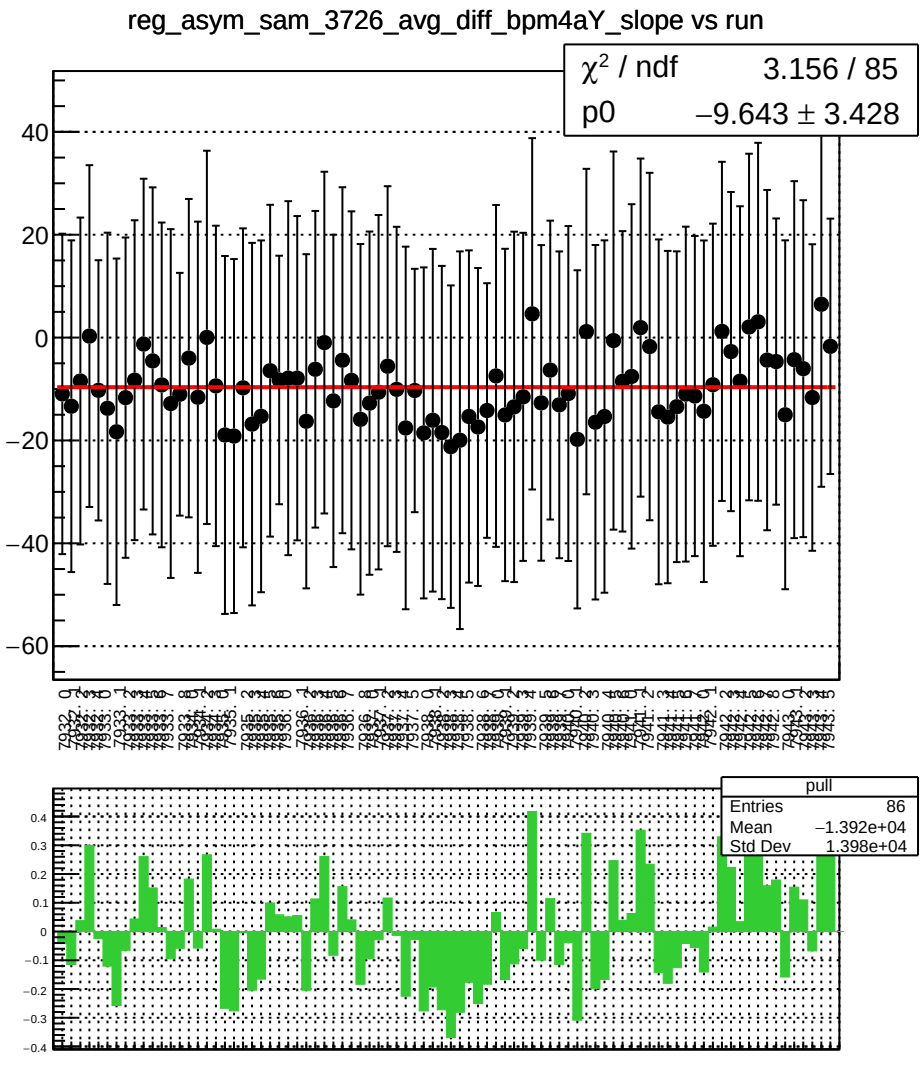

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.607 / 85
p0 12.17 ± 1.808
pull
Entries 86
Mean −133.3
Std Dev 129.1
pull1D
Entries 86
Mean −0.0009482
Std Dev 0.2315

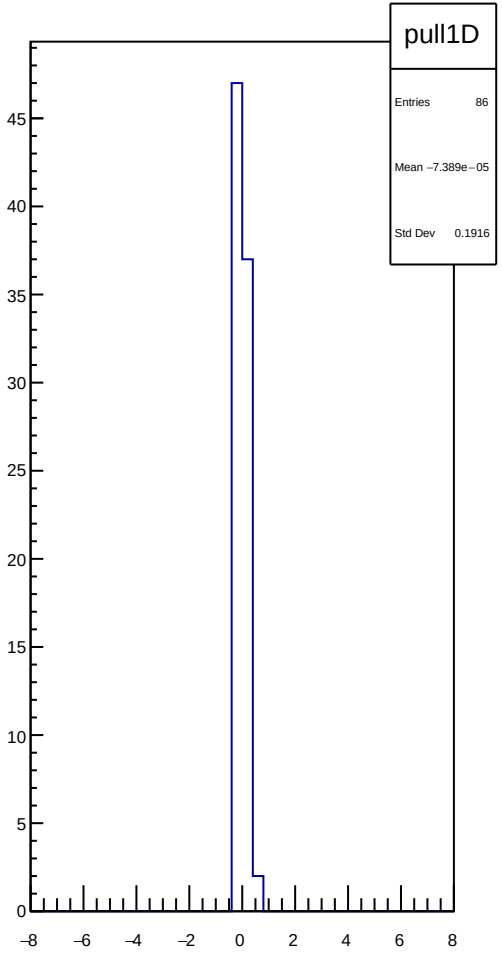

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 6.025 / 85
p0 0.2215 ± 0.05074
pull
Entries 86
Mean 1.927
Std Dev 104.6

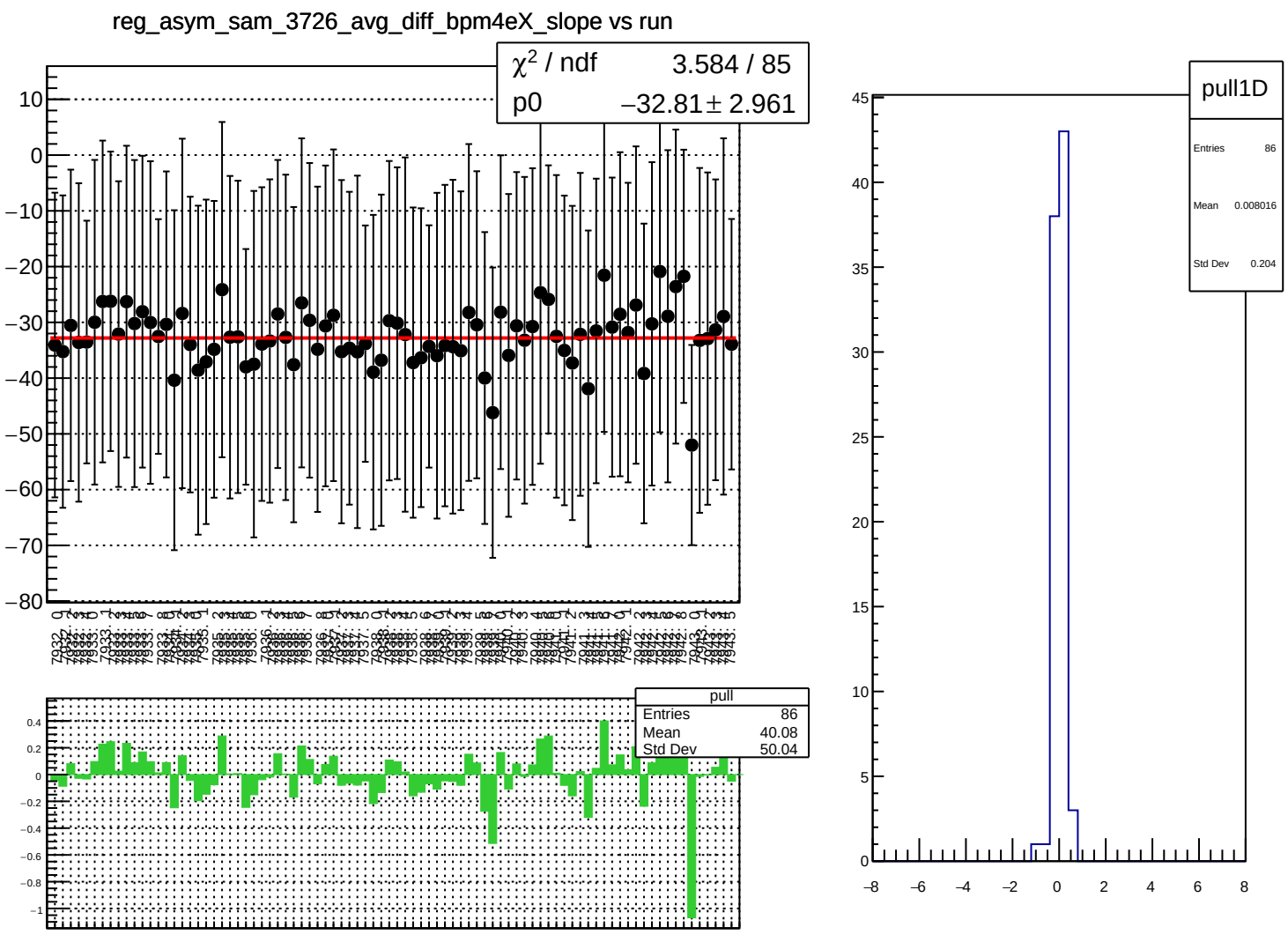

pull1D
Entries 86
Mean −0.004694
Std Dev 0.2646

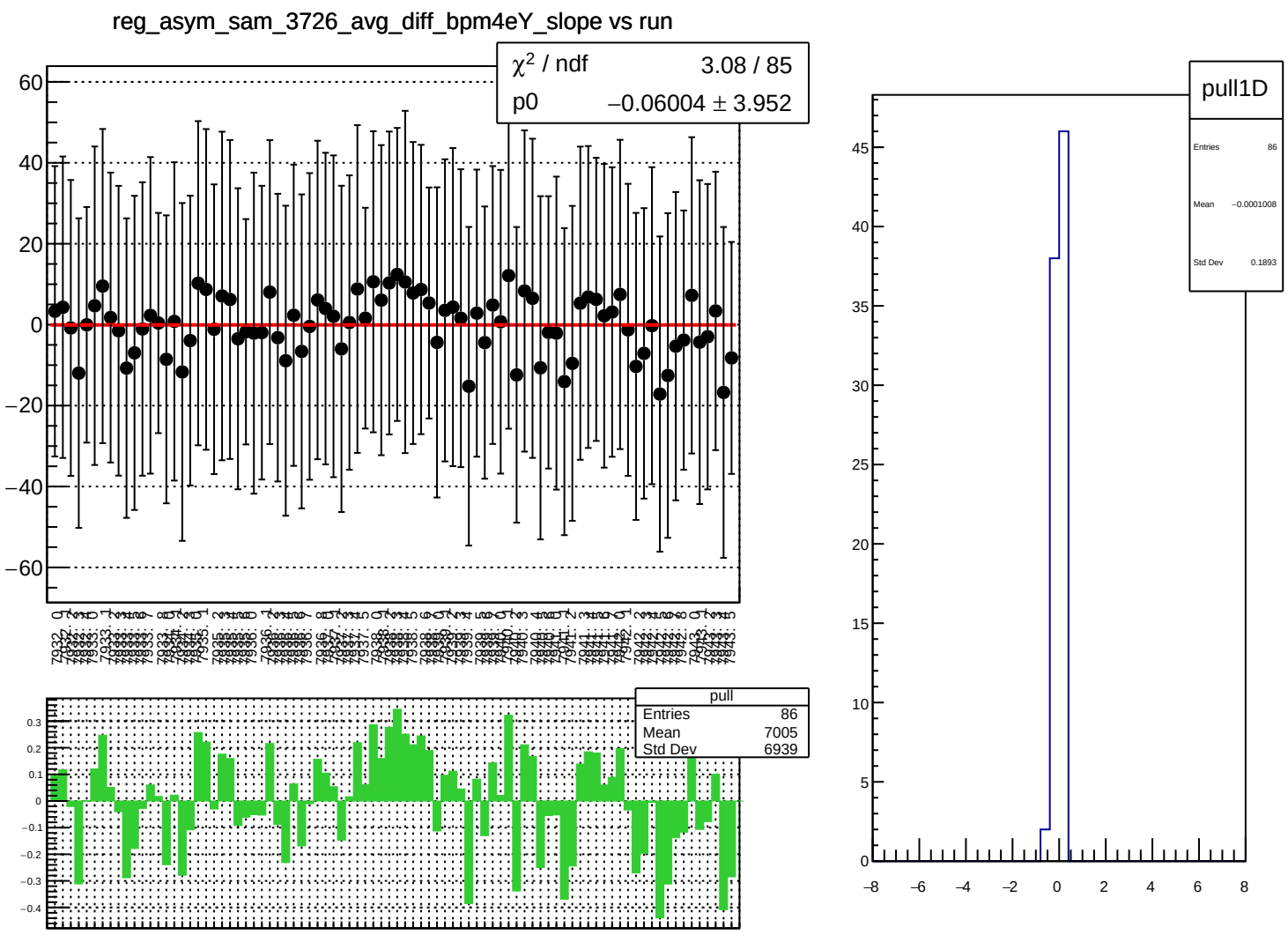

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 4.062 / 85
p0 −51.32 ± 3.292
pull
Entries 86
Mean −74.84
Std Dev 110.9

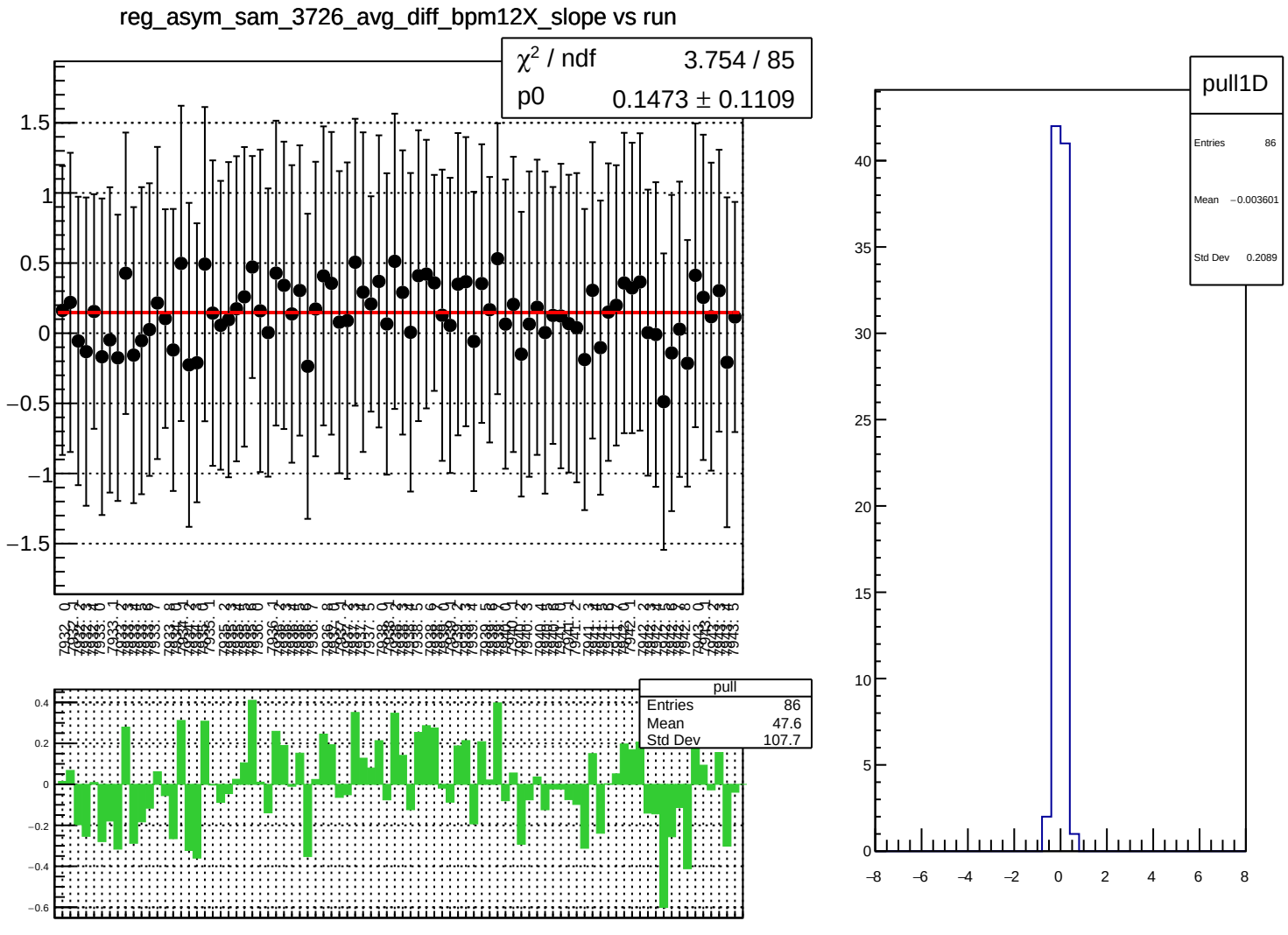

pull1D
Entries 86
Mean −0.009038
Std Dev 0.2171

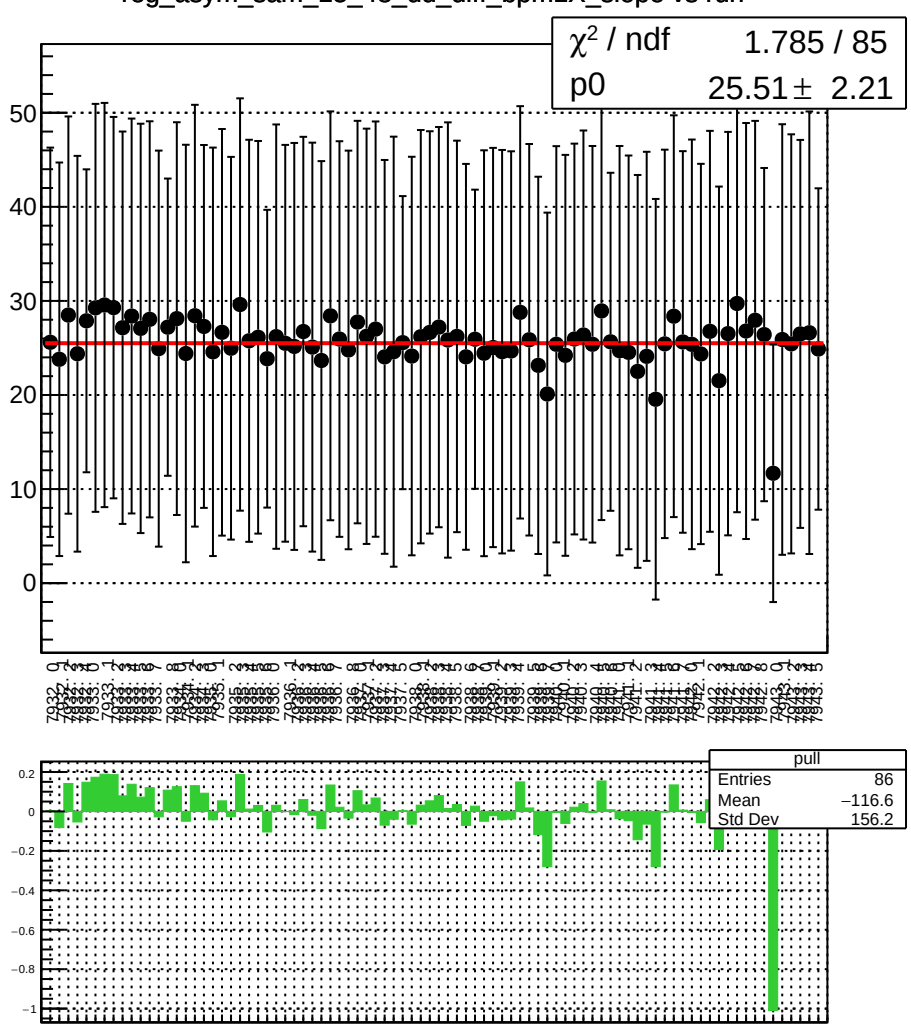

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.156 / 85
p0 −9.643 ± 3.428
pull
Entries 86
Mean −1.392e+04
Std Dev 1.398e+04

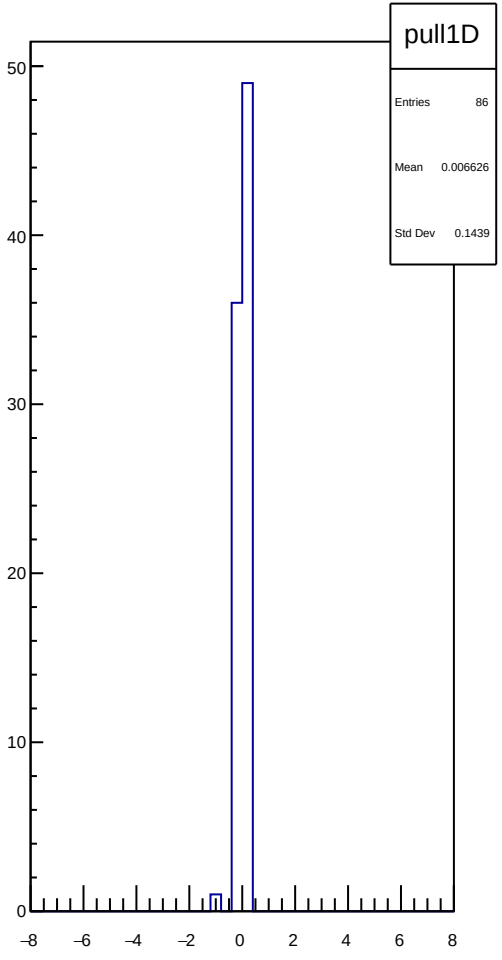

pull1D
Entries 86
Mean −7.389e−05
Std Dev 0.1916

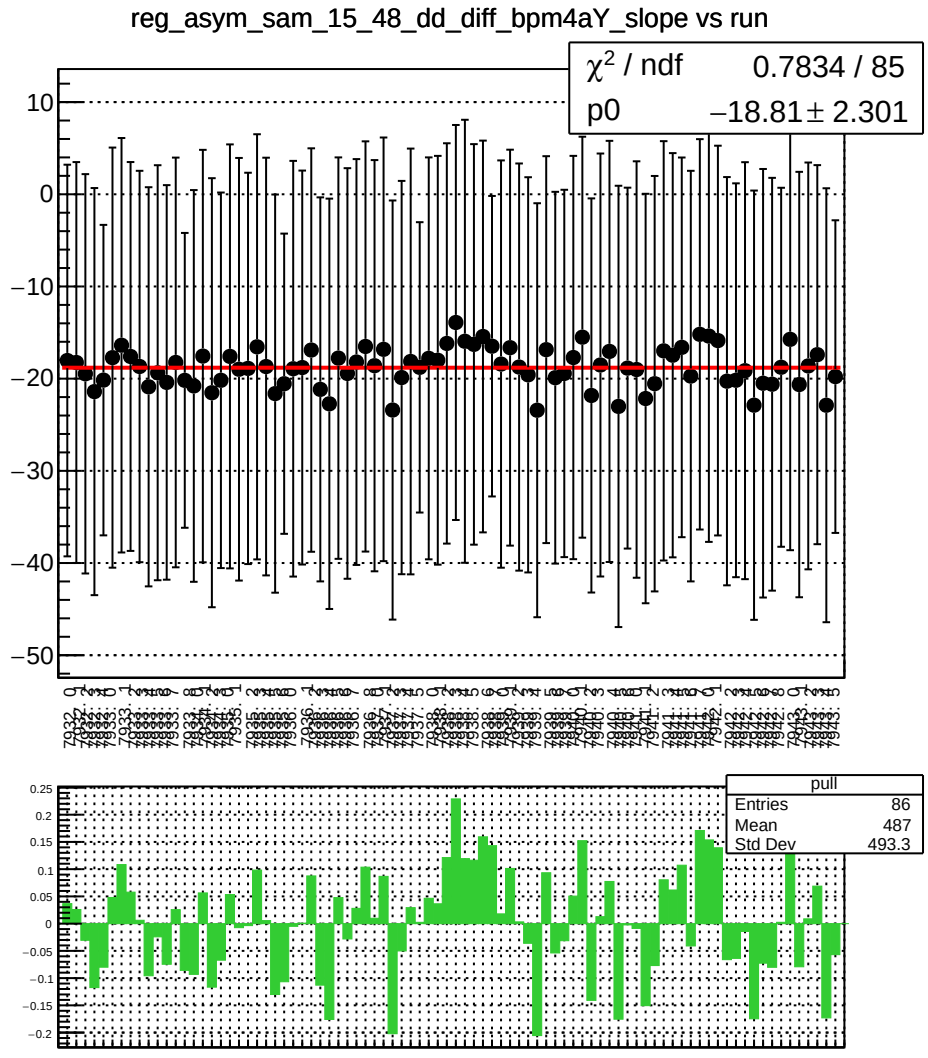

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.584 / 85
p0 −32.81 ± 2.961
pull
Entries 86
Mean 40.08
Std Dev 50.04
pull1D
Entries 86
Mean 0.008016
Std Dev 0.204

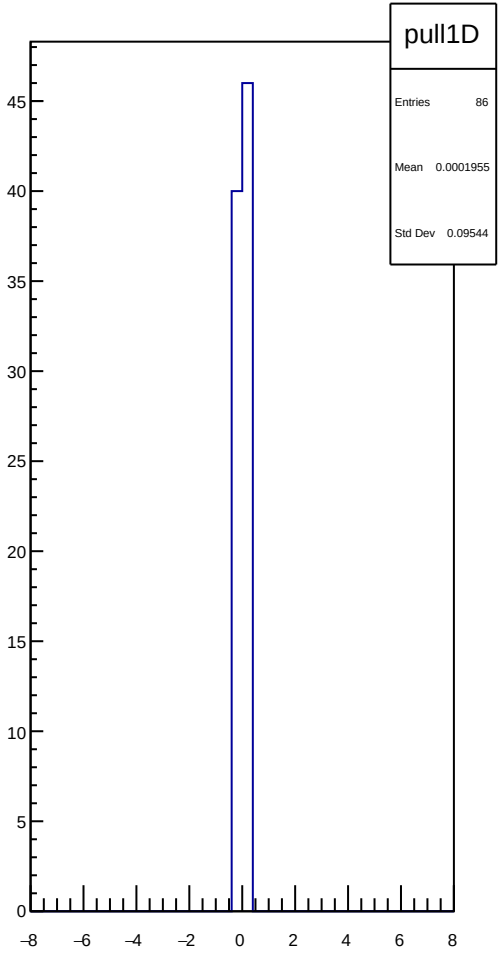

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.08 / 85
p0 −0.06004 ± 3.952
pull
Entries 86
Mean 7005
Std Dev 6939
pull1D
Entries 86
Mean −0.0001008
Std Dev 0.1893

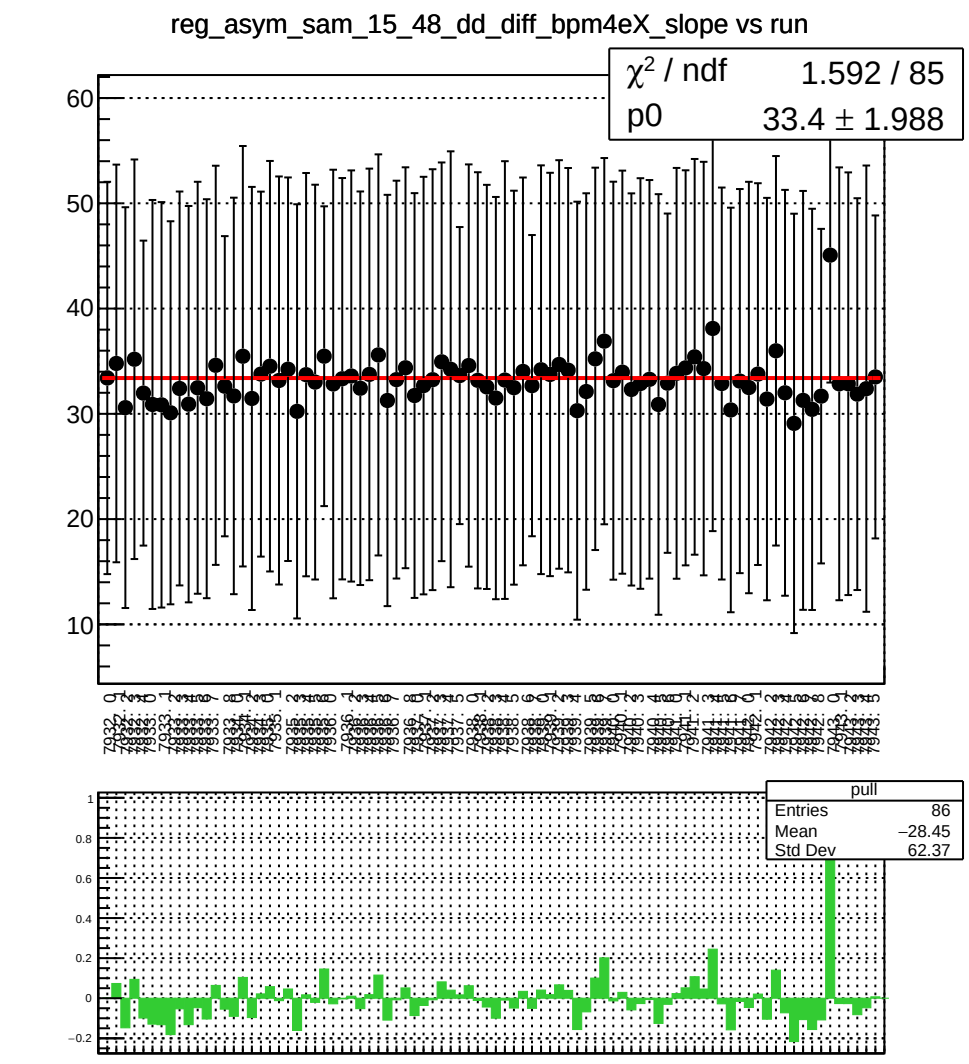

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 3.754 / 85
p0 0.1473 ± 0.1109
pull
Entries 86
Mean 47.6
Std Dev 107.7
pull1D
Entries 86
Mean −0.003601
Std Dev 0.2089

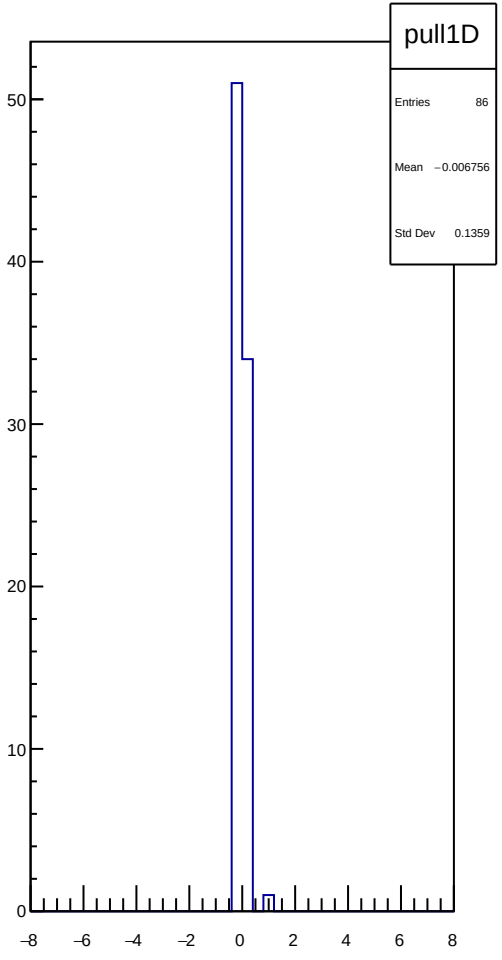

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.785 / 85
p0 25.51 ± 2.21
pull
Entries 86
Mean −116.6
Std Dev 156.2

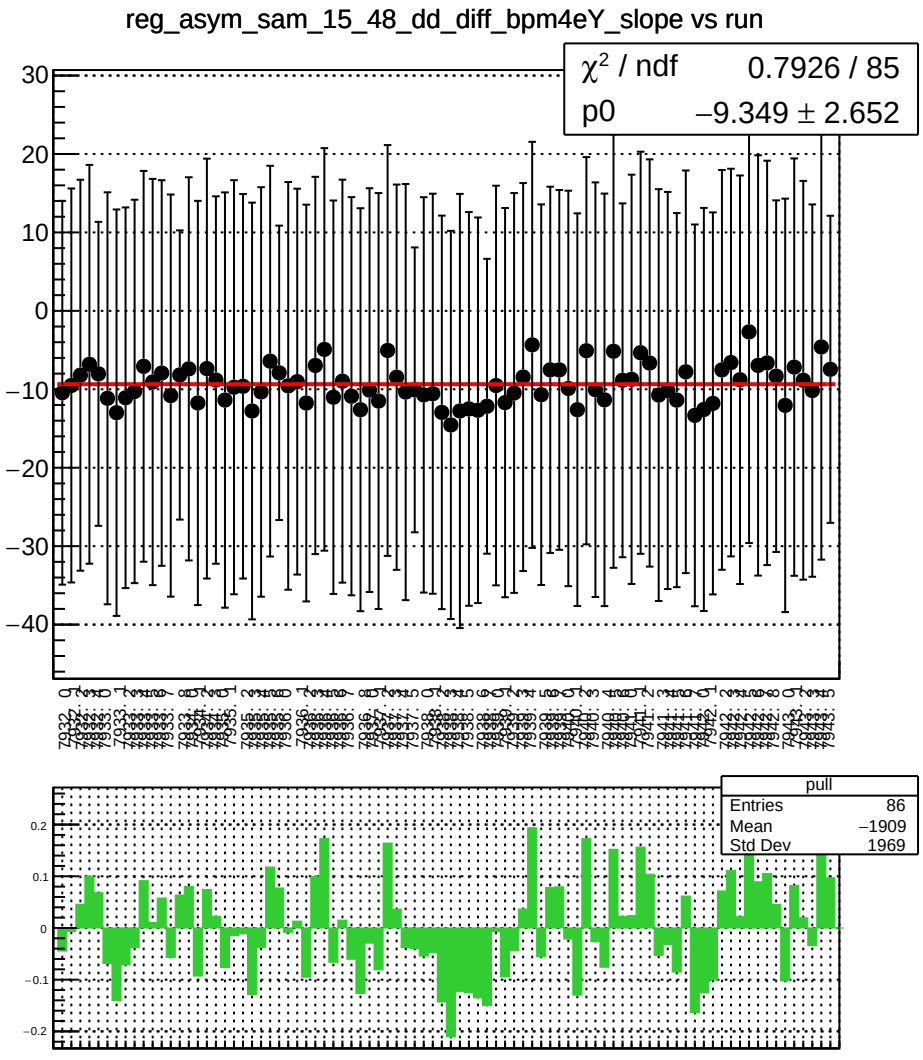

pull1D
Entries 86
Mean 0.006626
Std Dev 0.1439

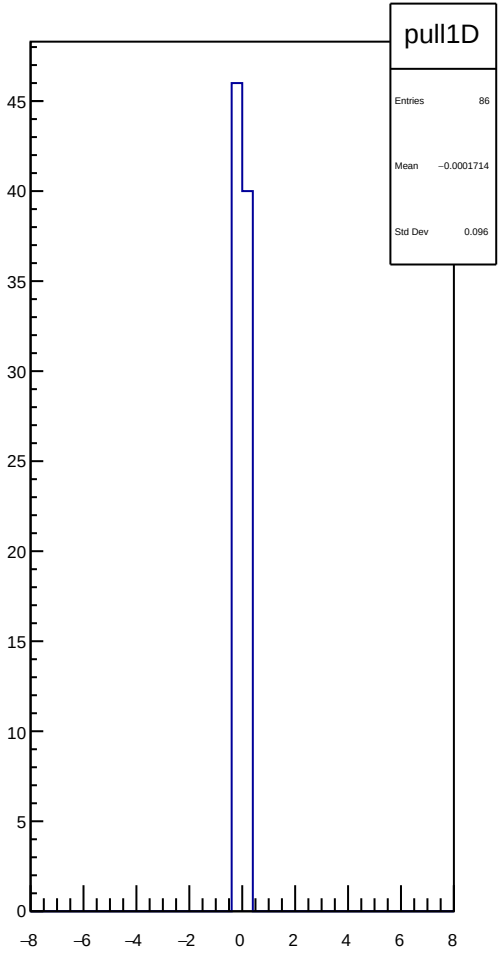

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.7834 / 85
p0 −18.81 ± 2.301
pull
Entries 86
Mean 487
Std Dev 493.3

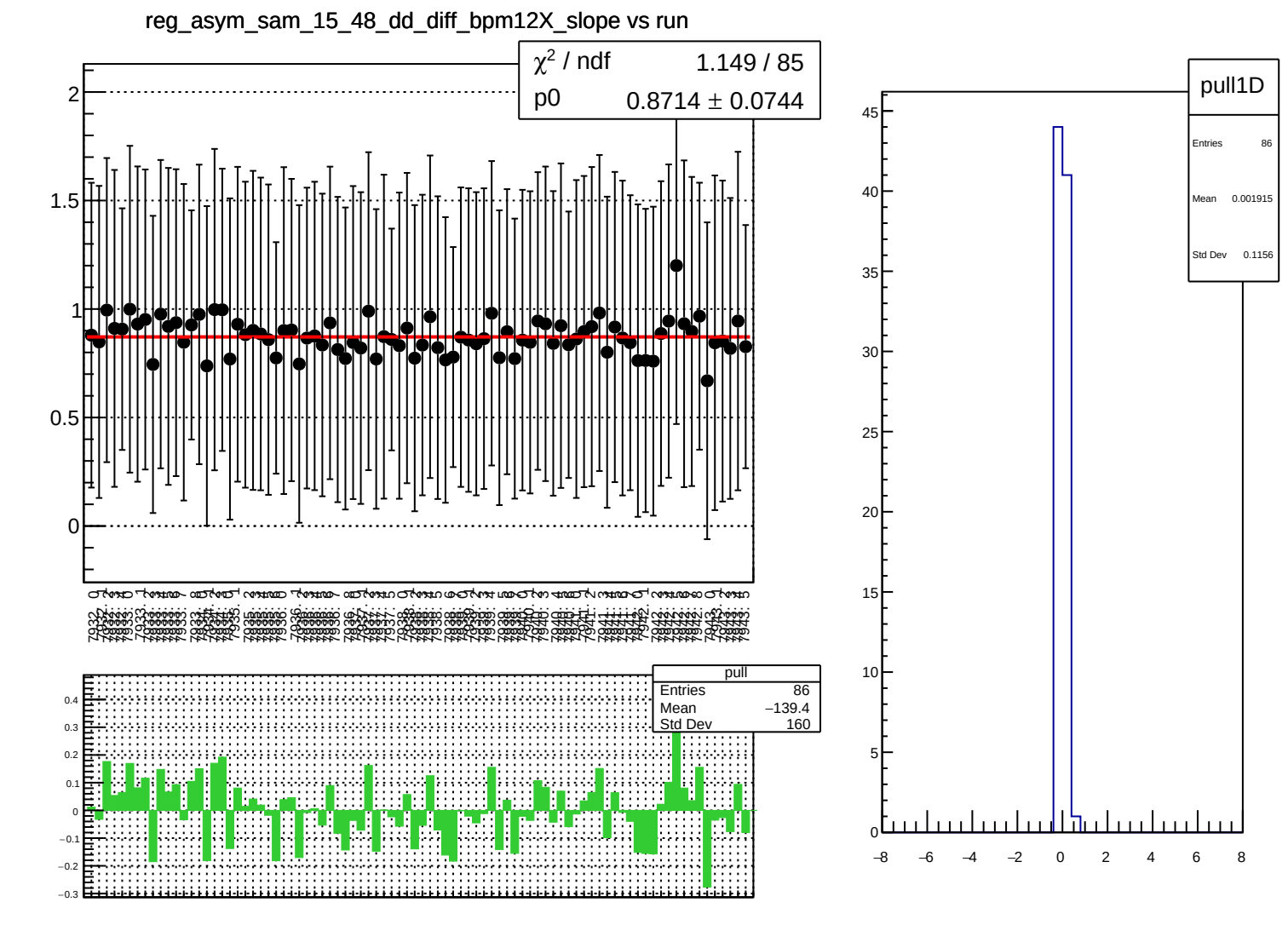

pull1D
Entries 86
Mean 0.0001955
Std Dev 0.09544

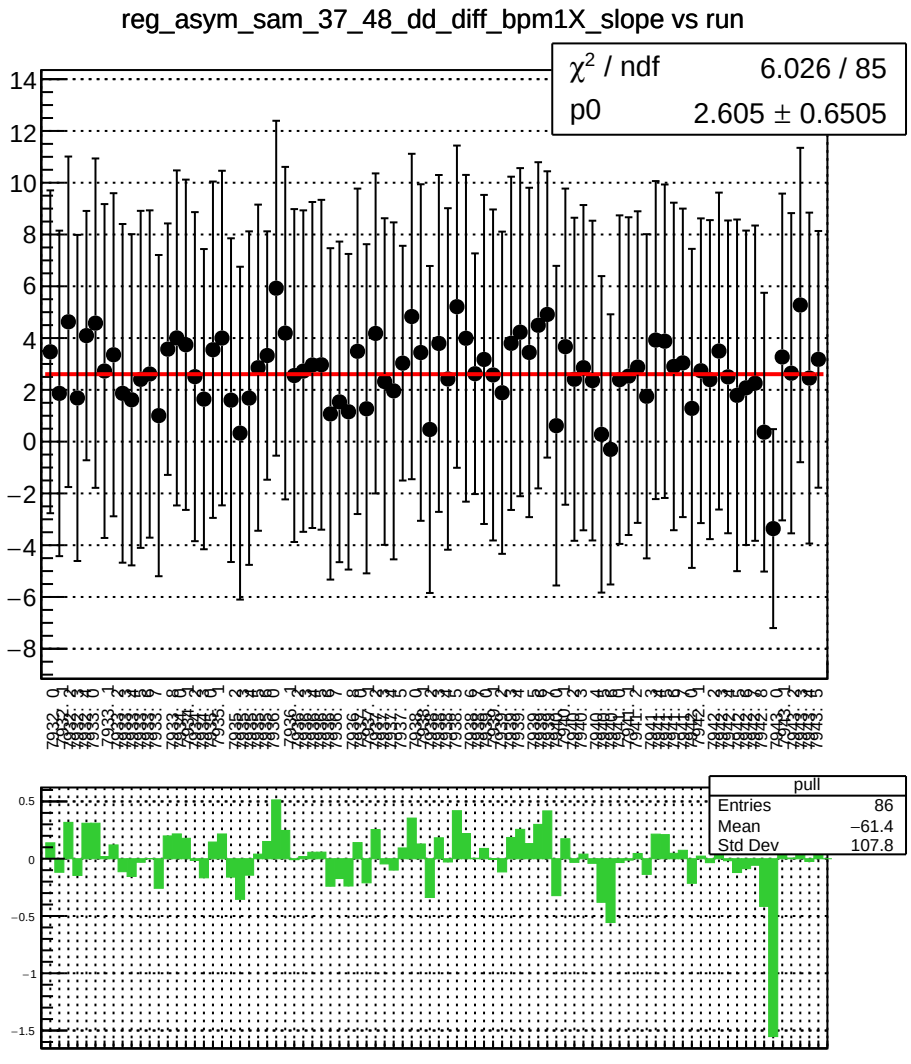

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.592 / 85
p0 33.4 ± 1.988
pull
Entries 86
Mean −28.45
Std Dev 62.37

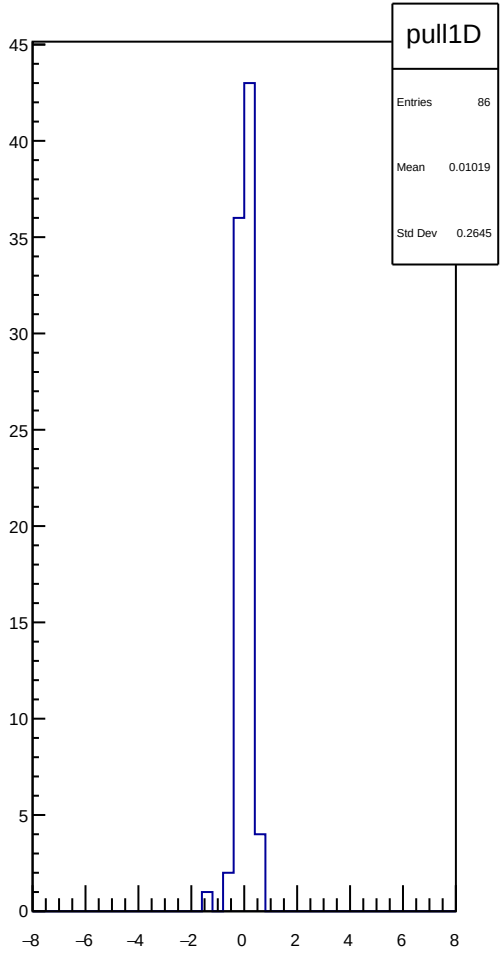

pull1D
Entries 86
Mean −0.006756
Std Dev 0.1359

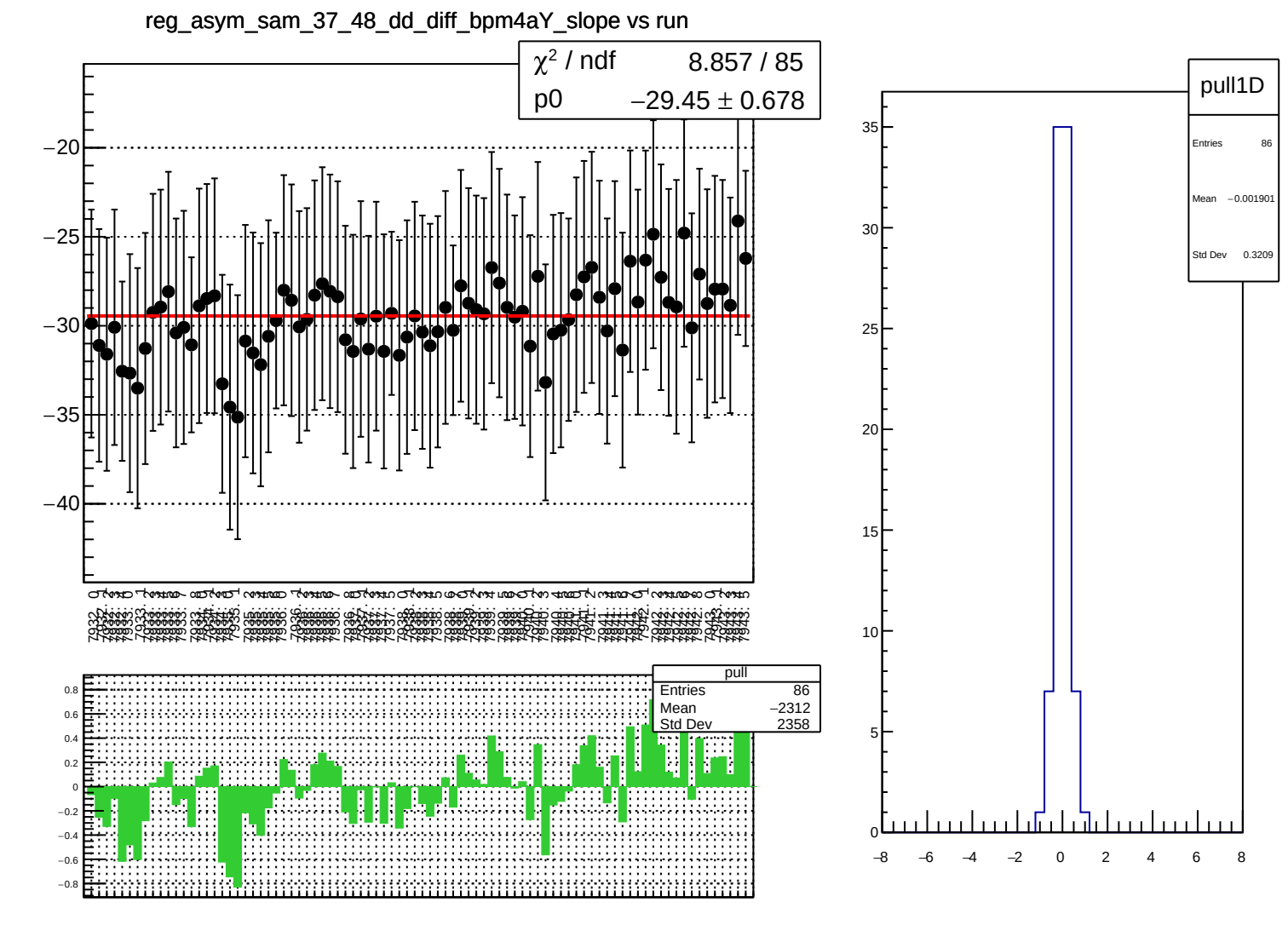

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.7926 / 85
p0 −9.349 ± 2.652
pull
Entries 86
Mean −1909
Std Dev 1969

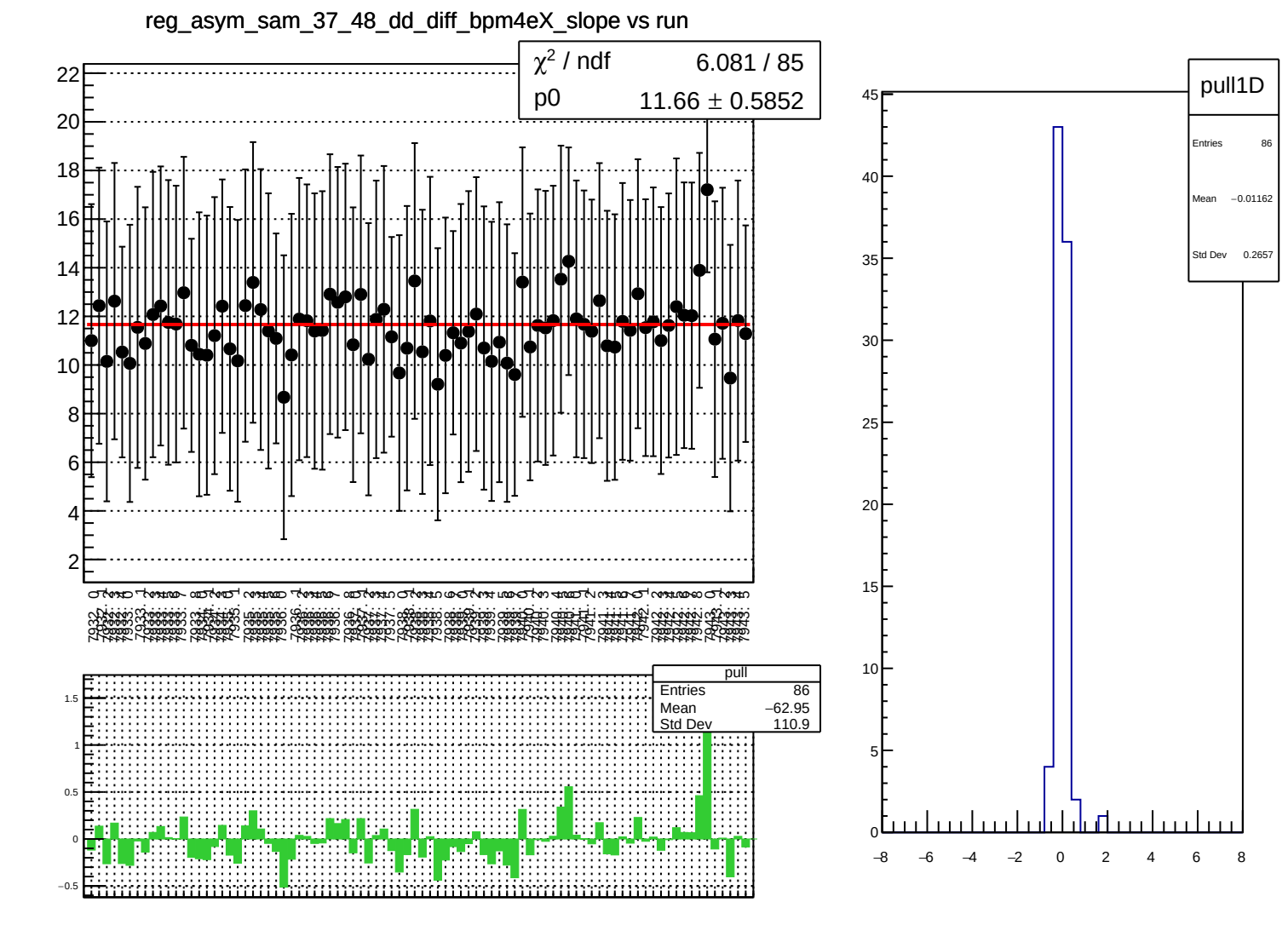

pull1D
Entries 86
Mean −0.0001714
Std Dev 0.096

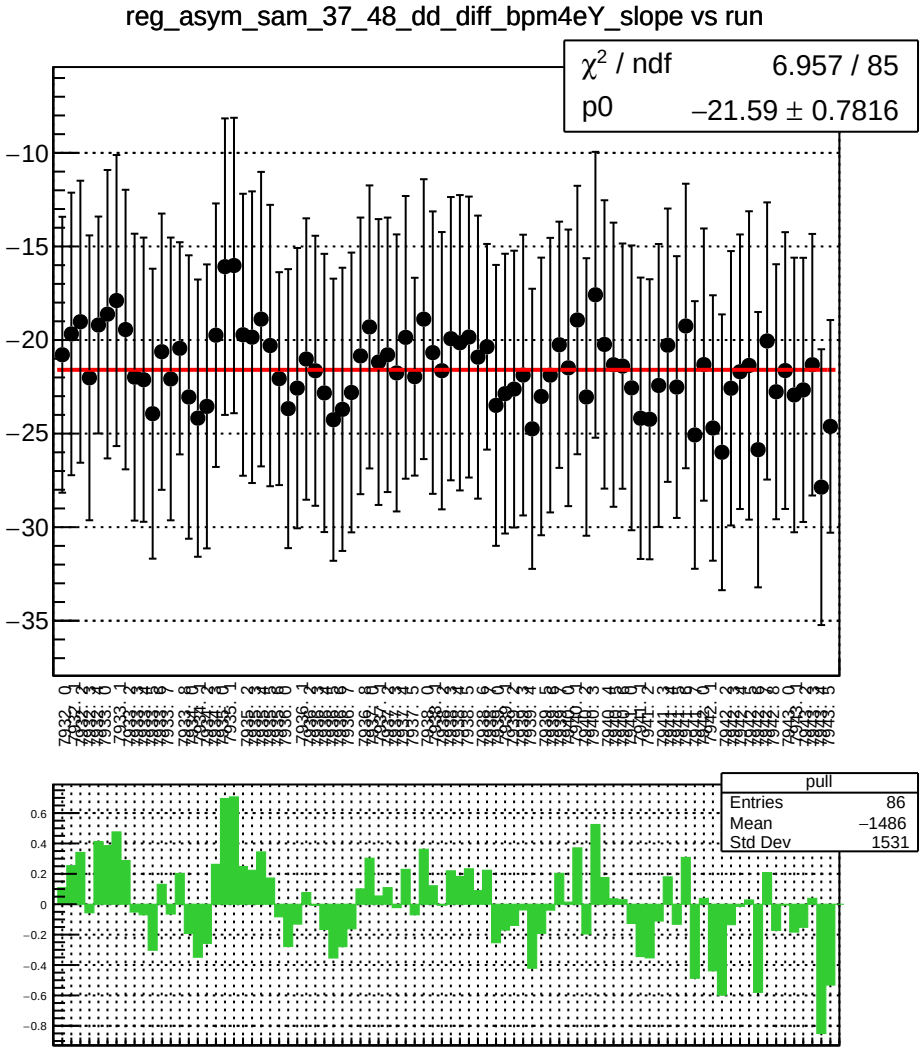

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.149 / 85
p0 0.8714 ± 0.0744
pull
Entries 86
Mean −139.4
Std Dev 160
pull1D
Entries 86
Mean 0.001915
Std Dev 0.1156

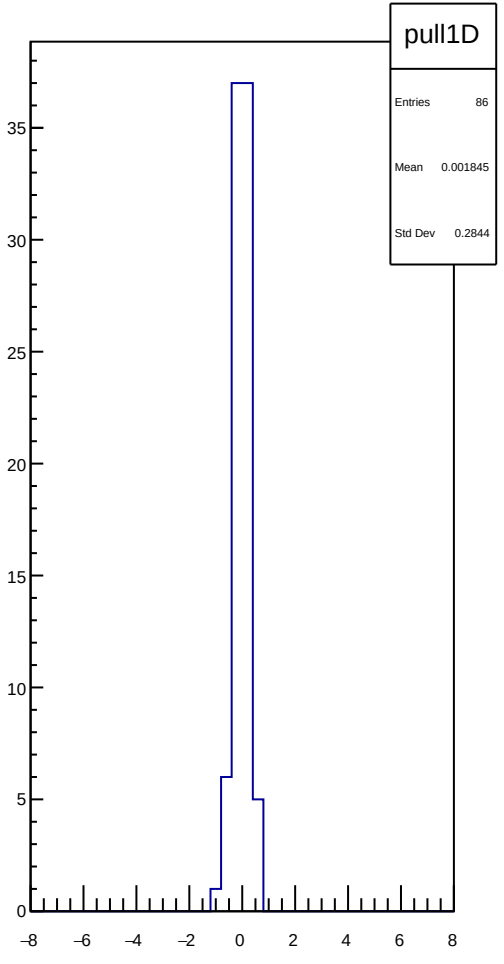

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 6.026 / 85
p0 2.605 ± 0.6505
pull
Entries 86
Mean −61.4
Std Dev 107.8

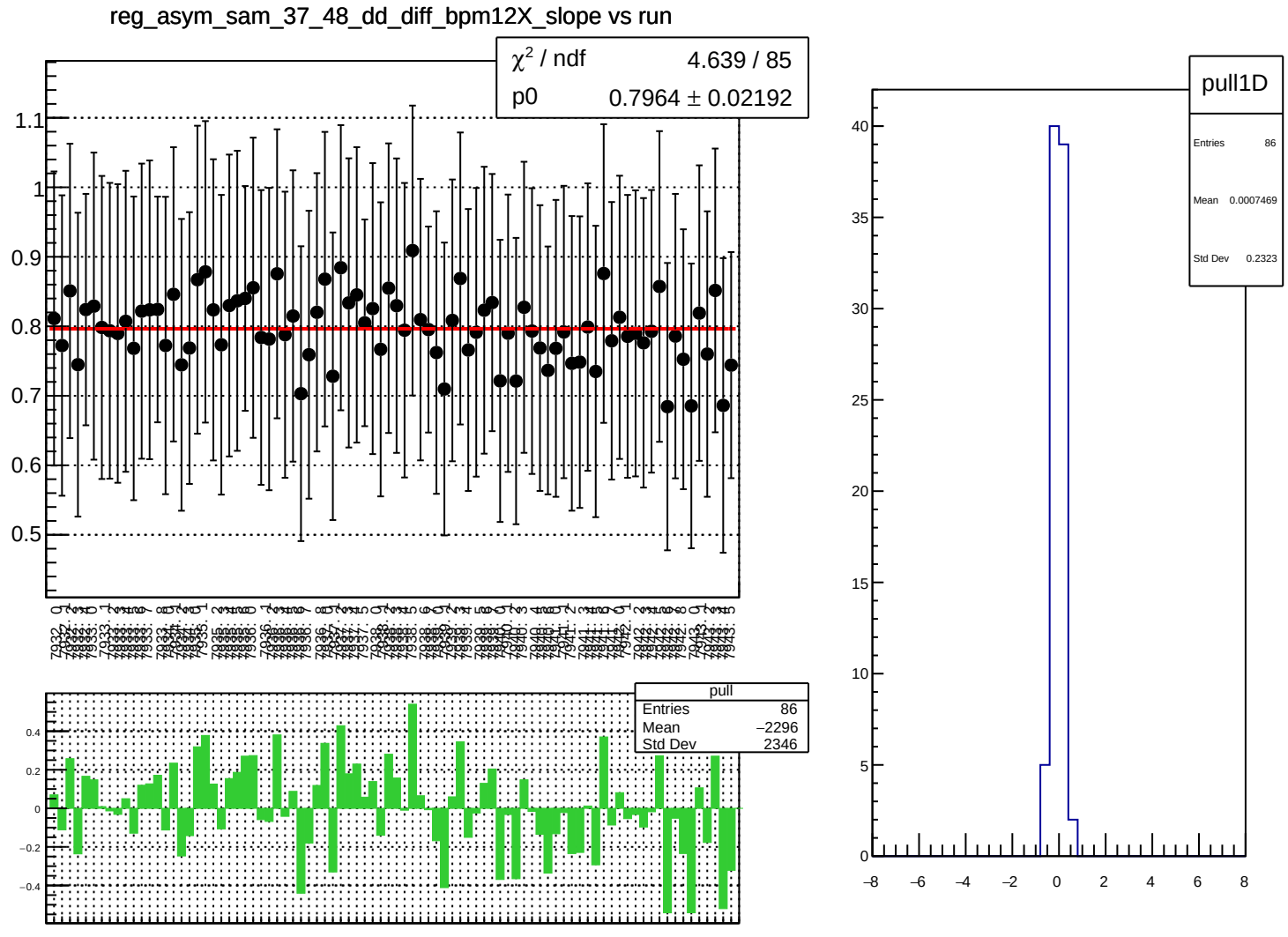

pull1D
Entries 86
Mean 0.01019
Std Dev 0.2645

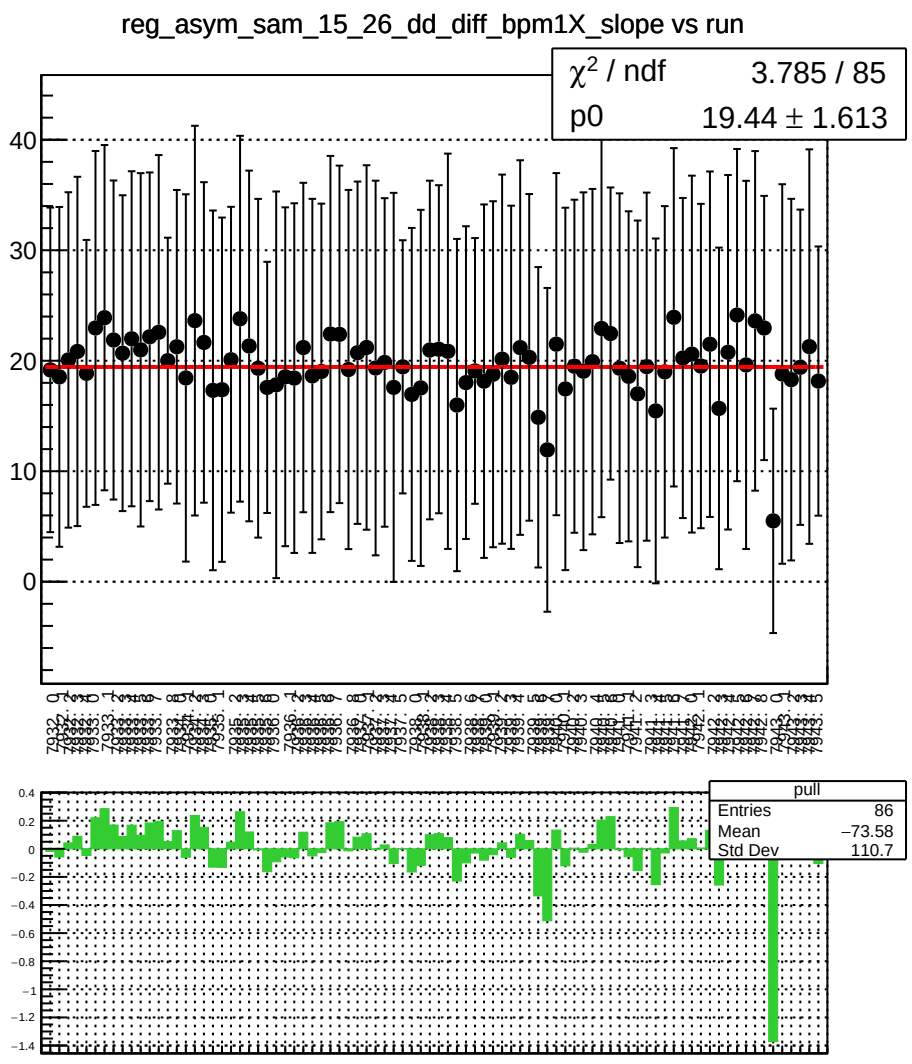

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.857 / 85
p0 −29.45 ± 0.678
pull
Entries 86
Mean −2312
Std Dev 2358
pull1D
Entries 86
Mean −0.001901
Std Dev 0.3209

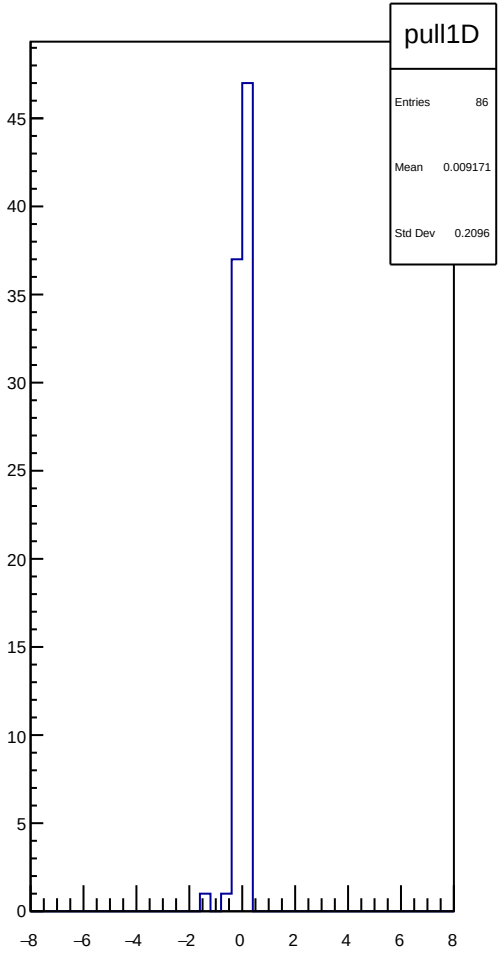

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 6.081 / 85
p0 11.66 ± 0.5852
pull
Entries 86
Mean −62.95
Std Dev 110.9
pull1D
Entries 86
Mean −0.01162
Std Dev 0.2657

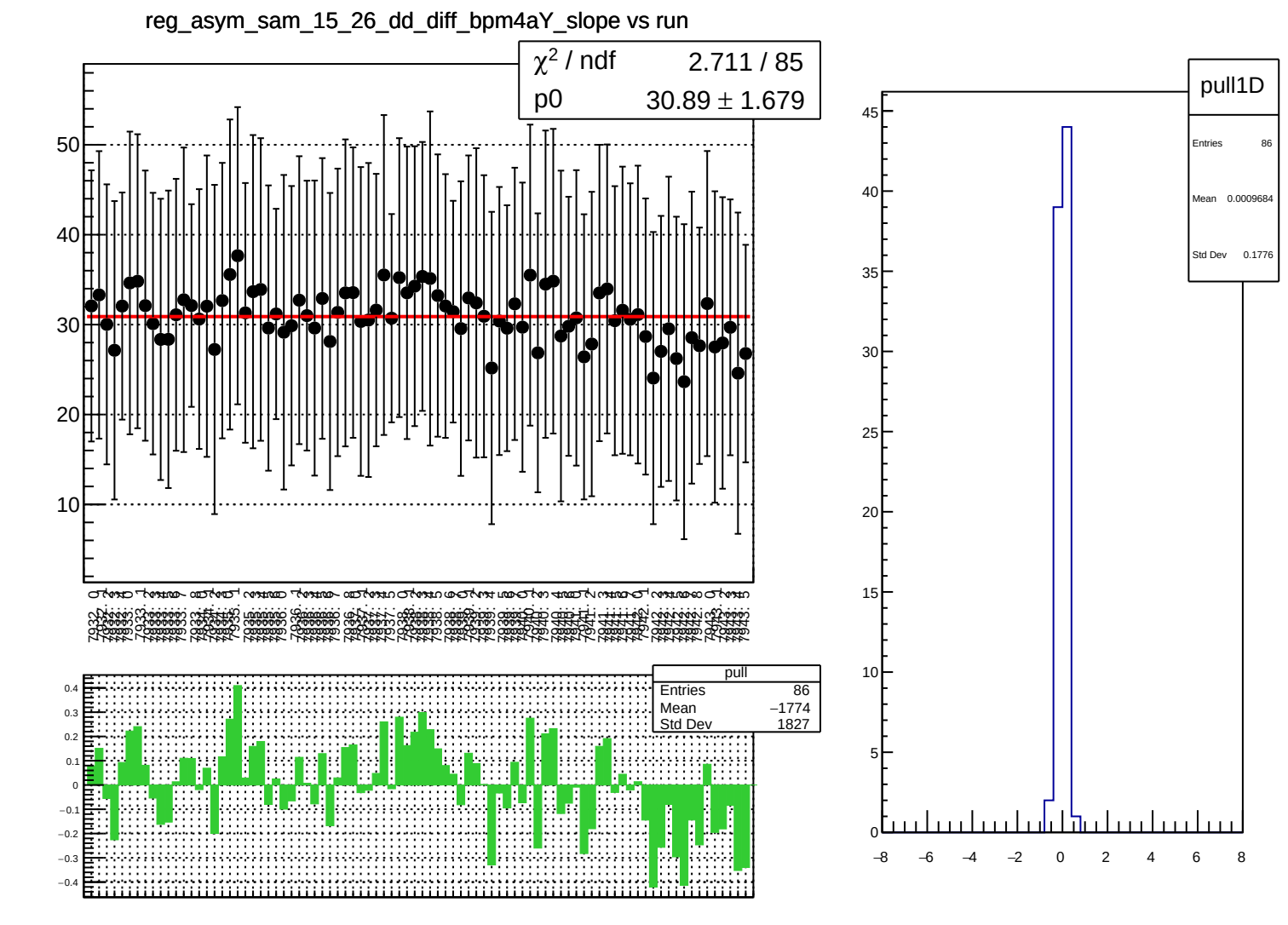

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.957 / 85
p0 −21.59 ± 0.7816
pull
Entries 86
Mean −1486
Std Dev 1531

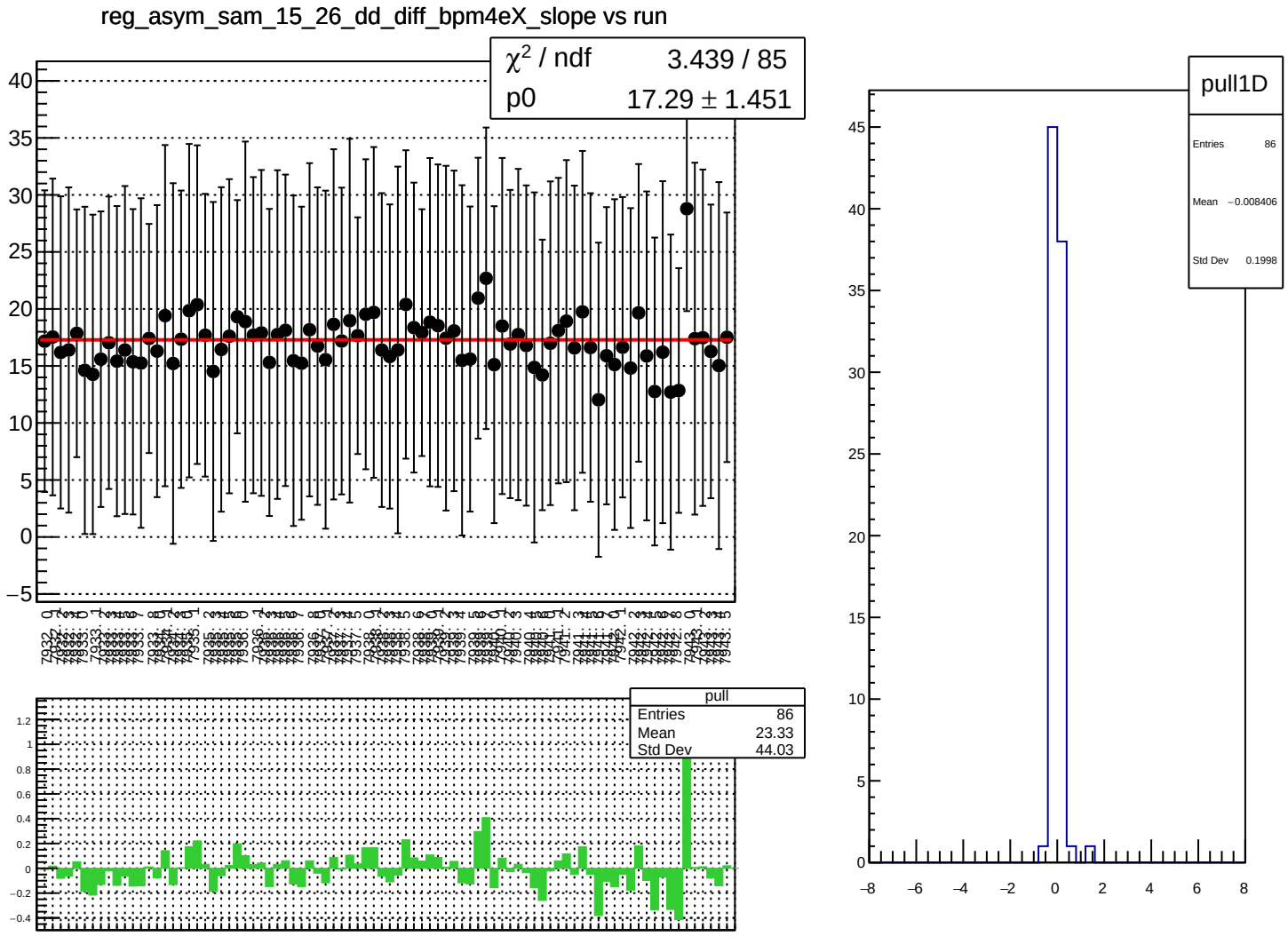

pull1D
Entries 86
Mean 0.001845
Std Dev 0.2844

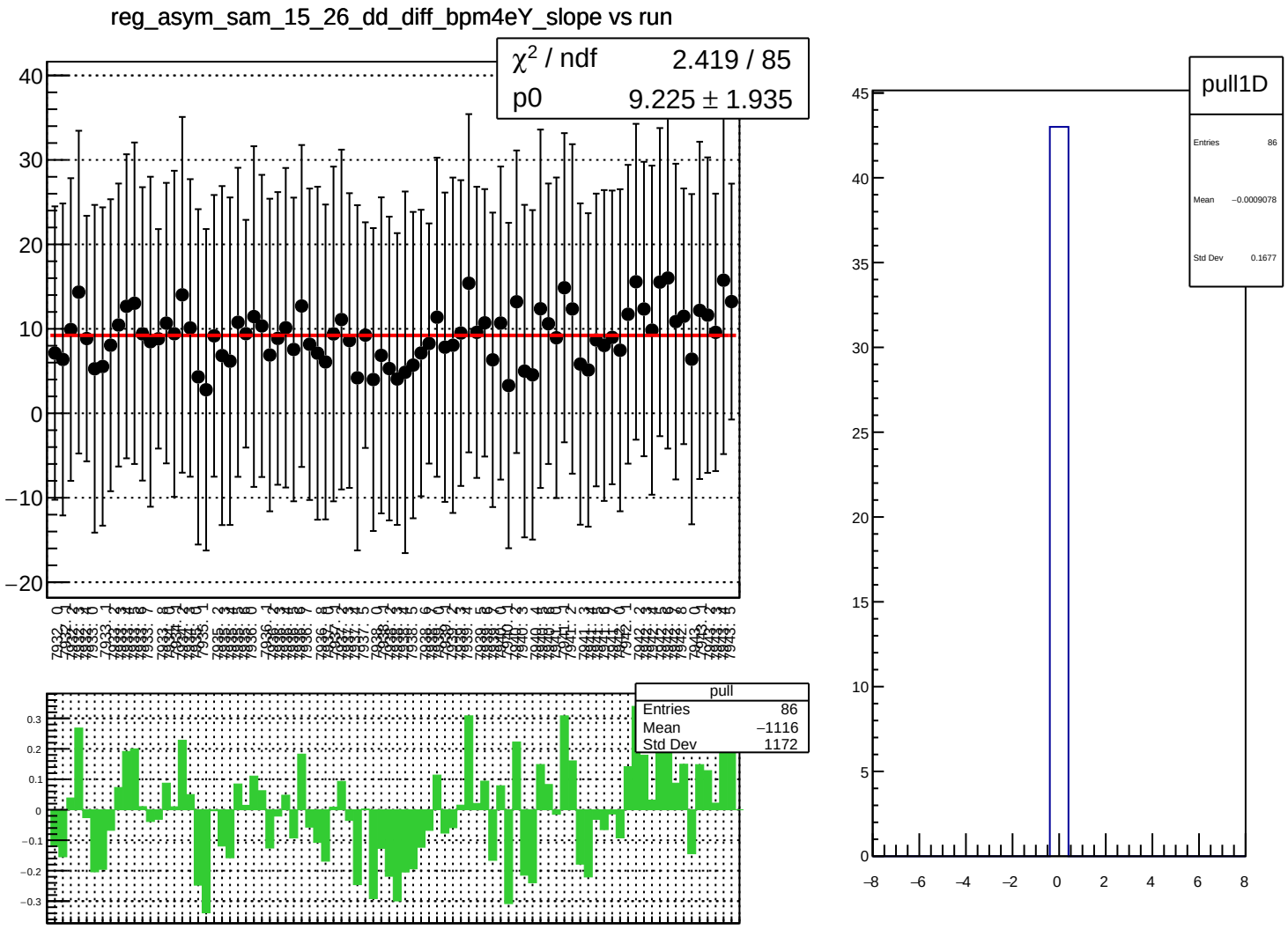

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 4.639 / 85
p0 0.7964 ± 0.02192
pull
Entries 86
Mean −2296
Std Dev 2346
pull1D
Entries 86
Mean 0.0007469
Std Dev 0.2323

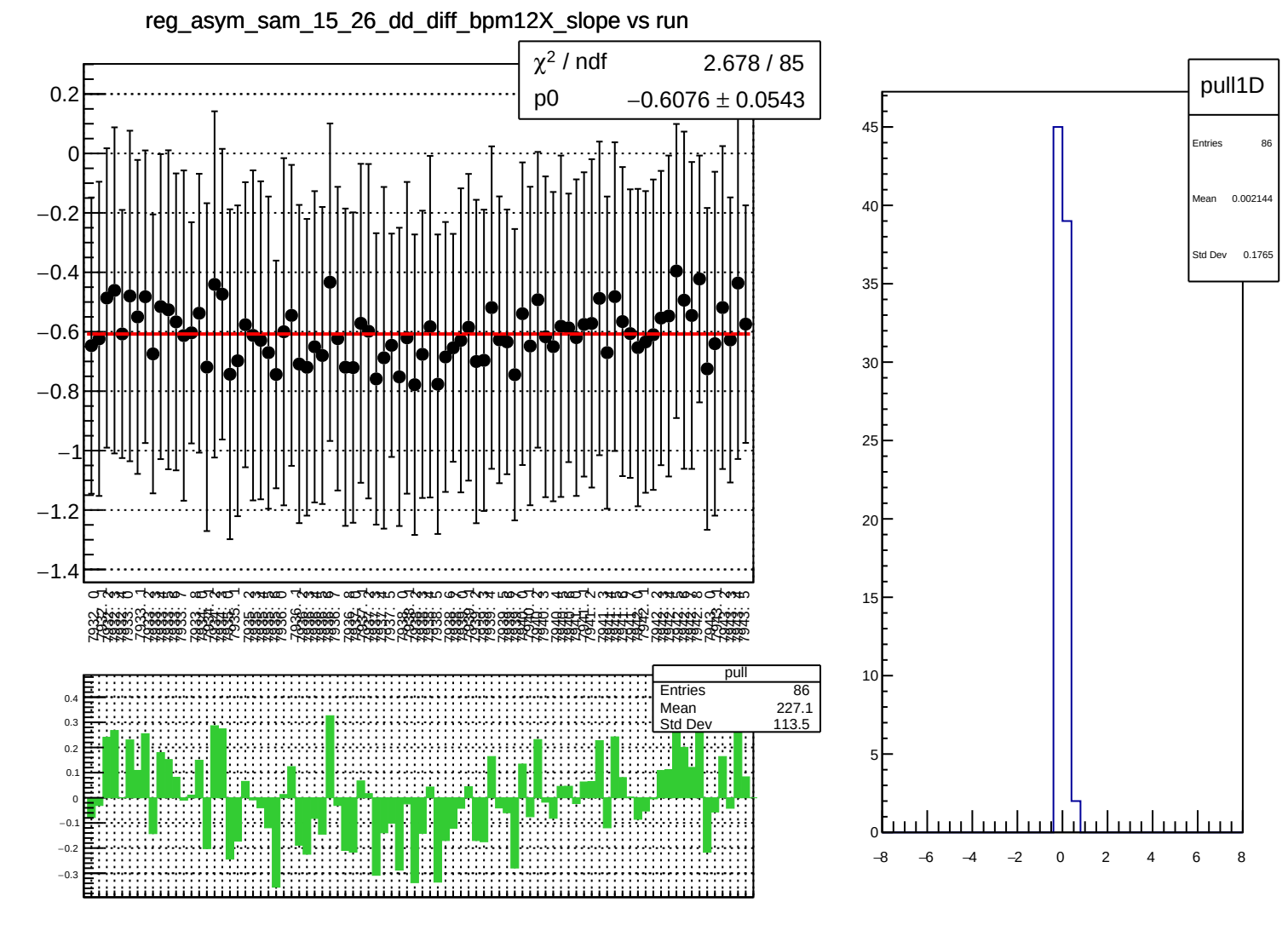

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 3.785 / 85
p0 19.44 ± 1.613
pull
Entries 86
Mean −73.58
Std Dev 110.7

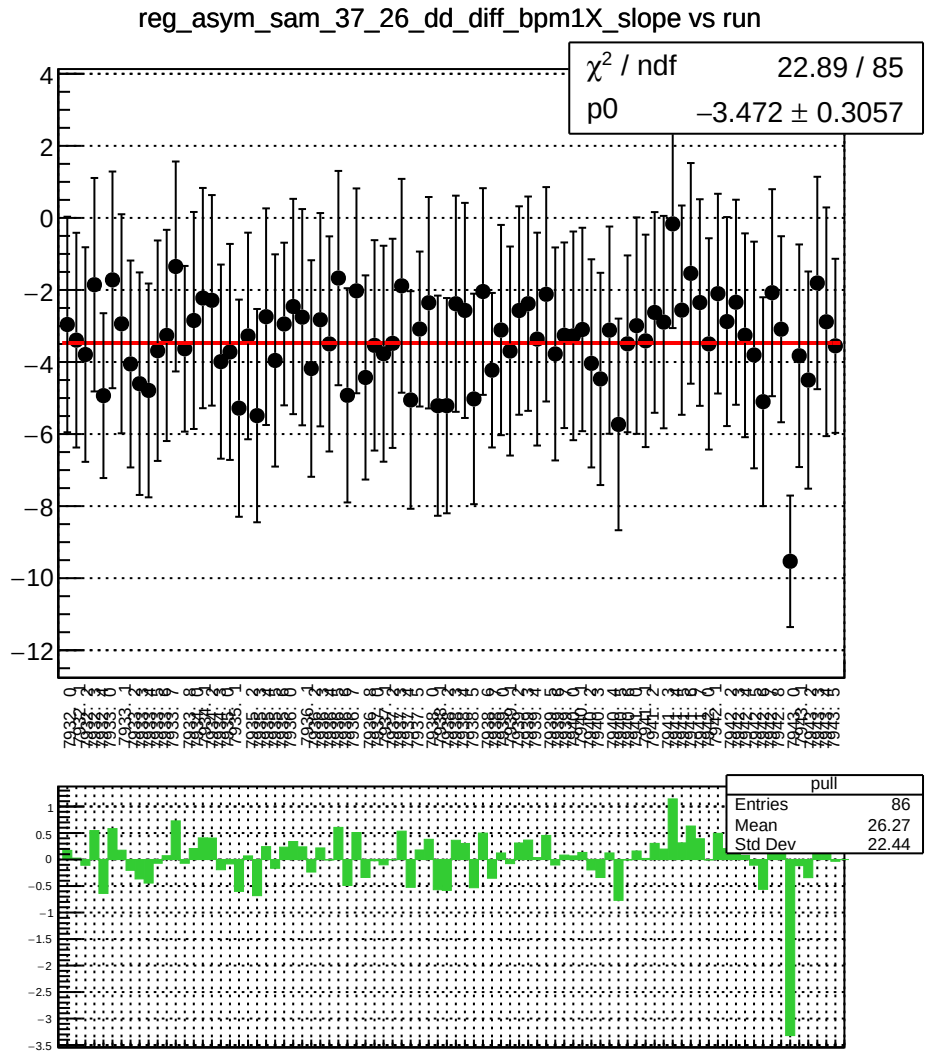

pull1D
Entries 86
Mean 0.009171
Std Dev 0.2096

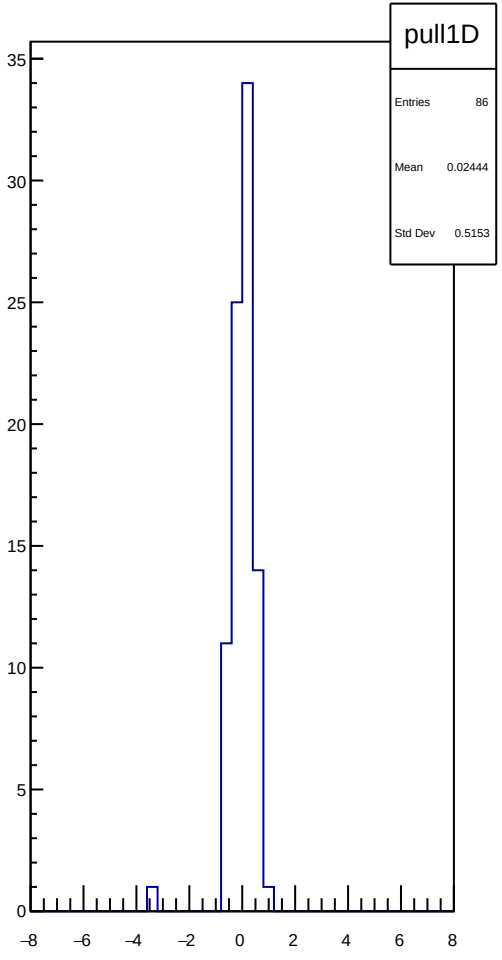

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.711 / 85
p0 30.89 ± 1.679
pull
Entries 86
Mean −1774
Std Dev 1827
pull1D
Entries 86
Mean 0.0009684
Std Dev 0.1776

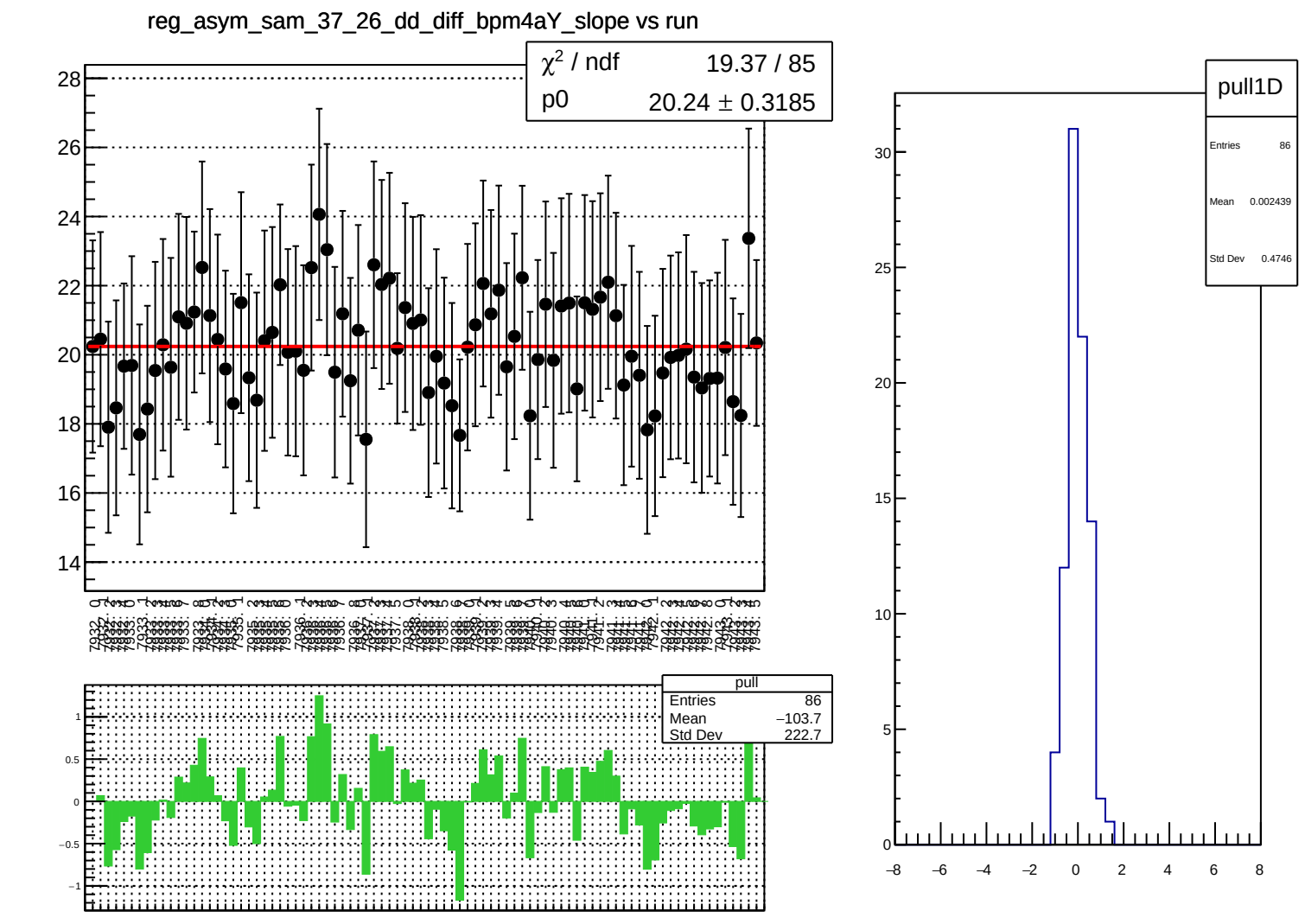

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.439 / 85
p0 17.29 ± 1.451
pull
Entries 86
Mean 23.33
Std Dev 44.03
pull1D
Entries 86
Mean −0.008406
Std Dev 0.1998

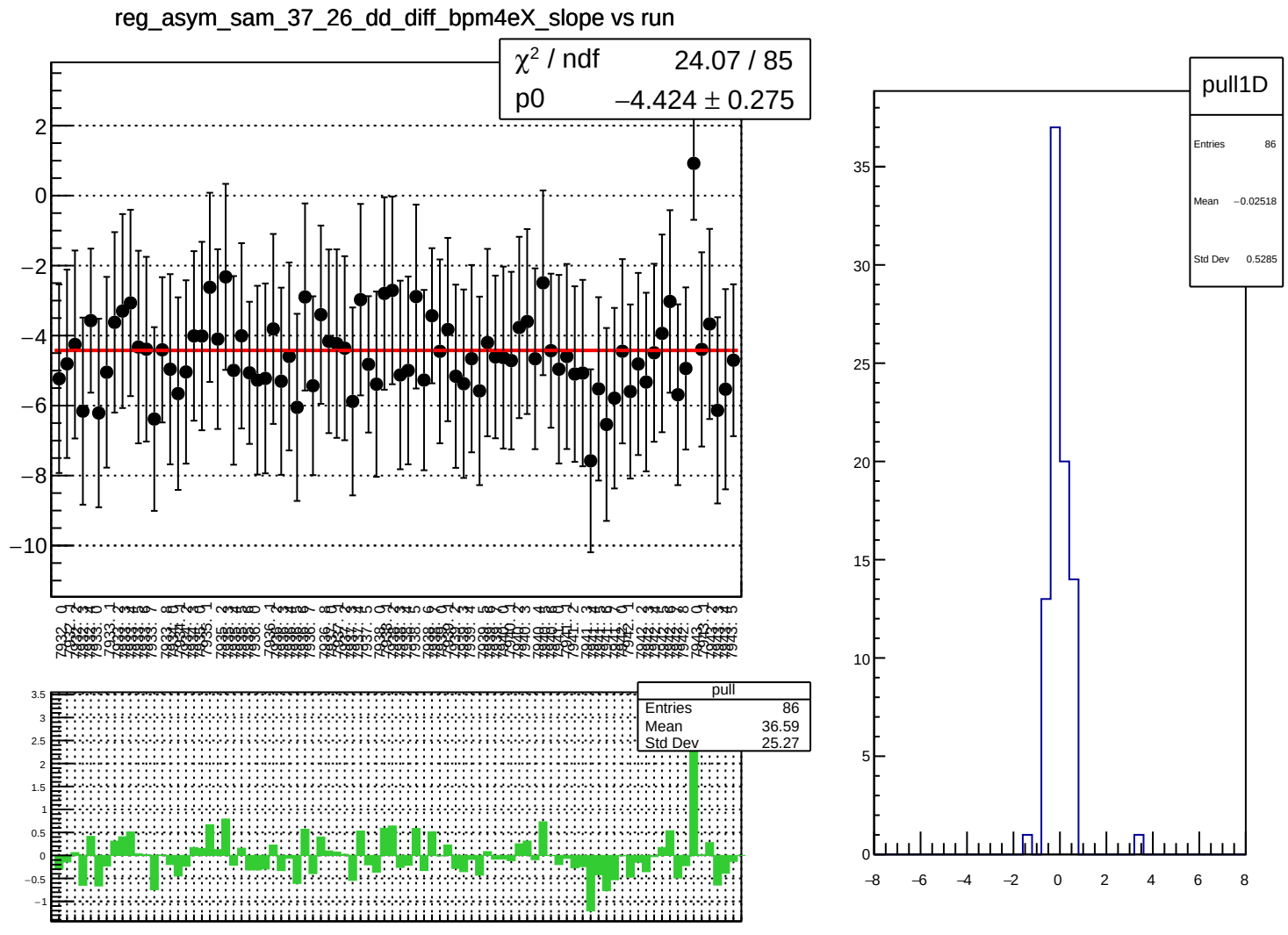

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.419 / 85
p0 9.225 ± 1.935
pull
Entries 86
Mean −1116
Std Dev 1172
pull1D
Entries 86
Mean −0.0009078
Std Dev 0.1677

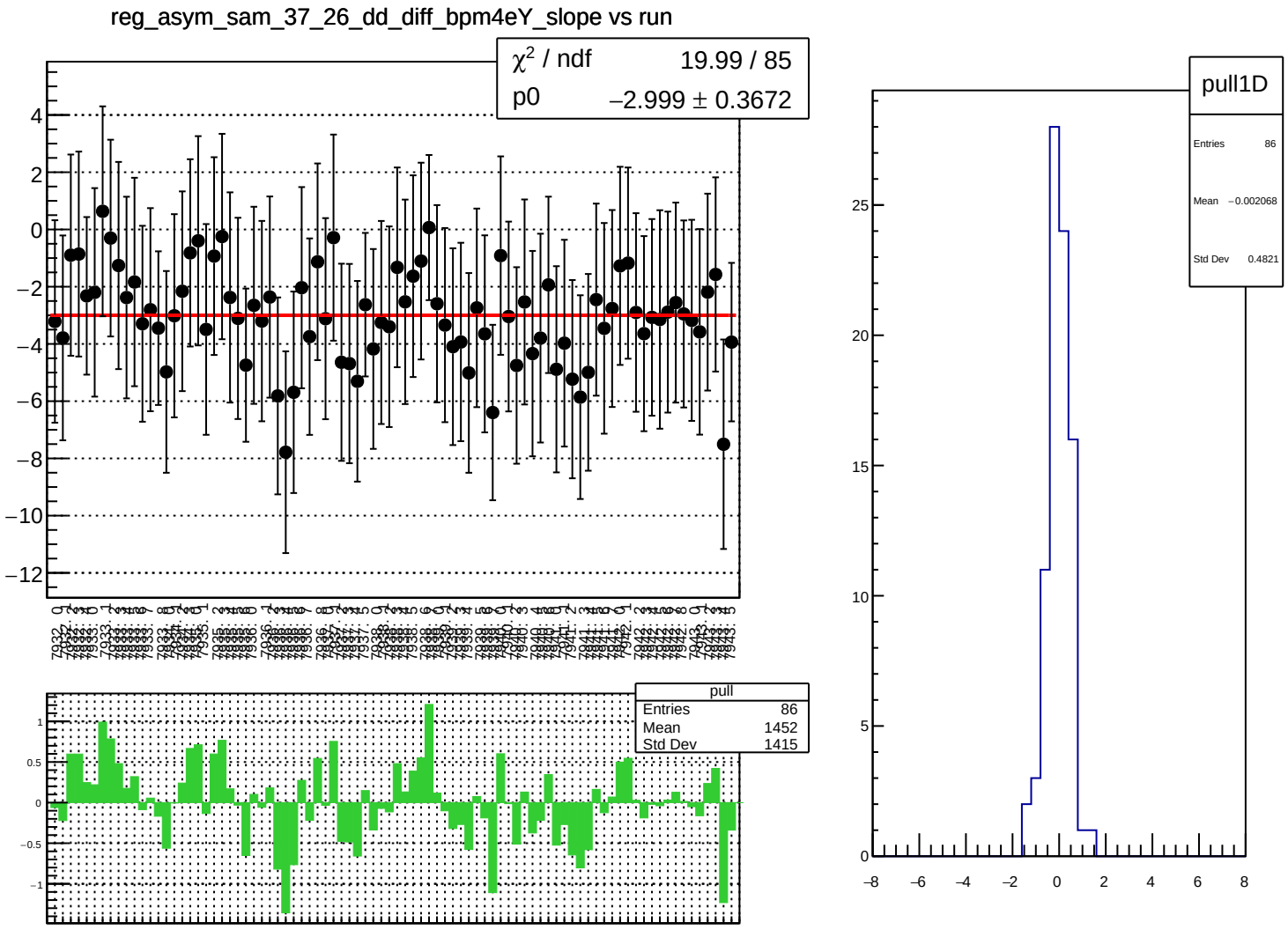

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 2.678 / 85
p0 −0.6076 ± 0.0543
pull
Entries 86
Mean 227.1
Std Dev 113.5
pull1D
Entries 86
Mean 0.002144
Std Dev 0.1765

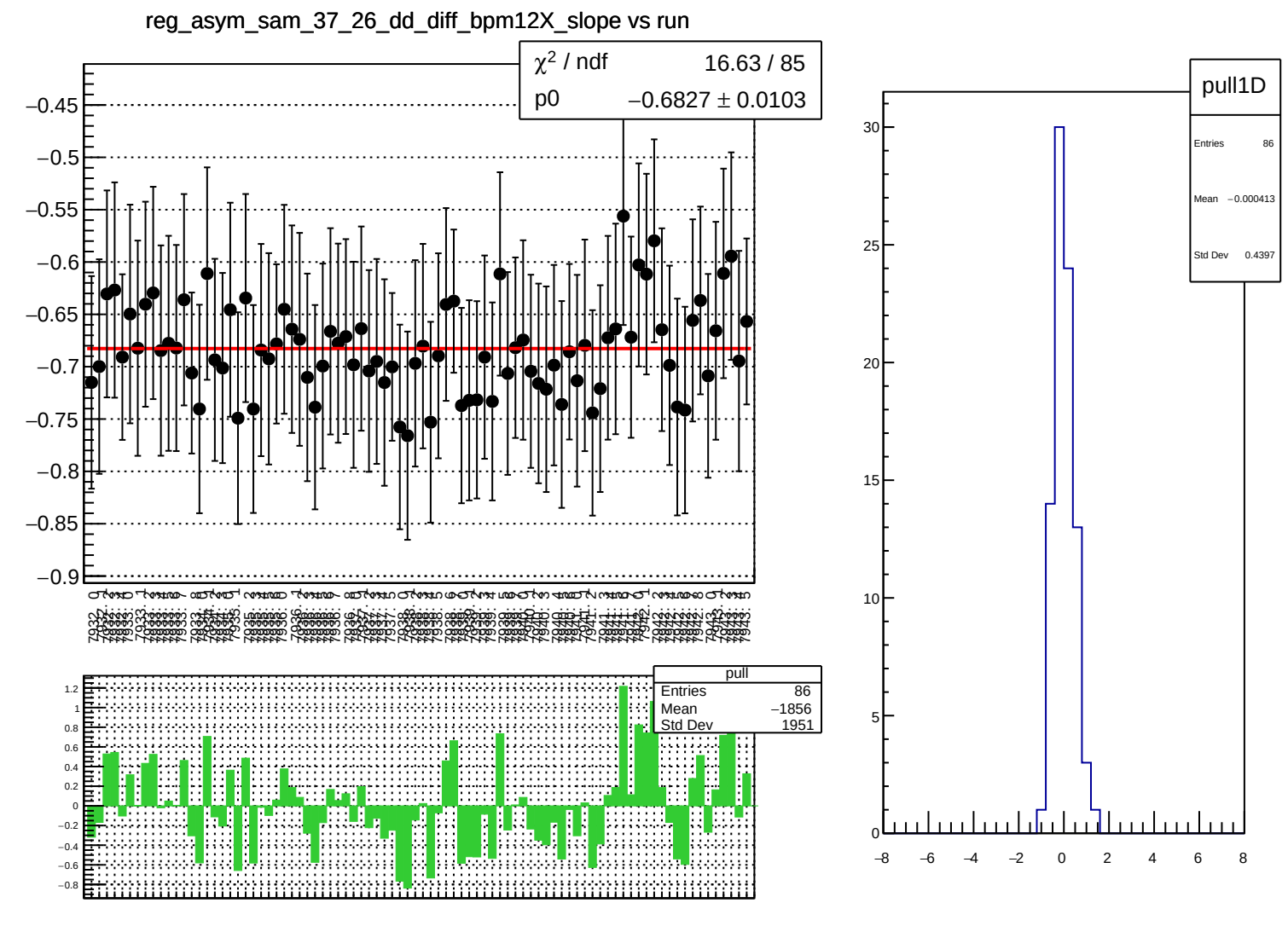

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 22.89 / 85
p0 −3.472 ± 0.3057
pull
Entries 86
Mean 26.27
Std Dev 22.44

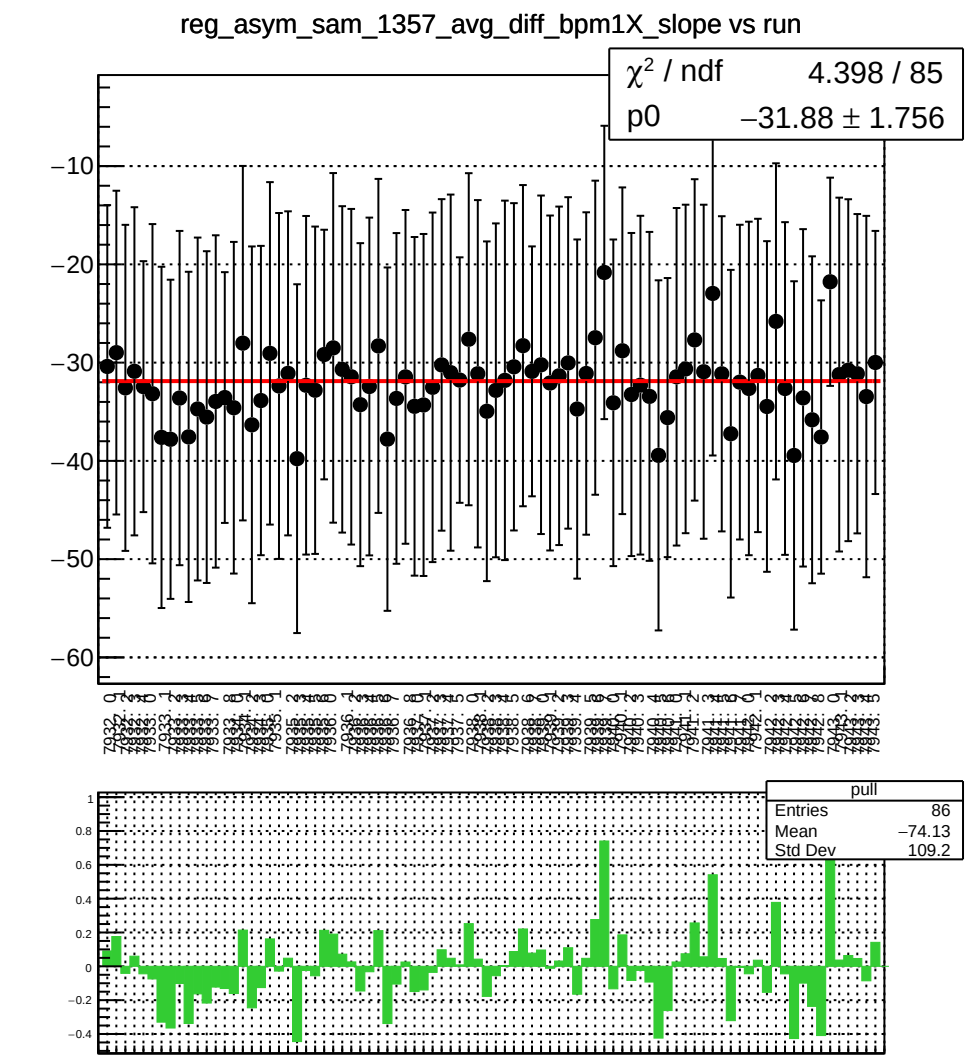

pull1D
Entries 86
Mean 0.02444
Std Dev 0.5153

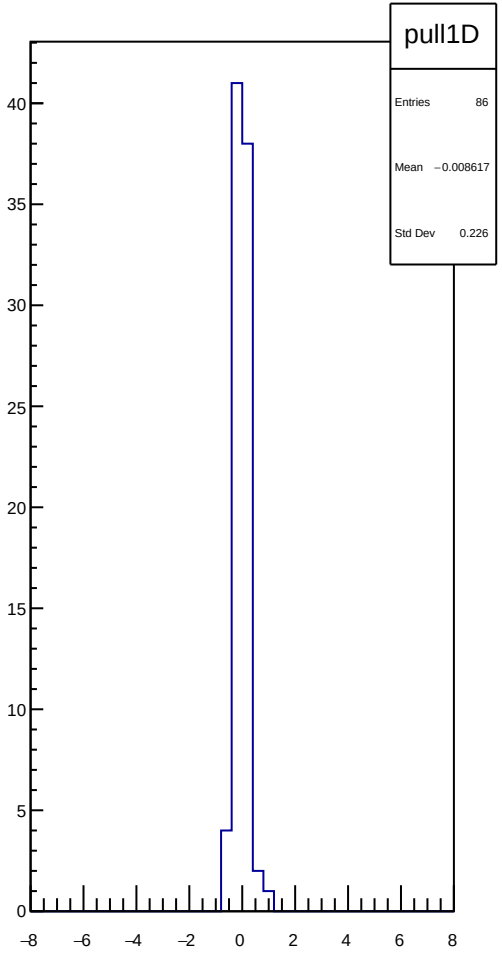

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.37 / 85
p0 20.24 ± 0.3185
pull
Entries 86
Mean −103.7
Std Dev 222.7
pull1D
Entries 86
Mean 0.002439
Std Dev 0.4746

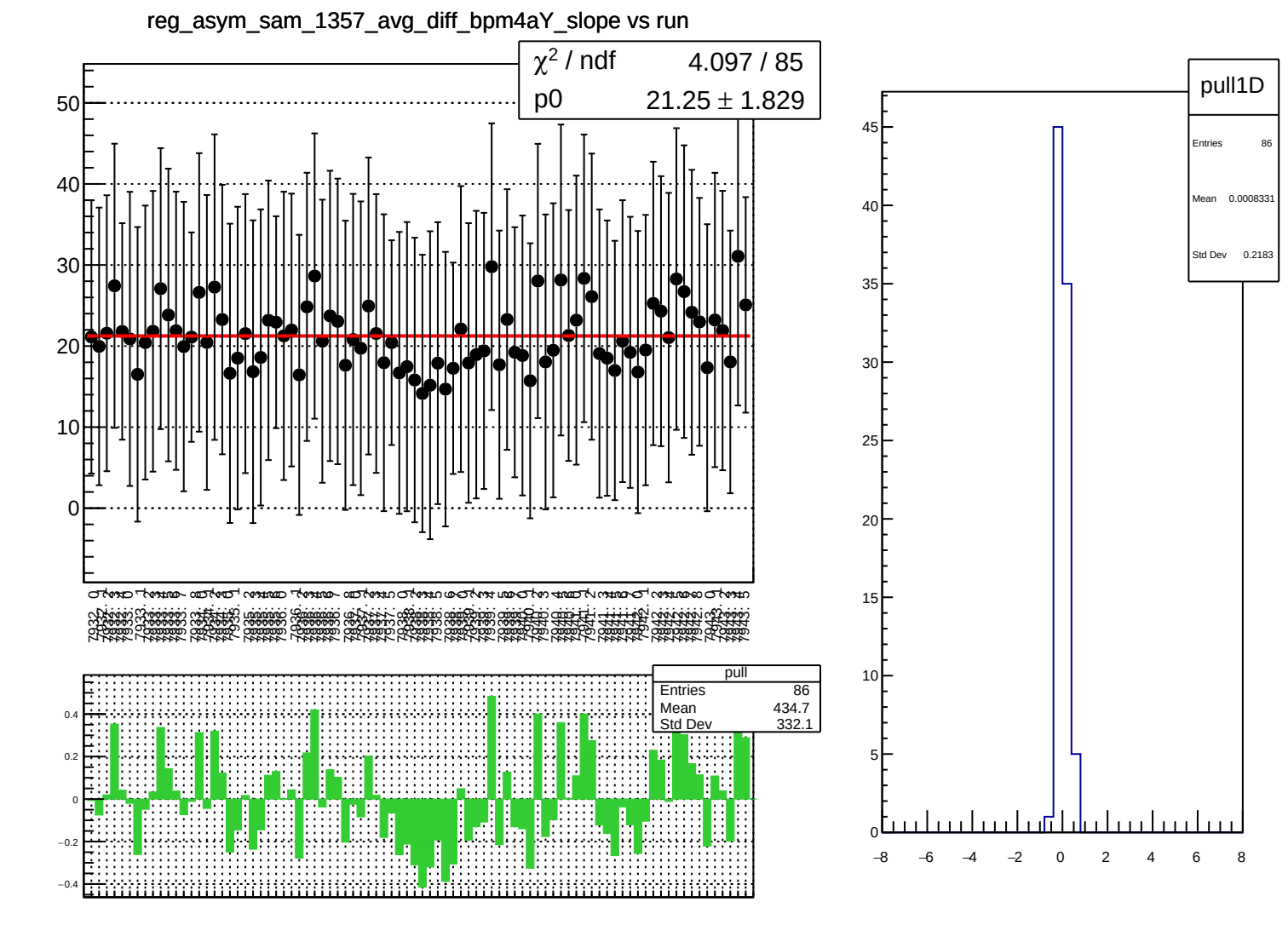

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.07 / 85
p0 −4.424 ± 0.275
pull
Entries 86
Mean 36.59
Std Dev 25.27
pull1D
Entries 86
Mean −0.02518
Std Dev 0.5285

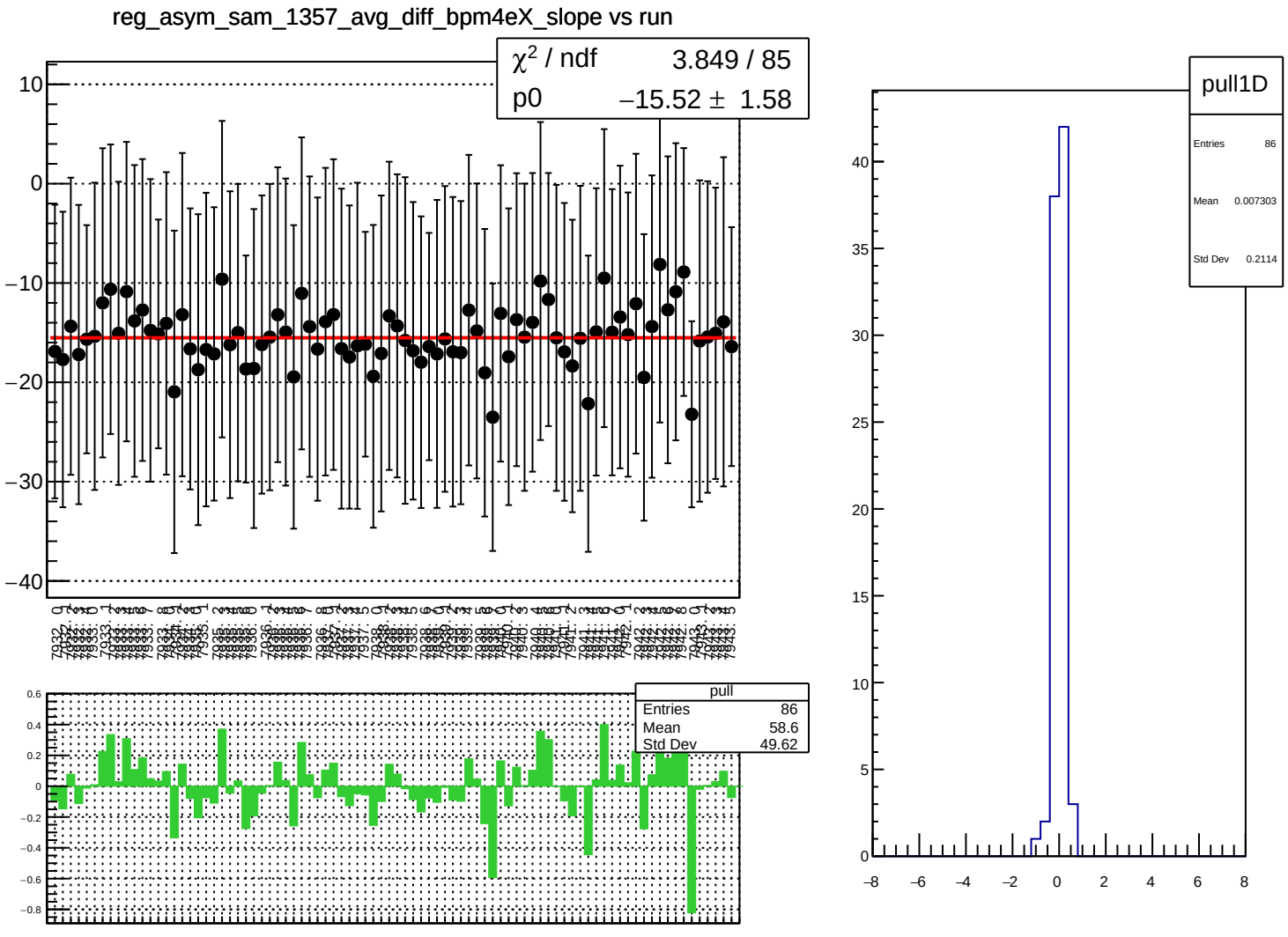

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.99 / 85
p0 −2.999 ± 0.3672
pull
Entries 86
Mean 1452
Std Dev 1415
pull1D
Entries 86
Mean −0.002068
Std Dev 0.4821

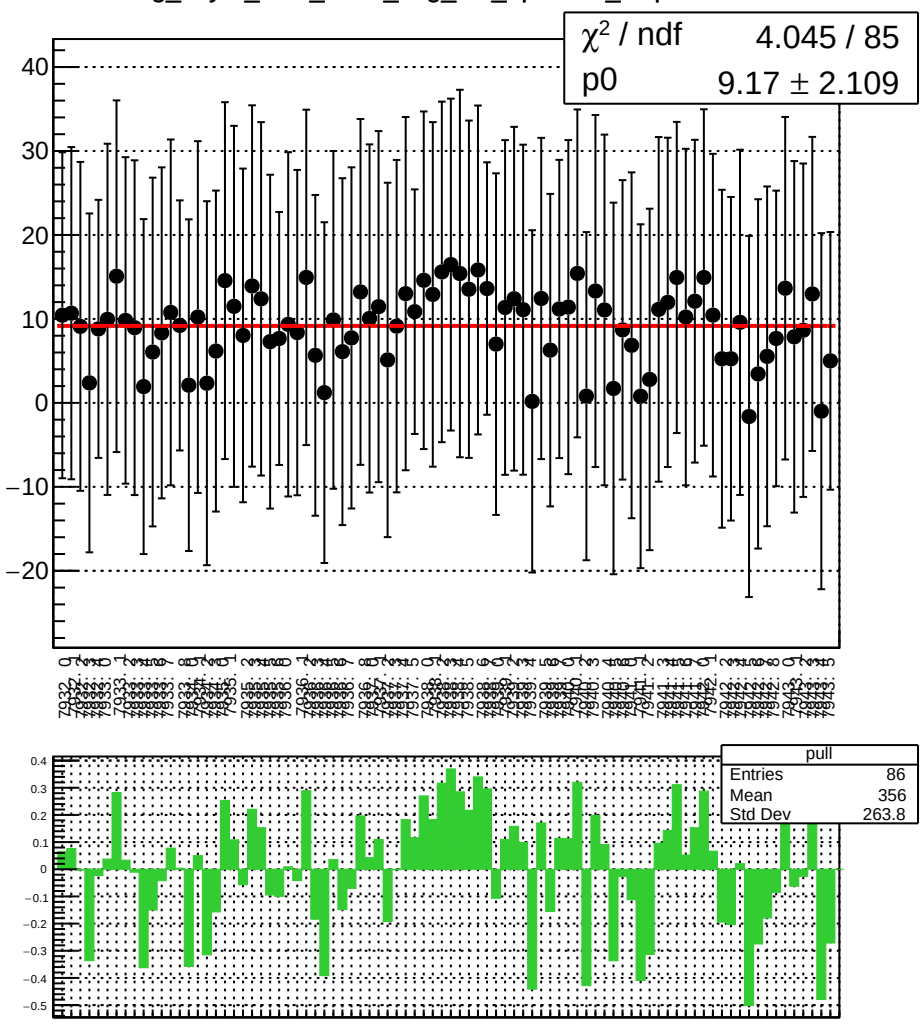

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 16.63 / 85
p0 −0.6827 ± 0.0103
pull
Entries 86
Mean −1856
Std Dev 1951
pull1D
Entries 86
Mean −0.000413
Std Dev 0.4397

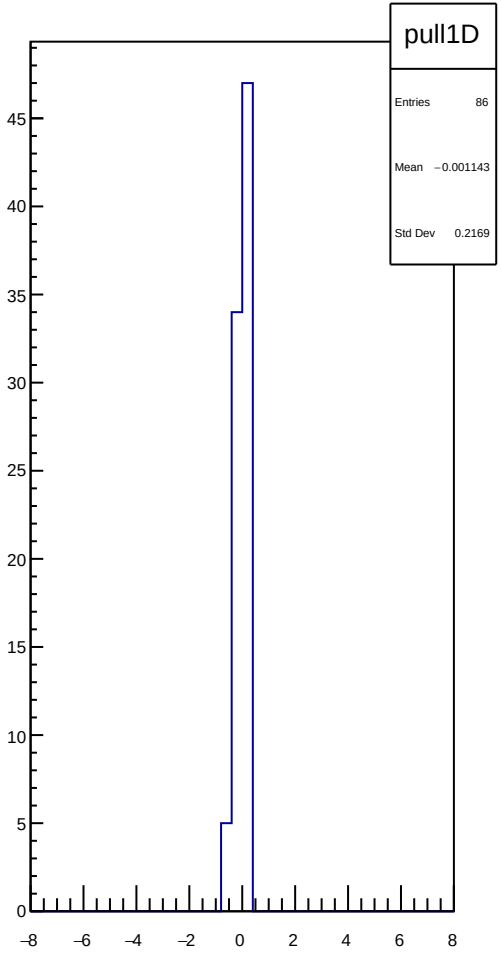

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 4.398 / 85
p0 −31.88 ± 1.756
pull
Entries 86
Mean −74.13
Std Dev 109.2

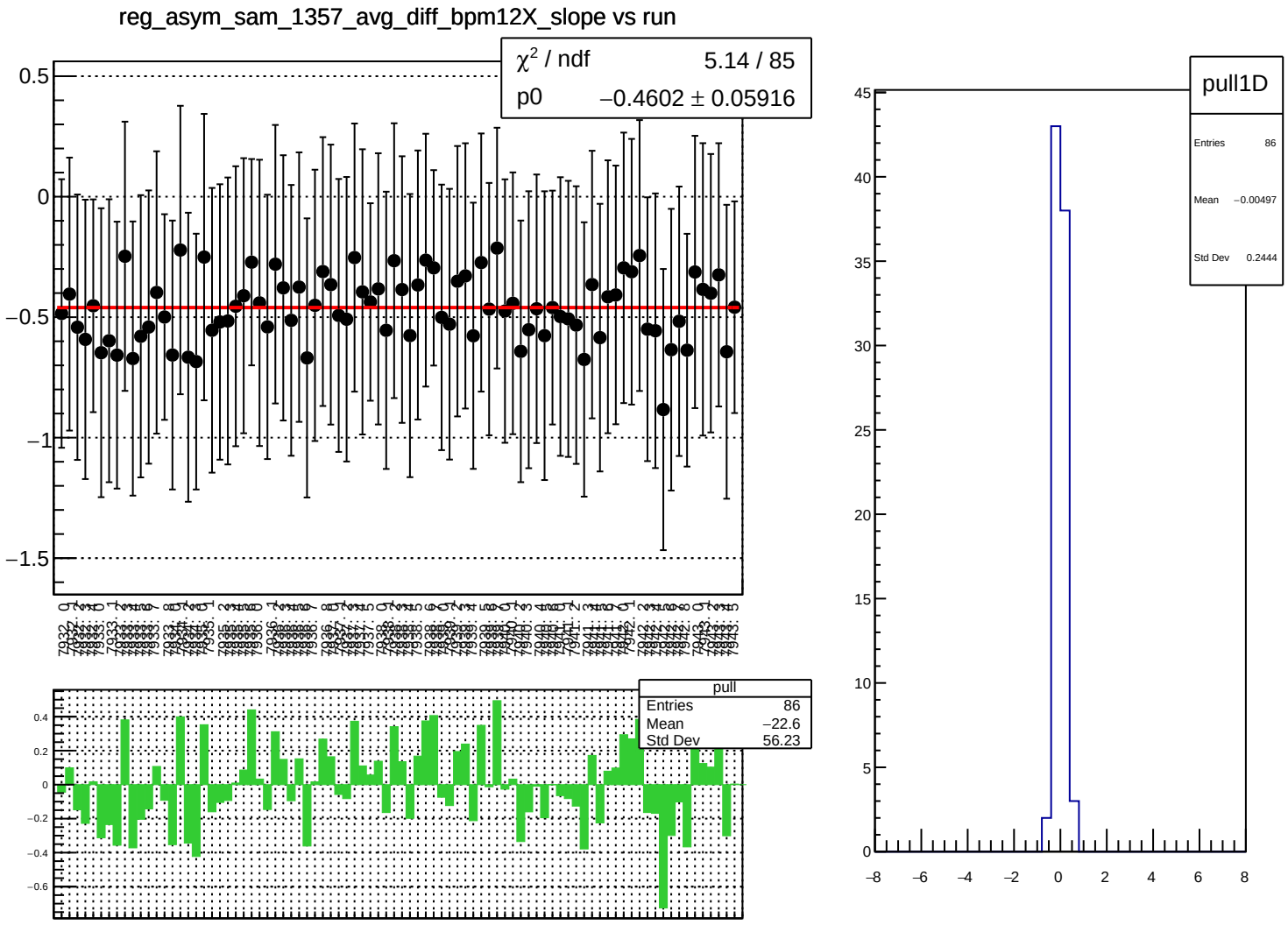

pull1D
Entries 86
Mean −0.008617
Std Dev 0.226

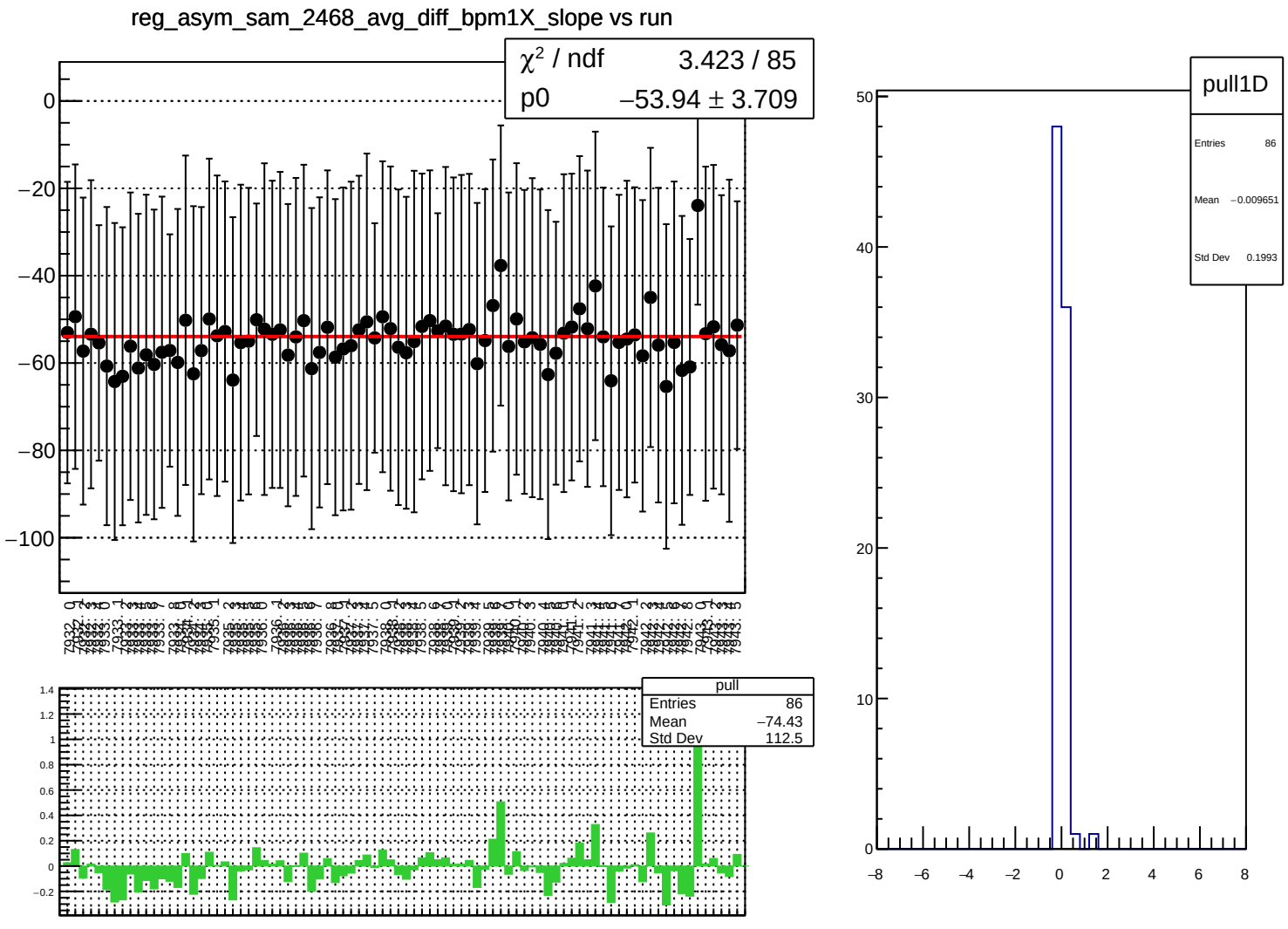

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.097 / 85
p0 21.25 ± 1.829
pull
Entries 86
Mean 434.7
Std Dev 332.1
pull1D
Entries 86
Mean 0.0008331
Std Dev 0.2183

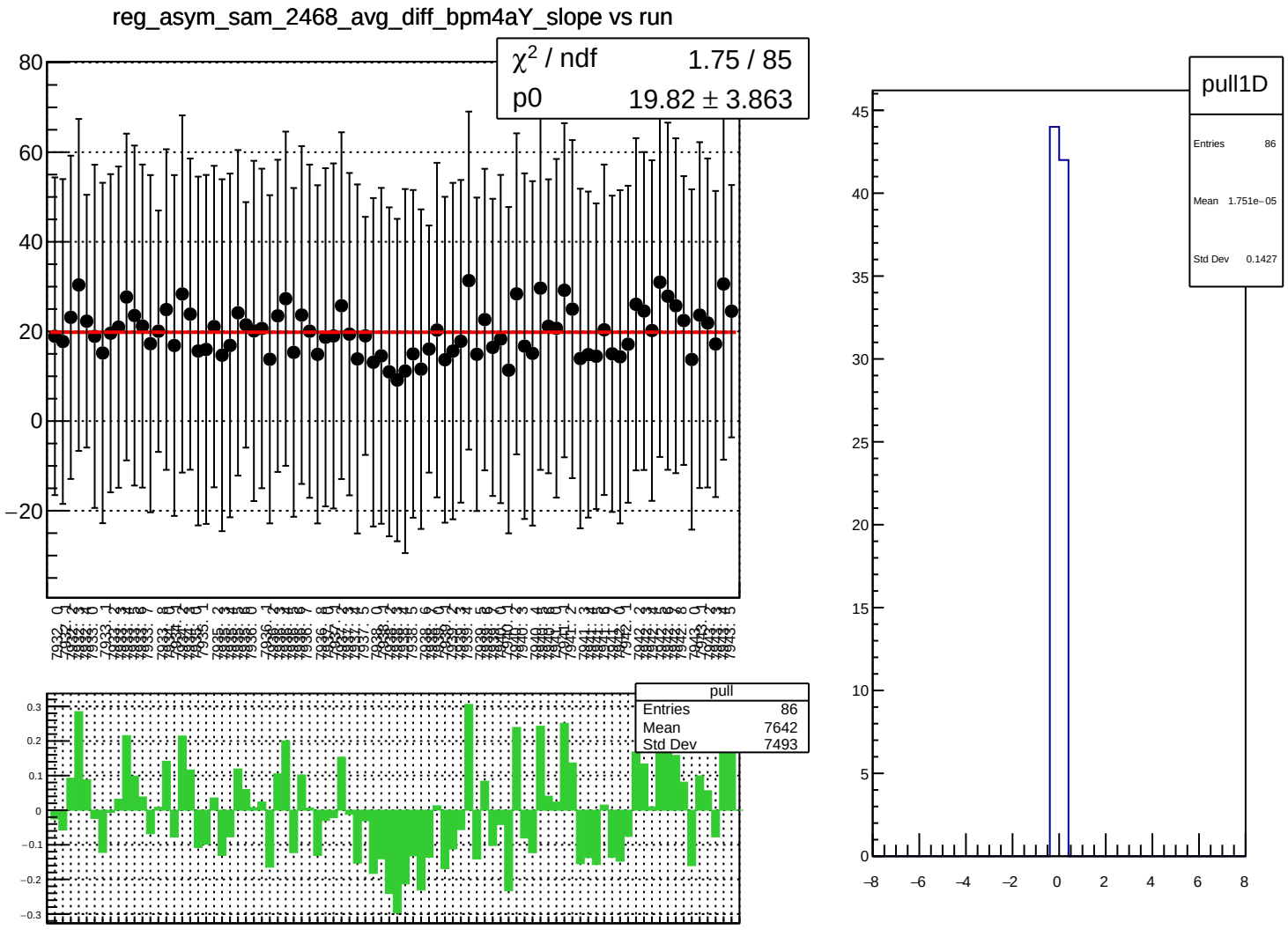

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.849 / 85
p0 −15.52 ± 1.58
pull
Entries 86
Mean 58.6
Std Dev 49.62
pull1D
Entries 86
Mean 0.007303
Std Dev 0.2114

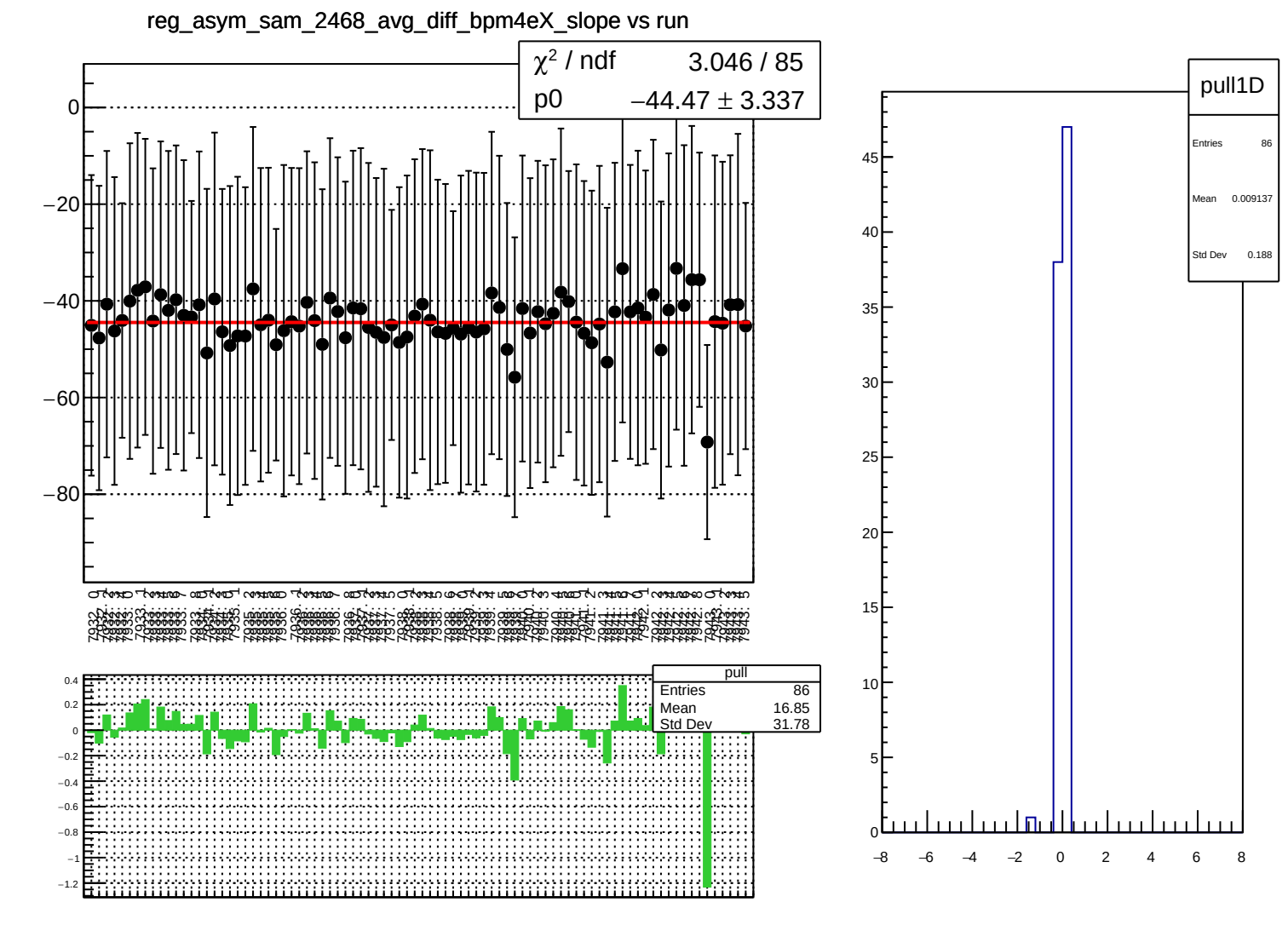

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.045 / 85
p0 9.17 ± 2.109
pull
Entries 86
Mean 356
Std Dev 263.8

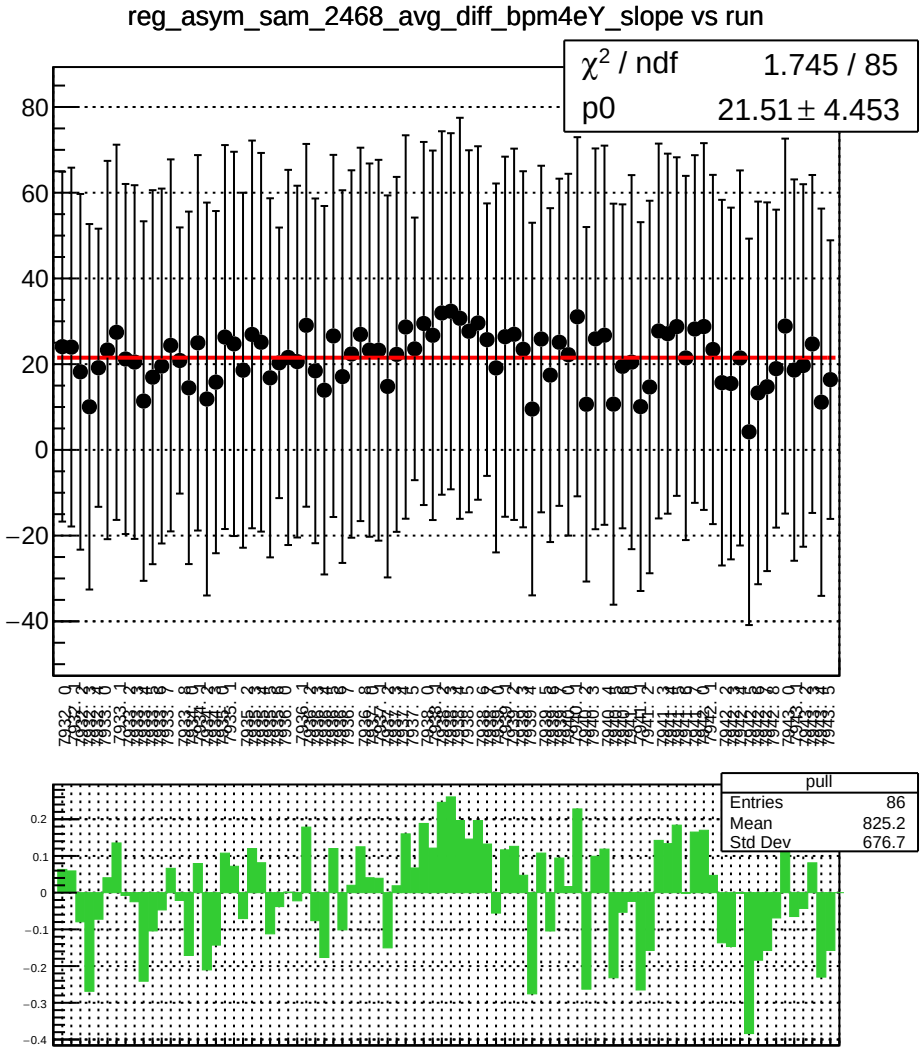

pull1D
Entries 86
Mean −0.001143
Std Dev 0.2169

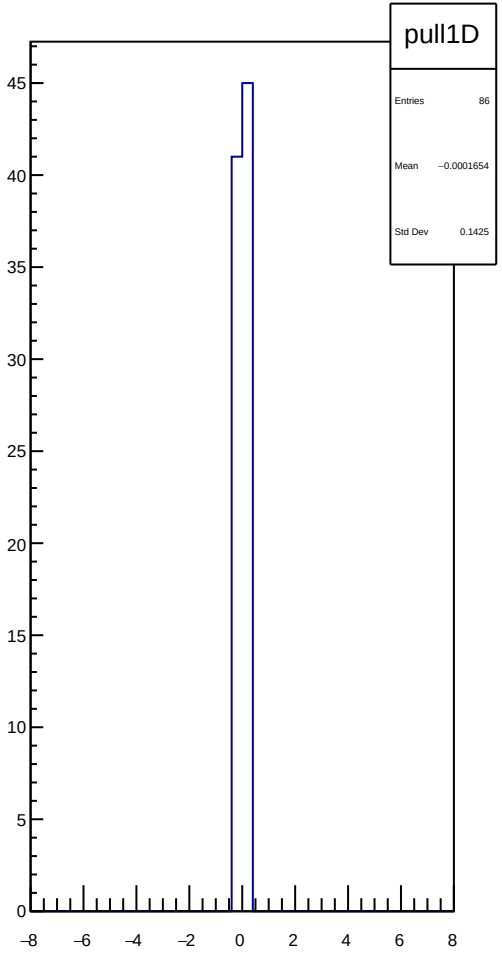

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 5.14 / 85
p0 −0.4602 ± 0.05916
pull
Entries 86
Mean −22.6
Std Dev 56.23
pull1D
Entries 86
Mean −0.00497
Std Dev 0.2444

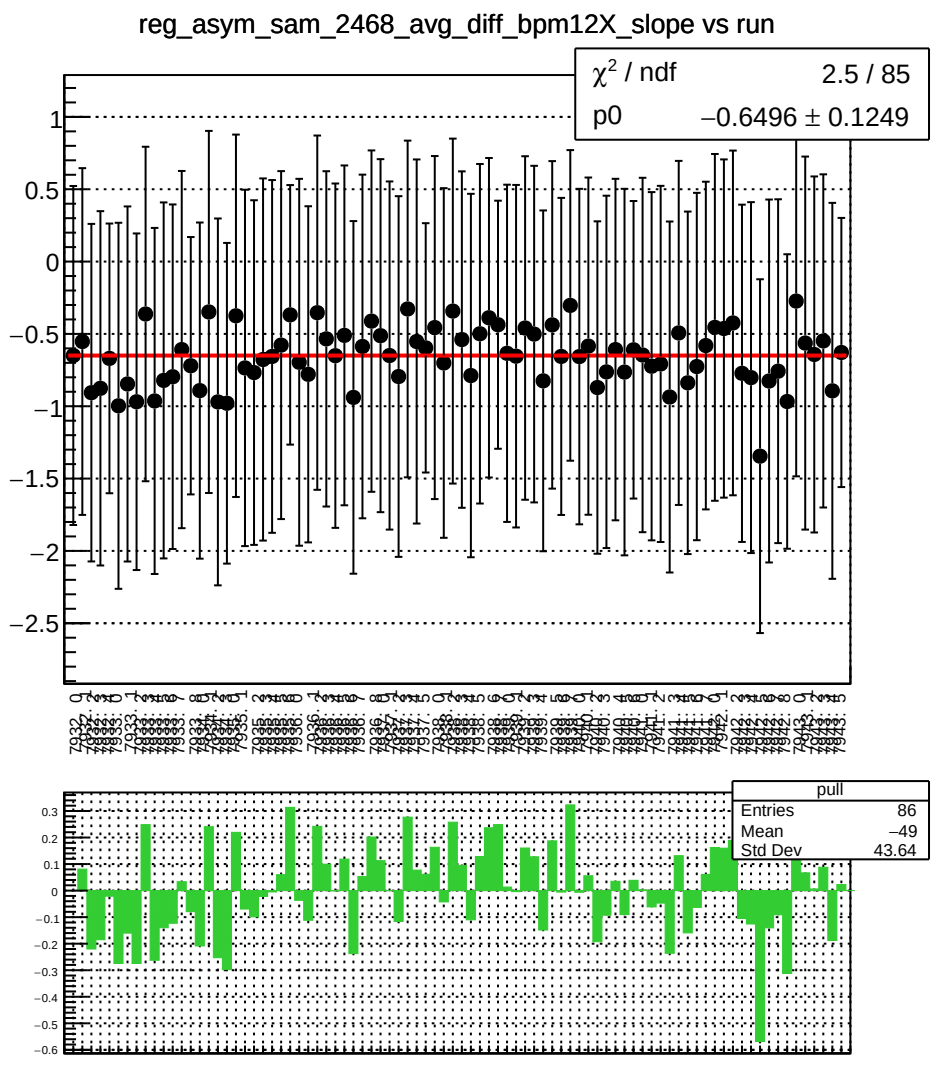

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 3.423 / 85
p0 −53.94 ± 3.709
pull
Entries 86
Mean −74.43
Std Dev 112.5
pull1D
Entries 86
Mean −0.009651
Std Dev 0.1993

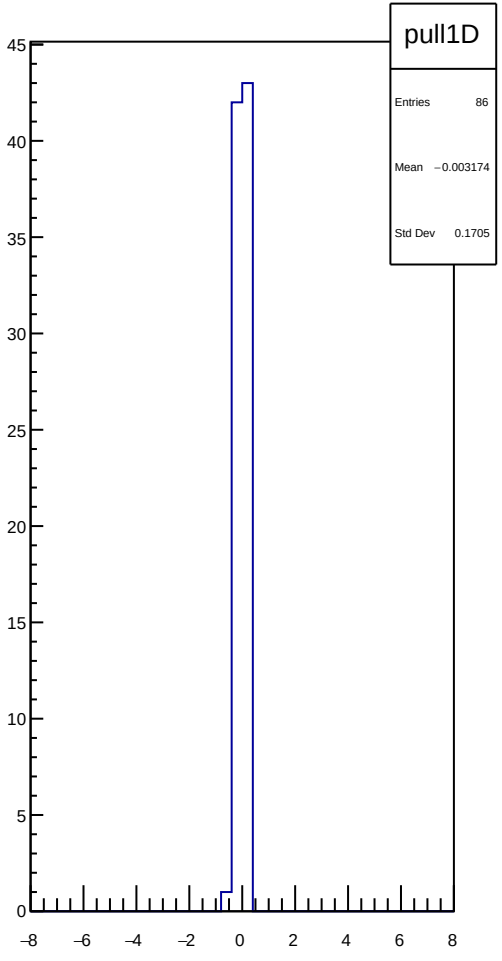

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.75 / 85
p0 19.82 ± 3.863
pull
Entries 86
Mean 7642
Std Dev 7493
pull1D
Entries 86
Mean 1.751e−05
Std Dev 0.1427

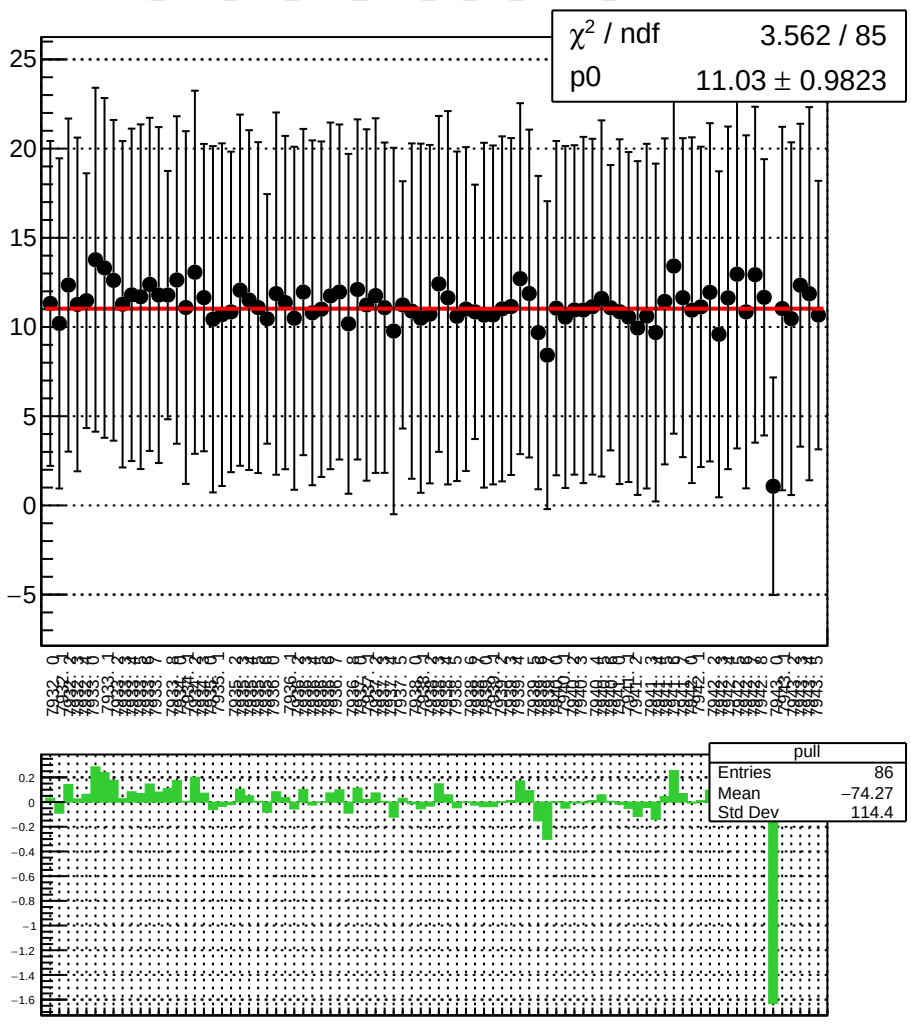

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.046 / 85
p0 −44.47 ± 3.337
pull
Entries 86
Mean 16.85
Std Dev 31.78
pull1D
Entries 86
Mean 0.009137
Std Dev 0.188

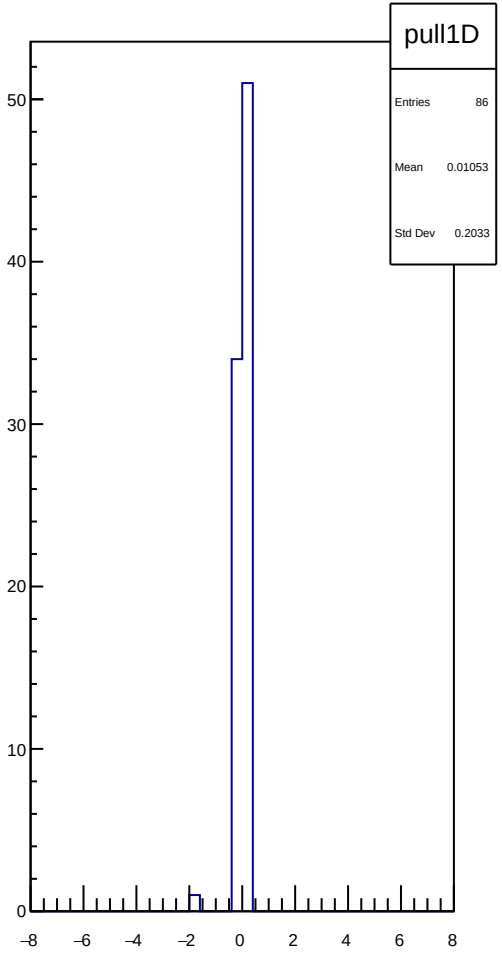

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.745 / 85
p0 21.51 ± 4.453
pull
Entries 86
Mean 825.2
Std Dev 676.7

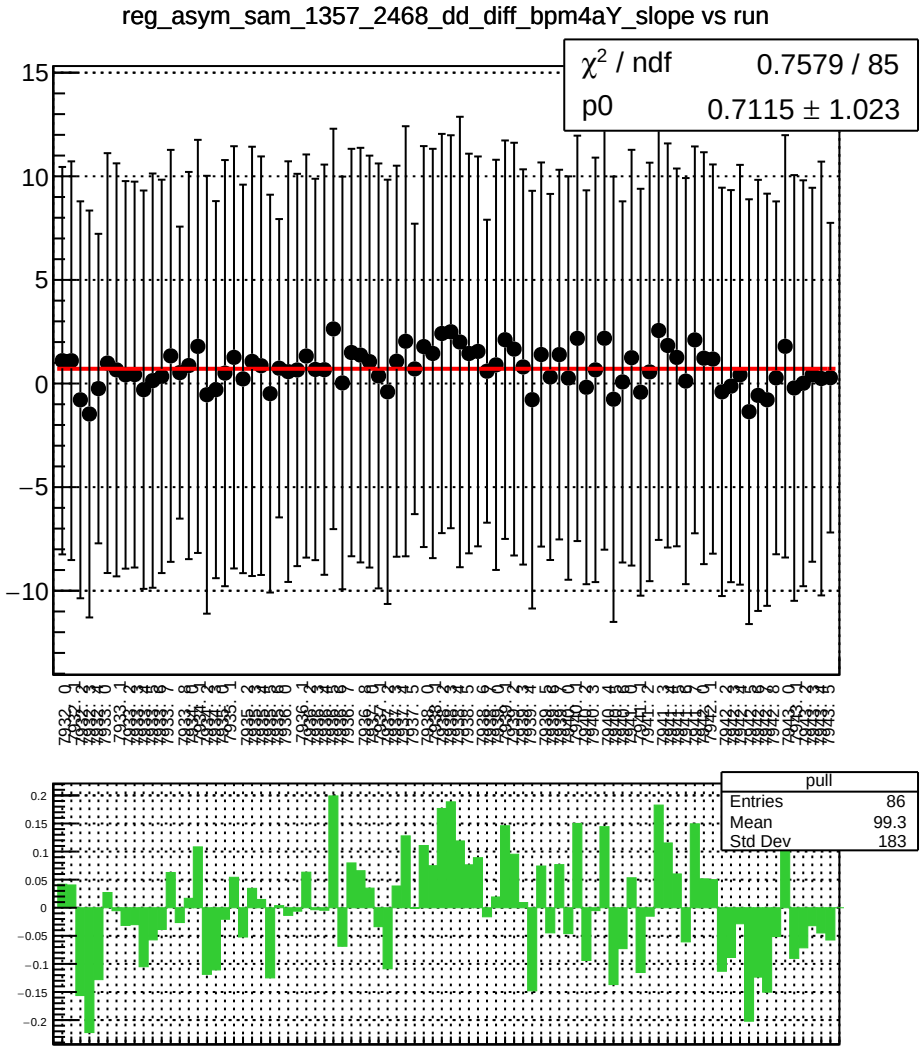

pull1D
Entries 86
Mean −0.0001654
Std Dev 0.1425

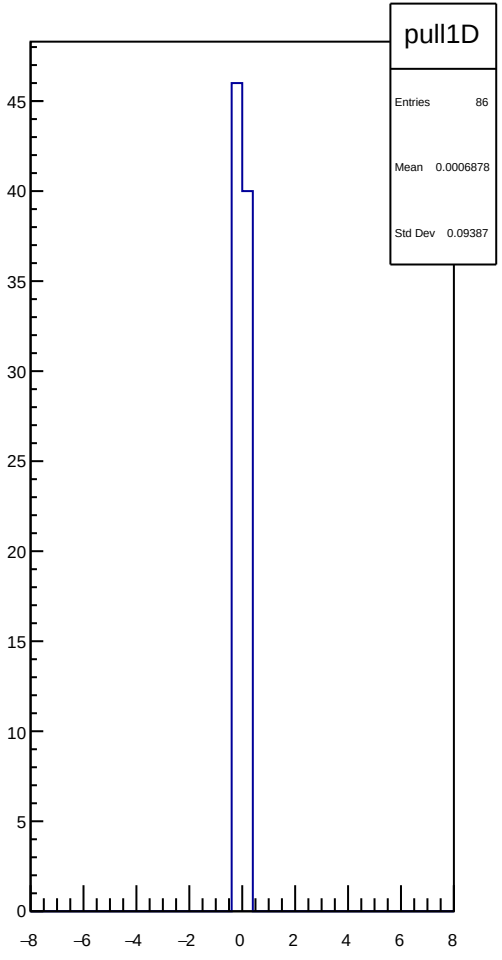

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.5 / 85
p0 −0.6496 ± 0.1249
pull
Entries 86
Mean −49
Std Dev 43.64

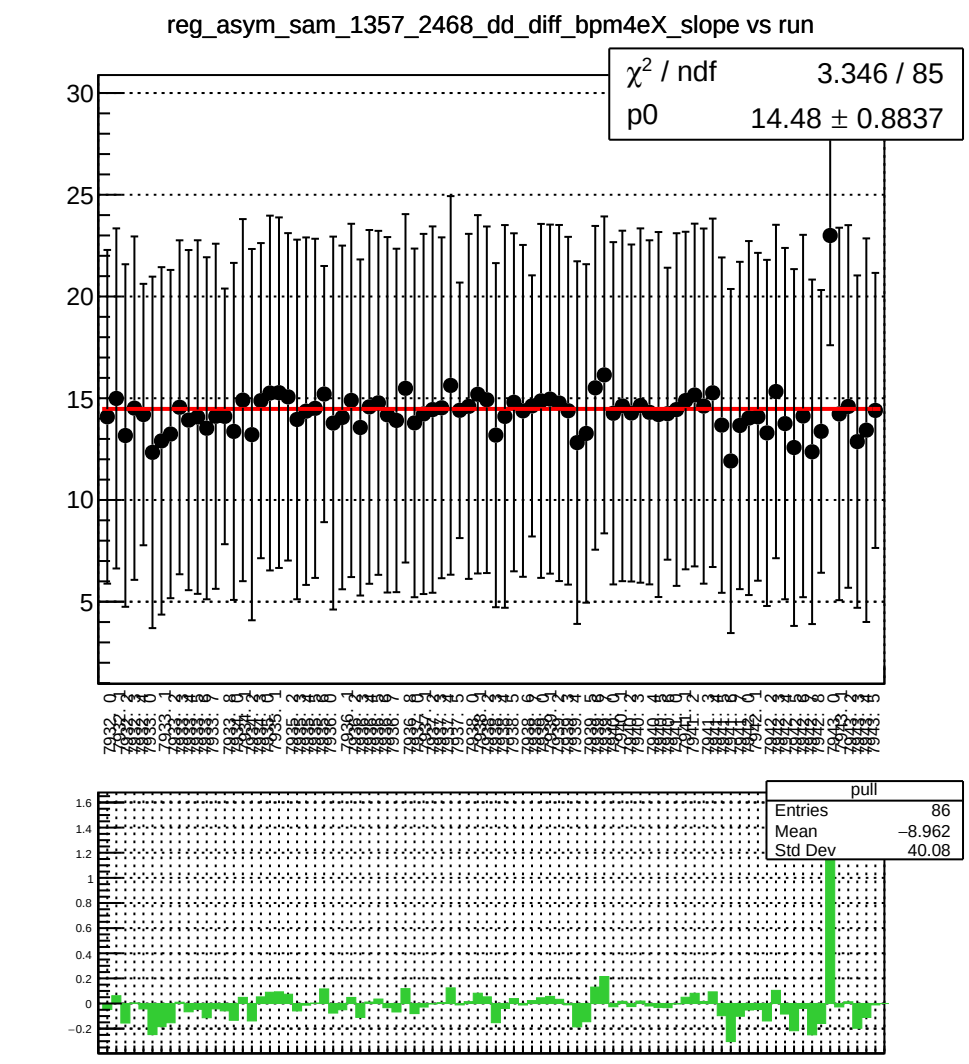

pull1D
Entries 86
Mean −0.003174
Std Dev 0.1705

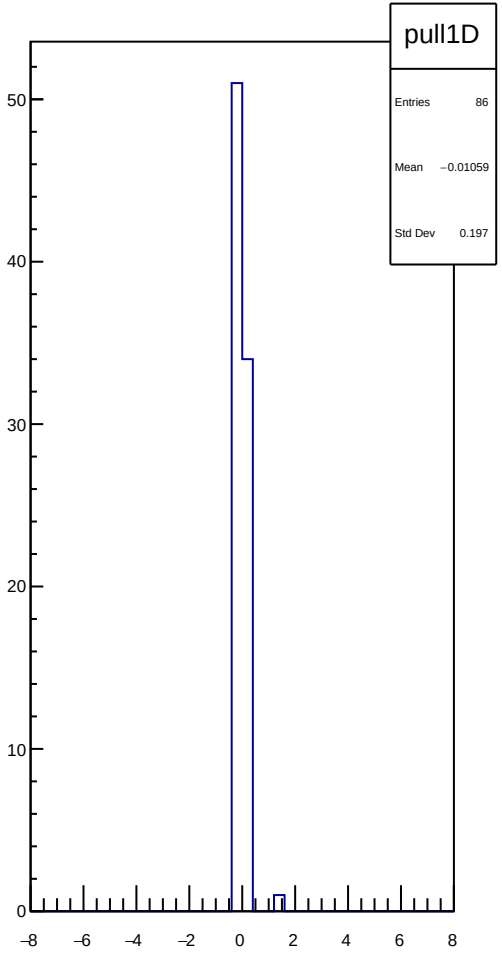

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 3.562 / 85
p0 11.03 ± 0.9823
pull
Entries 86
Mean −74.27
Std Dev 114.4

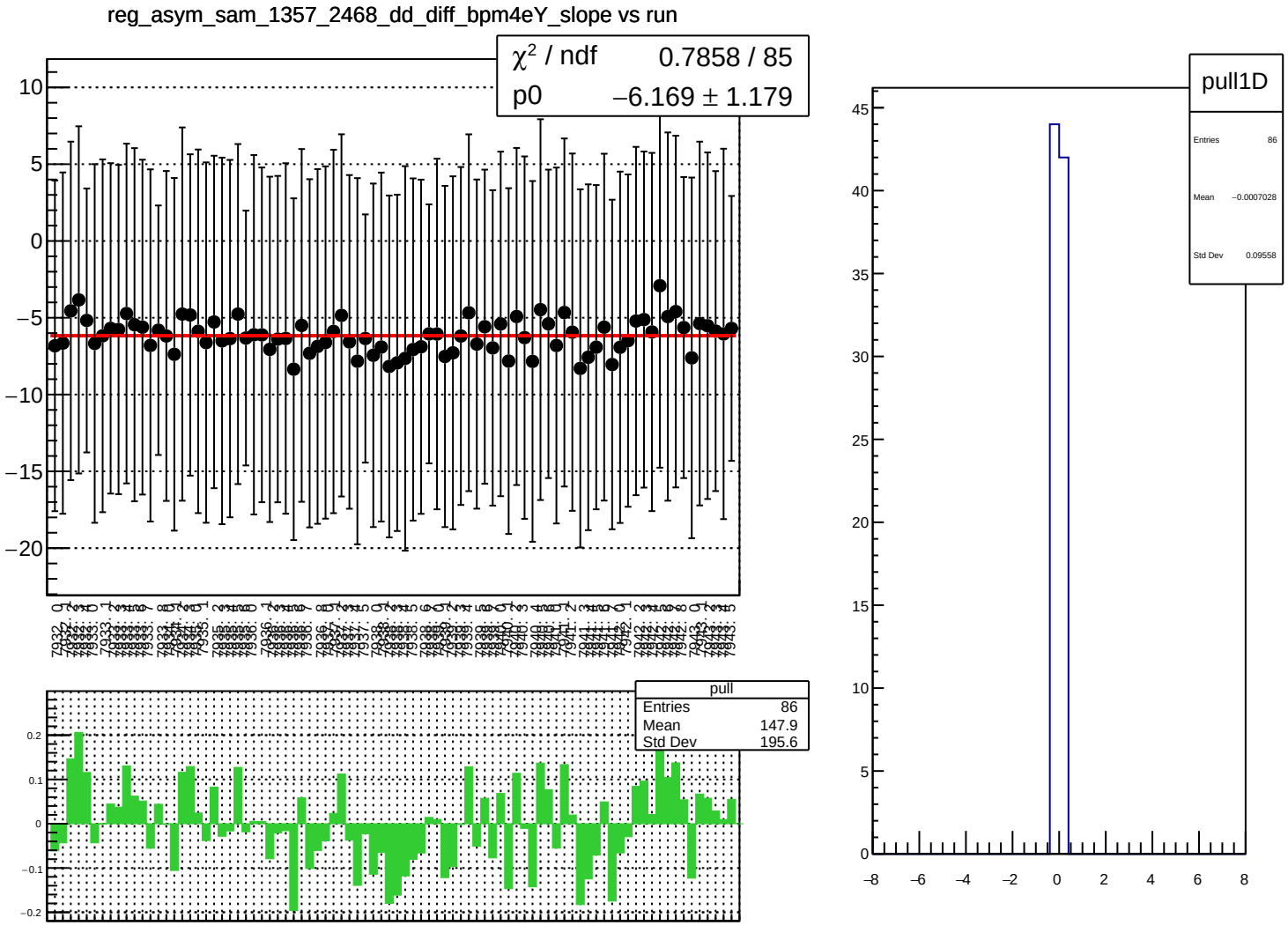

pull1D
Entries 86
Mean 0.01053
Std Dev 0.2033

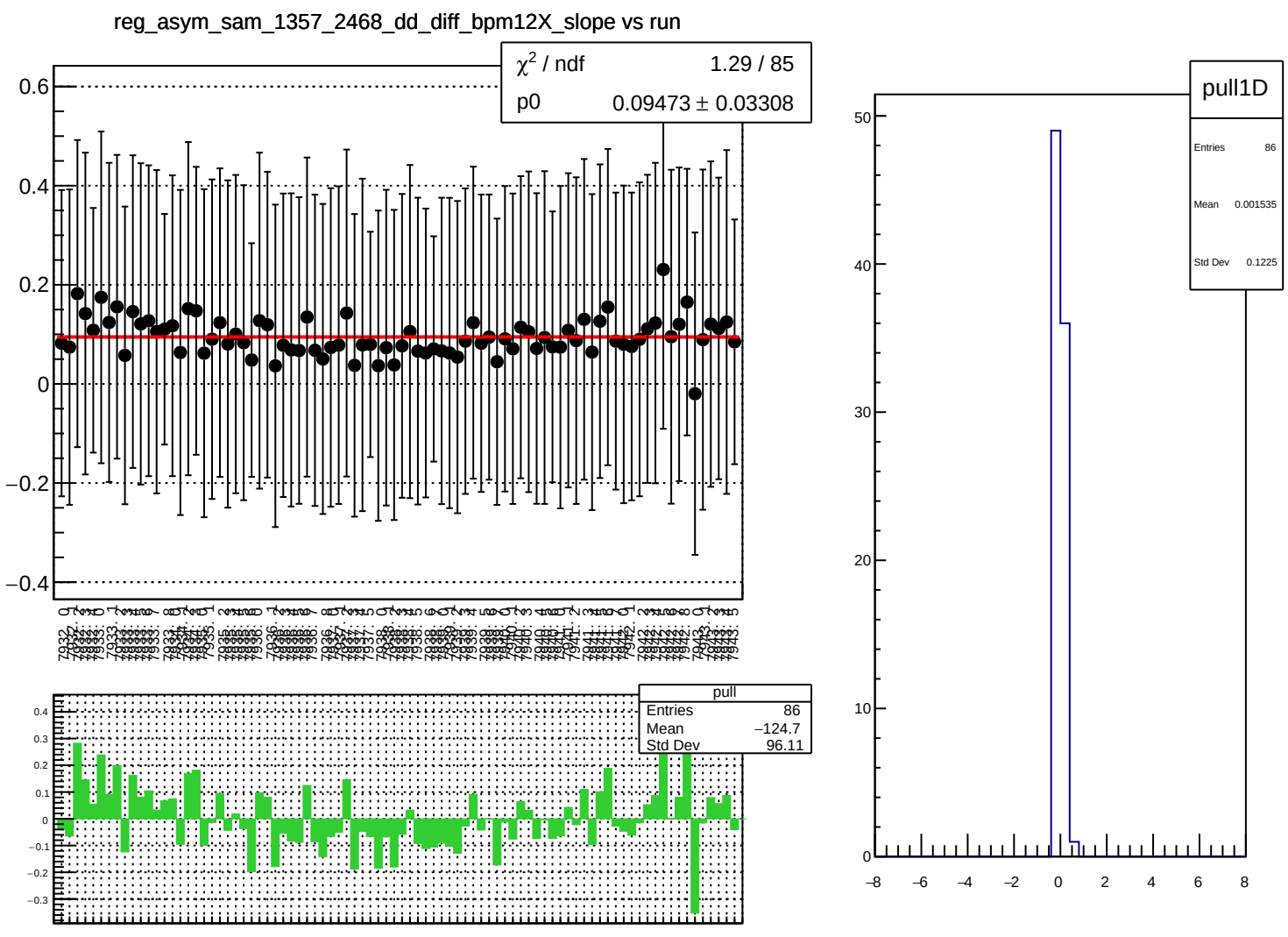

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 0.7579 / 85
p0 0.7115 ± 1.023
pull
Entries 86
Mean 99.3
Std Dev 183

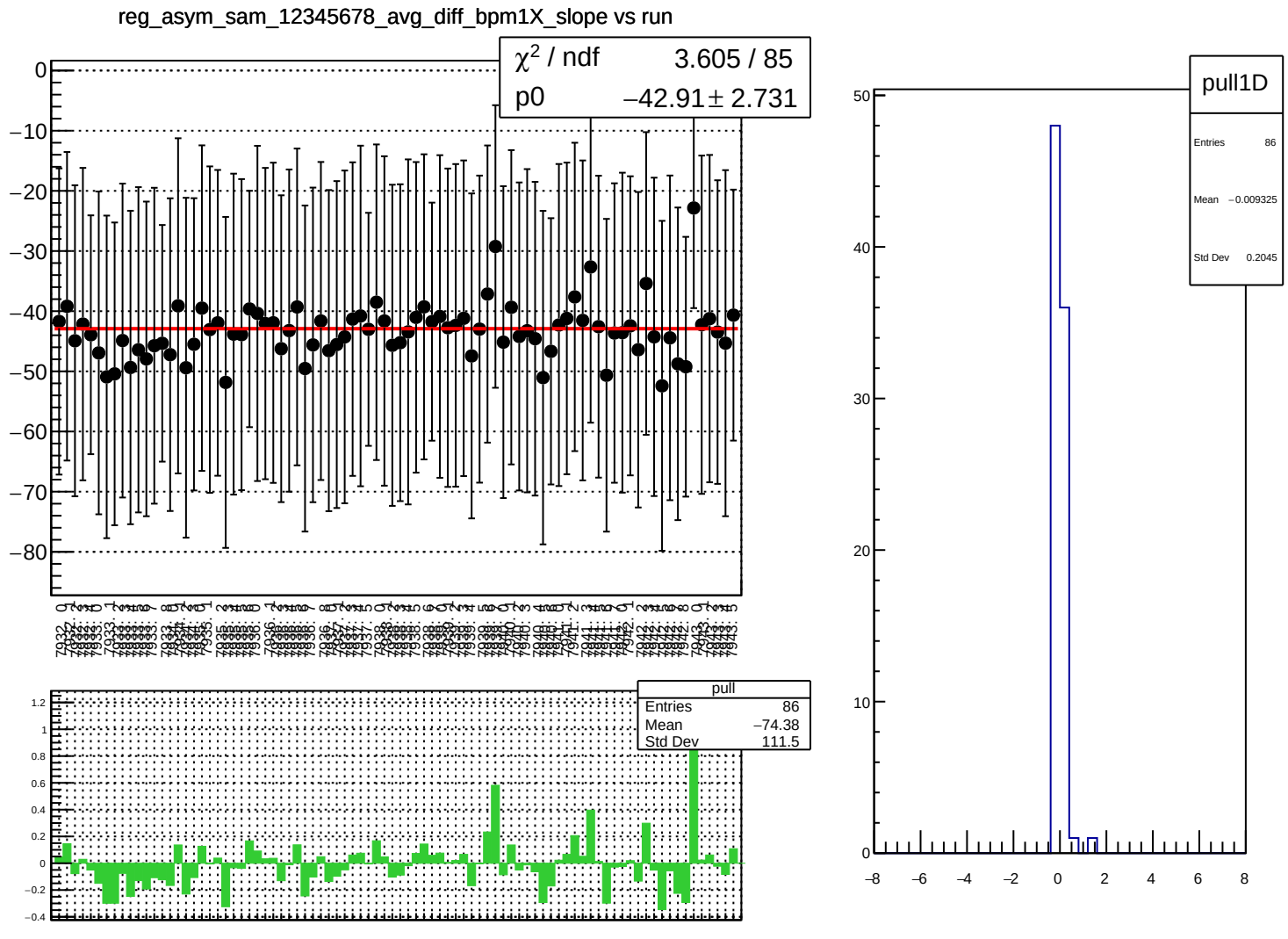

pull1D
Entries 86
Mean 0.0006878
Std Dev 0.09387

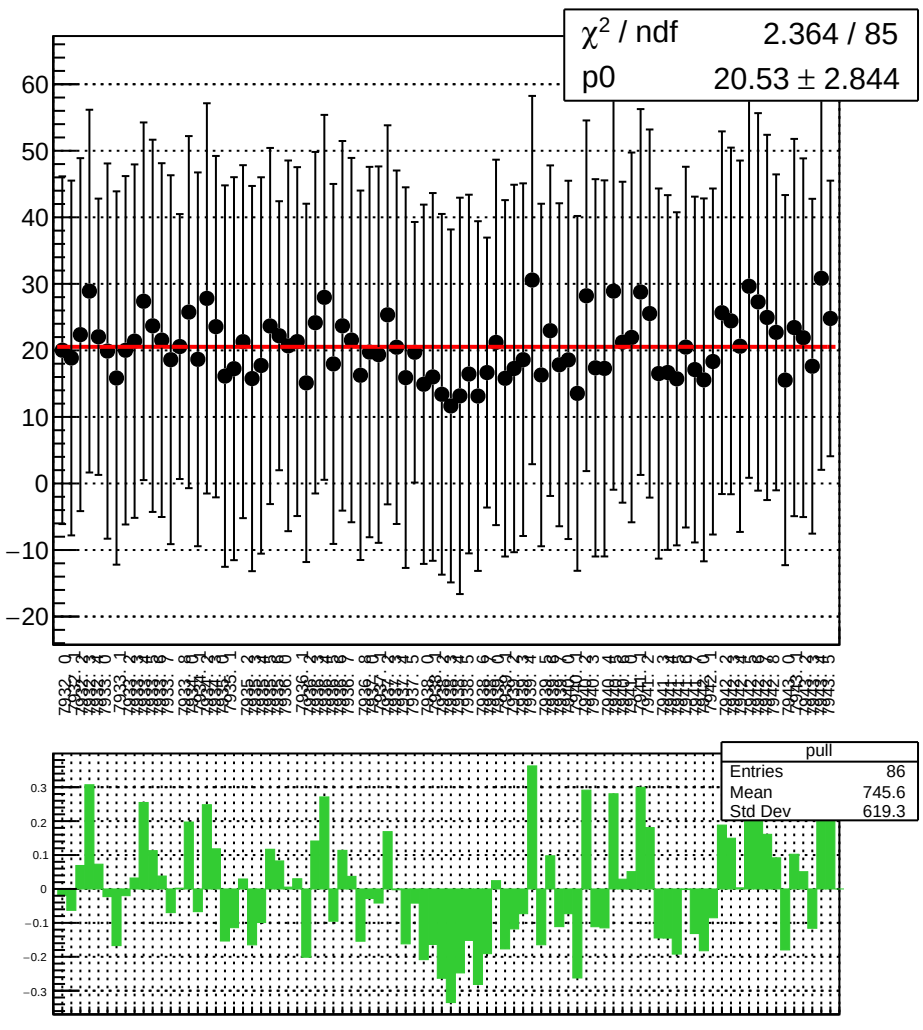

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.346 / 85
p0 14.48 ± 0.8837
pull
Entries 86
Mean −8.962
Std Dev 40.08

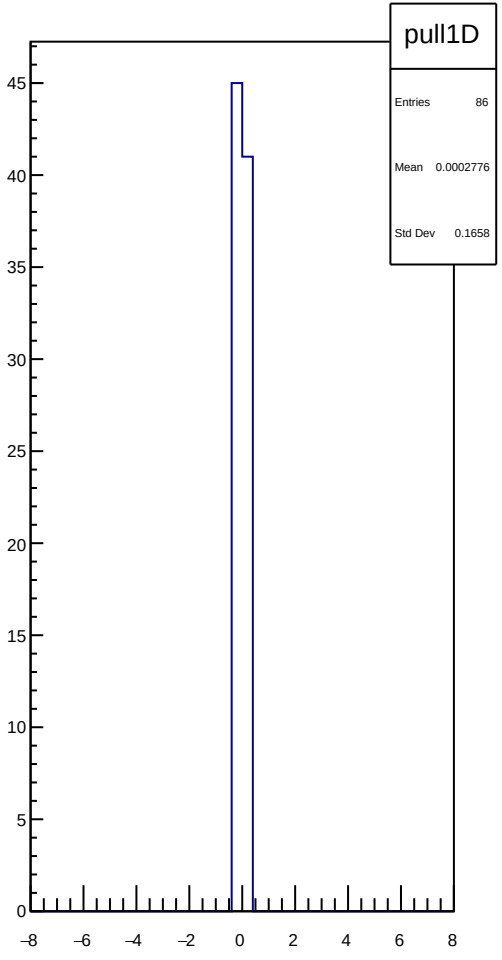

pull1D
Entries 86
Mean −0.01059
Std Dev 0.197

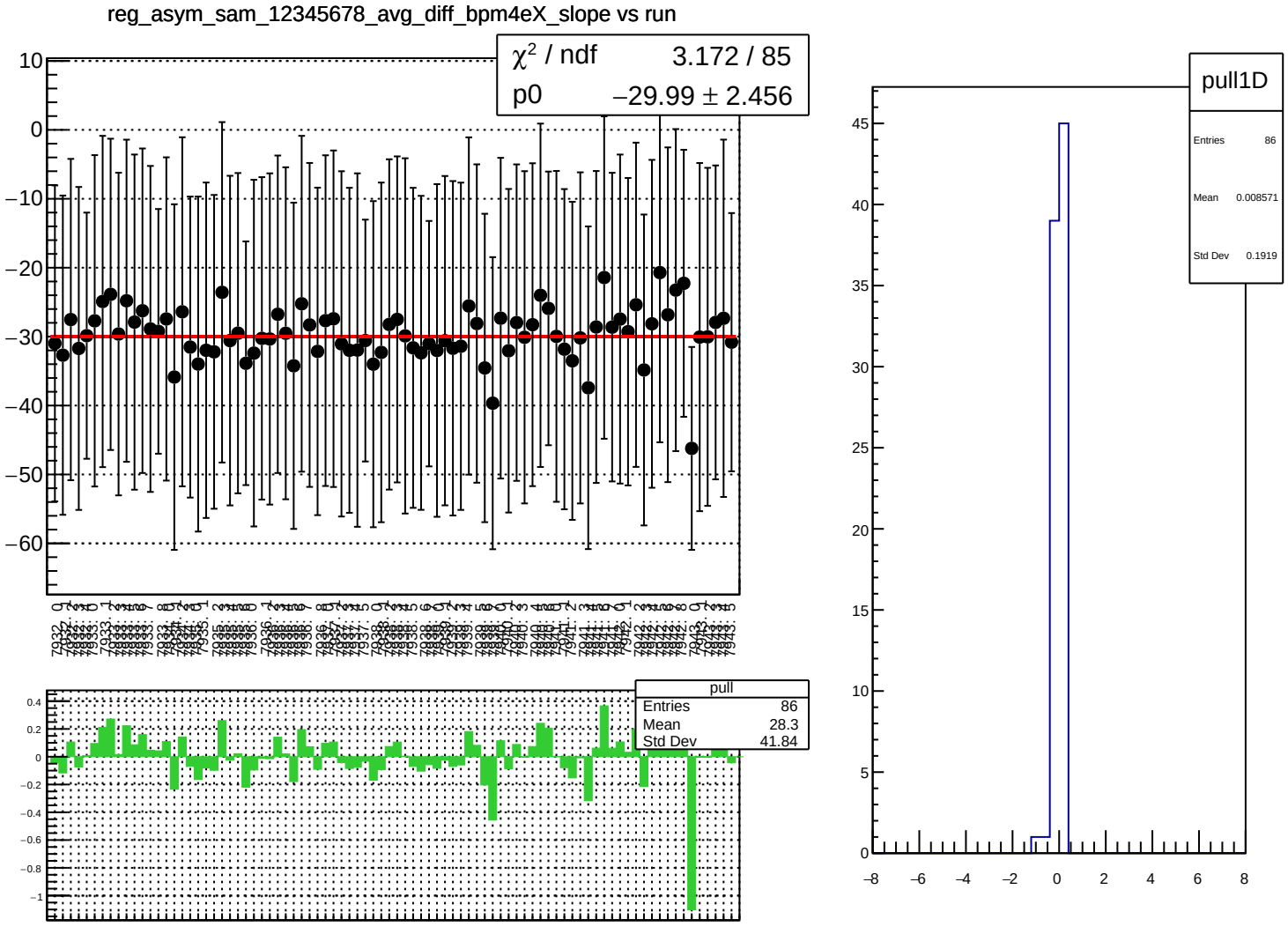

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 0.7858 / 85
p0 −6.169 ± 1.179
pull
Entries 86
Mean 147.9
Std Dev 195.6
pull1D
Entries 86
Mean −0.0007028
Std Dev 0.09558

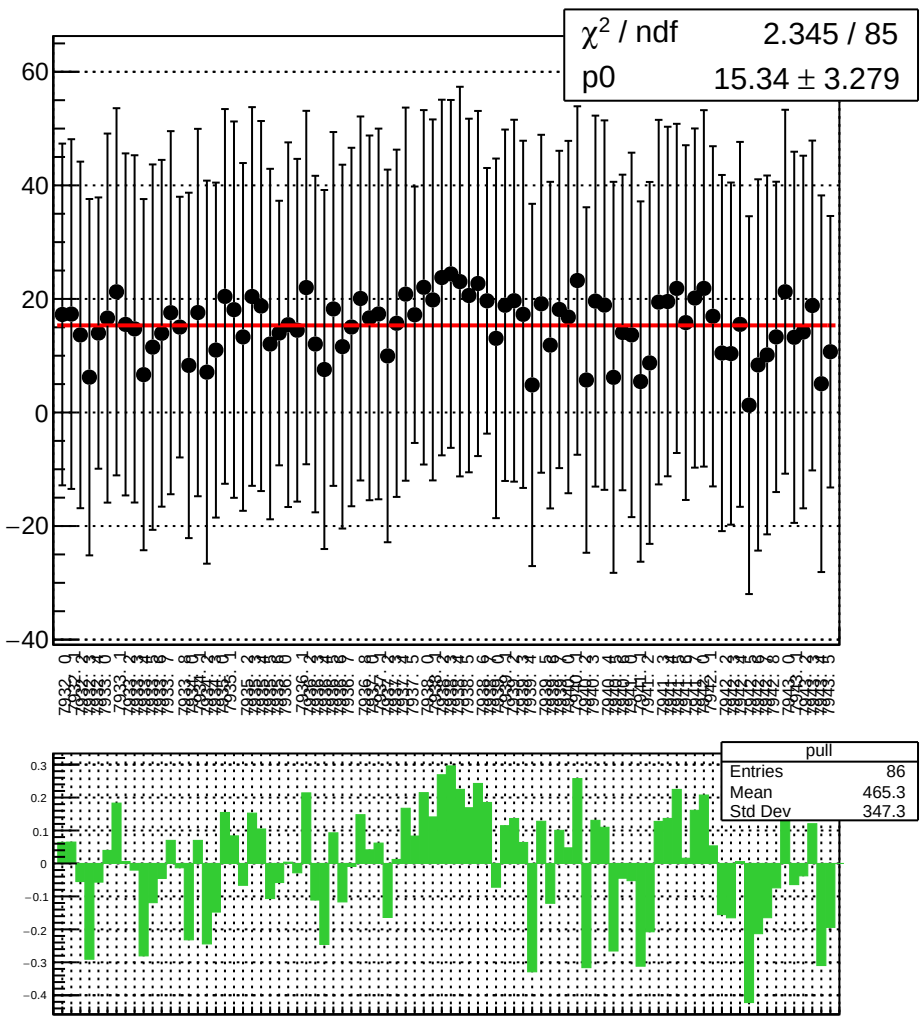

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.29 / 85
p0 0.09473 ± 0.03308
pull
Entries 86
Mean −124.7
Std Dev 96.11
pull1D
Entries 86
Mean 0.001535
Std Dev 0.1225

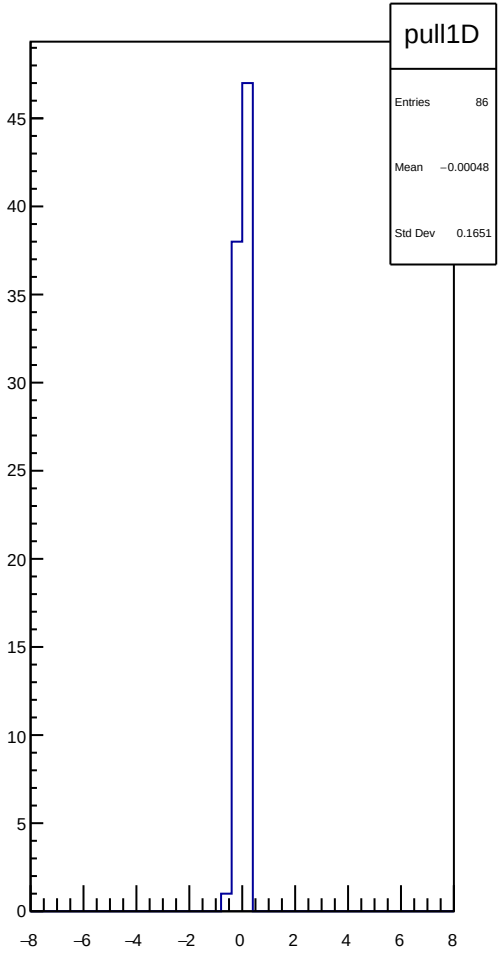

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 3.605 / 85
p0 −42.91 ± 2.731
pull
Entries 86
Mean −74.38
Std Dev 111.5
pull1D
Entries 86
Mean −0.009325
Std Dev 0.2045

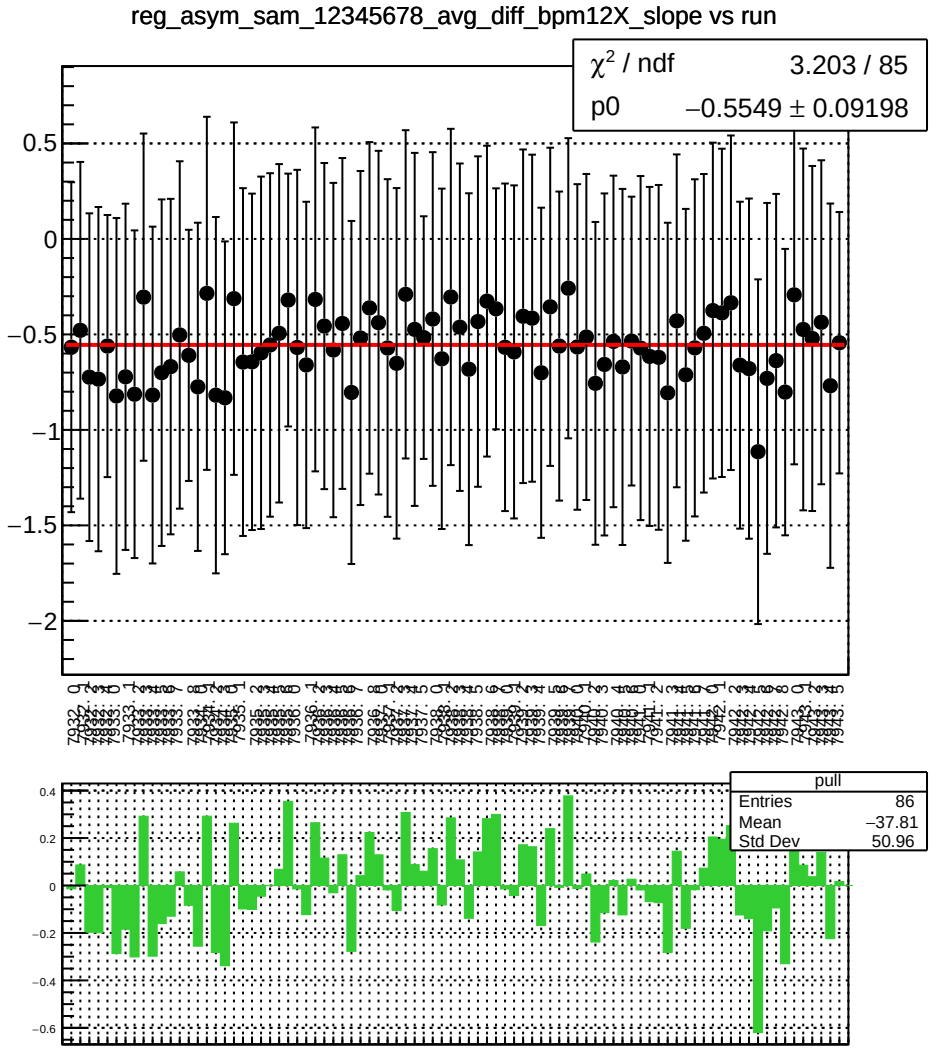

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.364 / 85
p0 20.53 ± 2.844
pull
Entries 86
Mean 745.6
Std Dev 619.3

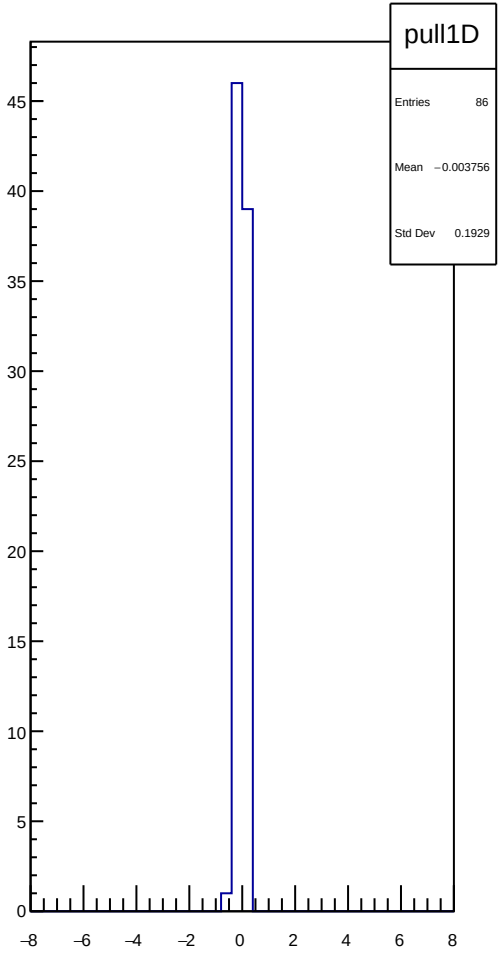

pull1D
Entries 86
Mean 0.0002776
Std Dev 0.1658

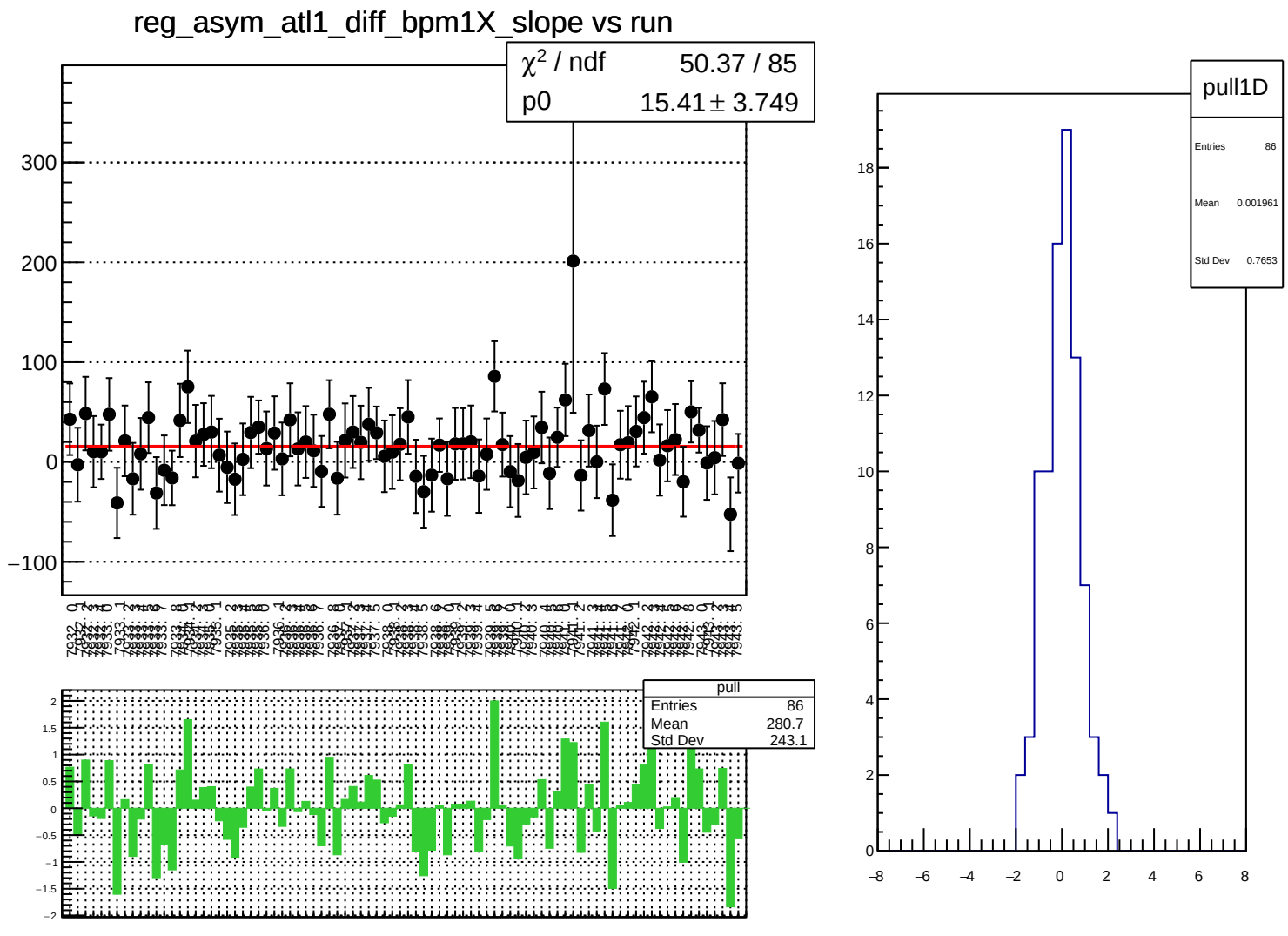

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.172 / 85
p0 −29.99 ± 2.456
pull
Entries 86
Mean 28.3
Std Dev 41.84
pull1D
Entries 86
Mean 0.008571
Std Dev 0.1919

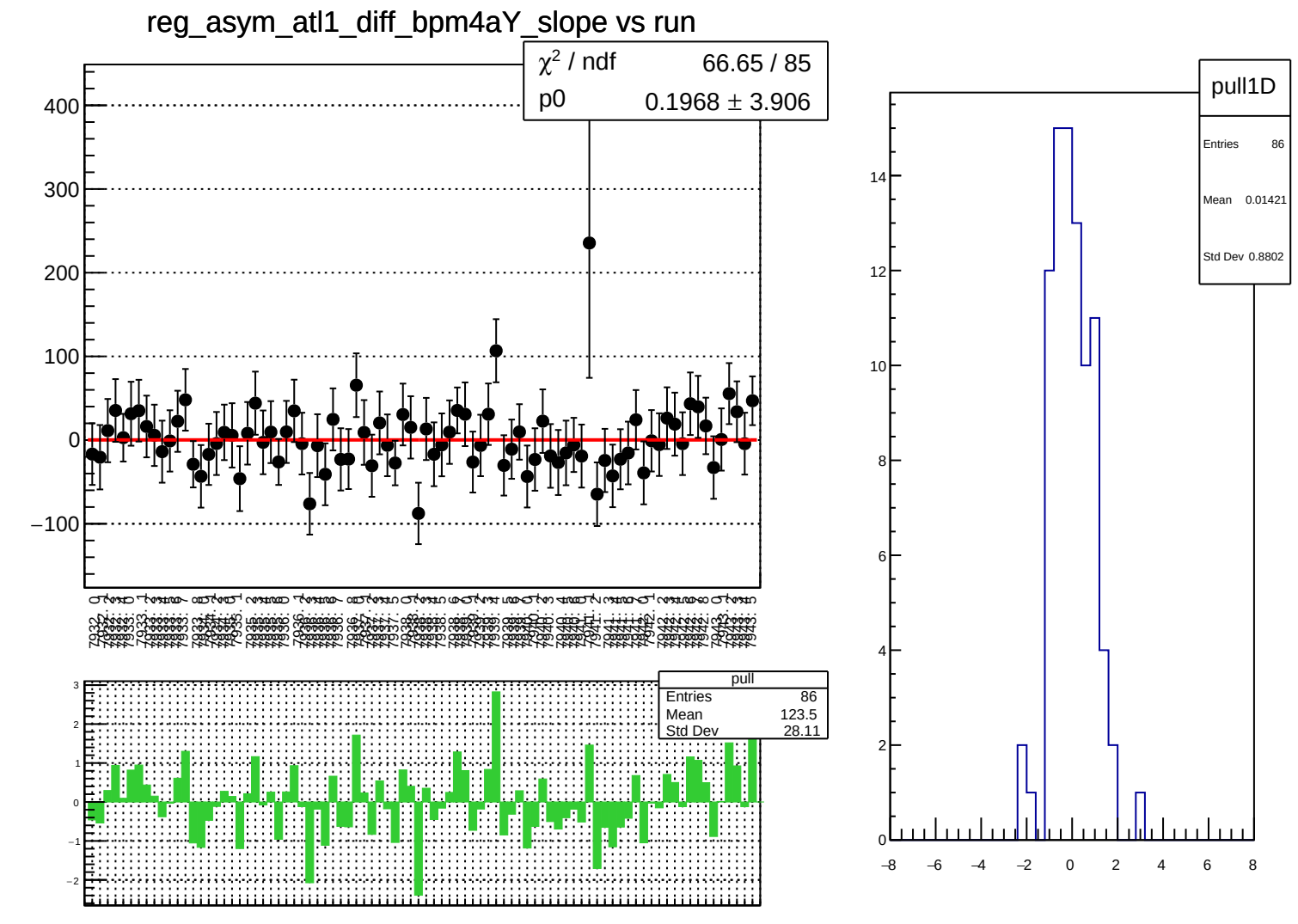

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.345 / 85
p0 15.34 ± 3.279
pull
Entries 86
Mean 465.3
Std Dev 347.3

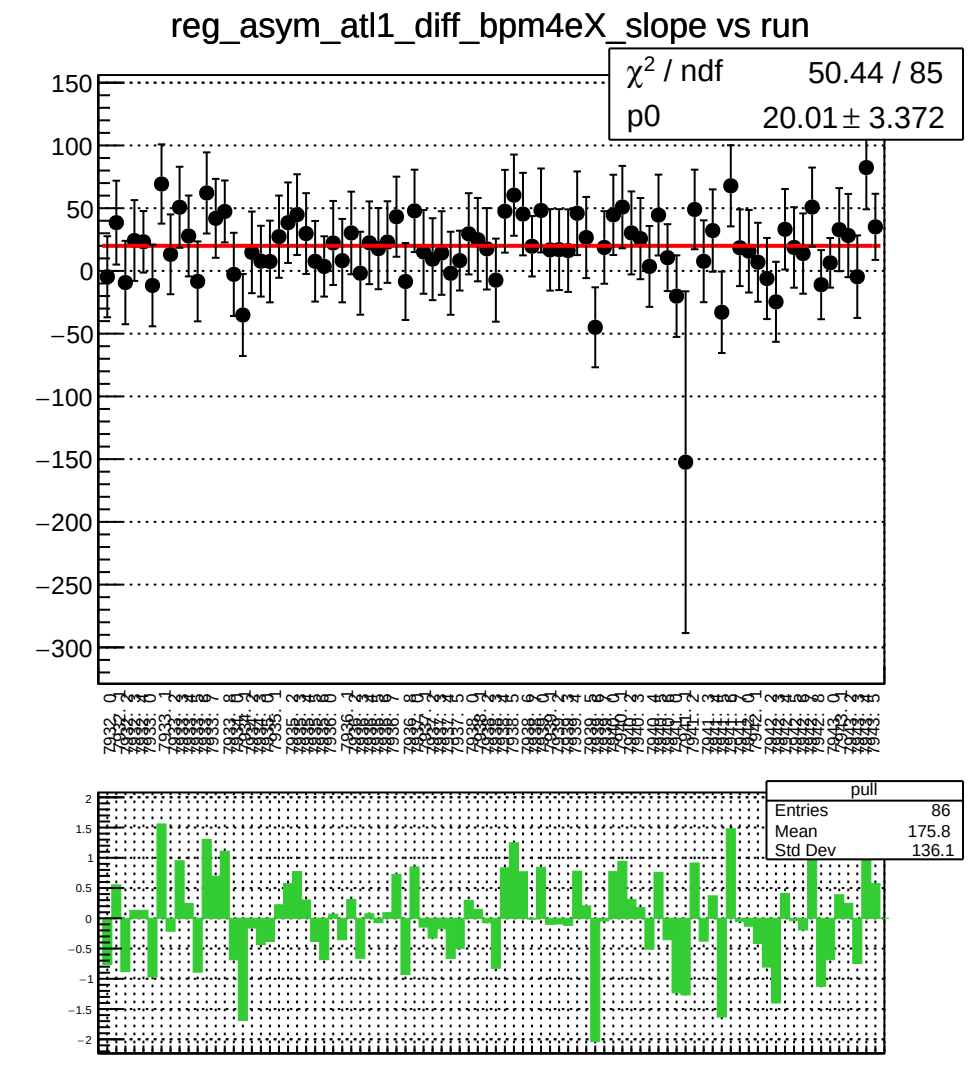

pull1D
Entries 86
Mean −0.00048
Std Dev 0.1651

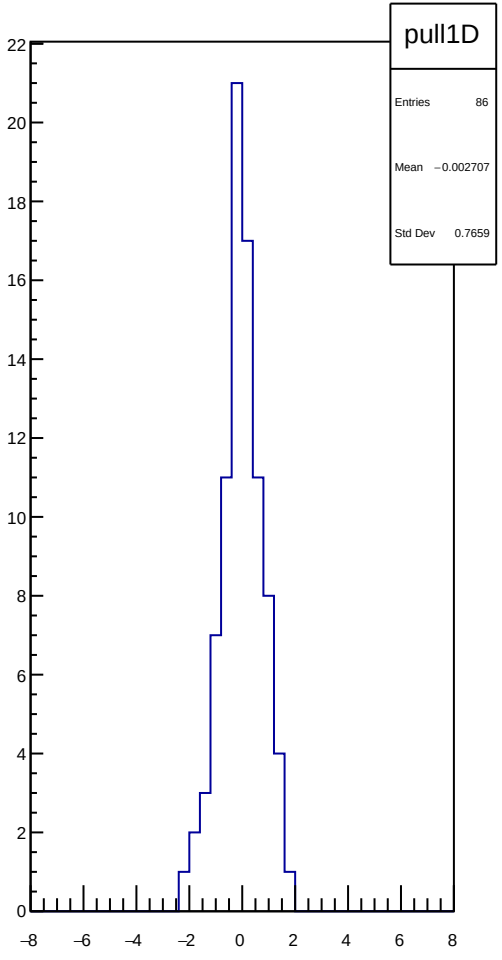

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 3.203 / 85
p0 −0.5549 ± 0.09198
pull
Entries 86
Mean −37.81
Std Dev 50.96

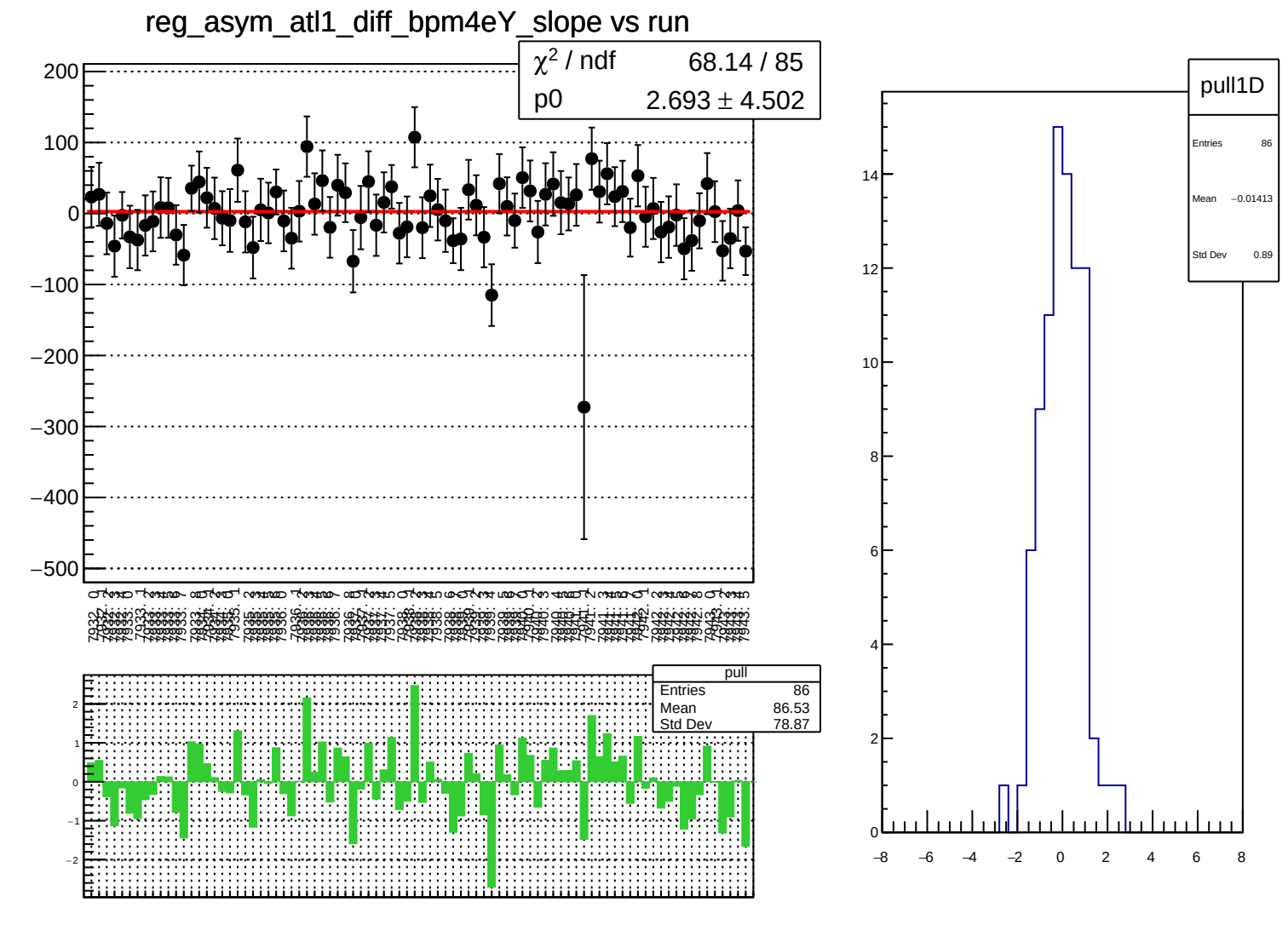

pull1D
Entries 86
Mean −0.003756
Std Dev 0.1929

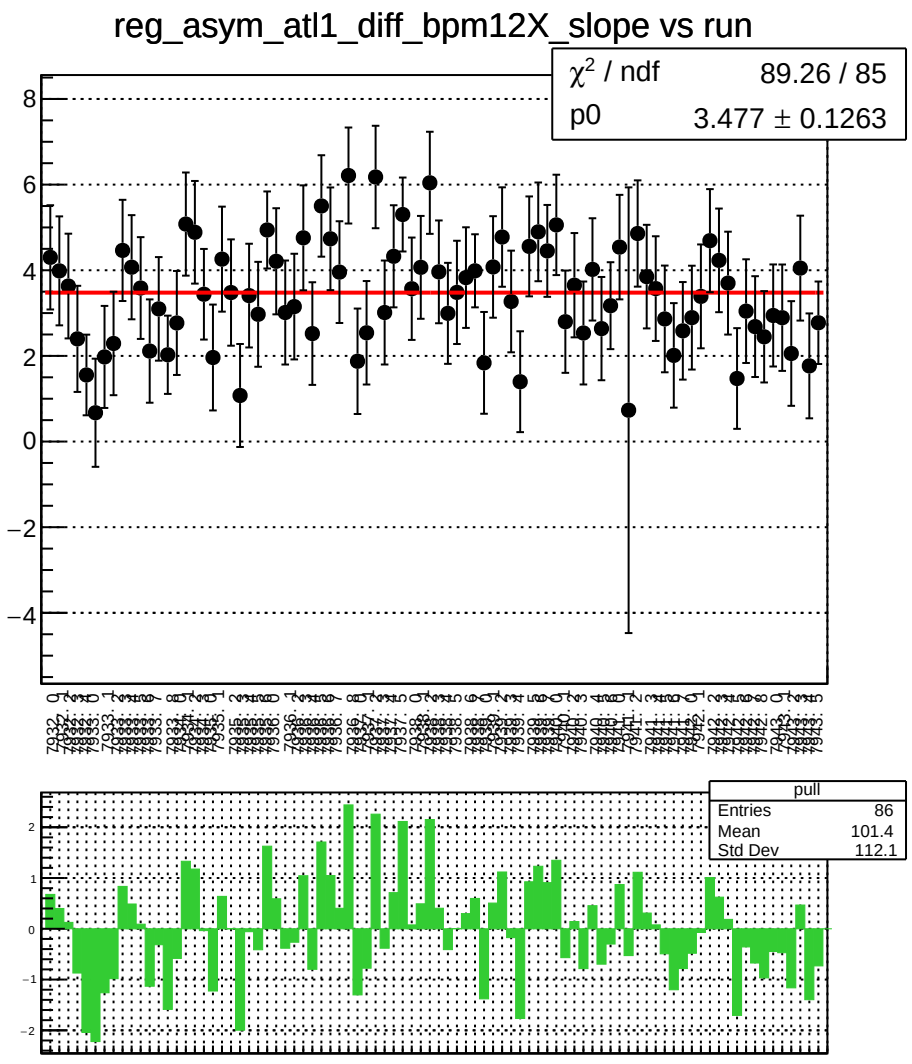

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 50.37 / 85
p0 15.41 ± 3.749
300
200
100
0
−100
pull
Entries 86
Mean 280.7
Std Dev 243.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean 0.001961
Std Dev 0.7653
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

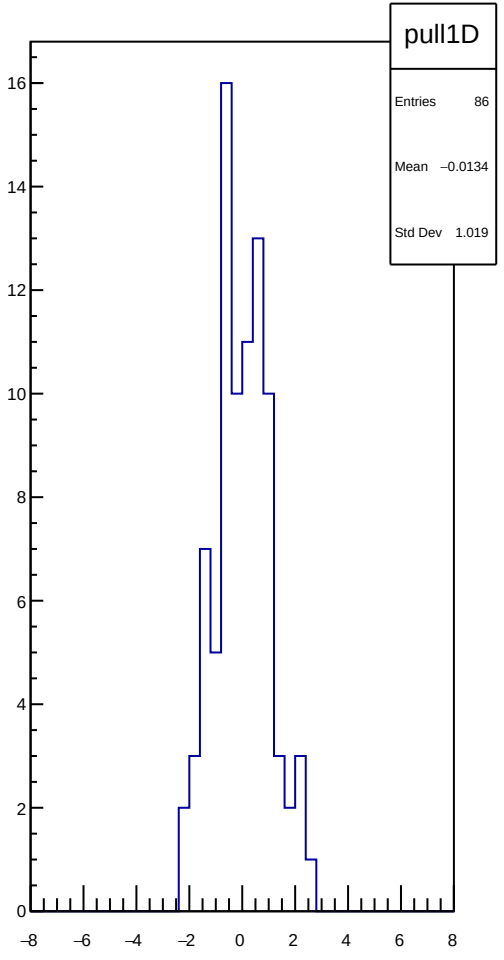

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 66.65 / 85
p0 0.1968 ± 3.906
400
300
200
100
0
−100
pull
Entries 86
Mean 123.5
Std Dev 28.11
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.01421
Std Dev 0.8802
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

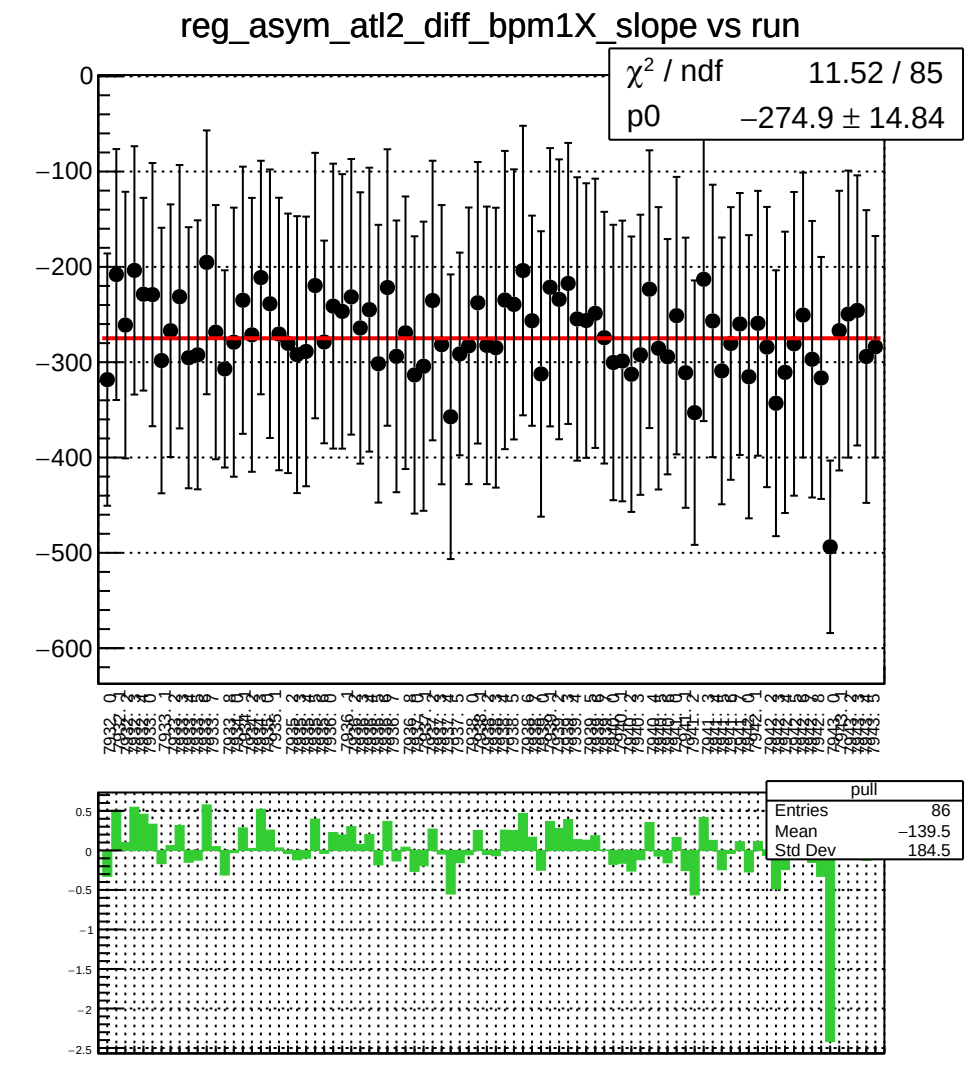

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 50.44 / 85
p0 20.01 ± 3.372
pull
Entries 86
Mean 175.8
Std Dev 136.1

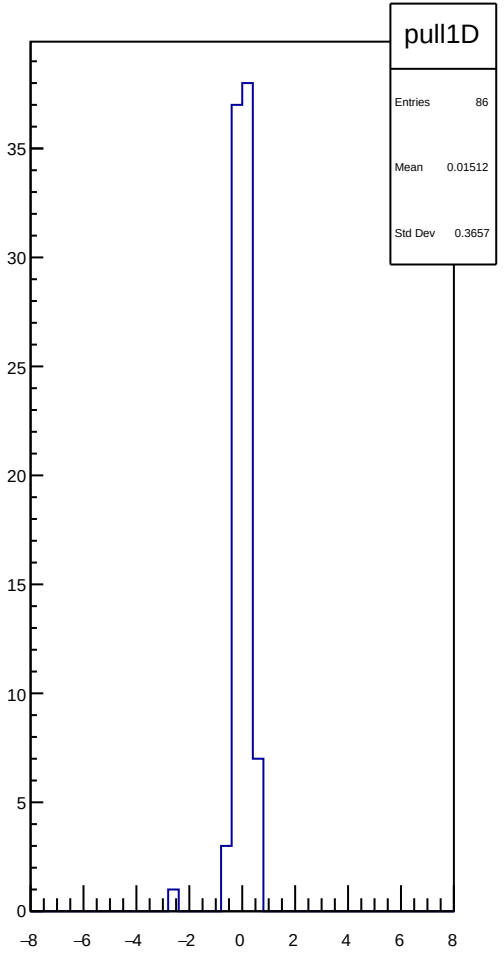

pull1D
Entries 86
Mean −0.002707
Std Dev 0.7659

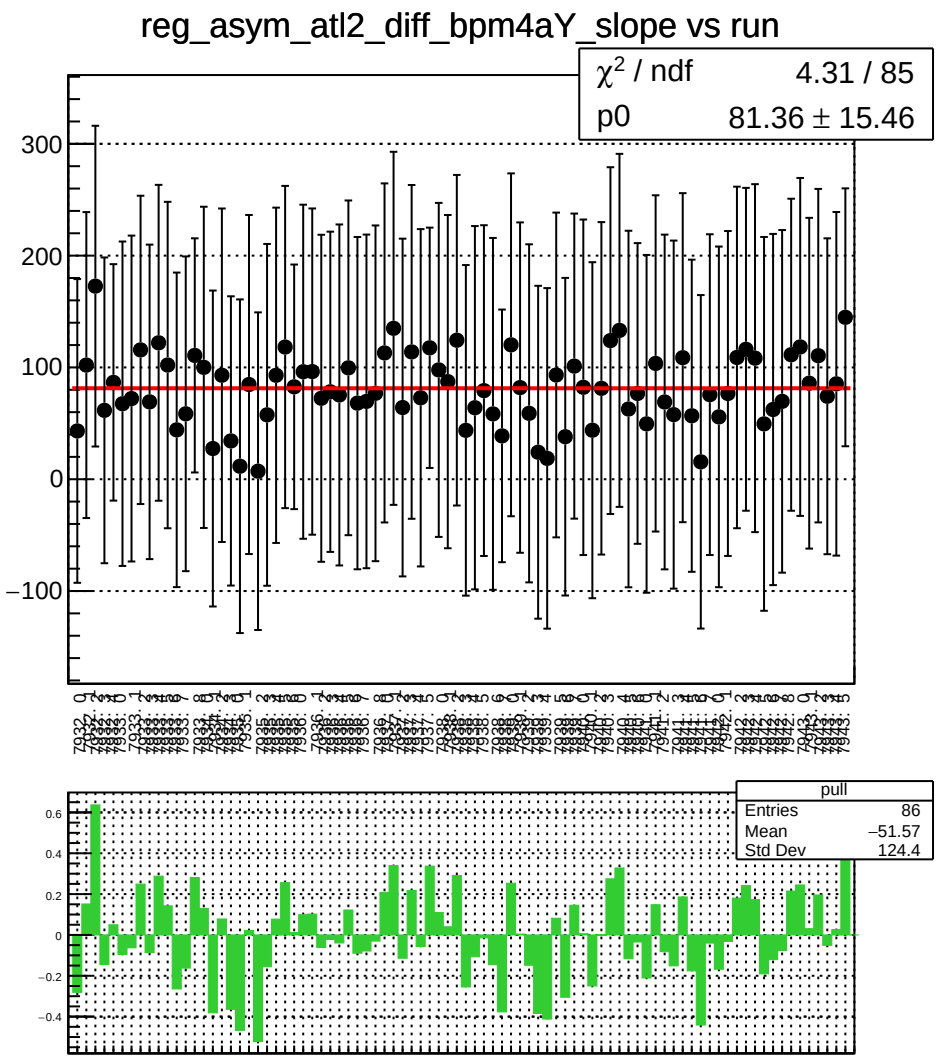

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 68.14 / 85
p0 2.693 ± 4.502
pull
Entries 86
Mean 86.53
Std Dev 78.87
pull1D
Entries 86
Mean −0.01413
Std Dev 0.89

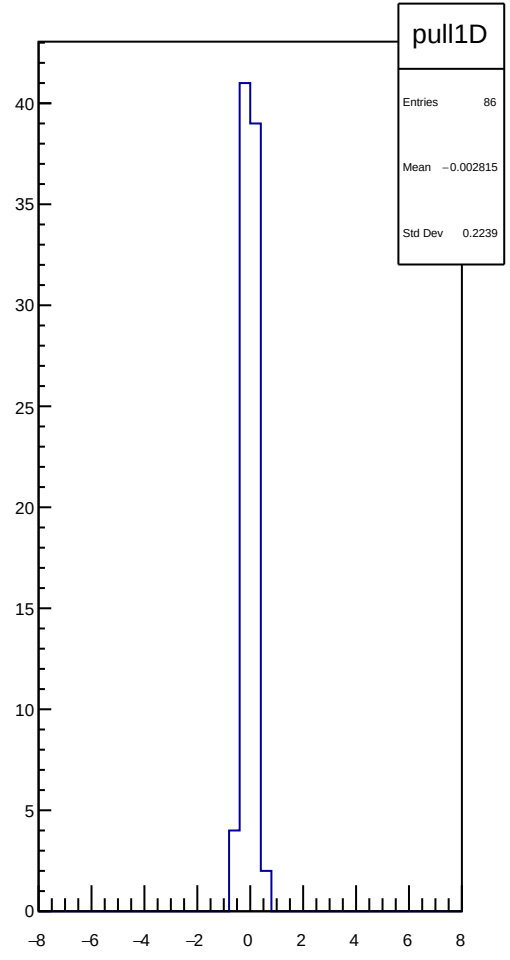

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 89.26 / 85
p0 3.477 ± 0.1263
pull
Entries 86
Mean 101.4
Std Dev 112.1

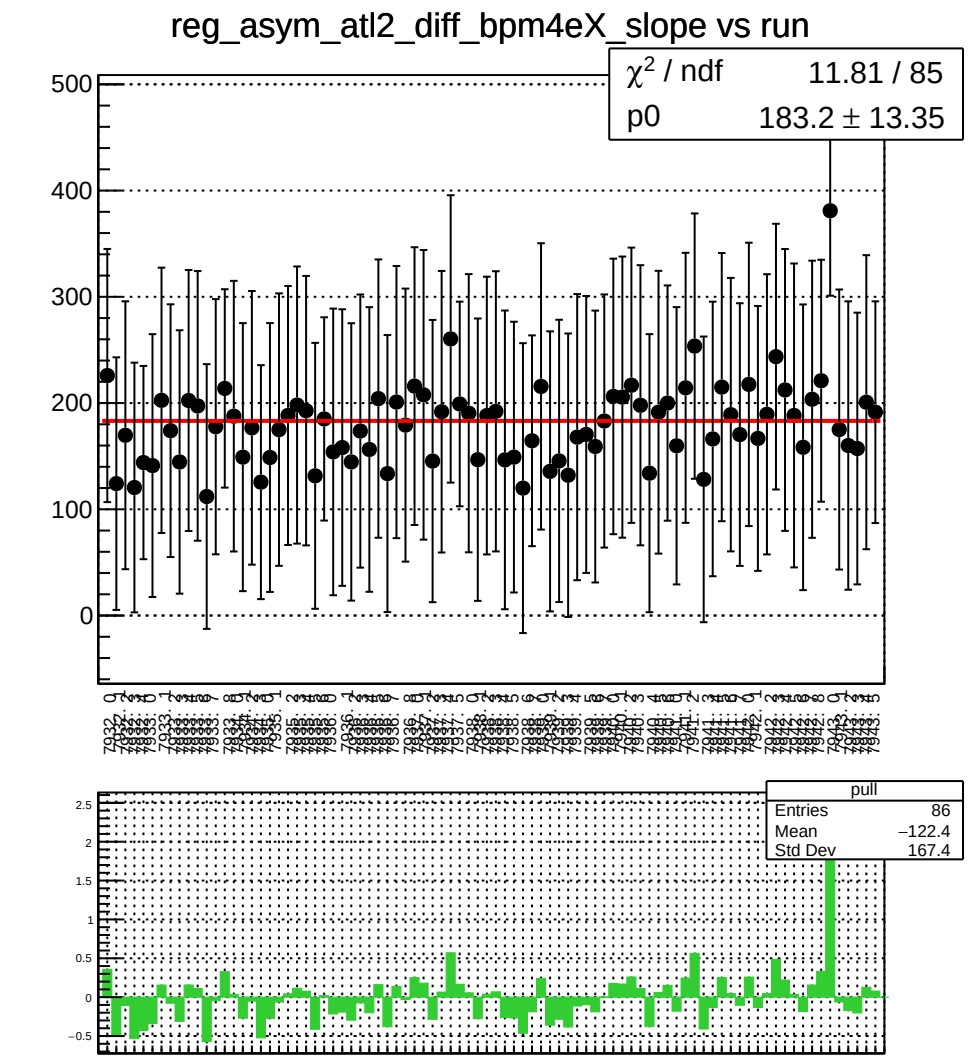

pull1D
Entries 86
Mean −0.0134
Std Dev 1.019

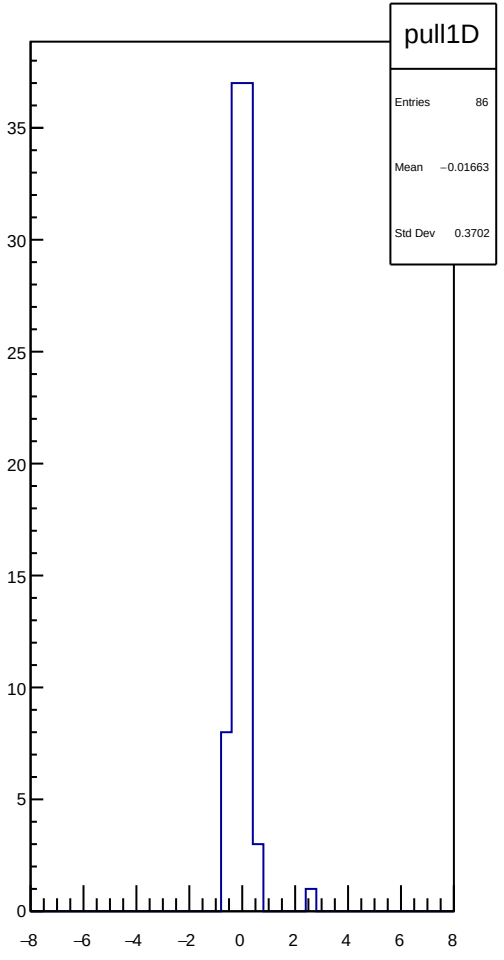

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 11.52 / 85
p0 −274.9 ± 14.84
pull
Entries 86
Mean −139.5
Std Dev 184.5

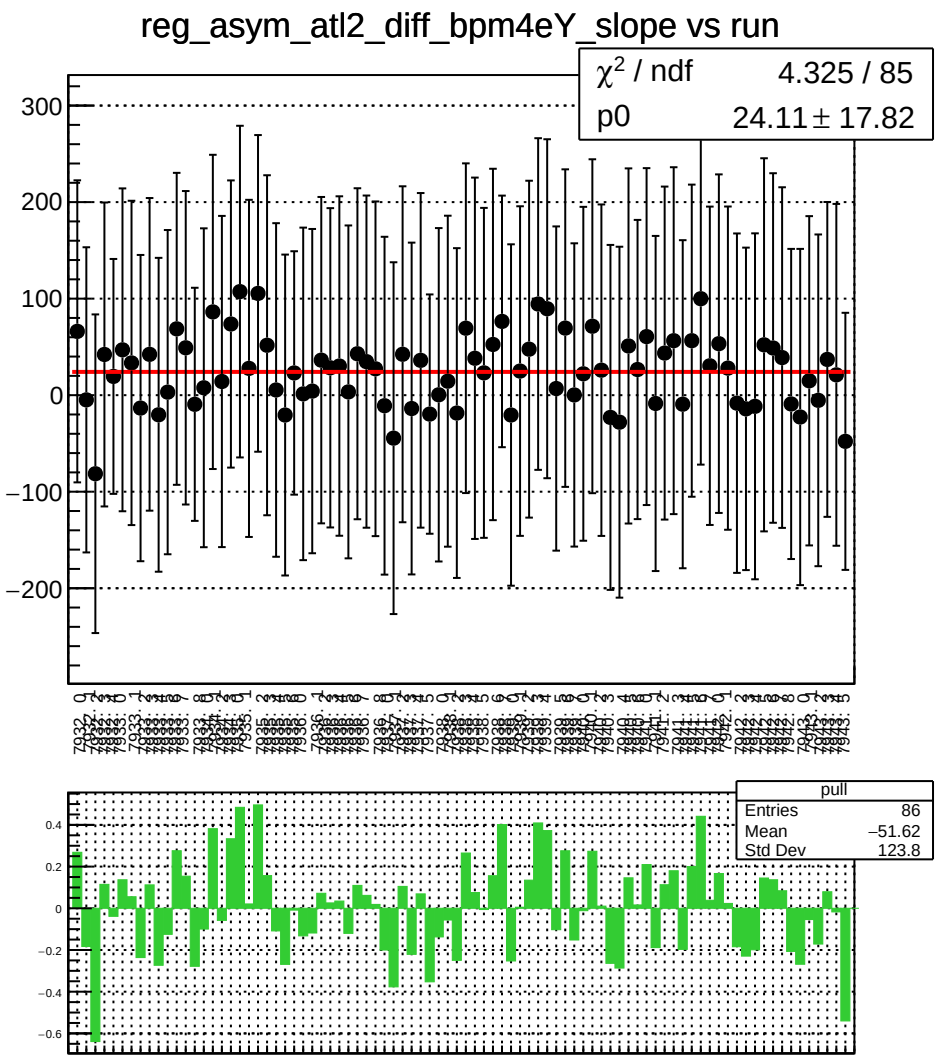

pull1D
Entries 86
Mean 0.01512
Std Dev 0.3657

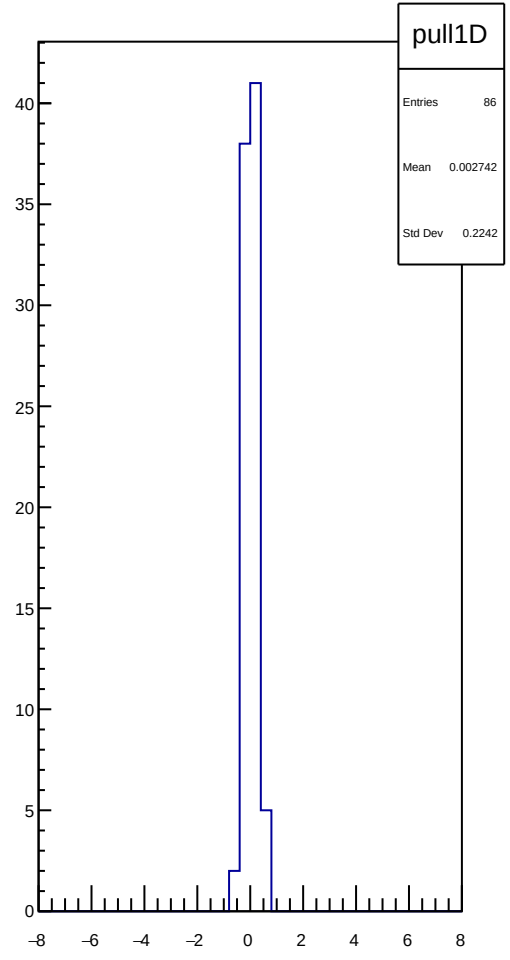

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 4.31 / 85
p0 81.36 ± 15.46
300
200
100
0
−100
pull
Entries 86
Mean −51.57
Std Dev 124.4
0.6
0.4
0.2
0
−0.2
−0.4

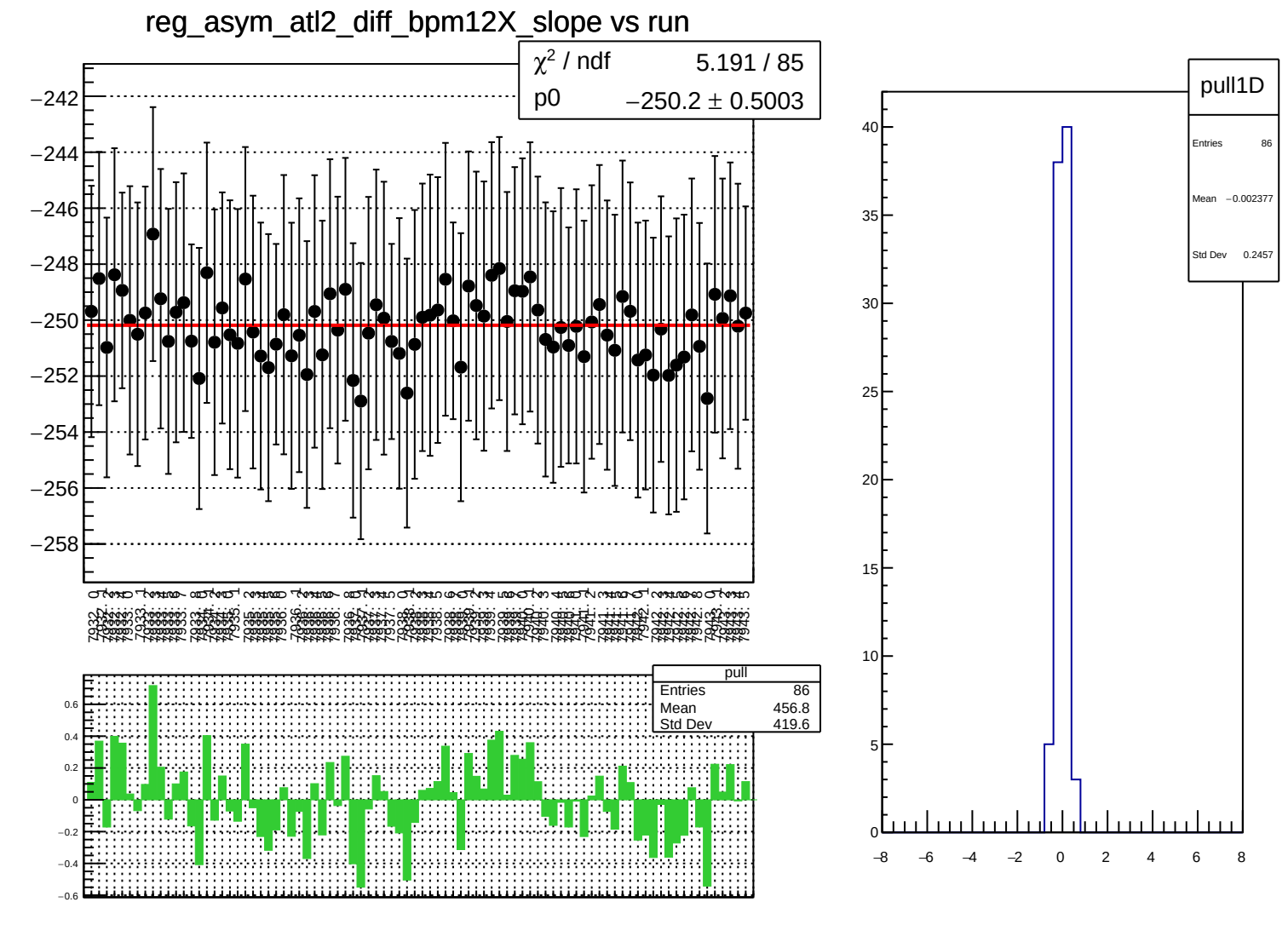

pull1D
Entries 86
Mean −0.002815
Std Dev 0.2239
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

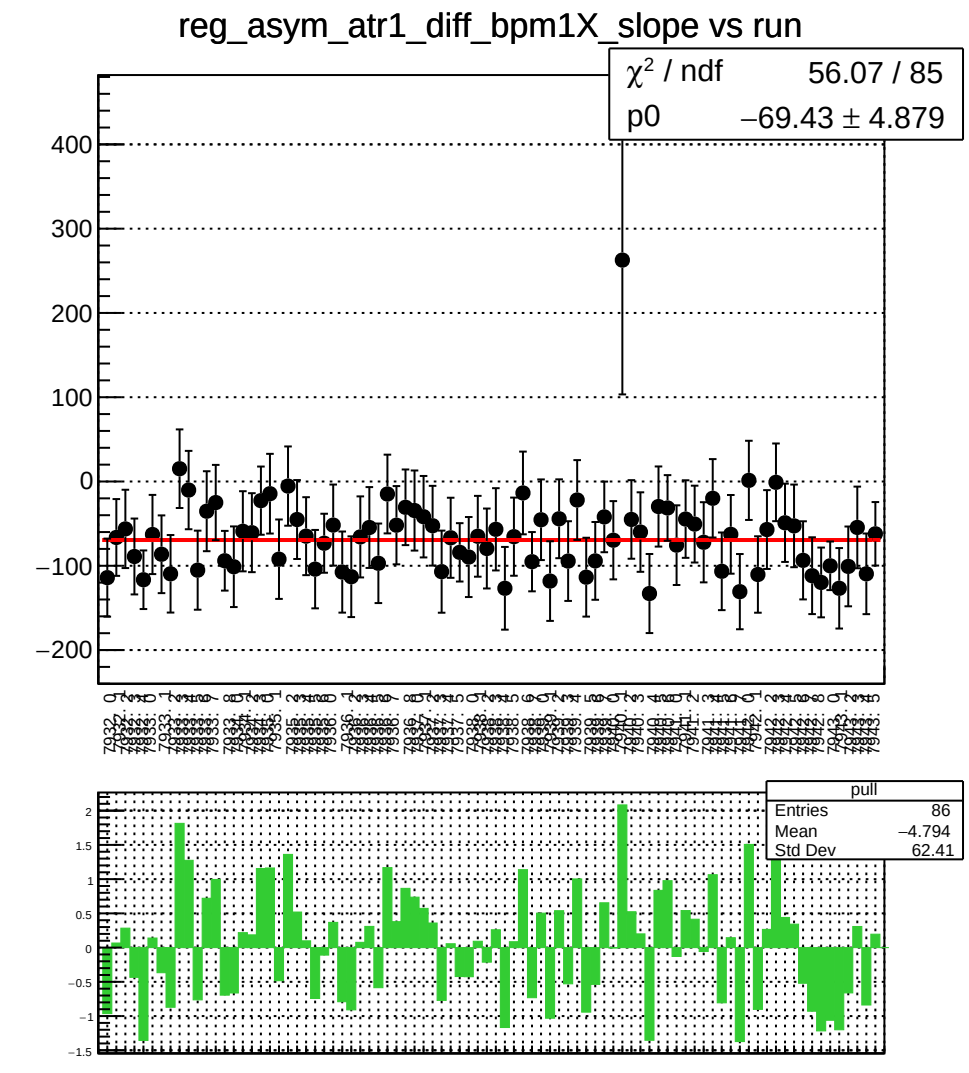

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 11.81 / 85
p0 183.2 ± 13.35
pull
Entries 86
Mean −122.4
Std Dev 167.4

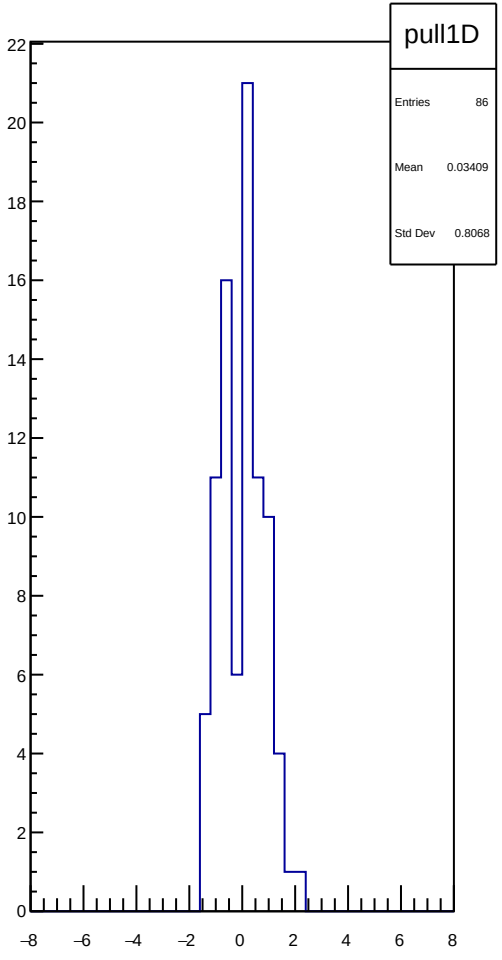

pull1D
Entries 86
Mean −0.01663
Std Dev 0.3702

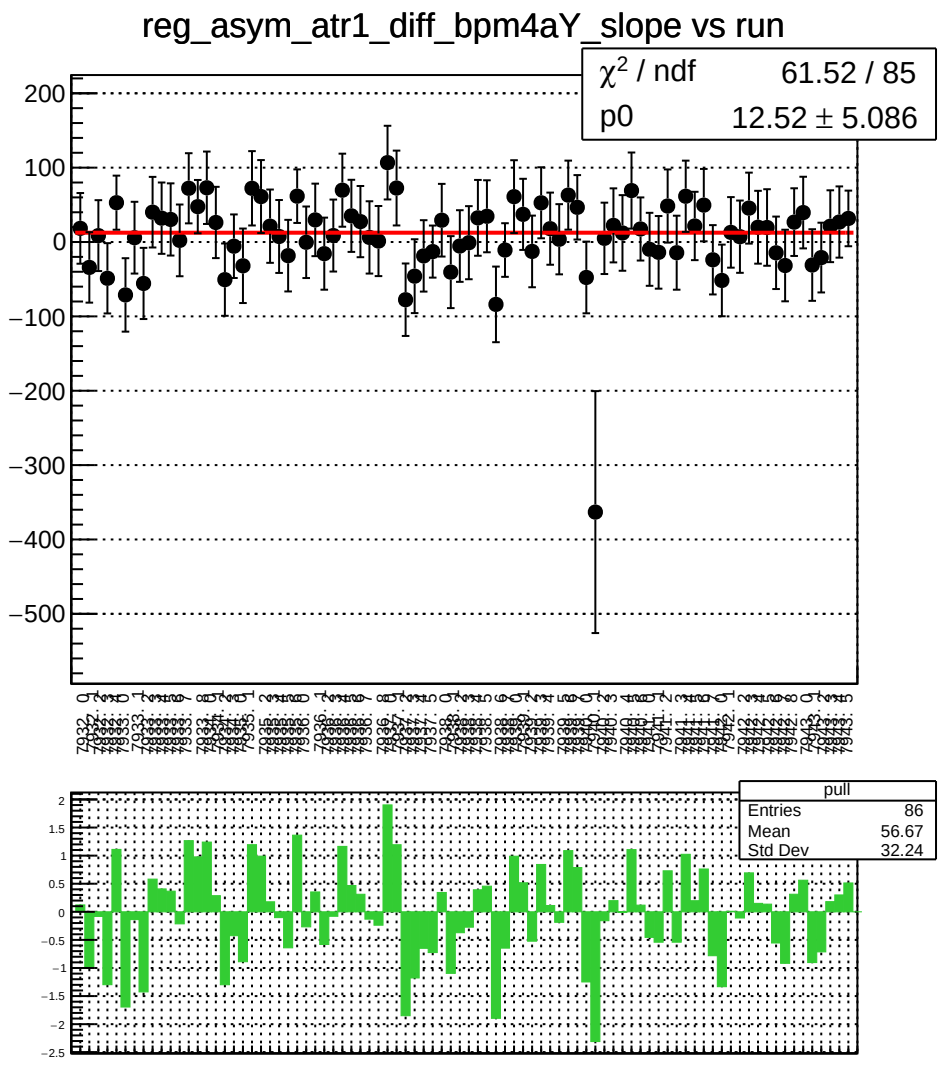

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 4.325 / 85
p0 24.11 ± 17.82
300
200
100
0
−100
−200
pull
Entries 86
Mean −51.62
Std Dev 123.8
0.4
0.2
0
−0.2
−0.4
−0.6

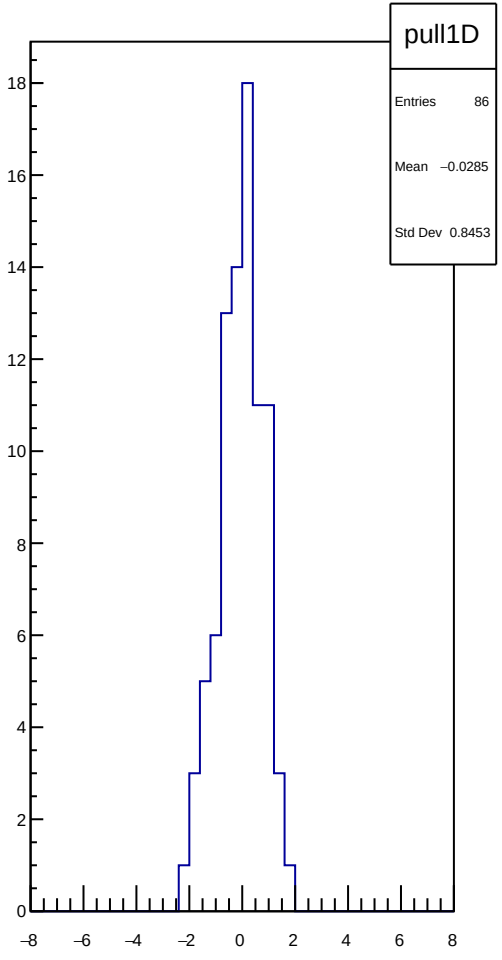

pull1D
Entries 86
Mean 0.002742
Std Dev 0.2242
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

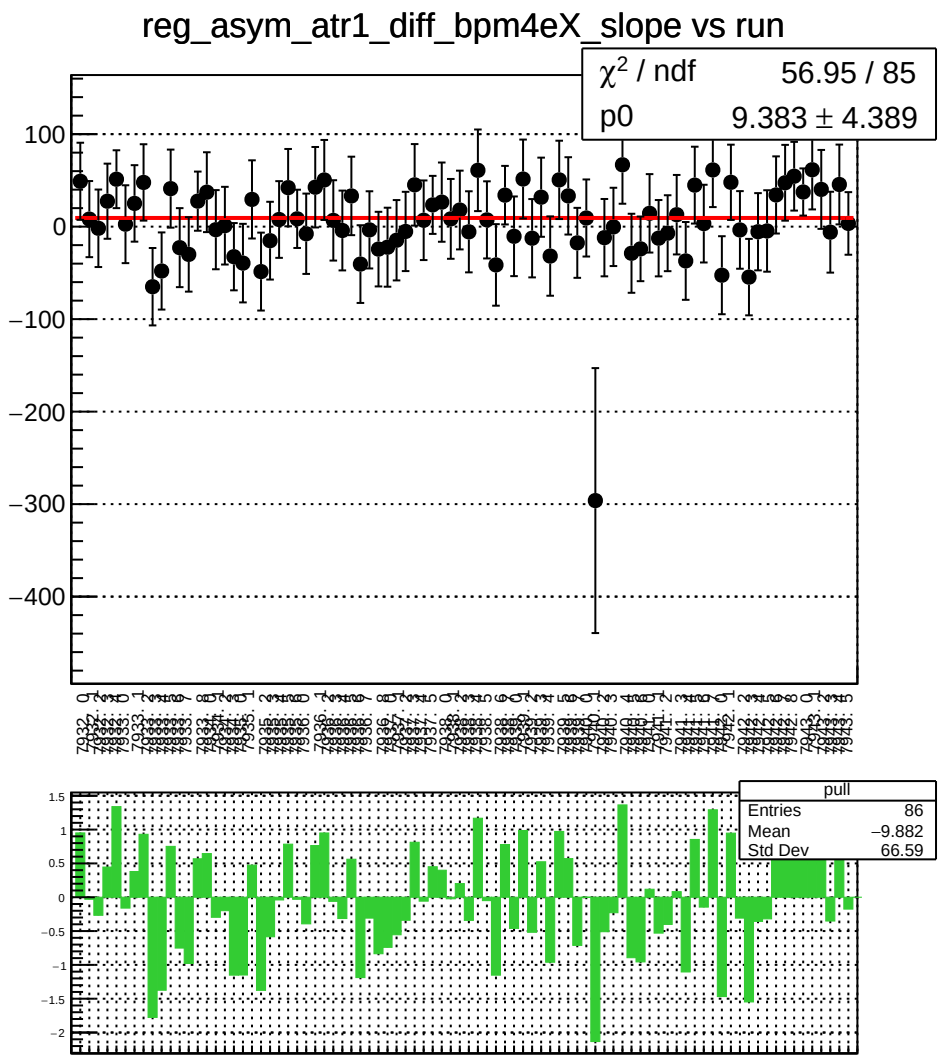

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 5.191 / 85
p0 −250.2 ± 0.5003
pull
Entries 86
Mean 456.8
Std Dev 419.6
pull1D
Entries 86
Mean −0.002377
Std Dev 0.2457

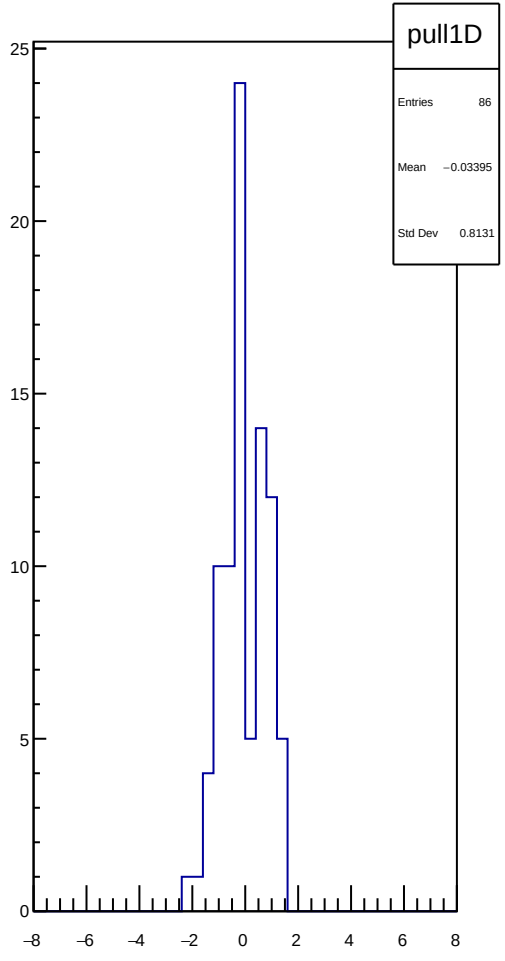

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 56.07 / 85
p0 −69.43 ± 4.879
pull
Entries 86
Mean −4.794
Std Dev 62.41

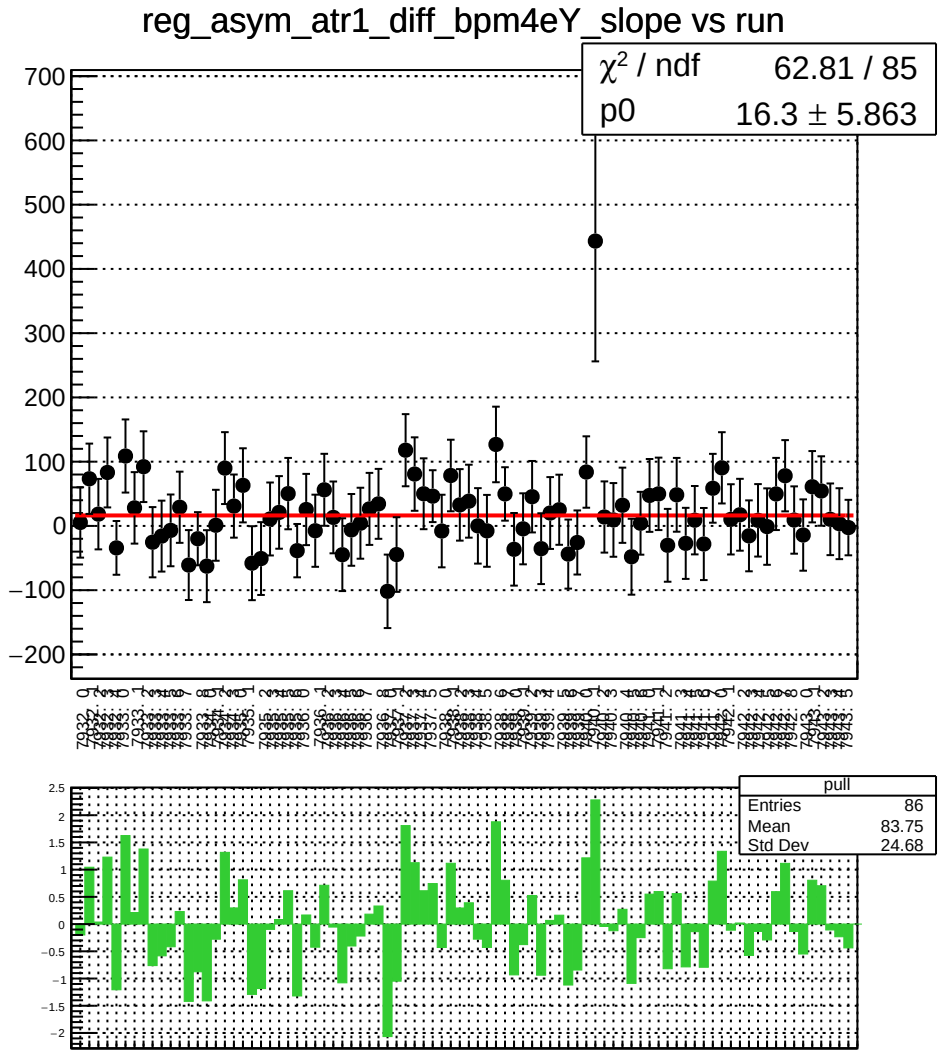

pull1D
Entries 86
Mean 0.03409
Std Dev 0.8068

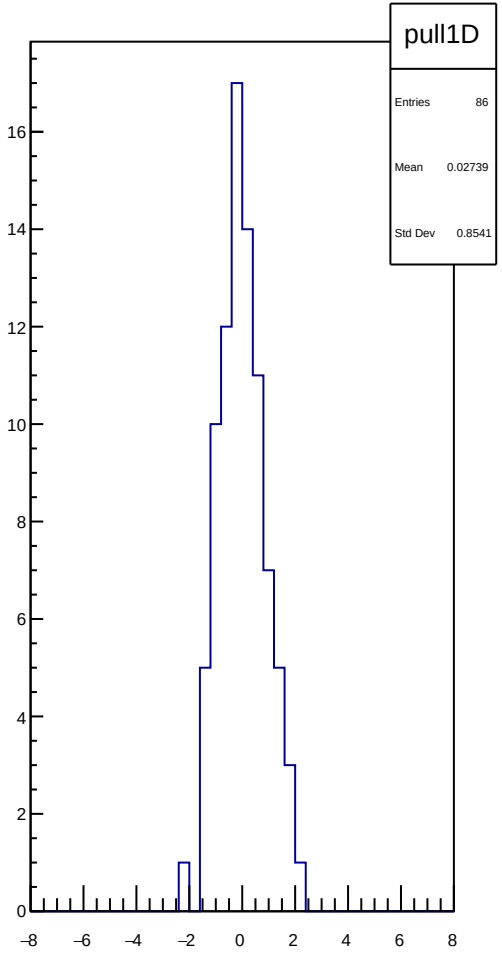

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 61.52 / 85
p0 12.52 ± 5.086
pull
Entries 86
Mean 56.67
Std Dev 32.24

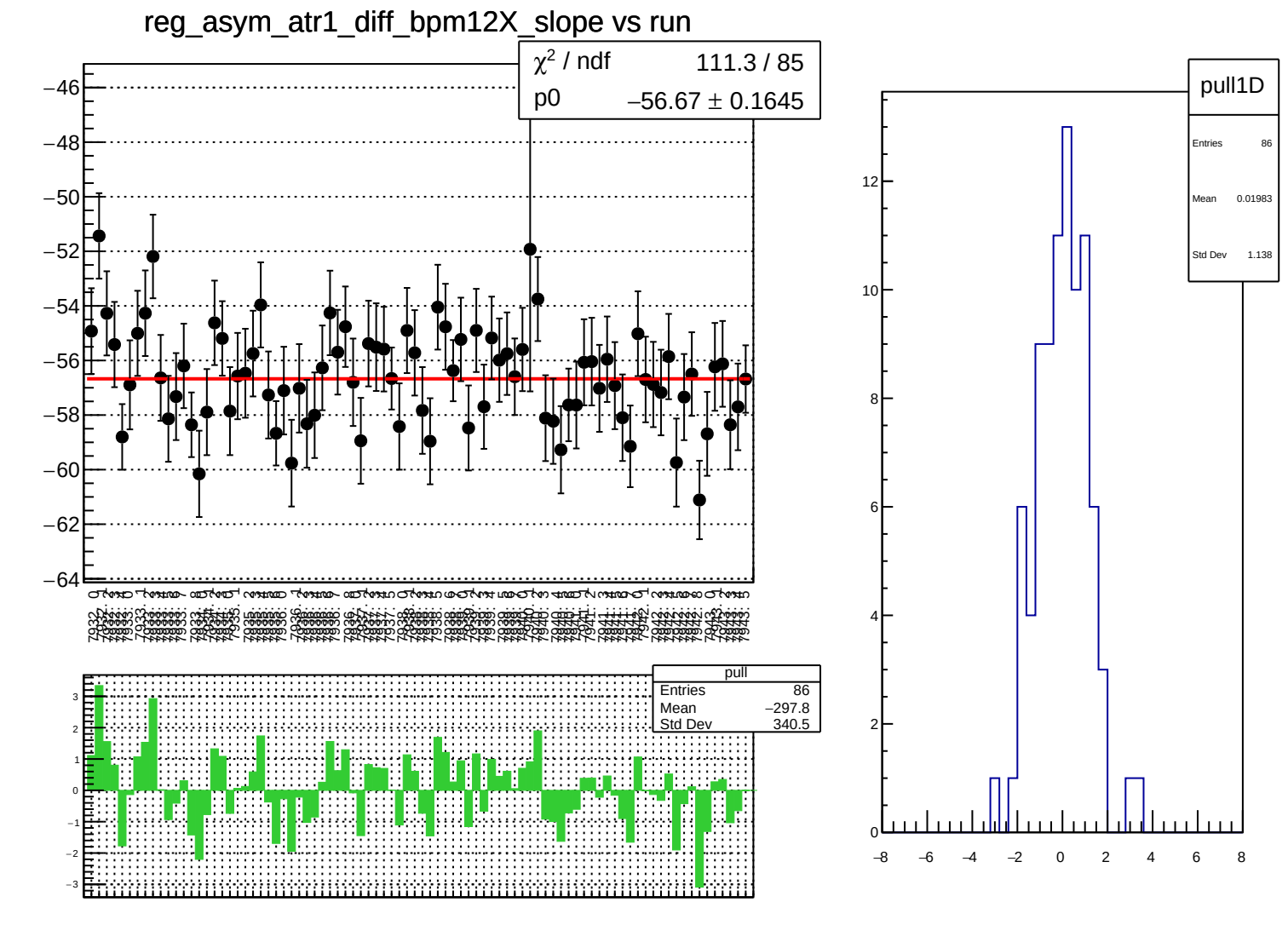

pull1D
Entries 86
Mean −0.0285
Std Dev 0.8453

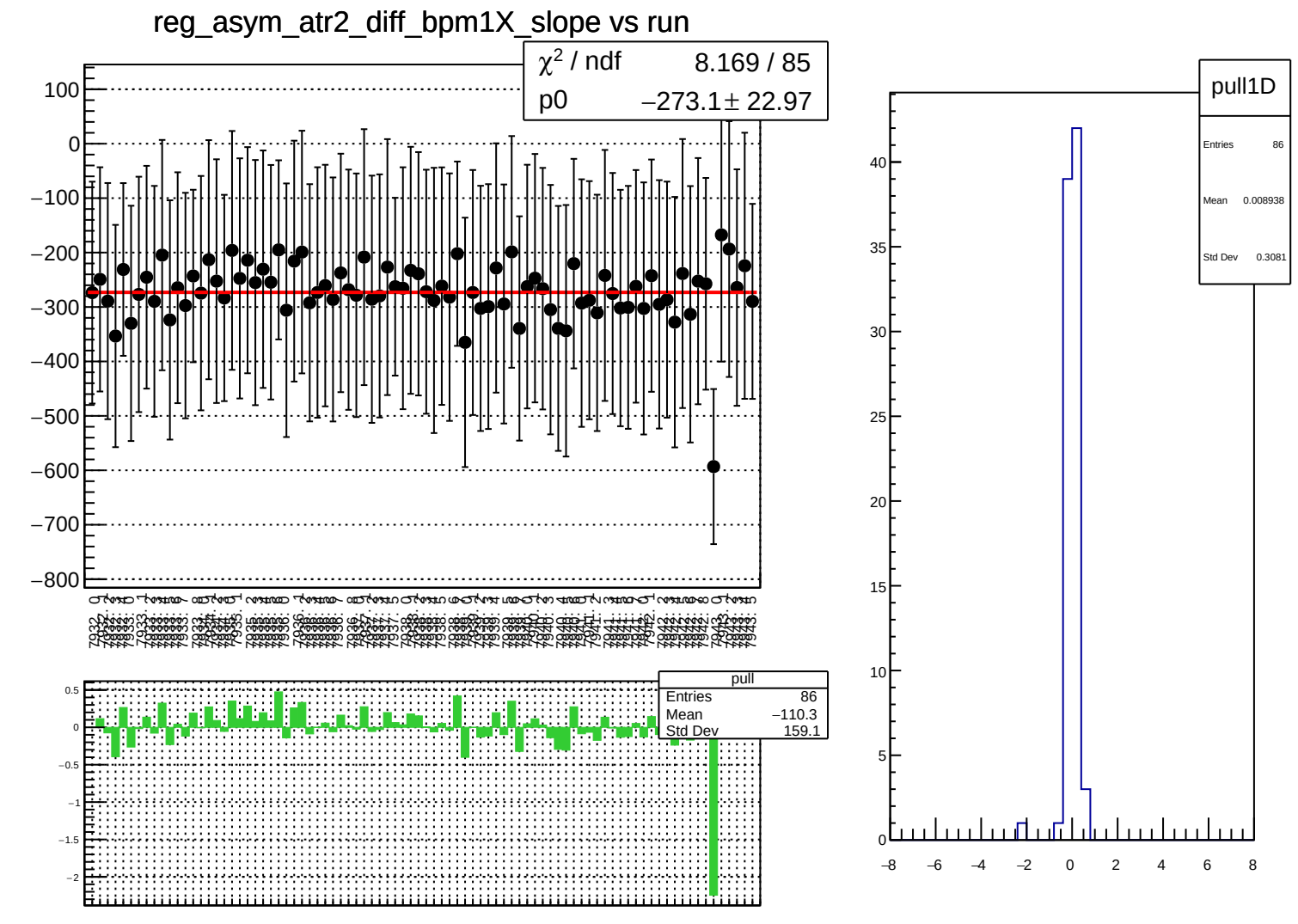

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 56.95 / 85
p0 9.383 ± 4.389
100
0
−100
−200
−300
−400
pull
Entries 86
Mean −9.882
Std Dev 66.59
1.5
1
0.5
0
−0.5
−1
−1.5
−2

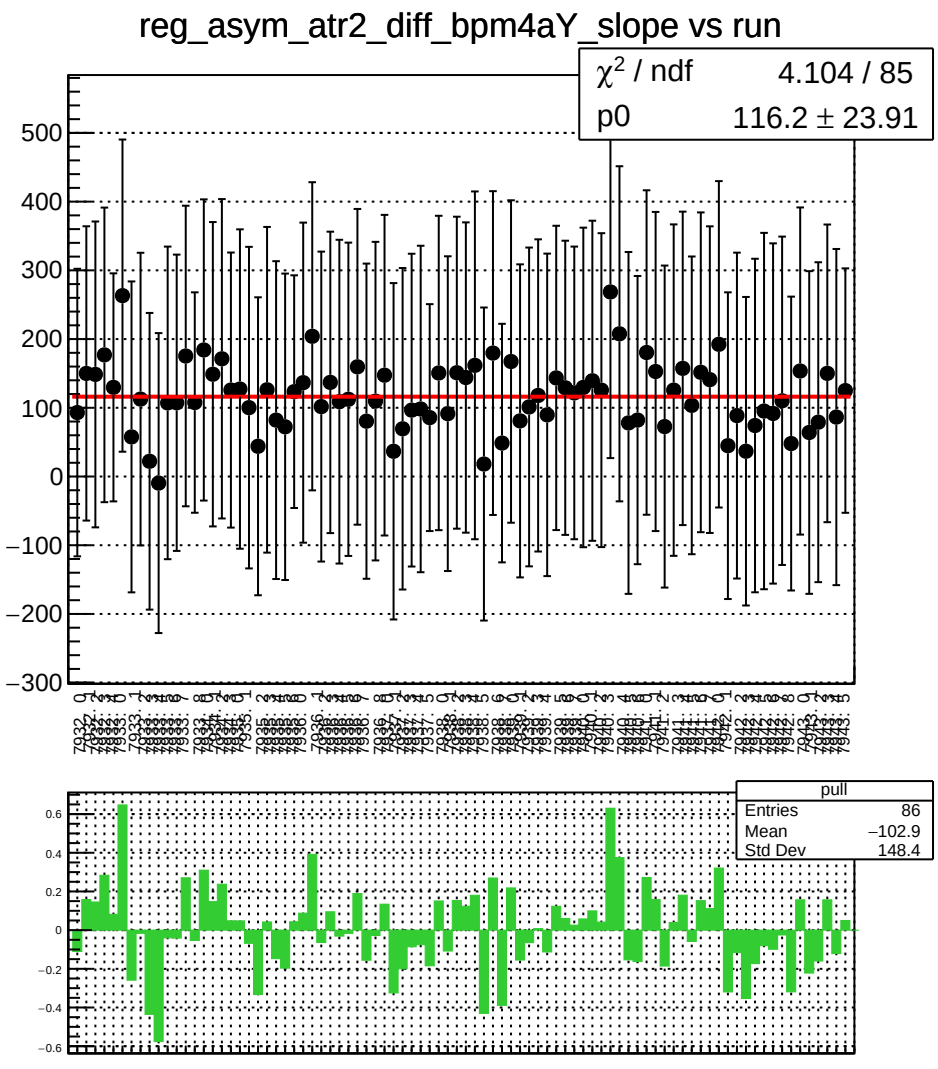

pull1D
Entries 86
Mean −0.03395
Std Dev 0.8131
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

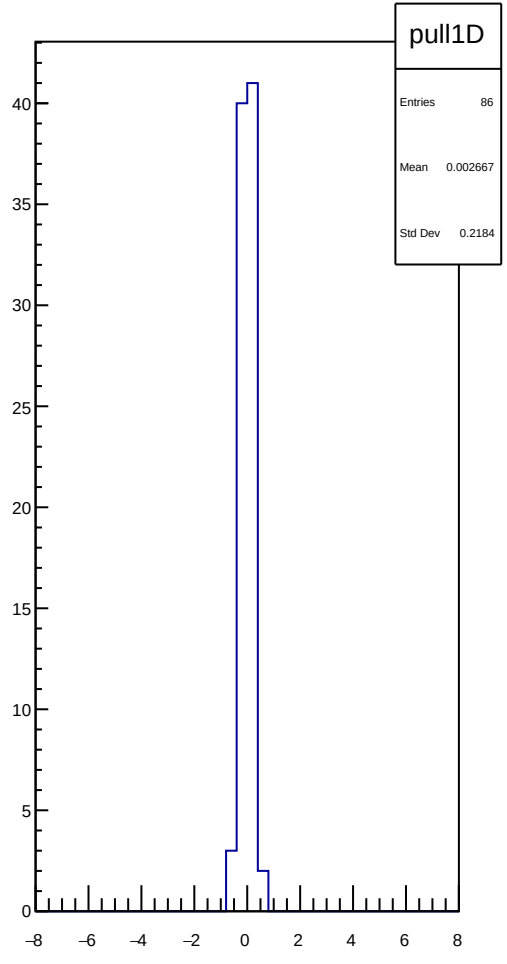

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 62.81 / 85
p0 16.3 ± 5.863
pull
Entries 86
Mean 83.75
Std Dev 24.68

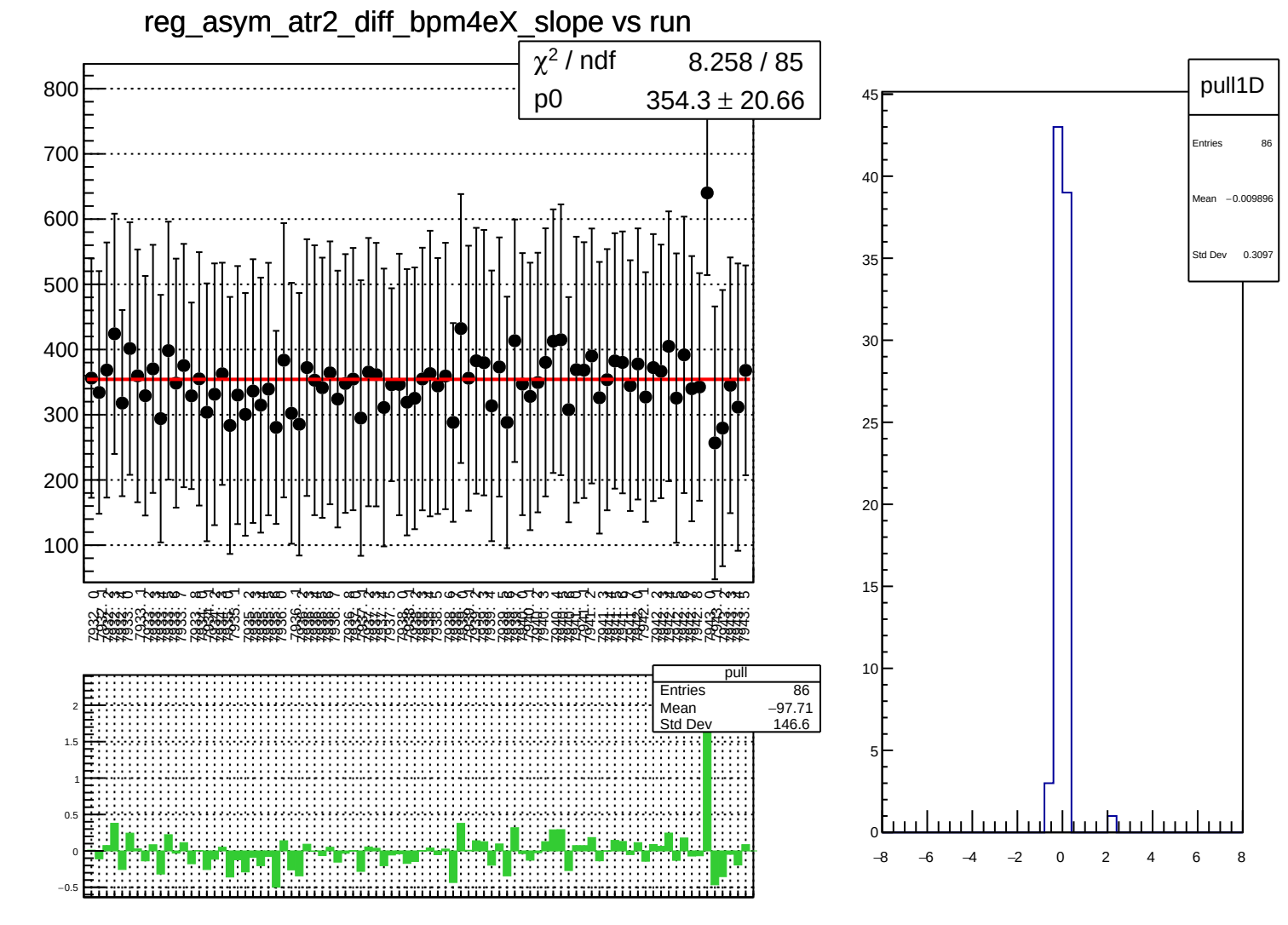

pull1D
Entries 86
Mean 0.02739
Std Dev 0.8541

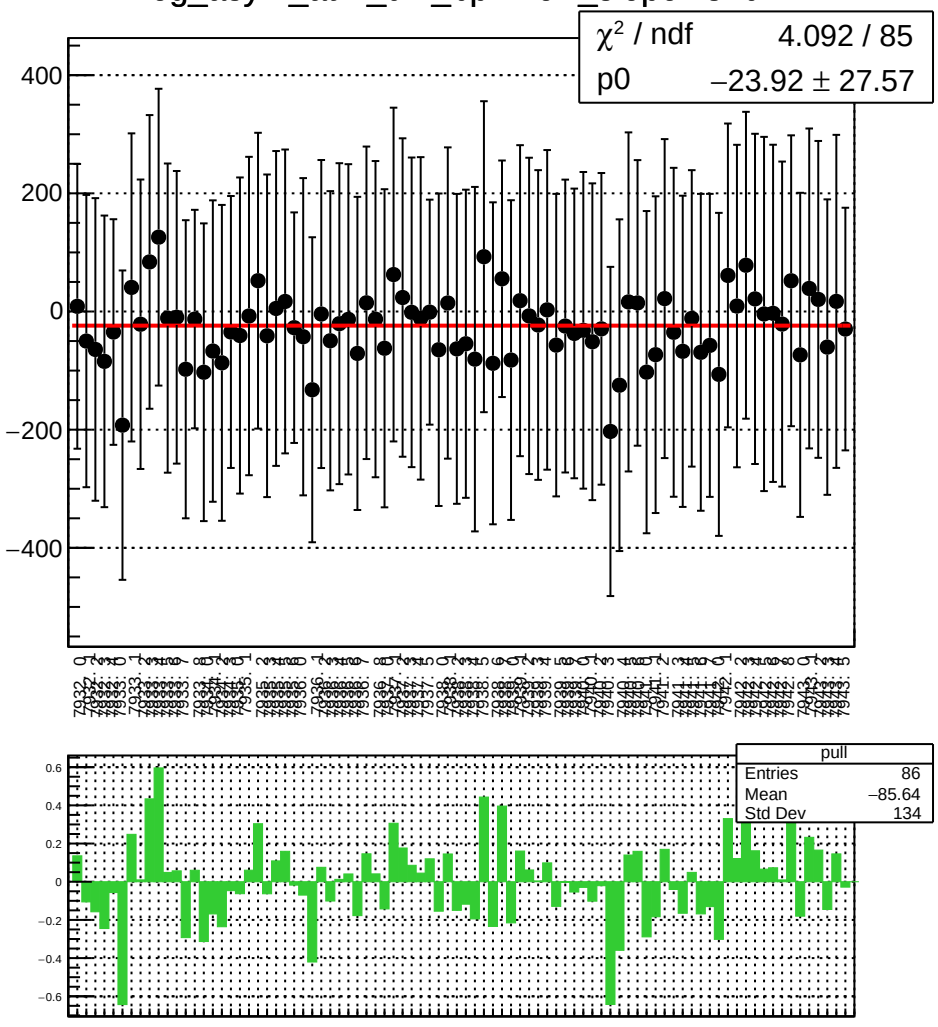

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 111.3 / 85
p0 −56.67 ± 0.1645
pull
Entries 86
Mean −297.8
Std Dev 340.5
pull1D
Entries 86
Mean 0.01983
Std Dev 1.138

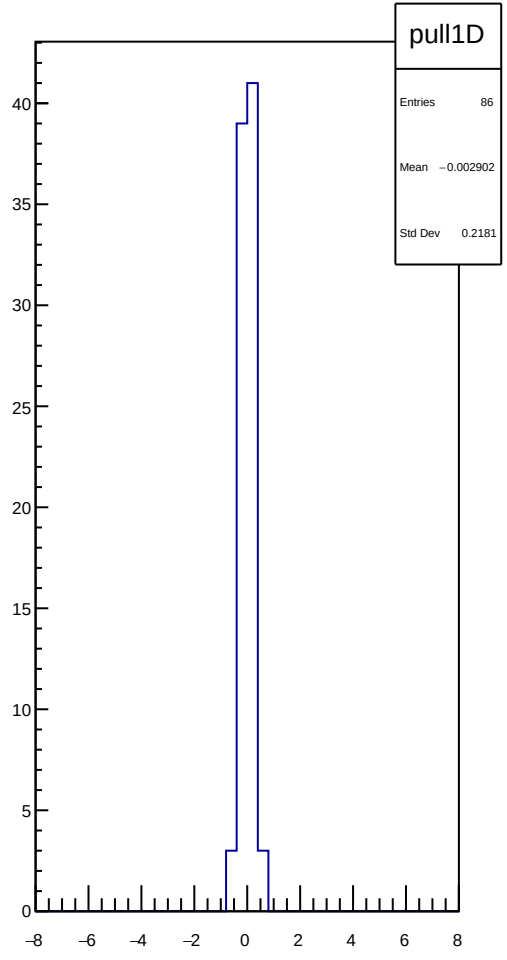

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 8.169 / 85
p0 −273.1± 22.97
pull
Entries 86
Mean −110.3
Std Dev 159.1
pull1D
Entries 86
Mean 0.008938
Std Dev 0.3081

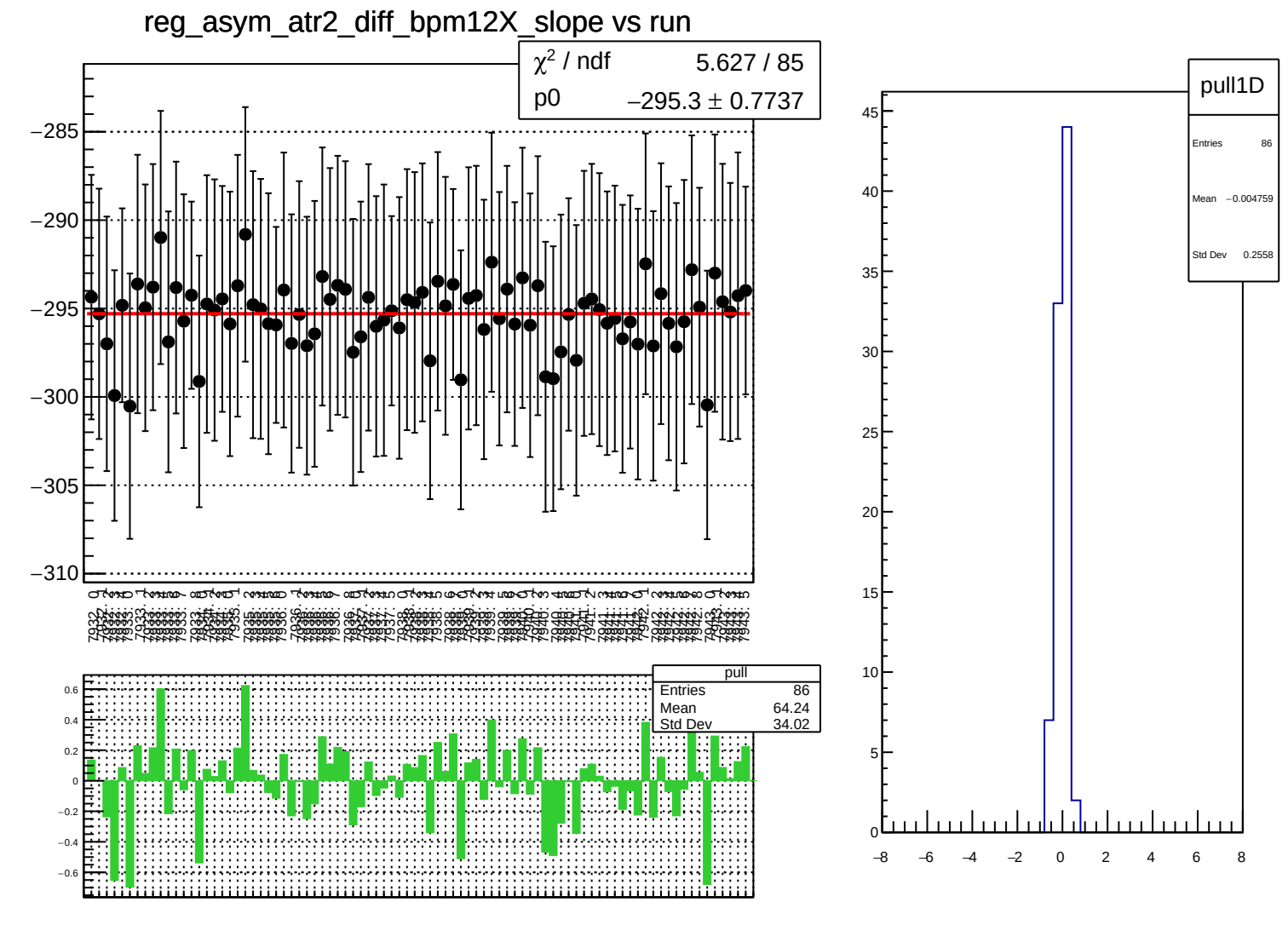

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 4.104 / 85
p0 116.2 ± 23.91
pull
Entries 86
Mean −102.9
Std Dev 148.4

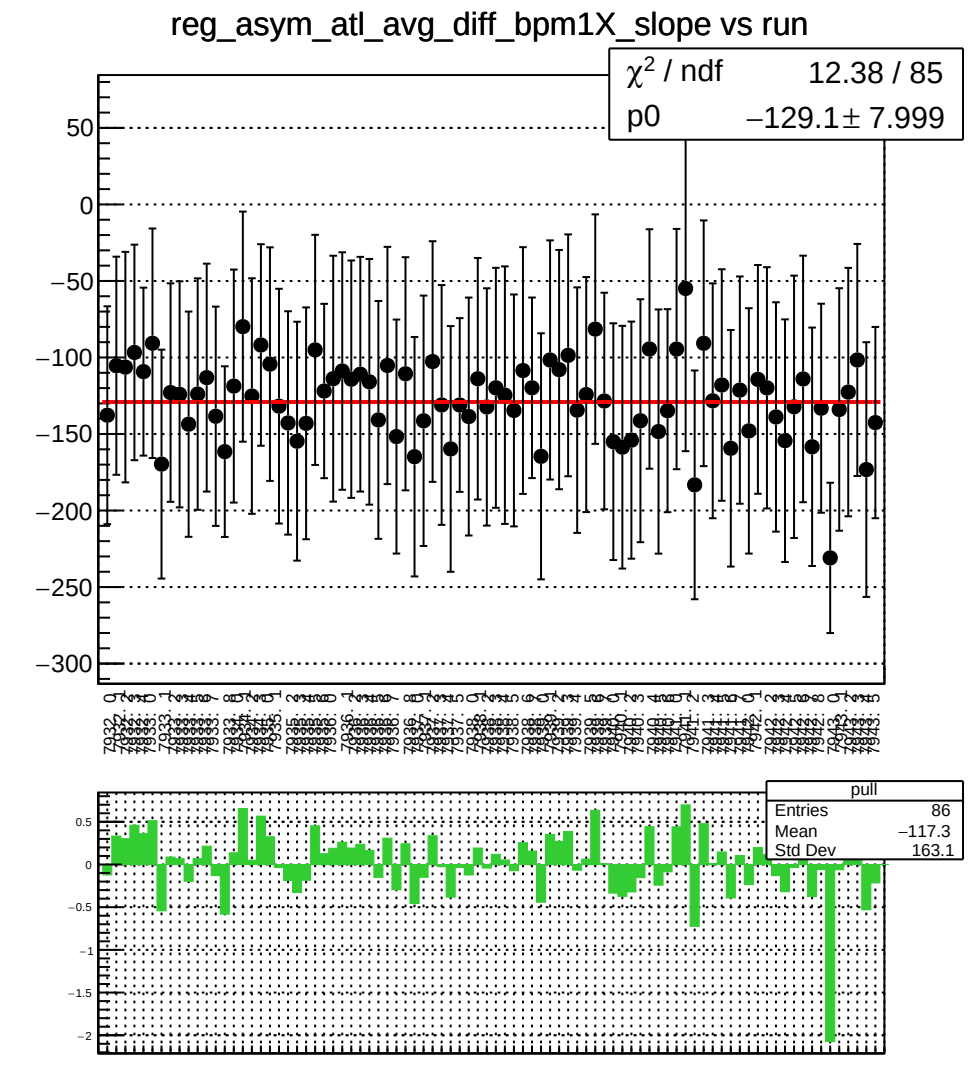

pull1D
Entries 86
Mean 0.002667
Std Dev 0.2184

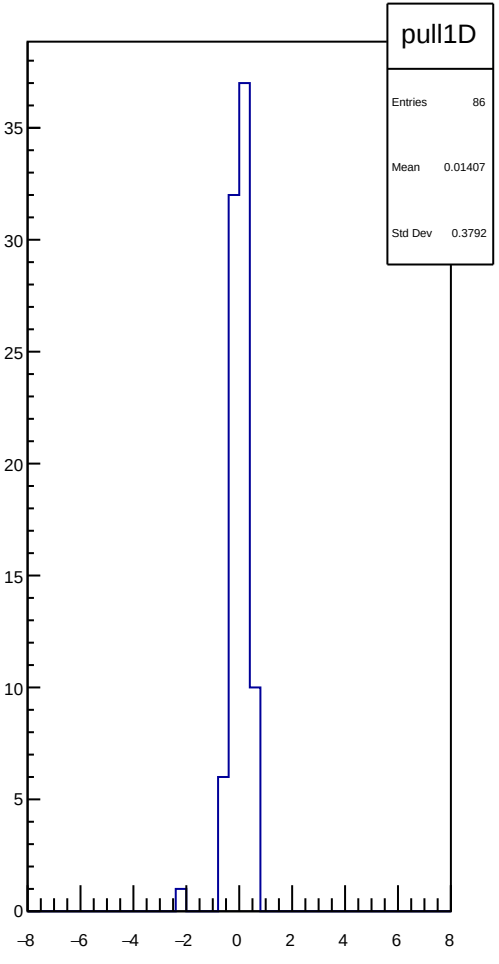

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 8.258 / 85
p0 354.3 ± 20.66
pull
Entries 86
Mean −97.71
Std Dev 146.6
pull1D
Entries 86
Mean −0.009896
Std Dev 0.3097

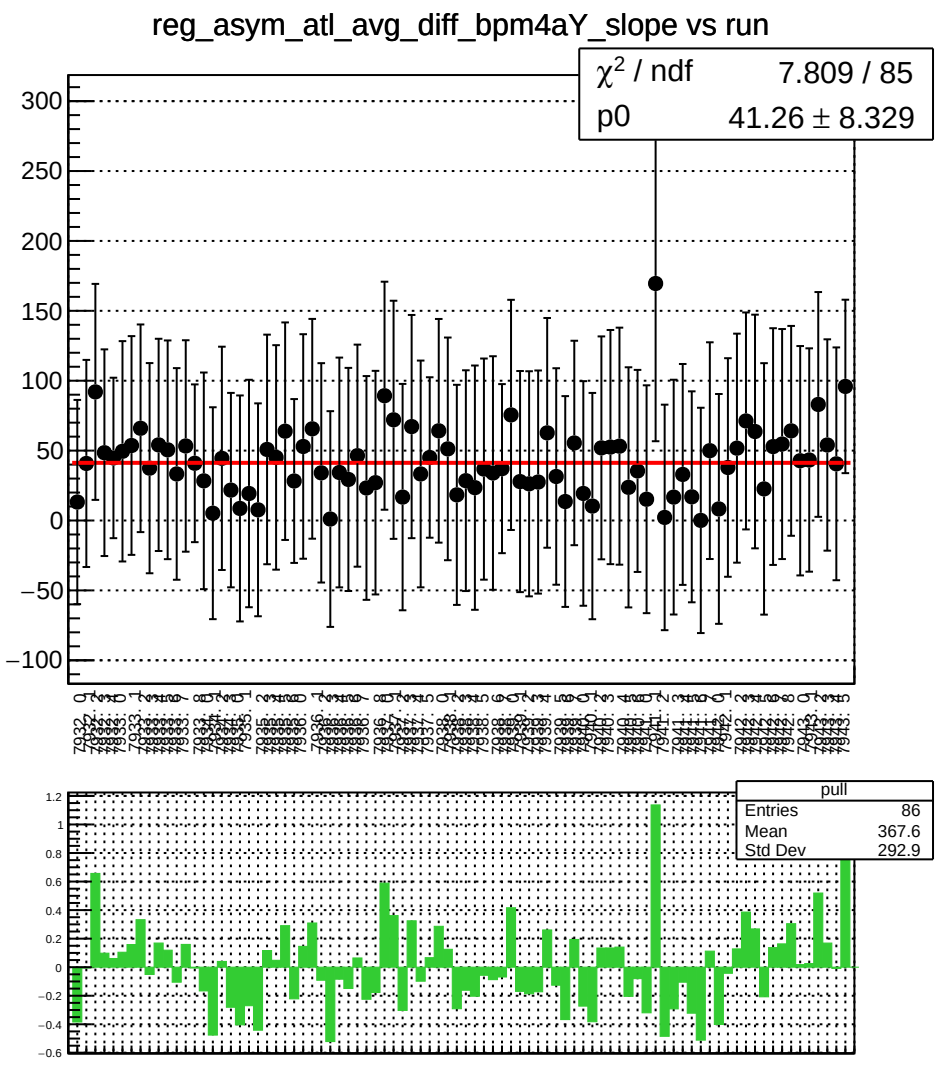

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 4.092 / 85
p0 −23.92 ± 27.57
400
200
0
−200
−400
pull
Entries 86
Mean −85.64
Std Dev 134
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

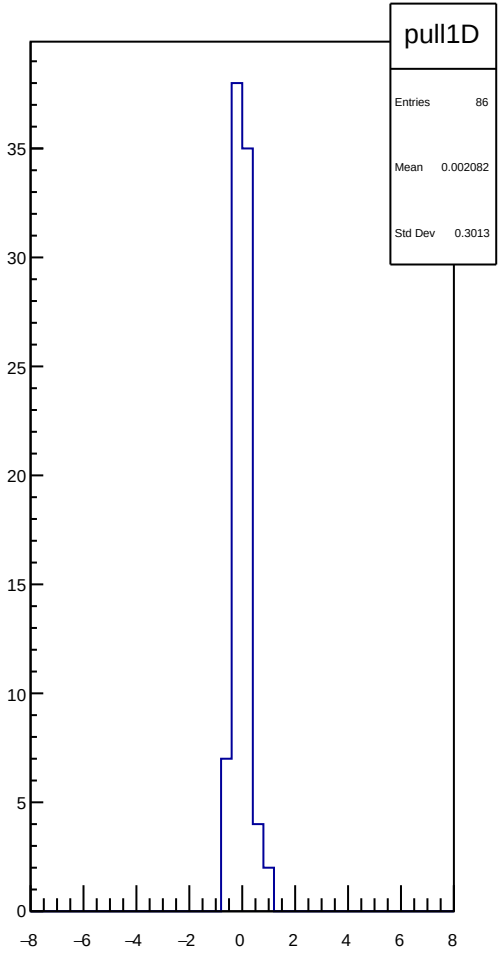

pull1D
Entries 86
Mean −0.002902
Std Dev 0.2181
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

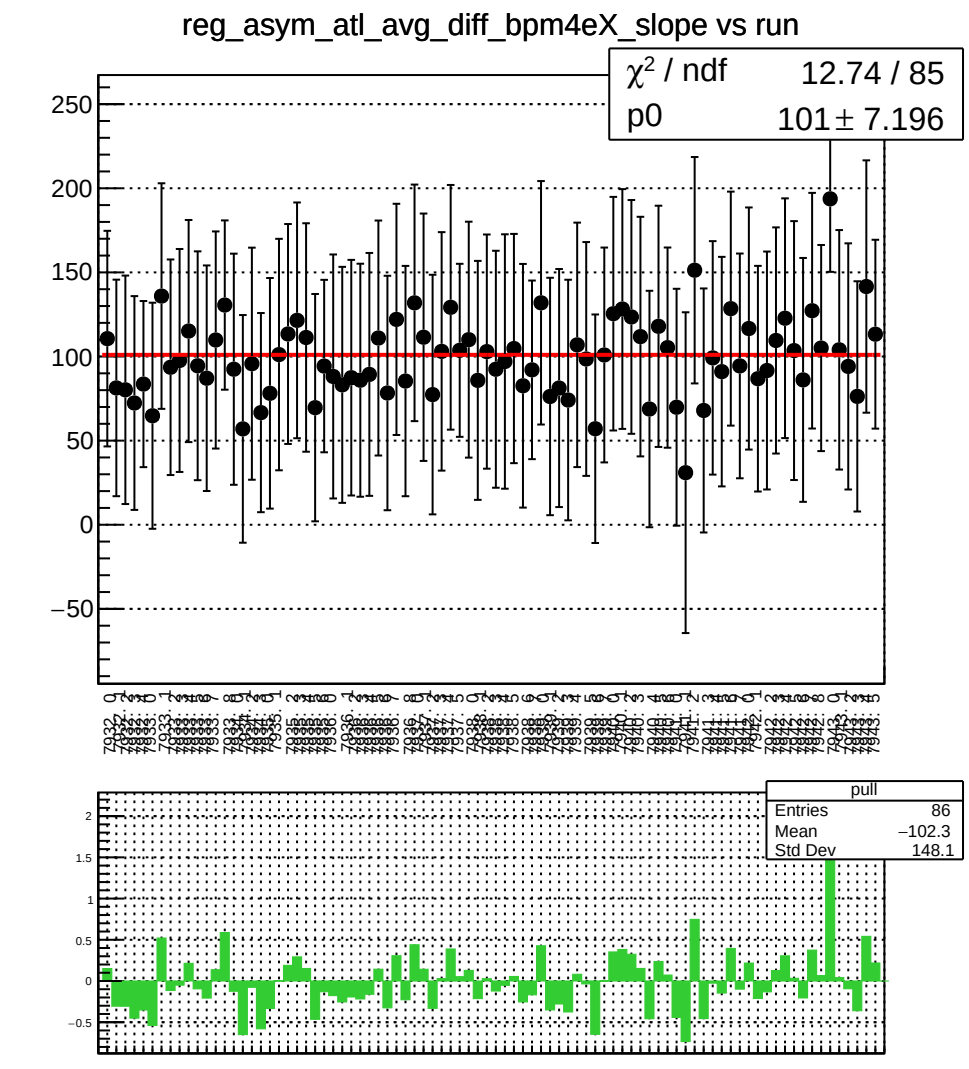

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 5.627 / 85
p0 −295.3 ± 0.7737
pull
Entries 86
Mean 64.24
Std Dev 34.02
pull1D
Entries 86
Mean −0.004759
Std Dev 0.2558

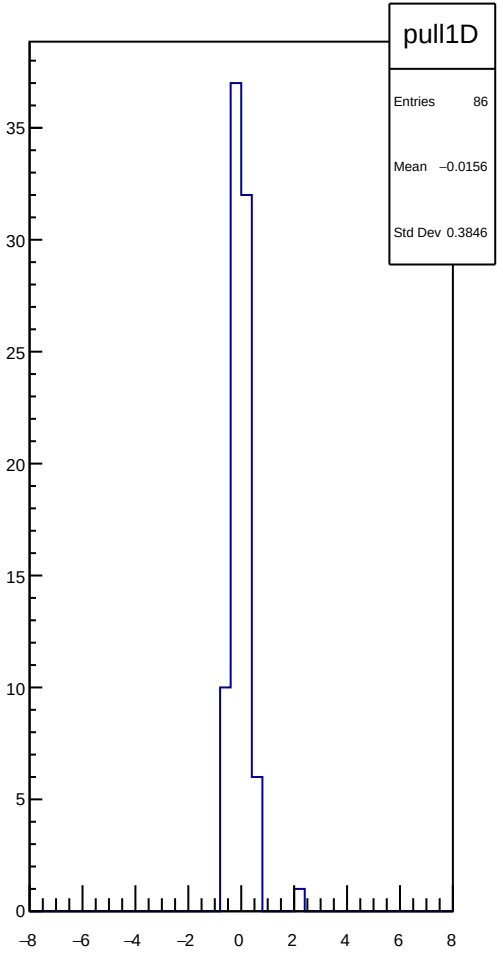

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 12.38 / 85
p0 −129.1± 7.999
pull
Entries 86
Mean −117.3
Std Dev 163.1

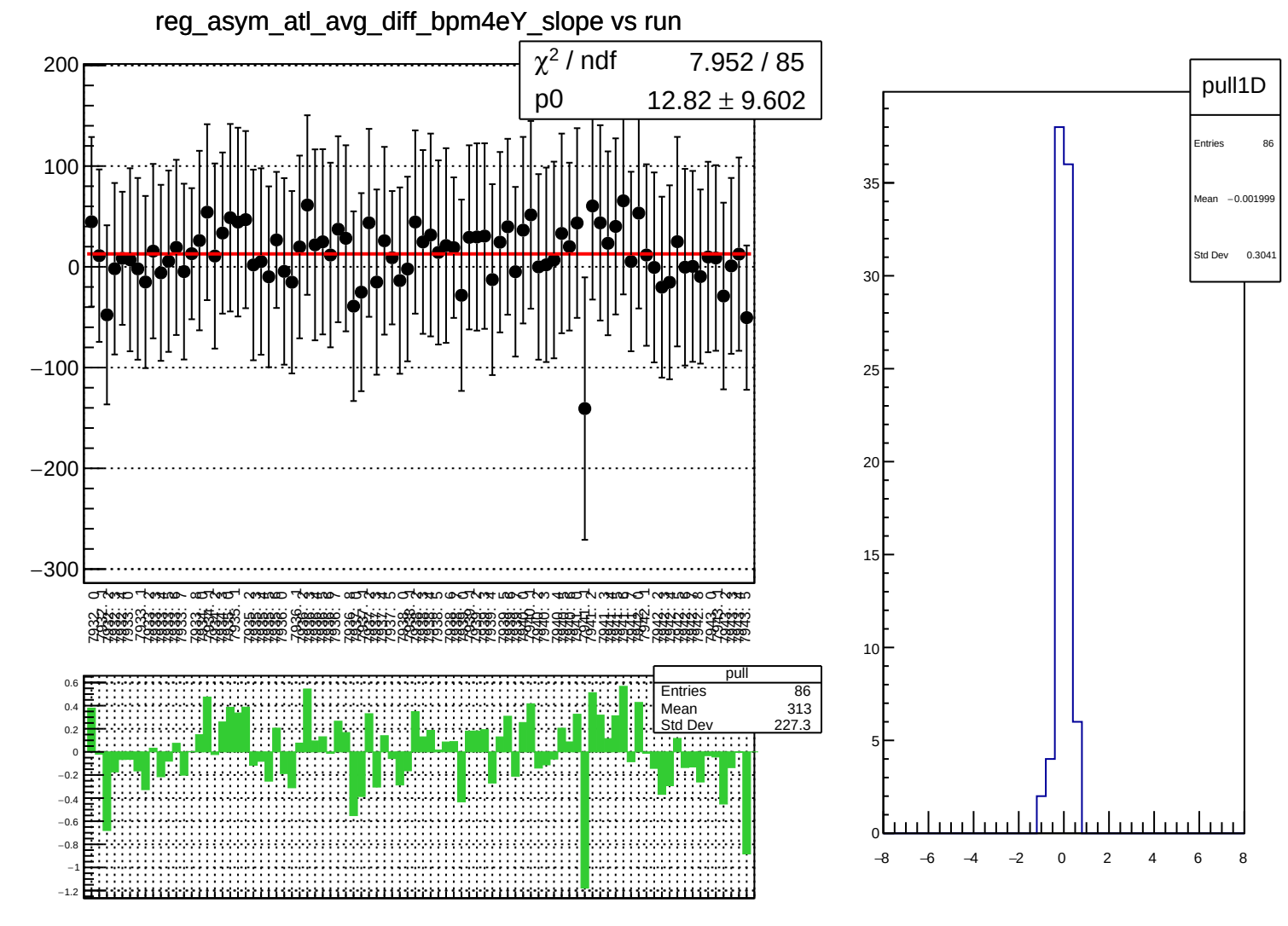

pull1D
Entries 86
Mean 0.01407
Std Dev 0.3792

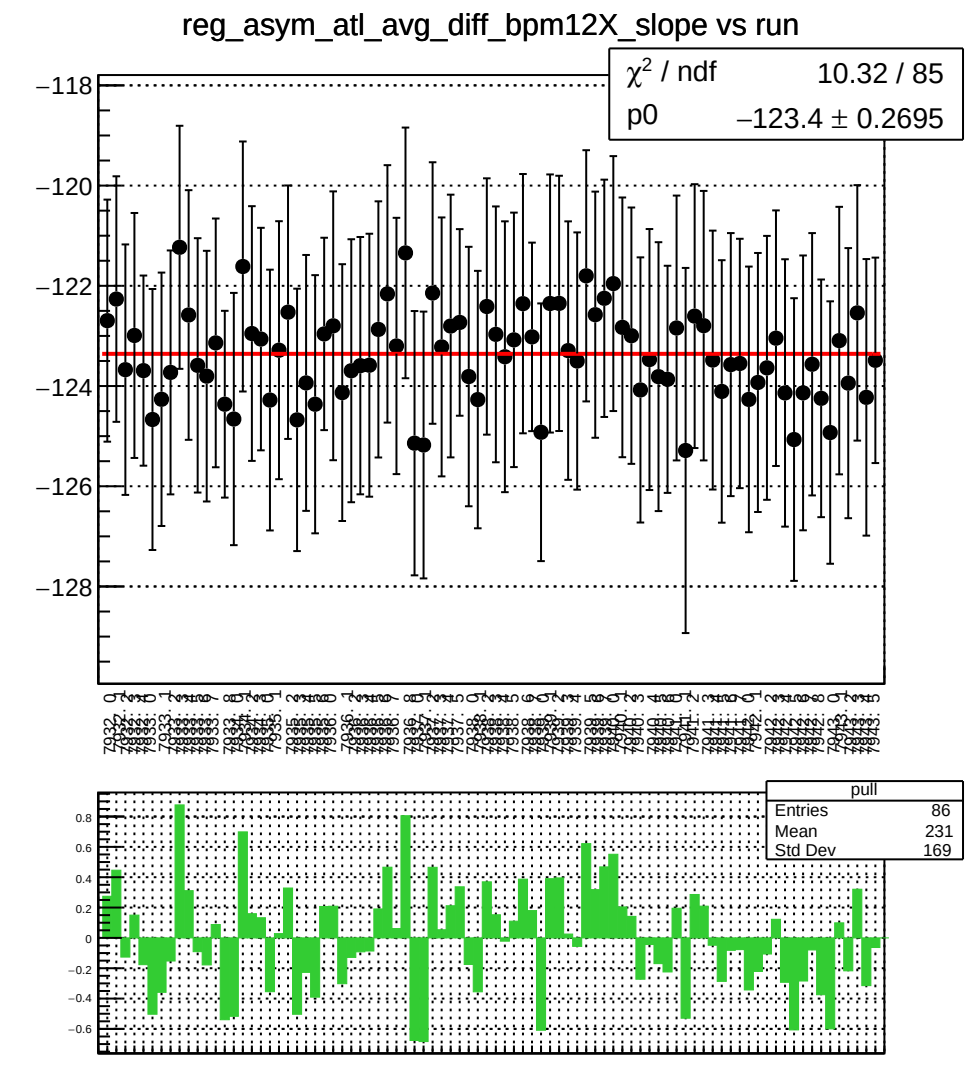

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.809 / 85
p0 41.26 ± 8.329
pull
Entries 86
Mean 367.6
Std Dev 292.9

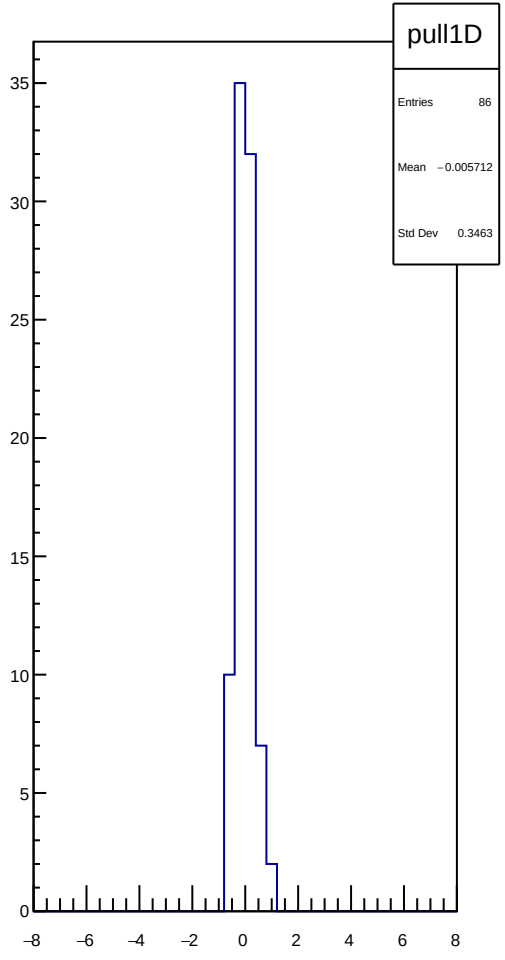

pull1D
Entries 86
Mean 0.002082
Std Dev 0.3013

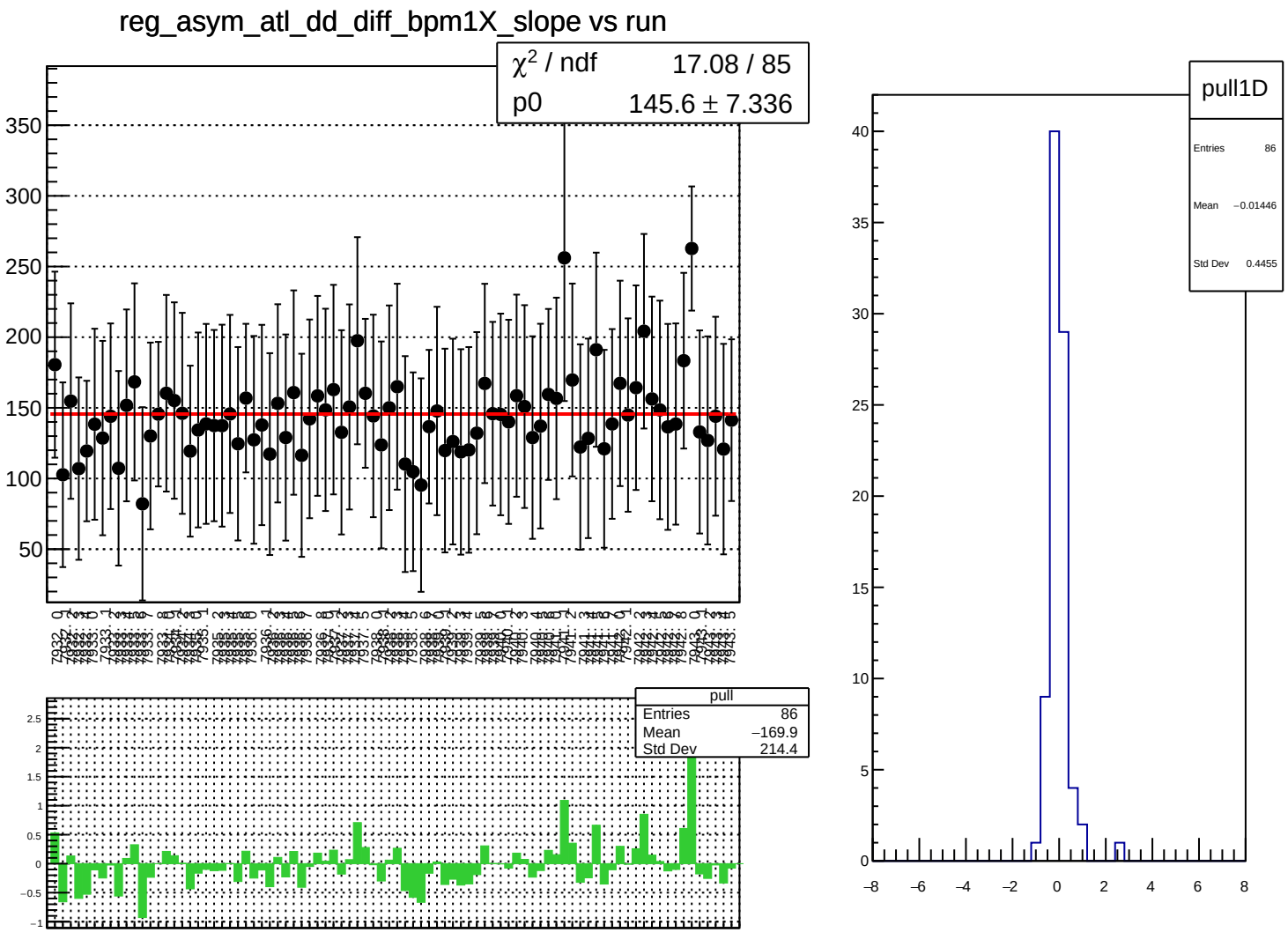

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 12.74 / 85
p0 101 ± 7.196
pull
Entries 86
Mean −102.3
Std Dev 148.1

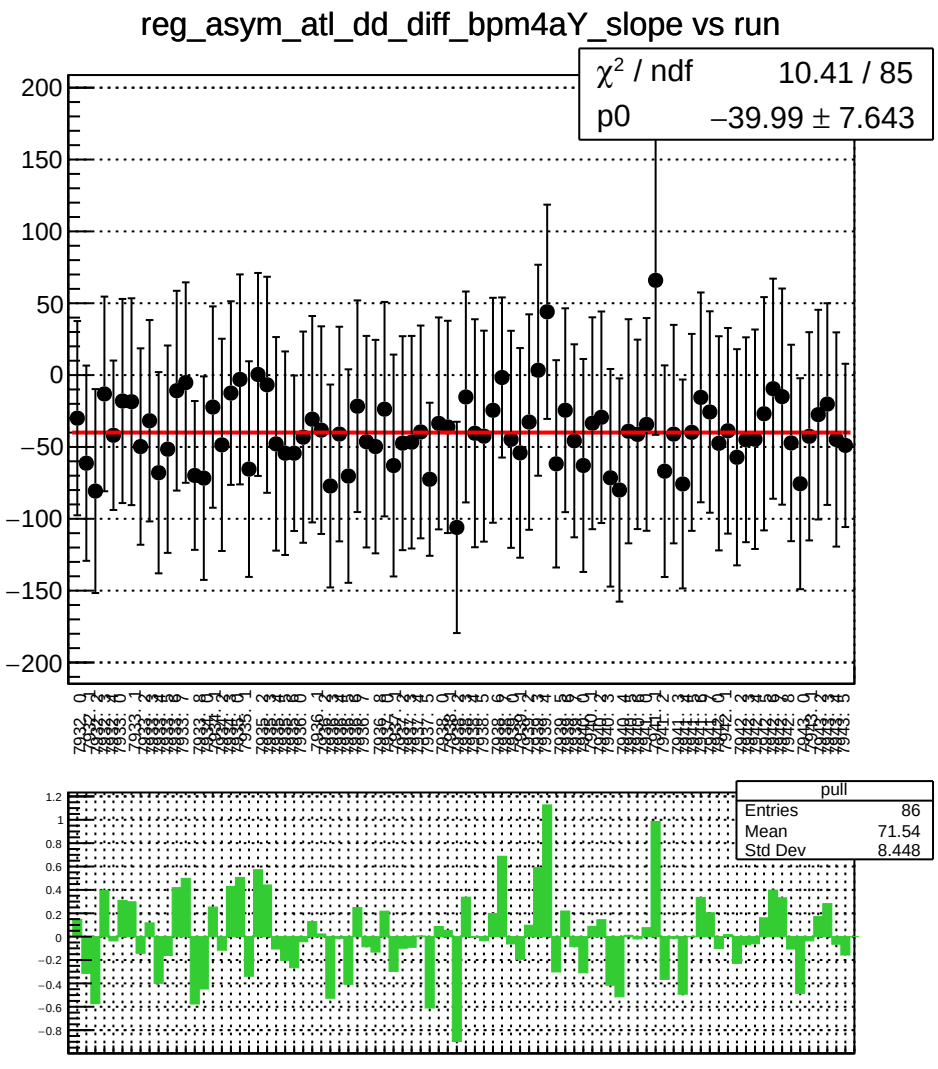

pull1D
Entries 86
Mean −0.0156
Std Dev 0.3846

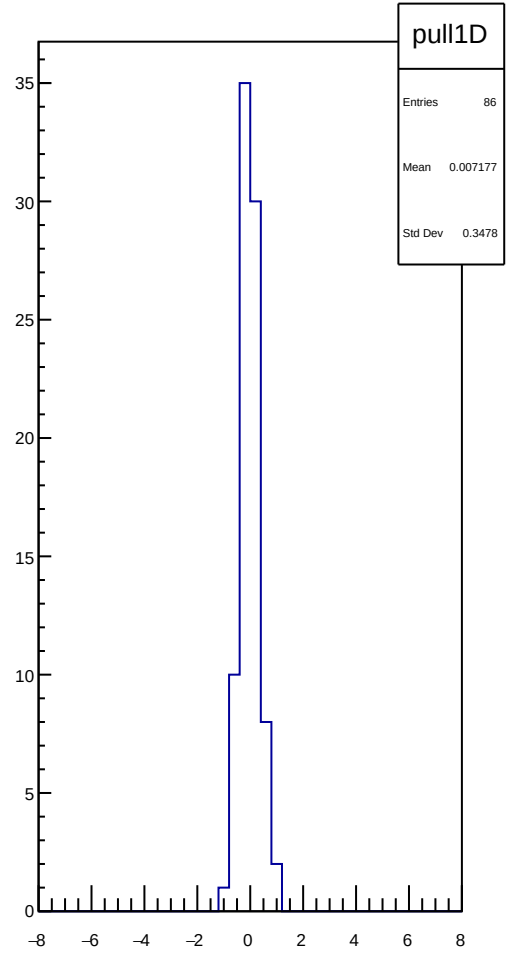

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.952 / 85
p0 12.82 ± 9.602
pull
Entries 86
Mean 313
Std Dev 227.3
pull1D
Entries 86
Mean −0.001999
Std Dev 0.3041

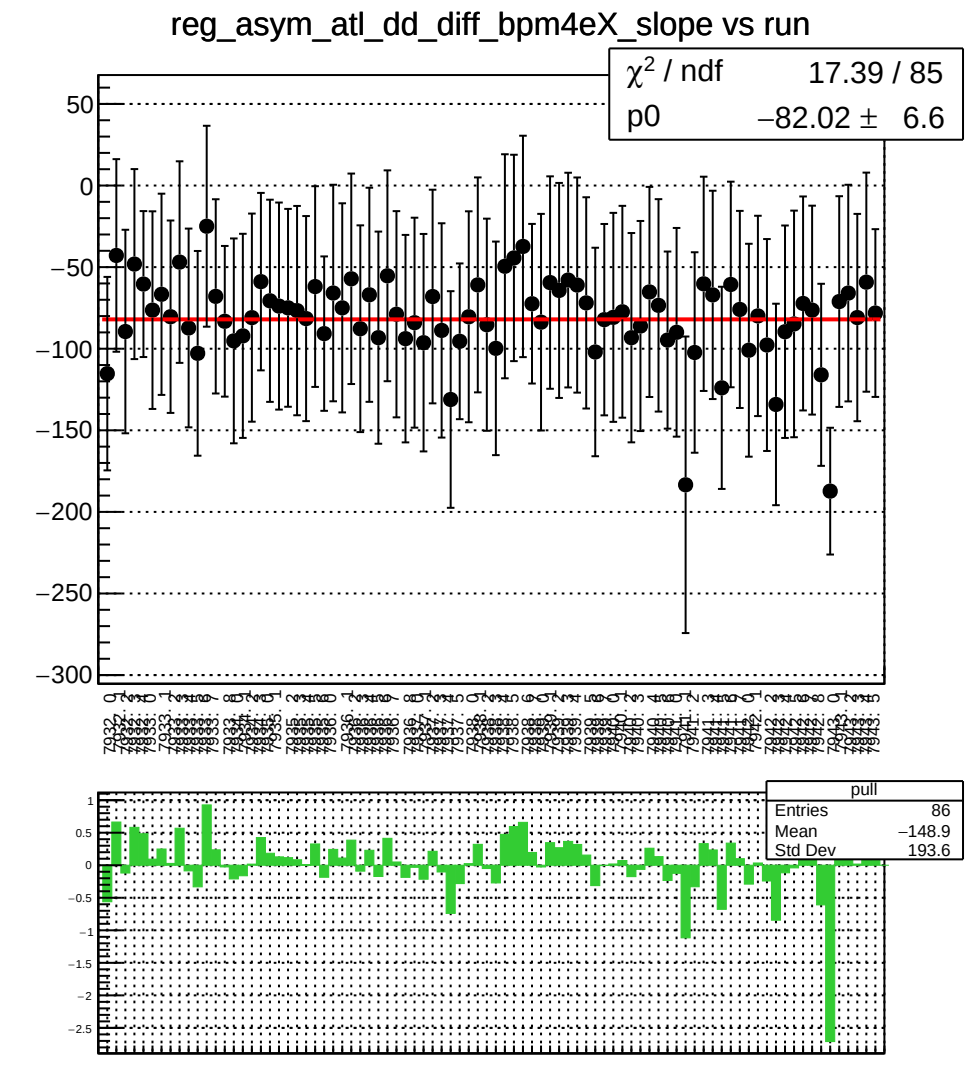

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 10.32 / 85
p0 −123.4 ± 0.2695
pull
Entries 86
Mean 231
Std Dev 169

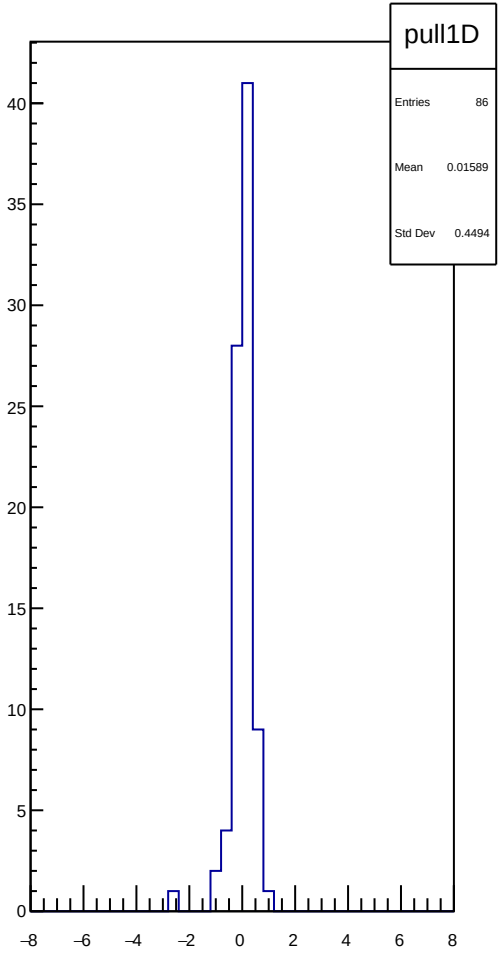

pull1D
Entries 86
Mean −0.005712
Std Dev 0.3463

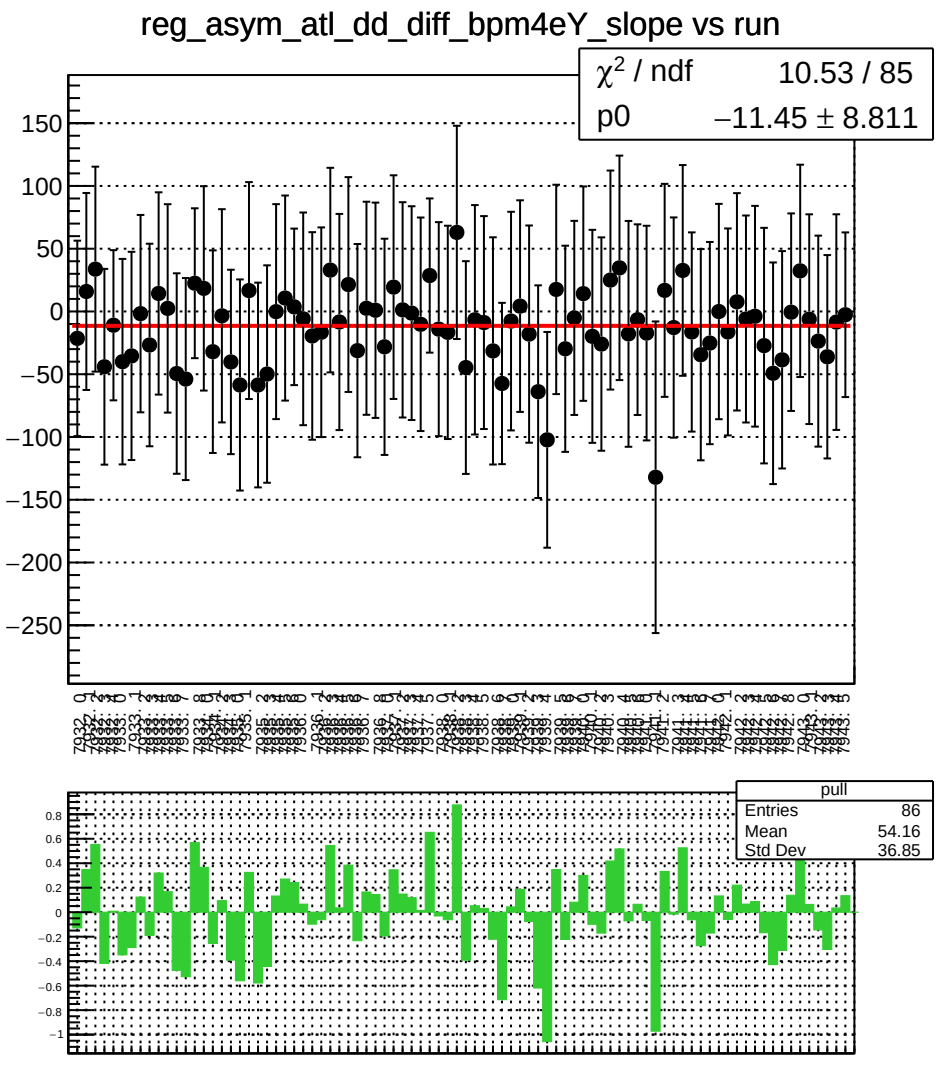

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 17.08 / 85
p0 145.6 ± 7.336
pull
Entries 86
Mean −169.9
Std Dev 214.4
pull1D
Entries 86
Mean −0.01446
Std Dev 0.4455

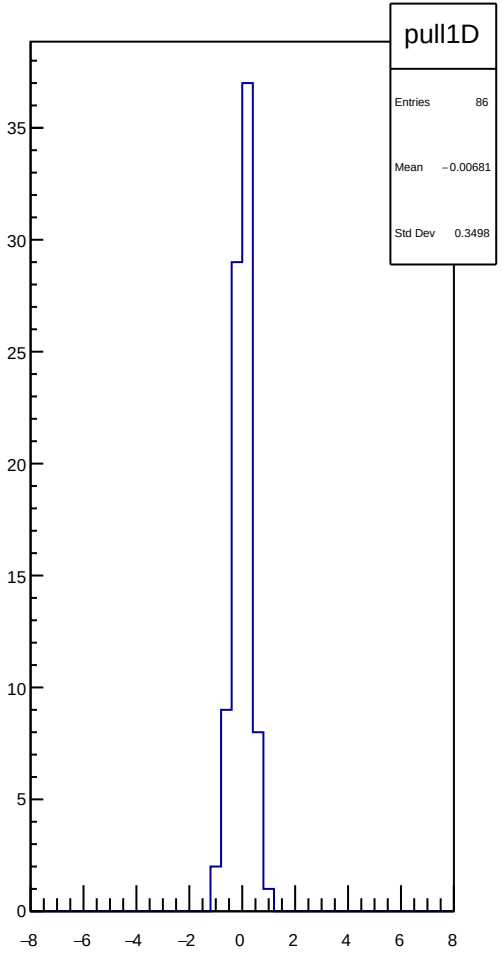

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.41 / 85
p0 −39.99 ± 7.643
pull
Entries 86
Mean 71.54
Std Dev 8.448

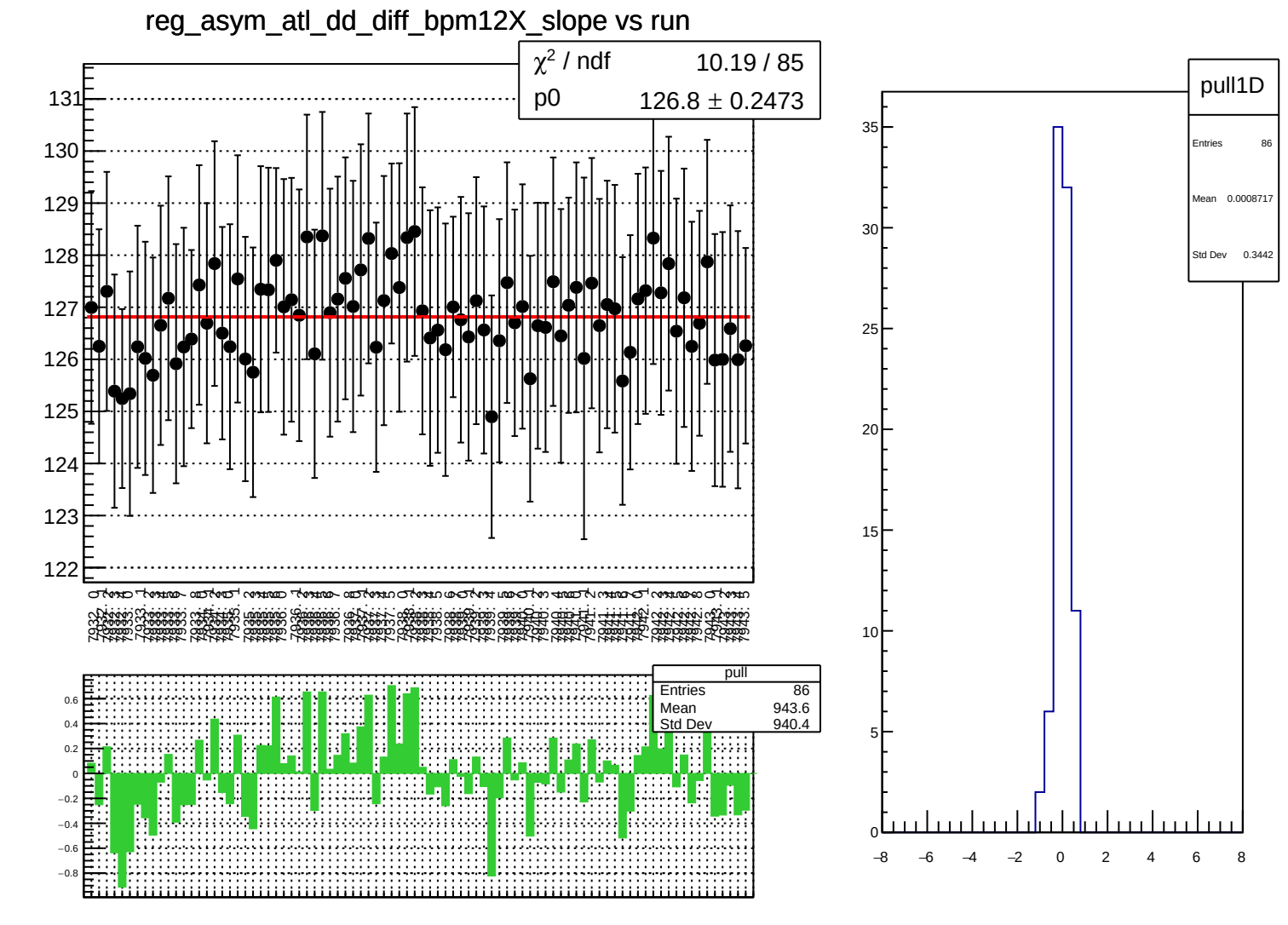

pull1D
Entries 86
Mean 0.007177
Std Dev 0.3478

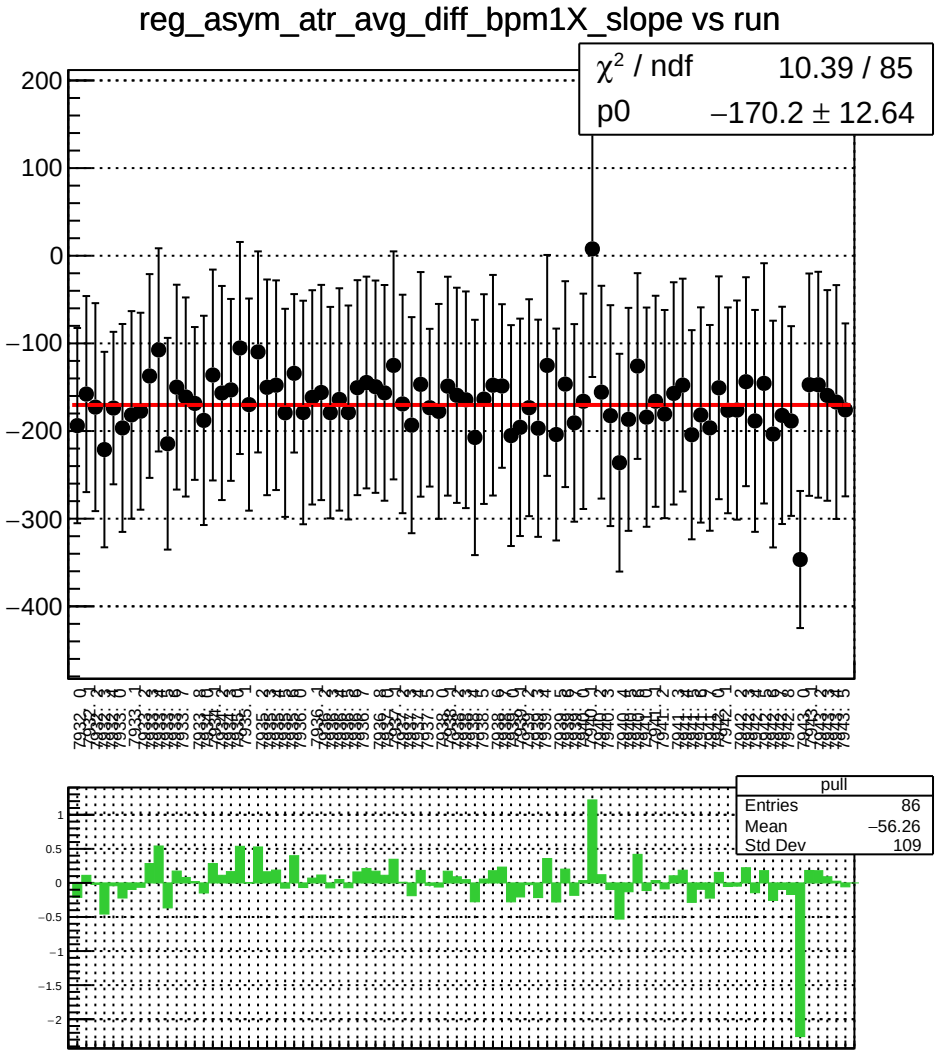

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.39 / 85
p0 −82.02 ± 6.6
pull
Entries 86
Mean −148.9
Std Dev 193.6

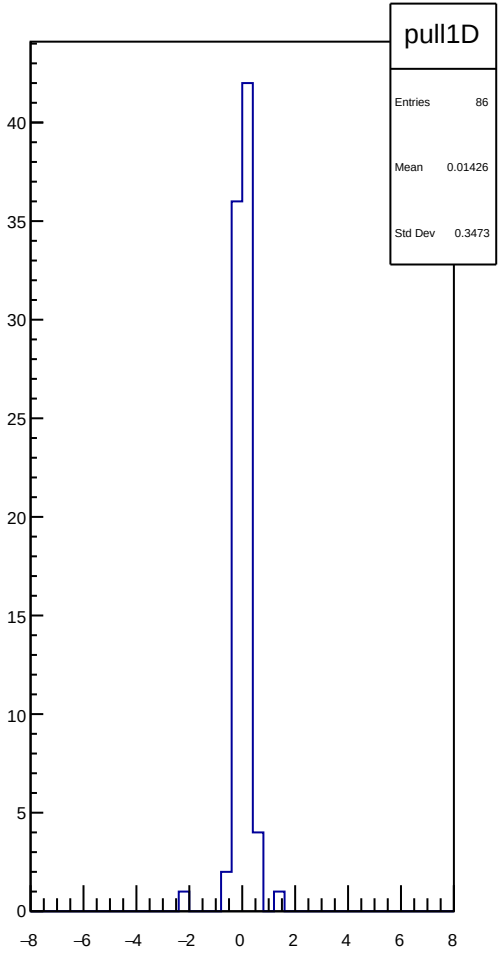

pull1D
Entries 86
Mean 0.01589
Std Dev 0.4494

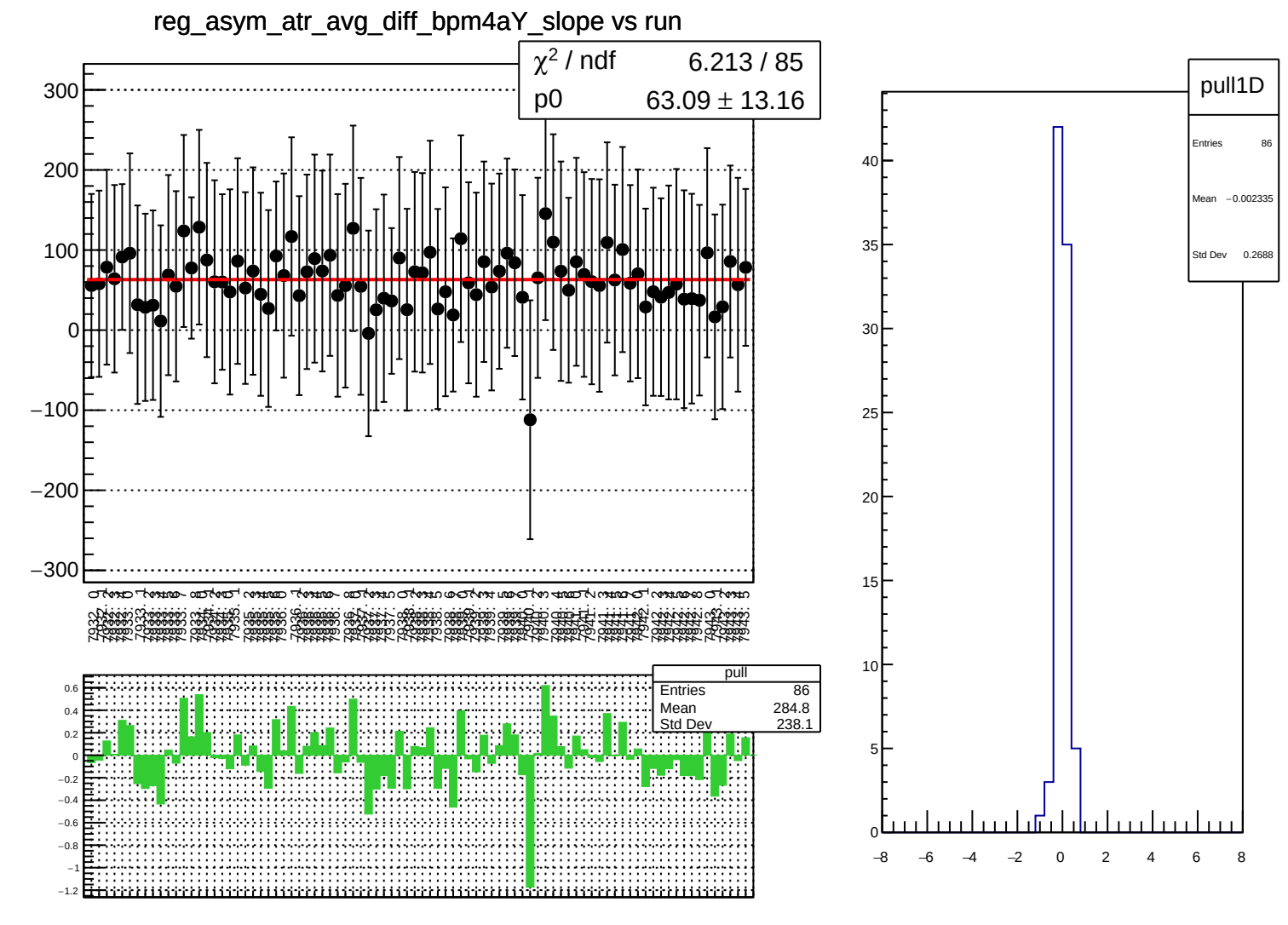

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.53 / 85
p0 −11.45 ± 8.811
150
100
50
0
−50
−100
−150
−200
−250
pull
Entries 86
Mean 54.16
Std Dev 36.85
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

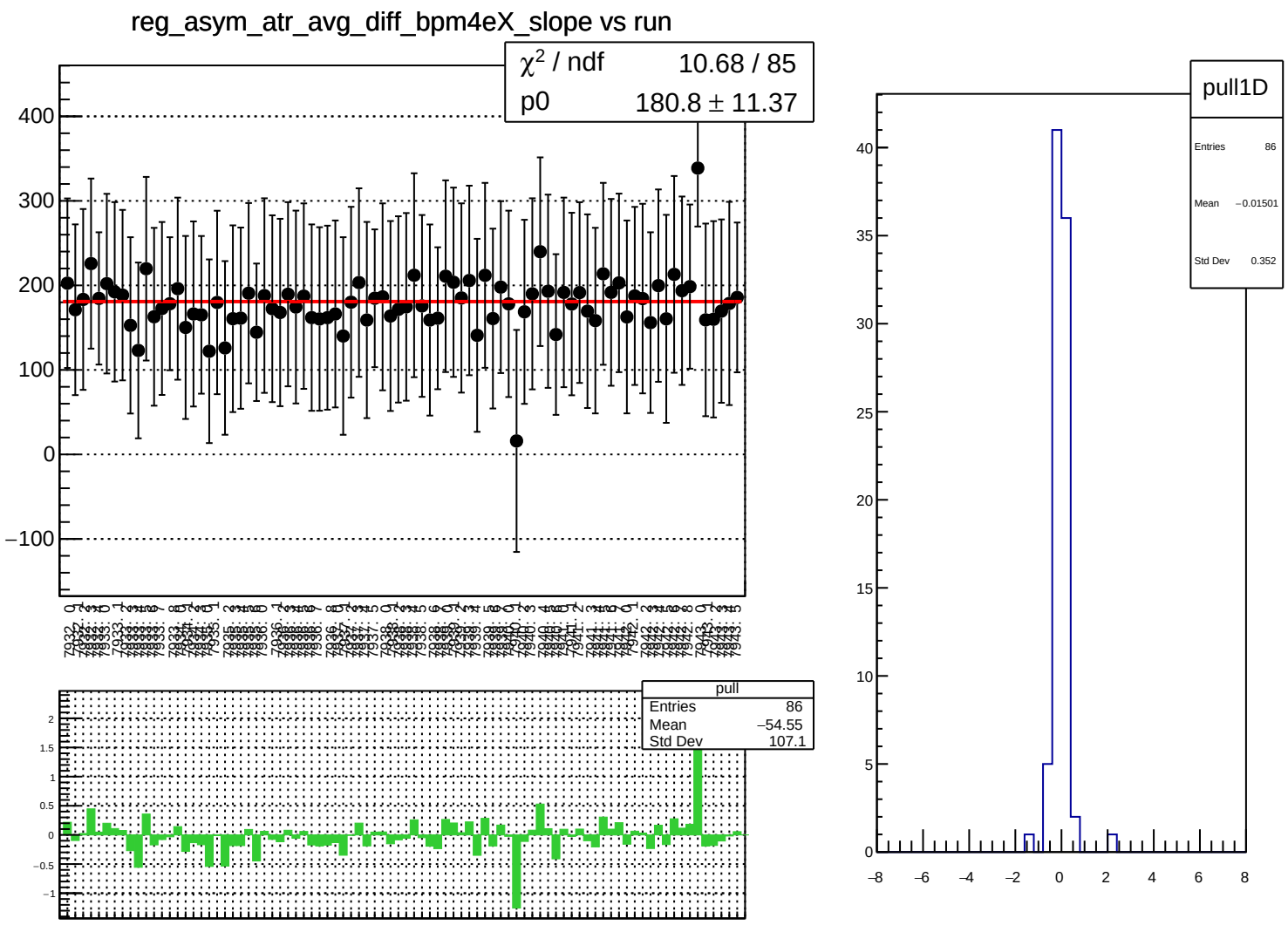

pull1D
Entries 86
Mean −0.00681
Std Dev 0.3498
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

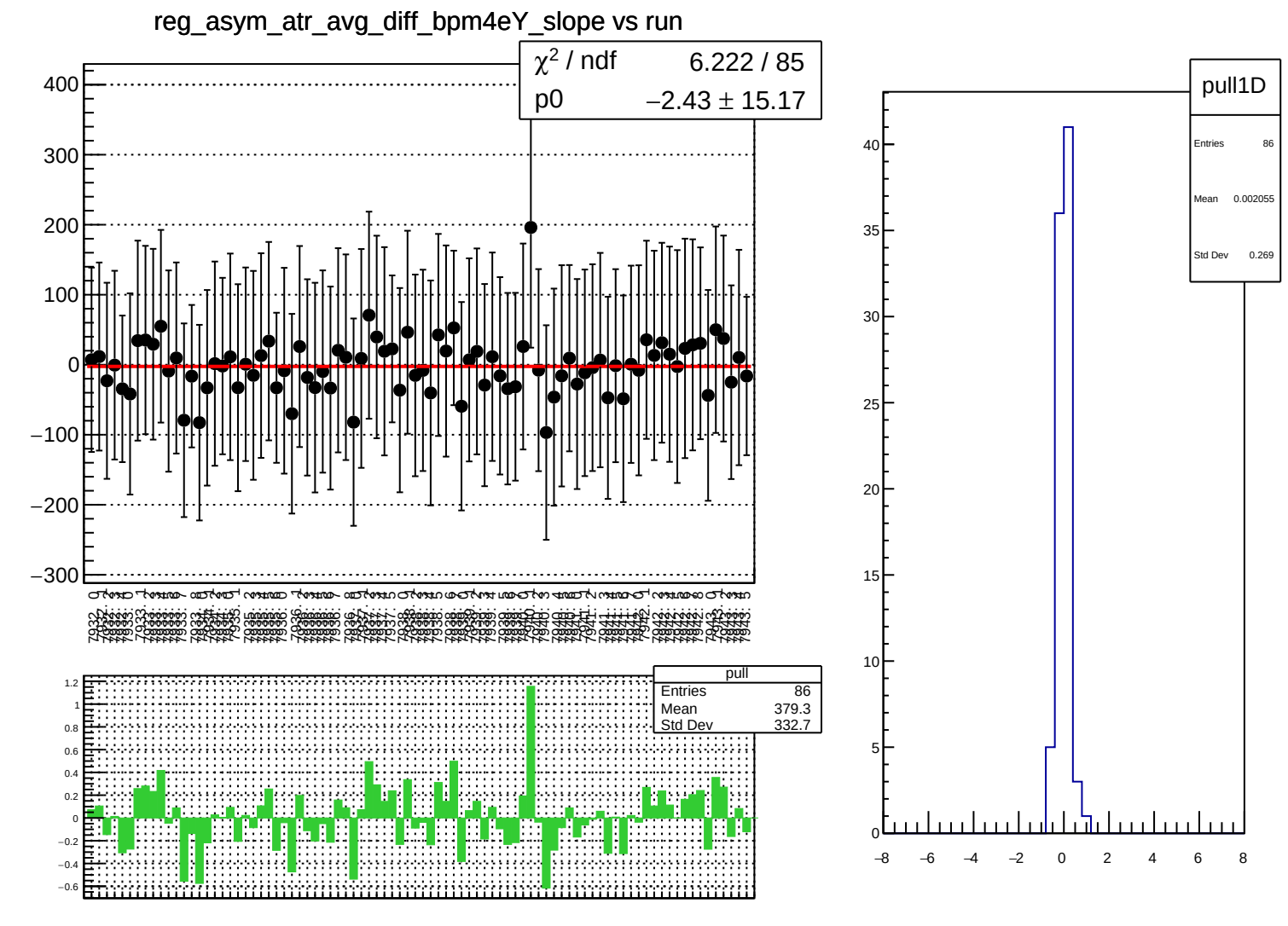

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 10.19 / 85
p0 126.8 ± 0.2473
pull
Entries 86
Mean 943.6
Std Dev 940.4
pull1D
Entries 86
Mean 0.0008717
Std Dev 0.3442

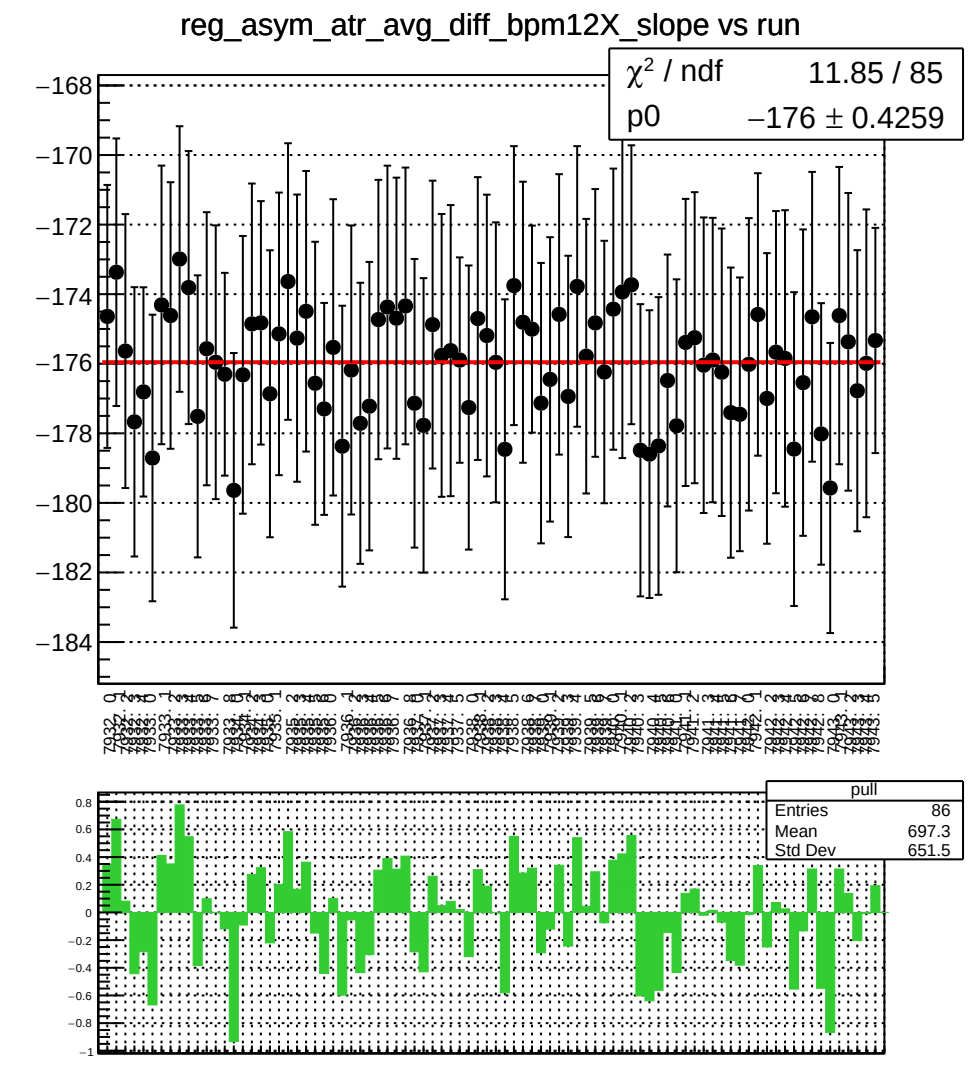

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 10.39 / 85
p0 −170.2 ± 12.64
pull
Entries 86
Mean −56.26
Std Dev 109

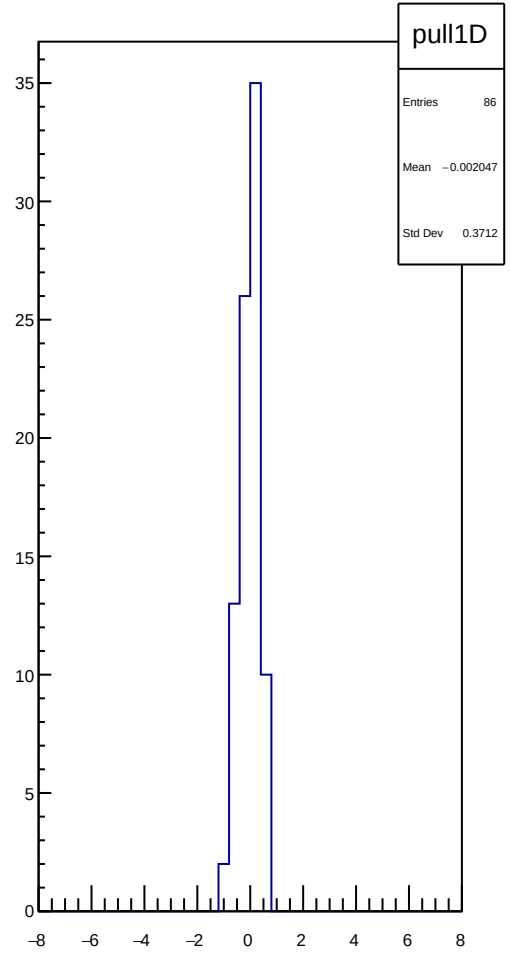

pull1D
Entries 86
Mean 0.01426
Std Dev 0.3473

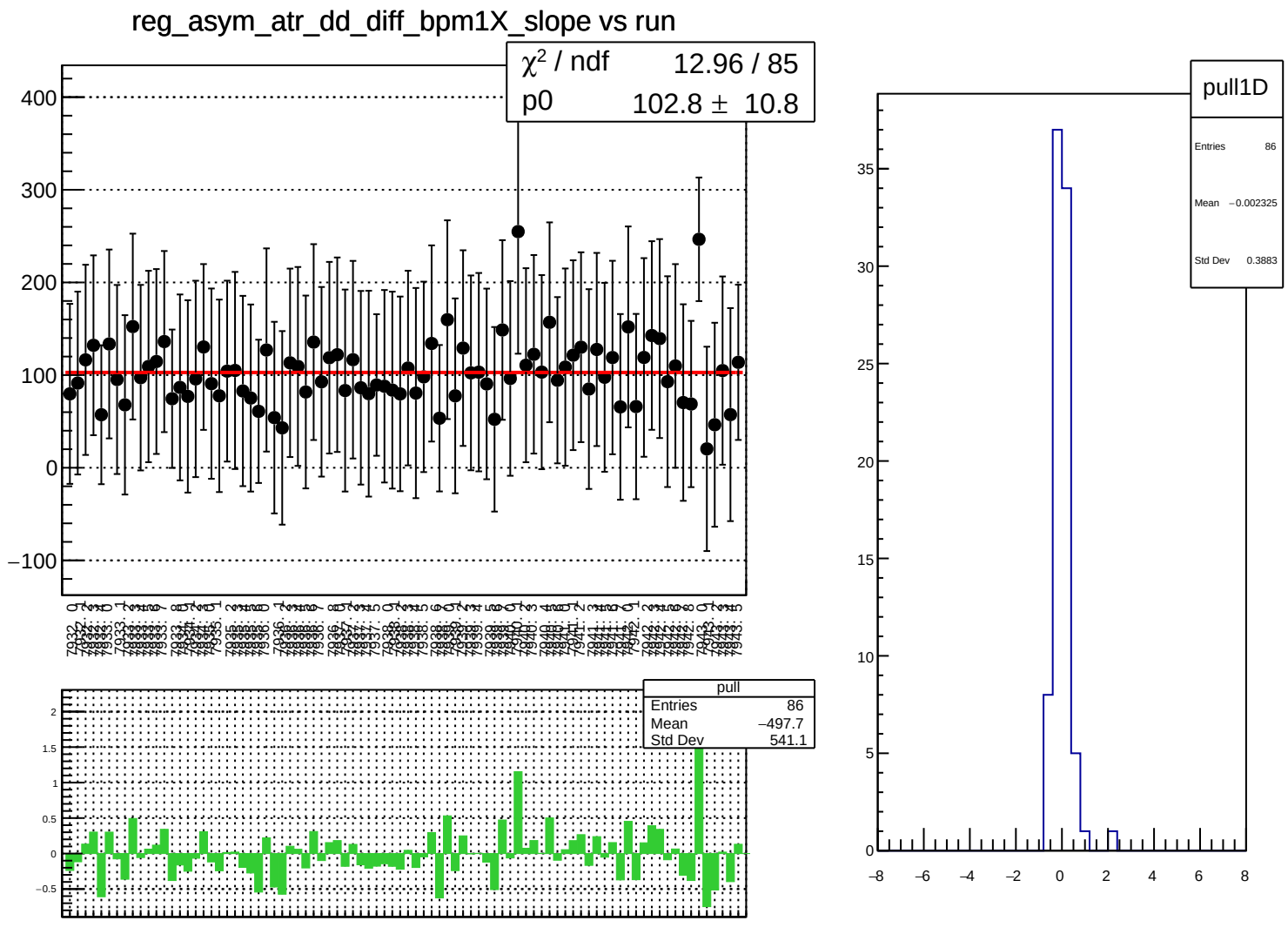

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.213 / 85
p0 63.09 ± 13.16
pull
Entries 86
Mean 284.8
Std Dev 238.1
pull1D
Entries 86
Mean −0.002335
Std Dev 0.2688

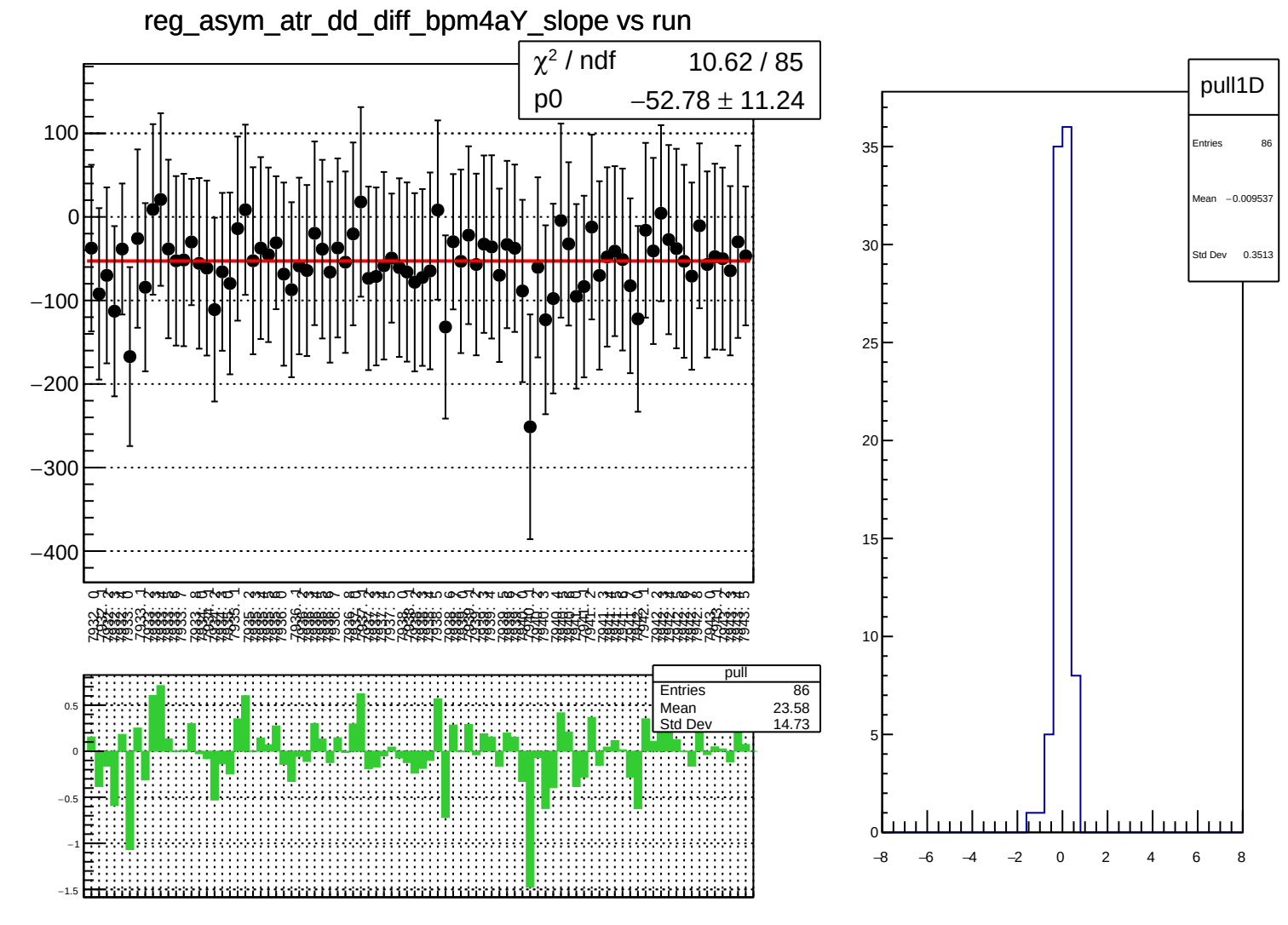

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.68 / 85
p0 180.8 ± 11.37
pull
Entries 86
Mean −54.55
Std Dev 107.1
pull1D
Entries 86
Mean −0.01501
Std Dev 0.352

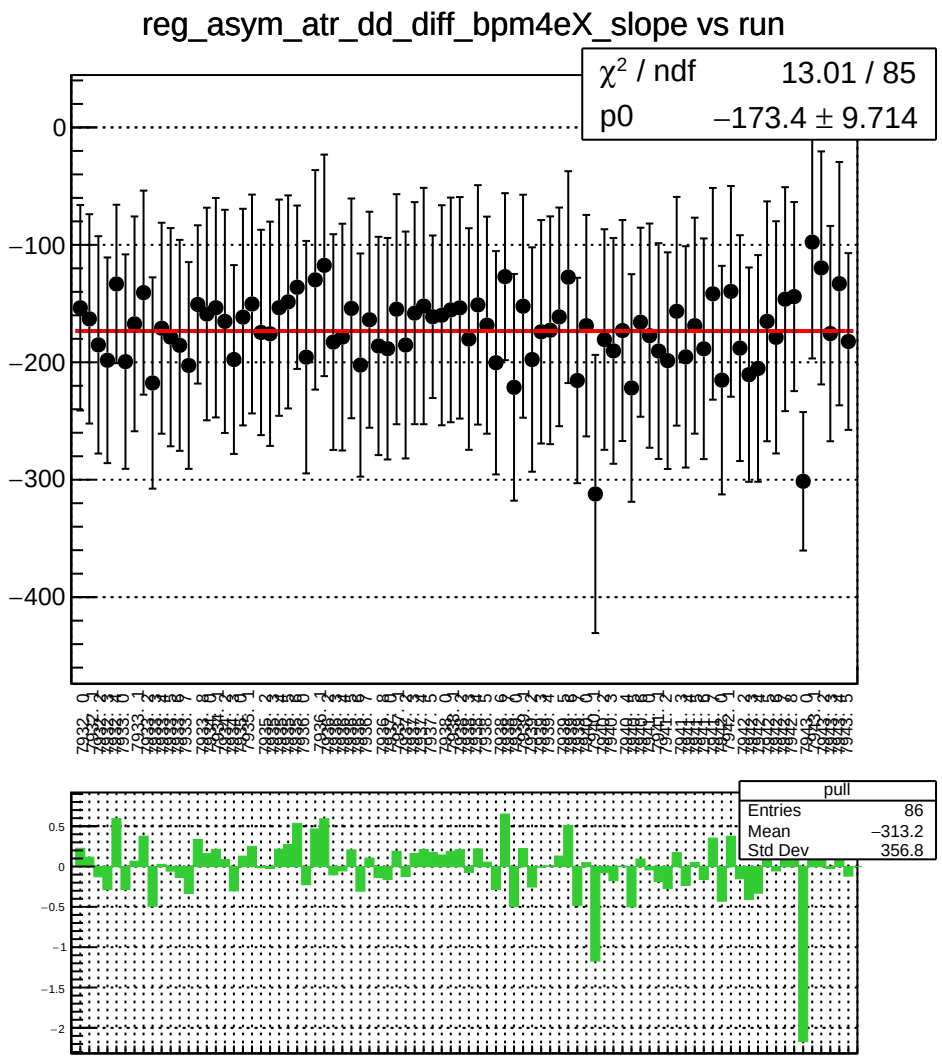

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.222 / 85
p0 −2.43 ± 15.17
pull
Entries 86
Mean 379.3
Std Dev 332.7
pull1D
Entries 86
Mean 0.002055
Std Dev 0.269

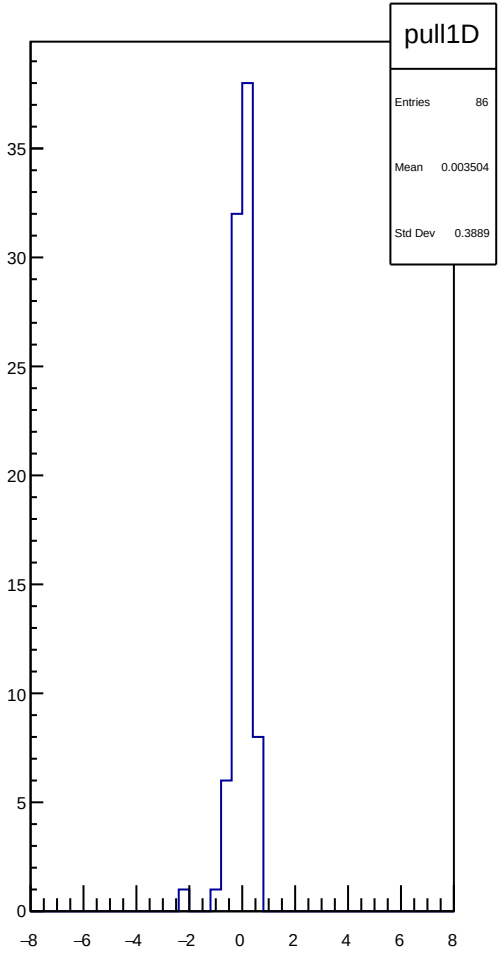

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 11.85 / 85
p0 −176 ± 0.4259
pull
Entries 86
Mean 697.3
Std Dev 651.5

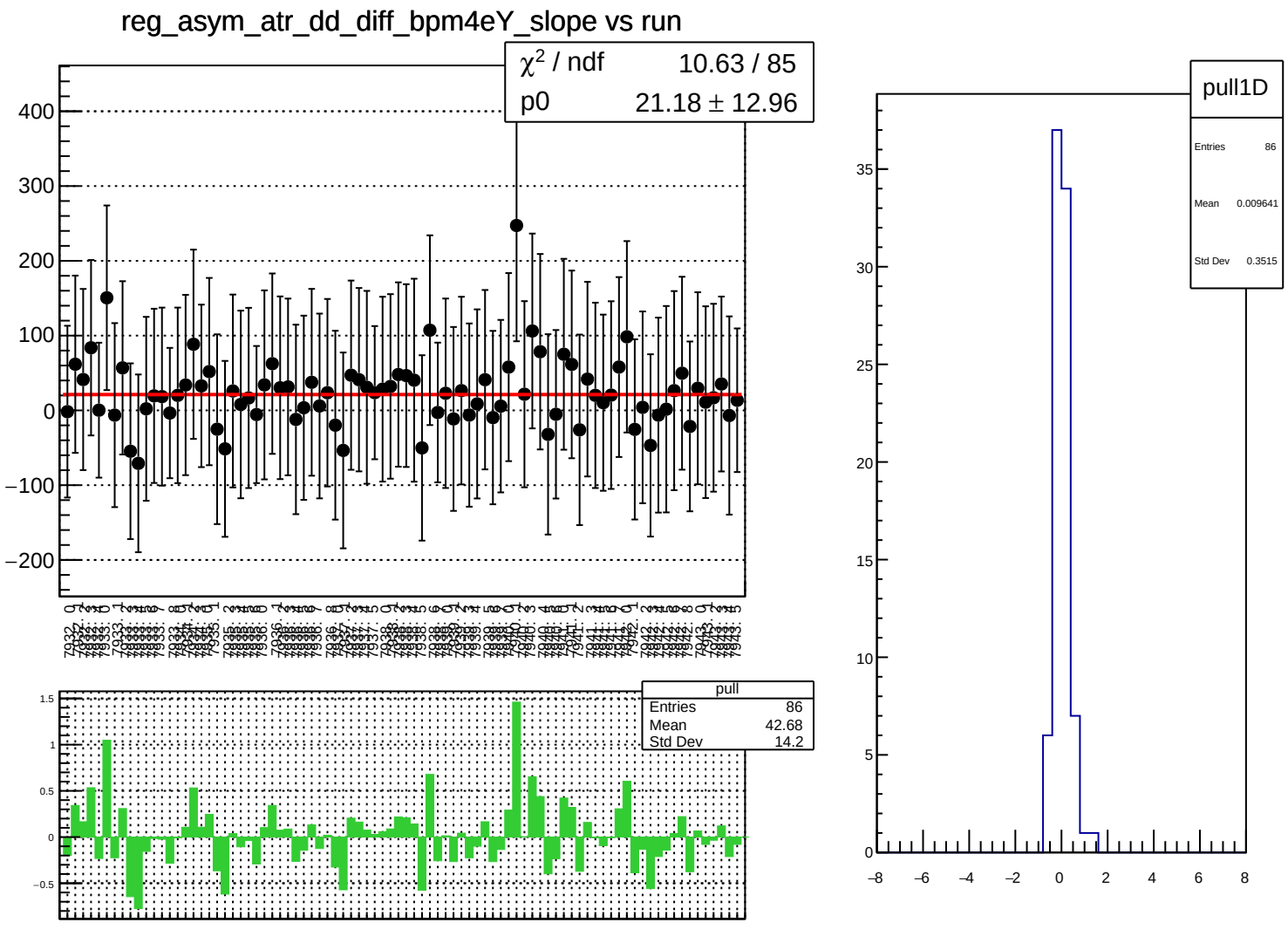

pull1D
Entries 86
Mean −0.002047
Std Dev 0.3712

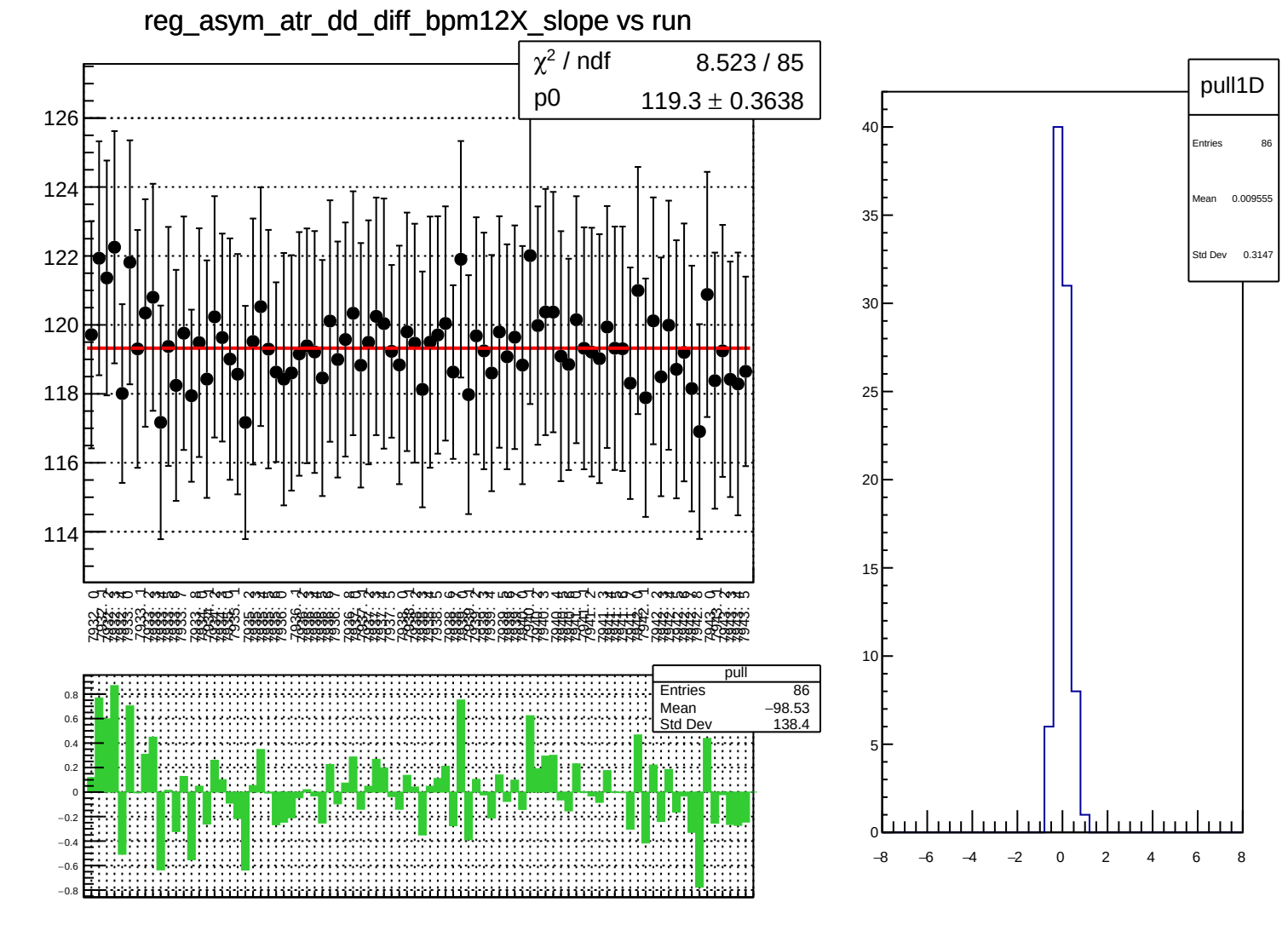

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 12.96 / 85
p0 102.8 ± 10.8
pull
Entries 86
Mean −497.7
Std Dev 541.1
pull1D
Entries 86
Mean −0.002325
Std Dev 0.3883

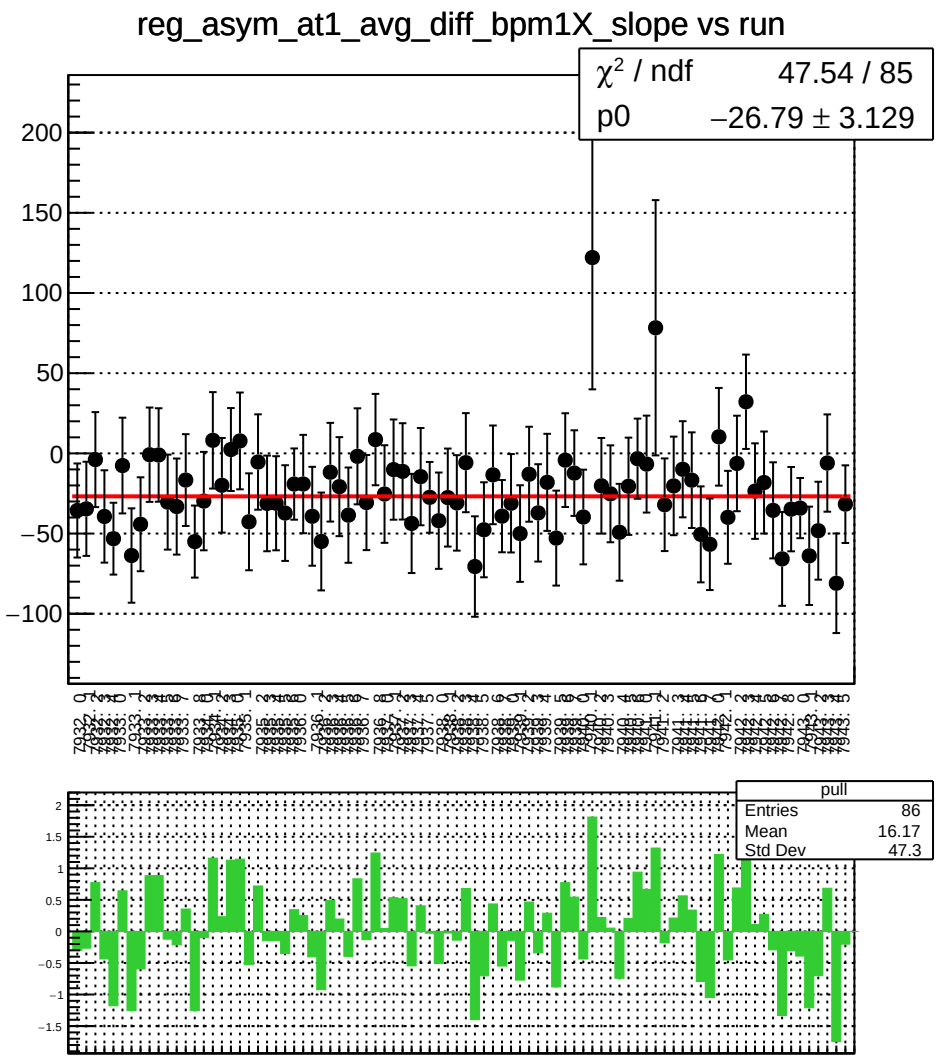

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.62 / 85
p0 −52.78 ± 11.24
100
0
−100
−200
−300
−400
pull
Entries 86
Mean 23.58
Std Dev 14.73
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.009537
Std Dev 0.3513
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

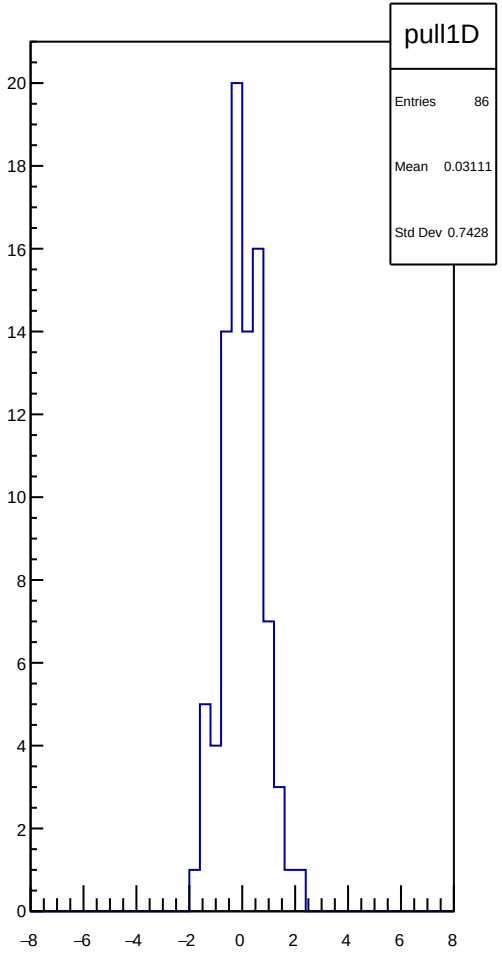

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.01 / 85
p0 −173.4 ± 9.714
pull
Entries 86
Mean −313.2
Std Dev 356.8

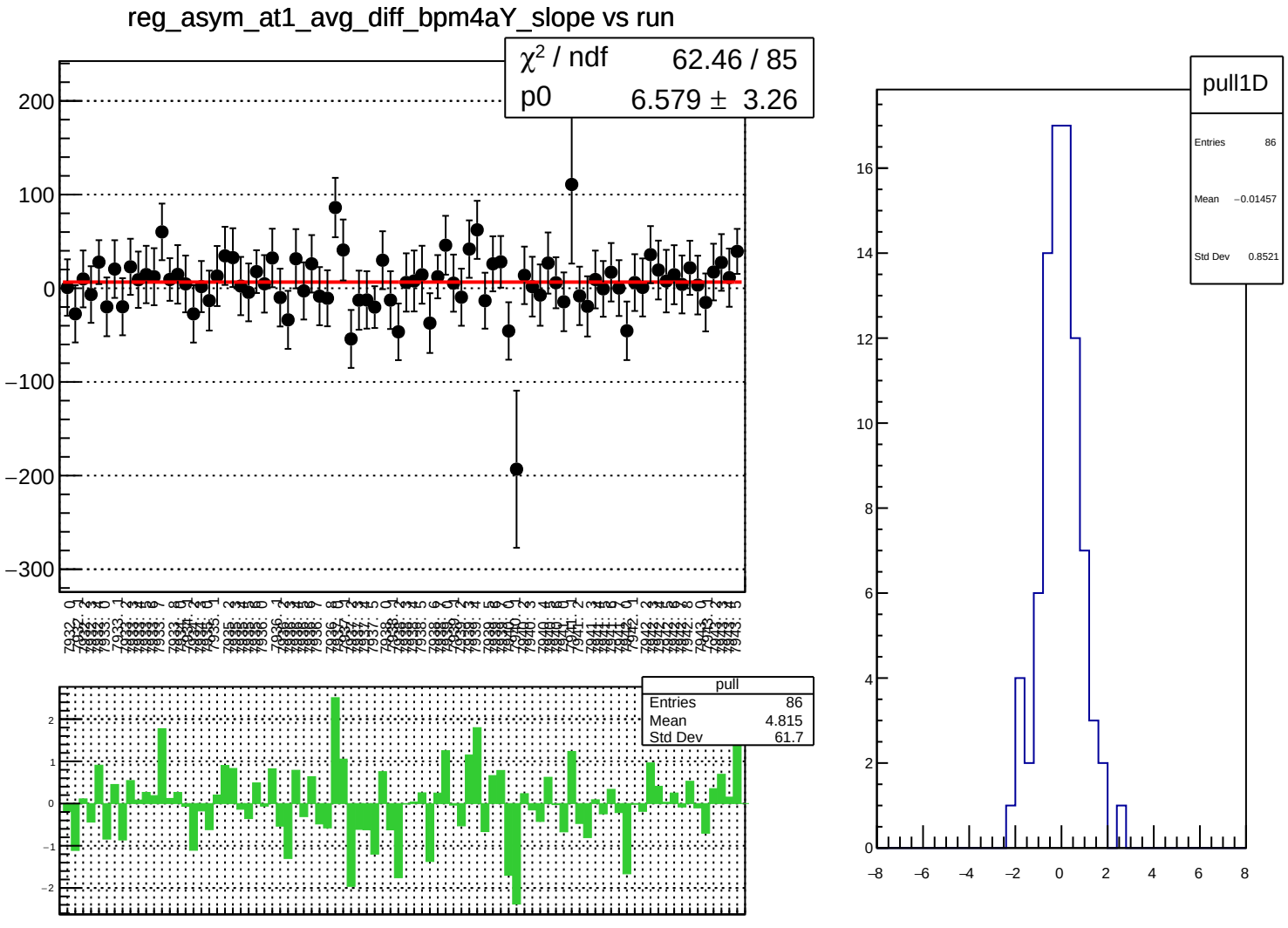

pull1D
Entries 86
Mean 0.003504
Std Dev 0.3889

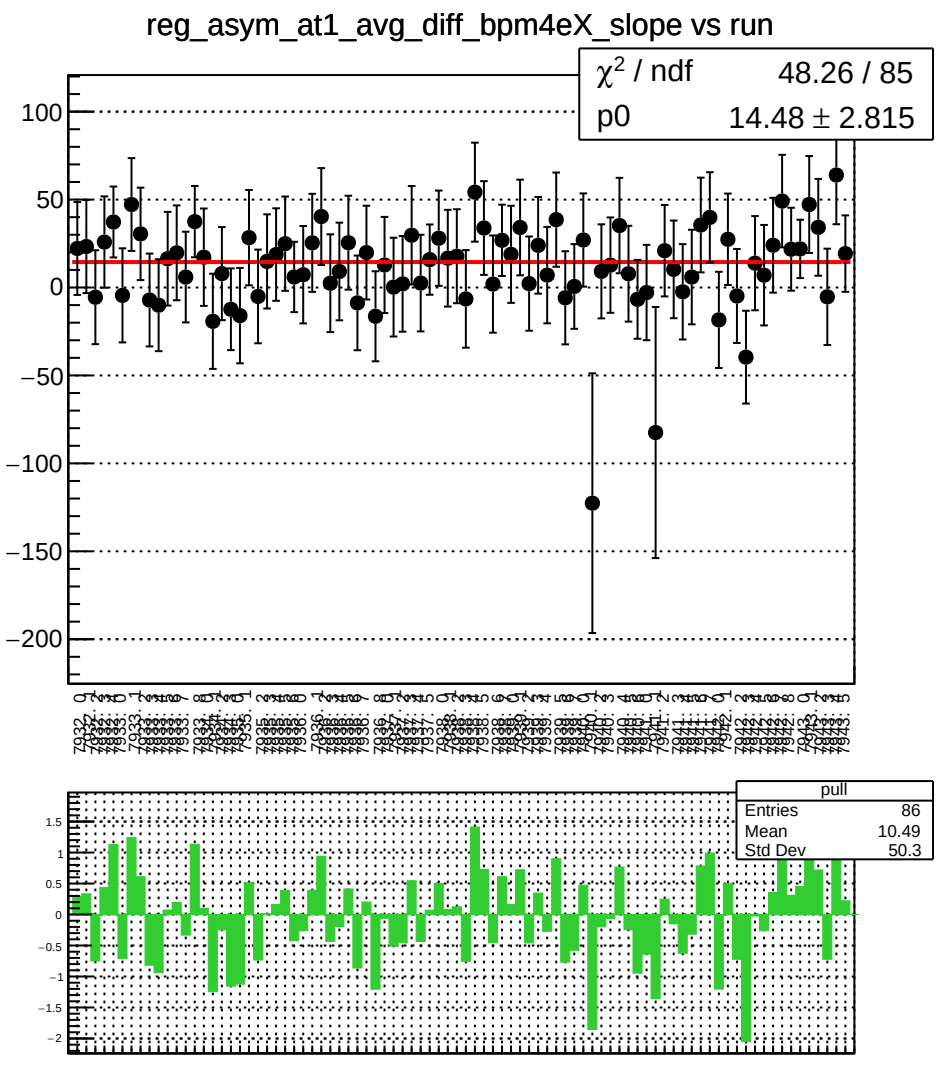

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.63 / 85
p0 21.18 ± 12.96
pull
Entries 86
Mean 42.68
Std Dev 14.2
pull1D
Entries 86
Mean 0.009641
Std Dev 0.3515

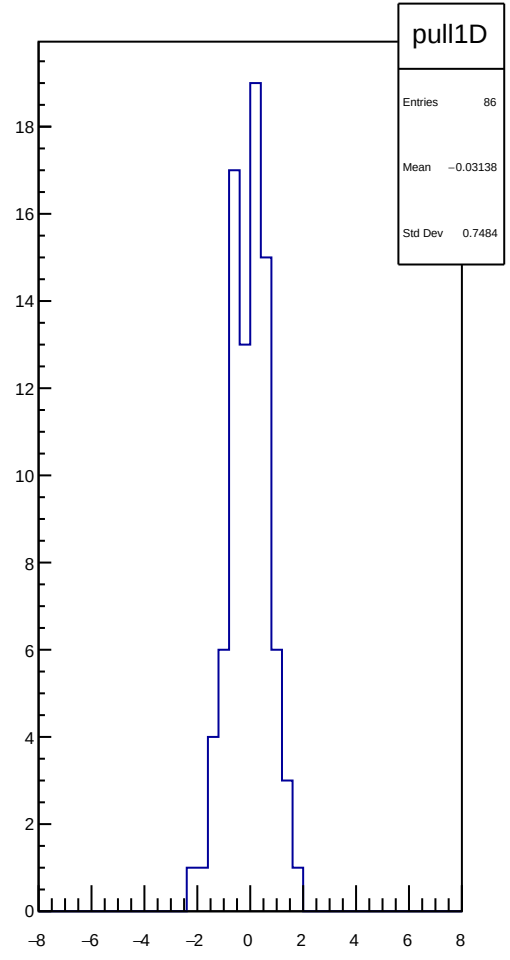

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 8.523 / 85
p0 119.3 ± 0.3638
126
124
122
120
118
116
114
pull
Entries 86
Mean −98.53
Std Dev 138.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 86
Mean 0.009555
Std Dev 0.3147
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

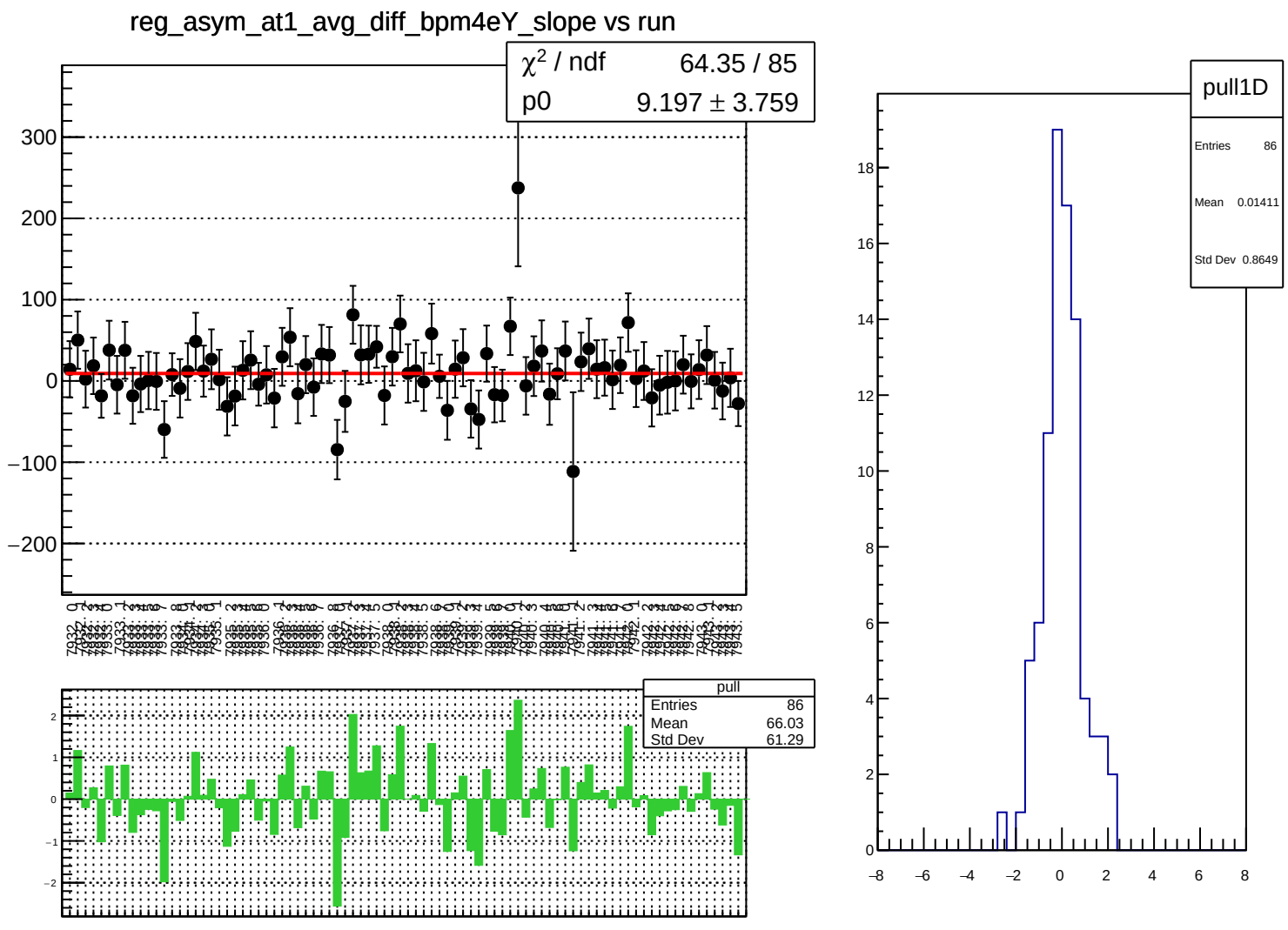

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 47.54 / 85
p0 −26.79 ± 3.129
pull
Entries 86
Mean 16.17
Std Dev 47.3

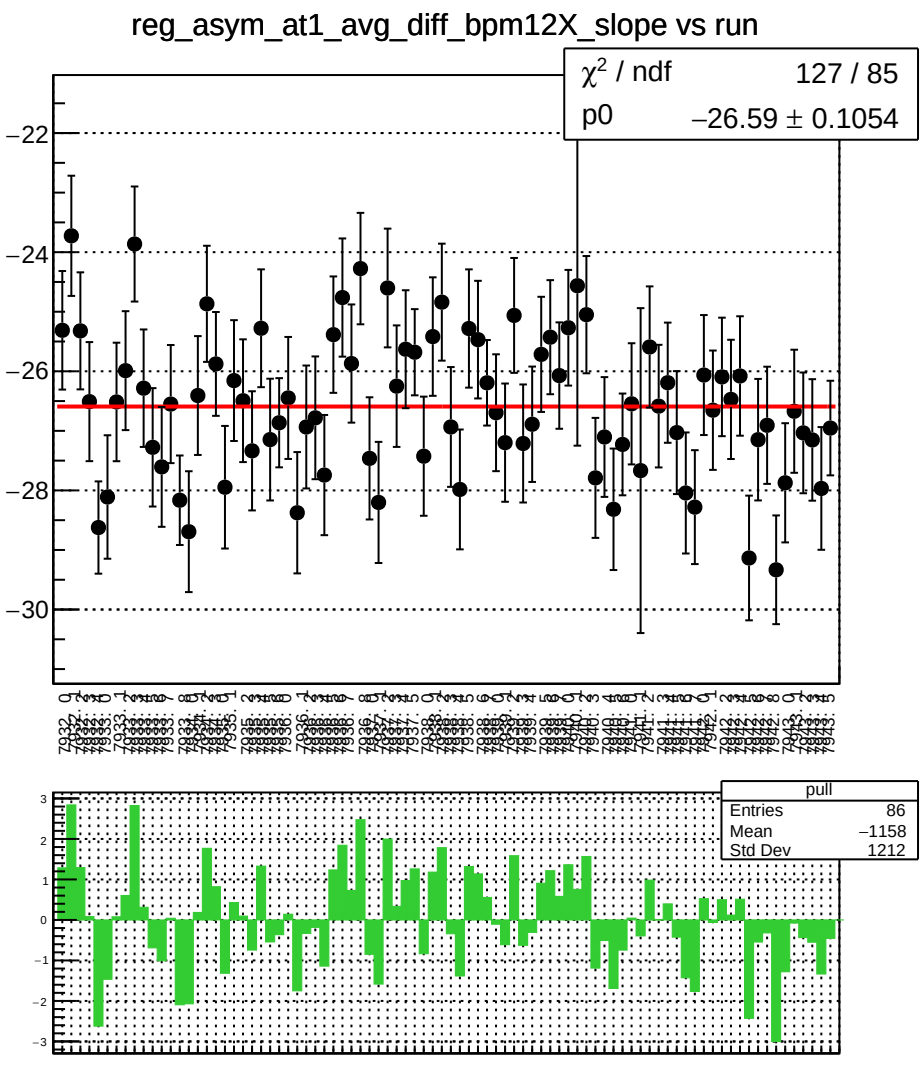

pull1D
Entries 86
Mean 0.03111
Std Dev 0.7428

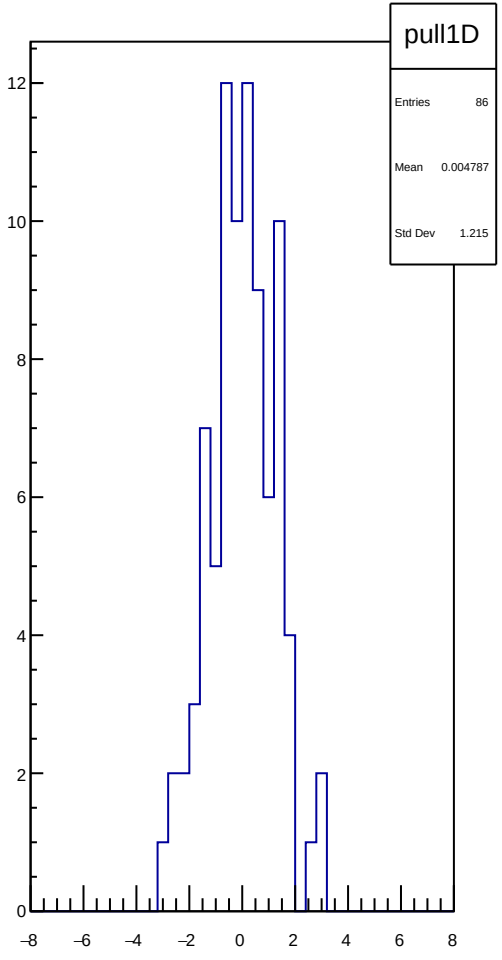

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 62.46 / 85
p0 6.579 ± 3.26
pull
Entries 86
Mean 4.815
Std Dev 61.7
pull1D
Entries 86
Mean −0.01457
Std Dev 0.8521

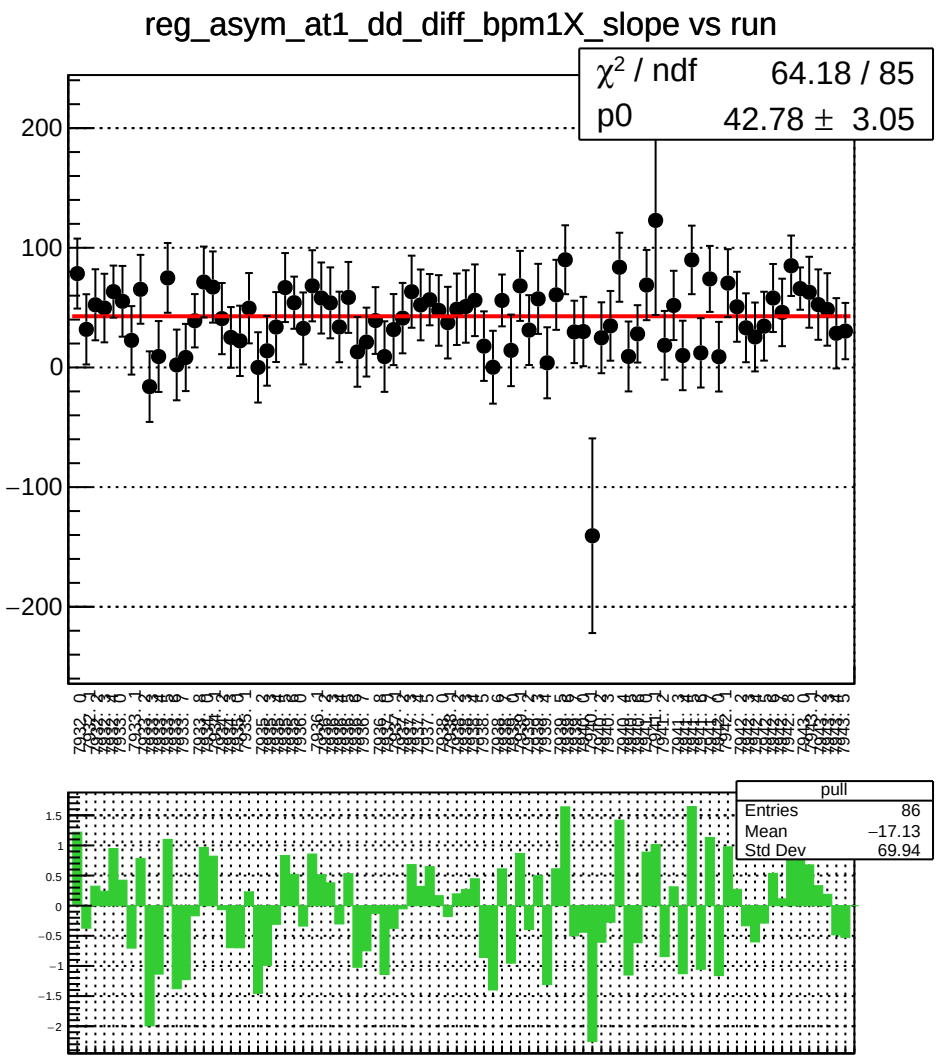

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 48.26 / 85
p0 14.48 ± 2.815
pull
Entries 86
Mean 10.49
Std Dev 50.3

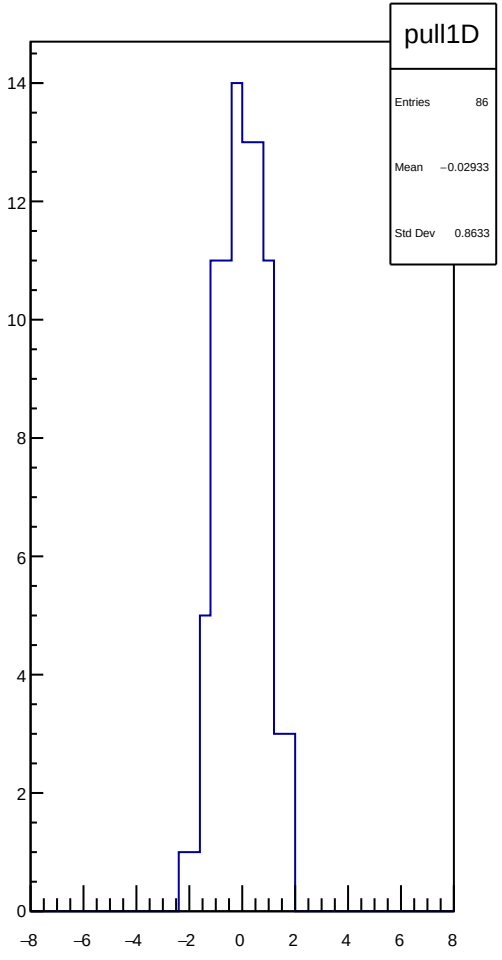

pull1D
Entries 86
Mean −0.03138
Std Dev 0.7484

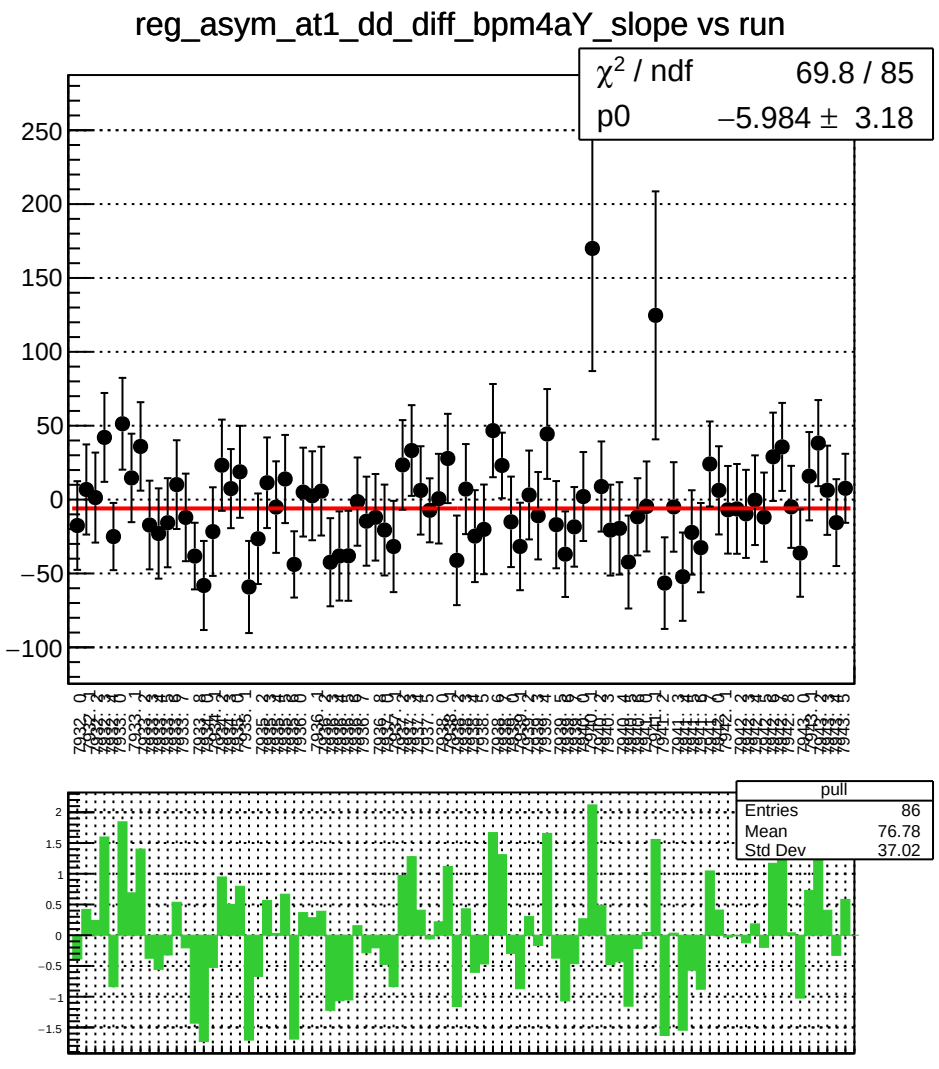

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 64.35 / 85
p0 9.197 ± 3.759
300
200
100
0
−100
−200
pull
Entries 86
Mean 66.03
Std Dev 61.29
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.01411
Std Dev 0.8649
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

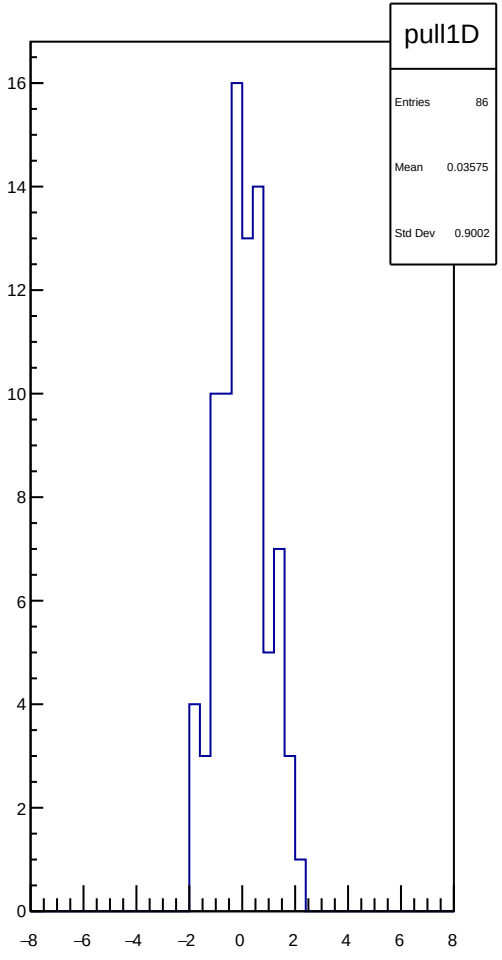

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 127 / 85
p0 −26.59 ± 0.1054
pull
Entries 86
Mean −1158
Std Dev 1212

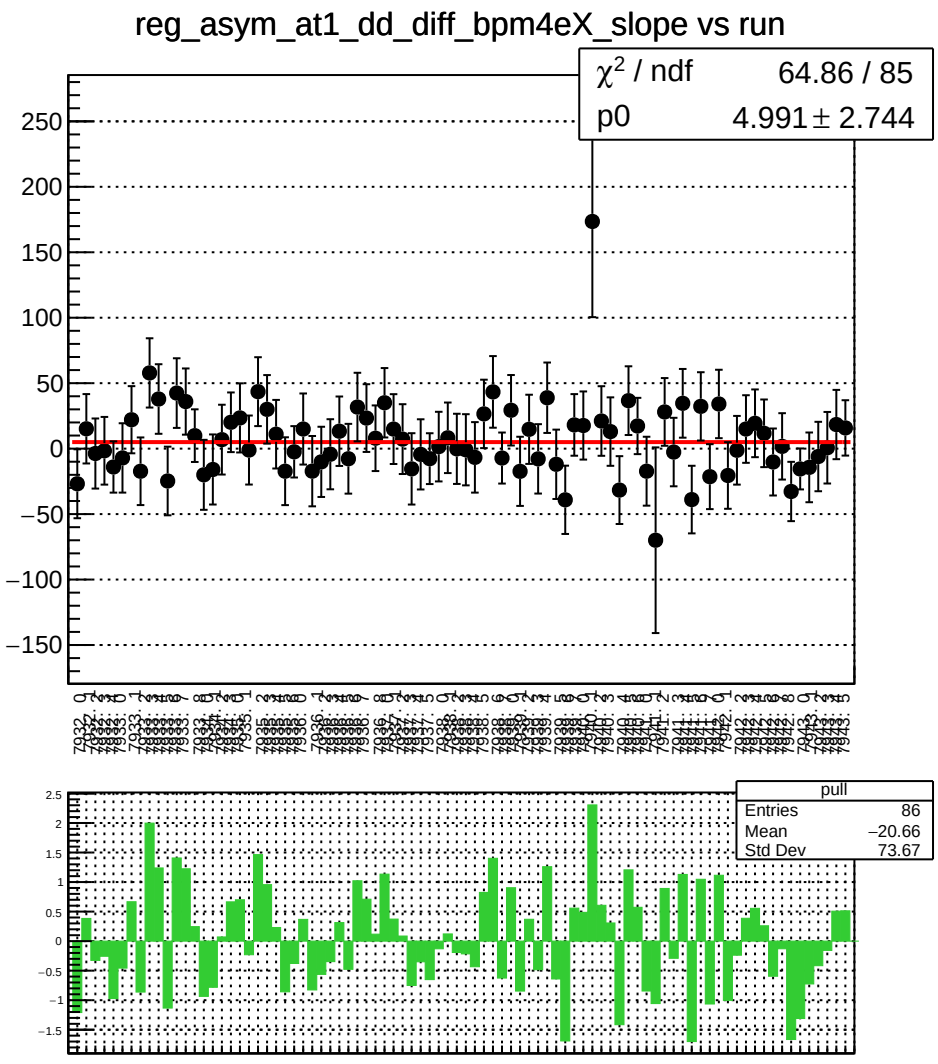

pull1D
Entries 86
Mean 0.004787
Std Dev 1.215

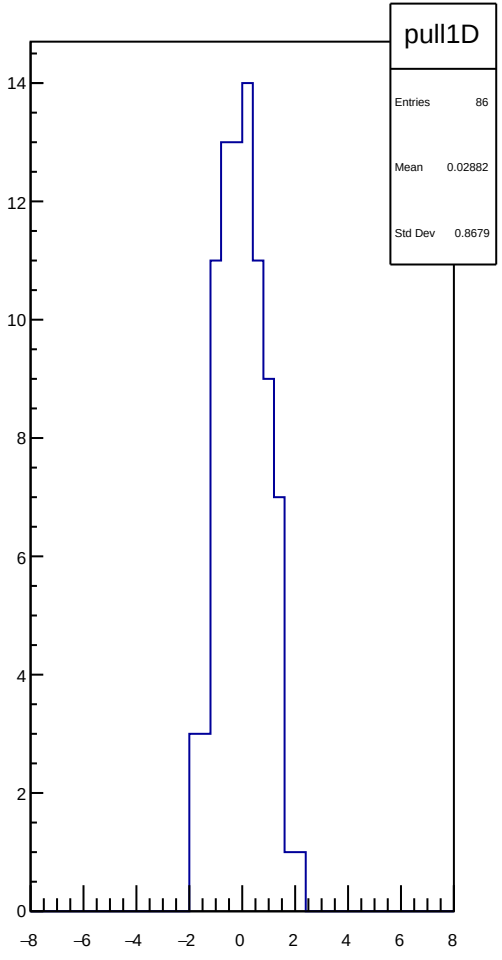

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 64.18 / 85
p0 42.78 ± 3.05
pull
Entries 86
Mean −17.13
Std Dev 69.94

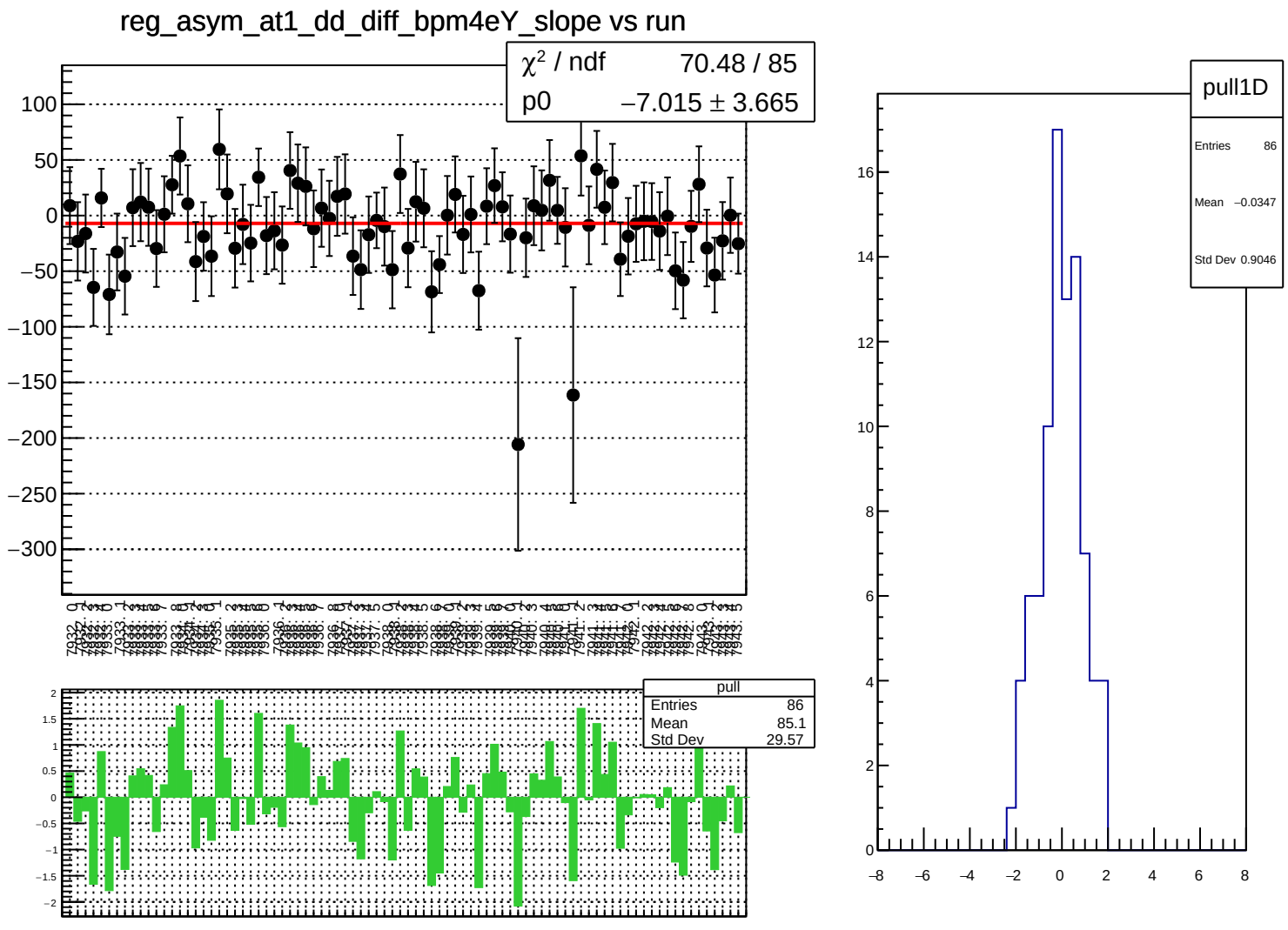

pull1D
Entries 86
Mean −0.02933
Std Dev 0.8633

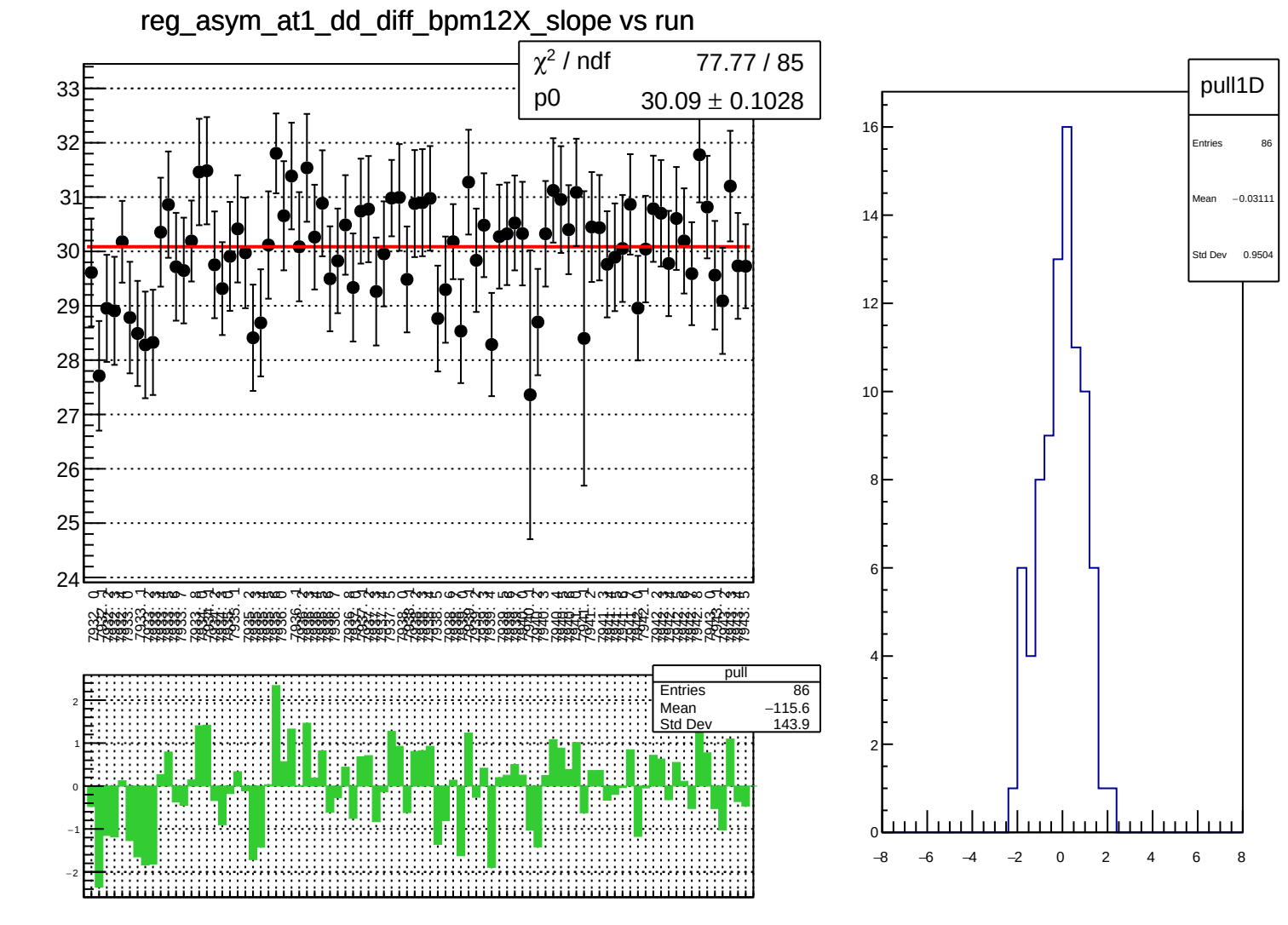

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 69.8 / 85
p0 −5.984 ± 3.18
250
200
150
100
50
0
−50
−100
pull
Entries 86
Mean 76.78
Std Dev 37.02
2
1.5
1
0.5
0
−0.5
−1
−1.5

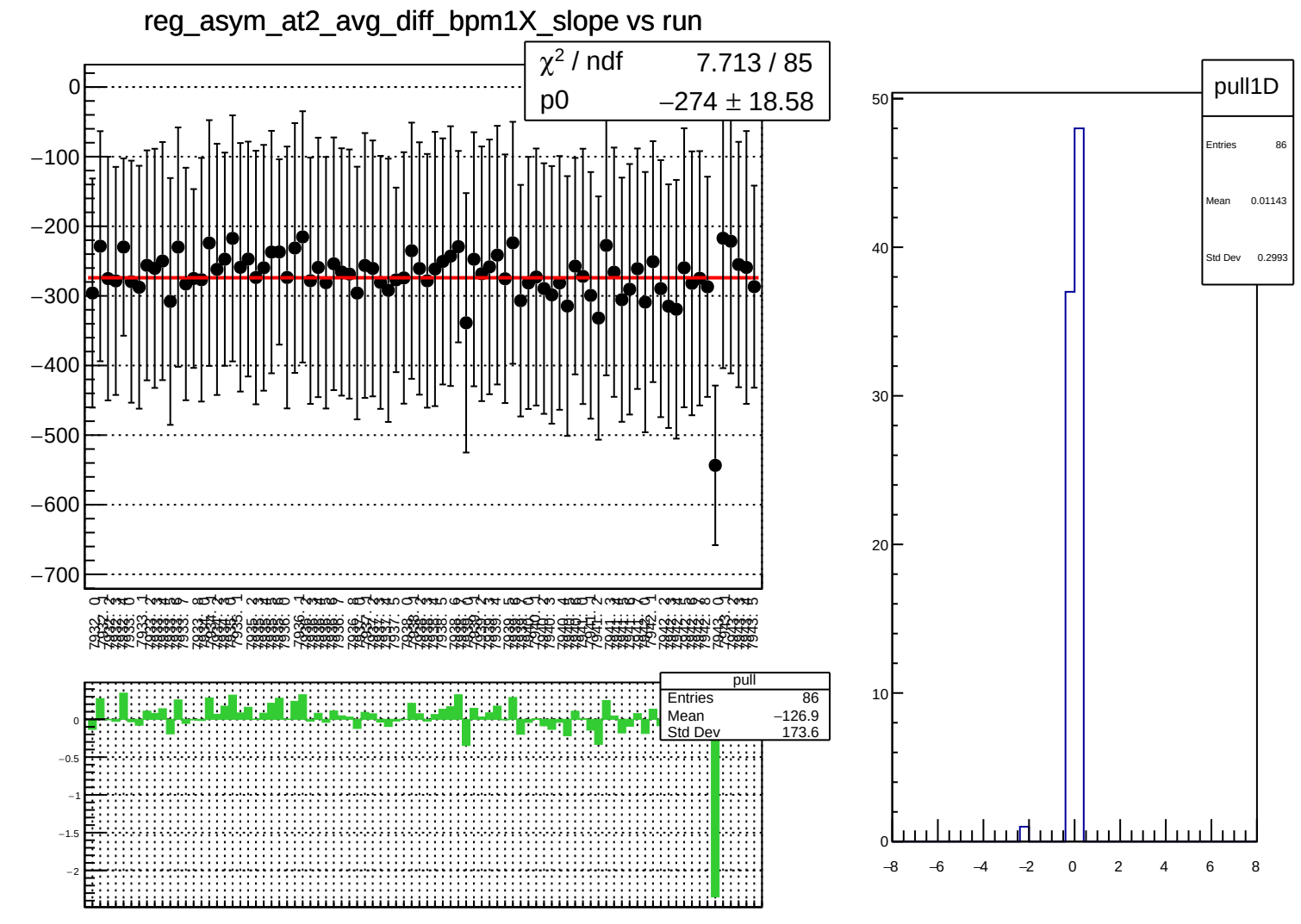

pull1D
Entries 86
Mean 0.03575
Std Dev 0.9002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

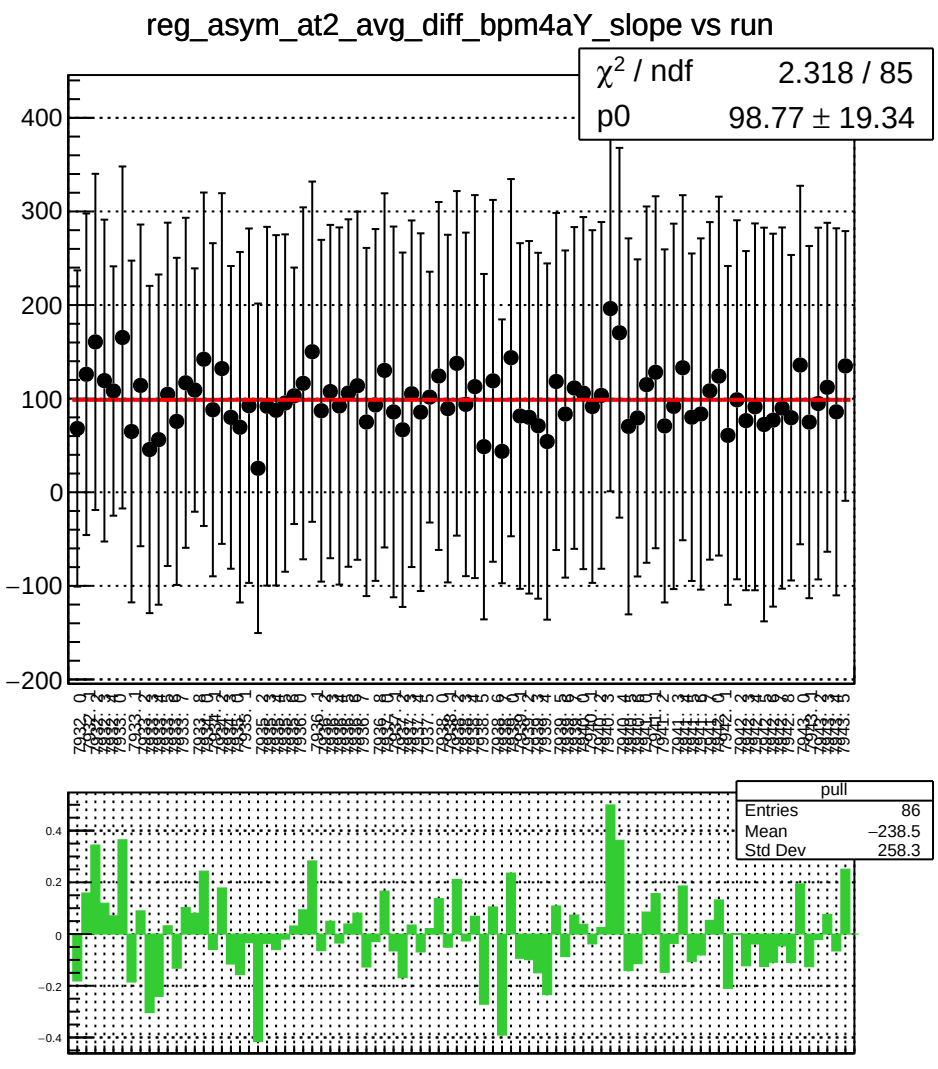

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.86 / 85
p0 4.991 ± 2.744
pull
Entries 86
Mean −20.66
Std Dev 73.67

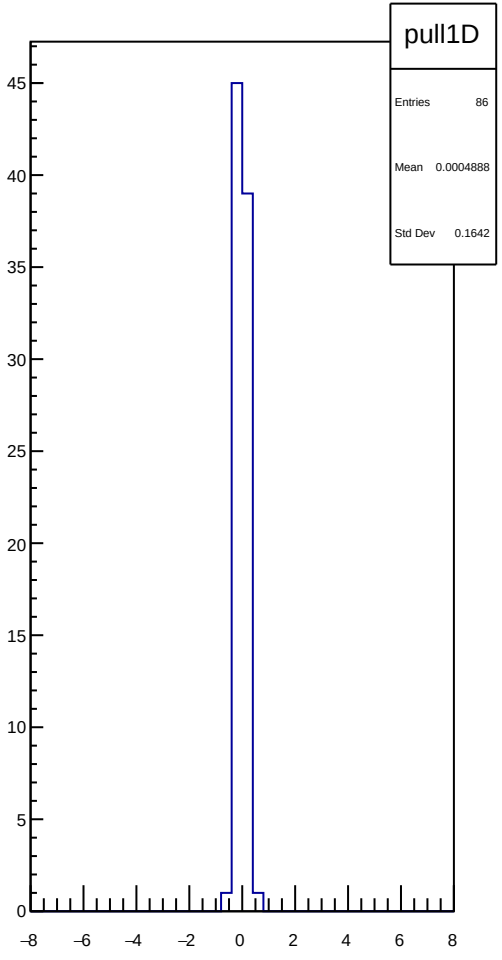

pull1D
Entries 86
Mean 0.02882
Std Dev 0.8679

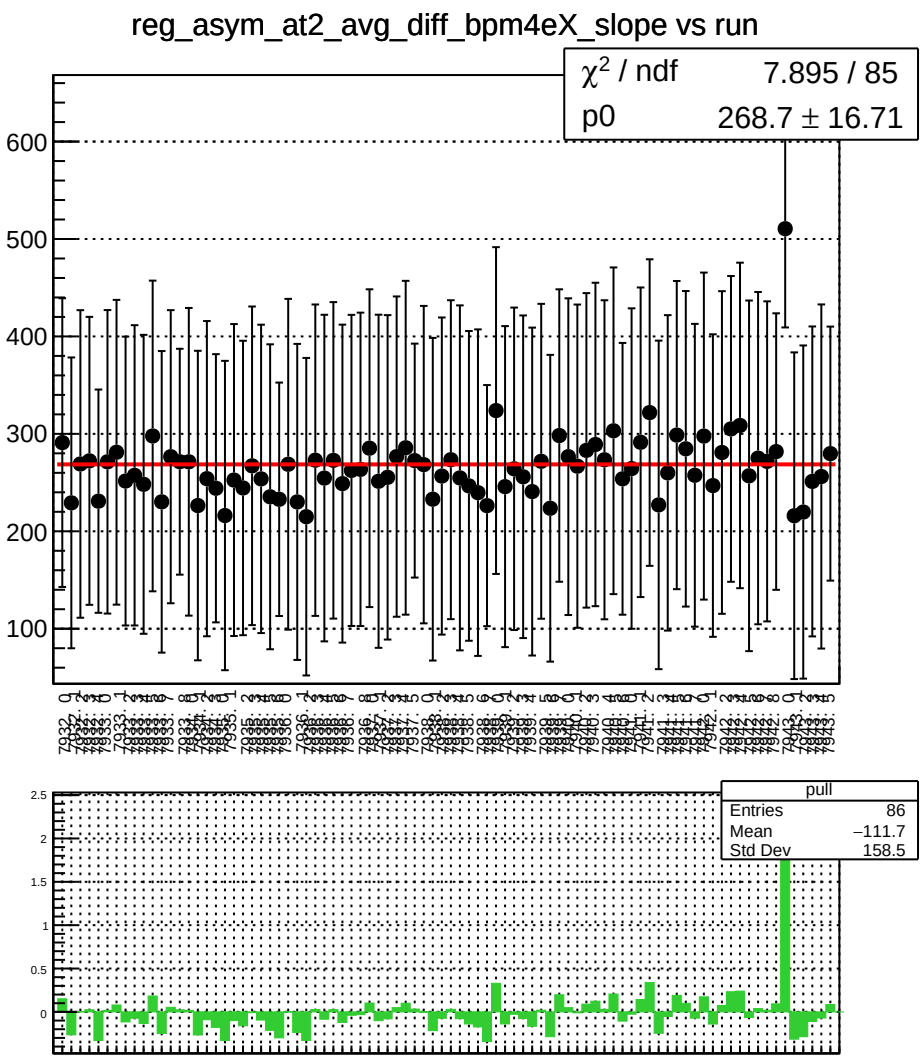

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.48 / 85
p0 −7.015 ± 3.665
pull
Entries 86
Mean 85.1
Std Dev 29.57
pull1D
Entries 86
Mean −0.0347
Std Dev 0.9046

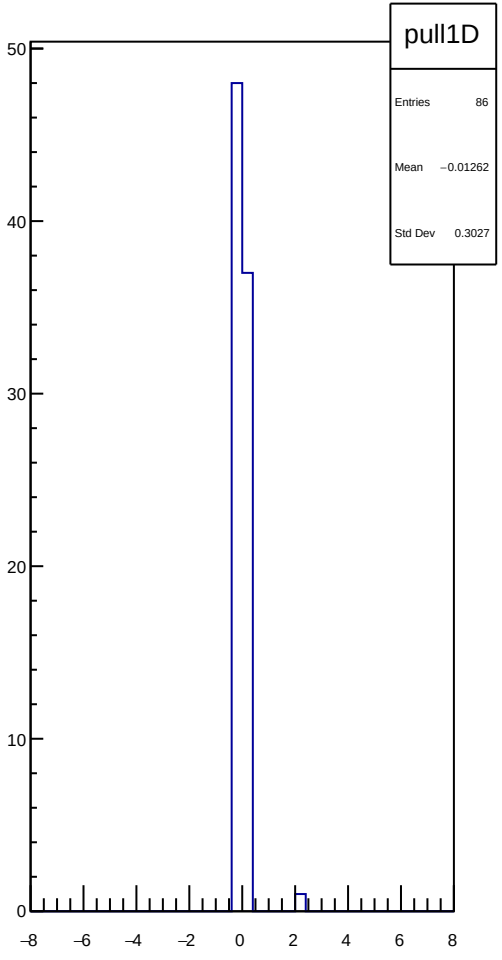

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 77.77 / 85
p0 30.09 ± 0.1028
pull
Entries 86
Mean −115.6
Std Dev 143.9
pull1D
Entries 86
Mean −0.03111
Std Dev 0.9504

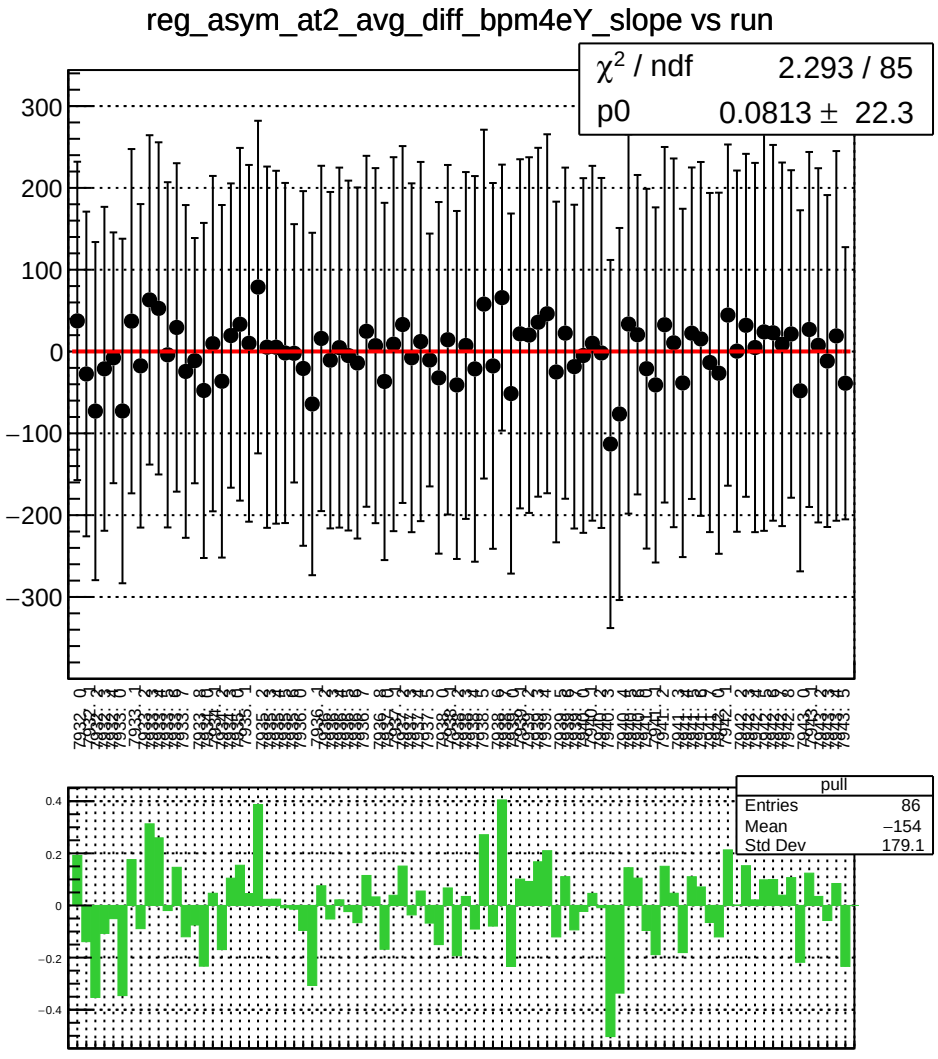

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 7.713 / 85
p0 −274 ± 18.58
pull
Entries 86
Mean −126.9
Std Dev 173.6
pull1D
Entries 86
Mean 0.01143
Std Dev 0.2993

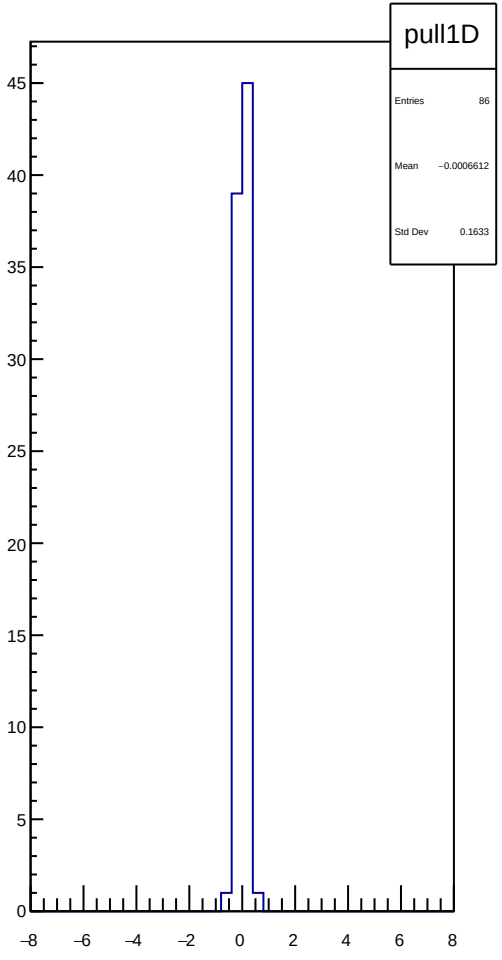

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.318 / 85
p0 98.77 ± 19.34
pull
Entries 86
Mean −238.5
Std Dev 258.3

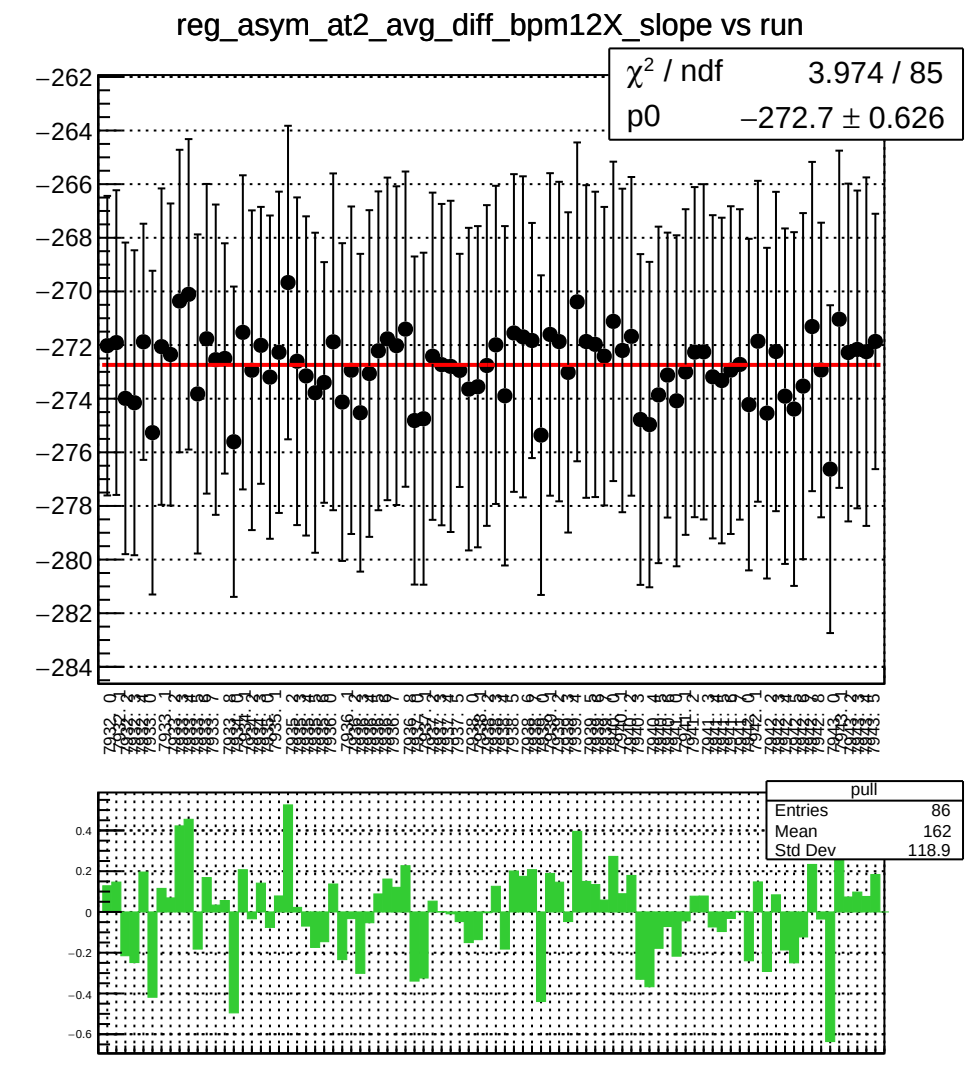

pull1D
Entries 86
Mean 0.0004888
Std Dev 0.1642

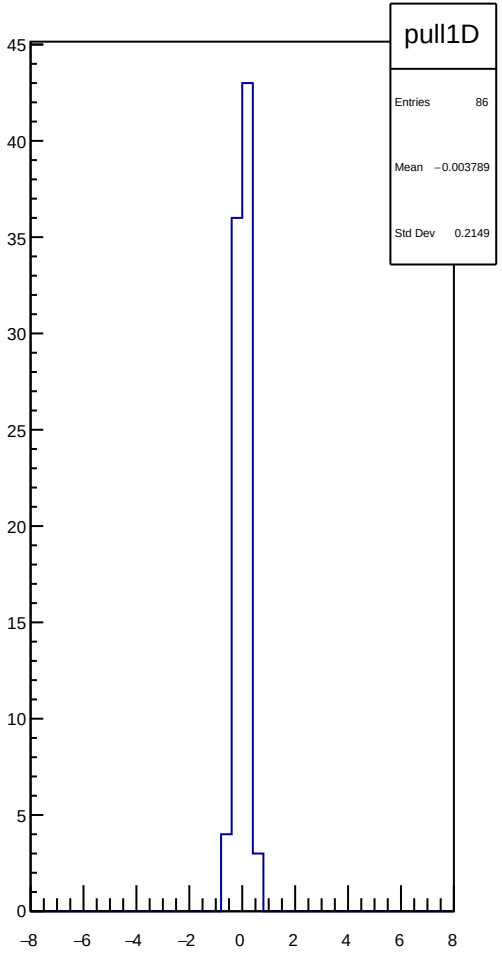

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.895 / 85
p0 268.7 ± 16.71
pull
Entries 86
Mean −111.7
Std Dev 158.5

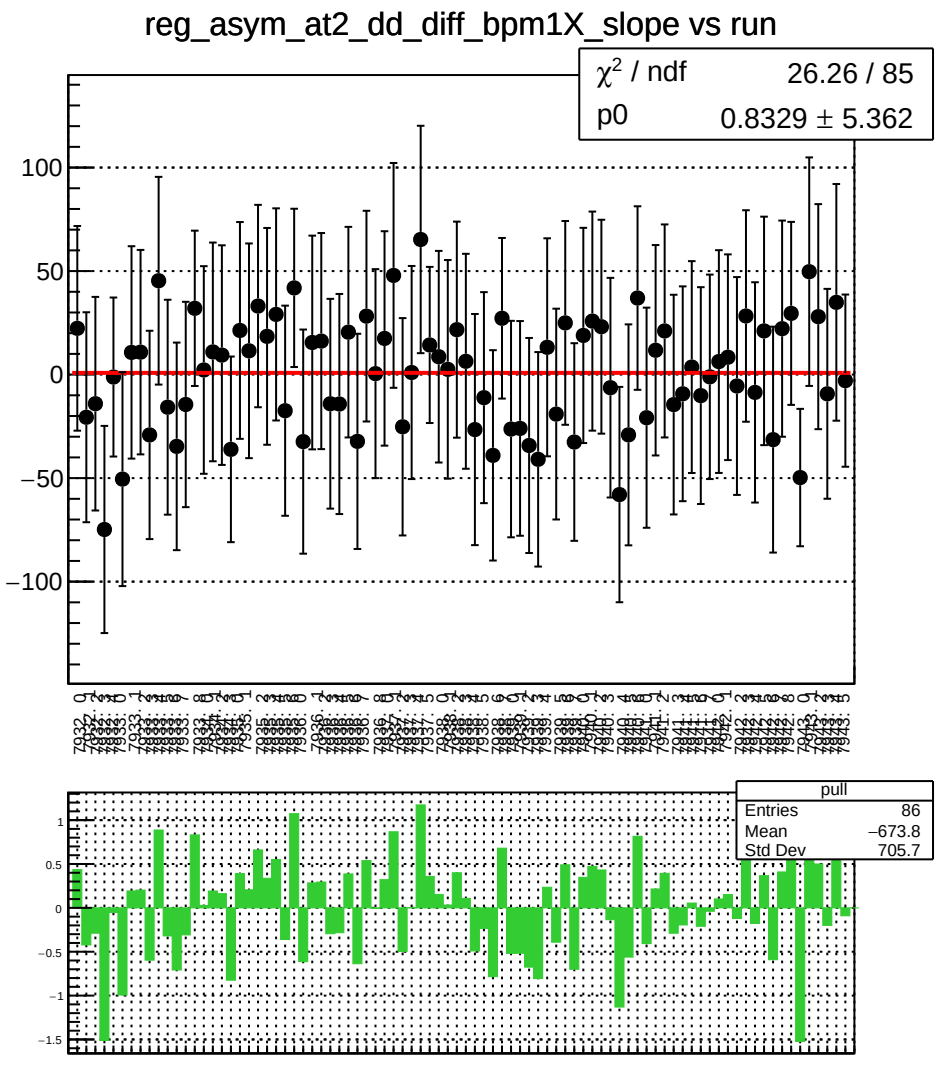

pull1D
Entries 86
Mean −0.01262
Std Dev 0.3027

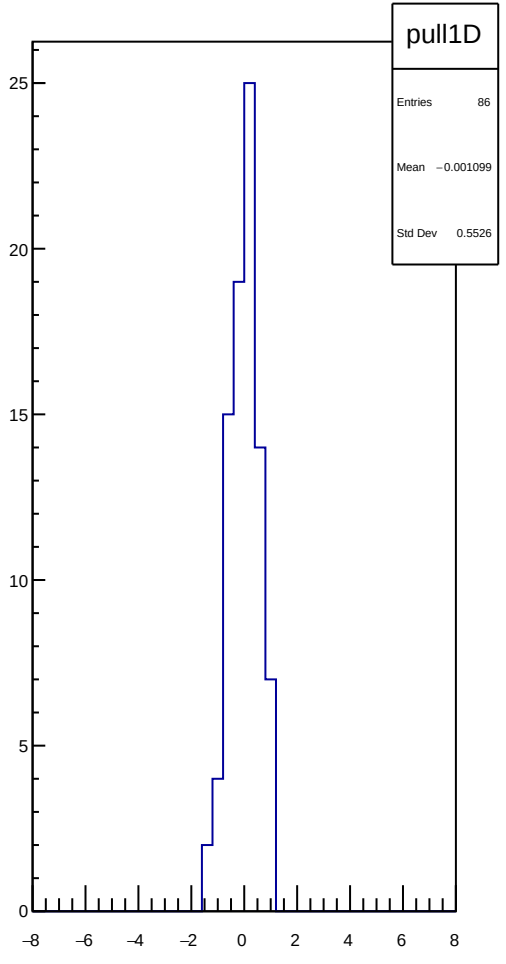

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.293 / 85
p0 0.0813 ± 22.3
pull
Entries 86
Mean −154
Std Dev 179.1

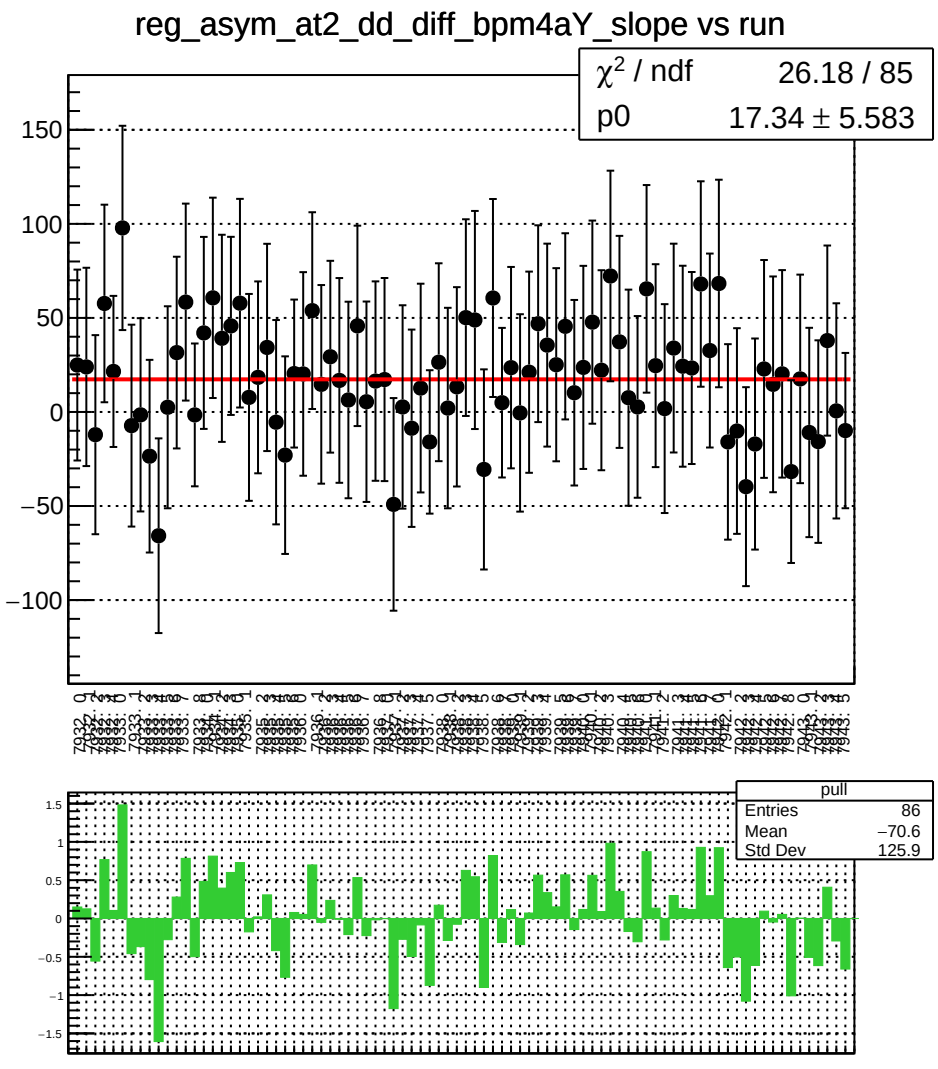

pull1D
Entries 86
Mean −0.0006612
Std Dev 0.1633

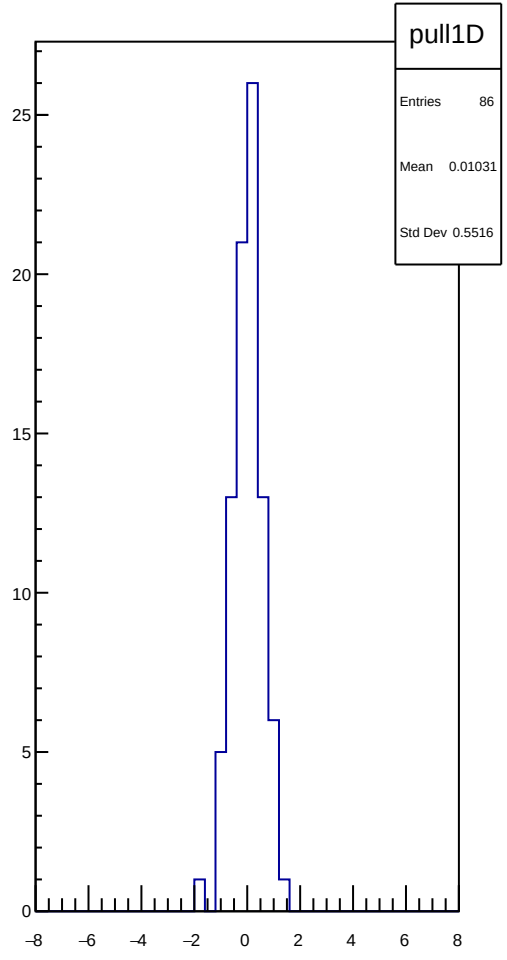

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 3.974 / 85
p0 −272.7 ± 0.626
pull
Entries 86
Mean 162
Std Dev 118.9

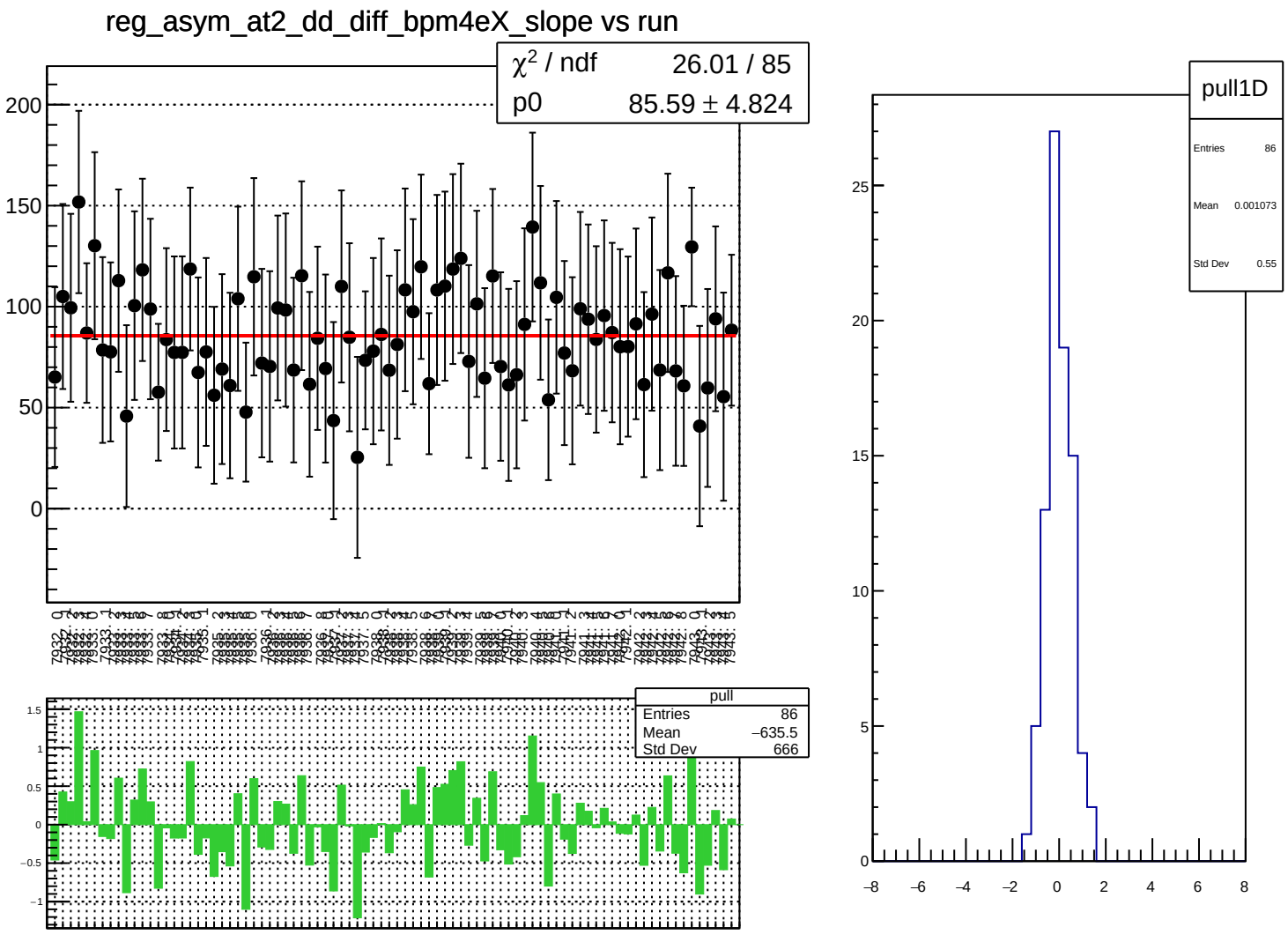

pull1D
Entries 86
Mean −0.003789
Std Dev 0.2149

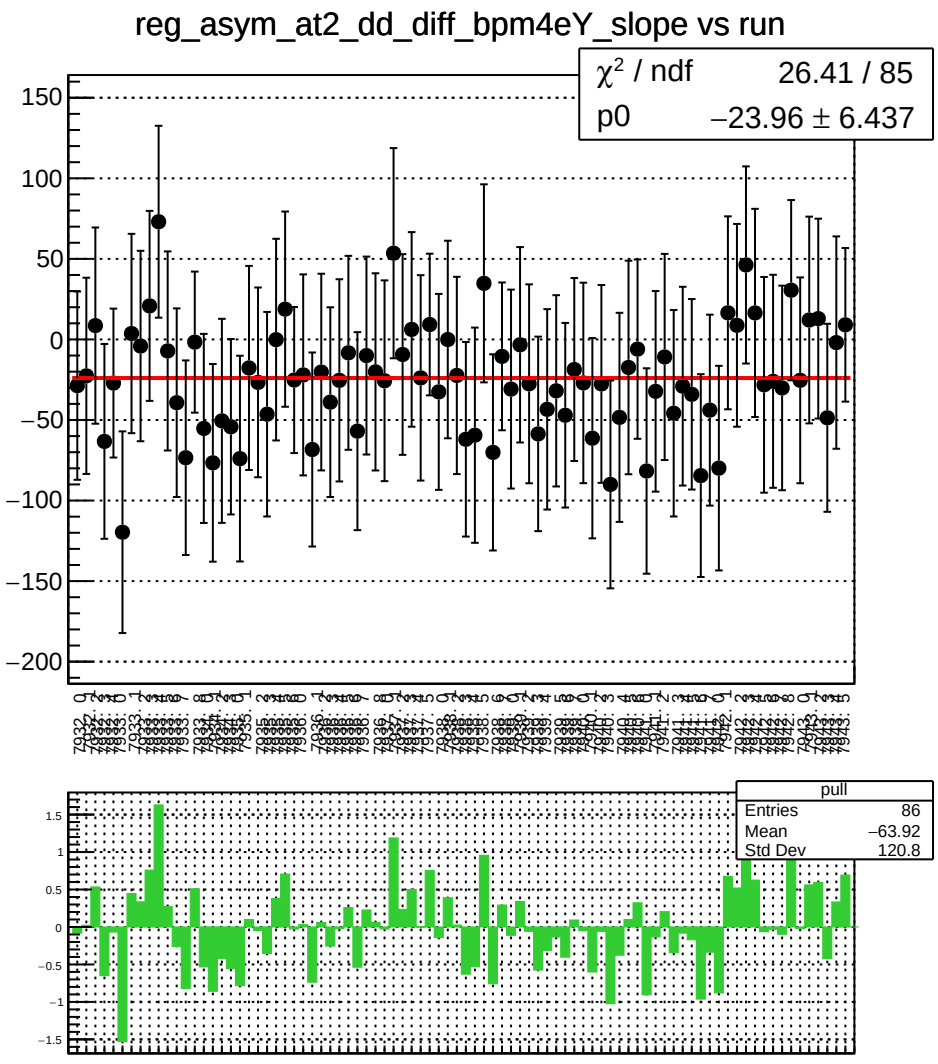

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 26.26 / 85
p0 0.8329 ± 5.362
100
50
0
−50
−100
pull
Entries 86
Mean −673.8
Std Dev 705.7
1
0.5
0
−0.5
−1
−1.5

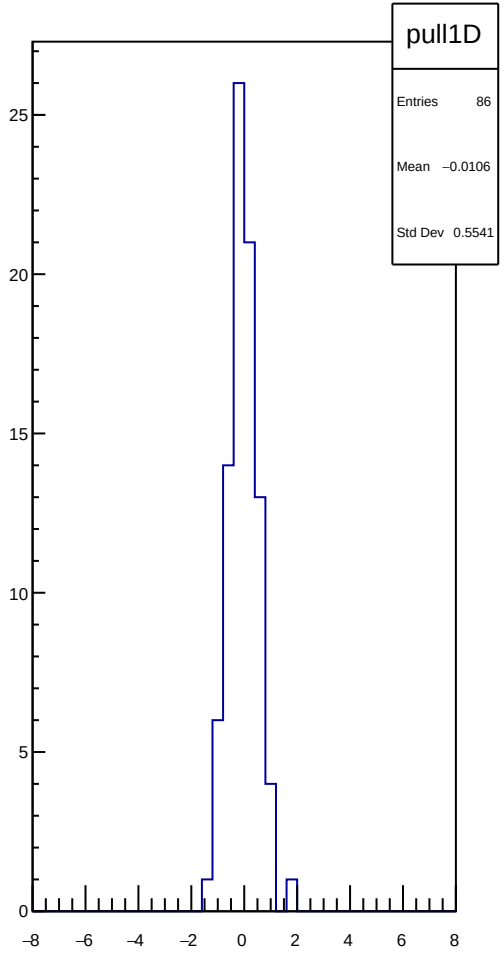

pull1D
Entries 86
Mean −0.001099
Std Dev 0.5526
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

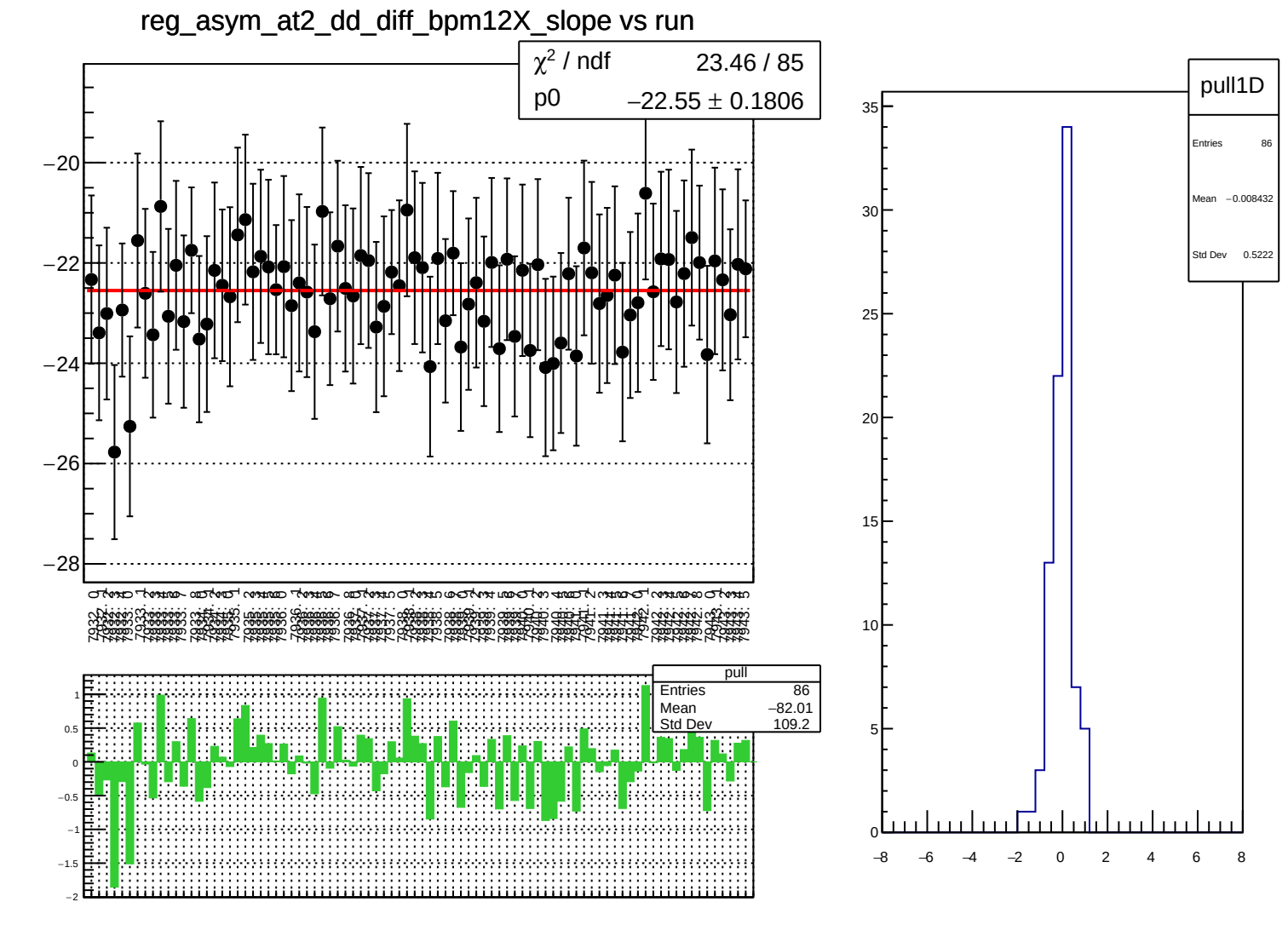

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.18 / 85
p0 17.34 ± 5.583
150
100
50
0
−50
−100
pull
Entries 86
Mean −70.6
Std Dev 125.9
1.5
1
0.5
0
−0.5
−1
−1.5

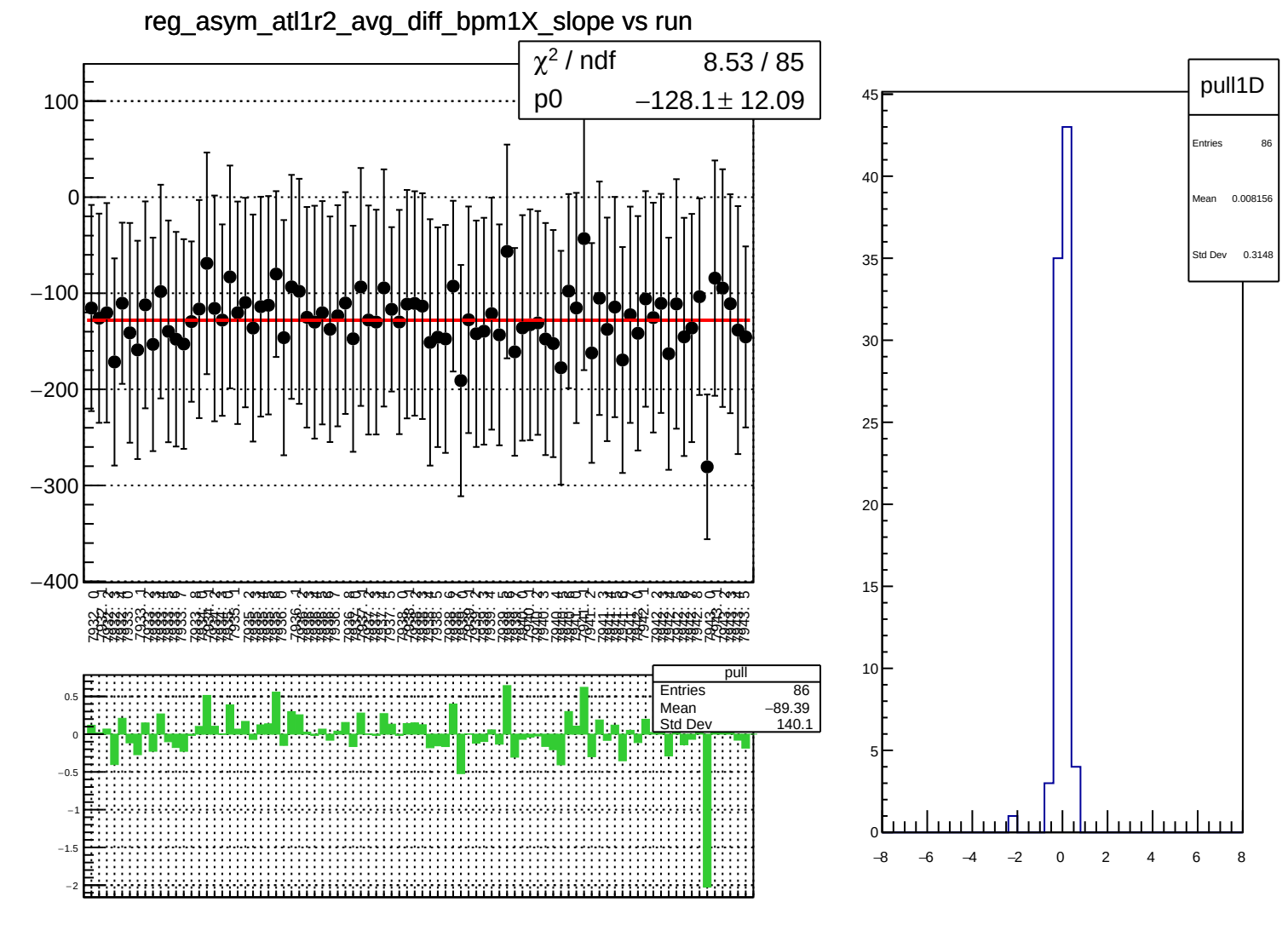

pull1D
Entries 86
Mean 0.01031
Std Dev 0.5516
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

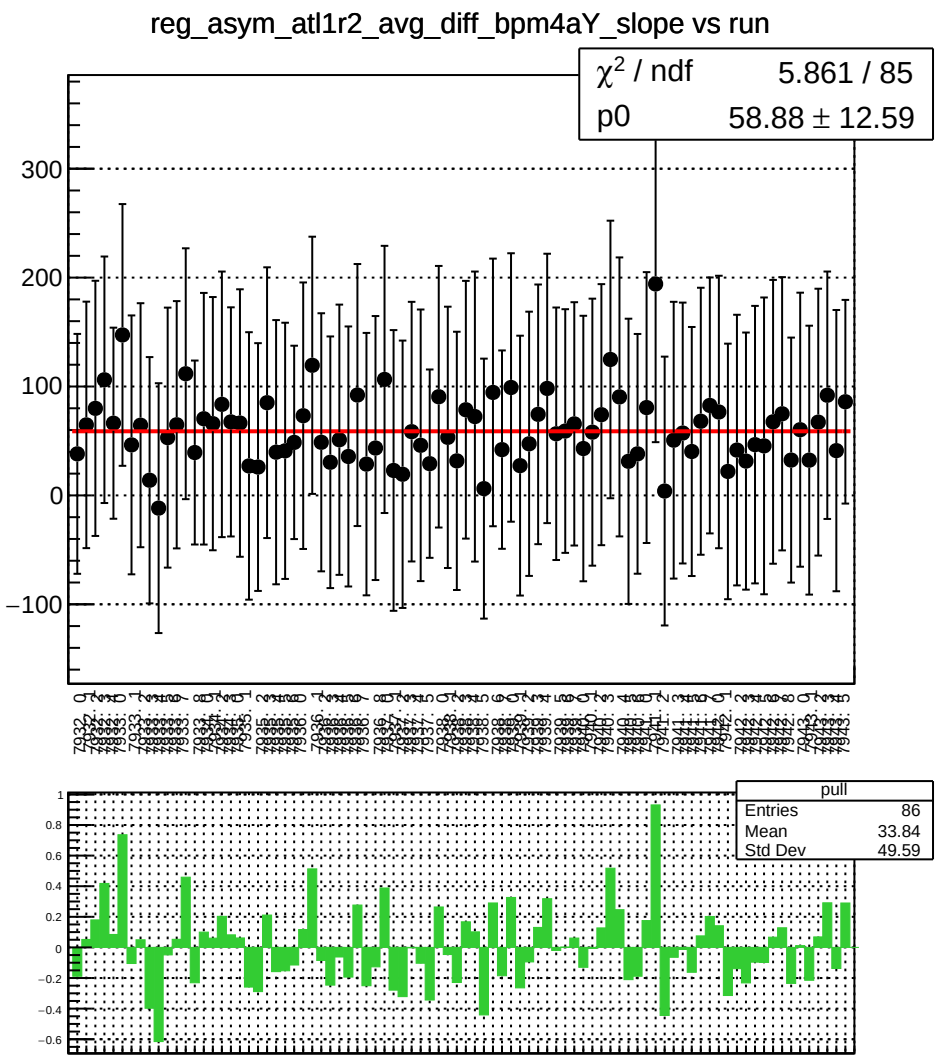

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.01 / 85
p0 85.59 ± 4.824
pull
Entries 86
Mean −635.5
Std Dev 666
pull1D
Entries 86
Mean 0.001073
Std Dev 0.55

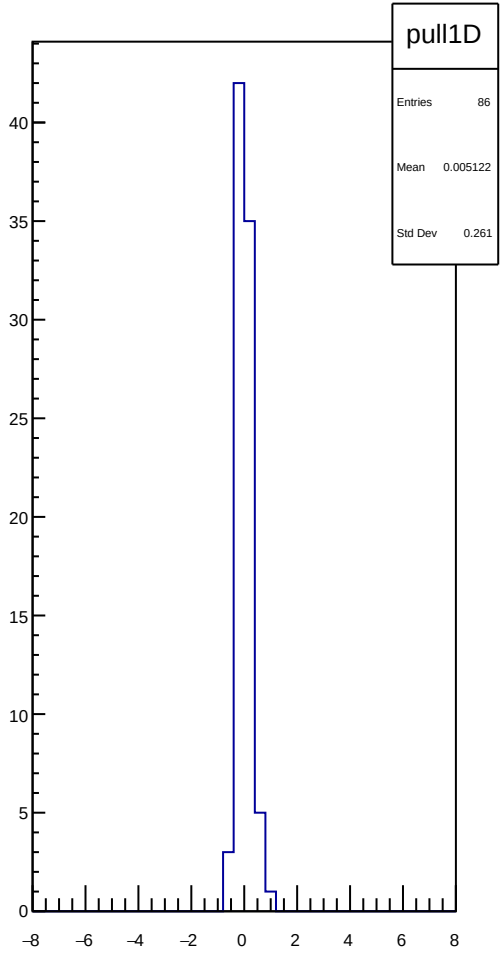

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.41 / 85
p0 −23.96 ± 6.437
150
100
50
0
−50
−100
−150
−200
pull
Entries 86
Mean −63.92
Std Dev 120.8
1.5
1
0.5
0
−0.5
−1
−1.5

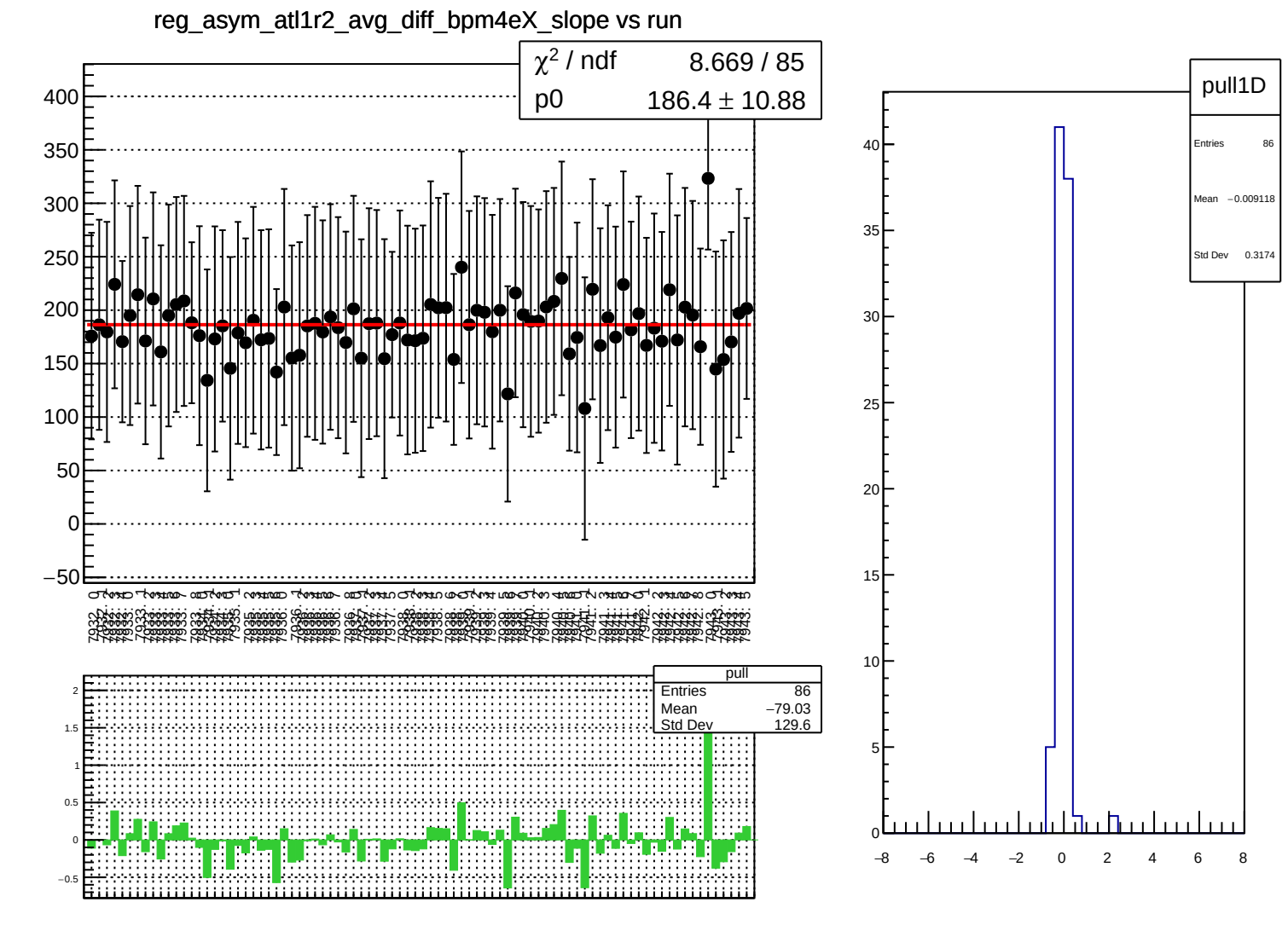

pull1D
Entries 86
Mean −0.0106
Std Dev 0.5541
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

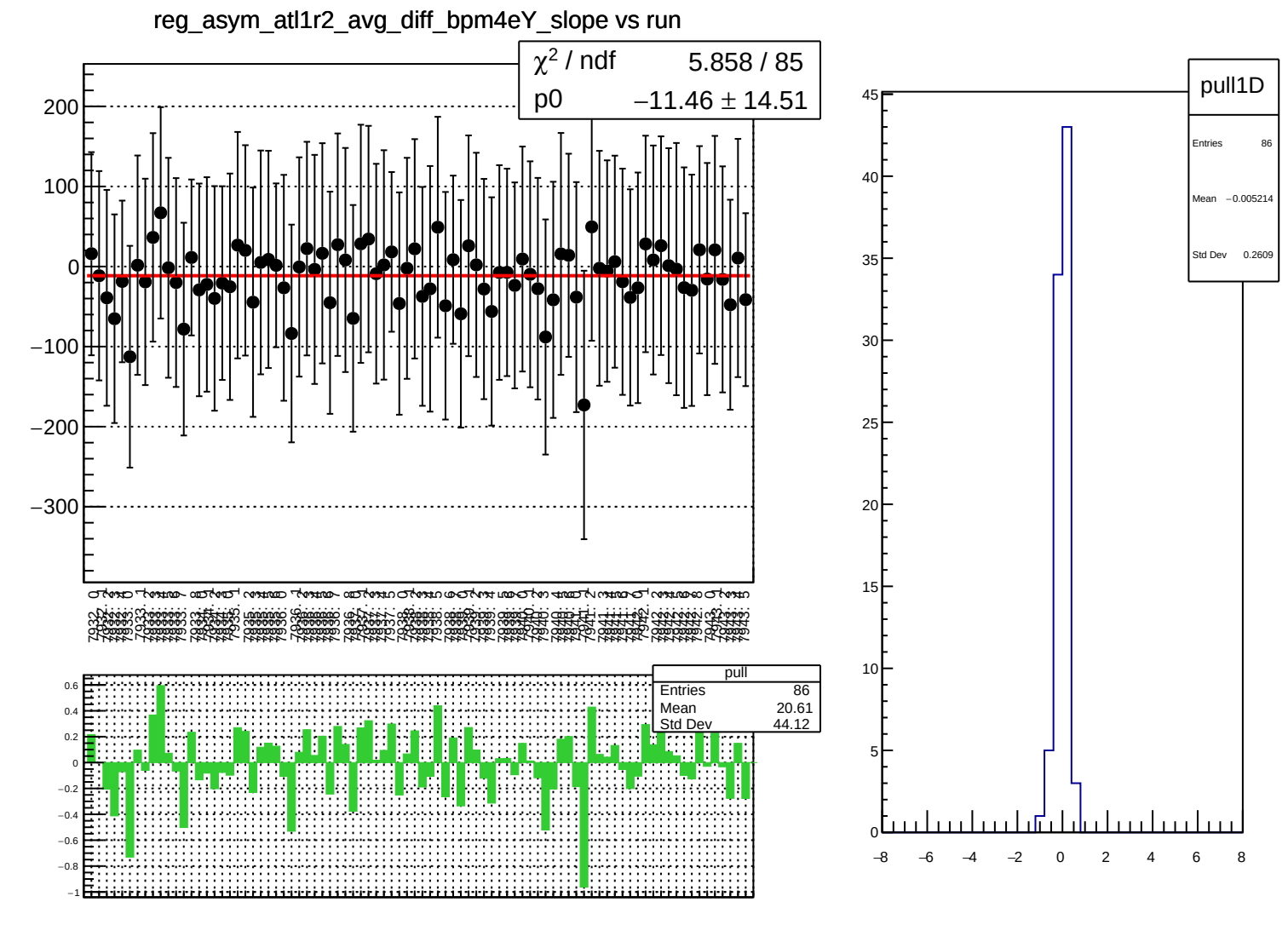

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 23.46 / 85
p0 −22.55 ± 0.1806
pull
Entries 86
Mean −82.01
Std Dev 109.2
pull1D
Entries 86
Mean −0.008432
Std Dev 0.5222

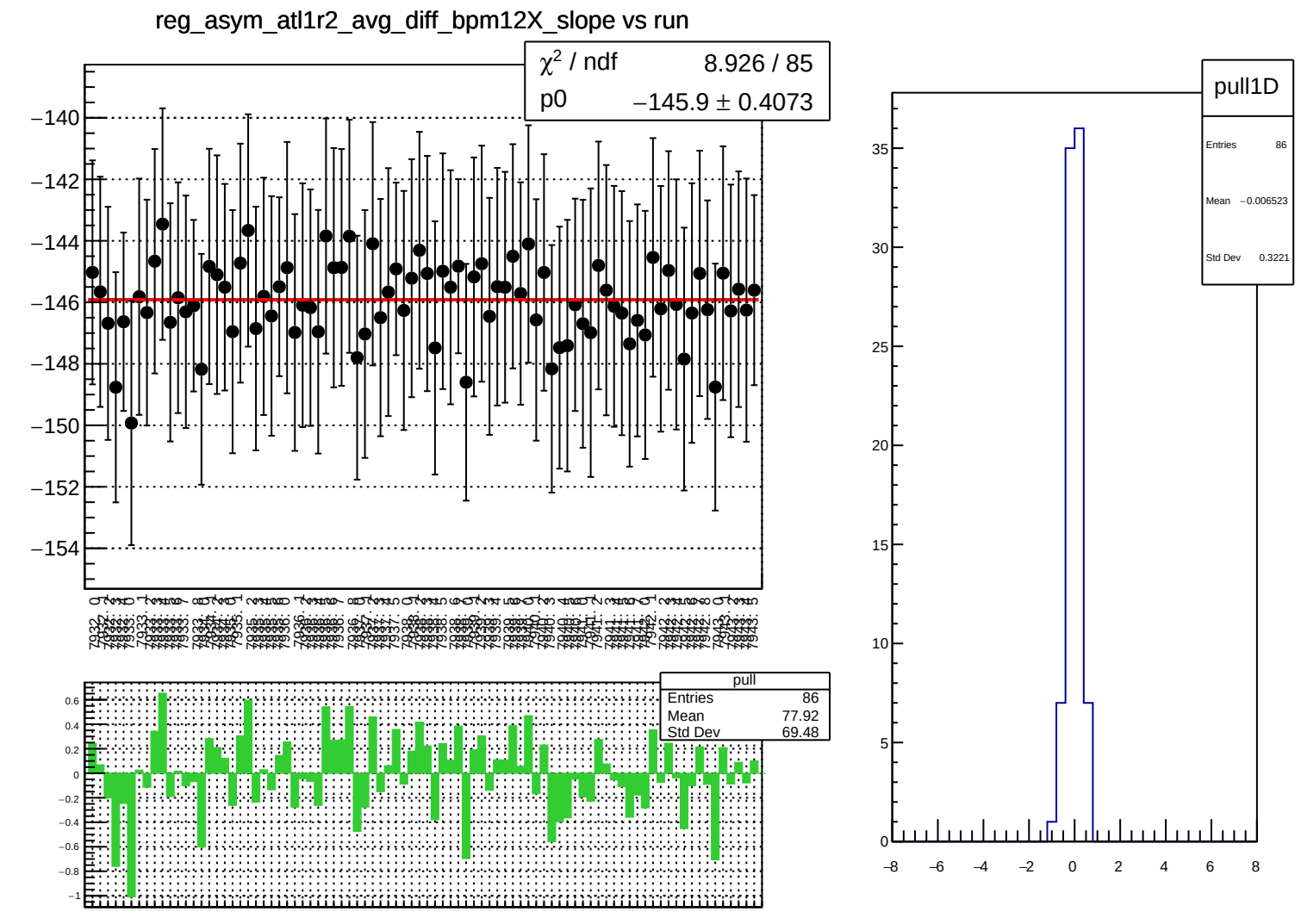

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 8.53 / 85
p0 −128.1± 12.09
pull
Entries 86
Mean −89.39
Std Dev 140.1
pull1D
Entries 86
Mean 0.008156
Std Dev 0.3148

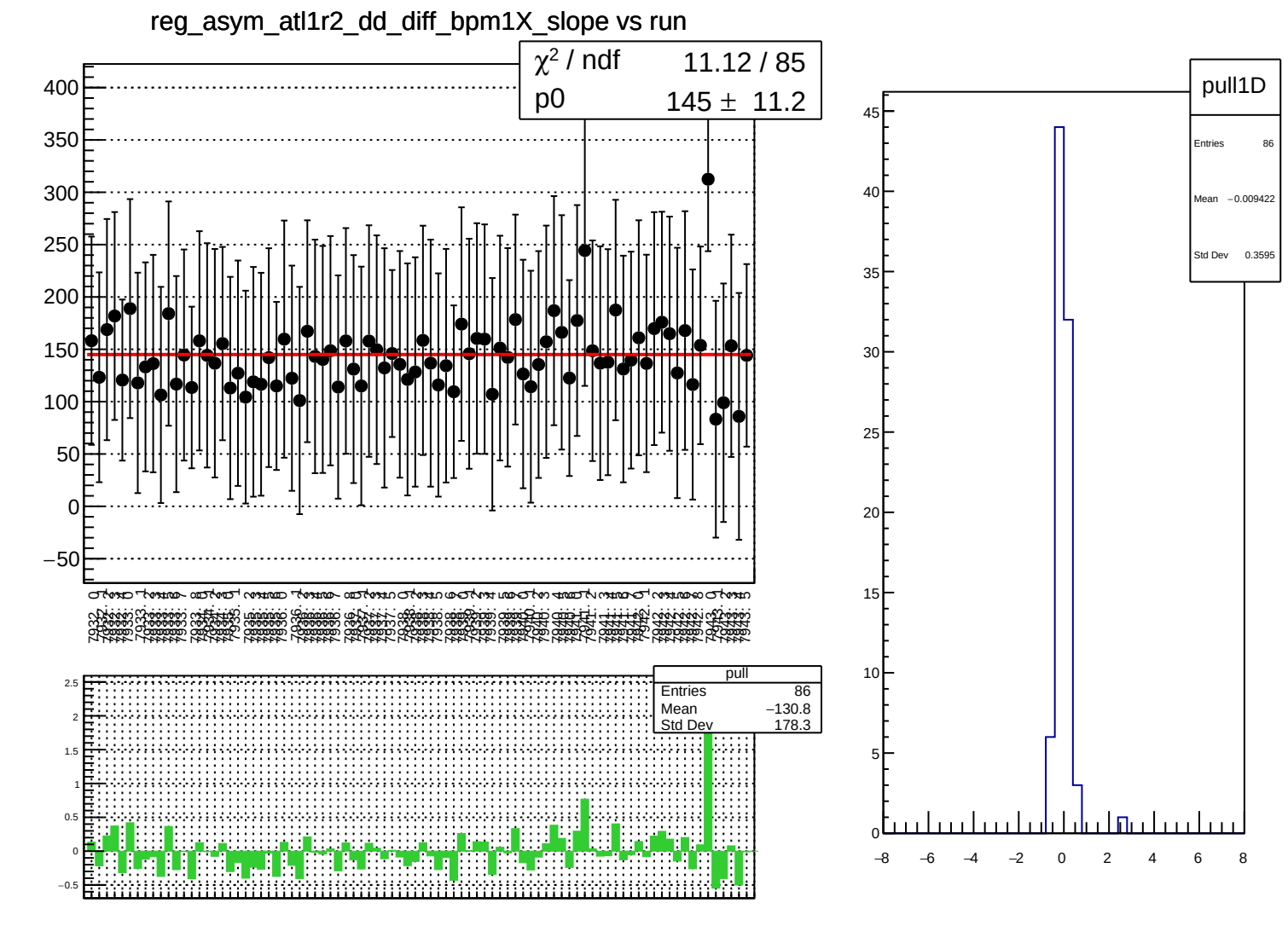

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.861 / 85
p0 58.88 ± 12.59
300
200
100
0
−100
pull
Entries 86
Mean 33.84
Std Dev 49.59
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

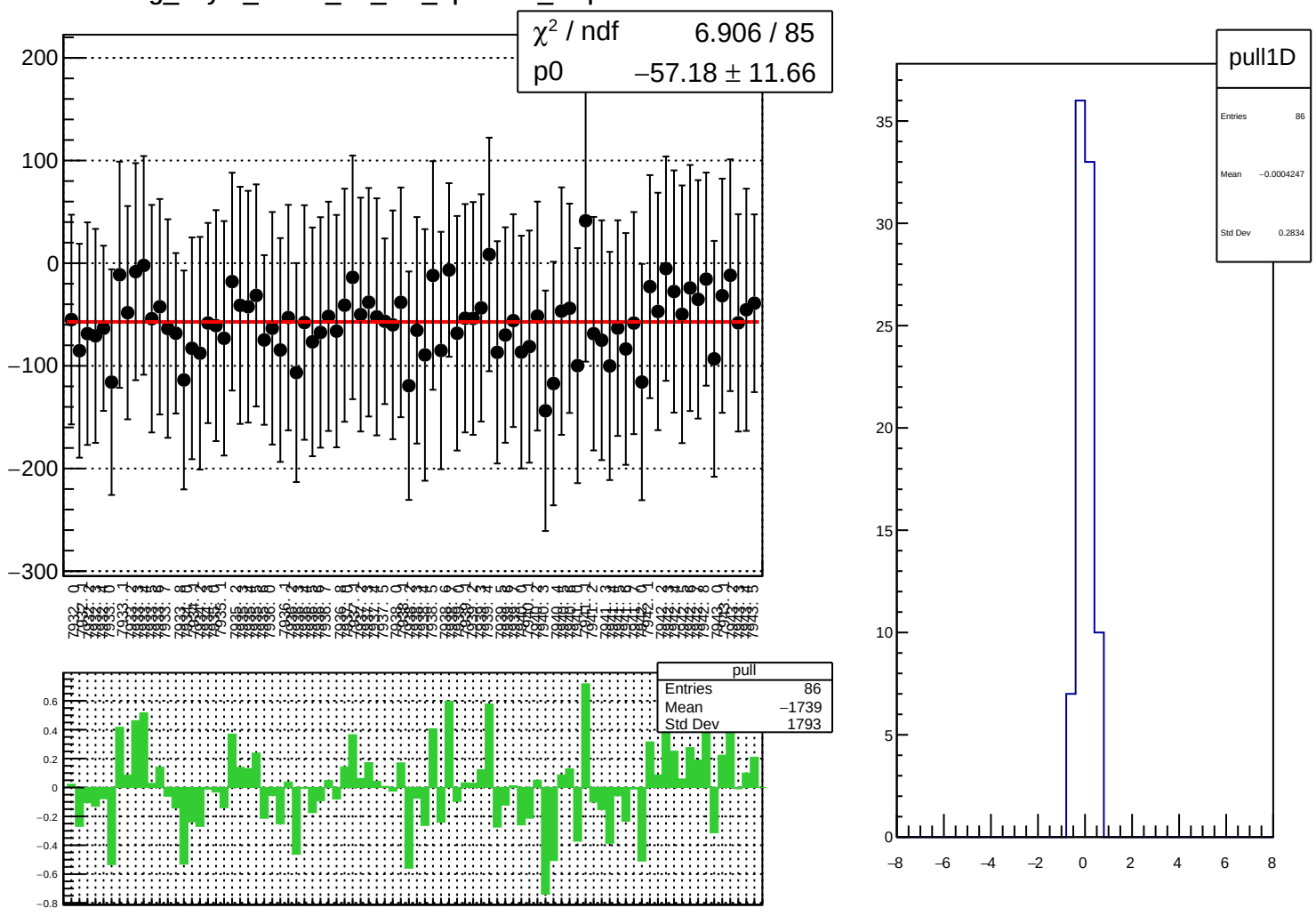

pull1D
Entries 86
Mean 0.005122
Std Dev 0.261
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

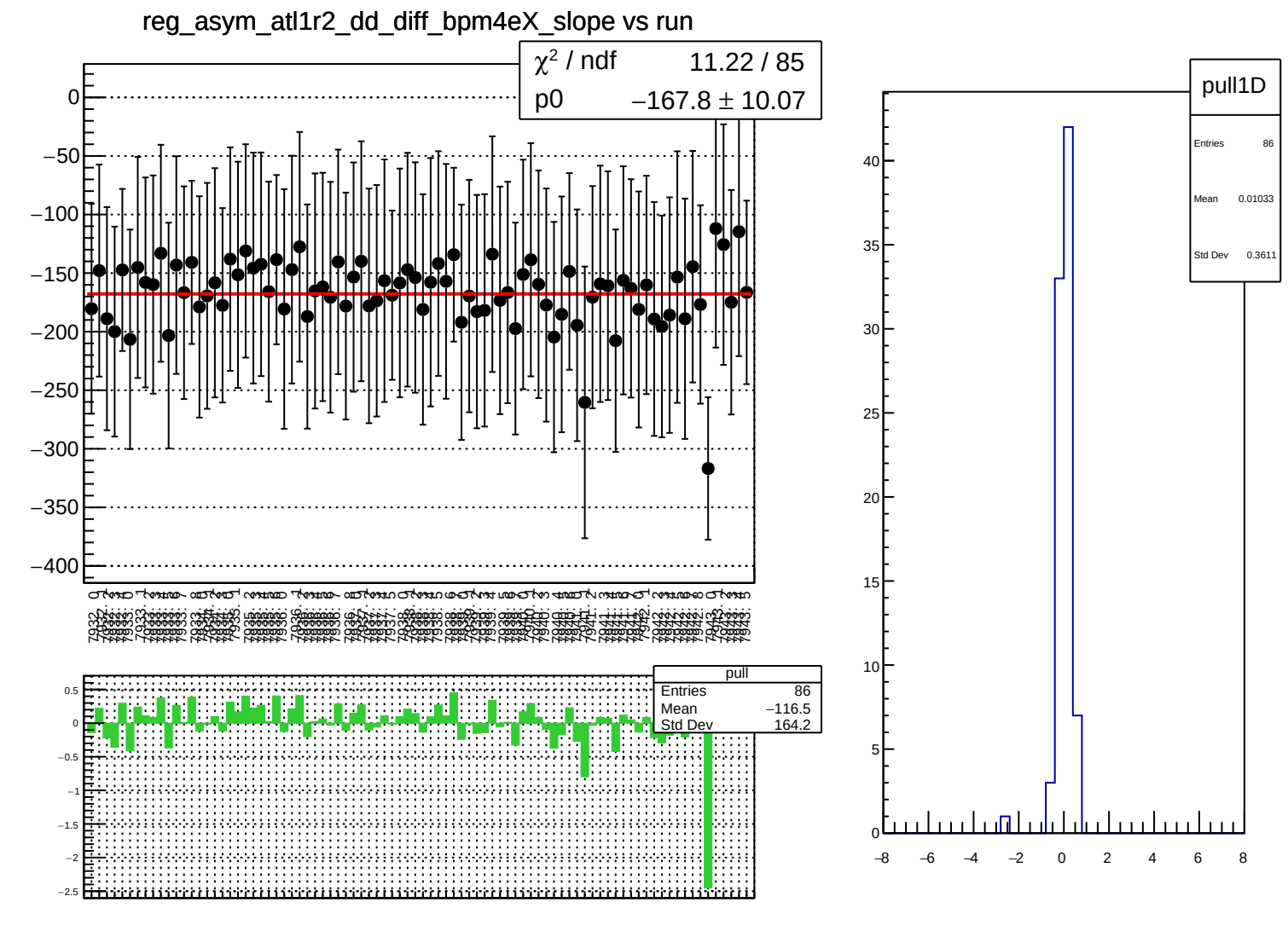

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.669 / 85
p0 186.4 ± 10.88
pull
Entries 86
Mean −79.03
Std Dev 129.6
pull1D
Entries 86
Mean −0.009118
Std Dev 0.3174

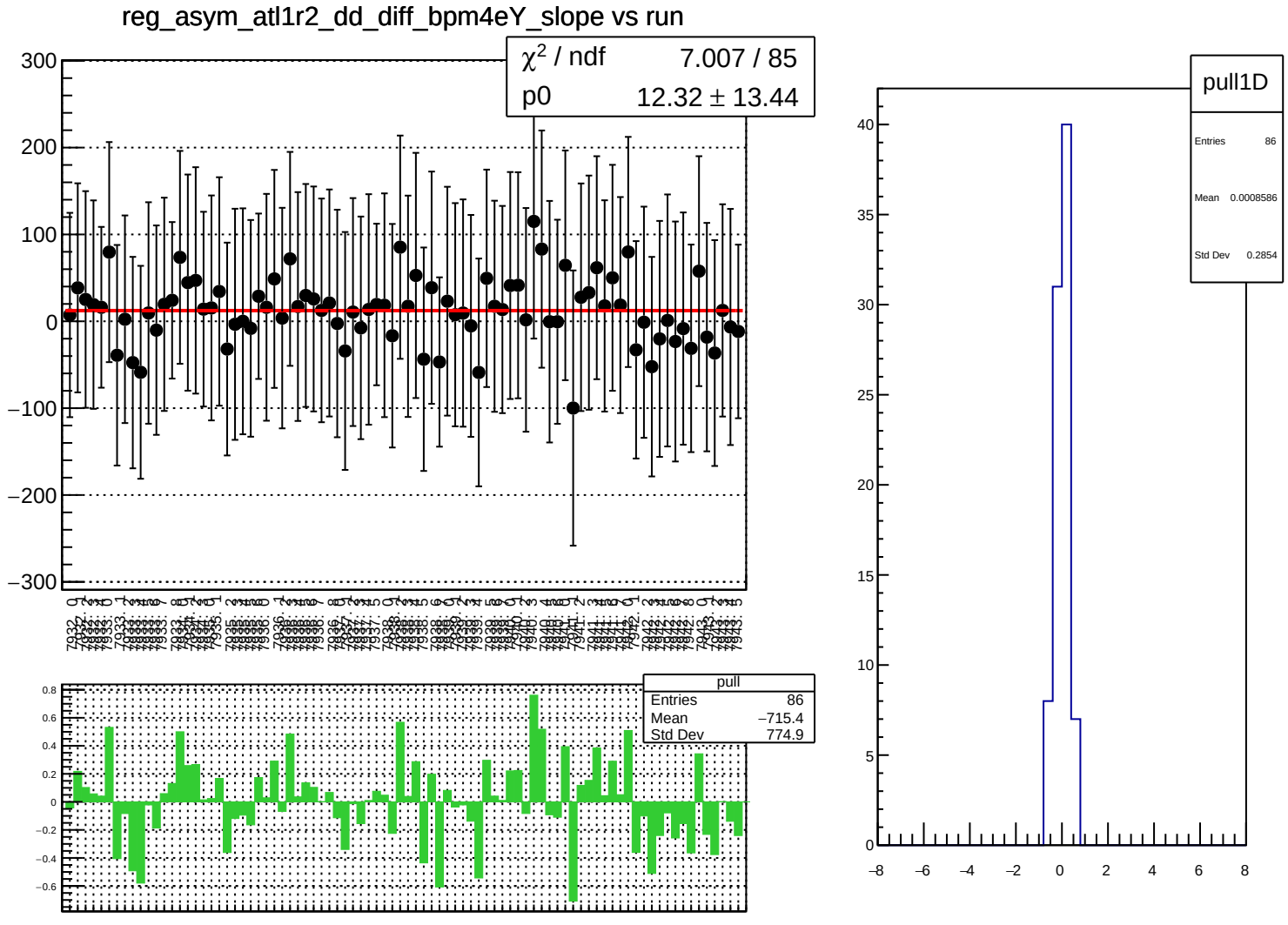

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.858 / 85
p0 −11.46 ± 14.51
pull
Entries 86
Mean 20.61
Std Dev 44.12
pull1D
Entries 86
Mean −0.005214
Std Dev 0.2609

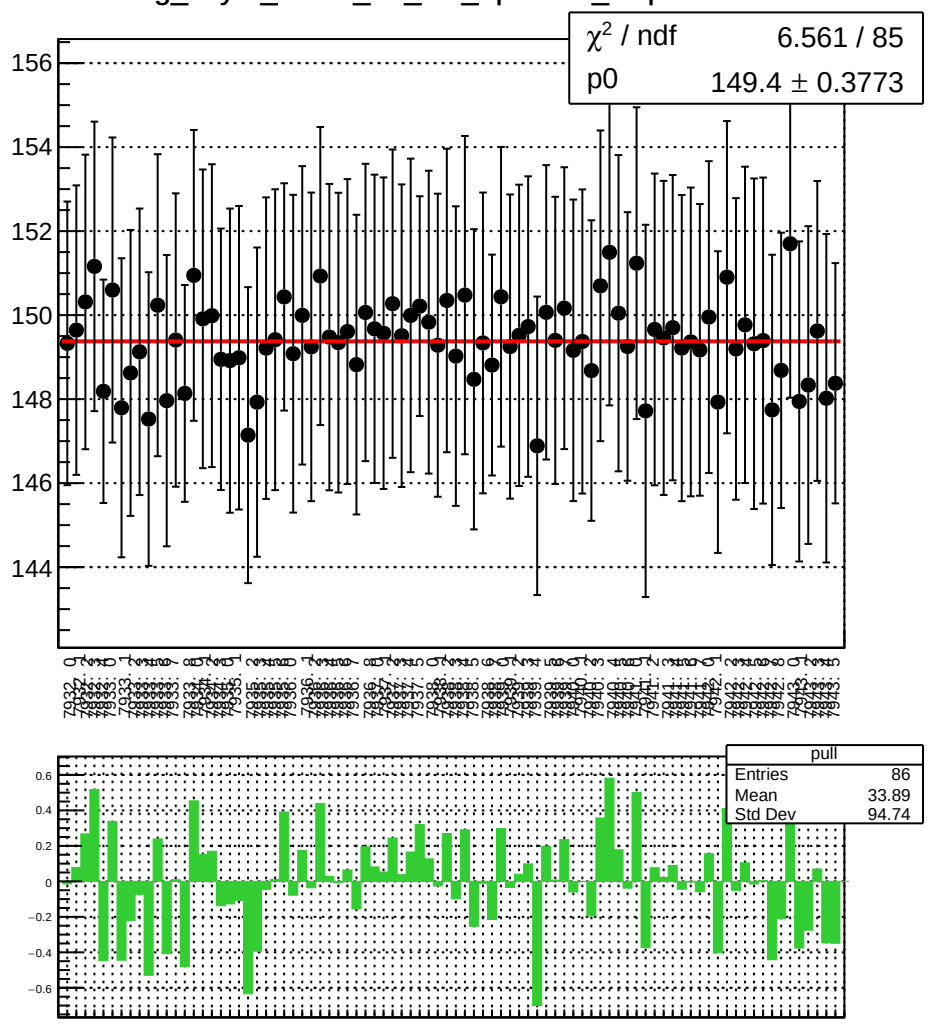

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 8.926 / 85
p0 −145.9 ± 0.4073
pull
Entries 86
Mean 77.92
Std Dev 69.48
pull1D
Entries 86
Mean −0.006523
Std Dev 0.3221

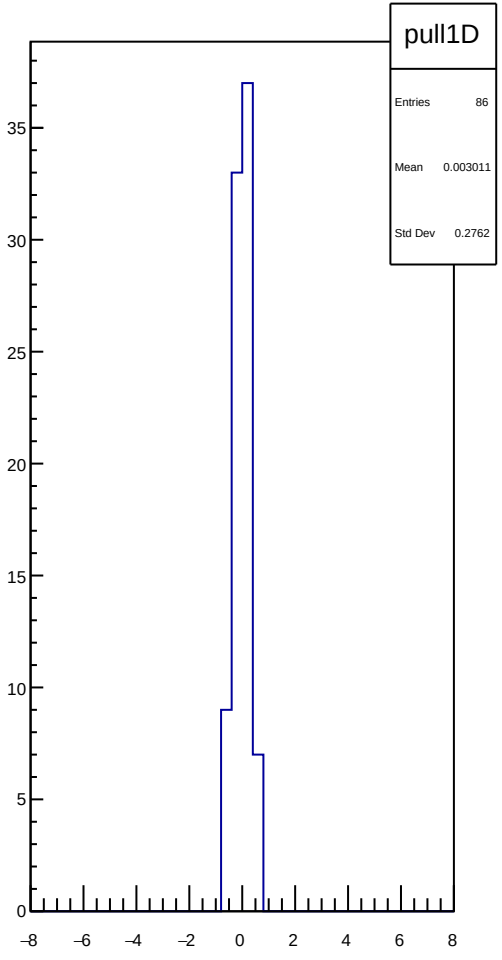

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 11.12 / 85
p0 145 ± 11.2
pull
Entries 86
Mean −130.8
Std Dev 178.3
pull1D
Entries 86
Mean −0.009422
Std Dev 0.3595

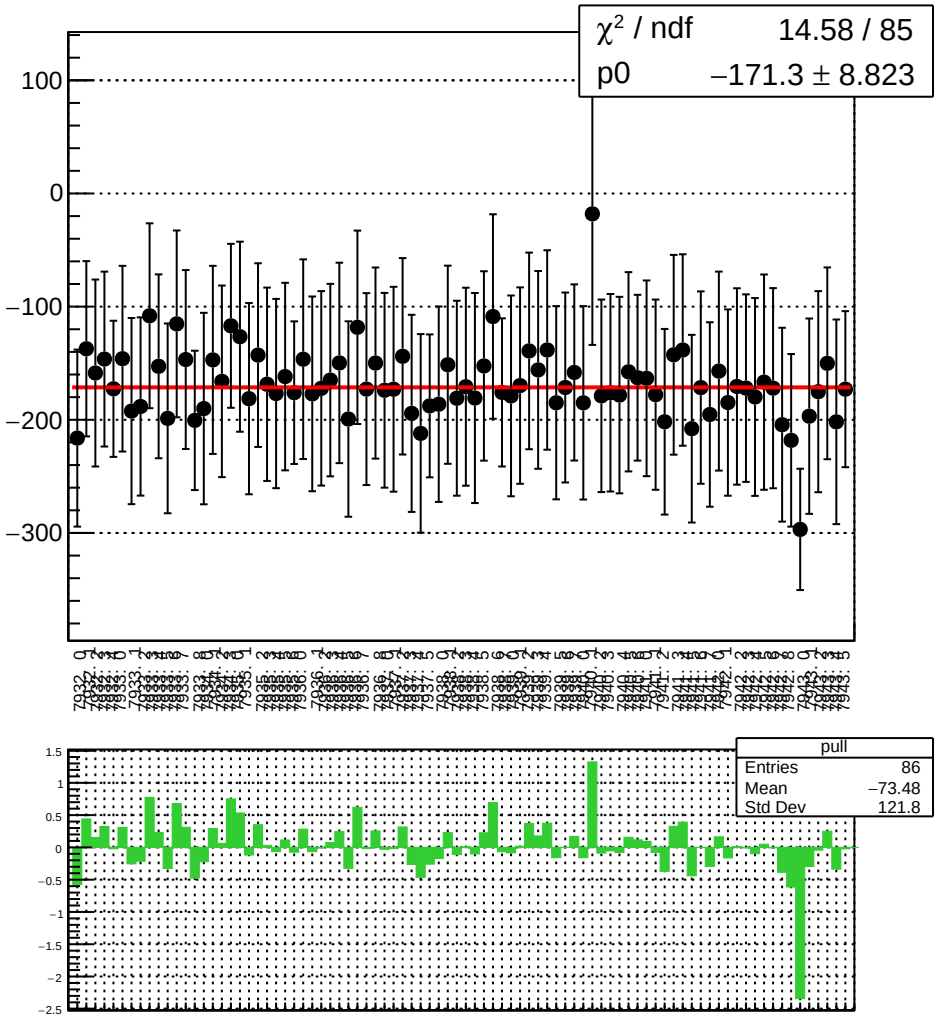

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.906 / 85
p0 −57.18 ± 11.66
pull
Entries 86
Mean −1739
Std Dev 1793
pull1D
Entries 86
Mean −0.0004247
Std Dev 0.2834

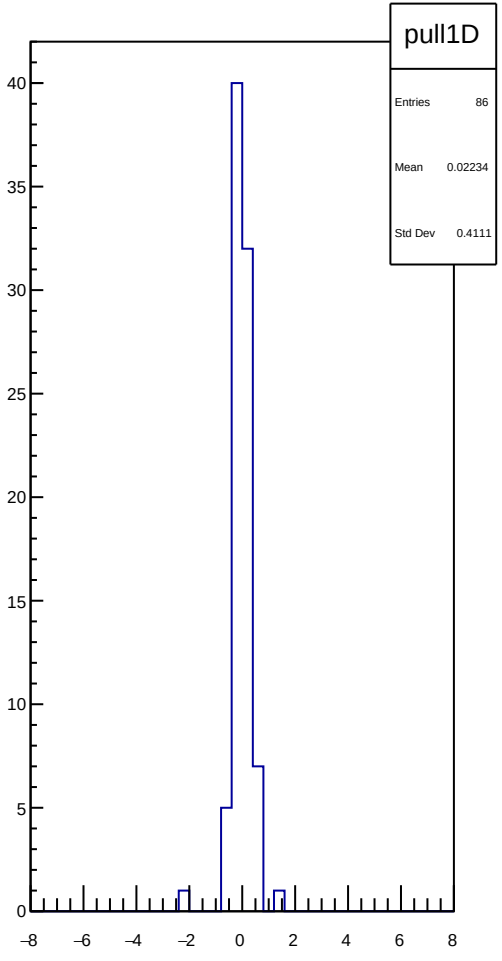

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.22 / 85
p0 −167.8 ± 10.07
pull
Entries 86
Mean −116.5
Std Dev 164.2
pull1D
Entries 86
Mean 0.01033
Std Dev 0.3611

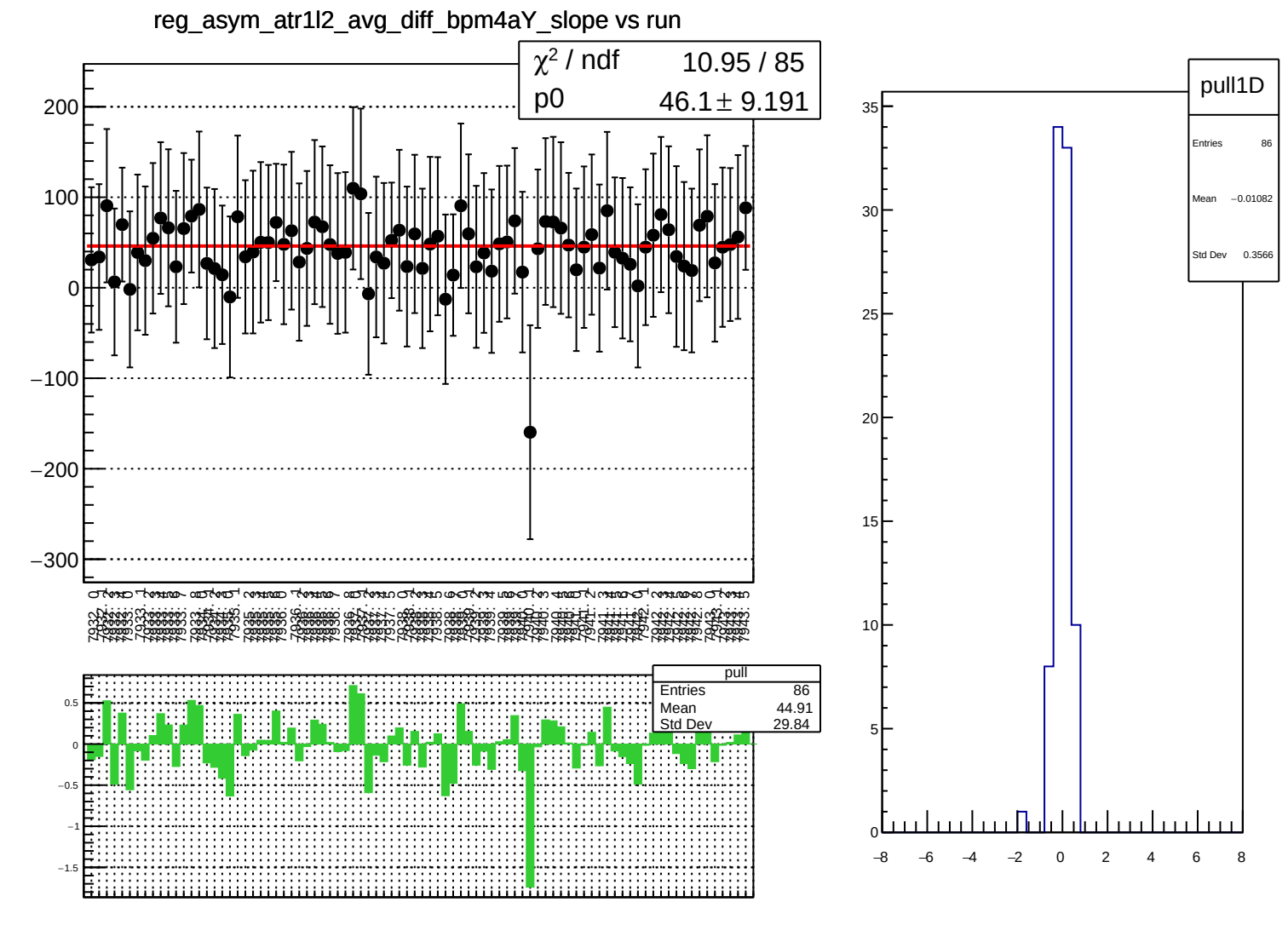

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.007 / 85
p0 12.32 ± 13.44
pull
Entries 86
Mean −715.4
Std Dev 774.9
pull1D
Entries 86
Mean 0.0008586
Std Dev 0.2854

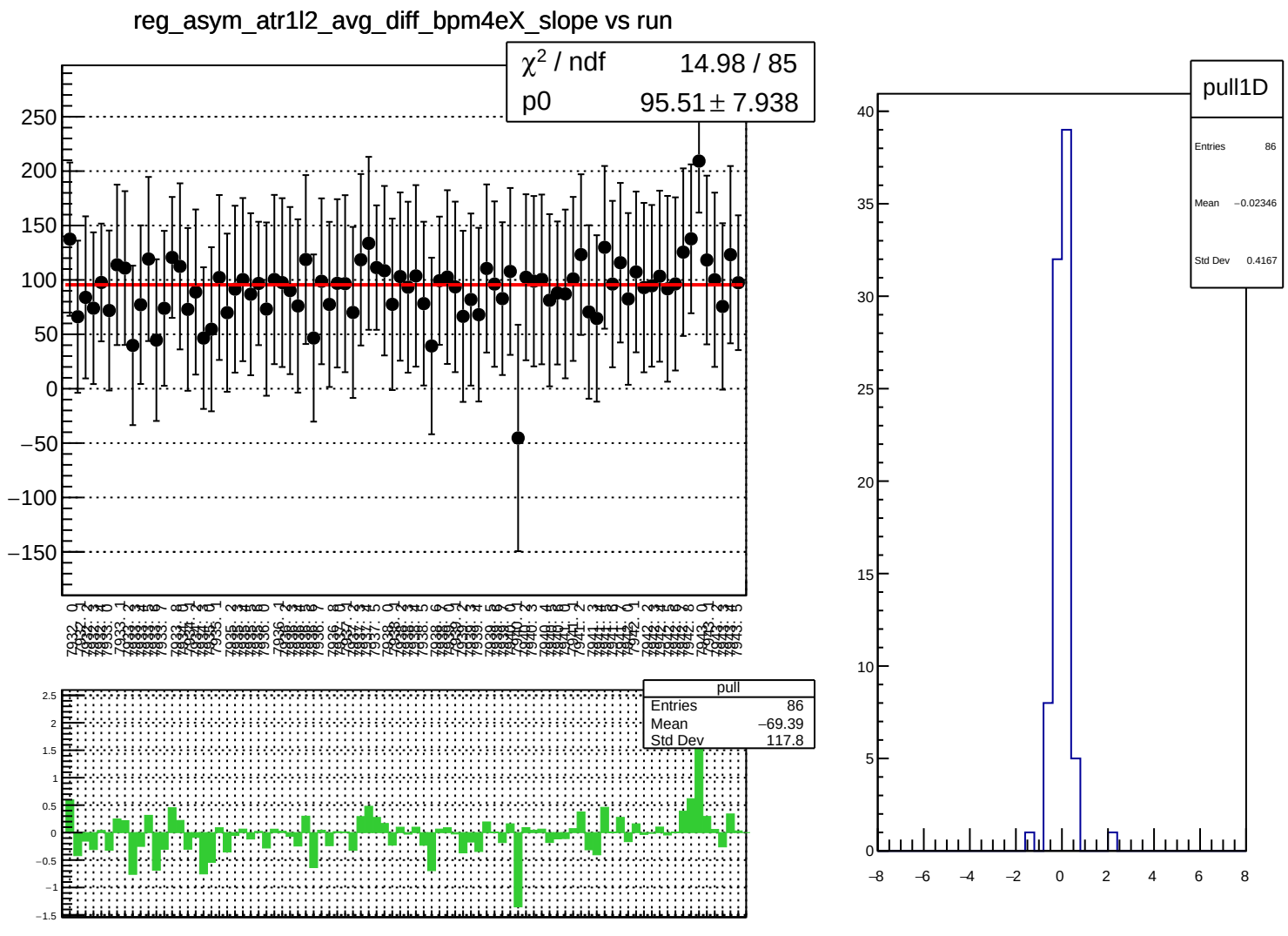

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 6.561 / 85
p0 149.4 ± 0.3773
pull
Entries 86
Mean 33.89
Std Dev 94.74

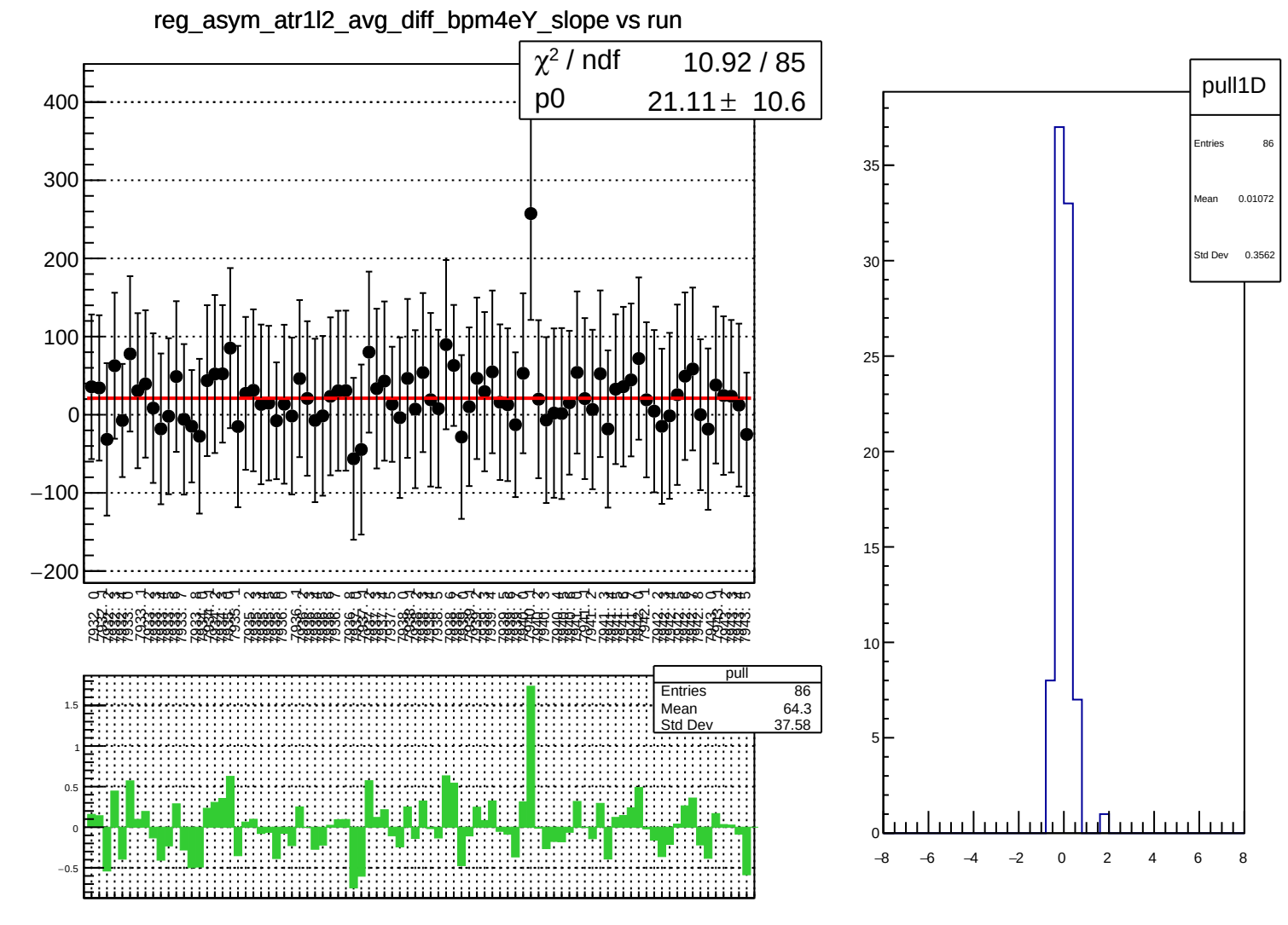

pull1D
Entries 86
Mean 0.003011
Std Dev 0.2762

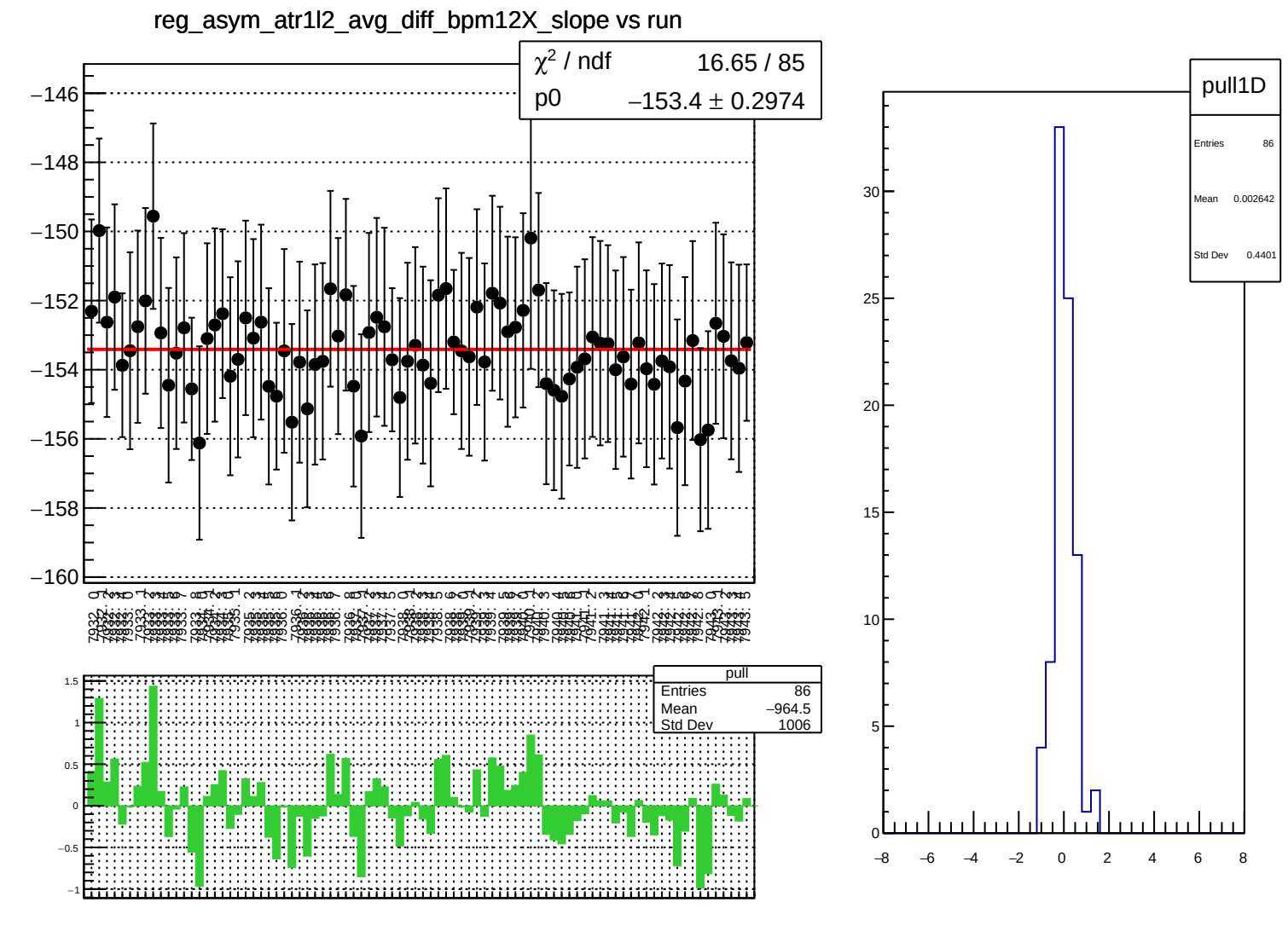

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 14.58 / 85
p0 −171.3 ± 8.823
pull
Entries 86
Mean −73.48
Std Dev 121.8

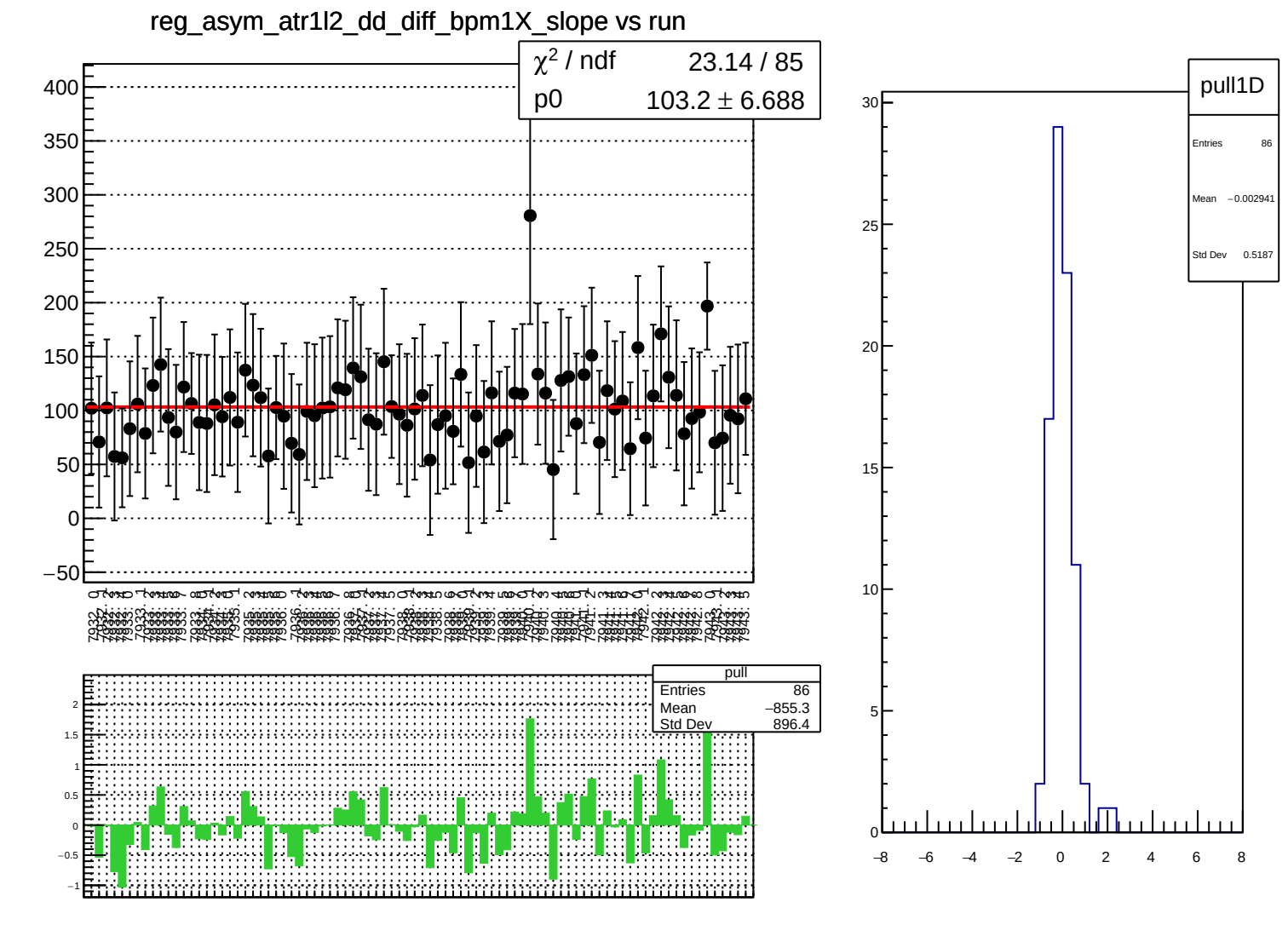

pull1D
Entries 86
Mean 0.02234
Std Dev 0.4111

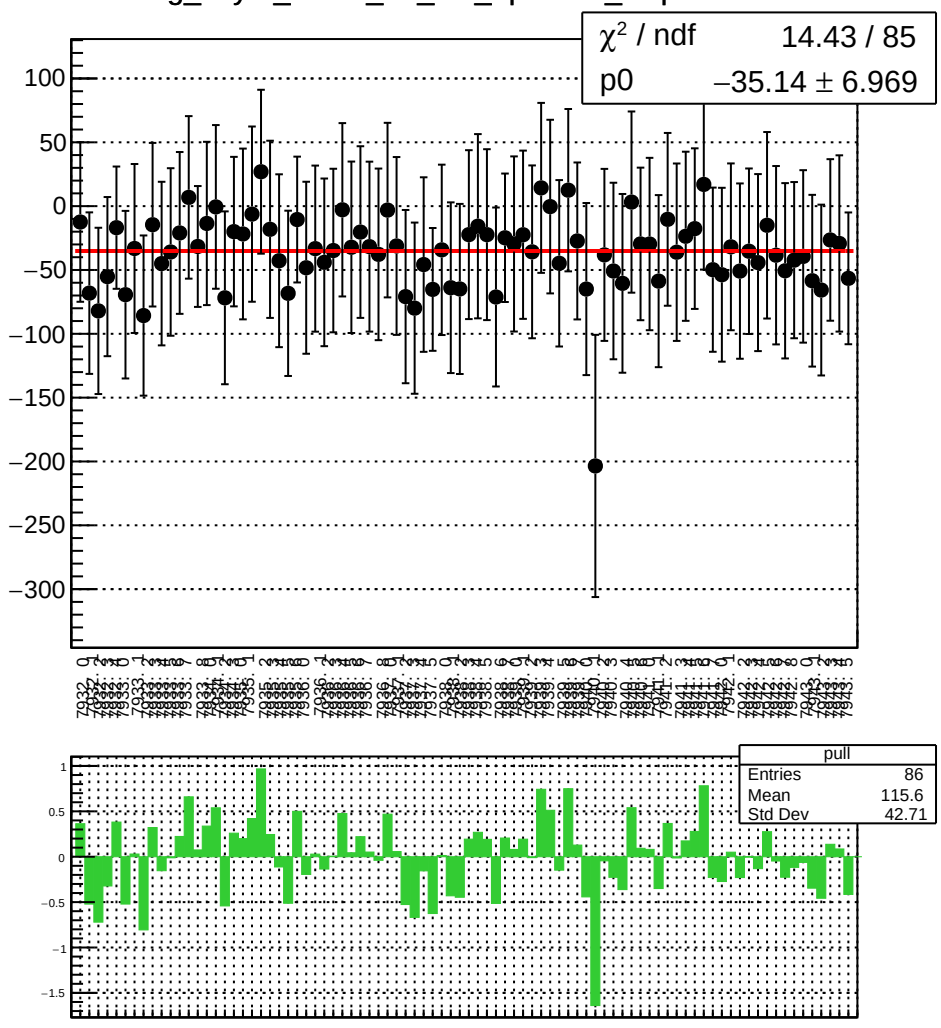

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.95 / 85
p0 46.1 ± 9.191
pull
Entries 86
Mean 44.91
Std Dev 29.84
pull1D
Entries 86
Mean −0.01082
Std Dev 0.3566

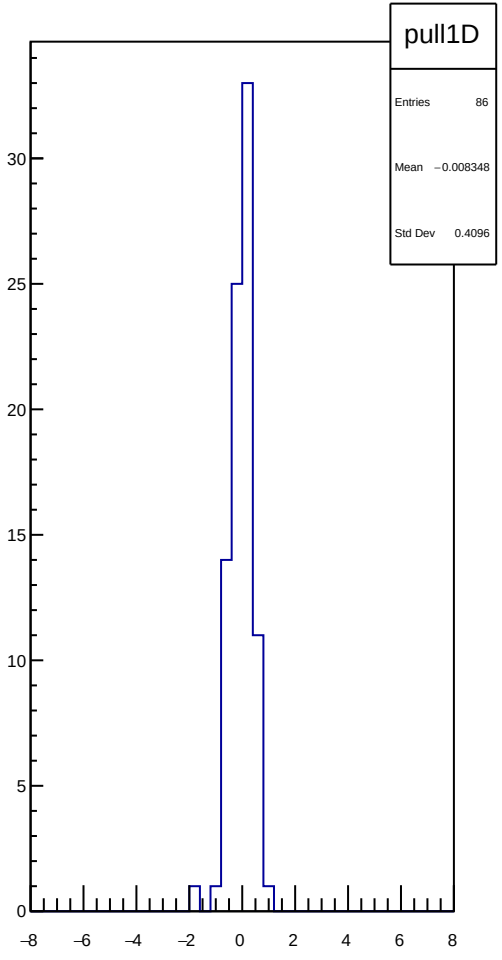

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.98 / 85
p0 95.51 ± 7.938
pull
Entries 86
Mean −69.39
Std Dev 117.8
pull1D
Entries 86
Mean −0.02346
Std Dev 0.4167

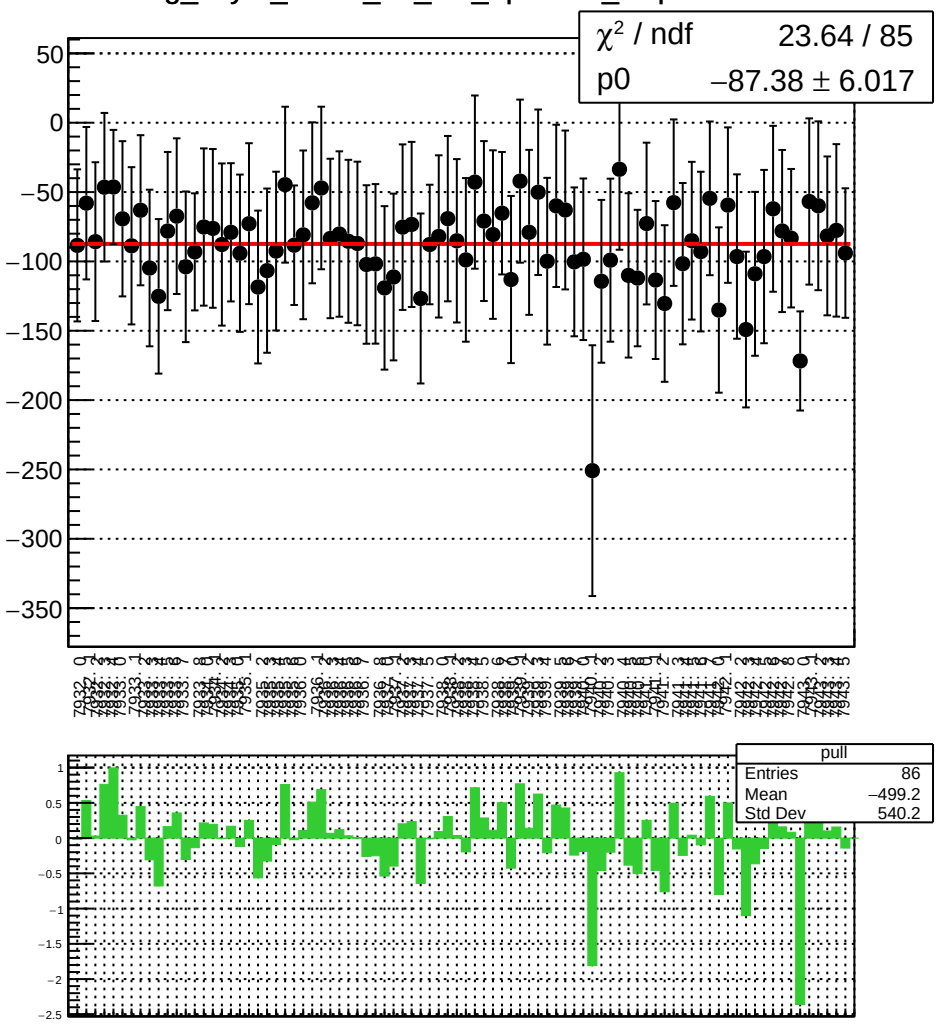

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.92 / 85
p0 21.11 ± 10.6
pull
Entries 86
Mean 64.3
Std Dev 37.58
pull1D
Entries 86
Mean 0.01072
Std Dev 0.3562

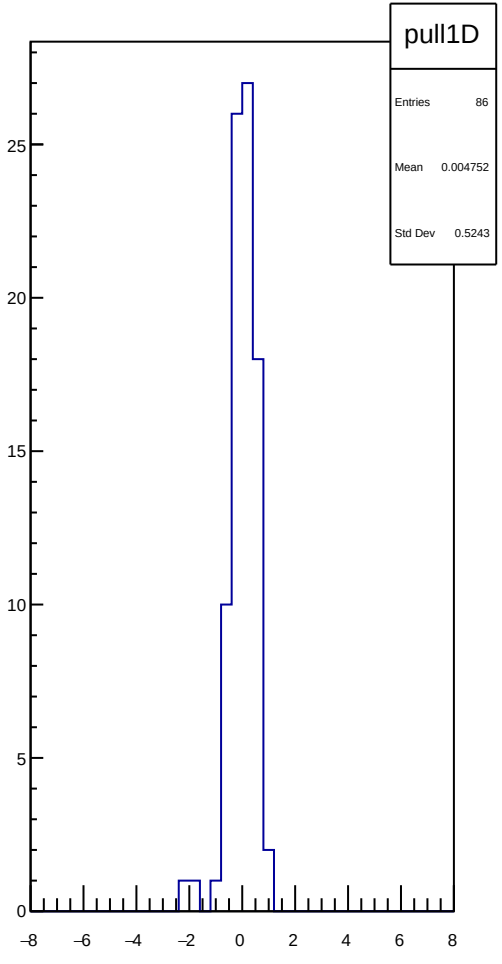

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 16.65 / 85
p0 −153.4 ± 0.2974
pull
Entries 86
Mean −964.5
Std Dev 1006
pull1D
Entries 86
Mean 0.002642
Std Dev 0.4401

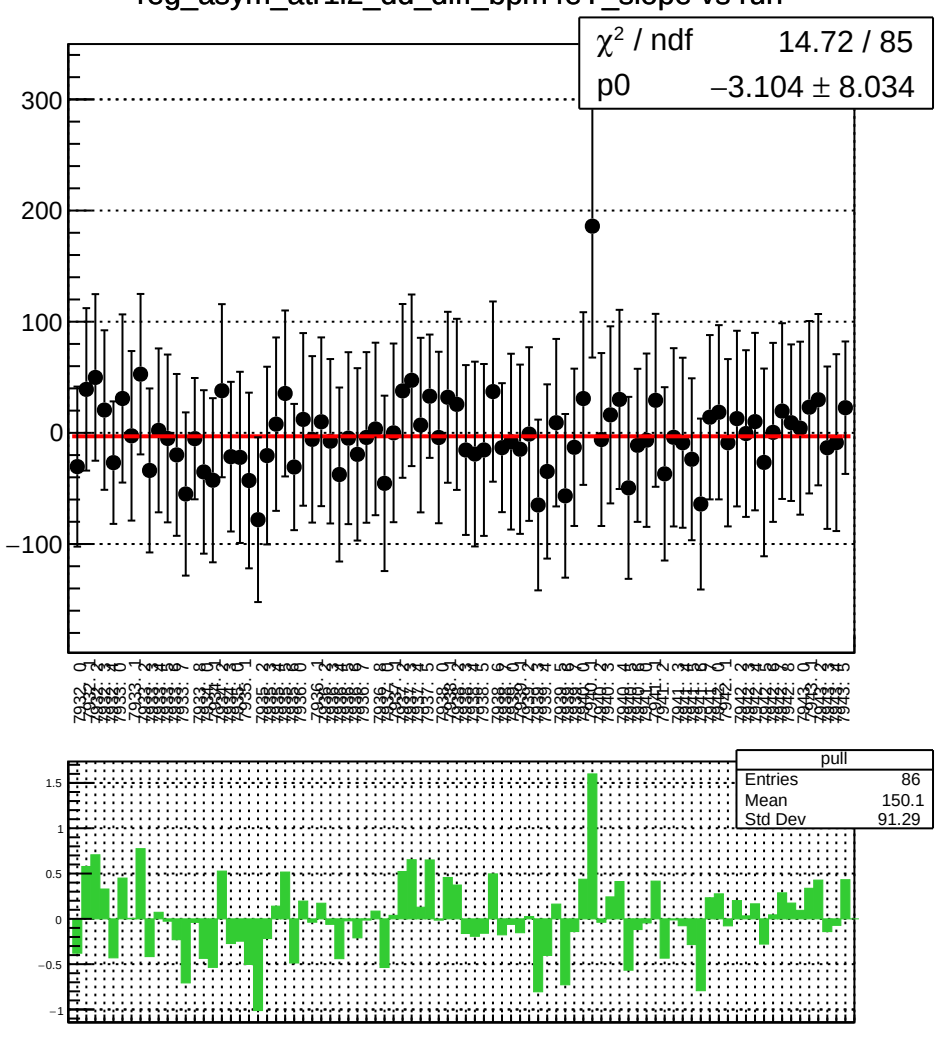

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 23.14 / 85
p0 103.2 ± 6.688
pull
Entries 86
Mean −855.3
Std Dev 896.4
pull1D
Entries 86
Mean −0.002941
Std Dev 0.5187

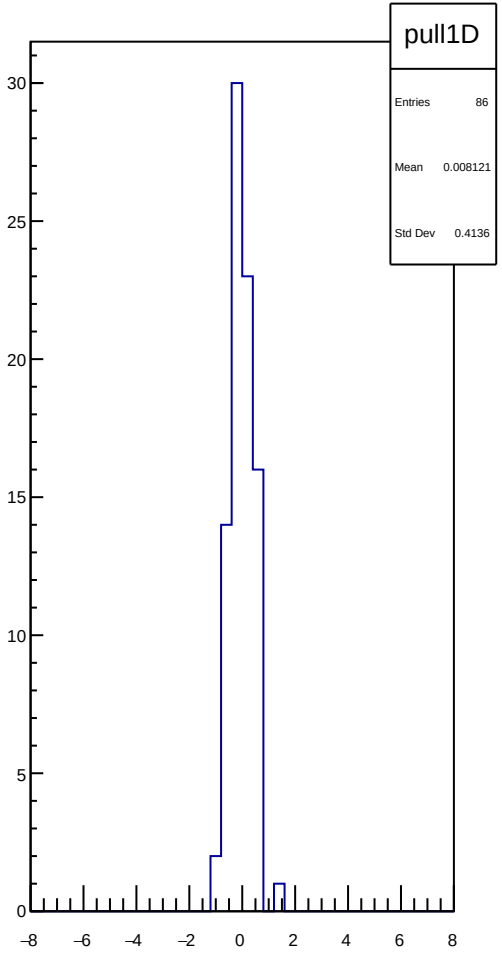

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.43 / 85
p0 −35.14 ± 6.969
pull
Entries 86
Mean 115.6
Std Dev 42.71

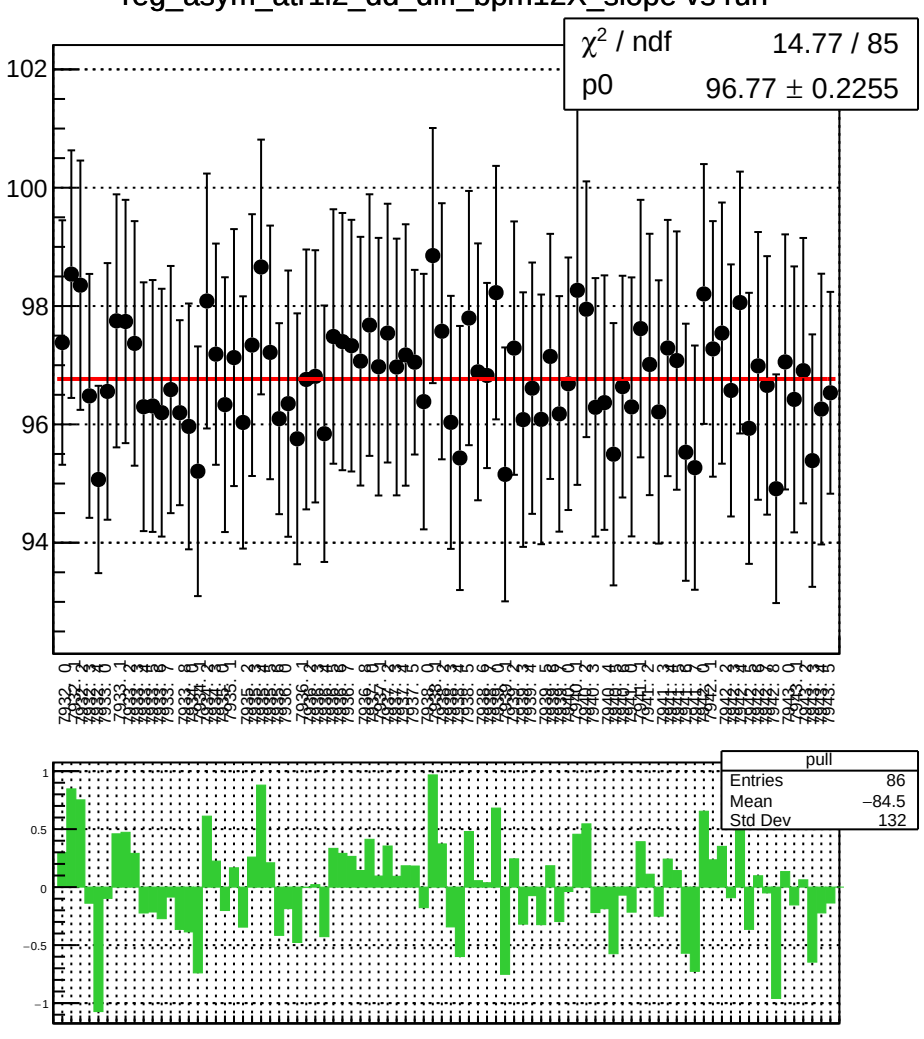

pull1D
Entries 86
Mean −0.008348
Std Dev 0.4096

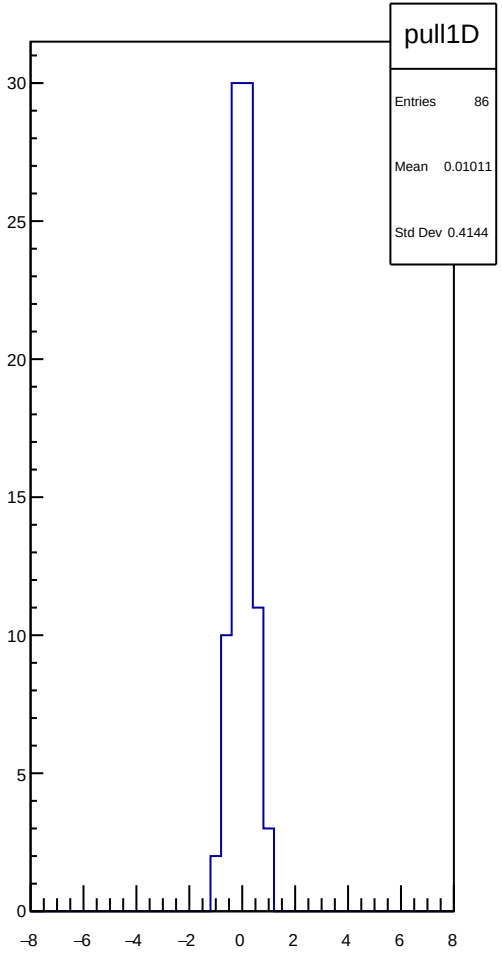

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.64 / 85
p0 −87.38 ± 6.017
pull
Entries 86
Mean −499.2
Std Dev 540.2

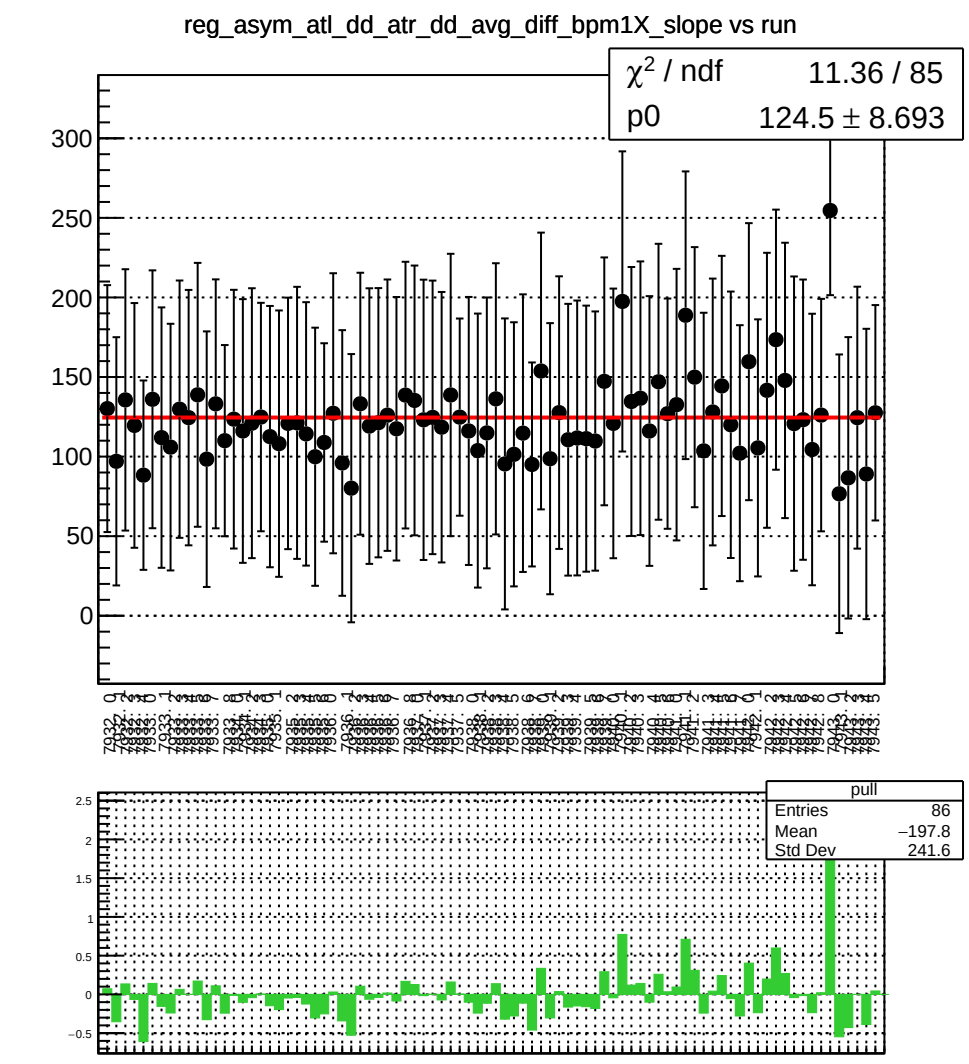

pull1D
Entries 86
Mean 0.004752
Std Dev 0.5243

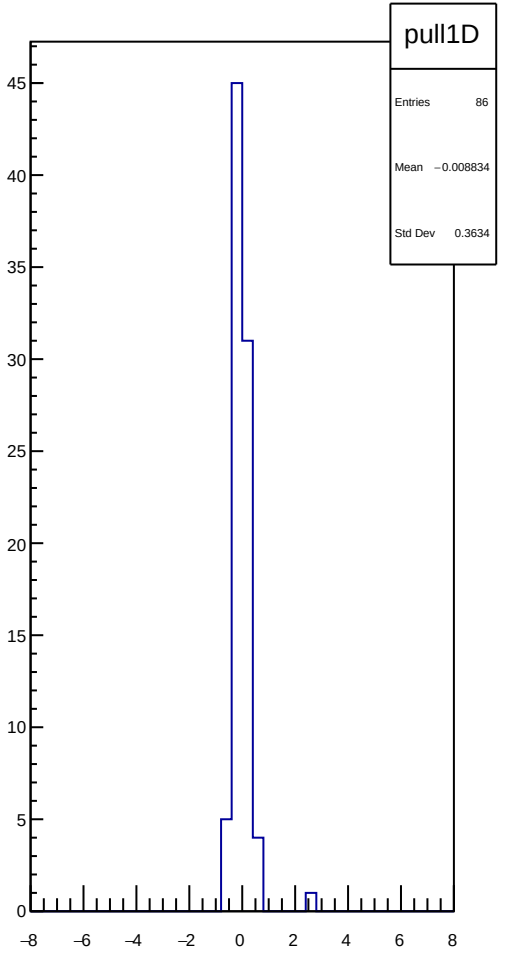

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.72 / 85
p0 −3.104 ± 8.034
300
200
100
0
−100
pull
Entries 86
Mean 150.1
Std Dev 91.29
1.5
1
0.5
0
−0.5
−1

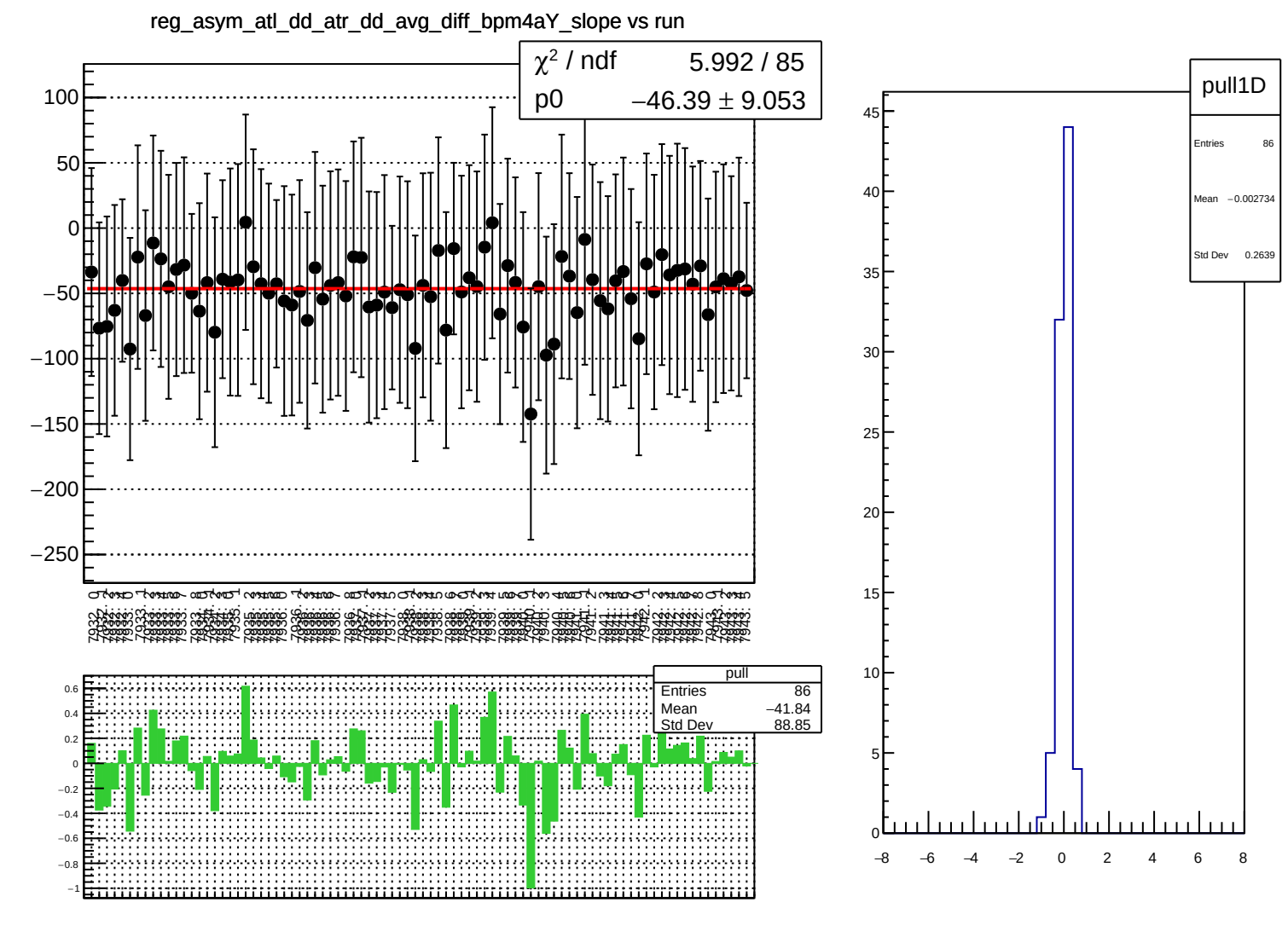

pull1D
Entries 86
Mean 0.008121
Std Dev 0.4136
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

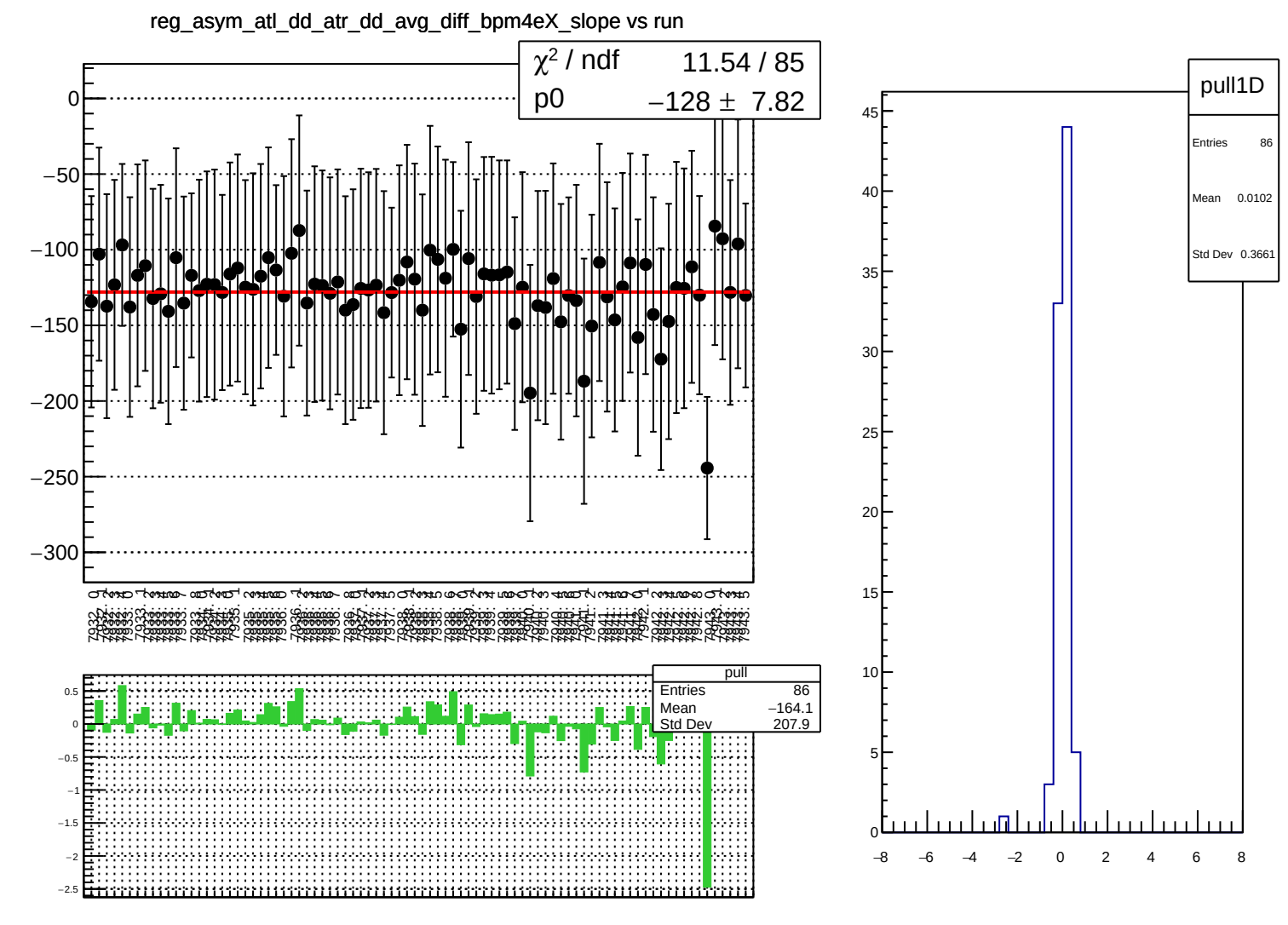

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 14.77 / 85
p0 96.77 ± 0.2255
102
100
98
96
94
pull
Entries 86
Mean −84.5
Std Dev 132
1
0.5
0
−0.5
−1

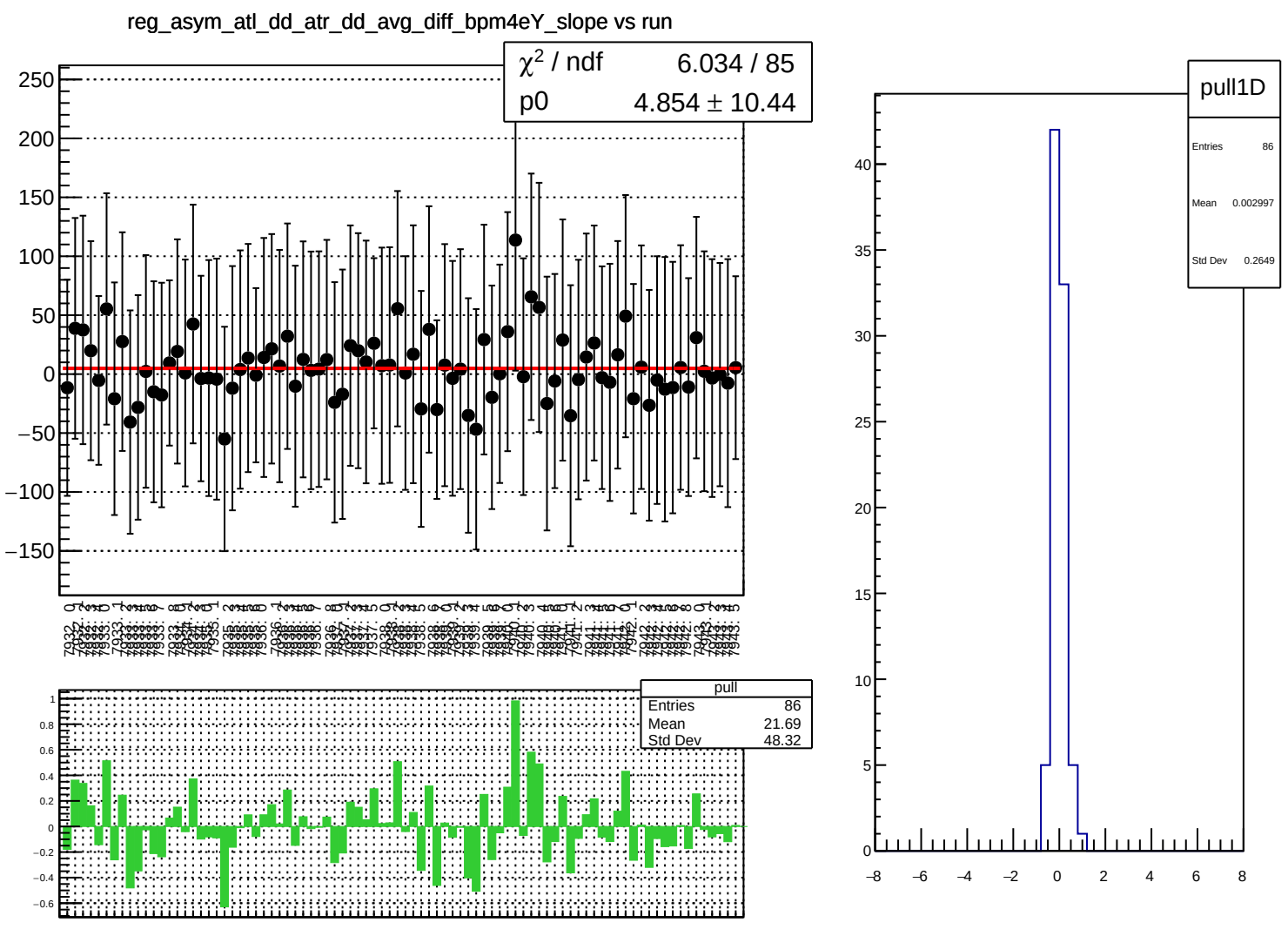

pull1D
Entries 86
Mean 0.01011
Std Dev 0.4144
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

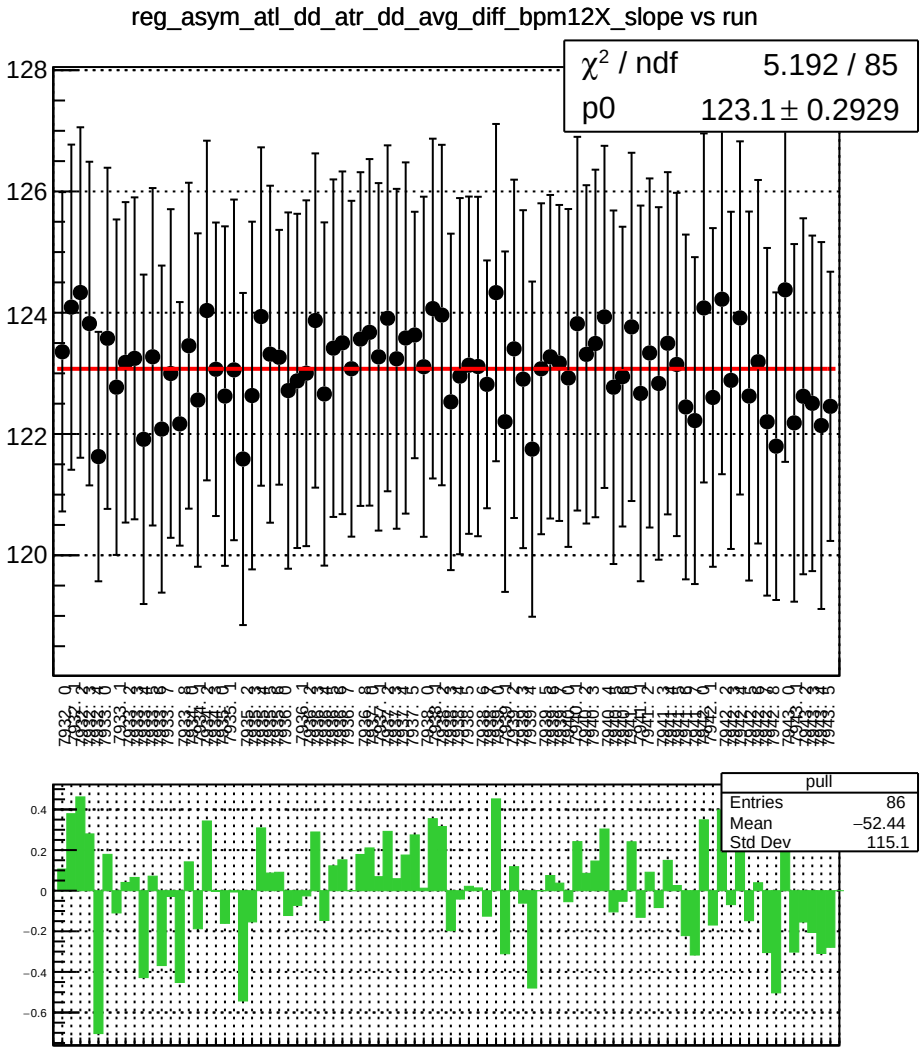

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 11.36 / 85
p0 124.5 ± 8.693
pull
Entries 86
Mean −197.8
Std Dev 241.6

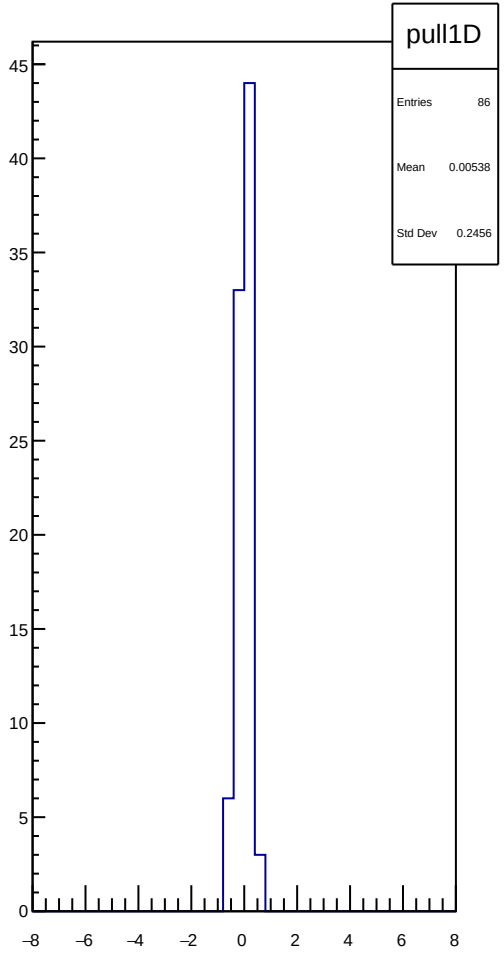

pull1D
Entries 86
Mean −0.008834
Std Dev 0.3634

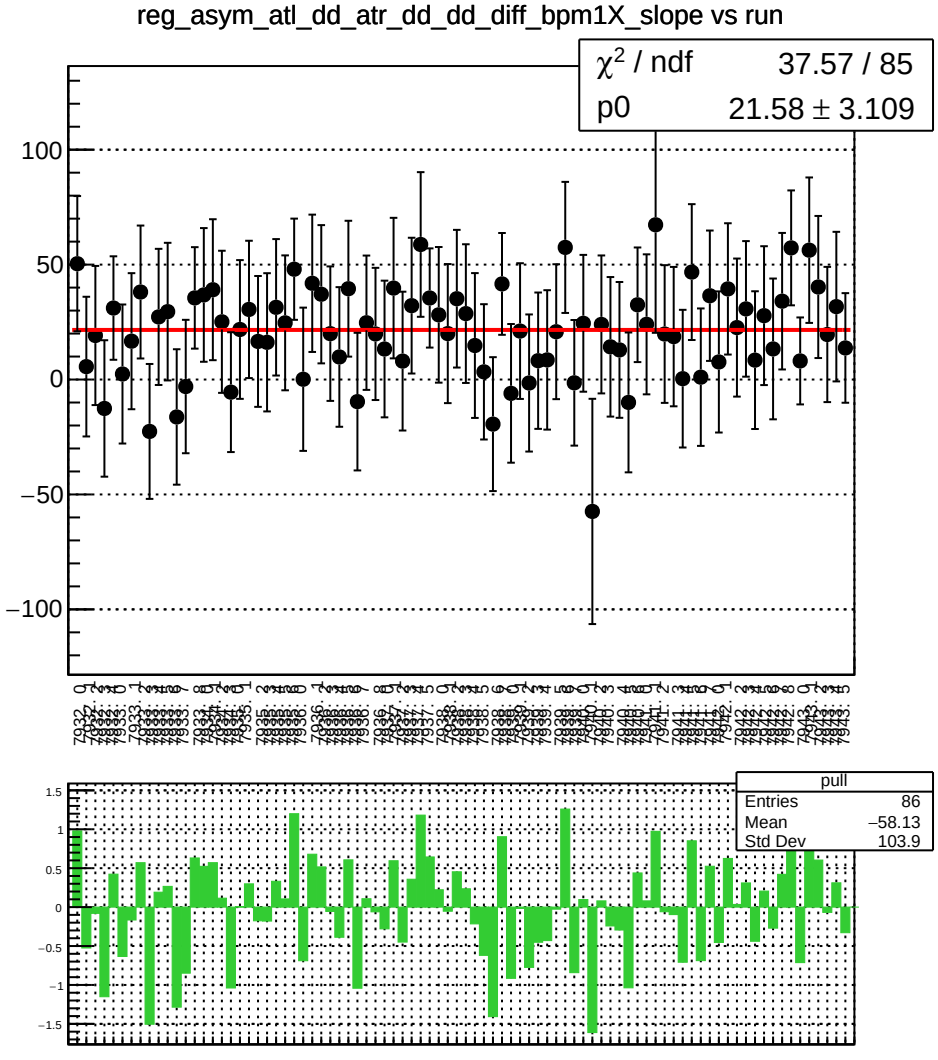

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.992 / 85
p0 −46.39 ± 9.053
pull
Entries 86
Mean −41.84
Std Dev 88.85
pull1D
Entries 86
Mean −0.002734
Std Dev 0.2639

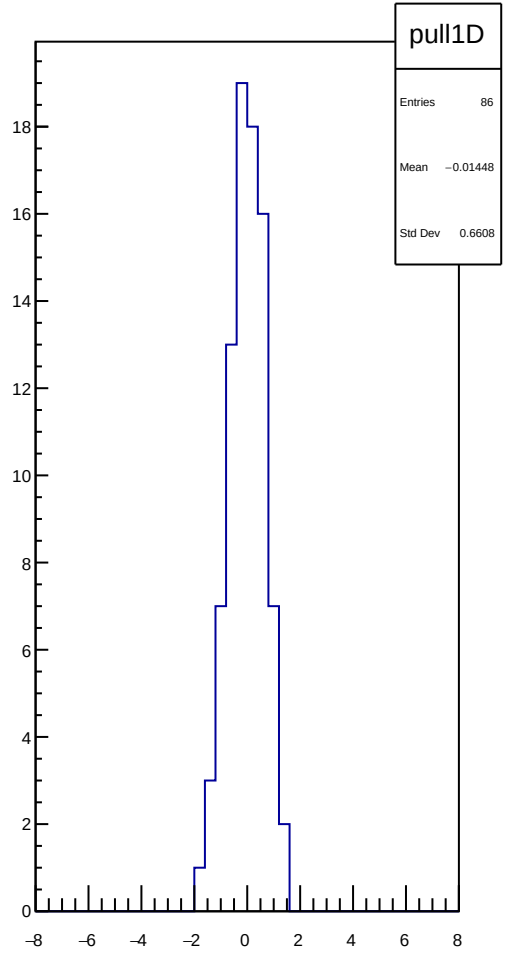

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.54 / 85
p0 −128 ± 7.82
pull
Entries 86
Mean −164.1
Std Dev 207.9
pull1D
Entries 86
Mean 0.0102
Std Dev 0.3661

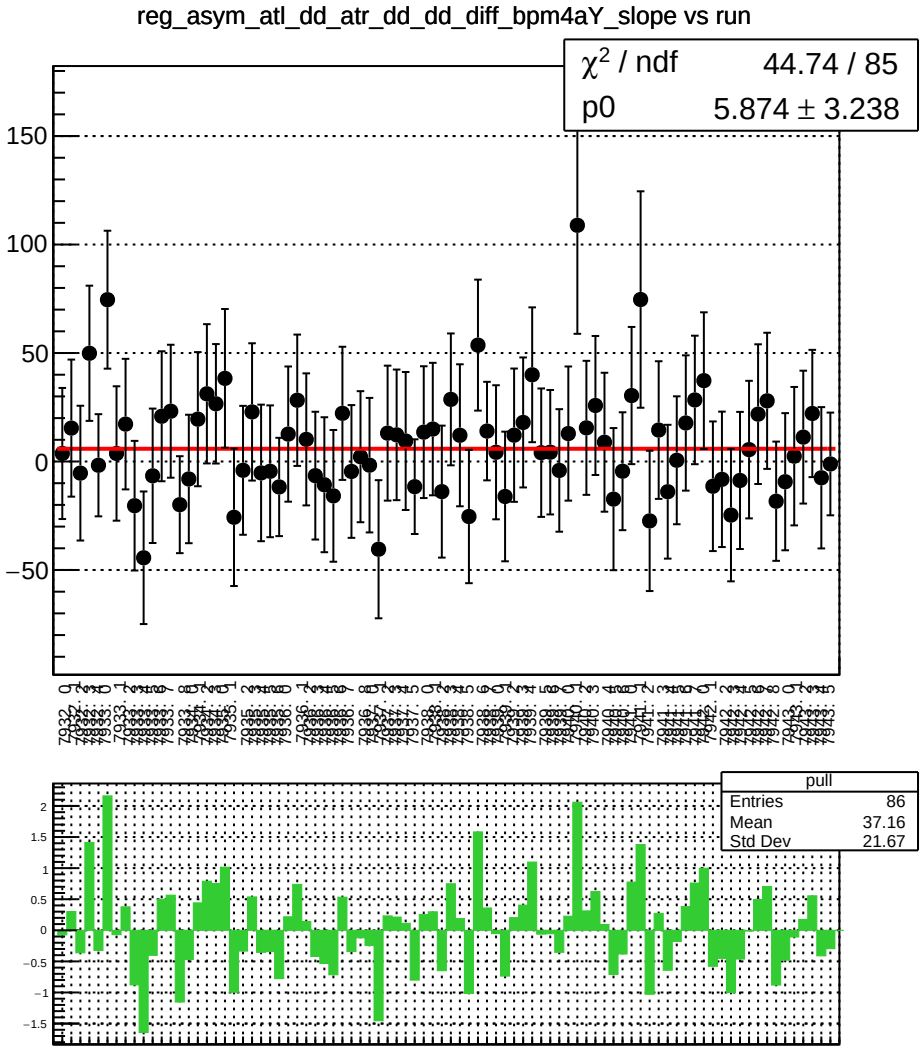

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.034 / 85
p0 4.854 ± 10.44
pull
Entries 86
Mean 21.69
Std Dev 48.32
pull1D
Entries 86
Mean 0.002997
Std Dev 0.2649

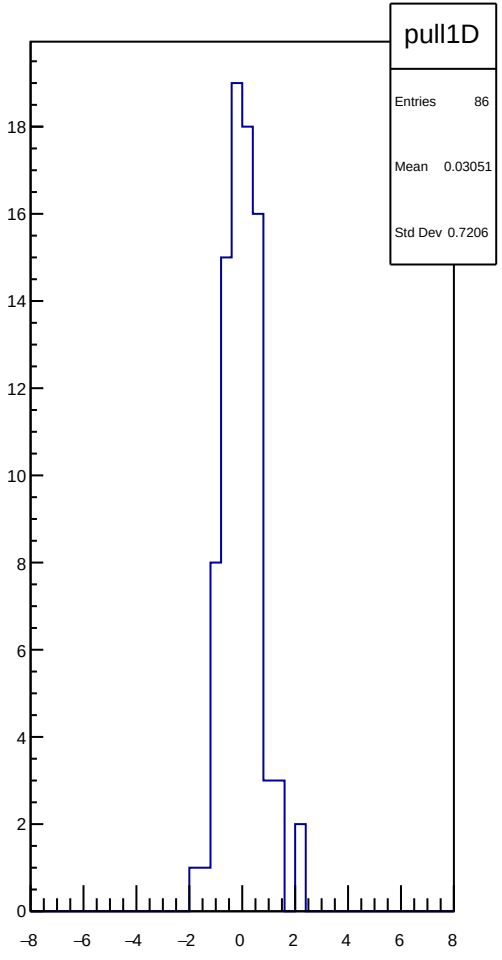

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 5.192 / 85
p0 123.1 ± 0.2929
128
126
124
122
120
pull
Entries 86
Mean −52.44
Std Dev 115.1
0.4
0.2
0
−0.2
−0.4
−0.6

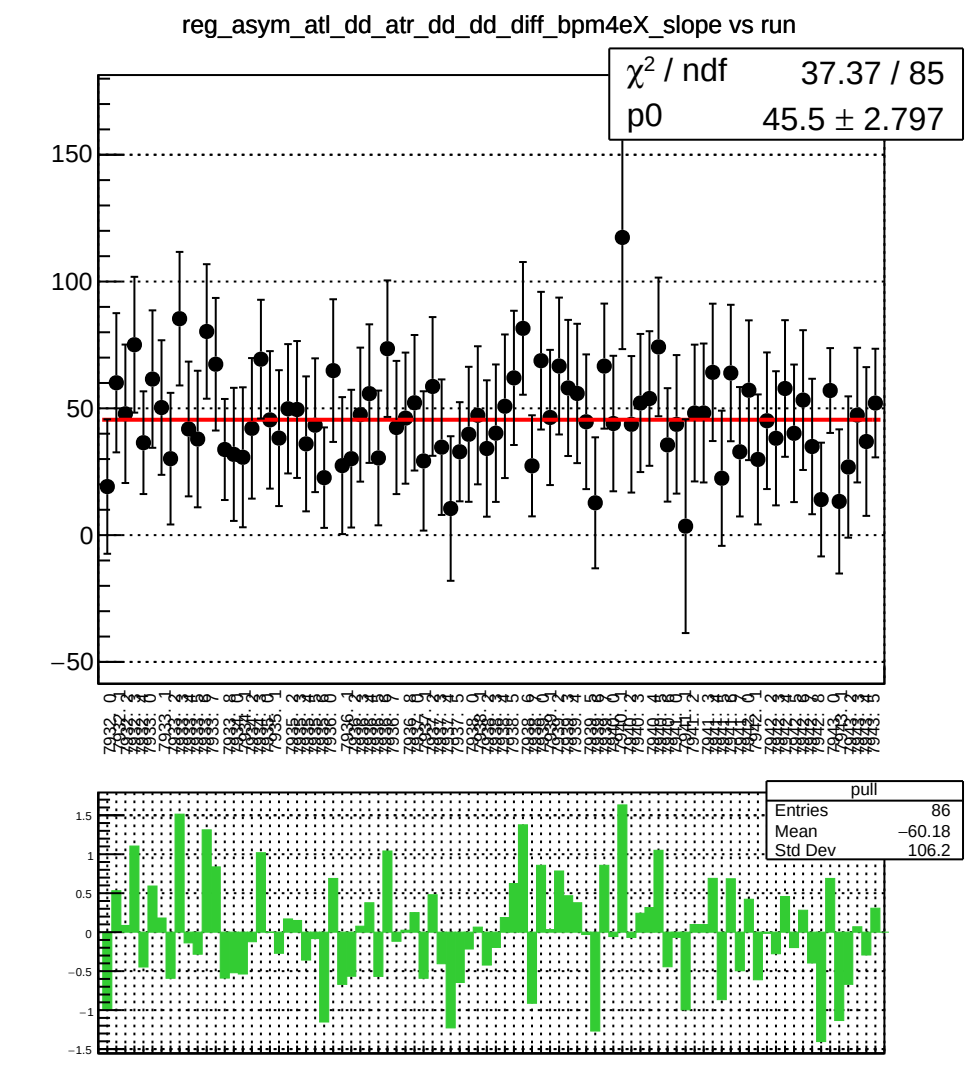

pull1D
Entries 86
Mean 0.00538
Std Dev 0.2456
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

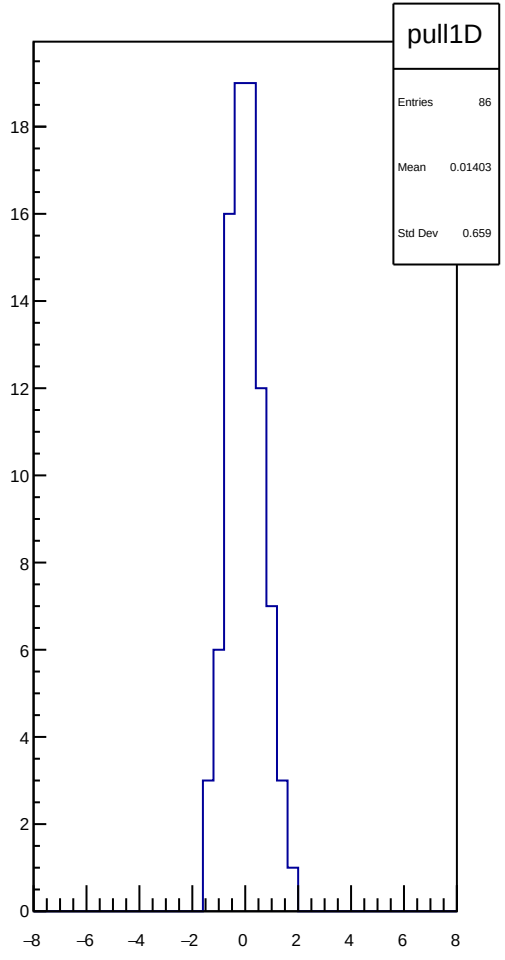

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 37.57 / 85
p0 21.58 ± 3.109
pull
Entries 86
Mean −58.13
Std Dev 103.9

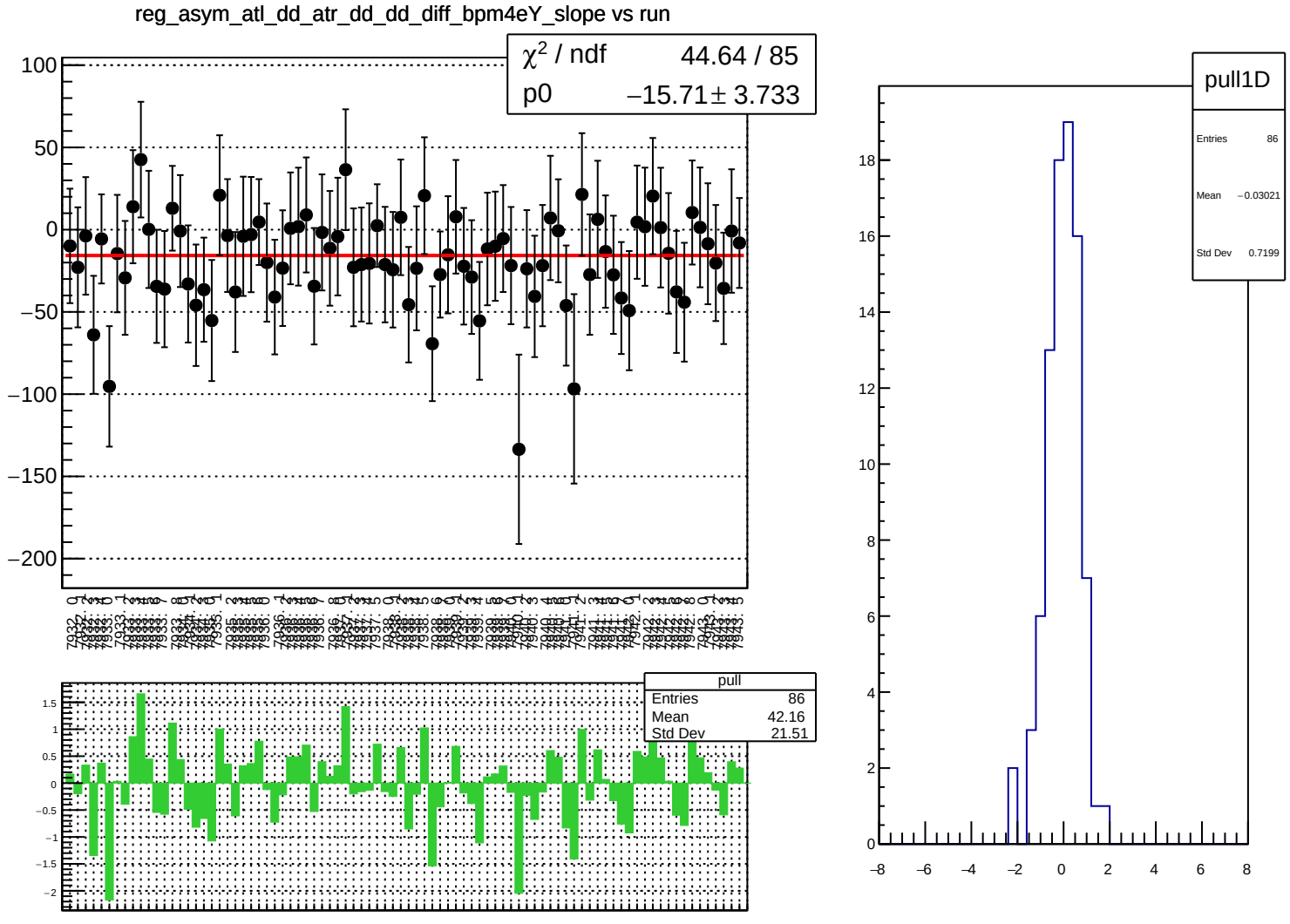

pull1D
Entries 86
Mean −0.01448
Std Dev 0.6608

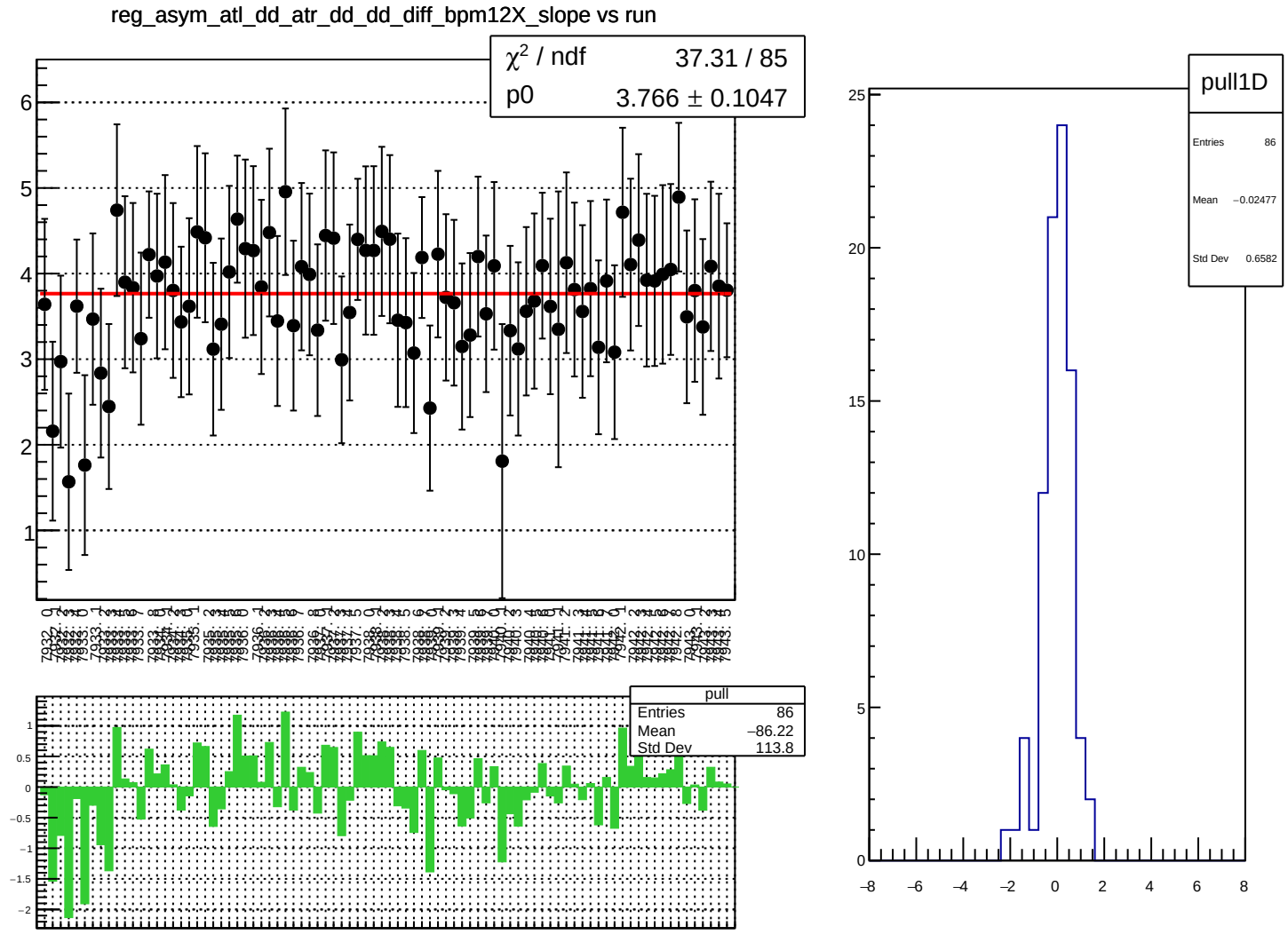

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.74 / 85
p0 5.874 ± 3.238
150
100
50
0
−50
pull
Entries 86
Mean 37.16
Std Dev 21.67
2
1.5
1
0.5
0
−0.5
−1
−1.5

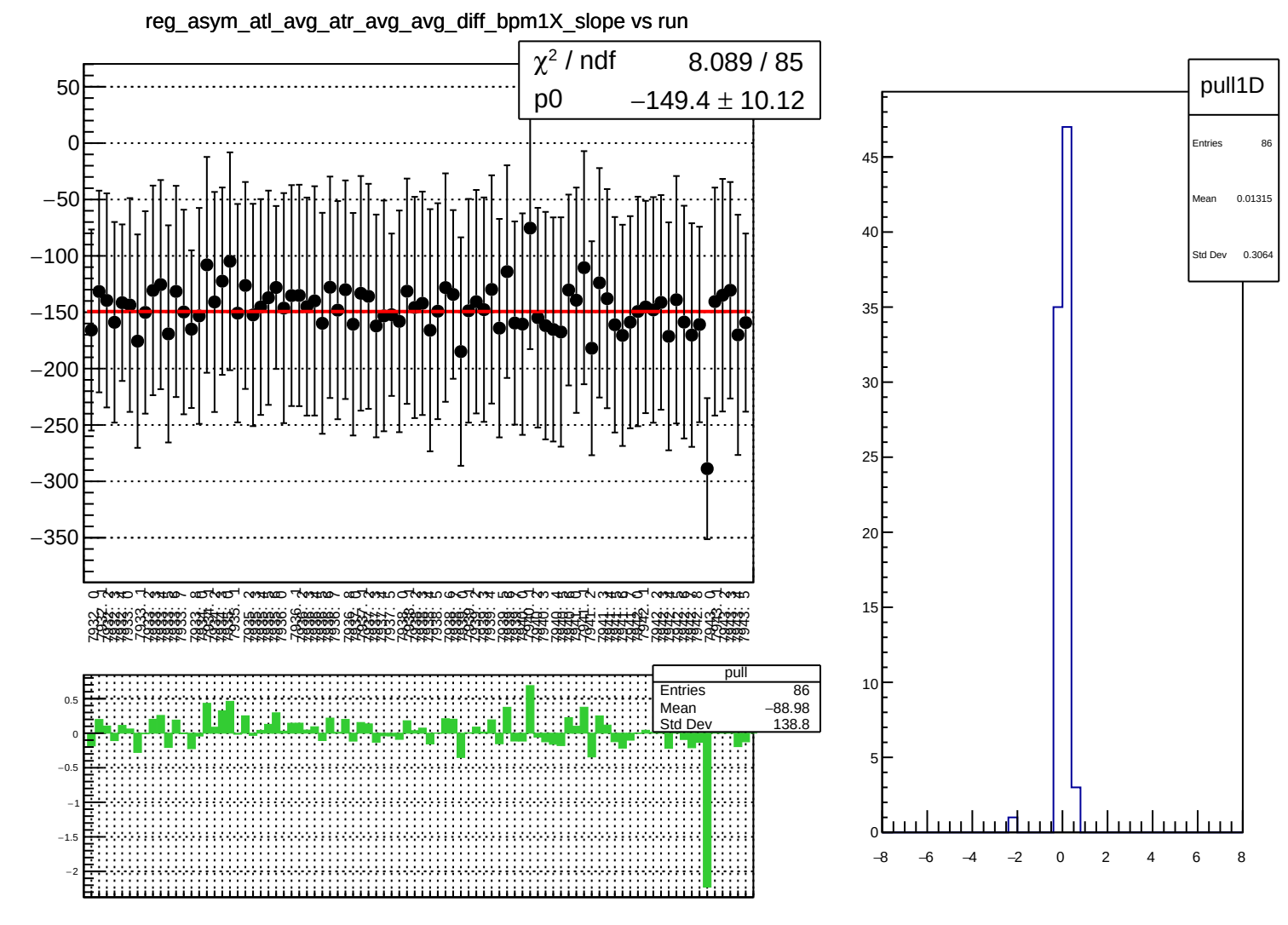

pull1D
Entries 86
Mean 0.03051
Std Dev 0.7206
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

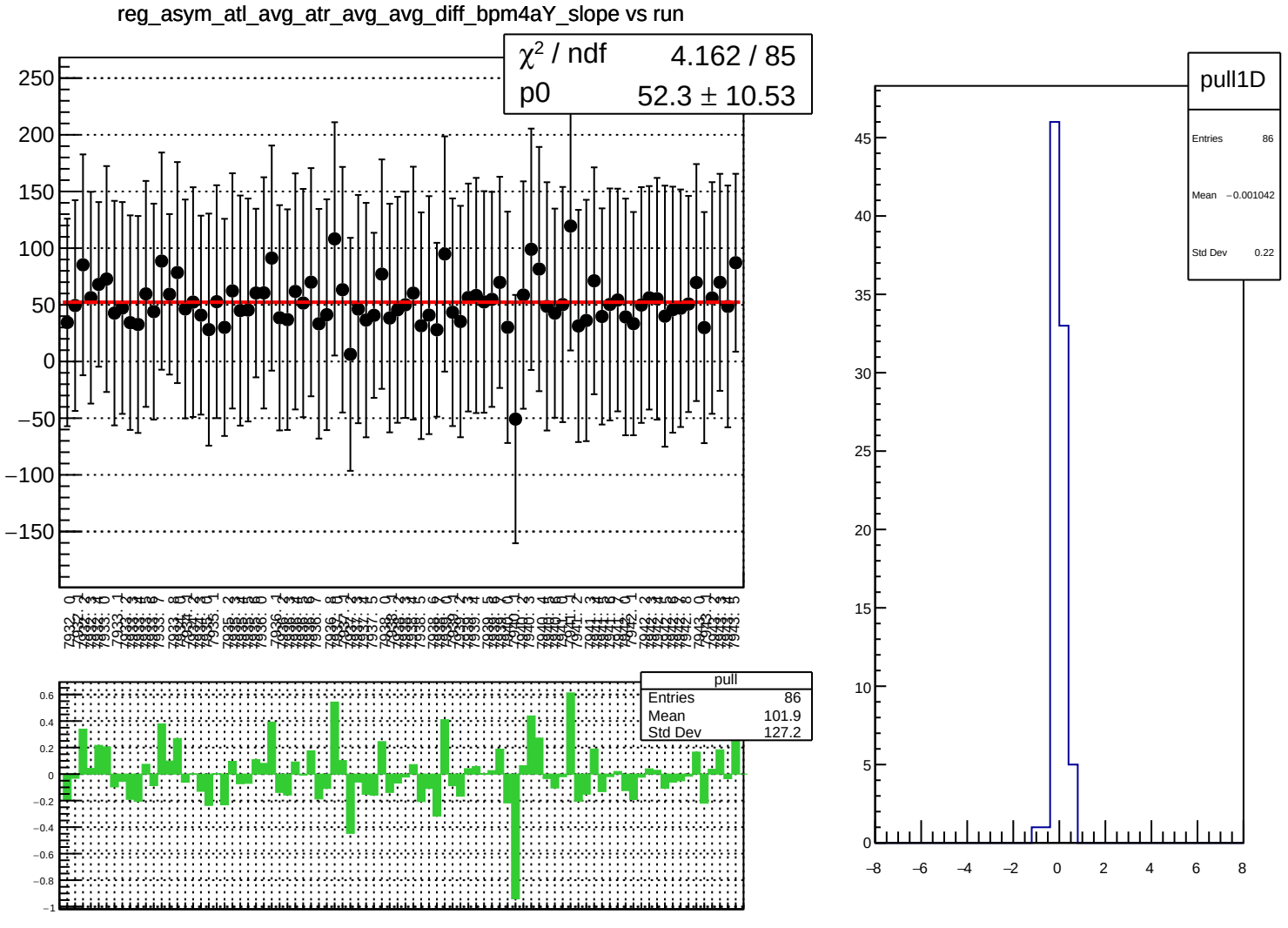

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.37 / 85
p0 45.5 ± 2.797
150
100
50
0
−50
pull
Entries 86
Mean −60.18
Std Dev 106.2
1.5
1
0.5
0
−0.5
−1
−1.5

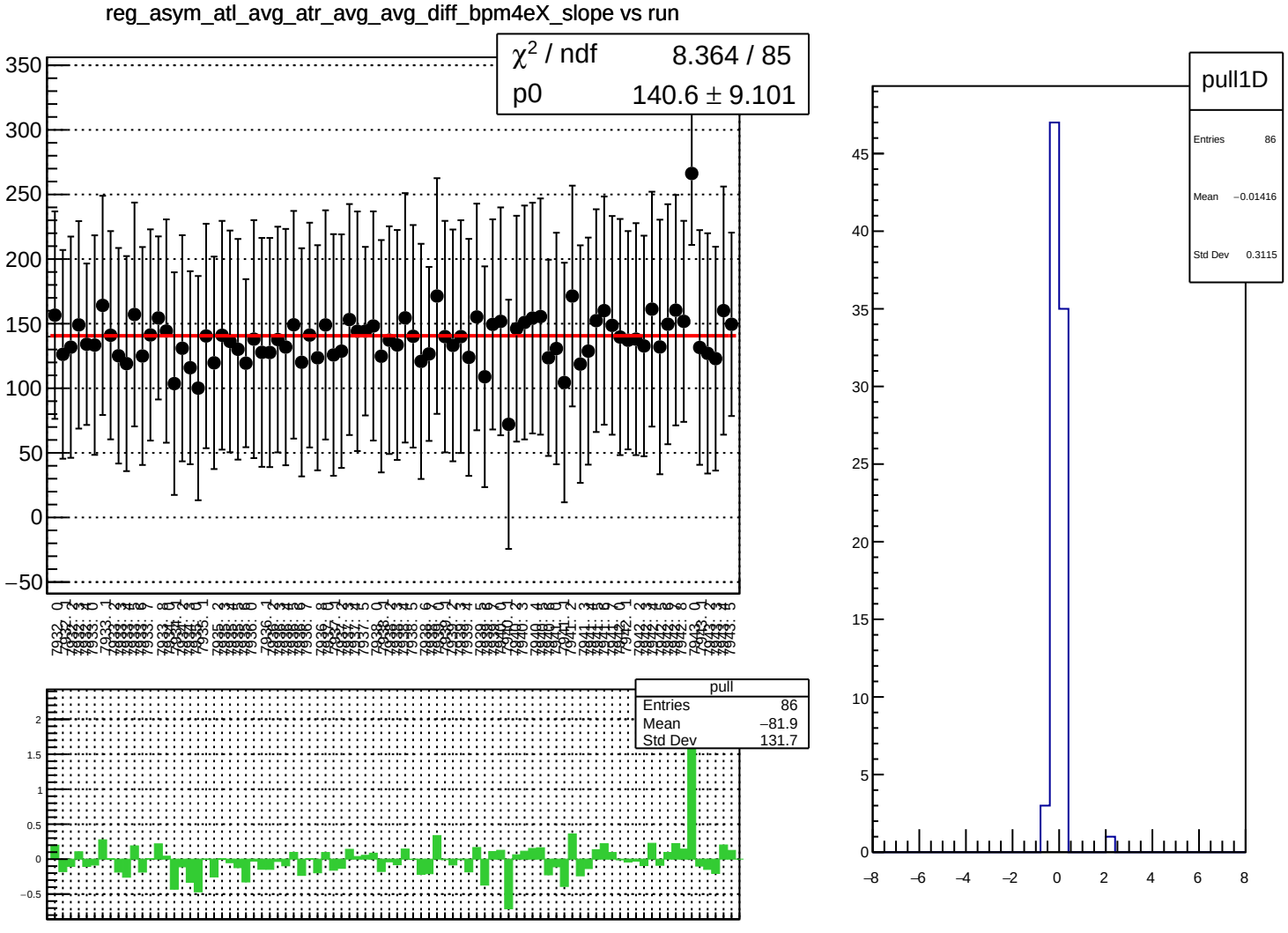

pull1D
Entries 86
Mean 0.01403
Std Dev 0.659
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

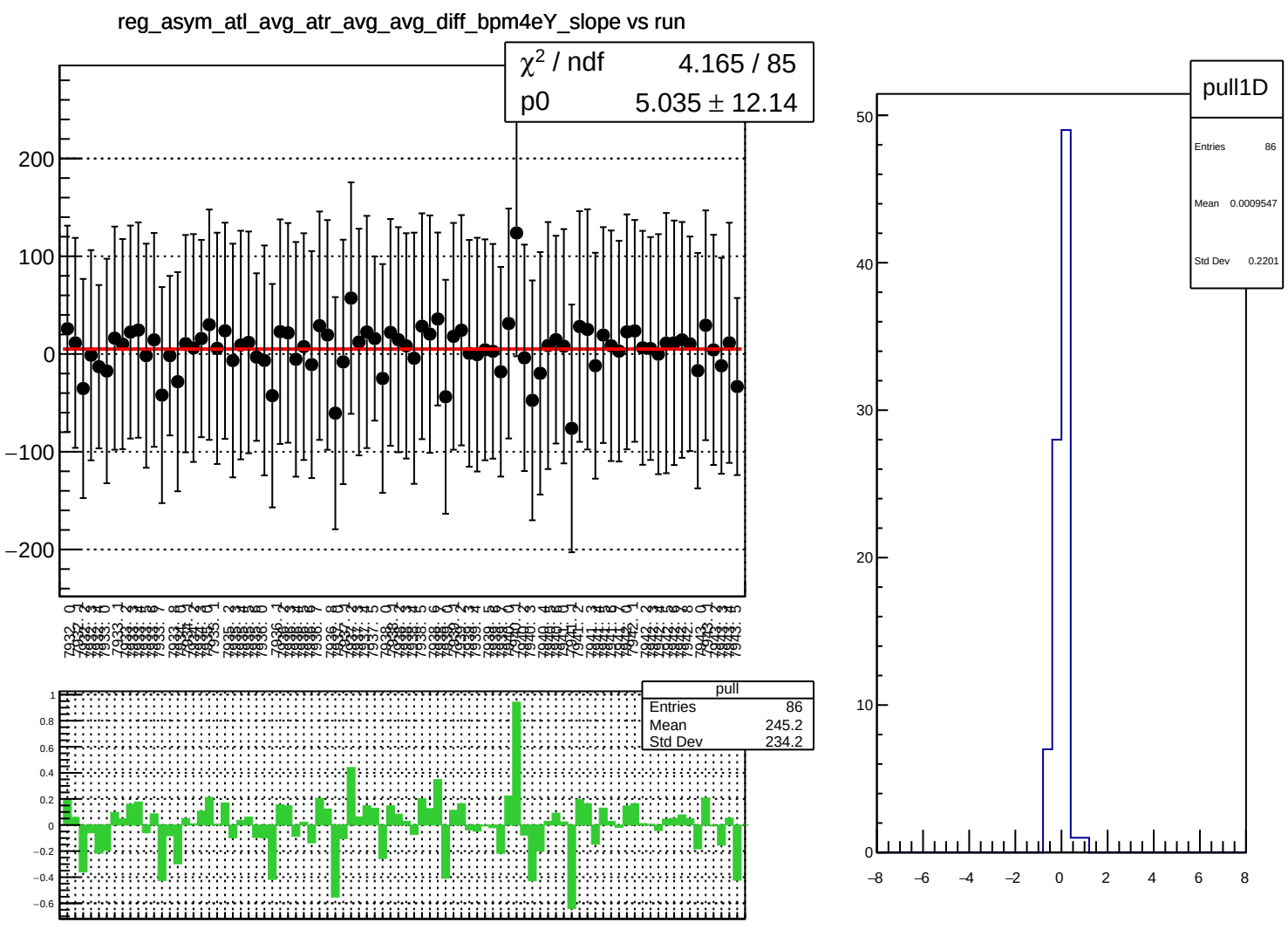

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.64 / 85
p0 −15.71± 3.733
pull
Entries 86
Mean 42.16
Std Dev 21.51
pull1D
Entries 86
Mean −0.03021
Std Dev 0.7199

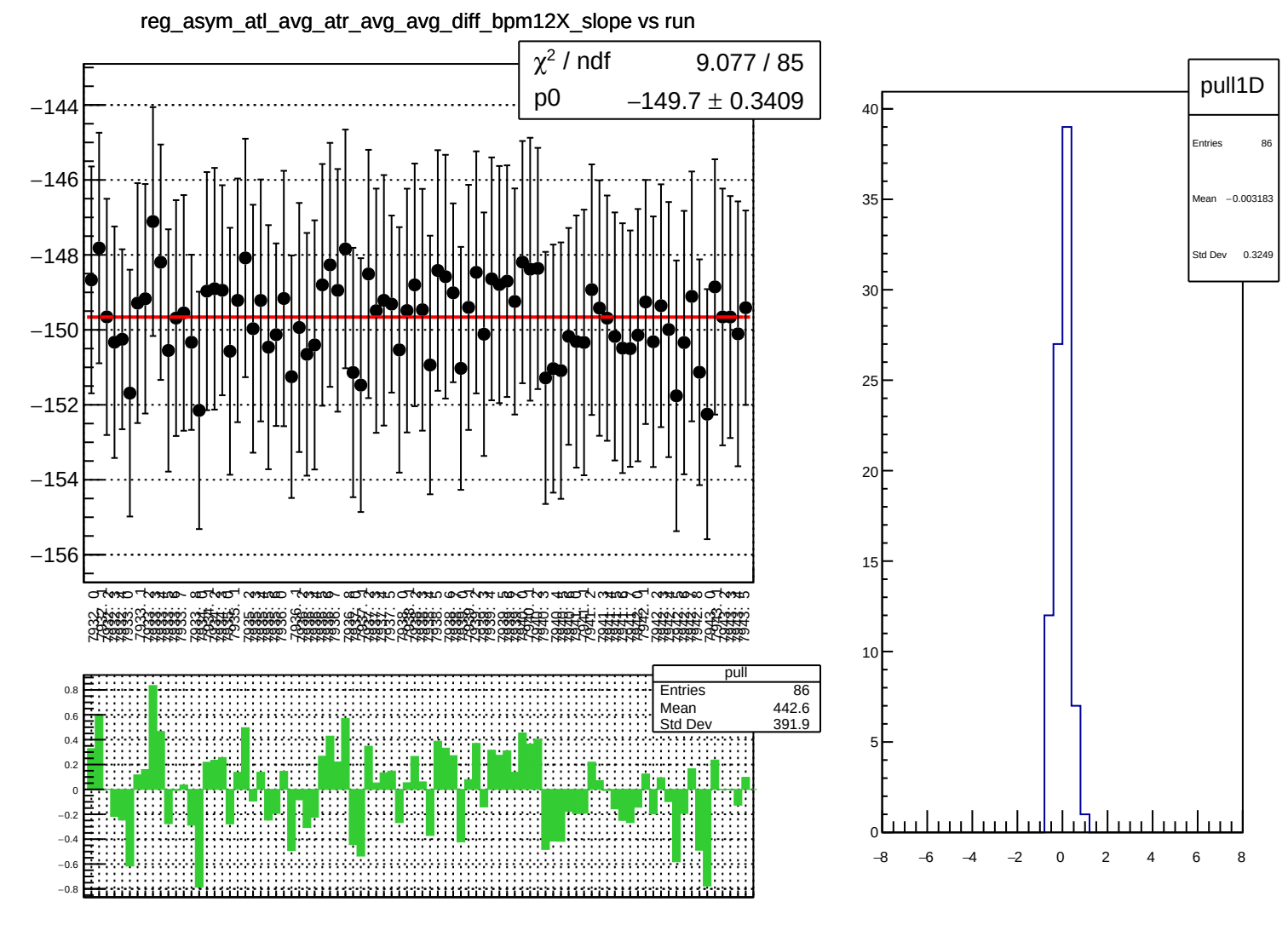

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 37.31 / 85
p0 3.766 ± 0.1047
pull
Entries 86
Mean −86.22
Std Dev 113.8
pull1D
Entries 86
Mean −0.02477
Std Dev 0.6582

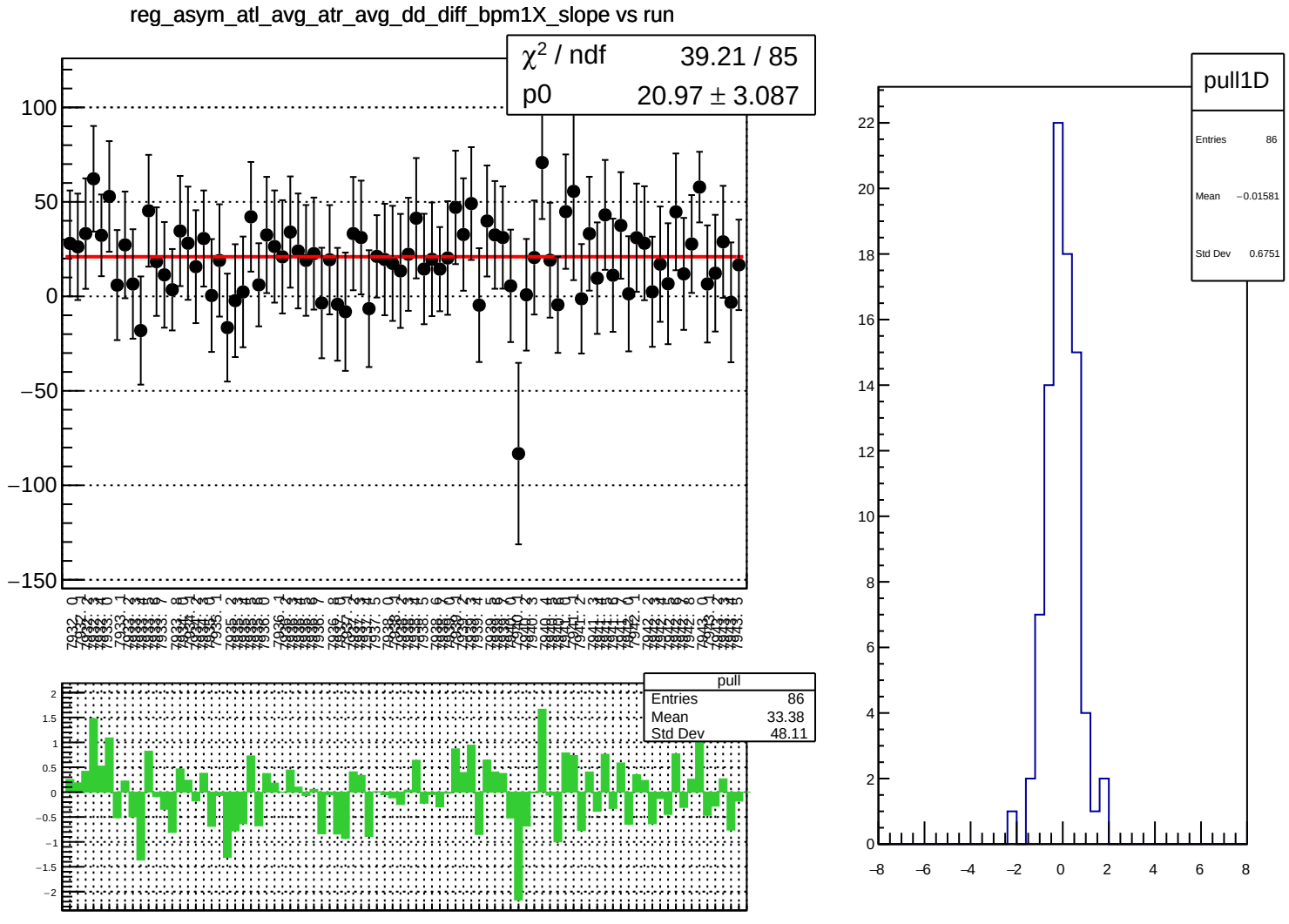

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 8.089 / 85
p0 −149.4 ± 10.12
pull
Entries 86
Mean −88.98
Std Dev 138.8
pull1D
Entries 86
Mean 0.01315
Std Dev 0.3064

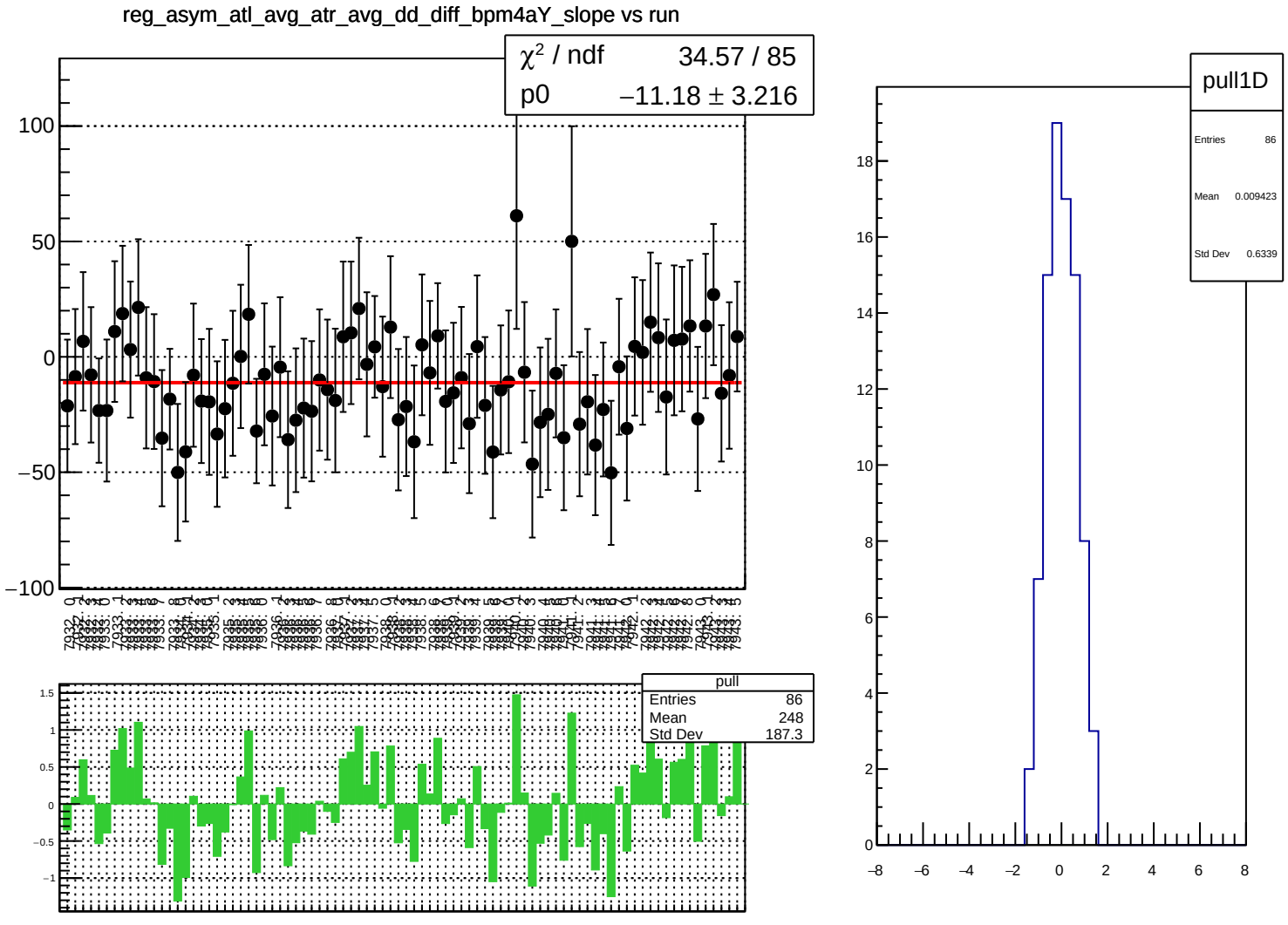

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.162 / 85
p0 52.3 ± 10.53
pull
Entries 86
Mean 101.9
Std Dev 127.2
pull1D
Entries 86
Mean −0.001042
Std Dev 0.22

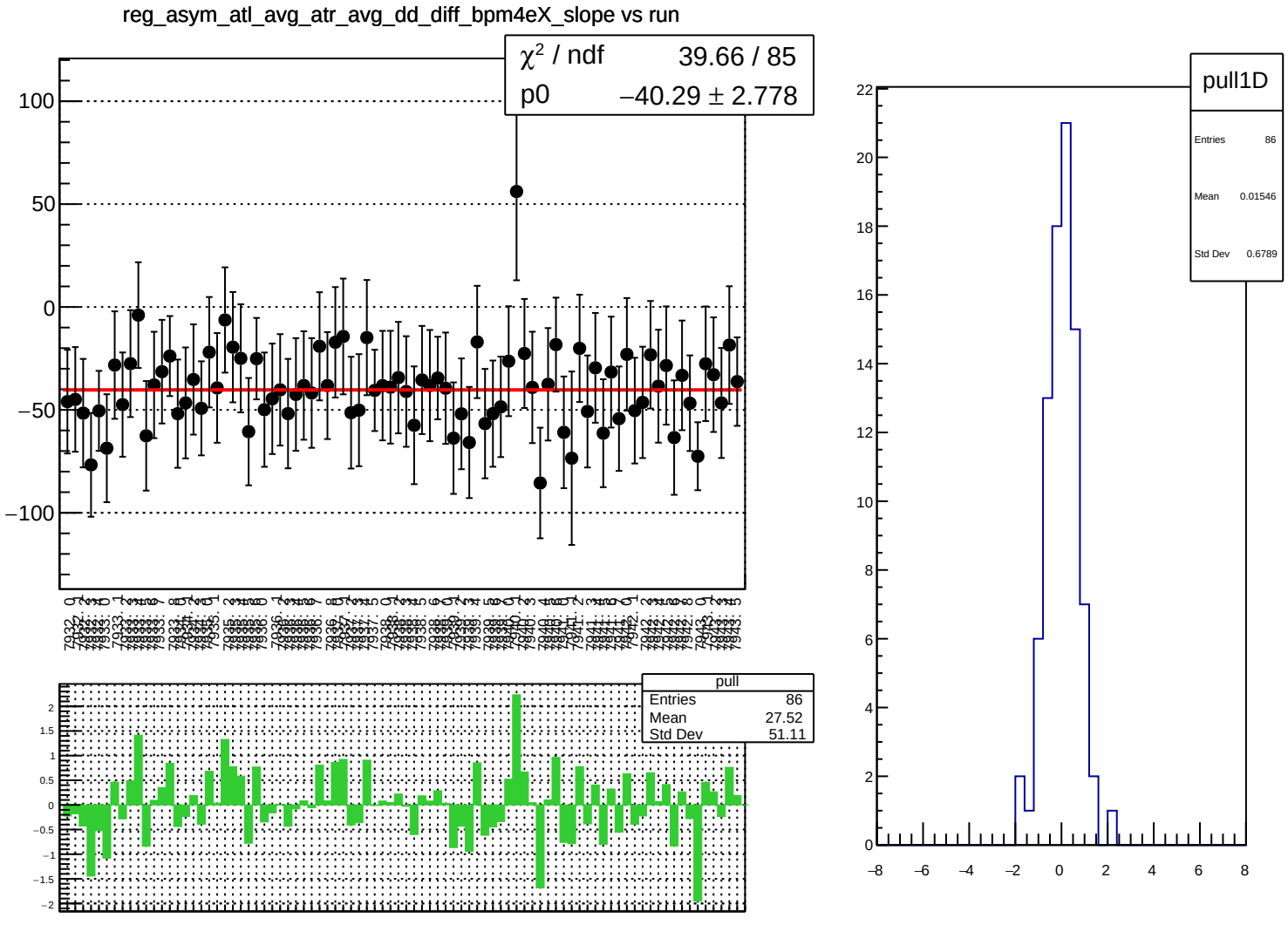

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.364 / 85
p0 140.6 ± 9.101
pull
Entries 86
Mean −81.9
Std Dev 131.7
pull1D
Entries 86
Mean −0.01416
Std Dev 0.3115

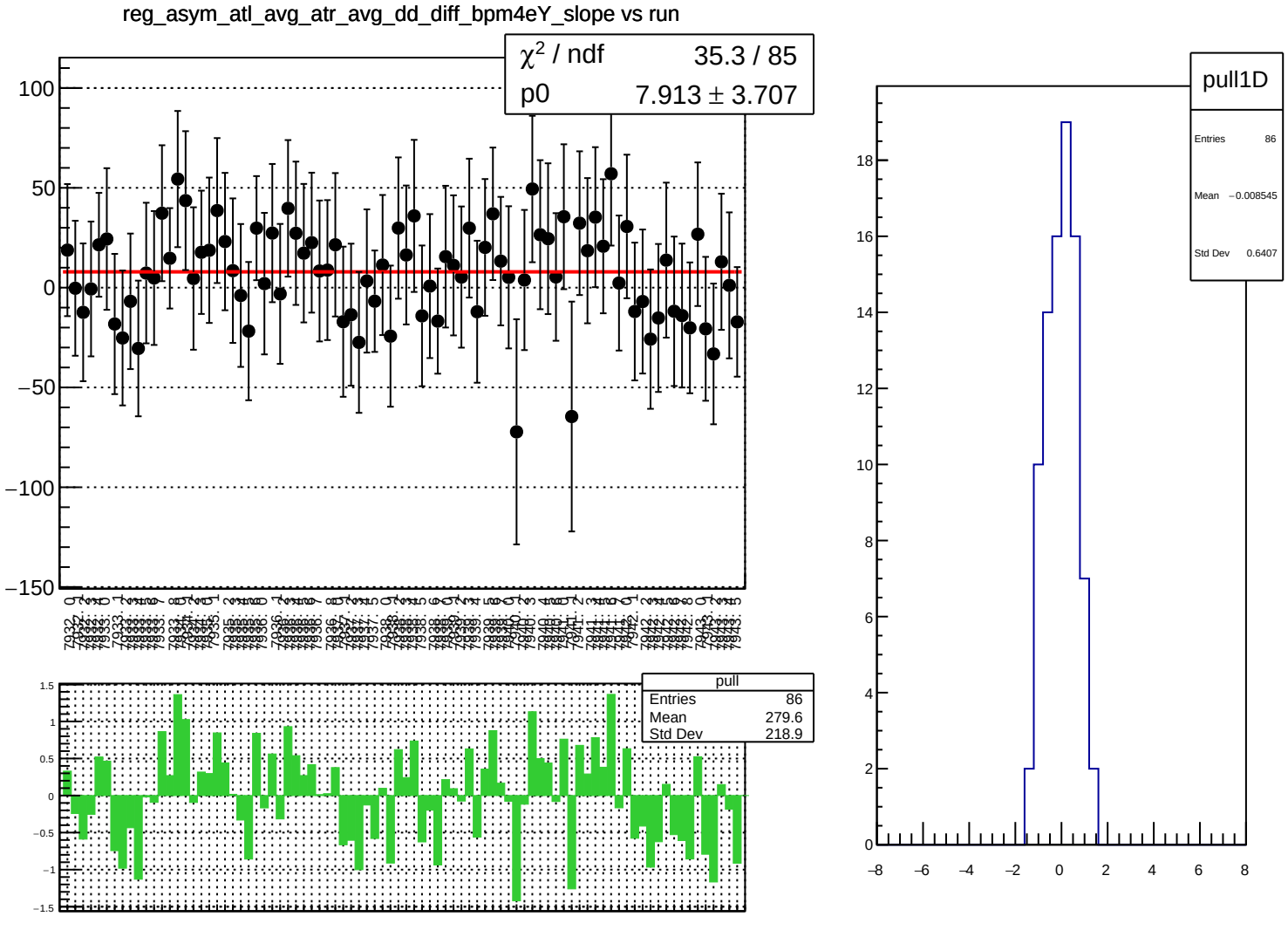

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.165 / 85
p0 5.035 ± 12.14
pull
Entries 86
Mean 245.2
Std Dev 234.2
pull1D
Entries 86
Mean 0.0009547
Std Dev 0.2201

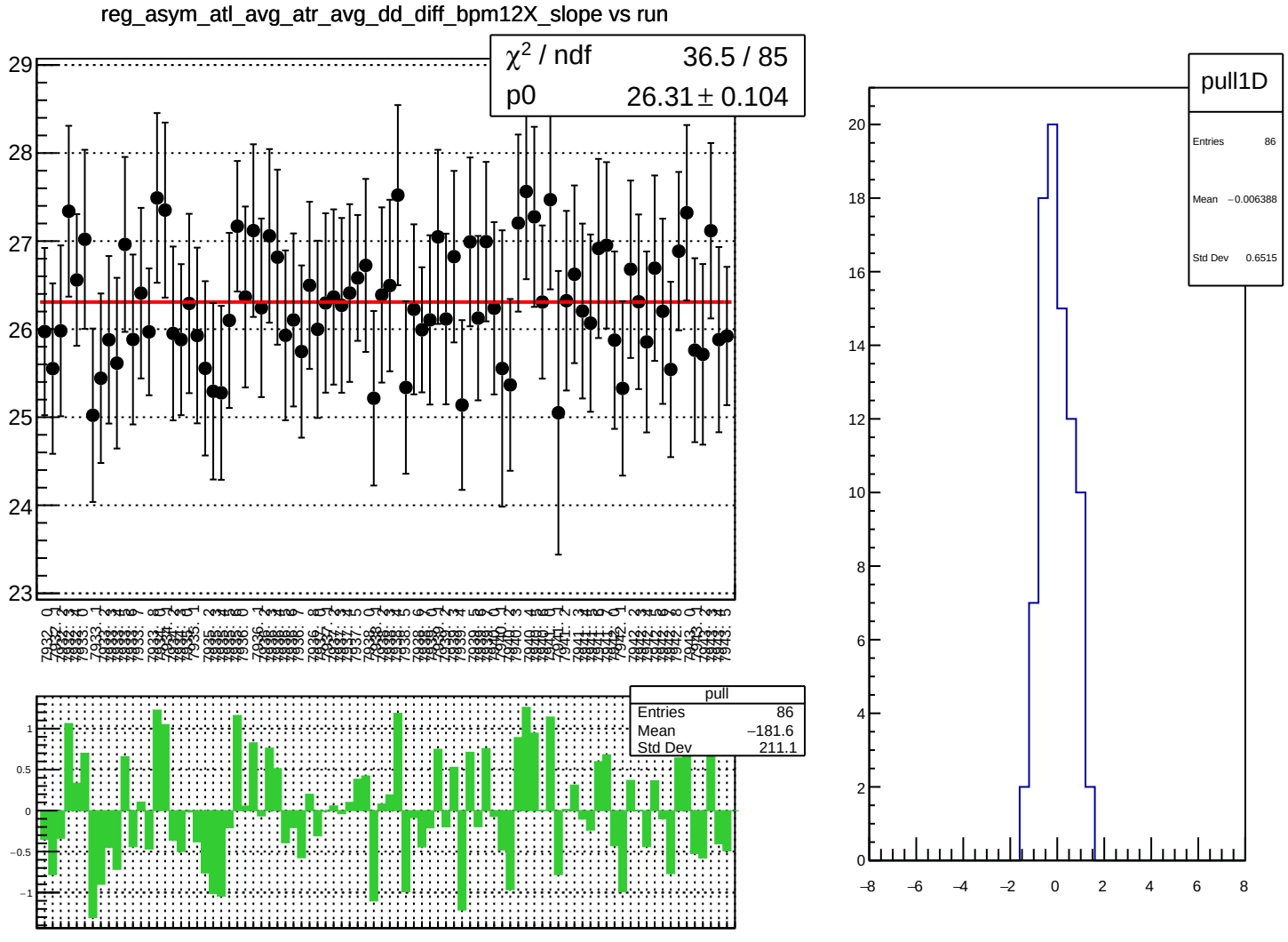

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 9.077 / 85
p0 −149.7 ± 0.3409
−144
−146
−148
−150
−152
−154
−156
pull
Entries 86
Mean 442.6
Std Dev 391.9
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 86
Mean −0.003183
Std Dev 0.3249
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

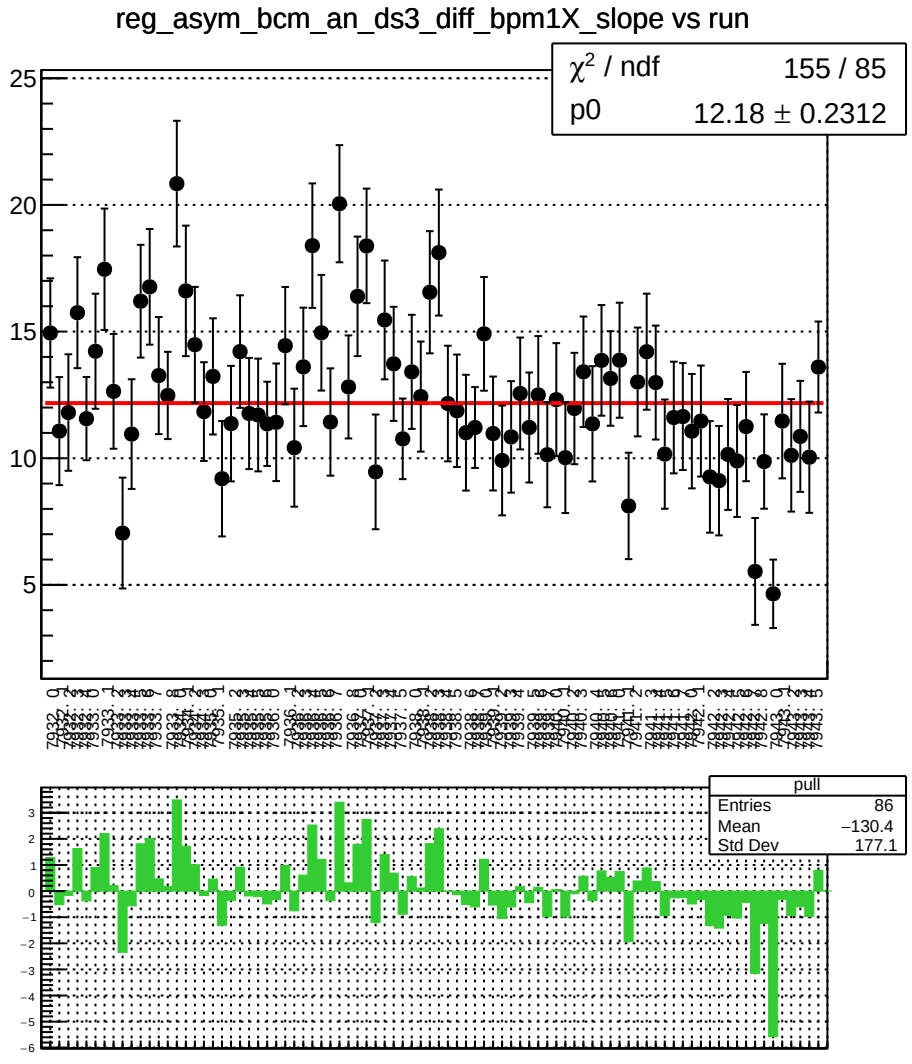

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 39.21 / 85
p0 20.97 ± 3.087
pull
Entries 86
Mean 33.38
Std Dev 48.11
pull1D
Entries 86
Mean −0.01581
Std Dev 0.6751

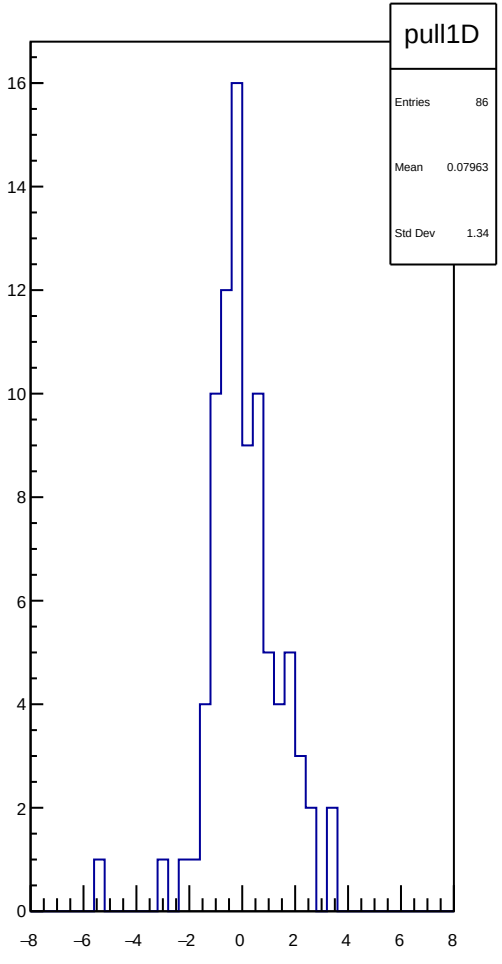

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.57 / 85
p0 −11.18 ± 3.216
pull
Entries 86
Mean 248
Std Dev 187.3
pull1D
Entries 86
Mean 0.009423
Std Dev 0.6339

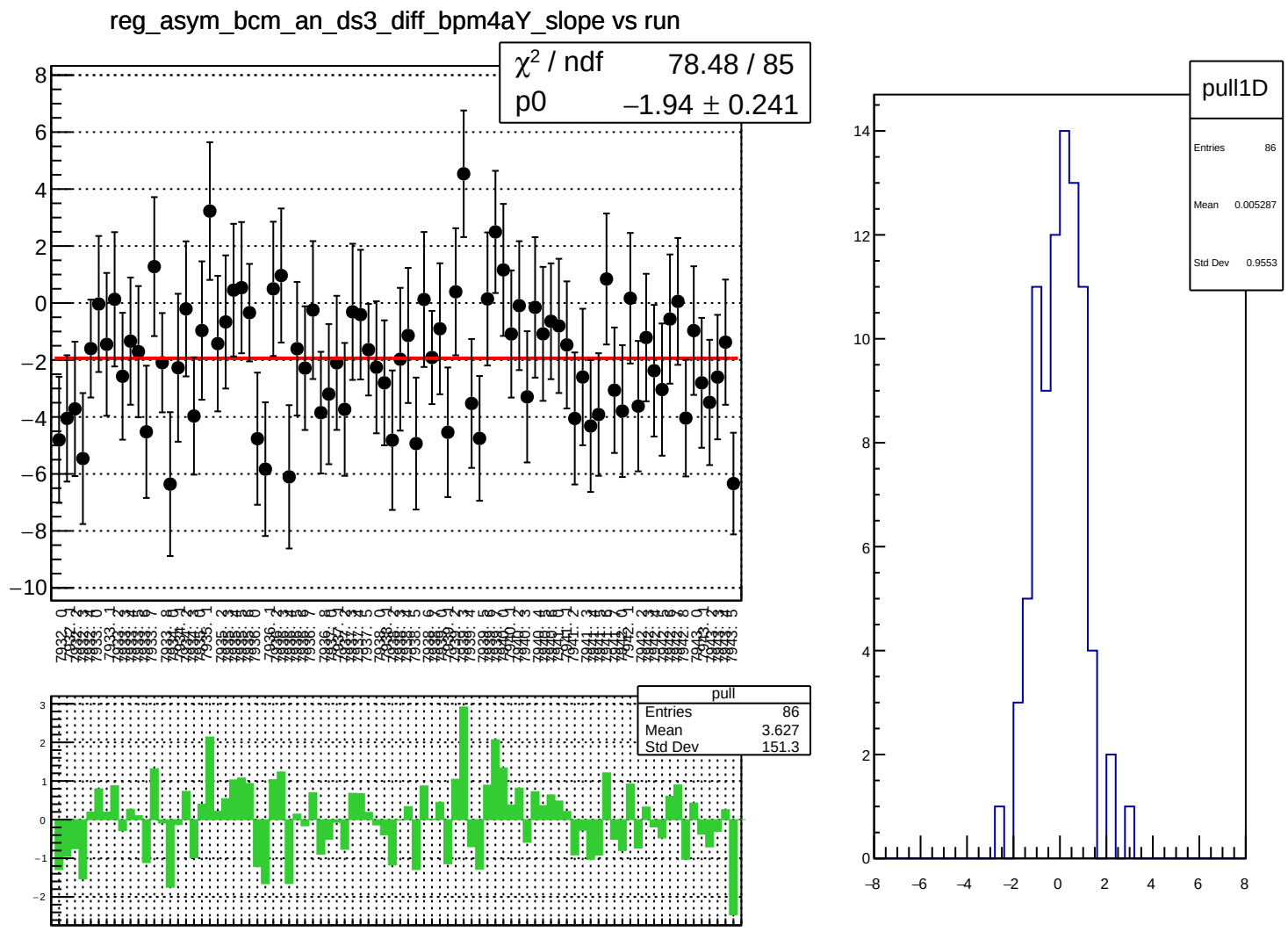

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.66 / 85
p0 −40.29 ± 2.778
pull
Entries 86
Mean 27.52
Std Dev 51.11
pull1D
Entries 86
Mean 0.01546
Std Dev 0.6789

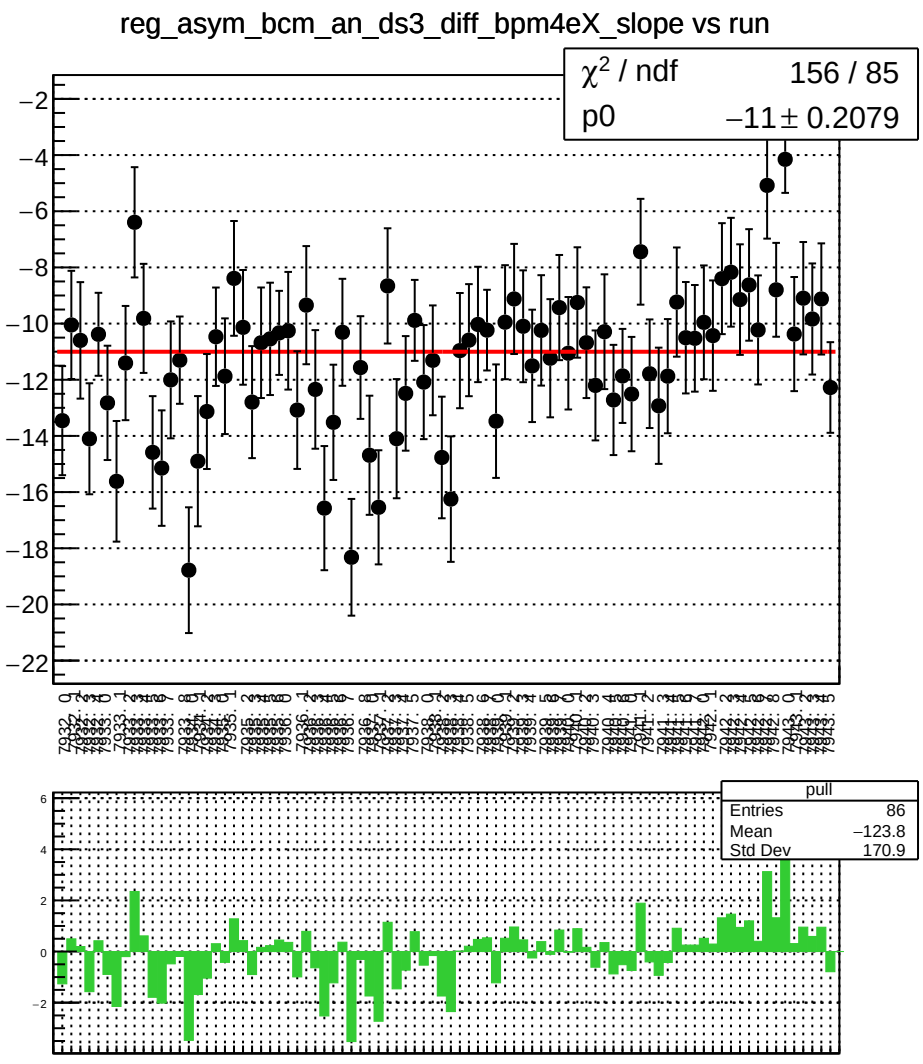

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.3 / 85
p0 7.913 ± 3.707
pull
Entries 86
Mean 279.6
Std Dev 218.9
pull1D
Entries 86
Mean −0.008545
Std Dev 0.6407

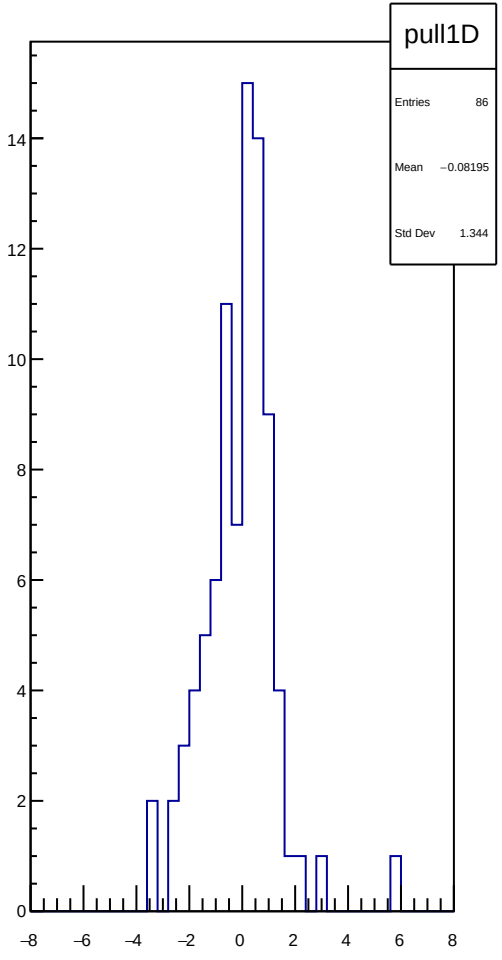

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 36.5 / 85
p0 26.31 ± 0.104
pull
Entries 86
Mean −181.6
Std Dev 211.1
pull1D
Entries 86
Mean −0.006388
Std Dev 0.6515

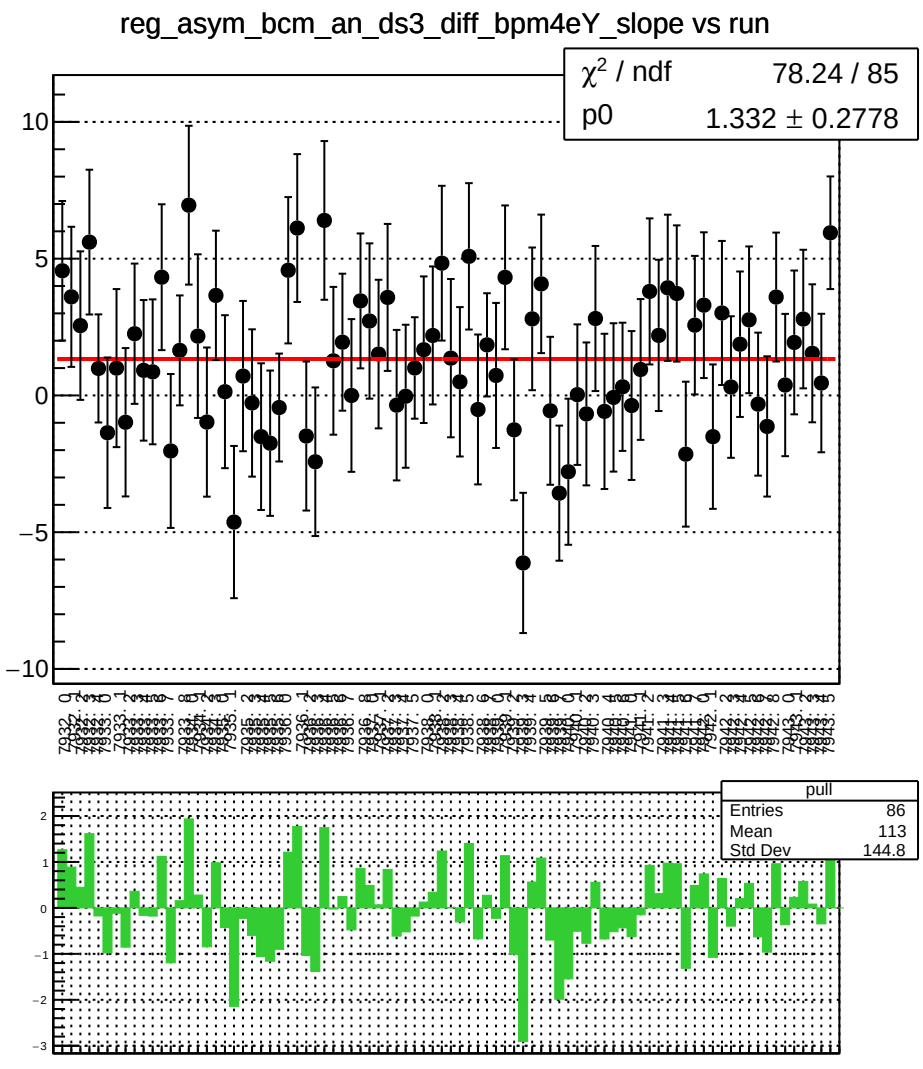

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 155 / 85
p0 12.18 ± 0.2312
pull
Entries 86
Mean −130.4
Std Dev 177.1

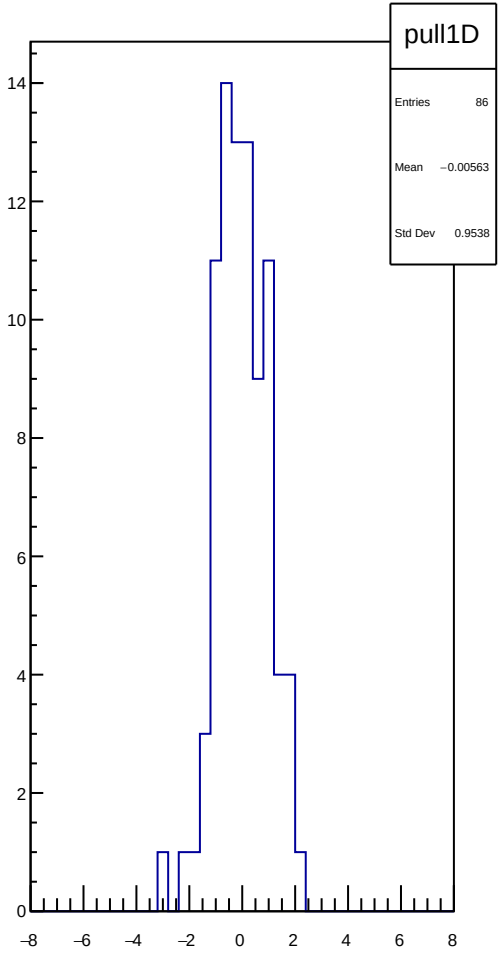

pull1D
Entries 86
Mean 0.07963
Std Dev 1.34

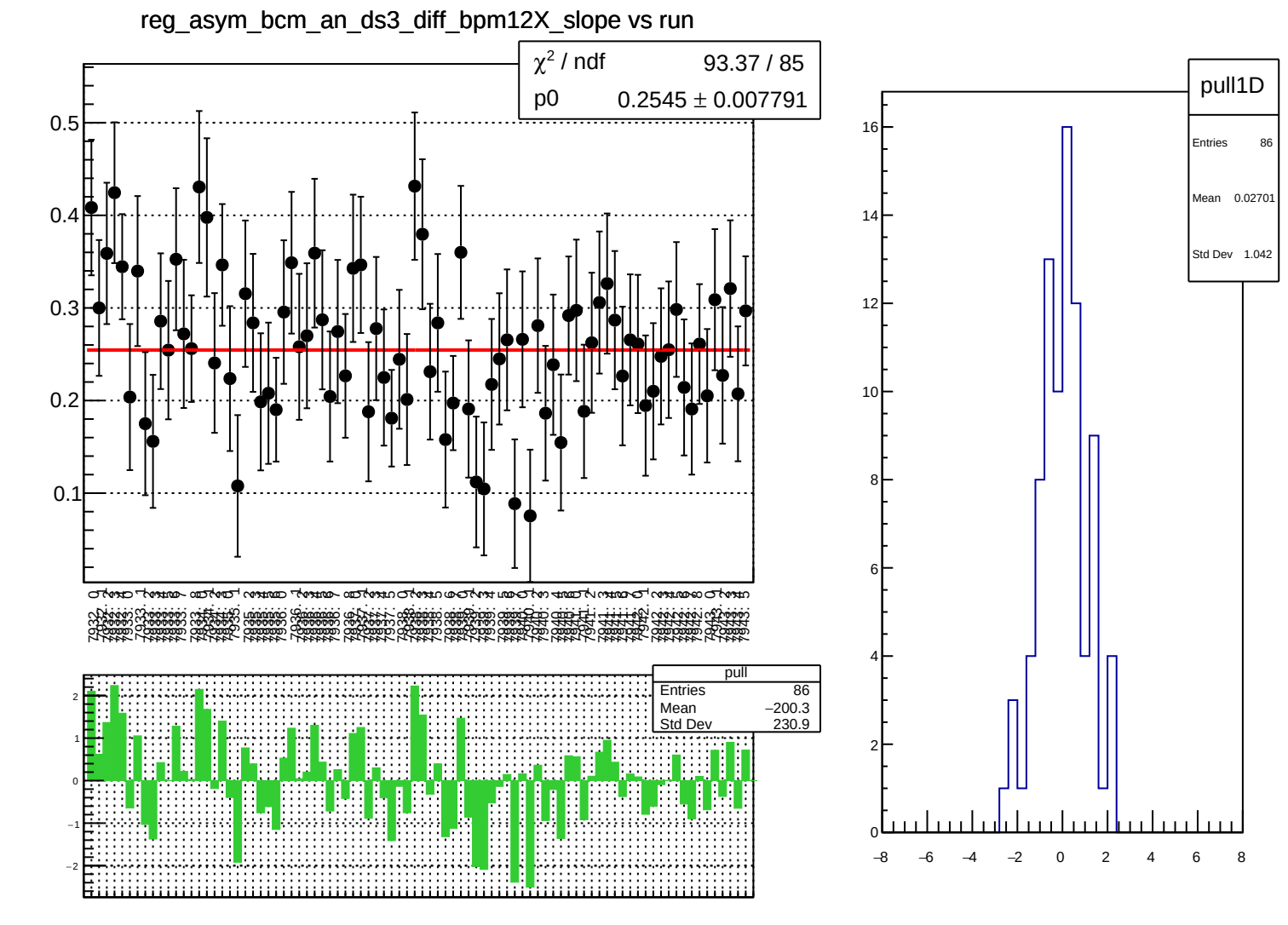

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 78.48 / 85
p0 −1.94 ± 0.241
pull
Entries 86
Mean 3.627
Std Dev 151.3
pull1D
Entries 86
Mean 0.005287
Std Dev 0.9553

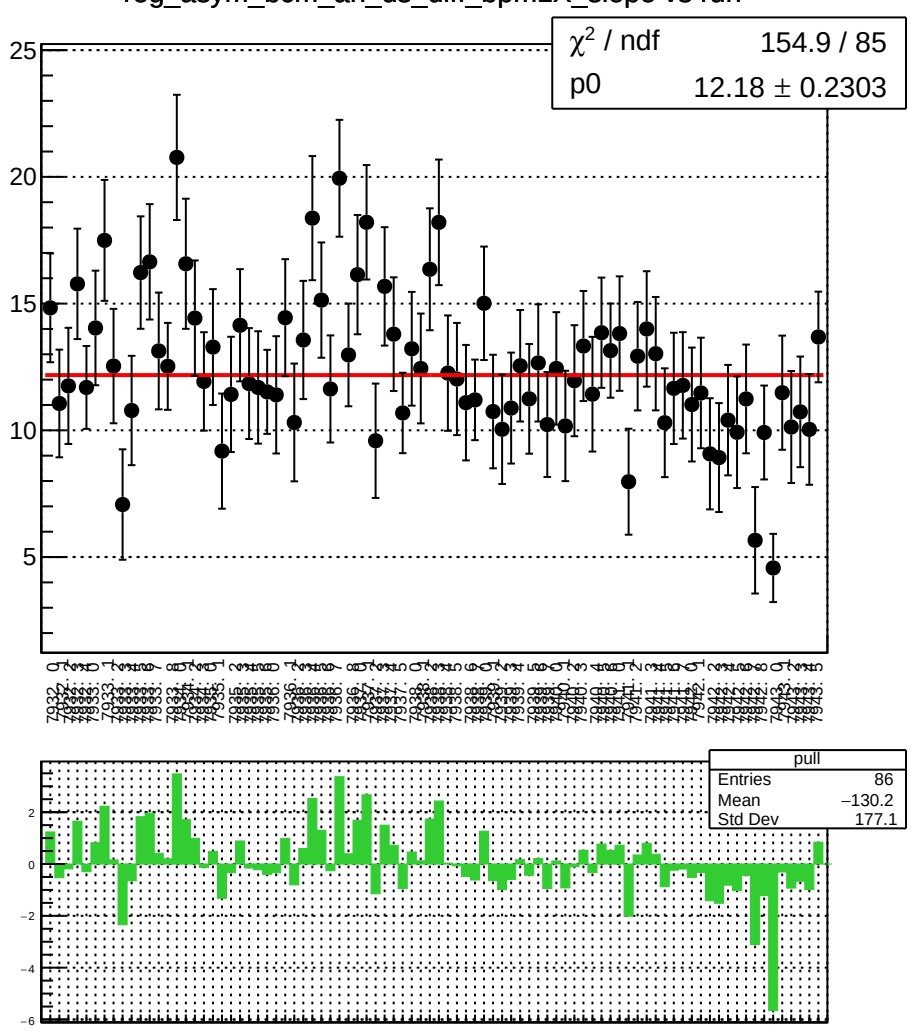

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 156 / 85
p0 −11 ± 0.2079
pull
Entries 86
Mean −123.8
Std Dev 170.9

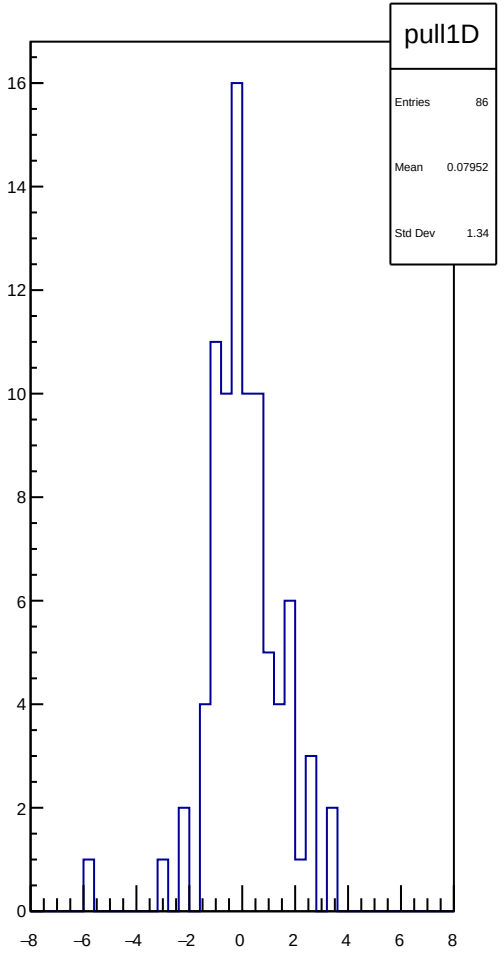

pull1D
Entries 86
Mean −0.08195
Std Dev 1.344

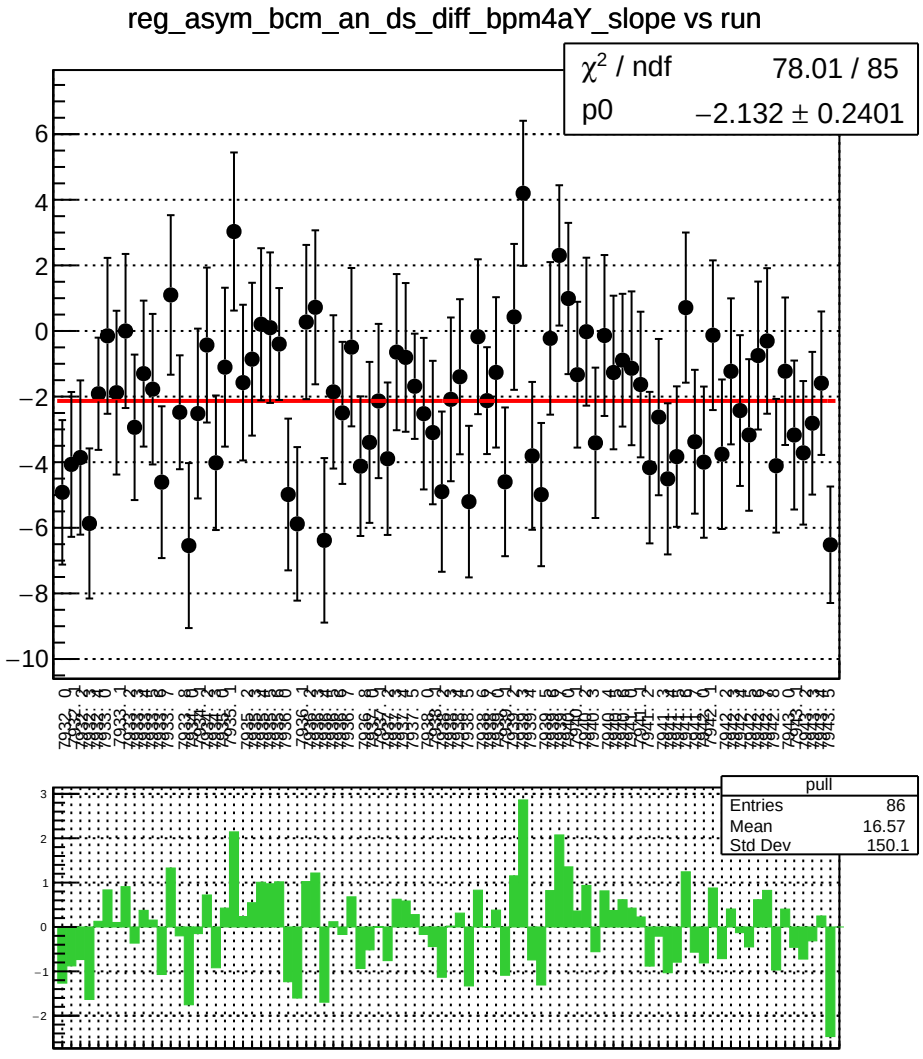

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 78.24 / 85
p0 1.332 ± 0.2778
pull
Entries 86
Mean 113
Std Dev 144.8

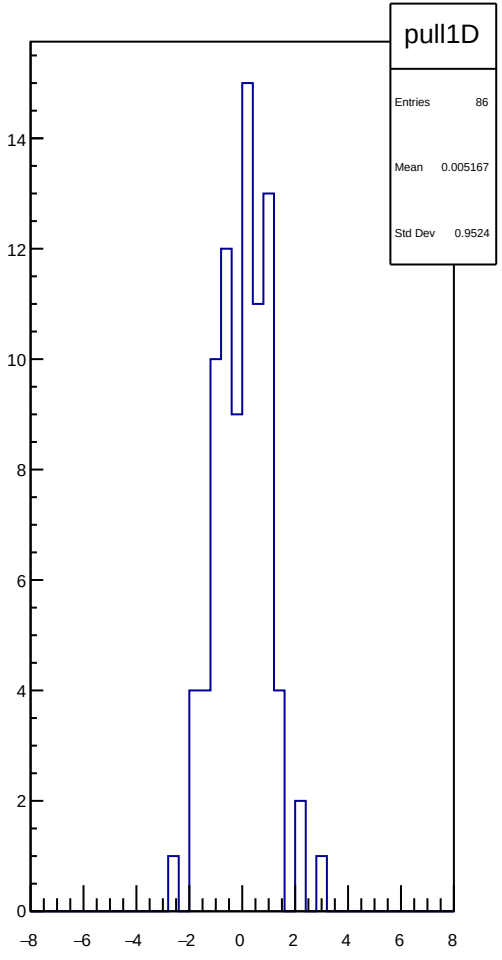

pull1D
Entries 86
Mean −0.00563
Std Dev 0.9538

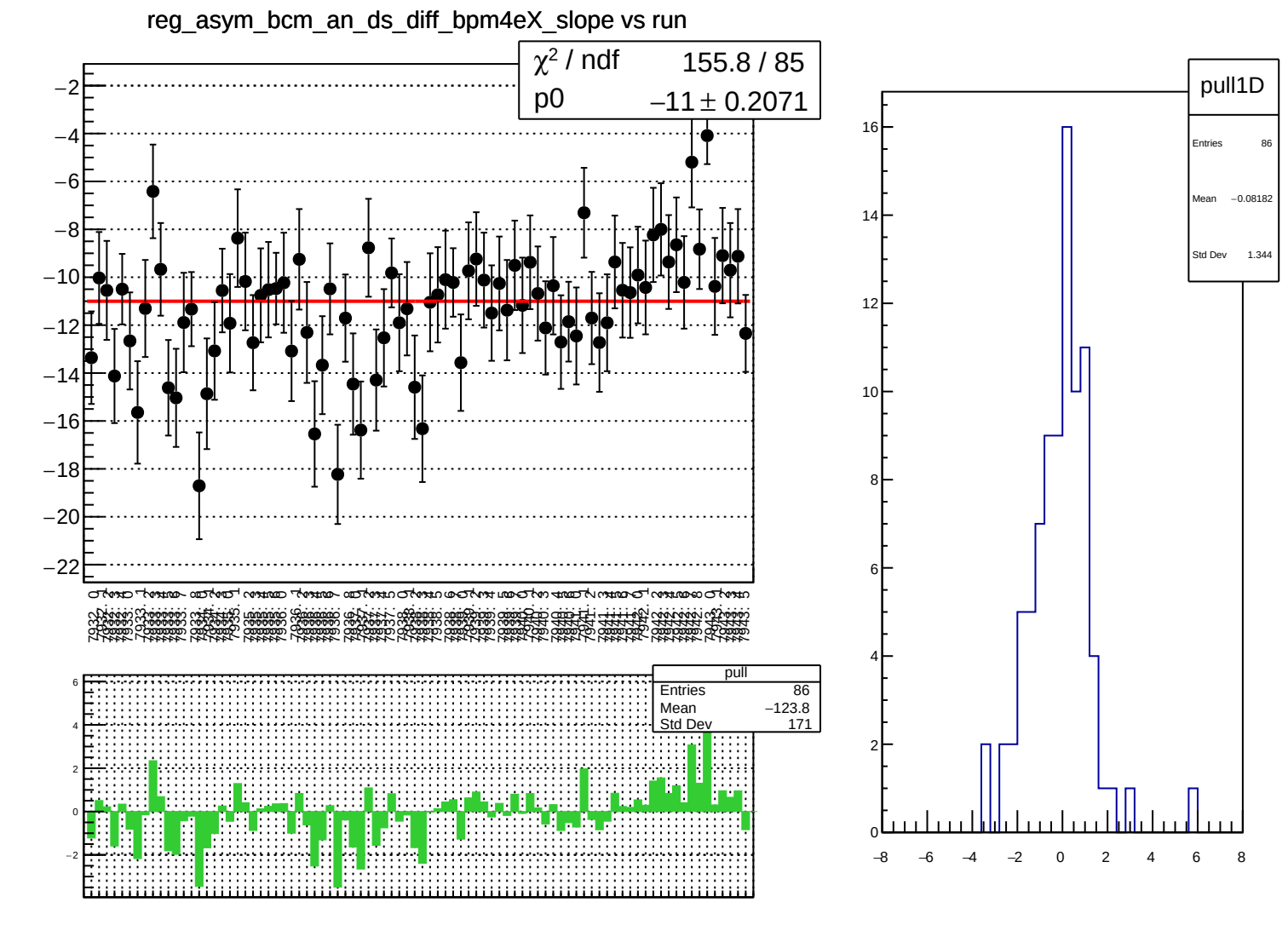

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 93.37 / 85
p0 0.2545 ± 0.007791
pull
Entries 86
Mean −200.3
Std Dev 230.9
pull1D
Entries 86
Mean 0.02701
Std Dev 1.042

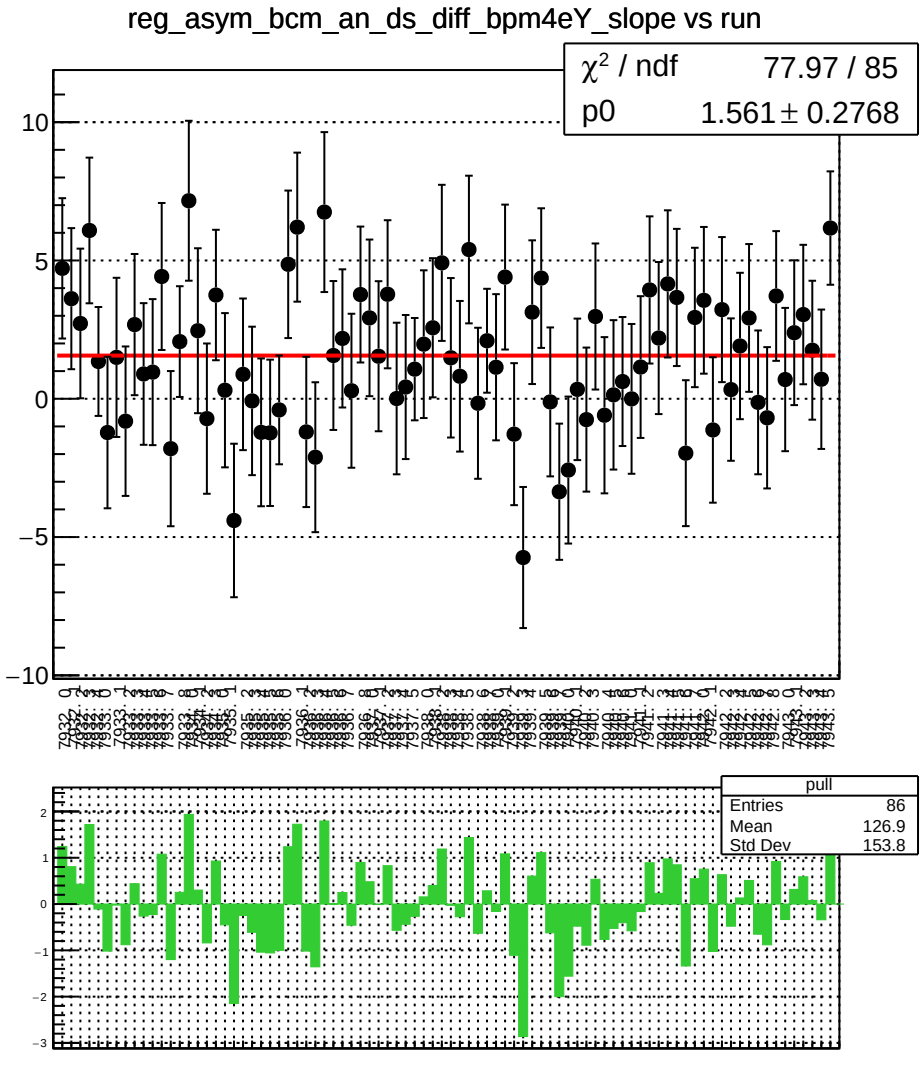

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 154.9 / 85
p0 12.18 ± 0.2303
pull
Entries 86
Mean −130.2
Std Dev 177.1

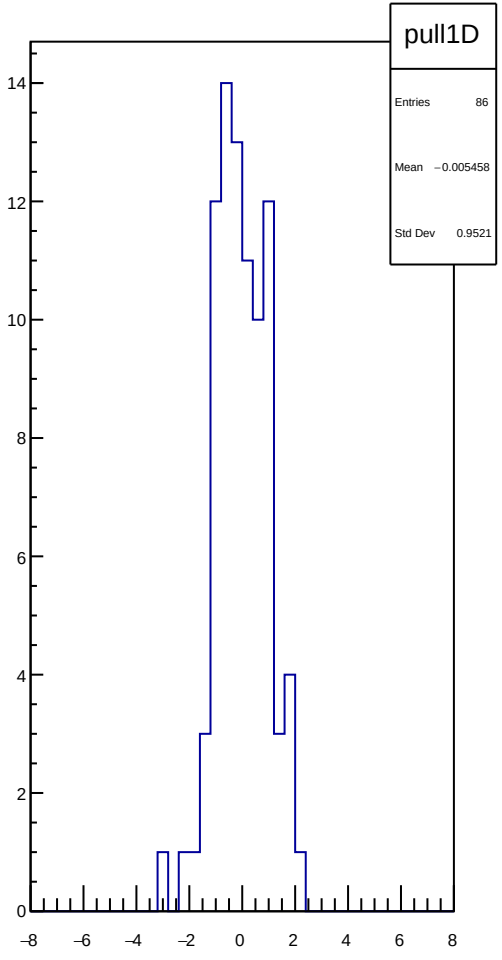

pull1D
Entries 86
Mean 0.07952
Std Dev 1.34

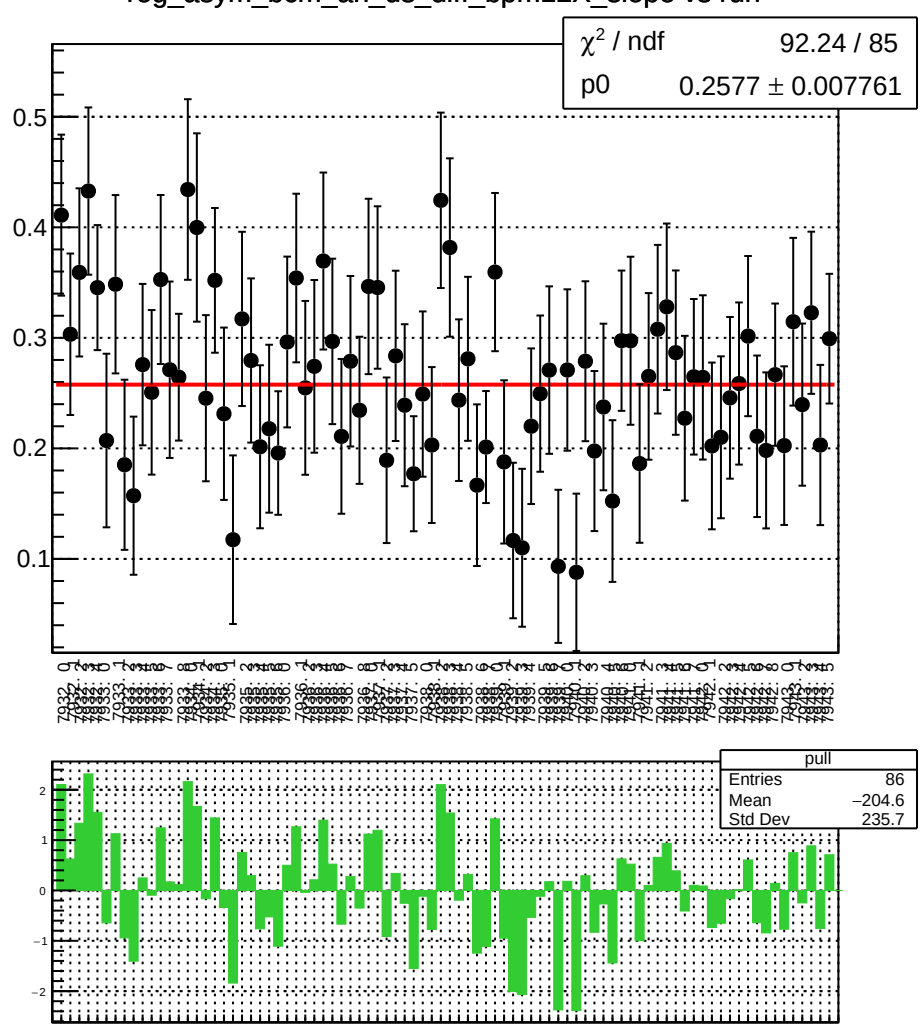

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 78.01 / 85
p0 −2.132 ± 0.2401
pull
Entries 86
Mean 16.57
Std Dev 150.1

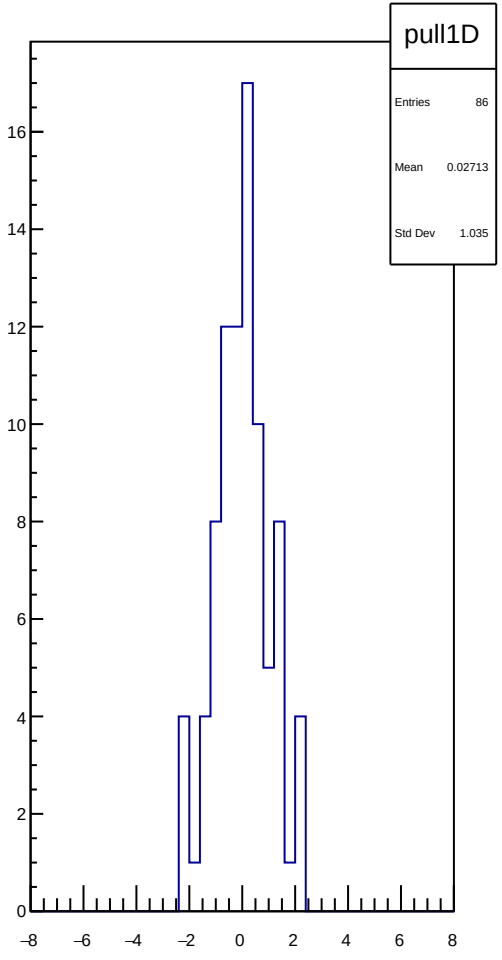

pull1D
Entries 86
Mean 0.005167
Std Dev 0.9524

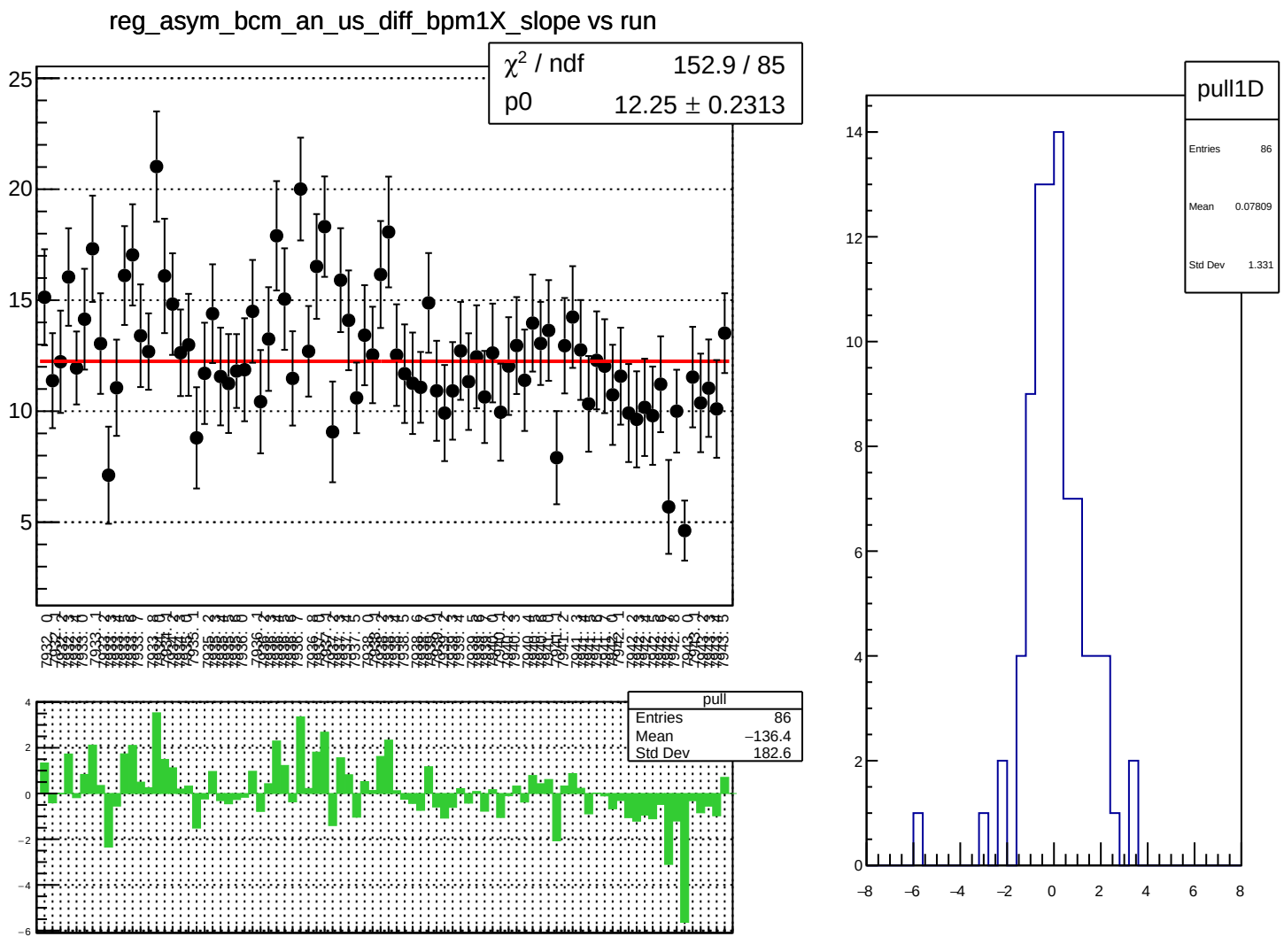

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 155.8 / 85
p0 −11 ± 0.2071
pull
Entries 86
Mean −123.8
Std Dev 171
pull1D
Entries 86
Mean −0.08182
Std Dev 1.344

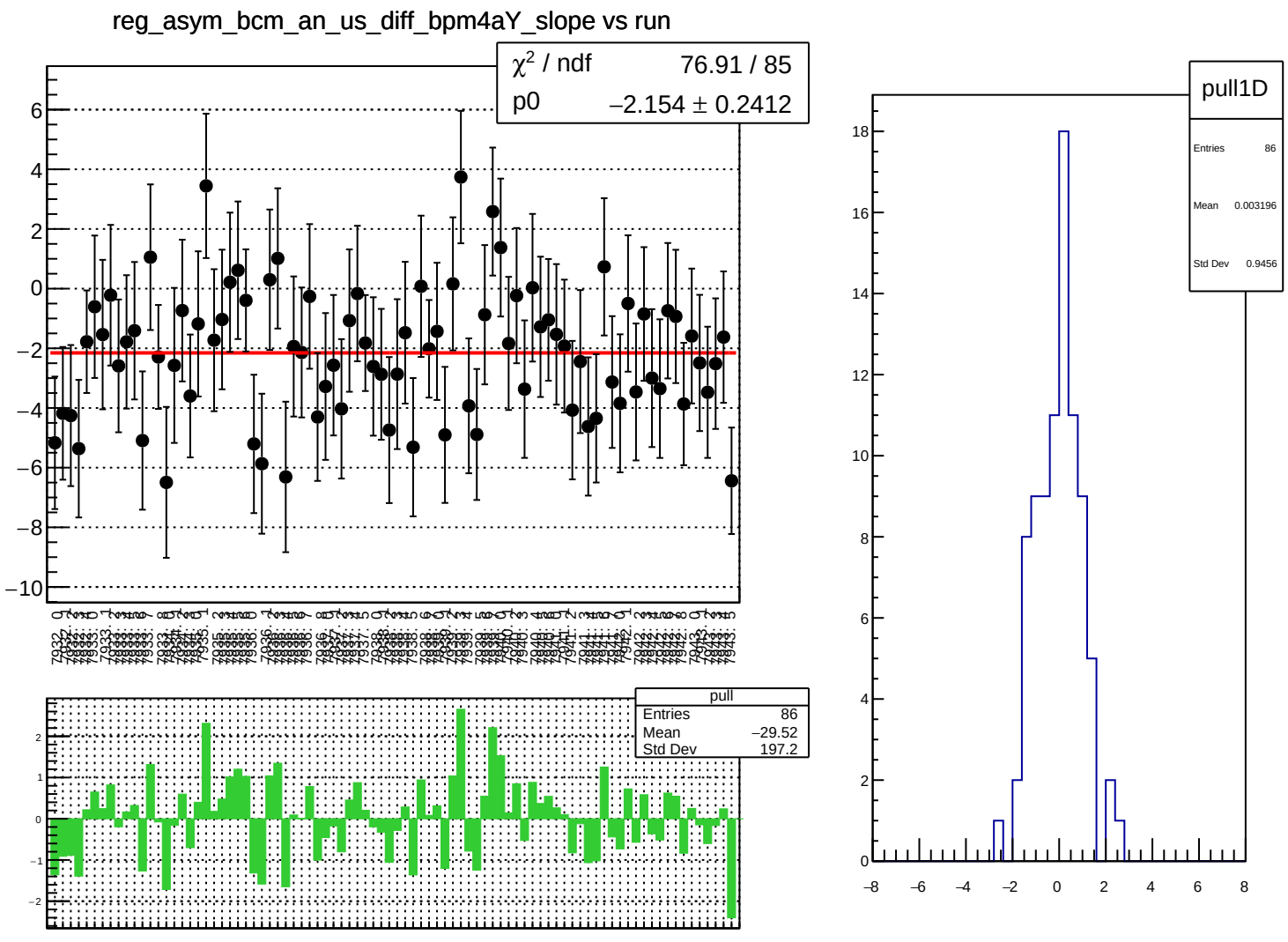

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ^2 / ndf 77.97 / 85
p0 1.561 ± 0.2768
pull
Entries 86
Mean 126.9
Std Dev 153.8

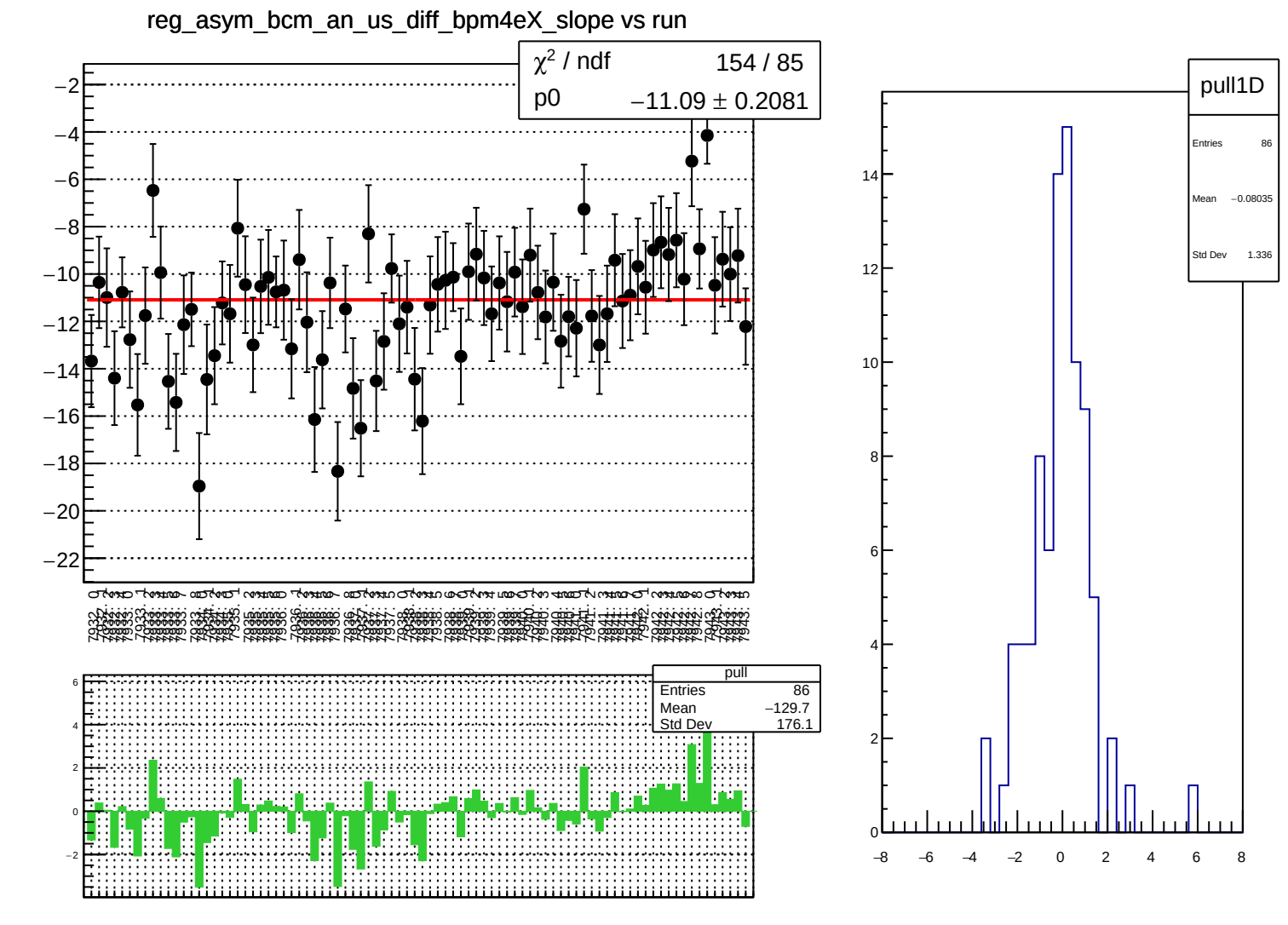

pull1D
Entries 86
Mean −0.005458
Std Dev 0.9521

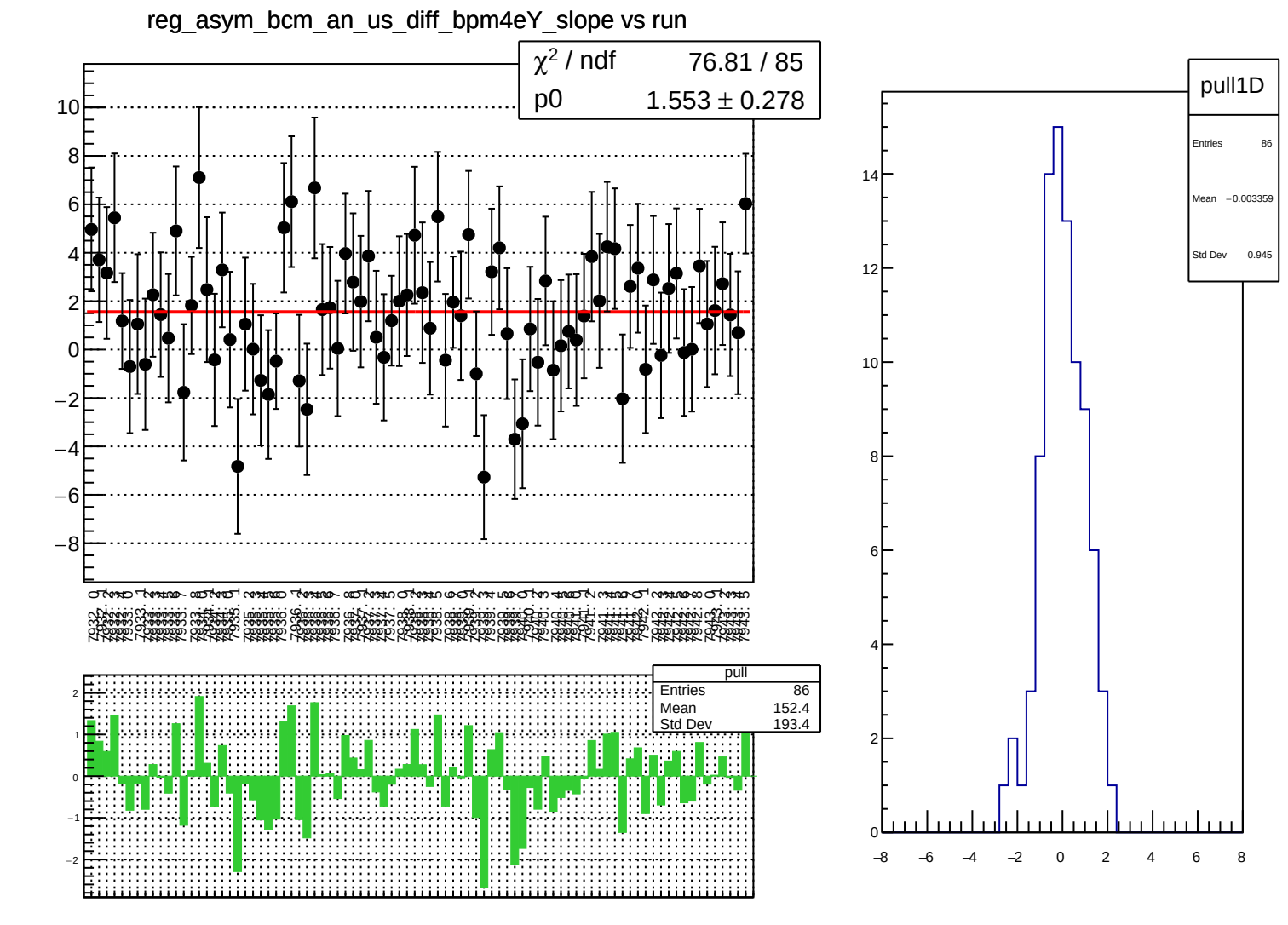

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 92.24 / 85
p0 0.2577 ± 0.007761
pull
Entries 86
Mean −204.6
Std Dev 235.7

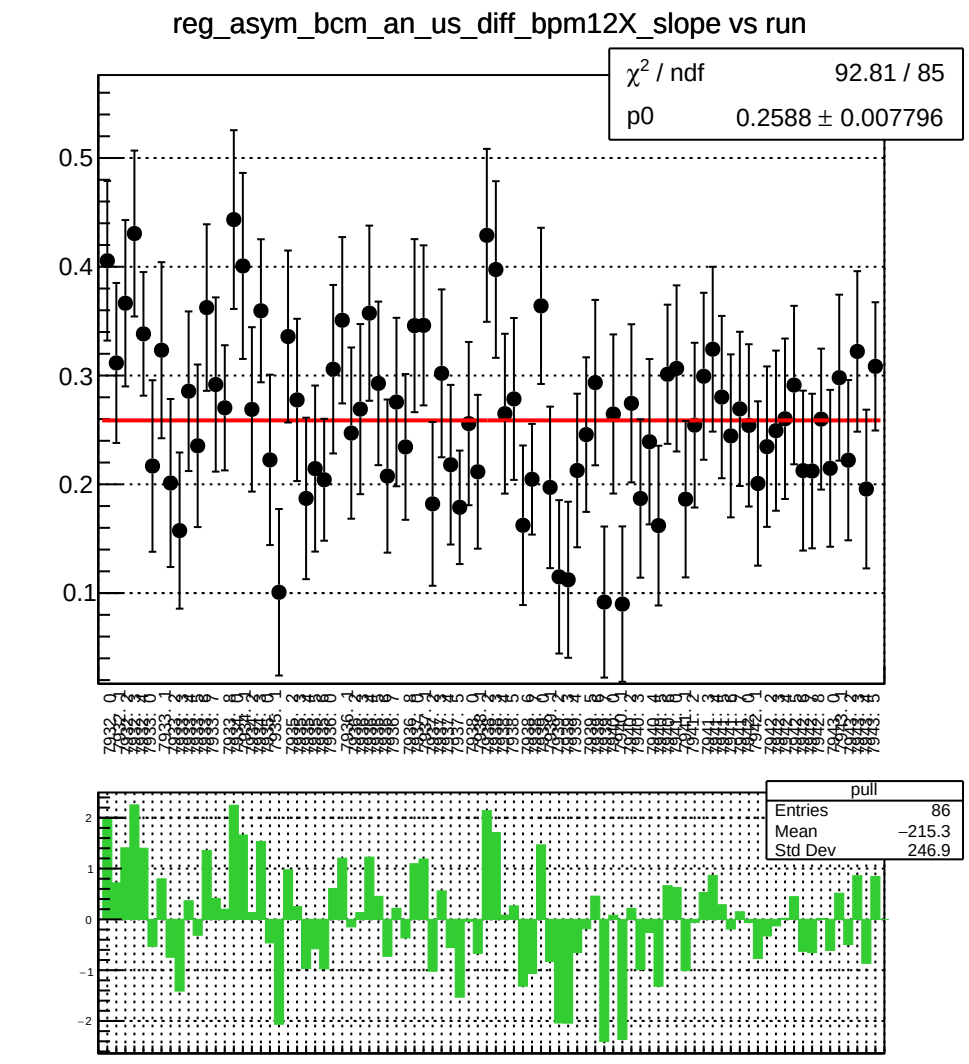

pull1D
Entries 86
Mean 0.02713
Std Dev 1.035

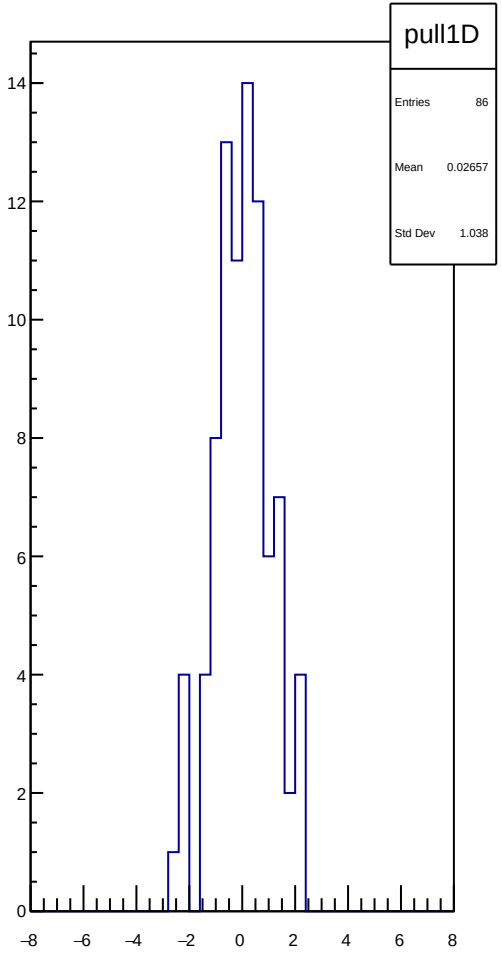

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 152.9 / 85
p0 12.25 ± 0.2313
pull
Entries 86
Mean −136.4
Std Dev 182.6
pull1D
Entries 86
Mean 0.07809
Std Dev 1.331

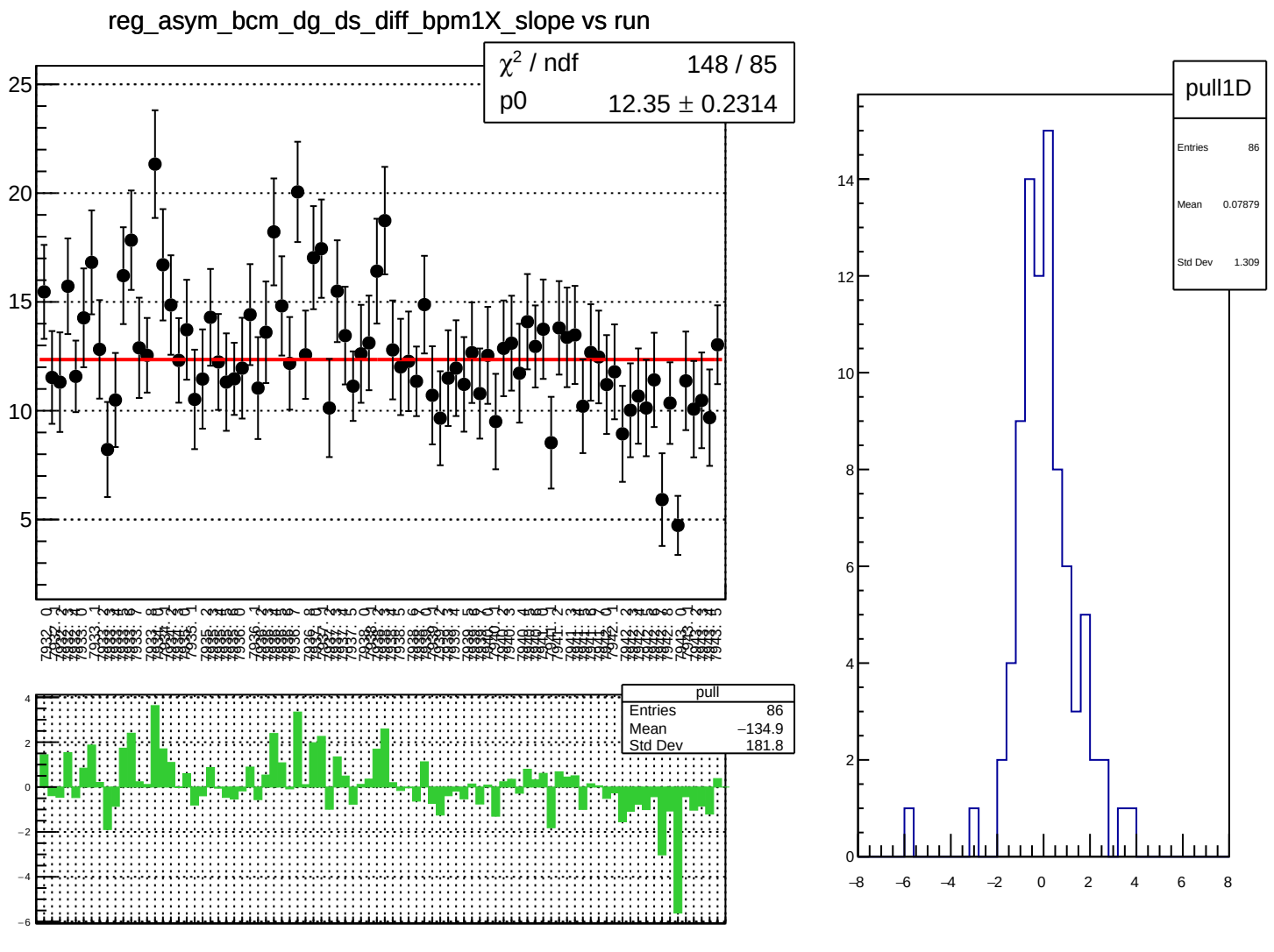

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 76.91 / 85
p0 −2.154 ± 0.2412
pull
Entries 86
Mean −29.52
Std Dev 197.2
pull1D
Entries 86
Mean 0.003196
Std Dev 0.9456

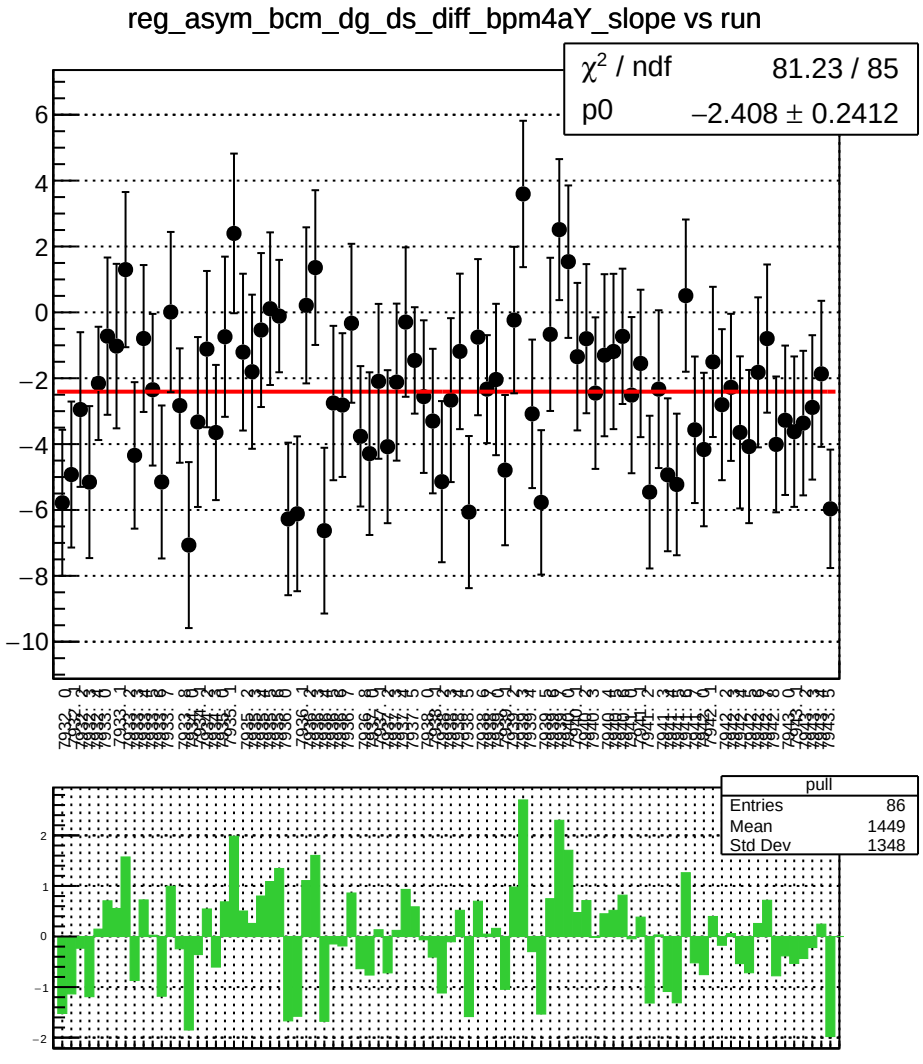

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 154 / 85
p0 −11.09 ± 0.2081
pull
Entries 86
Mean −129.7
Std Dev 176.1
pull1D
Entries 86
Mean −0.08035
Std Dev 1.336

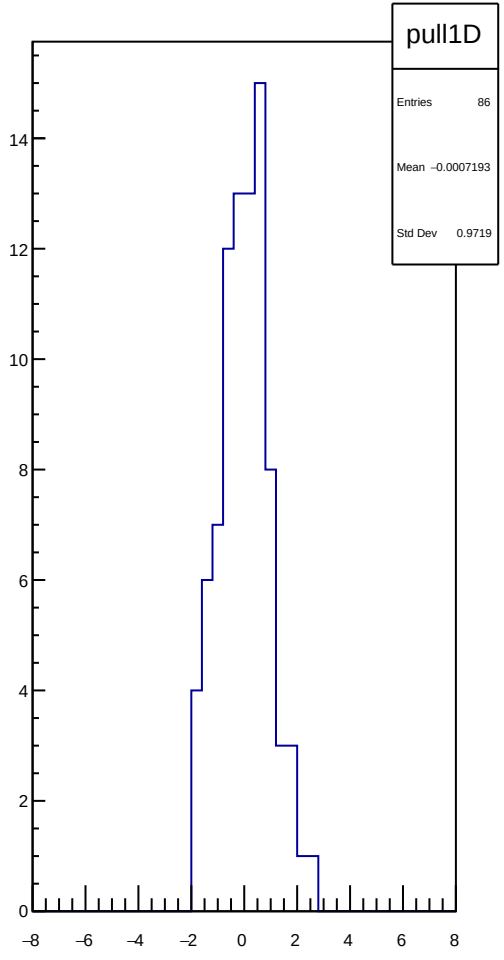

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 76.81 / 85
p0 1.553 ± 0.278
pull
Entries 86
Mean 152.4
Std Dev 193.4
pull1D
Entries 86
Mean −0.003359
Std Dev 0.945

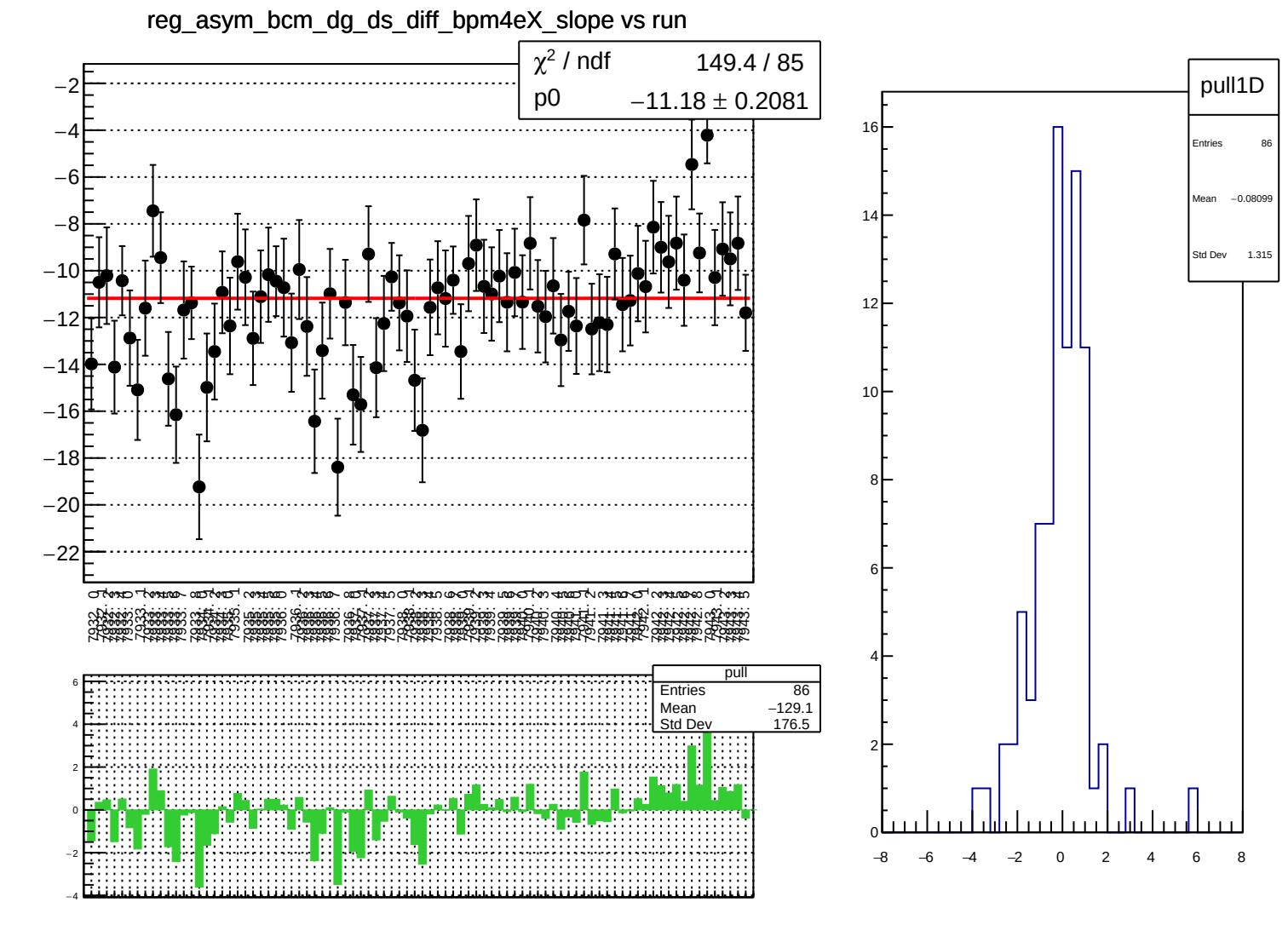

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 92.81 / 85
p0 0.2588 ± 0.007796
pull
Entries 86
Mean −215.3
Std Dev 246.9

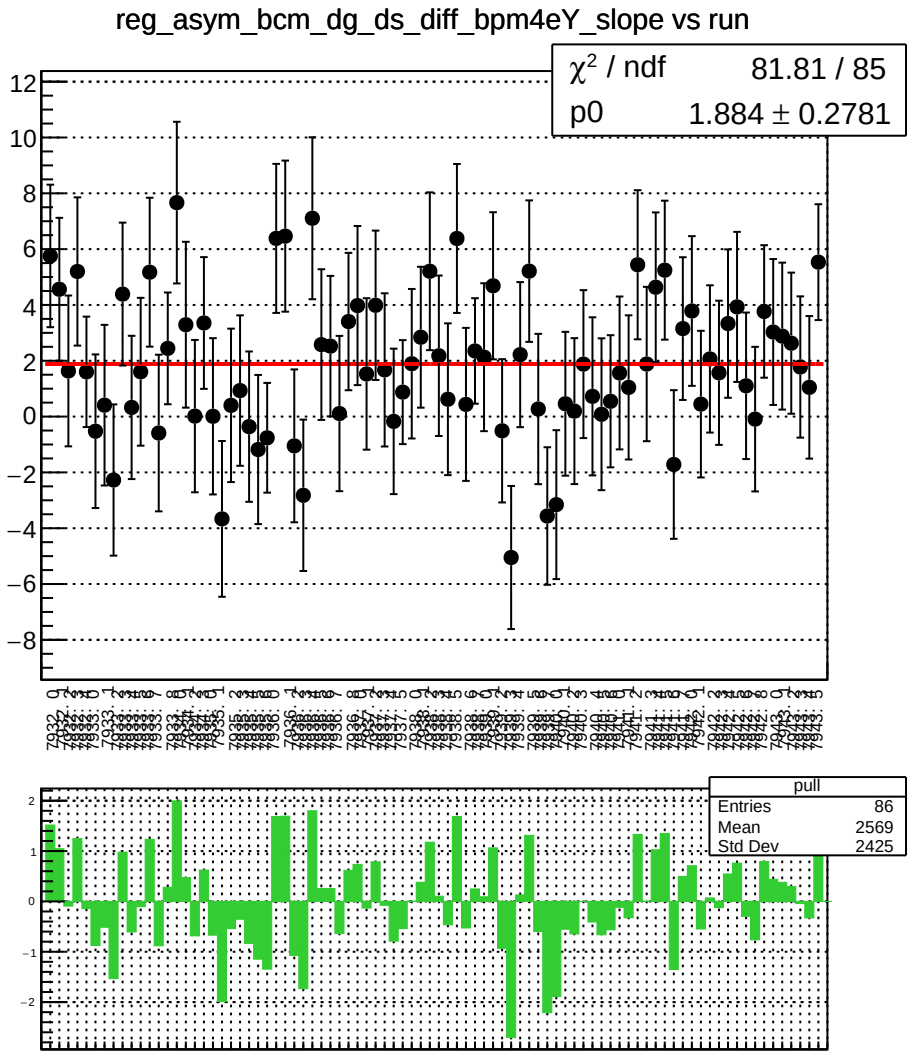

pull1D
Entries 86
Mean 0.02657
Std Dev 1.038

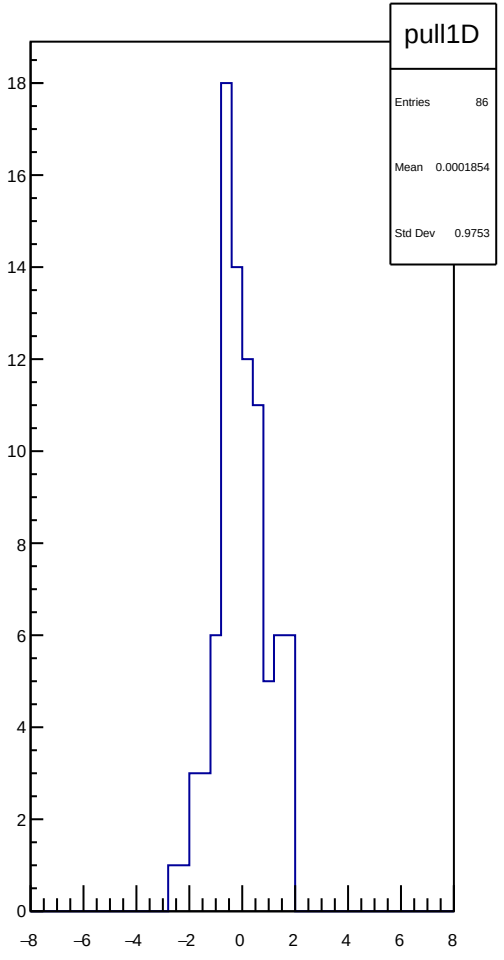

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 148 / 85
p0 12.35 ± 0.2314
pull
Entries 86
Mean −134.9
Std Dev 181.8
pull1D
Entries 86
Mean 0.07879
Std Dev 1.309

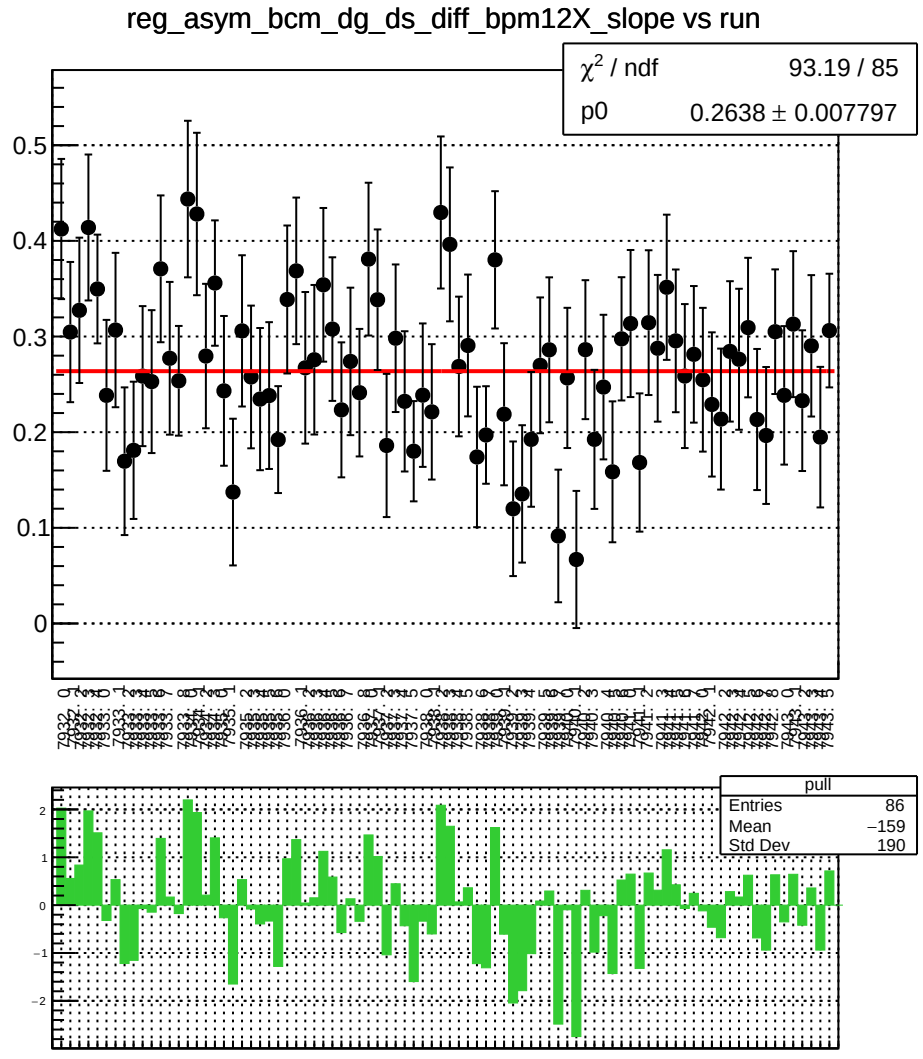

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 81.23 / 85
p0 −2.408 ± 0.2412
pull
Entries 86
Mean 1449
Std Dev 1348

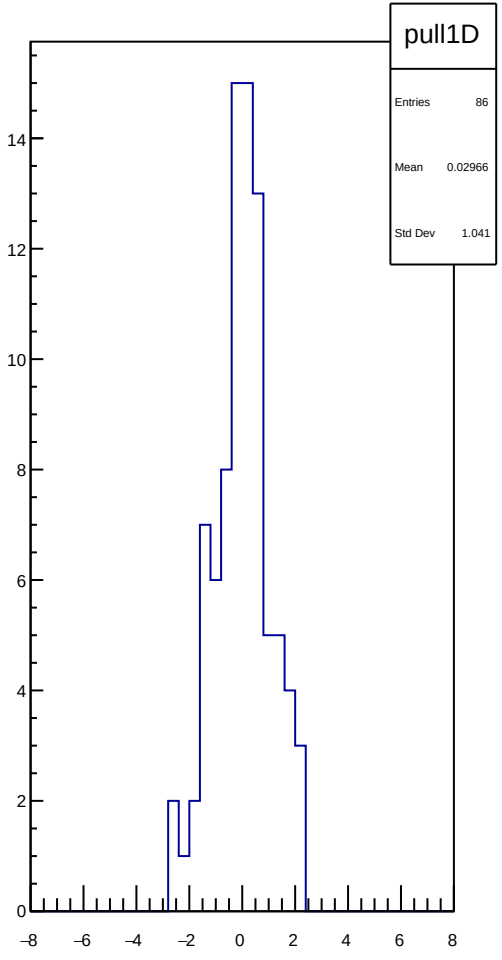

pull1D
Entries 86
Mean −0.0007193
Std Dev 0.9719

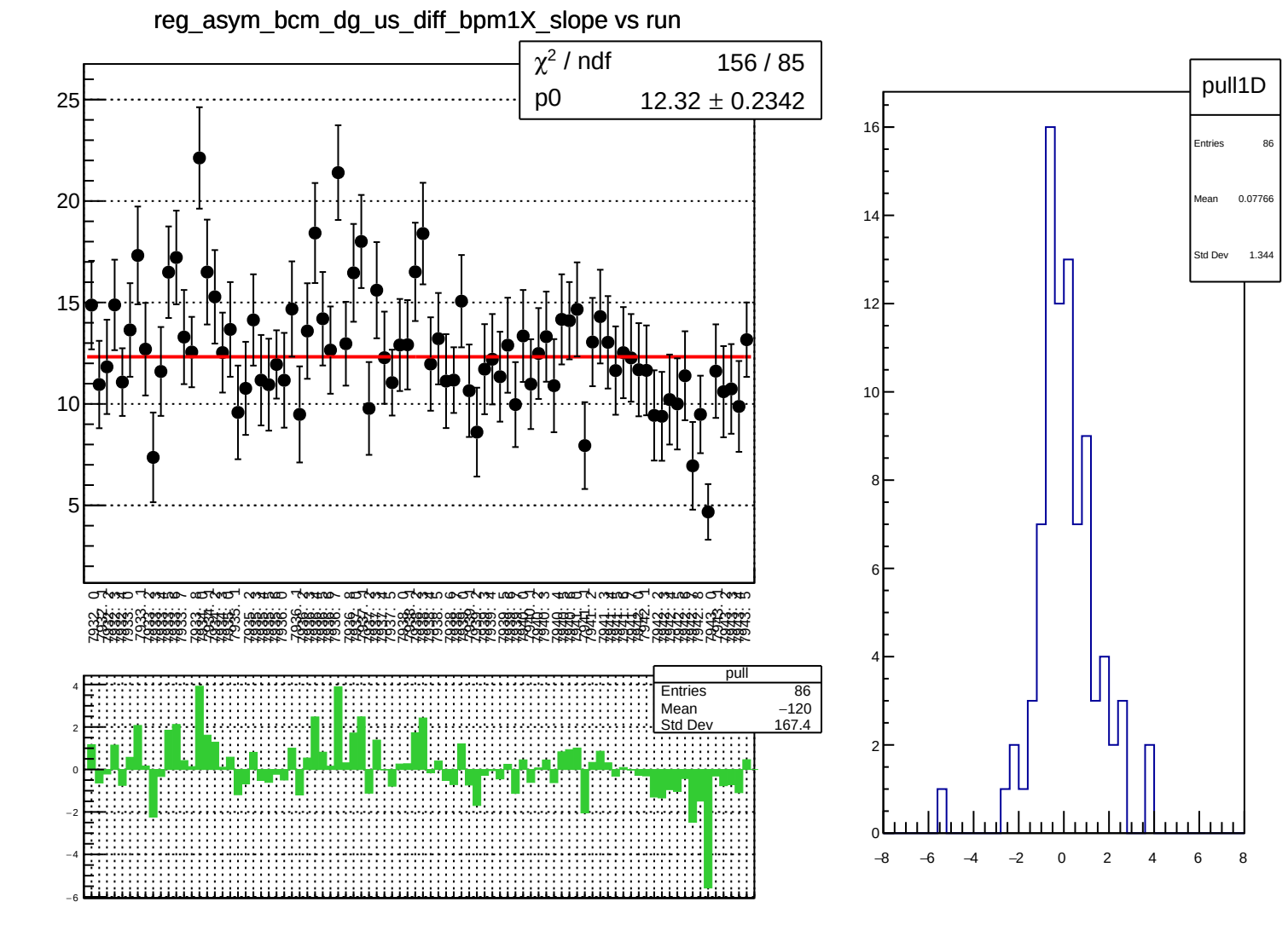

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 149.4 / 85
p0 −11.18 ± 0.2081
pull
Entries 86
Mean −129.1
Std Dev 176.5
pull1D
Entries 86
Mean −0.08099
Std Dev 1.315

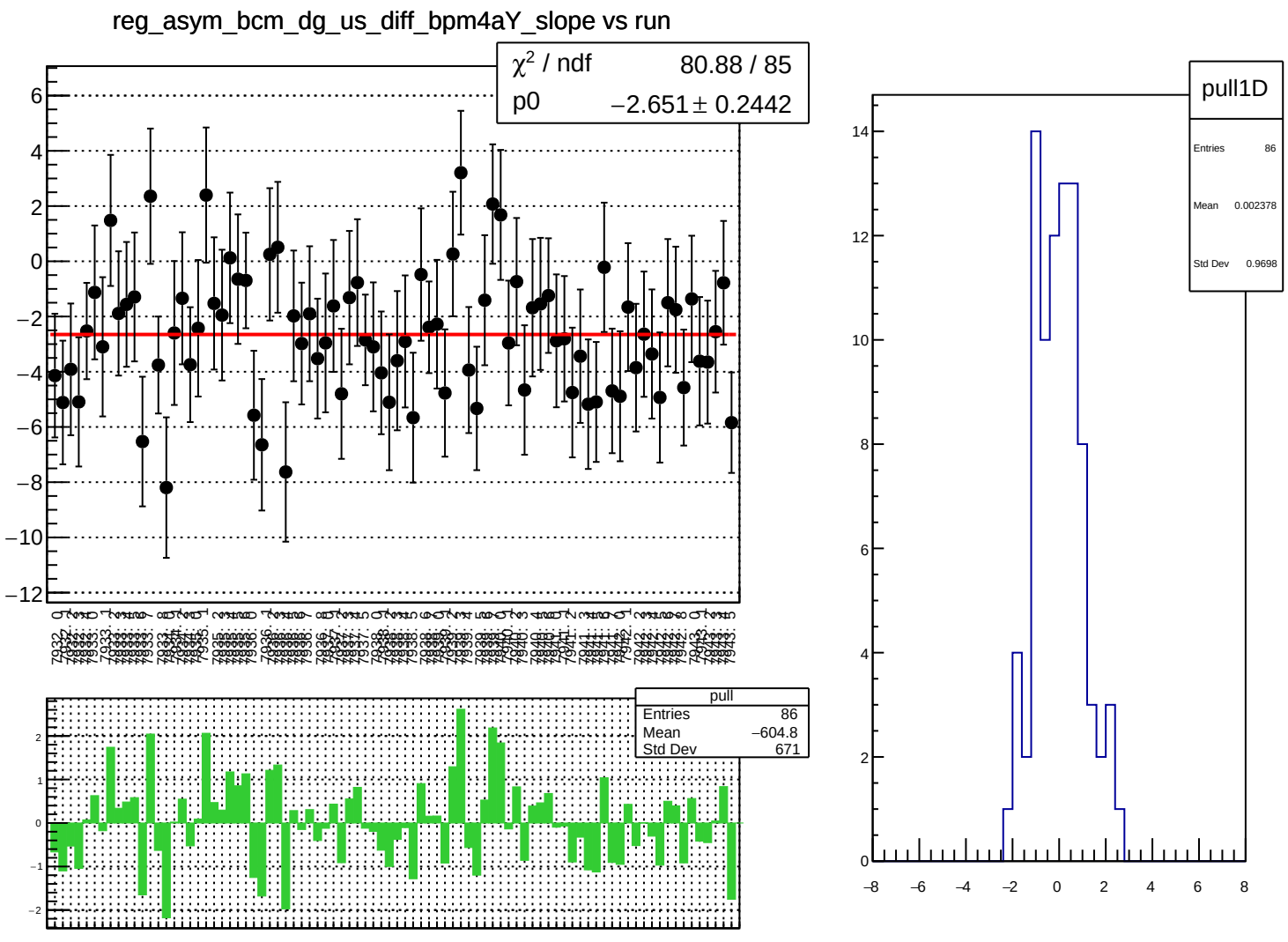

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 81.81 / 85
p0 1.884 ± 0.2781
pull
Entries 86
Mean 2569
Std Dev 2425

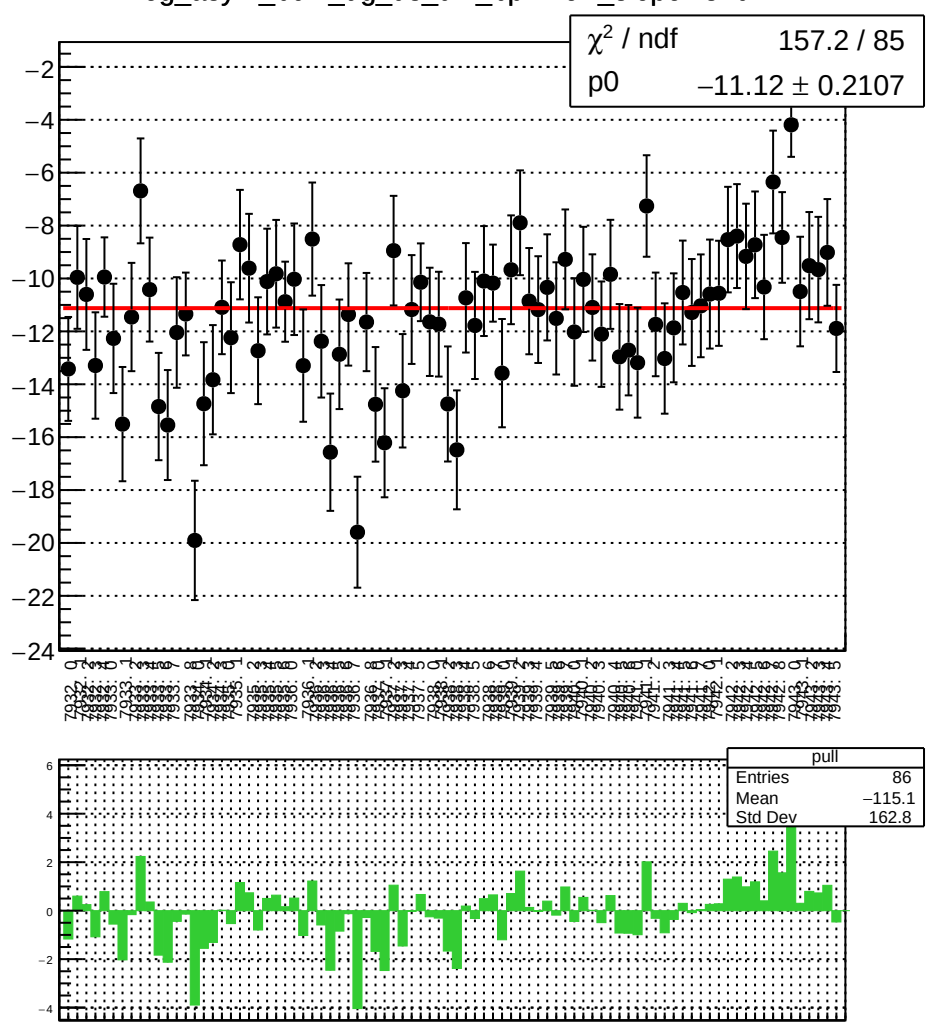

pull1D
Entries 86
Mean 0.0001854
Std Dev 0.9753

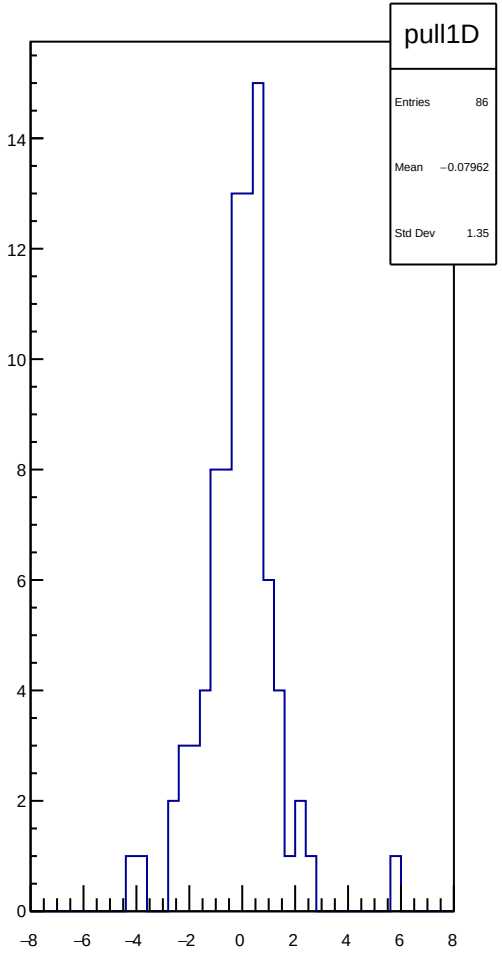

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 93.19 / 85
p0 0.2638 ± 0.007797
pull
Entries 86
Mean −159
Std Dev 190

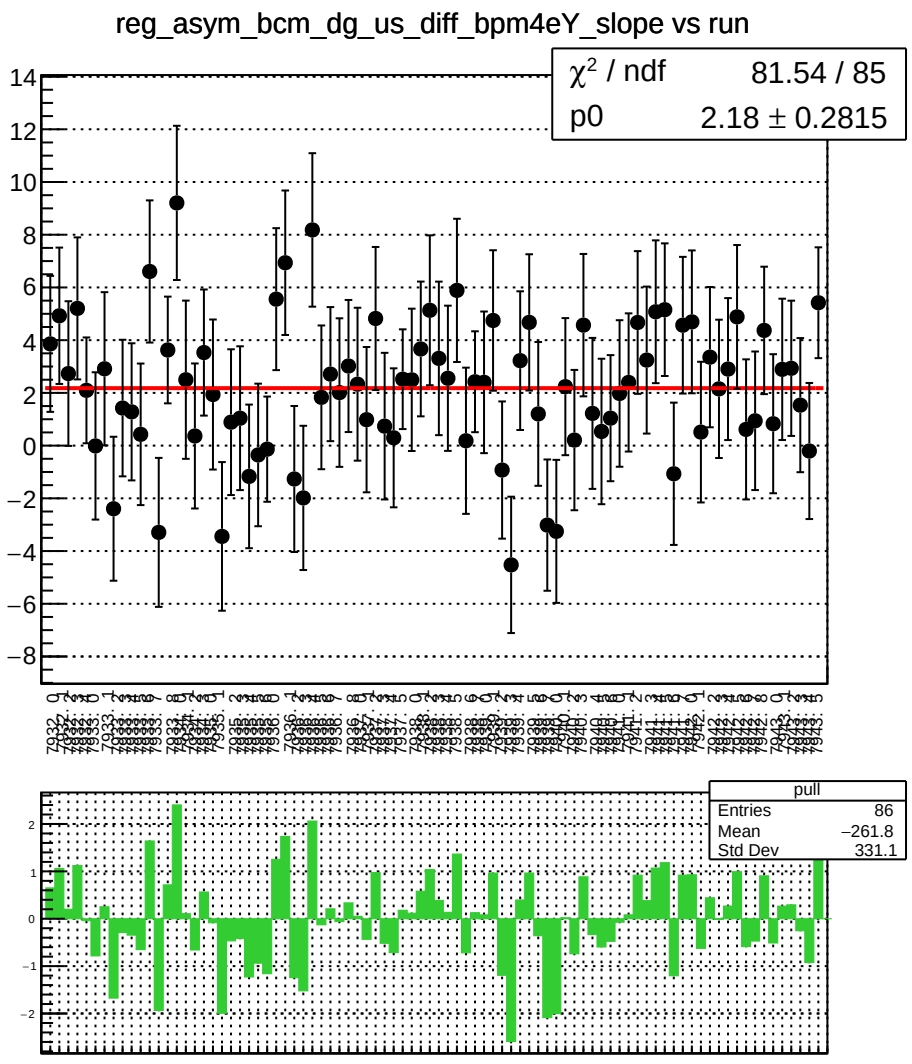

pull1D
Entries 86
Mean 0.02966
Std Dev 1.041

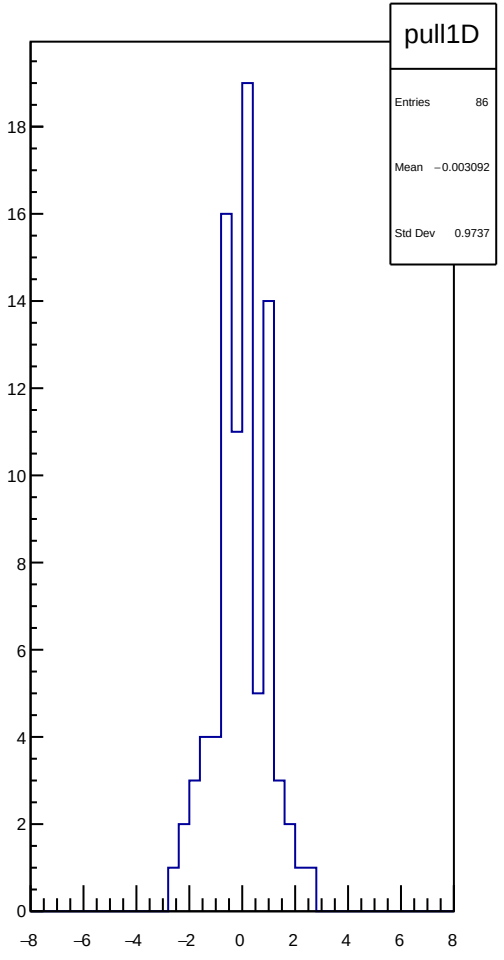

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 156 / 85
p0 12.32 ± 0.2342
pull
Entries 86
Mean −120
Std Dev 167.4
pull1D
Entries 86
Mean 0.07766
Std Dev 1.344

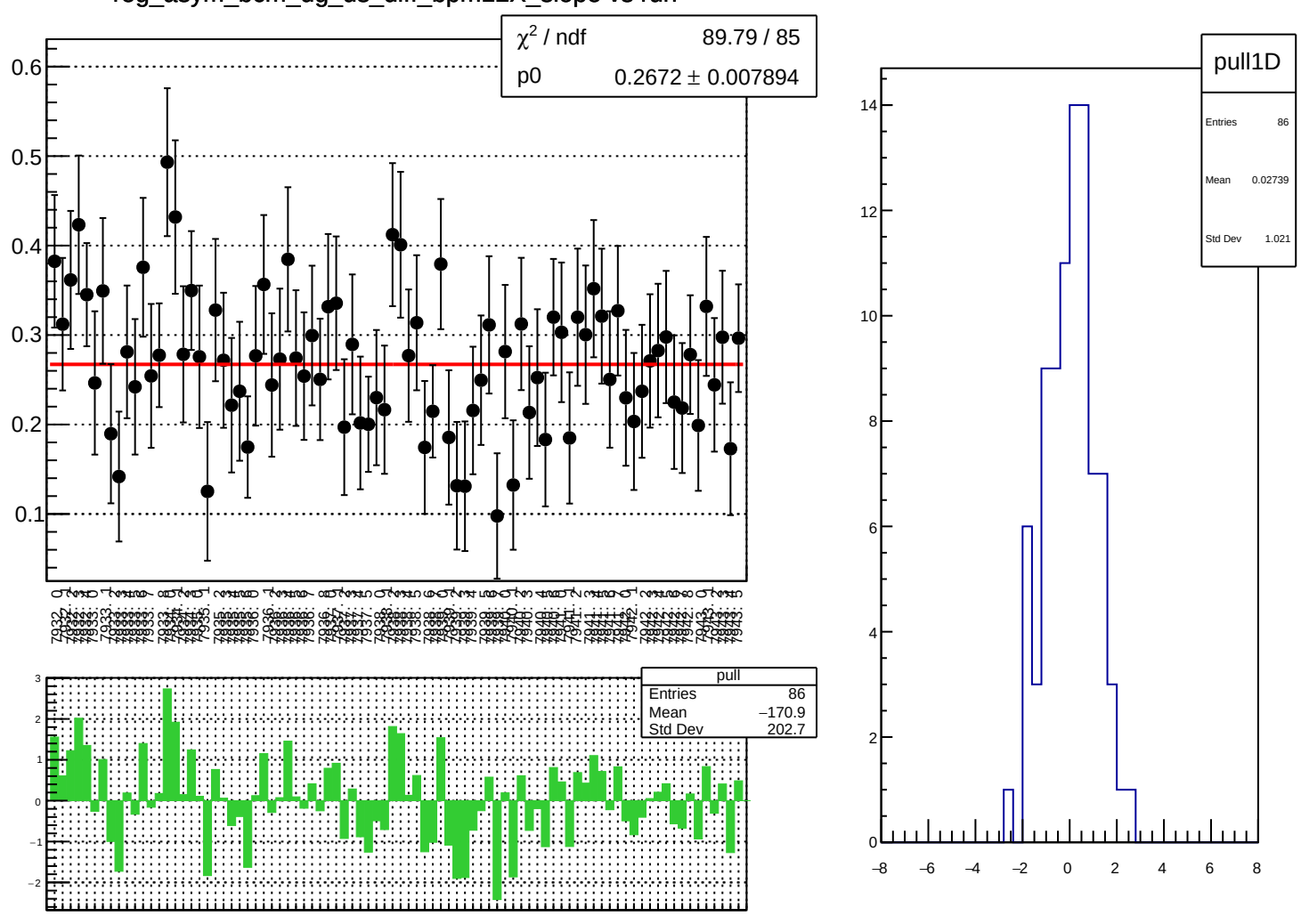

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 80.88 / 85
p0 −2.651 ± 0.2442
pull
Entries 86
Mean −604.8
Std Dev 671
pull1D
Entries 86
Mean 0.002378
Std Dev 0.9698


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 157.2 / 85
p0 −11.12 ± 0.2107
pull
Entries 86
Mean −115.1
Std Dev 162.8


pull1D
Entries 86
Mean −0.07962
Std Dev 1.35


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 81.54 / 85
p0 2.18 ± 0.2815
pull
Entries 86
Mean −261.8
Std Dev 331.1


pull1D
Entries 86
Mean −0.003092
Std Dev 0.9737


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 89.79 / 85
p0 0.2672 ± 0.007894
pull
Entries 86
Mean −170.9
Std Dev 202.7
pull1D
Entries 86
Mean 0.02739
Std Dev 1.021