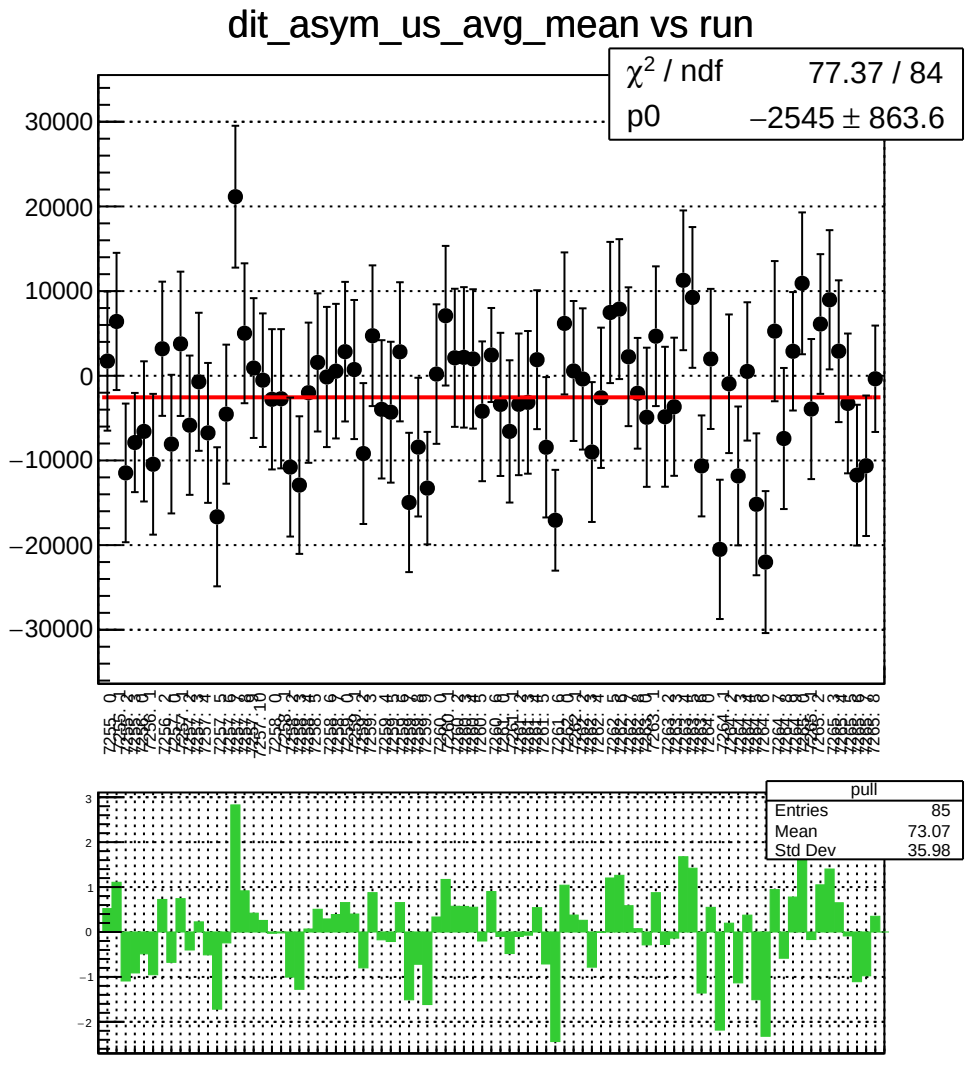
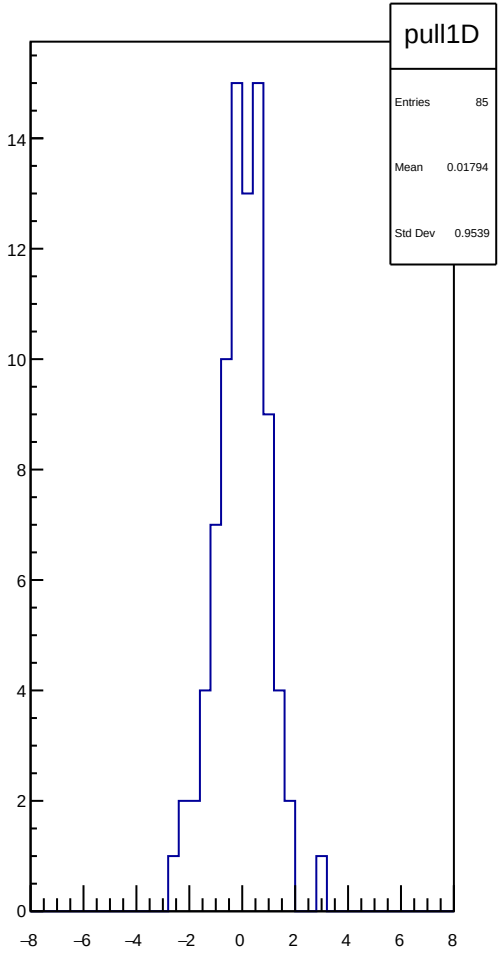
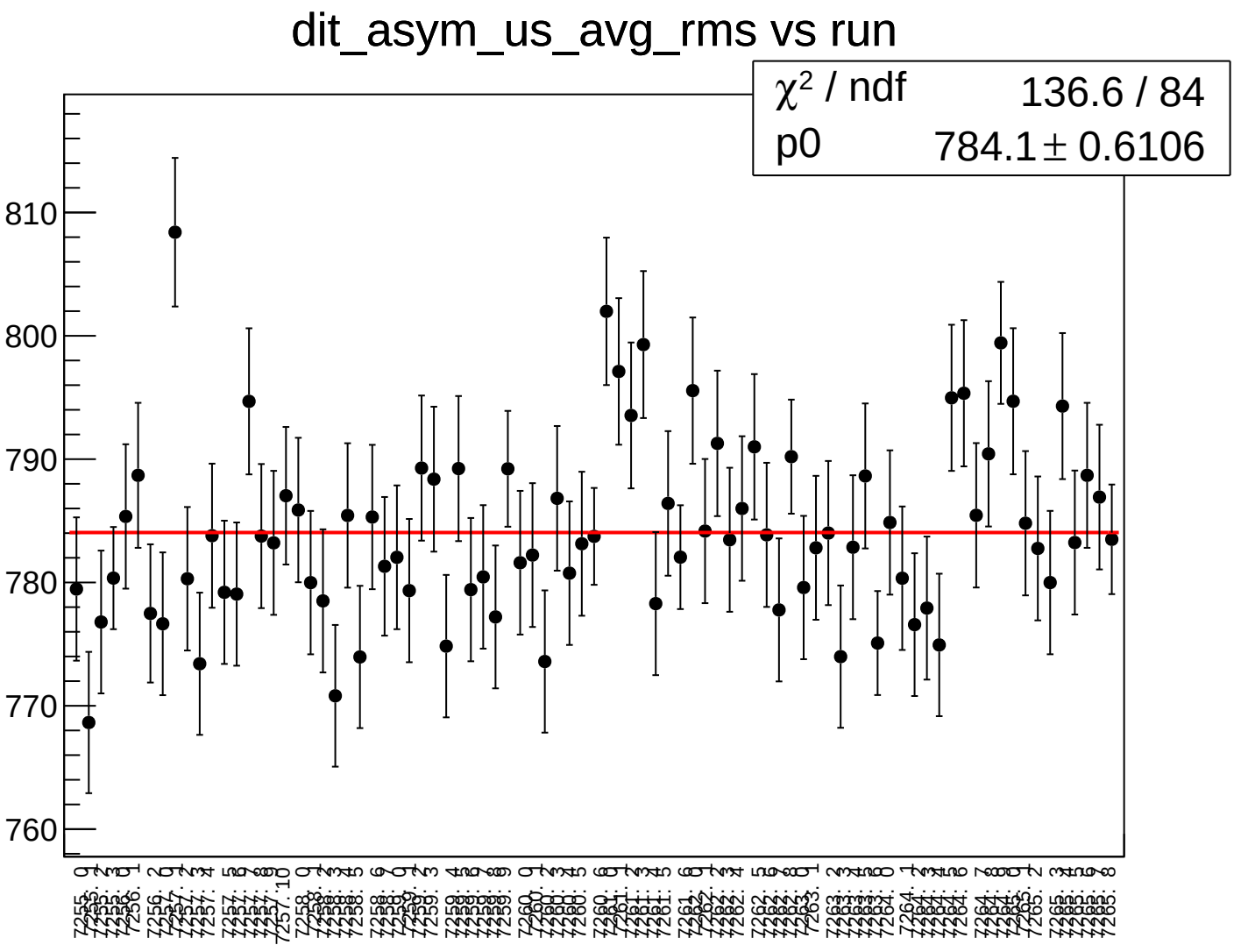
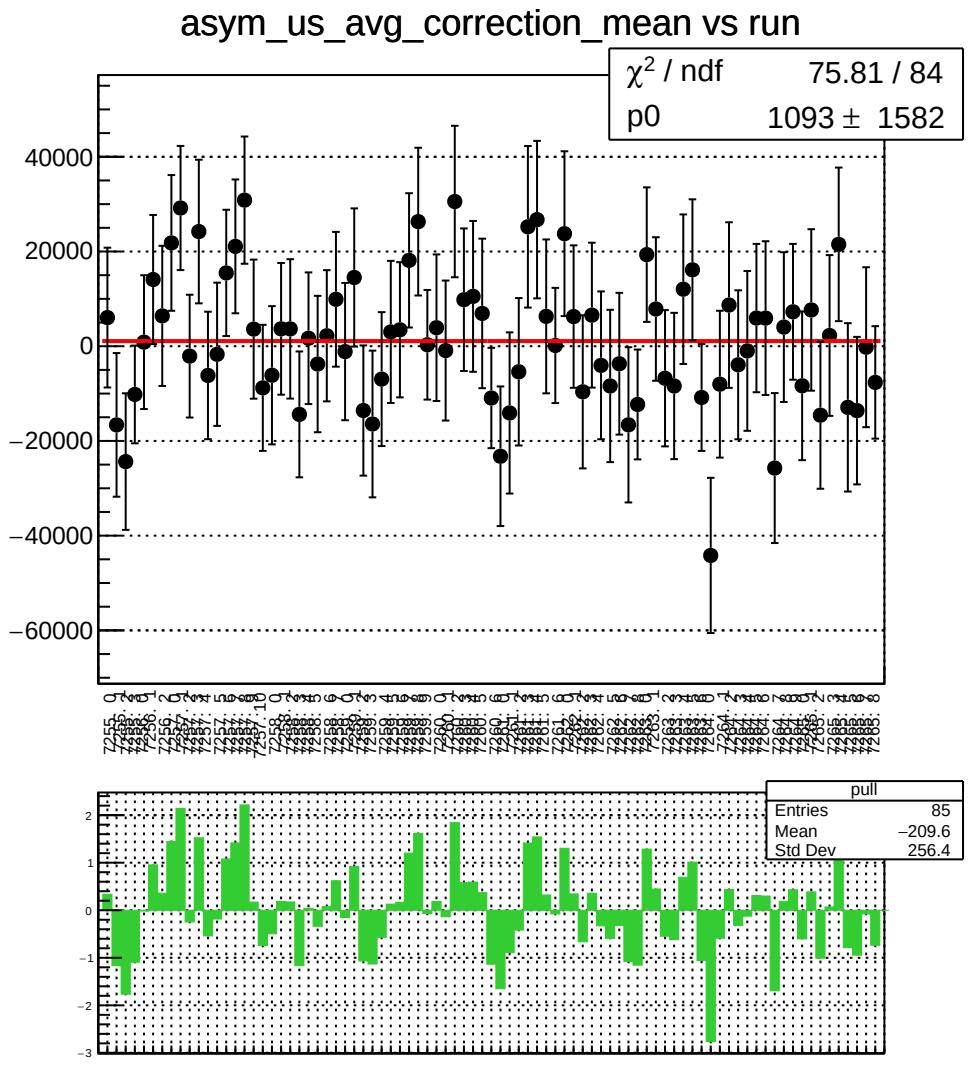
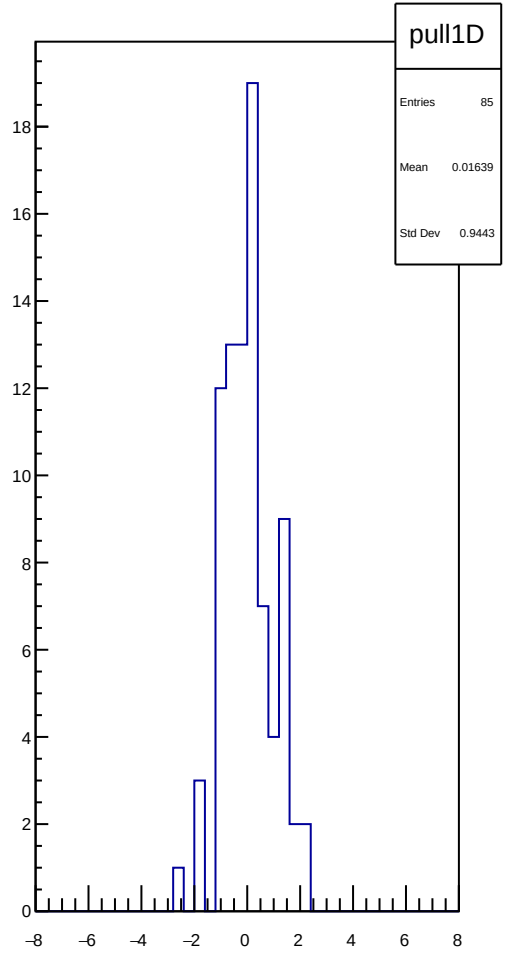
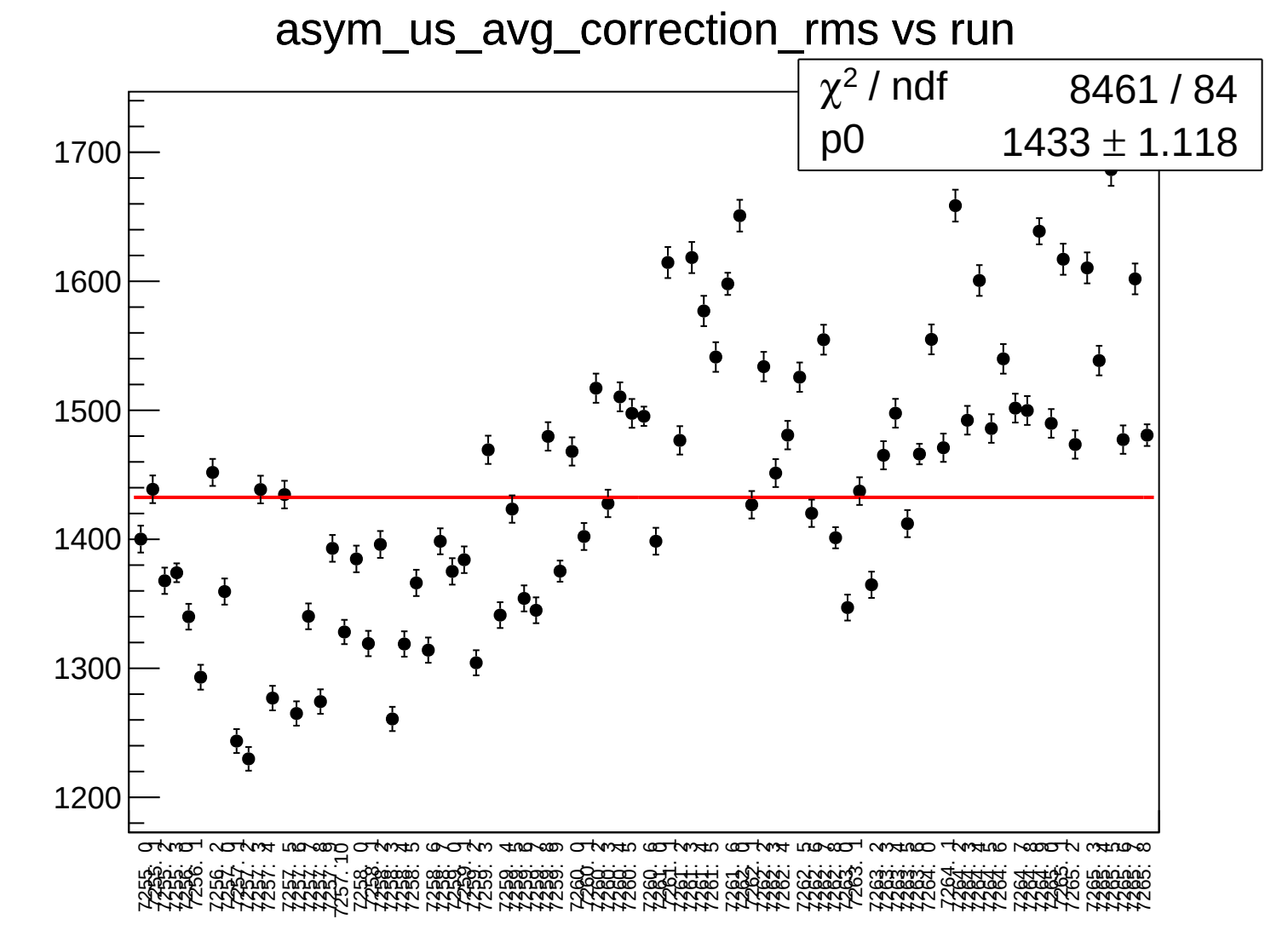

dit_asym_us_avg_mean vs run
χ² / ndf 77.37 / 84
p0 −2545 ± 863.6
pull
Entries 85
Mean 73.07
Std Dev 35.98

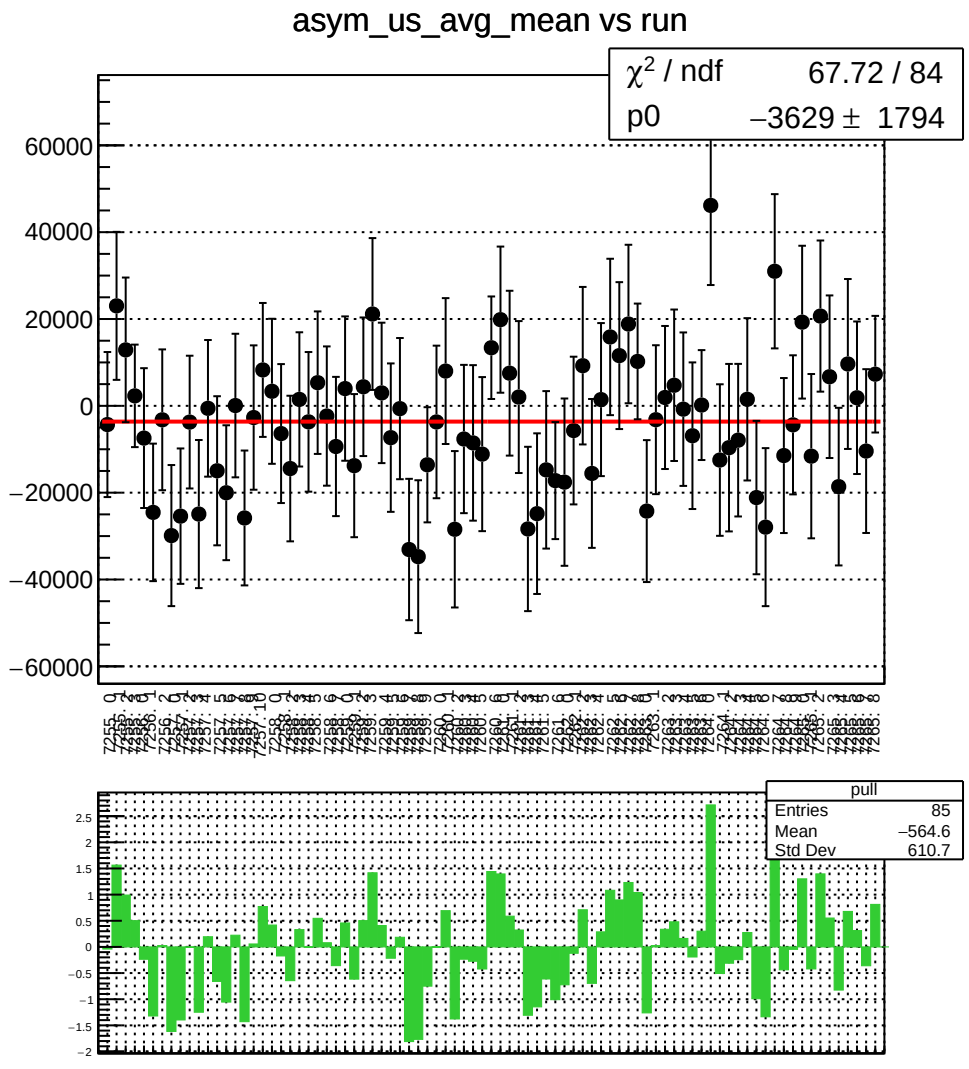

pull1D
Entries 85
Mean 0.01794
Std Dev 0.9539

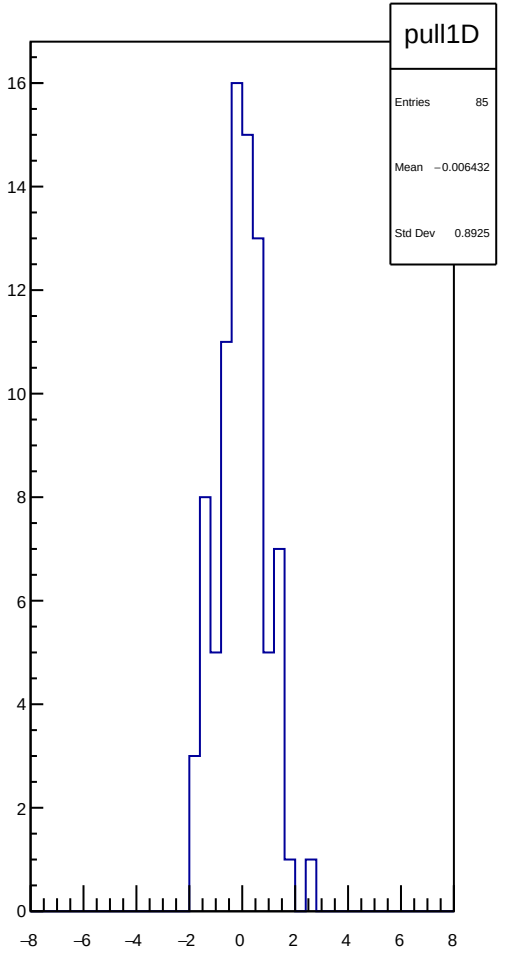

dit_asym_us_avg_rms vs run
χ² / ndf 136.6 / 84
p0 784.1 ± 0.6106
810
800
790
780
770
760

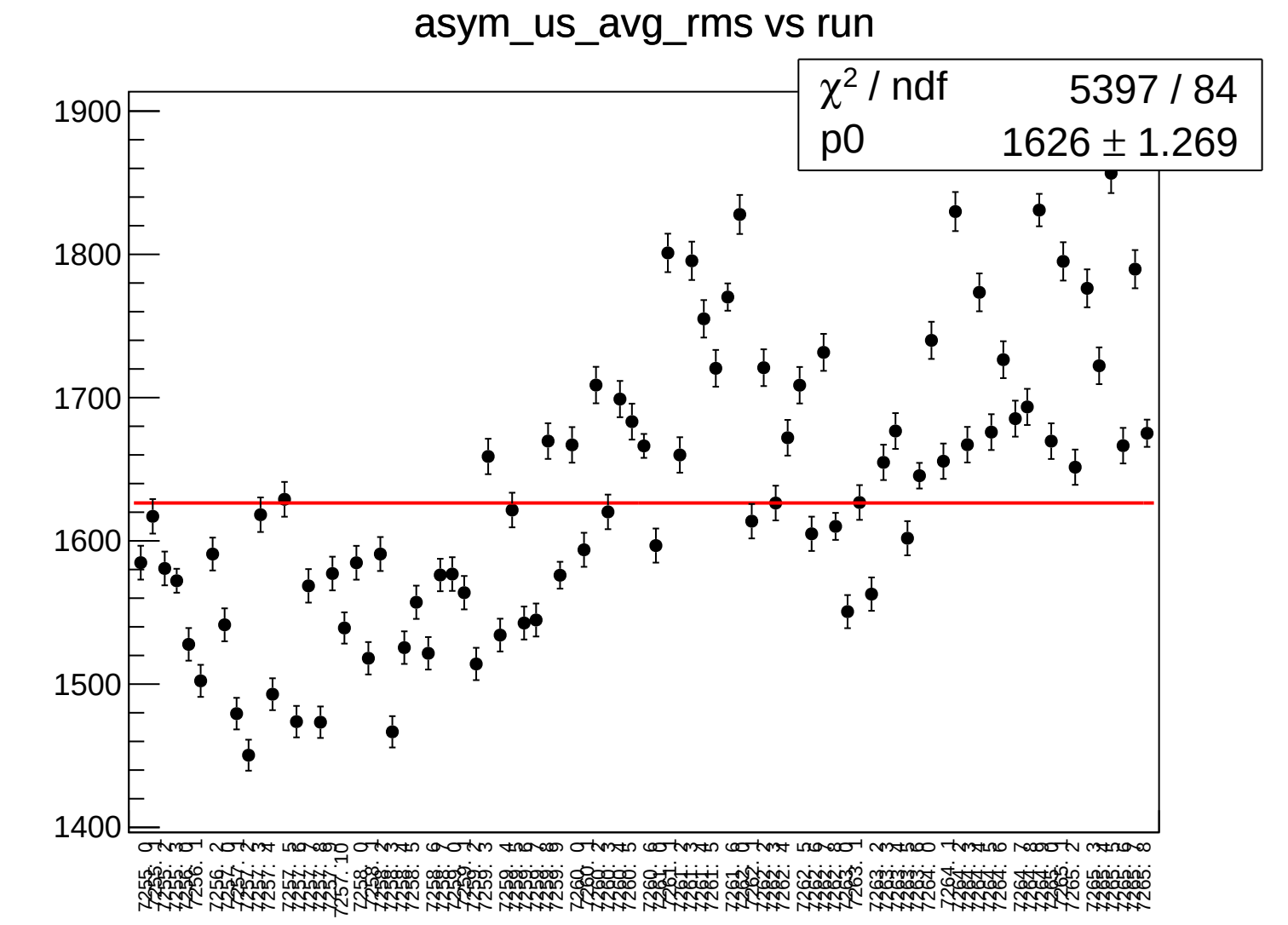

asym_us_avg_correction_mean vs run
χ² / ndf 75.81 / 84
p0 1093 ± 1582
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −209.6
Std Dev 256.4
2
1
0
−1
−2
−3

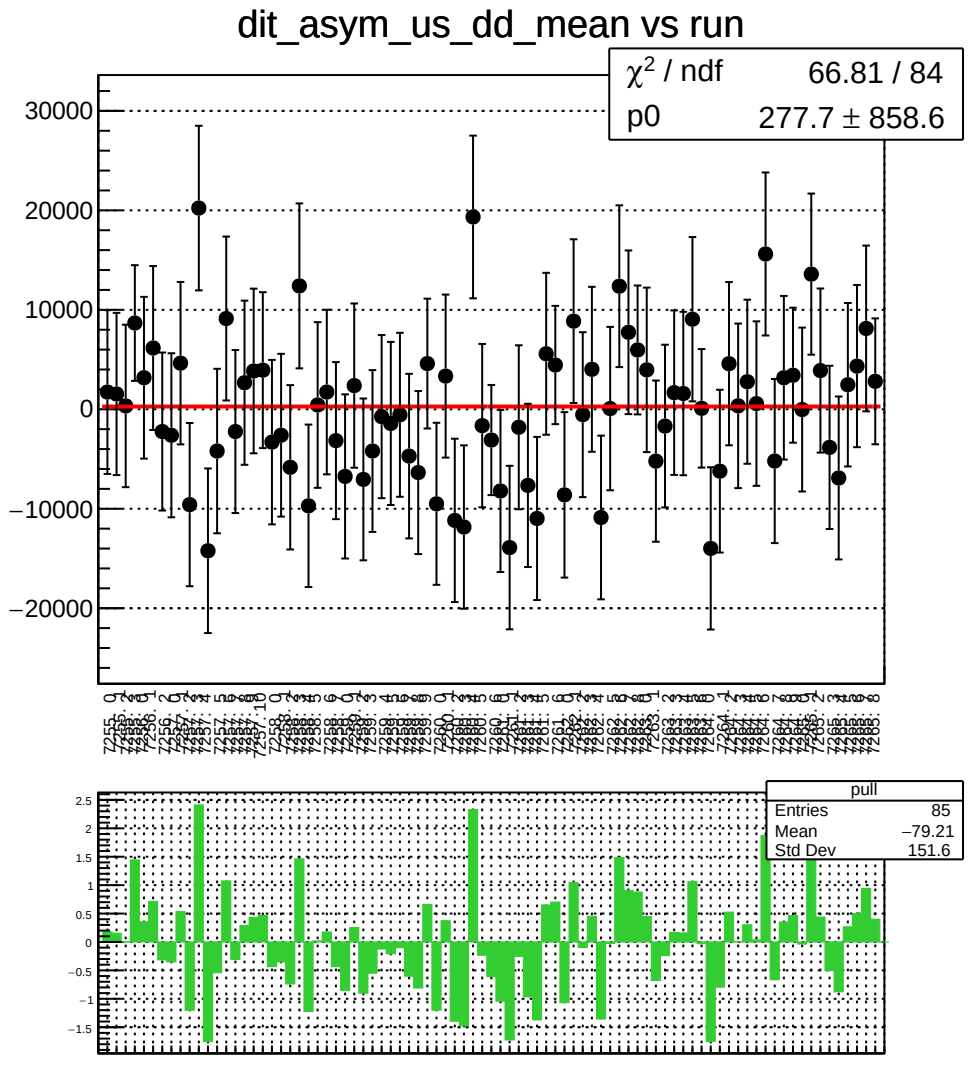

pull1D
Entries 85
Mean 0.01639
Std Dev 0.9443
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

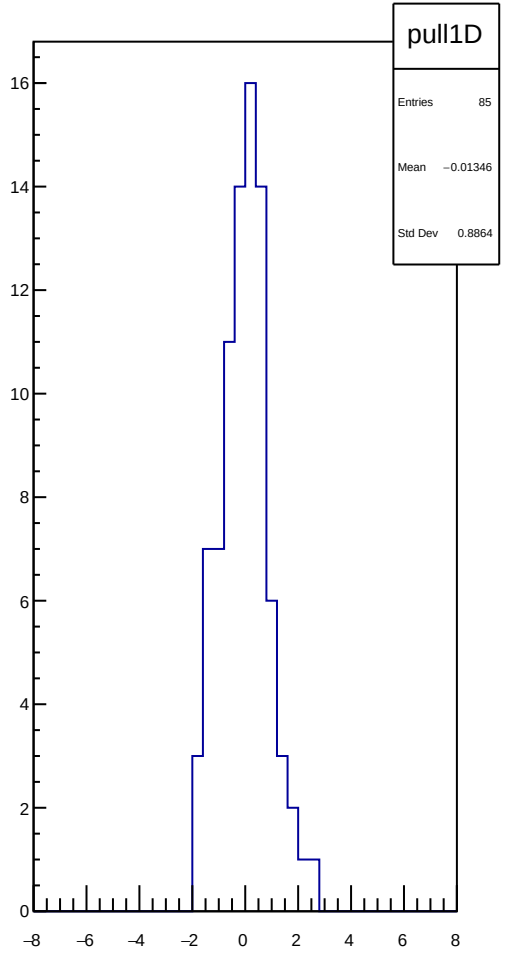

asym_us_avg_correction_rms vs run
χ² / ndf 8461 / 84
p0 1433 ± 1.118
1700
1600
1500
1400
1300
1200

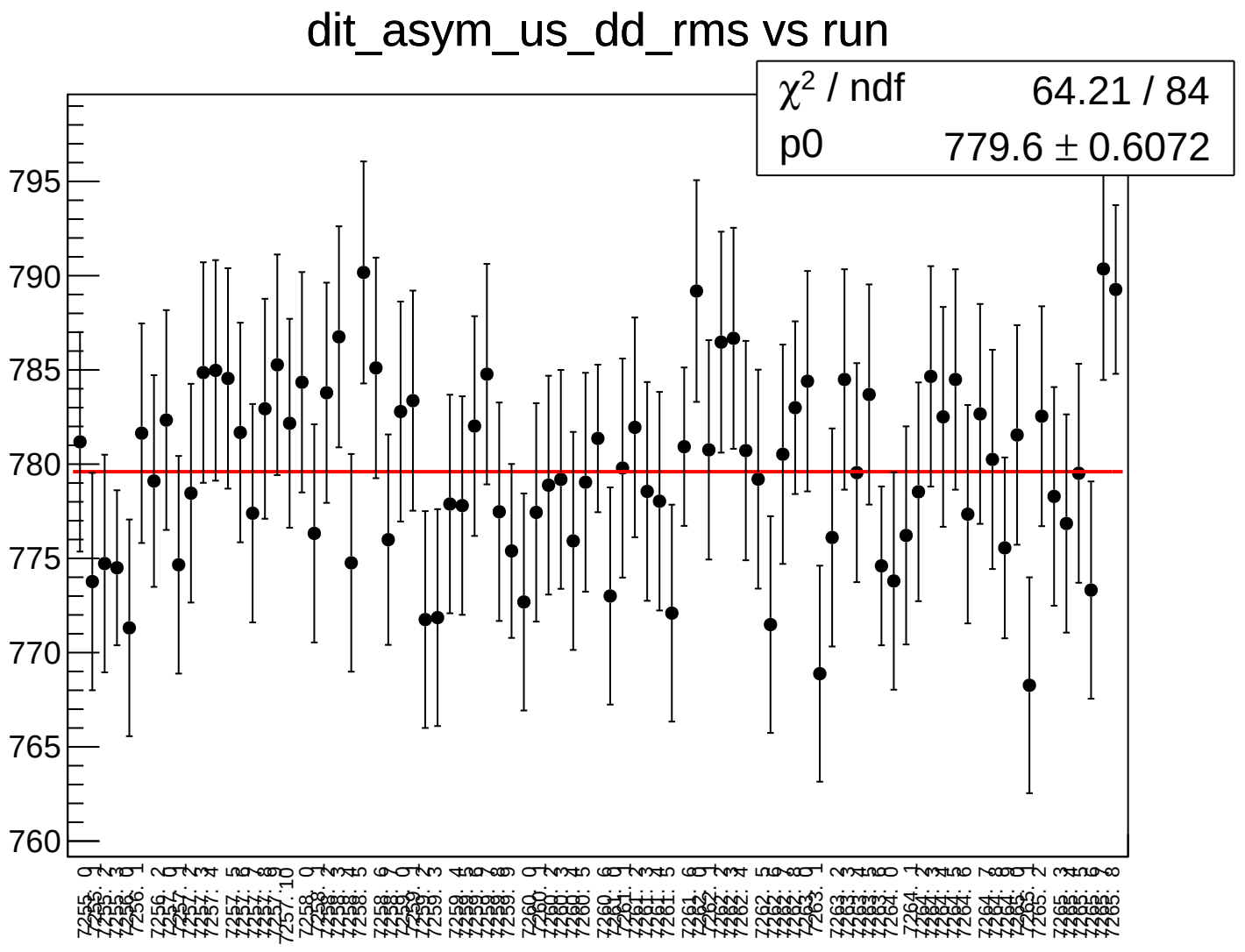

asym_us_avg_mean vs run
χ² / ndf 67.72 / 84
p0 −3629 ± 1794
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −564.6
Std Dev 610.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

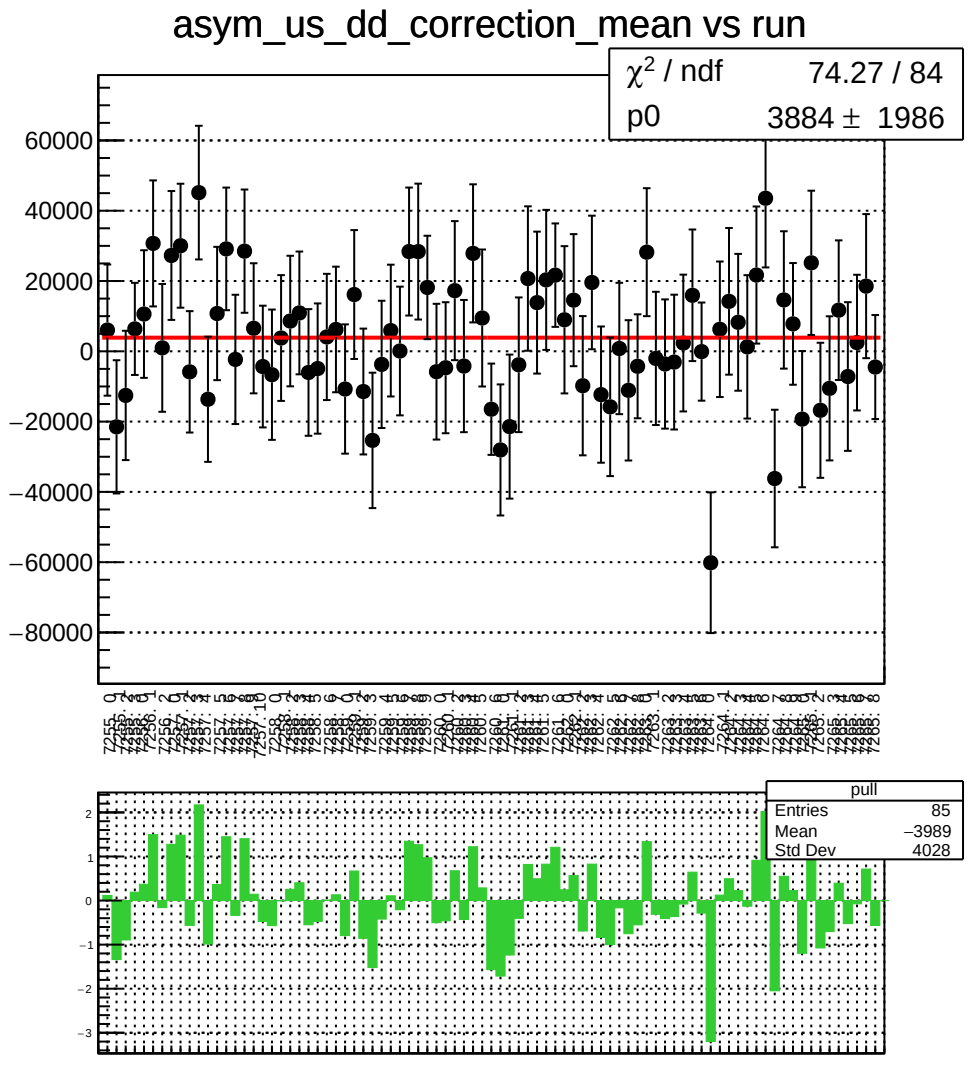

pull1D
Entries 85
Mean −0.006432
Std Dev 0.8925
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

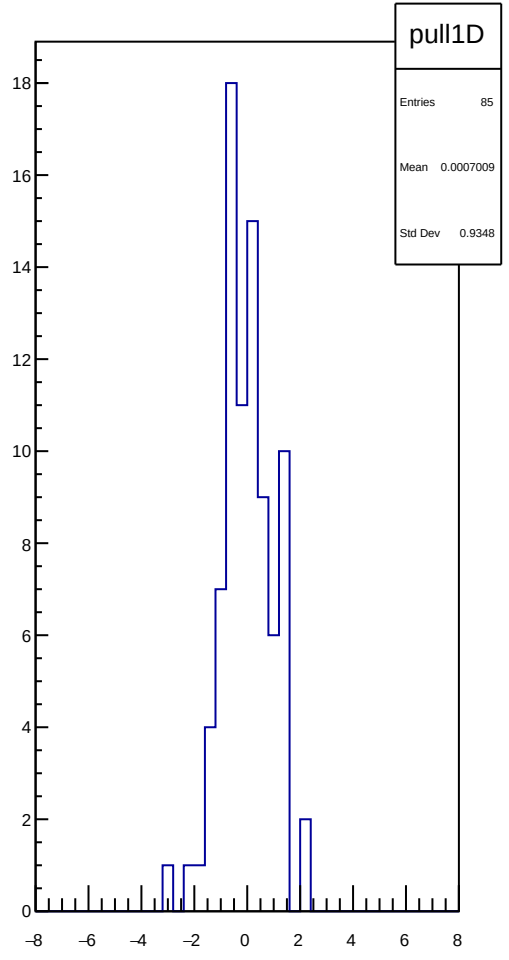

asym_us_avg_rms vs run
χ^2 / ndf 5397 / 84
p0 1626 ± 1.269
1900
1800
1700
1600
1500
1400

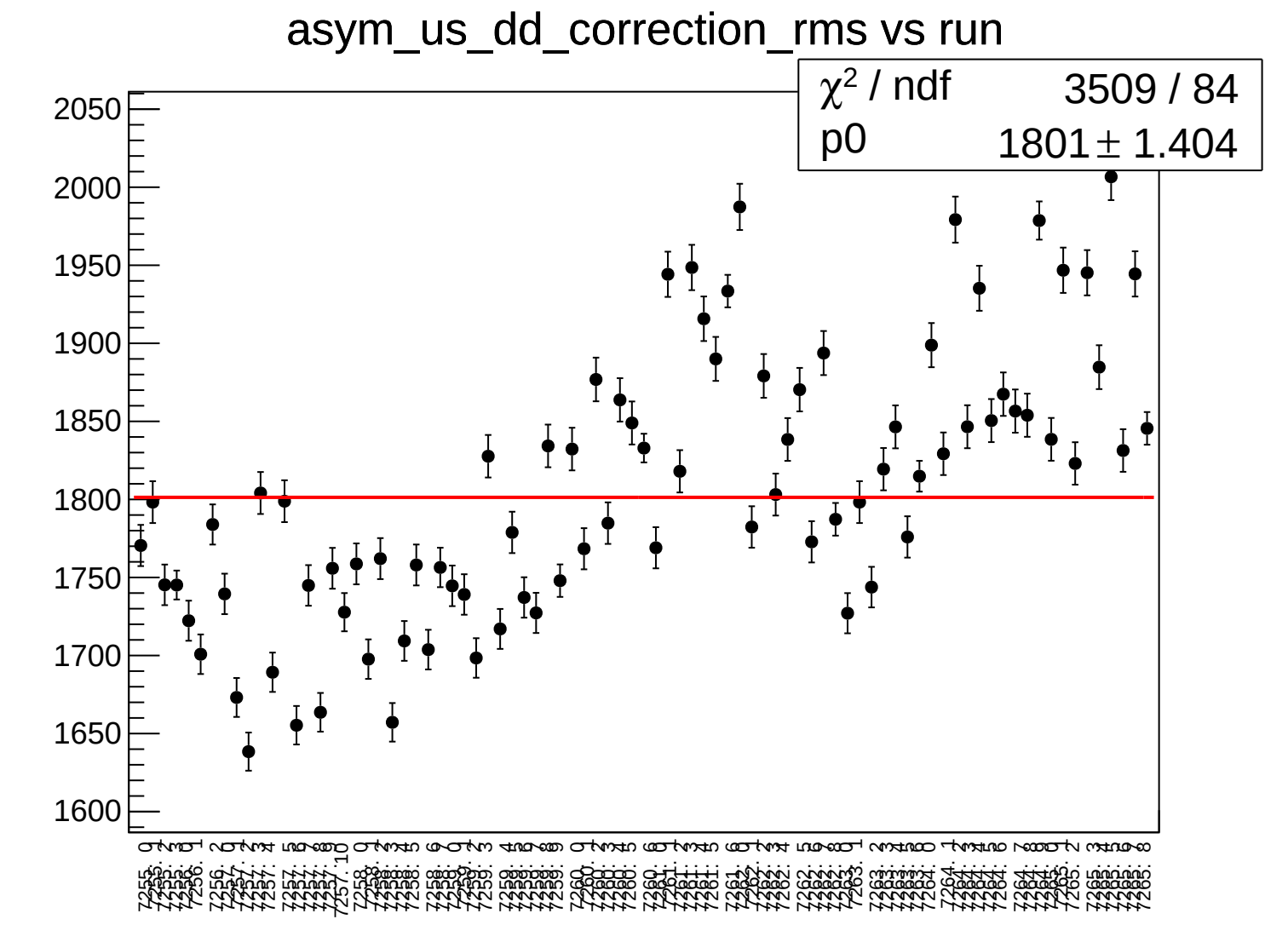

dit_asym_us_dd_mean vs run
χ² / ndf 66.81 / 84
p0 277.7 ± 858.6
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −79.21
Std Dev 151.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

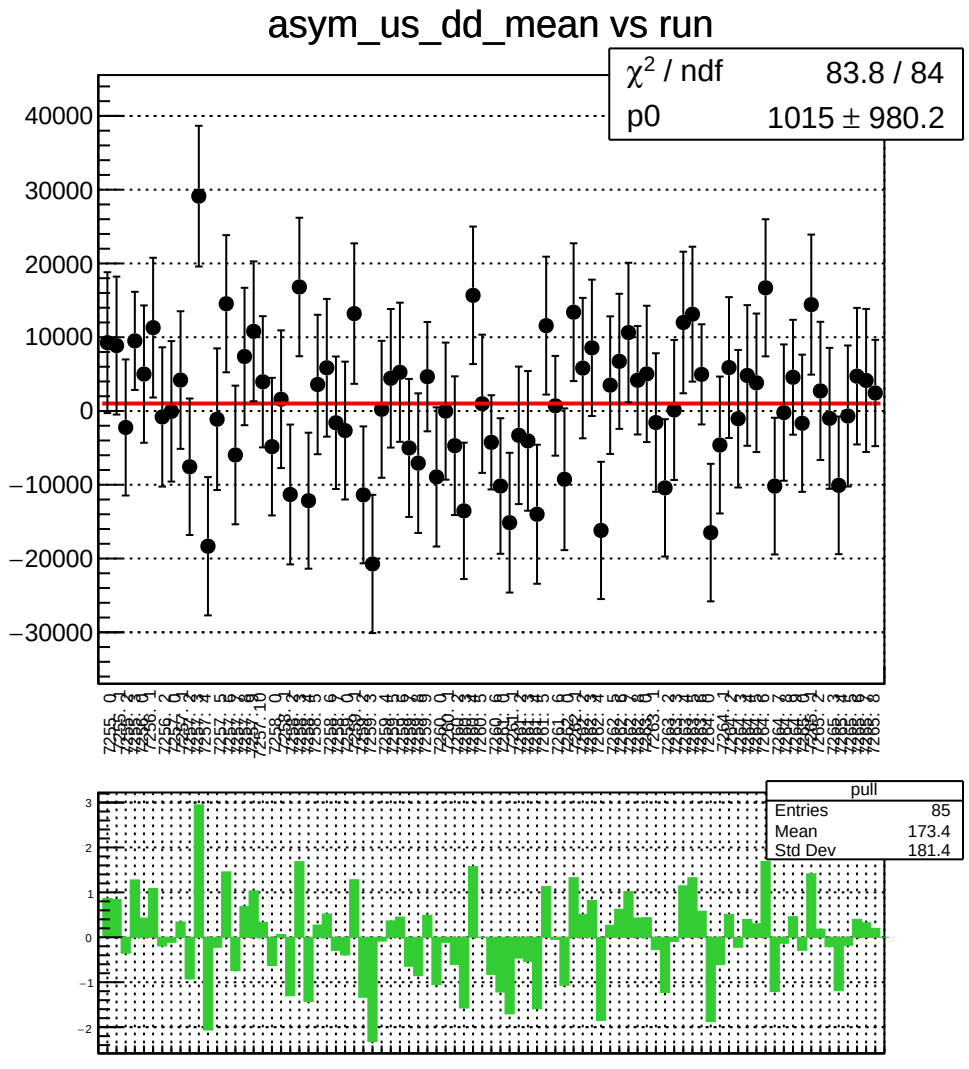

pull1D
Entries 85
Mean −0.01346
Std Dev 0.8864
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

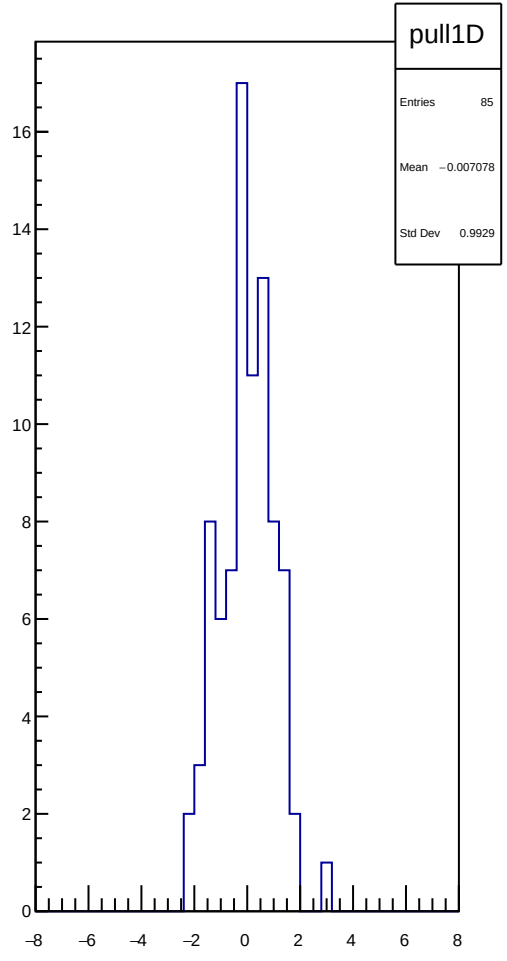

dit_asym_us_dd_rms vs run
χ² / ndf 64.21 / 84
p0 779.6 ± 0.6072
795
790
785
780
775
770
765
760

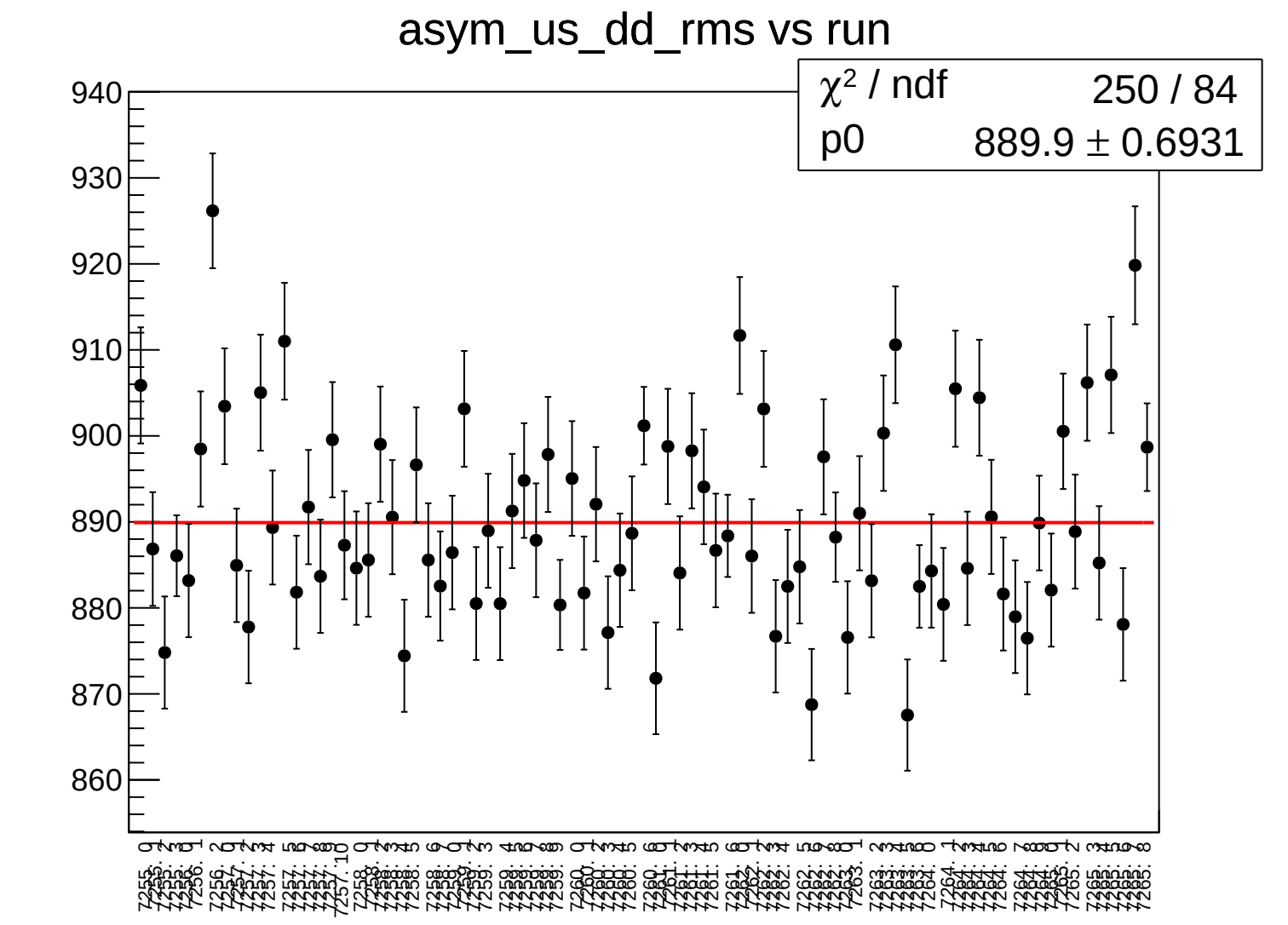

asym_us_dd_correction_mean vs run
χ² / ndf 74.27 / 84
p0 3884 ± 1986
pull
Entries 85
Mean −3989
Std Dev 4028

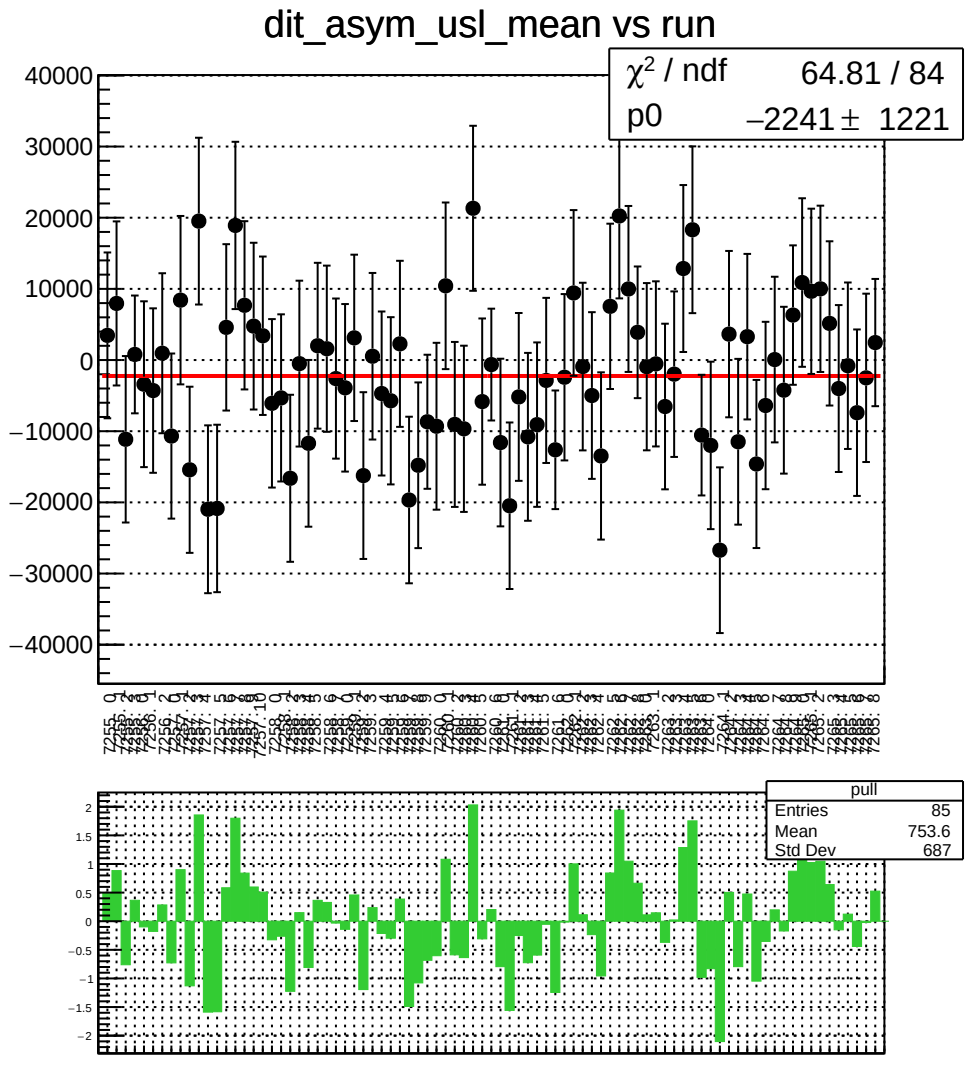

pull1D
Entries 85
Mean 0.0007009
Std Dev 0.9348

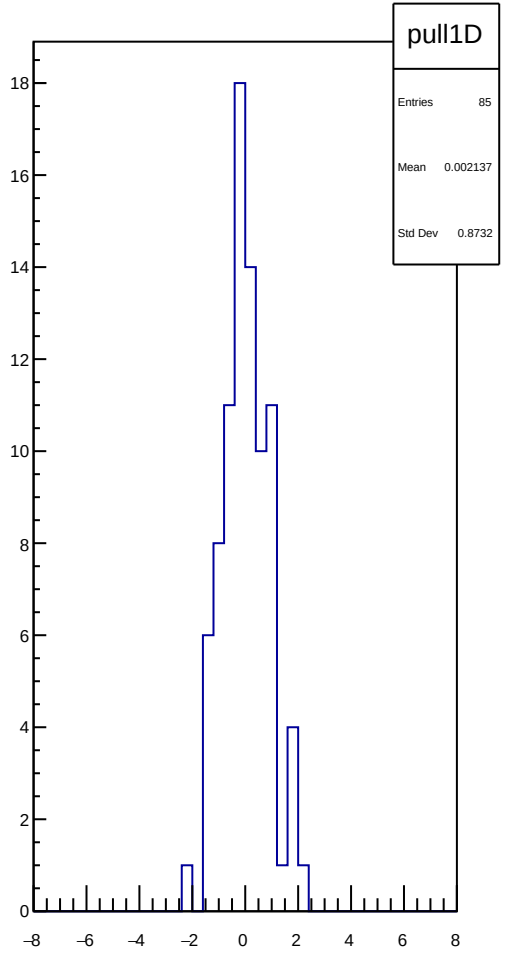

asym_us_dd_correction_rms vs run
χ² / ndf 3509 / 84
p0 1801 ± 1.404
2050
2000
1950
1900
1850
1800
1750
1700
1650
1600

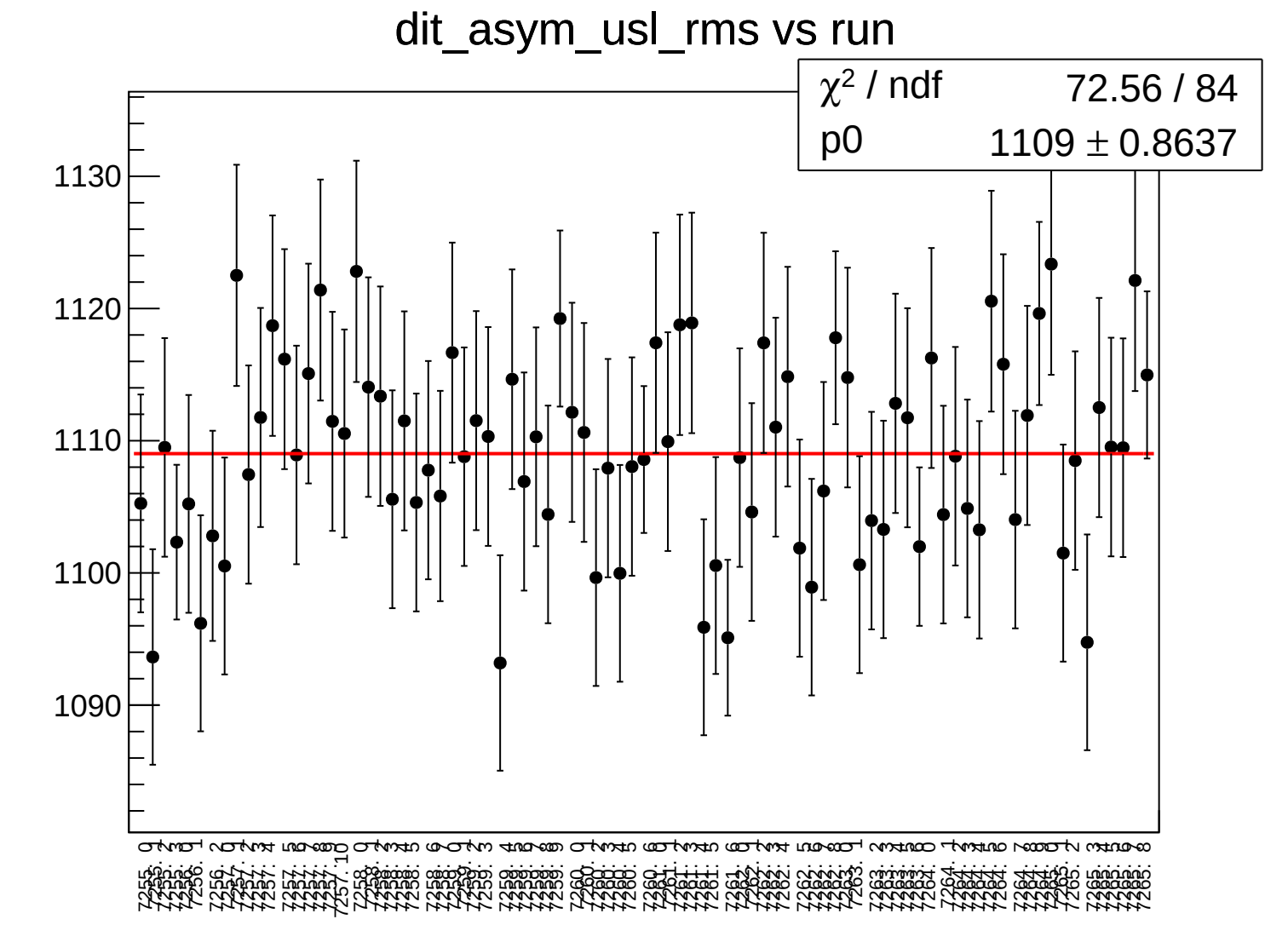

asym_us_dd_mean vs run
χ² / ndf 83.8 / 84
p0 1015 ± 980.2
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 173.4
Std Dev 181.4
3
2
1
0
−1
−2

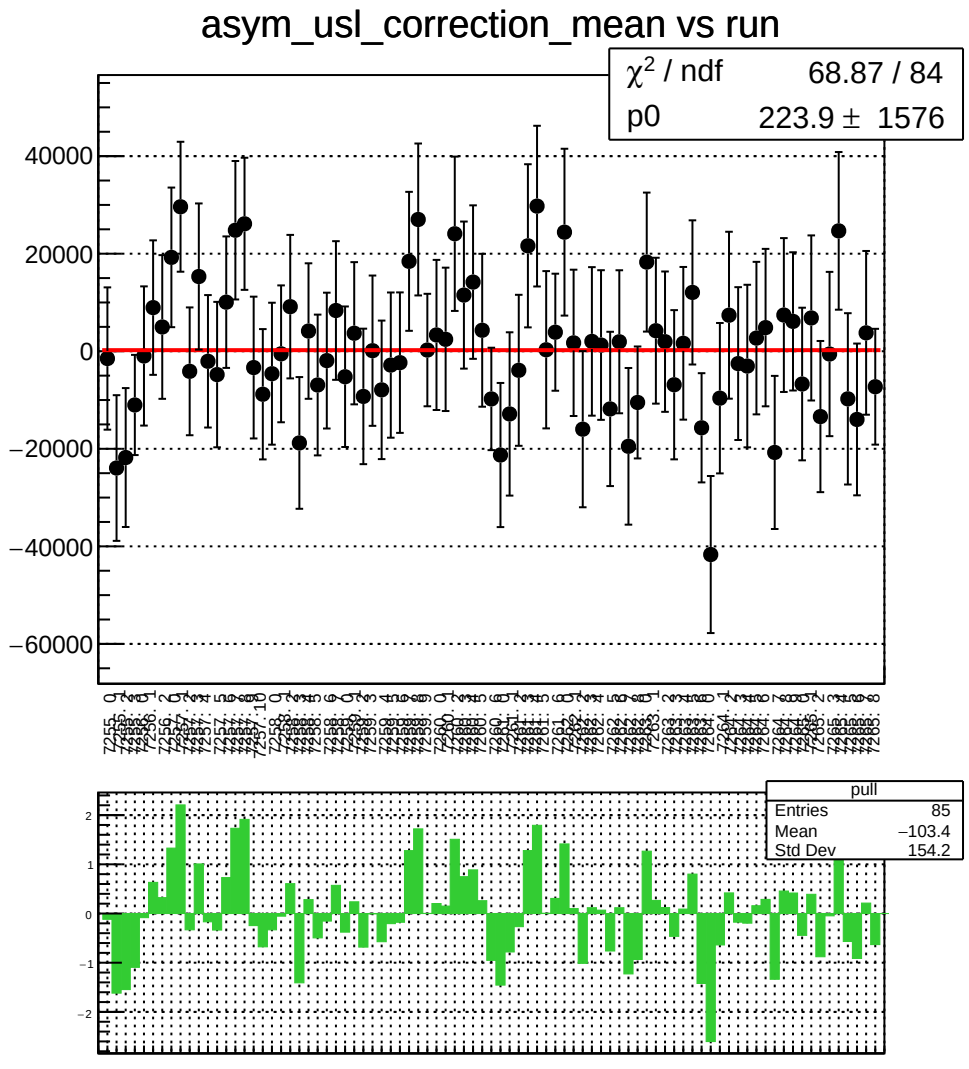

pull1D
Entries 85
Mean −0.007078
Std Dev 0.9929
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

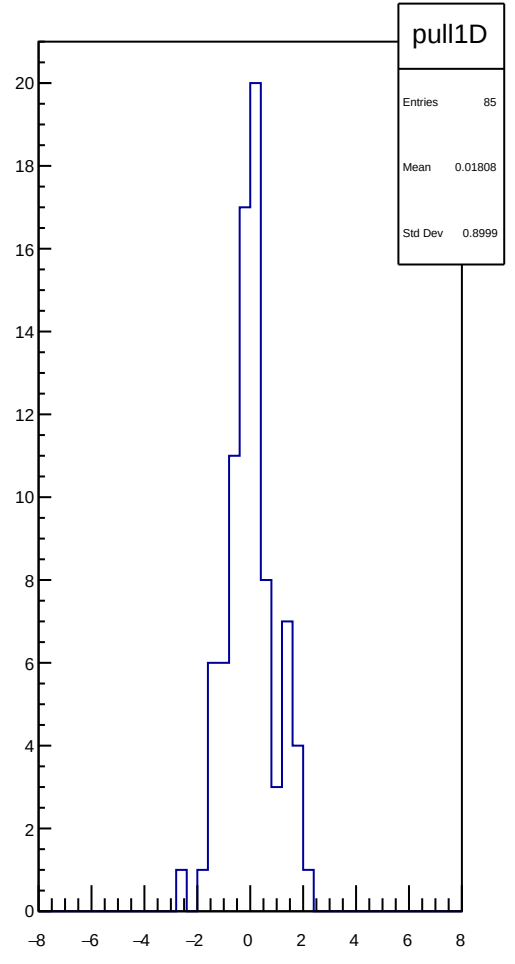

asym_us_dd_rms vs run
χ² / ndf 250 / 84
p0 889.9 ± 0.6931
940
930
920
910
900
890
880
870
860

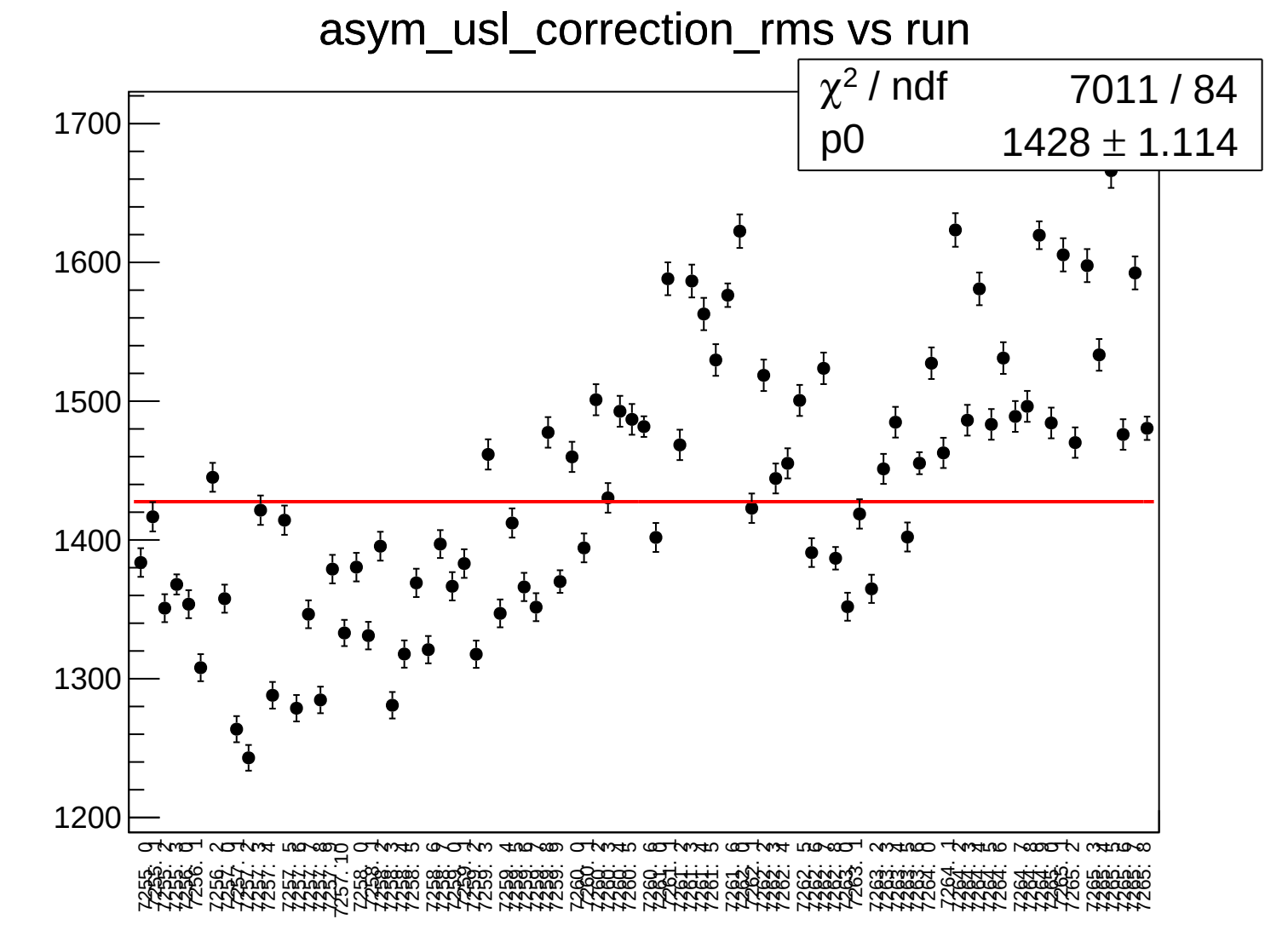

dit_asym_usl_mean vs run
χ² / ndf 64.81 / 84
p0 −2241 ± 1221
pull
Entries 85
Mean 753.6
Std Dev 687

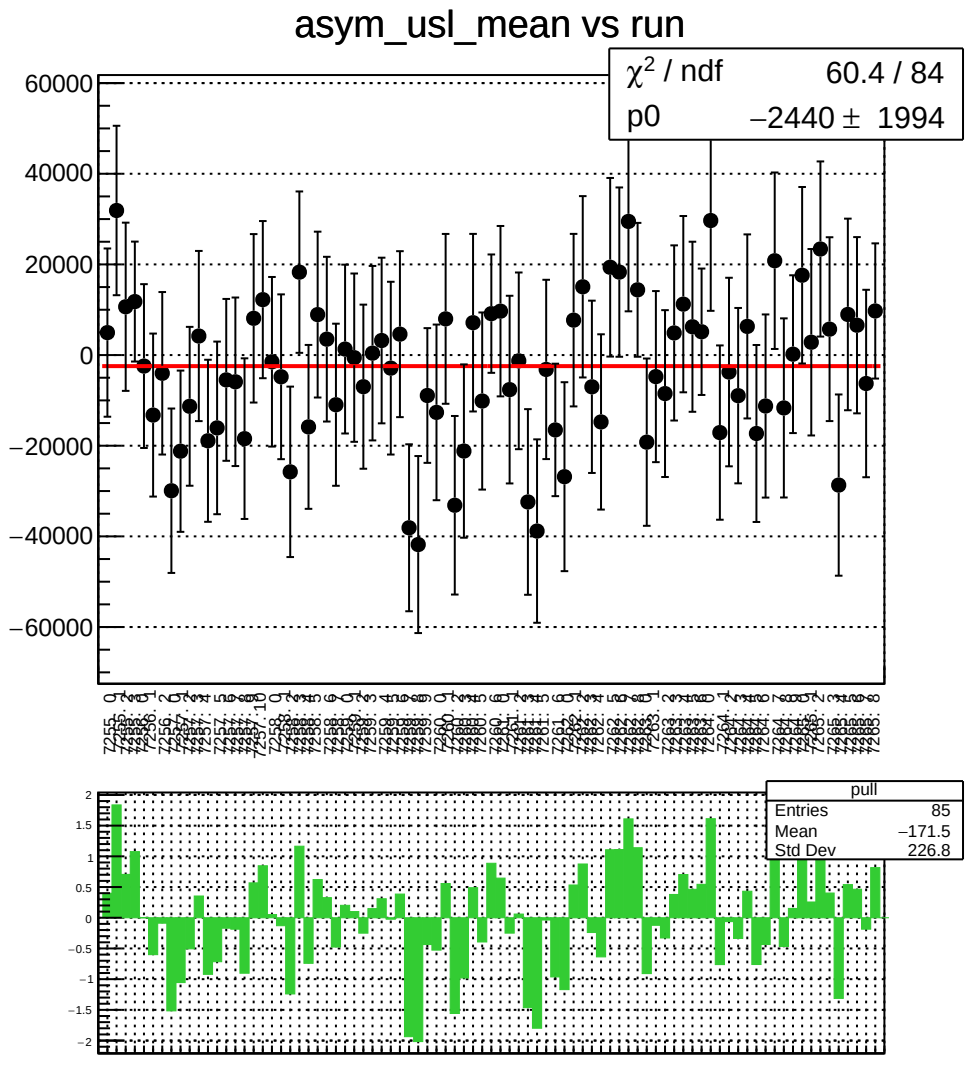

pull1D
Entries 85
Mean 0.002137
Std Dev 0.8732

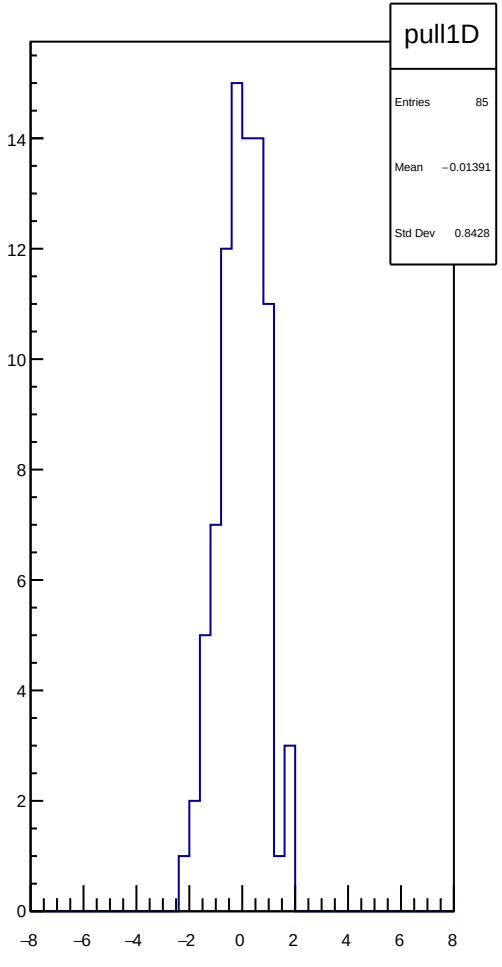

dit_asym_usl_rms vs run
χ² / ndf 72.56 / 84
p0 1109 ± 0.8637
1130
1120
1110
1100
1090

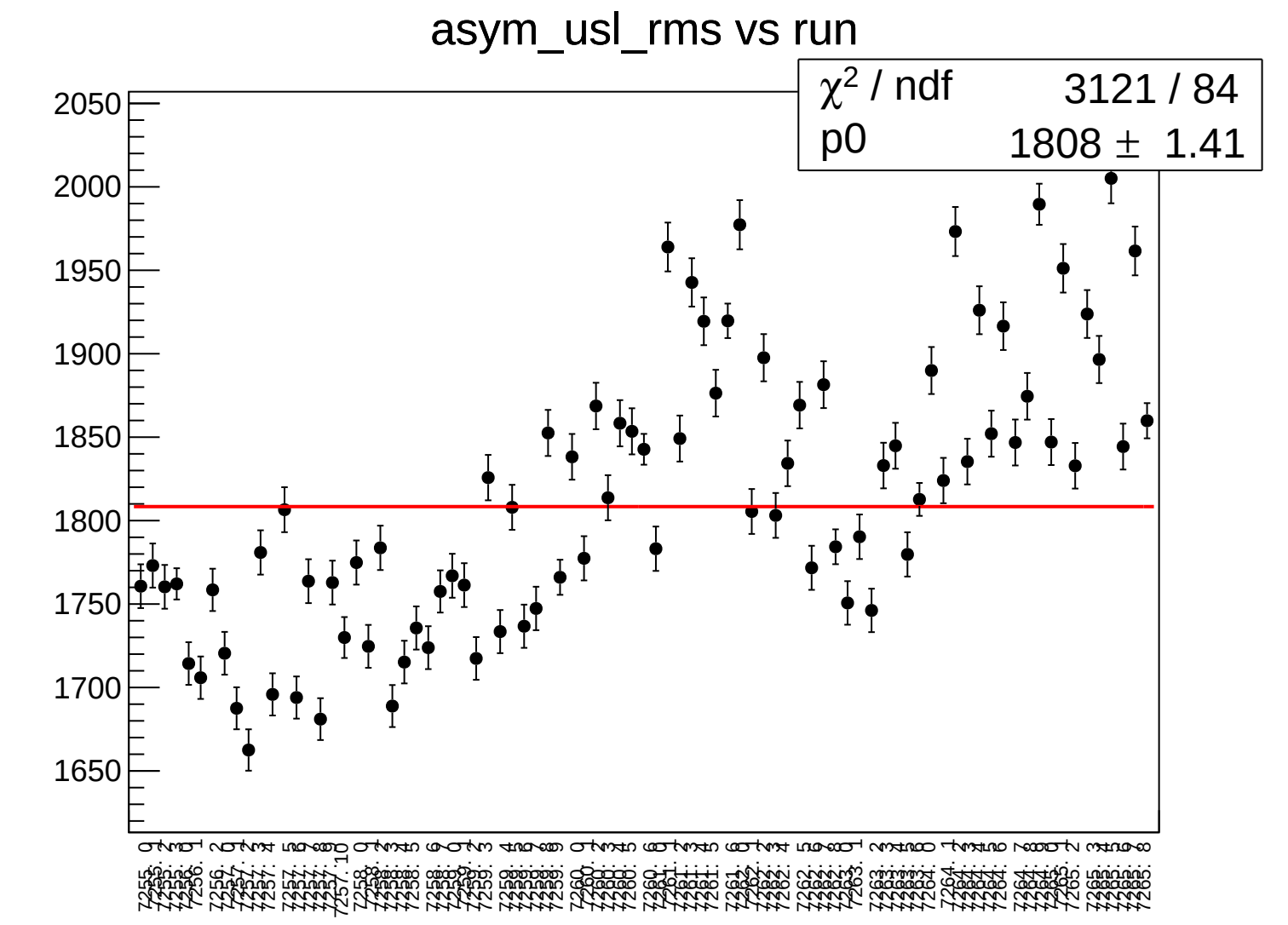

asym_usl_correction_mean vs run
χ² / ndf 68.87 / 84
p0 223.9 ± 1576
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −103.4
Std Dev 154.2
2
1
0
−1
−2

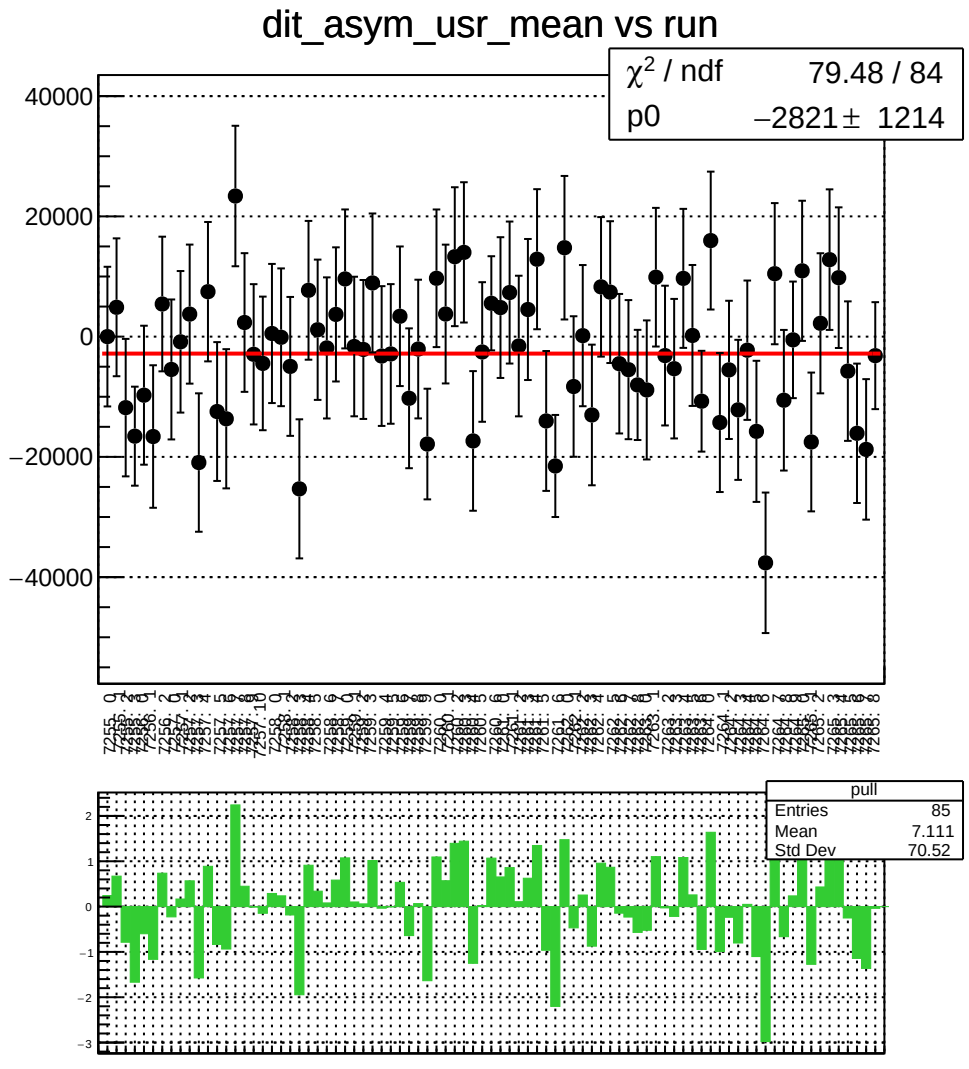

pull1D
Entries 85
Mean 0.01808
Std Dev 0.8999
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

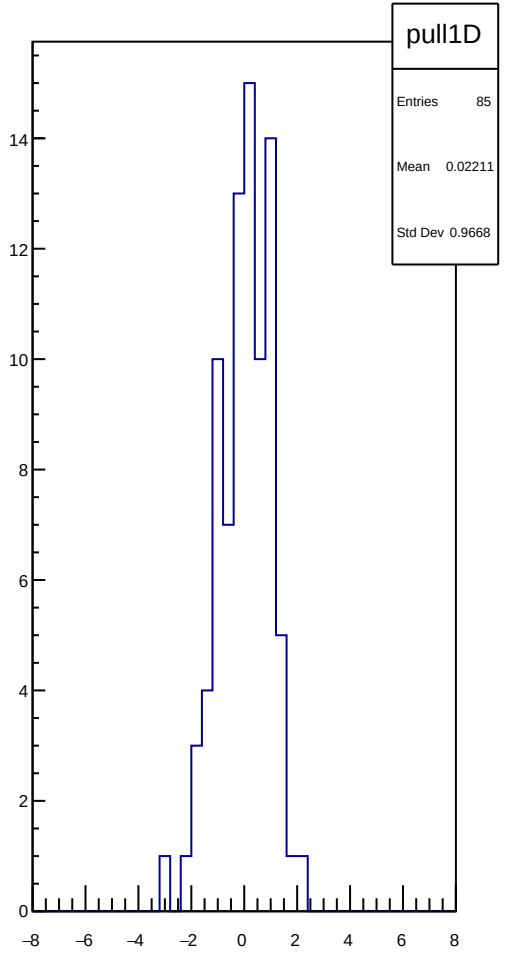

asym_usl_correction_rms vs run
χ² / ndf 7011 / 84
p0 1428 ± 1.114
1700
1600
1500
1400
1300
1200

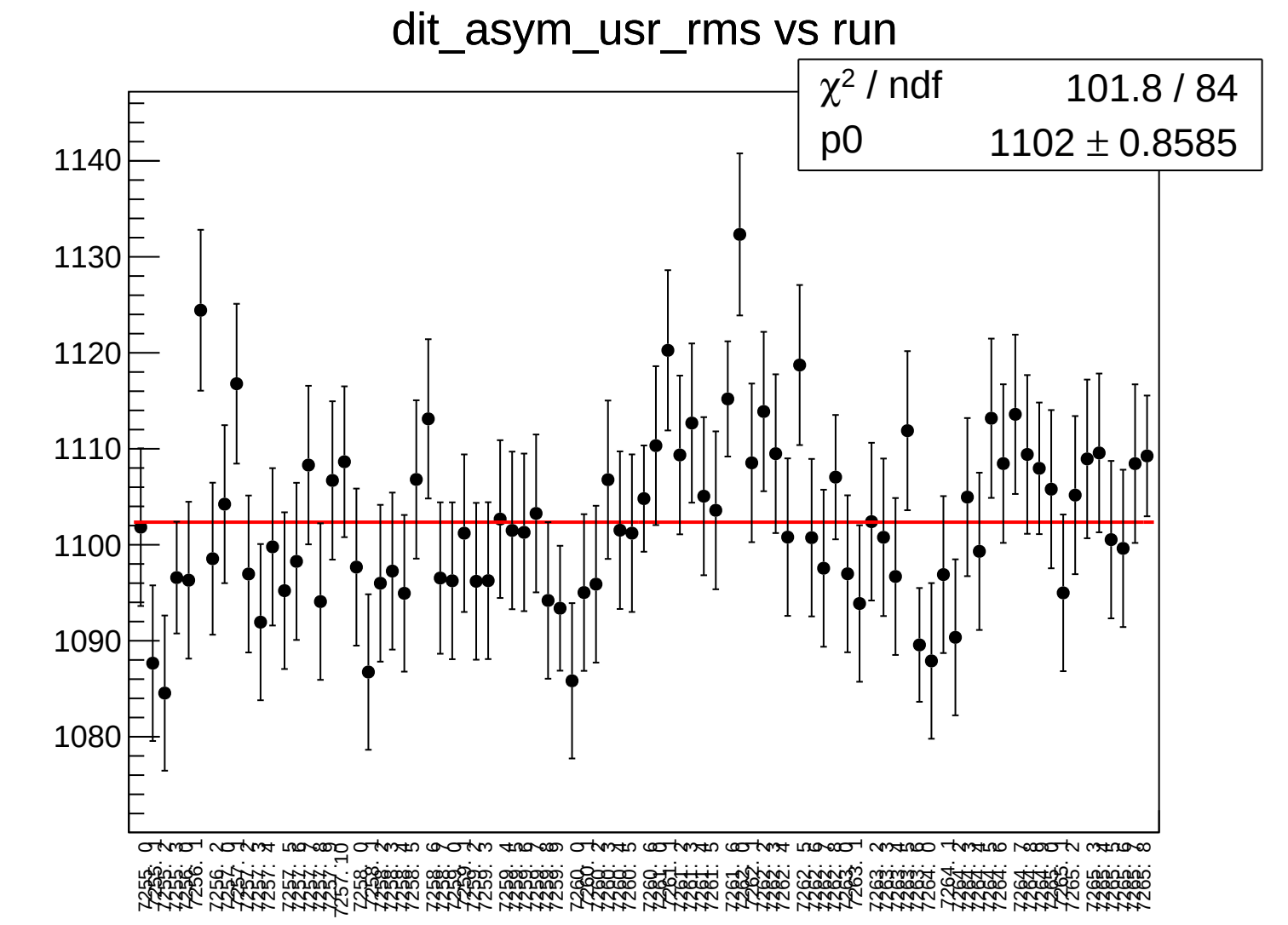

asym_usl_mean vs run
χ² / ndf 60.4 / 84
p0 −2440 ± 1994
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −171.5
Std Dev 226.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

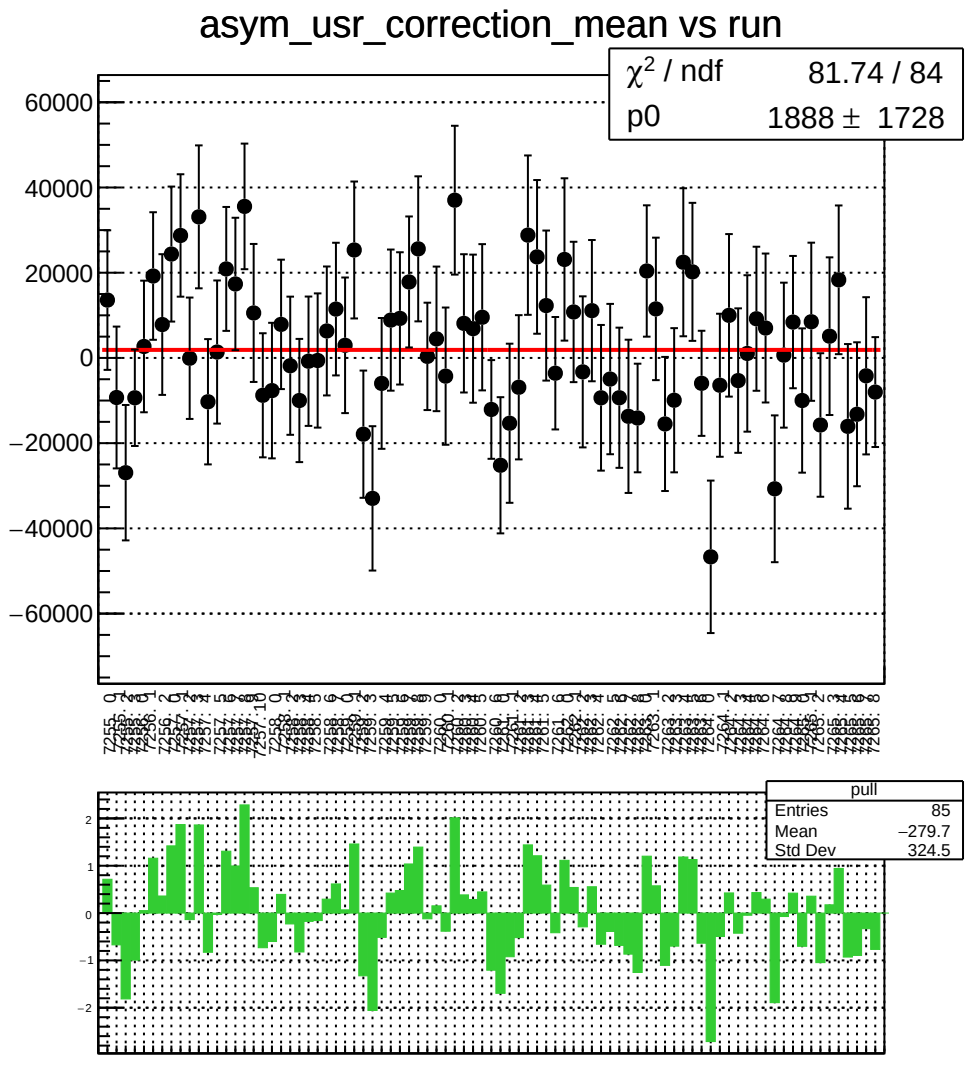

pull1D
Entries 85
Mean −0.01391
Std Dev 0.8428
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

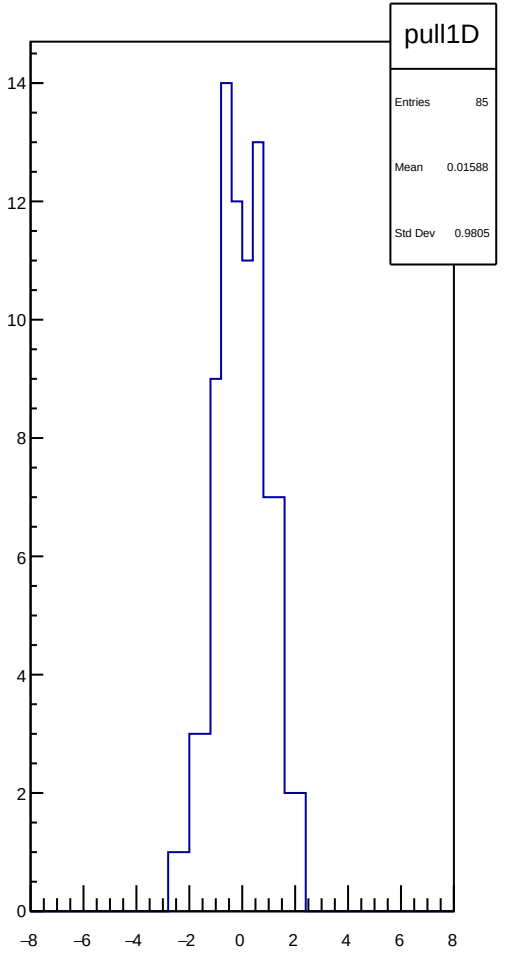

asym_usl_rms vs run
χ² / ndf 3121 / 84
p0 1808 ± 1.41
2050
2000
1950
1900
1850
1800
1750
1700
1650

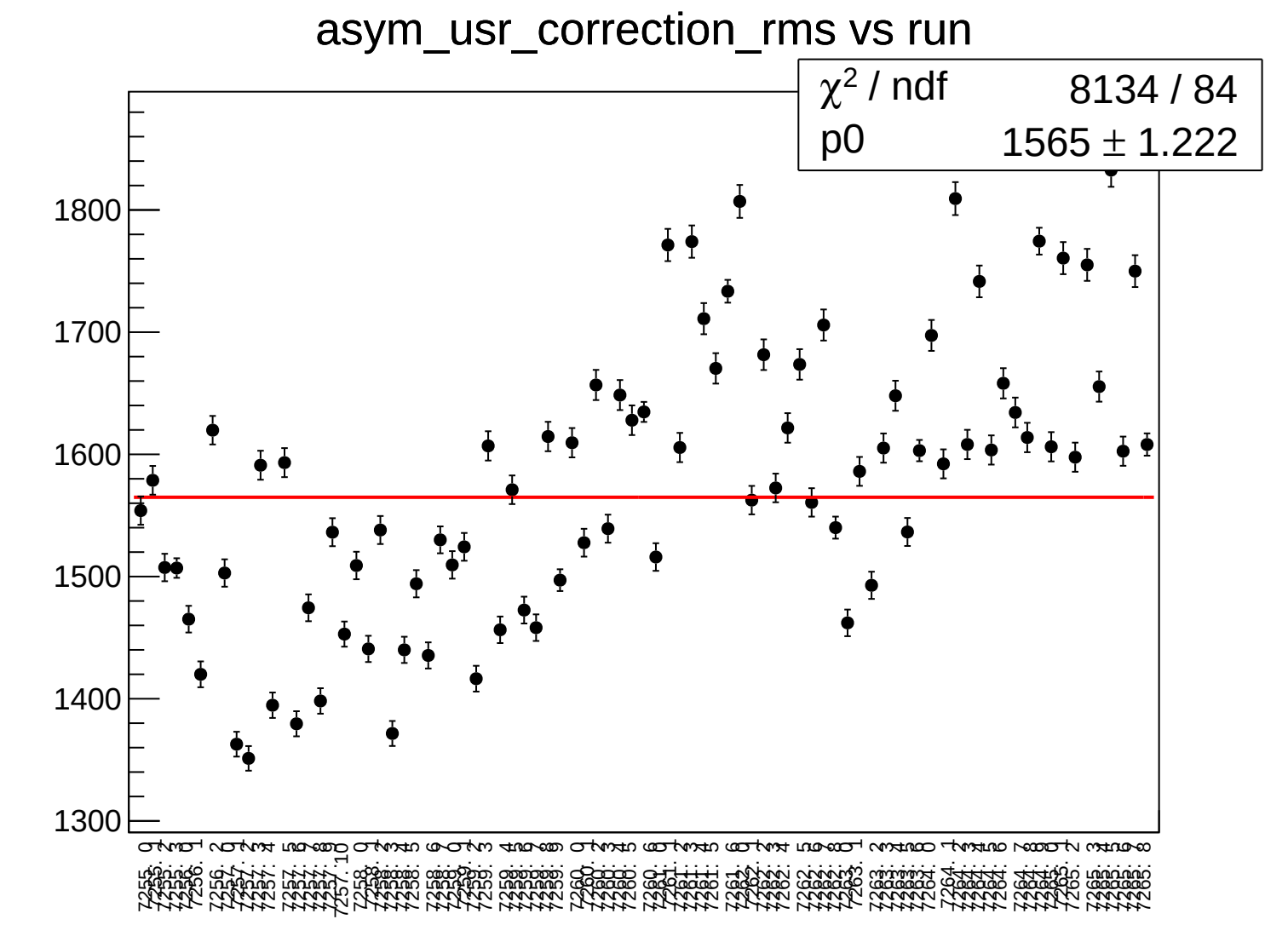

dit_asym_usr_mean vs run
χ² / ndf 79.48 / 84
p0 −2821 ± 1214
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 7.111
Std Dev 70.52
2
1
0
−1
−2
−3

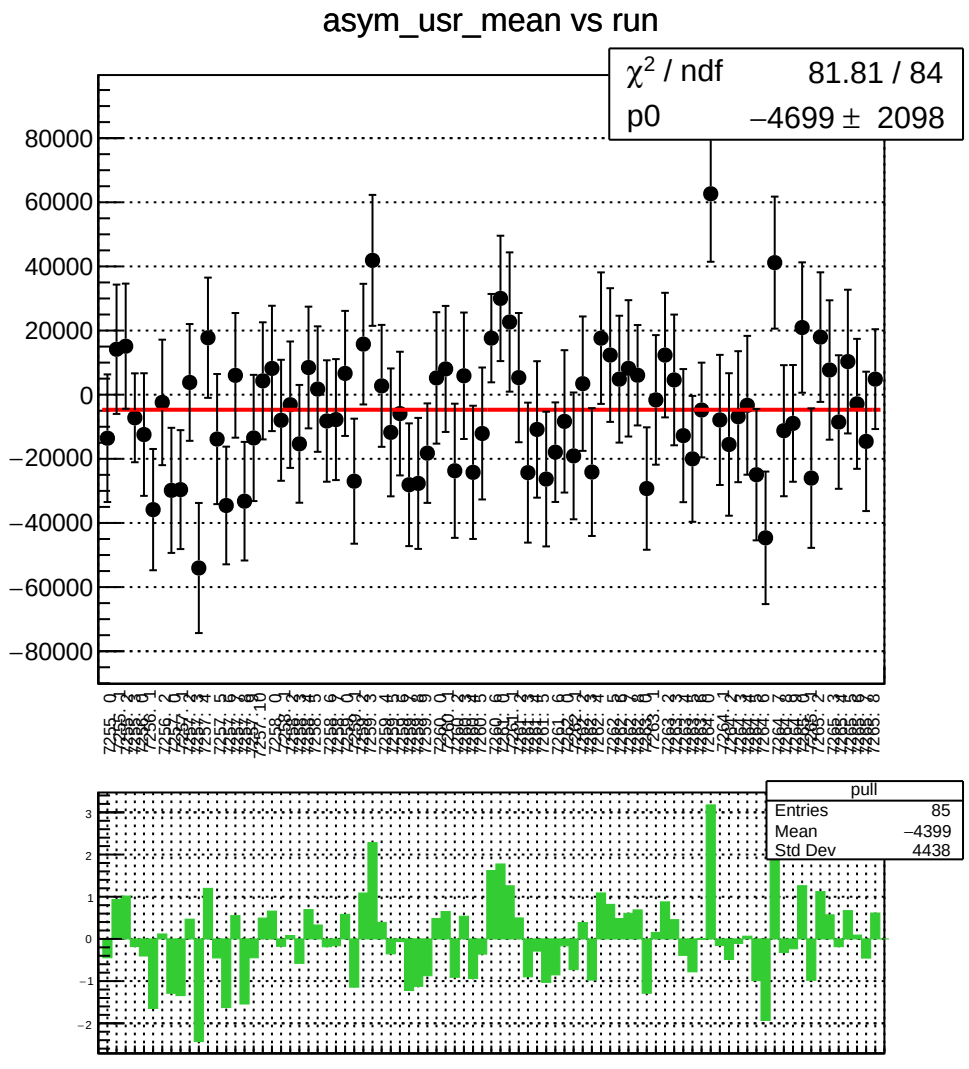

pull1D
Entries 85
Mean 0.02211
Std Dev 0.9668
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

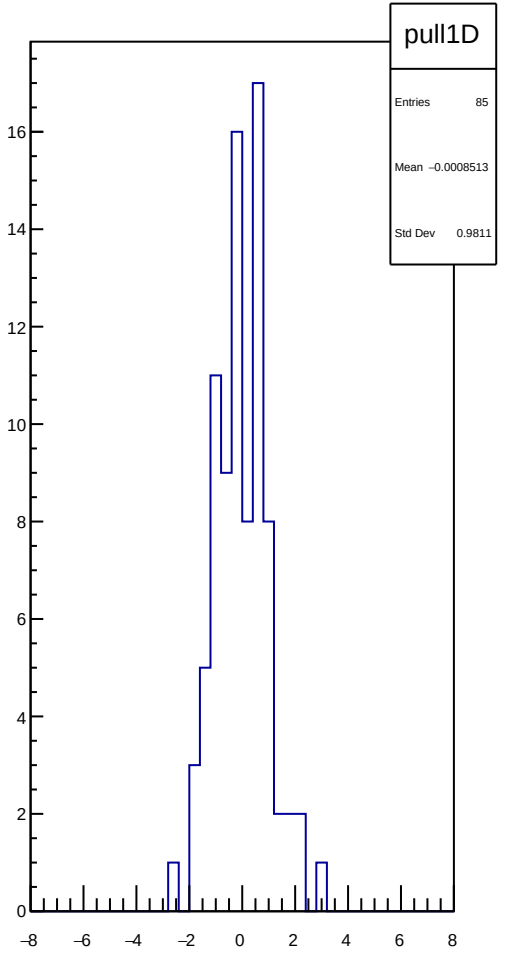

dit_asym_usr_rms vs run
χ² / ndf 101.8 / 84
p0 1102 ± 0.8585
1140
1130
1120
1110
1100
1090
1080

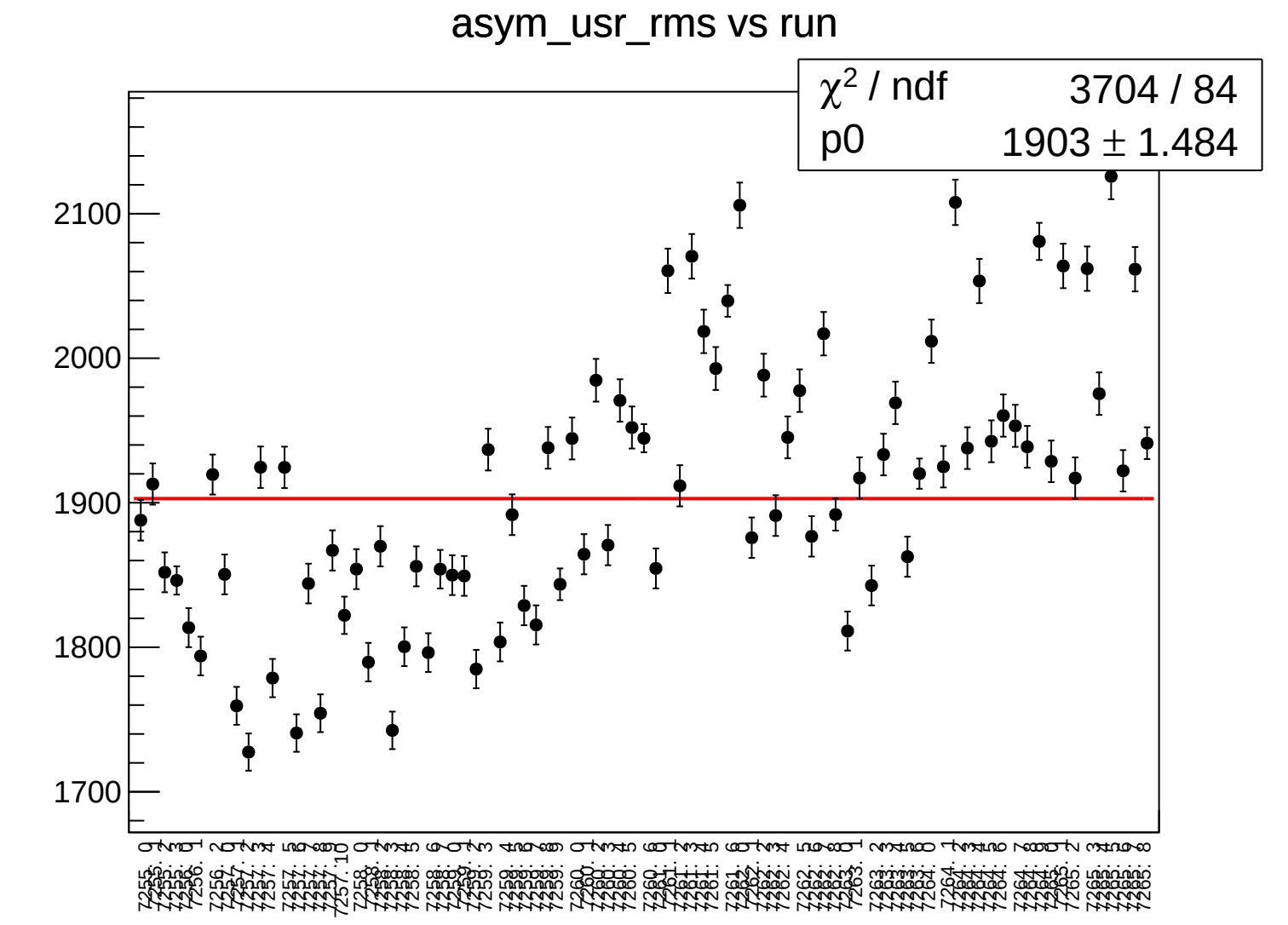

asym_usr_correction_mean vs run
χ² / ndf 81.74 / 84
p0 1888 ± 1728
pull
Entries 85
Mean −279.7
Std Dev 324.5

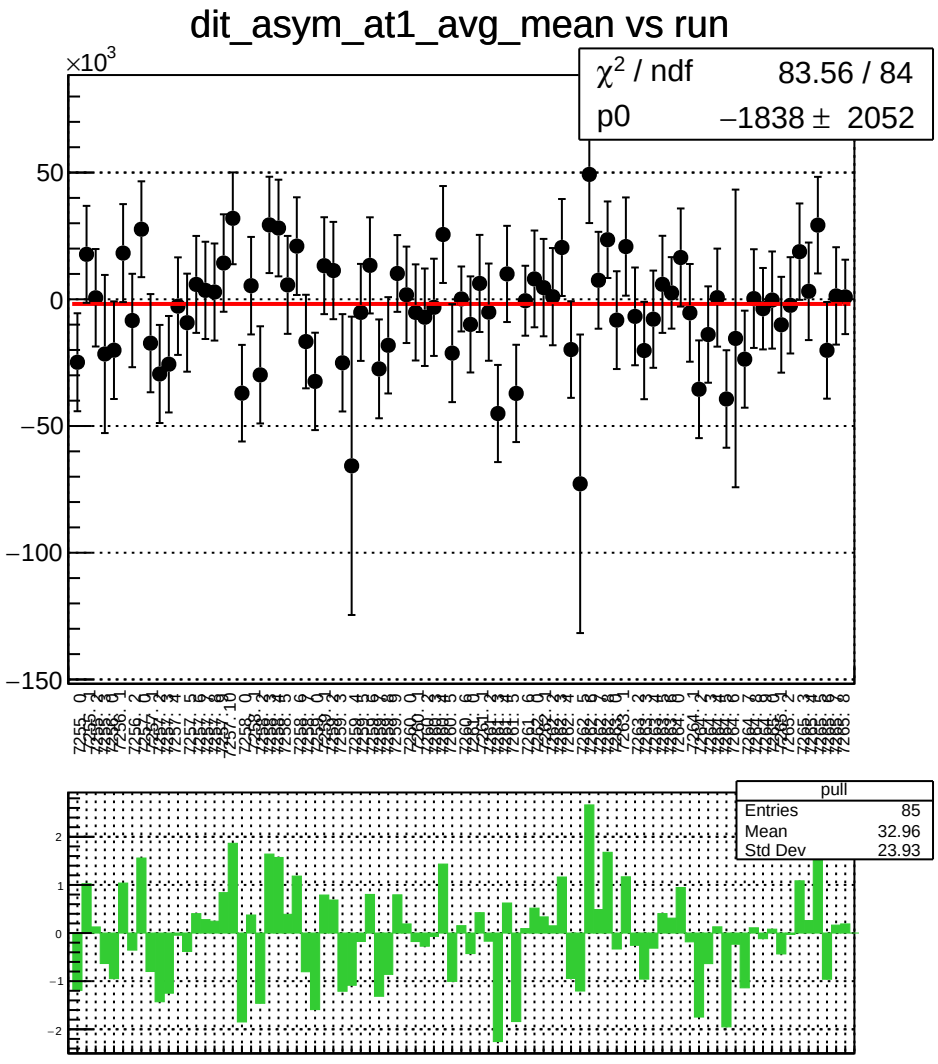

pull1D
Entries 85
Mean 0.01588
Std Dev 0.9805

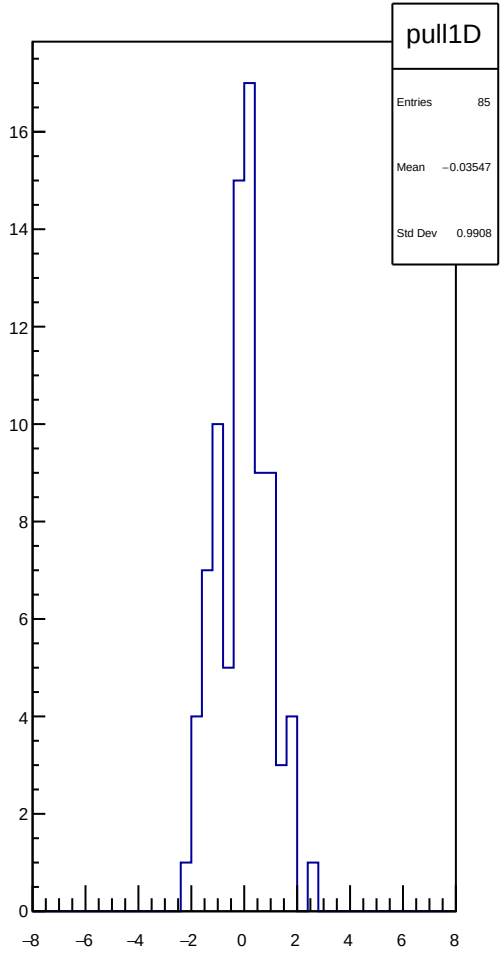

asym_usr_correction_rms vs run
χ² / ndf 8134 / 84
p0 1565 ± 1.222
1800
1700
1600
1500
1400
1300

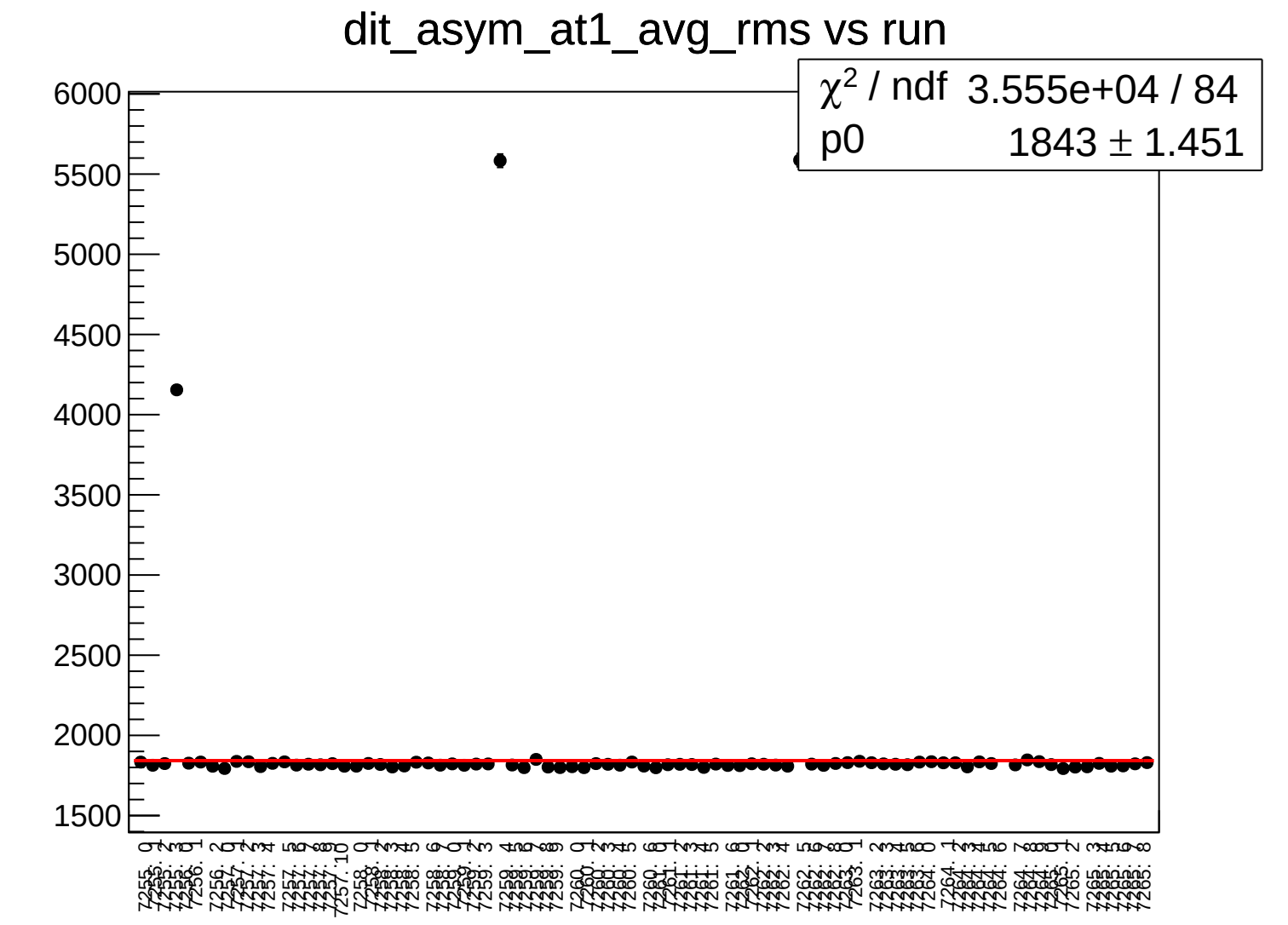

asym_usr_mean vs run
χ² / ndf 81.81 / 84
p0 −4699 ± 2098
pull
Entries 85
Mean −4399
Std Dev 4438

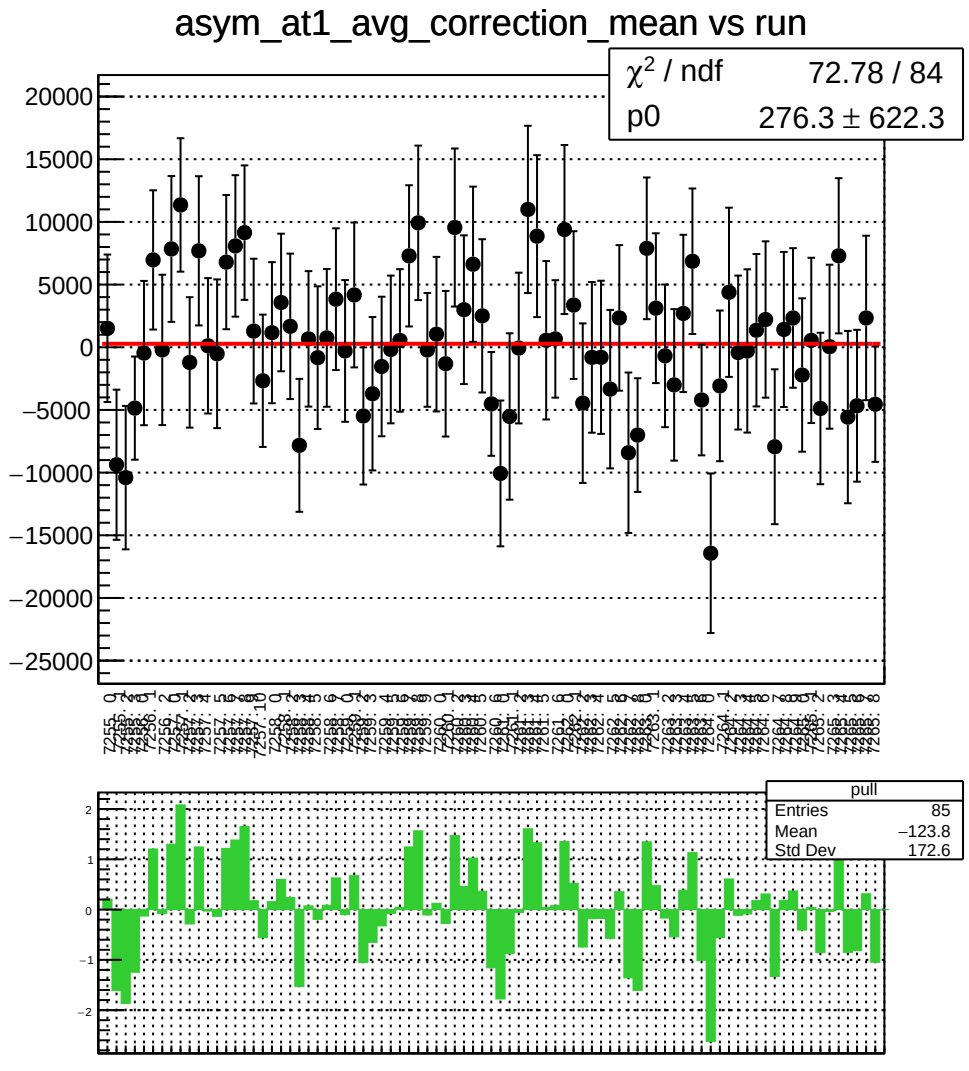

pull1D
Entries 85
Mean −0.0008513
Std Dev 0.9811

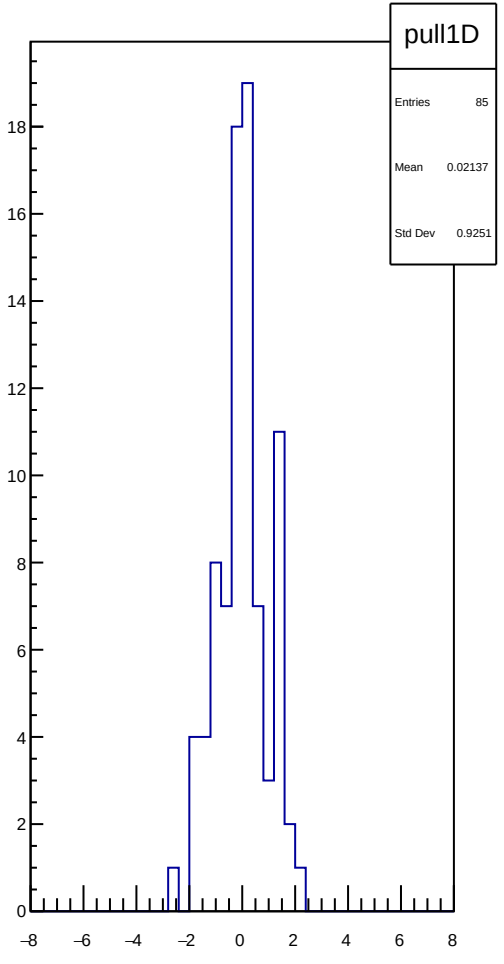

asym_usr_rms vs run
χ² / ndf 3704 / 84
p0 1903 ± 1.484
2100
2000
1900
1800
1700

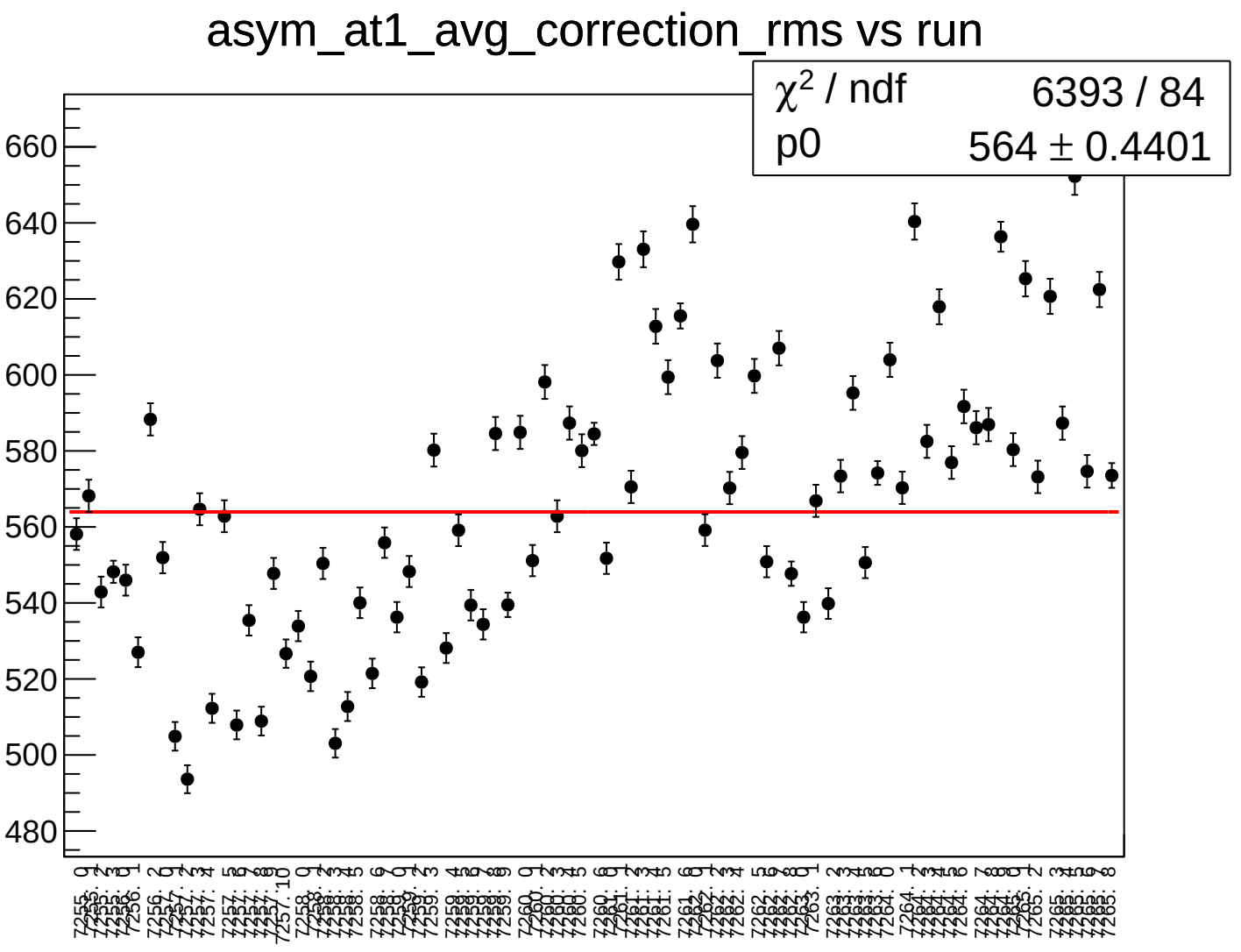

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 83.56 / 84
p0 −1838 ± 2052
50
0
−50
−100
−150
pull
Entries 85
Mean 32.96
Std Dev 23.93
2
1
0
−1
−2

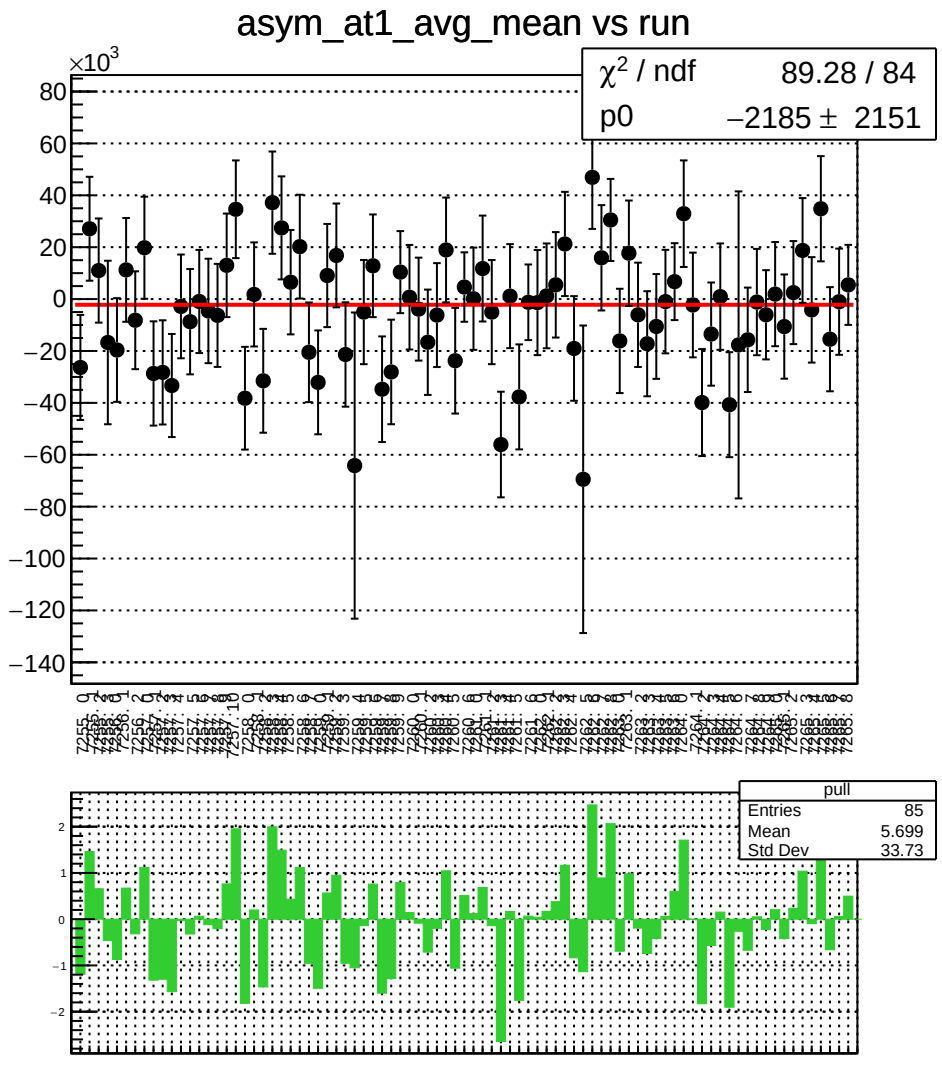

pull1D
Entries 85
Mean −0.03547
Std Dev 0.9908
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

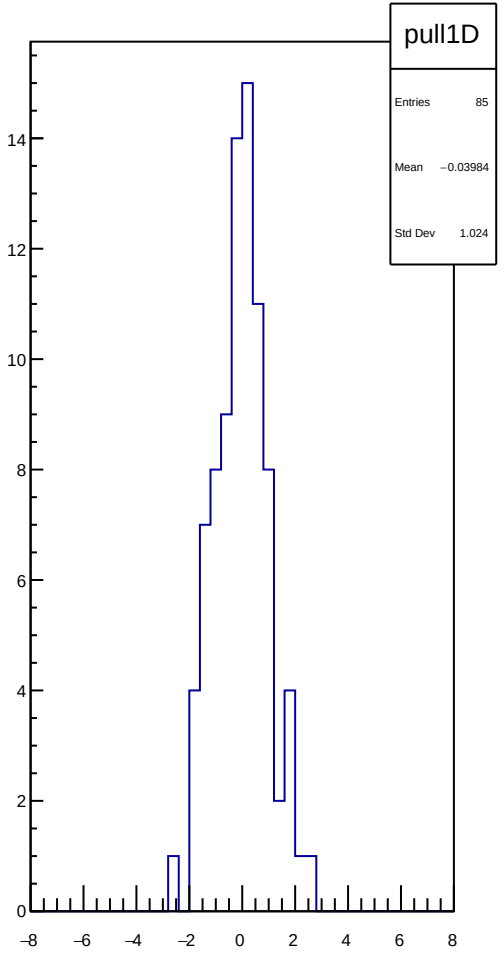

dit_asym_at1_avg_rms vs run
χ^2 / ndf 3.555e+04 / 84
p0 1843 ± 1.451
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

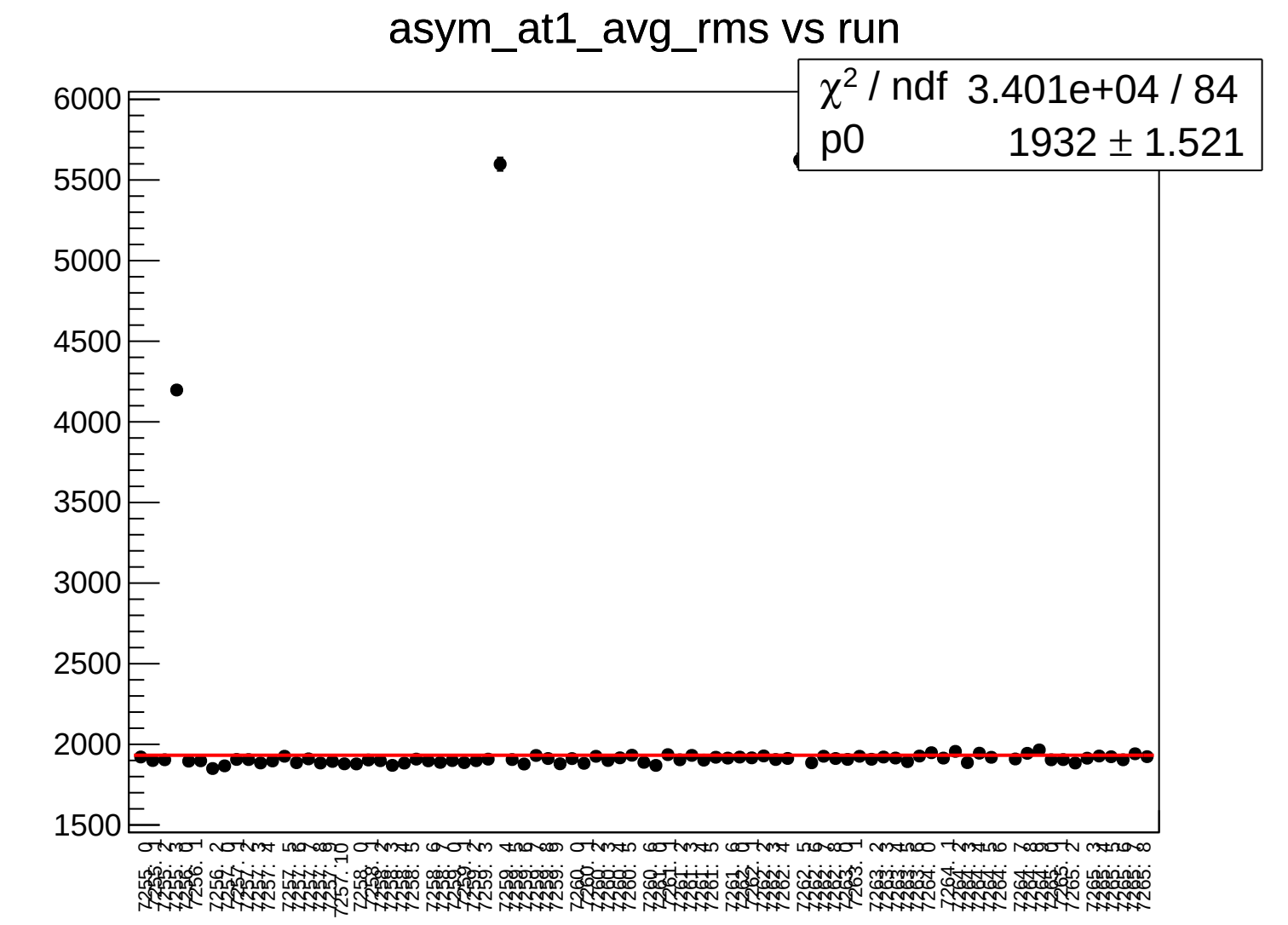

asym_at1_avg_correction_mean vs run
χ² / ndf 72.78 / 84
p0 276.3 ± 622.3
pull
Entries 85
Mean −123.8
Std Dev 172.6

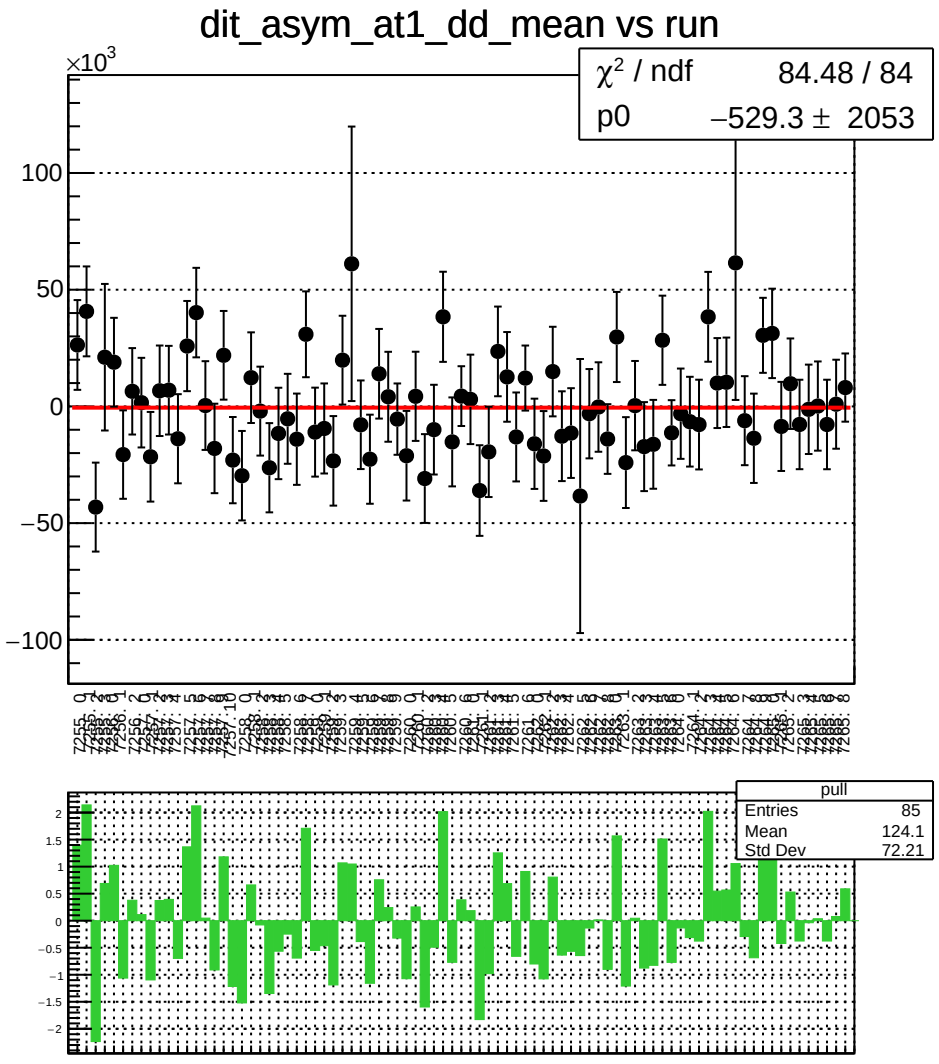

pull1D
Entries 85
Mean 0.02137
Std Dev 0.9251

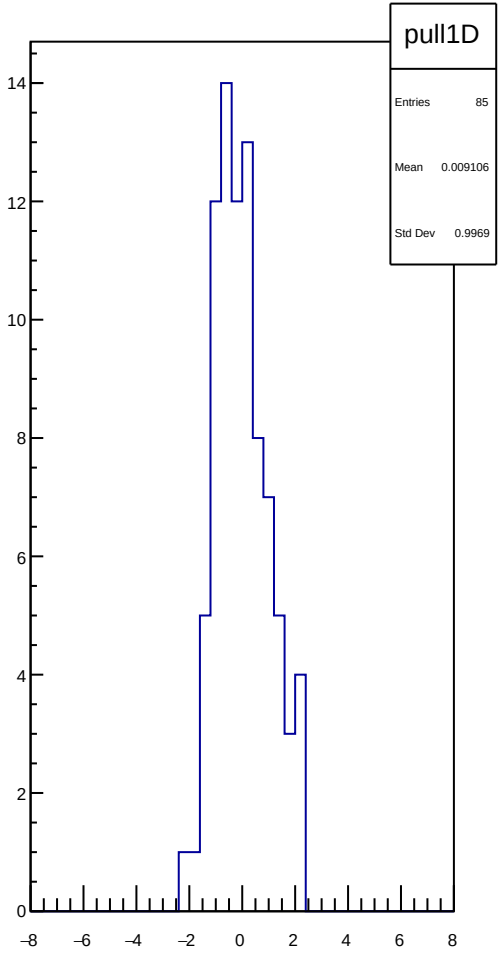

asym_at1_avg_correction_rms vs run
χ² / ndf 6393 / 84
p0 564 ± 0.4401
660
640
620
600
580
560
540
520
500
480

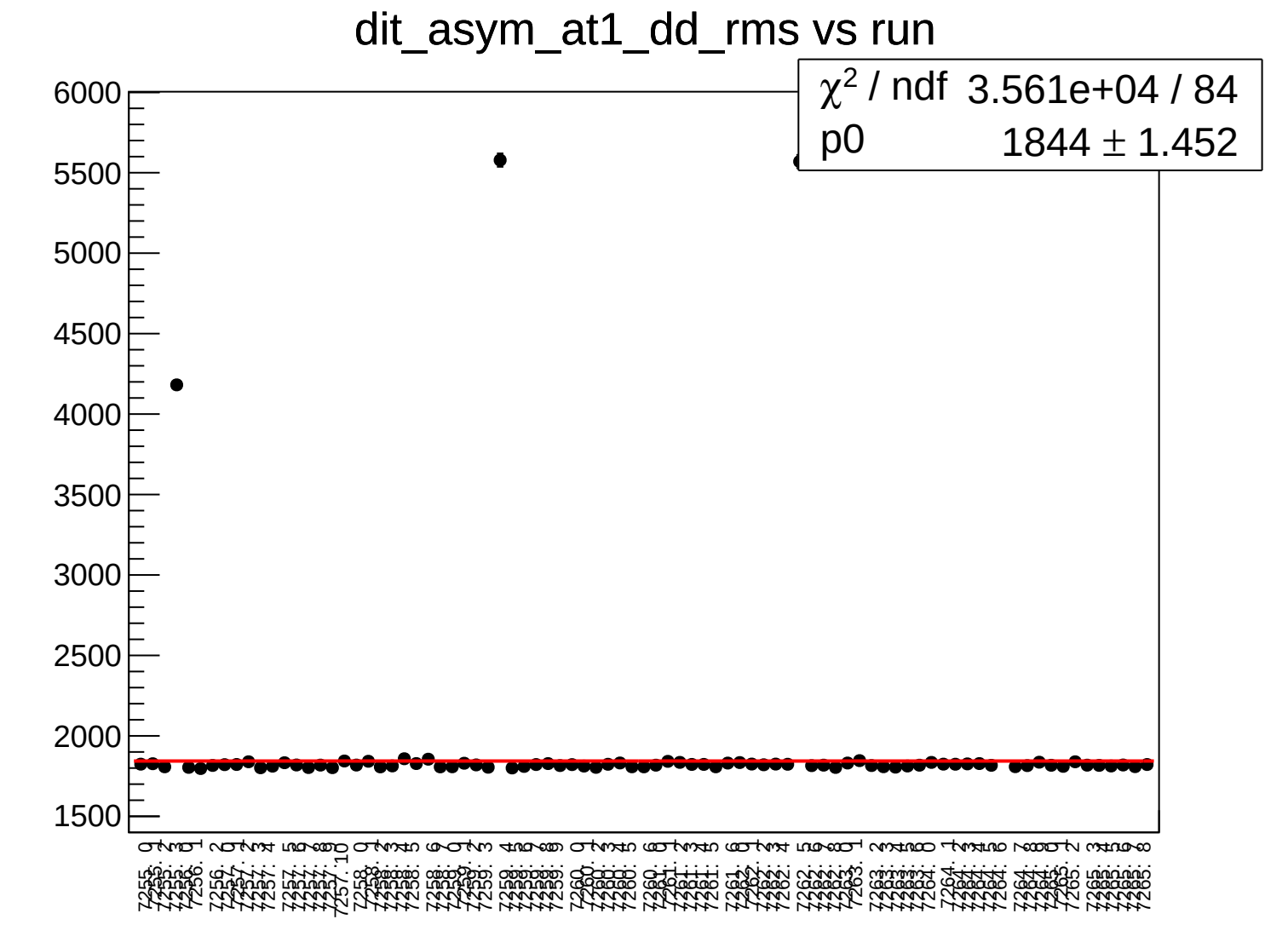

asym_at1_avg_mean vs run
×10^3
χ² / ndf 89.28 / 84
p0 −2185 ± 2151
pull
Entries 85
Mean 5.699
Std Dev 33.73

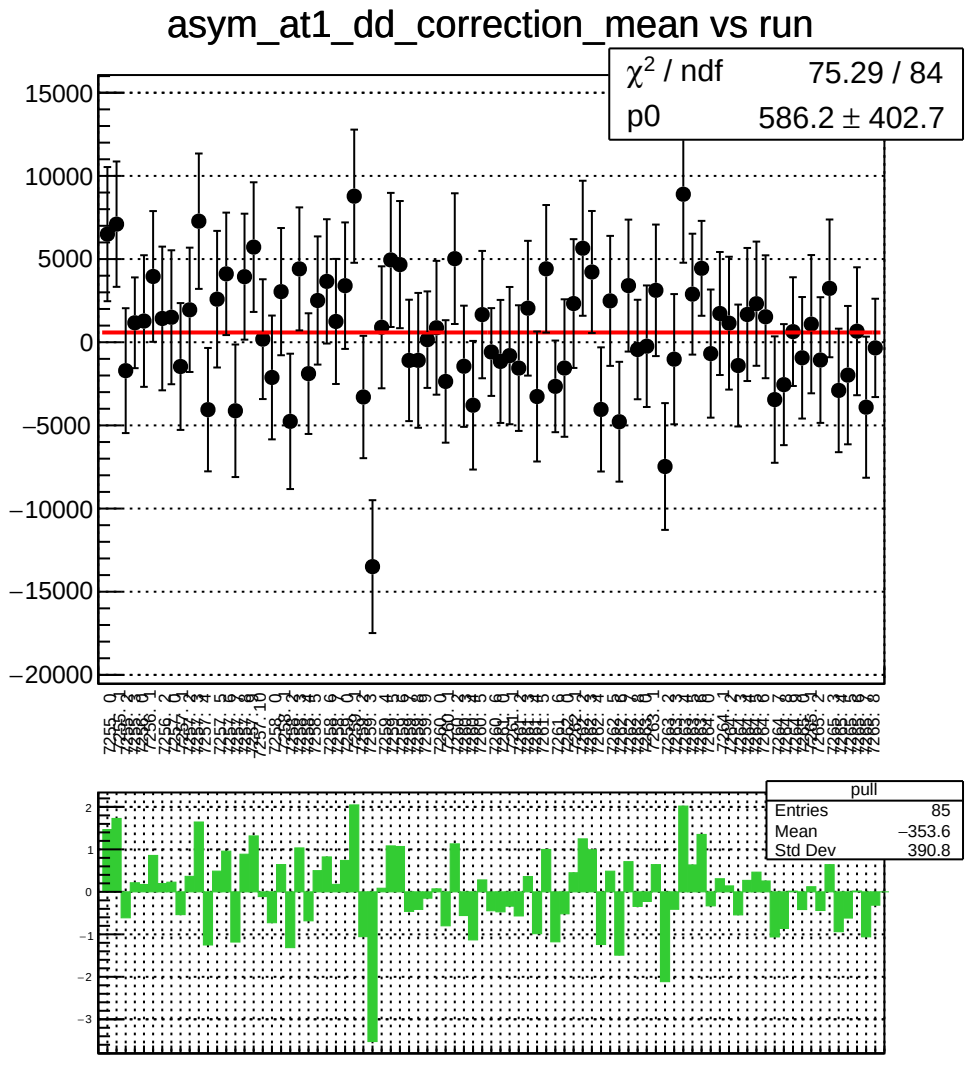

pull1D
Entries 85
Mean −0.03984
Std Dev 1.024

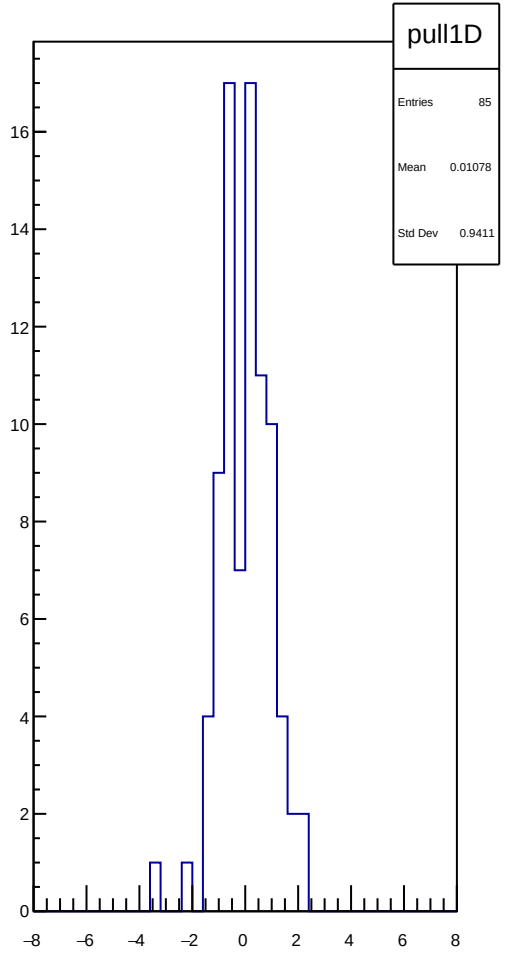

asym_at1_avg_rms vs run
χ^2 / ndf 3.401e+04 / 84
p0 1932 ± 1.521
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

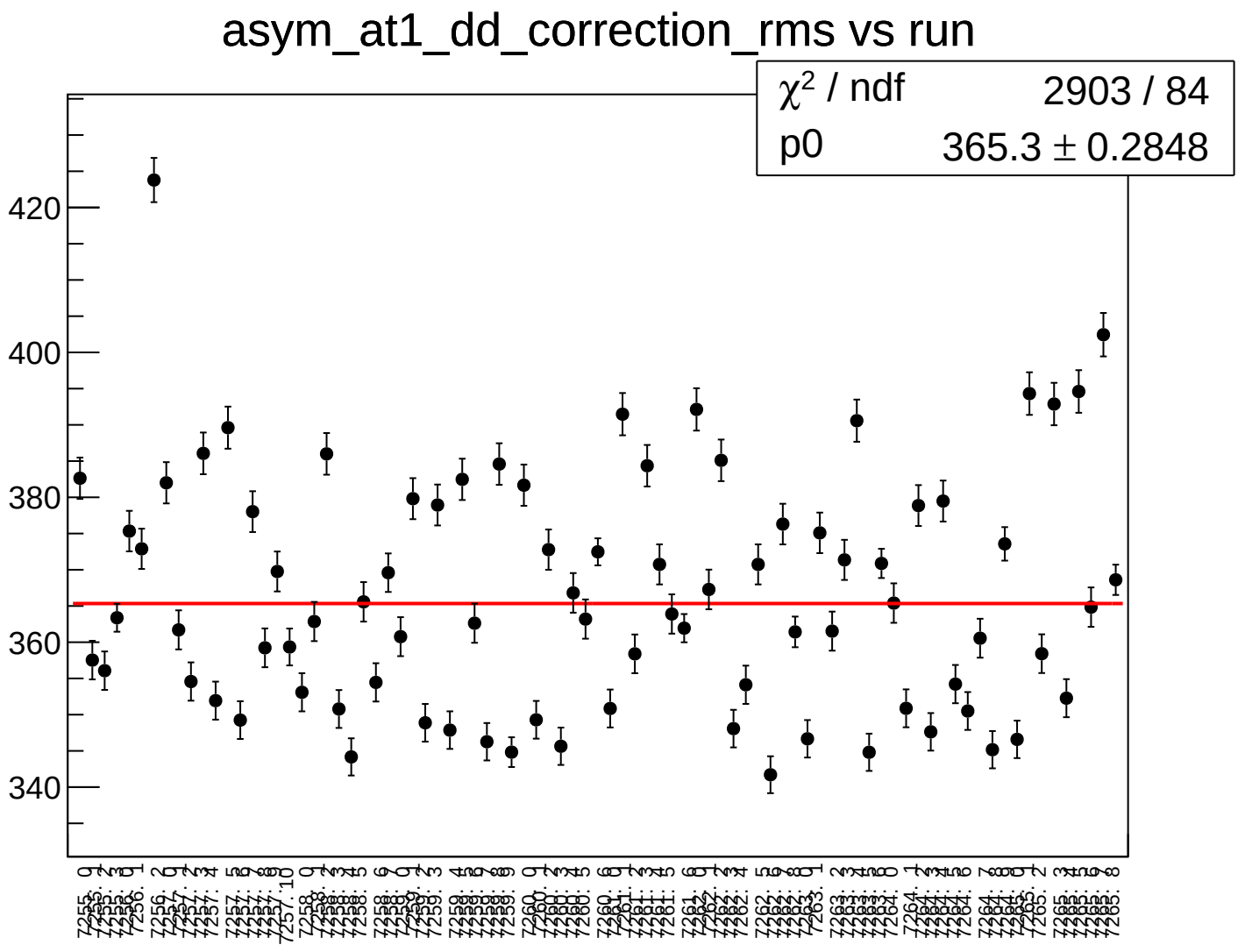

dit_asym_at1_dd_mean vs run
×10^3
χ² / ndf 84.48 / 84
p0 −529.3 ± 2053
100
50
0
−50
−100
pull
Entries 85
Mean 124.1
Std Dev 72.21
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

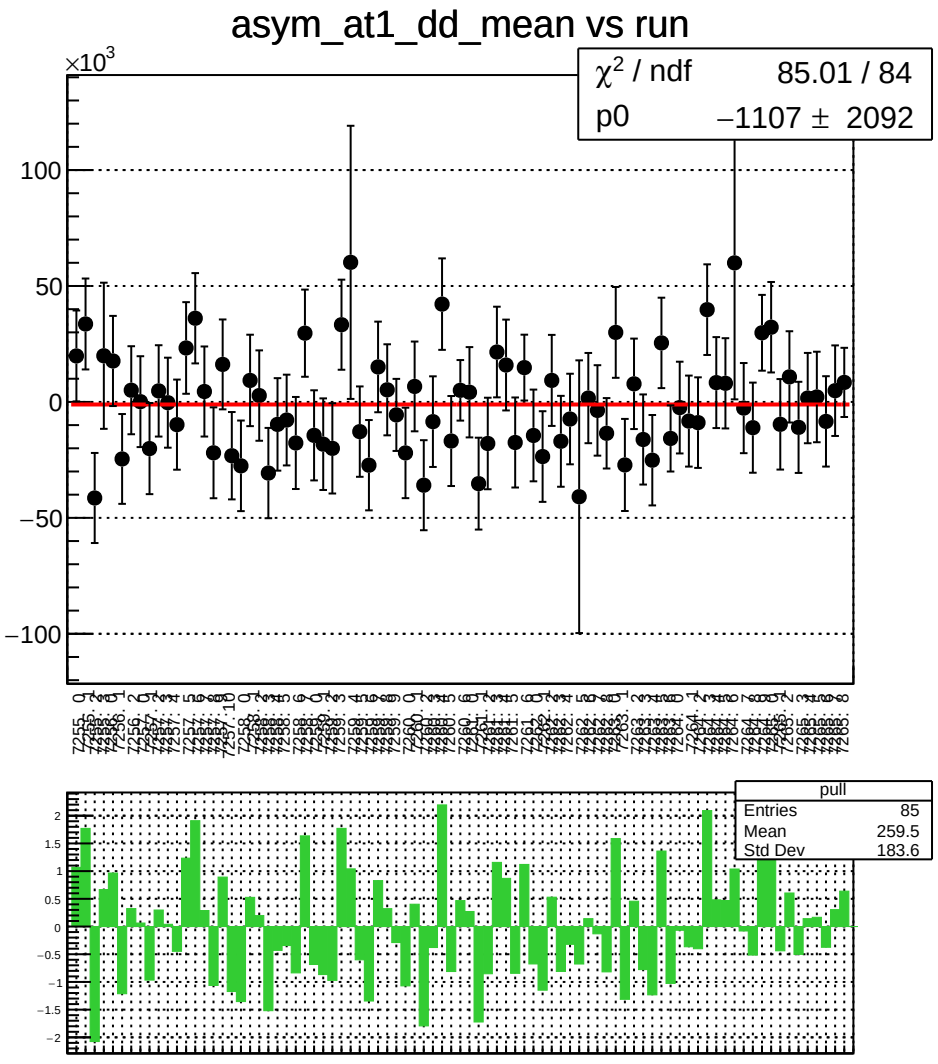

pull1D
Entries 85
Mean 0.009106
Std Dev 0.9969
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

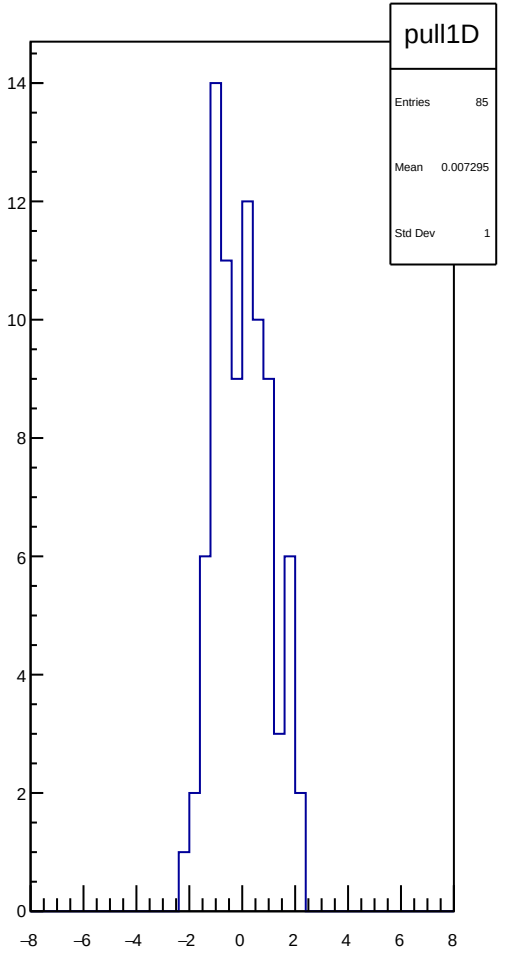

dit_asym_at1_dd_rms vs run
χ² / ndf 3.561e+04 / 84
p0 1844 ± 1.452
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

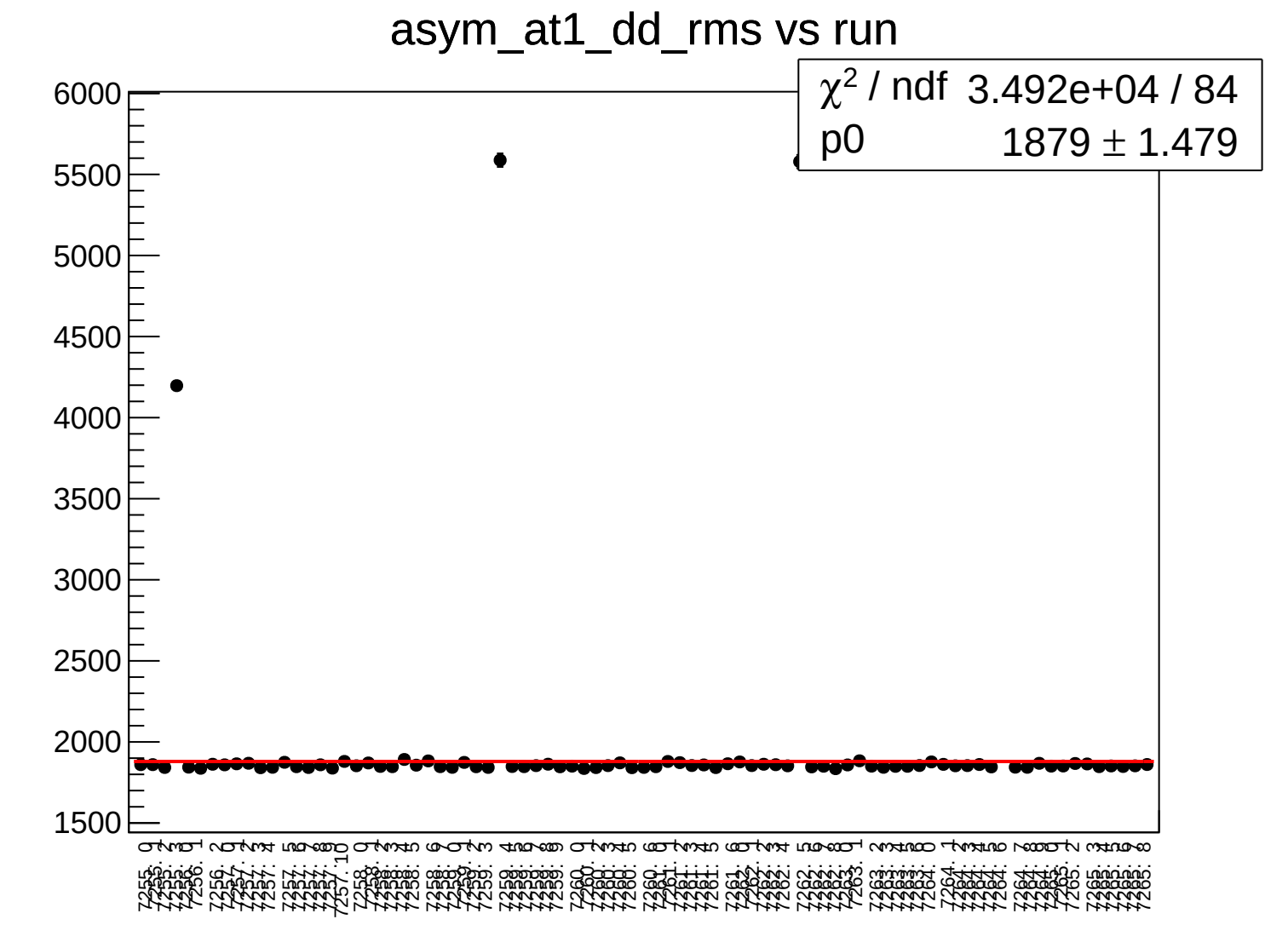

asym_at1_dd_correction_mean vs run
χ² / ndf 75.29 / 84
p0 586.2 ± 402.7
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 85
Mean −353.6
Std Dev 390.8
2
1
0
−1
−2
−3

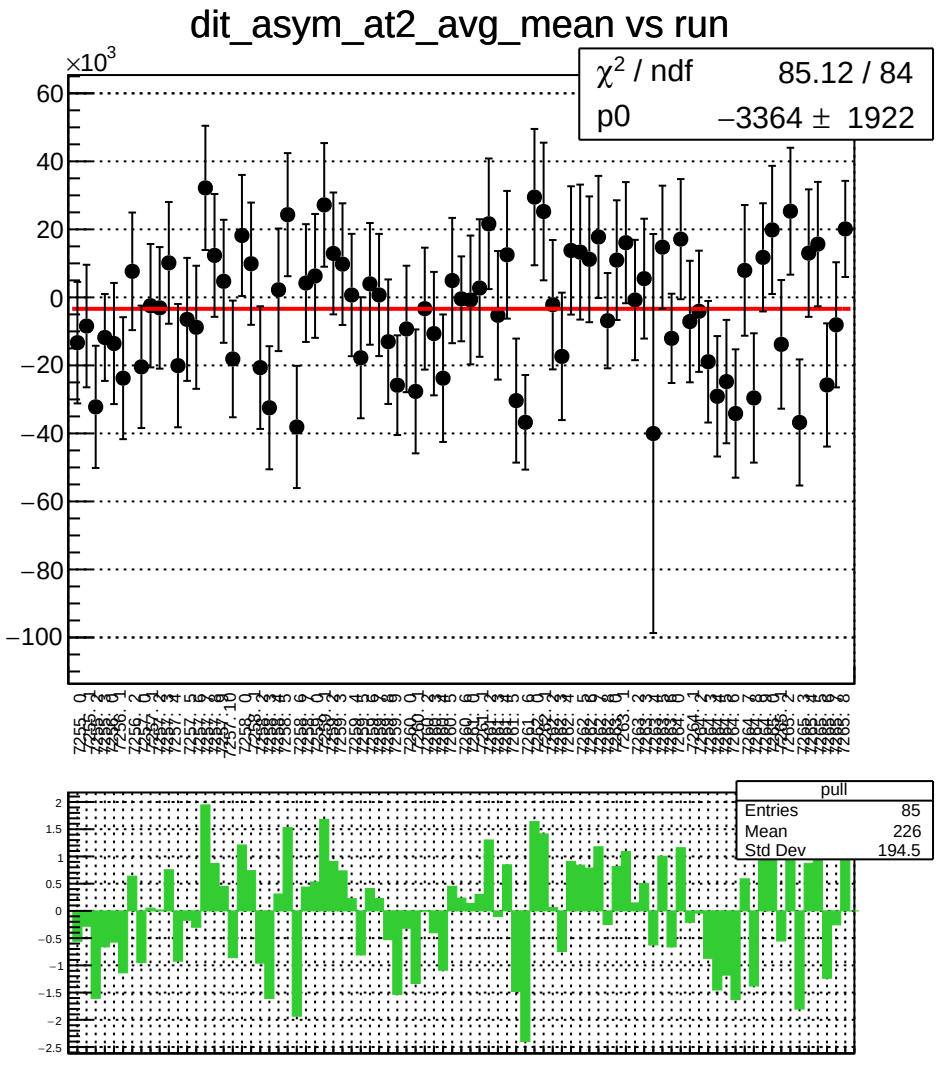

pull1D
Entries 85
Mean 0.01078
Std Dev 0.9411
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

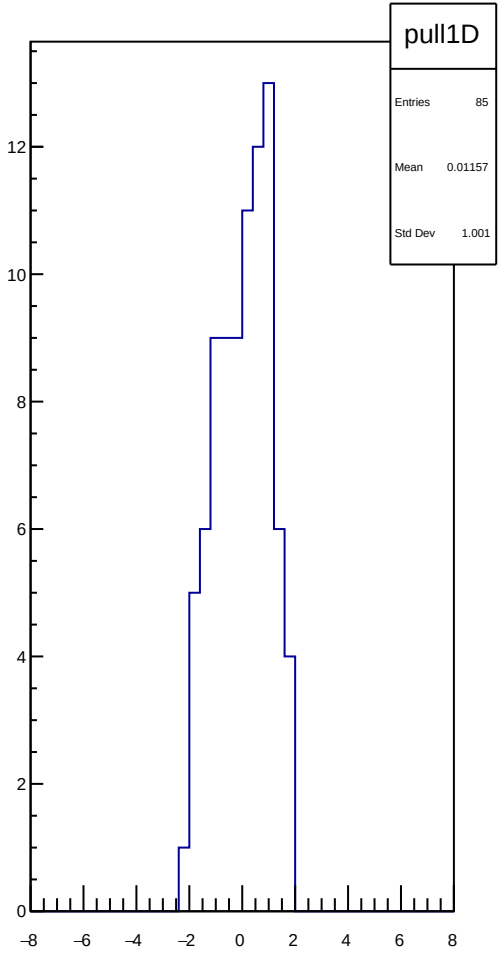

asym_at1_dd_correction_rms vs run
χ² / ndf 2903 / 84
p0 365.3 ± 0.2848
420
400
380
360
340

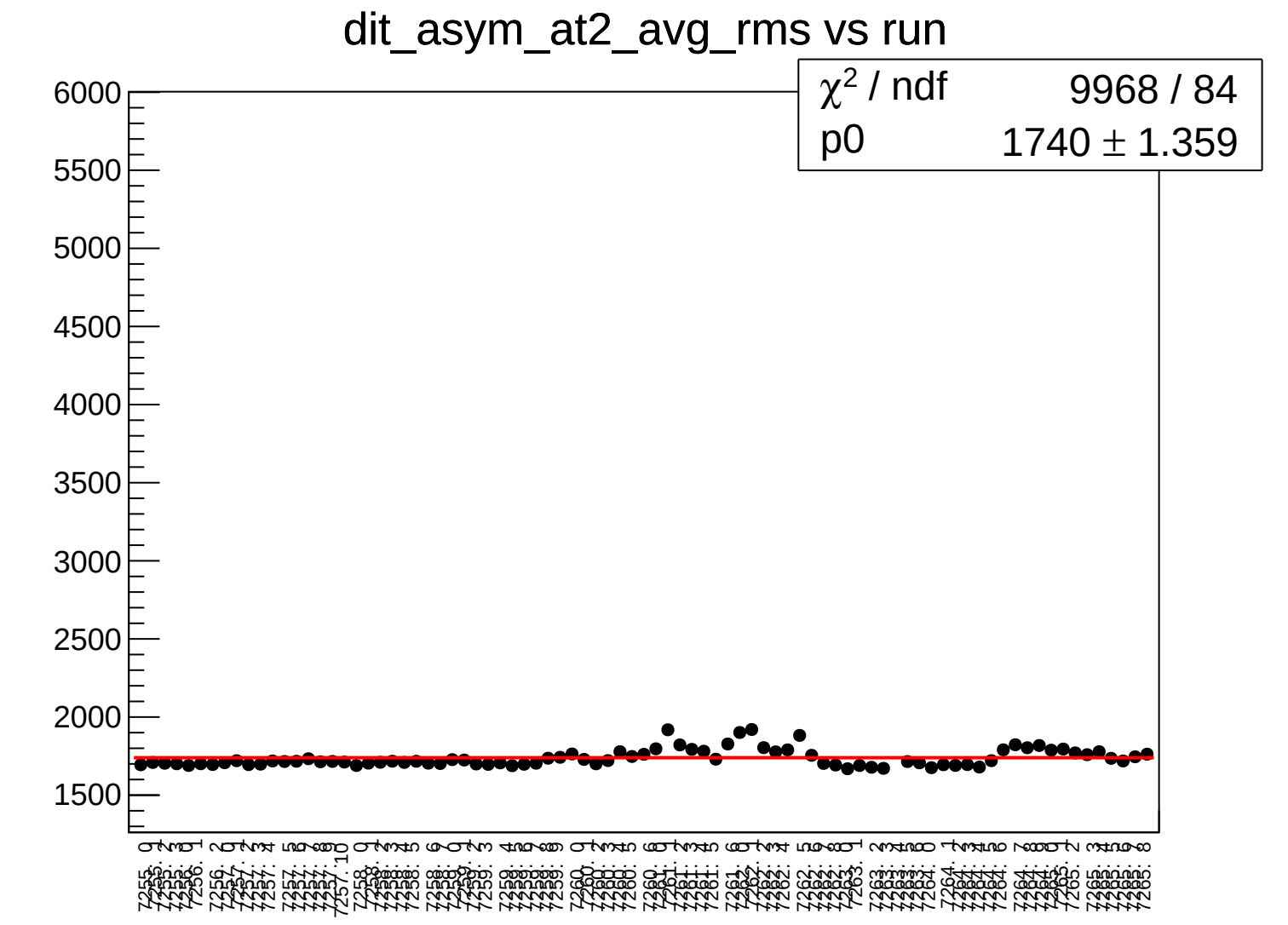

asym_at1_dd_mean vs run
×10^3
χ² / ndf 85.01 / 84
p0 −1107 ± 2092
100
50
0
−50
−100
pull
Entries 85
Mean 259.5
Std Dev 183.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

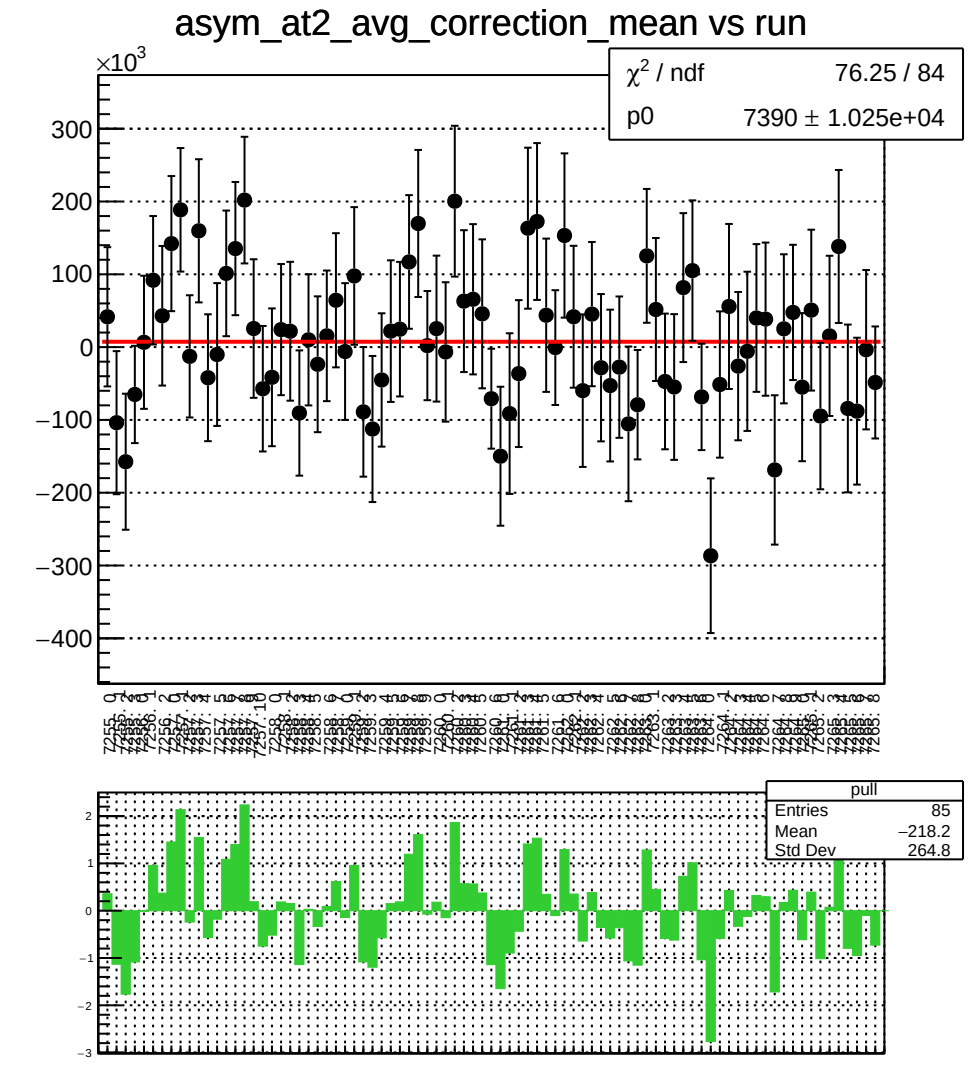

pull1D
Entries 85
Mean 0.007295
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

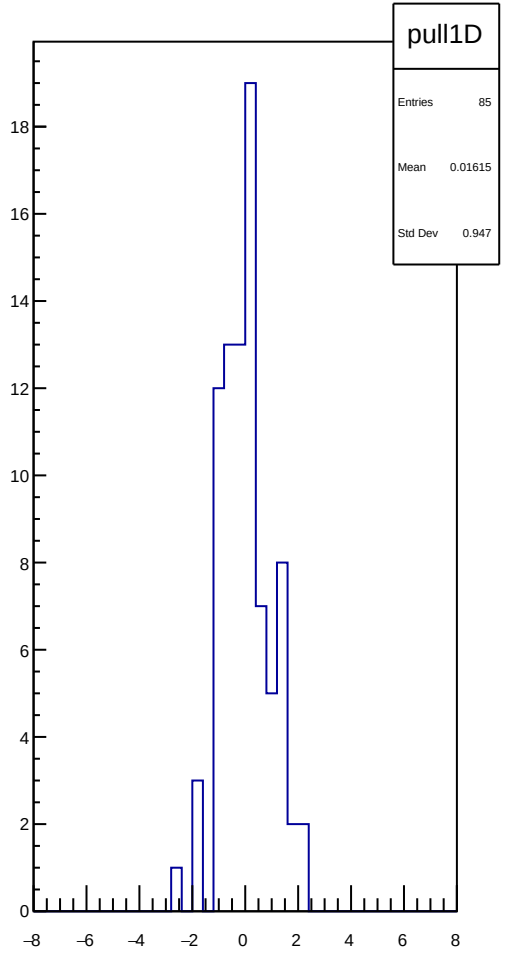

asym_at1_dd_rms vs run
χ² / ndf 3.492e+04 / 84
p0 1879 ± 1.479
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

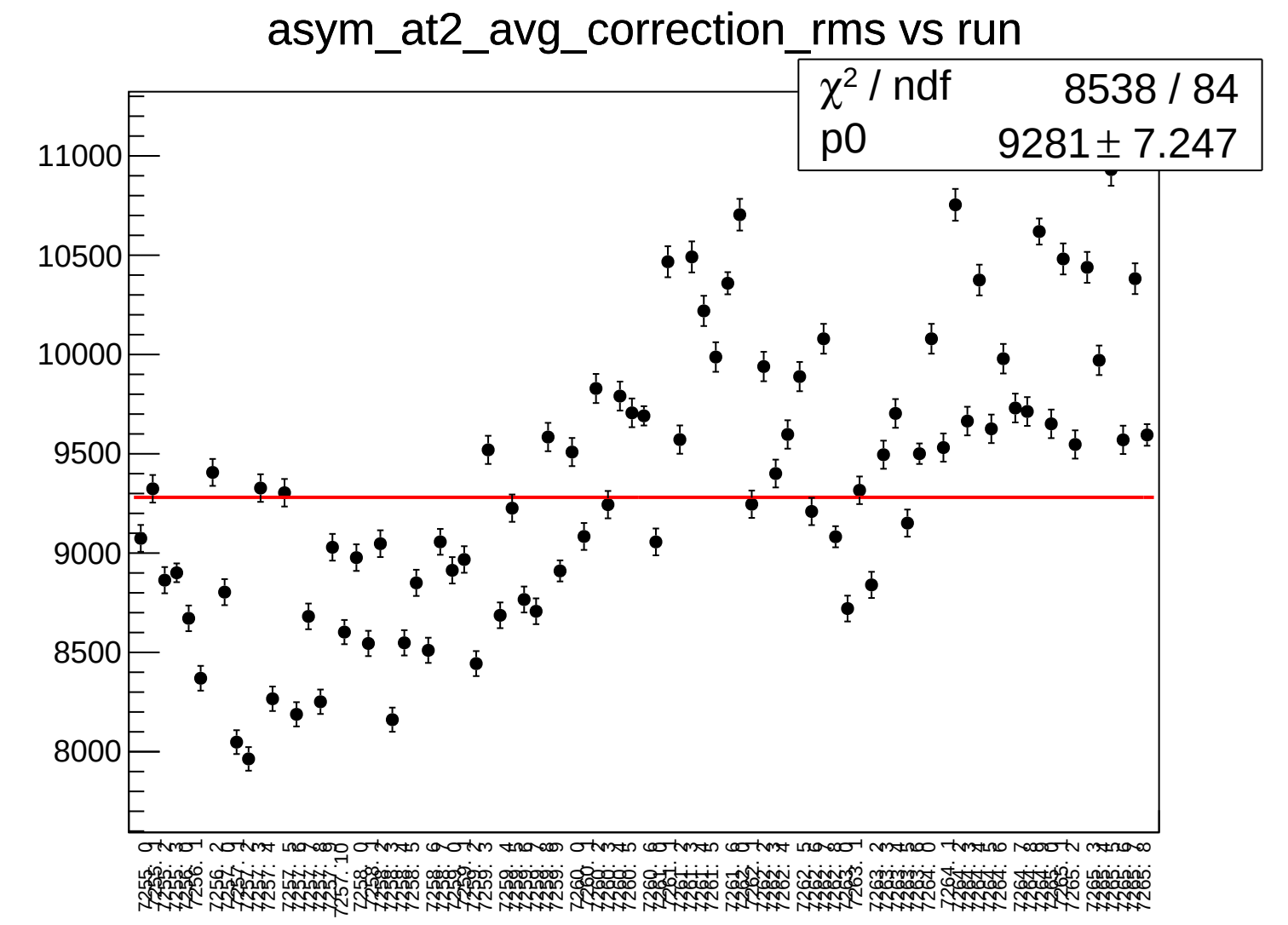

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 85.12 / 84
p0 −3364 ± 1922
pull
Entries 85
Mean 226
Std Dev 194.5

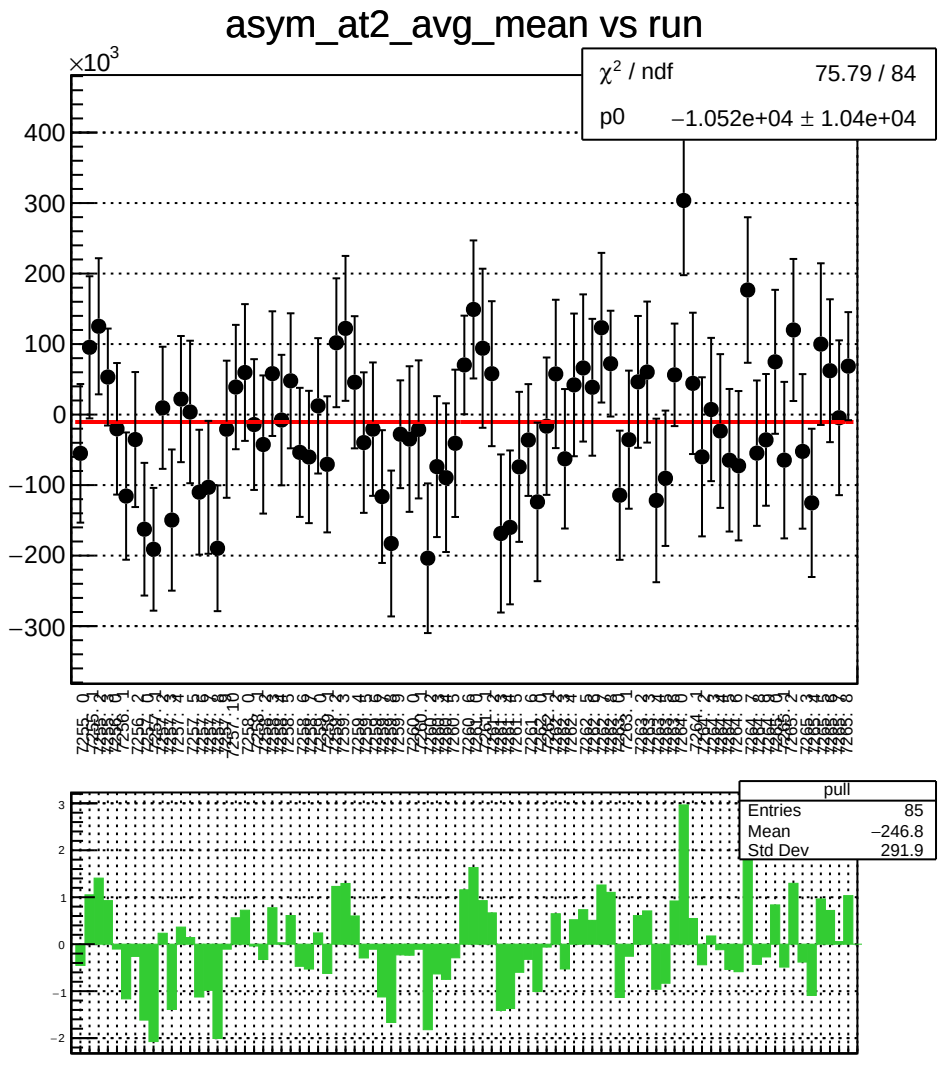

pull1D
Entries 85
Mean 0.01157
Std Dev 1.001

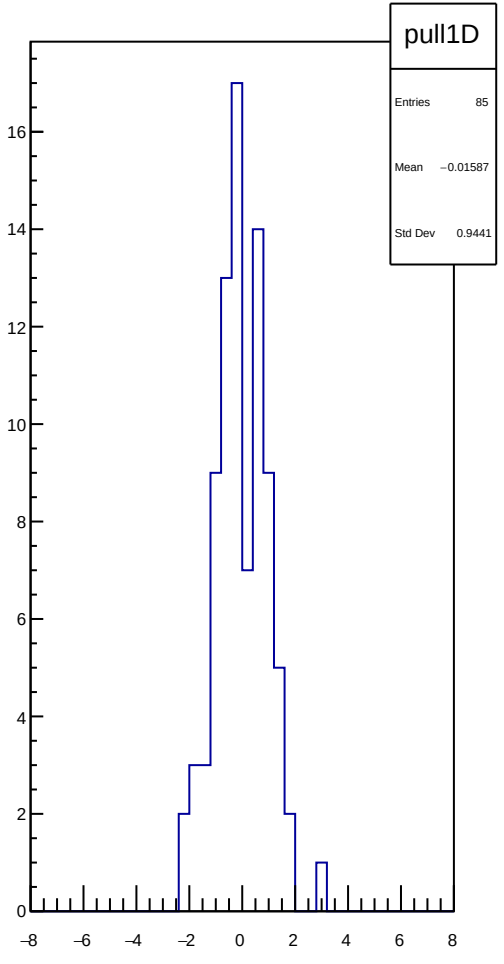

dit_asym_at2_avg_rms vs run
χ^2 / ndf 9968 / 84
p0 1740 ± 1.359
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

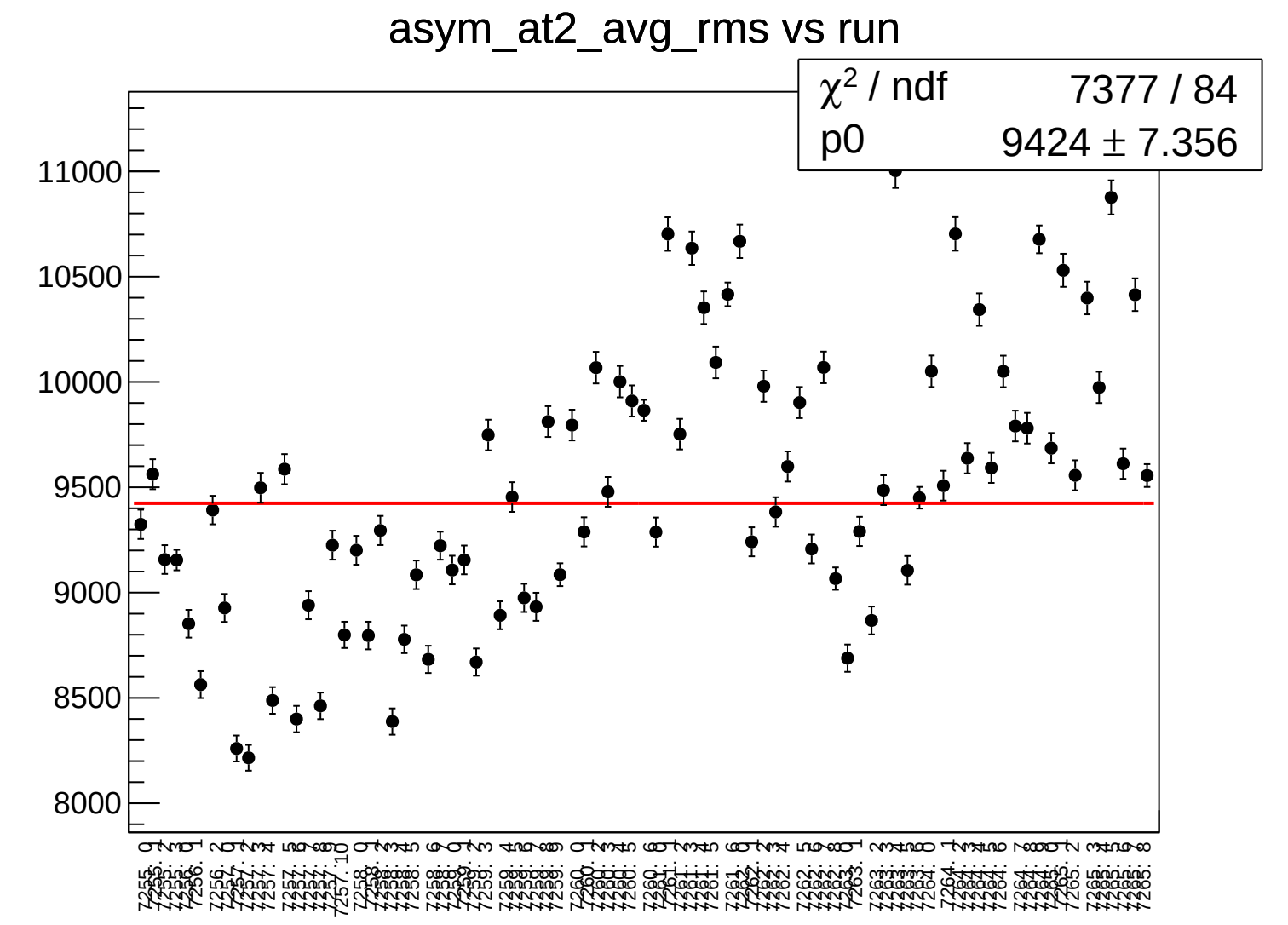

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 76.25 / 84
p0 7390 ± 1.025e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 85
Mean −218.2
Std Dev 264.8
2
1
0
−1
−2
−3

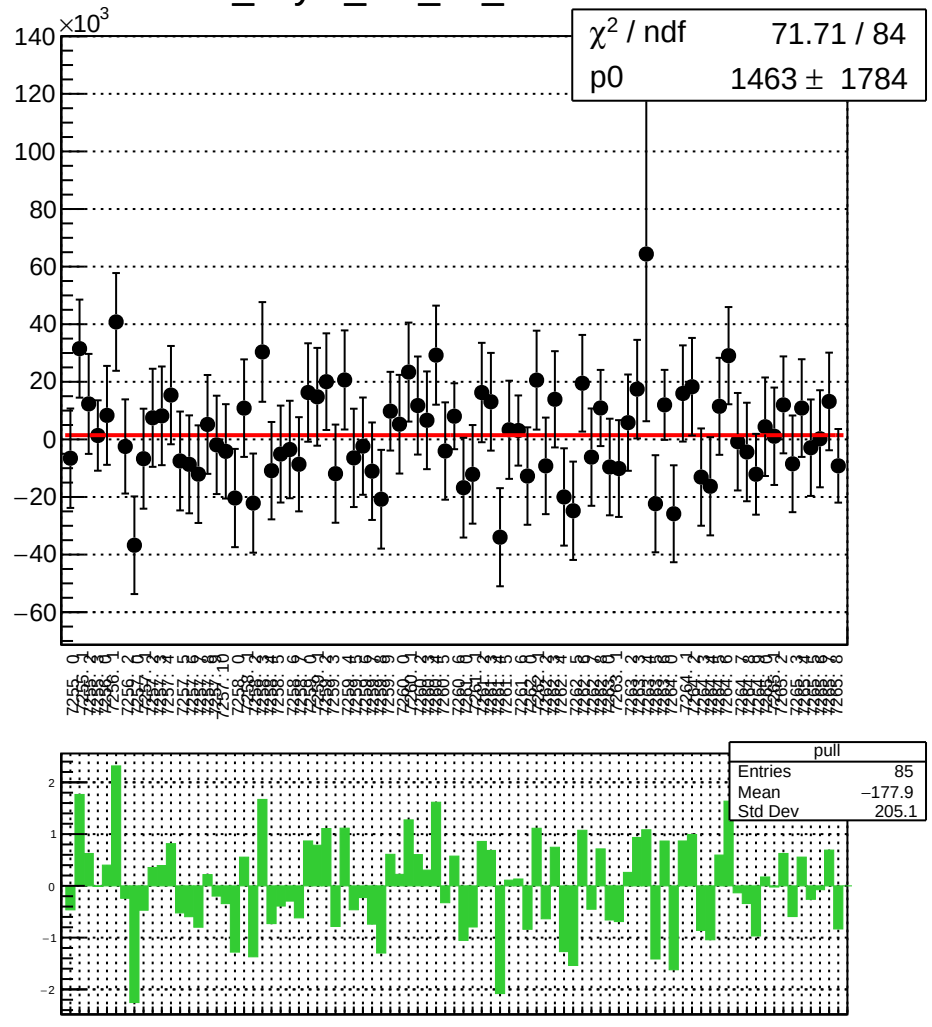

pull1D
Entries 85
Mean 0.01615
Std Dev 0.947
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

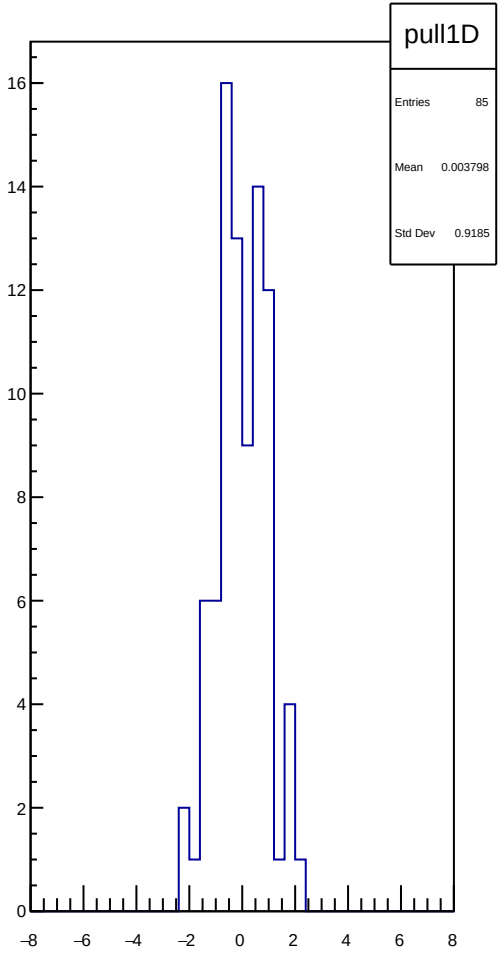

asym_at2_avg_correction_rms vs run
χ² / ndf 8538 / 84
p0 9281 ± 7.247
11000
10500
10000
9500
9000
8500
8000

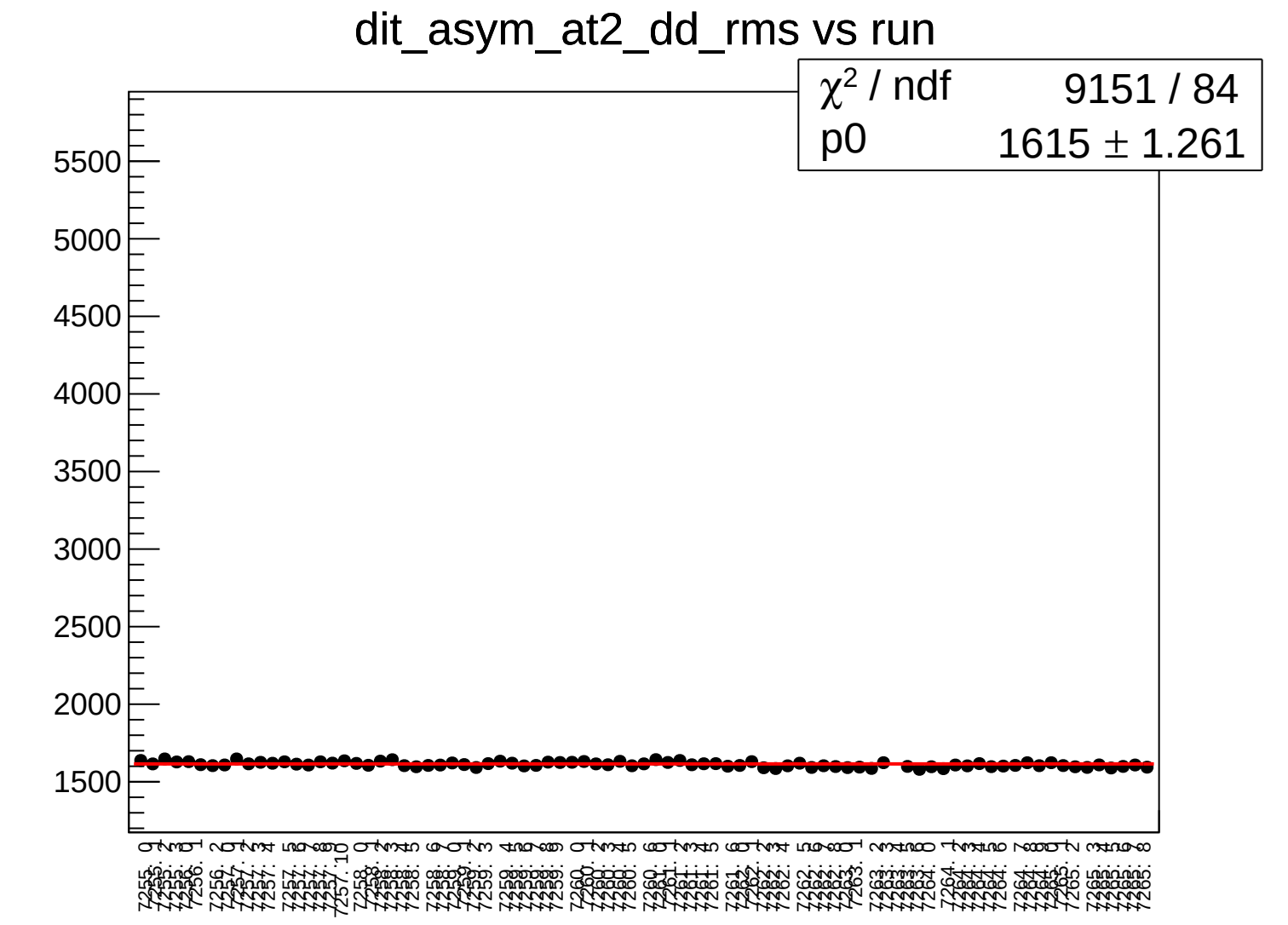

asym_at2_avg_mean vs run
×10^3
χ² / ndf 75.79 / 84
p0 −1.052e+04 ± 1.04e+04
pull
Entries 85
Mean −246.8
Std Dev 291.9

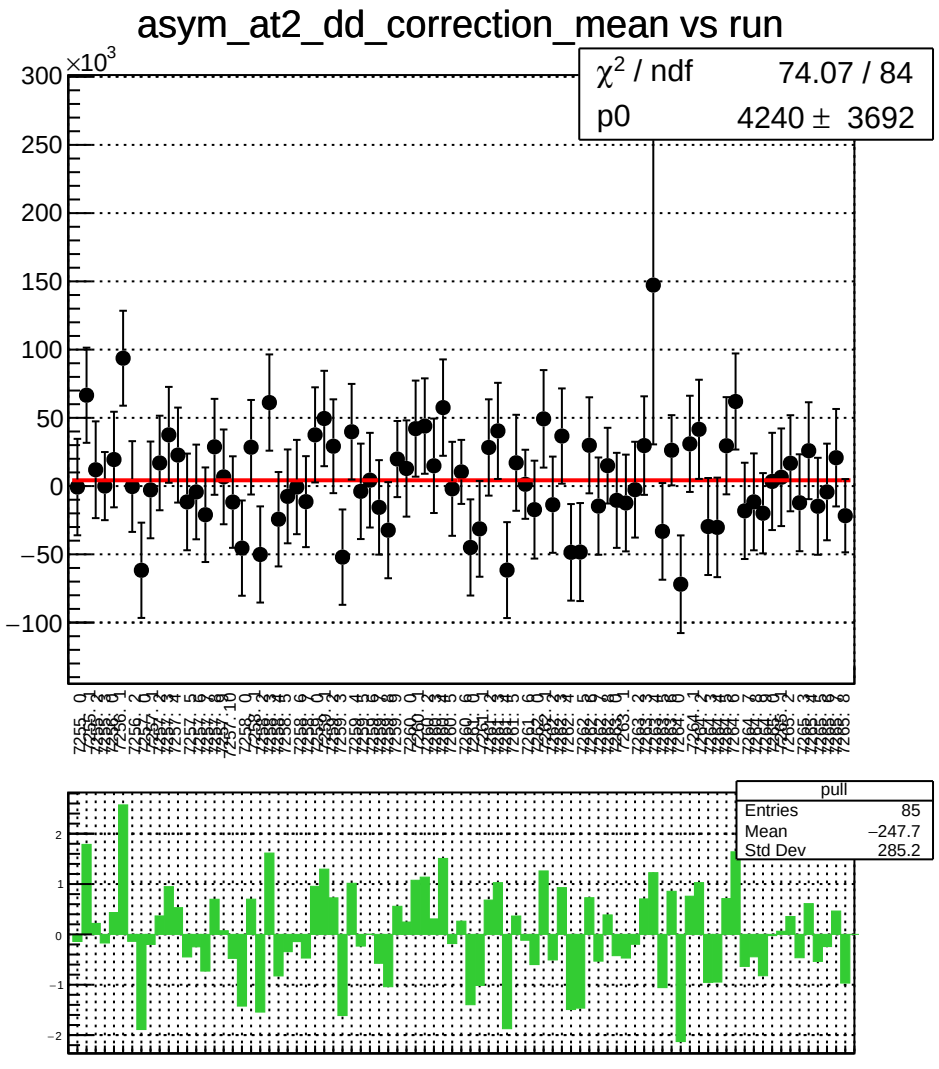

pull1D
Entries 85
Mean −0.01587
Std Dev 0.9441

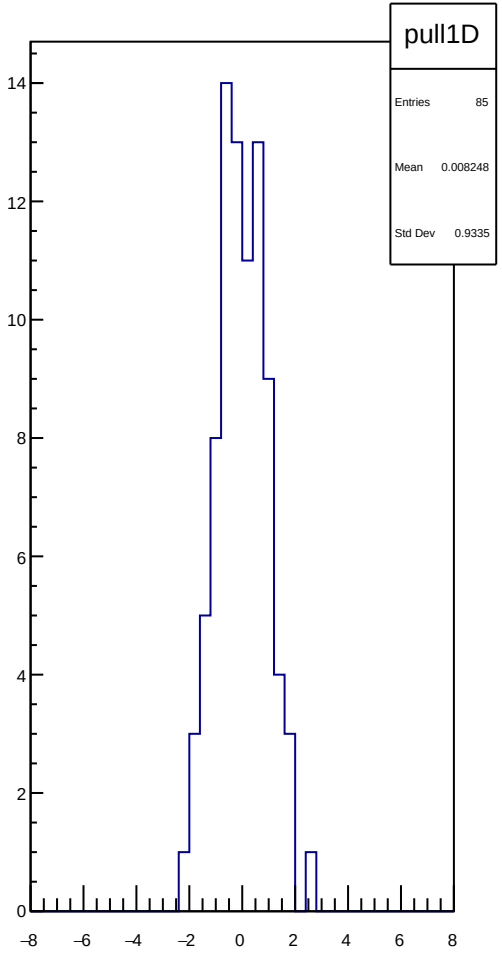

asym_at2_avg_rms vs run
χ^2 / ndf 7377 / 84
p0 9424 ± 7.356
11000
10500
10000
9500
9000
8500
8000

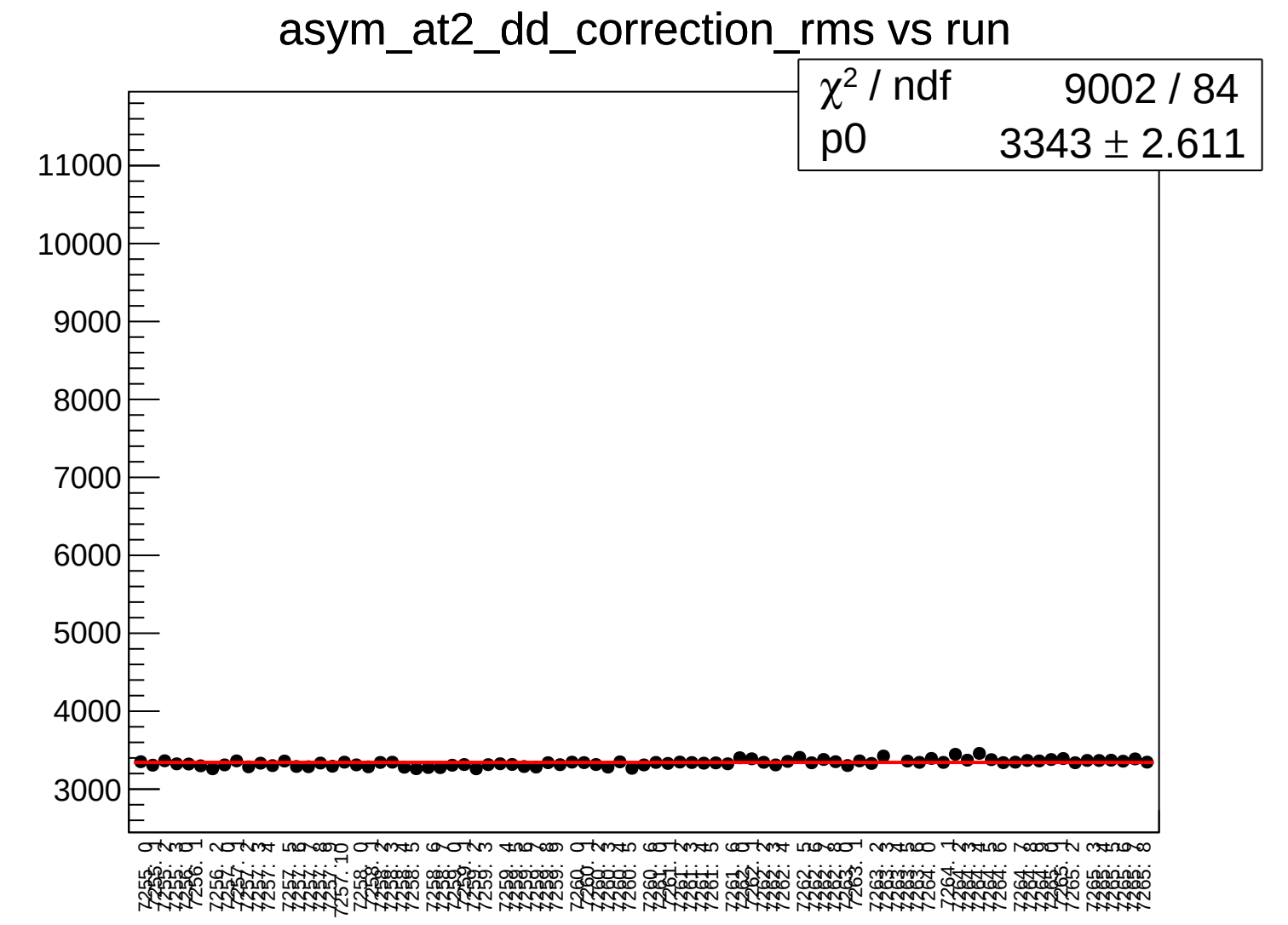

dit_asym_at2_dd_mean vs run
χ² / ndf 71.71 / 84
p0 1463 ± 1784
×10³
pull
Entries 85
Mean −177.9
Std Dev 205.1

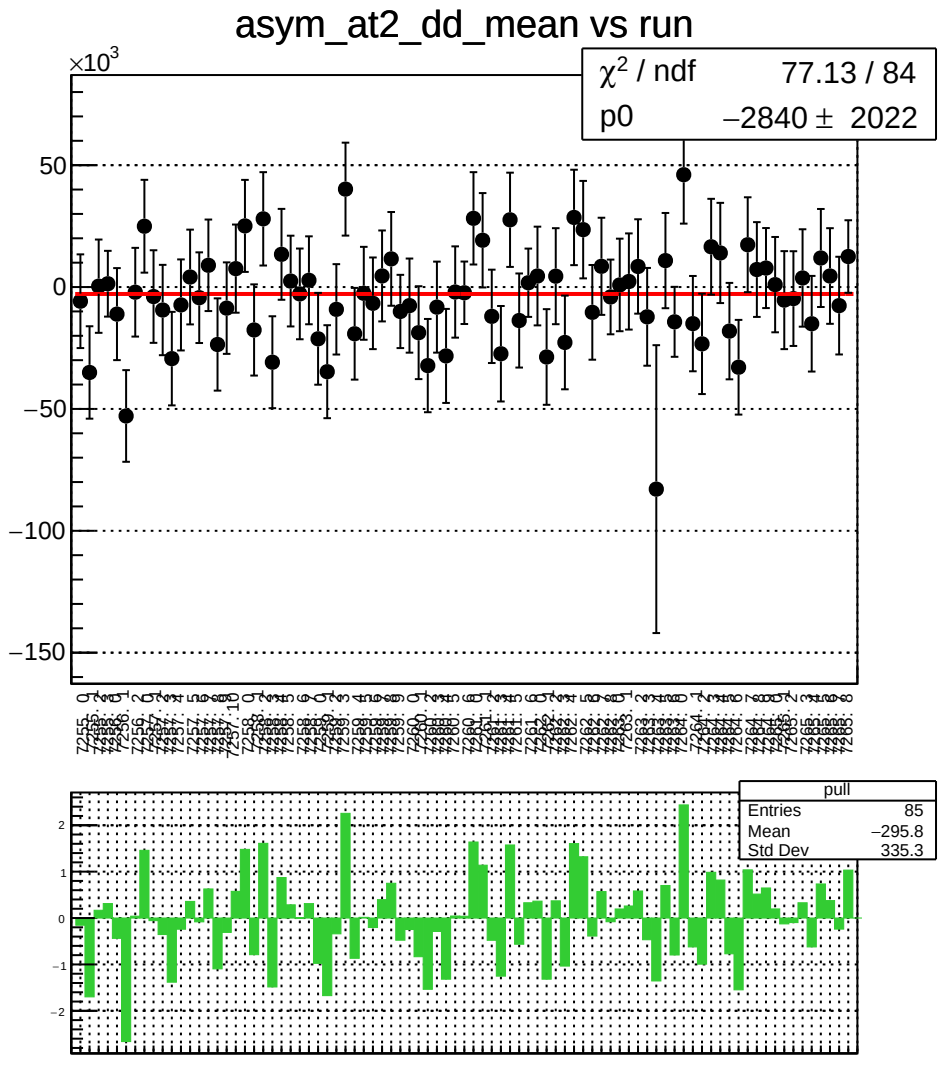

pull1D
Entries 85
Mean 0.003798
Std Dev 0.9185

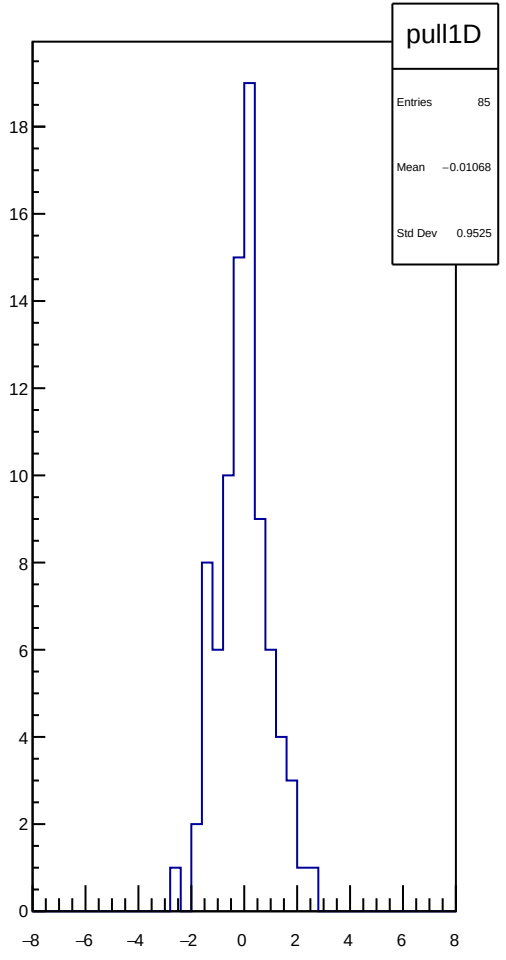

dit_asym_at2_dd_rms vs run
χ^2 / ndf 9151 / 84
p0 1615 ± 1.261
5500
5000
4500
4000
3500
3000
2500
2000
1500

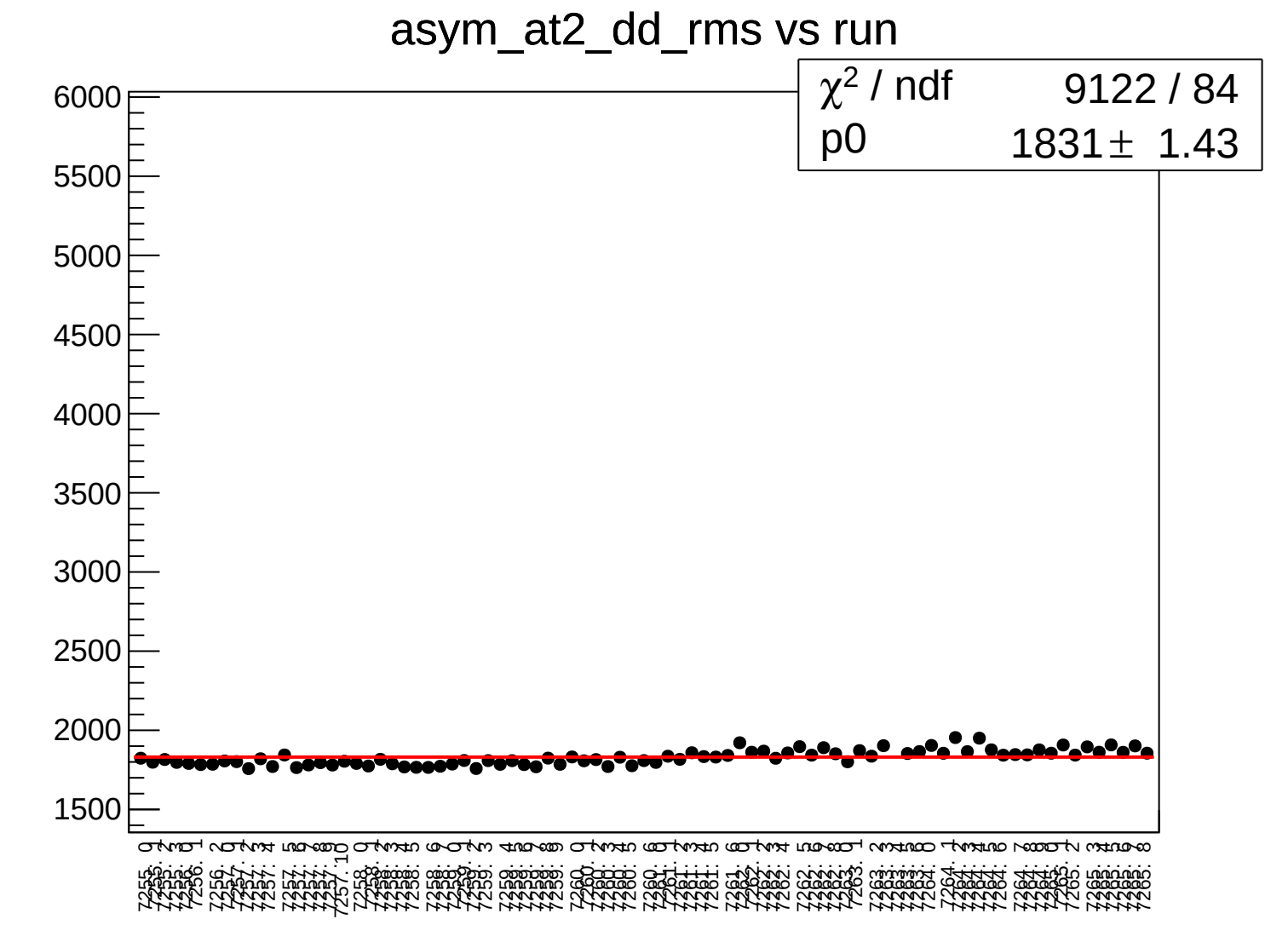

asym_at2_dd_correction_mean vs run
χ² / ndf 74.07 / 84
p0 4240 ± 3692
×10³
pull
Entries 85
Mean −247.7
Std Dev 285.2

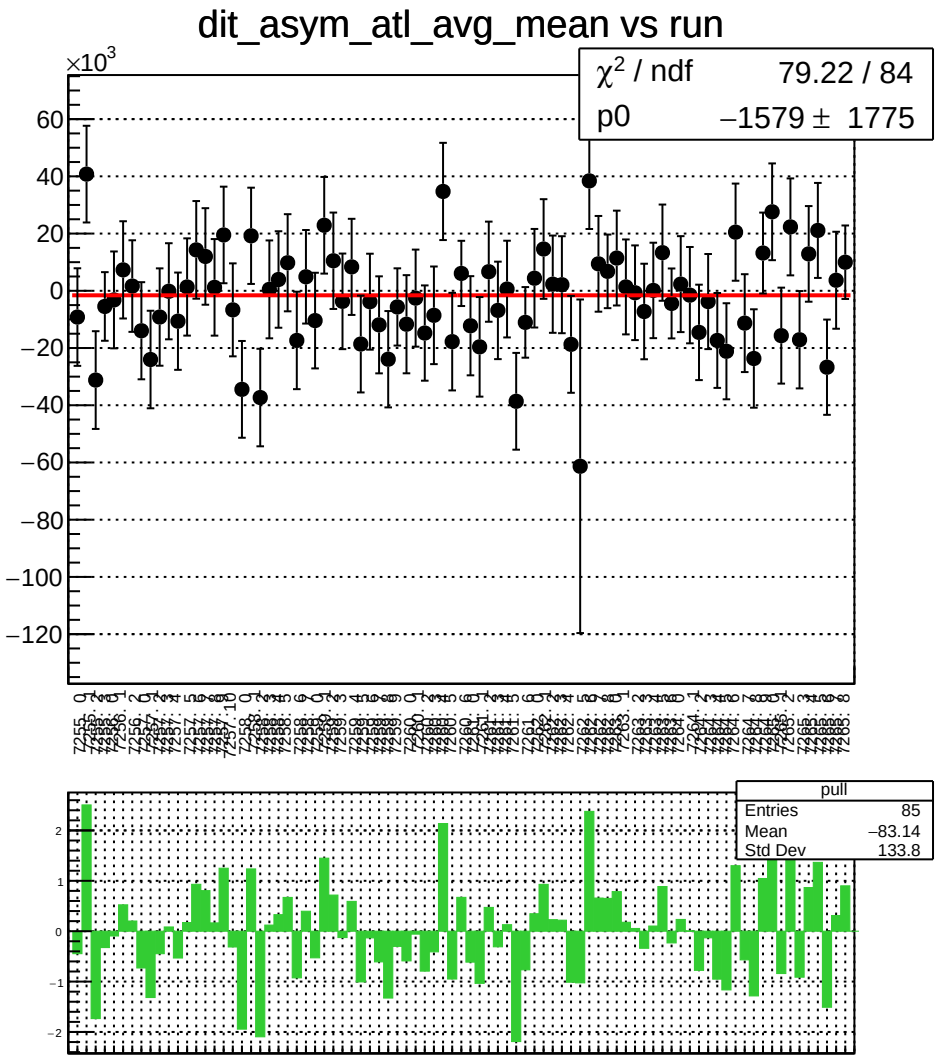

pull1D
Entries 85
Mean 0.008248
Std Dev 0.9335

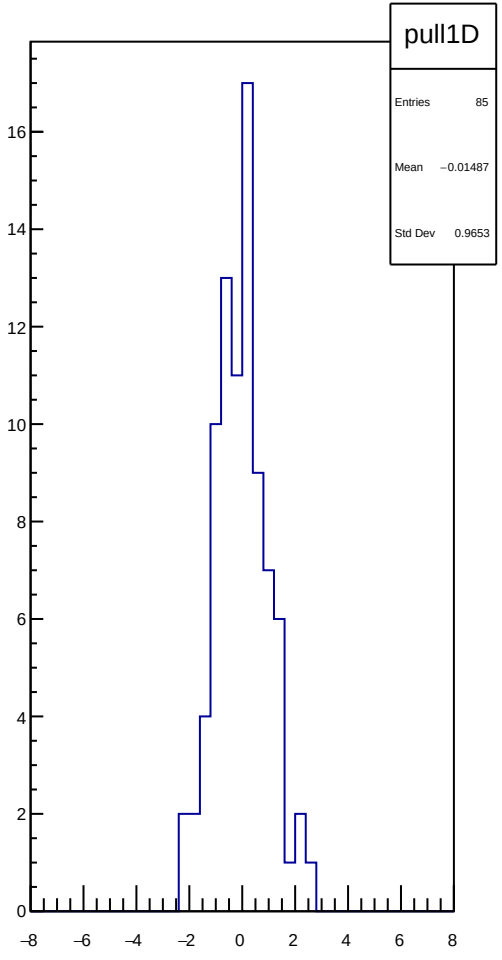

asym_at2_dd_correction_rms vs run
χ² / ndf 9002 / 84
p0 3343 ± 2.611
11000
10000
9000
8000
7000
6000
5000
4000
3000

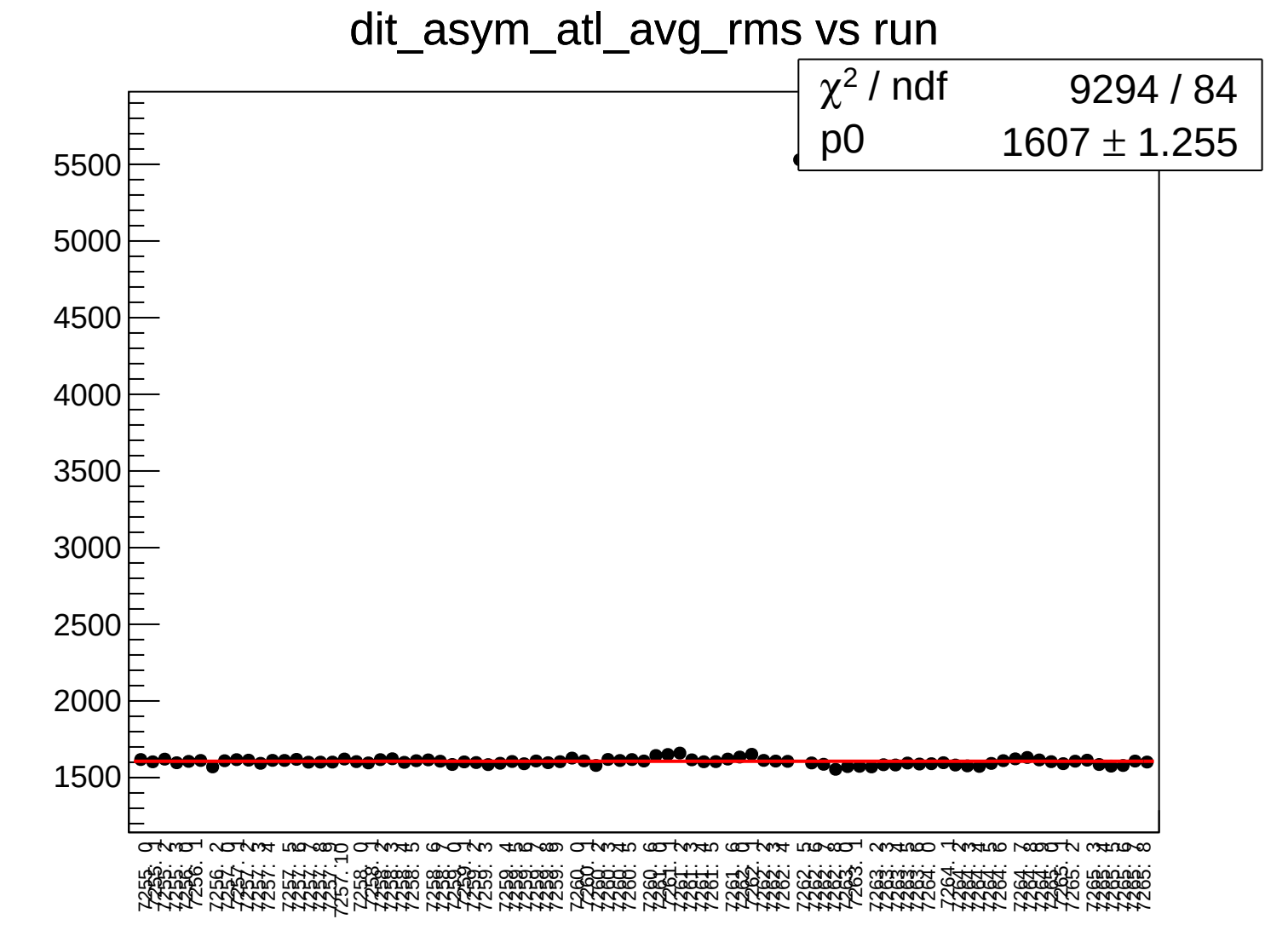

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 77.13 / 84
p0 −2840 ± 2022
50
0
−50
−100
−150
pull
Entries 85
Mean −295.8
Std Dev 335.3
2
1
0
−1
−2

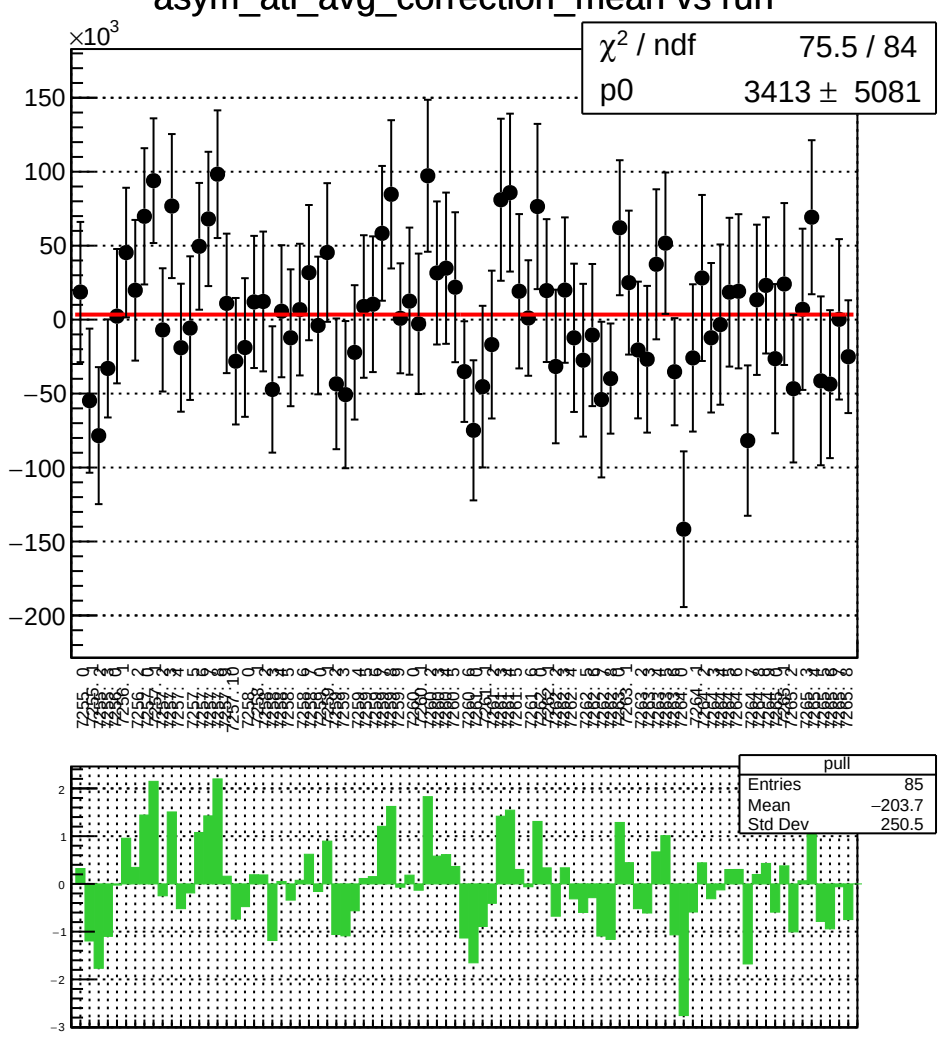

pull1D
Entries 85
Mean −0.01068
Std Dev 0.9525
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

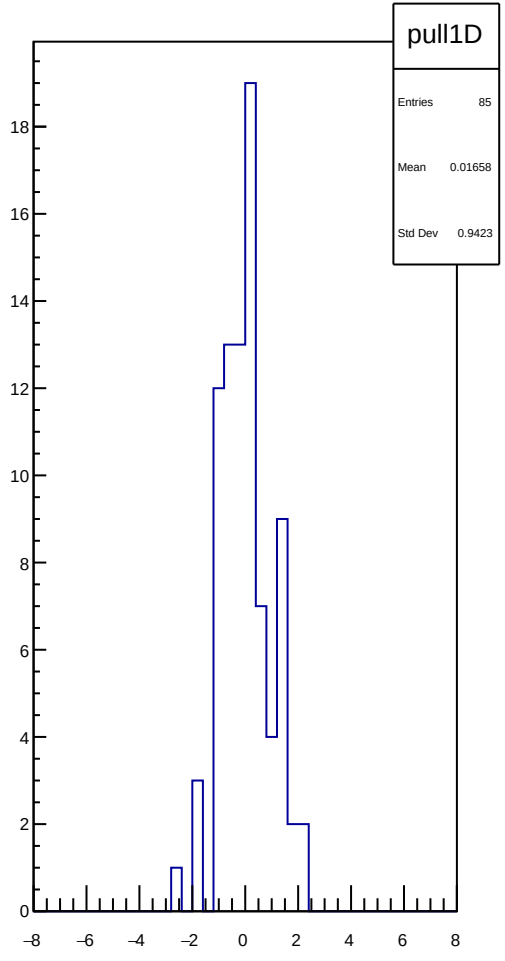

asym_at2_dd_rms vs run
χ^2 / ndf 9122 / 84
p0 1831 ± 1.43
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

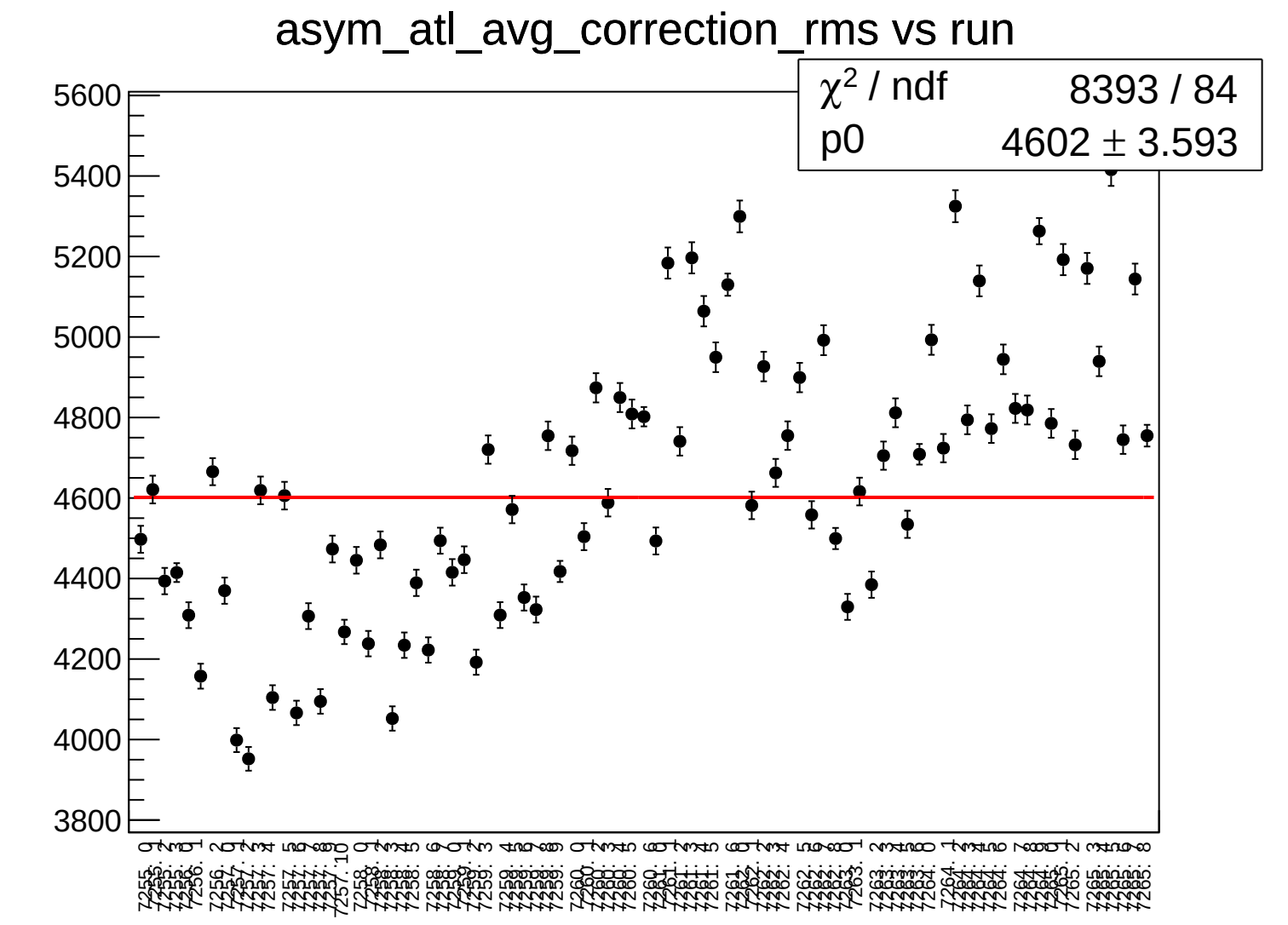

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 79.22 / 84
p0 −1579 ± 1775
pull
Entries 85
Mean −83.14
Std Dev 133.8

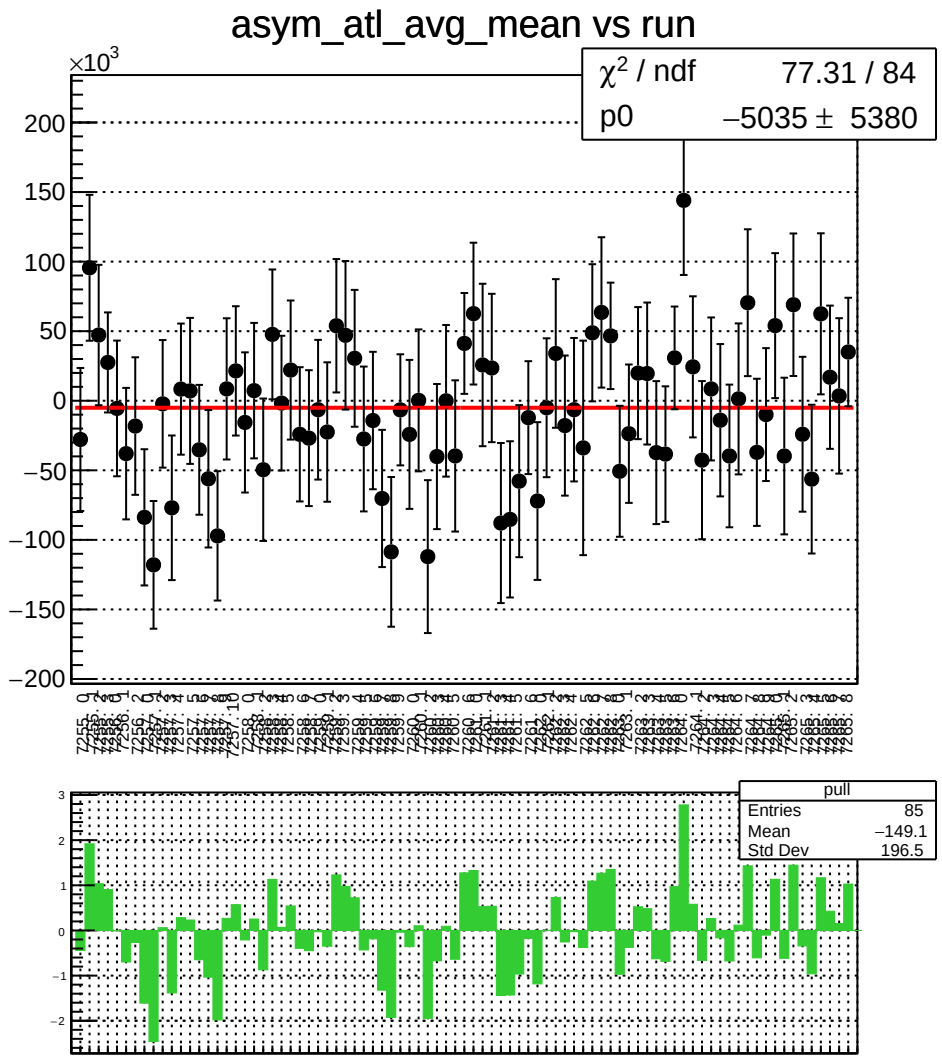

pull1D
Entries 85
Mean −0.01487
Std Dev 0.9653

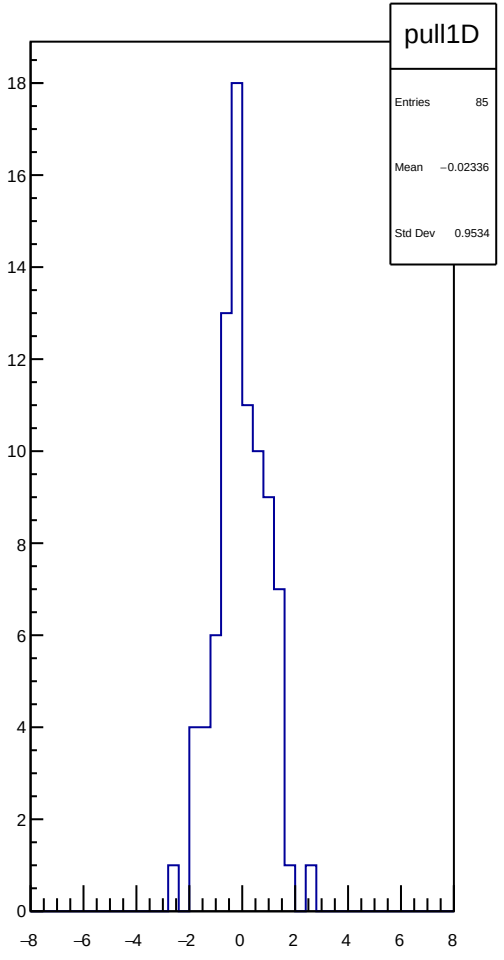

dit_asym_atl_avg_rms vs run
χ² / ndf 9294 / 84
p0 1607 ± 1.255
5500
5000
4500
4000
3500
3000
2500
2000
1500

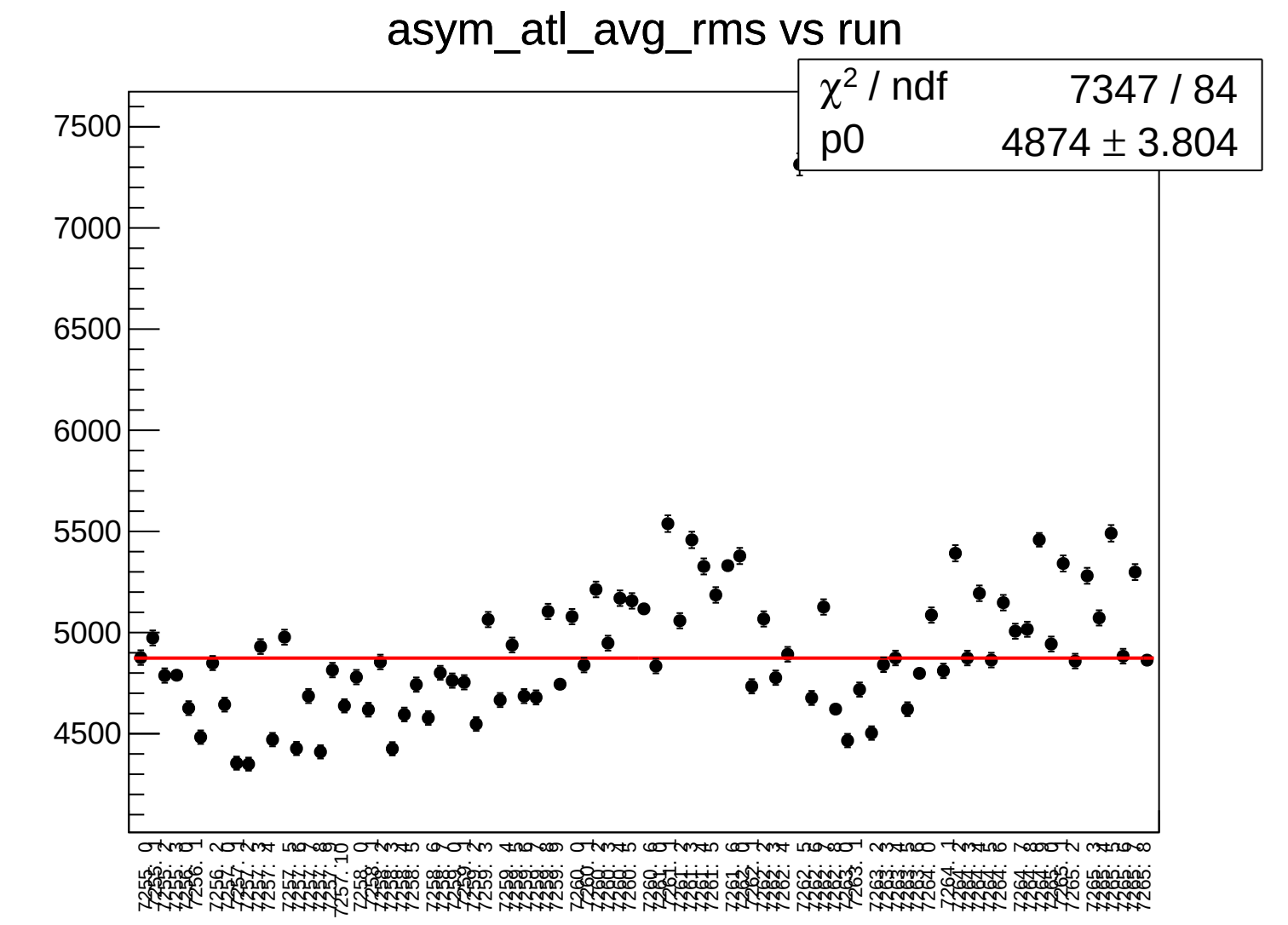

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 75.5 / 84
p0 3413 ± 5081
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −203.7
Std Dev 250.5
2
1
0
−1
−2
−3

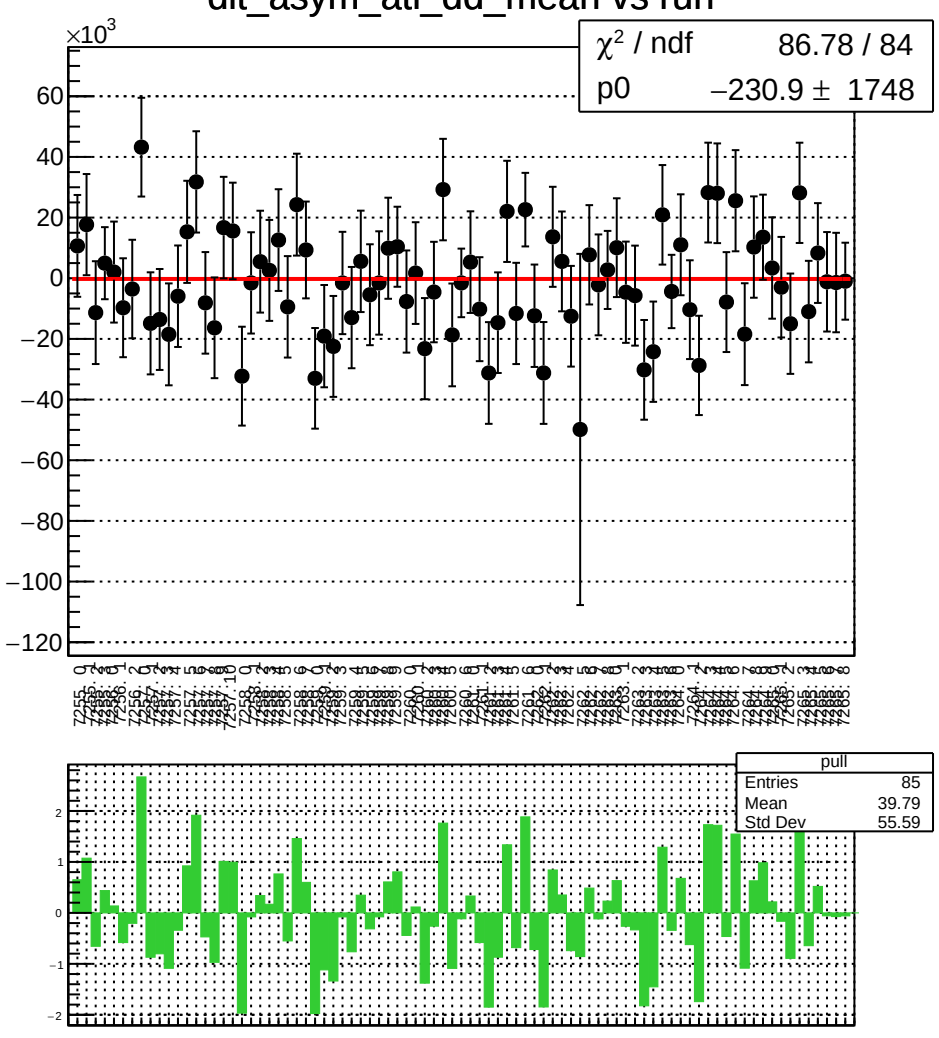

pull1D
Entries 85
Mean 0.01658
Std Dev 0.9423
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

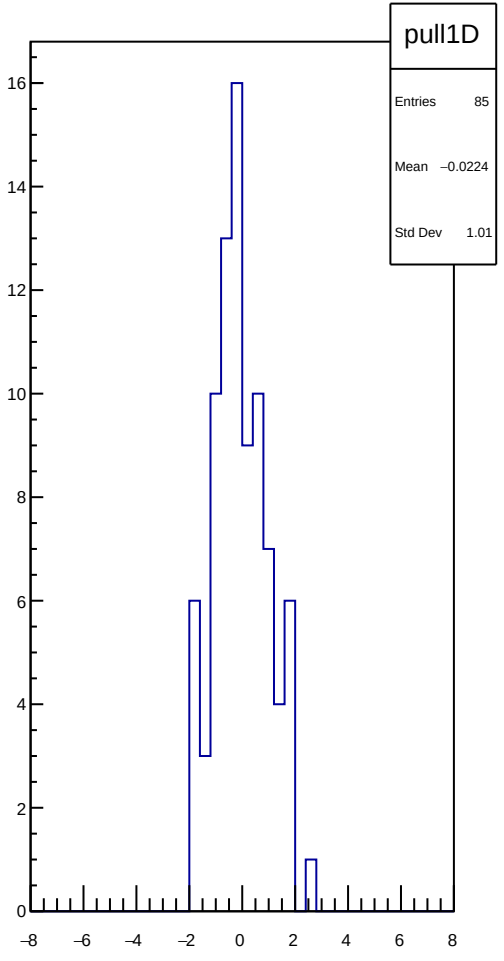

asym_atl_avg_correction_rms vs run
χ² / ndf 8393 / 84
p0 4602 ± 3.593
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

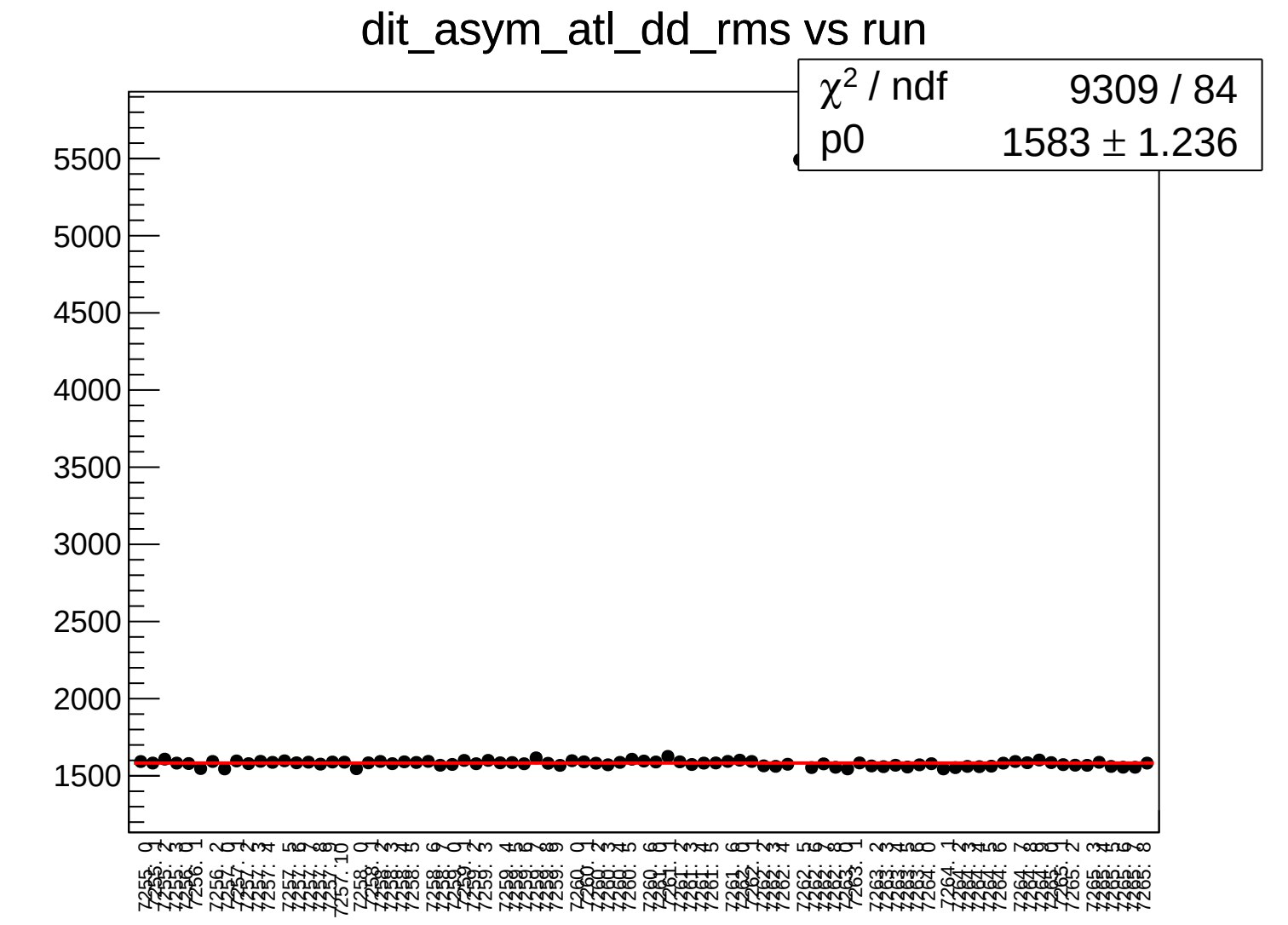

asym_atl_avg_mean vs run
×10^3
χ² / ndf 77.31 / 84
p0 −5035 ± 5380
pull
Entries 85
Mean −149.1
Std Dev 196.5

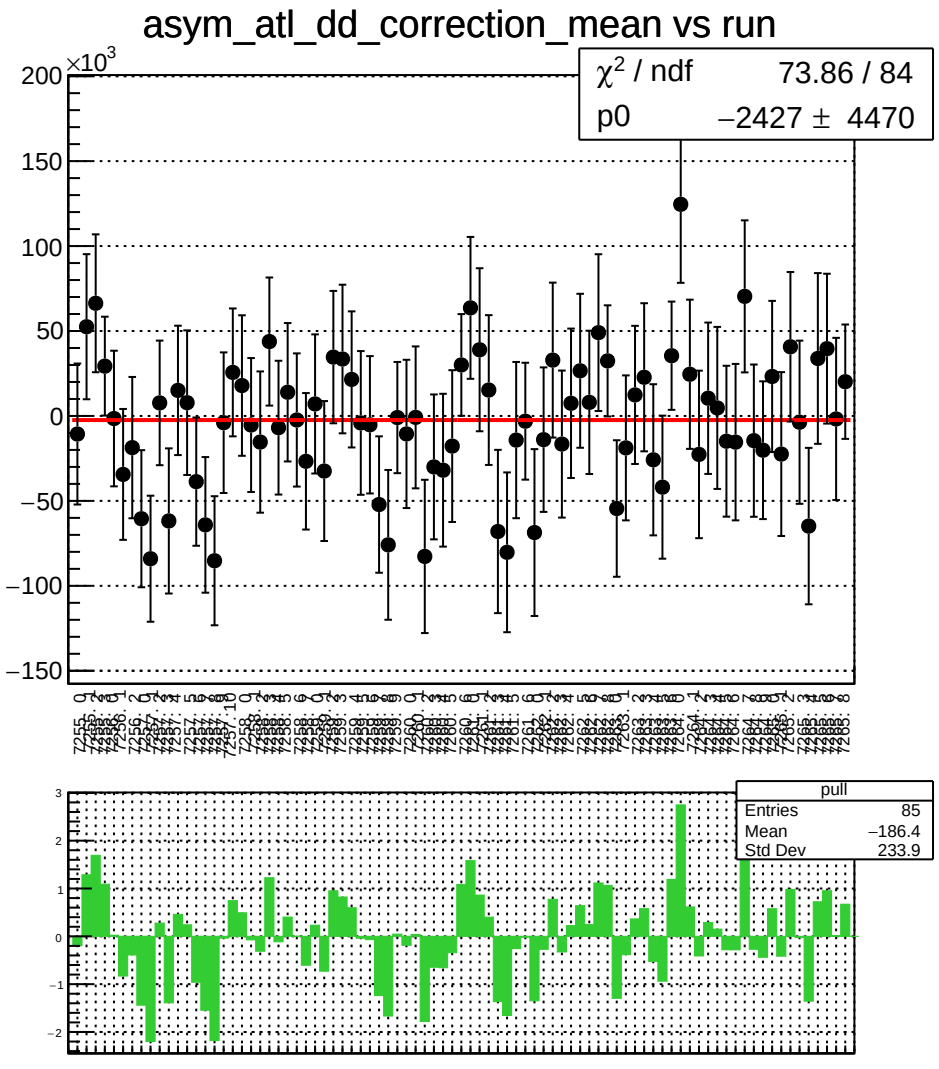

pull1D
Entries 85
Mean −0.02336
Std Dev 0.9534

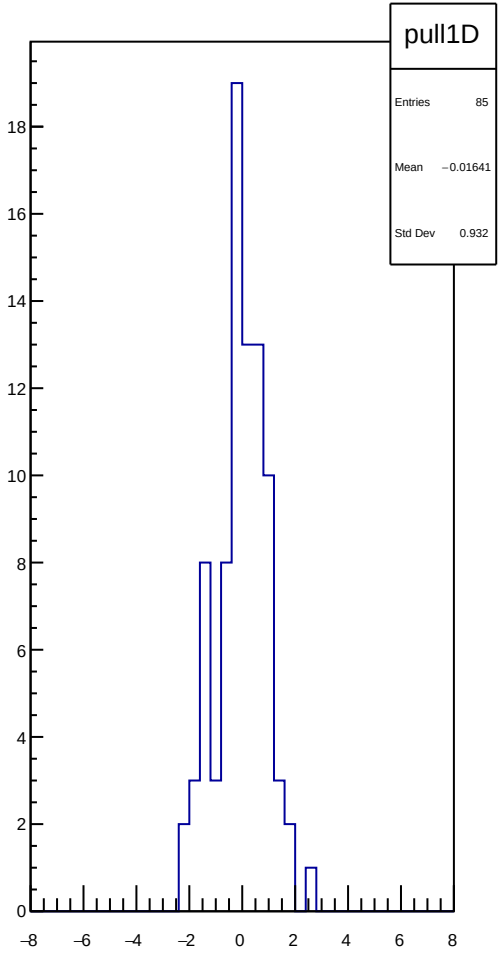

asym_atl_avg_rms vs run
χ^2 / ndf 7347 / 84
p0 4874 ± 3.804
7500
7000
6500
6000
5500
5000
4500

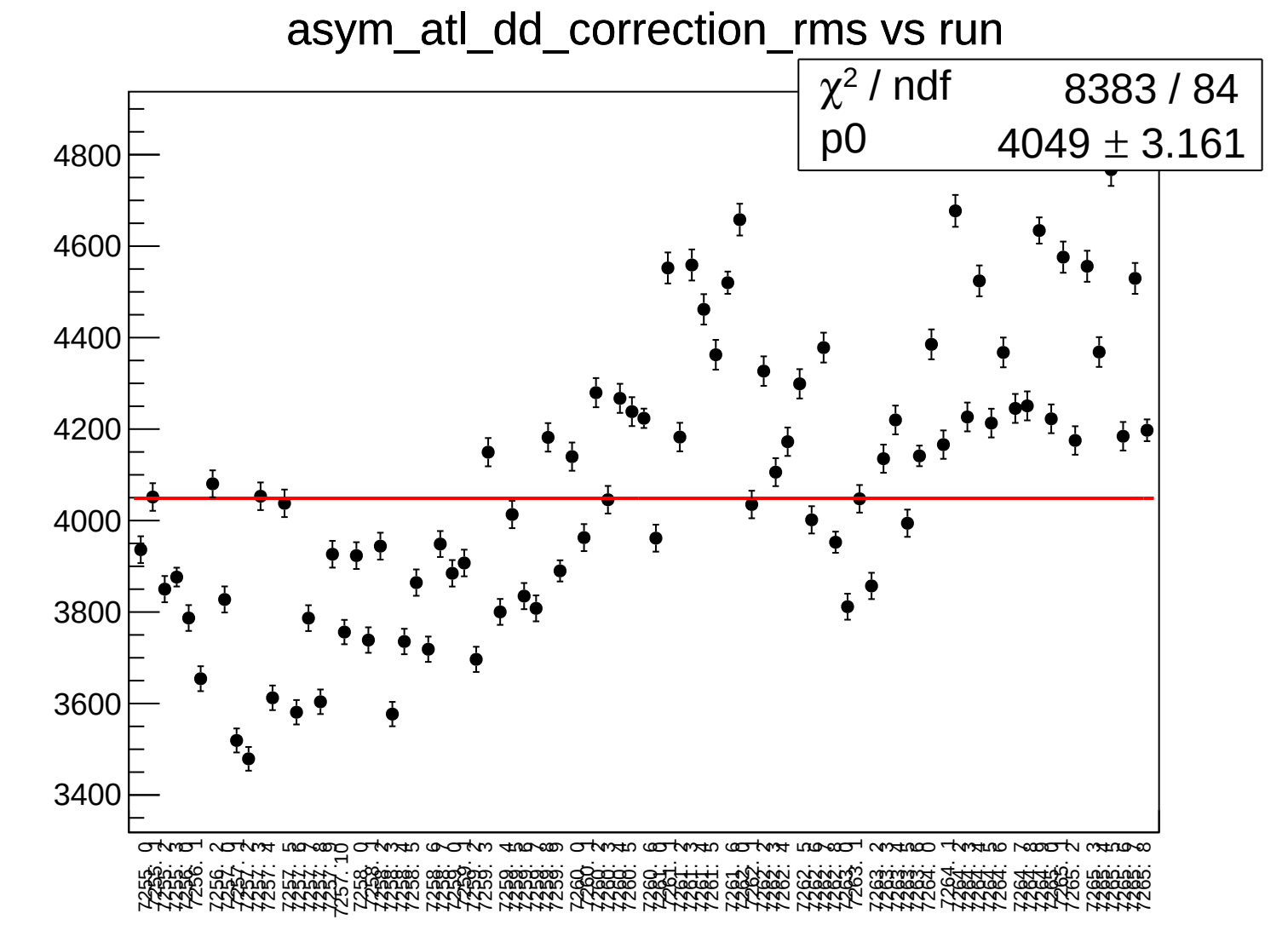

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 86.78 / 84
p0 −230.9 ± 1748
pull
Entries 85
Mean 39.79
Std Dev 55.59

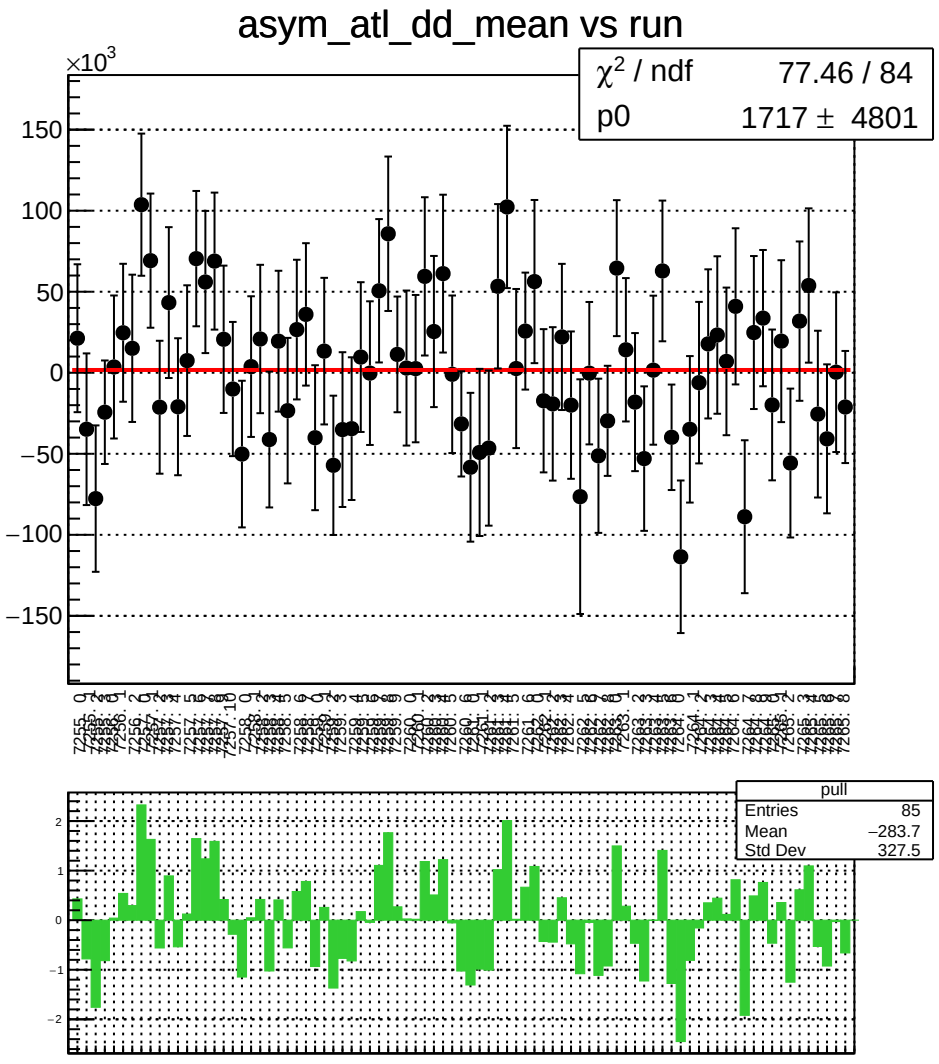

pull1D
Entries 85
Mean −0.0224
Std Dev 1.01

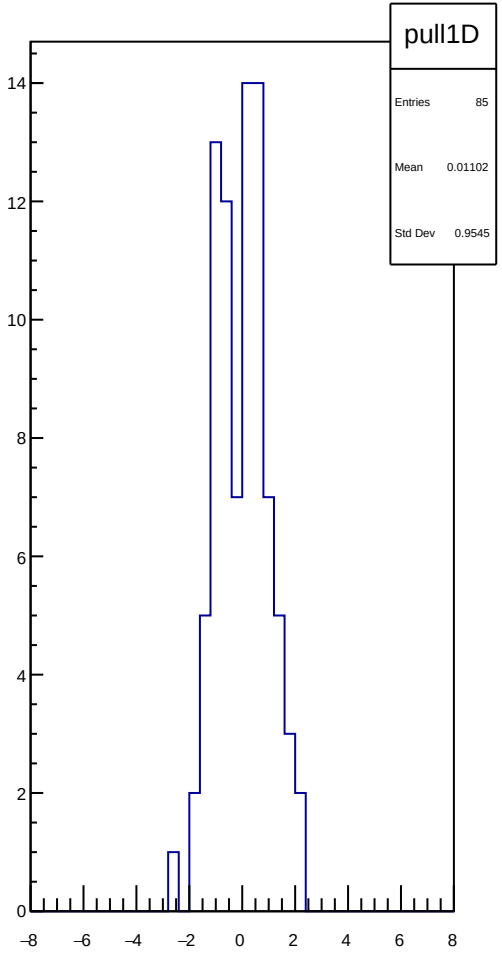

dit_asym_atl_dd_rms vs run
χ^2 / ndf 9309 / 84
p0 1583 ± 1.236
5500
5000
4500
4000
3500
3000
2500
2000
1500

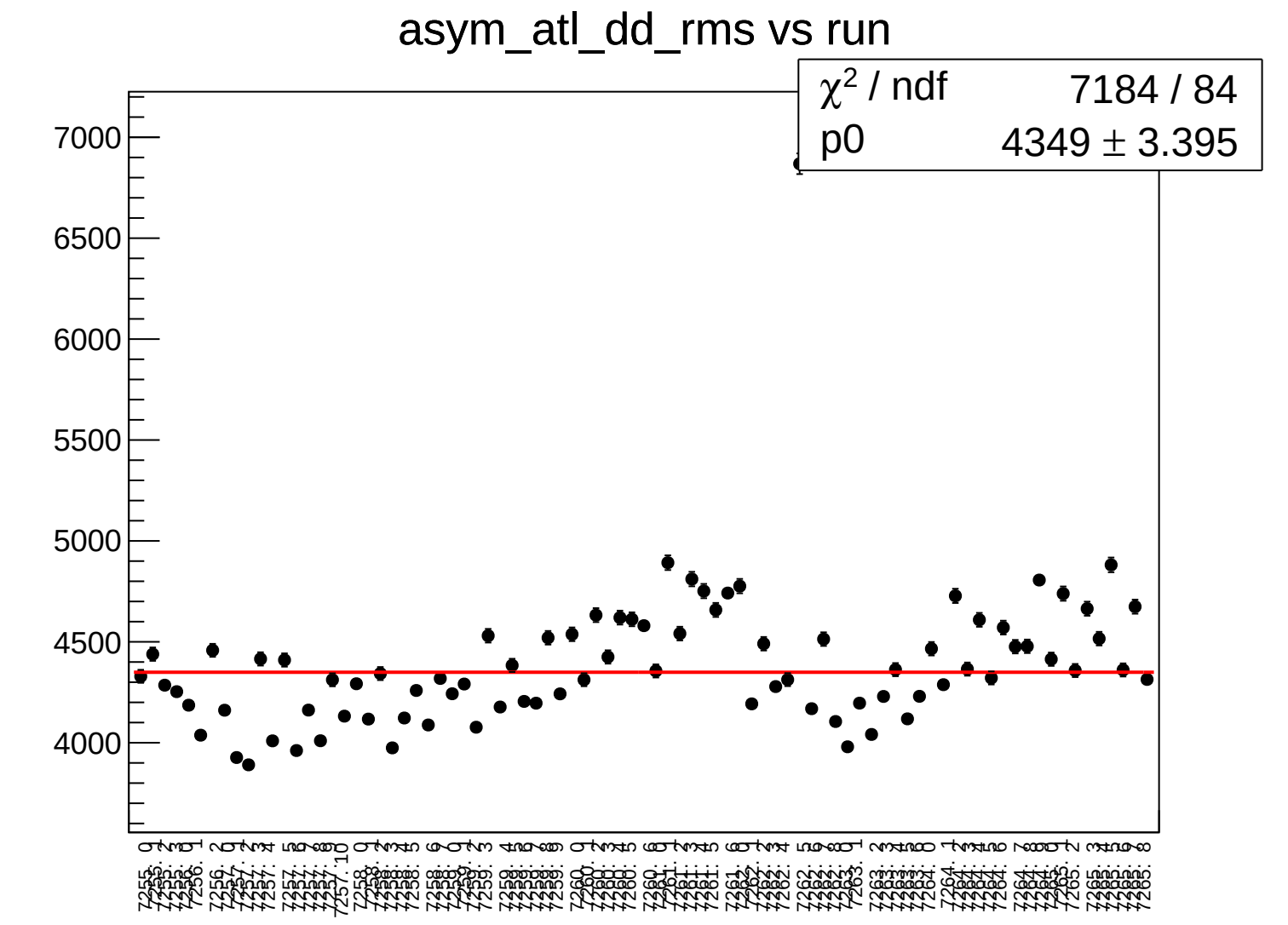

asym_atl_dd_correction_mean vs run
χ² / ndf 73.86 / 84
p0 −2427 ± 4470
×10³
pull
Entries 85
Mean −186.4
Std Dev 233.9

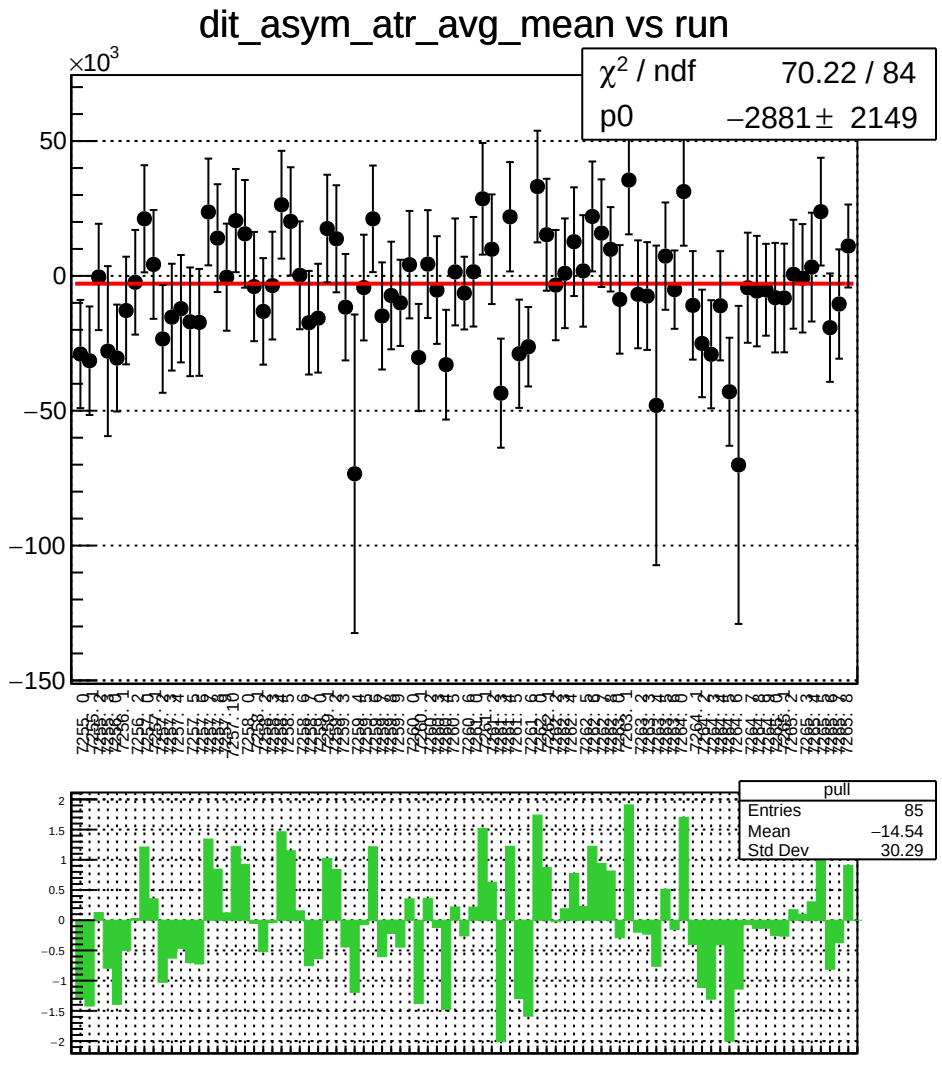

pull1D
Entries 85
Mean −0.01641
Std Dev 0.932

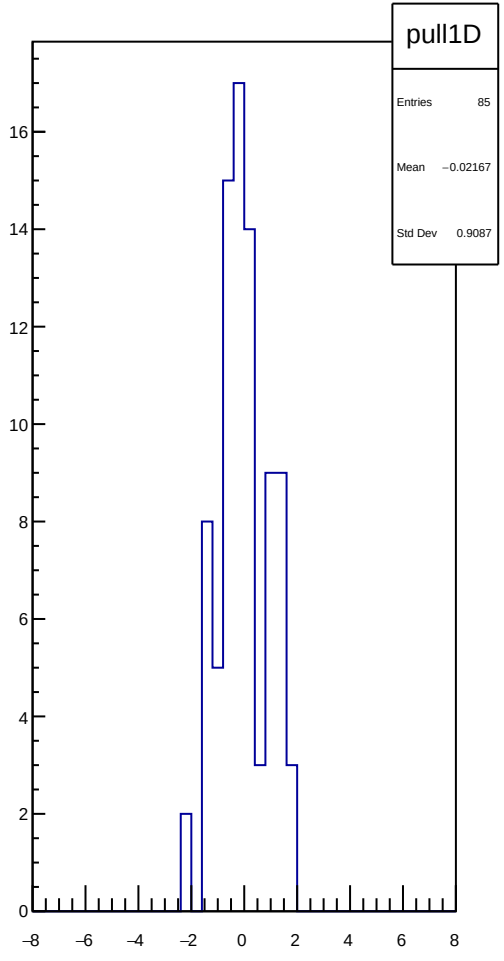

asym_atl_dd_correction_rms vs run
χ² / ndf 8383 / 84
p0 4049 ± 3.161
4800
4600
4400
4200
4000
3800
3600
3400

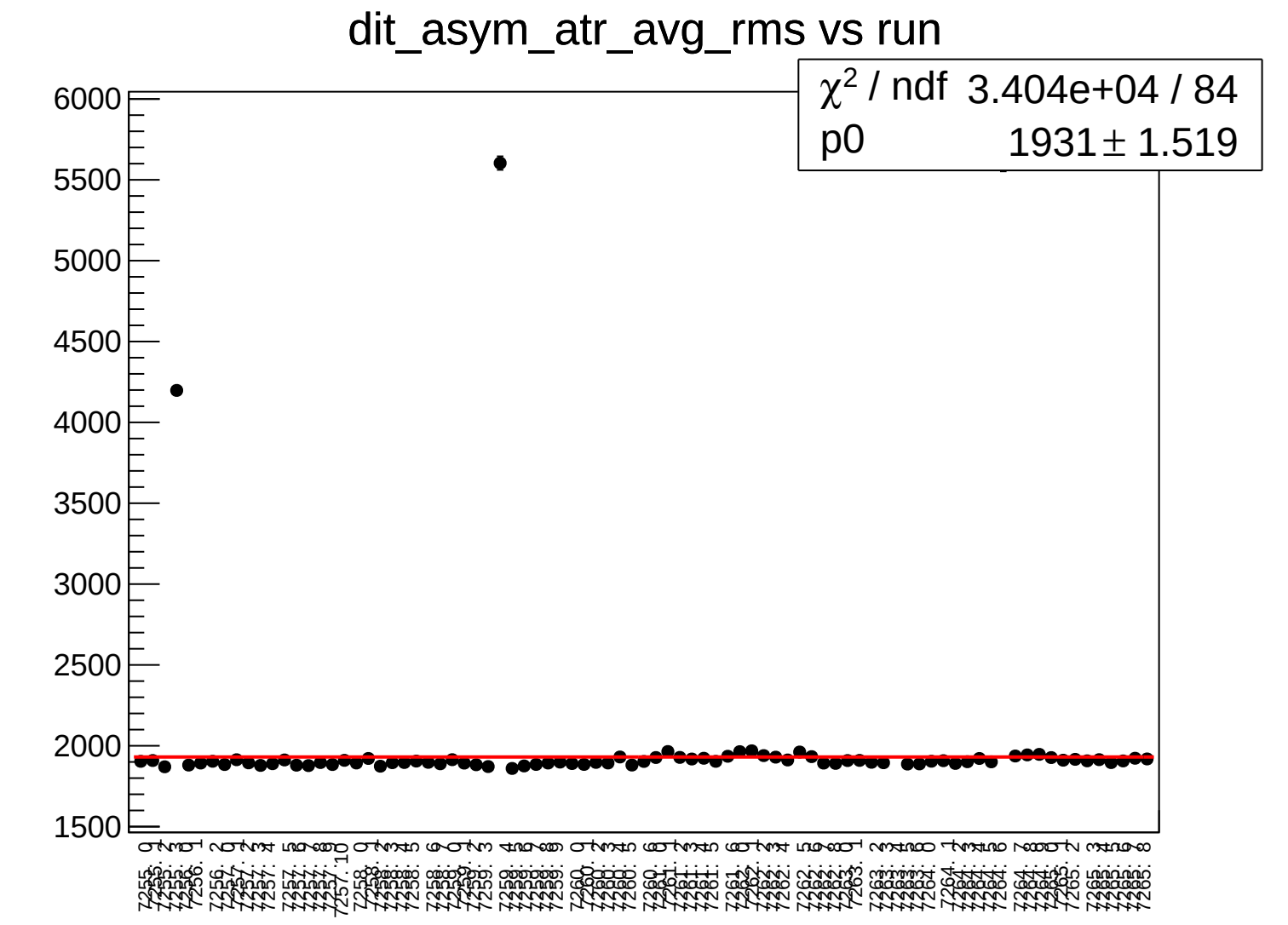

asym_atl_dd_mean vs run
×10^3
χ² / ndf 77.46 / 84
p0 1717 ± 4801
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −283.7
Std Dev 327.5
2
1
0
−1
−2

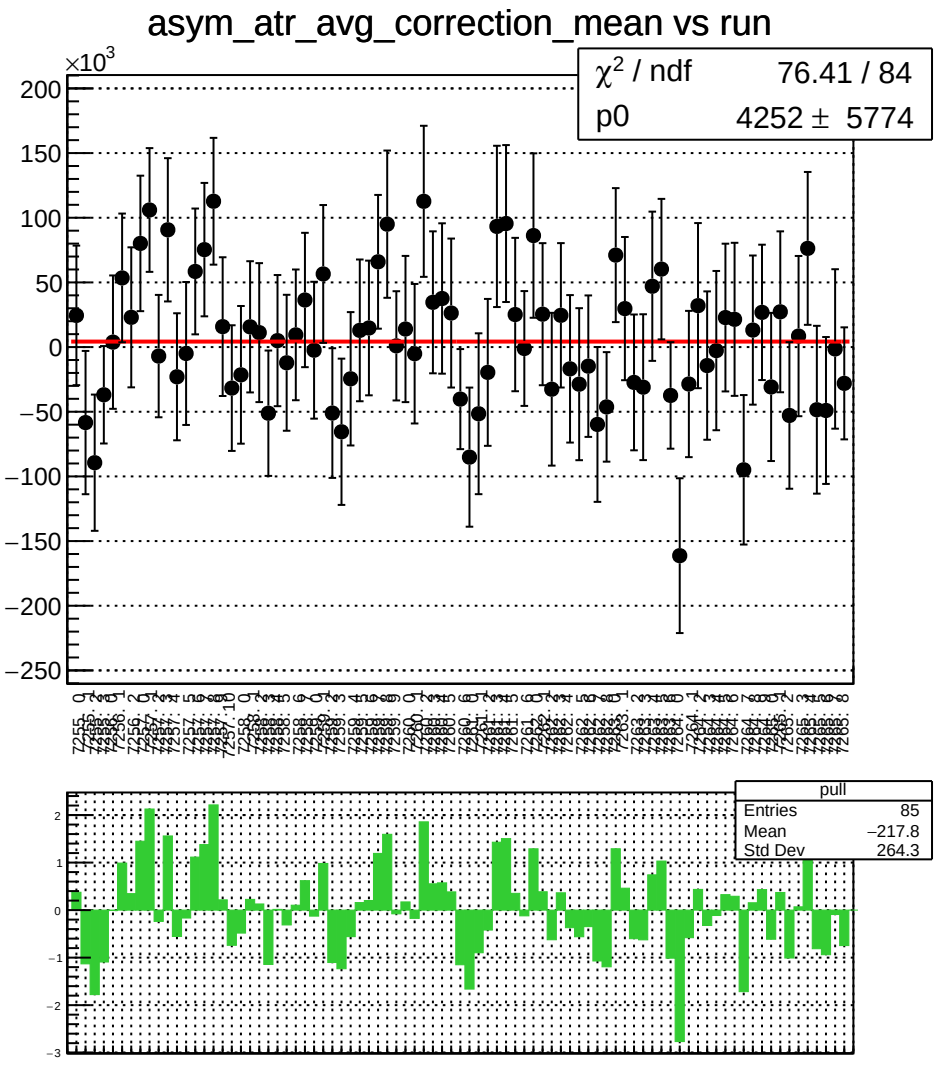

pull1D
Entries 85
Mean 0.01102
Std Dev 0.9545
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

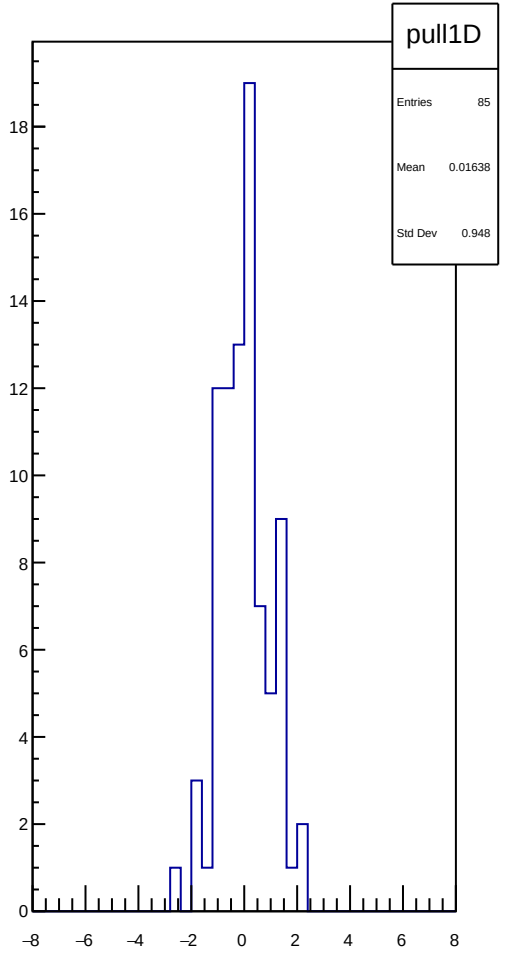

asym_atl_dd_rms vs run
χ^2 / ndf 7184 / 84
p0 4349 ± 3.395
7000
6500
6000
5500
5000
4500
4000

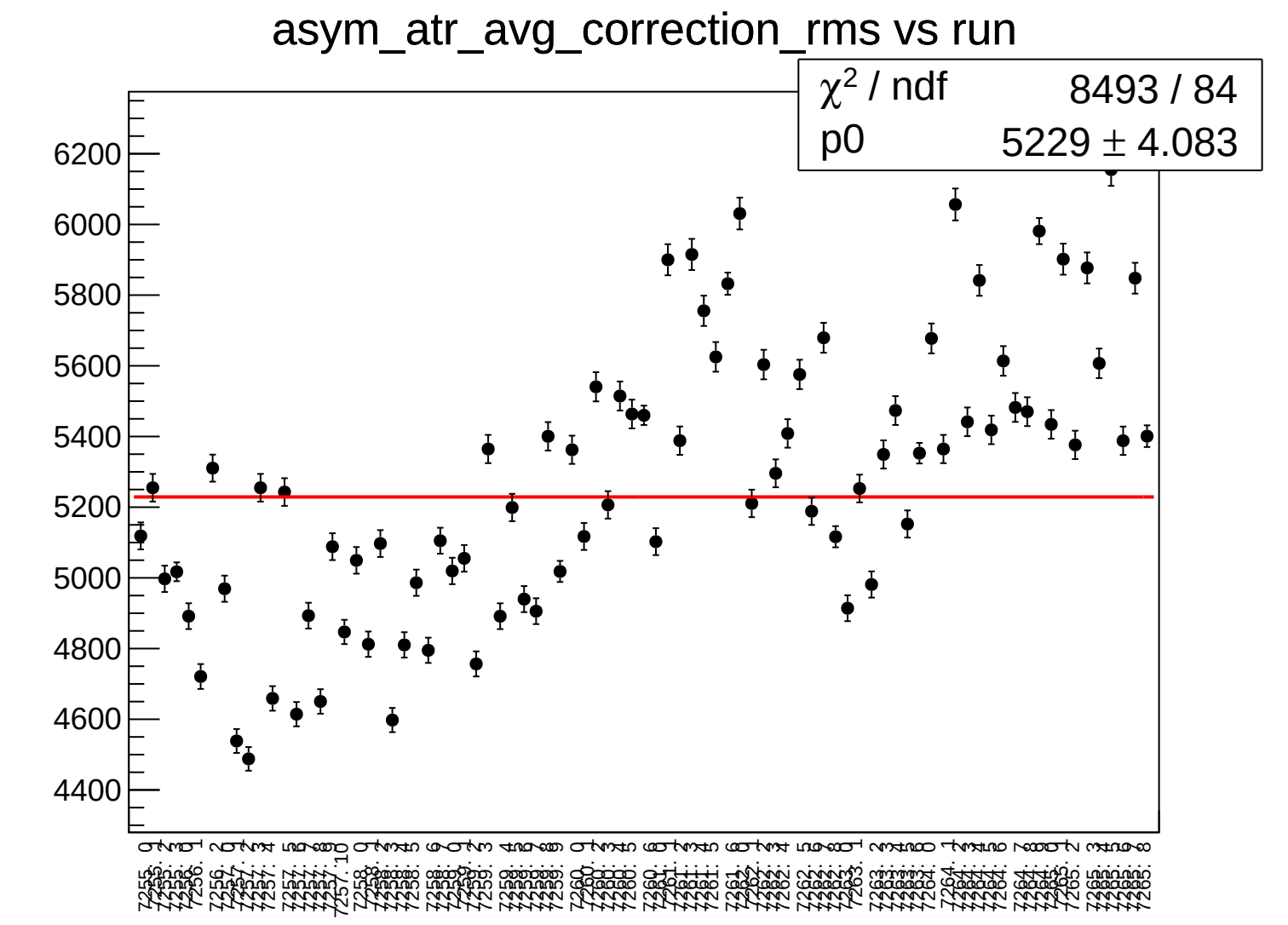

dit_asym_atr_avg_mean vs run
×10^3
χ² / ndf 70.22 / 84
p0 −2881 ± 2149
50
0
−50
−100
−150
pull
Entries 85
Mean −14.54
Std Dev 30.29
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

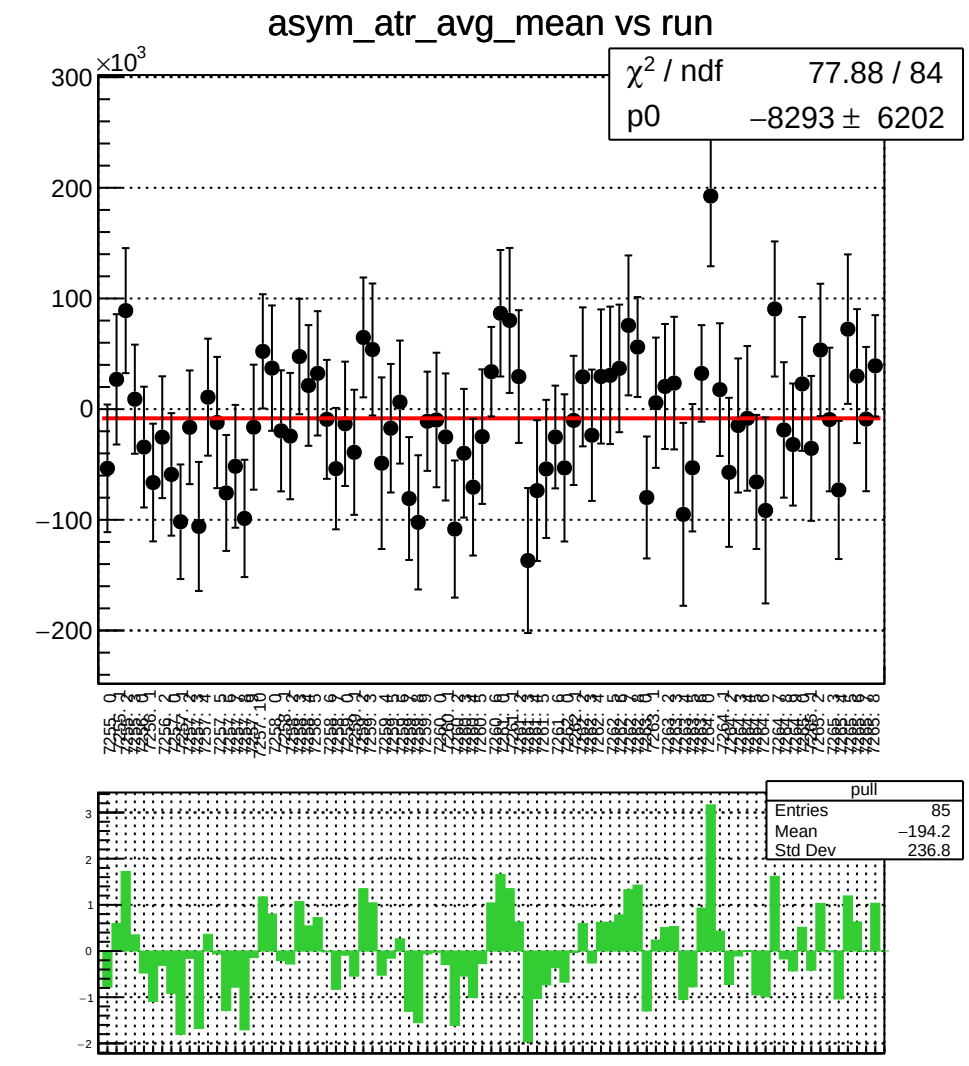

pull1D
Entries 85
Mean −0.02167
Std Dev 0.9087
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

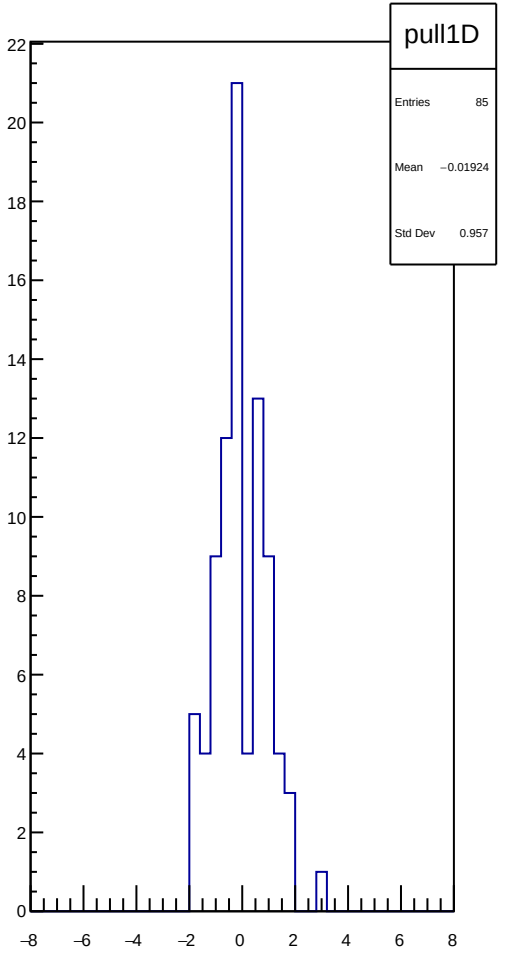

dit_asym_atr_avg_rms vs run
χ² / ndf 3.404e+04 / 84
p0 1931 ± 1.519
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

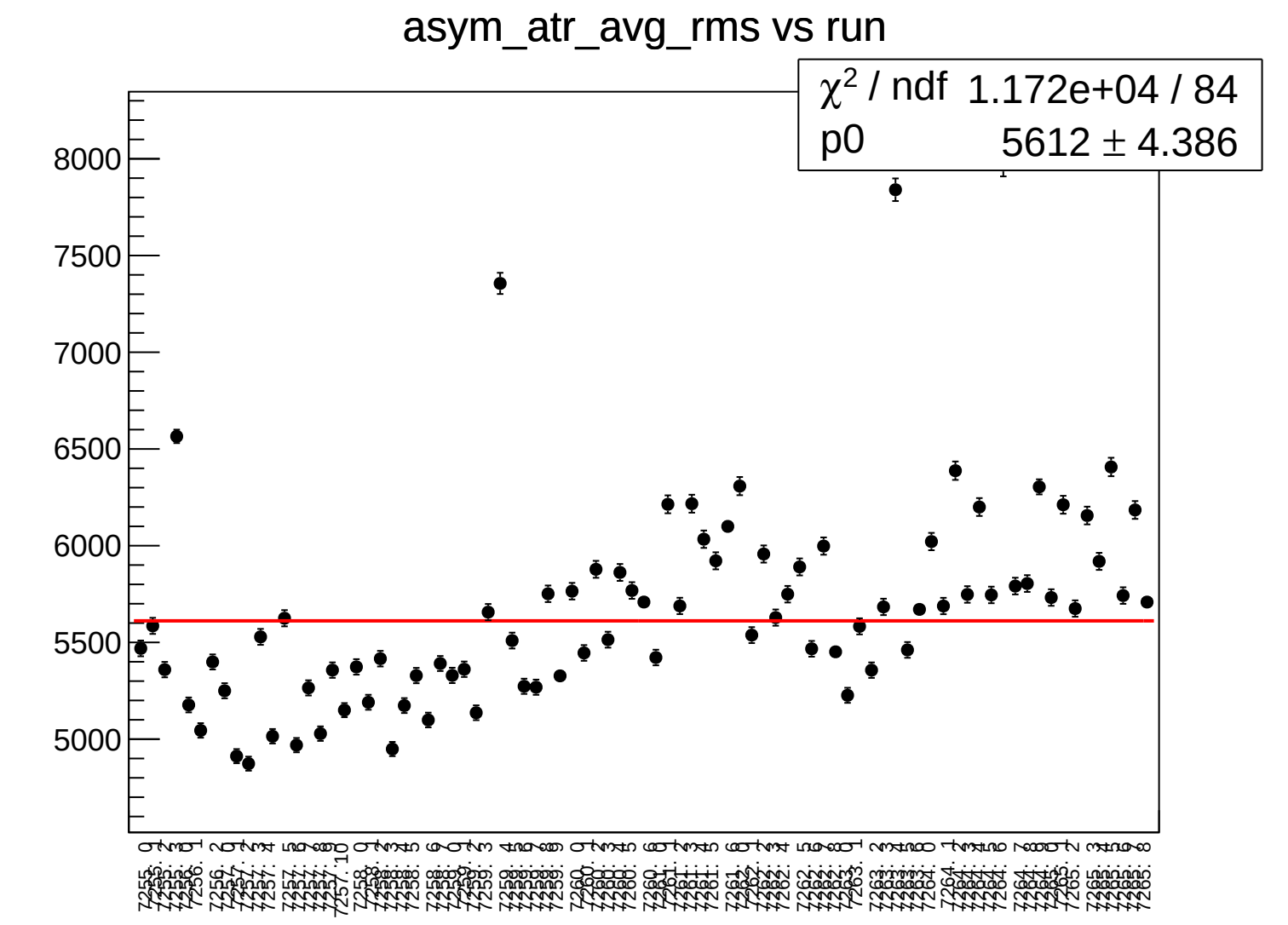

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 76.41 / 84
p0 4252 ± 5774
pull
Entries 85
Mean −217.8
Std Dev 264.3

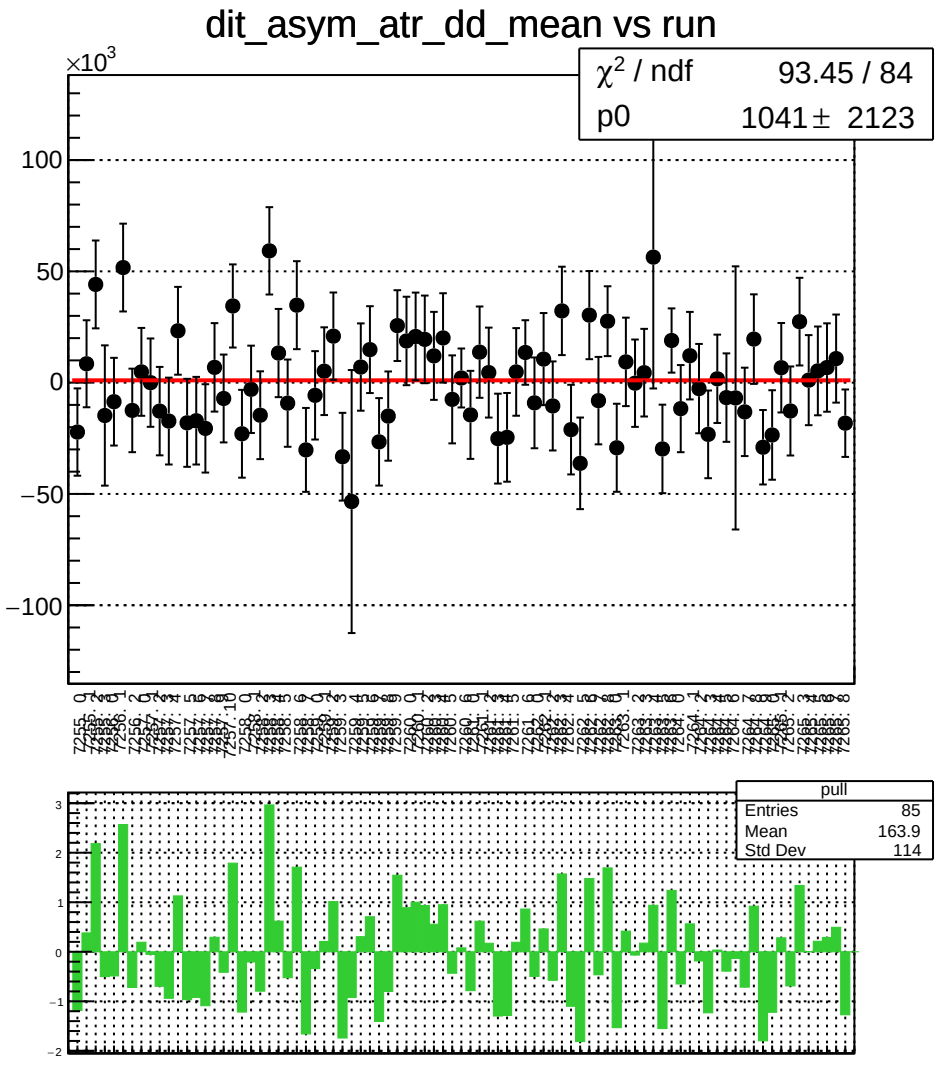

pull1D
Entries 85
Mean 0.01638
Std Dev 0.948

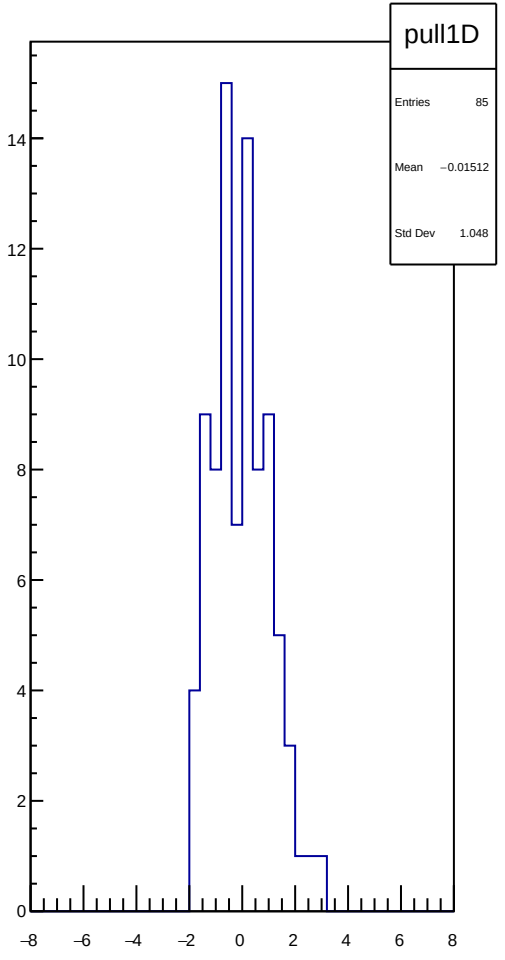

asym_atr_avg_correction_rms vs run
χ² / ndf 8493 / 84
p0 5229 ± 4.083
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

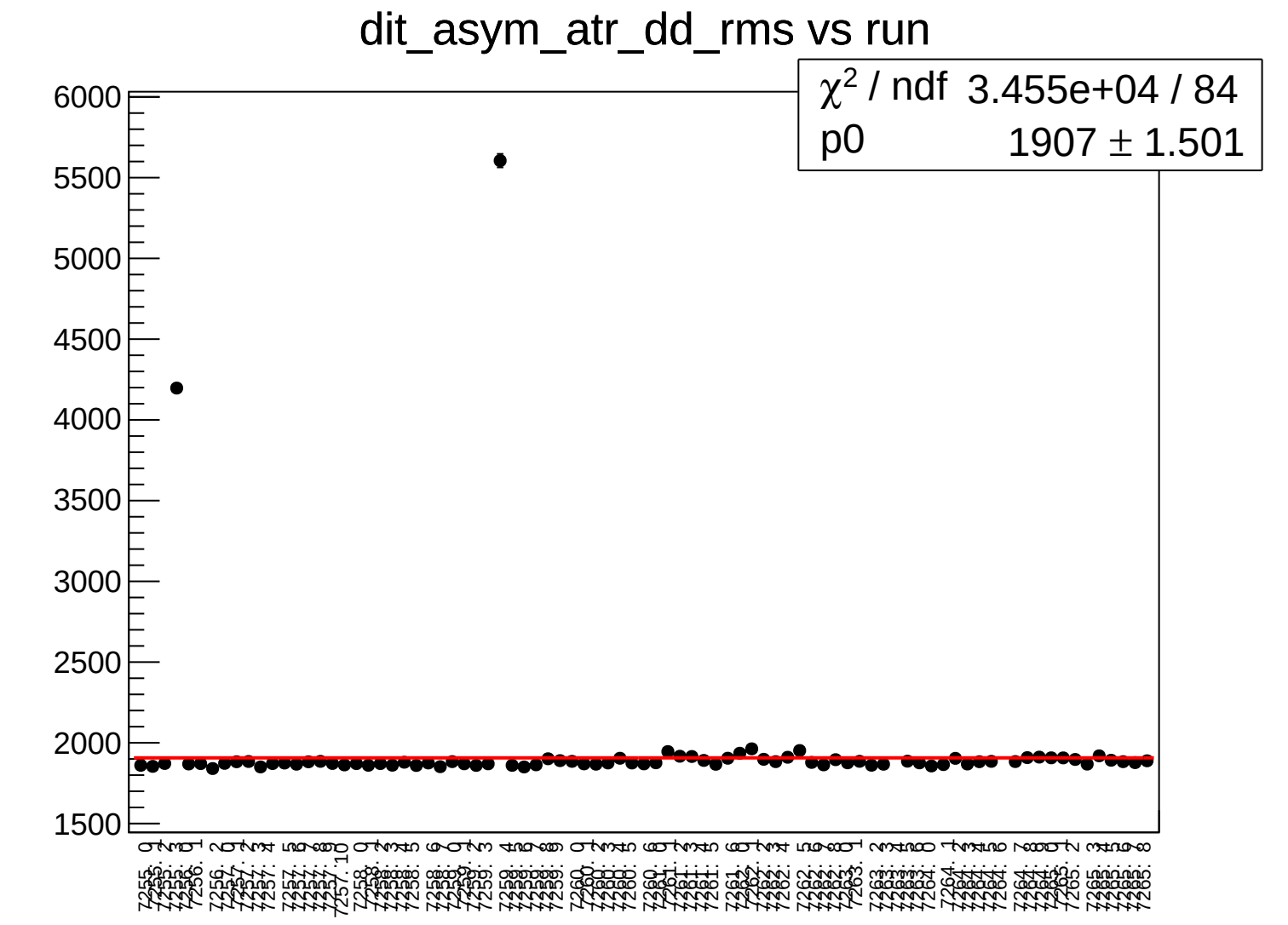

asym_atr_avg_mean vs run
×10^3
χ² / ndf 77.88 / 84
p0 −8293 ± 6202
pull
Entries 85
Mean −194.2
Std Dev 236.8

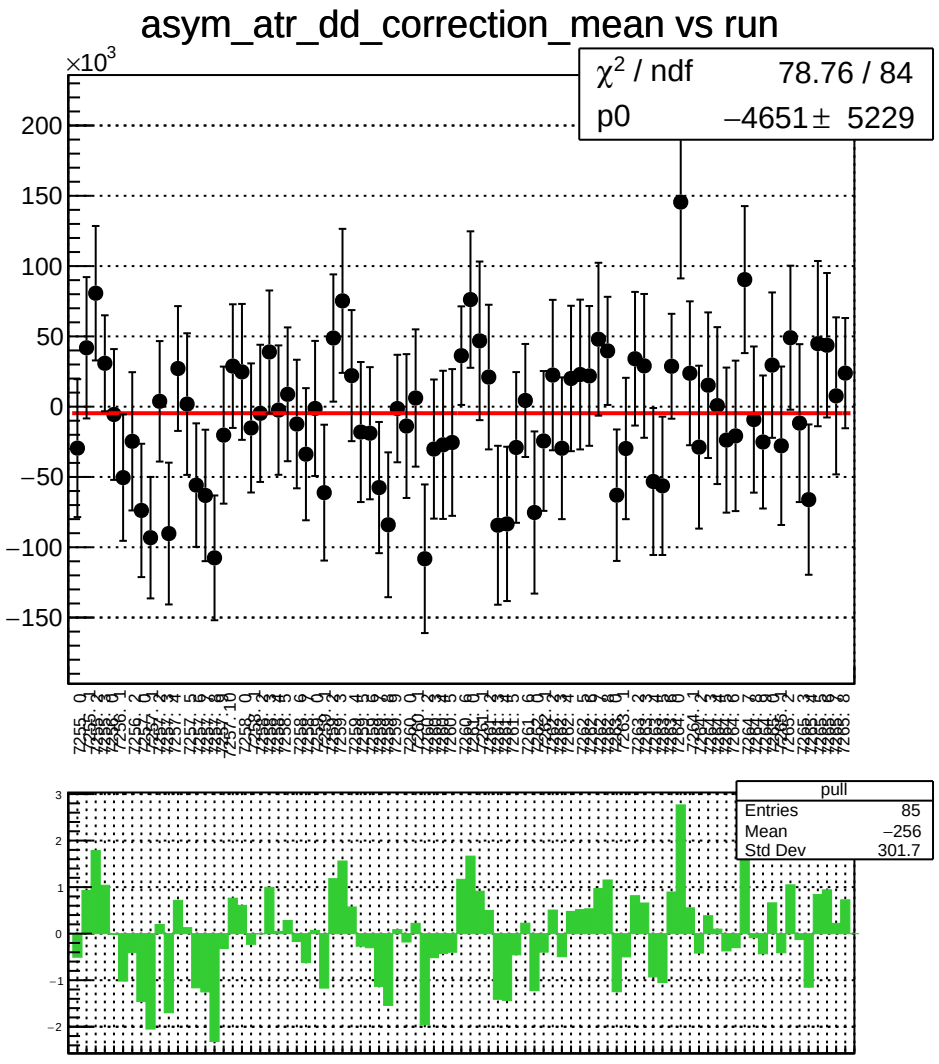

pull1D
Entries 85
Mean −0.01924
Std Dev 0.957

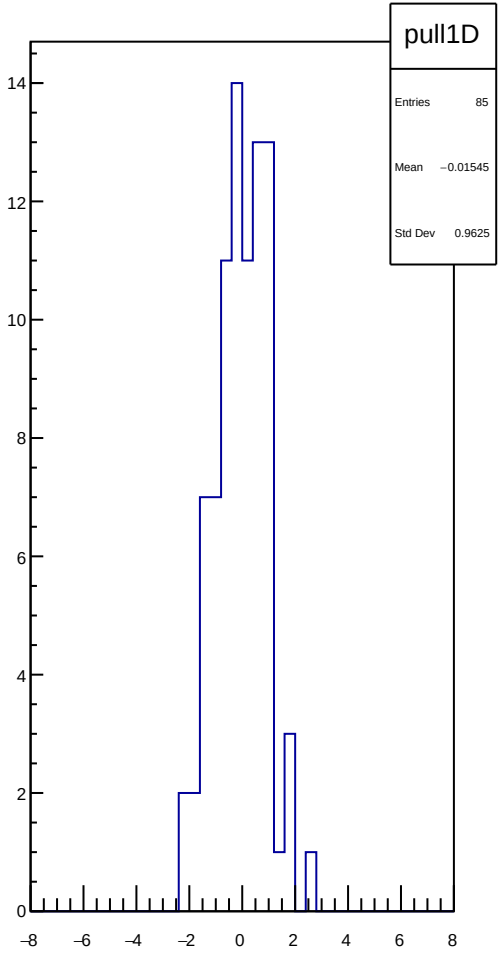

asym_atr_avg_rms vs run
χ^2 / ndf 1.172e+04 / 84
p0 5612 ± 4.386
8000
7500
7000
6500
6000
5500
5000

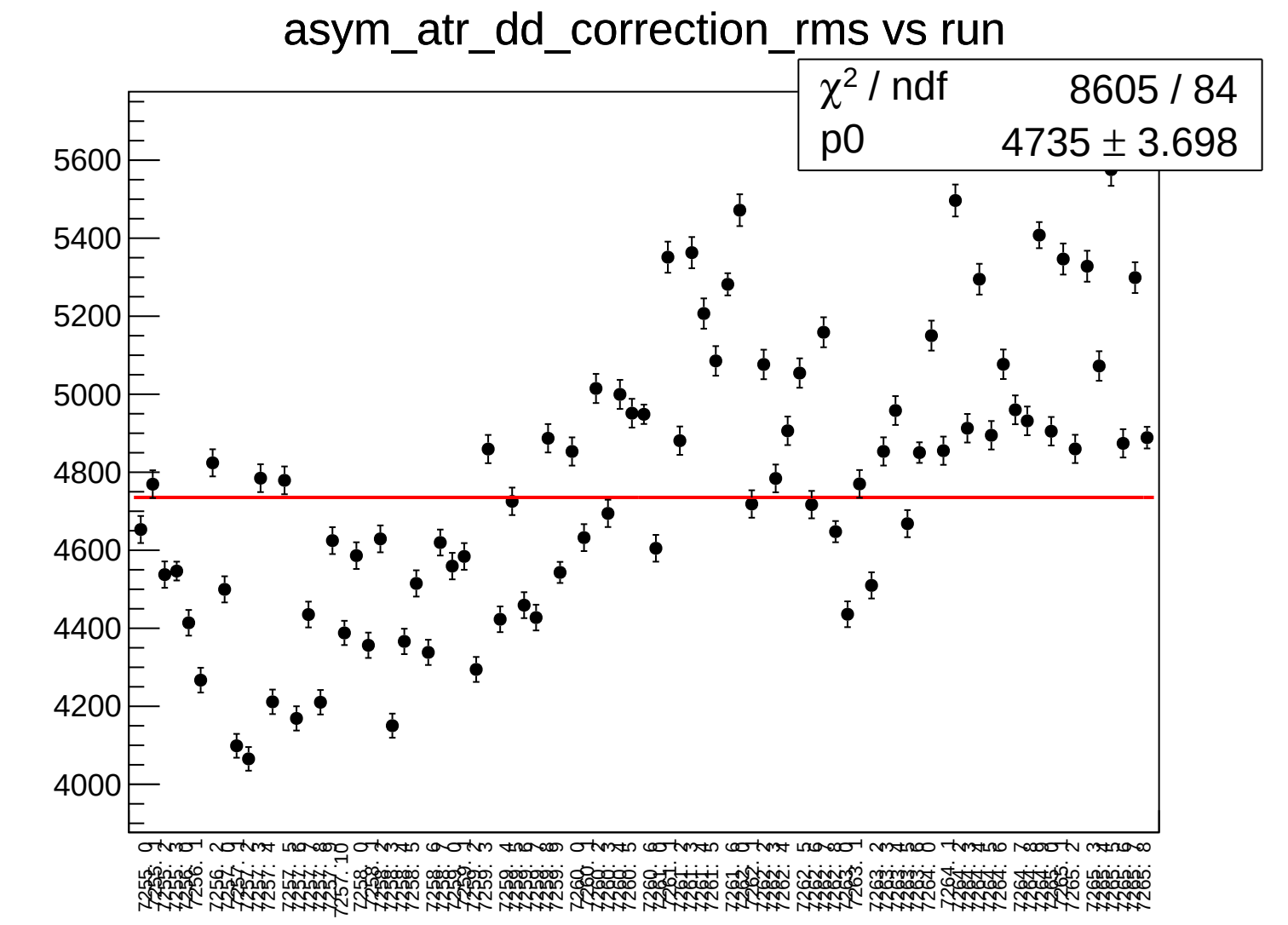

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 93.45 / 84
p0 1041 ± 2123
100
50
0
−50
−100
pull
Entries 85
Mean 163.9
Std Dev 114
3
2
1
0
−1
−2

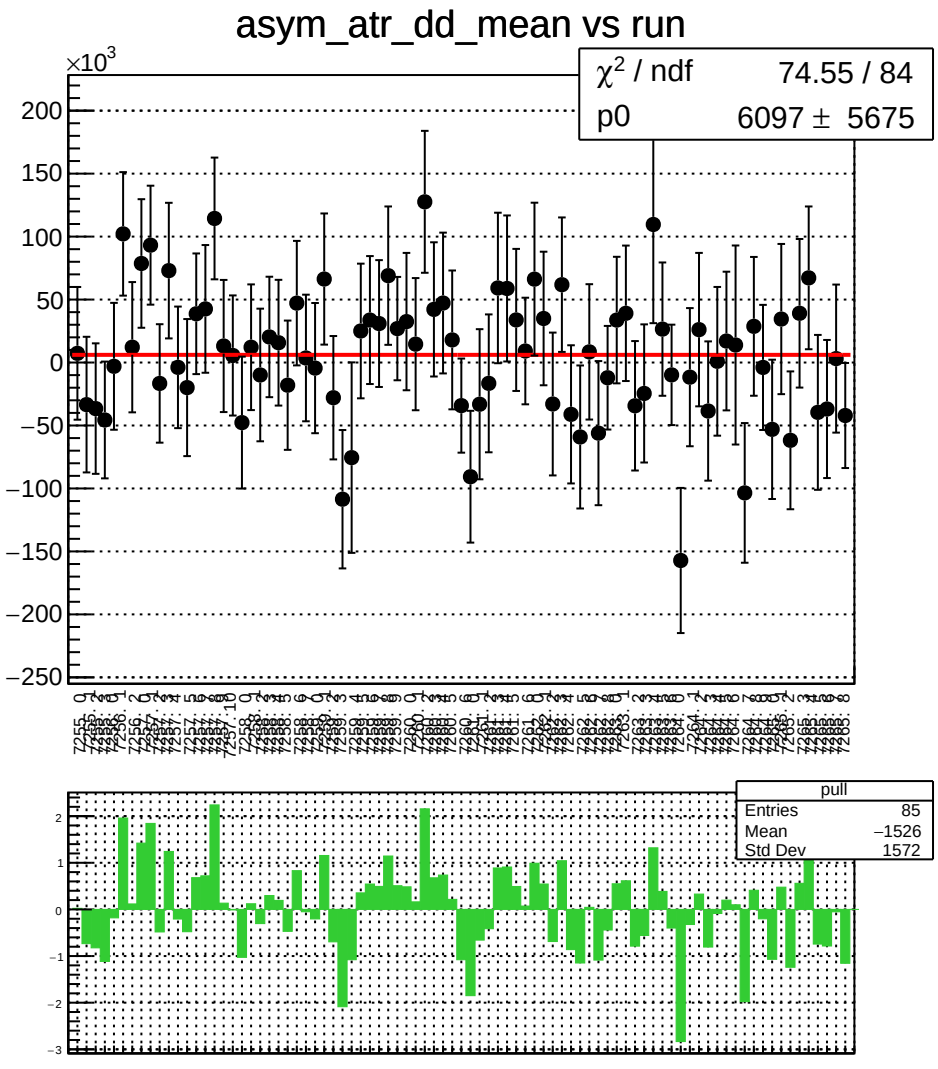

pull1D
Entries 85
Mean −0.01512
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

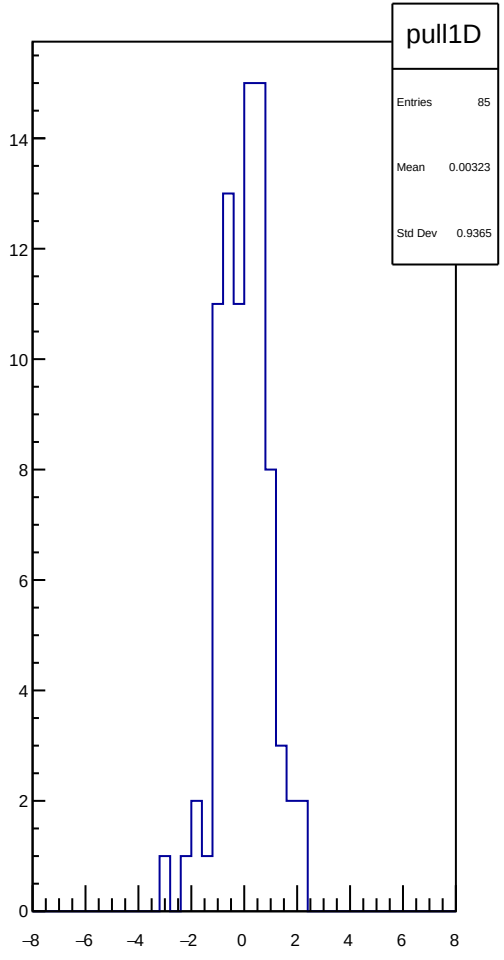

dit_asym_atr_dd_rms vs run
χ² / ndf 3.455e+04 / 84
p0 1907 ± 1.501
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

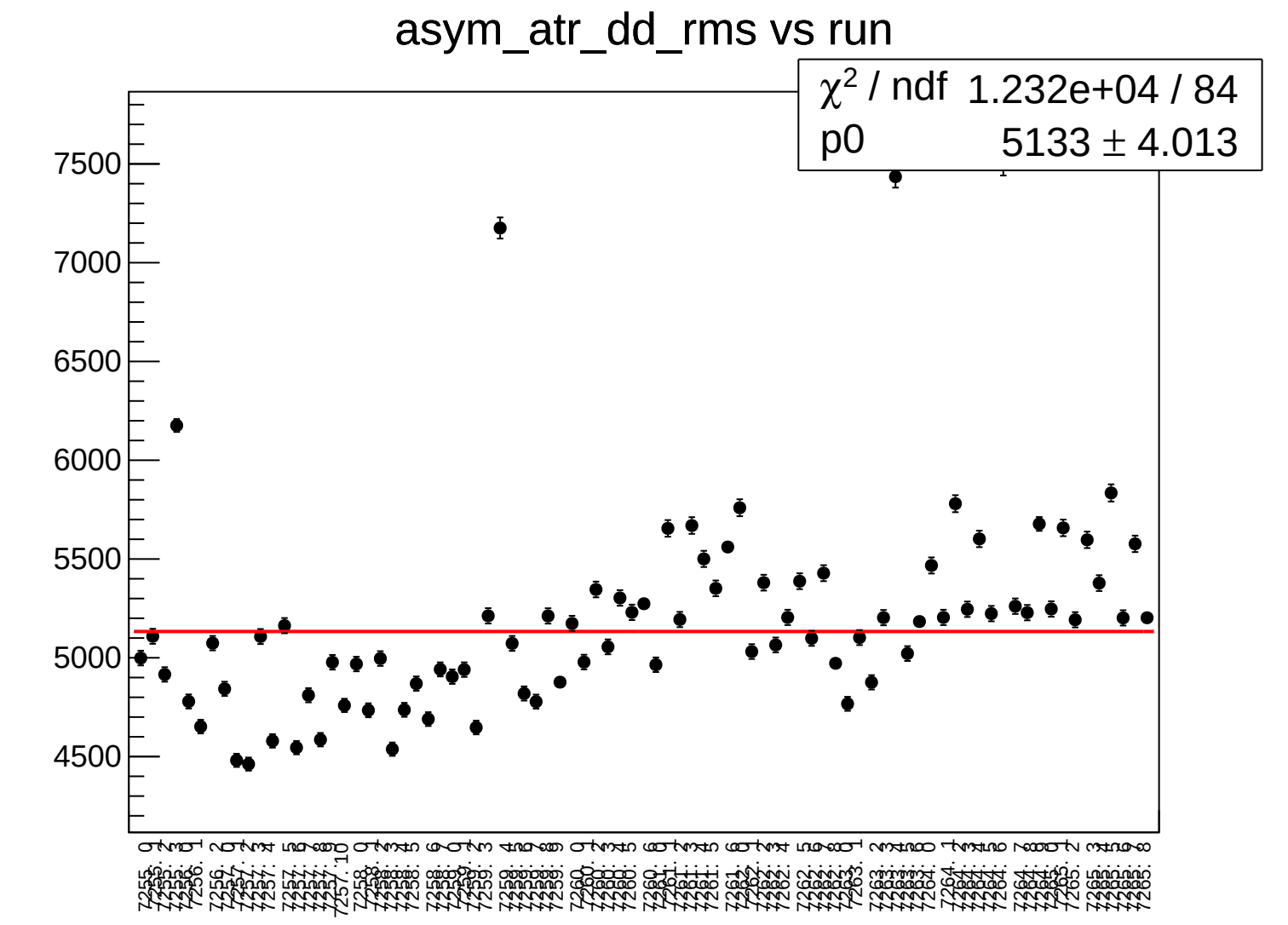

asym_atr_dd_correction_mean vs run
χ² / ndf 78.76 / 84
p0 −4651 ± 5229
pull
Entries 85
Mean −256
Std Dev 301.7

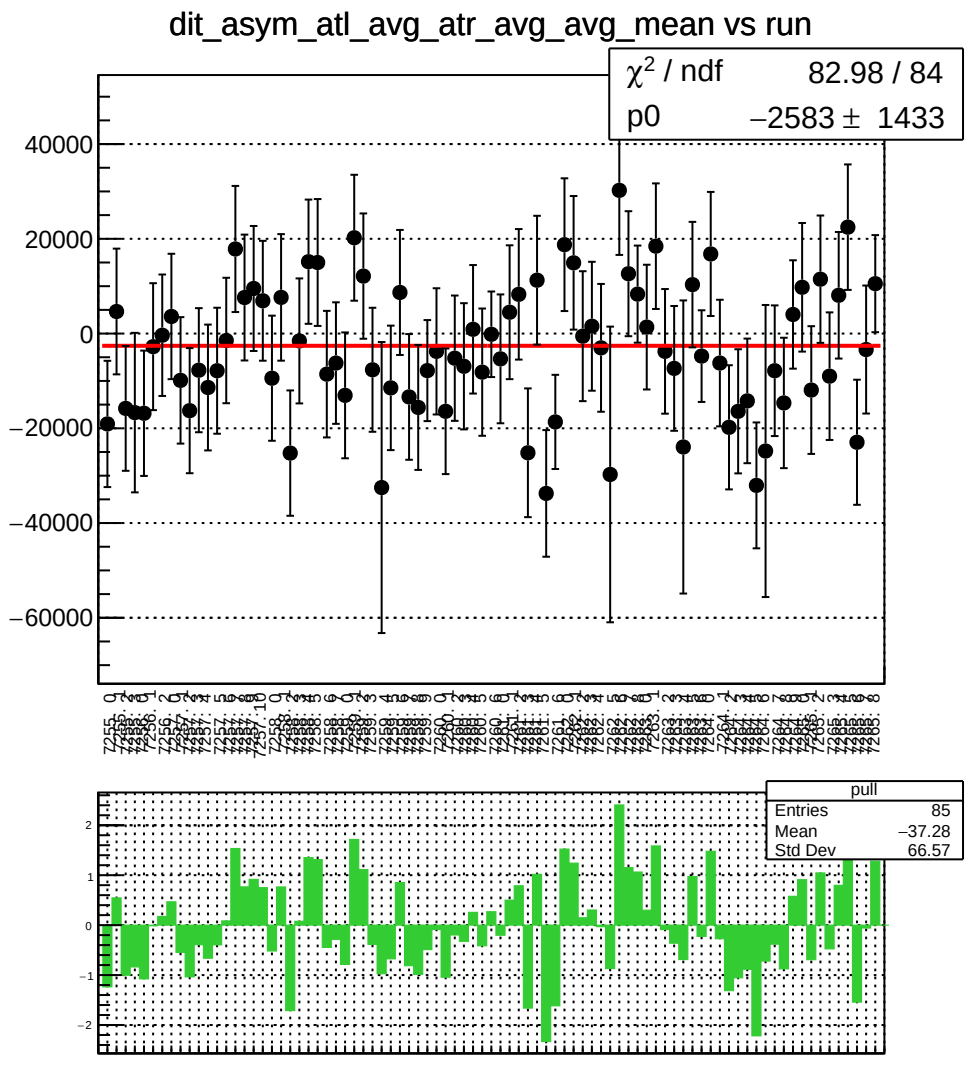

pull1D
Entries 85
Mean −0.01545
Std Dev 0.9625

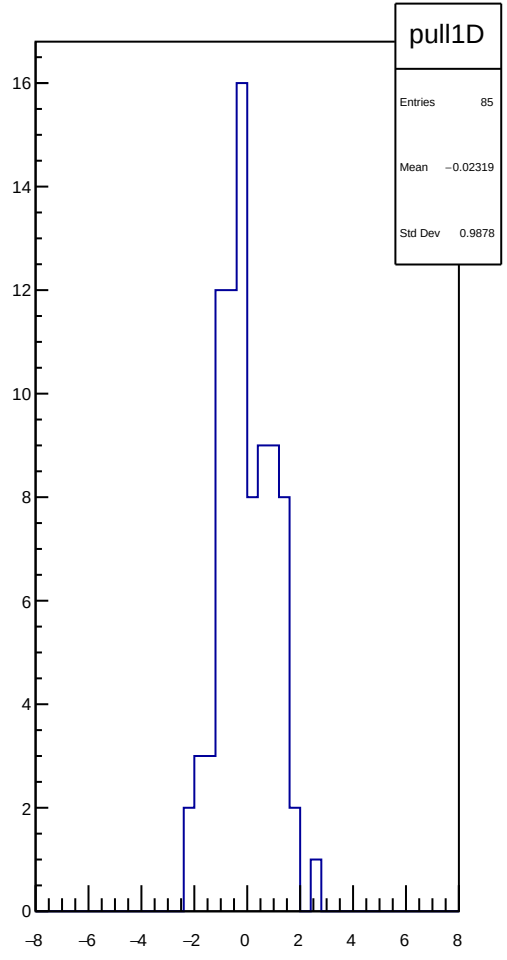

asym_atr_dd_correction_rms vs run
χ² / ndf 8605 / 84
p0 4735 ± 3.698
5600
5400
5200
5000
4800
4600
4400
4200
4000

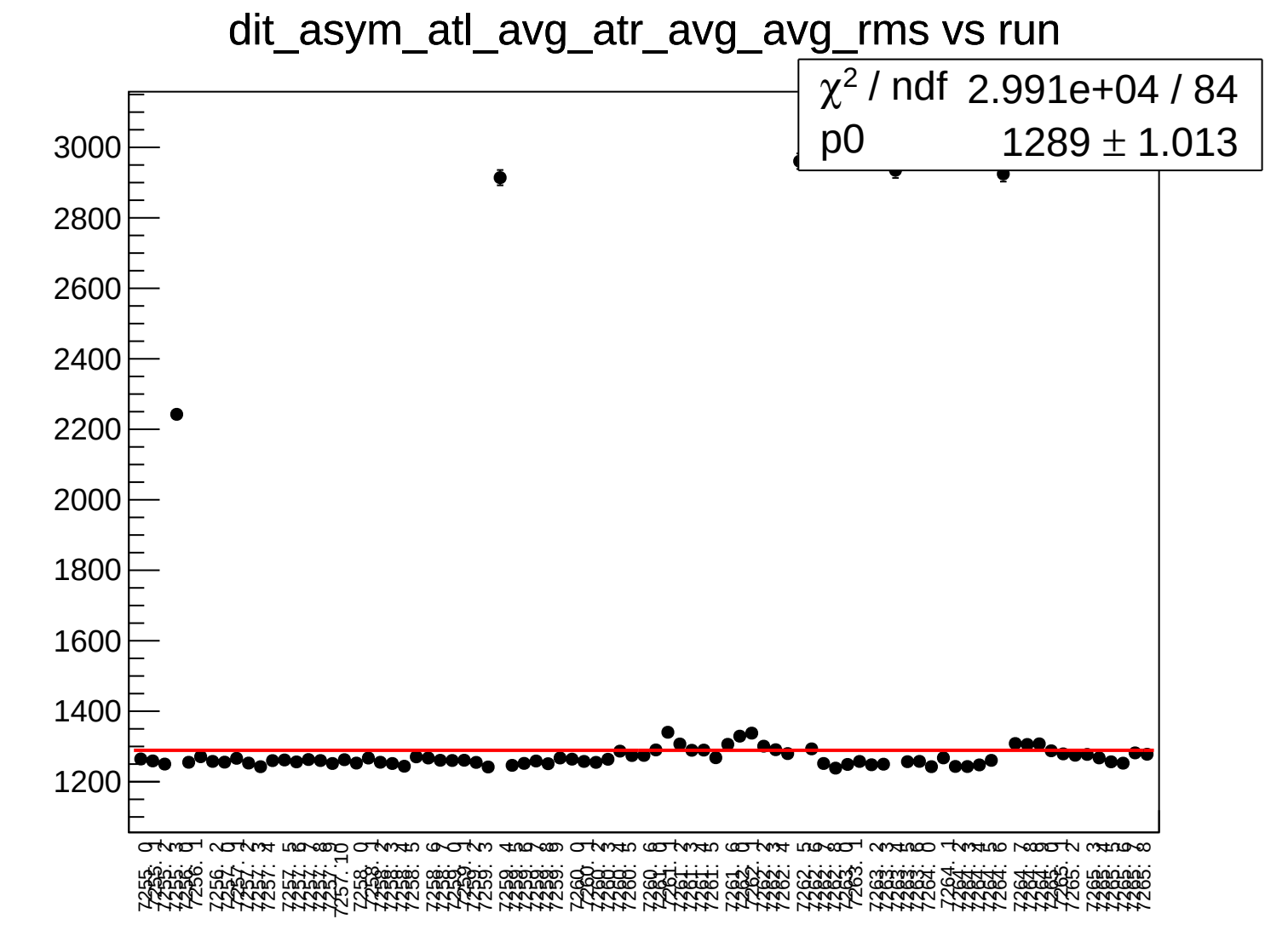

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 74.55 / 84
p0 6097 ± 5675
pull
Entries 85
Mean −1526
Std Dev 1572

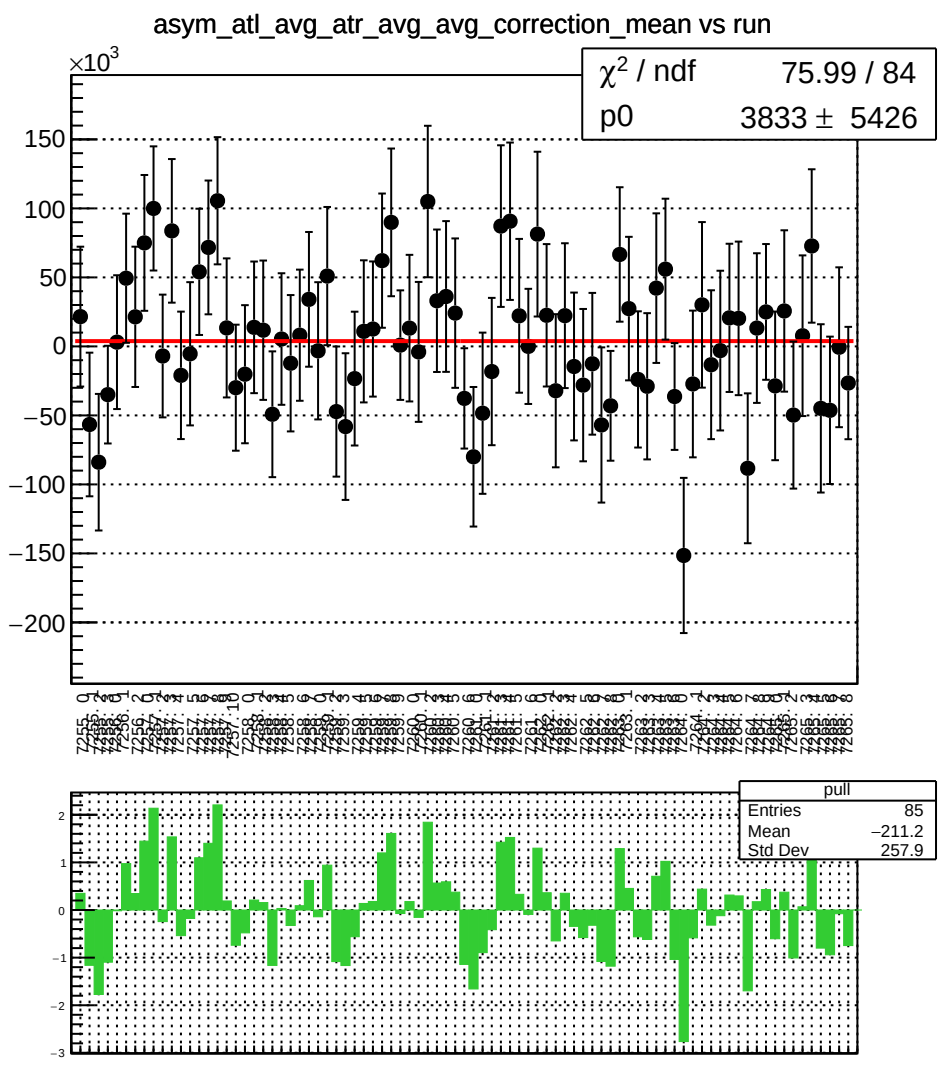

pull1D
Entries 85
Mean 0.00323
Std Dev 0.9365

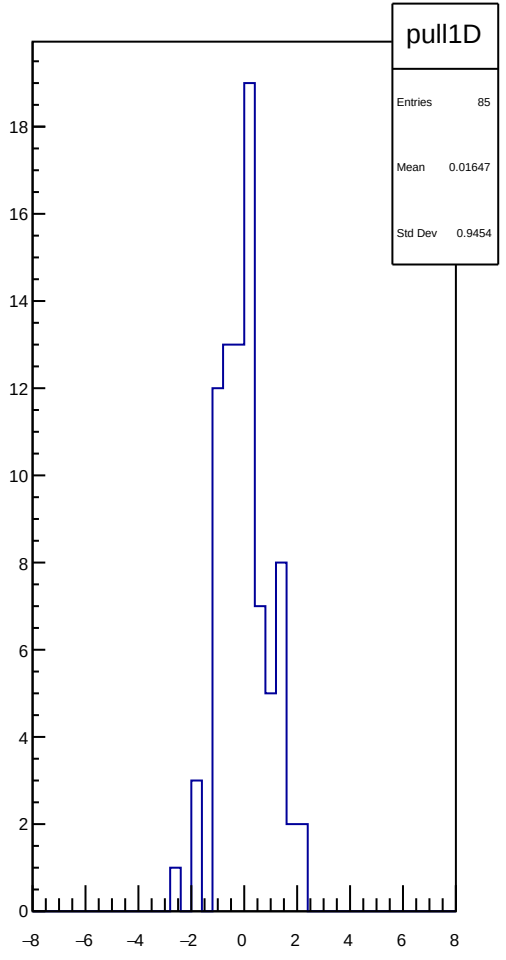

asym_atr_dd_rms vs run
χ^2 / ndf 1.232e+04 / 84
p0 5133 ± 4.013
7500
7000
6500
6000
5500
5000
4500

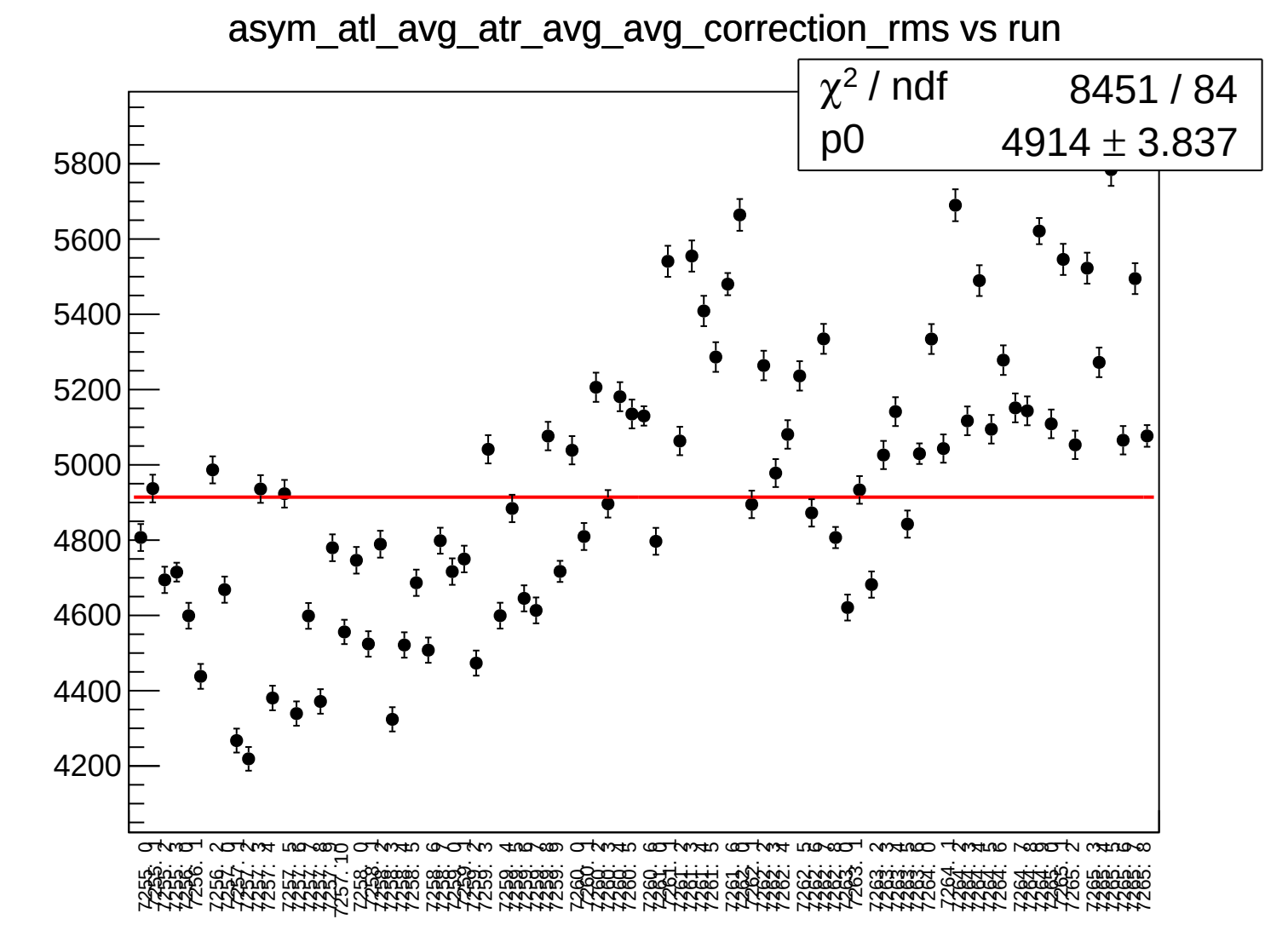

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 82.98 / 84
p0 −2583 ± 1433
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −37.28
Std Dev 66.57
2
1
0
−1
−2

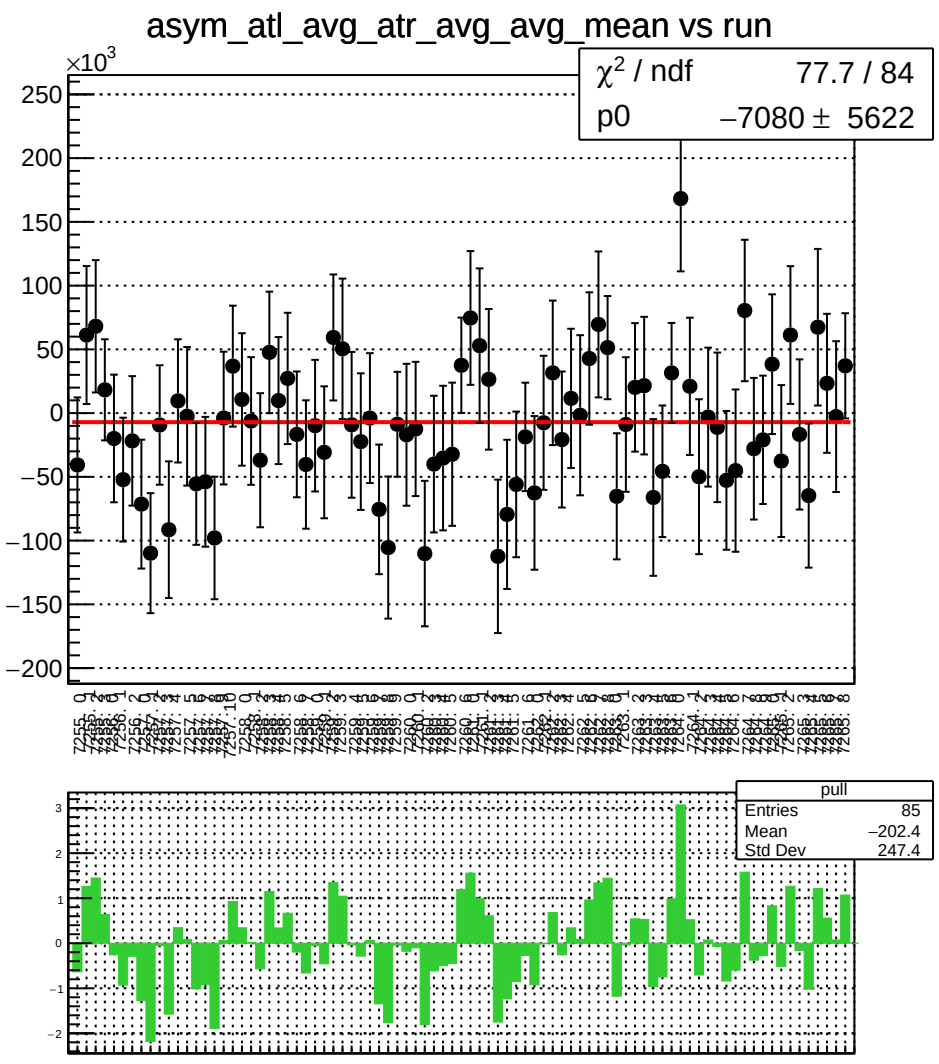

pull1D
Entries 85
Mean −0.02319
Std Dev 0.9878
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

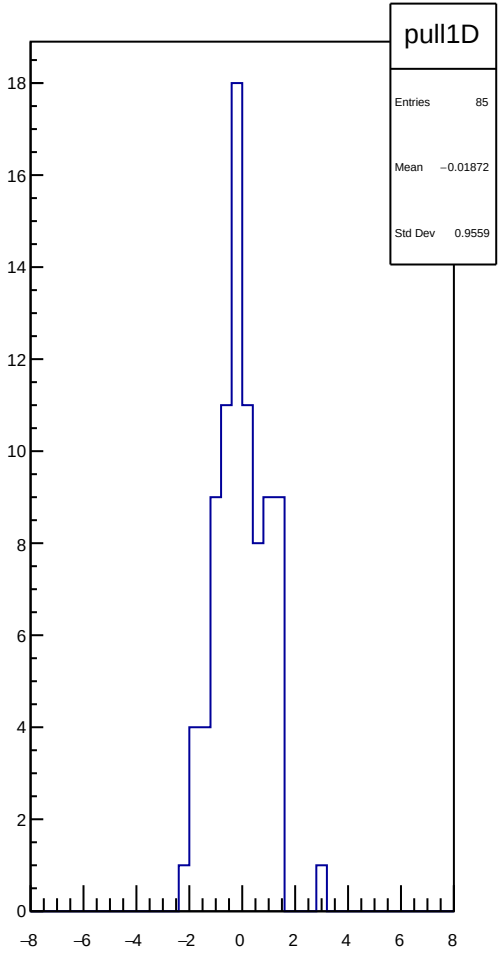

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.991e+04 / 84
p0 1289 ± 1.013
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

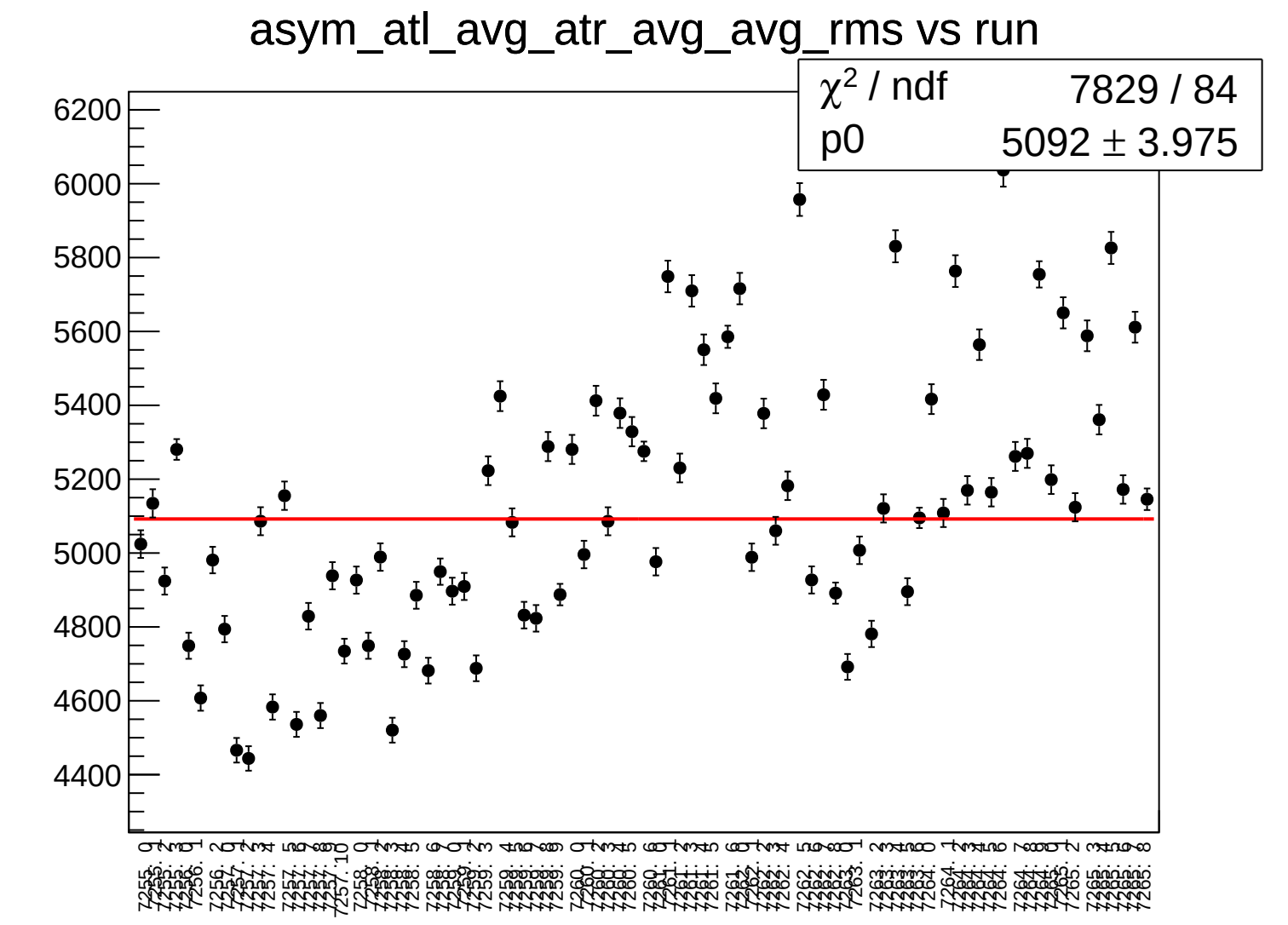

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ^2 / ndf 75.99 / 84
p0 3833 ± 5426
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −211.2
Std Dev 257.9
2
1
0
−1
−2
−3

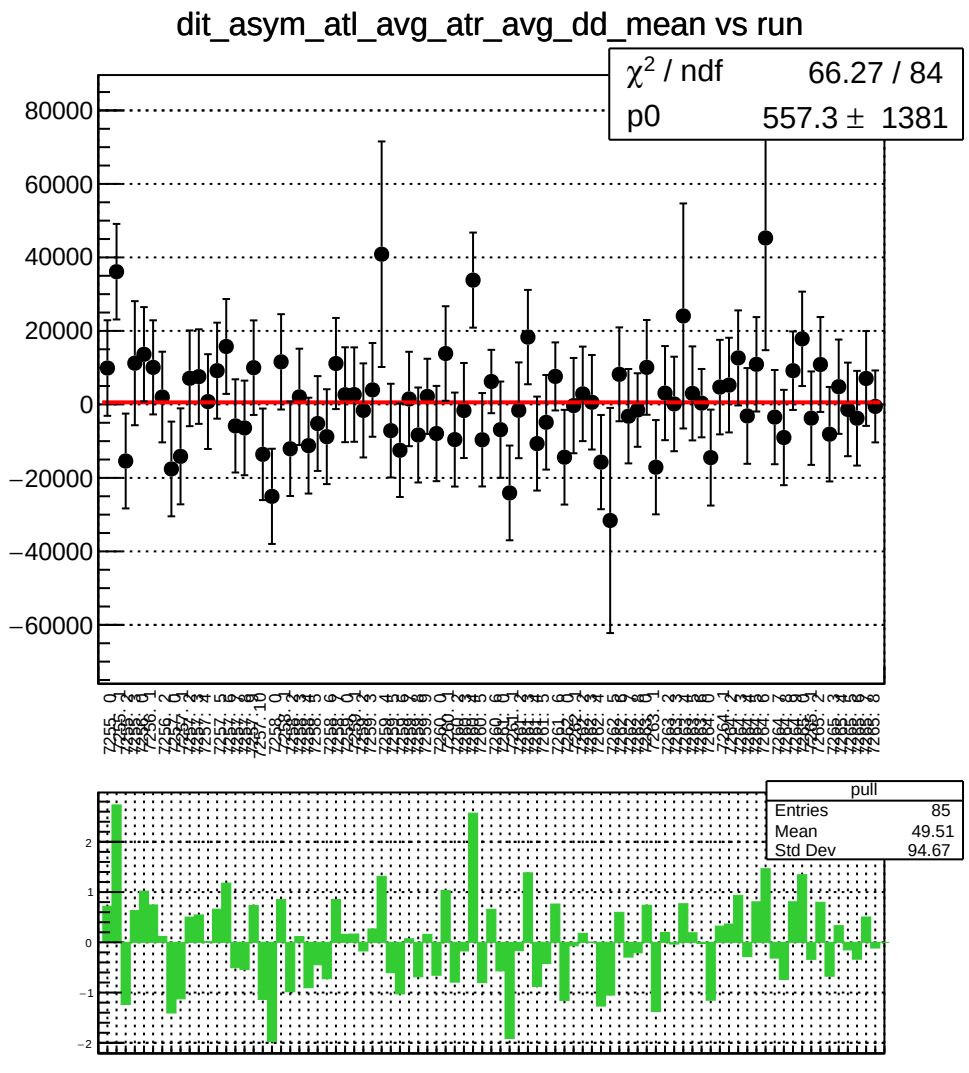

pull1D
Entries 85
Mean 0.01647
Std Dev 0.9454
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

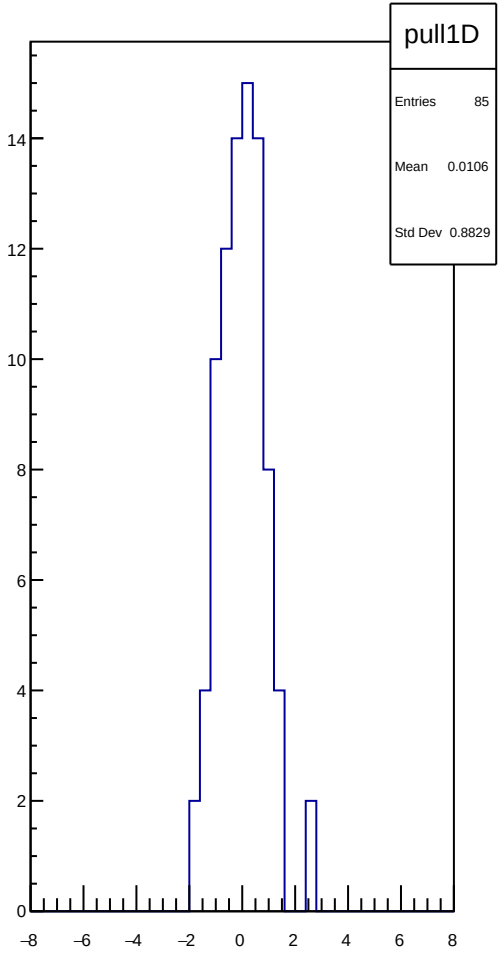

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 8451 / 84
p0 4914 ± 3.837
5800
5600
5400
5200
5000
4800
4600
4400
4200

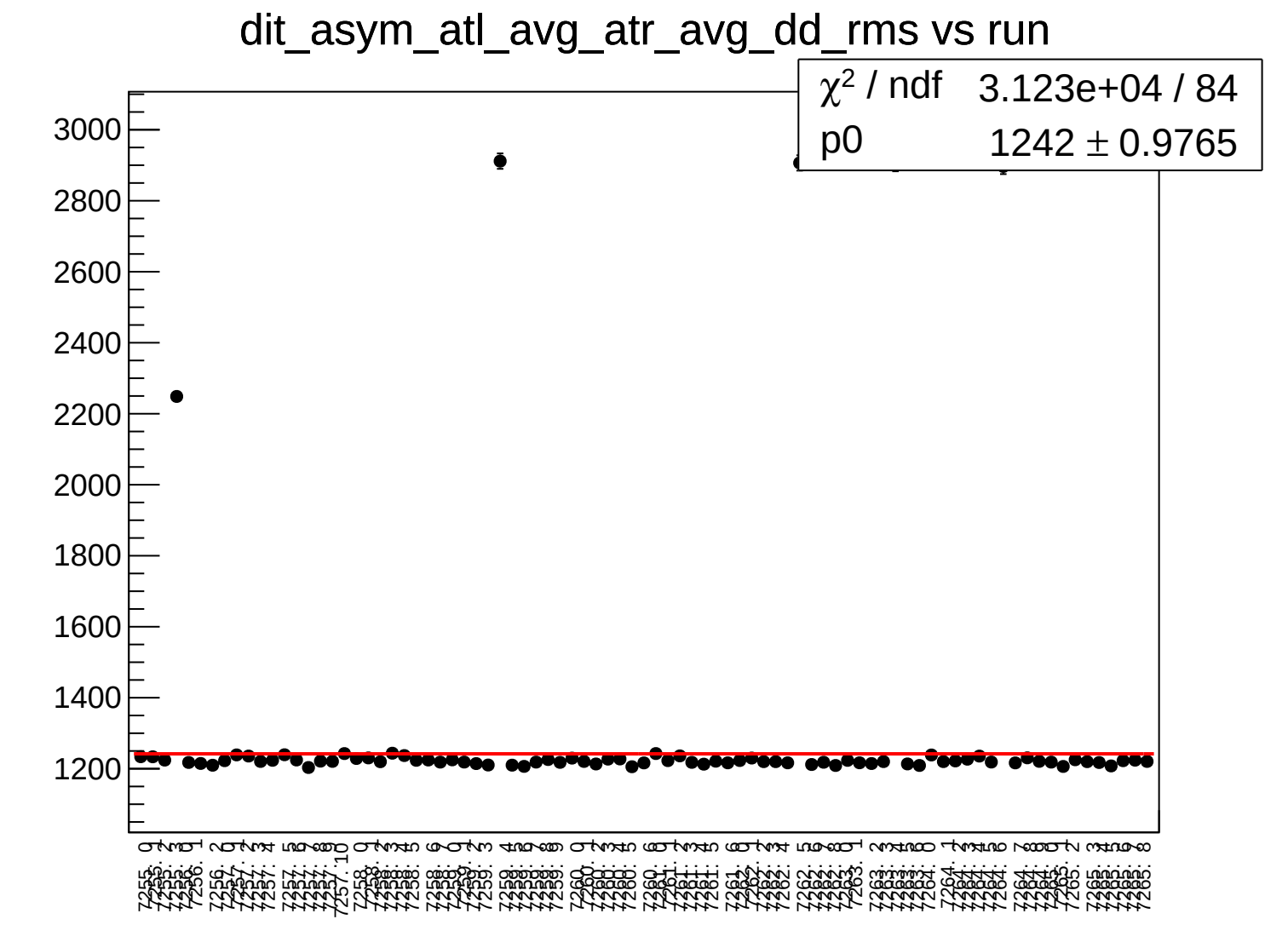

asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 77.7 / 84
p0 −7080 ± 5622
pull
Entries 85
Mean −202.4
Std Dev 247.4

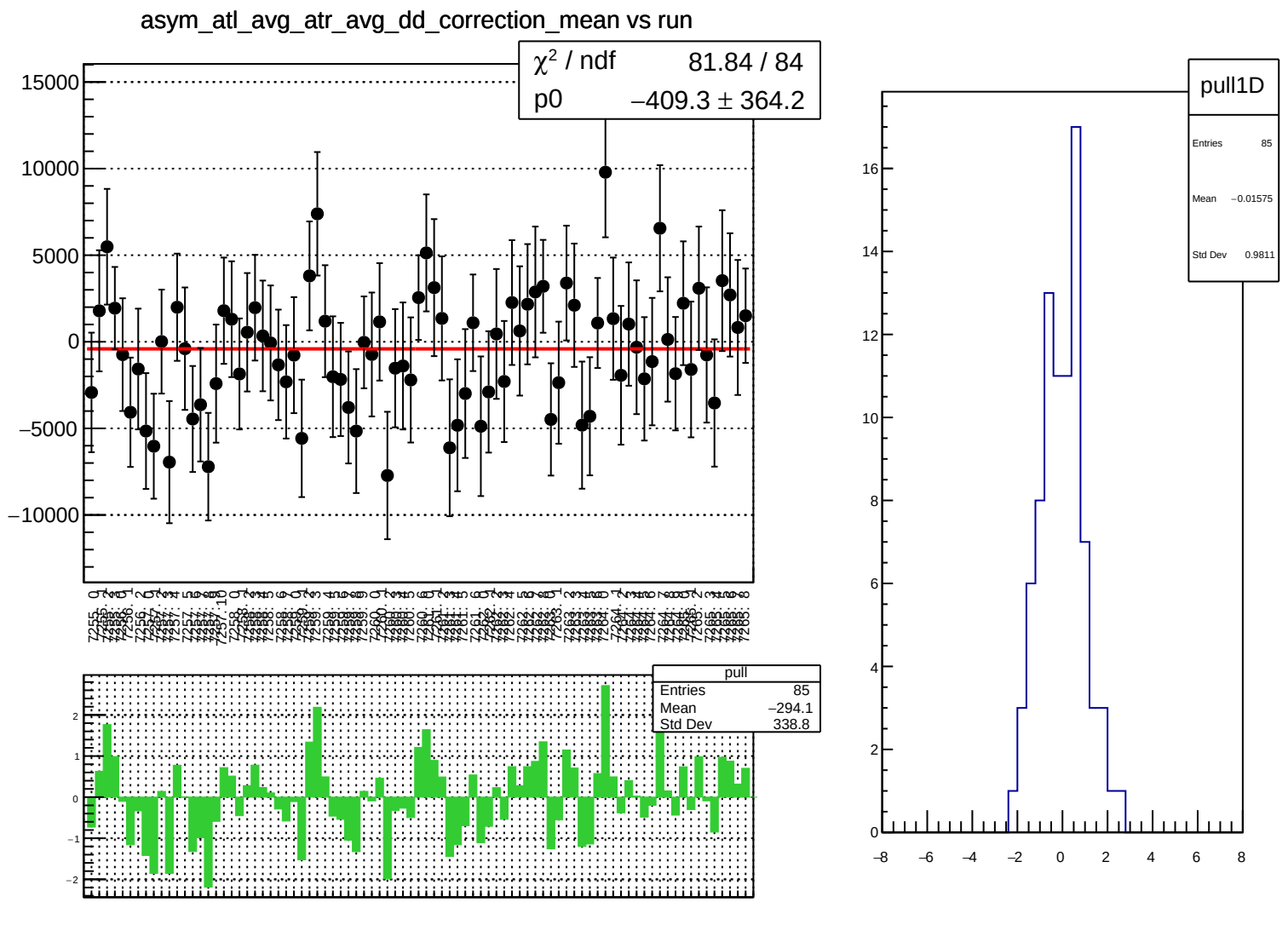

pull1D
Entries 85
Mean −0.01872
Std Dev 0.9559

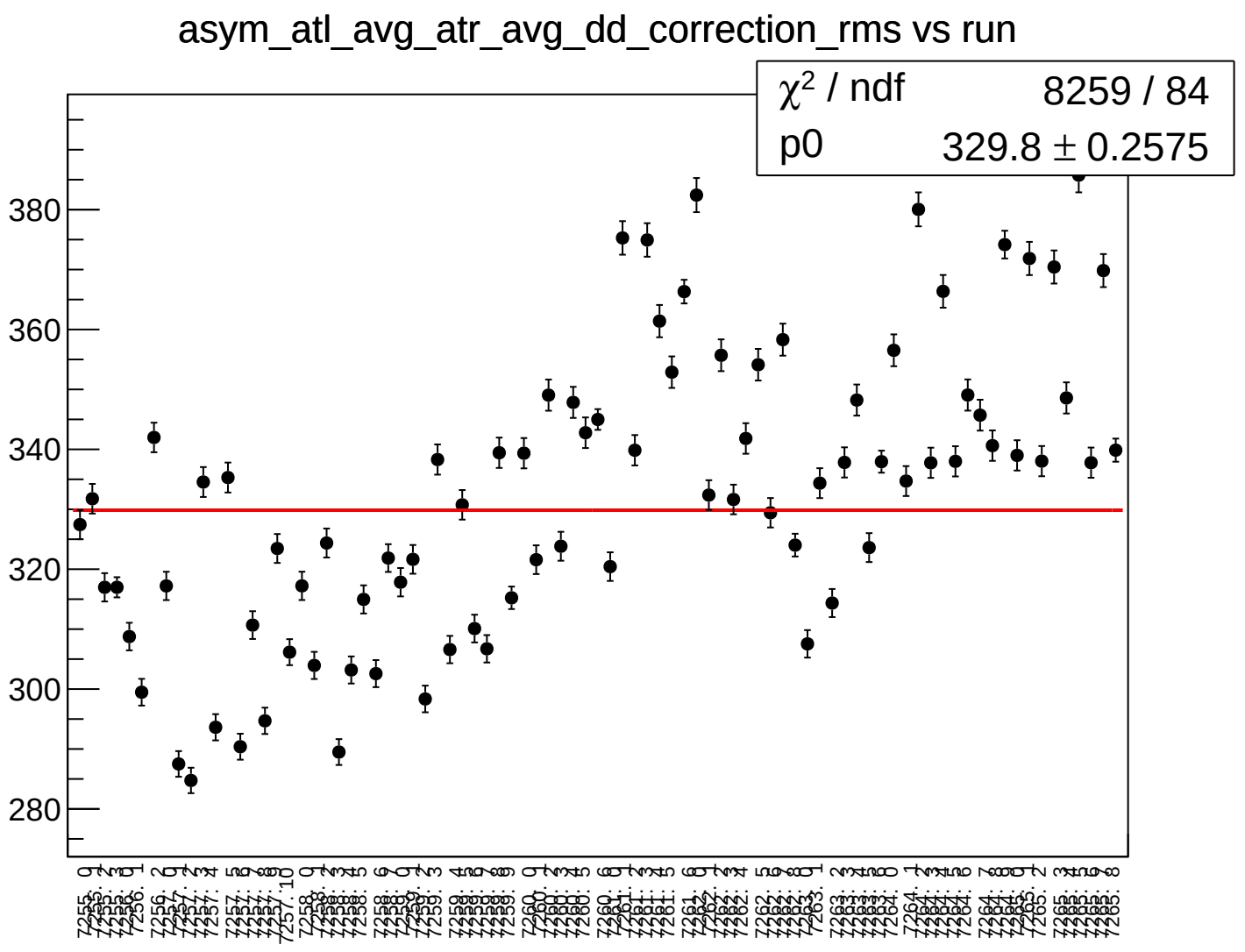

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 7829 / 84
p0 5092 ± 3.975
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400

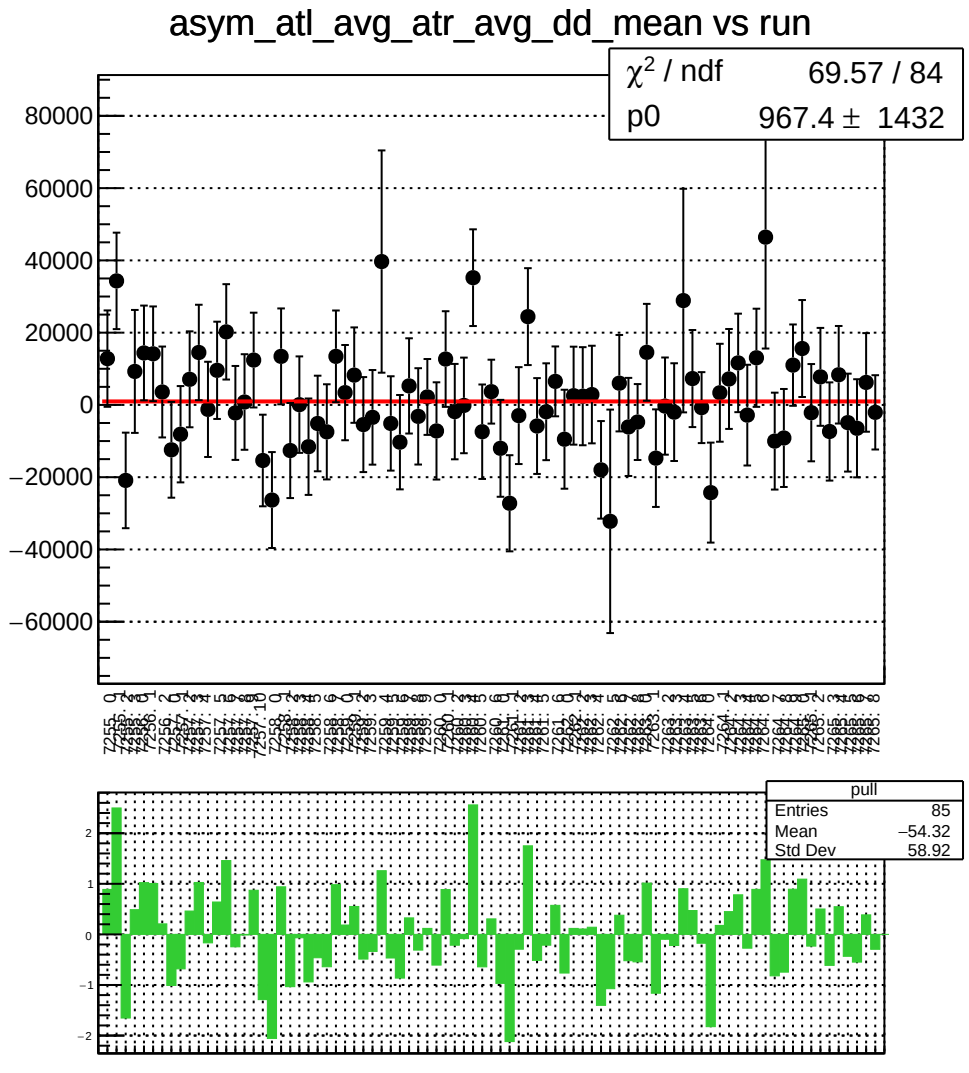

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 66.27 / 84
p0 557.3 ± 1381
pull
Entries 85
Mean 49.51
Std Dev 94.67

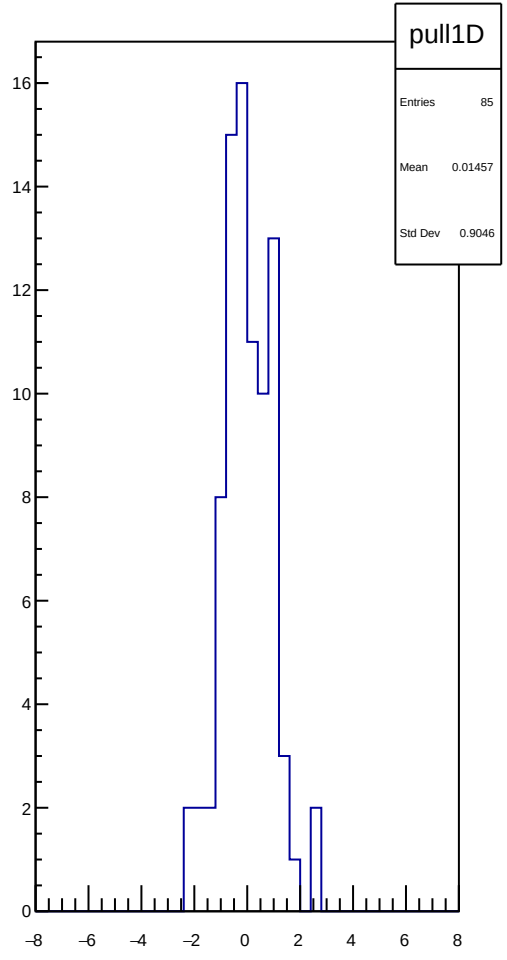

pull1D
Entries 85
Mean 0.0106
Std Dev 0.8829

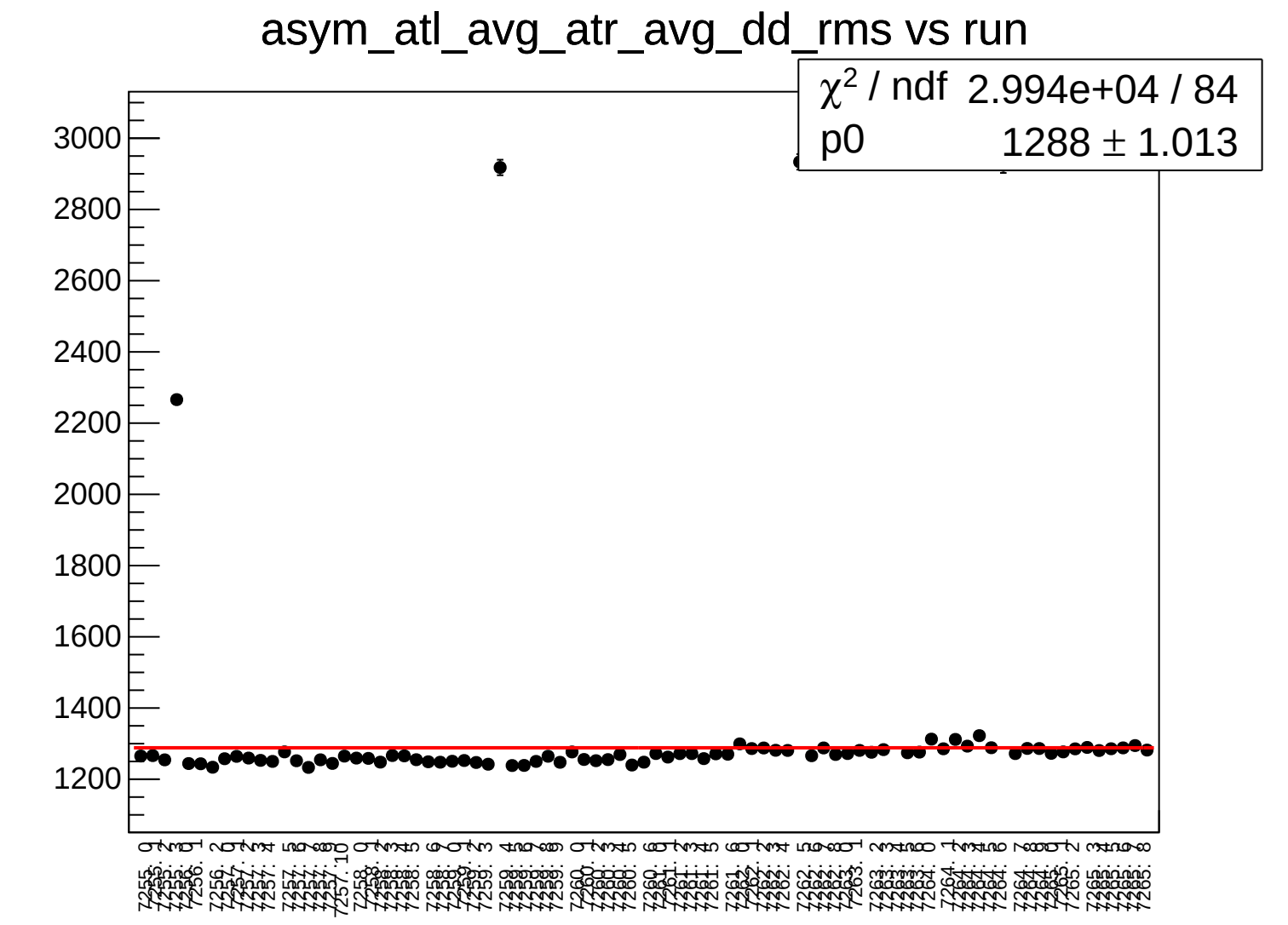

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 3.123e+04 / 84
p0 1242 ± 0.9765
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

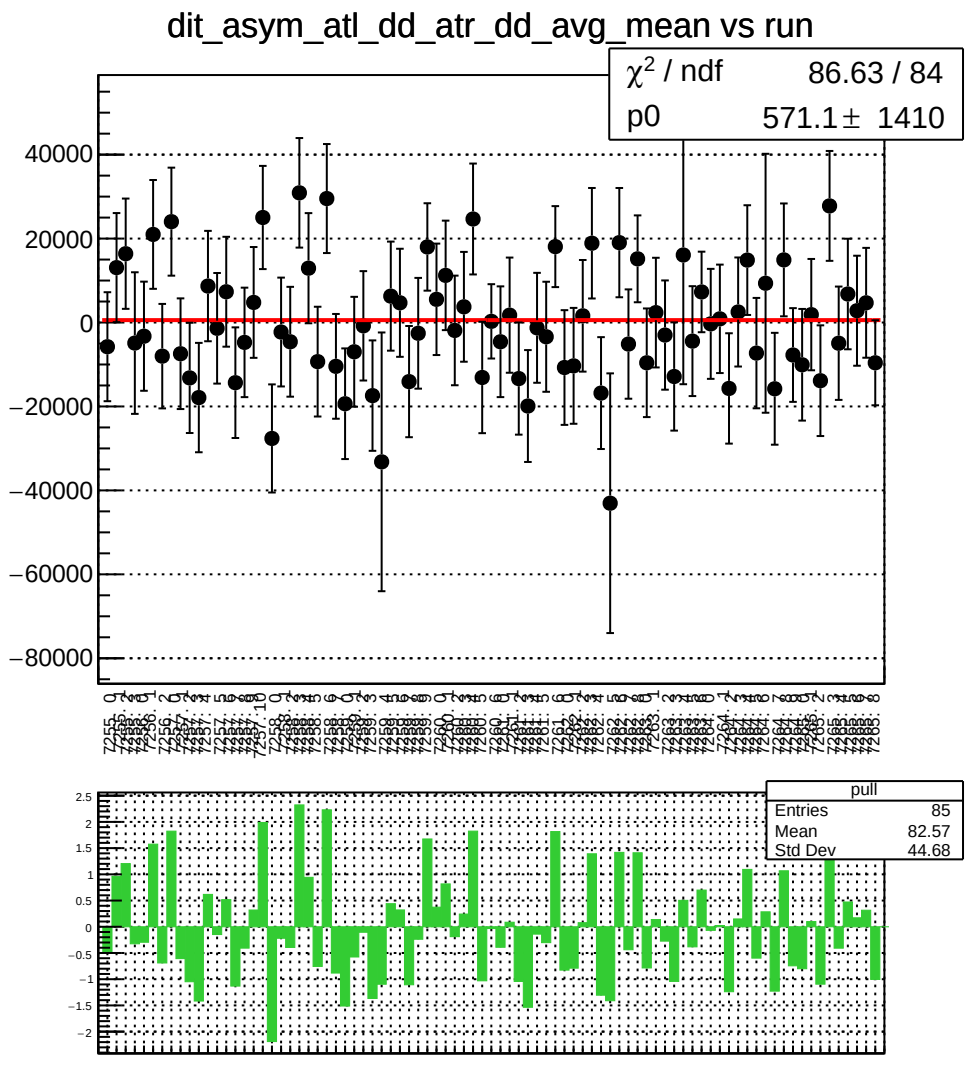

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 81.84 / 84
p0 −409.3 ± 364.2
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −294.1
Std Dev 338.8
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01575
Std Dev 0.9811
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

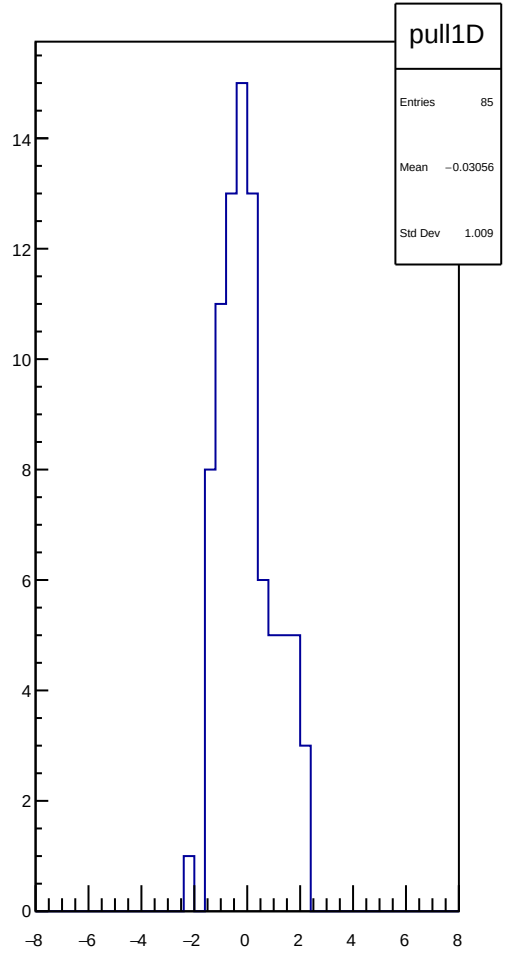

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 8259 / 84
p0 329.8 ± 0.2575
380
360
340
320
300
280

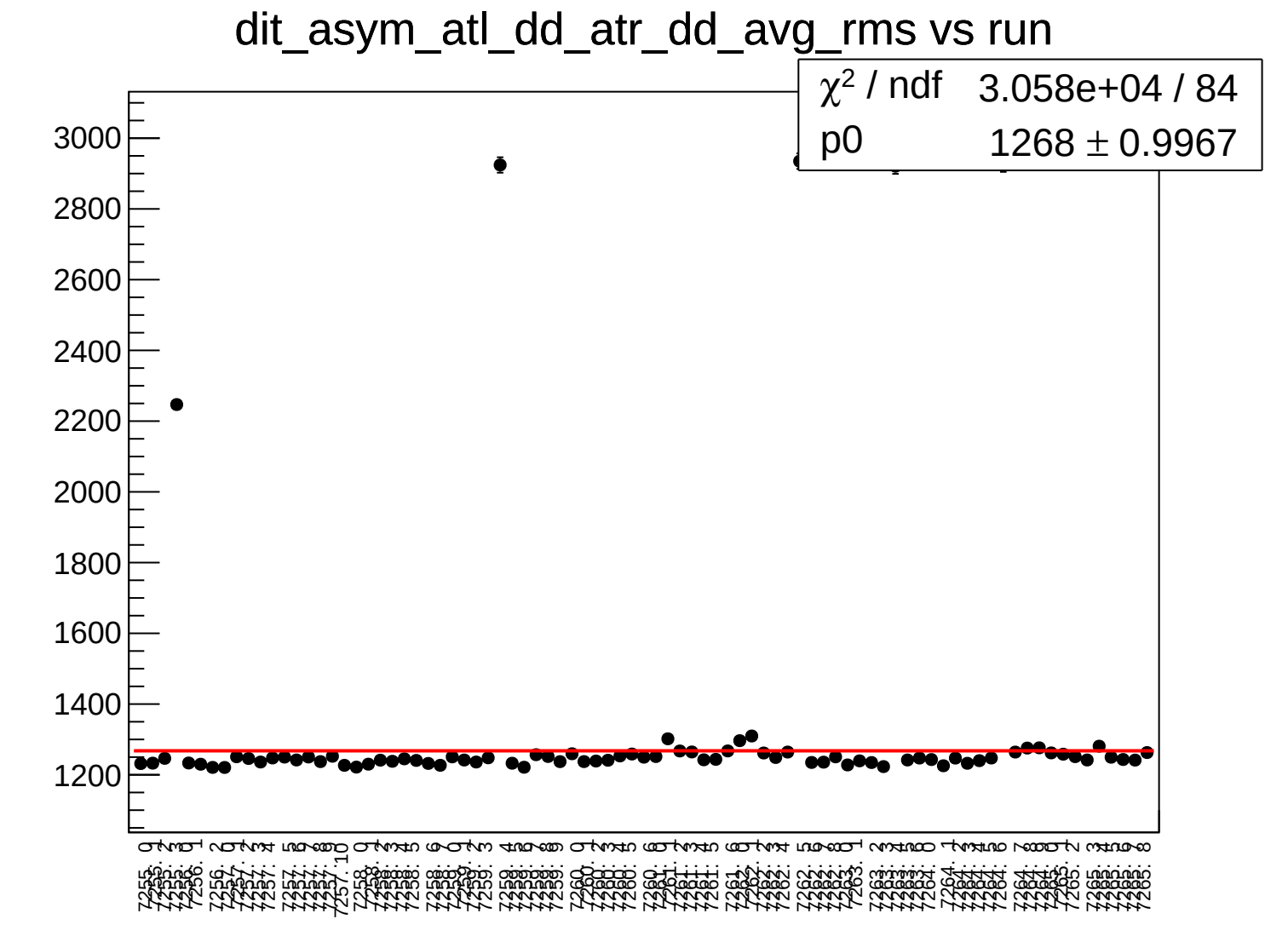

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 69.57 / 84
p0 967.4 ± 1432
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean −54.32
Std Dev 58.92
2
1
0
−1
−2

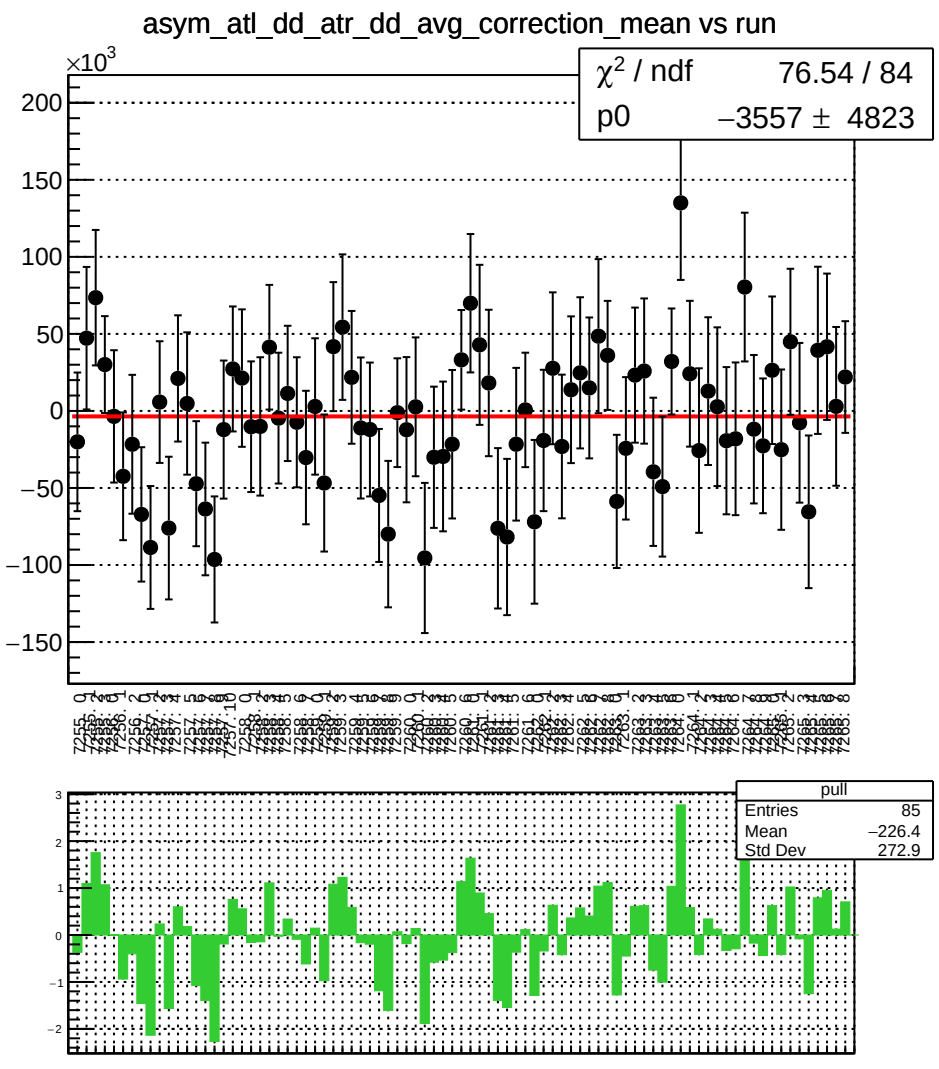

pull1D
Entries 85
Mean 0.01457
Std Dev 0.9046
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

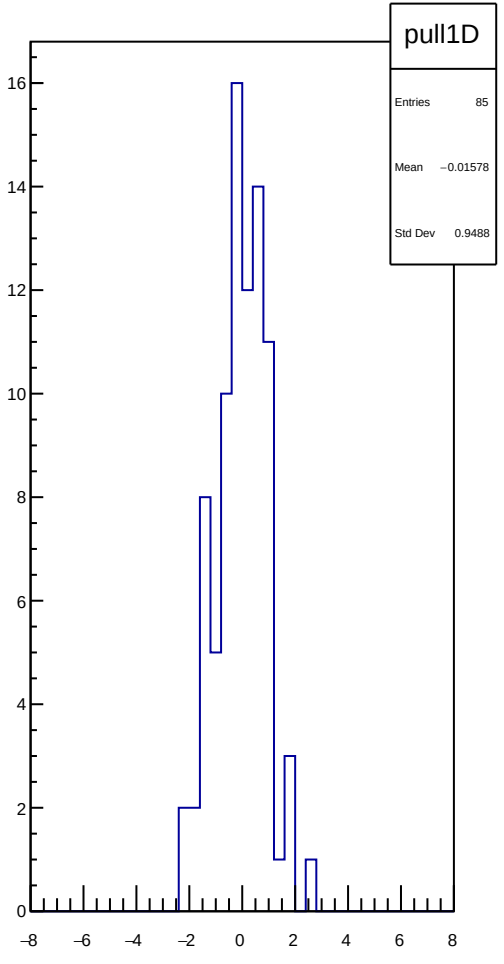

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.994e+04 / 84
p0 1288 ± 1.013
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

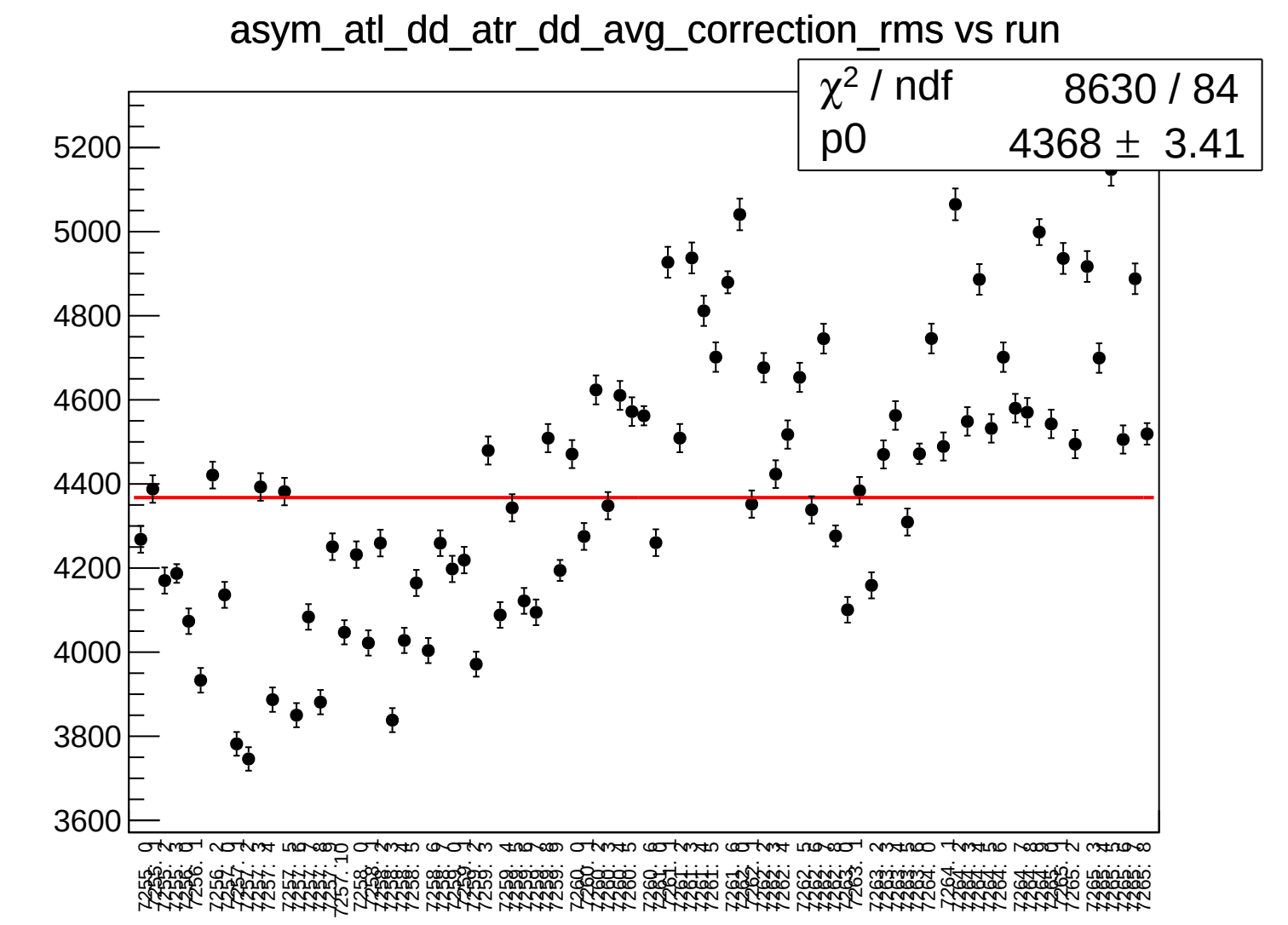

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ^2 / ndf 86.63 / 84
p0 571.1 ± 1410
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean 82.57
Std Dev 44.68
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

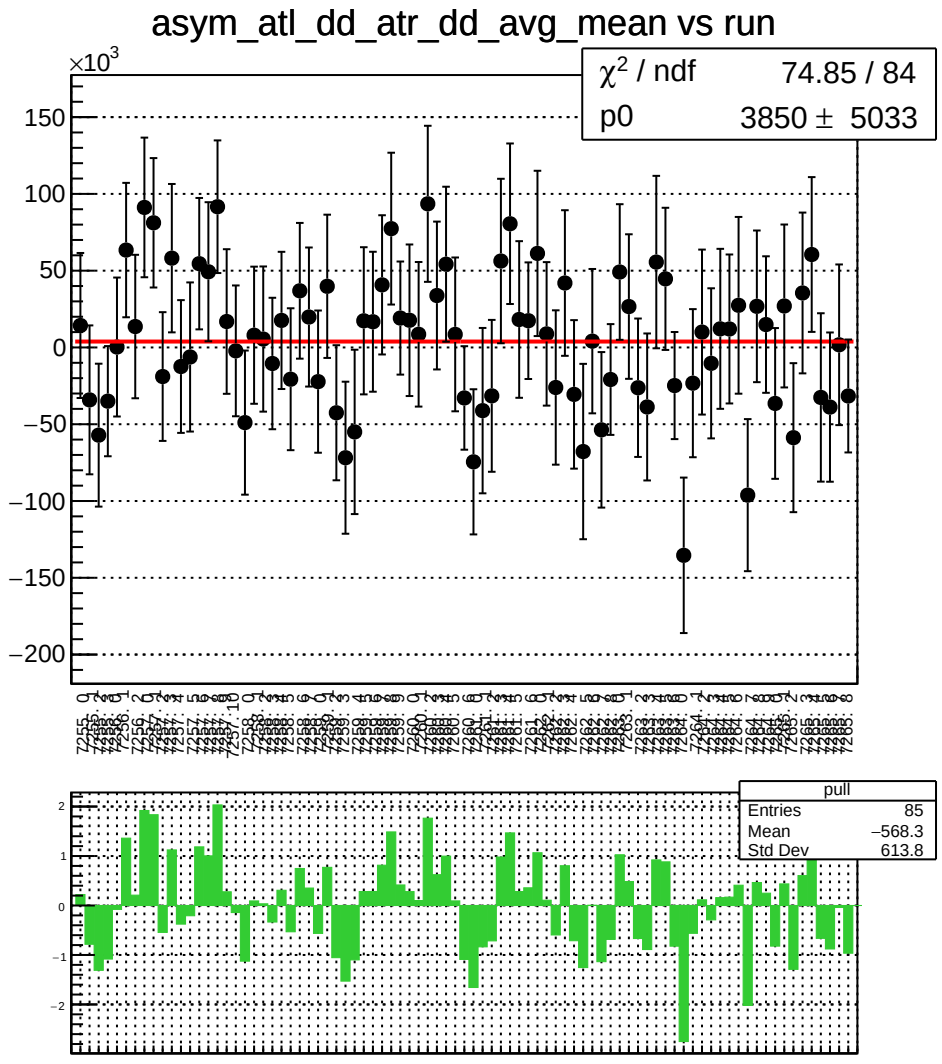

pull1D
Entries 85
Mean −0.03056
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

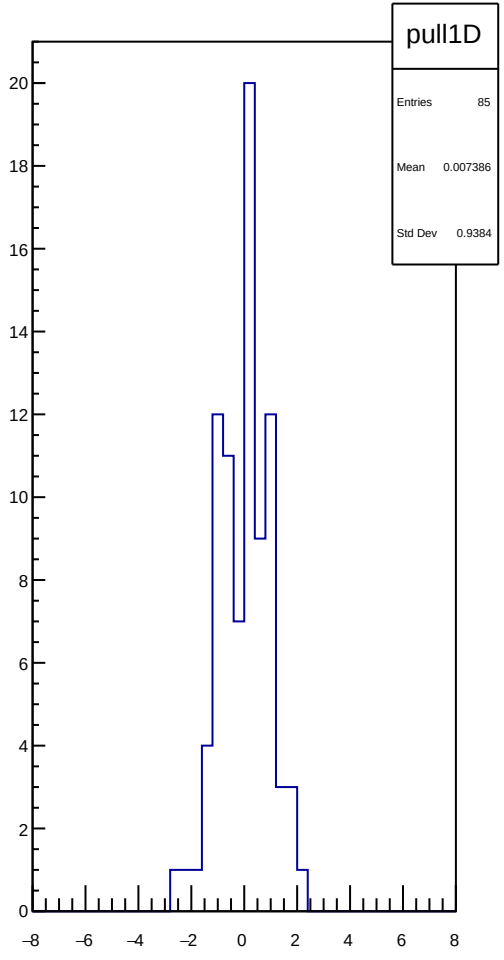

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 3.058e+04 / 84
p0 1268 ± 0.9967
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

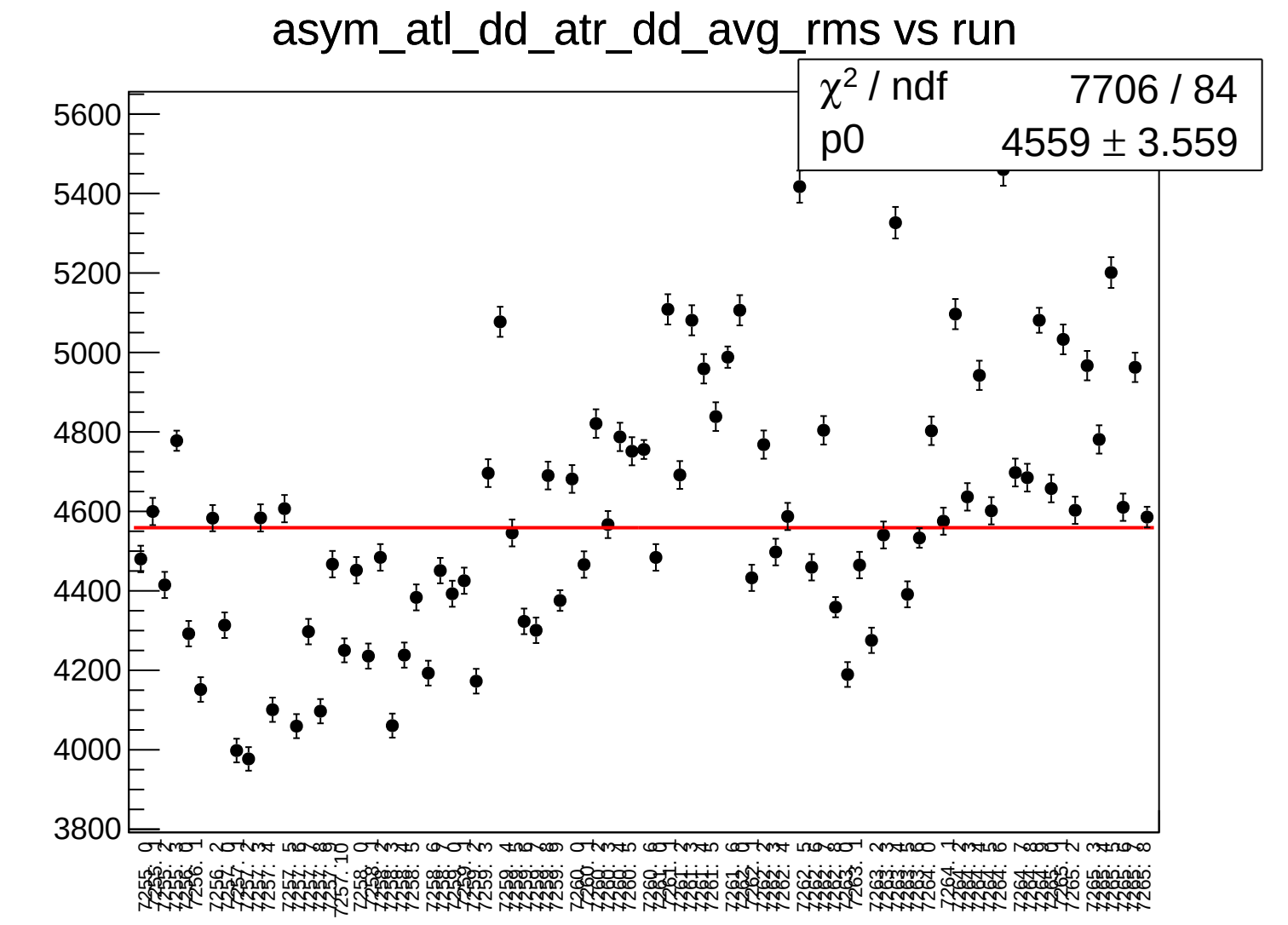

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 76.54 / 84
p0 −3557 ± 4823
pull
Entries 85
Mean −226.4
Std Dev 272.9

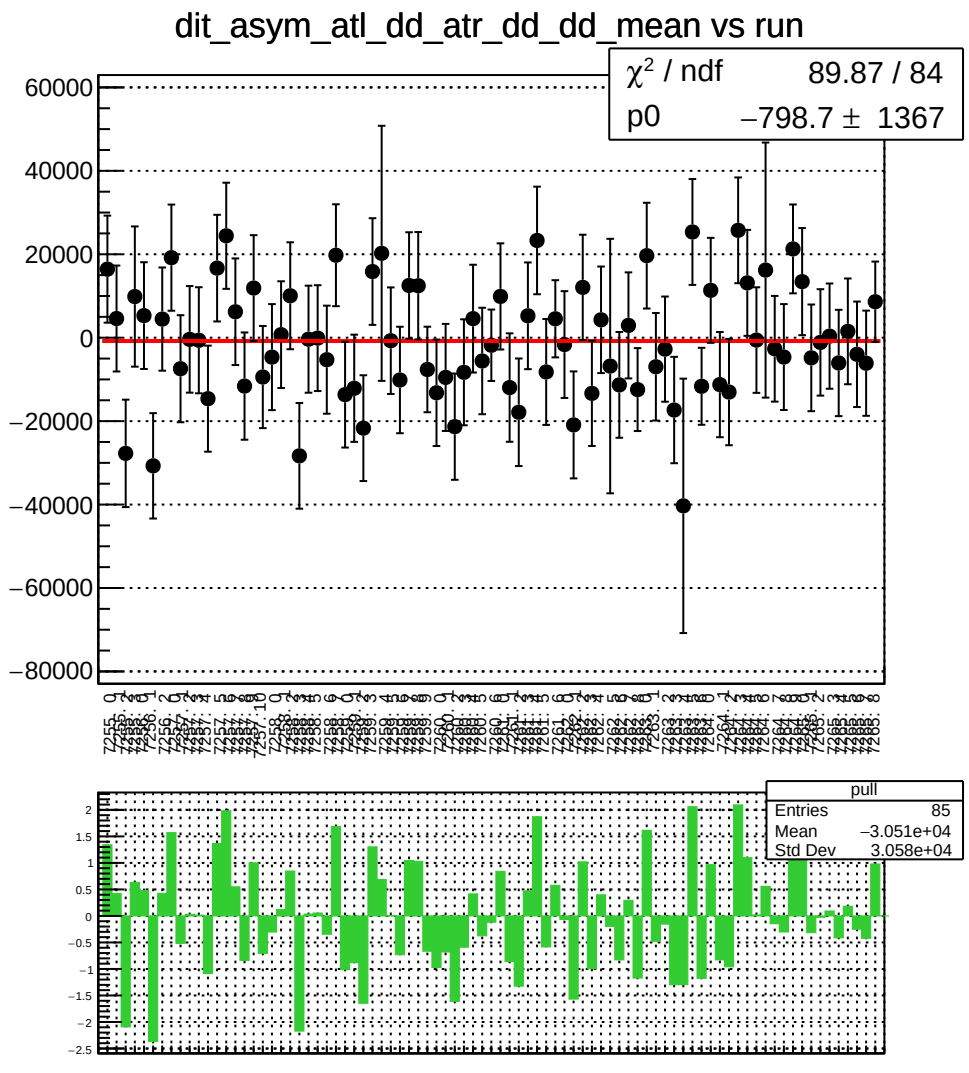

pull1D
Entries 85
Mean −0.01578
Std Dev 0.9488

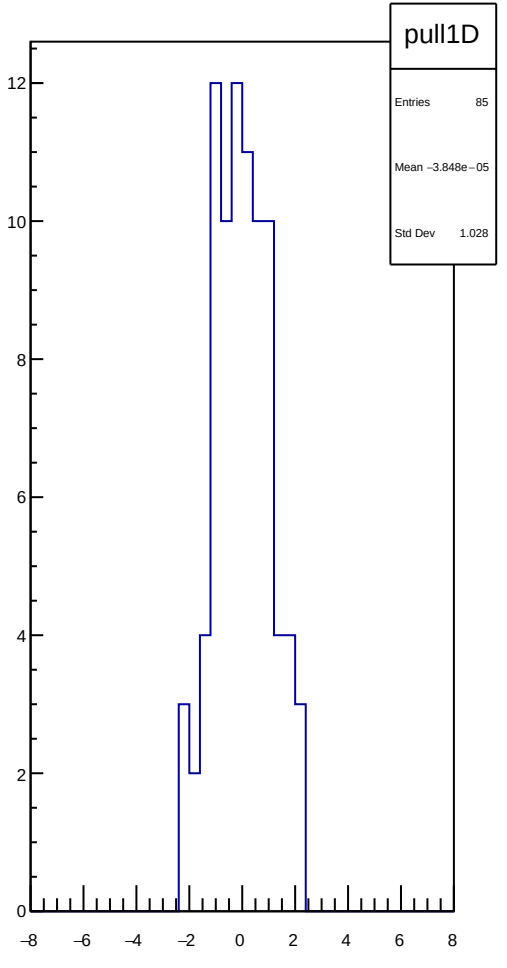

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 8630 / 84
p0 4368 ± 3.41
5200
5000
4800
4600
4400
4200
4000
3800
3600

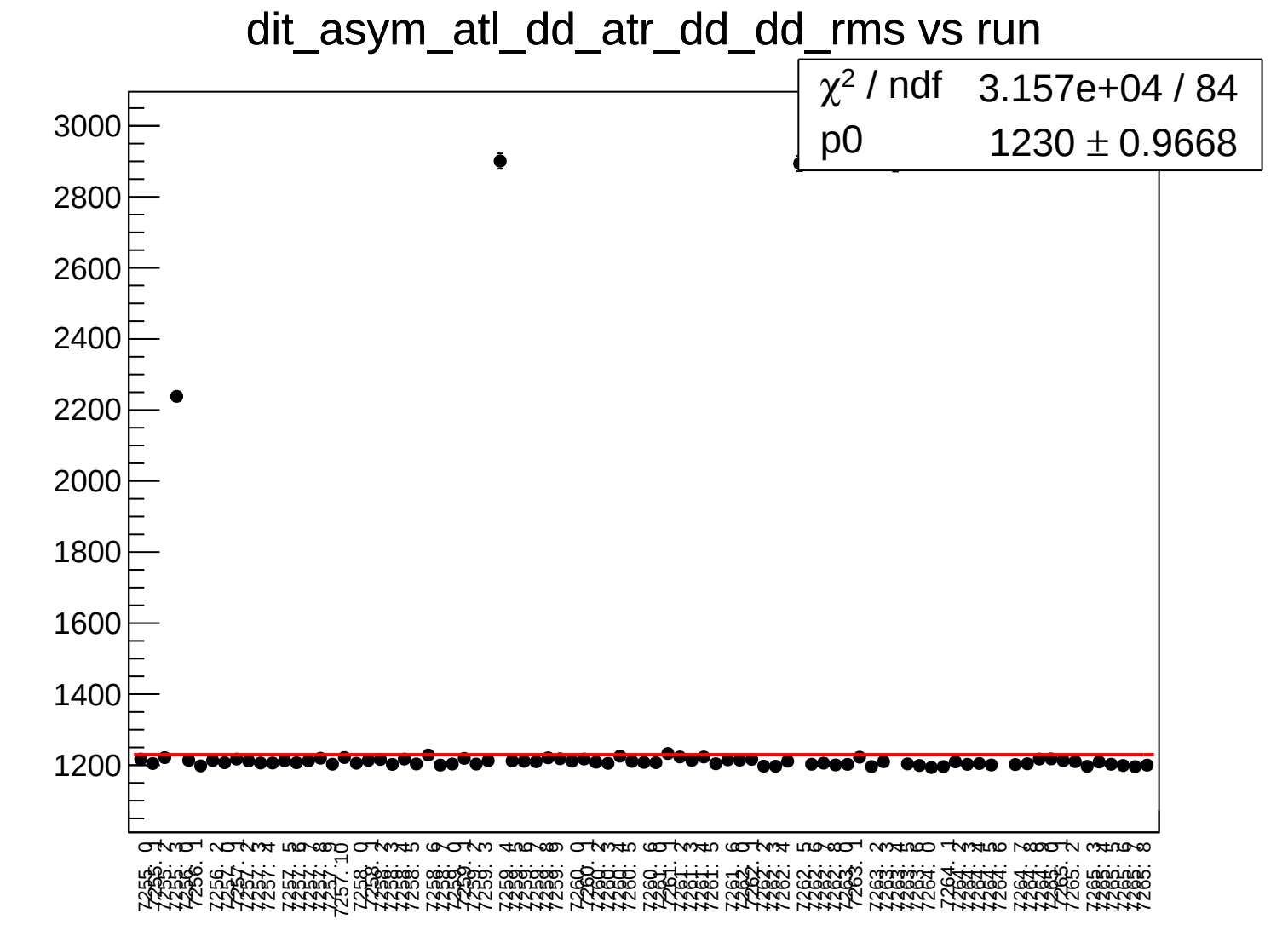

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 74.85 / 84
p0 3850 ± 5033
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −568.3
Std Dev 613.8
2
1
0
−1
−2

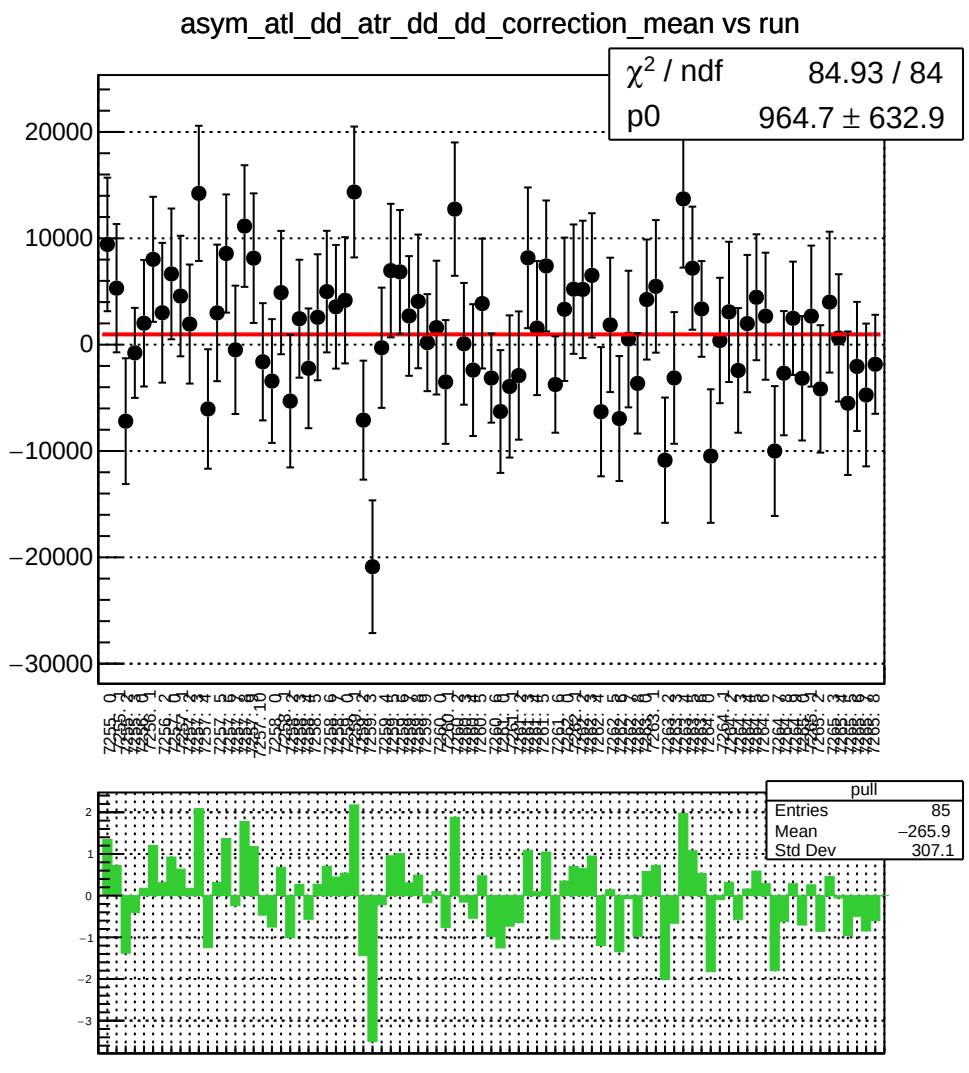

pull1D
Entries 85
Mean 0.007386
Std Dev 0.9384
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

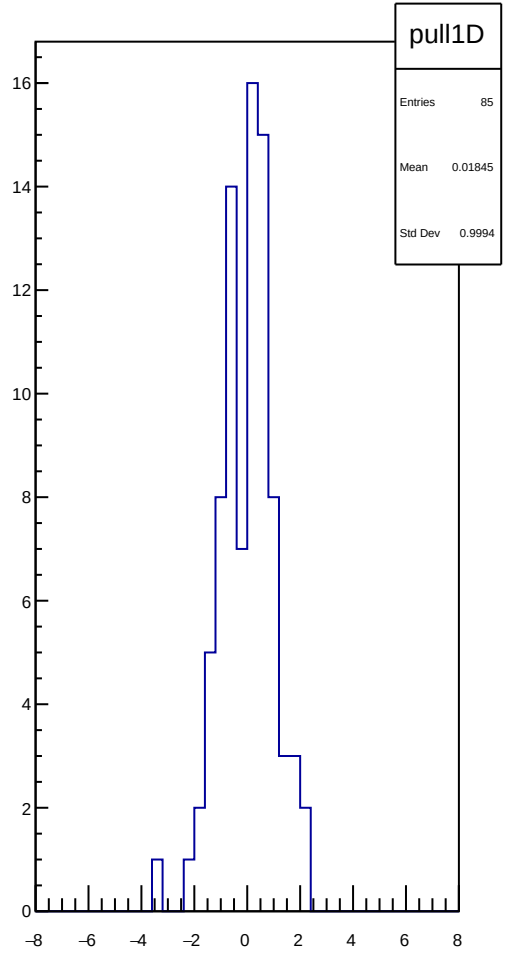

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 7706 / 84
p0 4559 ± 3.559
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

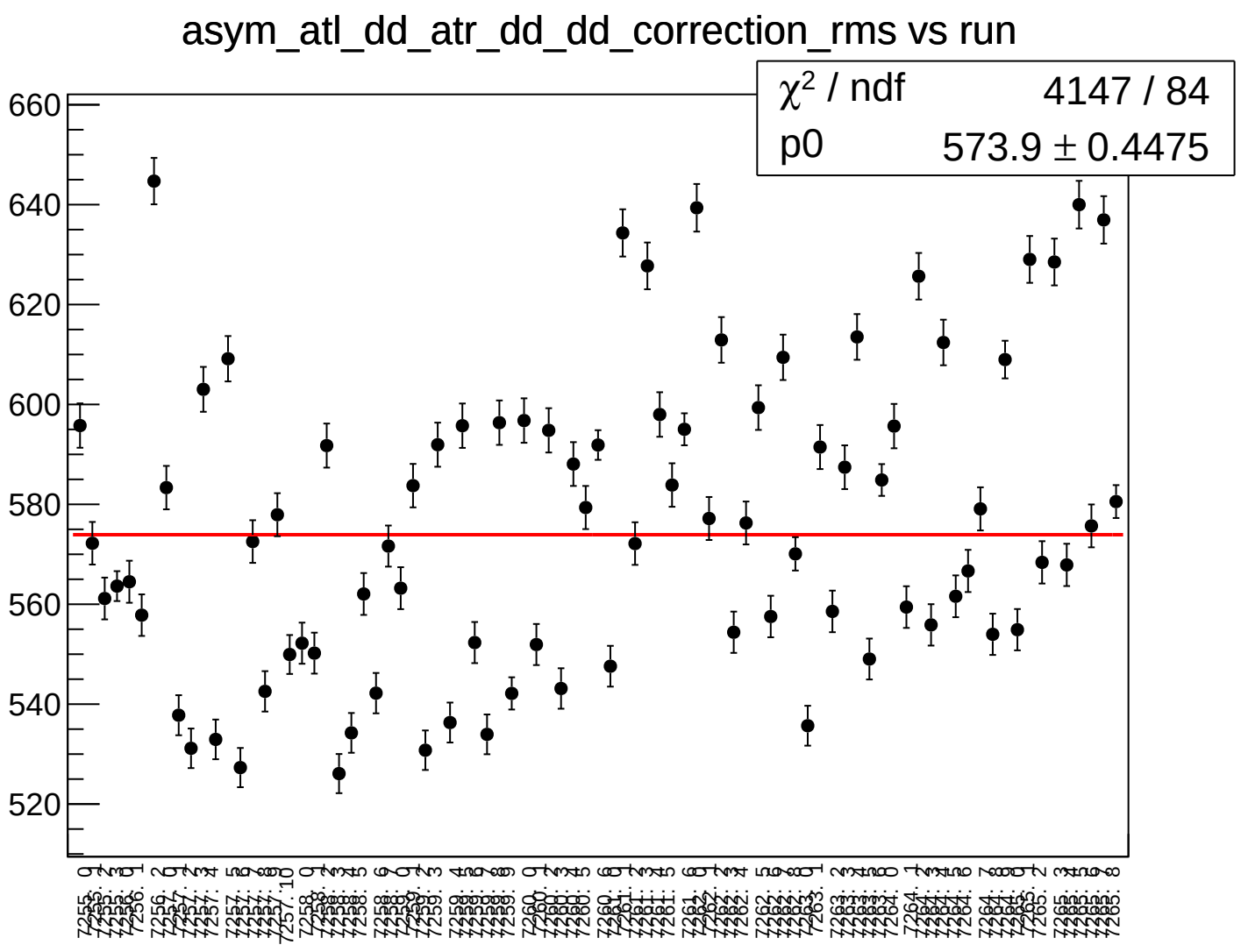

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 89.87 / 84
p0 −798.7 ± 1367
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean −3.051e+04
Std Dev 3.058e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

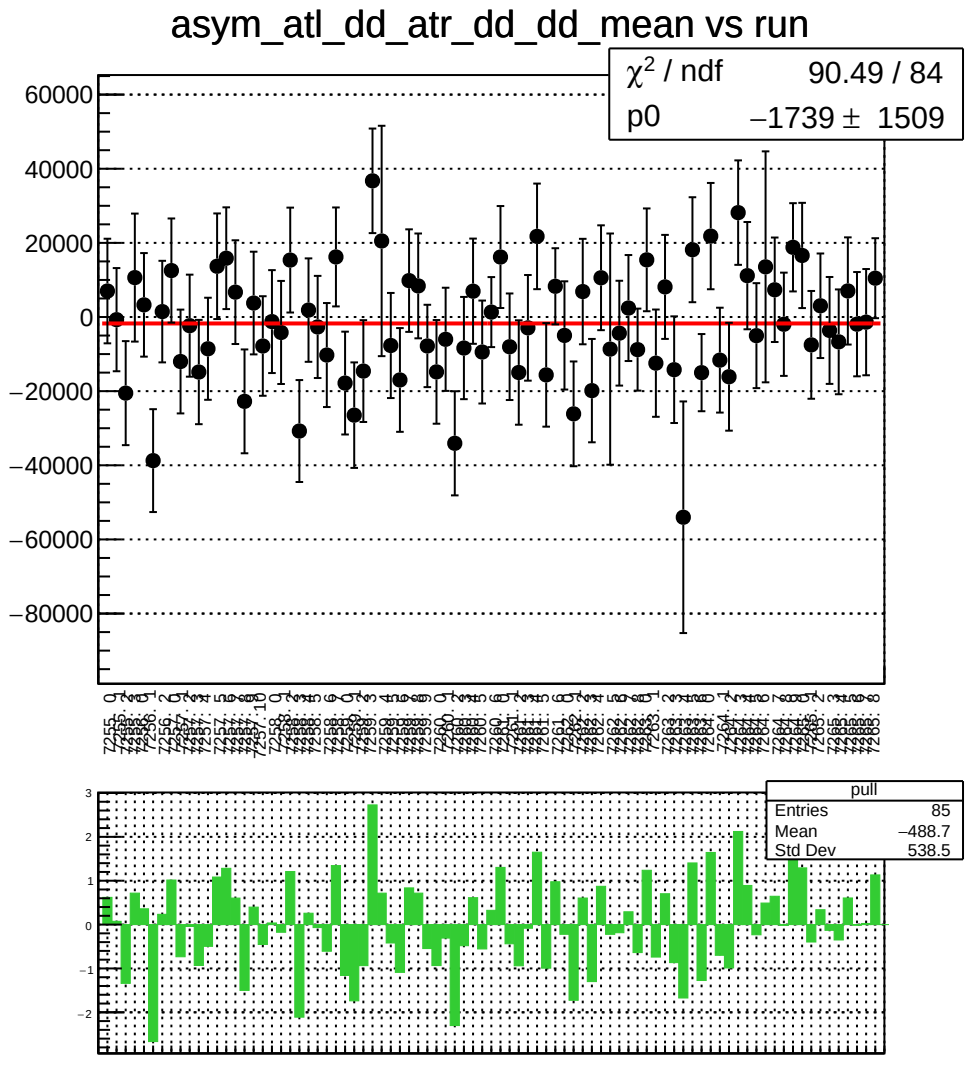

pull1D
Entries 85
Mean −3.848e−05
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

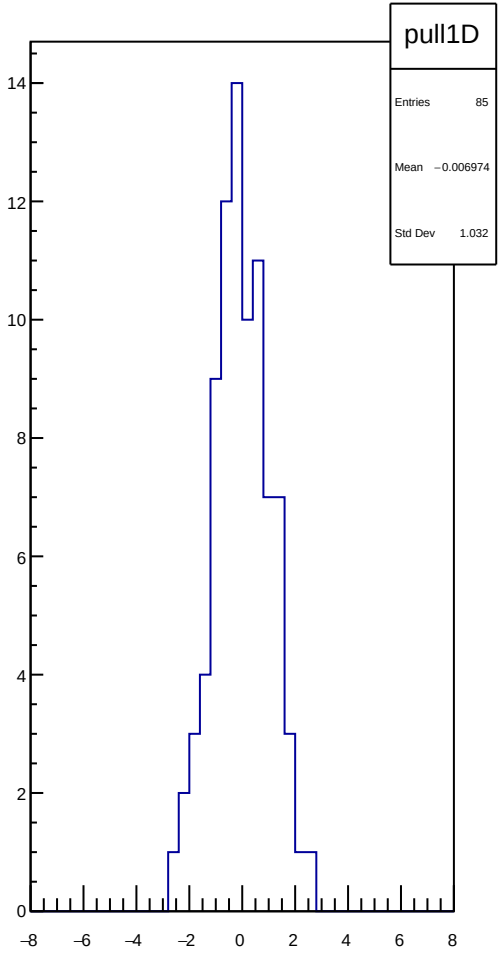

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 3.157e+04 / 84
p0 1230 ± 0.9668
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

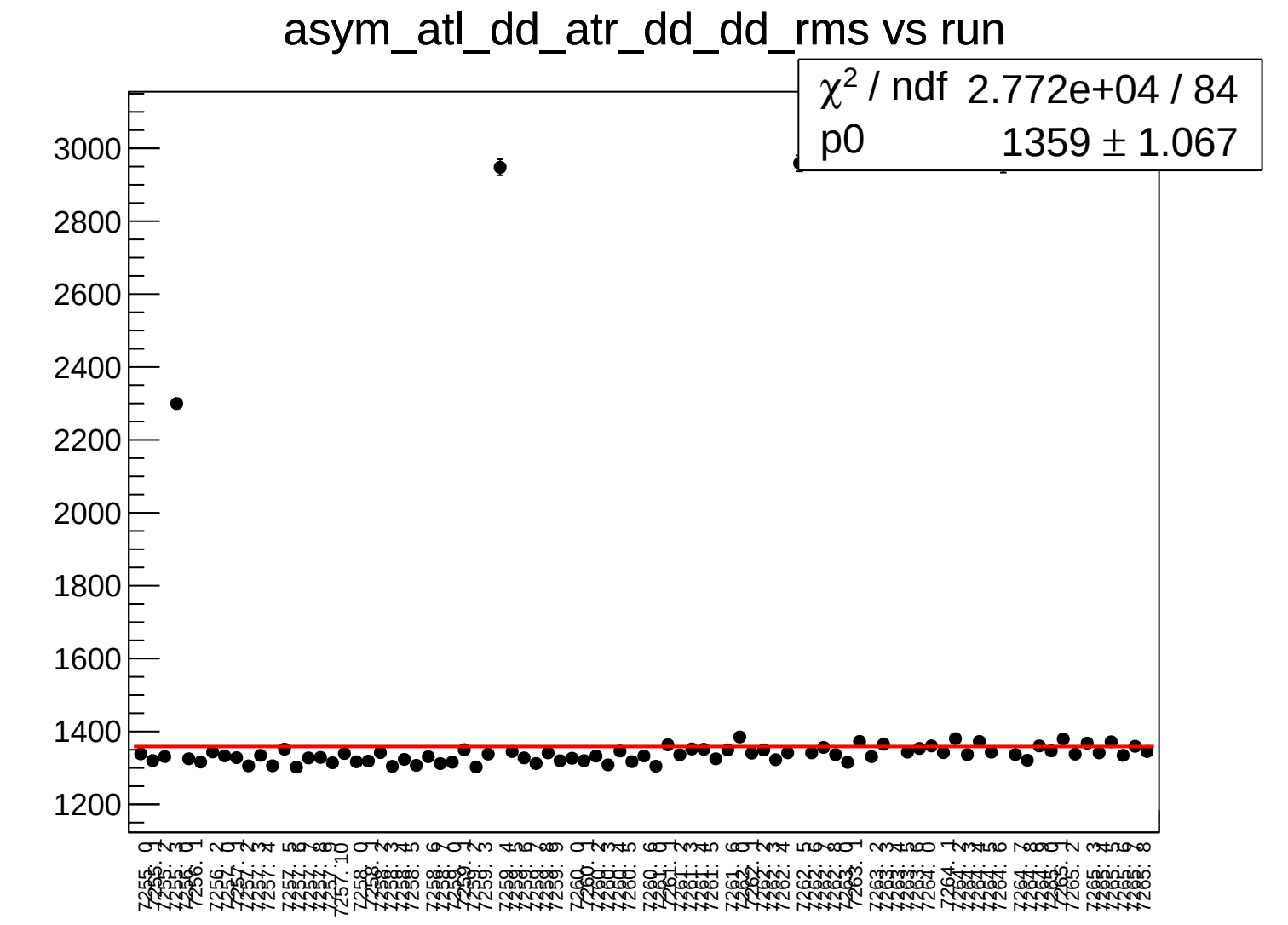

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 84.93 / 84
p0 964.7 ± 632.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −265.9
Std Dev 307.1
2
1
0
−1
−2
−3

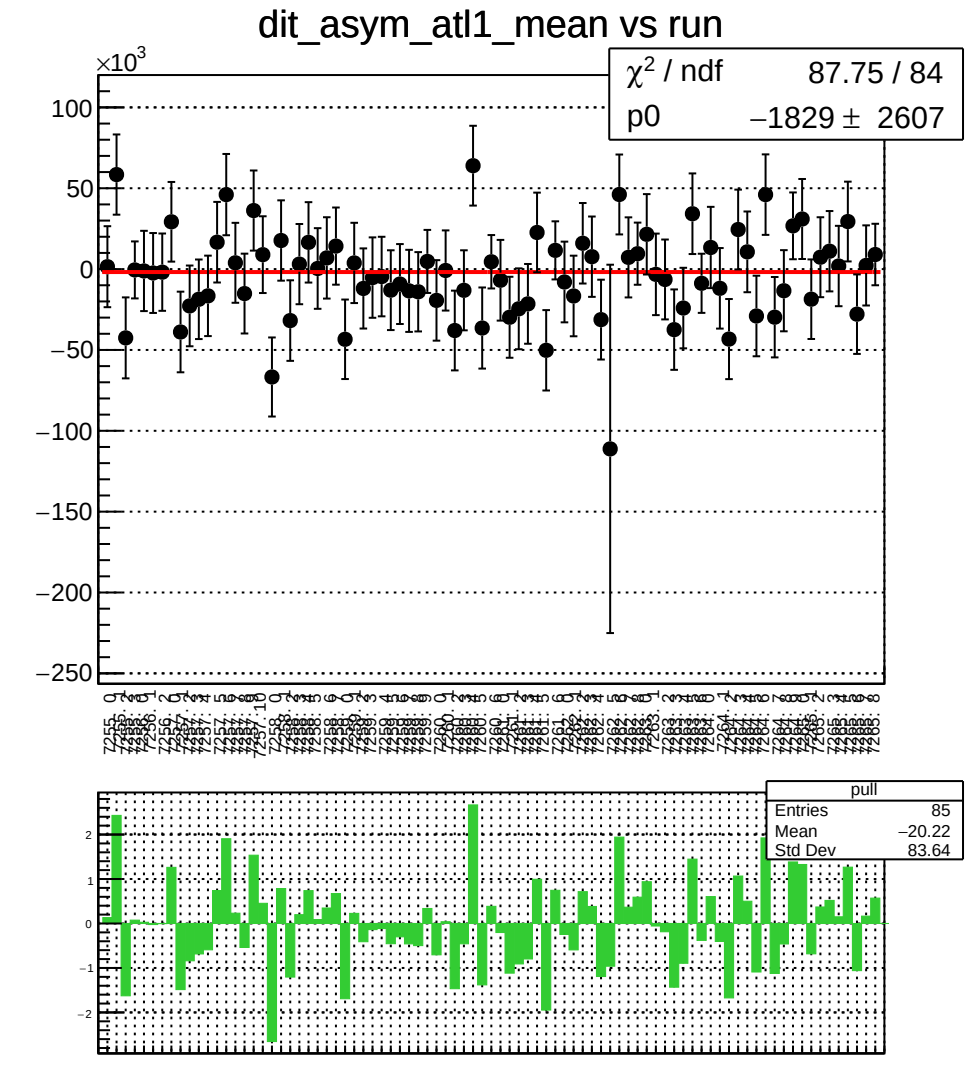

pull1D
Entries 85
Mean 0.01845
Std Dev 0.9994
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

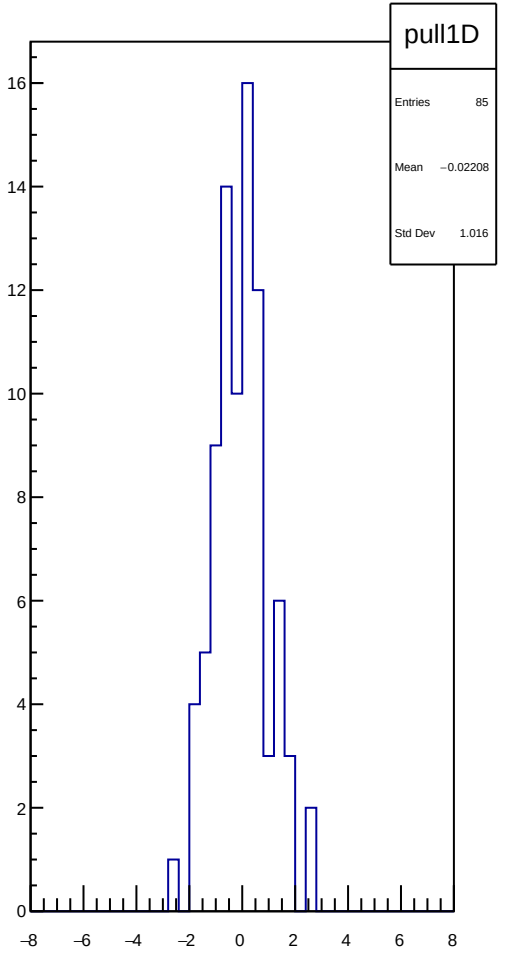

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 4147 / 84
p0 573.9 ± 0.4475
660
640
620
600
580
560
540
520

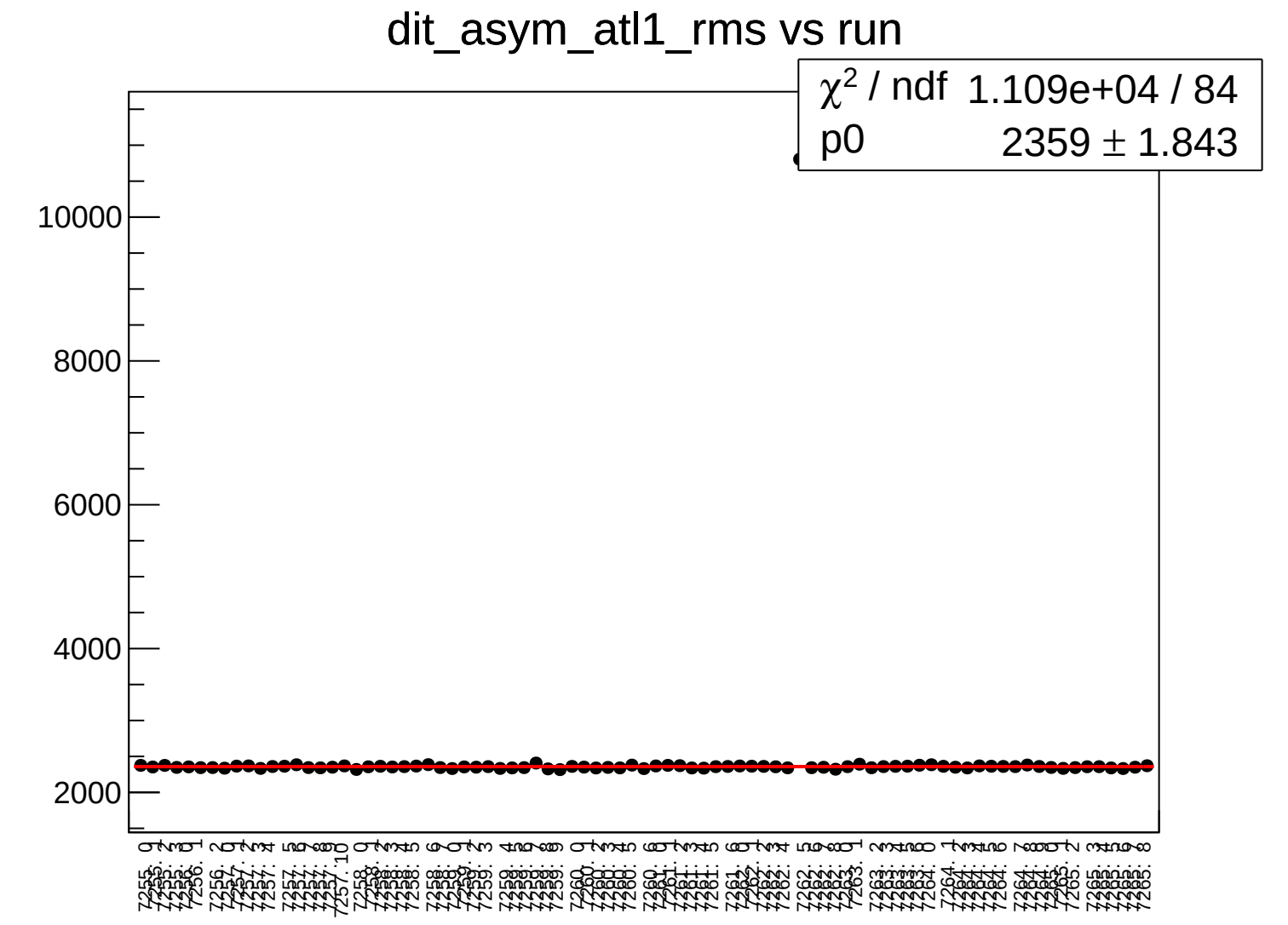

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 90.49 / 84
p0 −1739 ± 1509
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean −488.7
Std Dev 538.5
3
2
1
0
−1
−2

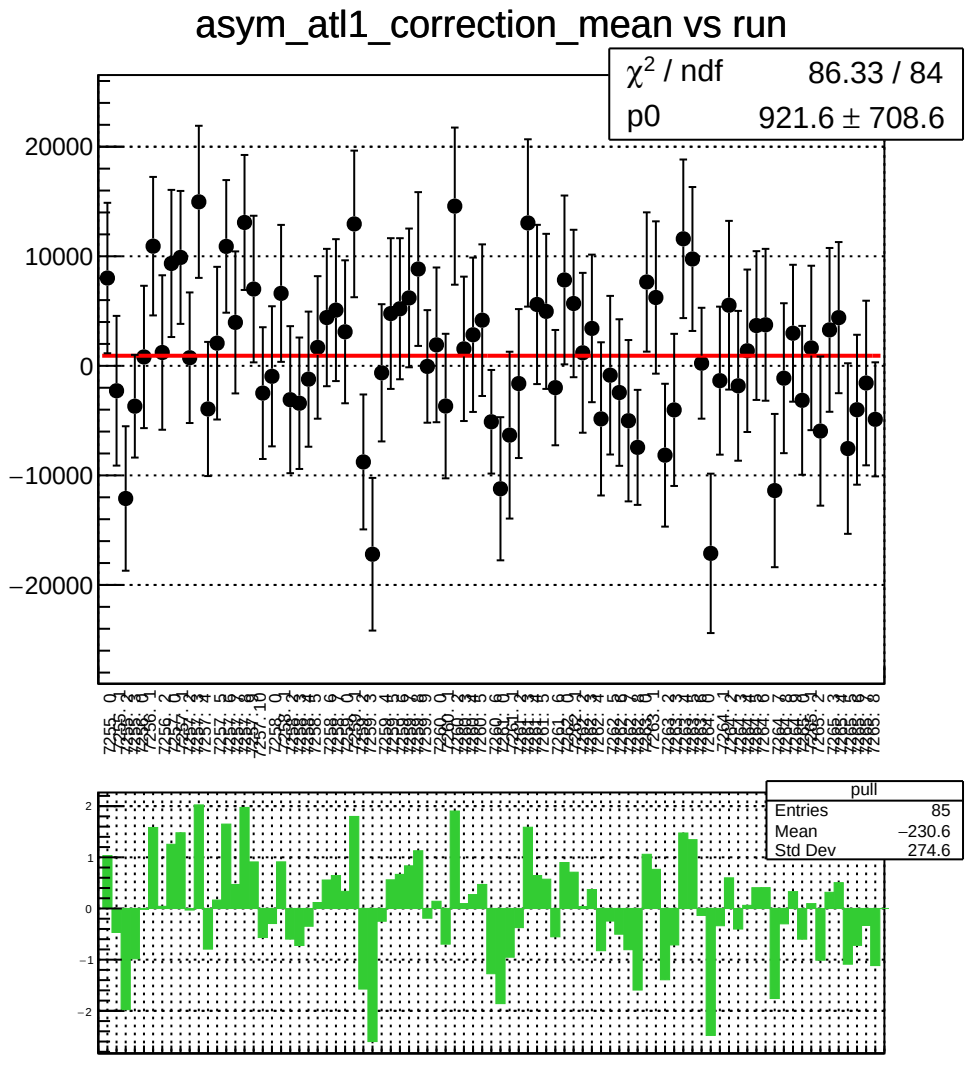

pull1D
Entries 85
Mean −0.006974
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

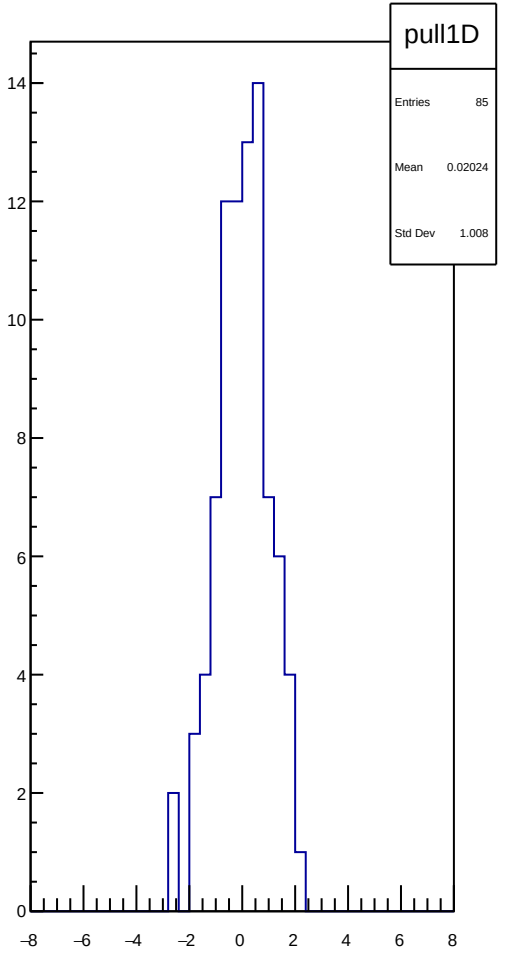

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 2.772e+04 / 84
p0 1359 ± 1.067
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

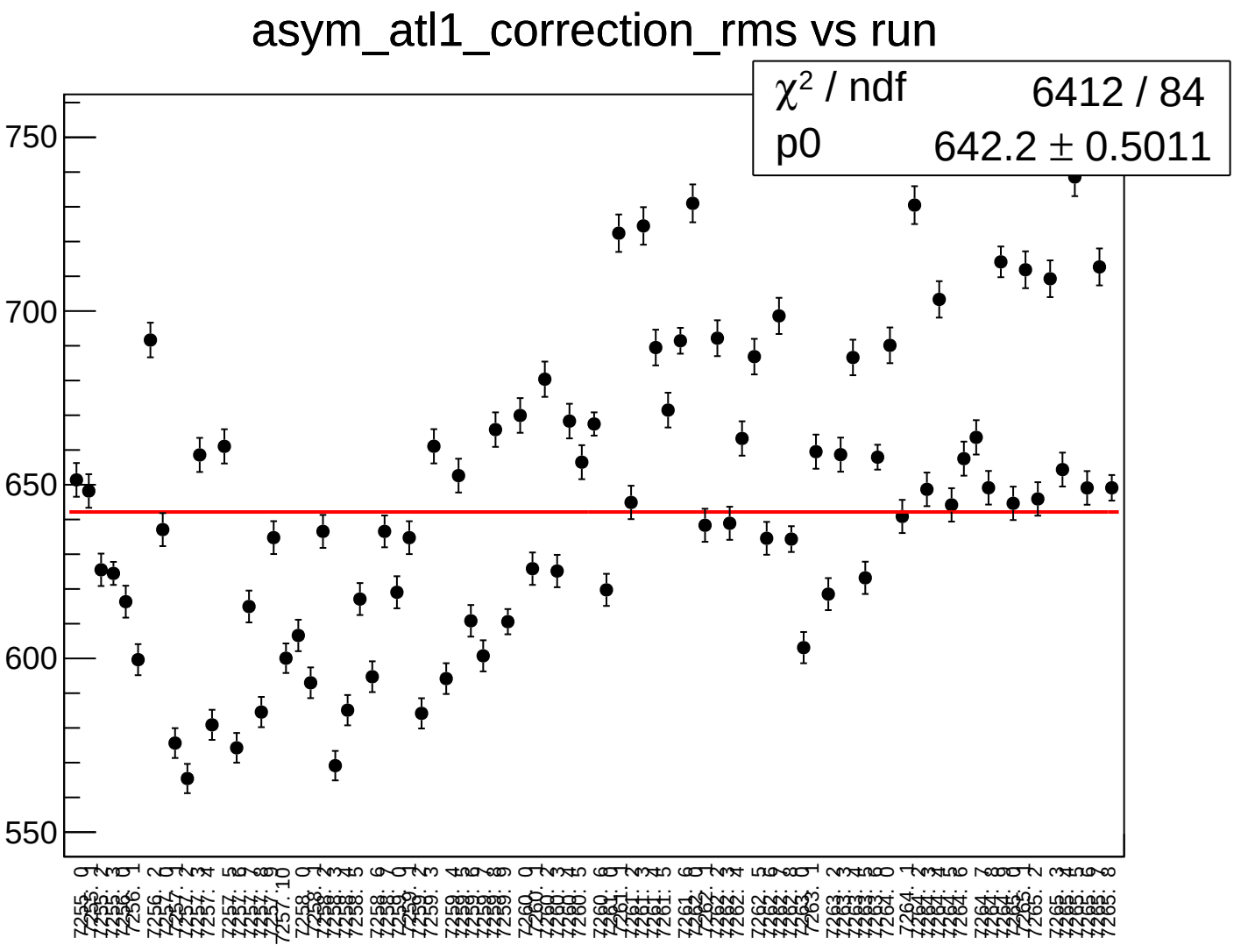

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 87.75 / 84
p0 −1829 ± 2607
pull
Entries 85
Mean −20.22
Std Dev 83.64

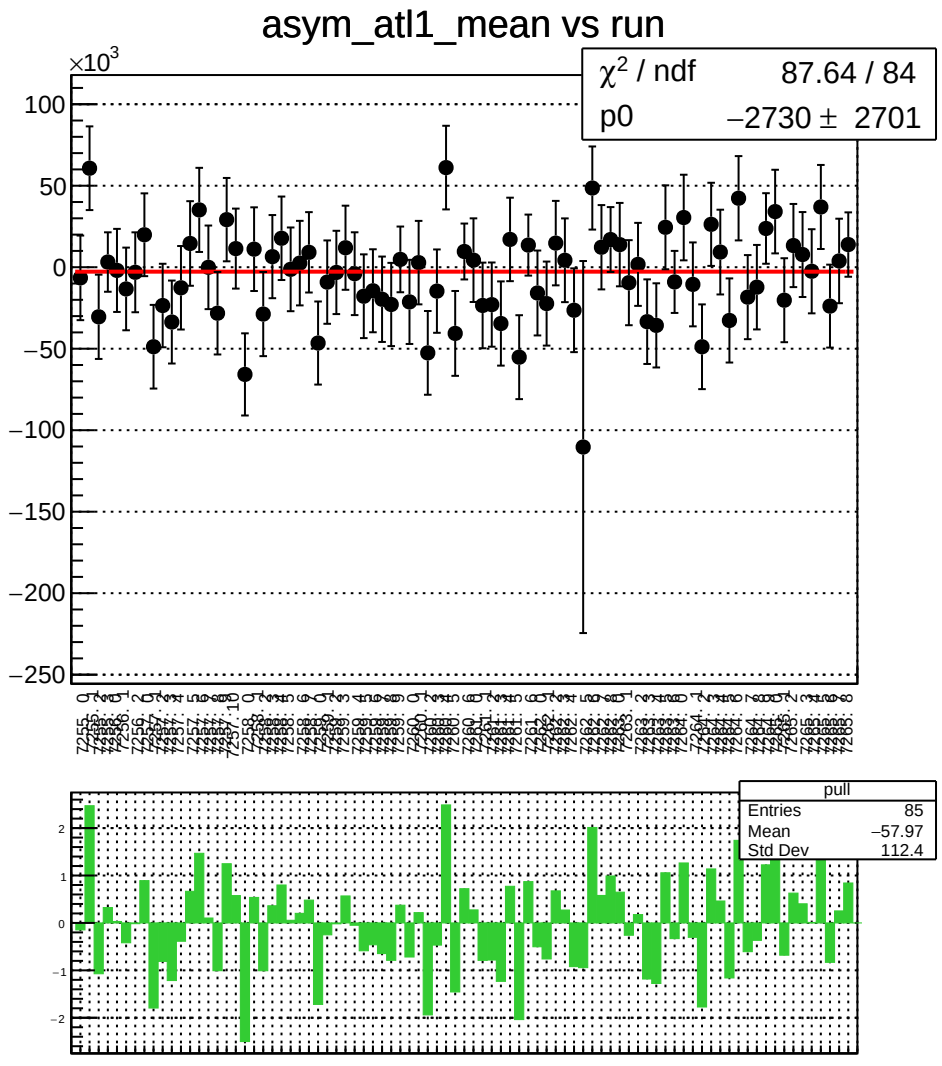

pull1D
Entries 85
Mean −0.02208
Std Dev 1.016

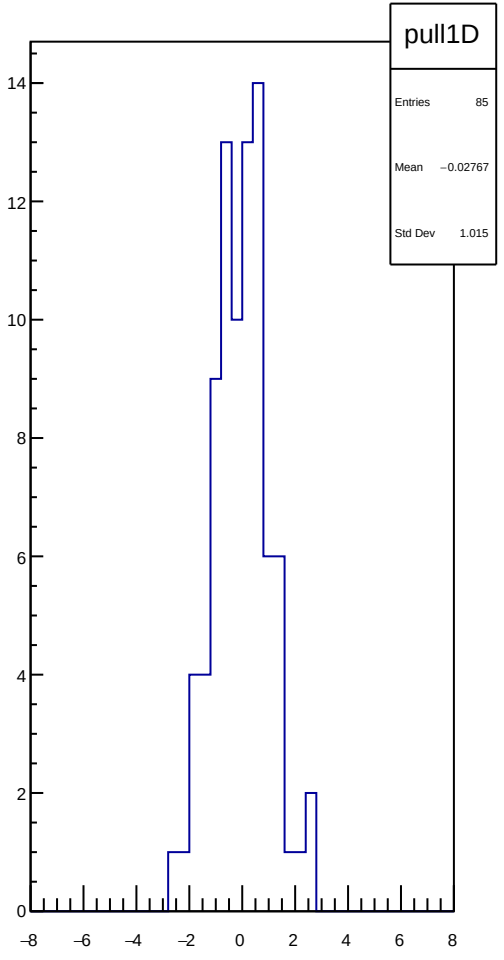

dit_asym_atl1_rms vs run
χ^2 / ndf 1.109e+04 / 84
p0 2359 ± 1.843
10000
8000
6000
4000
2000

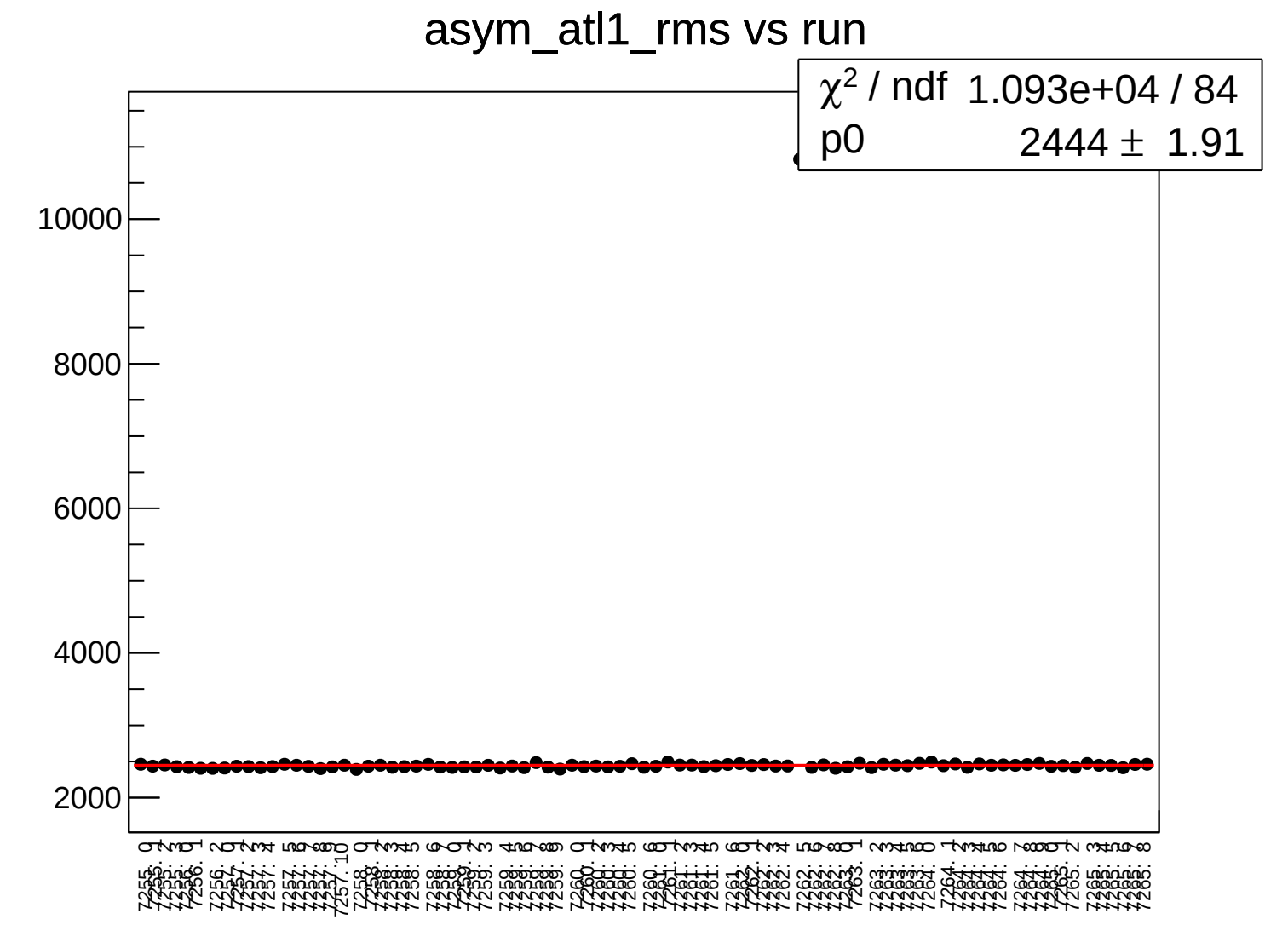

asym_atl1_correction_mean vs run
χ² / ndf 86.33 / 84
p0 921.6 ± 708.6
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −230.6
Std Dev 274.6
2
1
0
−1
−2

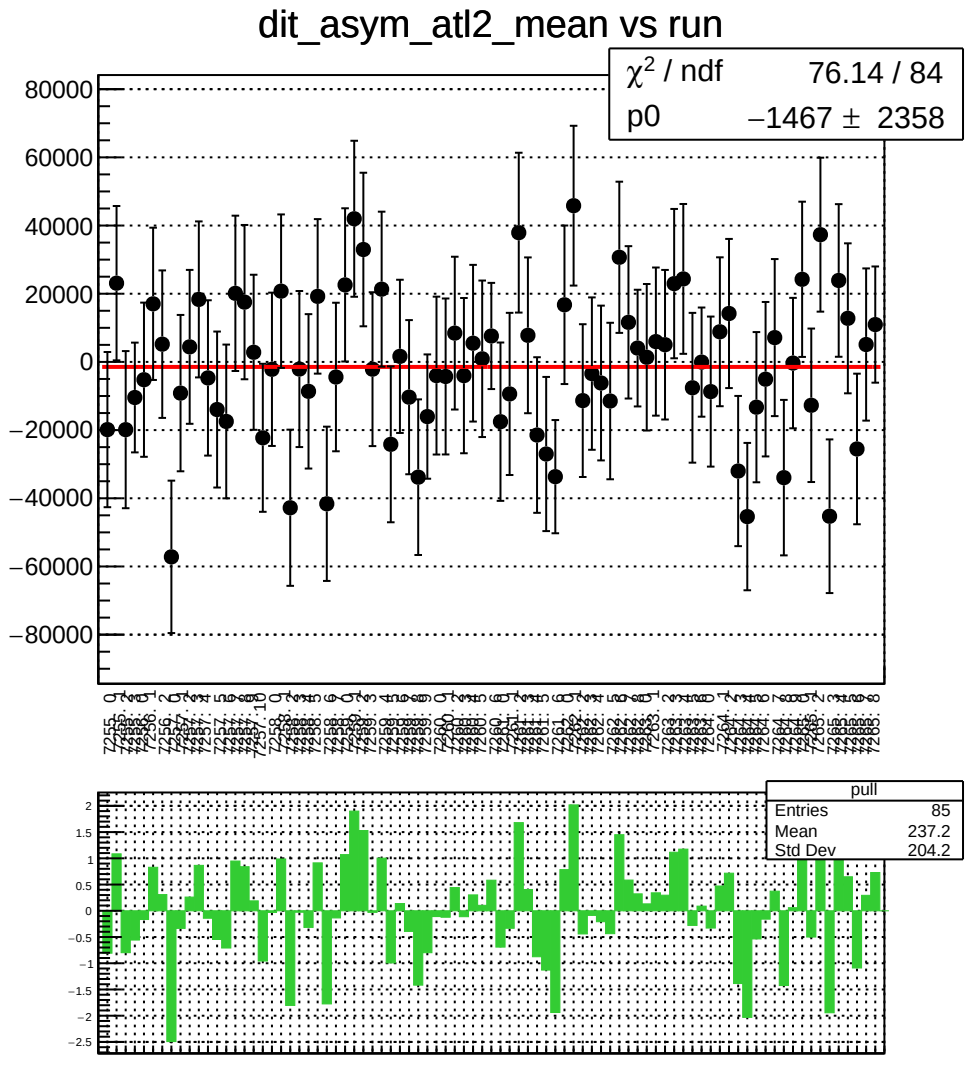

pull1D
Entries 85
Mean 0.02024
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

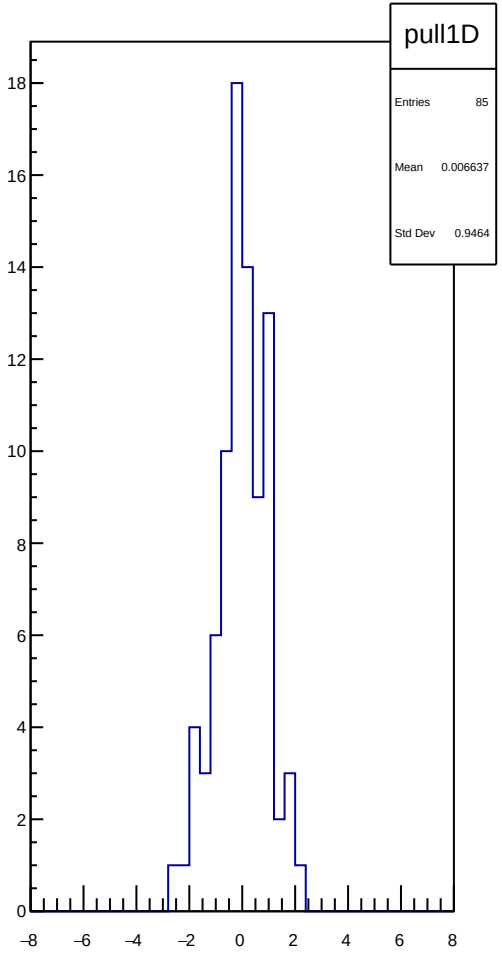

asym_atl1_correction_rms vs run
χ² / ndf 6412 / 84
p0 642.2 ± 0.5011
750
700
650
600
550

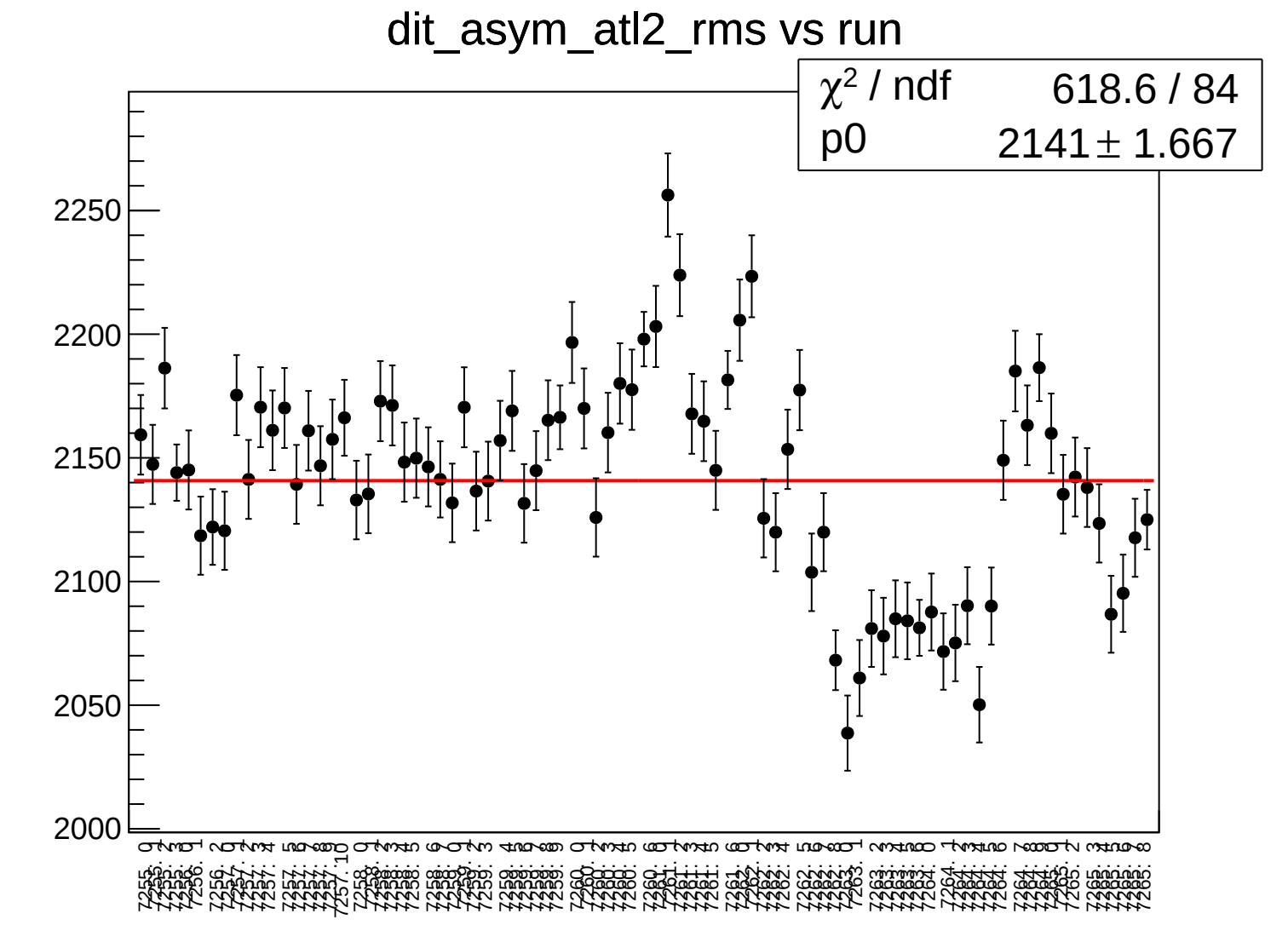

asym_atl1_mean vs run
×10^3
χ^2 / ndf 87.64 / 84
p0 −2730 ± 2701
pull
Entries 85
Mean −57.97
Std Dev 112.4

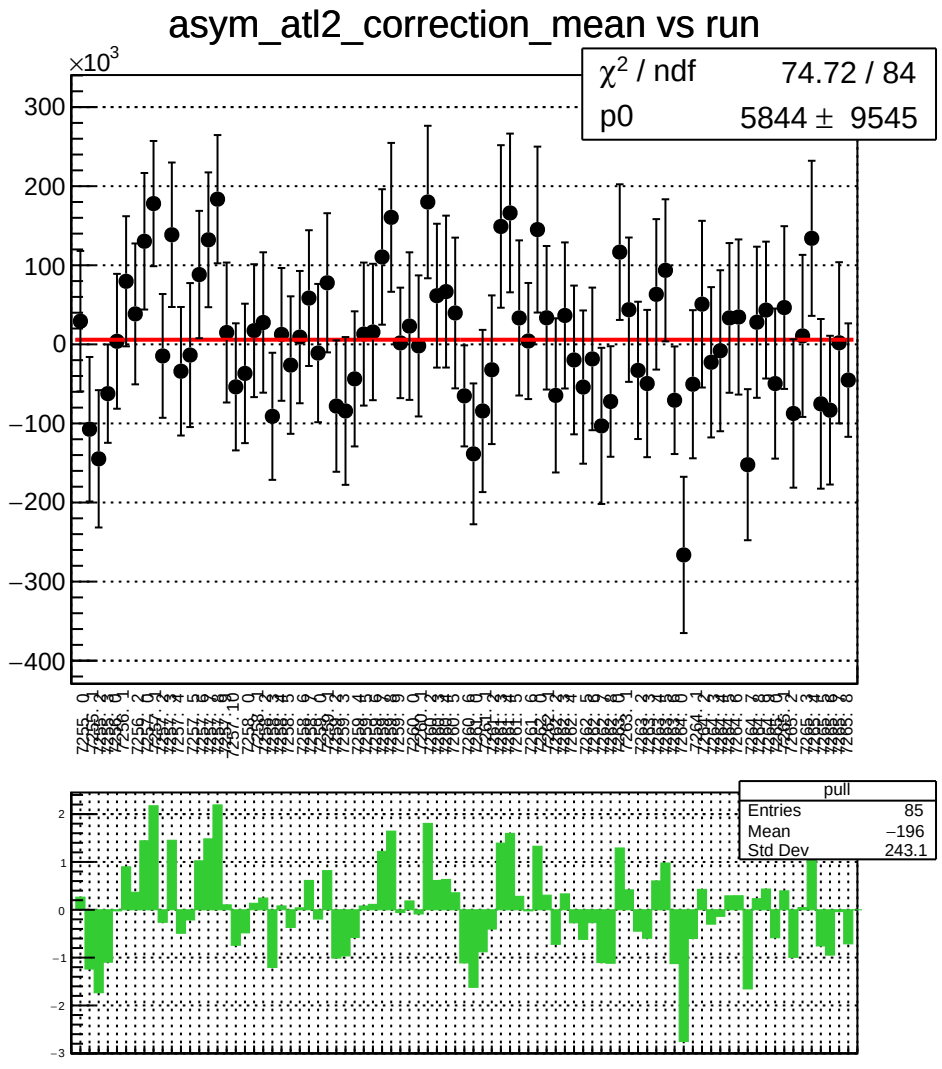

pull1D
Entries 85
Mean −0.02767
Std Dev 1.015

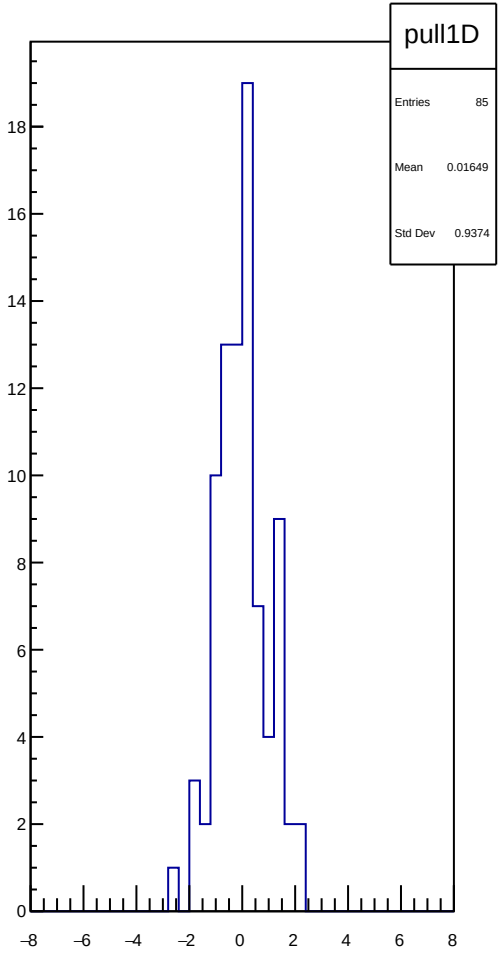

asym_atl1_rms vs run
χ² / ndf 1.093e+04 / 84
p0 2444 ± 1.91
10000
8000
6000
4000
2000

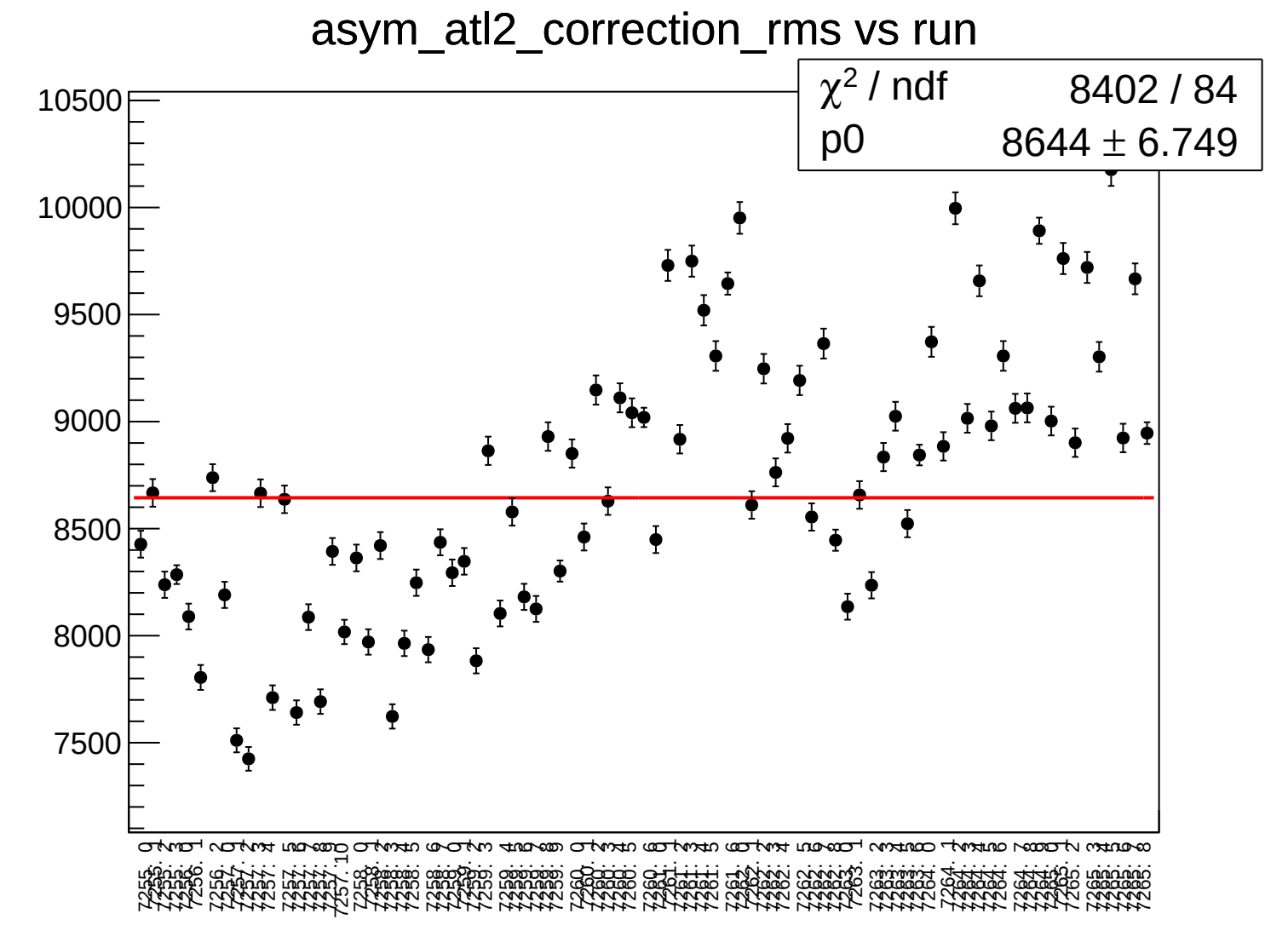

dit_asym_atl2_mean vs run
χ² / ndf 76.14 / 84
p0 −1467 ± 2358
pull
Entries 85
Mean 237.2
Std Dev 204.2

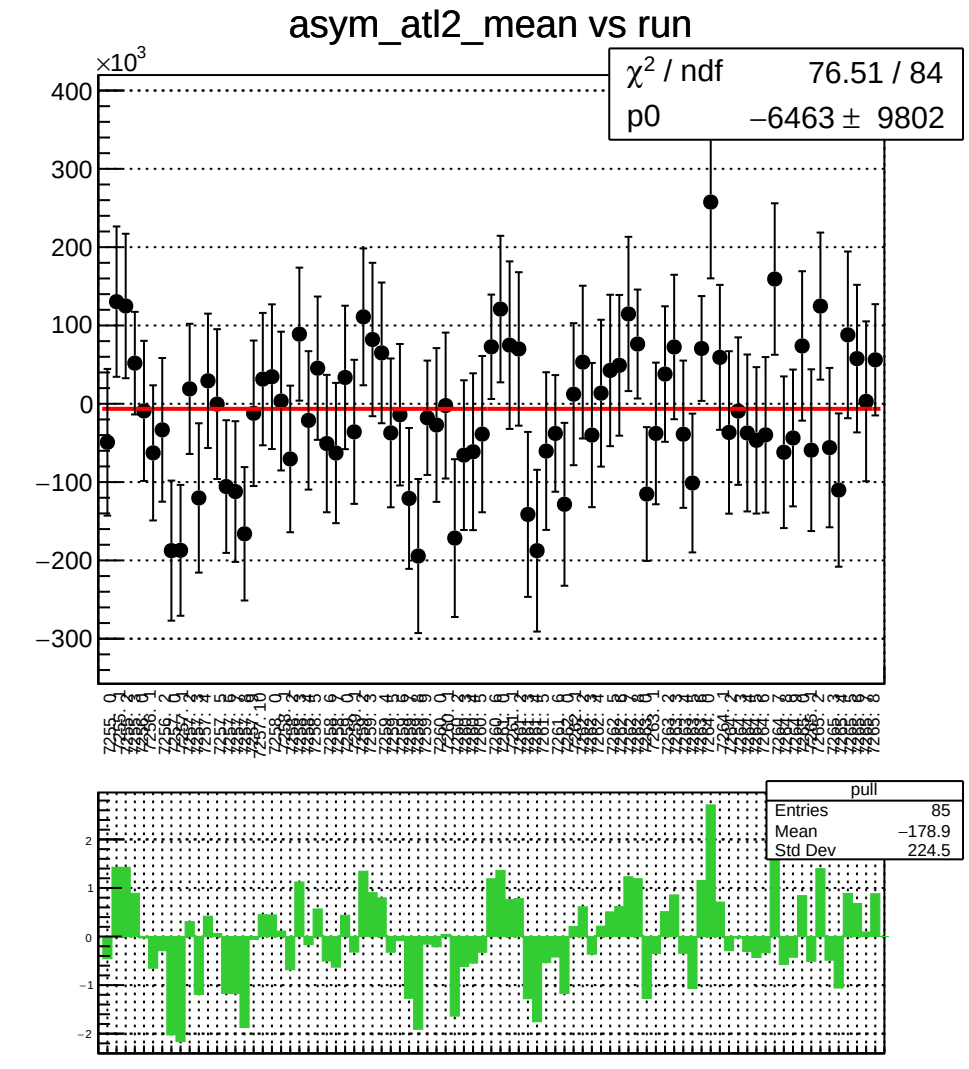

pull1D
Entries 85
Mean 0.006637
Std Dev 0.9464

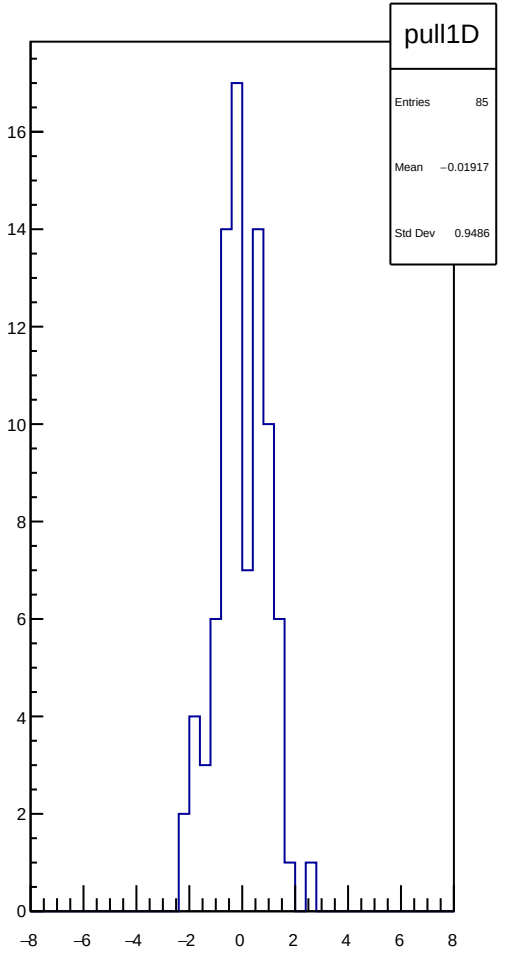

dit_asym_atl2_rms vs run
χ^2 / ndf 618.6 / 84
p0 2141 ± 1.667
2250
2200
2150
2100
2050
2000

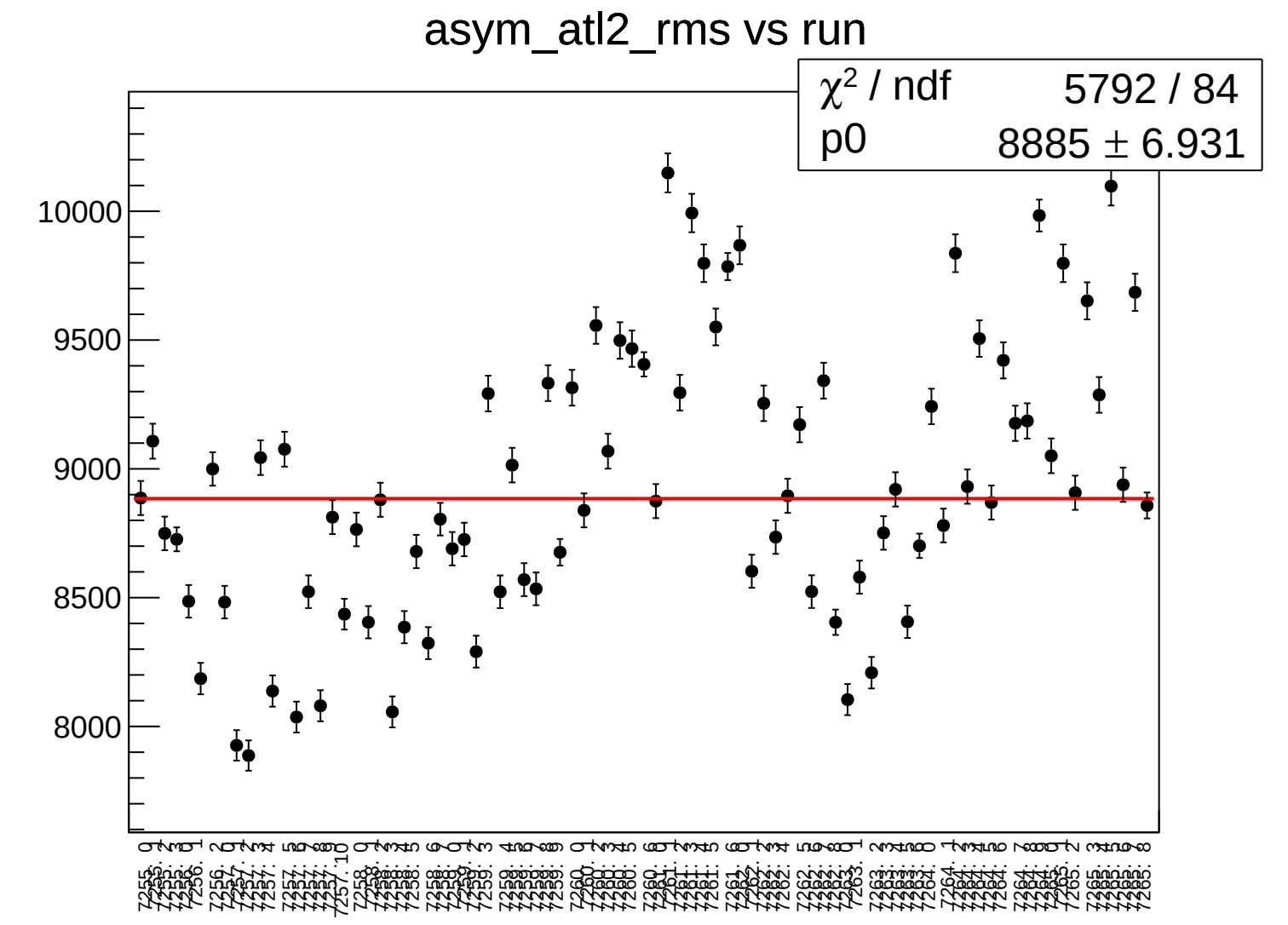

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 74.72 / 84
p0 5844 ± 9545
pull
Entries 85
Mean −196
Std Dev 243.1

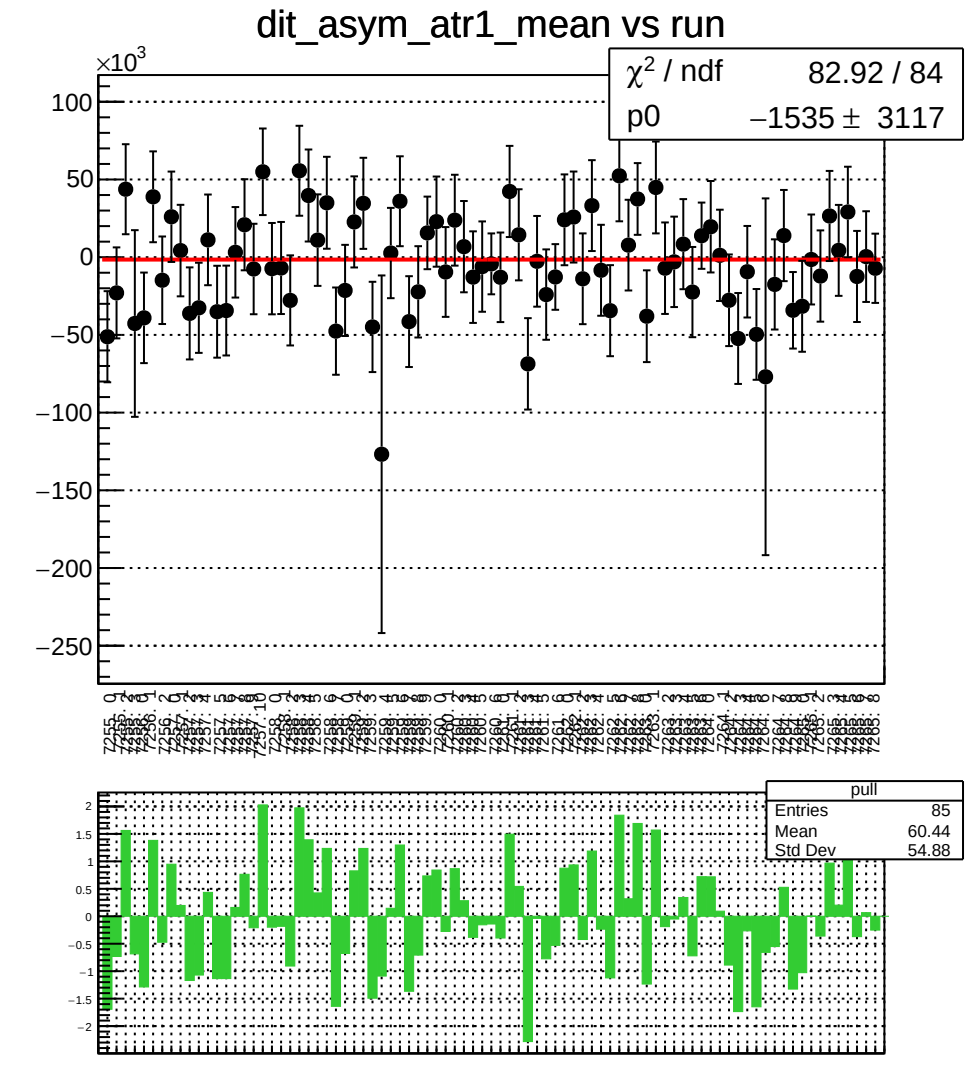

pull1D
Entries 85
Mean 0.01649
Std Dev 0.9374

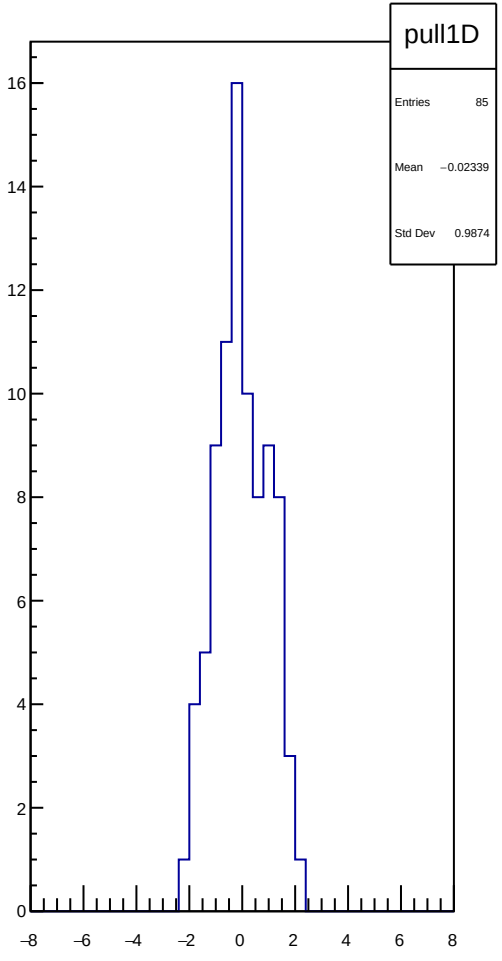

asym_atl2_correction_rms vs run
χ² / ndf 8402 / 84
p0 8644 ± 6.749
10500
10000
9500
9000
8500
8000
7500

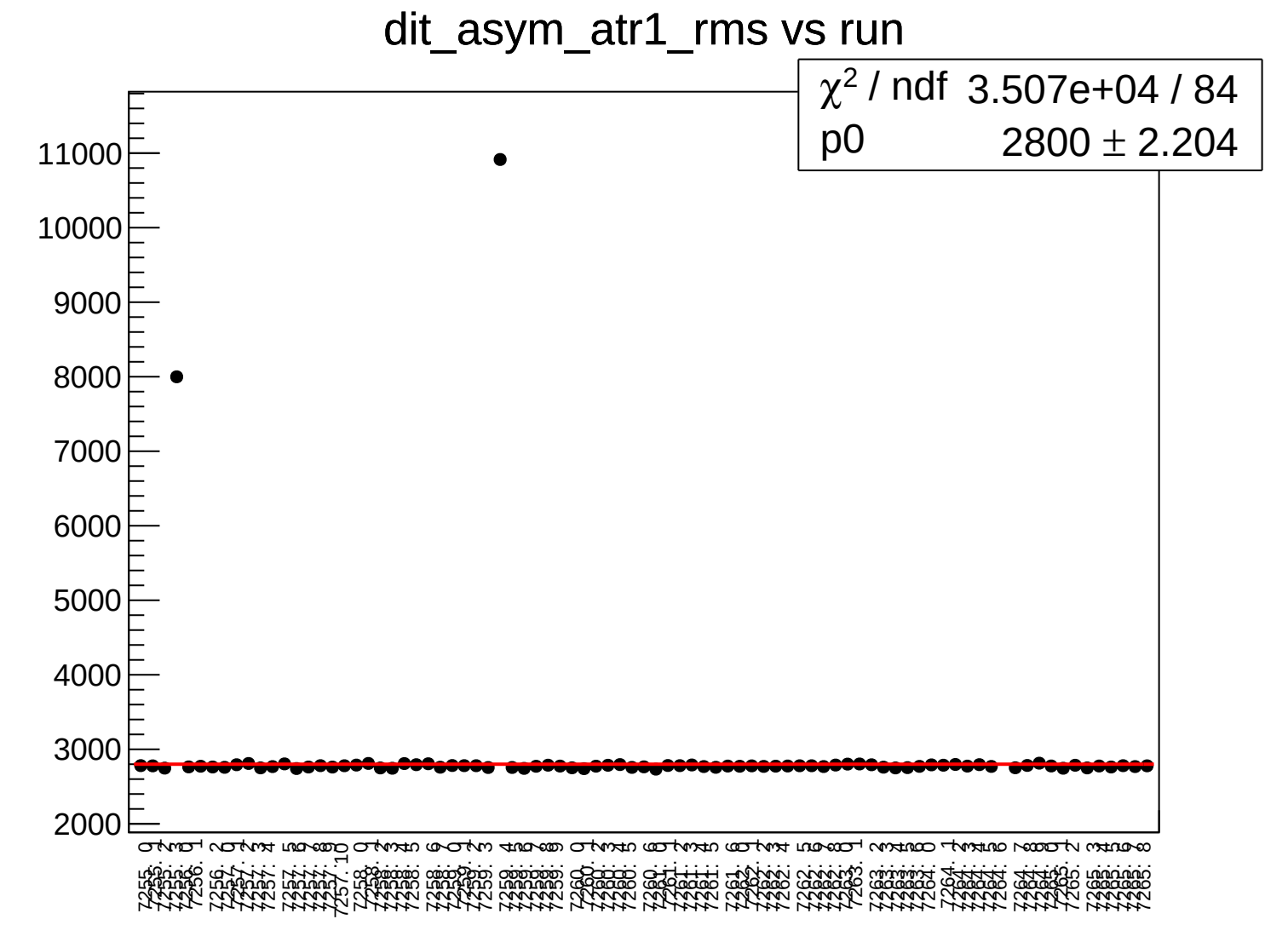

asym_atl2_mean vs run
×10^3
400
300
200
100
0
−100
−200
−300
χ² / ndf 76.51 / 84
p0 −6463 ± 9802
pull
Entries 85
Mean −178.9
Std Dev 224.5
2
1
0
−1
−2

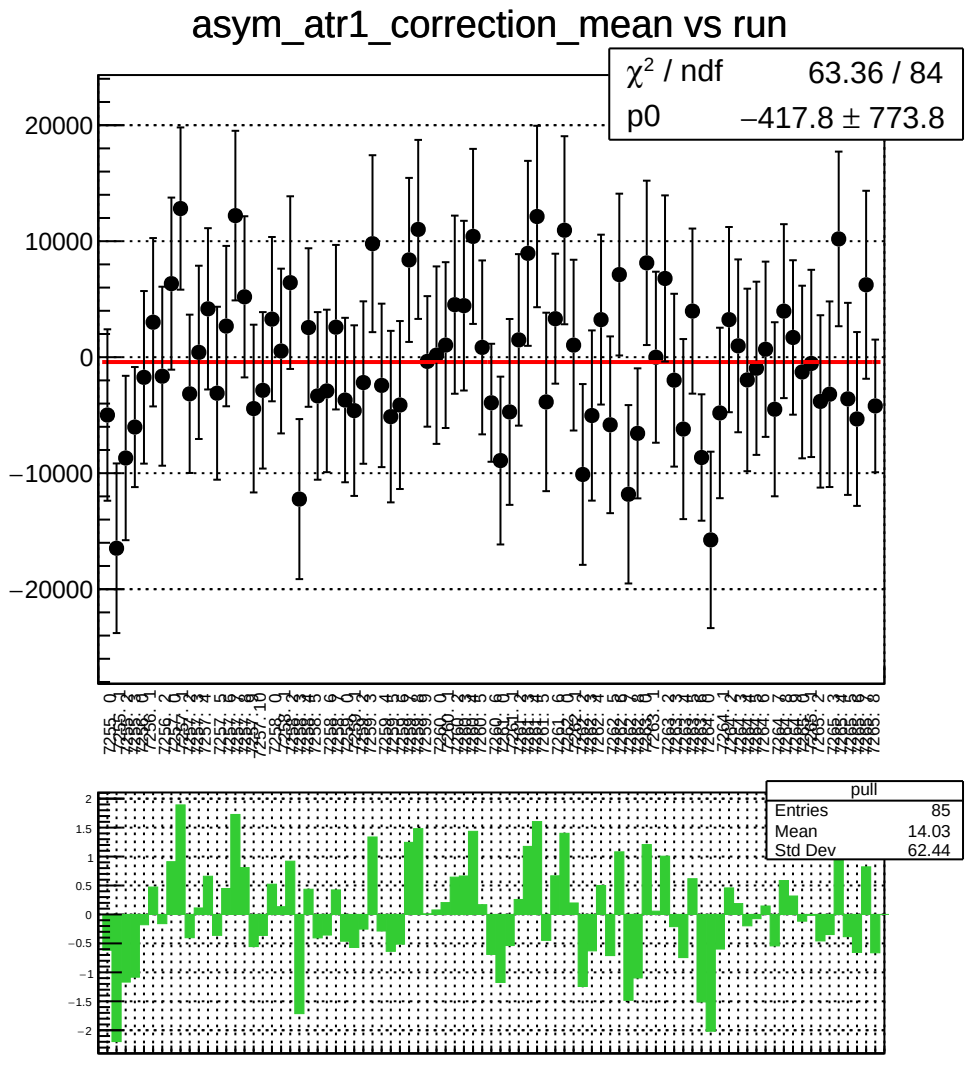

pull1D
Entries 85
Mean −0.01917
Std Dev 0.9486
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

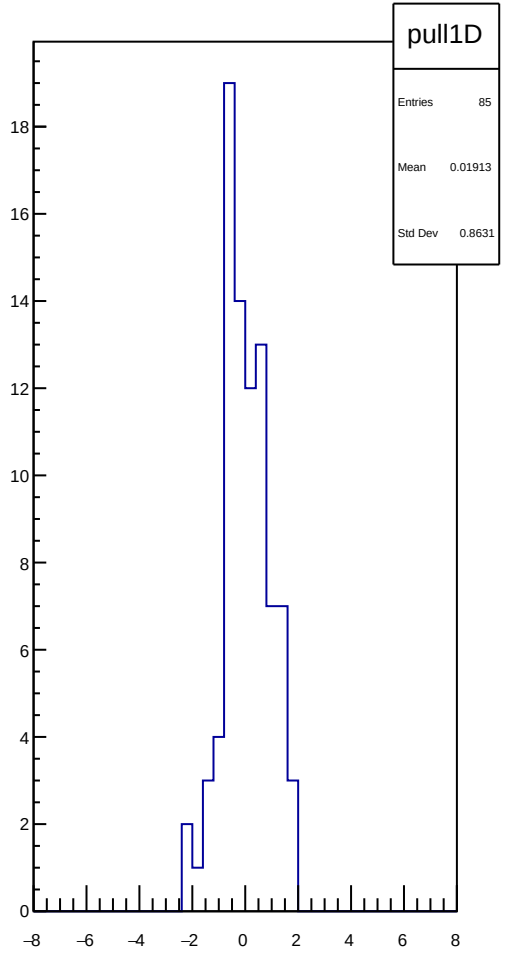

asym_atl2_rms vs run
χ² / ndf 5792 / 84
p0 8885 ± 6.931
10000
9500
9000
8500
8000

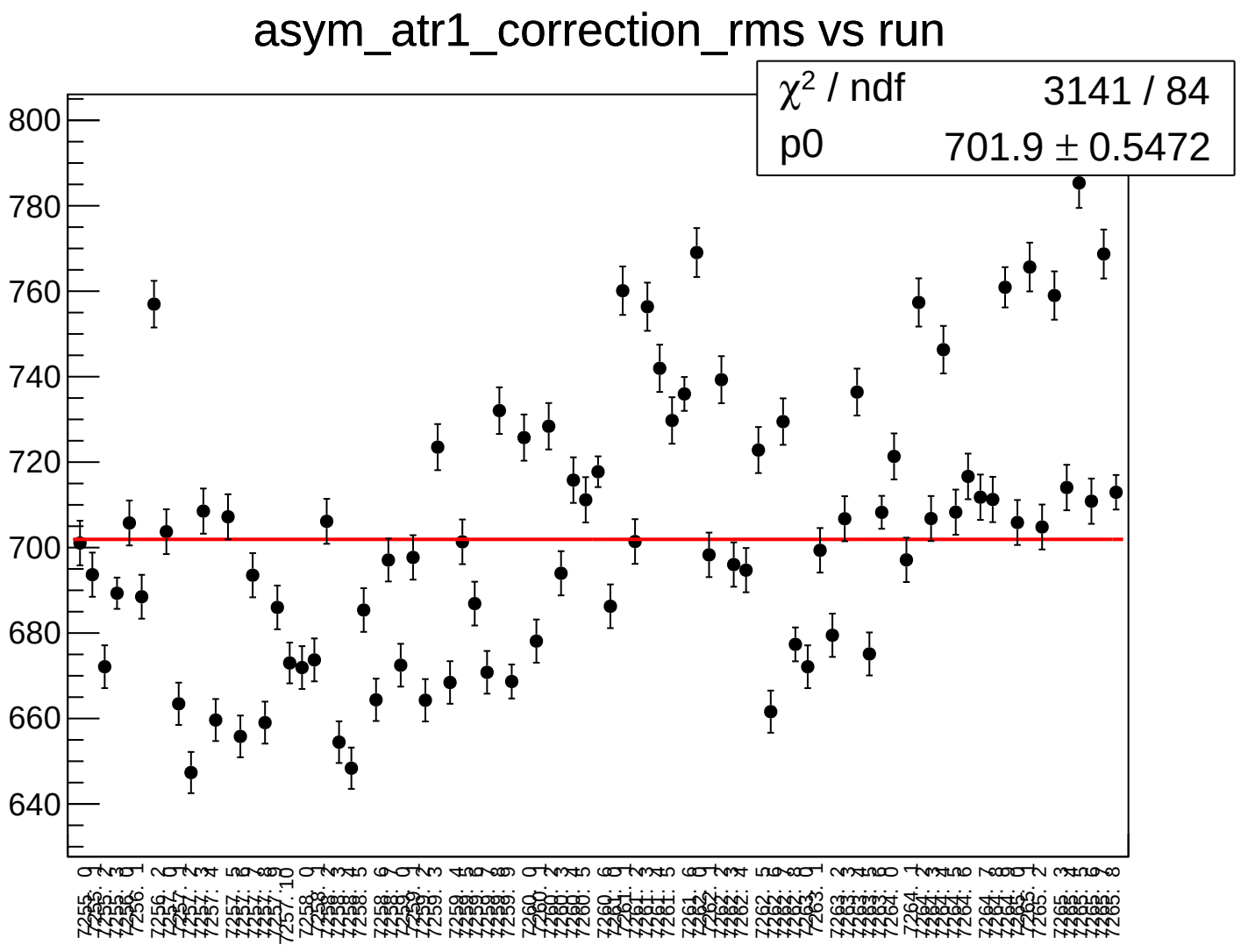

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 82.92 / 84
p0 −1535 ± 3117
pull
Entries 85
Mean 60.44
Std Dev 54.88

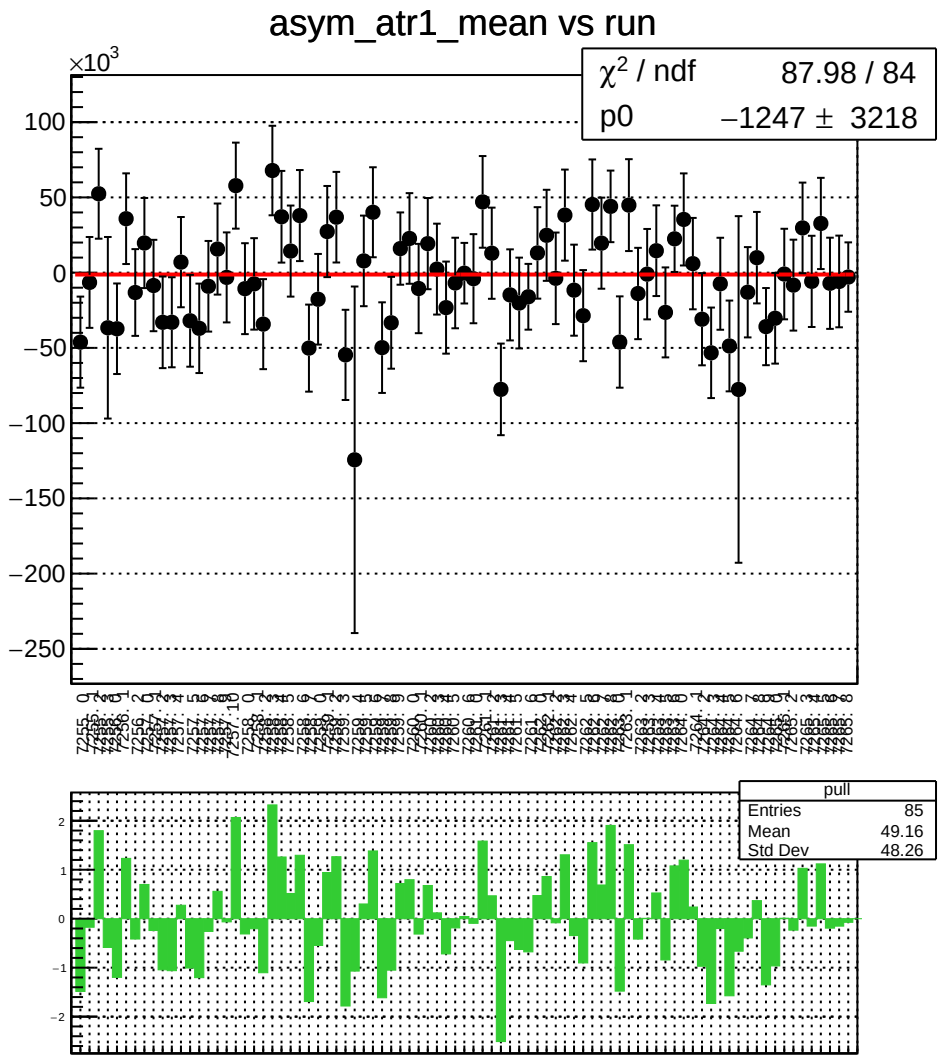

pull1D
Entries 85
Mean −0.02339
Std Dev 0.9874

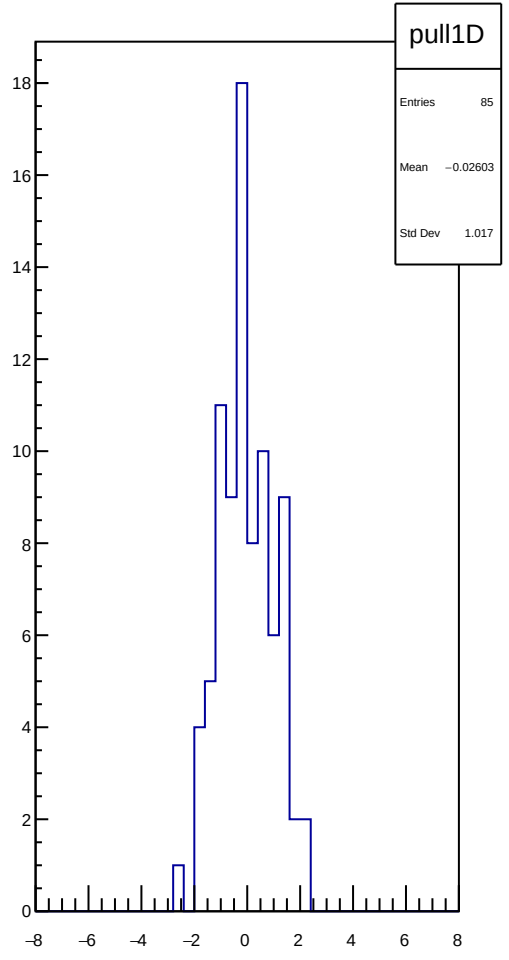

dit_asym_atr1_rms vs run
χ^2 / ndf 3.507e+04 / 84
p0 2800 ± 2.204
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

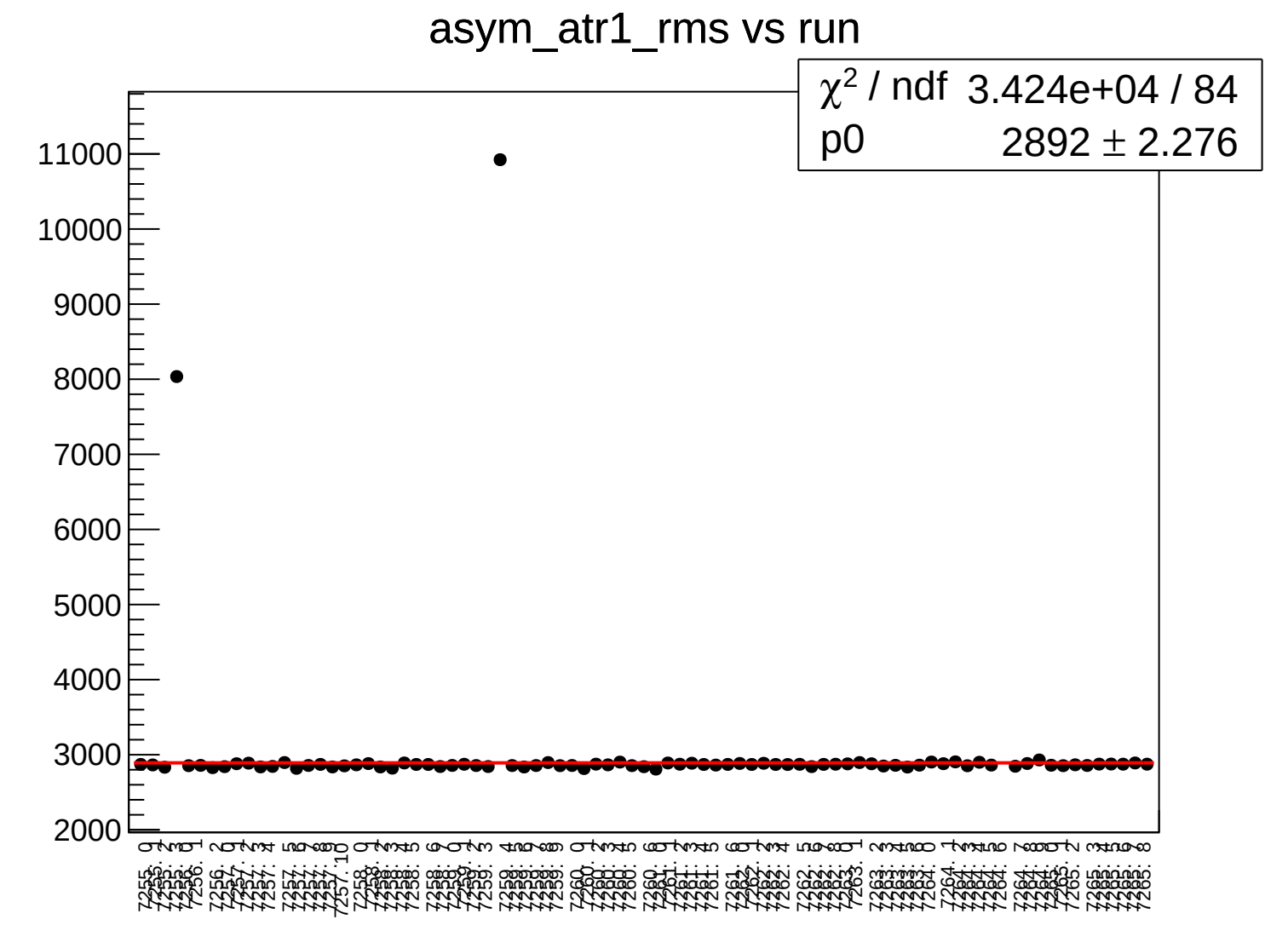

asym_atr1_correction_mean vs run
χ² / ndf 63.36 / 84
p0 −417.8 ± 773.8
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 14.03
Std Dev 62.44
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

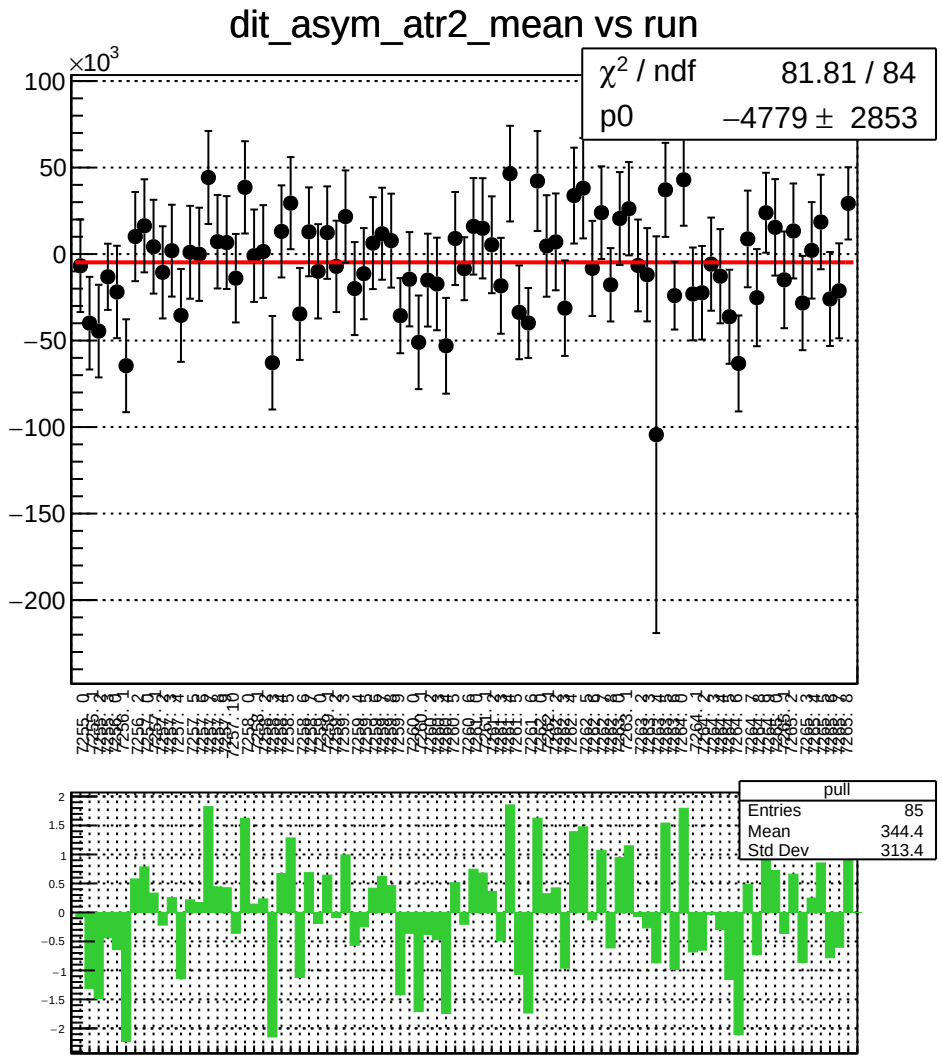

pull1D
Entries 85
Mean 0.01913
Std Dev 0.8631
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

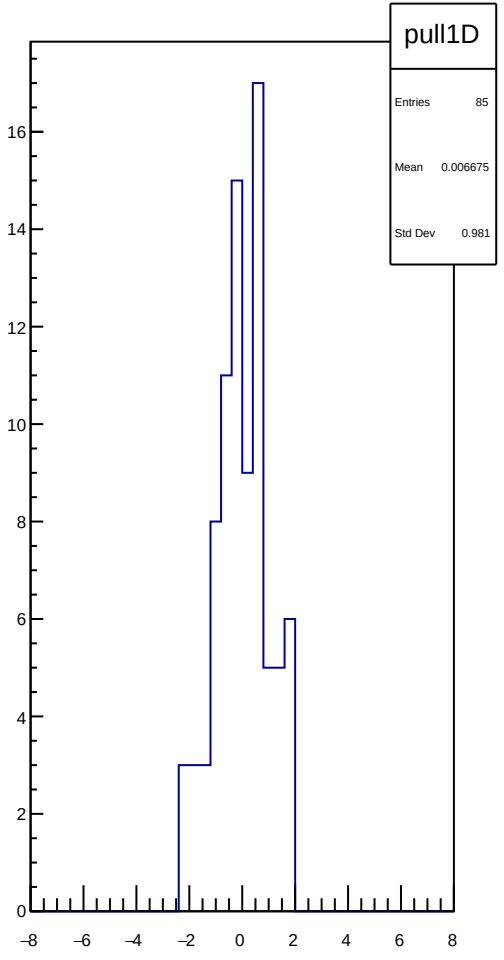

asym_atr1_correction_rms vs run
χ² / ndf 3141 / 84
p0 701.9 ± 0.5472
800
780
760
740
720
700
680
660
640

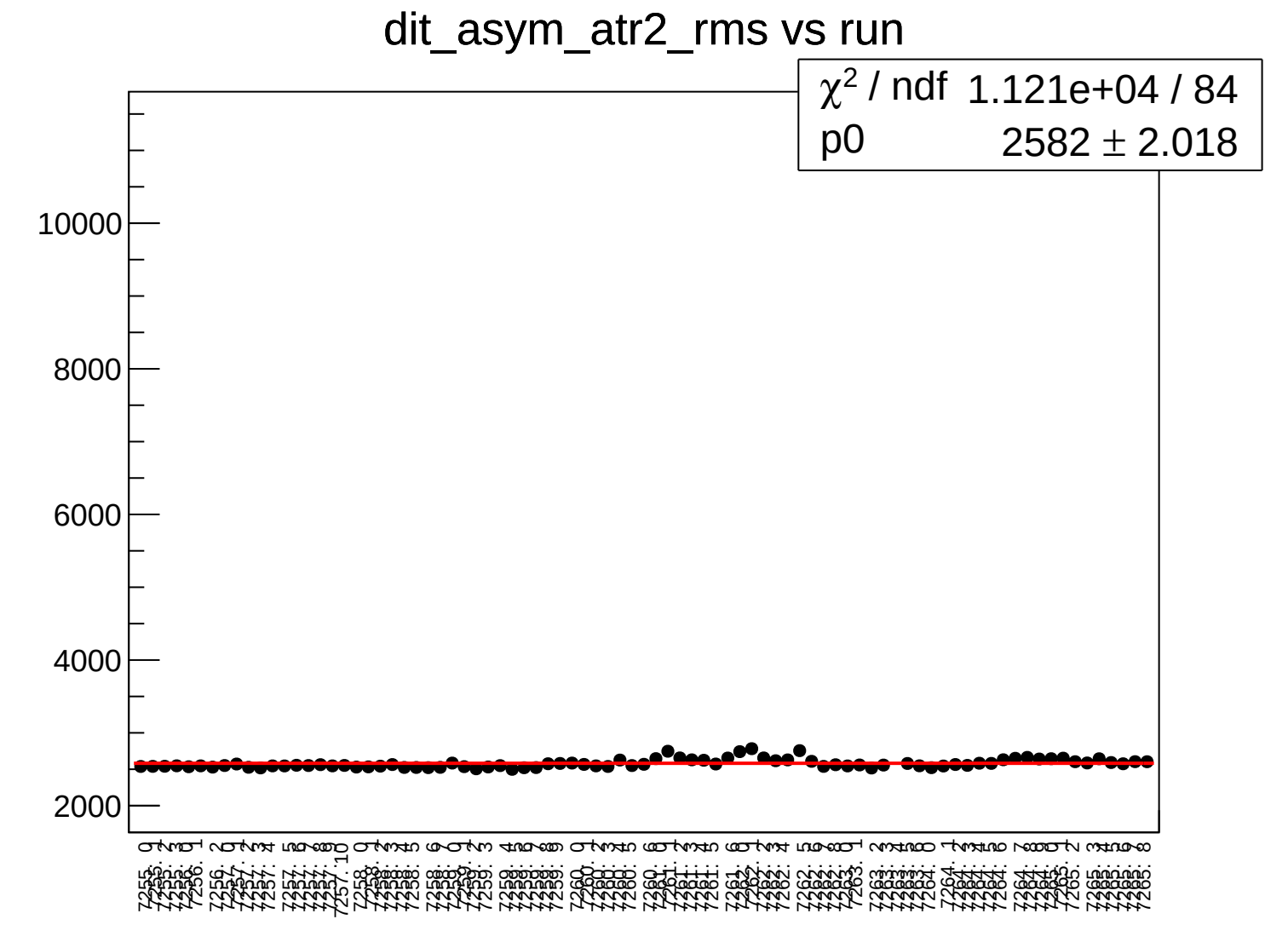

asym_atr1_mean vs run
×10^3
χ² / ndf 87.98 / 84
p0 −1247 ± 3218
100
50
0
−50
−100
−150
−200
−250
pull
Entries 85
Mean 49.16
Std Dev 48.26
2
1
0
−1
−2

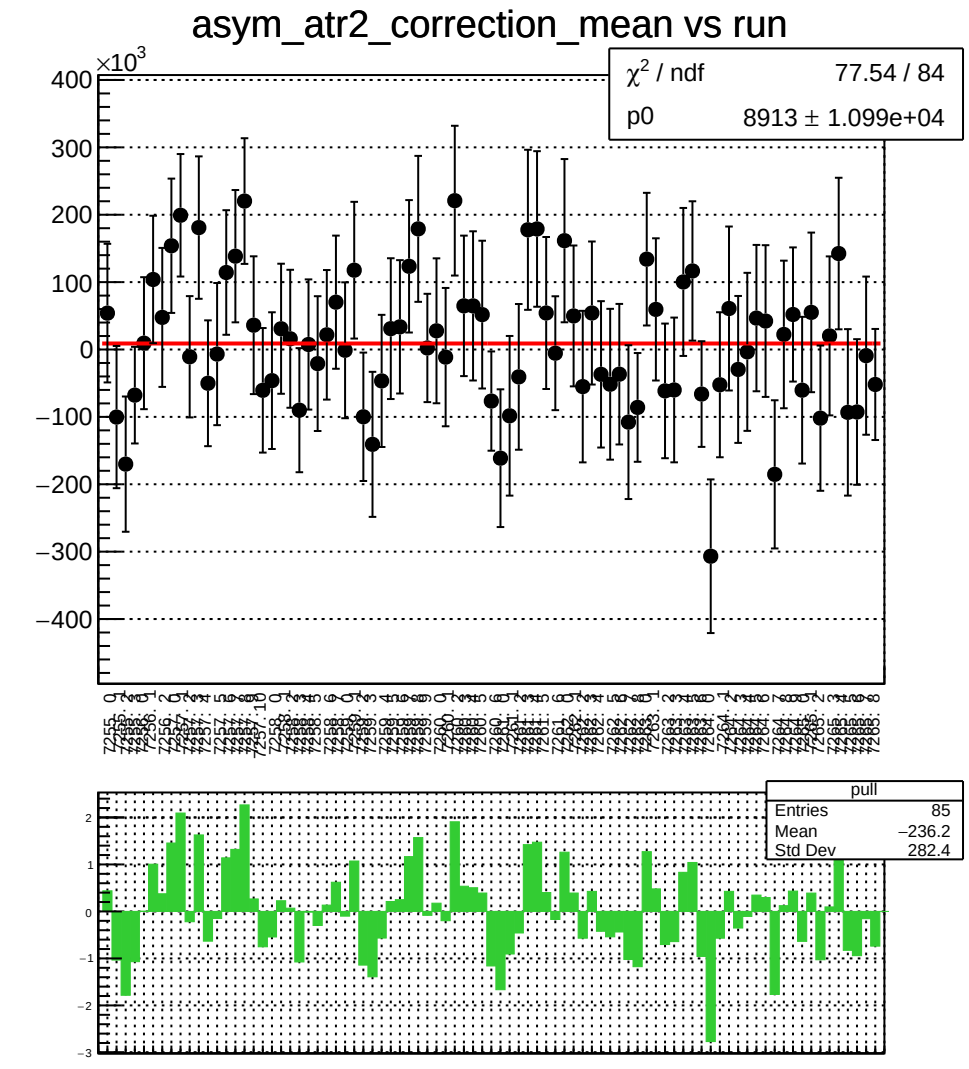

pull1D
Entries 85
Mean −0.02603
Std Dev 1.017
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

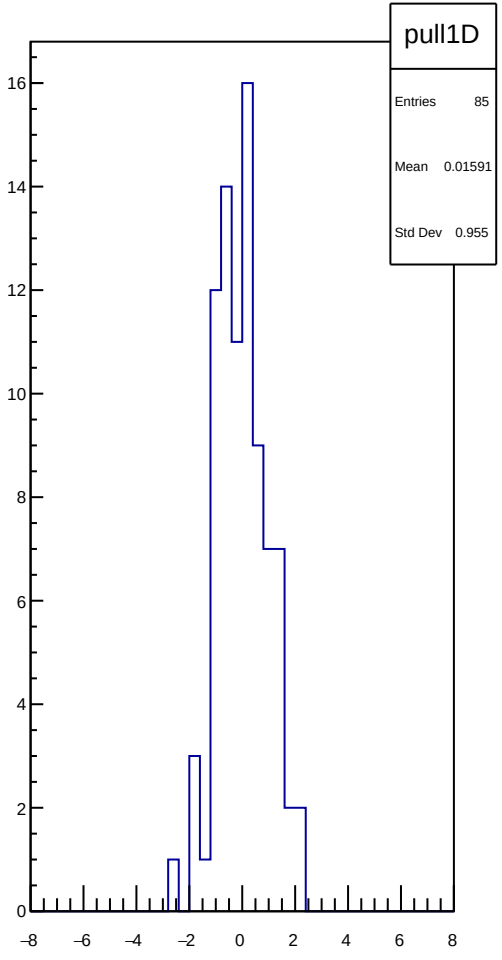

asym_atr1_rms vs run
χ^2 / ndf 3.424e+04 / 84
p0 2892 ± 2.276
11000
10000
9000
8000
7000
6000
5000
4000
3000
2000

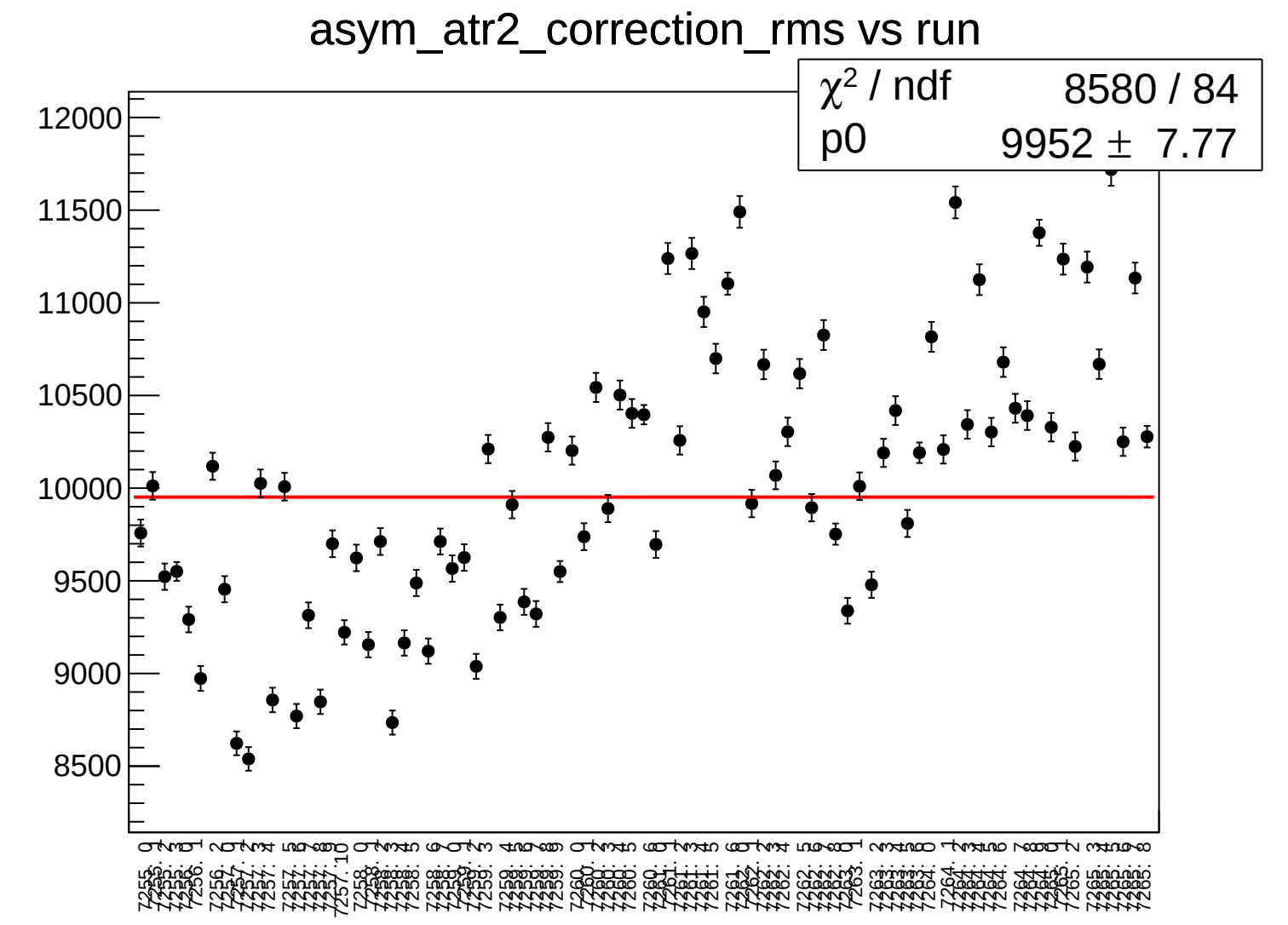

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 81.81 / 84
p0 −4779 ± 2853
pull
Entries 85
Mean 344.4
Std Dev 313.4

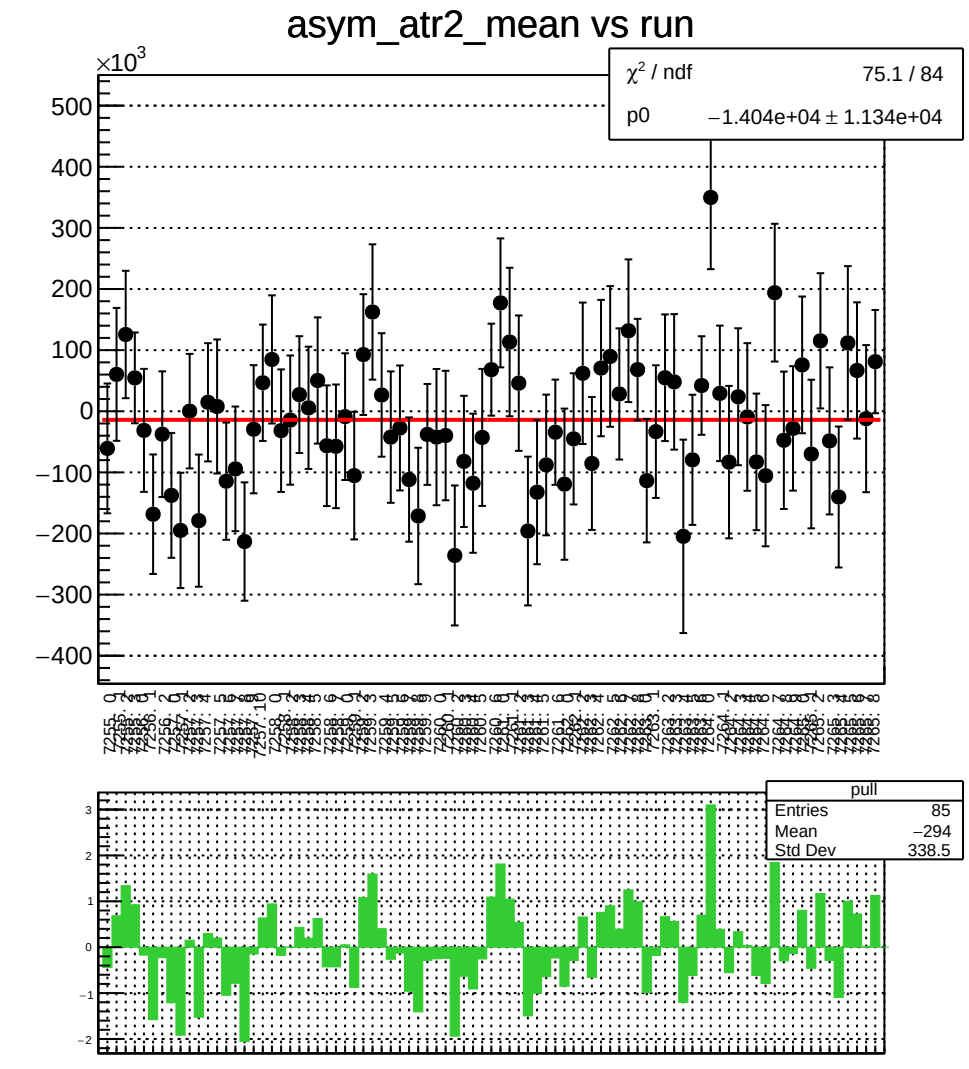

pull1D
Entries 85
Mean 0.006675
Std Dev 0.981

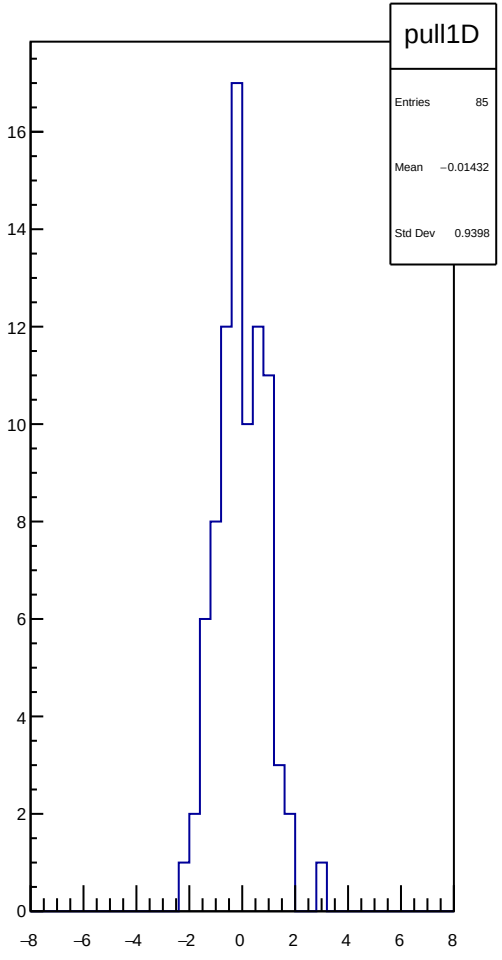

dit_asym_atr2_rms vs run
χ^2 / ndf 1.121e+04 / 84
p0 2582 ± 2.018
10000
8000
6000
4000
2000

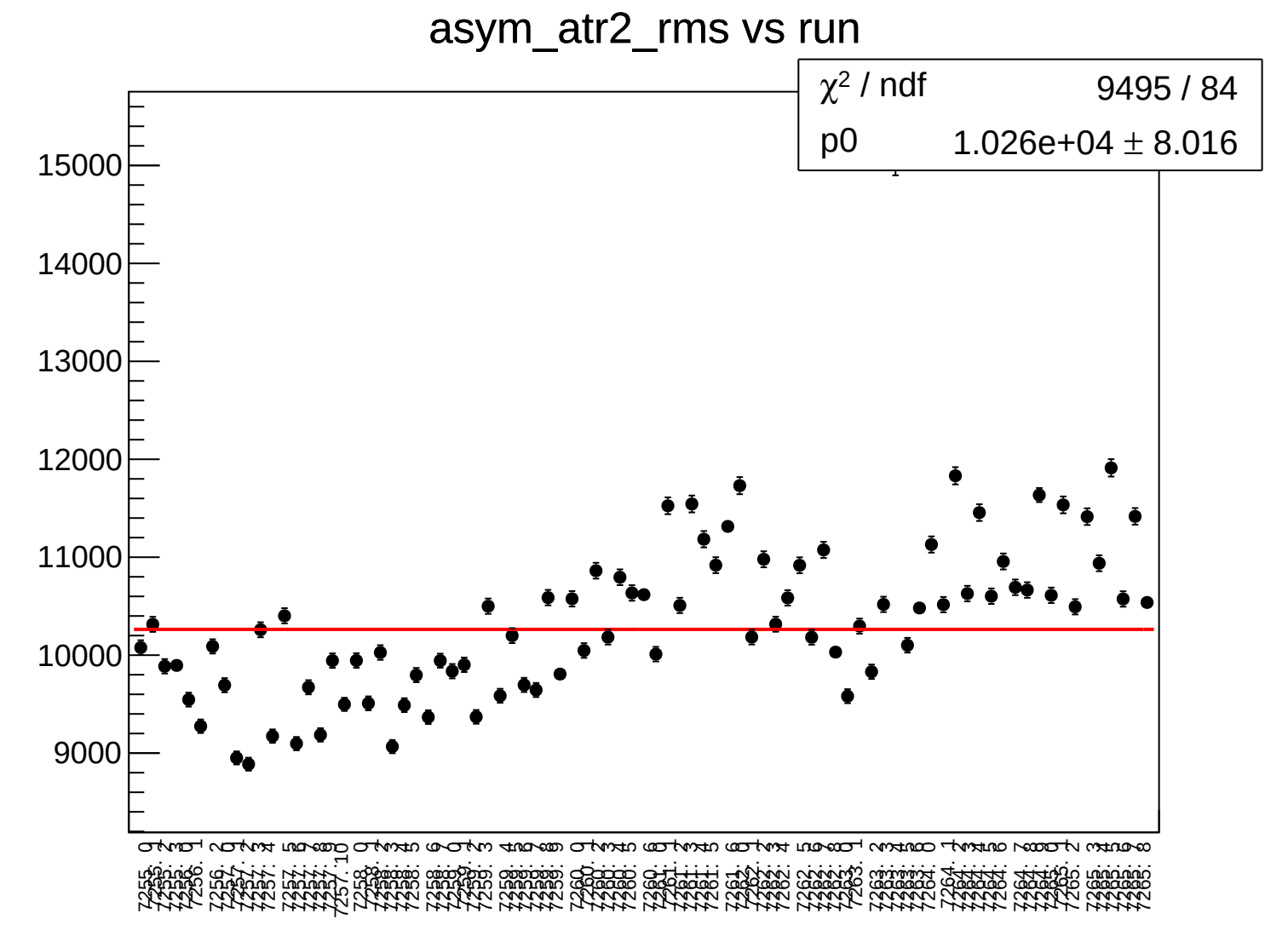

asym_atr2_correction_mean vs run
χ² / ndf 77.54 / 84
p0 8913 ± 1.099e+04
×10³
pull
Entries 85
Mean −236.2
Std Dev 282.4

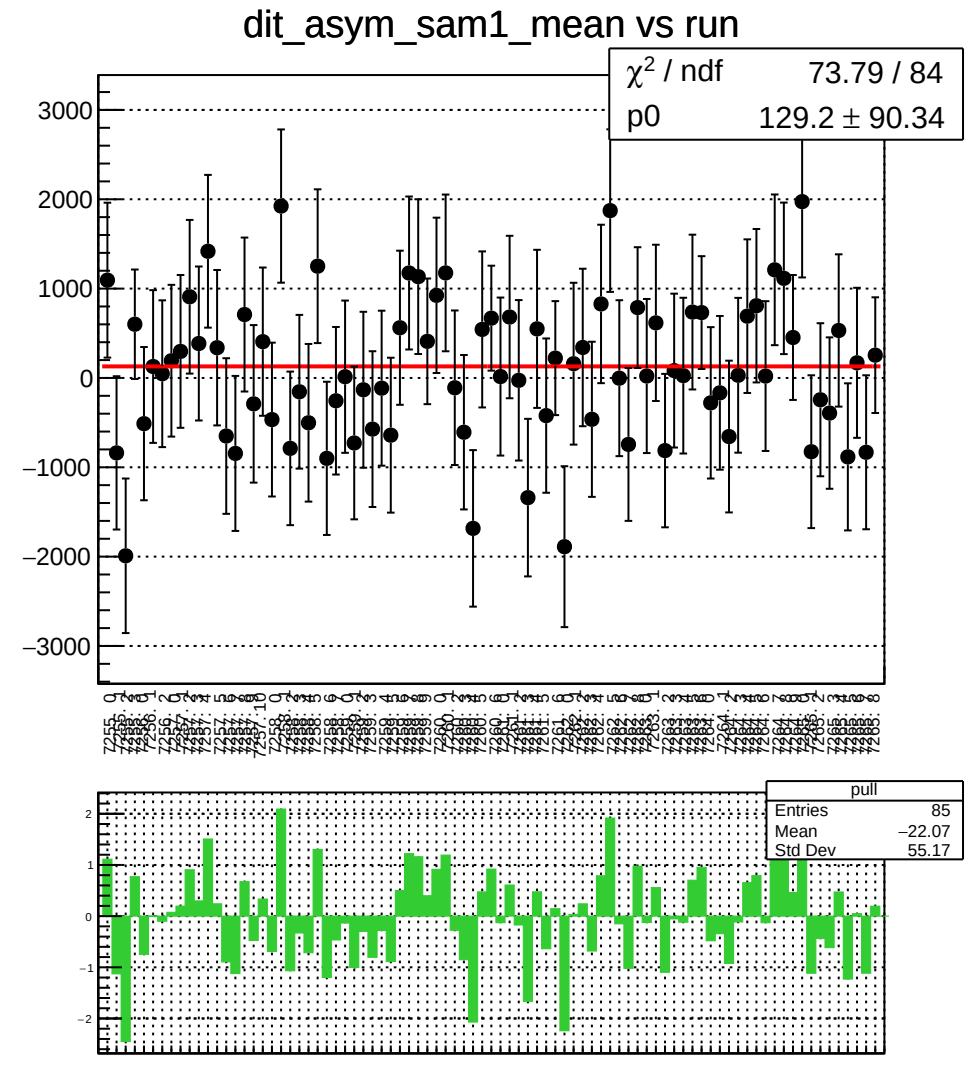

pull1D
Entries 85
Mean 0.01591
Std Dev 0.955

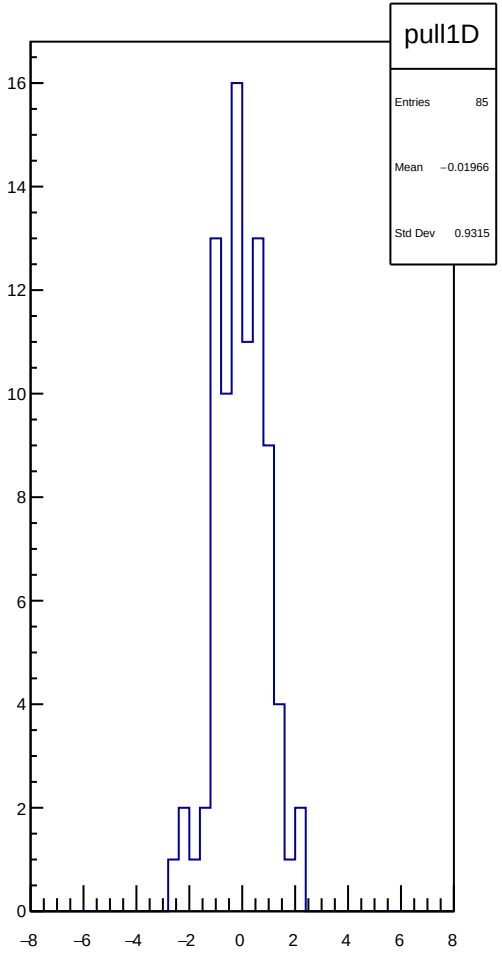

asym_atr2_correction_rms vs run
χ² / ndf 8580 / 84
p0 9952 ± 7.77
12000
11500
11000
10500
10000
9500
9000
8500

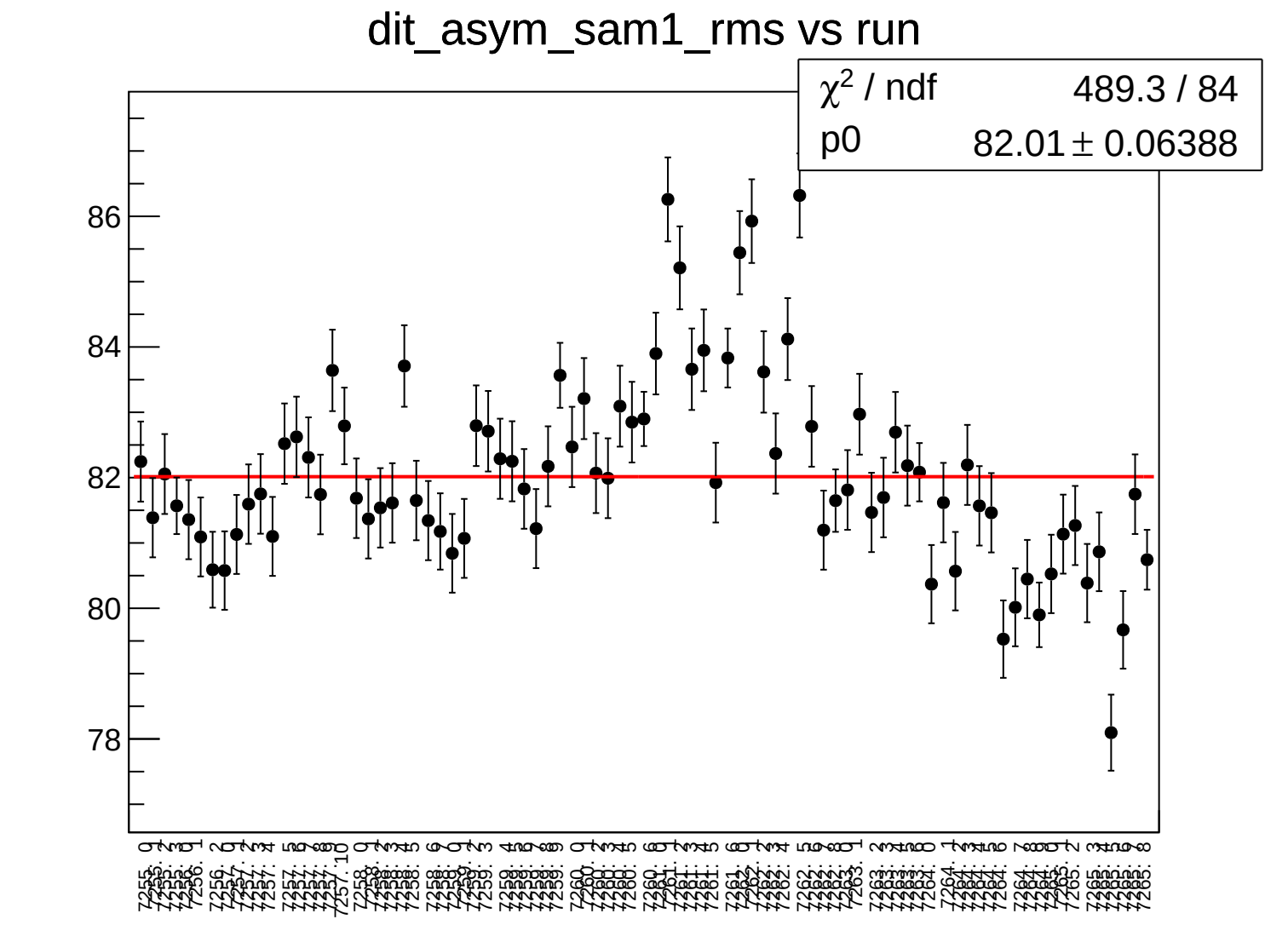

asym_atr2_mean vs run
×10^3
χ² / ndf 75.1 / 84
p0 −1.404e+04 ± 1.134e+04
pull
Entries 85
Mean −294
Std Dev 338.5

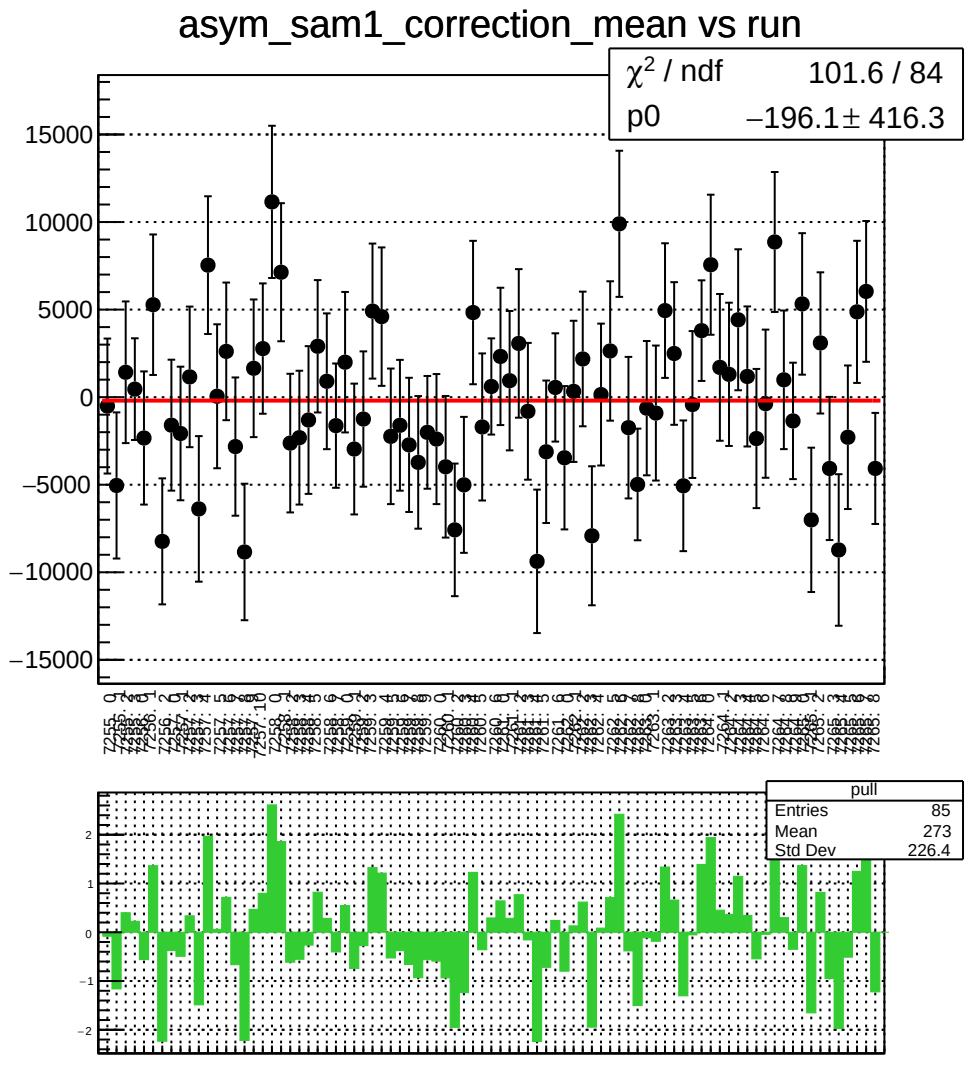

pull1D
Entries 85
Mean −0.01432
Std Dev 0.9398

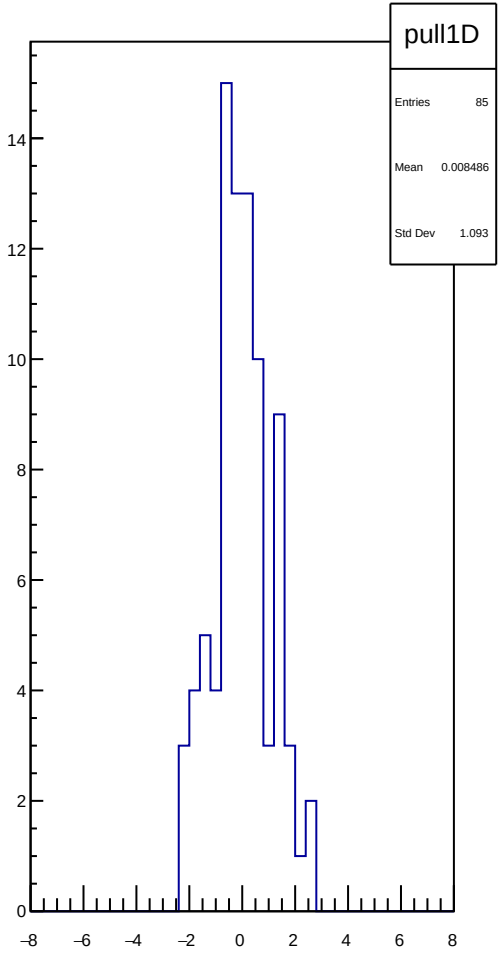

asym_atr2_rms vs run
χ² / ndf 9495 / 84
p0 1.026e+04 ± 8.016
15000
14000
13000
12000
11000
10000
9000

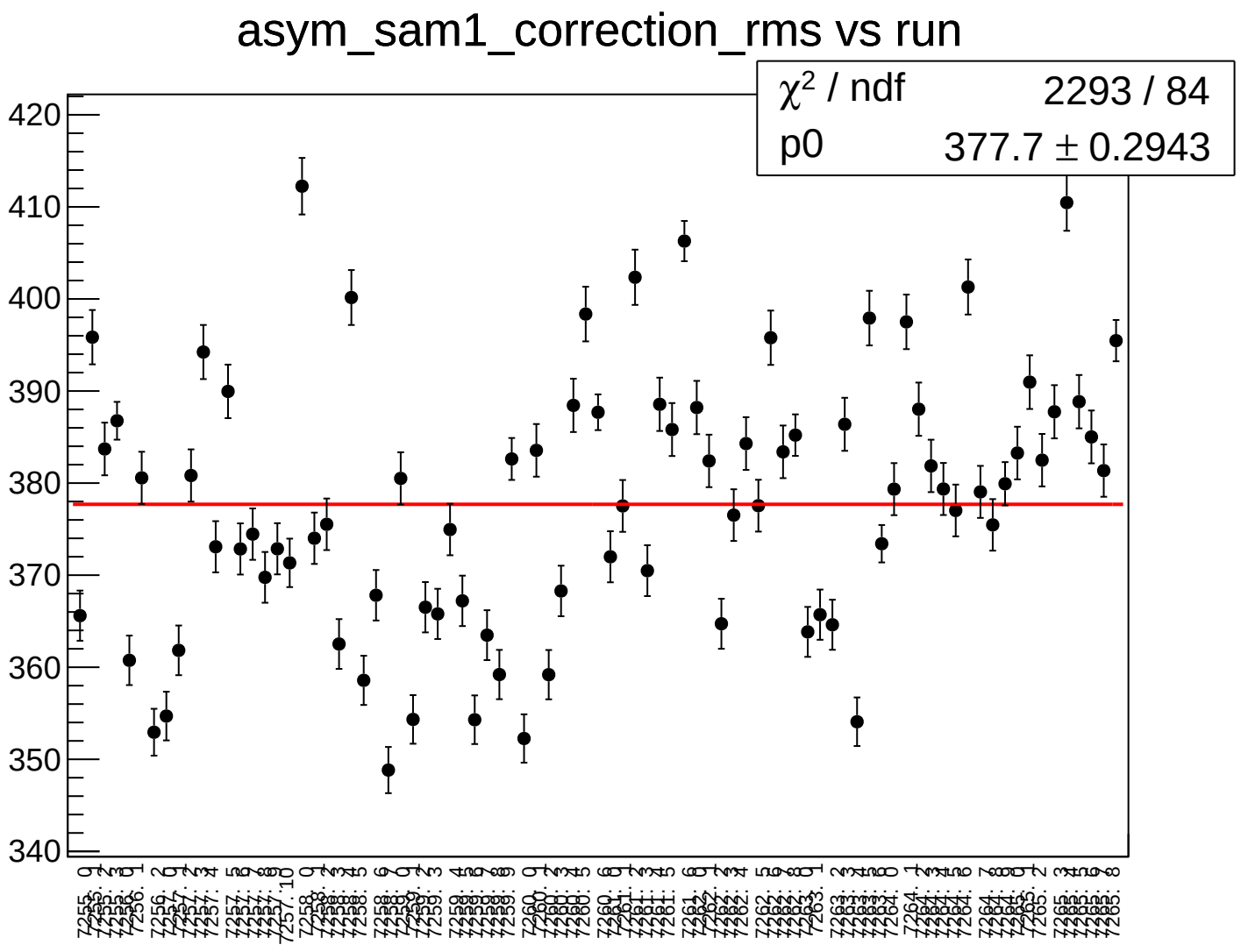

dit_asym_sam1_mean vs run
χ^2 / ndf 73.79 / 84
p0 129.2 ± 90.34
pull
Entries 85
Mean −22.07
Std Dev 55.17

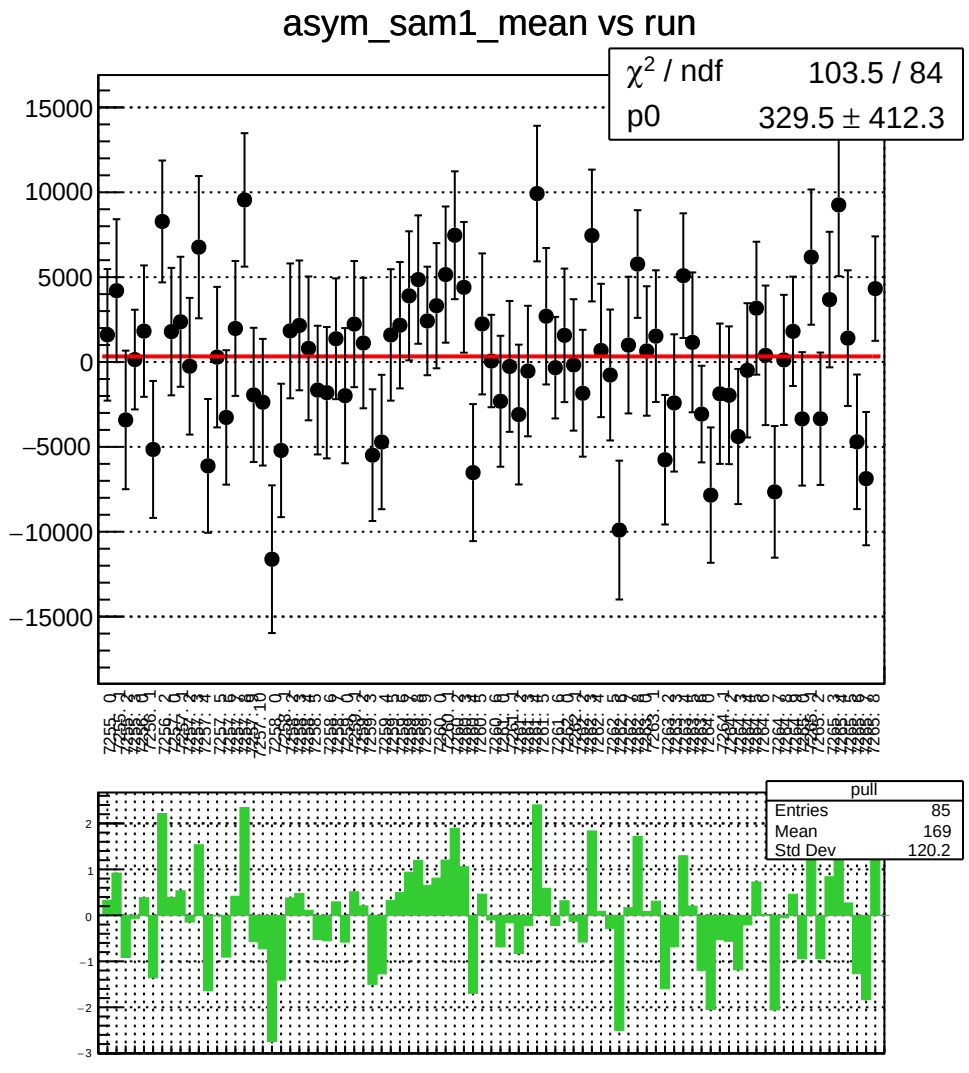

pull1D
Entries 85
Mean −0.01966
Std Dev 0.9315

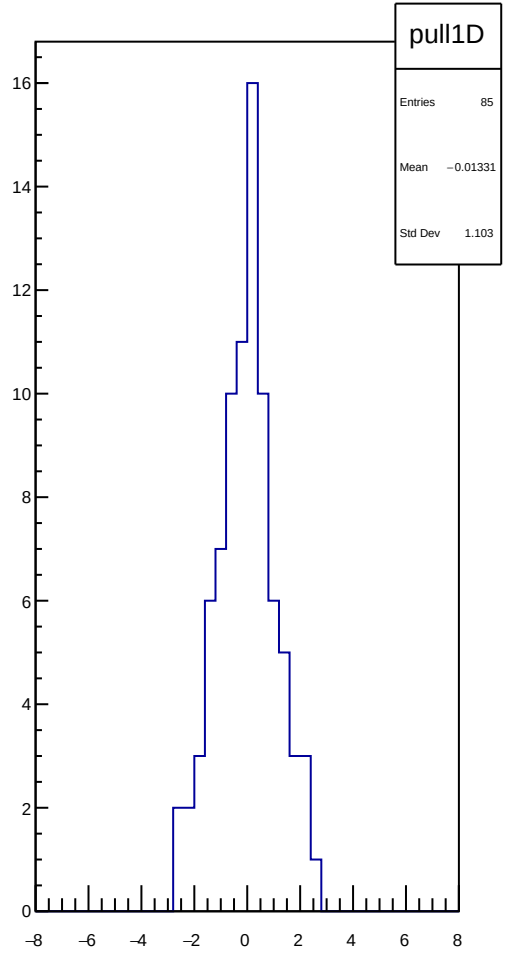

dit_asym_sam1_rms vs run
χ^2 / ndf 489.3 / 84
p0 82.01 ± 0.06388
86
84
82
80
78

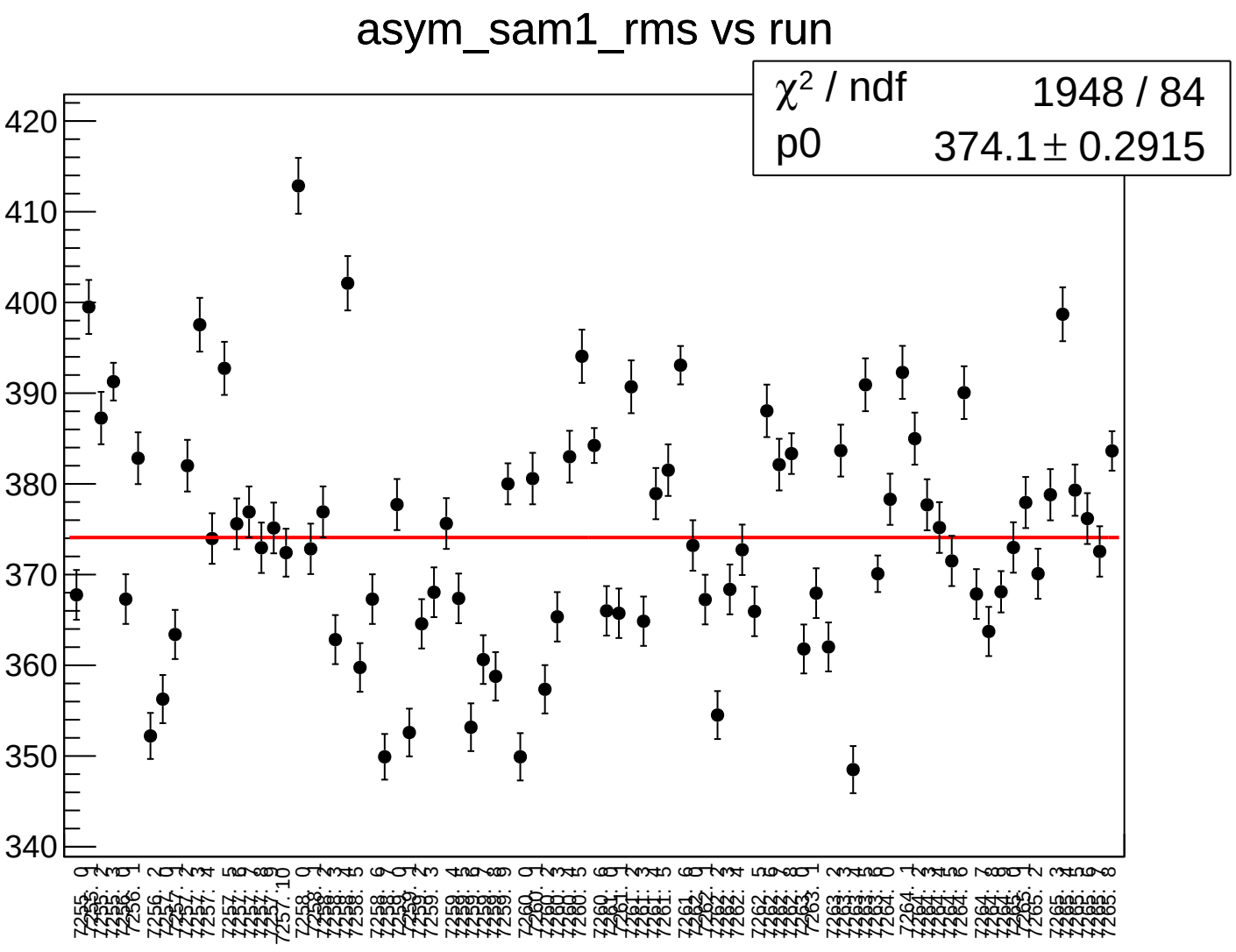

asym_sam1_correction_mean vs run
χ² / ndf 101.6 / 84
p0 −196.1± 416.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 273
Std Dev 226.4
2
1
0
−1
−2

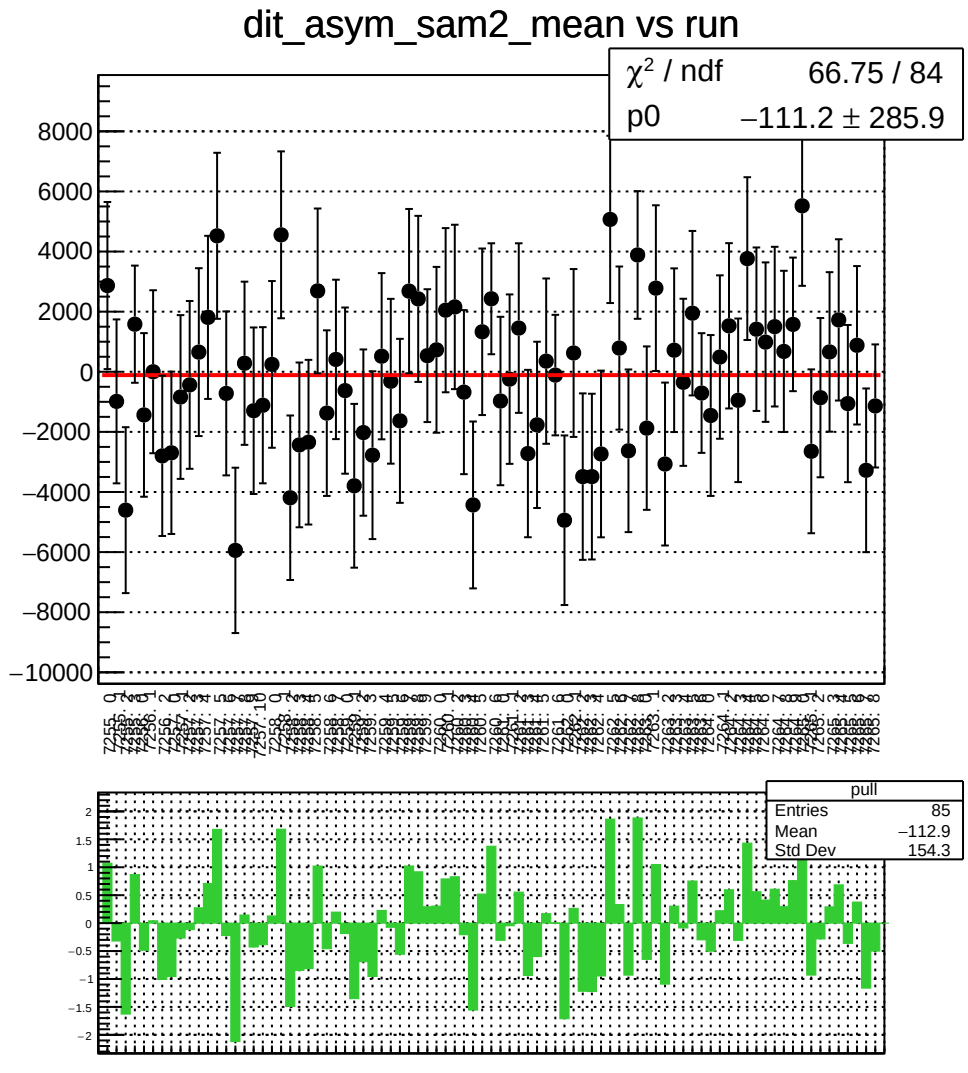

pull1D
Entries 85
Mean 0.008486
Std Dev 1.093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

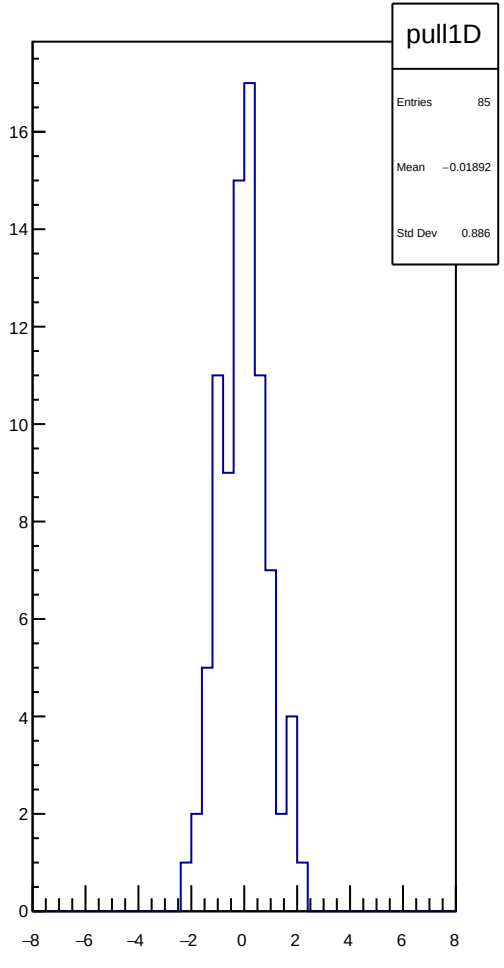

asym_sam1_correction_rms vs run
χ² / ndf 2293 / 84
p0 377.7 ± 0.2943
420
410
400
390
380
370
360
350
340

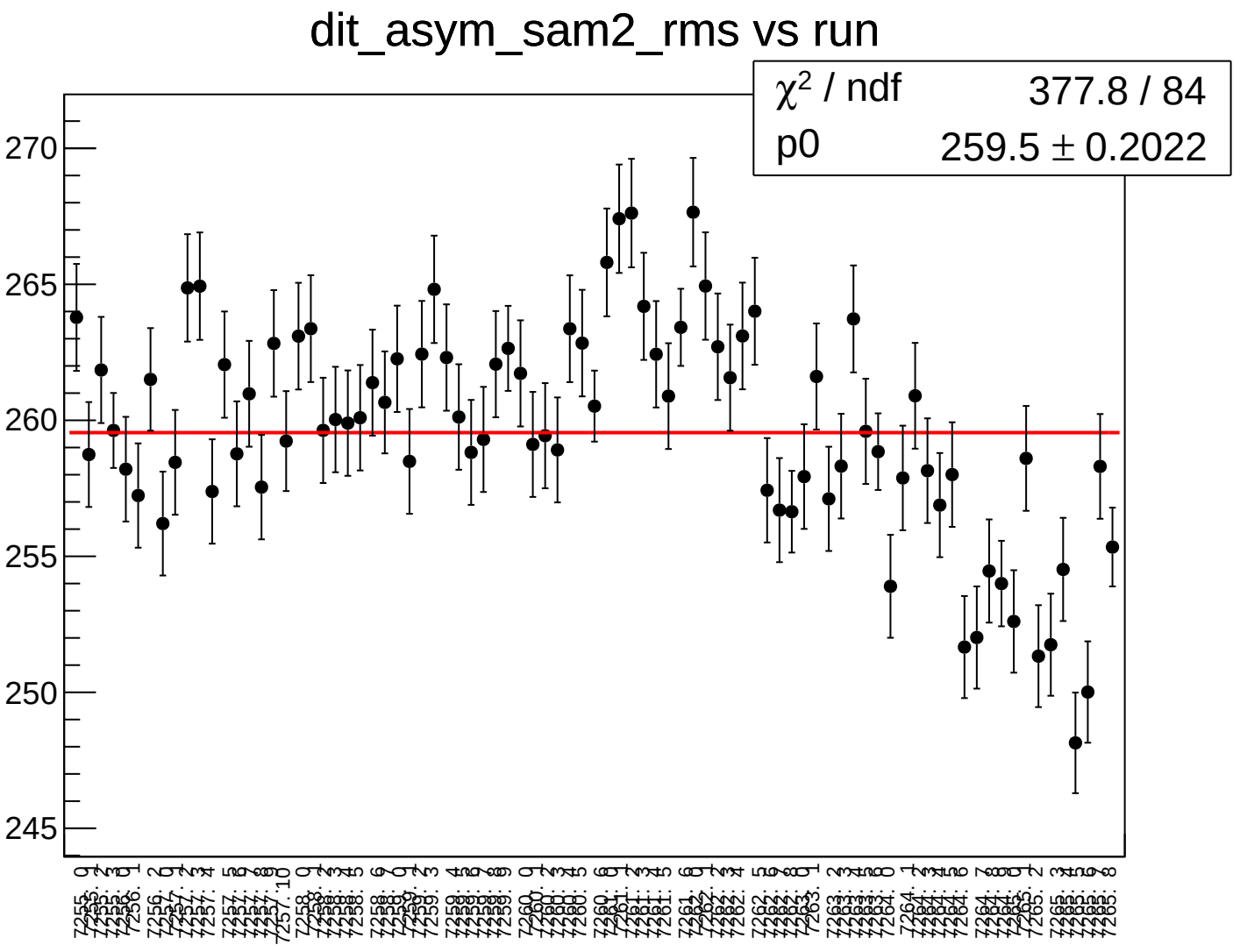

asym_sam1_mean vs run
χ² / ndf 103.5 / 84
p0 329.5 ± 412.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 169
Std Dev 120.2
2
1
0
−1
−2
−3

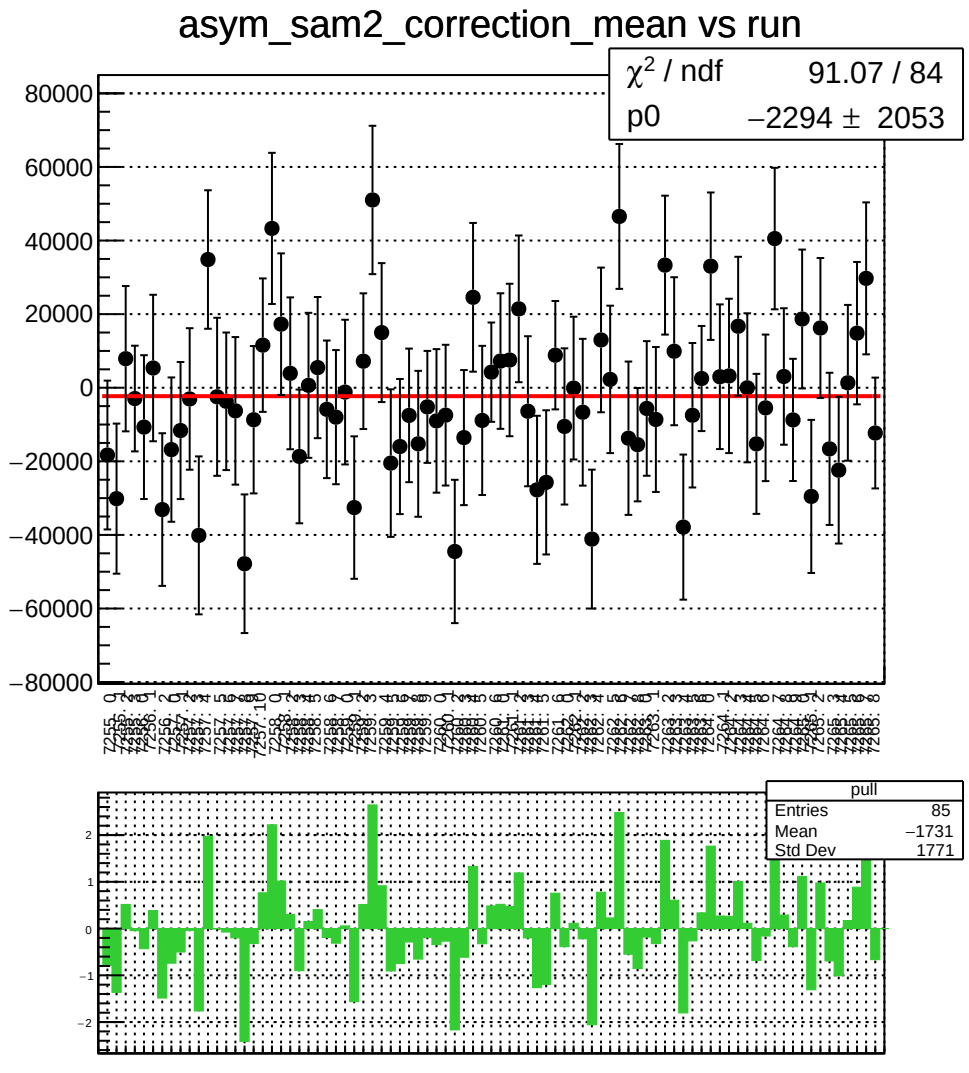

pull1D
Entries 85
Mean −0.01331
Std Dev 1.103
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

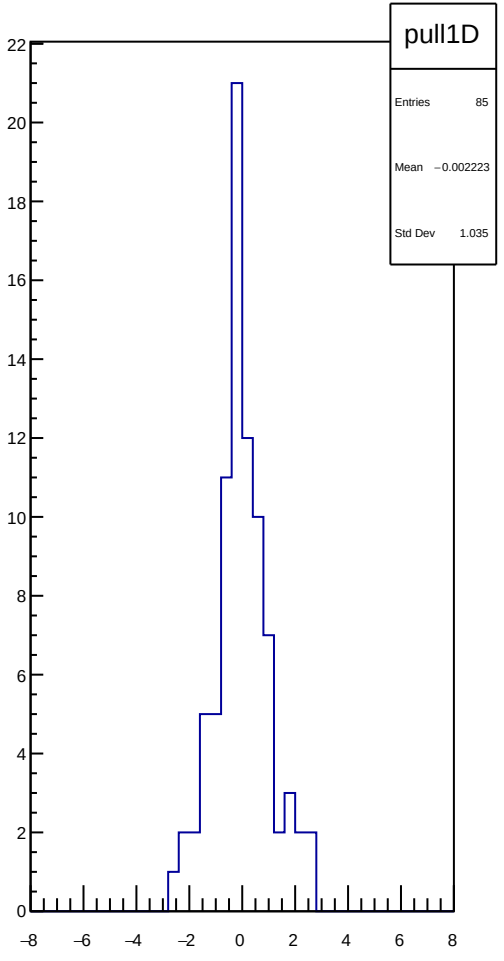

asym_sam1_rms vs run
χ² / ndf 1948 / 84
p0 374.1 ± 0.2915
420
410
400
390
380
370
360
350
340

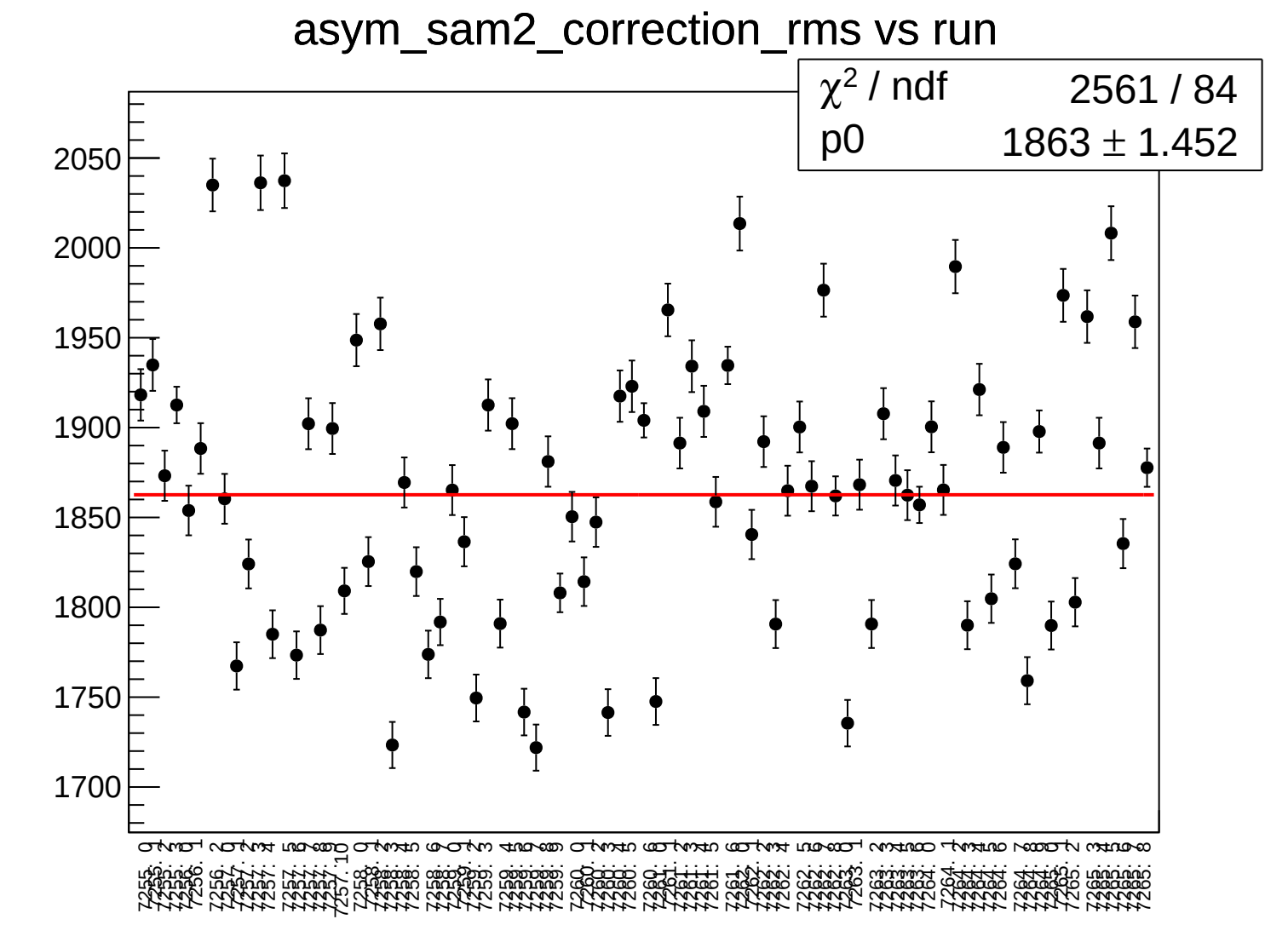

dit_asym_sam2_mean vs run
χ² / ndf 66.75 / 84
p0 −111.2 ± 285.9
pull
Entries 85
Mean −112.9
Std Dev 154.3

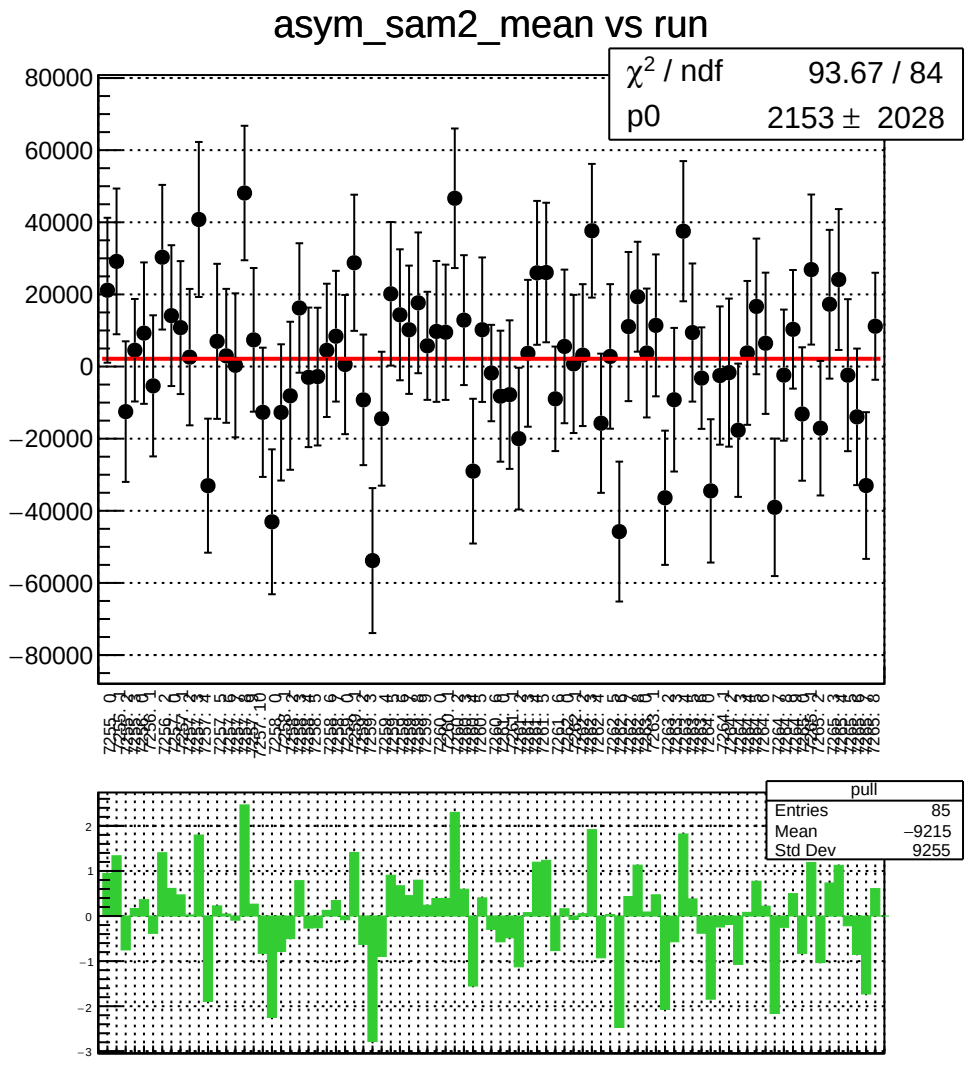

pull1D
Entries 85
Mean −0.01892
Std Dev 0.886

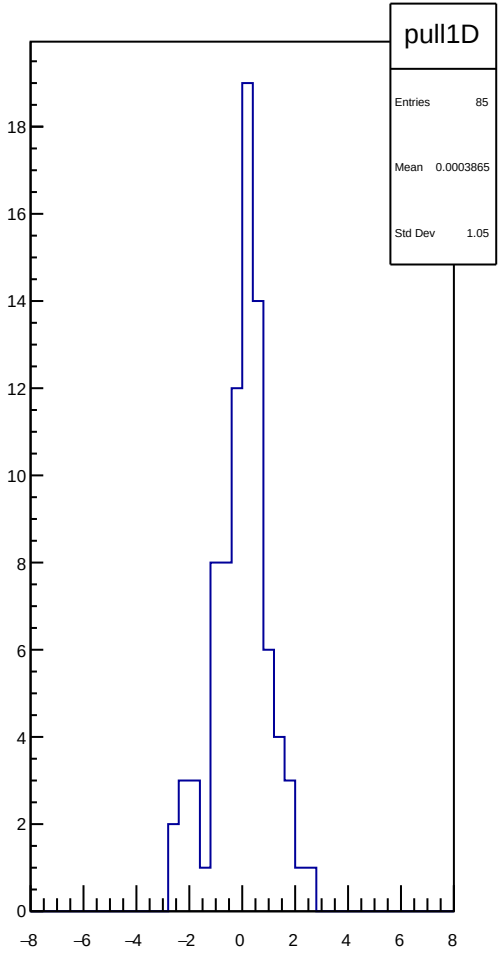

dit_asym_sam2_rms vs run
χ² / ndf 377.8 / 84
p0 259.5 ± 0.2022
270
265
260
255
250
245

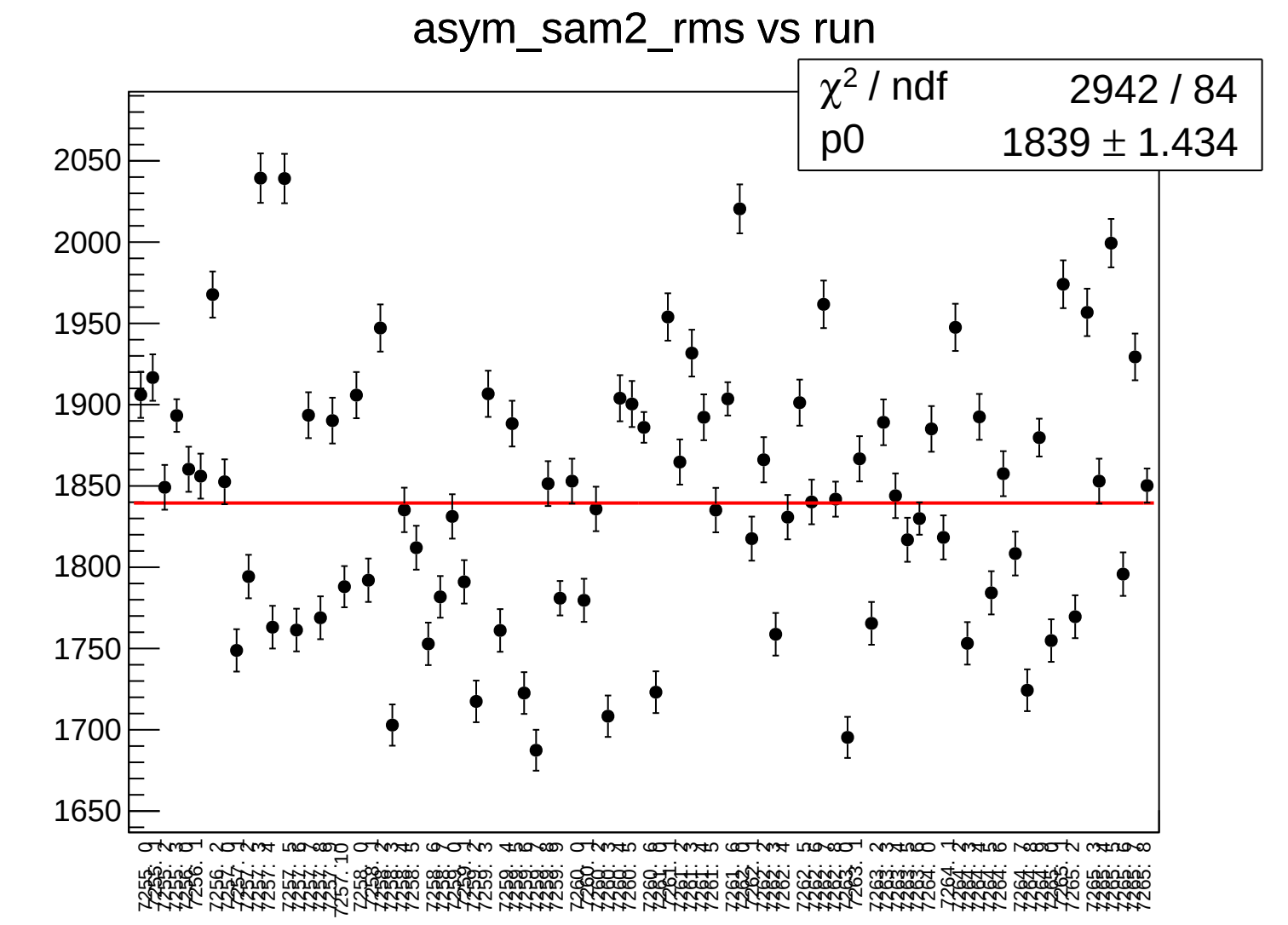

asym_sam2_correction_mean vs run
χ² / ndf 91.07 / 84
p0 −2294 ± 2053
pull
Entries 85
Mean −1731
Std Dev 1771

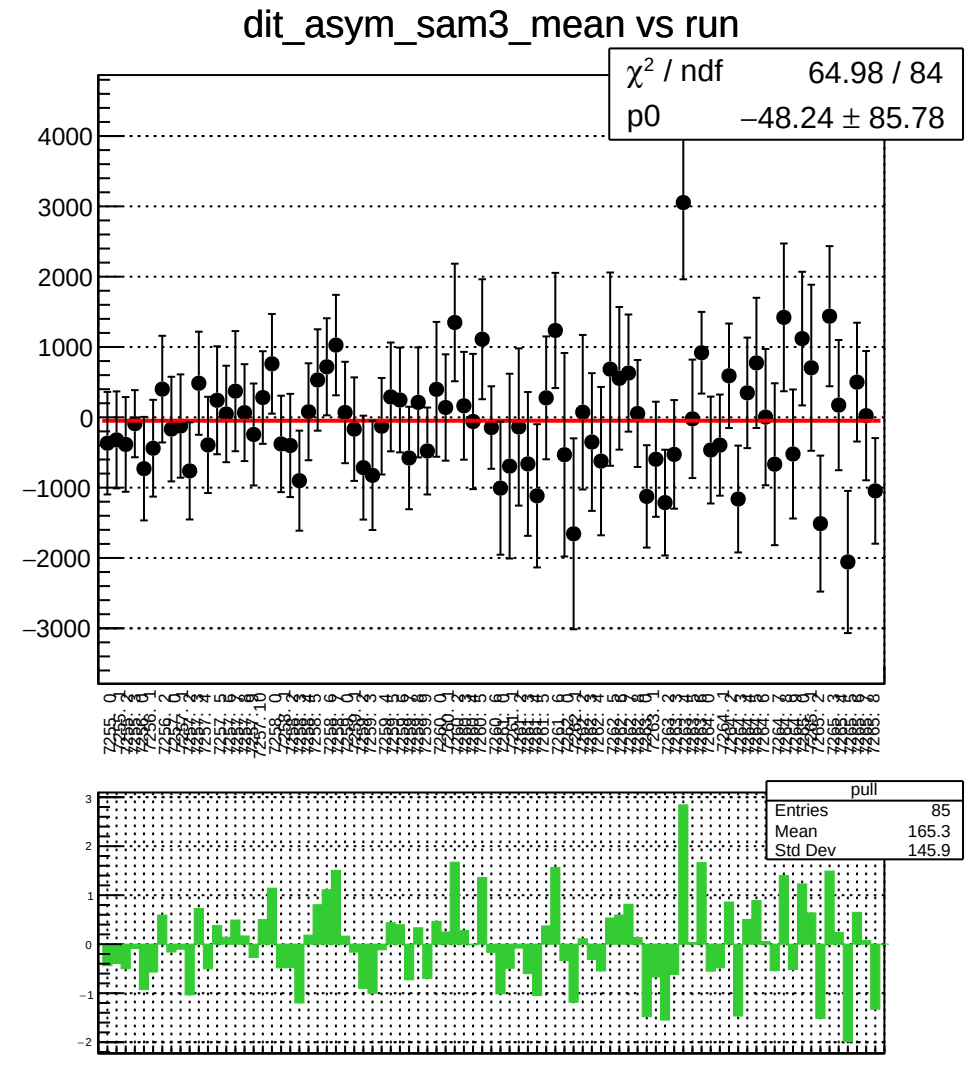

pull1D
Entries 85
Mean −0.002223
Std Dev 1.035

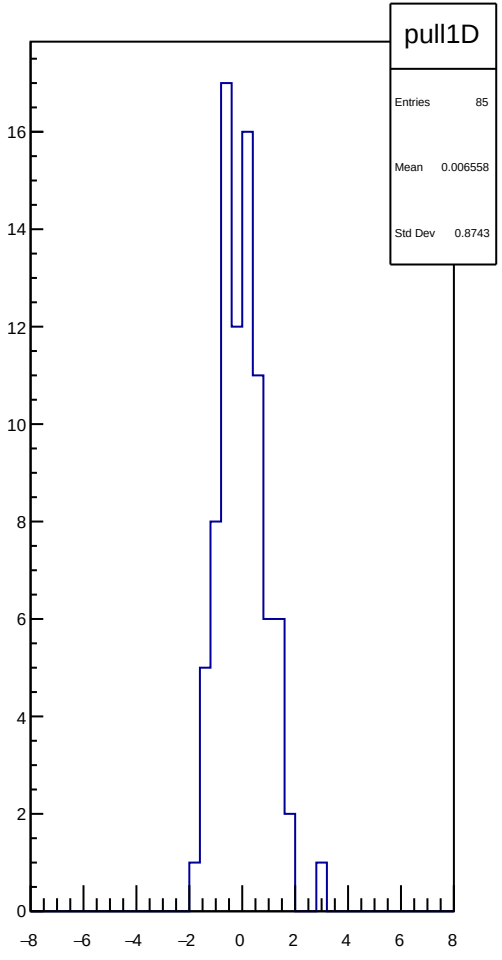

asym_sam2_correction_rms vs run
χ² / ndf 2561 / 84
p0 1863 ± 1.452
2050
2000
1950
1900
1850
1800
1750
1700

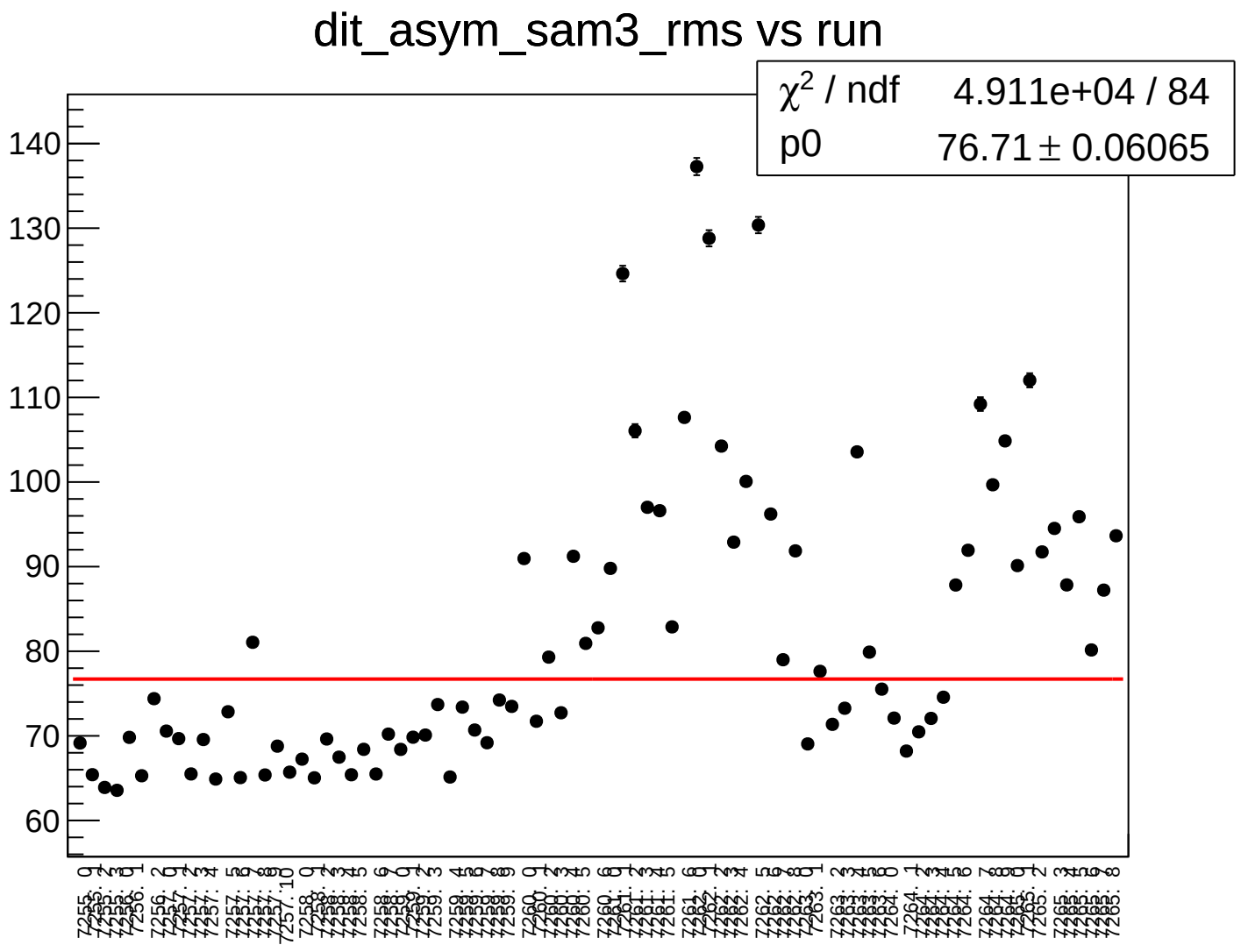

asym_sam2_mean vs run
χ^2 / ndf 93.67 / 84
p0 2153 ± 2028
pull
Entries 85
Mean −9215
Std Dev 9255

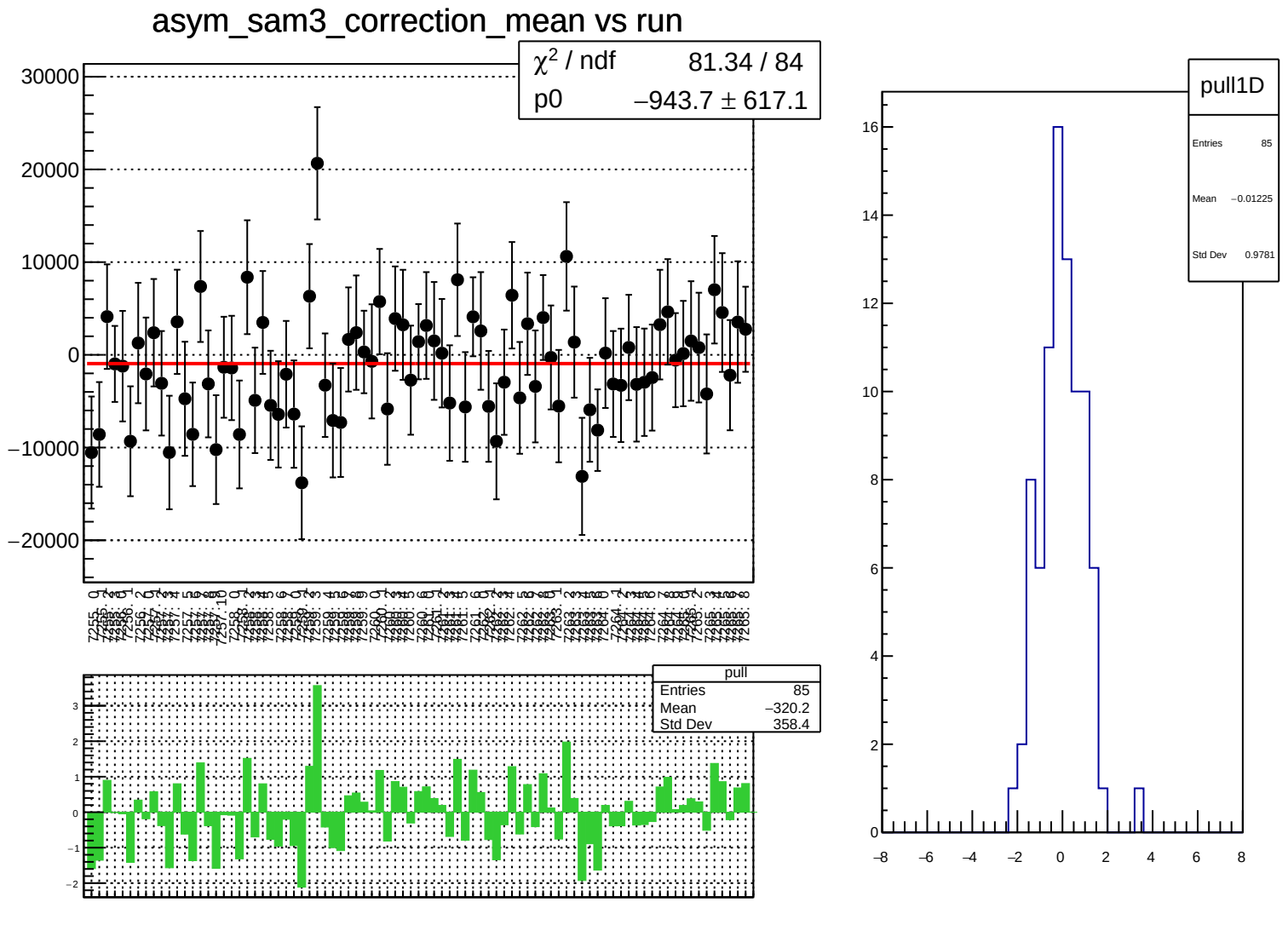

pull1D
Entries 85
Mean 0.0003865
Std Dev 1.05

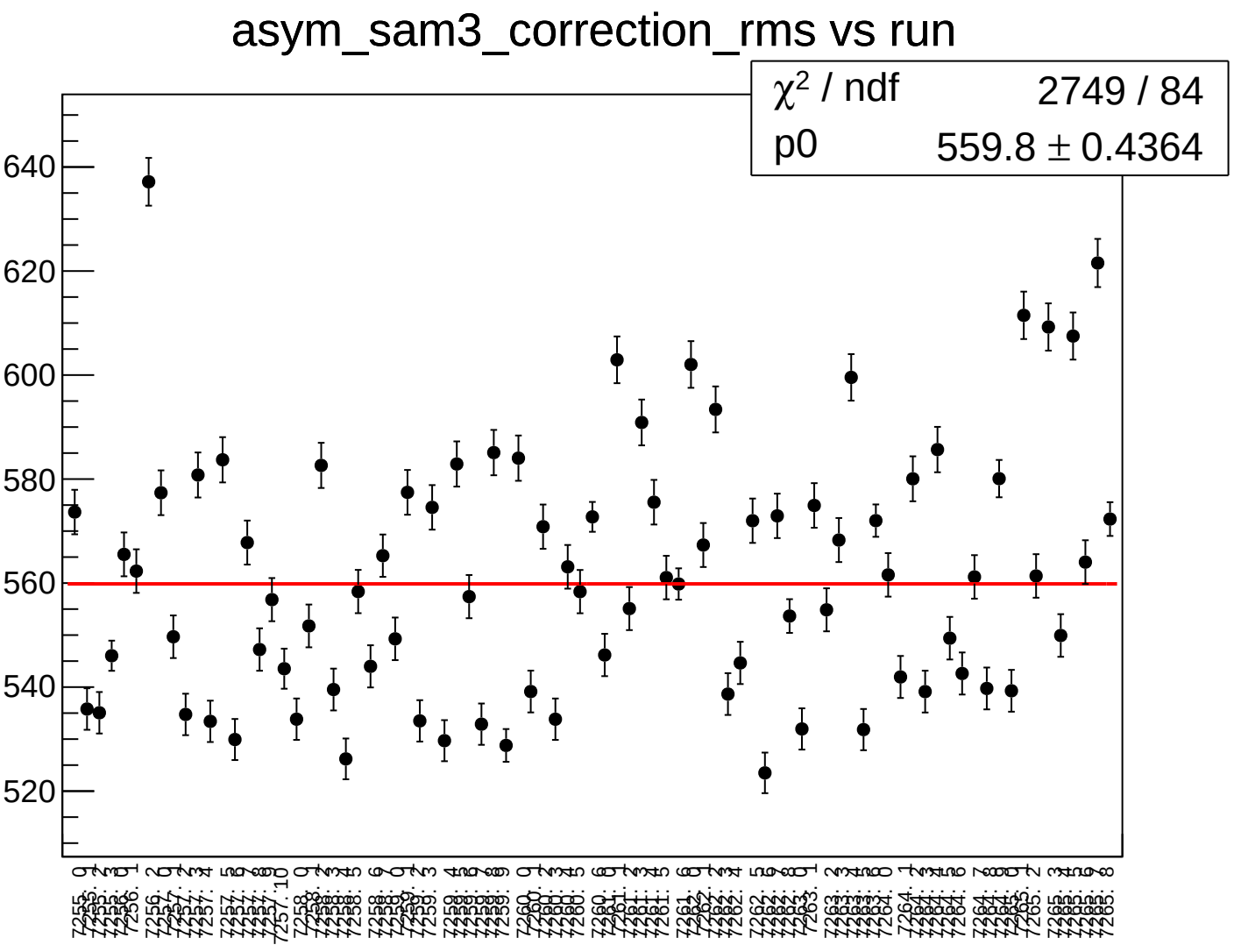

asym_sam2_rms vs run
χ² / ndf 2942 / 84
p0 1839 ± 1.434
2050
2000
1950
1900
1850
1800
1750
1700
1650

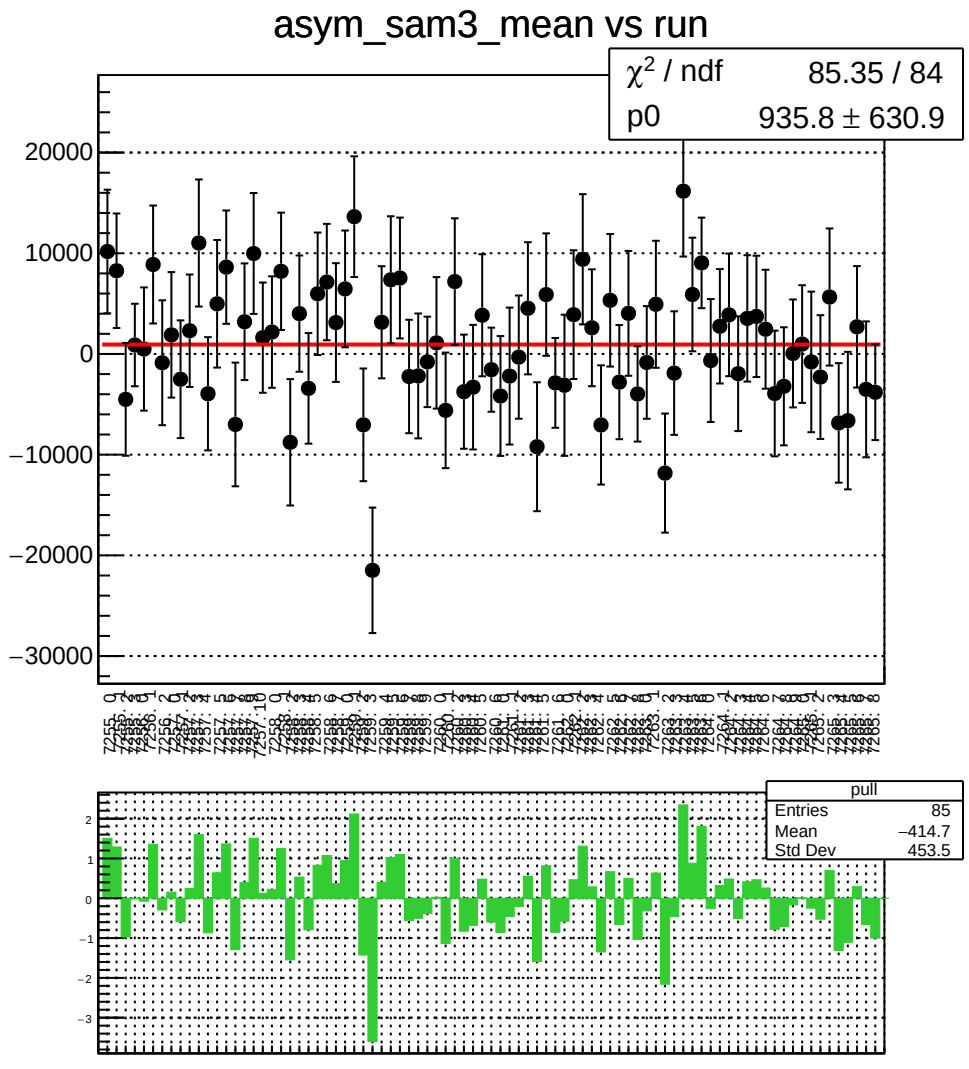

dit_asym_sam3_mean vs run
χ² / ndf 64.98 / 84
p0 −48.24 ± 85.78
pull
Entries 85
Mean 165.3
Std Dev 145.9

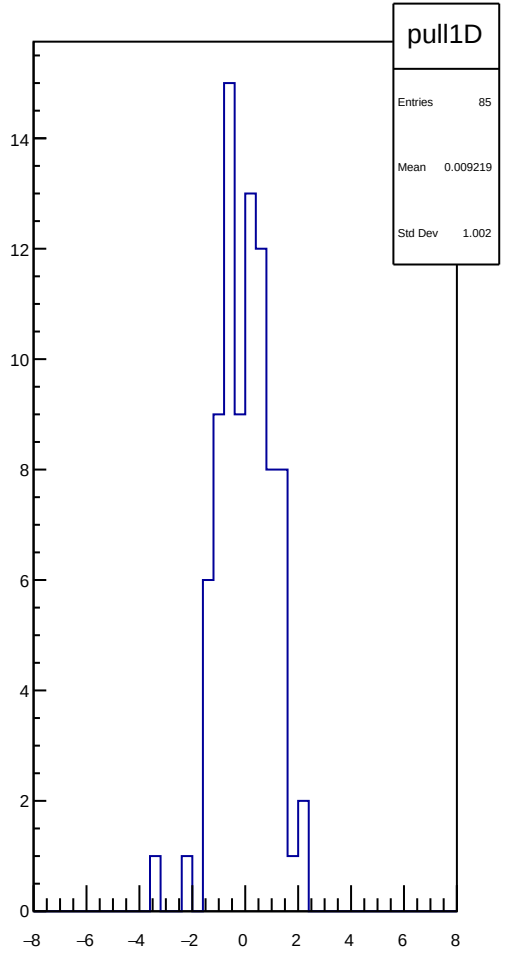

pull1D
Entries 85
Mean 0.006558
Std Dev 0.8743

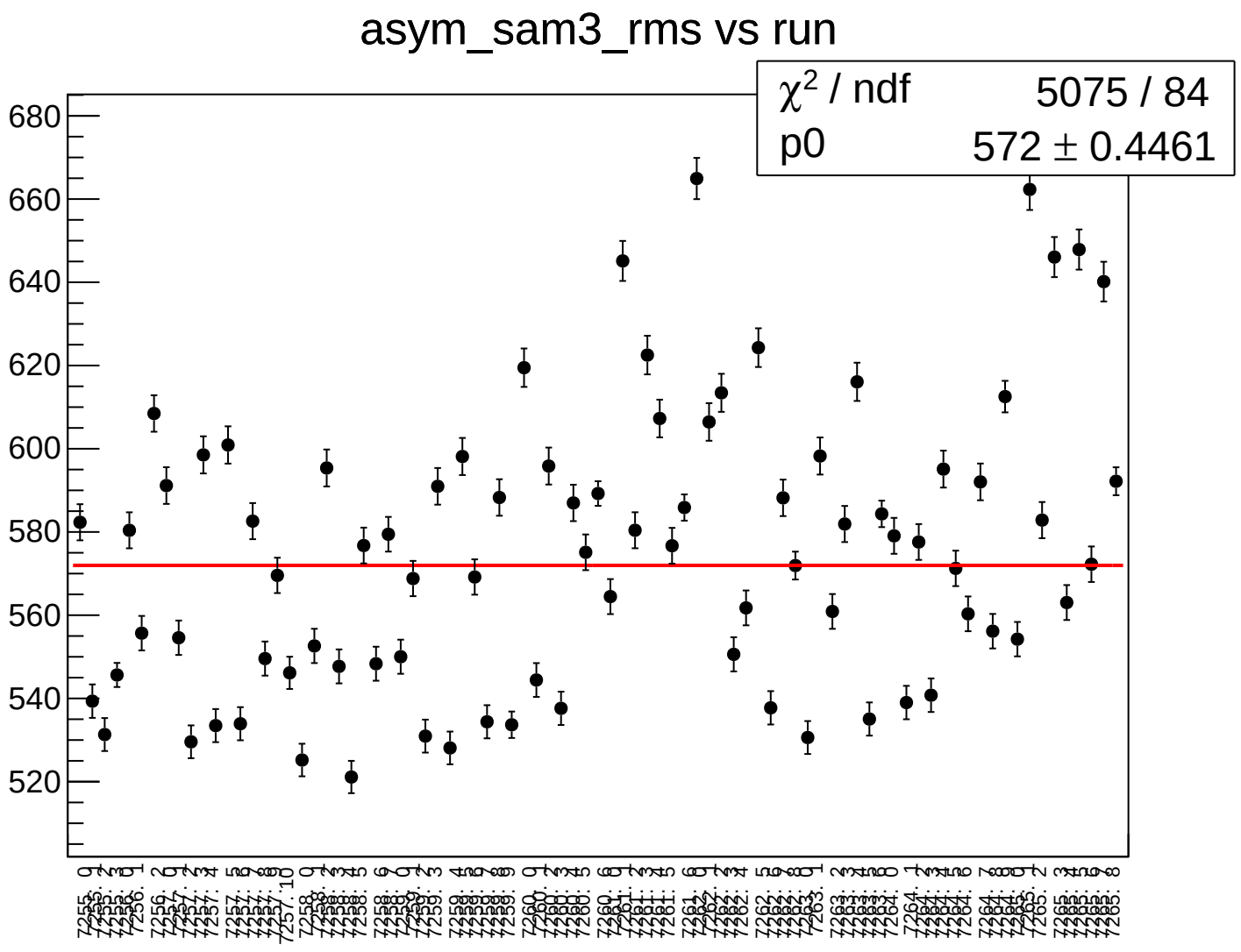

dit_asym_sam3_rms vs run
χ^2 / ndf 4.911e+04 / 84
p0 76.71 ± 0.06065
140
130
120
110
100
90
80
70
60

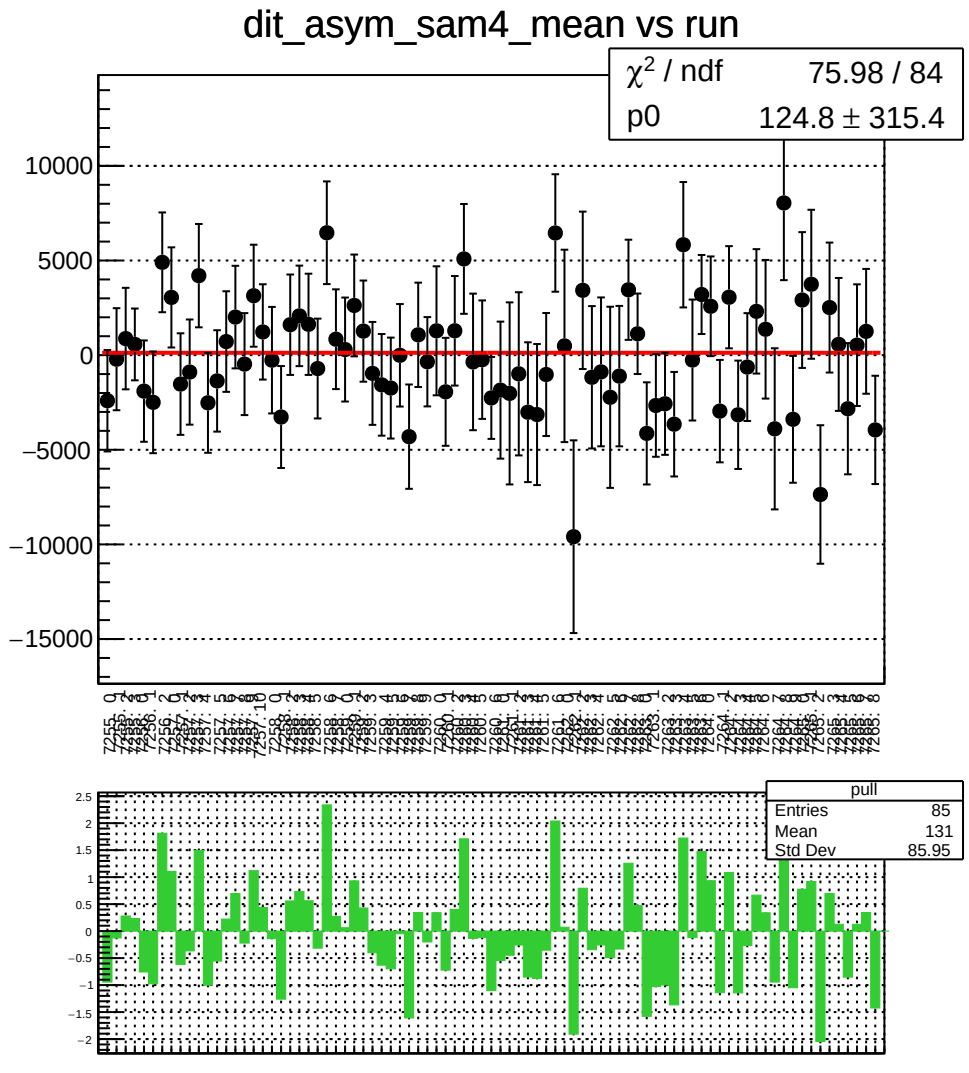

asym_sam3_correction_mean vs run
χ² / ndf 81.34 / 84
p0 −943.7 ± 617.1
pull
Entries 85
Mean −320.2
Std Dev 358.4
pull1D
Entries 85
Mean −0.01225
Std Dev 0.9781

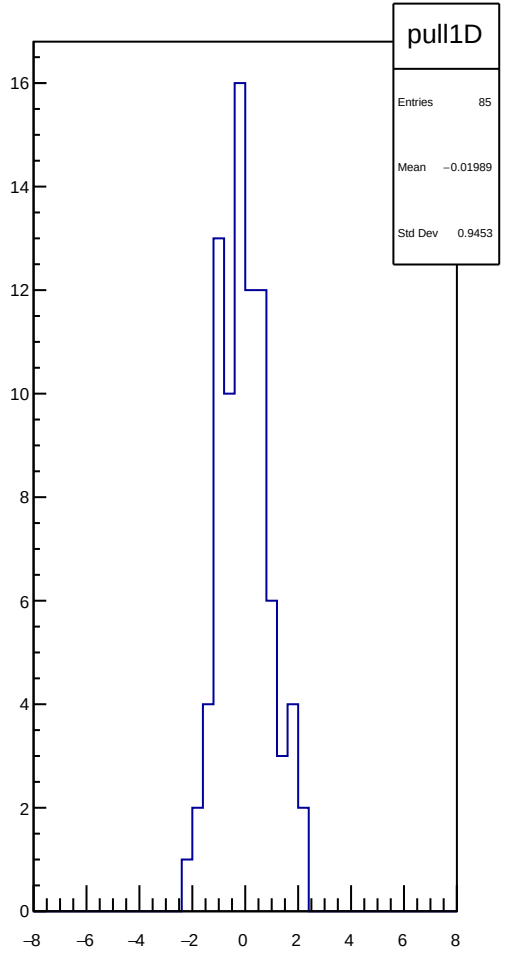

asym_sam3_correction_rms vs run
χ² / ndf 2749 / 84
p0 559.8 ± 0.4364
640
620
600
580
560
540
520

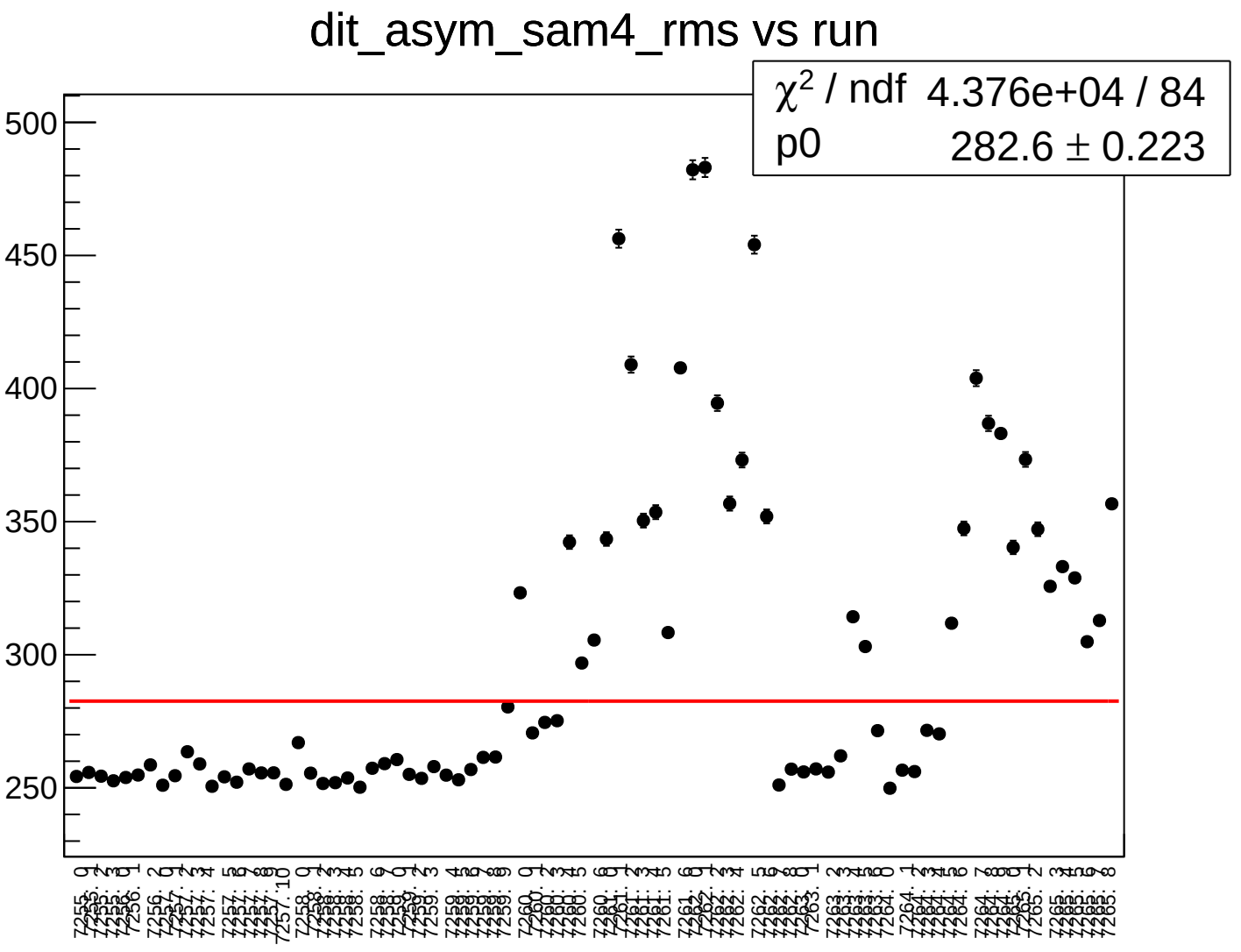

asym_sam3_mean vs run
χ² / ndf 85.35 / 84
p0 935.8 ± 630.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −414.7
Std Dev 453.5
2
1
0
−1
−2
−3

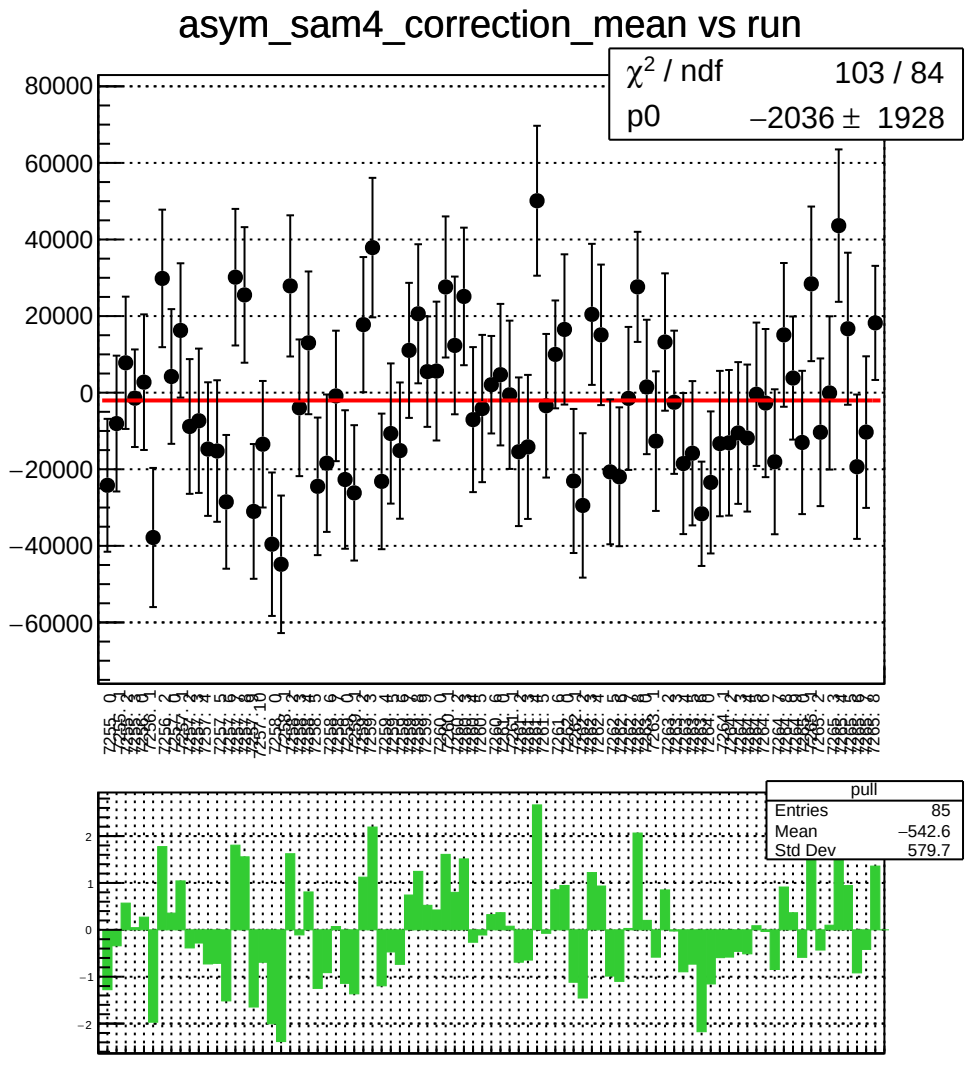

pull1D
Entries 85
Mean 0.009219
Std Dev 1.002
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

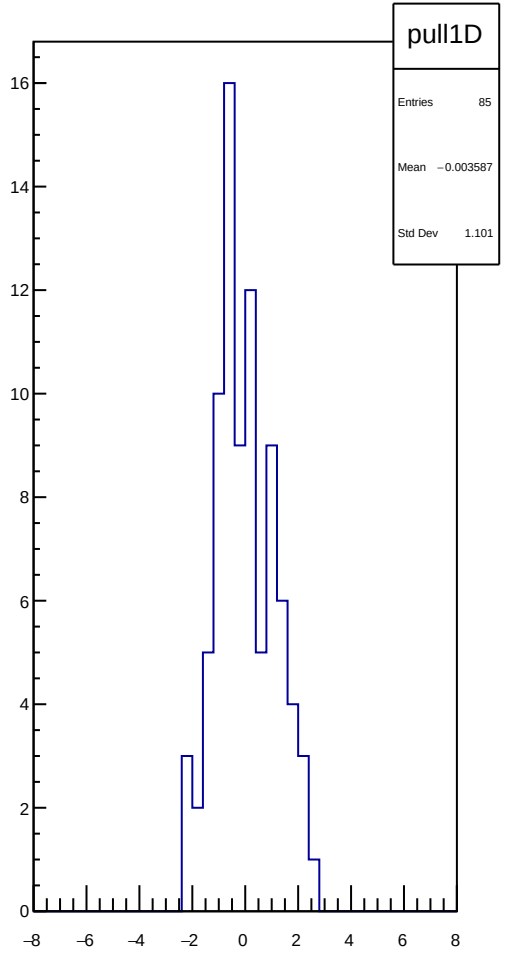

asym_sam3_rms vs run
χ² / ndf 5075 / 84
p0 572 ± 0.4461
680
660
640
620
600
580
560
540
520

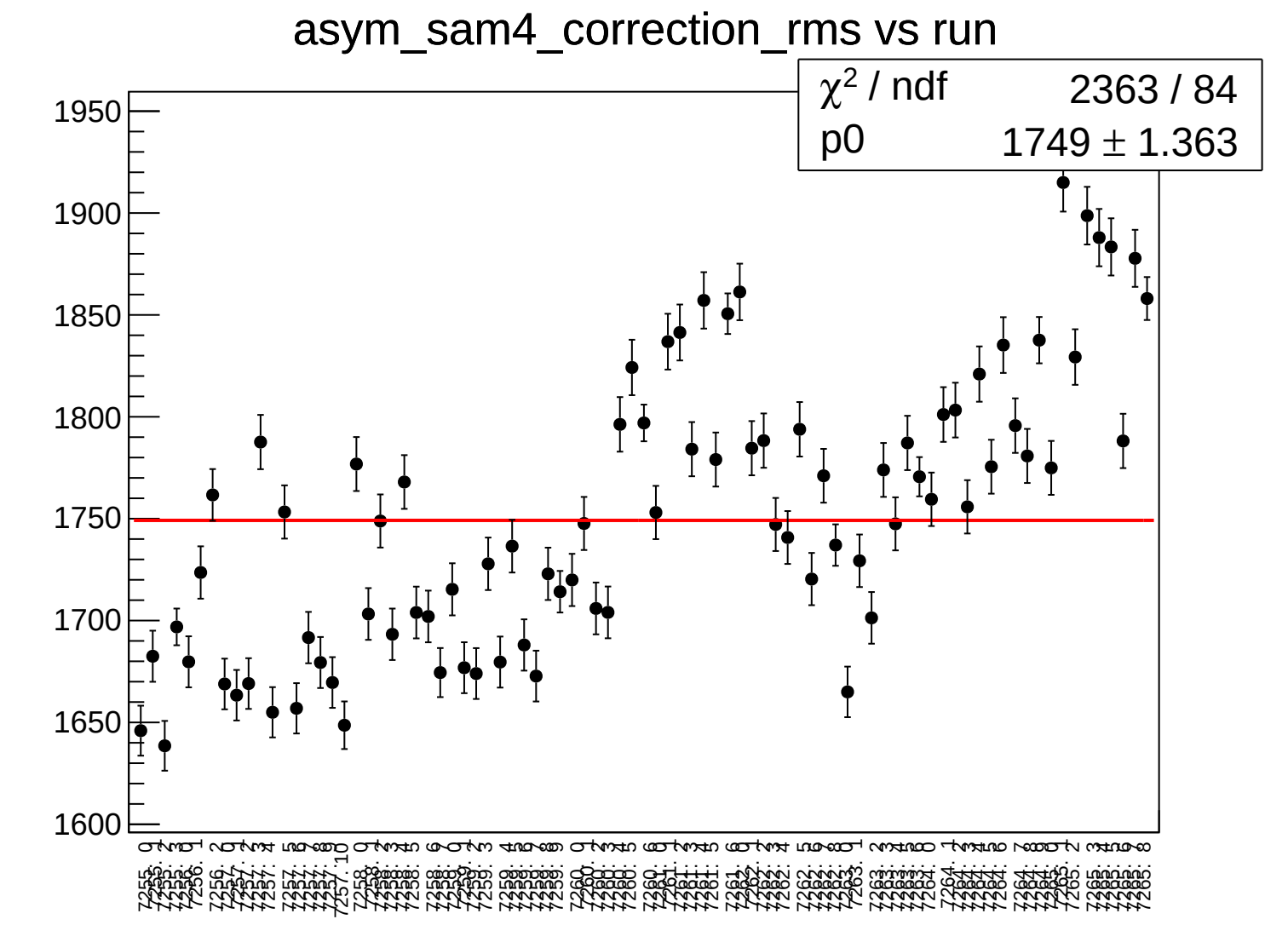

dit_asym_sam4_mean vs run
χ^2 / ndf 75.98 / 84
p0 124.8 ± 315.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 131
Std Dev 85.95
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

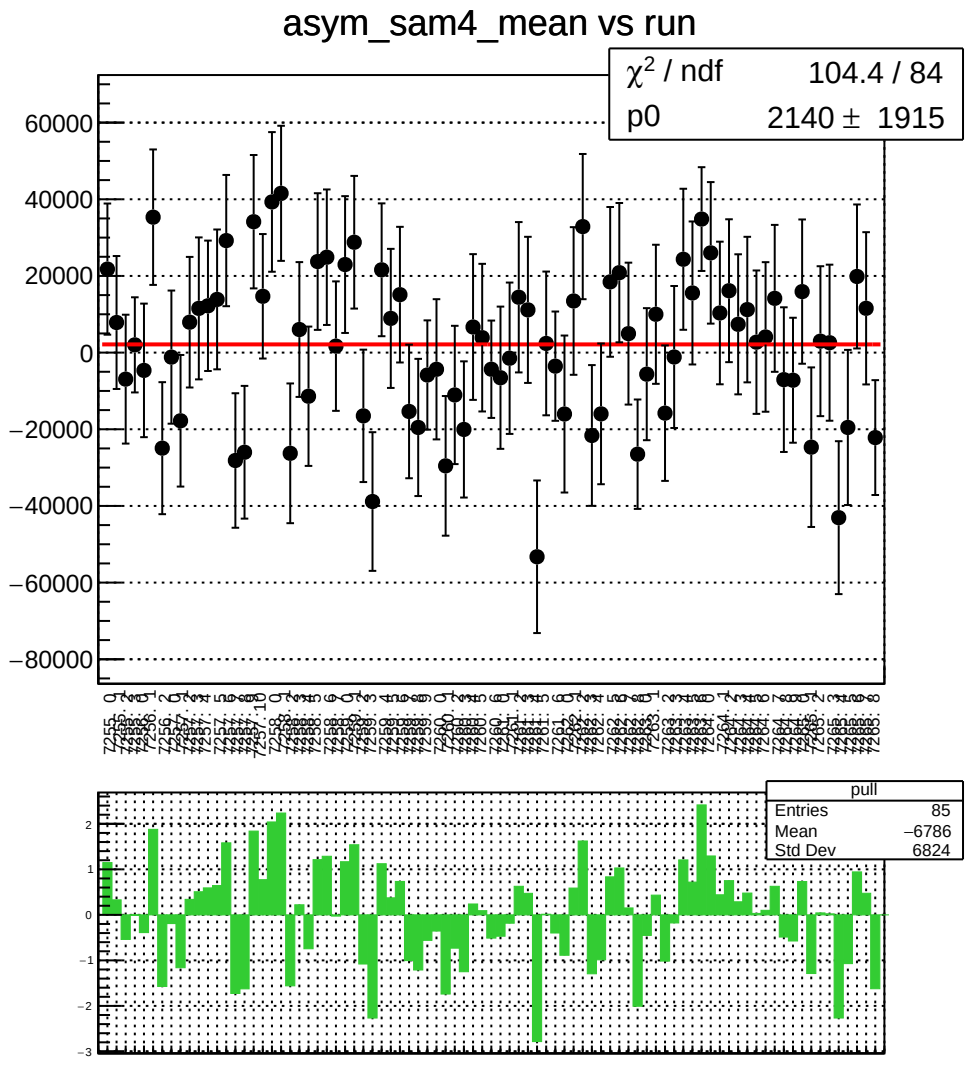

pull1D
Entries 85
Mean −0.01989
Std Dev 0.9453
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

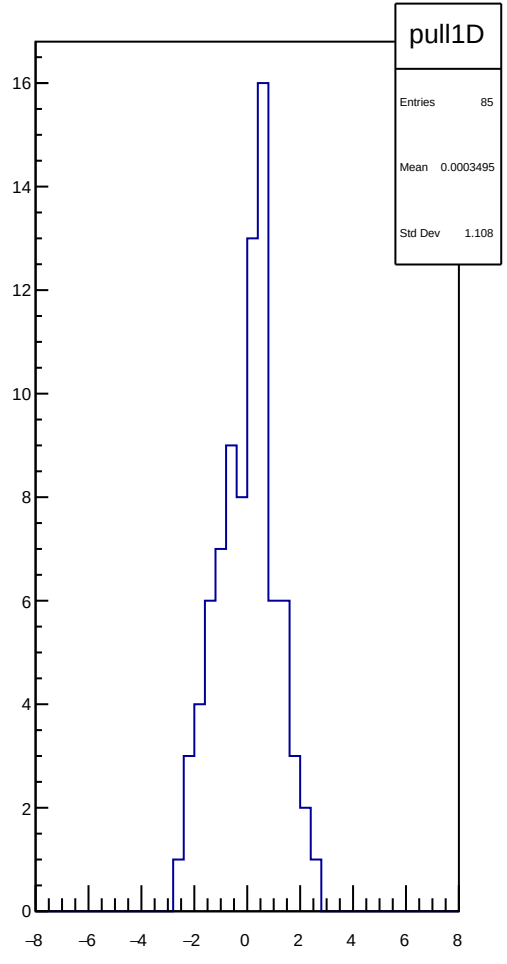

dit_asym_sam4_rms vs run
χ^2 / ndf 4.376e+04 / 84
p0 282.6 ± 0.223
500
450
400
350
300
250

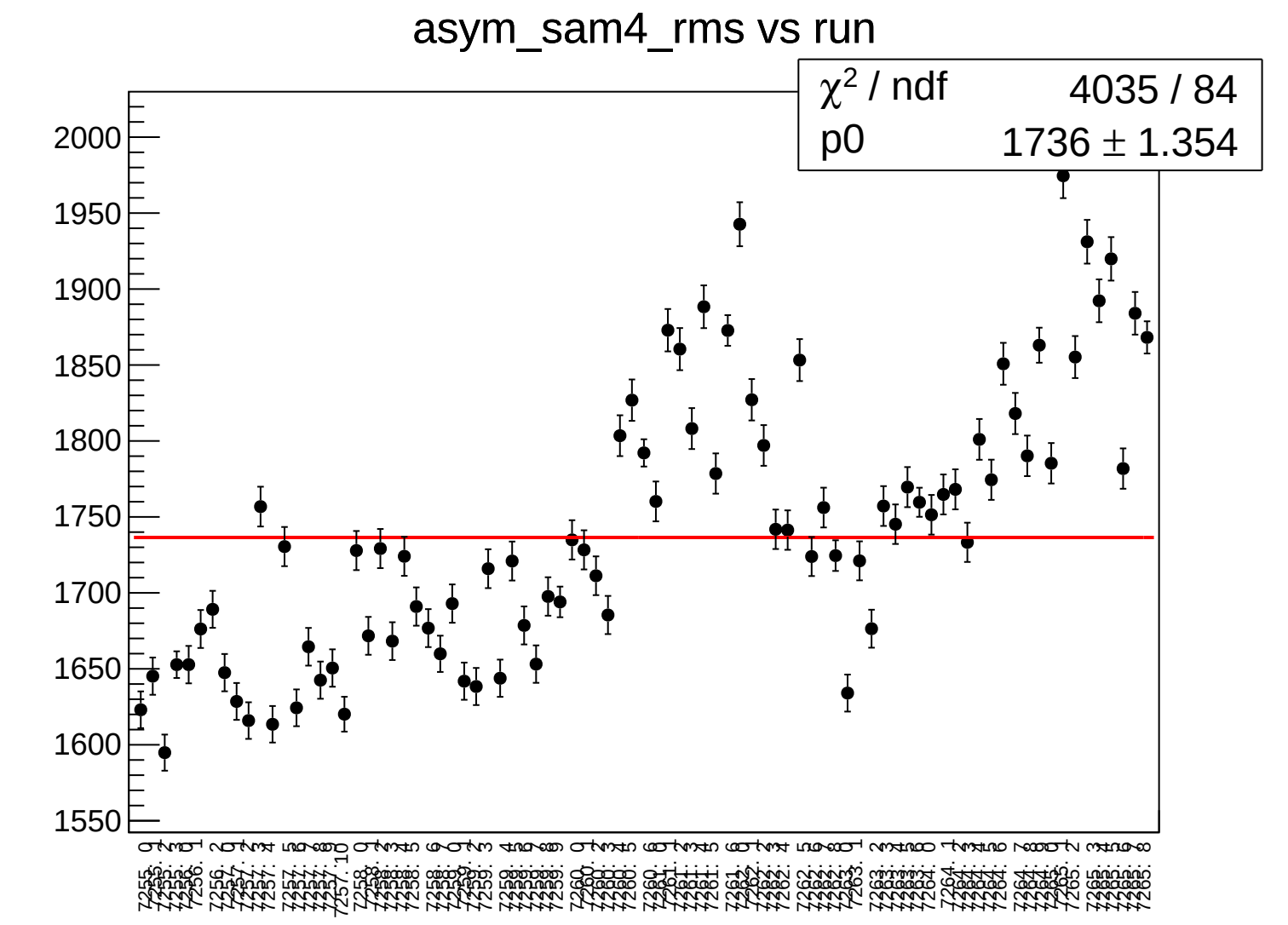

asym_sam4_correction_mean vs run
χ² / ndf 103 / 84
p0 −2036 ± 1928
pull
Entries 85
Mean −542.6
Std Dev 579.7

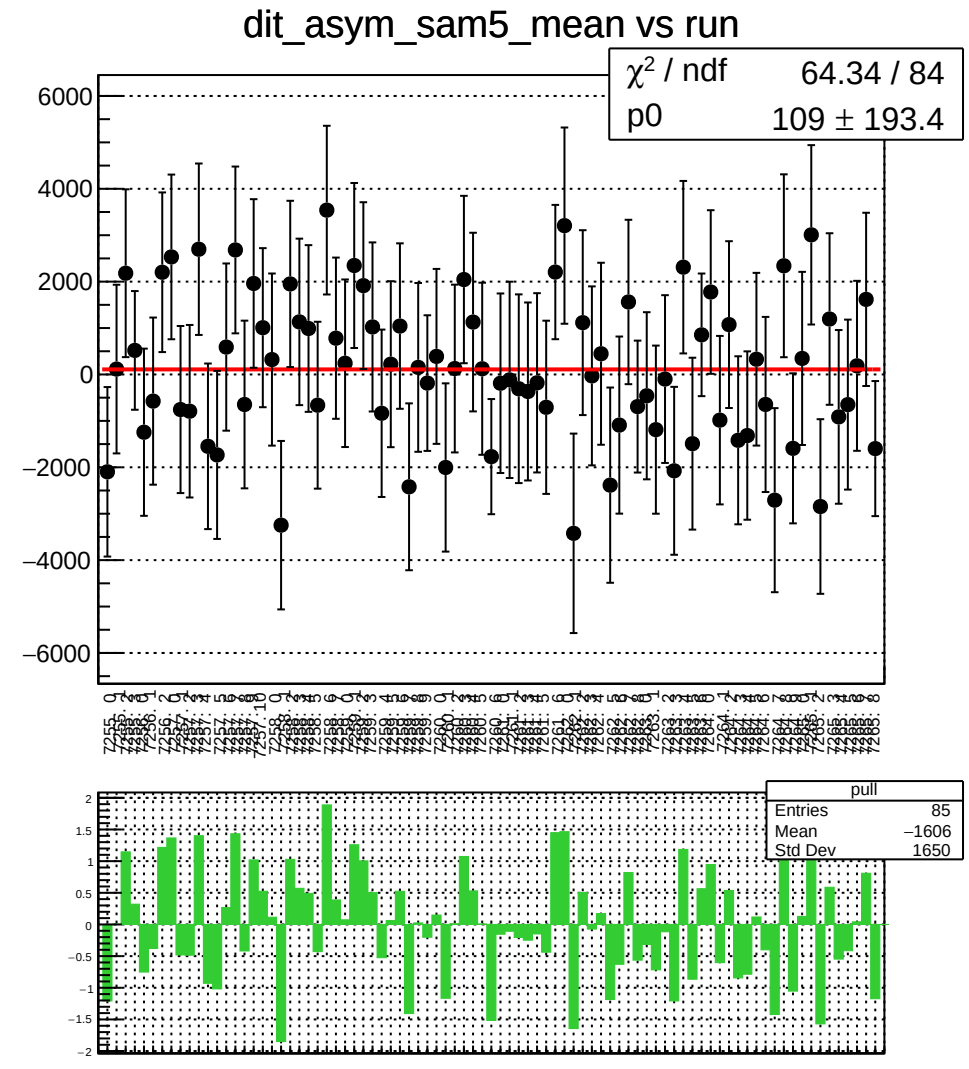

pull1D
Entries 85
Mean −0.003587
Std Dev 1.101

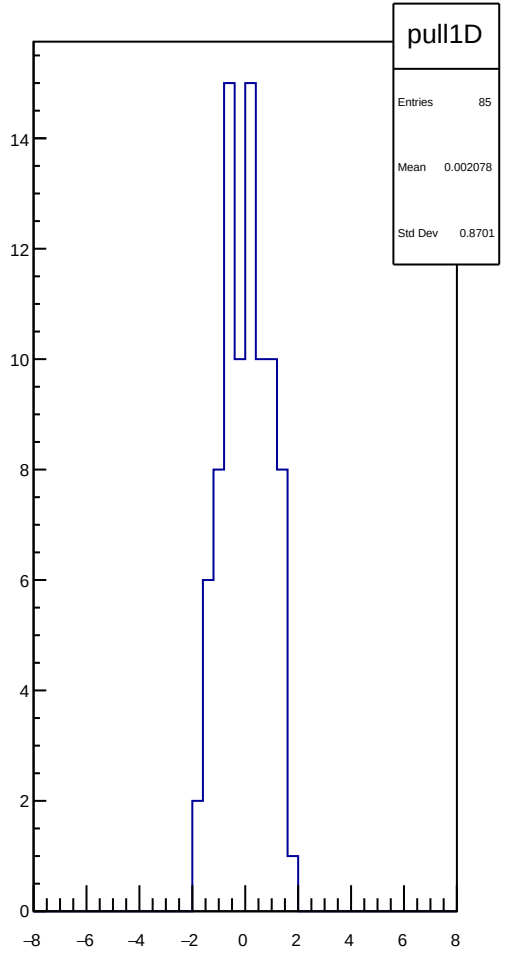

asym_sam4_correction_rms vs run
χ² / ndf 2363 / 84
p0 1749 ± 1.363
1950
1900
1850
1800
1750
1700
1650
1600

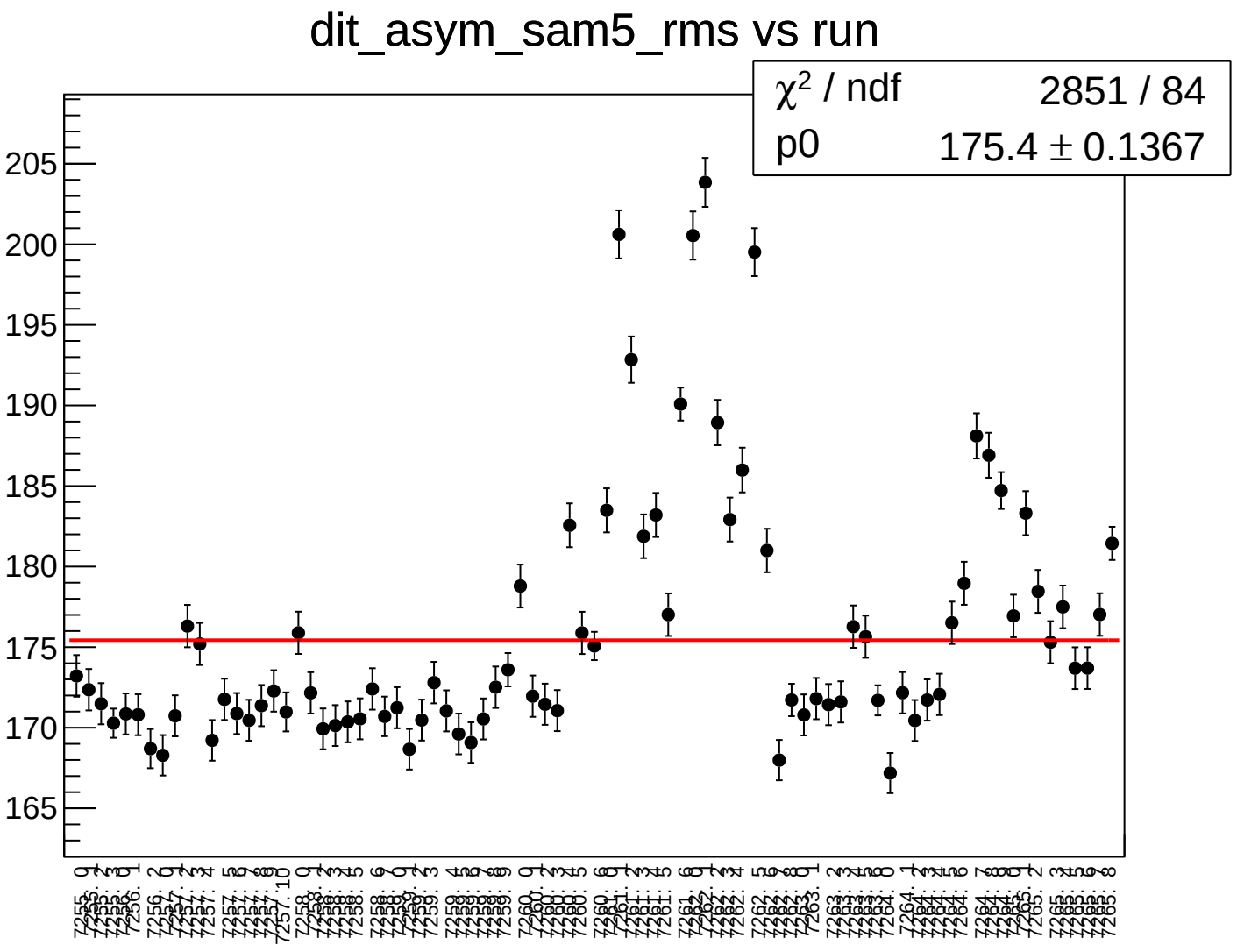

asym_sam4_mean vs run
χ² / ndf 104.4 / 84
p0 2140 ± 1915
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean −6786
Std Dev 6824
2
1
0
−1
−2
−3

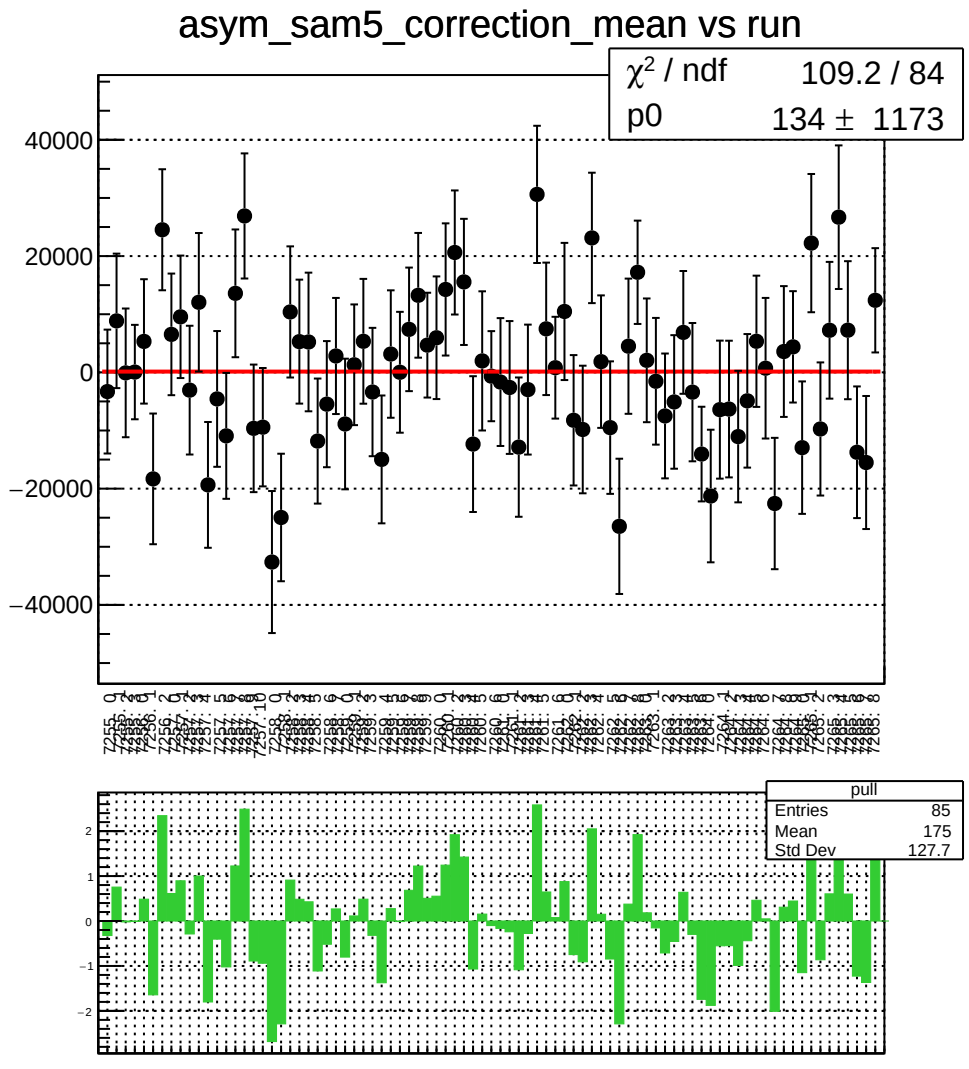

pull1D
Entries 85
Mean 0.0003495
Std Dev 1.108
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

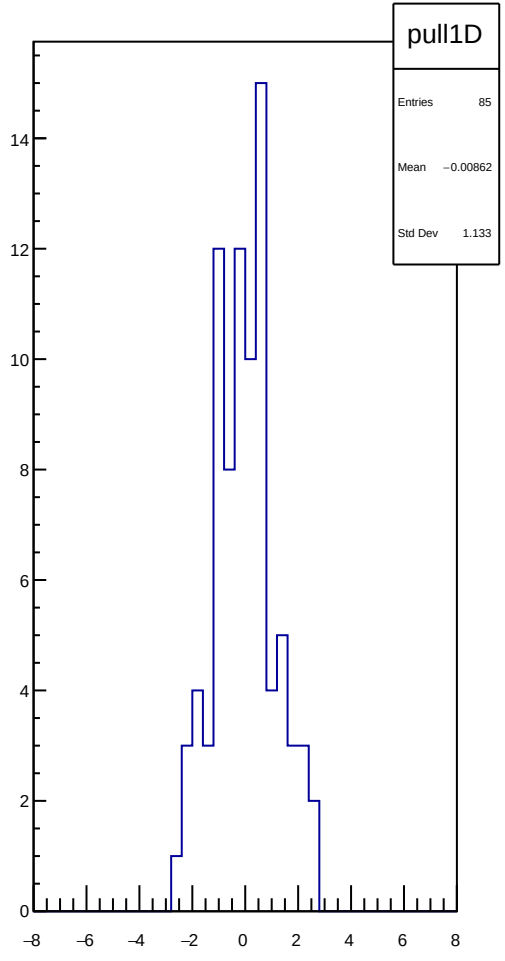

asym_sam4_rms vs run
χ^2 / ndf 4035 / 84
p0 1736 ± 1.354
2000
1950
1900
1850
1800
1750
1700
1650
1600
1550

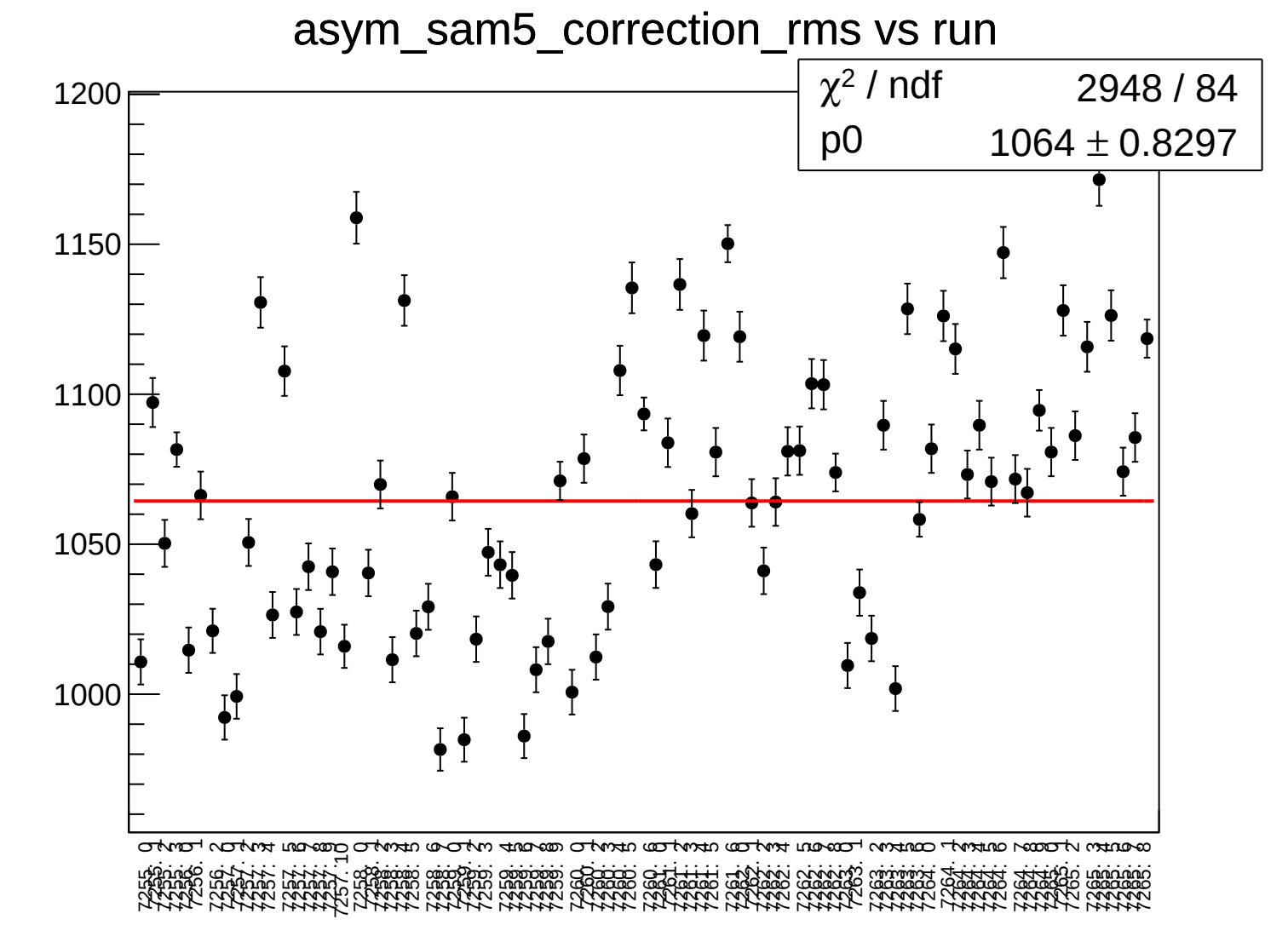

dit_asym_sam5_mean vs run
χ² / ndf 64.34 / 84
p0 109 ± 193.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 85
Mean −1606
Std Dev 1650
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

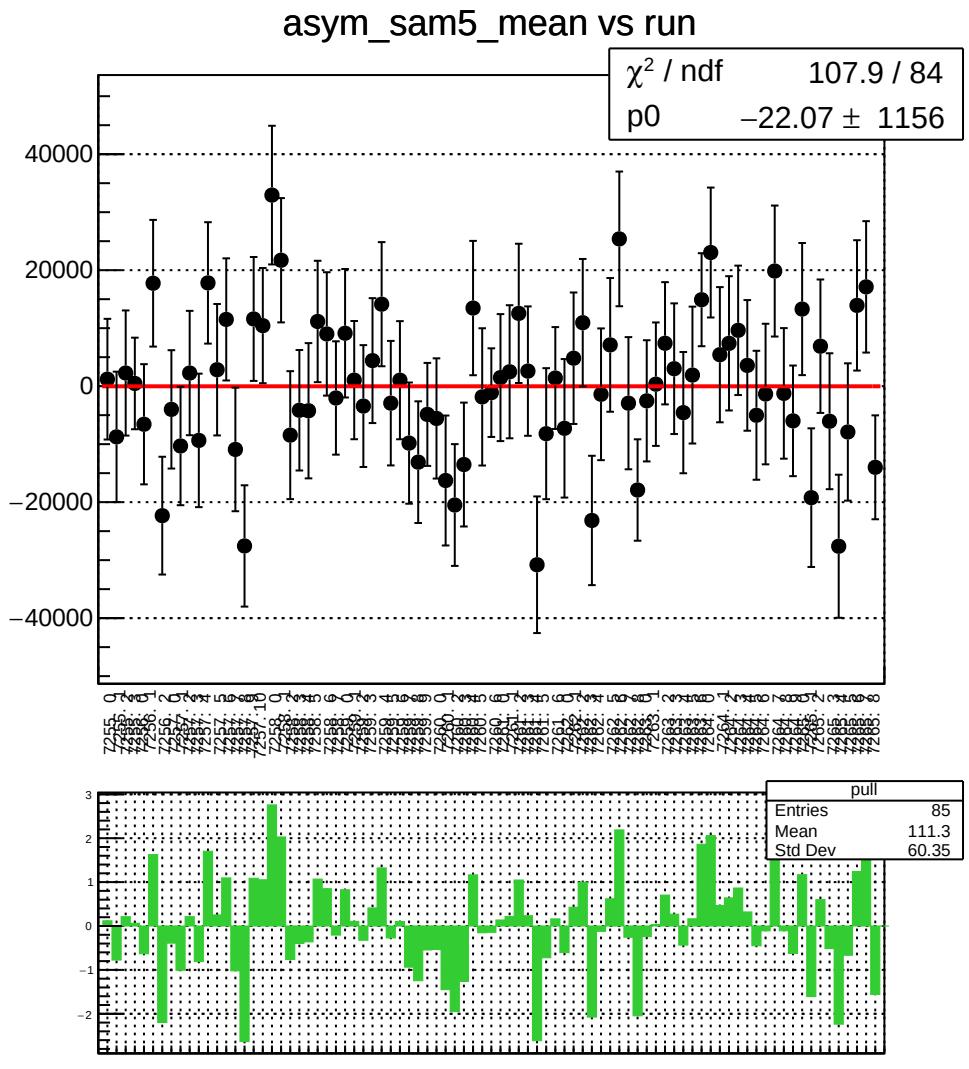

pull1D
Entries 85
Mean 0.002078
Std Dev 0.8701
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

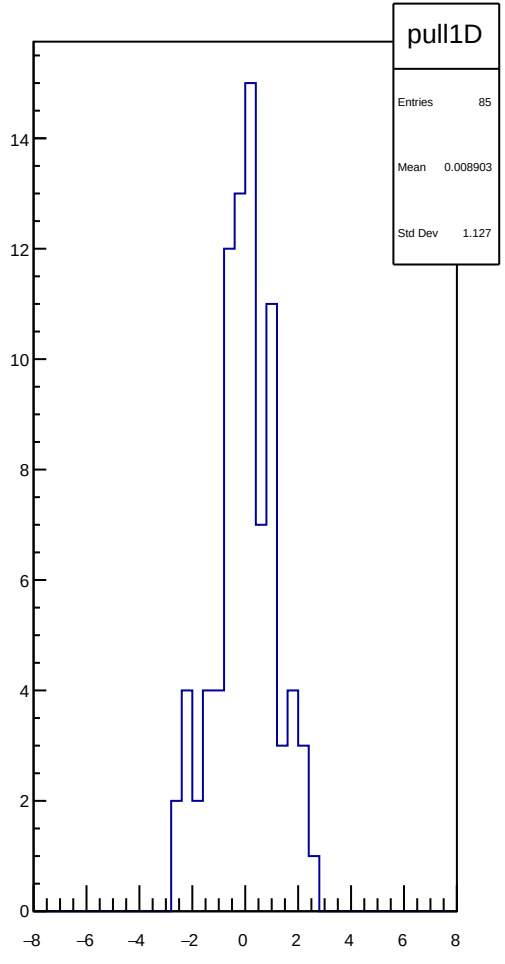

dit_asym_sam5_rms vs run
χ² / ndf 2851 / 84
p0 175.4 ± 0.1367
205
200
195
190
185
180
175
170
165

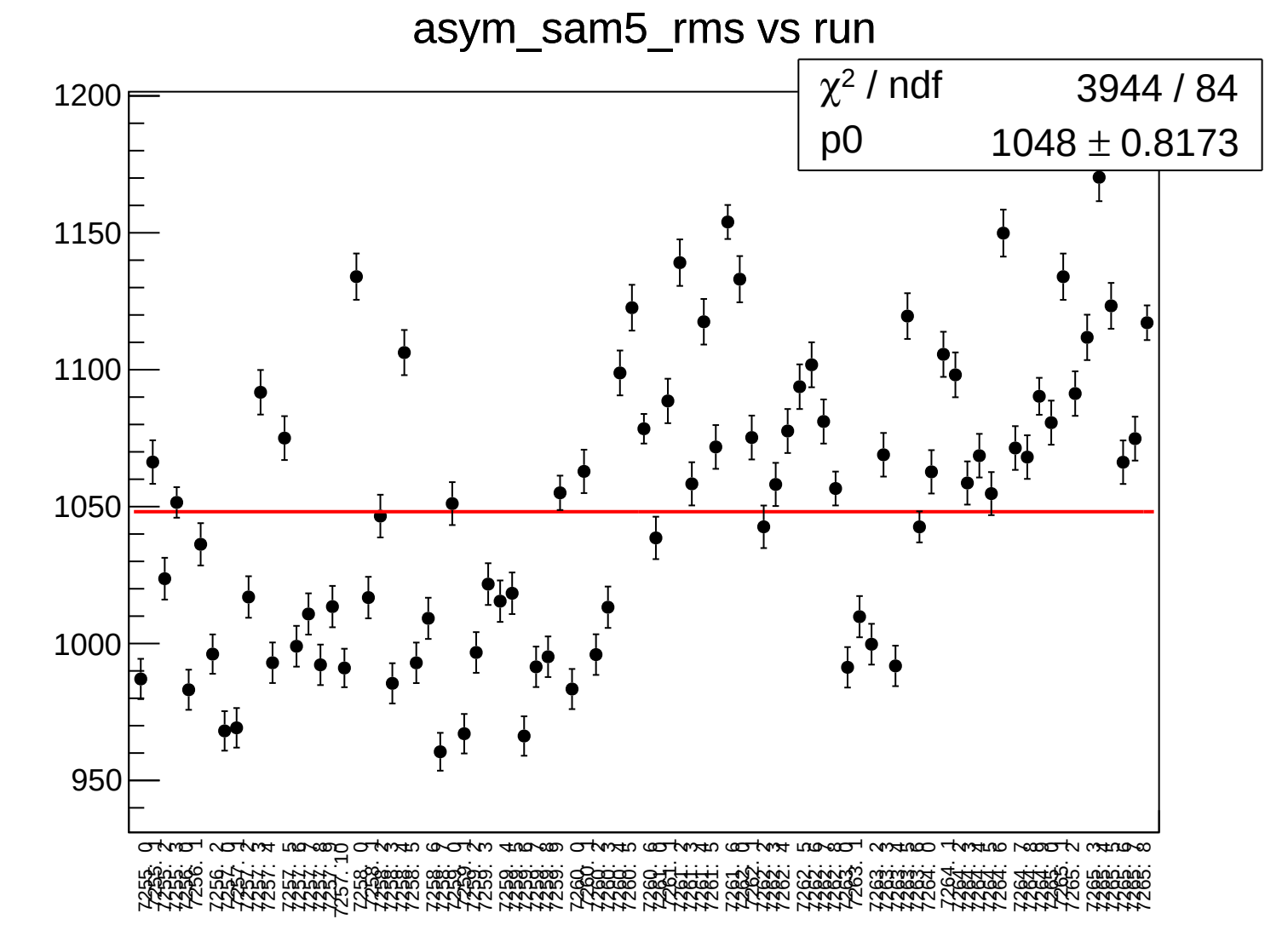

asym_sam5_correction_mean vs run
χ² / ndf 109.2 / 84
p0 134 ± 1173
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 175
Std Dev 127.7
2
1
0
−1
−2

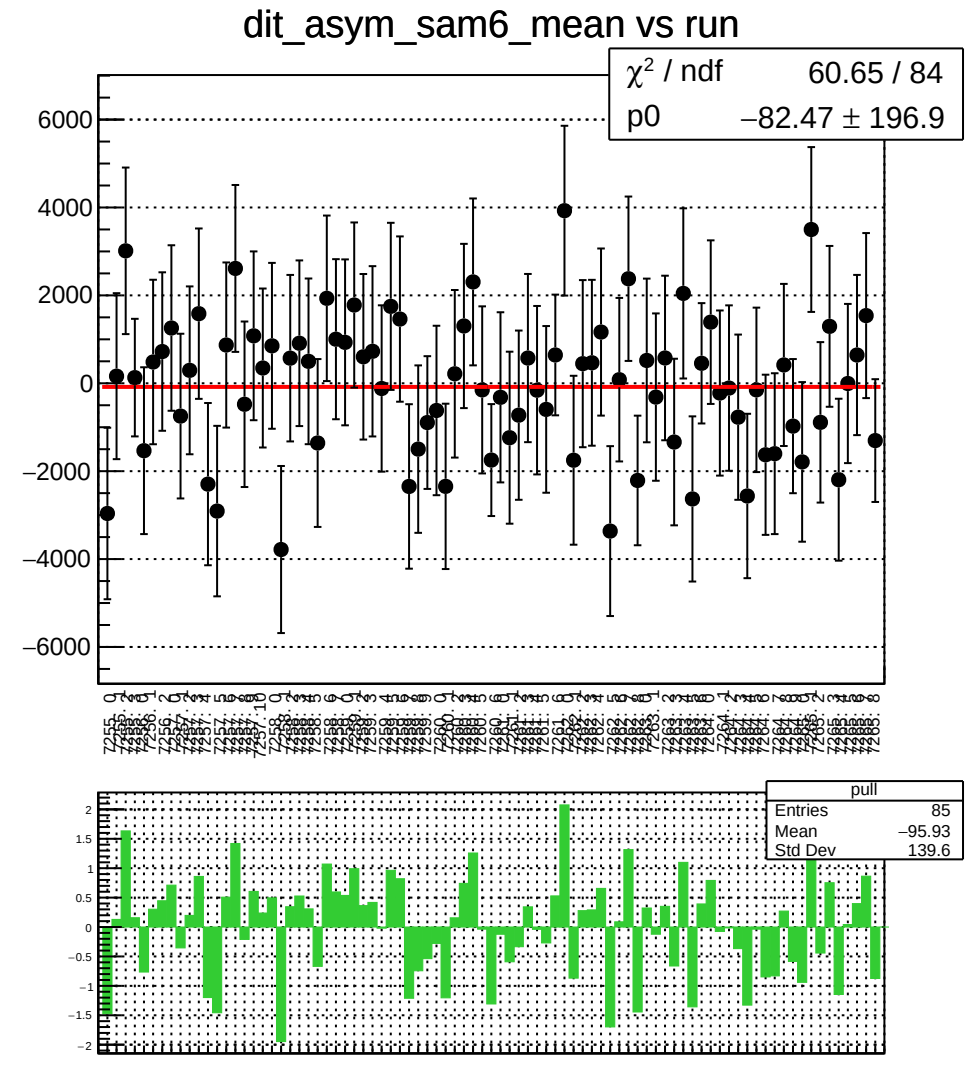

pull1D
Entries 85
Mean −0.00862
Std Dev 1.133
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

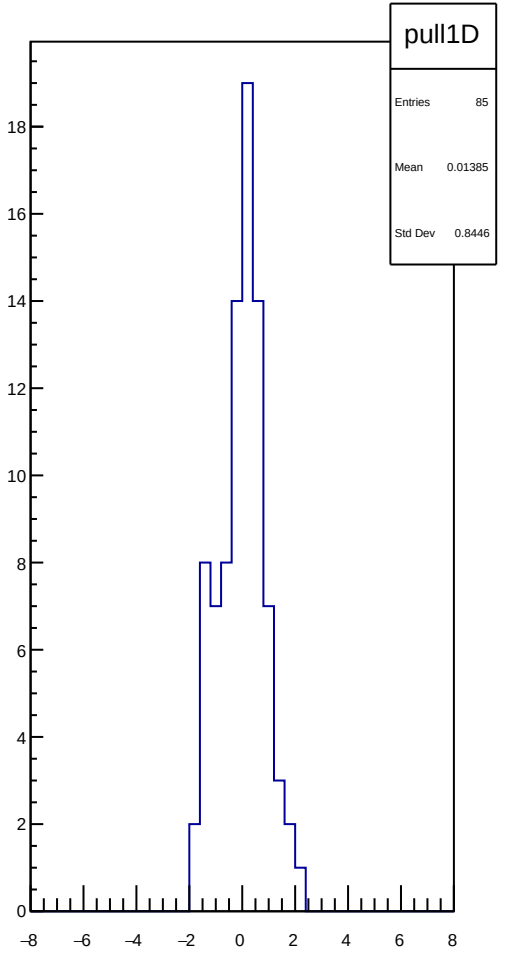

asym_sam5_correction_rms vs run
χ² / ndf 2948 / 84
p0 1064 ± 0.8297
1200
1150
1100
1050
1000

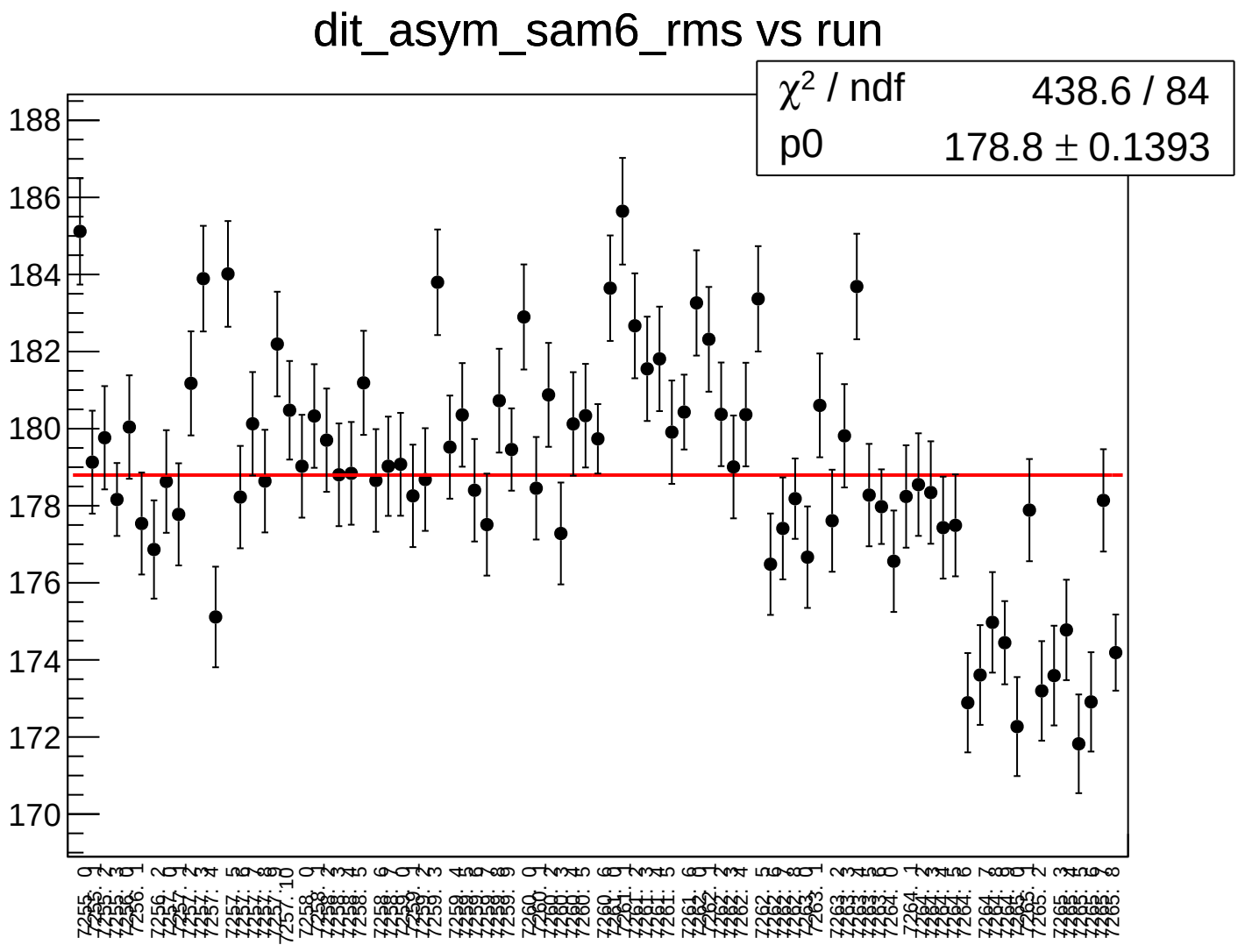

asym_sam5_mean vs run
χ² / ndf 107.9 / 84
p0 −22.07 ± 1156
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 111.3
Std Dev 60.35
3
2
1
0
−1
−2

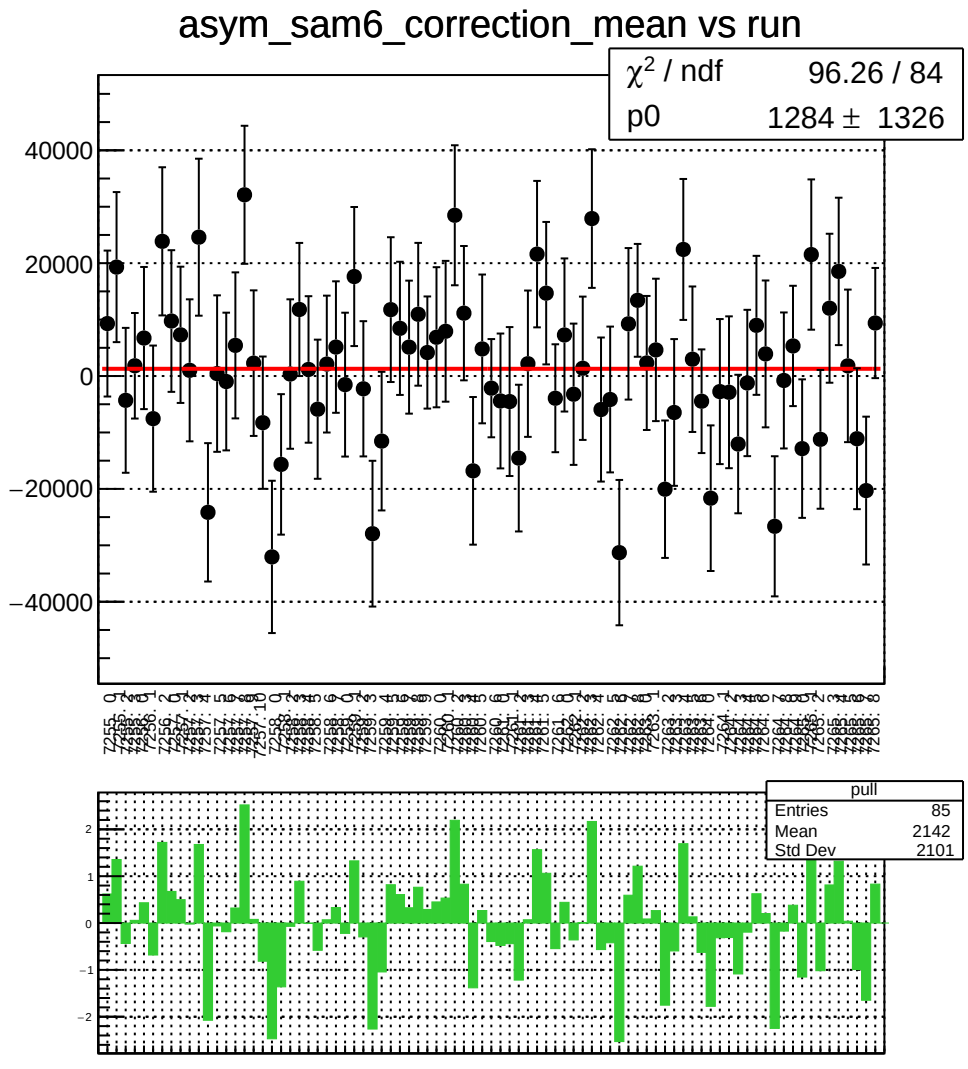

pull1D
Entries 85
Mean 0.008903
Std Dev 1.127
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

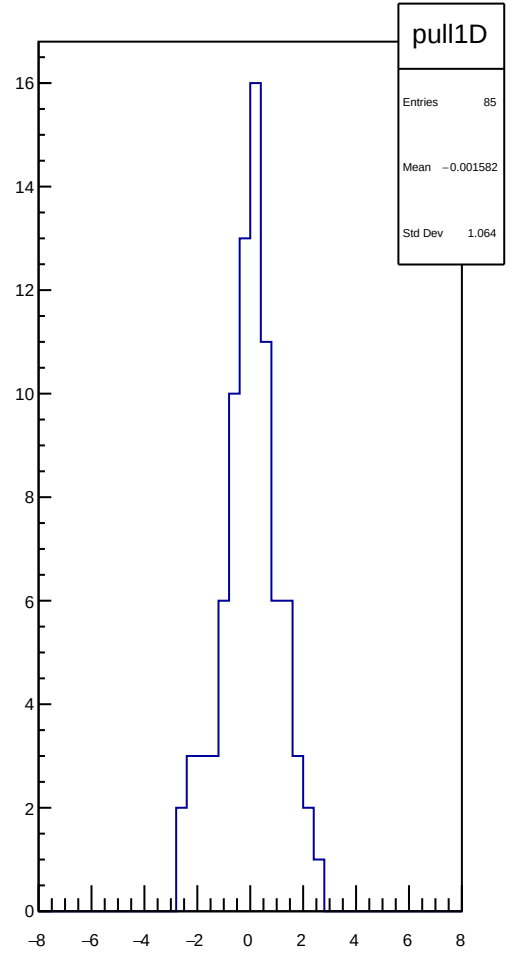

asym_sam5_rms vs run
χ² / ndf 3944 / 84
p0 1048 ± 0.8173
1200
1150
1100
1050
1000
950

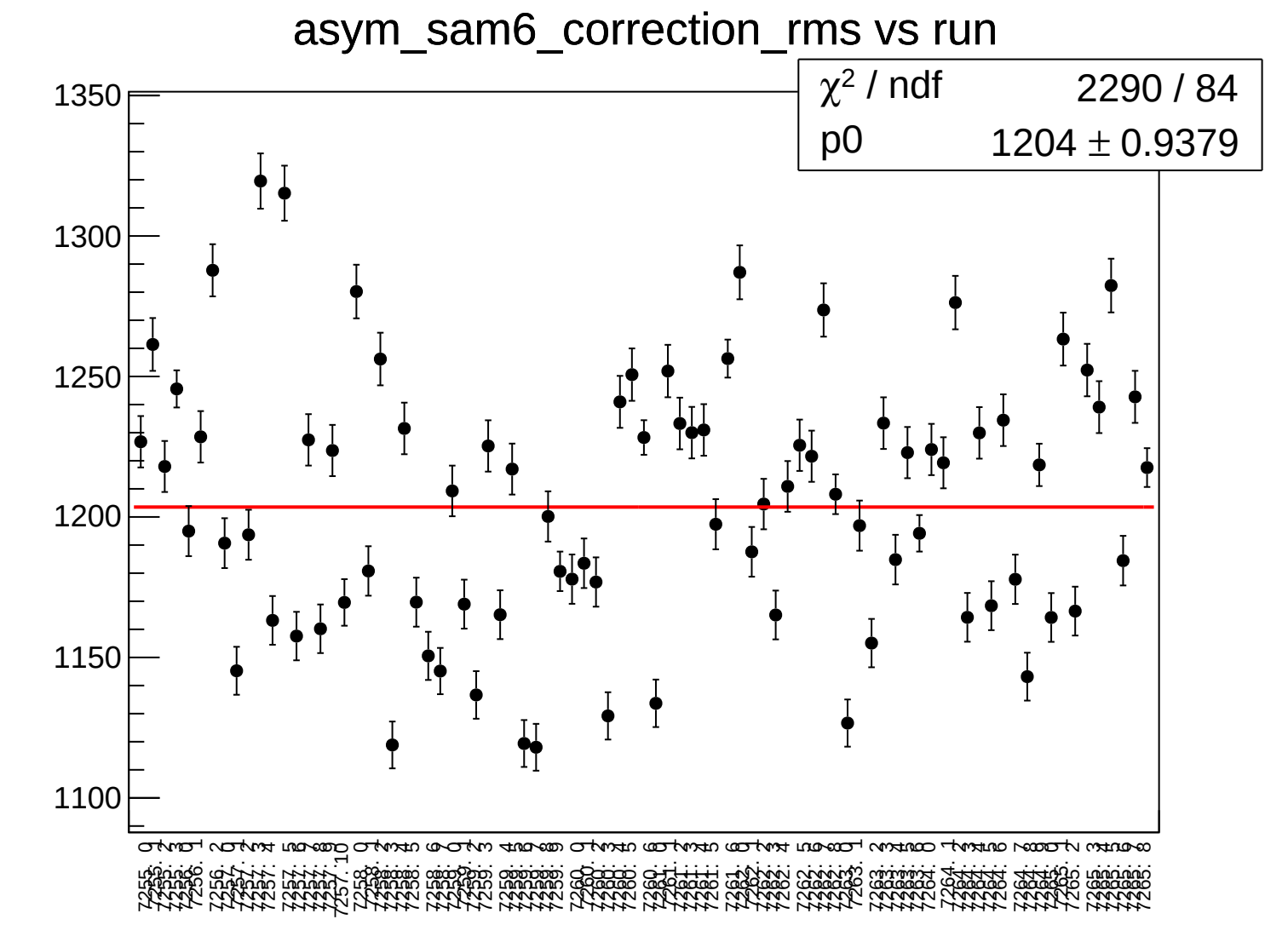

dit_asym_sam6_mean vs run
χ² / ndf 60.65 / 84
p0 –82.47 ± 196.9
6000
4000
2000
0
–2000
–4000
–6000
pull
Entries 85
Mean –95.93
Std Dev 139.6
2
1.5
1
0.5
0
–0.5
–1
–1.5
–2

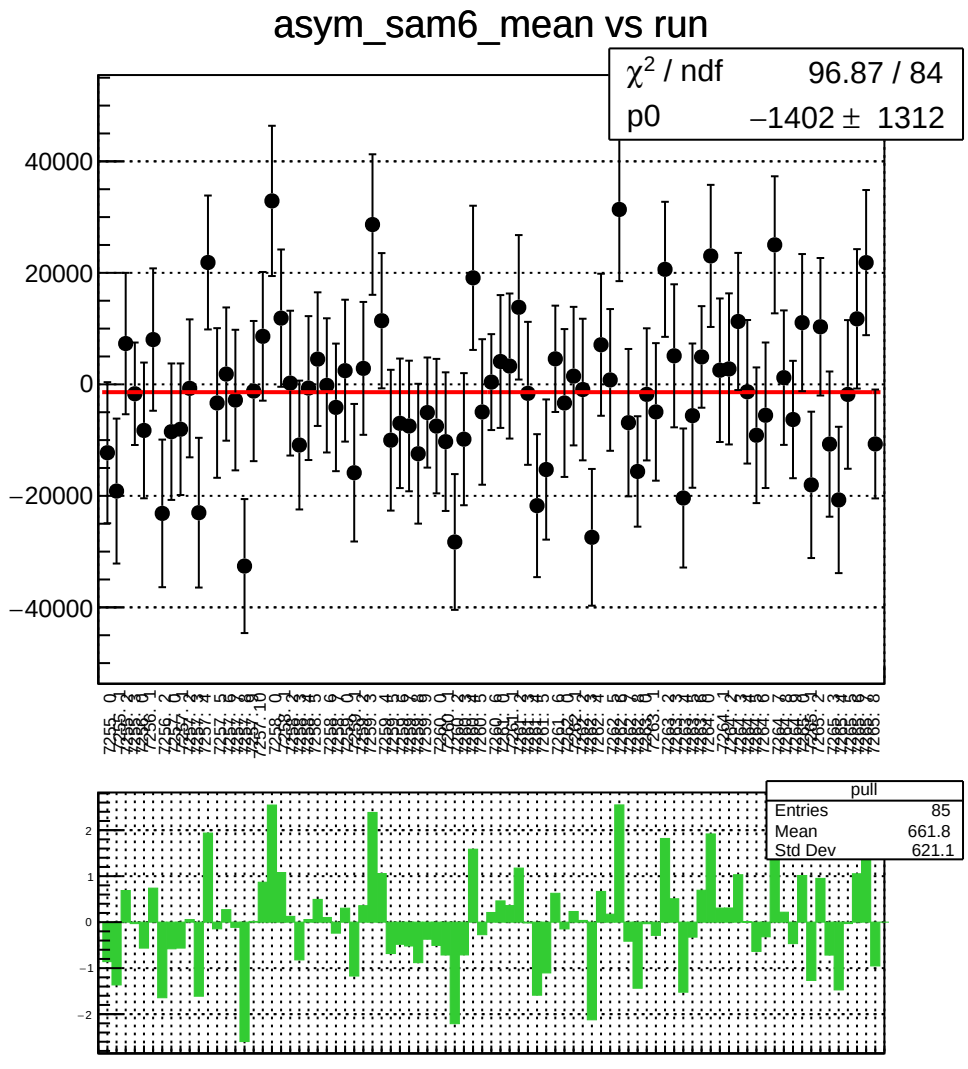

pull1D
Entries 85
Mean 0.01385
Std Dev 0.8446
18
16
14
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

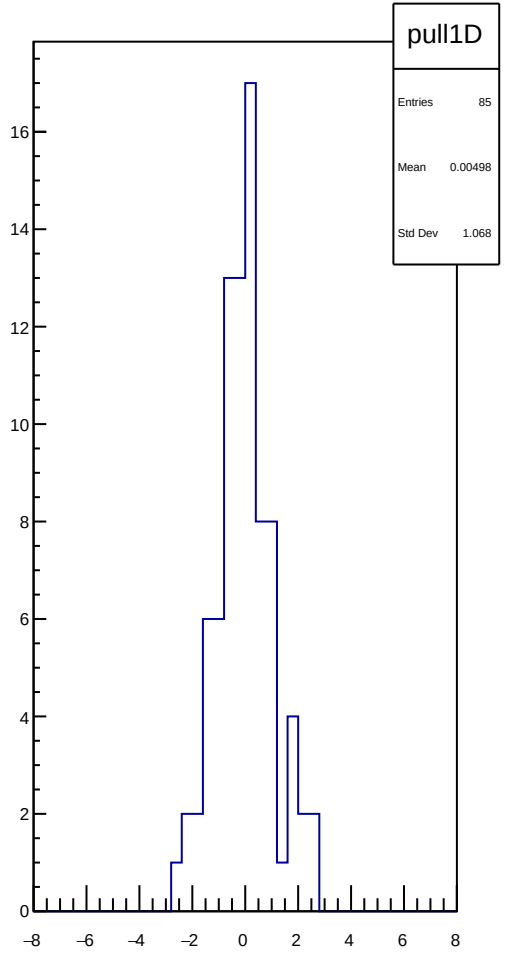

dit_asym_sam6_rms vs run
χ² / ndf 438.6 / 84
p0 178.8 ± 0.1393
188
186
184
182
180
178
176
174
172
170

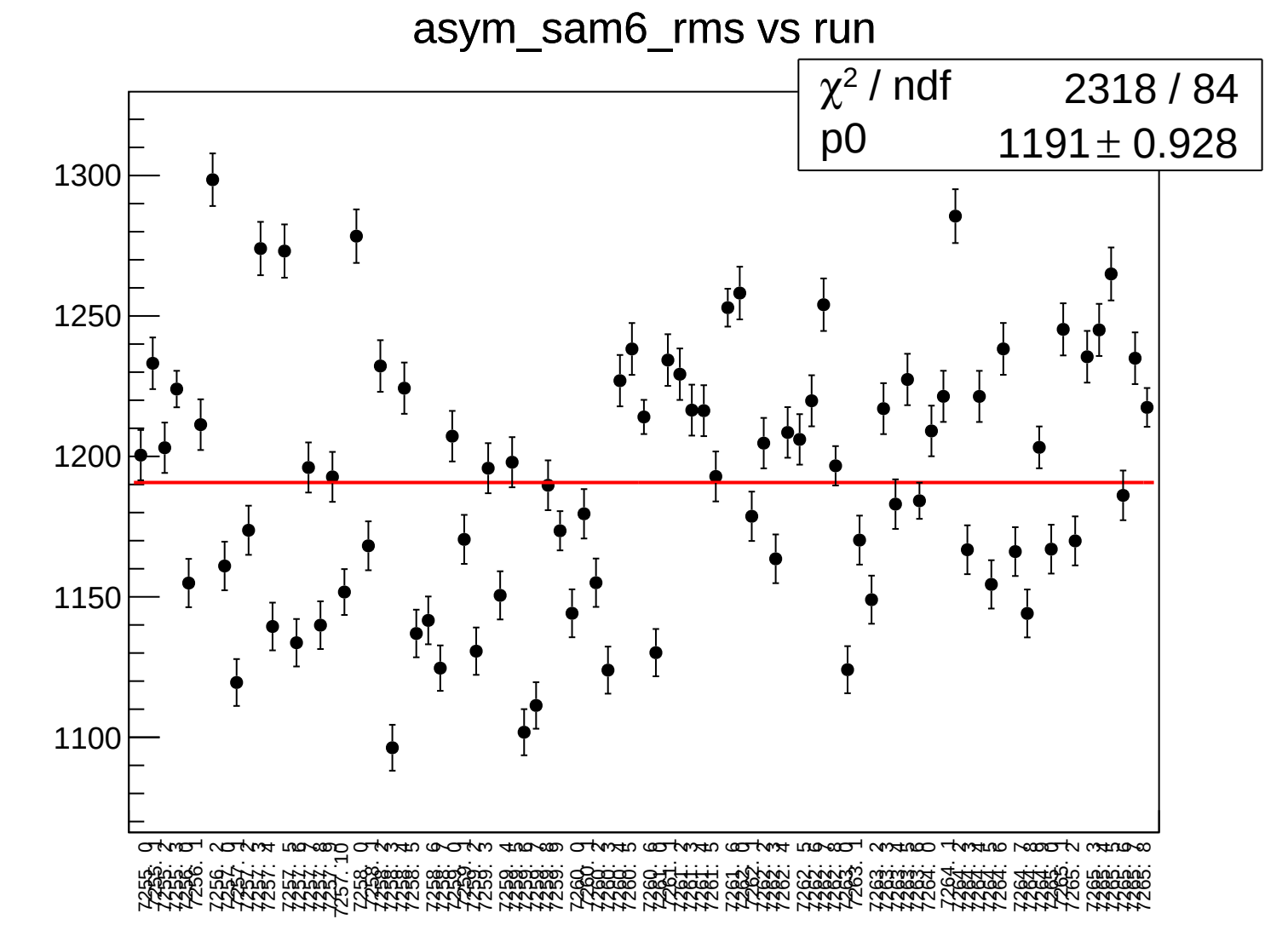

asym_sam6_correction_mean vs run
χ² / ndf 96.26 / 84
p0 1284 ± 1326
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 2142
Std Dev 2101
2
1
0
−1
−2

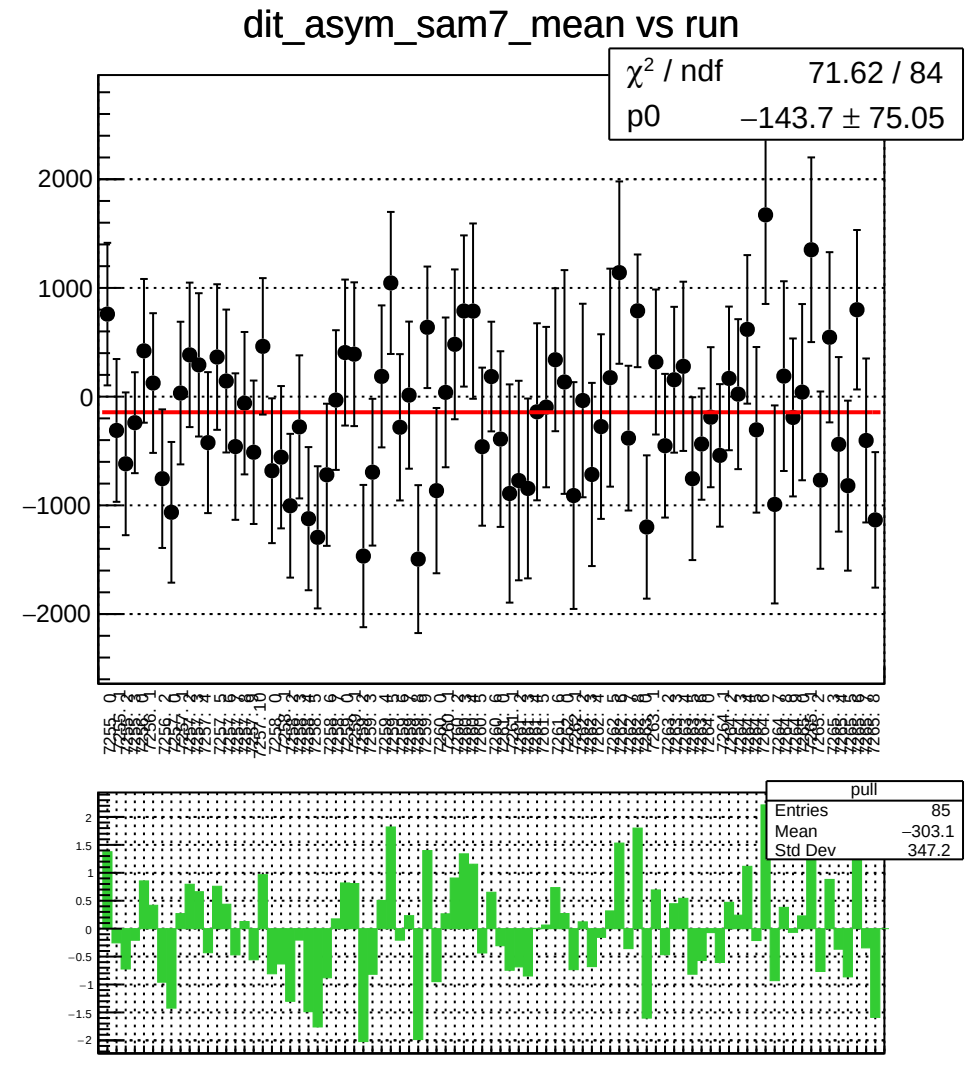

pull1D
Entries 85
Mean −0.001582
Std Dev 1.064
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

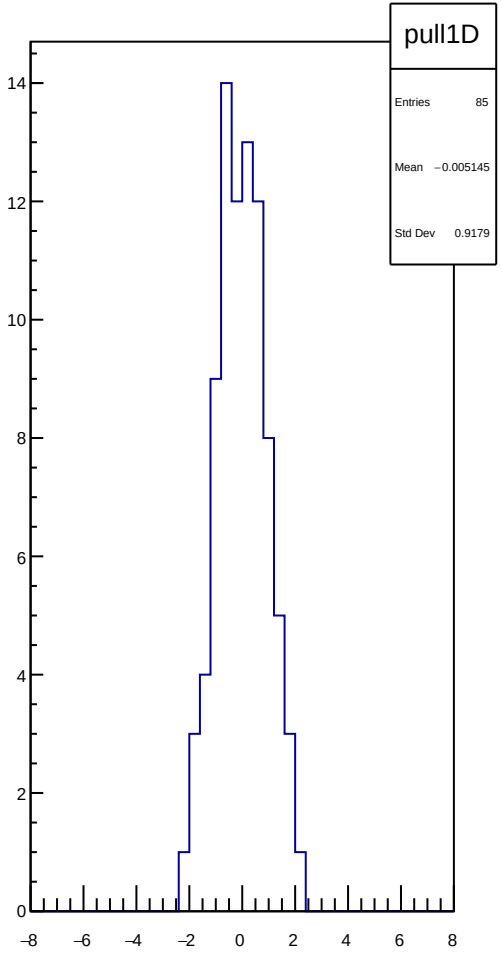

asym_sam6_correction_rms vs run
χ² / ndf 2290 / 84
p0 1204 ± 0.9379
1350
1300
1250
1200
1150
1100

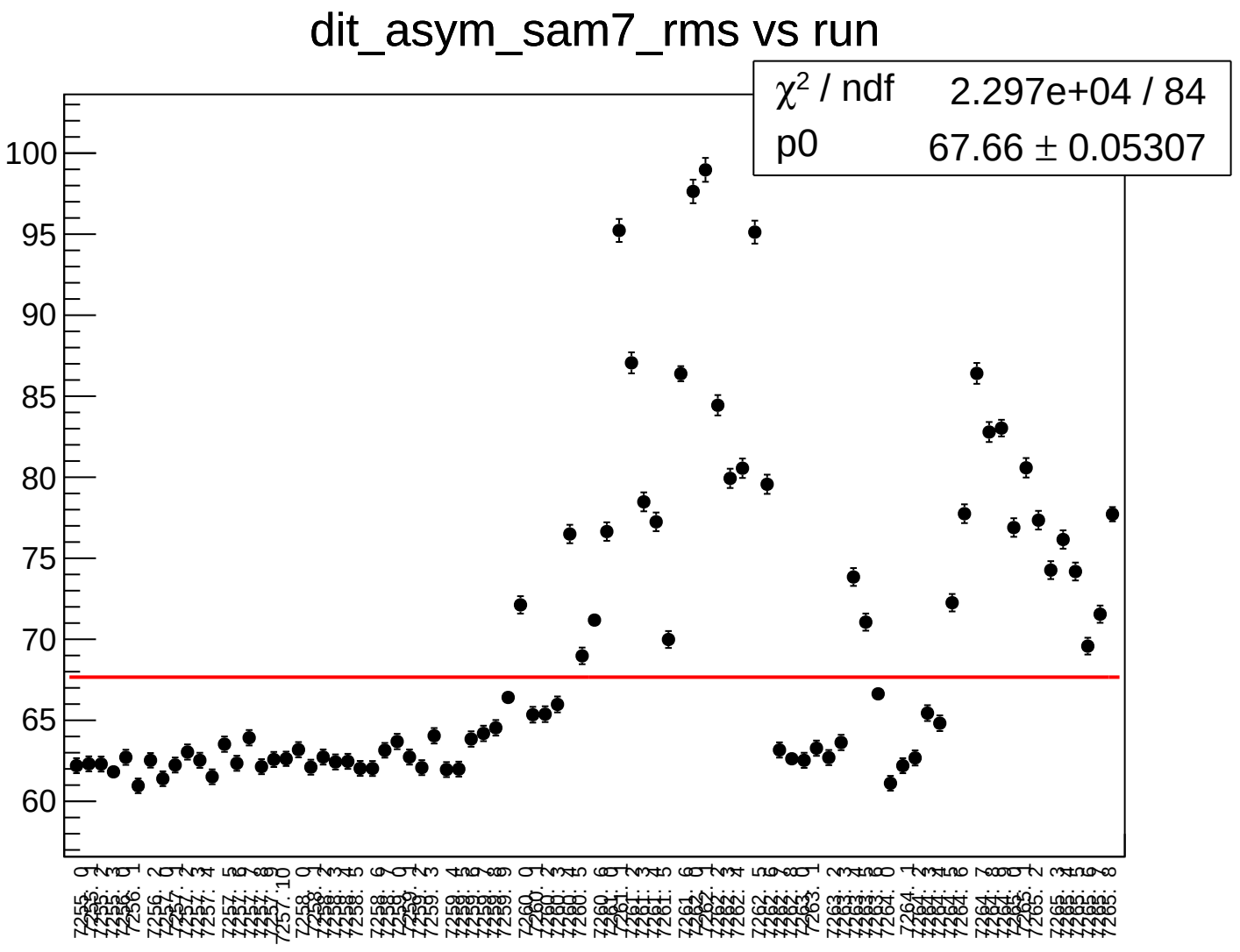

asym_sam6_mean vs run
χ^2 / ndf 96.87 / 84
p0 −1402 ± 1312
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 661.8
Std Dev 621.1
2
1
0
−1
−2

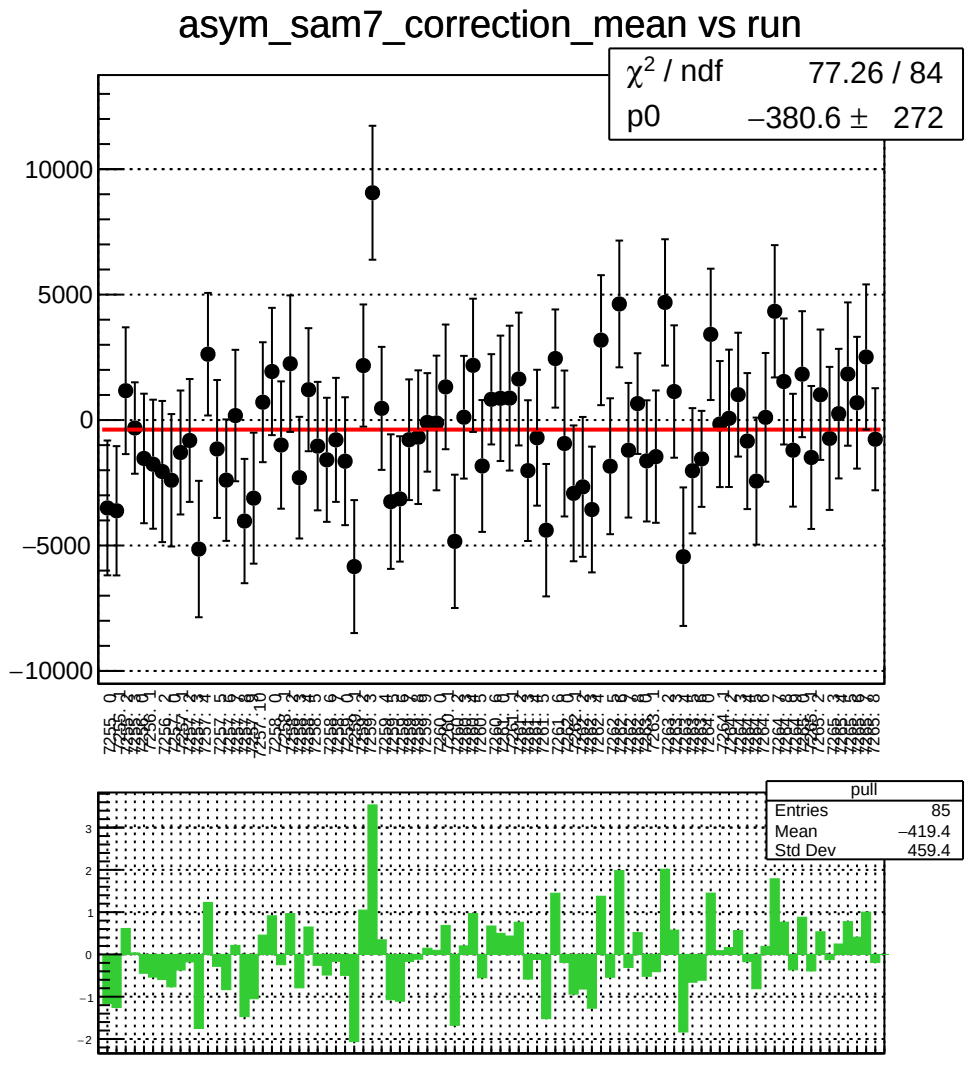

pull1D
Entries 85
Mean 0.00498
Std Dev 1.068
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

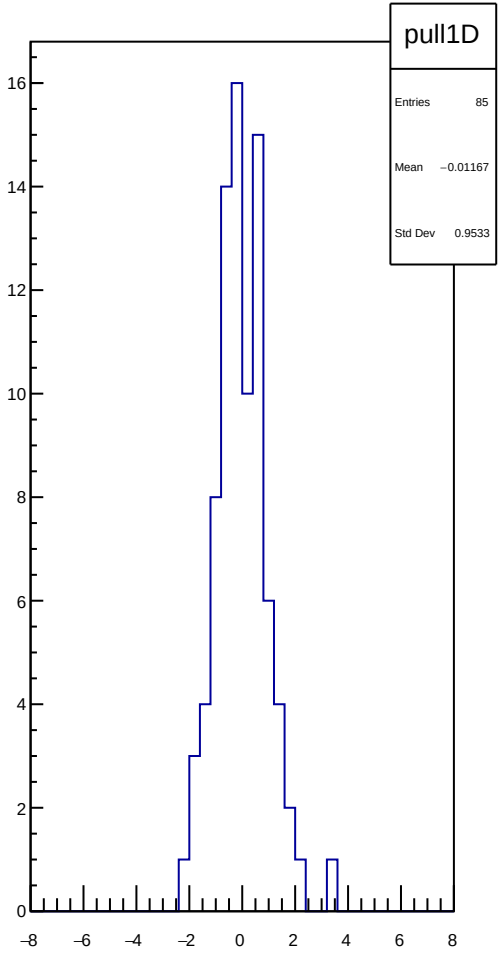

asym_sam6_rms vs run
χ² / ndf 2318 / 84
p0 1191 ± 0.928
1300
1250
1200
1150
1100

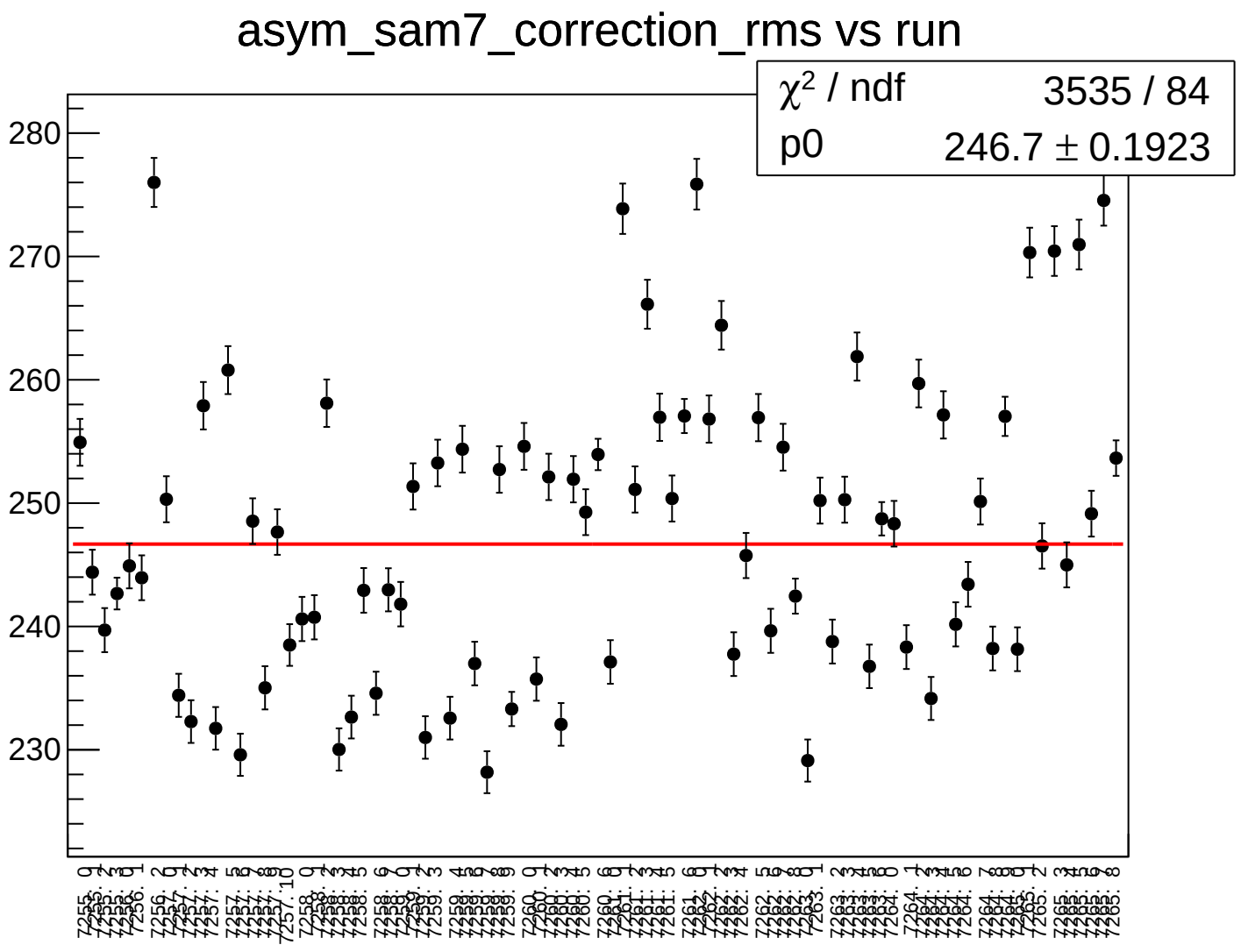

dit_asym_sam7_mean vs run
χ² / ndf 71.62 / 84
p0 −143.7 ± 75.05
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −303.1
Std Dev 347.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

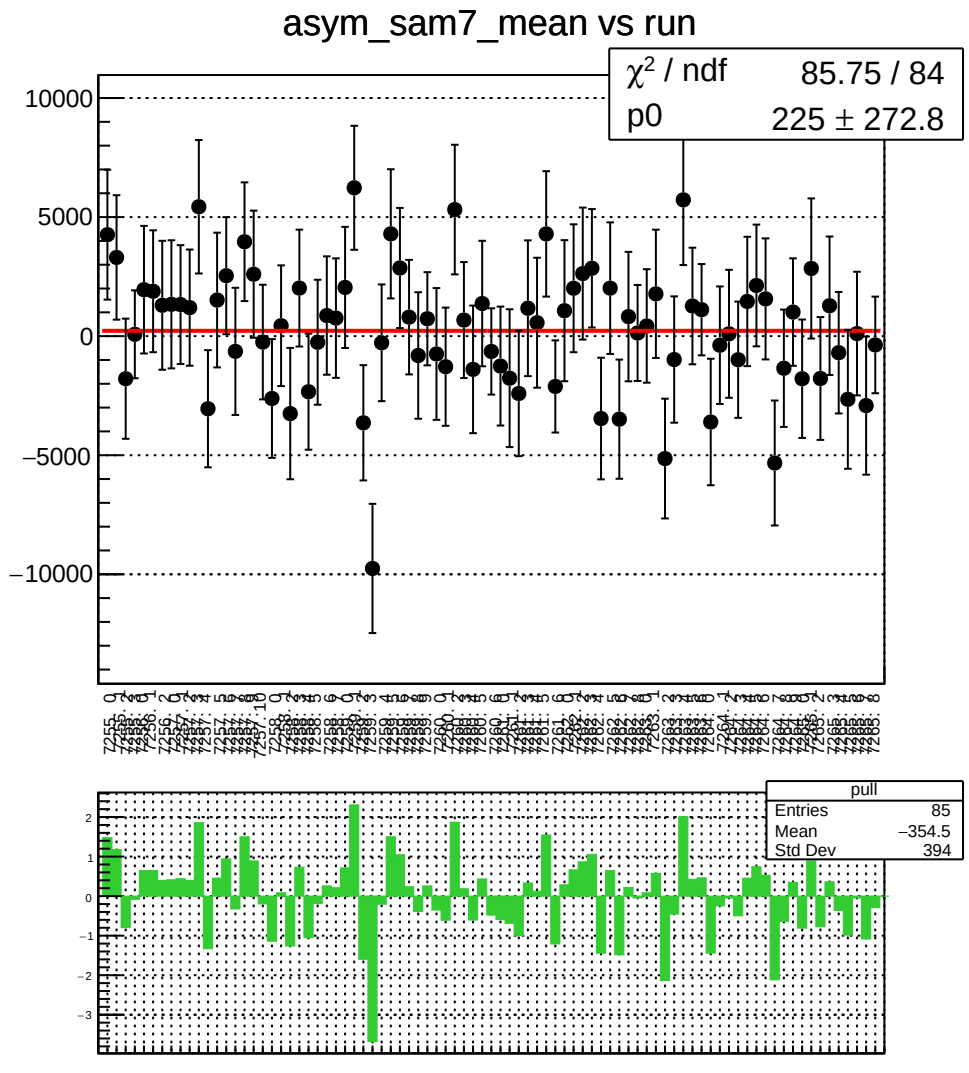

pull1D
Entries 85
Mean −0.005145
Std Dev 0.9179
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

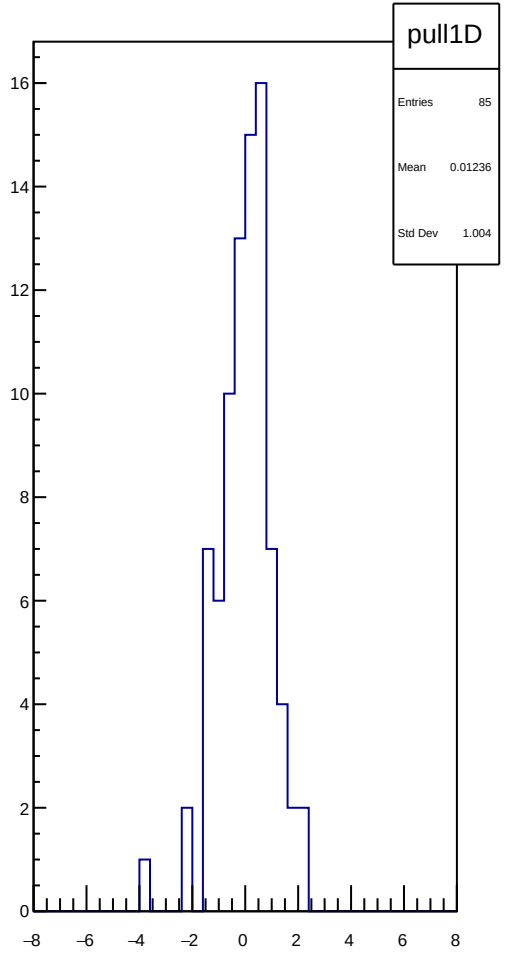

dit_asym_sam7_rms vs run
χ² / ndf 2.297e+04 / 84
p0 67.66 ± 0.05307
100
95
90
85
80
75
70
65
60

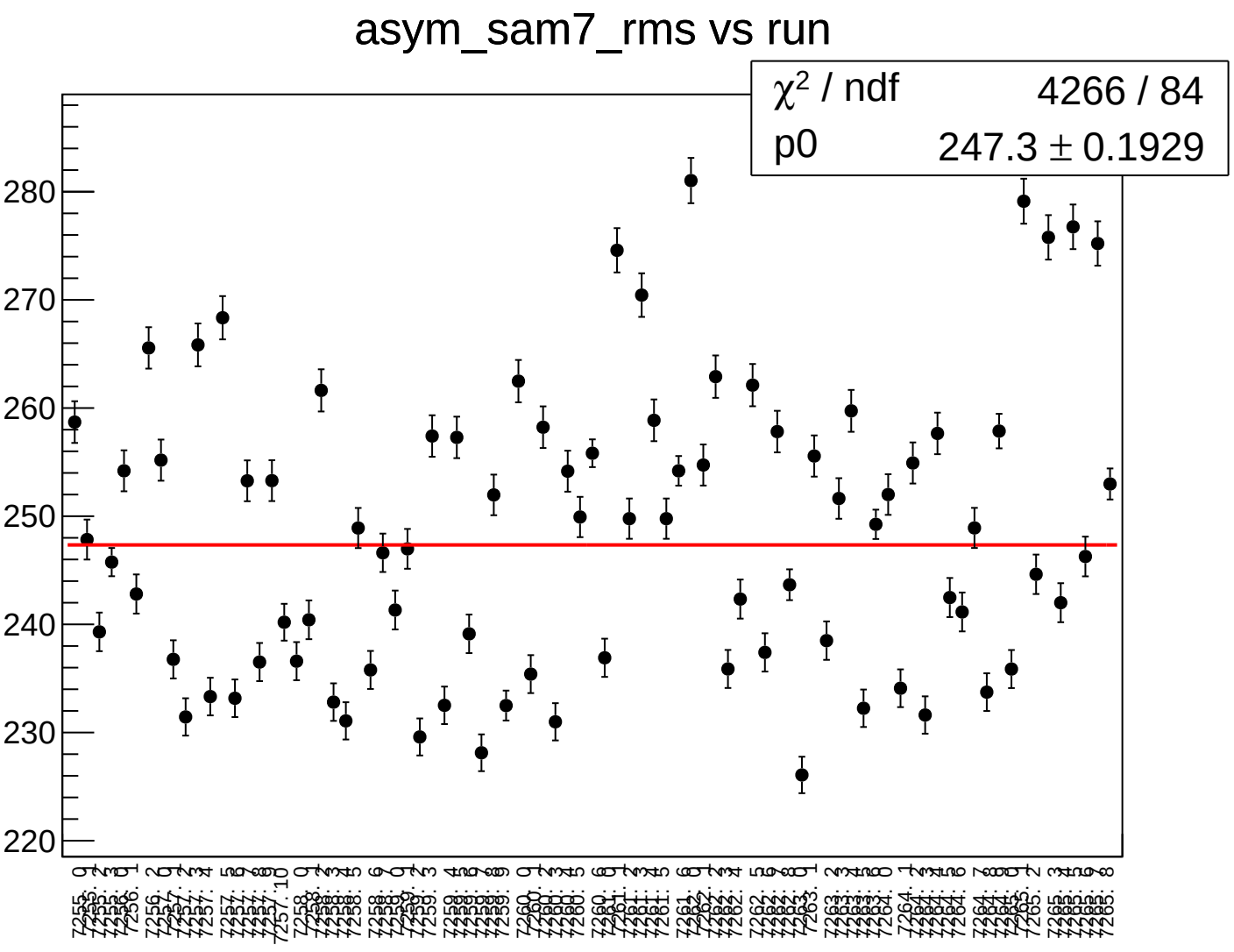

asym_sam7_correction_mean vs run
χ² / ndf 77.26 / 84
p0 −380.6 ± 272
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −419.4
Std Dev 459.4
3
2
1
0
−1
−2

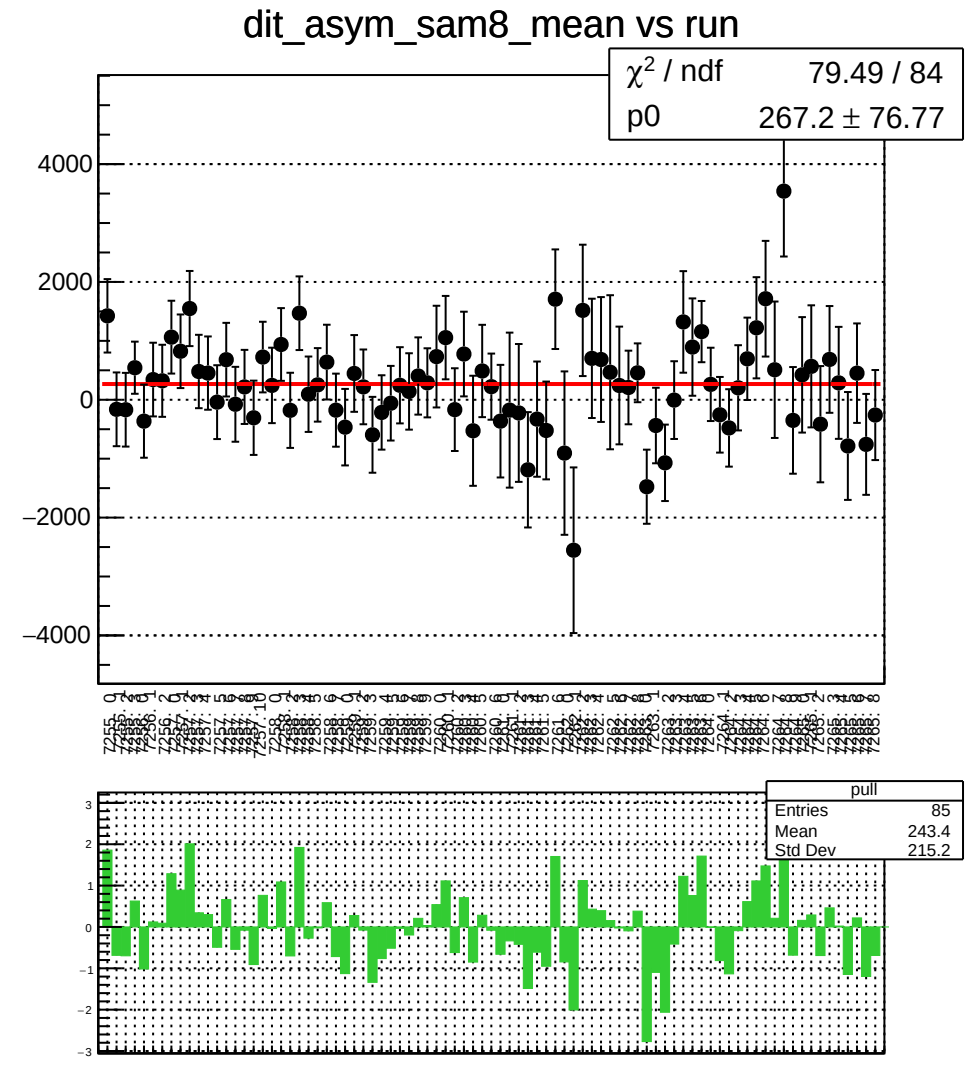

pull1D
Entries 85
Mean −0.01167
Std Dev 0.9533
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

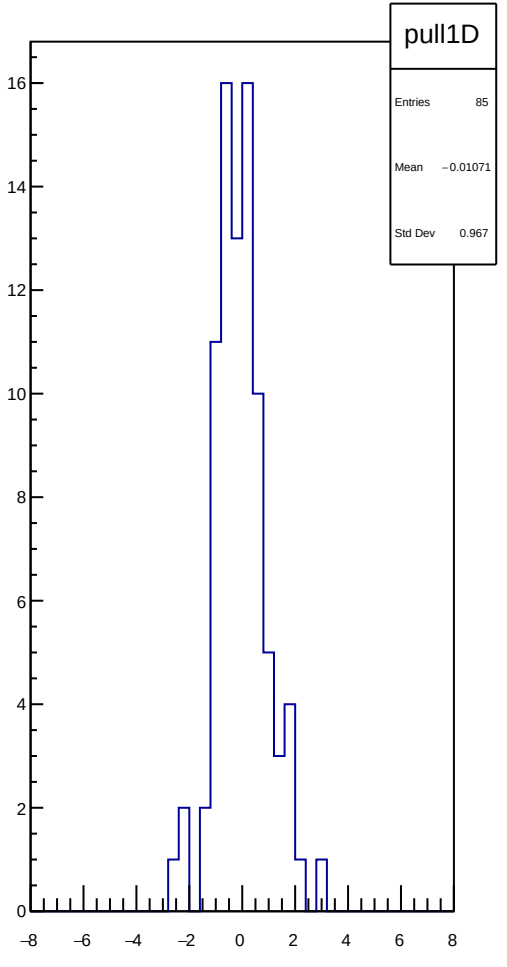

asym_sam7_correction_rms vs run
χ^2 / ndf 3535 / 84
p0 246.7 ± 0.1923
280
270
260
250
240
230

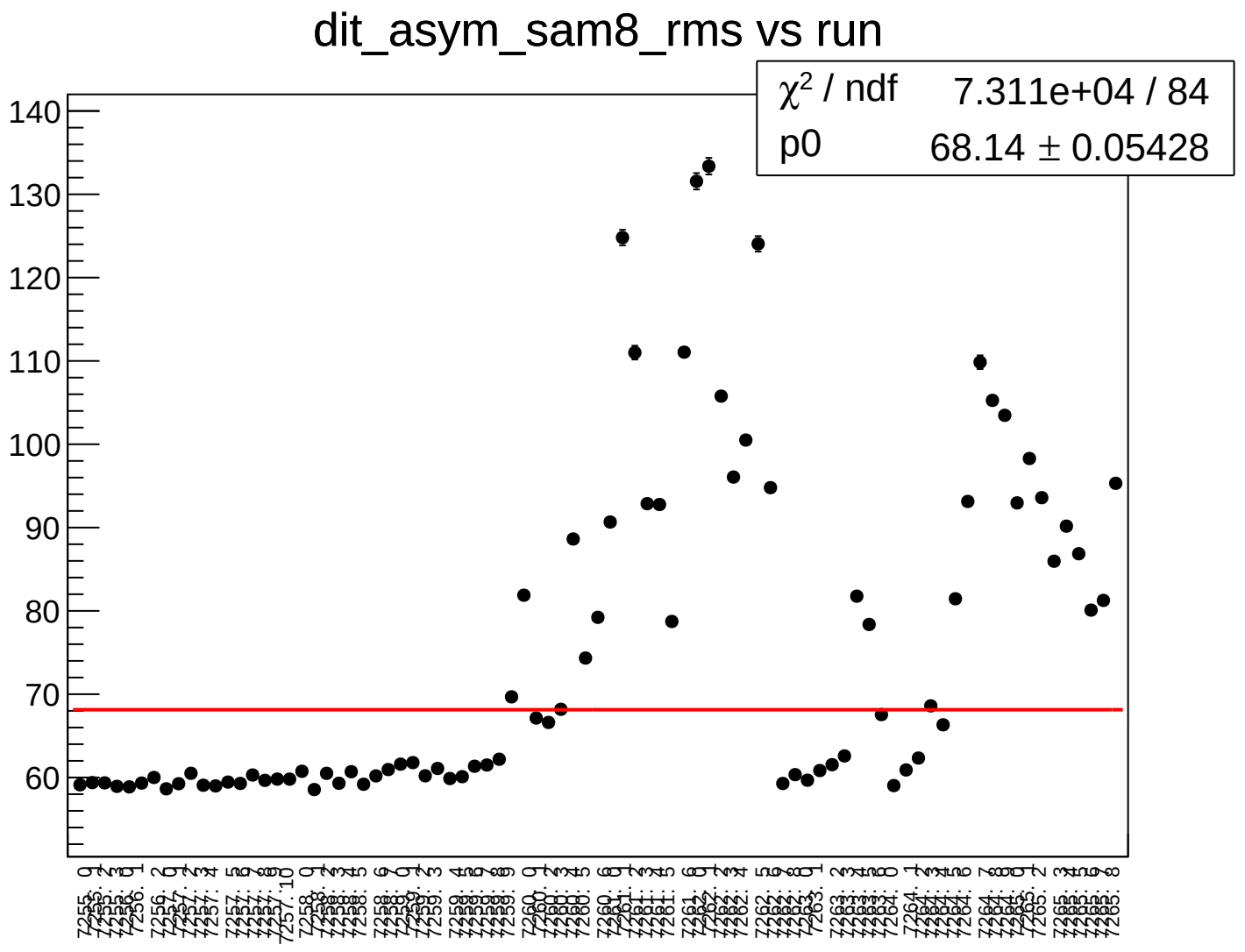

asym_sam7_mean vs run
χ² / ndf 85.75 / 84
p0 225 ± 272.8
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −354.5
Std Dev 394
2
1
0
−1
−2
−3

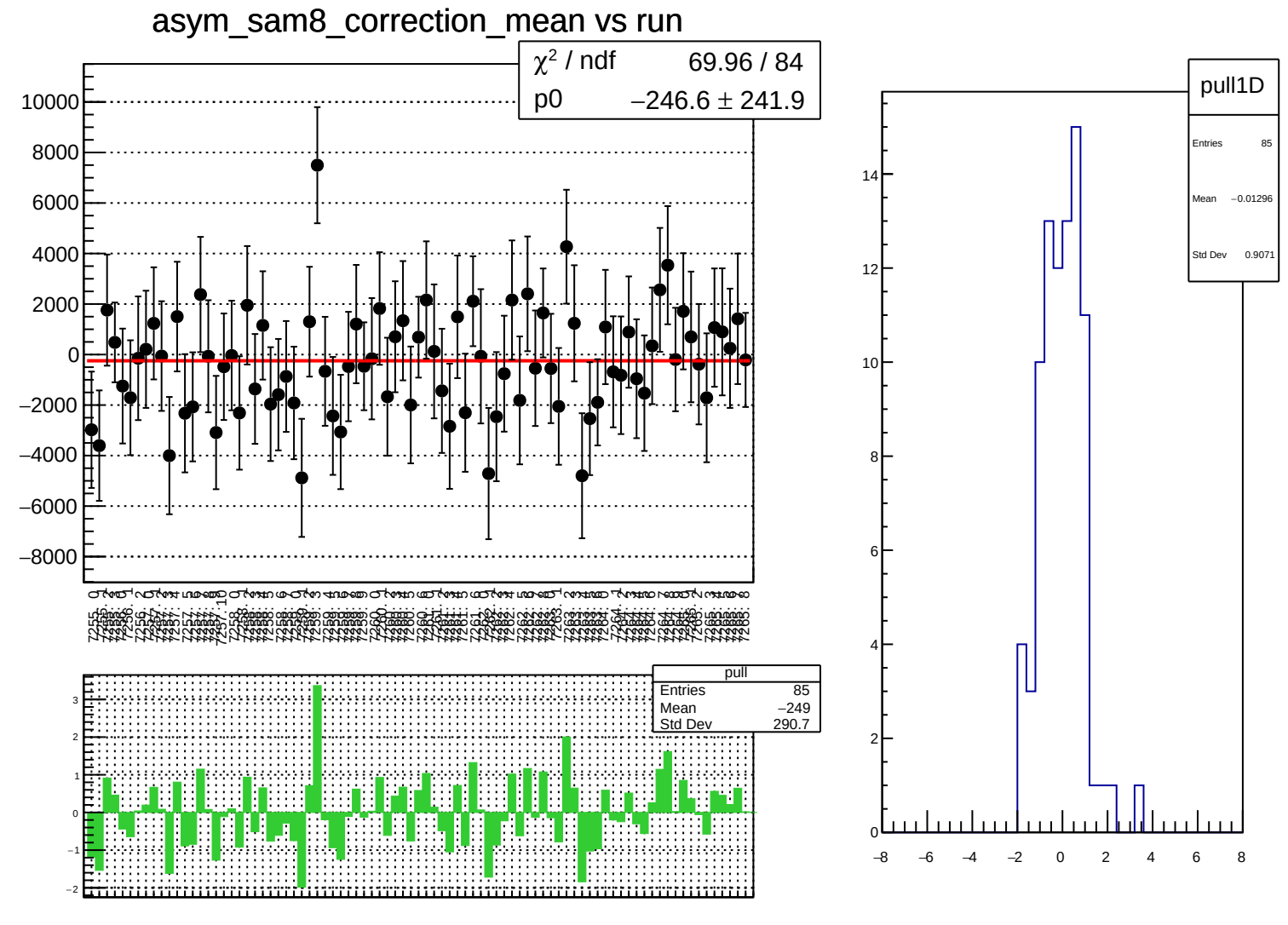

pull1D
Entries 85
Mean 0.01236
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

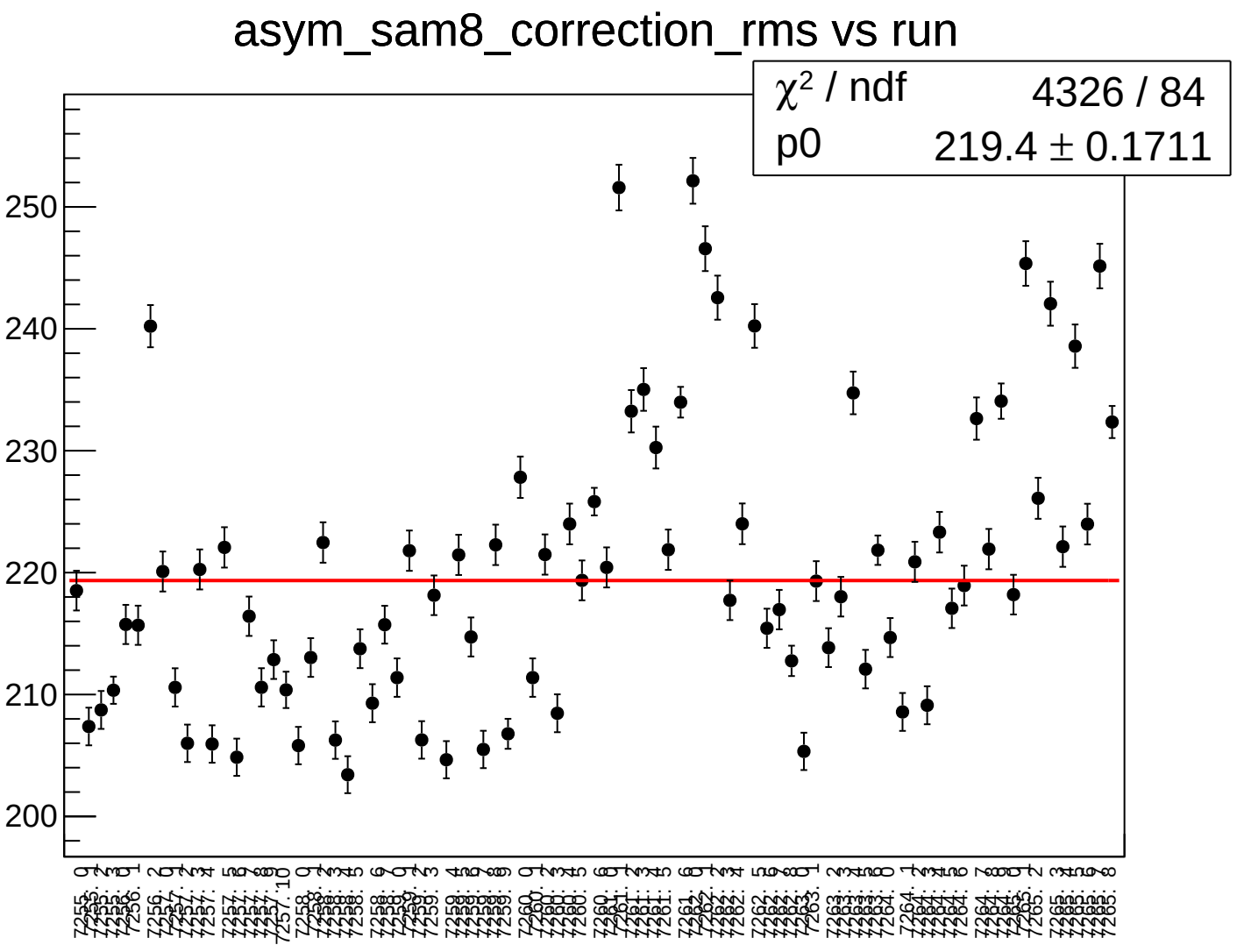

asym_sam7_rms vs run
χ^2 / ndf 4266 / 84
p0 247.3 ± 0.1929
280
270
260
250
240
230
220

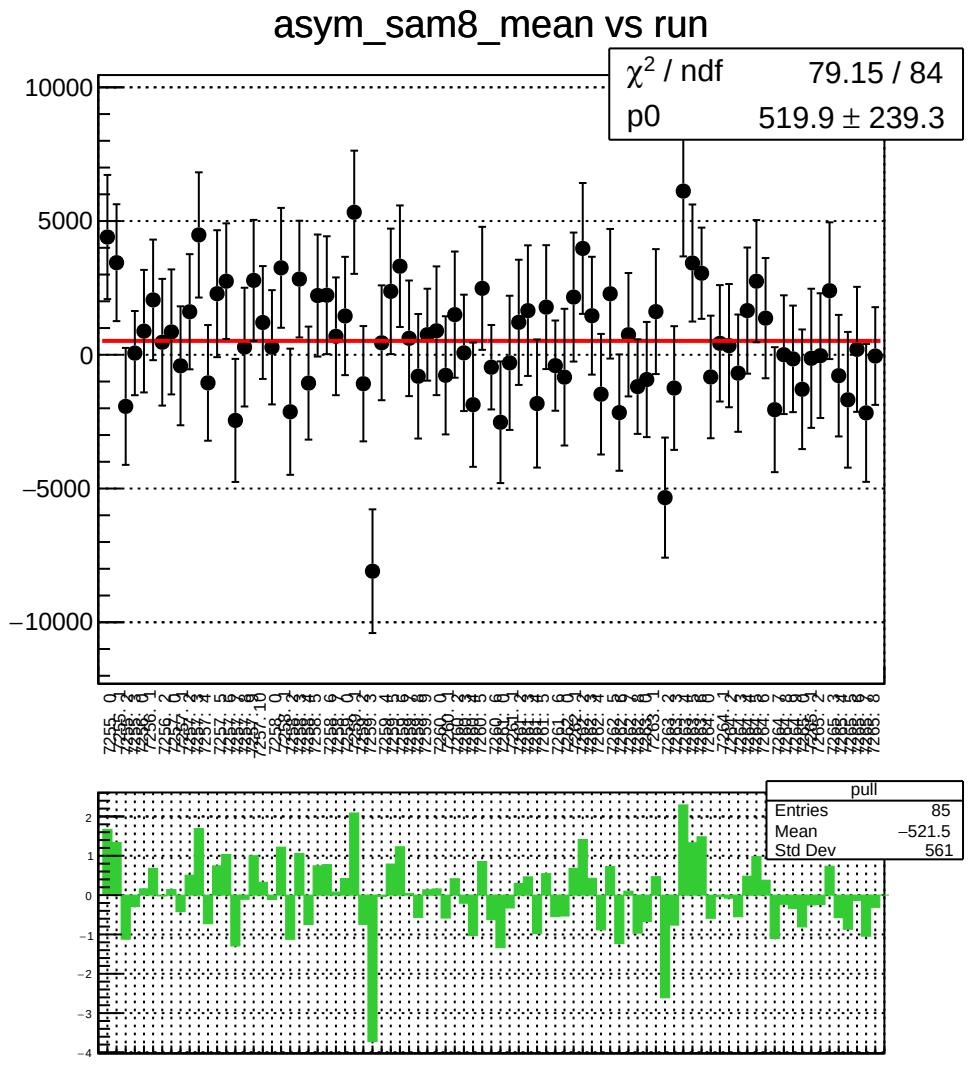

dit_asym_sam8_mean vs run
χ² / ndf 79.49 / 84
p0 267.2 ± 76.77
4000
2000
0
−2000
−4000
pull
Entries 85
Mean 243.4
Std Dev 215.2
3
2
1
0
−1
−2
−3

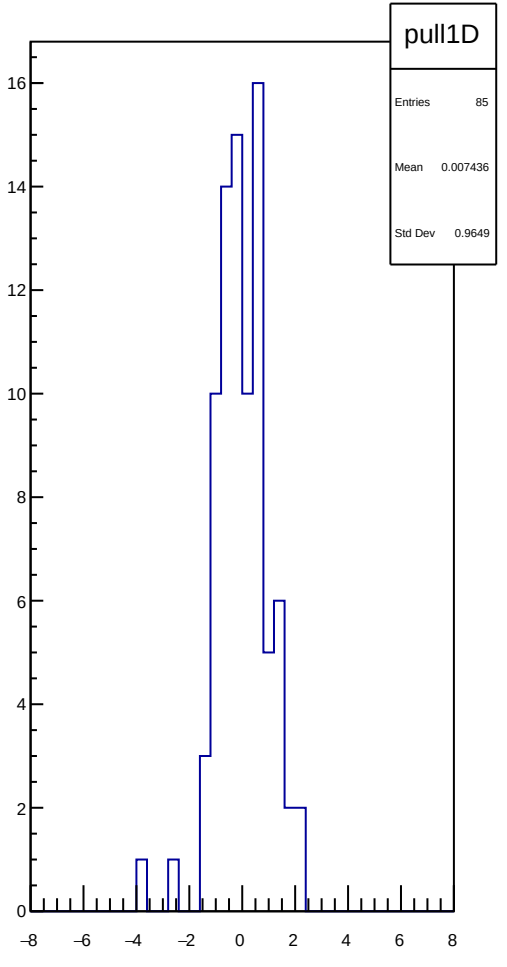

pull1D
Entries 85
Mean −0.01071
Std Dev 0.967
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

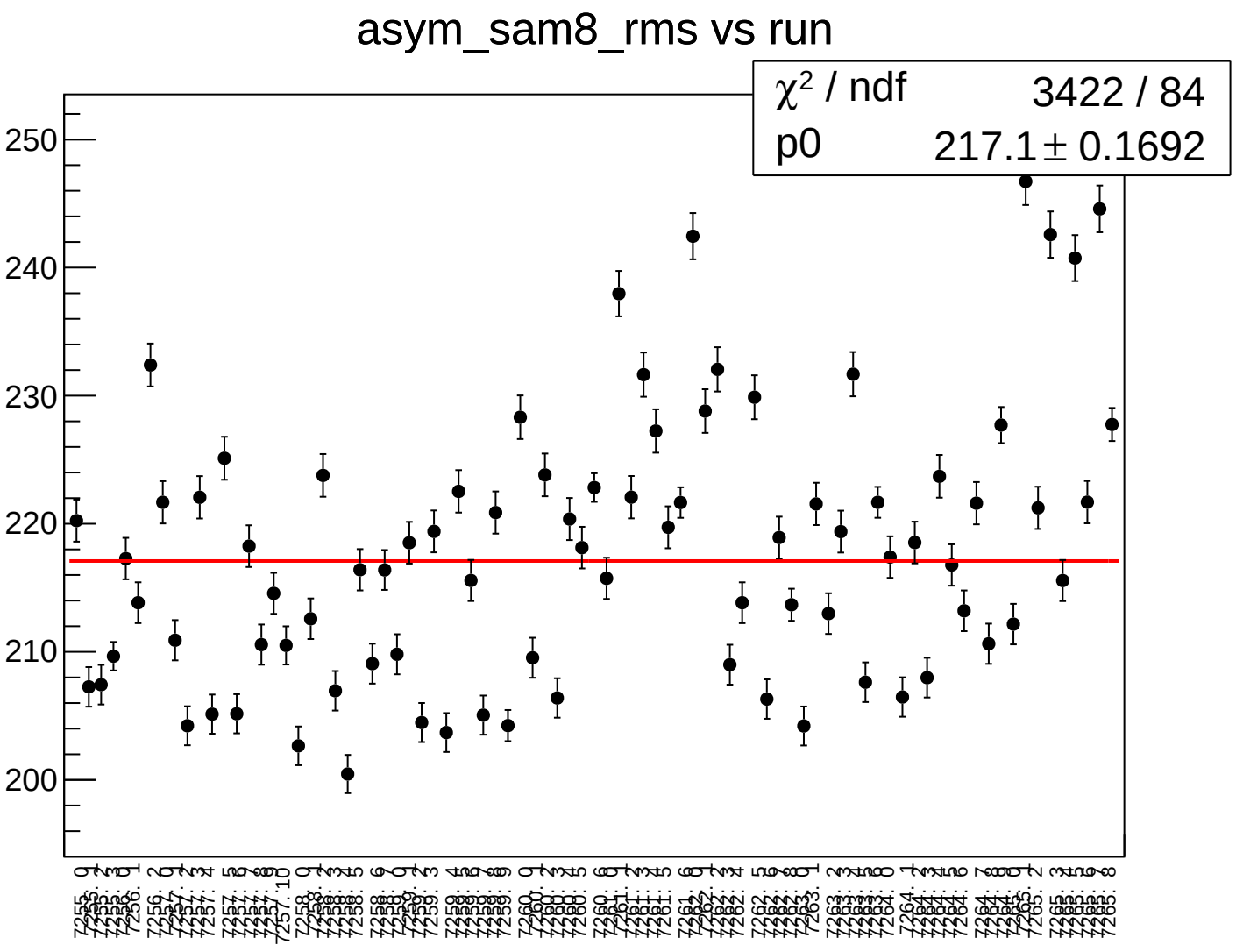

dit_asym_sam8_rms vs run
χ² / ndf 7.311e+04 / 84
p0 68.14 ± 0.05428
140
130
120
110
100
90
80
70
60

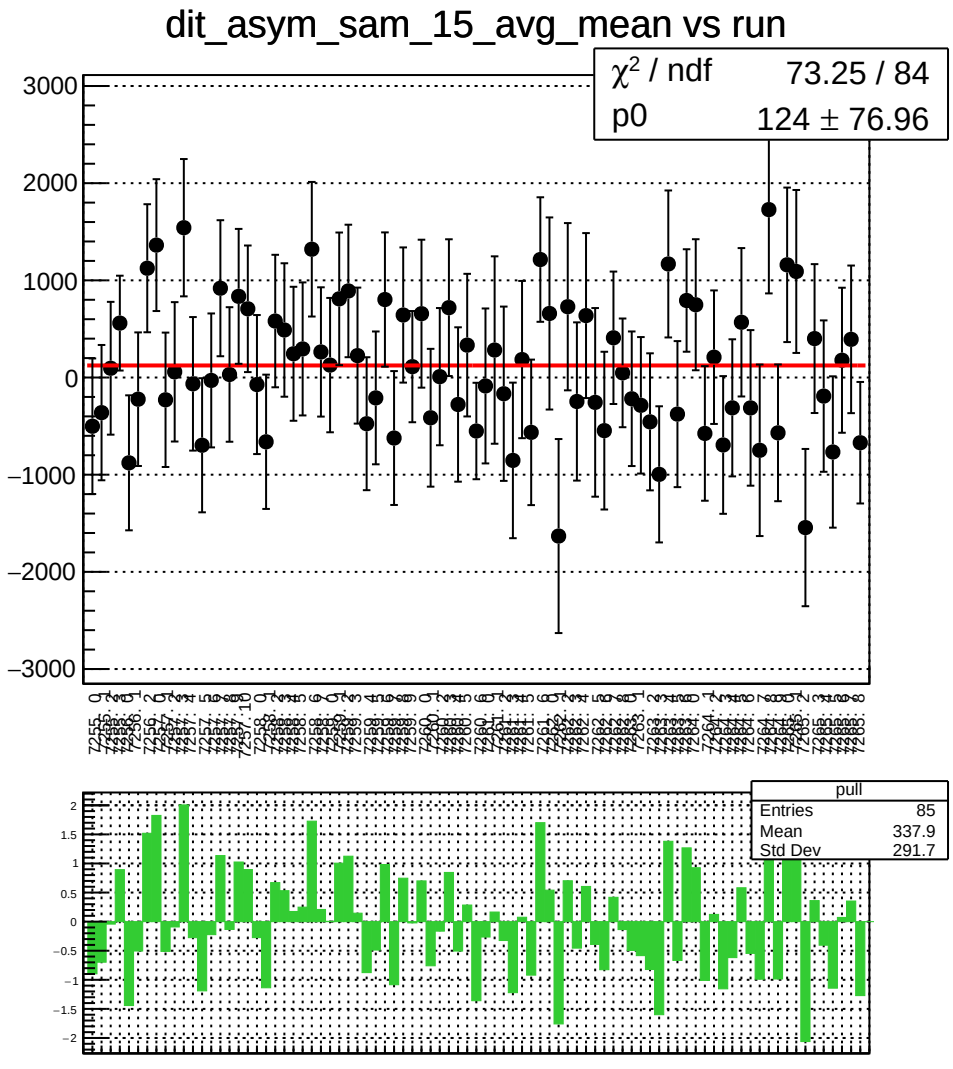

asym_sam8_correction_mean vs run
χ² / ndf 69.96 / 84
p0 −246.6 ± 241.9
pull
Entries 85
Mean −249
Std Dev 290.7
pull1D
Entries 85
Mean −0.01296
Std Dev 0.9071

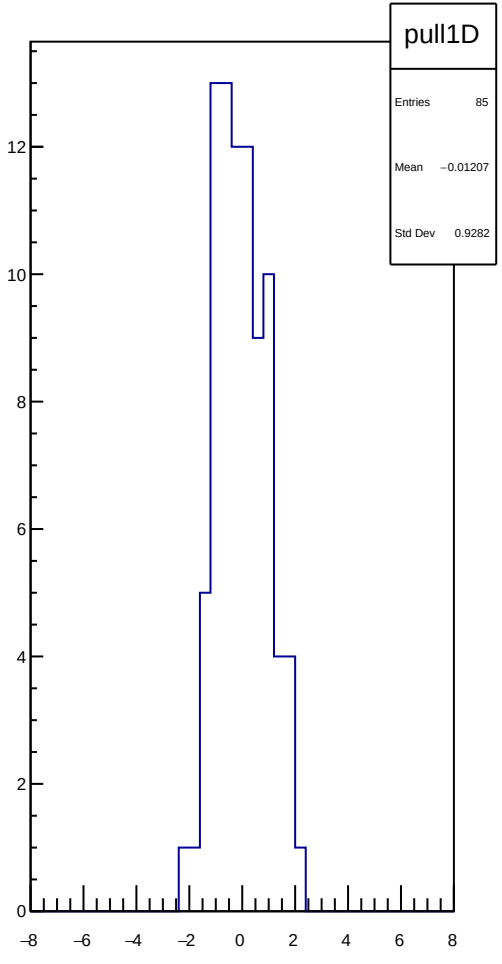

asym_sam8_correction_rms vs run
χ² / ndf 4326 / 84
p0 219.4 ± 0.1711
250
240
230
220
210
200

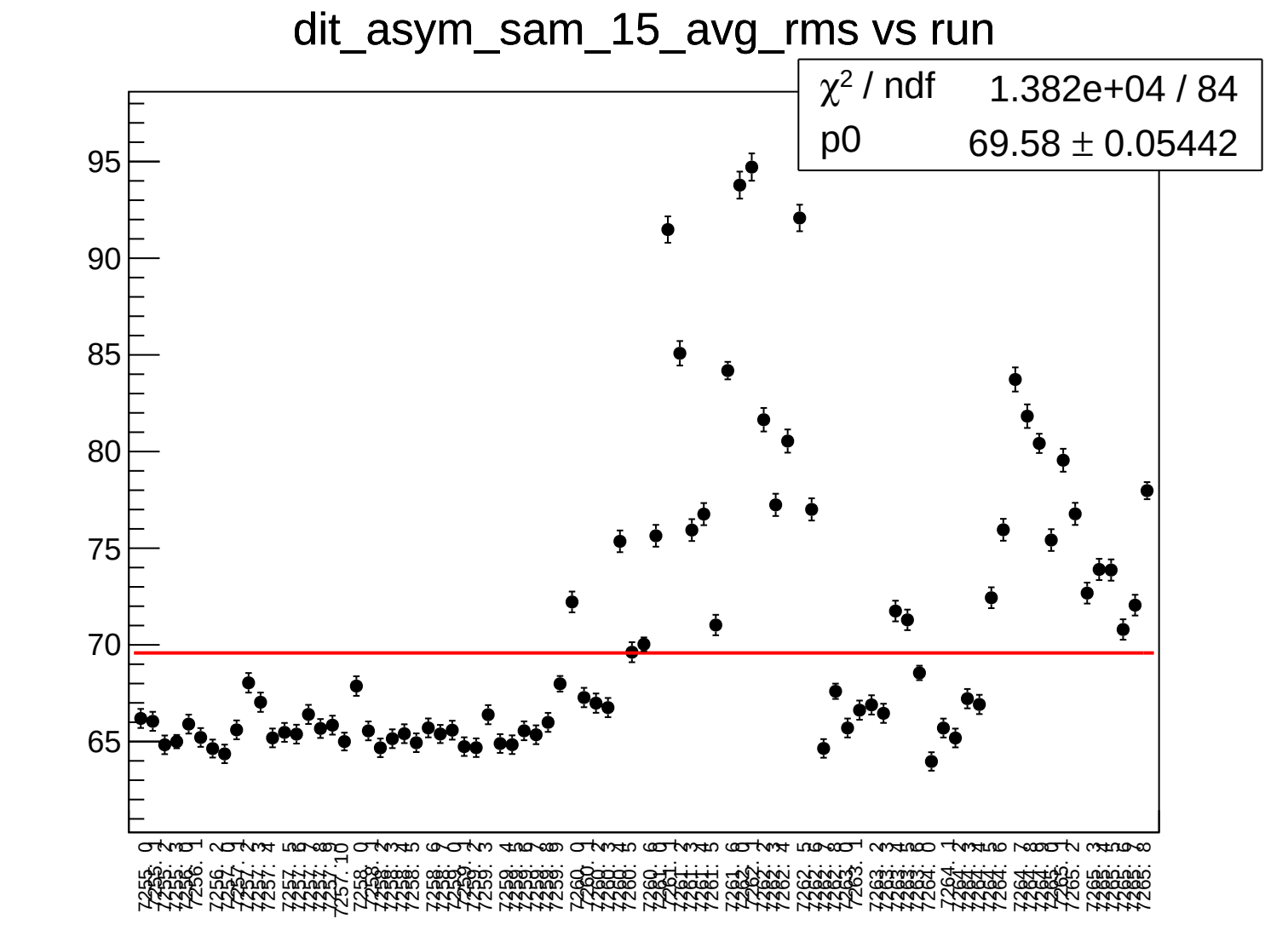

asym_sam8_mean vs run
χ² / ndf 79.15 / 84
p0 519.9 ± 239.3
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −521.5
Std Dev 561
2
1
0
−1
−2
−3
−4

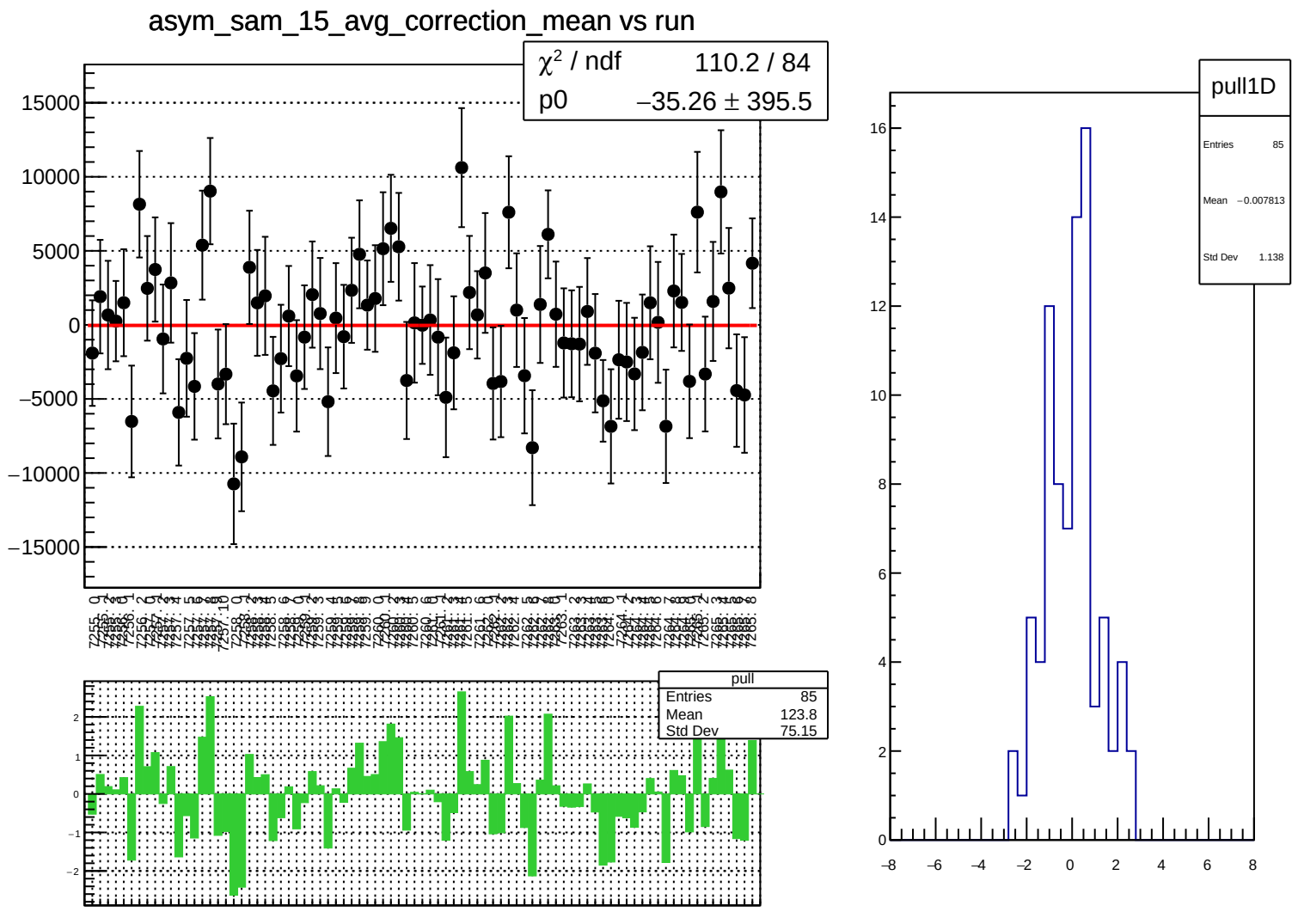

pull1D
Entries 85
Mean 0.007436
Std Dev 0.9649
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

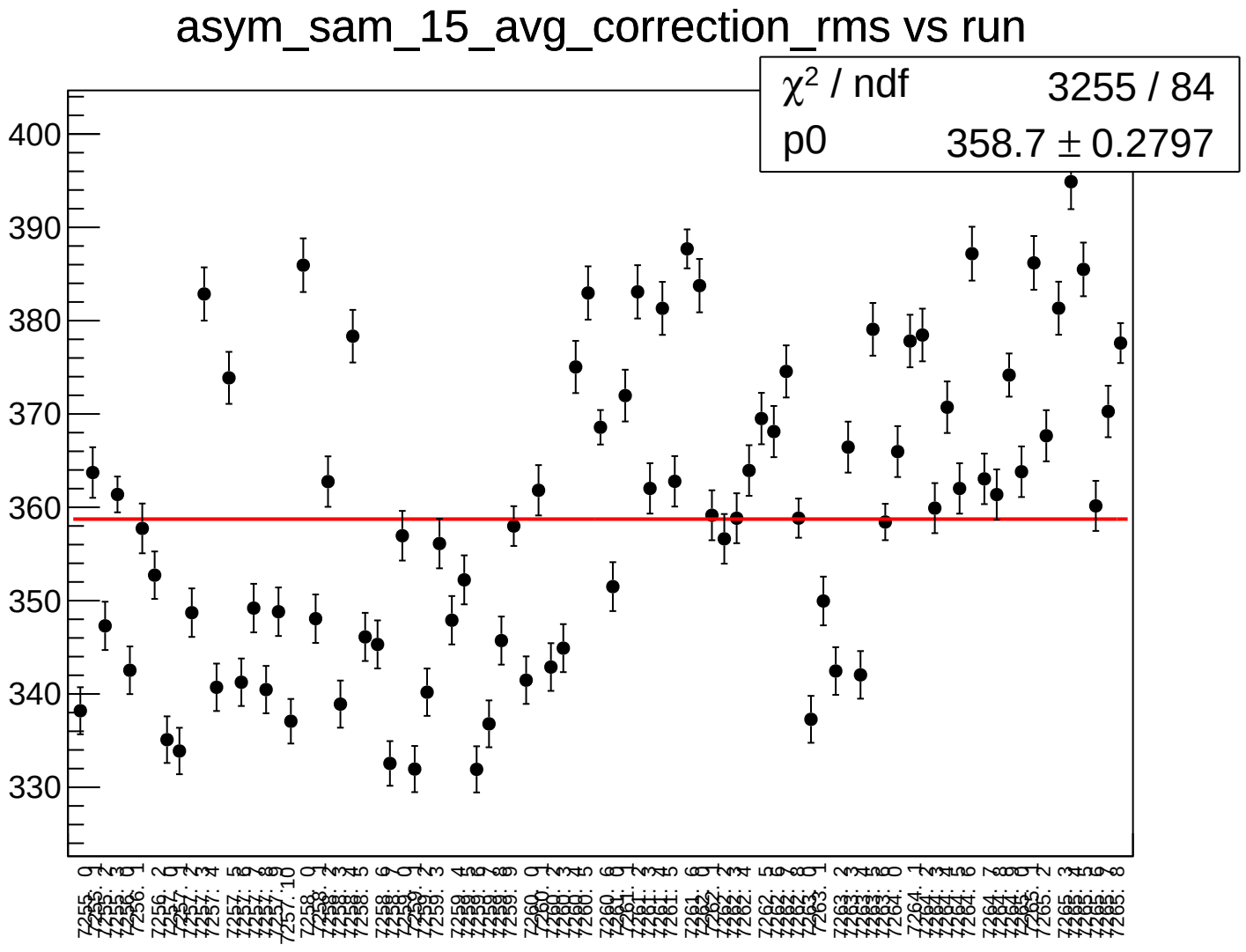

asym_sam8_rms vs run
χ² / ndf 3422 / 84
p0 217.1 ± 0.1692
250
240
230
220
210
200

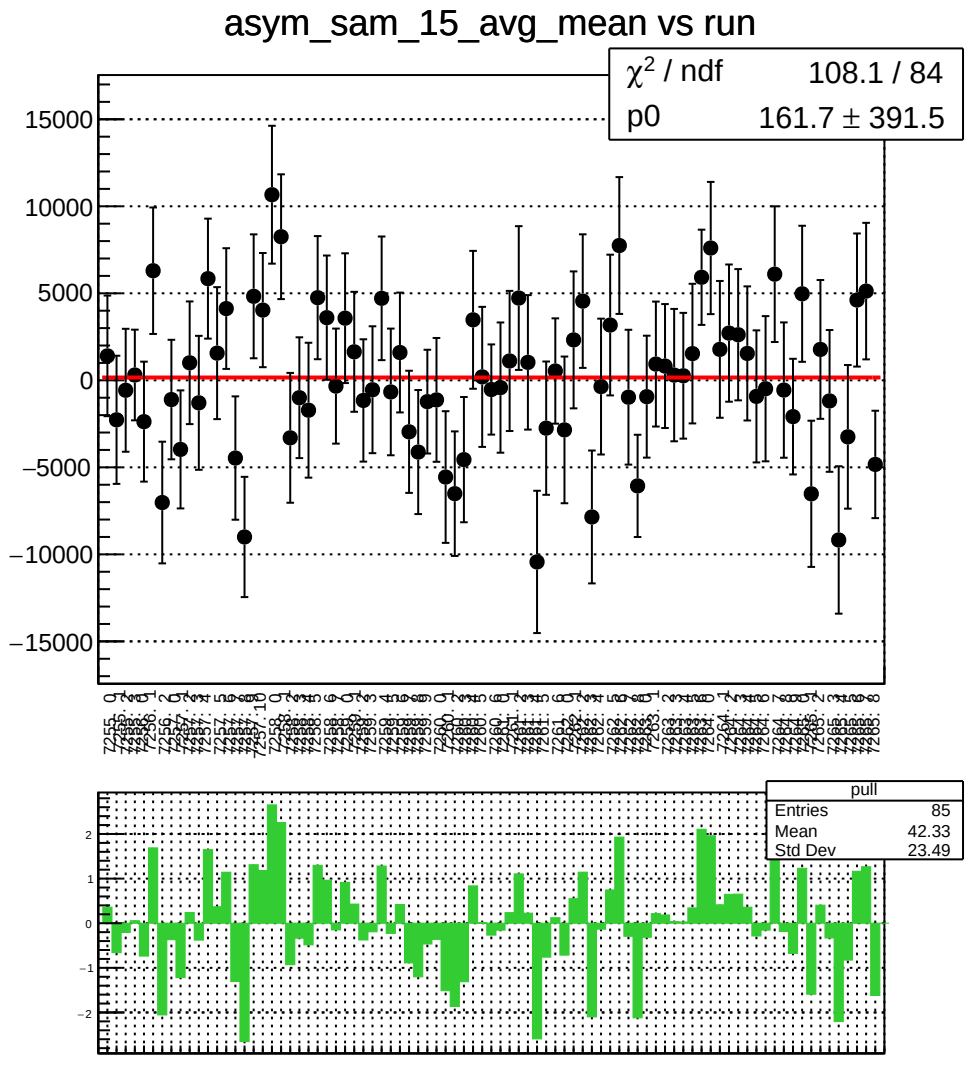

dit_asym_sam_15_avg_mean vs run
χ² / ndf 73.25 / 84
p0 124 ± 76.96
pull
Entries 85
Mean 337.9
Std Dev 291.7

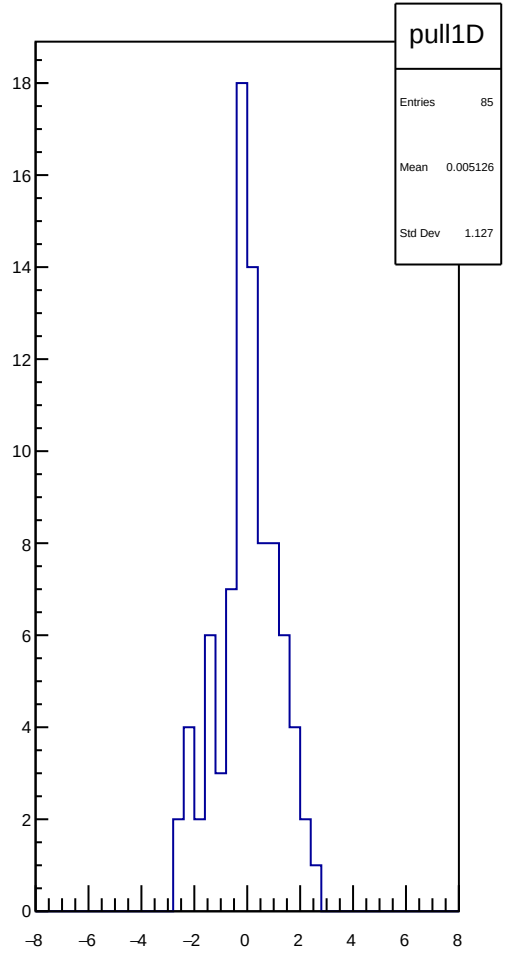

pull1D
Entries 85
Mean −0.01207
Std Dev 0.9282

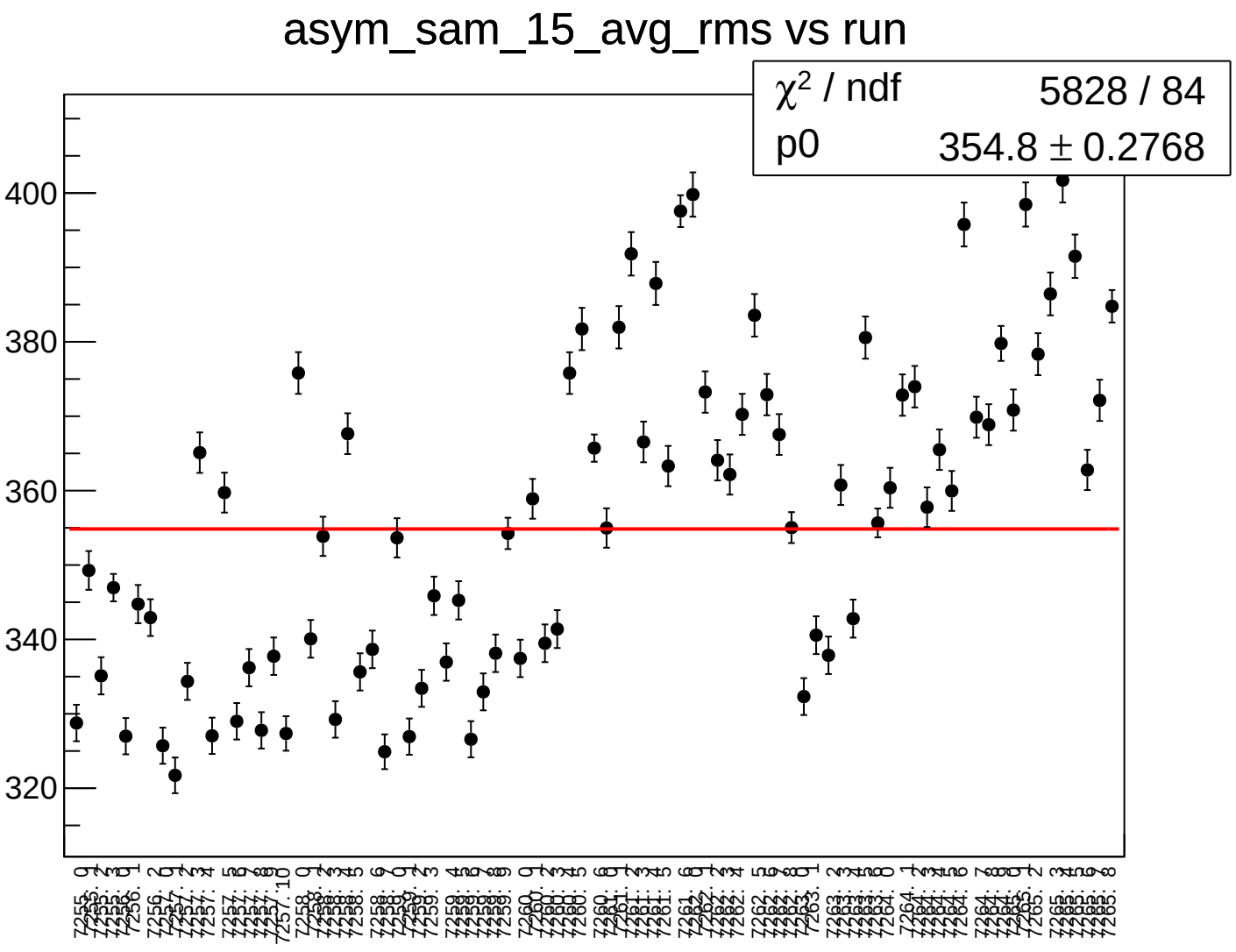

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.382e+04 / 84
p0 69.58 ± 0.05442
95
90
85
80
75
70
65

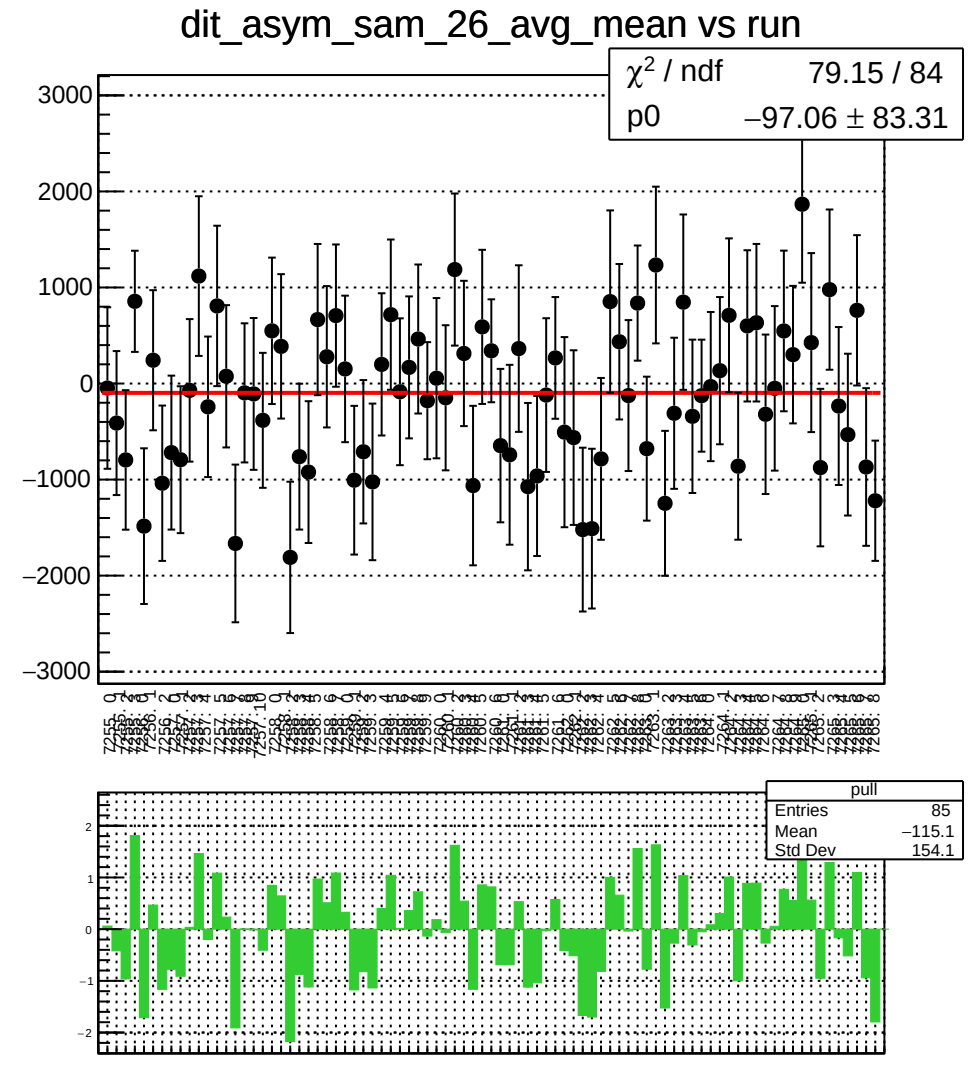

asym_sam_15_avg_correction_mean vs run
χ² / ndf 110.2 / 84
p0 −35.26 ± 395.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 123.8
Std Dev 75.15
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.007813
Std Dev 1.138
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

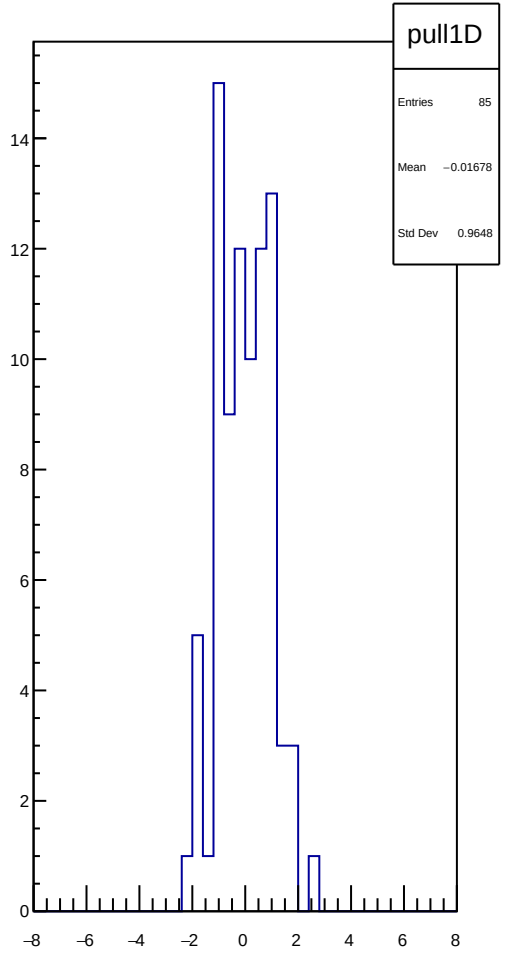

asym_sam_15_avg_correction_rms vs run
χ² / ndf 3255 / 84
p0 358.7 ± 0.2797
400
390
380
370
360
350
340
330

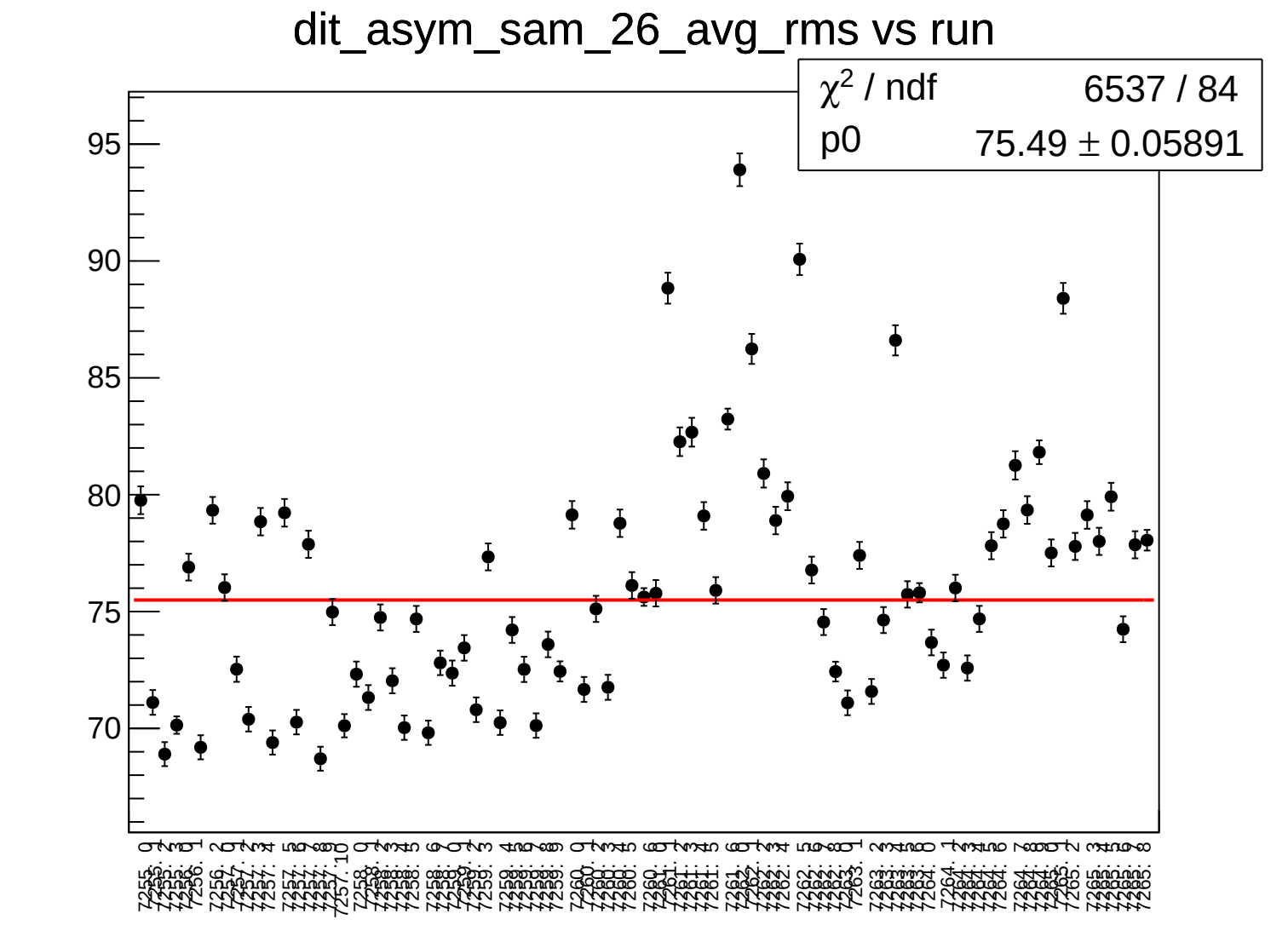

asym_sam_15_avg_mean vs run
χ² / ndf 108.1 / 84
p0 161.7 ± 391.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 42.33
Std Dev 23.49
2
1
0
−1
−2

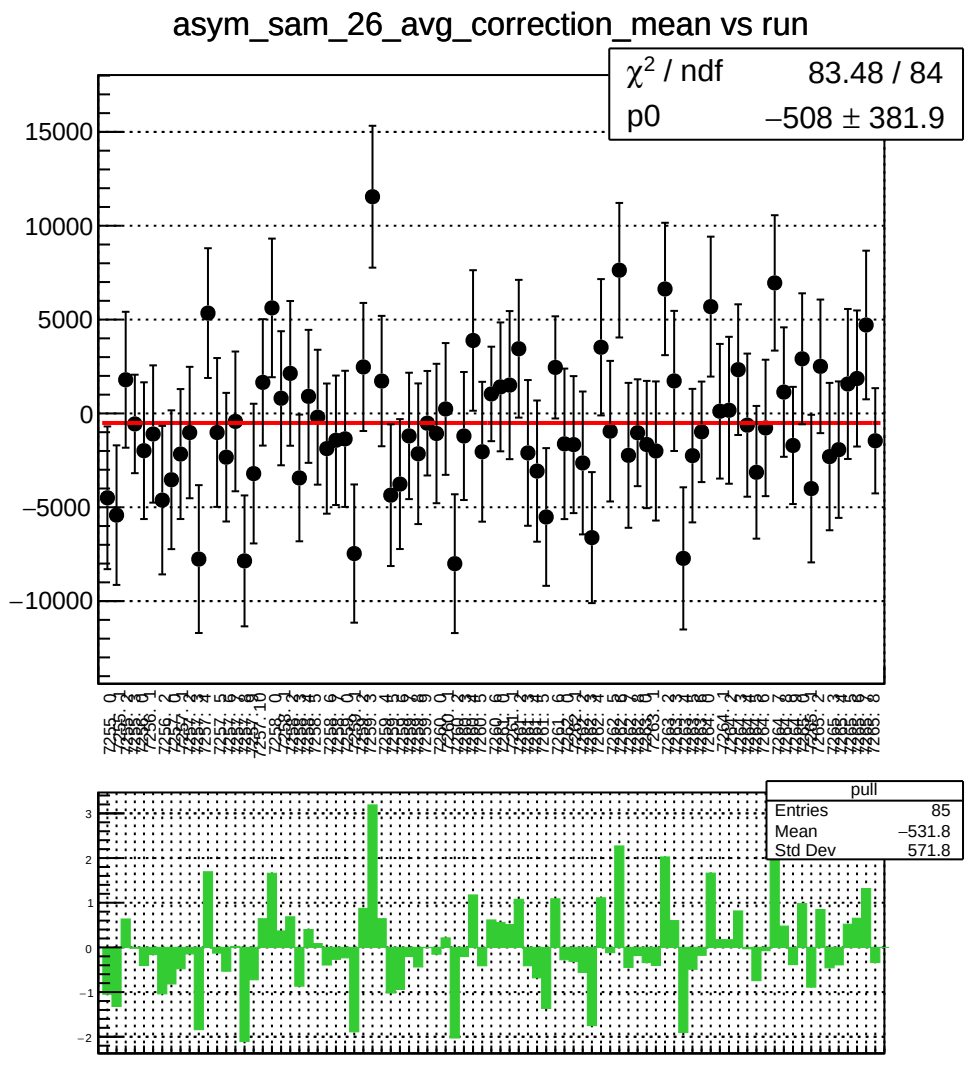

pull1D
Entries 85
Mean 0.005126
Std Dev 1.127
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

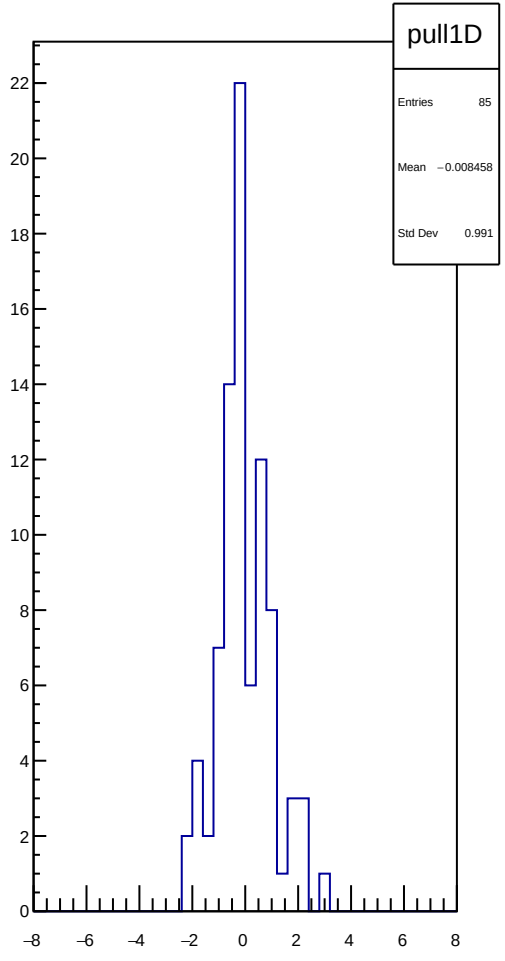

asym_sam_15_avg_rms vs run
χ² / ndf 5828 / 84
p0 354.8 ± 0.2768
400
380
360
340
320

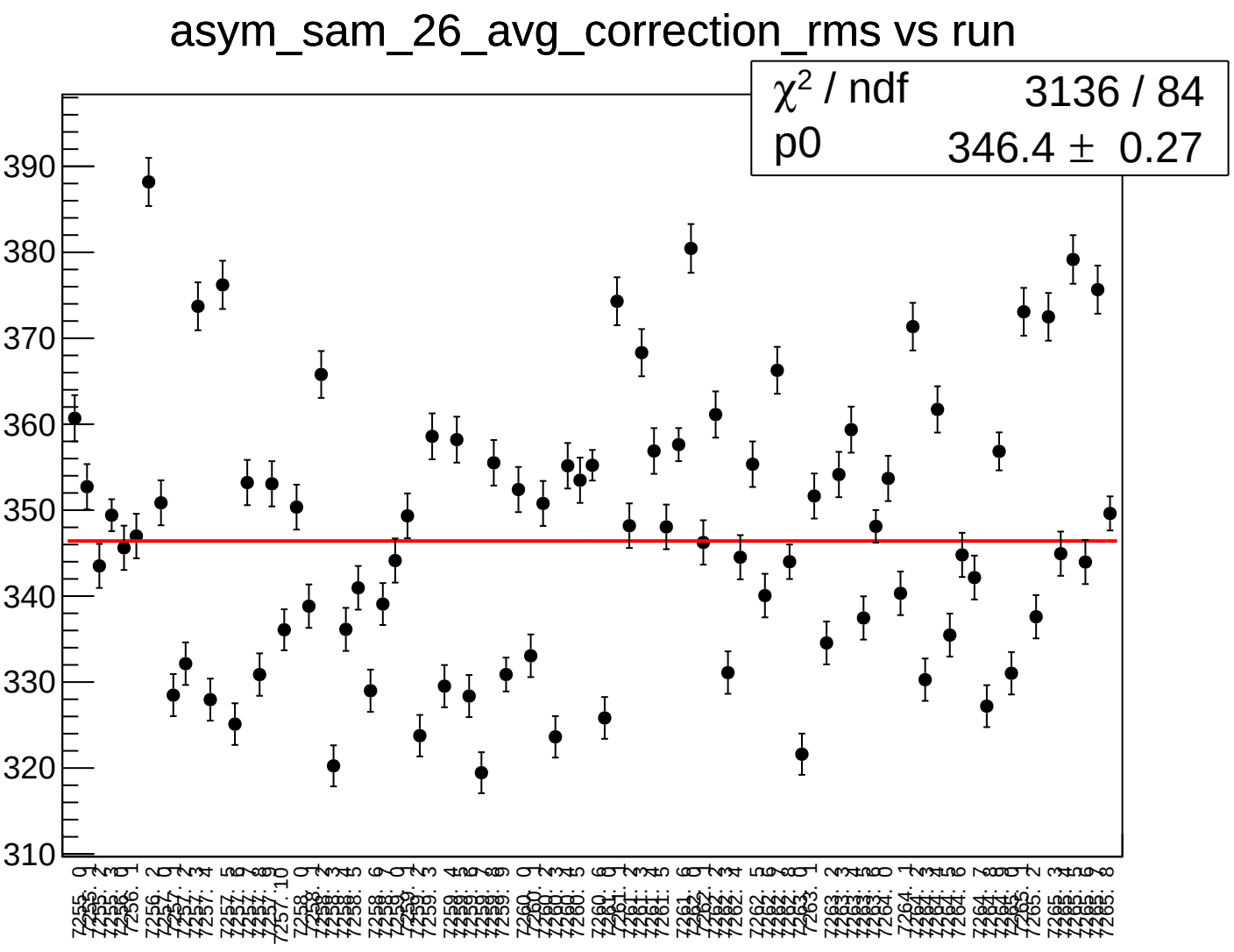

dit_asym_sam_26_avg_mean vs run
χ² / ndf 79.15 / 84
p0 −97.06 ± 83.31
pull
Entries 85
Mean −115.1
Std Dev 154.1

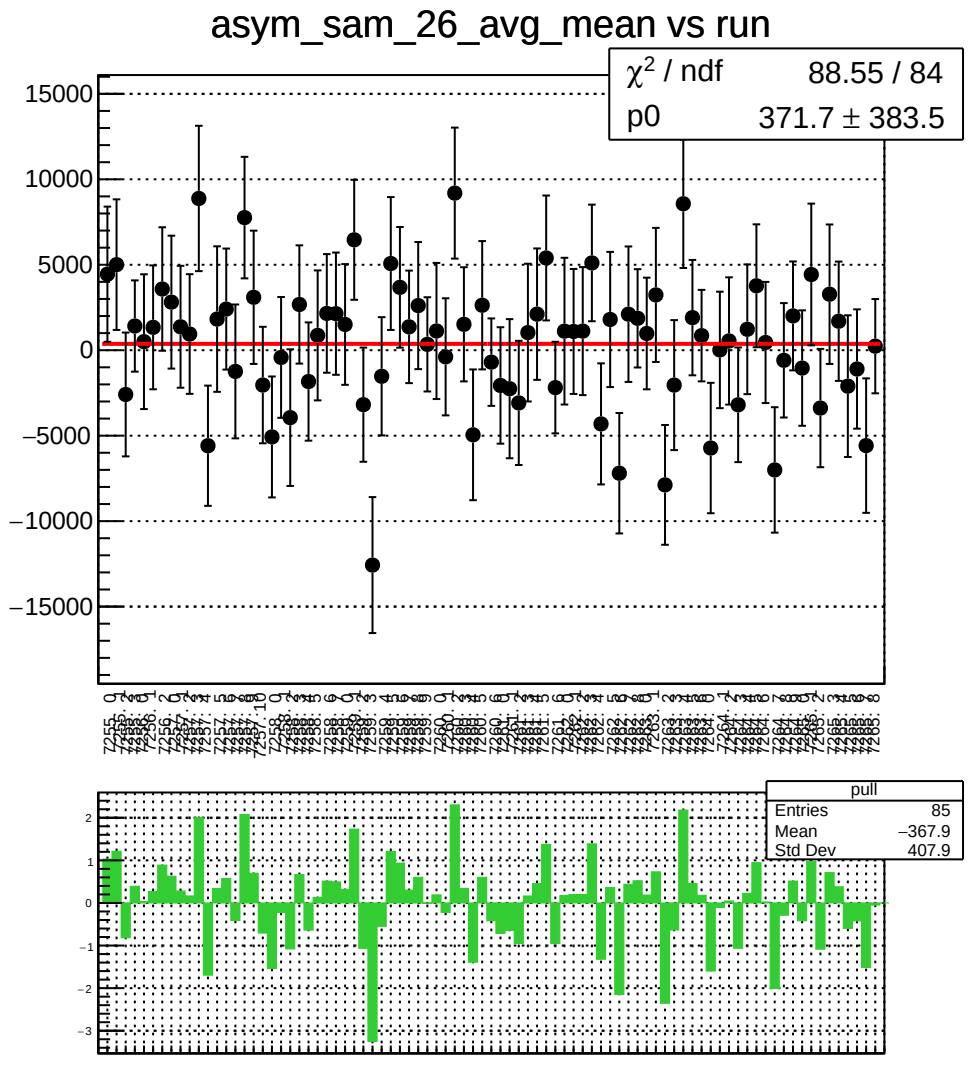

pull1D
Entries 85
Mean −0.01678
Std Dev 0.9648

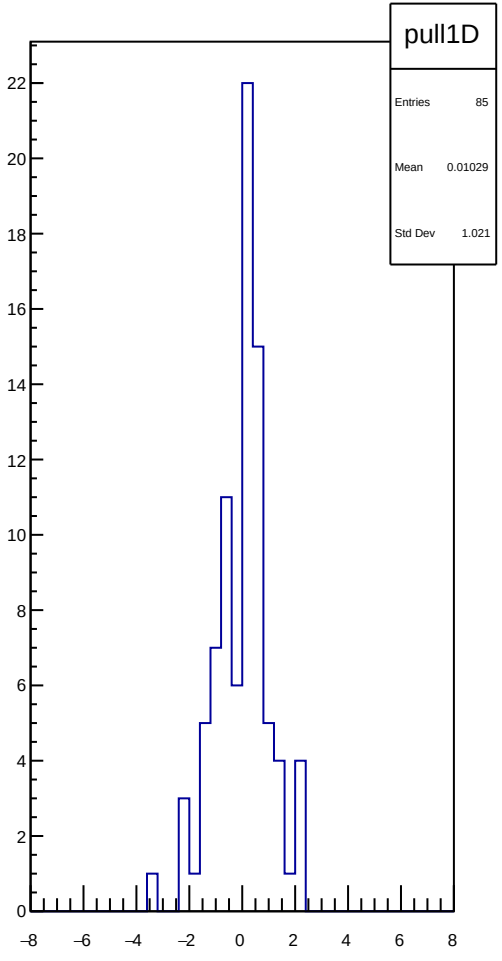

dit_asym_sam_26_avg_rms vs run
χ^2 / ndf 6537 / 84
p0 75.49 ± 0.05891
95
90
85
80
75
70

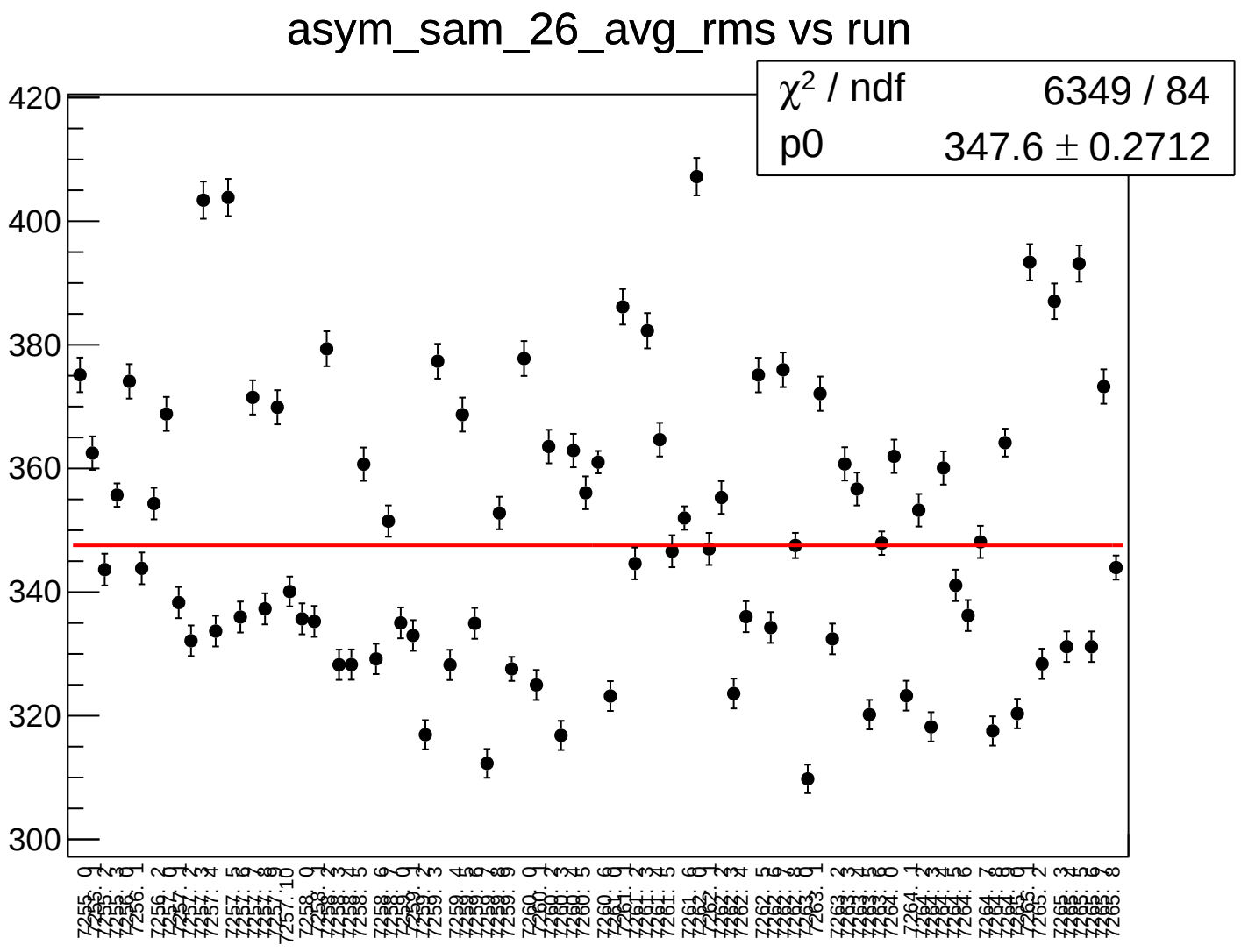

asym_sam_26_avg_correction_mean vs run
χ² / ndf 83.48 / 84
p0 −508 ± 381.9
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −531.8
Std Dev 571.8
3
2
1
0
−1
−2

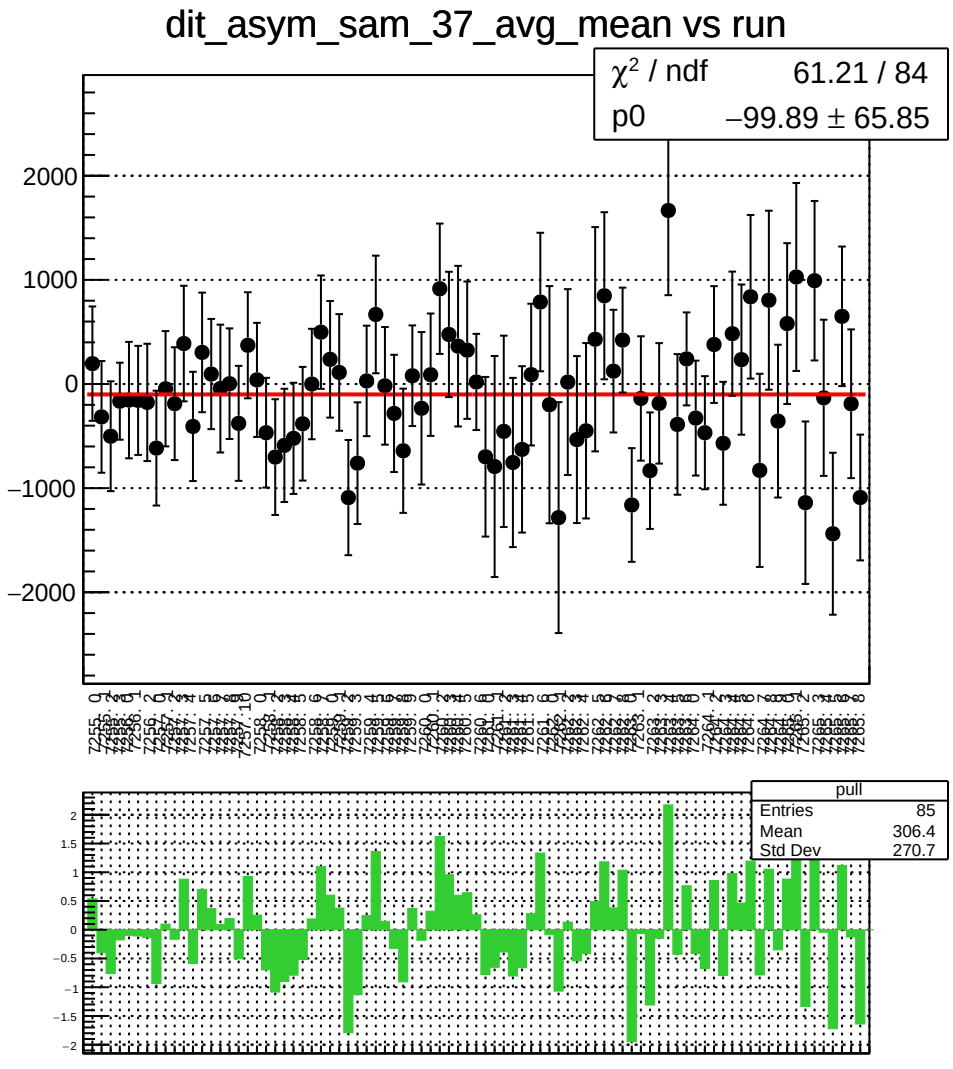

pull1D
Entries 85
Mean −0.008458
Std Dev 0.991
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

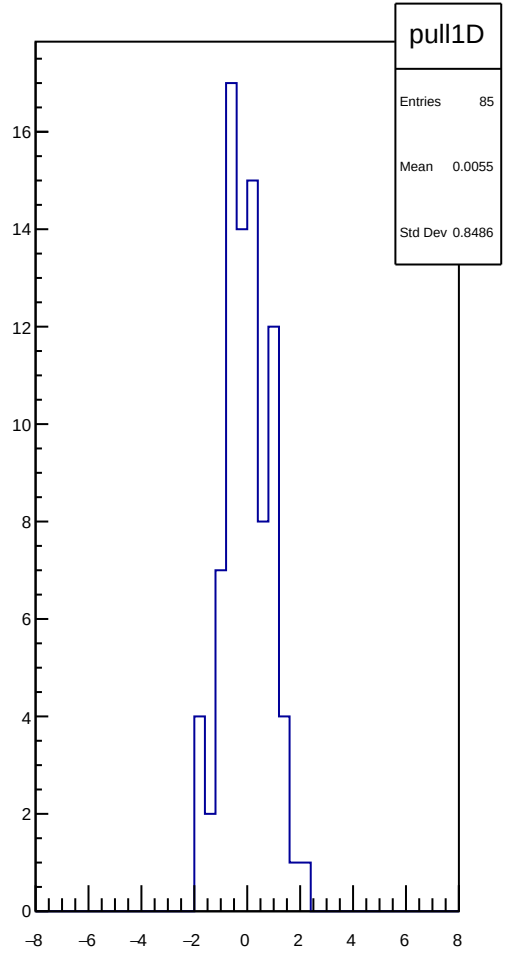

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3136 / 84
p0 346.4 ± 0.27
390
380
370
360
350
340
330
320
310

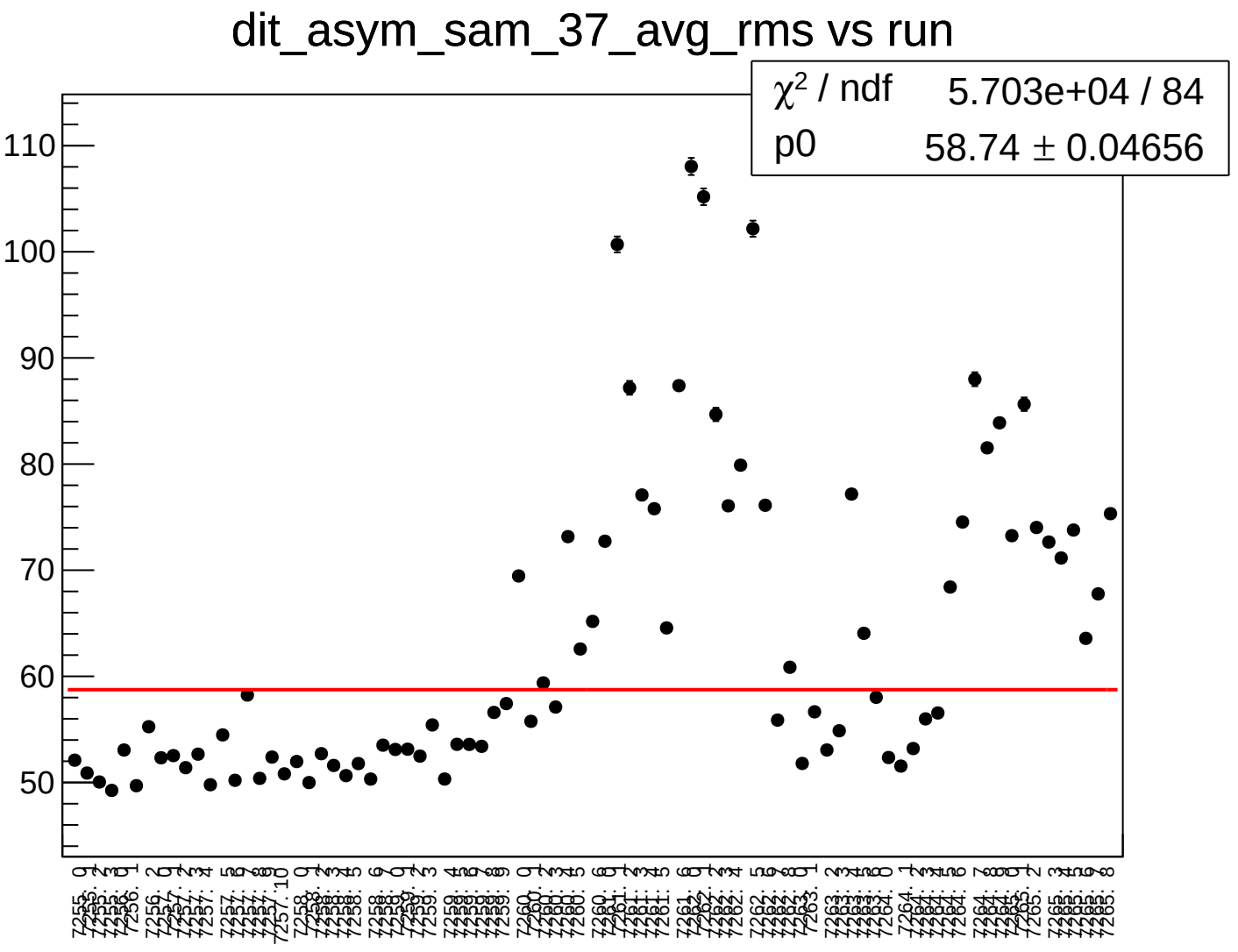

asym_sam_26_avg_mean vs run
χ² / ndf 88.55 / 84
p0 371.7 ± 383.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −367.9
Std Dev 407.9
2
1
0
−1
−2
−3

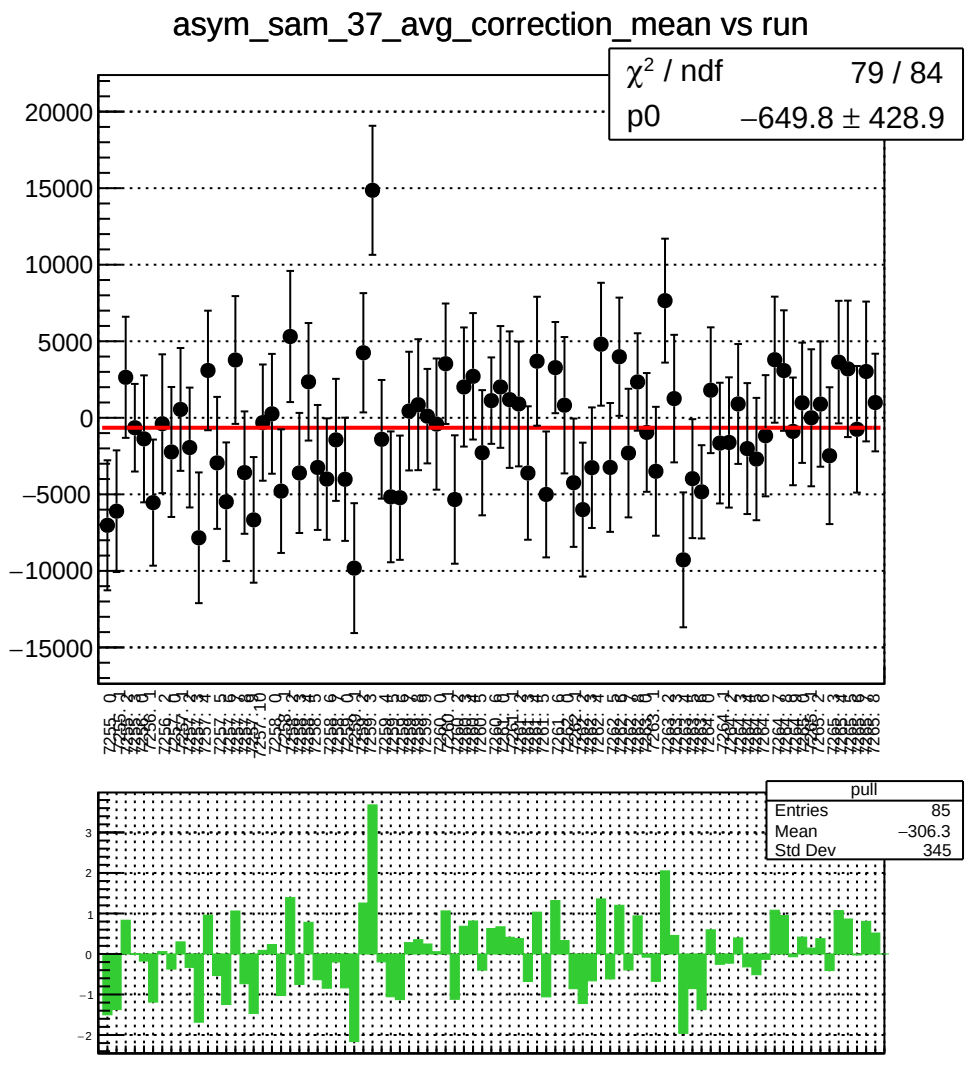

pull1D
Entries 85
Mean 0.01029
Std Dev 1.021
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

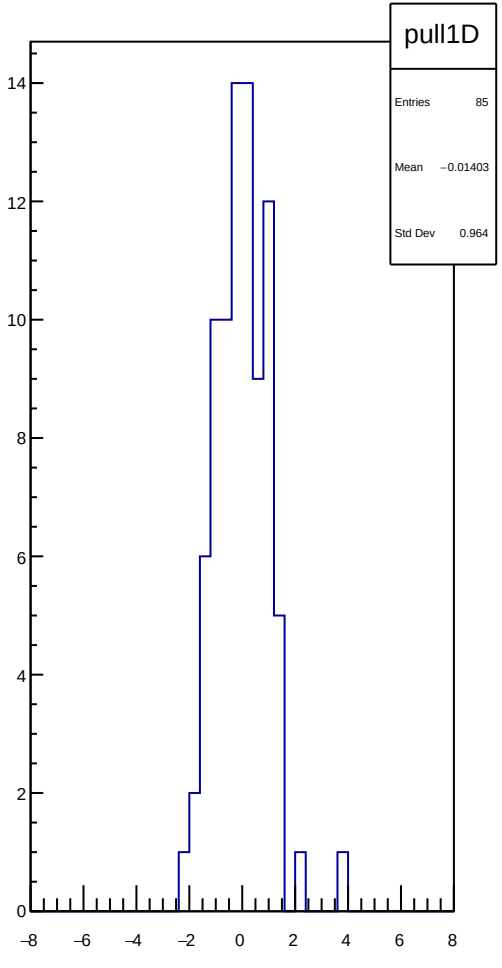

asym_sam_26_avg_rms vs run
χ² / ndf 6349 / 84
p0 347.6 ± 0.2712
420
400
380
360
340
320
300

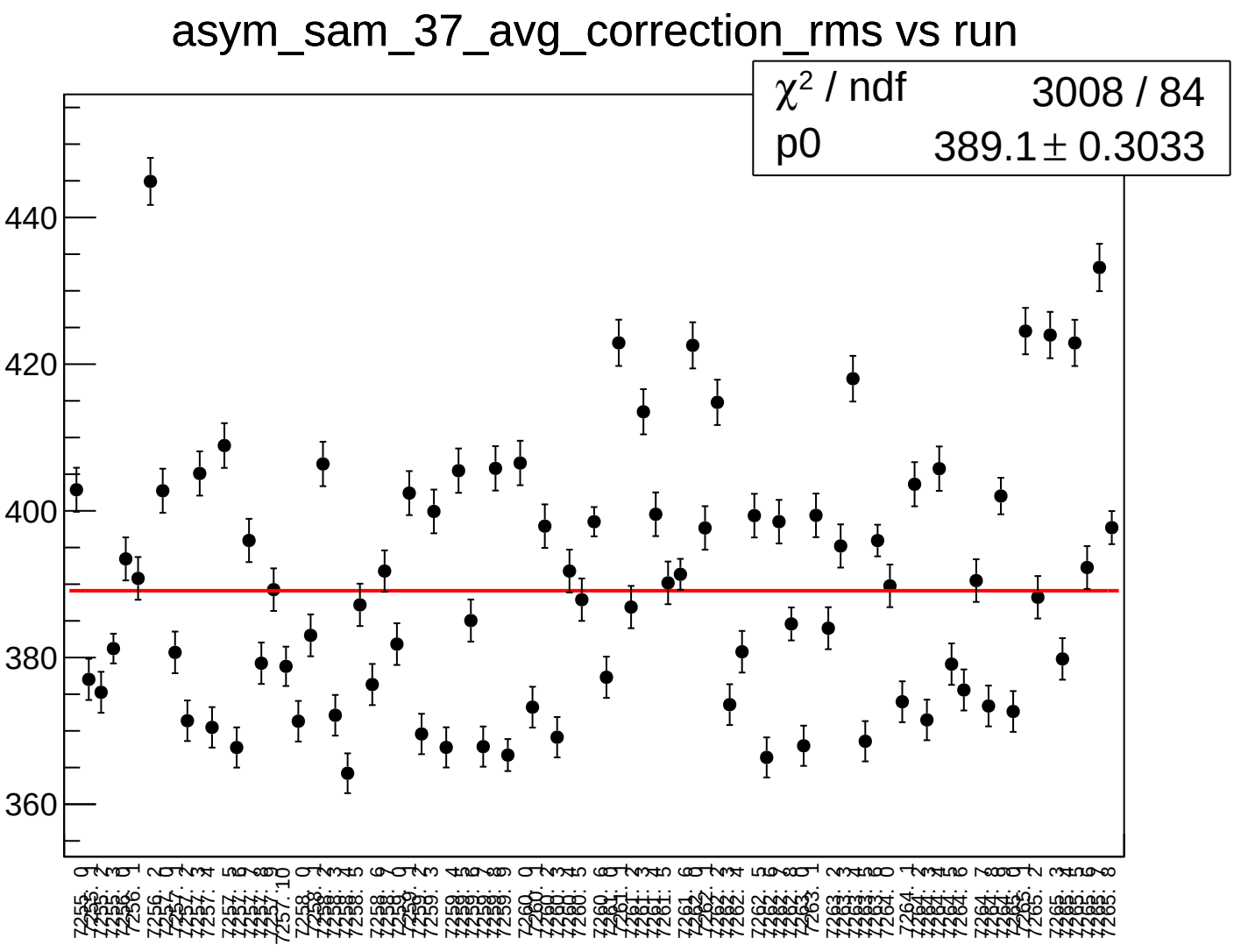

dit_asym_sam_37_avg_mean vs run
χ² / ndf 61.21 / 84
p0 −99.89 ± 65.85
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 306.4
Std Dev 270.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

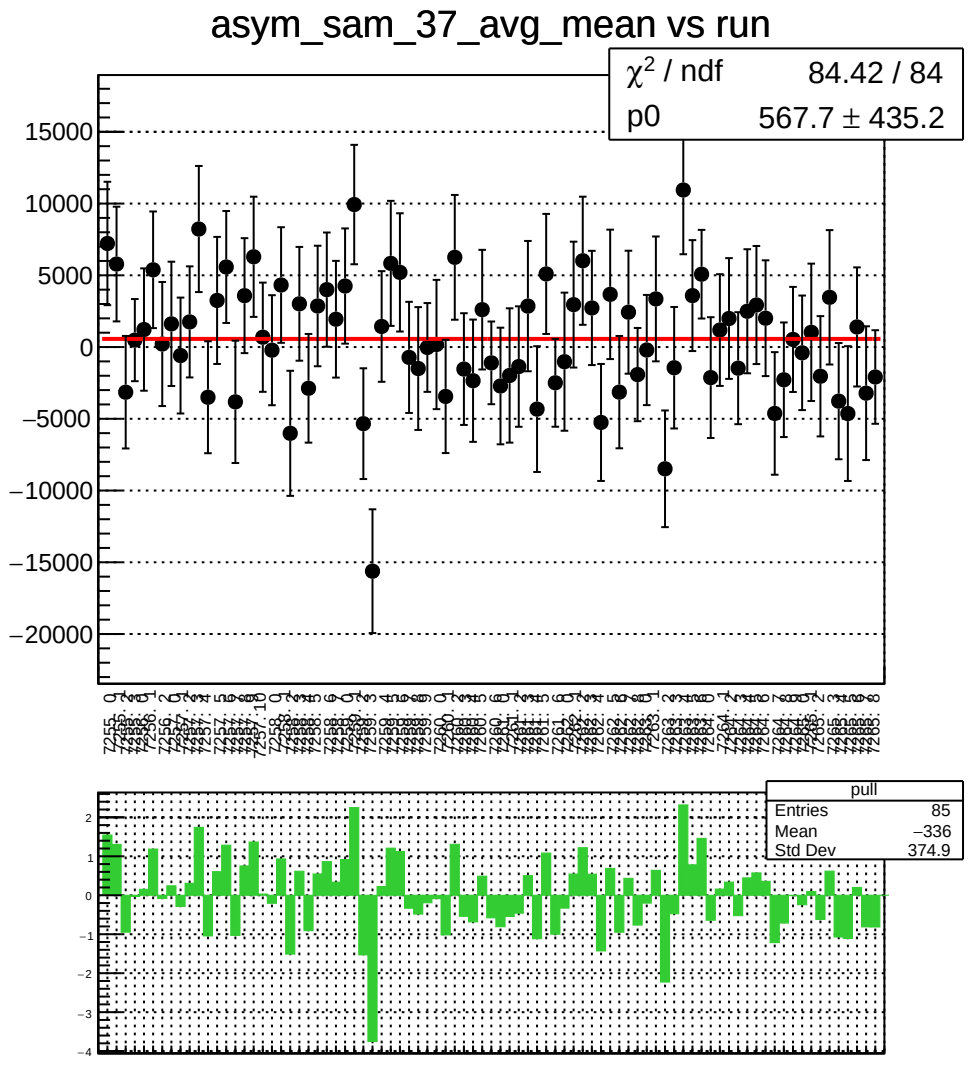

pull1D
Entries 85
Mean 0.0055
Std Dev 0.8486
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

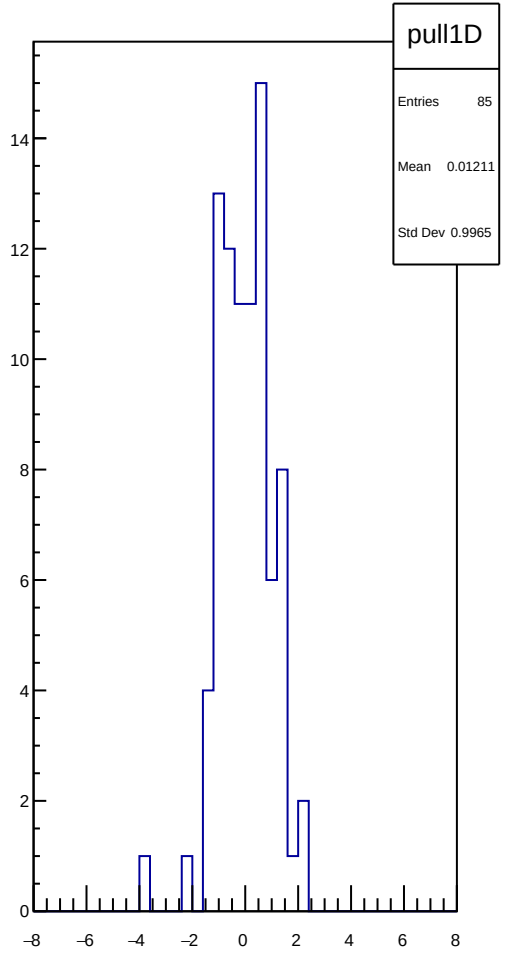

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 5.703e+04 / 84
p0 58.74 ± 0.04656
110
100
90
80
70
60
50

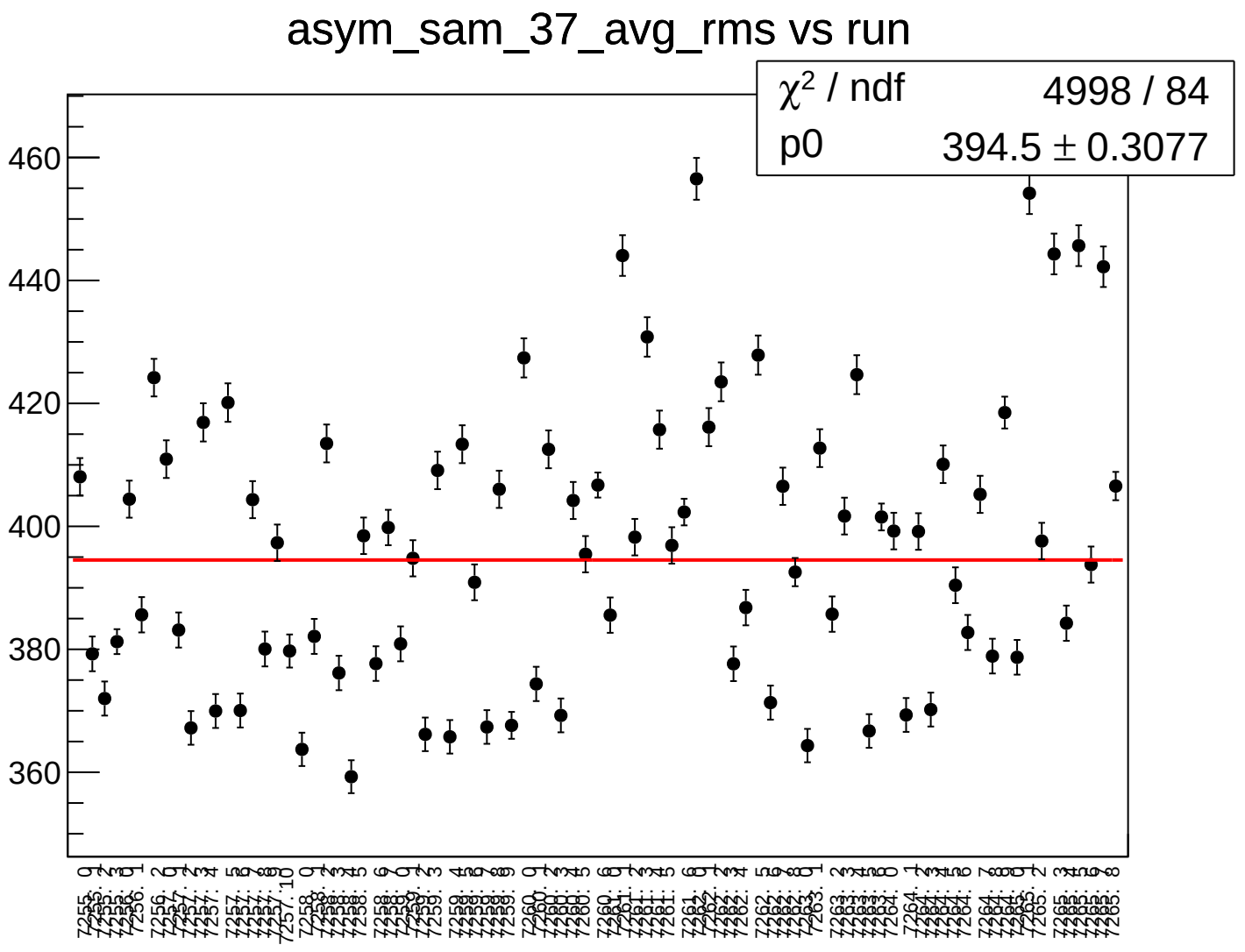

asym_sam_37_avg_correction_mean vs run
χ² / ndf 79 / 84
p0 −649.8 ± 428.9
pull
Entries 85
Mean −306.3
Std Dev 345

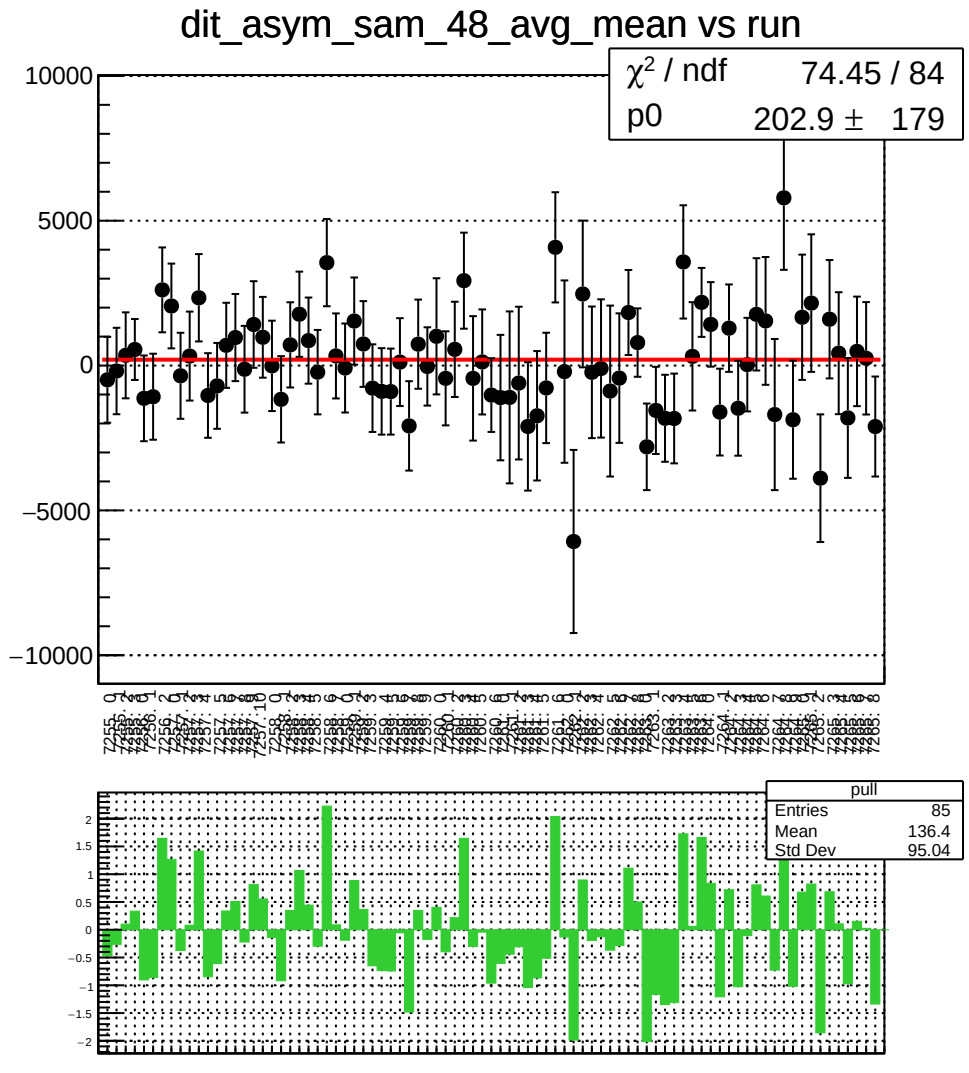

pull1D
Entries 85
Mean −0.01403
Std Dev 0.964

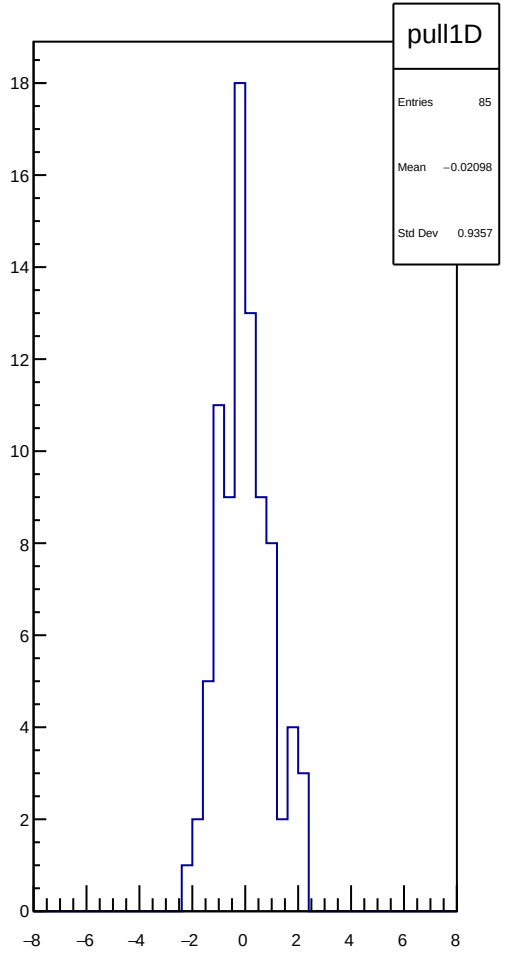

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3008 / 84
p0 389.1 ± 0.3033
440
420
400
380
360

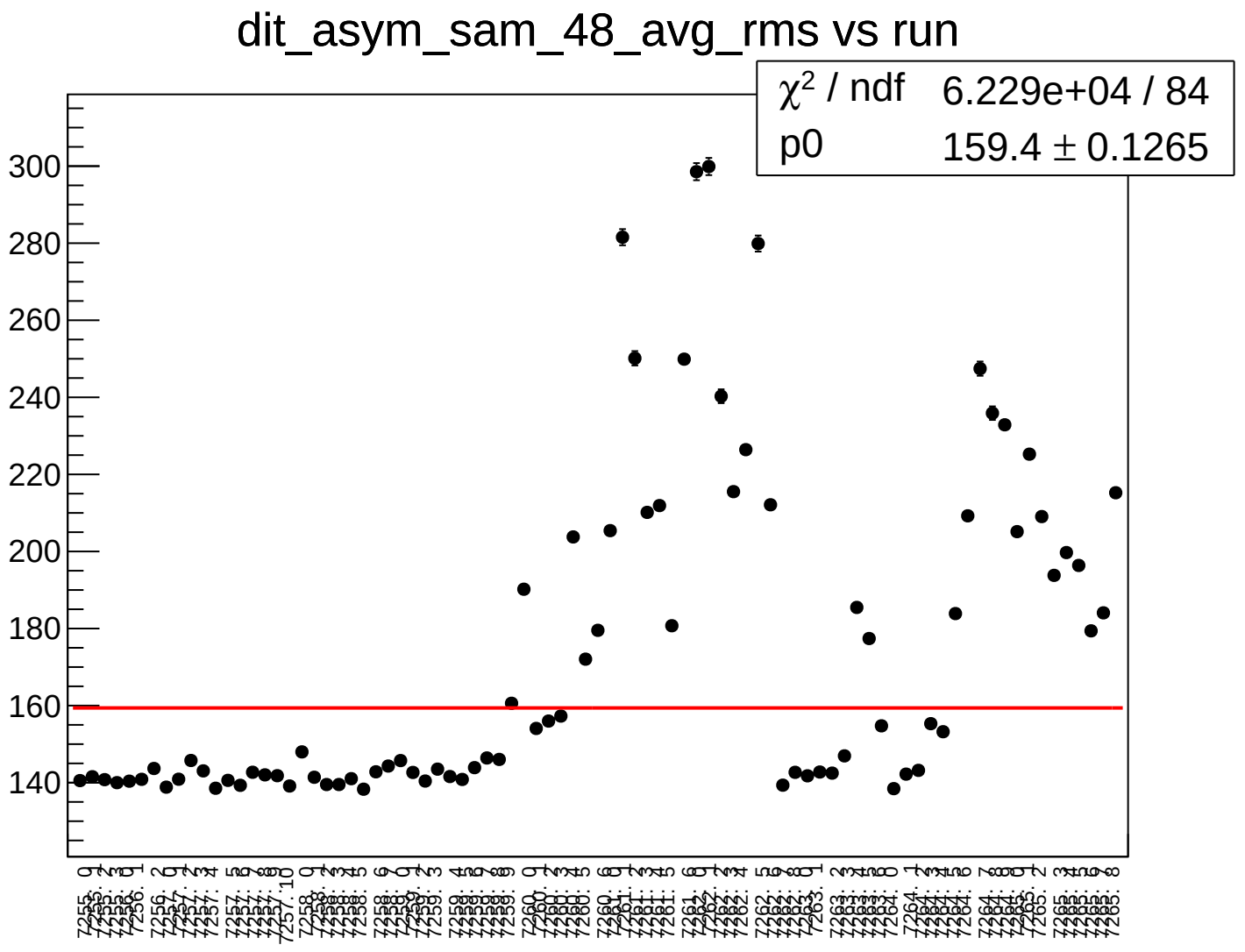

asym_sam_37_avg_mean vs run
χ² / ndf 84.42 / 84
p0 567.7 ± 435.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 85
Mean −336
Std Dev 374.9
2
1
0
−1
−2
−3
−4

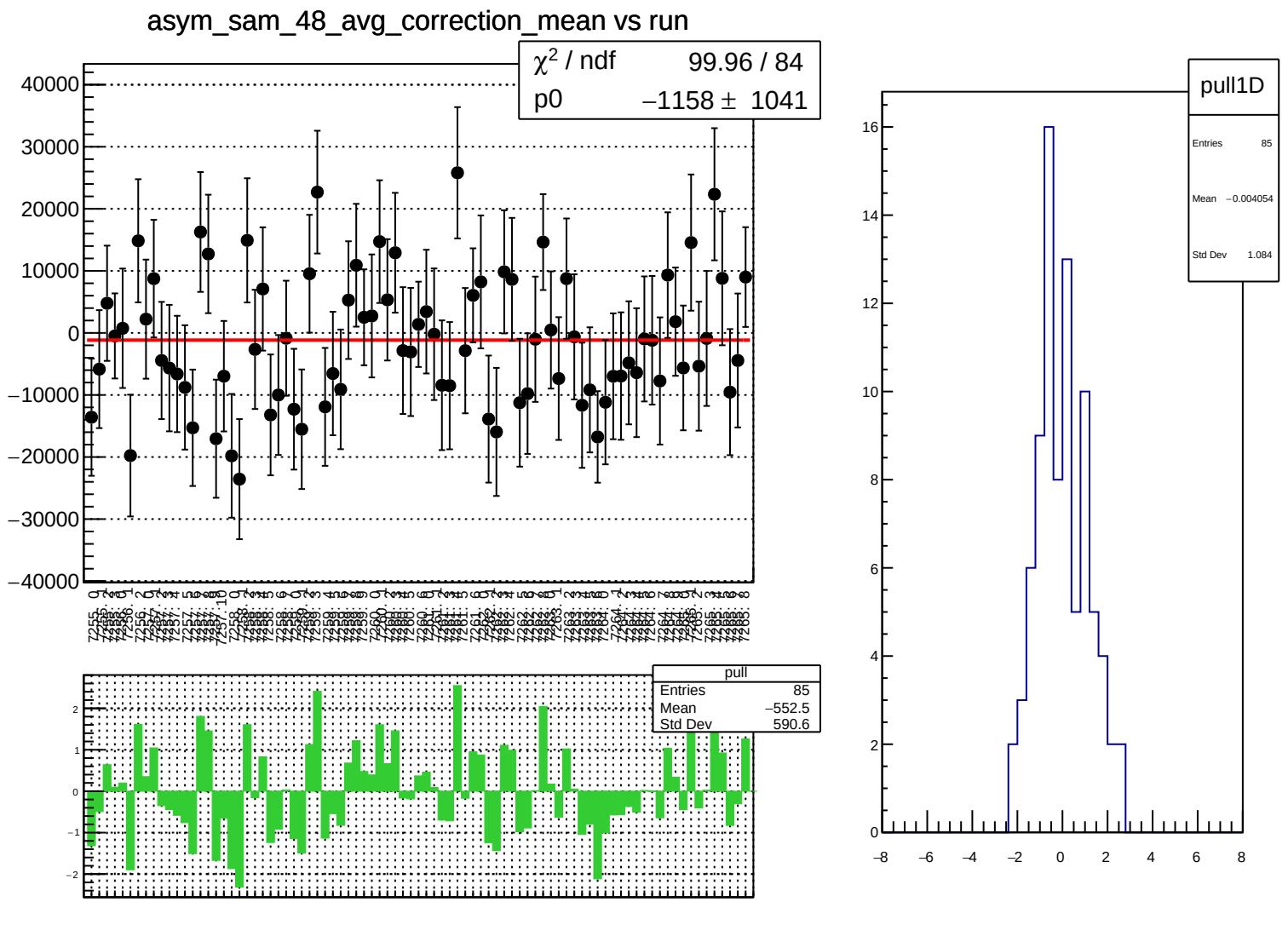

pull1D
Entries 85
Mean 0.01211
Std Dev 0.9965
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

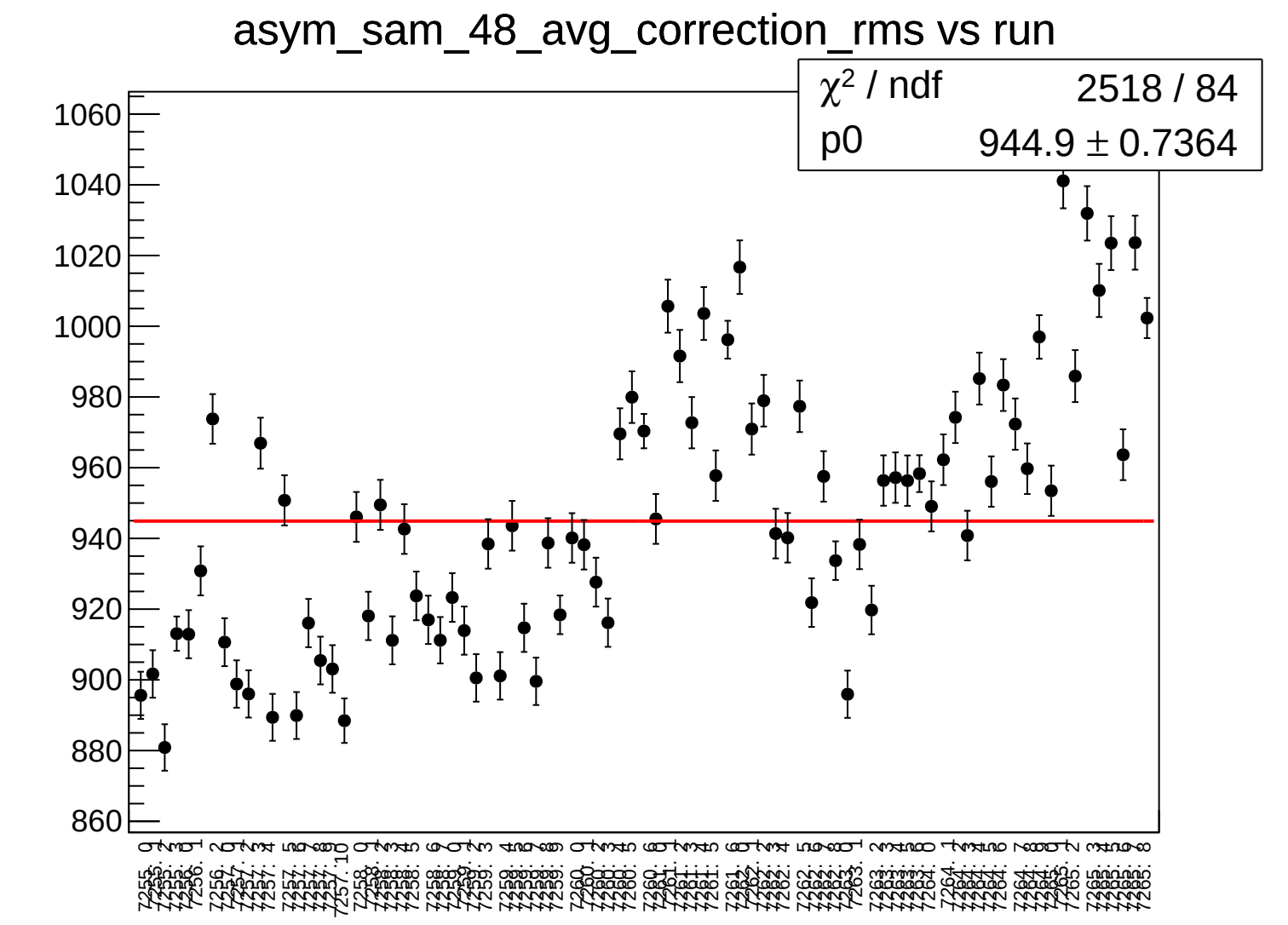

asym_sam_37_avg_rms vs run
χ² / ndf 4998 / 84
p0 394.5 ± 0.3077
460
440
420
400
380
360

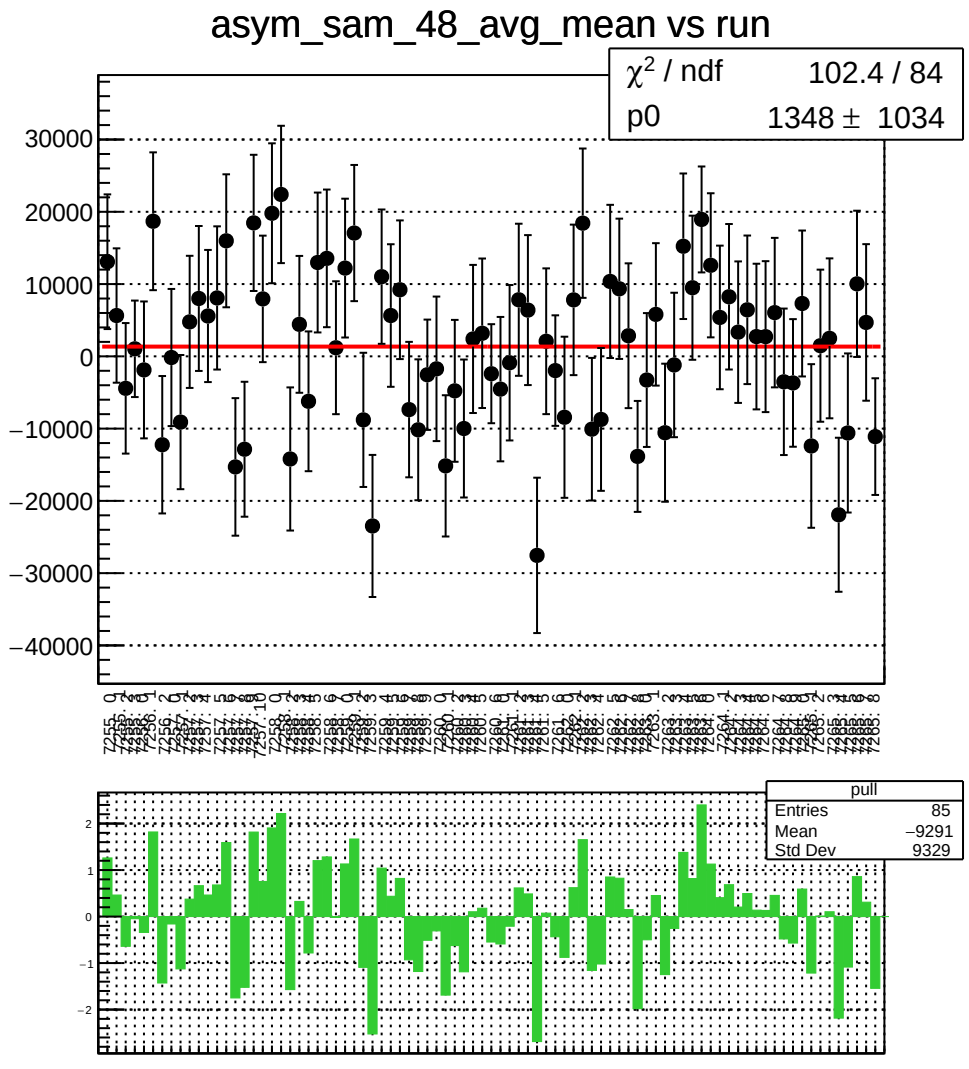

dit_asym_sam_48_avg_mean vs run
χ^2 / ndf 74.45 / 84
p0 202.9 ± 179
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 136.4
Std Dev 95.04
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

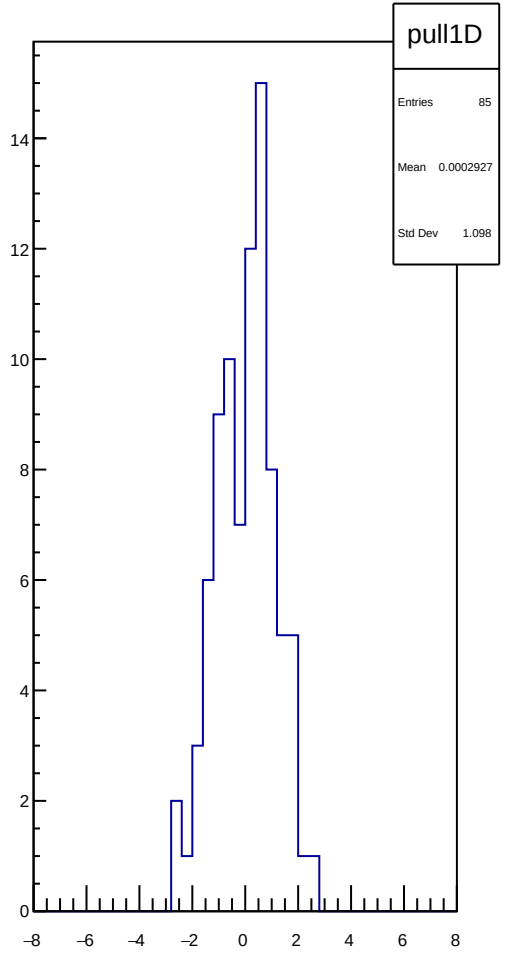

pull1D
Entries 85
Mean −0.02098
Std Dev 0.9357
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

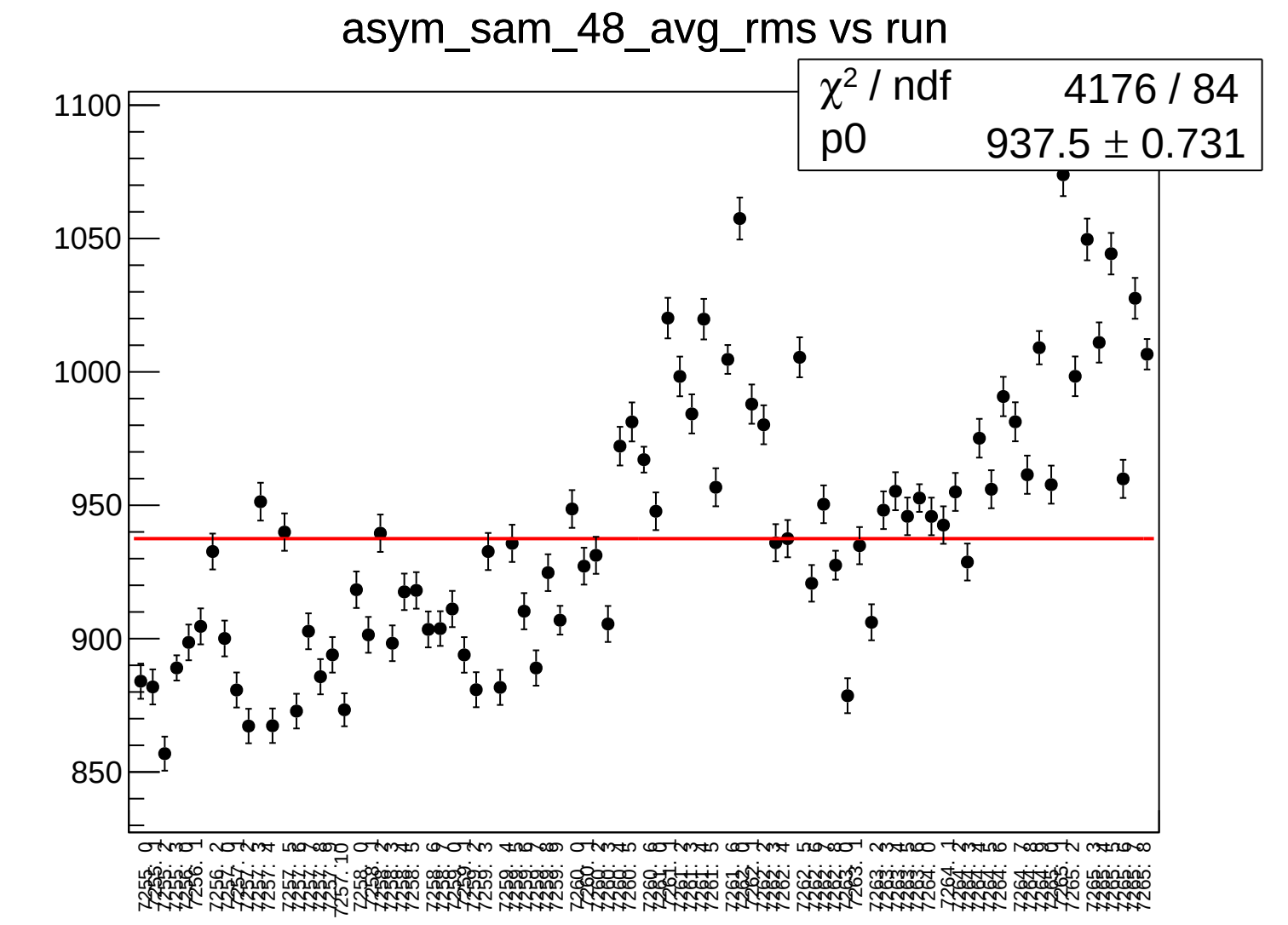

dit_asym_sam_48_avg_rms vs run
χ² / ndf 6.229e+04 / 84
p0 159.4 ± 0.1265
300
280
260
240
220
200
180
160
140

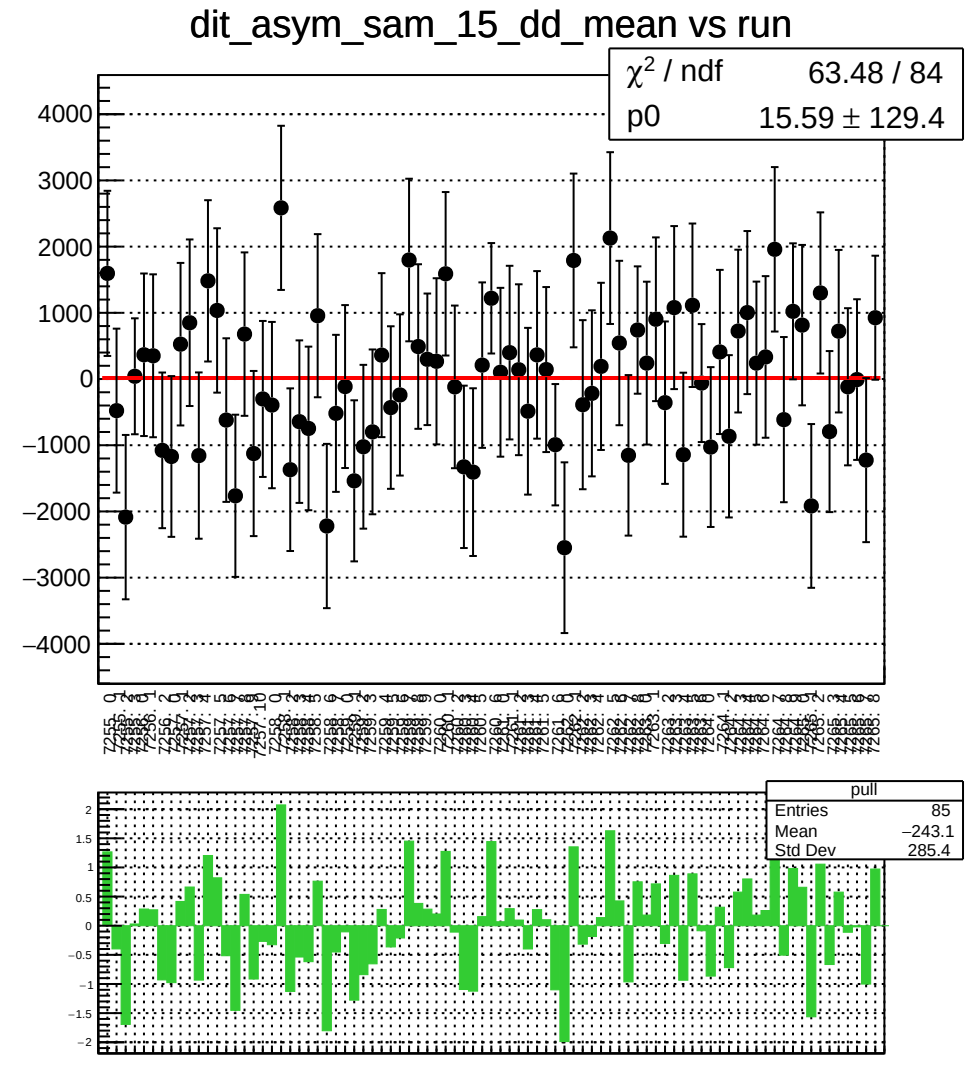

asym_sam_48_avg_correction_mean vs run
χ² / ndf 99.96 / 84
p0 −1158 ± 1041
pull
Entries 85
Mean −552.5
Std Dev 590.6
pull1D
Entries 85
Mean −0.004054
Std Dev 1.084

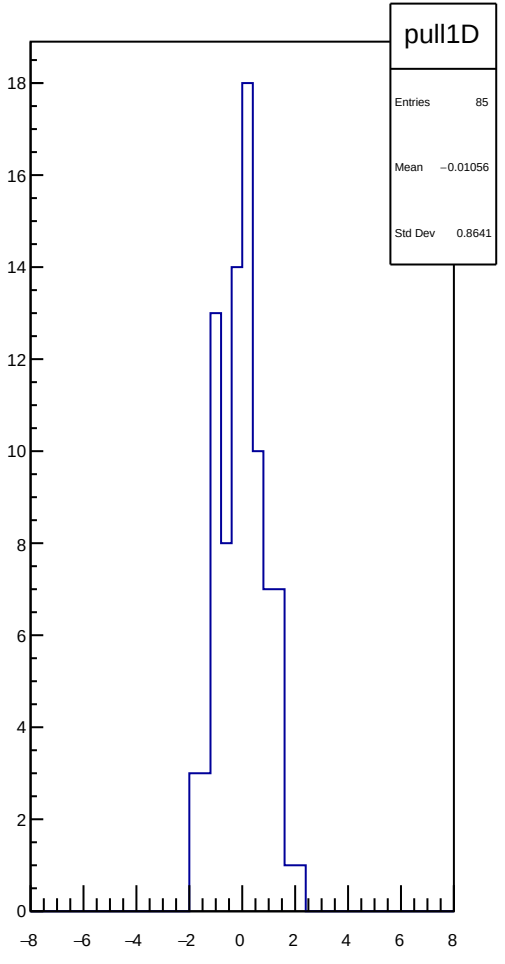

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2518 / 84
p0 944.9 ± 0.7364
1060
1040
1020
1000
980
960
940
920
900
880
860

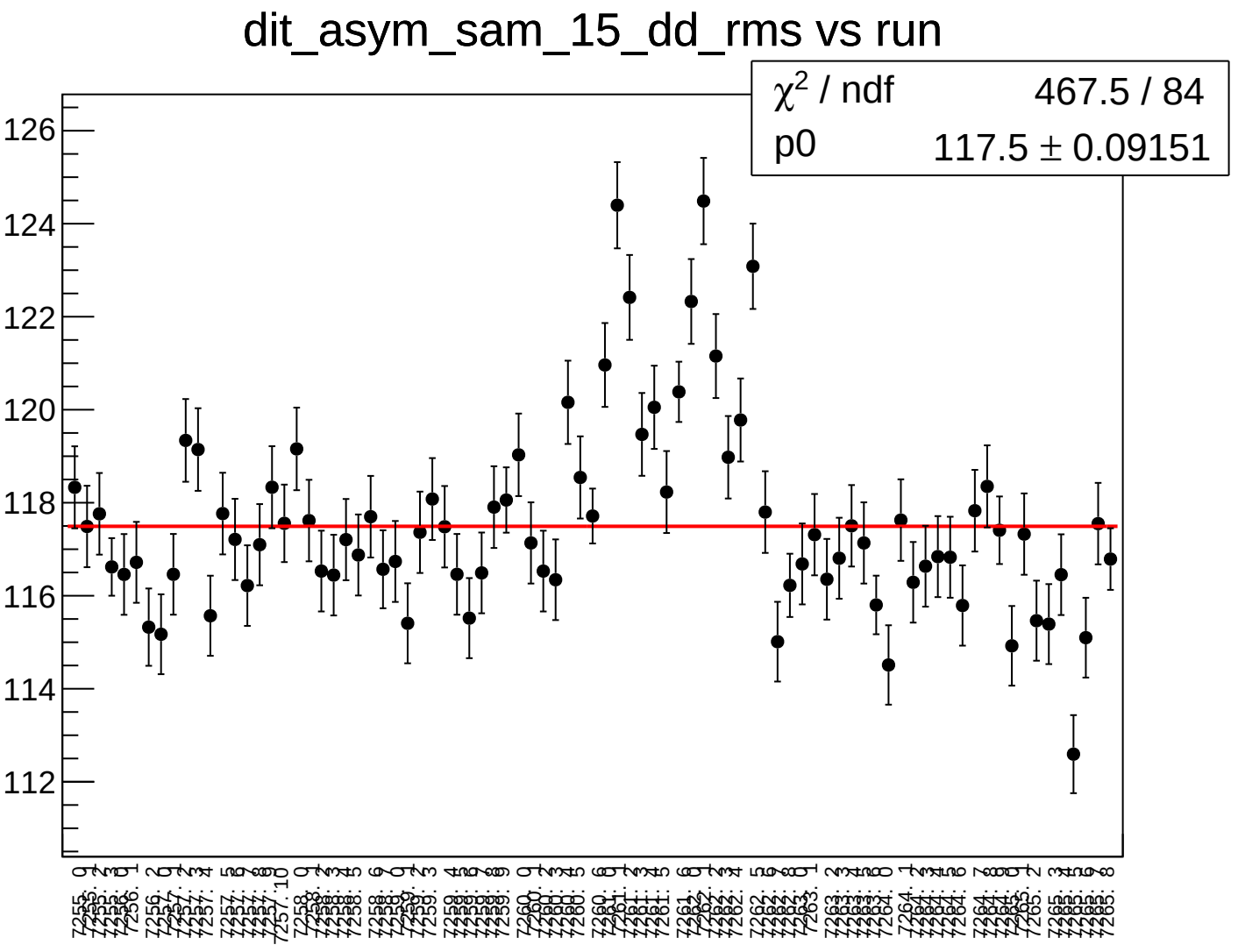

asym_sam_48_avg_mean vs run
χ² / ndf 102.4 / 84
p0 1348 ± 1034
pull
Entries 85
Mean −9291
Std Dev 9329

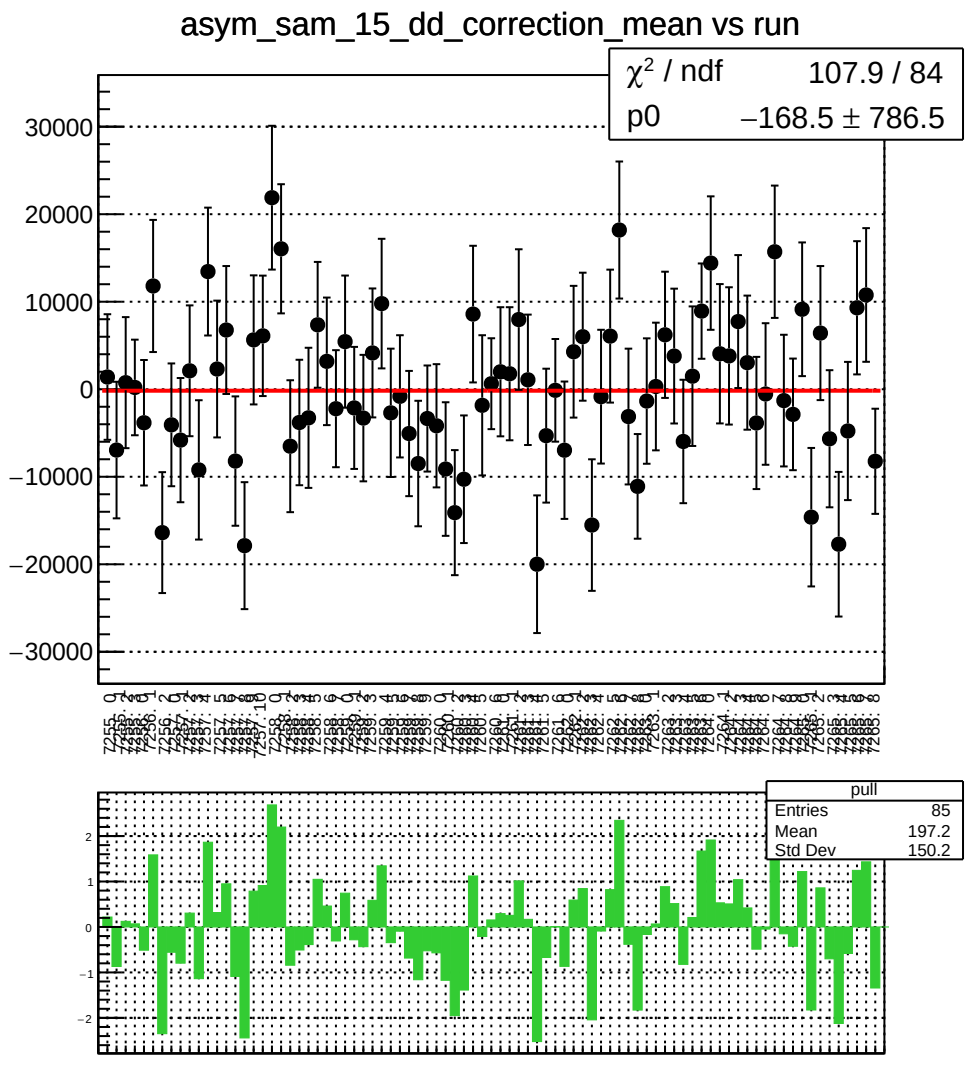

pull1D
Entries 85
Mean 0.0002927
Std Dev 1.098

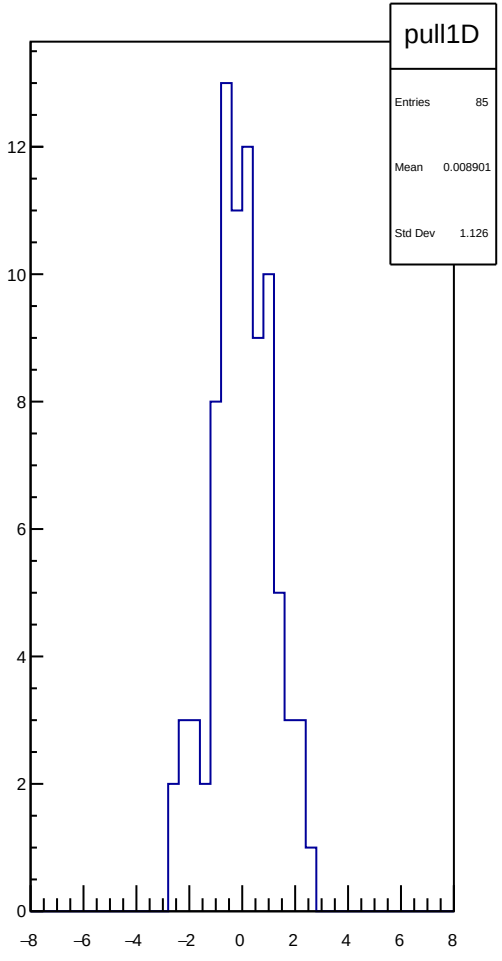

asym_sam_48_avg_rms vs run
χ² / ndf 4176 / 84
p0 937.5 ± 0.731
1100
1050
1000
950
900
850

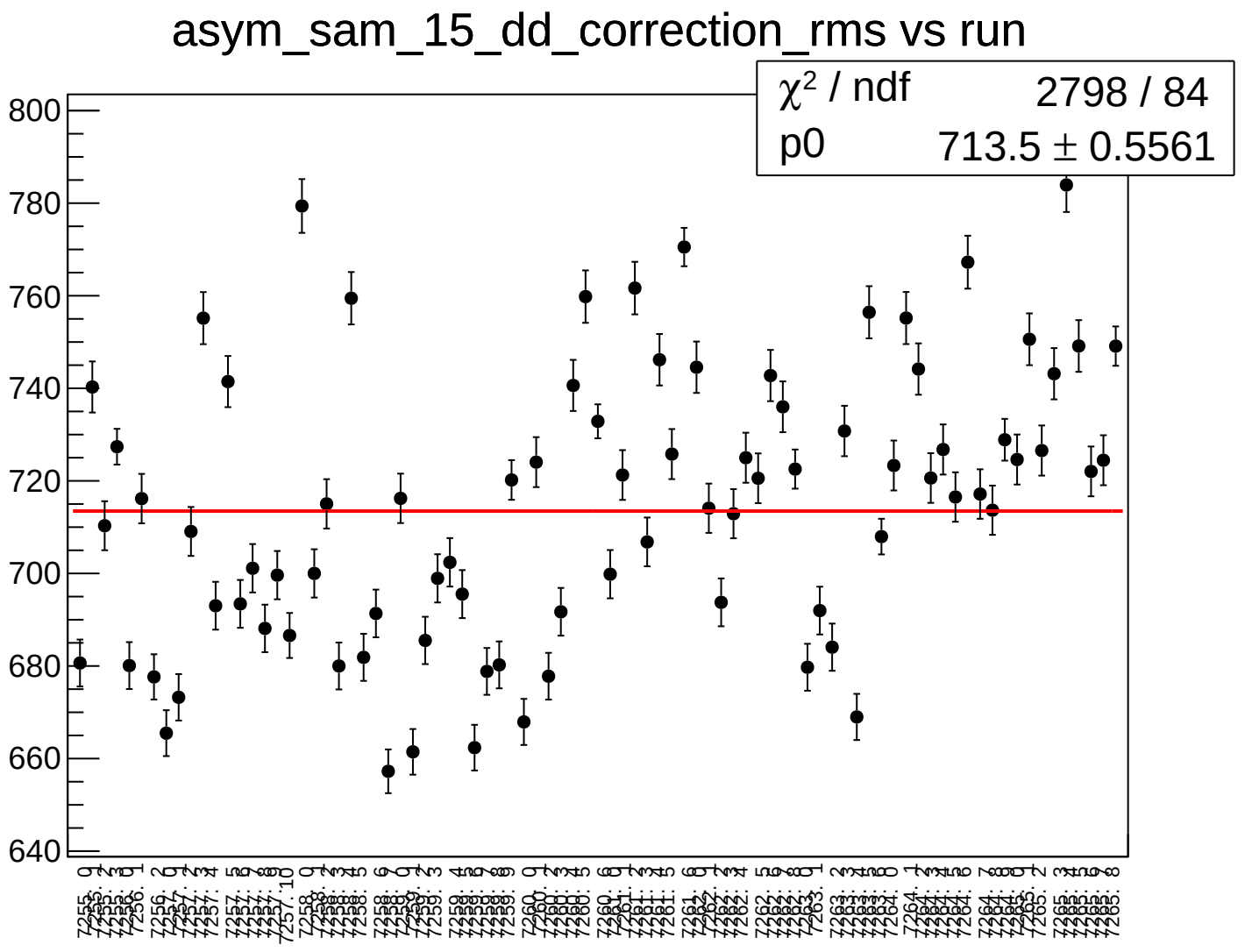

dit_asym_sam_15_dd_mean vs run
χ² / ndf 63.48 / 84
p0 15.59 ± 129.4
pull
Entries 85
Mean −243.1
Std Dev 285.4

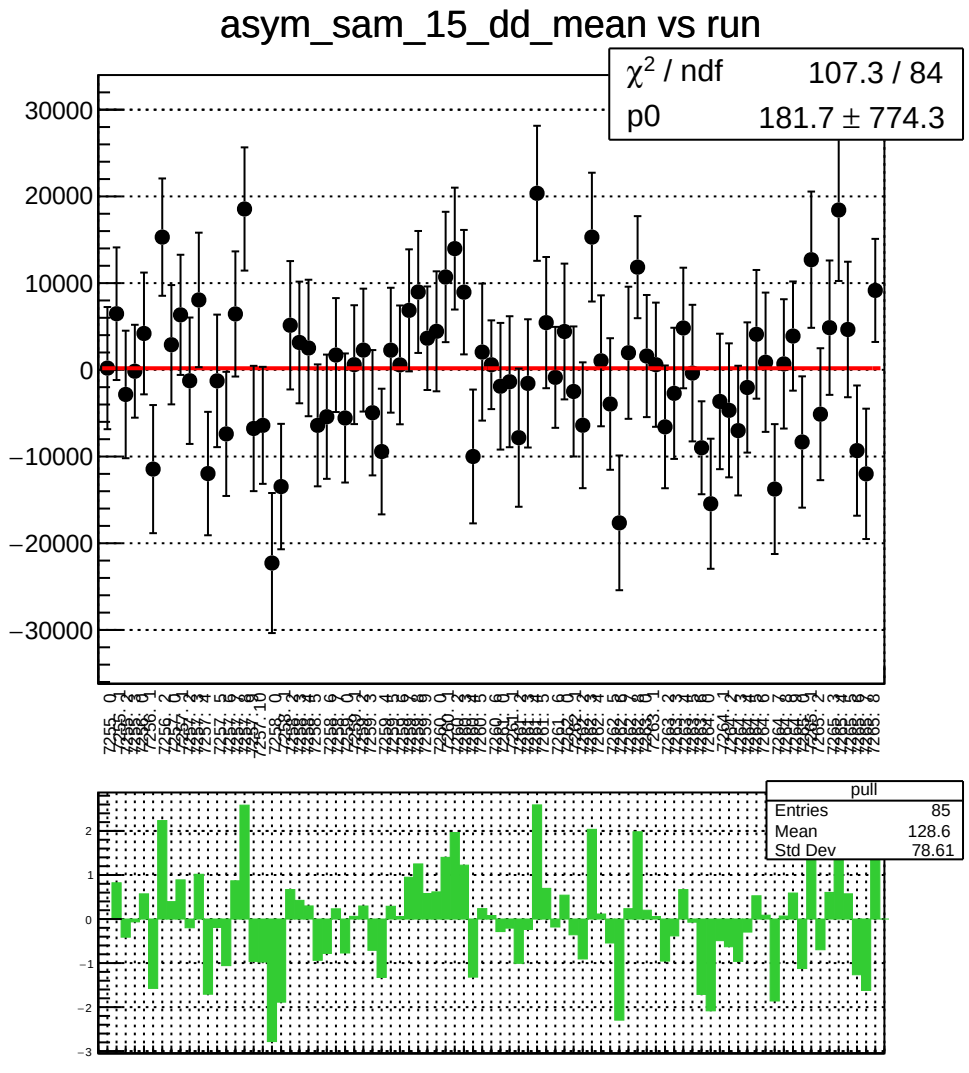

pull1D
Entries 85
Mean −0.01056
Std Dev 0.8641

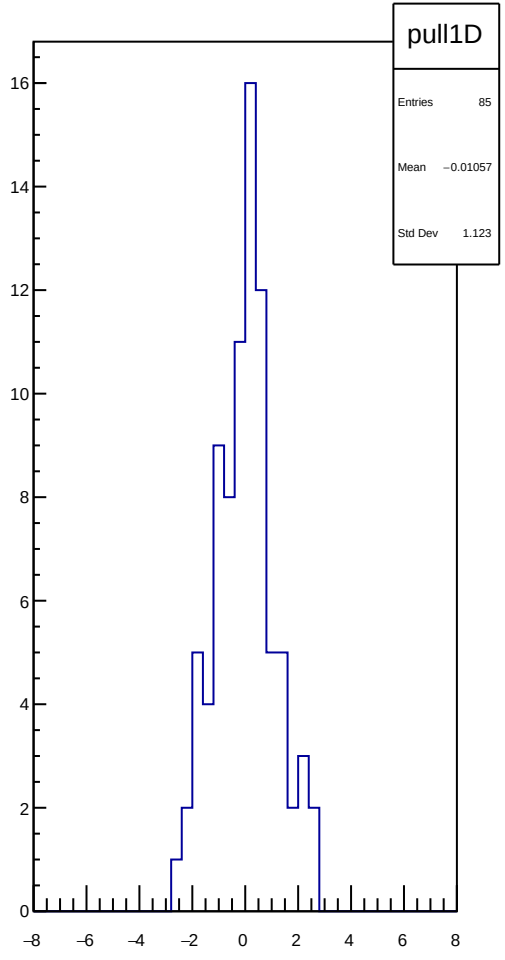

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 467.5 / 84
p0 117.5 ± 0.09151
126
124
122
120
118
116
114
112

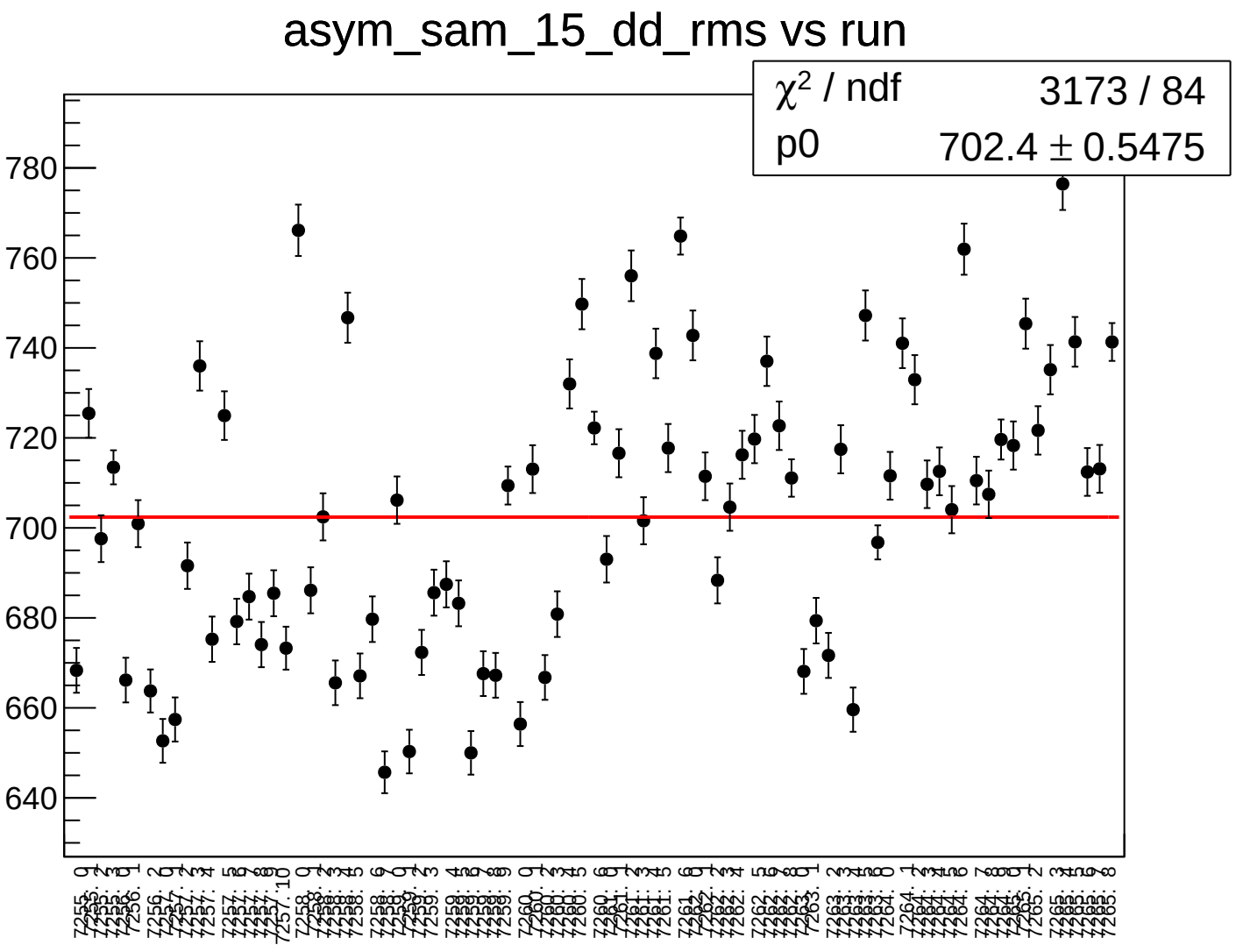

asym_sam_15_dd_correction_mean vs run
χ² / ndf 107.9 / 84
p0 −168.5 ± 786.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 197.2
Std Dev 150.2
2
1
0
−1
−2

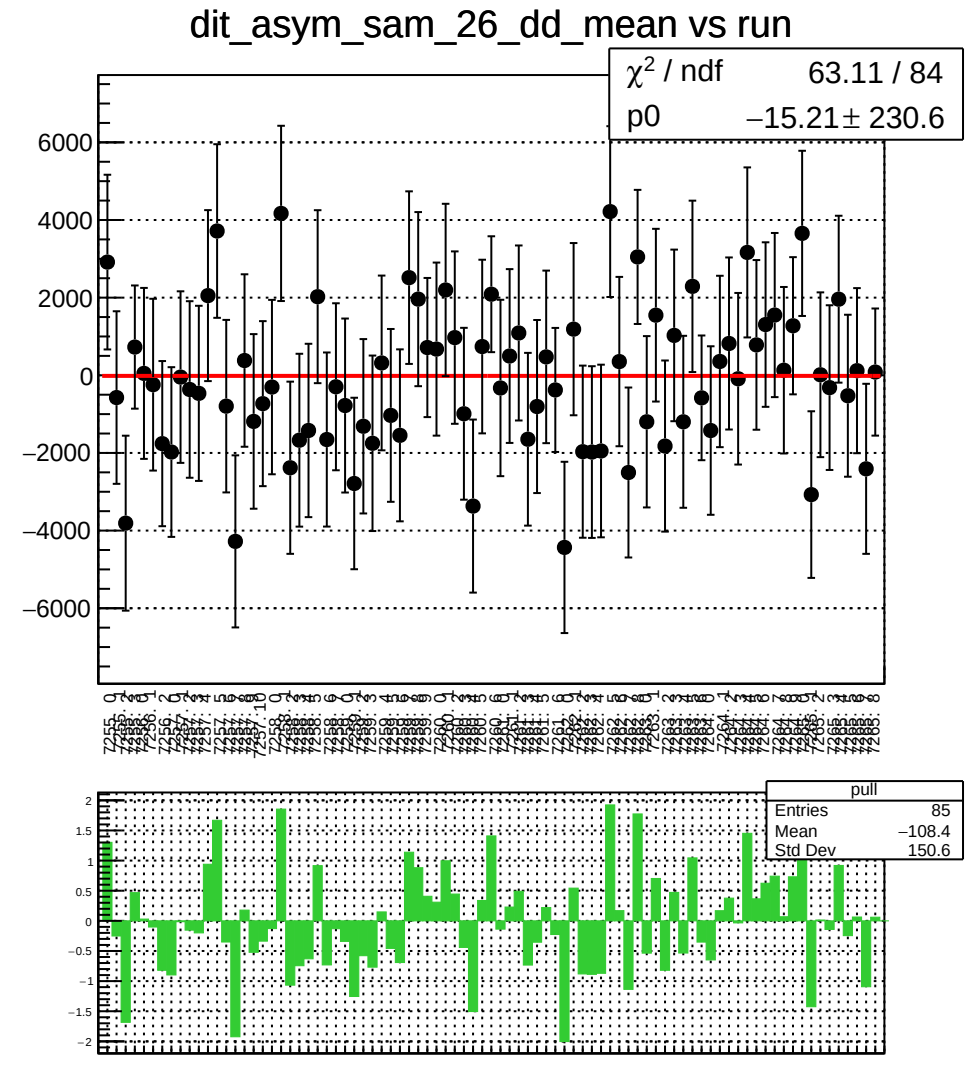

pull1D
Entries 85
Mean 0.008901
Std Dev 1.126
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

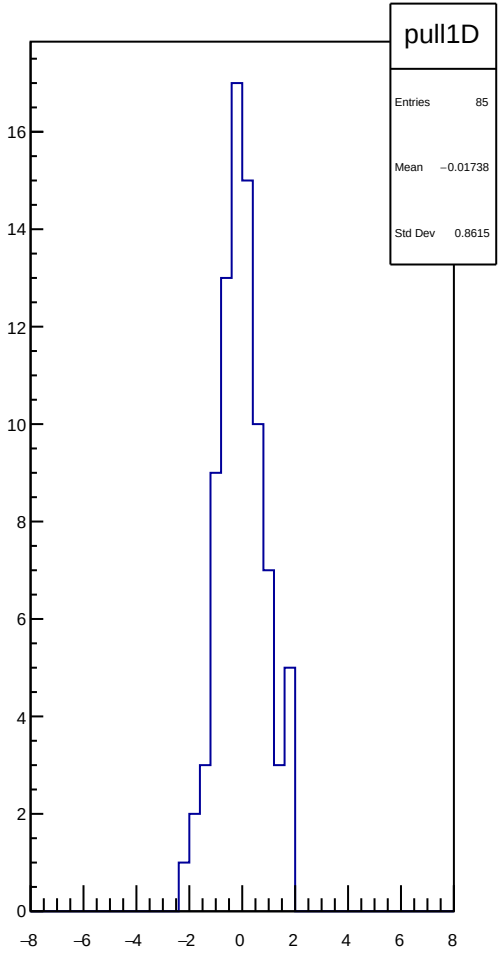

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2798 / 84
p0 713.5 ± 0.5561
800
780
760
740
720
700
680
660
640

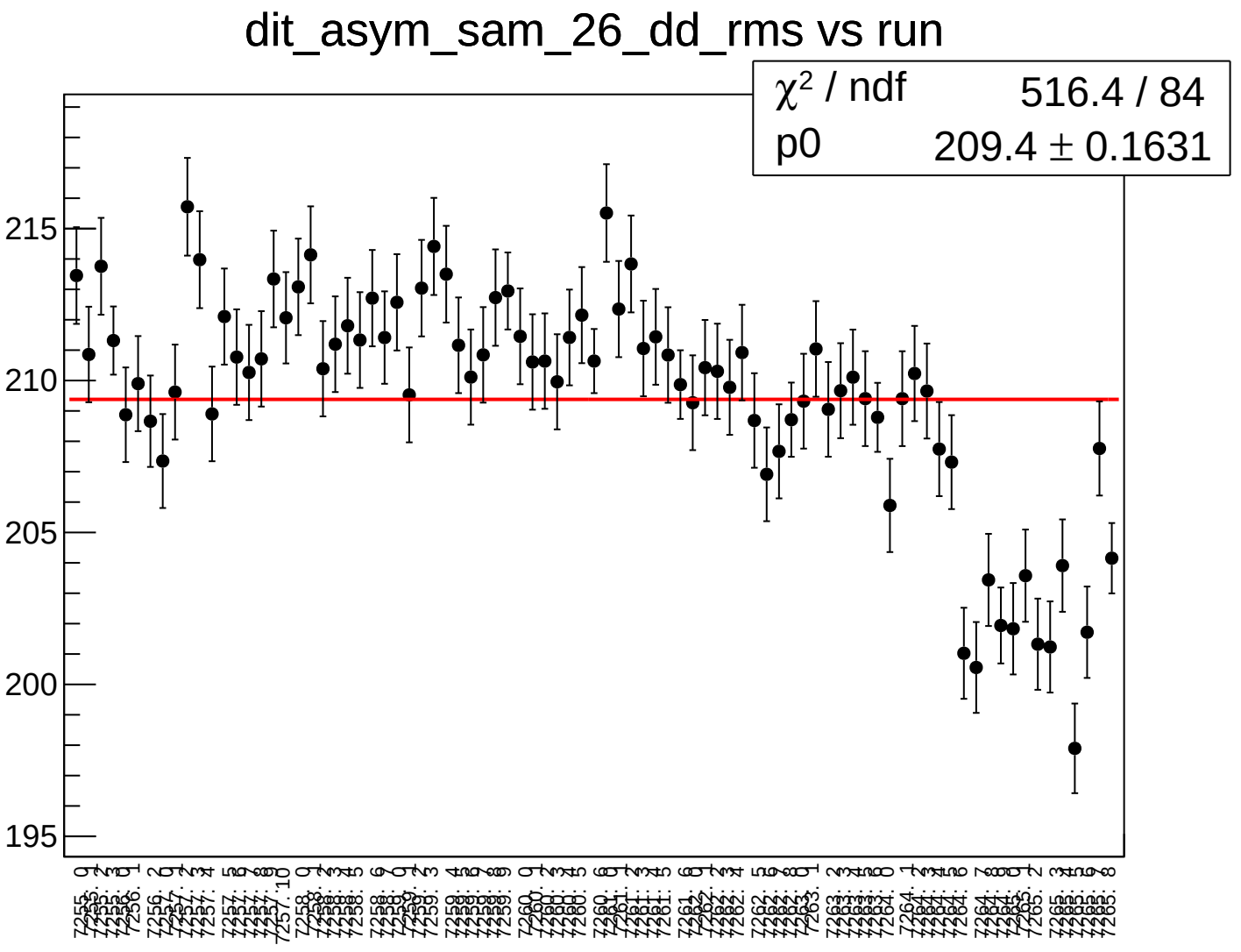

asym_sam_15_dd_mean vs run
χ² / ndf 107.3 / 84
p0 181.7 ± 774.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 128.6
Std Dev 78.61
2
1
0
−1
−2
−3

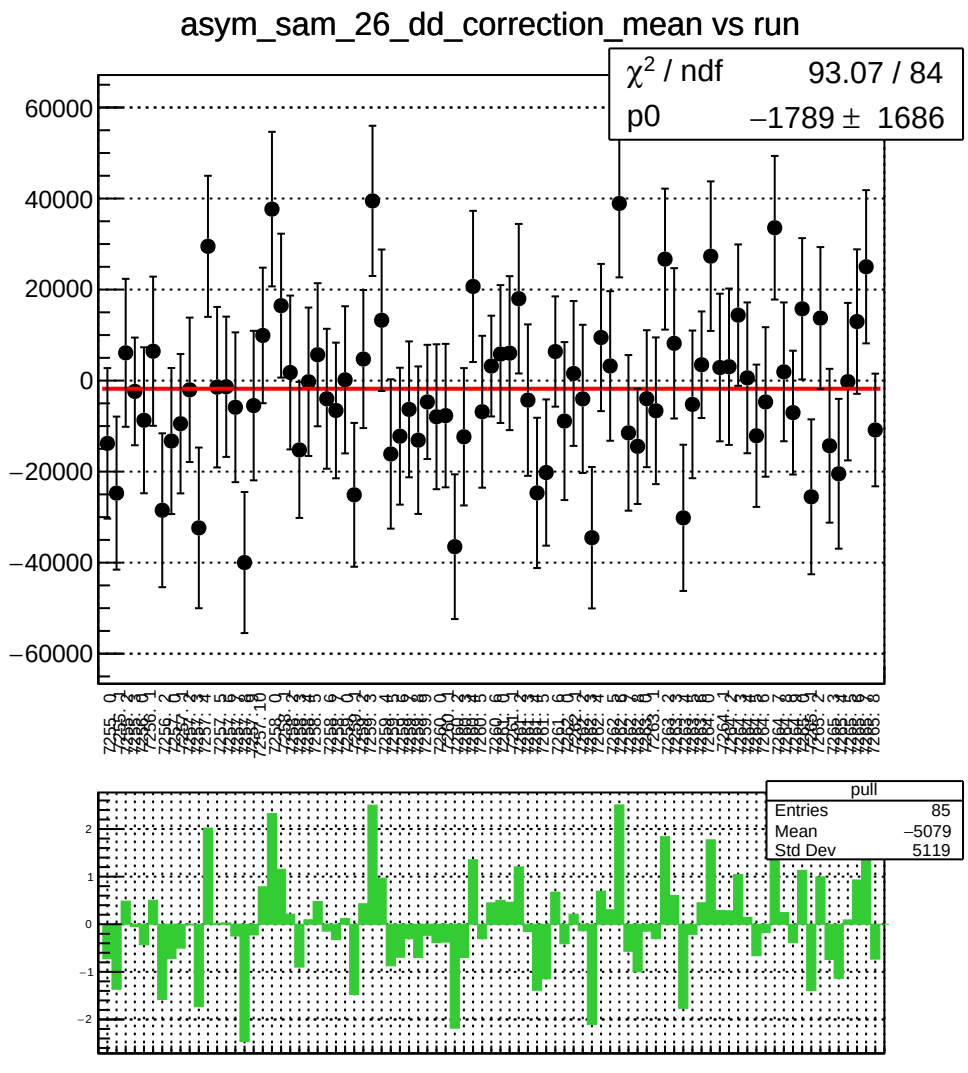

pull1D
Entries 85
Mean −0.01057
Std Dev 1.123
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

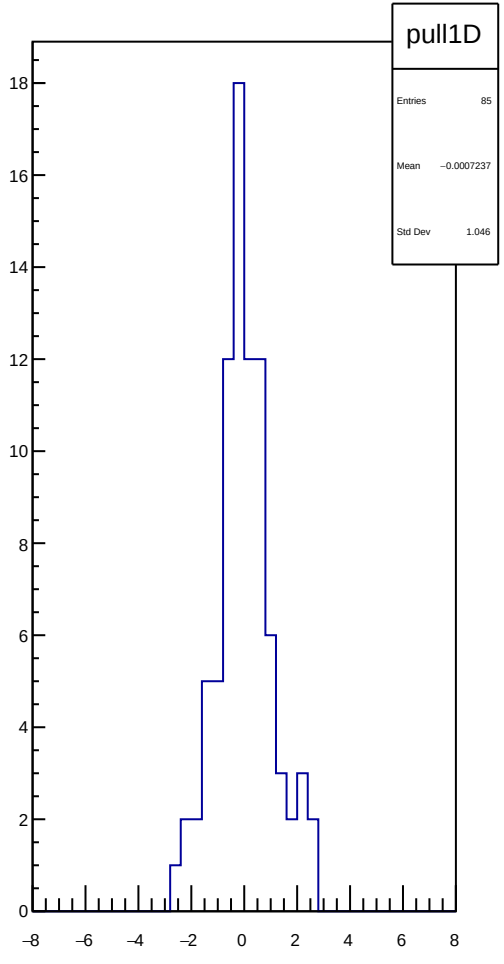

asym_sam_15_dd_rms vs run
χ² / ndf 3173 / 84
p0 702.4 ± 0.5475
780
760
740
720
700
680
660
640

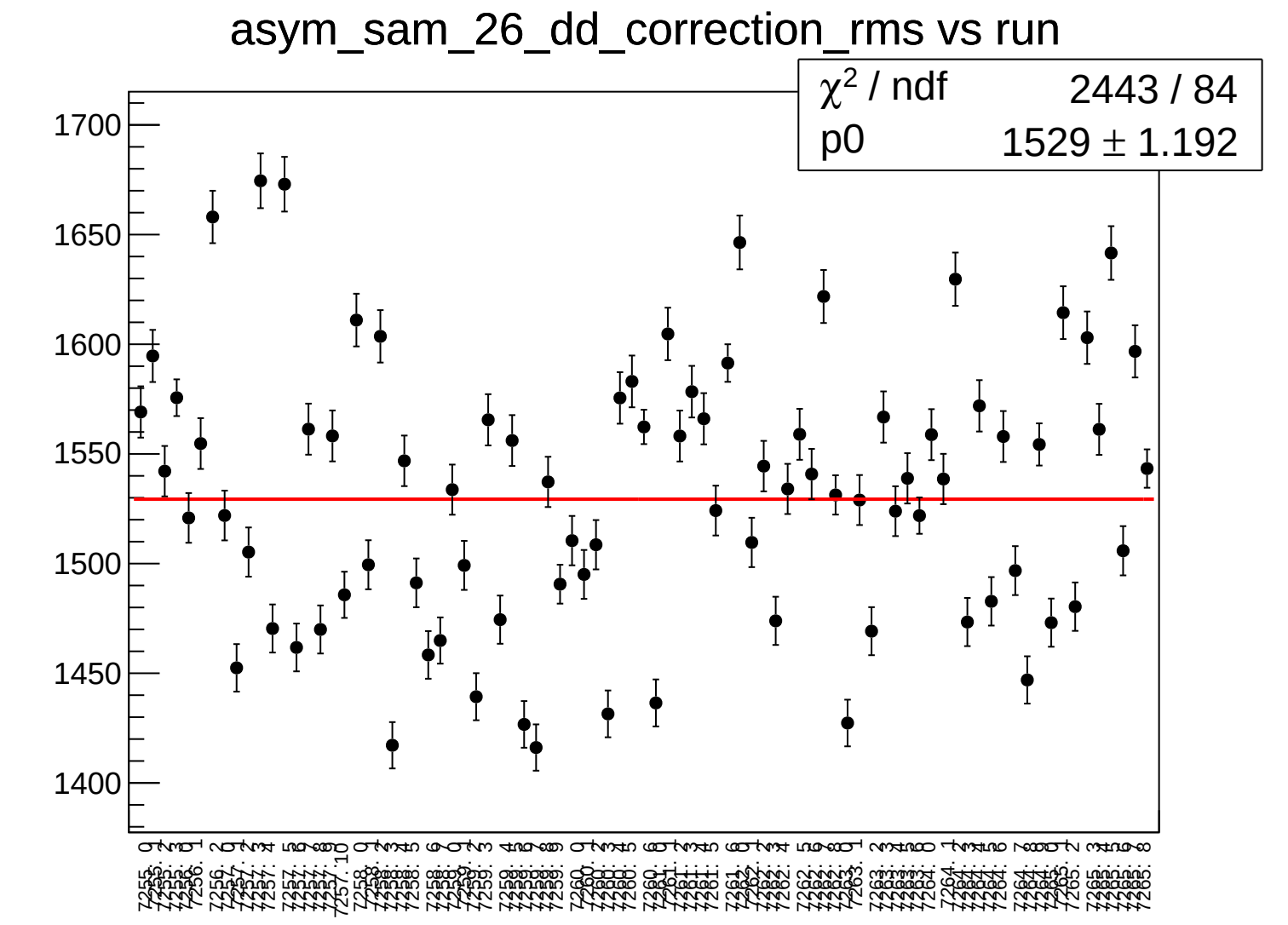

dit_asym_sam_26_dd_mean vs run
χ² / ndf 63.11 / 84
p0 −15.21± 230.6
pull
Entries 85
Mean −108.4
Std Dev 150.6

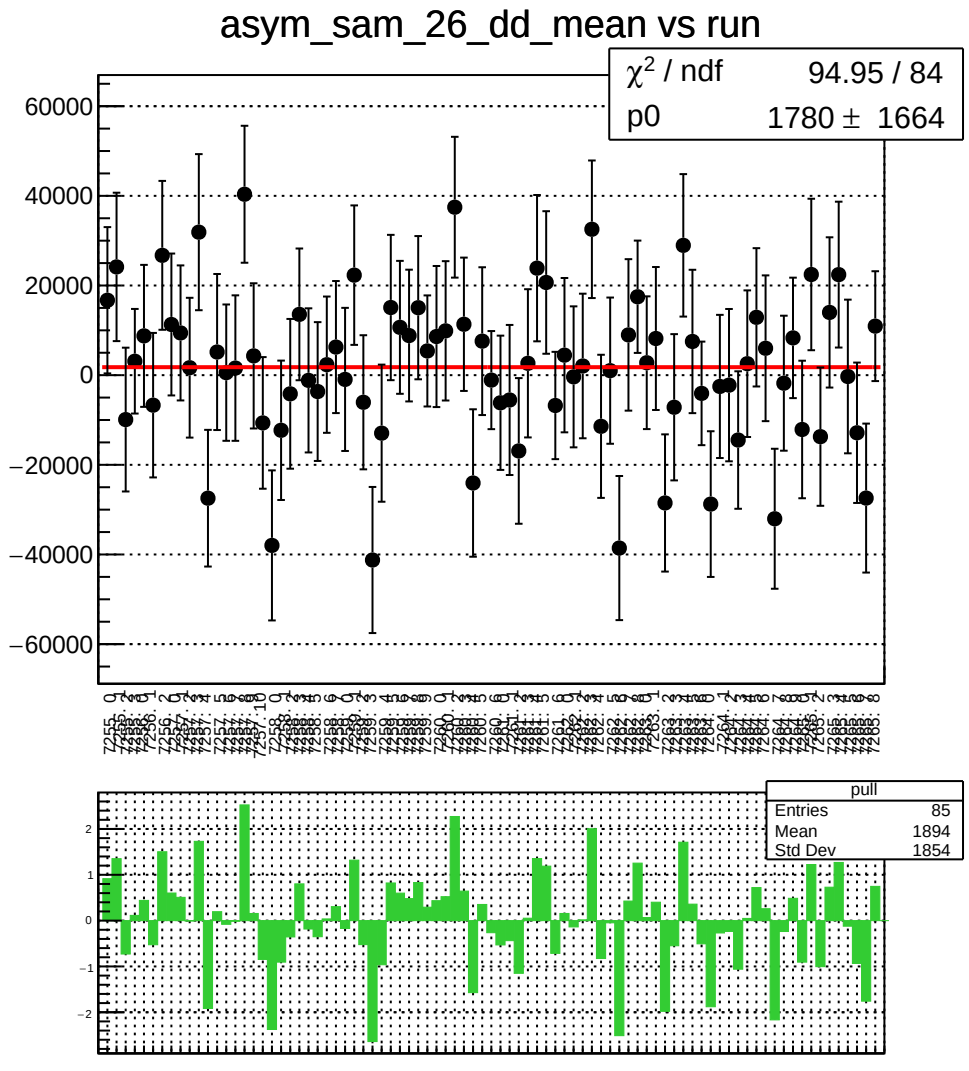

pull1D
Entries 85
Mean −0.01738
Std Dev 0.8615

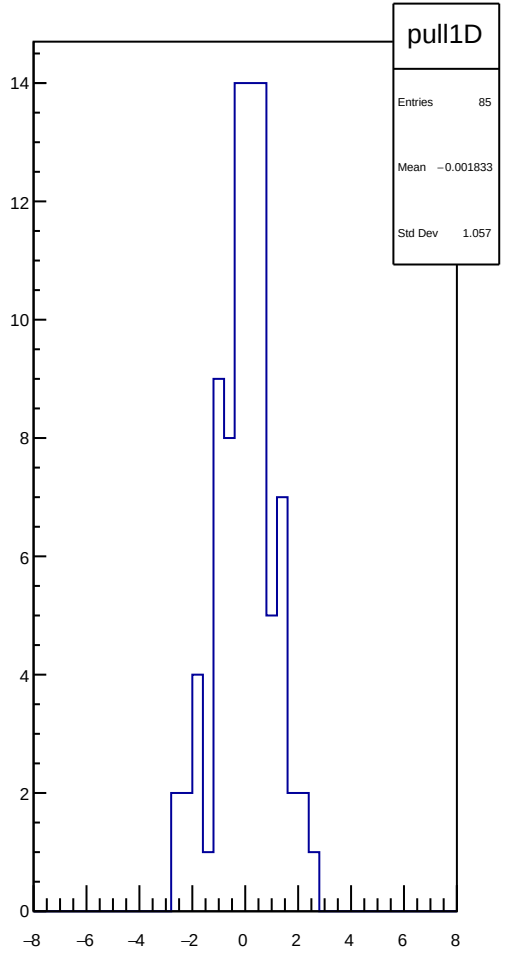

dit_asym_sam_26_dd_rms vs run
χ² / ndf 516.4 / 84
p0 209.4 ± 0.1631
215
210
205
200
195

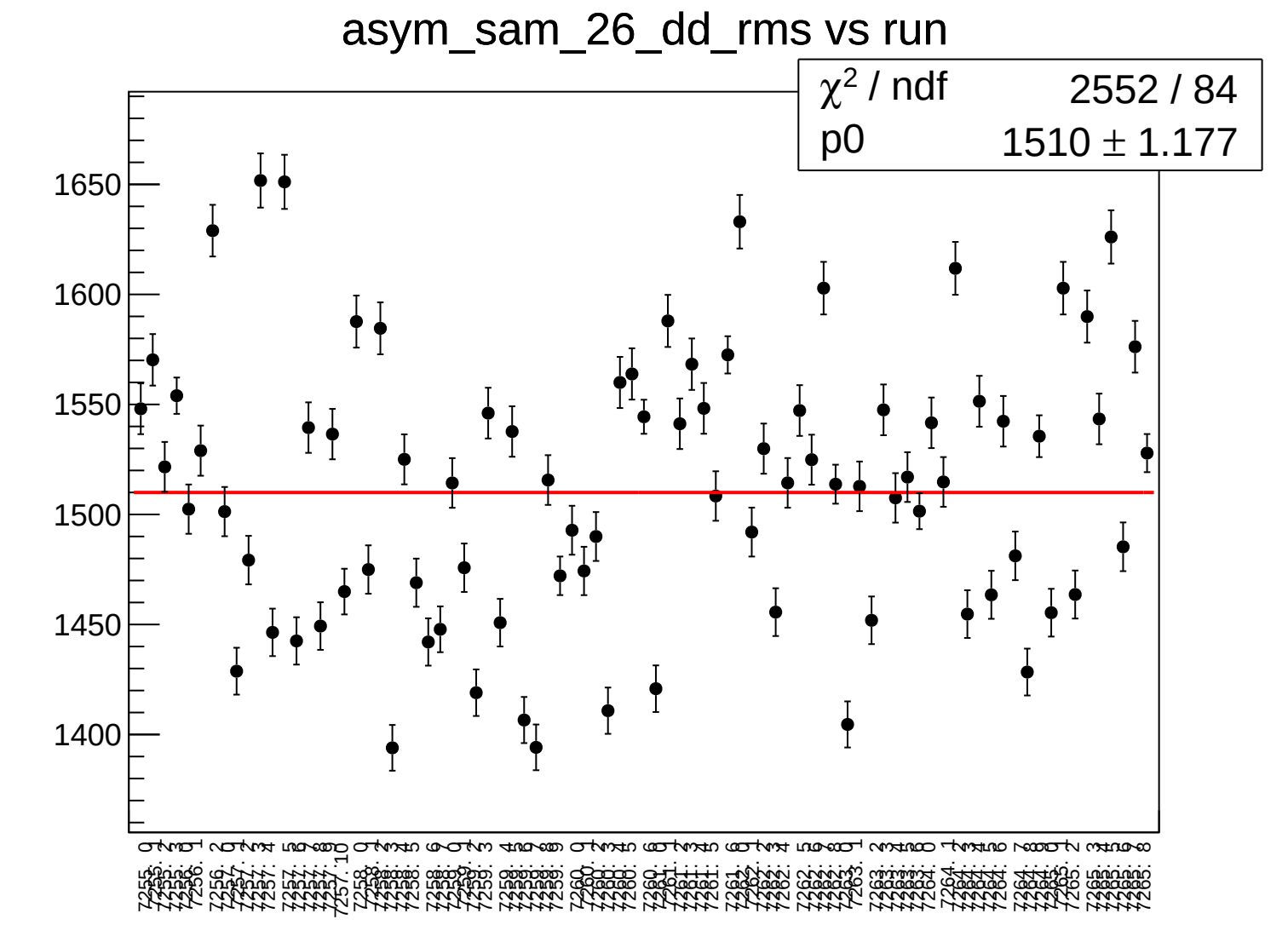

asym_sam_26_dd_correction_mean vs run
χ² / ndf 93.07 / 84
p0 −1789 ± 1686
pull
Entries 85
Mean −5079
Std Dev 5119

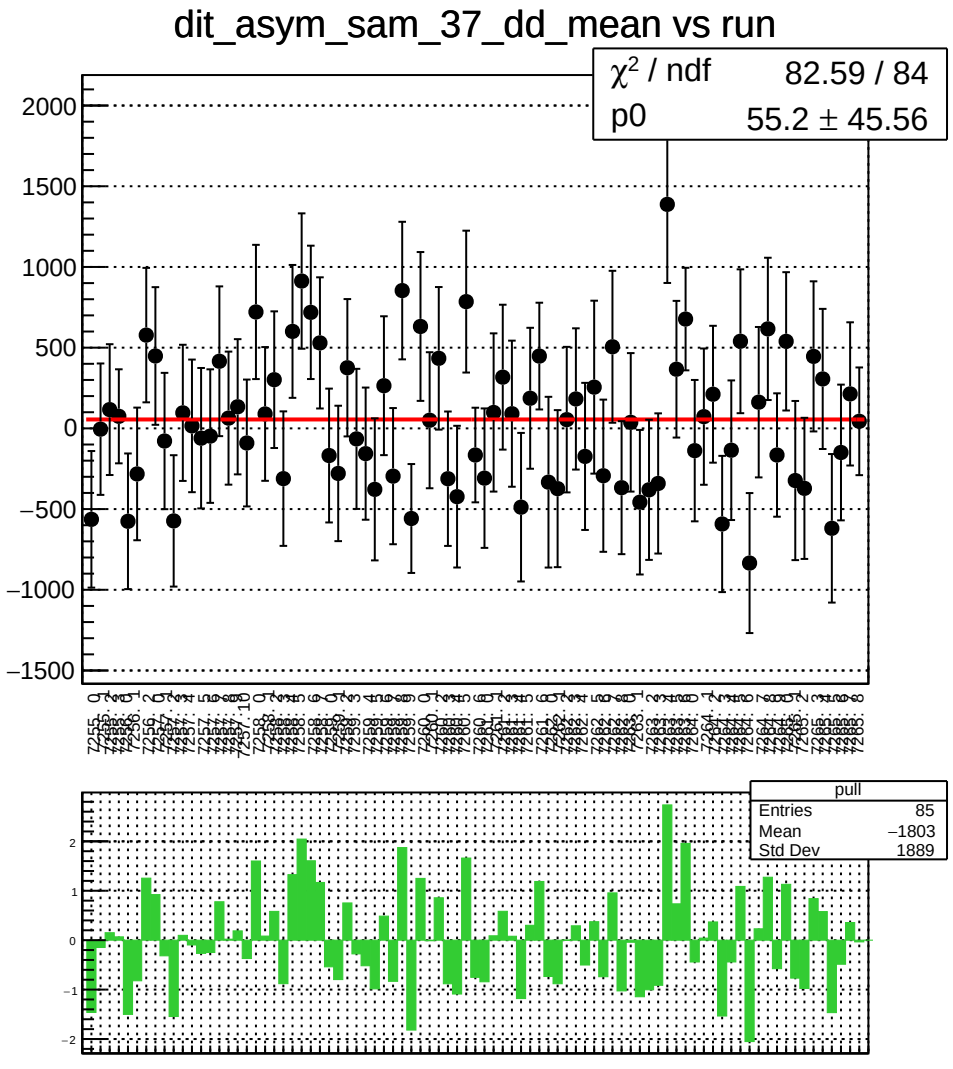

pull1D
Entries 85
Mean −0.0007237
Std Dev 1.046

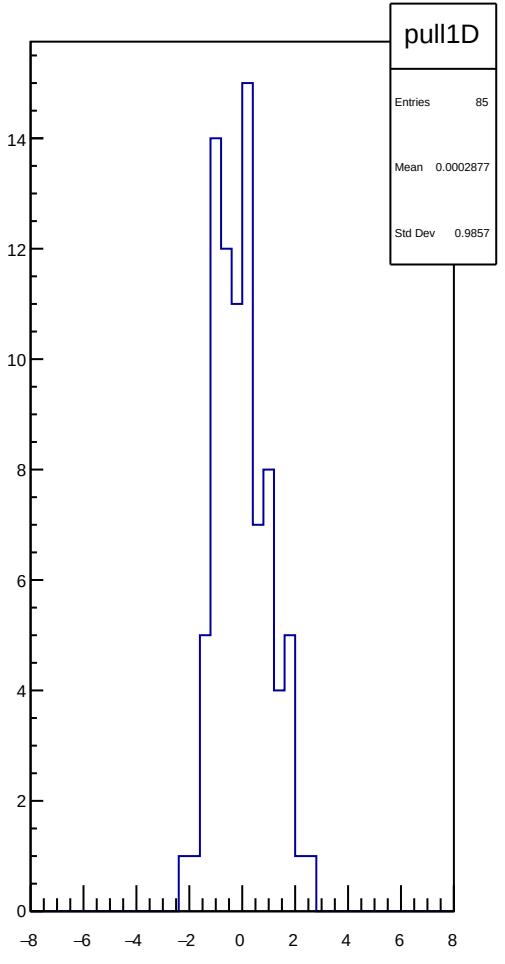

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2443 / 84
p0 1529 ± 1.192
1700
1650
1600
1550
1500
1450
1400

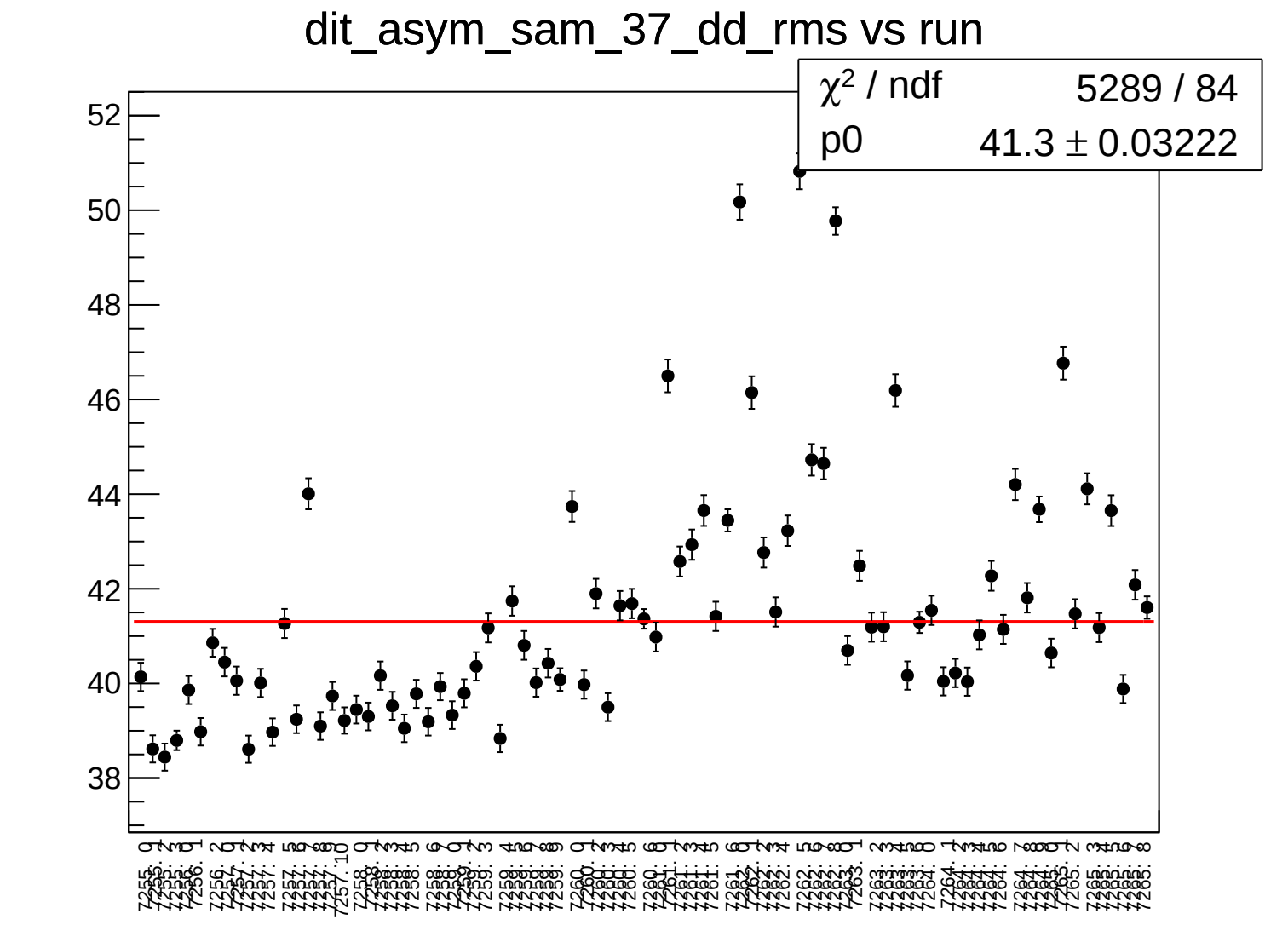

asym_sam_26_dd_mean vs run
χ² / ndf 94.95 / 84
p0 1780 ± 1664
pull
Entries 85
Mean 1894
Std Dev 1854

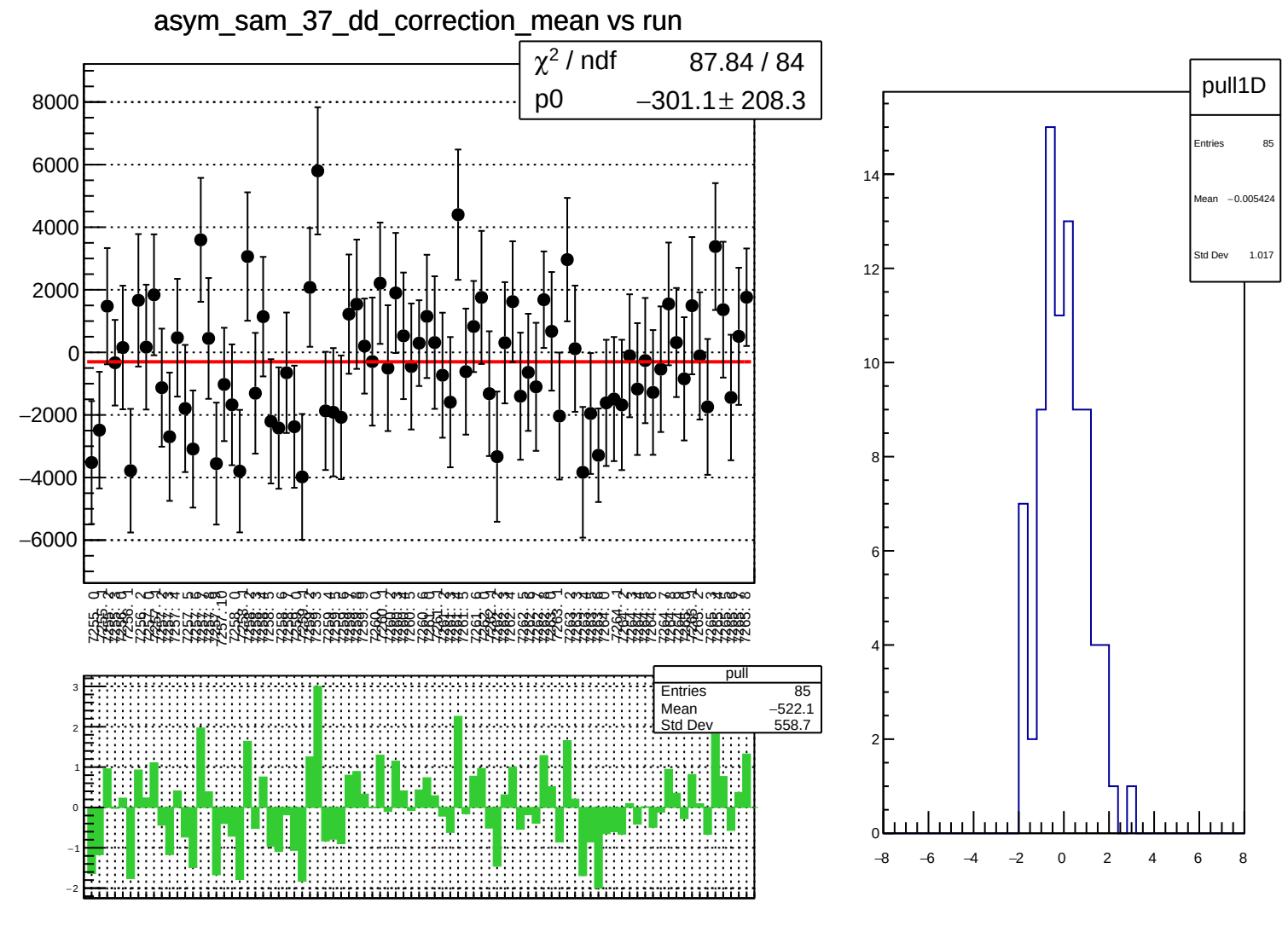

pull1D
Entries 85
Mean −0.001833
Std Dev 1.057

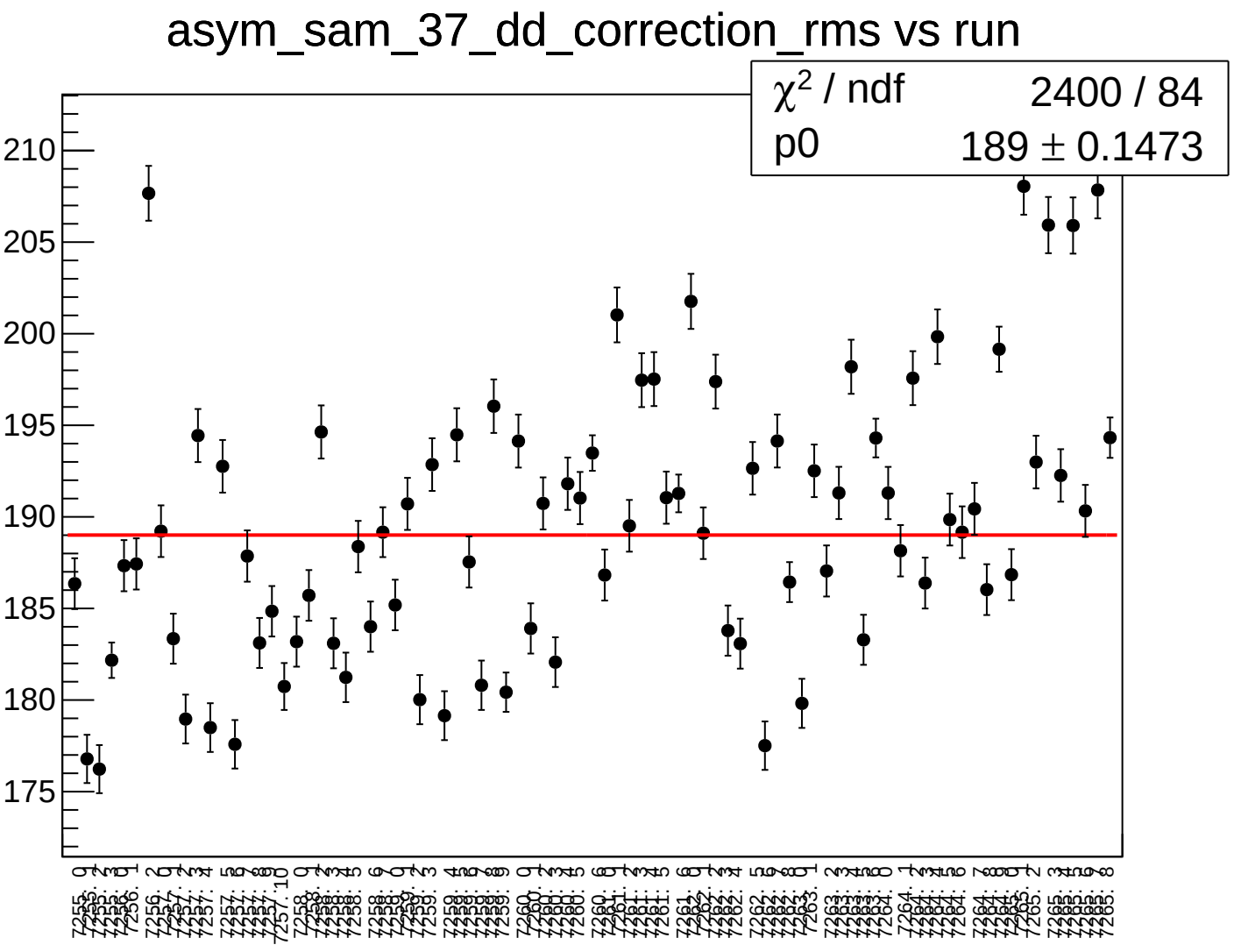

asym_sam_26_dd_rms vs run
χ² / ndf 2552 / 84
p0 1510 ± 1.177
1650
1600
1550
1500
1450
1400

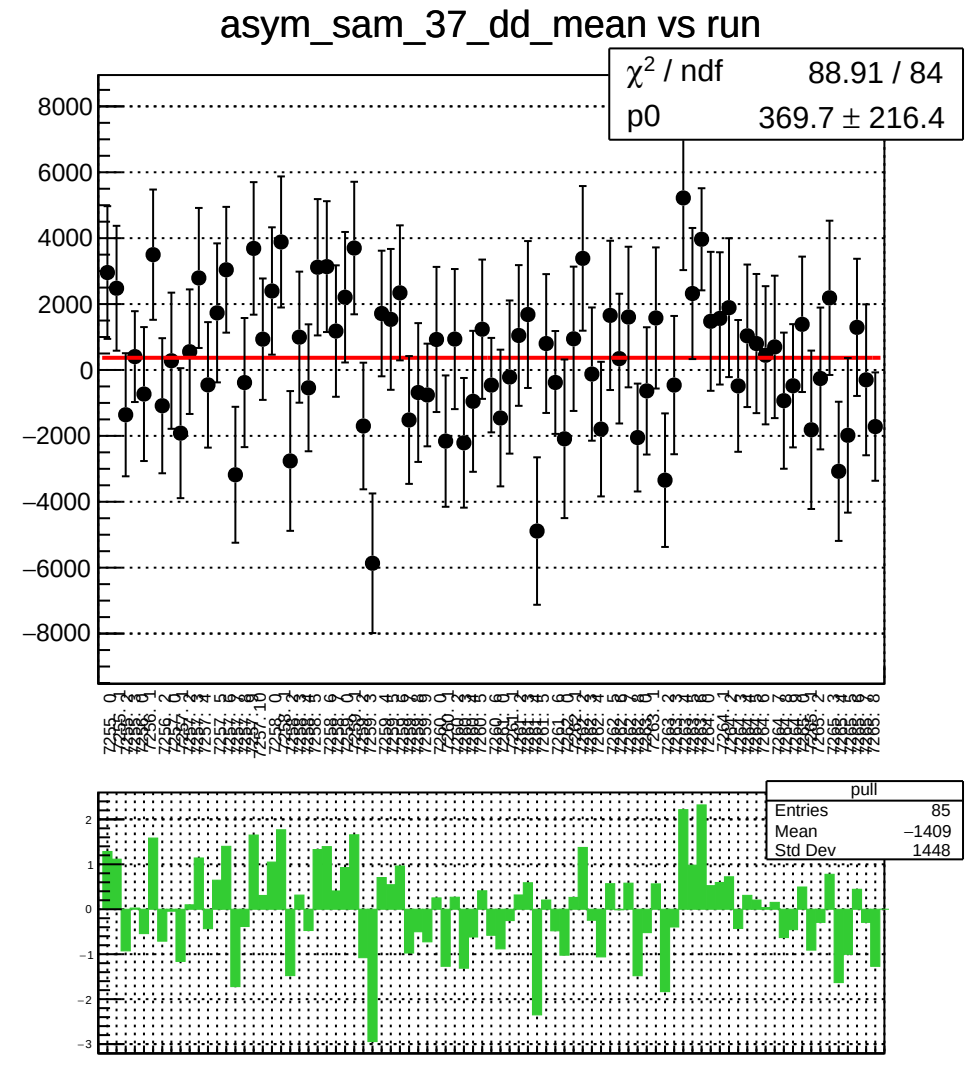

dit_asym_sam_37_dd_mean vs run
χ² / ndf 82.59 / 84
p0 55.2 ± 45.56
pull
Entries 85
Mean −1803
Std Dev 1889

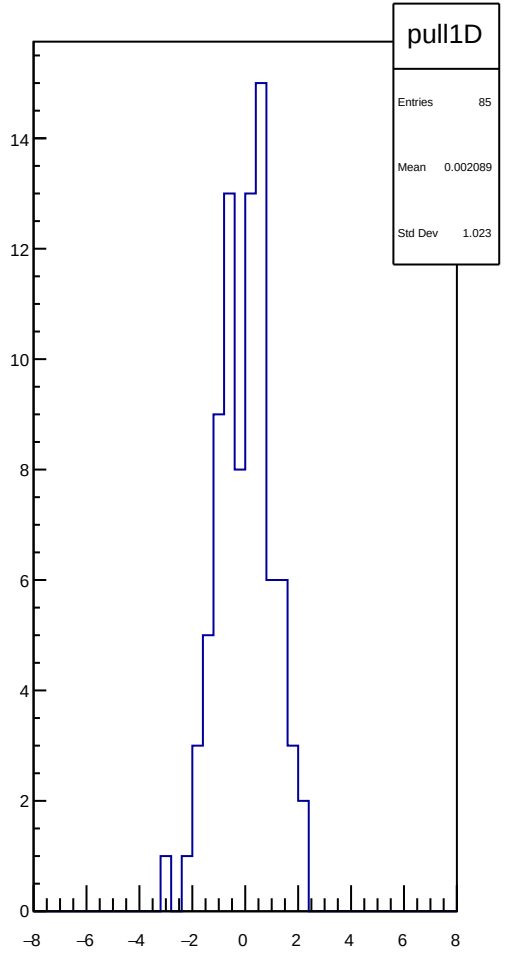

pull1D
Entries 85
Mean 0.0002877
Std Dev 0.9857

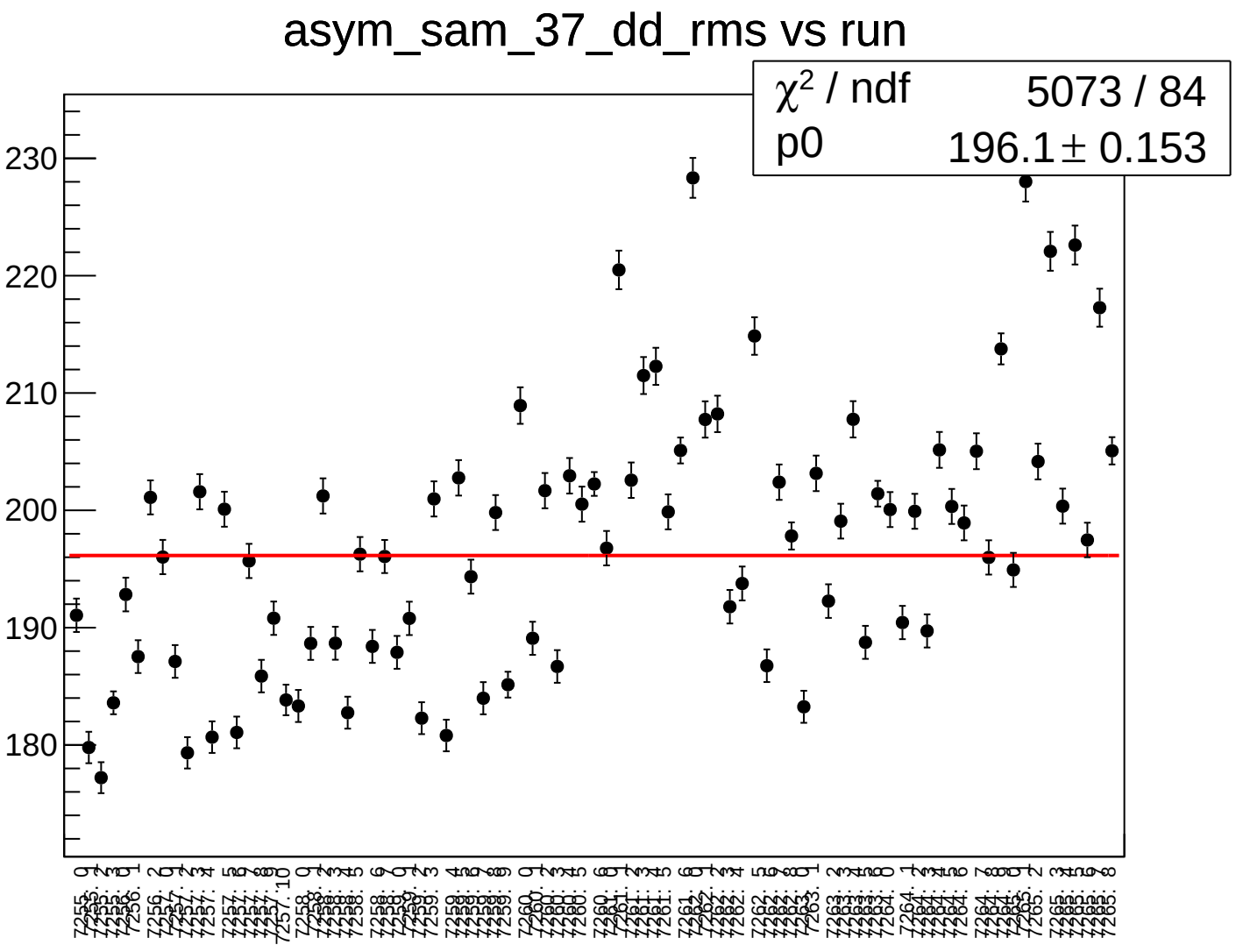

dit_asym_sam_37_dd_rms vs run
χ² / ndf 5289 / 84
p0 41.3 ± 0.03222
52
50
48
46
44
42
40
38

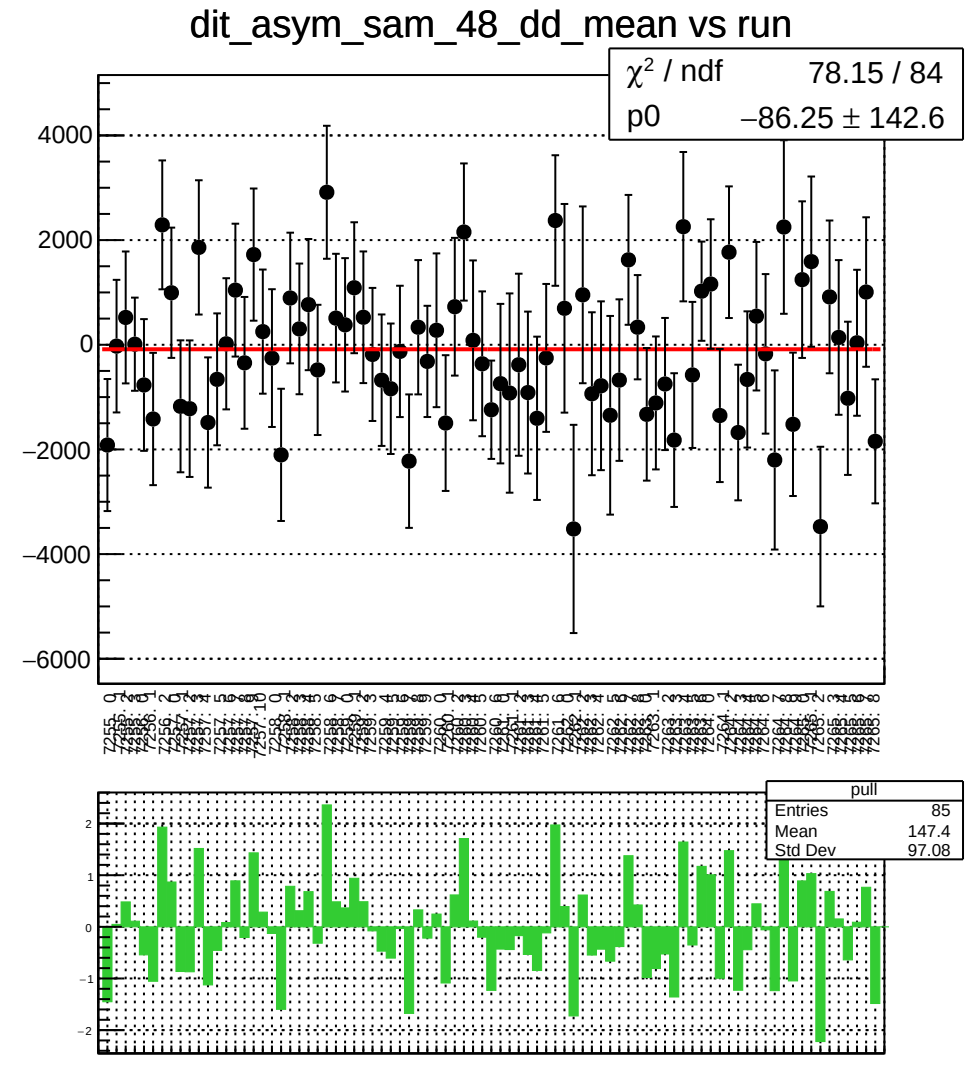

asym_sam_37_dd_correction_mean vs run
χ² / ndf 87.84 / 84
p0 −301.1± 208.3
pull
Entries 85
Mean −522.1
Std Dev 558.7
pull1D
Entries 85
Mean −0.005424
Std Dev 1.017

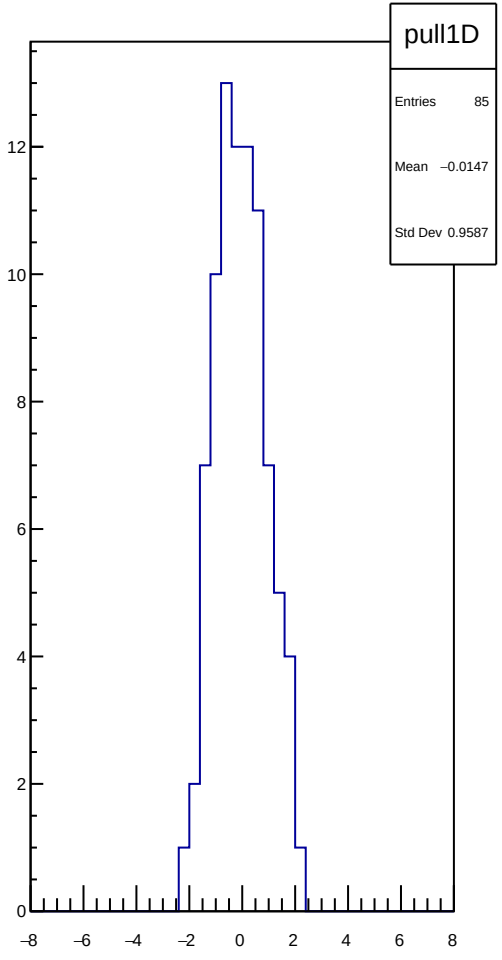

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2400 / 84
p0 189 ± 0.1473
210
205
200
195
190
185
180
175

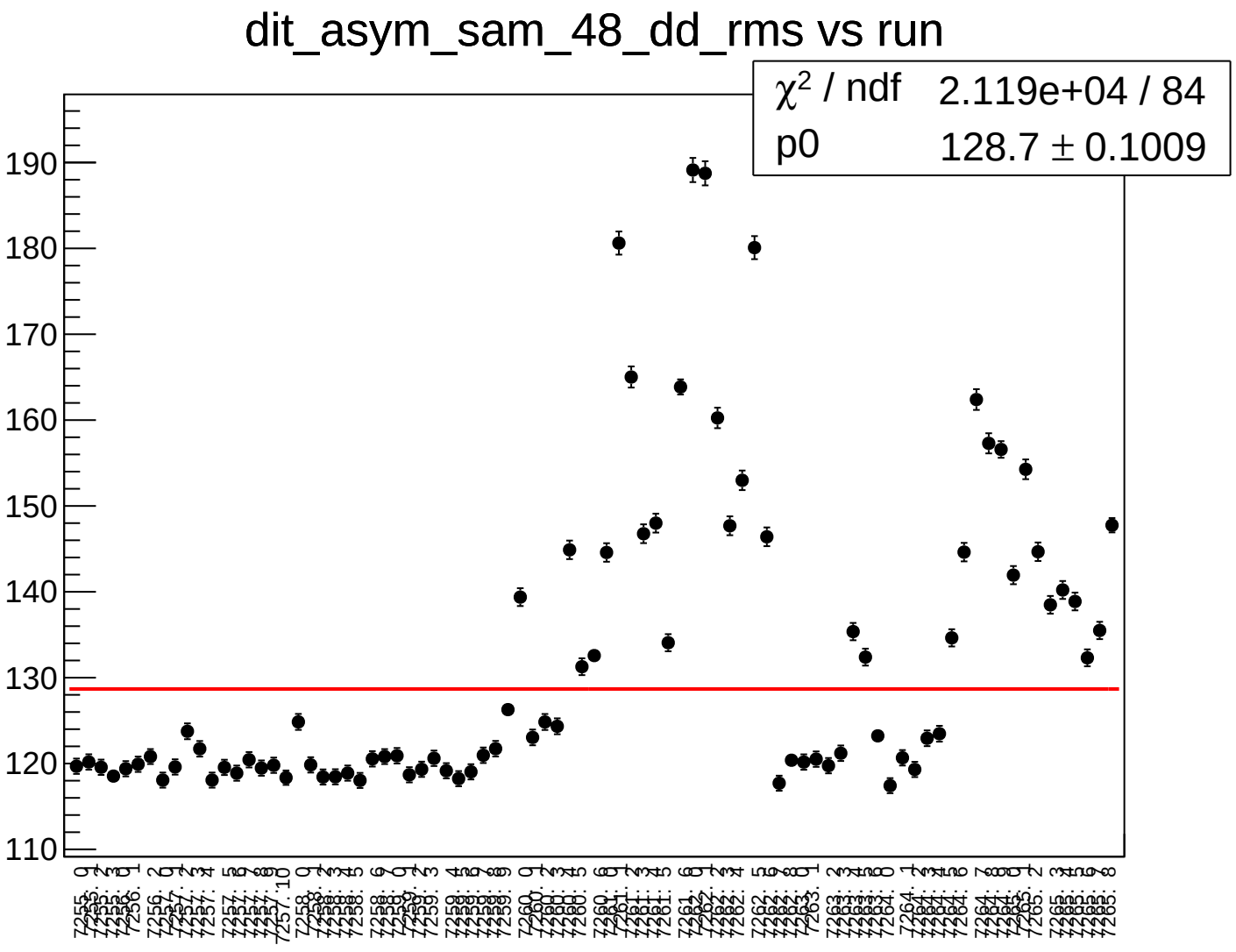

asym_sam_37_dd_mean vs run
χ² / ndf 88.91 / 84
p0 369.7 ± 216.4
pull
Entries 85
Mean −1409
Std Dev 1448

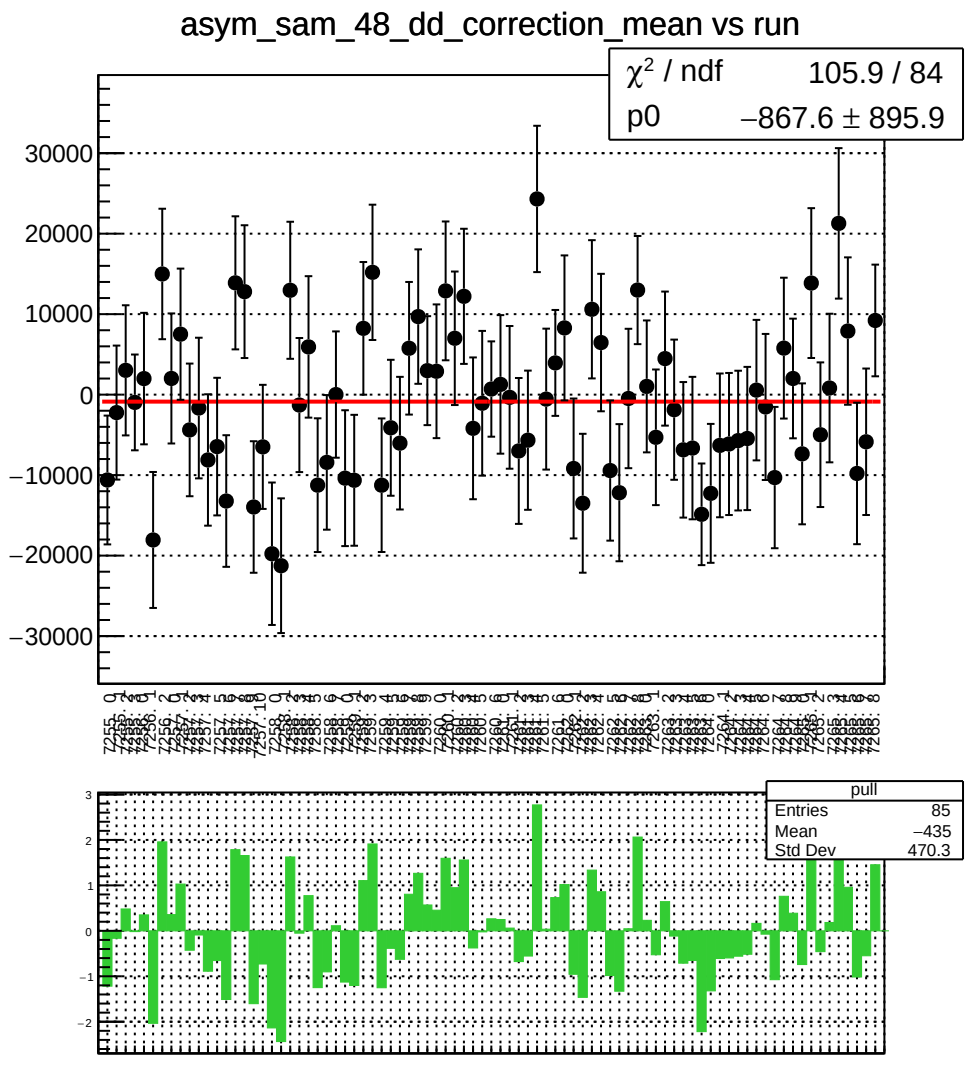

pull1D
Entries 85
Mean 0.002089
Std Dev 1.023

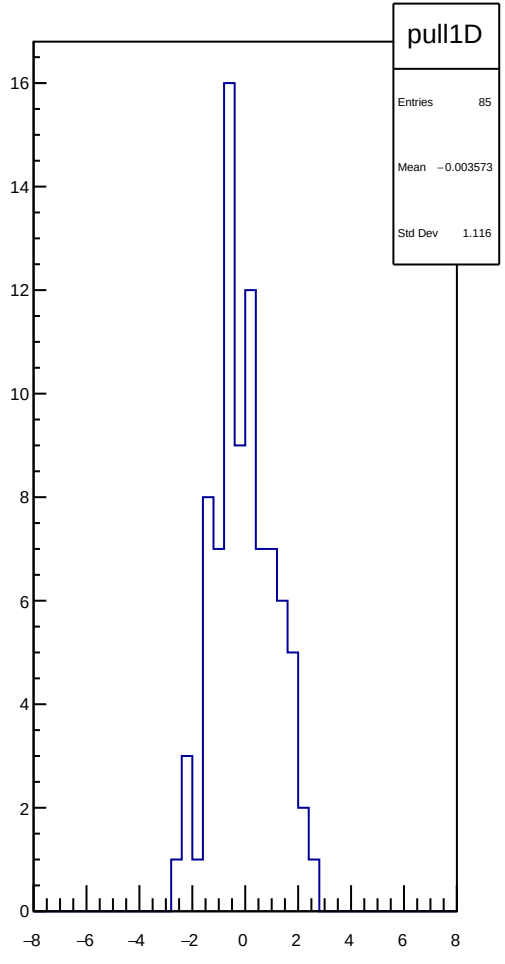

asym_sam_37_dd_rms vs run
χ^2 / ndf 5073 / 84
p0 196.1 ± 0.153
230
220
210
200
190
180

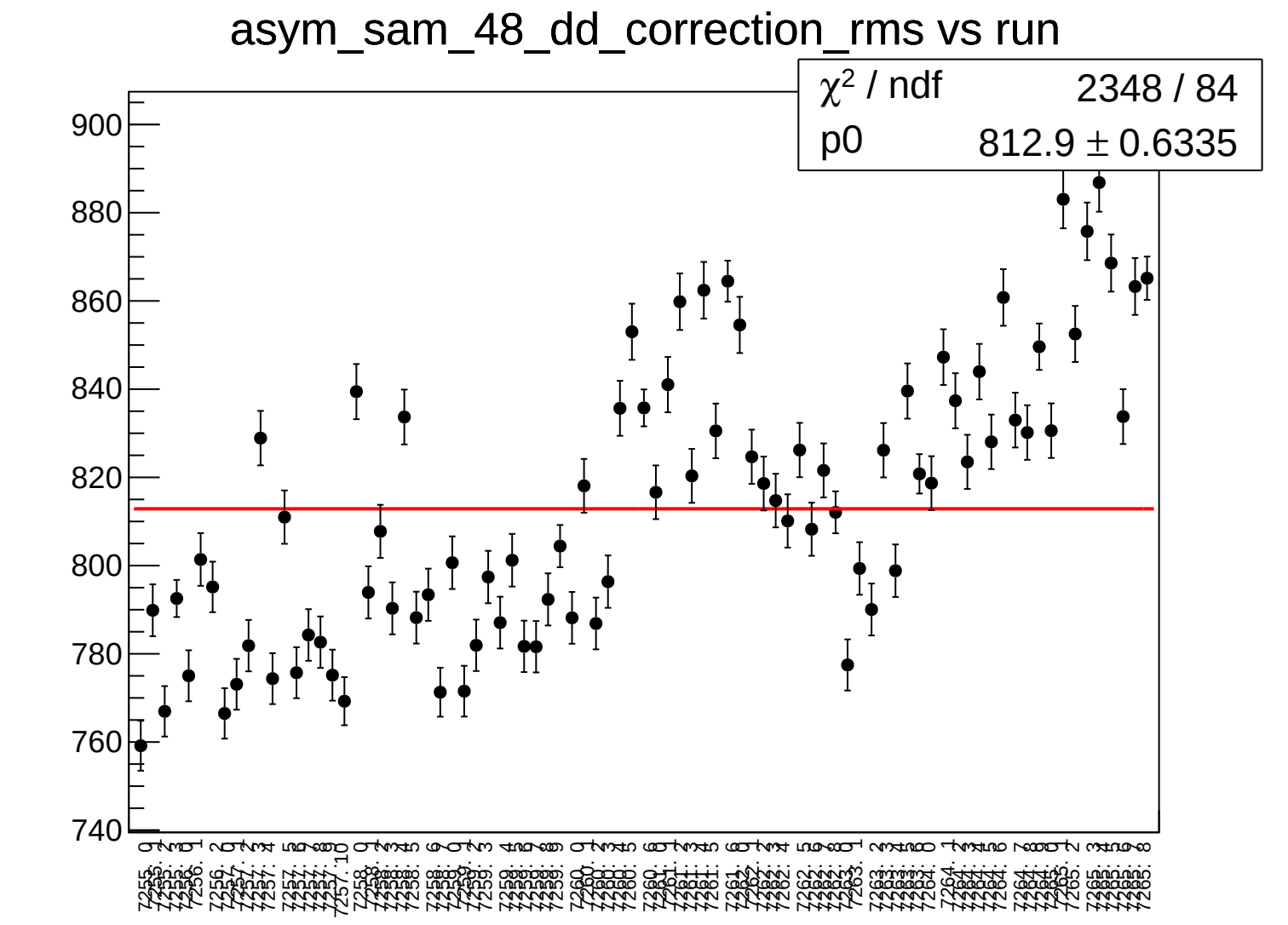

dit_asym_sam_48_dd_mean vs run
χ² / ndf 78.15 / 84
p0 −86.25 ± 142.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 85
Mean 147.4
Std Dev 97.08
2
1
0
−1
−2

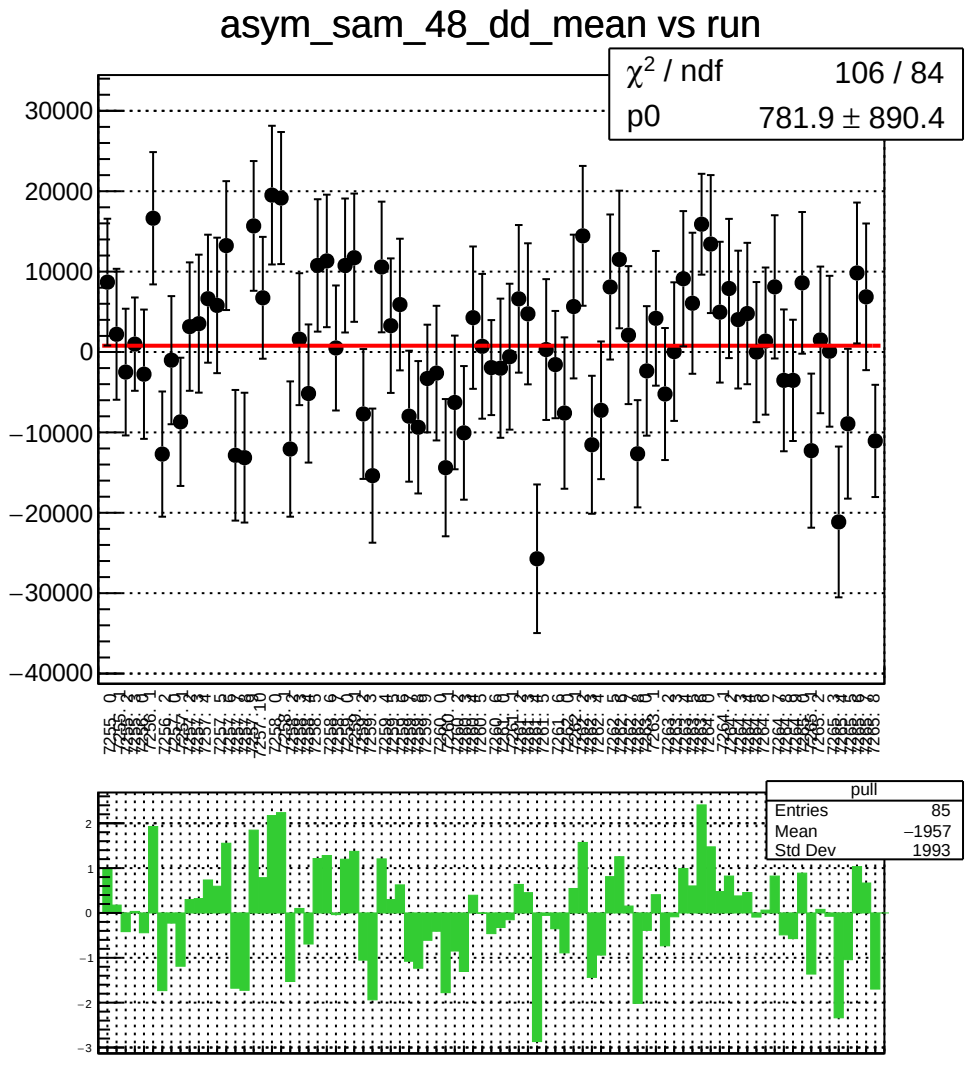

pull1D
Entries 85
Mean −0.0147
Std Dev 0.9587
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

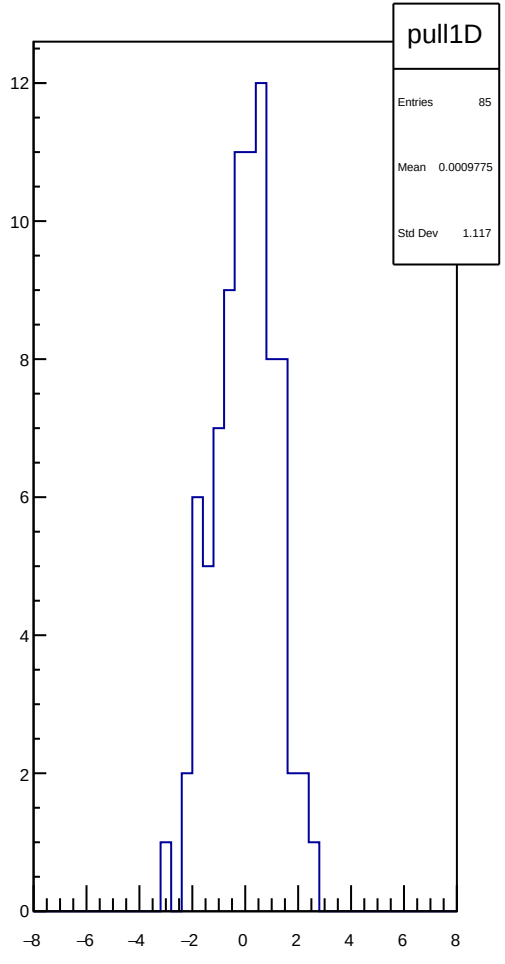

dit_asym_sam_48_dd_rms vs run
χ² / ndf 2.119e+04 / 84
p0 128.7 ± 0.1009
190
180
170
160
150
140
130
120
110

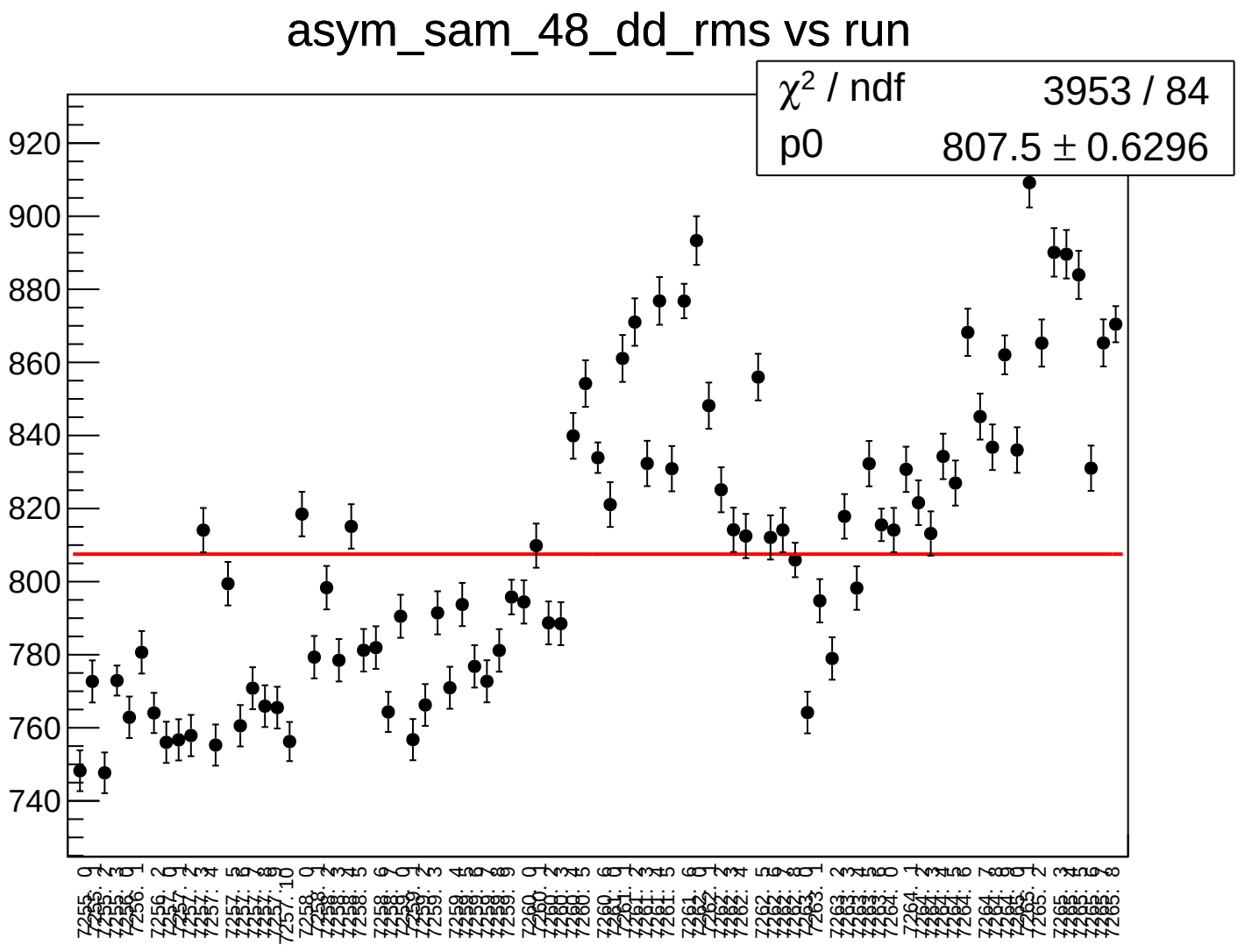

asym_sam_48_dd_correction_mean vs run
χ² / ndf 105.9 / 84
p0 −867.6 ± 895.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −435
Std Dev 470.3
3
2
1
0
−1
−2

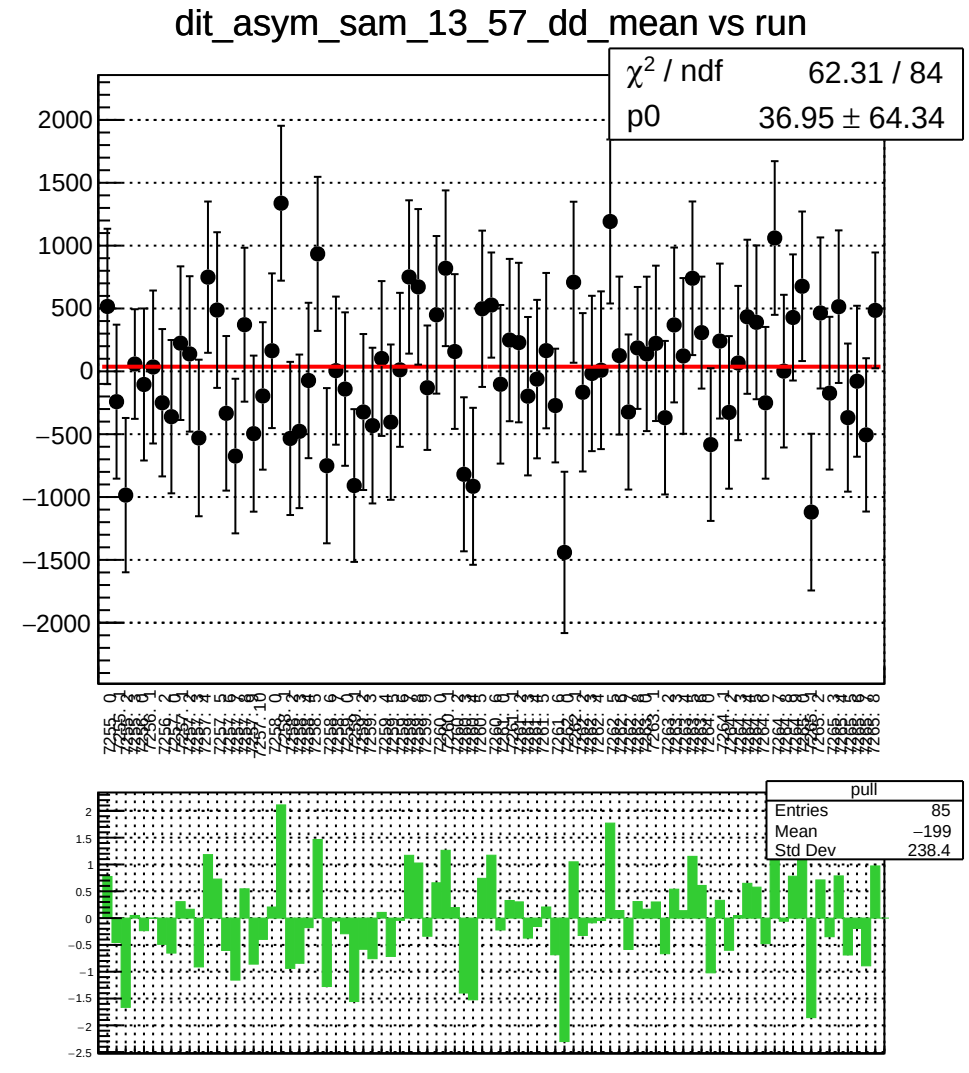

pull1D
Entries 85
Mean −0.003573
Std Dev 1.116
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

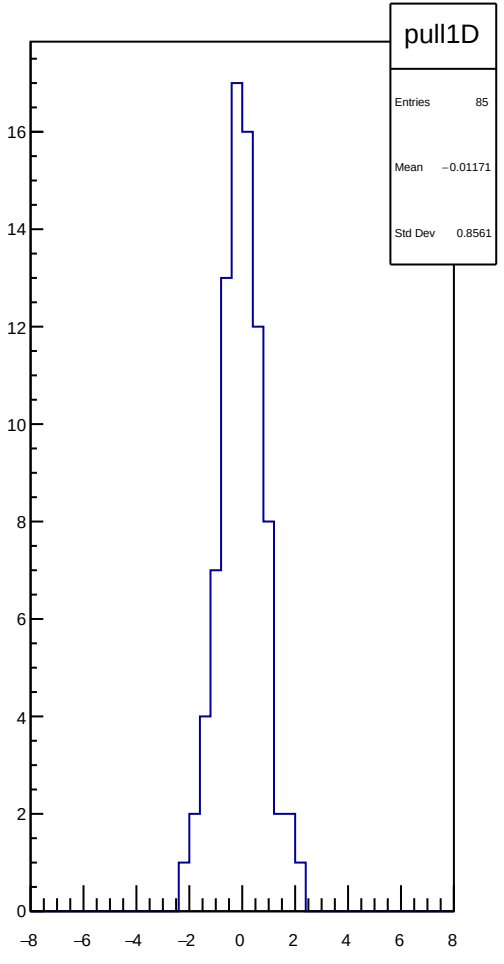

asym_sam_48_dd_correction_rms vs run
χ^2 / ndf 2348 / 84
p0 812.9 ± 0.6335
900
880
860
840
820
800
780
760
740

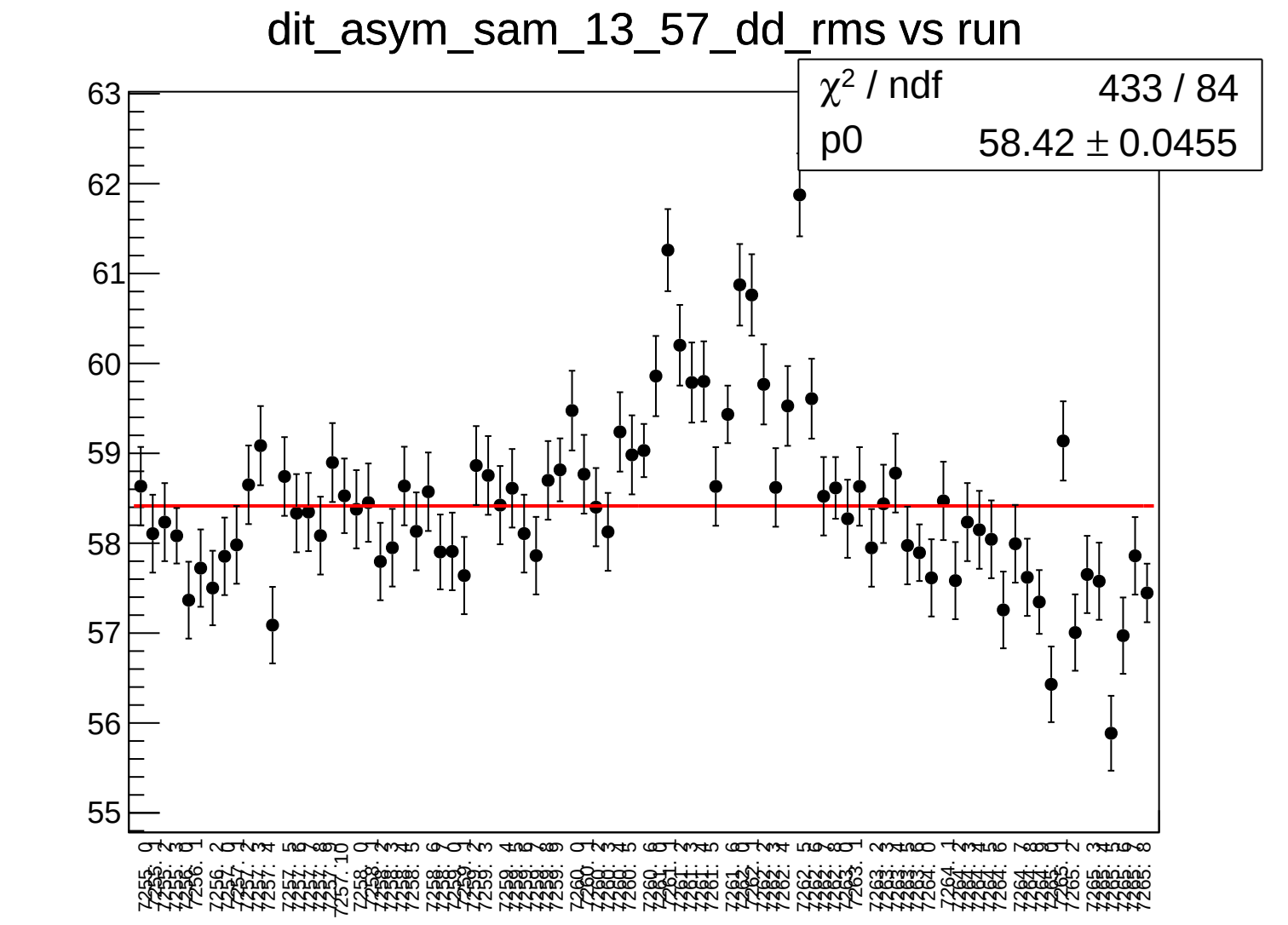

asym_sam_48_dd_mean vs run
χ² / ndf 106 / 84
p0 781.9 ± 890.4
pull
Entries 85
Mean −1957
Std Dev 1993

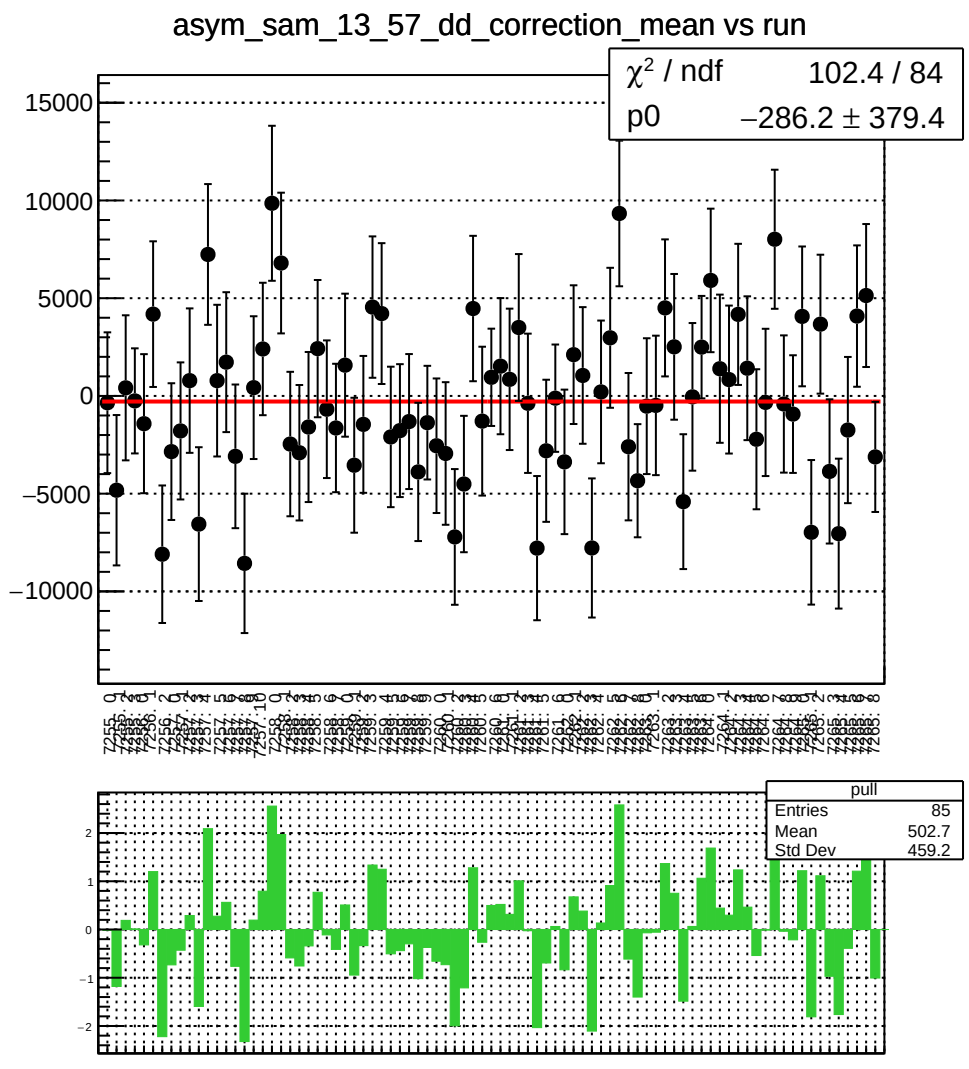

pull1D
Entries 85
Mean 0.0009775
Std Dev 1.117

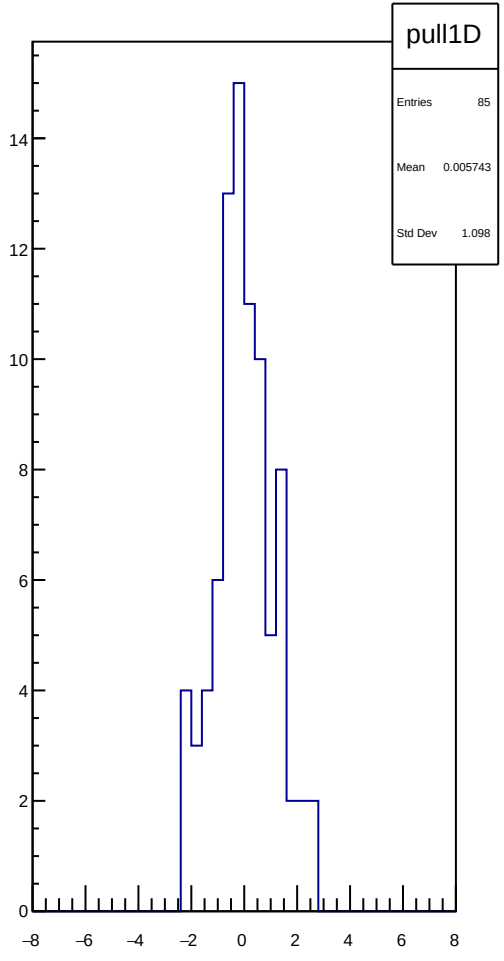

asym_sam_48_dd_rms vs run
χ² / ndf 3953 / 84
p0 807.5 ± 0.6296
920
900
880
860
840
820
800
780
760
740

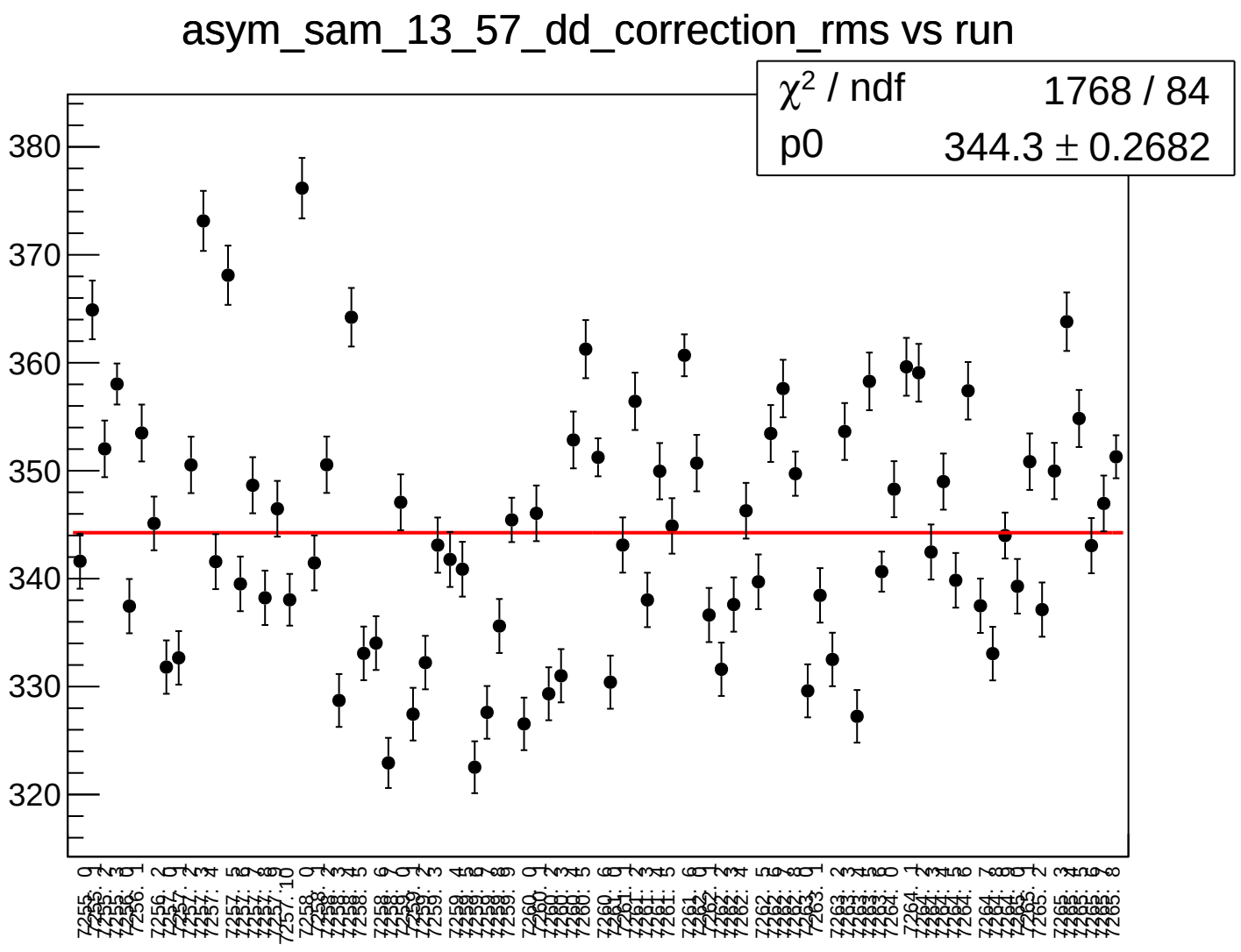

dit_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 62.31 / 84
p0 36.95 ± 64.34
pull
Entries 85
Mean −199
Std Dev 238.4

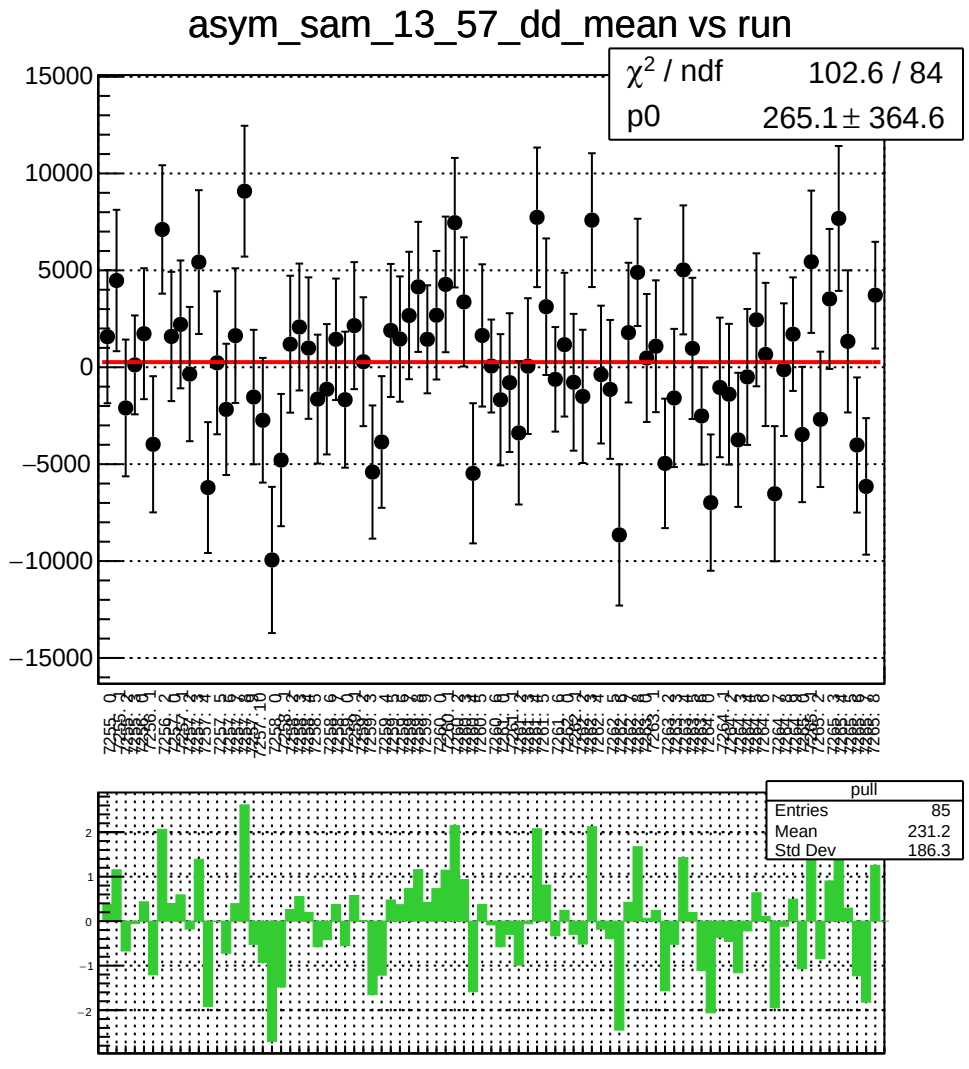

pull1D
Entries 85
Mean −0.01171
Std Dev 0.8561

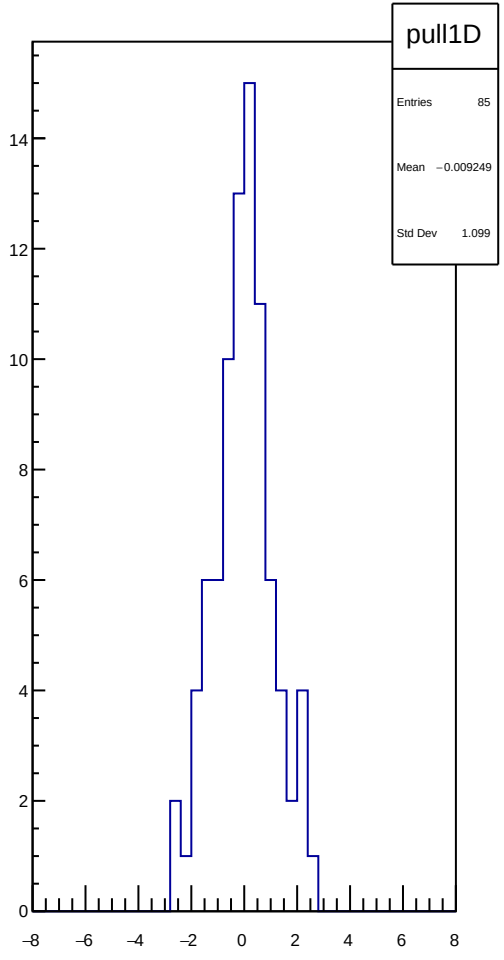

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 433 / 84
p0 58.42 ± 0.0455
63
62
61
60
59
58
57
56
55

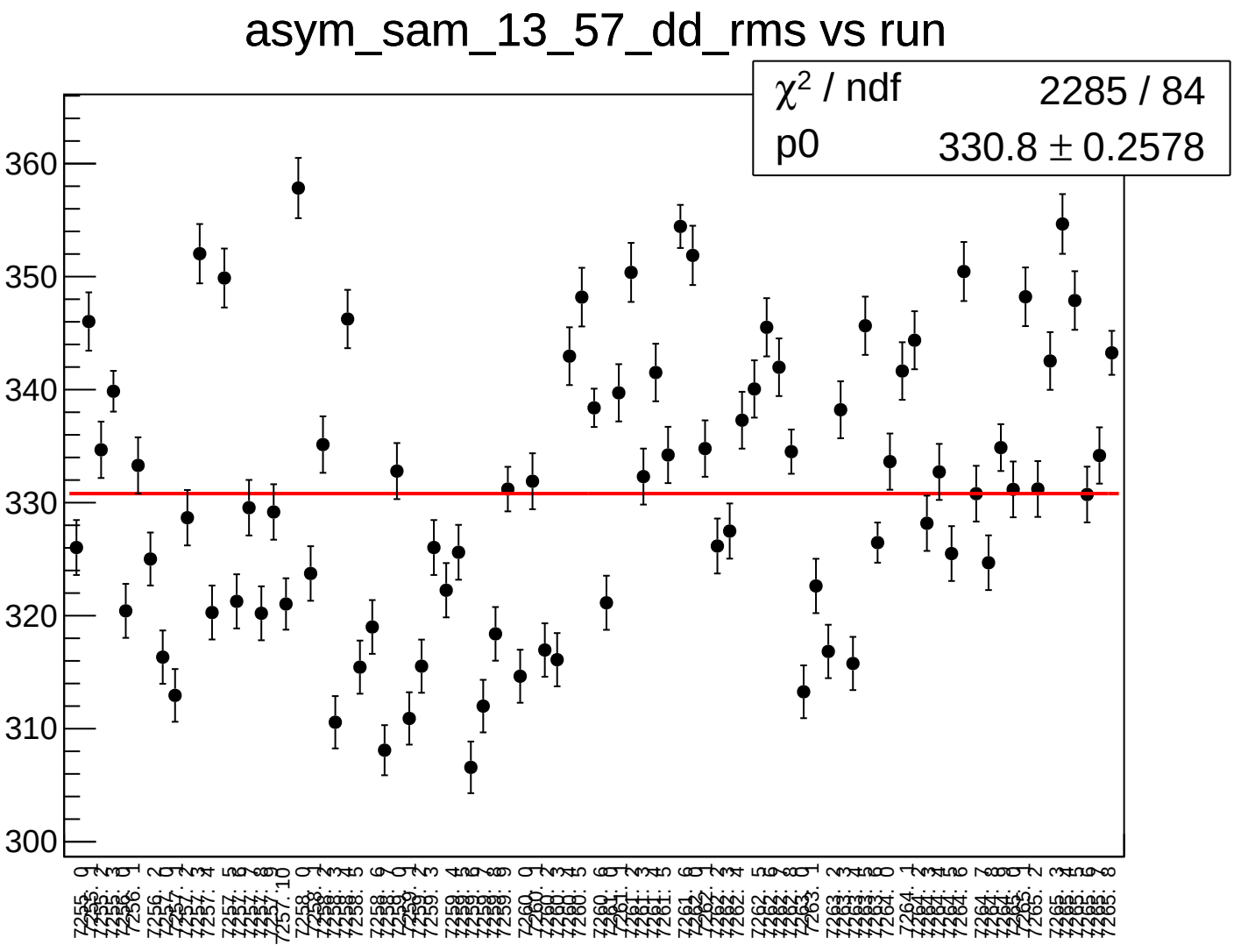

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 102.4 / 84
p0 −286.2 ± 379.4
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 502.7
Std Dev 459.2
2
1
0
−1
−2

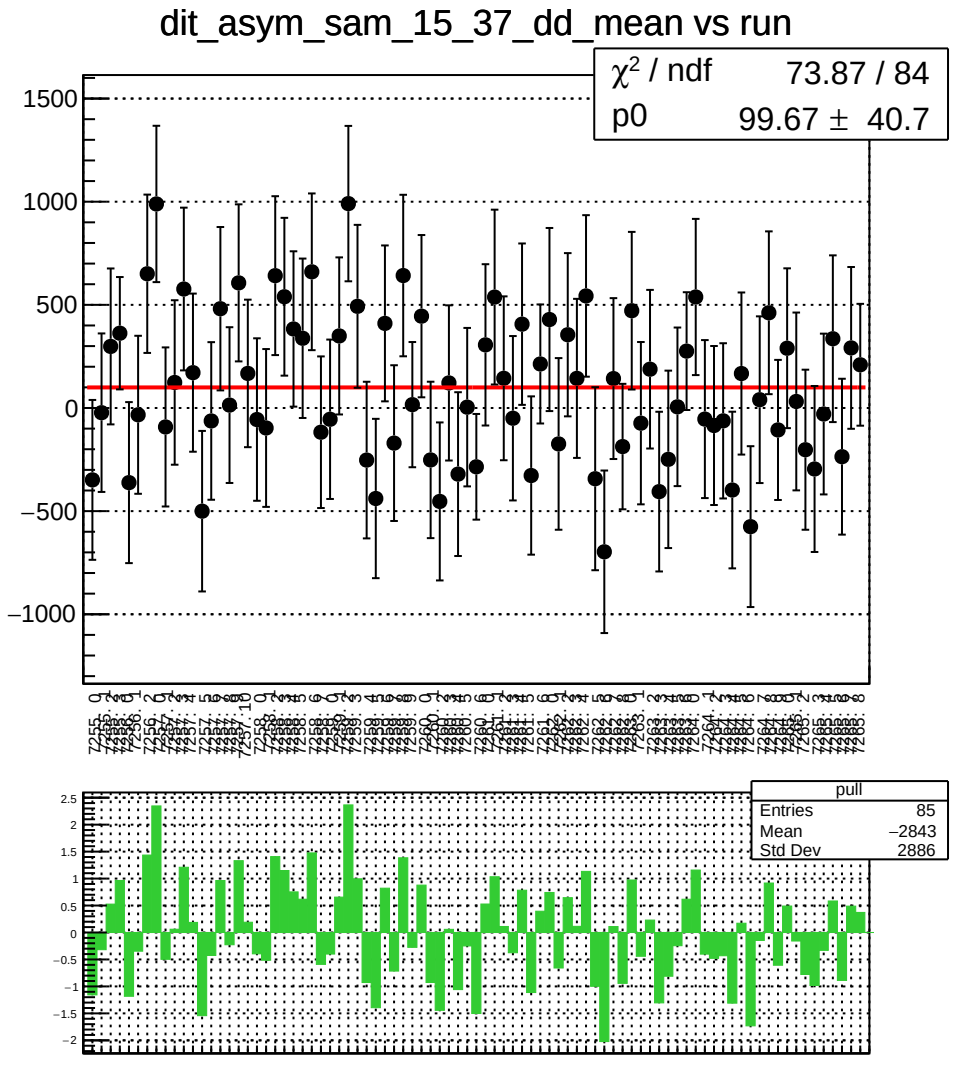

pull1D
Entries 85
Mean 0.005743
Std Dev 1.098
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

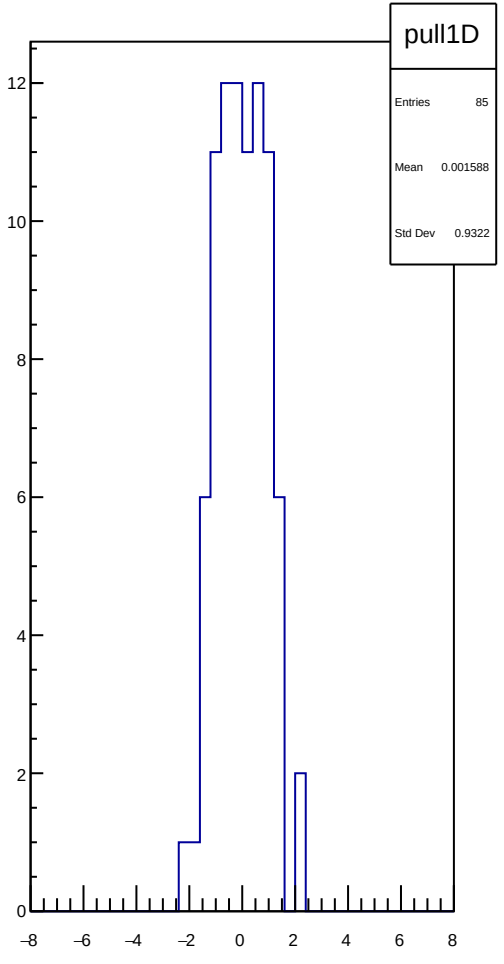

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1768 / 84
p0 344.3 ± 0.2682
380
370
360
350
340
330
320

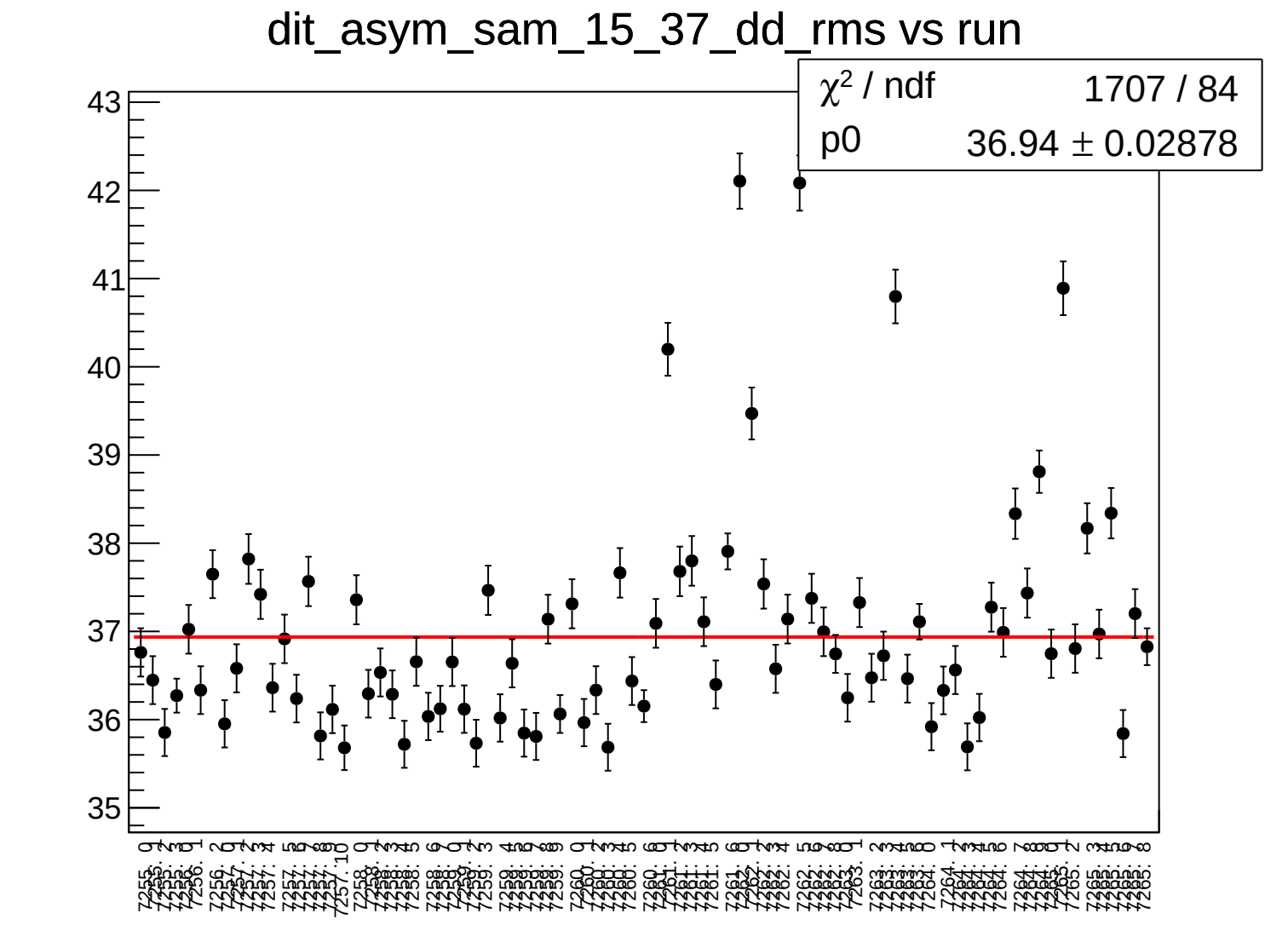

asym_sam_13_57_dd_mean vs run
χ² / ndf 102.6 / 84
p0 265.1 ± 364.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 231.2
Std Dev 186.3
2
1
0
−1
−2

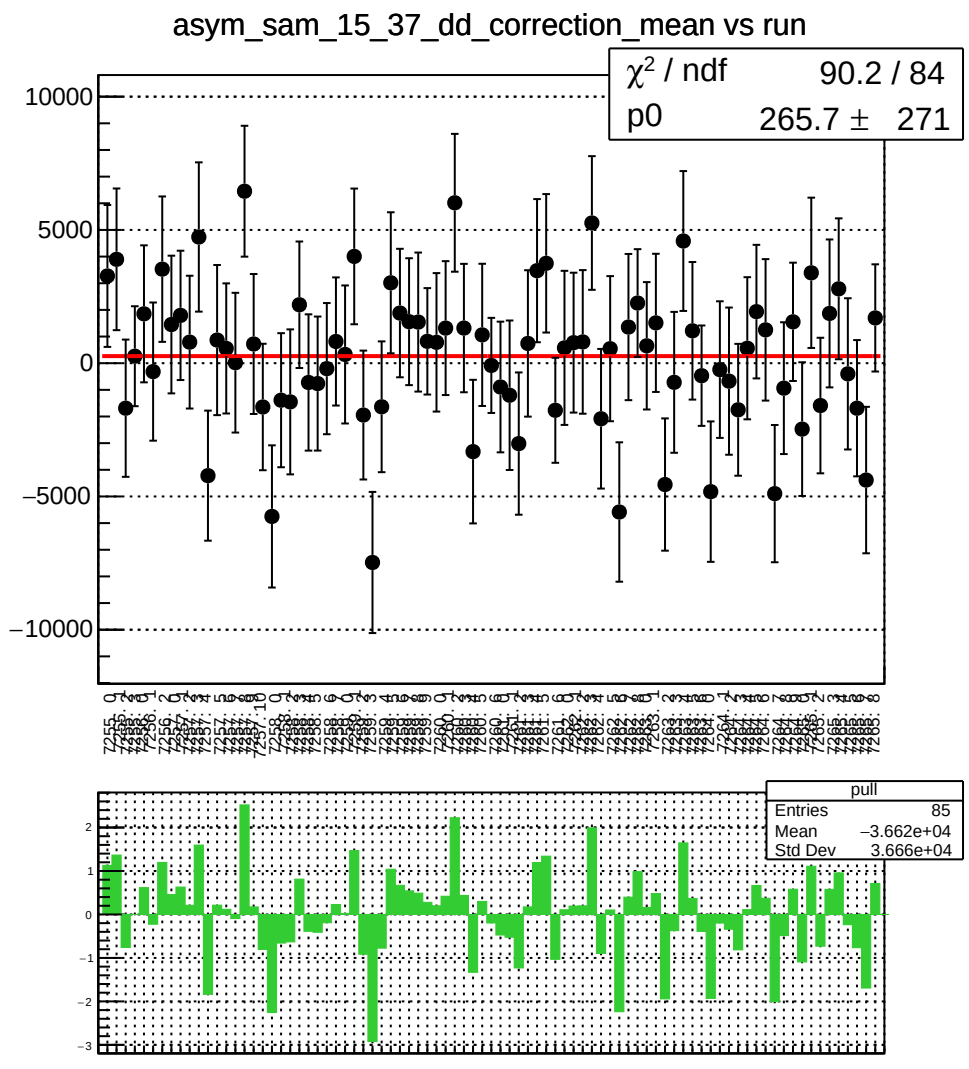

pull1D
Entries 85
Mean −0.009249
Std Dev 1.099
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

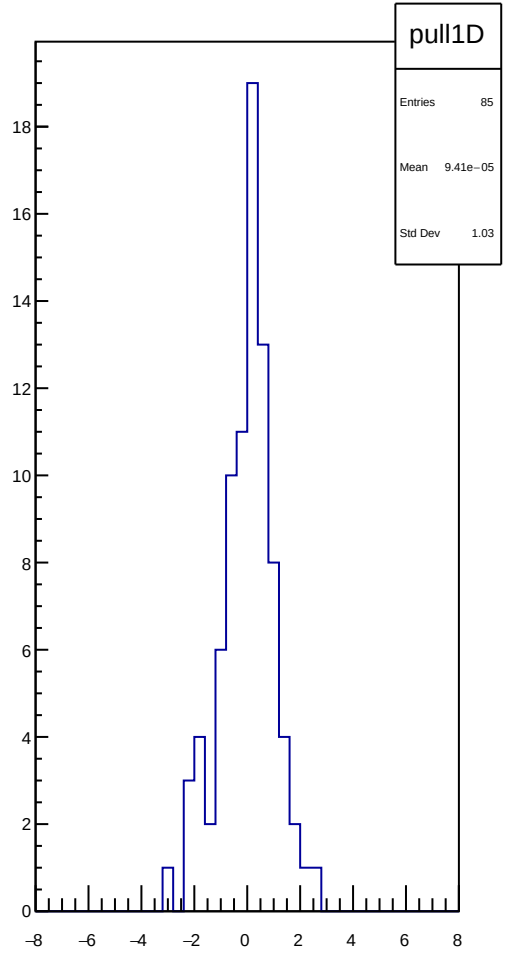

asym_sam_13_57_dd_rms vs run
χ² / ndf 2285 / 84
p0 330.8 ± 0.2578
360
350
340
330
320
310
300

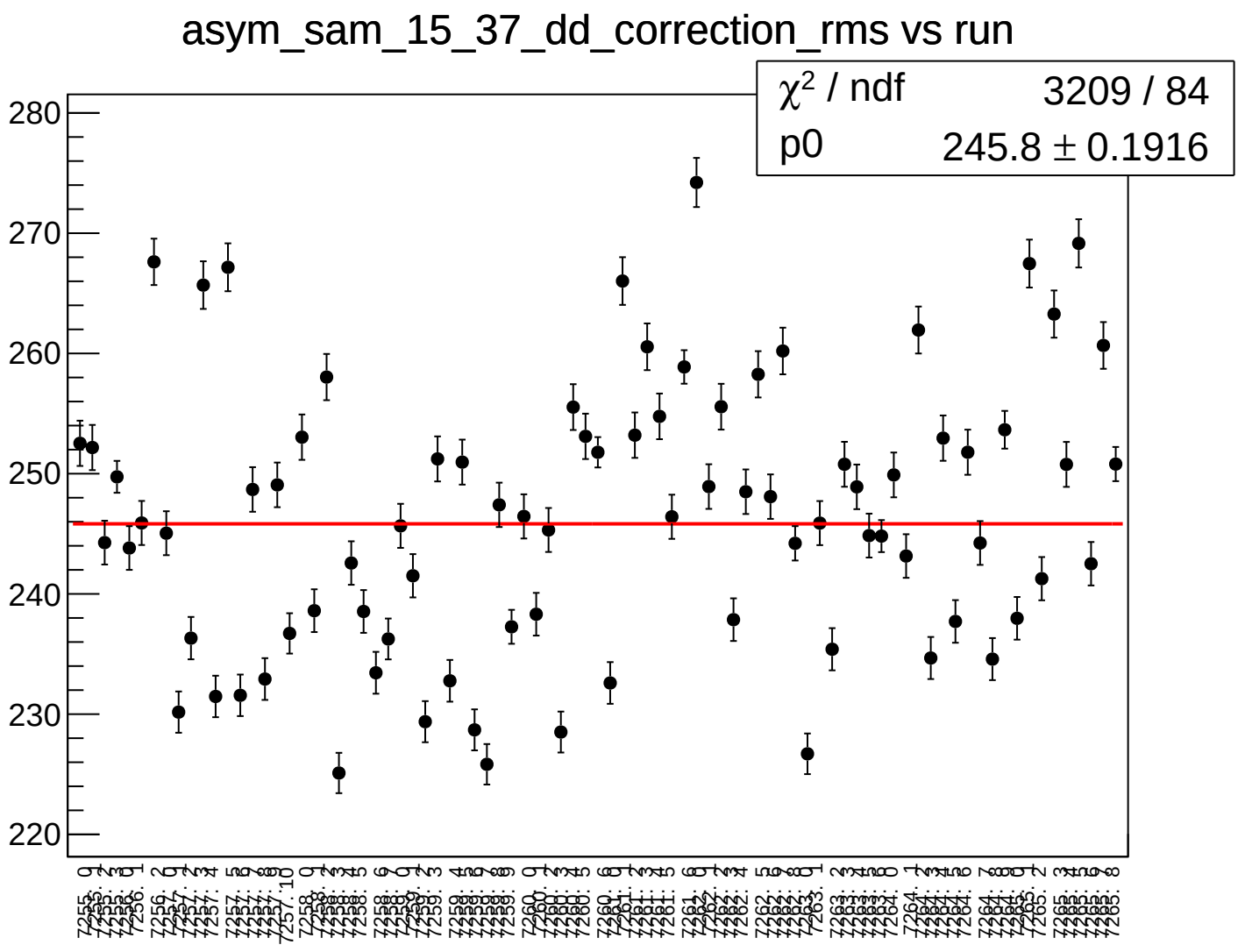

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 73.87 / 84
p0 99.67 ± 40.7
1500
1000
500
0
−500
−1000
pull
Entries 85
Mean −2843
Std Dev 2886
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

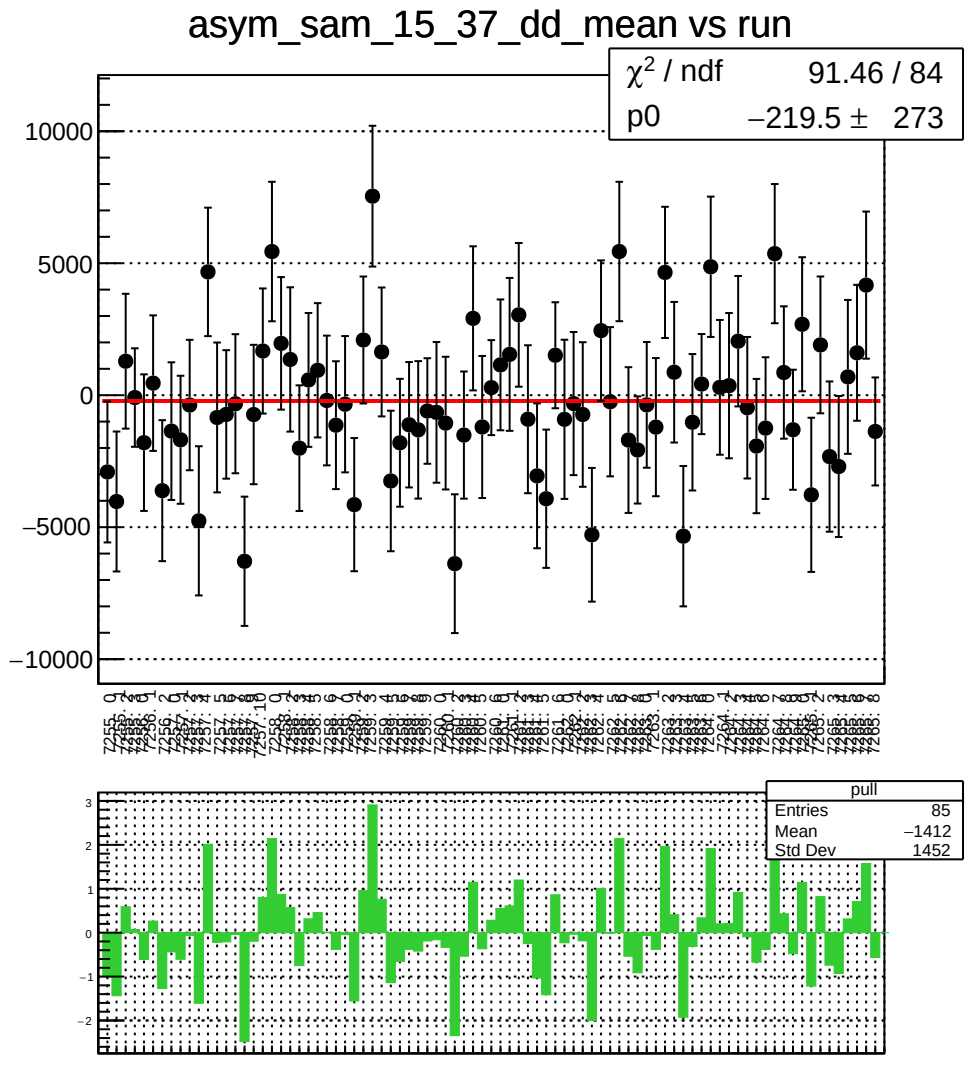

pull1D
Entries 85
Mean 0.001588
Std Dev 0.9322
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

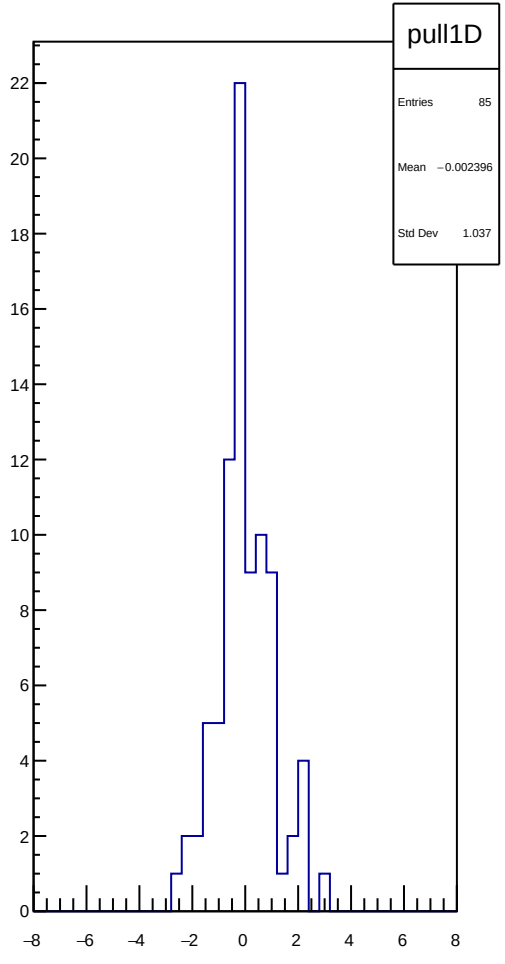

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1707 / 84
p0 36.94 ± 0.02878
43
42
41
40
39
38
37
36
35

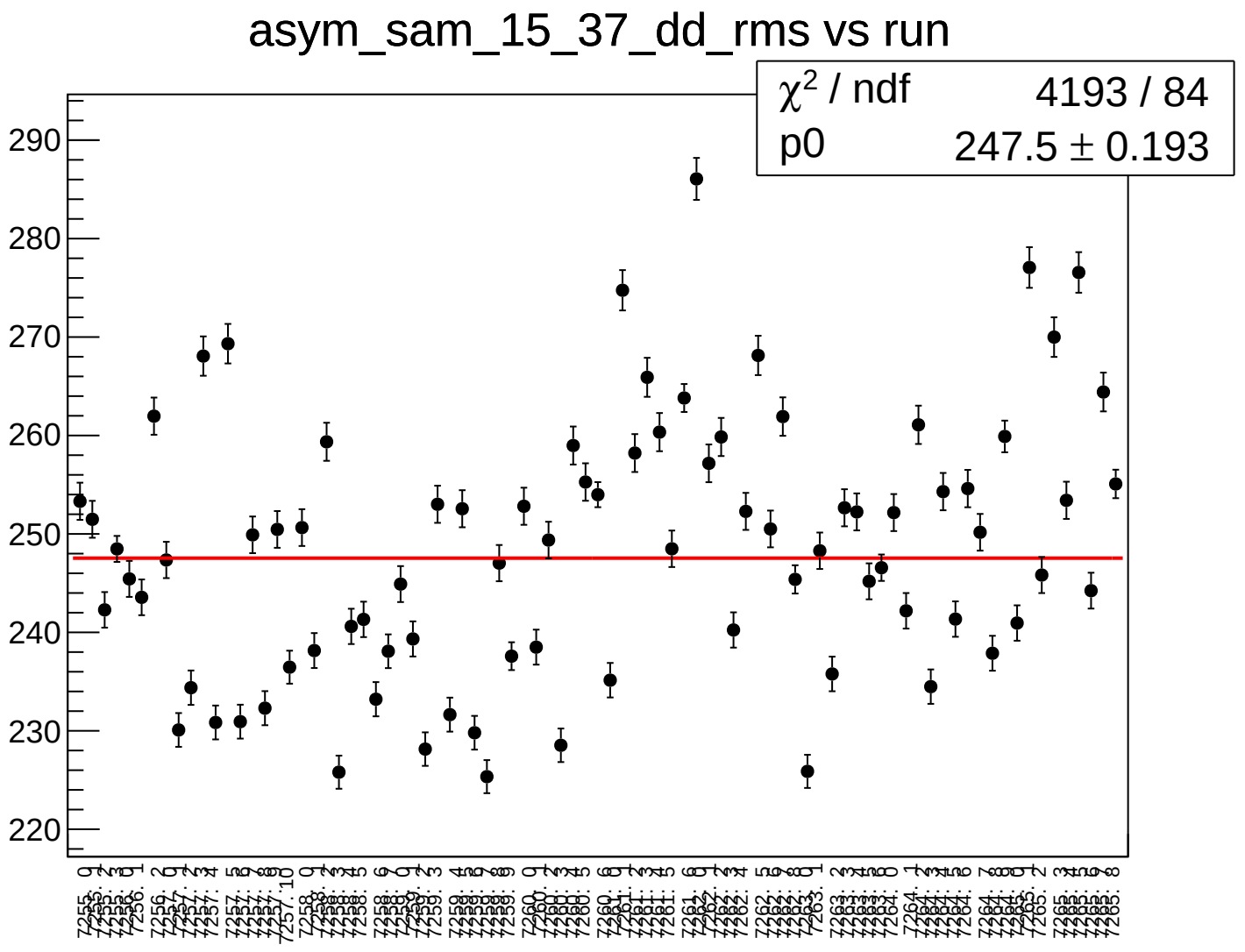

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 90.2 / 84
p0 265.7 ± 271
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −3.662e+04
Std Dev 3.666e+04
2
1
0
−1
−2
−3

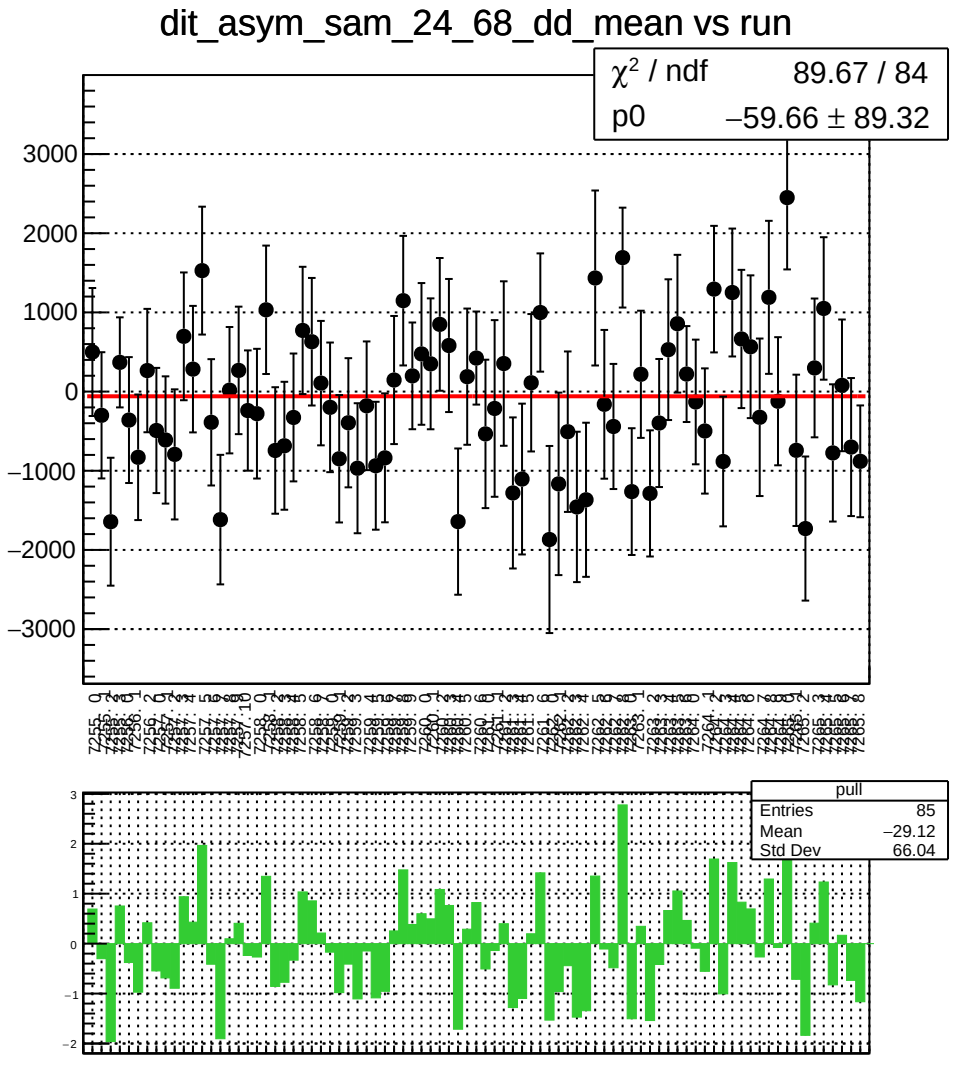

pull1D
Entries 85
Mean 9.41e−05
Std Dev 1.03
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

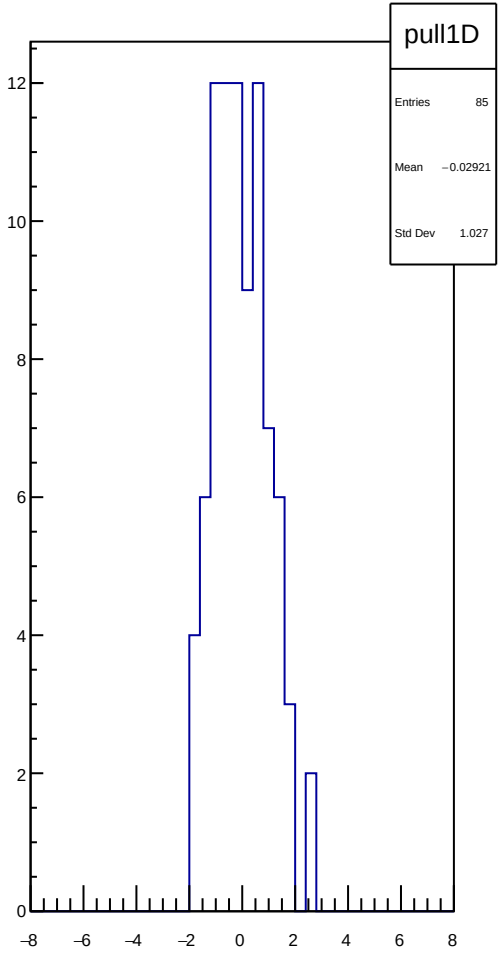

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3209 / 84
p0 245.8 ± 0.1916
280
270
260
250
240
230
220

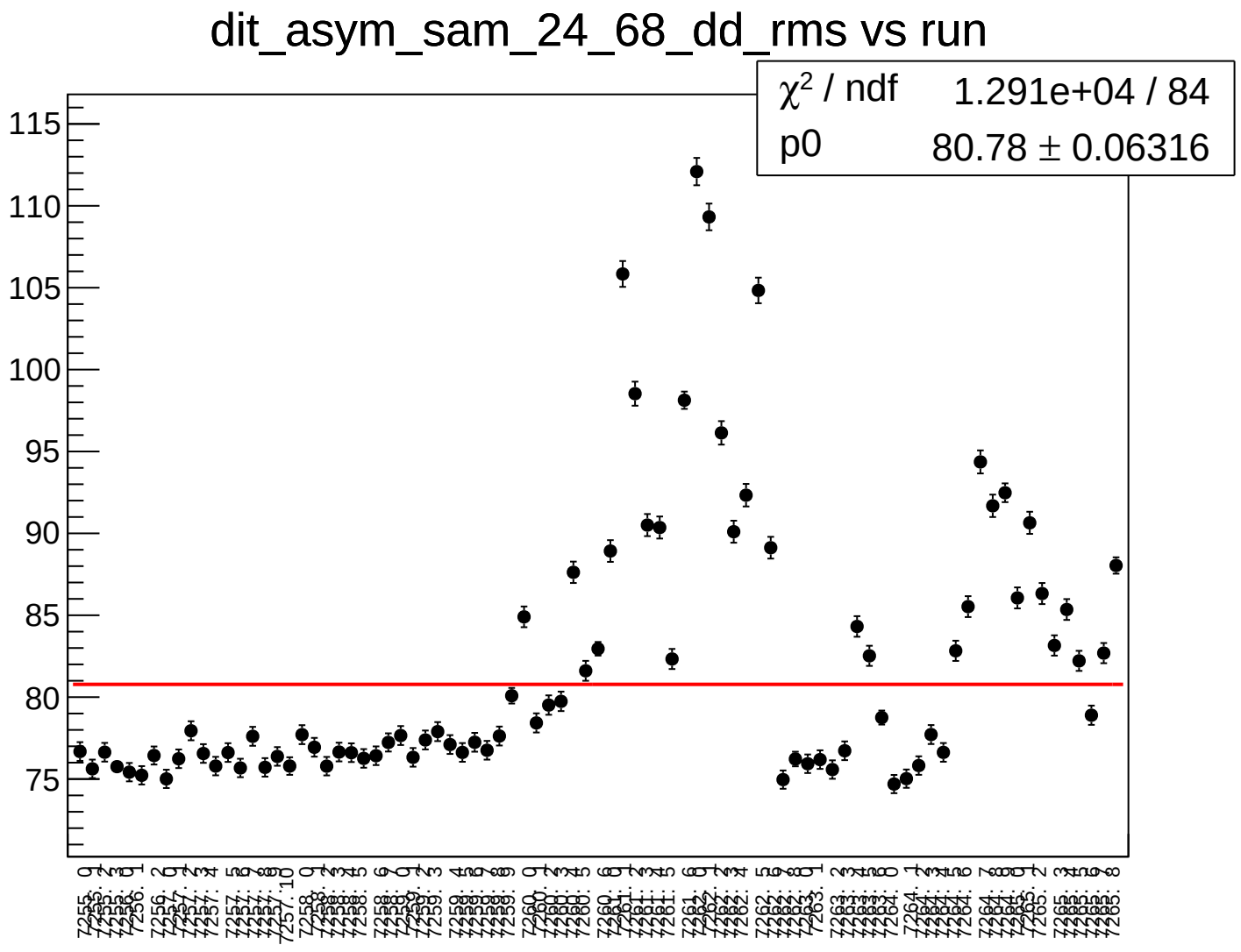

asym_sam_15_37_dd_mean vs run
χ² / ndf 91.46 / 84
p0 −219.5 ± 273
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −1412
Std Dev 1452
3
2
1
0
−1
−2

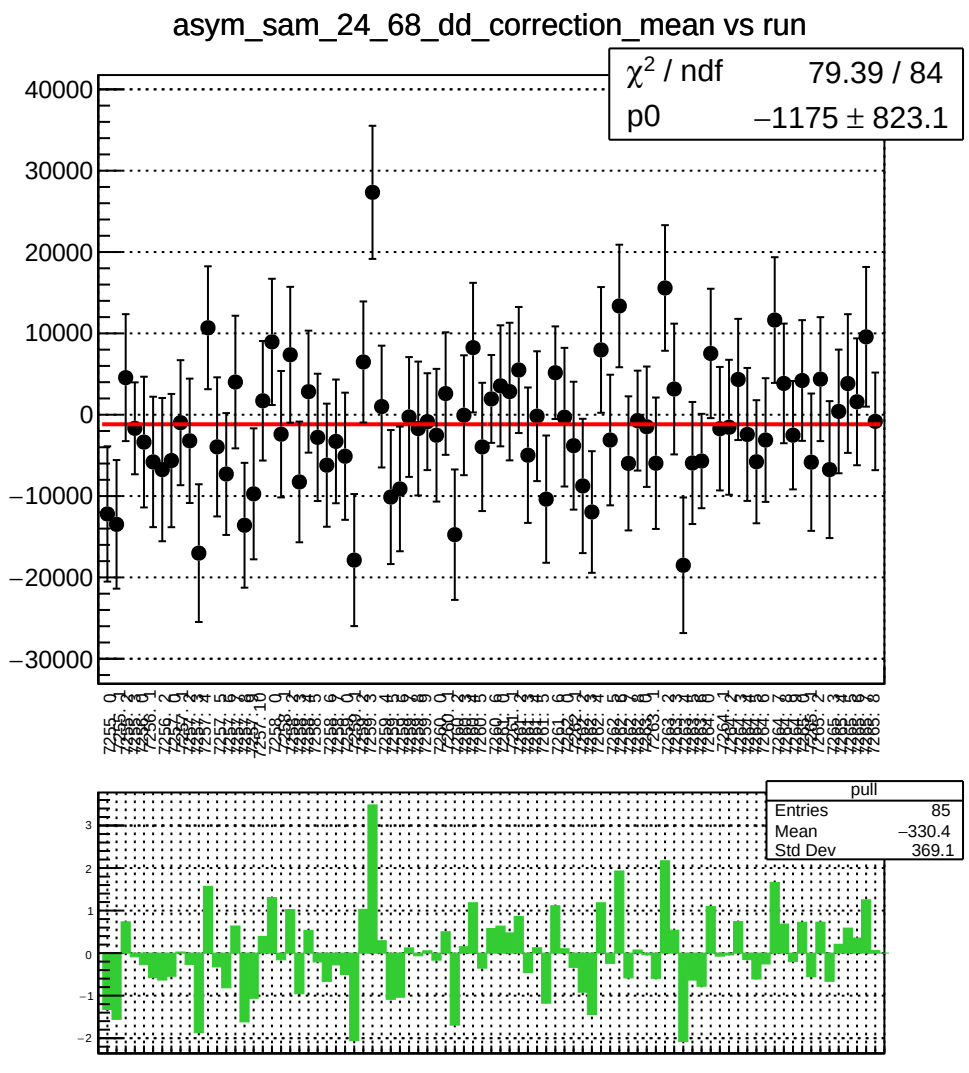

pull1D
Entries 85
Mean −0.002396
Std Dev 1.037
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

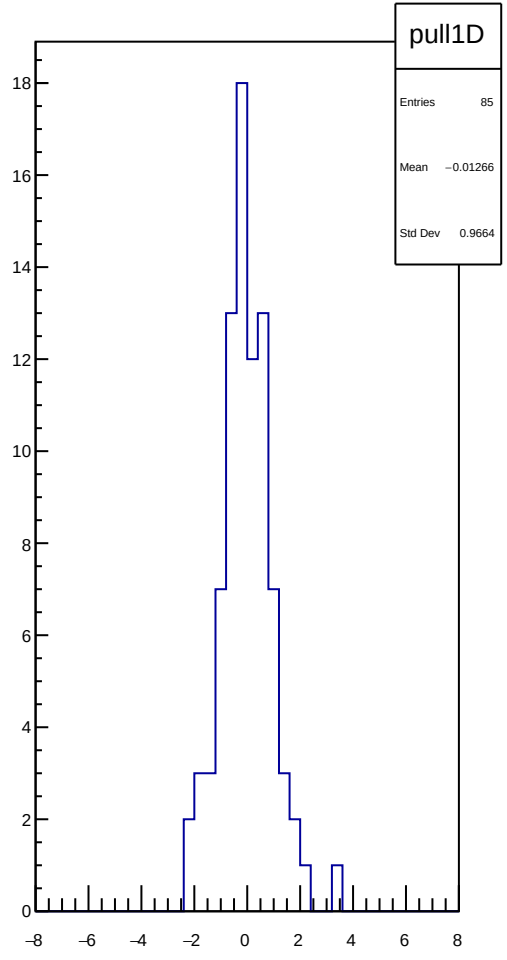

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 4193 / 84
p0 247.5 ± 0.193
290
280
270
260
250
240
230
220

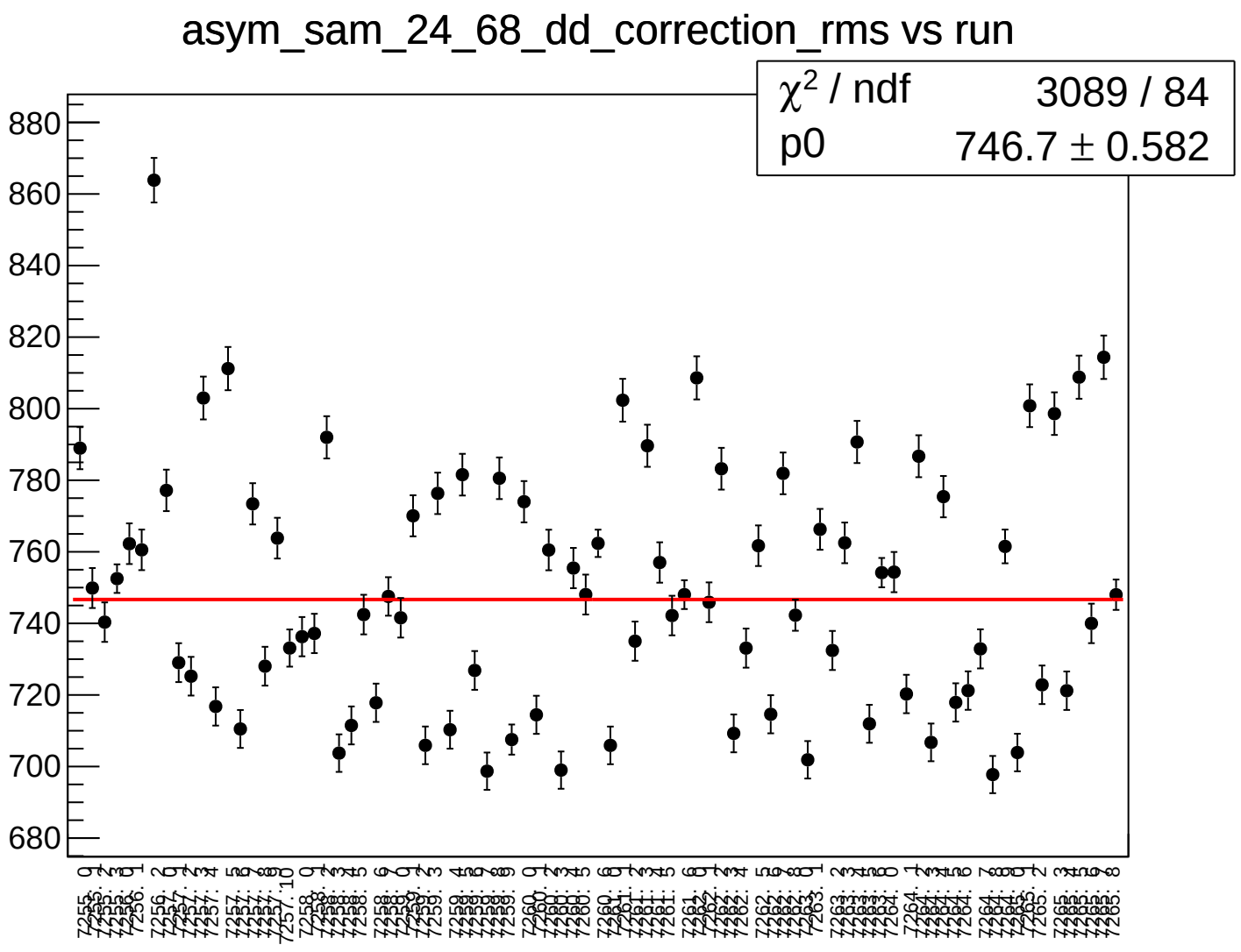

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 89.67 / 84
p0 −59.66 ± 89.32
pull
Entries 85
Mean −29.12
Std Dev 66.04

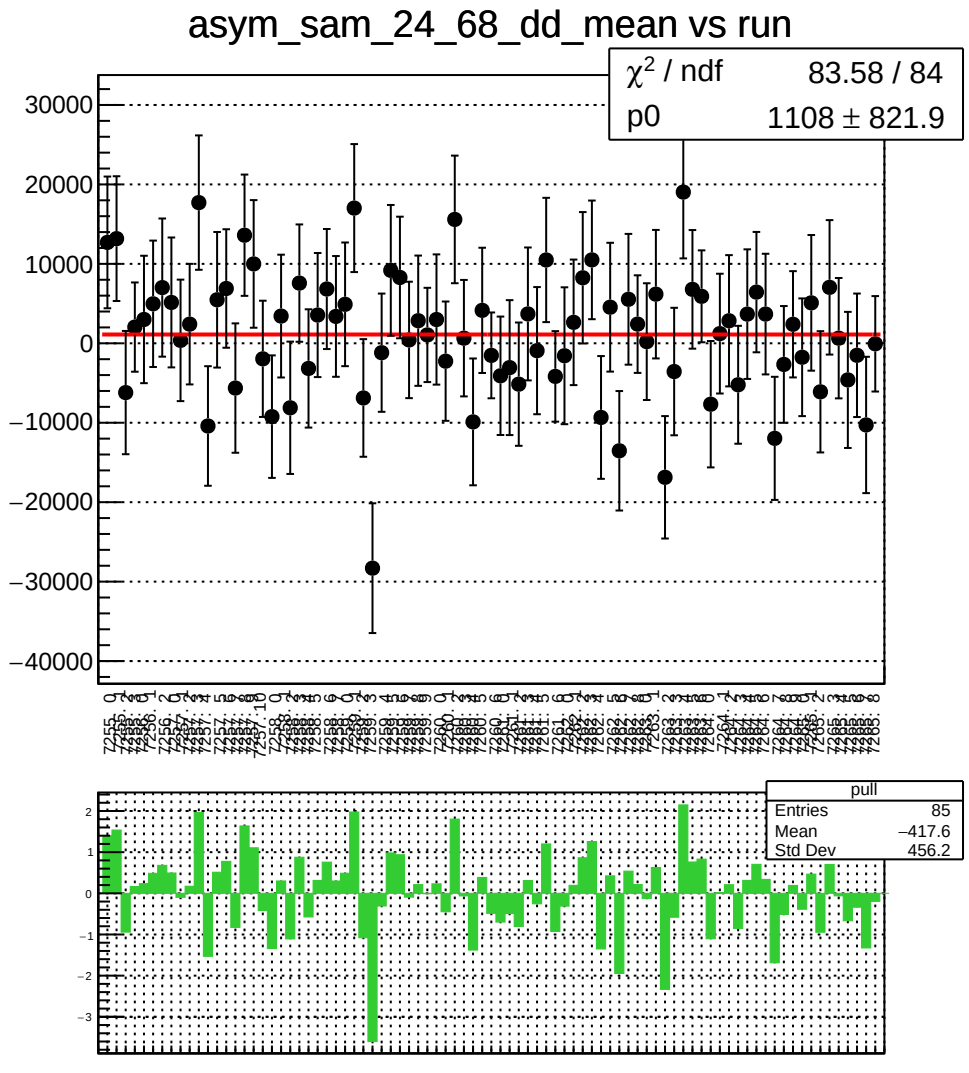

pull1D
Entries 85
Mean −0.02921
Std Dev 1.027

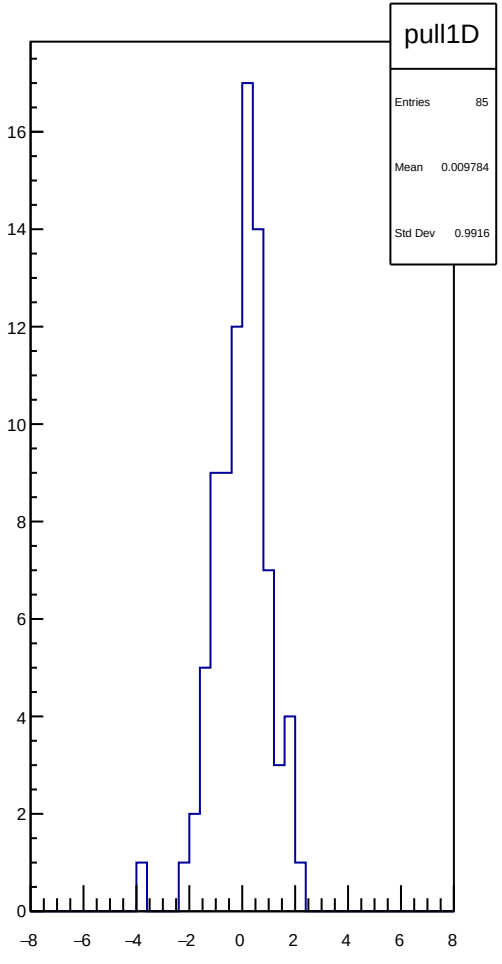

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.291e+04 / 84
p0 80.78 ± 0.06316
115
110
105
100
95
90
85
80
75

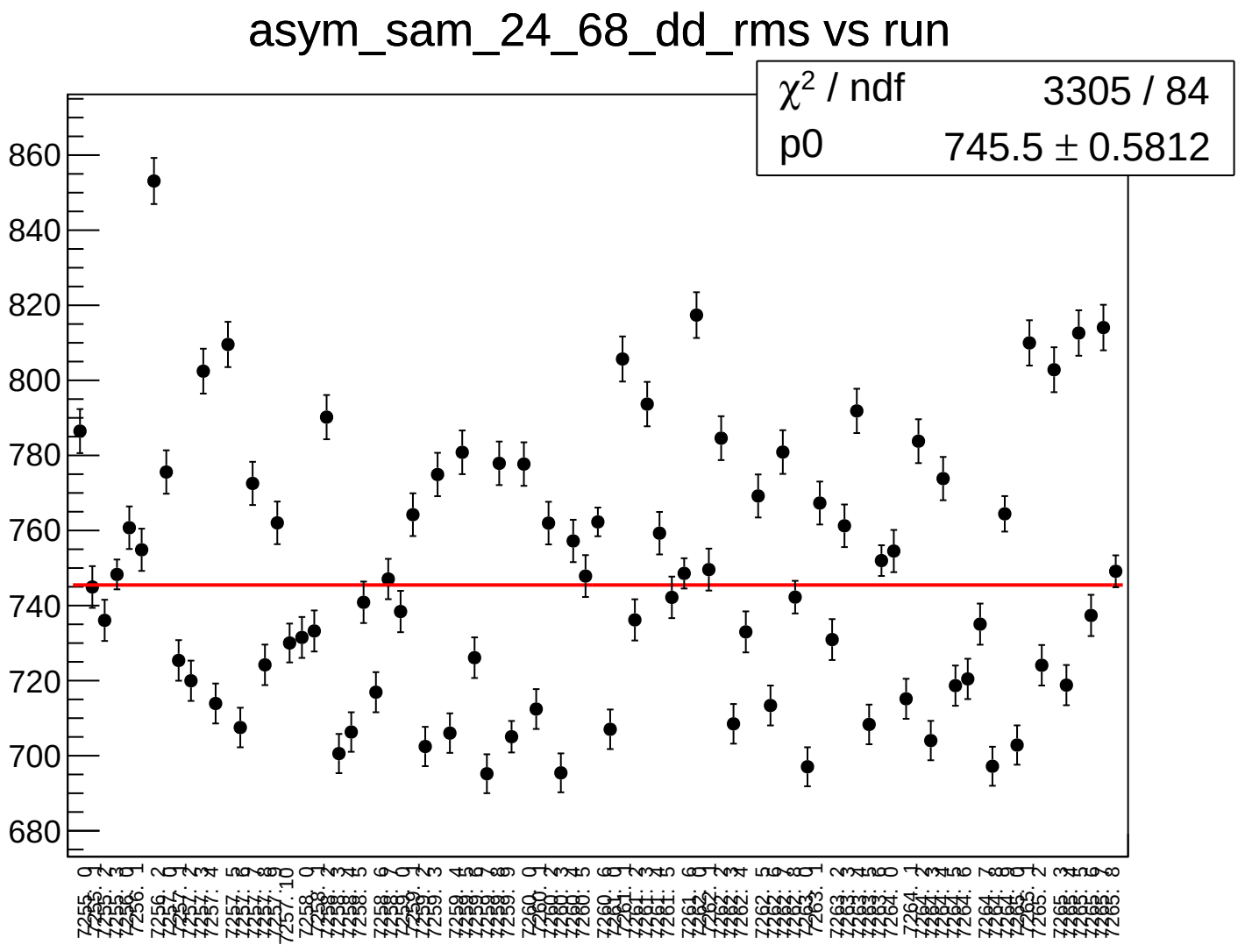

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 79.39 / 84
p0 −1175 ± 823.1
pull
Entries 85
Mean −330.4
Std Dev 369.1

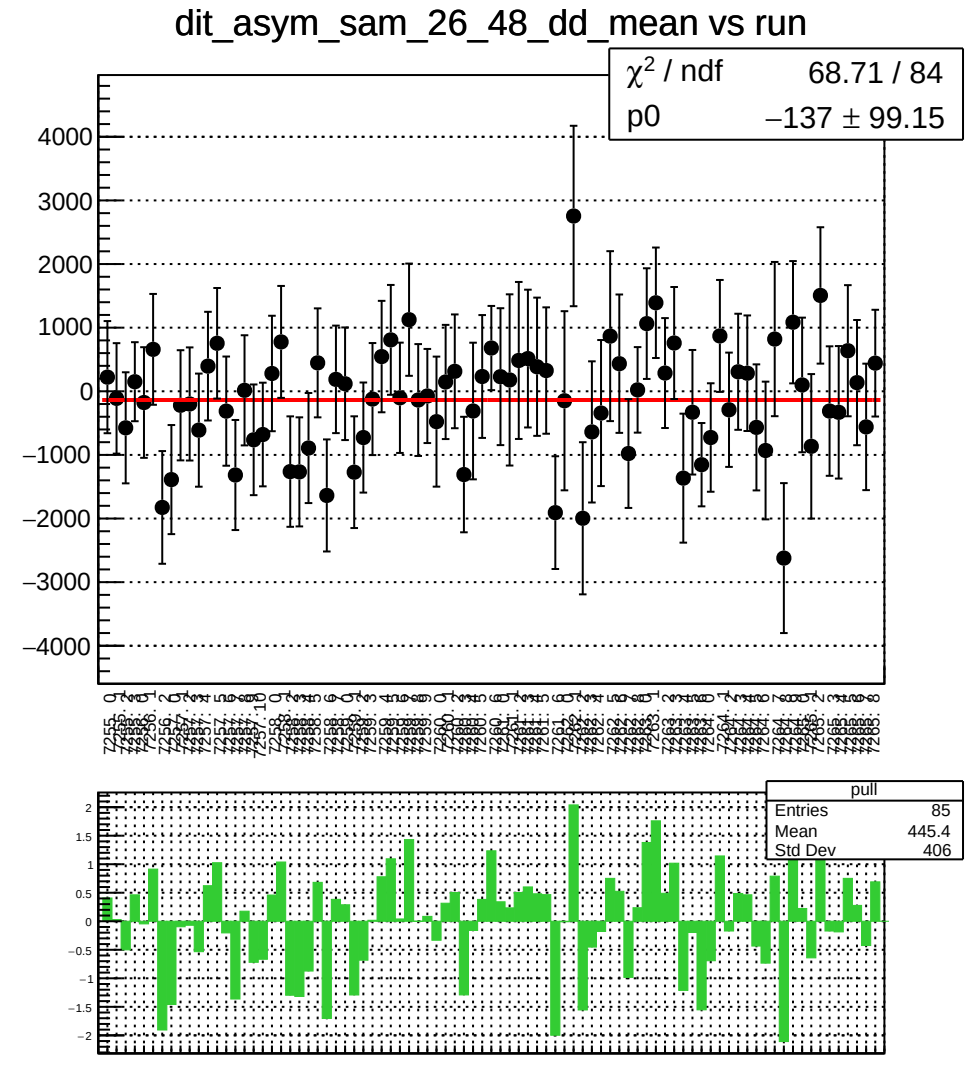

pull1D
Entries 85
Mean −0.01266
Std Dev 0.9664

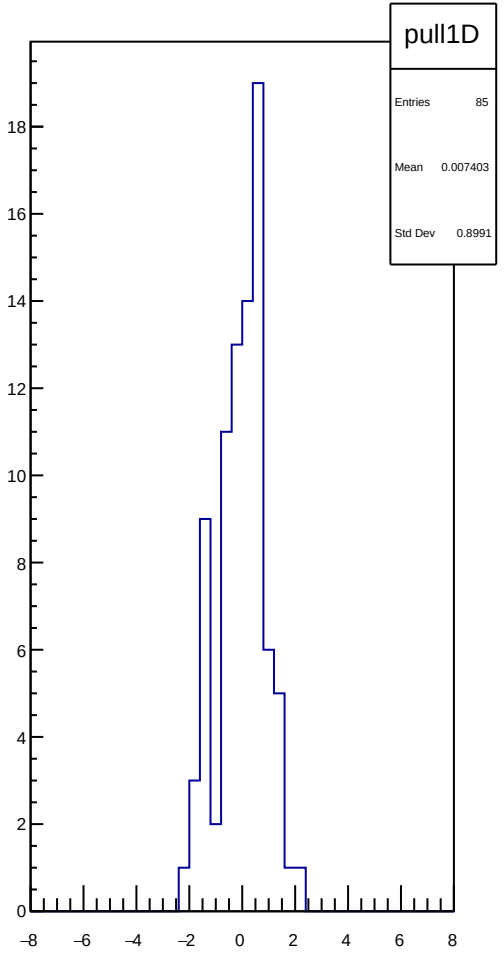

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3089 / 84
p0 746.7 ± 0.582
880
860
840
820
800
780
760
740
720
700
680

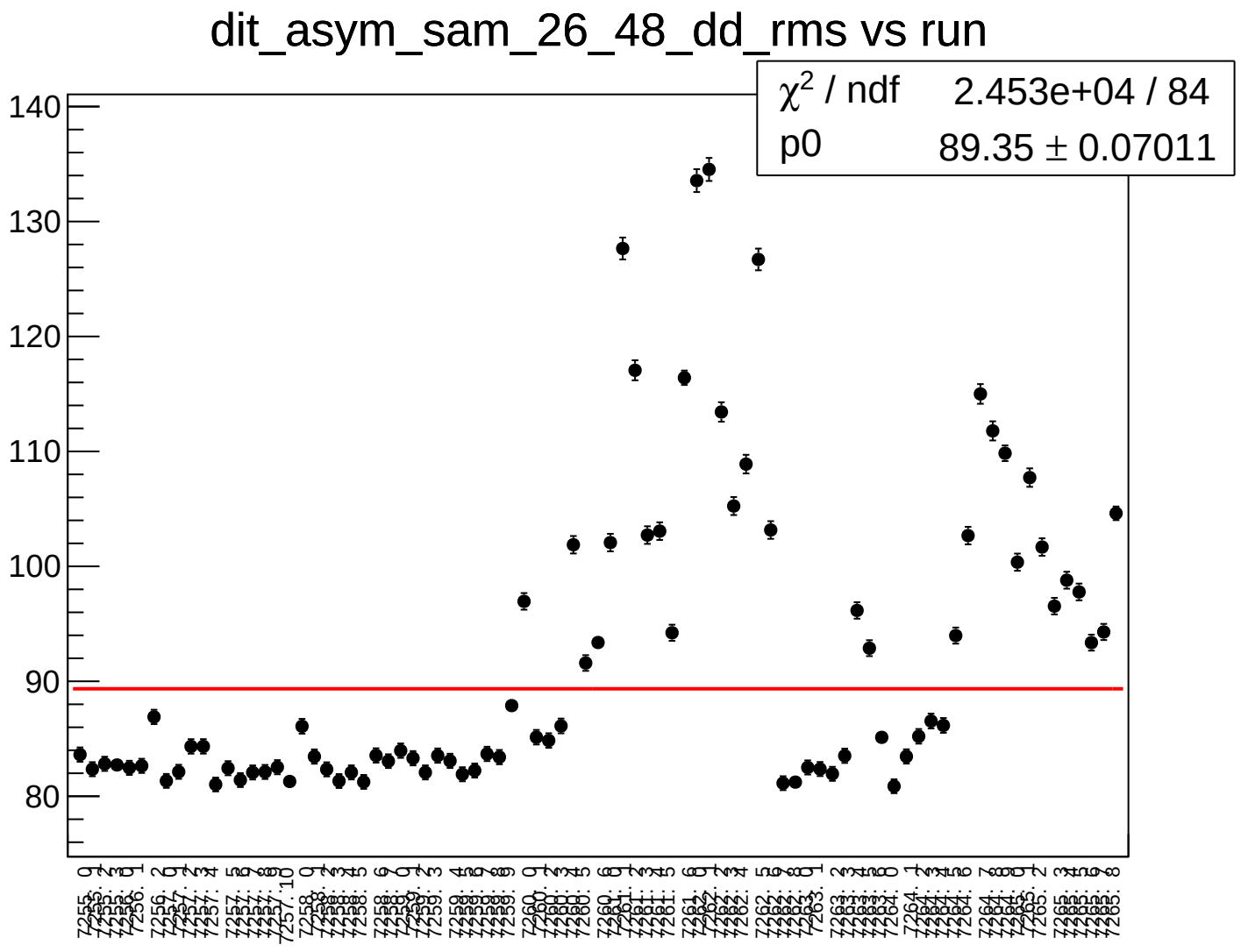

asym_sam_24_68_dd_mean vs run
χ^2 / ndf 83.58 / 84
p0 1108 ± 821.9
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean −417.6
Std Dev 456.2
2
1
0
−1
−2
−3

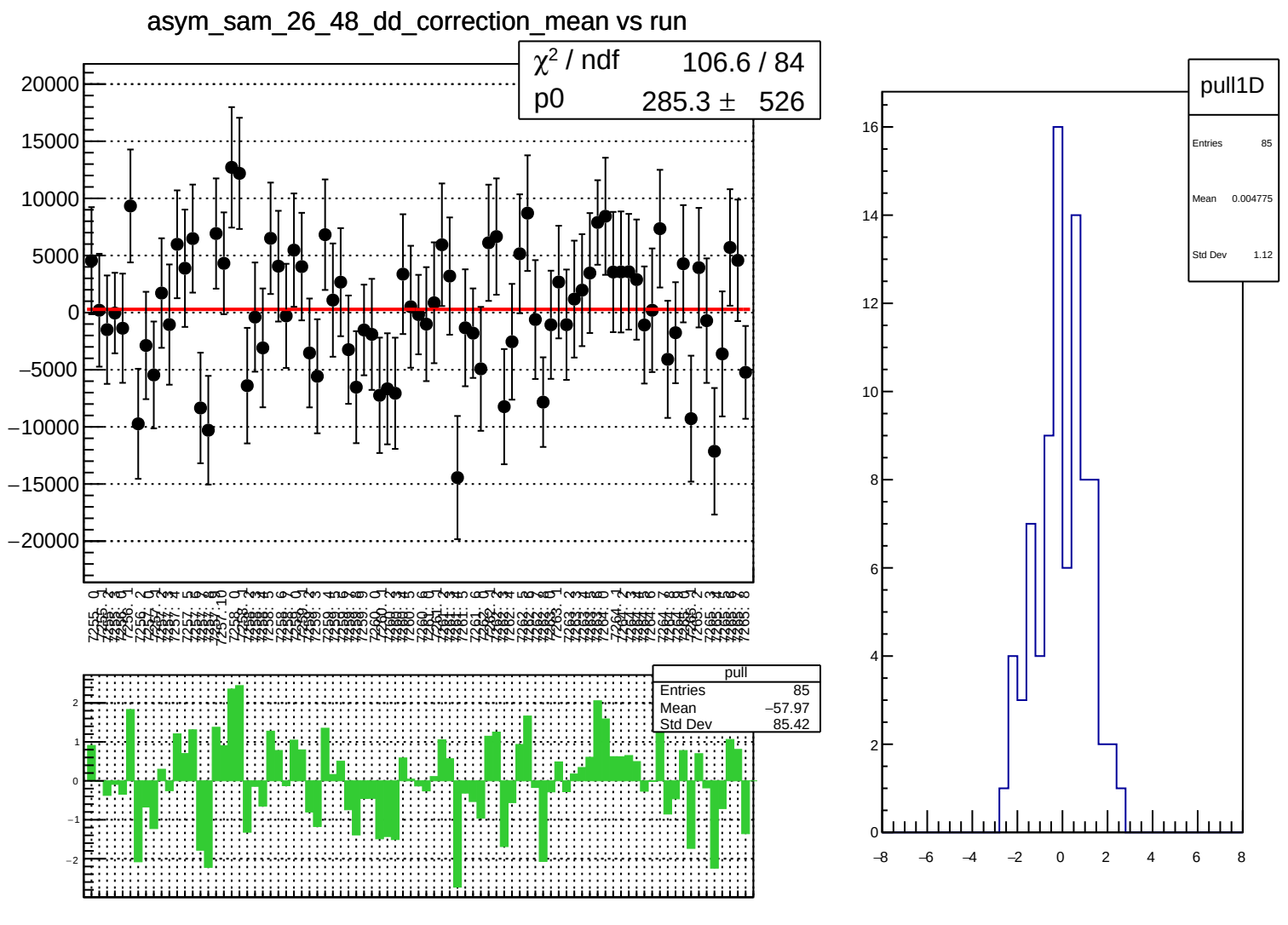

pull1D
Entries 85
Mean 0.009784
Std Dev 0.9916
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

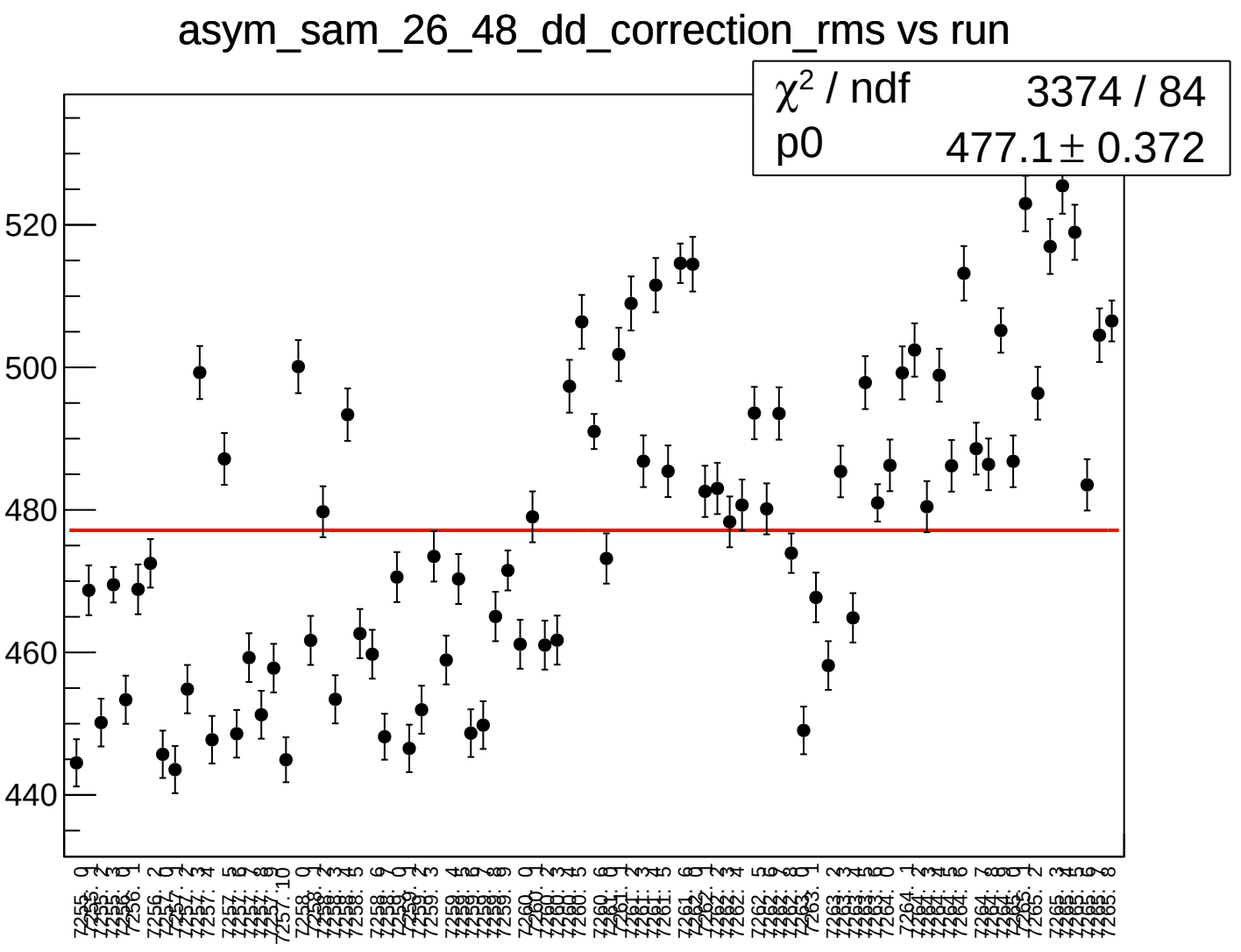

asym_sam_24_68_dd_rms vs run
χ² / ndf 3305 / 84
p0 745.5 ± 0.5812
860
840
820
800
780
760
740
720
700
680

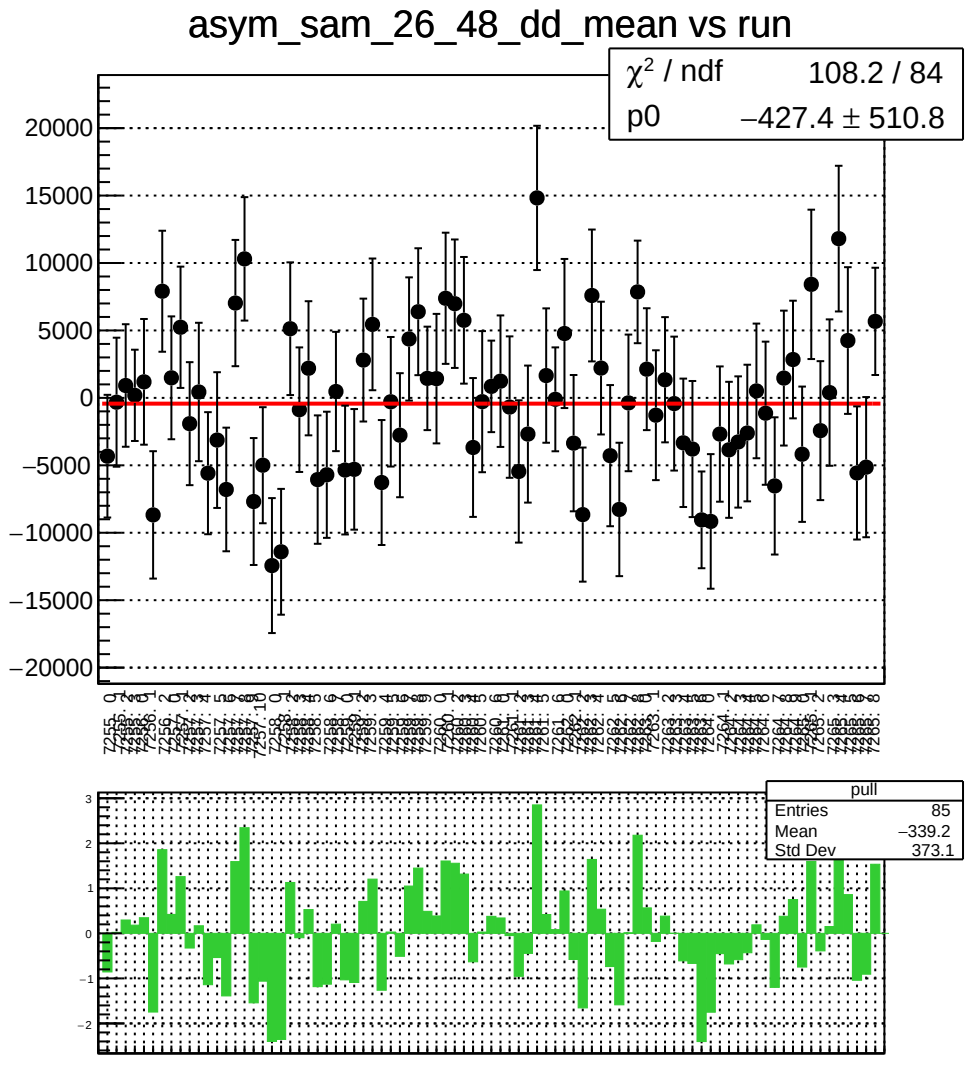

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 68.71 / 84
p0 −137 ± 99.15
pull
Entries 85
Mean 445.4
Std Dev 406

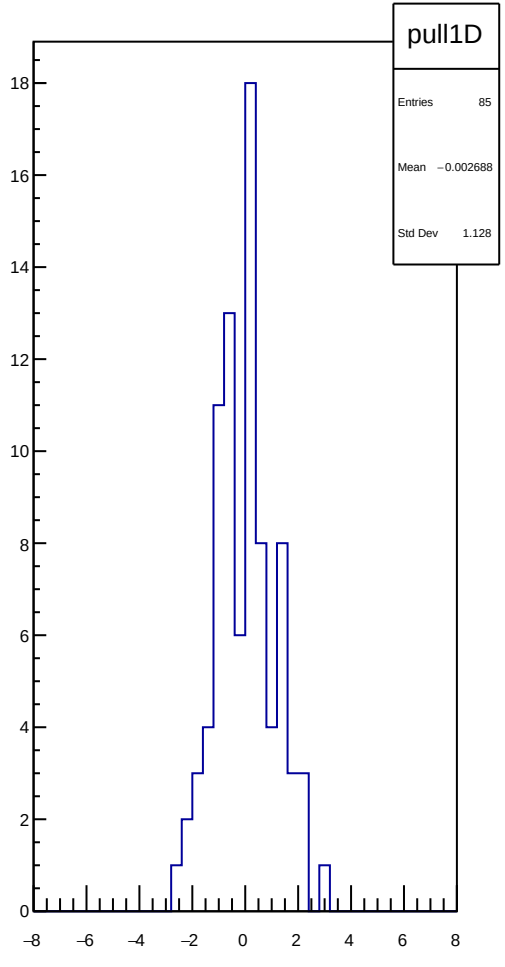

pull1D
Entries 85
Mean 0.007403
Std Dev 0.8991

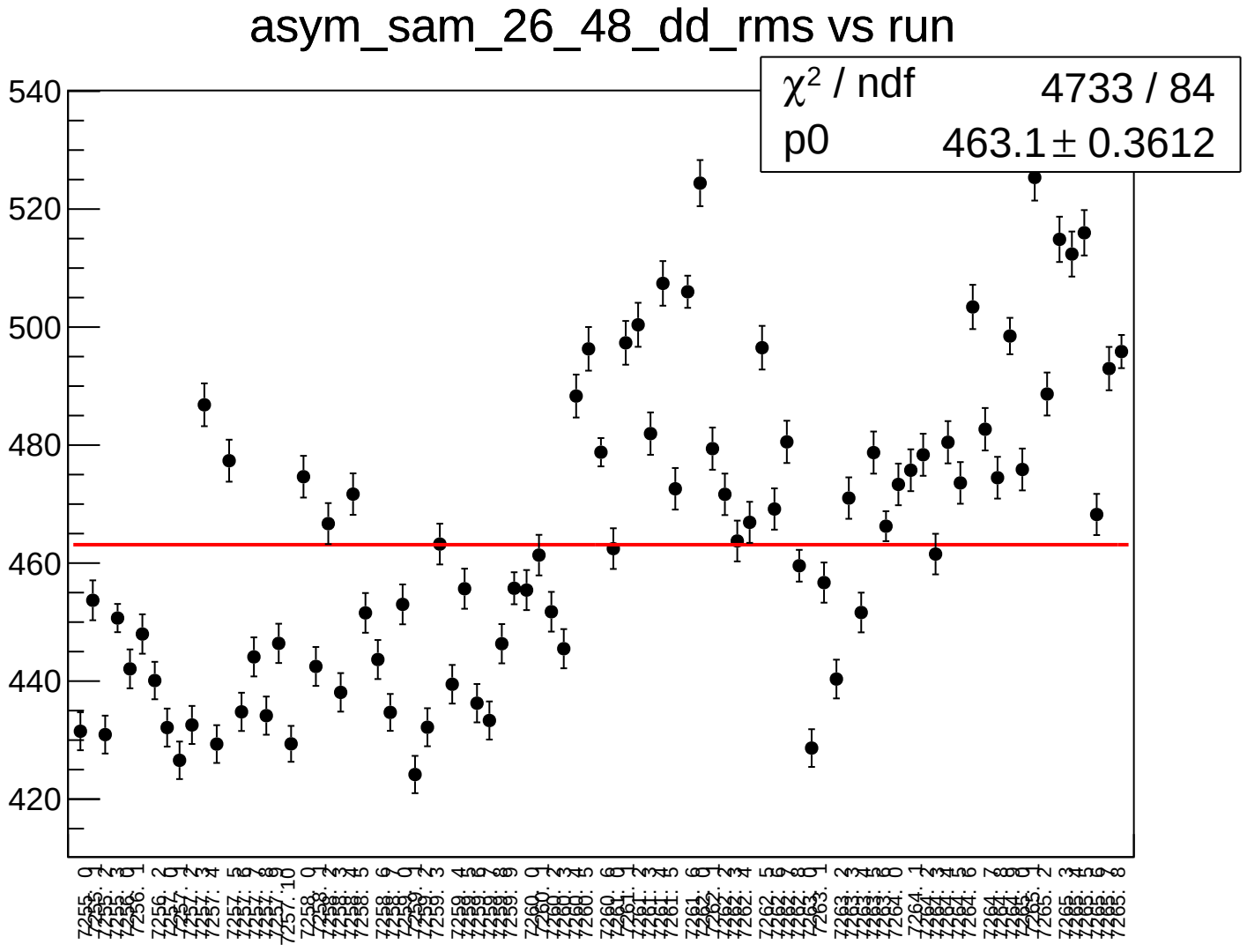

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2.453e+04 / 84
p0 89.35 ± 0.07011
140
130
120
110
100
90
80

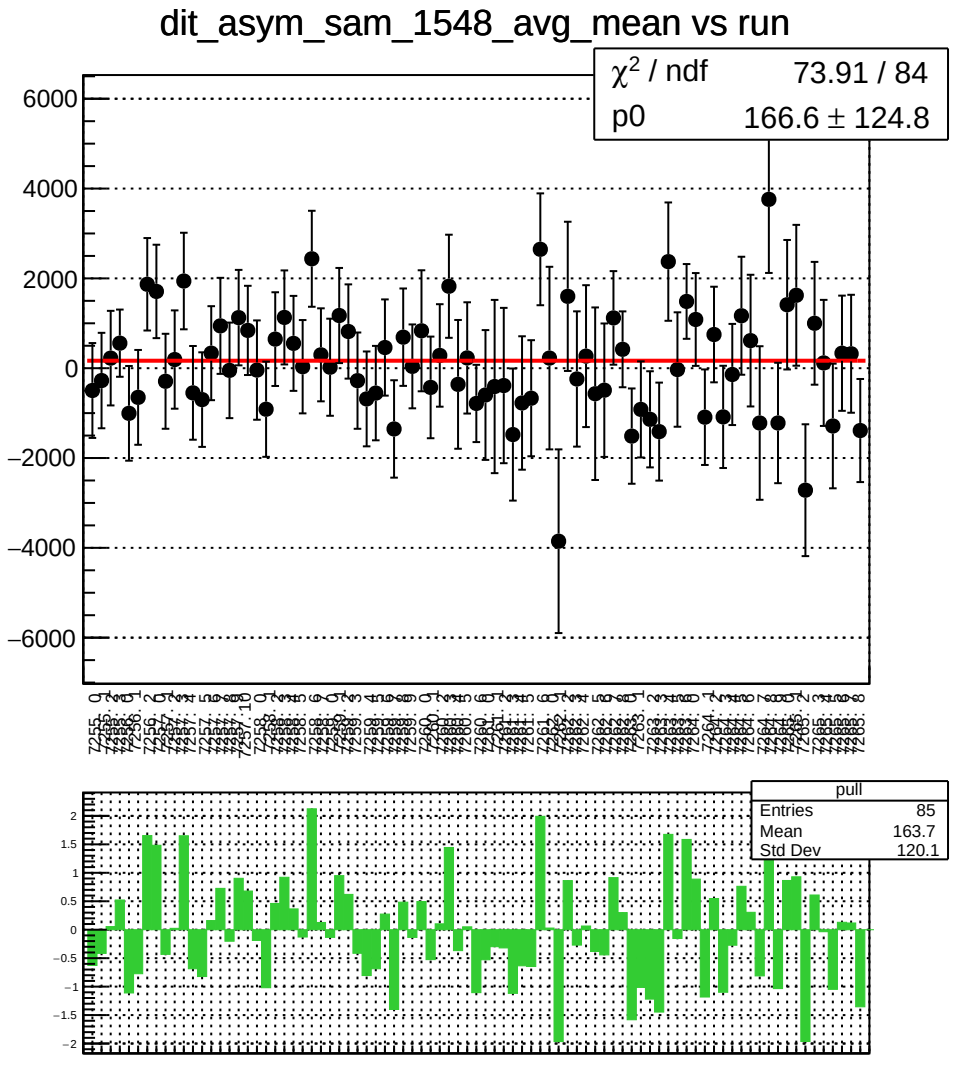

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 106.6 / 84
p0 285.3 ± 526
pull
Entries 85
Mean −57.97
Std Dev 85.42
pull1D
Entries 85
Mean 0.004775
Std Dev 1.12

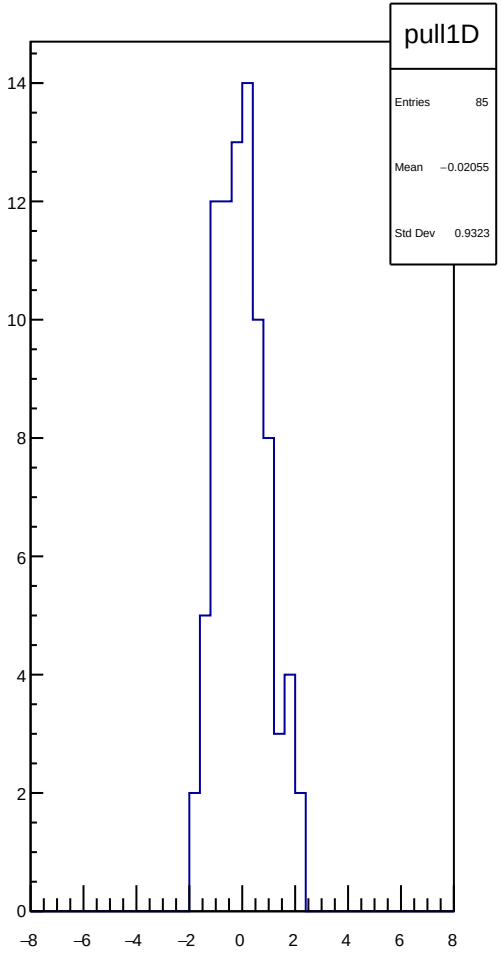

asym_sam_26_48_dd_correction_rms vs run
χ^2 / ndf 3374 / 84
p0 477.1 ± 0.372
520
500
480
460
440

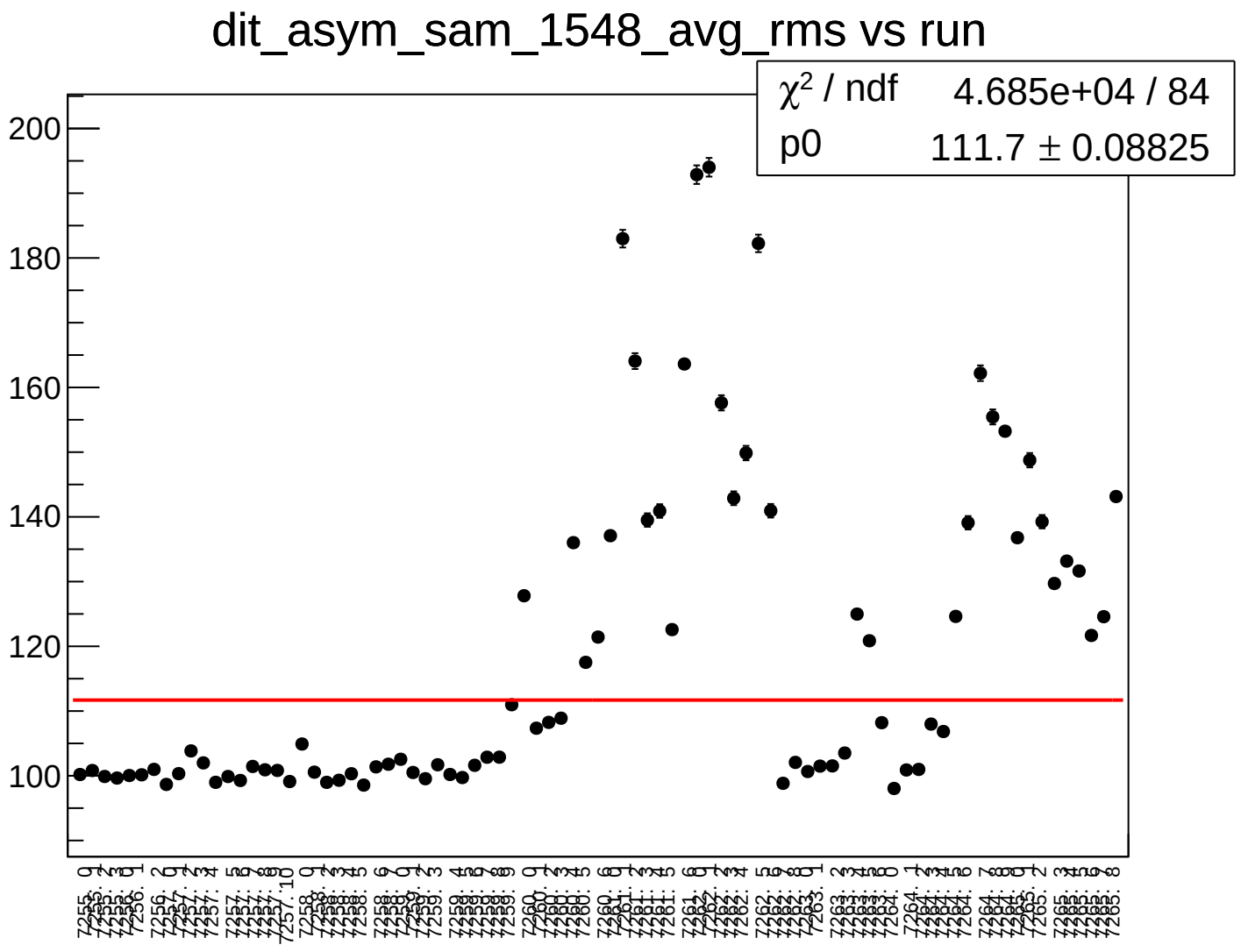

asym_sam_26_48_dd_mean vs run
χ² / ndf 108.2 / 84
p0 −427.4 ± 510.8
pull
Entries 85
Mean −339.2
Std Dev 373.1

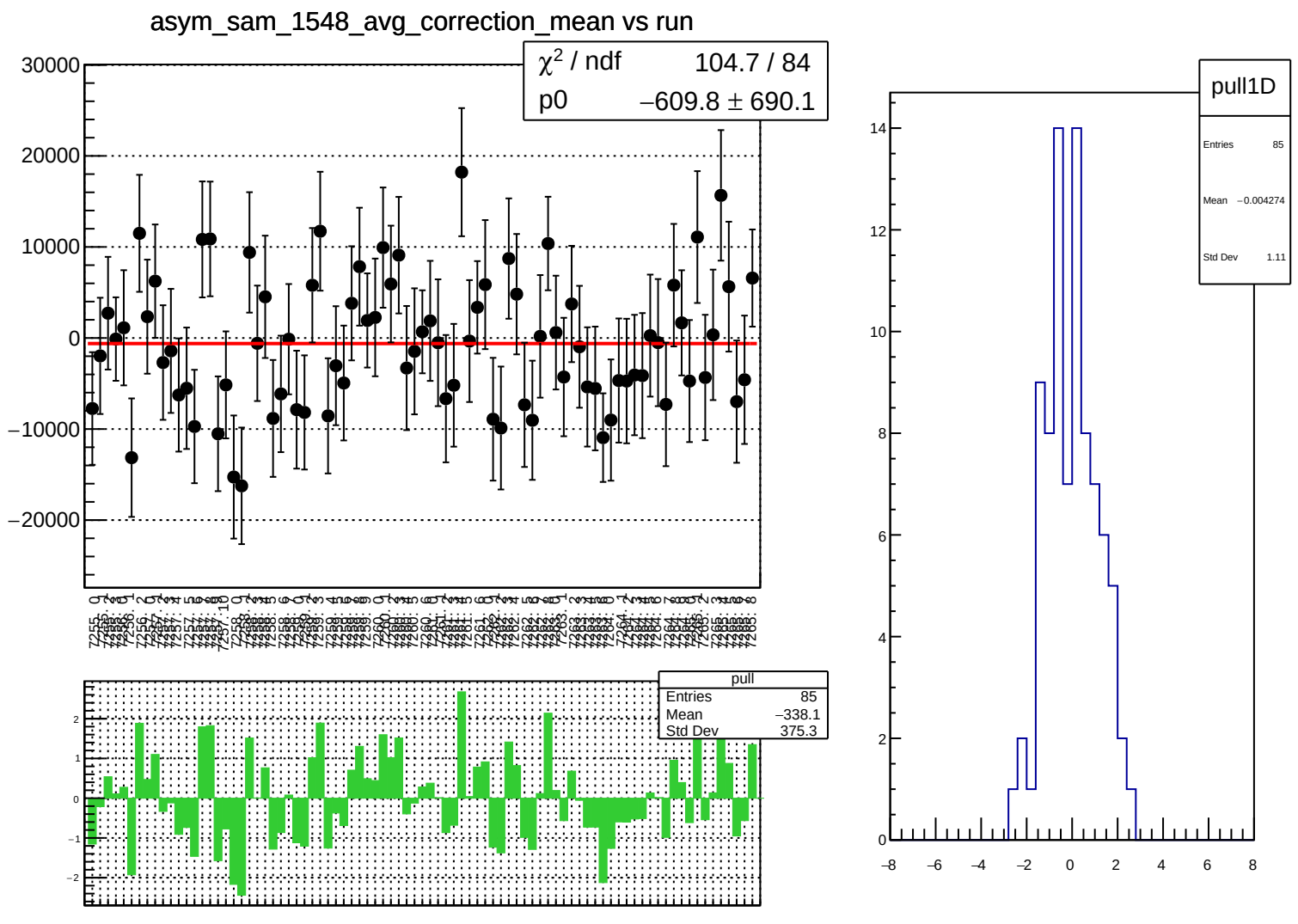

pull1D
Entries 85
Mean −0.002688
Std Dev 1.128

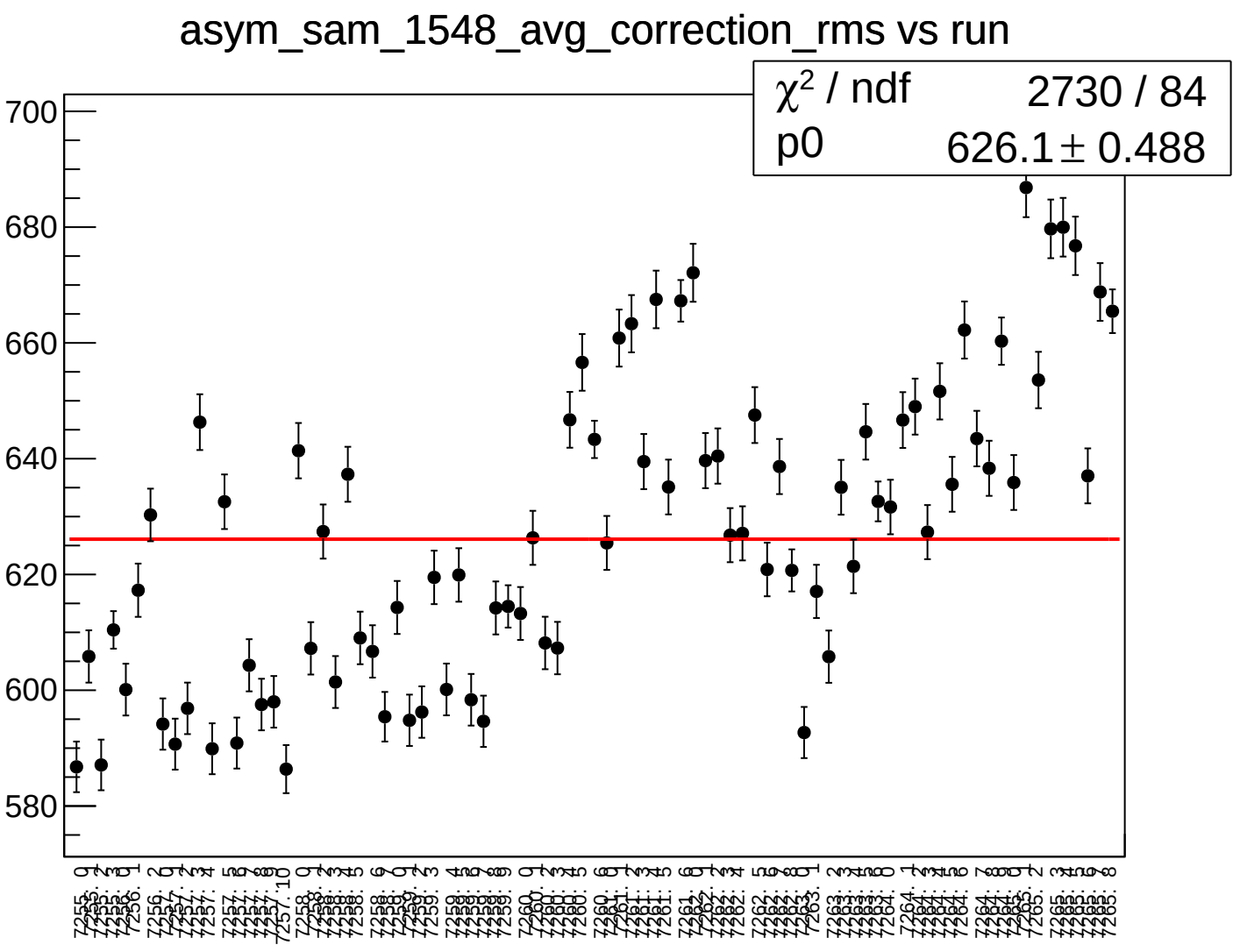

asym_sam_26_48_dd_rms vs run
χ² / ndf 4733 / 84
p0 463.1 ± 0.3612
540
520
500
480
460
440
420

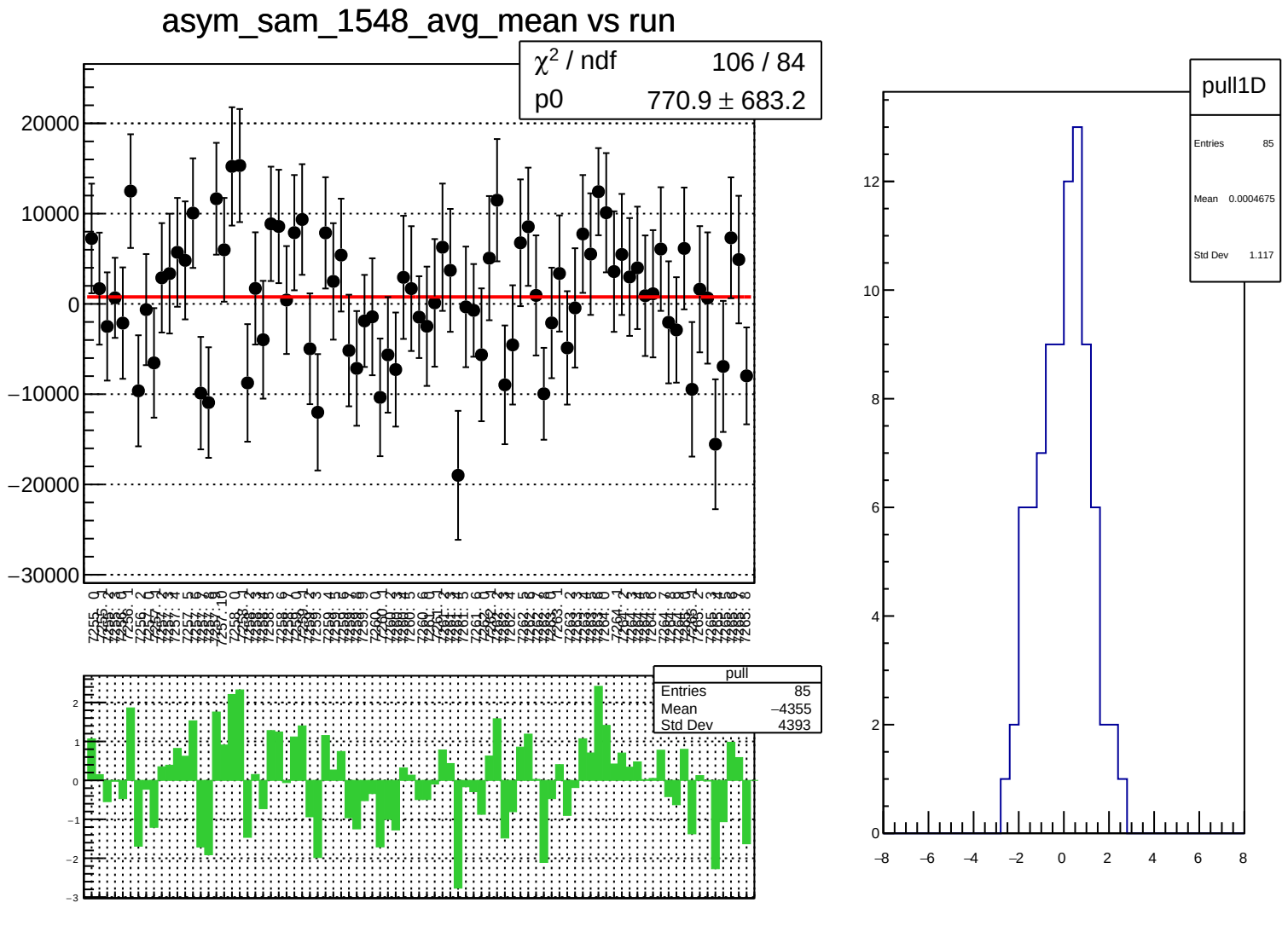

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 73.91 / 84
p0 166.6 ± 124.8
pull
Entries 85
Mean 163.7
Std Dev 120.1

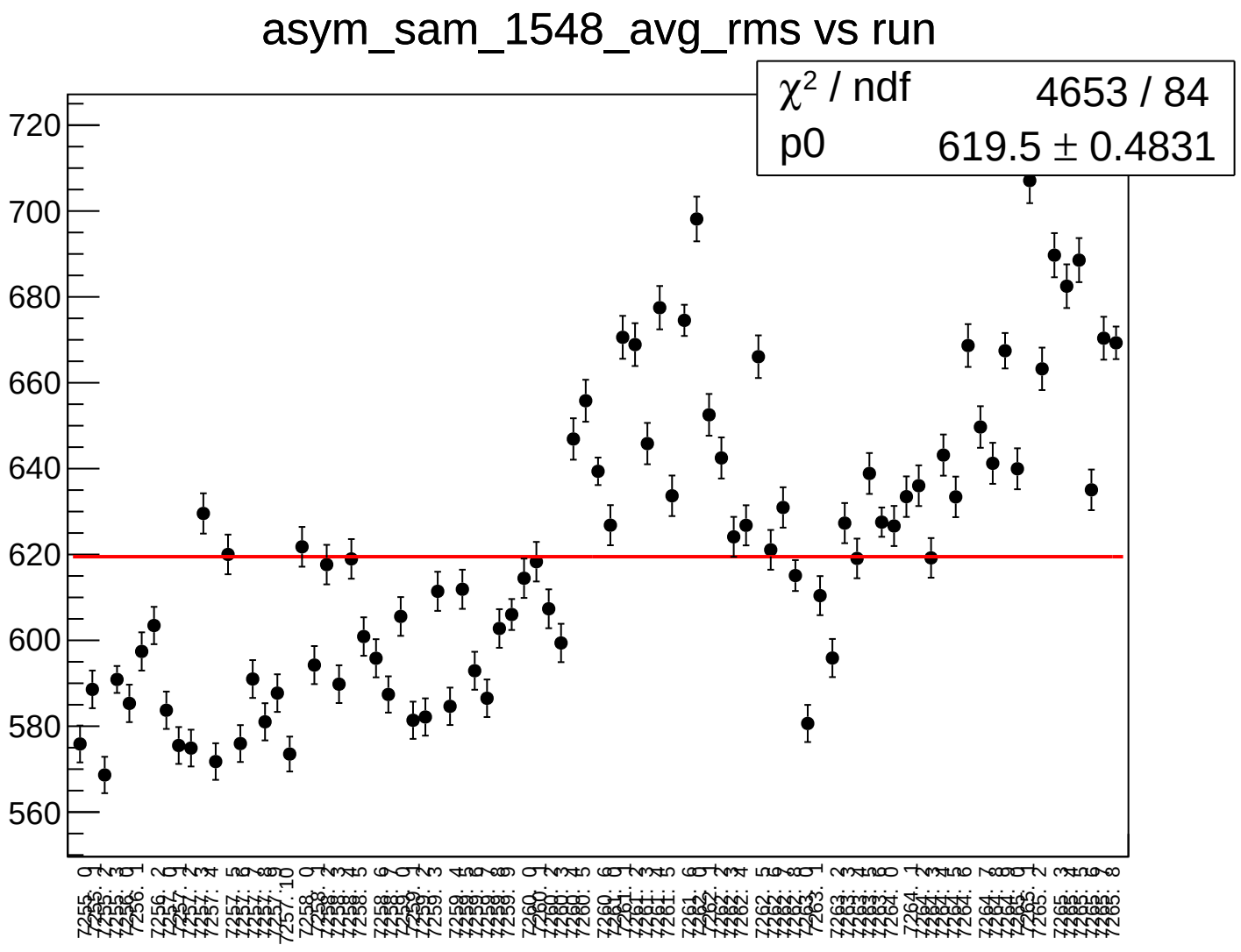

pull1D
Entries 85
Mean −0.02055
Std Dev 0.9323

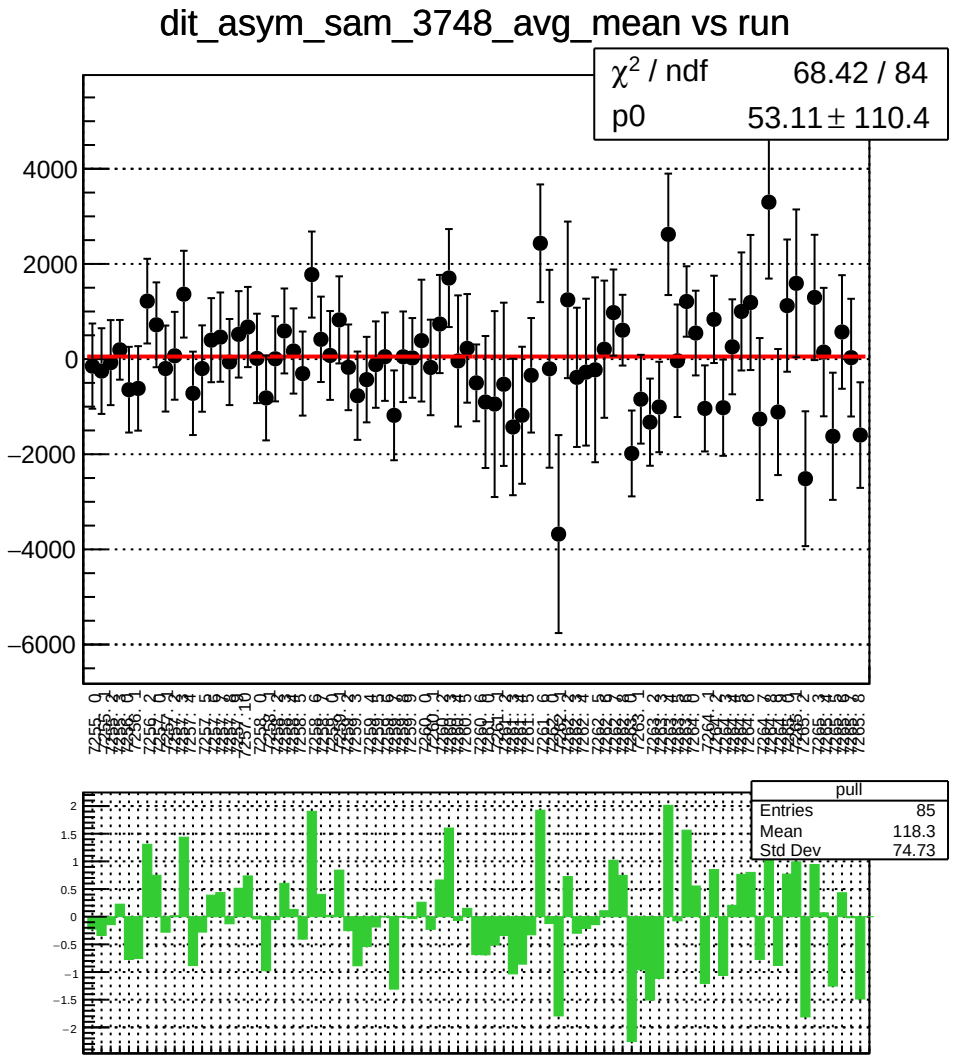

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 4.685e+04 / 84
p0 111.7 ± 0.08825
200
180
160
140
120
100

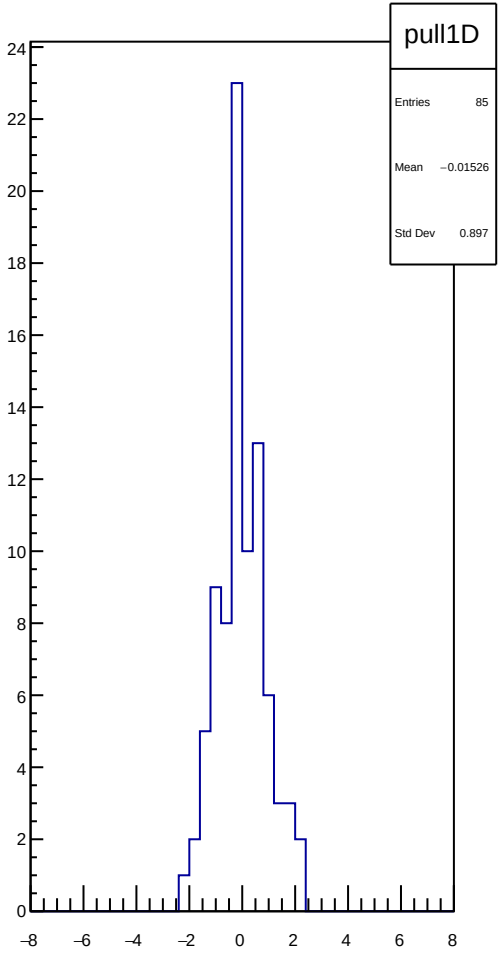

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 104.7 / 84
p0 −609.8 ± 690.1
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −338.1
Std Dev 375.3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.004274
Std Dev 1.11
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

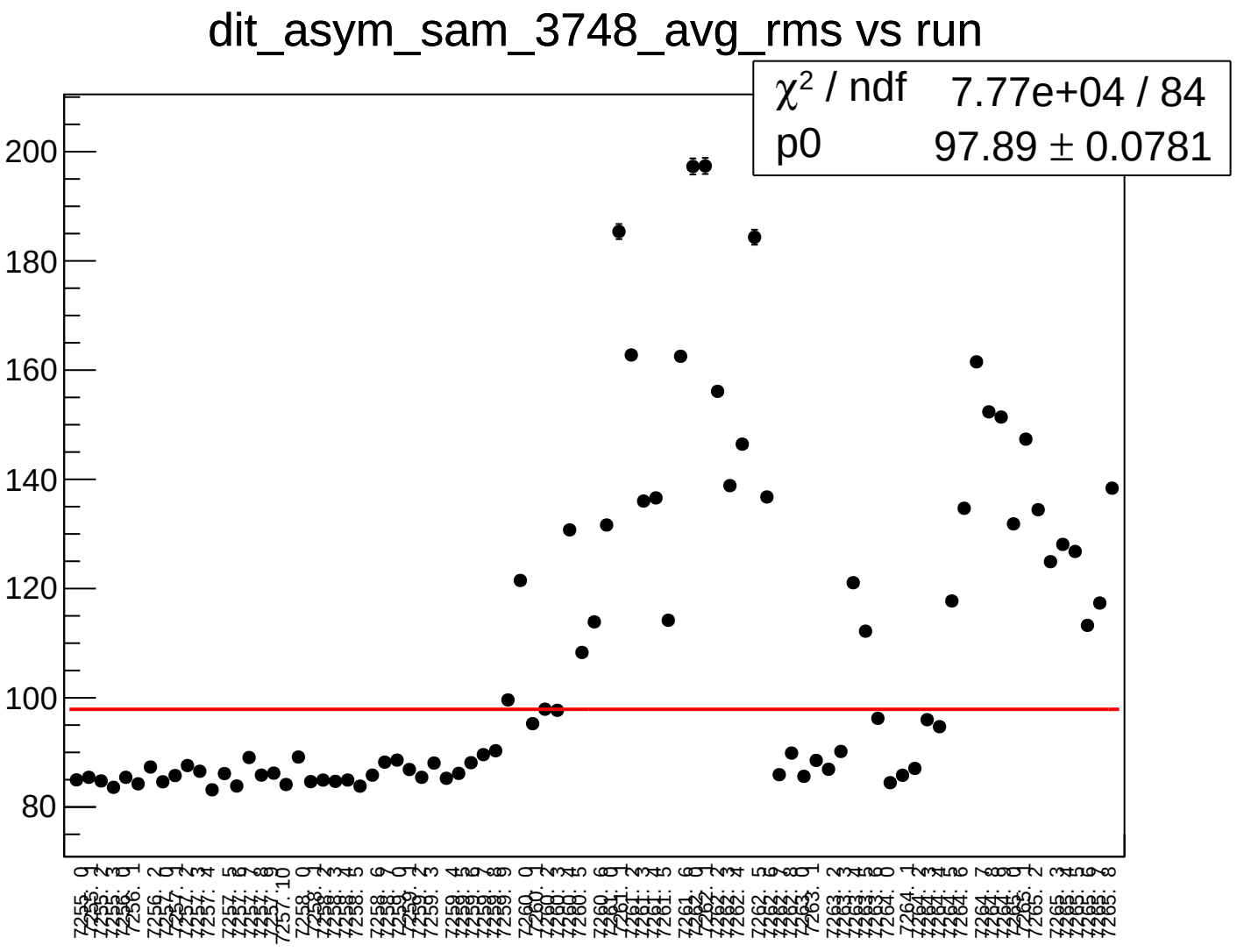

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 2730 / 84
p0 626.1 ± 0.488
700
680
660
640
620
600
580

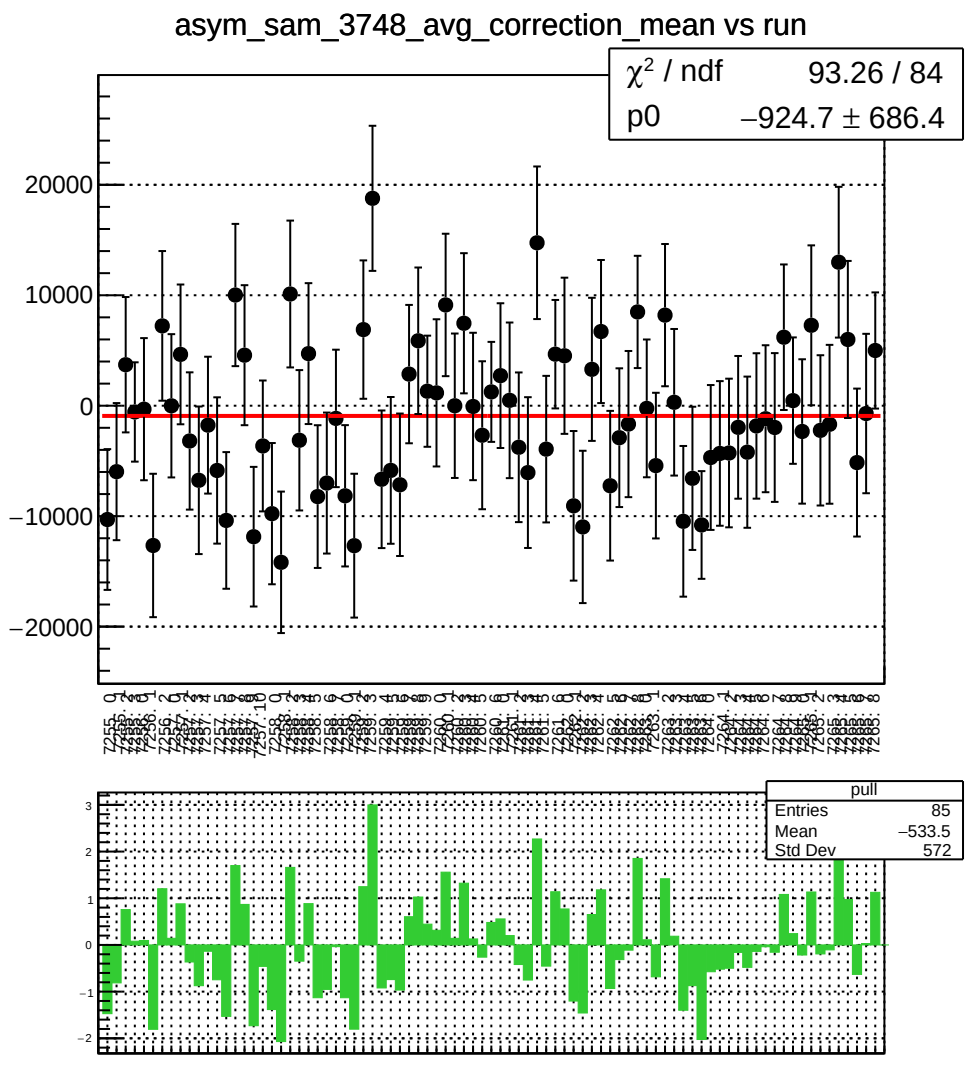

asym_sam_1548_avg_mean vs run
χ² / ndf 106 / 84
p0 770.9 ± 683.2
pull
Entries 85
Mean −4355
Std Dev 4393
pull1D
Entries 85
Mean 0.0004675
Std Dev 1.117

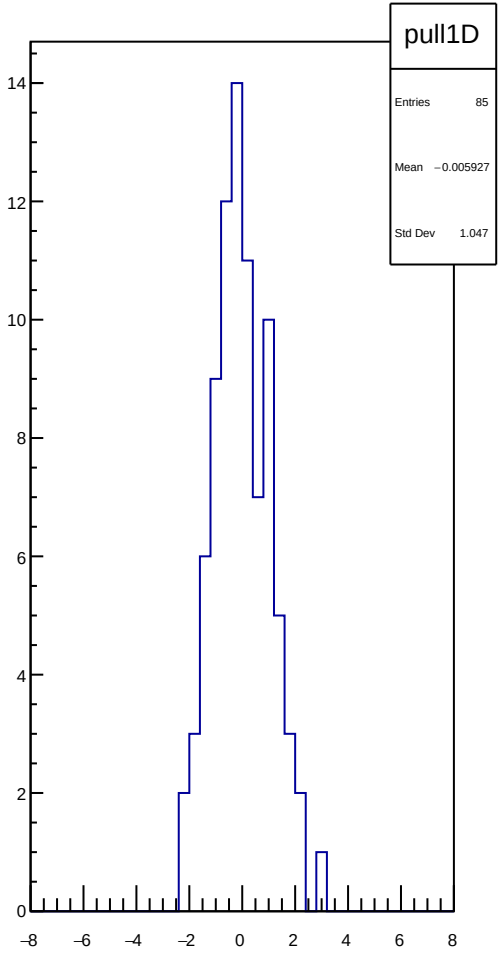

asym_sam_1548_avg_rms vs run
χ² / ndf 4653 / 84
p0 619.5 ± 0.4831
720
700
680
660
640
620
600
580
560

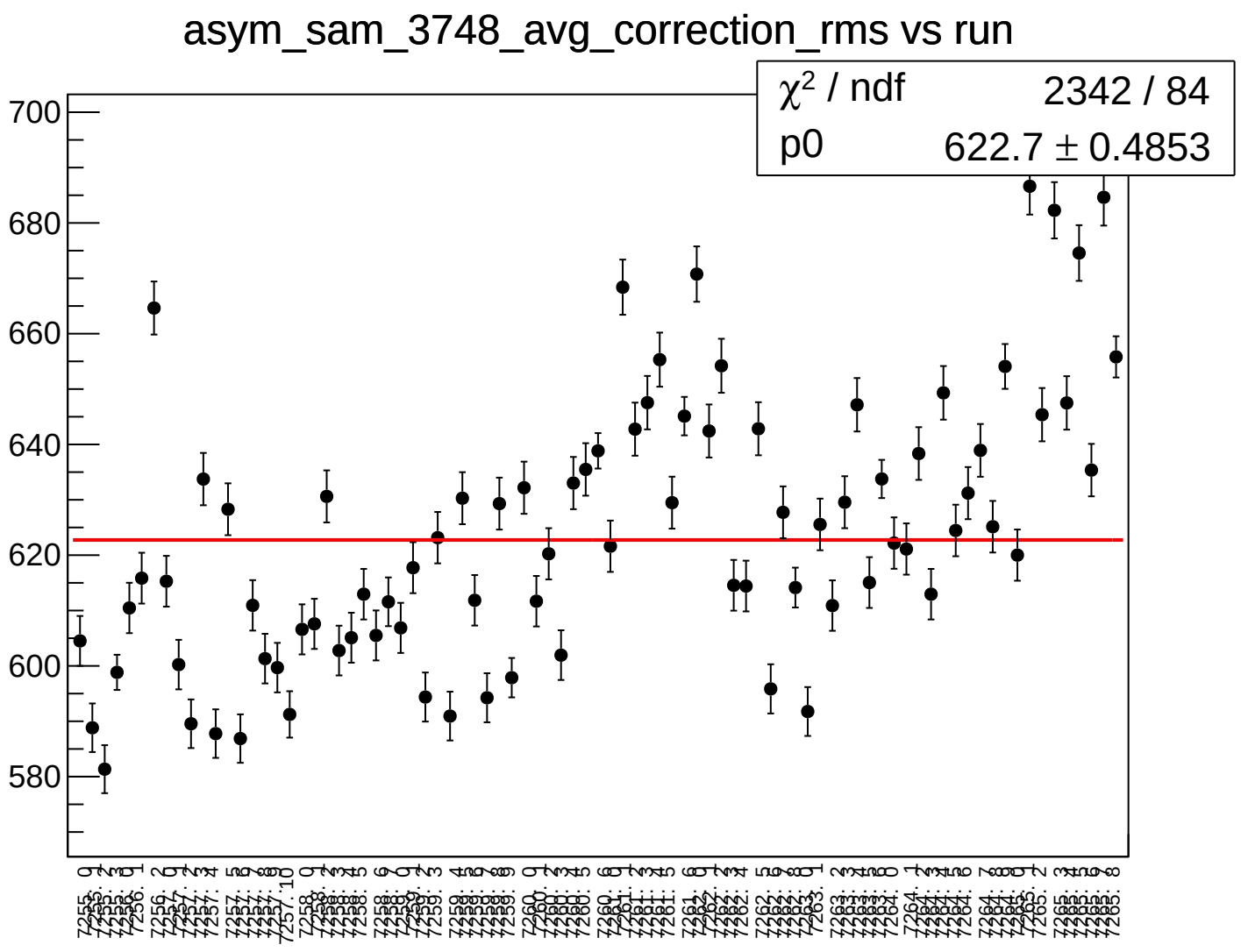

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 68.42 / 84
p0 53.11 ± 110.4
pull
Entries 85
Mean 118.3
Std Dev 74.73

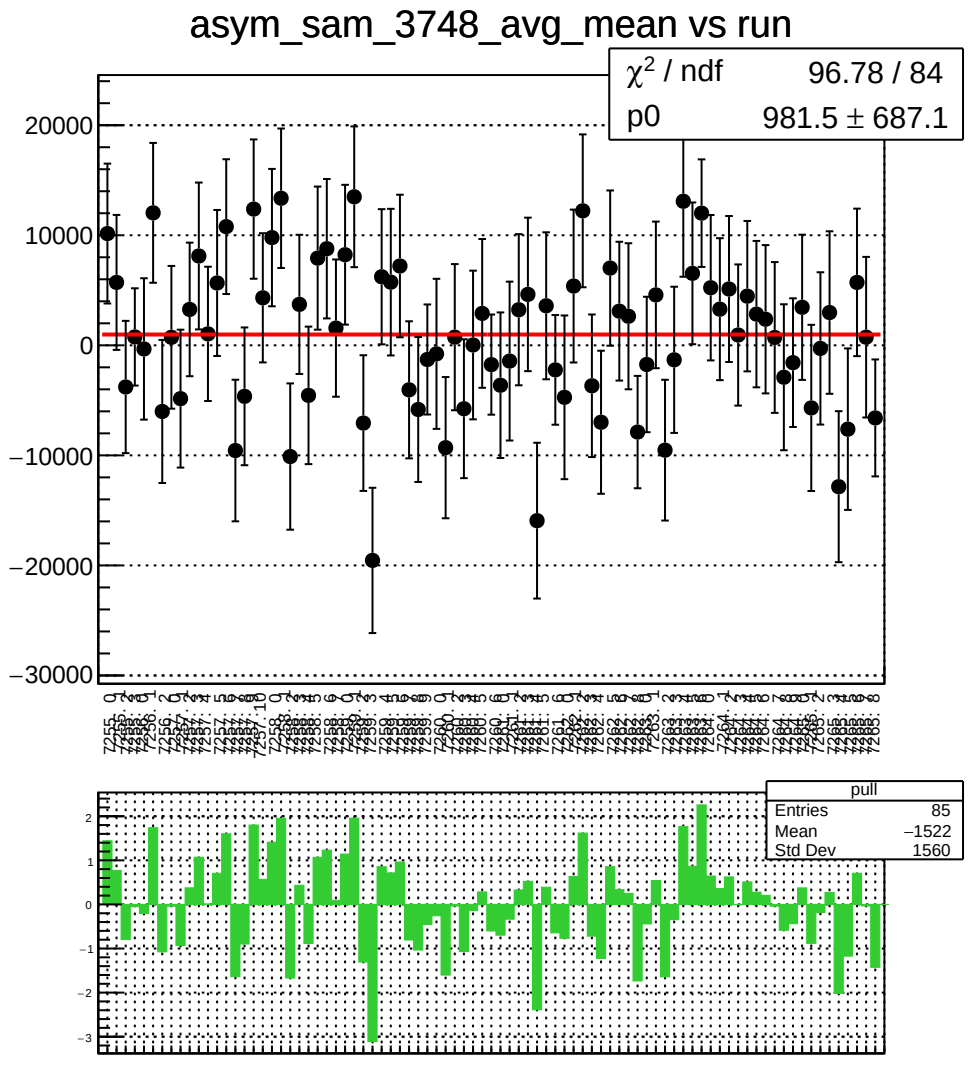

pull1D
Entries 85
Mean −0.01526
Std Dev 0.897

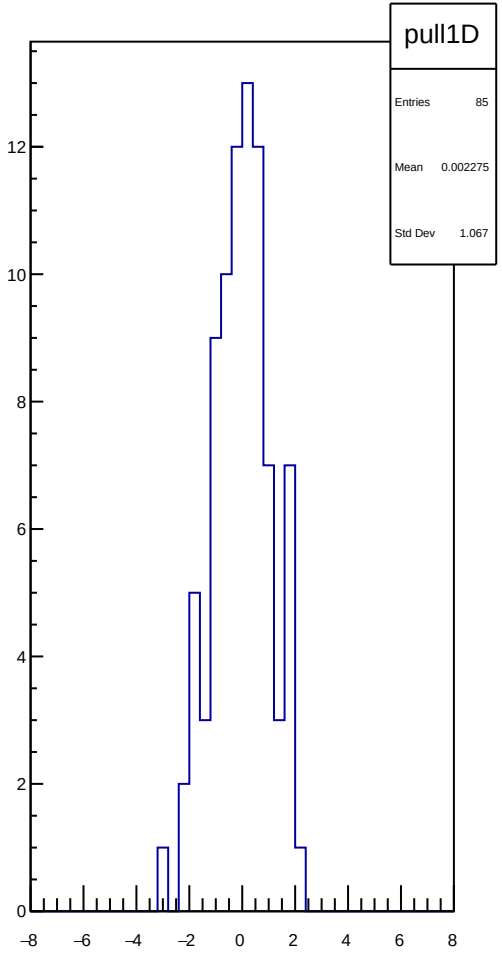

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 7.77e+04 / 84
p0 97.89 ± 0.0781
200
180
160
140
120
100
80

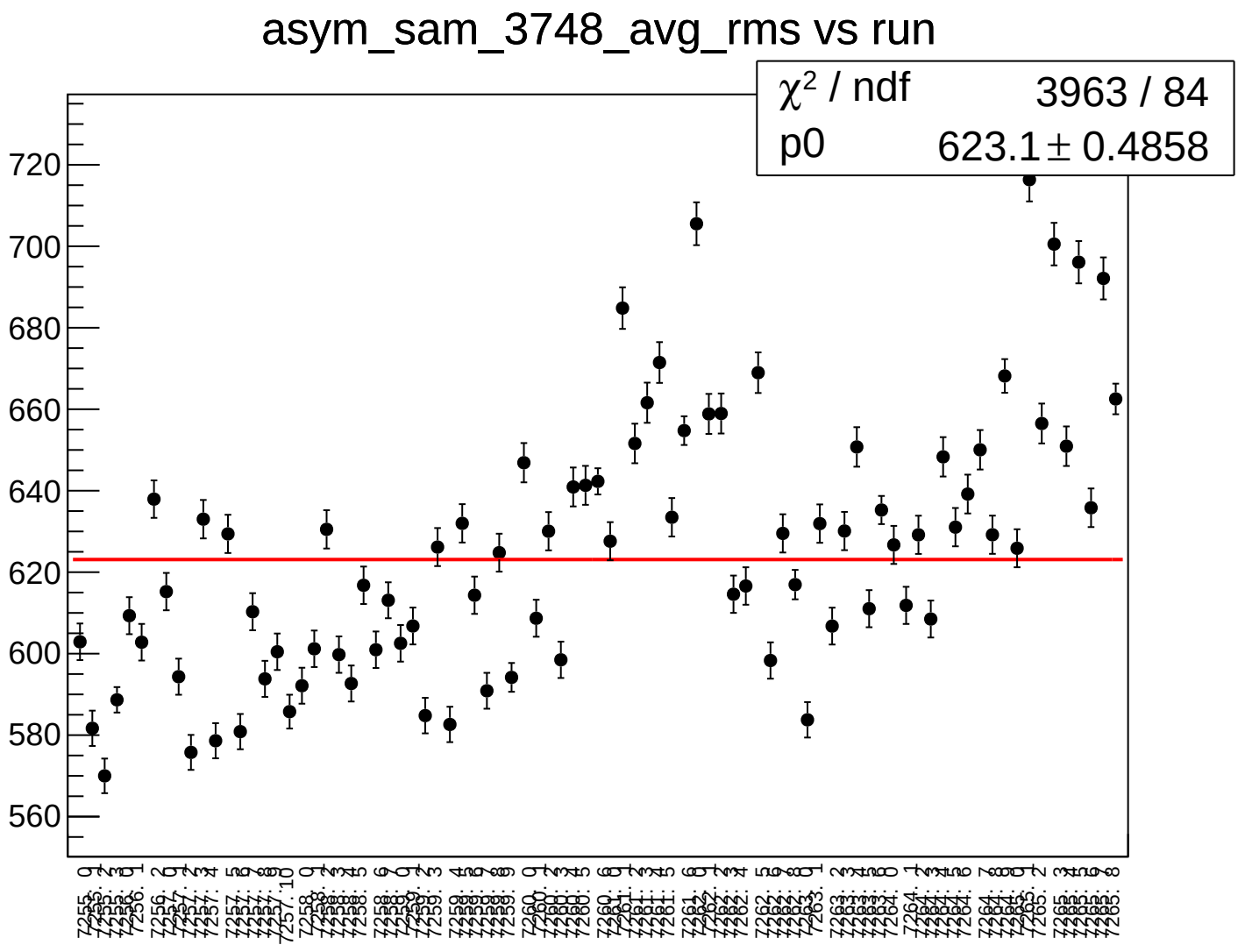

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 93.26 / 84
p0 −924.7 ± 686.4
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −533.5
Std Dev 572
3
2
1
0
−1
−2

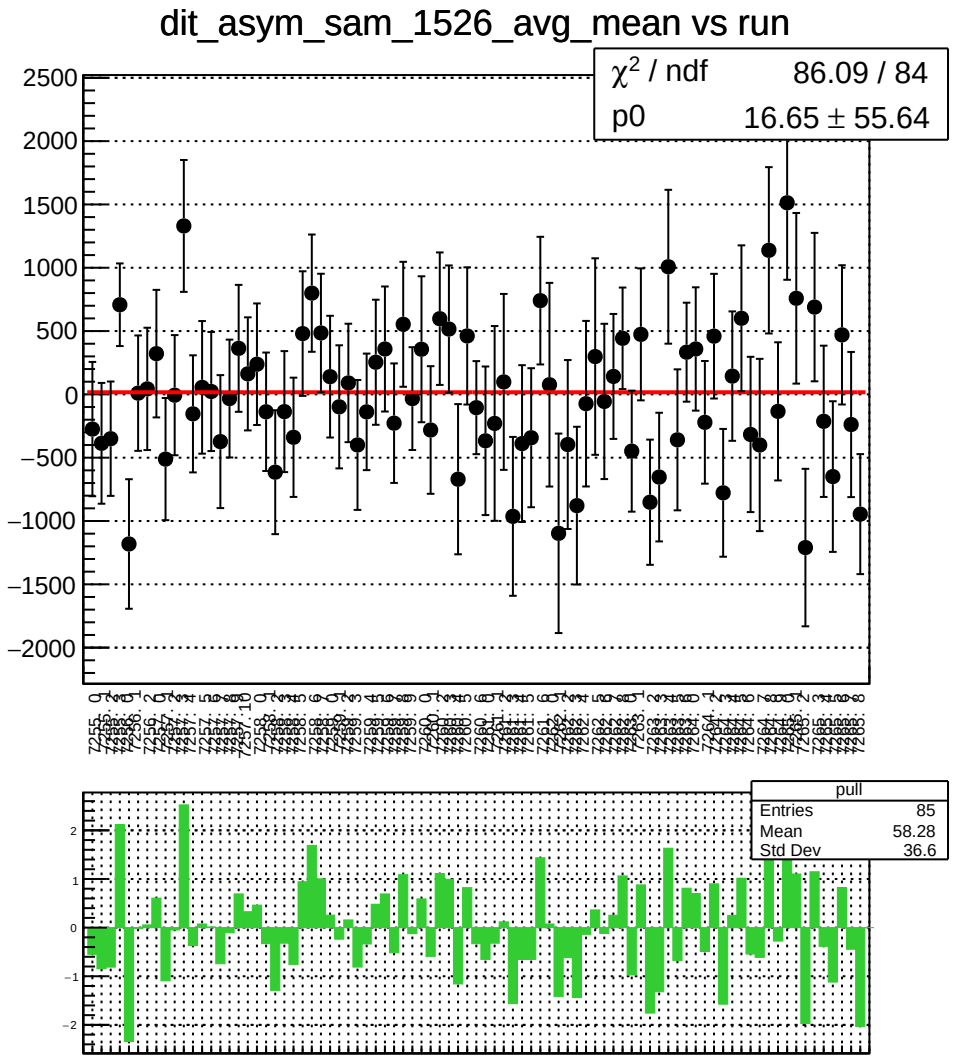

pull1D
Entries 85
Mean −0.005927
Std Dev 1.047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

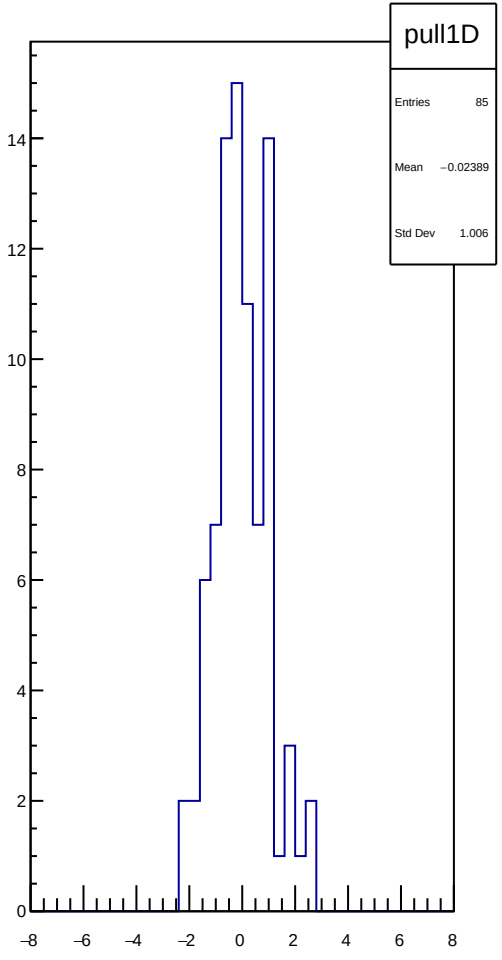

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2342 / 84
p0 622.7 ± 0.4853
700
680
660
640
620
600
580

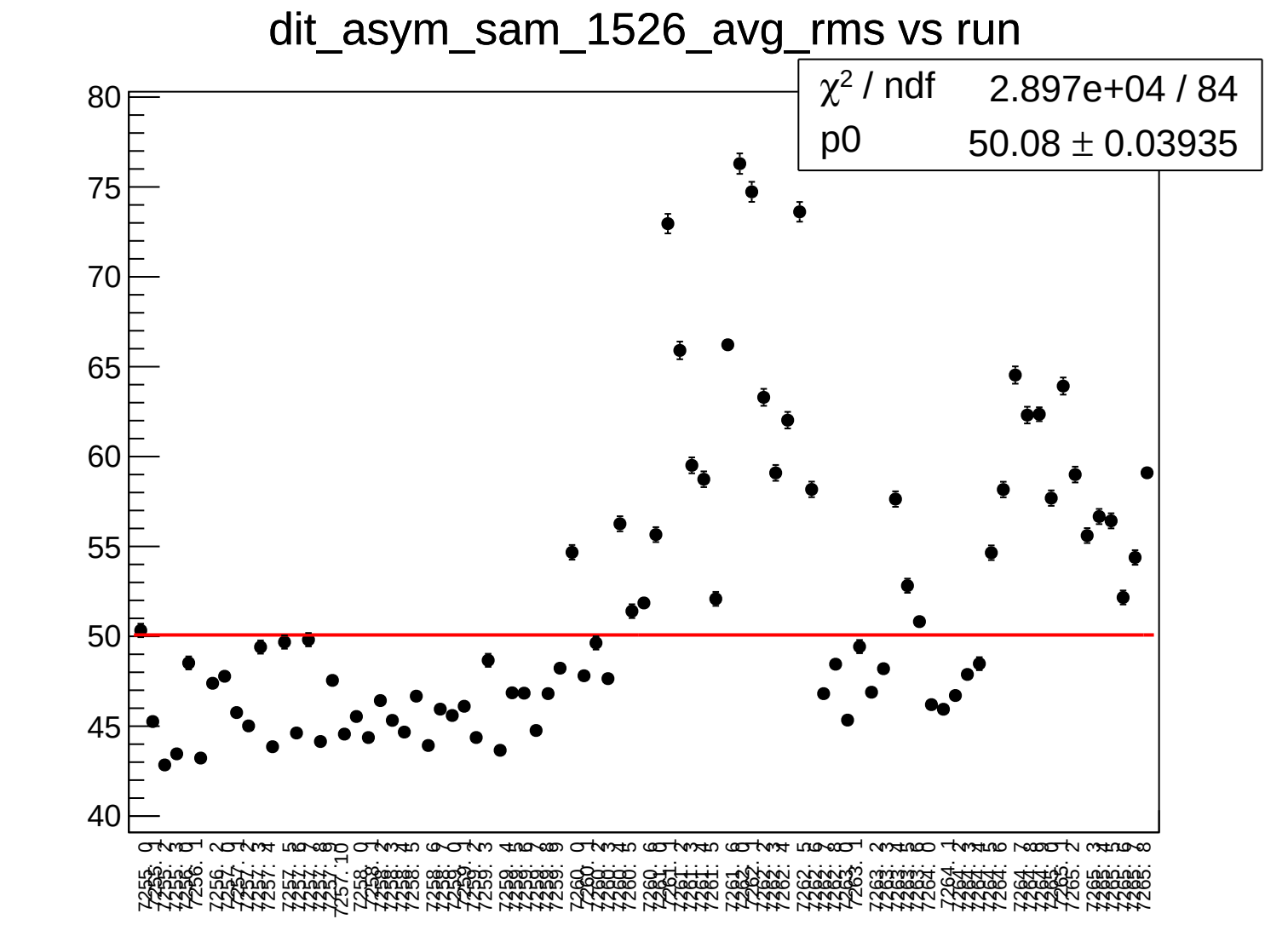

asym_sam_3748_avg_mean vs run
χ² / ndf 96.78 / 84
p0 981.5 ± 687.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −1522
Std Dev 1560
2
1
0
−1
−2
−3

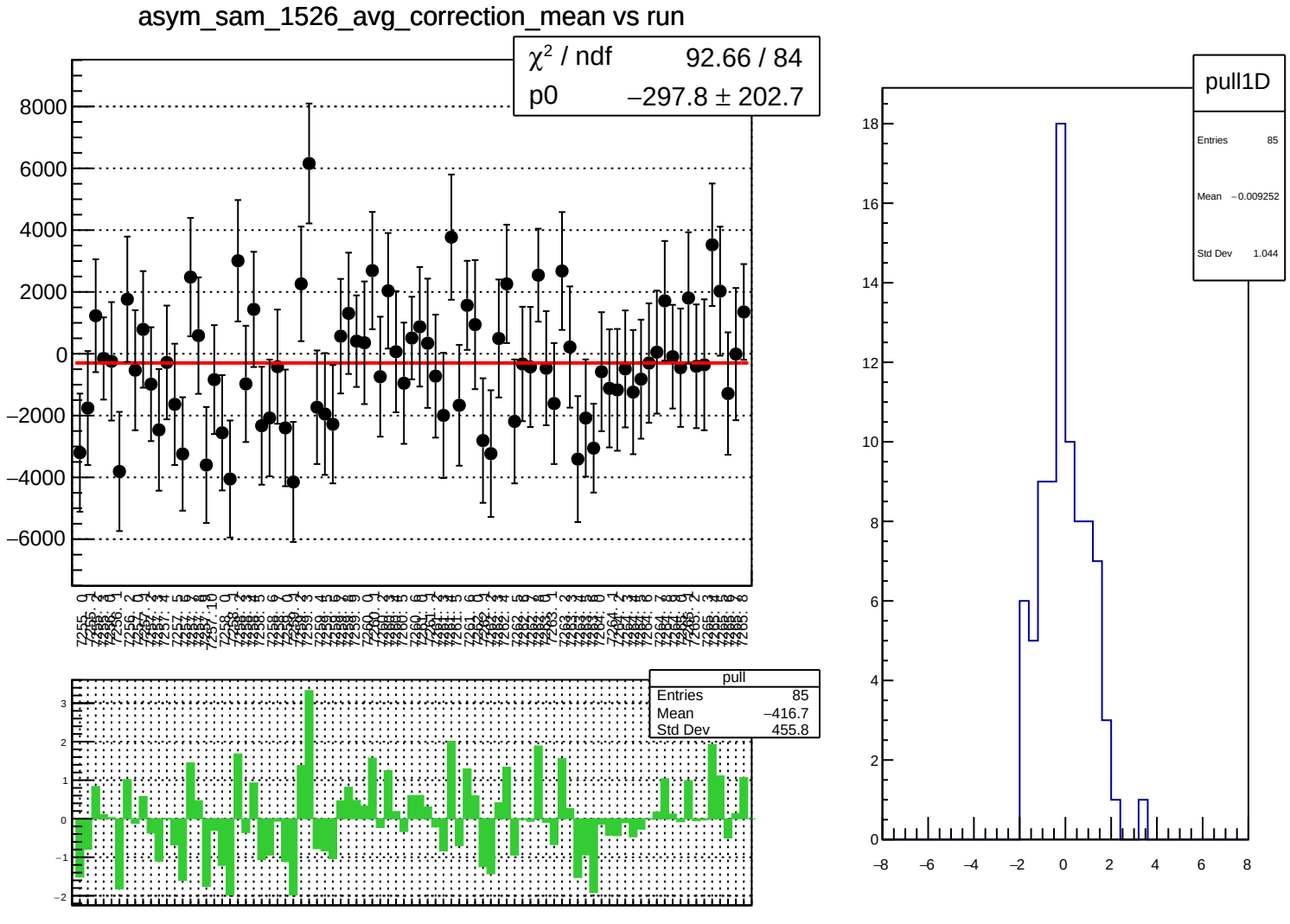

pull1D
Entries 85
Mean 0.002275
Std Dev 1.067
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

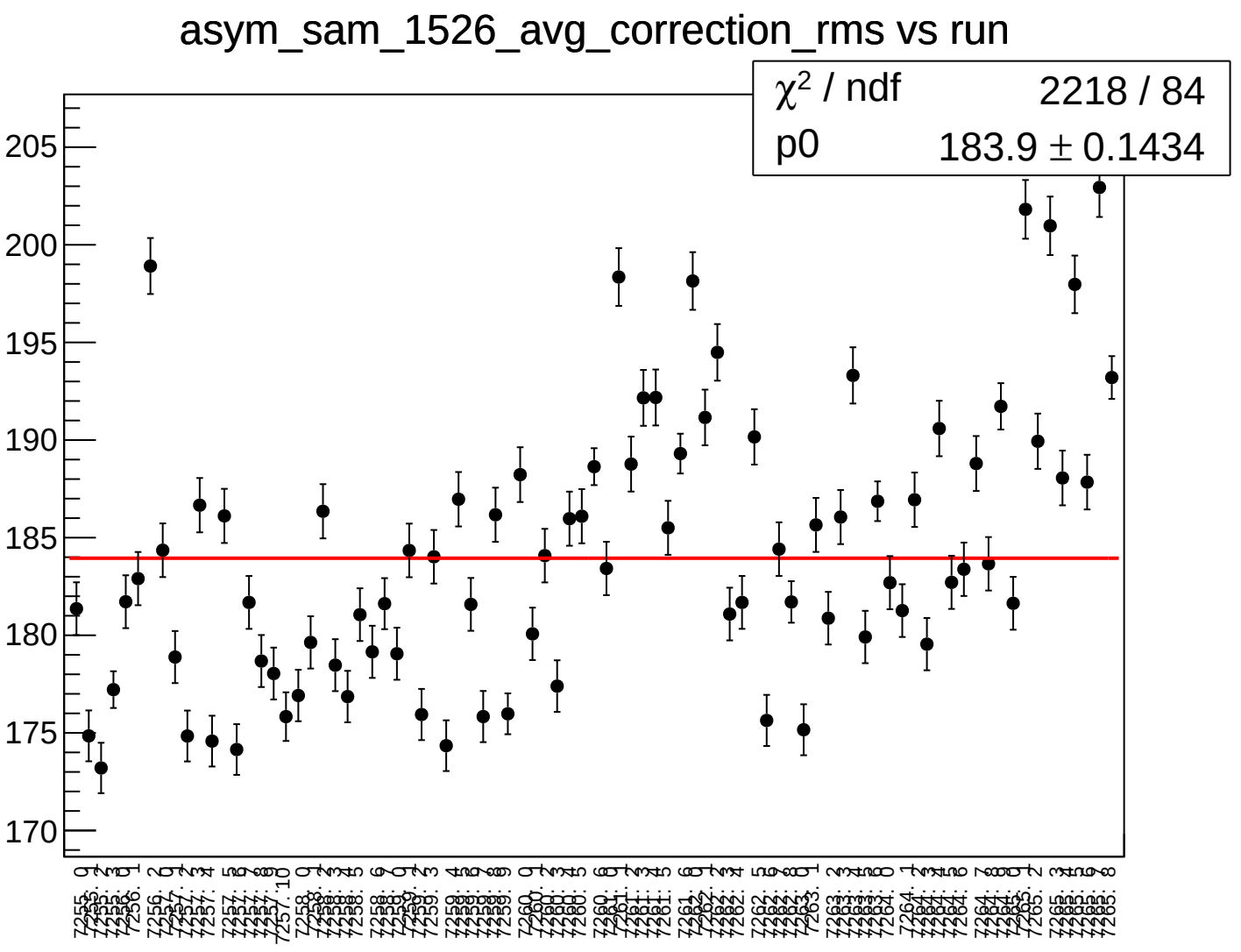

asym_sam_3748_avg_rms vs run
χ² / ndf 3963 / 84
p0 623.1 ± 0.4858
720
700
680
660
640
620
600
580
560

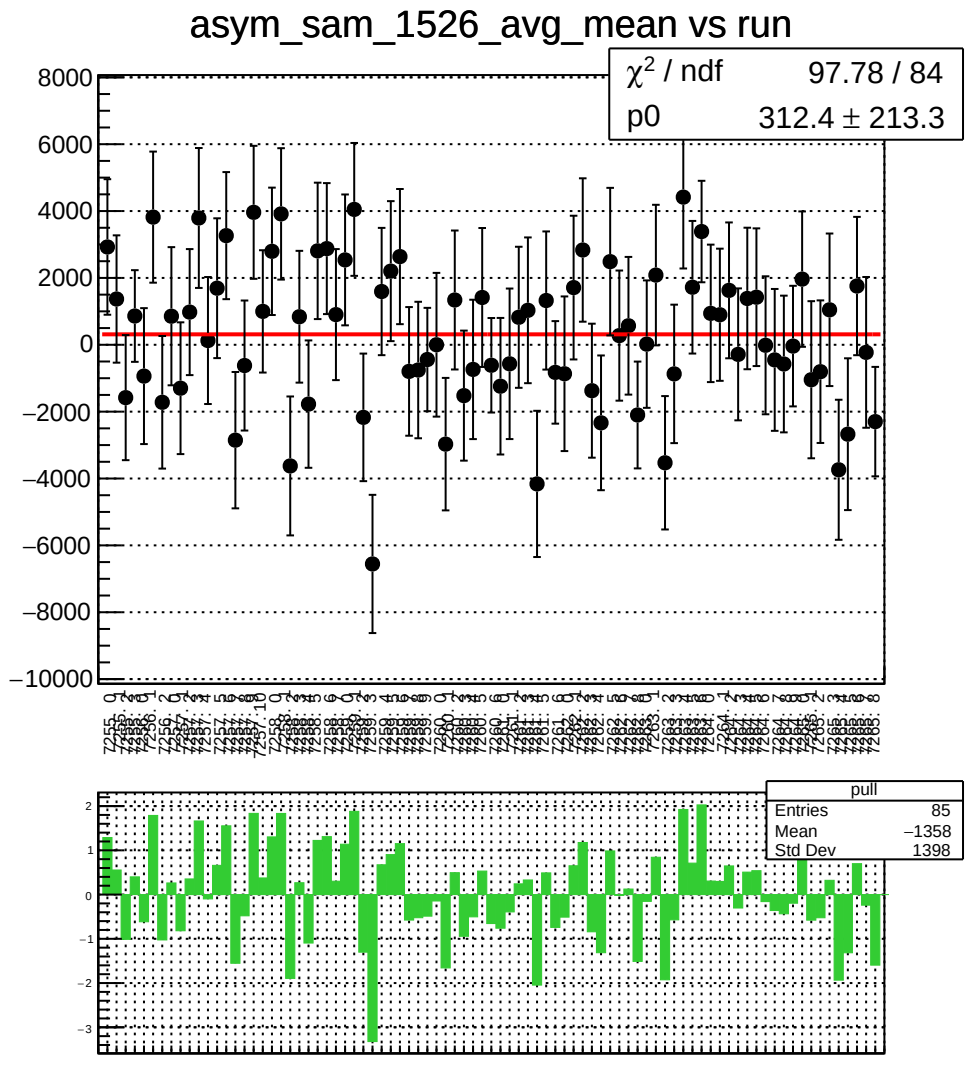

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 86.09 / 84
p0 16.65 ± 55.64
pull
Entries 85
Mean 58.28
Std Dev 36.6

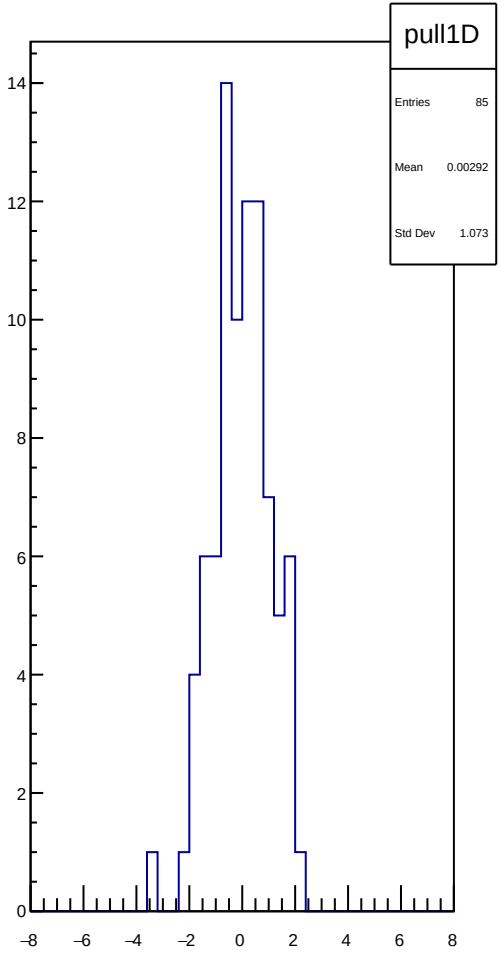

pull1D
Entries 85
Mean −0.02389
Std Dev 1.006

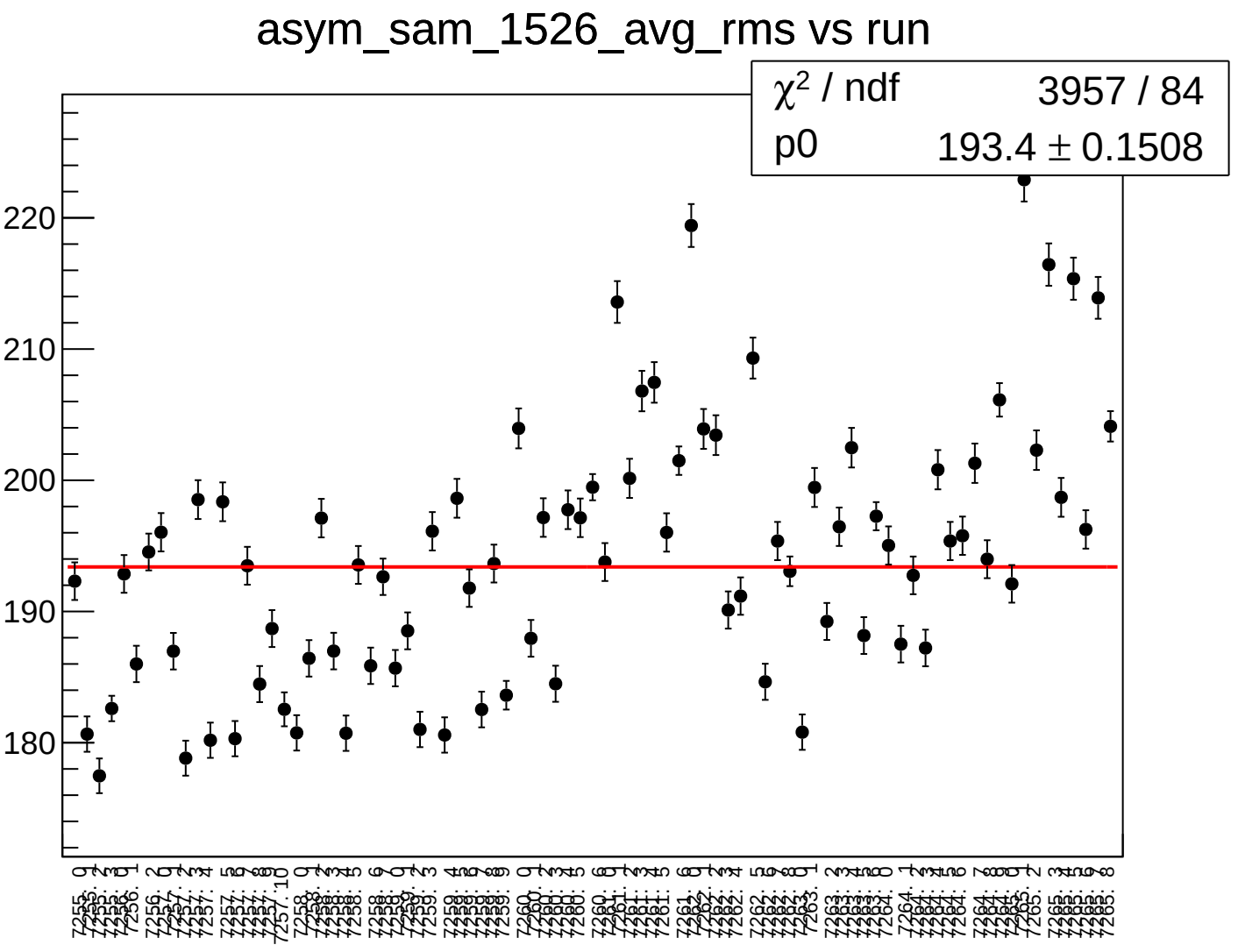

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 2.897e+04 / 84
p0 50.08 ± 0.03935
80
75
70
65
60
55
50
45
40

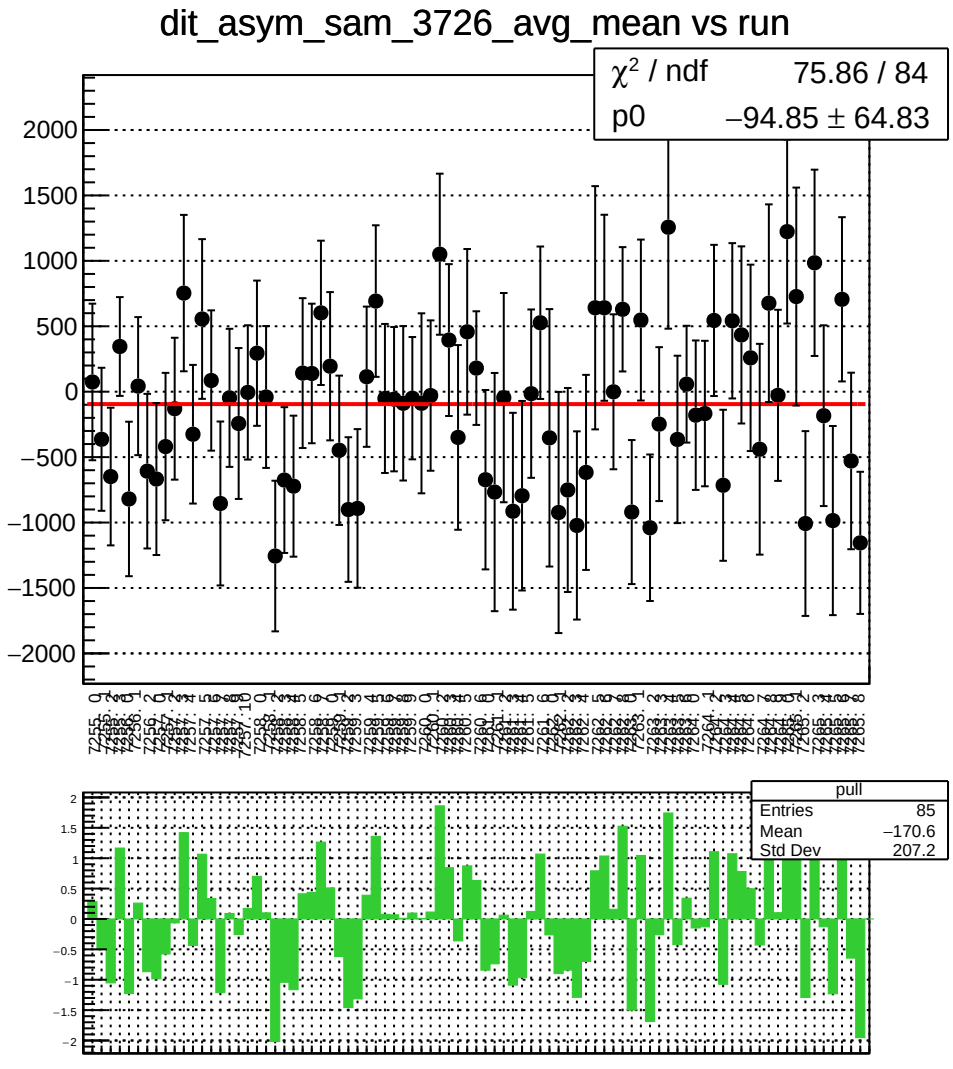

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 92.66 / 84
p0 −297.8 ± 202.7
8000
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 85
Mean −416.7
Std Dev 455.8
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.009252
Std Dev 1.044
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

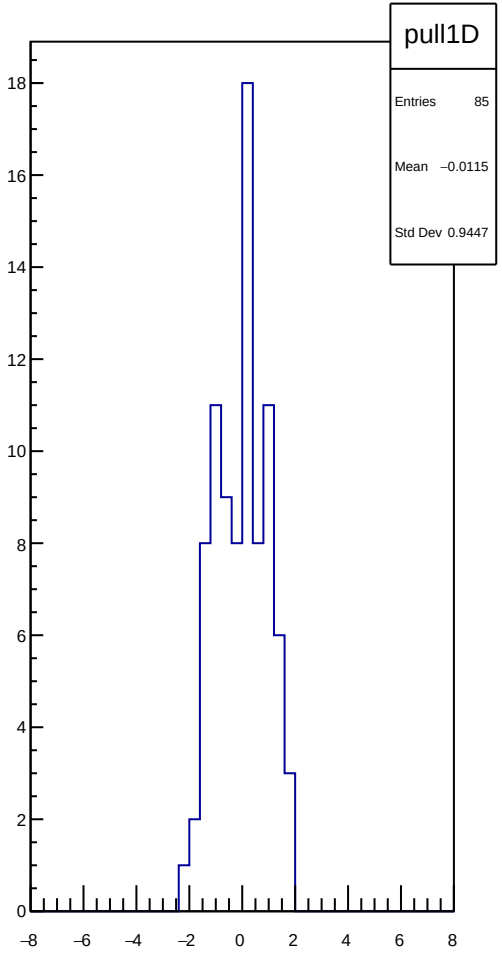

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2218 / 84
p0 183.9 ± 0.1434
205
200
195
190
185
180
175
170

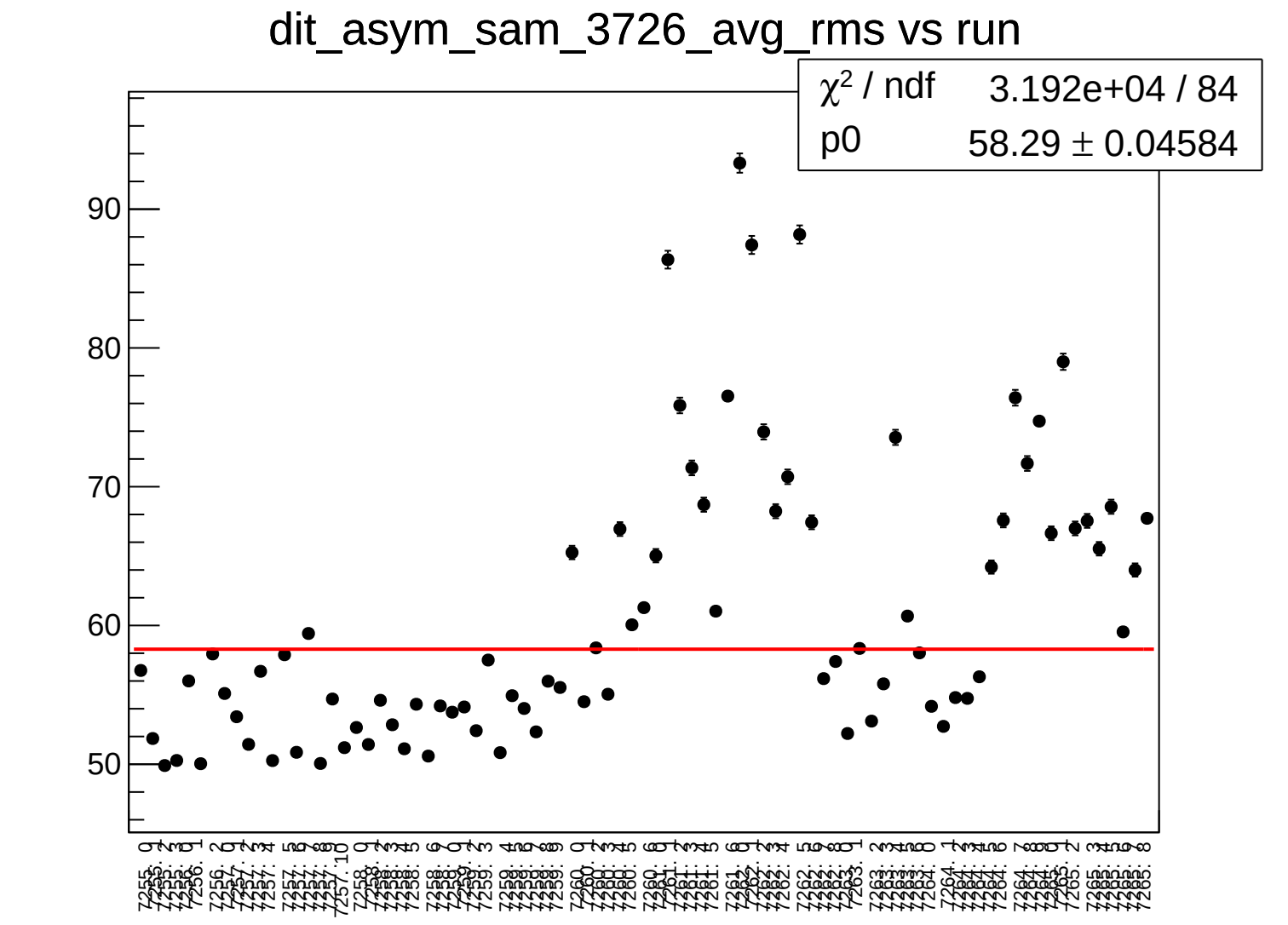

asym_sam_1526_avg_mean vs run
χ² / ndf 97.78 / 84
p0 312.4 ± 213.3
pull
Entries 85
Mean −1358
Std Dev 1398

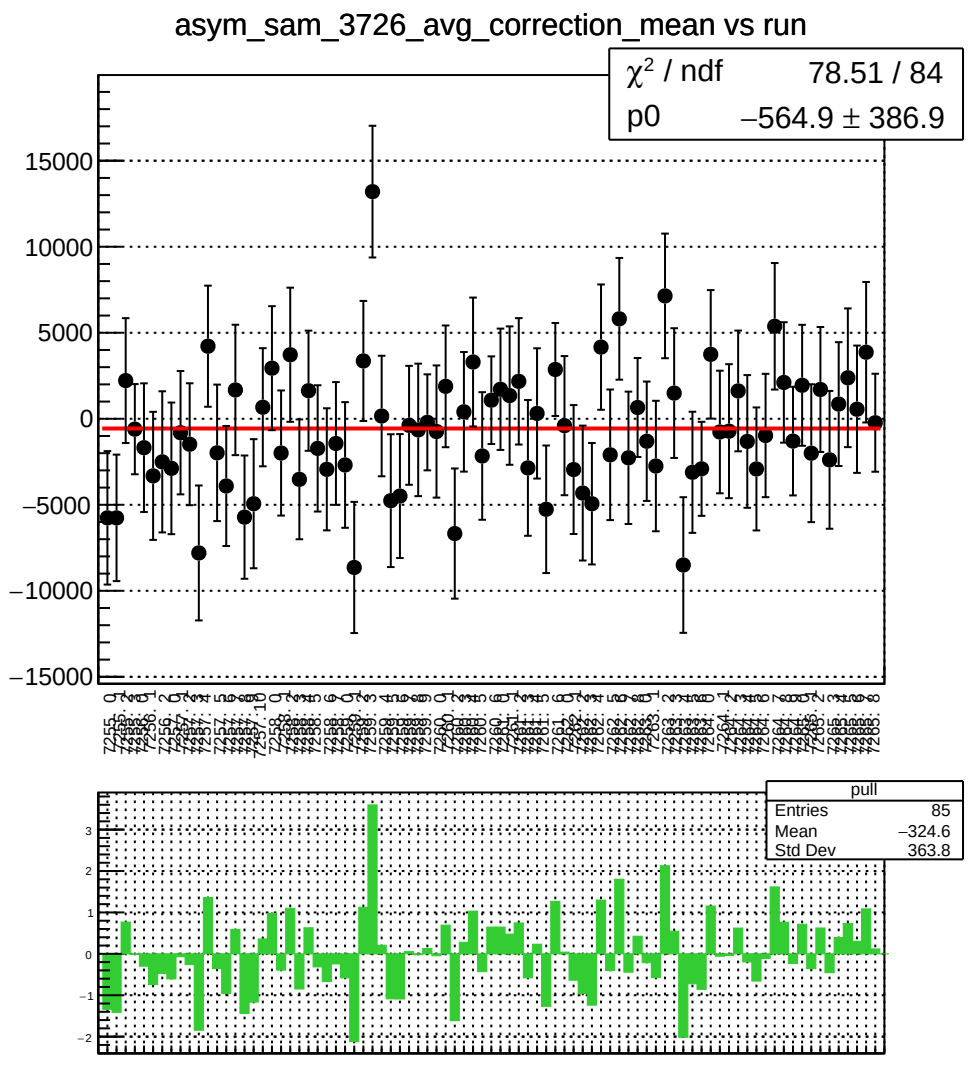

pull1D
Entries 85
Mean 0.00292
Std Dev 1.073

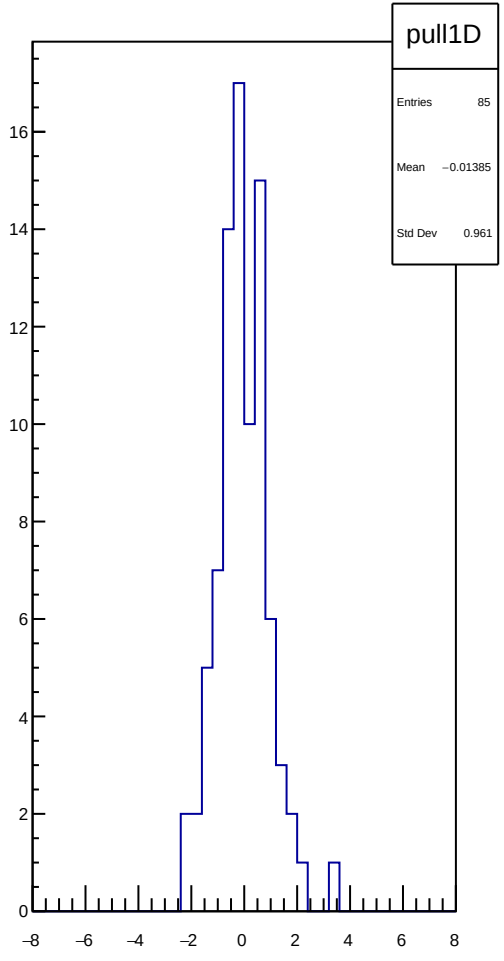

asym_sam_1526_avg_rms vs run
χ² / ndf 3957 / 84
p0 193.4 ± 0.1508
220
210
200
190
180

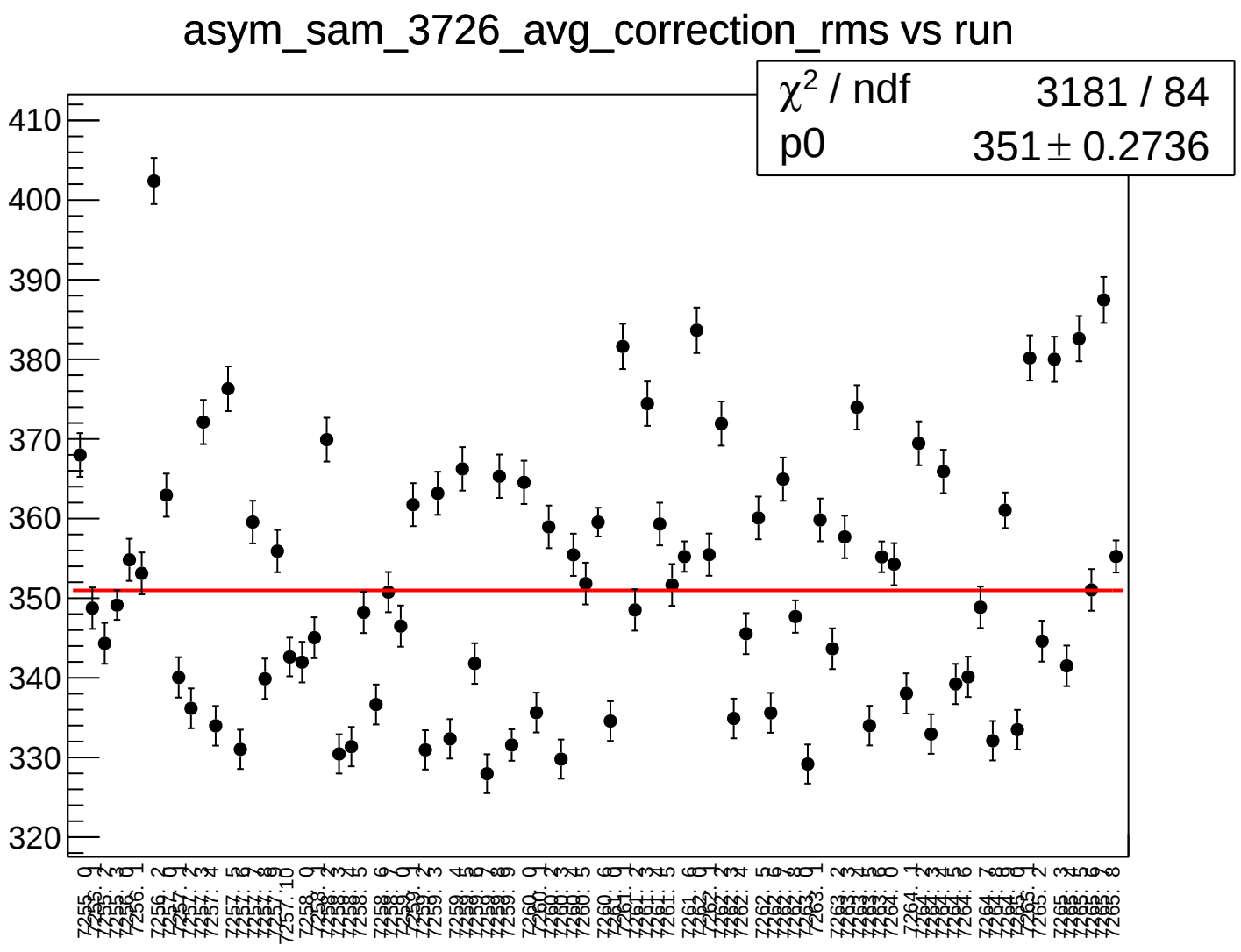

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 75.86 / 84
p0 −94.85 ± 64.83
pull
Entries 85
Mean −170.6
Std Dev 207.2

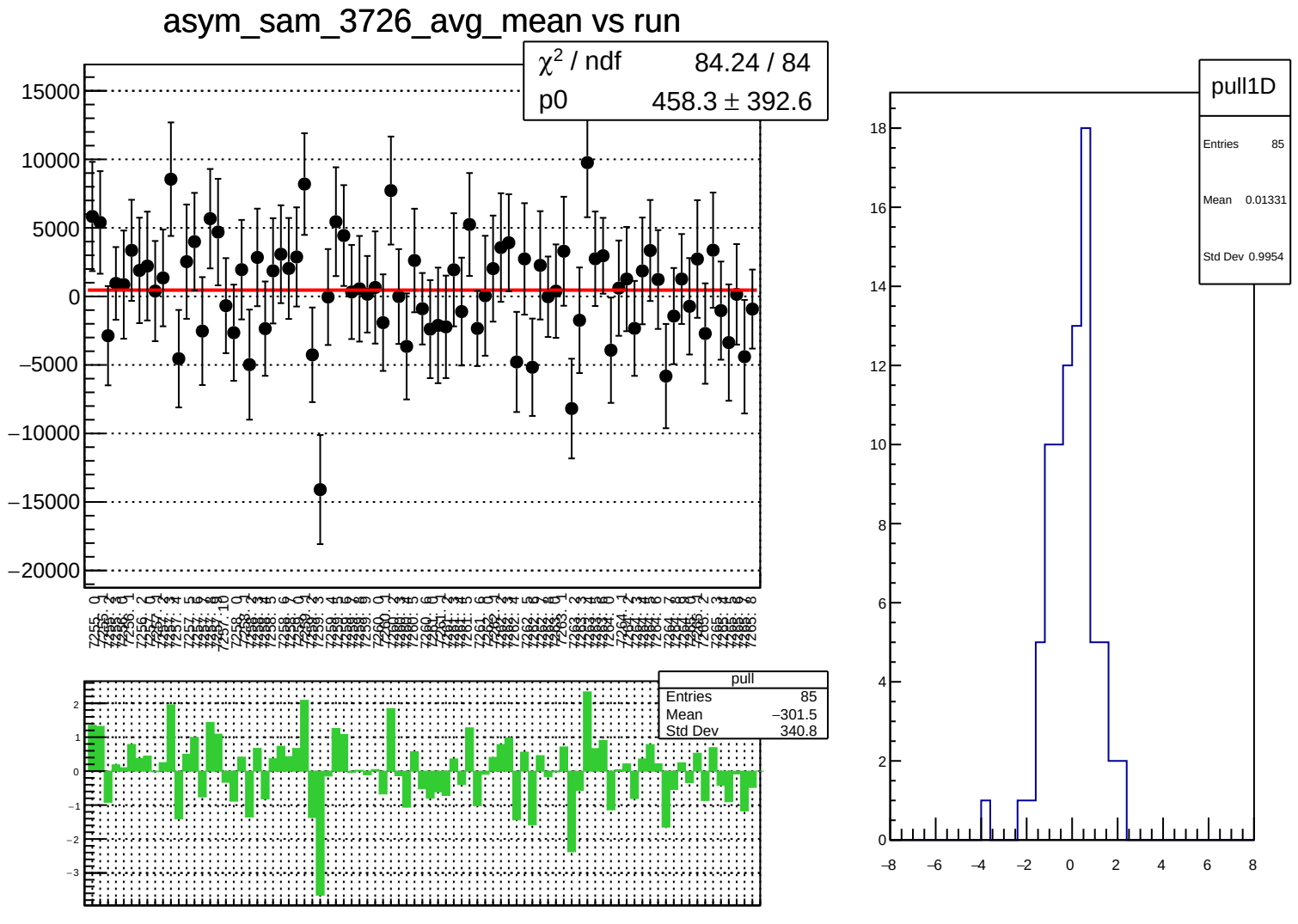

pull1D
Entries 85
Mean −0.0115
Std Dev 0.9447

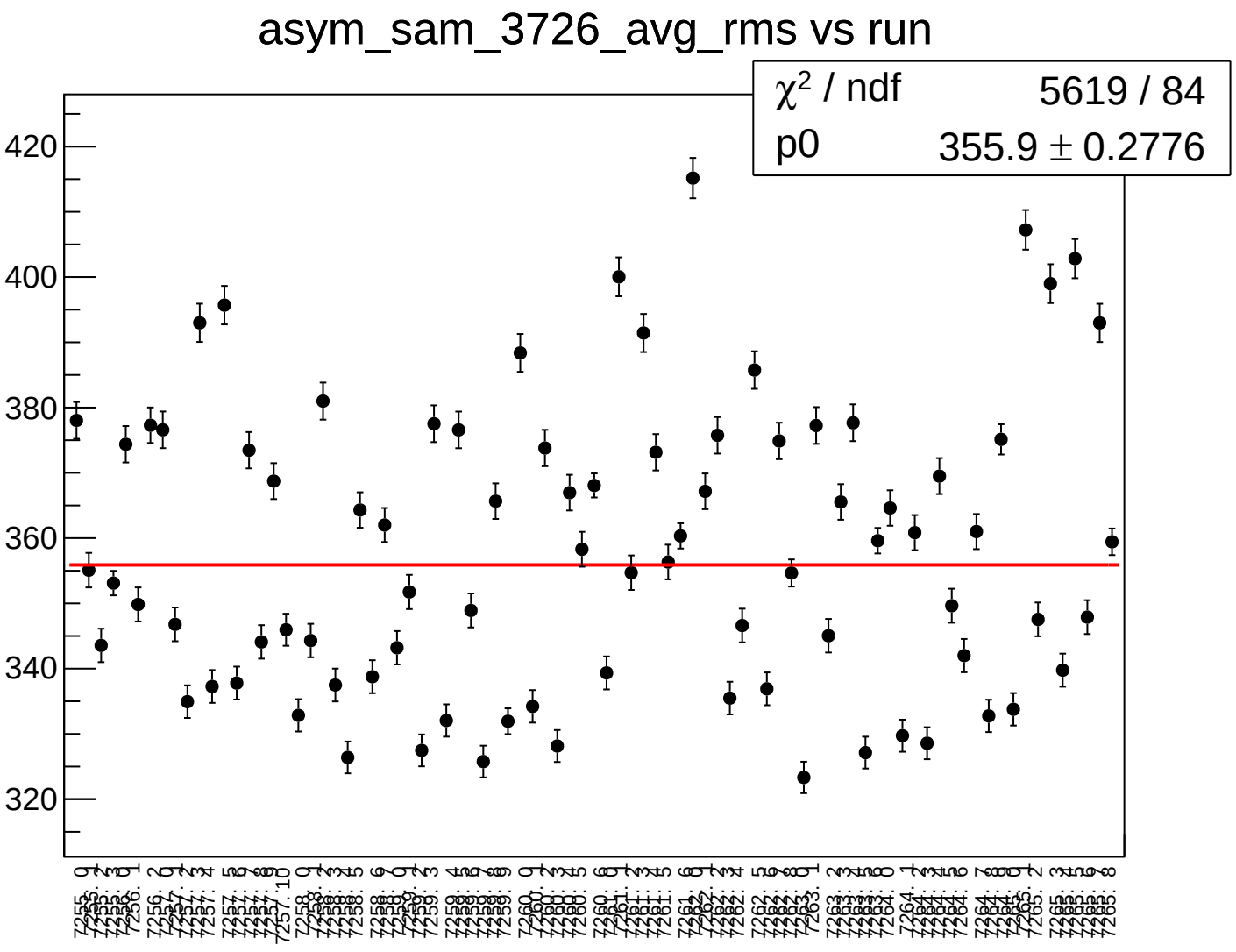

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3.192e+04 / 84
p0 58.29 ± 0.04584
90
80
70
60
50

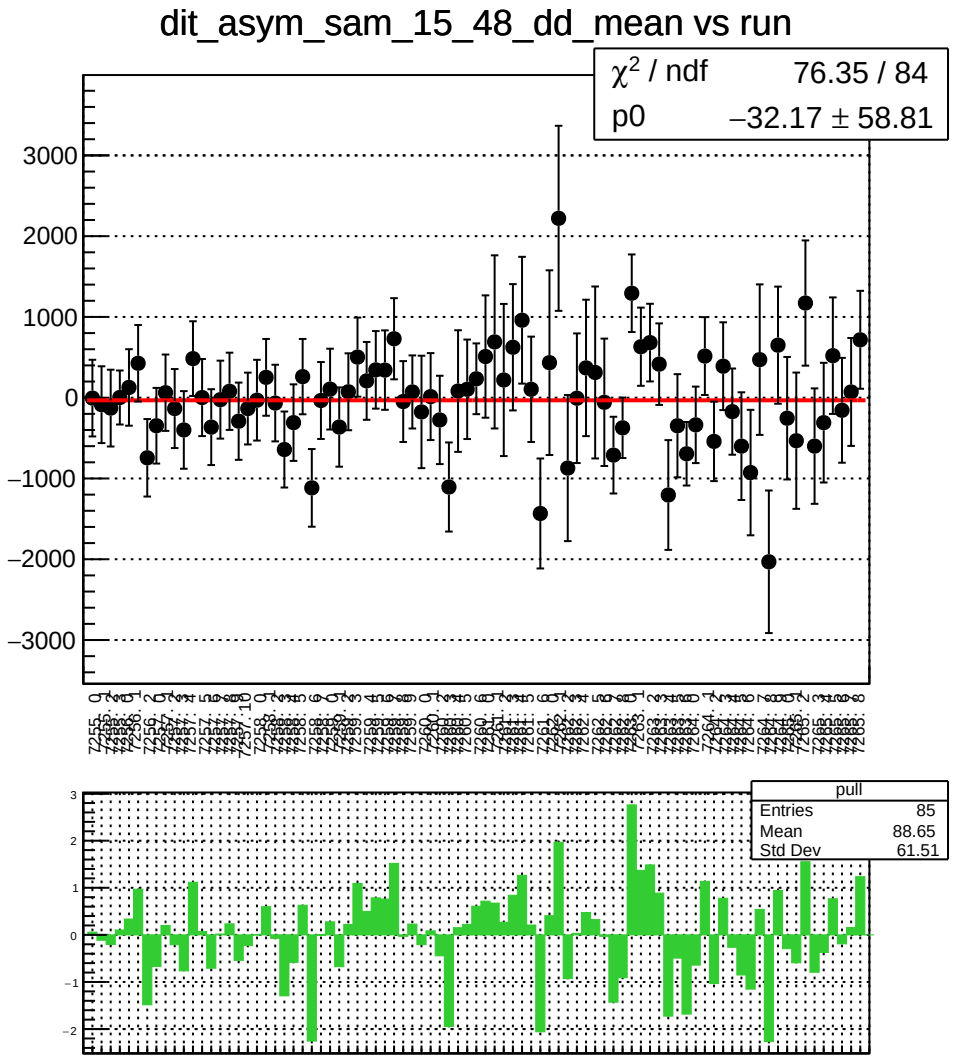

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 78.51 / 84
p0 −564.9 ± 386.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −324.6
Std Dev 363.8
3
2
1
0
−1
−2

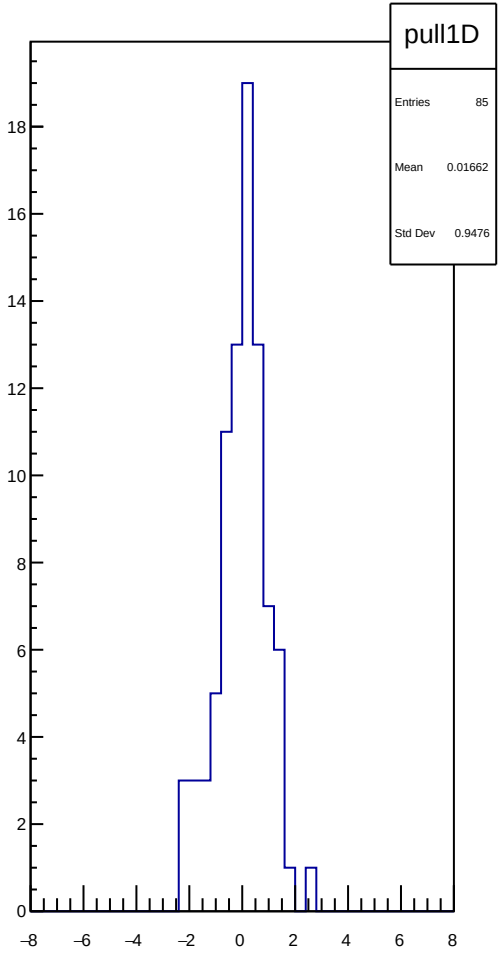

pull1D
Entries 85
Mean −0.01385
Std Dev 0.961
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

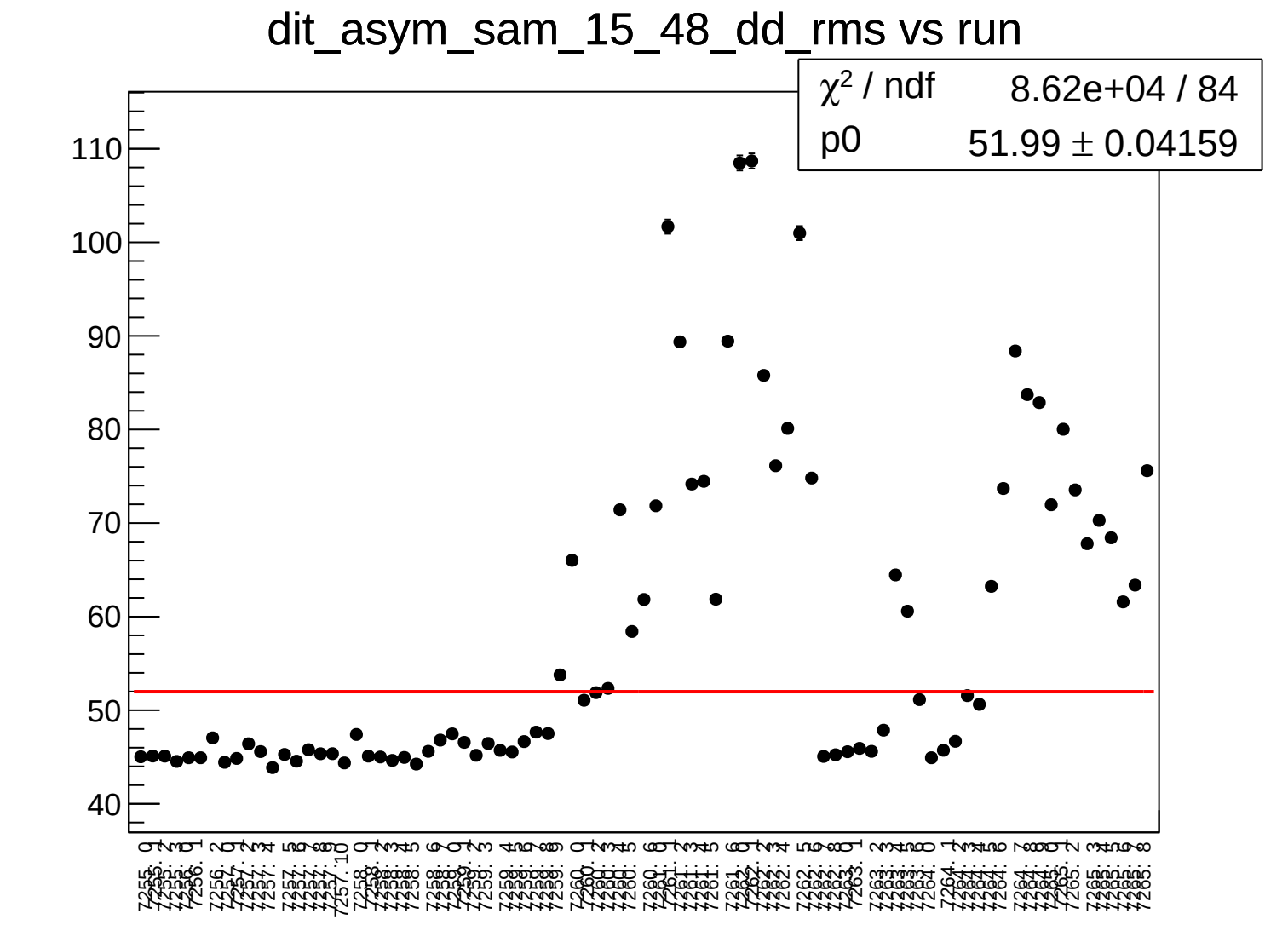

asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 3181 / 84
p0 351 ± 0.2736
410
400
390
380
370
360
350
340
330
320

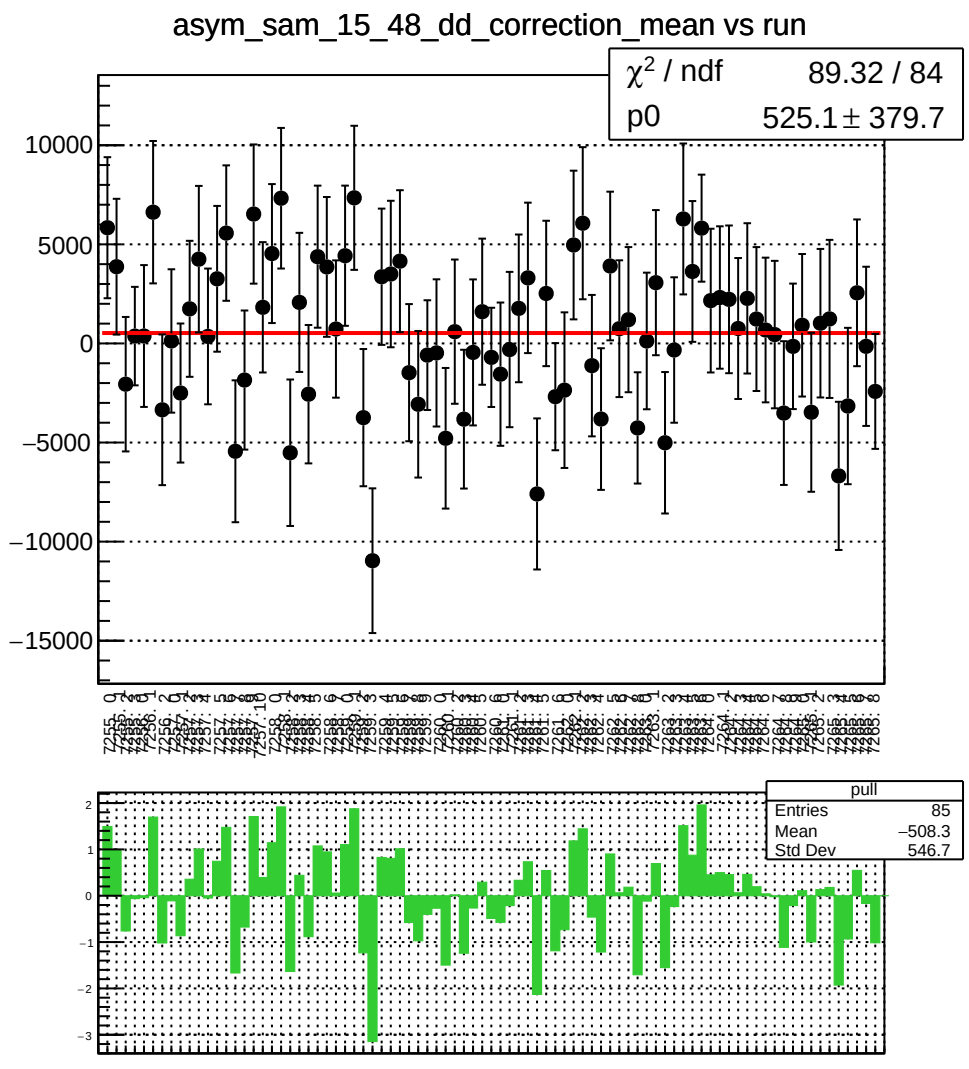

asym_sam_3726_avg_mean vs run
χ² / ndf 84.24 / 84
p0 458.3 ± 392.6
pull
Entries 85
Mean −301.5
Std Dev 340.8
pull1D
Entries 85
Mean 0.01331
Std Dev 0.9954

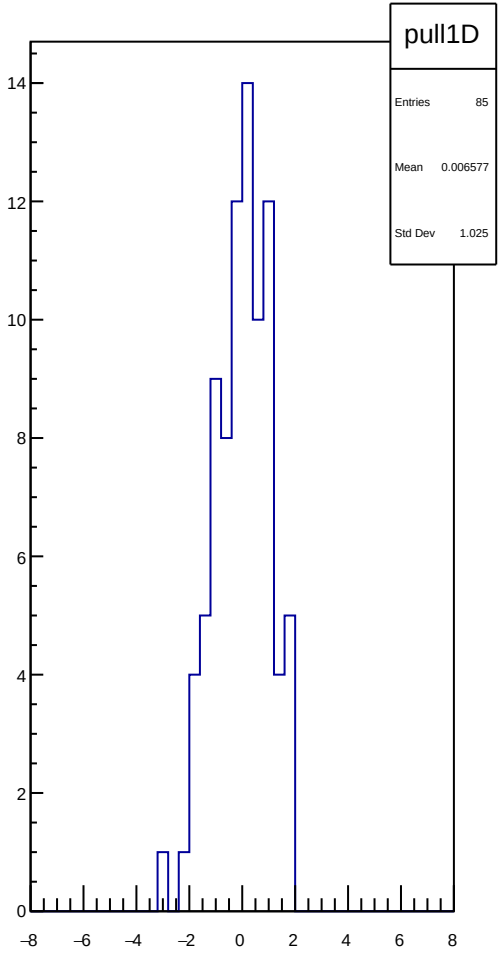

asym_sam_3726_avg_rms vs run
χ² / ndf 5619 / 84
p0 355.9 ± 0.2776
420
400
380
360
340
320

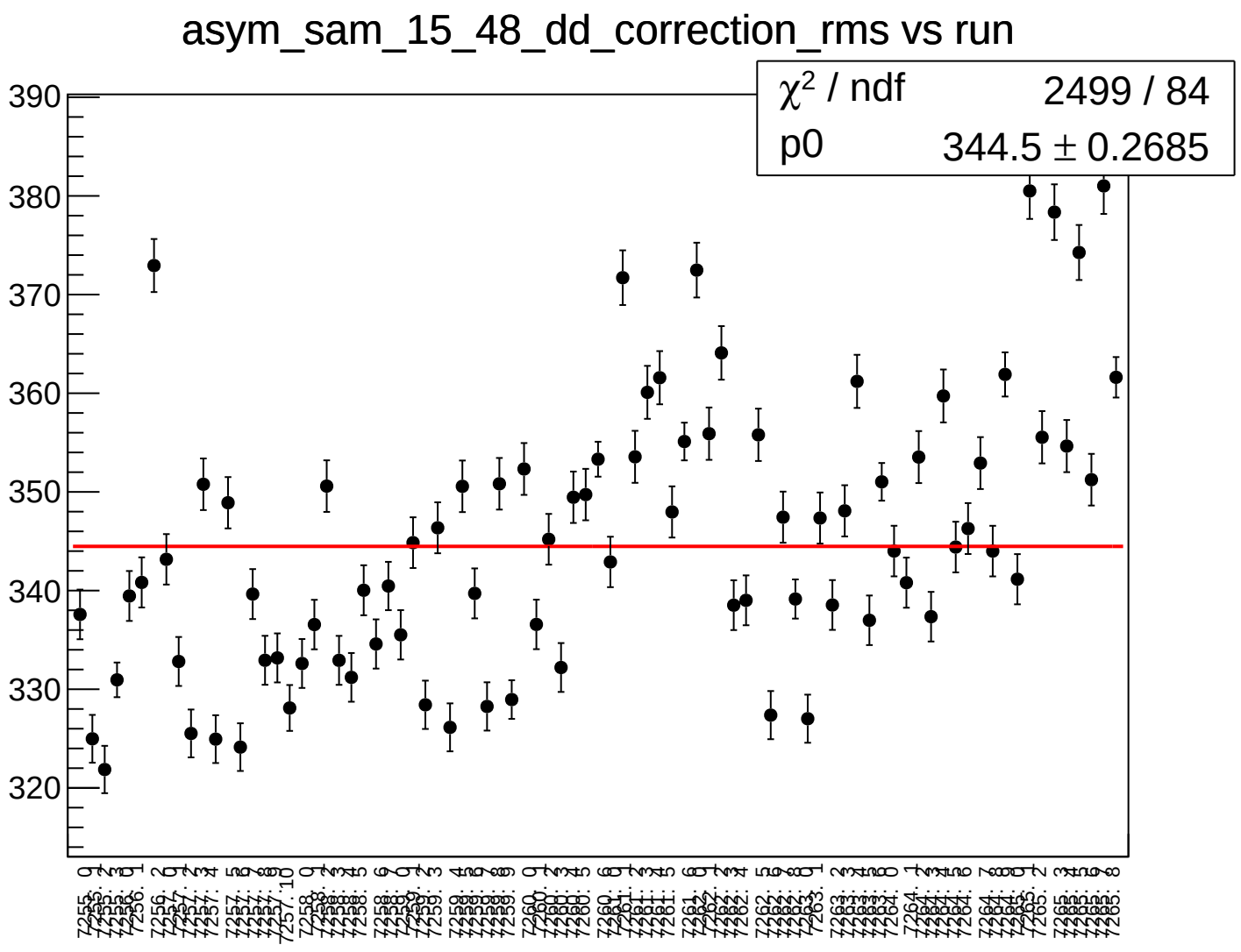

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 76.35 / 84
p0 −32.17 ± 58.81
pull
Entries 85
Mean 88.65
Std Dev 61.51

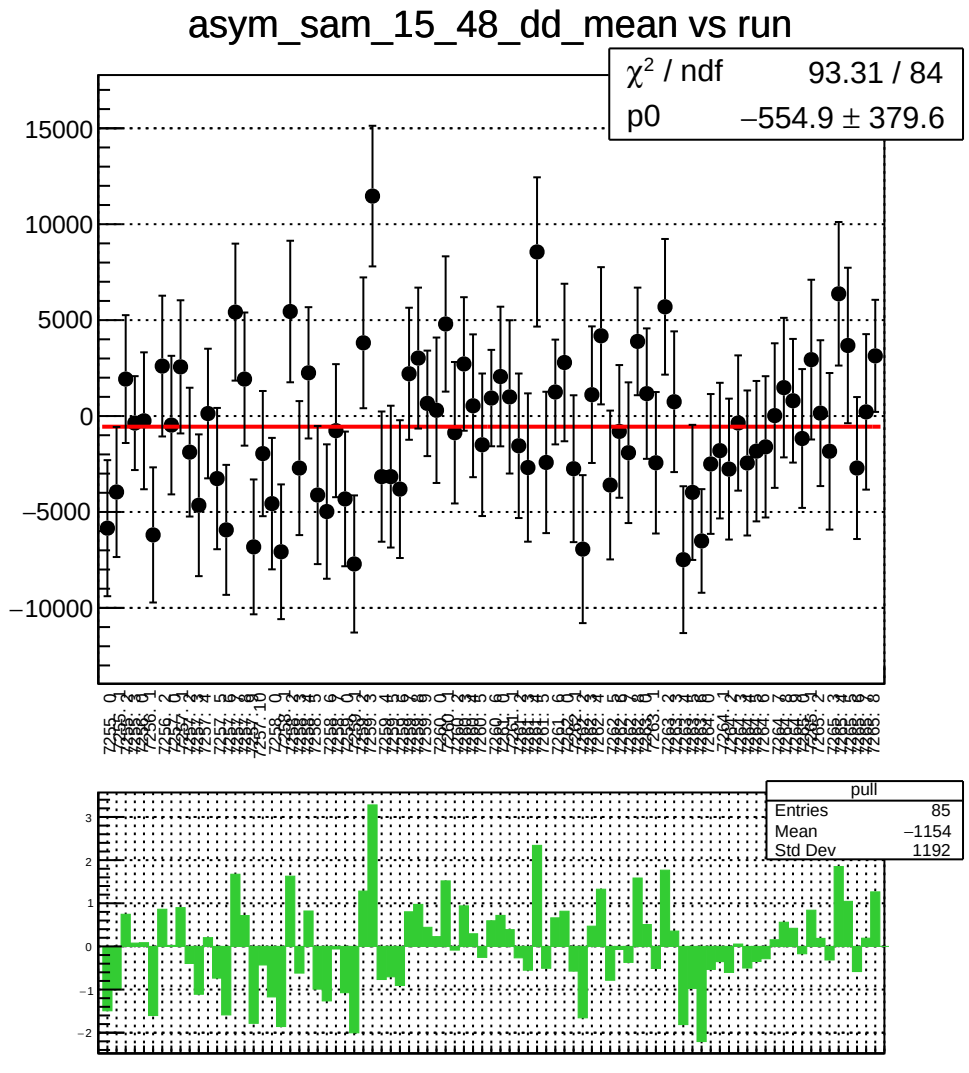

pull1D
Entries 85
Mean 0.01662
Std Dev 0.9476

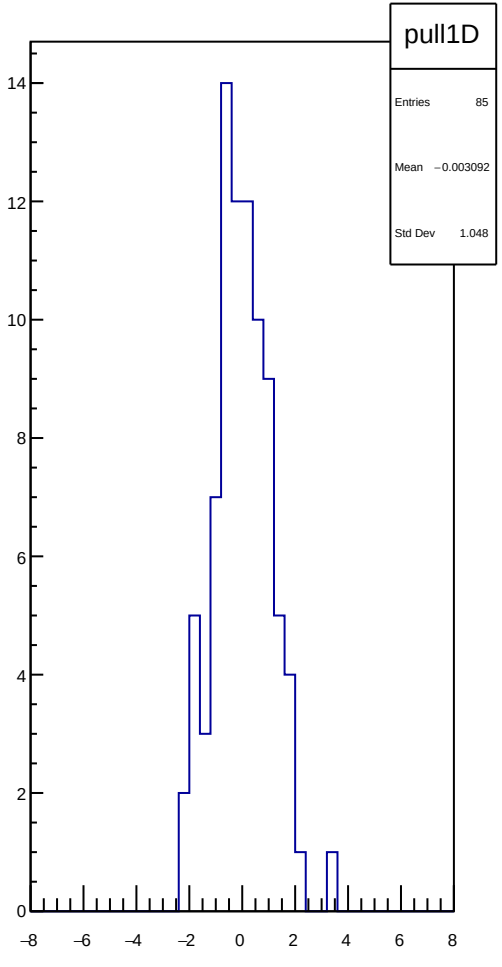

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 8.62e+04 / 84
p0 51.99 ± 0.04159
110
100
90
80
70
60
50
40

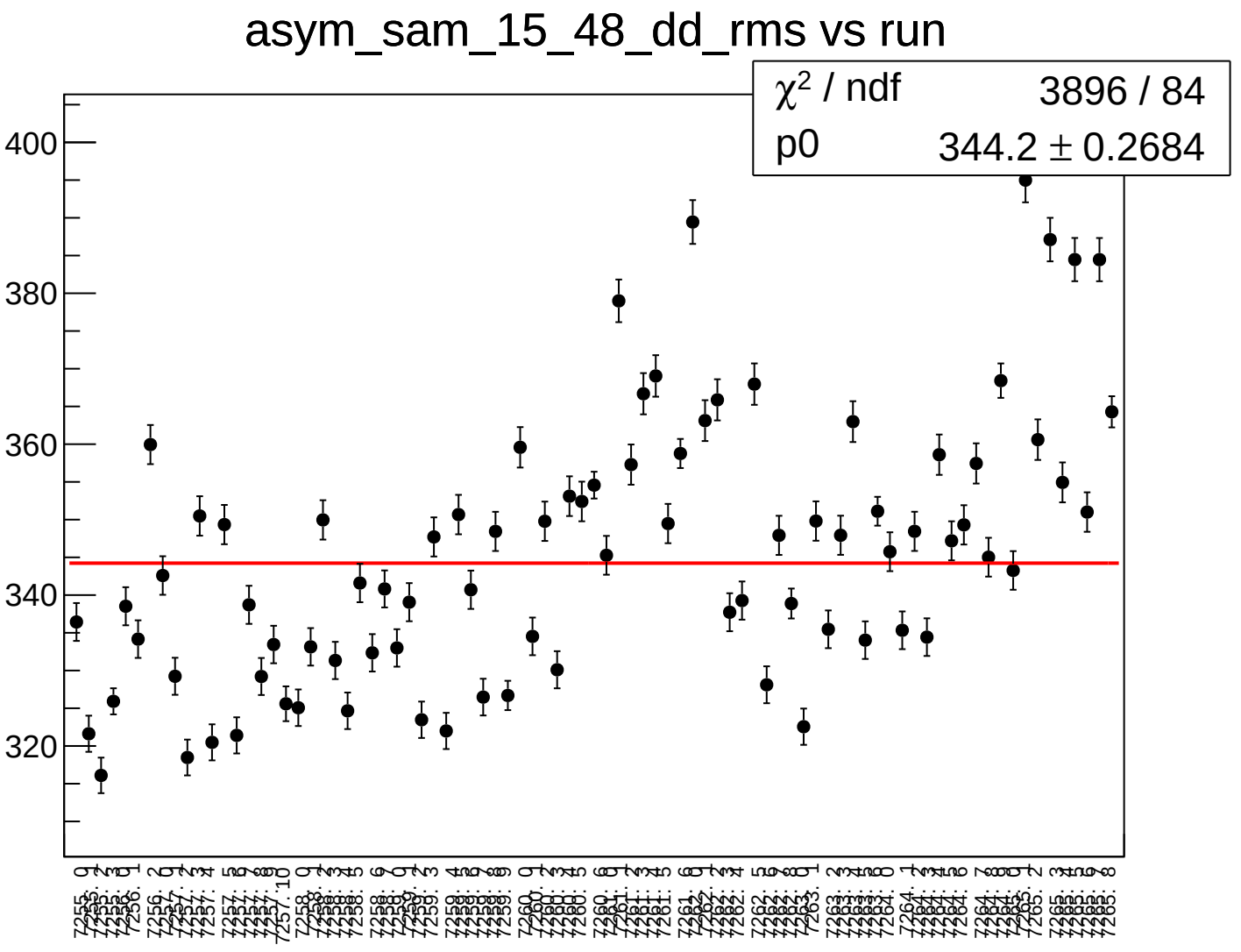

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 89.32 / 84
p0 525.1 ± 379.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −508.3
Std Dev 546.7
2
1
0
−1
−2
−3

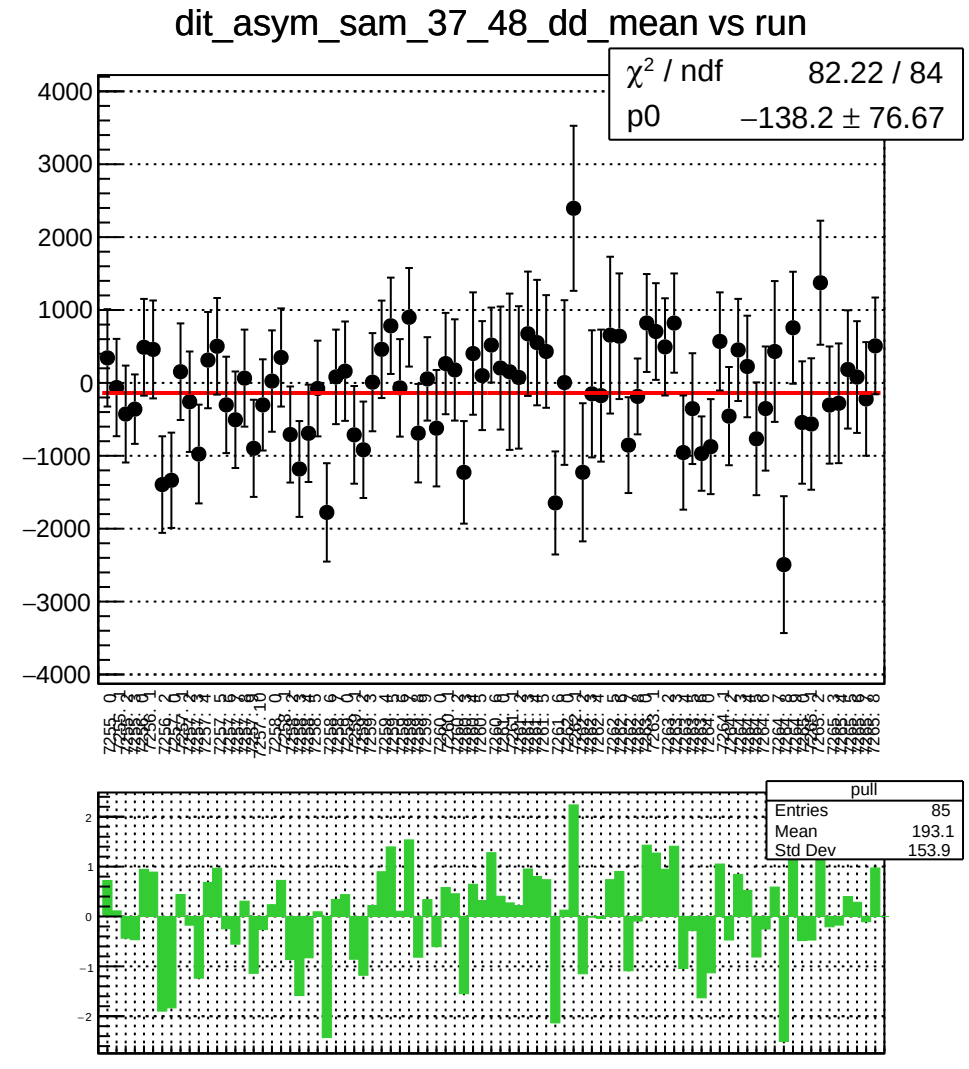

pull1D
Entries 85
Mean 0.006577
Std Dev 1.025
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

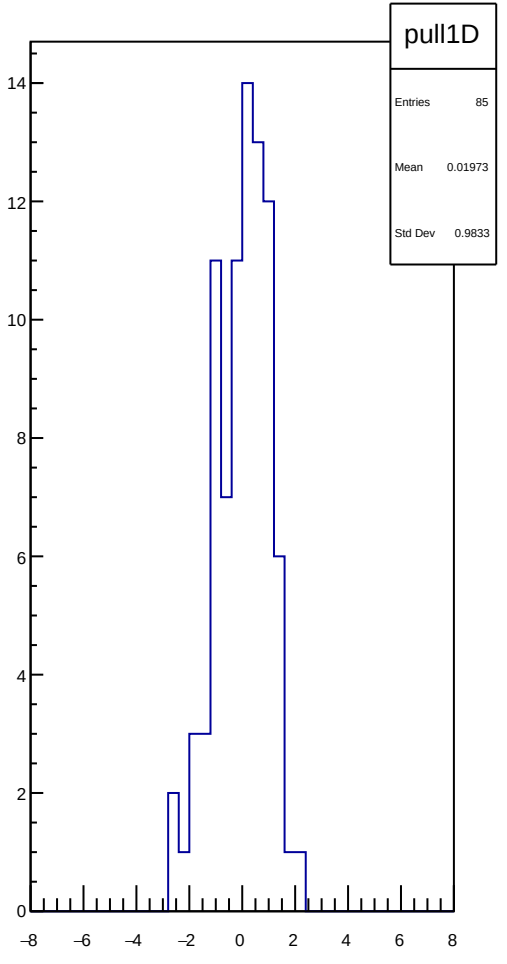

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2499 / 84
p0 344.5 ± 0.2685
390
380
370
360
350
340
330
320

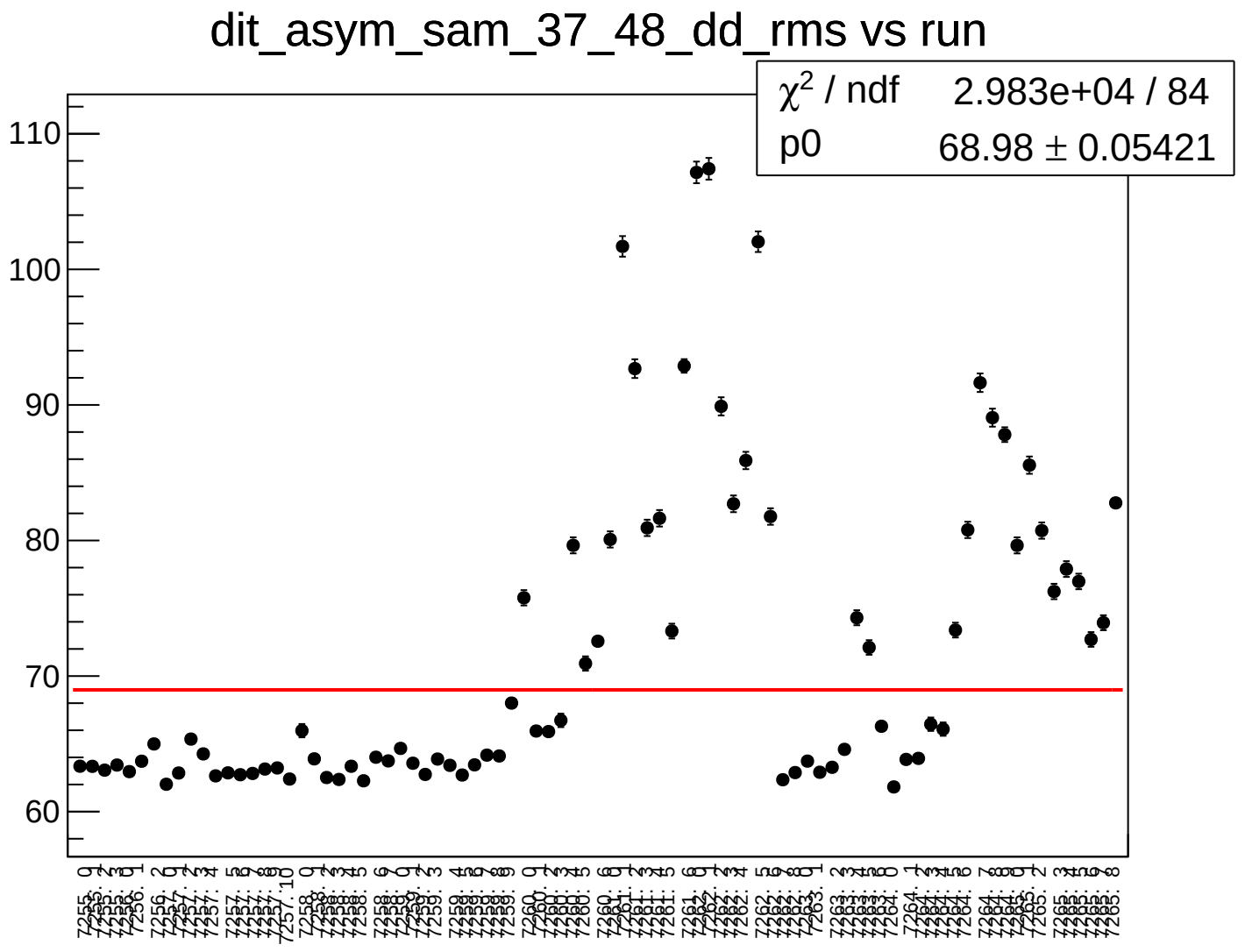

asym_sam_15_48_dd_mean vs run
χ² / ndf 93.31 / 84
p0 −554.9 ± 379.6
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −1154
Std Dev 1192
3
2
1
0
−1
−2

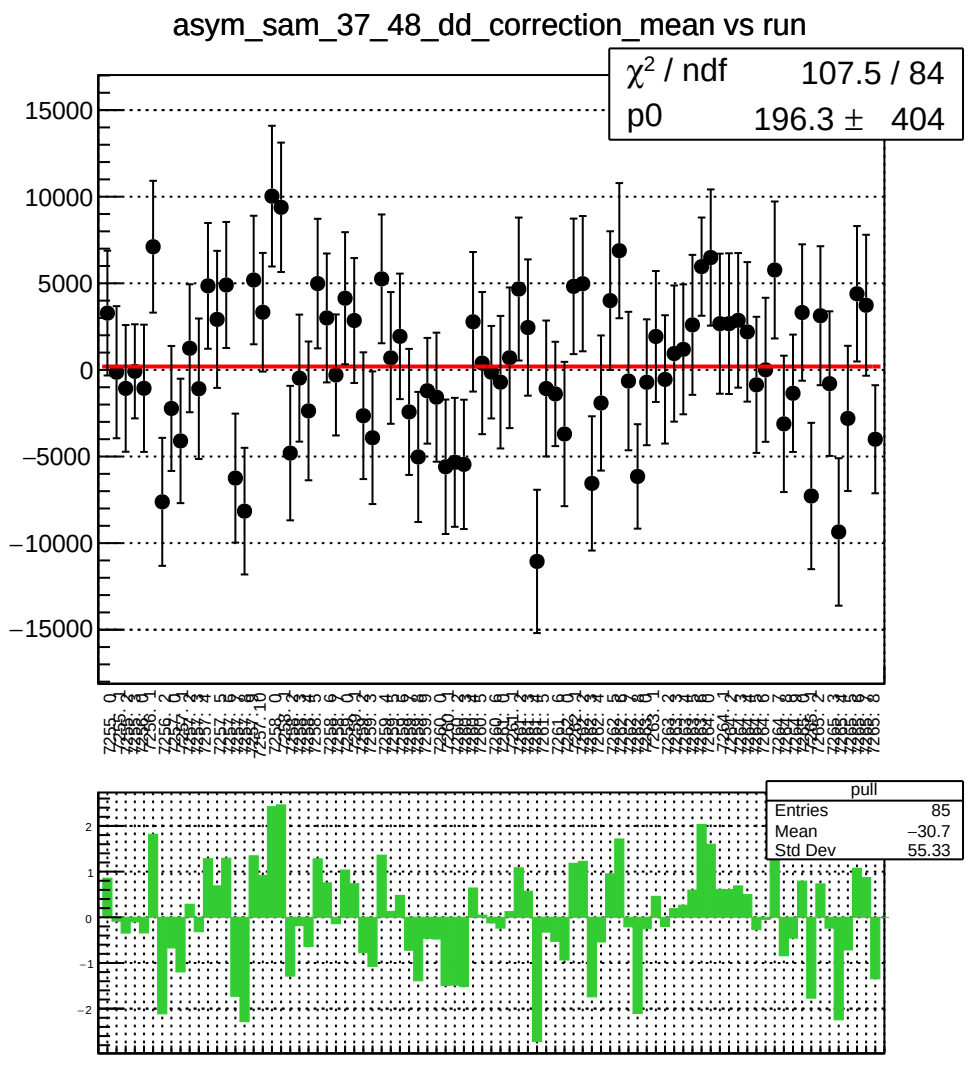

pull1D
Entries 85
Mean −0.003092
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

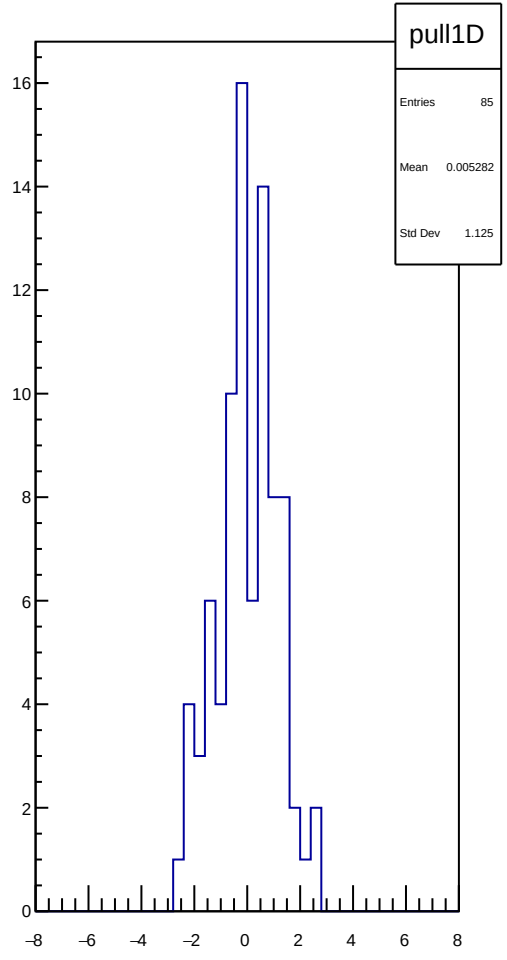

asym_sam_15_48_dd_rms vs run
χ² / ndf 3896 / 84
p0 344.2 ± 0.2684
400
380
360
340
320

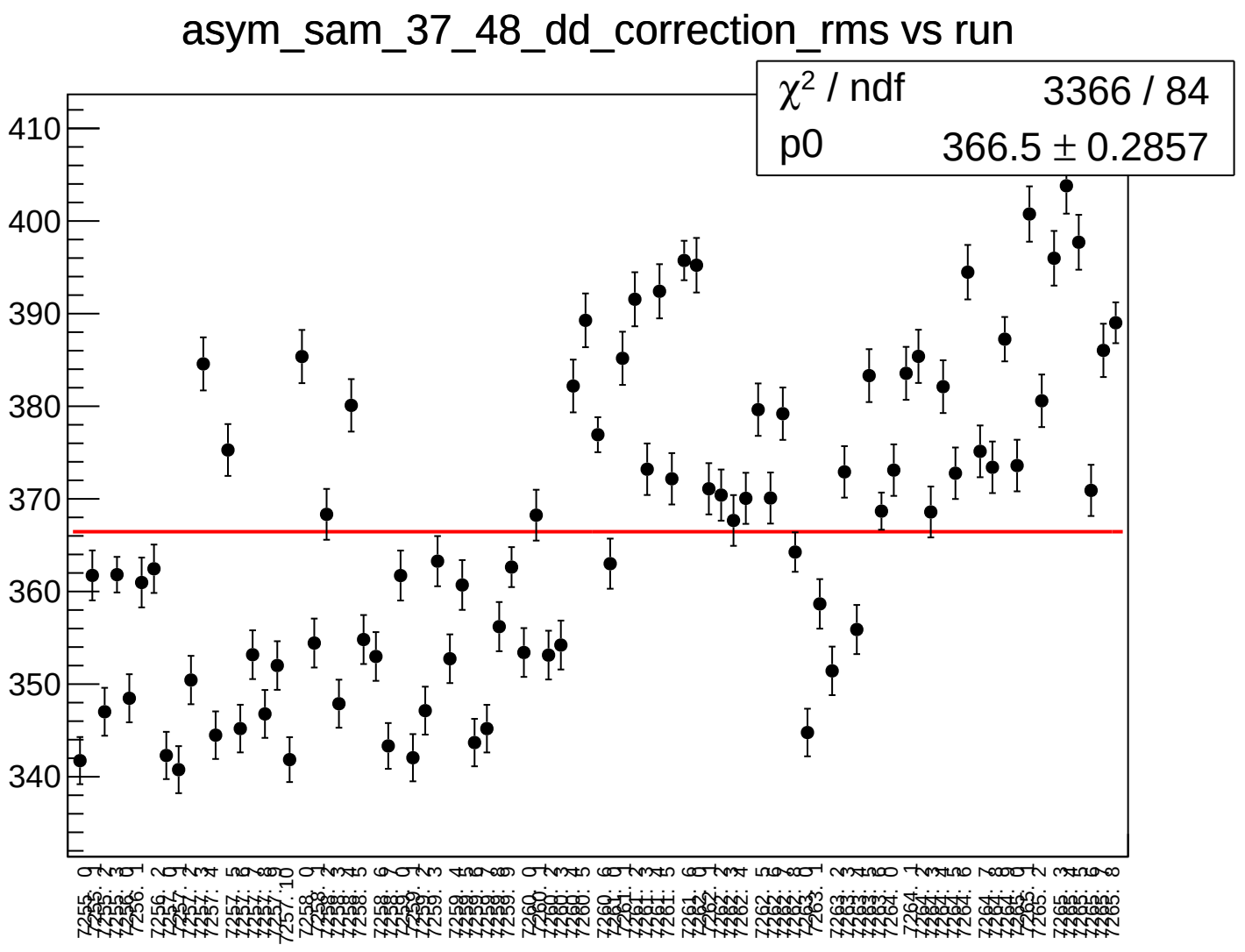

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 82.22 / 84
p0 −138.2 ± 76.67
pull
Entries 85
Mean 193.1
Std Dev 153.9

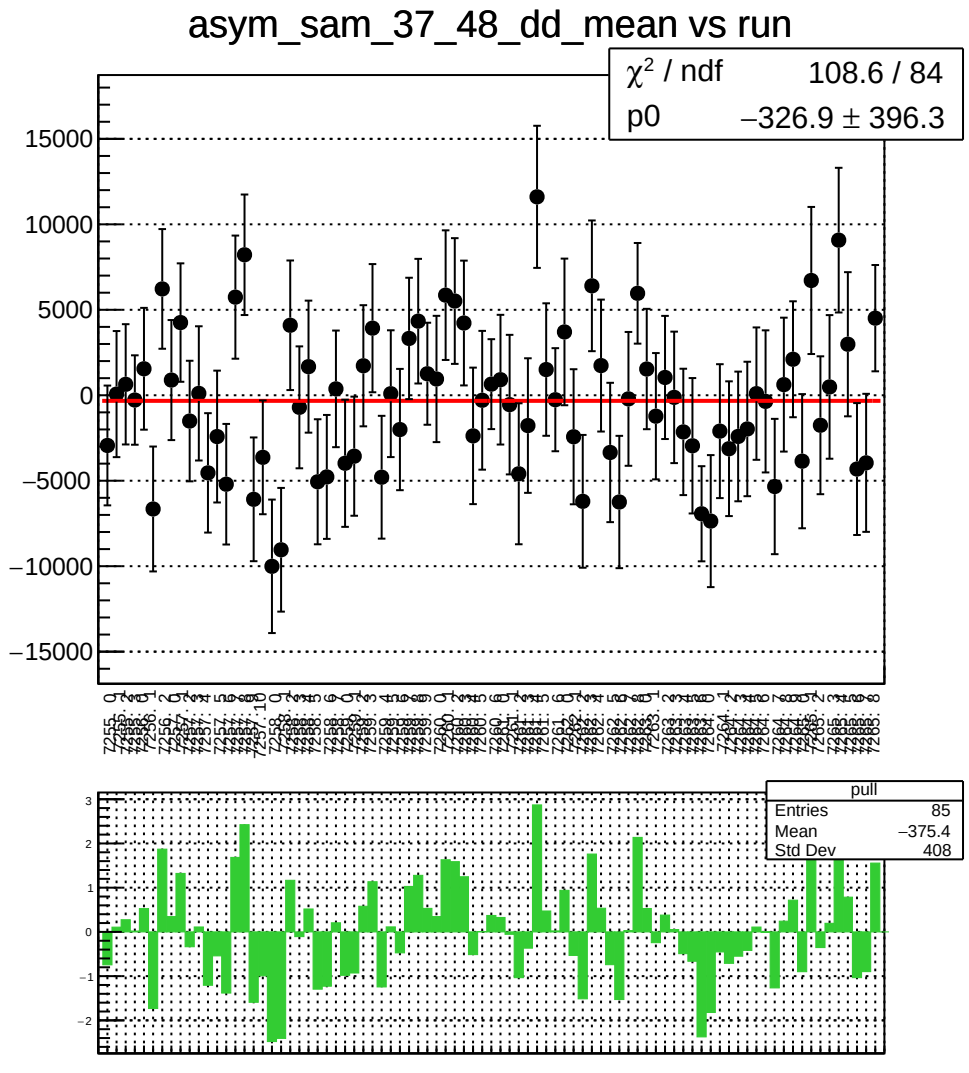

pull1D
Entries 85
Mean 0.01973
Std Dev 0.9833

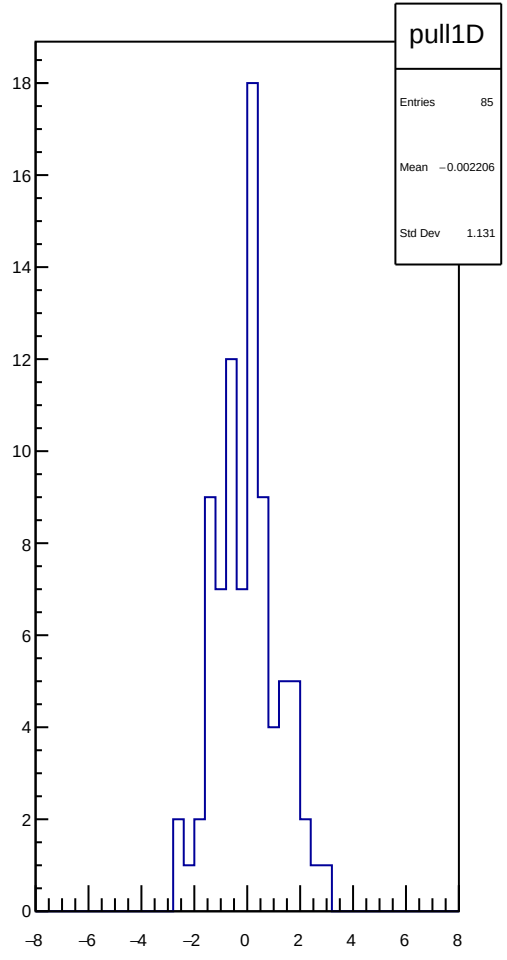

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 2.983e+04 / 84
p0 68.98 ± 0.05421
110
100
90
80
70
60

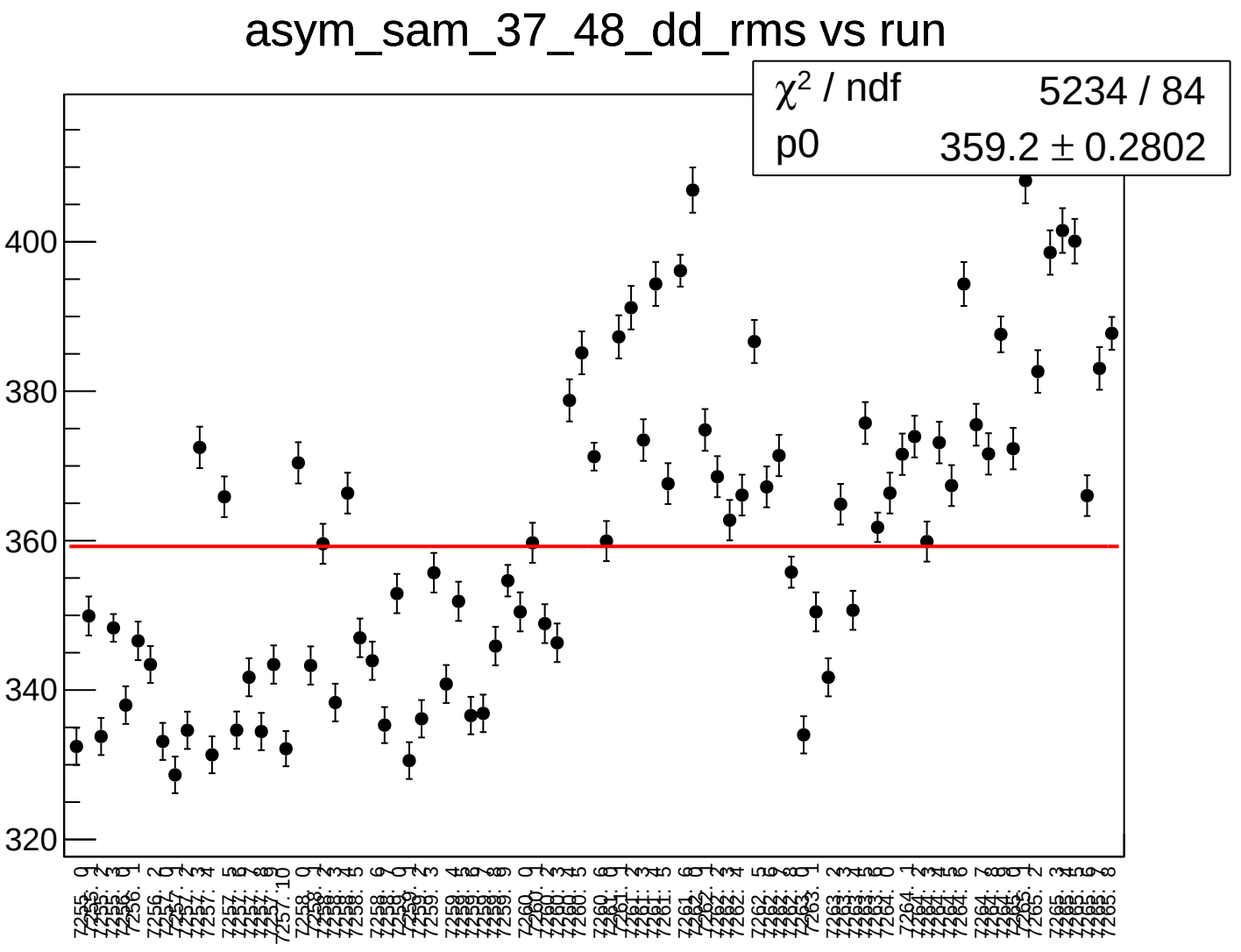

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 107.5 / 84
p0 196.3 ± 404
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −30.7
Std Dev 55.33
2
1
0
−1
−2

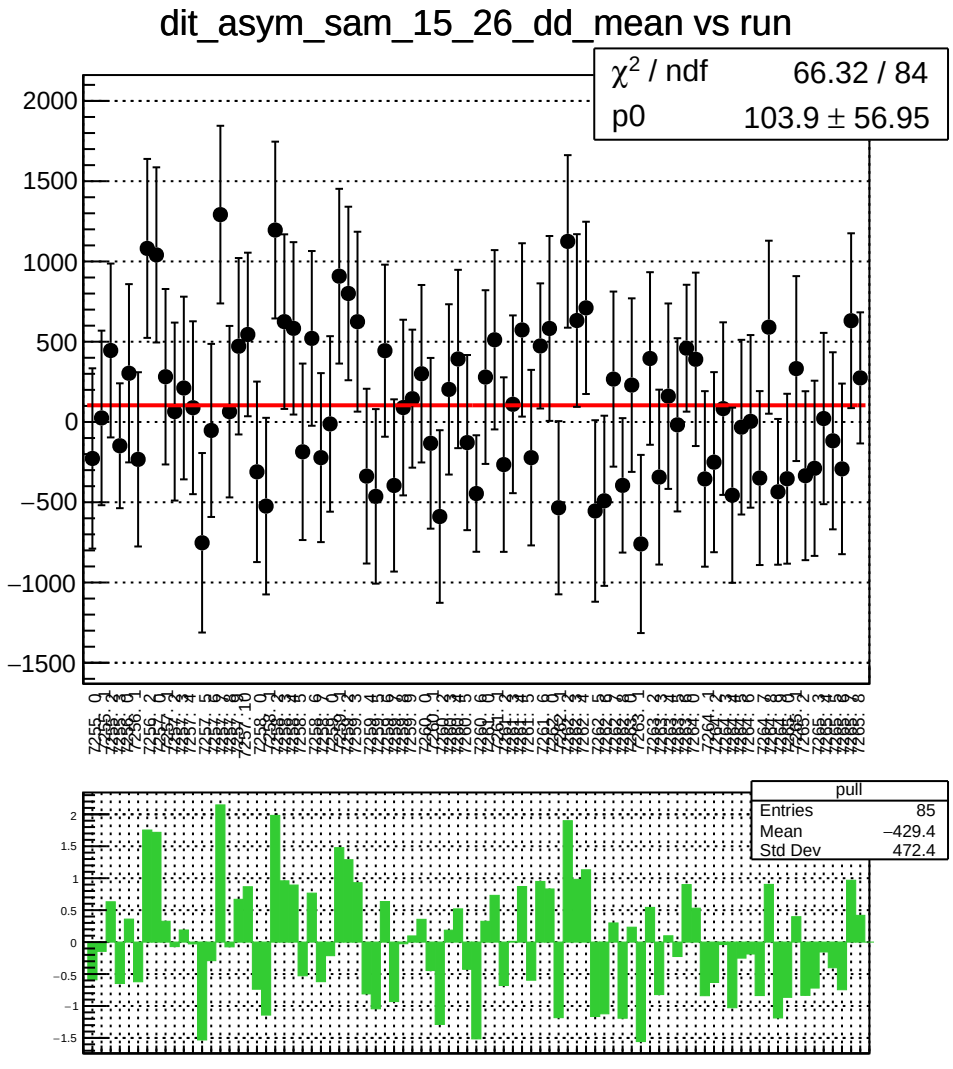

pull1D
Entries 85
Mean 0.005282
Std Dev 1.125
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

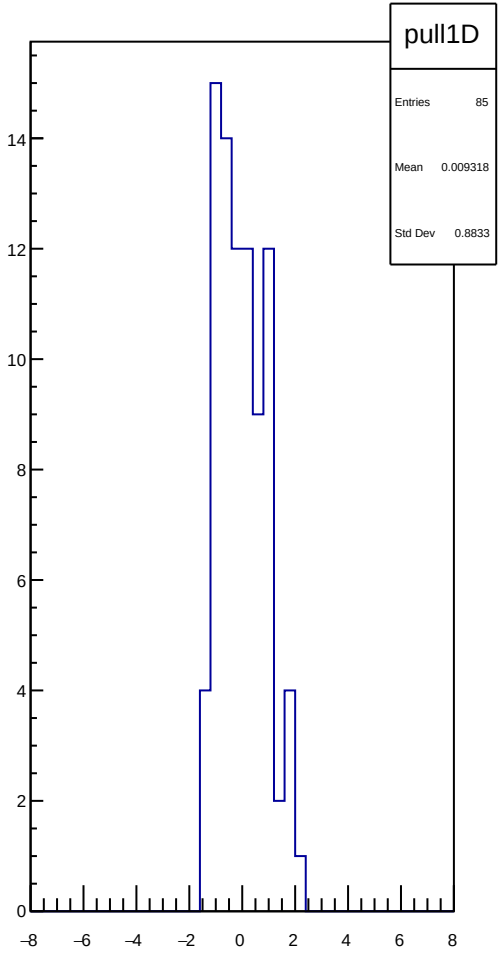

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3366 / 84
p0 366.5 ± 0.2857
410
400
390
380
370
360
350
340

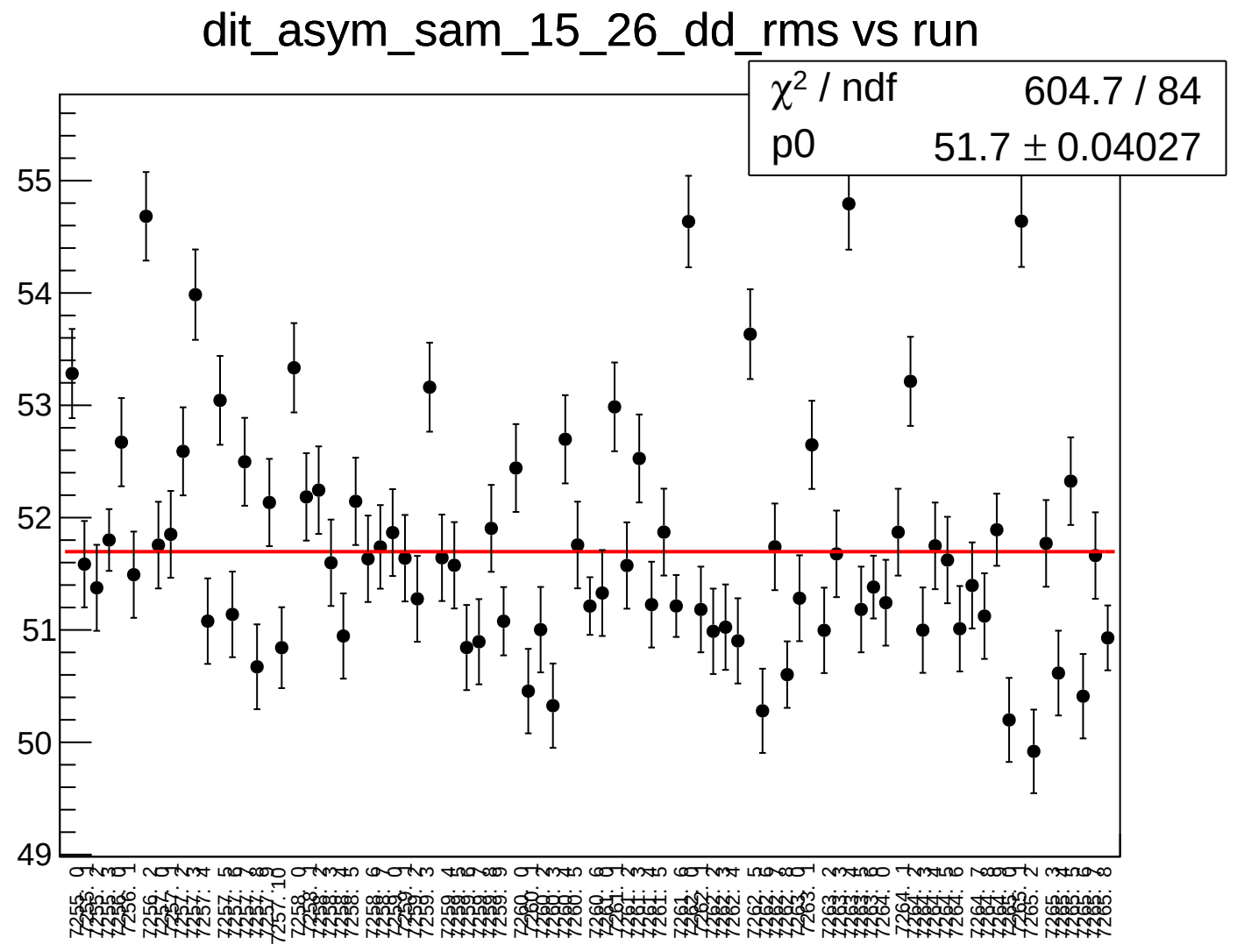

asym_sam_37_48_dd_mean vs run
χ² / ndf 108.6 / 84
p0 −326.9 ± 396.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −375.4
Std Dev 408
3
2
1
0
−1
−2

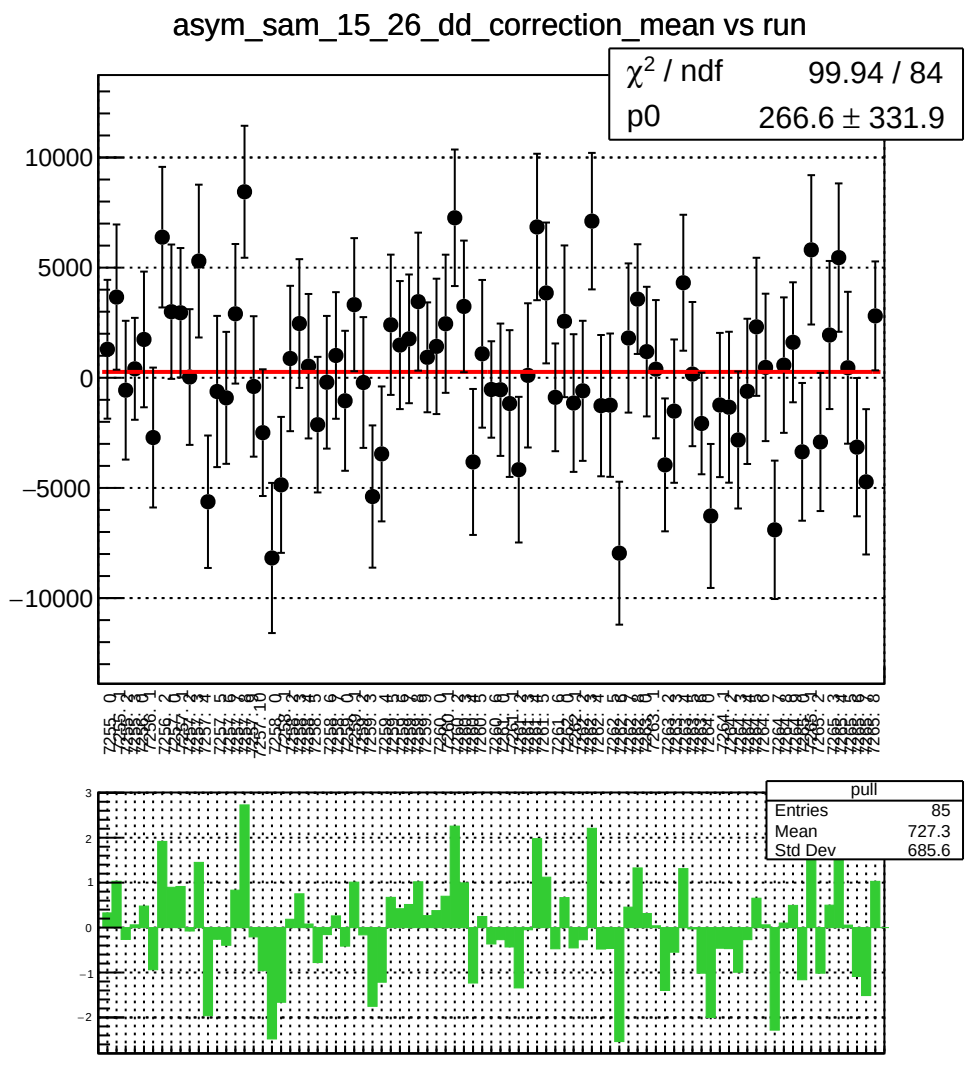

pull1D
Entries 85
Mean −0.002206
Std Dev 1.131
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

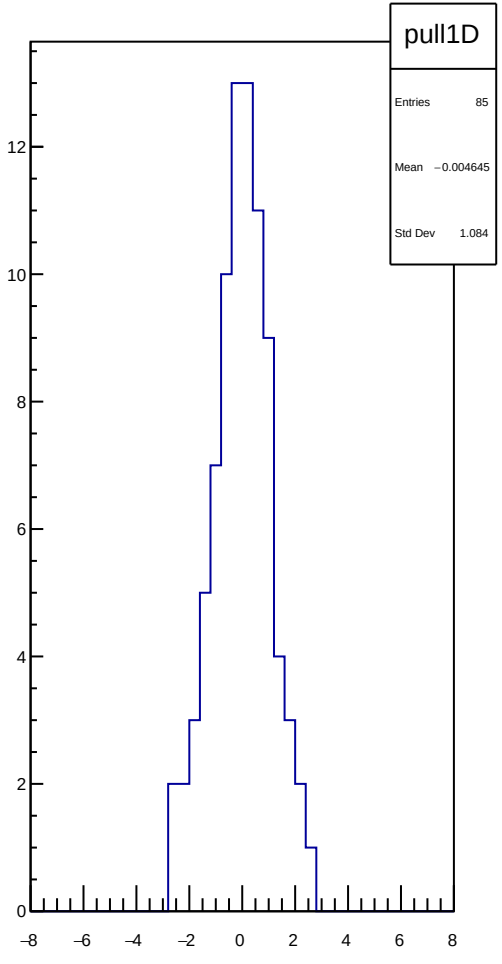

asym_sam_37_48_dd_rms vs run
χ² / ndf 5234 / 84
p0 359.2 ± 0.2802
400
380
360
340
320

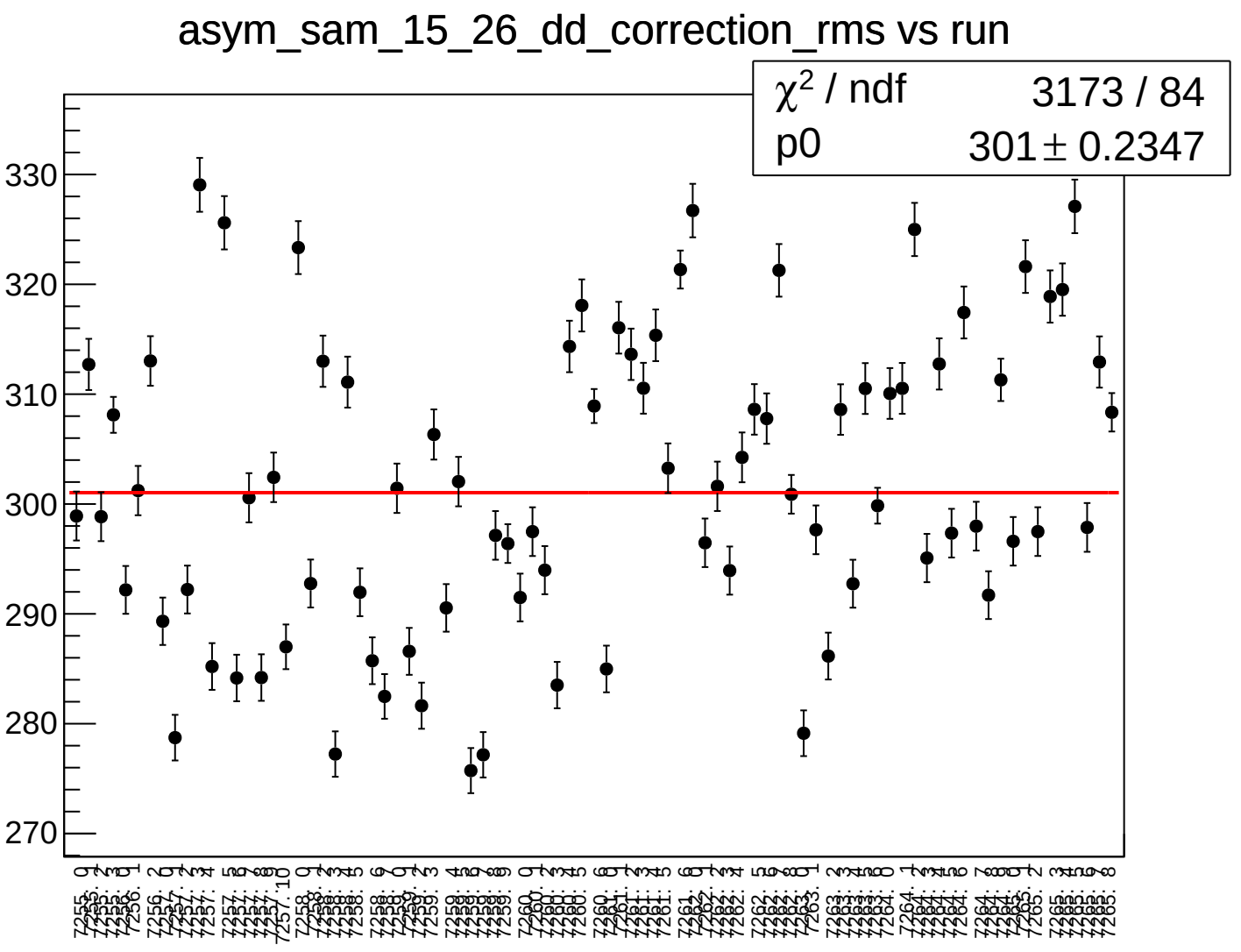

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 66.32 / 84
p0 103.9 ± 56.95
pull
Entries 85
Mean −429.4
Std Dev 472.4

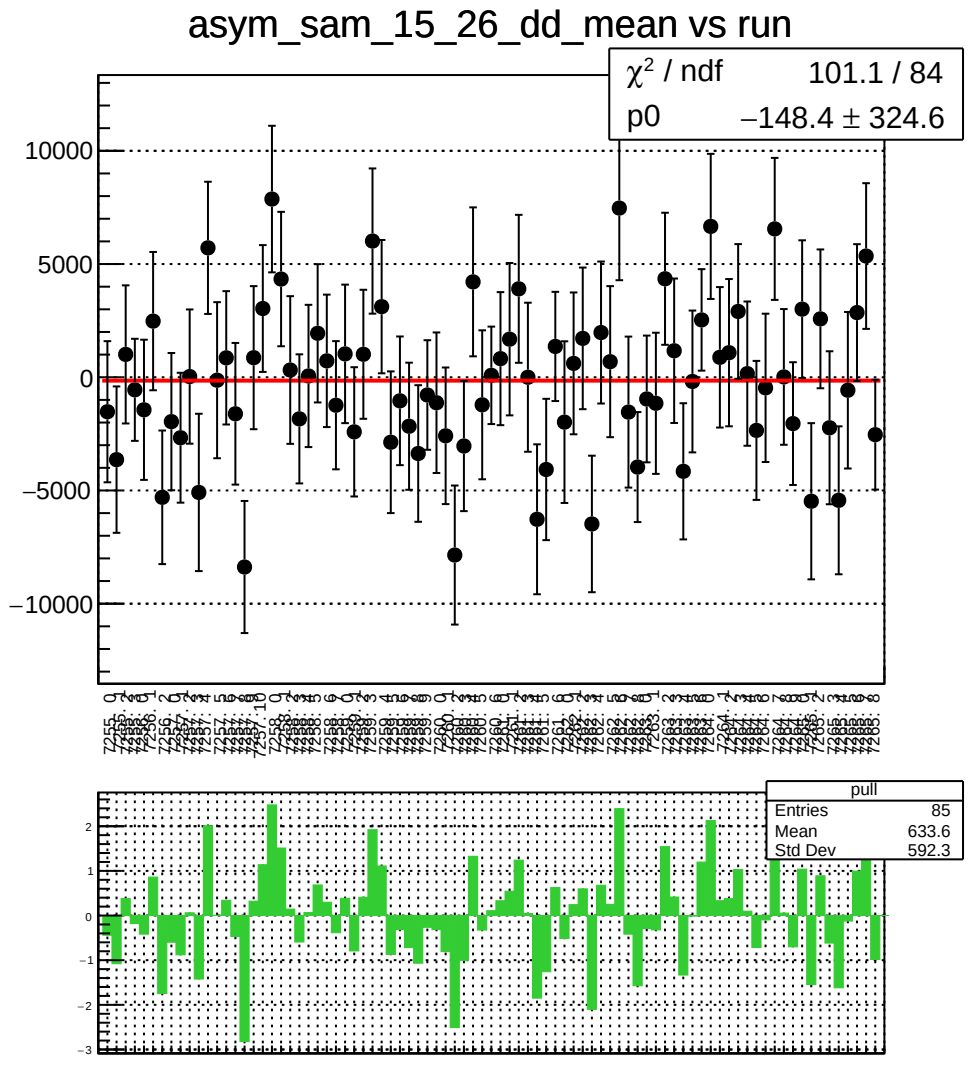

pull1D
Entries 85
Mean 0.009318
Std Dev 0.8833

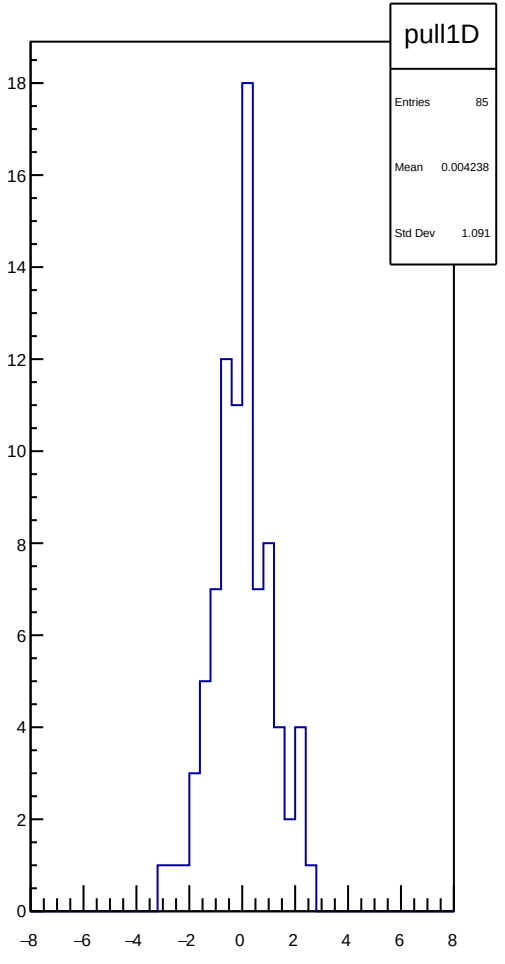

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 604.7 / 84
p0 51.7 ± 0.04027
55
54
53
52
51
50
49

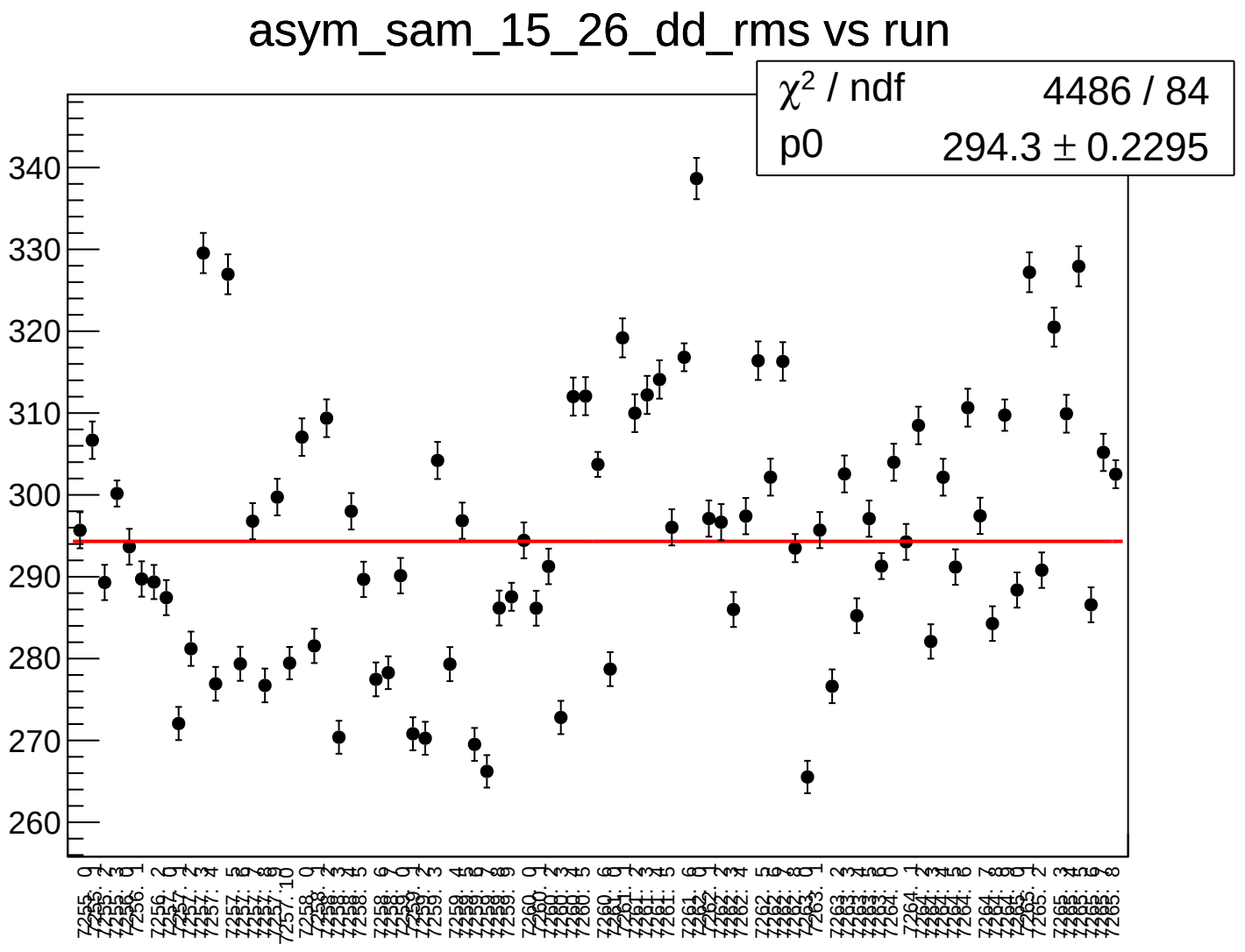

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 99.94 / 84
p0 266.6 ± 331.9
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 727.3
Std Dev 685.6
3
2
1
0
−1
−2

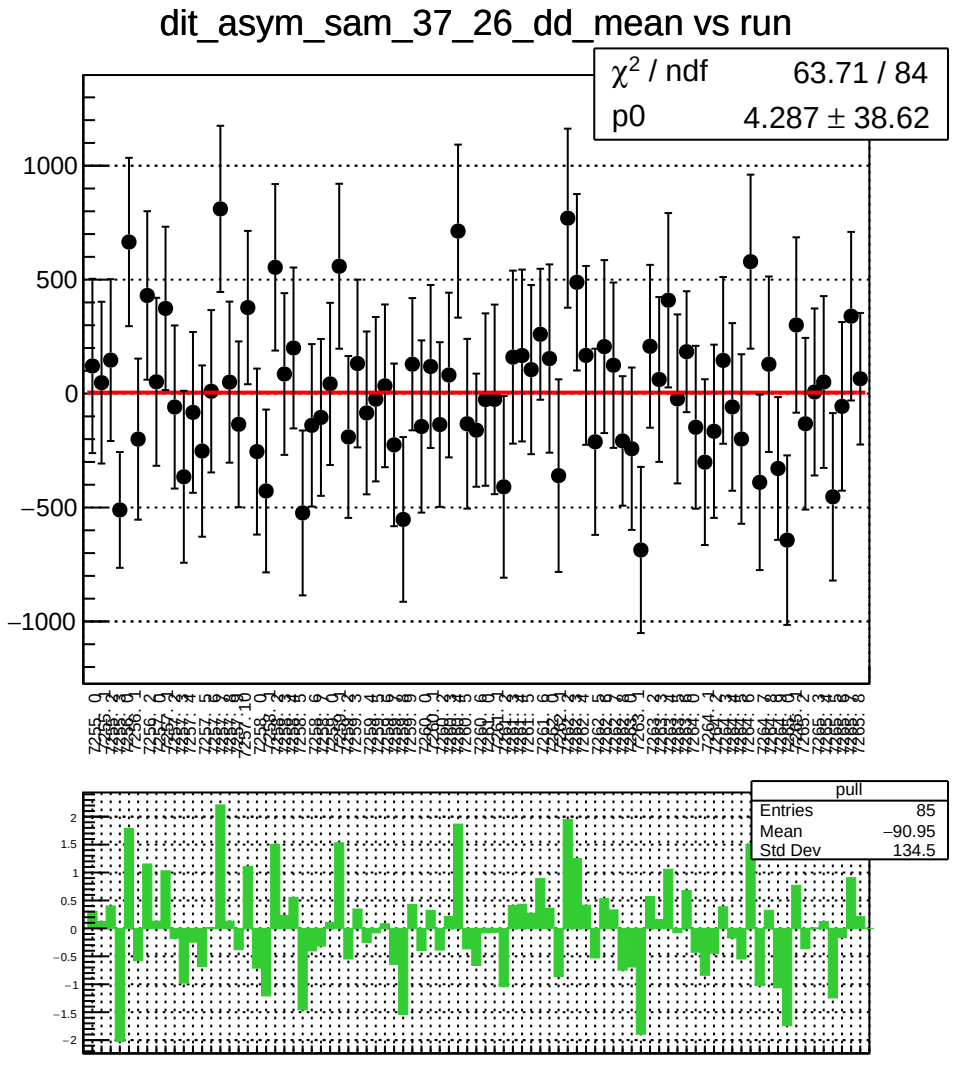

pull1D
Entries 85
Mean −0.004645
Std Dev 1.084
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

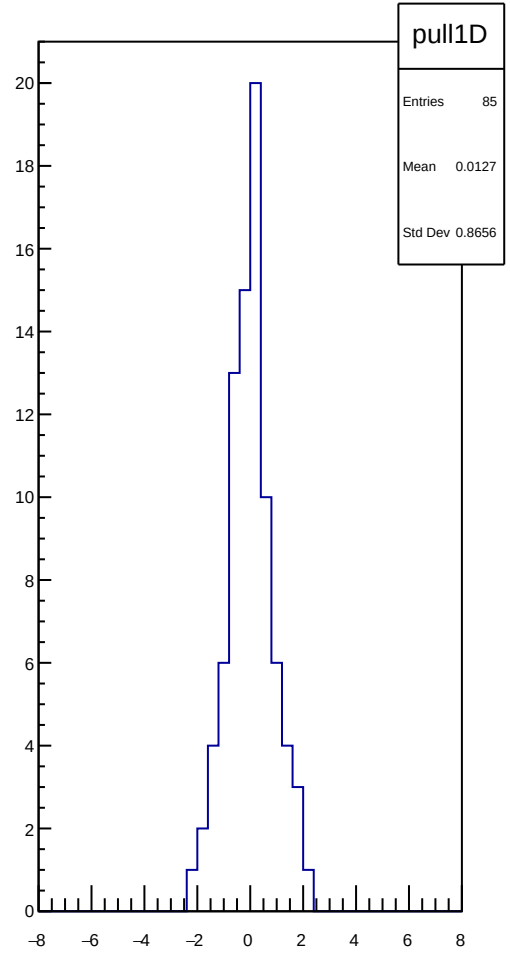

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 3173 / 84
p0 301 ± 0.2347
330
320
310
300
290
280
270

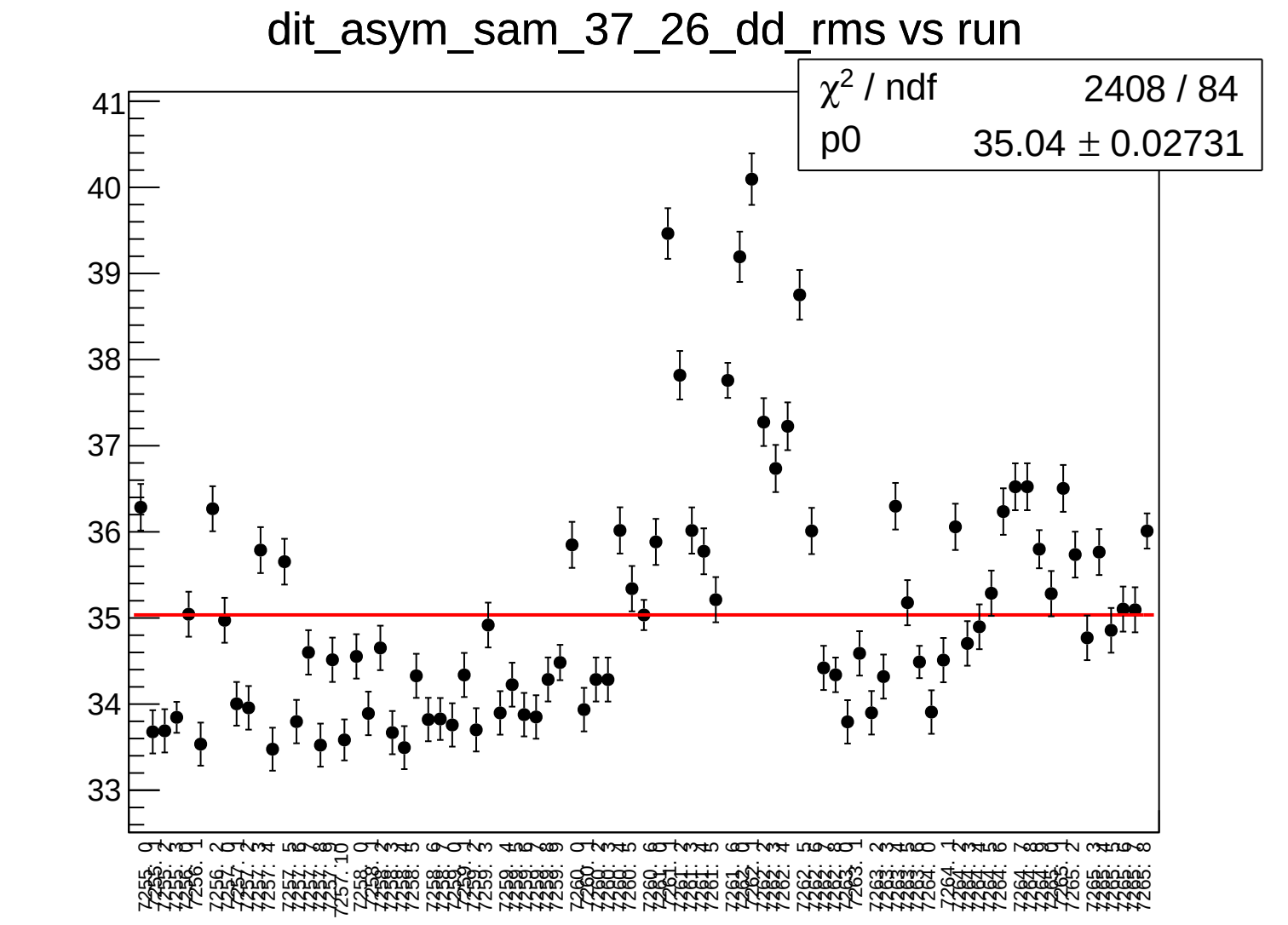

asym_sam_15_26_dd_mean vs run
χ² / ndf 101.1 / 84
p0 −148.4 ± 324.6
pull
Entries 85
Mean 633.6
Std Dev 592.3

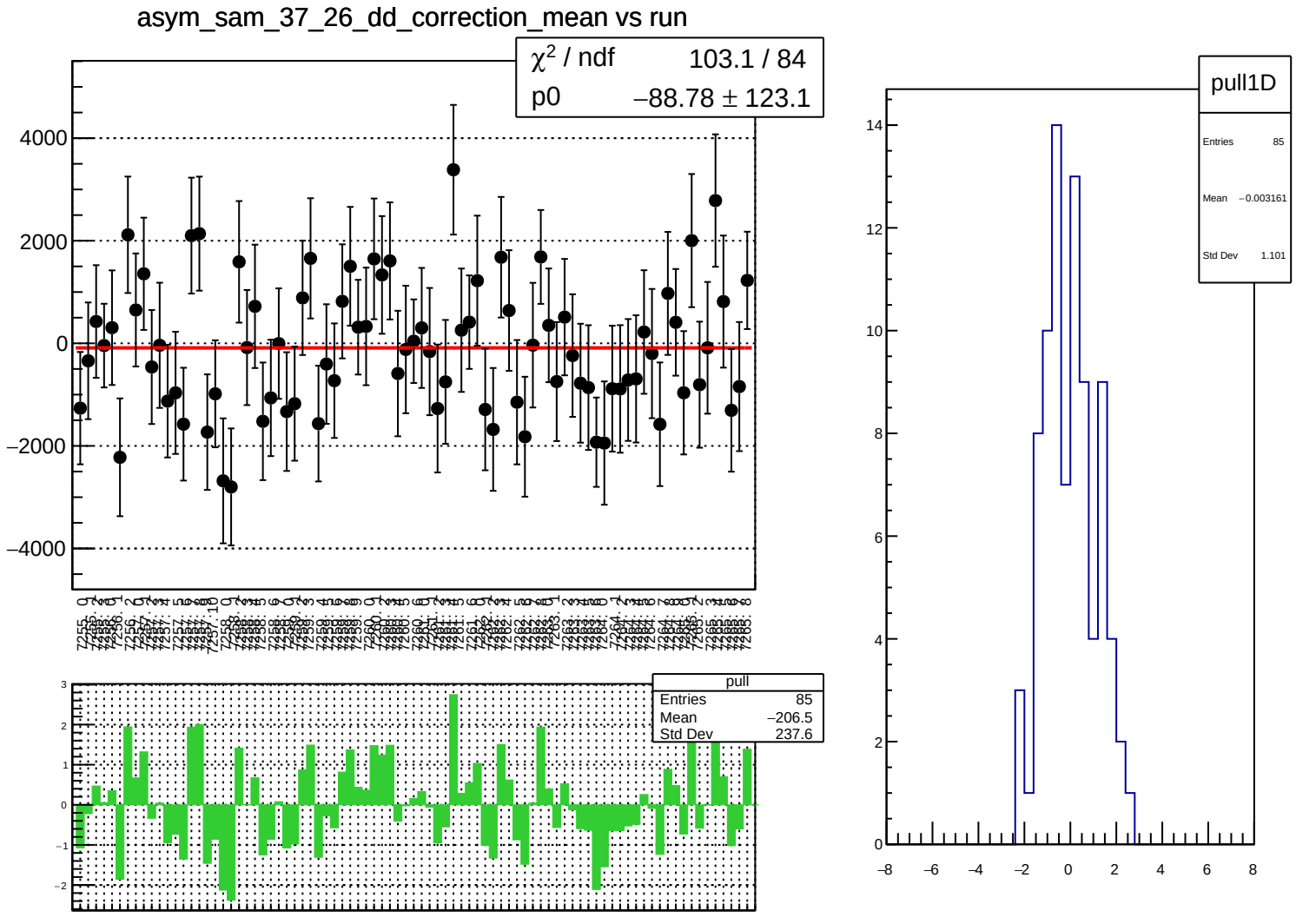

pull1D
Entries 85
Mean 0.004238
Std Dev 1.091

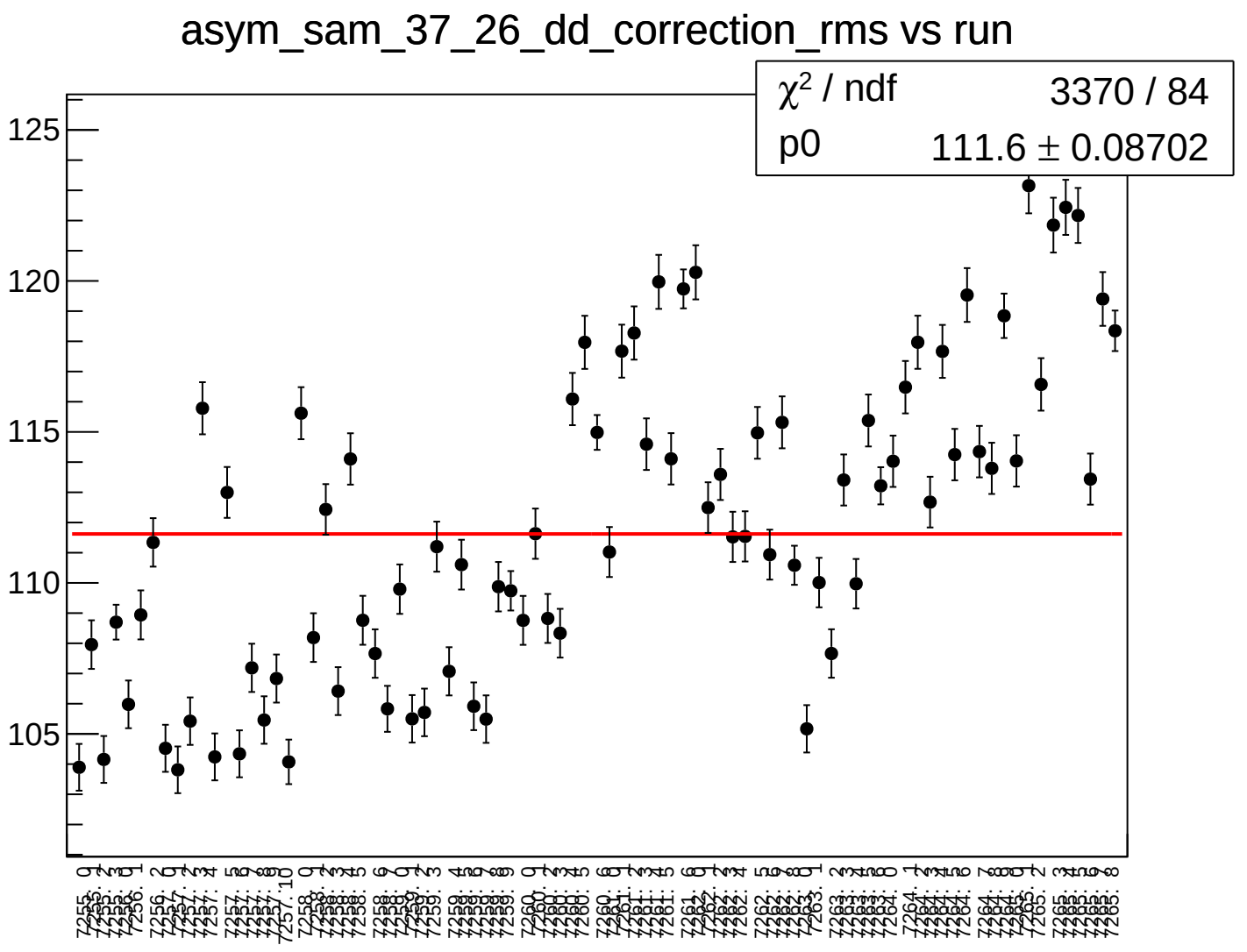

asym_sam_15_26_dd_rms vs run
χ² / ndf 4486 / 84
p0 294.3 ± 0.2295
340
330
320
310
300
290
280
270
260

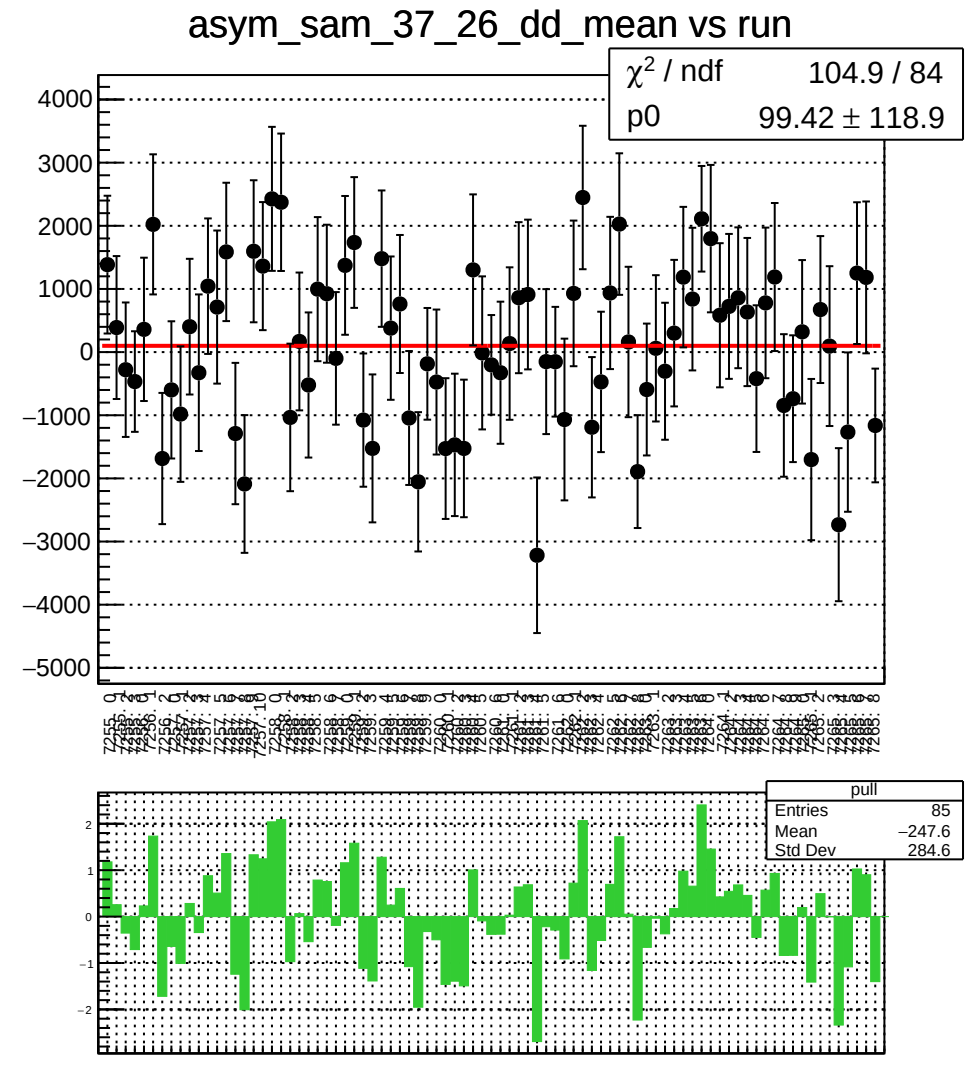

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 63.71 / 84
p0 4.287 ± 38.62
1000
500
0
−500
−1000
pull
Entries 85
Mean −90.95
Std Dev 134.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

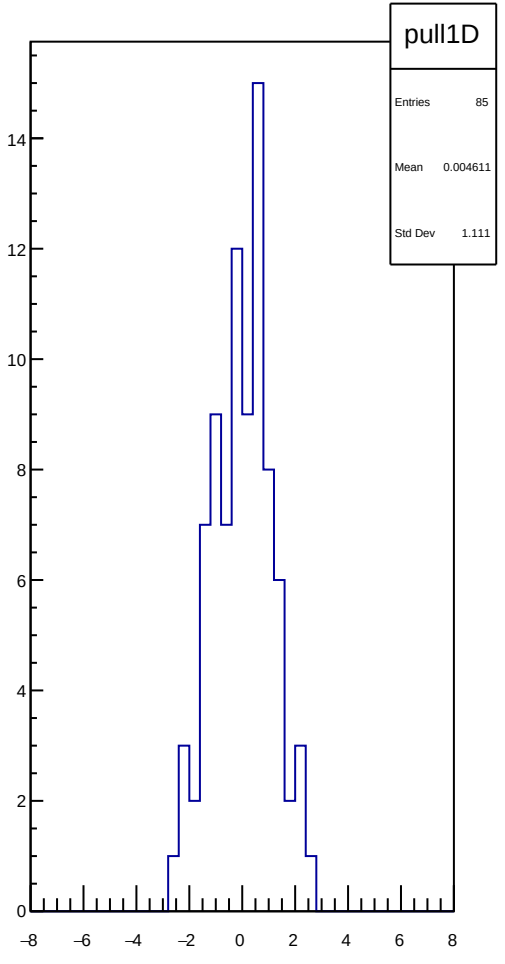

pull1D
Entries 85
Mean 0.0127
Std Dev 0.8656
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

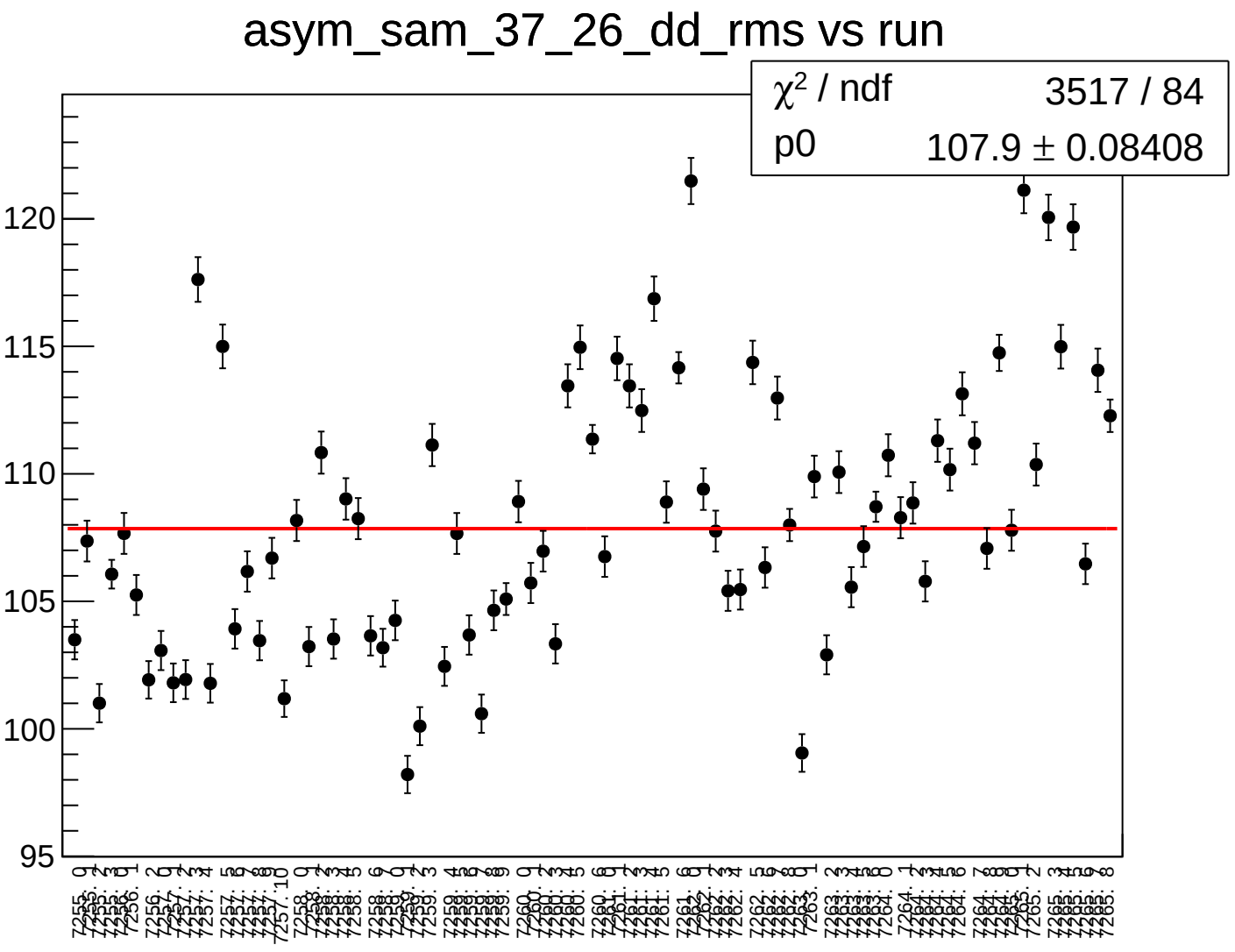

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 2408 / 84
p0 35.04 ± 0.02731
41
40
39
38
37
36
35
34
33

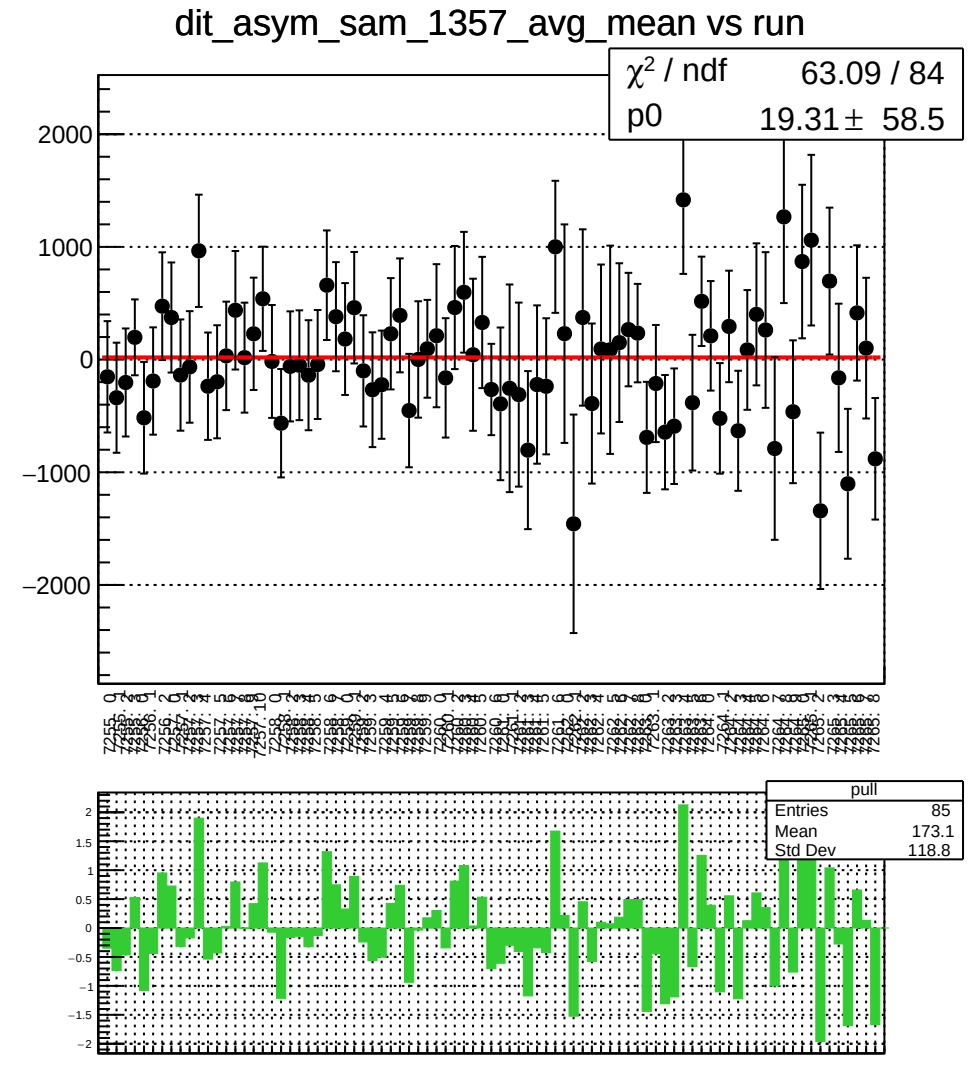

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 103.1 / 84
p0 −88.78 ± 123.1
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −206.5
Std Dev 237.6
pull1D
Entries 85
Mean −0.003161
Std Dev 1.101

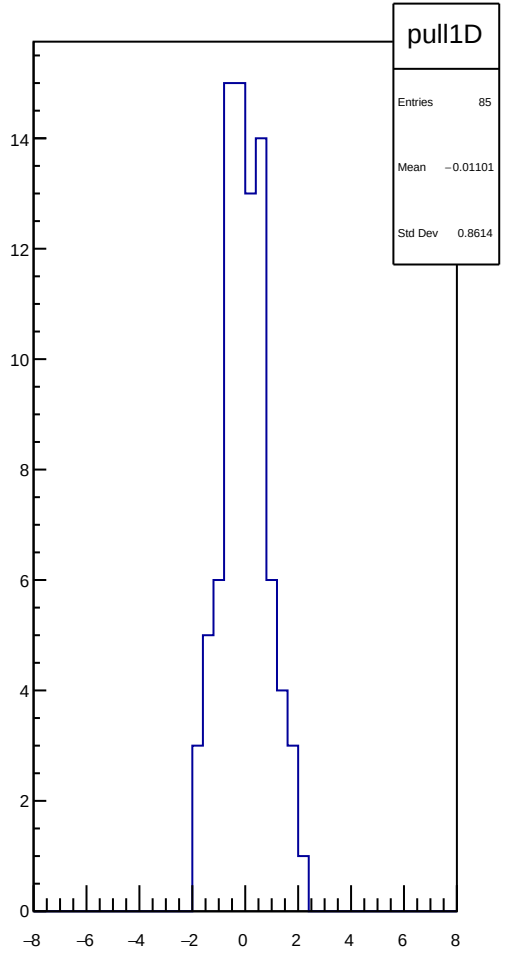

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3370 / 84
p0 111.6 ± 0.08702
125
120
115
110
105

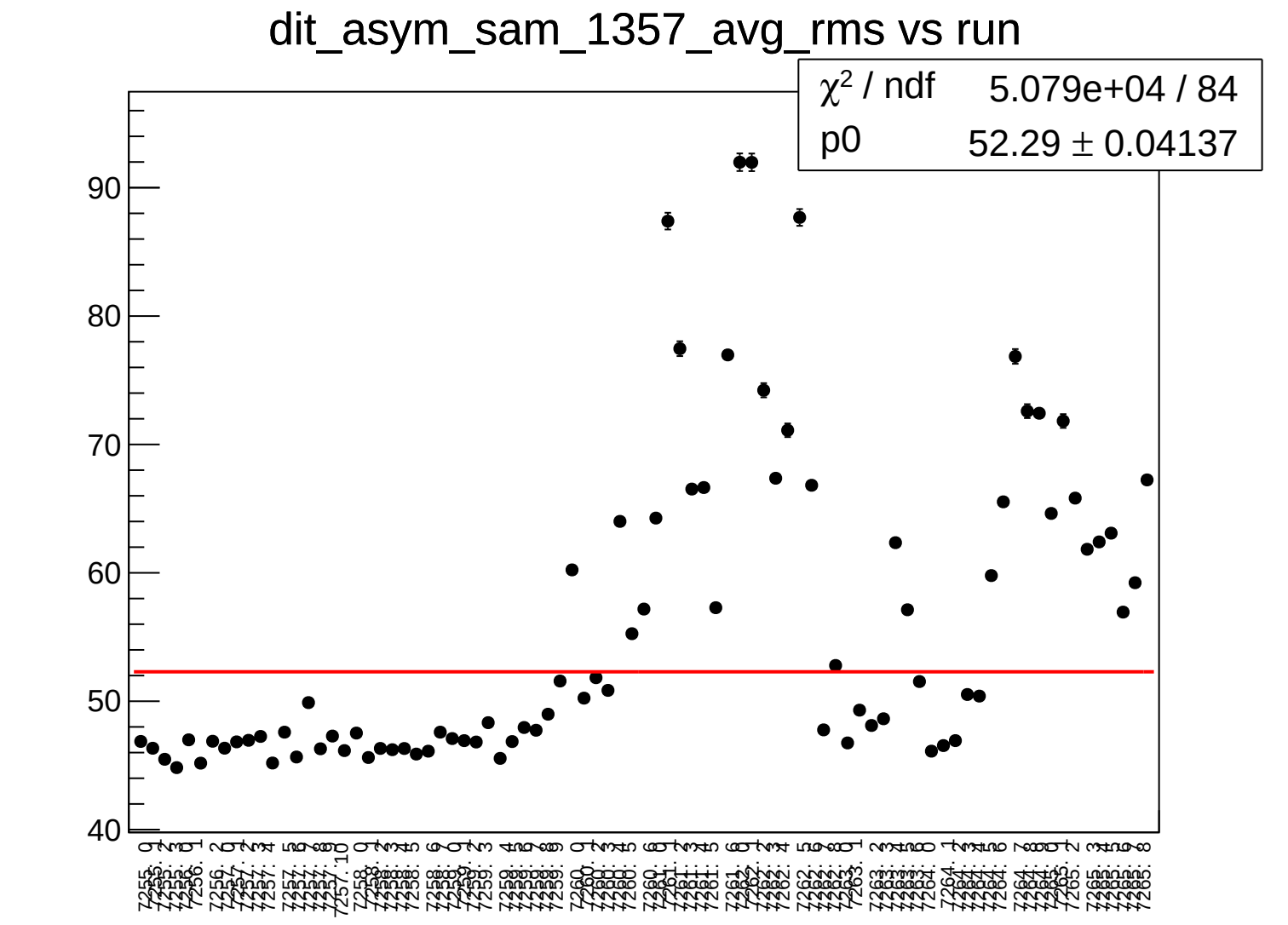

asym_sam_37_26_dd_mean vs run
χ² / ndf 104.9 / 84
p0 99.42 ± 118.9
pull
Entries 85
Mean −247.6
Std Dev 284.6

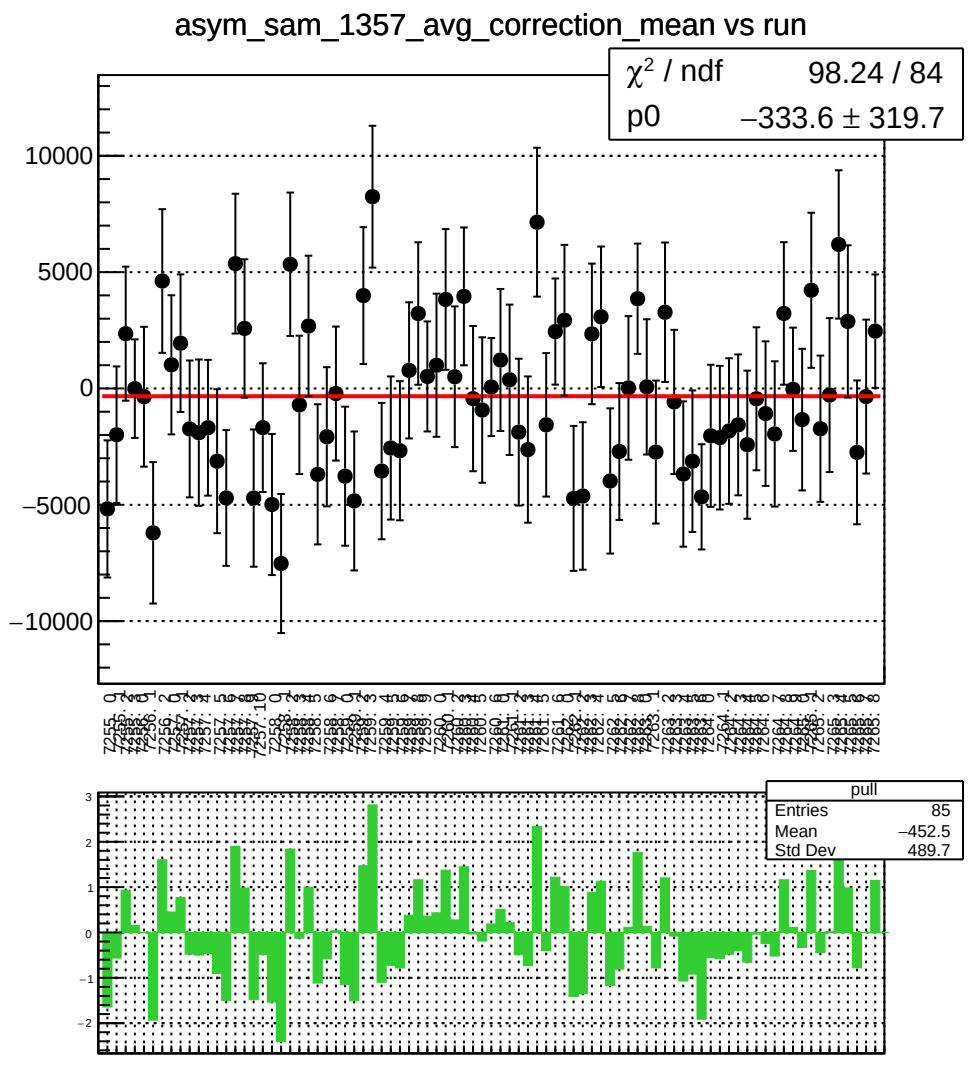

pull1D
Entries 85
Mean 0.004611
Std Dev 1.111

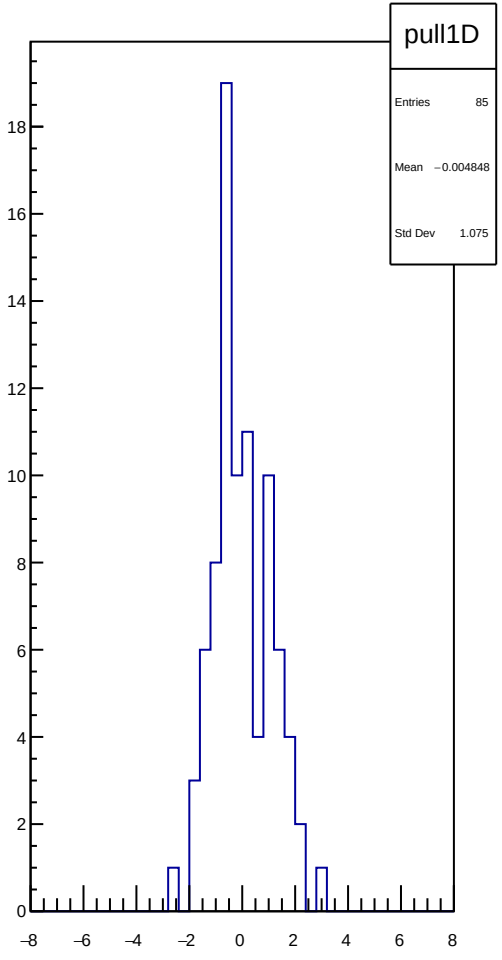

asym_sam_37_26_dd_rms vs run
χ² / ndf 3517 / 84
p0 107.9 ± 0.08408
120
115
110
105
100
95

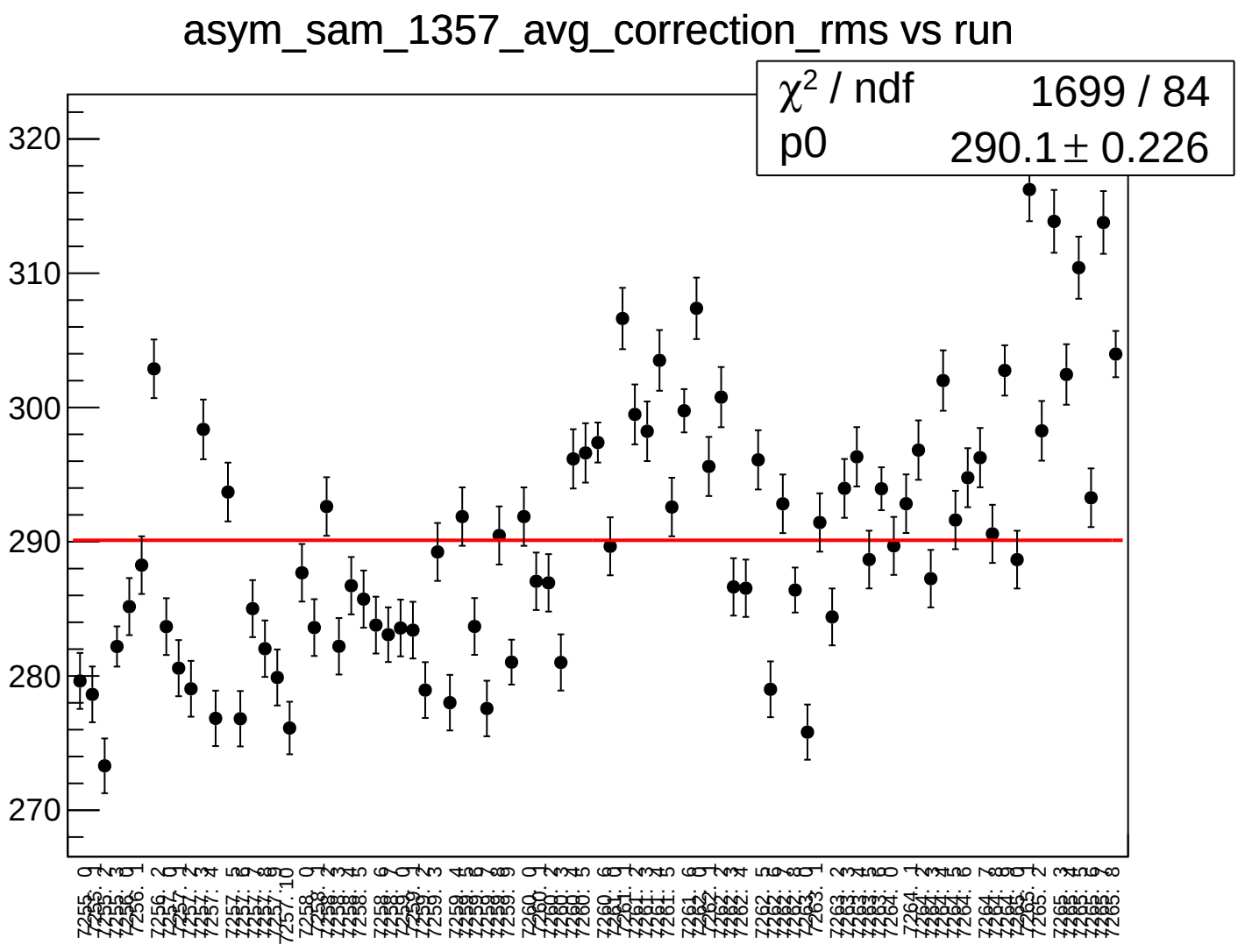

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 63.09 / 84
p0 19.31 ± 58.5
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 173.1
Std Dev 118.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

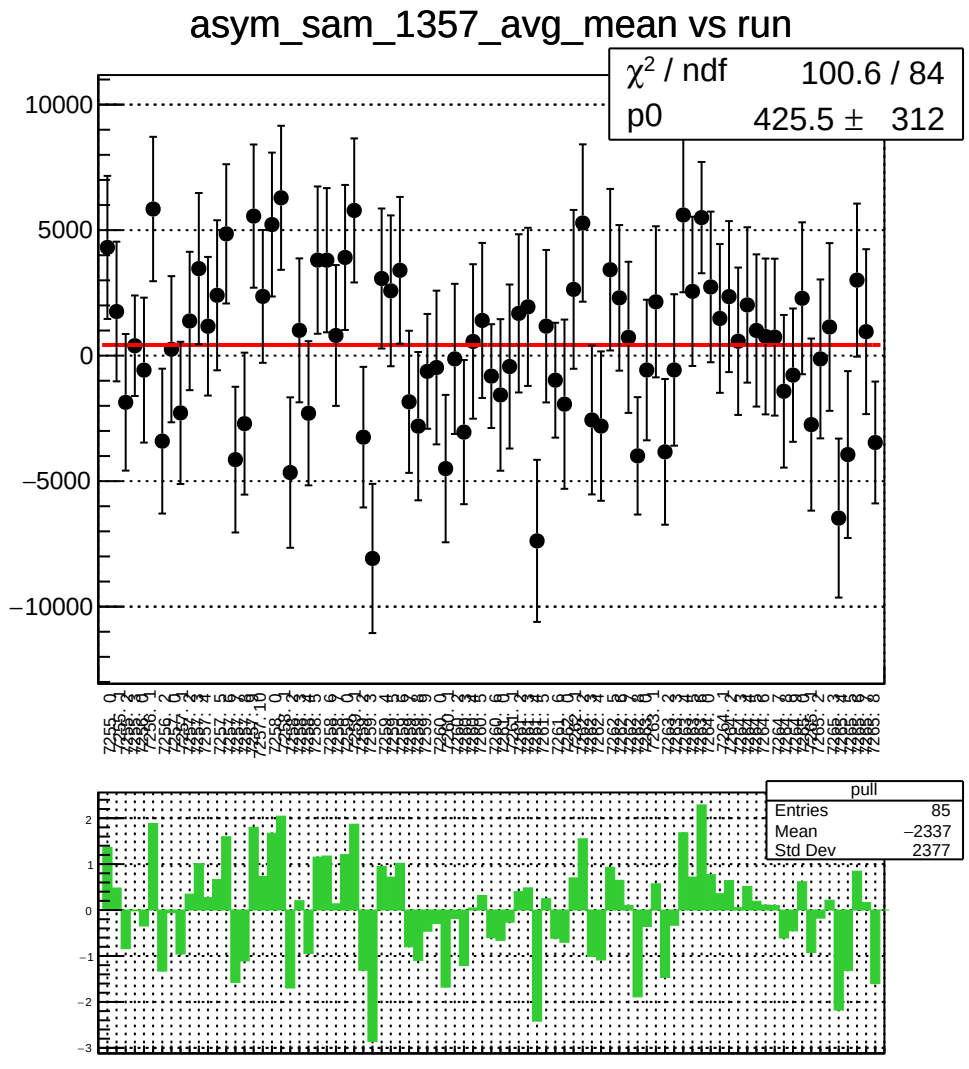

pull1D
Entries 85
Mean −0.01101
Std Dev 0.8614
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

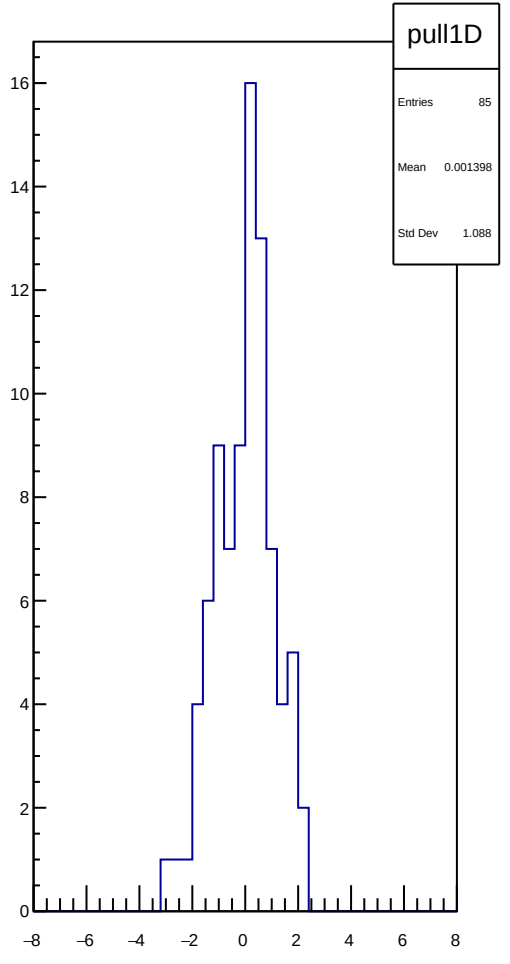

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 5.079e+04 / 84
p0 52.29 ± 0.04137
90
80
70
60
50
40

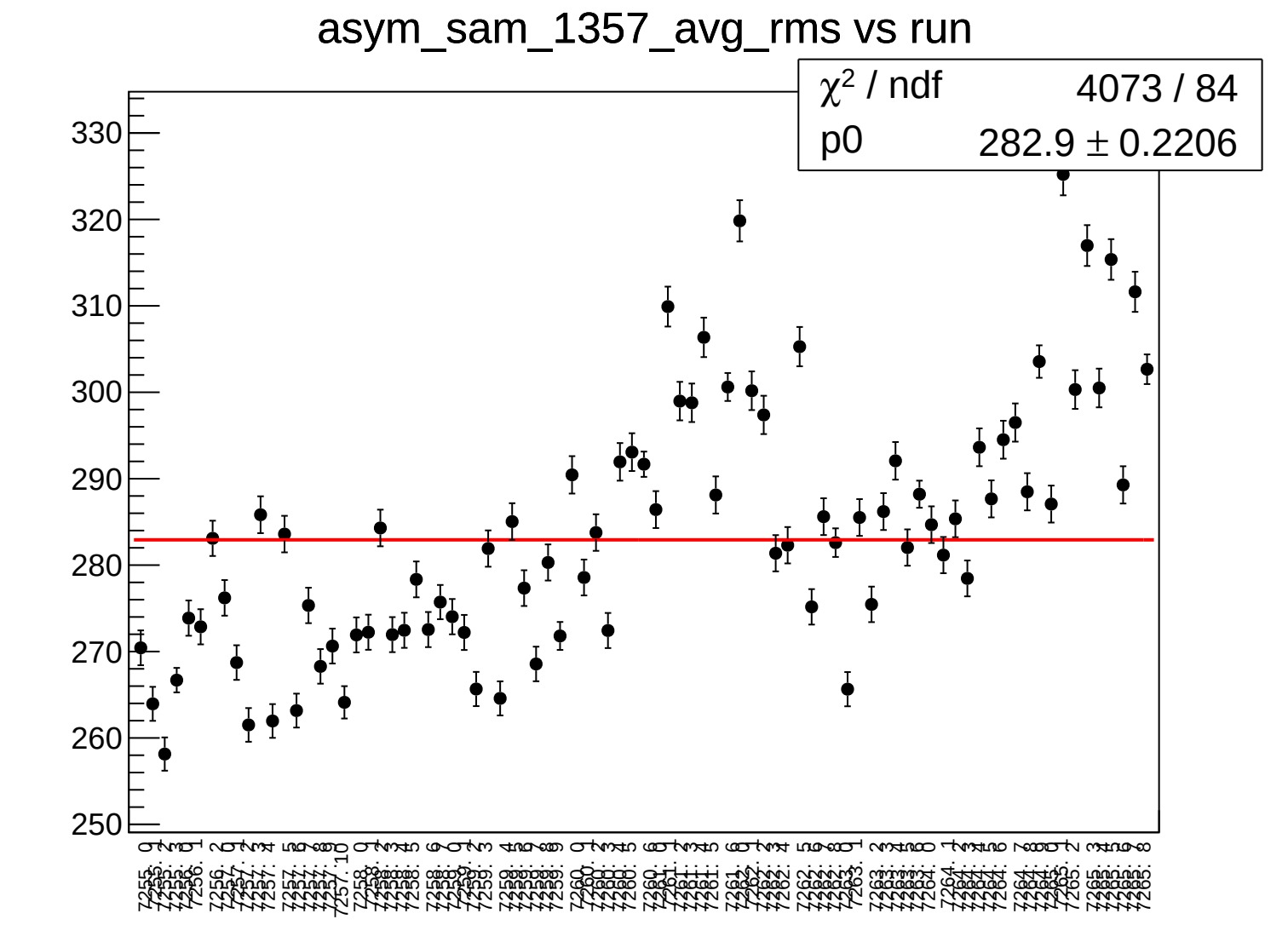

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 98.24 / 84
p0 −333.6 ± 319.7
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −452.5
Std Dev 489.7
3
2
1
0
−1
−2

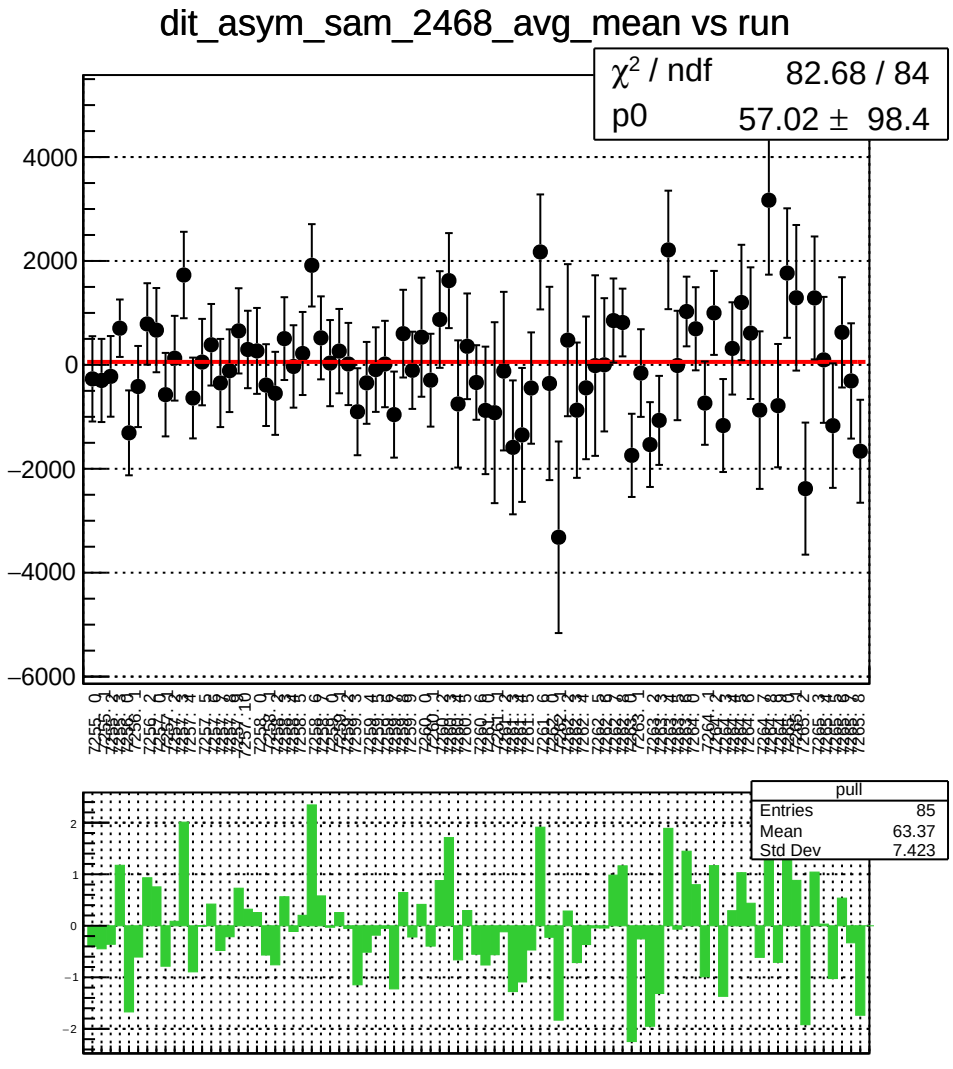

pull1D
Entries 85
Mean −0.004848
Std Dev 1.075
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

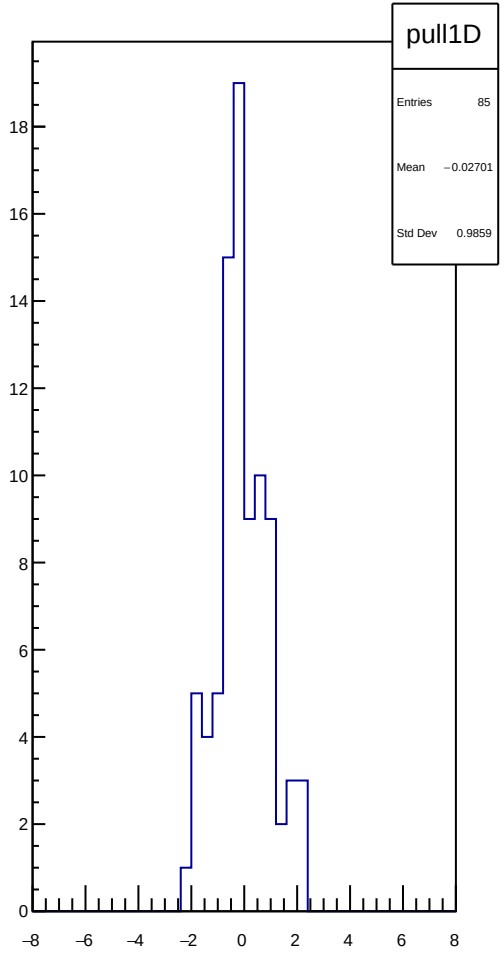

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1699 / 84
p0 290.1 ± 0.226
320
310
300
290
280
270

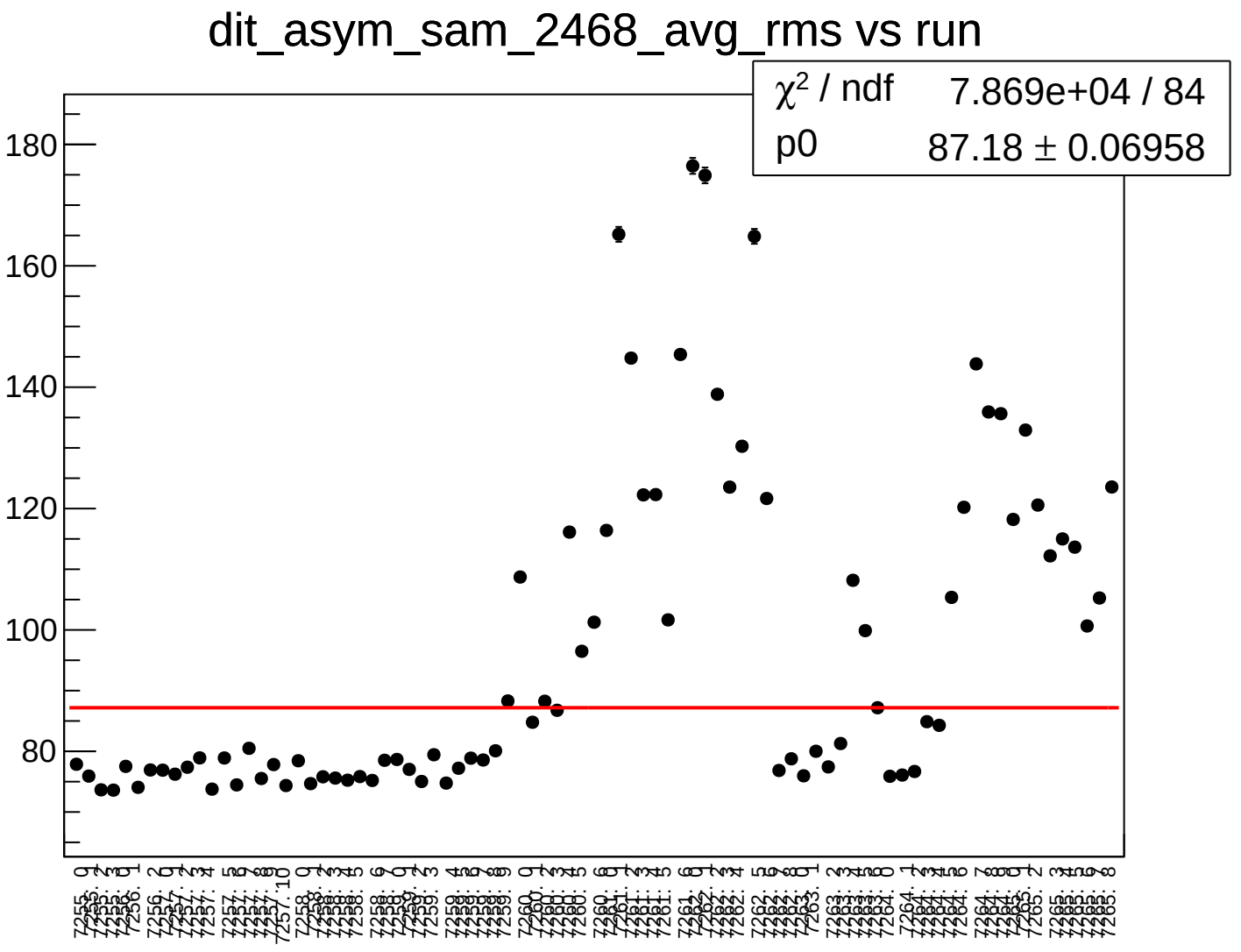

asym_sam_1357_avg_mean vs run
χ² / ndf 100.6 / 84
p0 425.5 ± 312
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −2337
Std Dev 2377
2
1
0
−1
−2
−3

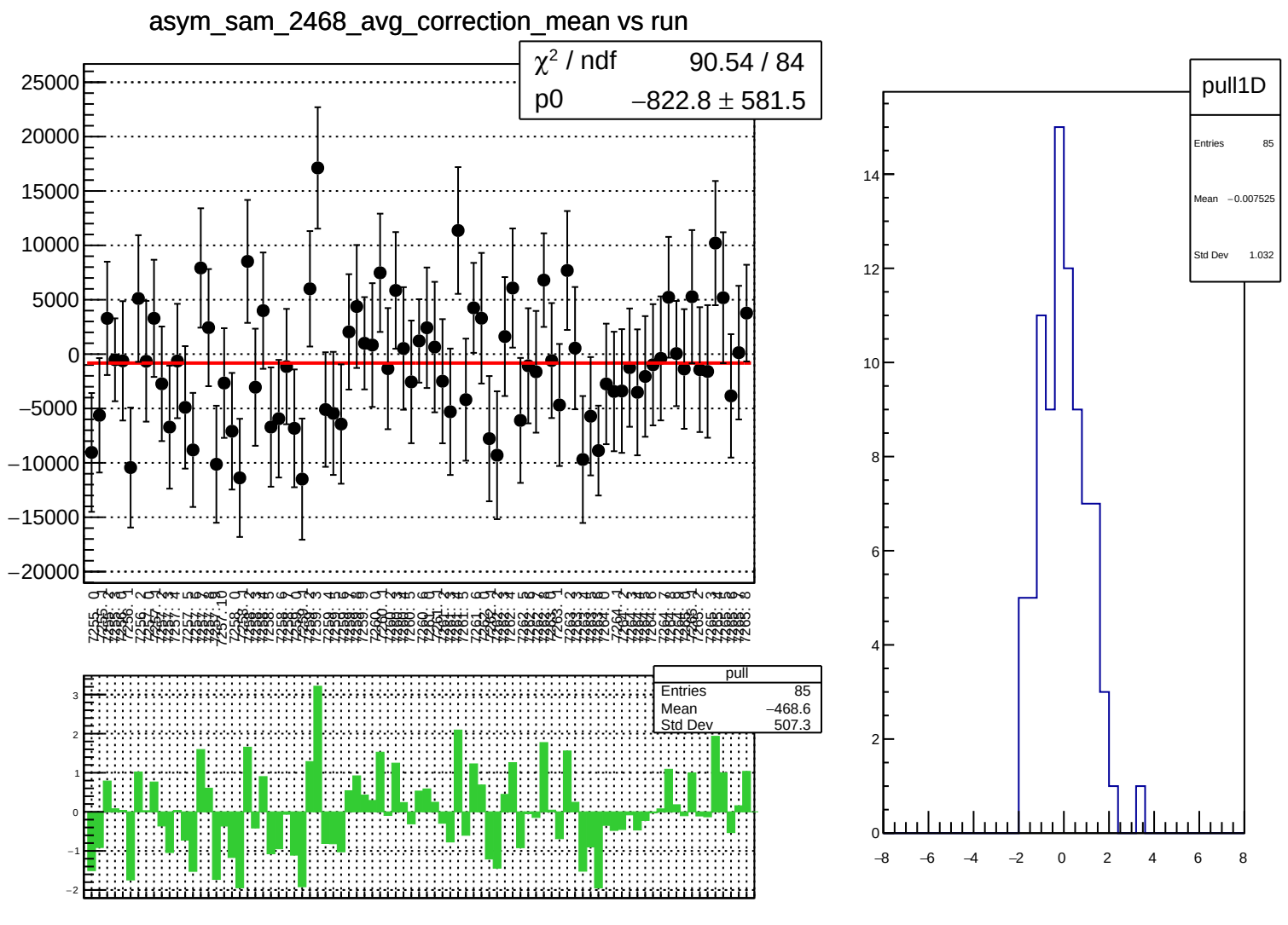

pull1D
Entries 85
Mean 0.001398
Std Dev 1.088
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

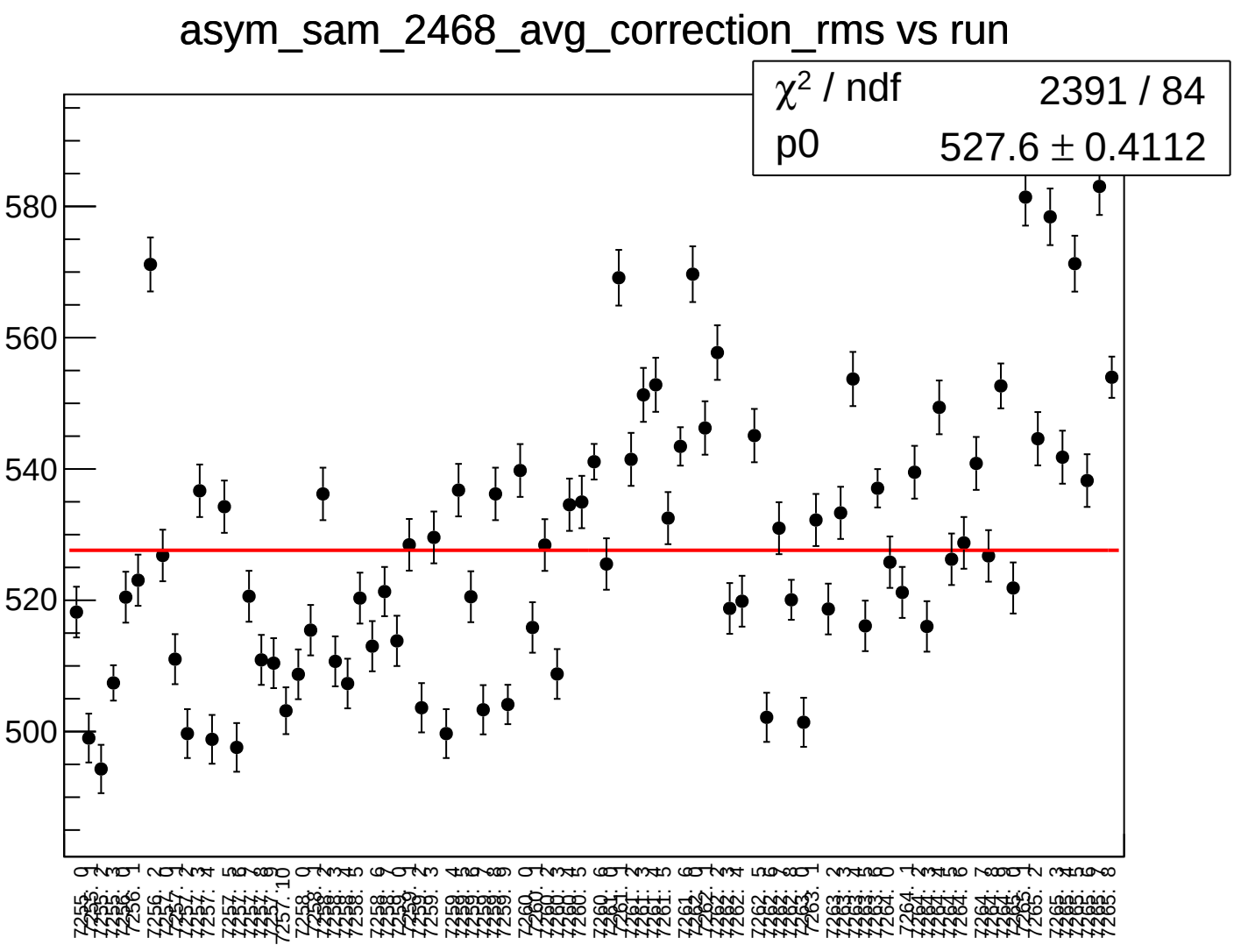

asym_sam_1357_avg_rms vs run
χ² / ndf 4073 / 84
p0 282.9 ± 0.2206
330
320
310
300
290
280
270
260
250

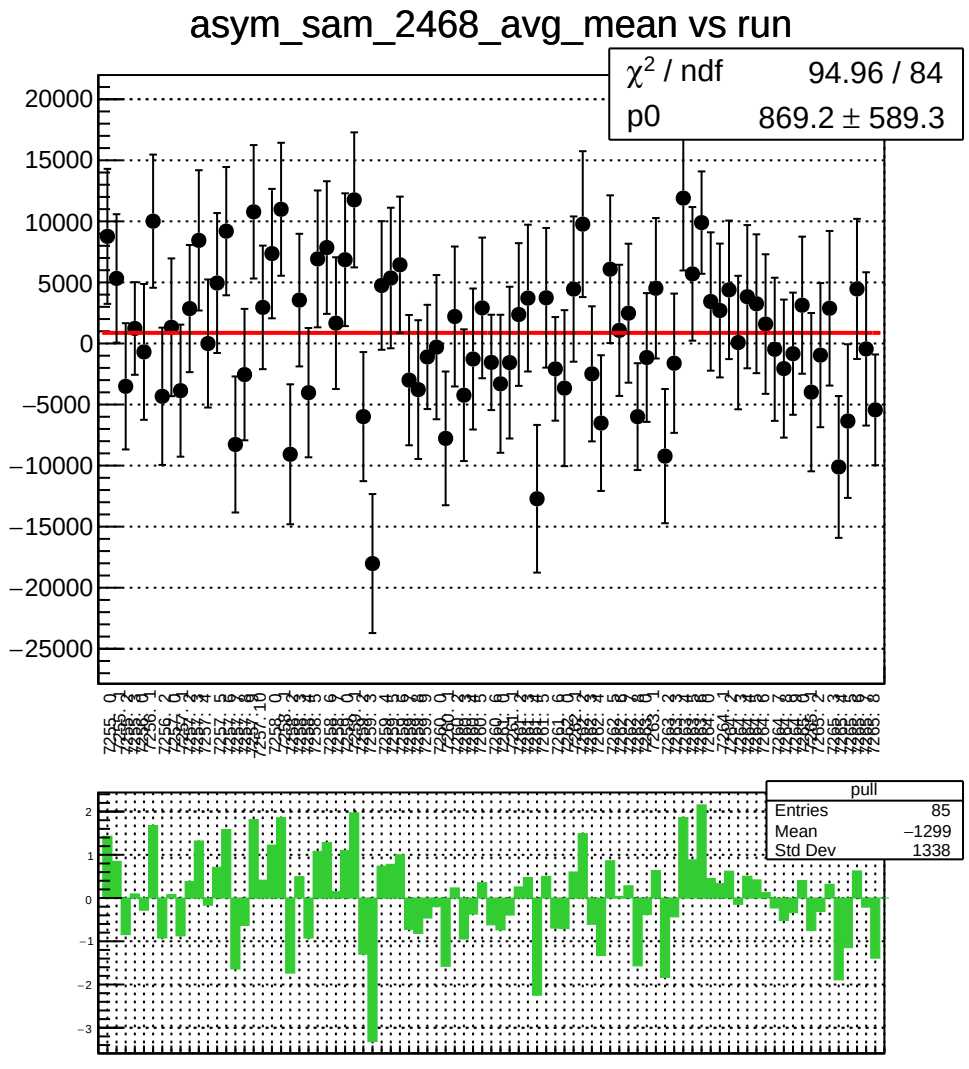

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 82.68 / 84
p0 57.02 ± 98.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 85
Mean 63.37
Std Dev 7.423
2
1
0
−1
−2

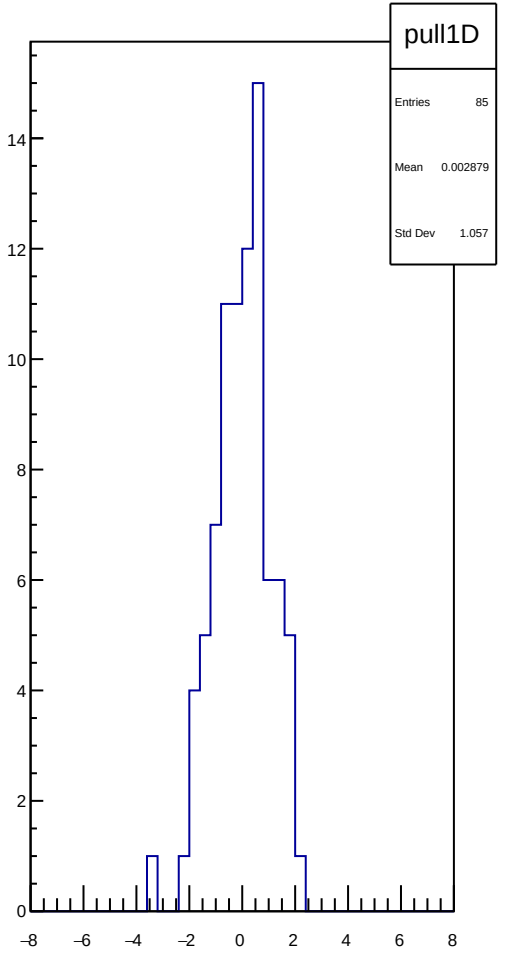

pull1D
Entries 85
Mean −0.02701
Std Dev 0.9859
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

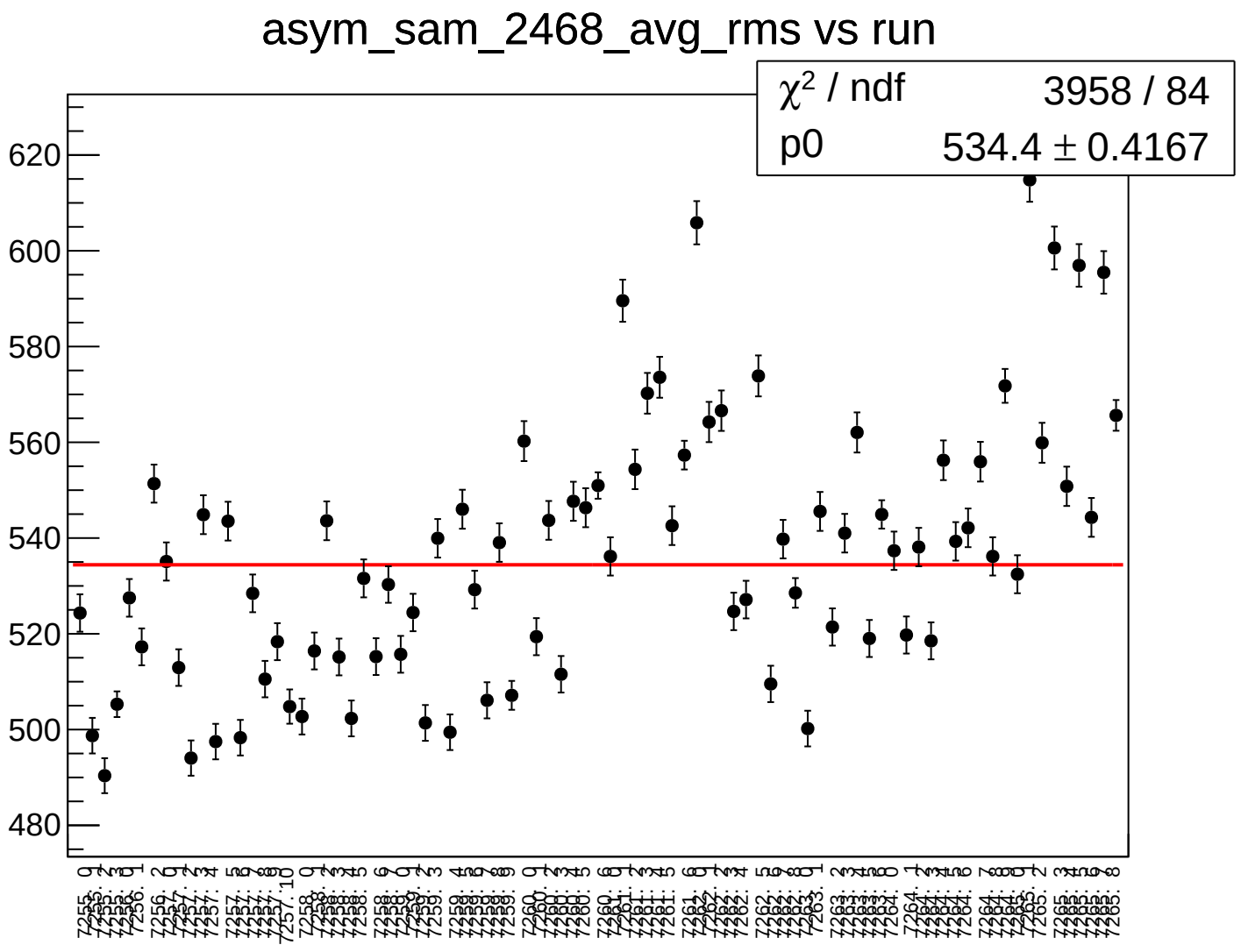

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 7.869e+04 / 84
p0 87.18 ± 0.06958
180
160
140
120
100
80

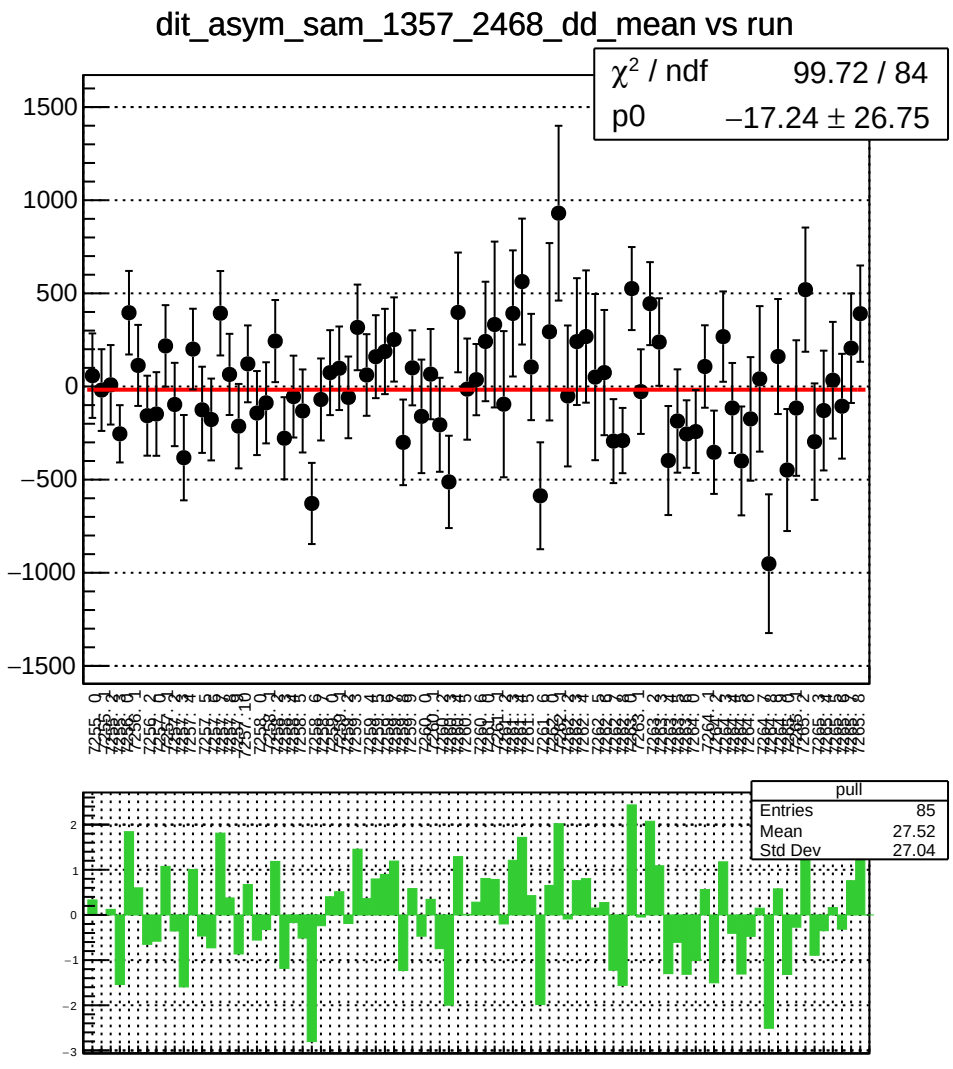

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 90.54 / 84
p0 −822.8 ± 581.5
pull
Entries 85
Mean −468.6
Std Dev 507.3
pull1D
Entries 85
Mean −0.007525
Std Dev 1.032

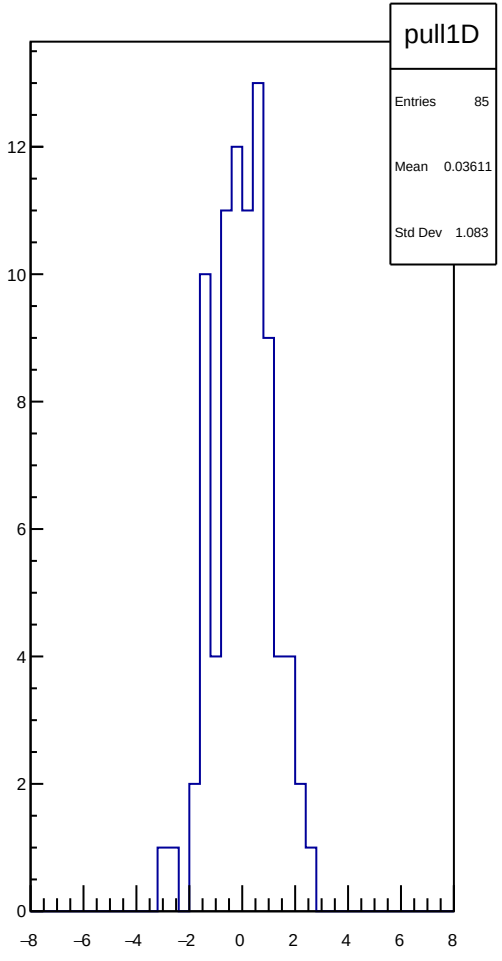

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2391 / 84
p0 527.6 ± 0.4112
580
560
540
520
500

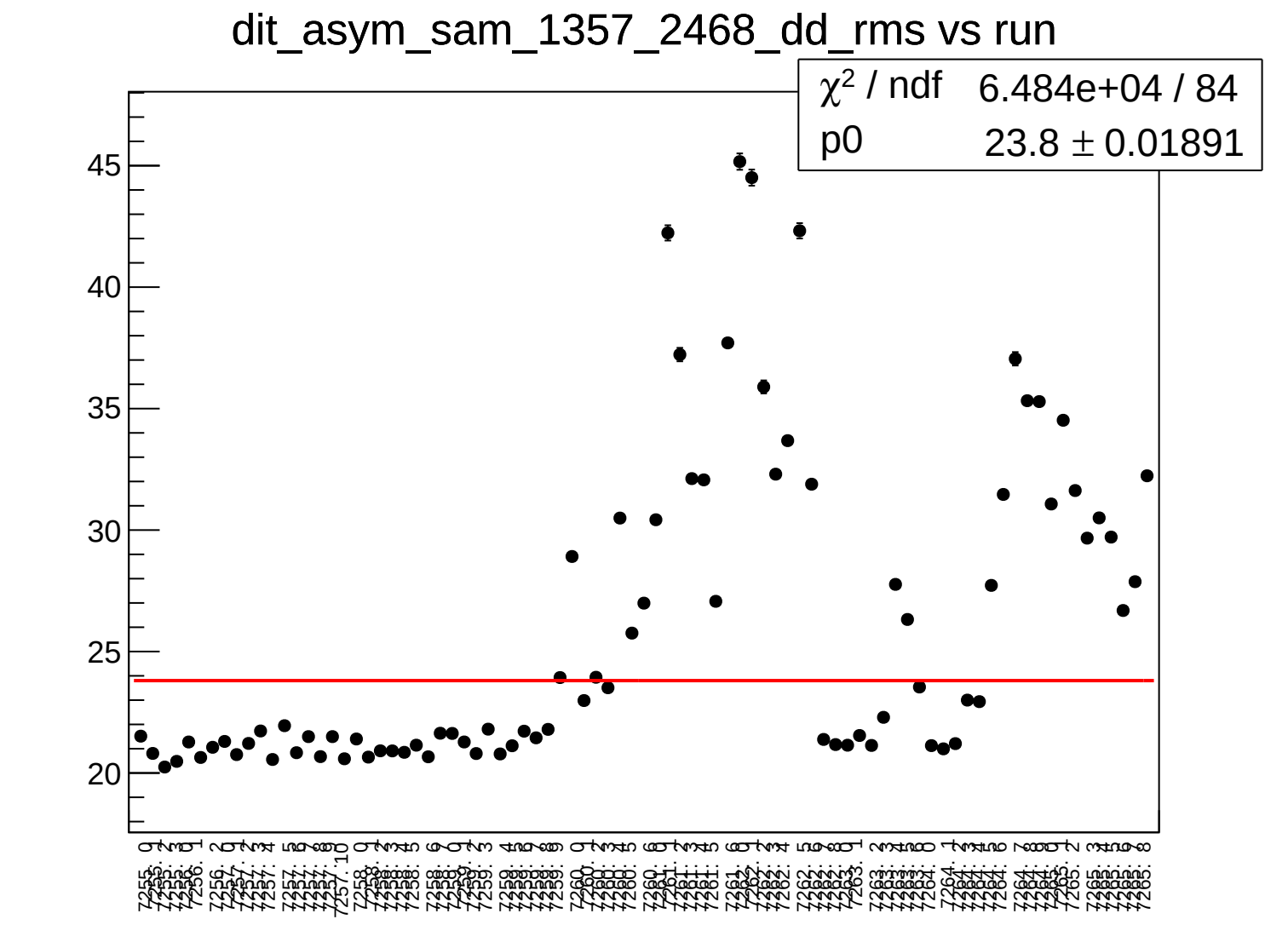

asym_sam_2468_avg_mean vs run
χ² / ndf 94.96 / 84
p0 869.2 ± 589.3
pull
Entries 85
Mean −1299
Std Dev 1338

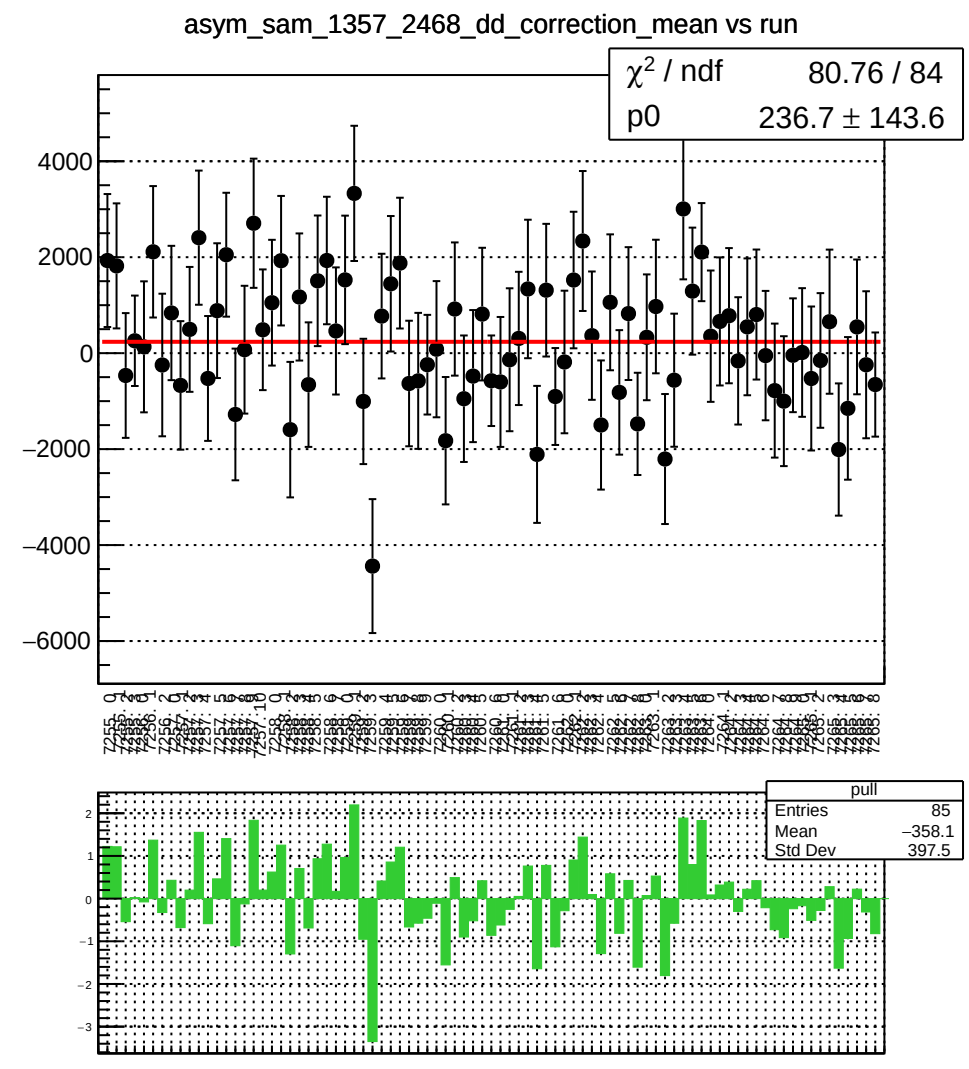

pull1D
Entries 85
Mean 0.002879
Std Dev 1.057

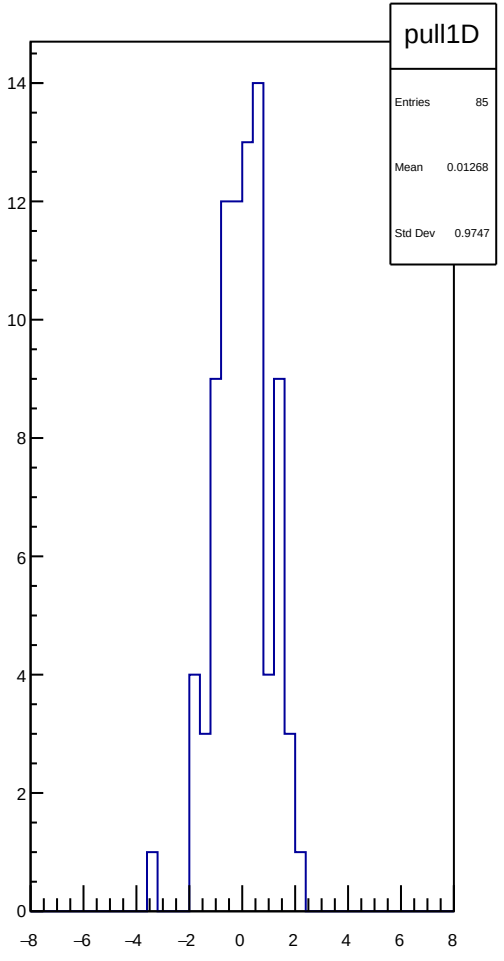

asym_sam_2468_avg_rms vs run
χ² / ndf 3958 / 84
p0 534.4 ± 0.4167
620
600
580
560
540
520
500
480

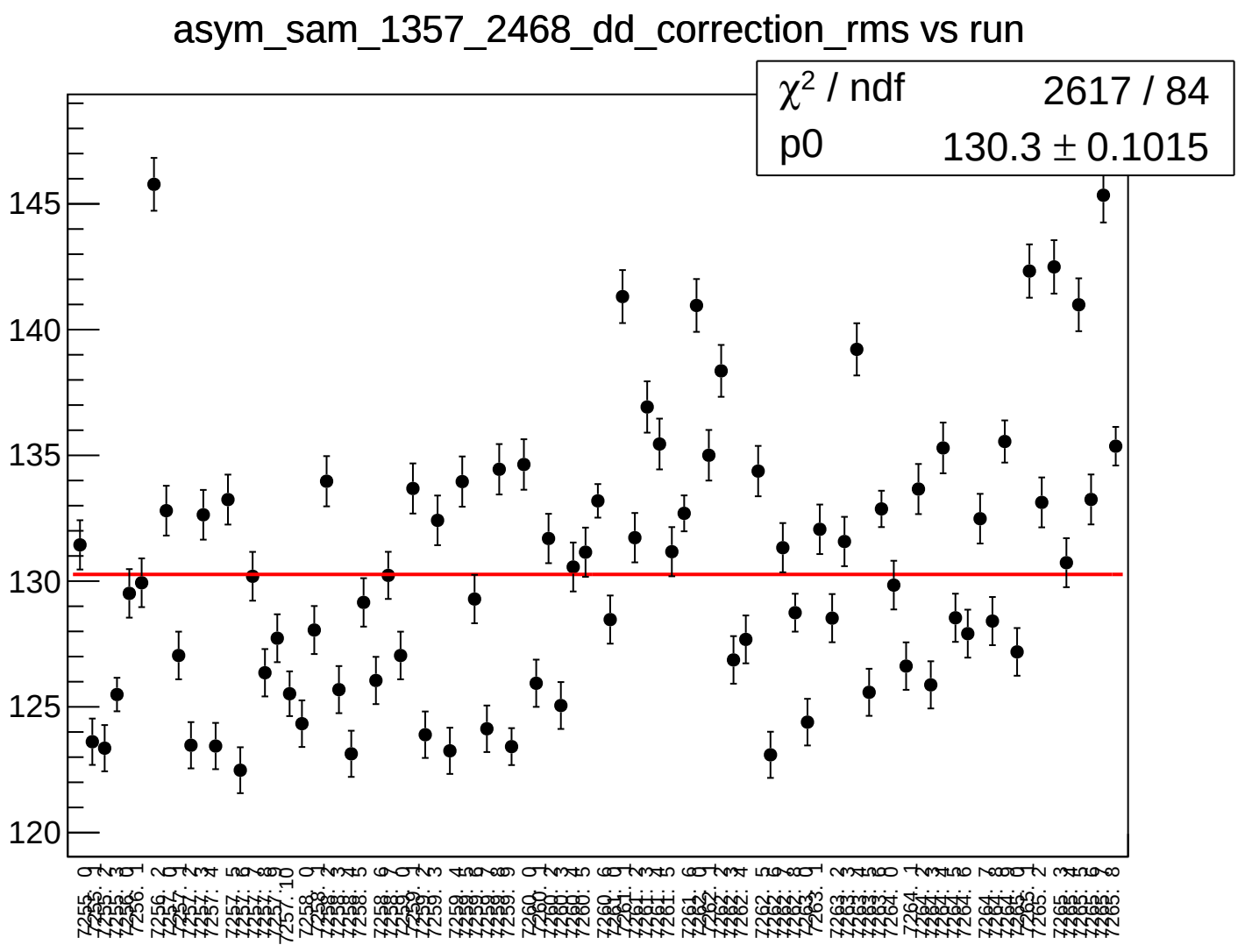

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 99.72 / 84
p0 −17.24 ± 26.75
pull
Entries 85
Mean 27.52
Std Dev 27.04

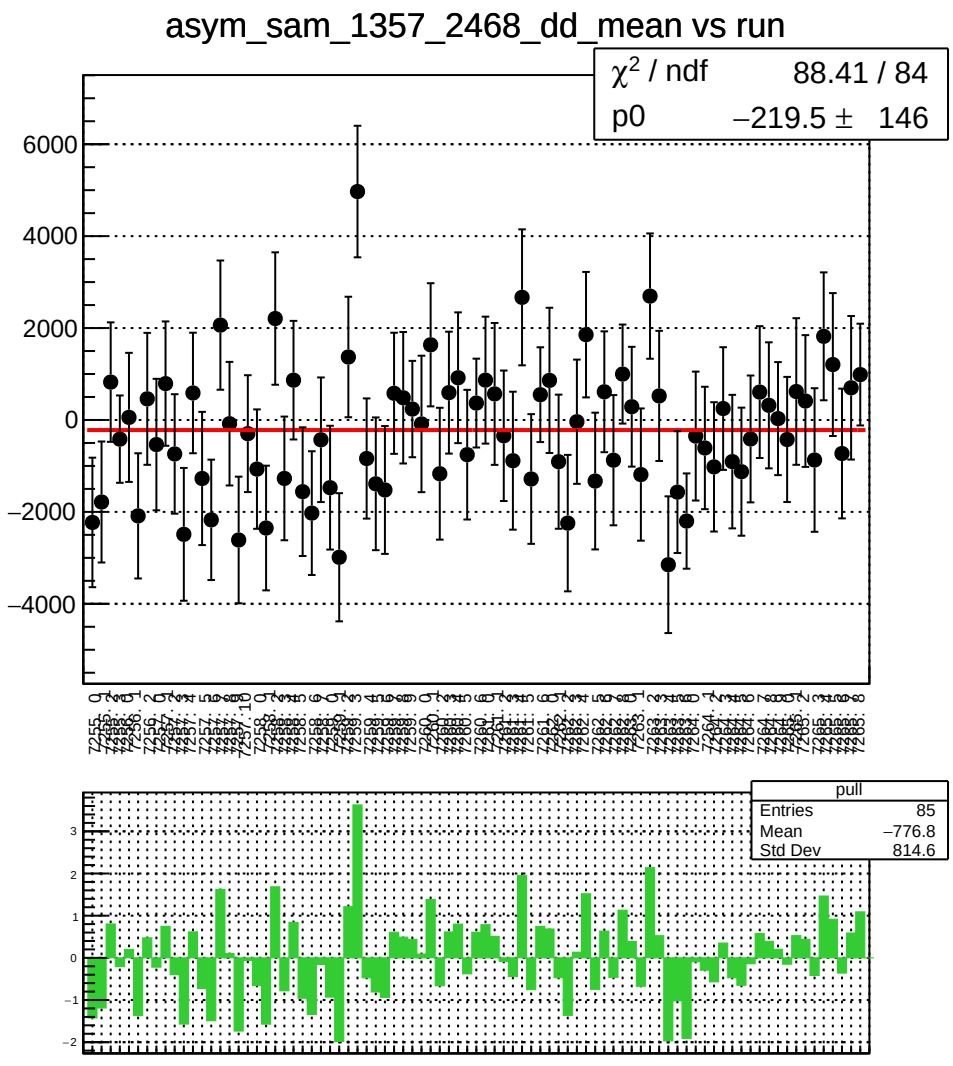

pull1D
Entries 85
Mean 0.03611
Std Dev 1.083

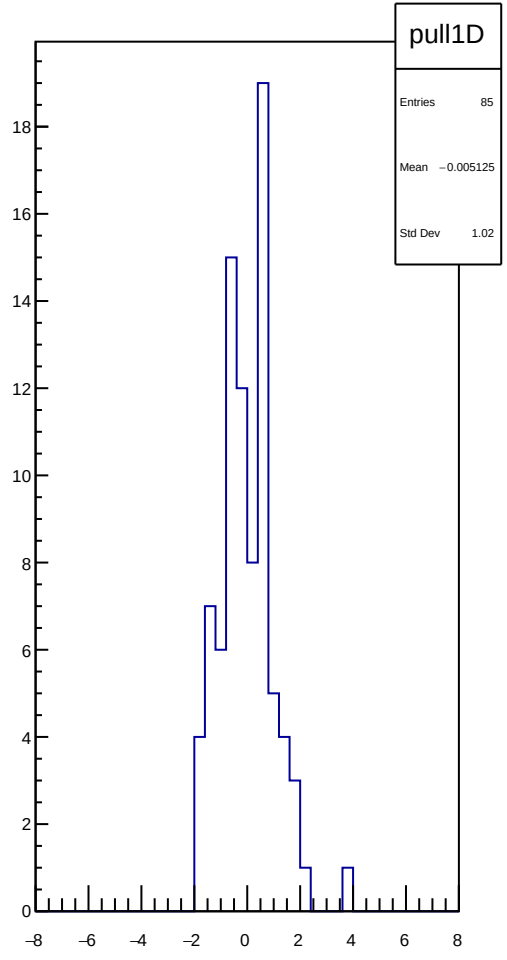

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6.484e+04 / 84
p0 23.8 ± 0.01891
45
40
35
30
25
20

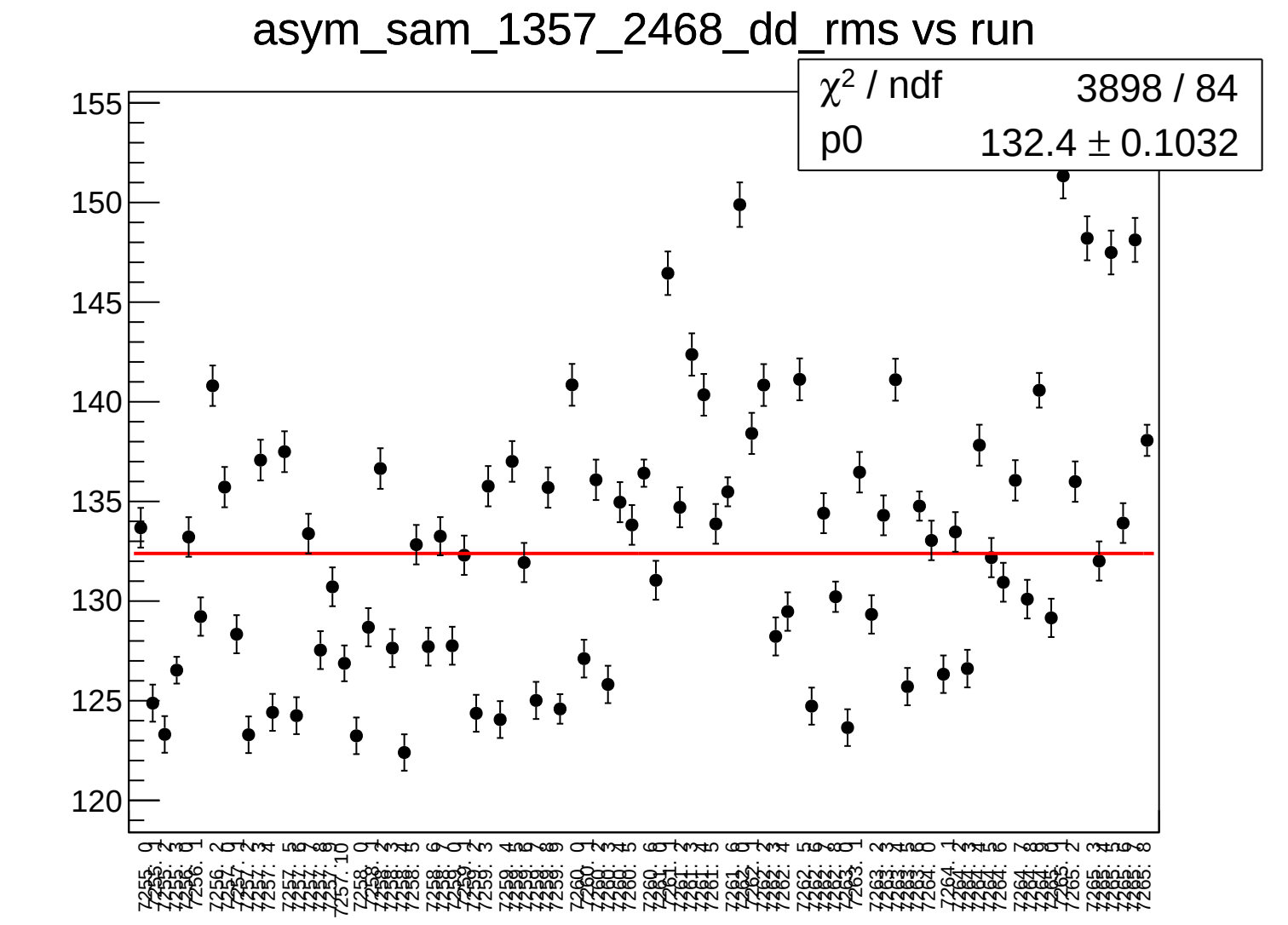

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 80.76 / 84
p0 236.7 ± 143.6
4000
2000
0
−2000
−4000
−6000
pull
Entries 85
Mean −358.1
Std Dev 397.5
2
1
0
−1
−2
−3

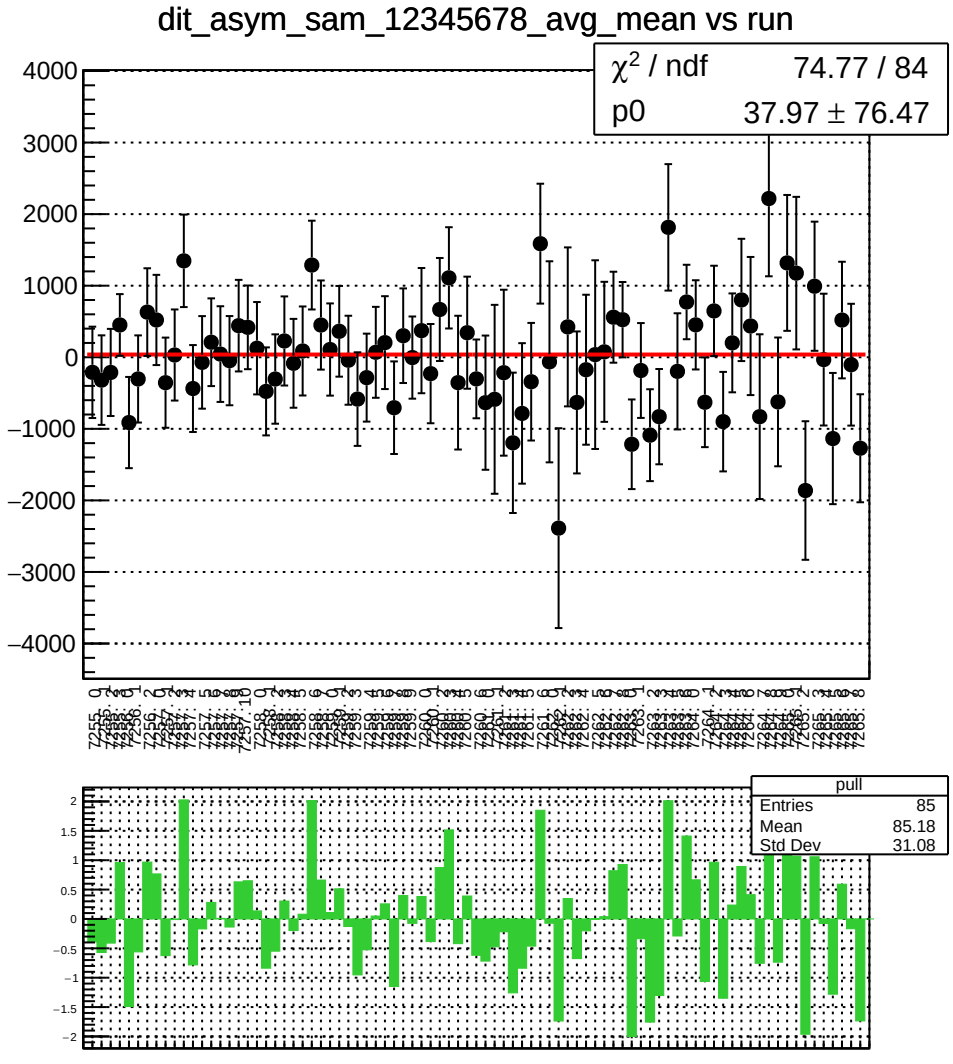

pull1D
Entries 85
Mean 0.01268
Std Dev 0.9747
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

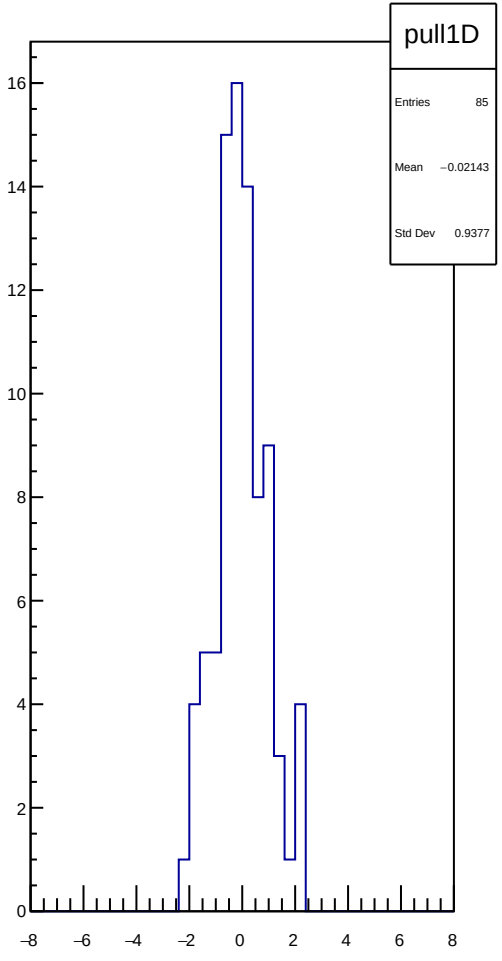

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2617 / 84
p0 130.3 ± 0.1015
145
140
135
130
125
120

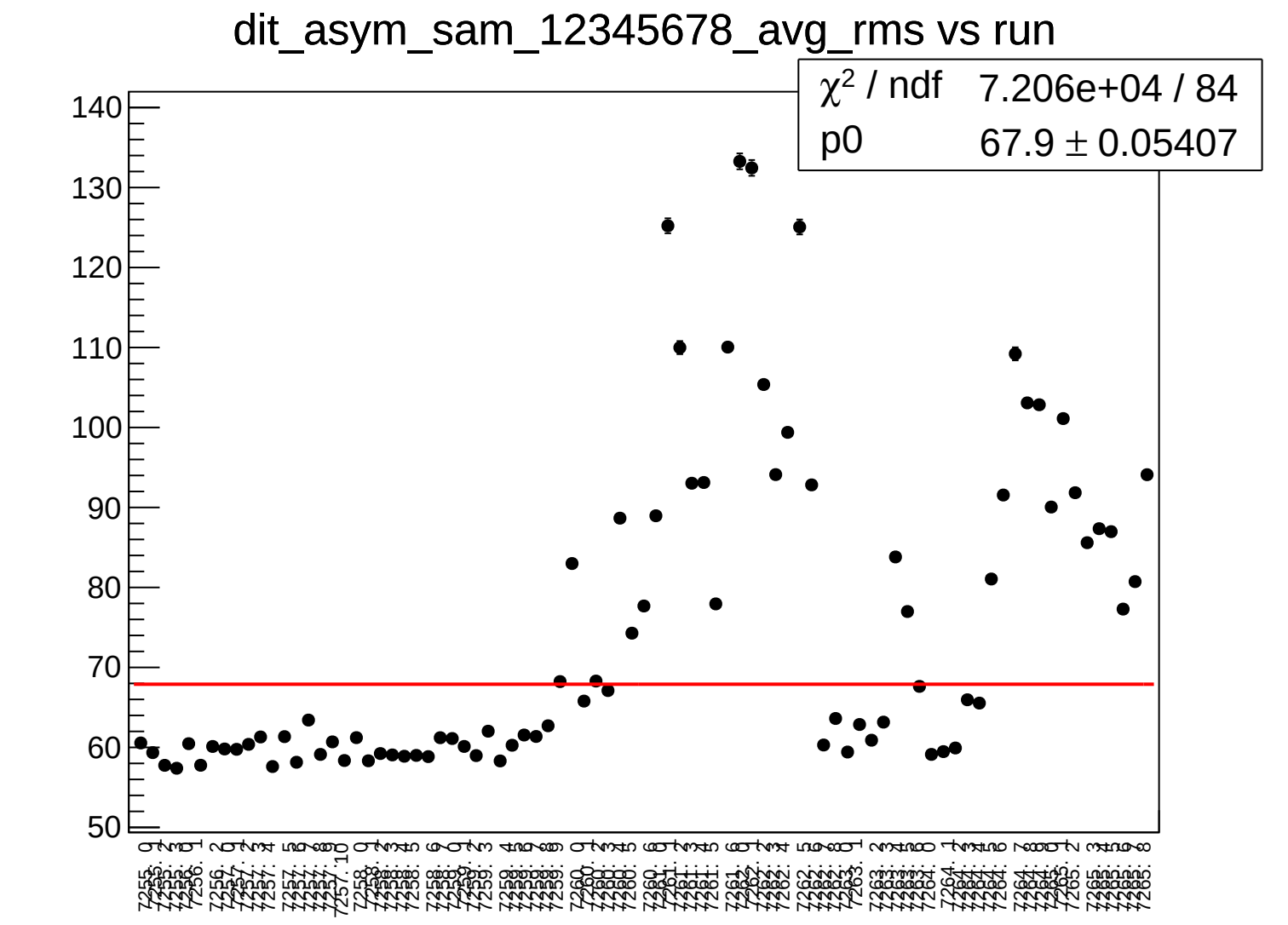

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 88.41 / 84
p0 −219.5 ± 146
6000
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −776.8
Std Dev 814.6
3
2
1
0
−1
−2

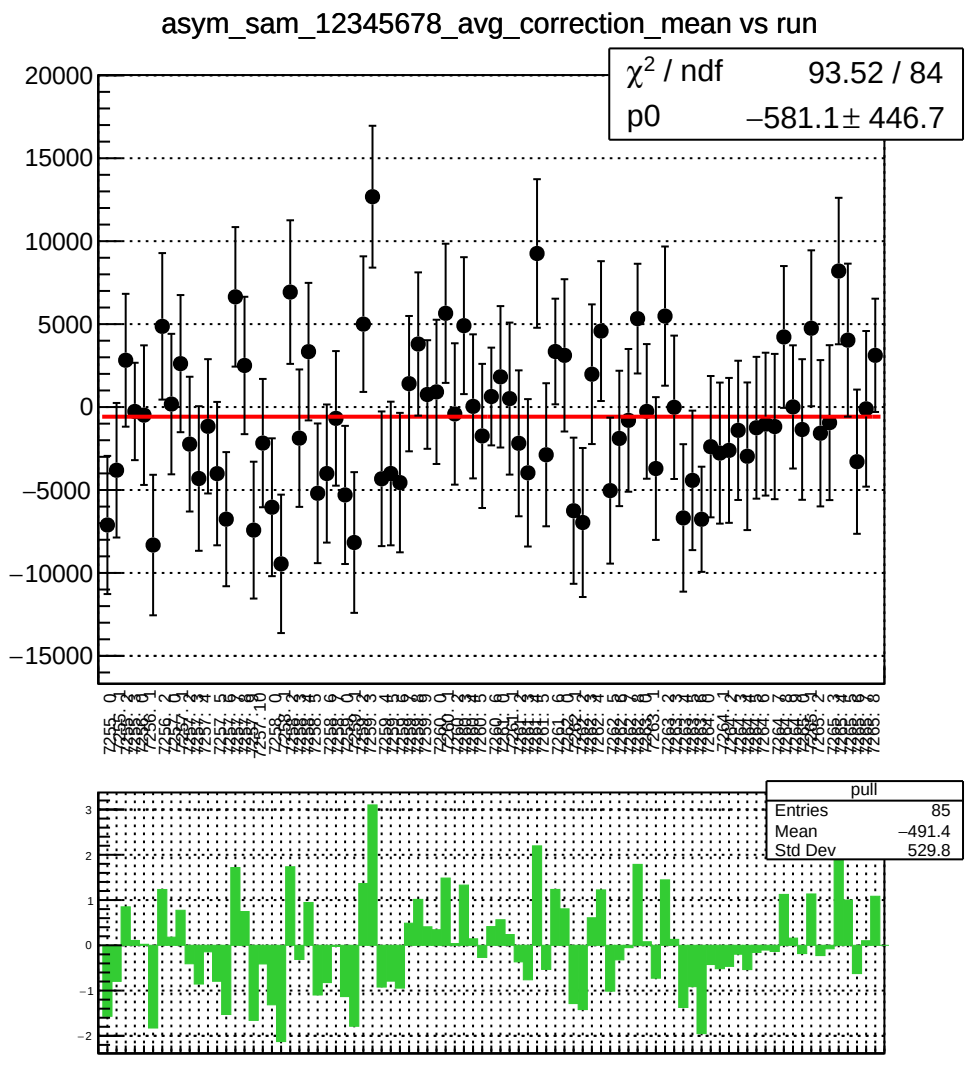

pull1D
Entries 85
Mean −0.005125
Std Dev 1.02
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

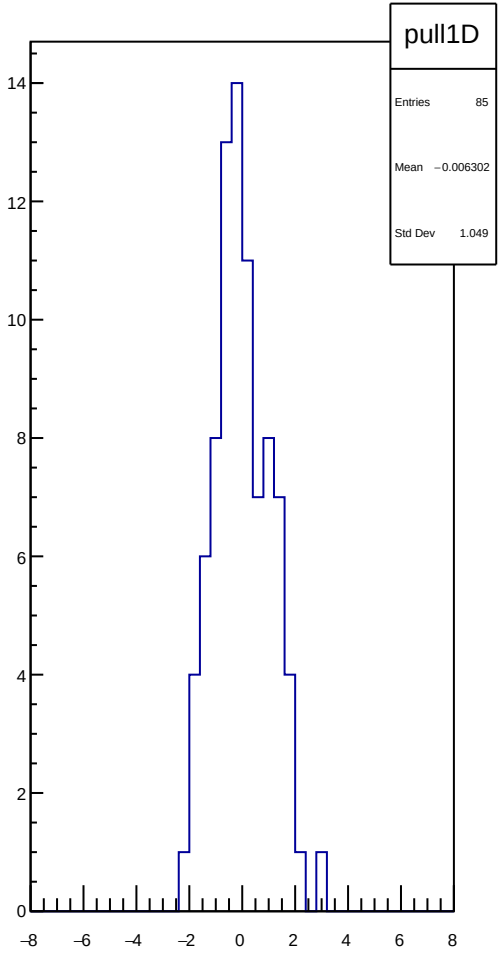

asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 3898 / 84
p0 132.4 ± 0.1032
155
150
145
140
135
130
125
120

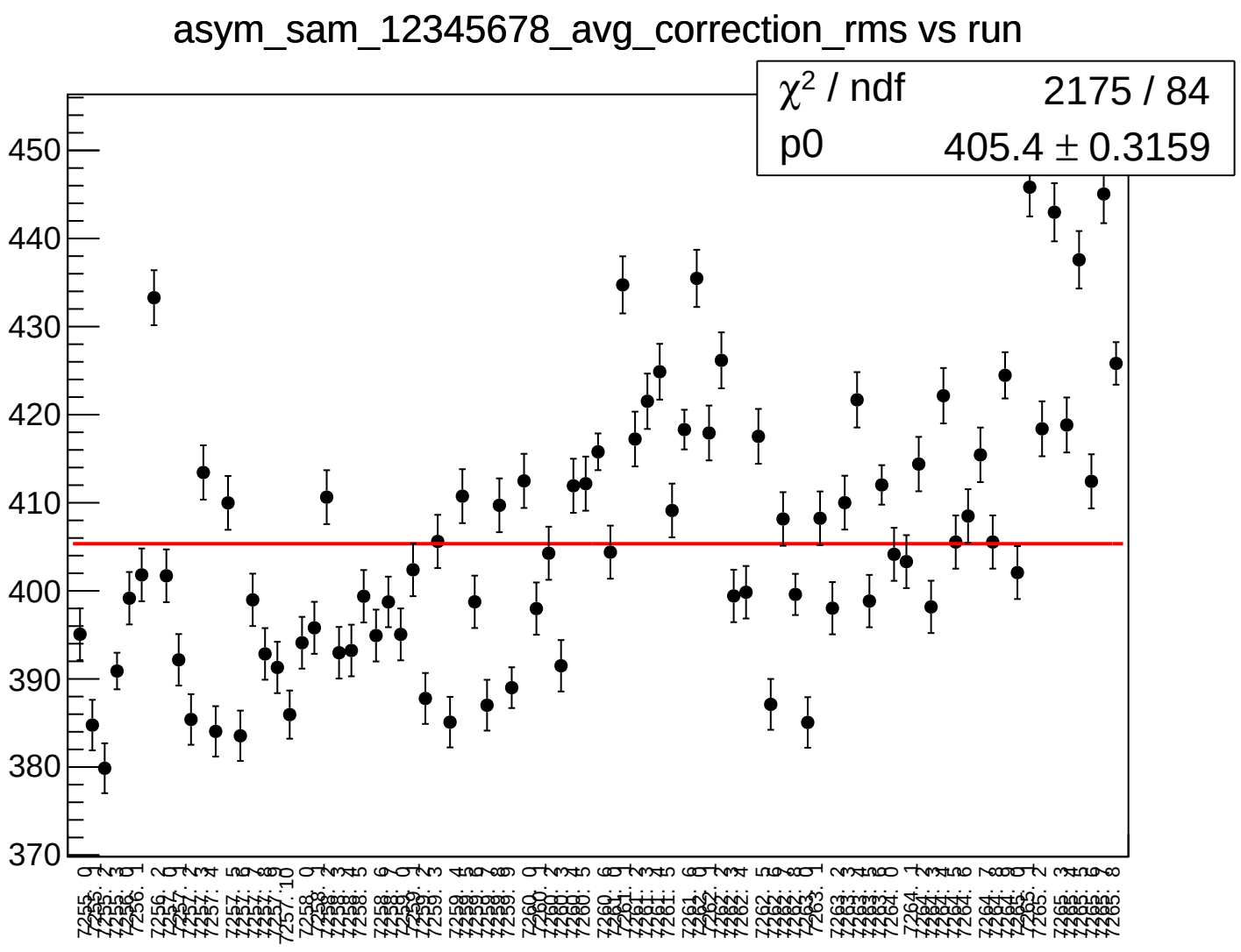

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 74.77 / 84
p0 37.97 ± 76.47
pull
Entries 85
Mean 85.18
Std Dev 31.08

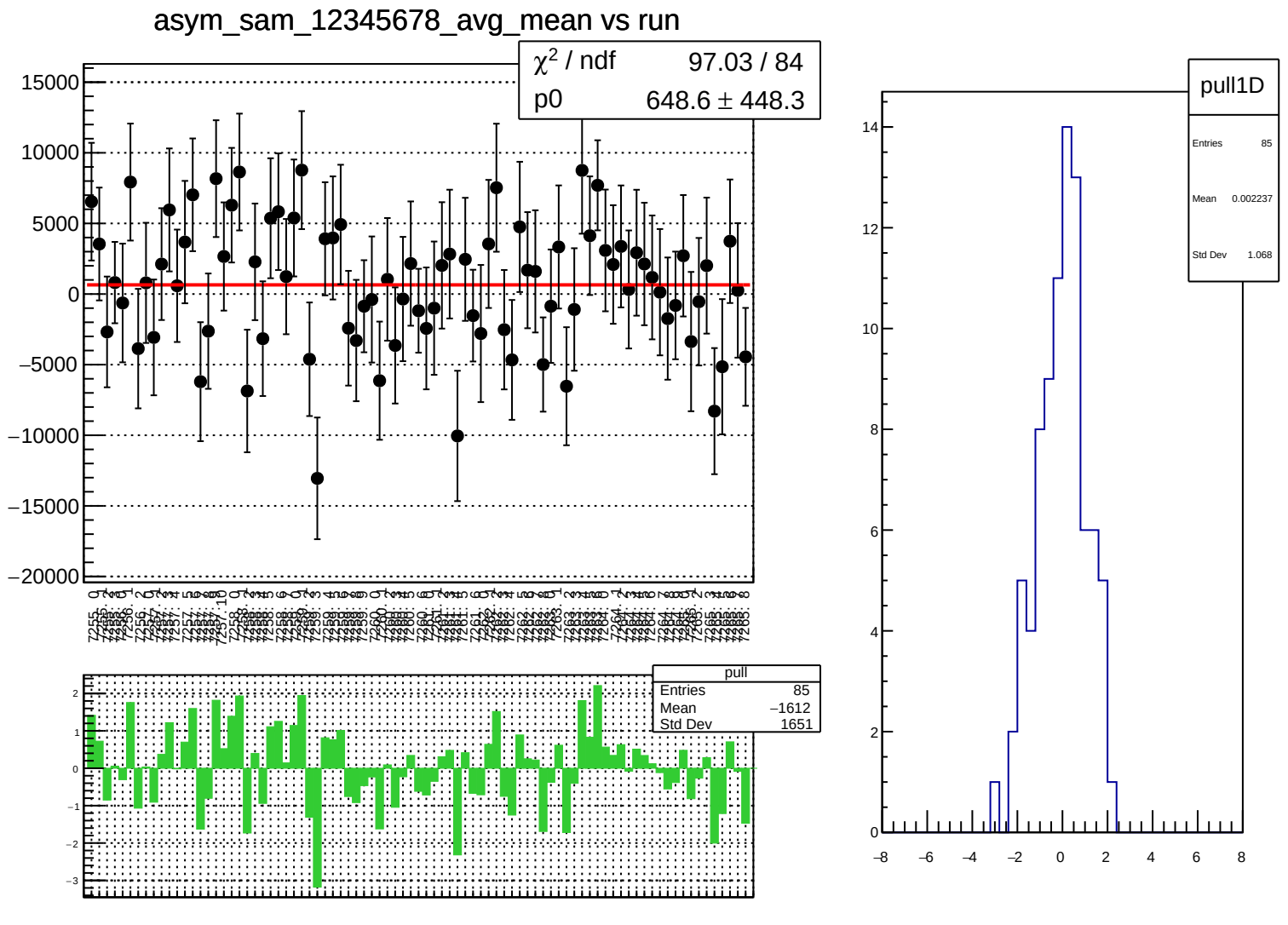

pull1D
Entries 85
Mean −0.02143
Std Dev 0.9377

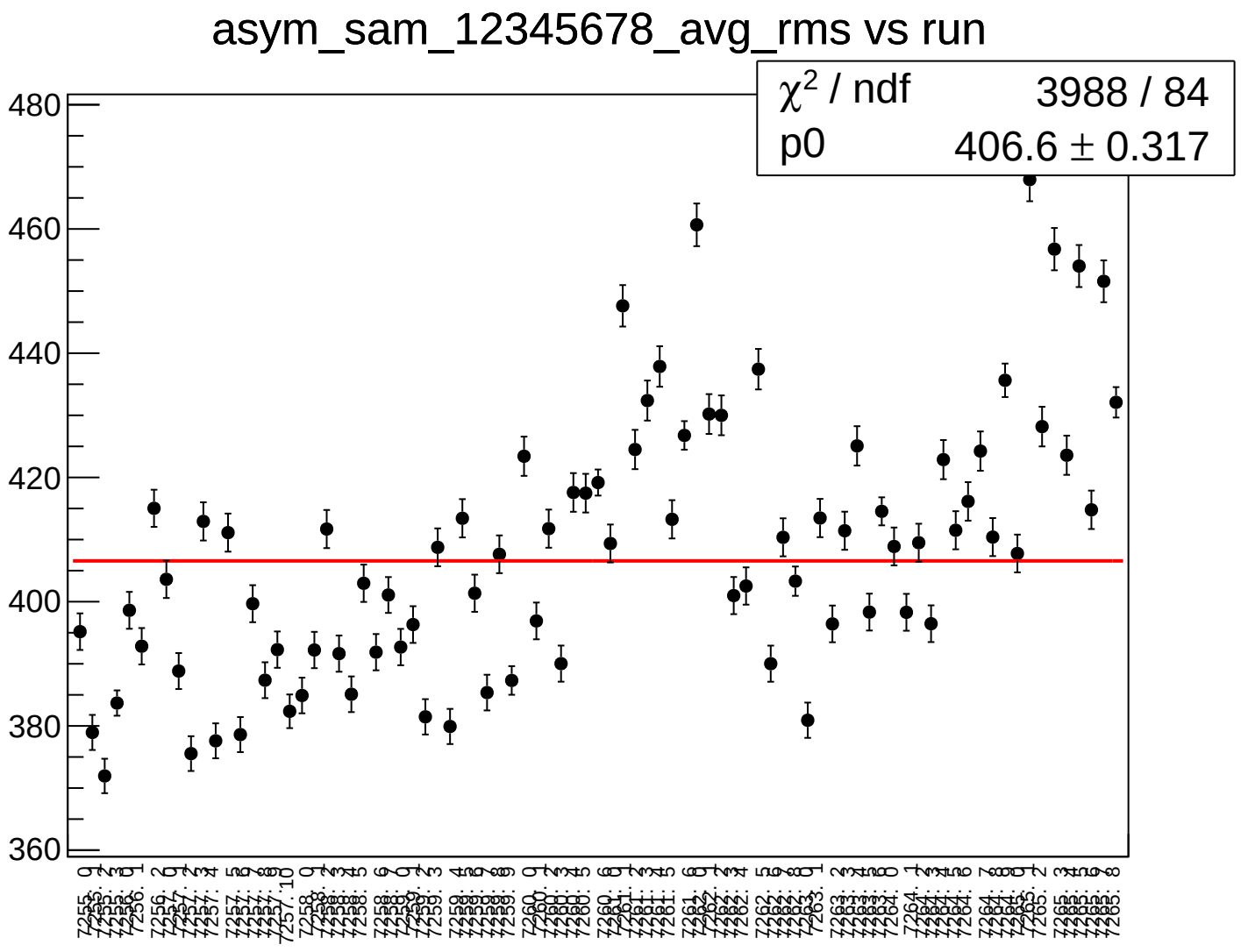

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 7.206e+04 / 84
p0 67.9 ± 0.05407
140
130
120
110
100
90
80
70
60
50

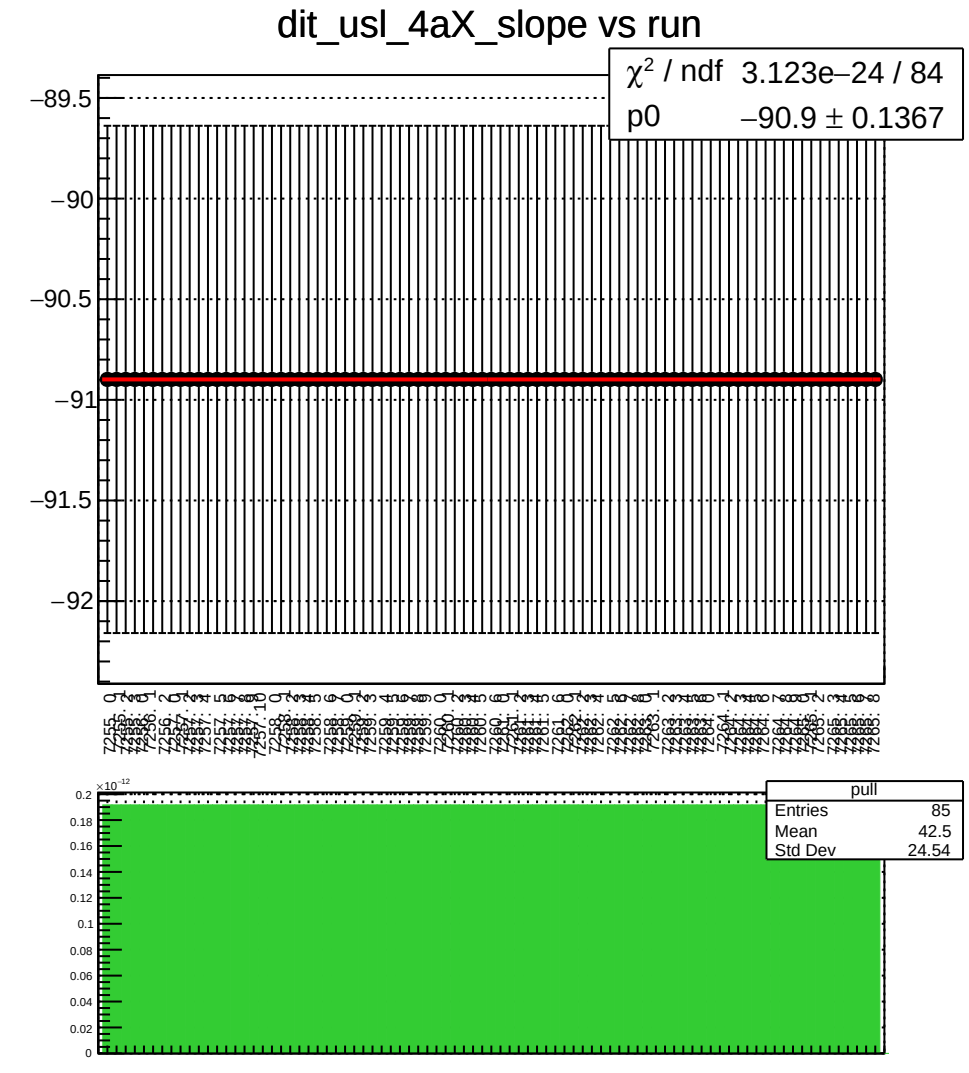

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 93.52 / 84
p0 −581.1 ± 446.7
pull
Entries 85
Mean −491.4
Std Dev 529.8

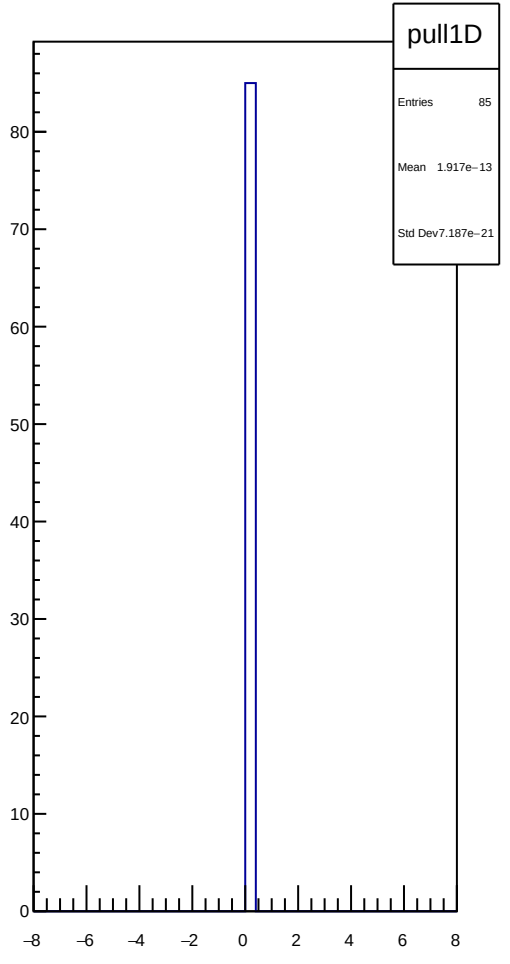

pull1D
Entries 85
Mean −0.006302
Std Dev 1.049

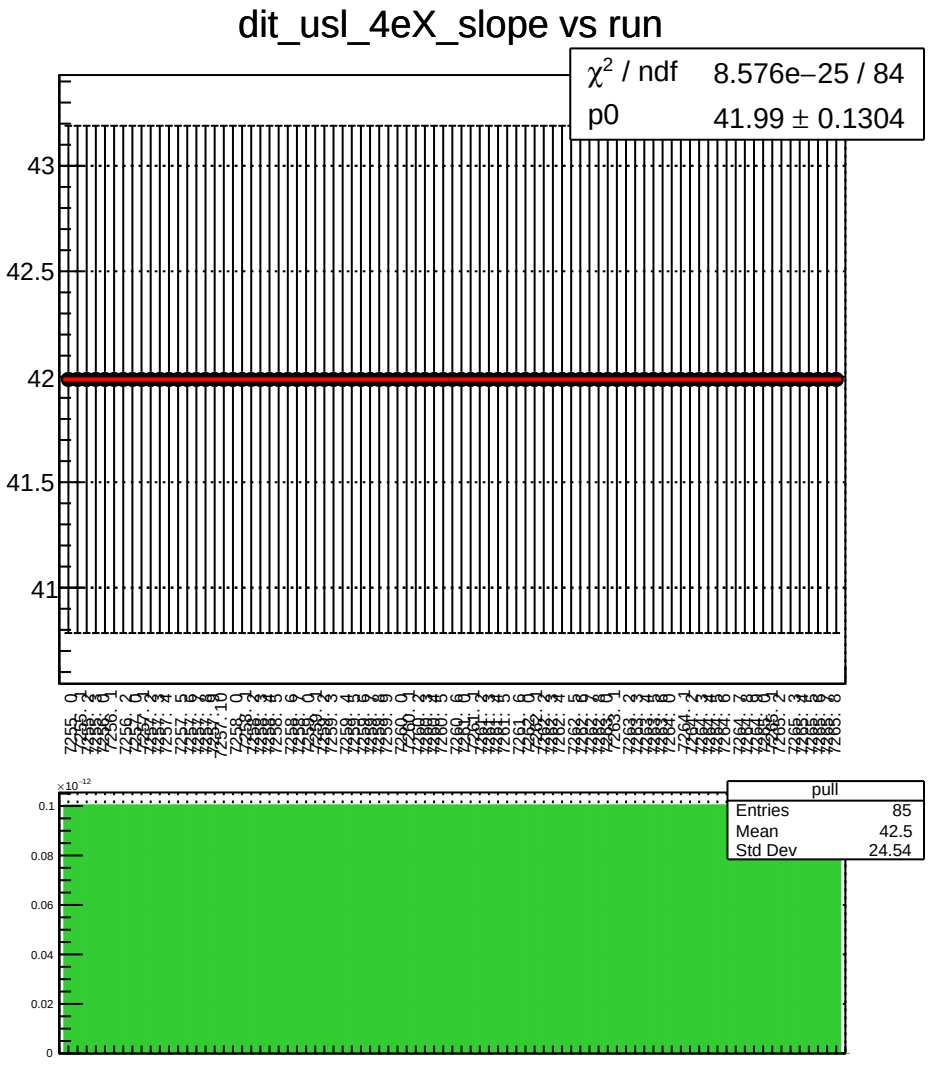

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2175 / 84
p0 405.4 ± 0.3159
450
440
430
420
410
400
390
380
370

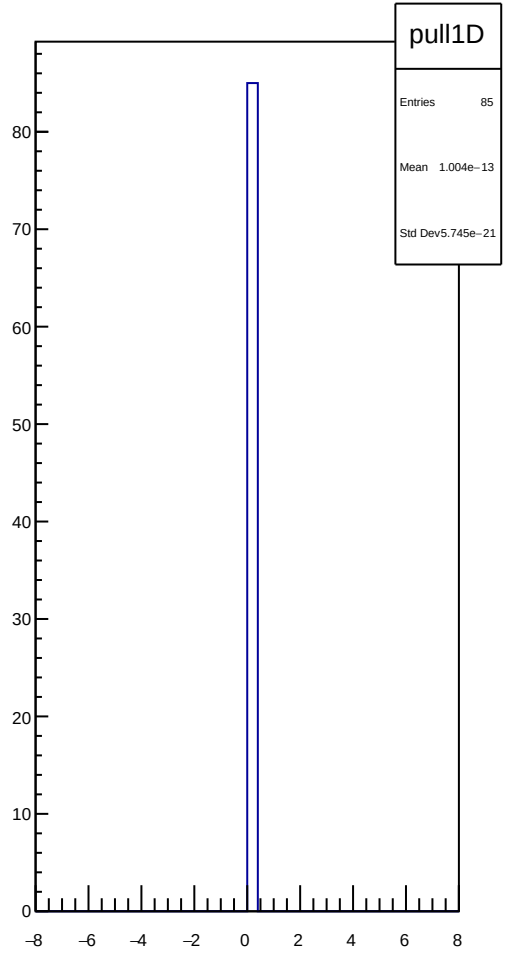

asym_sam_12345678_avg_mean vs run
χ² / ndf 97.03 / 84
p0 648.6 ± 448.3
pull
Entries 85
Mean −1612
Std Dev 1651
pull1D
Entries 85
Mean 0.002237
Std Dev 1.068

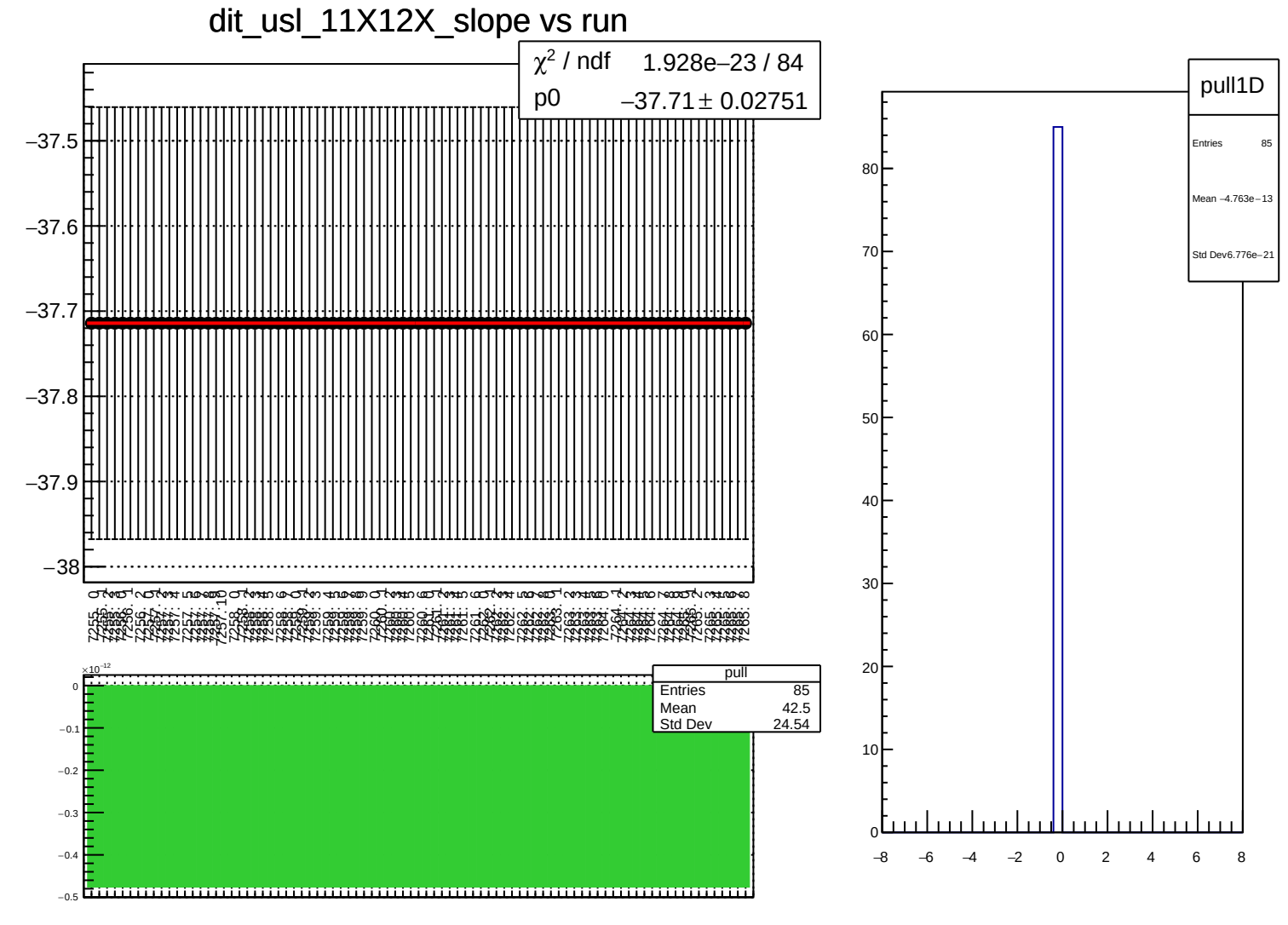

asym_sam_12345678_avg_rms vs run
χ² / ndf 3988 / 84
p0 406.6 ± 0.317
480
460
440
420
400
380
360

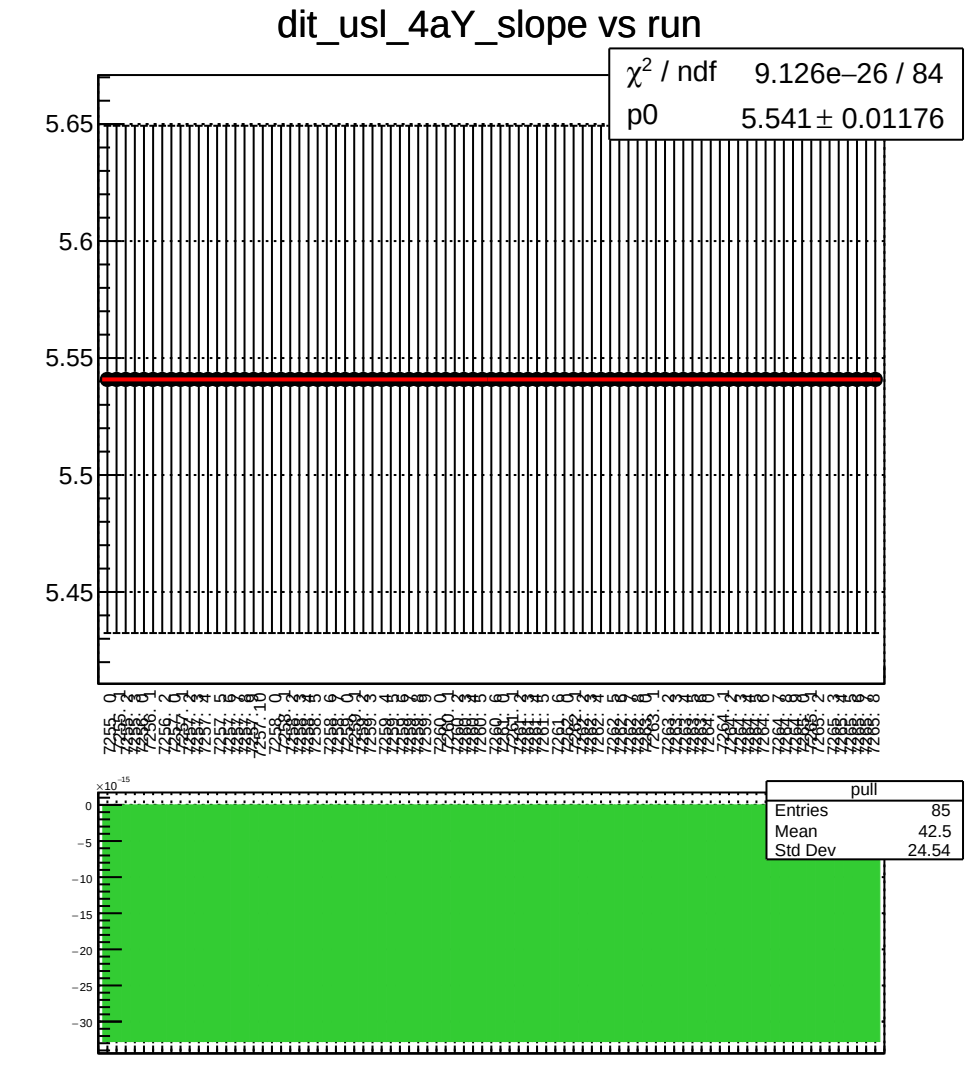

dit_usl_4aX_slope vs run
χ² / ndf 3.123e−24 / 84
p0 −90.9 ± 0.1367
−89.5
−90
−90.5
−91
−91.5
−92
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

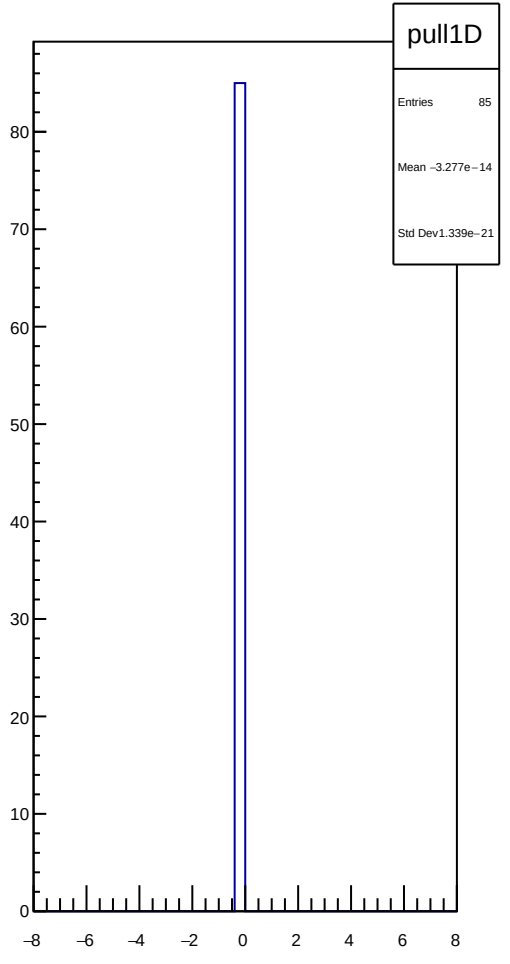

pull1D
Entries 85
Mean 1.917e−13
Std Dev7.187e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

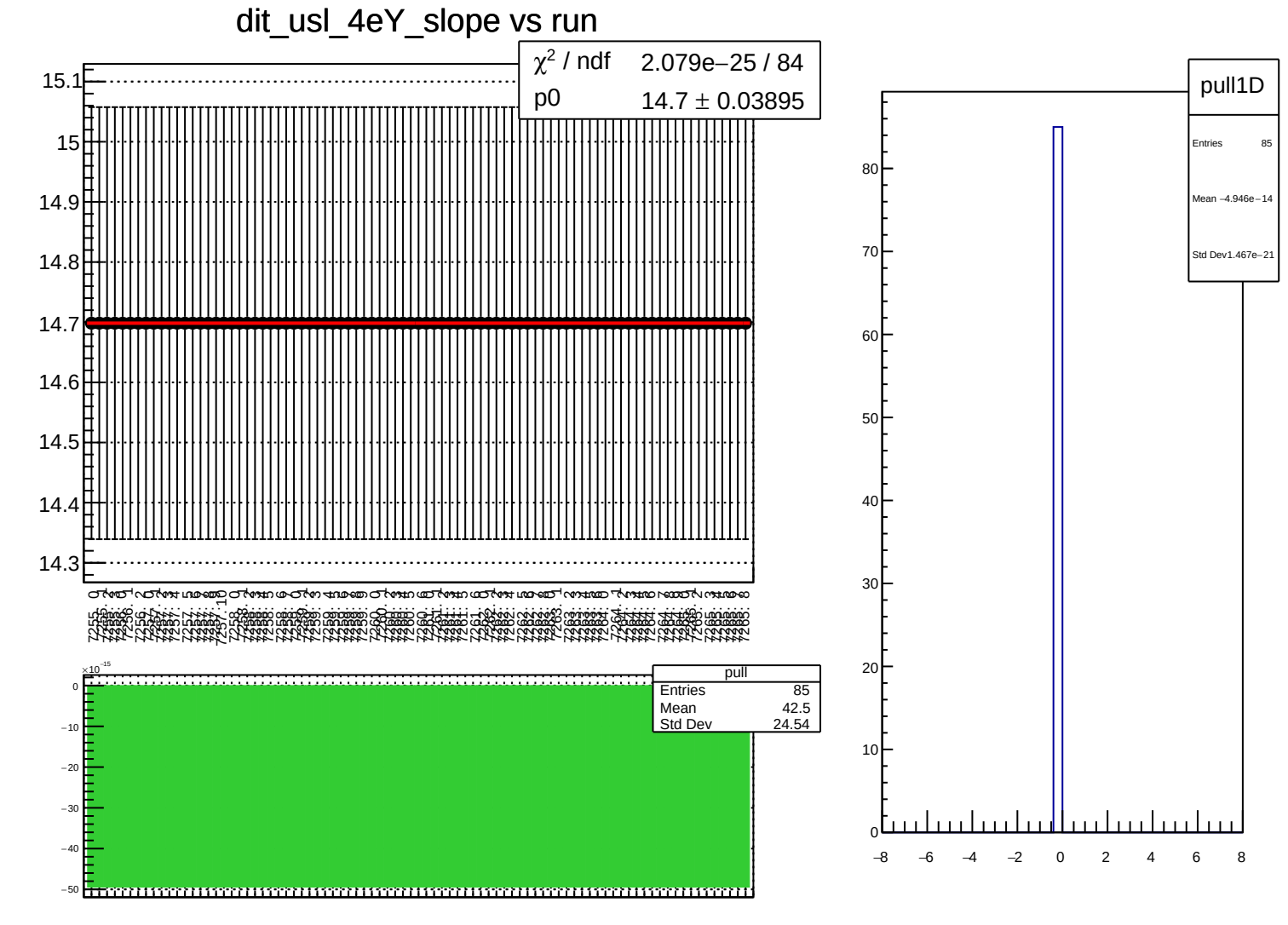

dit_usl_4eX_slope vs run
χ^2 / ndf 8.576e−25 / 84
p0 41.99 ± 0.1304
43
42.5
42
41.5
41
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

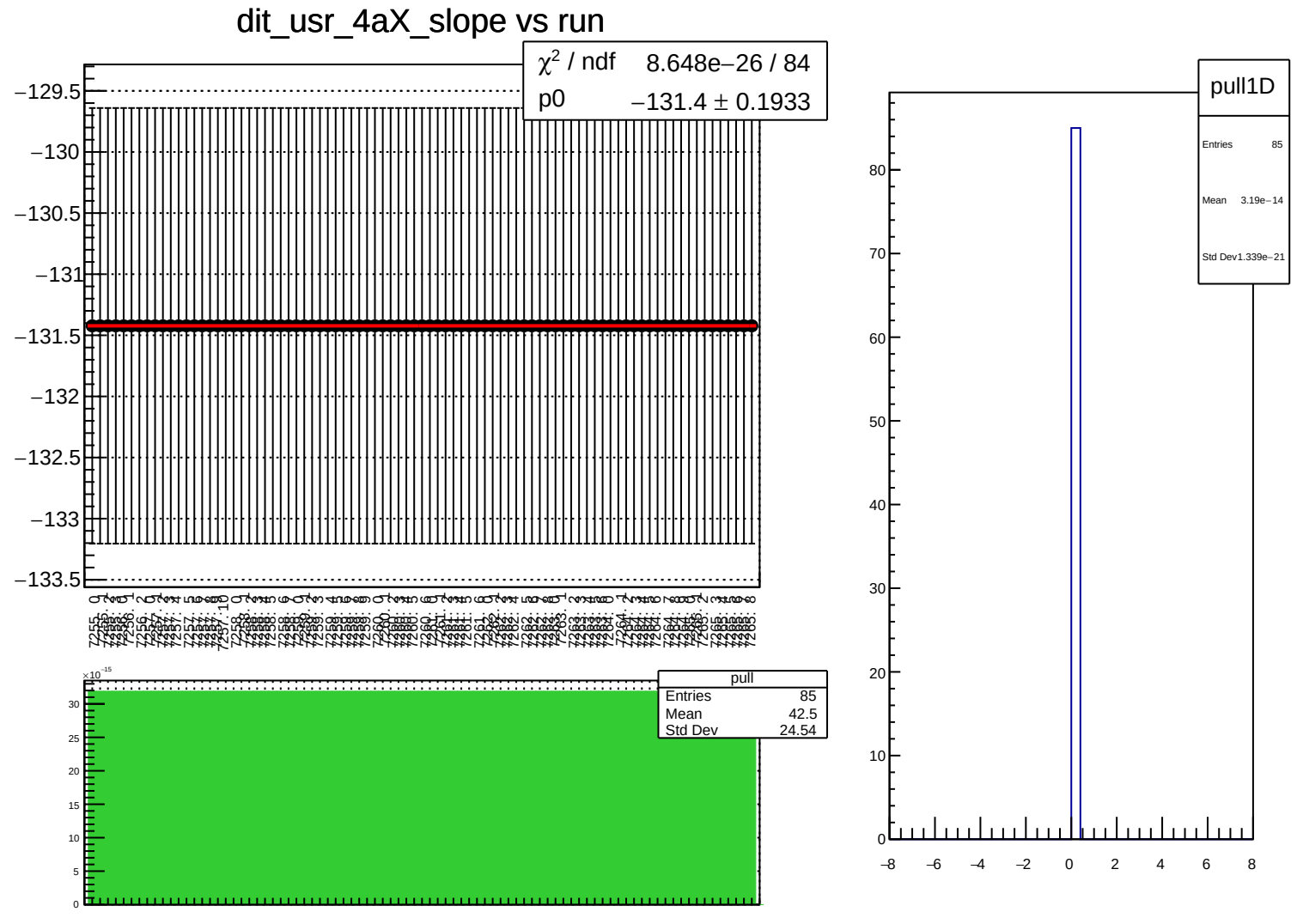

pull1D
Entries 85
Mean 1.004e−13
Std Dev5.745e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

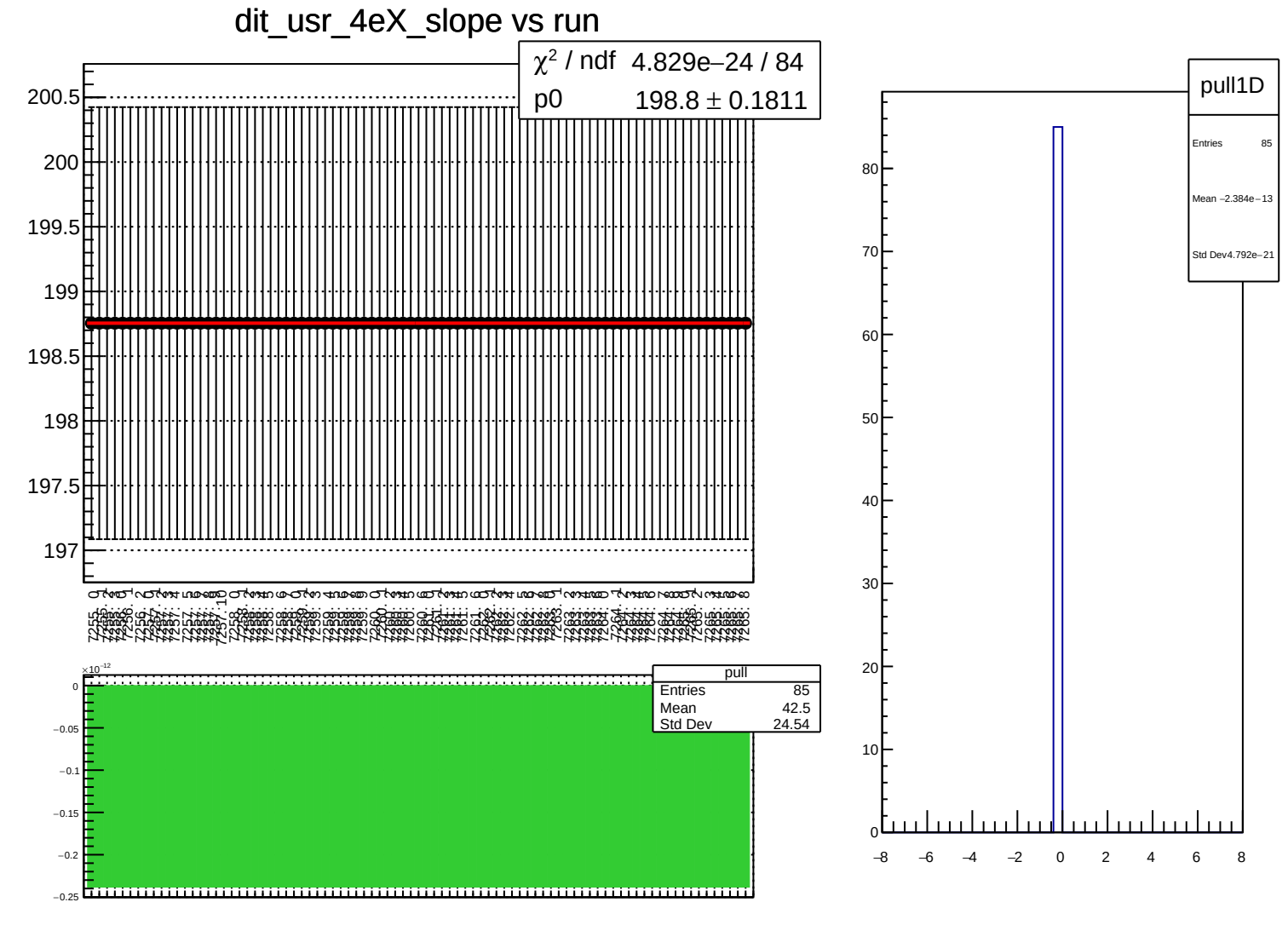

dit_usl_11X12X_slope vs run
χ² / ndf 1.928e−23 / 84
p0 −37.71 ± 0.02751
−37.5
−37.6
−37.7
−37.8
−37.9
−38
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 85
Mean −4.763e−13
Std Dev6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

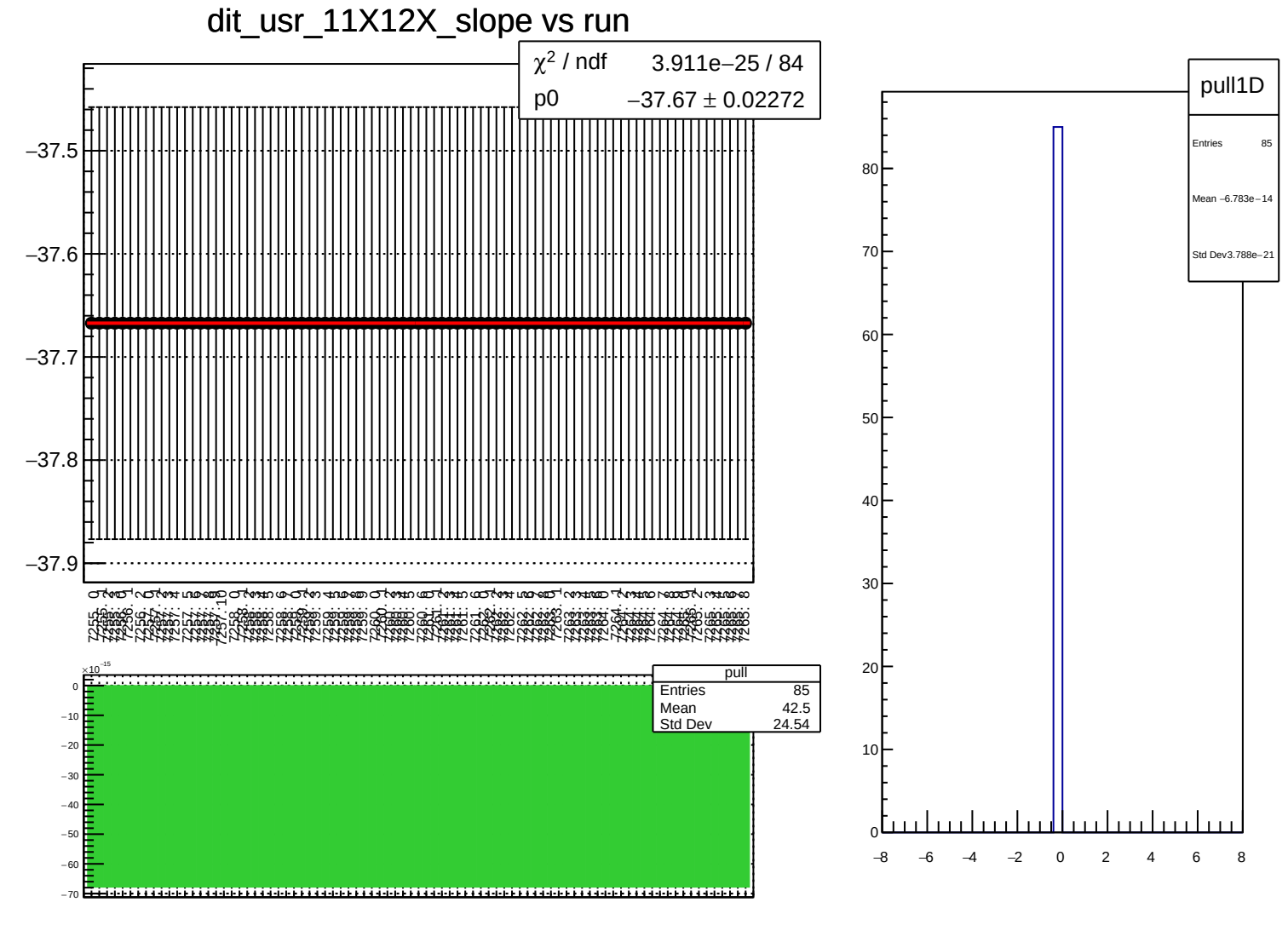

dit_usl_4aY_slope vs run
χ² / ndf 9.126e−26 / 84
p0 5.541 ± 0.01176
5.65
5.6
5.55
5.5
5.45
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

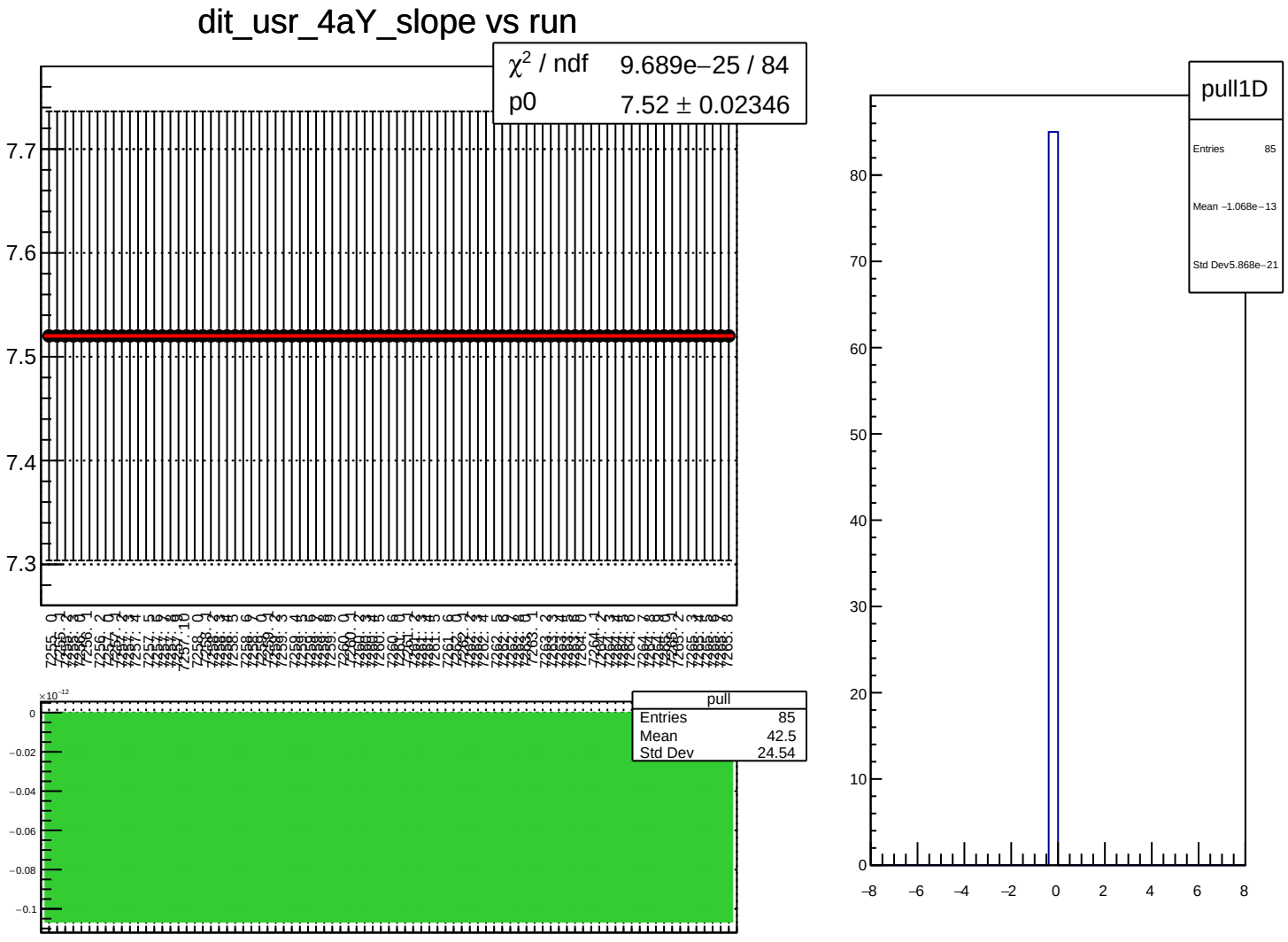

pull1D
Entries 85
Mean −3.277e−14
Std Dev1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

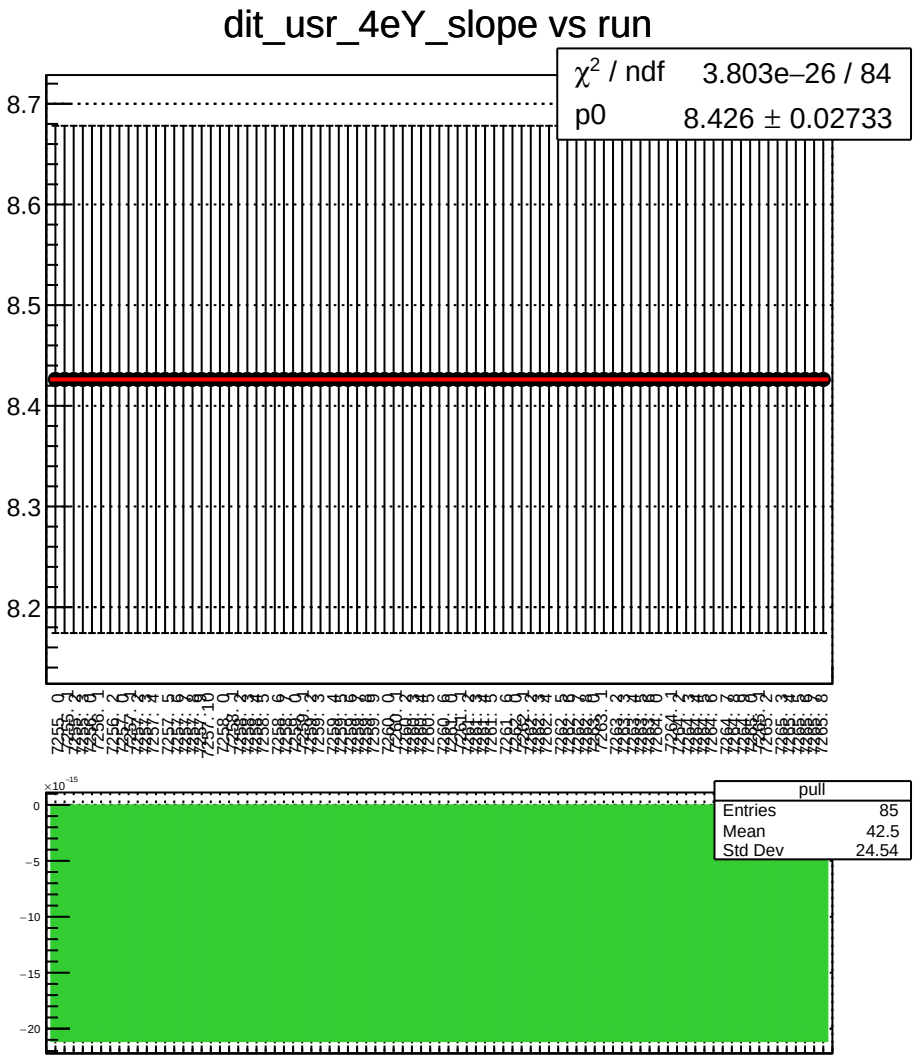

dit_usl_4eY_slope vs run
χ² / ndf 2.079e−25 / 84
p0 14.7 ± 0.03895
15.1
15
14.9
14.8
14.7
14.6
14.5
14.4
14.3
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 85
Mean −4.946e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

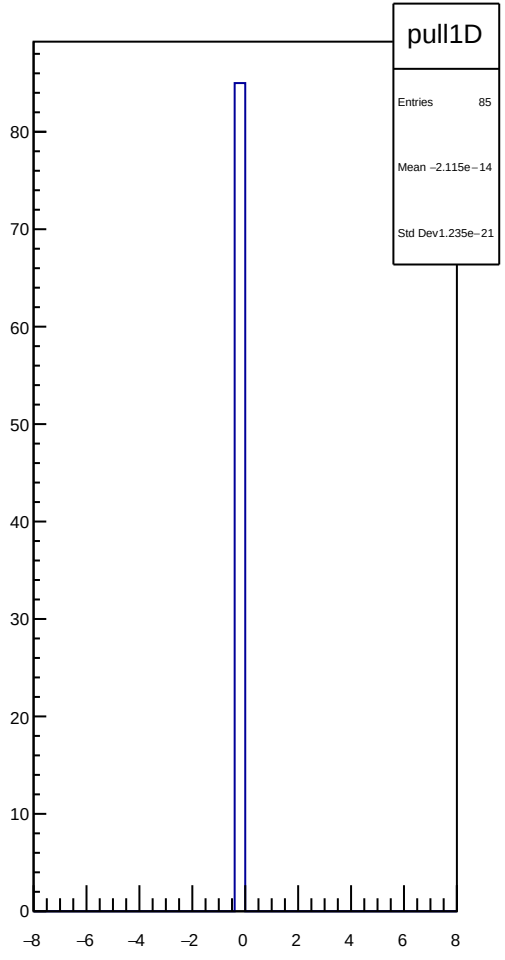

dit_usr_4aX_slope vs run
χ² / ndf 8.648e−26 / 84
p0 −131.4 ± 0.1933
−129.5
−130
−130.5
−131
−131.5
−132
−132.5
−133
−133.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
30
25
20
15
10
5
0
pull1D
Entries 85
Mean 3.19e−14
Std Dev 1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

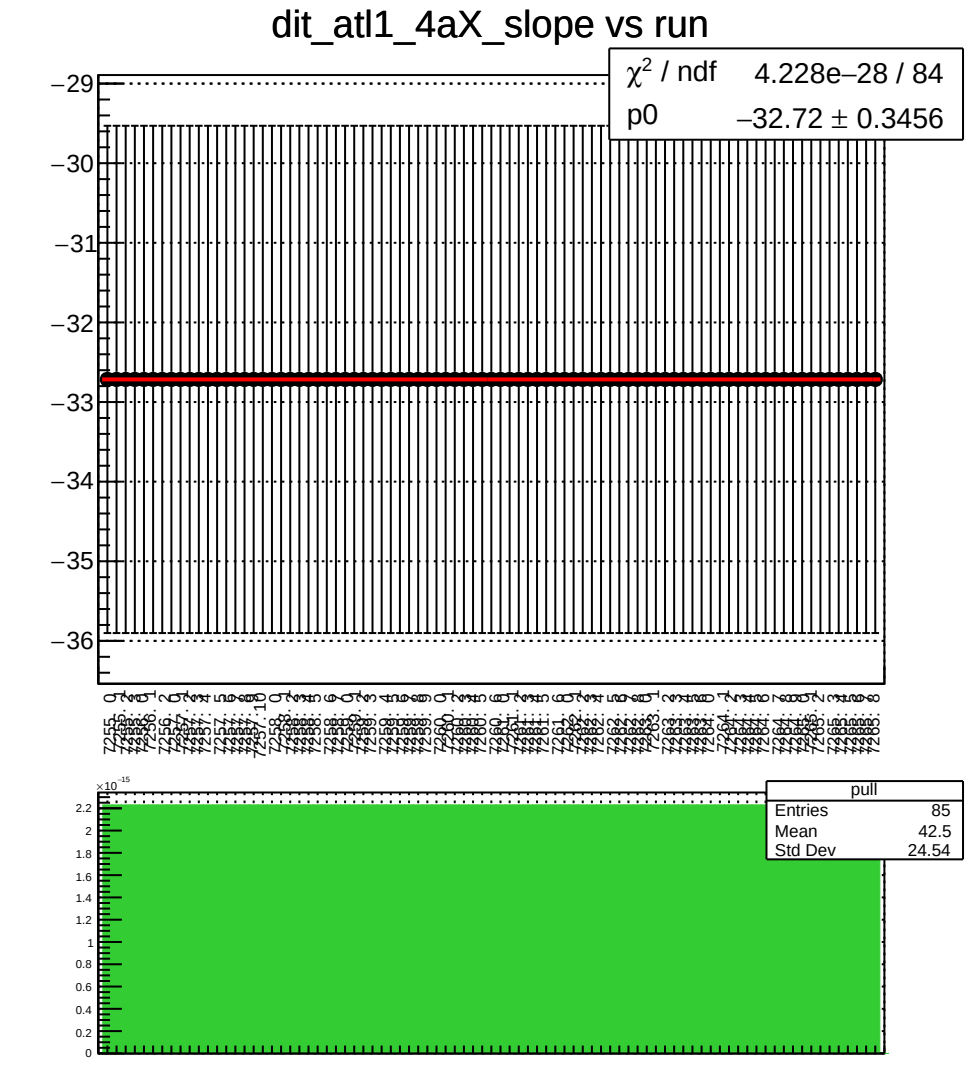

dit_usr_4eX_slope vs run
χ² / ndf 4.829e−24 / 84
p0 198.8 ± 0.1811
200.5
200
199.5
199
198.5
198
197.5
197
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 85
Mean −2.384e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

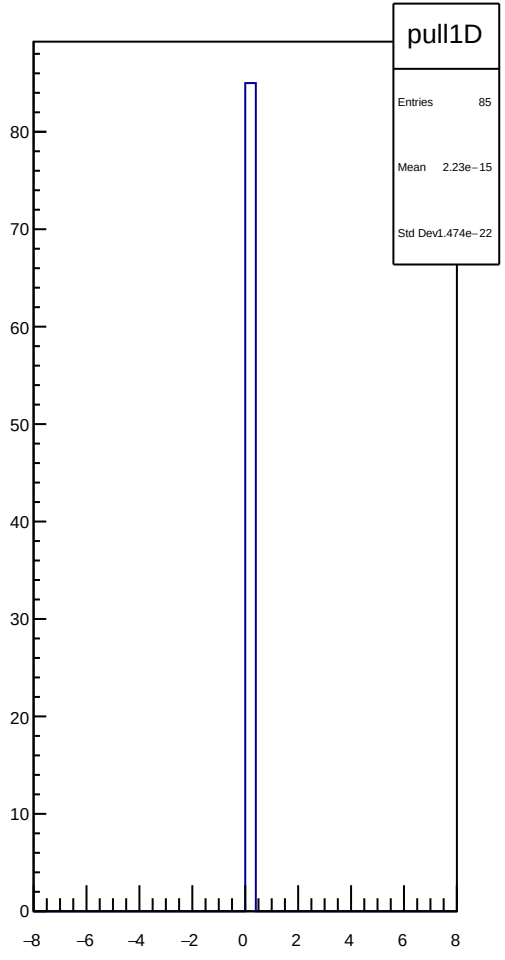

dit_usr_11X12X_slope vs run
χ² / ndf 3.911e−25 / 84
p0 −37.67 ± 0.02272
−37.5
−37.6
−37.7
−37.8
−37.9
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 85
Mean −6.783e−14
Std Dev 3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

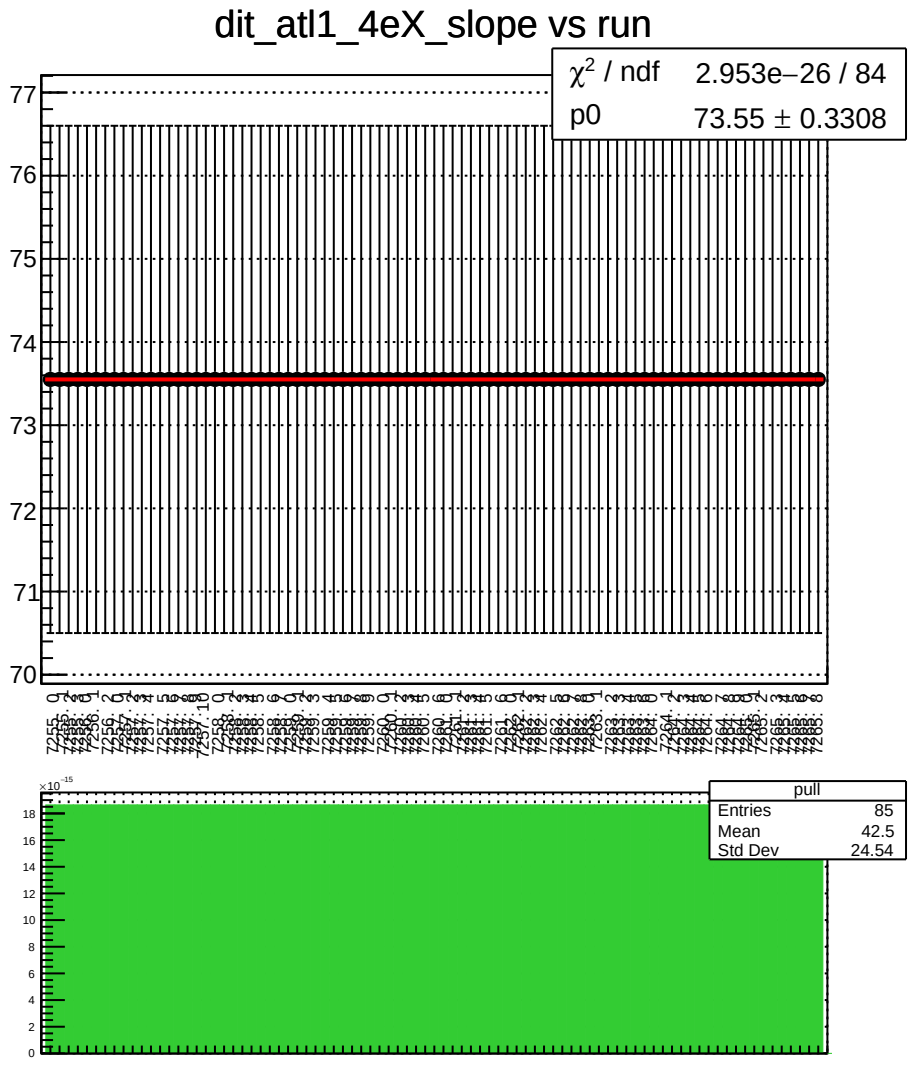

dit_usr_4aY_slope vs run
χ² / ndf 9.689e−25 / 84
p0 7.52 ± 0.02346
7.7
7.6
7.5
7.4
7.3
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 85
Mean −1.068e−13
Std Dev5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

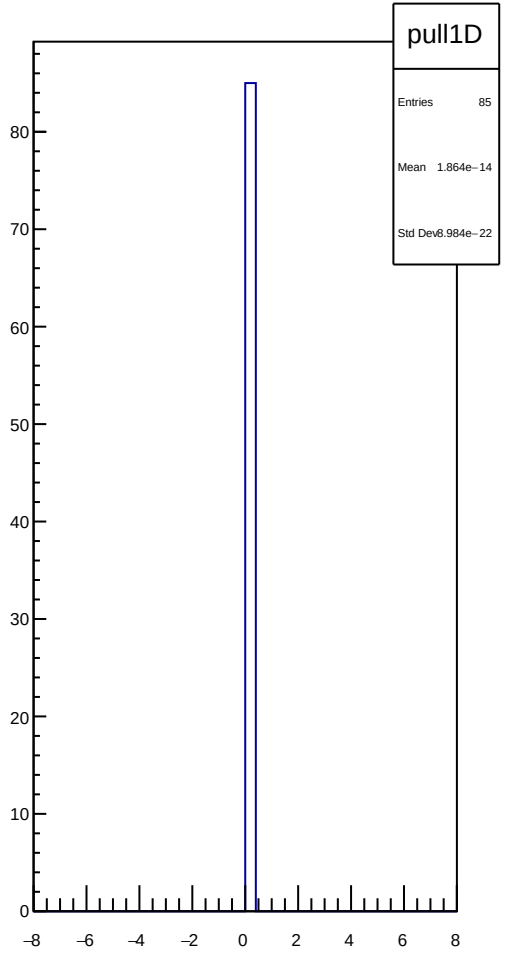

dit_usr_4eY_slope vs run
χ² / ndf 3.803e−26 / 84
p0 8.426 ± 0.02733
8.7
8.6
8.5
8.4
8.3
8.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20

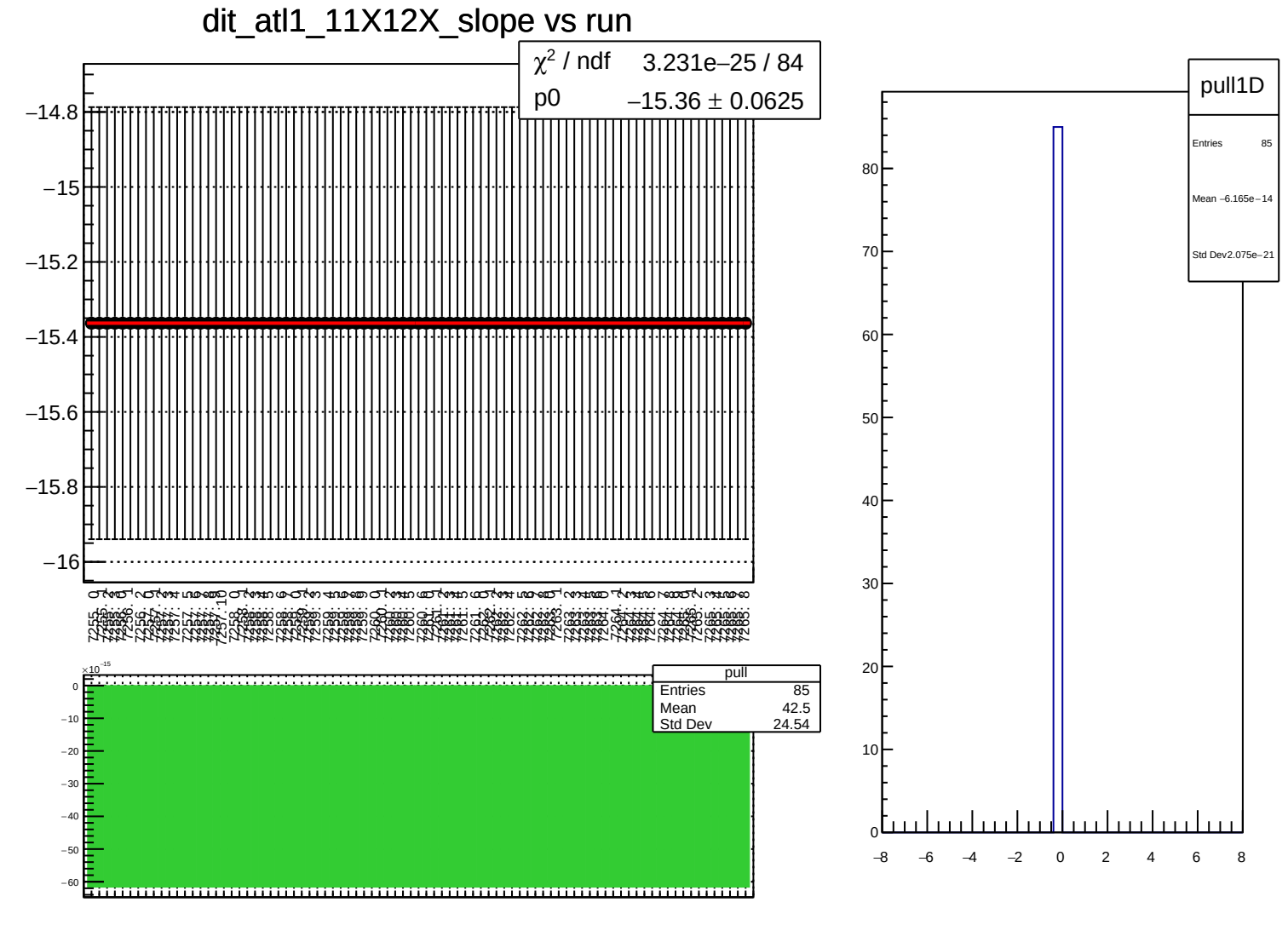

pull1D
Entries 85
Mean −2.115e−14
Std Dev1.235e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

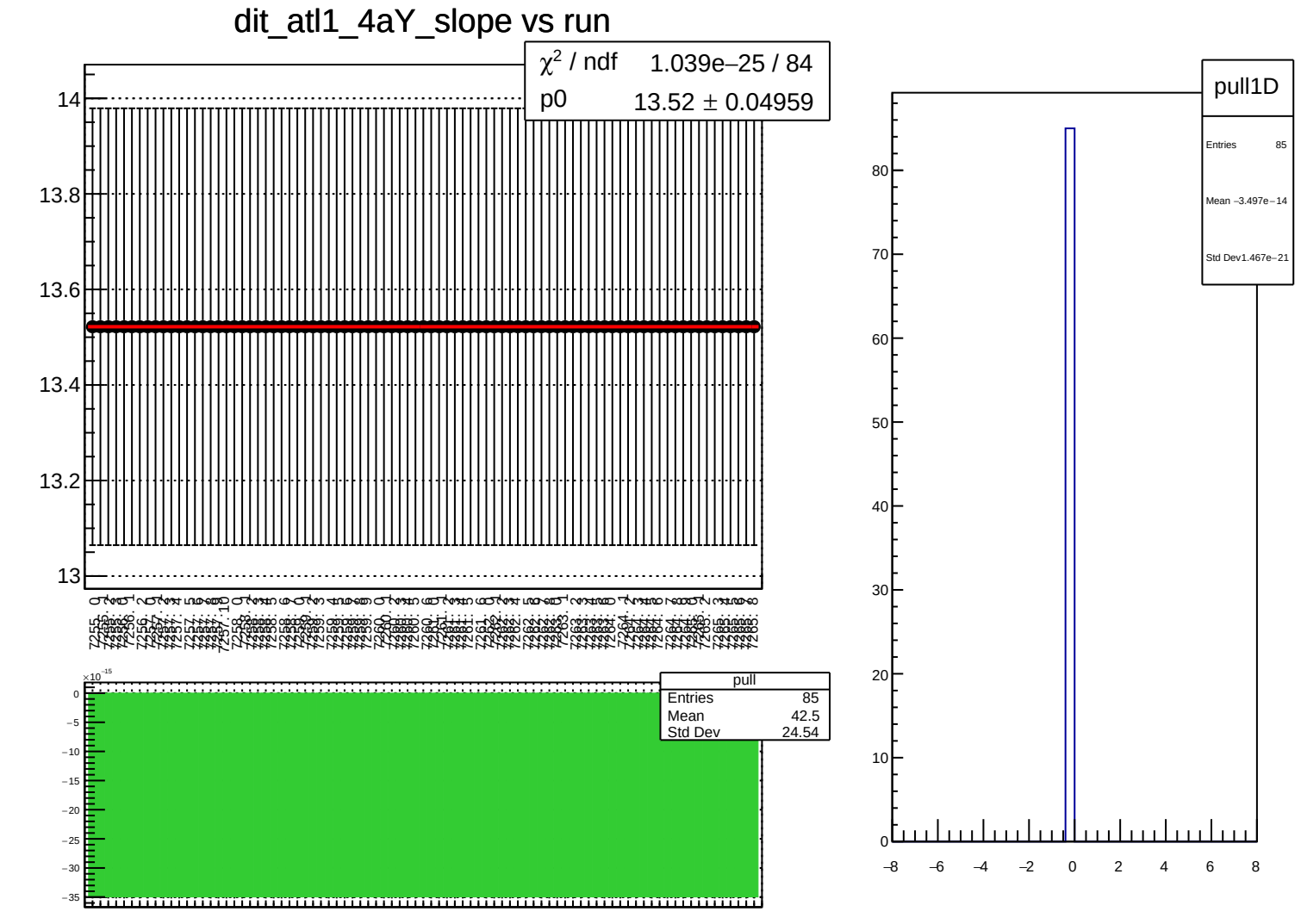

dit_atl1_4aX_slope vs run
χ² / ndf 4.228e−28 / 84
p0 −32.72 ± 0.3456
pull
Entries 85
Mean 42.5
Std Dev 24.54

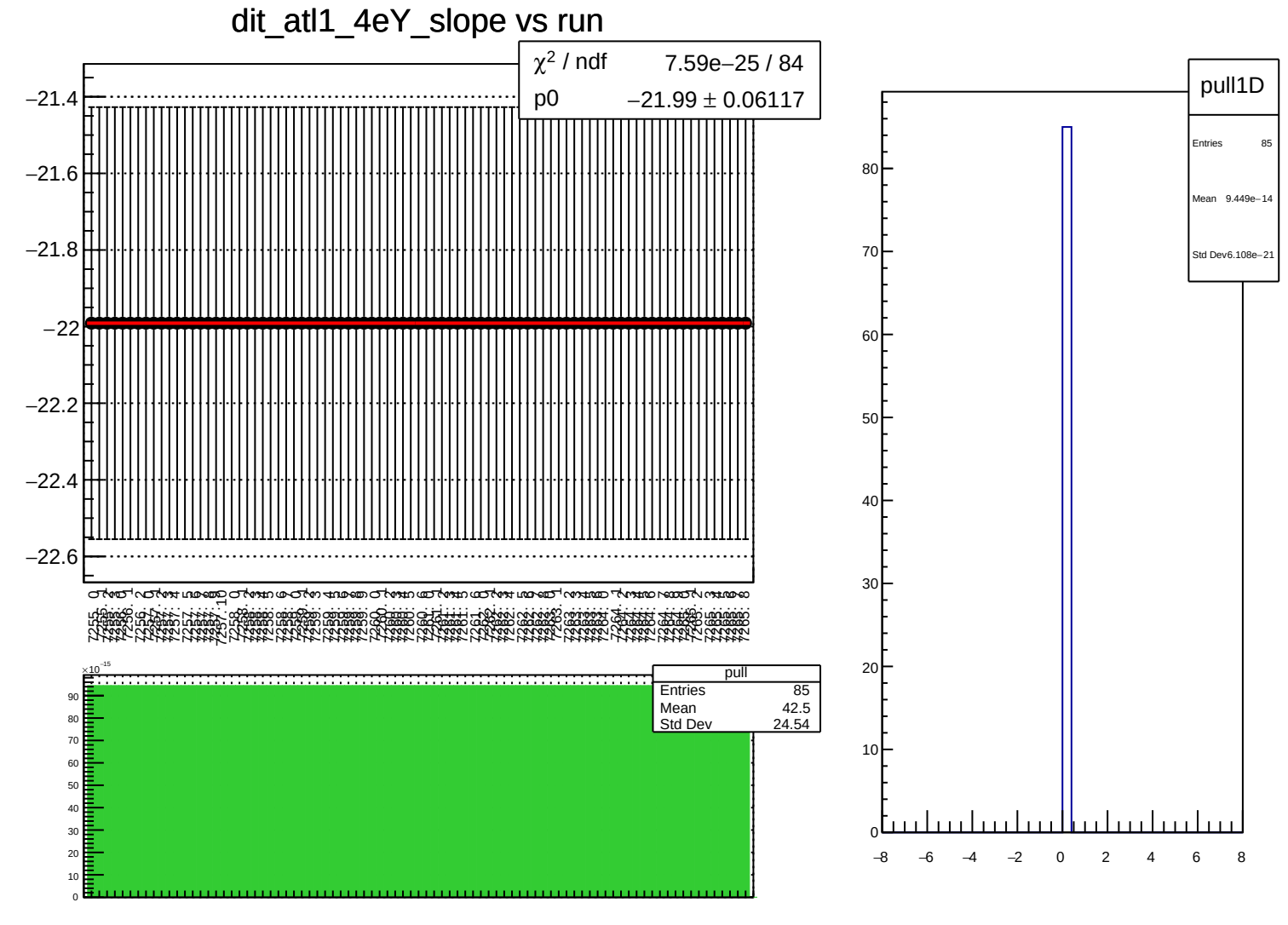

pull1D
Entries 85
Mean 2.23e−15
Std Dev1.474e−22

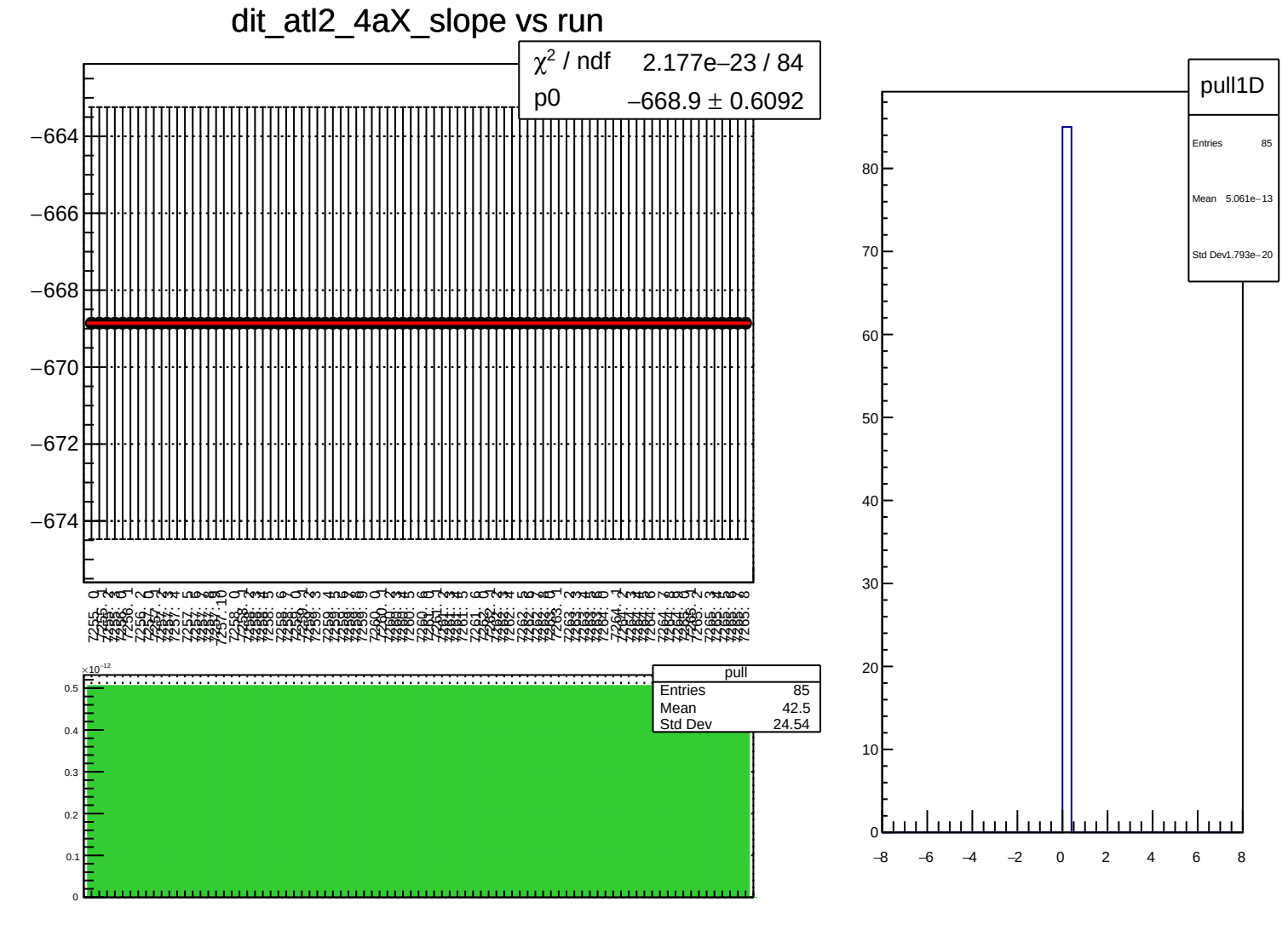

dit_atl1_4eX_slope vs run
χ^2 / ndf 2.953e−26 / 84
p0 73.55 ± 0.3308
77
76
75
74
73
72
71
70
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

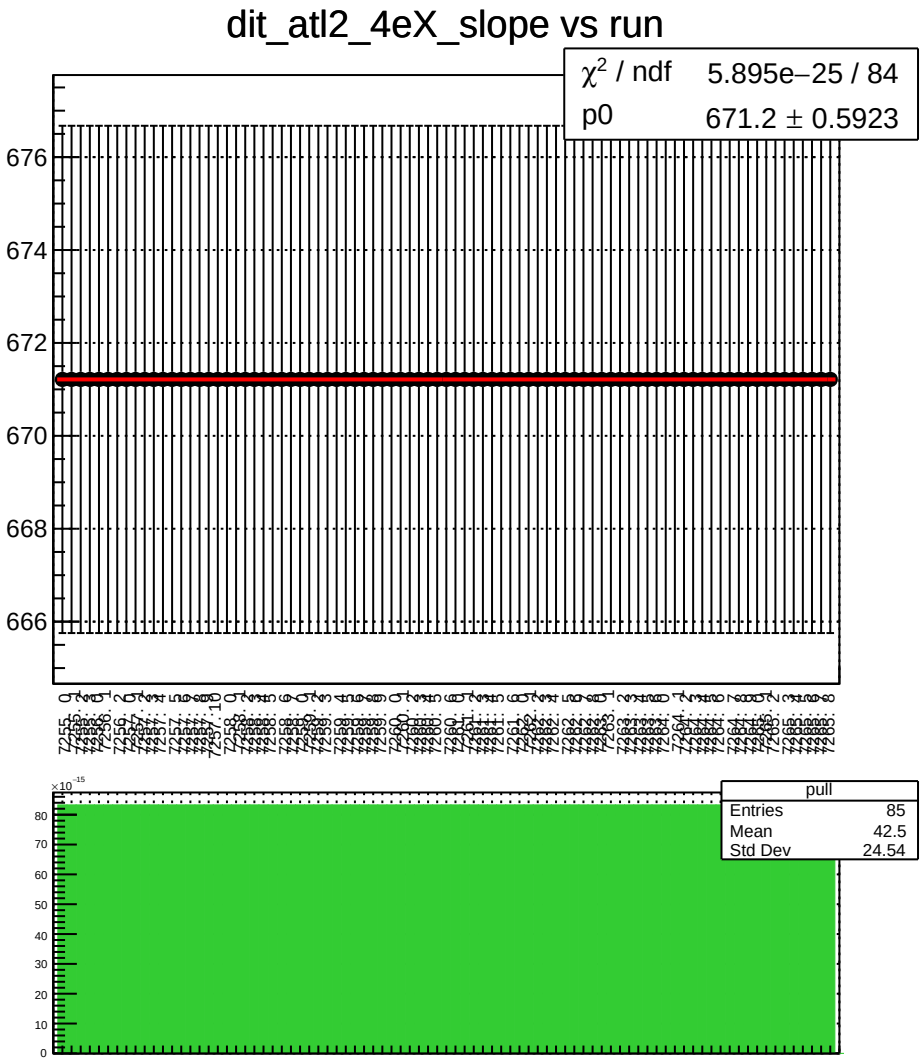

pull1D
Entries 85
Mean 1.864e−14
Std Dev 8.984e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

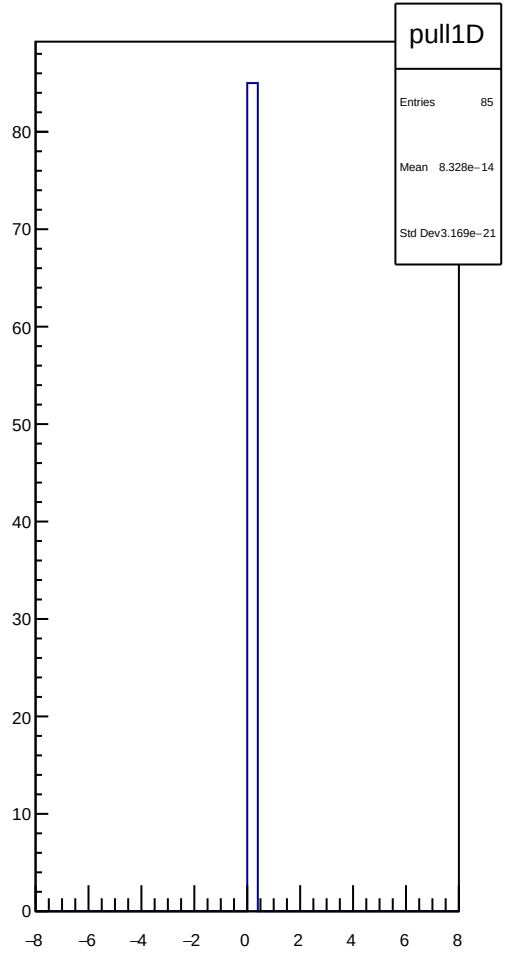

dit_atl1_11X12X_slope vs run
χ² / ndf 3.231e−25 / 84
p0 −15.36 ± 0.0625
−14.8
−15
−15.2
−15.4
−15.6
−15.8
−16
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 85
Mean −6.165e−14
Std Dev2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

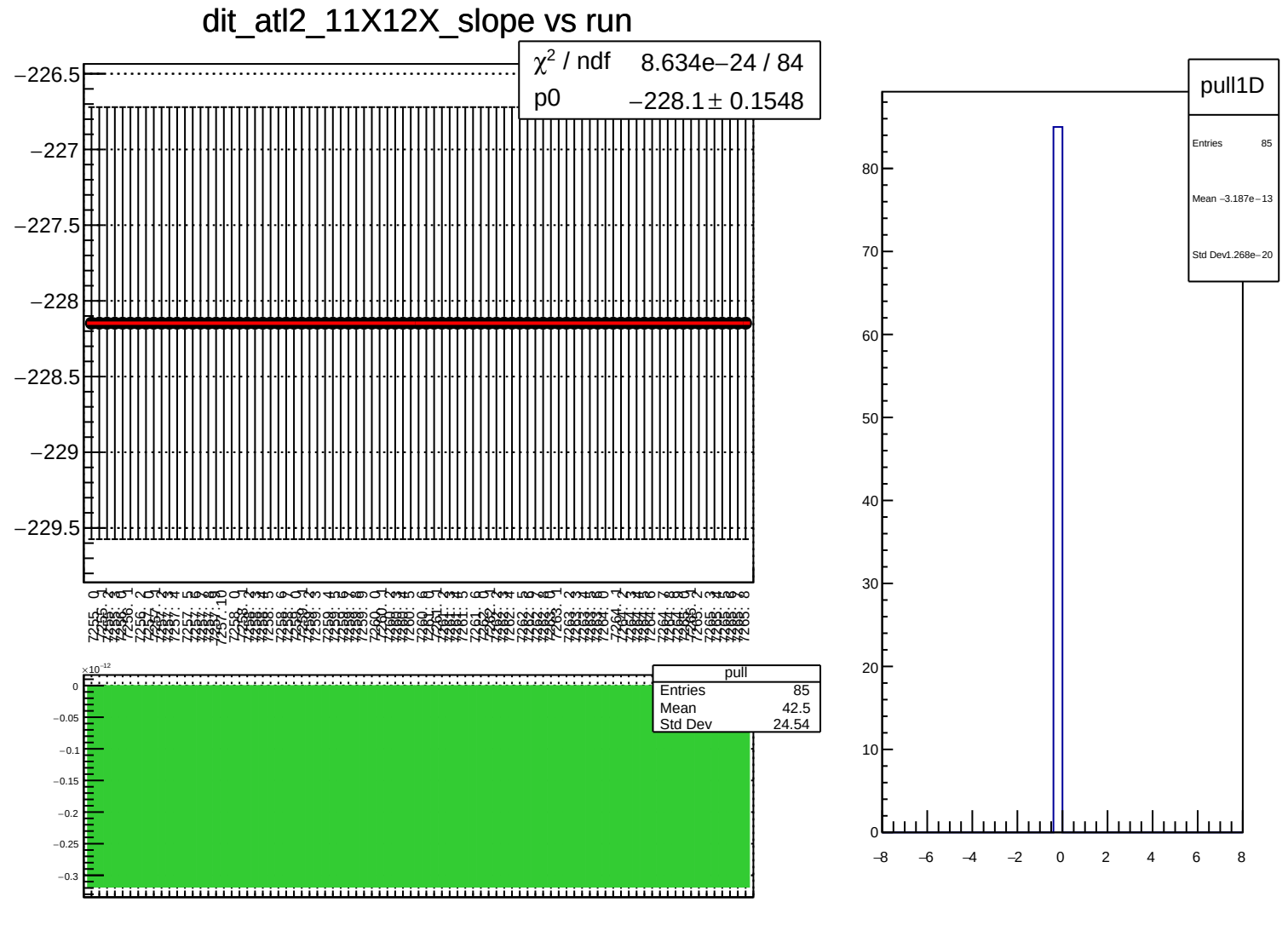

dit_atl1_4aY_slope vs run
χ² / ndf 1.039e−25 / 84
p0 13.52 ± 0.04959
14
13.8
13.6
13.4
13.2
13
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 85
Mean −3.497e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

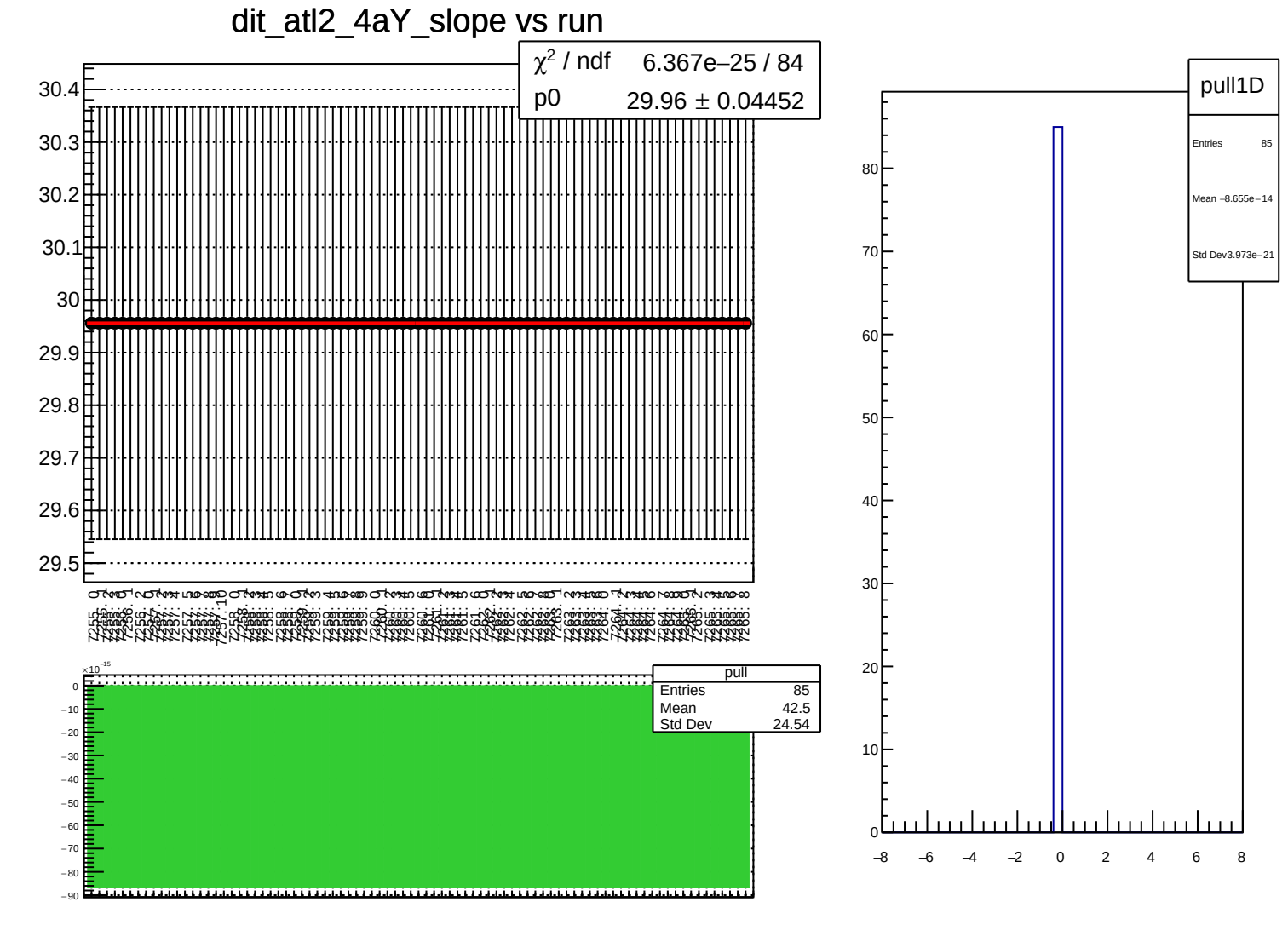

dit_atl1_4eY_slope vs run
χ² / ndf 7.59e−25 / 84
p0 −21.99 ± 0.06117
−21.4
−21.6
−21.8
−22
−22.2
−22.4
−22.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 9.449e−14
Std Dev6.108e−21

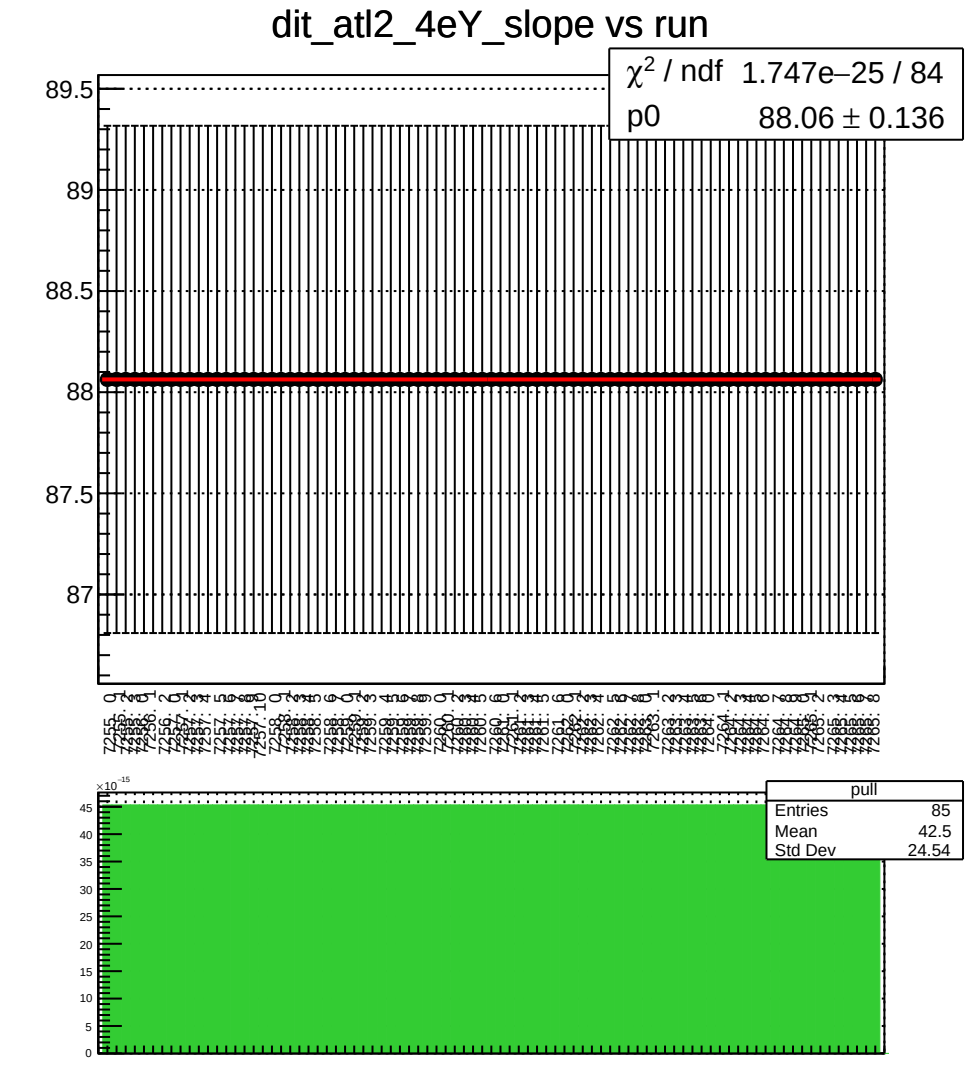

dit_atl2_4aX_slope vs run
χ² / ndf 2.177e−23 / 84
p0 −668.9 ± 0.6092
−664
−666
−668
−670
−672
−674
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 85
Mean 5.061e−13
Std Dev1.793e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

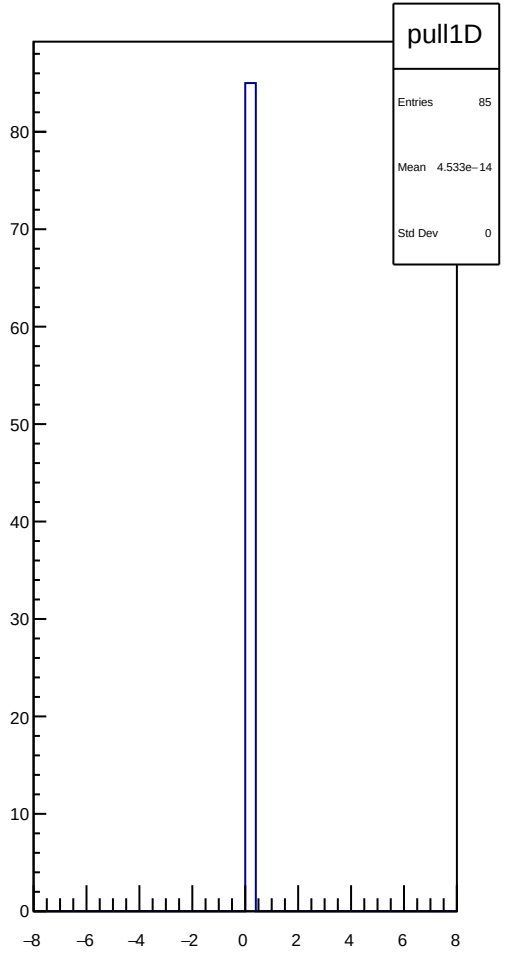

dit_atl2_4eX_slope vs run
χ² / ndf 5.895e−25 / 84
p0 671.2 ± 0.5923
676
674
672
670
668
666
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

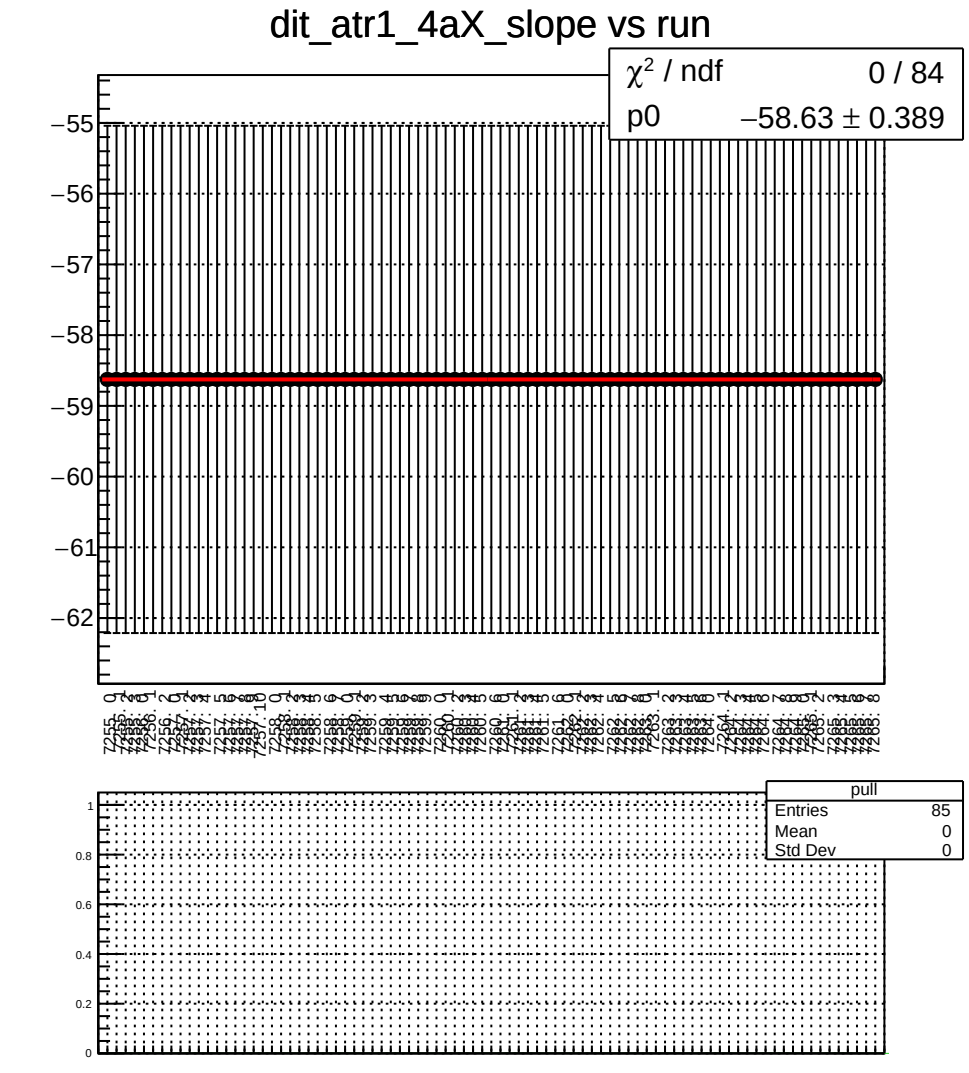

pull1D
Entries 85
Mean 8.328e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

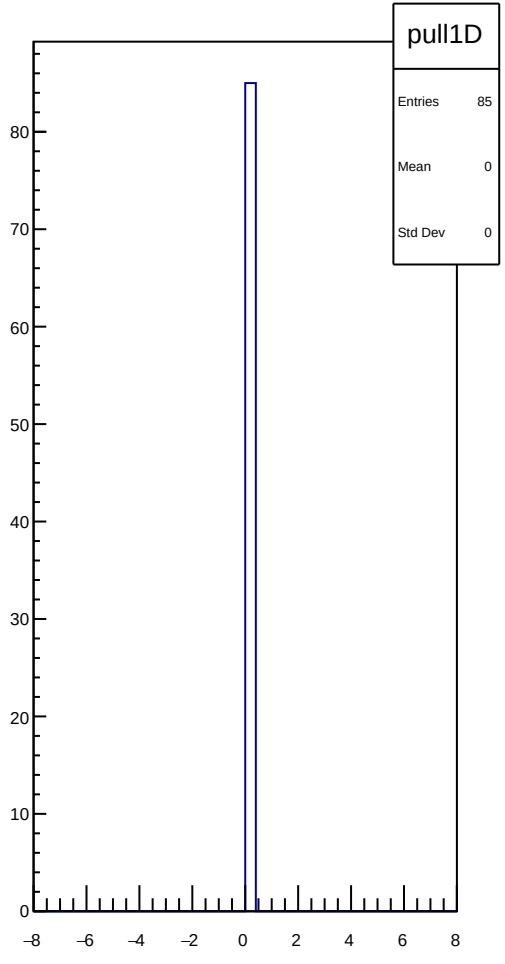

dit_atl2_11X12X_slope vs run
χ² / ndf 8.634e−24 / 84
p0 −228.1 ± 0.1548
−226.5
−227
−227.5
−228
−228.5
−229
−229.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 85
Mean −3.187e−13
Std Dev1.268e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

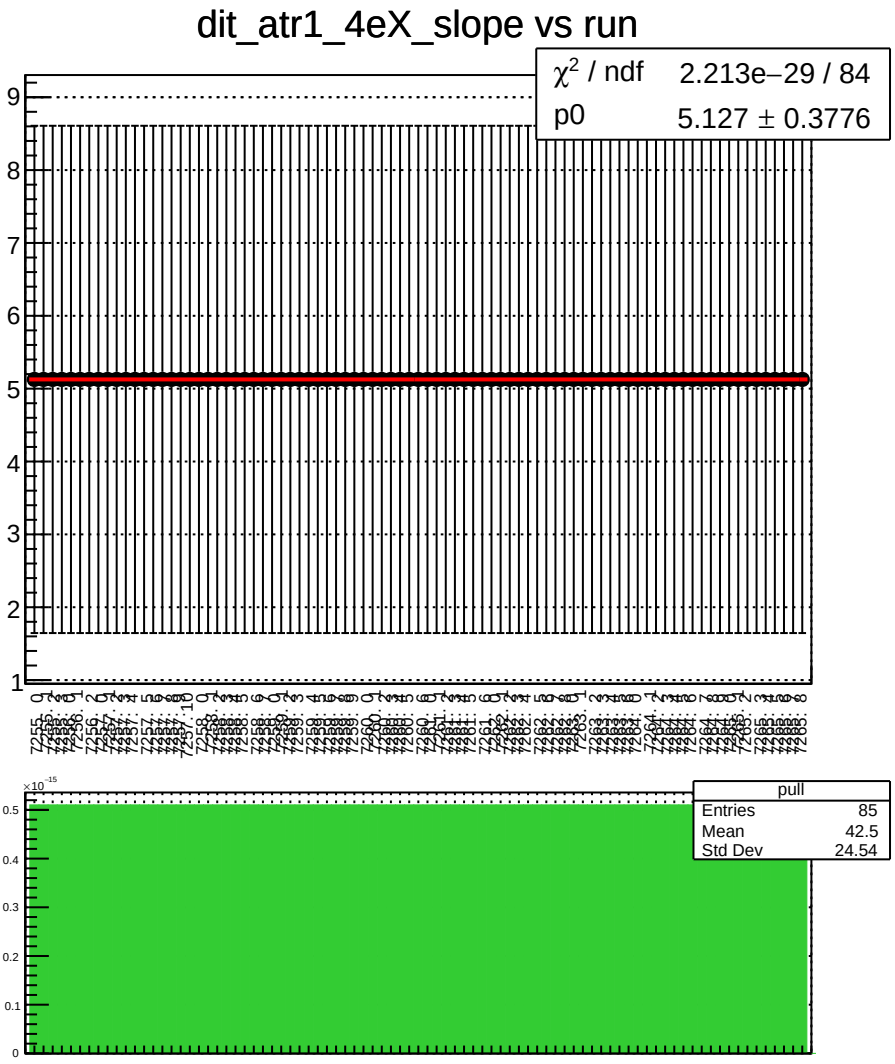

dit_atl2_4aY_slope vs run
χ² / ndf 6.367e−25 / 84
p0 29.96 ± 0.04452
30.4
30.3
30.2
30.1
30
29.9
29.8
29.7
29.6
29.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull1D
Entries 85
Mean −8.655e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

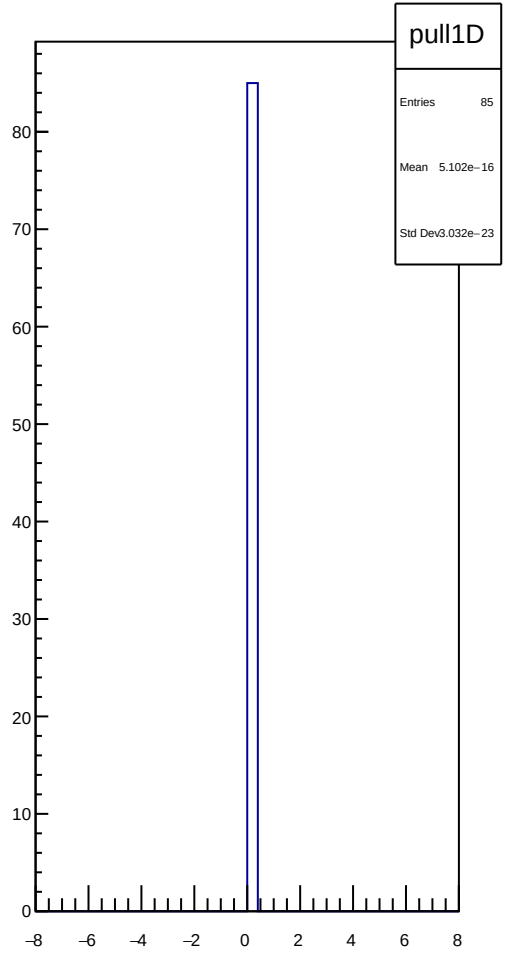

dit_atl2_4eY_slope vs run
χ^2 / ndf 1.747e−25 / 84
p0 88.06 ± 0.136
89.5
89
88.5
88
87.5
87
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

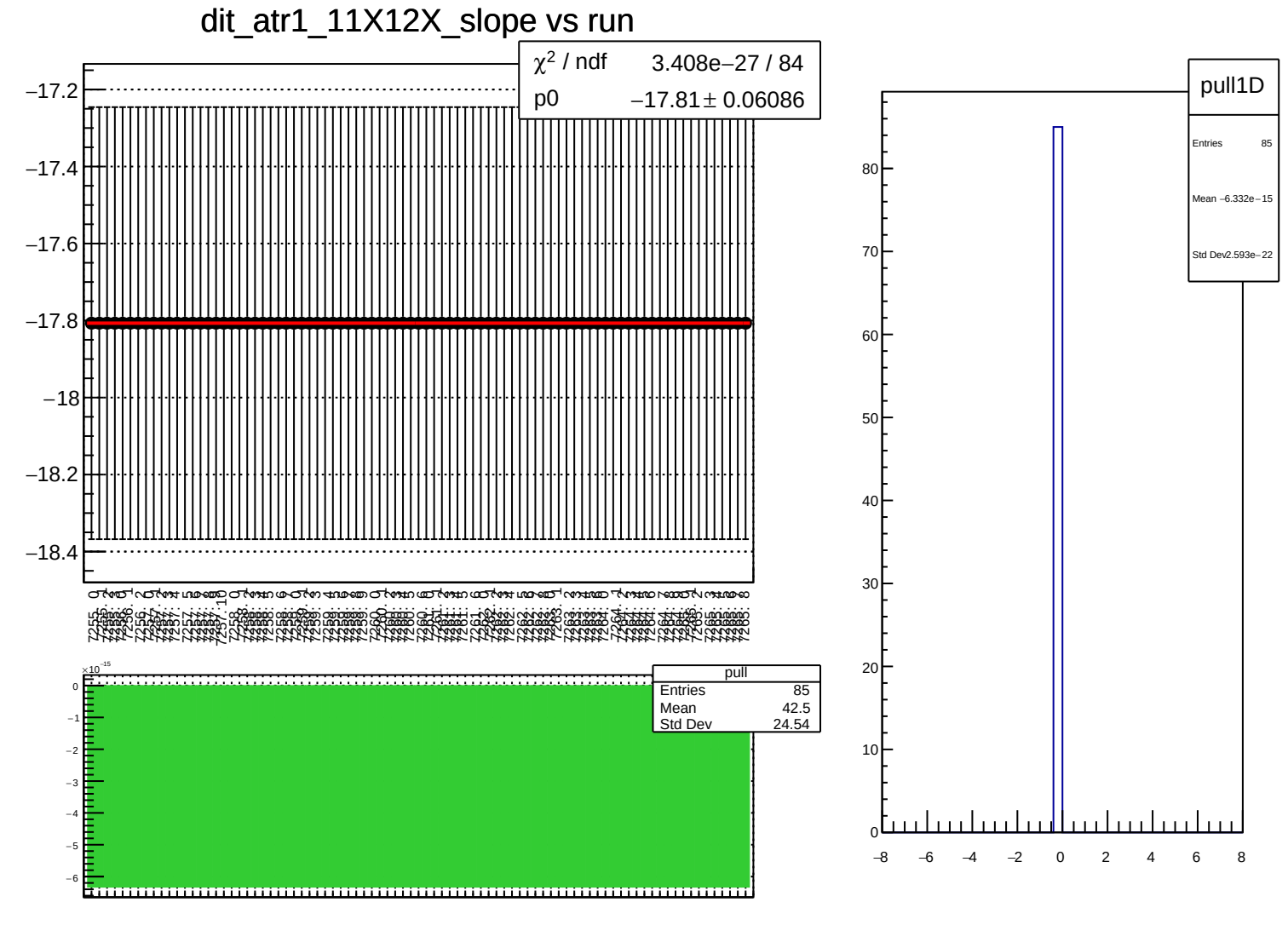

pull1D
Entries 85
Mean 4.533e−14
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

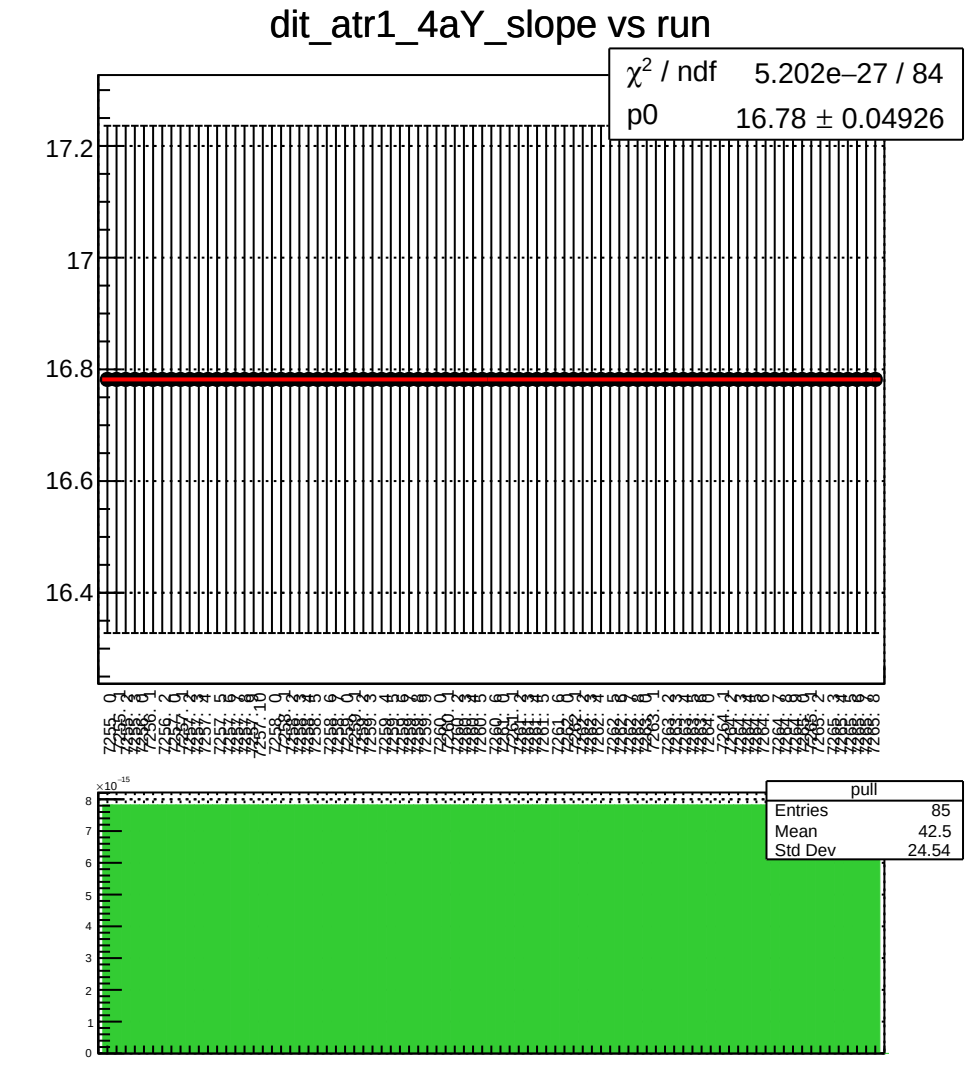

dit_atr1_4aX_slope vs run
χ² / ndf 0 / 84
p0 −58.63 ± 0.389
−55
−56
−57
−58
−59
−60
−61
−62
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

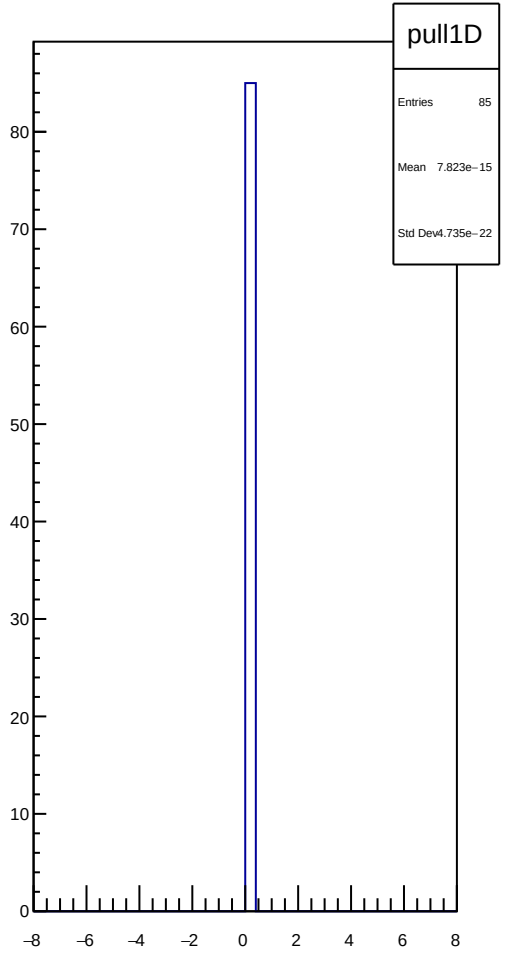

pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

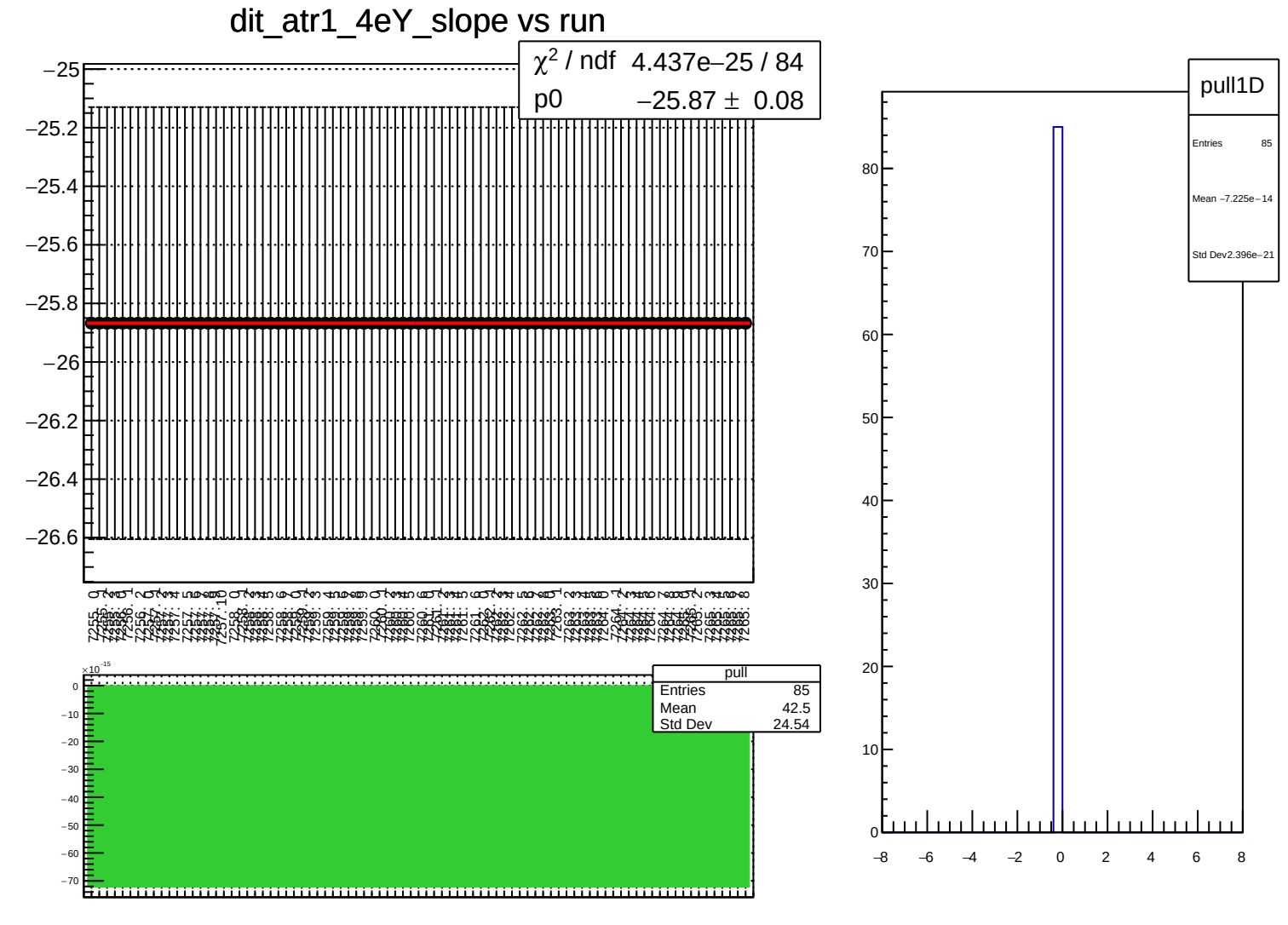

dit_atr1_4eX_slope vs run
χ² / ndf 2.213e−29 / 84
p0 5.127 ± 0.3776
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵

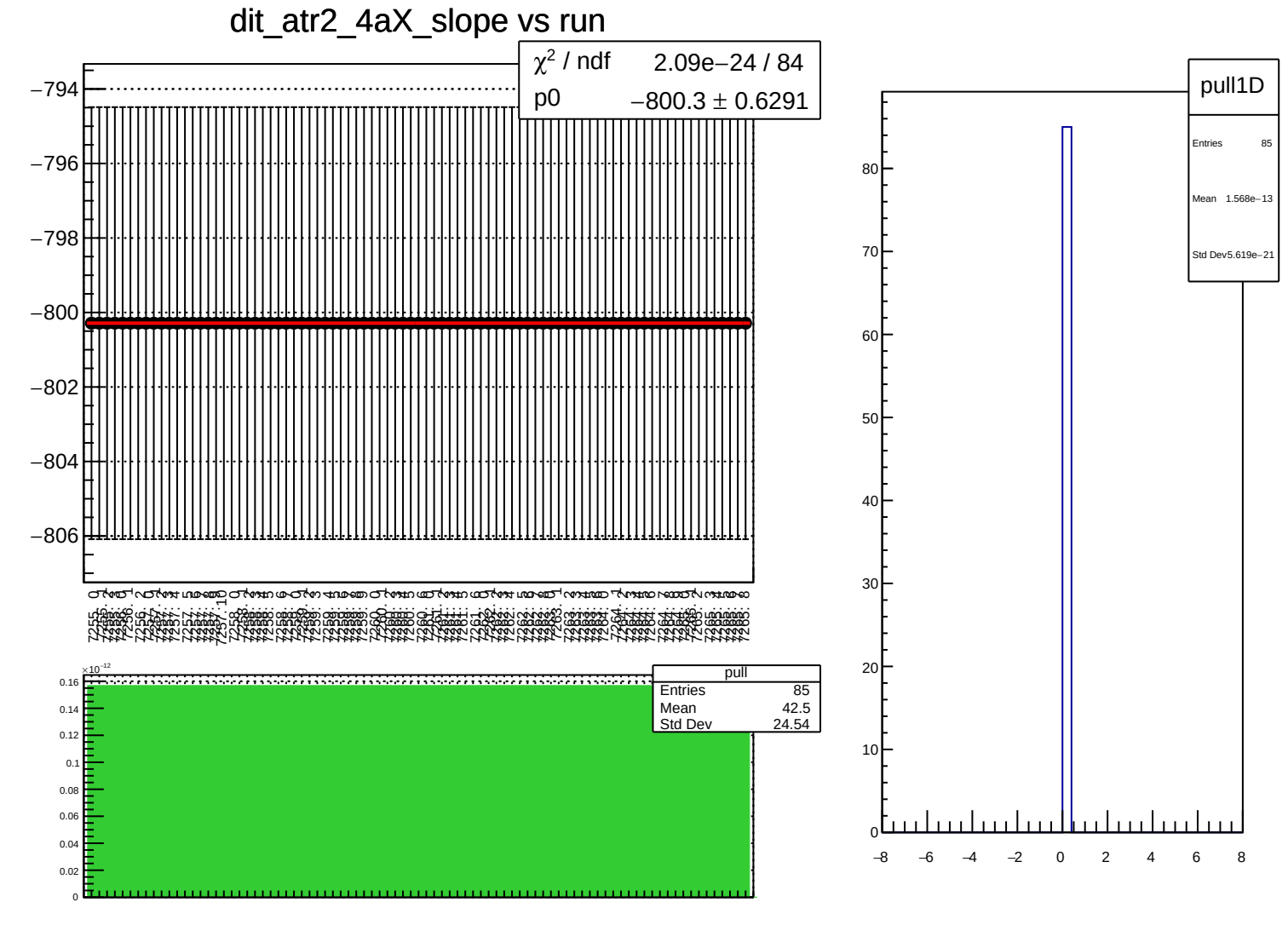

pull1D
Entries 85
Mean 5.102e−16
Std Dev3.032e−23

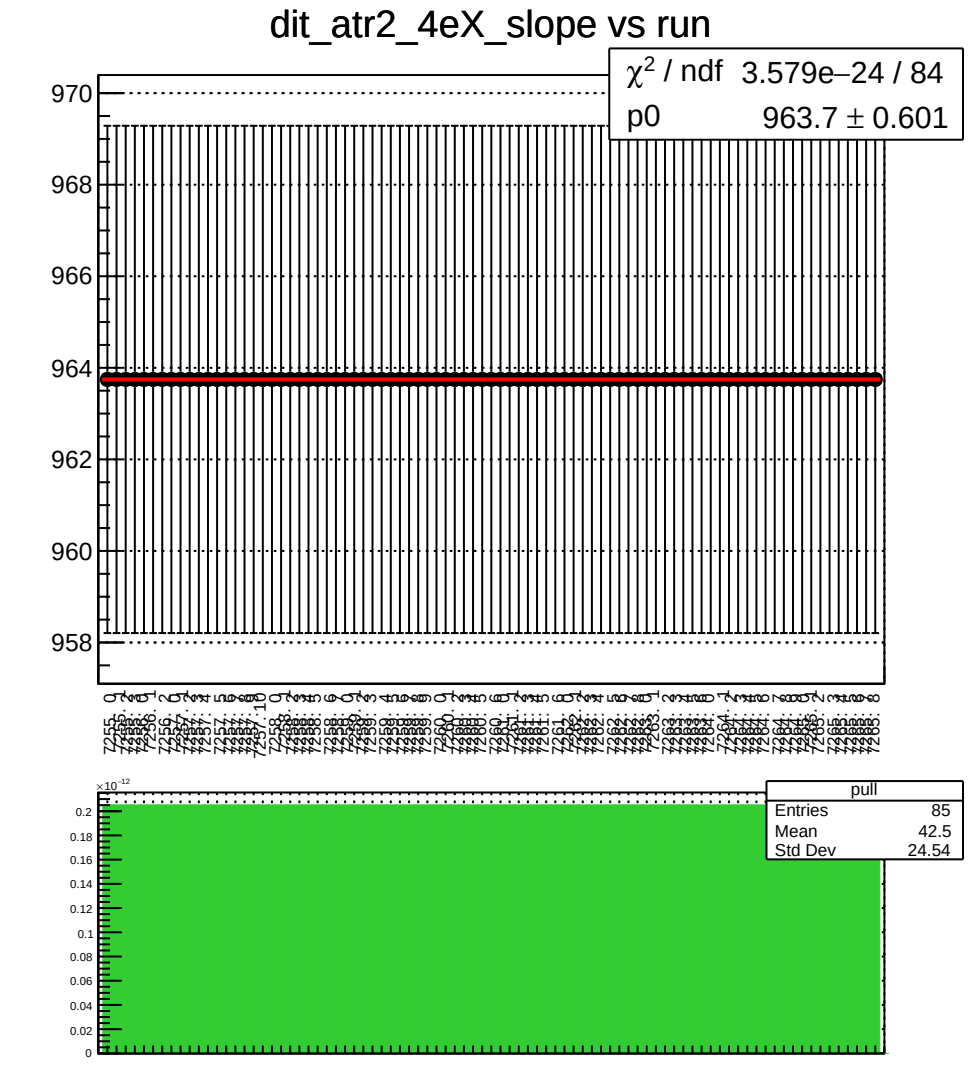

dit_atr1_11X12X_slope vs run
χ² / ndf 3.408e−27 / 84
p0 −17.81 ± 0.06086
−17.2
−17.4
−17.6
−17.8
−18
−18.2
−18.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
pull1D
Entries 85
Mean −6.332e−15
Std Dev 2.593e−22

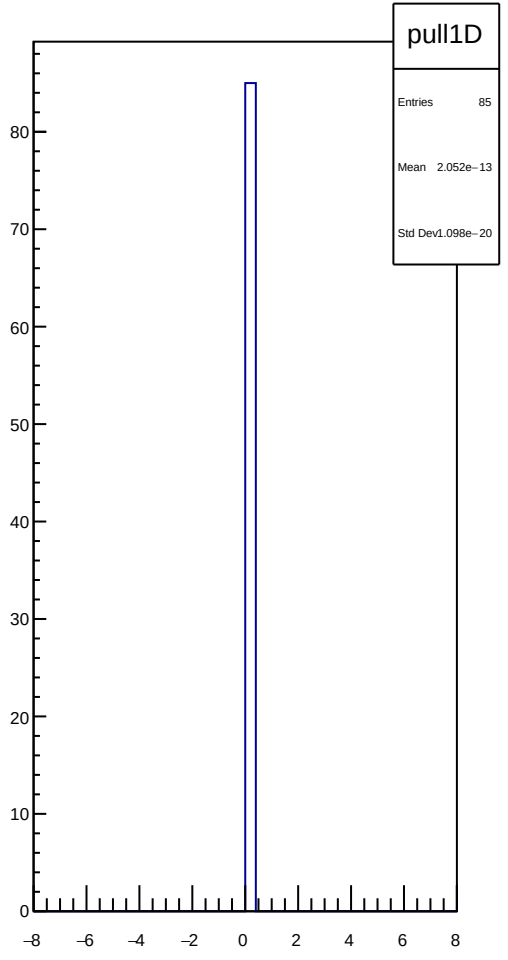

dit_atr1_4aY_slope vs run
χ^2 / ndf 5.202e−27 / 84
p0 16.78 ± 0.04926
17.2
17
16.8
16.6
16.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵

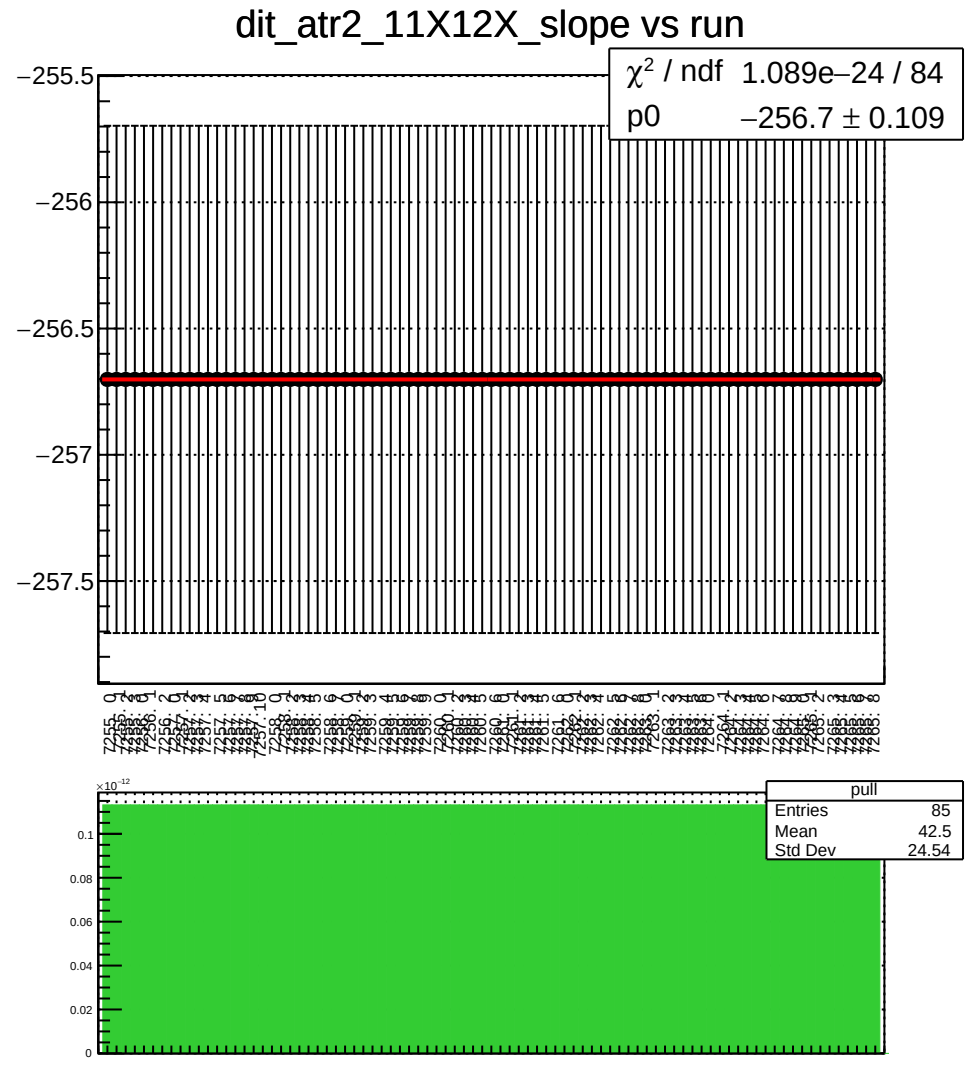

pull1D
Entries 85
Mean 7.823e−15
Std Dev 4.735e−22

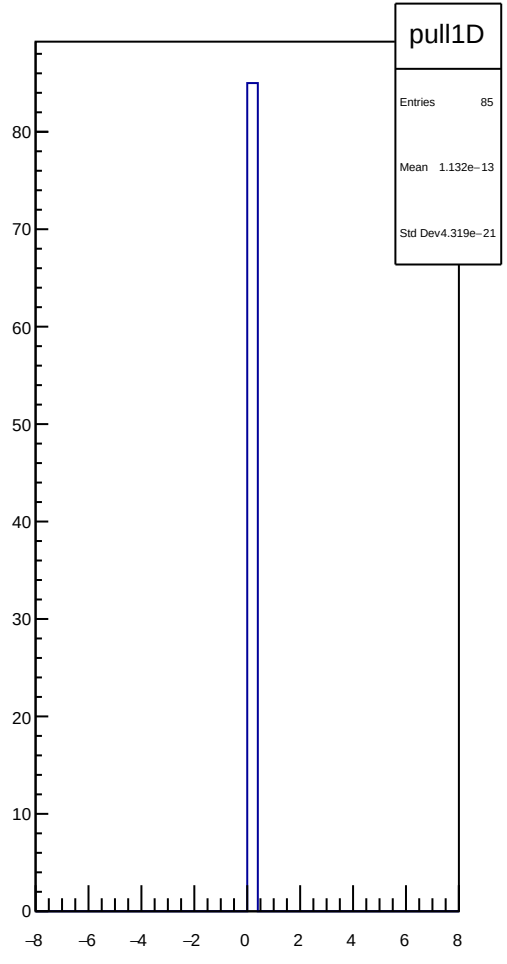

dit_atr1_4eY_slope vs run
χ² / ndf 4.437e−25 / 84
p0 −25.87 ± 0.08
−25
−25.2
−25.4
−25.6
−25.8
−26
−26.2
−26.4
−26.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 85
Mean −7.225e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

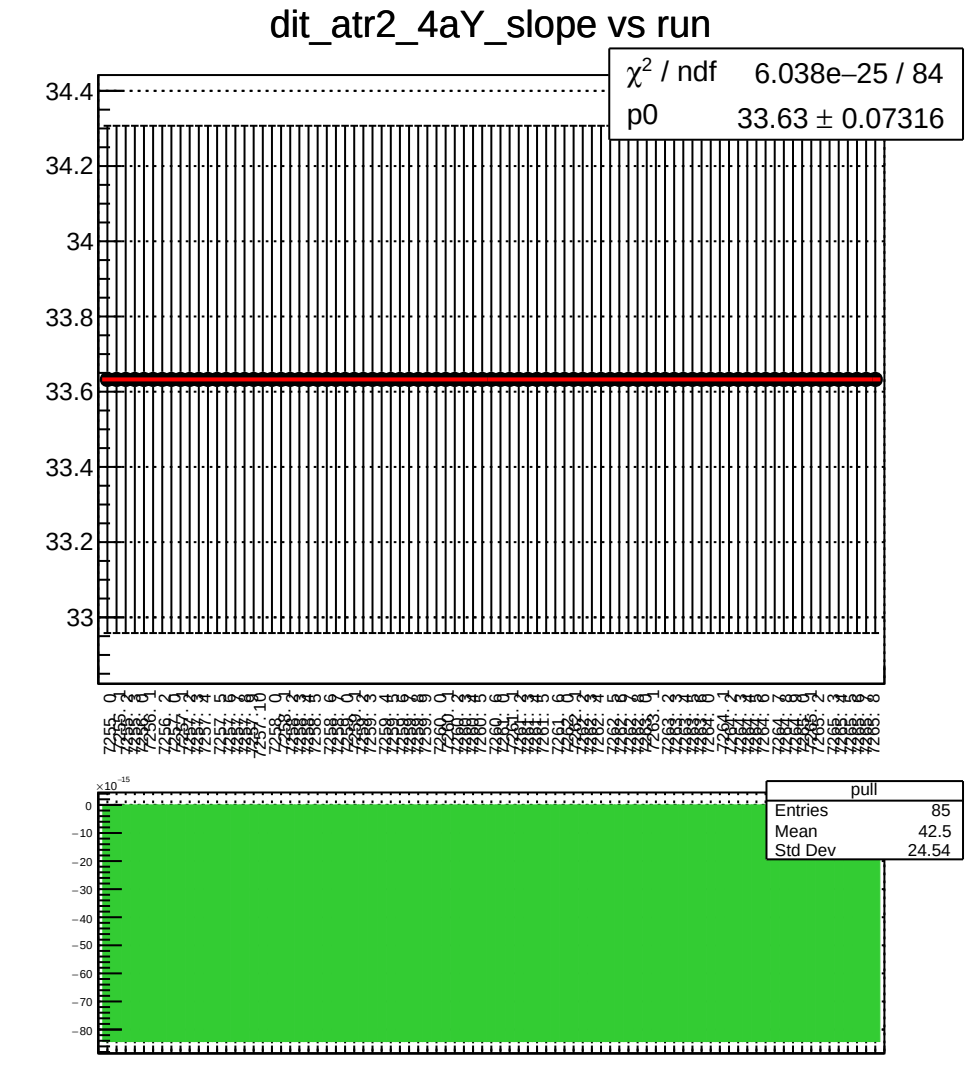

dit_atr2_4aX_slope vs run
χ² / ndf 2.09e−24 / 84
p0 −800.3 ± 0.6291
−794
−796
−798
−800
−802
−804
−806
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 85
Mean 1.568e−13
Std Dev5.619e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

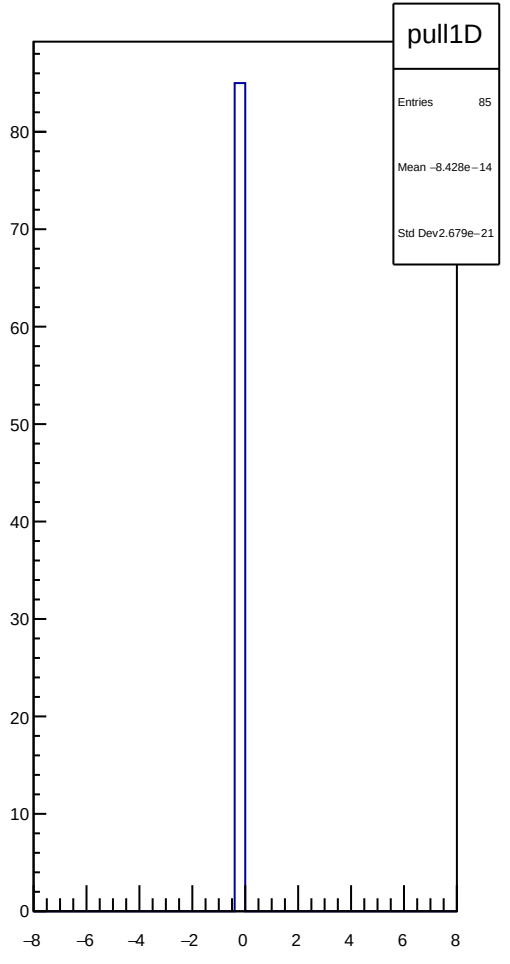

dit_atr2_4eX_slope vs run
χ² / ndf 3.579e−24 / 84
p0 963.7 ± 0.601
970
968
966
964
962
960
958
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

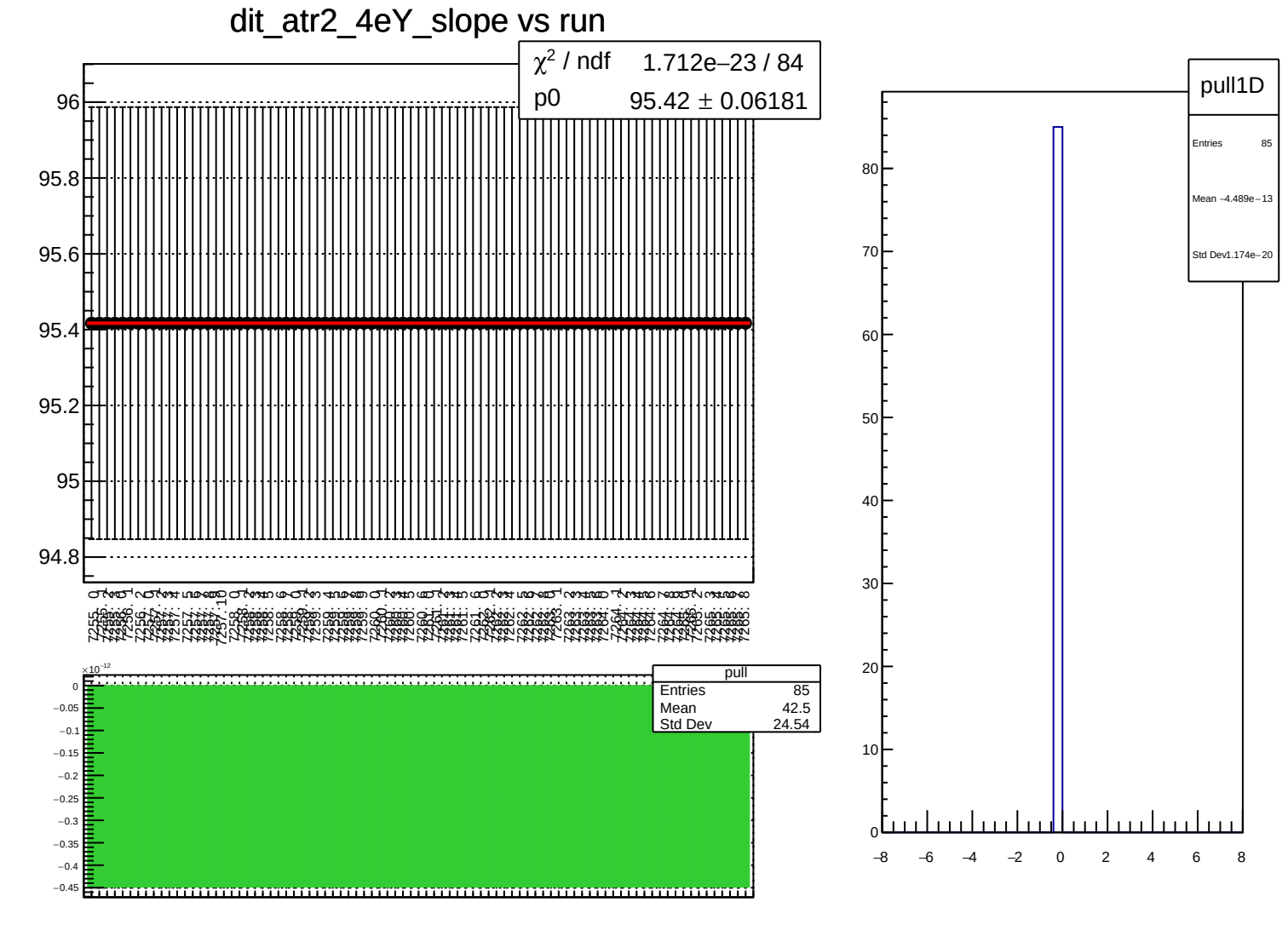

pull1D
Entries 85
Mean 2.052e−13
Std Dev1.098e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

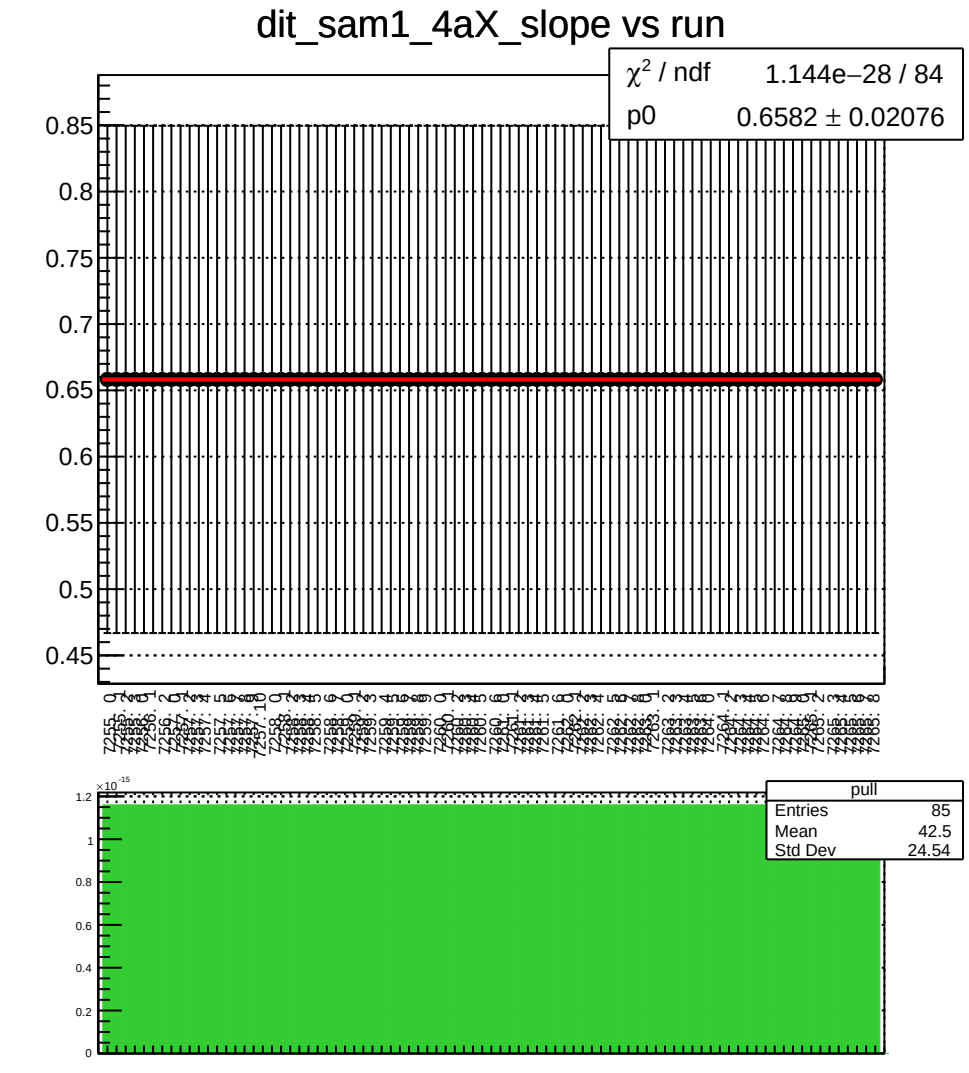

dit_atr2_11X12X_slope vs run
χ² / ndf 1.089e−24 / 84
p0 −256.7 ± 0.109
−255.5
−256
−256.5
−257
−257.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

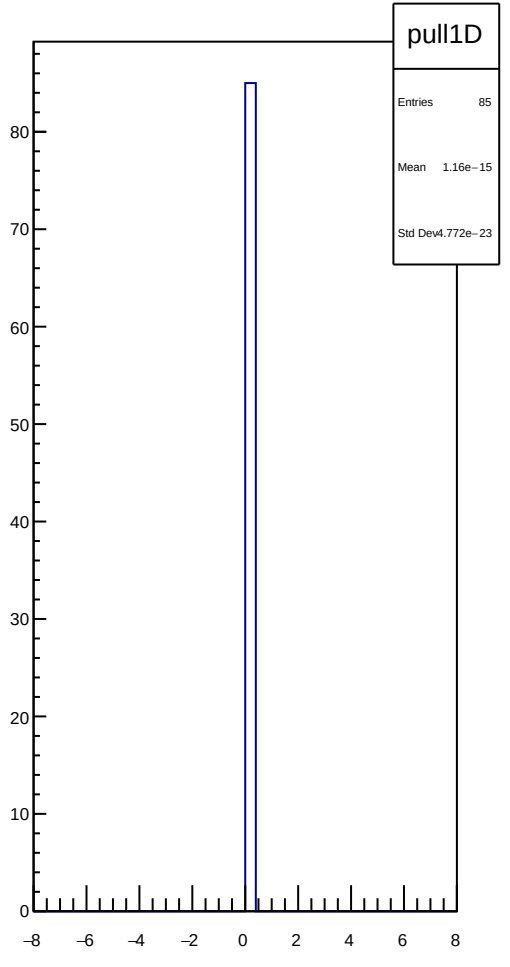

pull1D
Entries 85
Mean 1.132e−13
Std Dev4.319e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

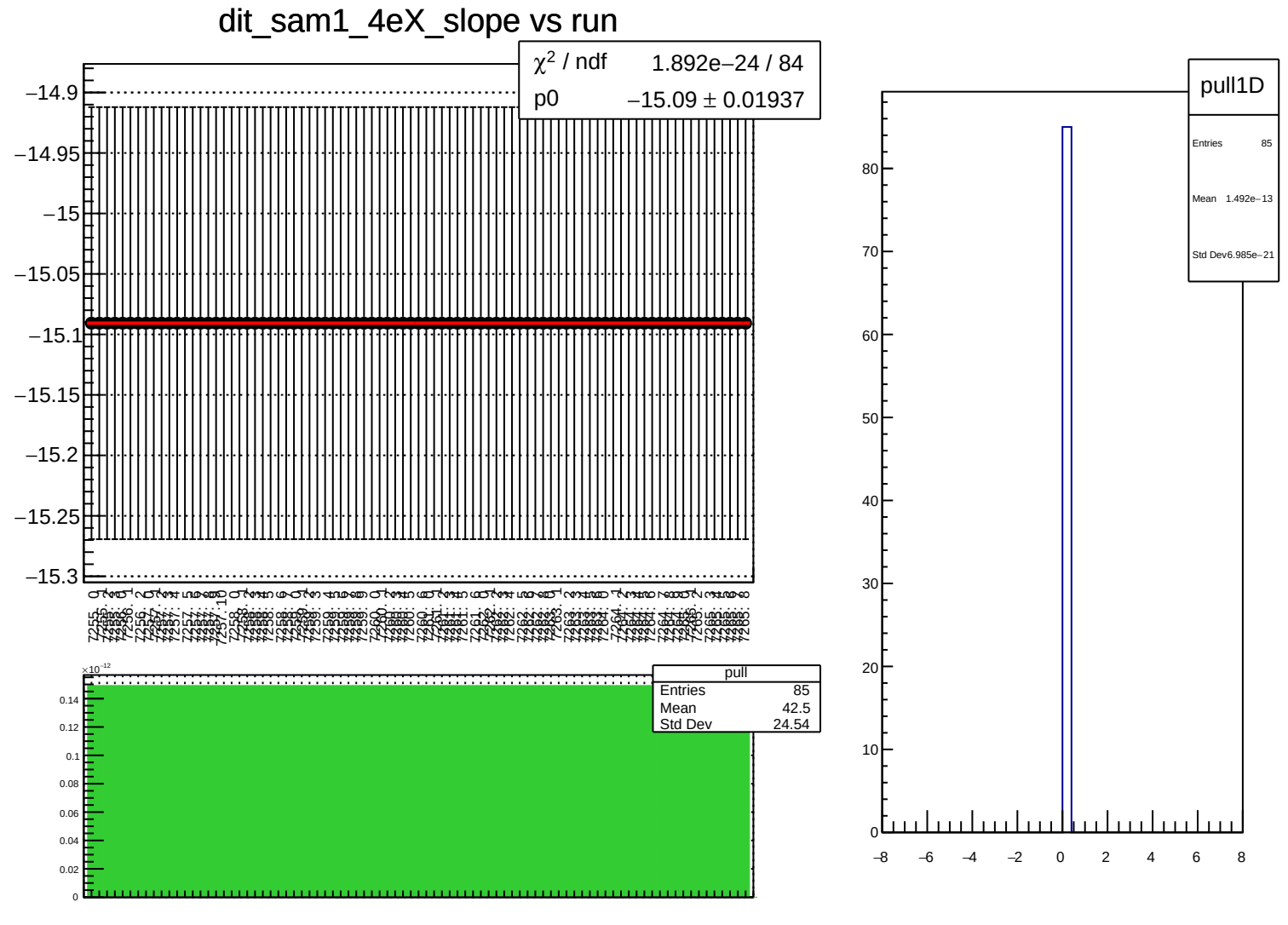

dit_atr2_4aY_slope vs run
χ² / ndf 6.038e−25 / 84
p0 33.63 ± 0.07316
34.4
34.2
34
33.8
33.6
33.4
33.2
33
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80

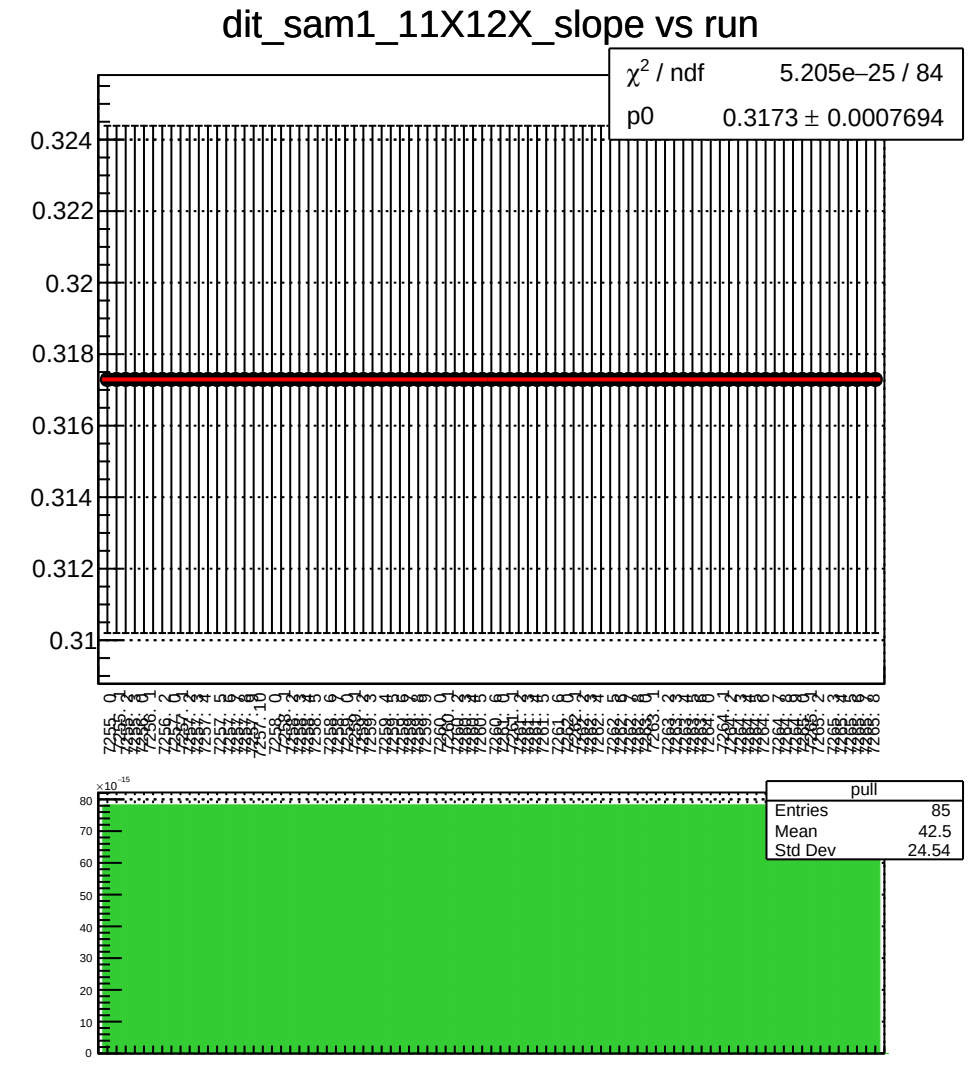

pull1D
Entries 85
Mean −8.428e−14
Std Dev2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

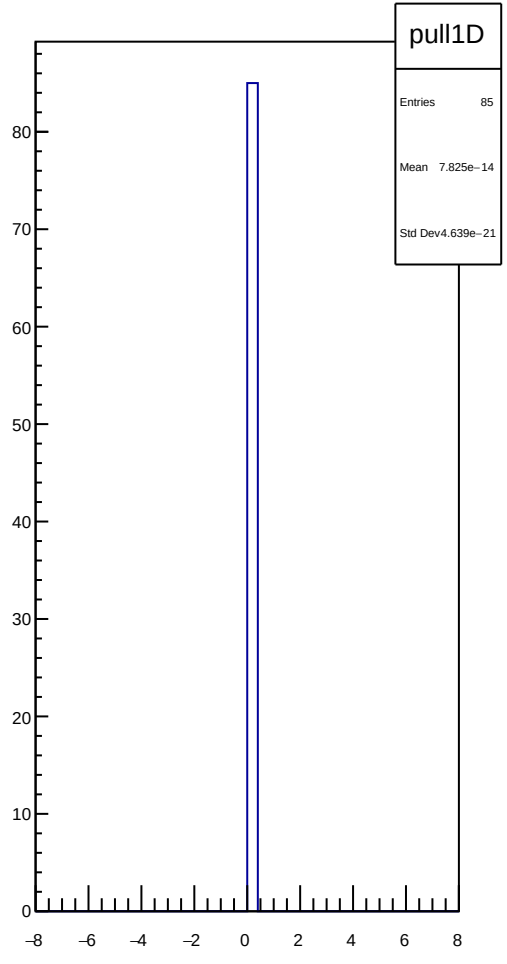

dit_atr2_4eY_slope vs run
χ² / ndf 1.712e−23 / 84
p0 95.42 ± 0.06181
96
95.8
95.6
95.4
95.2
95
94.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
−0.45
pull1D
Entries 85
Mean −4.489e−13
Std Dev1.174e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

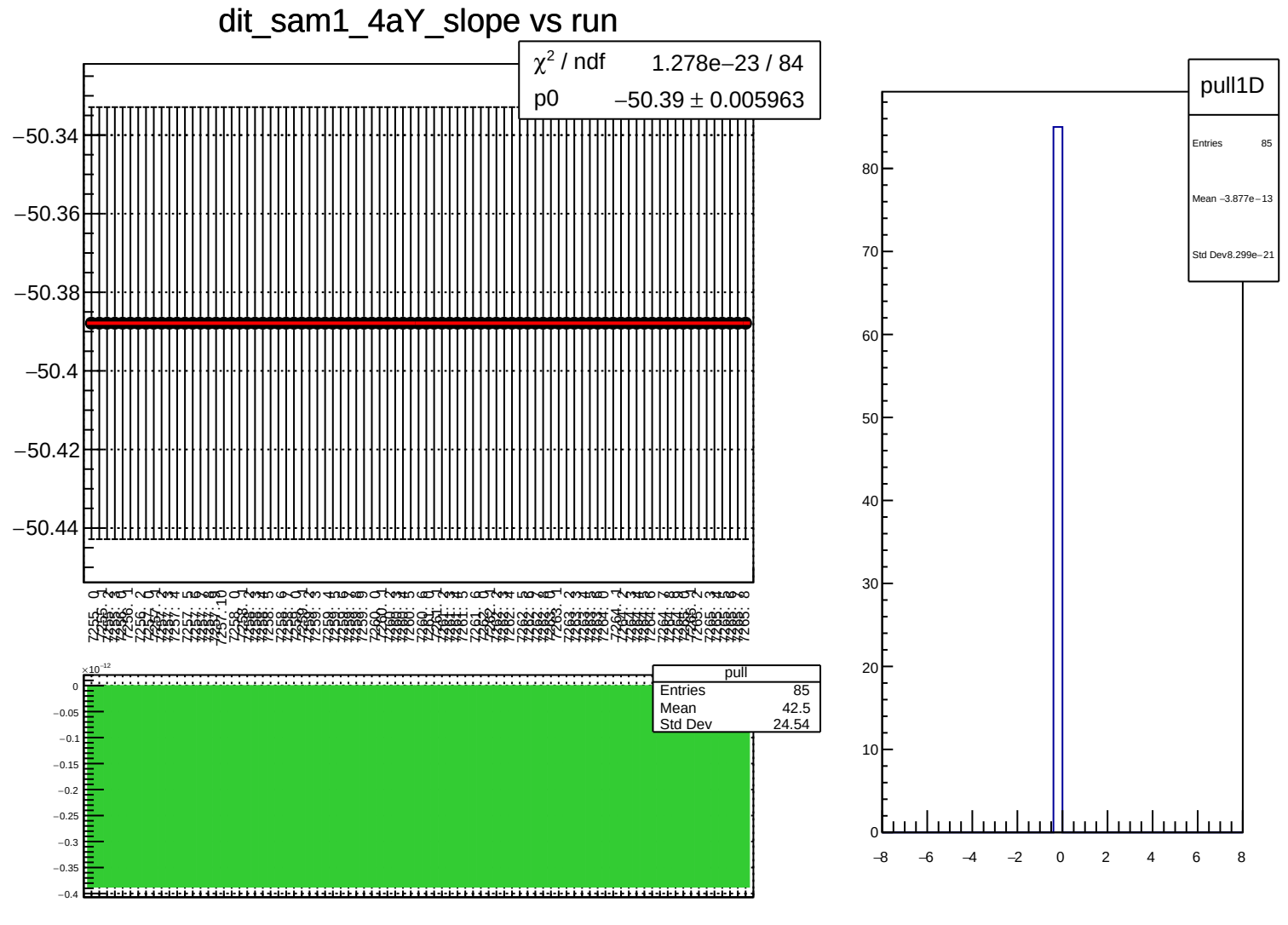

dit_sam1_4aX_slope vs run
χ² / ndf 1.144e−28 / 84
p0 0.6582 ± 0.02076
0.85
0.8
0.75
0.7
0.65
0.6
0.55
0.5
0.45
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
1.2
1
0.8
0.6
0.4
0.2
0

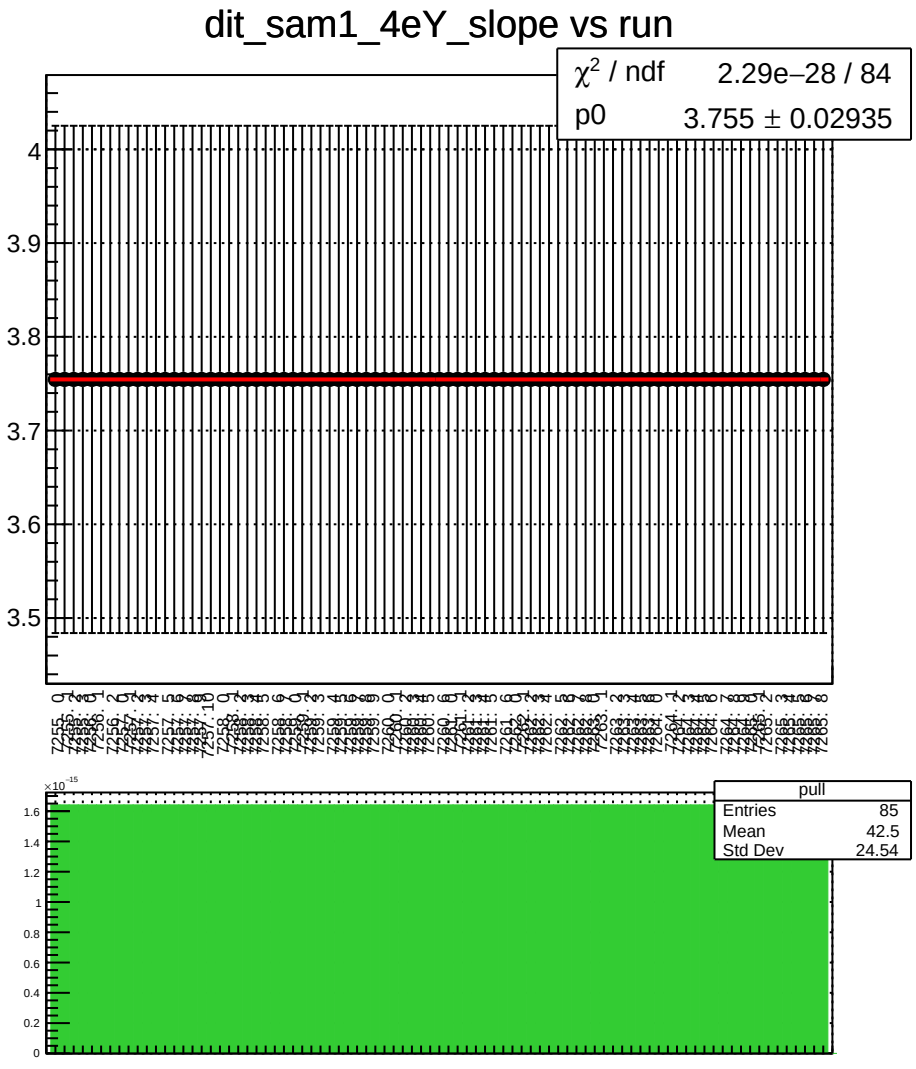

pull1D
Entries 85
Mean 1.16e−15
Std Dev 4.772e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

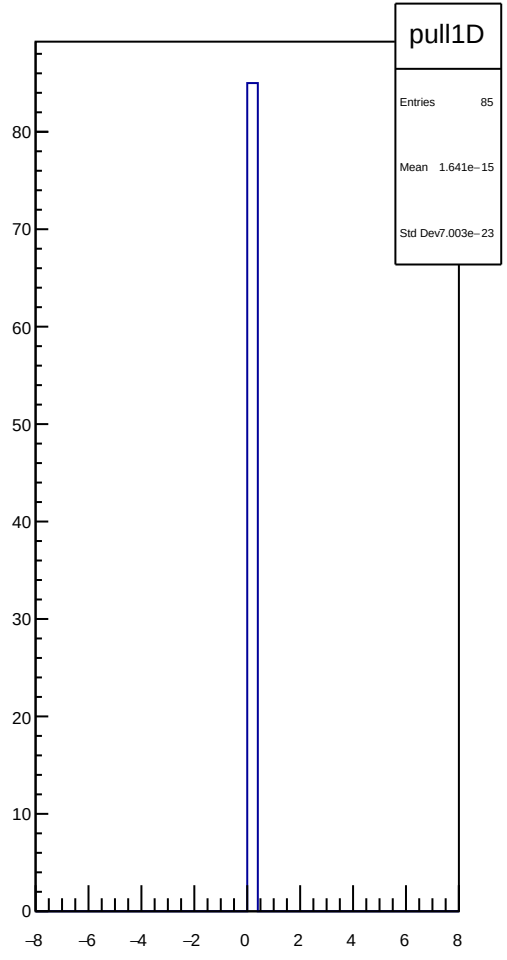

dit_sam1_4eX_slope vs run
χ² / ndf 1.892e−24 / 84
p0 −15.09 ± 0.01937
−14.9
−14.95
−15
−15.05
−15.1
−15.15
−15.2
−15.25
−15.3
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 85
Mean 1.492e−13
Std Dev6.985e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

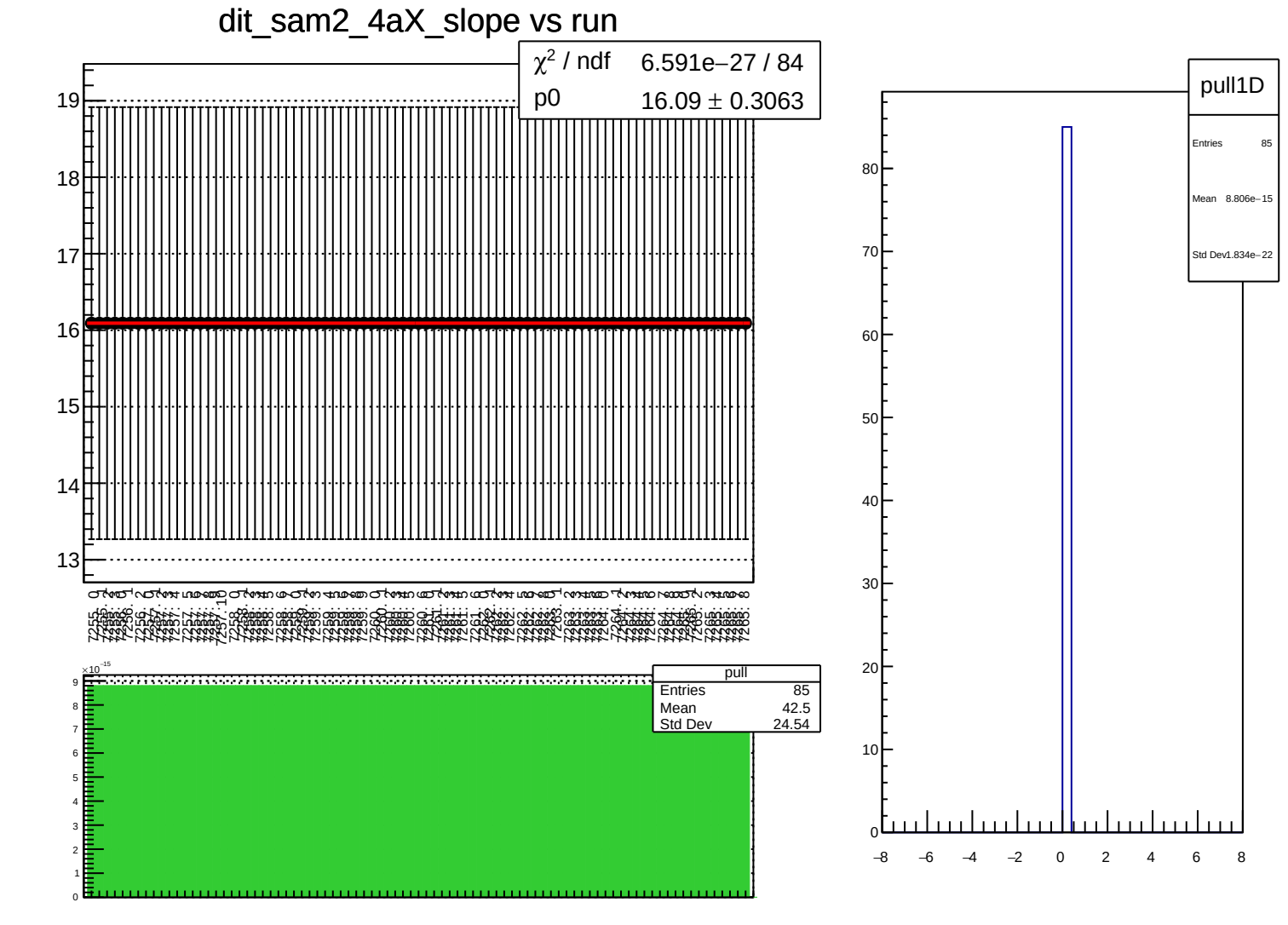

dit_sam1_11X12X_slope vs run
χ² / ndf 5.205e−25 / 84
p0 0.3173 ± 0.0007694
0.324
0.322
0.32
0.318
0.316
0.314
0.312
0.31
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
80
70
60
50
40
30
20
10
0

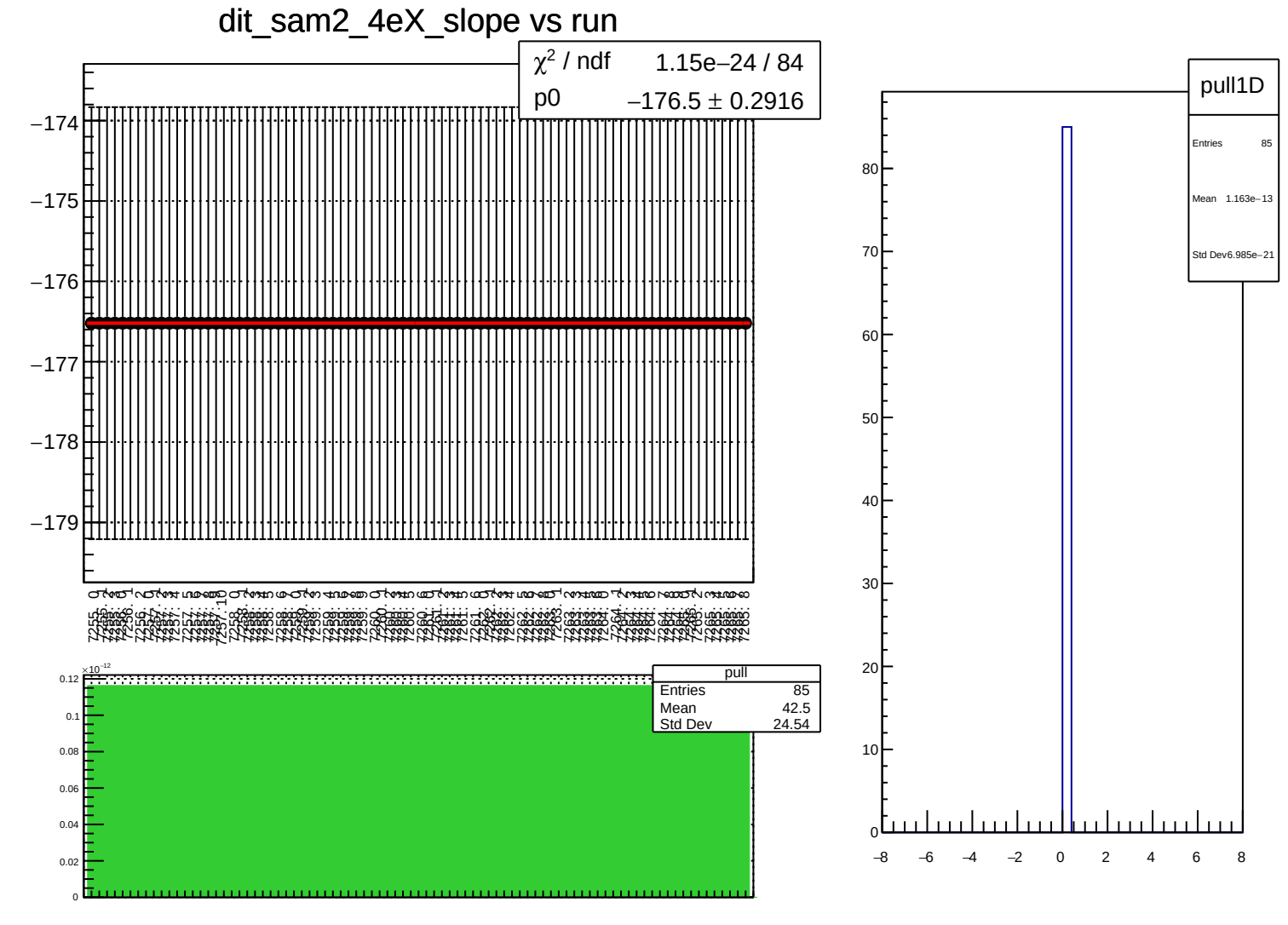

pull1D
Entries 85
Mean 7.825e−14
Std Dev4.639e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

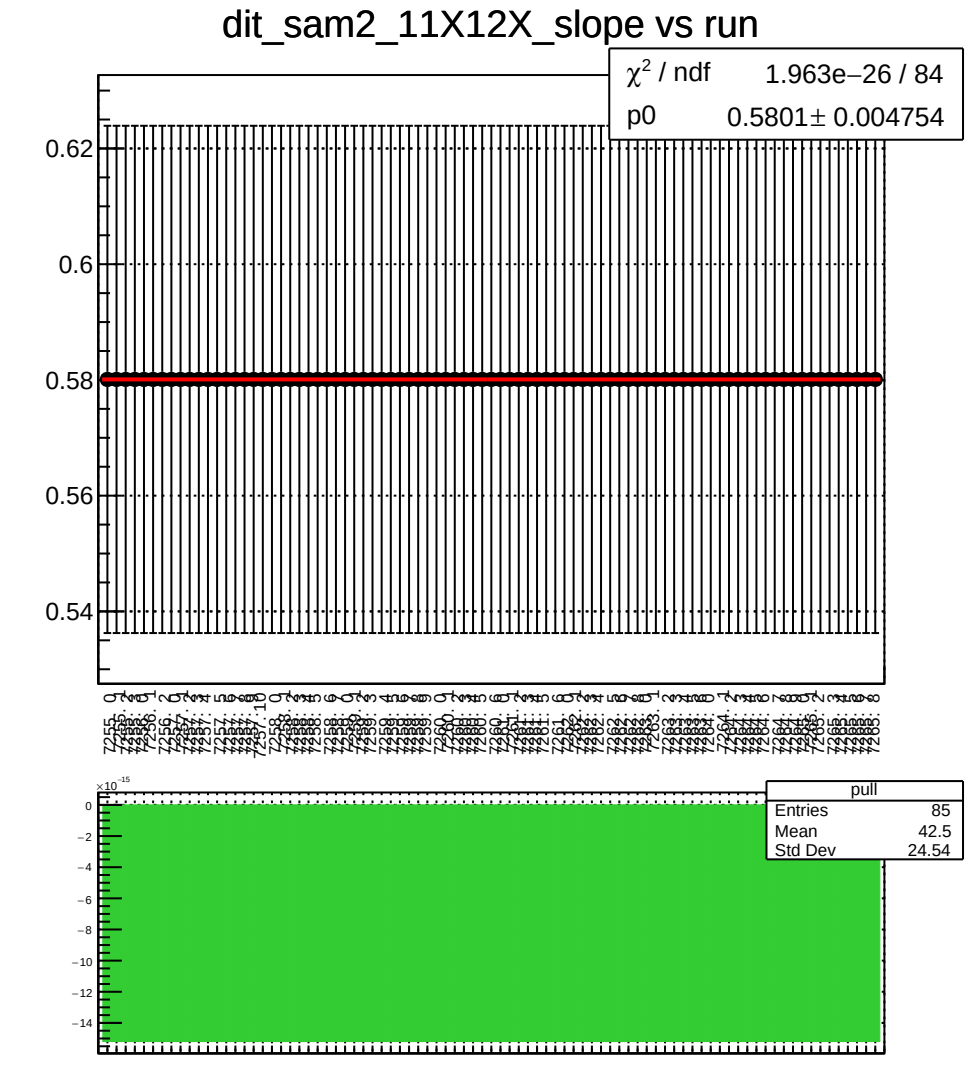

dit_sam1_4aY_slope vs run
χ² / ndf 1.278e−23 / 84
p0 −50.39 ± 0.005963
−50.34
−50.36
−50.38
−50.4
−50.42
−50.44
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
pull1D
Entries 85
Mean −3.877e−13
Std Dev8.299e−21

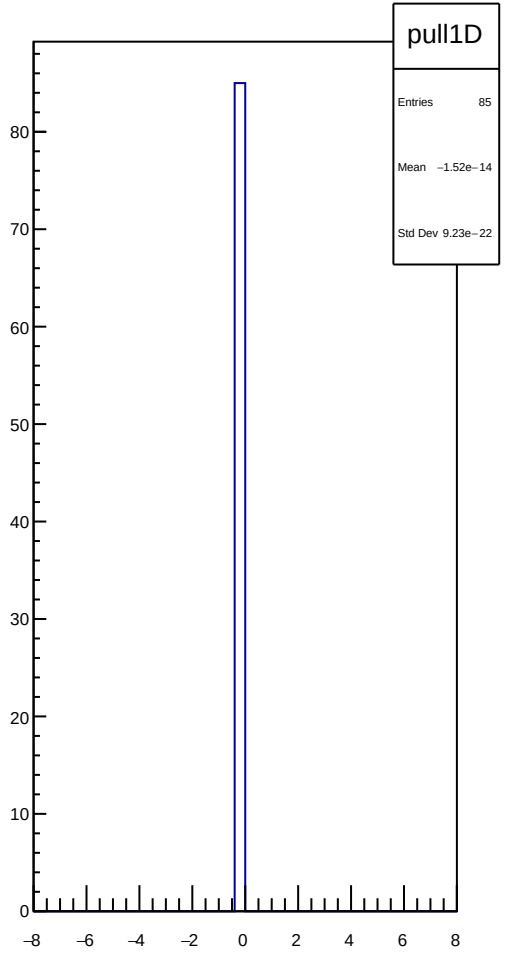

dit_sam1_4eY_slope vs run
χ² / ndf 2.29e−28 / 84
p0 3.755 ± 0.02935
4
3.9
3.8
3.7
3.6
3.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

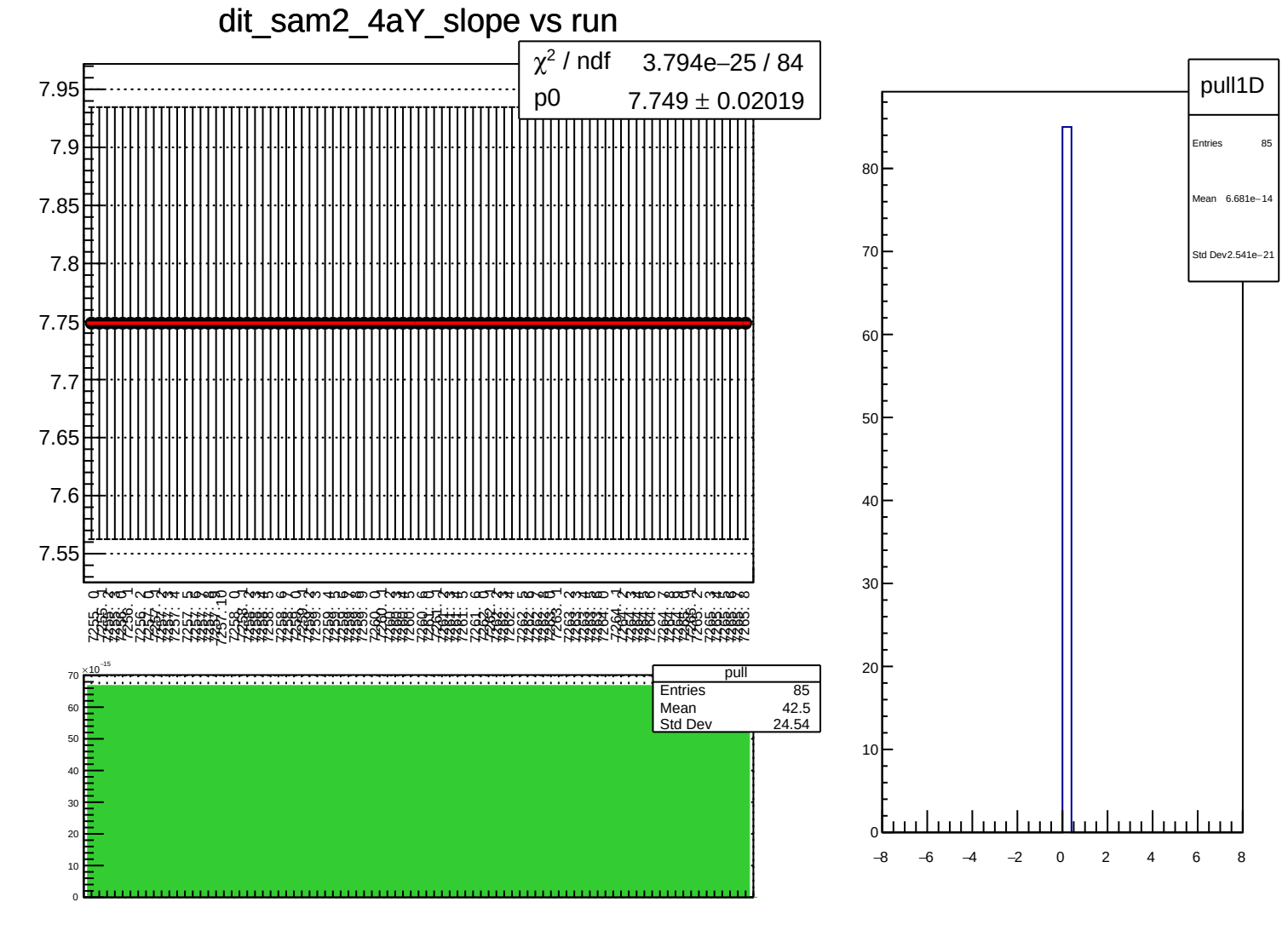

pull1D
Entries 85
Mean 1.641e−15
Std Dev7.003e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

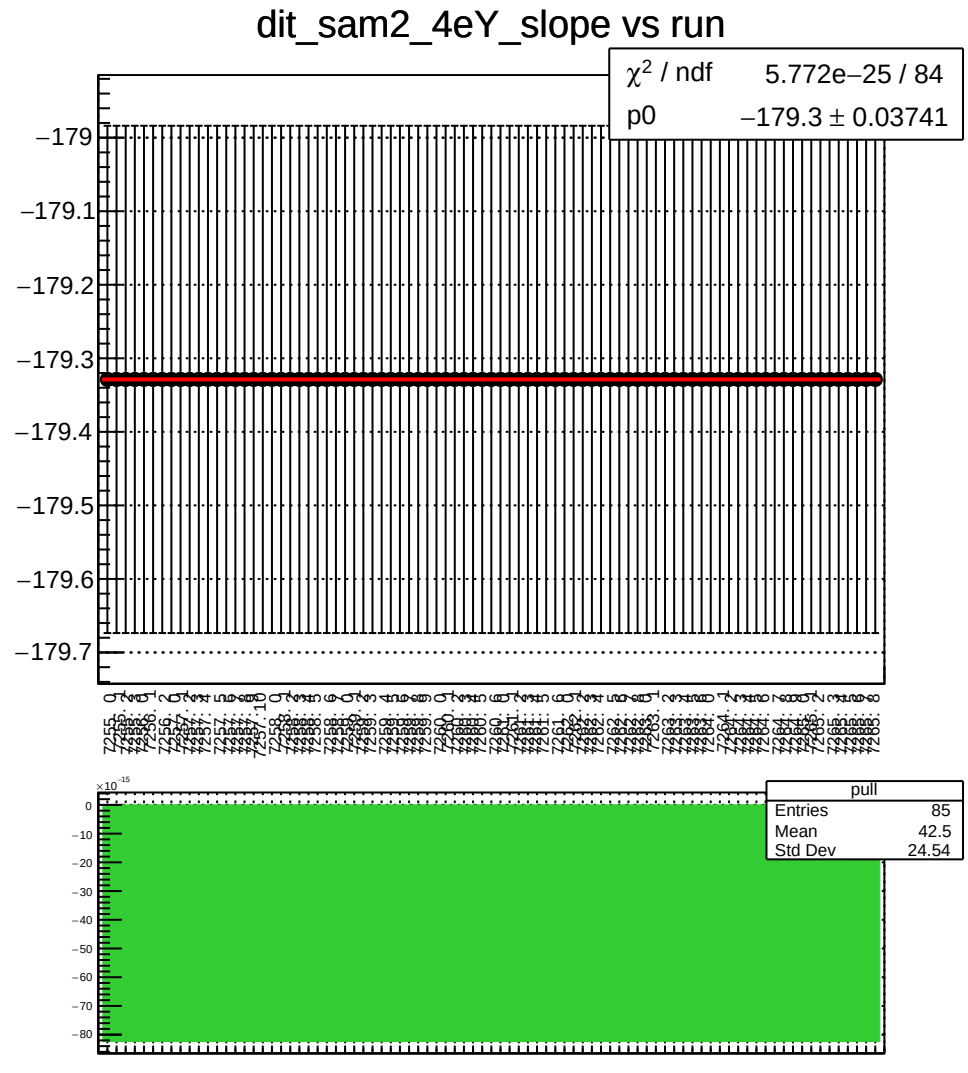

dit_sam2_4aX_slope vs run
χ^2 / ndf 6.591e−27 / 84
p0 16.09 ± 0.3063
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 8.806e−15
Std Dev1.834e−22

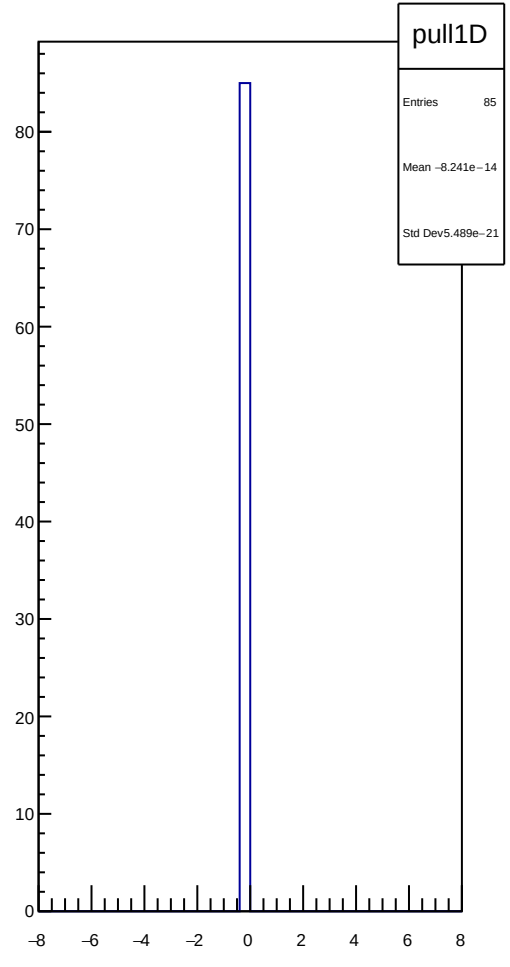

dit_sam2_4eX_slope vs run
χ^2 / ndf 1.15e−24 / 84
p0 −176.5 ± 0.2916
−174
−175
−176
−177
−178
−179
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 85
Mean 1.163e−13
Std Dev6.985e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

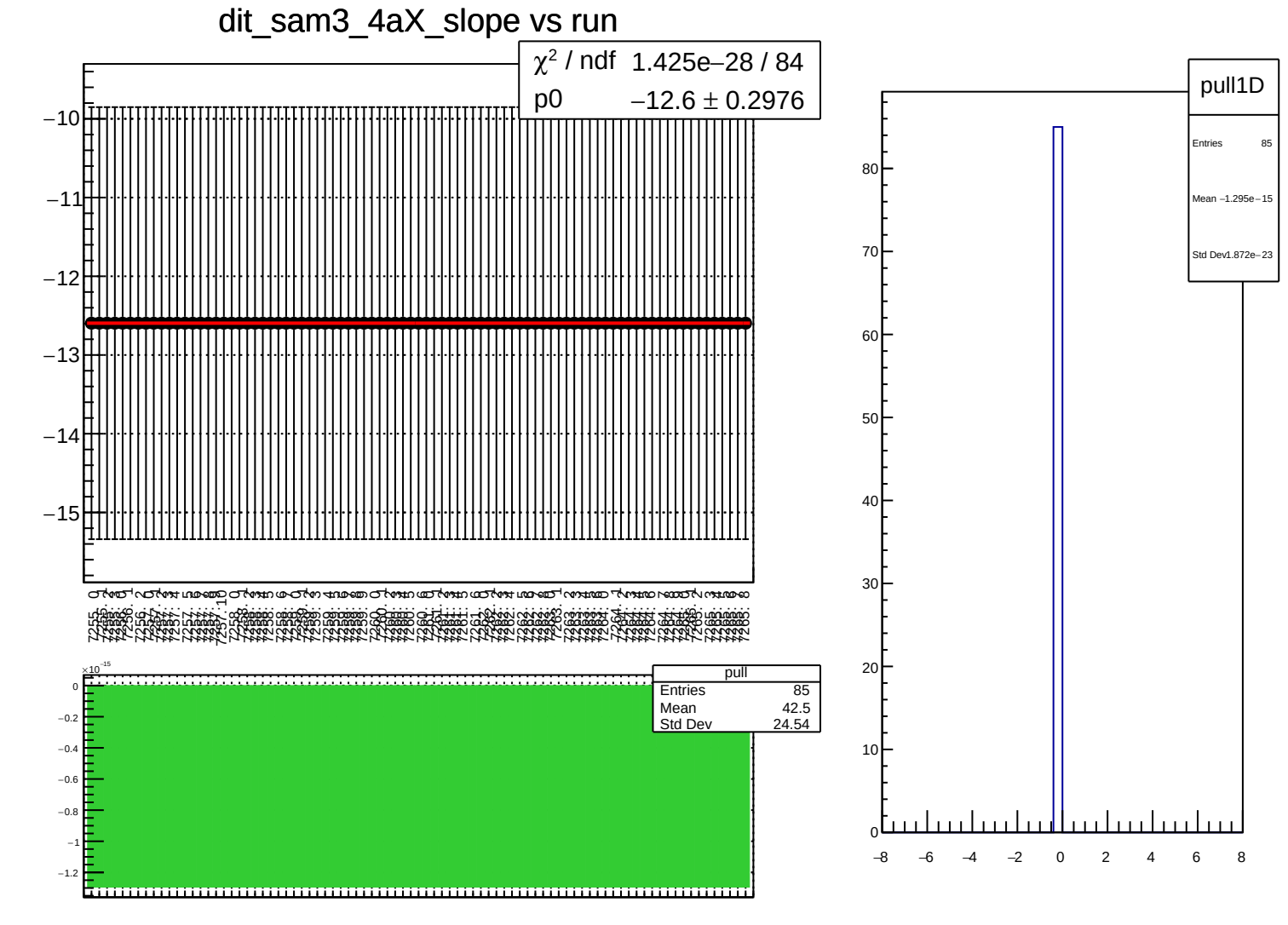

dit_sam2_11X12X_slope vs run
χ² / ndf 1.963e−26 / 84
p0 0.5801 ± 0.004754
0.62
0.6
0.58
0.56
0.54
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14

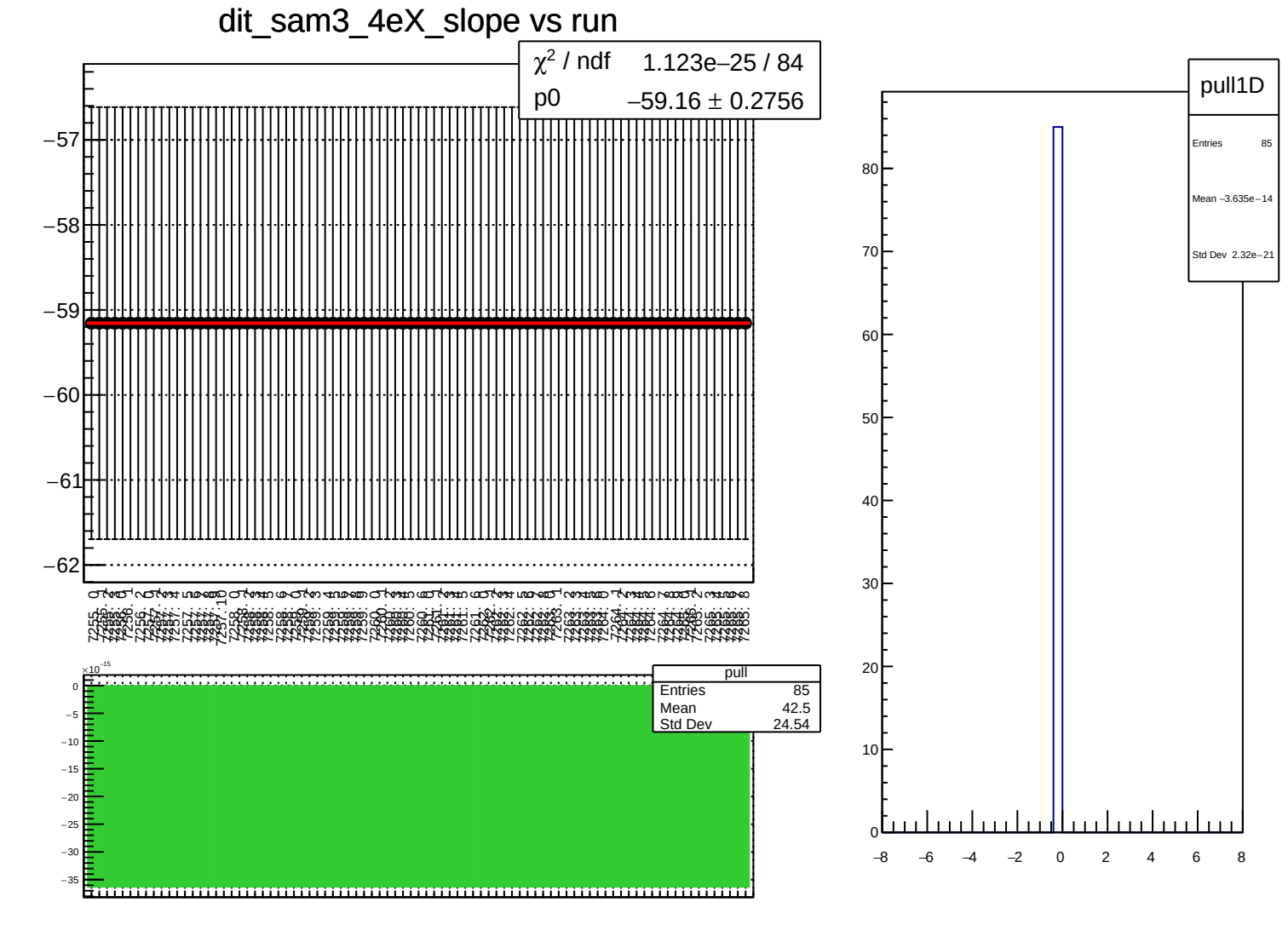

pull1D
Entries 85
Mean −1.52e−14
Std Dev 9.23e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

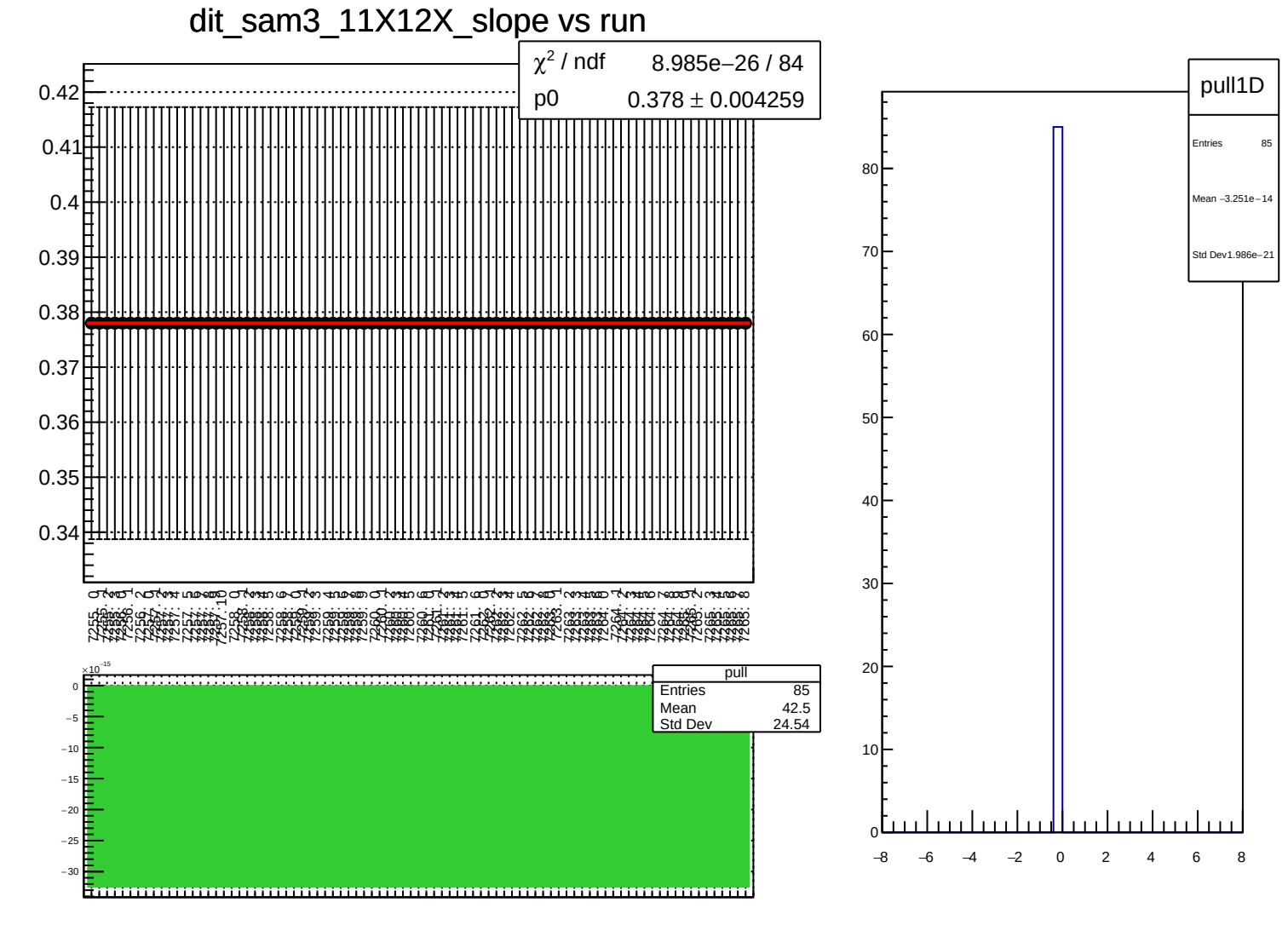

dit_sam2_4aY_slope vs run
χ² / ndf 3.794e−25 / 84
p0 7.749 ± 0.02019
7.95
7.9
7.85
7.8
7.75
7.7
7.65
7.6
7.55
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
70
60
50
40
30
20
10
0
pull1D
Entries 85
Mean 6.681e−14
Std Dev2.541e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

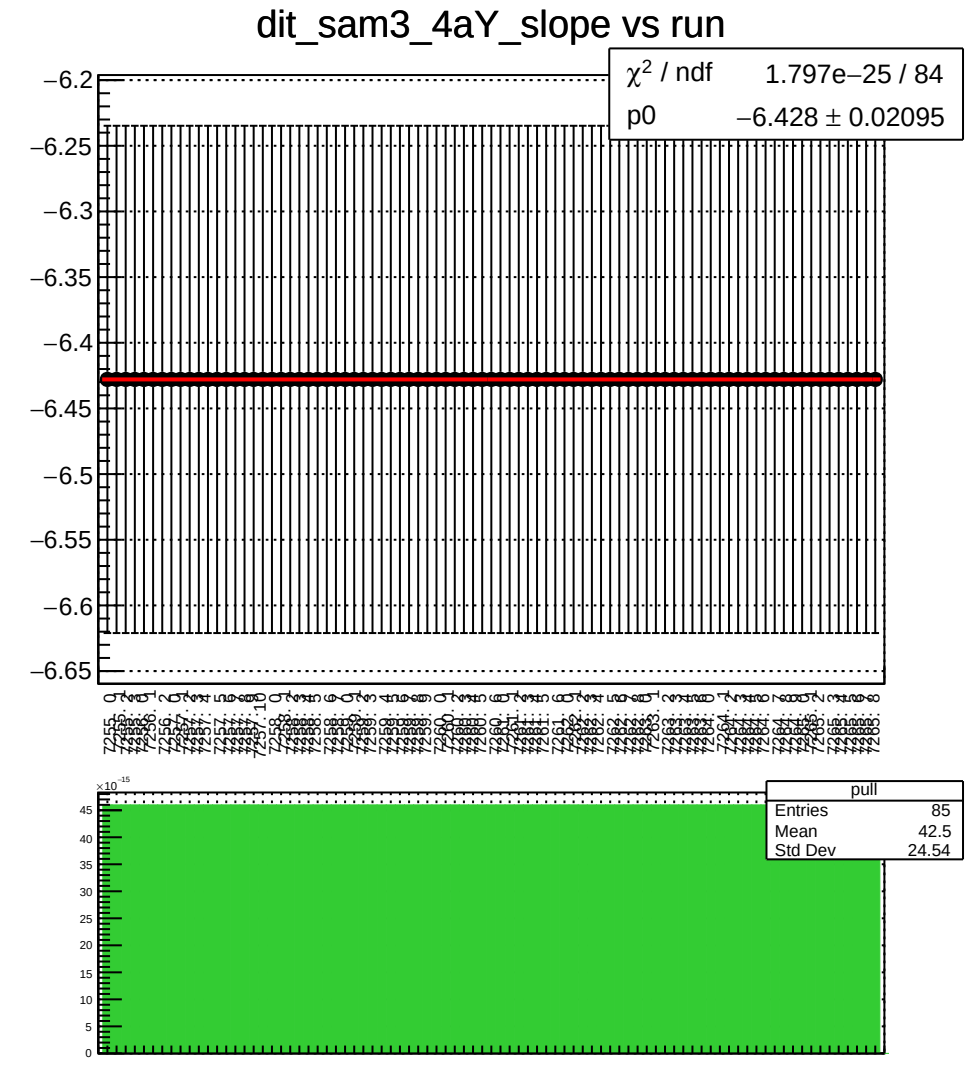

dit_sam2_4eY_slope vs run
χ² / ndf 5.772e−25 / 84
p0 −179.3 ± 0.03741
−179
−179.1
−179.2
−179.3
−179.4
−179.5
−179.6
−179.7
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80

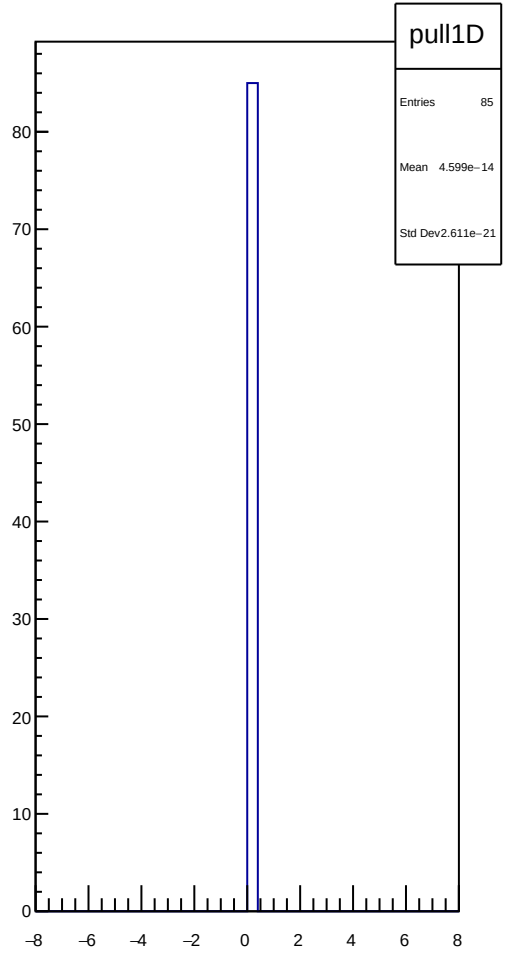

pull1D
Entries 85
Mean −8.241e−14
Std Dev5.489e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

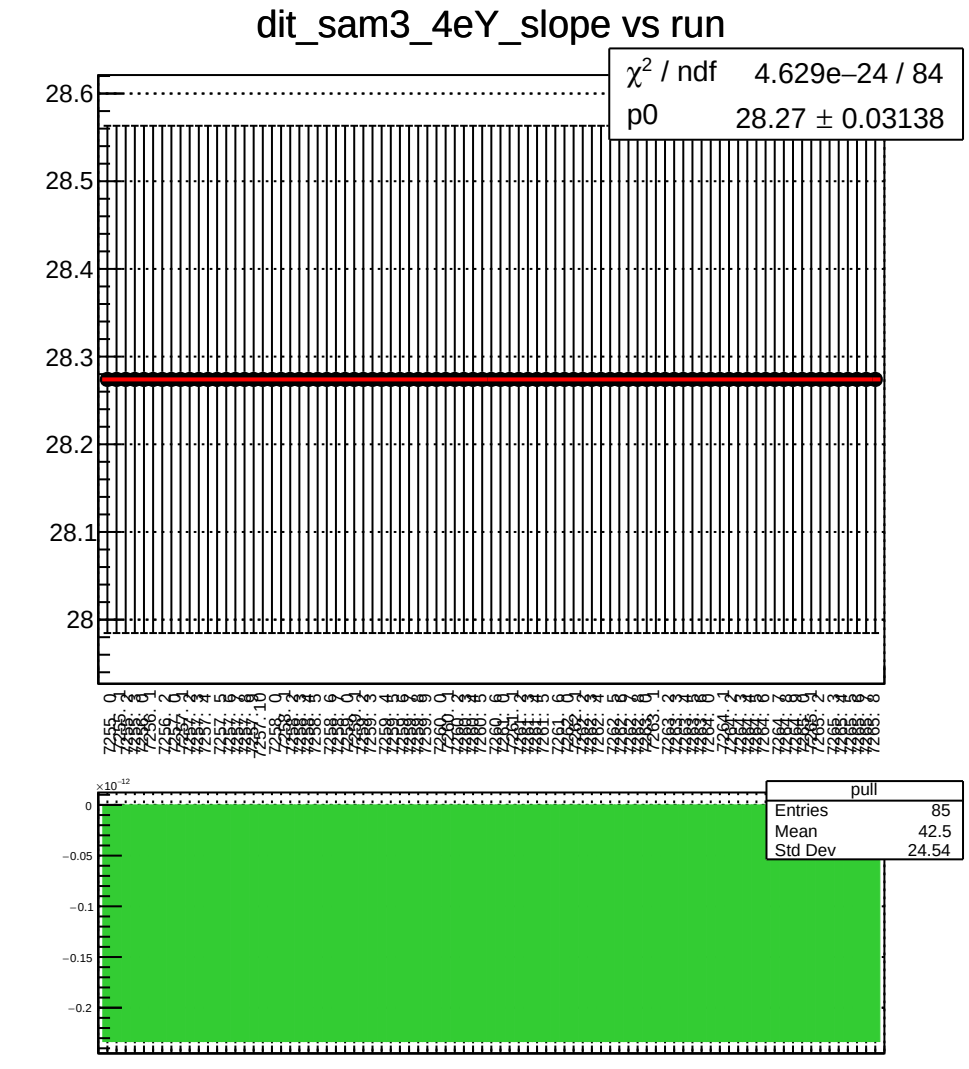

dit_sam3_4aX_slope vs run
χ² / ndf 1.425e−28 / 84
p0 −12.6 ± 0.2976
−10
−11
−12
−13
−14
−15
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 85
Mean −1.295e−15
Std Dev1.872e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

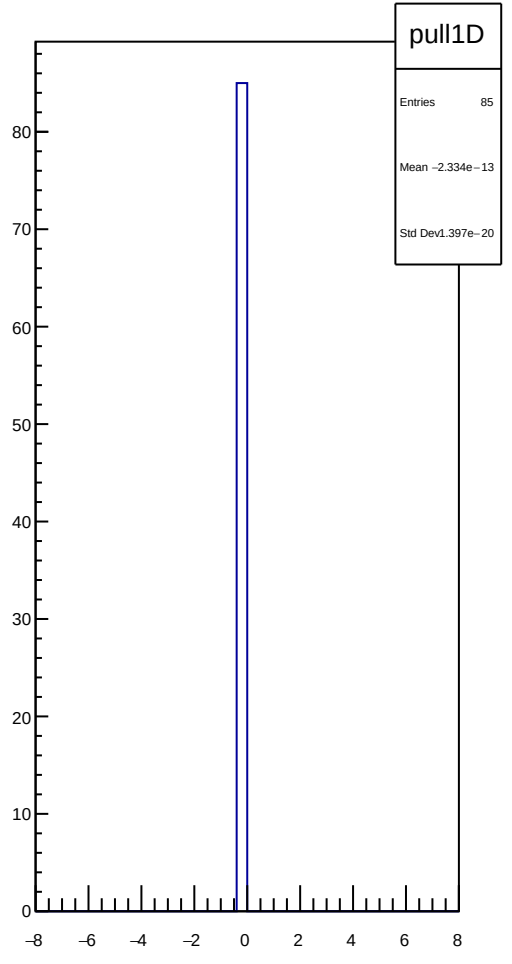

dit_sam3_4eX_slope vs run
χ² / ndf 1.123e−25 / 84
p0 −59.16 ± 0.2756
−57
−58
−59
−60
−61
−62
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 85
Mean −3.635e−14
Std Dev 2.32e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

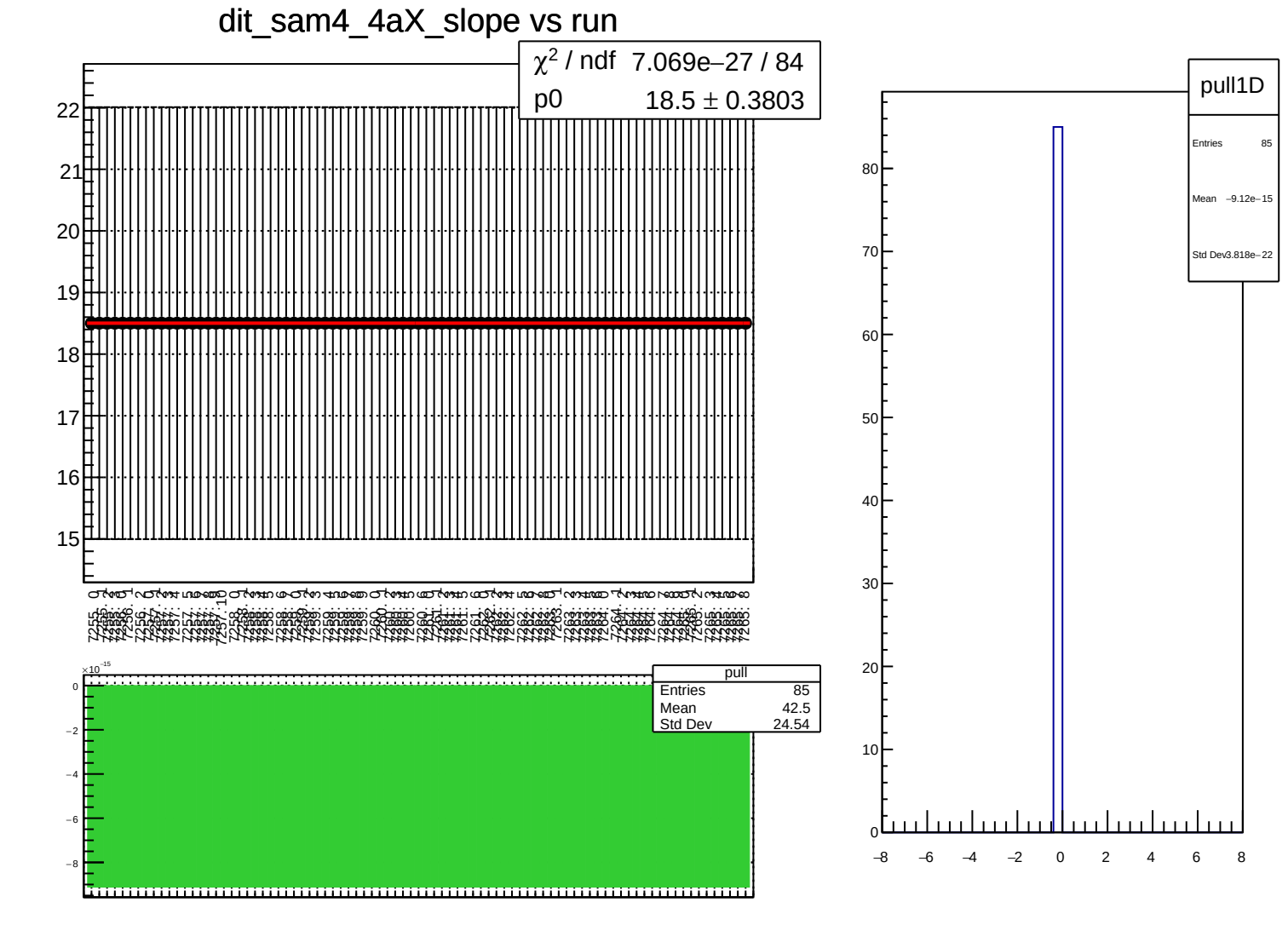

dit_sam3_11X12X_slope vs run
χ² / ndf 8.985e−26 / 84
p0 0.378 ± 0.004259
0.42
0.41
0.4
0.39
0.38
0.37
0.36
0.35
0.34
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 85
Mean −3.251e−14
Std Dev1.986e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

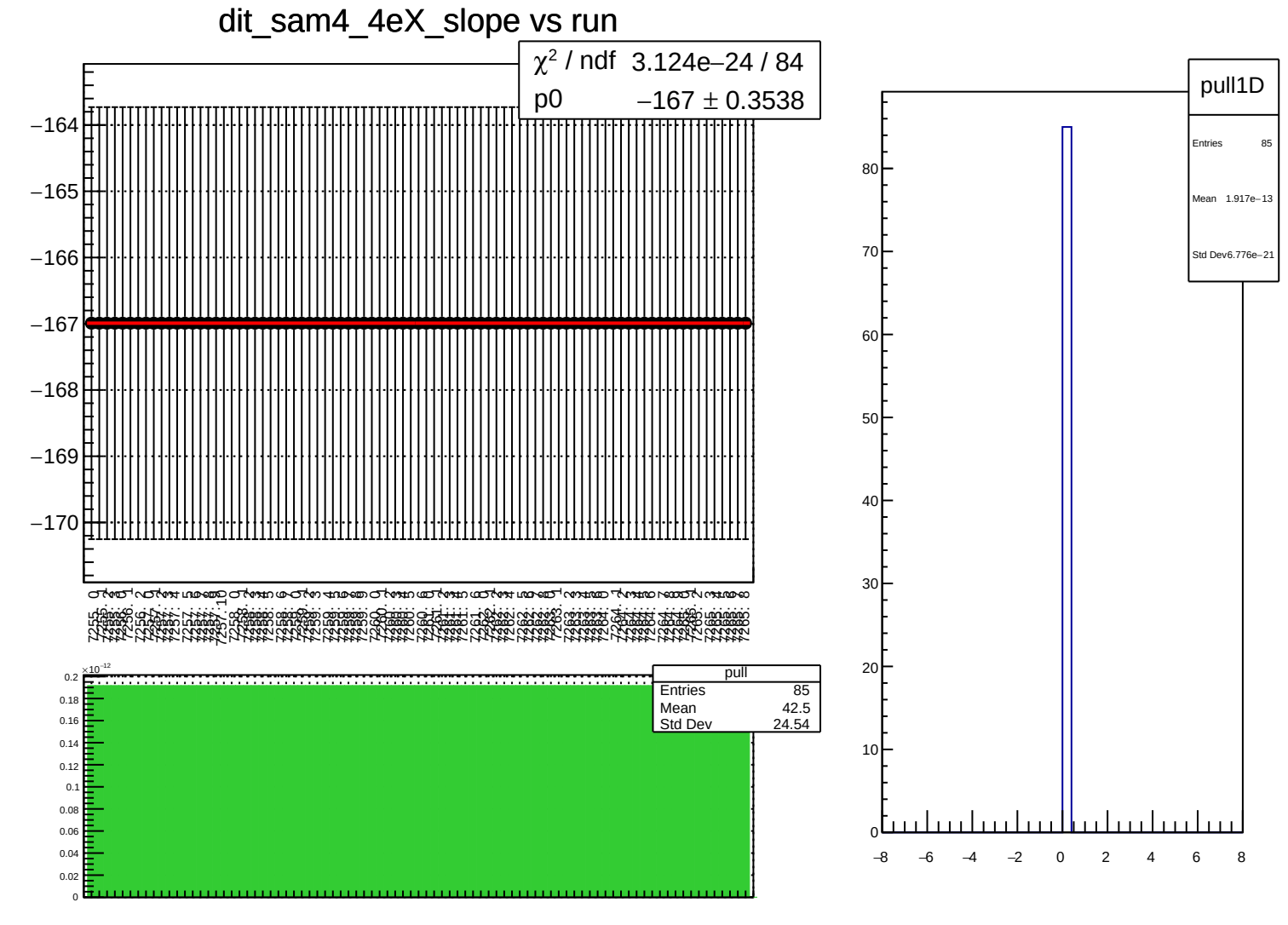

dit_sam3_4aY_slope vs run
χ² / ndf 1.797e−25 / 84
p0 −6.428 ± 0.02095
−6.2
−6.25
−6.3
−6.35
−6.4
−6.45
−6.5
−6.55
−6.6
−6.65
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0

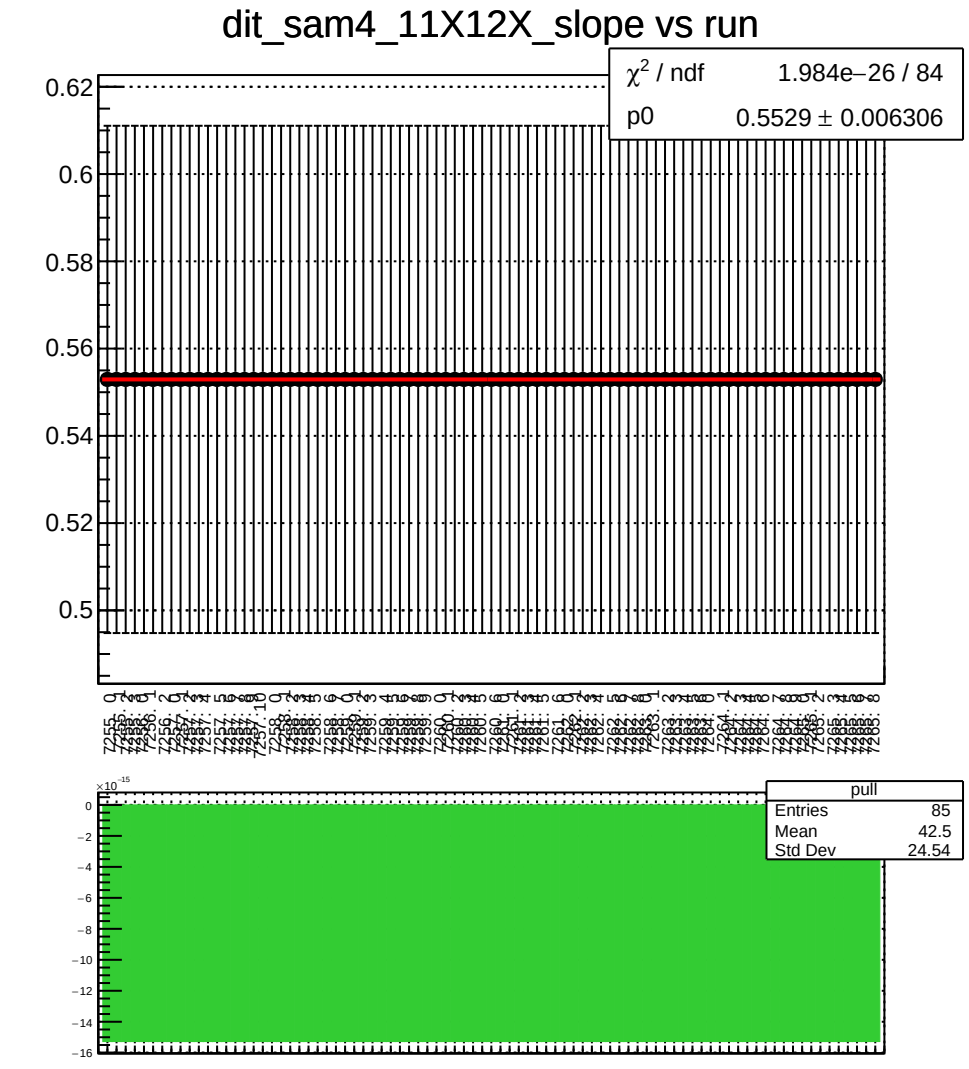

pull1D
Entries 85
Mean 4.599e−14
Std Dev2.611e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

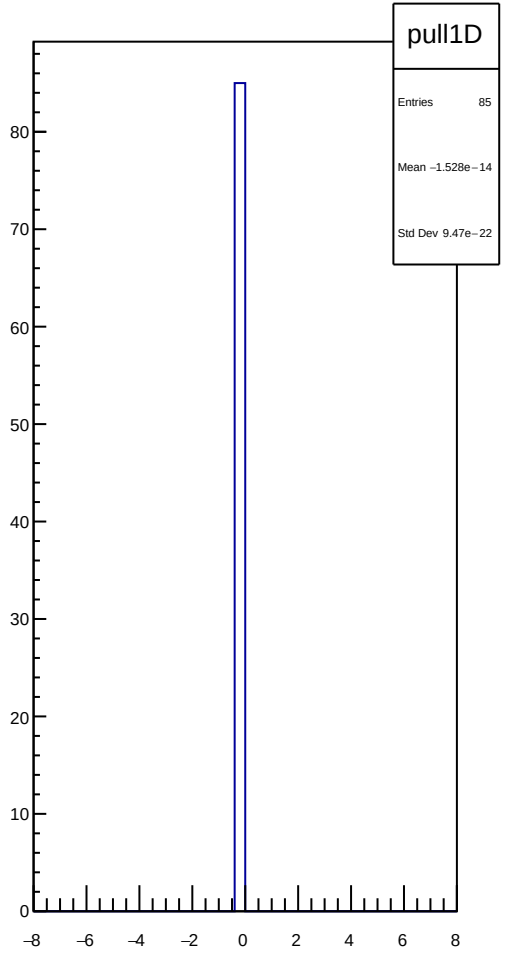

dit_sam3_4eY_slope vs run
χ² / ndf 4.629e−24 / 84
p0 28.27 ± 0.03138
28.6
28.5
28.4
28.3
28.2
28.1
28
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

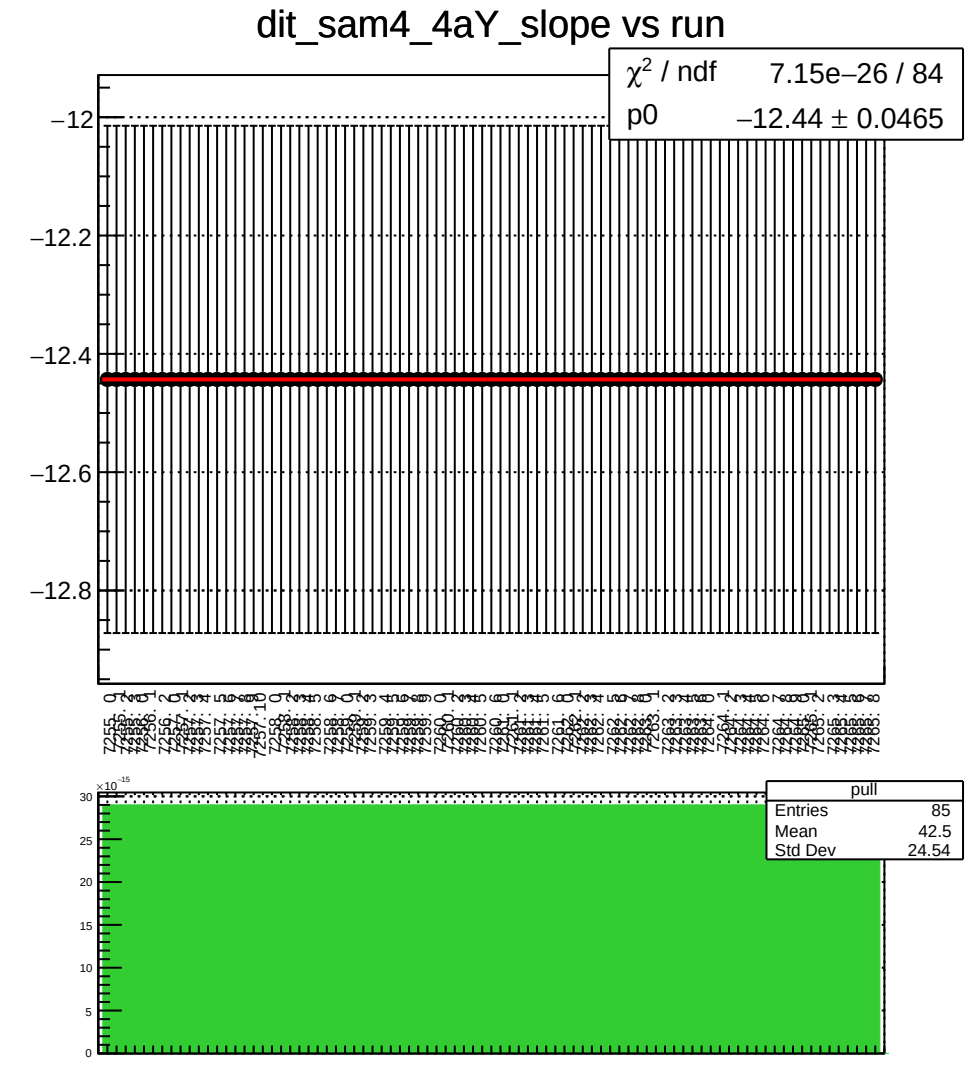

pull1D
Entries 85
Mean −2.334e−13
Std Dev1.397e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

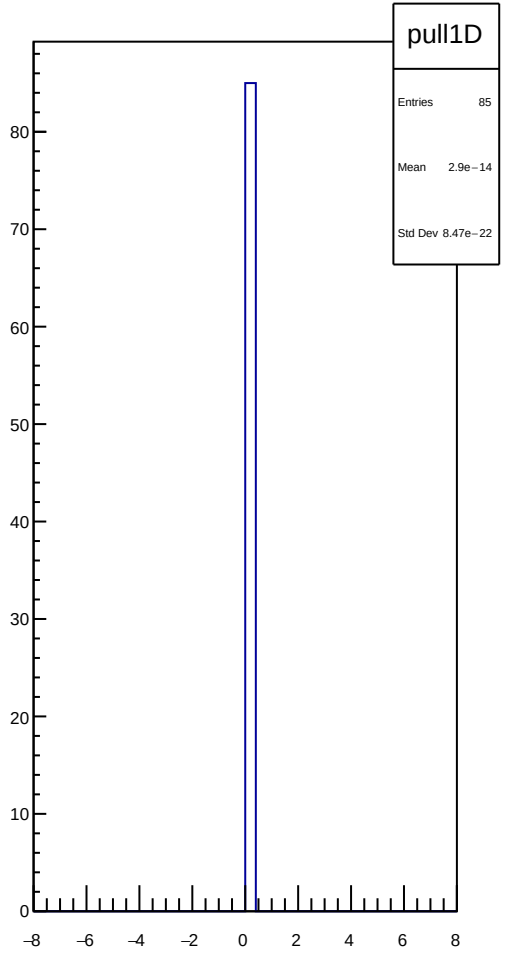

dit_sam4_4aX_slope vs run
χ² / ndf 7.069e−27 / 84
p0 18.5 ± 0.3803
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean −9.12e−15
Std Dev 3.818e−22

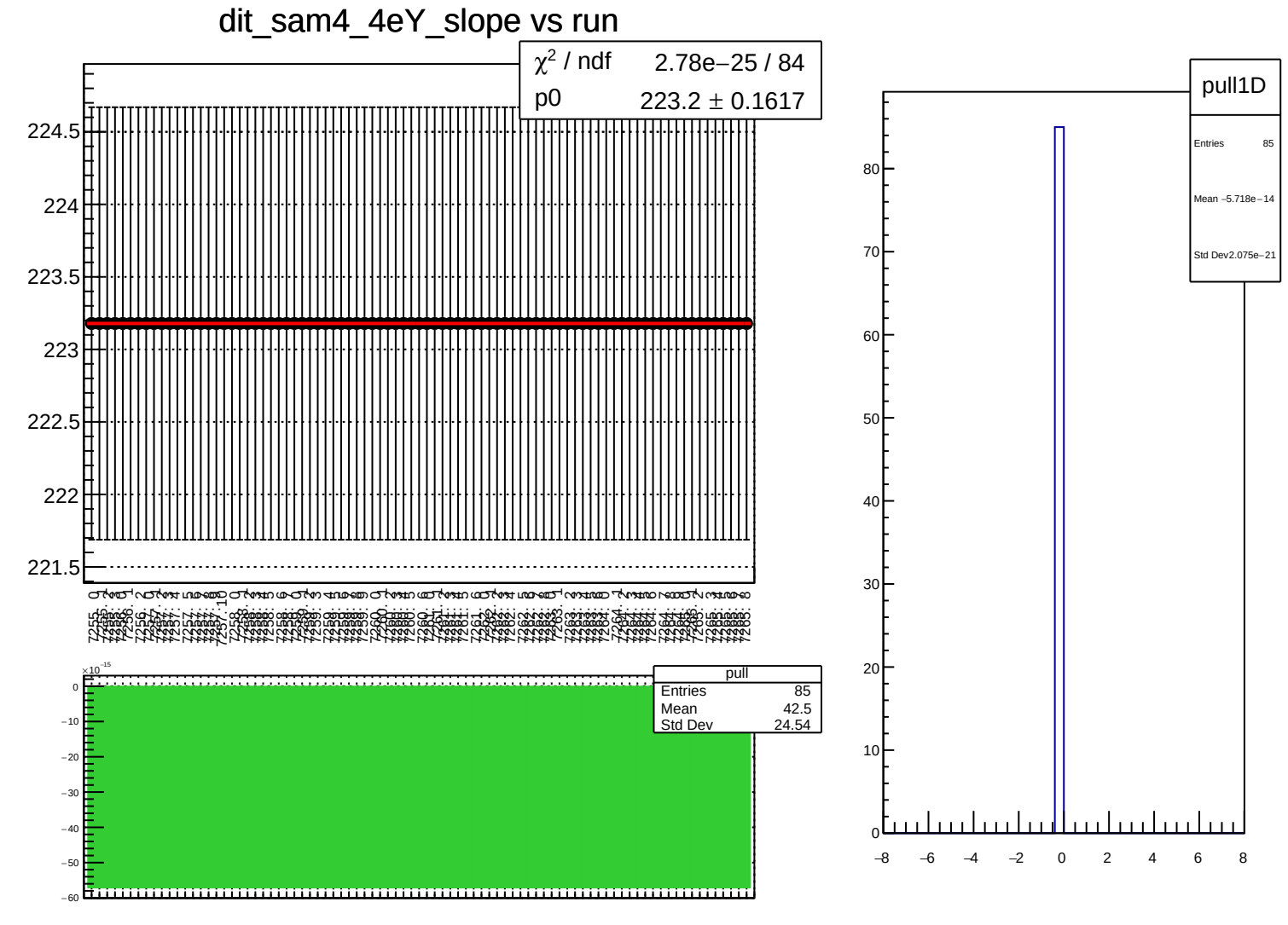

dit_sam4_4eX_slope vs run
χ² / ndf 3.124e−24 / 84
p0 −167 ± 0.3538
−164
−165
−166
−167
−168
−169
−170
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 85
Mean 1.917e−13
Std Dev6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

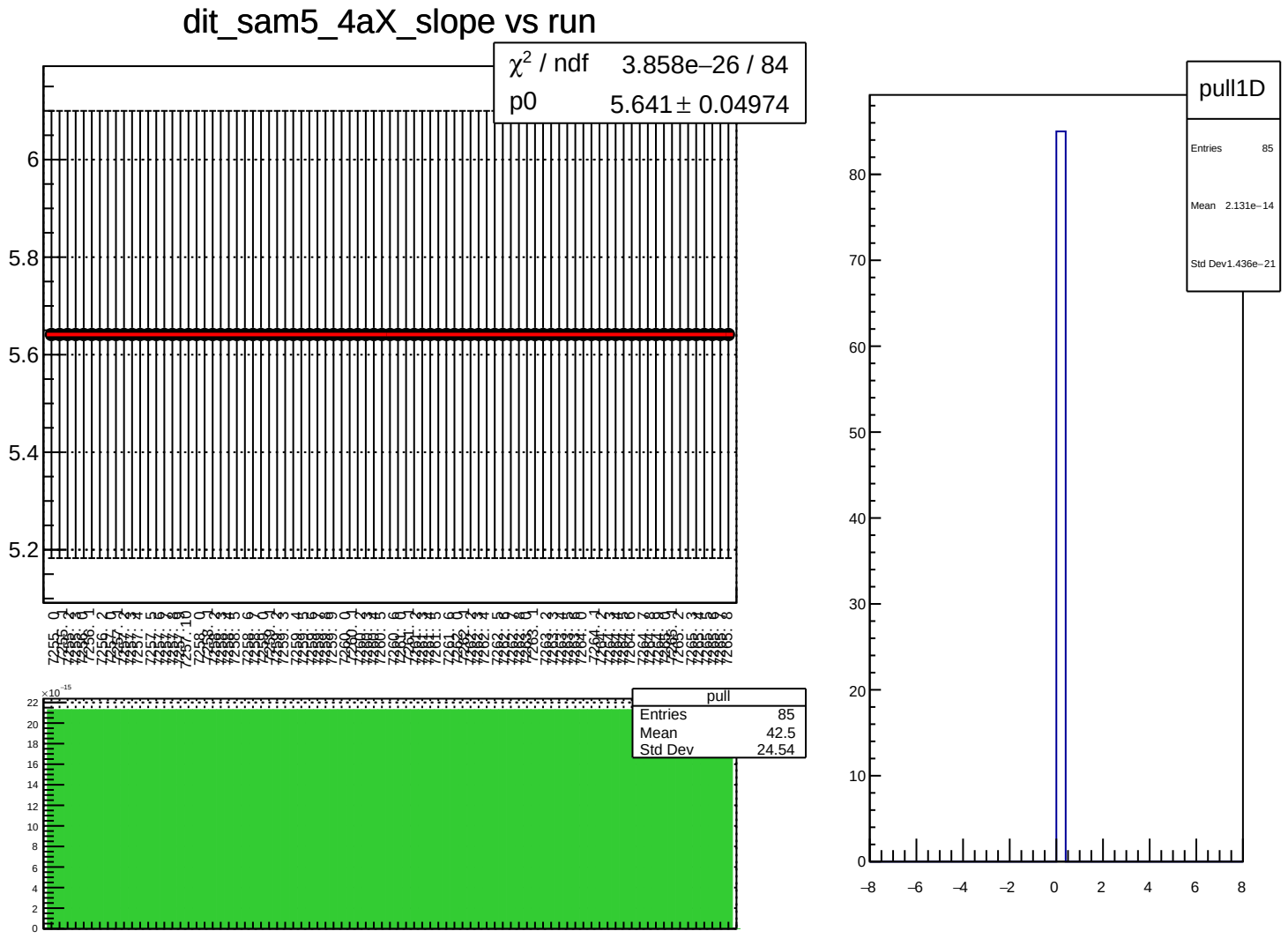

dit_sam4_11X12X_slope vs run
χ² / ndf 1.984e−26 / 84
p0 0.5529 ± 0.006306
0.62
0.6
0.58
0.56
0.54
0.52
0.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16

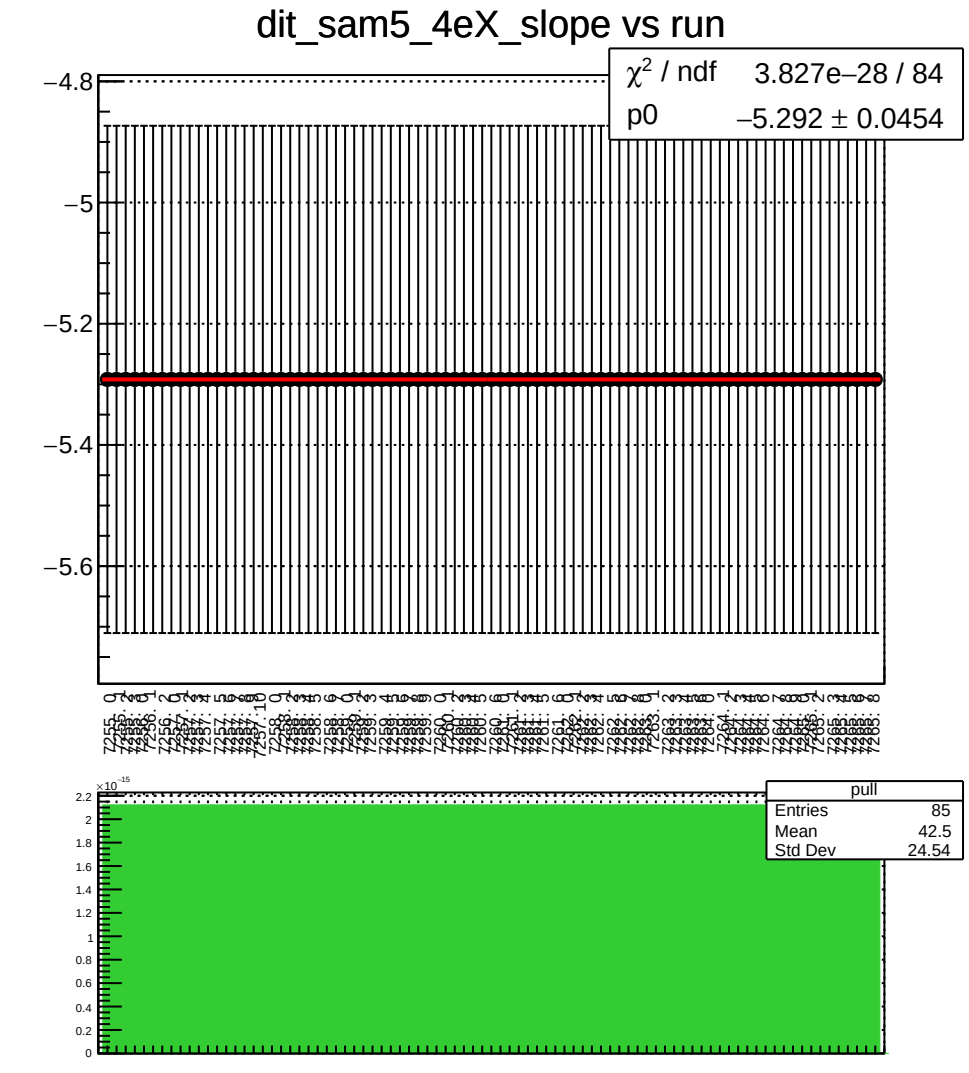

pull1D
Entries 85
Mean −1.528e−14
Std Dev 9.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

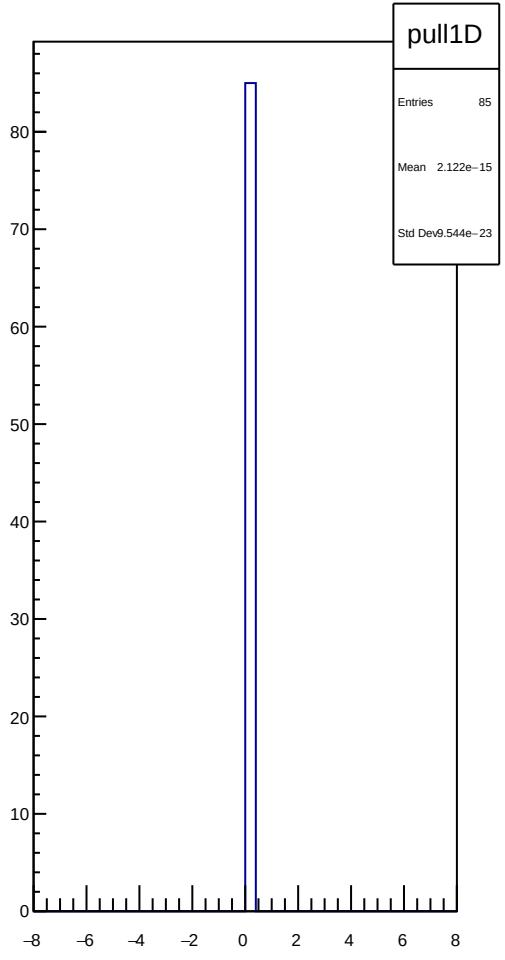

dit_sam4_4aY_slope vs run
χ² / ndf 7.15e−26 / 84
p0 −12.44 ± 0.0465
−12
−12.2
−12.4
−12.6
−12.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
30
25
20
15
10
5
0

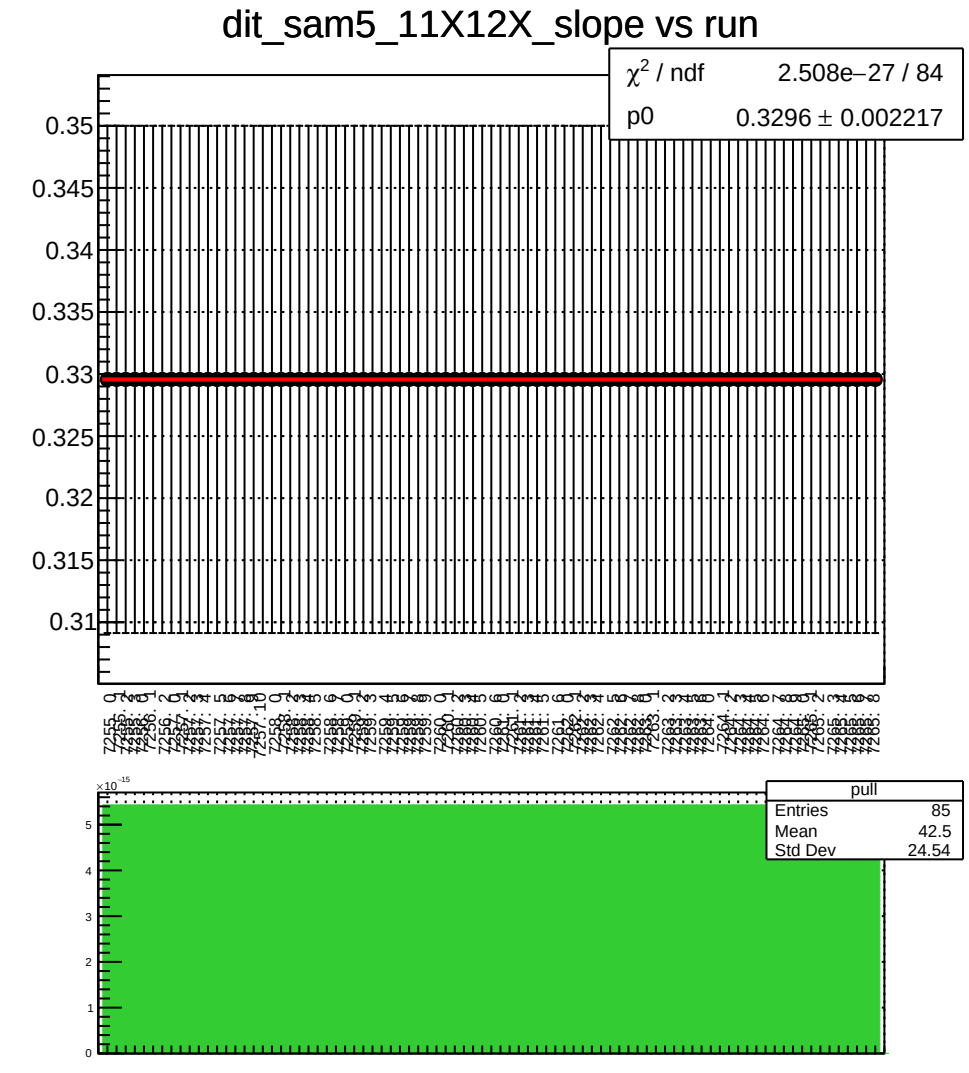

pull1D
Entries 85
Mean 2.9e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

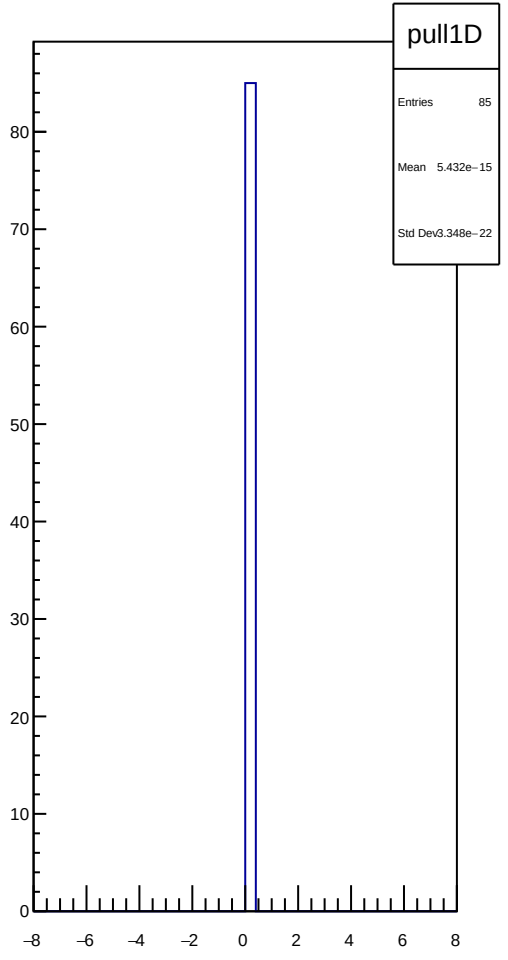

dit_sam4_4eY_slope vs run
χ² / ndf 2.78e−25 / 84
p0 223.2 ± 0.1617
224.5
224
223.5
223
222.5
222
221.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 85
Mean −5.718e−14
Std Dev2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

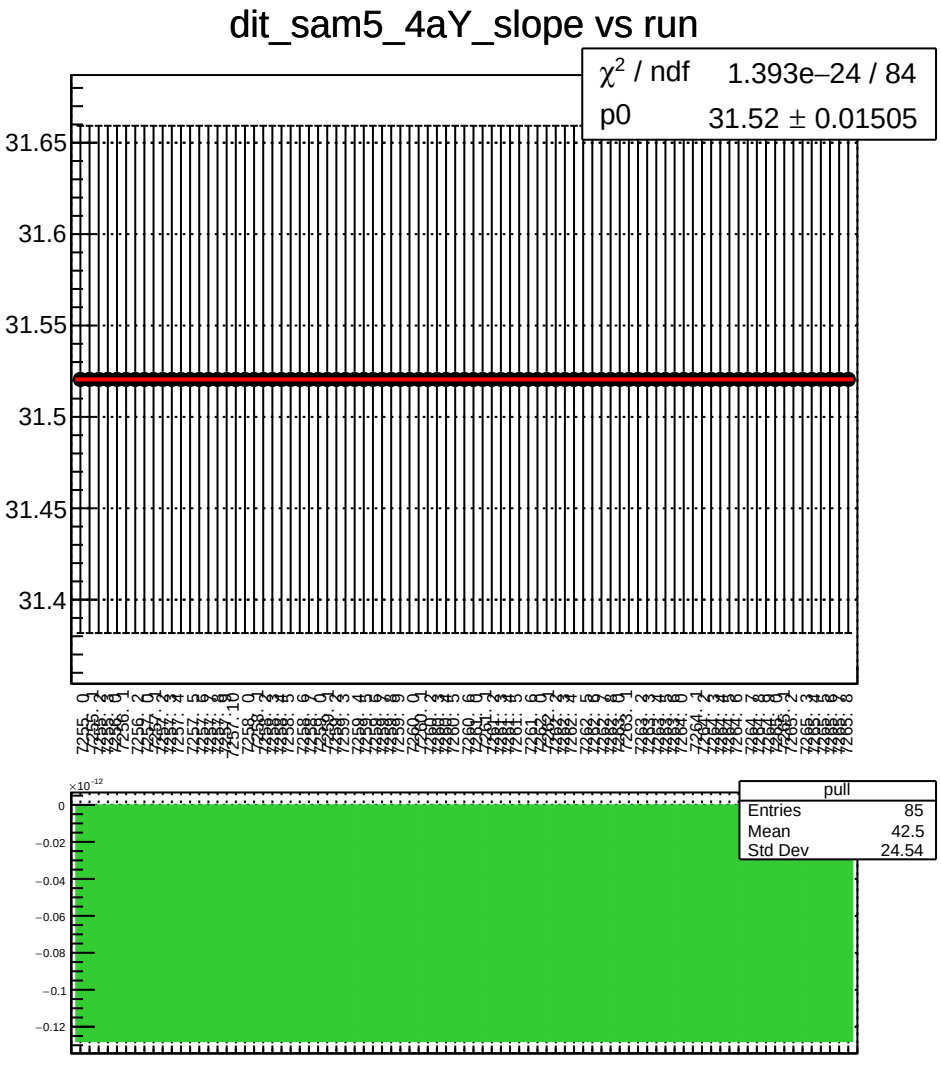

dit_sam5_4aX_slope vs run
χ² / ndf 3.858e−26 / 84
p0 5.641 ± 0.04974
6
5.8
5.6
5.4
5.2
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 2.131e−14
Std Dev 1.436e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

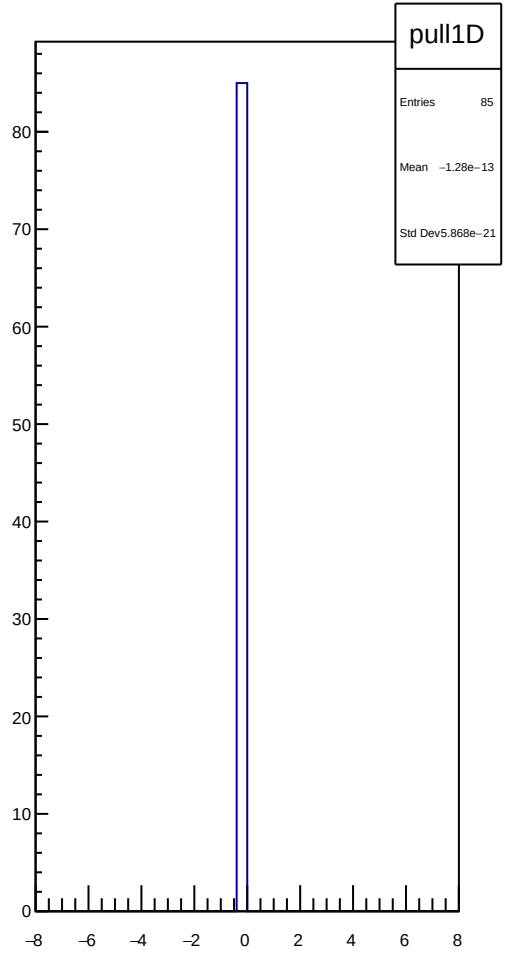

dit_sam5_4eX_slope vs run
χ² / ndf 3.827e−28 / 84
p0 −5.292 ± 0.0454
−4.8
−5
−5.2
−5.4
−5.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

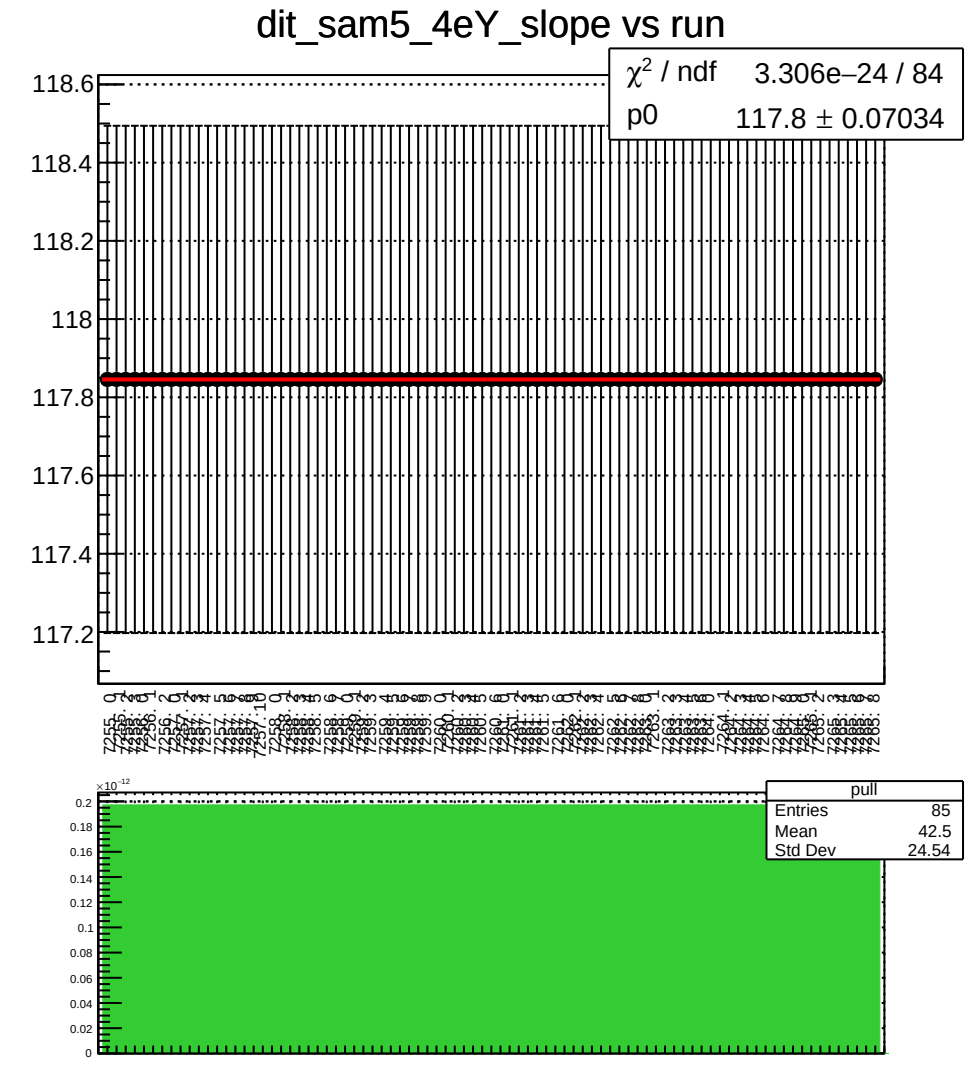

pull1D
Entries 85
Mean 2.122e−15
Std Dev9.544e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

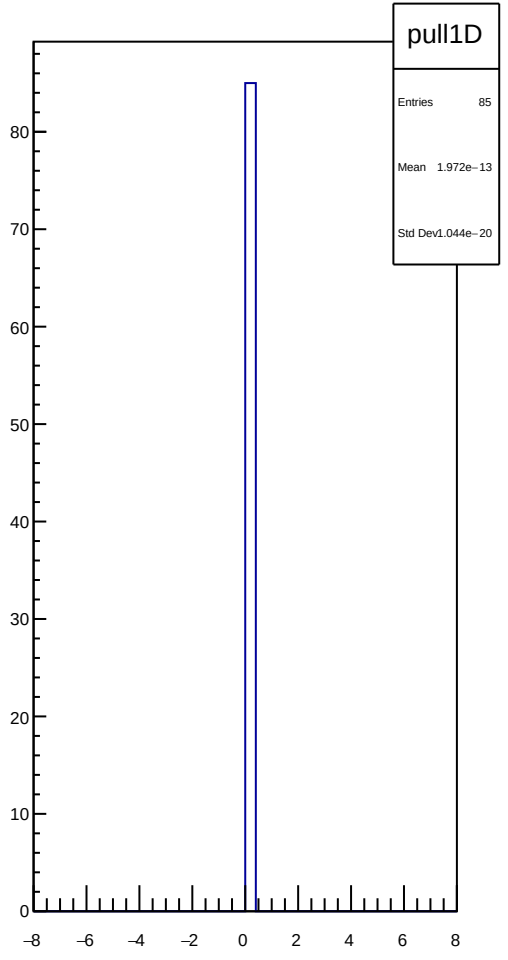

dit_sam5_11X12X_slope vs run
χ² / ndf 2.508e−27 / 84
p0 0.3296 ± 0.002217
0.35
0.345
0.34
0.335
0.33
0.325
0.32
0.315
0.31
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
5
4
3
2
1
0

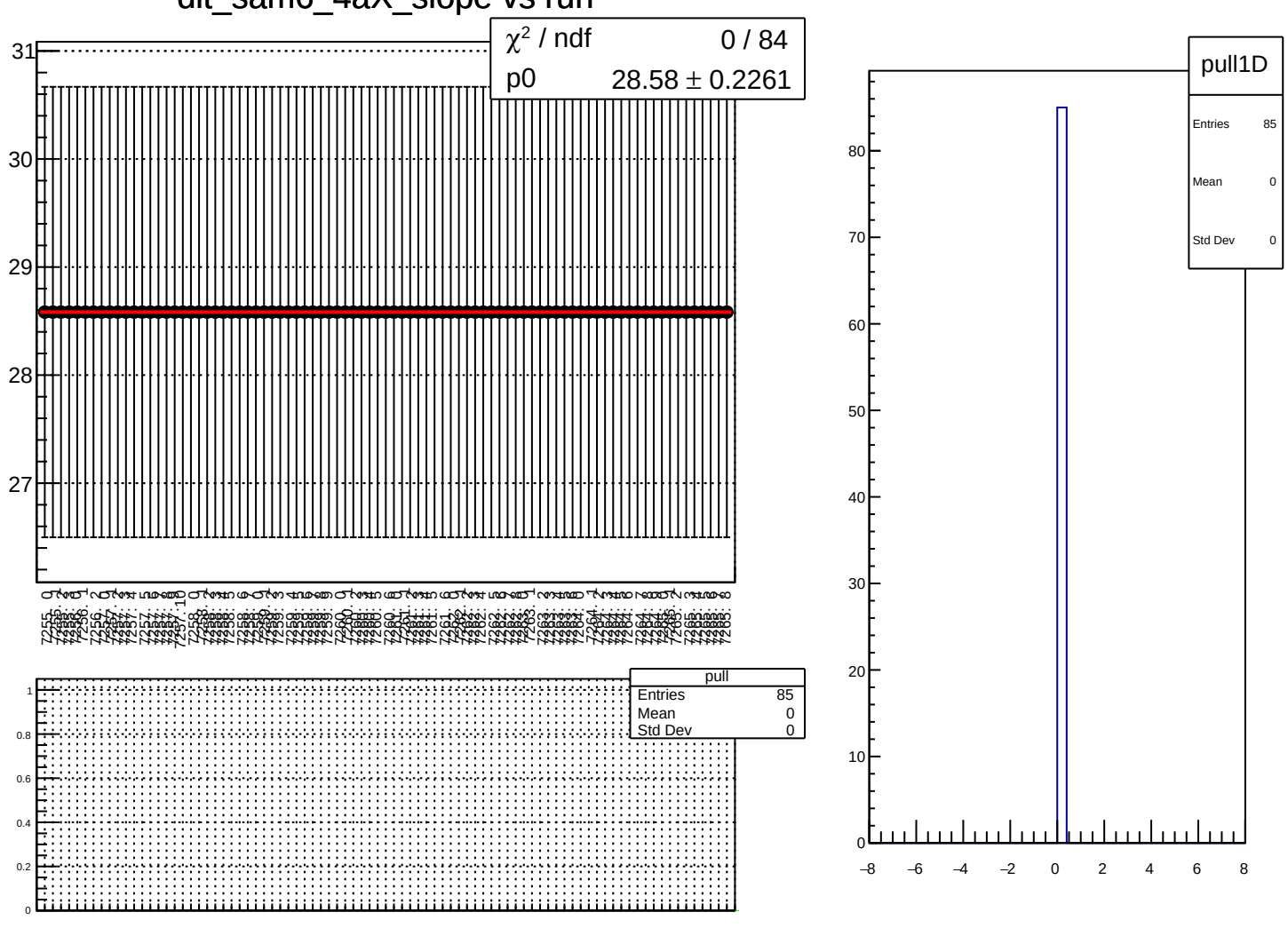

pull1D
Entries 85
Mean 5.432e−15
Std Dev 3.348e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

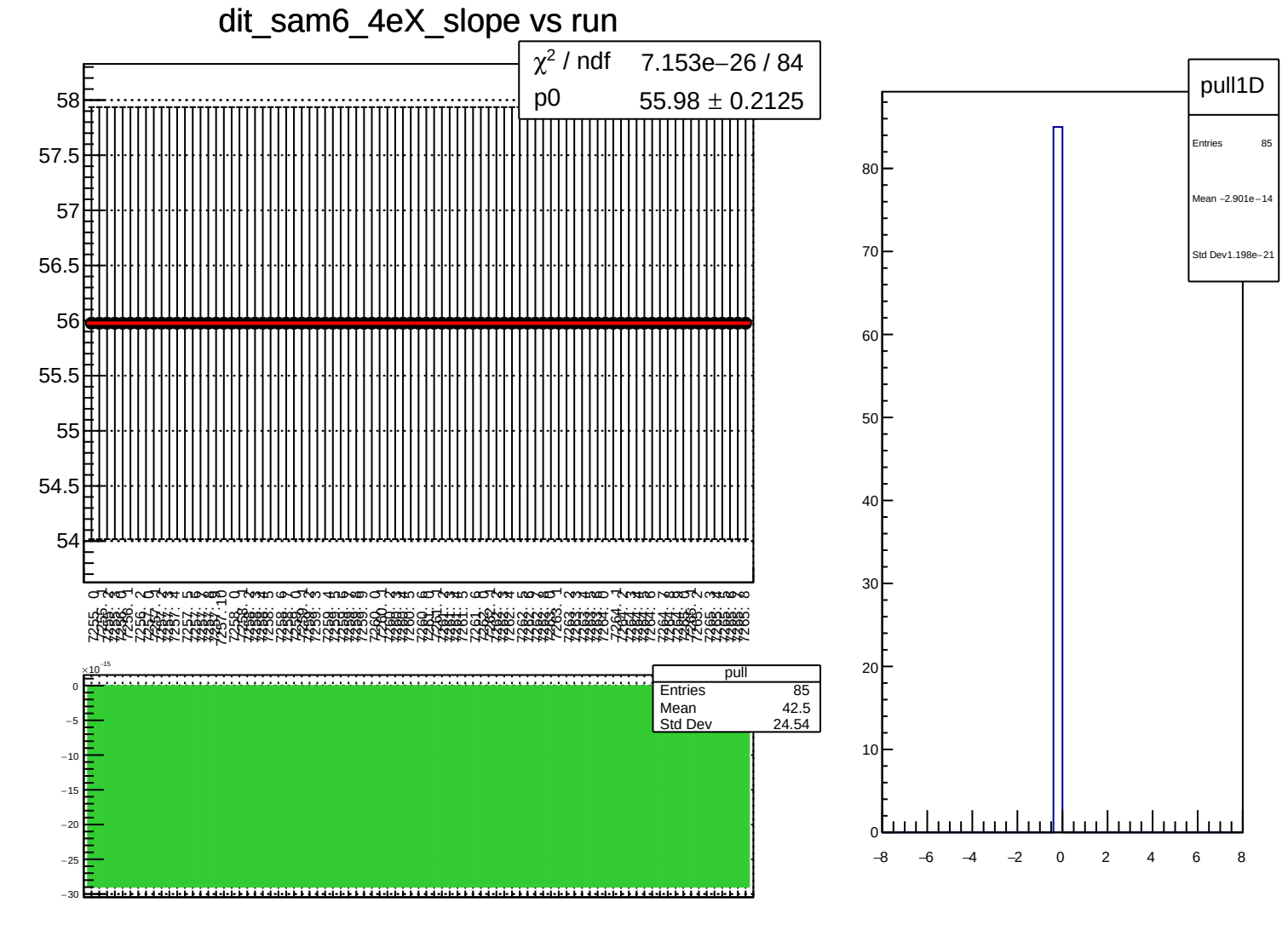

dit_sam5_4aY_slope vs run
χ² / ndf 1.393e−24 / 84
p0 31.52 ± 0.01505
31.65
31.6
31.55
31.5
31.45
31.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

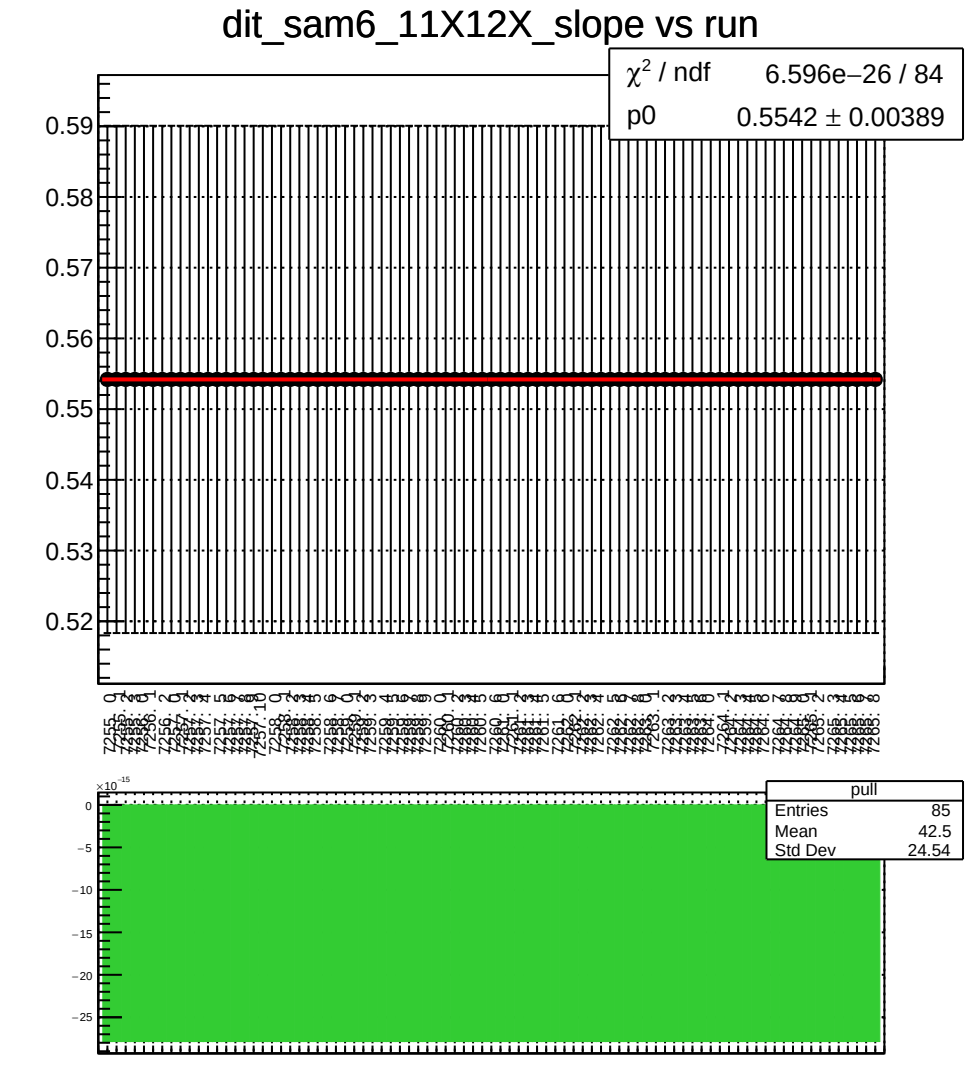

pull1D
Entries 85
Mean −1.28e−13
Std Dev5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

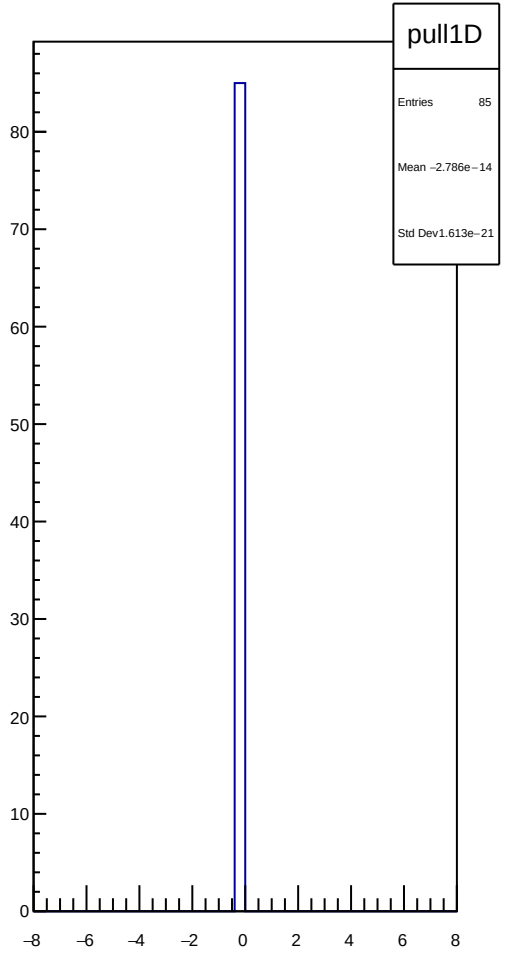

dit_sam5_4eY_slope vs run
χ² / ndf 3.306e−24 / 84
p0 117.8 ± 0.07034
118.6
118.4
118.2
118
117.8
117.6
117.4
117.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

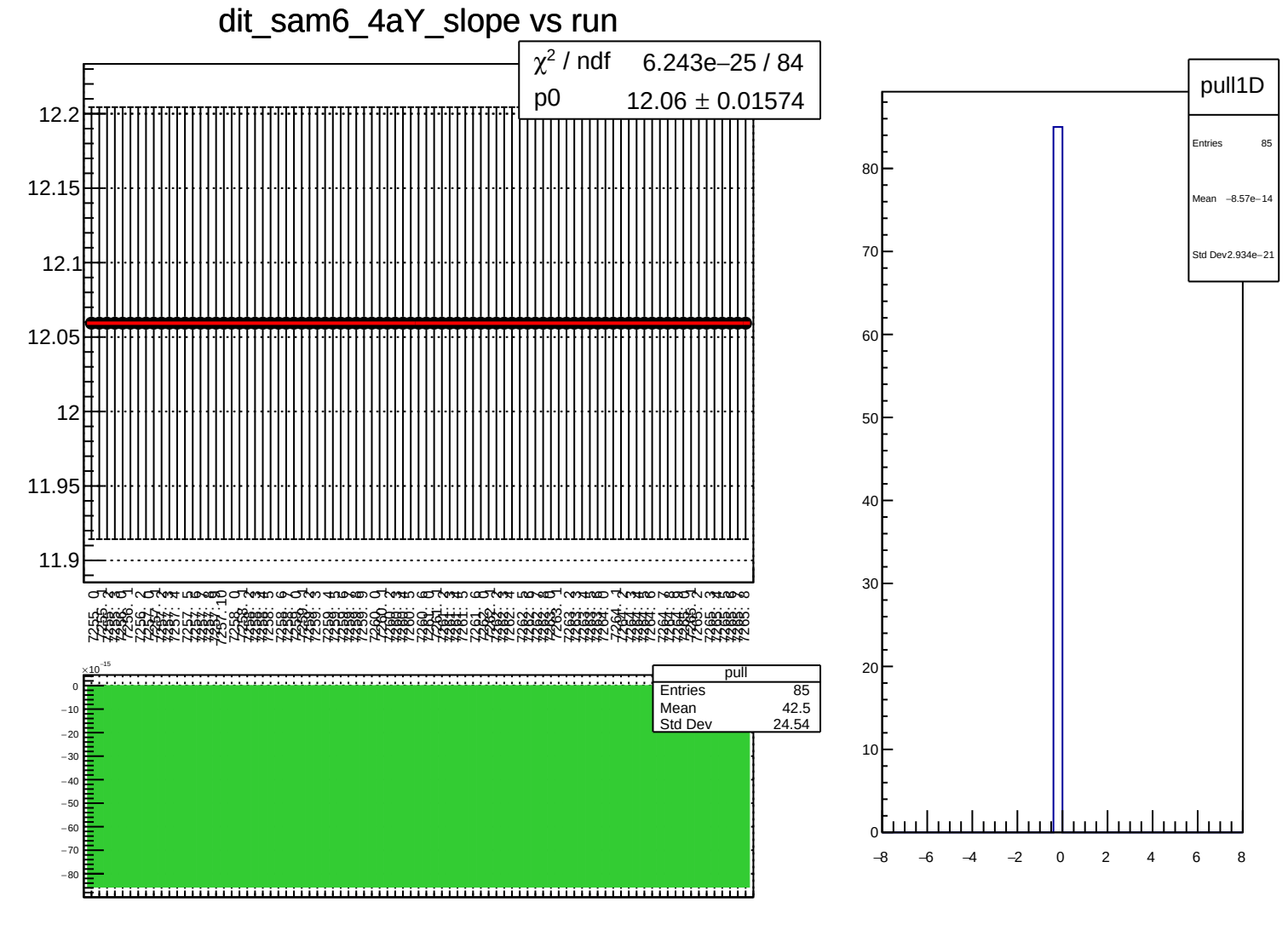

pull1D
Entries 85
Mean 1.972e−13
Std Dev1.044e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

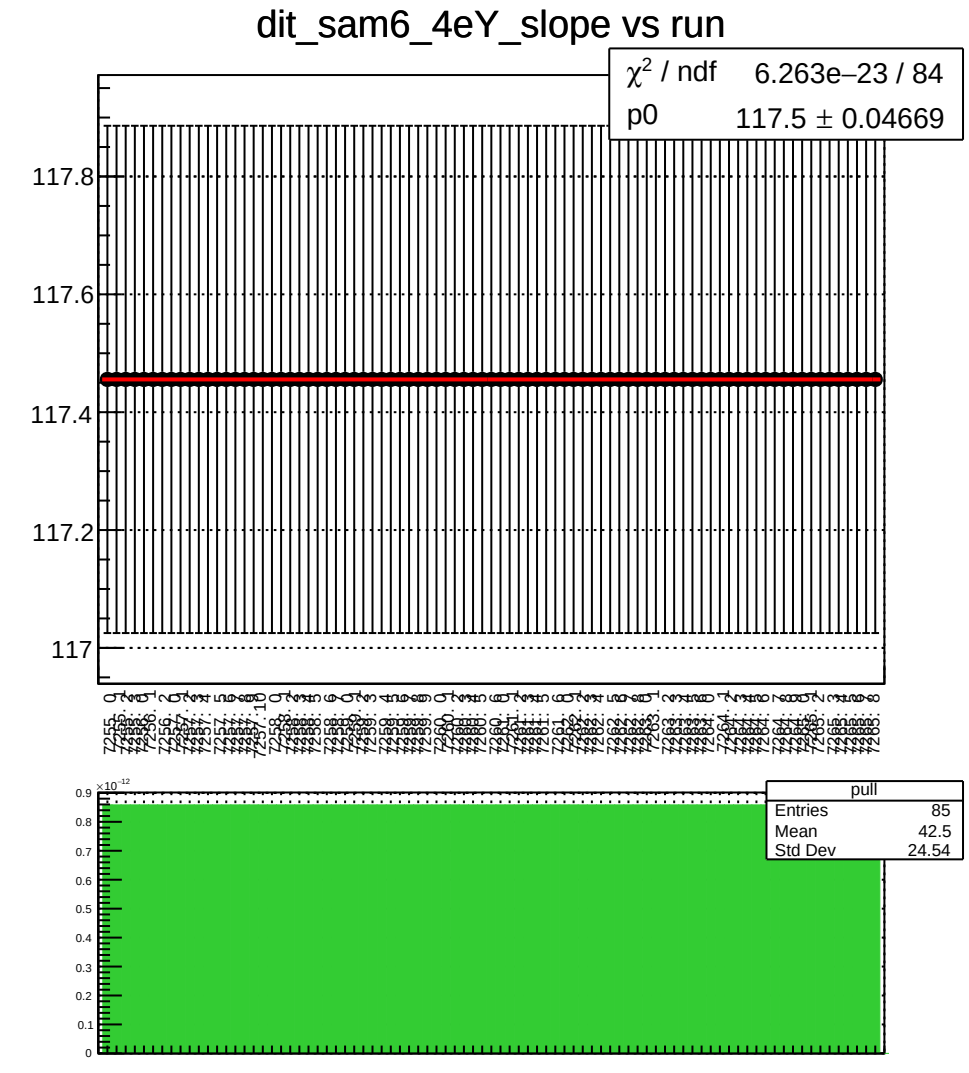

dit_sam6_4aX_slope vs run
χ² / ndf 0 / 84
p0 28.58 ± 0.2261
pull
Entries 85
Mean 0
Std Dev 0
pull1D
Entries 85
Mean 0
Std Dev 0

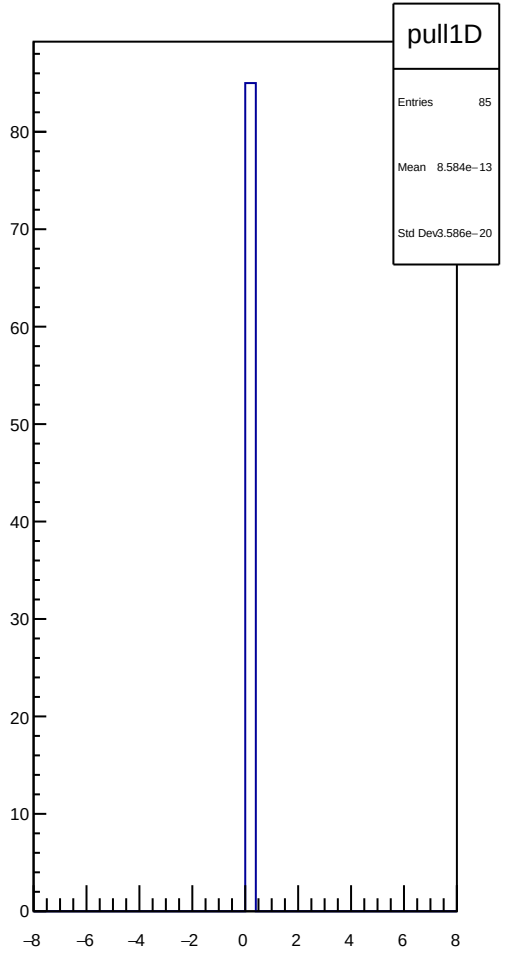

dit_sam6_4eX_slope vs run
χ² / ndf 7.153e−26 / 84
p0 55.98 ± 0.2125
58
57.5
57
56.5
56
55.5
55
54.5
54
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 85
Mean −2.901e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

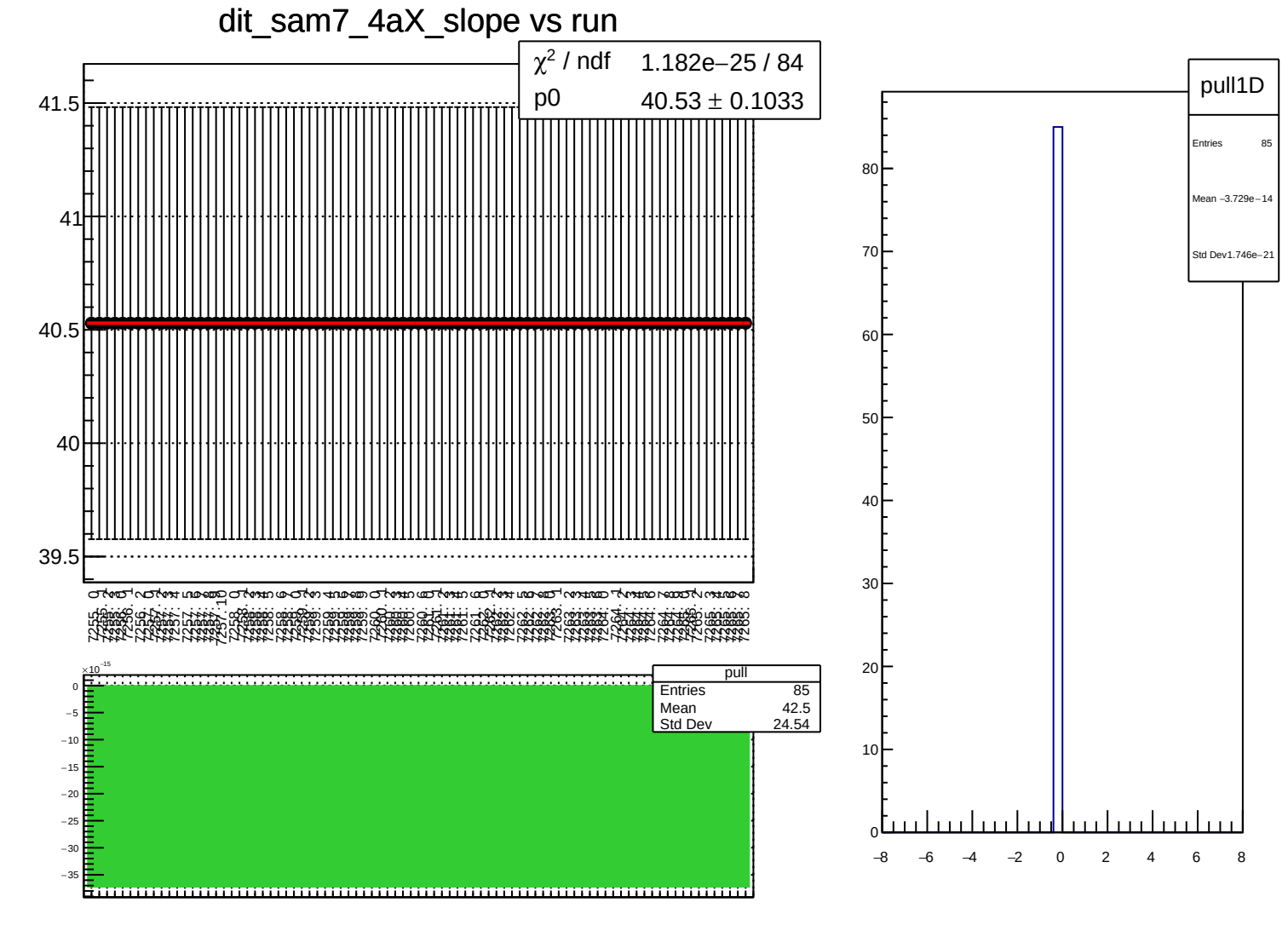

dit_sam6_11X12X_slope vs run
χ² / ndf 6.596e−26 / 84
p0 0.5542 ± 0.00389
0.59
0.58
0.57
0.56
0.55
0.54
0.53
0.52
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25

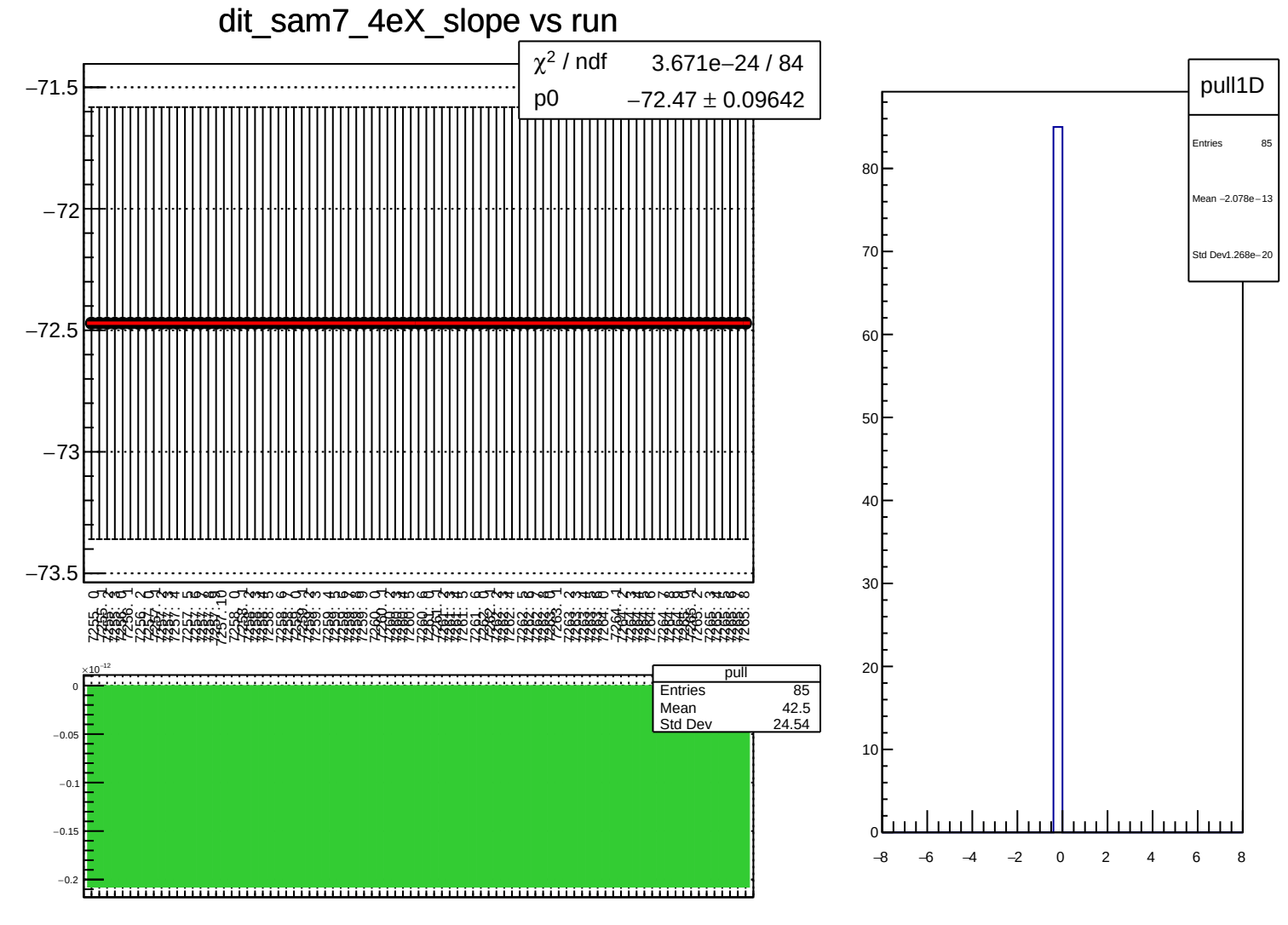

pull1D
Entries 85
Mean −2.786e−14
Std Dev1.613e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

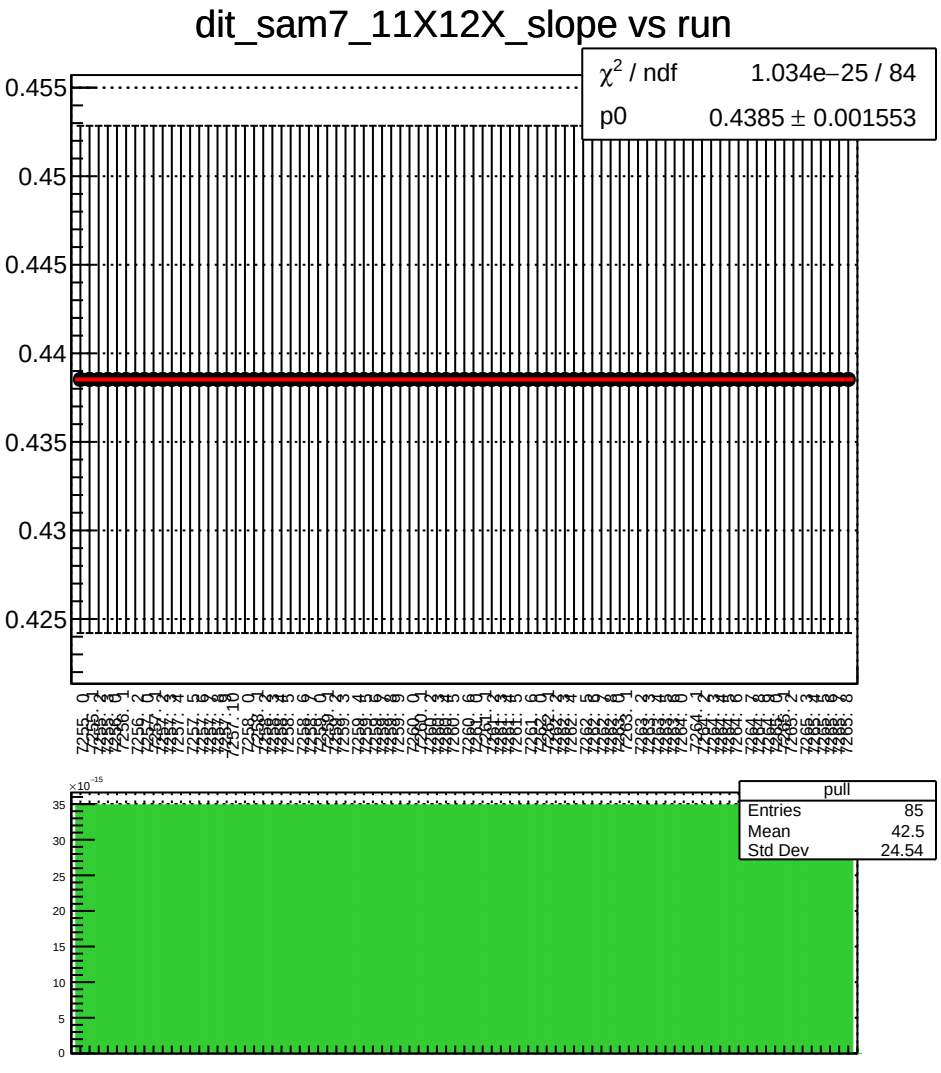

dit_sam6_4aY_slope vs run
χ² / ndf 6.243e−25 / 84
p0 12.06 ± 0.01574
12.2
12.15
12.1
12.05
12
11.95
11.9
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull1D
Entries 85
Mean −8.57e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

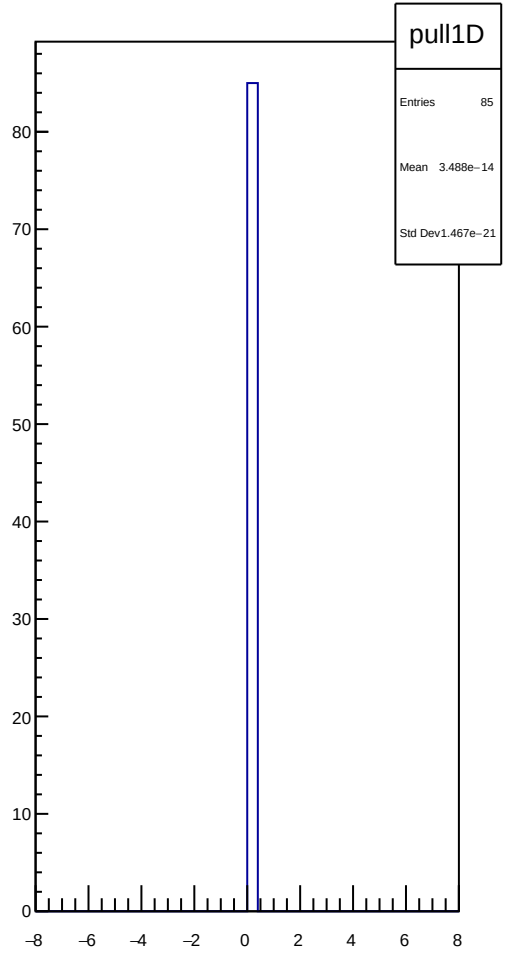

dit_sam6_4eY_slope vs run
χ² / ndf 6.263e−23 / 84
p0 117.5 ± 0.04669
117.8
117.6
117.4
117.2
117
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

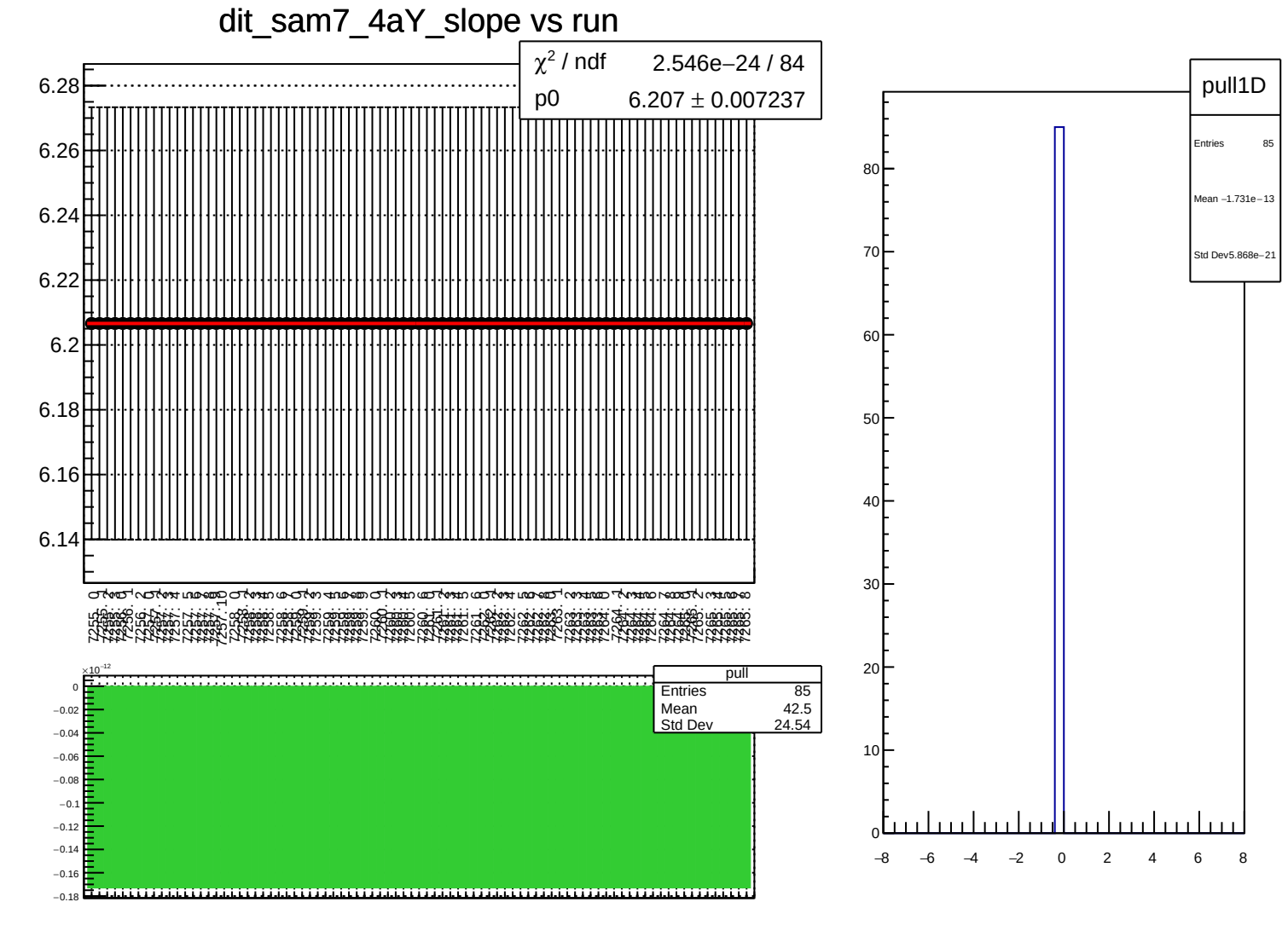

pull1D
Entries 85
Mean 8.584e−13
Std Dev 3.586e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

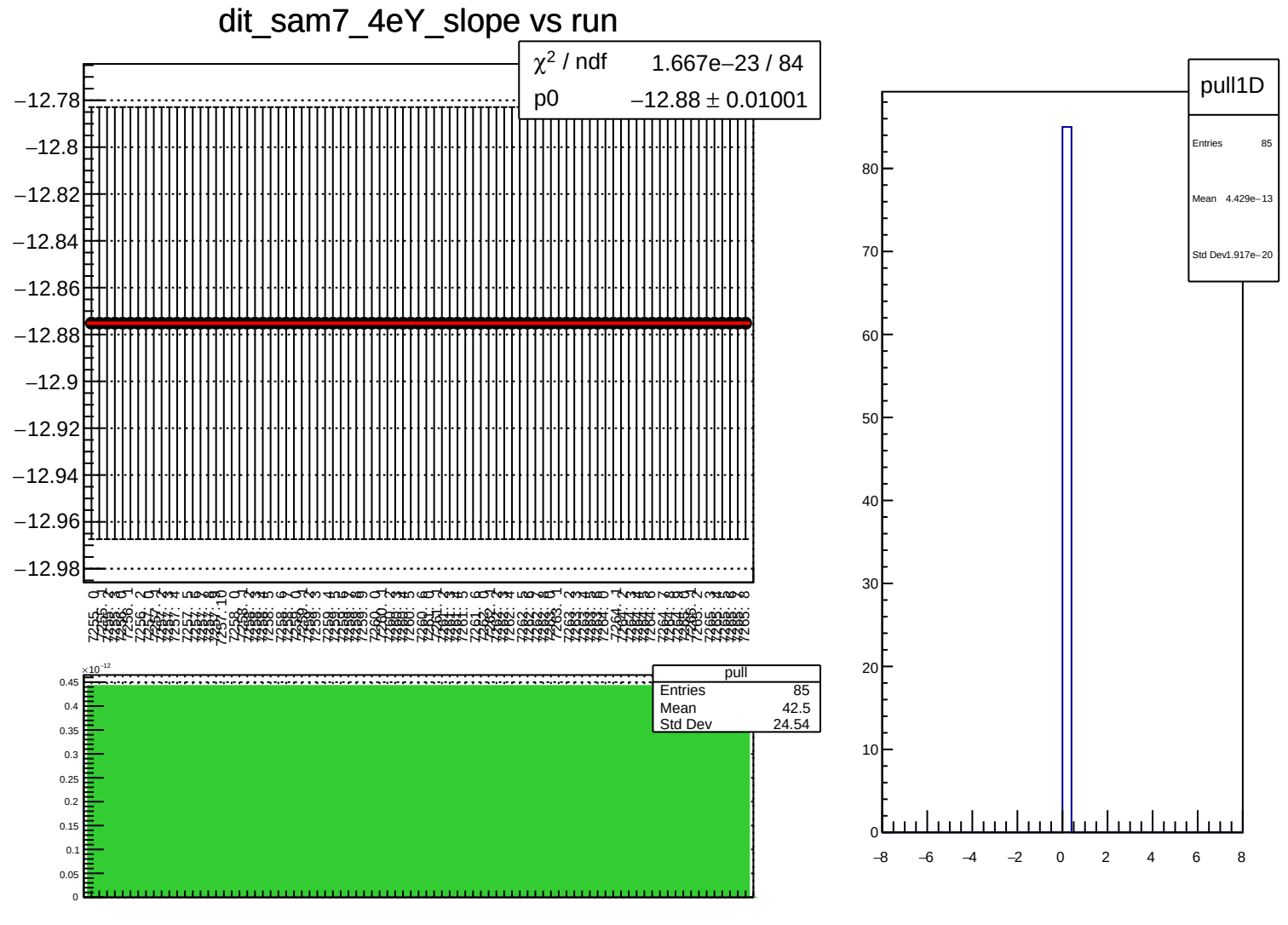

dit_sam7_4aX_slope vs run
χ^2 / ndf 1.182e−25 / 84
p0 40.53 ± 0.1033
41.5
41
40.5
40
39.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 85
Mean −3.729e−14
Std Dev1.746e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

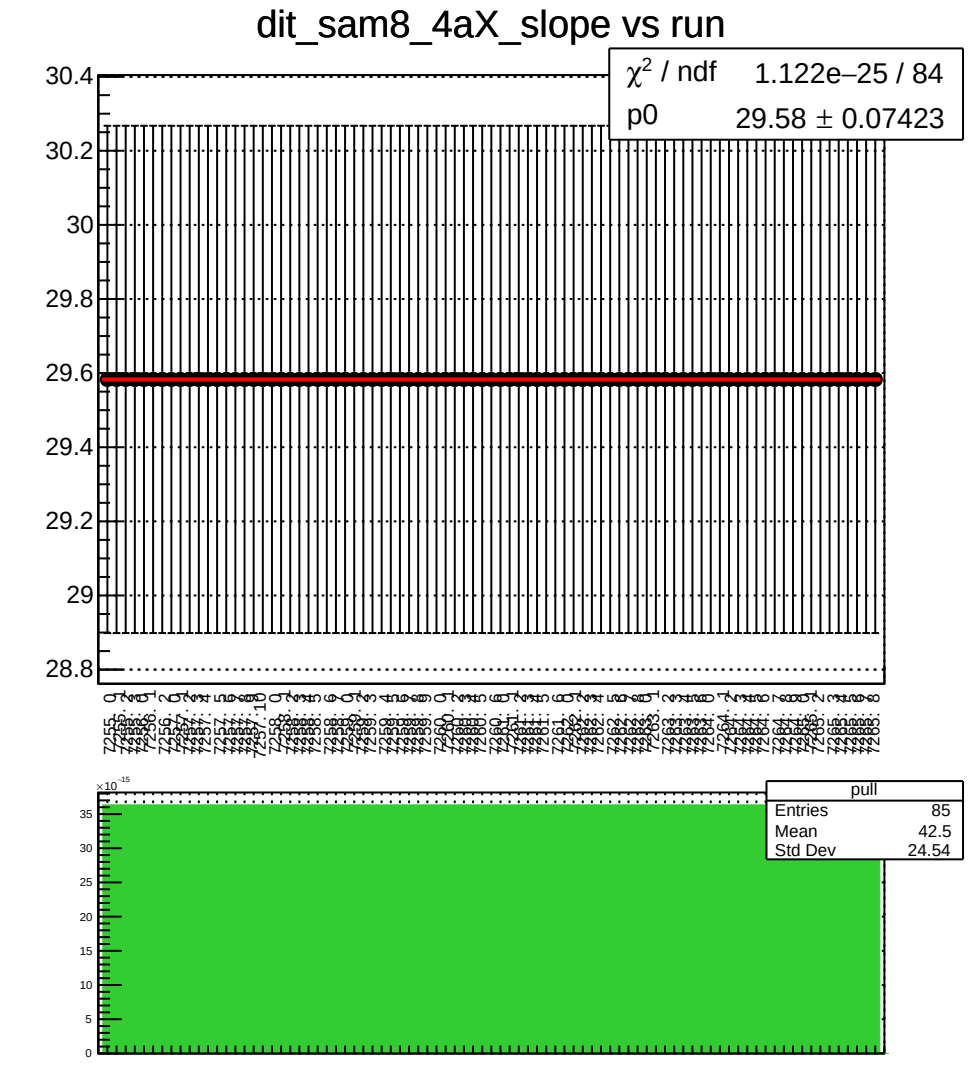

dit_sam7_4eX_slope vs run
χ² / ndf 3.671e−24 / 84
p0 −72.47 ± 0.09642
−71.5
−72
−72.5
−73
−73.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 85
Mean −2.078e−13
Std Dev1.268e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

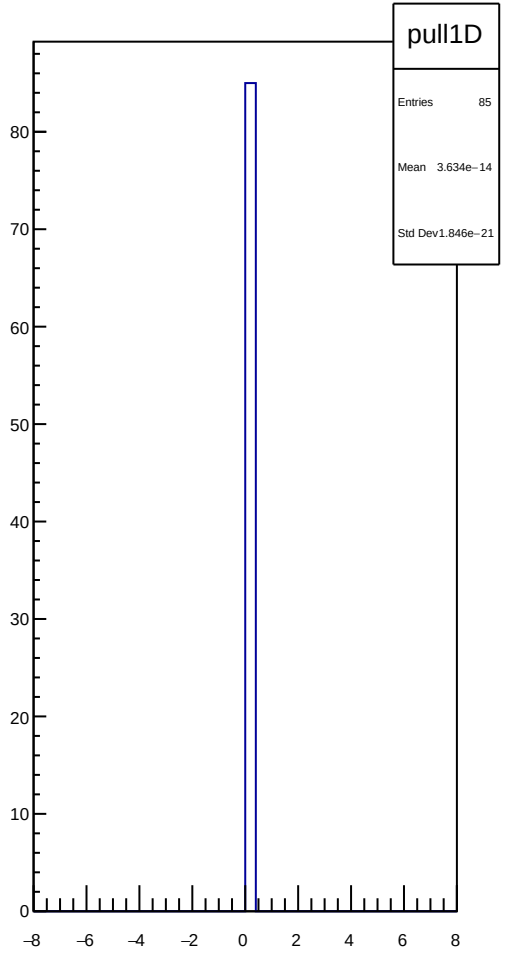

dit_sam7_11X12X_slope vs run
χ² / ndf 1.034e−25 / 84
p0 0.4385 ± 0.001553
0.455
0.45
0.445
0.44
0.435
0.43
0.425
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
35
30
25
20
15
10
5
0

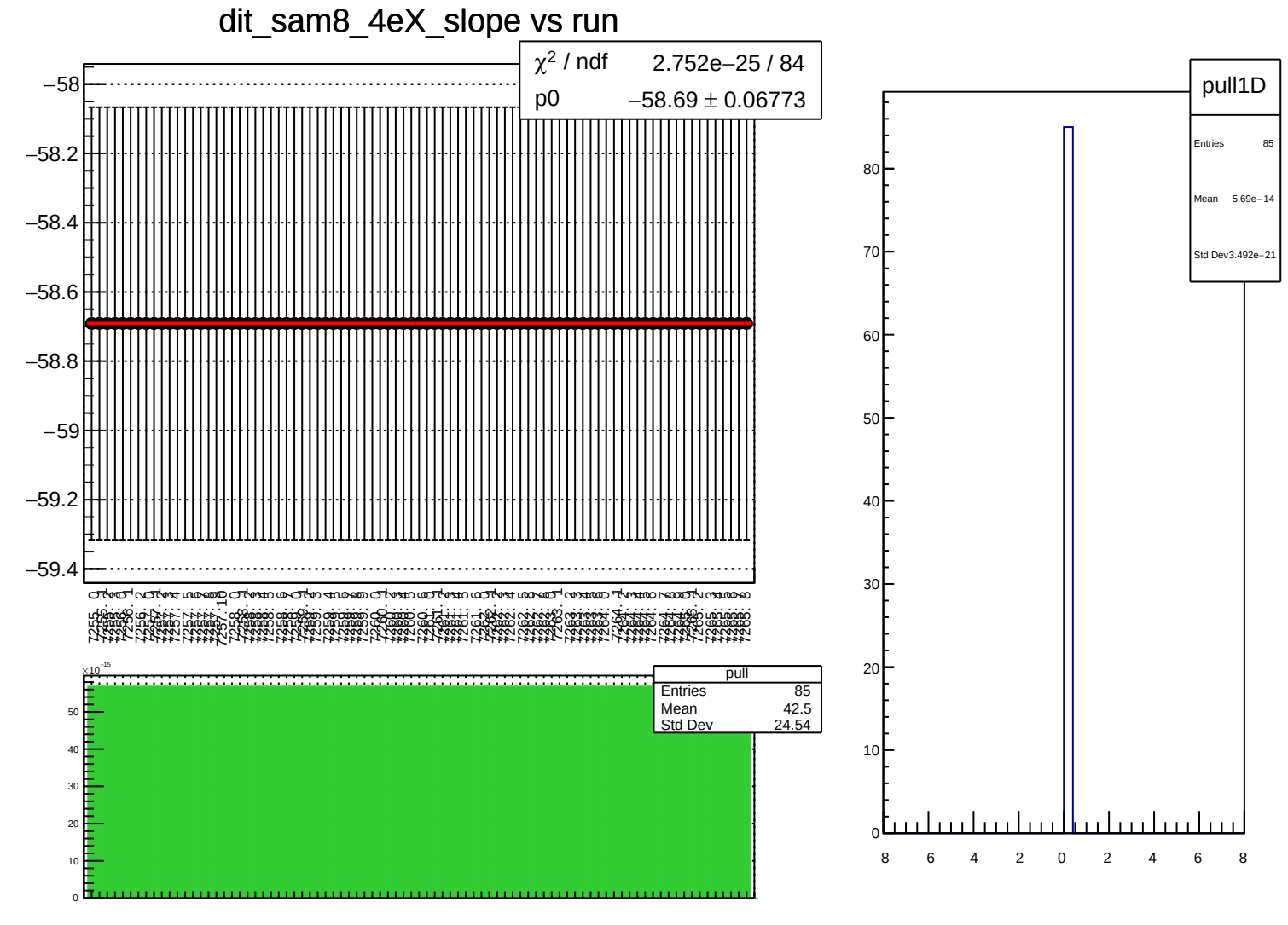

pull1D
Entries 85
Mean 3.488e−14
Std Dev 1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

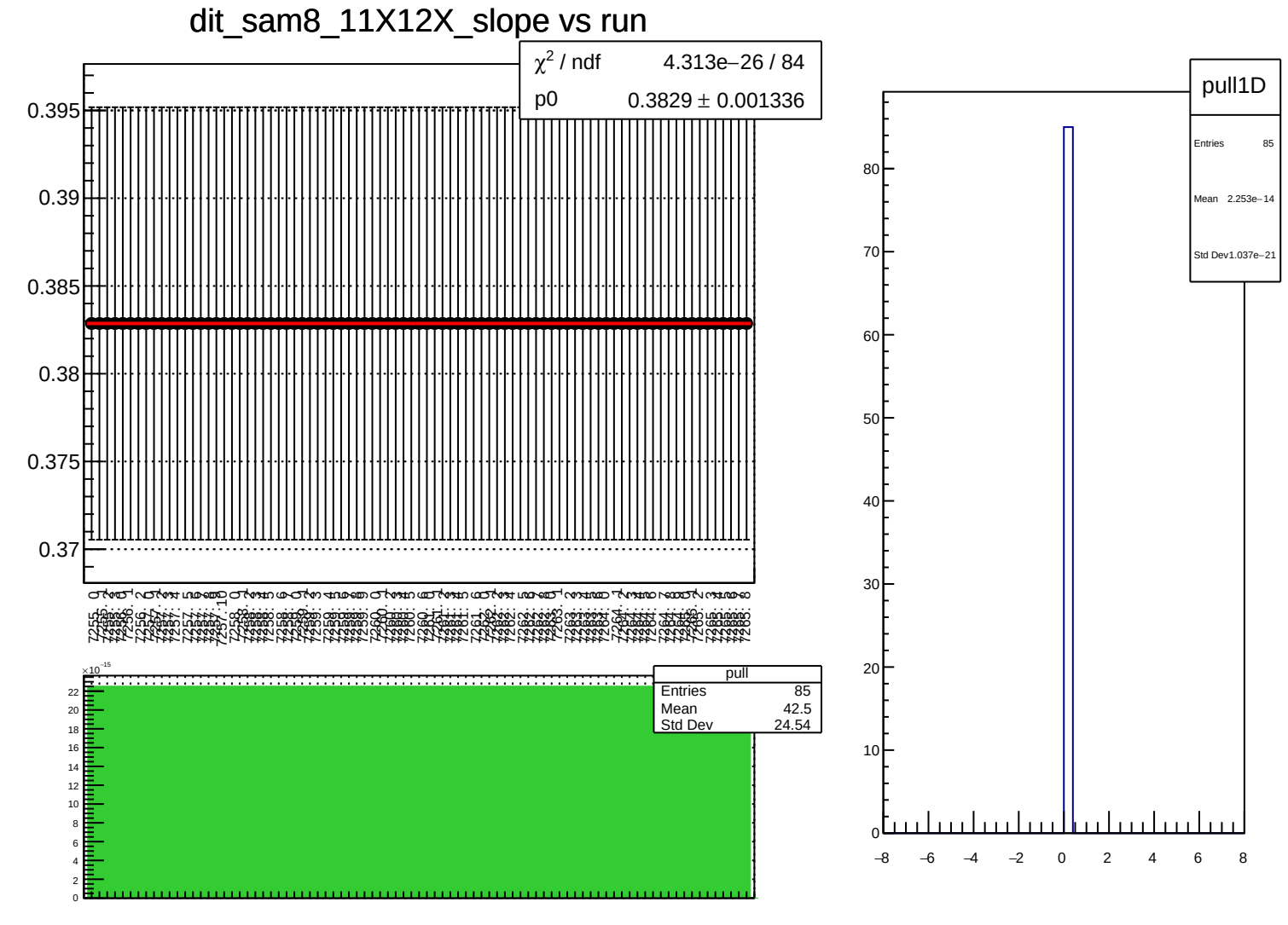

dit_sam7_4aY_slope vs run
χ² / ndf 2.546e−24 / 84
p0 6.207 ± 0.007237
6.28
6.26
6.24
6.22
6.2
6.18
6.16
6.14
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 85
Mean −1.731e−13
Std Dev5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

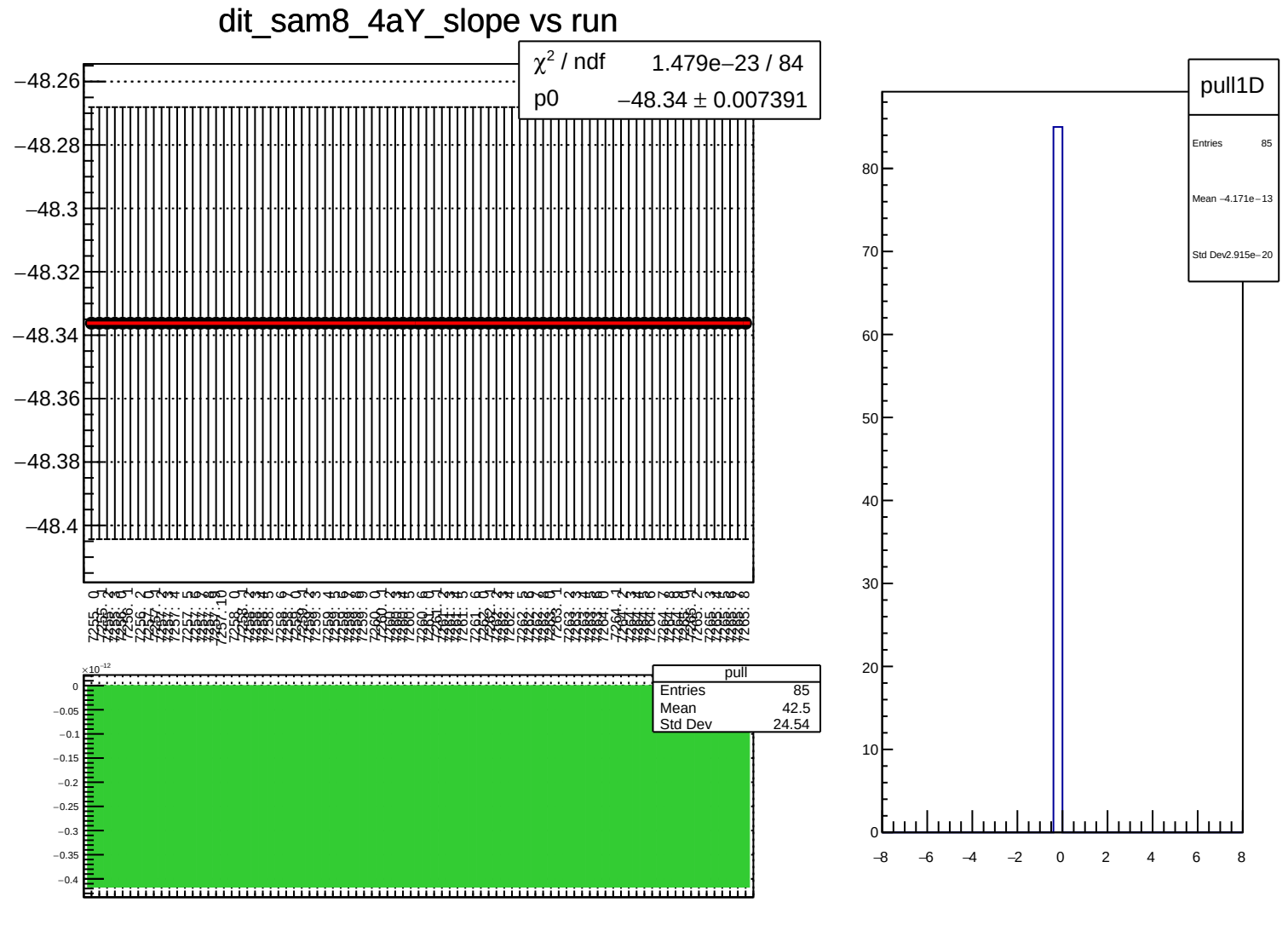

dit_sam7_4eY_slope vs run
χ² / ndf 1.667e−23 / 84
p0 −12.88 ± 0.01001
−12.78
−12.8
−12.82
−12.84
−12.86
−12.88
−12.9
−12.92
−12.94
−12.96
−12.98
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 85
Mean 4.429e−13
Std Dev1.917e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

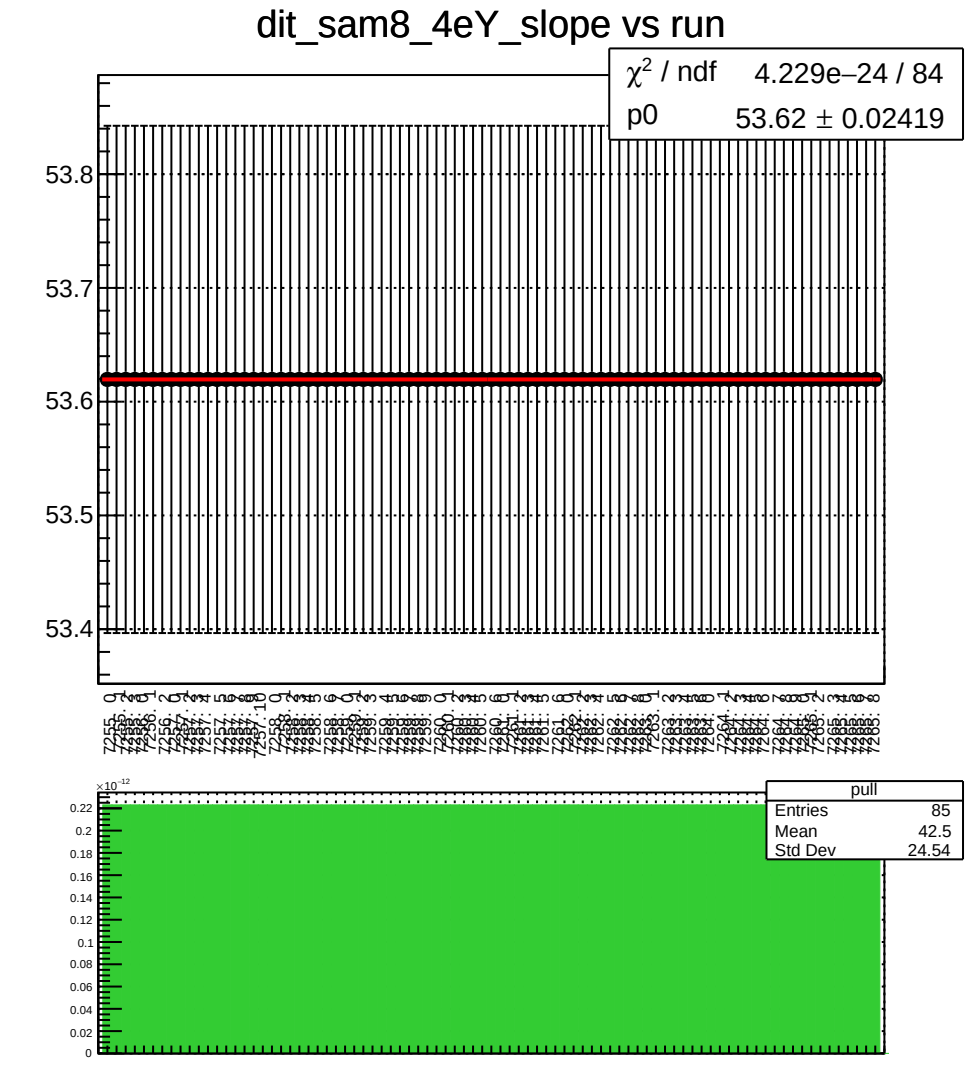

dit_sam8_4aX_slope vs run
χ² / ndf 1.122e−25 / 84
p0 29.58 ± 0.07423
30.4
30.2
30
29.8
29.6
29.4
29.2
29
28.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
35
30
25
20
15
10
5
0

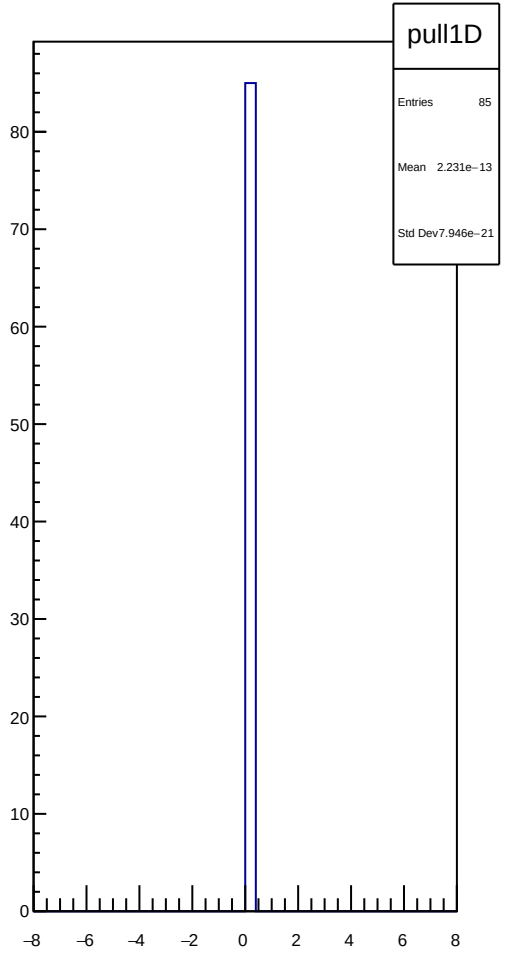

pull1D
Entries 85
Mean 3.634e−14
Std Dev1.846e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

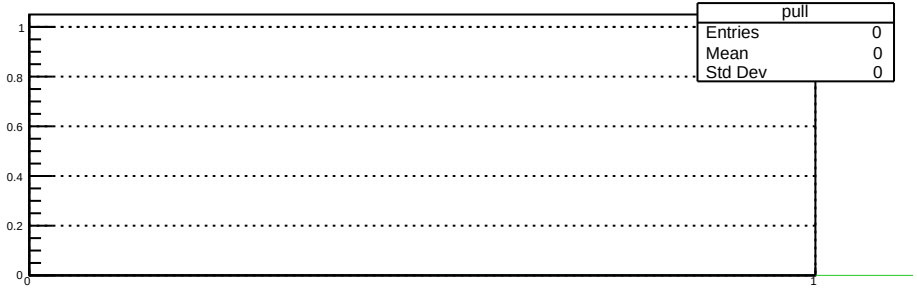

dit_sam8_4eX_slope vs run
χ² / ndf 2.752e−25 / 84
p0 −58.69 ± 0.06773
−58
−58.2
−58.4
−58.6
−58.8
−59
−59.2
−59.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
pull1D
Entries 85
Mean 5.69e−14
Std Dev3.492e−21

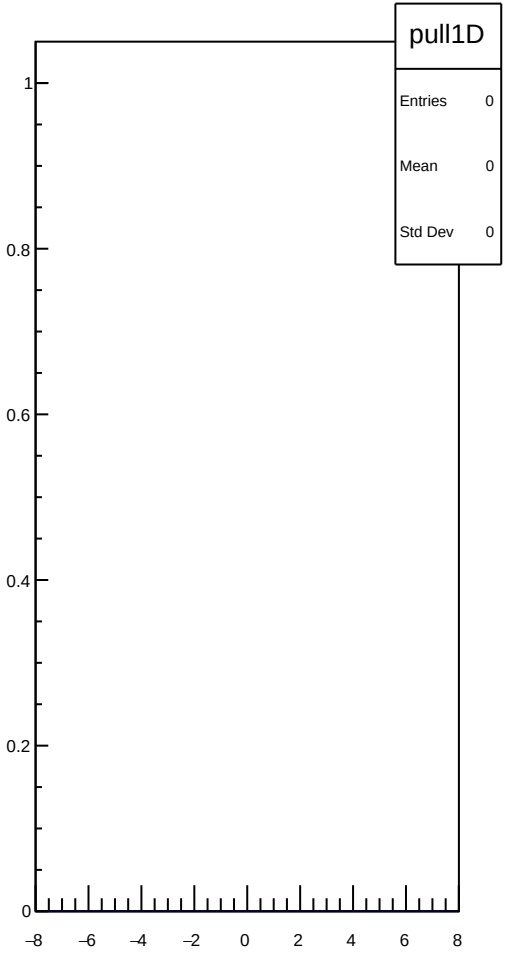

dit_sam8_11X12X_slope vs run
χ² / ndf 4.313e−26 / 84
p0 0.3829 ± 0.001336
0.395
0.39
0.385
0.38
0.375
0.37
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0
pull1D
Entries 85
Mean 2.253e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

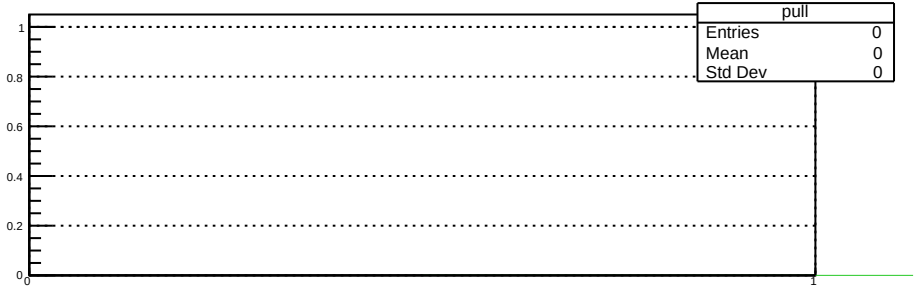

dit_sam8_4aY_slope vs run
χ² / ndf 1.479e−23 / 84
p0 −48.34 ± 0.007391
−48.26
−48.28
−48.3
−48.32
−48.34
−48.36
−48.38
−48.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 85
Mean −4.171e−13
Std Dev 2.915e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

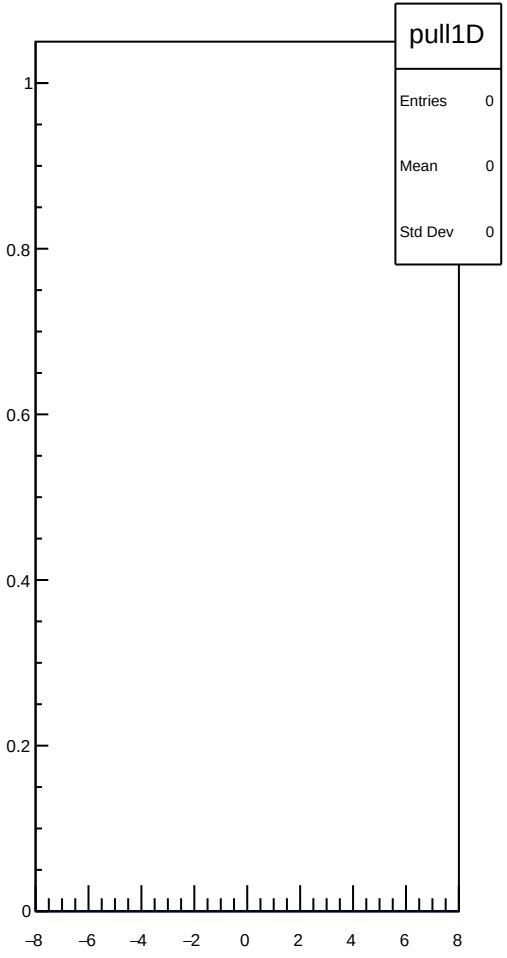

dit_sam8_4eY_slope vs run
χ² / ndf 4.229e−24 / 84
p0 53.62 ± 0.02419
53.8
53.7
53.6
53.5
53.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

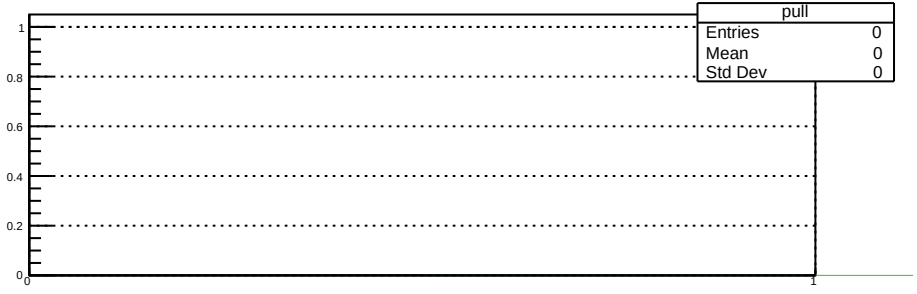

pull1D
Entries 85
Mean 2.231e−13
Std Dev 7.946e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

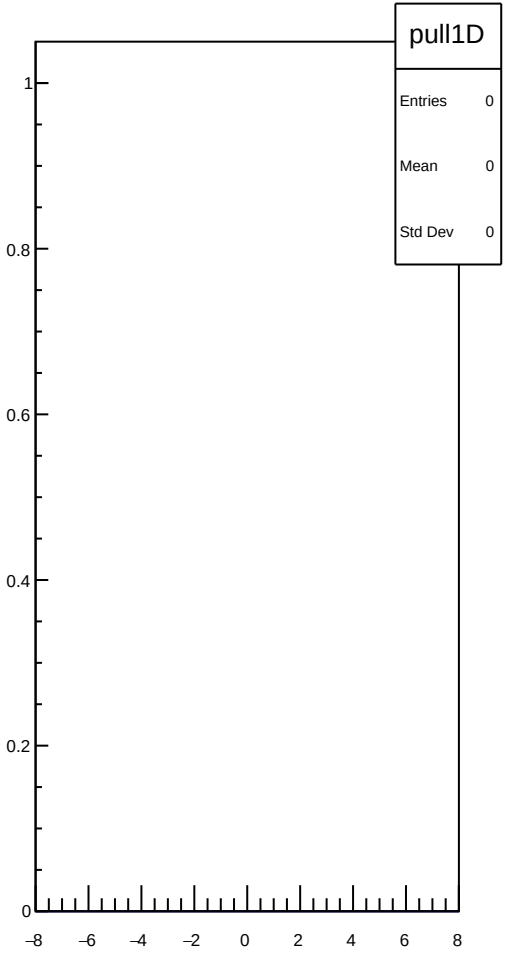

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

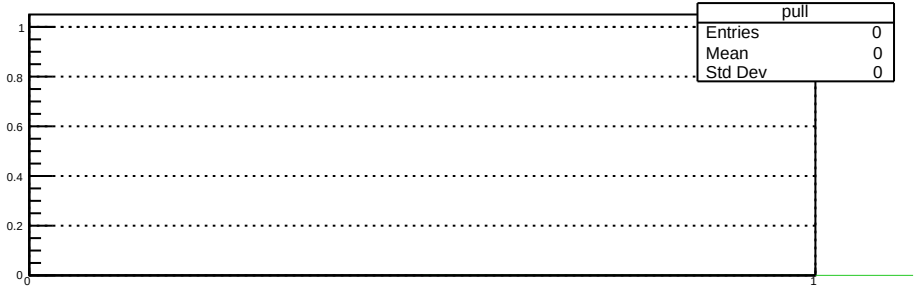

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

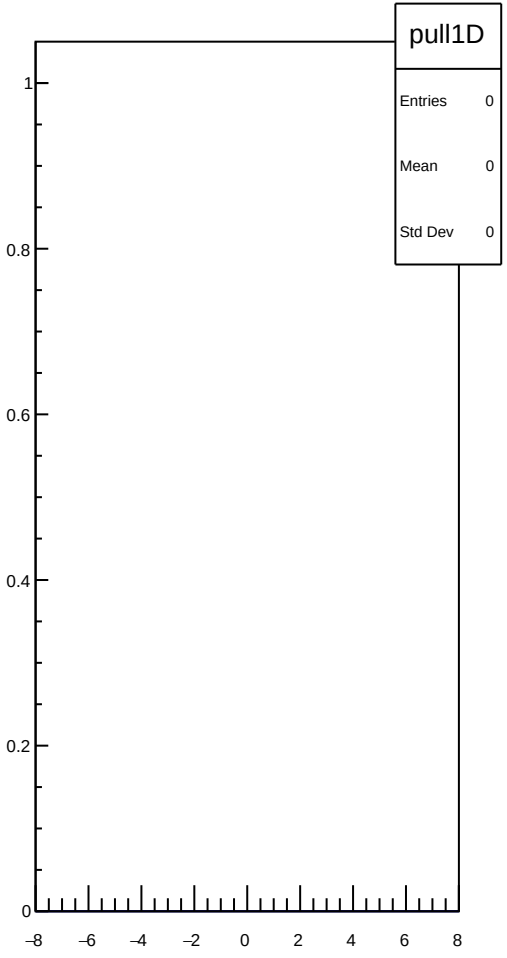

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

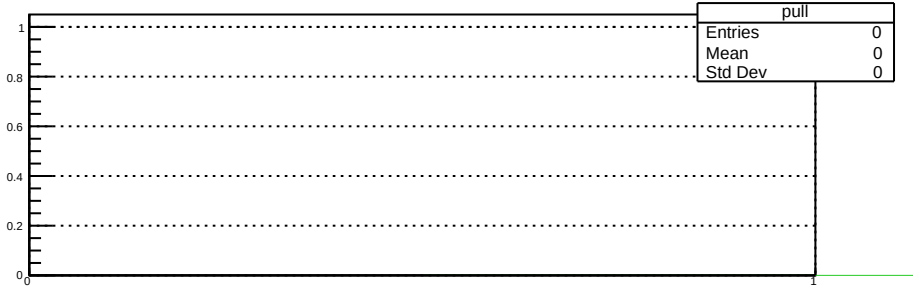

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

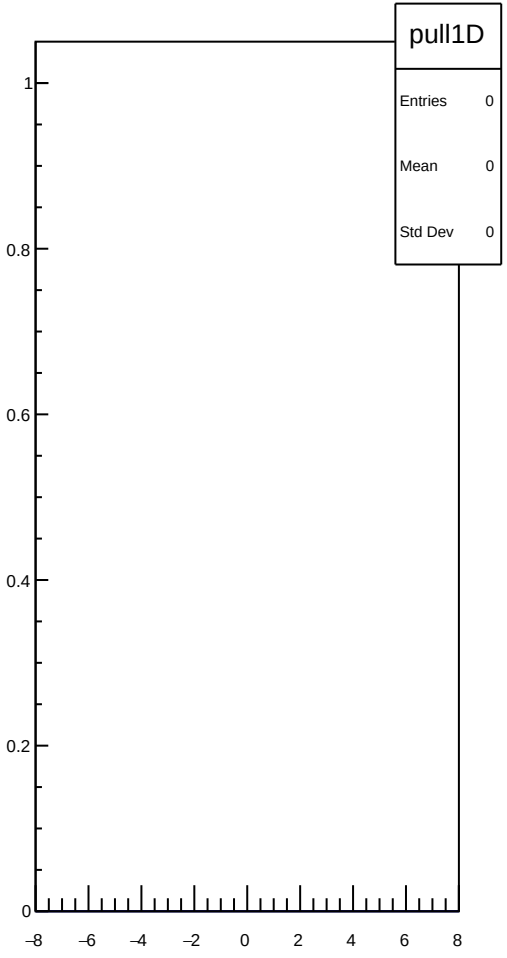

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

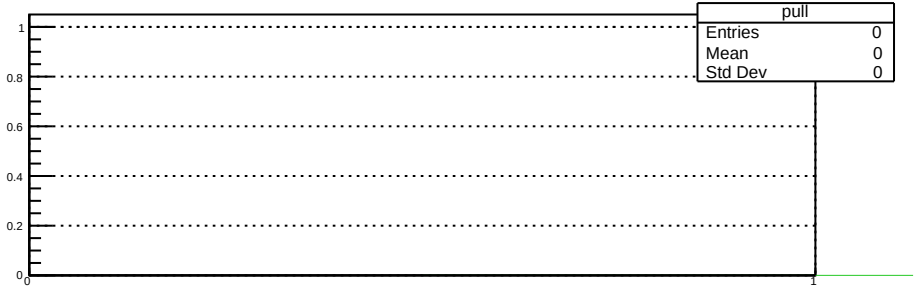

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

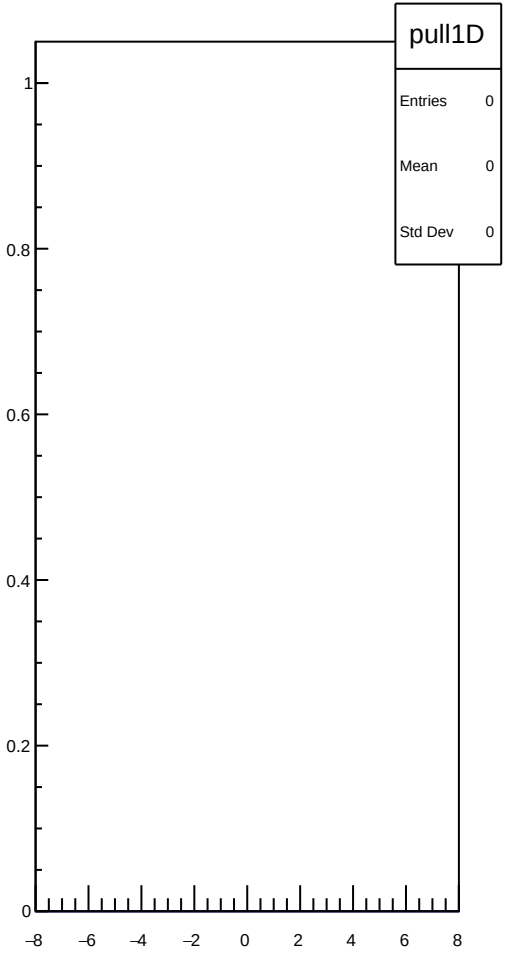

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

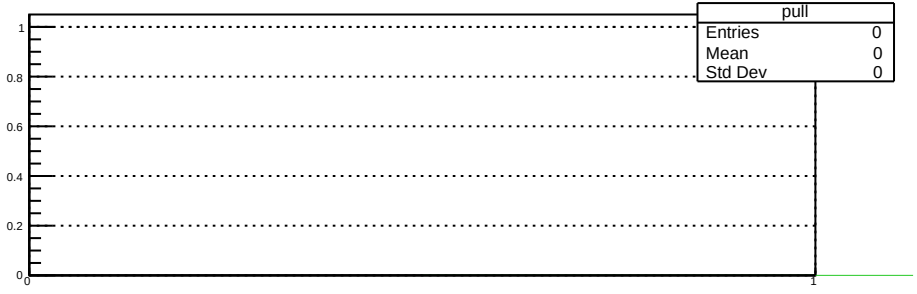

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

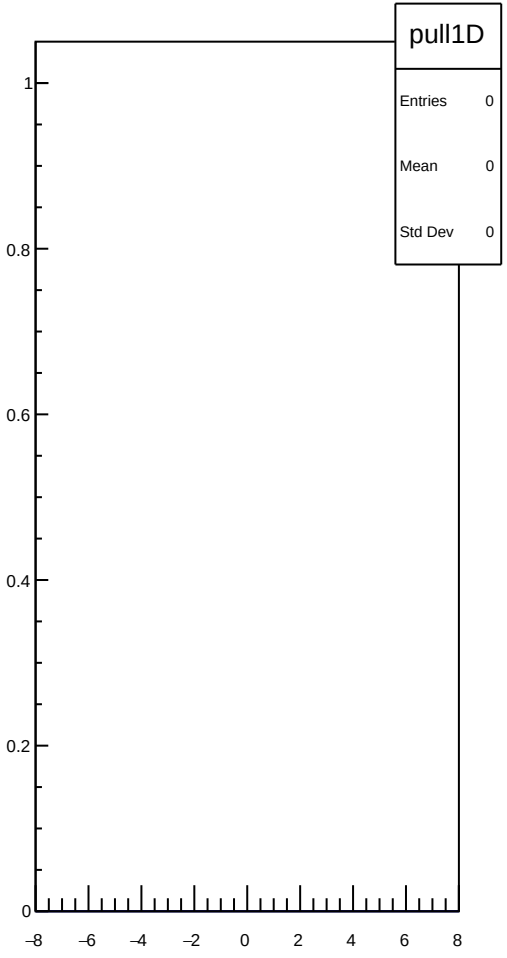

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

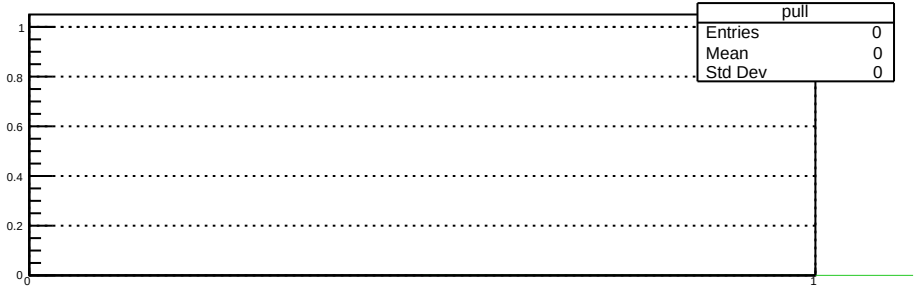

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

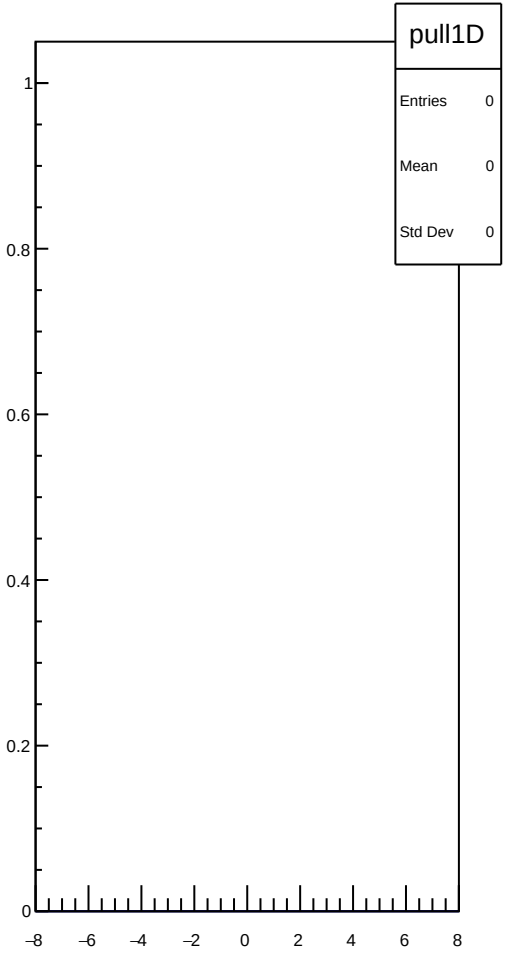

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

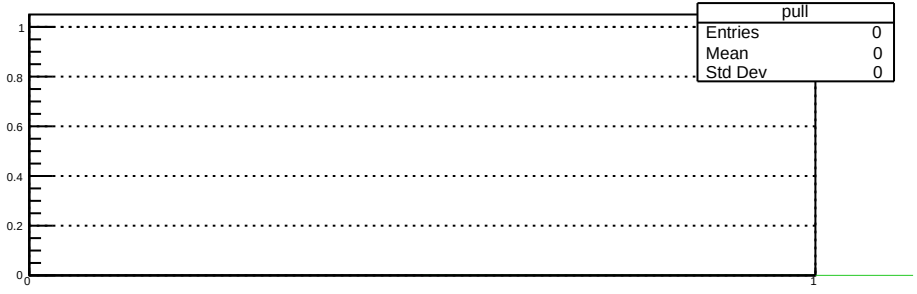

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

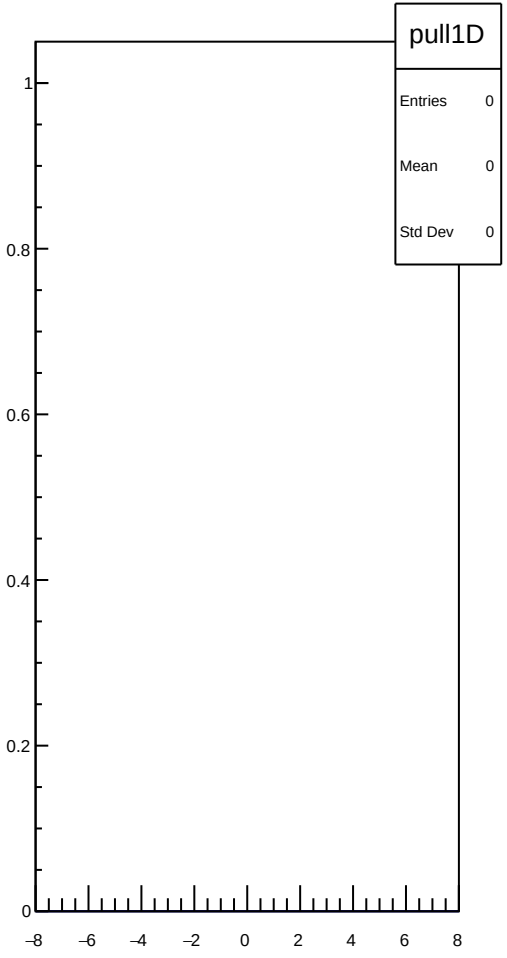

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

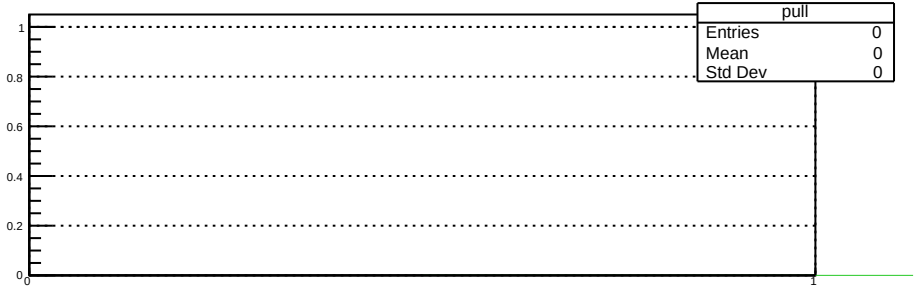

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

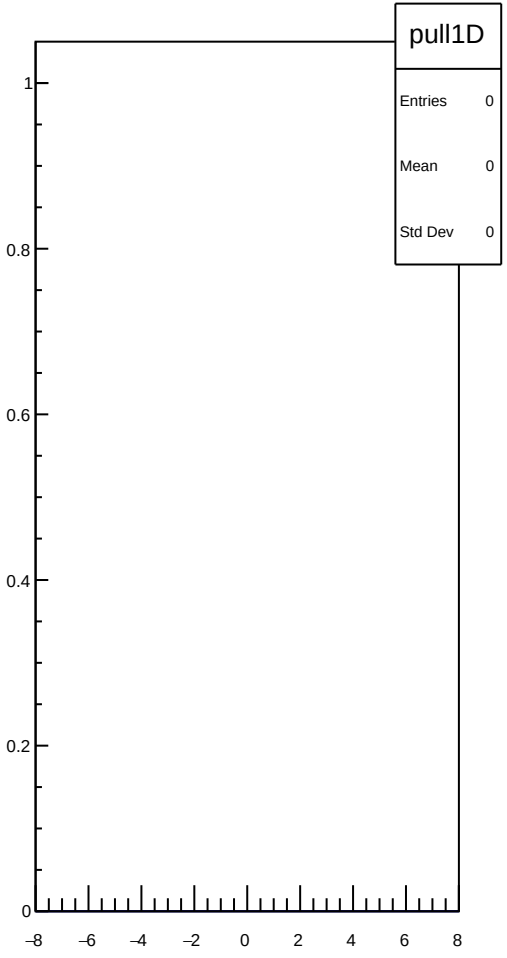

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
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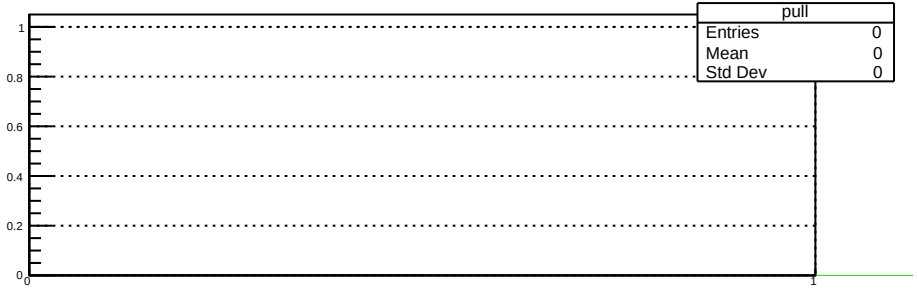

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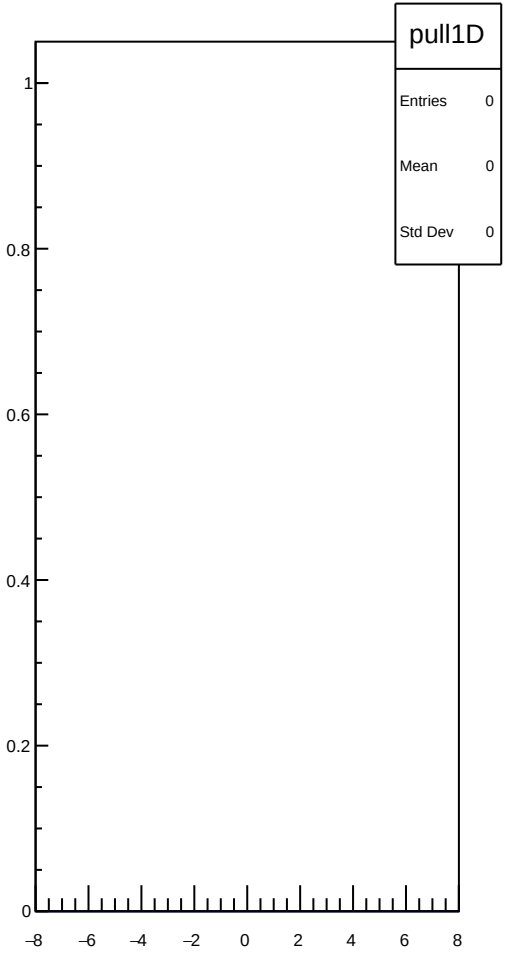

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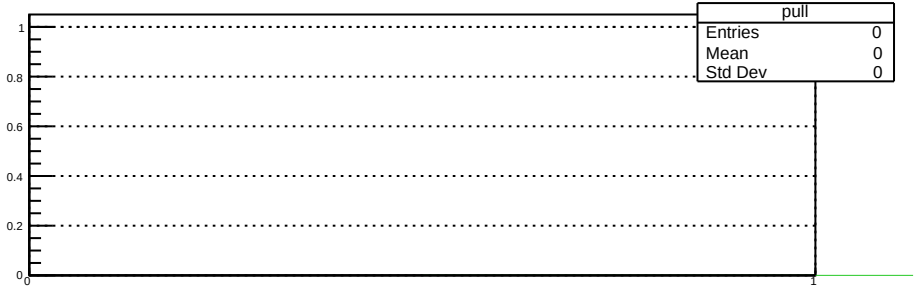

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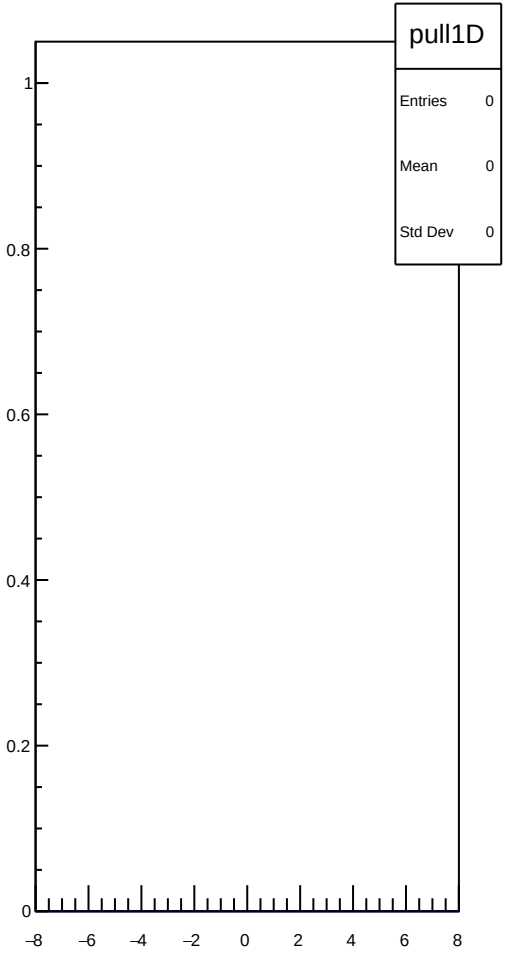

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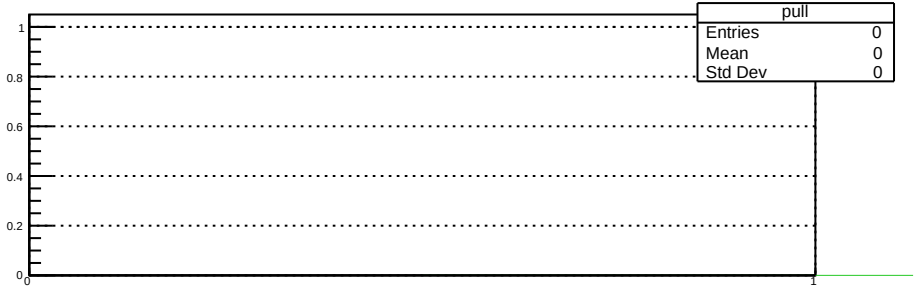

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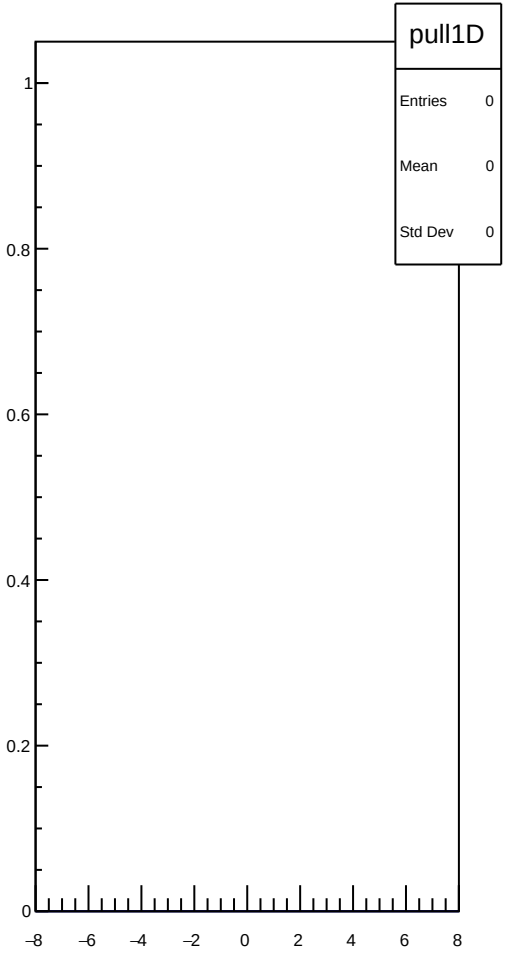

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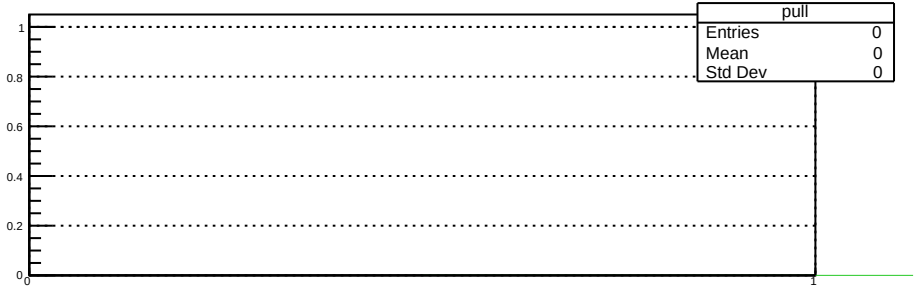

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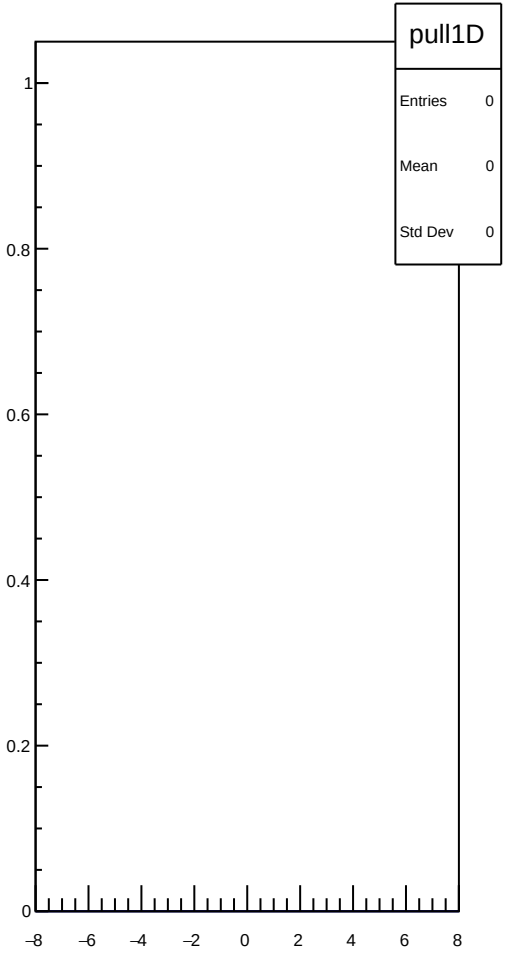

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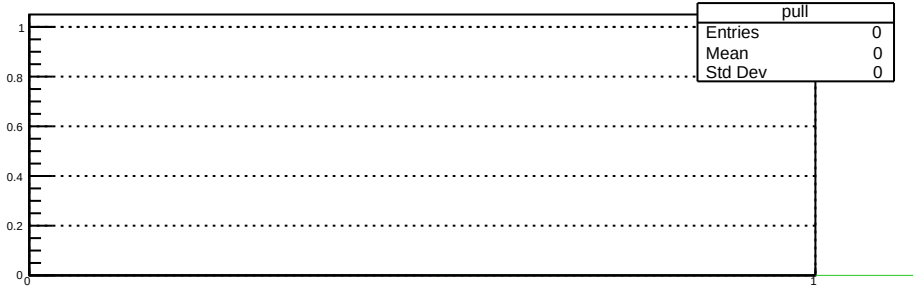

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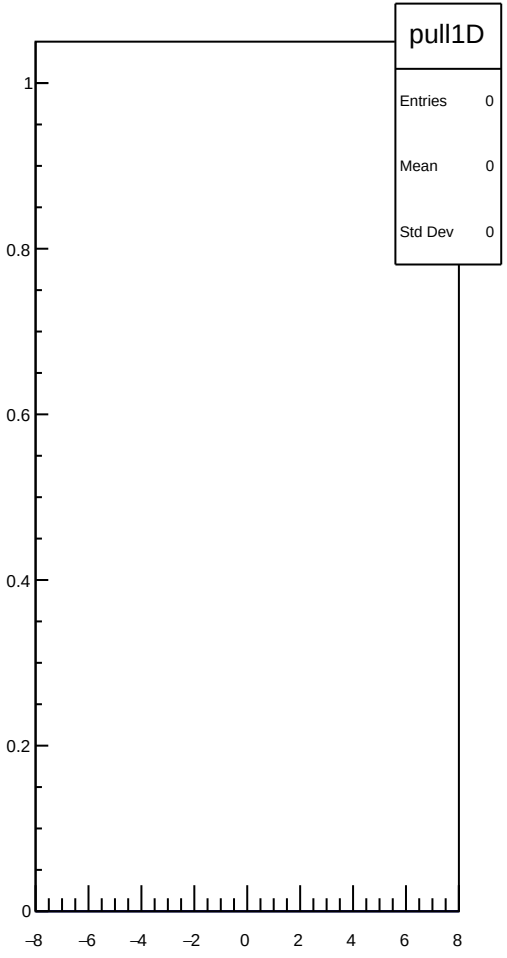

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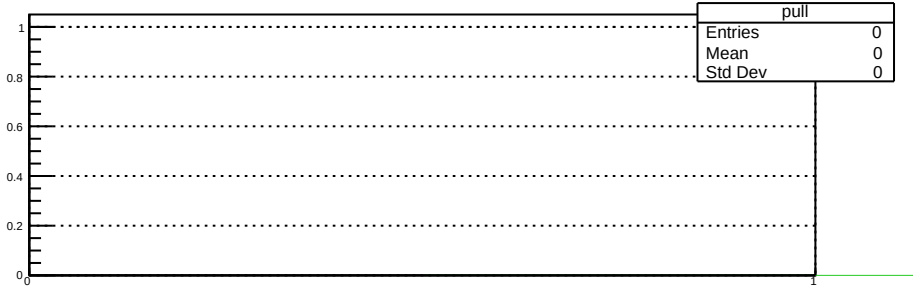

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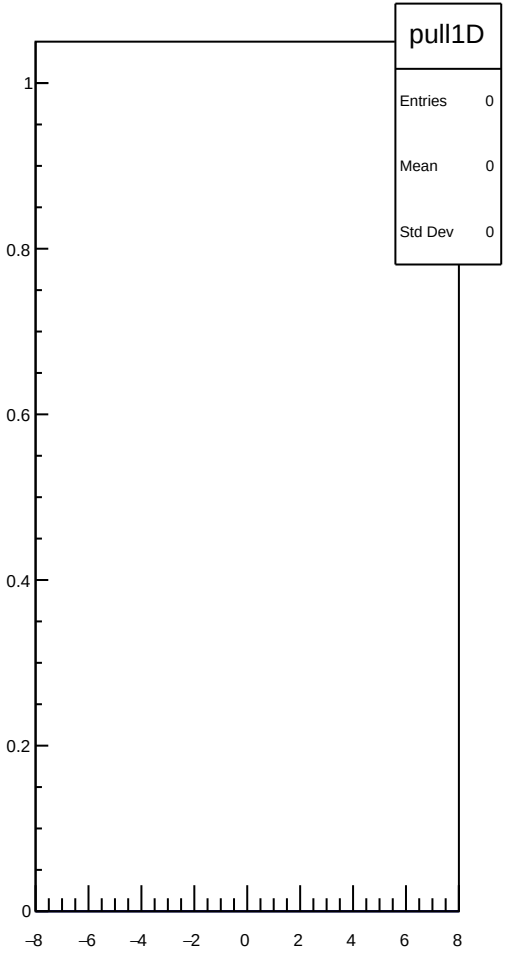

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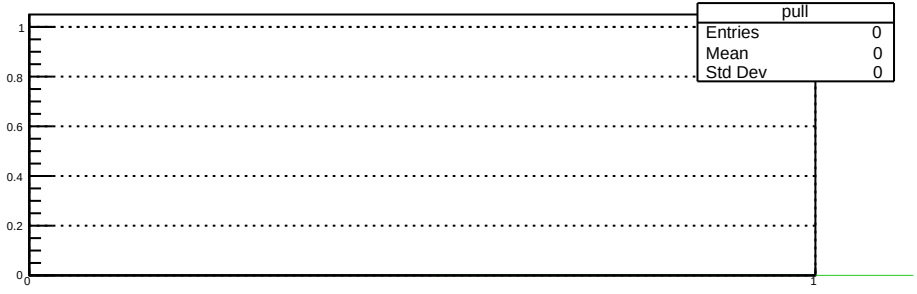

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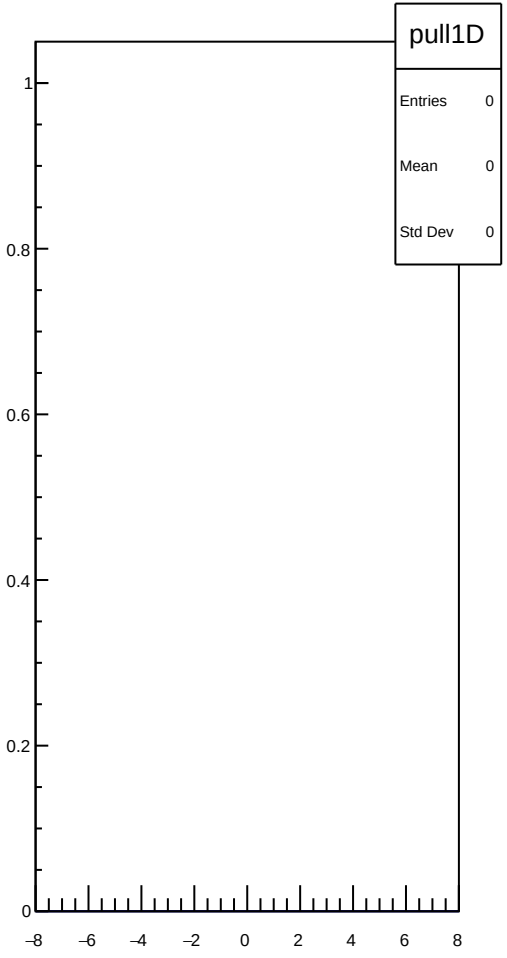

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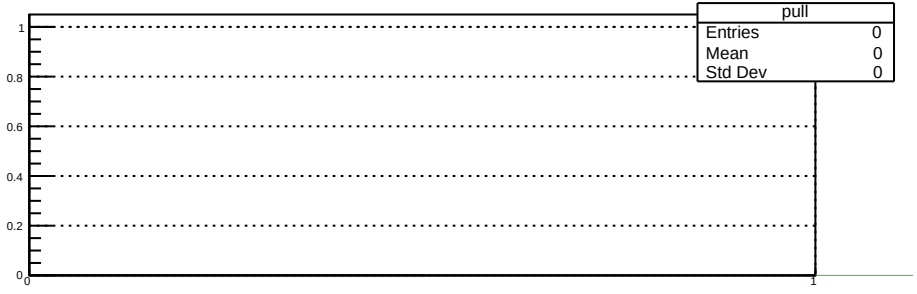

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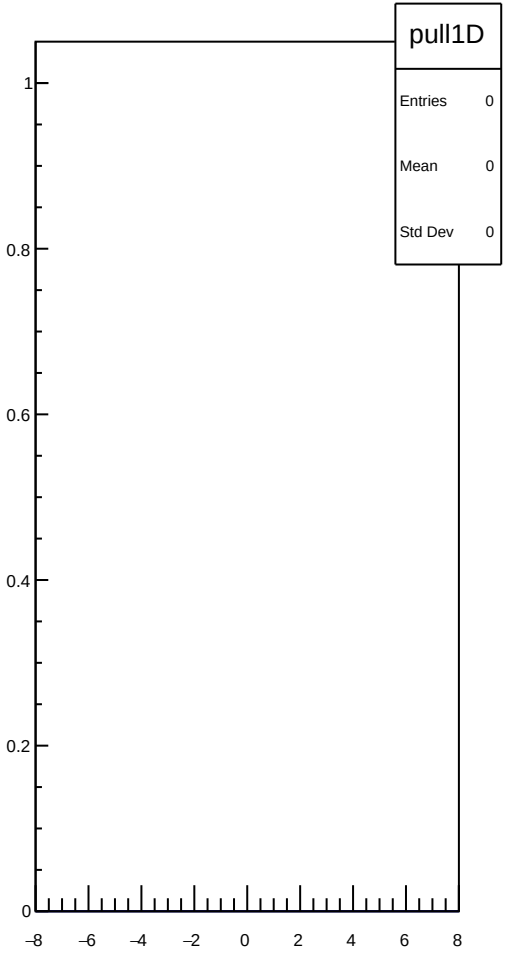

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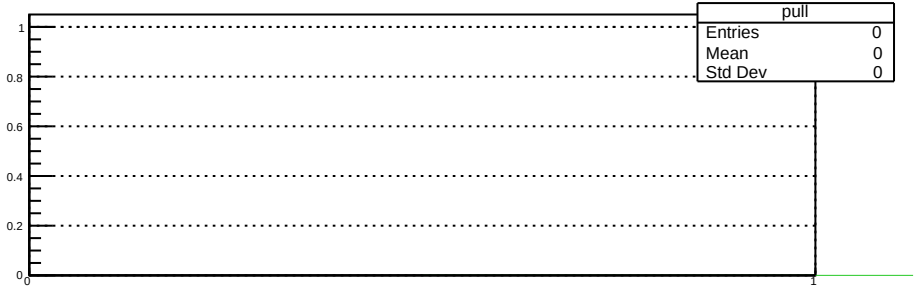

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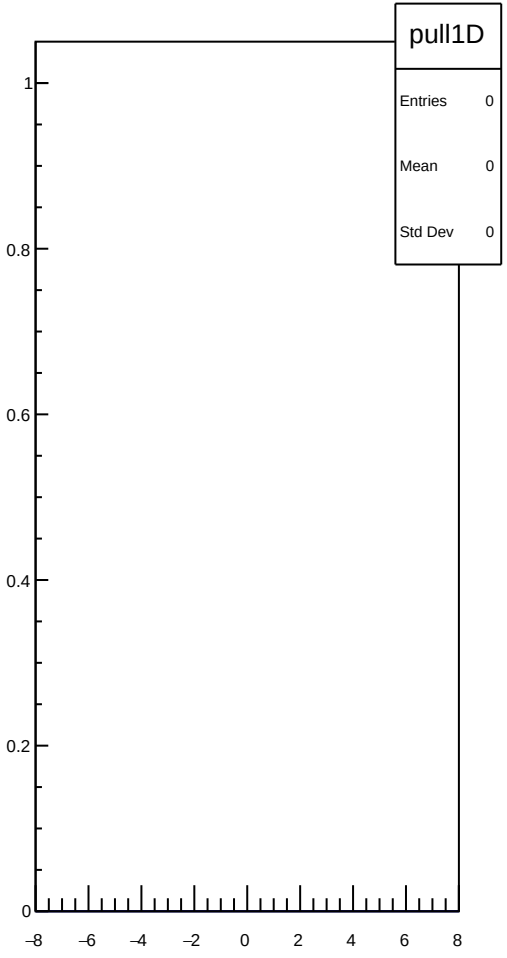

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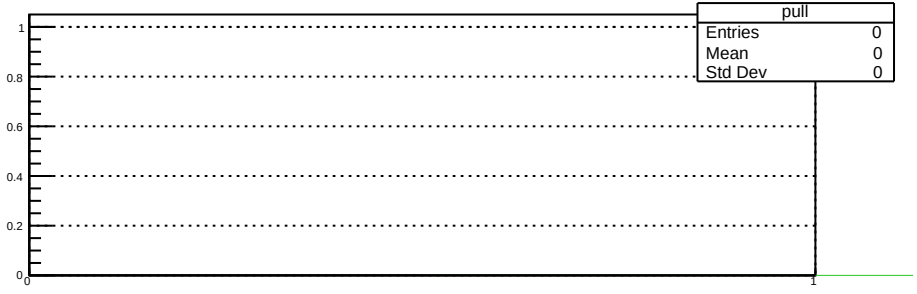

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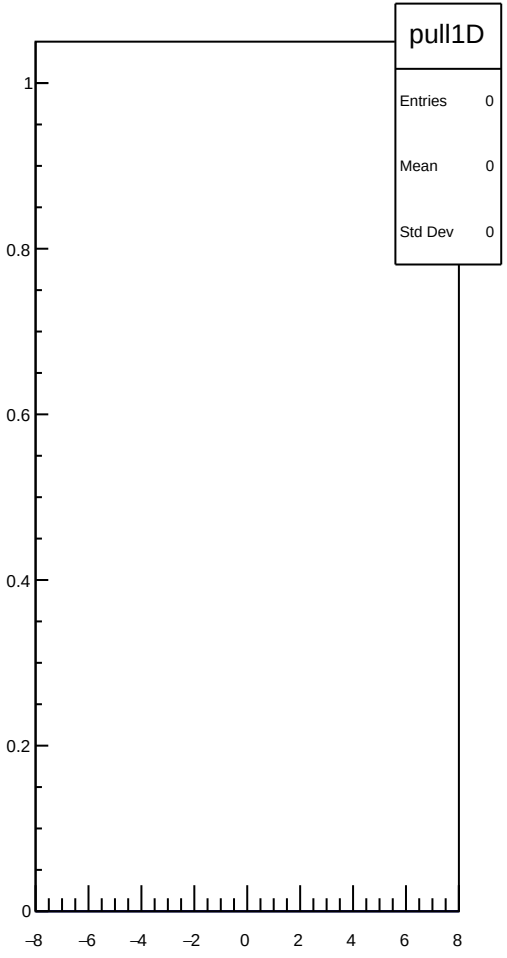

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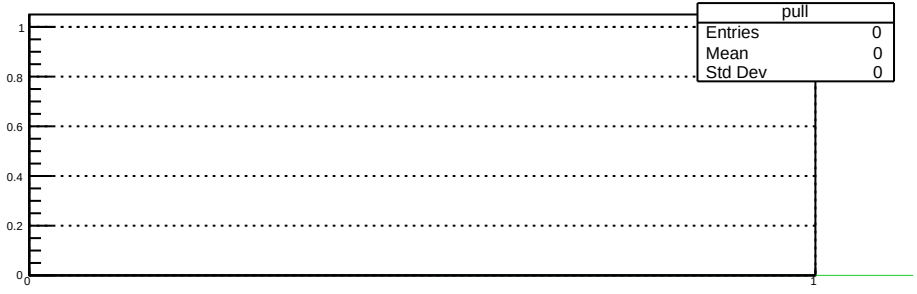

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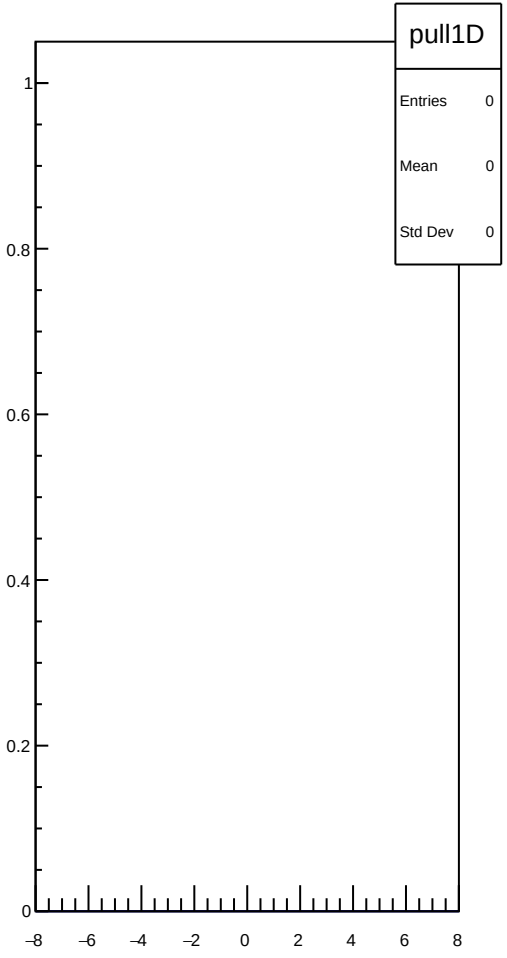

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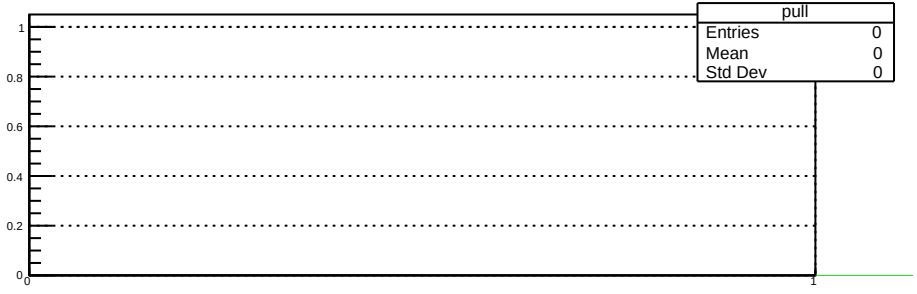

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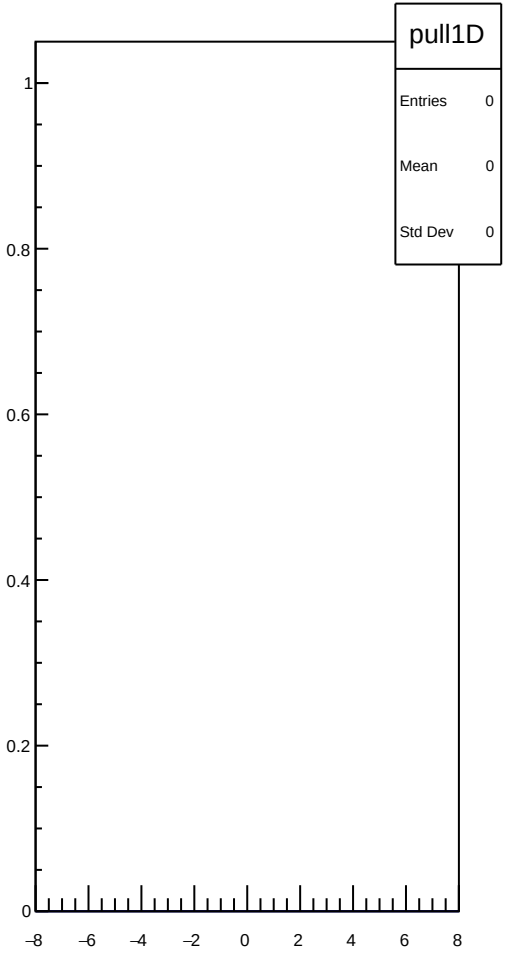

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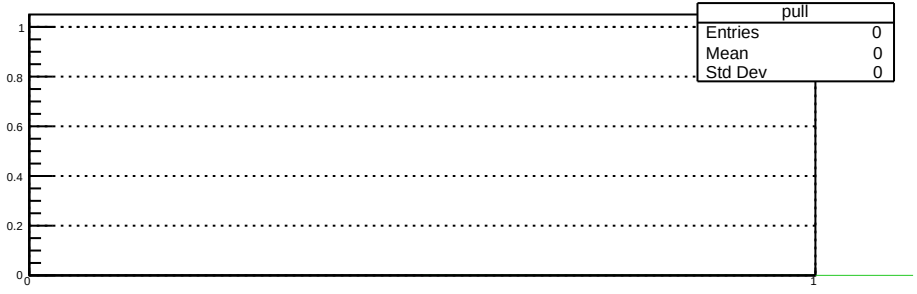

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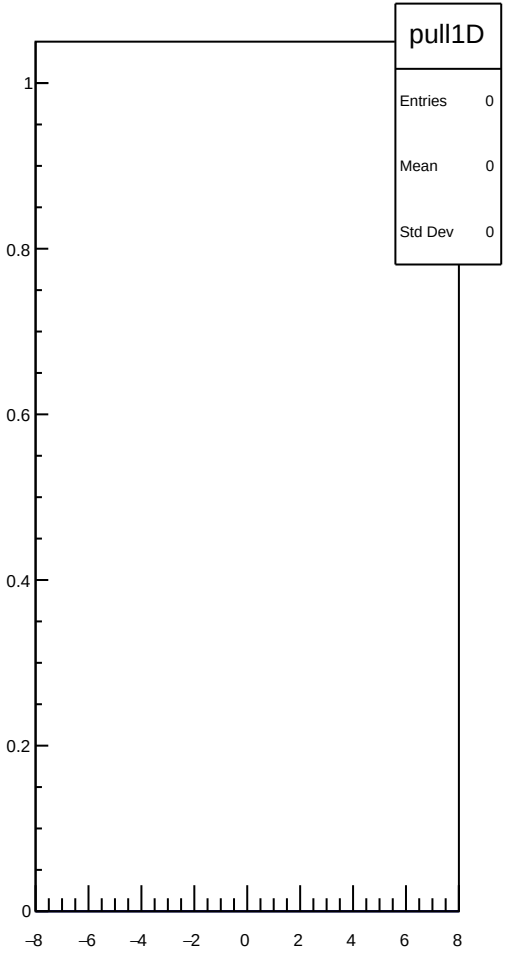

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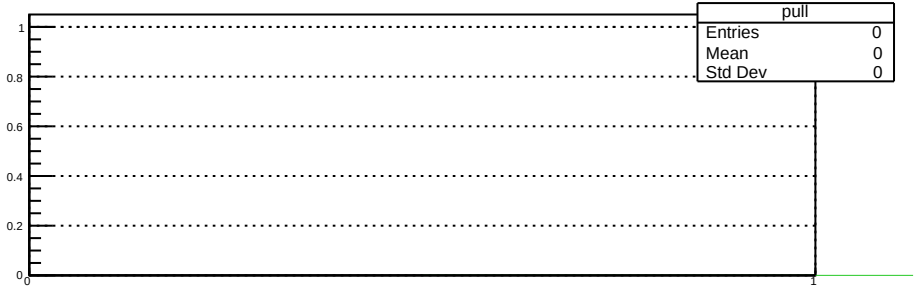

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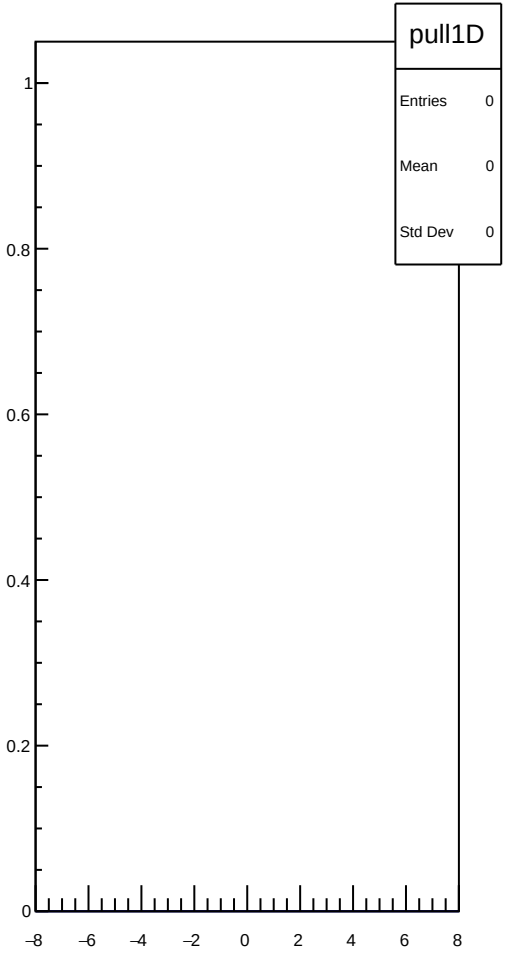

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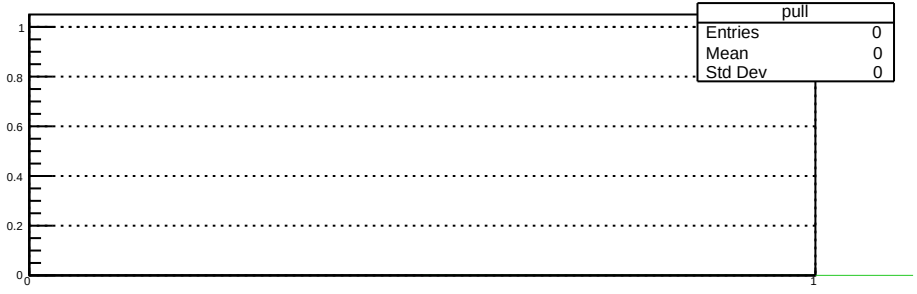

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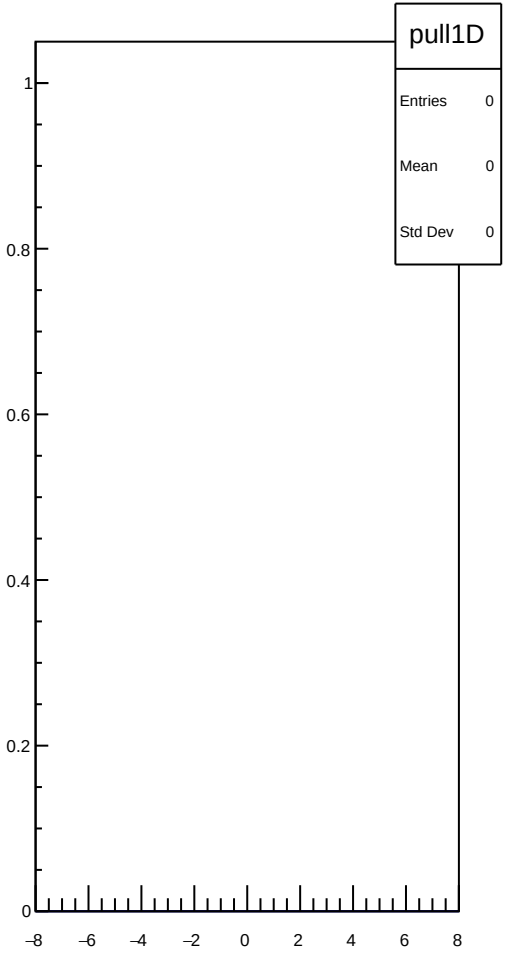

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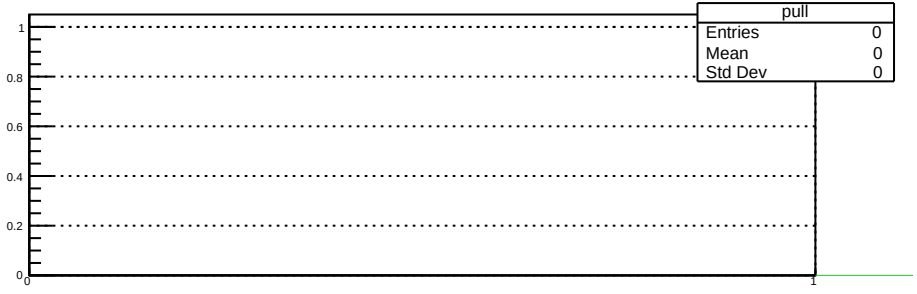

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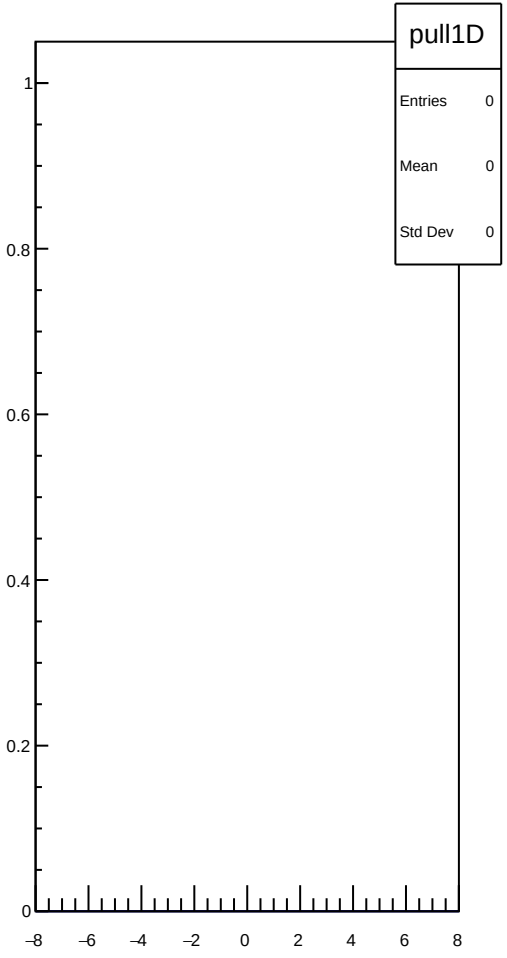

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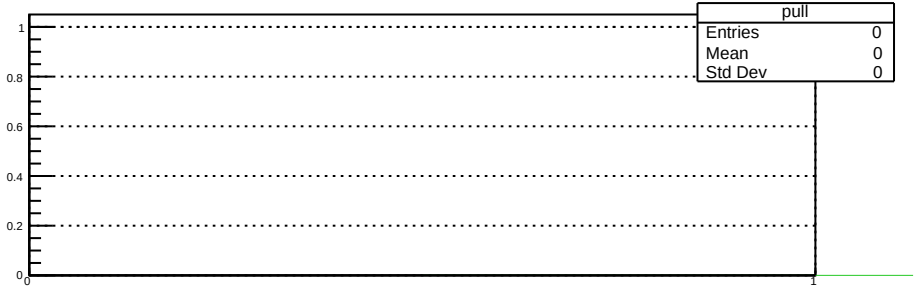

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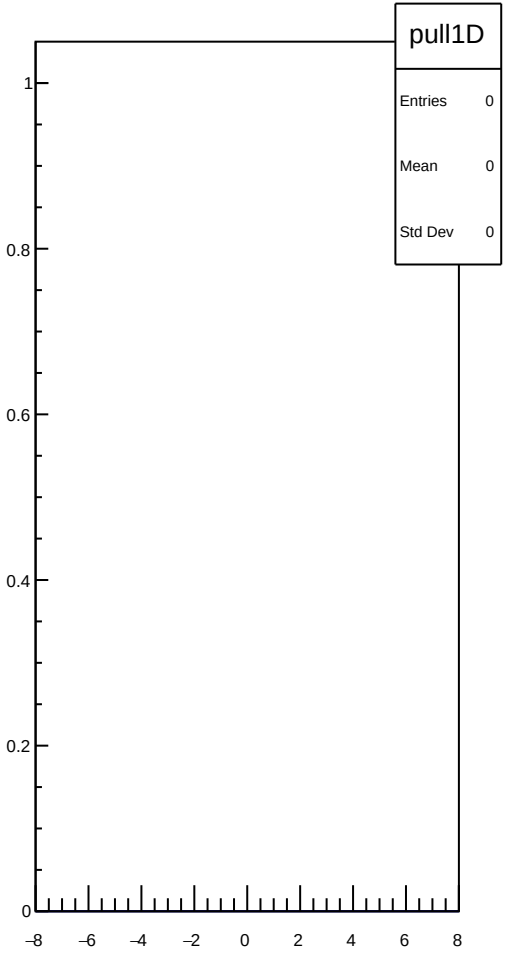

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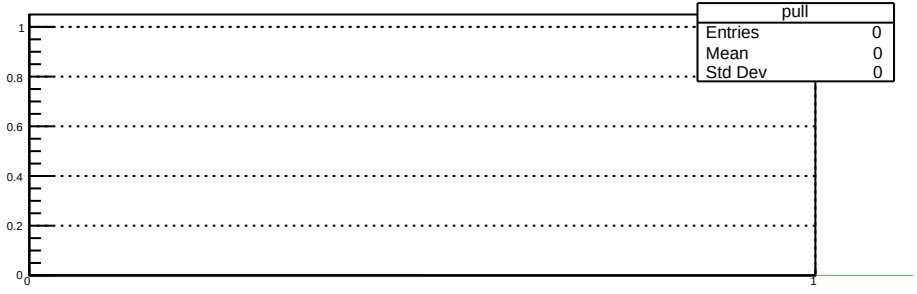

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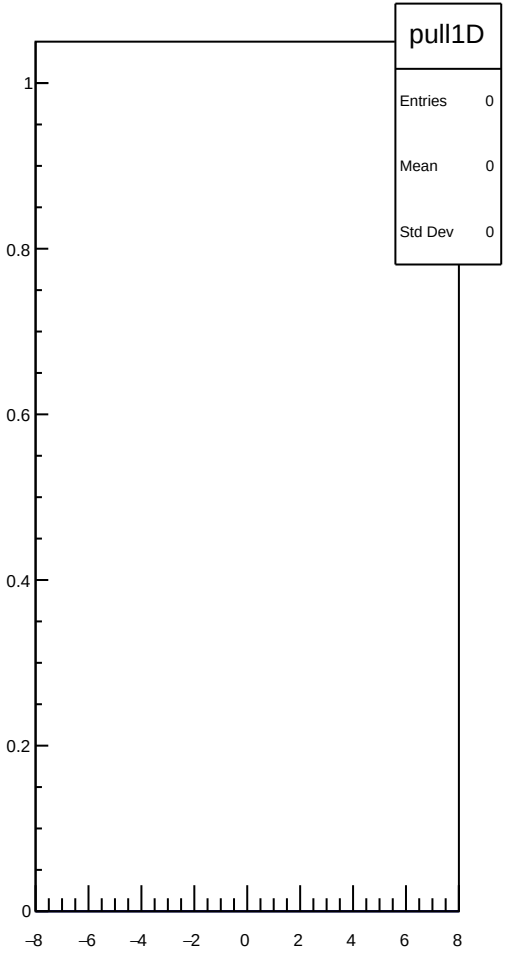

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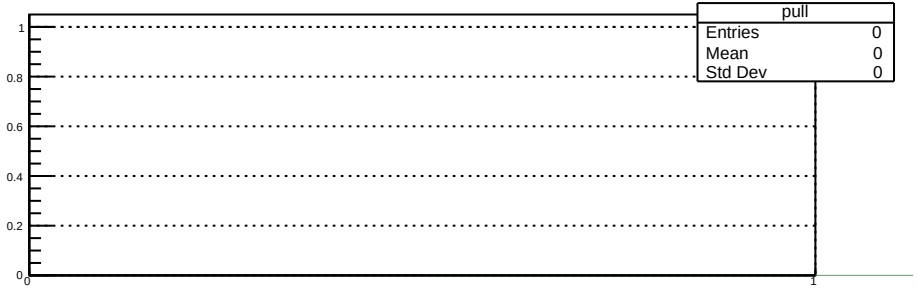

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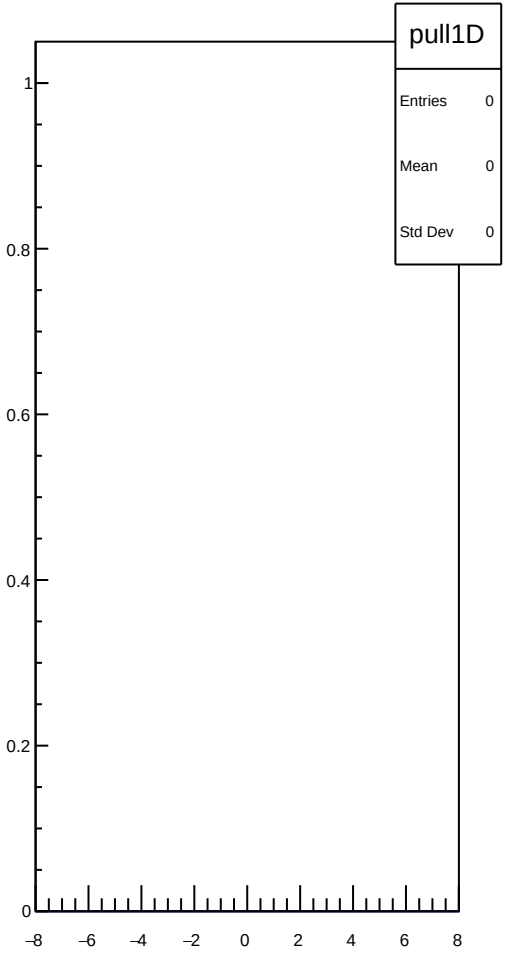

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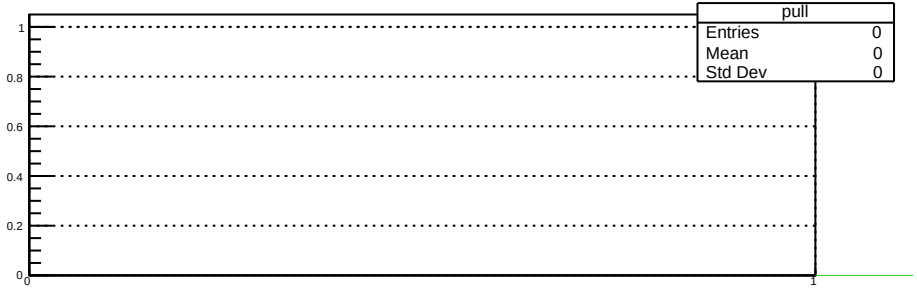

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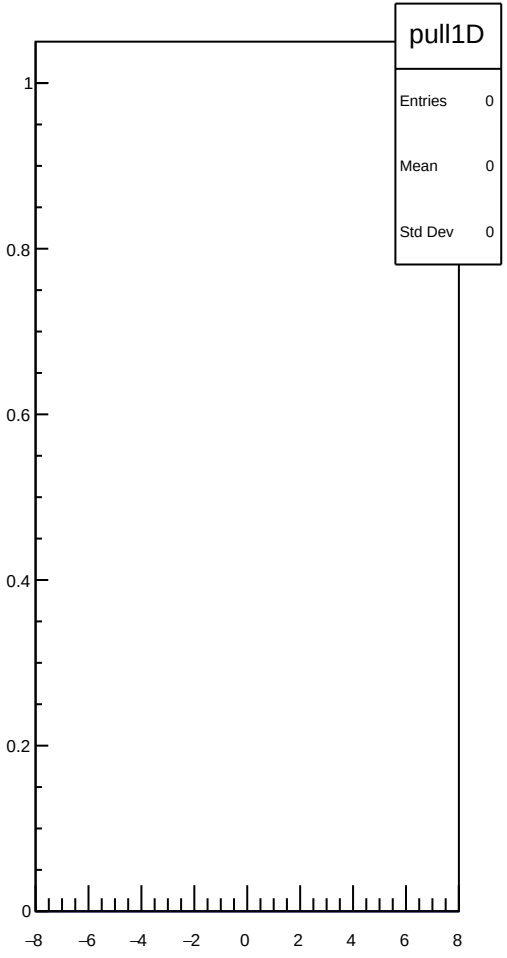

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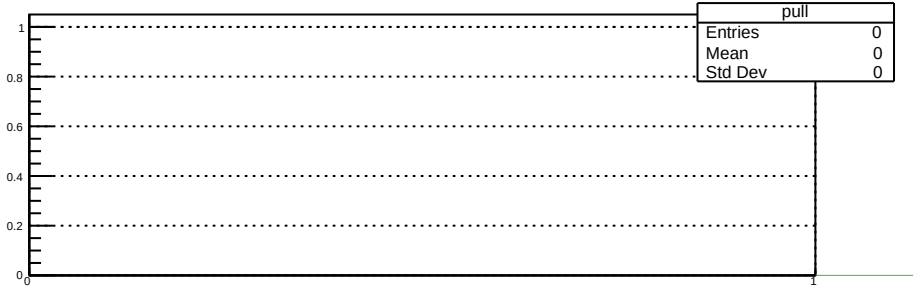

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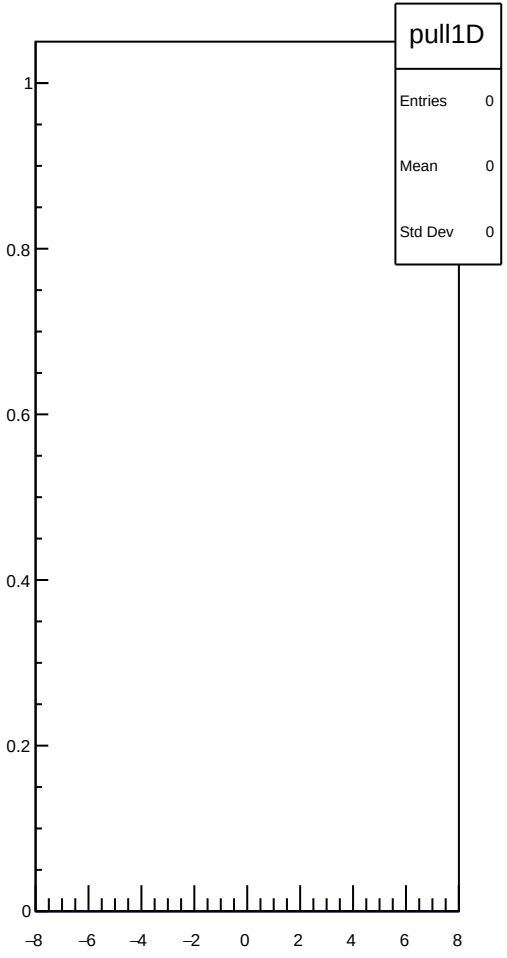

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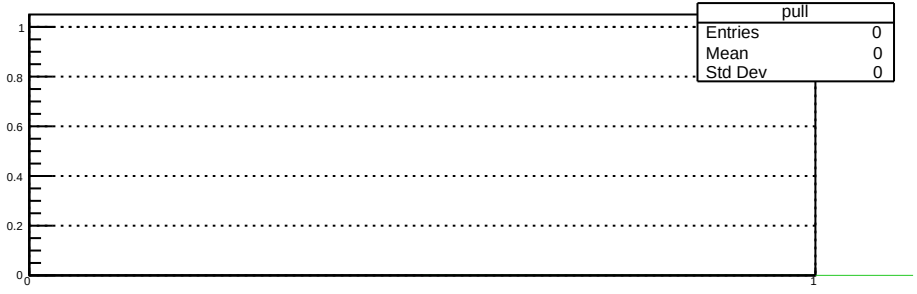

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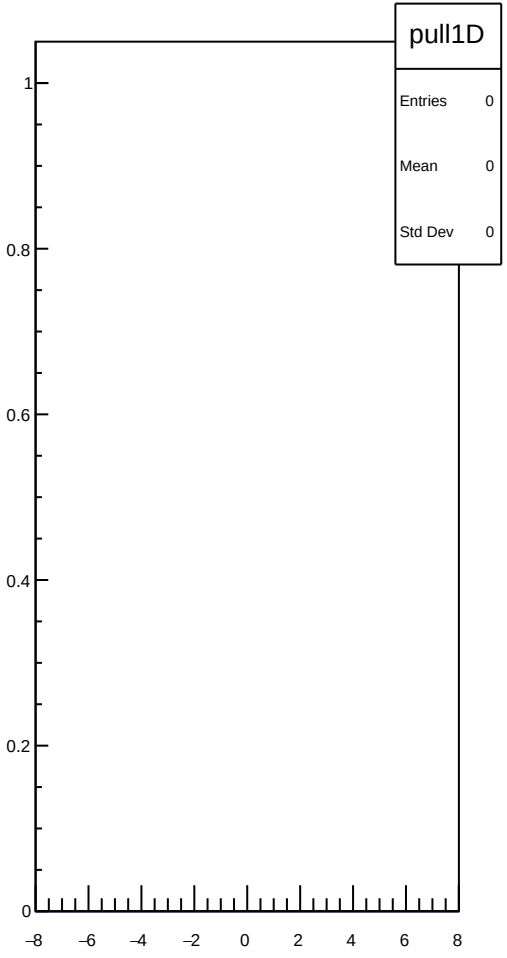

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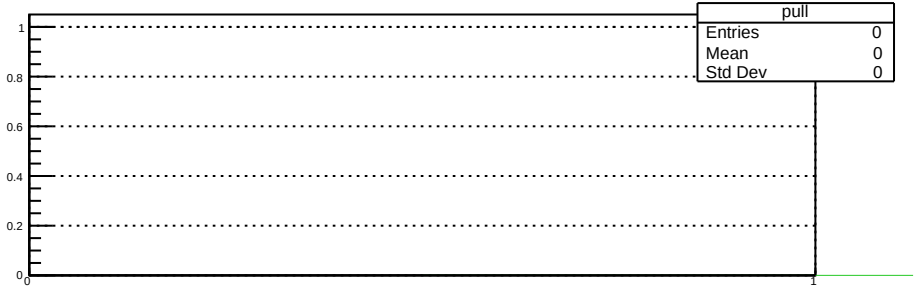

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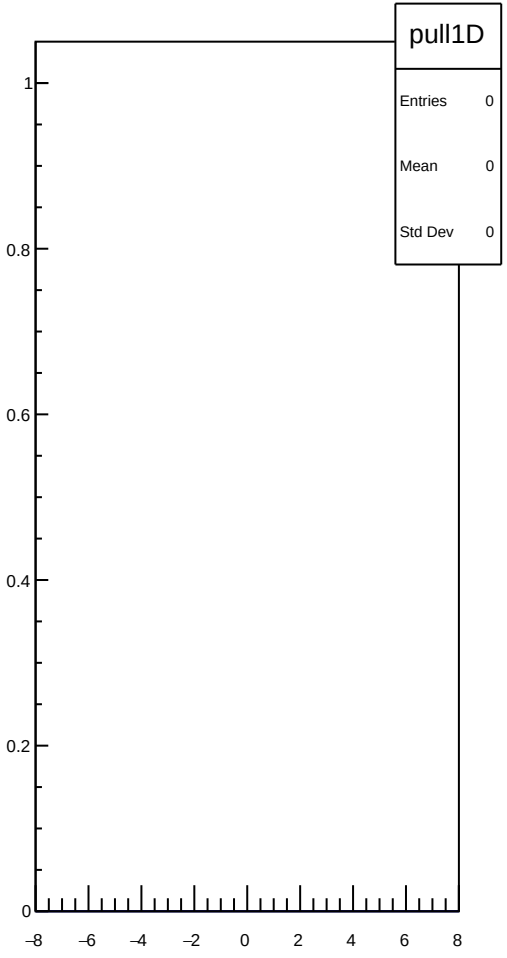

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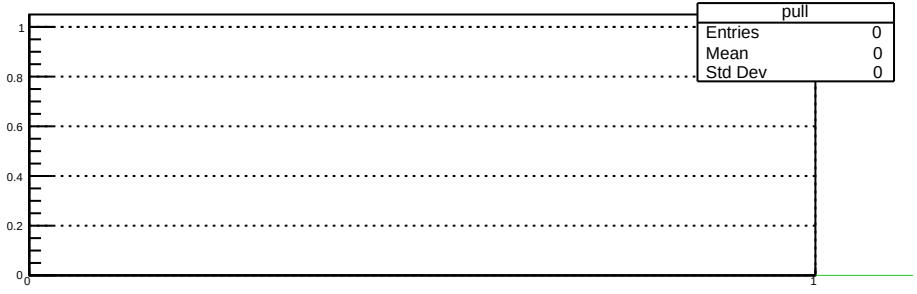

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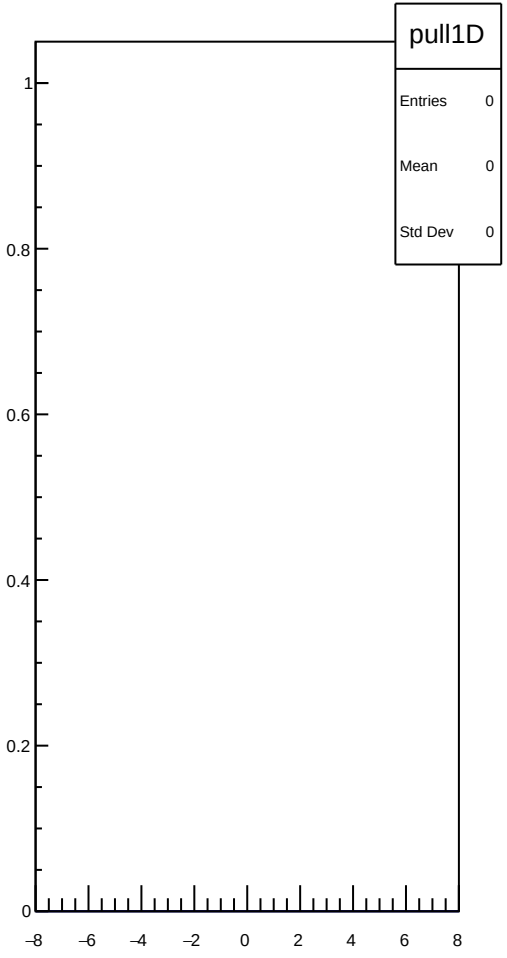

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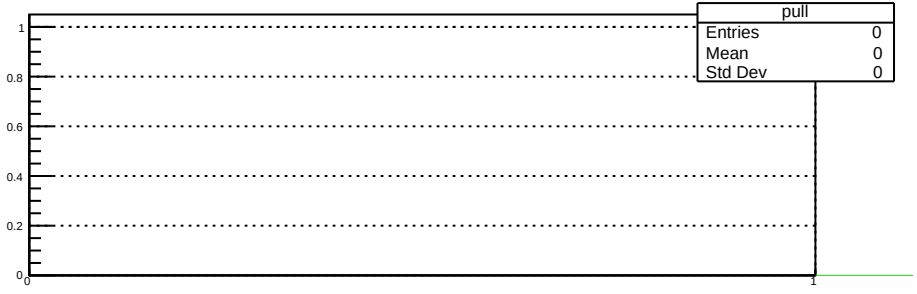

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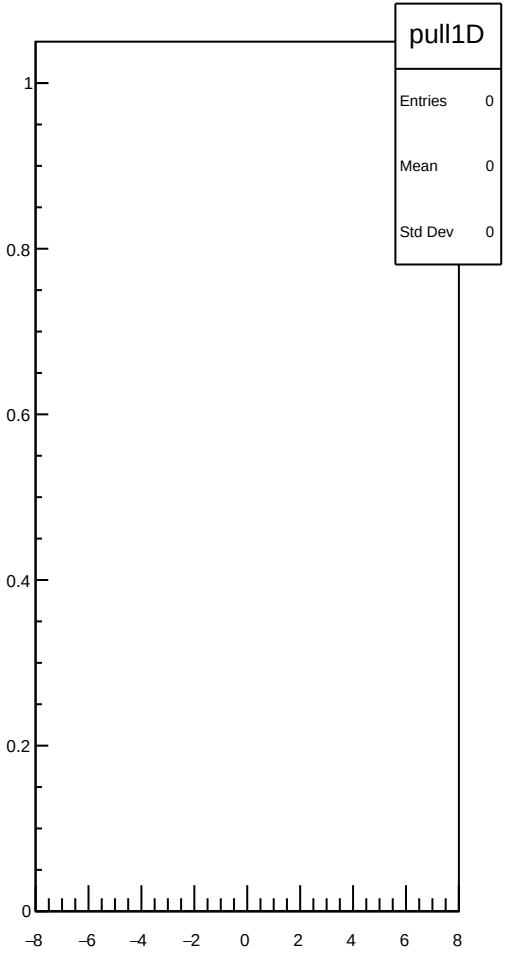

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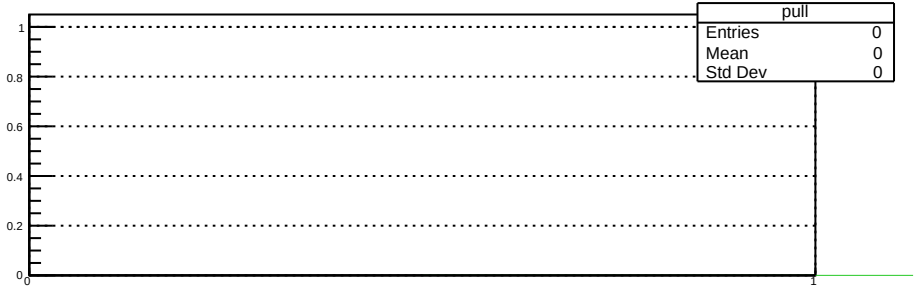

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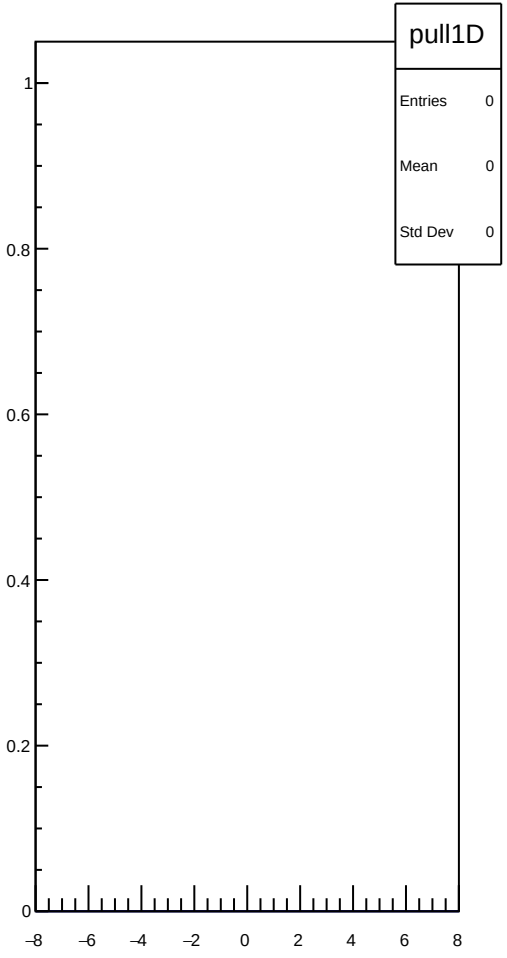

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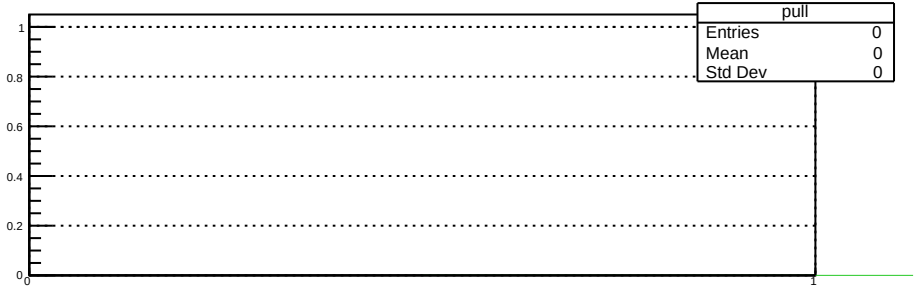

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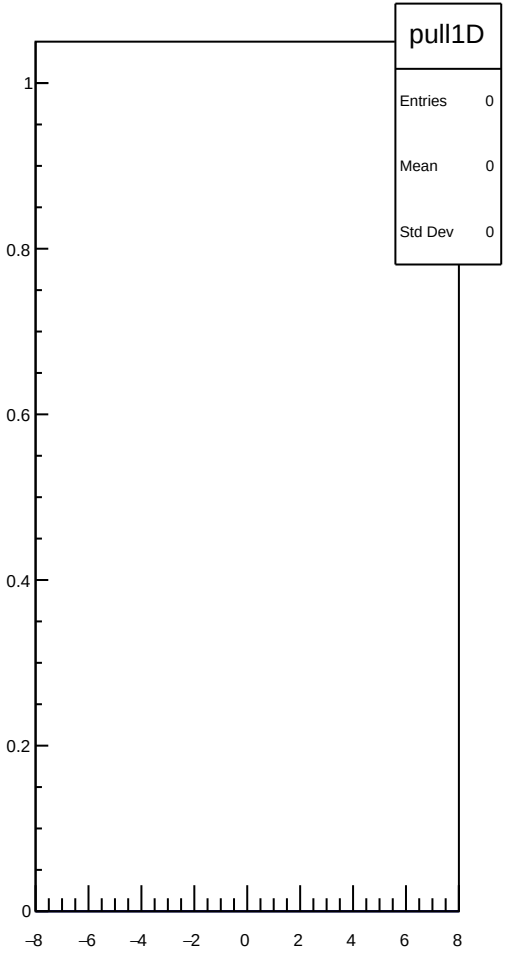

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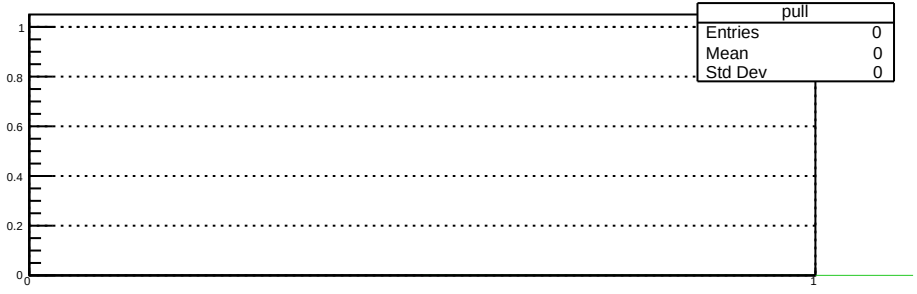

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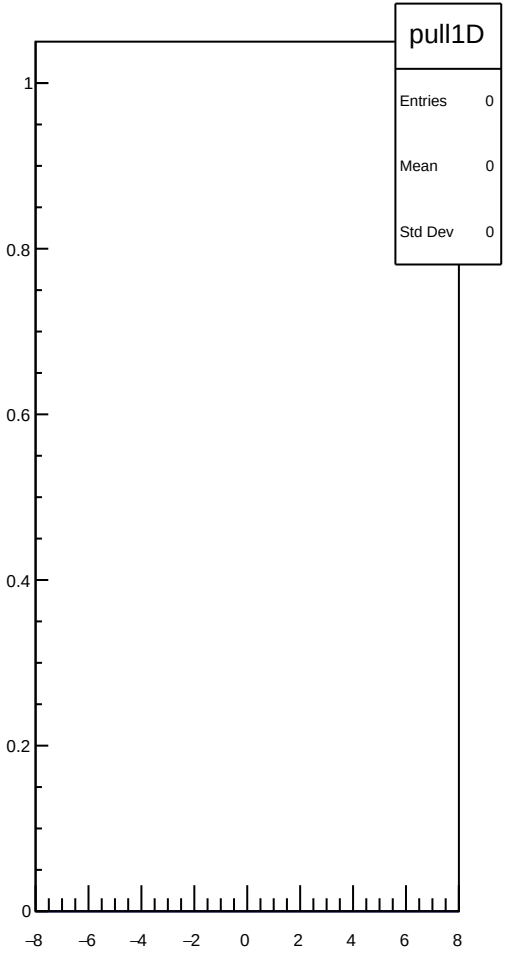

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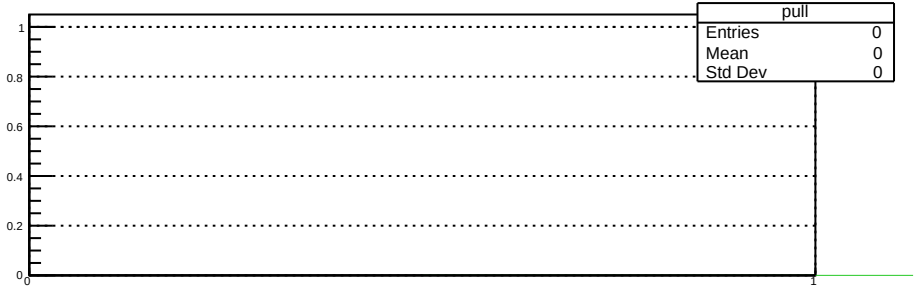

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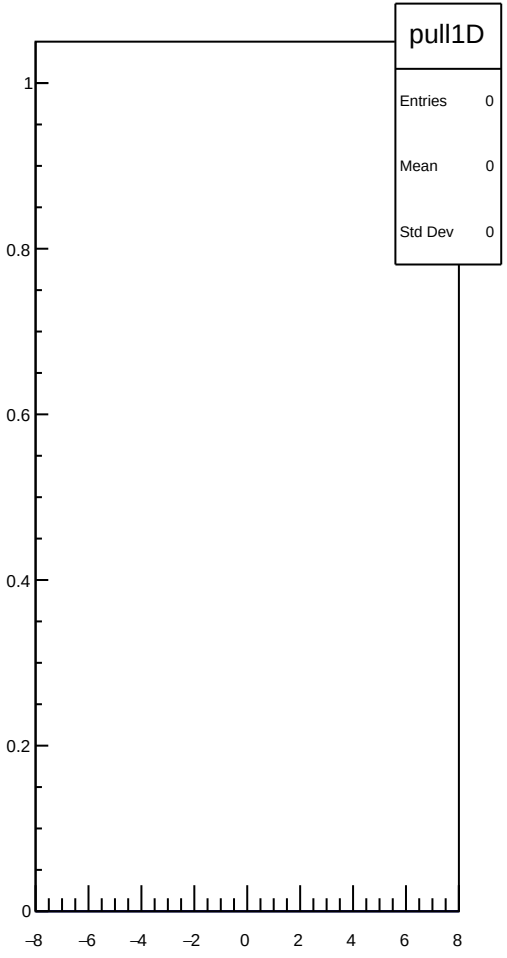

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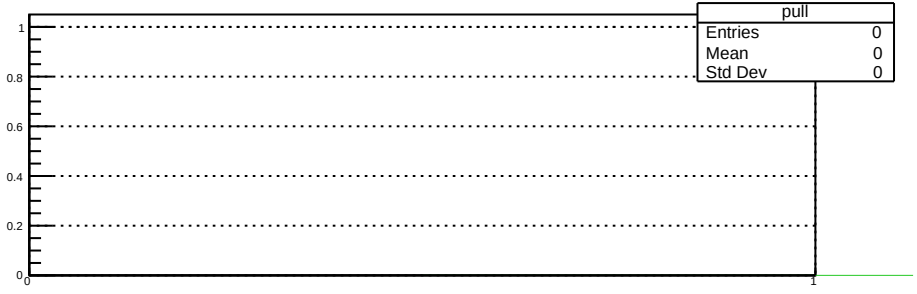

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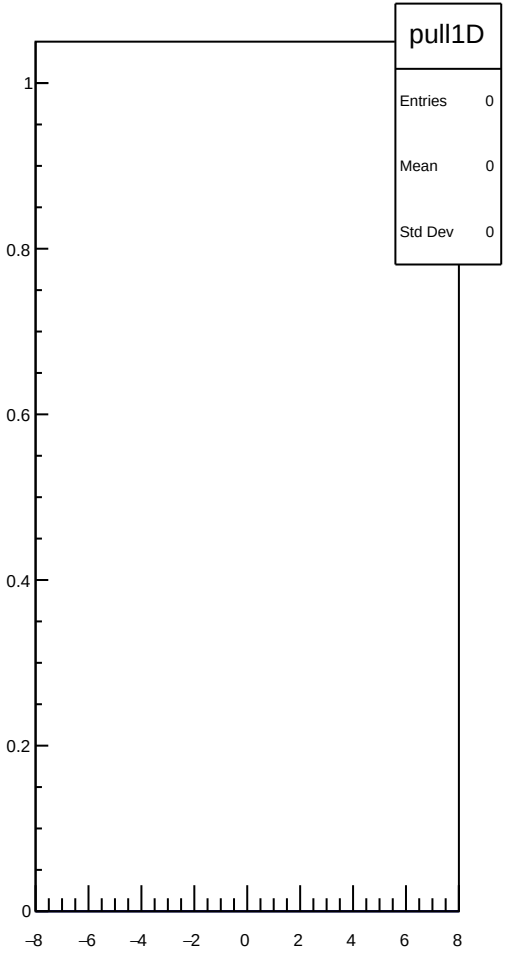

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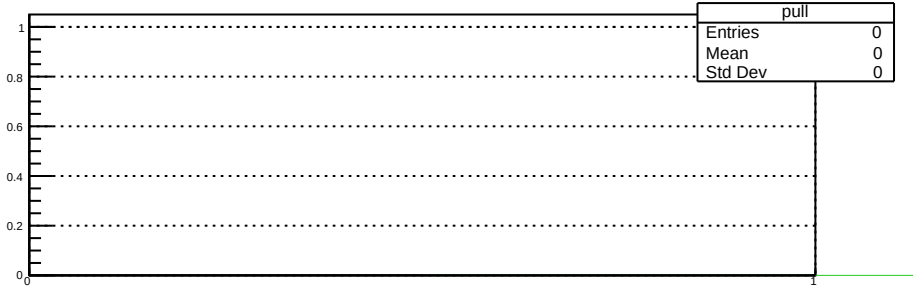

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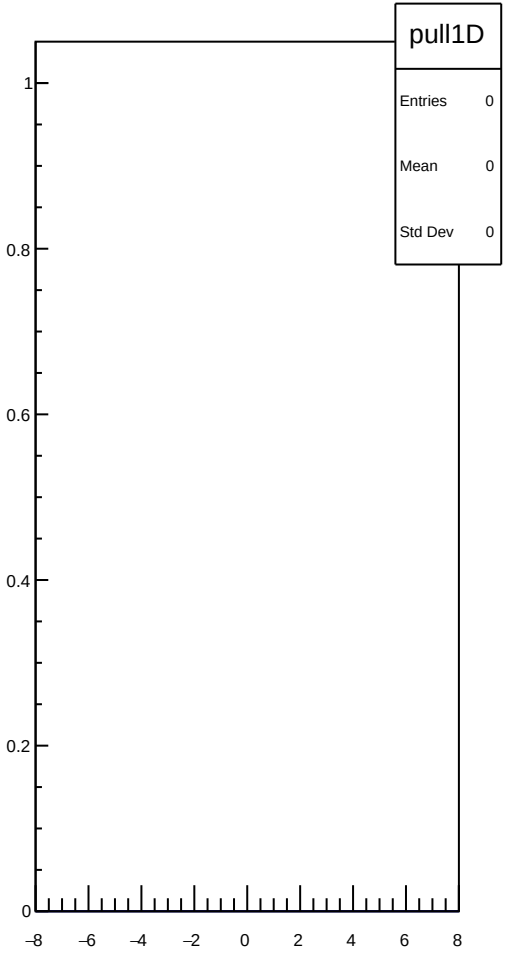

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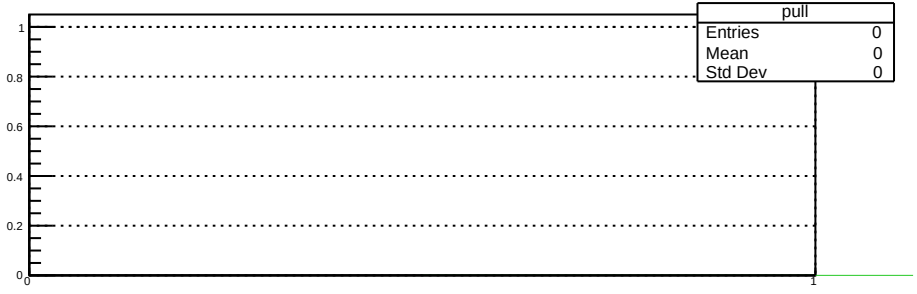

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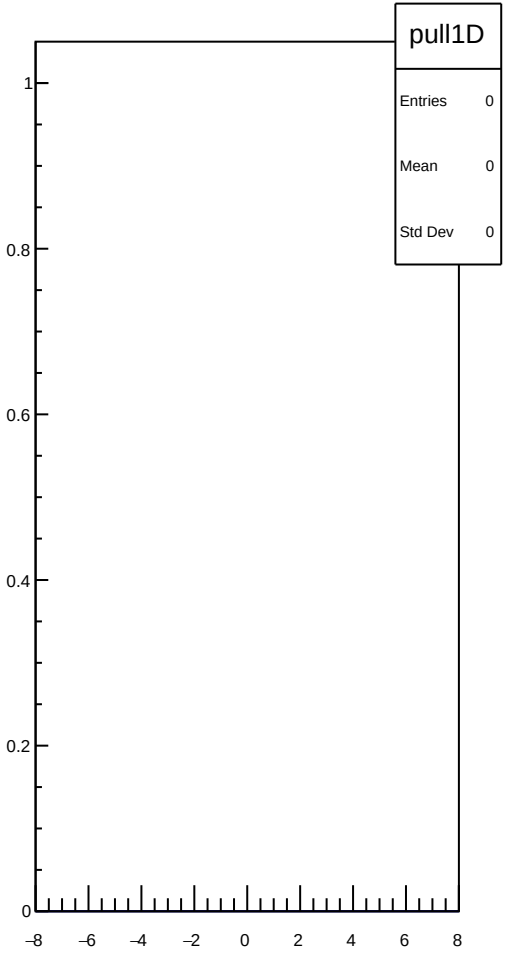

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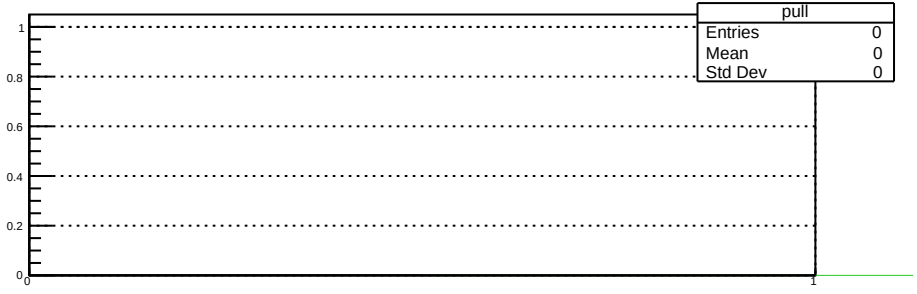

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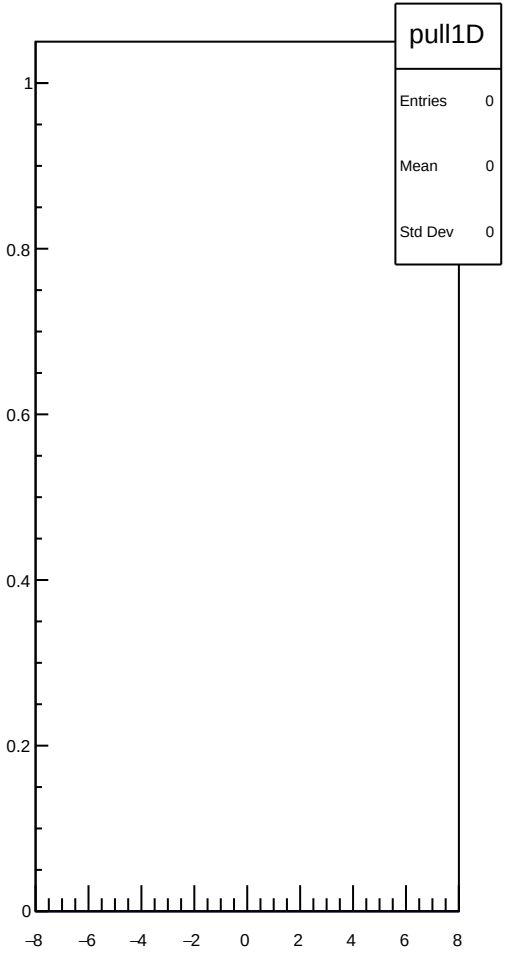

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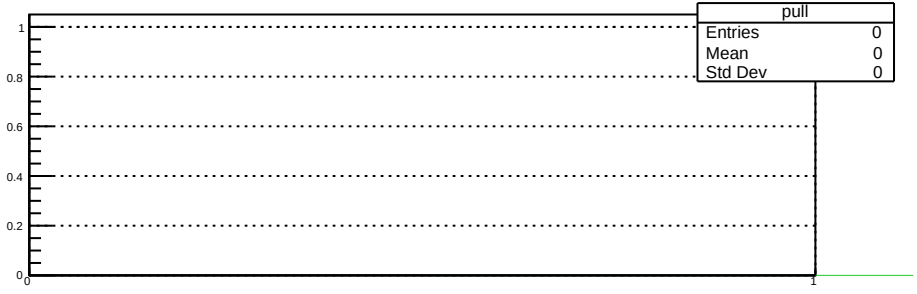

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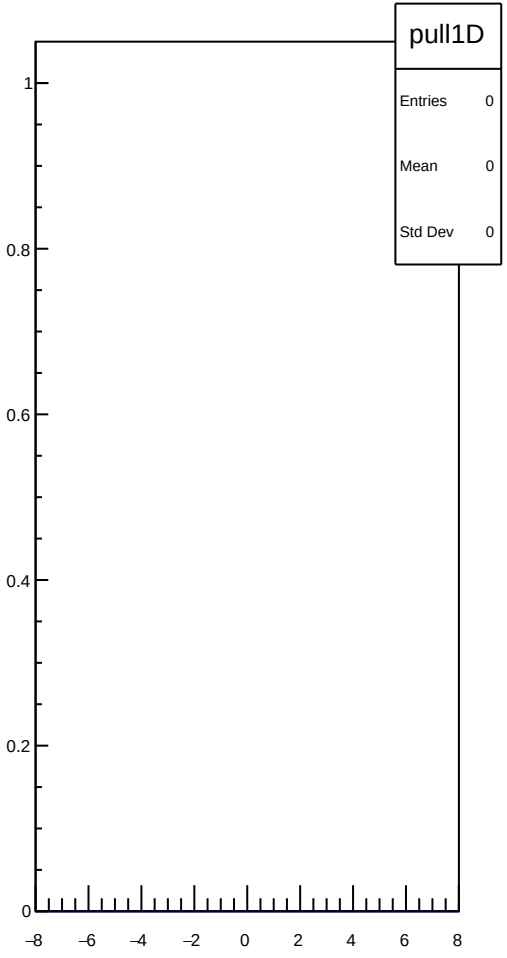

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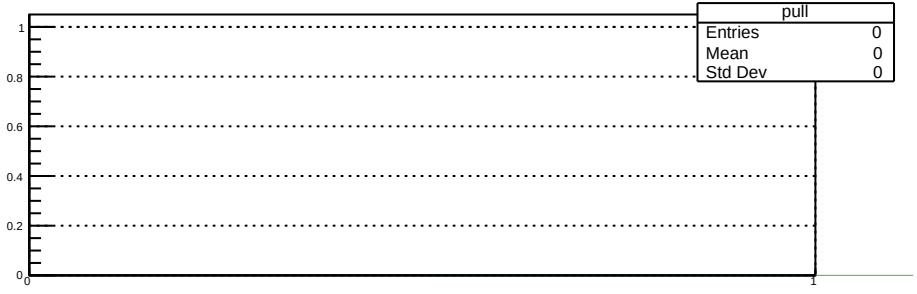

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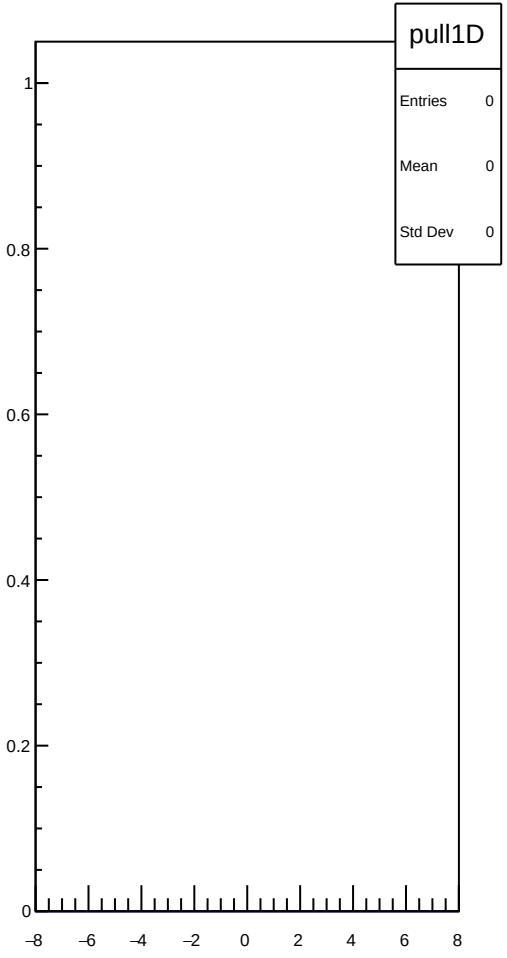

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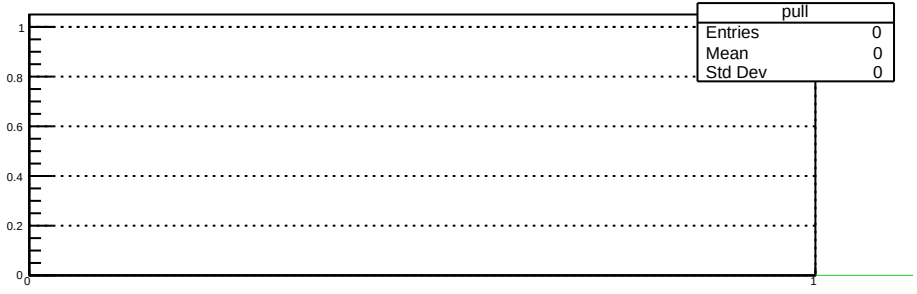

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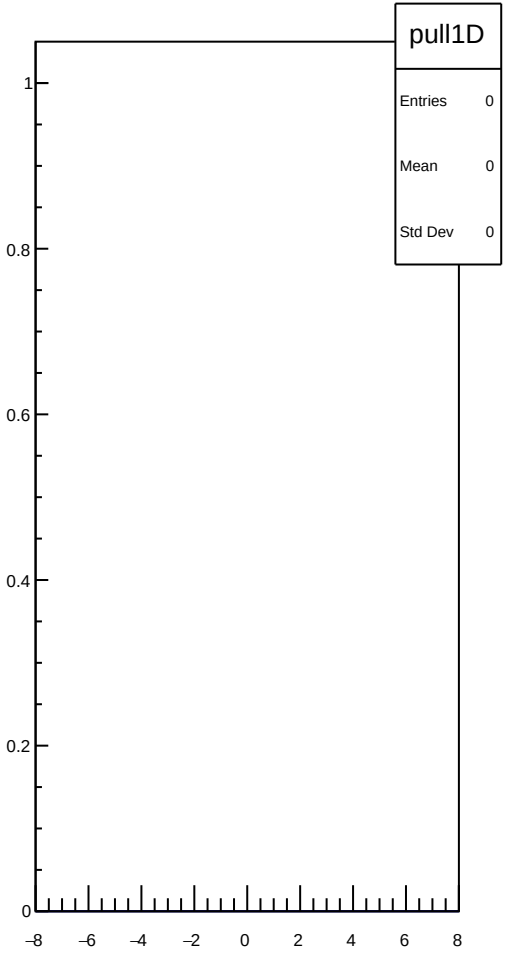

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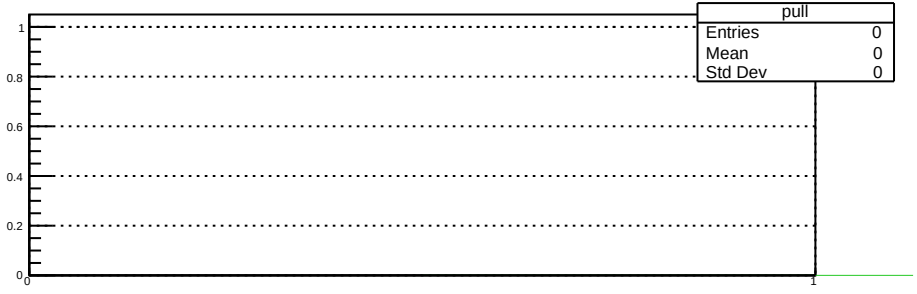

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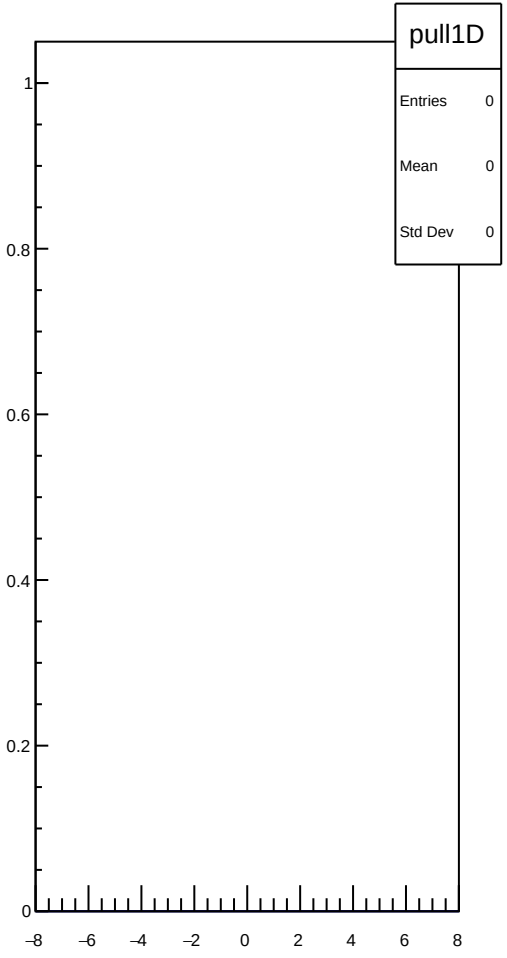

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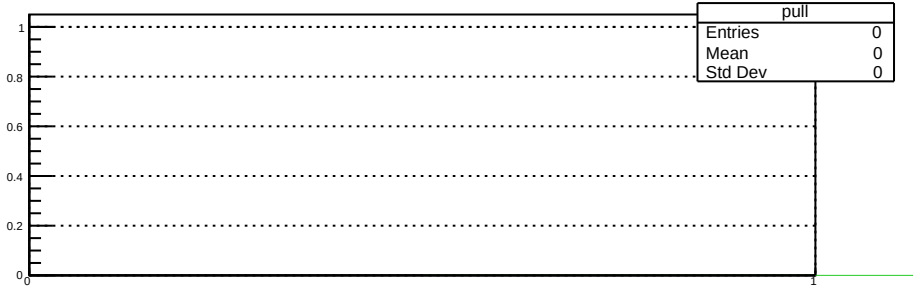

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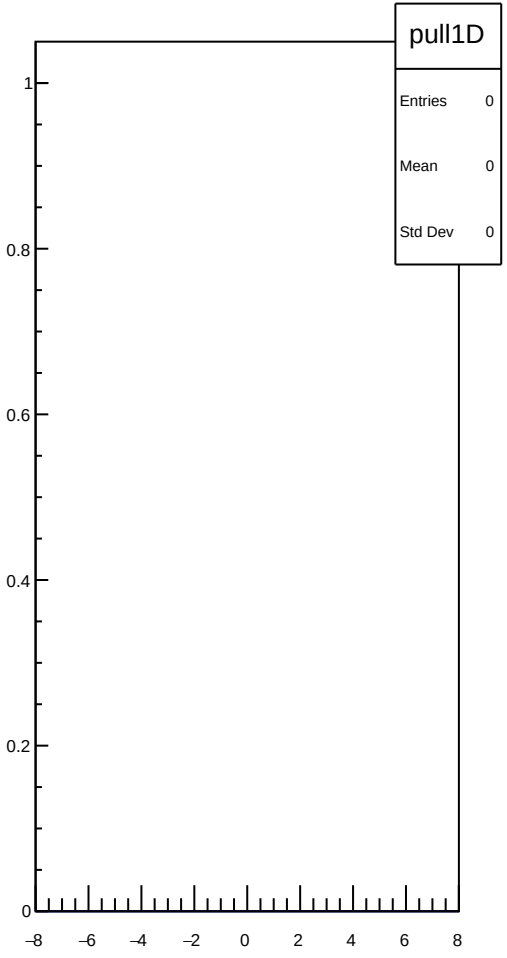

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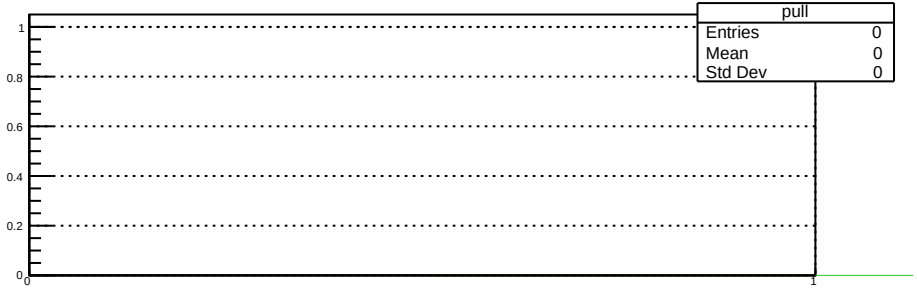

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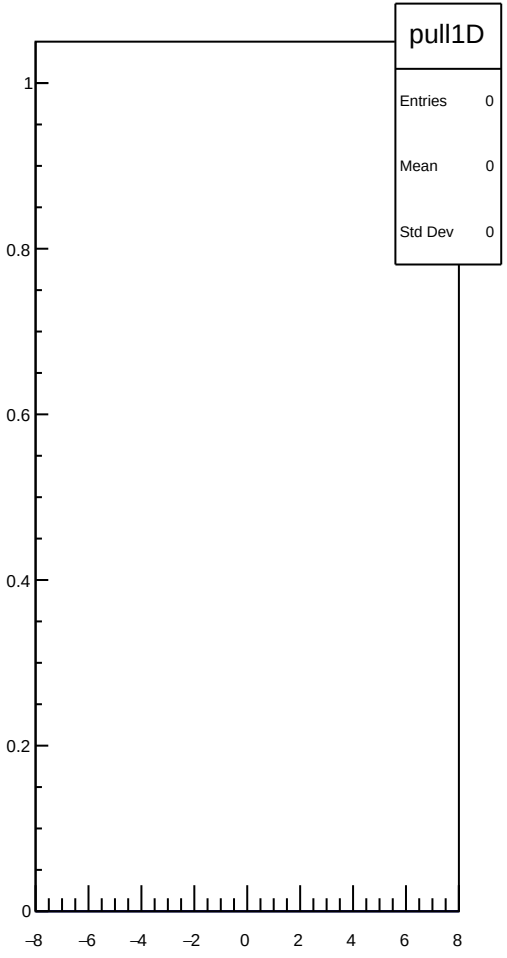

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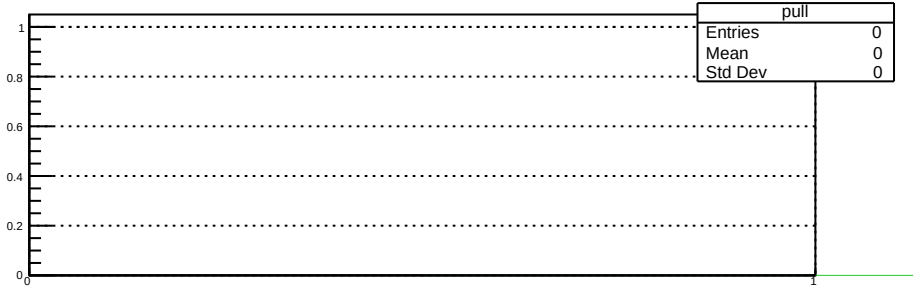

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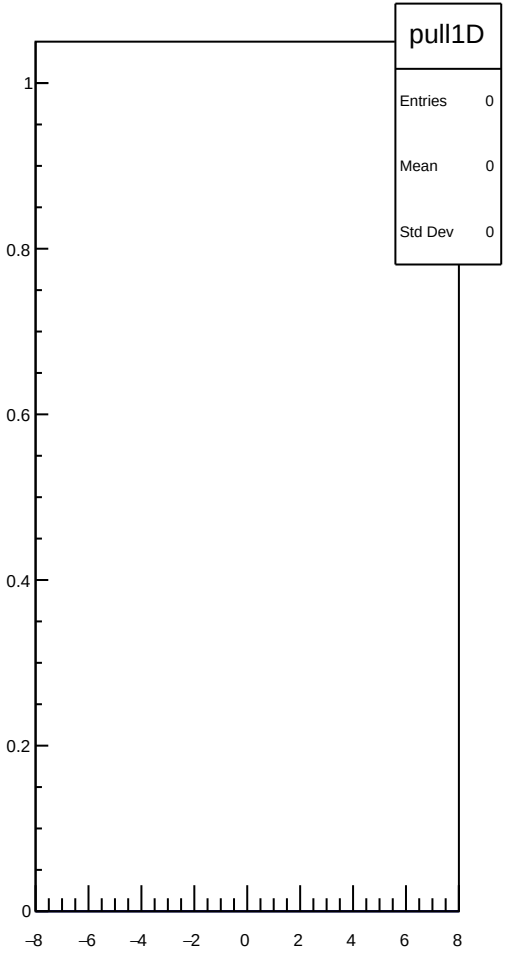

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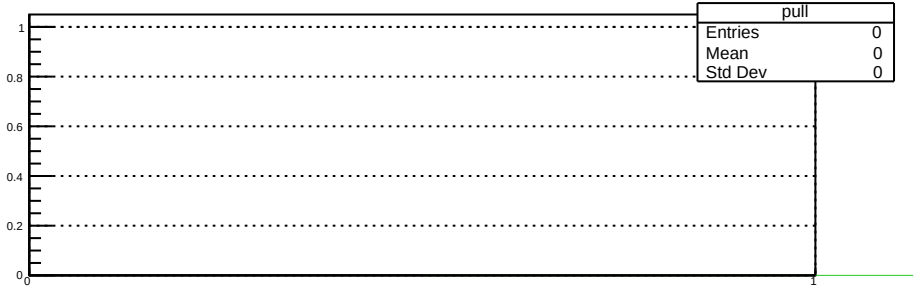

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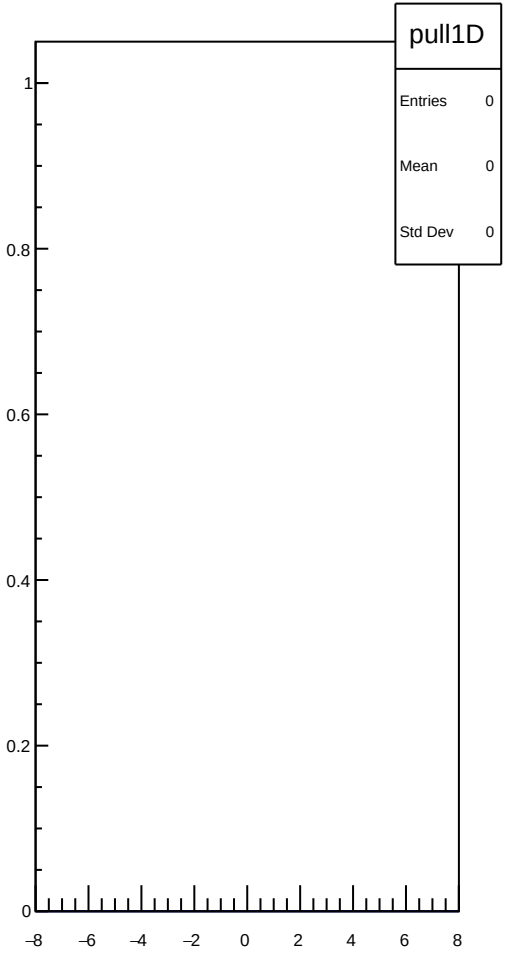

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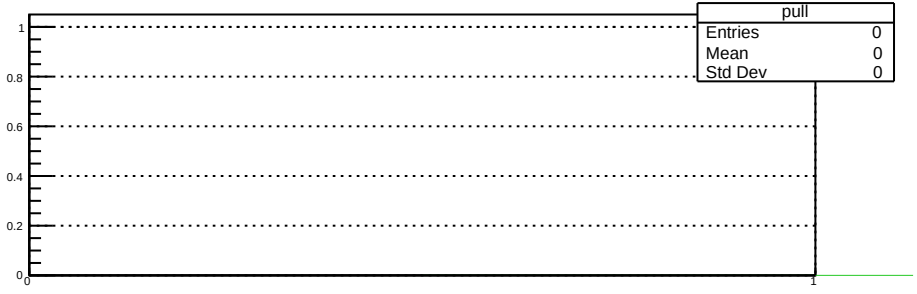

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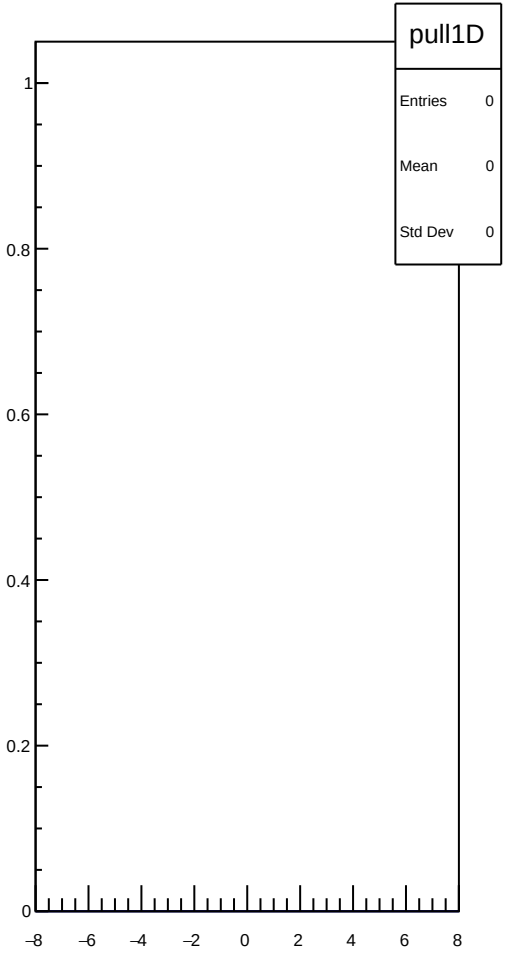

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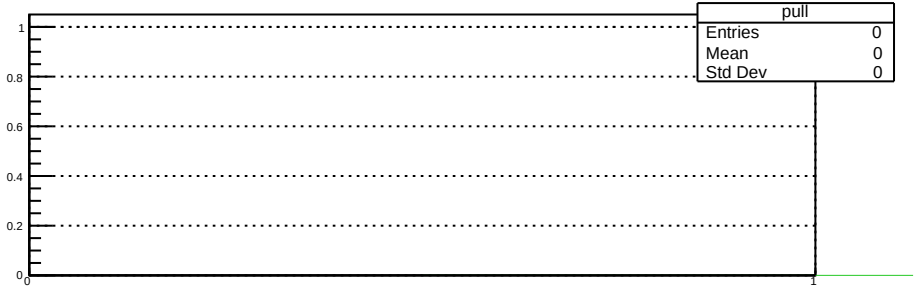

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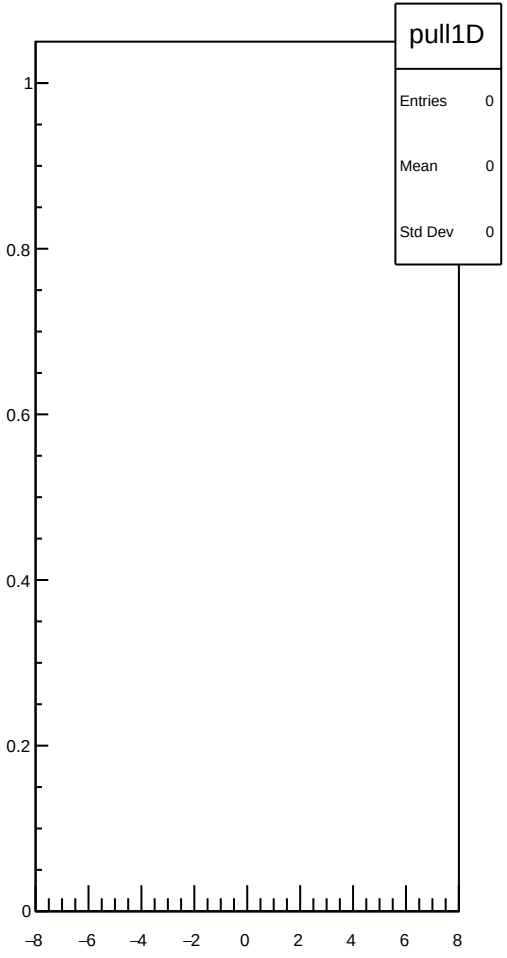

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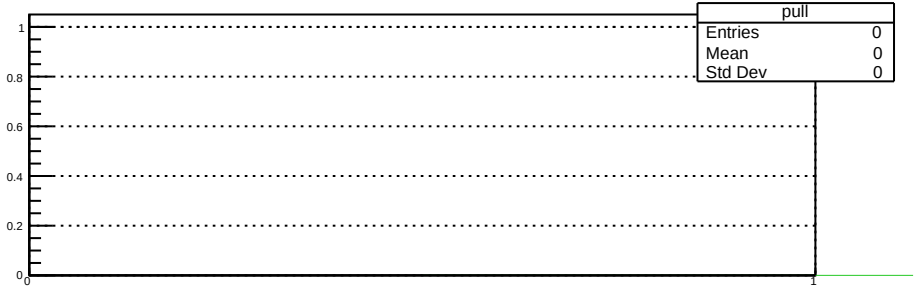

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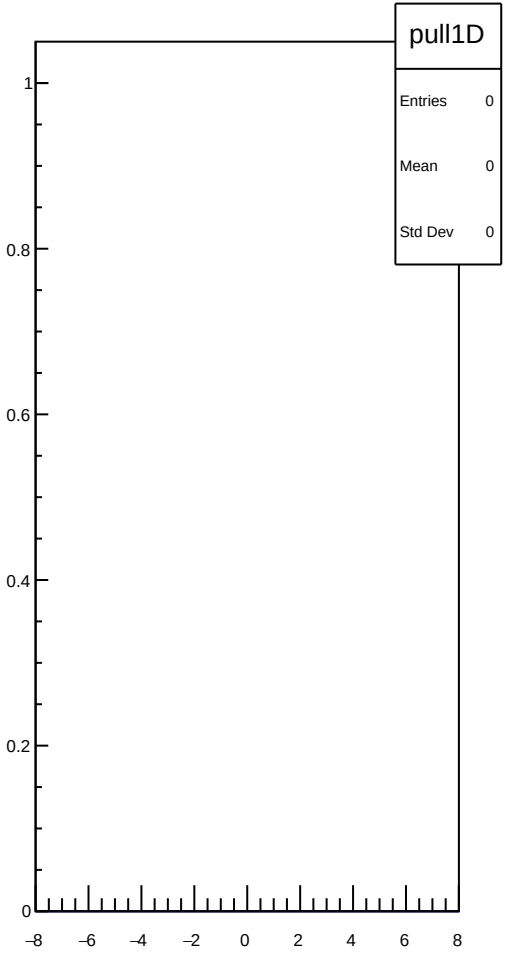

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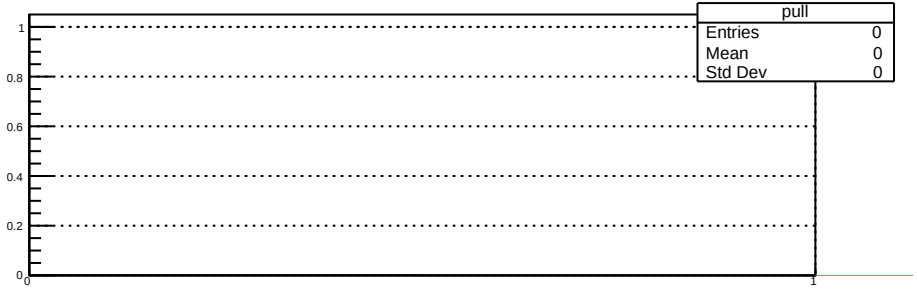

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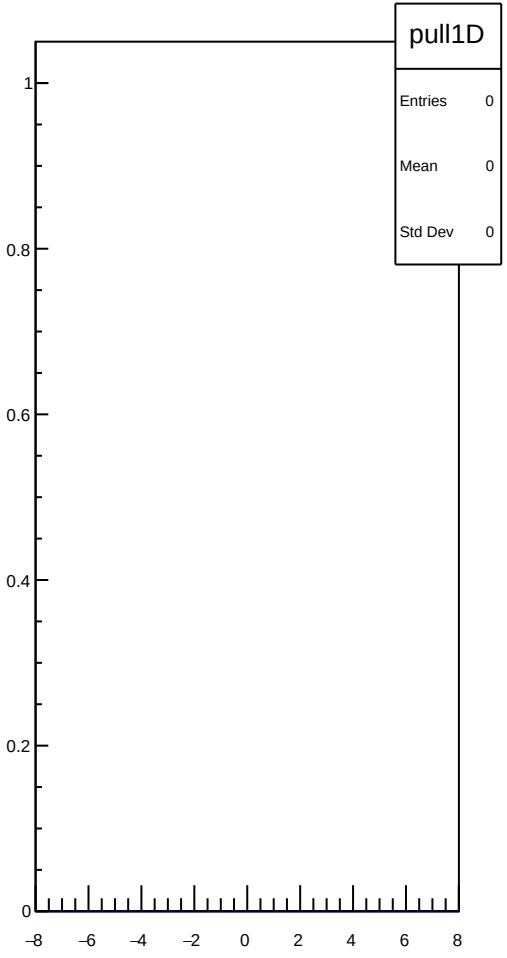

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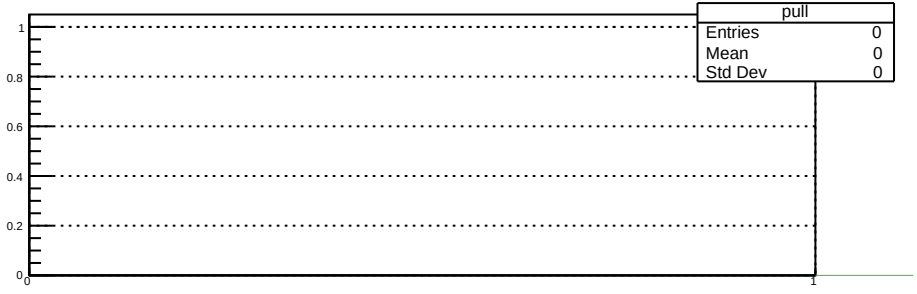

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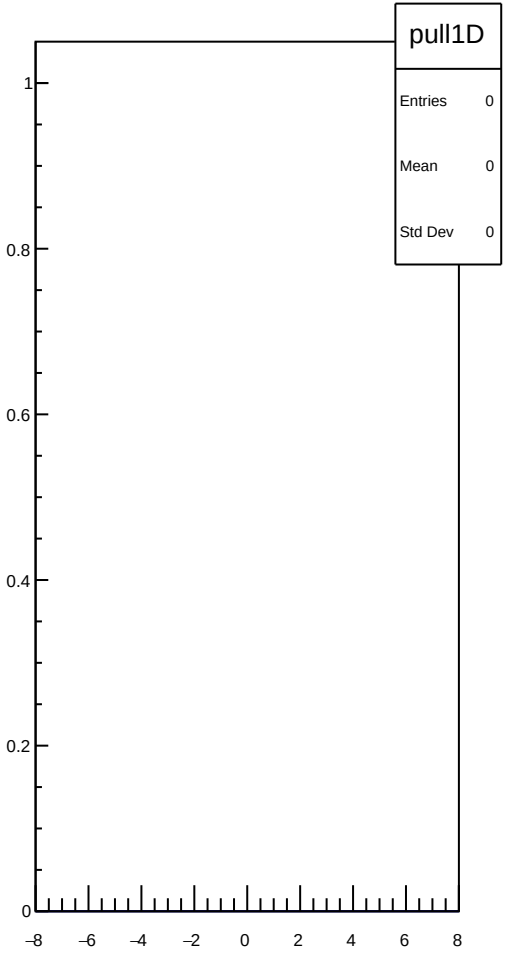

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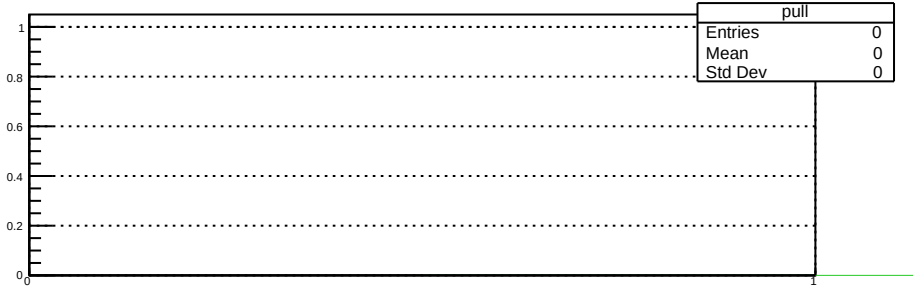

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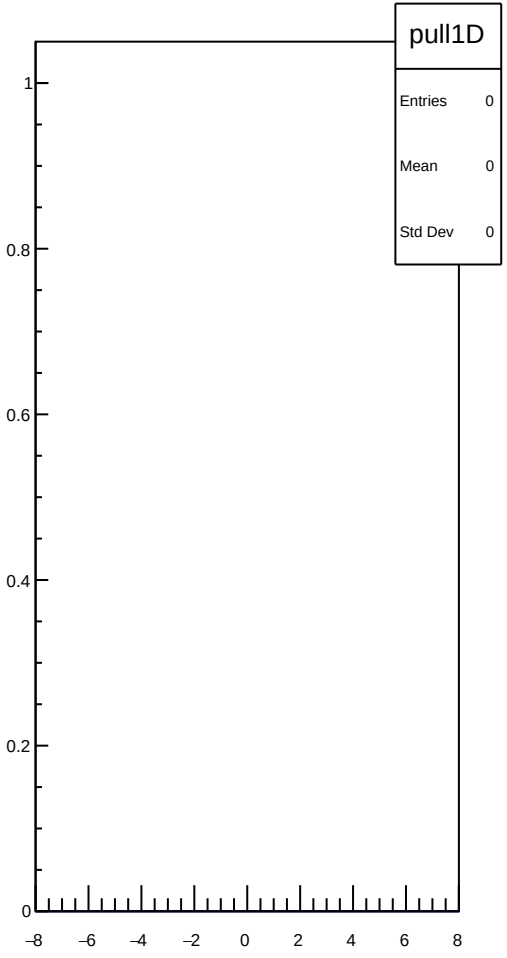

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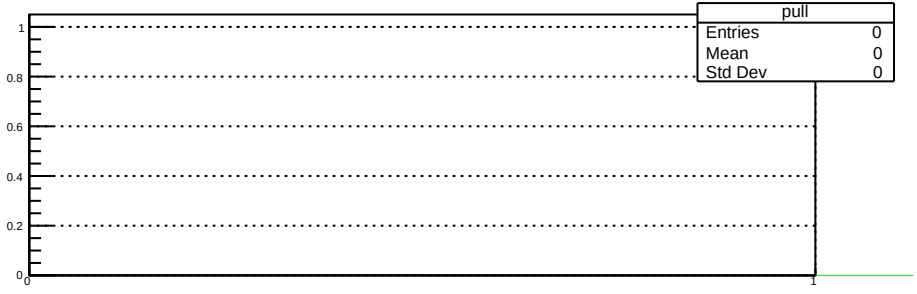

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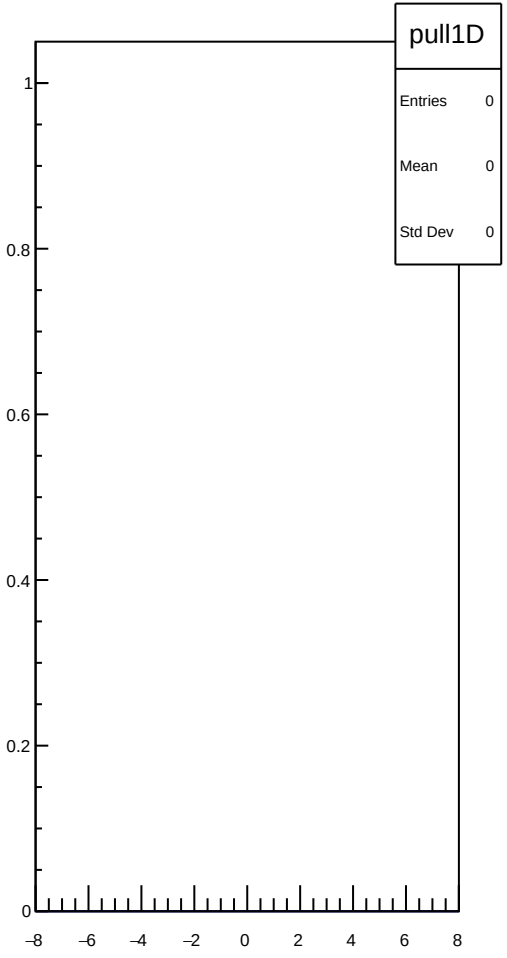

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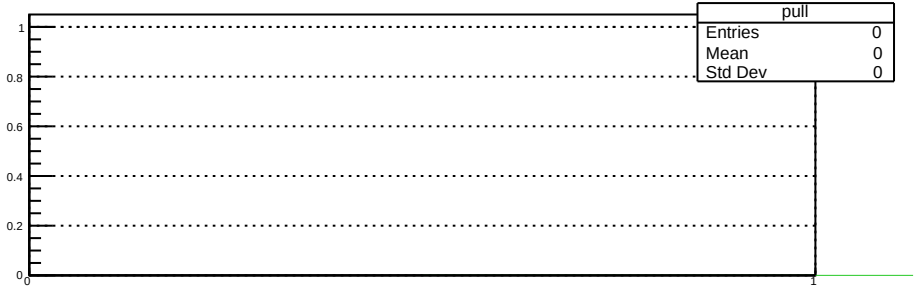

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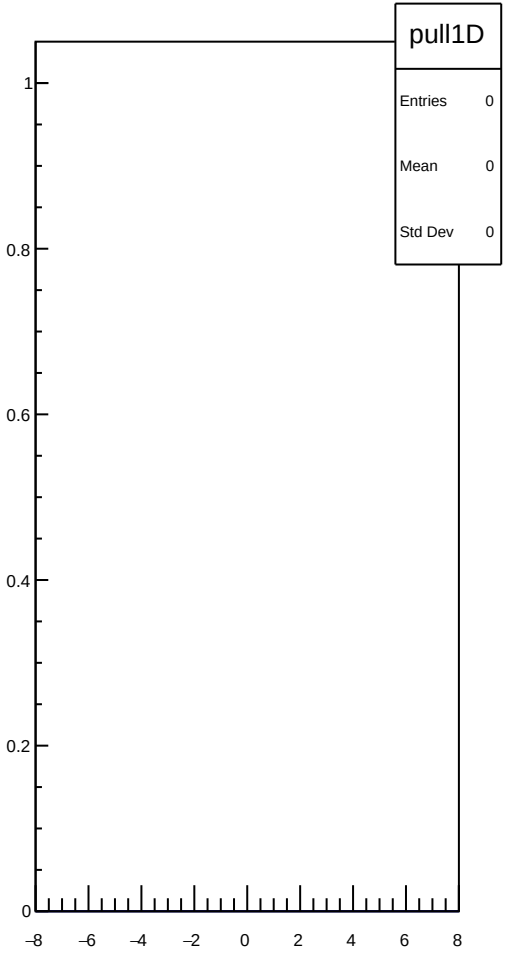

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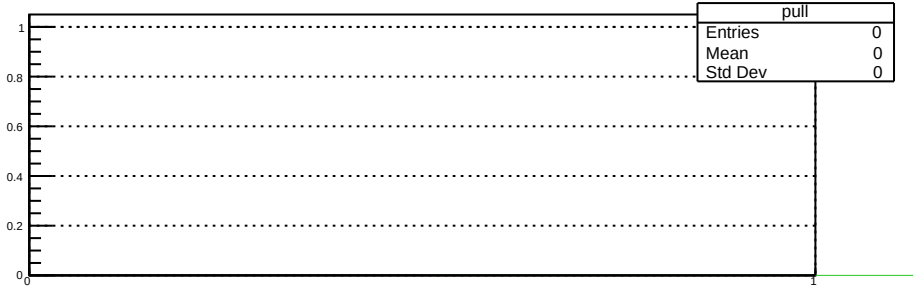

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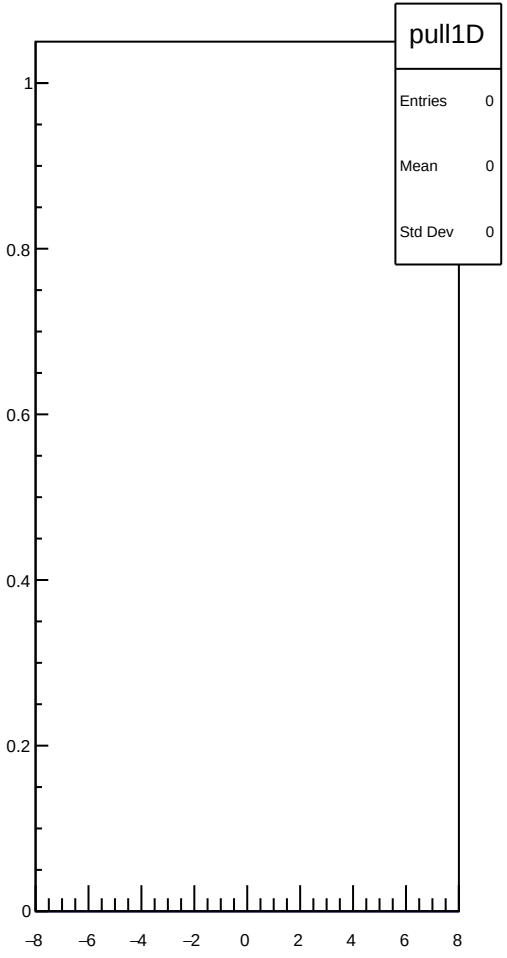

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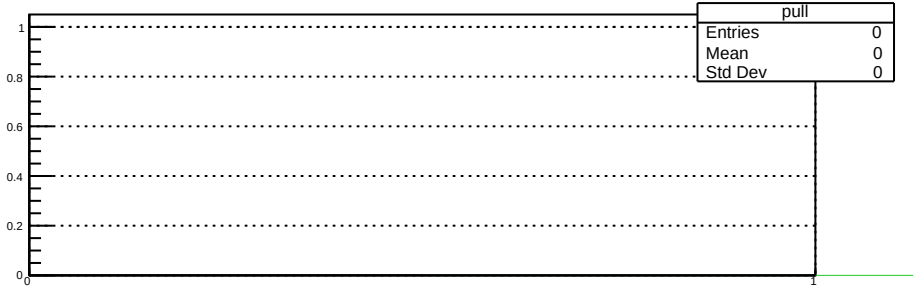

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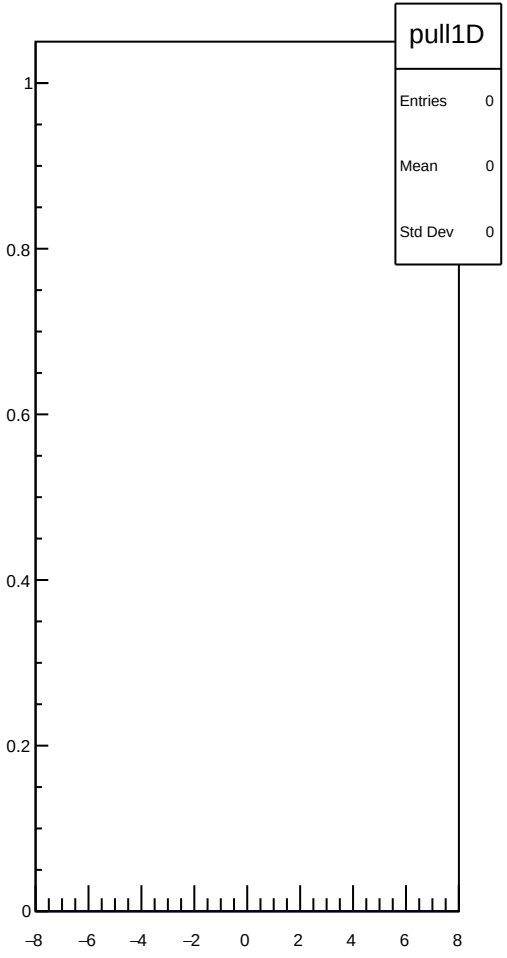

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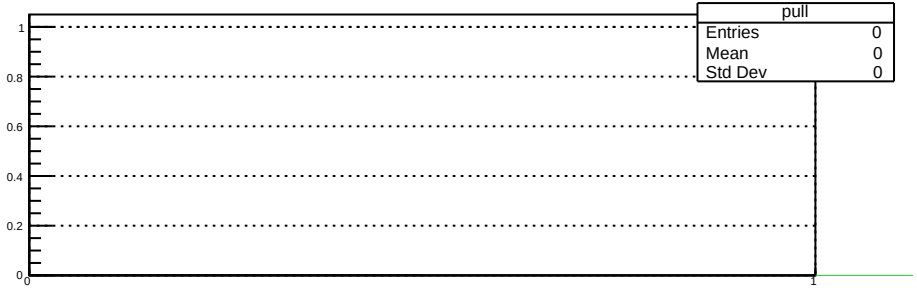

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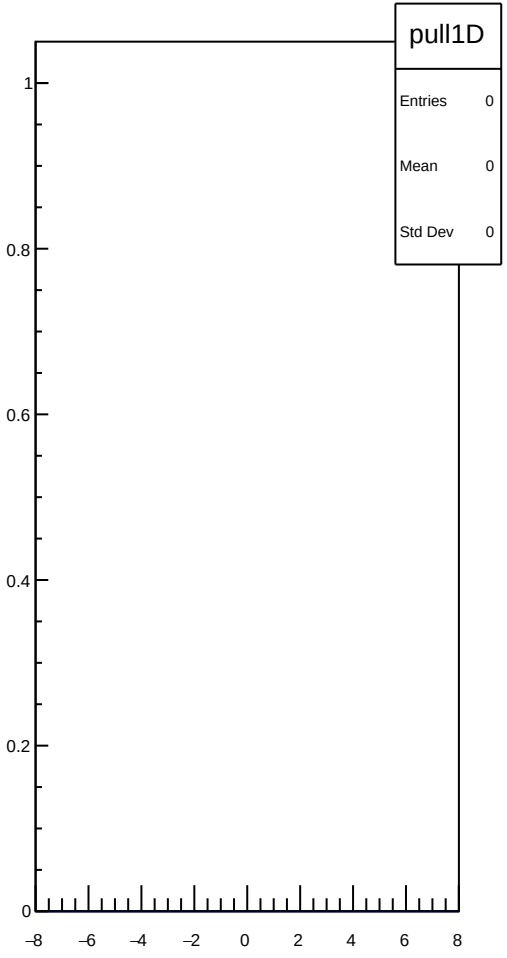

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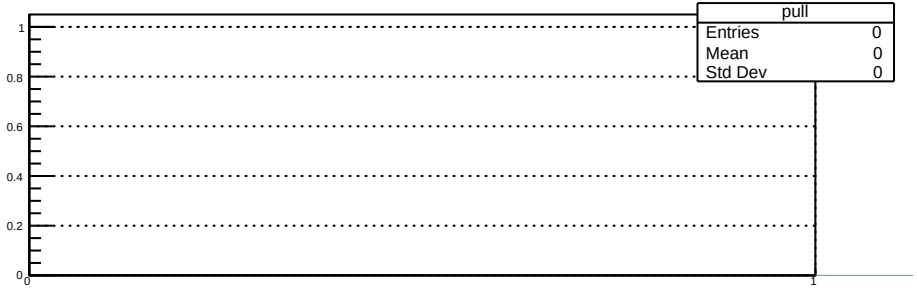

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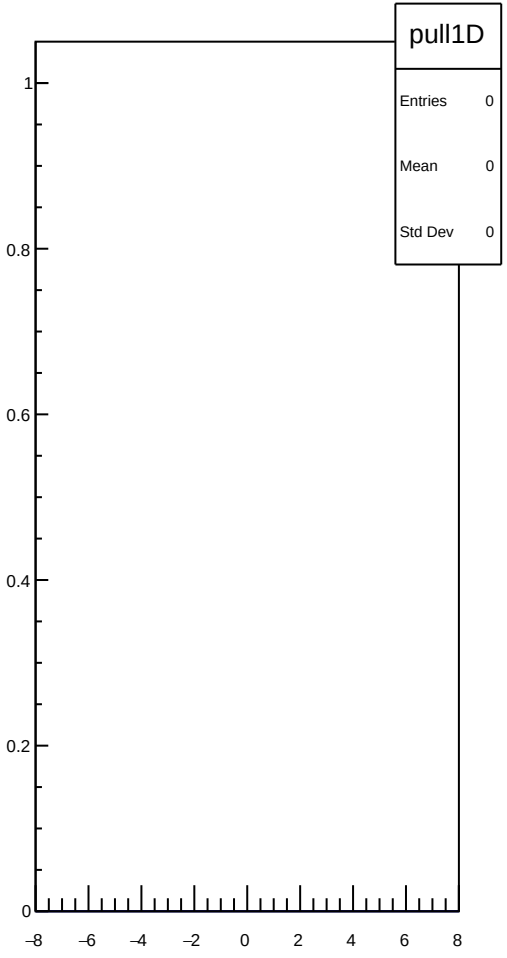

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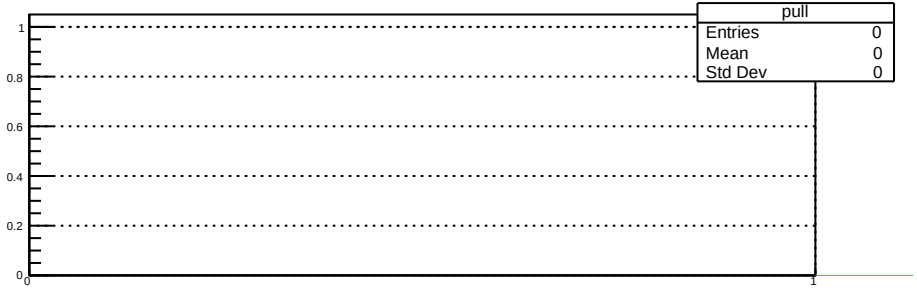

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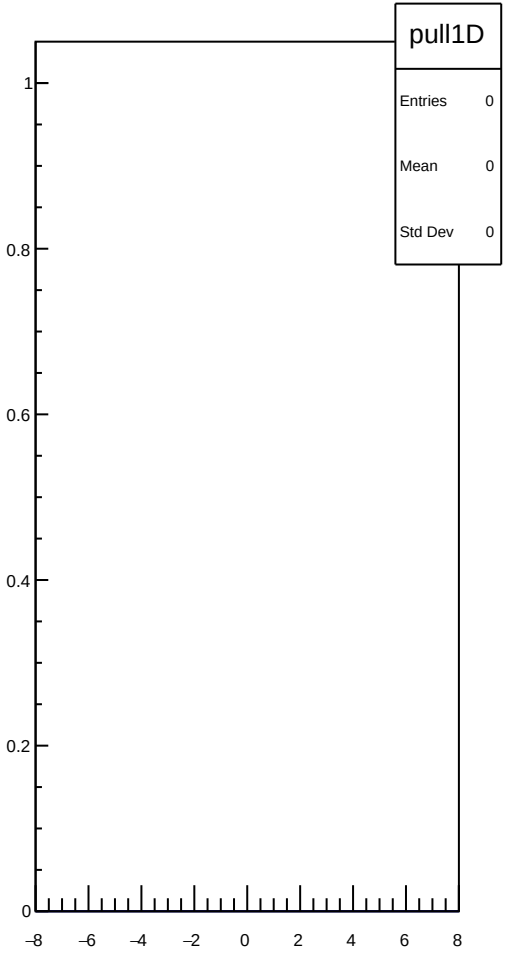

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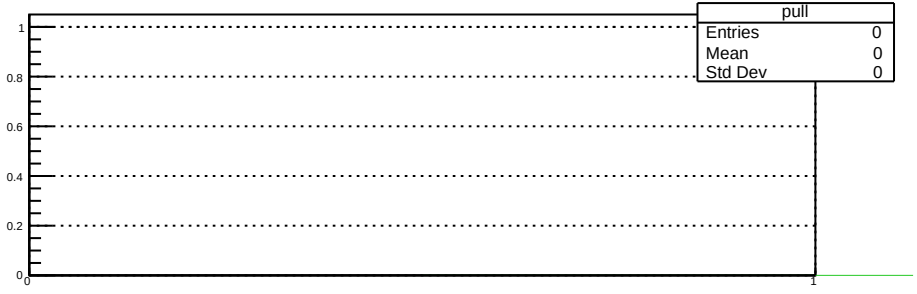

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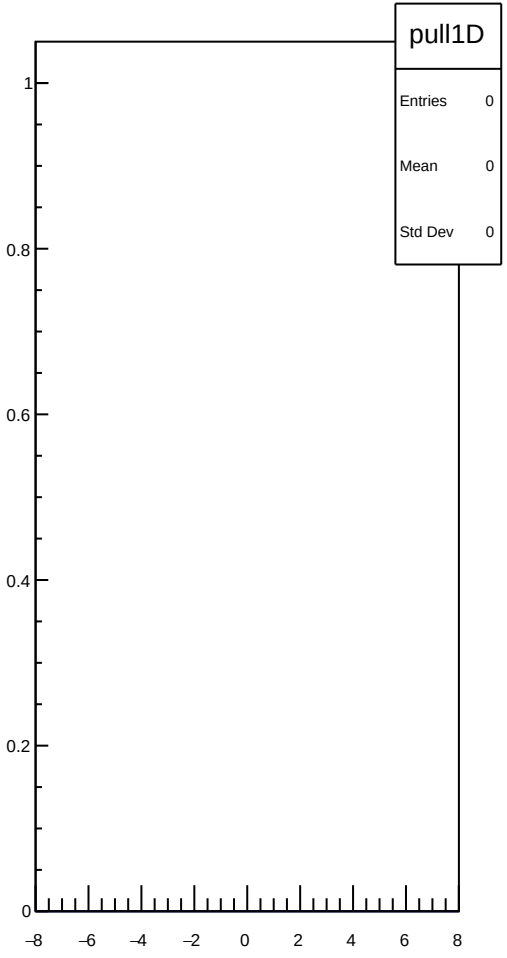

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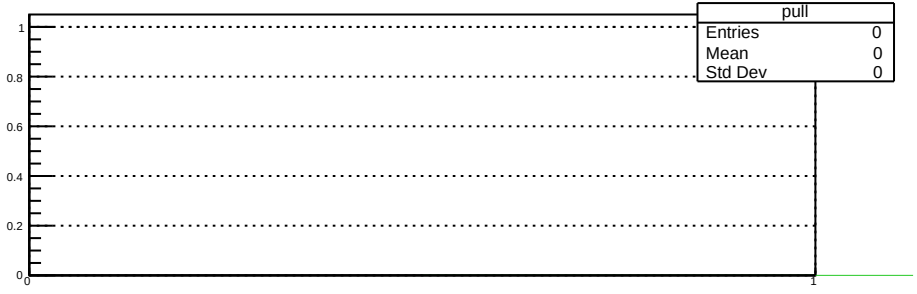

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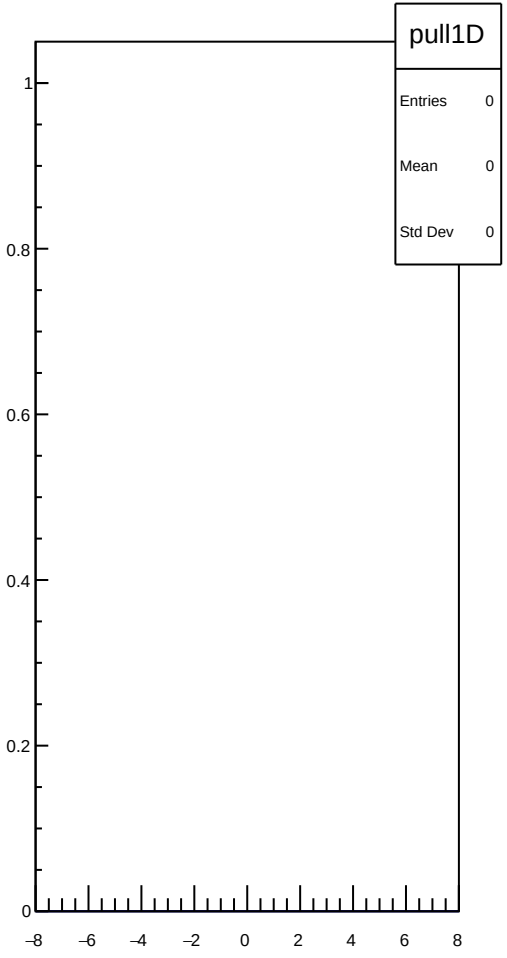

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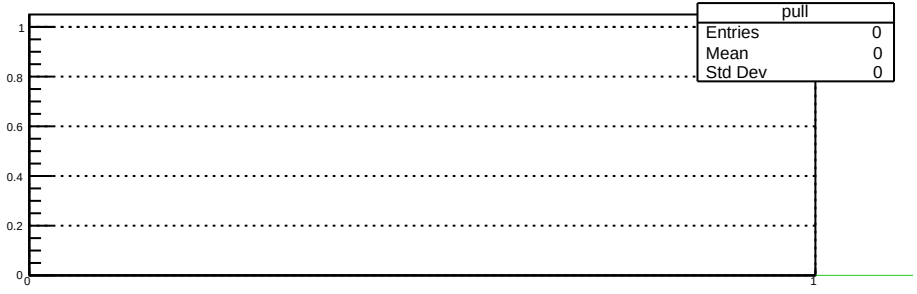

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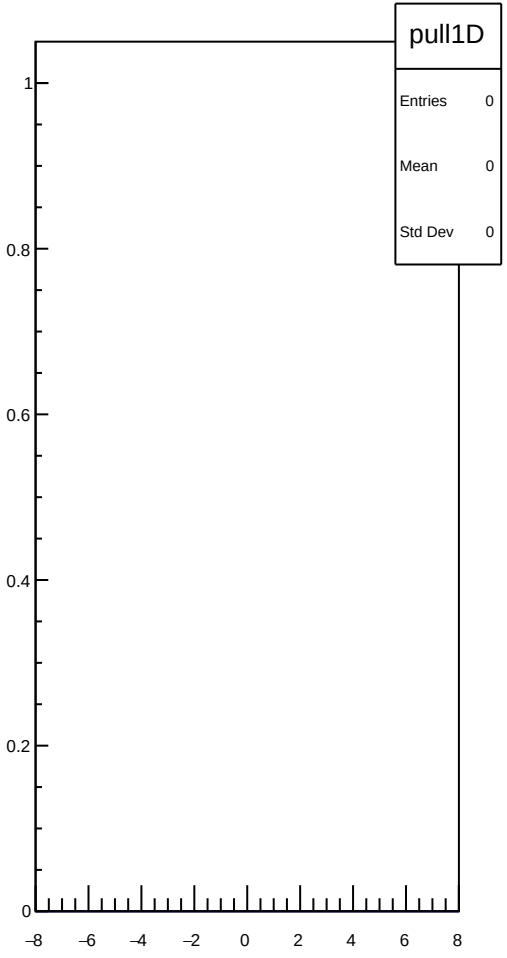

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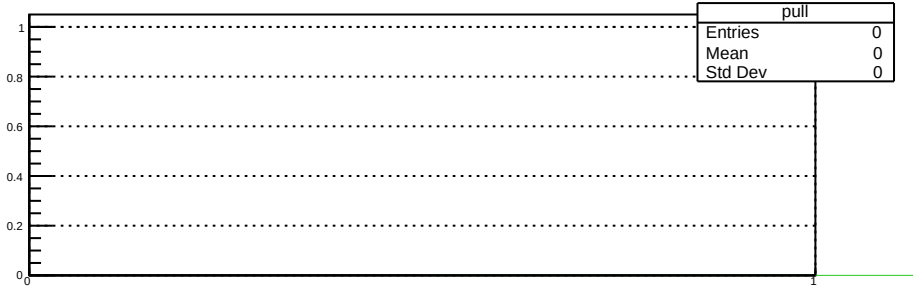

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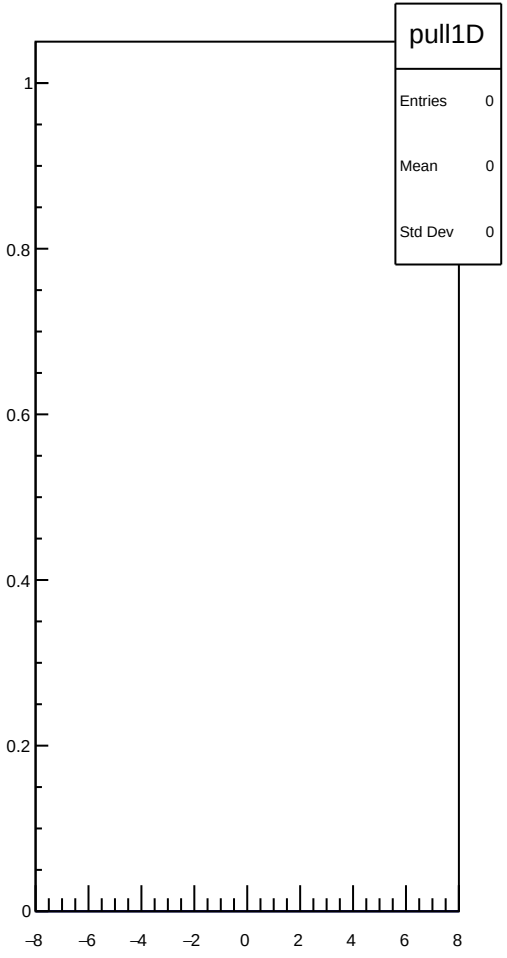

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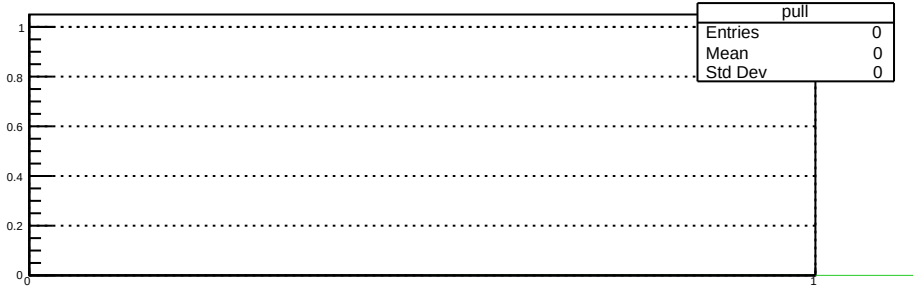

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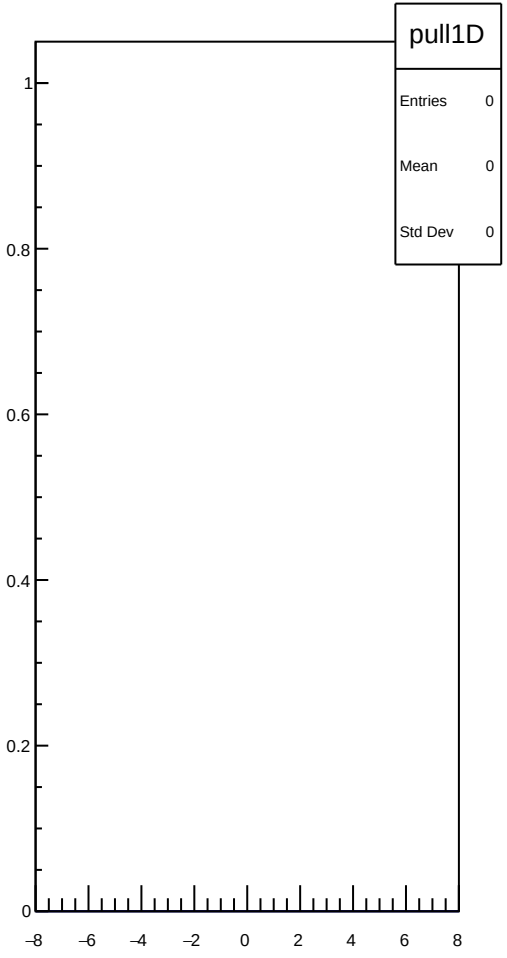

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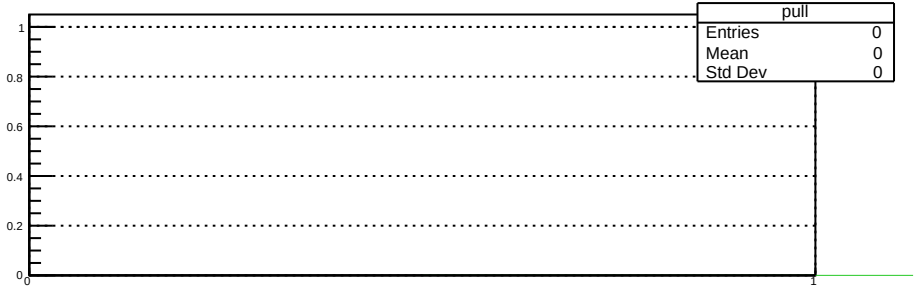

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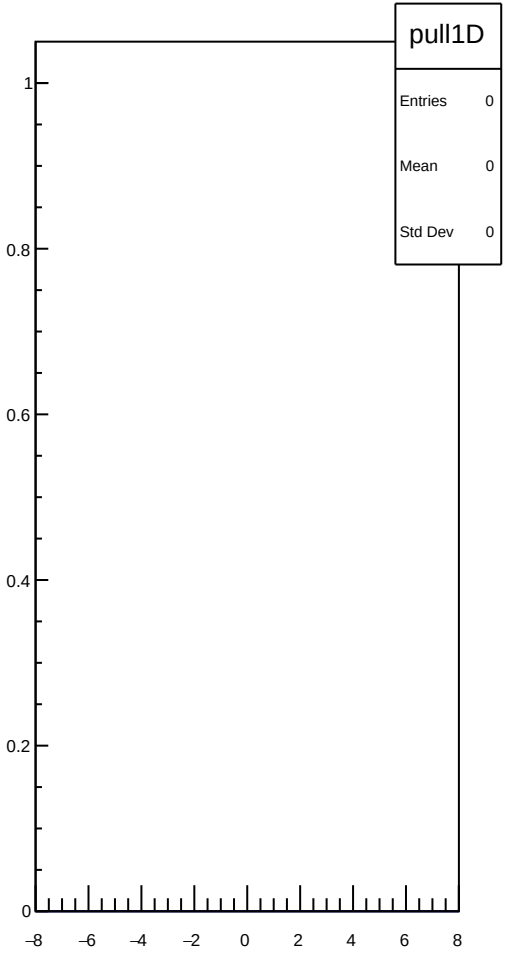

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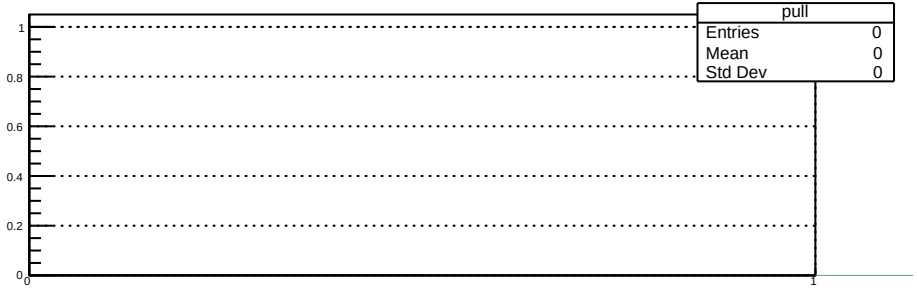

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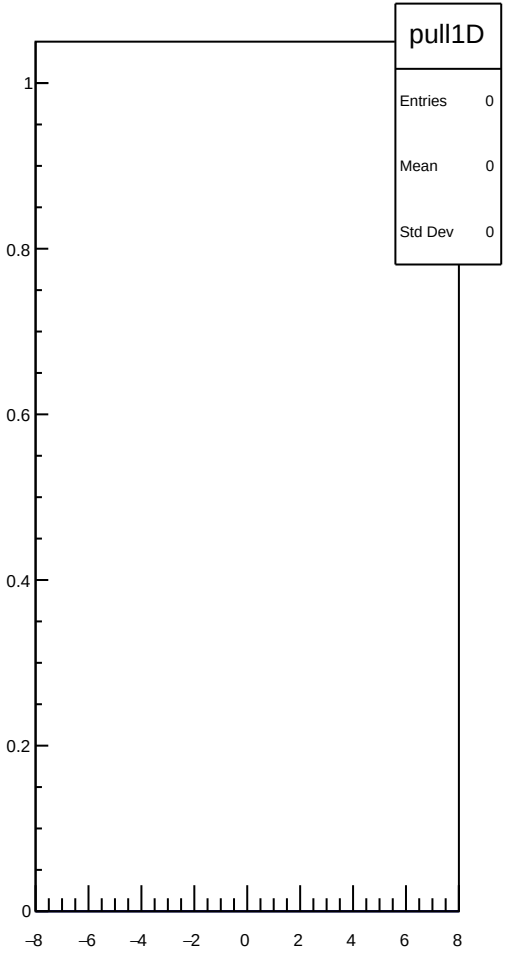

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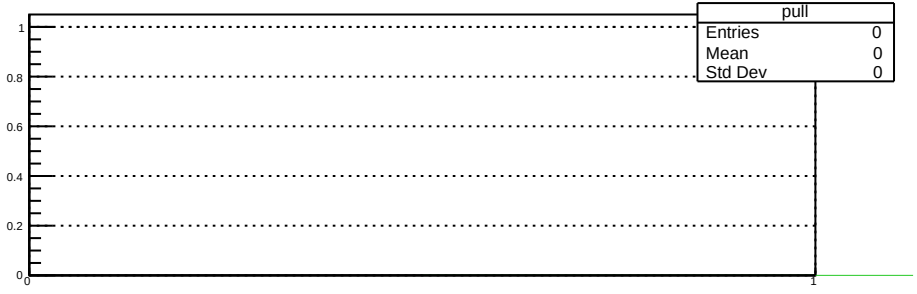

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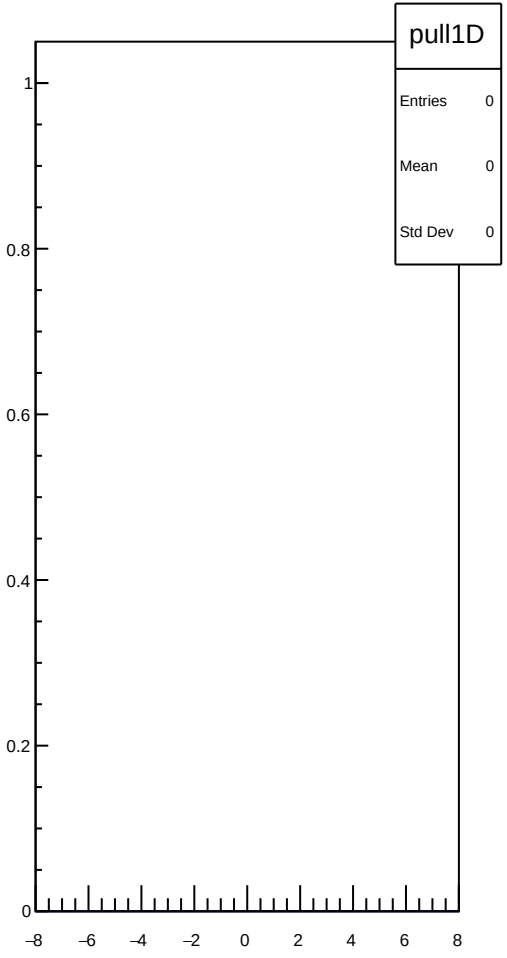

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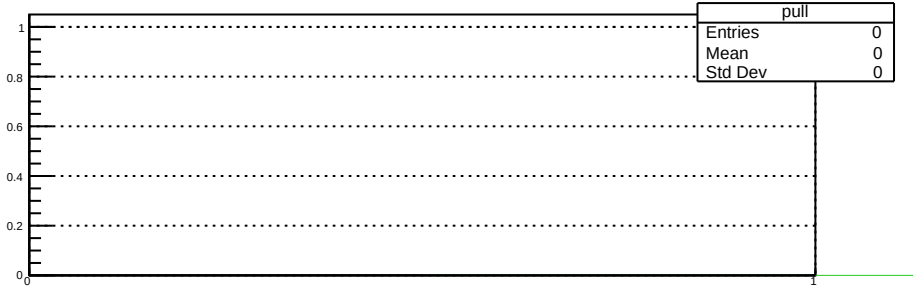

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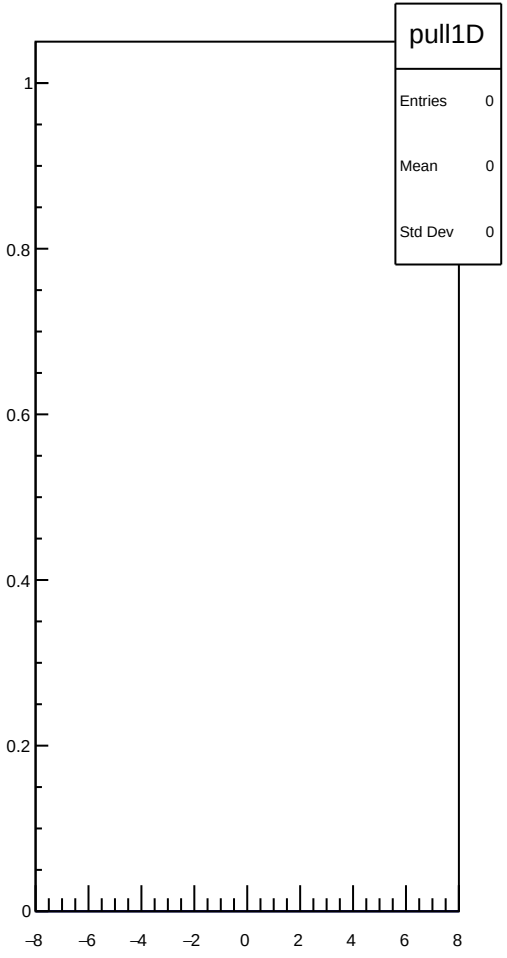

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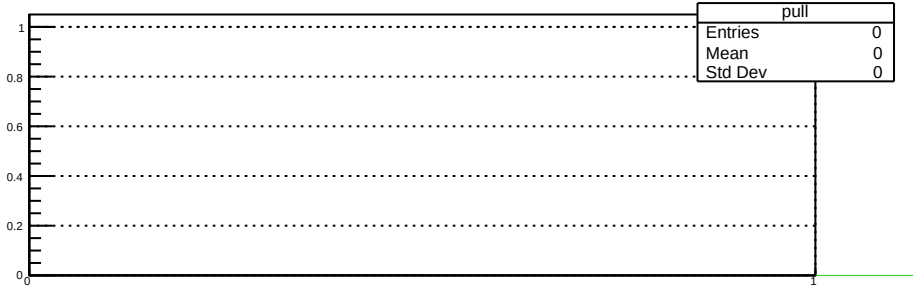

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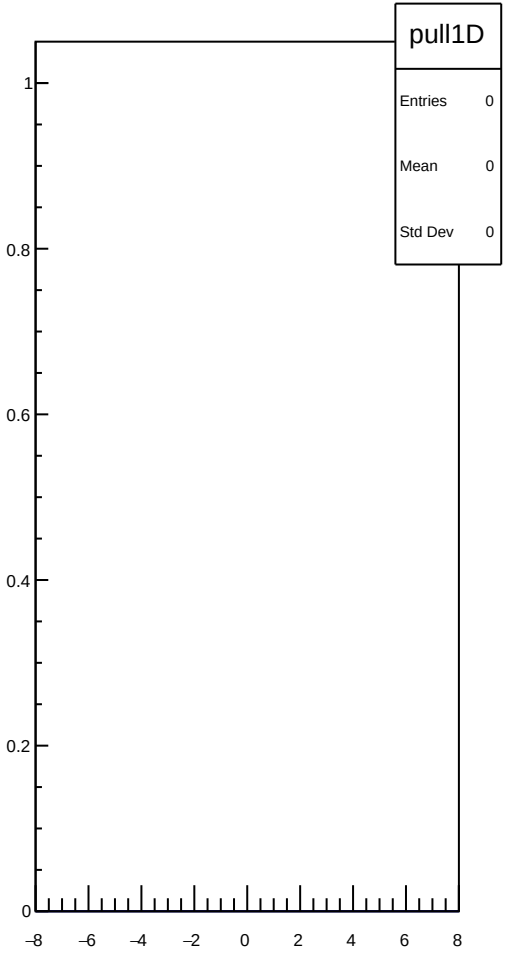

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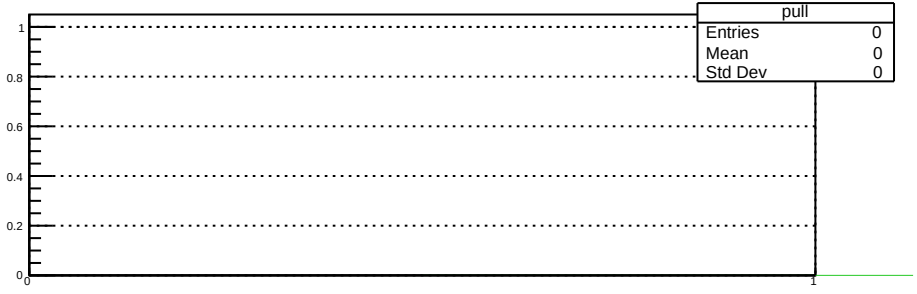

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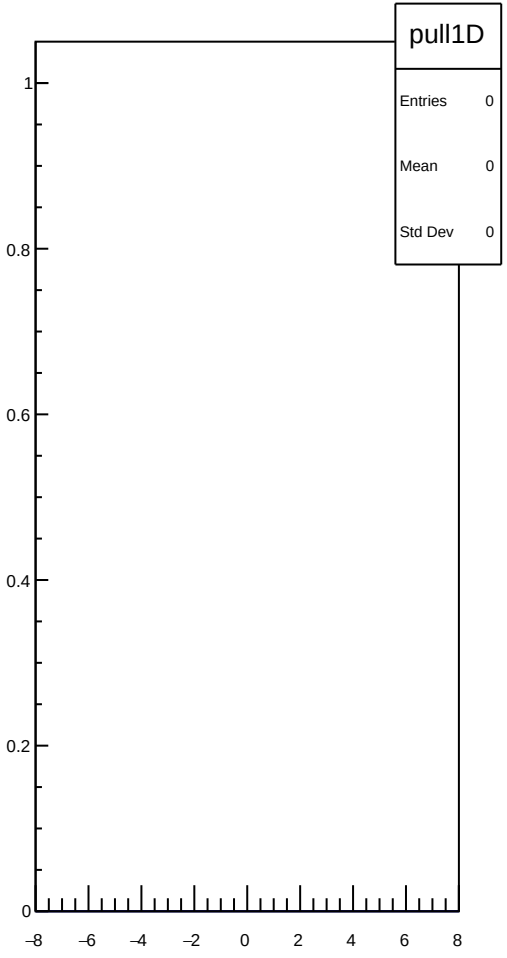

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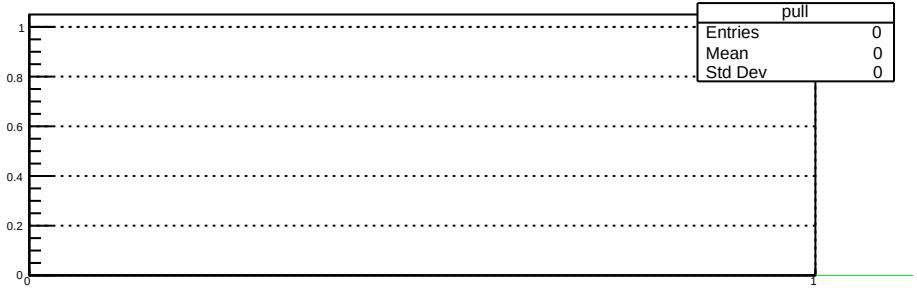

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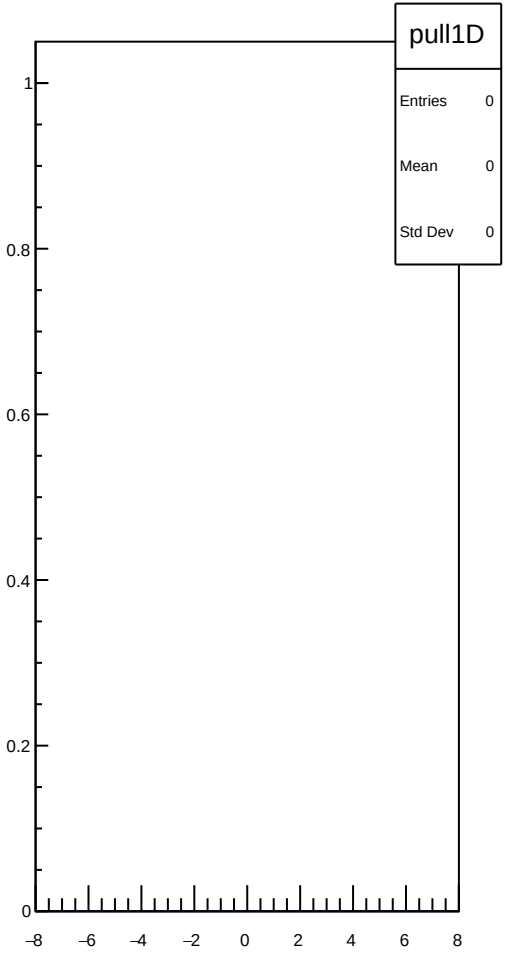

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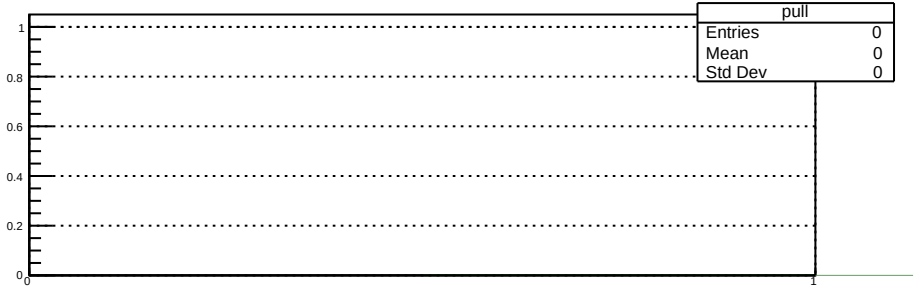

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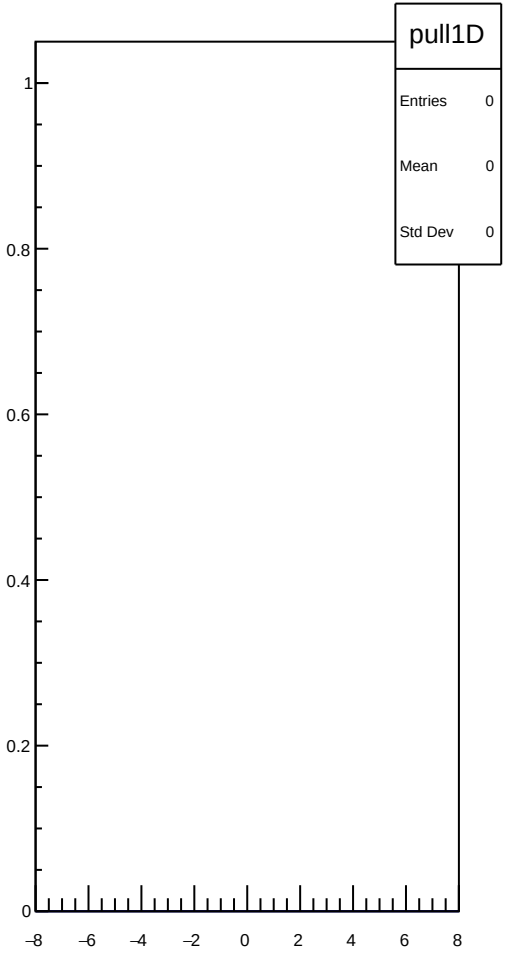

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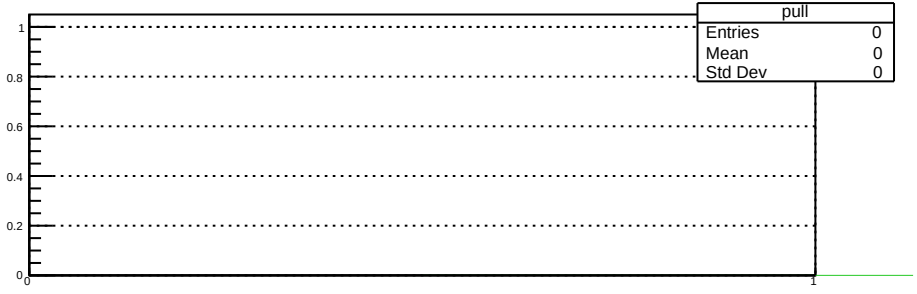

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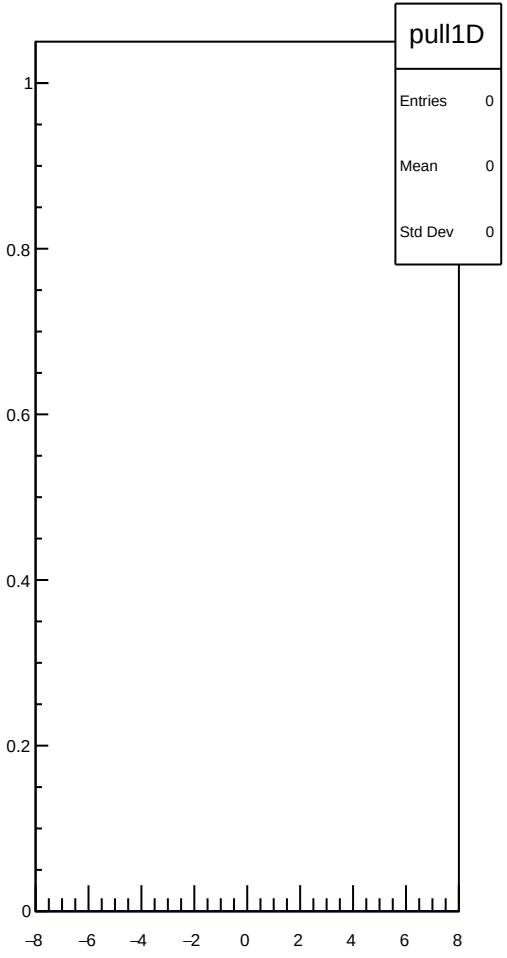

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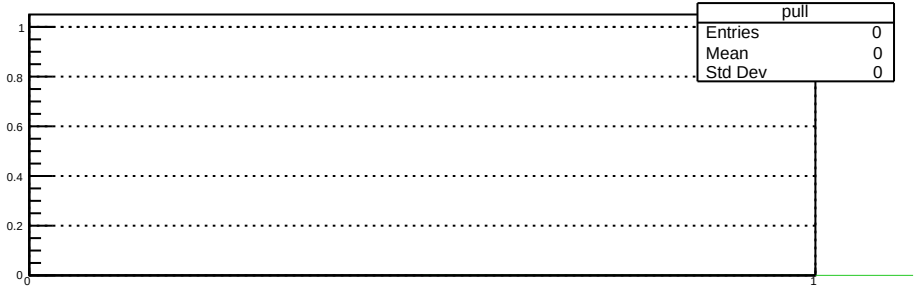

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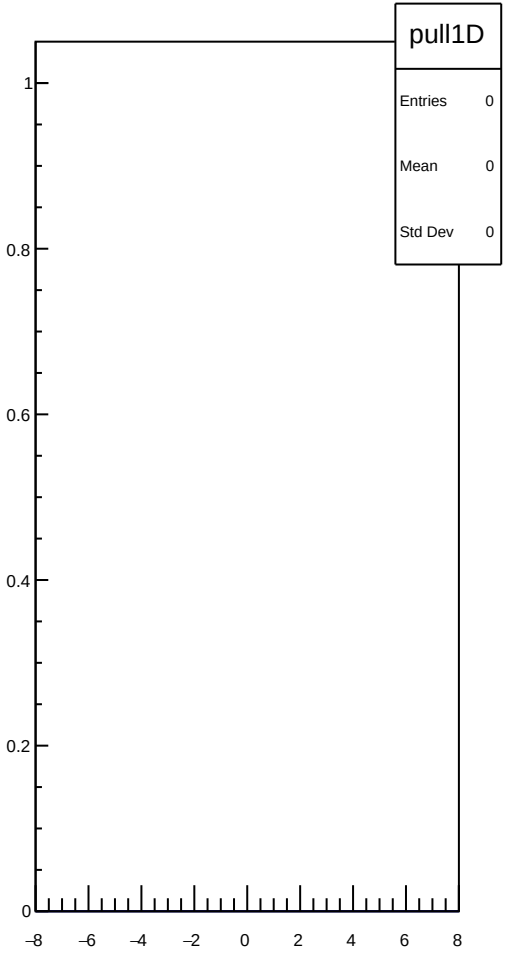

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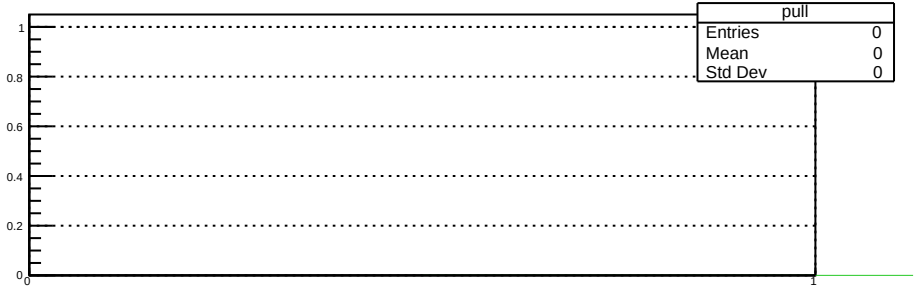

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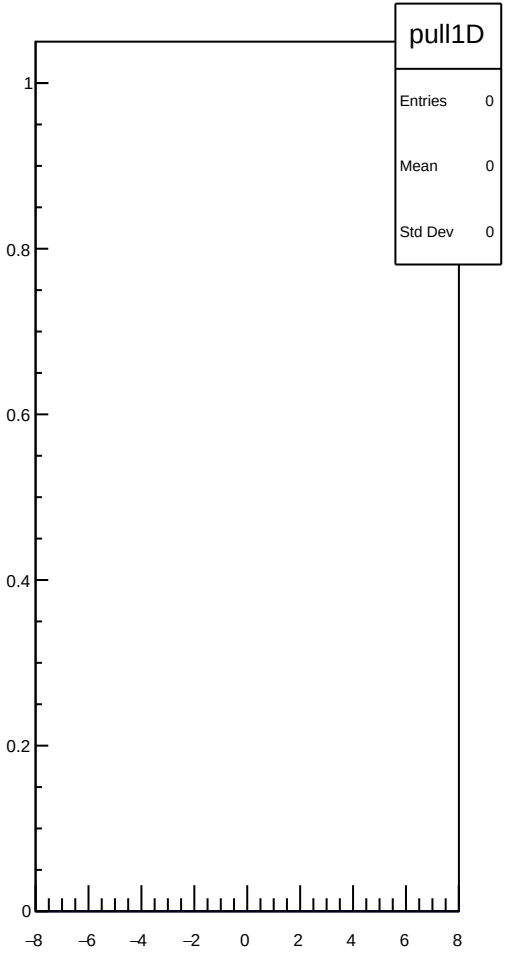

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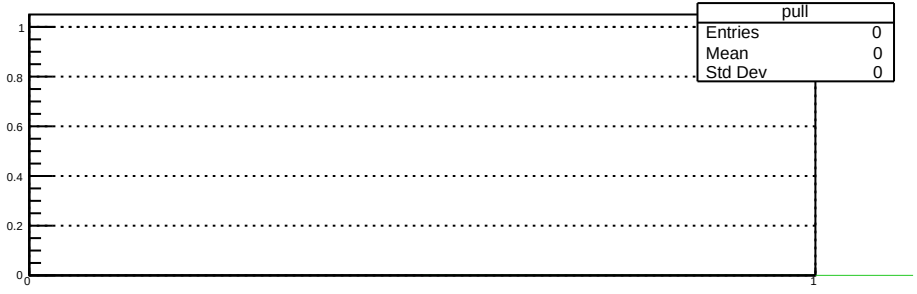

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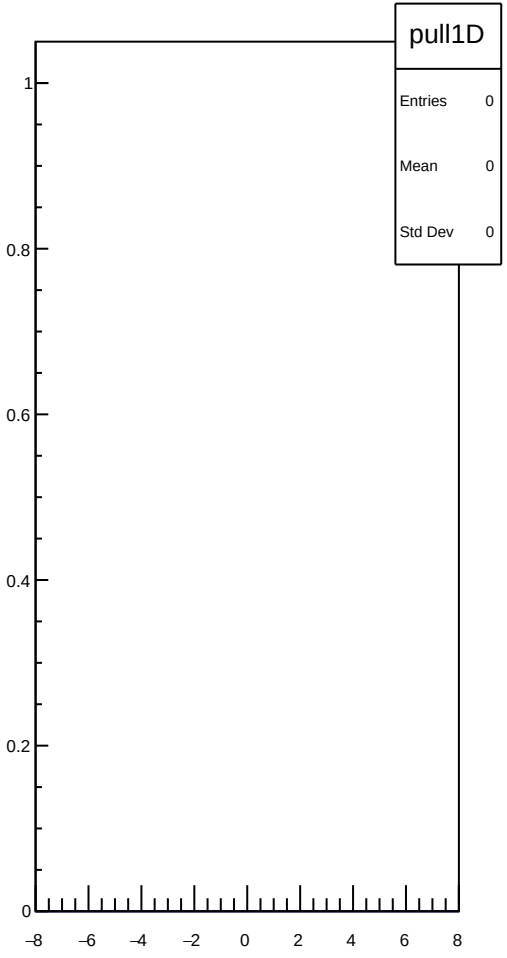

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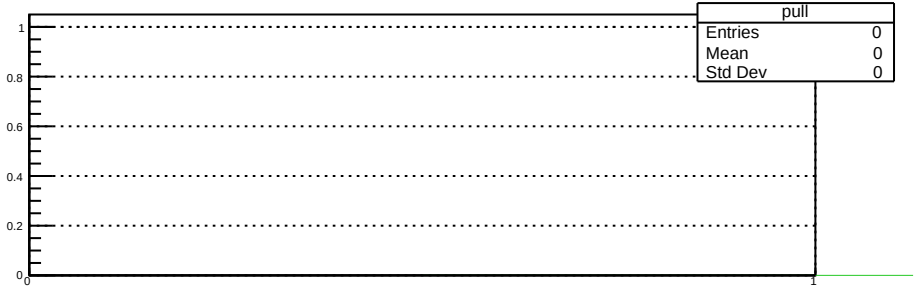

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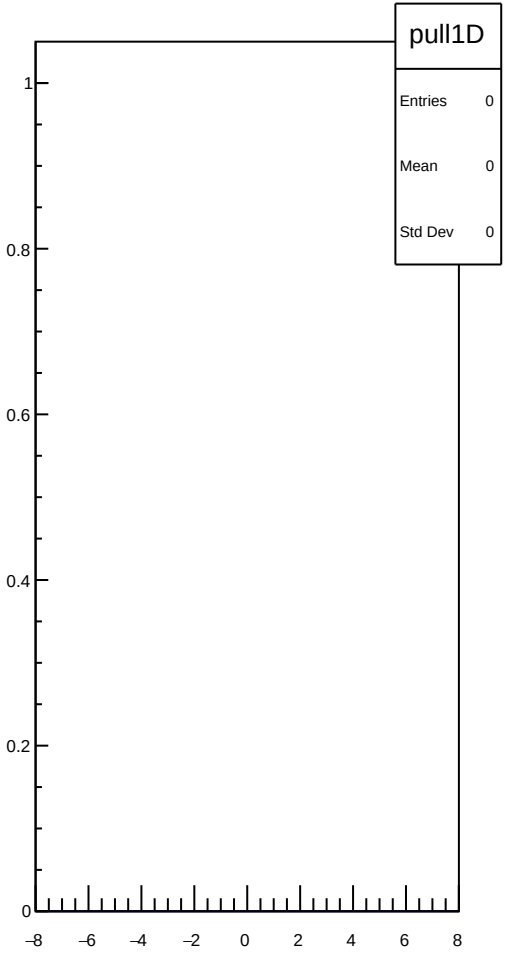

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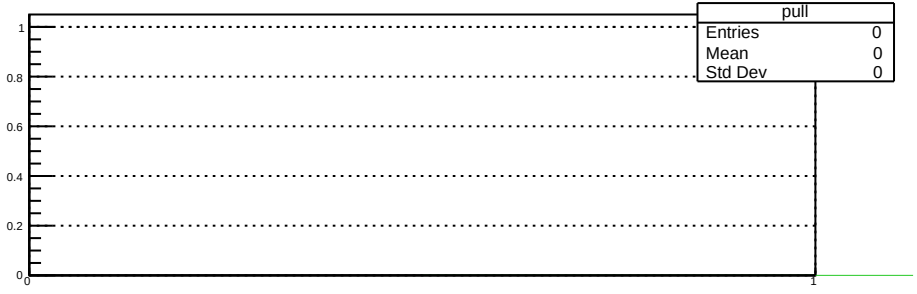

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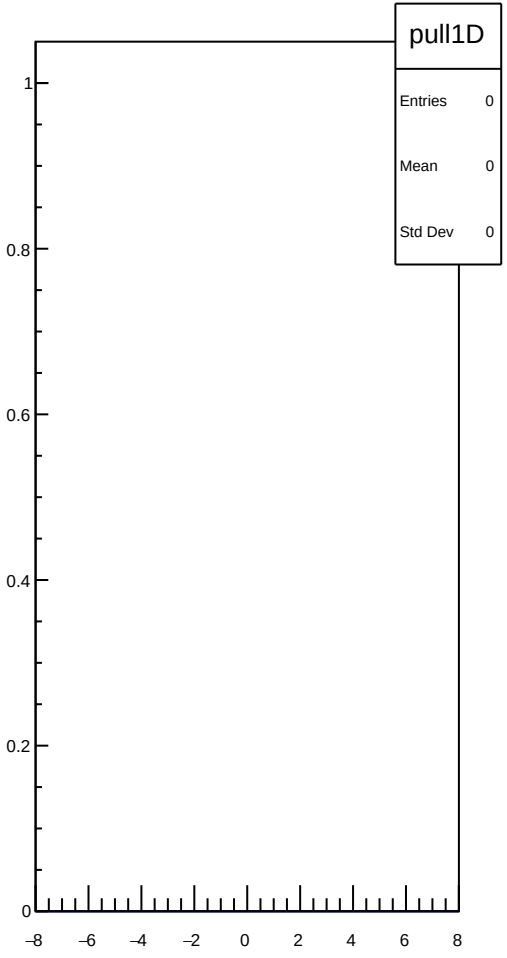

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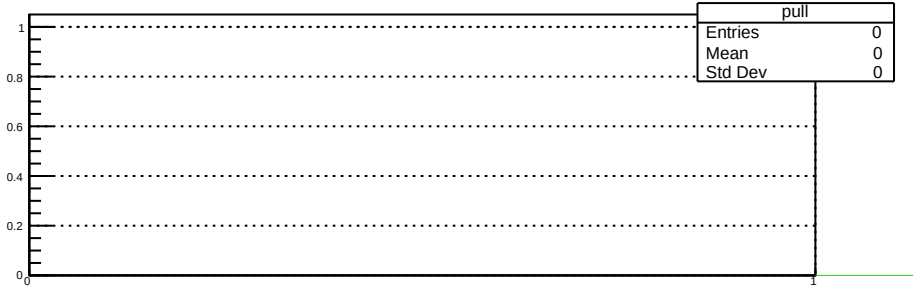

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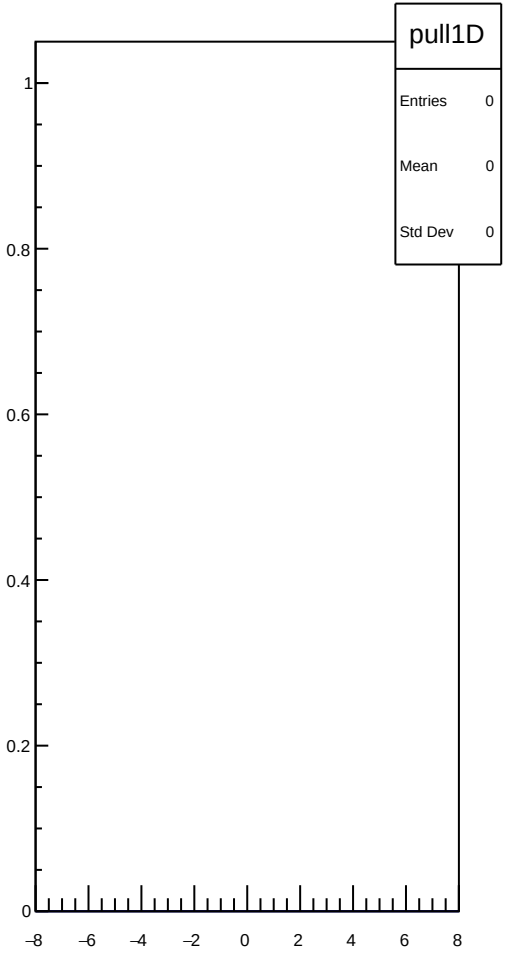

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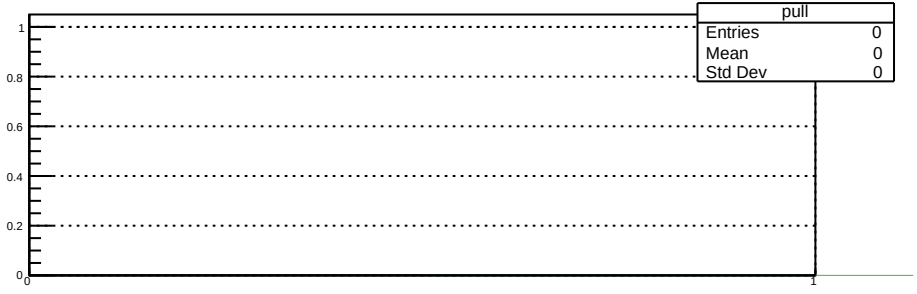

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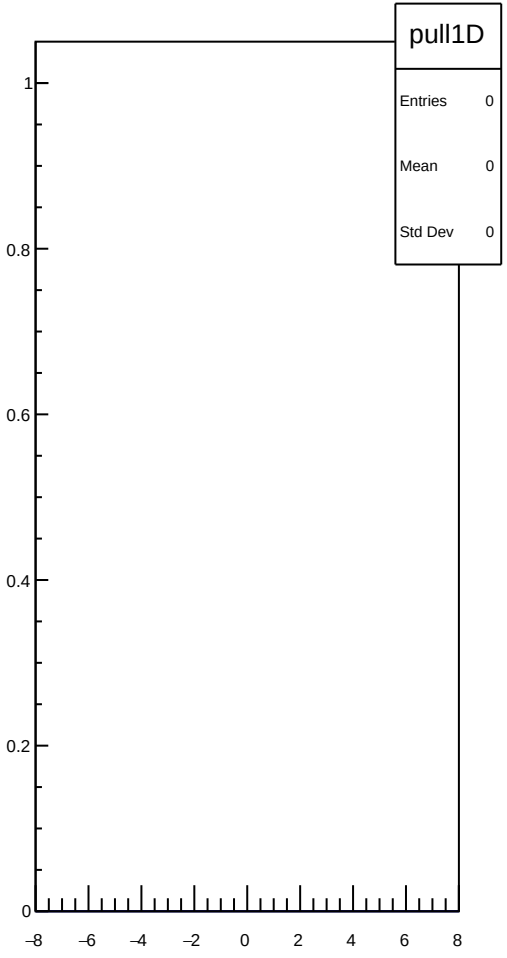

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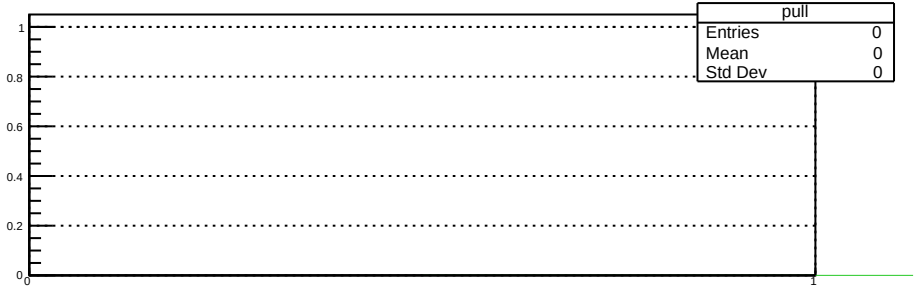

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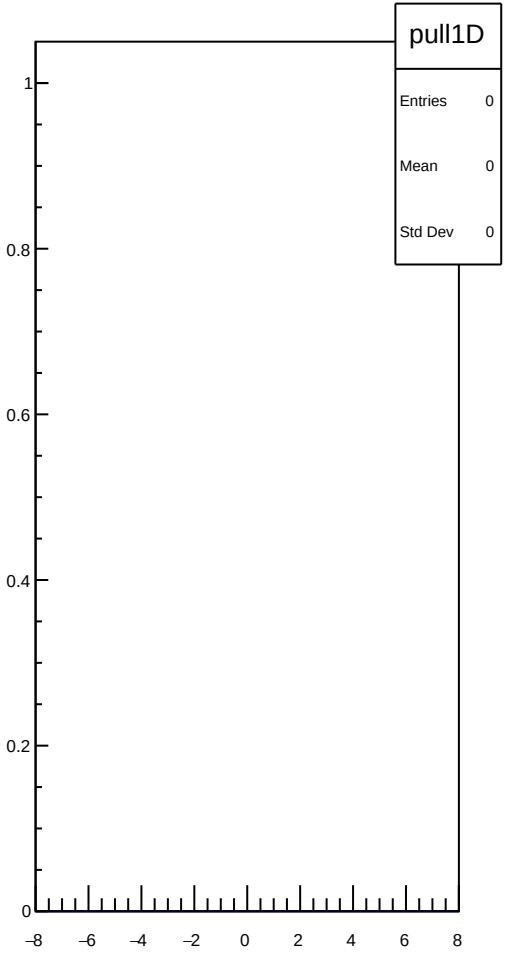

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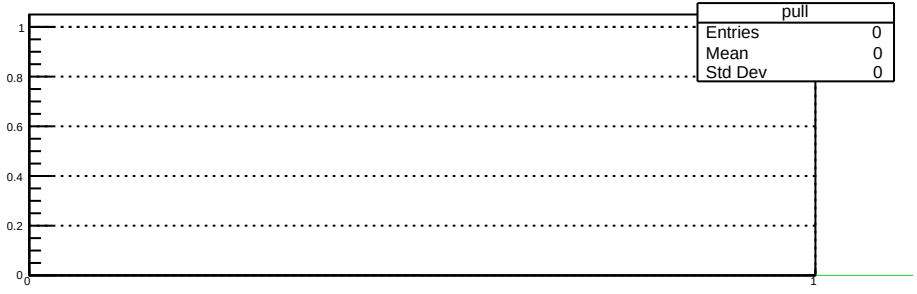

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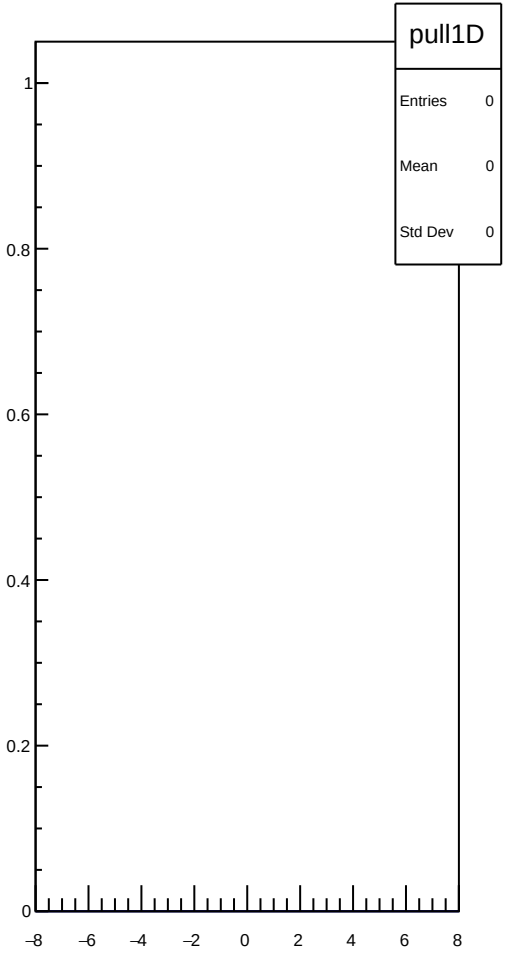

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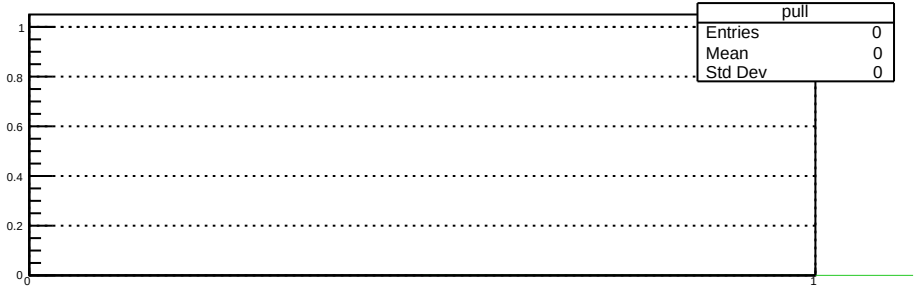

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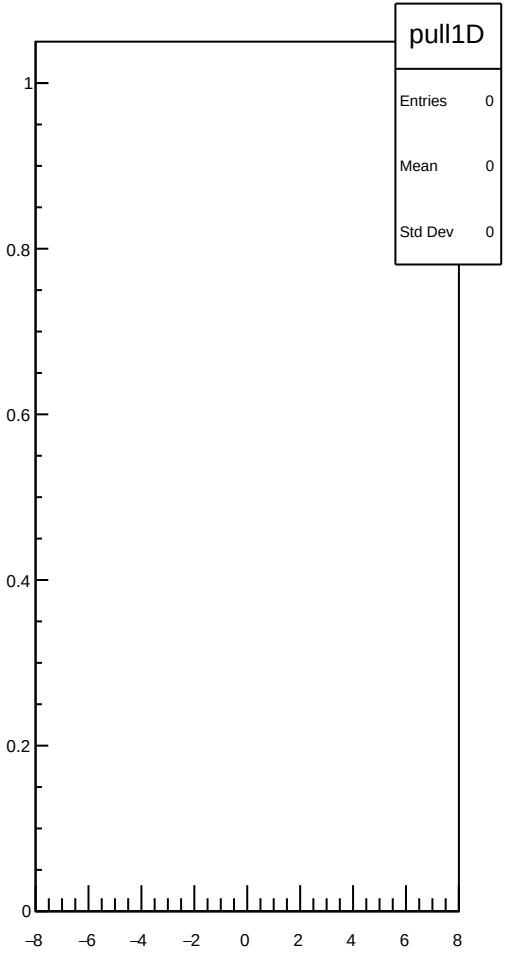

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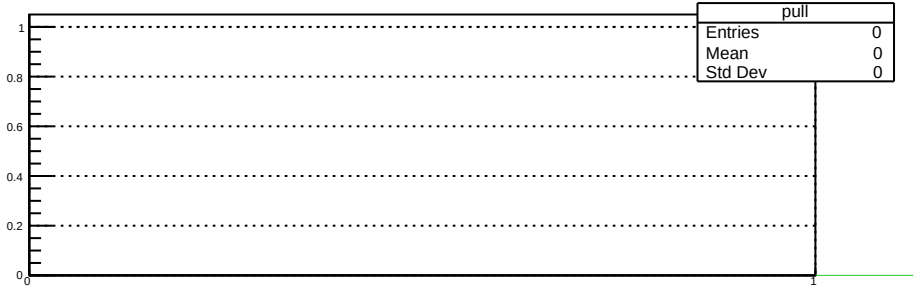

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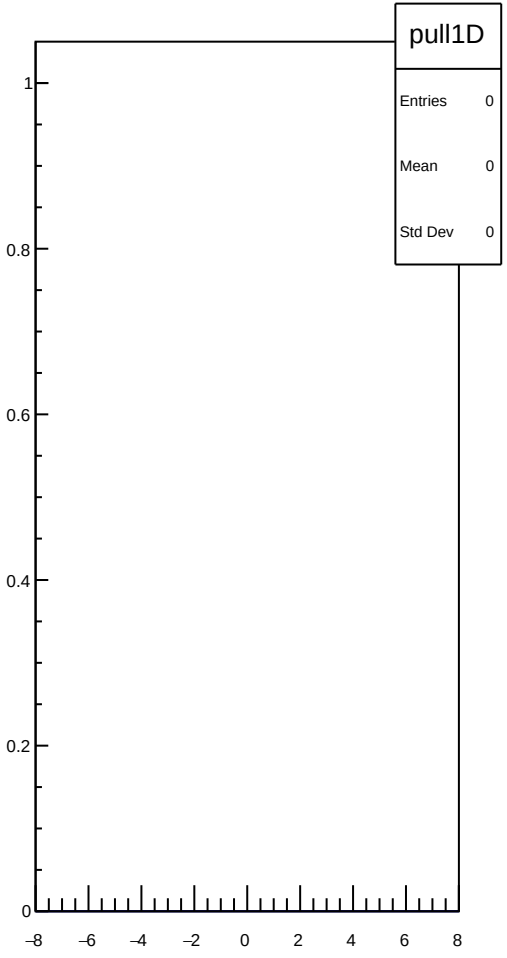

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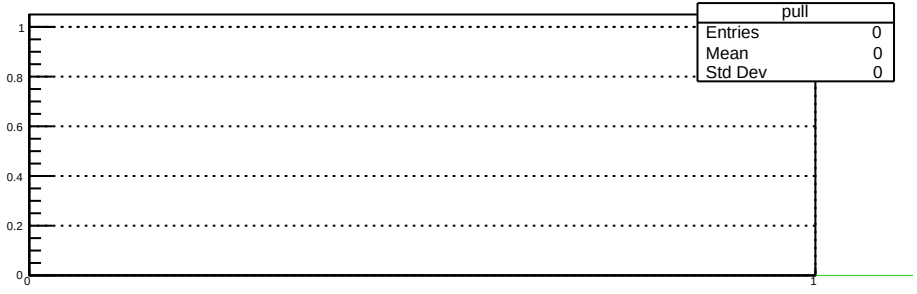

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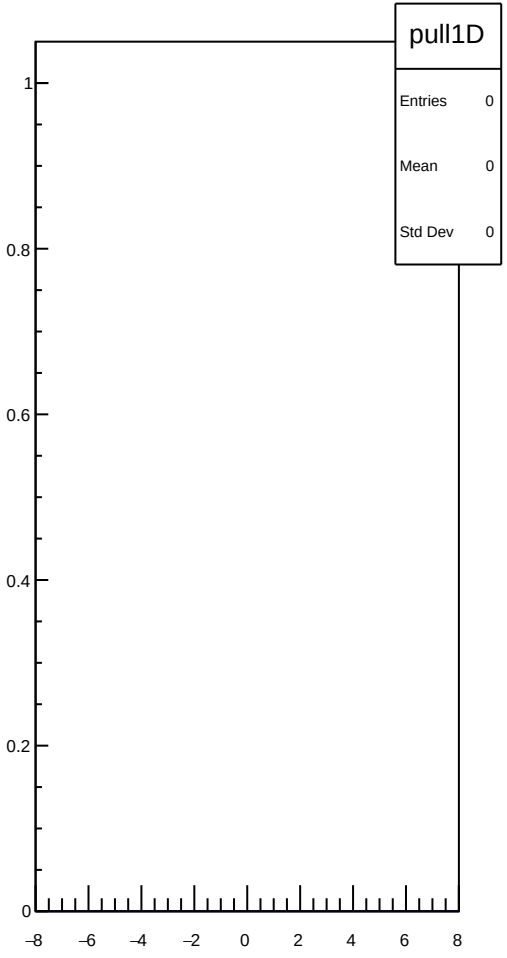

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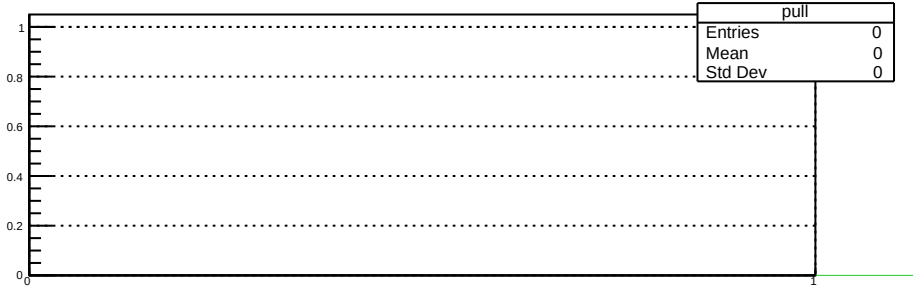

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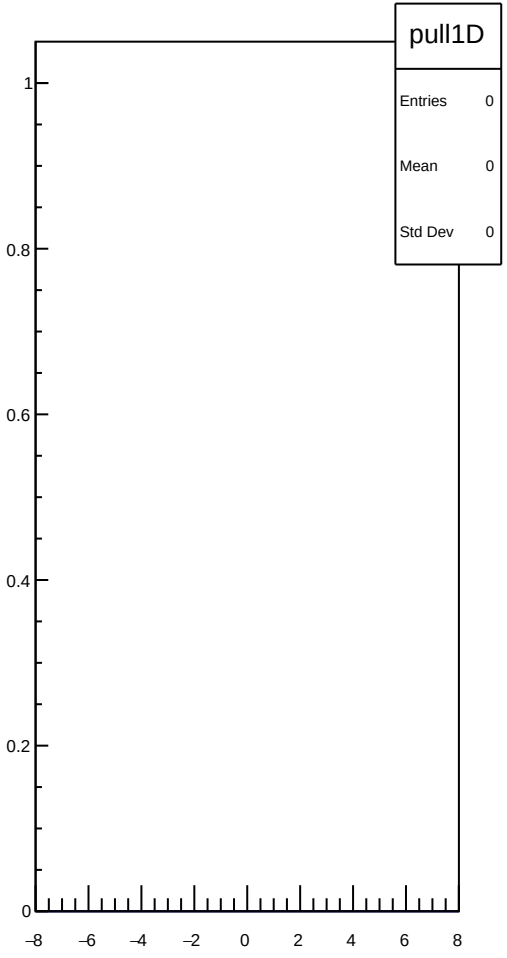

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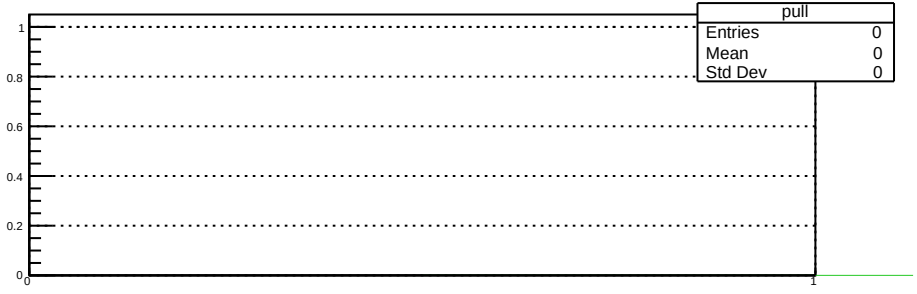

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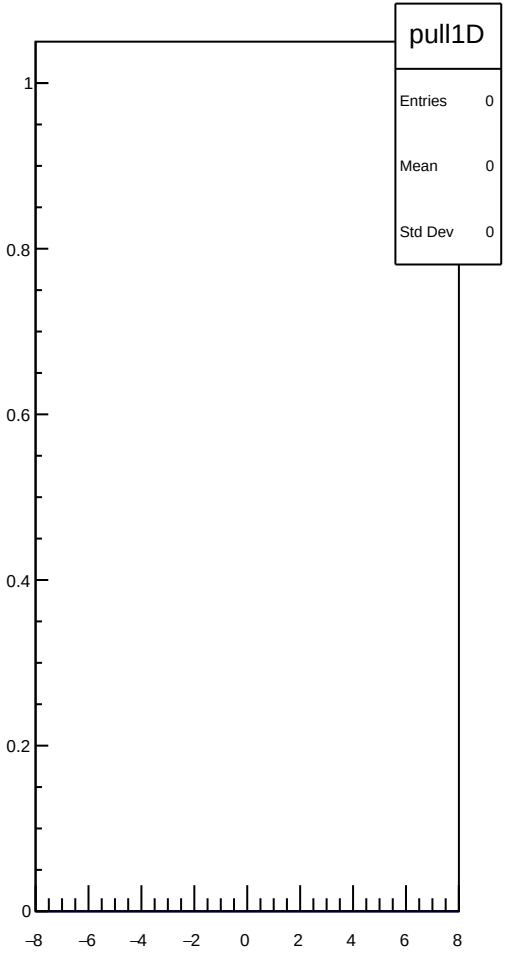

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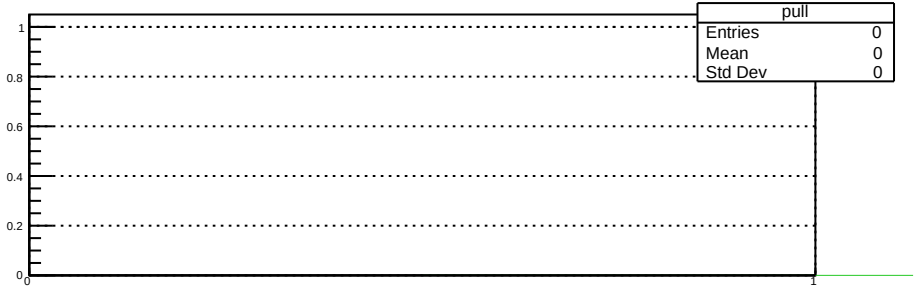

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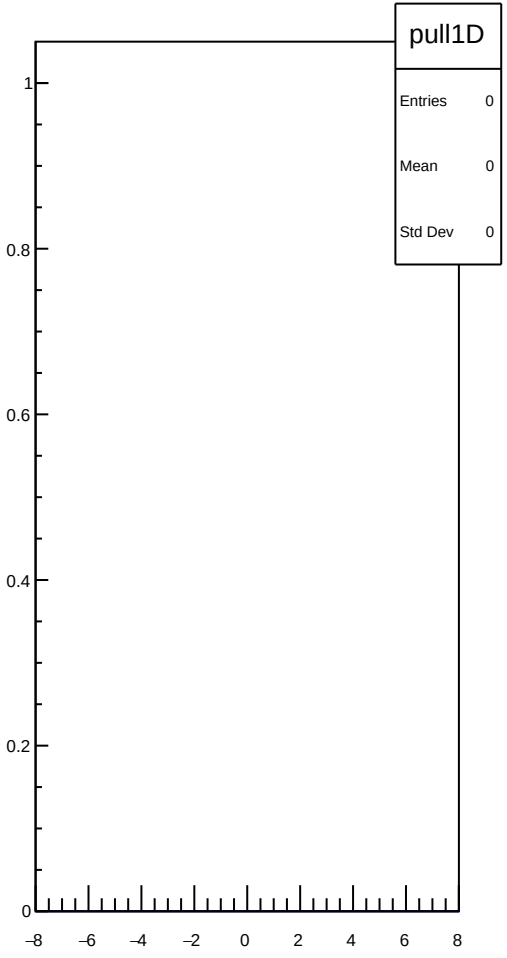

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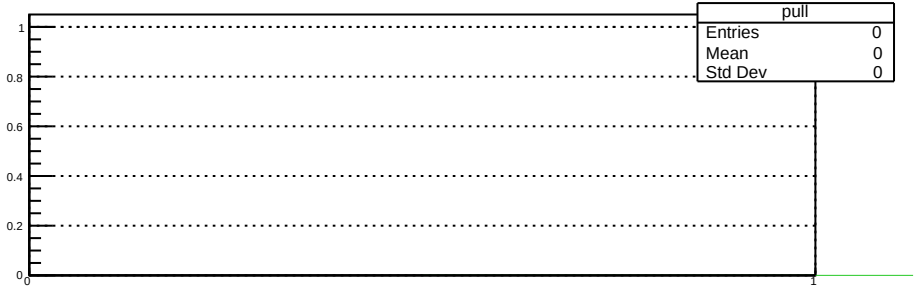

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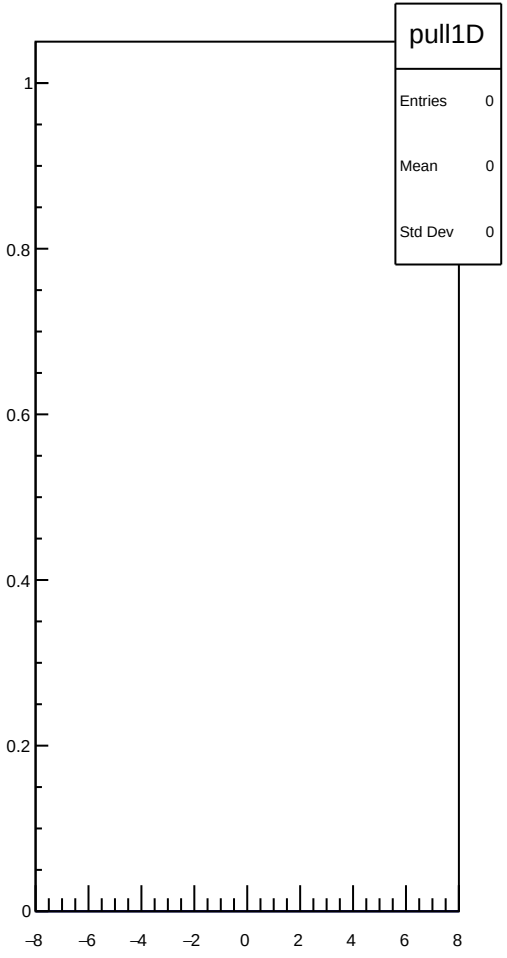

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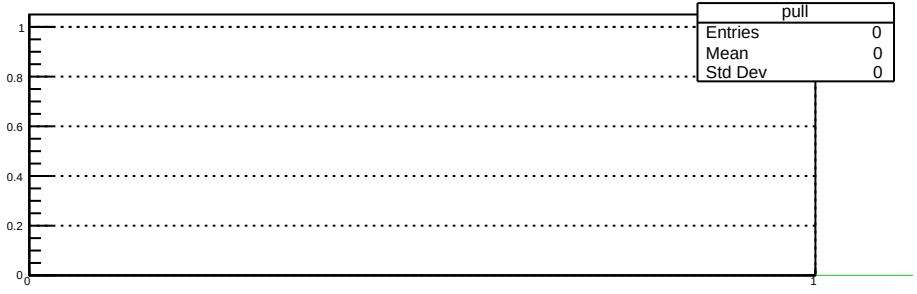

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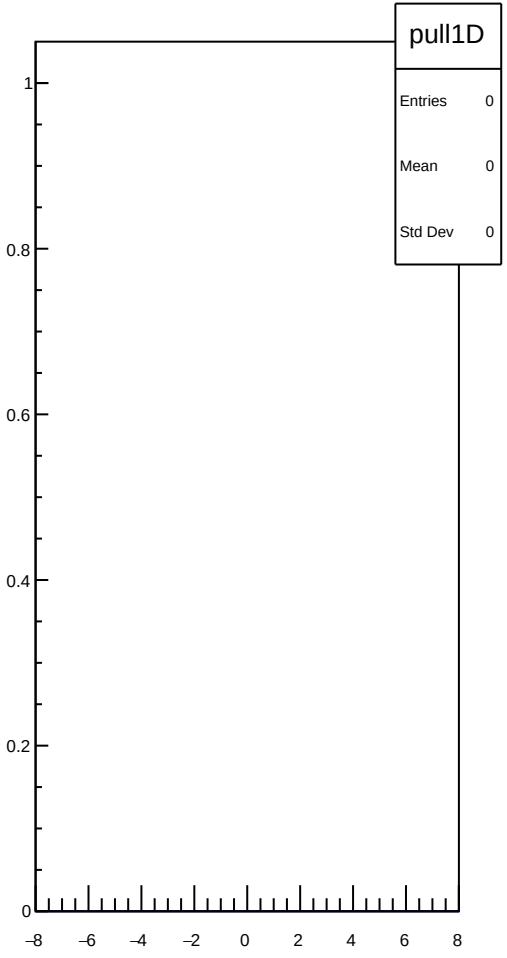

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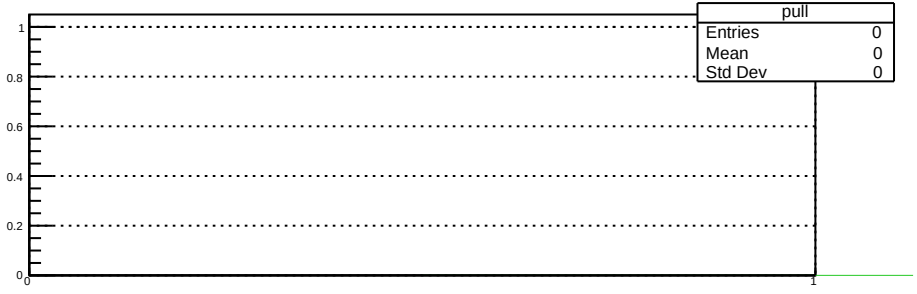

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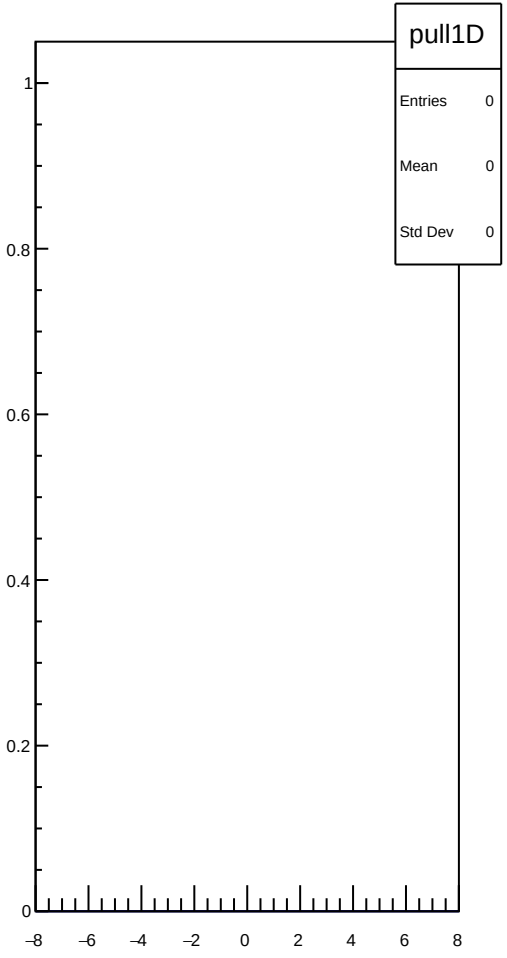

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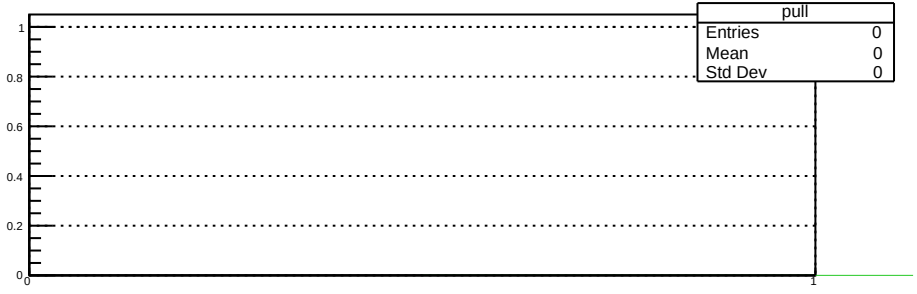

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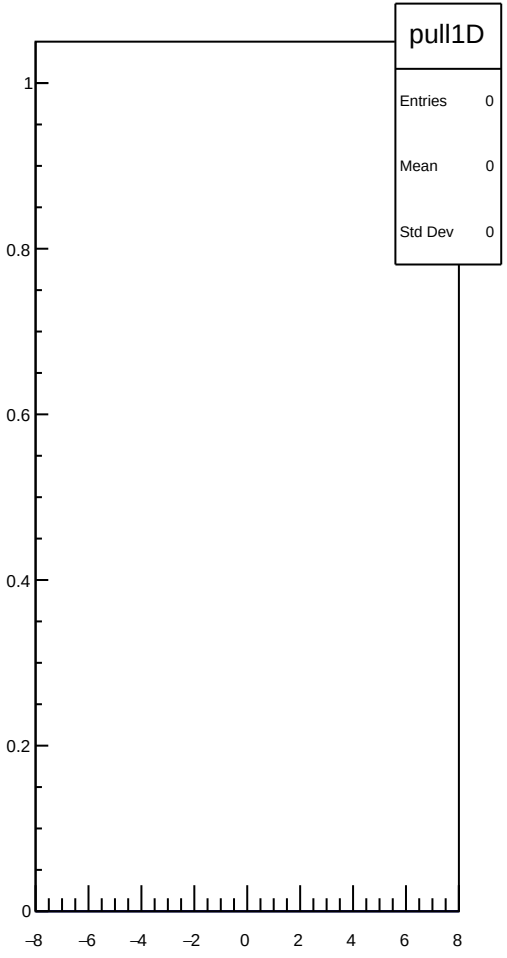

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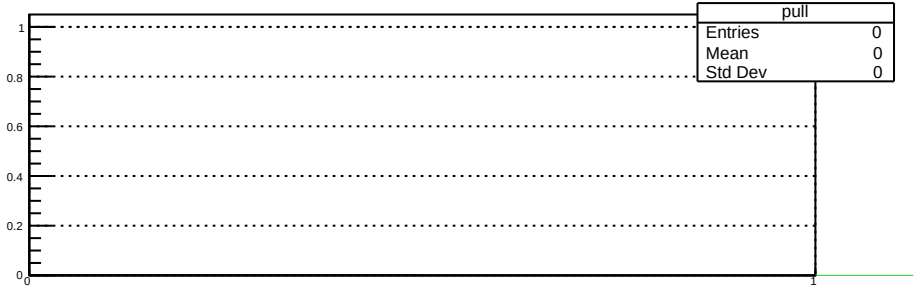

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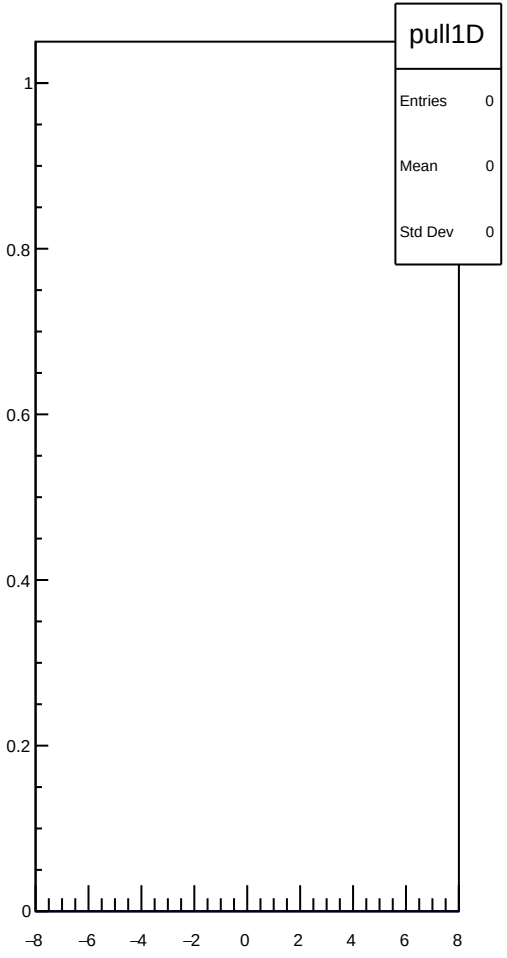

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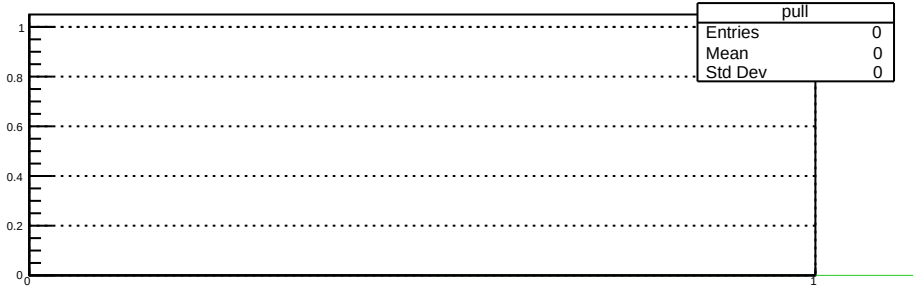

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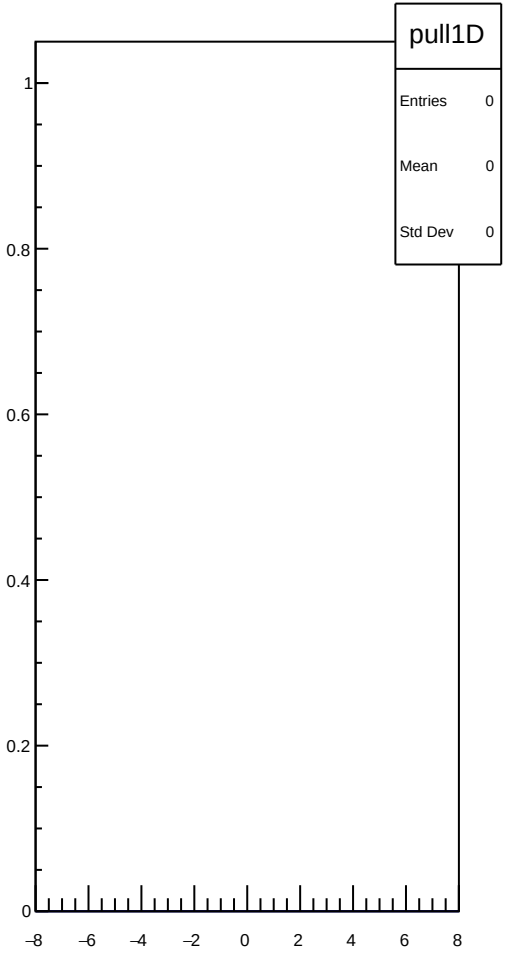

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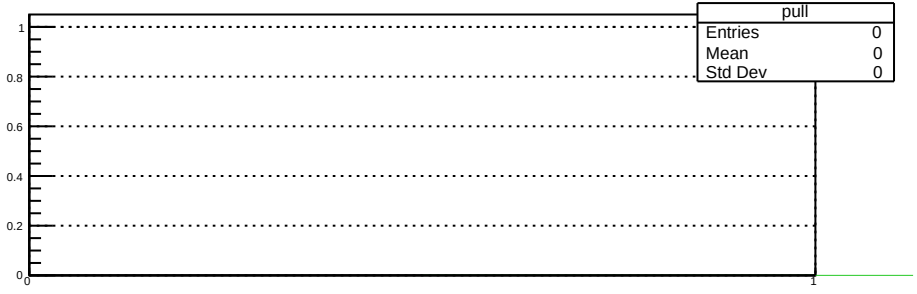

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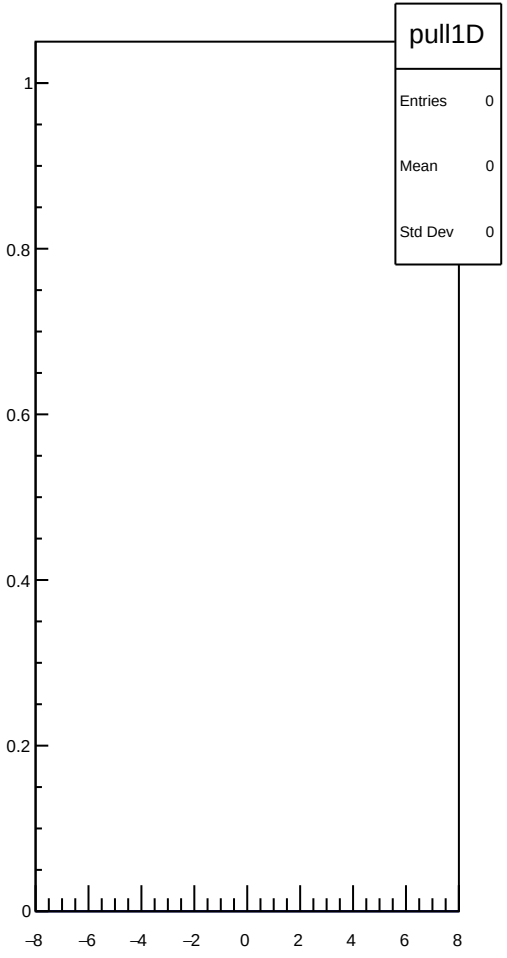

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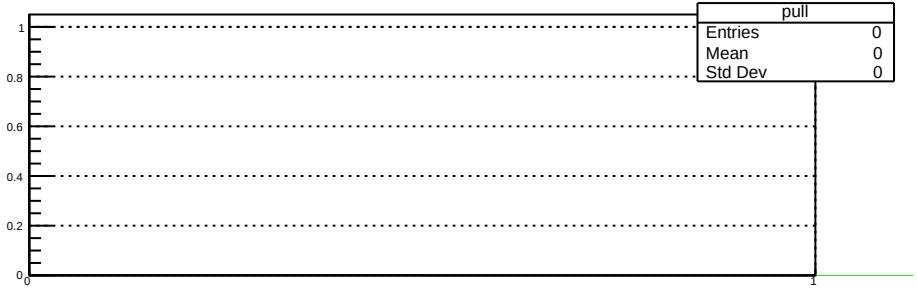

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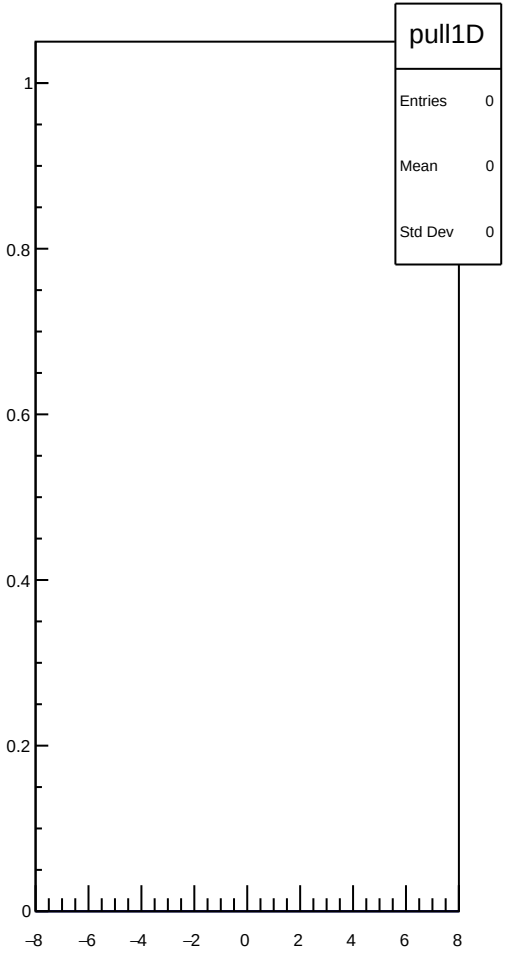

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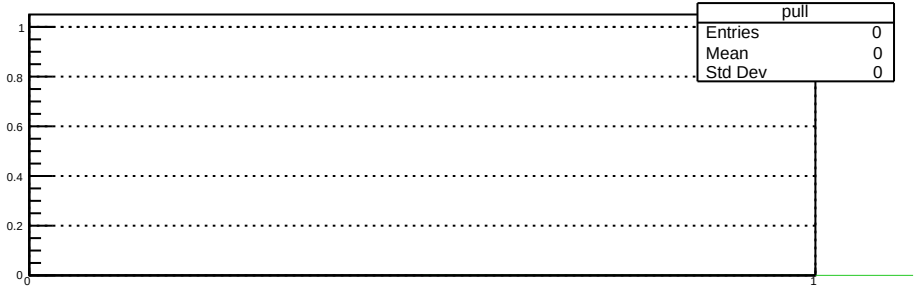

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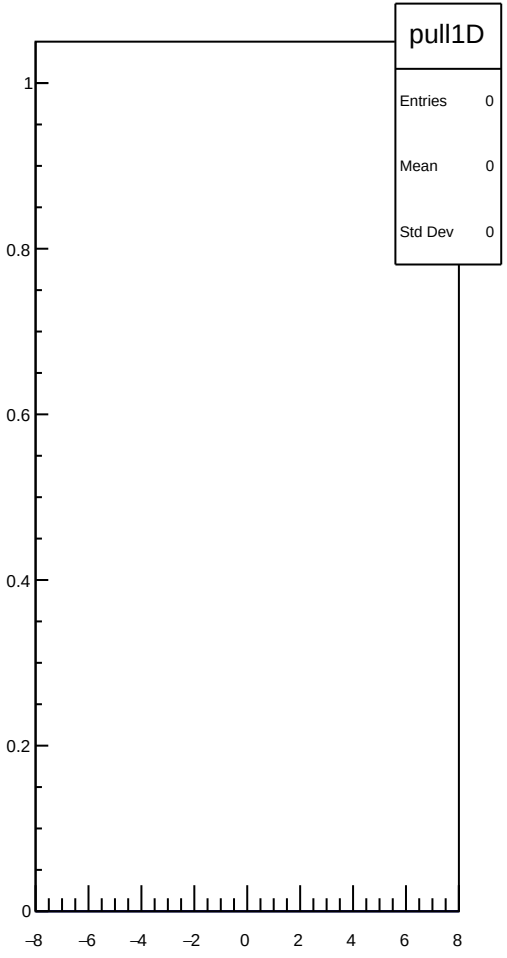

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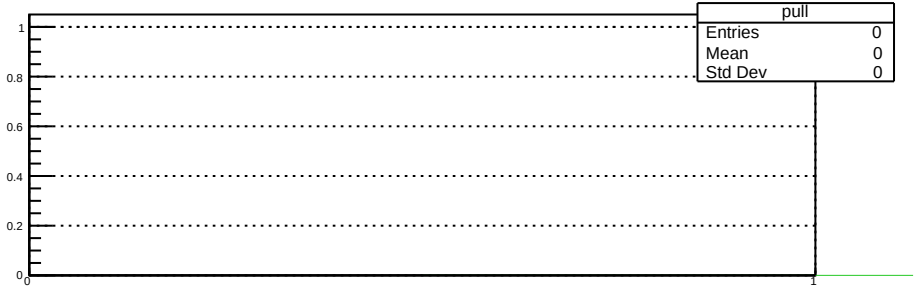

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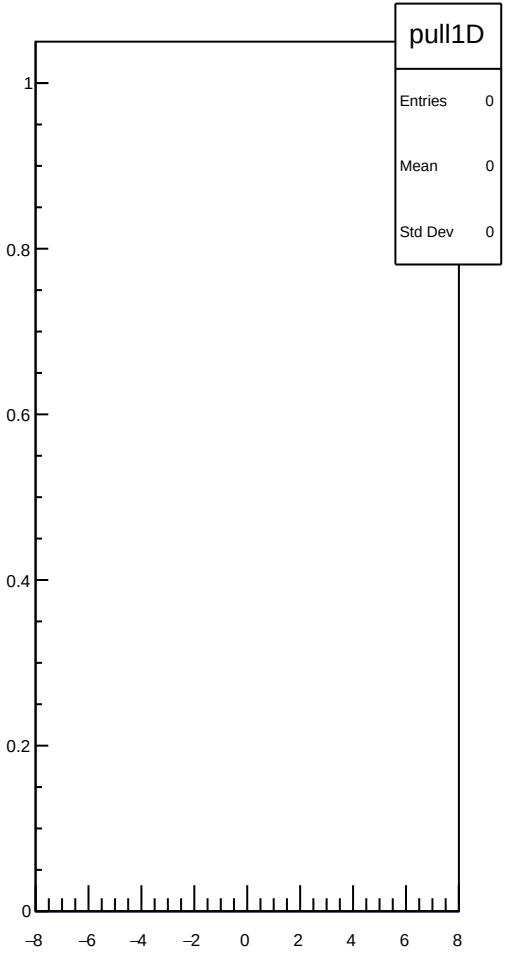

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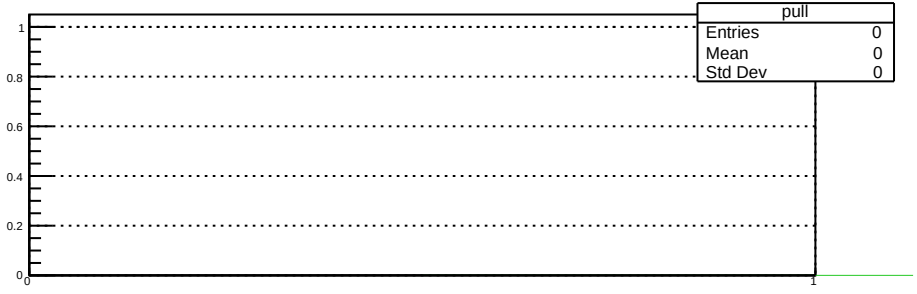

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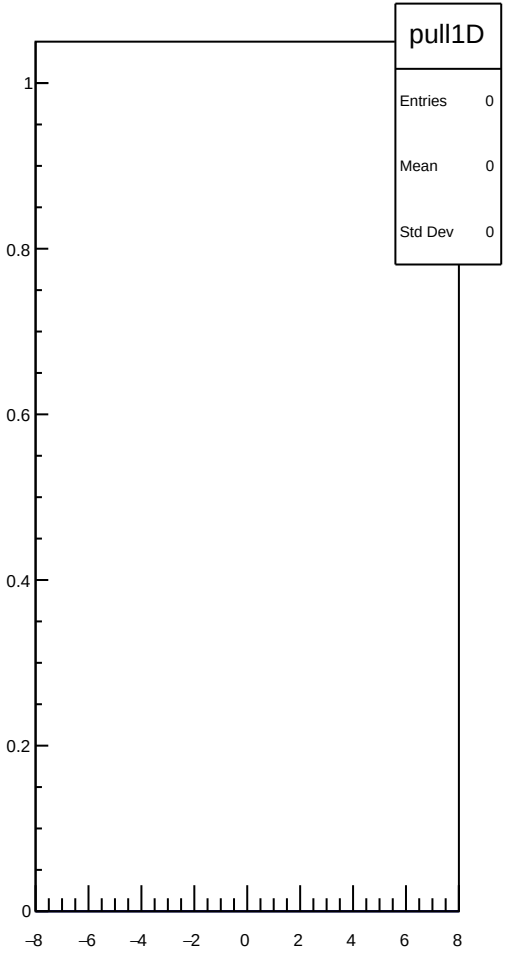

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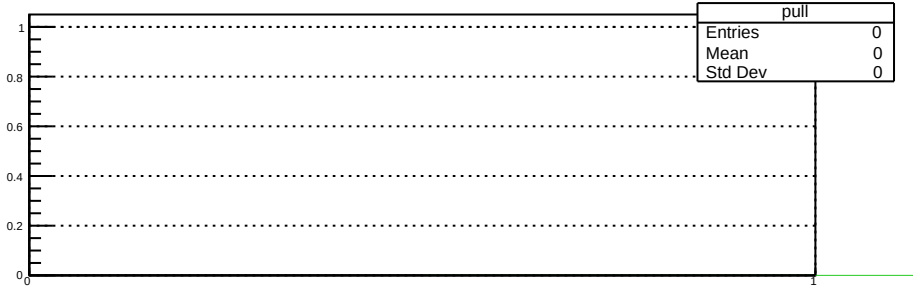

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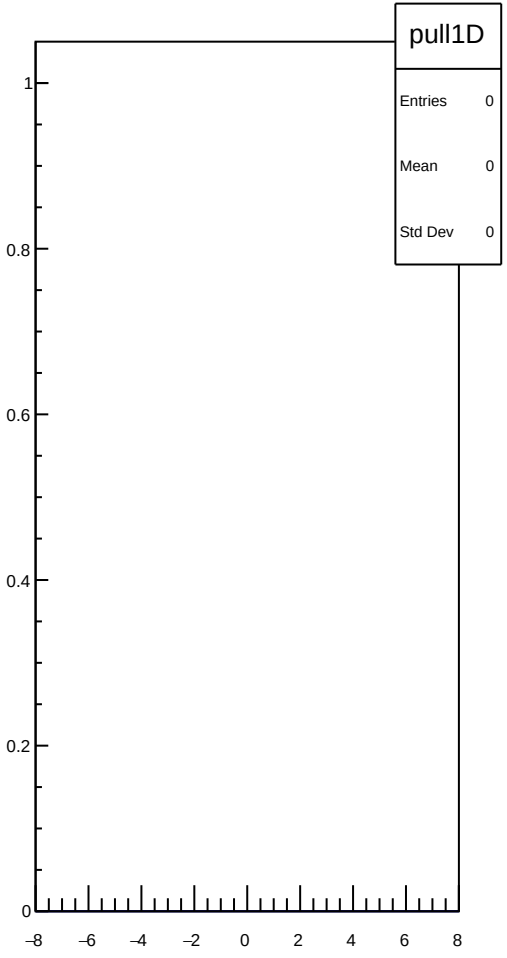

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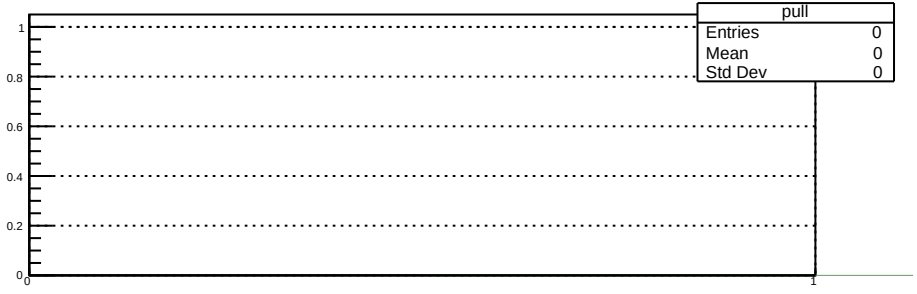

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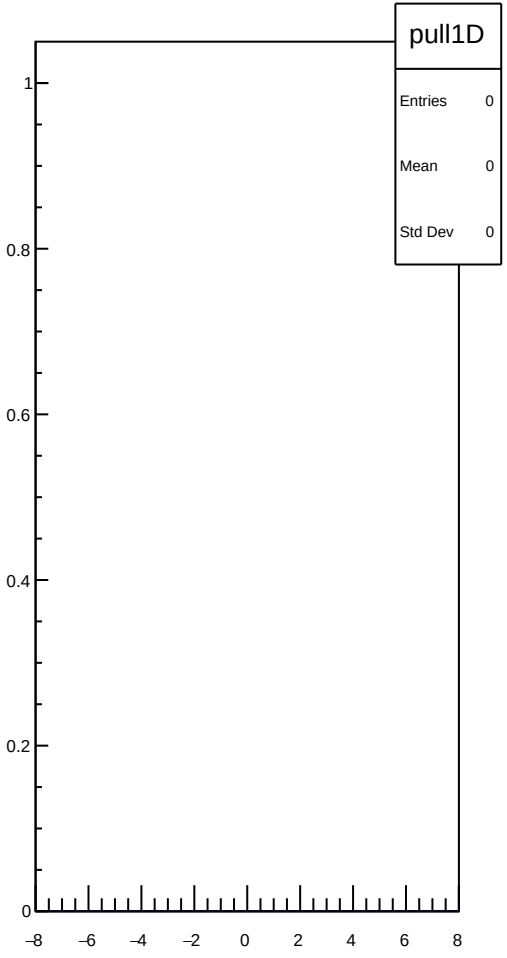

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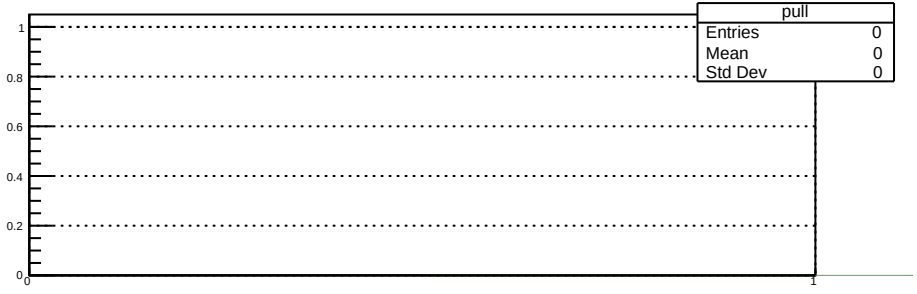

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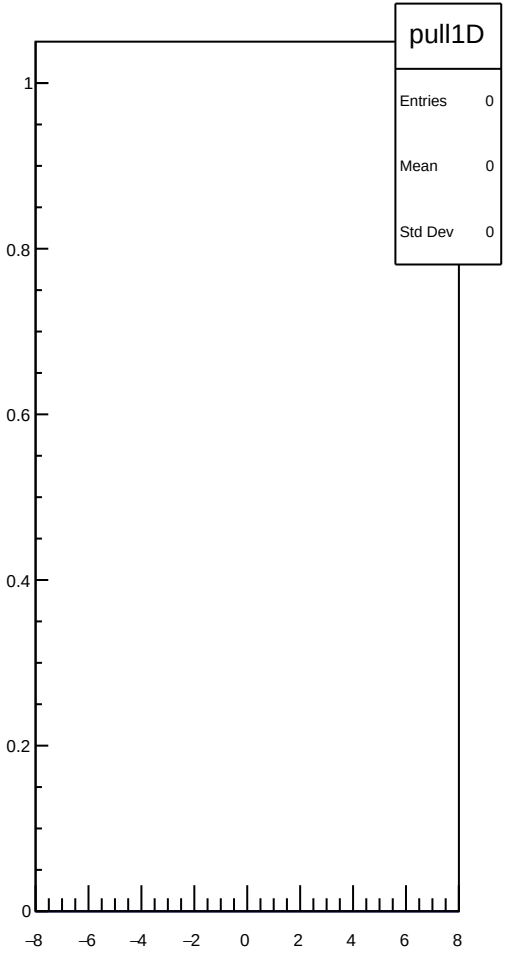

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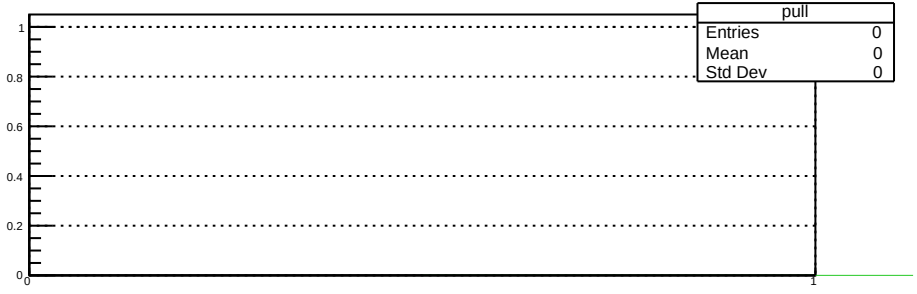

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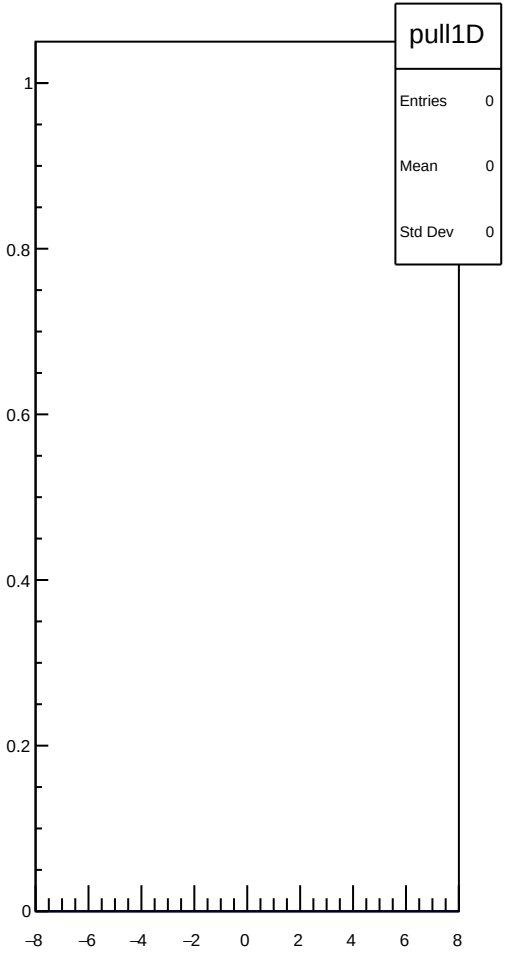

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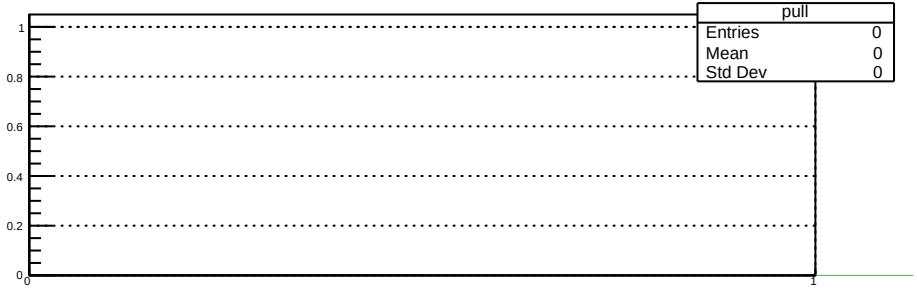

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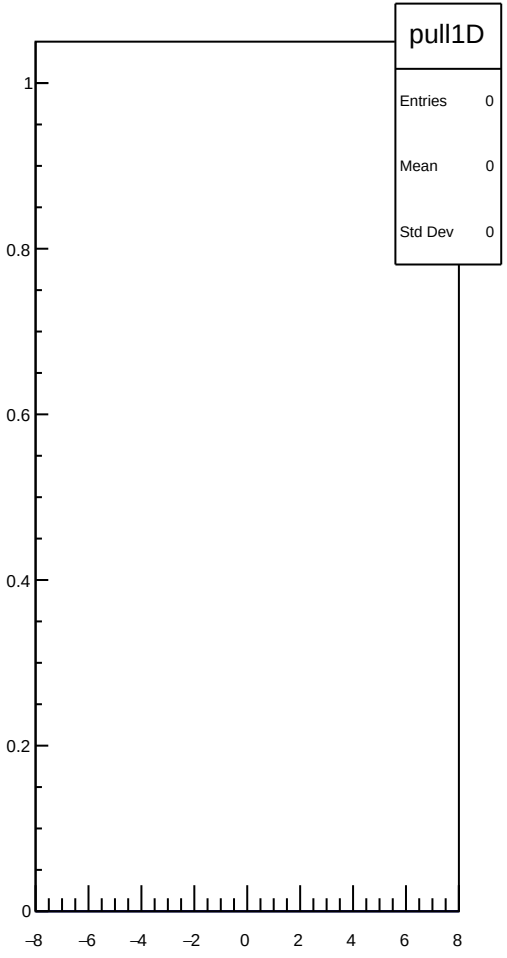

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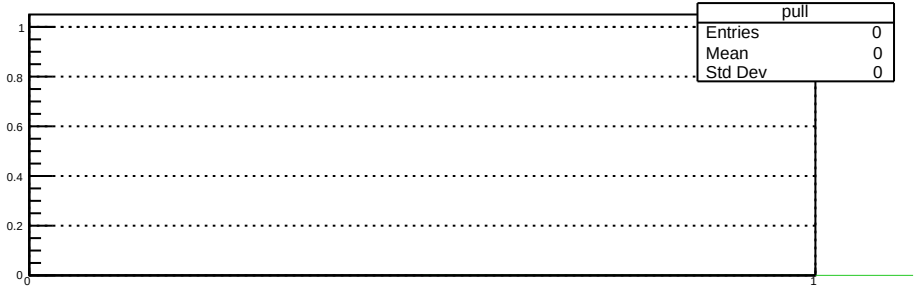

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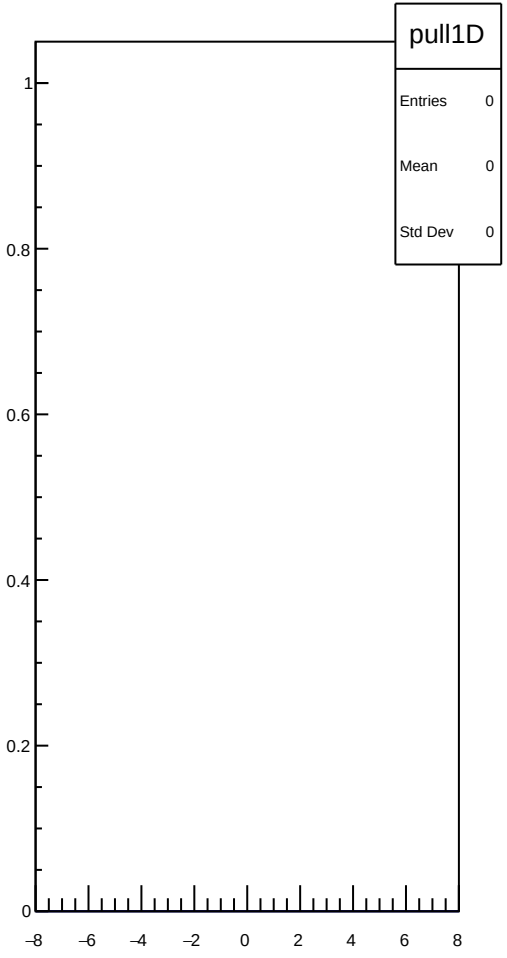

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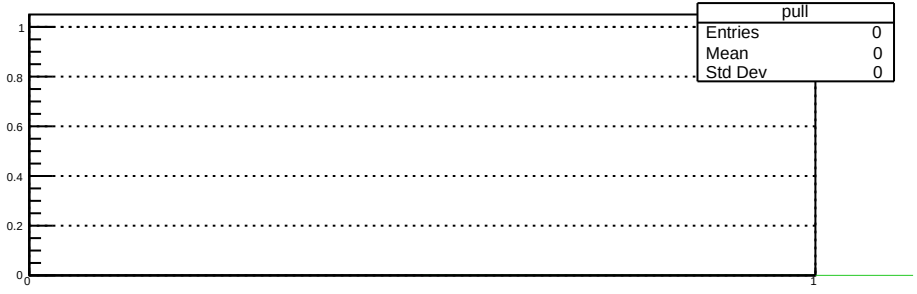

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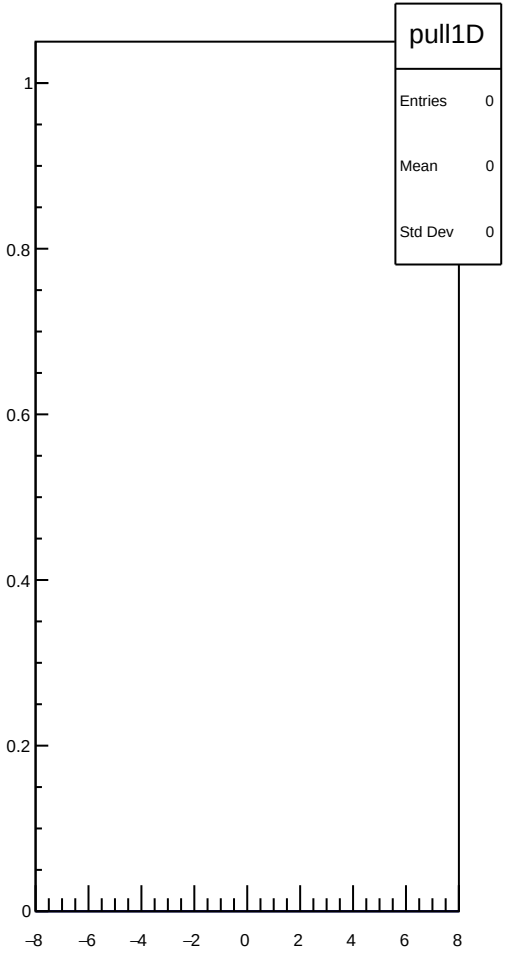

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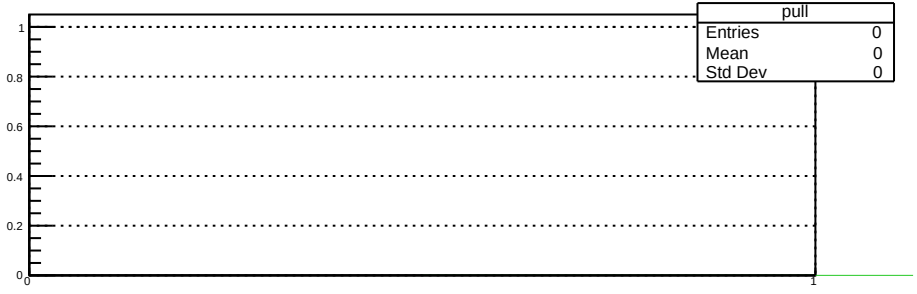

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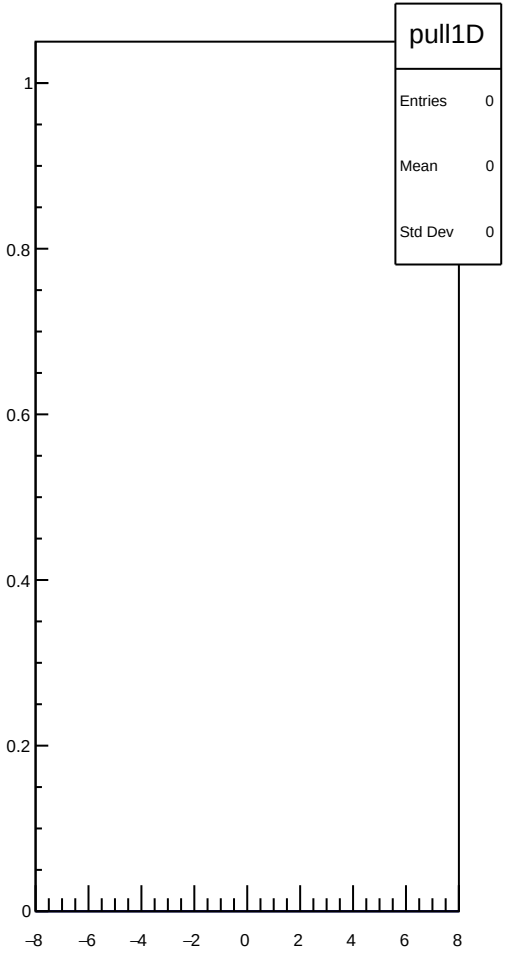

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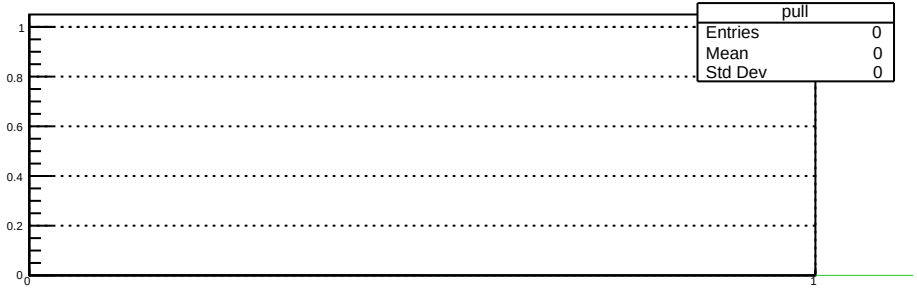

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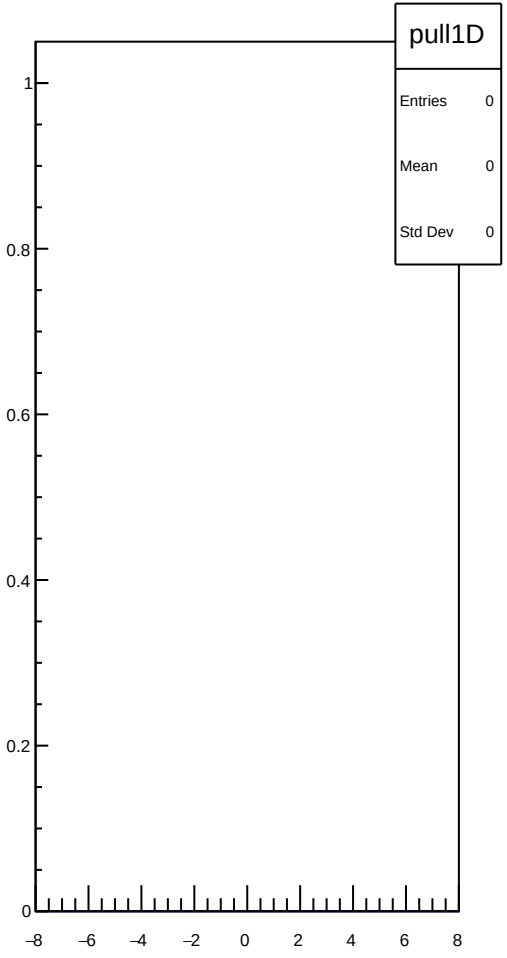

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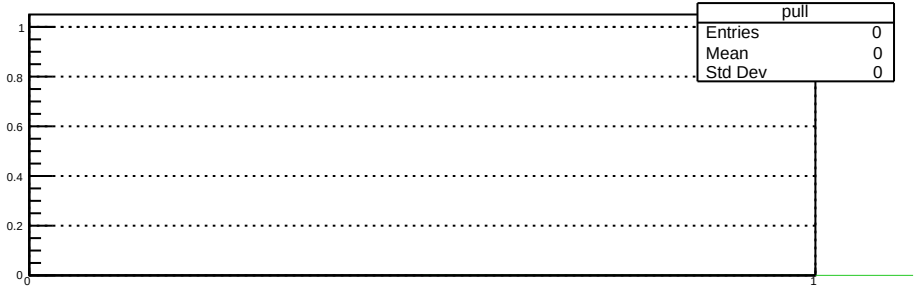

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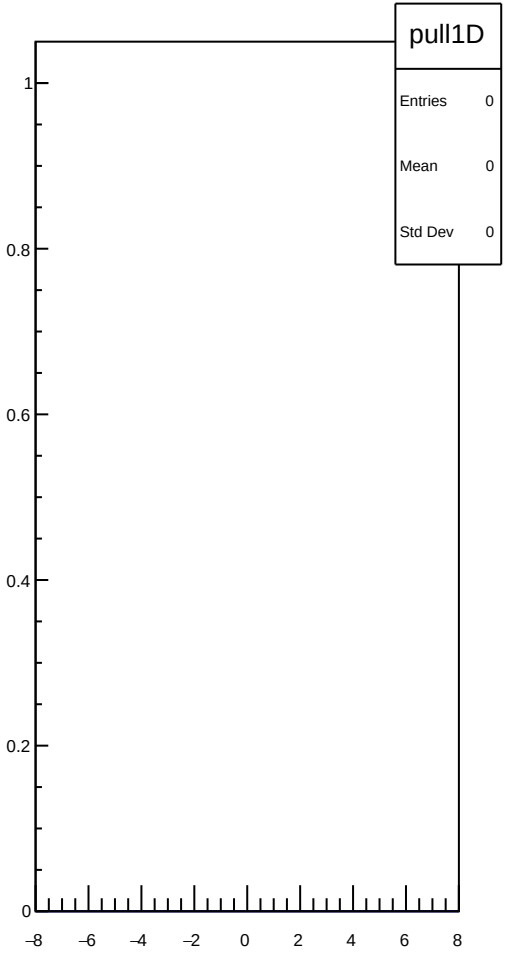

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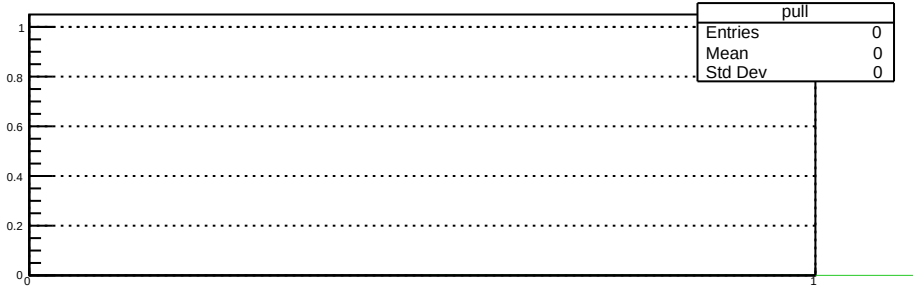

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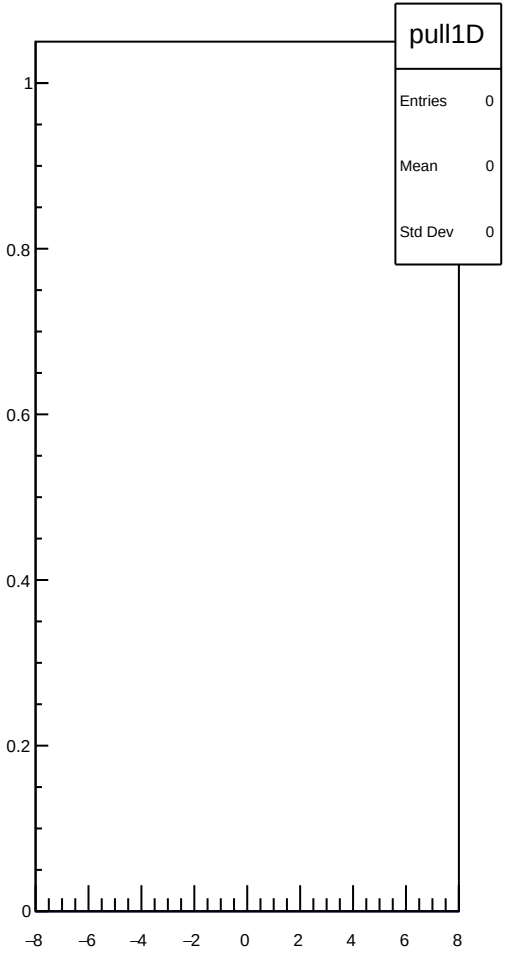

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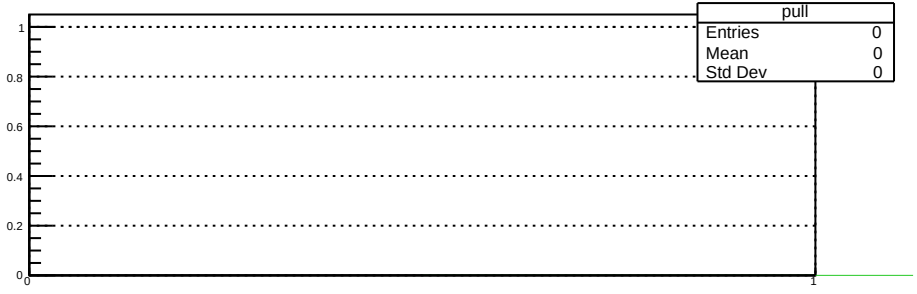

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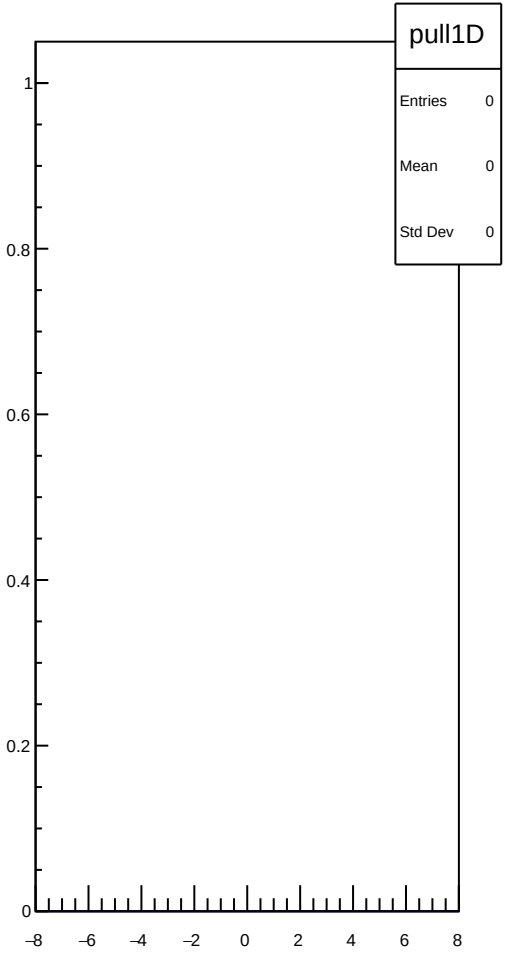

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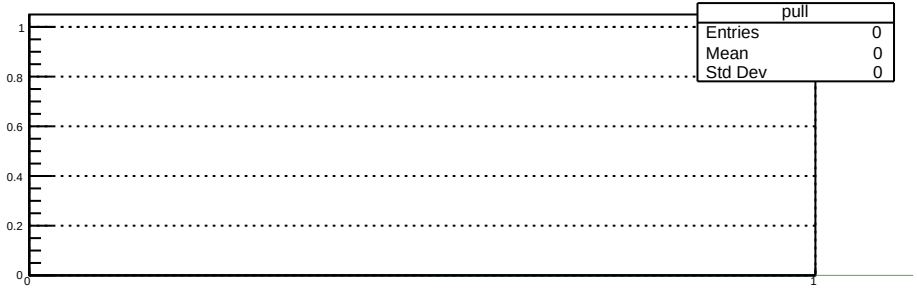

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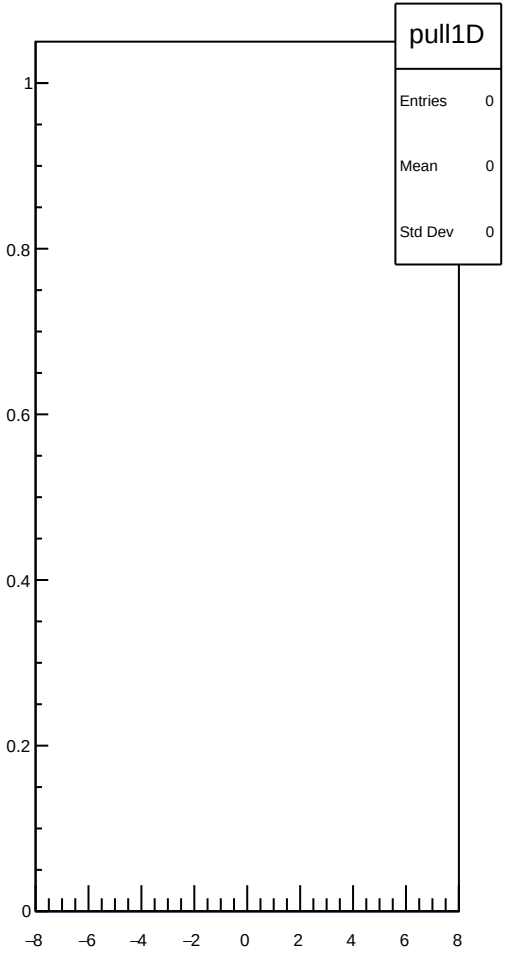

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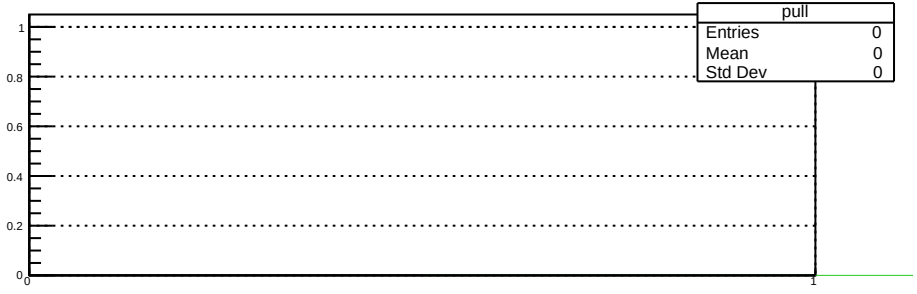

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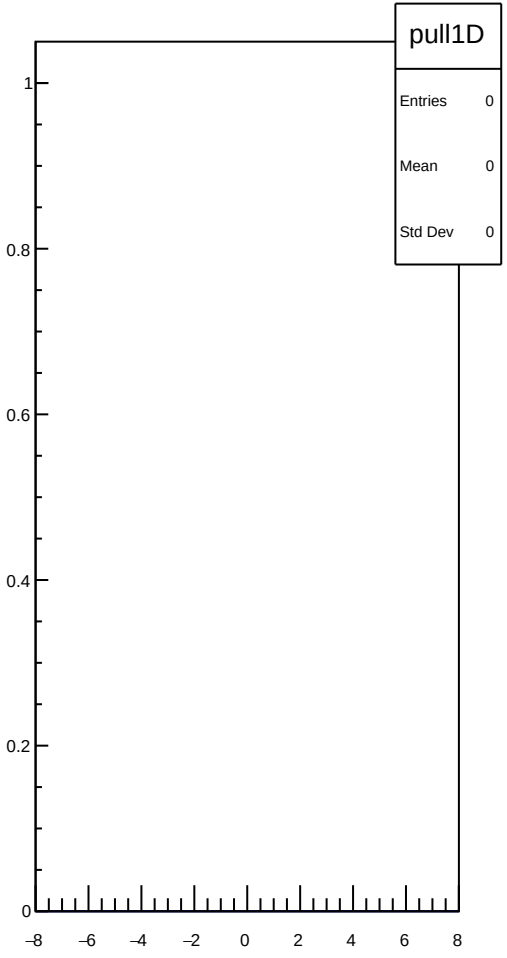

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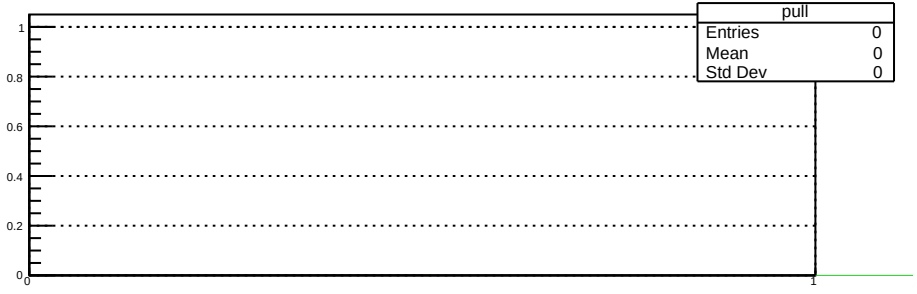

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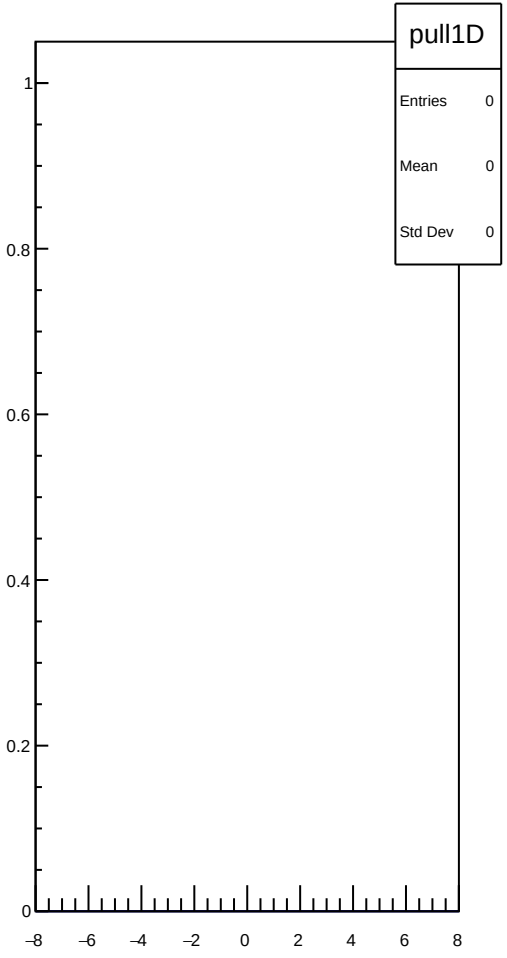

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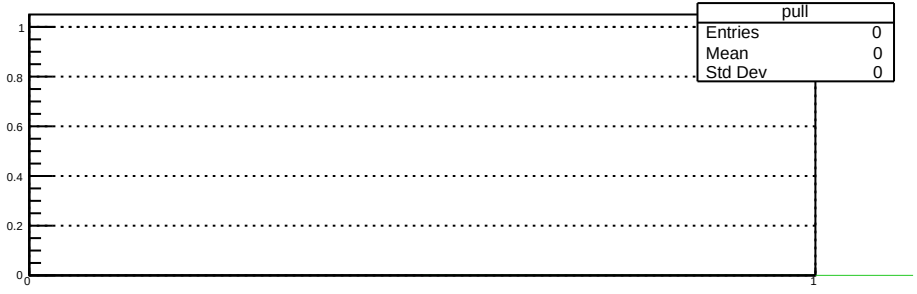

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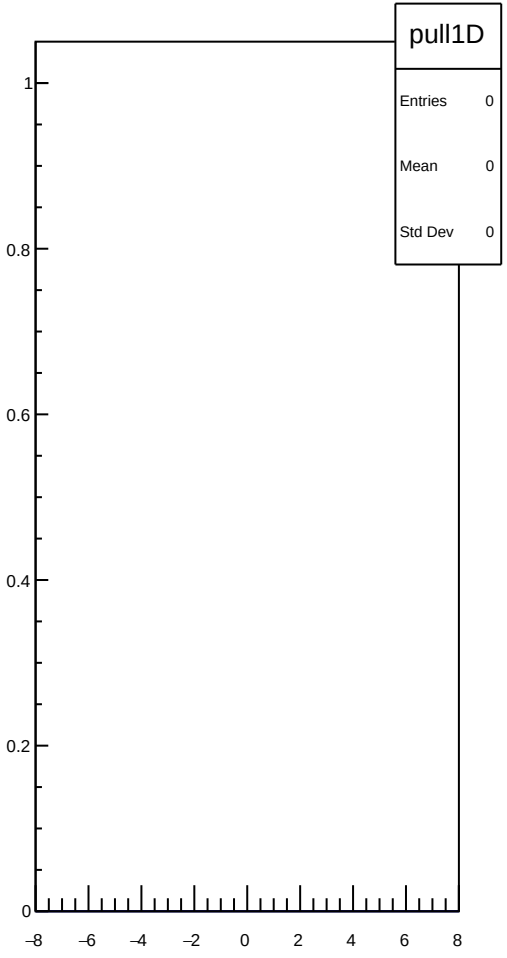

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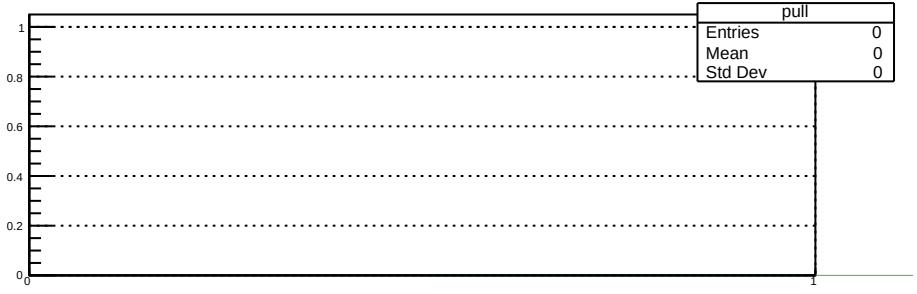

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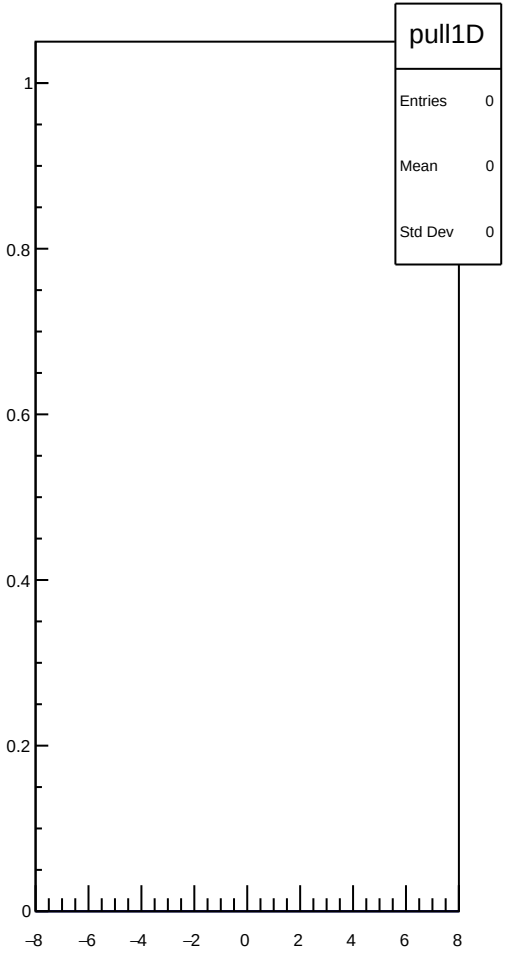

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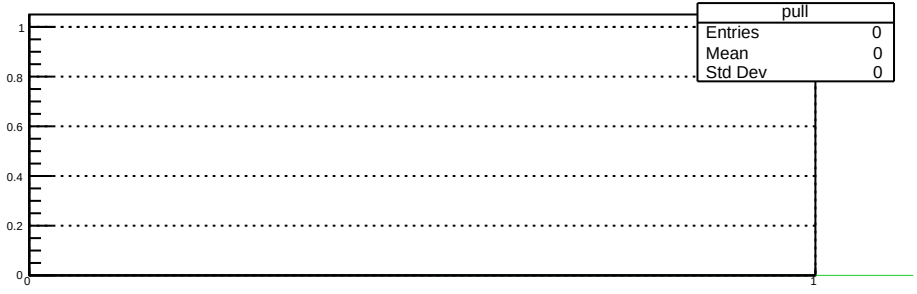

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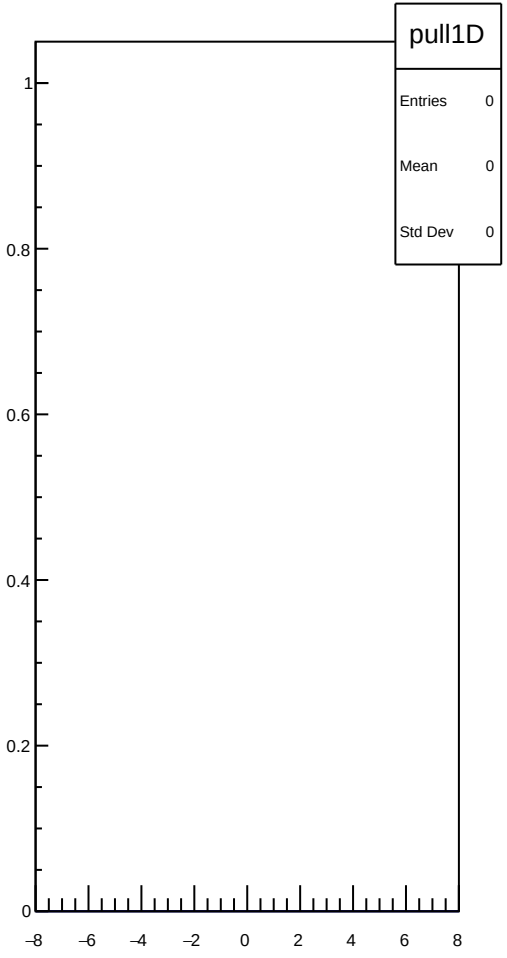

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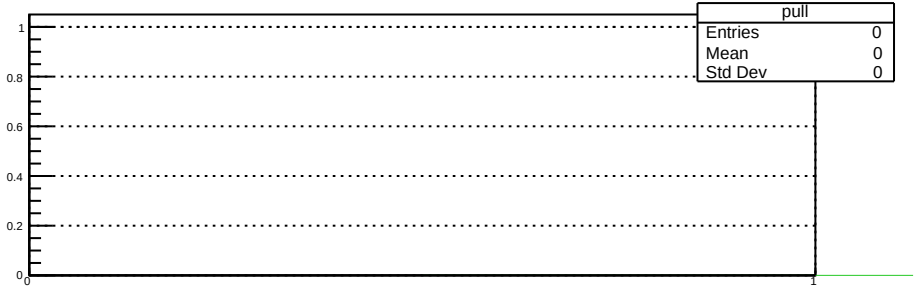

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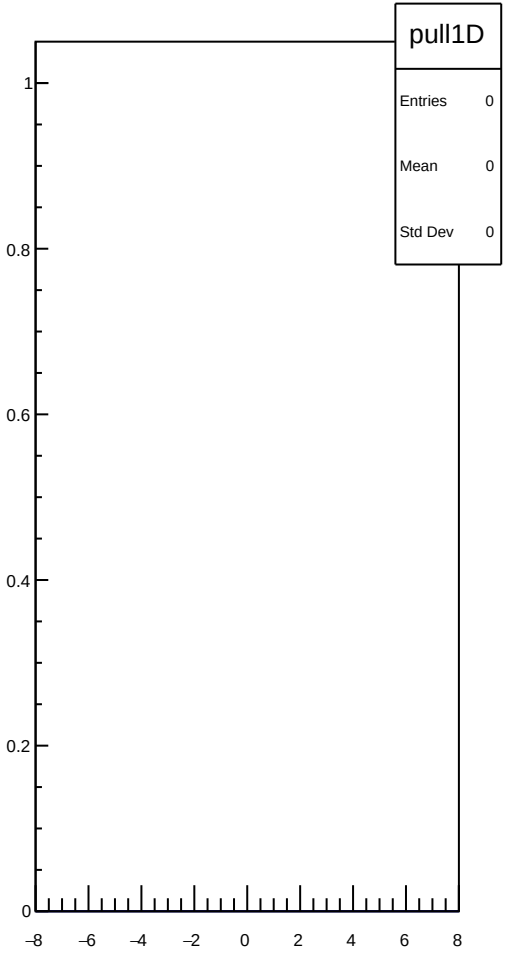

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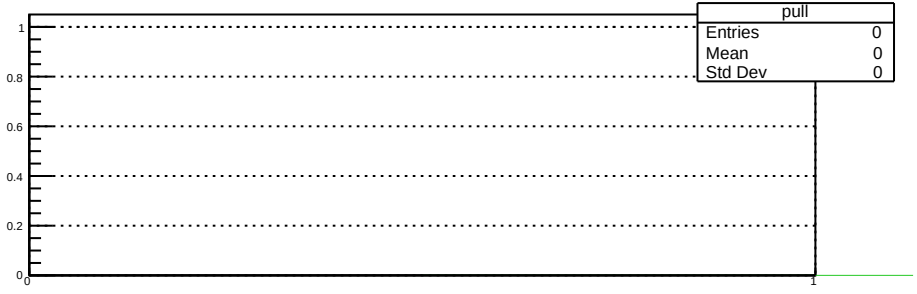

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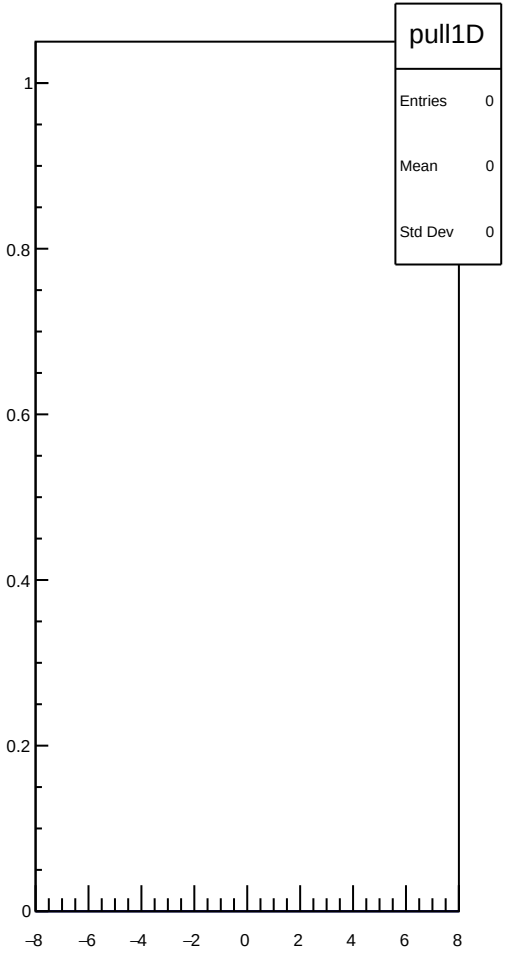

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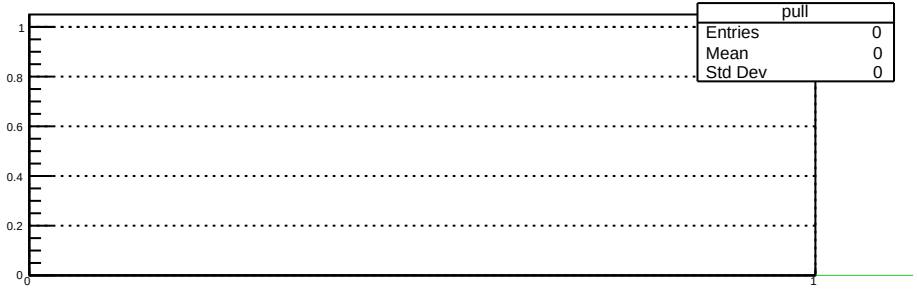

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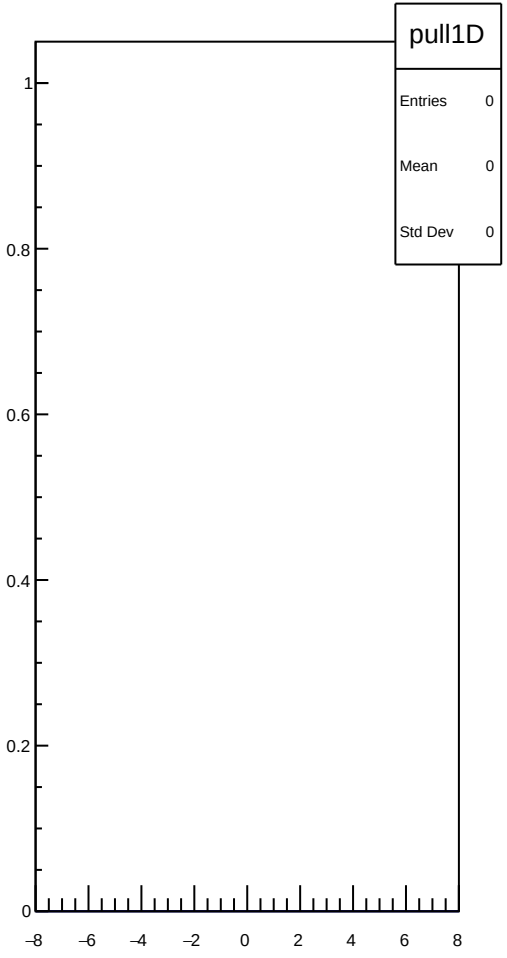

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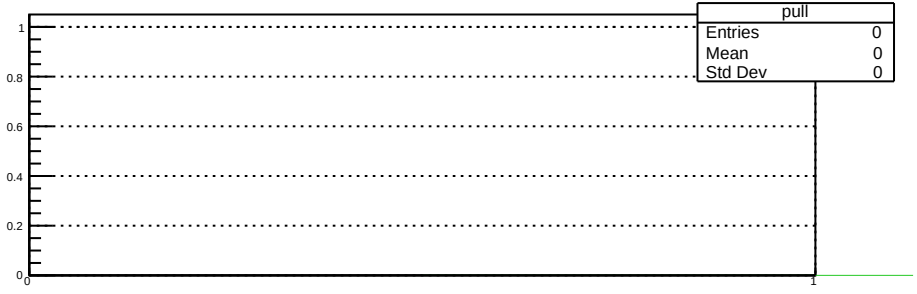

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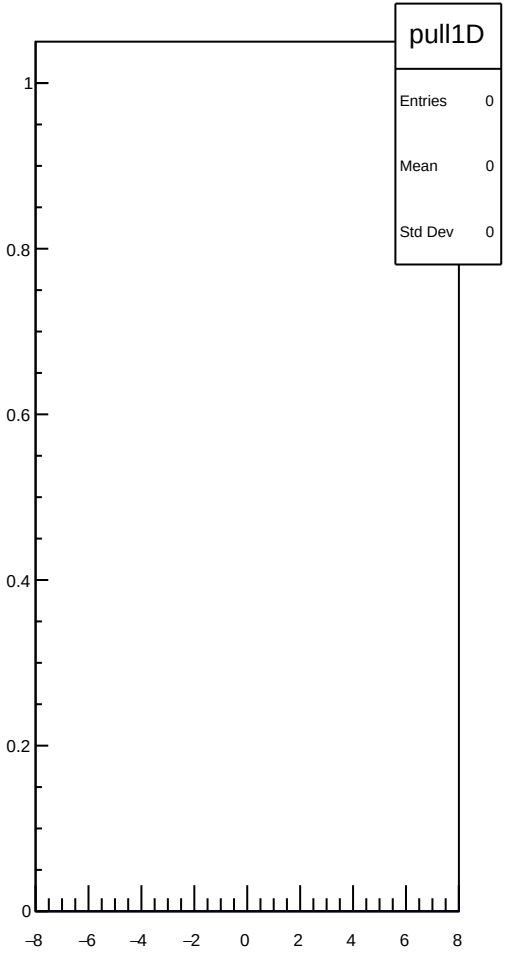

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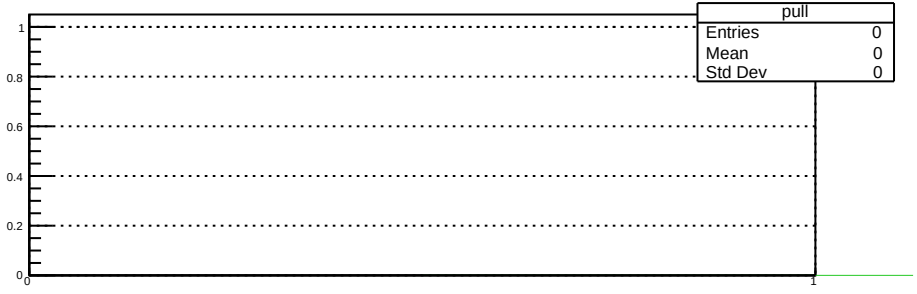

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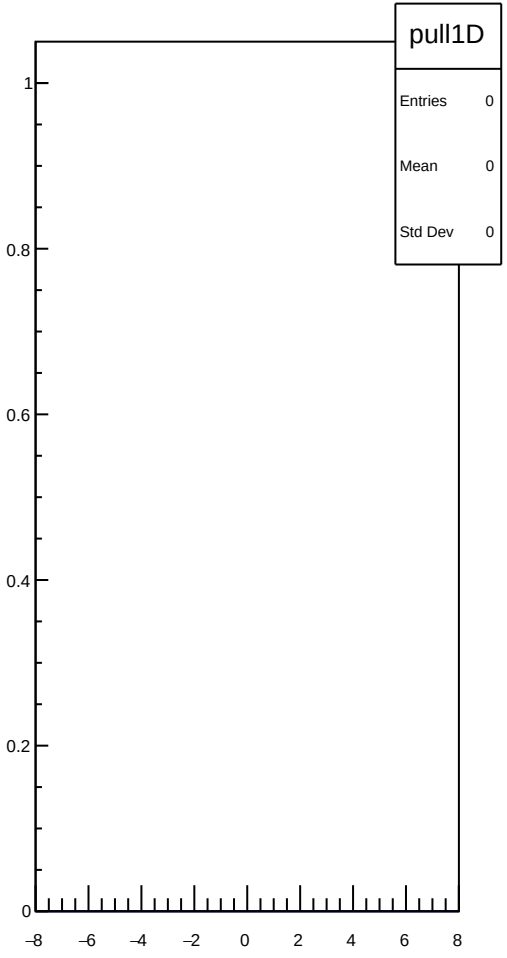

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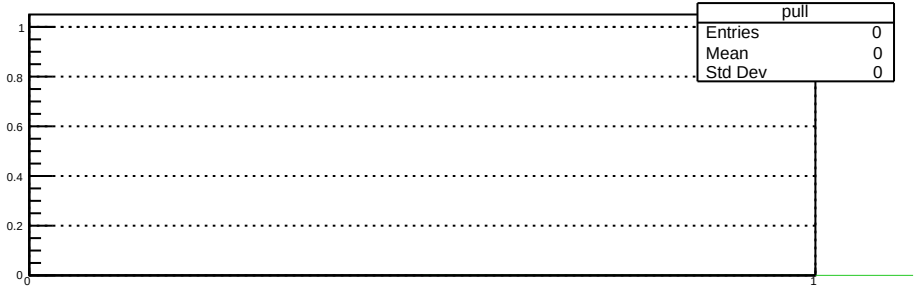

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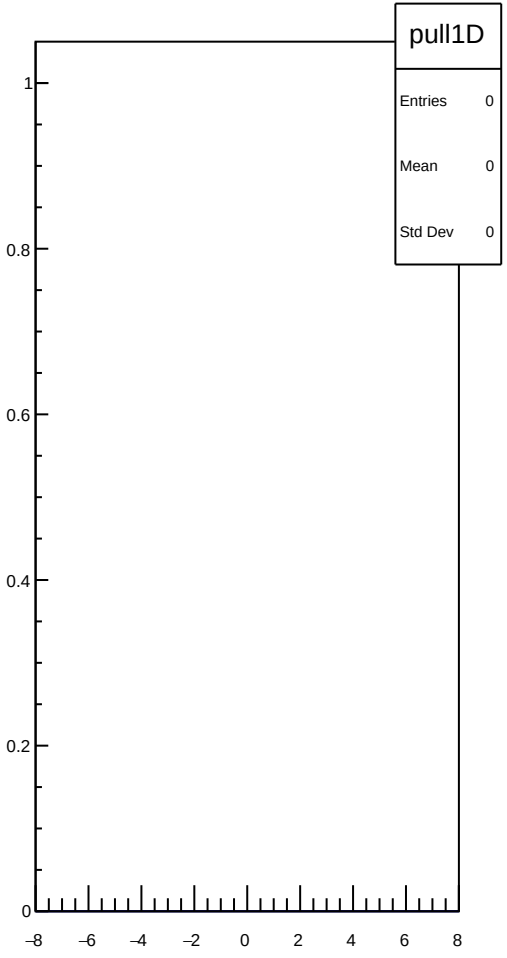

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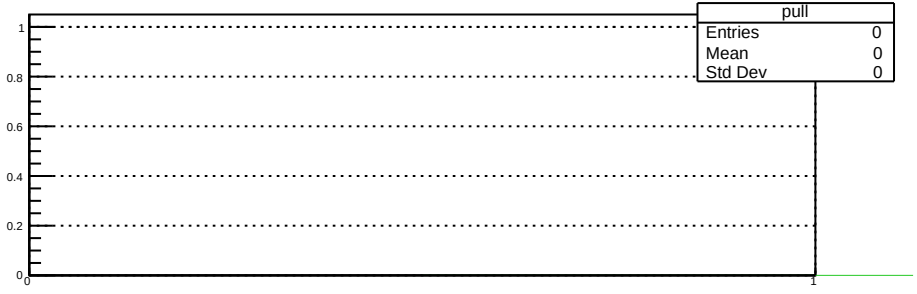

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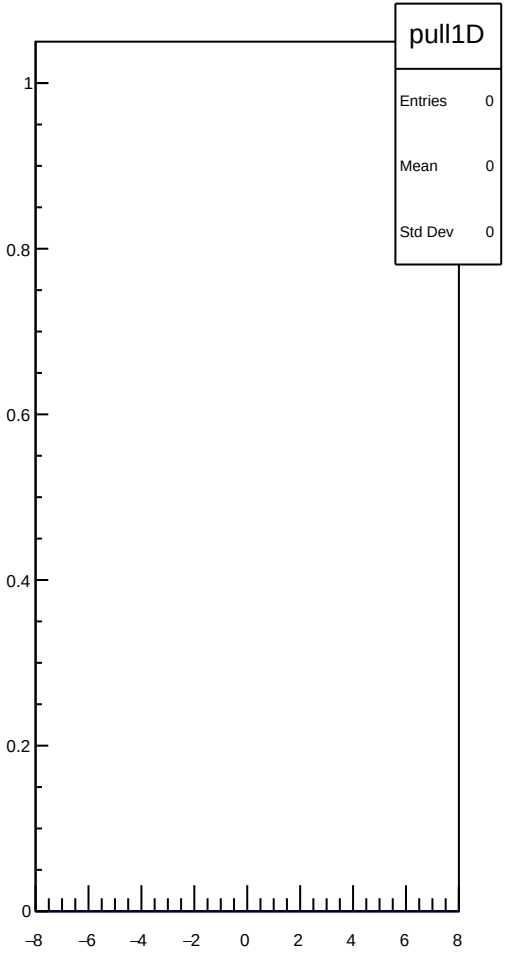

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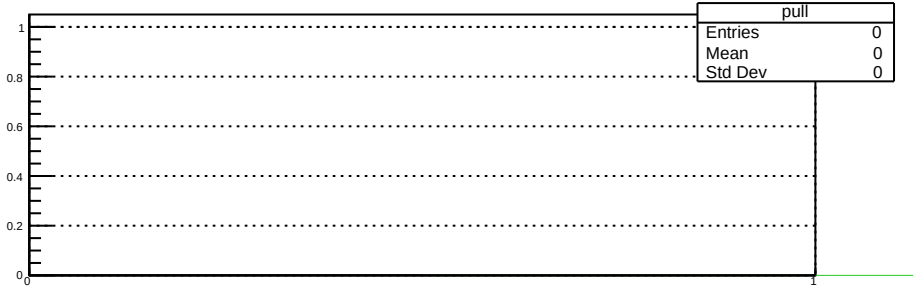

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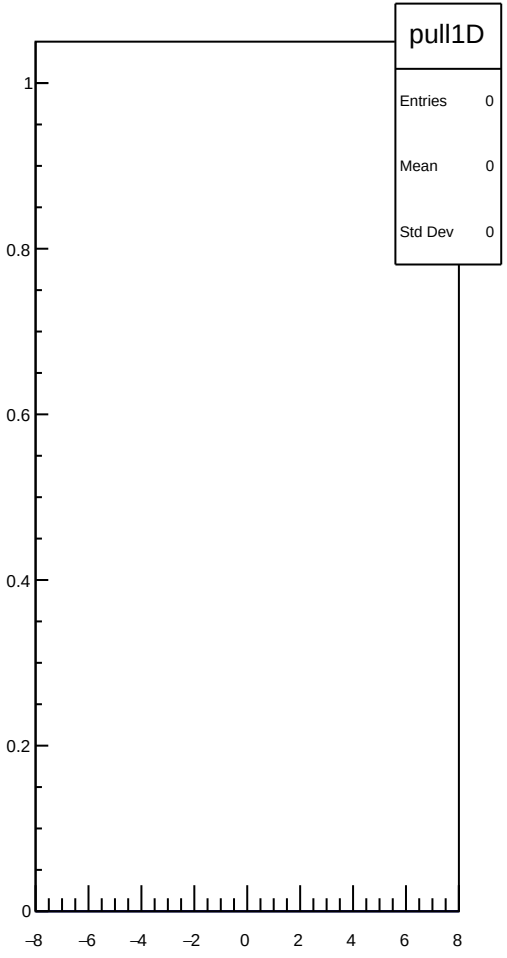

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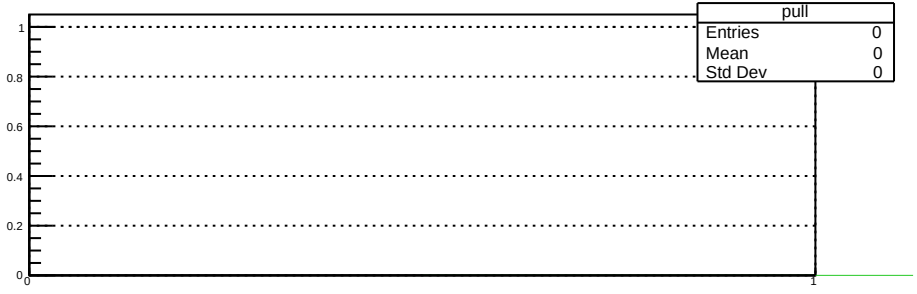

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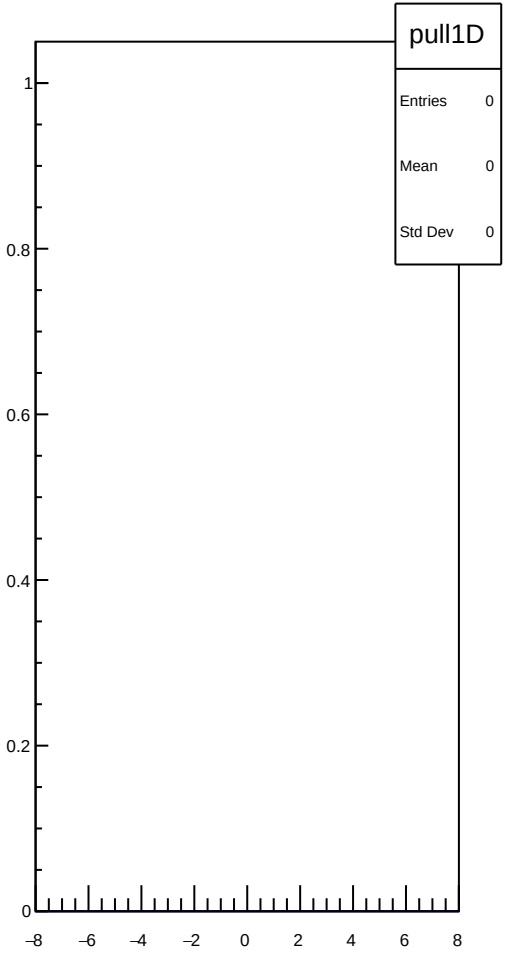

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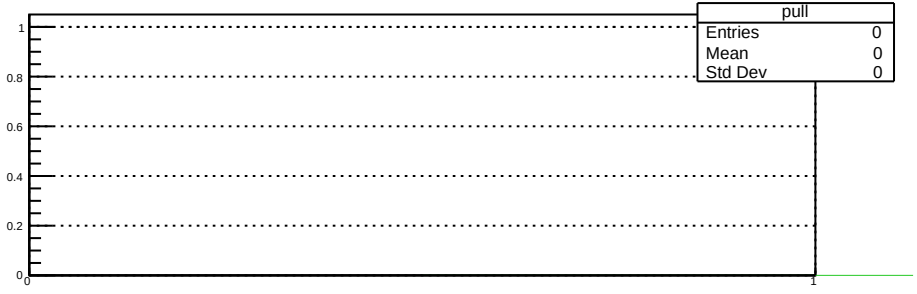

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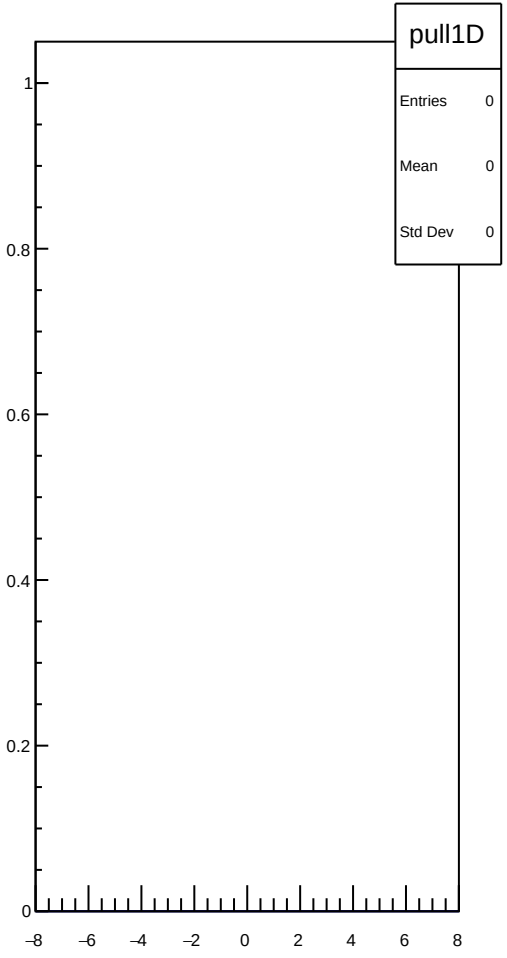

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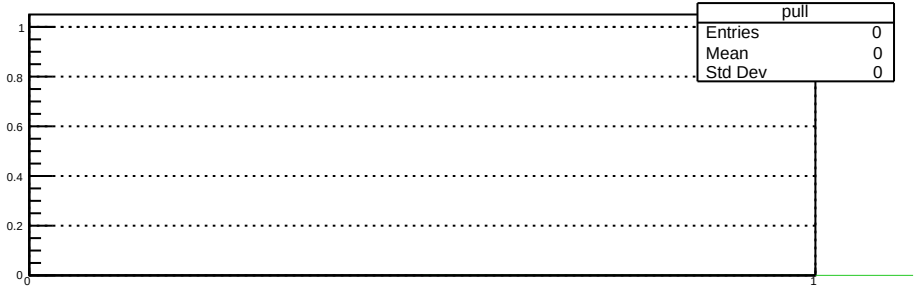

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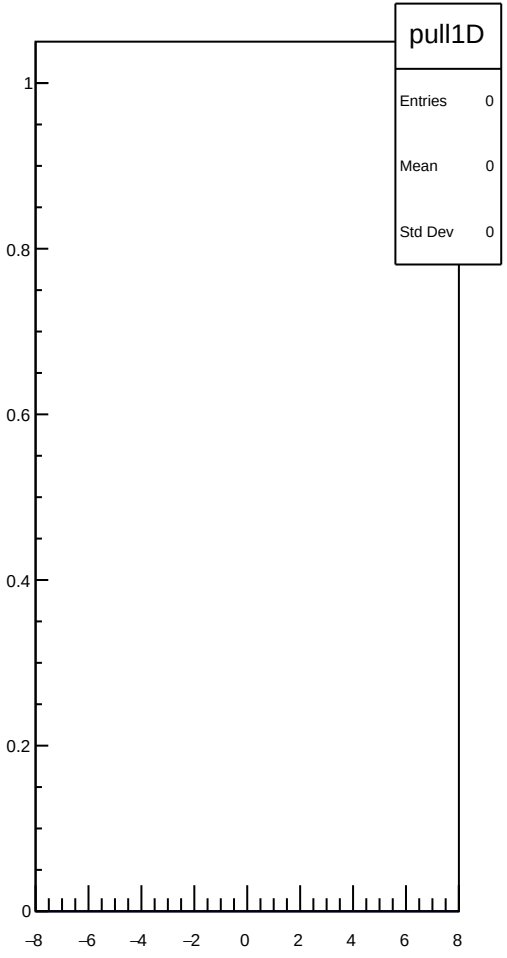

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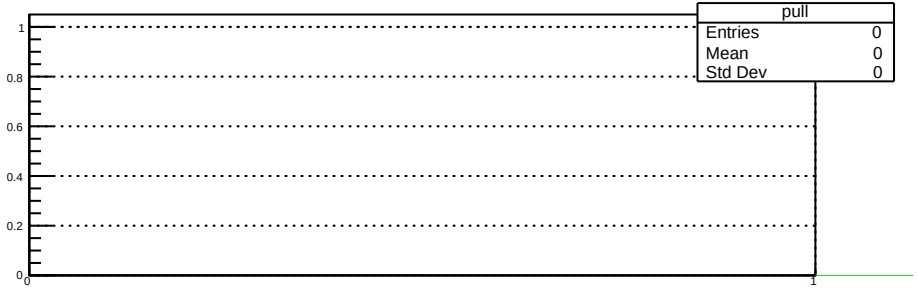

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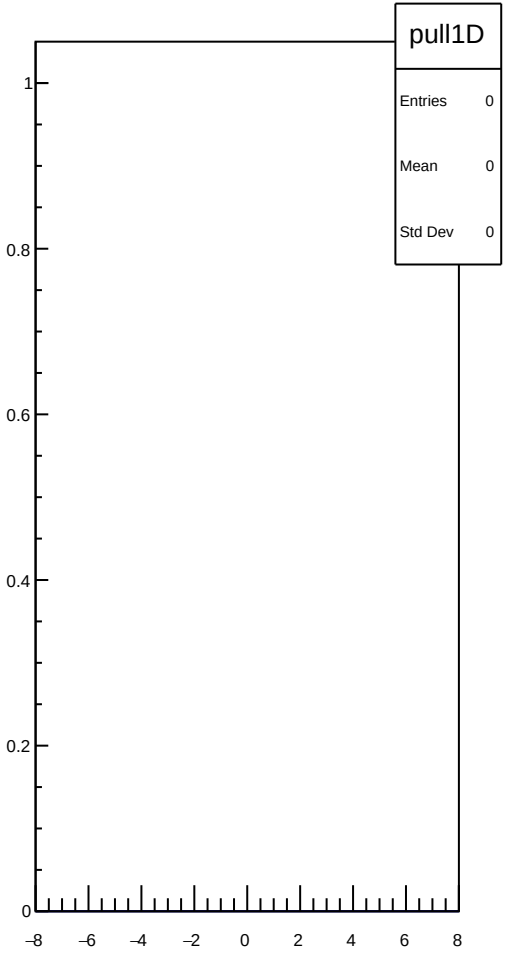

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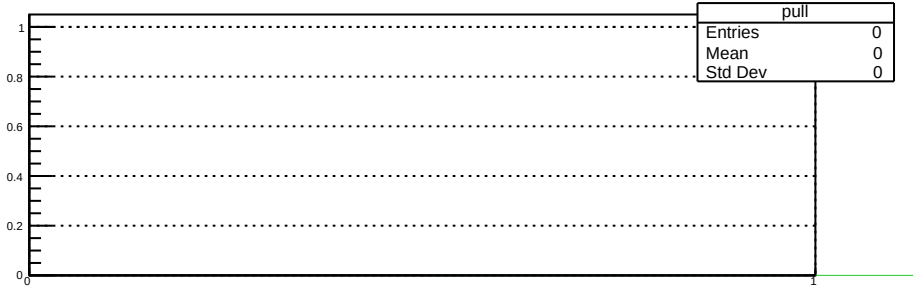

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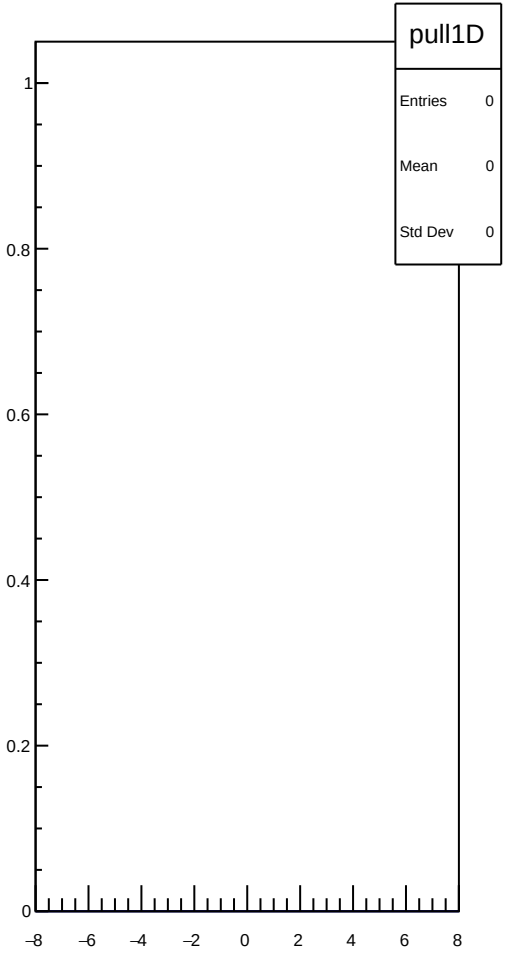

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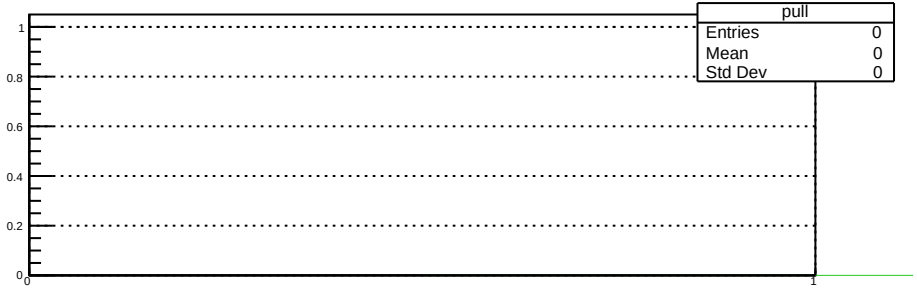

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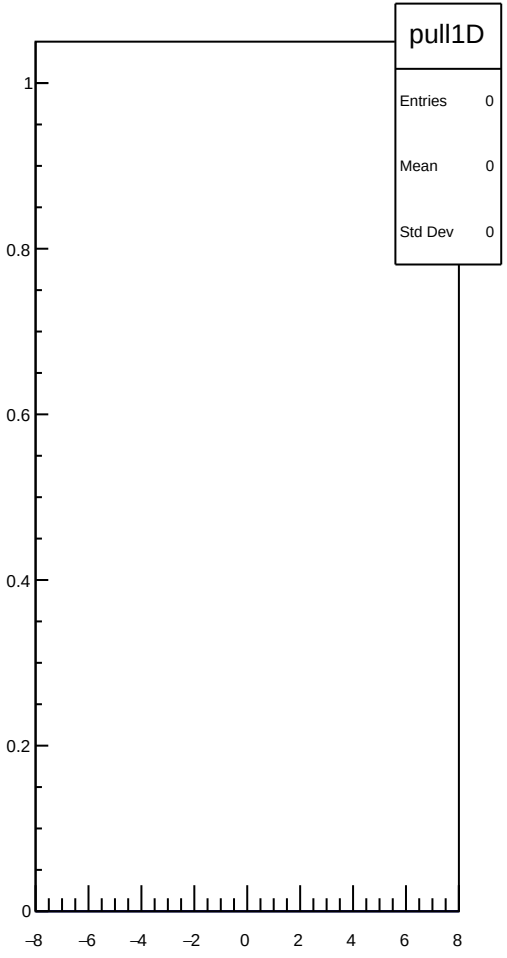

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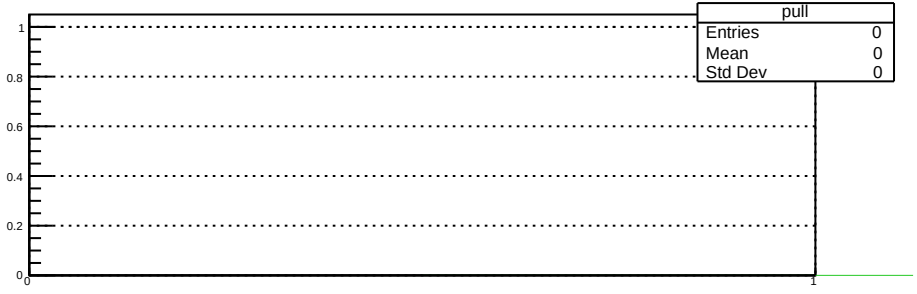

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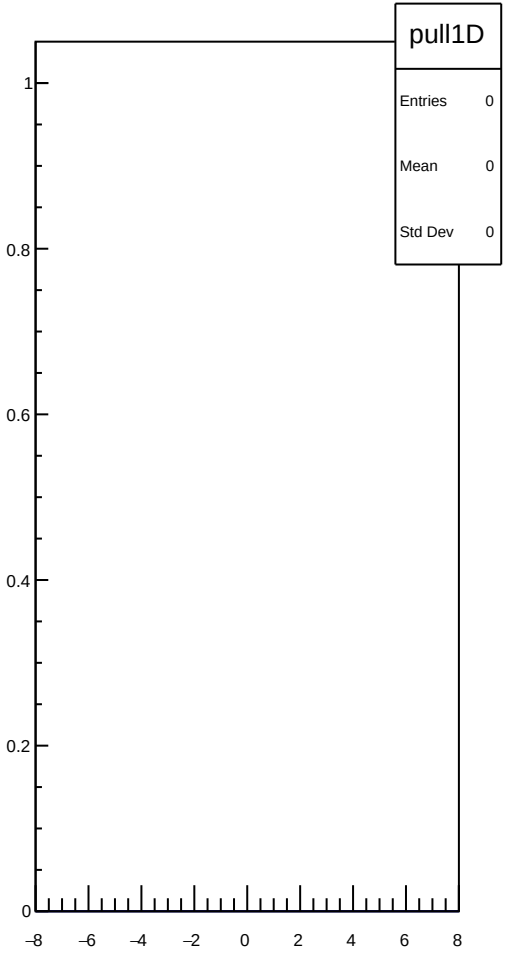

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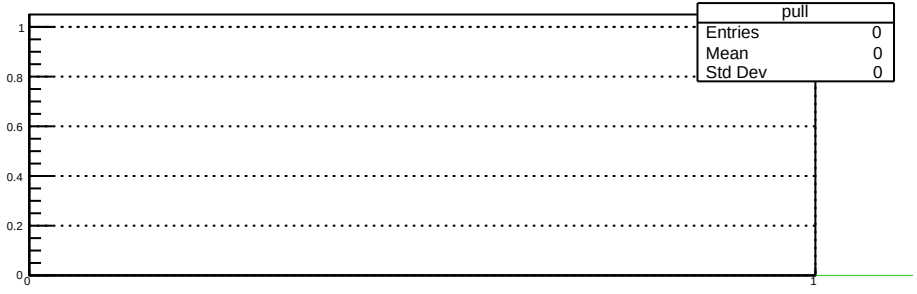

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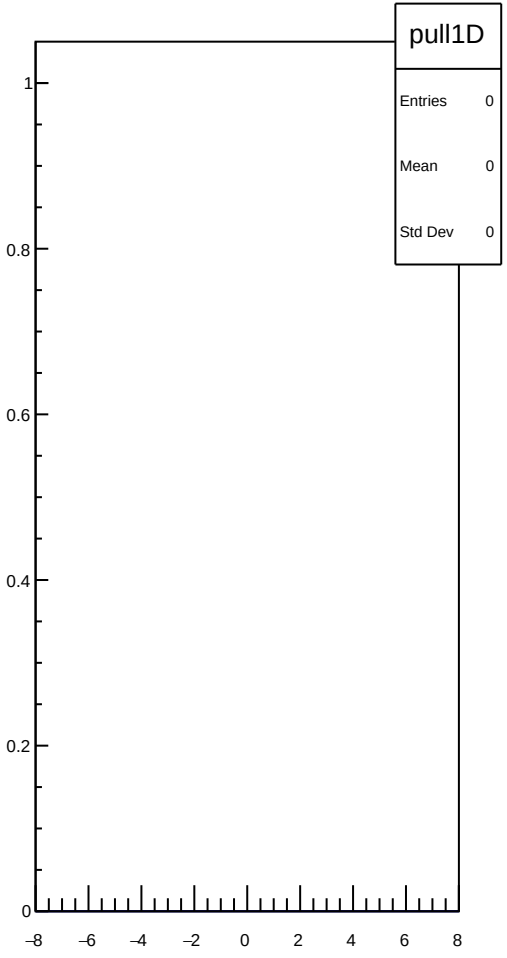

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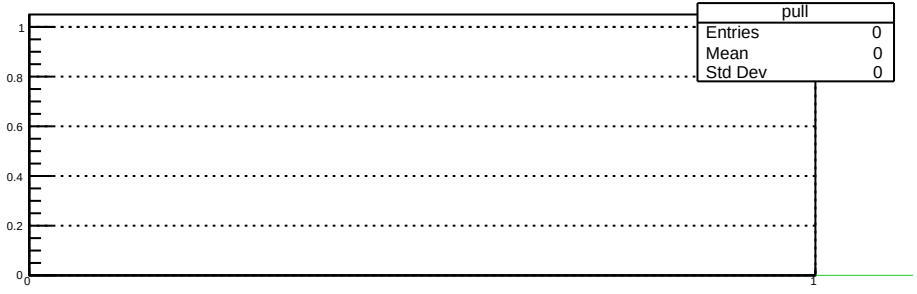

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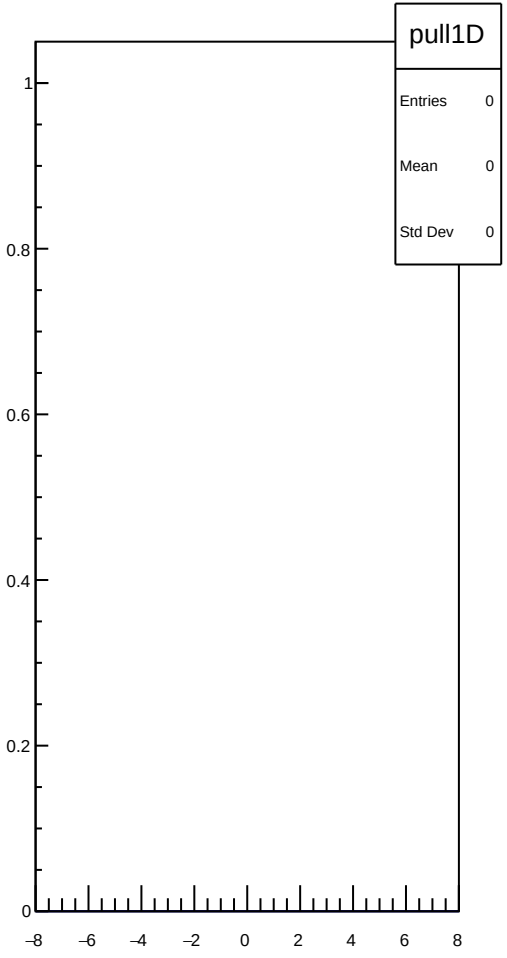

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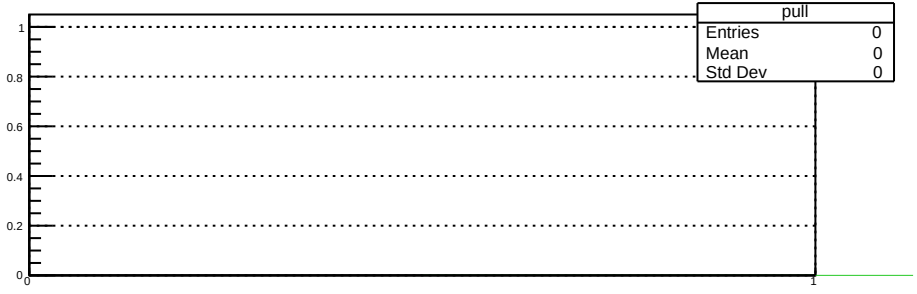

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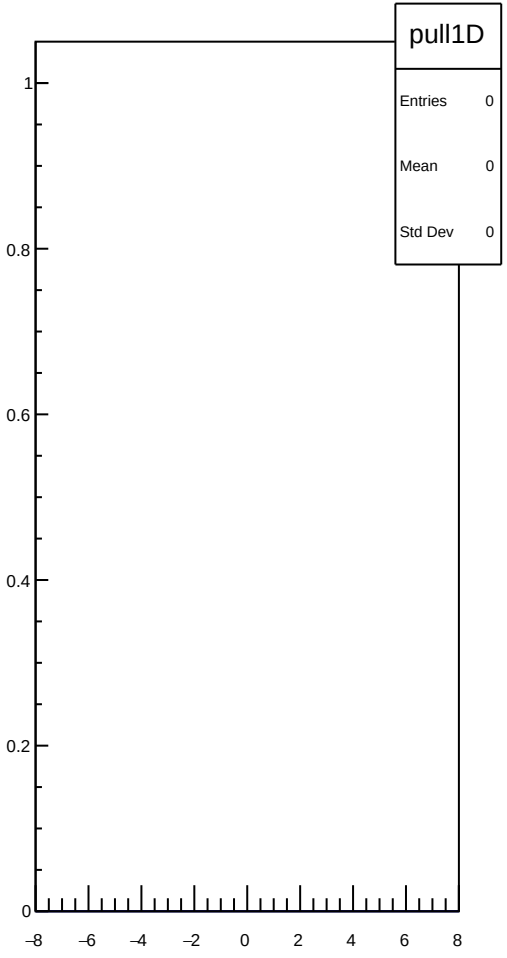

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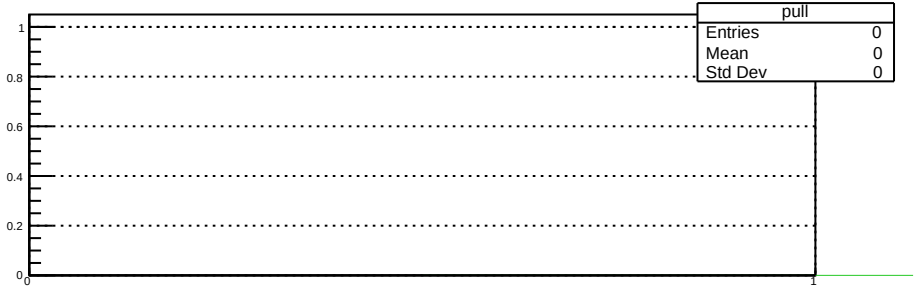

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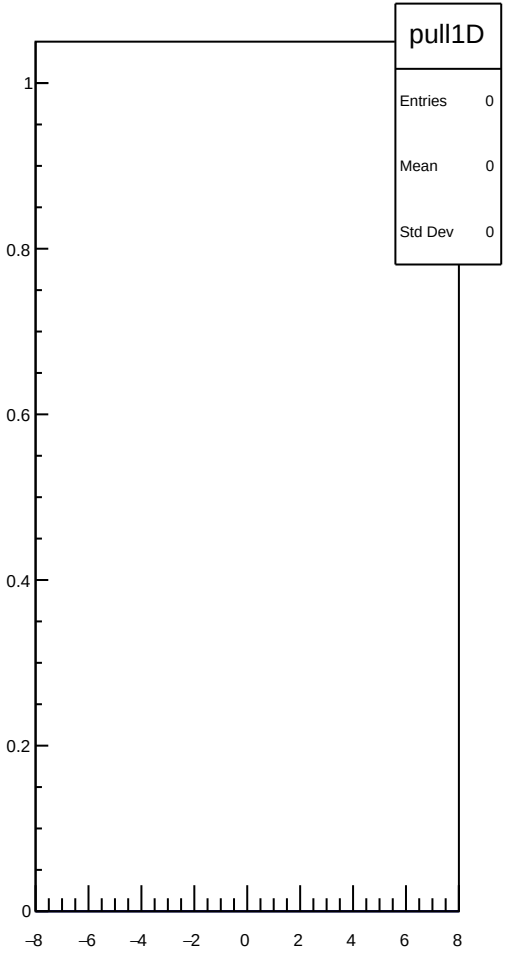

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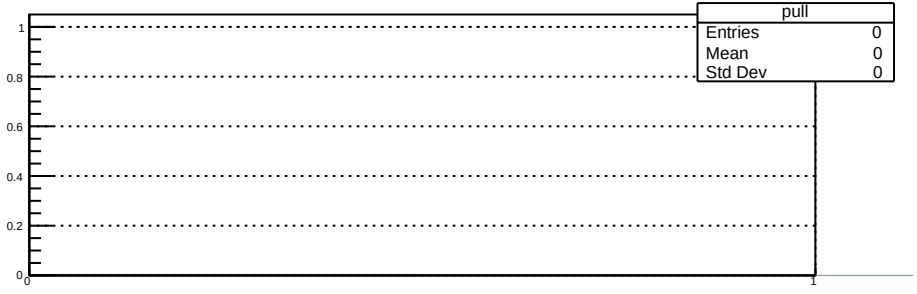

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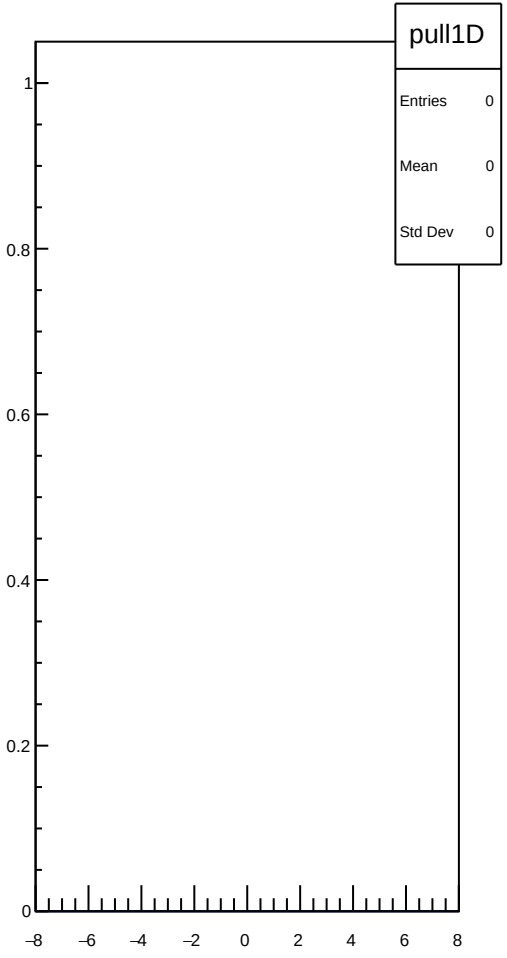

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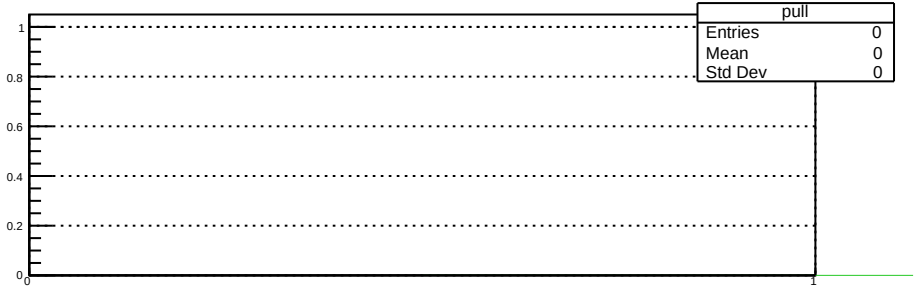

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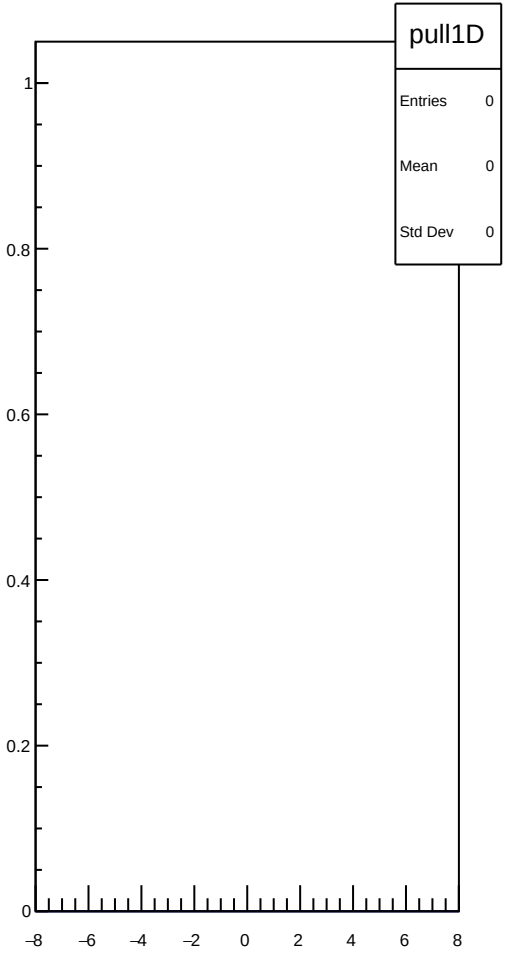

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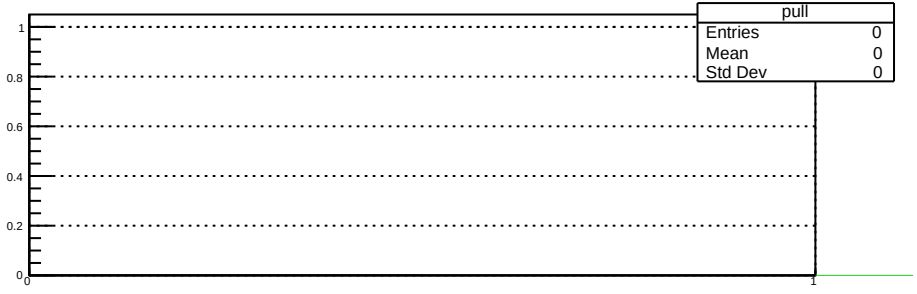

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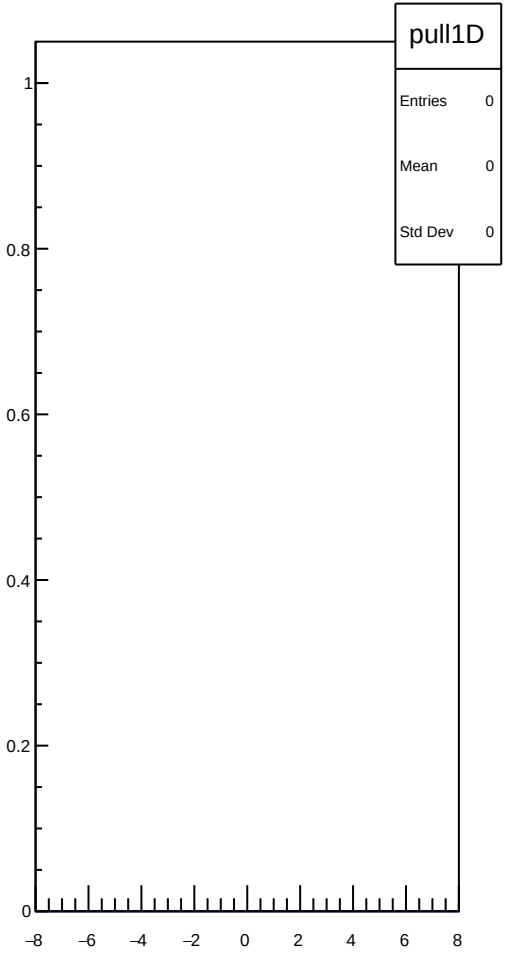

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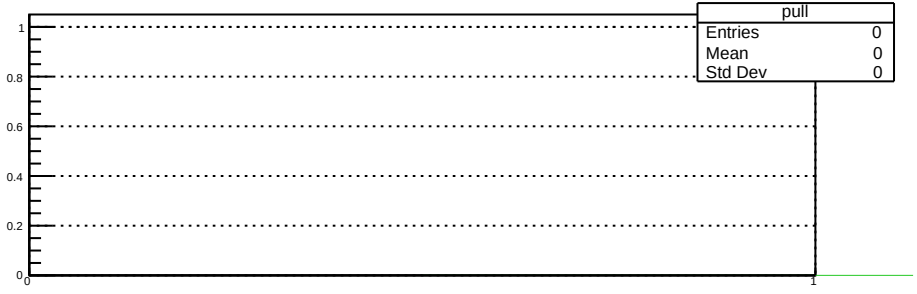

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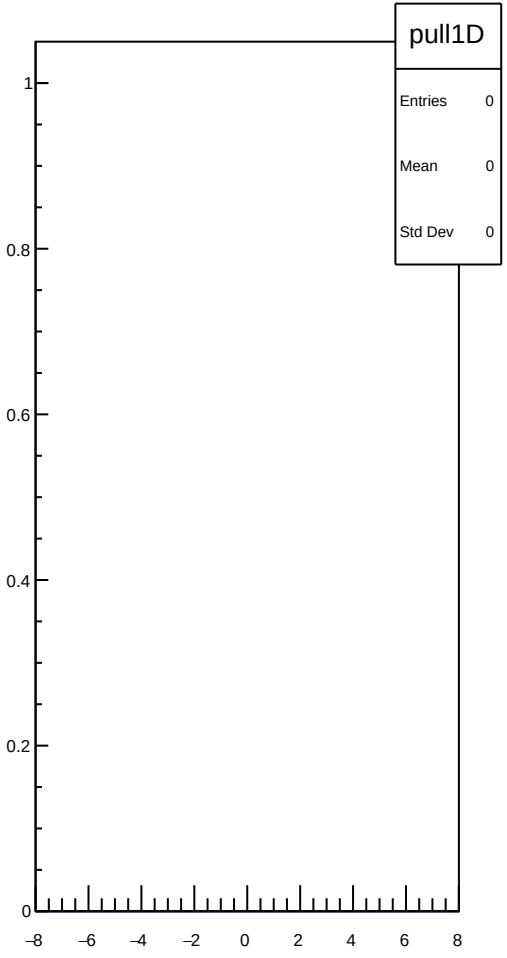

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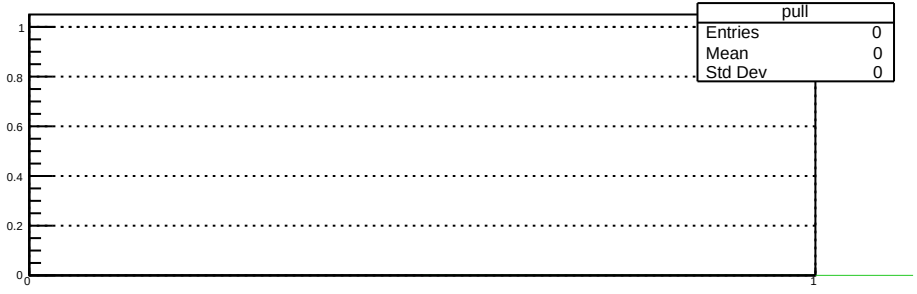

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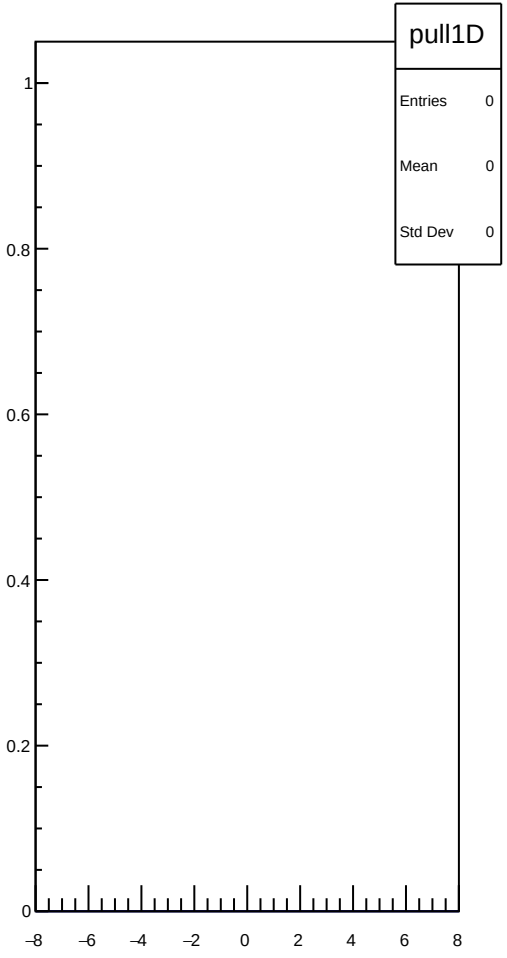

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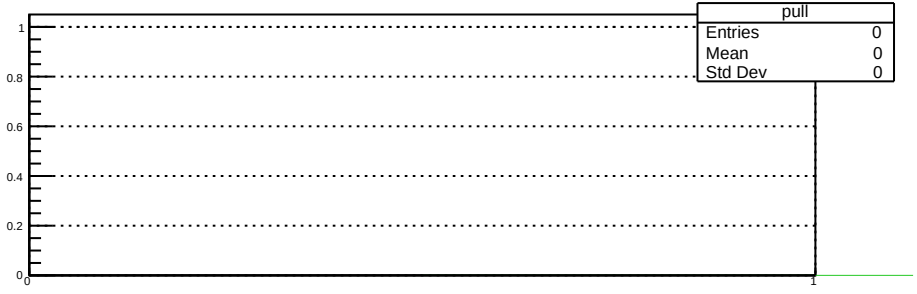

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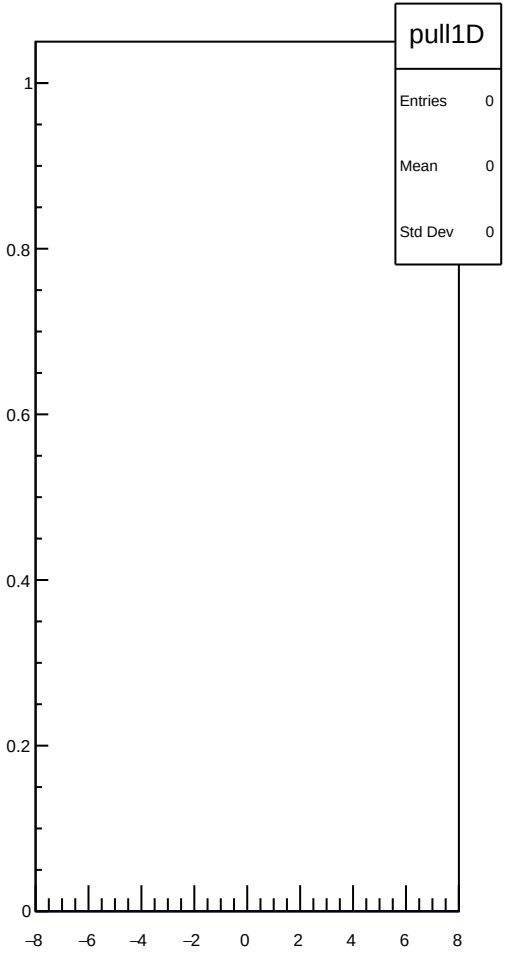

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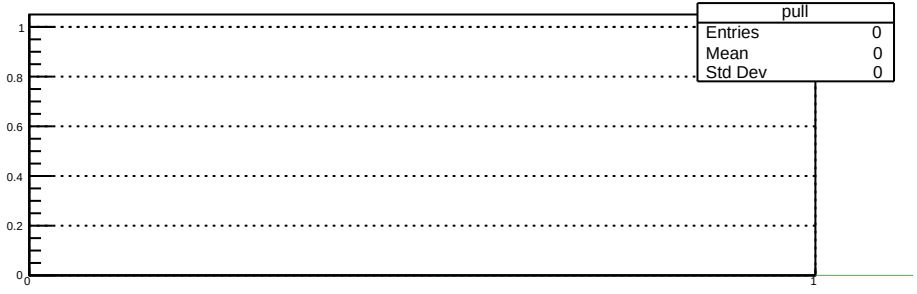

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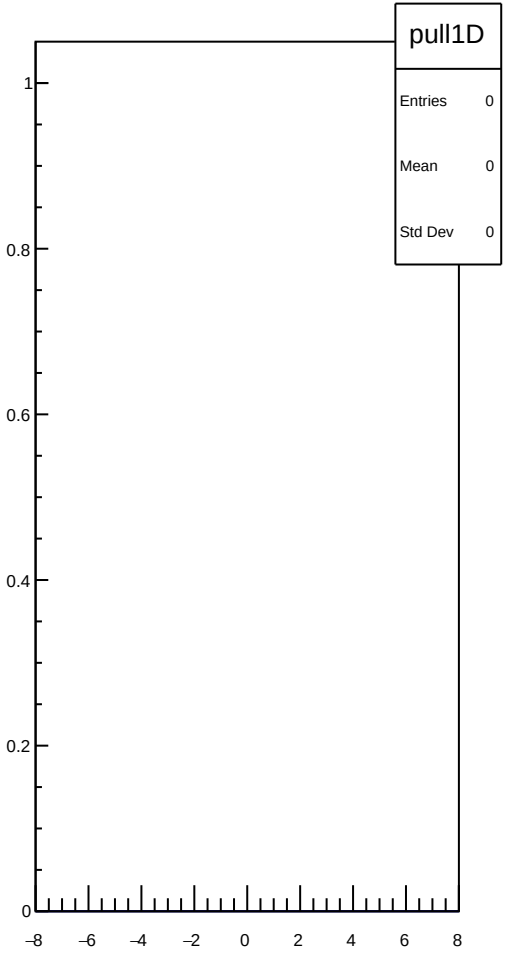

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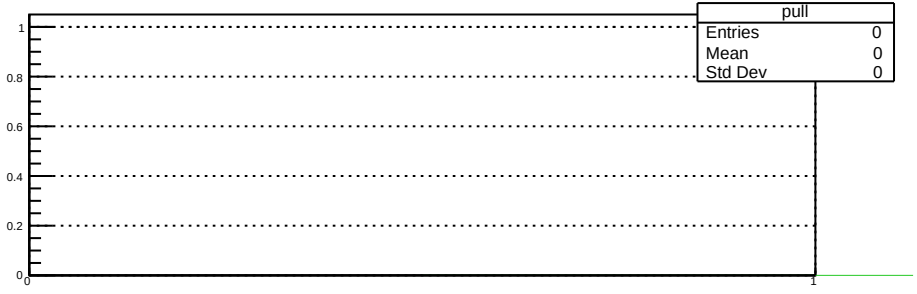

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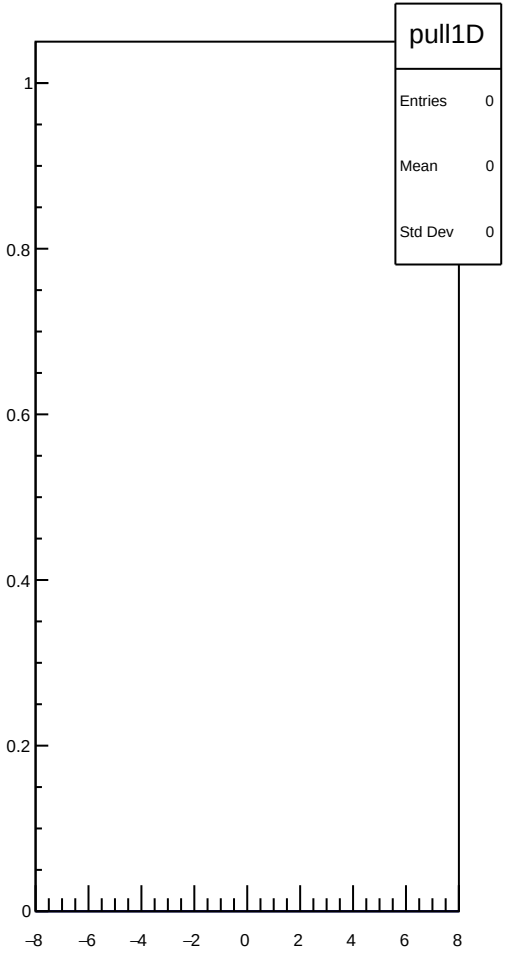

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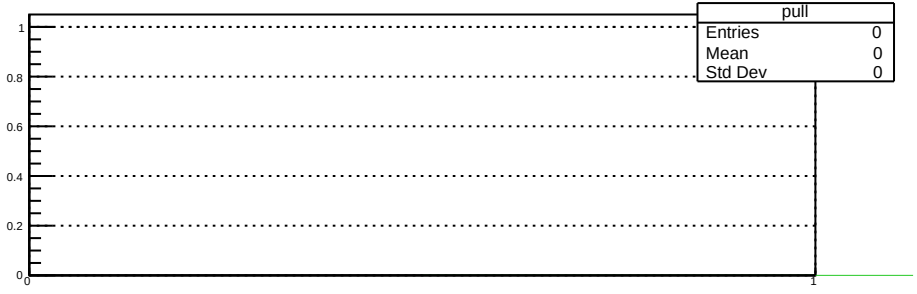

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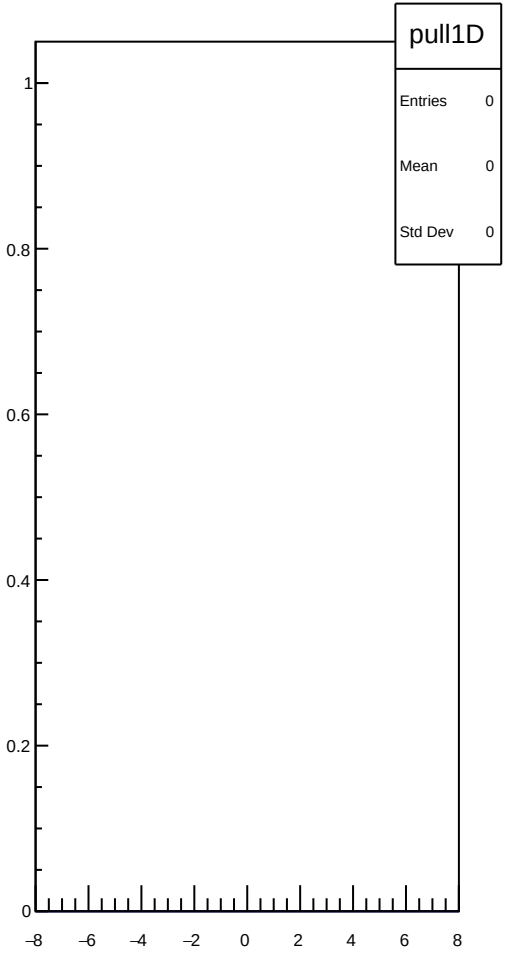

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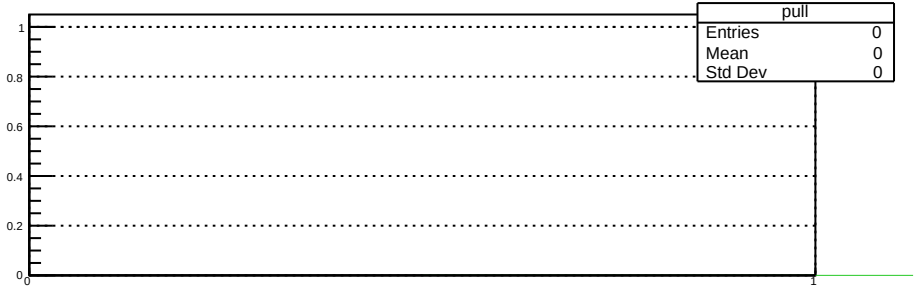

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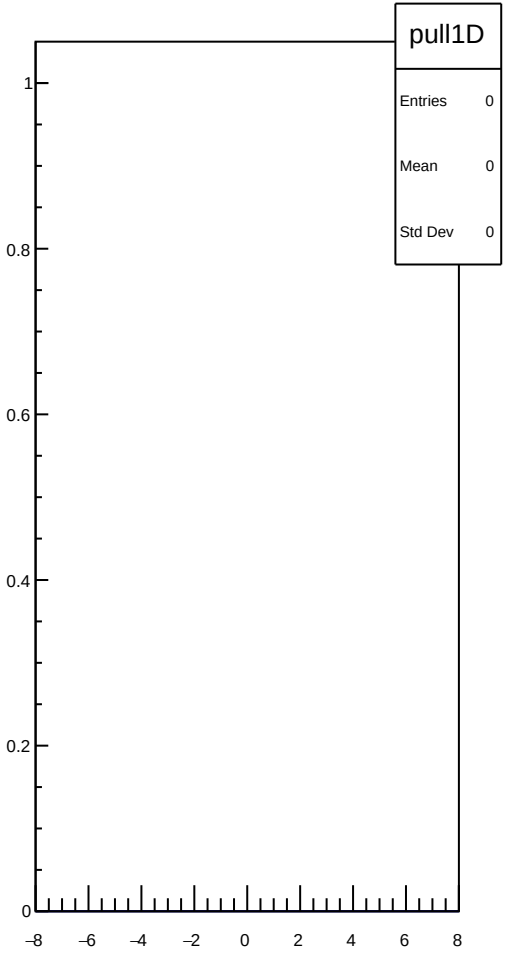

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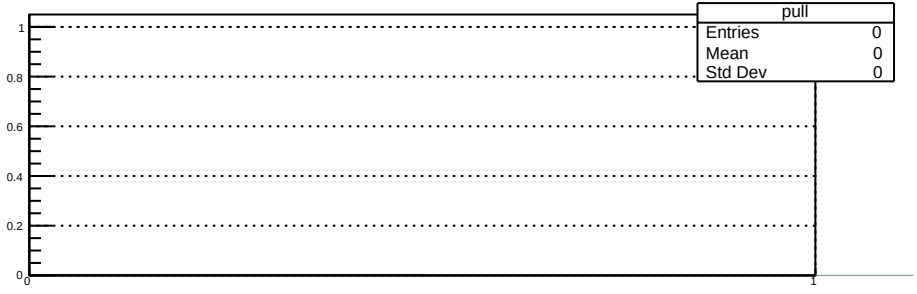

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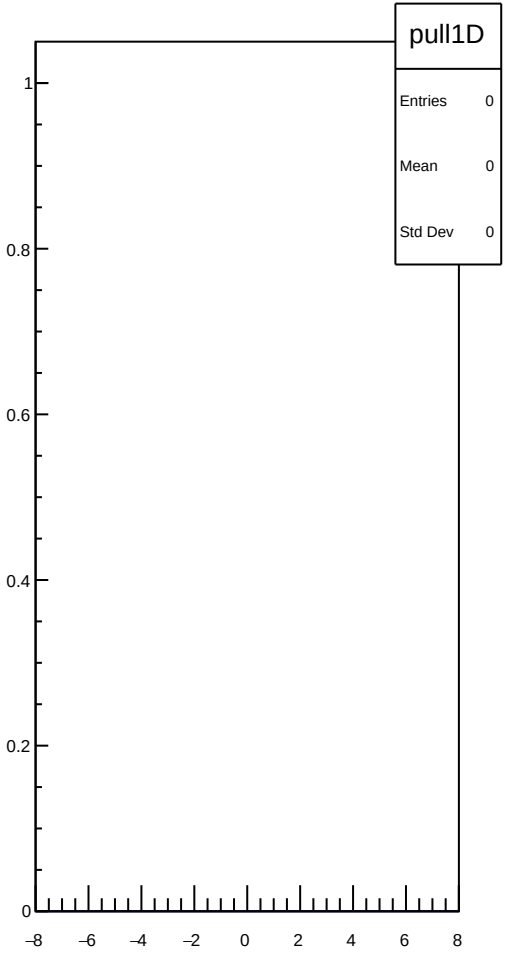

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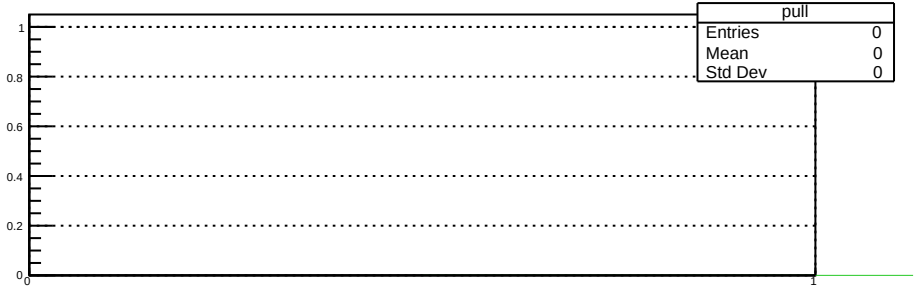

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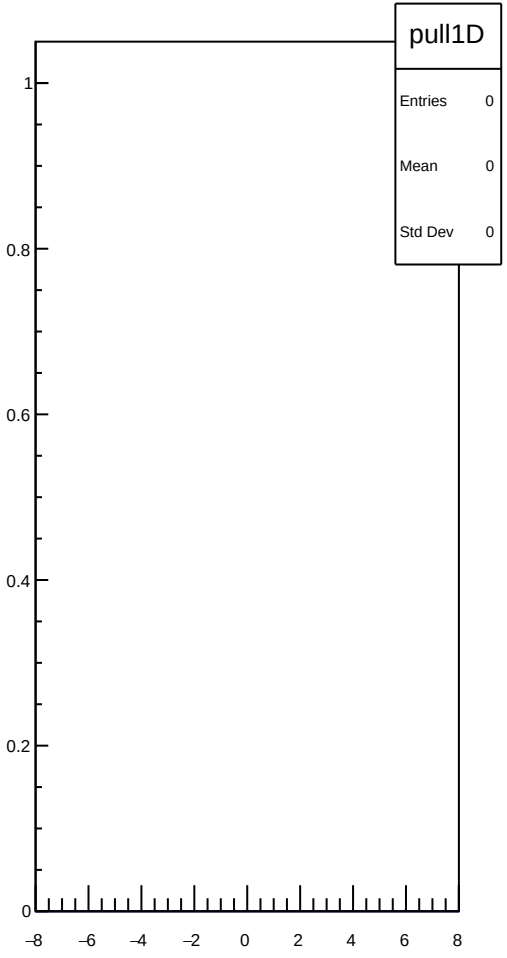

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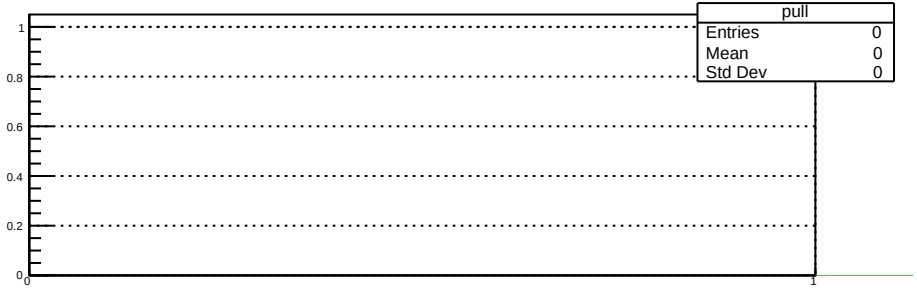

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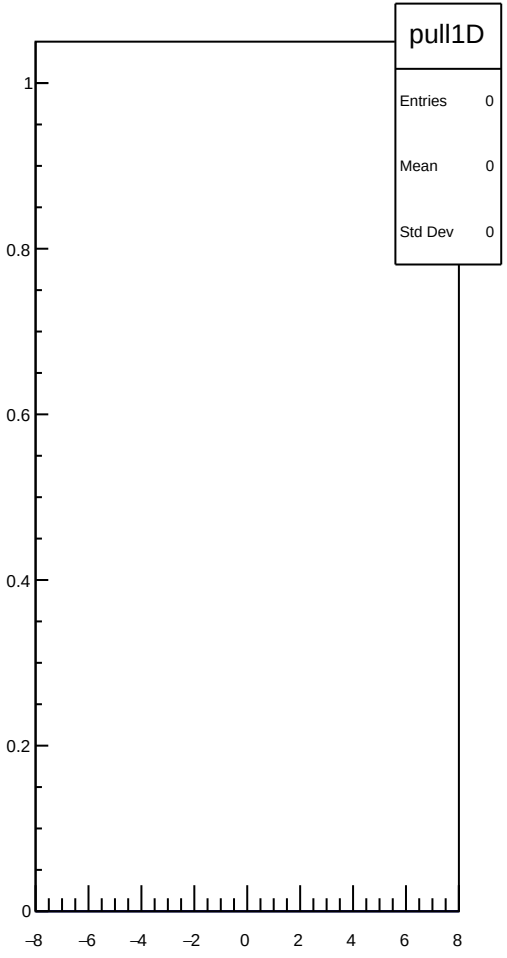

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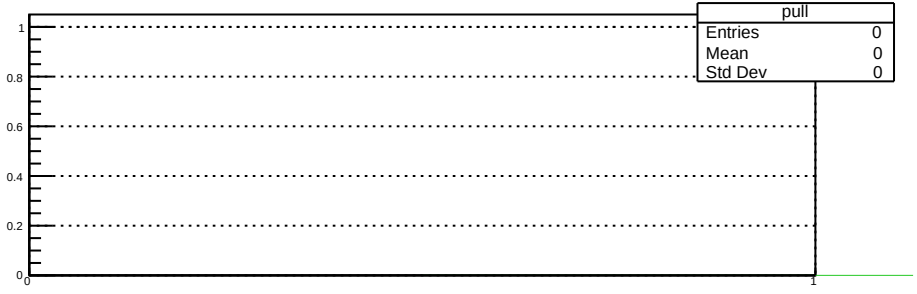

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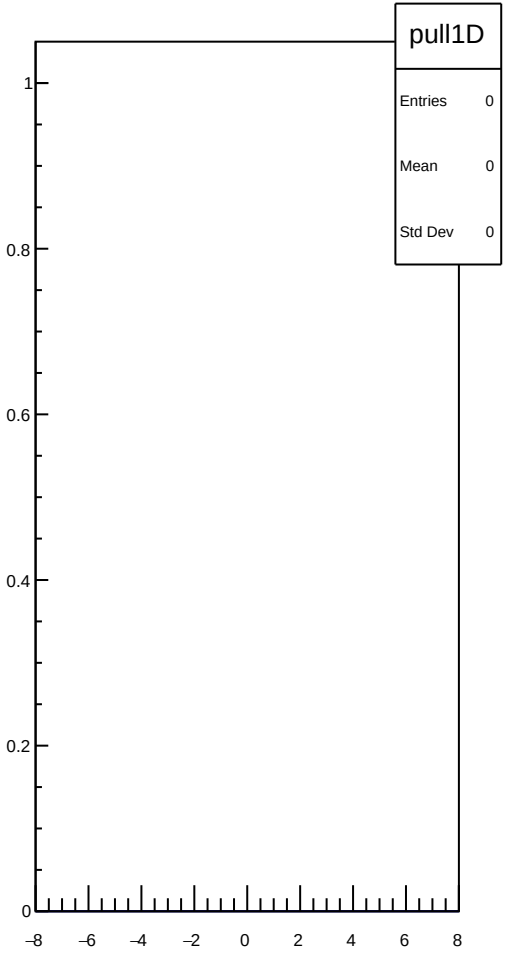

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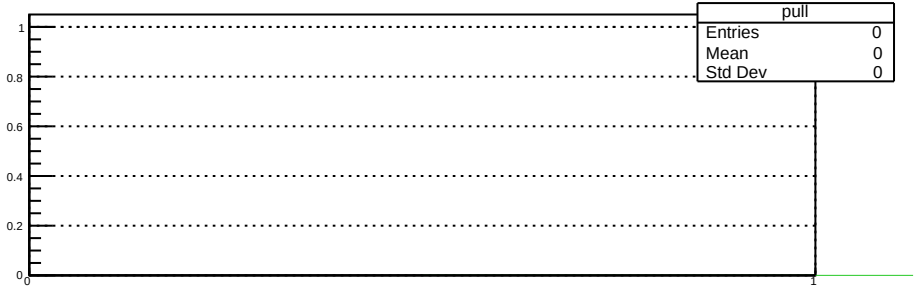

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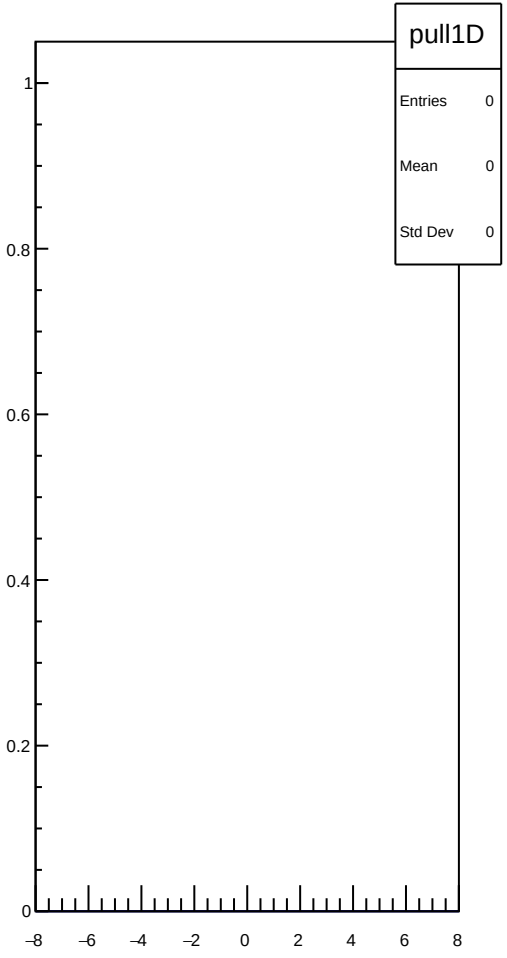

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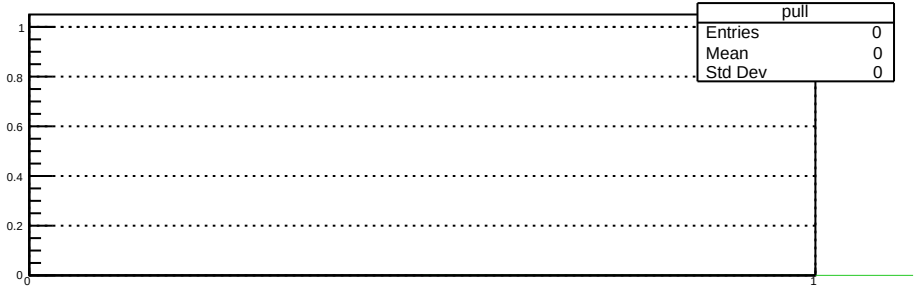

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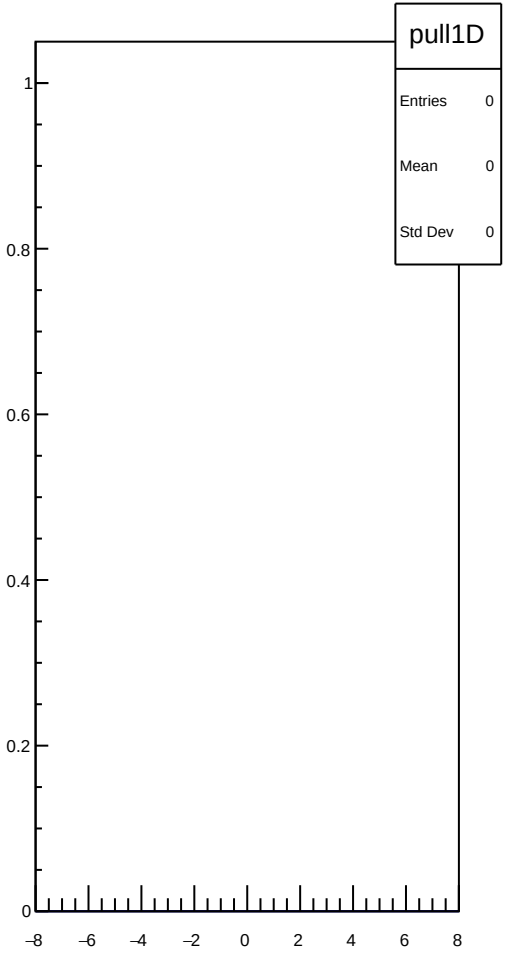

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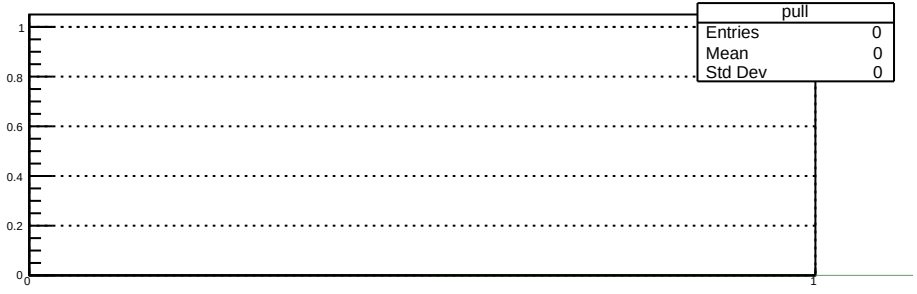

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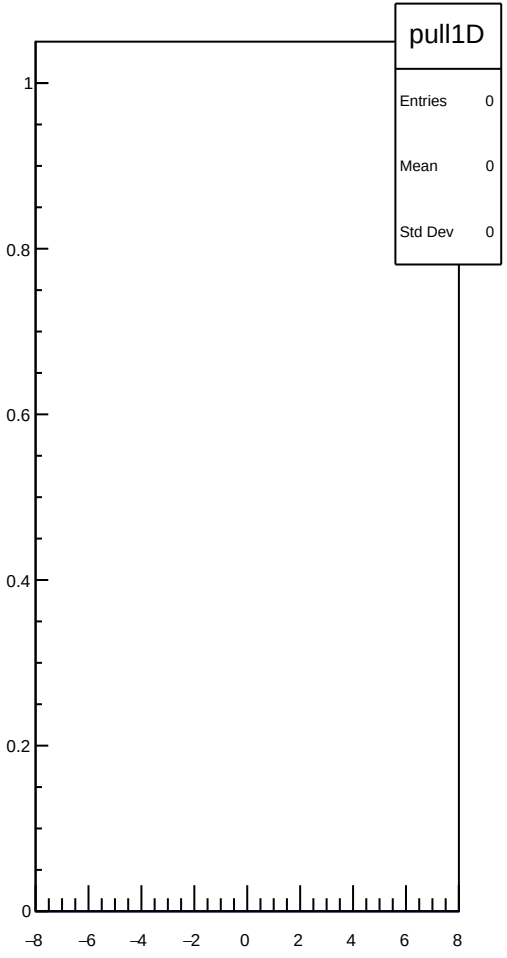

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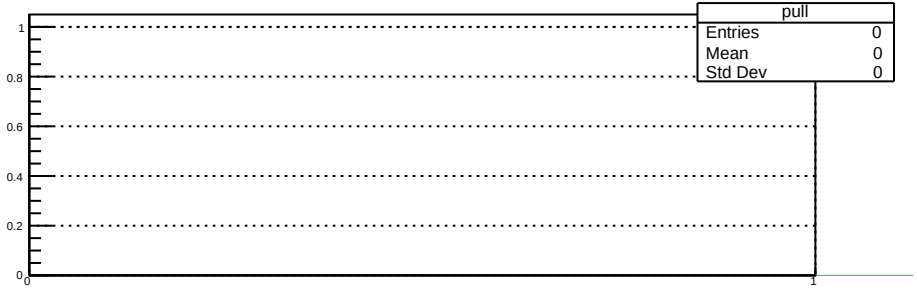

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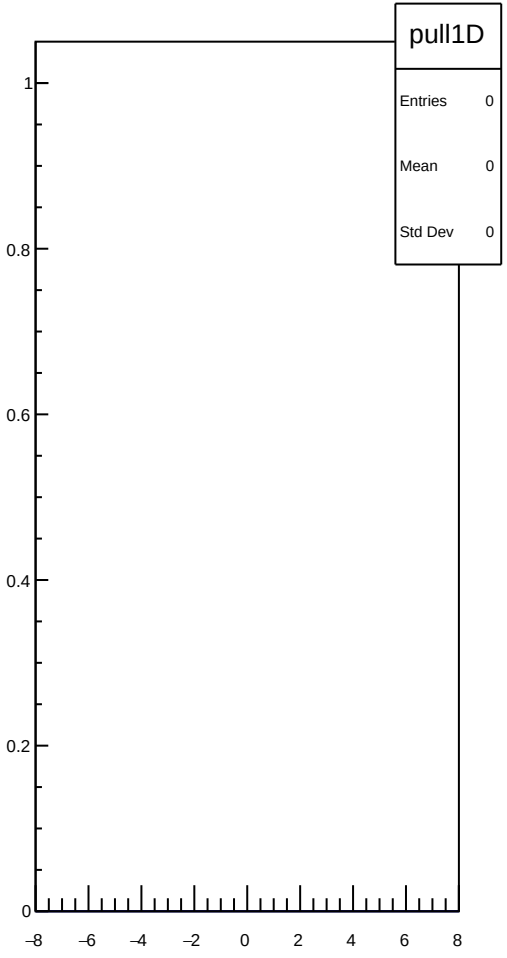

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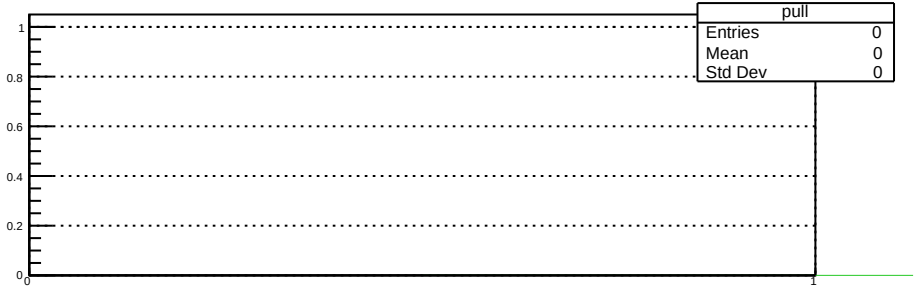

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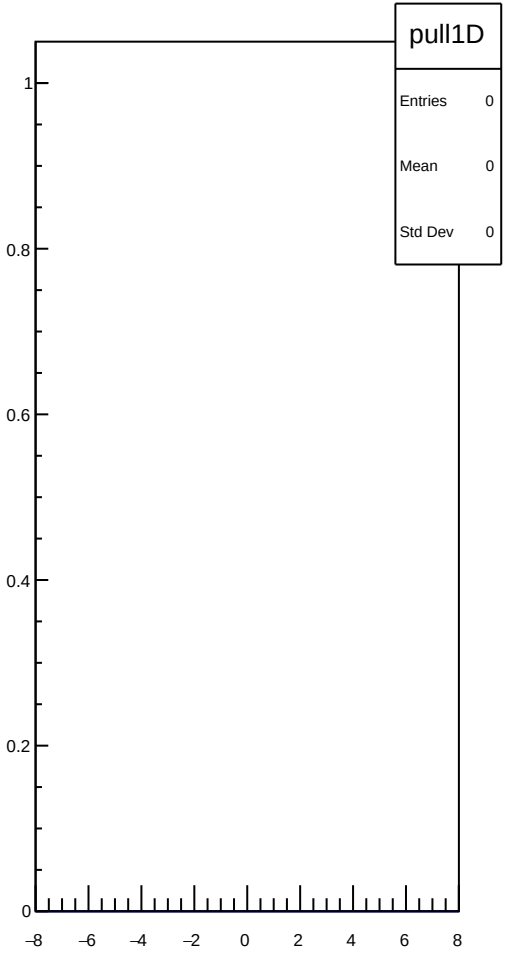

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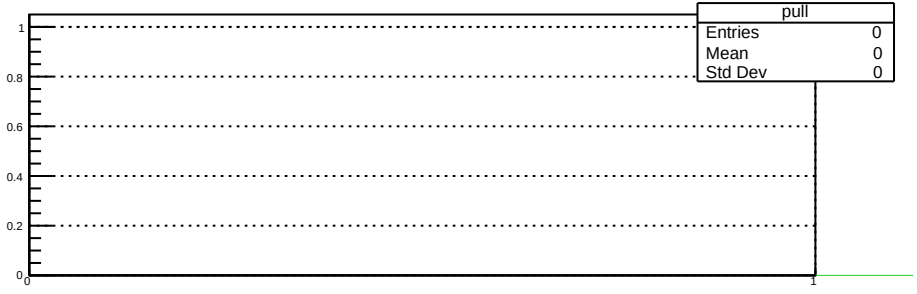

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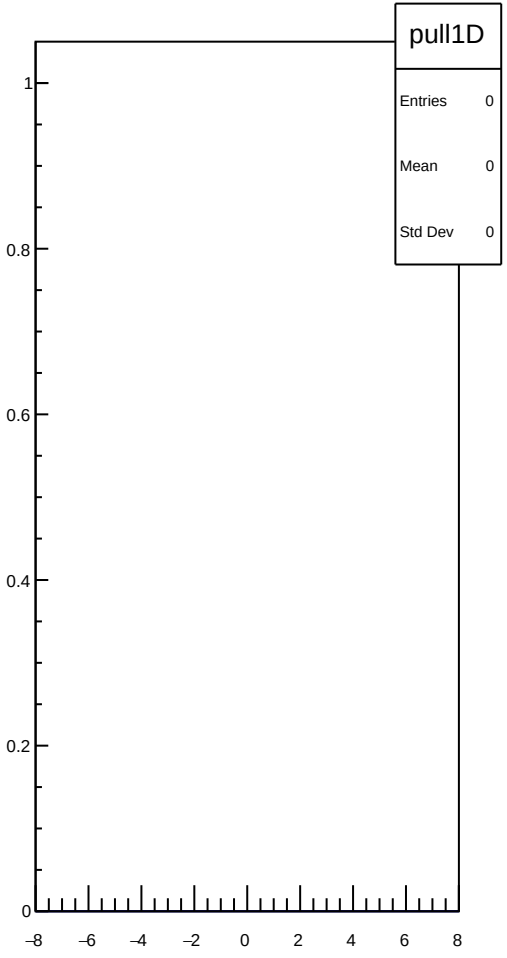

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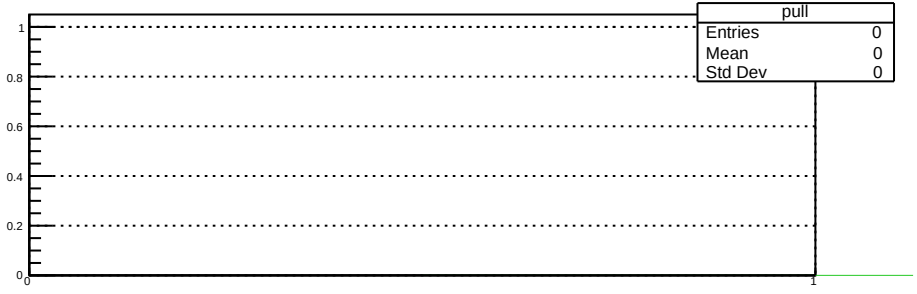

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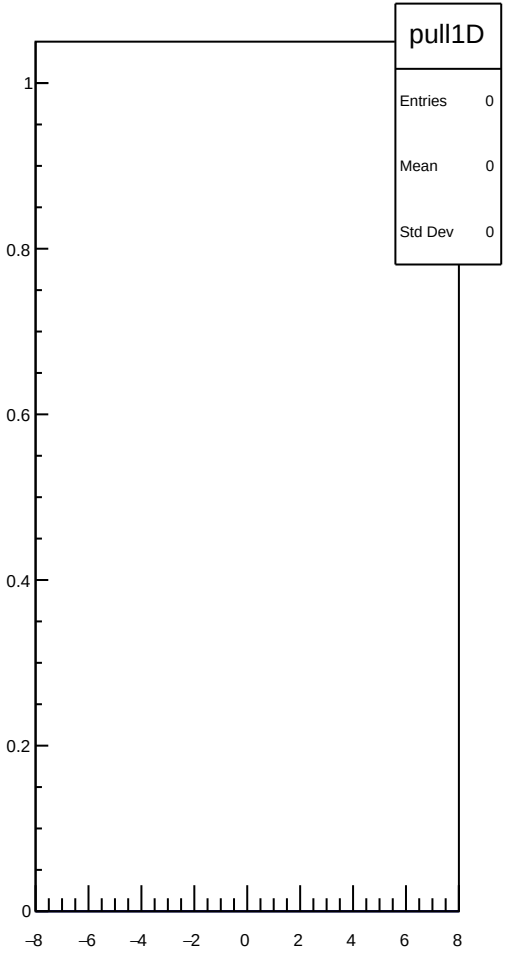

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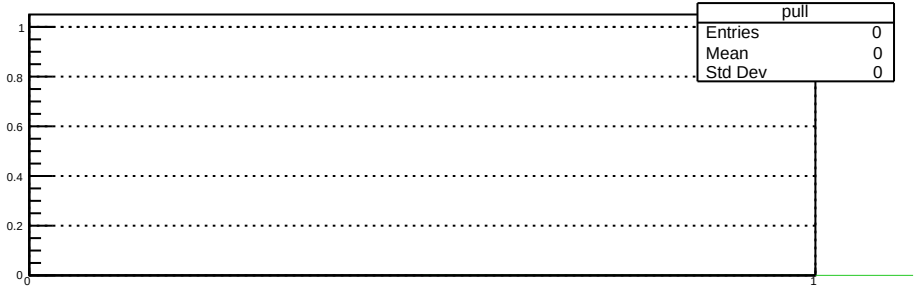

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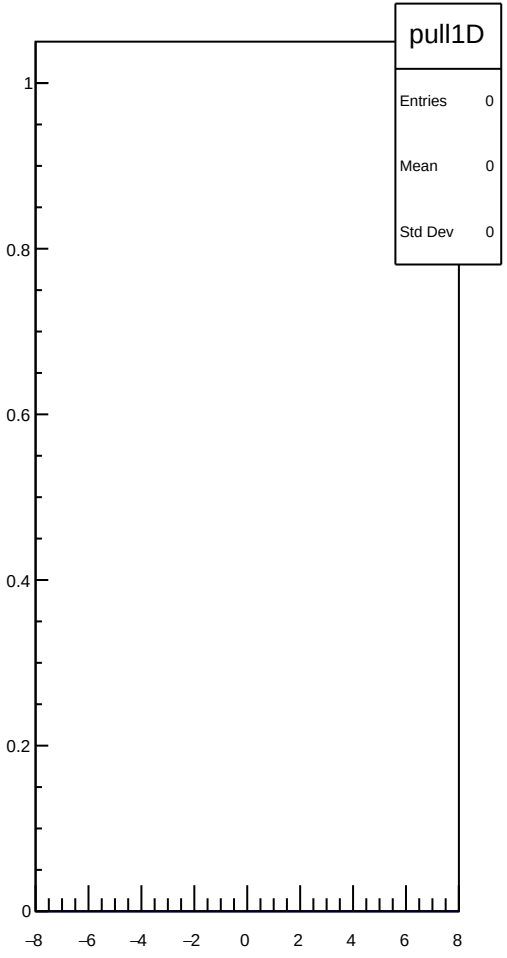

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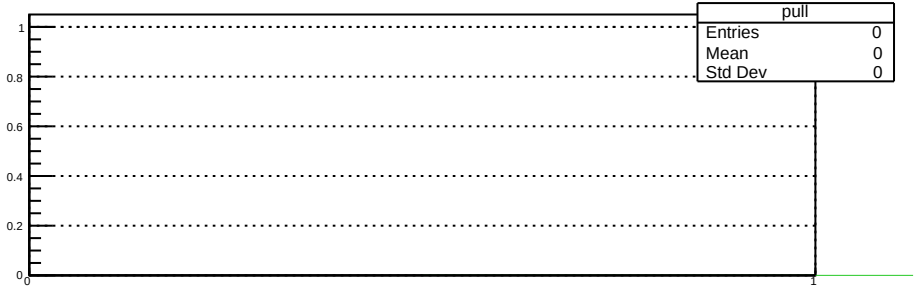

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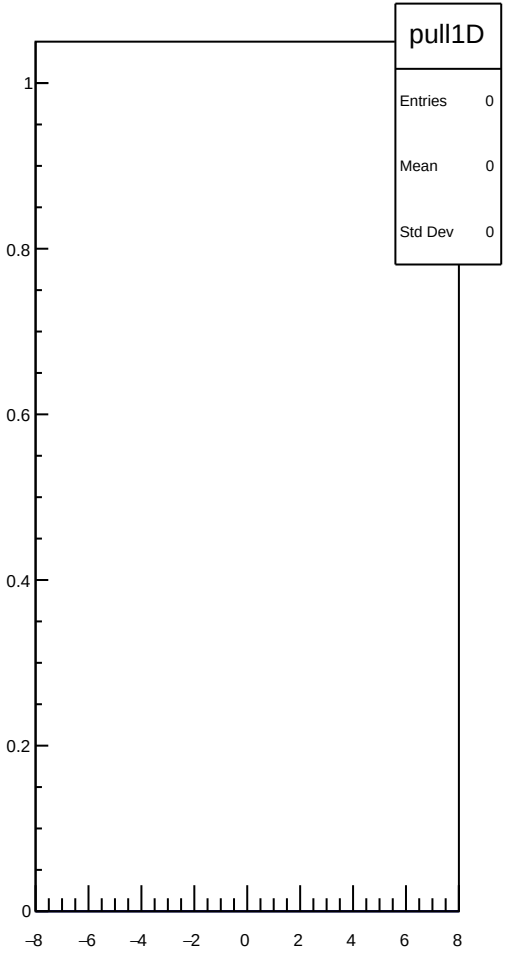

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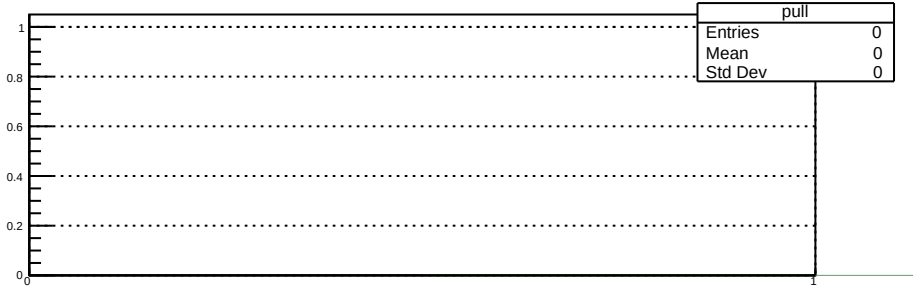

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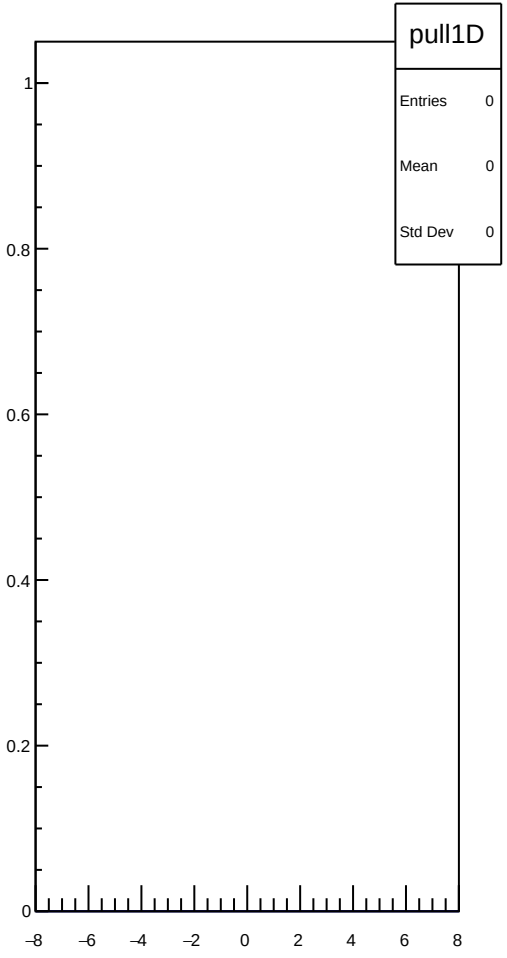

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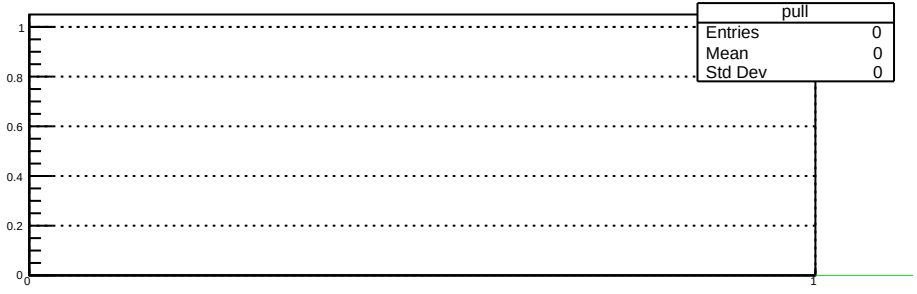

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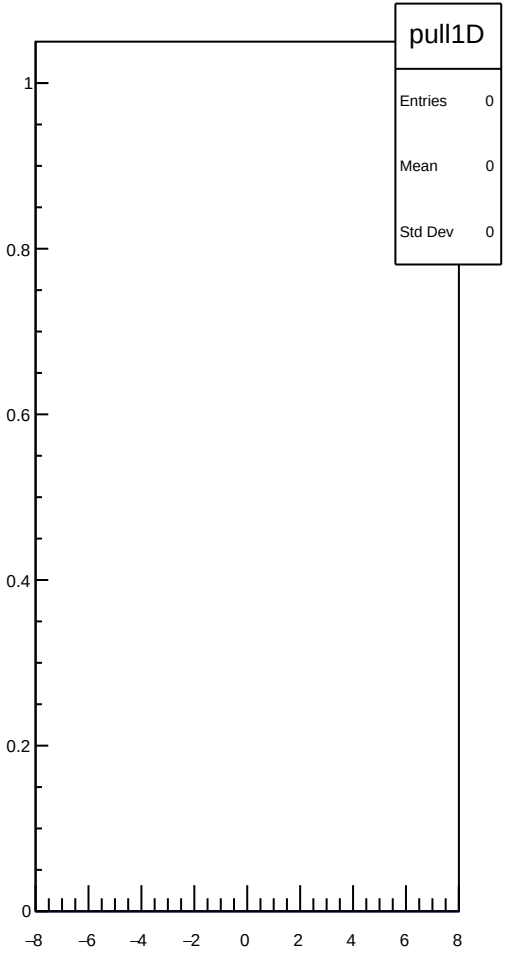

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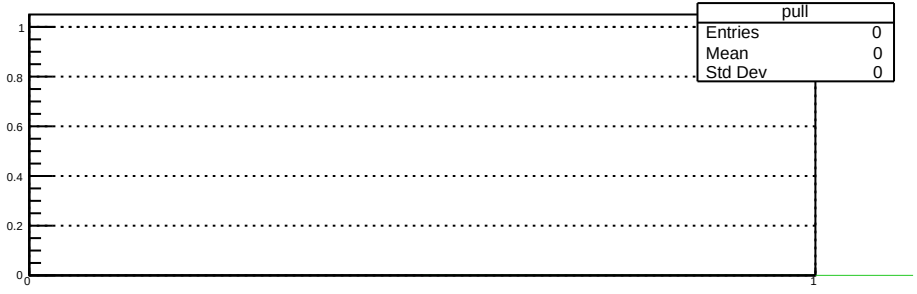

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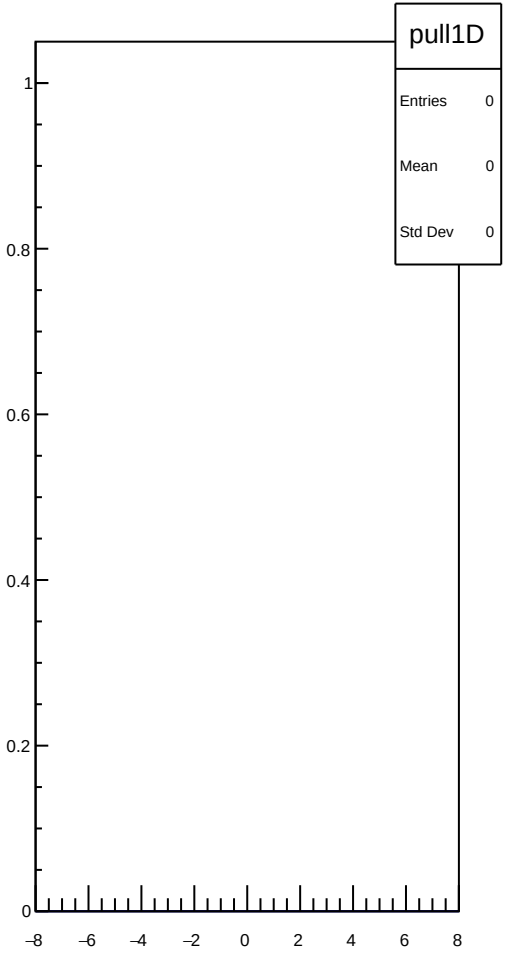

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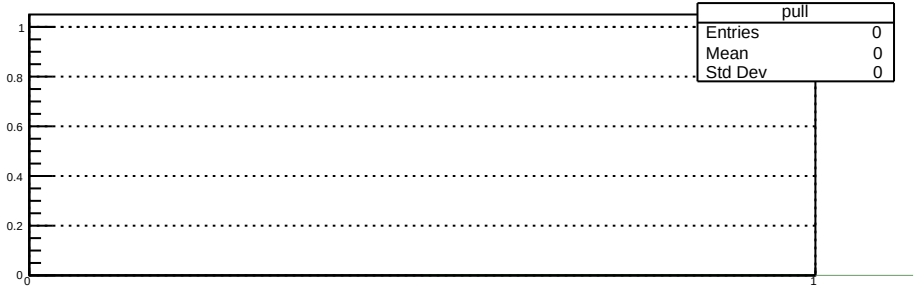

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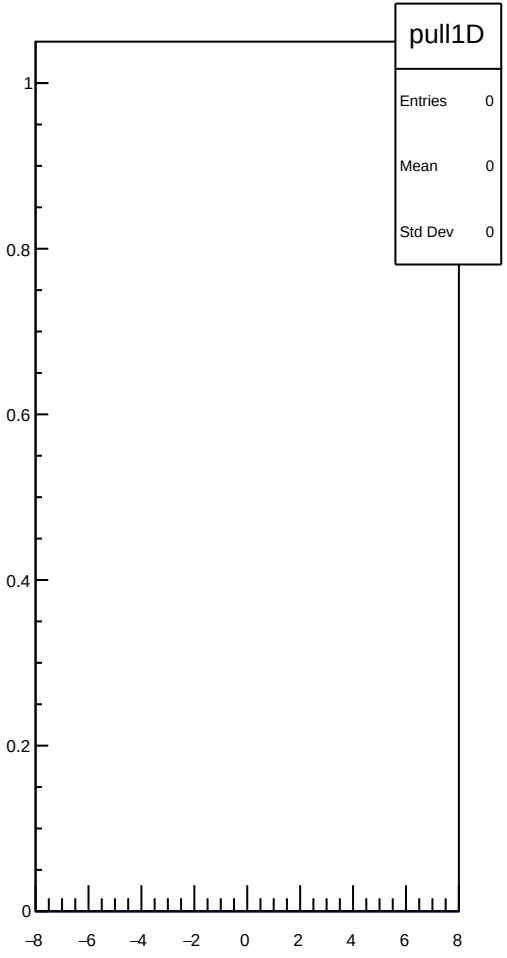

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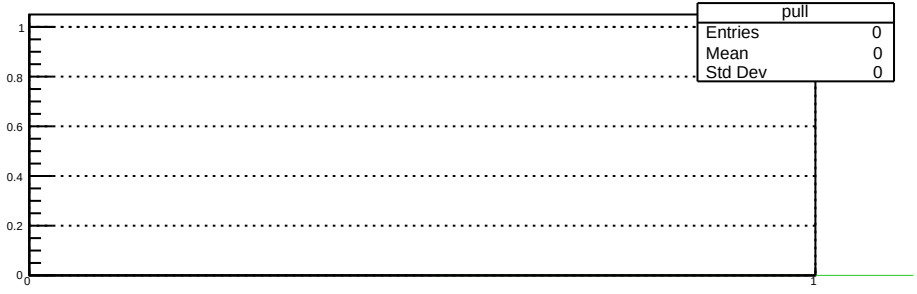

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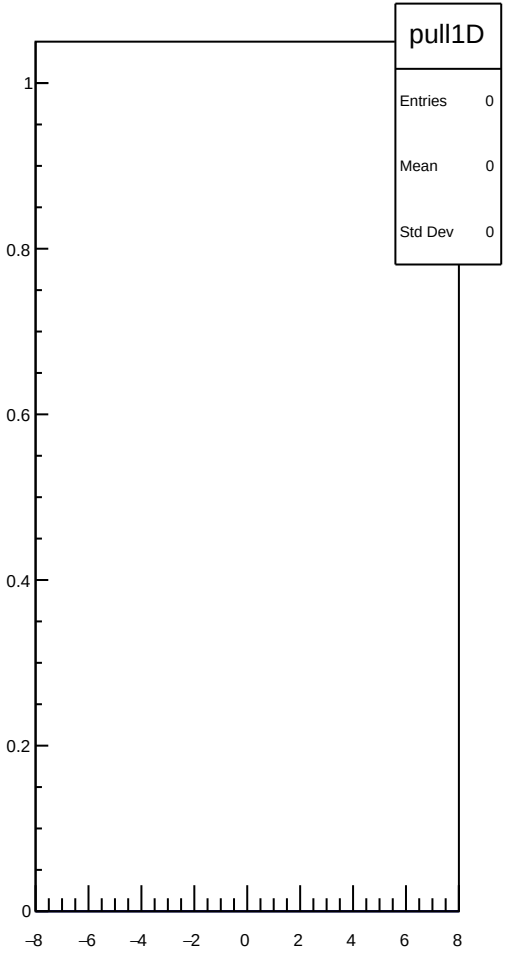

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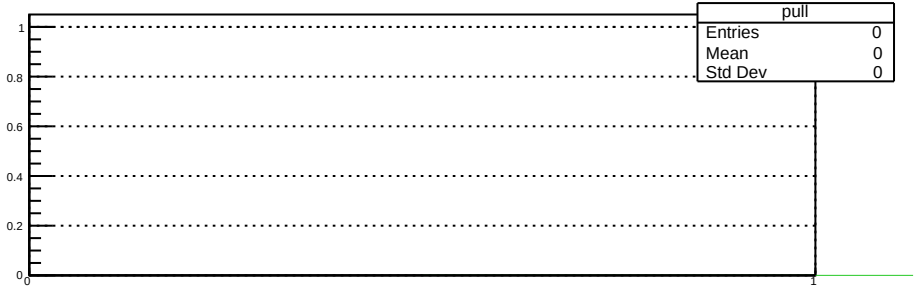

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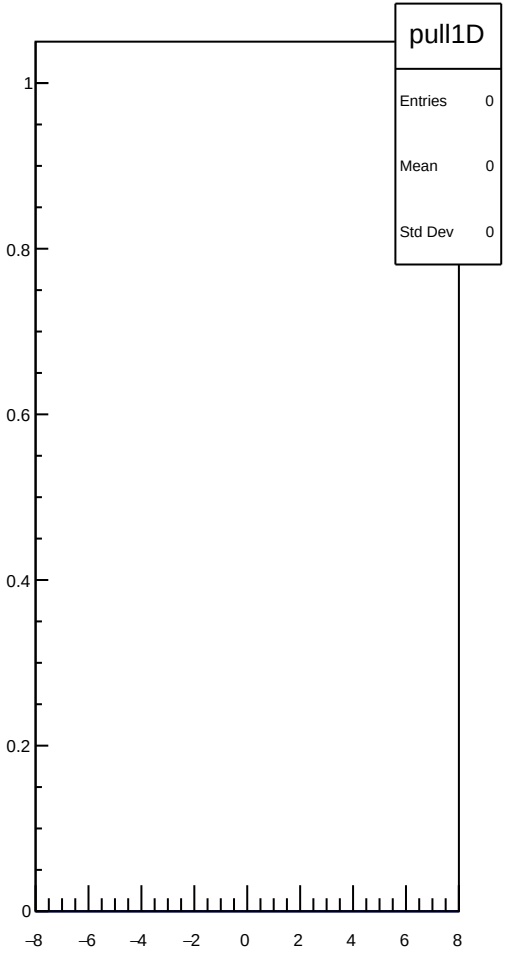

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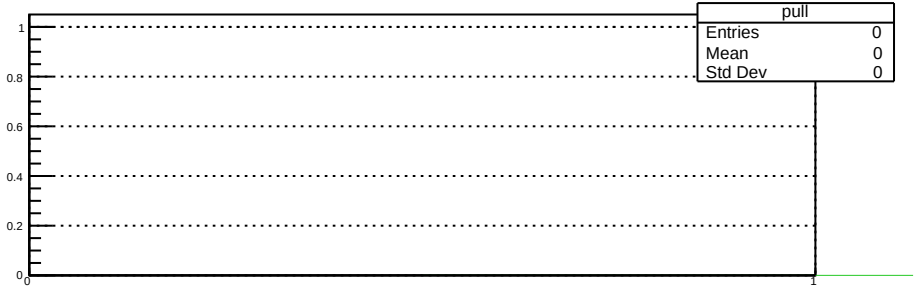

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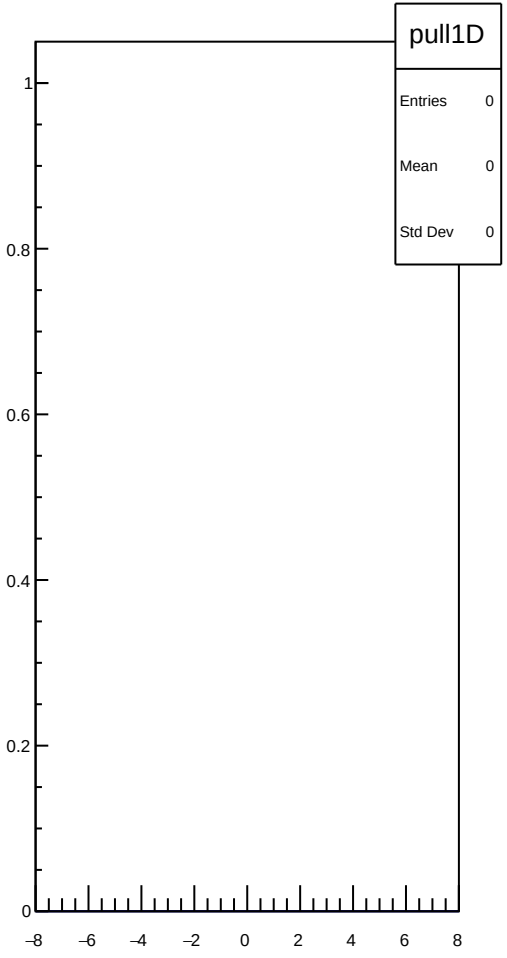

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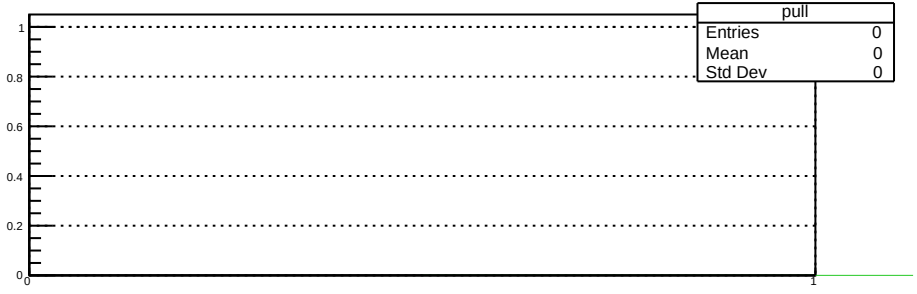

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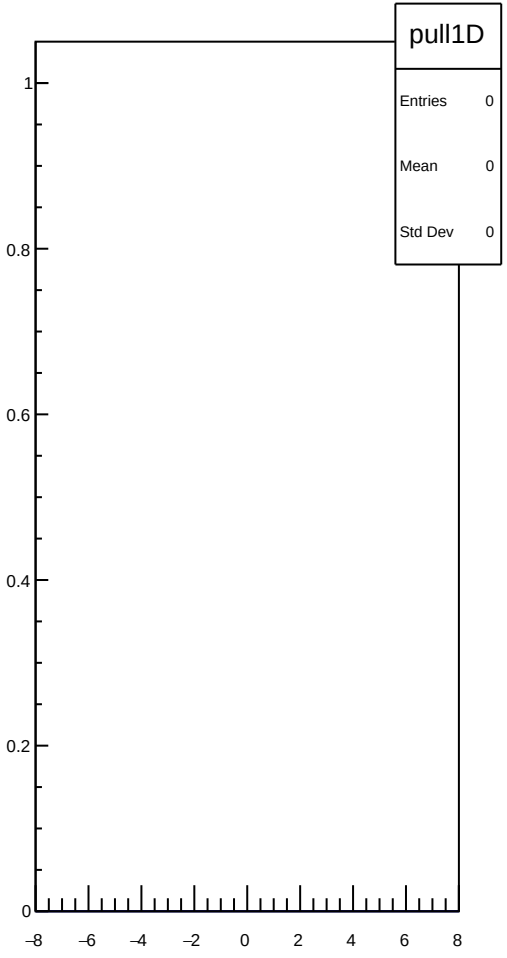

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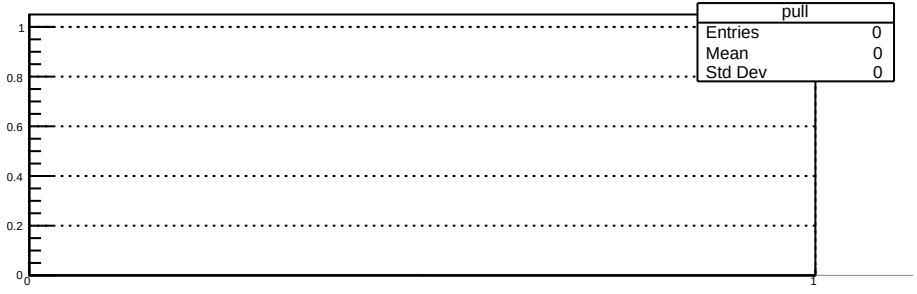

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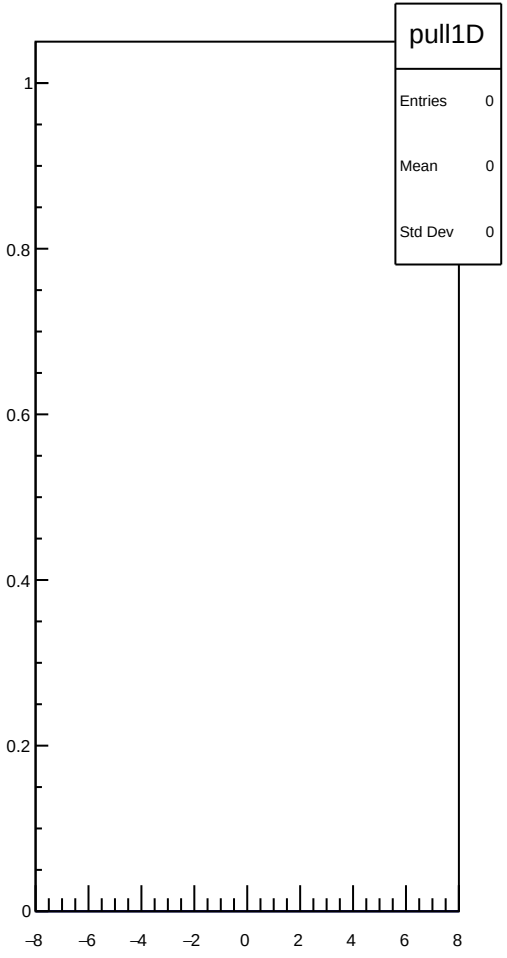

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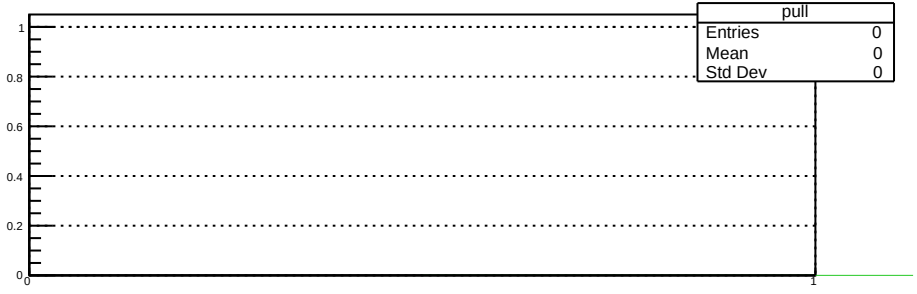

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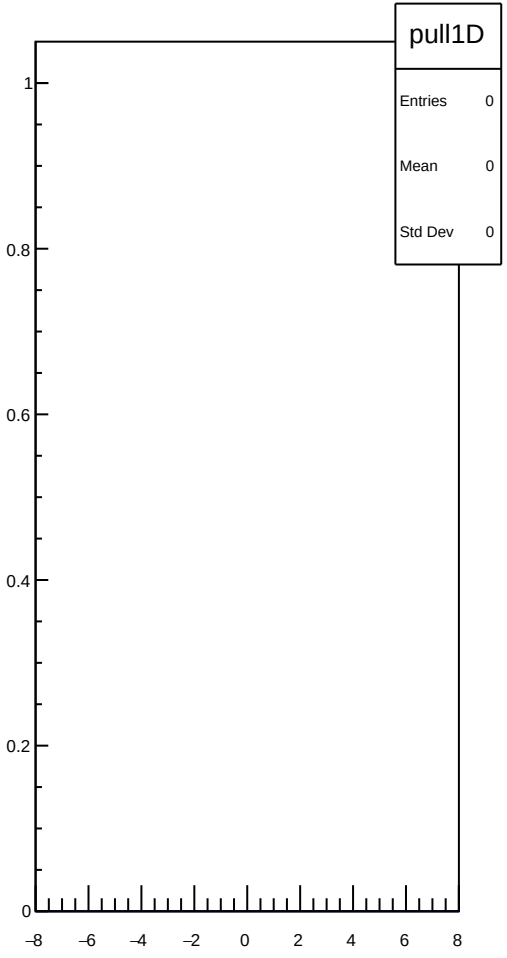

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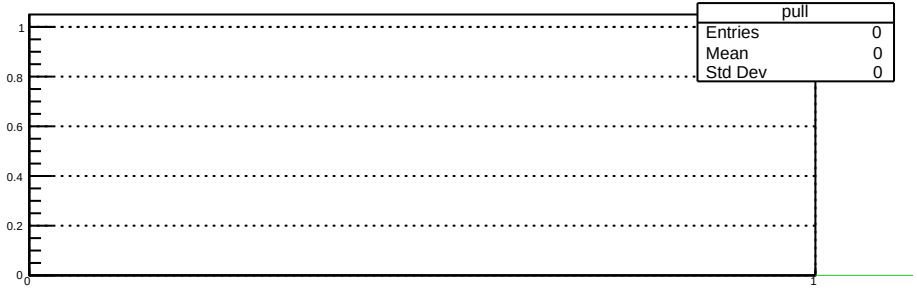

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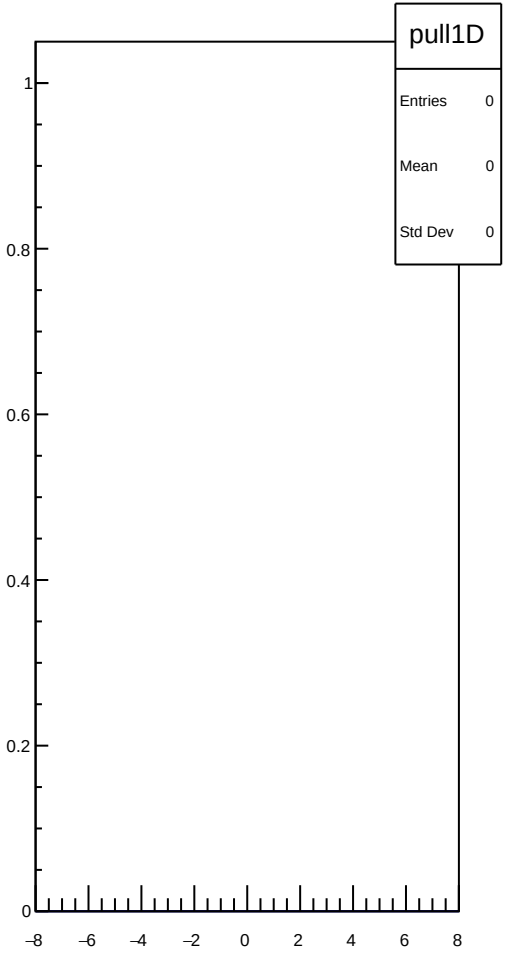

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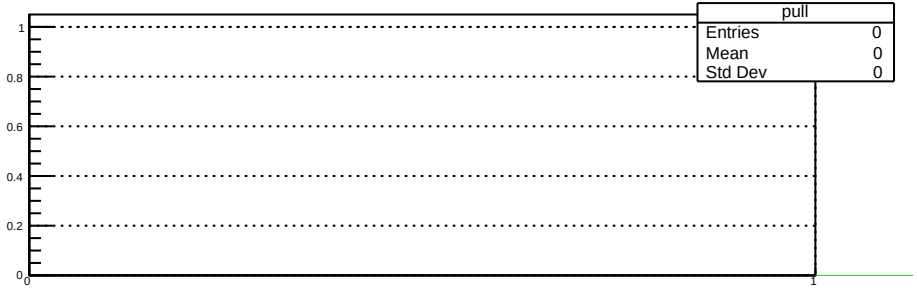

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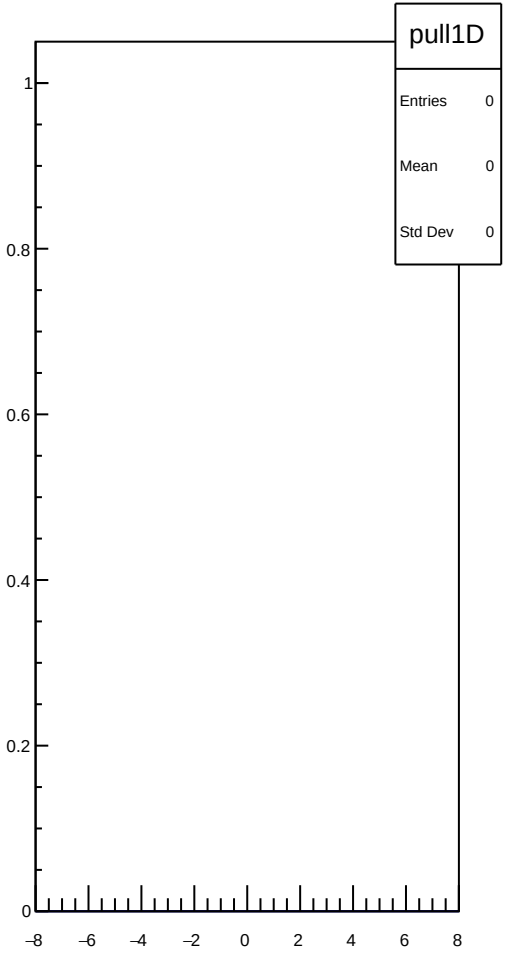

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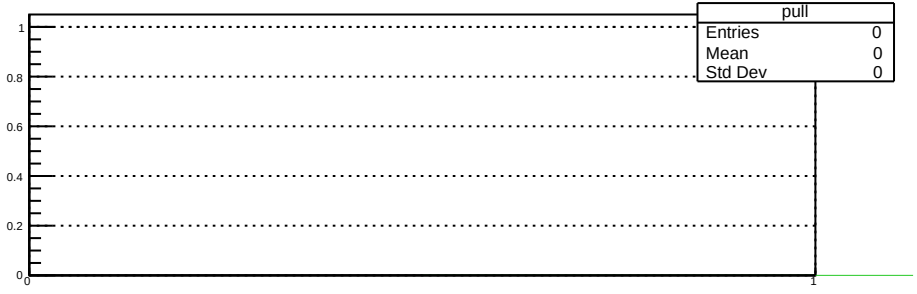

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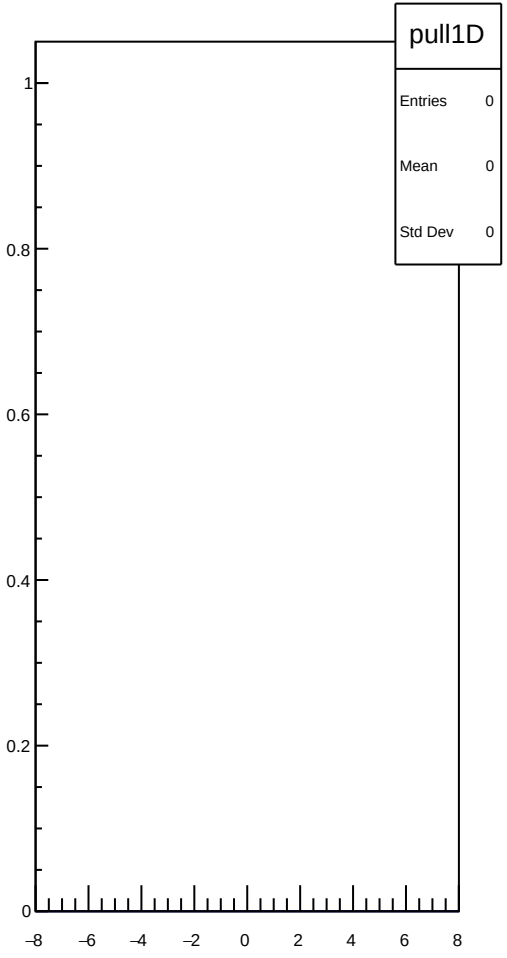

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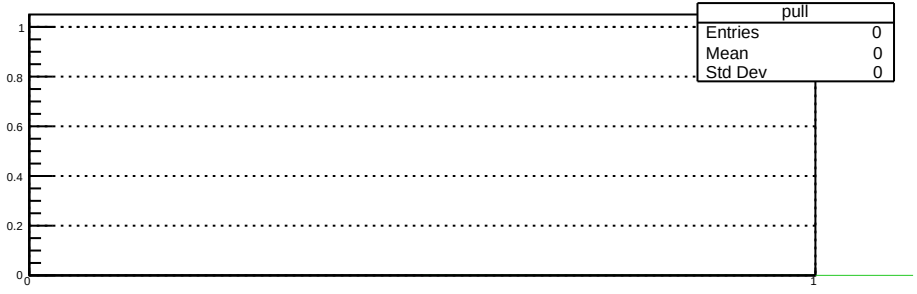

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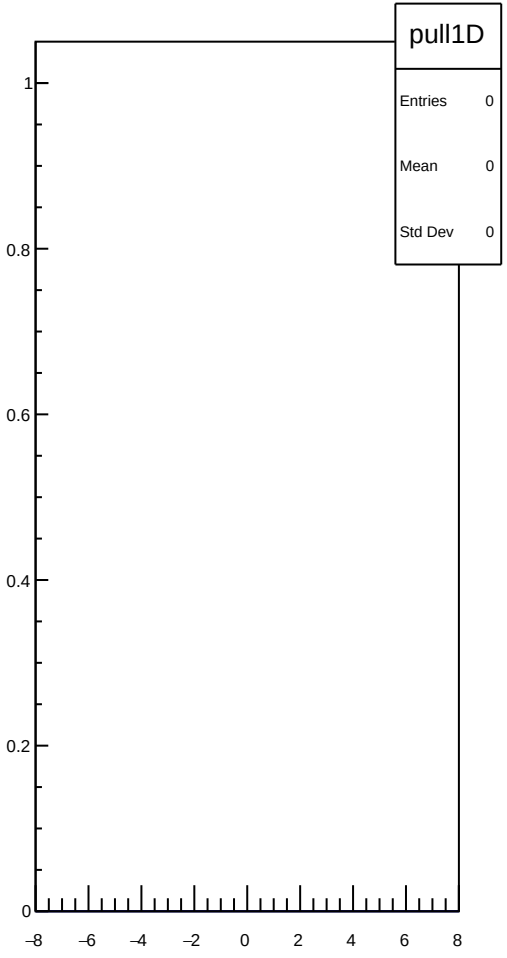

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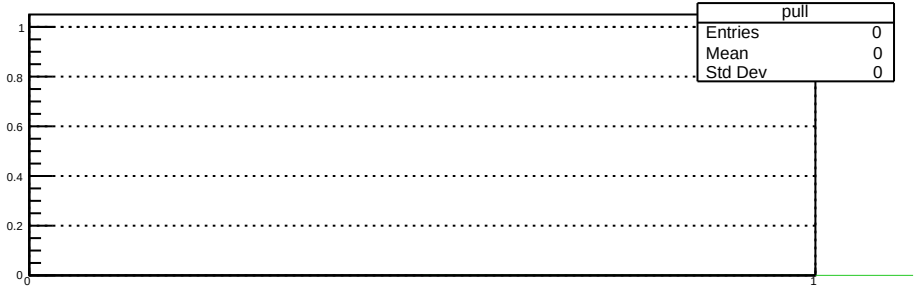

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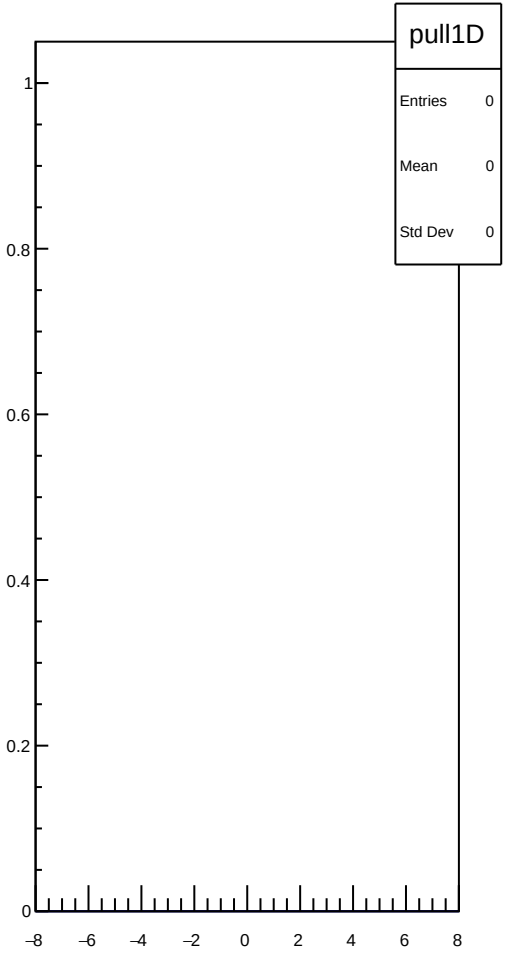

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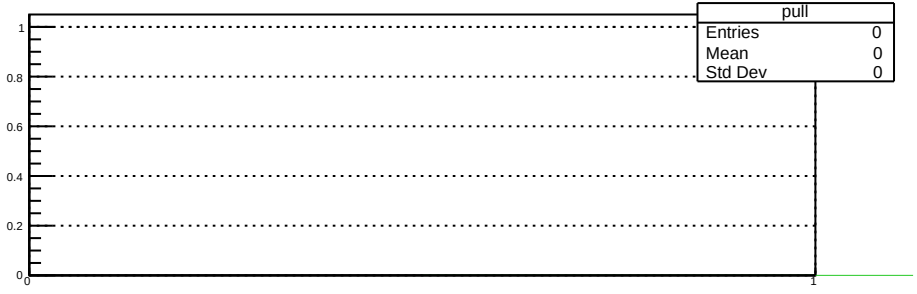

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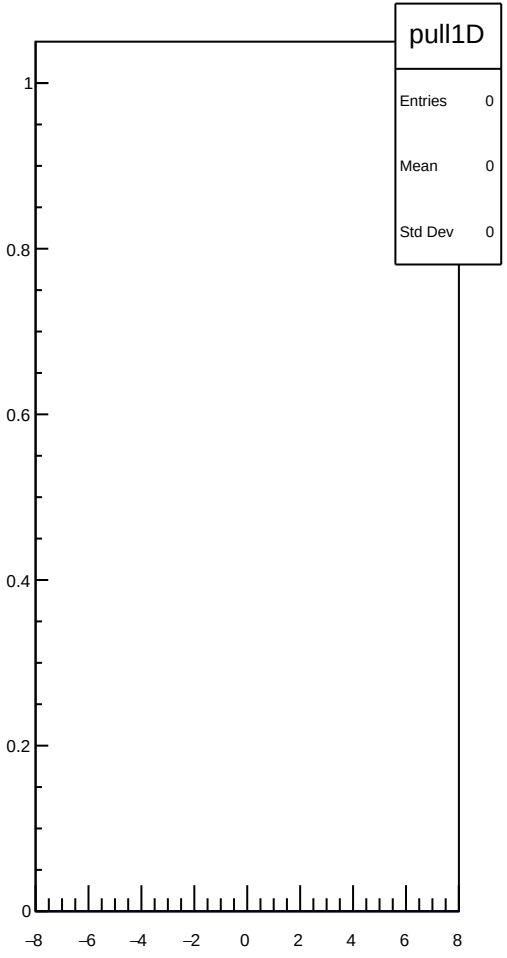

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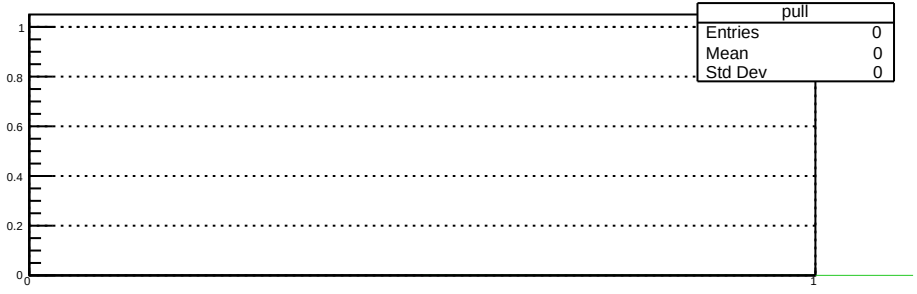

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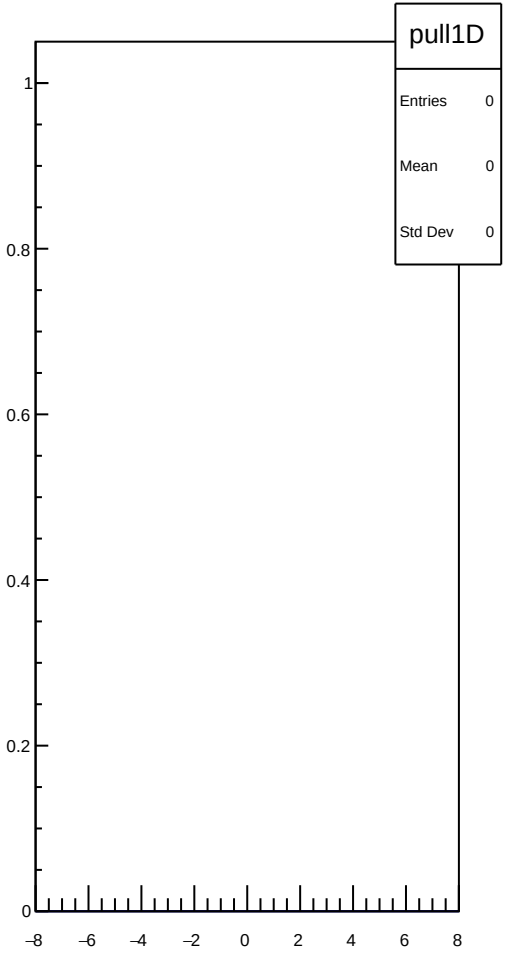

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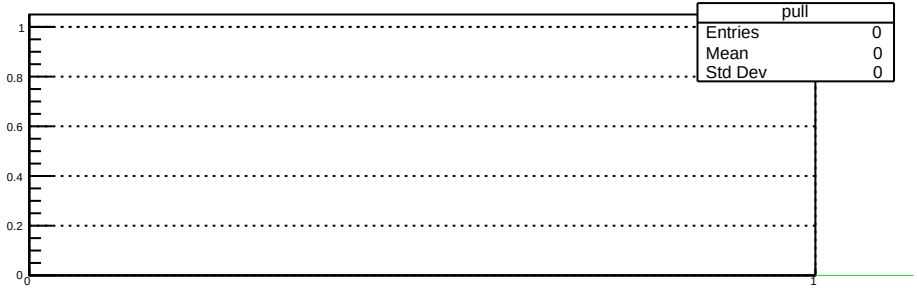

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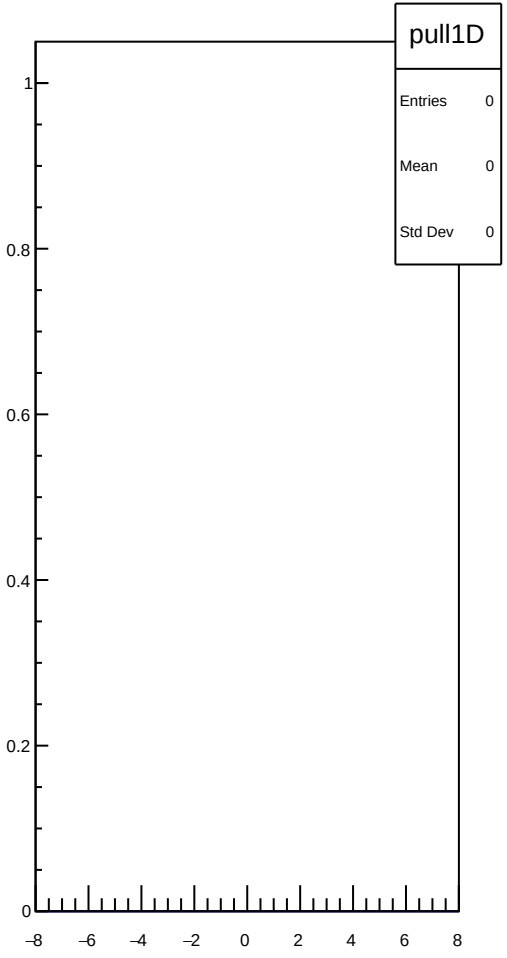

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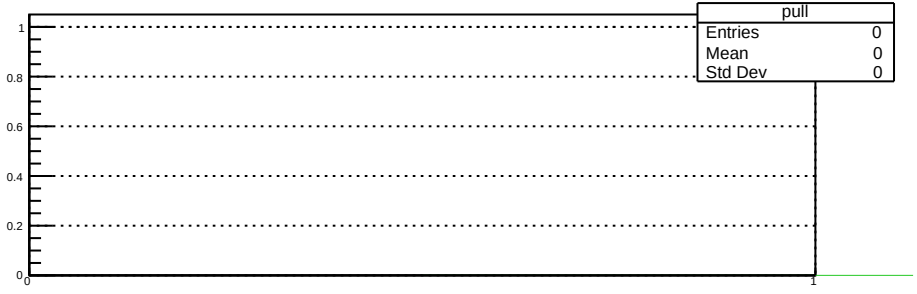

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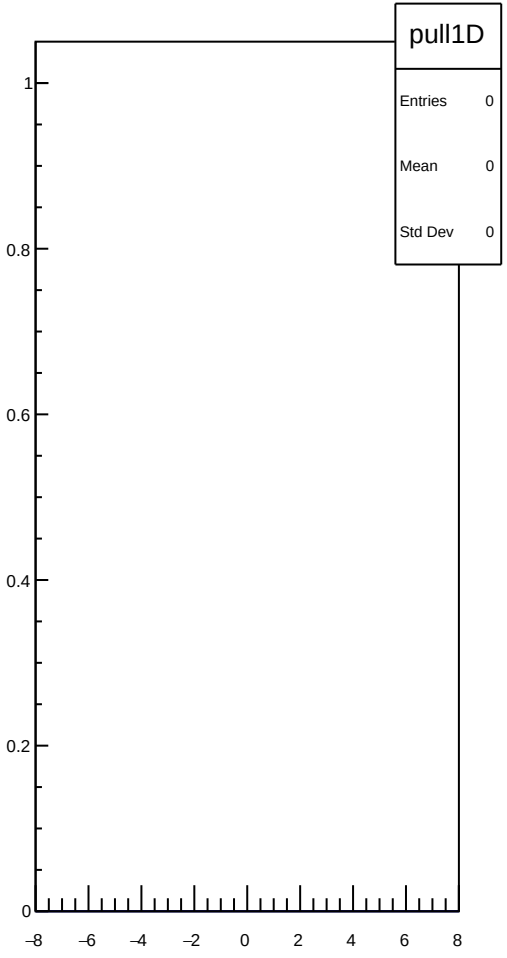

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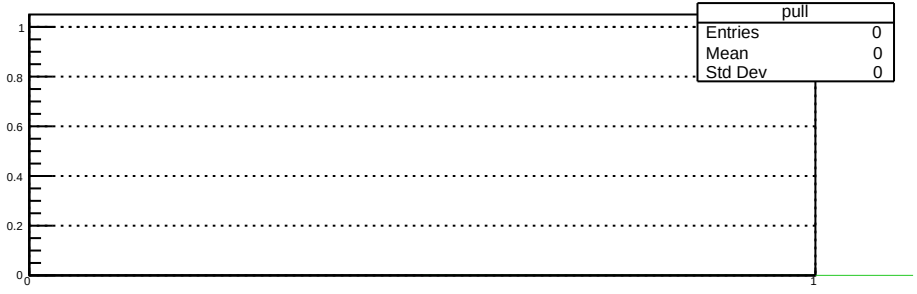

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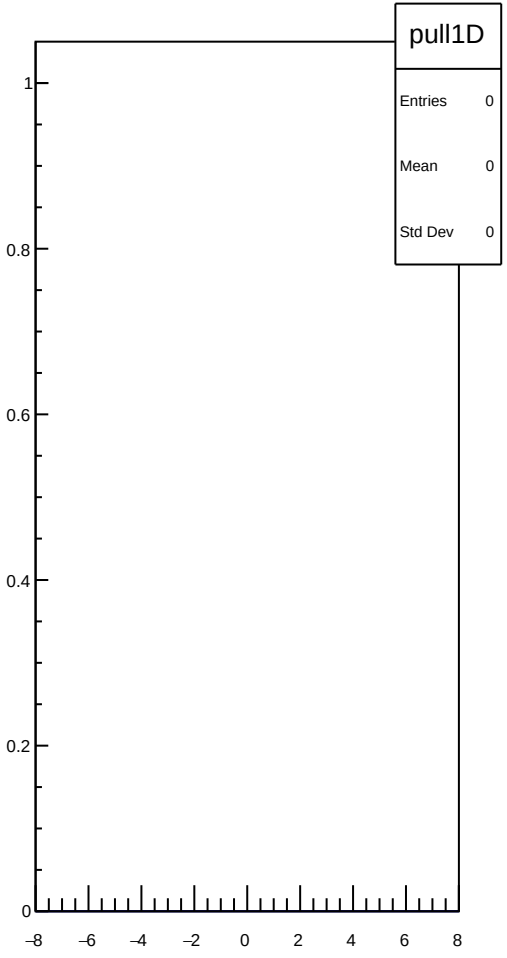

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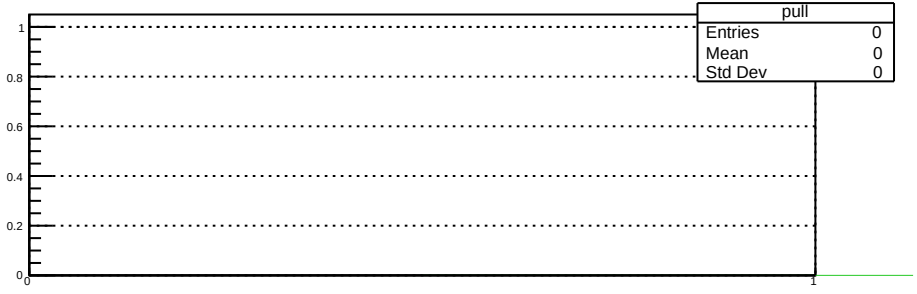

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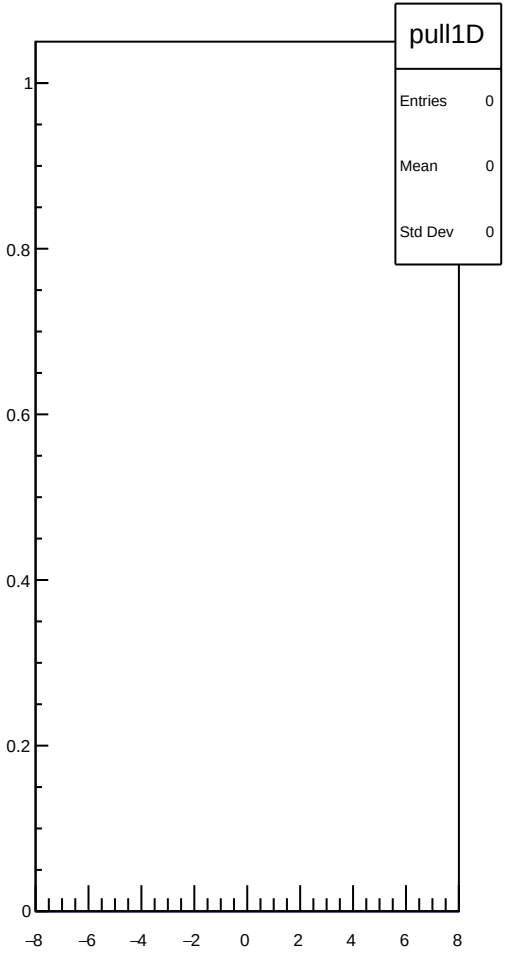

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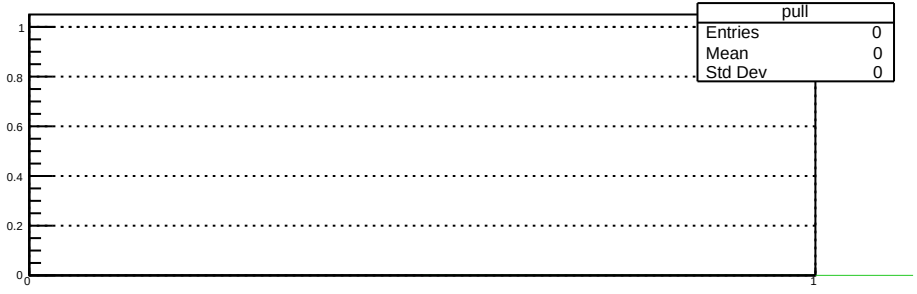

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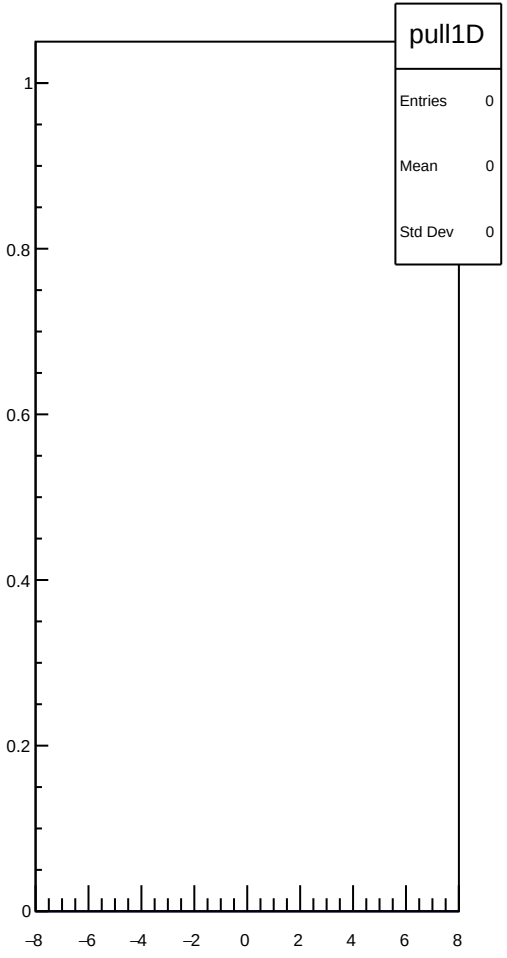

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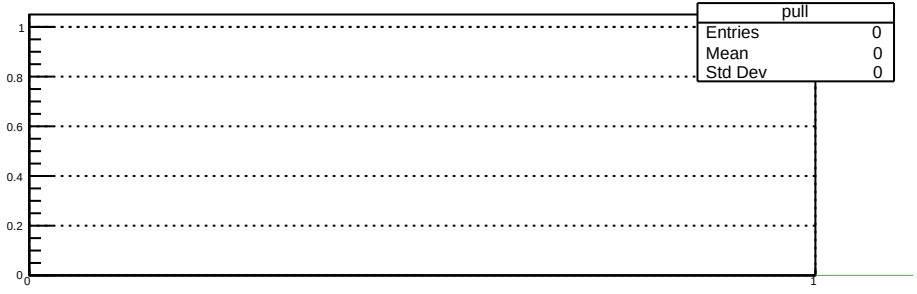

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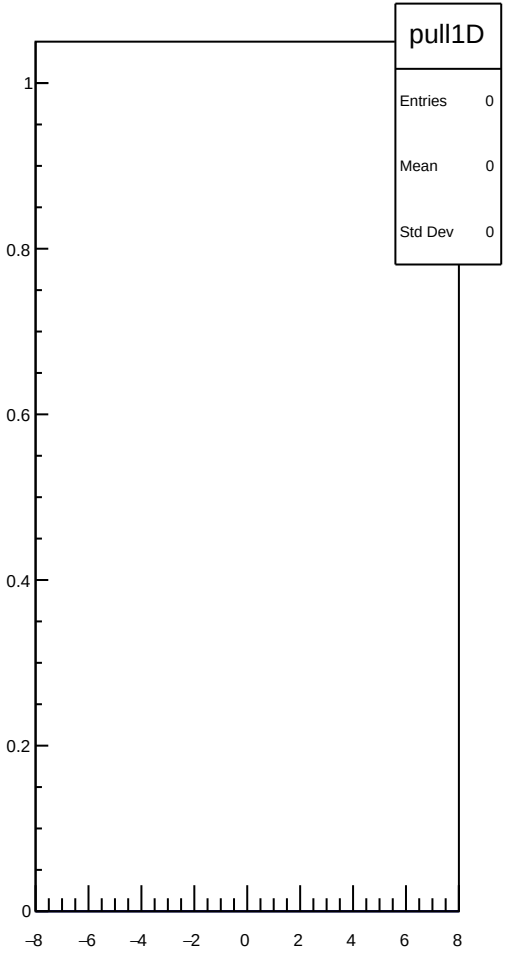

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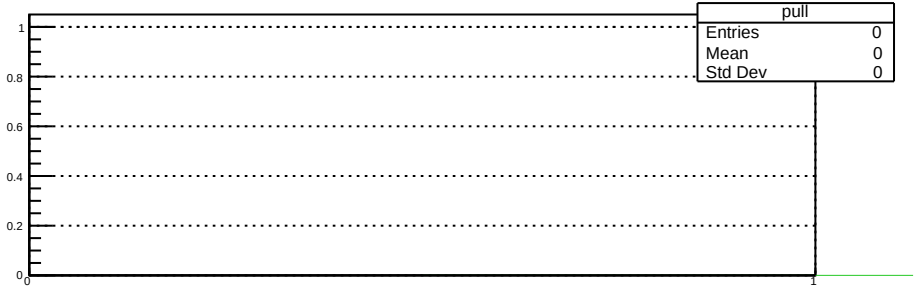

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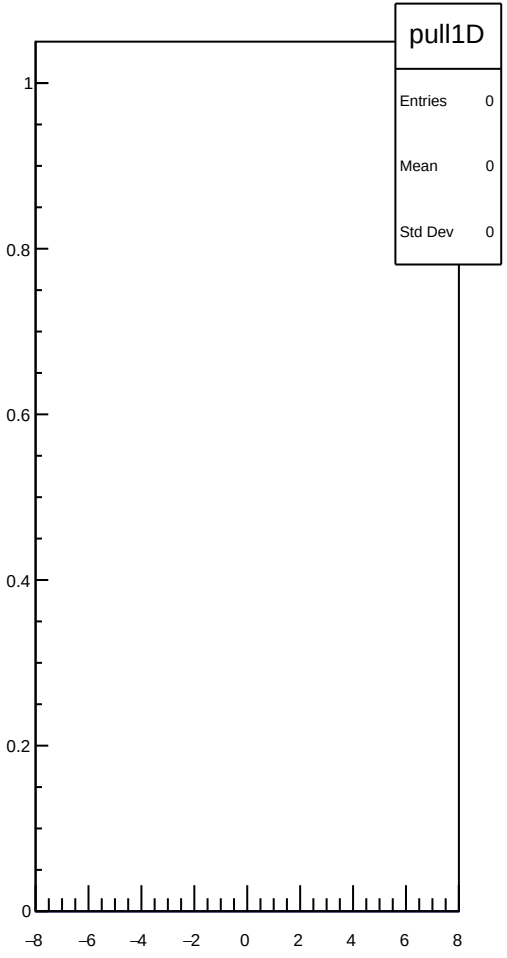

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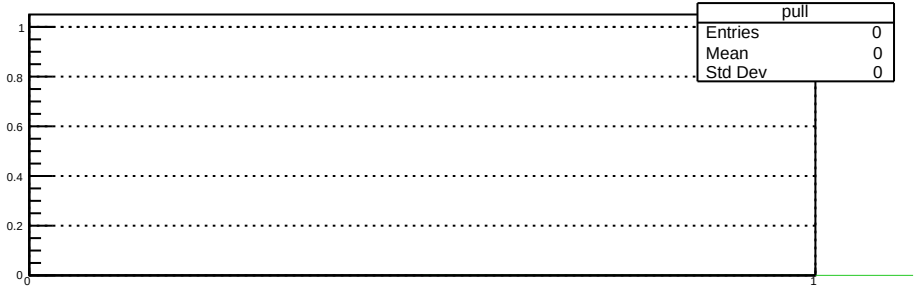

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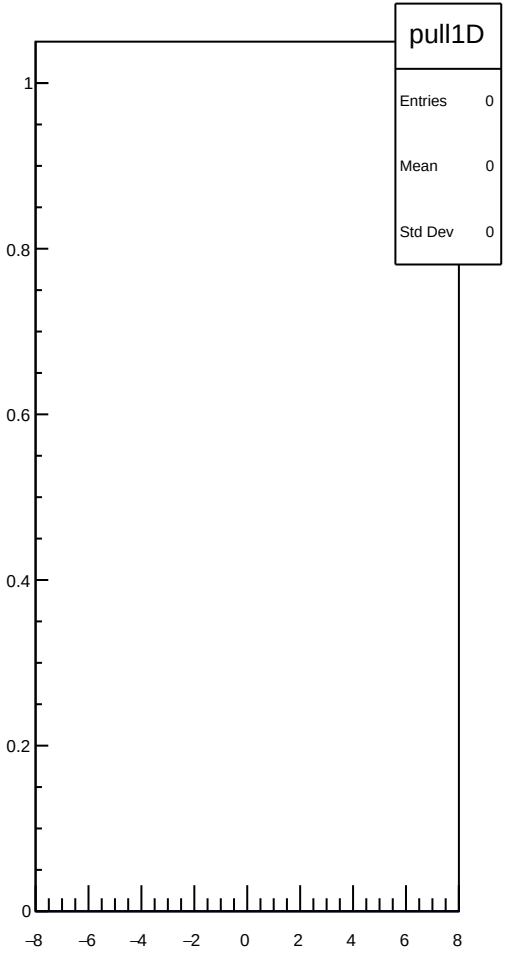

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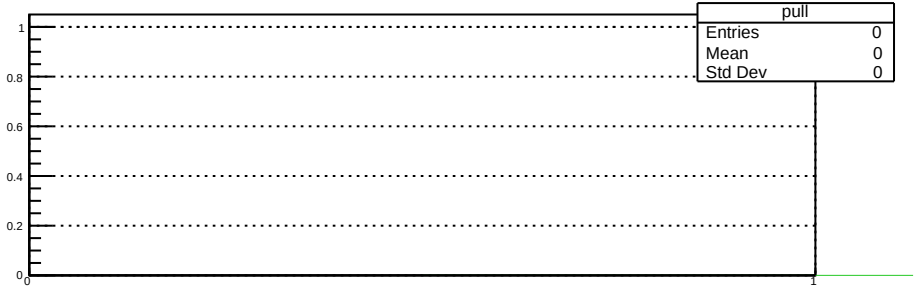

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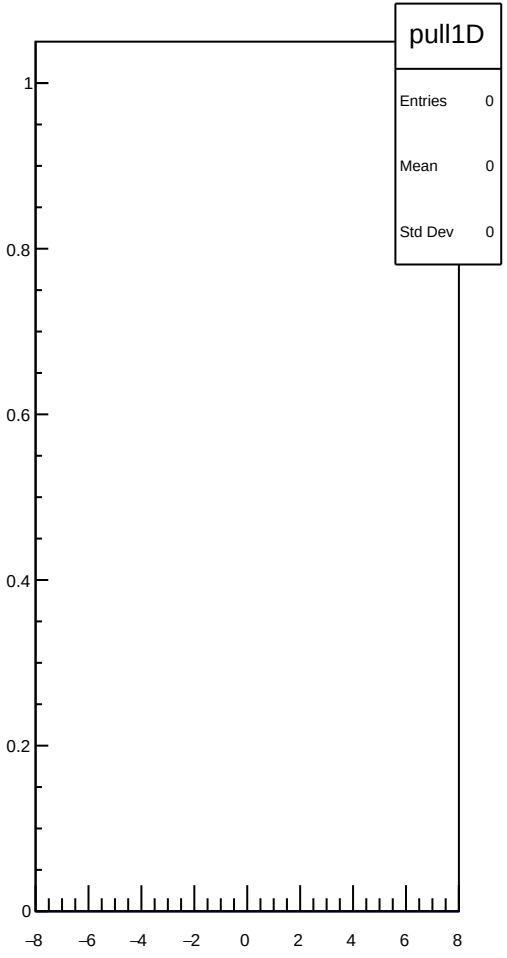

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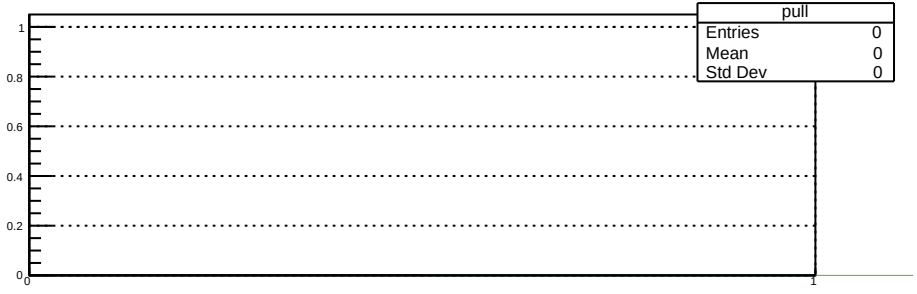

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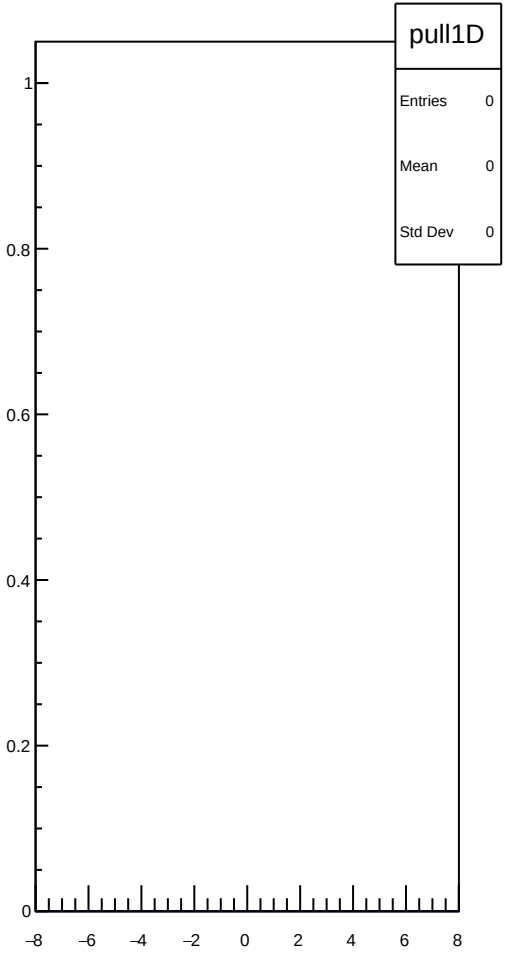

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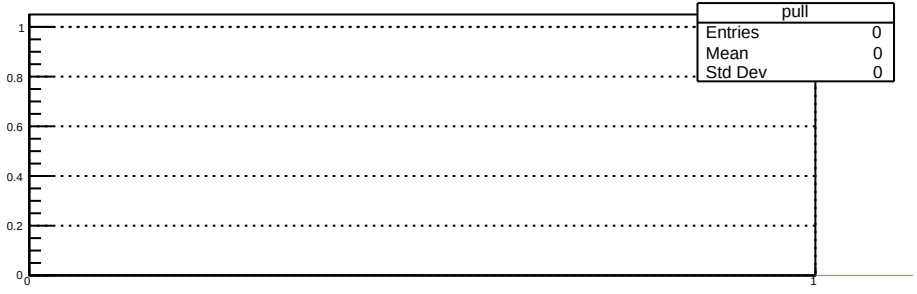

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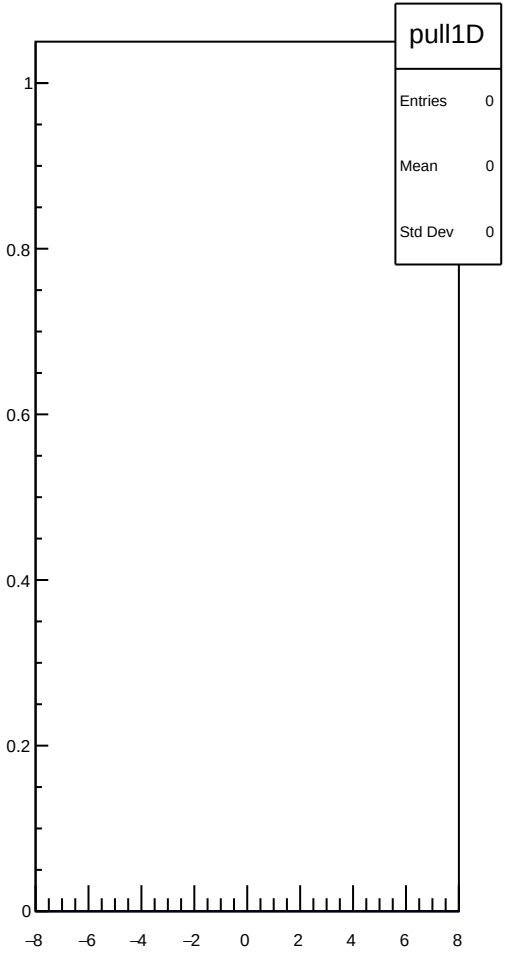

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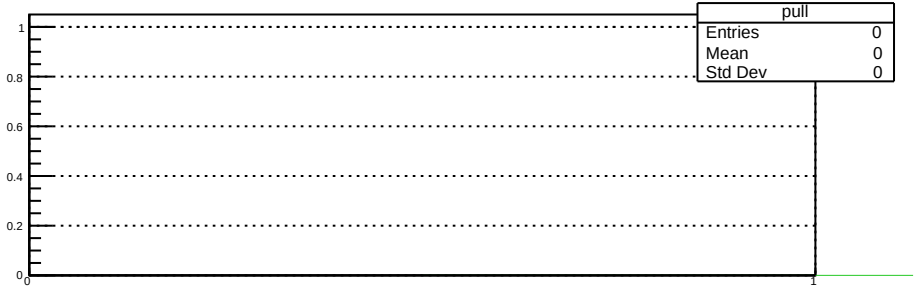

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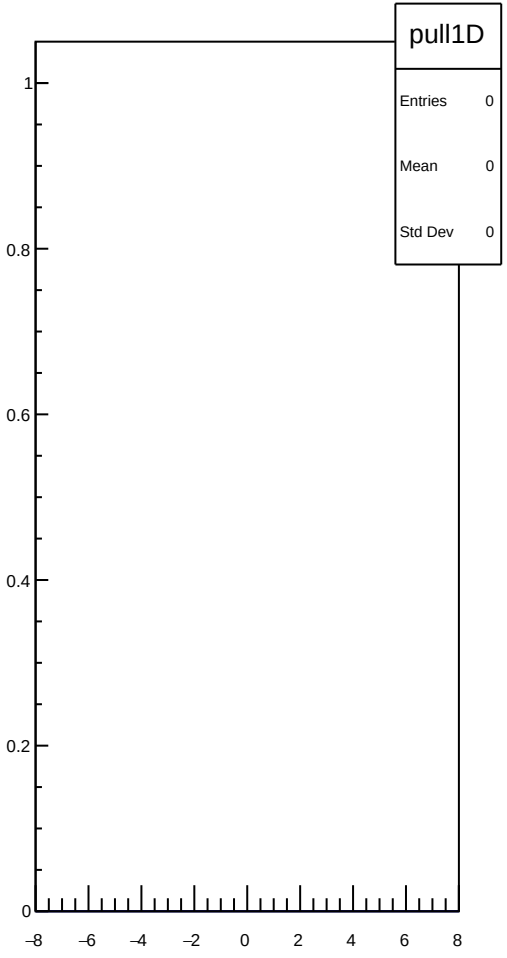

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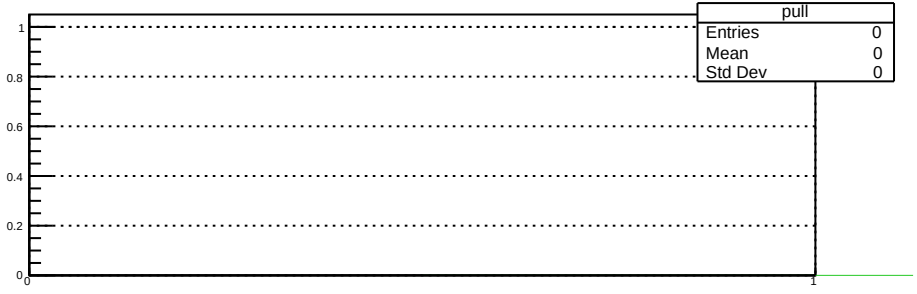

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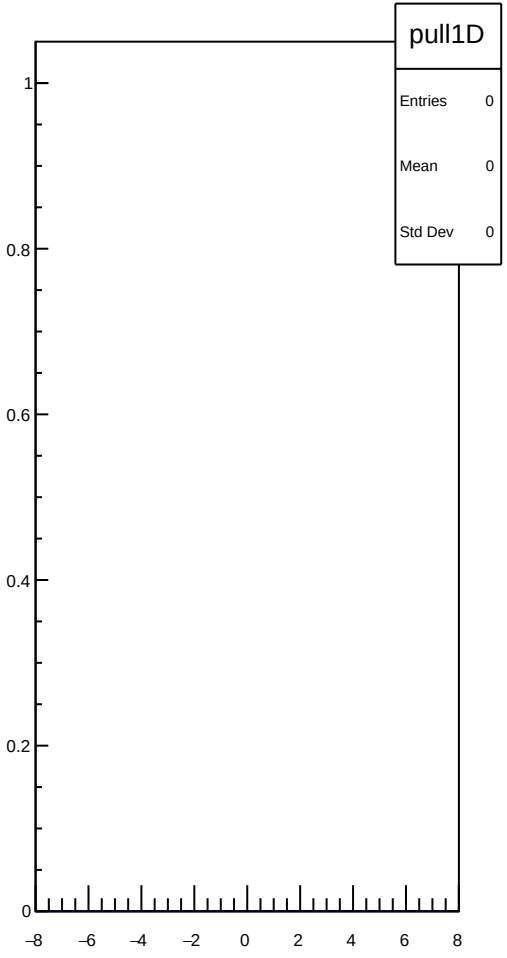

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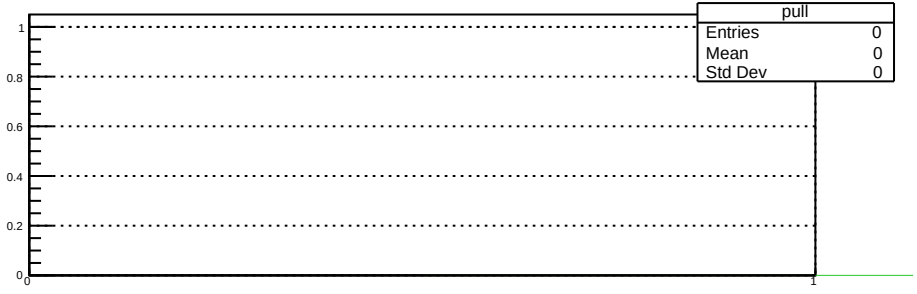

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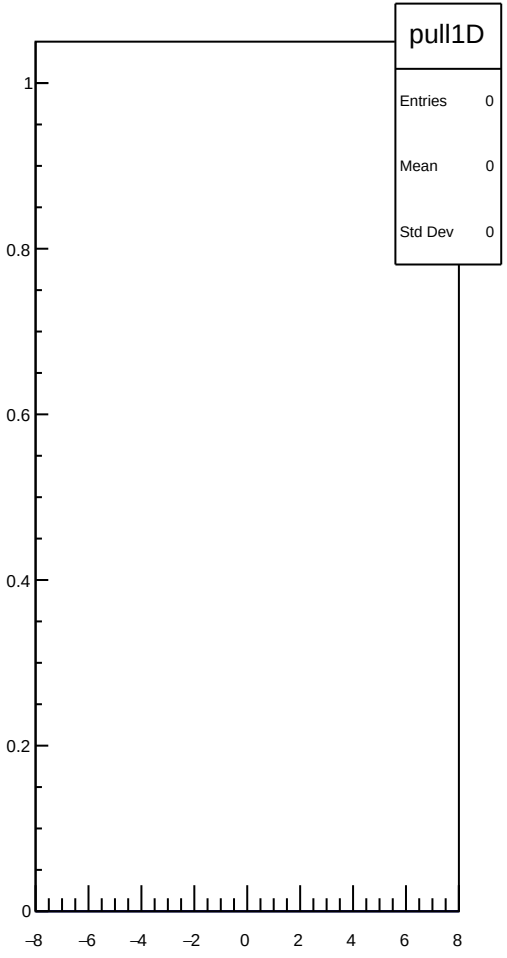

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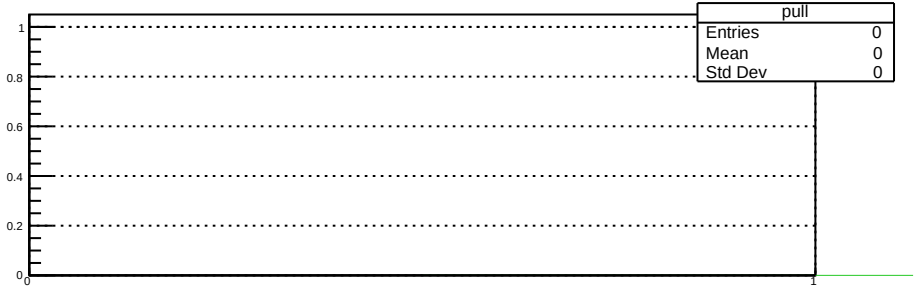

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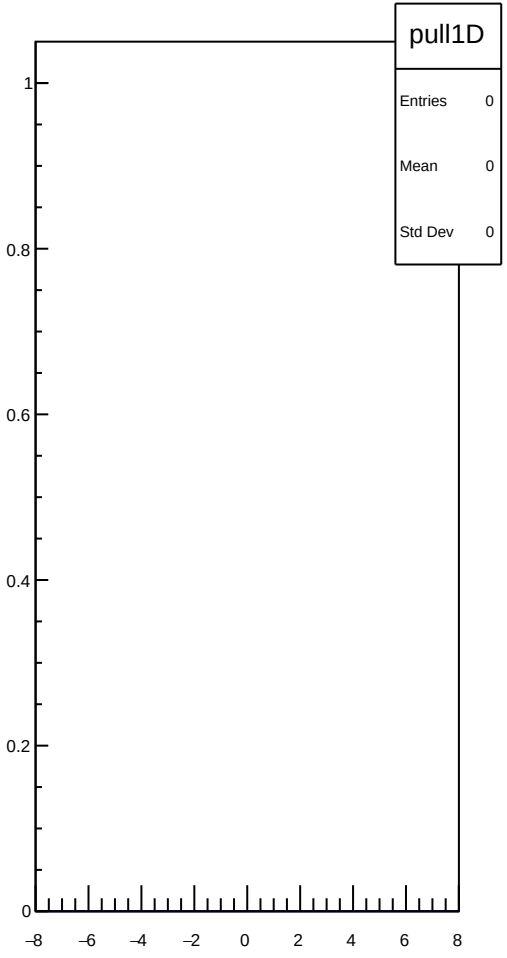

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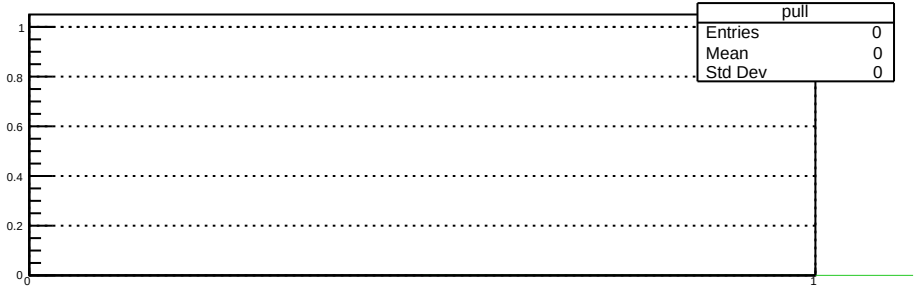

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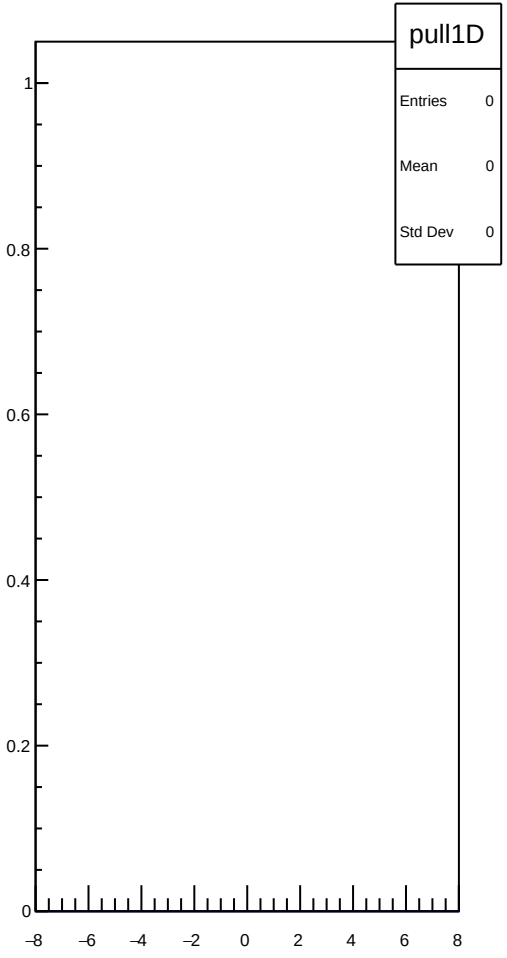

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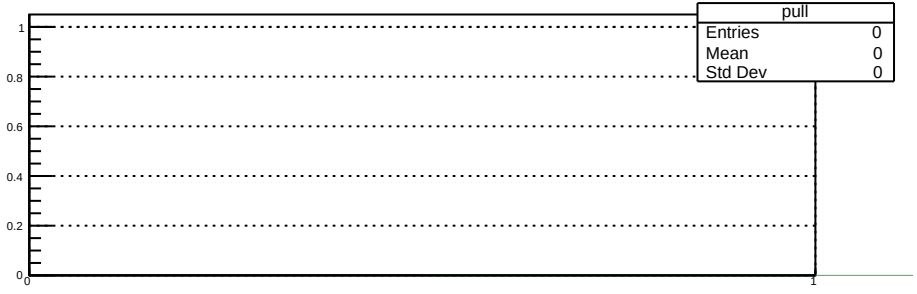

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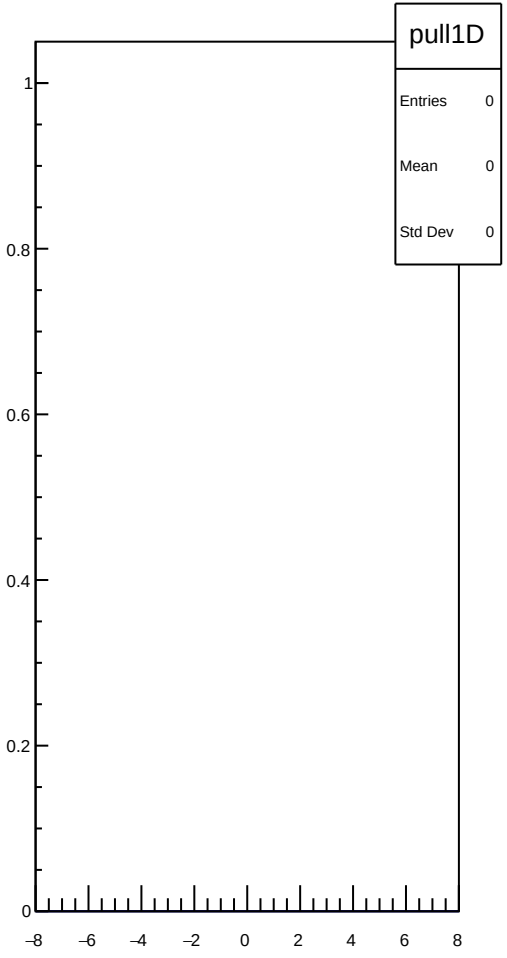

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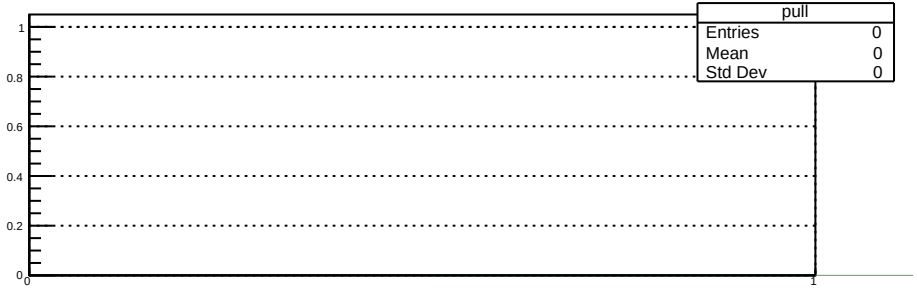

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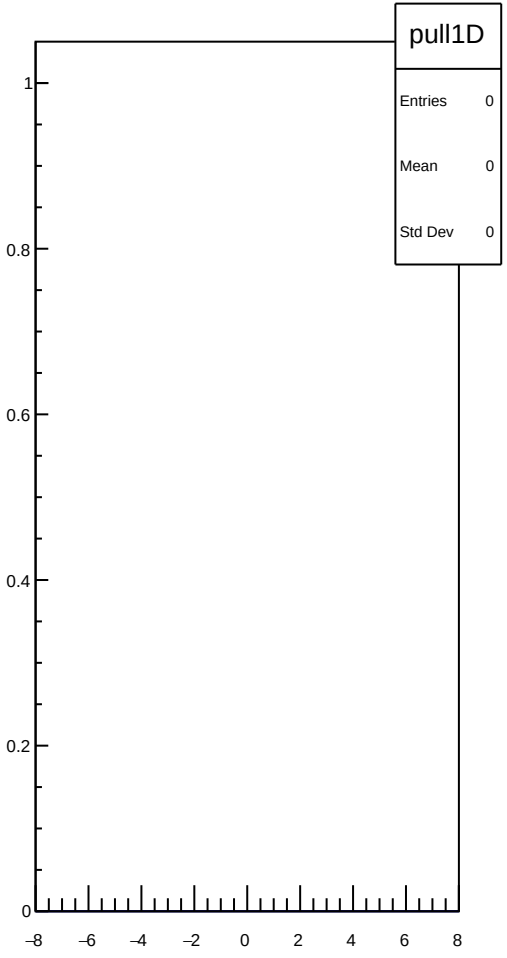

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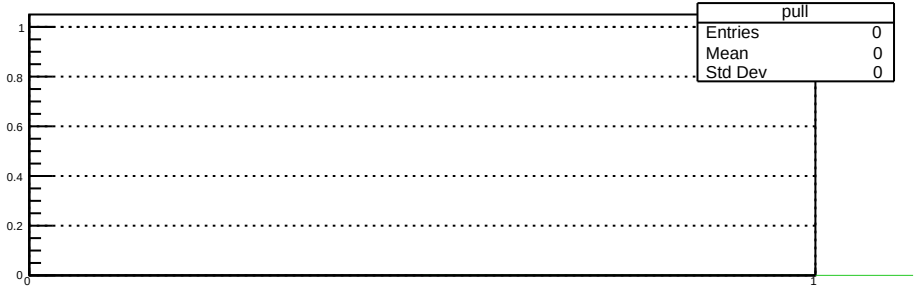

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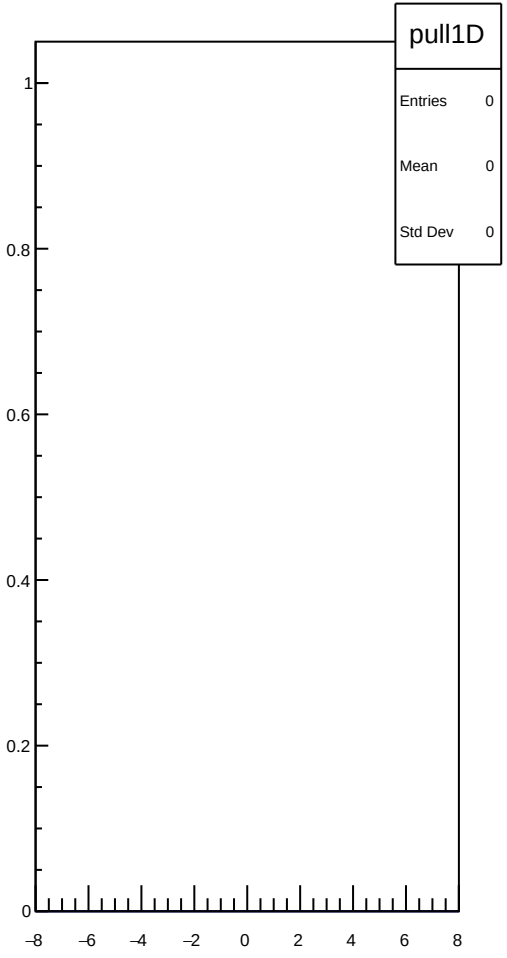

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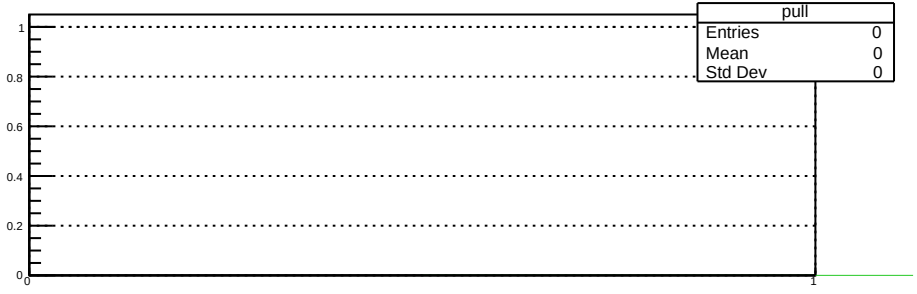

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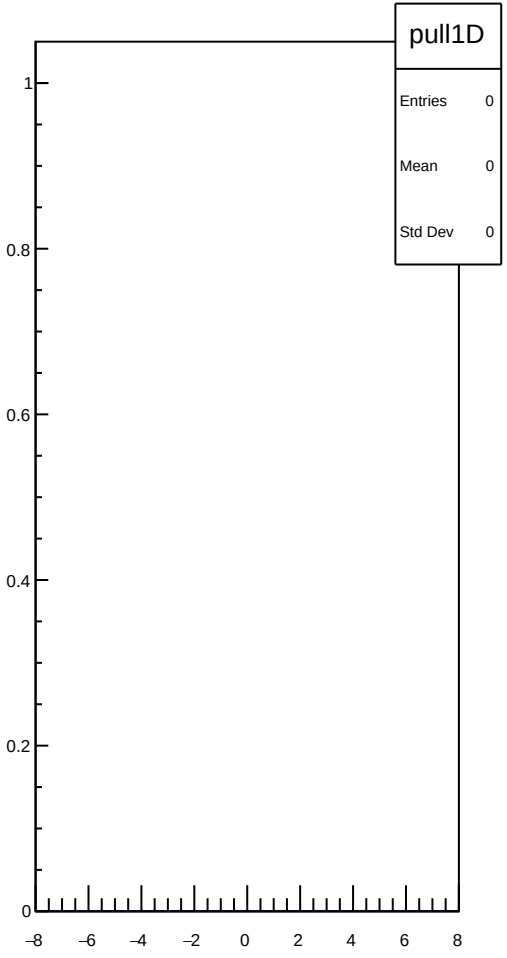

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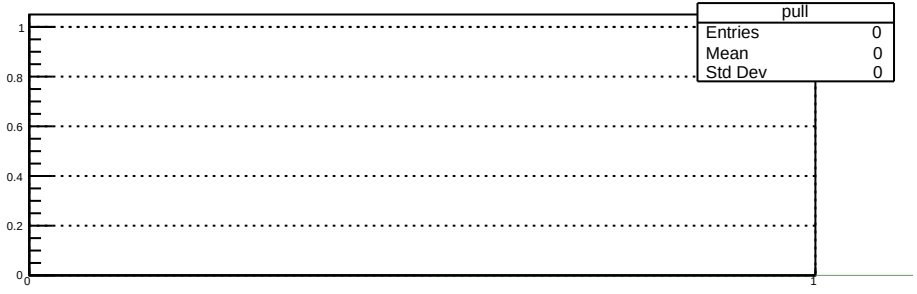

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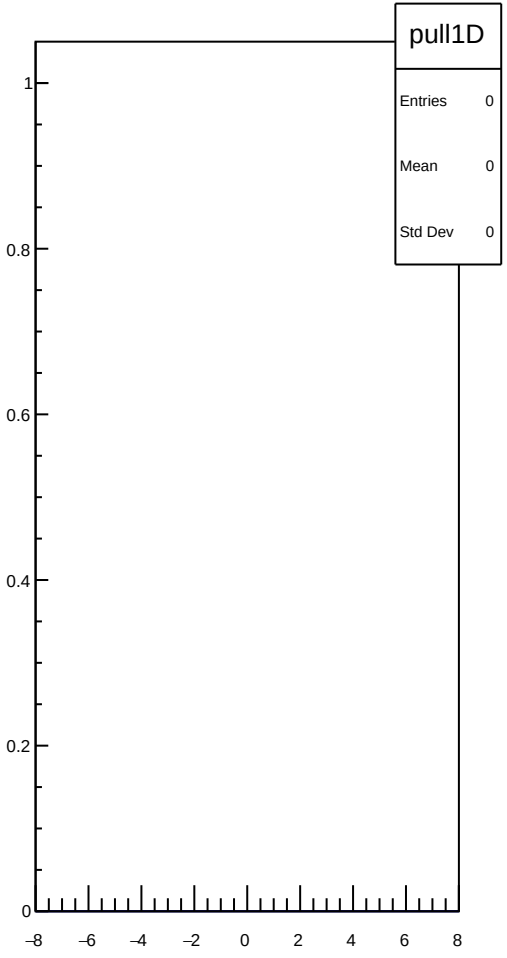

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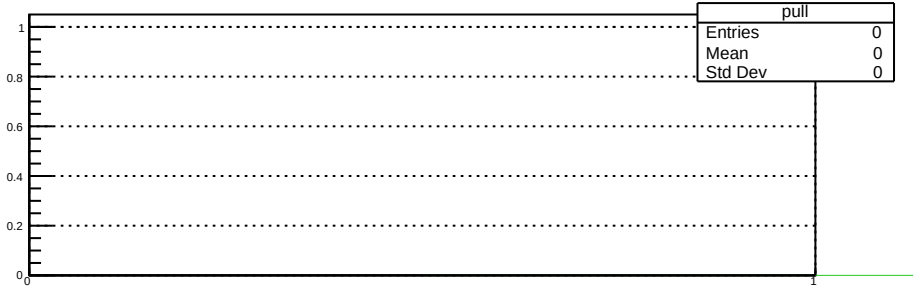

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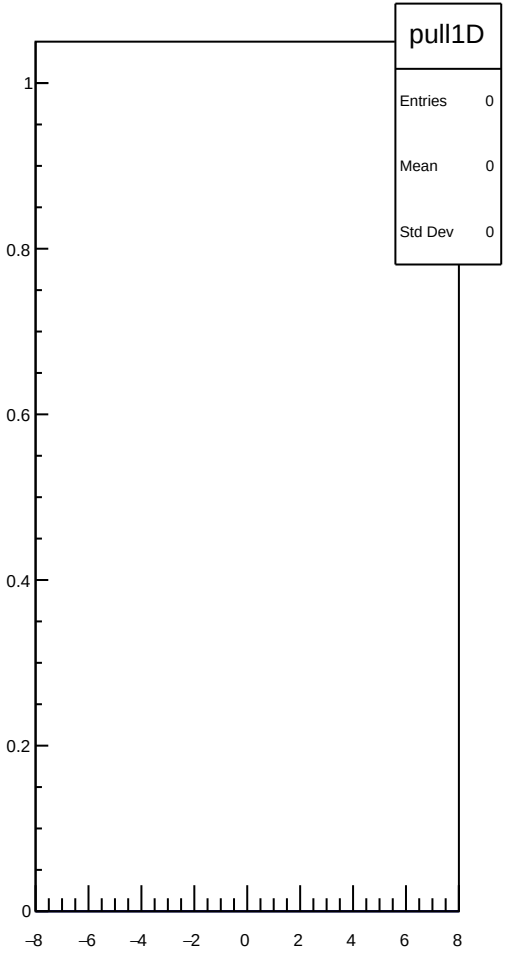

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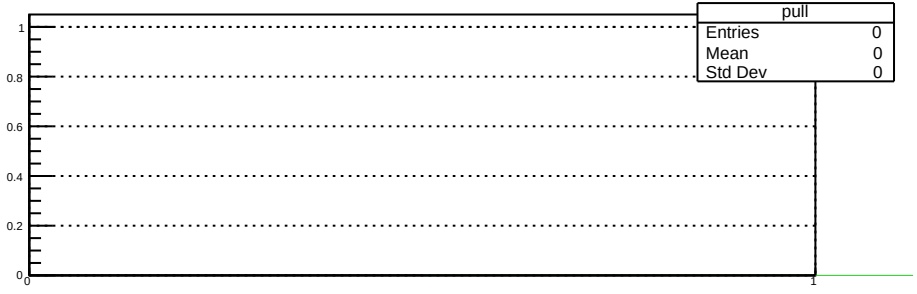

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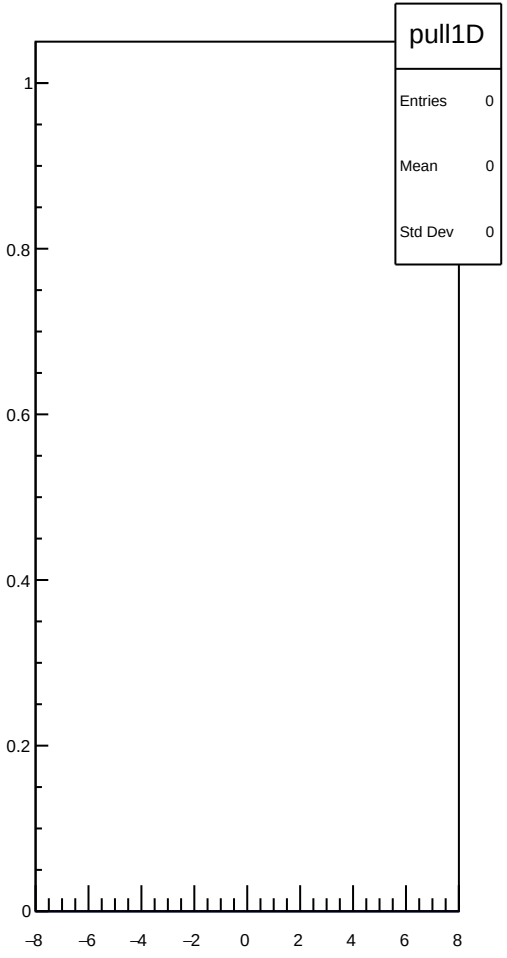

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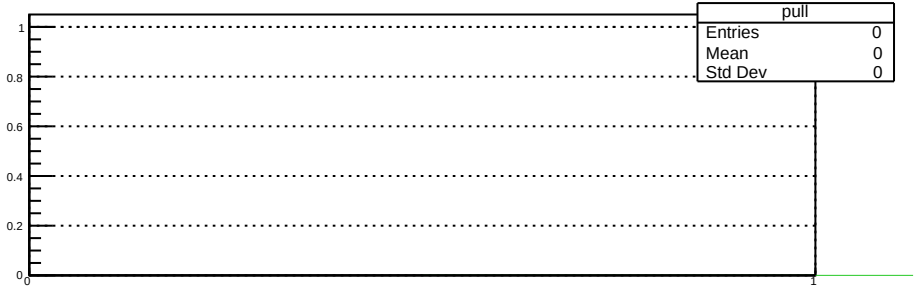

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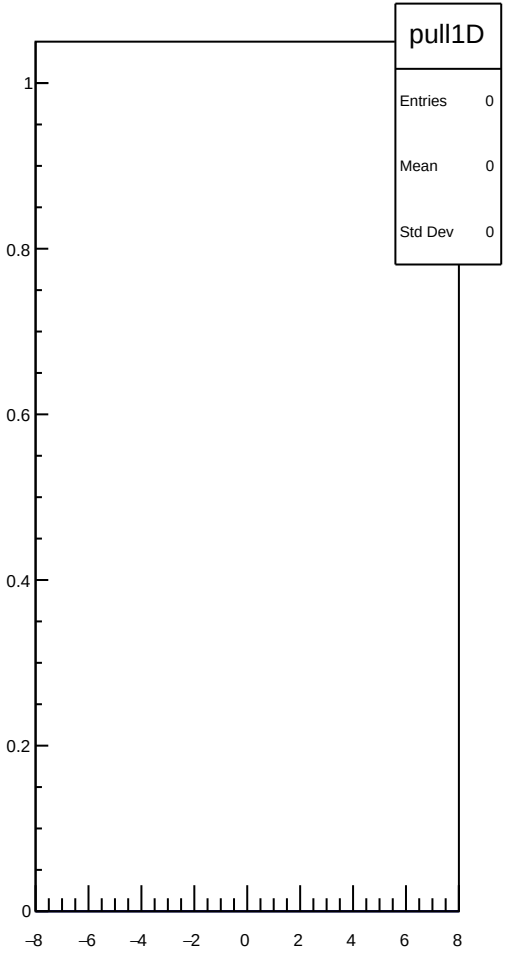

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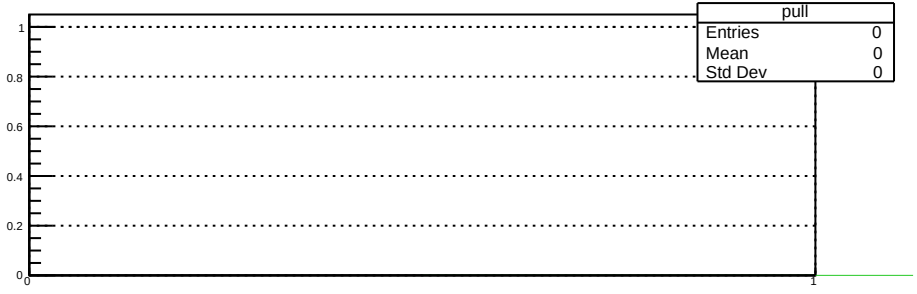

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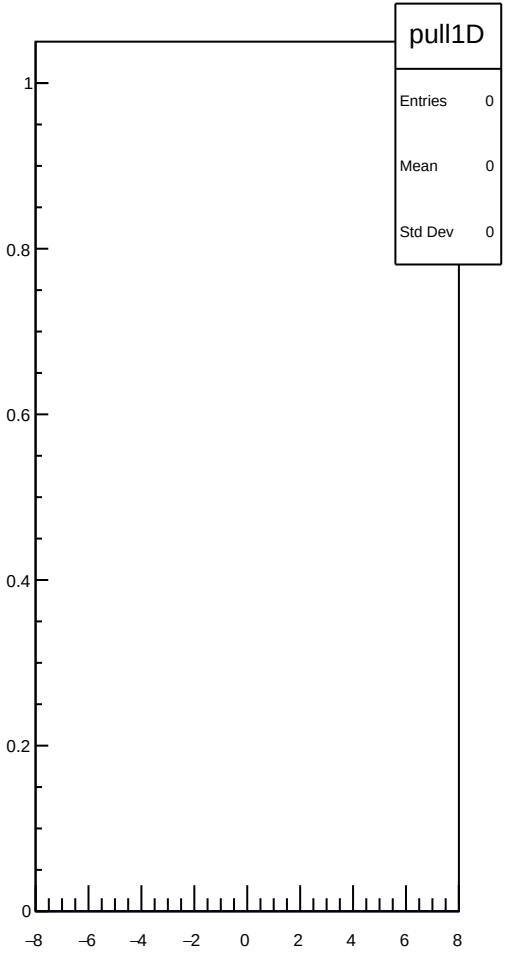

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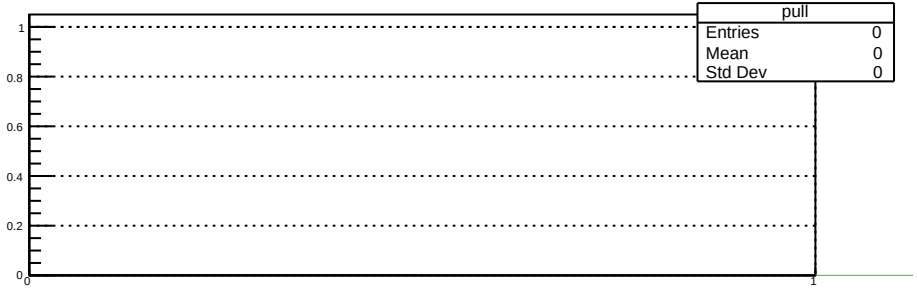

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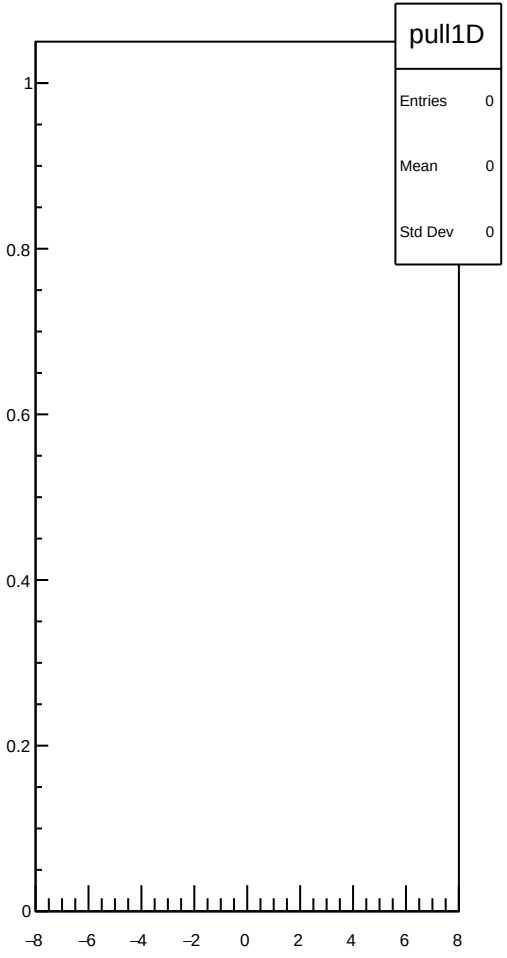

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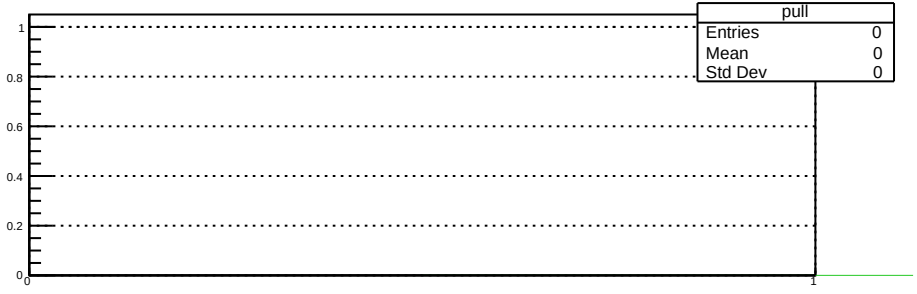

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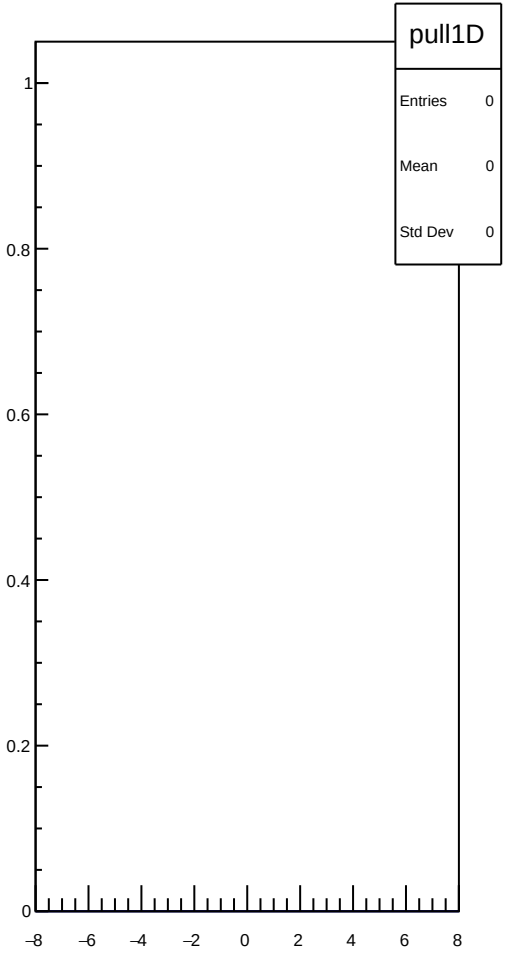

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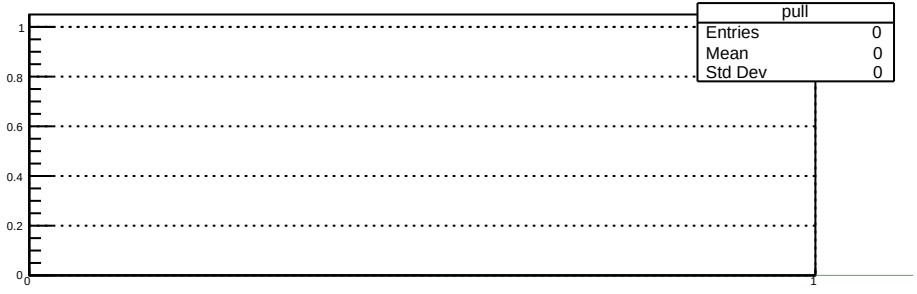

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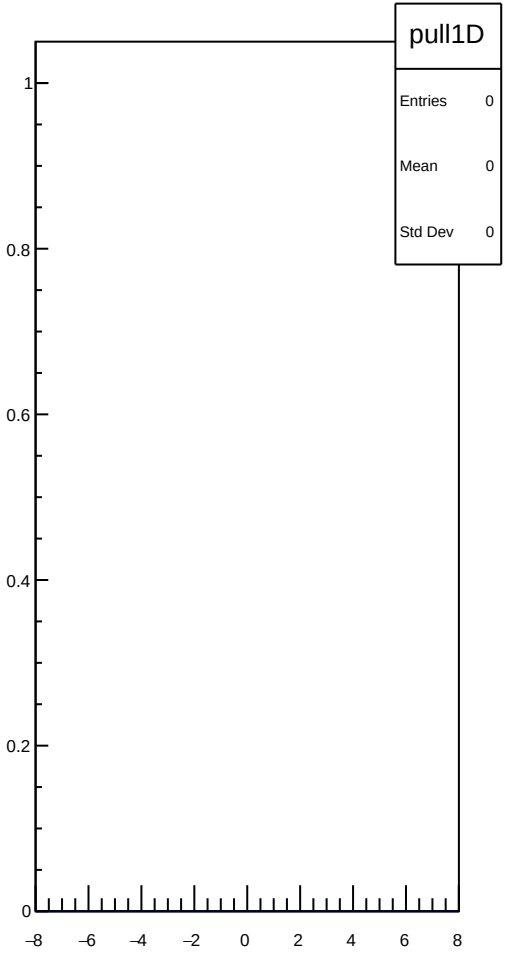

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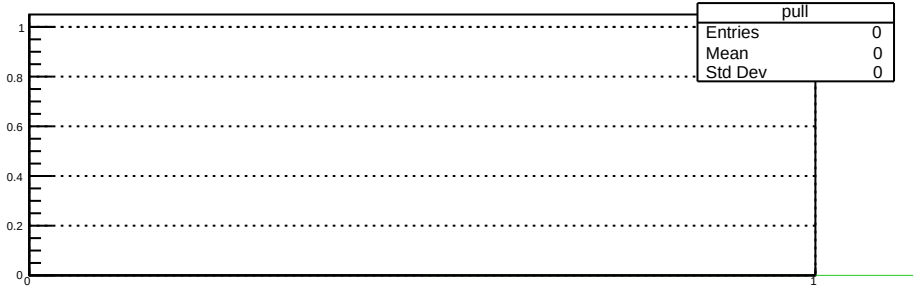

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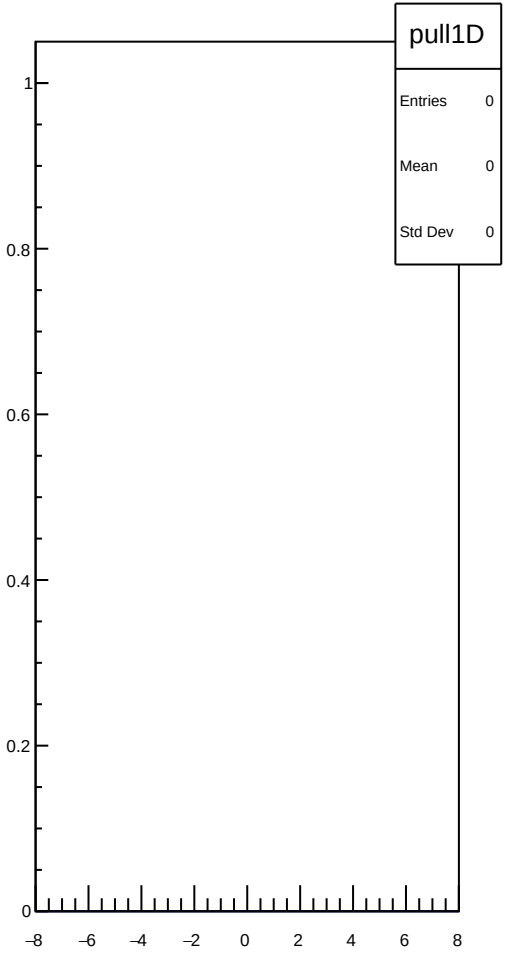

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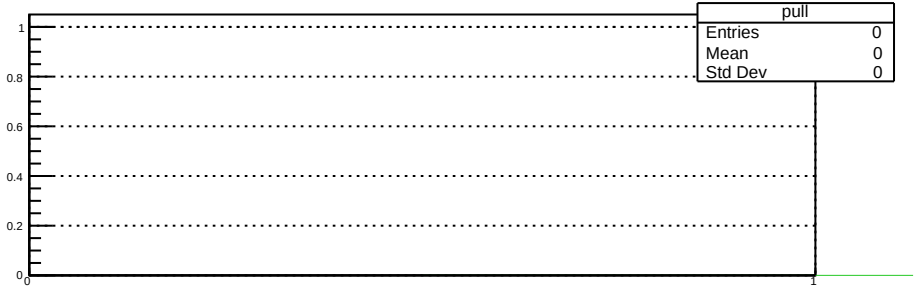

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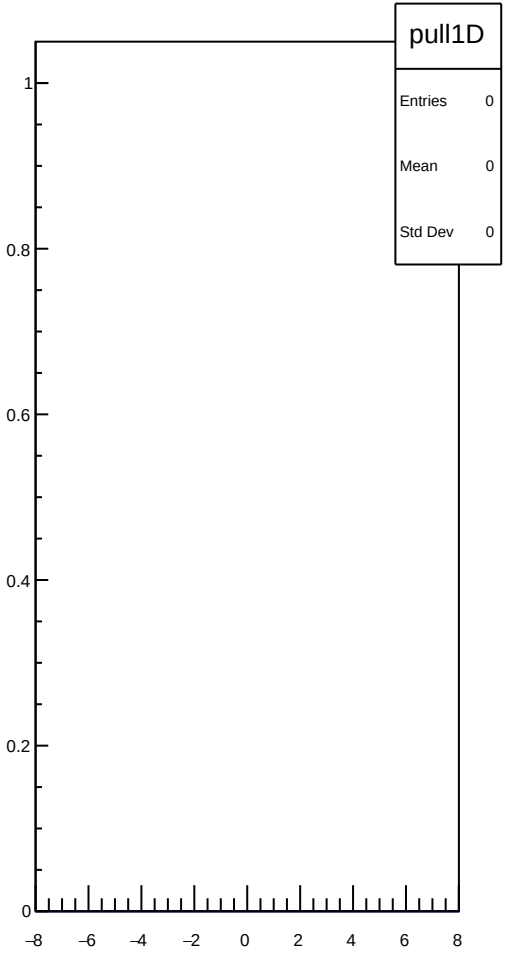

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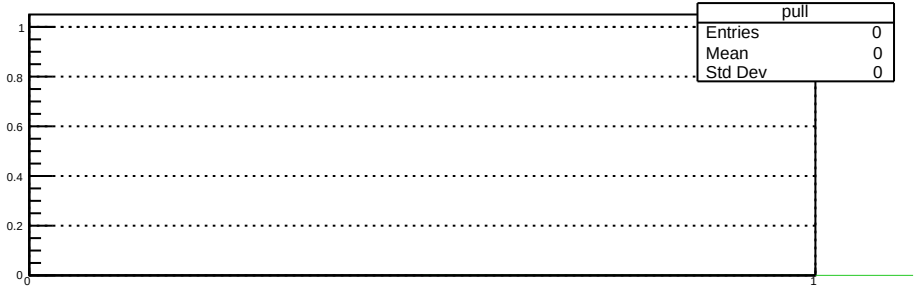

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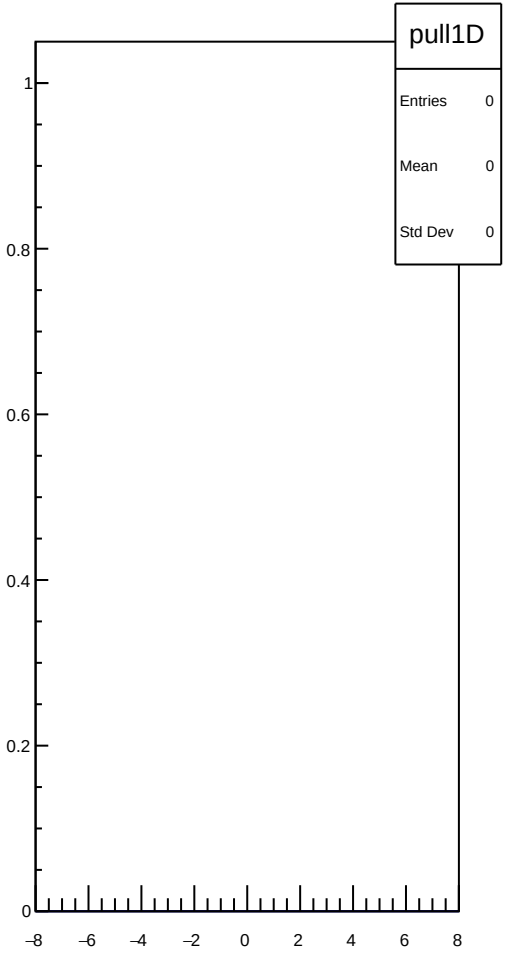

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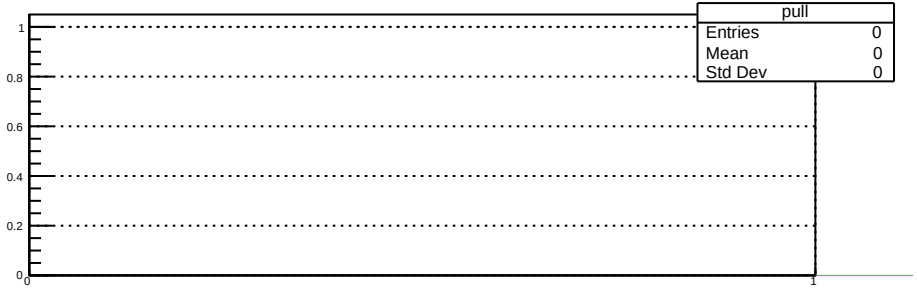

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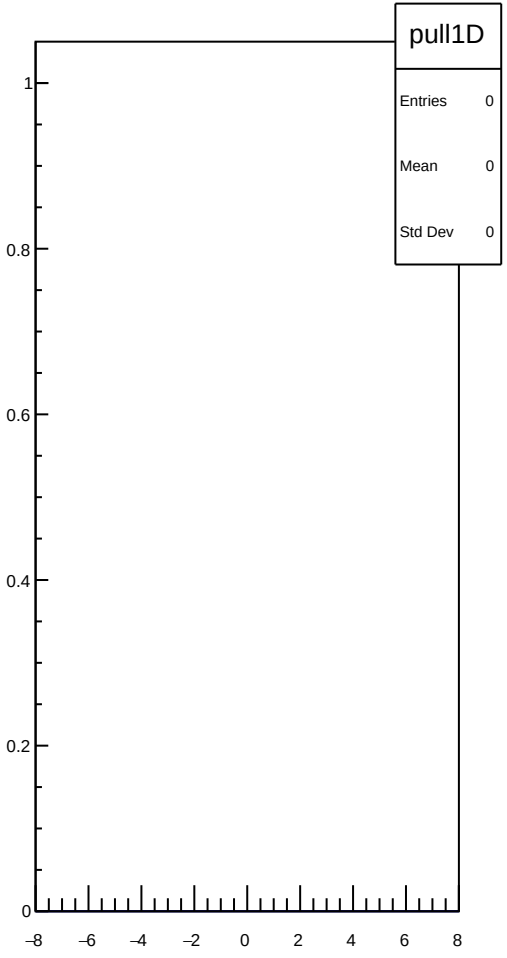

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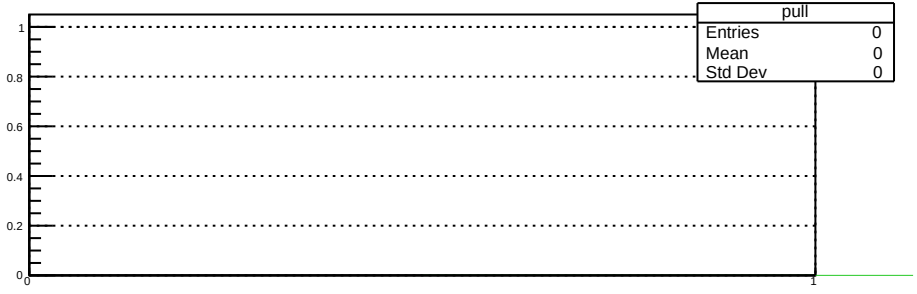

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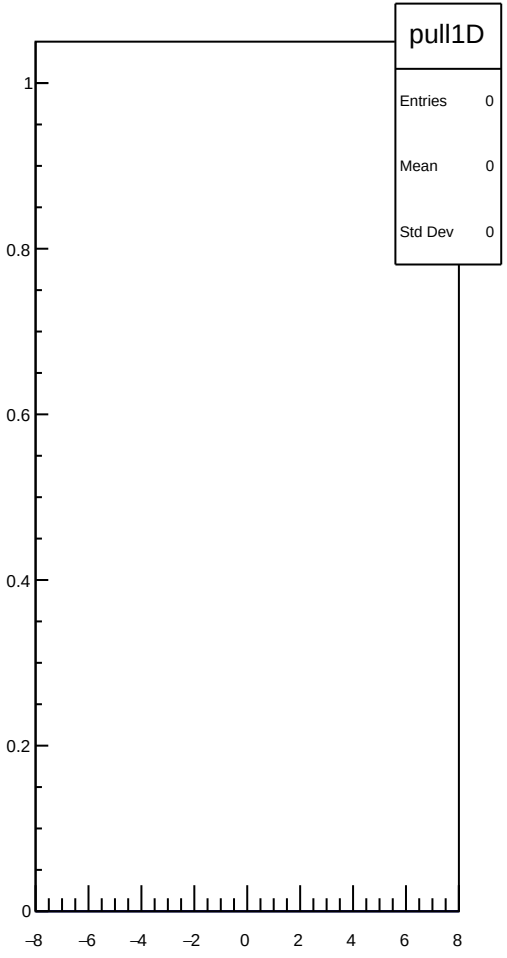

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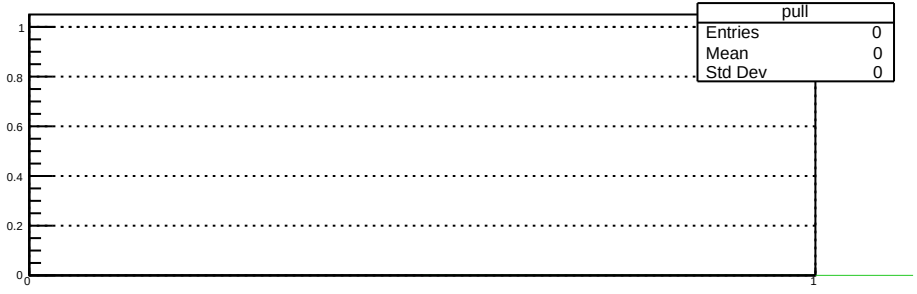

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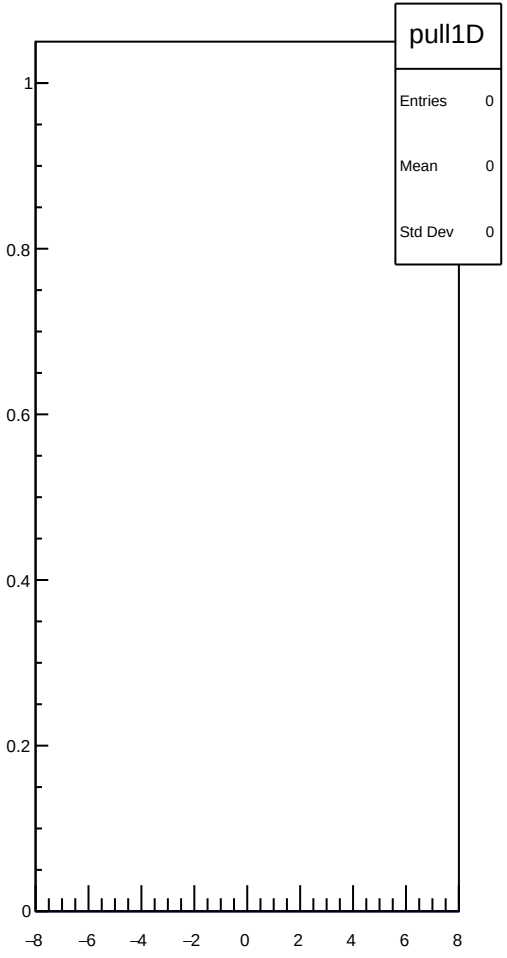

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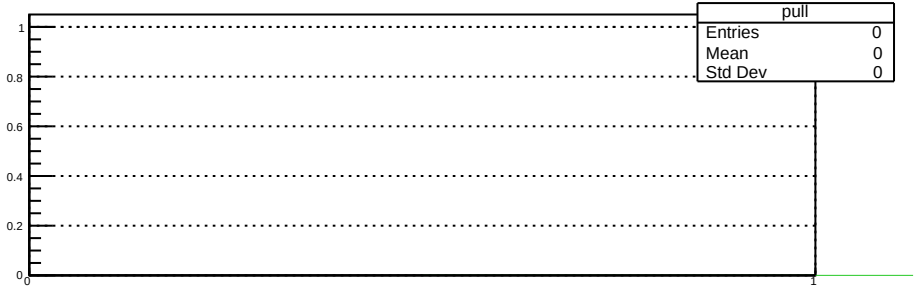

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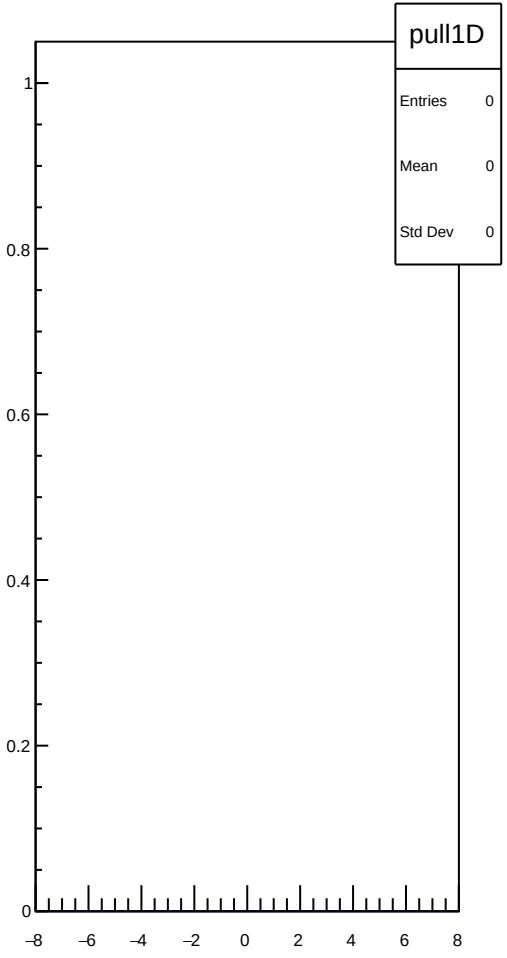

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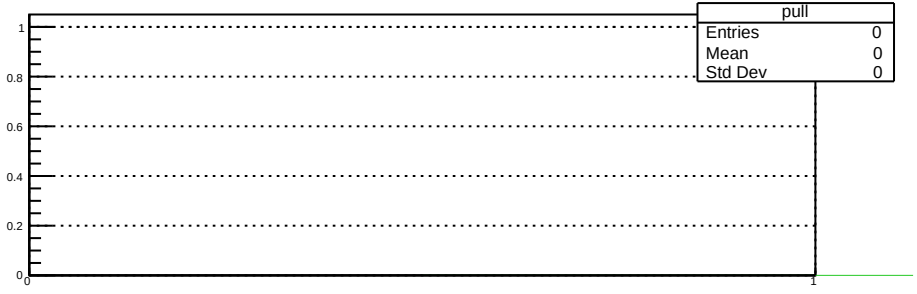

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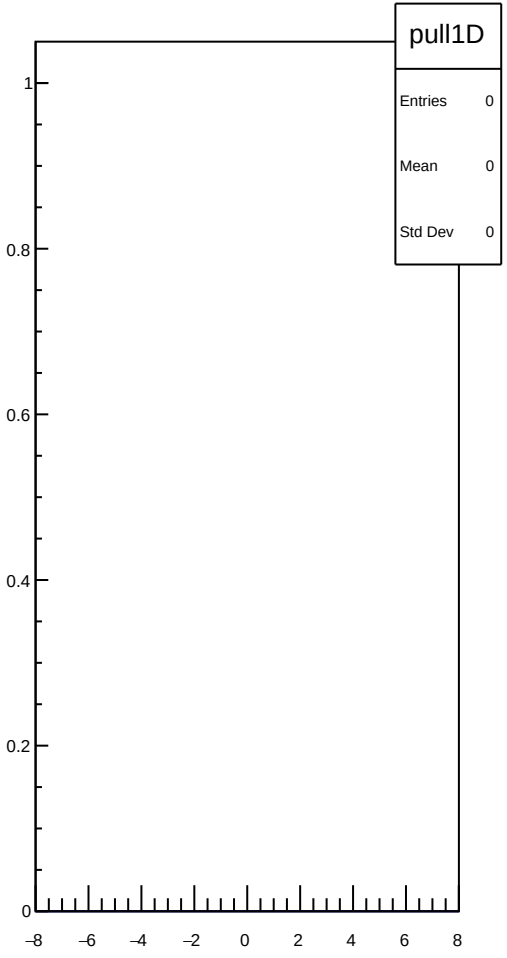

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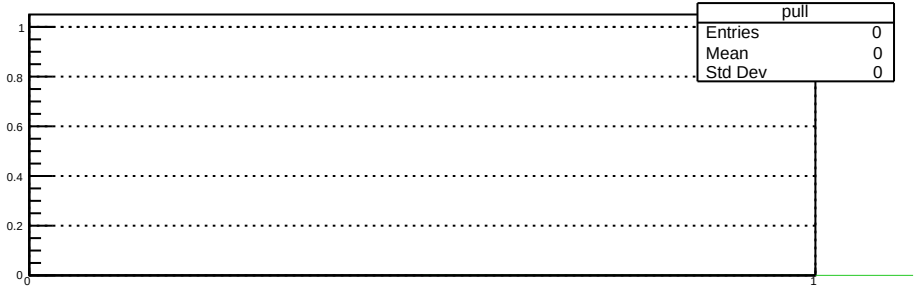

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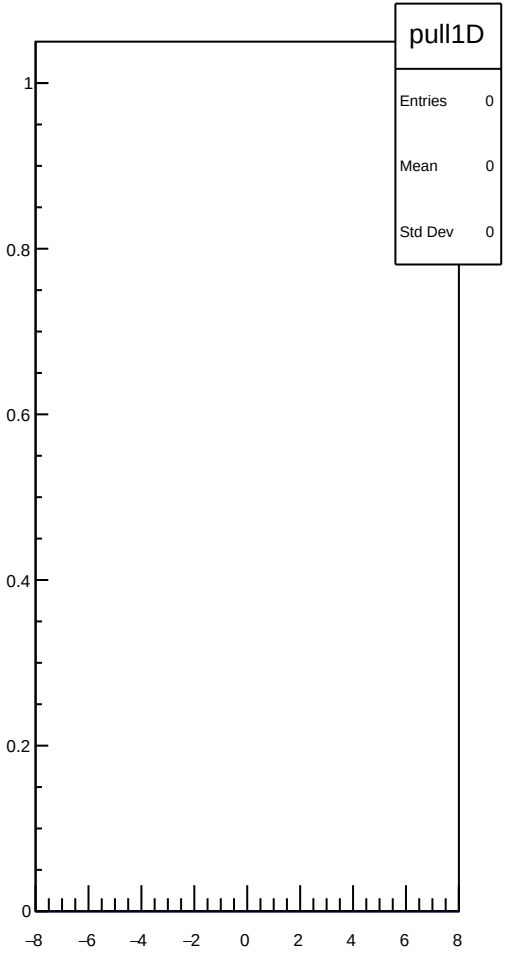

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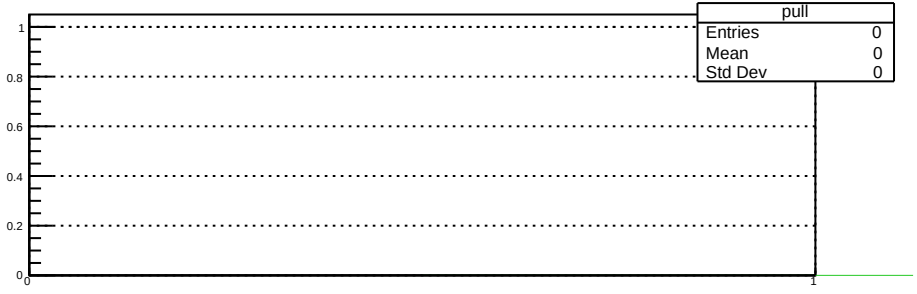

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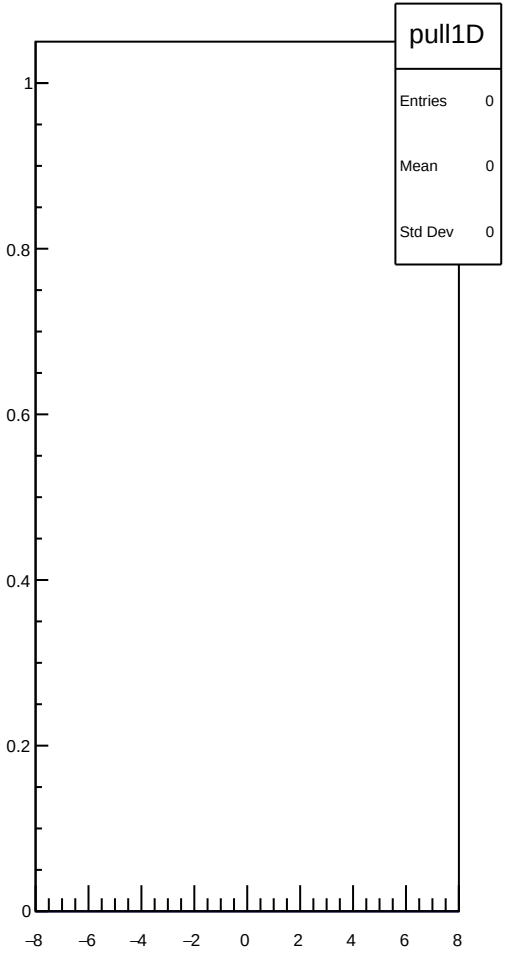

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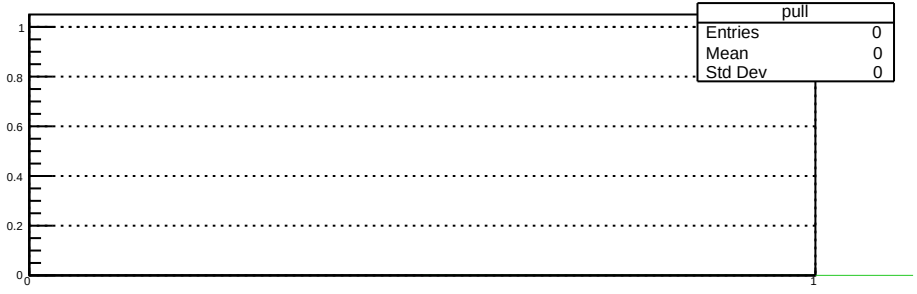

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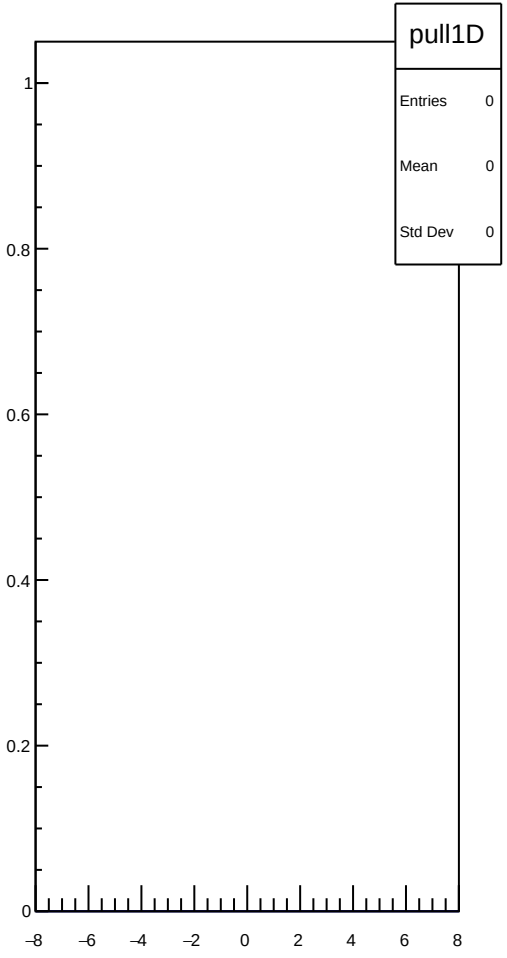

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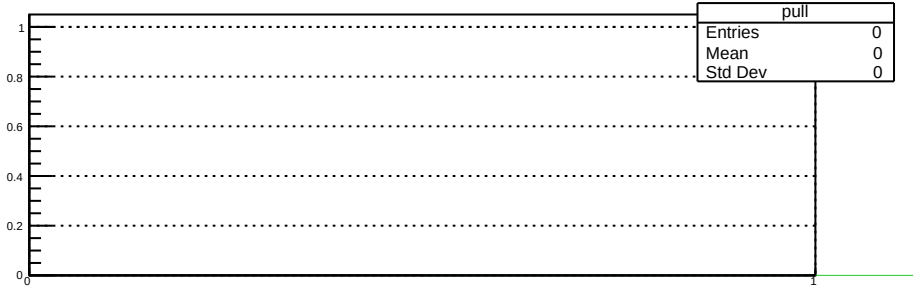

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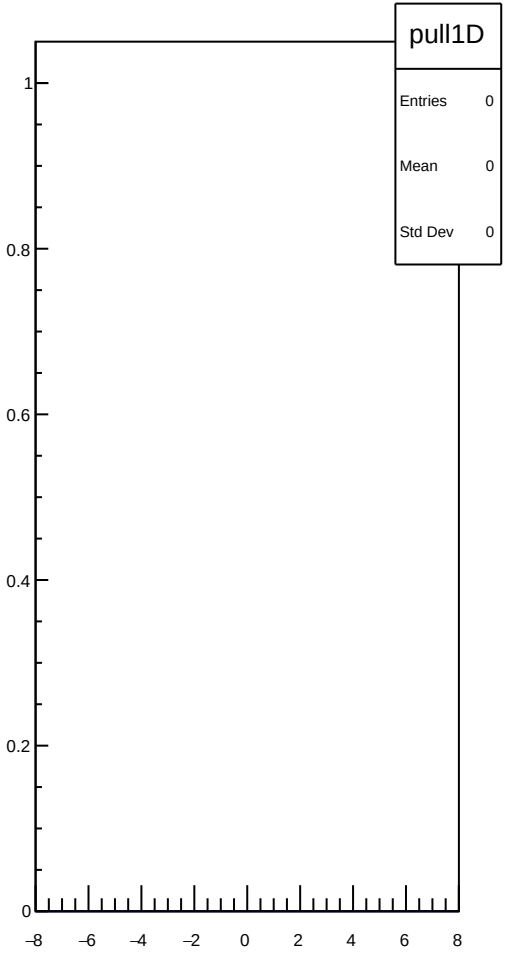

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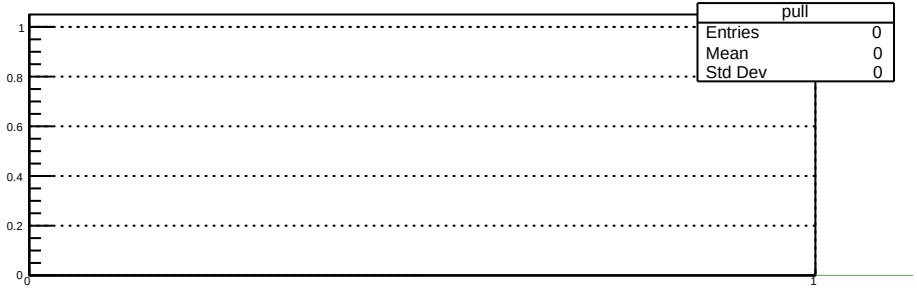

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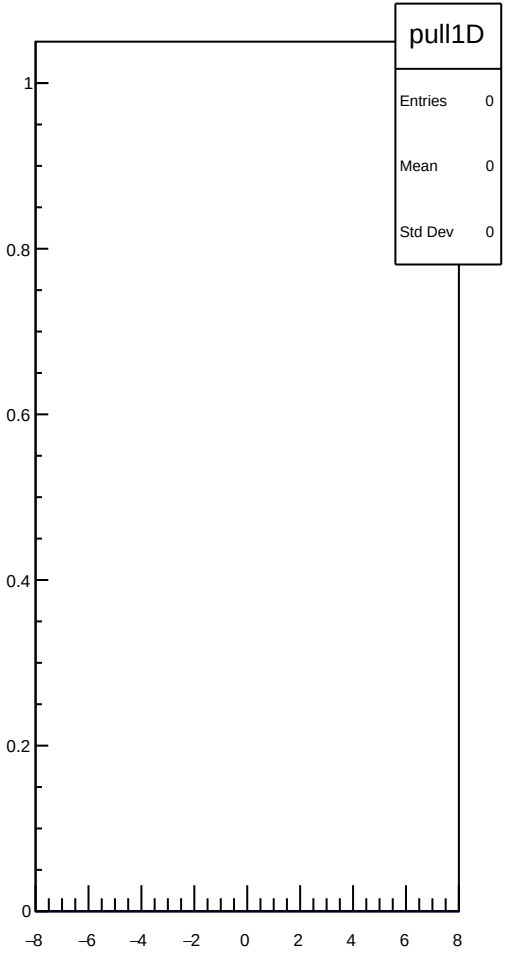

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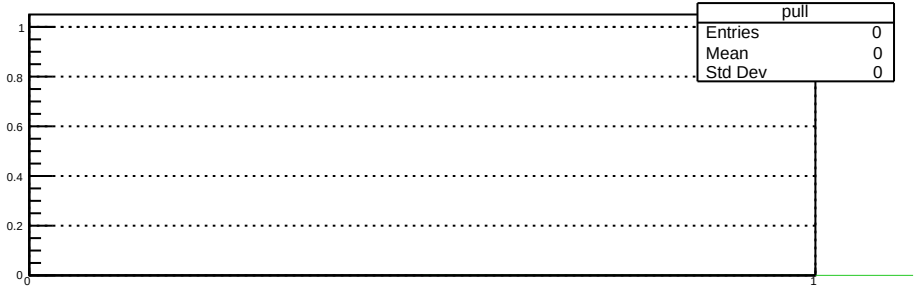

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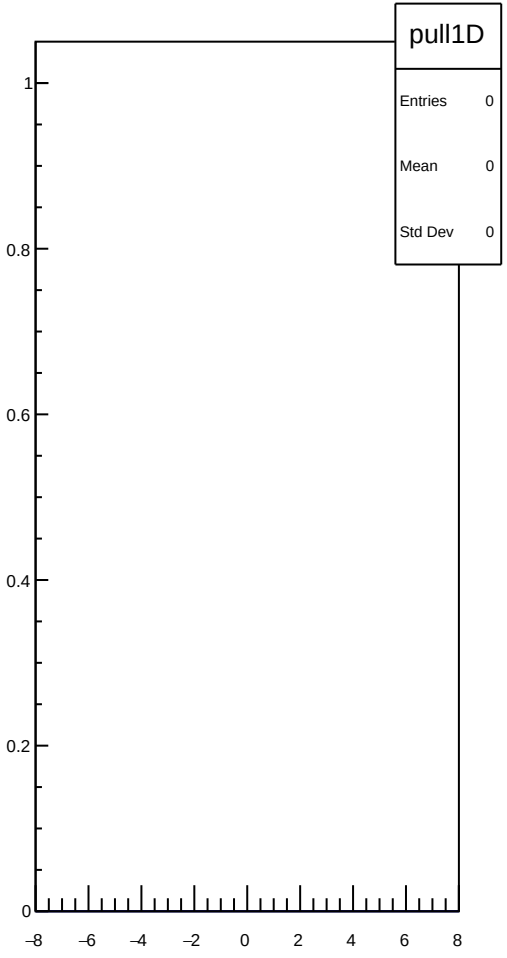

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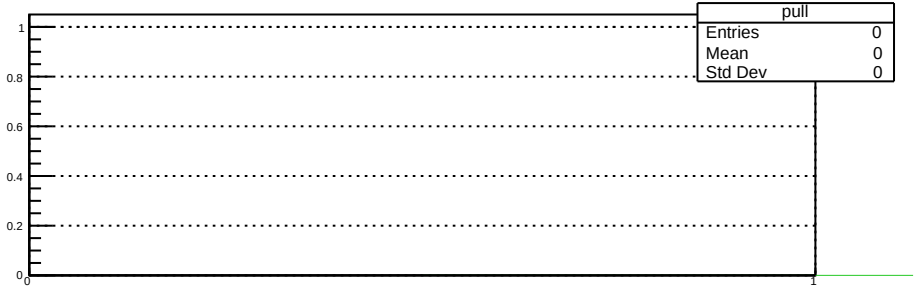

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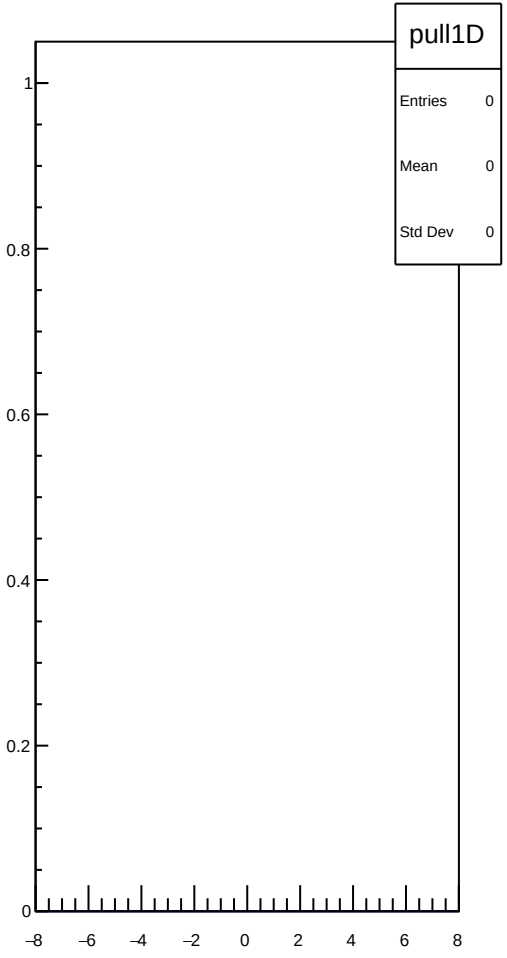

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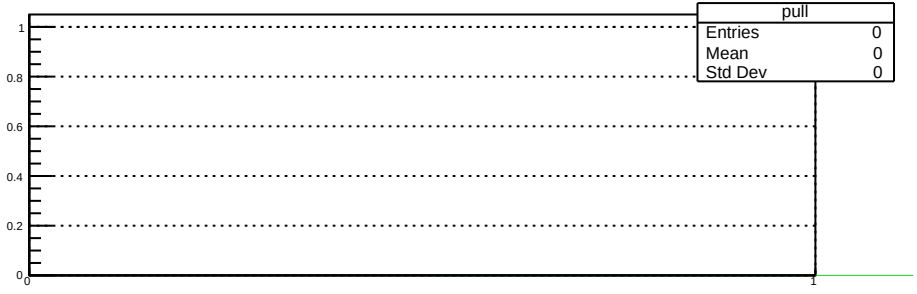

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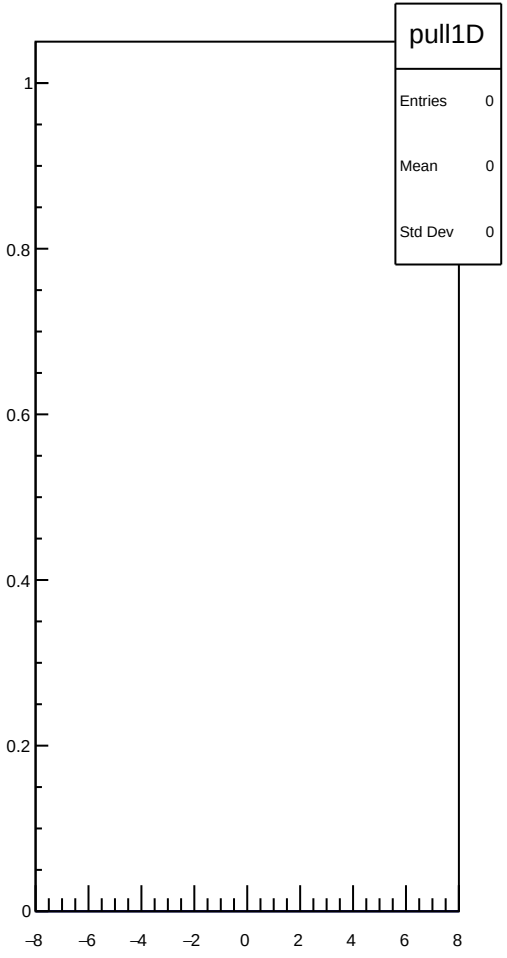

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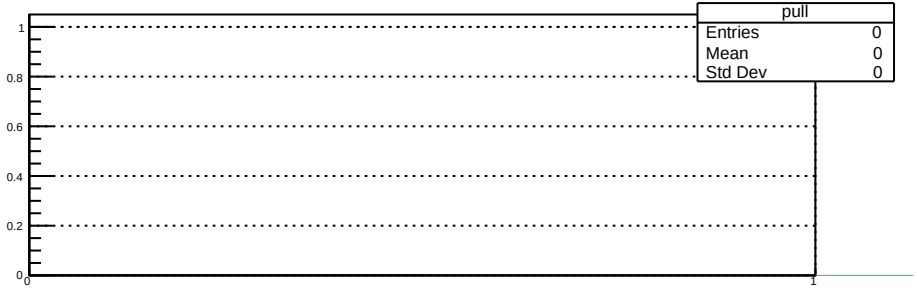

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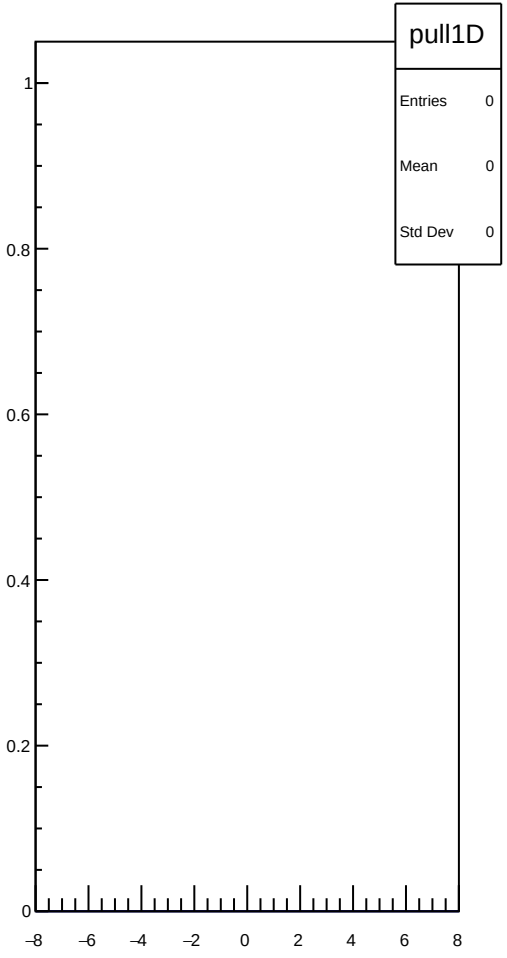

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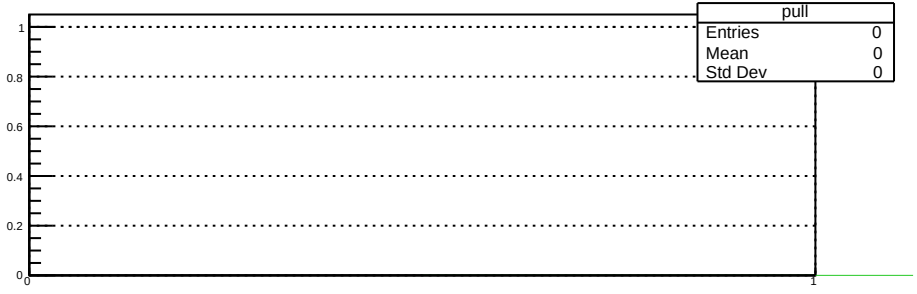

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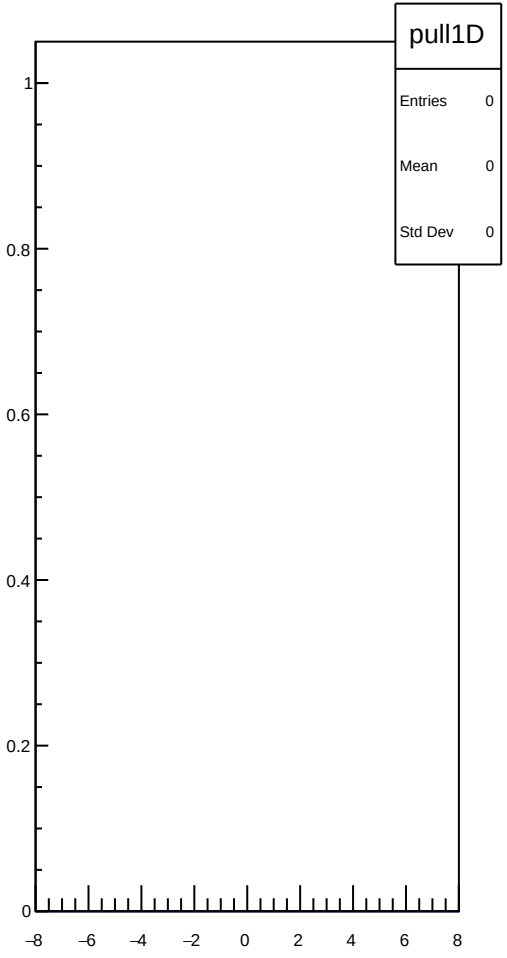

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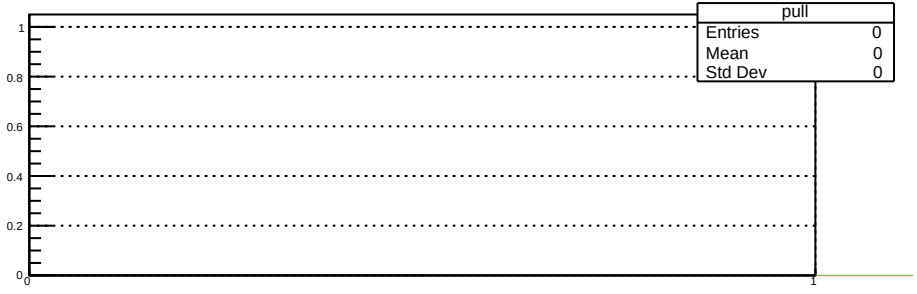

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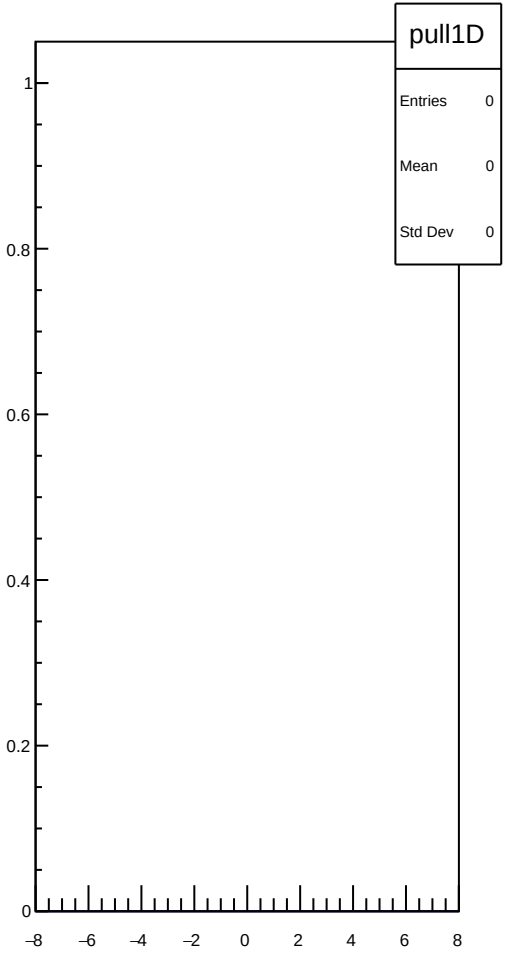

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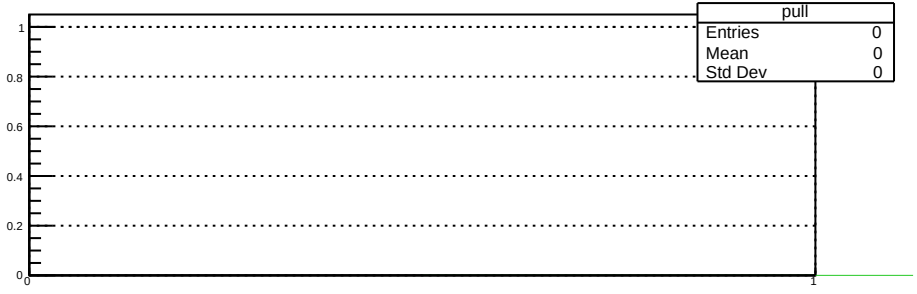

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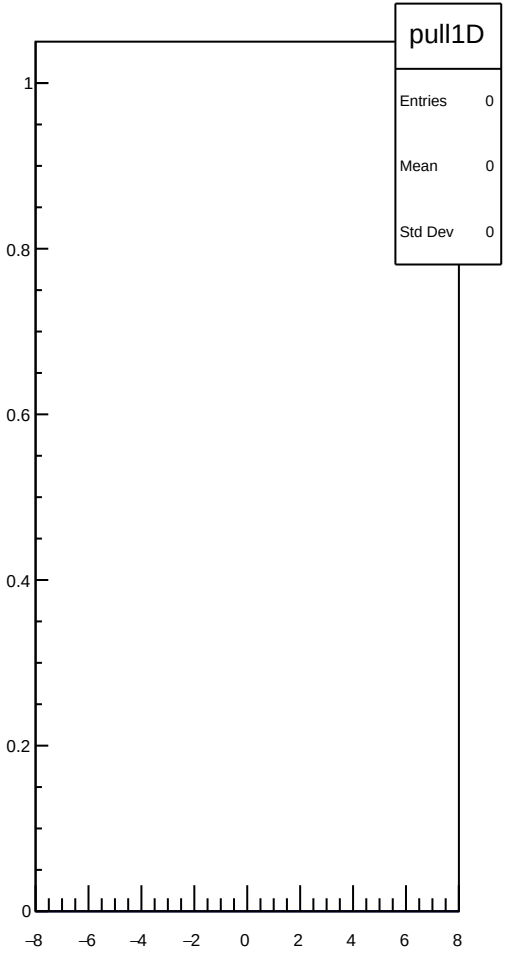

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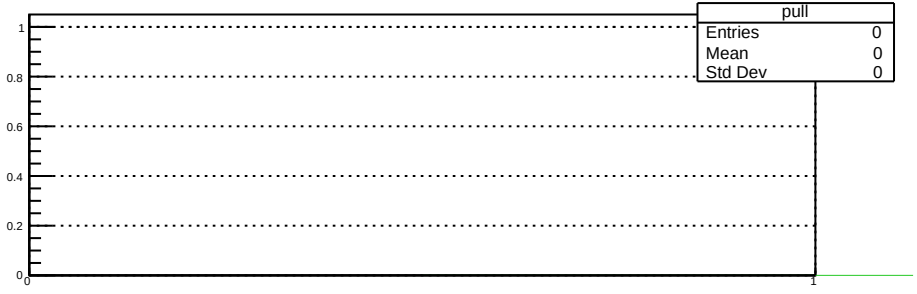

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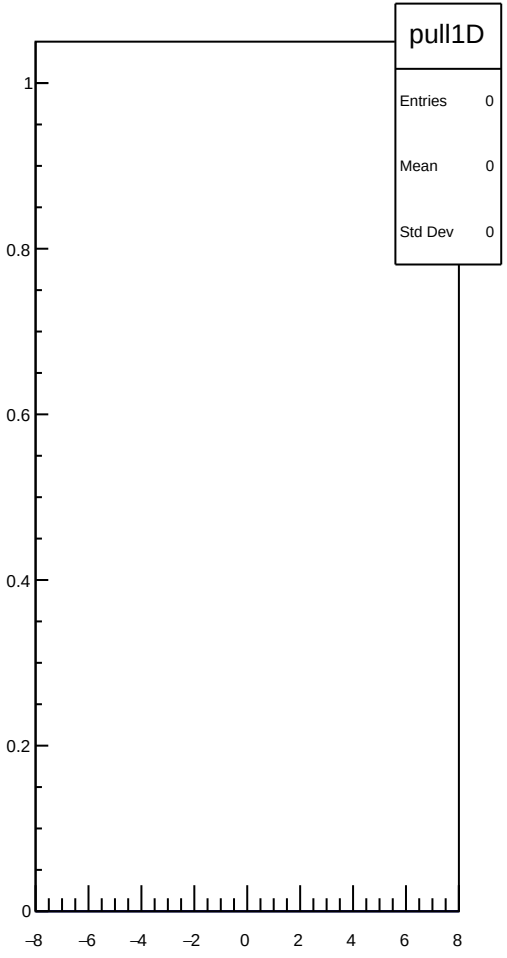

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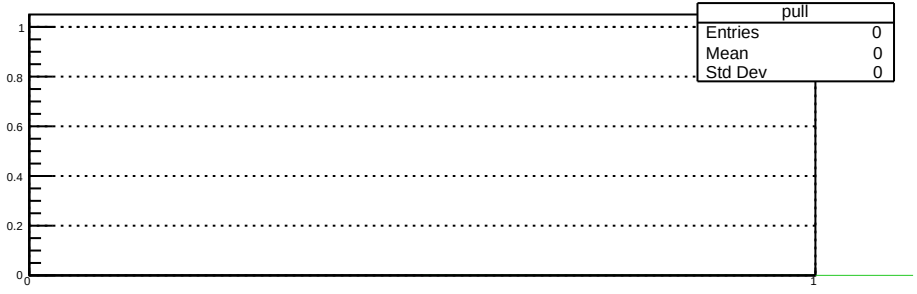

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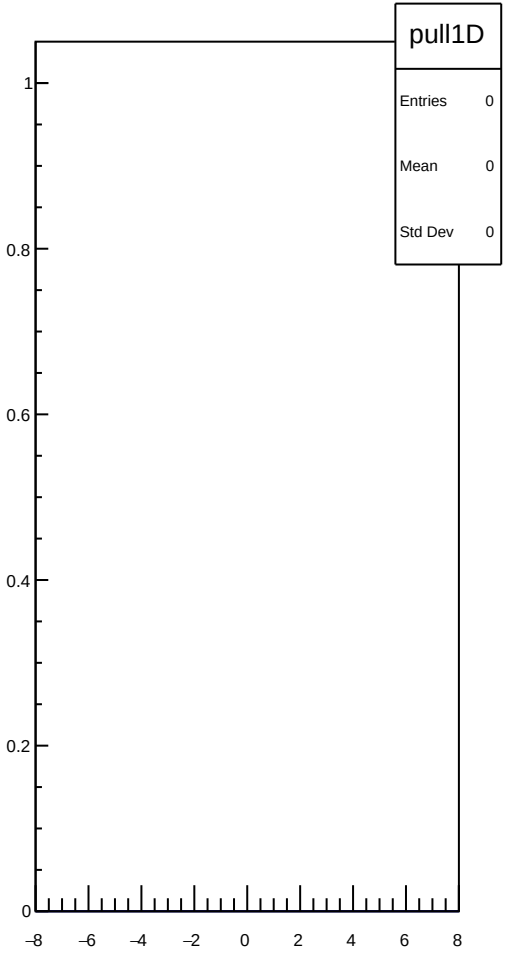

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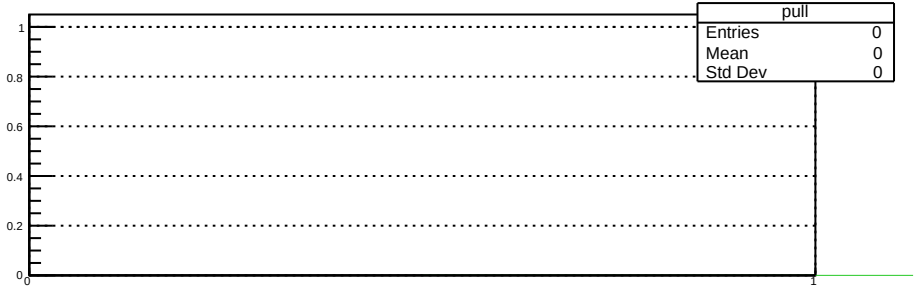

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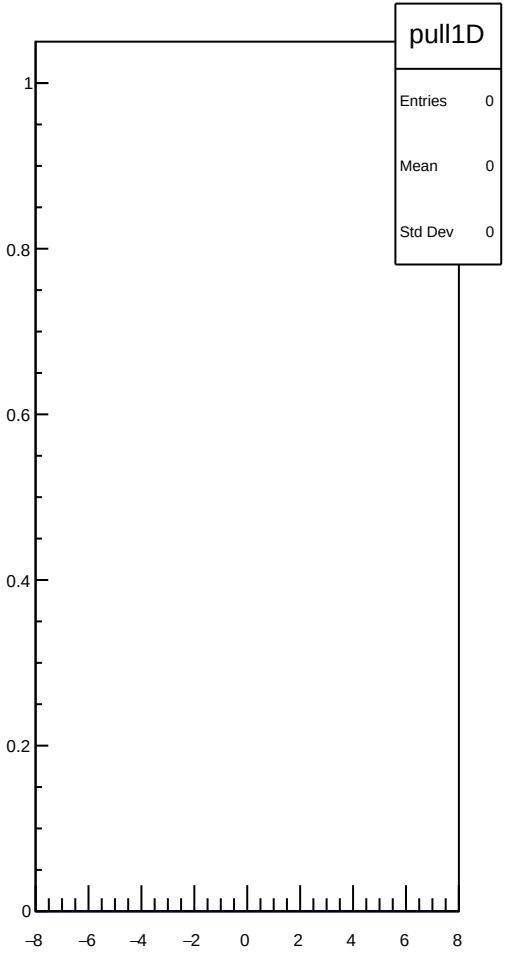

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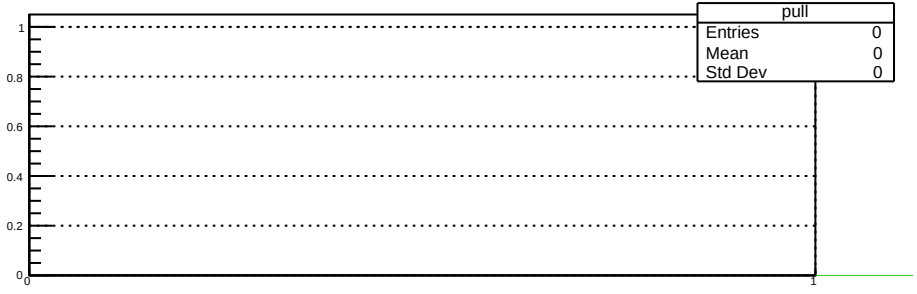

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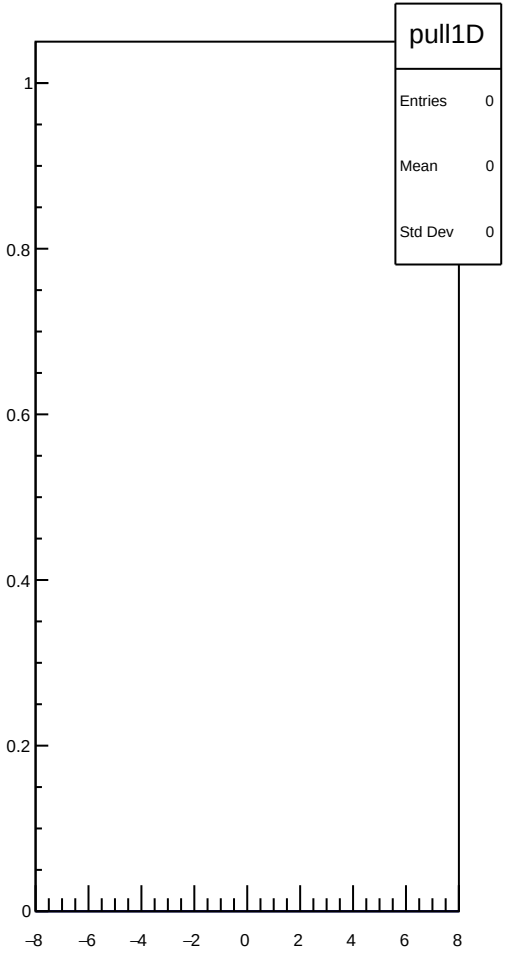

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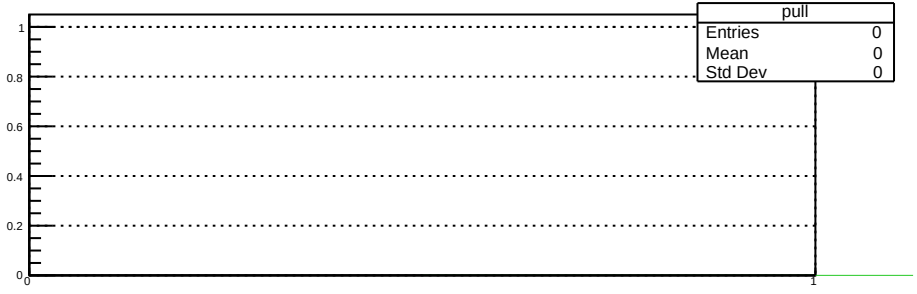

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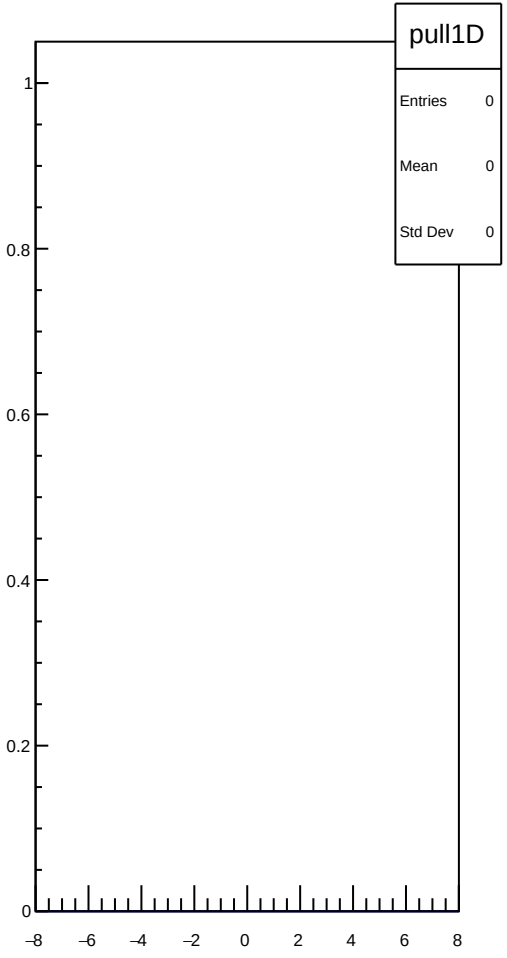

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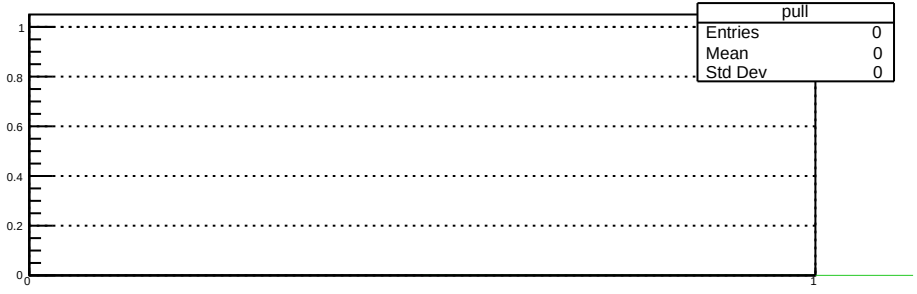

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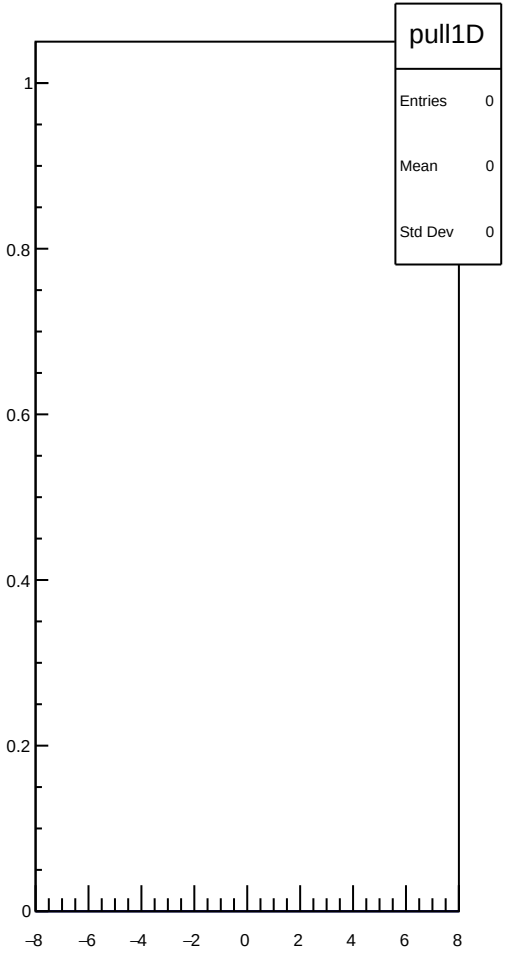

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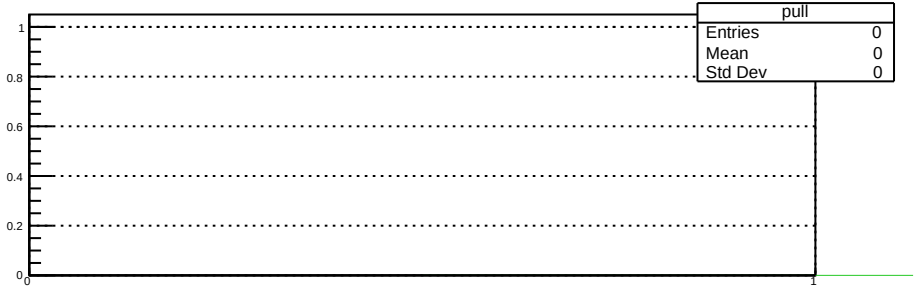

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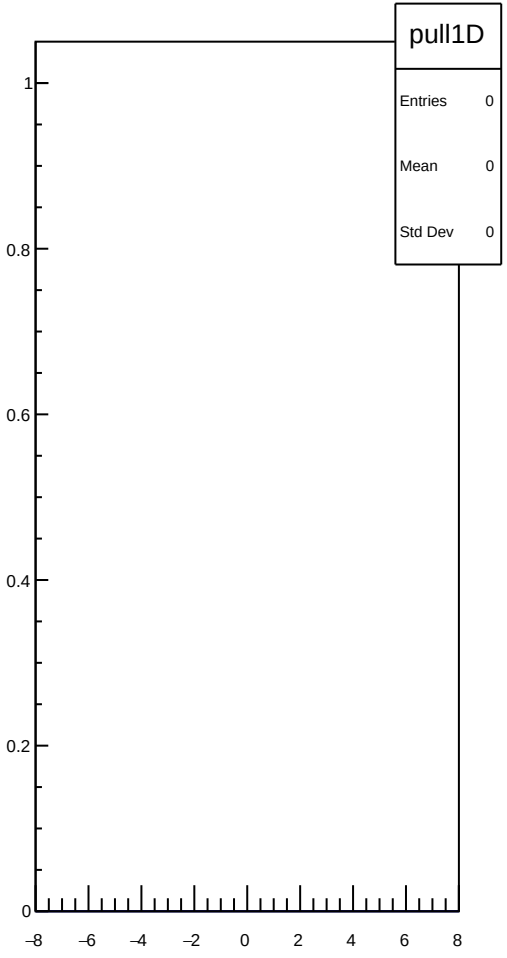

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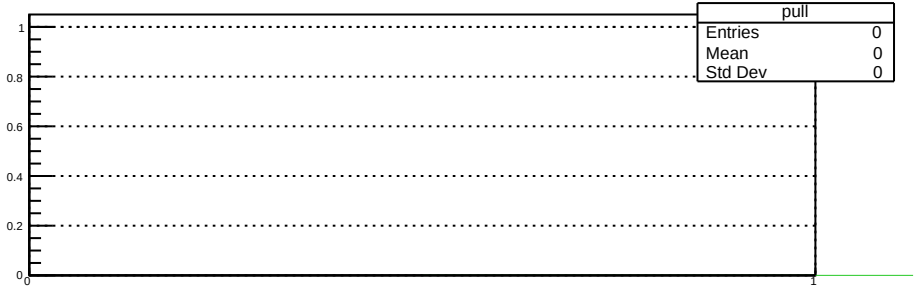

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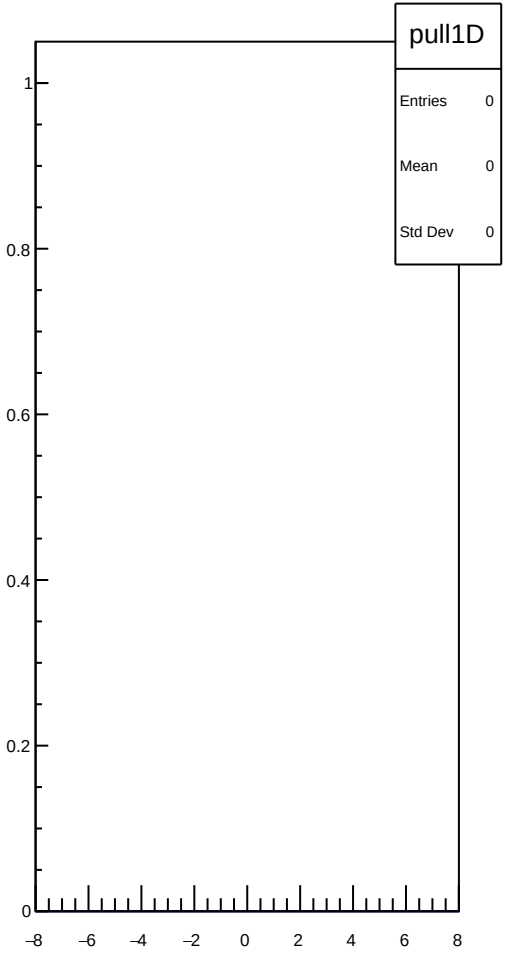

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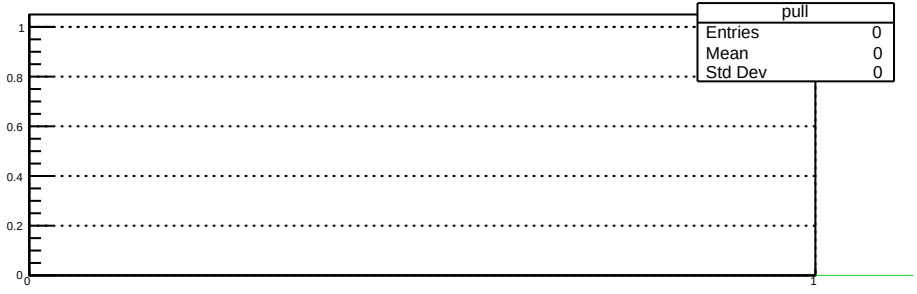

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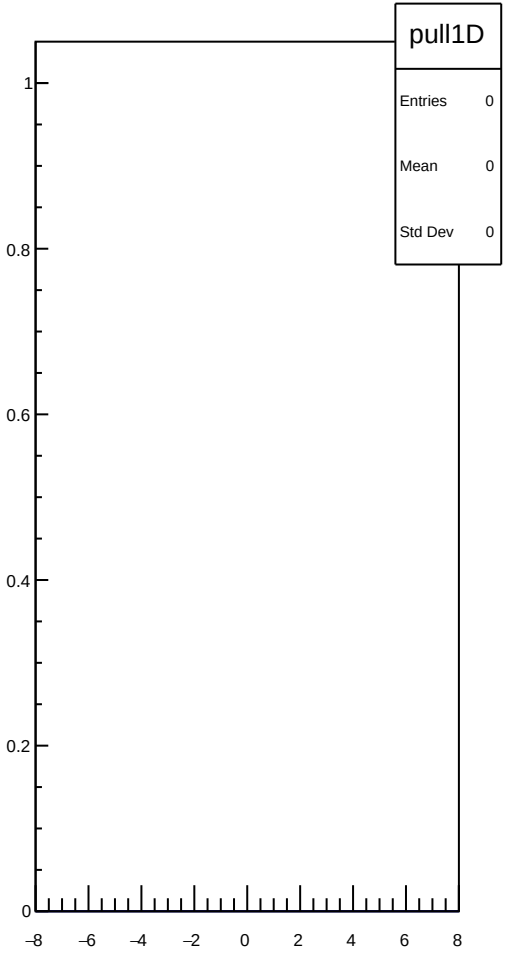

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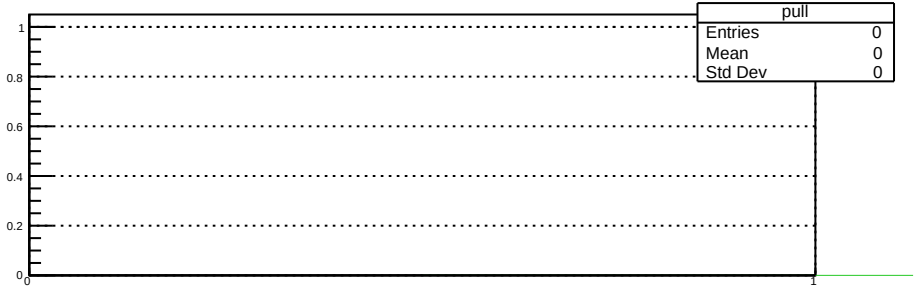

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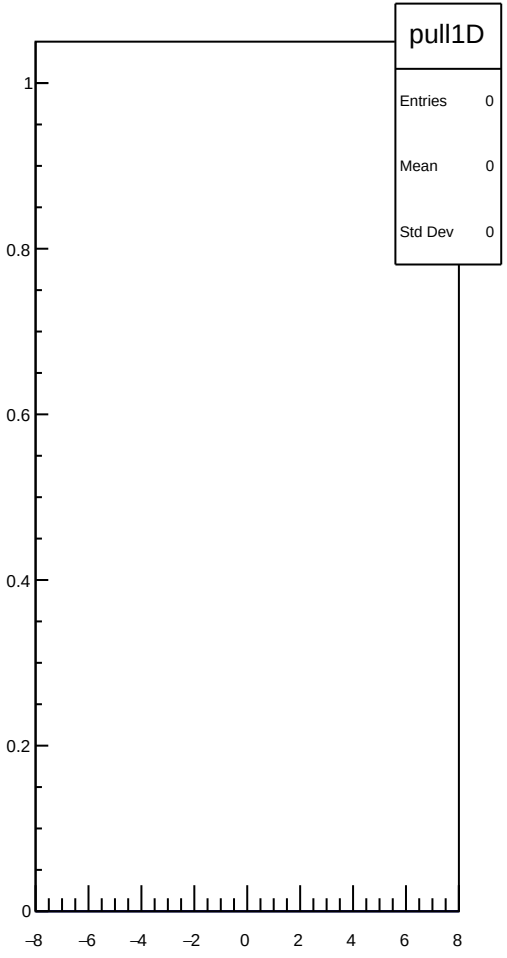

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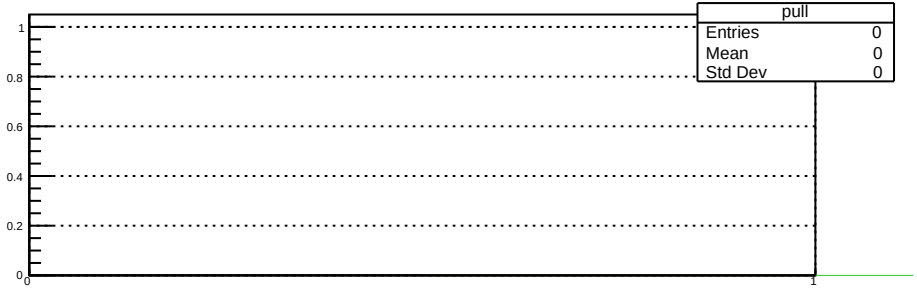

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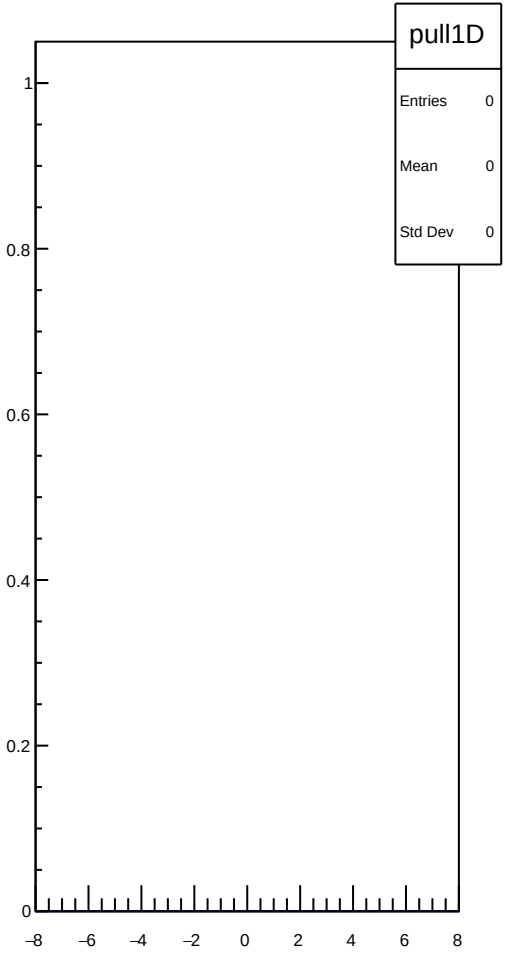

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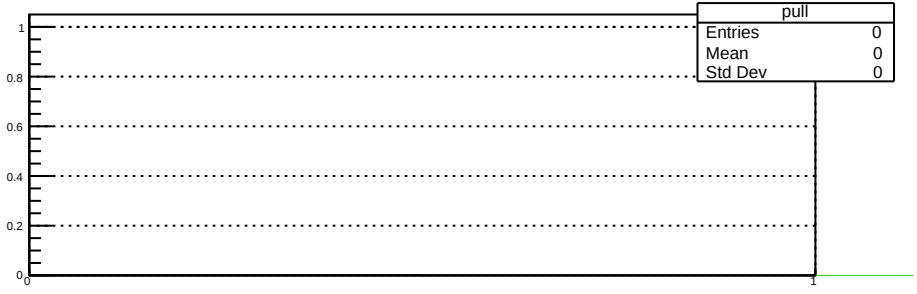

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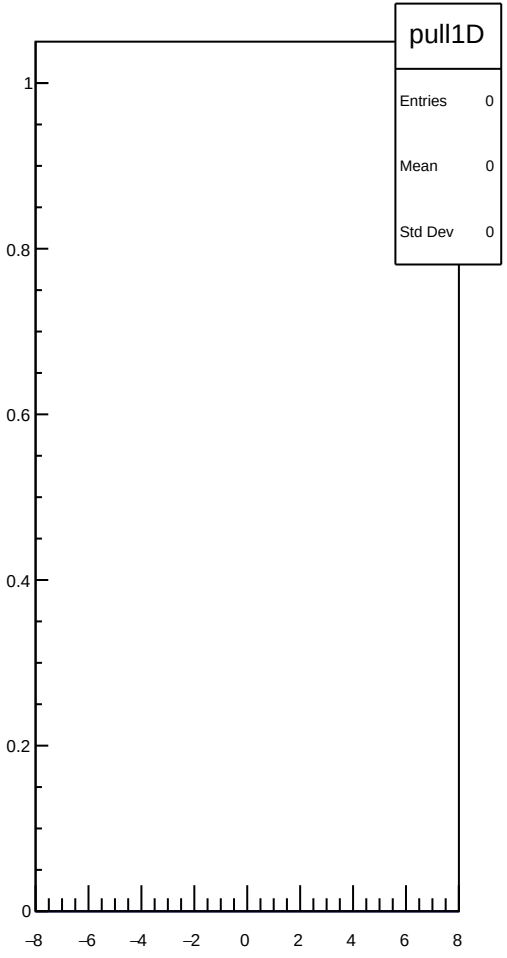

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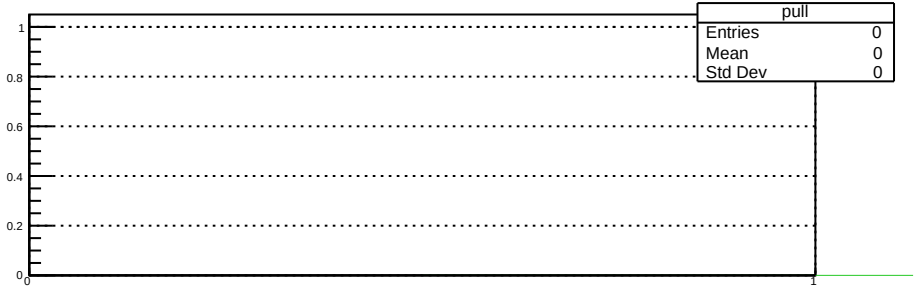

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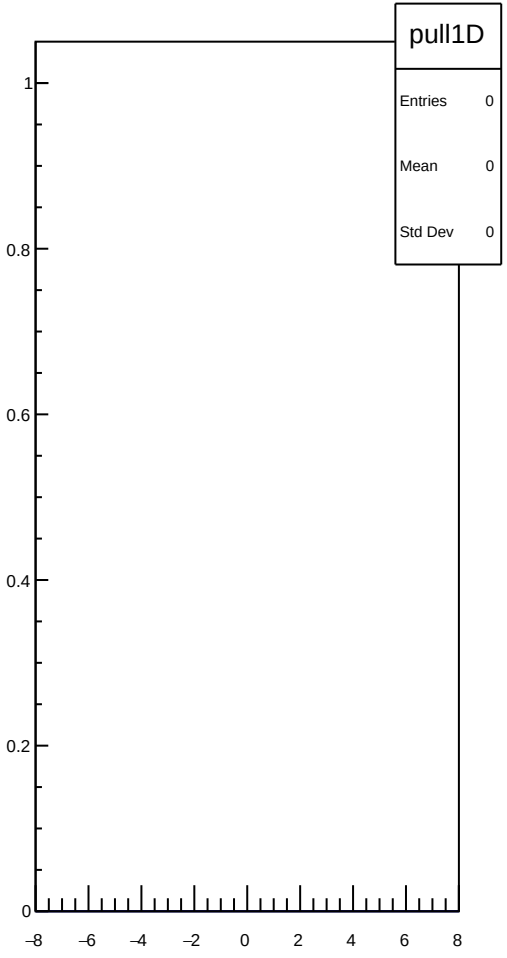

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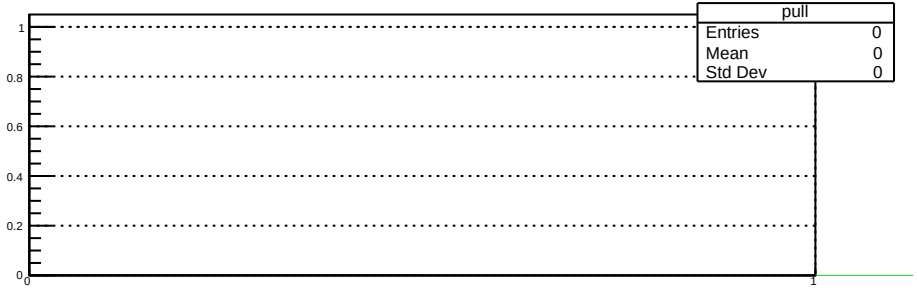

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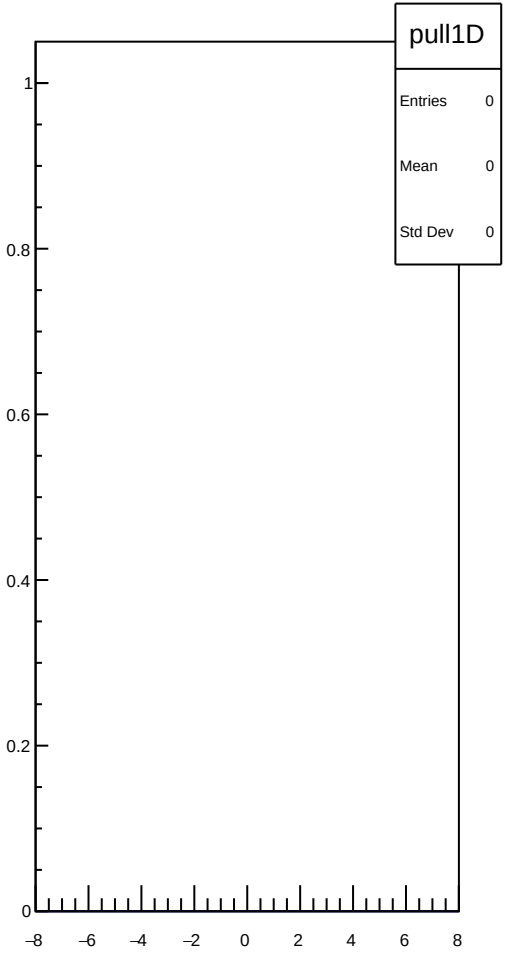

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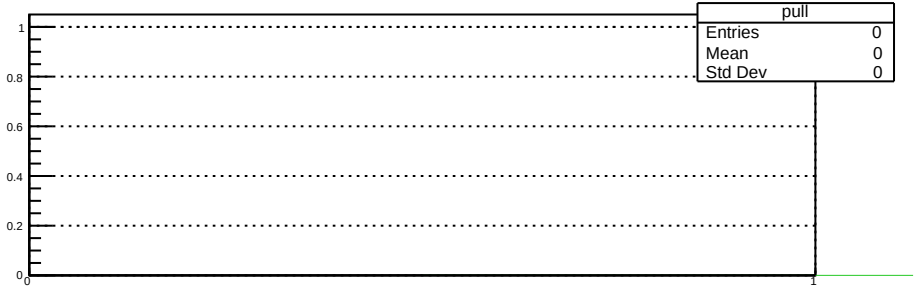

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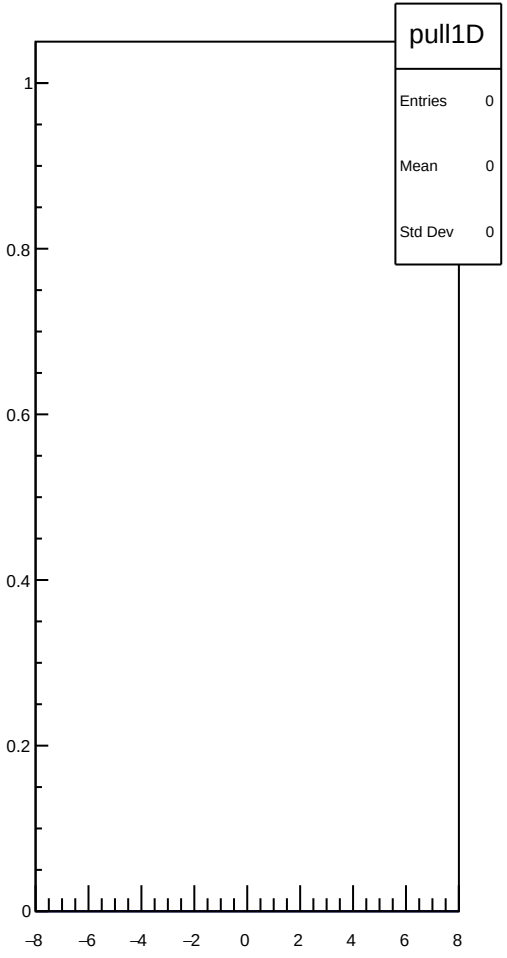

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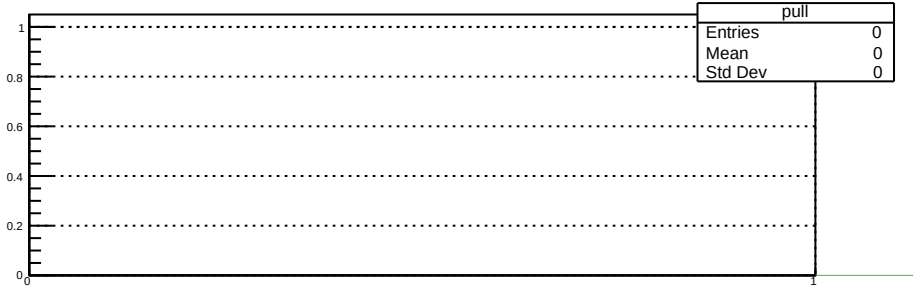

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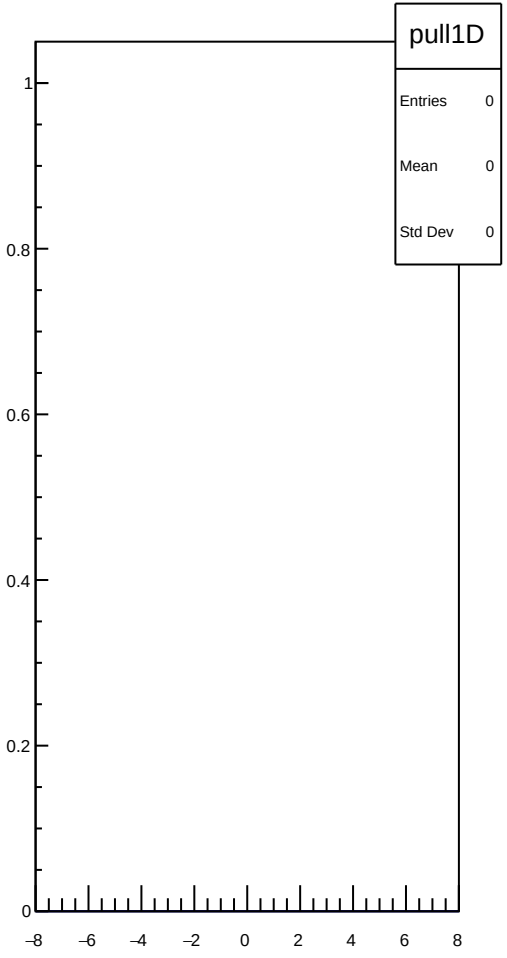

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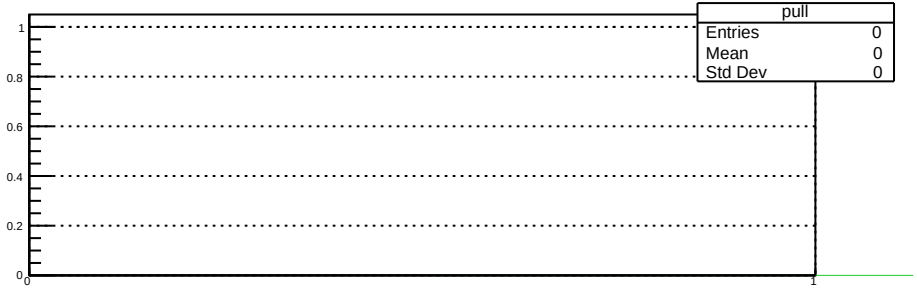

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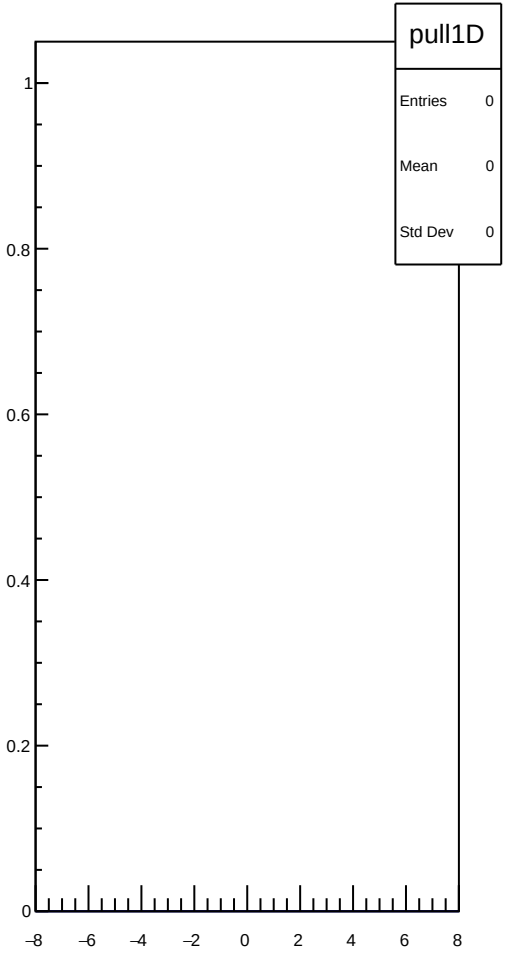

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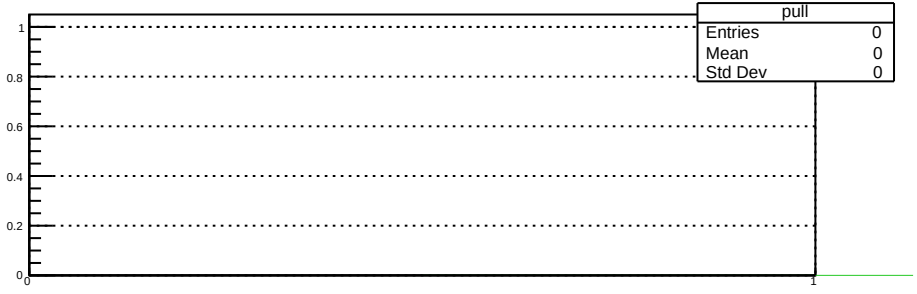

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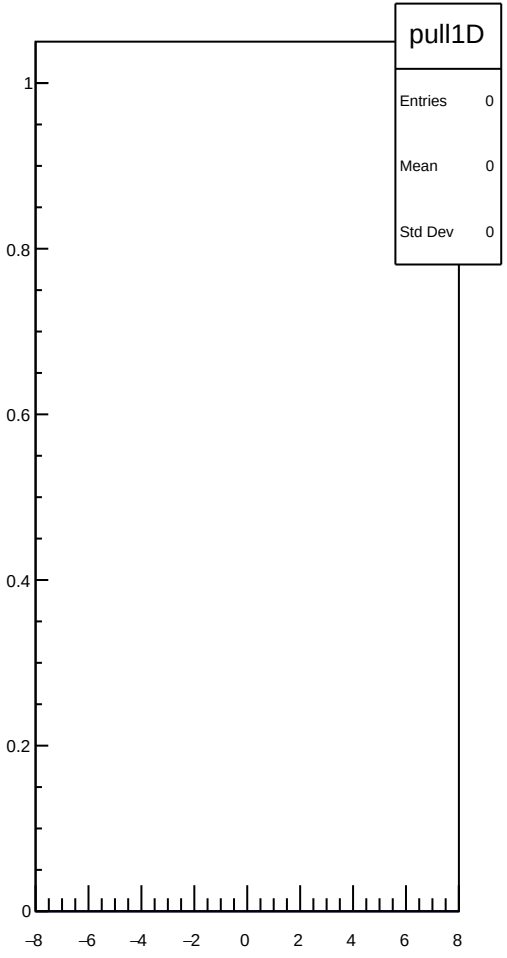

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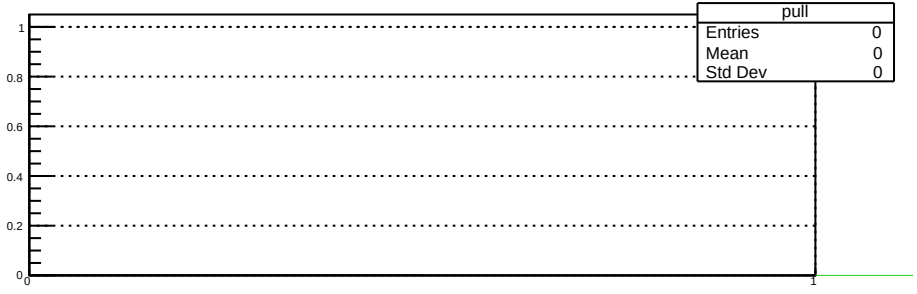

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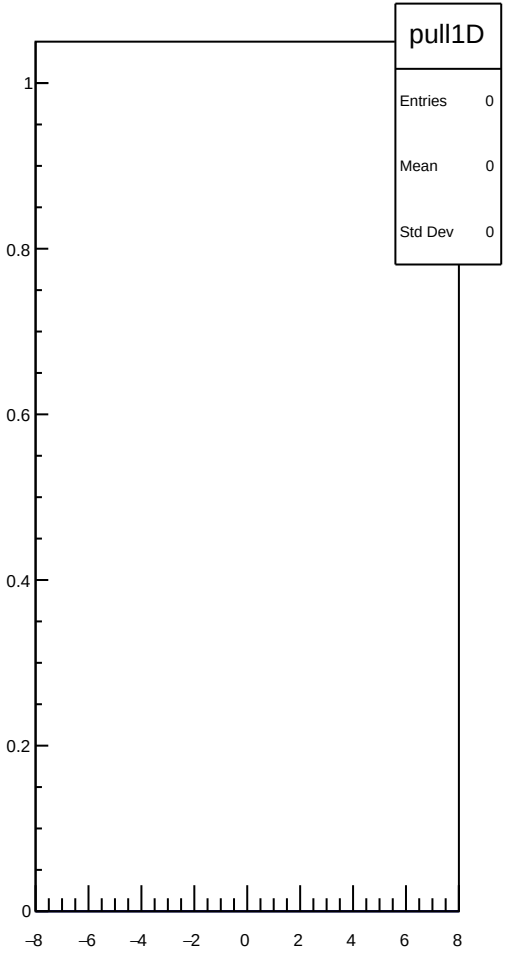

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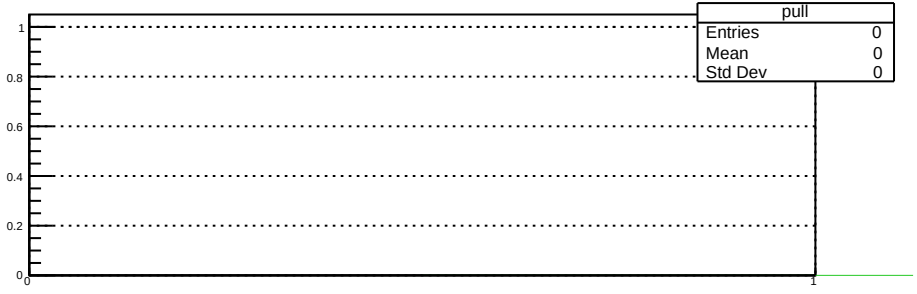

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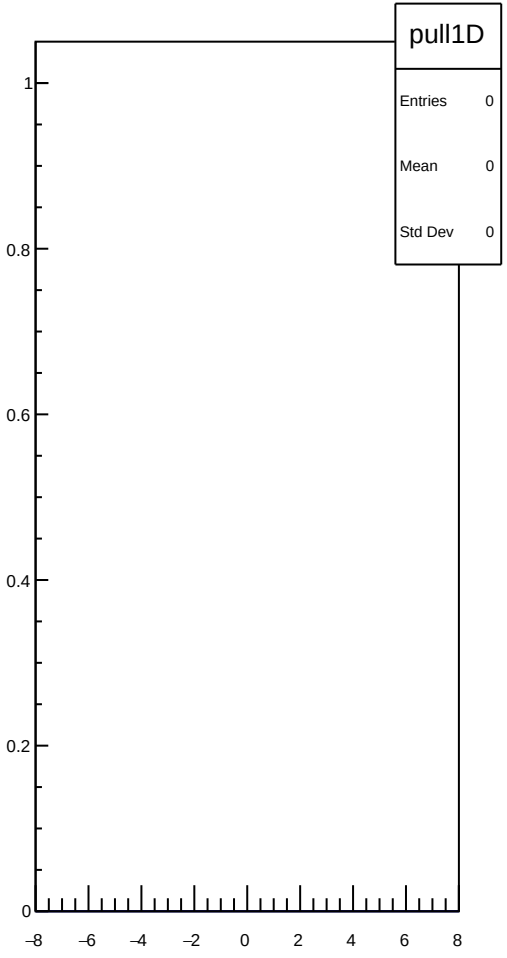

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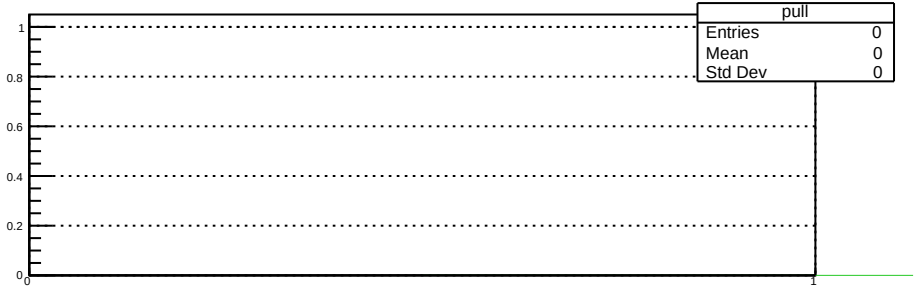

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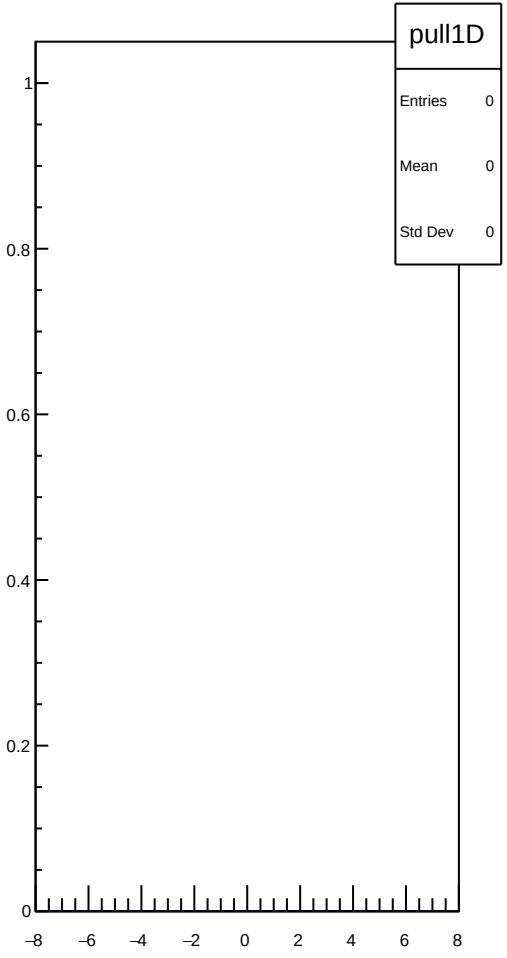

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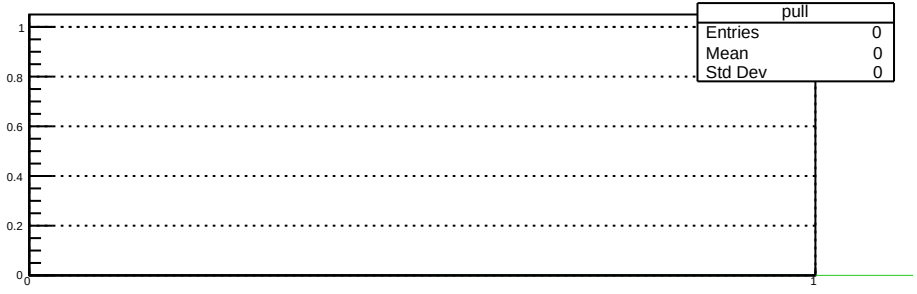

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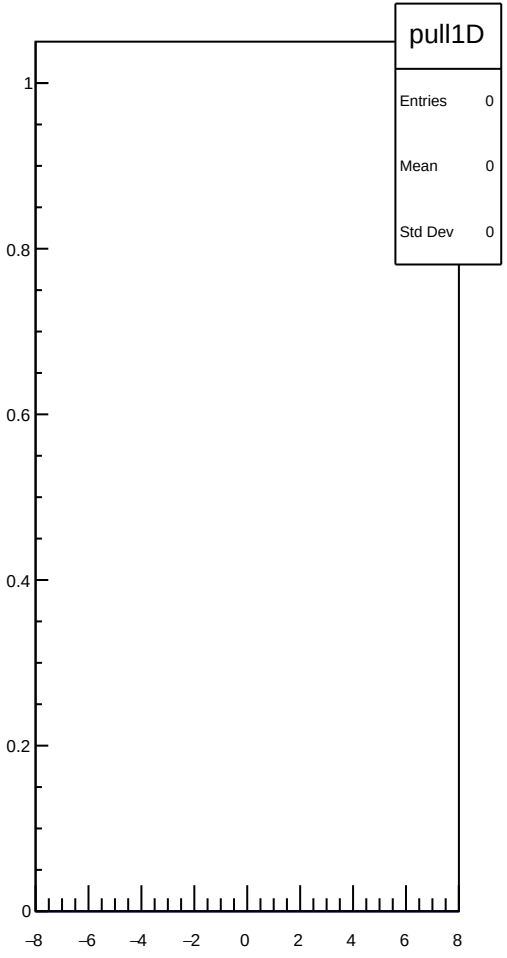

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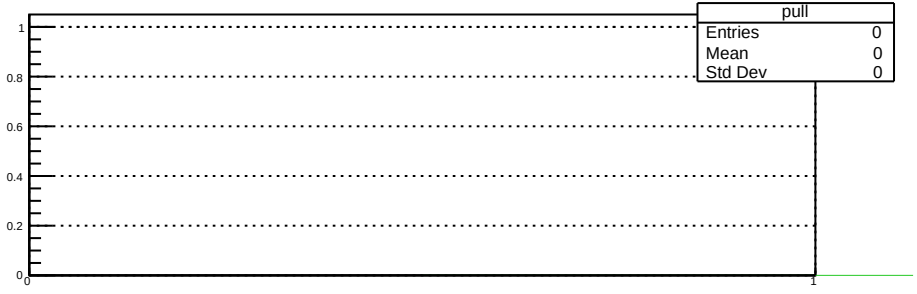

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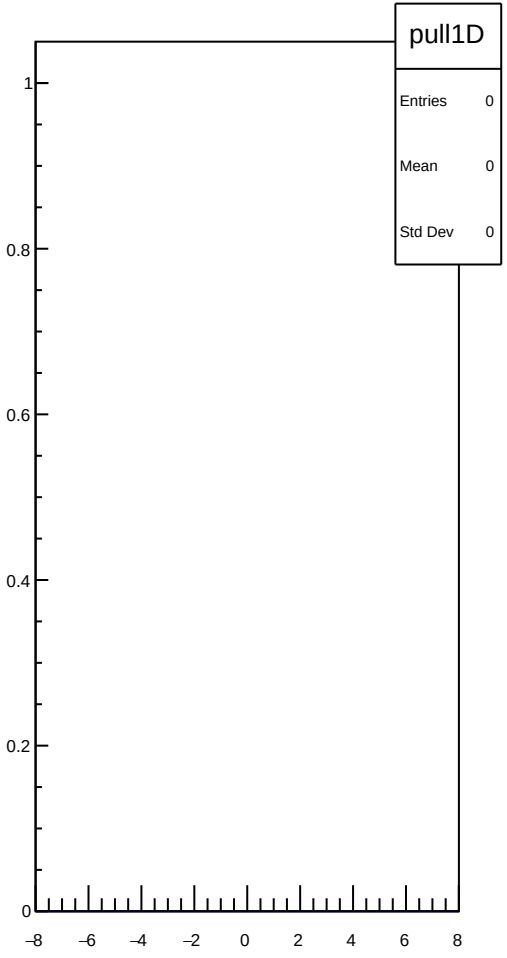

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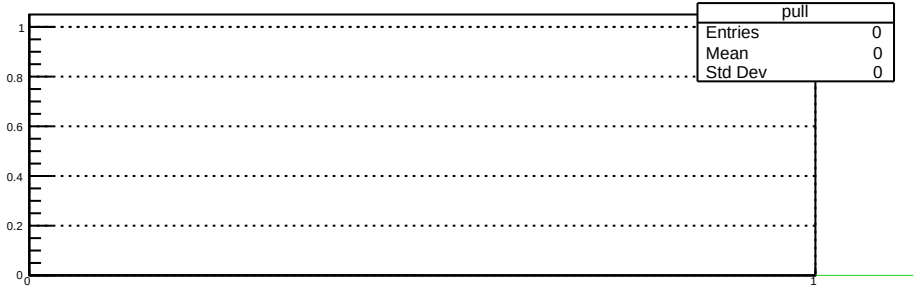

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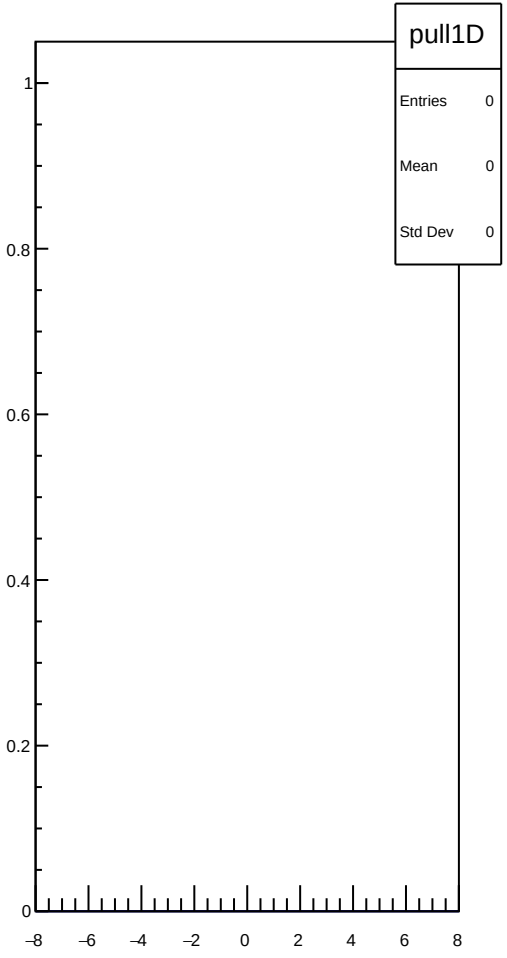

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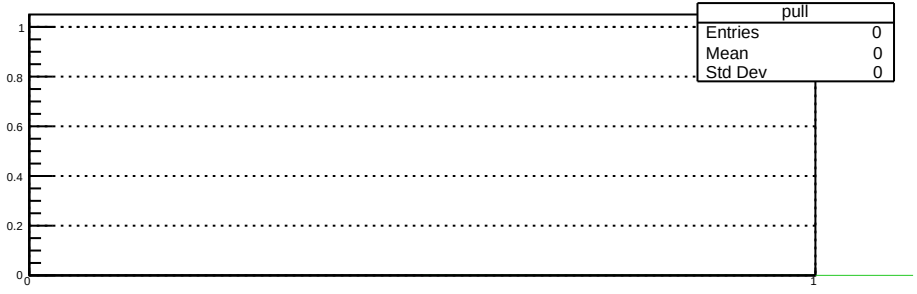

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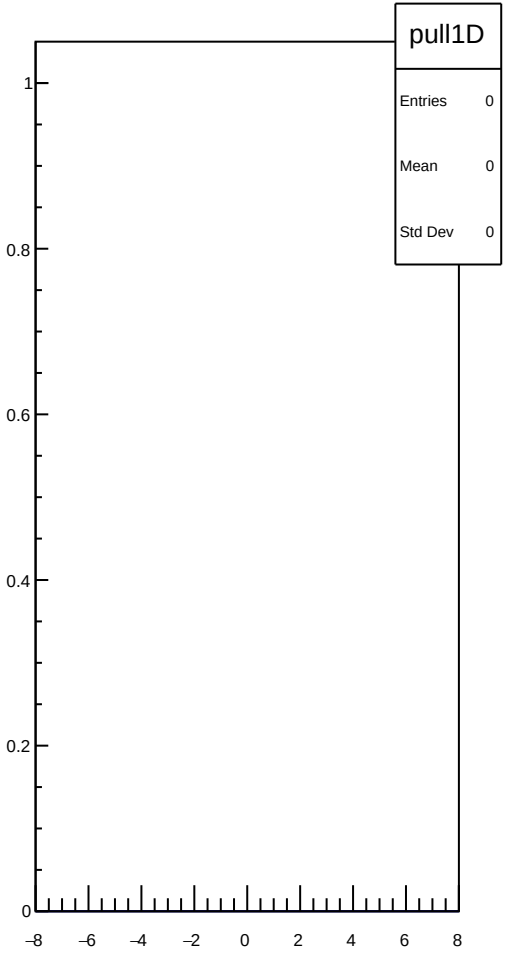

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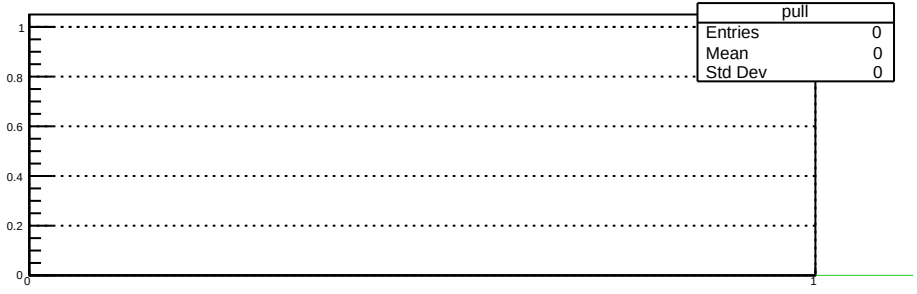

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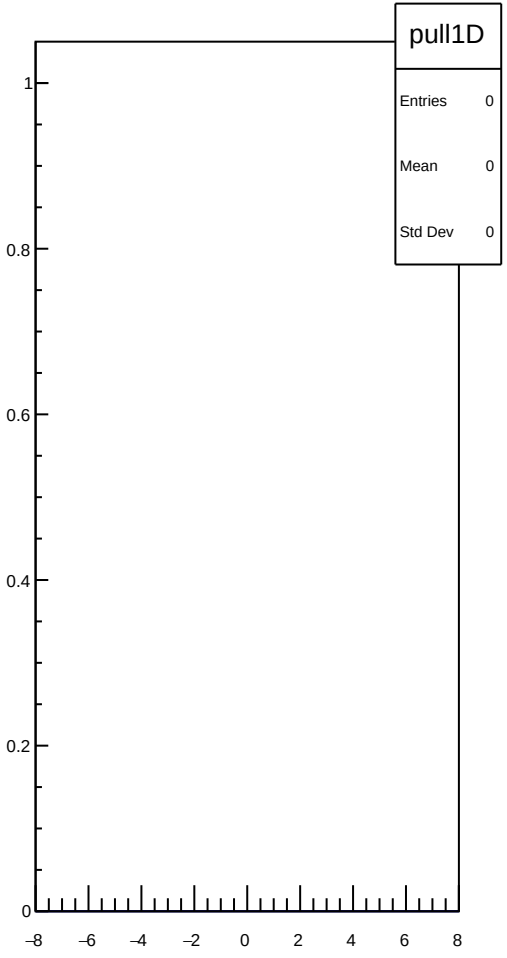

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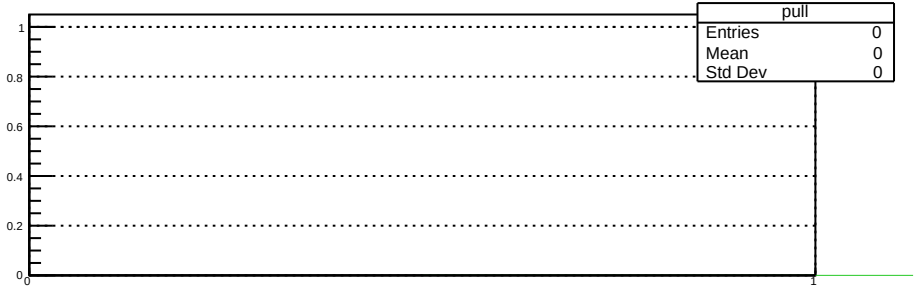

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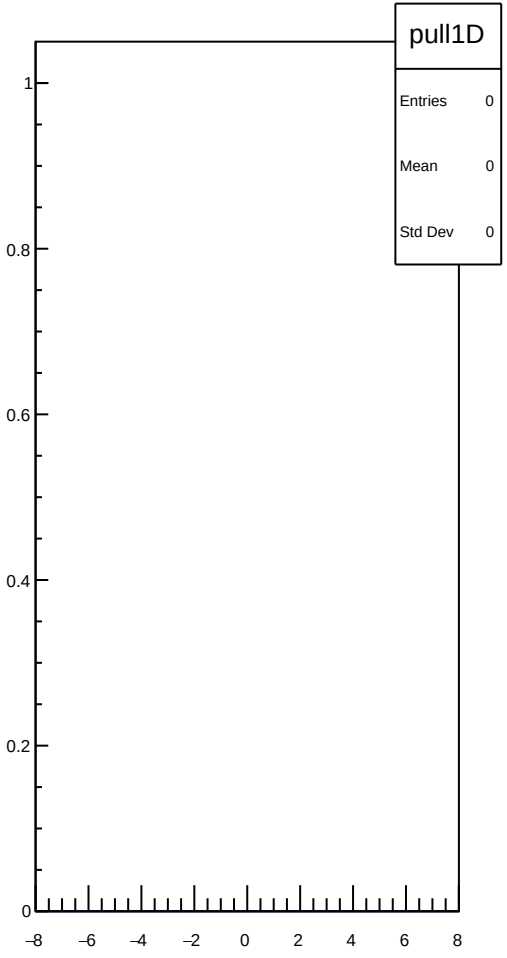

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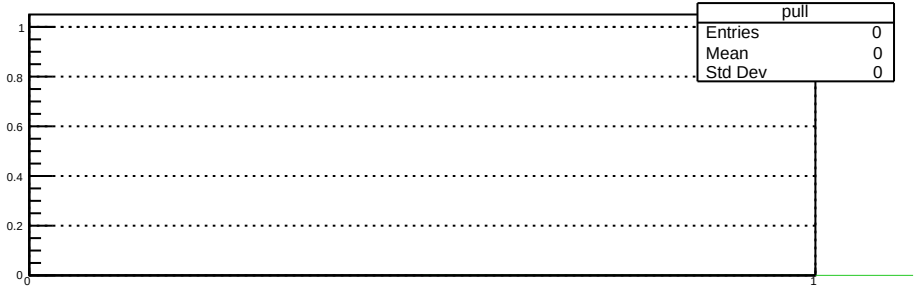

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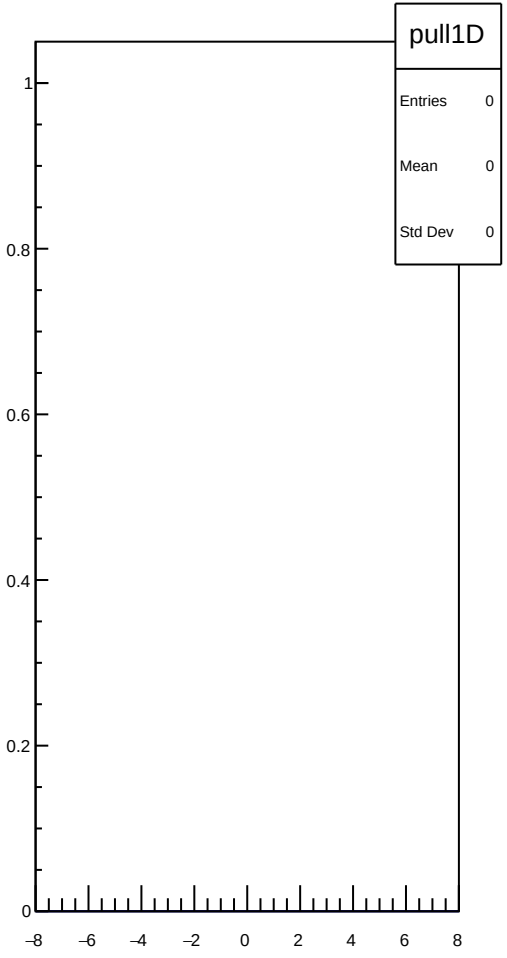

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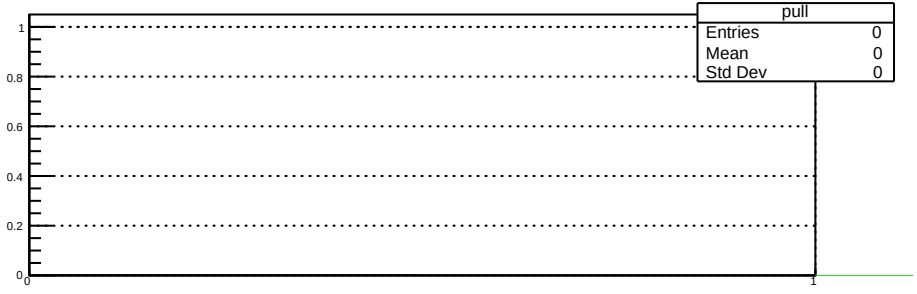

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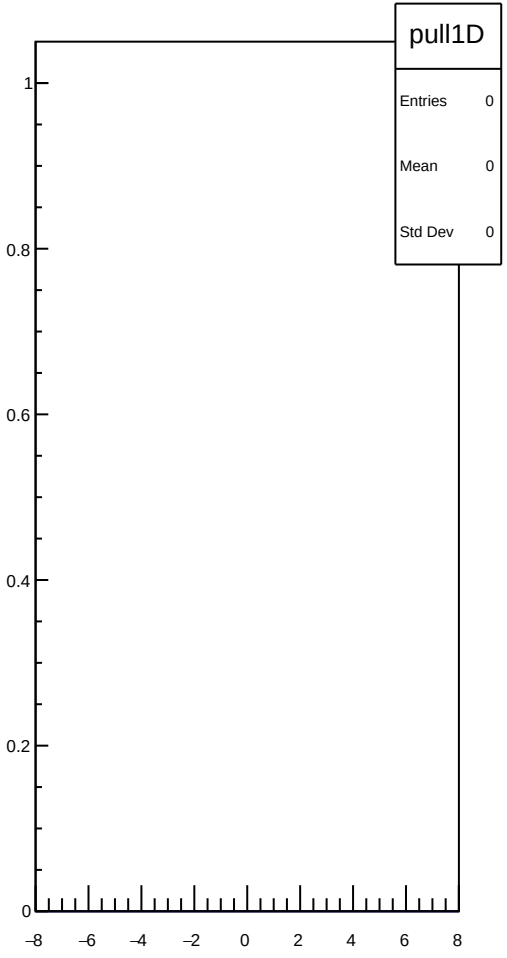

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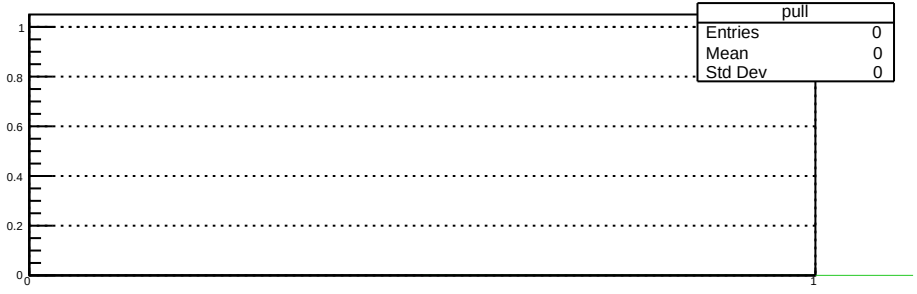

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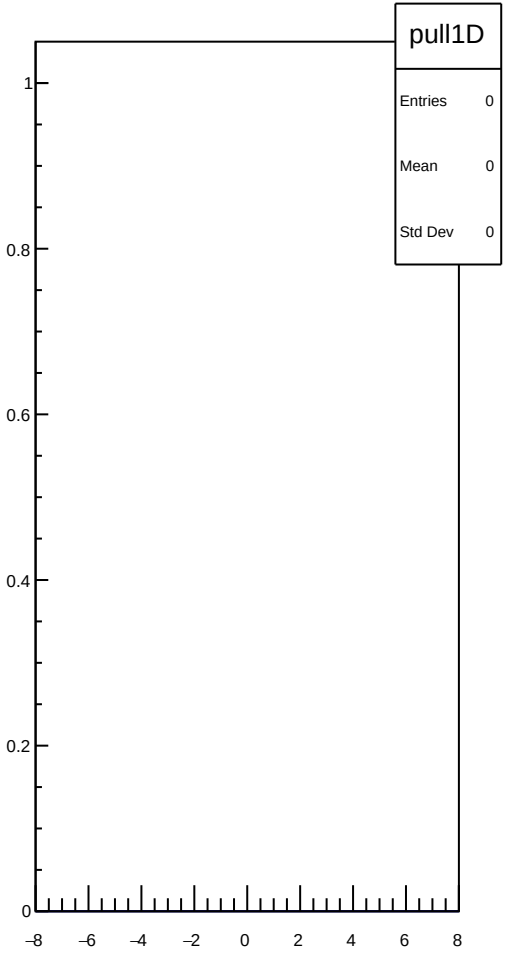

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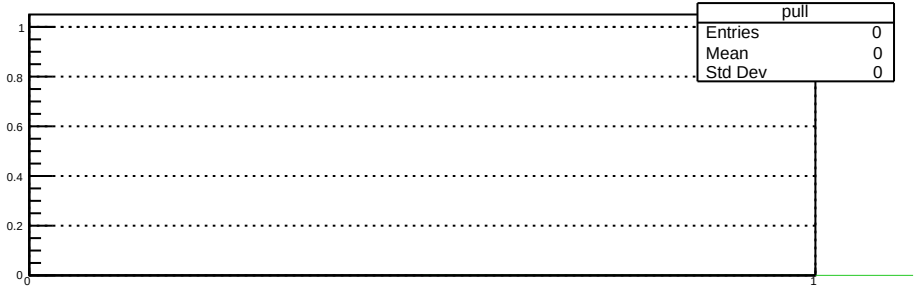

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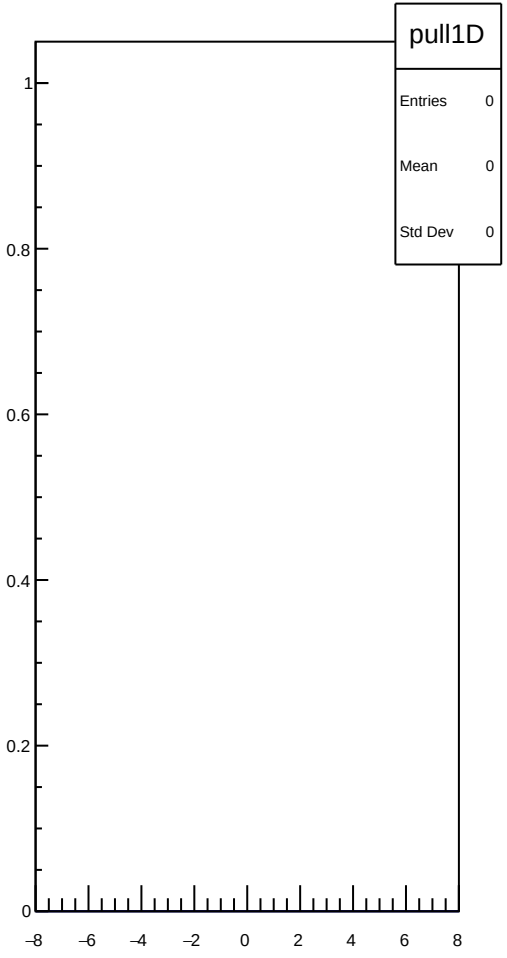

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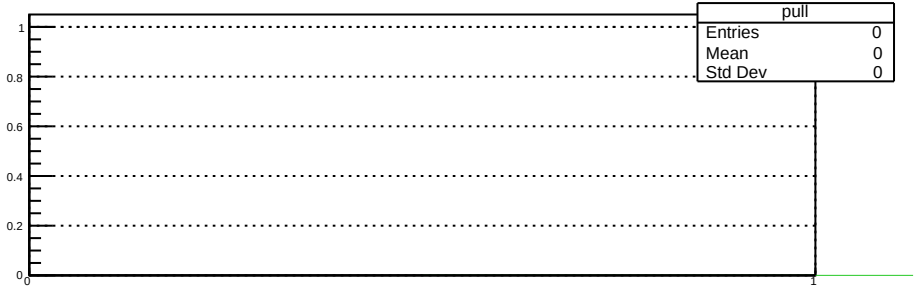

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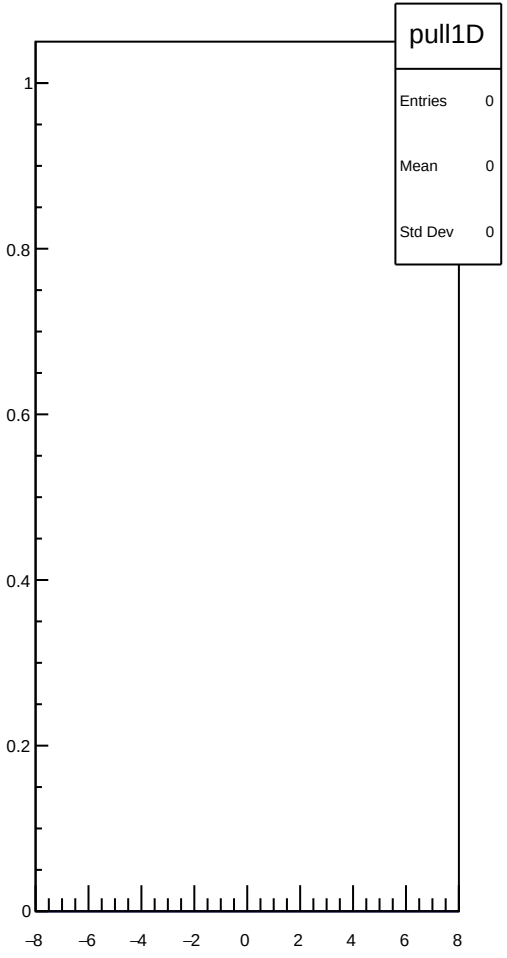

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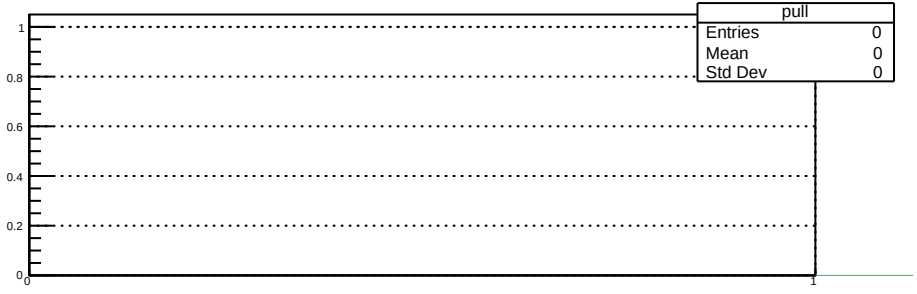

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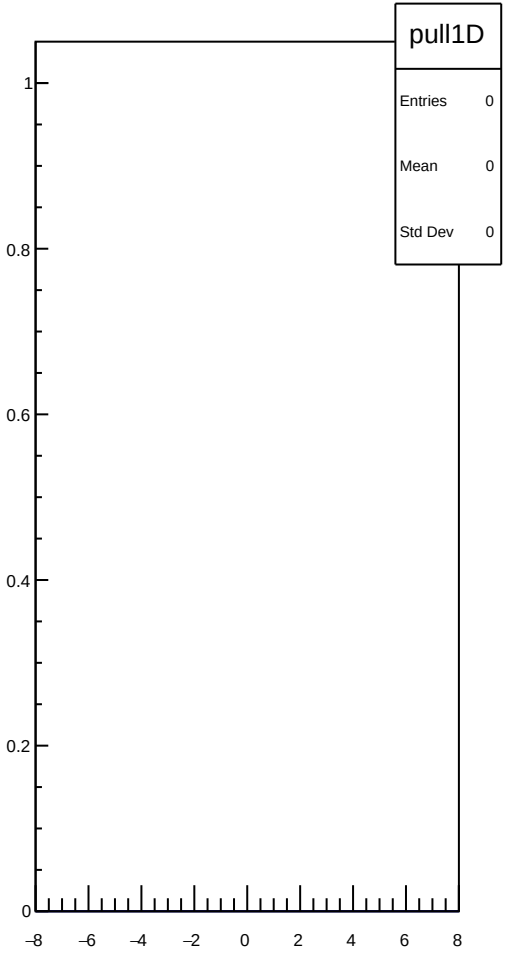

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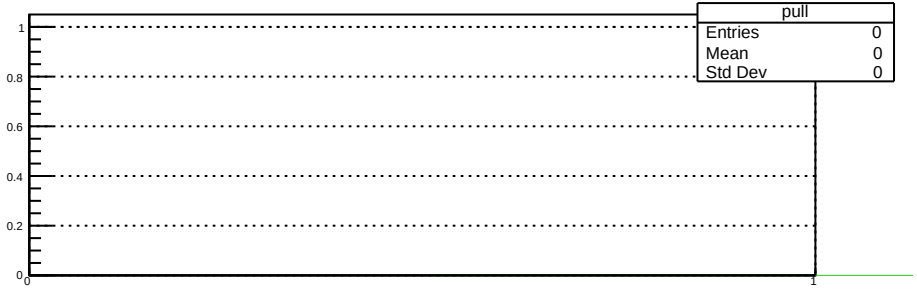

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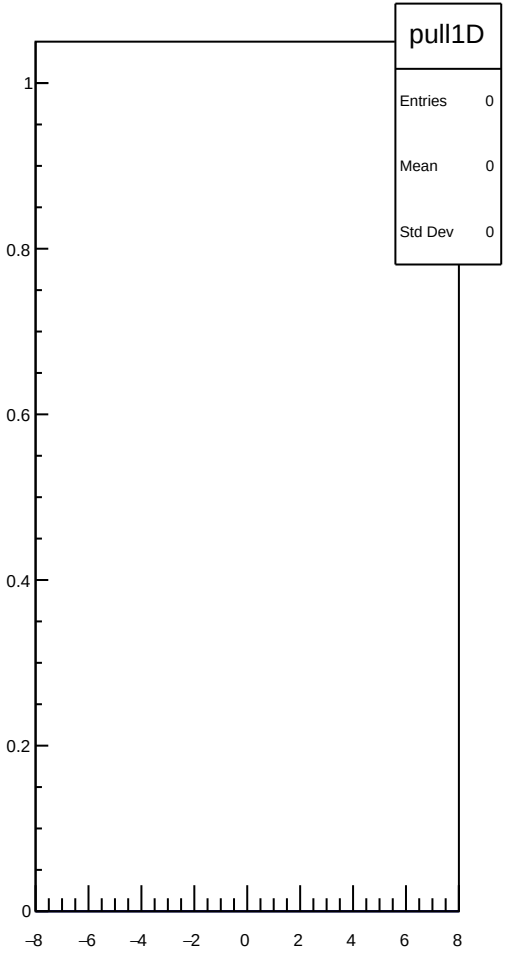

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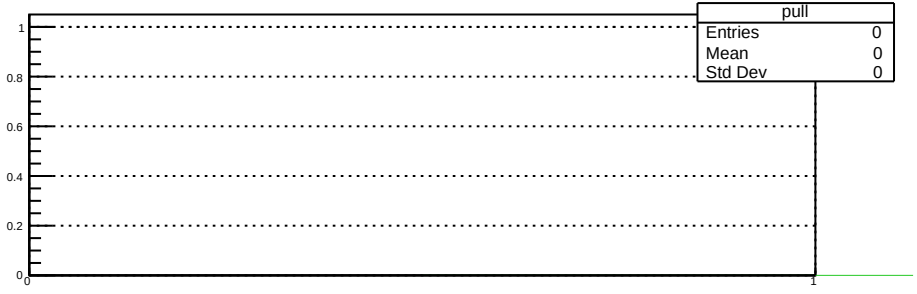

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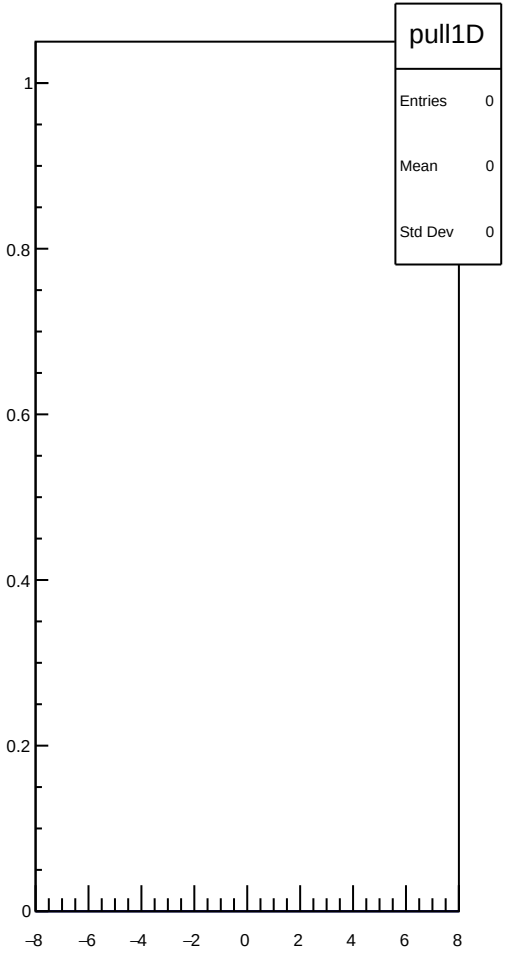

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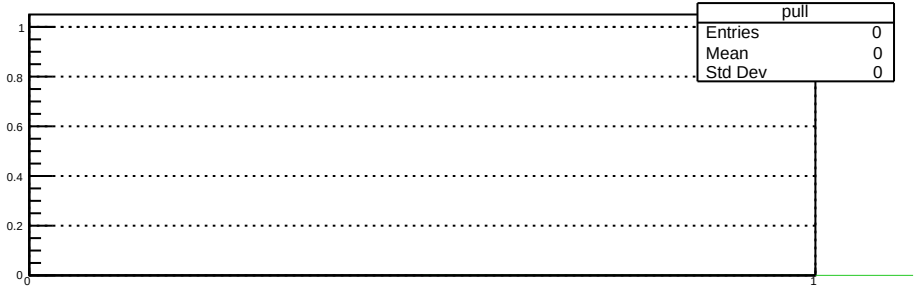

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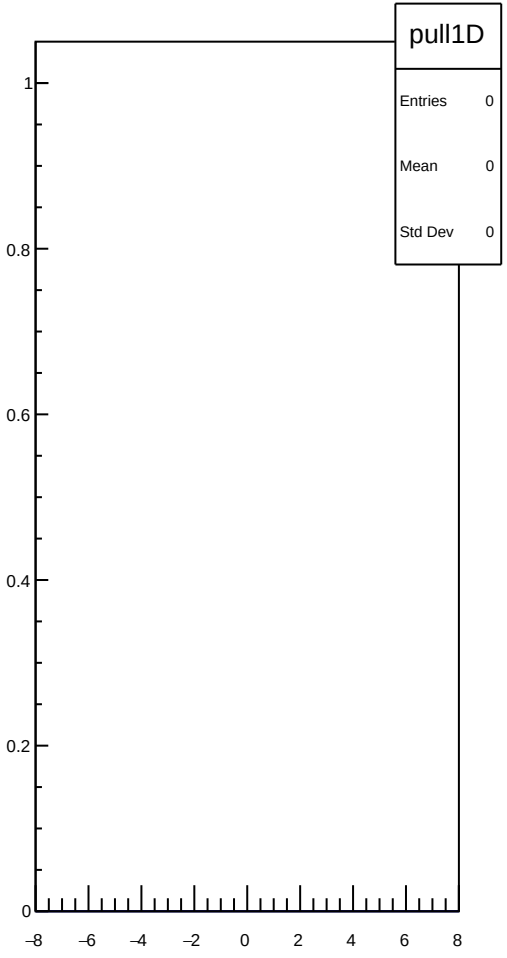

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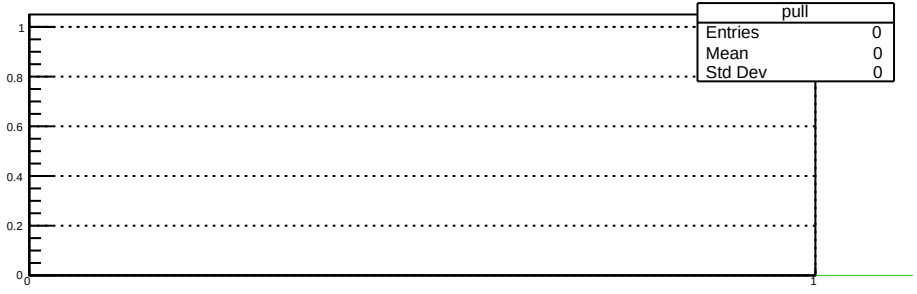

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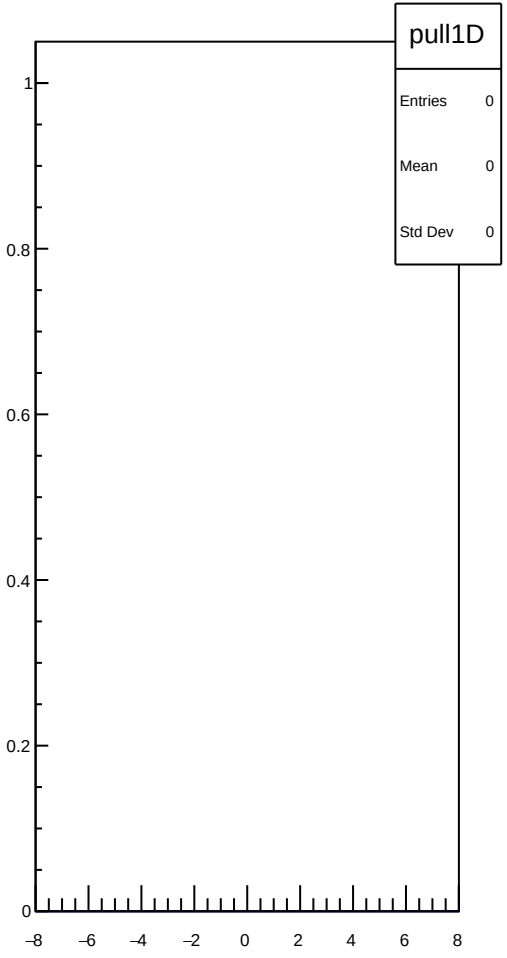

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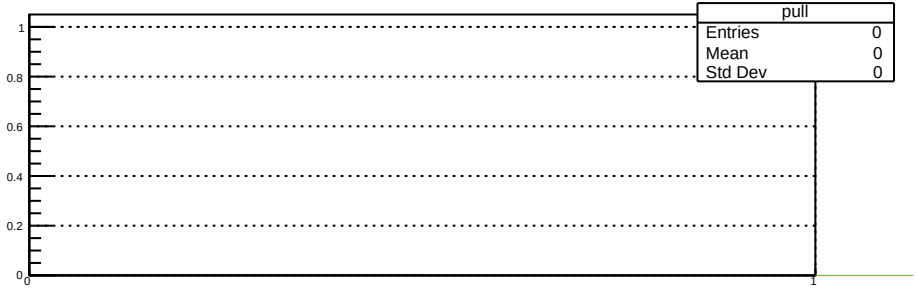

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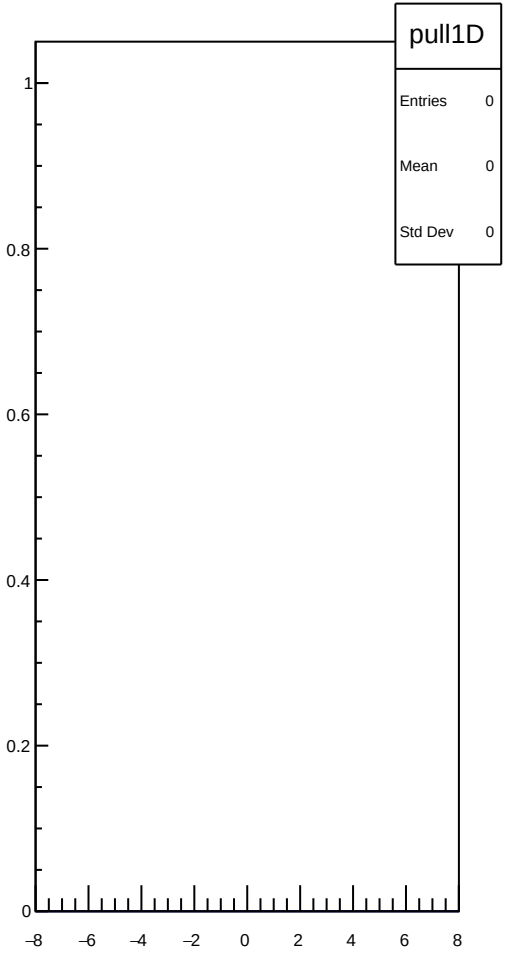

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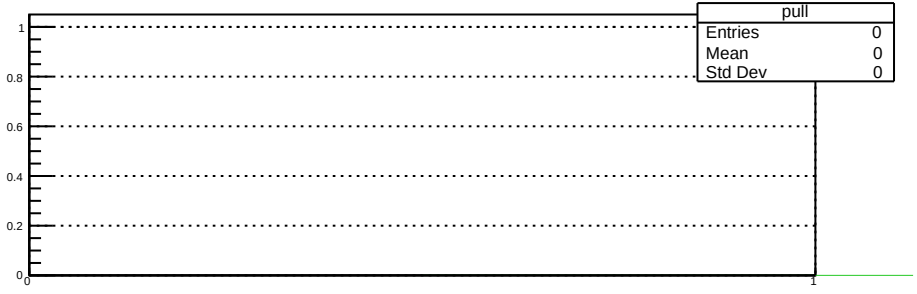

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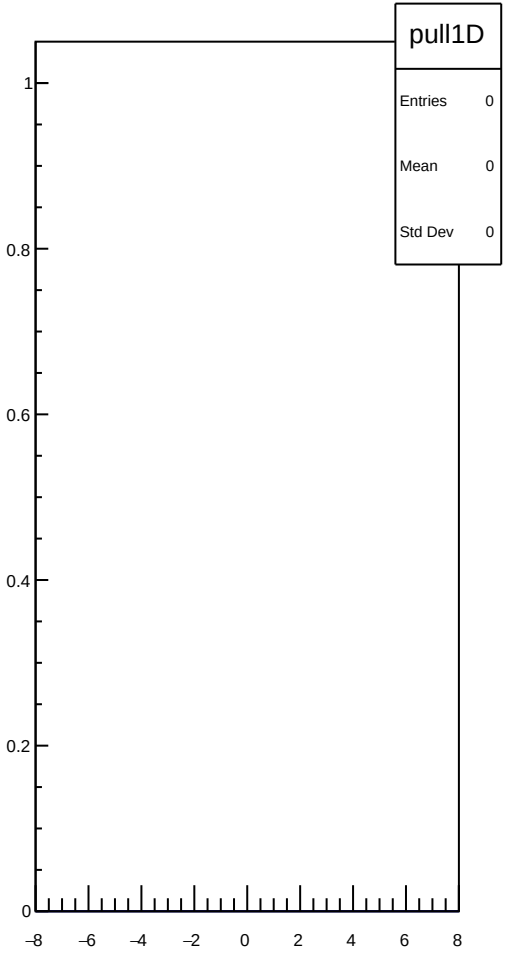

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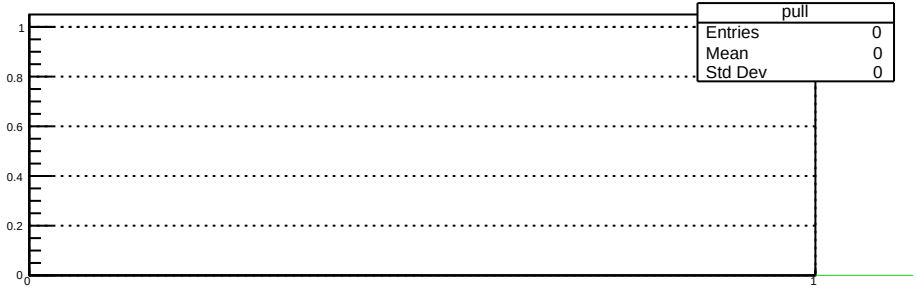

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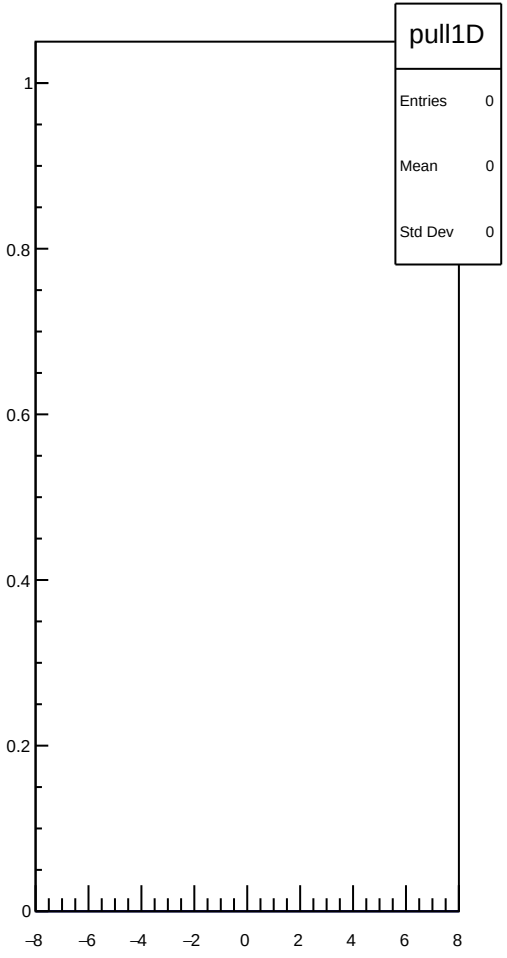

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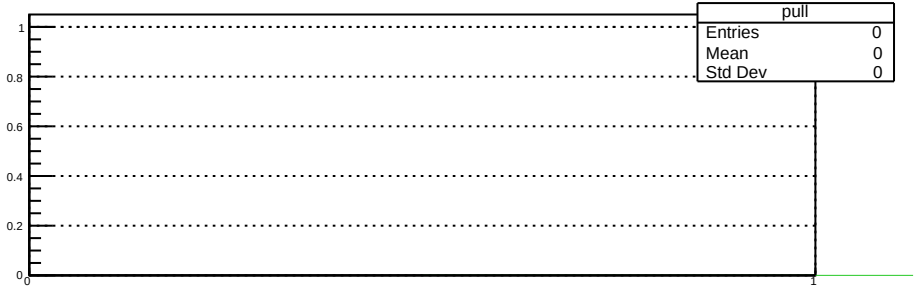

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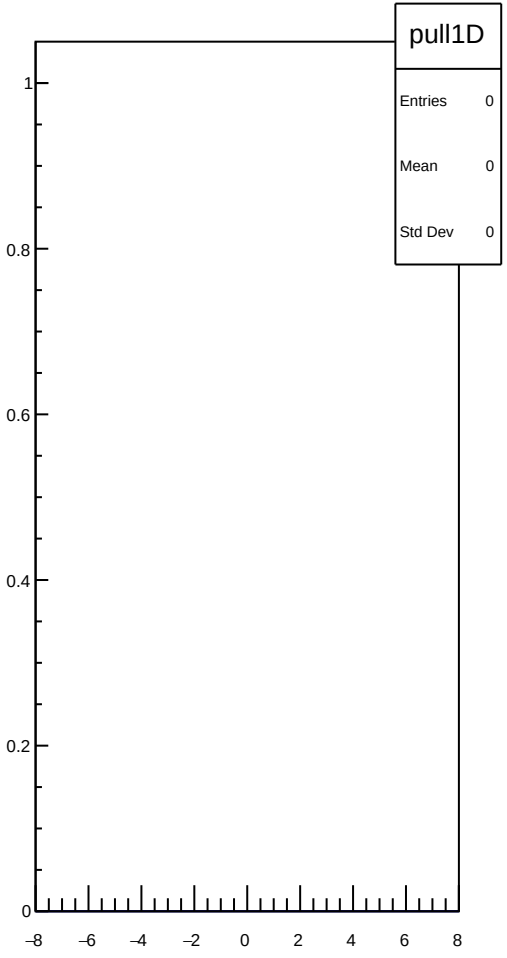

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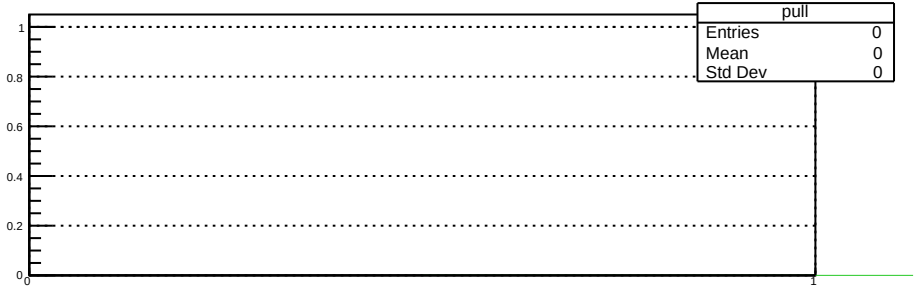

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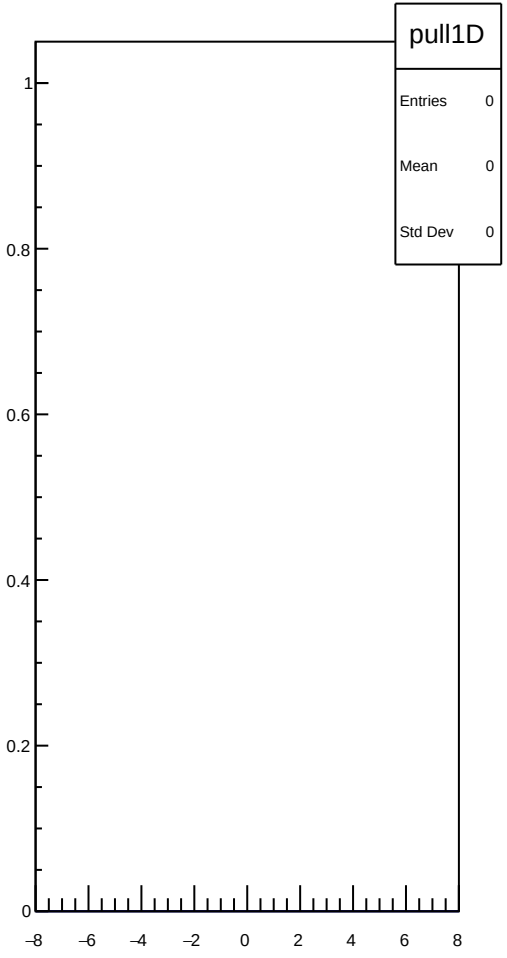

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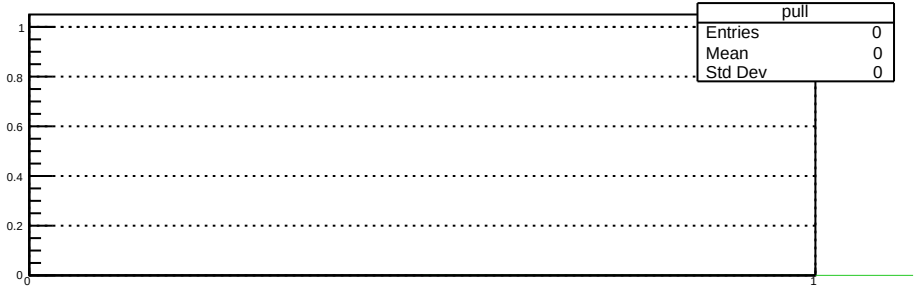

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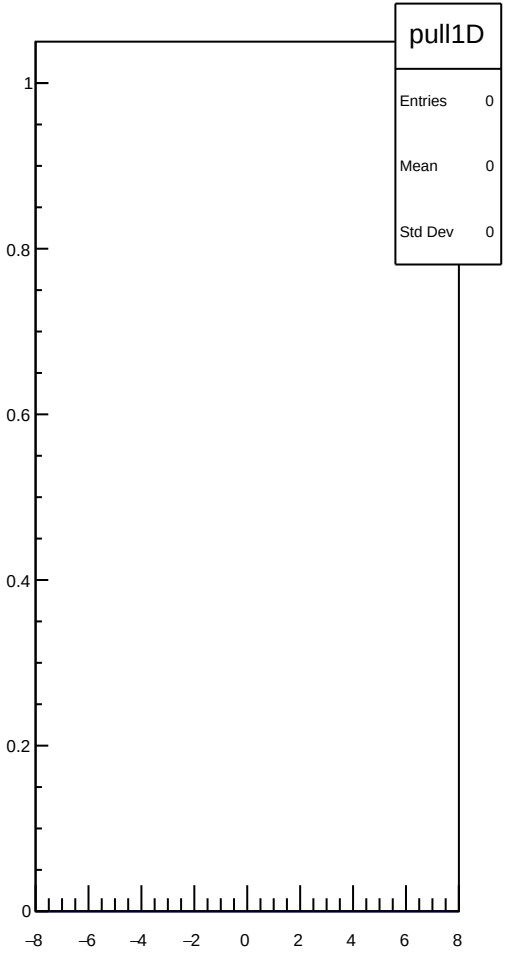

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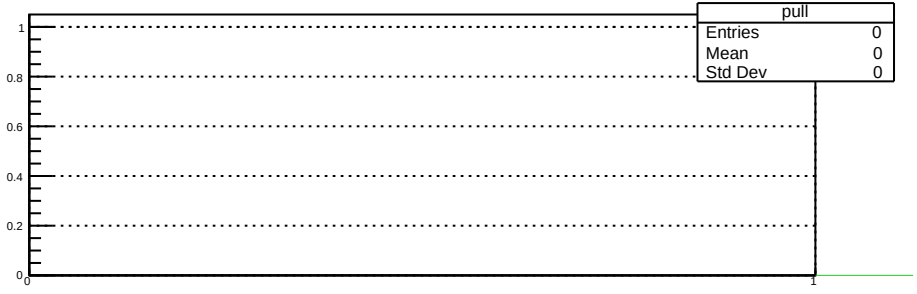

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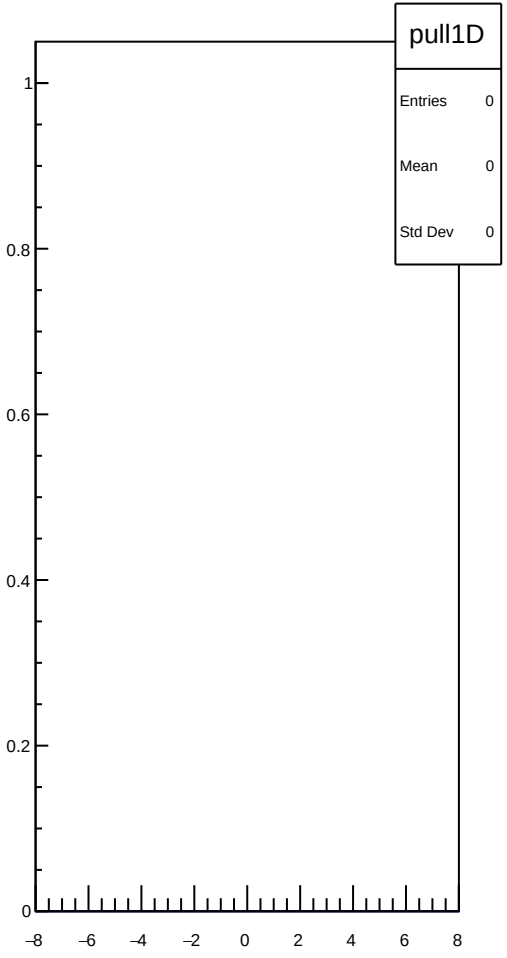

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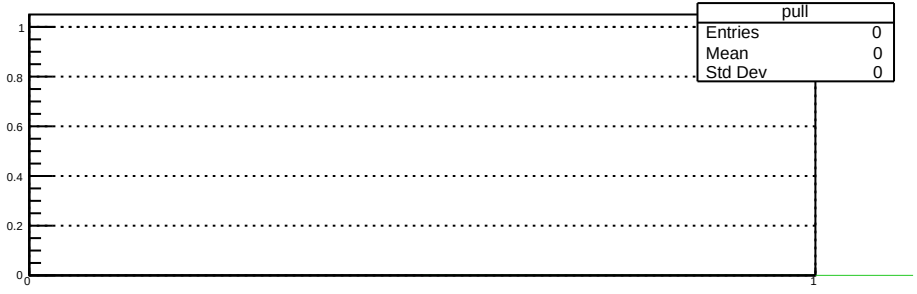

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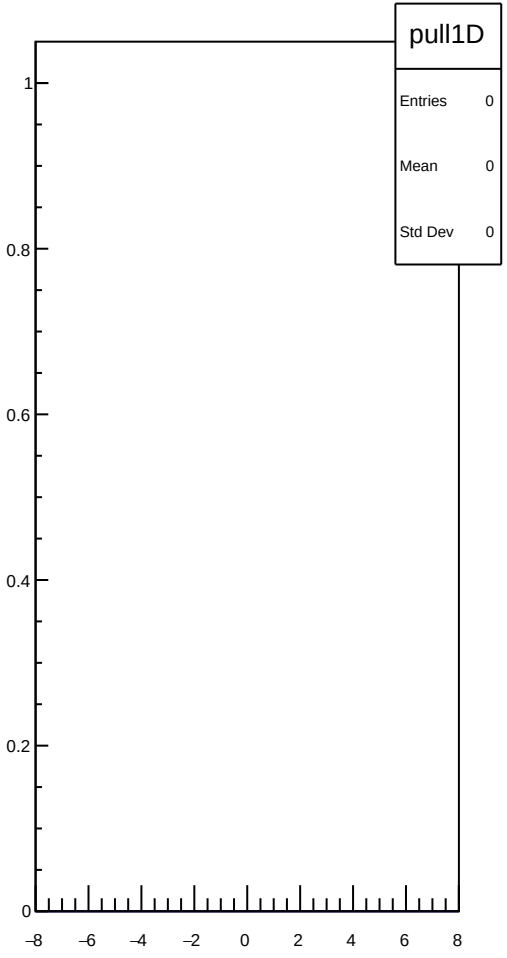

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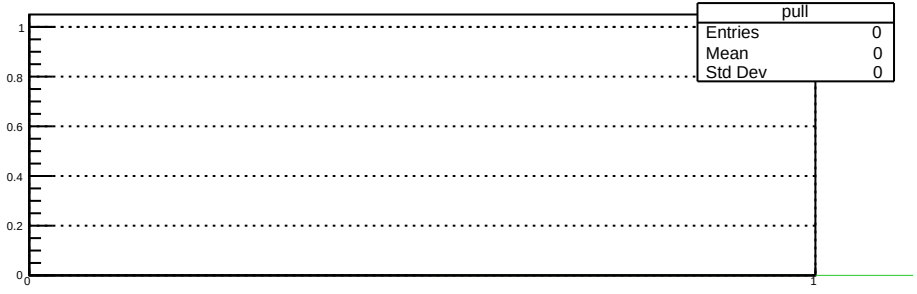

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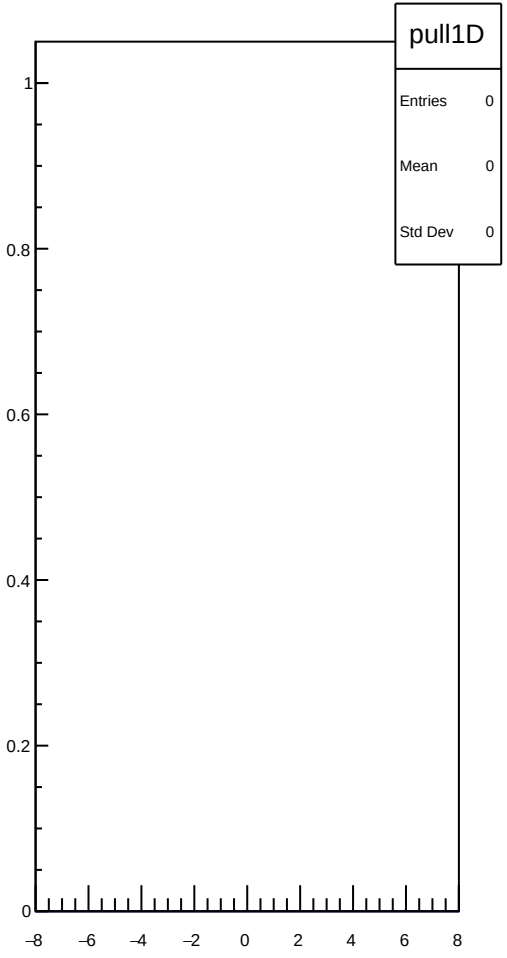

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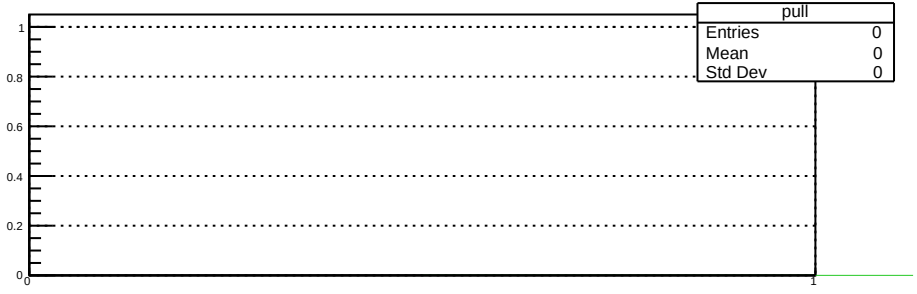

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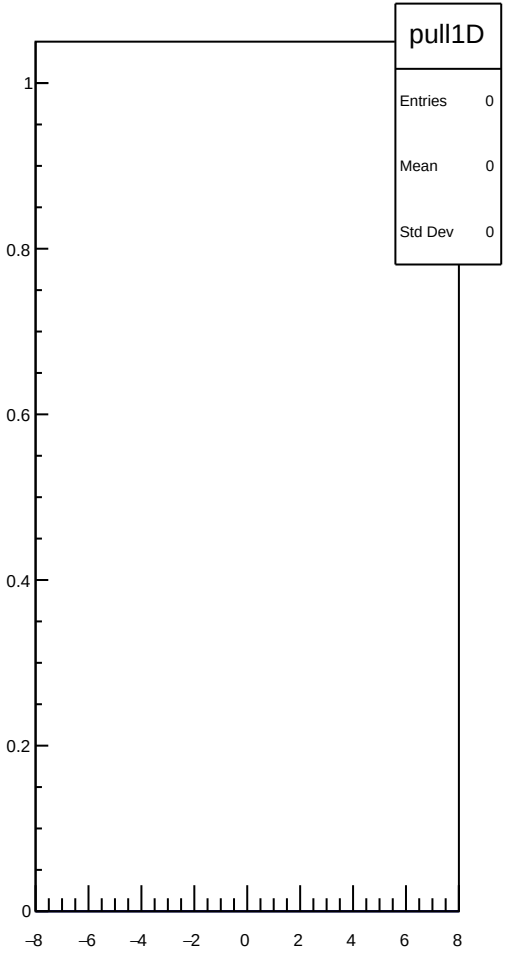

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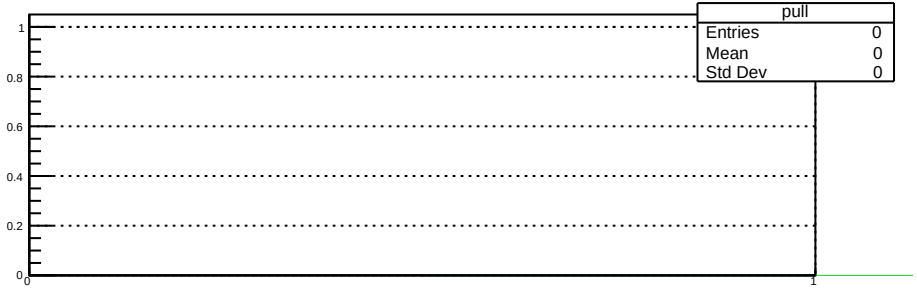

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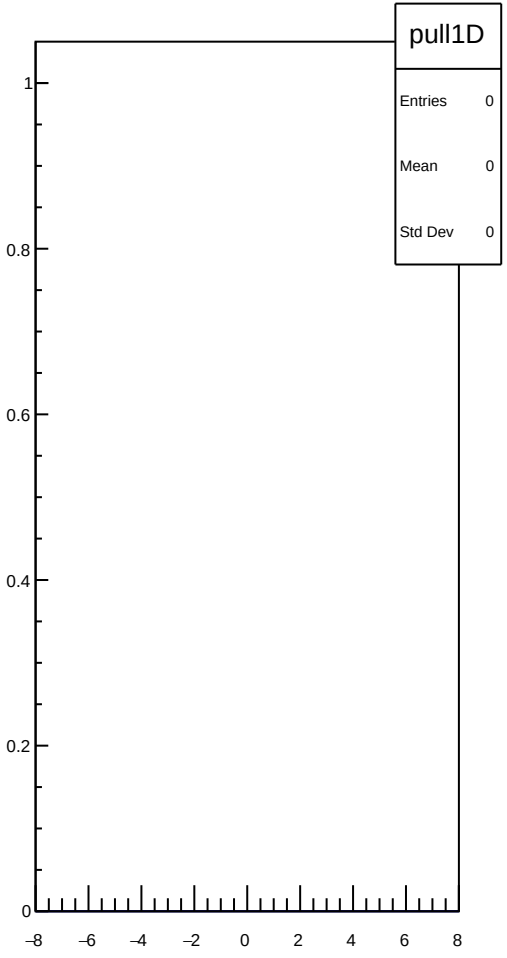

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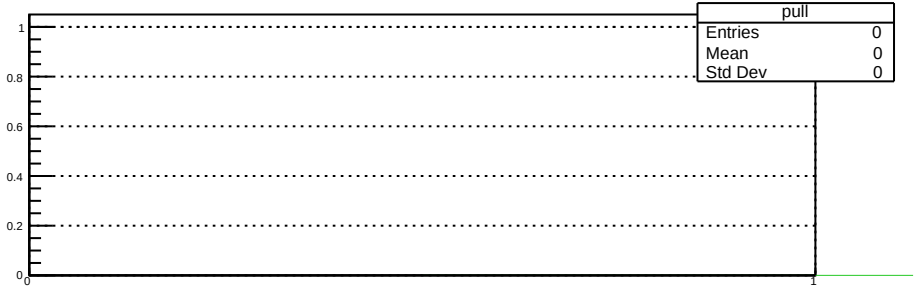

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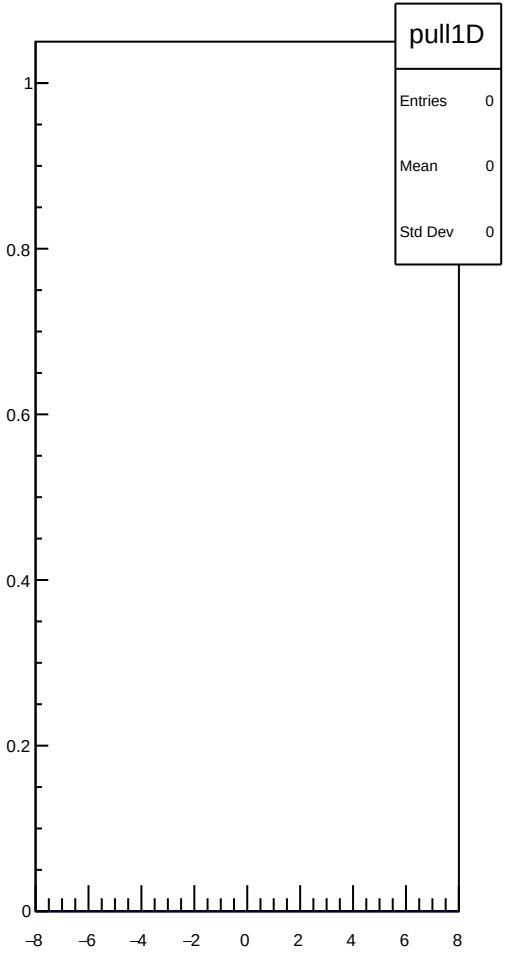

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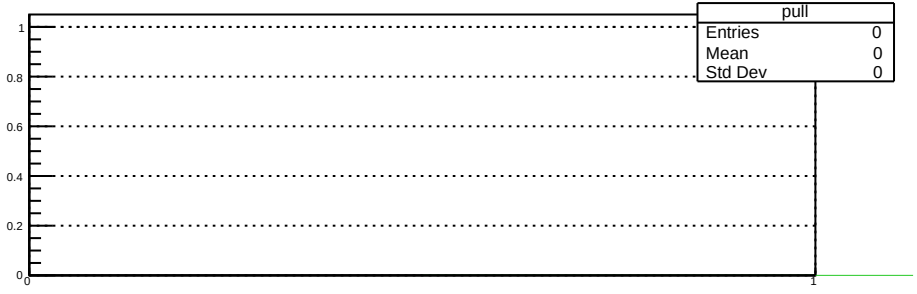

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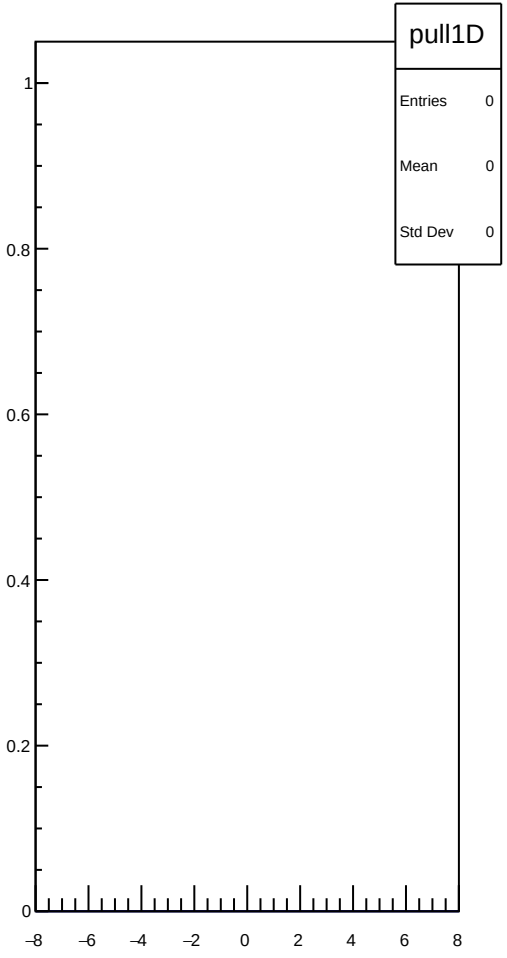

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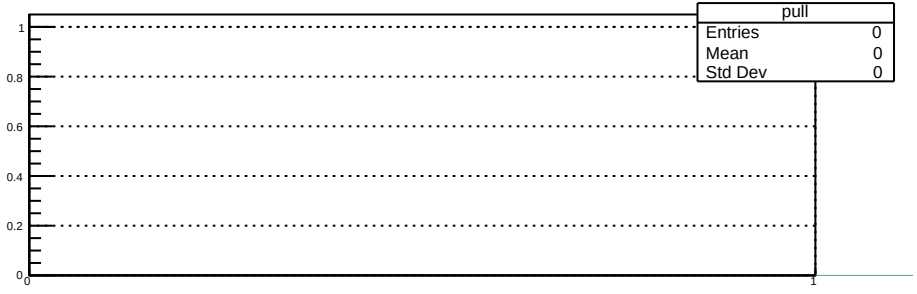

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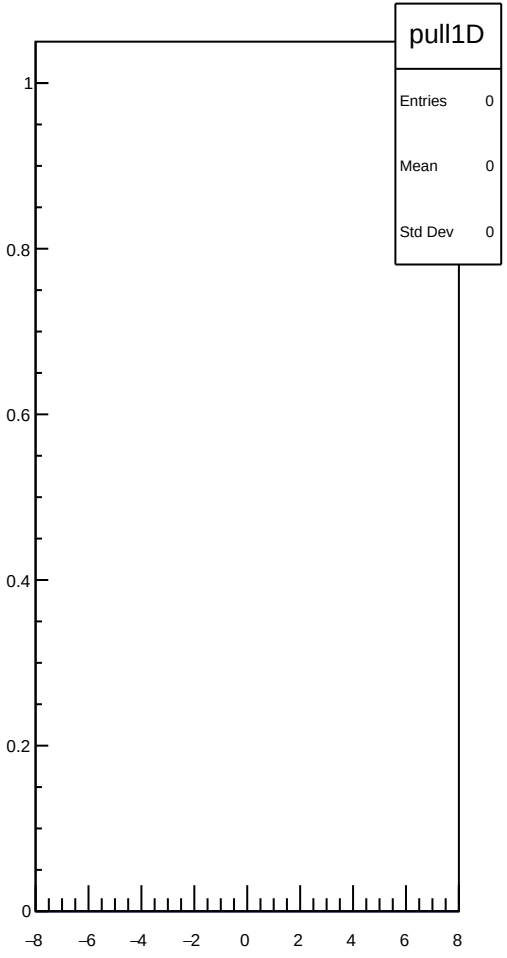

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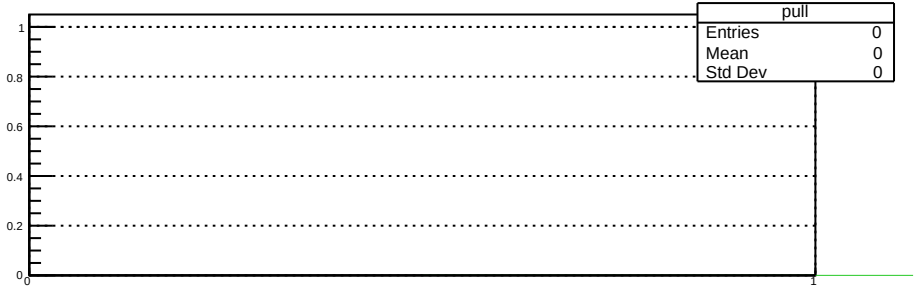

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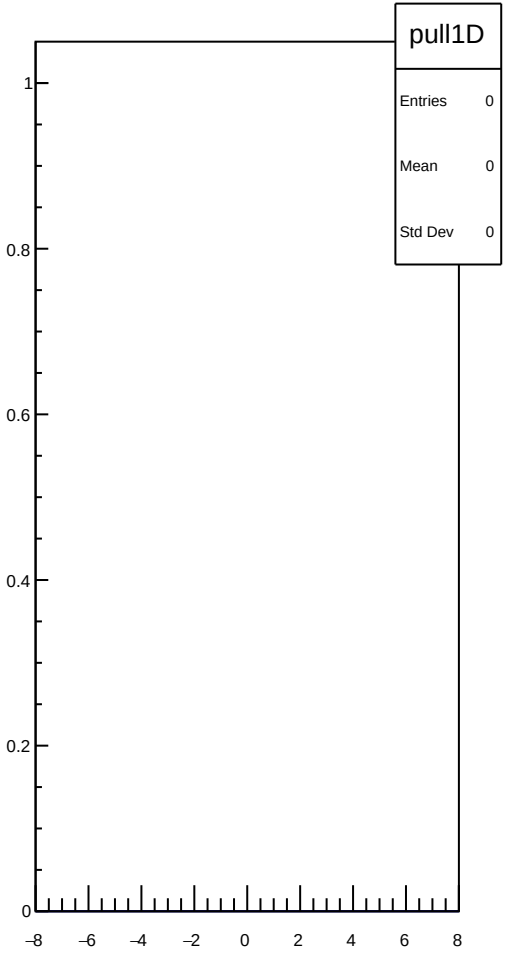

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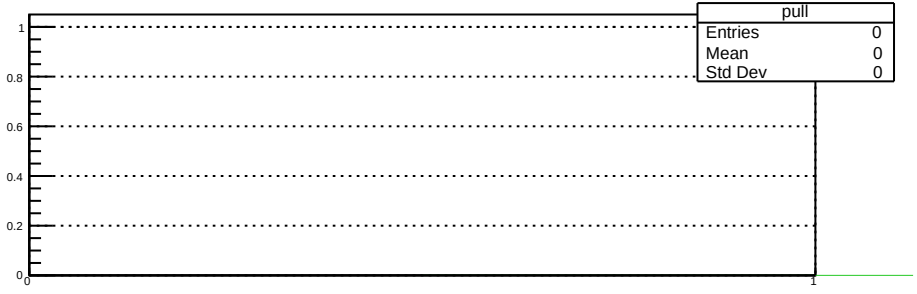

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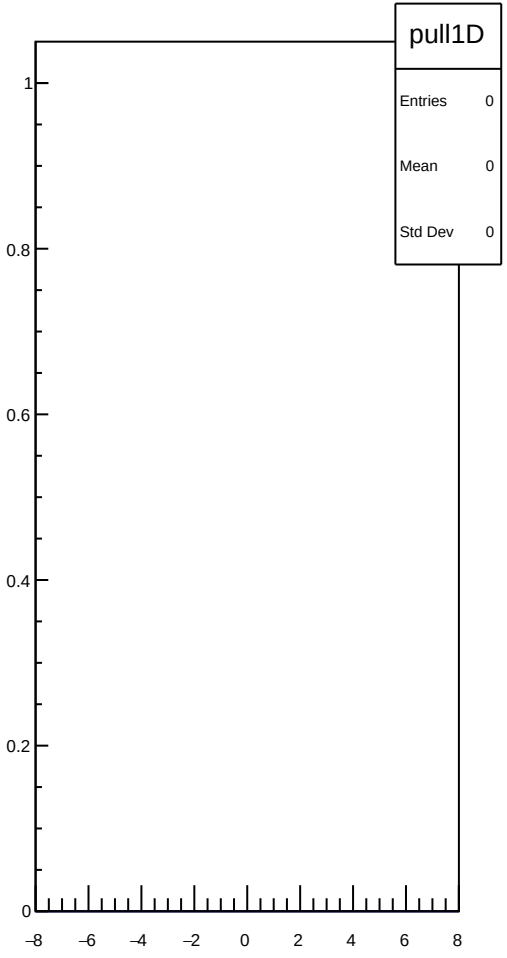

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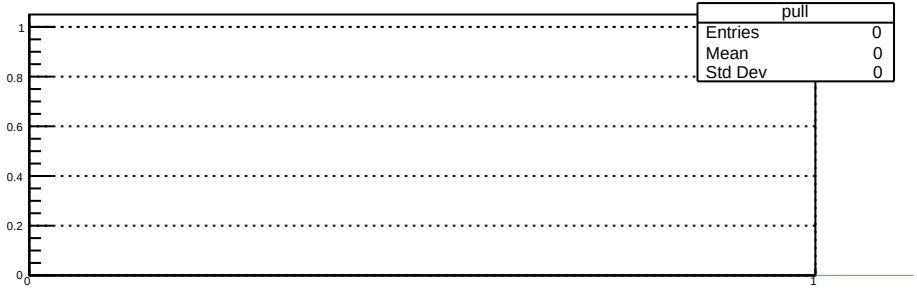

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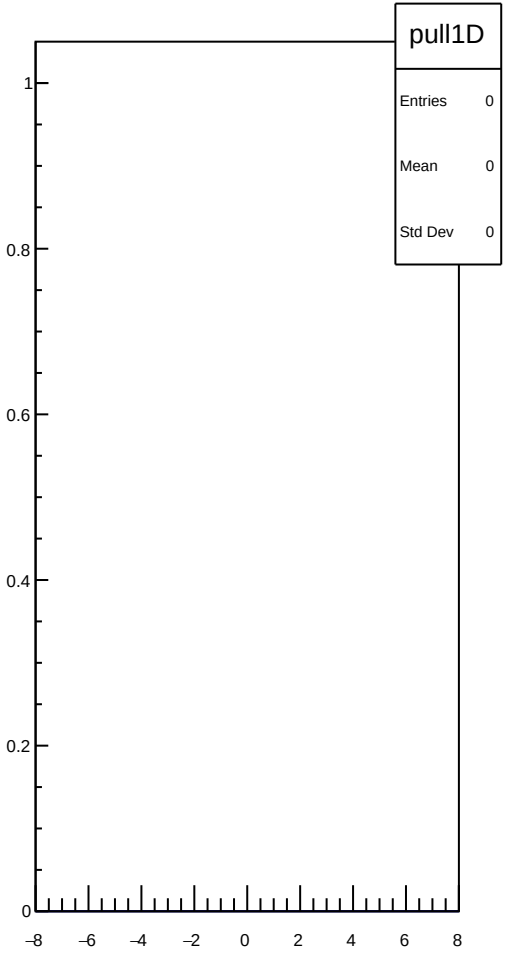

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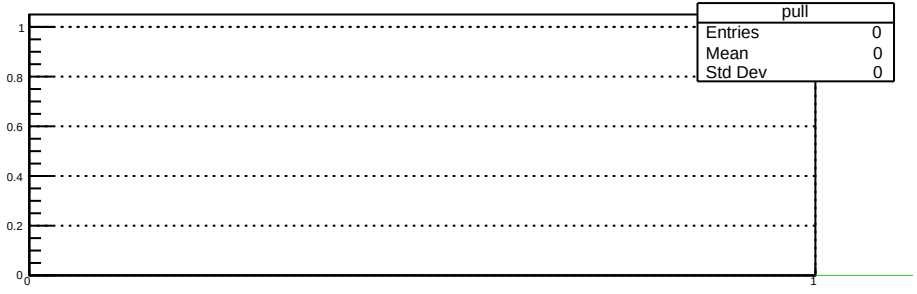

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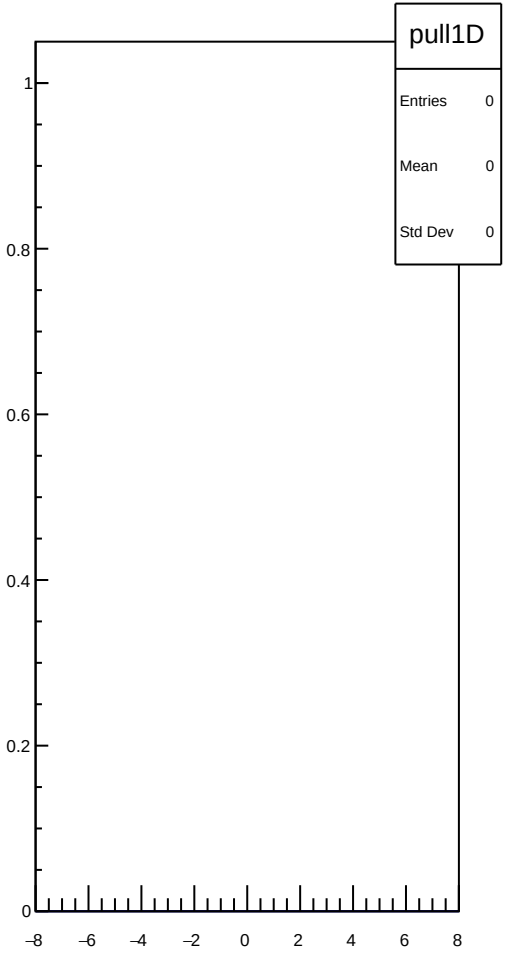

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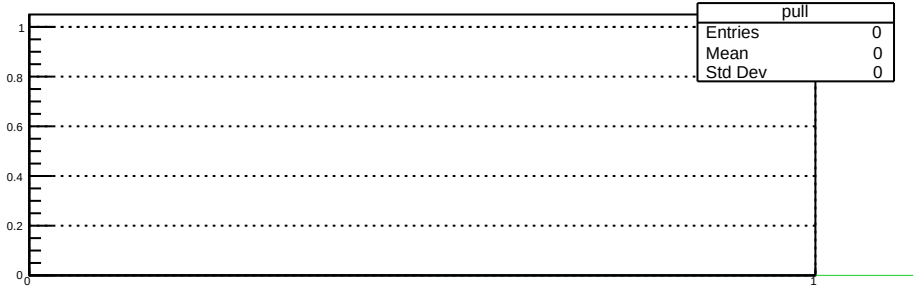

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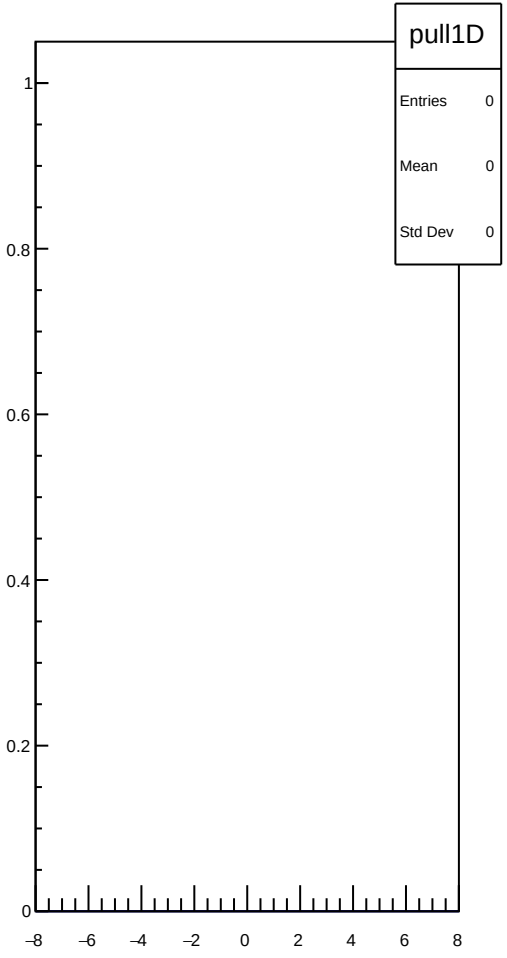

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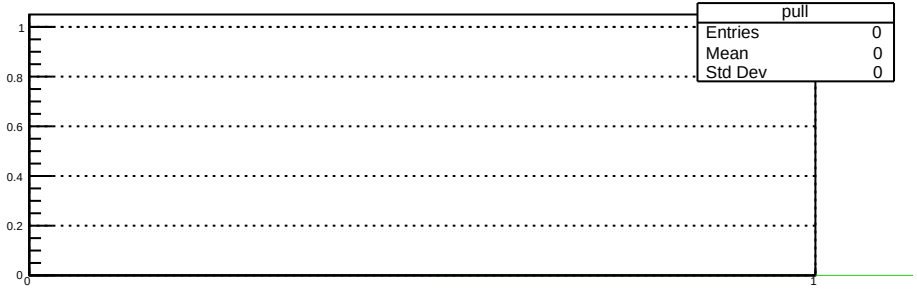

pull1D
Entries 0
Mean 0
Std Dev 0
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0.2
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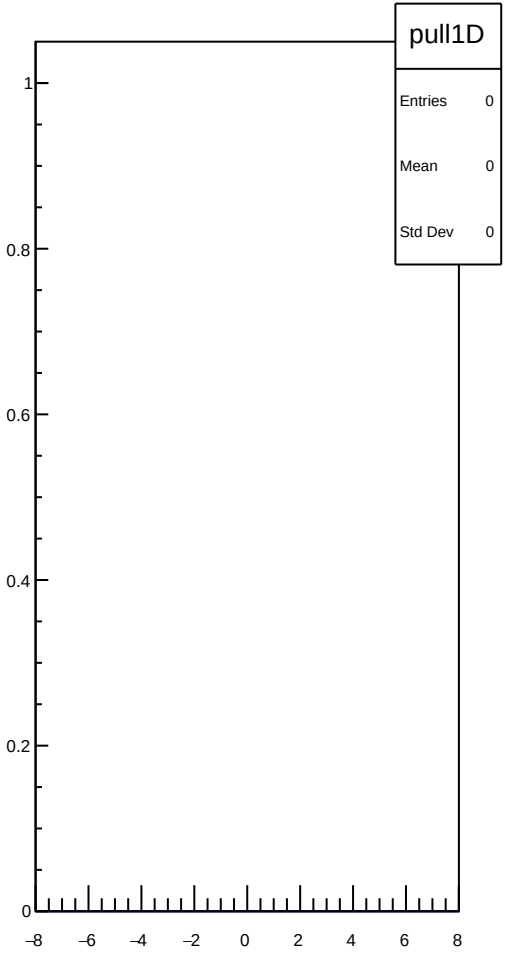

pull
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Std Dev 0
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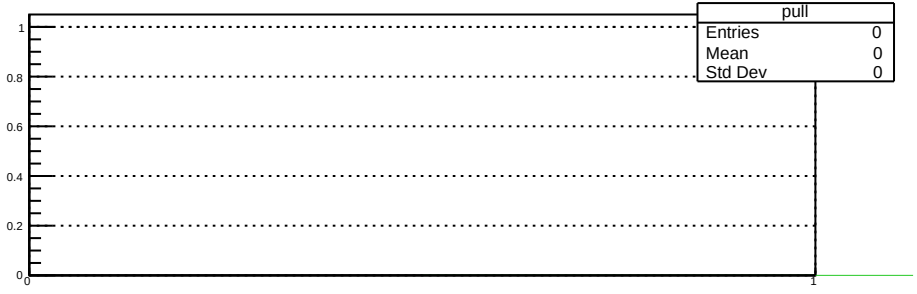

pull1D
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Std Dev 0
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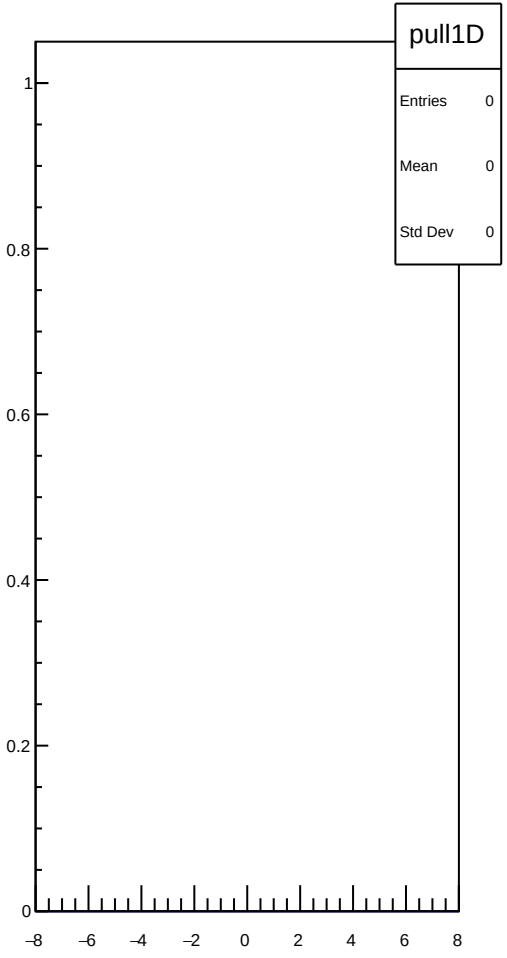

pull
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Std Dev 0
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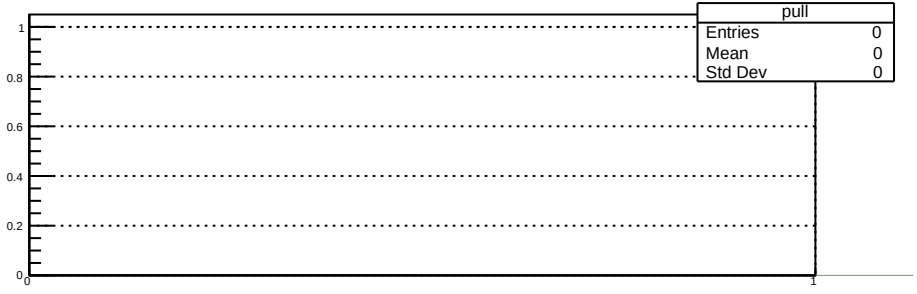

pull1D
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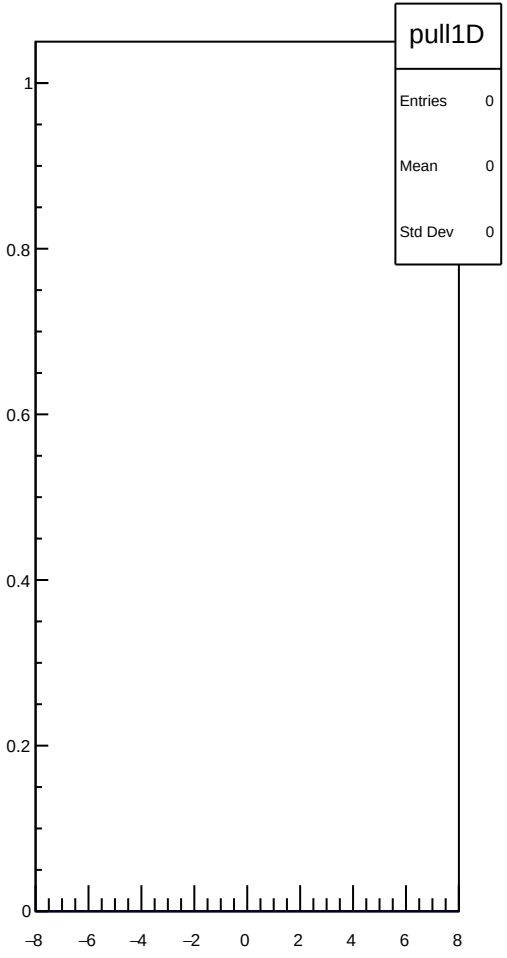

pull
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Std Dev 0
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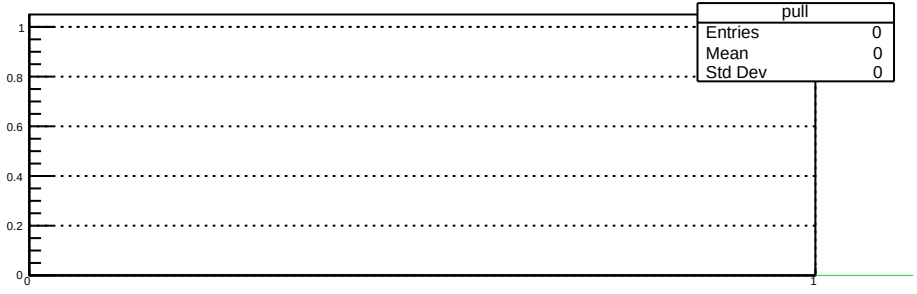

pull1D
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Std Dev 0
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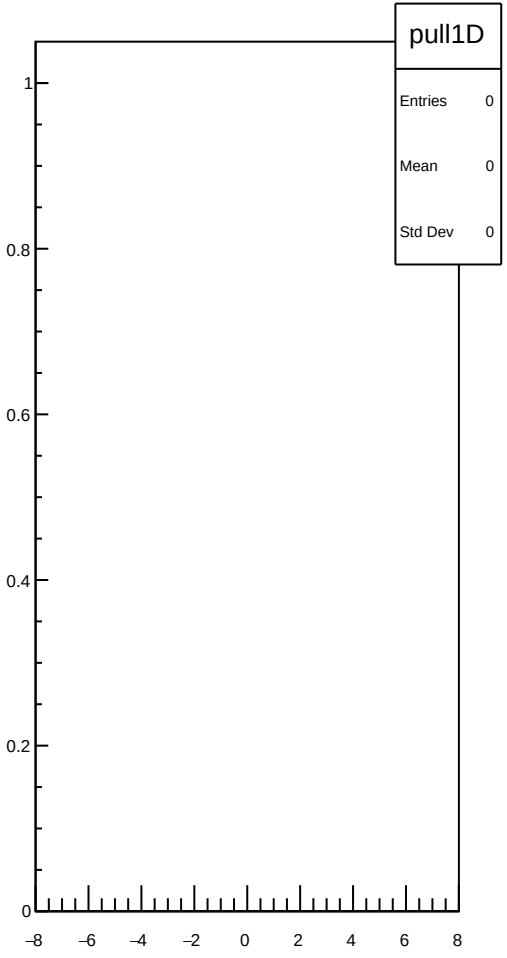

pull
Entries 0
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Std Dev 0
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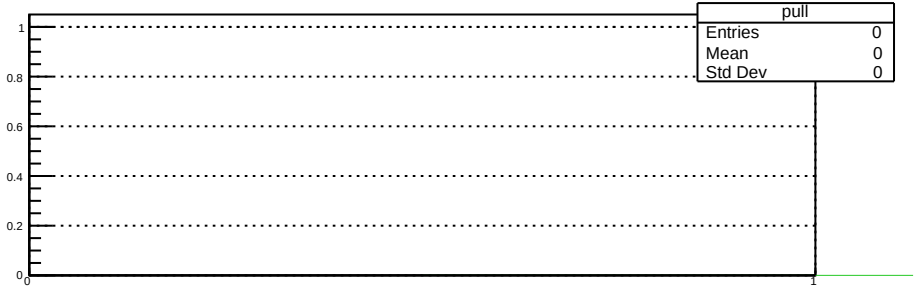

pull1D
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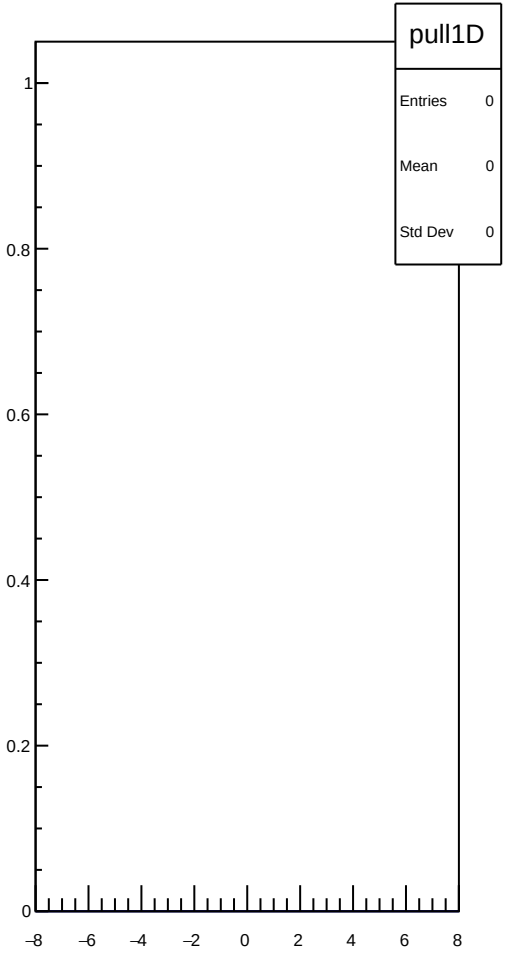

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Std Dev 0
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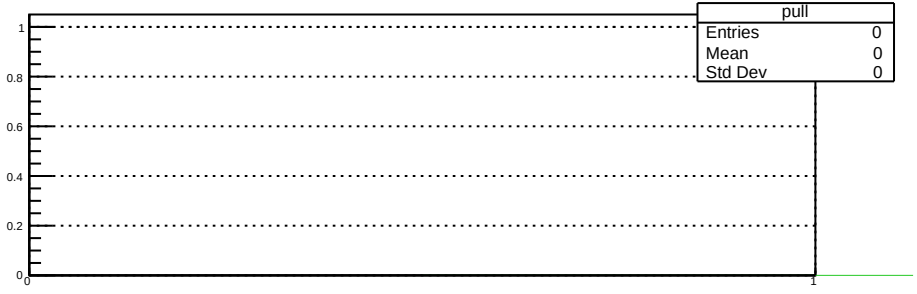

pull1D
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Std Dev 0
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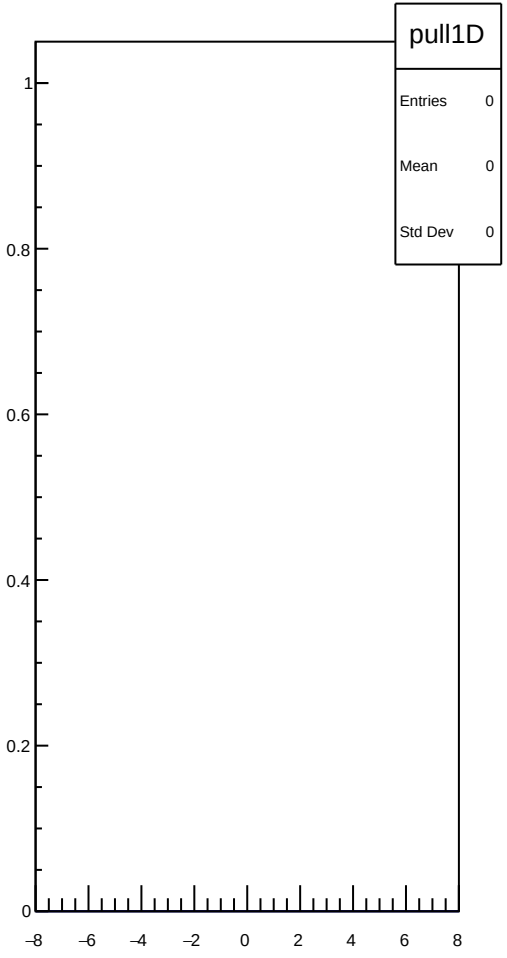

pull
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Std Dev 0
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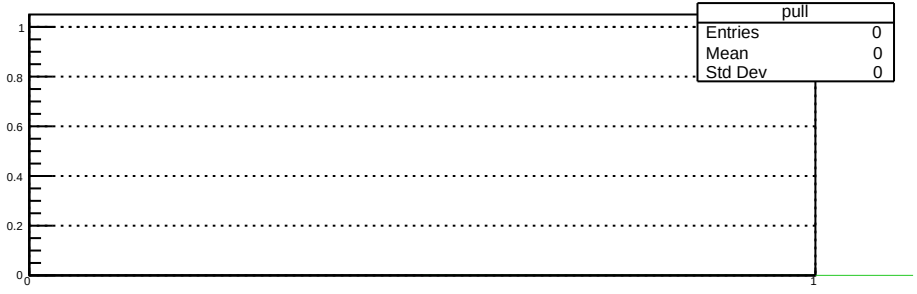

pull1D
Entries 0
Mean 0
Std Dev 0
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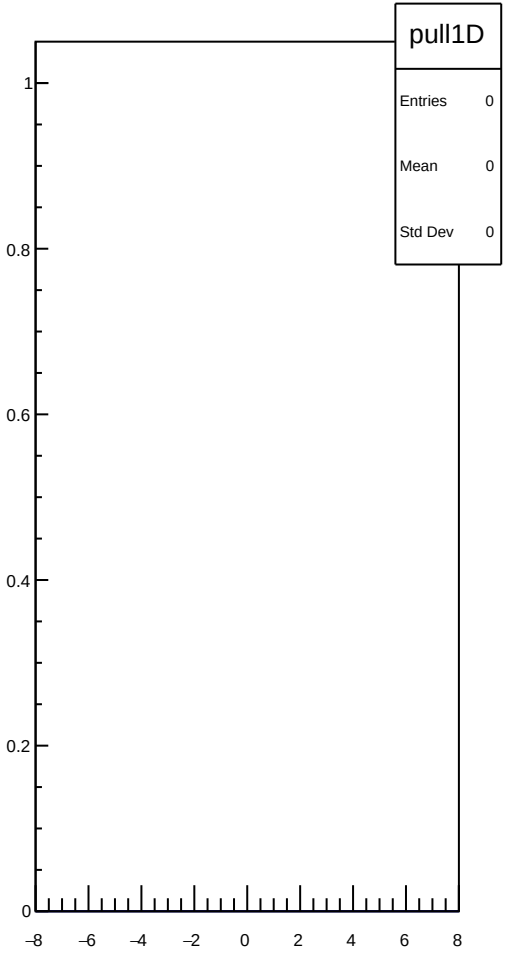

pull
Entries 0
Mean 0
Std Dev 0
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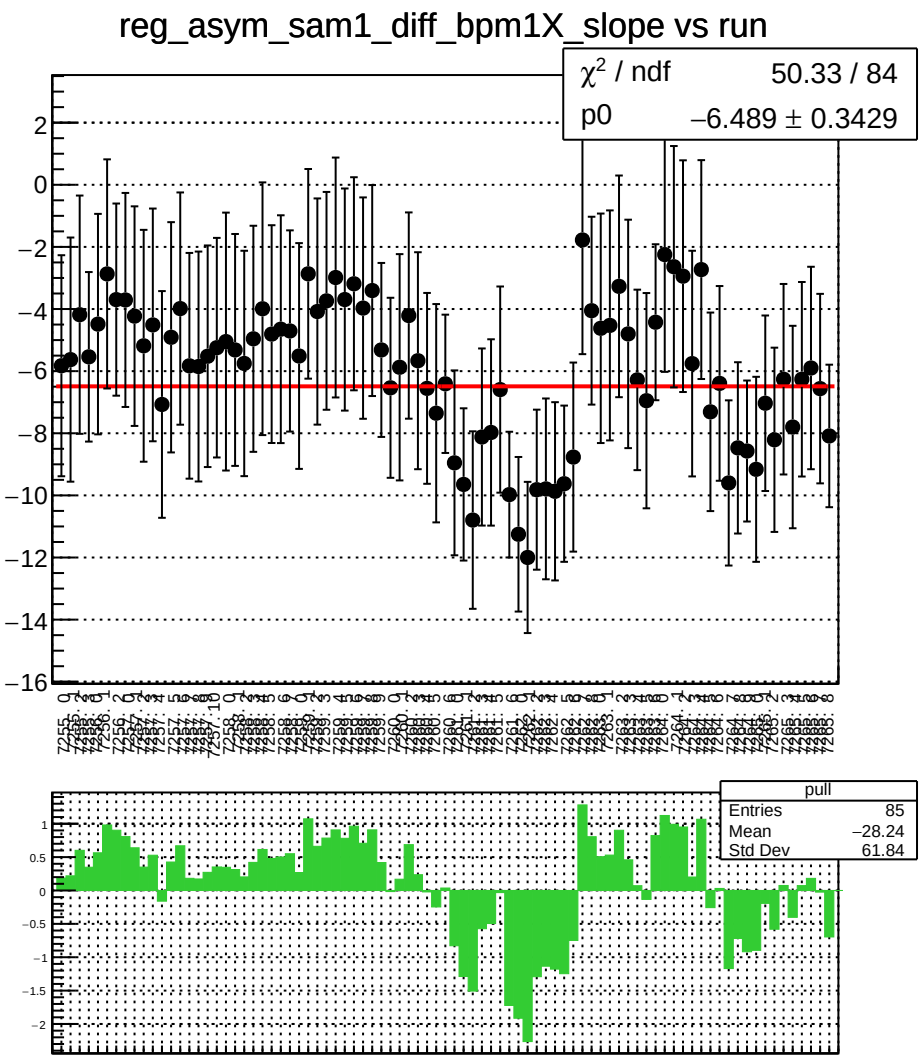

pull1D
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Mean 0
Std Dev 0
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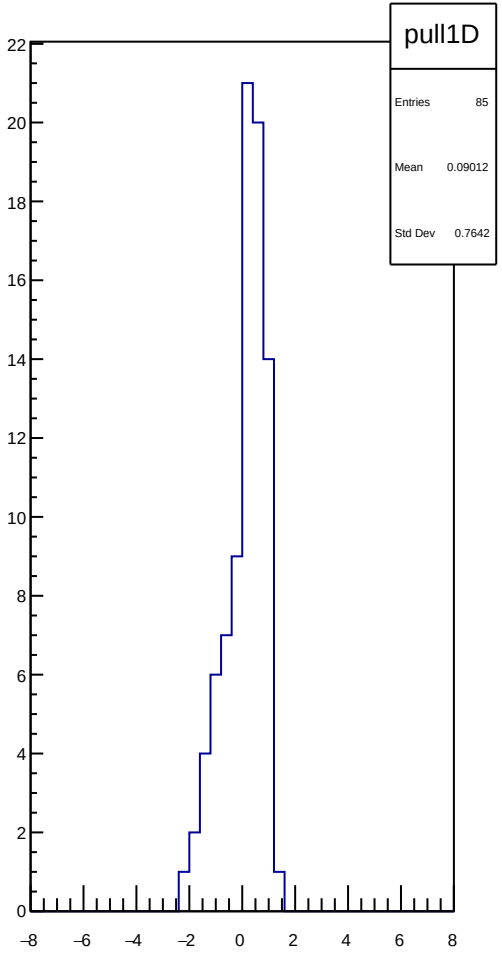

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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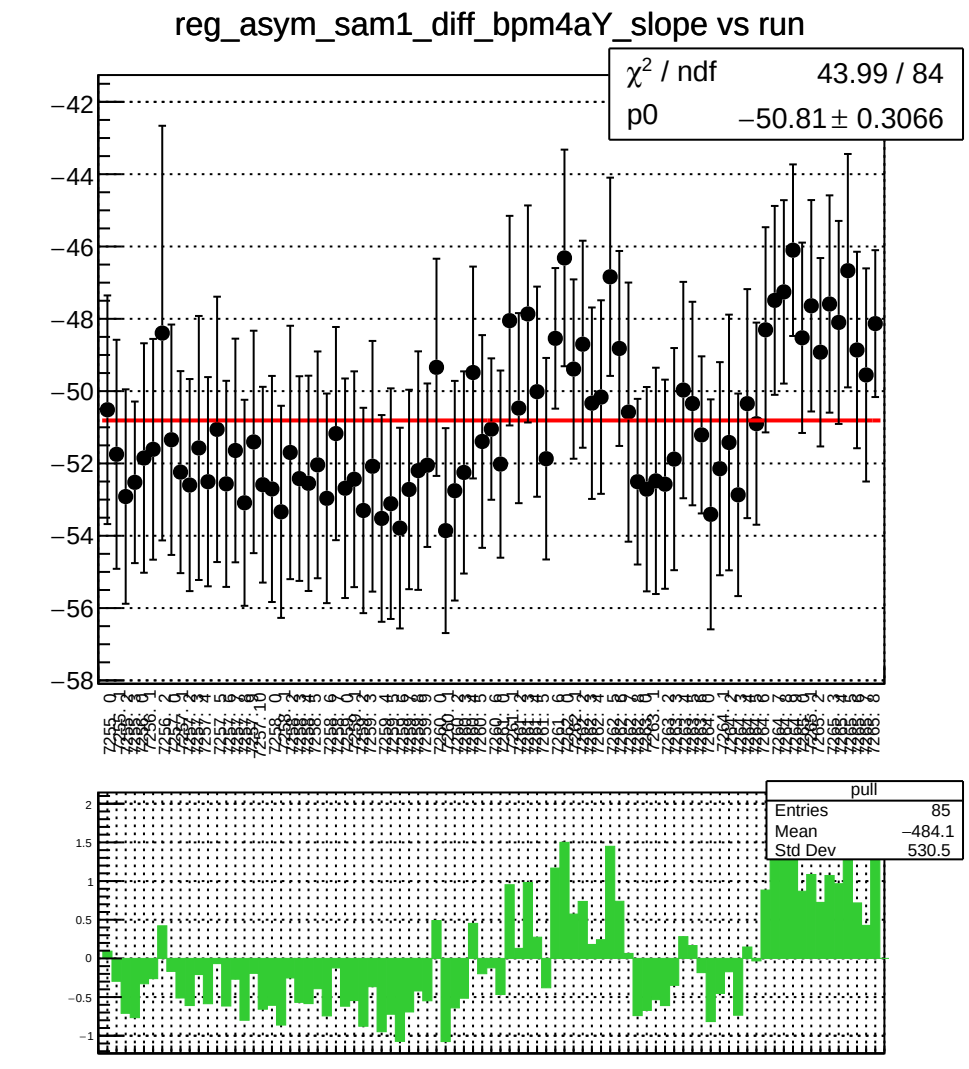

pull1D
Entries 0
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Std Dev 0
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0.4
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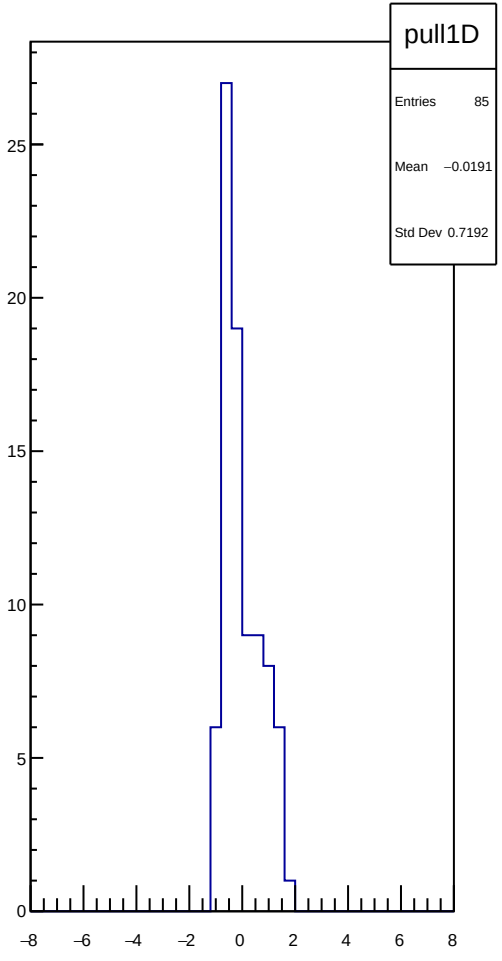

pull
Entries 0
Mean 0
Std Dev 0
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0.4
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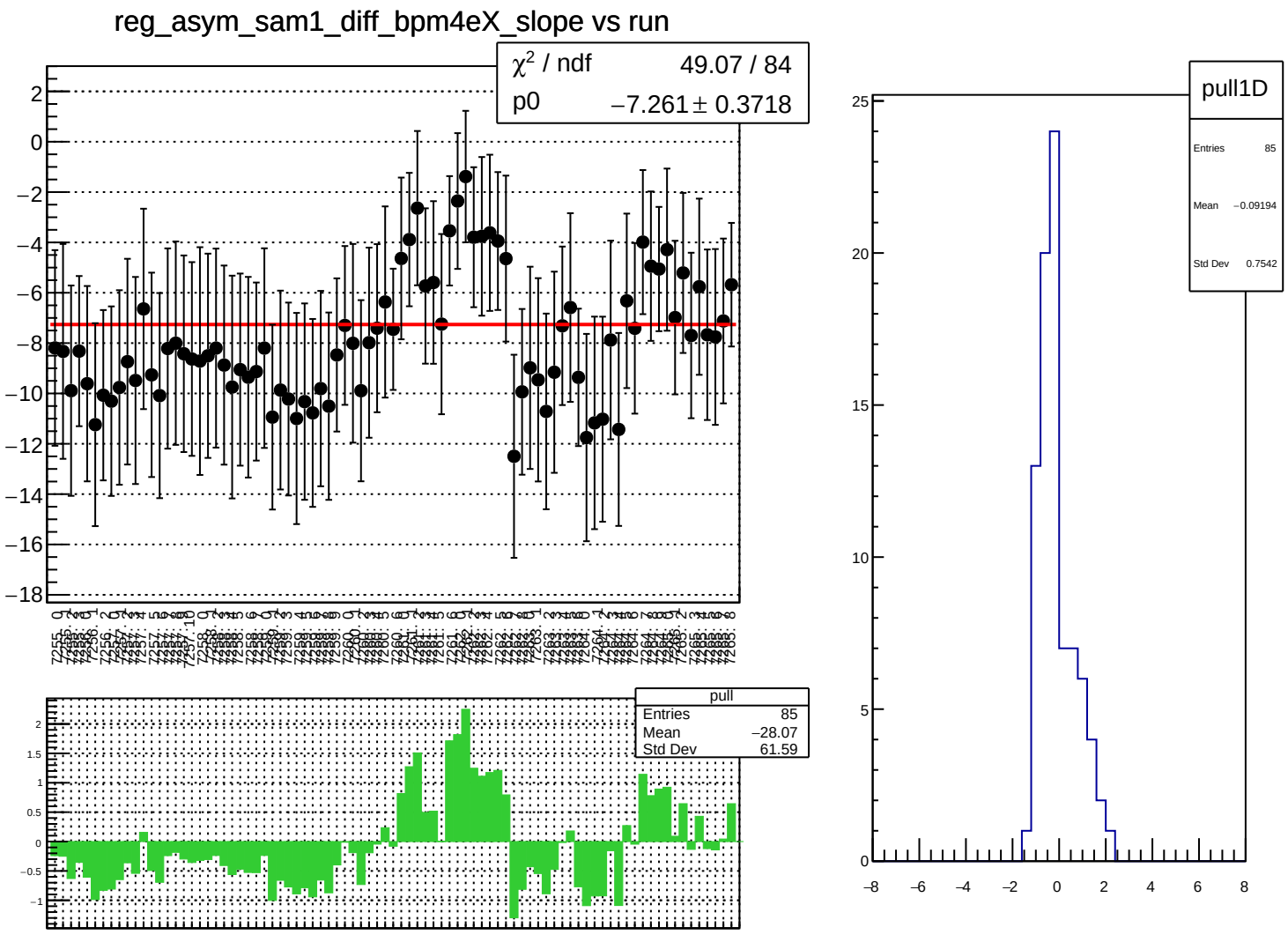

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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–8
–6
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–2
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2
4
6
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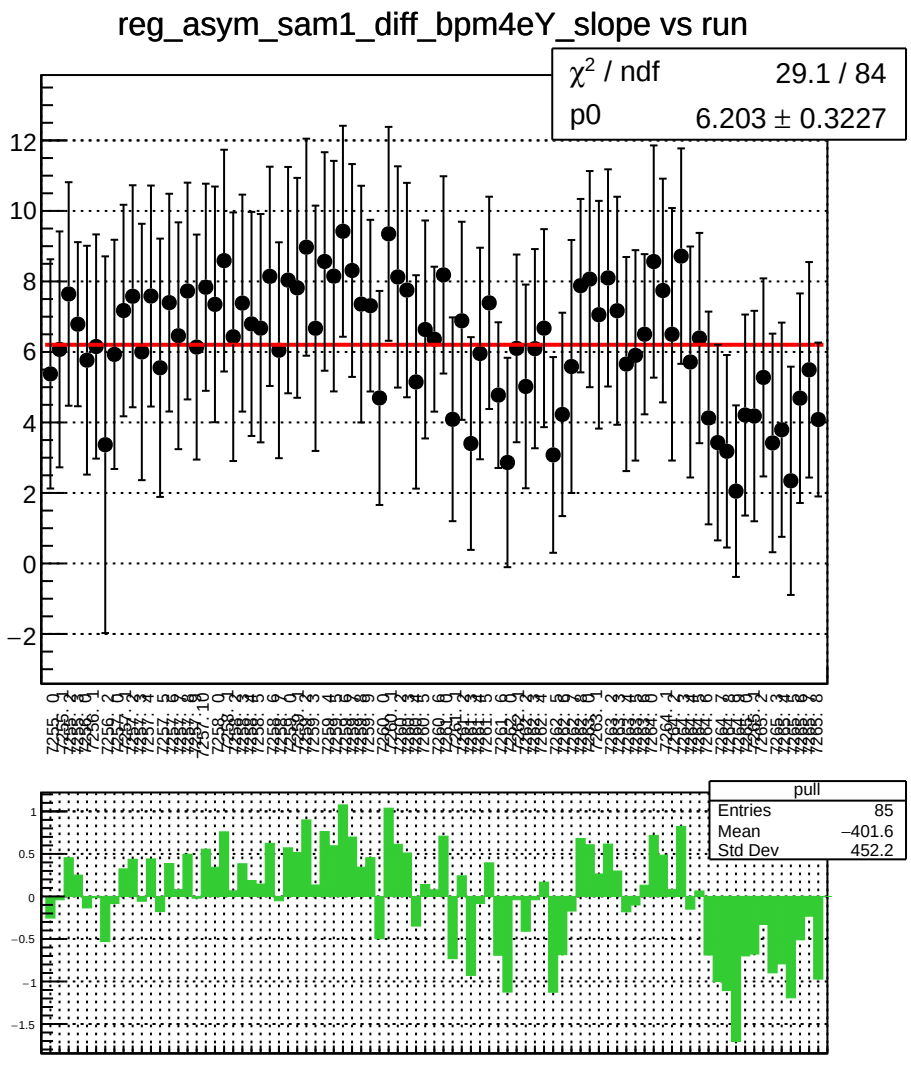

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 50.33 / 84
p0 −6.489 ± 0.3429
pull
Entries 85
Mean −28.24
Std Dev 61.84

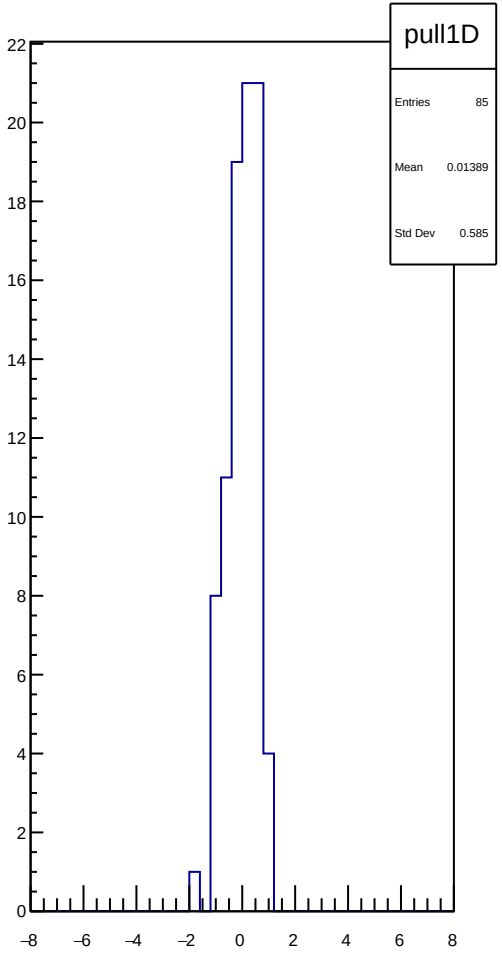

pull1D
Entries 85
Mean 0.09012
Std Dev 0.7642

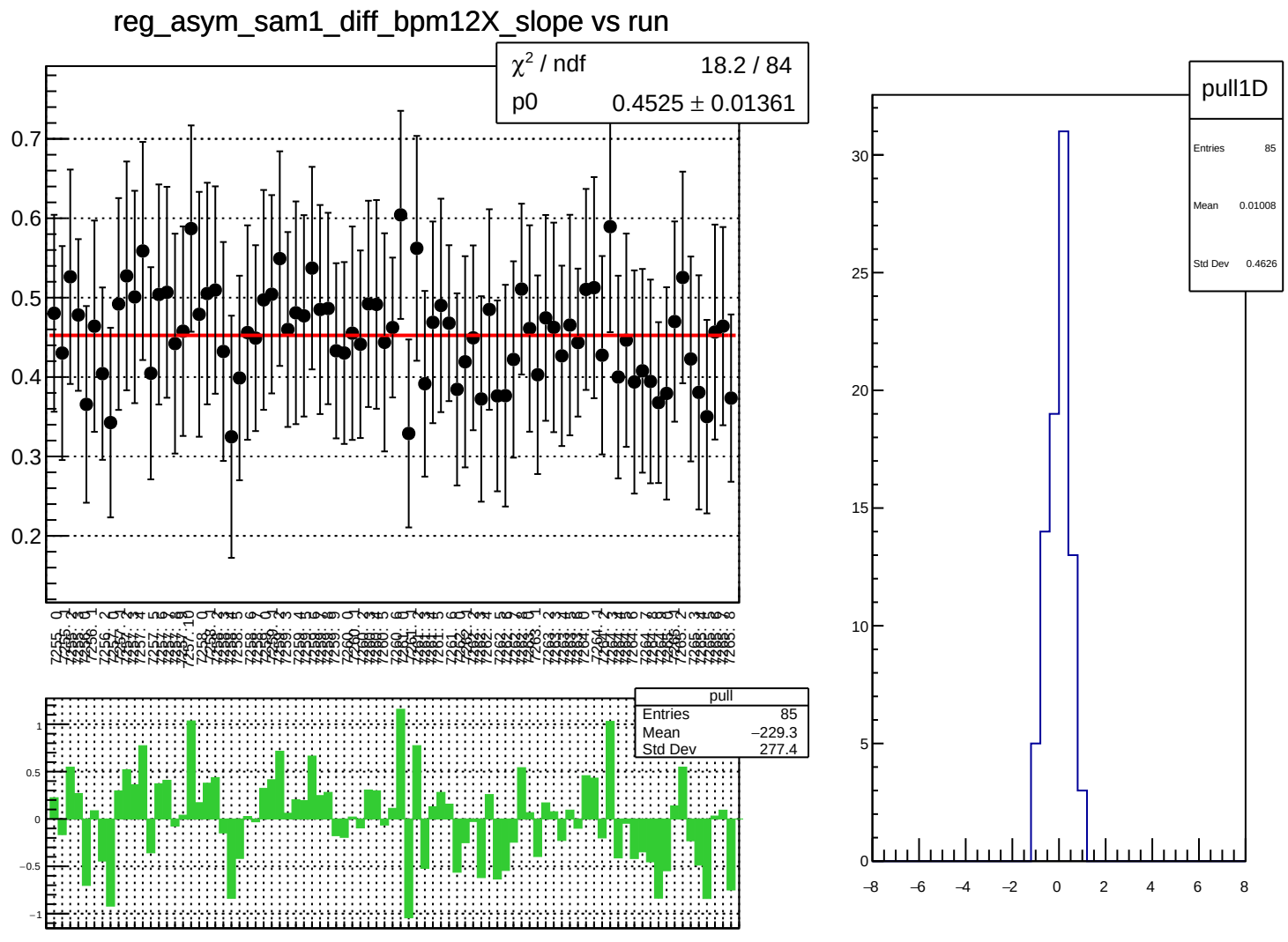

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 43.99 / 84
p0 −50.81 ± 0.3066
pull
Entries 85
Mean −484.1
Std Dev 530.5

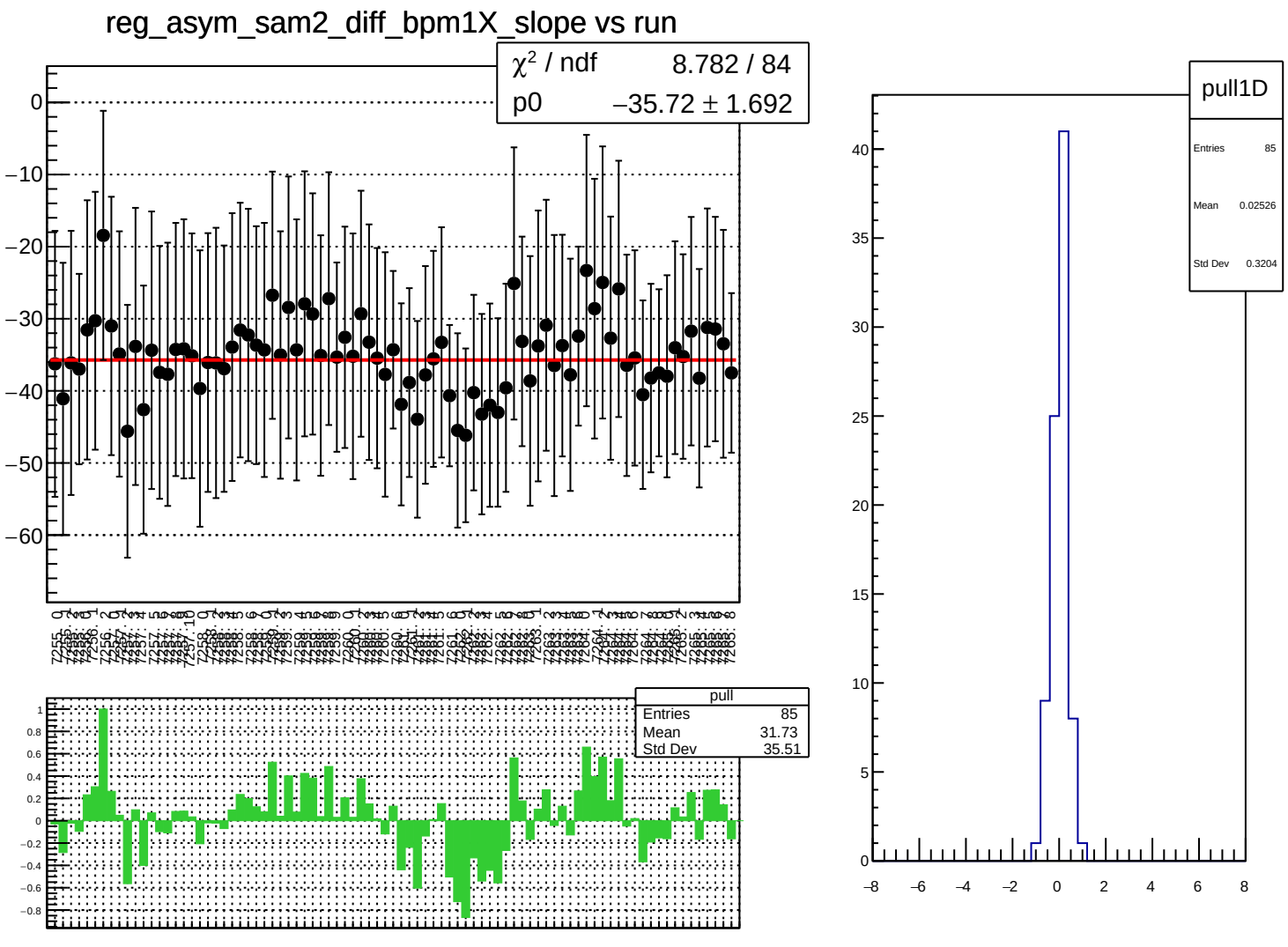

pull1D
Entries 85
Mean −0.0191
Std Dev 0.7192

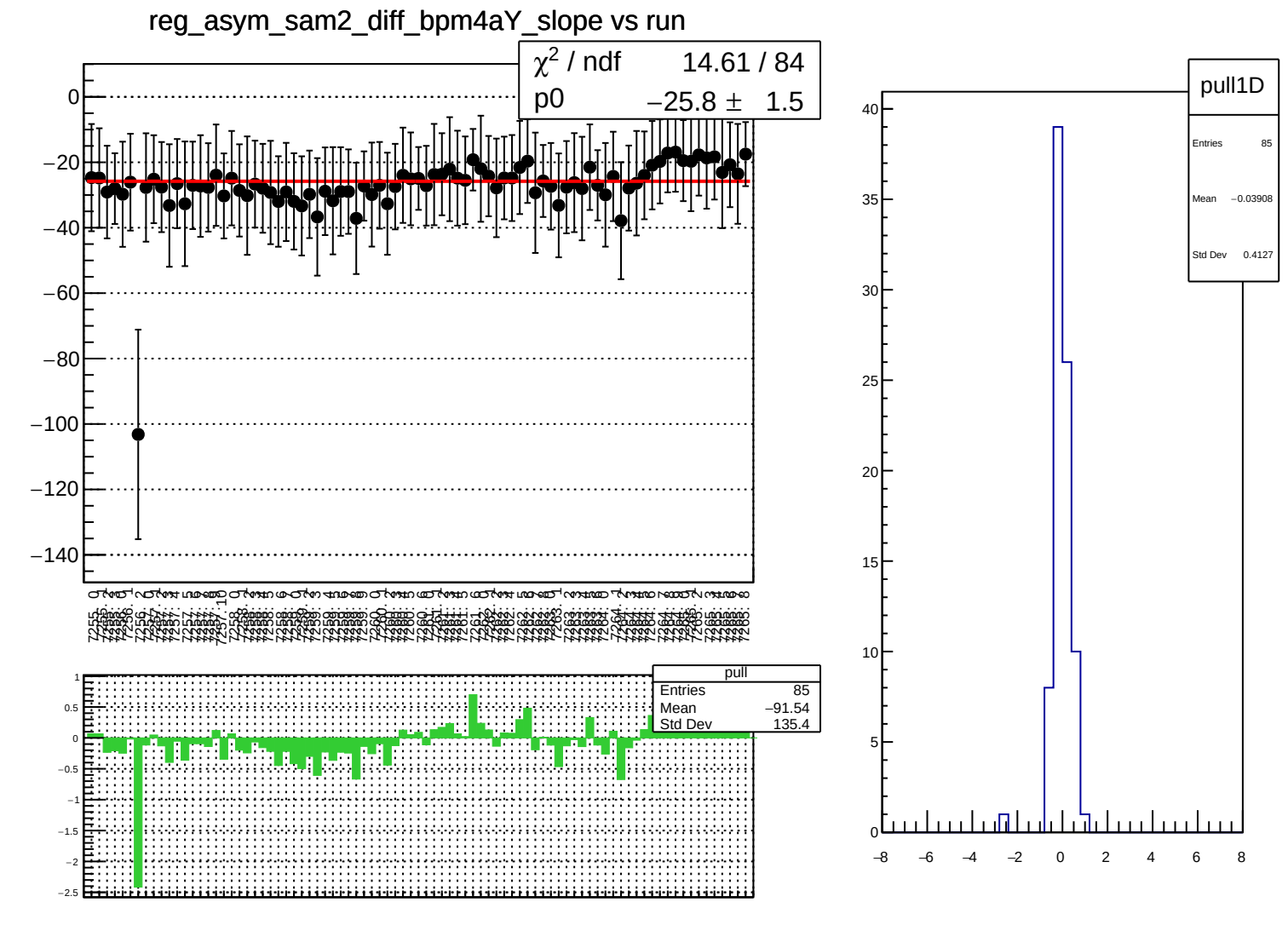

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 49.07 / 84
p0 −7.261 ± 0.3718
pull
Entries 85
Mean −28.07
Std Dev 61.59
pull1D
Entries 85
Mean −0.09194
Std Dev 0.7542

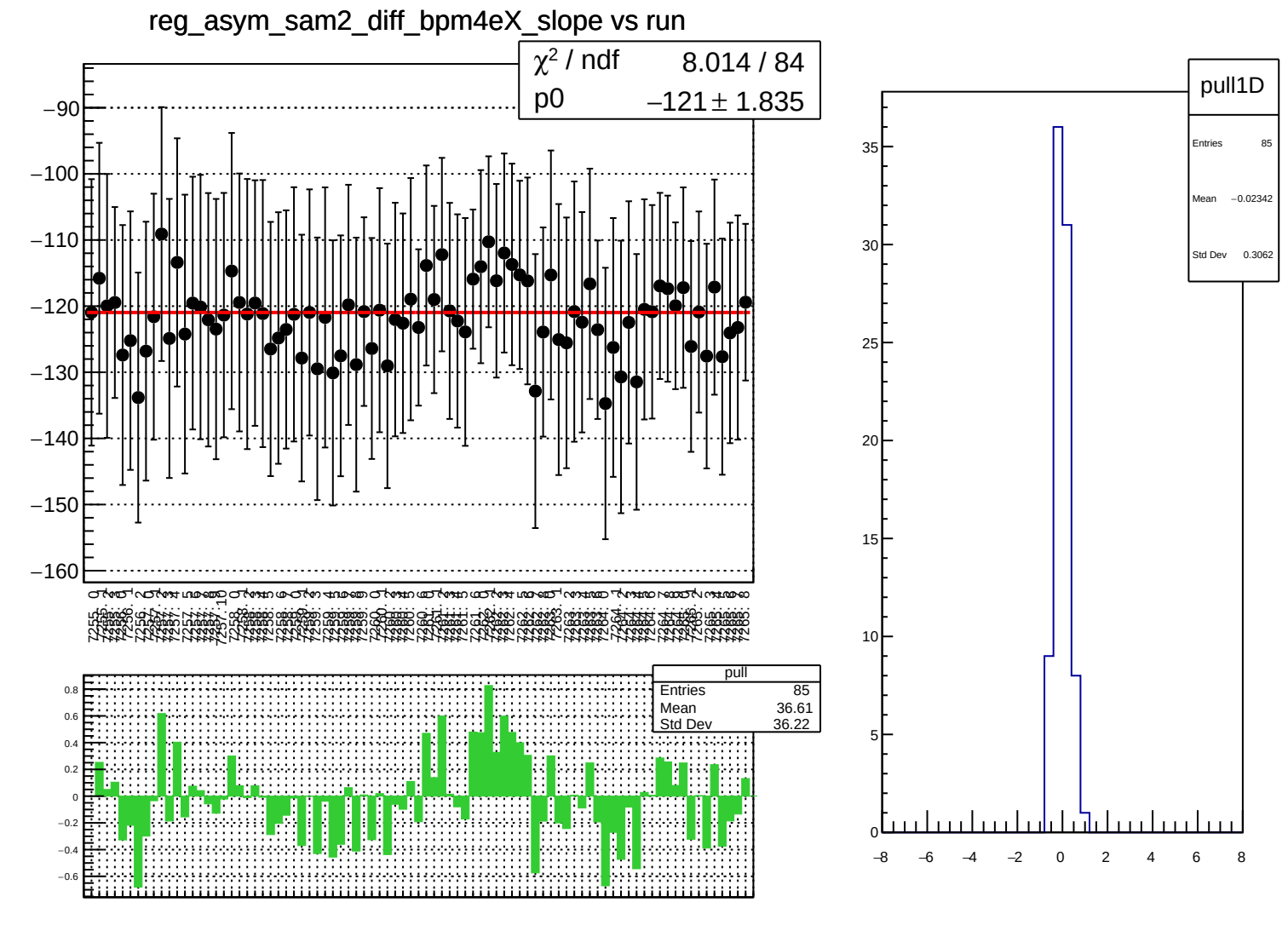

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 29.1 / 84
p0 6.203 ± 0.3227
pull
Entries 85
Mean −401.6
Std Dev 452.2

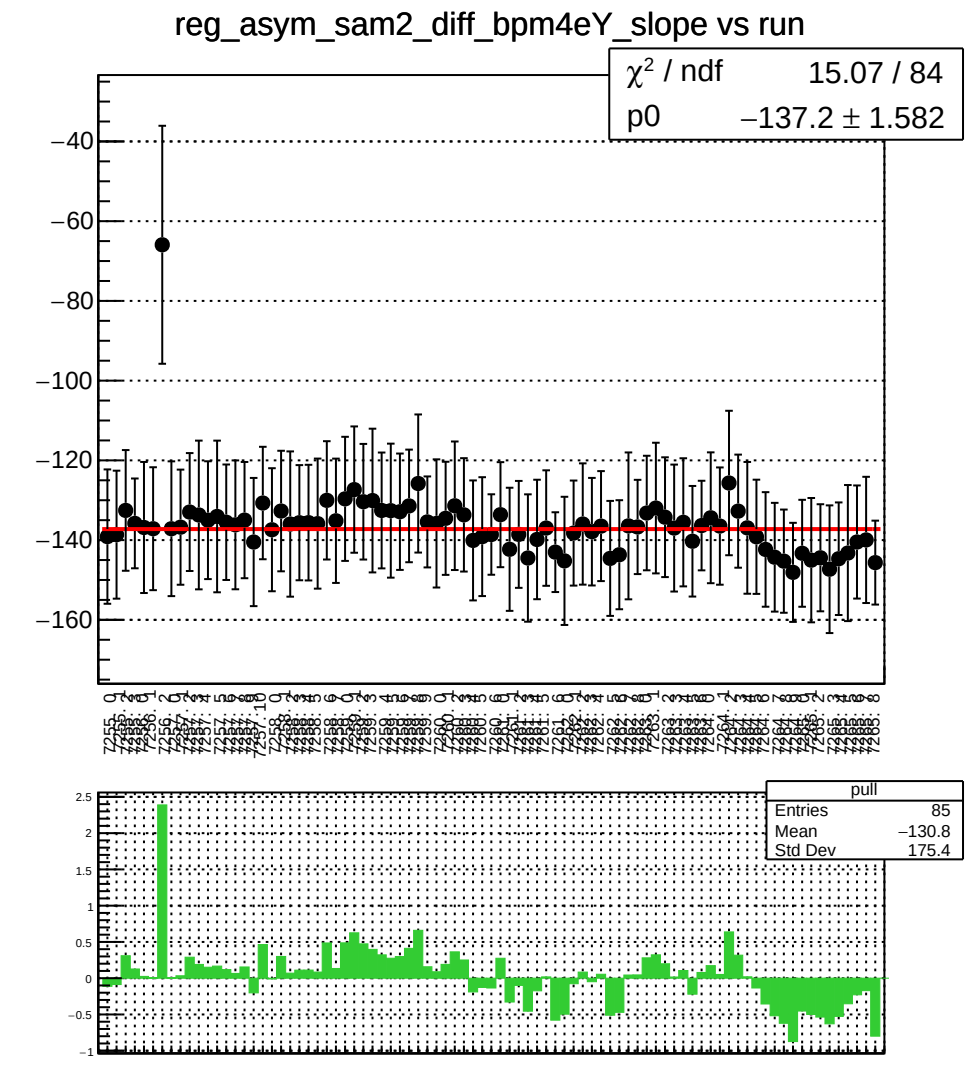

pull1D
Entries 85
Mean 0.01389
Std Dev 0.585

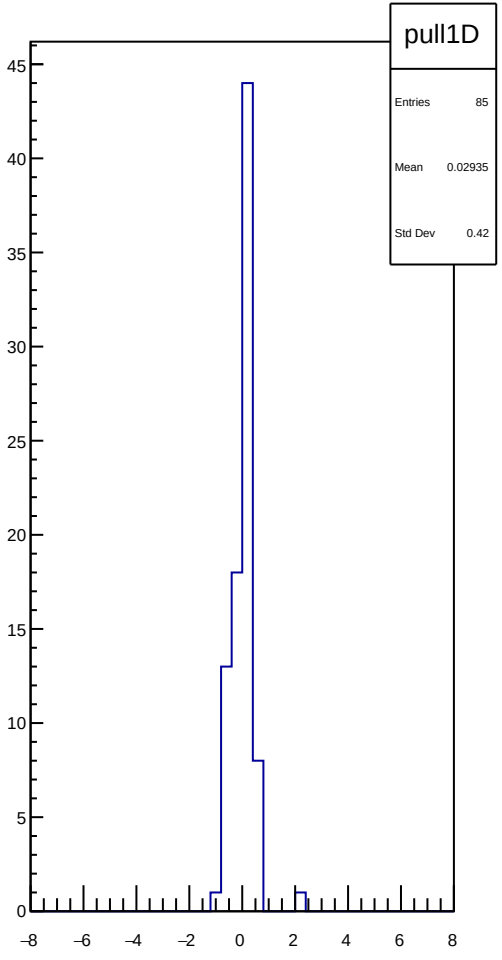

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 18.2 / 84
p0 0.4525 ± 0.01361
pull
Entries 85
Mean −229.3
Std Dev 277.4
pull1D
Entries 85
Mean 0.01008
Std Dev 0.4626

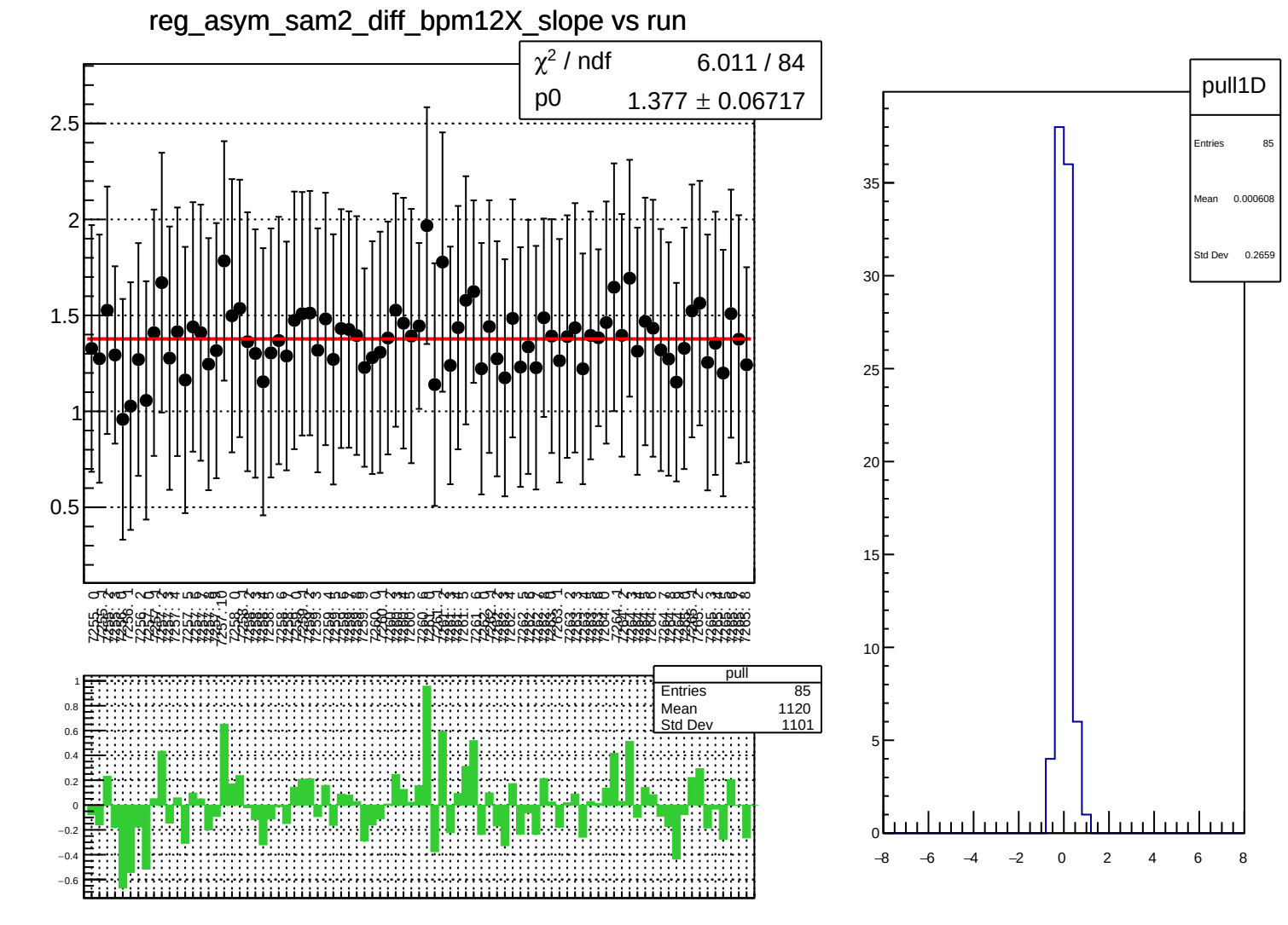

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 8.782 / 84
p0 −35.72 ± 1.692
pull
Entries 85
Mean 31.73
Std Dev 35.51
pull1D
Entries 85
Mean 0.02526
Std Dev 0.3204

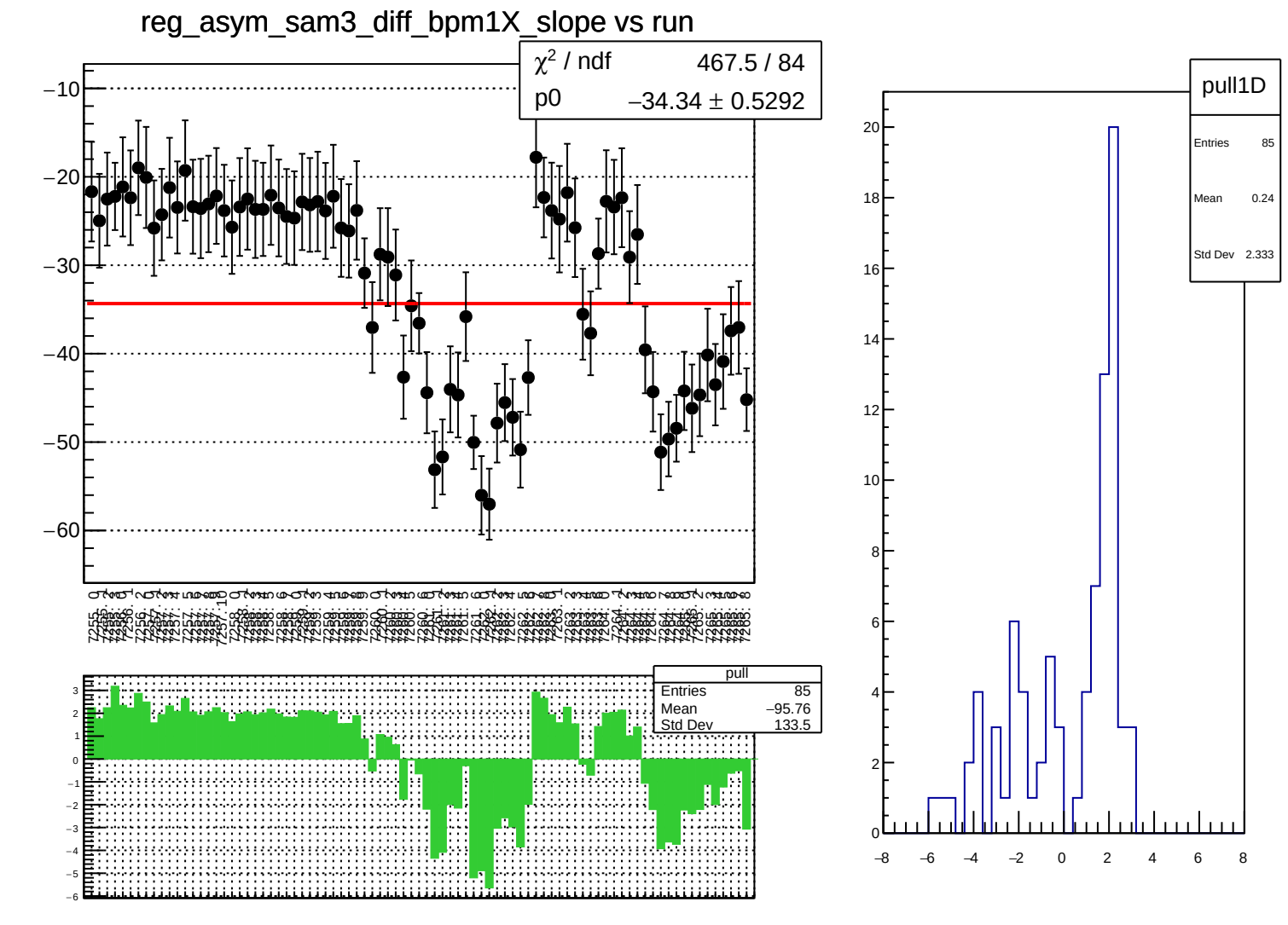

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 14.61 / 84
p0 −25.8 ± 1.5
pull
Entries 85
Mean −91.54
Std Dev 135.4
pull1D
Entries 85
Mean −0.03908
Std Dev 0.4127

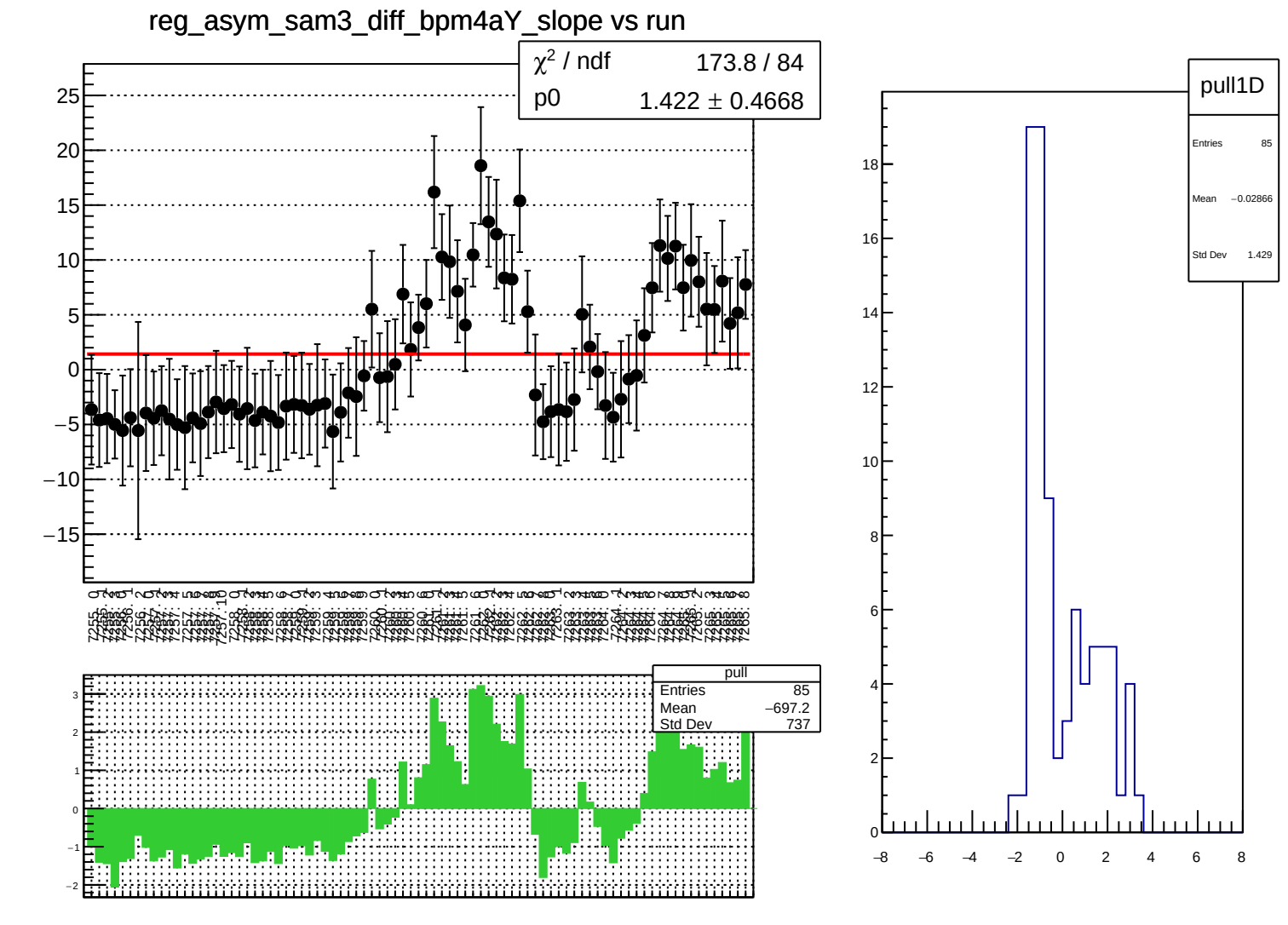

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 8.014 / 84
p0 −121 ± 1.835
pull
Entries 85
Mean 36.61
Std Dev 36.22
pull1D
Entries 85
Mean −0.02342
Std Dev 0.3062

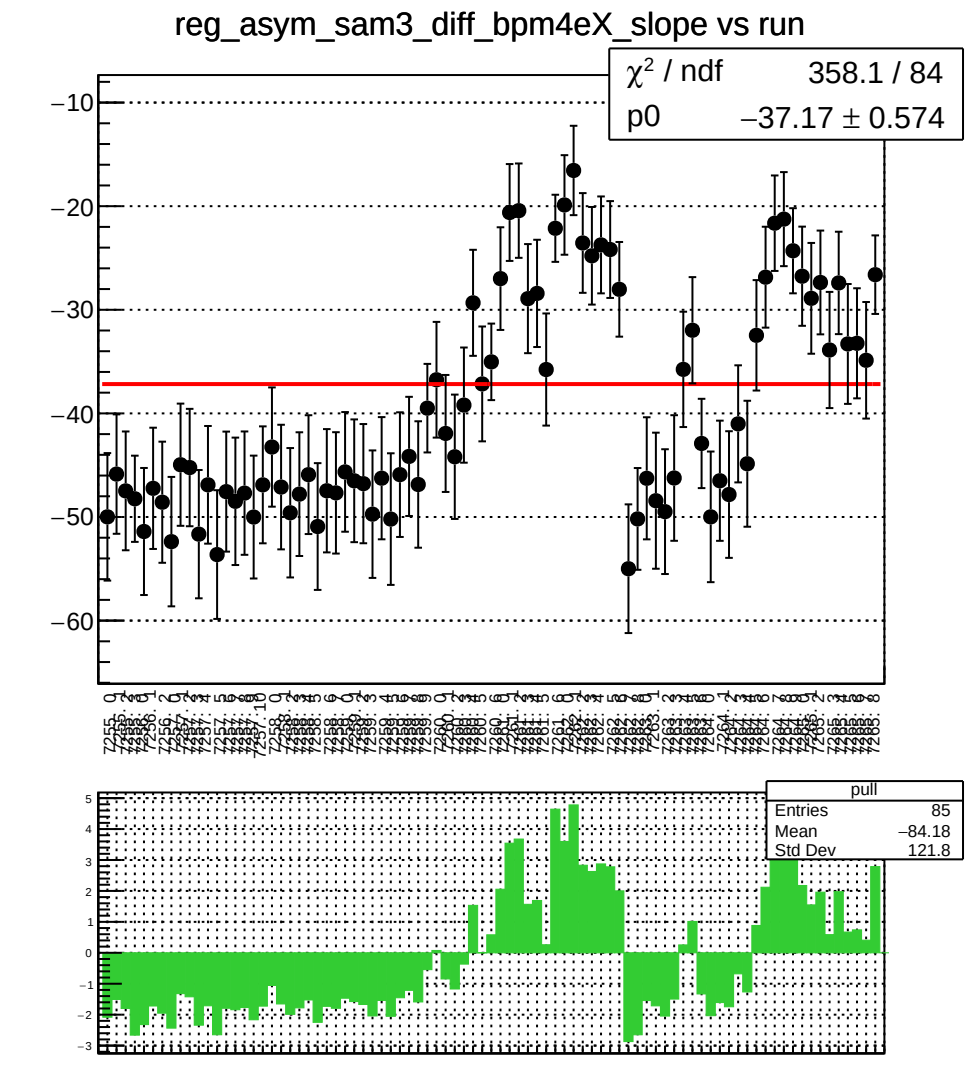

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 15.07 / 84
p0 −137.2 ± 1.582
pull
Entries 85
Mean −130.8
Std Dev 175.4

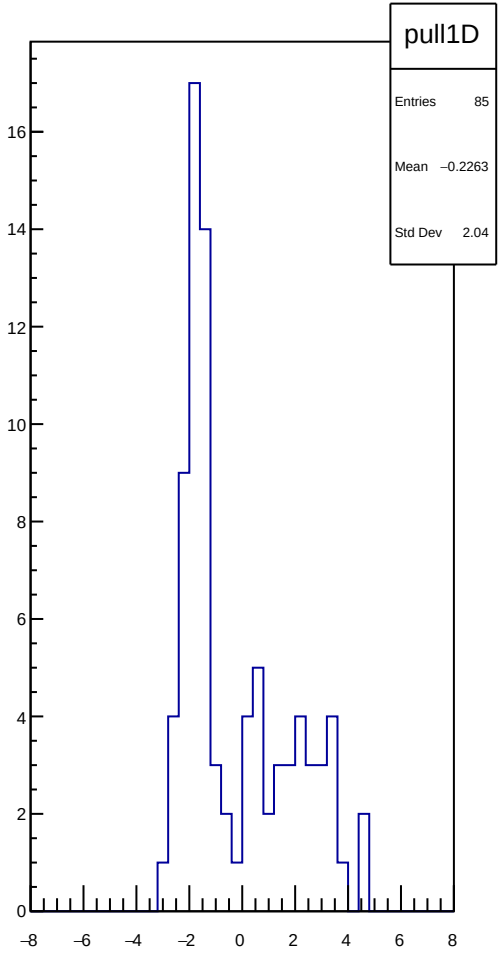

pull1D
Entries 85
Mean 0.02935
Std Dev 0.42

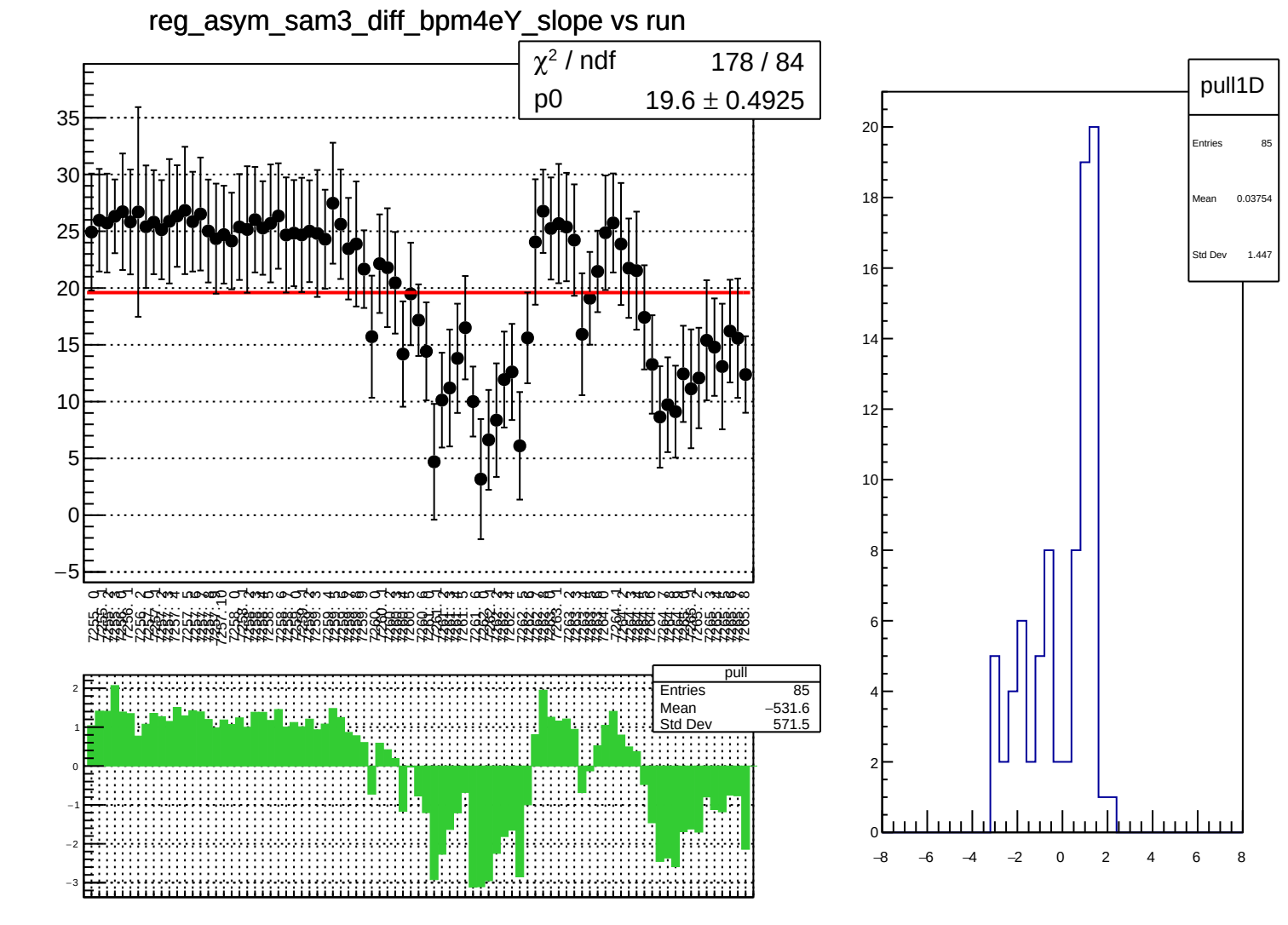

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 6.011 / 84
p0 1.377 ± 0.06717
pull
Entries 85
Mean 1120
Std Dev 1101
pull1D
Entries 85
Mean 0.000608
Std Dev 0.2659

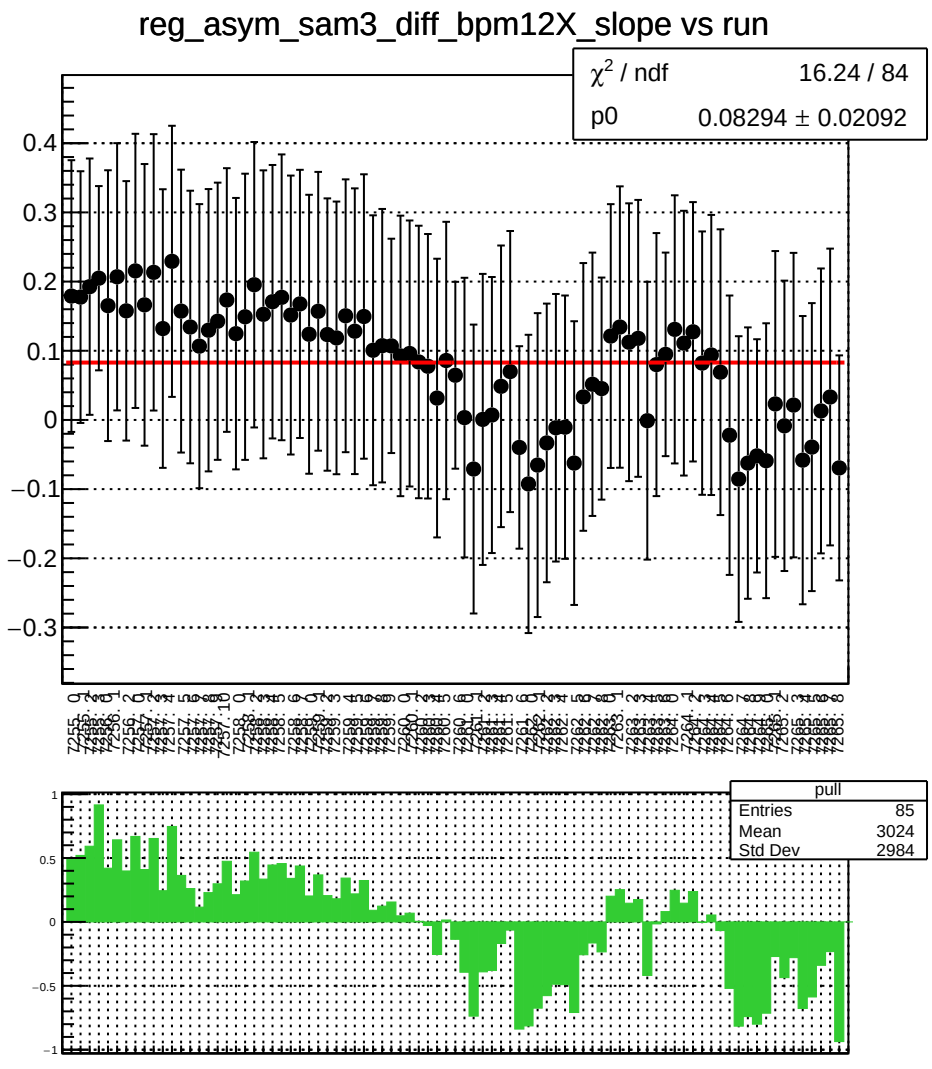

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 467.5 / 84
p0 −34.34 ± 0.5292
pull
Entries 85
Mean −95.76
Std Dev 133.5
pull1D
Entries 85
Mean 0.24
Std Dev 2.333

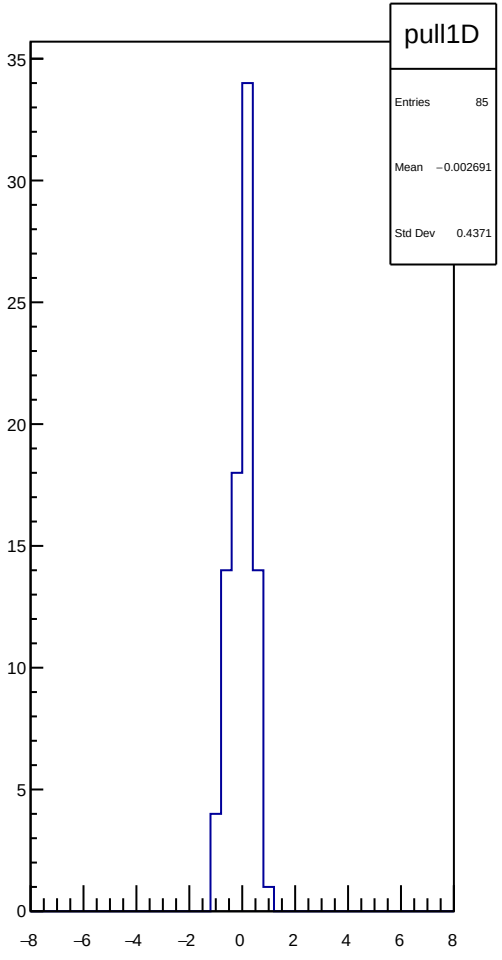

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 173.8 / 84
p0 1.422 ± 0.4668
pull
Entries 85
Mean −697.2
Std Dev 737
pull1D
Entries 85
Mean −0.02866
Std Dev 1.429

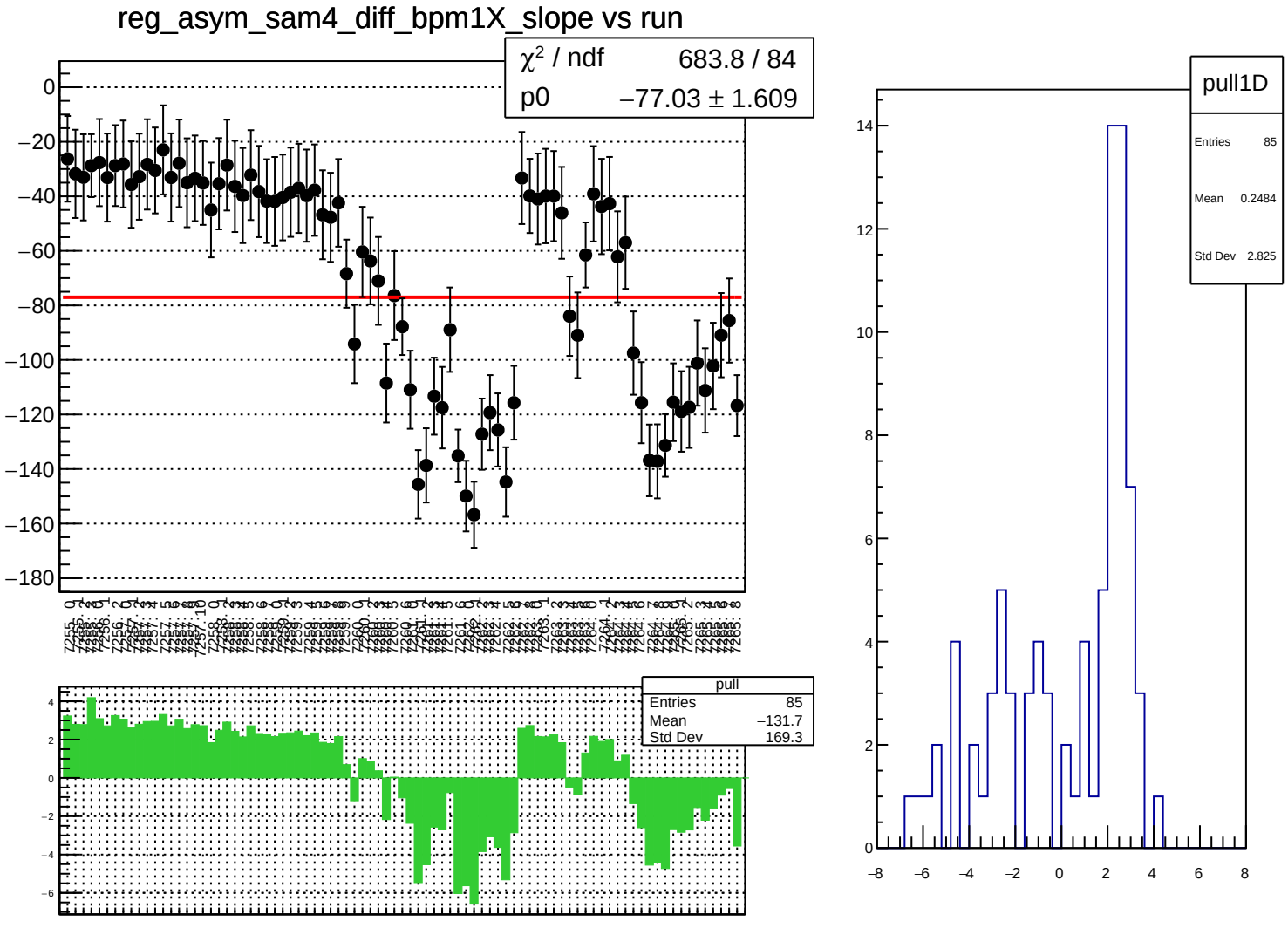

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 358.1 / 84
p0 −37.17 ± 0.574
pull
Entries 85
Mean −84.18
Std Dev 121.8

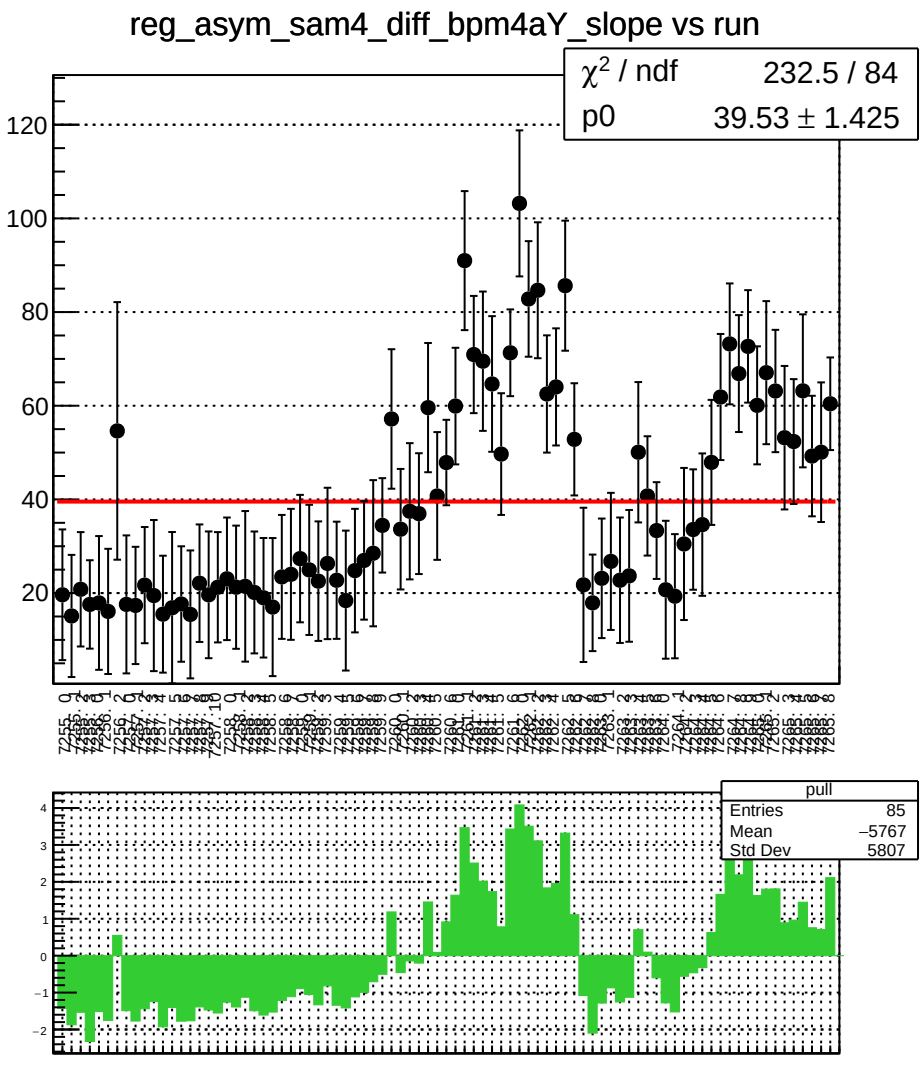

pull1D
Entries 85
Mean −0.2263
Std Dev 2.04

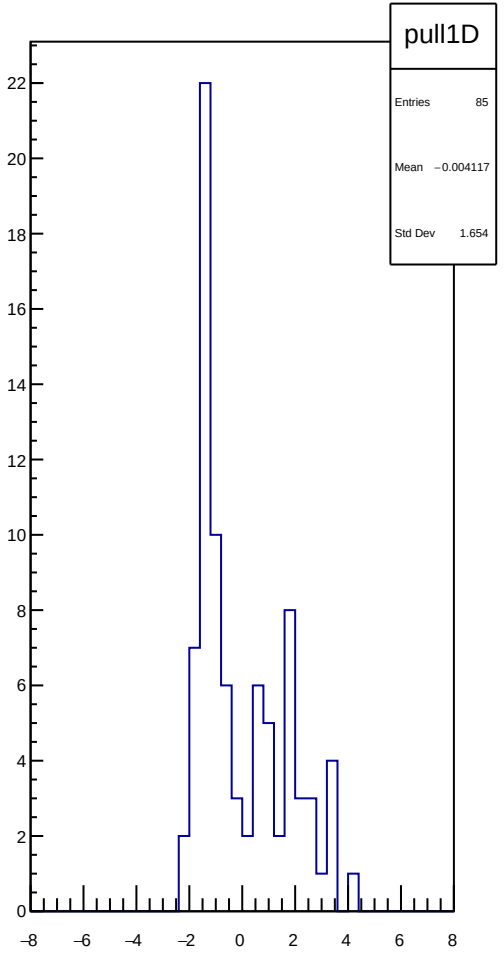

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 178 / 84
p0 19.6 ± 0.4925
pull
Entries 85
Mean −531.6
Std Dev 571.5
pull1D
Entries 85
Mean 0.03754
Std Dev 1.447

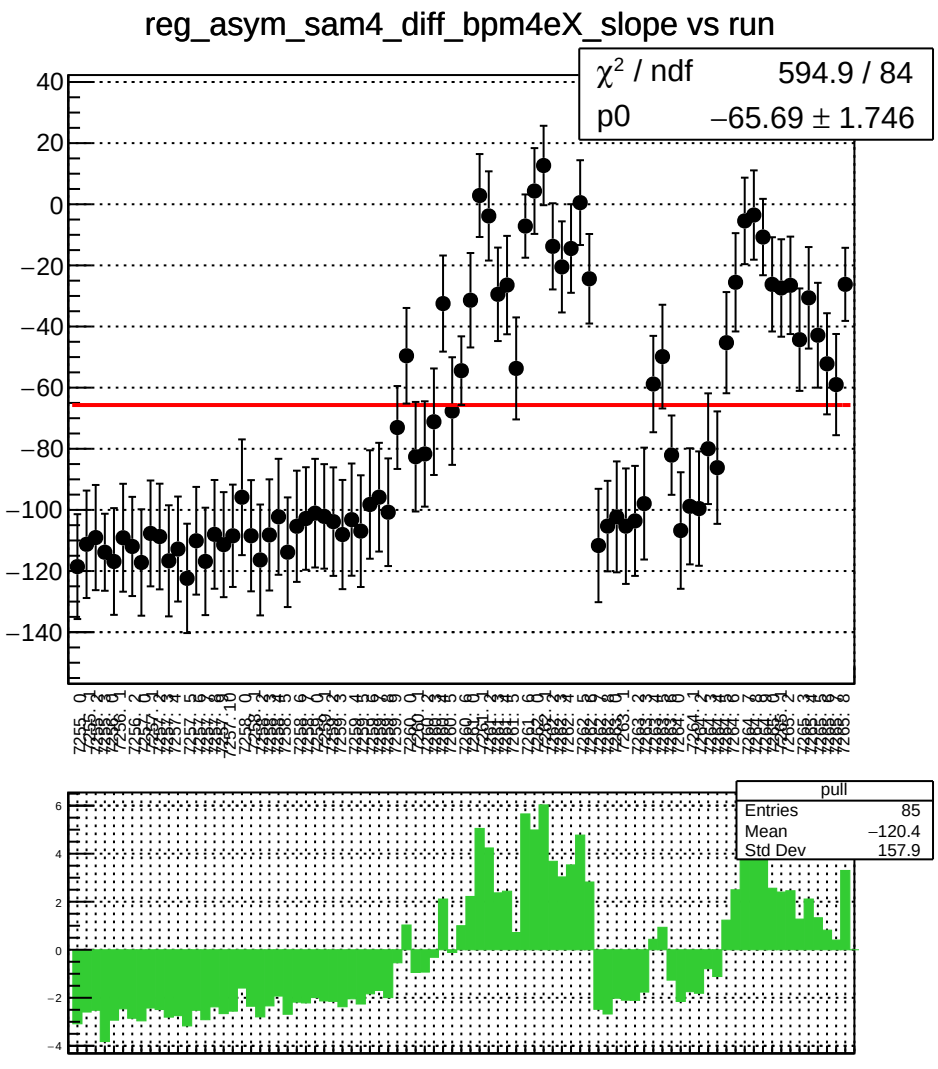

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 16.24 / 84
p0 0.08294 ± 0.02092
pull
Entries 85
Mean 3024
Std Dev 2984

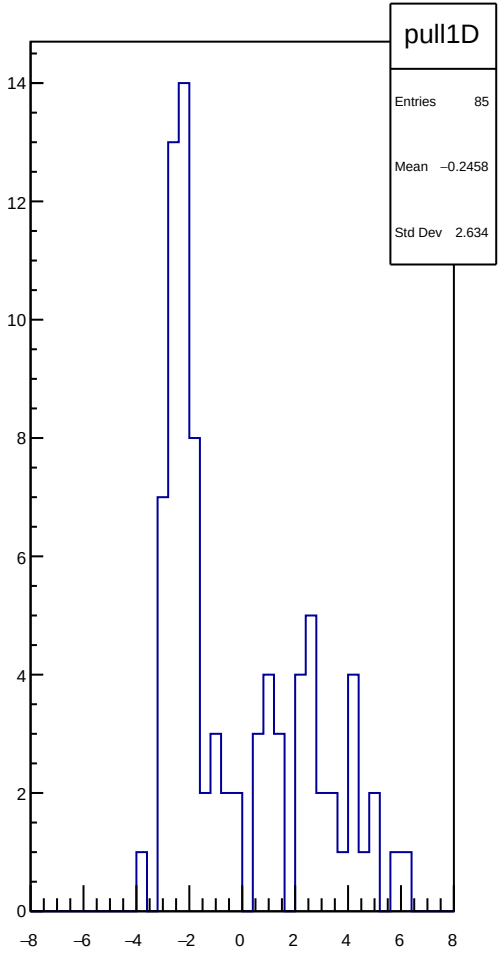

pull1D
Entries 85
Mean −0.002691
Std Dev 0.4371

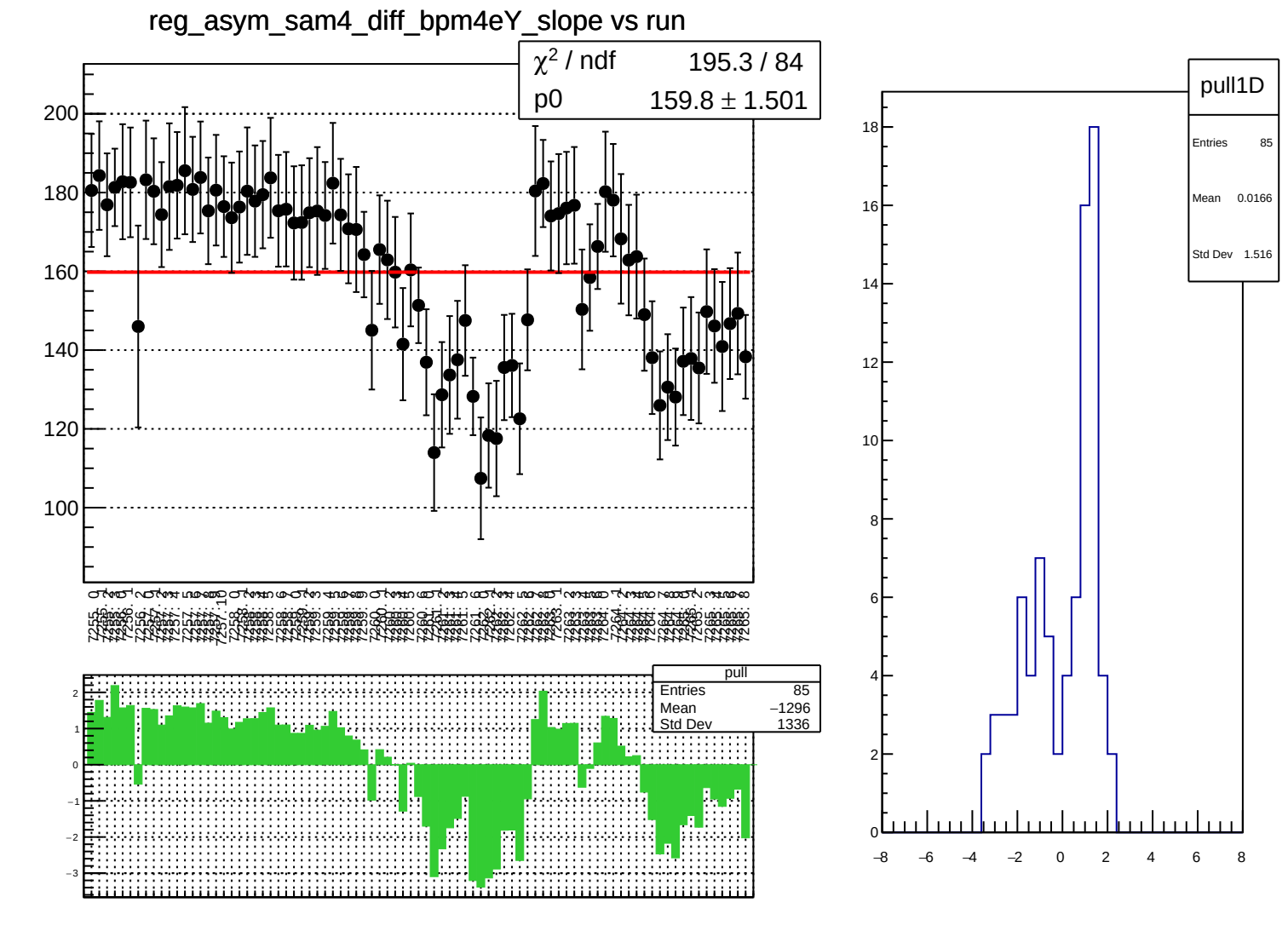

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 683.8 / 84
p0 −77.03 ± 1.609
pull
Entries 85
Mean −131.7
Std Dev 169.3
pull1D
Entries 85
Mean 0.2484
Std Dev 2.825

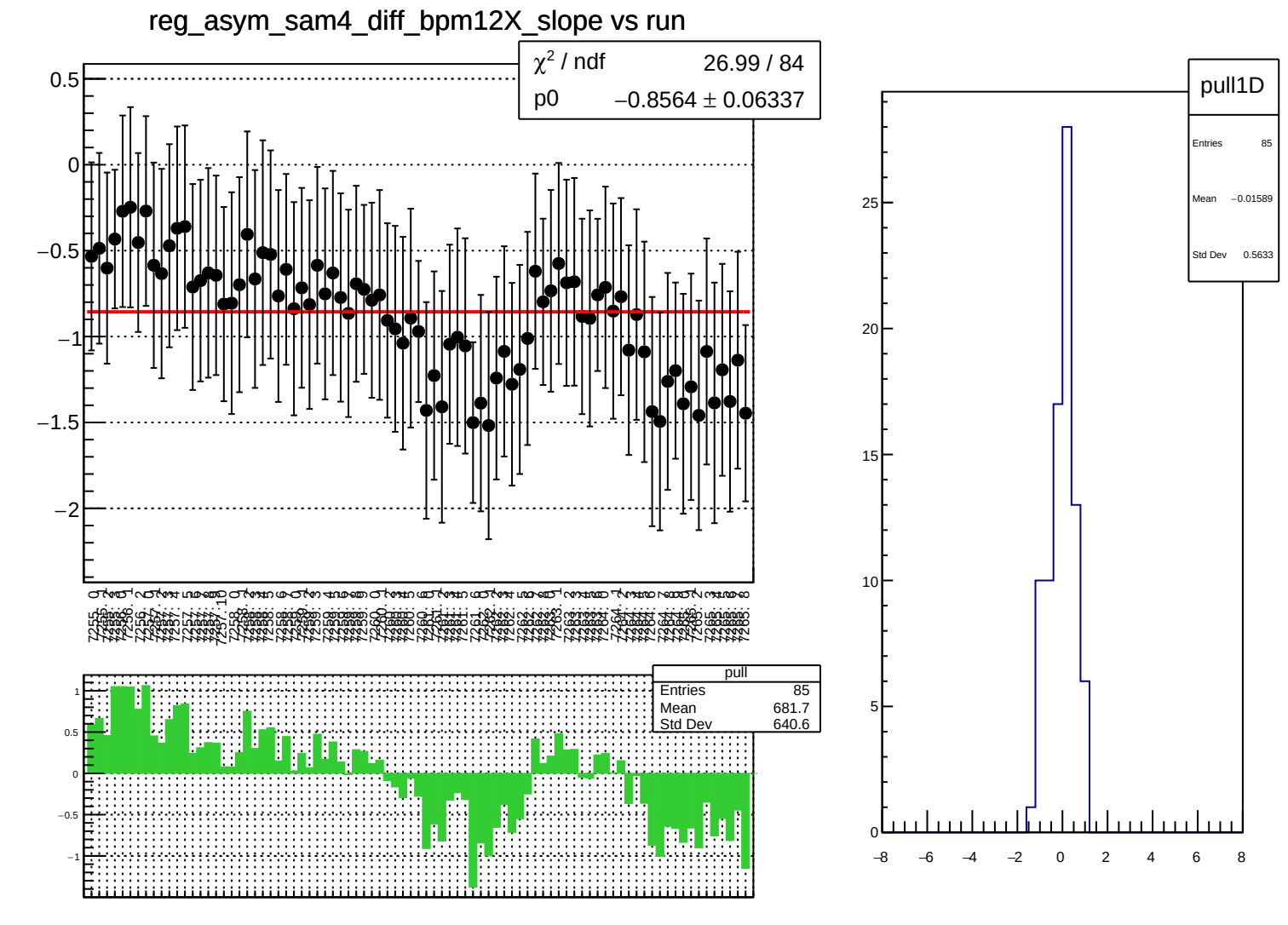

reg_asym_sam4_diff_bpm4aY_slope vs run
χ^2 / ndf 232.5 / 84
p0 39.53 ± 1.425
120
100
80
60
40
20
pull
Entries 85
Mean −5767
Std Dev 5807
4
3
2
1
0
−1
−2

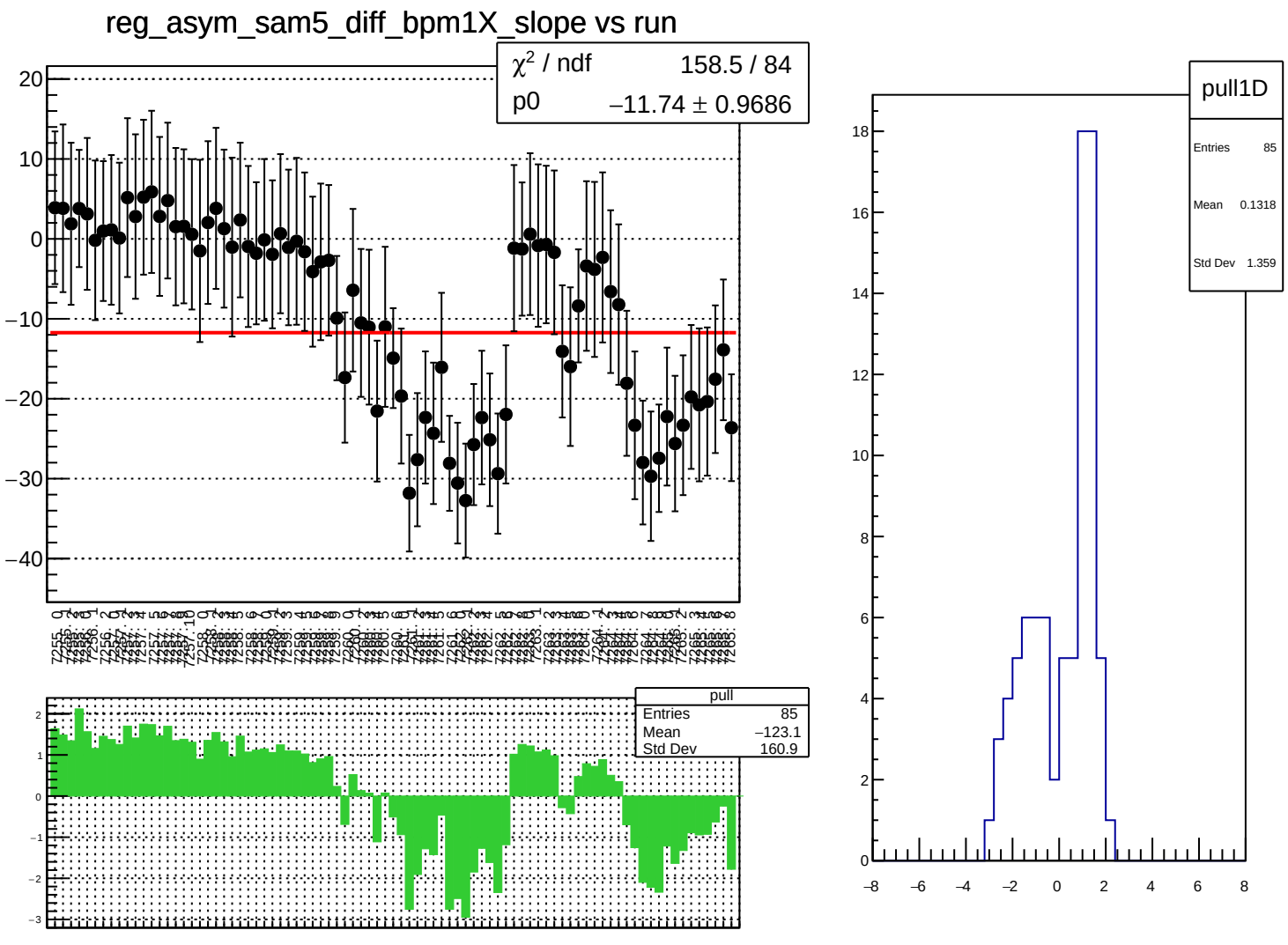

pull1D
Entries 85
Mean −0.004117
Std Dev 1.654
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

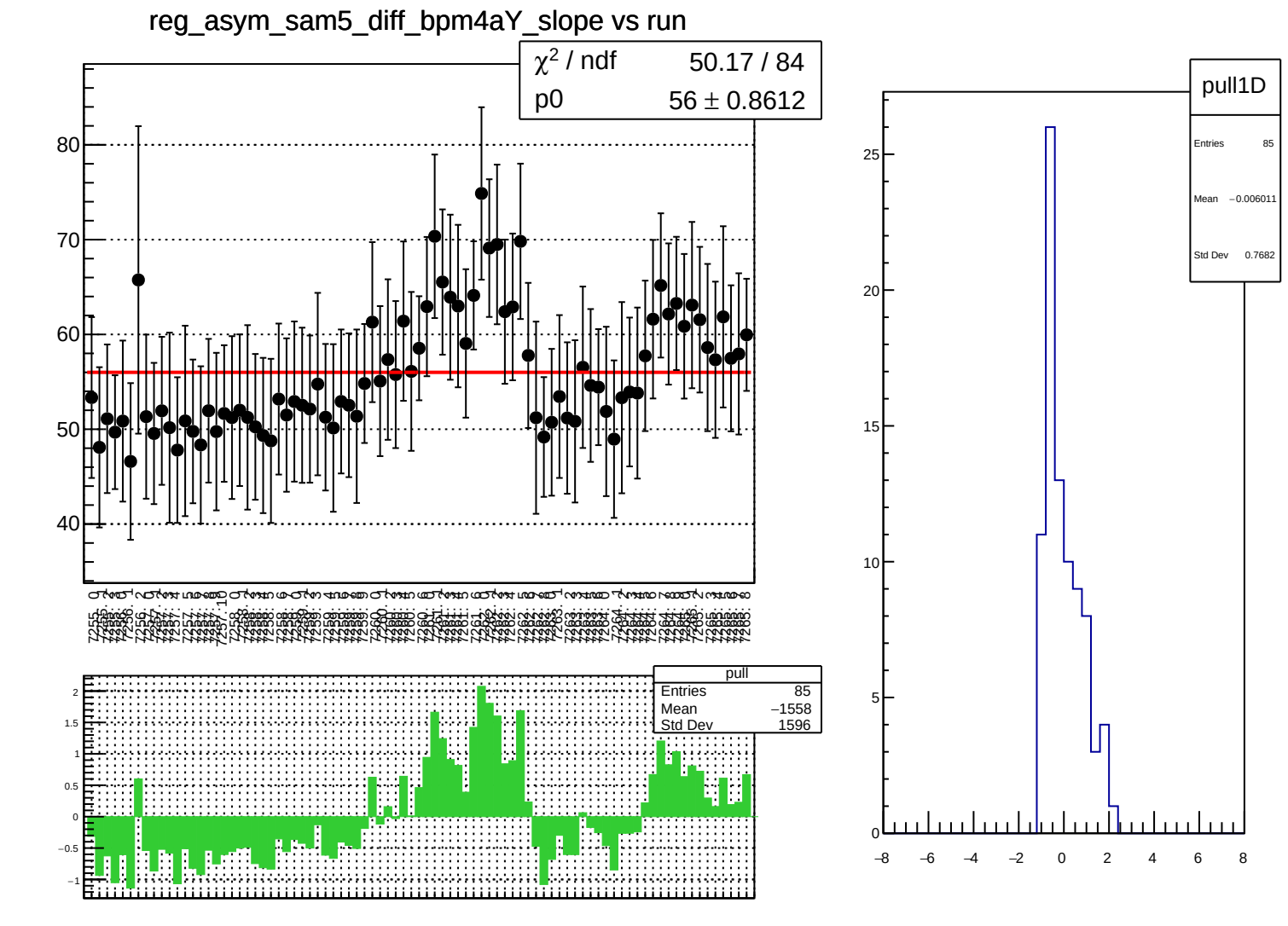

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 594.9 / 84
p0 −65.69 ± 1.746
pull
Entries 85
Mean −120.4
Std Dev 157.9

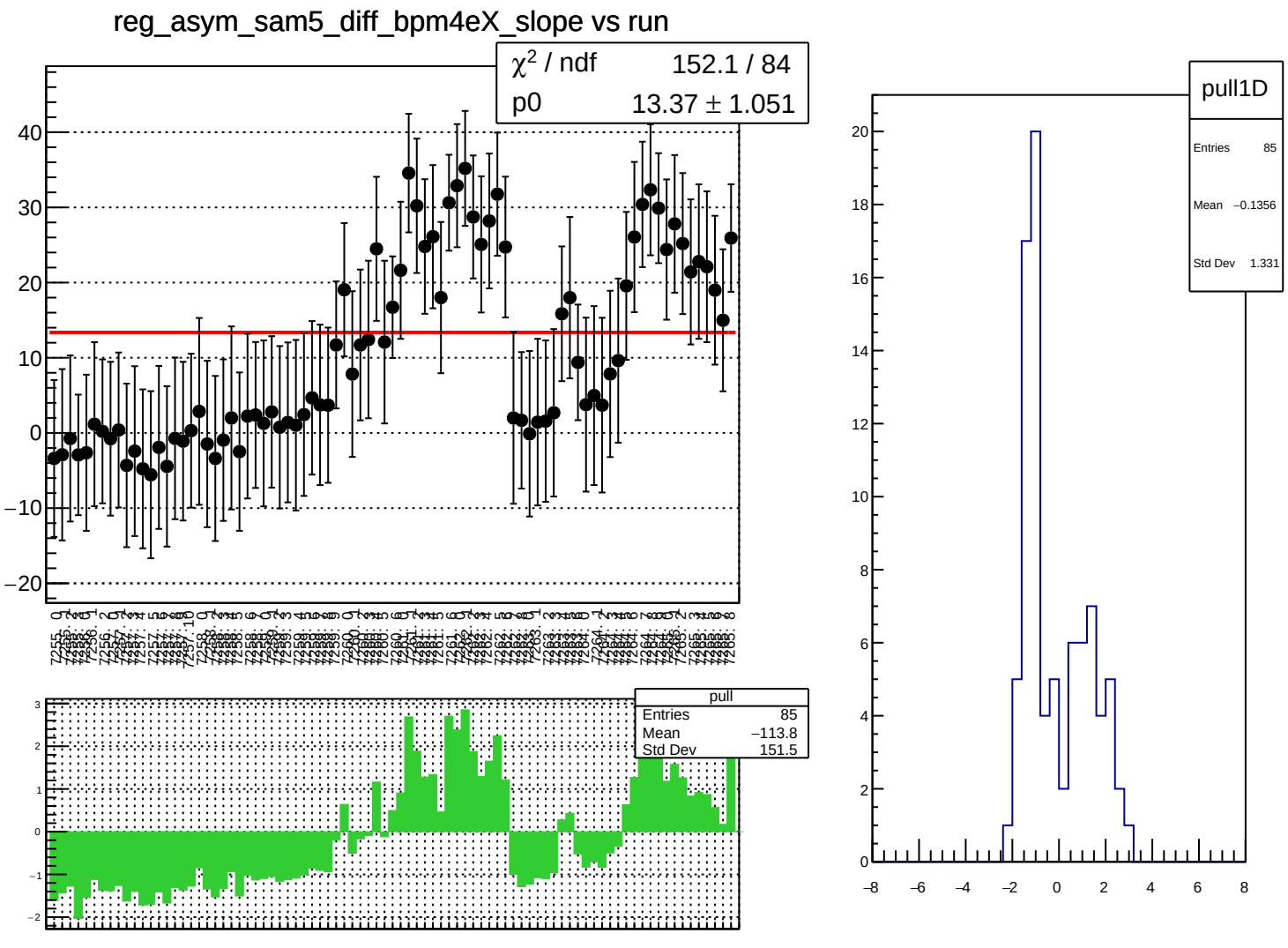

pull1D
Entries 85
Mean −0.2458
Std Dev 2.634

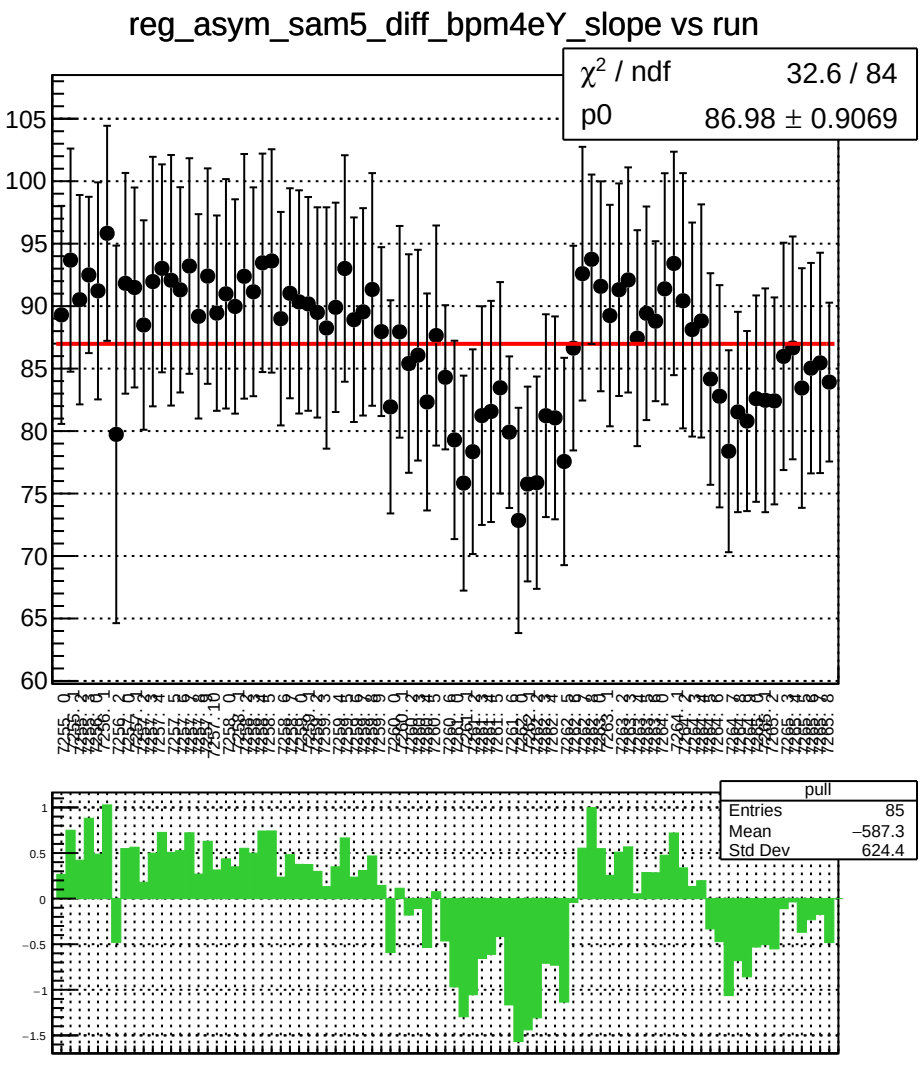

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 195.3 / 84
p0 159.8 ± 1.501
pull
Entries 85
Mean −1296
Std Dev 1336
pull1D
Entries 85
Mean 0.0166
Std Dev 1.516

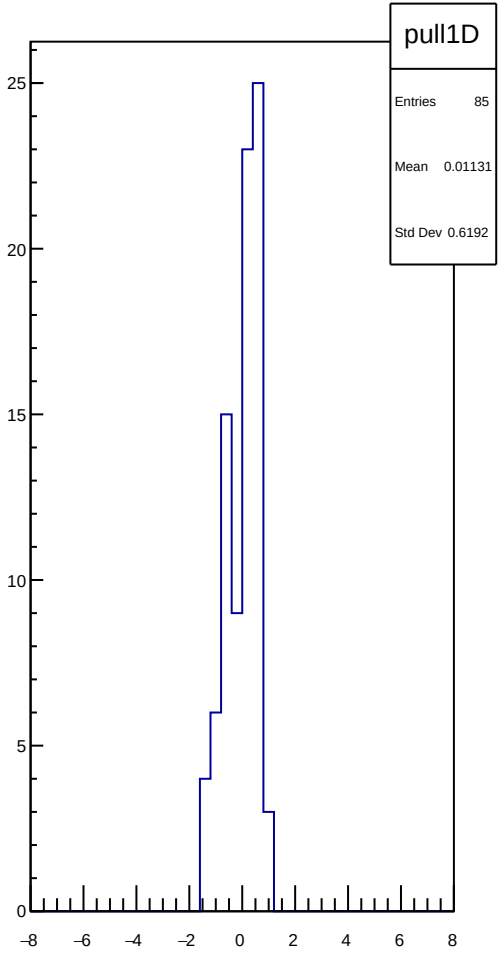

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 26.99 / 84
p0 −0.8564 ± 0.06337
pull
Entries 85
Mean 681.7
Std Dev 640.6
pull1D
Entries 85
Mean −0.01589
Std Dev 0.5633

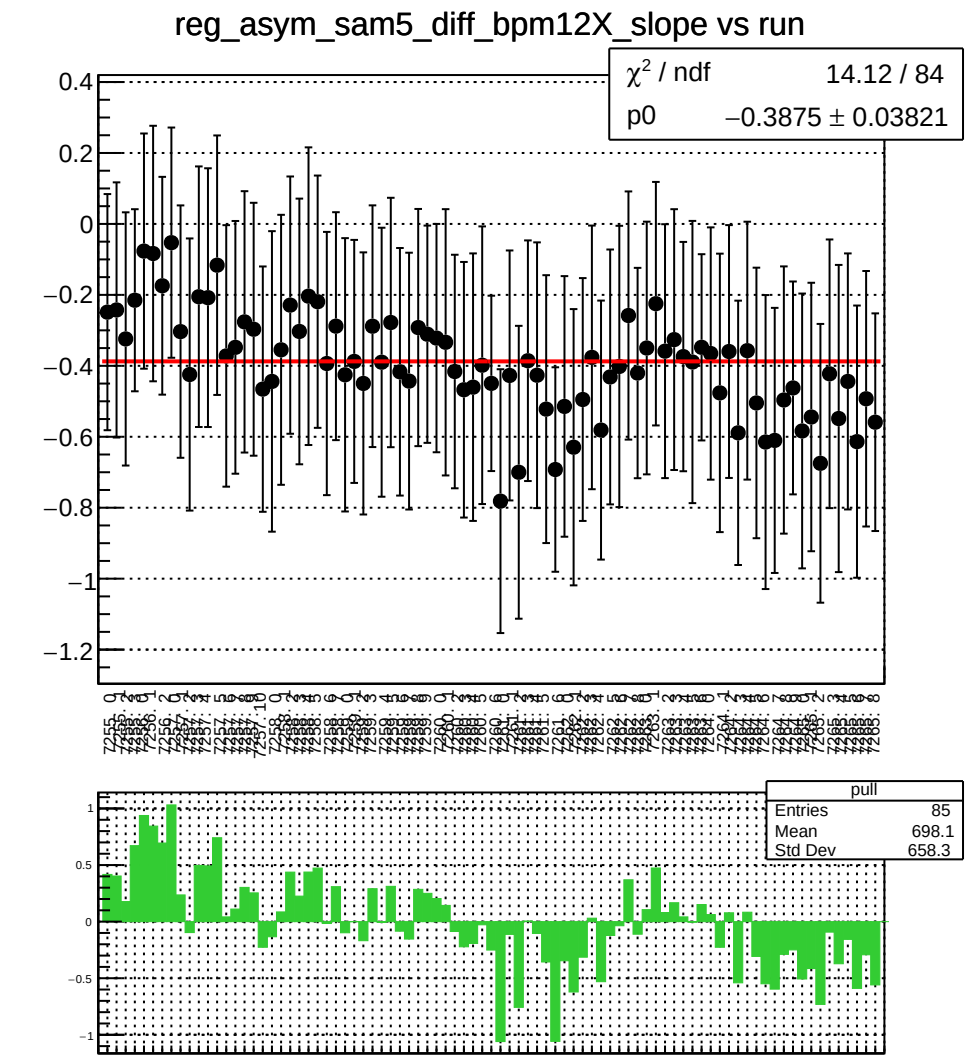

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 158.5 / 84
p0 −11.74 ± 0.9686
pull
Entries 85
Mean −123.1
Std Dev 160.9
pull1D
Entries 85
Mean 0.1318
Std Dev 1.359

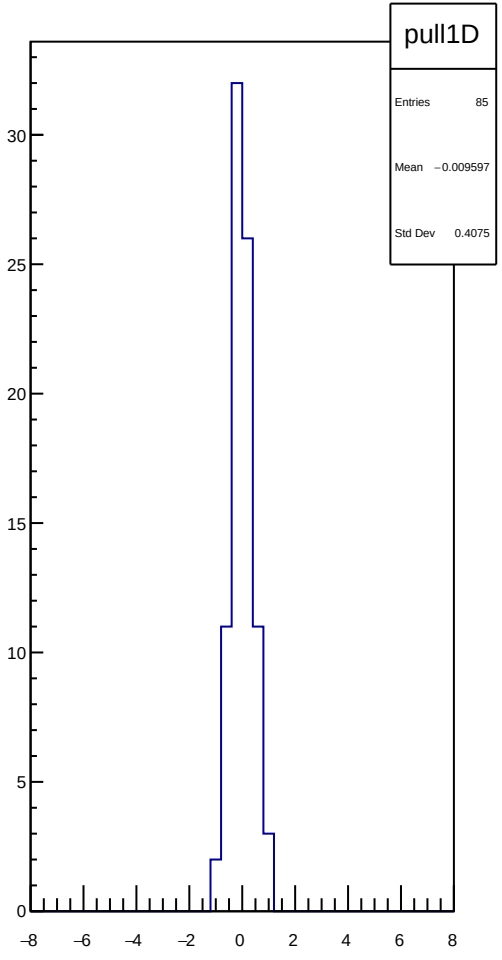

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 50.17 / 84
p0 56 ± 0.8612
pull
Entries 85
Mean −1558
Std Dev 1596
pull1D
Entries 85
Mean −0.006011
Std Dev 0.7682

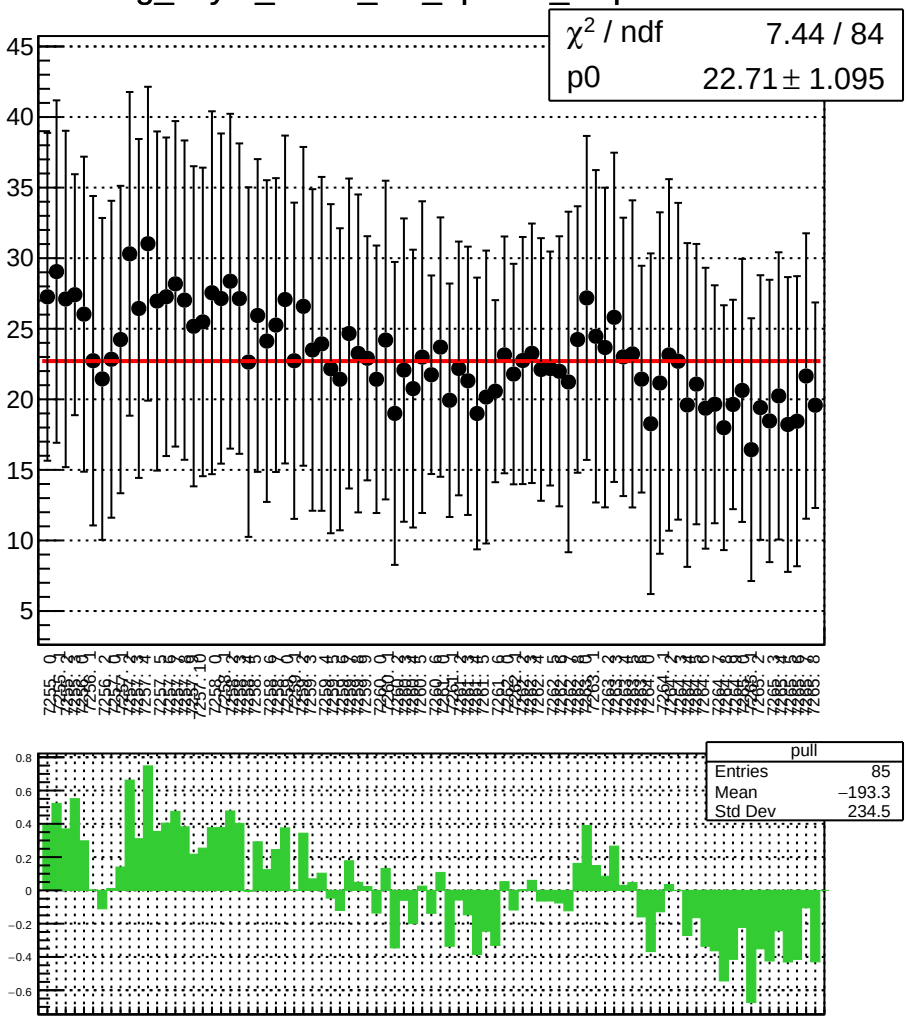

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 152.1 / 84
p0 13.37 ± 1.051
pull
Entries 85
Mean −113.8
Std Dev 151.5
pull1D
Entries 85
Mean −0.1356
Std Dev 1.331

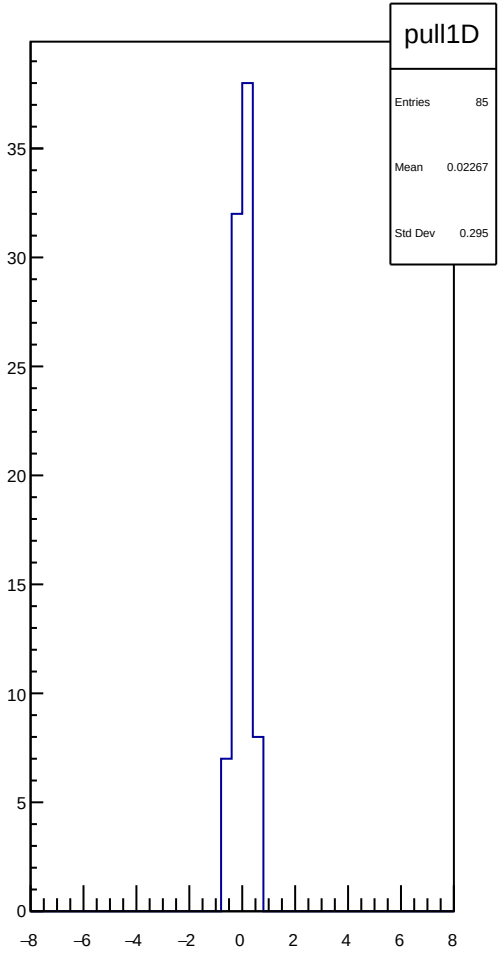

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 32.6 / 84
p0 86.98 ± 0.9069
pull
Entries 85
Mean −587.3
Std Dev 624.4

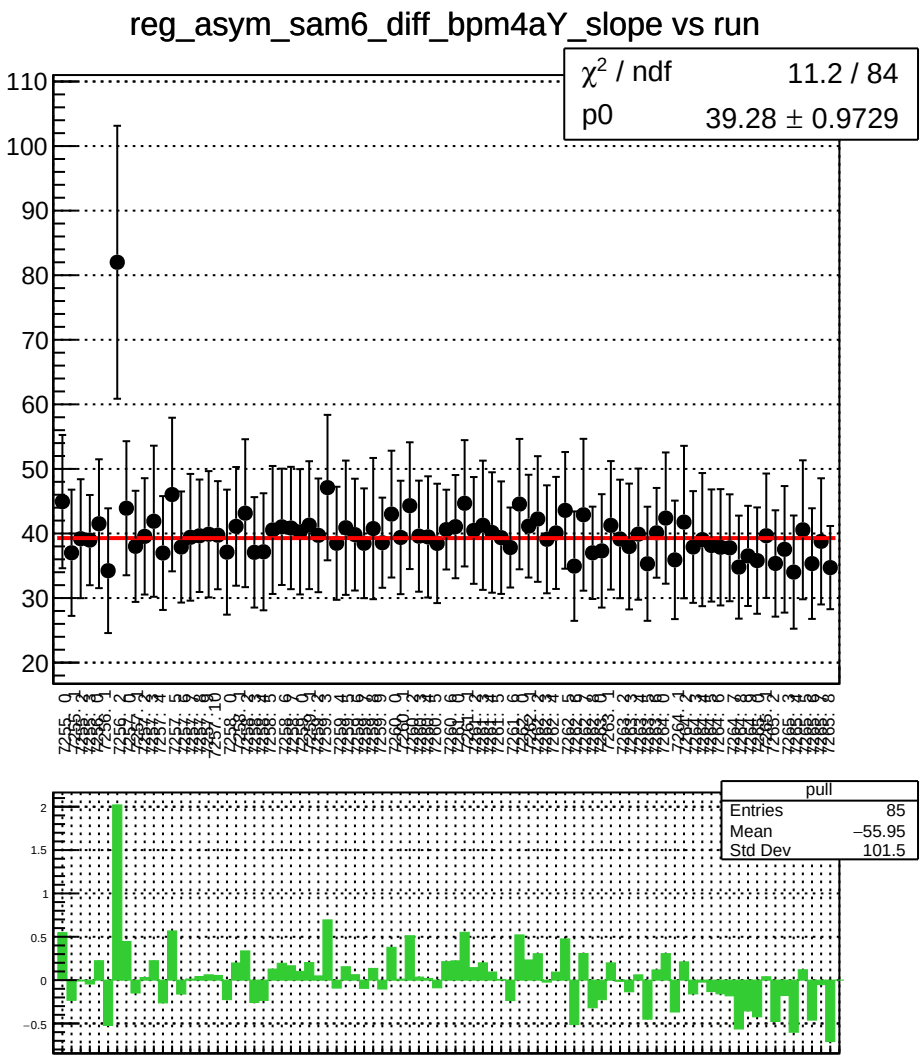

pull1D
Entries 85
Mean 0.01131
Std Dev 0.6192

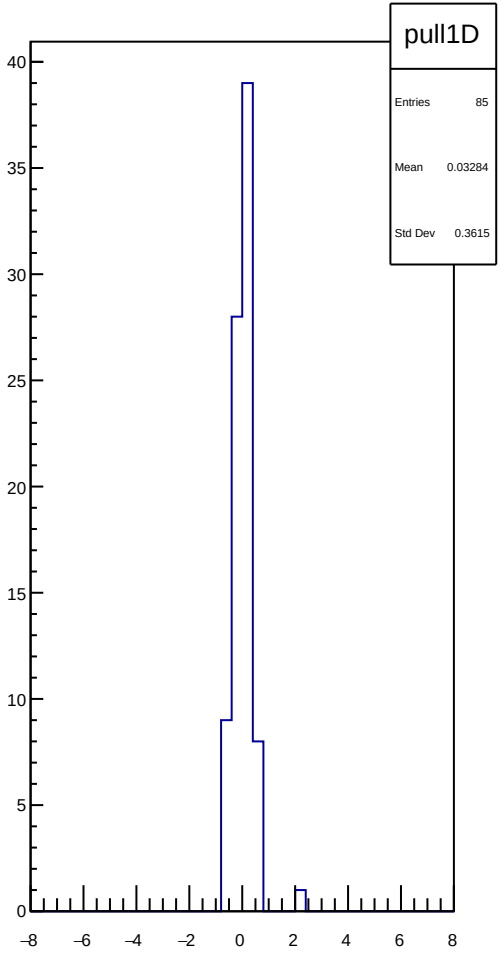

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 14.12 / 84
p0 −0.3875 ± 0.03821
pull
Entries 85
Mean 698.1
Std Dev 658.3

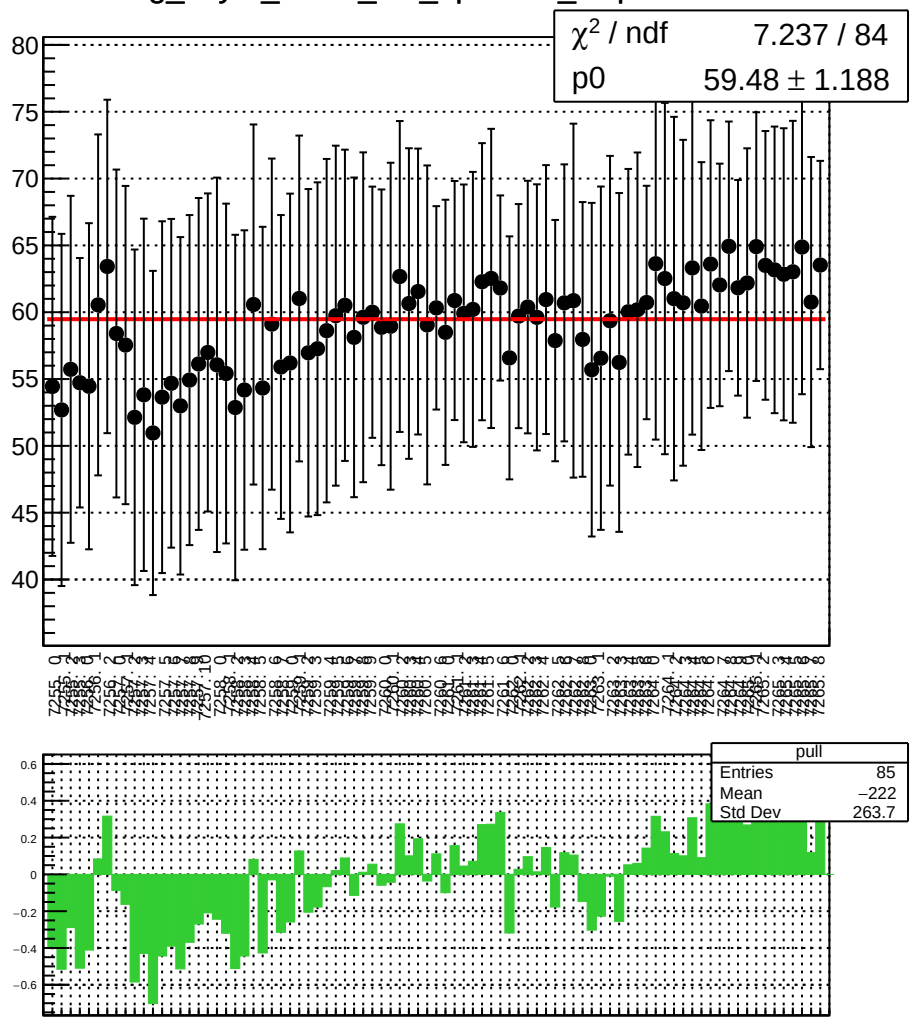

pull1D
Entries 85
Mean −0.009597
Std Dev 0.4075

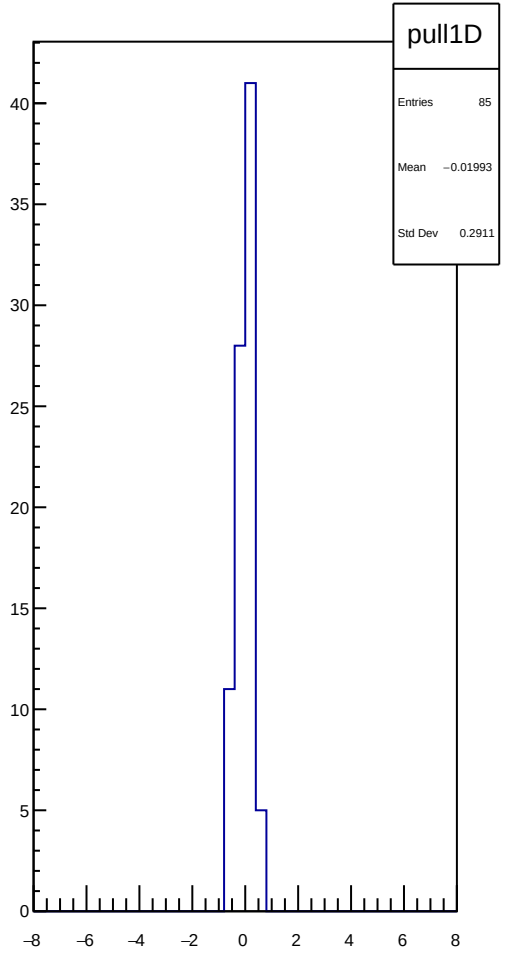

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 7.44 / 84
p0 22.71 ± 1.095
pull
Entries 85
Mean −193.3
Std Dev 234.5

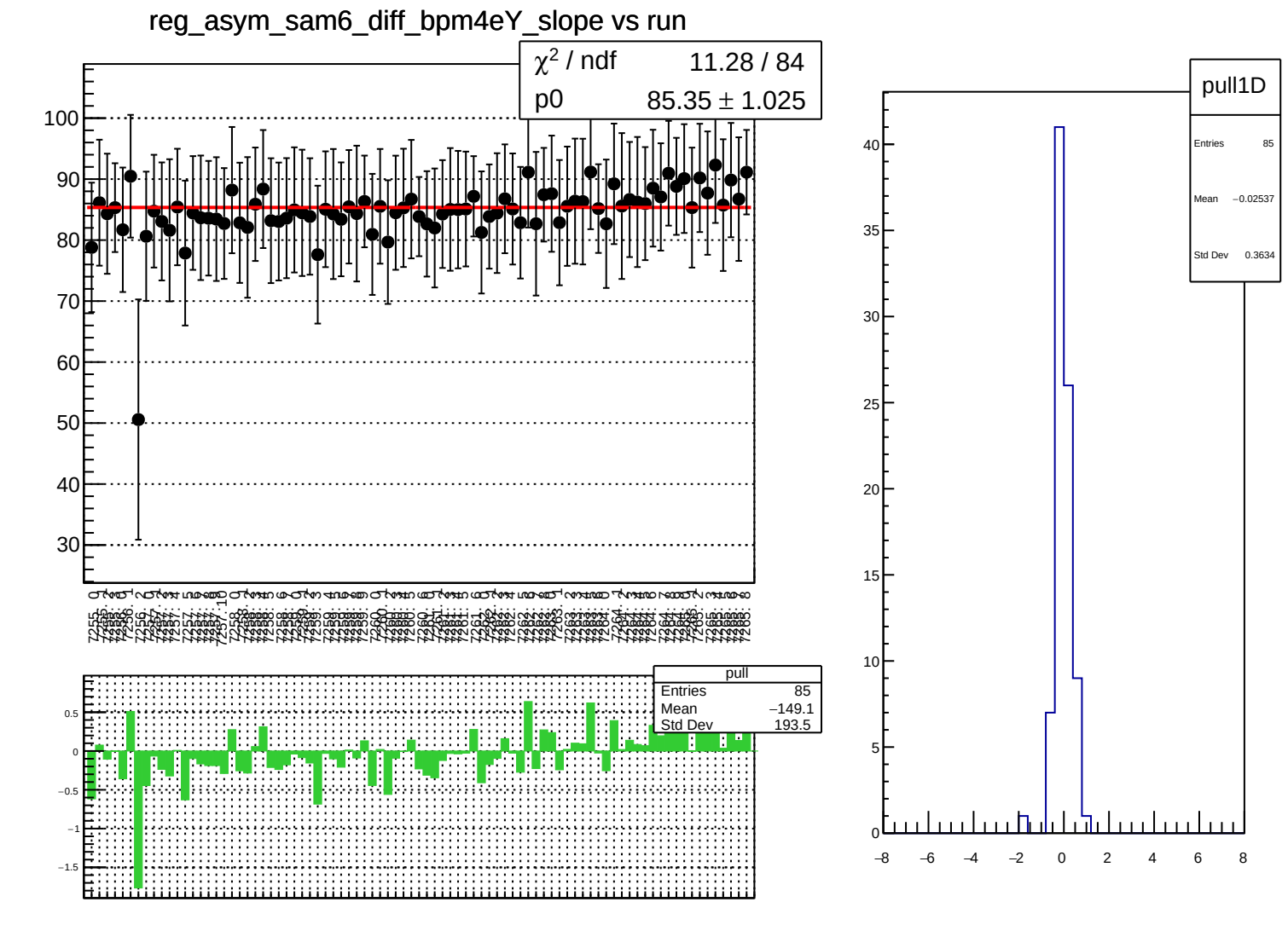

pull1D
Entries 85
Mean 0.02267
Std Dev 0.295

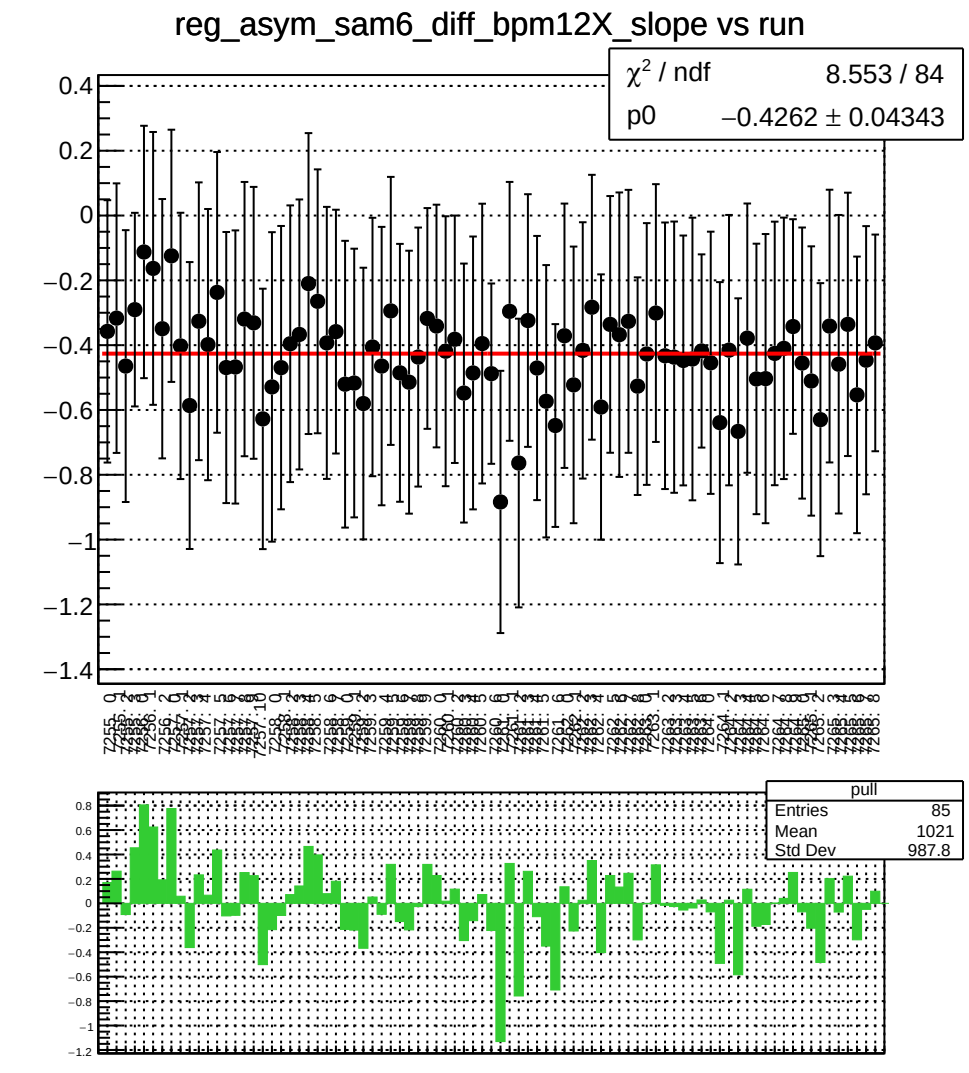

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 11.2 / 84
p0 39.28 ± 0.9729
pull
Entries 85
Mean −55.95
Std Dev 101.5

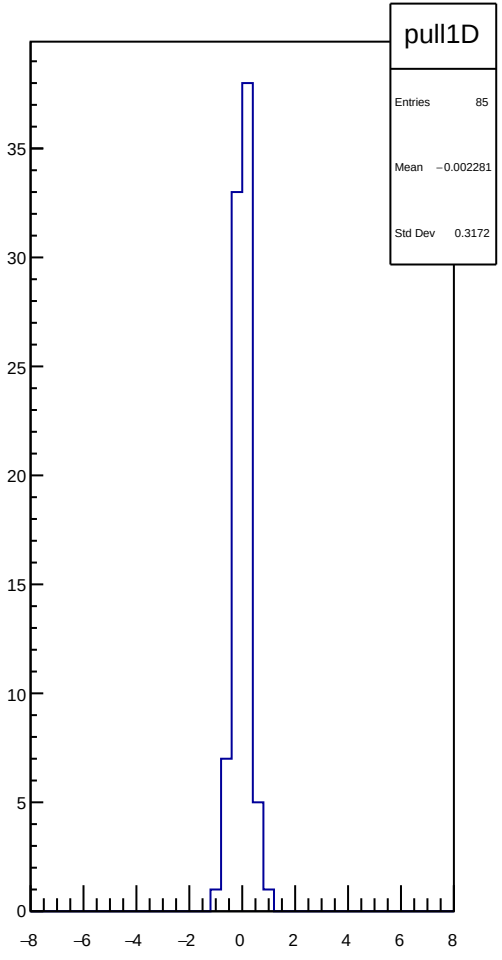

pull1D
Entries 85
Mean 0.03284
Std Dev 0.3615

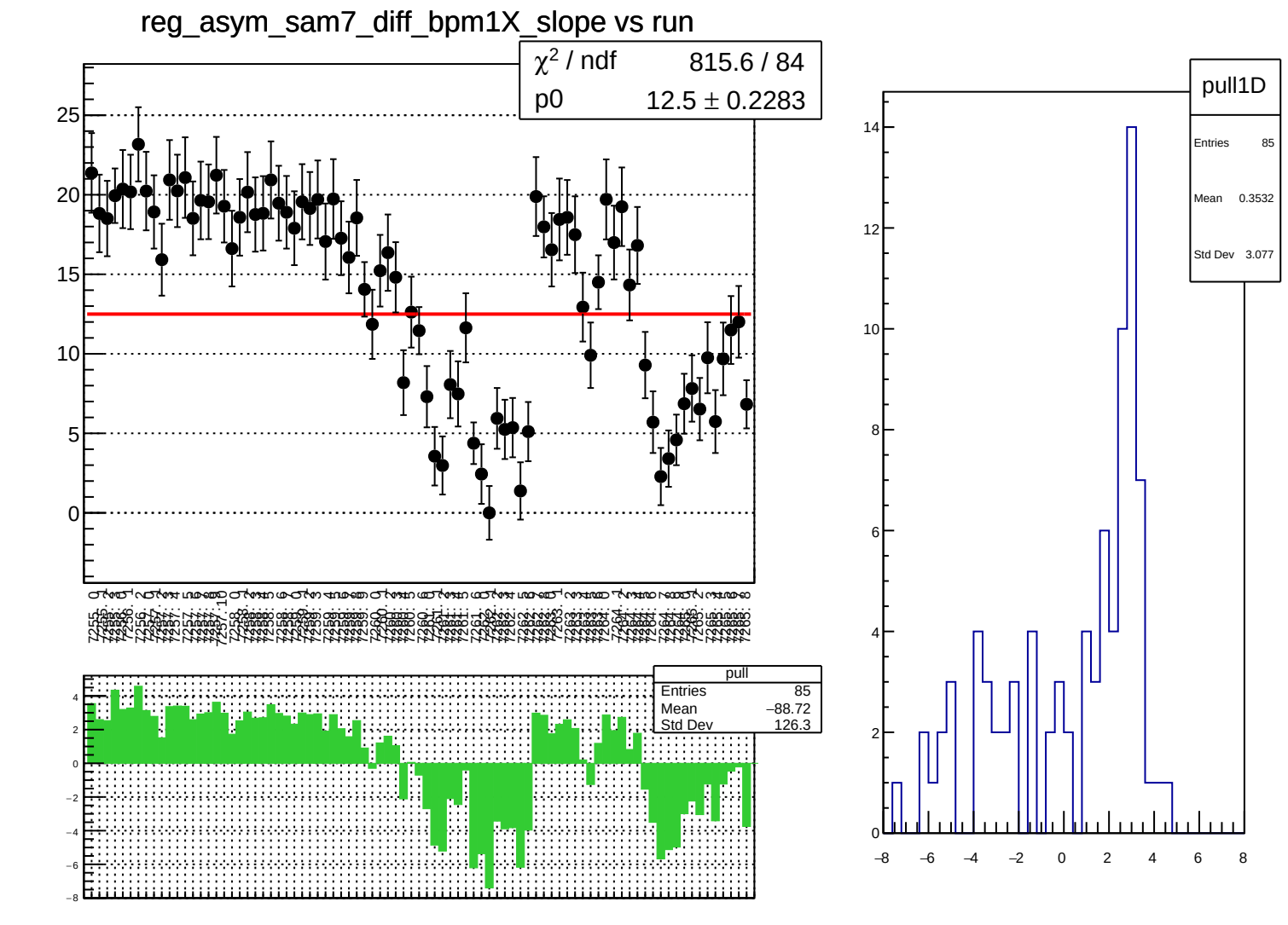

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 7.237 / 84
p0 59.48 ± 1.188
pull
Entries 85
Mean −222
Std Dev 263.7

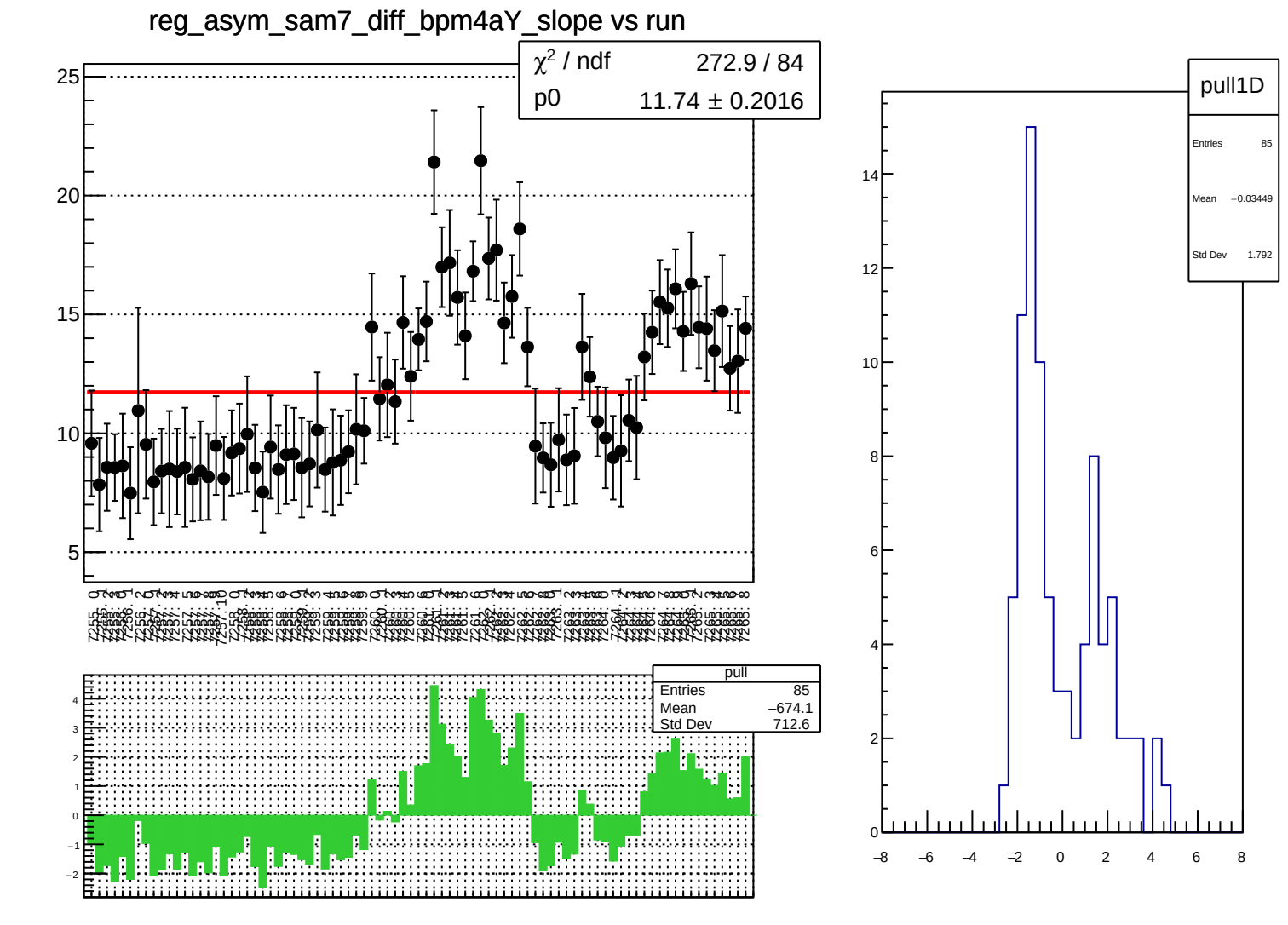

pull1D
Entries 85
Mean −0.01993
Std Dev 0.2911

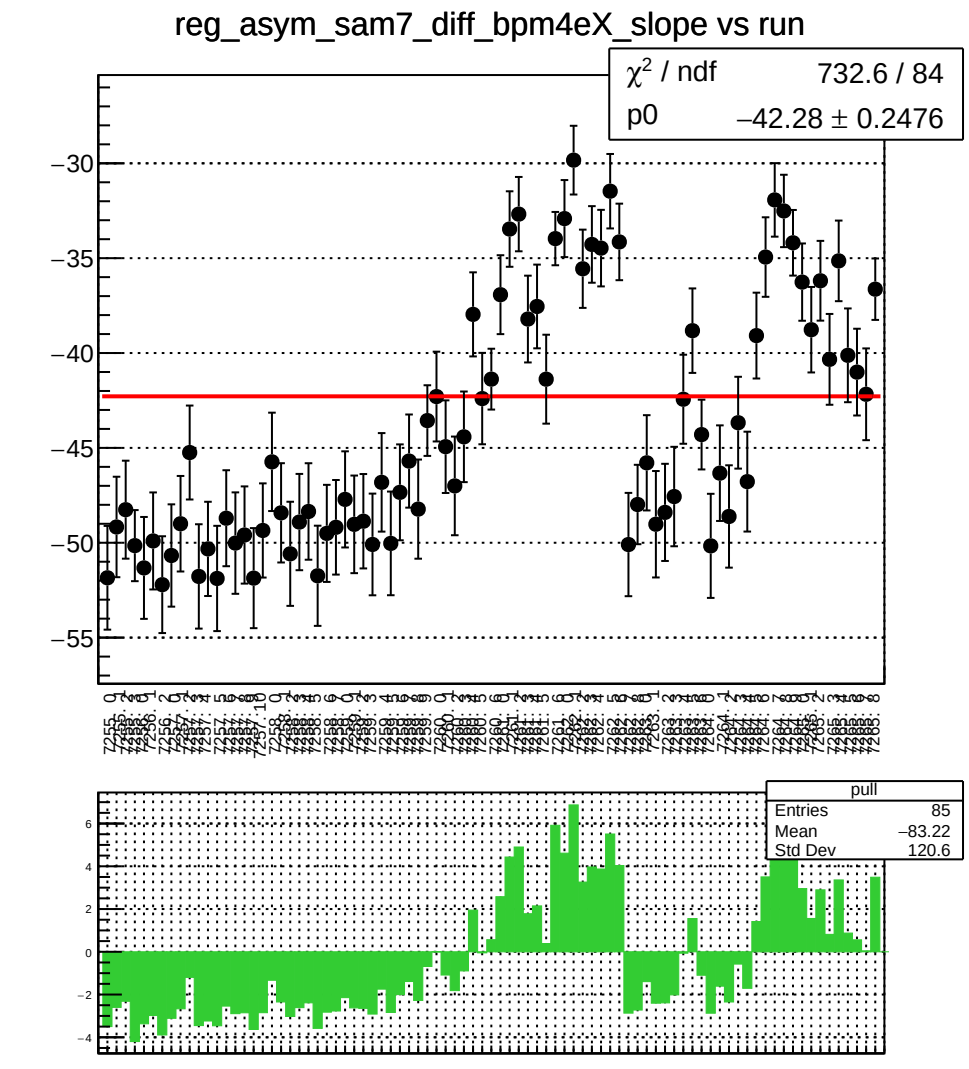

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 11.28 / 84
p0 85.35 ± 1.025
pull
Entries 85
Mean −149.1
Std Dev 193.5
pull1D
Entries 85
Mean −0.02537
Std Dev 0.3634

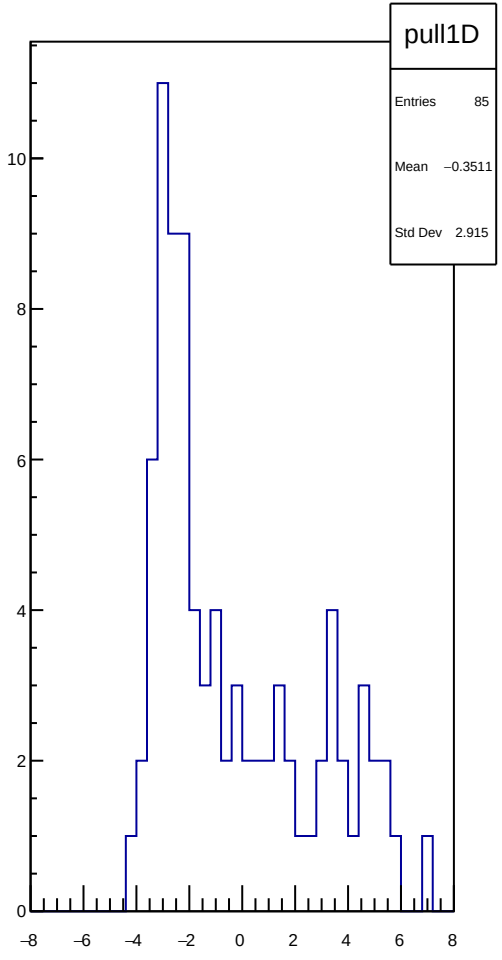

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 8.553 / 84
p0 −0.4262 ± 0.04343
pull
Entries 85
Mean 1021
Std Dev 987.8

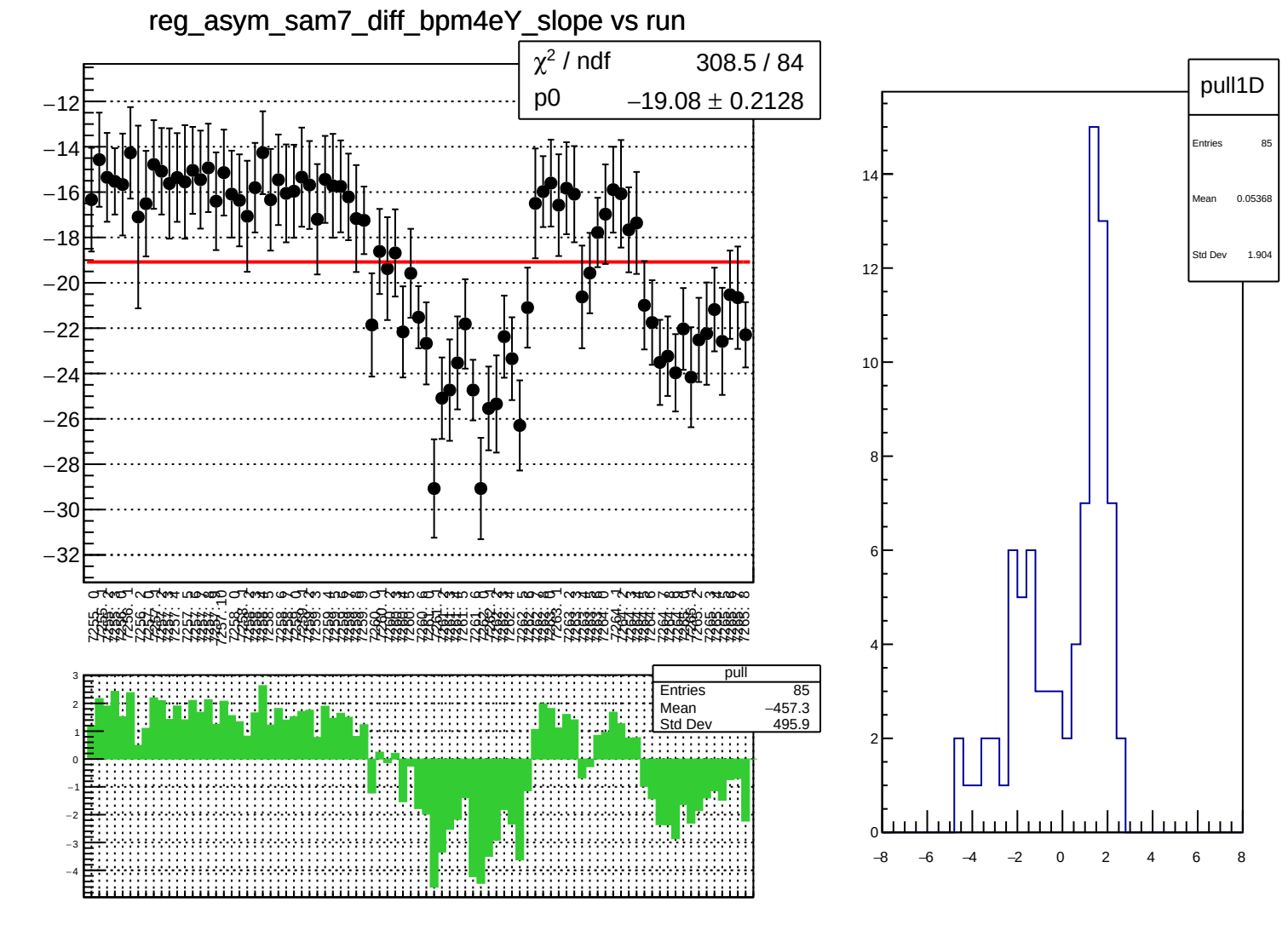

pull1D
Entries 85
Mean −0.002281
Std Dev 0.3172

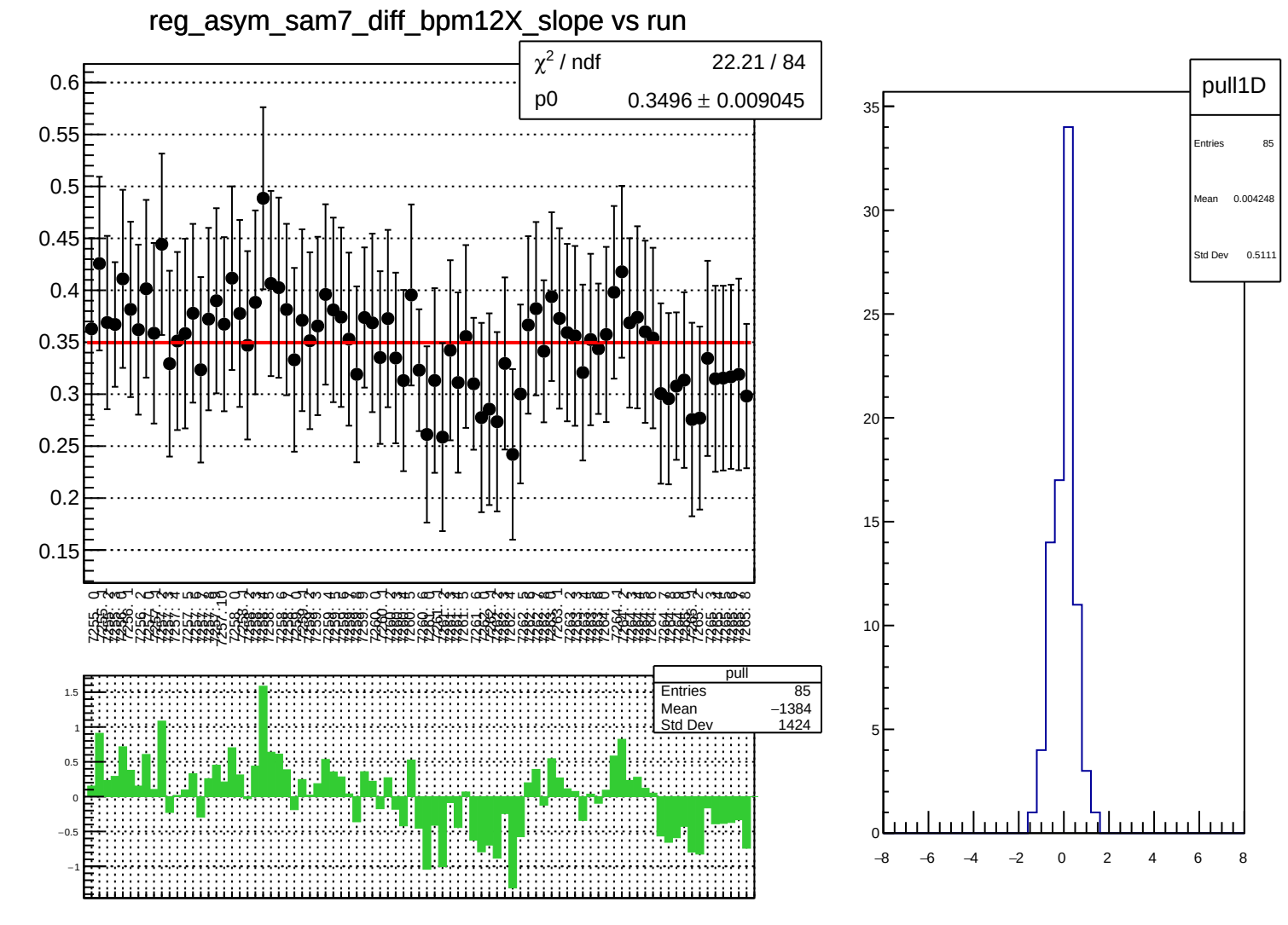

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 815.6 / 84
p0 12.5 ± 0.2283
pull
Entries 85
Mean −88.72
Std Dev 126.3
pull1D
Entries 85
Mean 0.3532
Std Dev 3.077

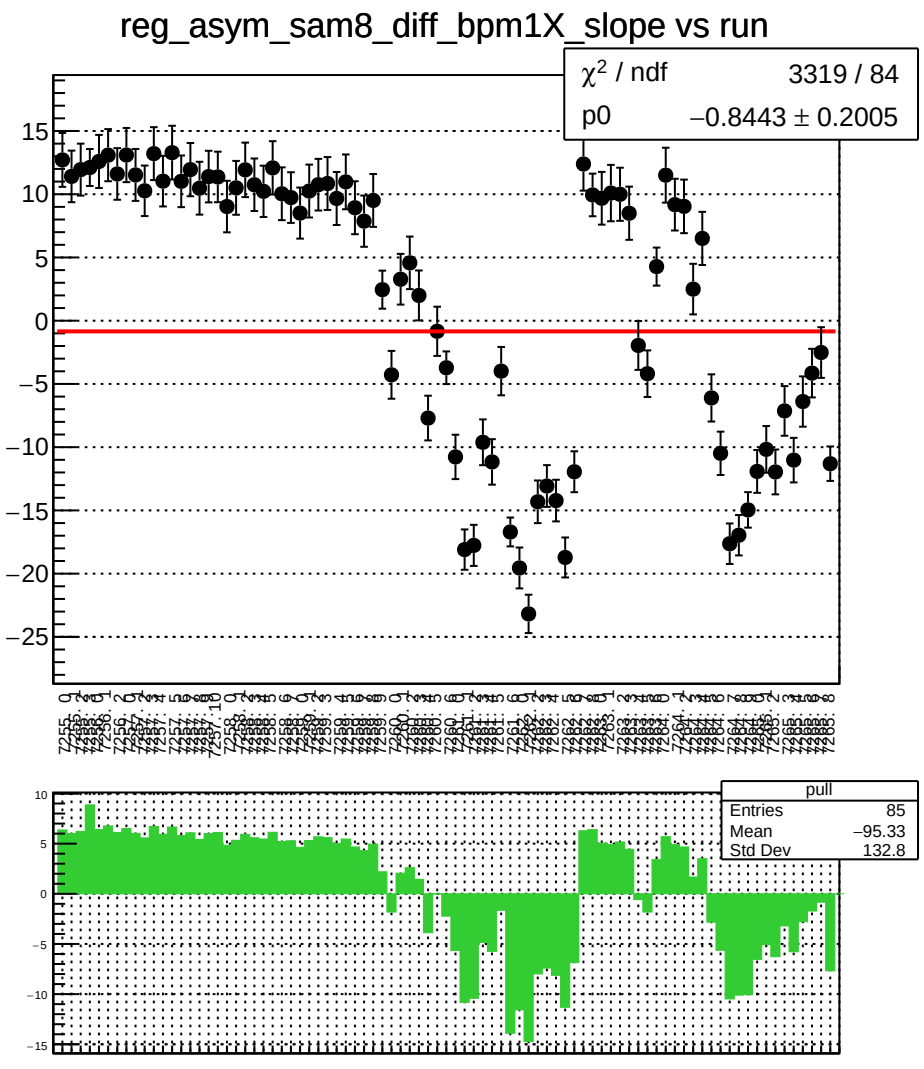

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 272.9 / 84
p0 11.74 ± 0.2016
pull
Entries 85
Mean −674.1
Std Dev 712.6
pull1D
Entries 85
Mean −0.03449
Std Dev 1.792

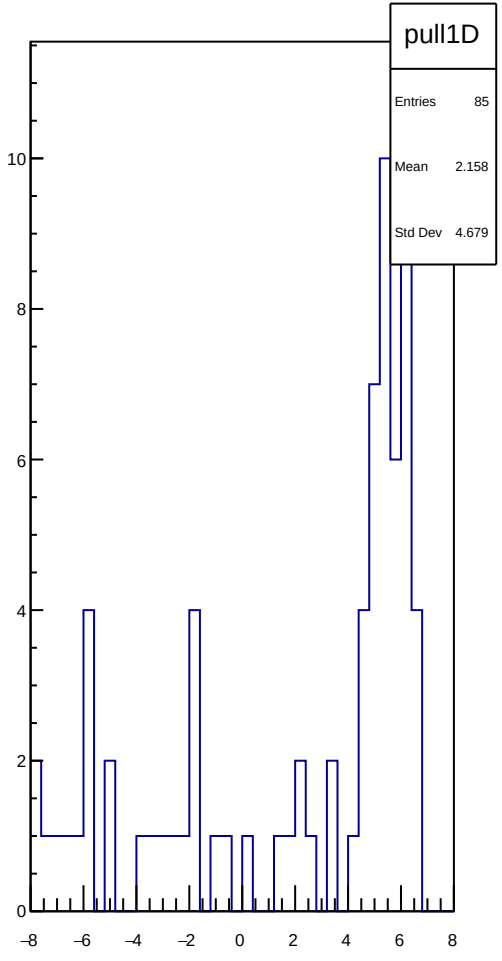

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 732.6 / 84
p0 −42.28 ± 0.2476
pull
Entries 85
Mean −83.22
Std Dev 120.6

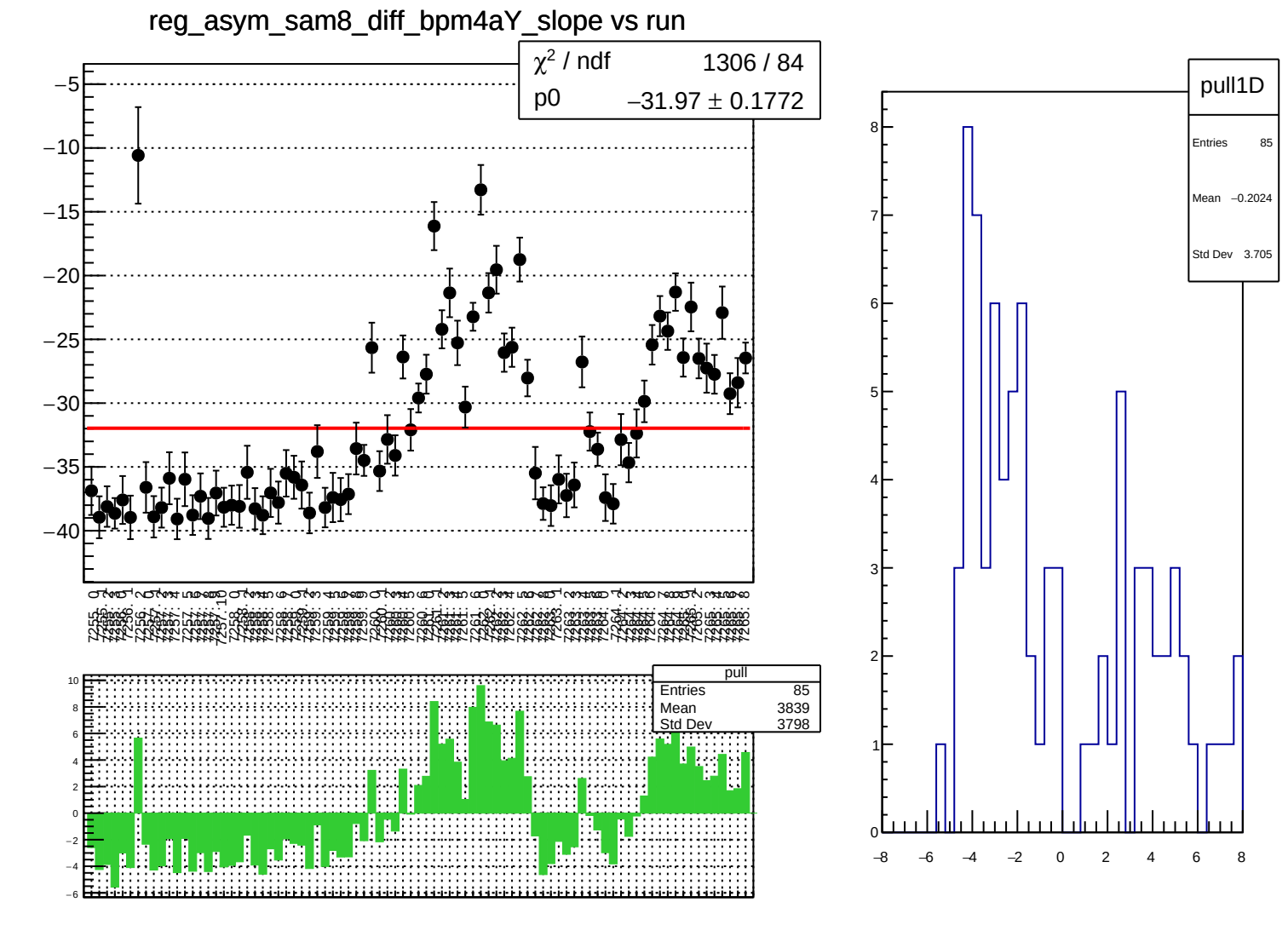

pull1D
Entries 85
Mean −0.3511
Std Dev 2.915

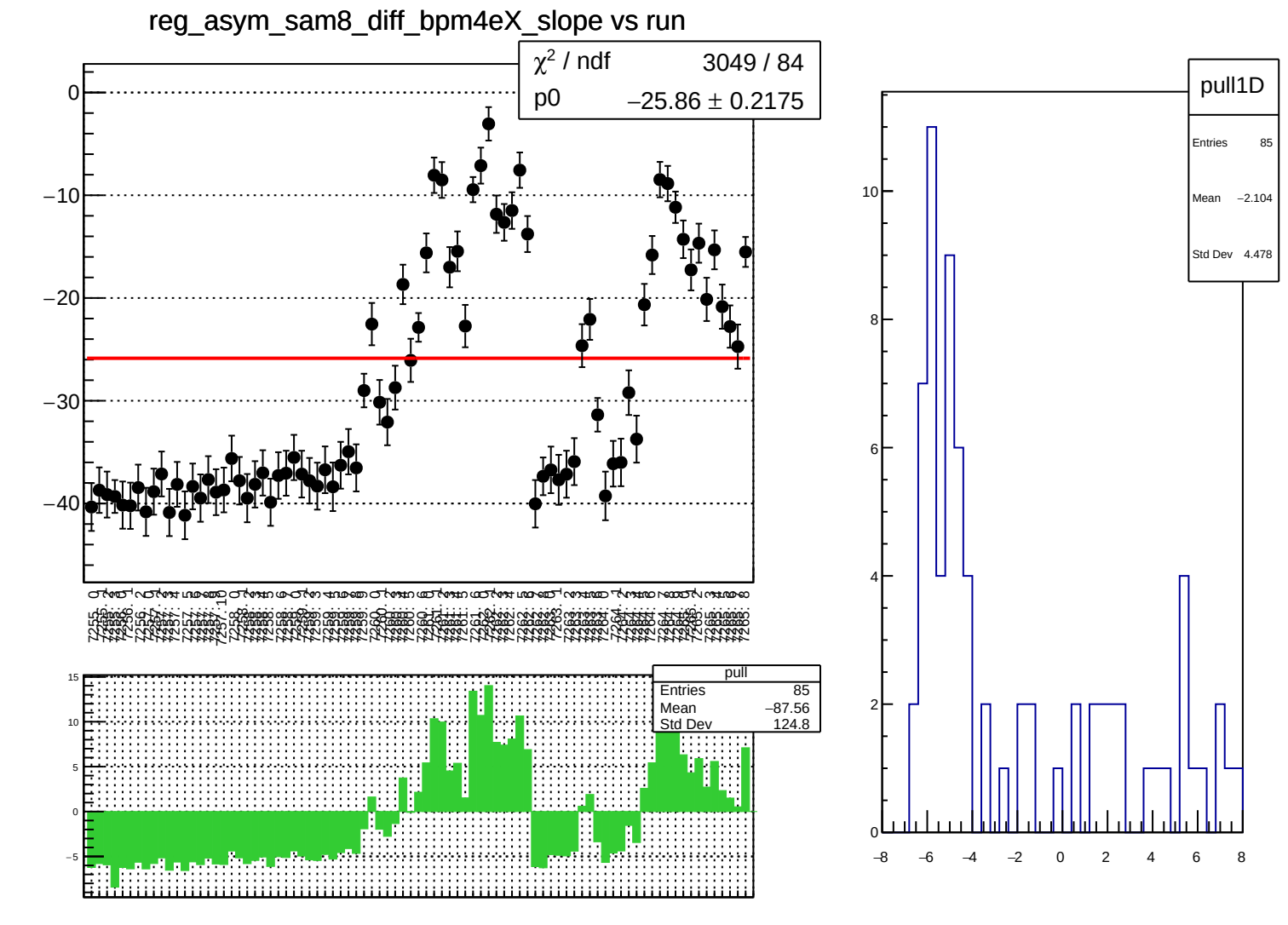

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 308.5 / 84
p0 −19.08 ± 0.2128
pull
Entries 85
Mean −457.3
Std Dev 495.9
pull1D
Entries 85
Mean 0.05368
Std Dev 1.904

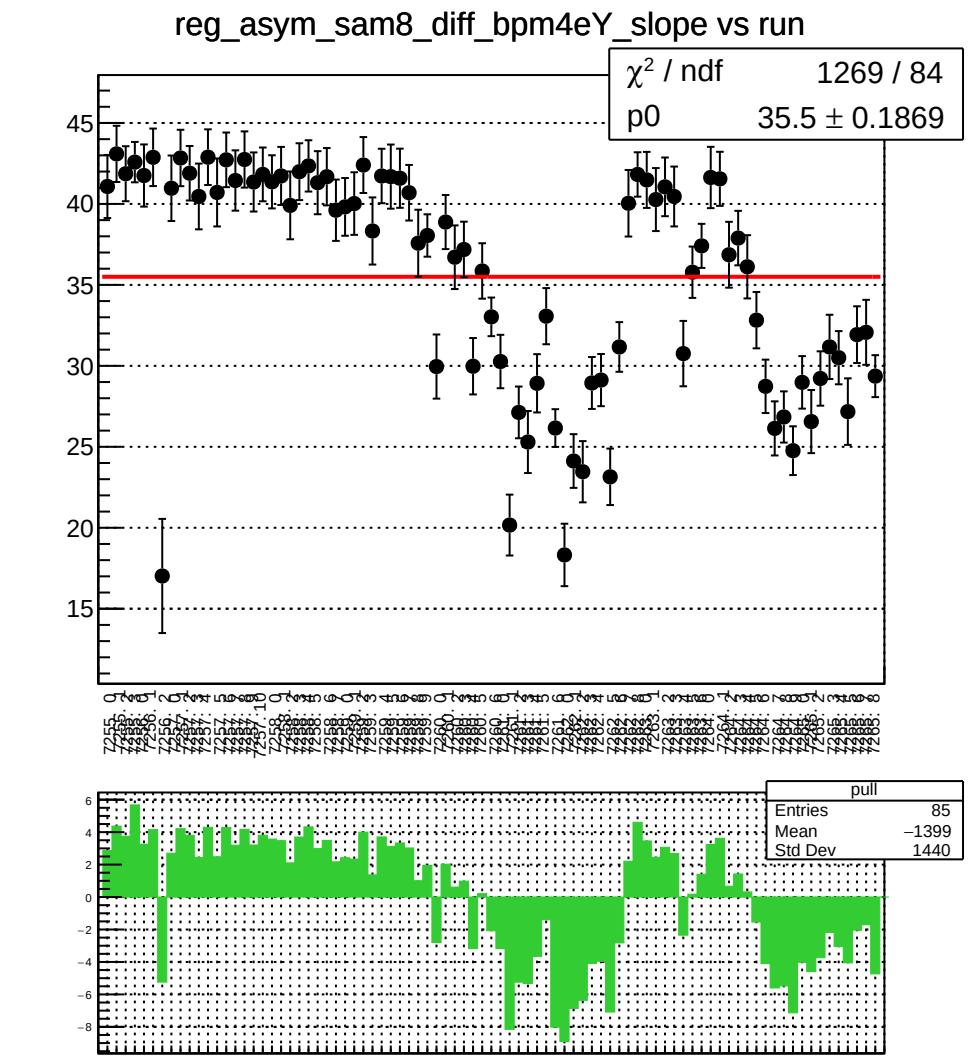

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 22.21 / 84
p0 0.3496 ± 0.009045
pull
Entries 85
Mean −1384
Std Dev 1424
pull1D
Entries 85
Mean 0.004248
Std Dev 0.5111

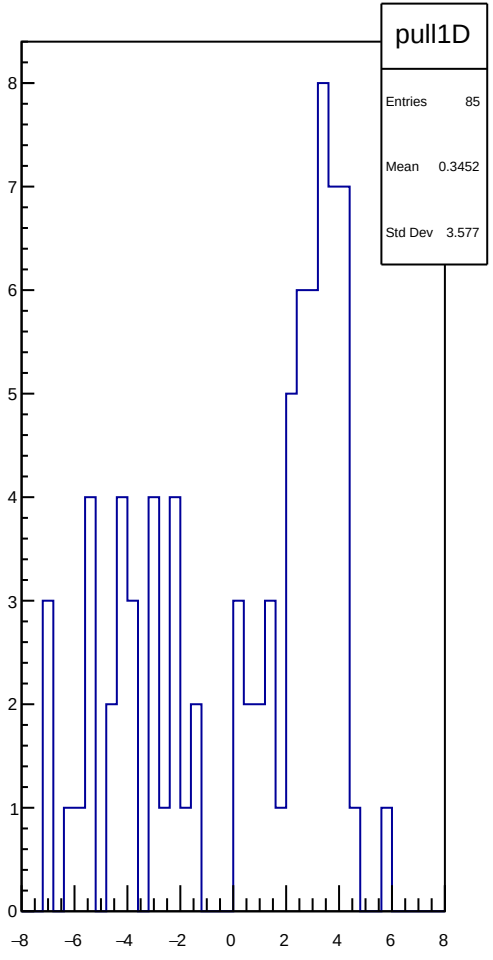

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 3319 / 84
p0 −0.8443 ± 0.2005
pull
Entries 85
Mean −95.33
Std Dev 132.8

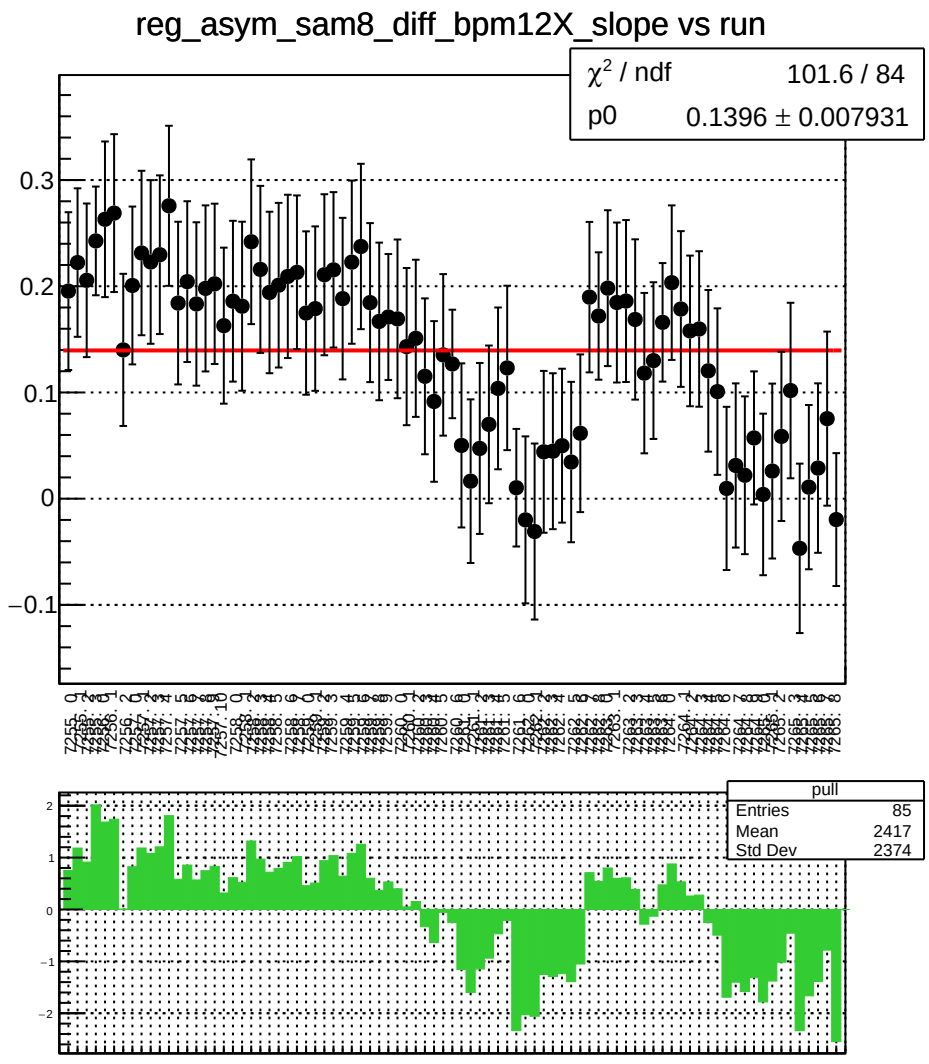

pull1D
Entries 85
Mean 2.158
Std Dev 4.679

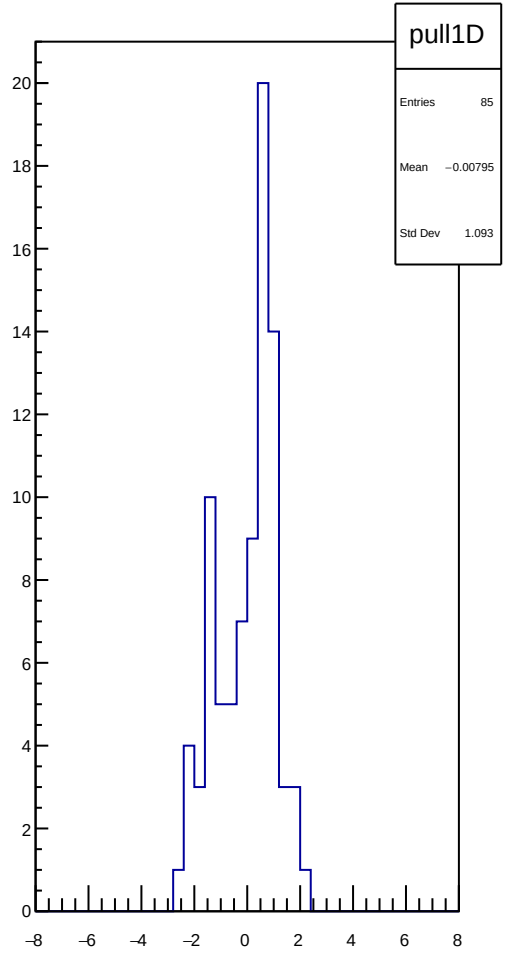

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 1306 / 84
p0 −31.97 ± 0.1772
pull
Entries 85
Mean 3839
Std Dev 3798
pull1D
Entries 85
Mean −0.2024
Std Dev 3.705

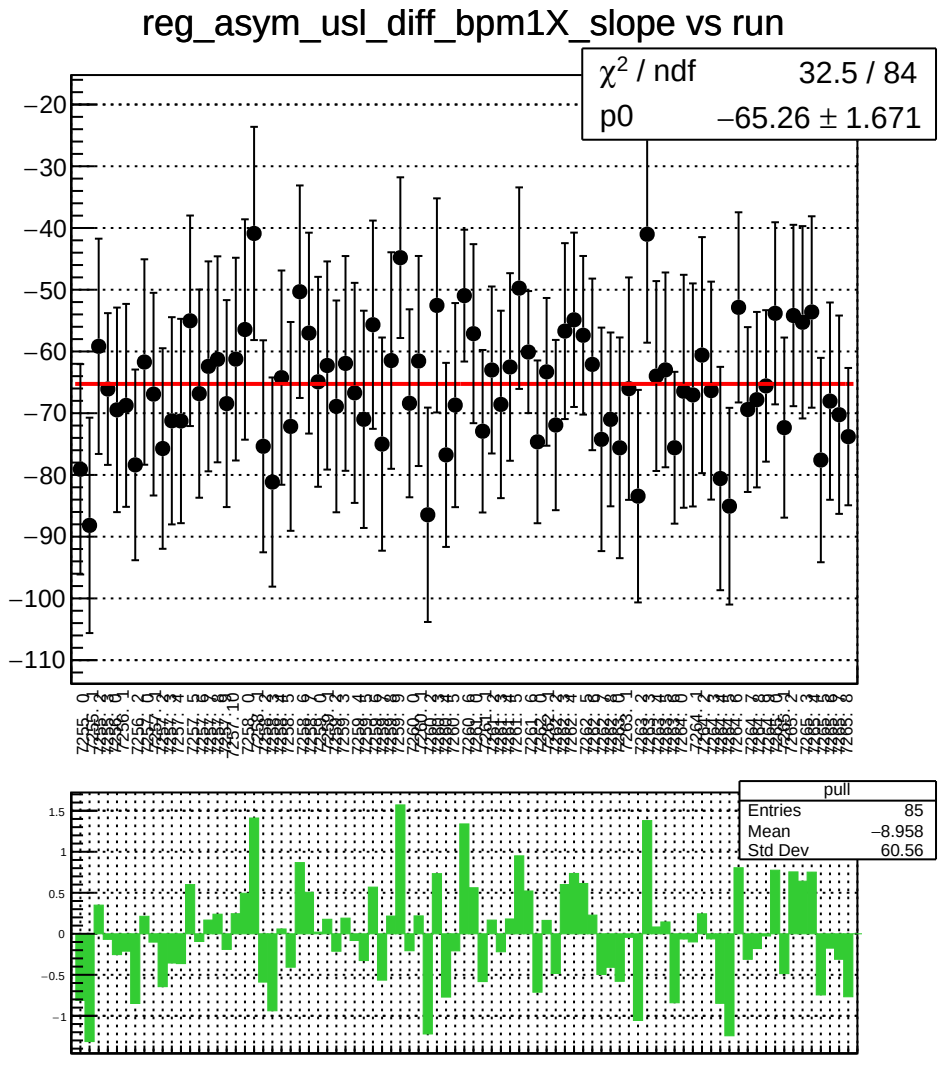

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 3049 / 84
p0 −25.86 ± 0.2175
pull
Entries 85
Mean −87.56
Std Dev 124.8
pull1D
Entries 85
Mean −2.104
Std Dev 4.478

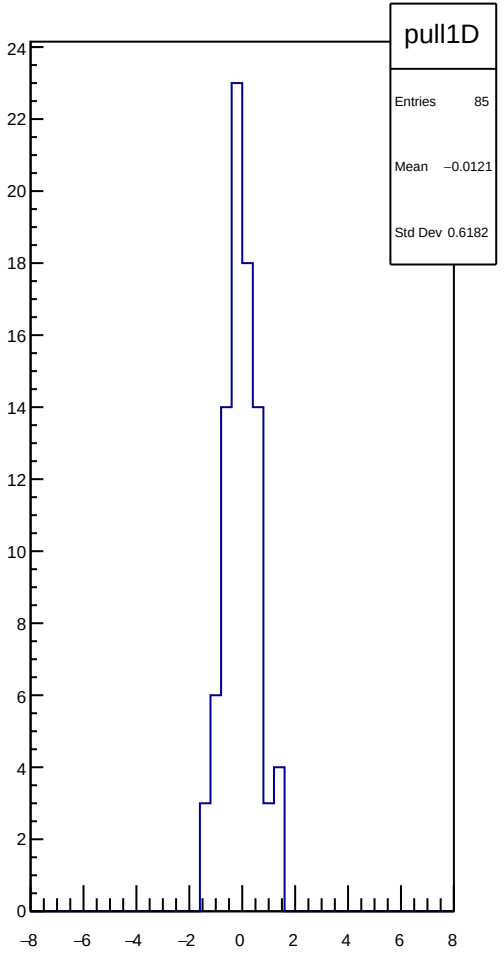

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 1269 / 84
p0 35.5 ± 0.1869
pull
Entries 85
Mean −1399
Std Dev 1440

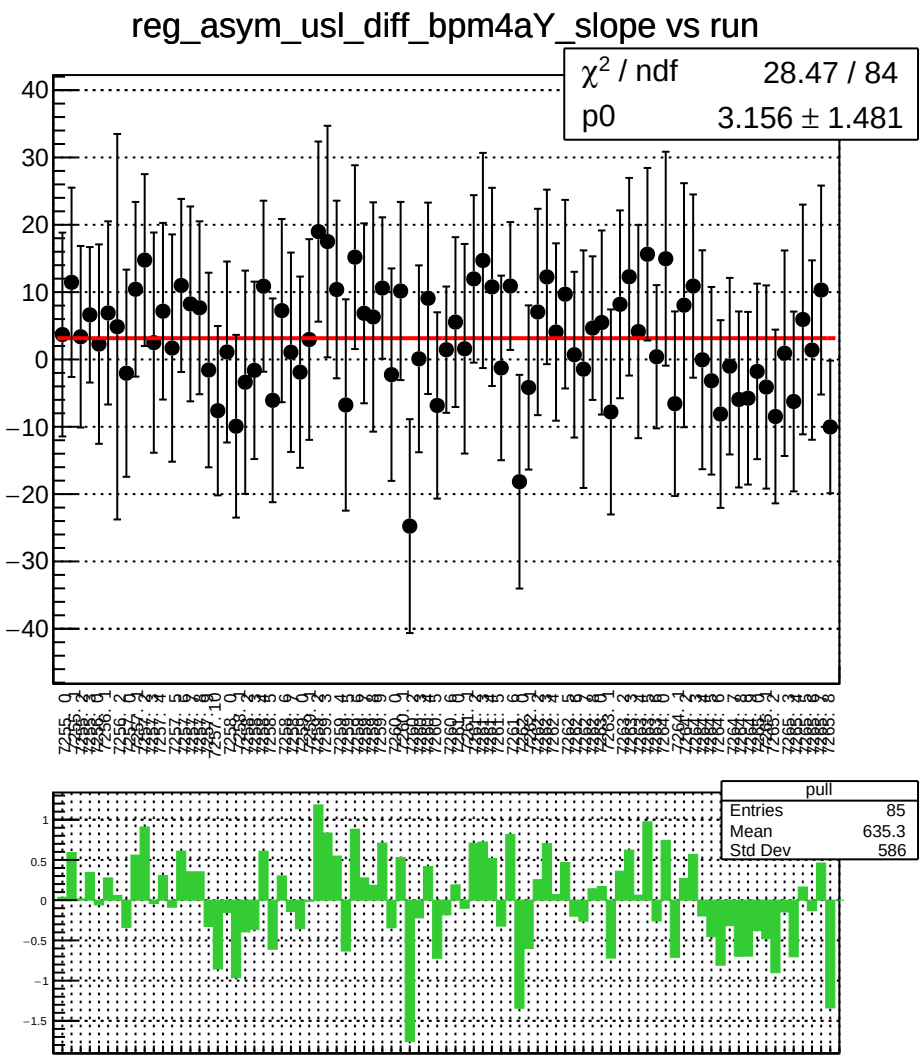

pull1D
Entries 85
Mean 0.3452
Std Dev 3.577

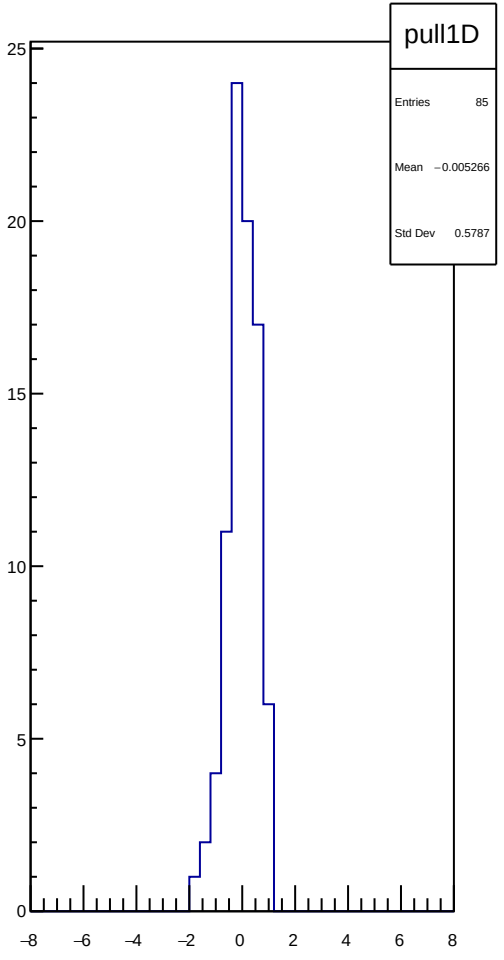

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 101.6 / 84
p0 0.1396 ± 0.007931
0.3
0.2
0.1
0
−0.1
pull
Entries 85
Mean 2417
Std Dev 2374
2
1
0
−1
−2

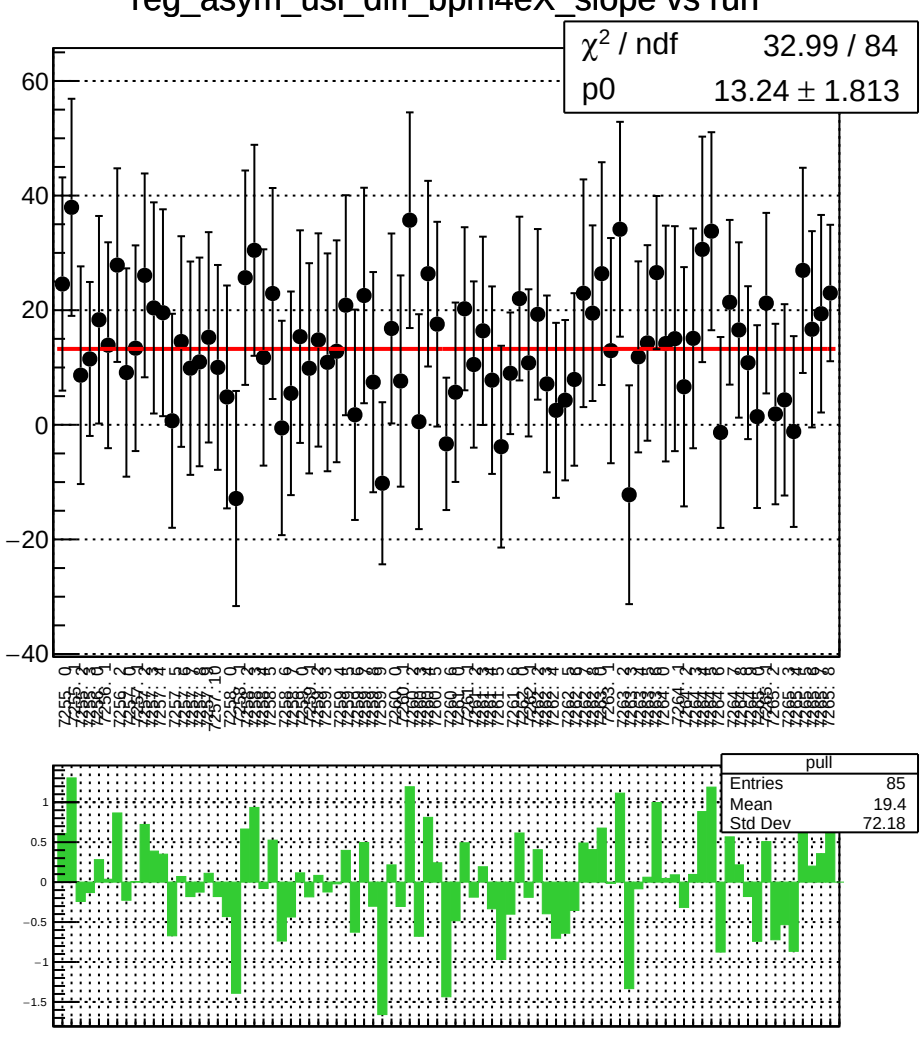

pull1D
Entries 85
Mean −0.00795
Std Dev 1.093
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

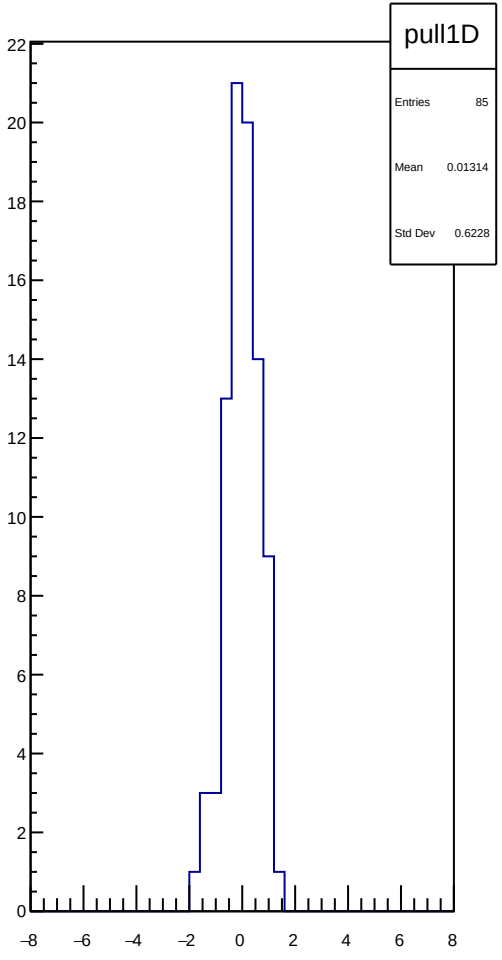

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 32.5 / 84
p0 −65.26 ± 1.671
pull
Entries 85
Mean −8.958
Std Dev 60.56

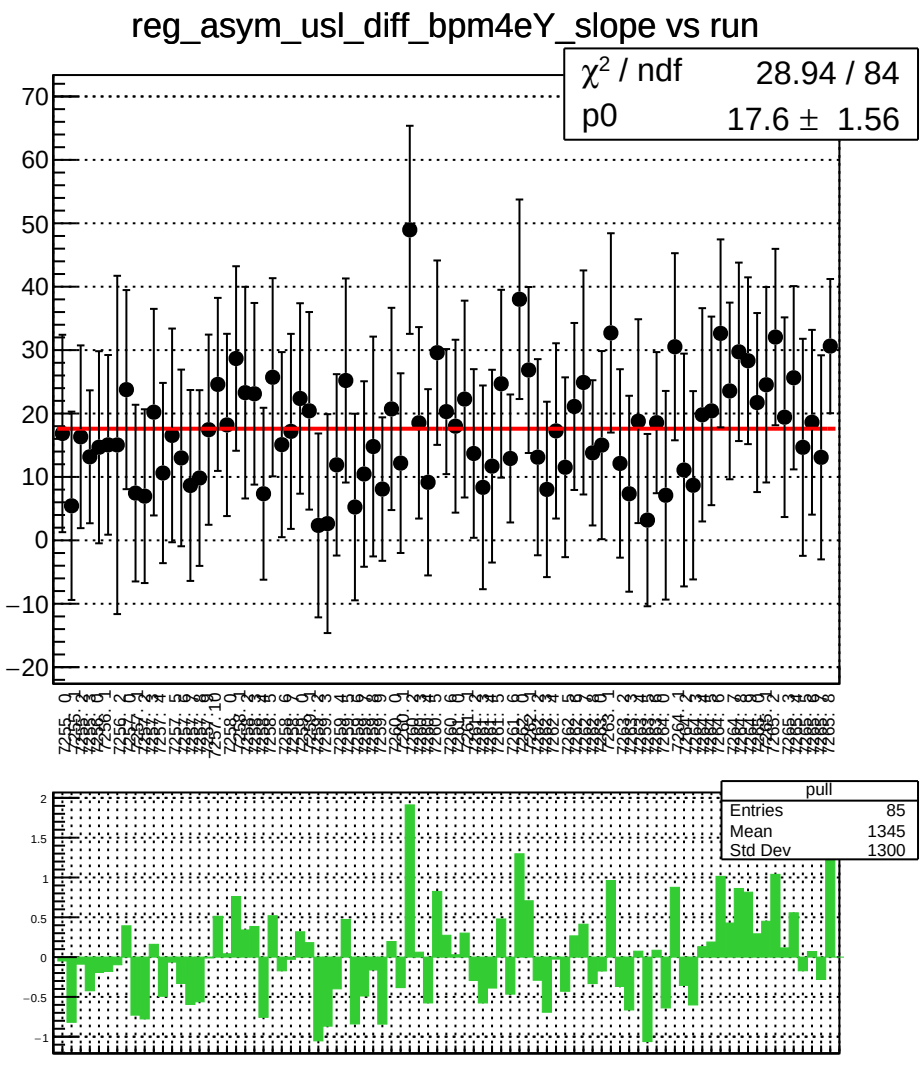

pull1D
Entries 85
Mean −0.0121
Std Dev 0.6182

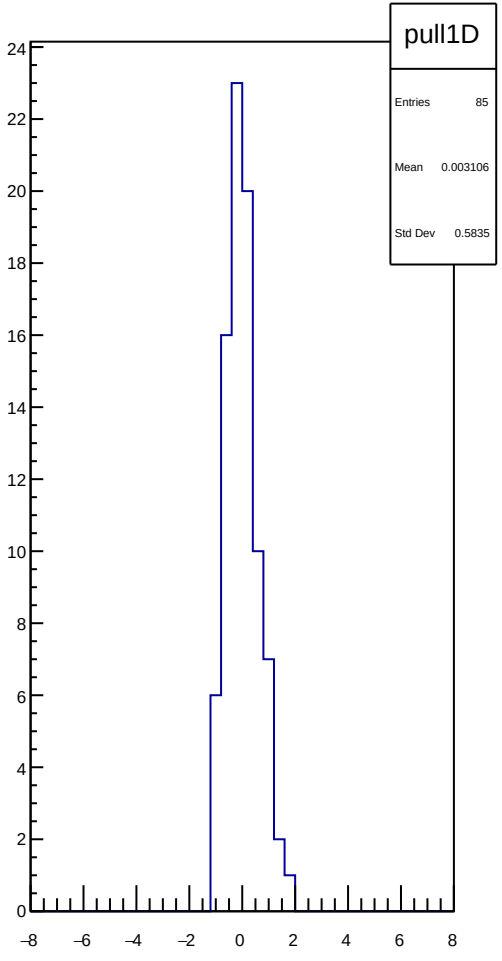

reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 28.47 / 84
p0 3.156 ± 1.481
pull
Entries 85
Mean 635.3
Std Dev 586

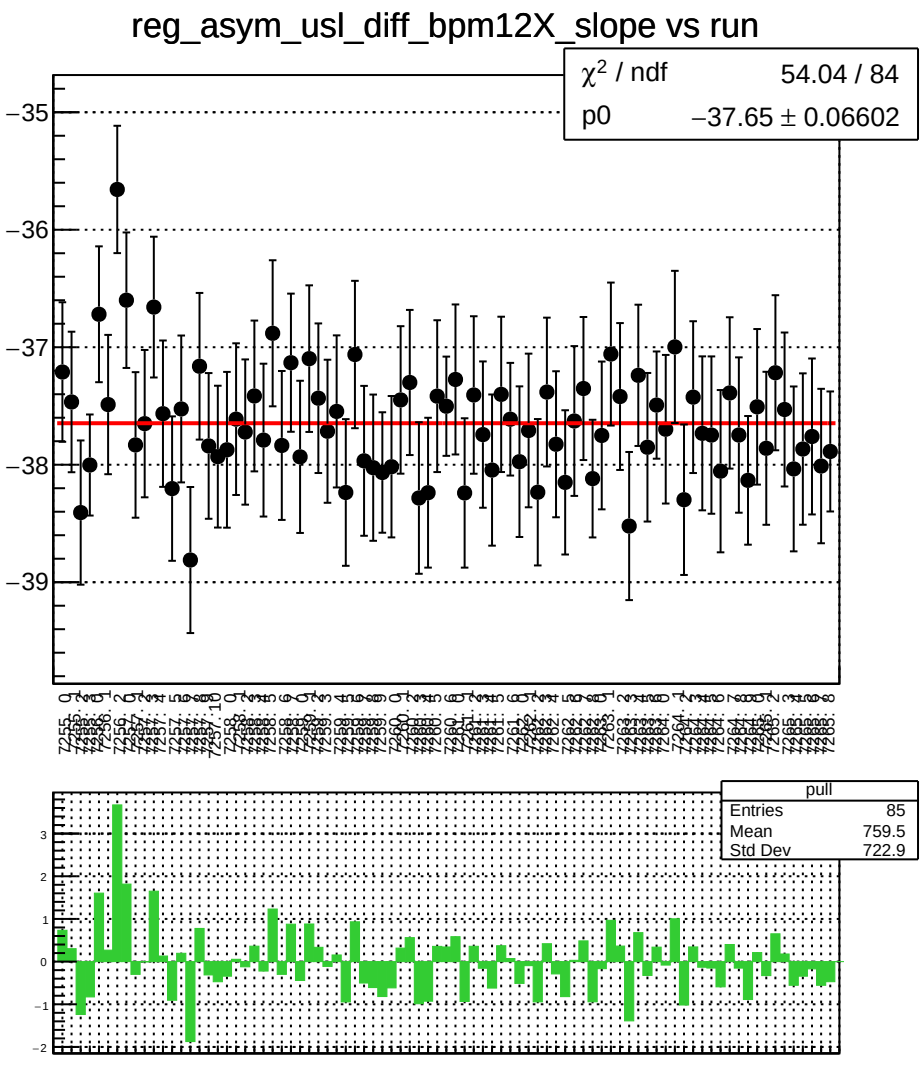

pull1D
Entries 85
Mean −0.005266
Std Dev 0.5787

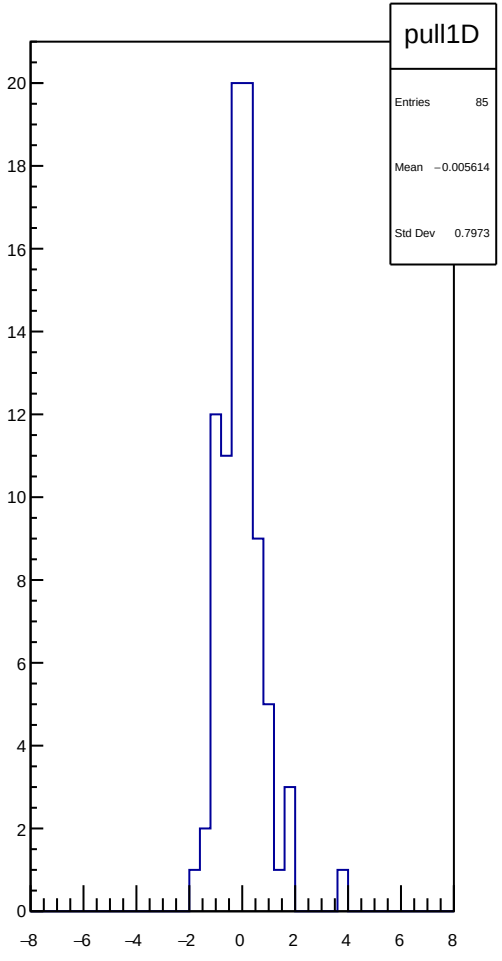

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 32.99 / 84
p0 13.24 ± 1.813
pull
Entries 85
Mean 19.4
Std Dev 72.18

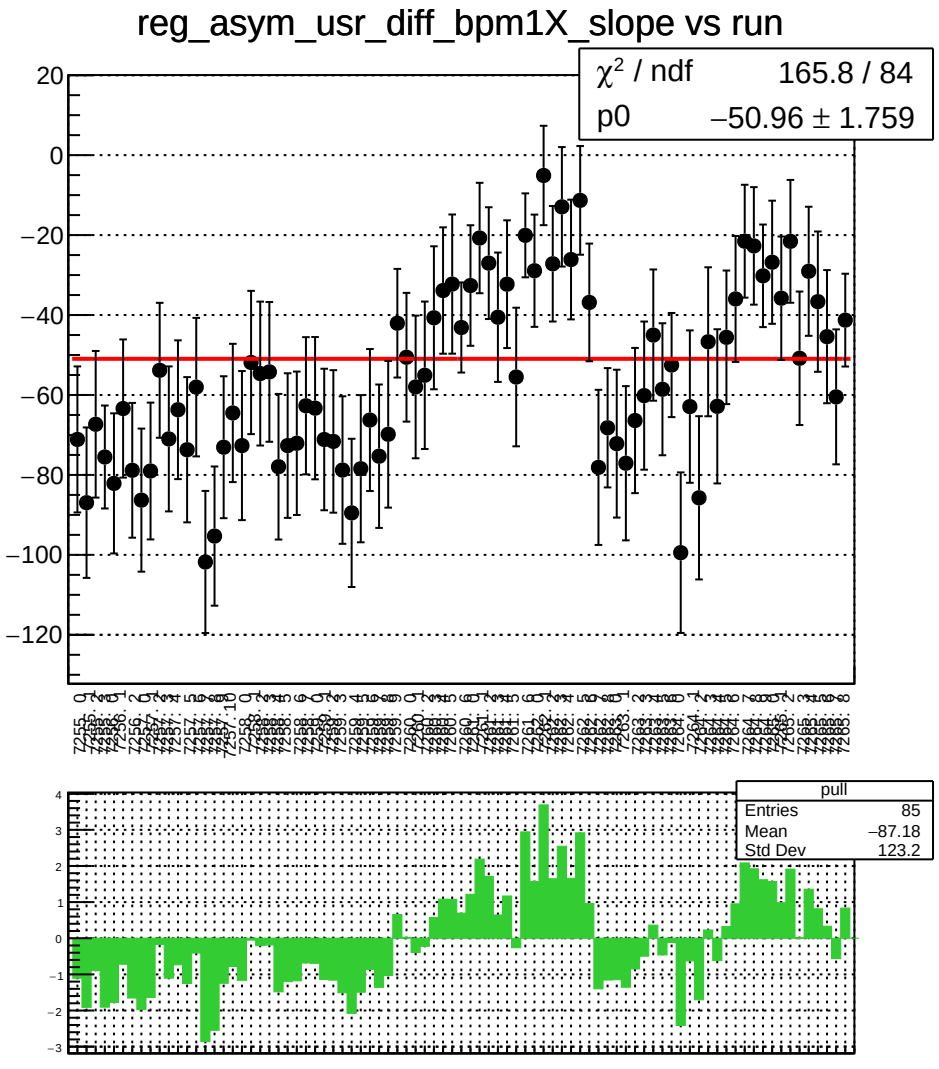

pull1D
Entries 85
Mean 0.01314
Std Dev 0.6228

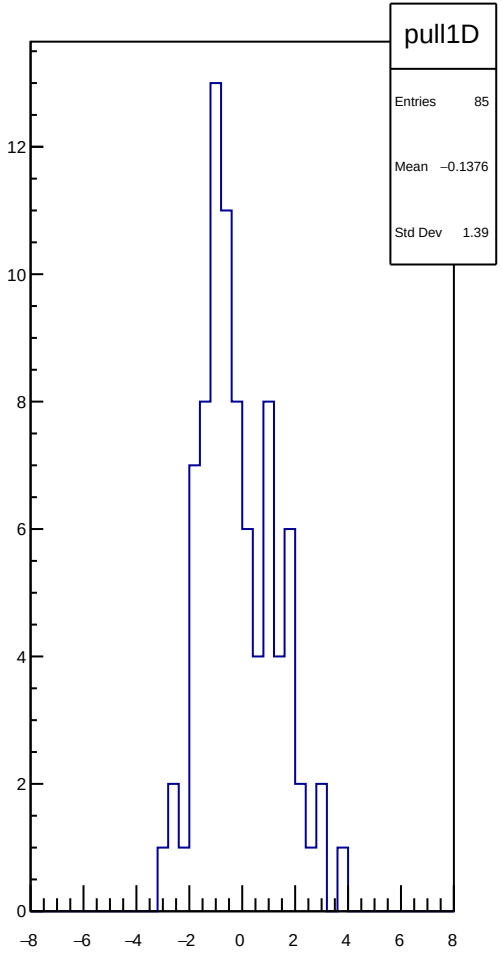

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 28.94 / 84
p0 17.6 ± 1.56
pull
Entries 85
Mean 1345
Std Dev 1300

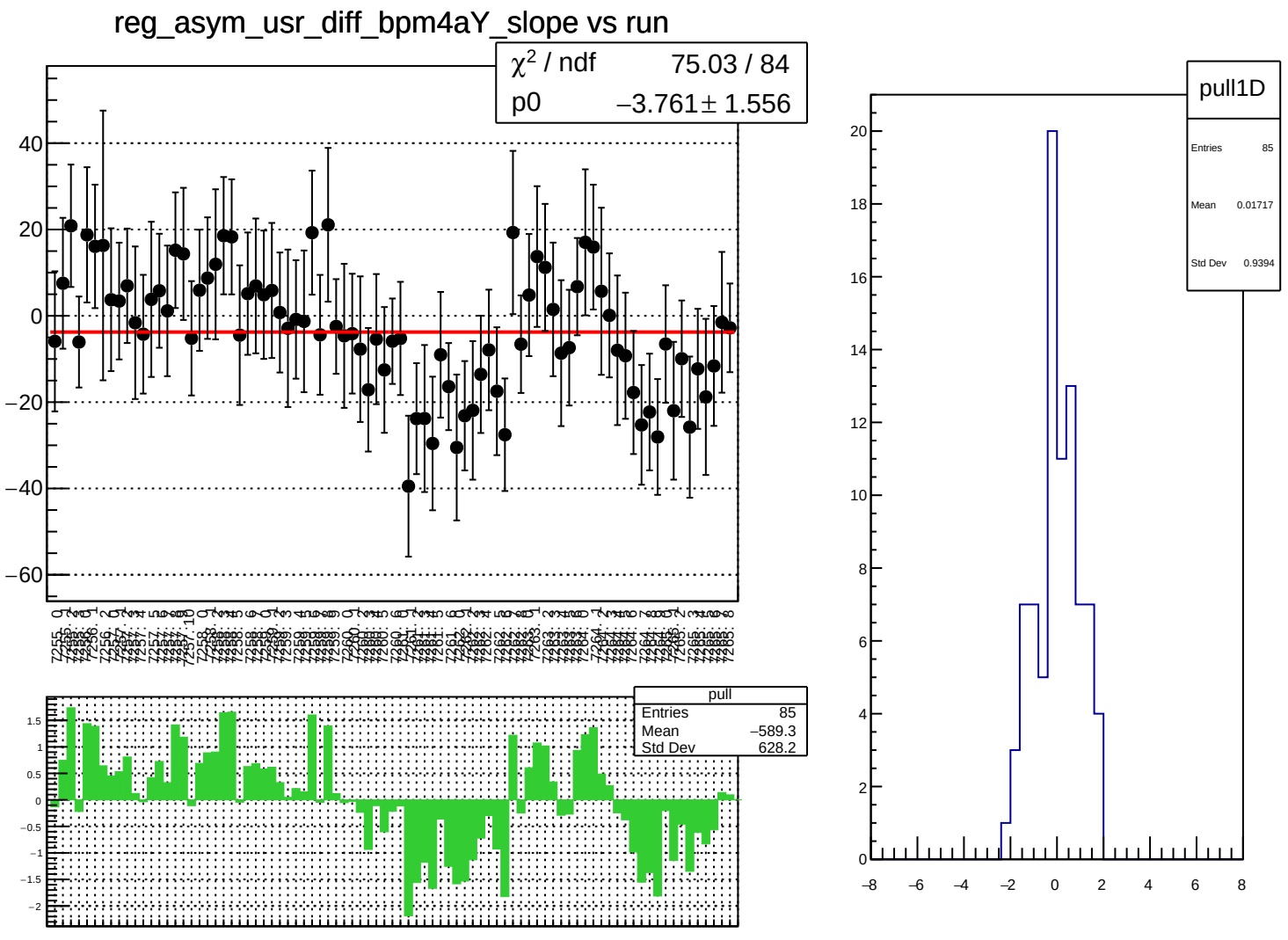

pull1D
Entries 85
Mean 0.003106
Std Dev 0.5835

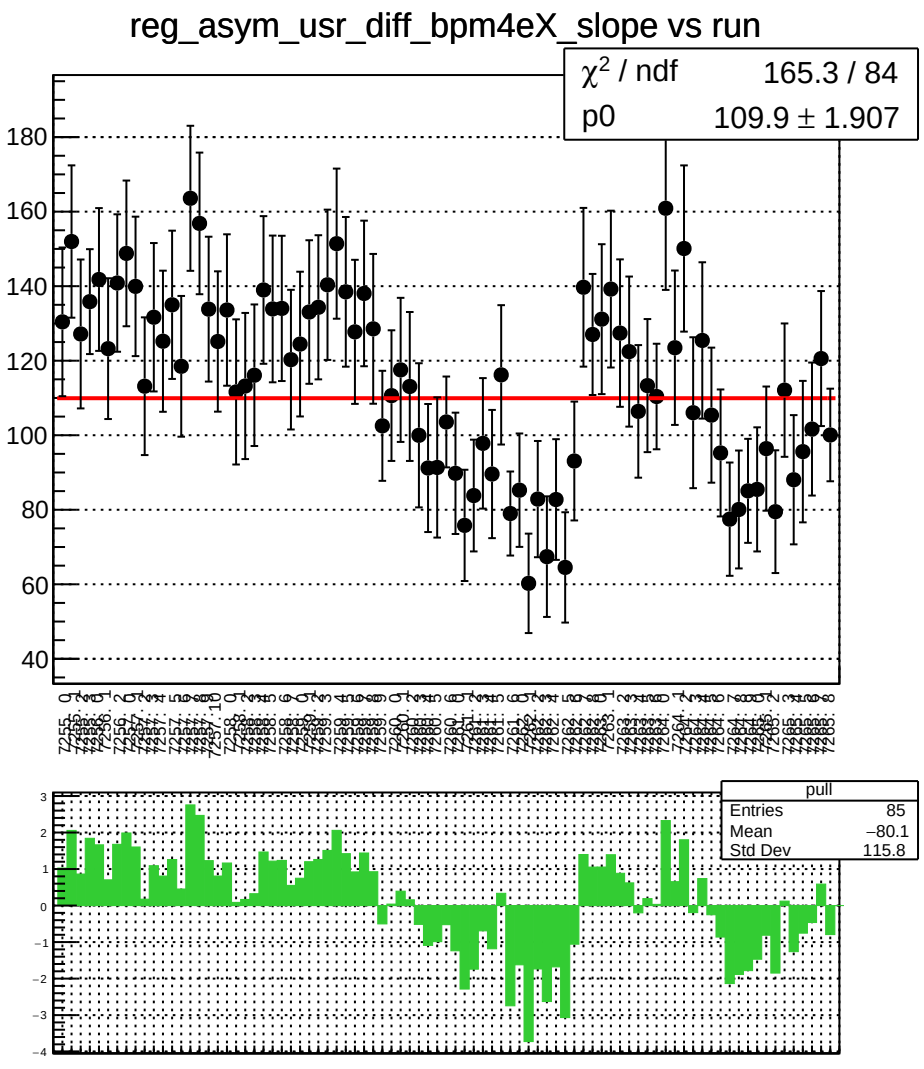

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 54.04 / 84
p0 −37.65 ± 0.06602
pull
Entries 85
Mean 759.5
Std Dev 722.9

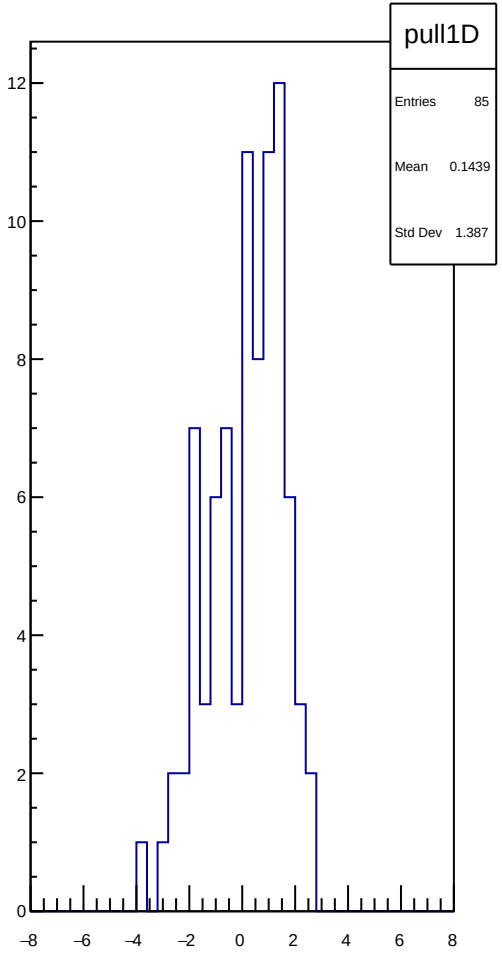

pull1D
Entries 85
Mean −0.005614
Std Dev 0.7973

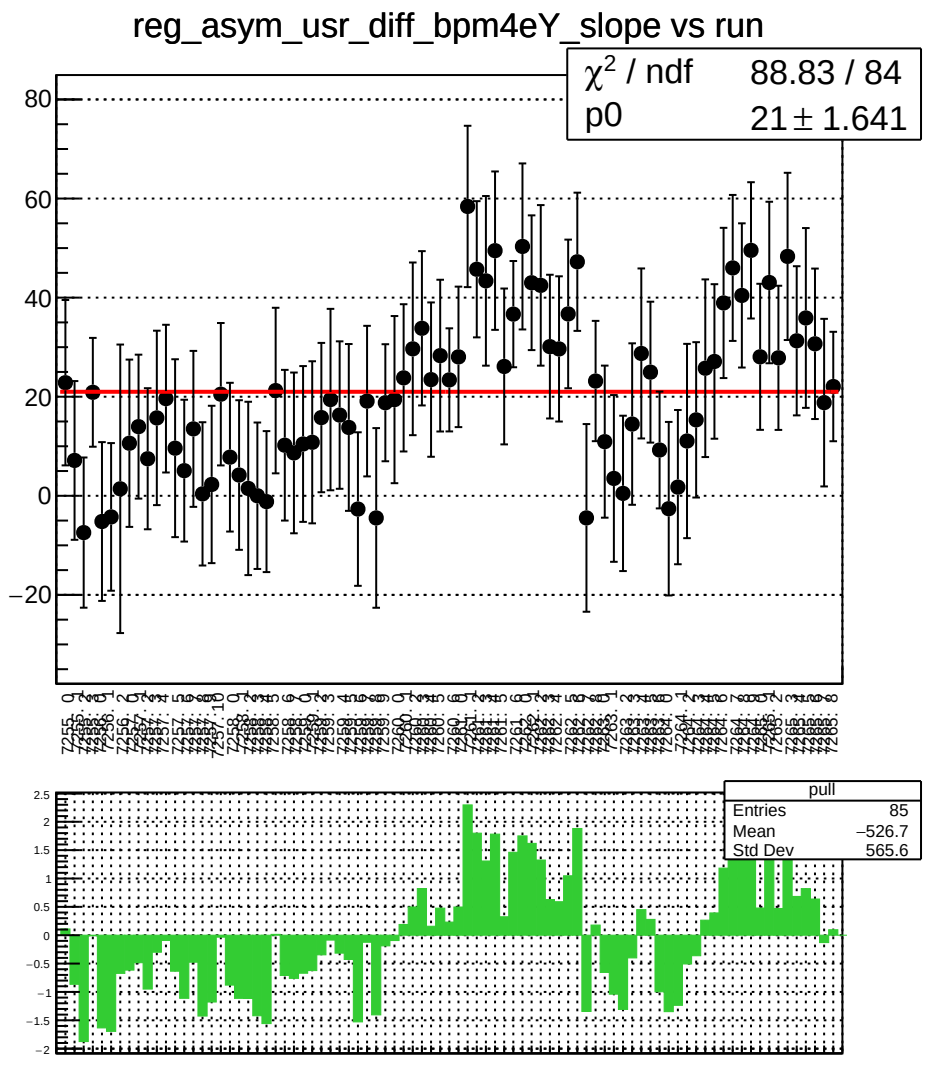

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 165.8 / 84
p0 −50.96 ± 1.759
pull
Entries 85
Mean −87.18
Std Dev 123.2

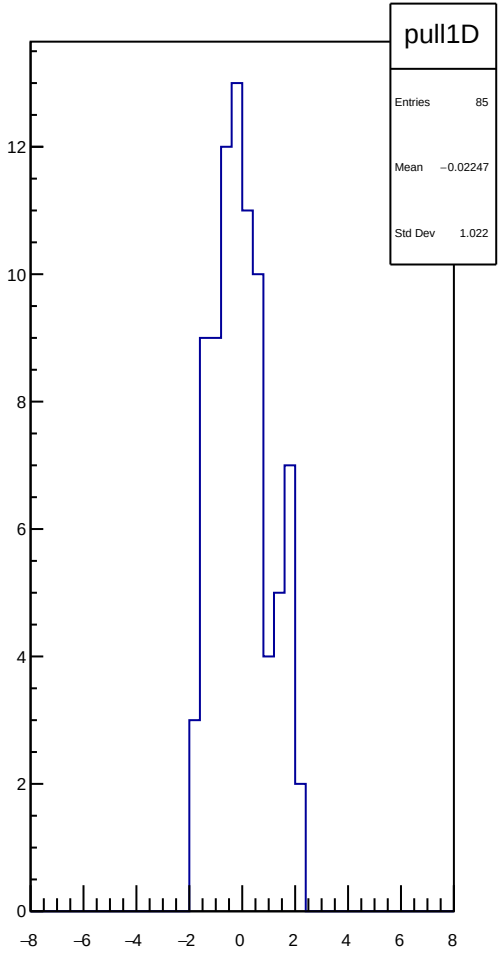

pull1D
Entries 85
Mean −0.1376
Std Dev 1.39

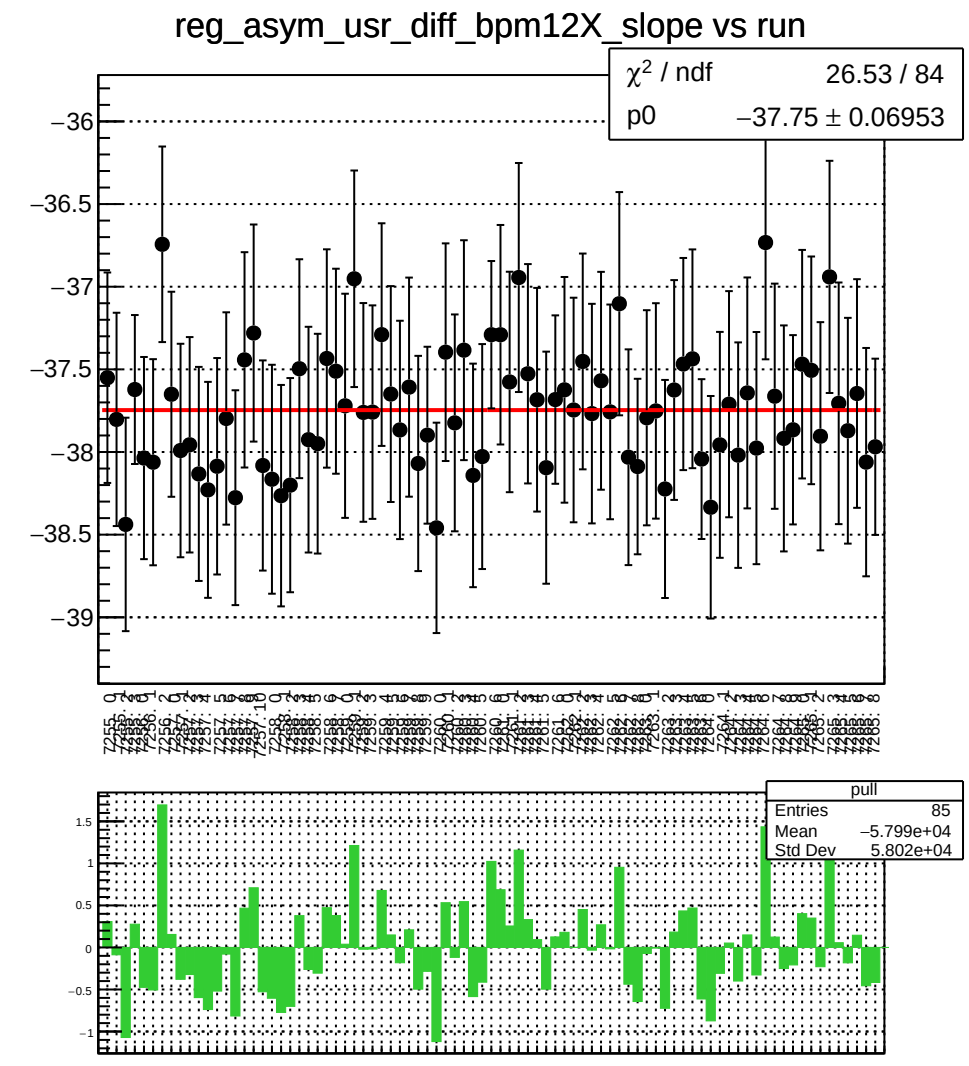

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 75.03 / 84
p0 −3.761 ± 1.556
pull
Entries 85
Mean −589.3
Std Dev 628.2
pull1D
Entries 85
Mean 0.01717
Std Dev 0.9394

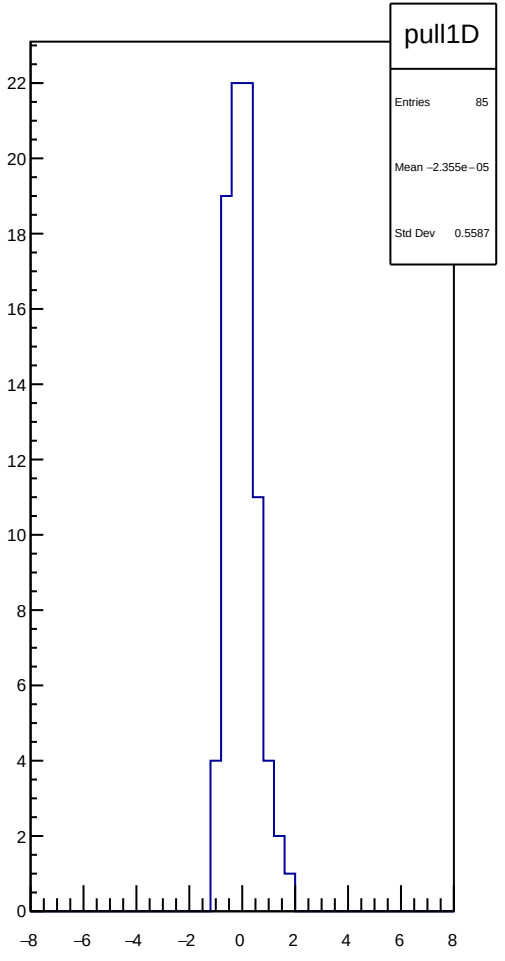

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 165.3 / 84
p0 109.9 ± 1.907
pull
Entries 85
Mean −80.1
Std Dev 115.8

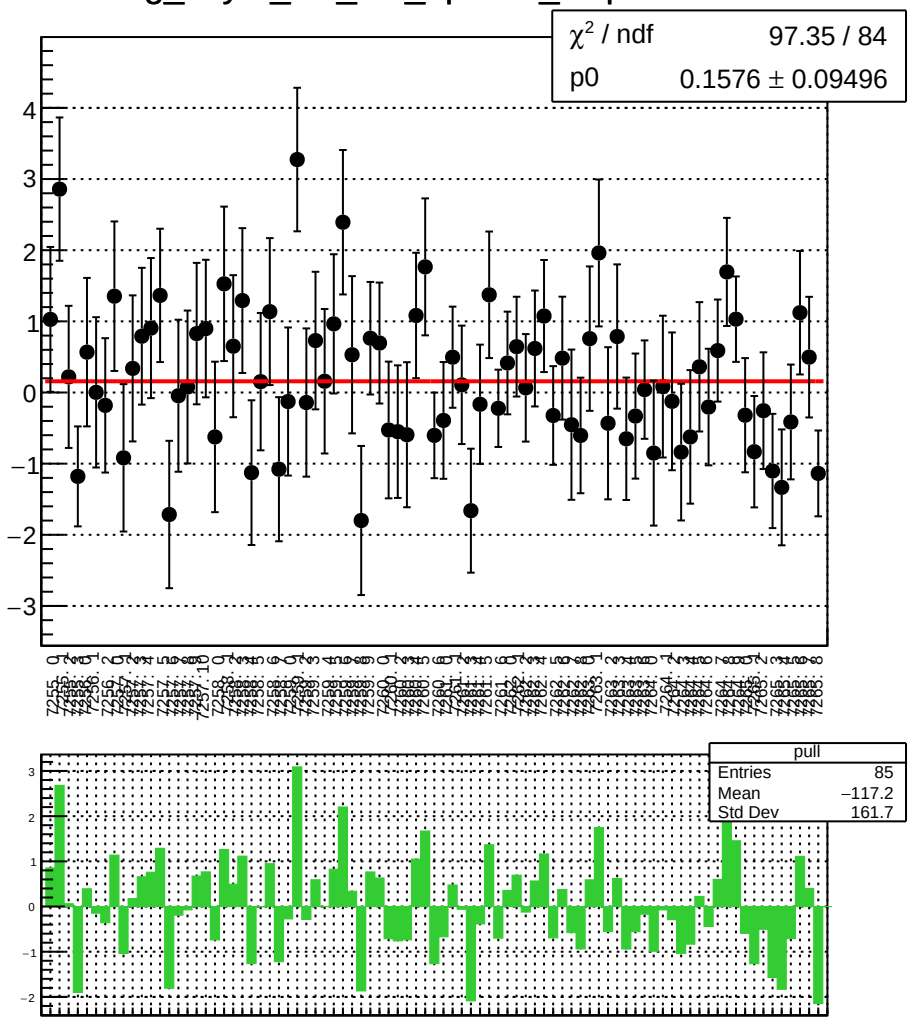

pull1D
Entries 85
Mean 0.1439
Std Dev 1.387

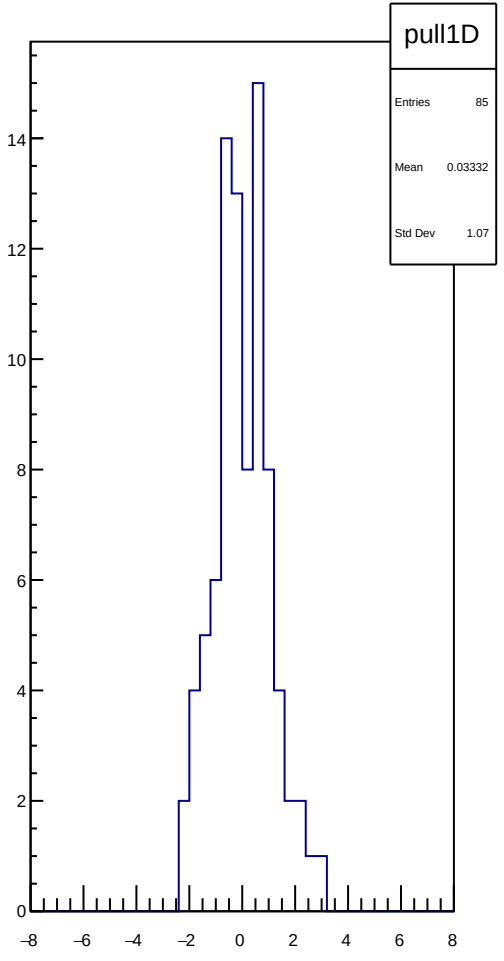

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 88.83 / 84
p0 21 ± 1.641
pull
Entries 85
Mean −526.7
Std Dev 565.6

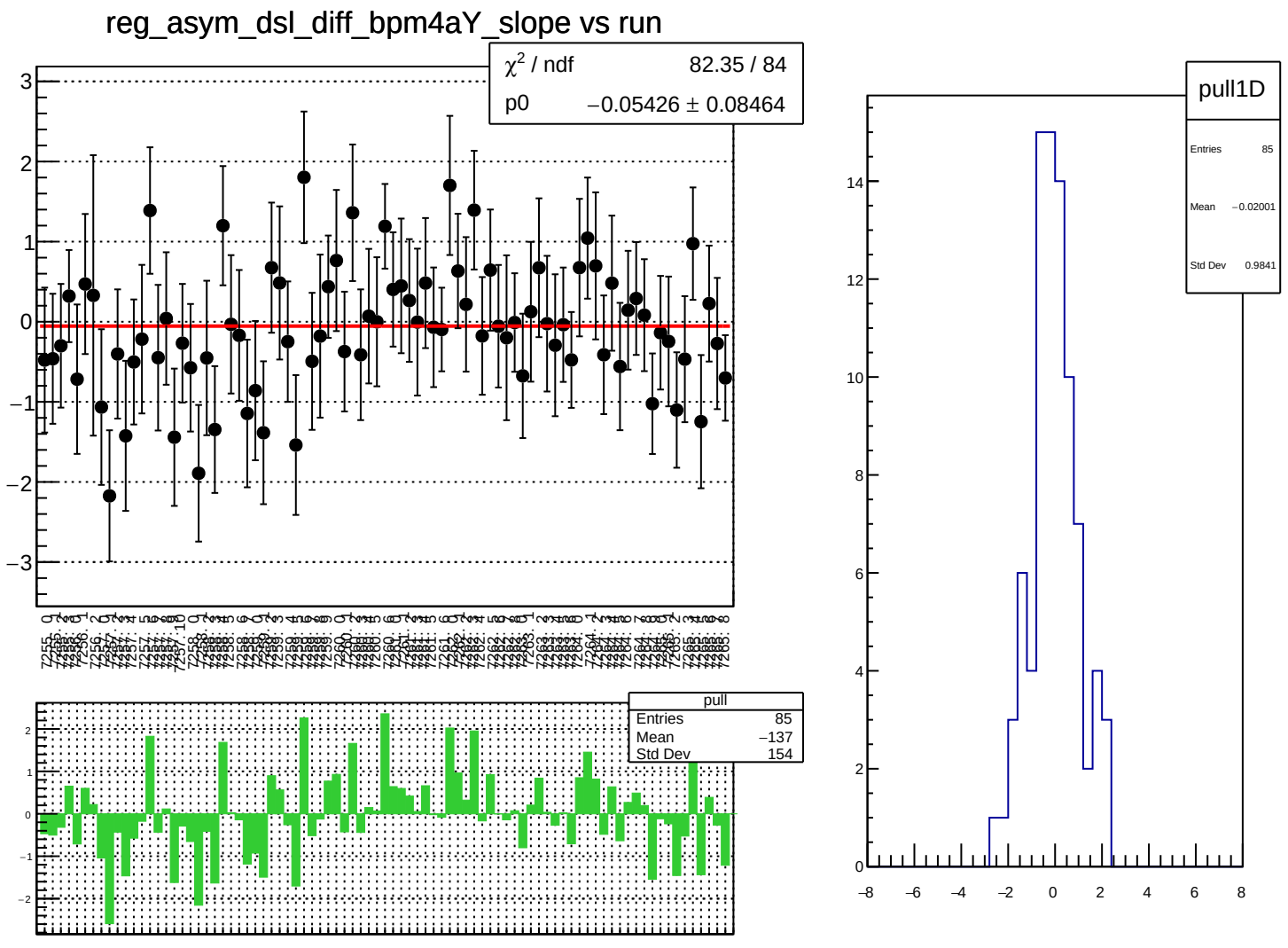

pull1D
Entries 85
Mean −0.02247
Std Dev 1.022

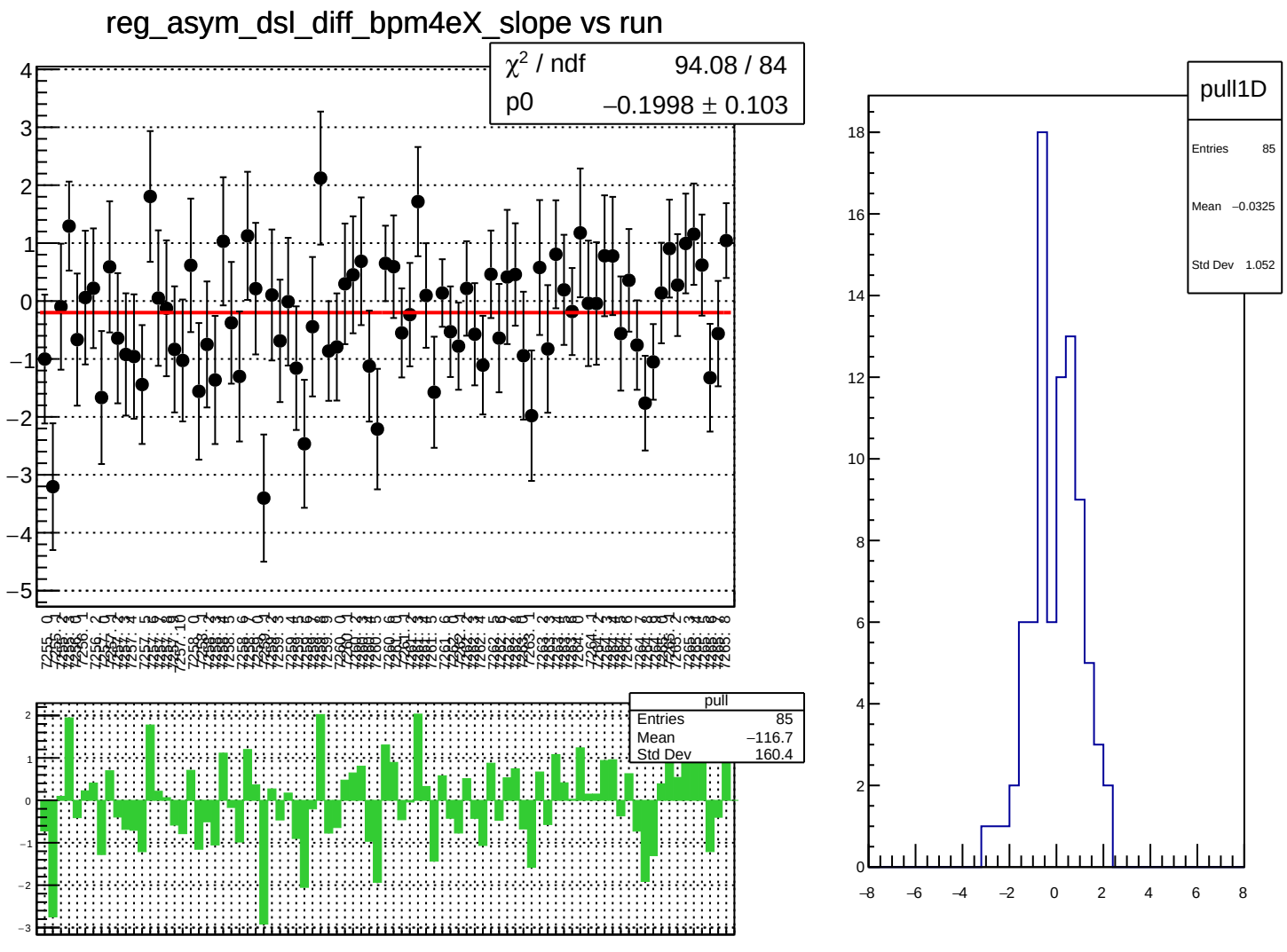

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 26.53 / 84
p0 −37.75 ± 0.06953
pull
Entries 85
Mean −5.799e+04
Std Dev 5.802e+04

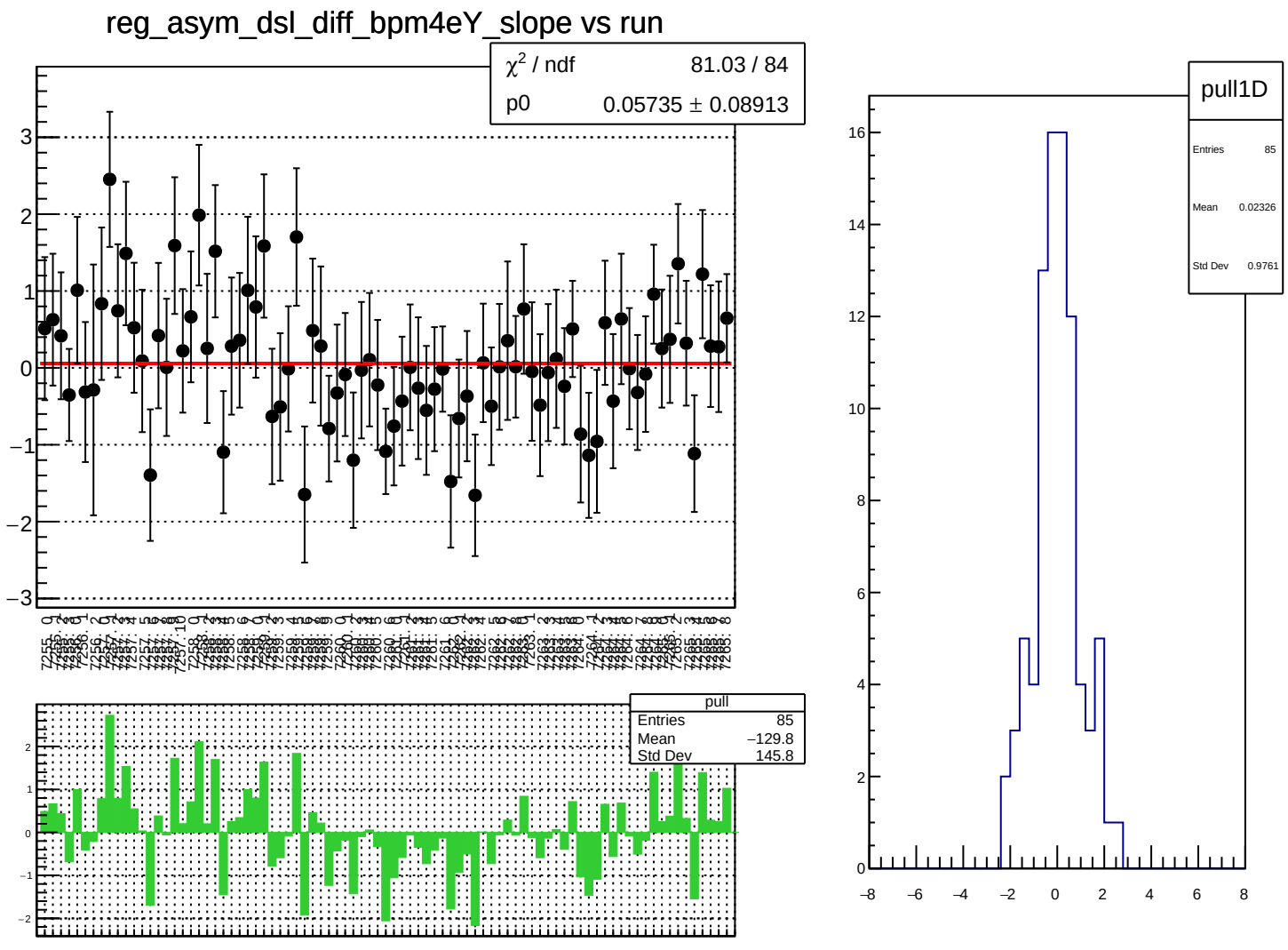

pull1D
Entries 85
Mean −2.355e−05
Std Dev 0.5587

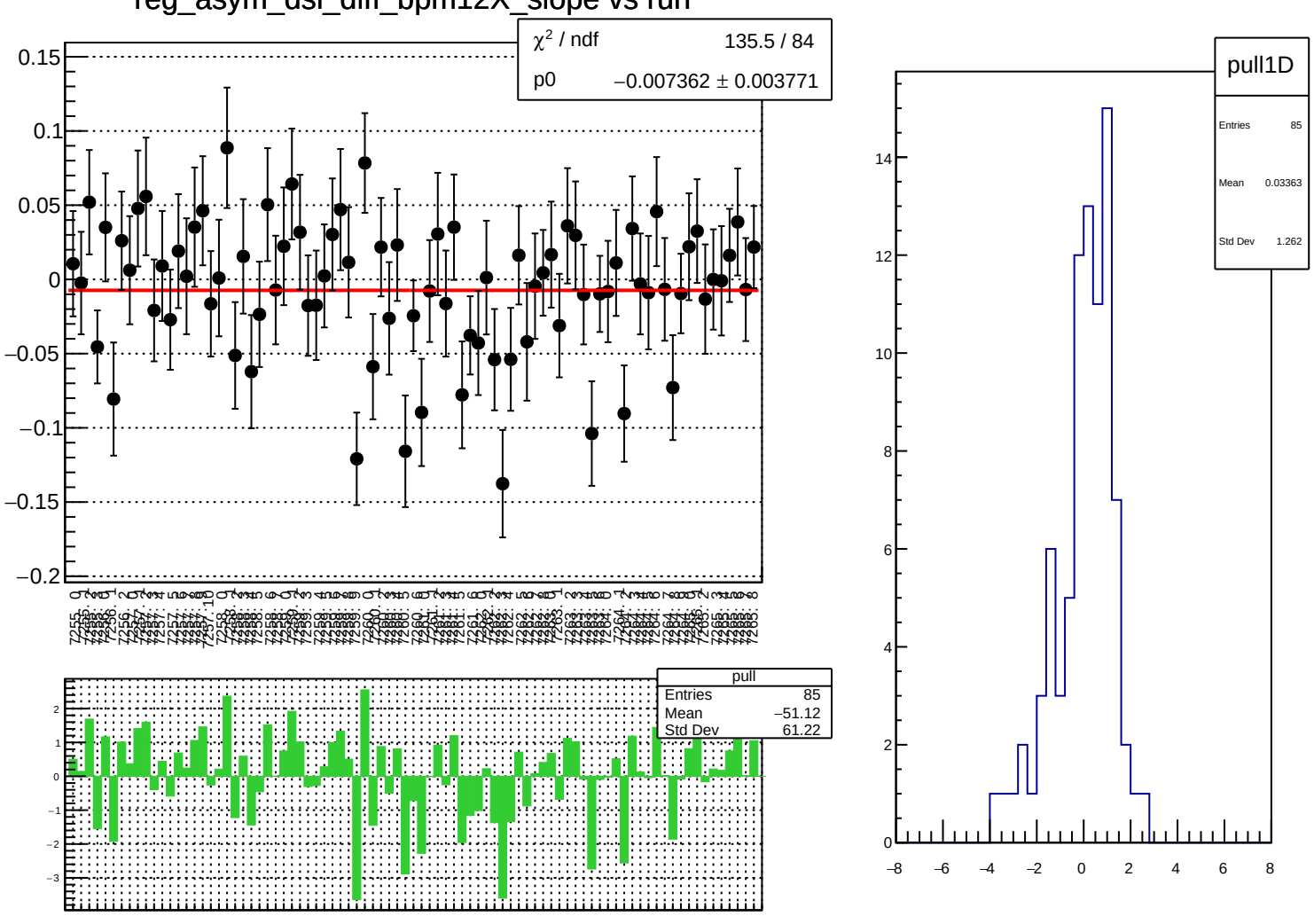

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 97.35 / 84
p0 0.1576 ± 0.09496
pull
Entries 85
Mean −117.2
Std Dev 161.7

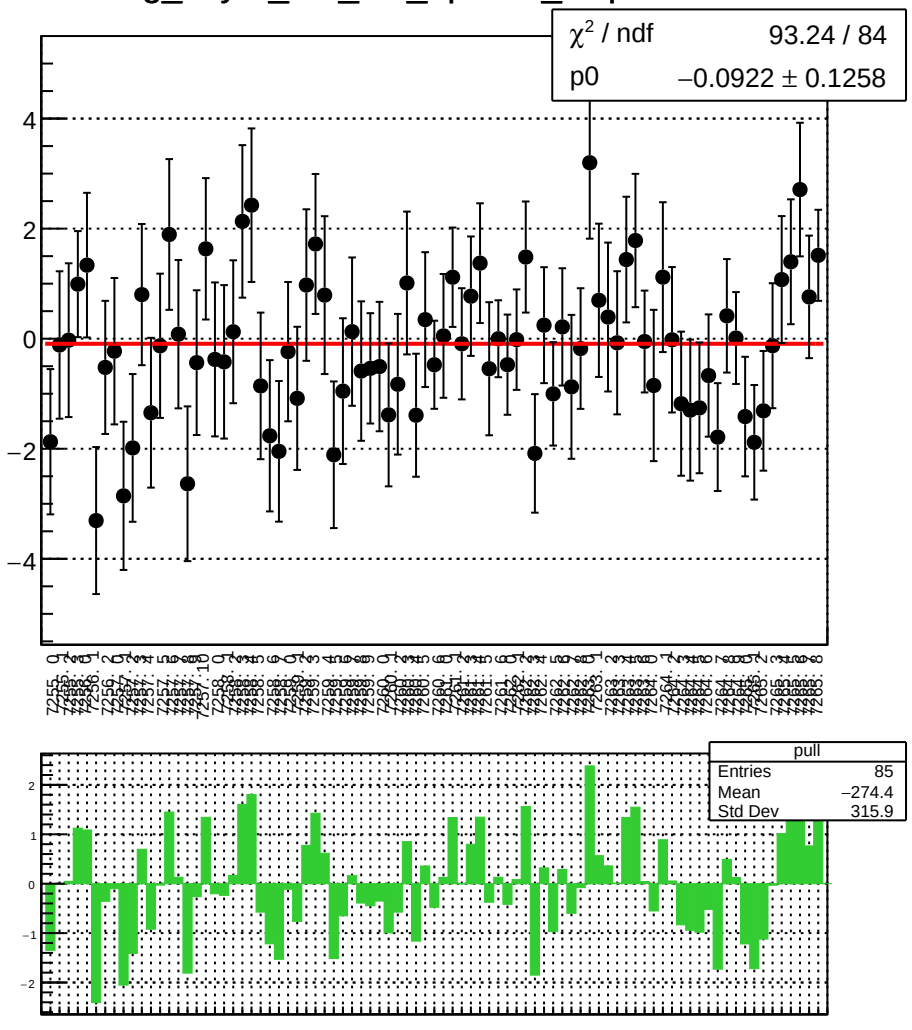

pull1D
Entries 85
Mean 0.03332
Std Dev 1.07

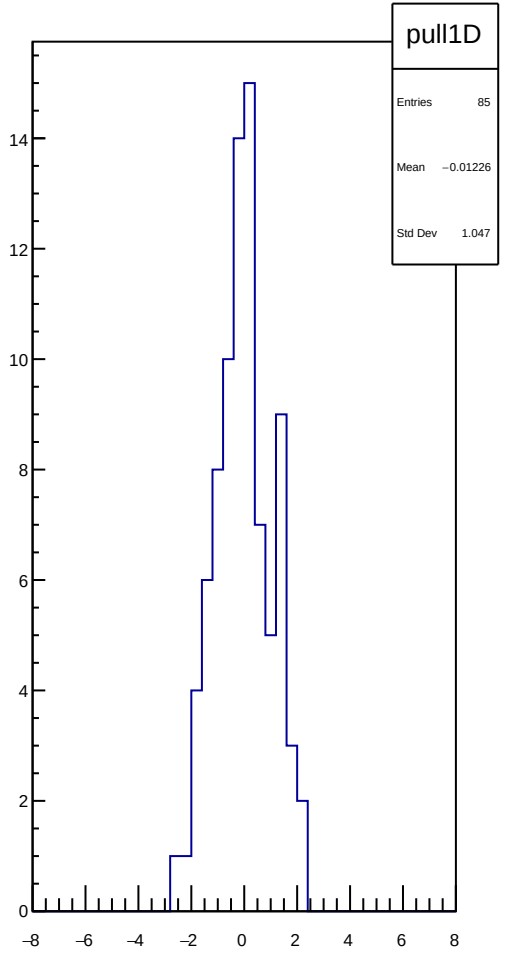

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 82.35 / 84
p0 −0.05426 ± 0.08464
pull
Entries 85
Mean −137
Std Dev 154
pull1D
Entries 85
Mean −0.02001
Std Dev 0.9841

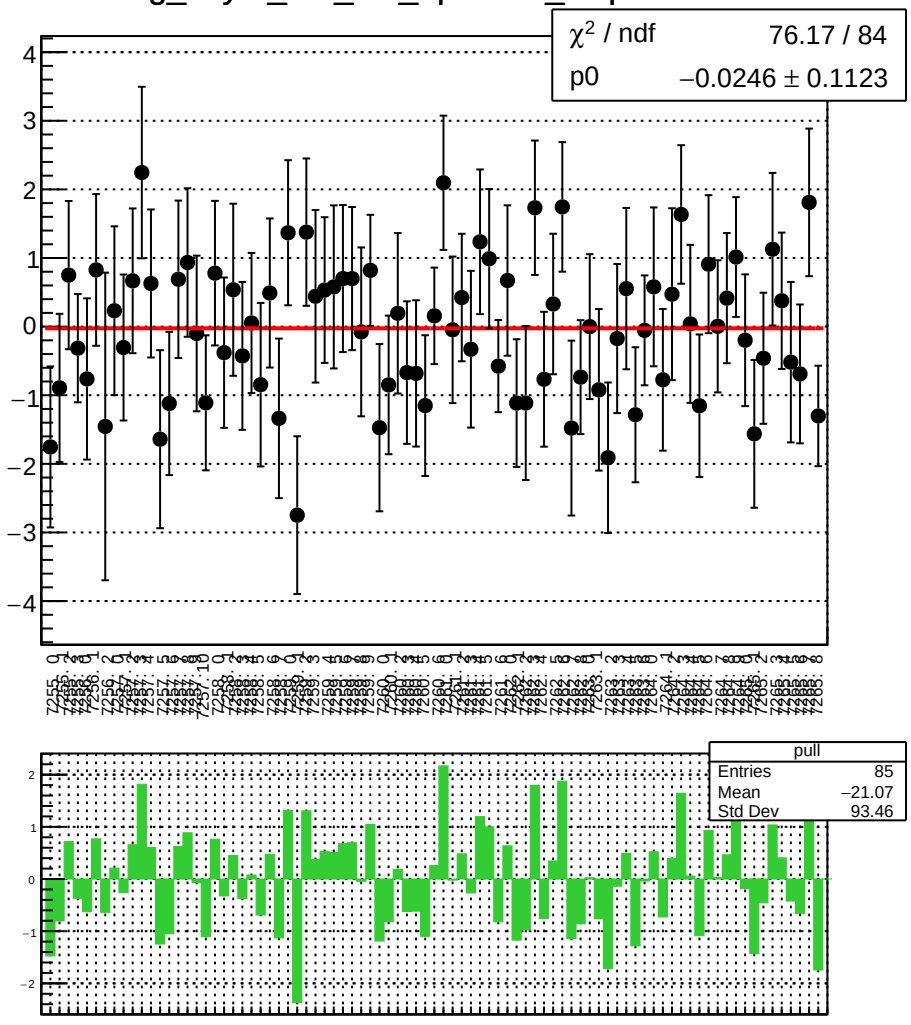

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 94.08 / 84
p0 −0.1998 ± 0.103
pull
Entries 85
Mean −116.7
Std Dev 160.4
pull1D
Entries 85
Mean −0.0325
Std Dev 1.052

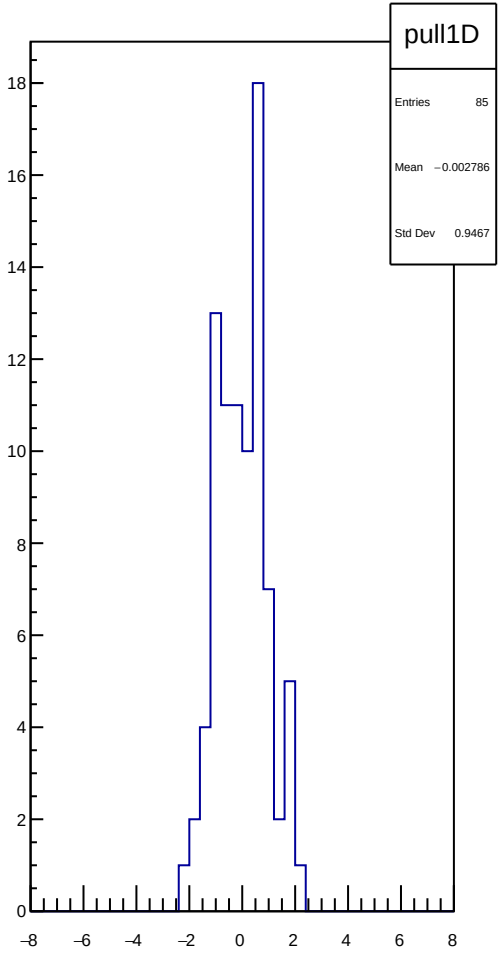

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 81.03 / 84
p0 0.05735 ± 0.08913
pull
Entries 85
Mean −129.8
Std Dev 145.8
pull1D
Entries 85
Mean 0.02326
Std Dev 0.9761

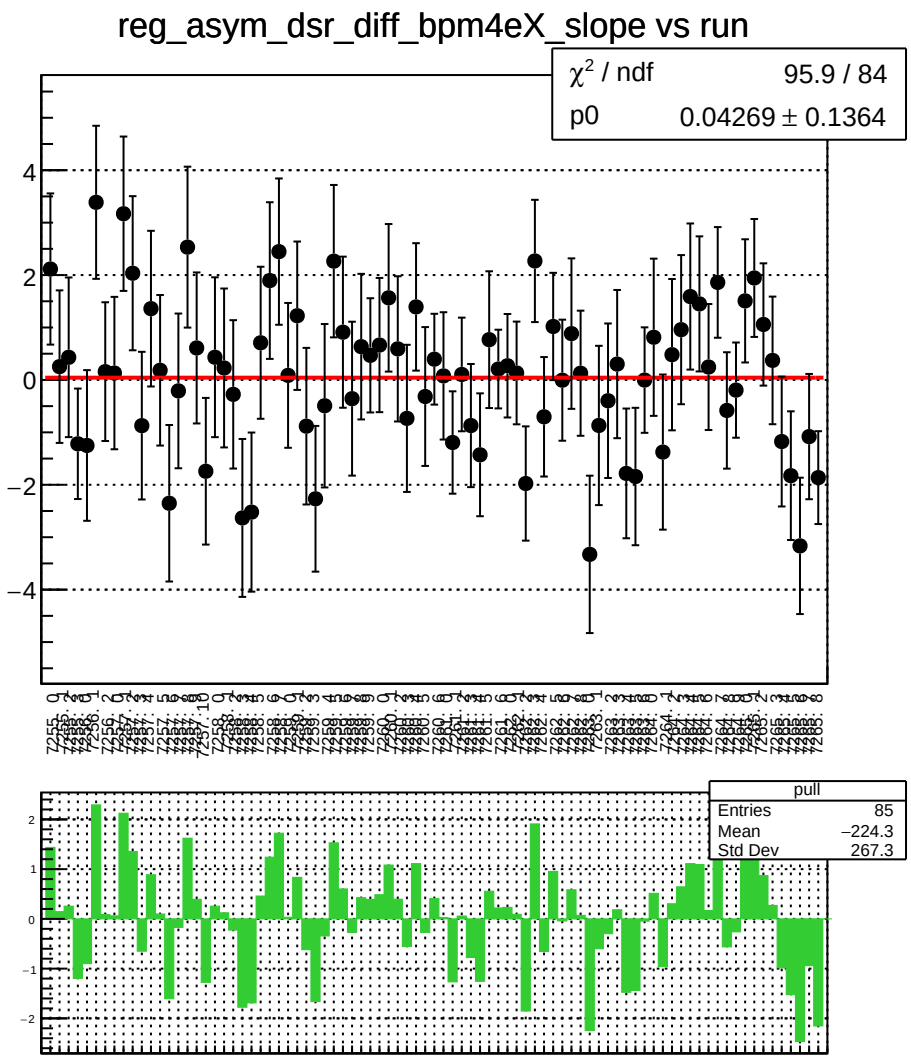

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 135.5 / 84
p0 −0.007362 ± 0.003771
pull
Entries 85
Mean −51.12
Std Dev 61.22
pull1D
Entries 85
Mean 0.03363
Std Dev 1.262

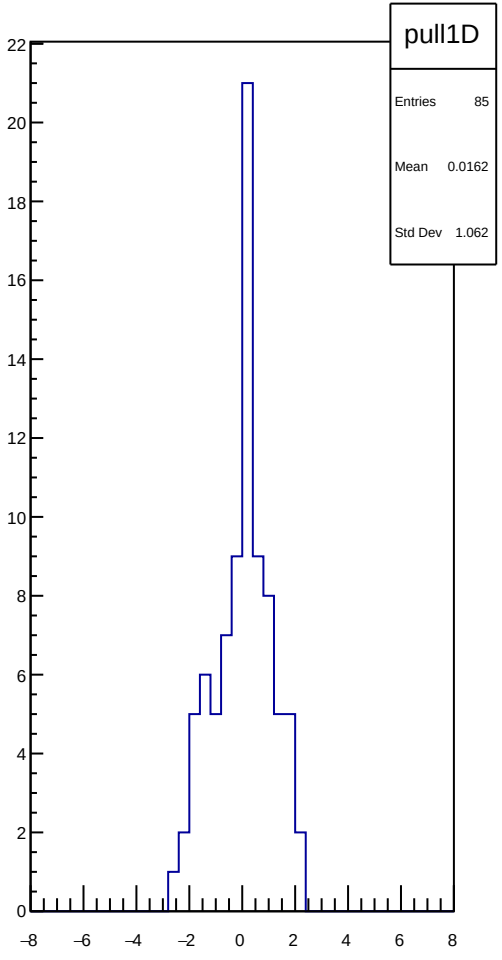

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 93.24 / 84
p0 −0.0922 ± 0.1258
pull
Entries 85
Mean −274.4
Std Dev 315.9

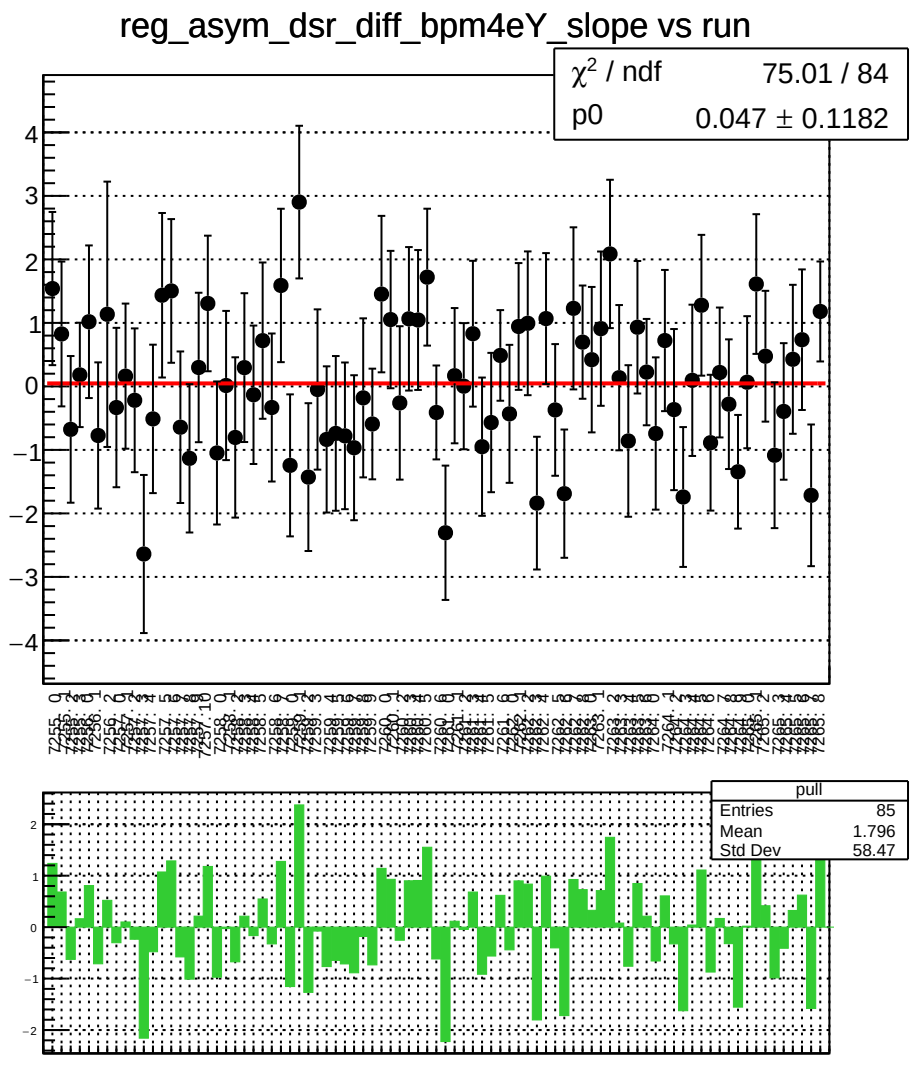

pull1D
Entries 85
Mean −0.01226
Std Dev 1.047

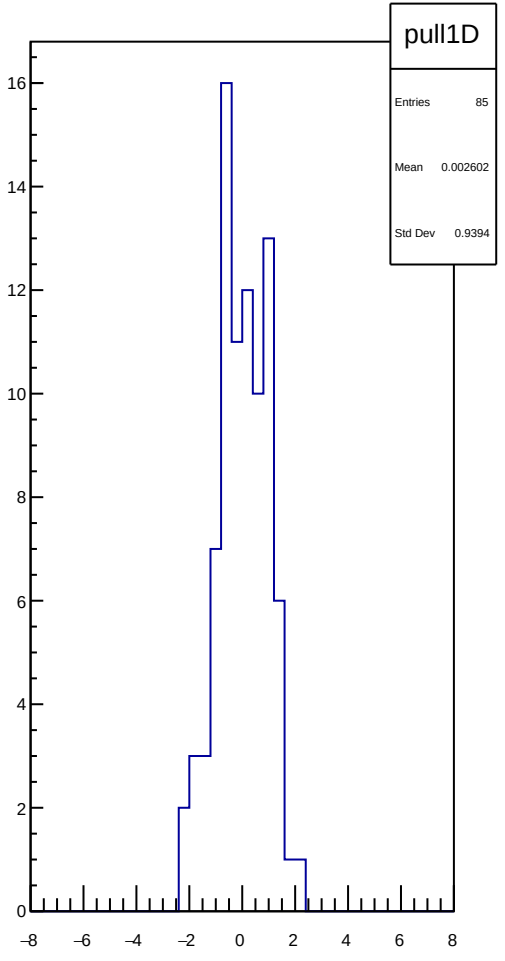

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 76.17 / 84
p0 −0.0246 ± 0.1123
pull
Entries 85
Mean −21.07
Std Dev 93.46

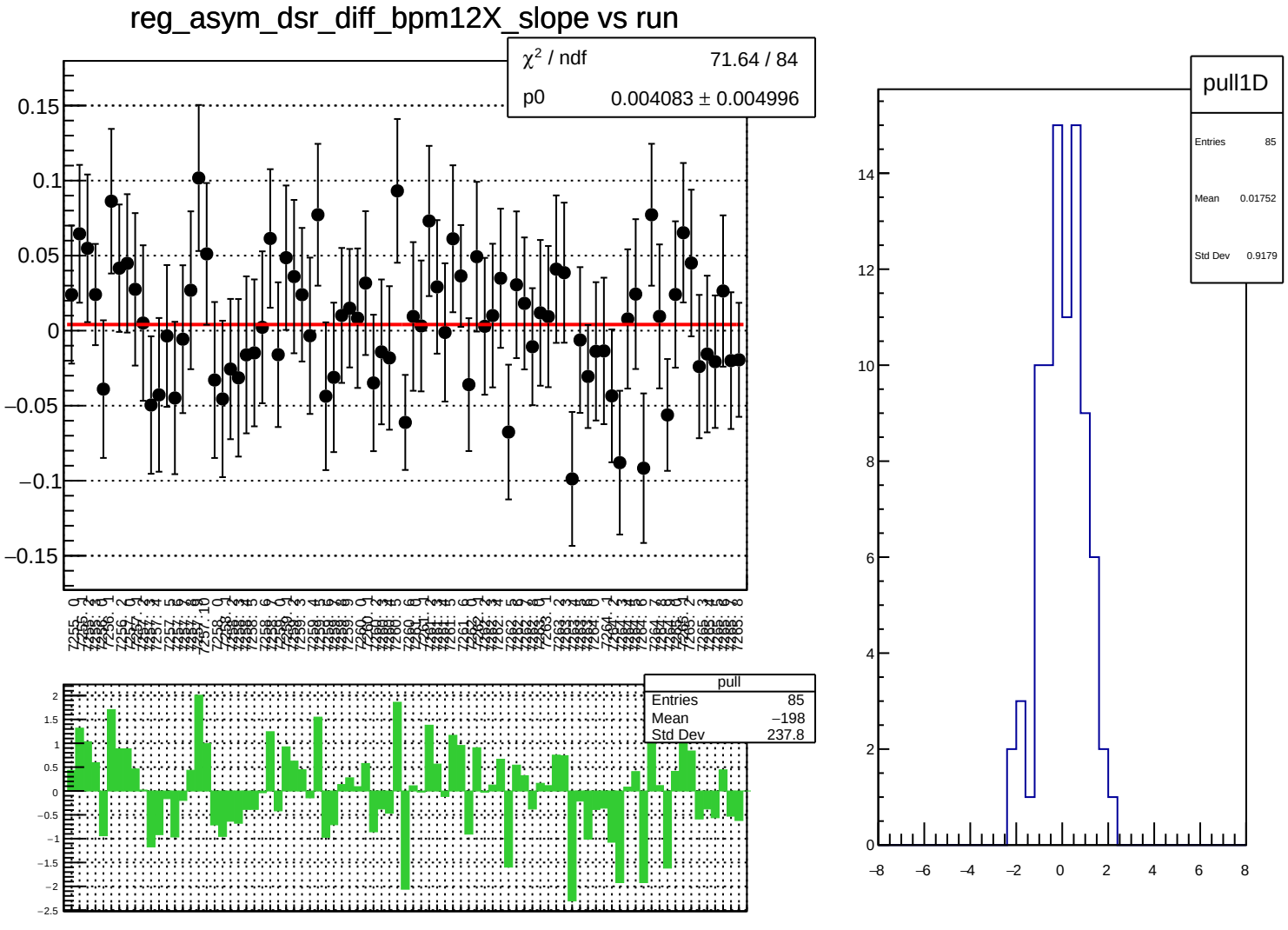

pull1D
Entries 85
Mean −0.002786
Std Dev 0.9467

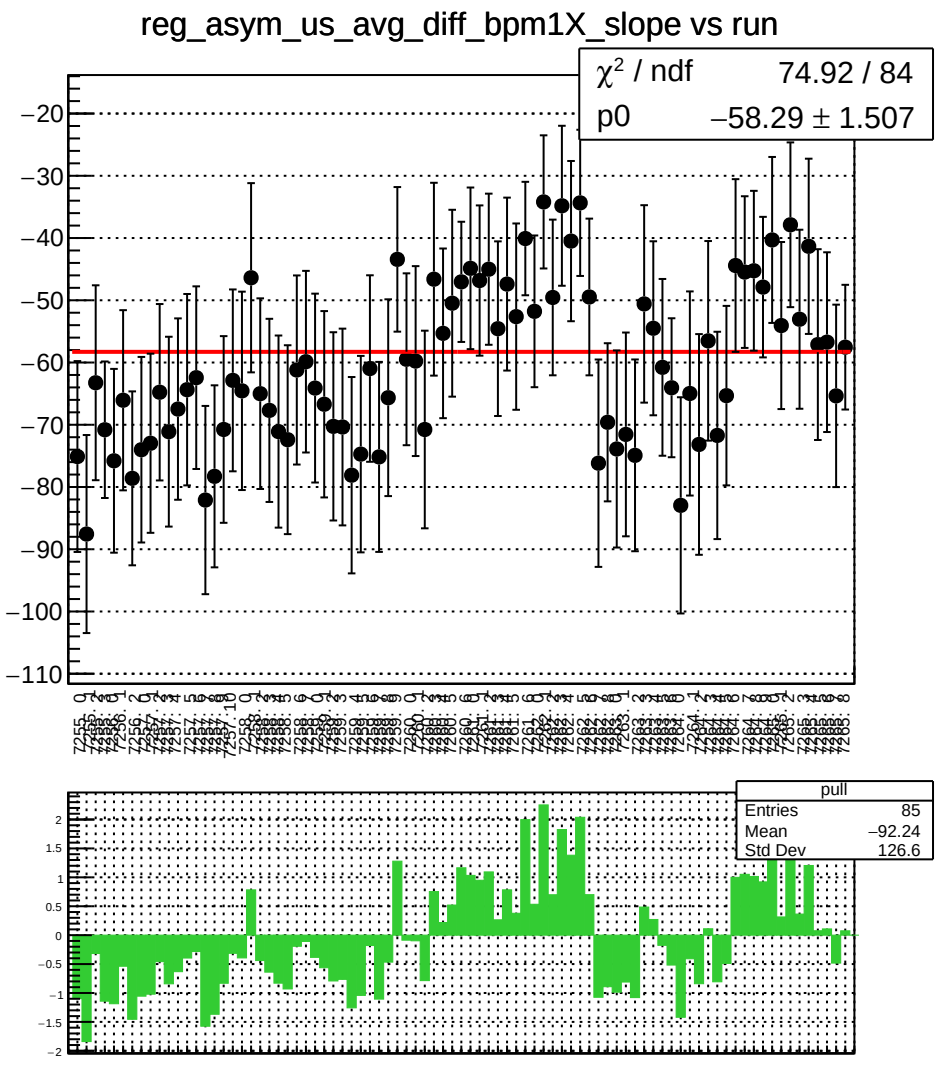

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 95.9 / 84
p0 0.04269 ± 0.1364
pull
Entries 85
Mean −224.3
Std Dev 267.3

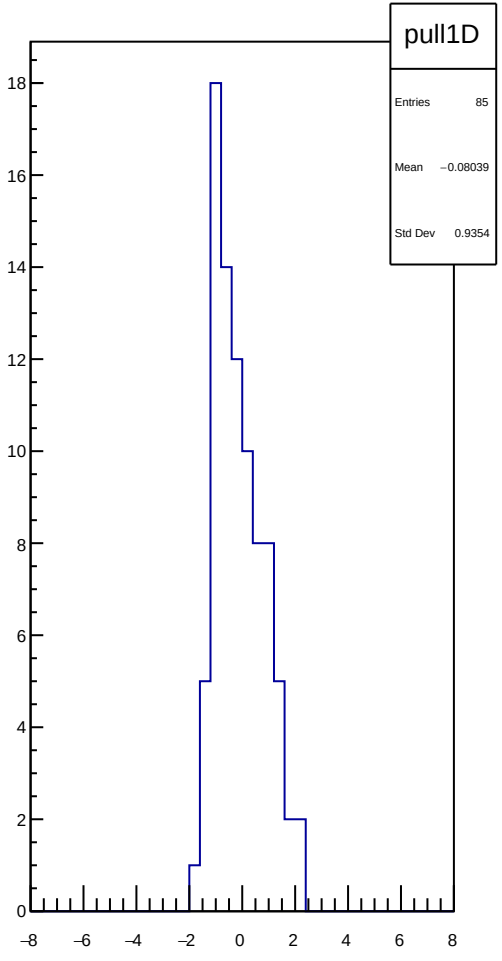

pull1D
Entries 85
Mean 0.0162
Std Dev 1.062

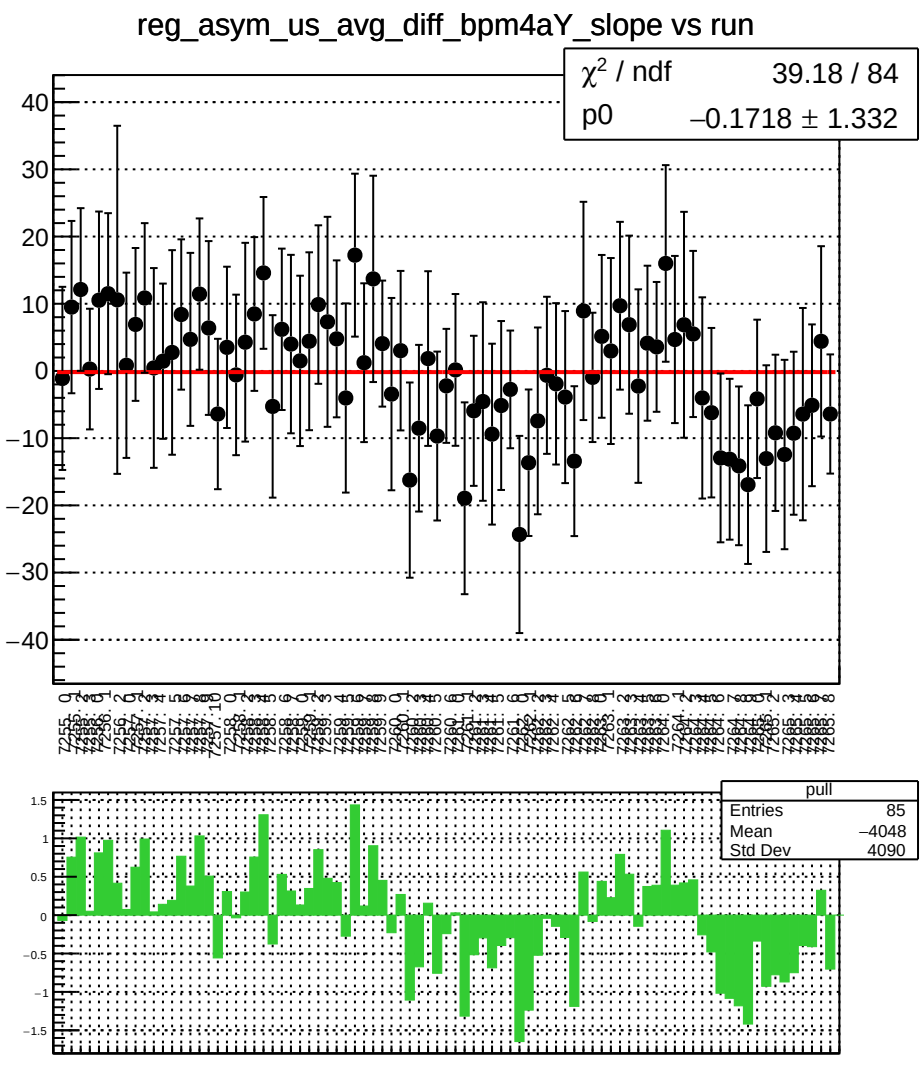

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 75.01 / 84
p0 0.047 ± 0.1182
pull
Entries 85
Mean 1.796
Std Dev 58.47

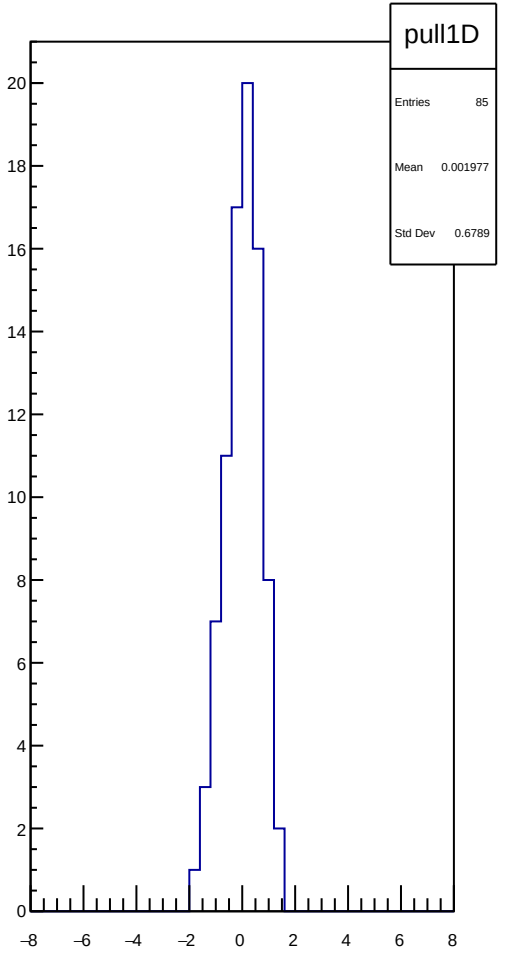

pull1D
Entries 85
Mean 0.002602
Std Dev 0.9394

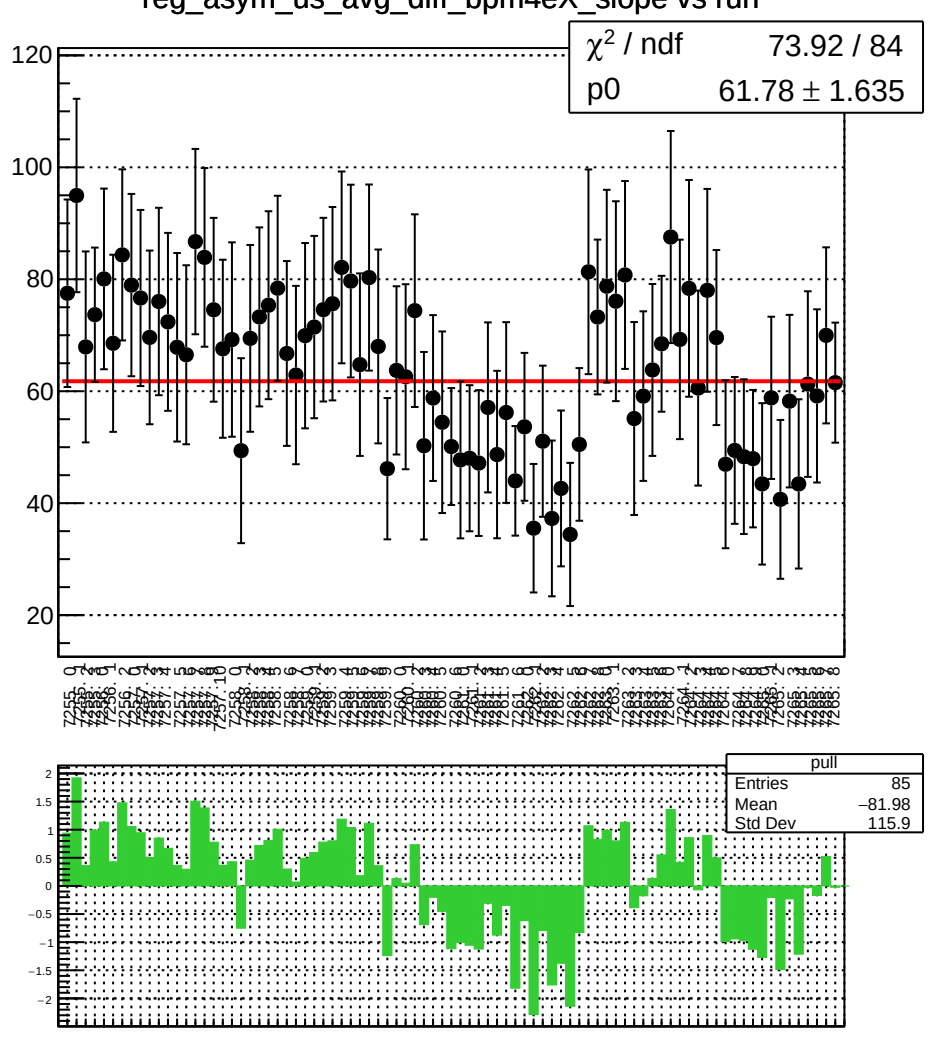

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 71.64 / 84
p0 0.004083 ± 0.004996
pull
Entries 85
Mean −198
Std Dev 237.8
pull1D
Entries 85
Mean 0.01752
Std Dev 0.9179

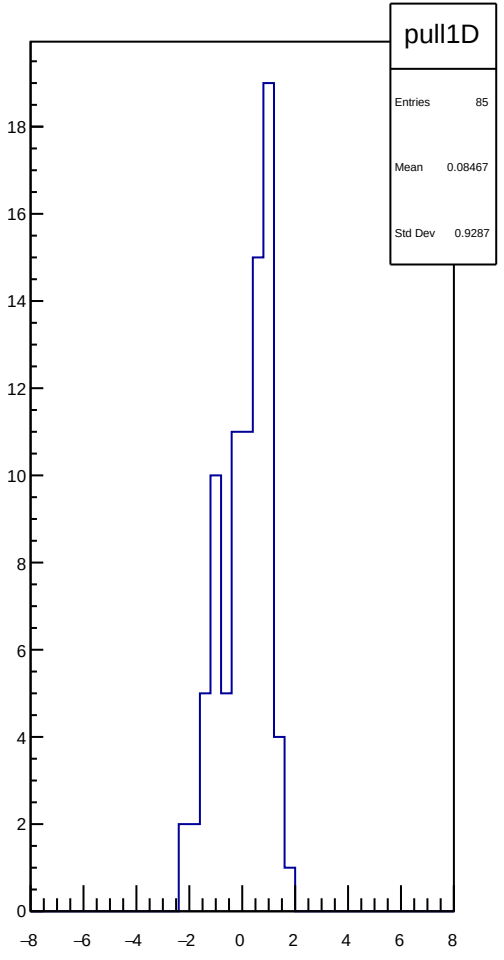

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 74.92 / 84
p0 −58.29 ± 1.507
pull
Entries 85
Mean −92.24
Std Dev 126.6

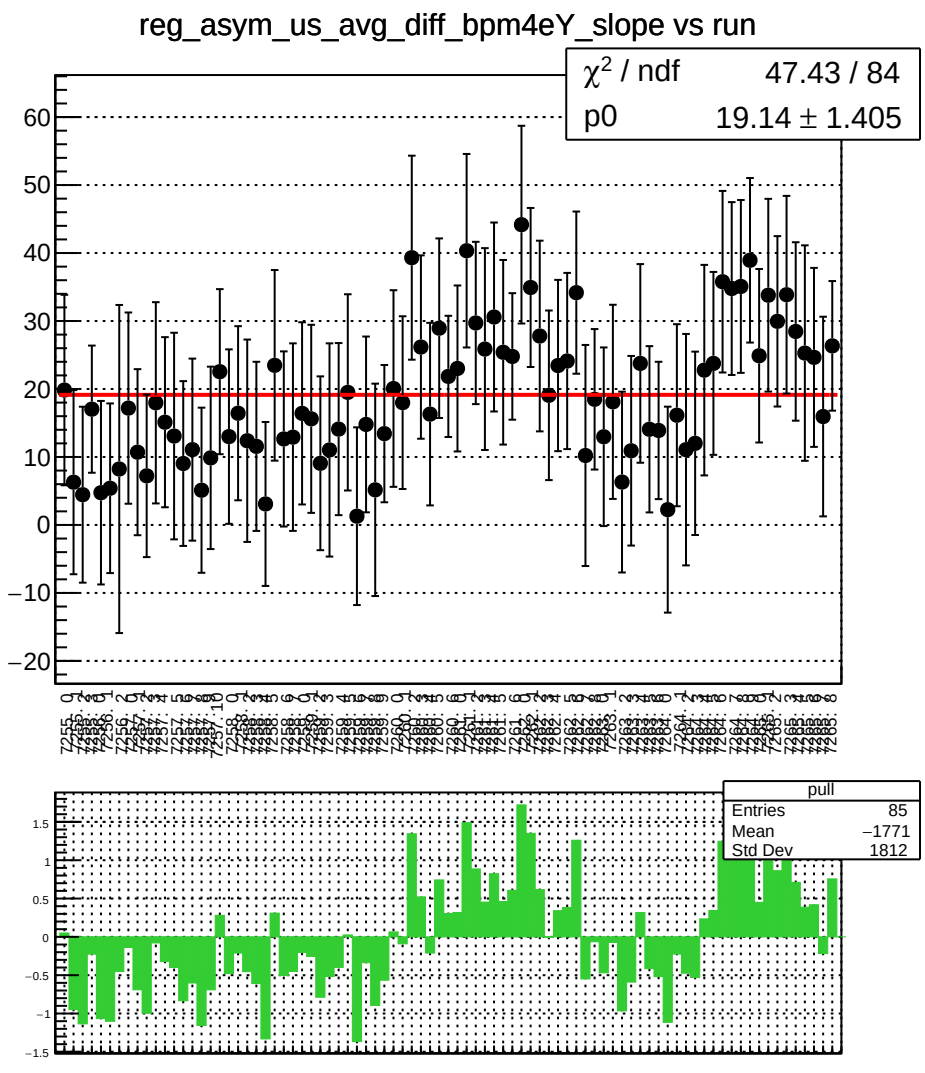

pull1D
Entries 85
Mean −0.08039
Std Dev 0.9354

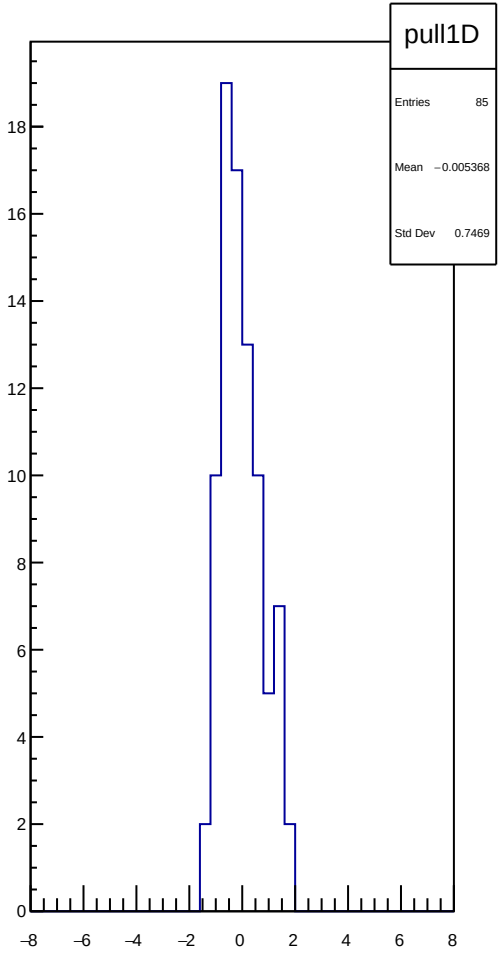

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.18 / 84
p0 −0.1718 ± 1.332
pull
Entries 85
Mean −4048
Std Dev 4090

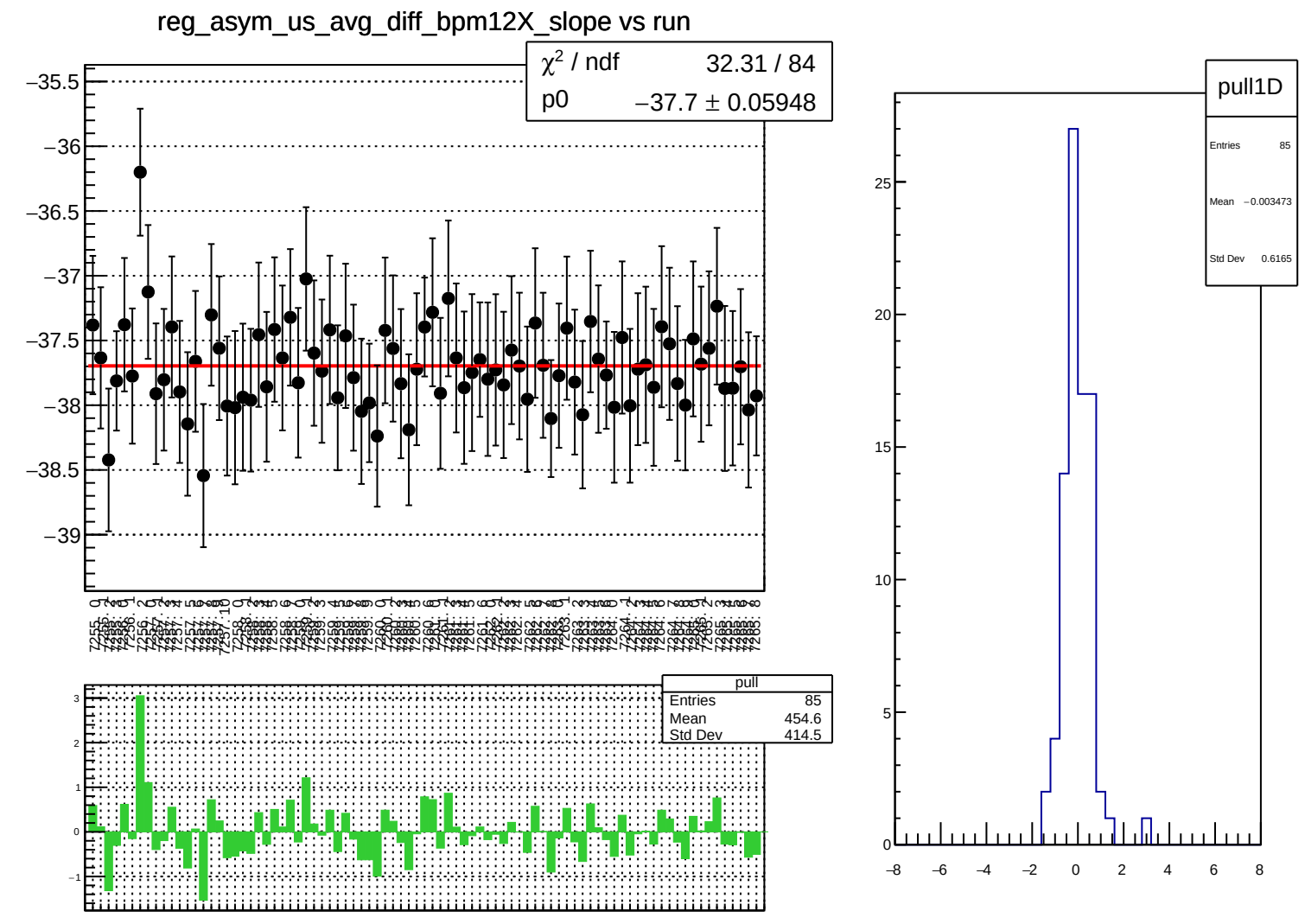

pull1D
Entries 85
Mean 0.001977
Std Dev 0.6789

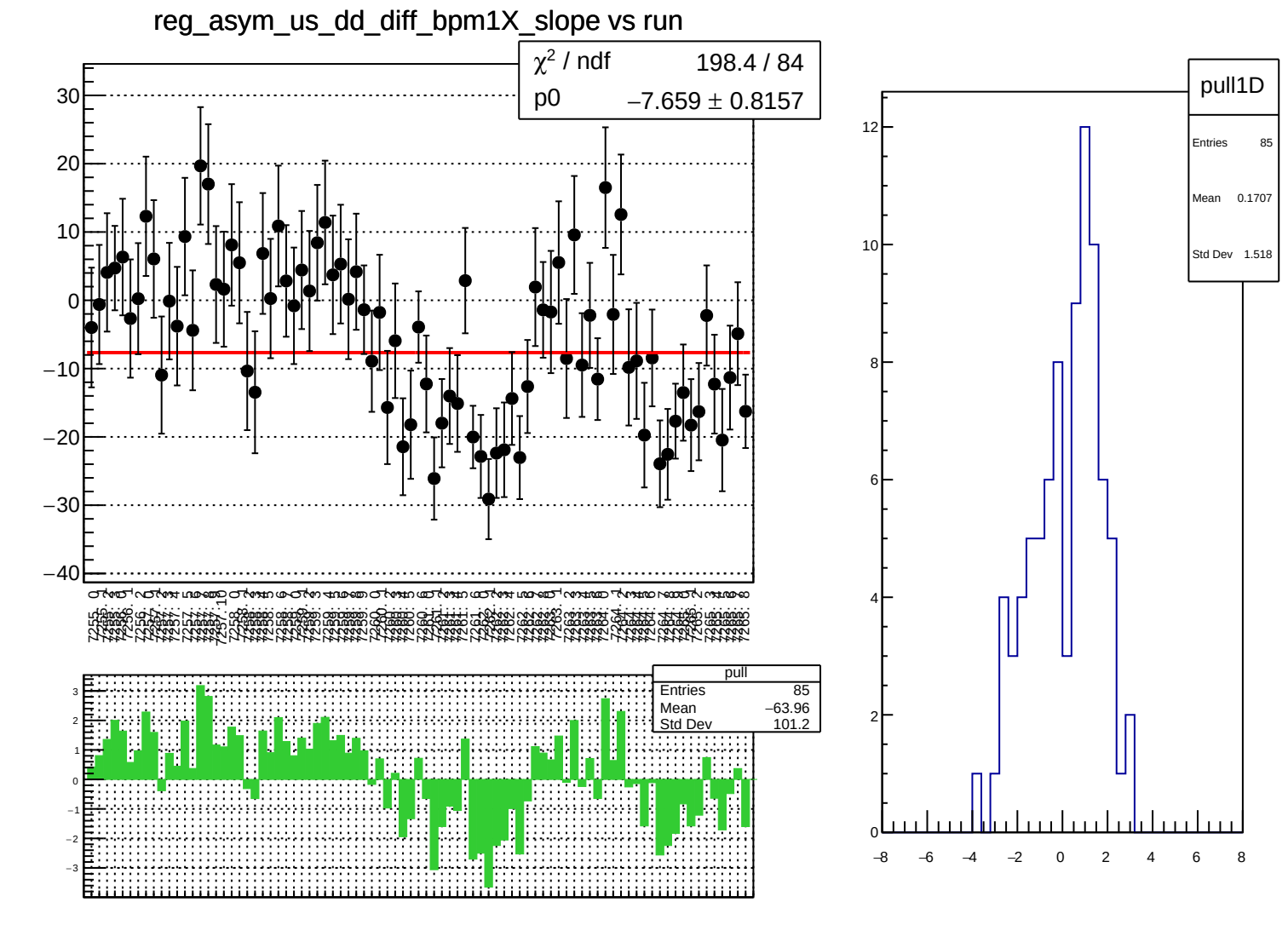

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 73.92 / 84
p0 61.78 ± 1.635
pull
Entries 85
Mean −81.98
Std Dev 115.9

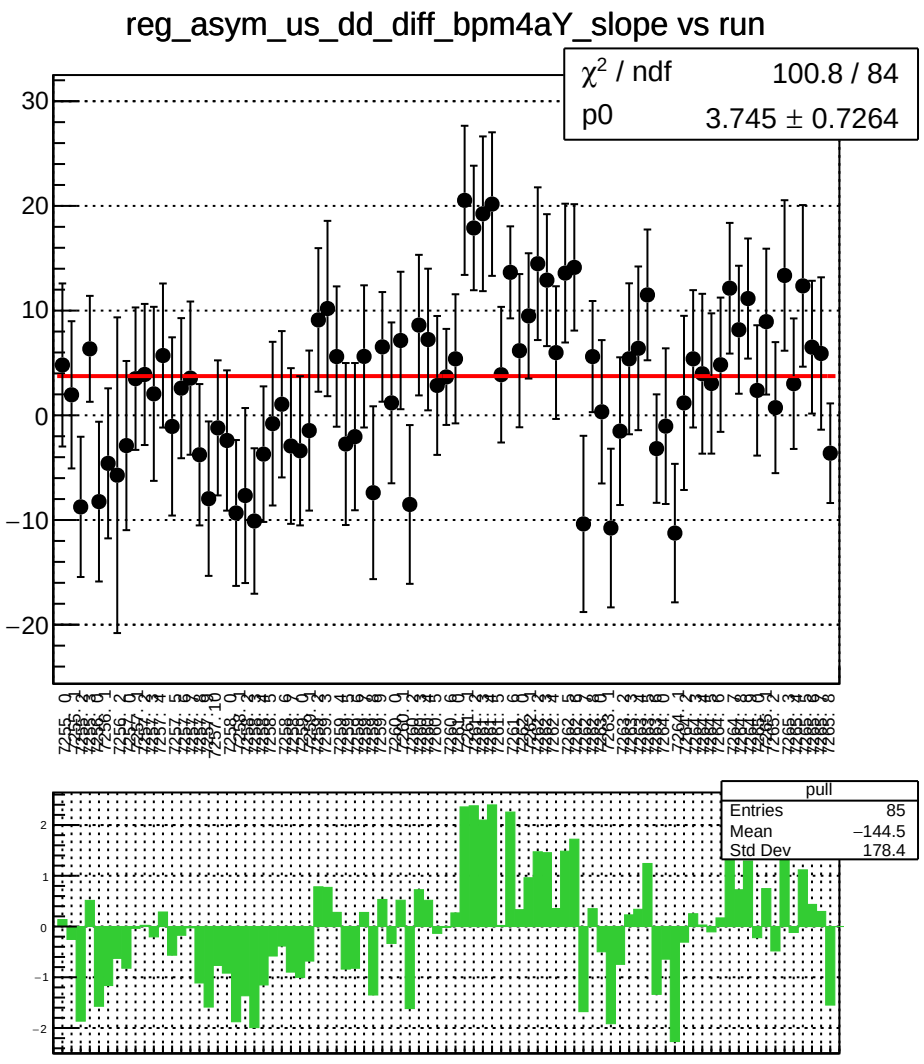

pull1D
Entries 85
Mean 0.08467
Std Dev 0.9287

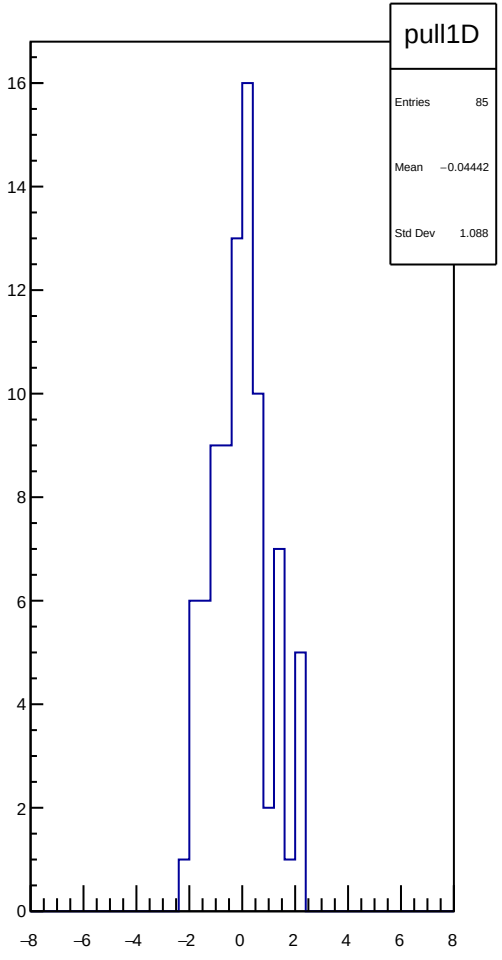

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.43 / 84
p0 19.14 ± 1.405
pull
Entries 85
Mean −1771
Std Dev 1812

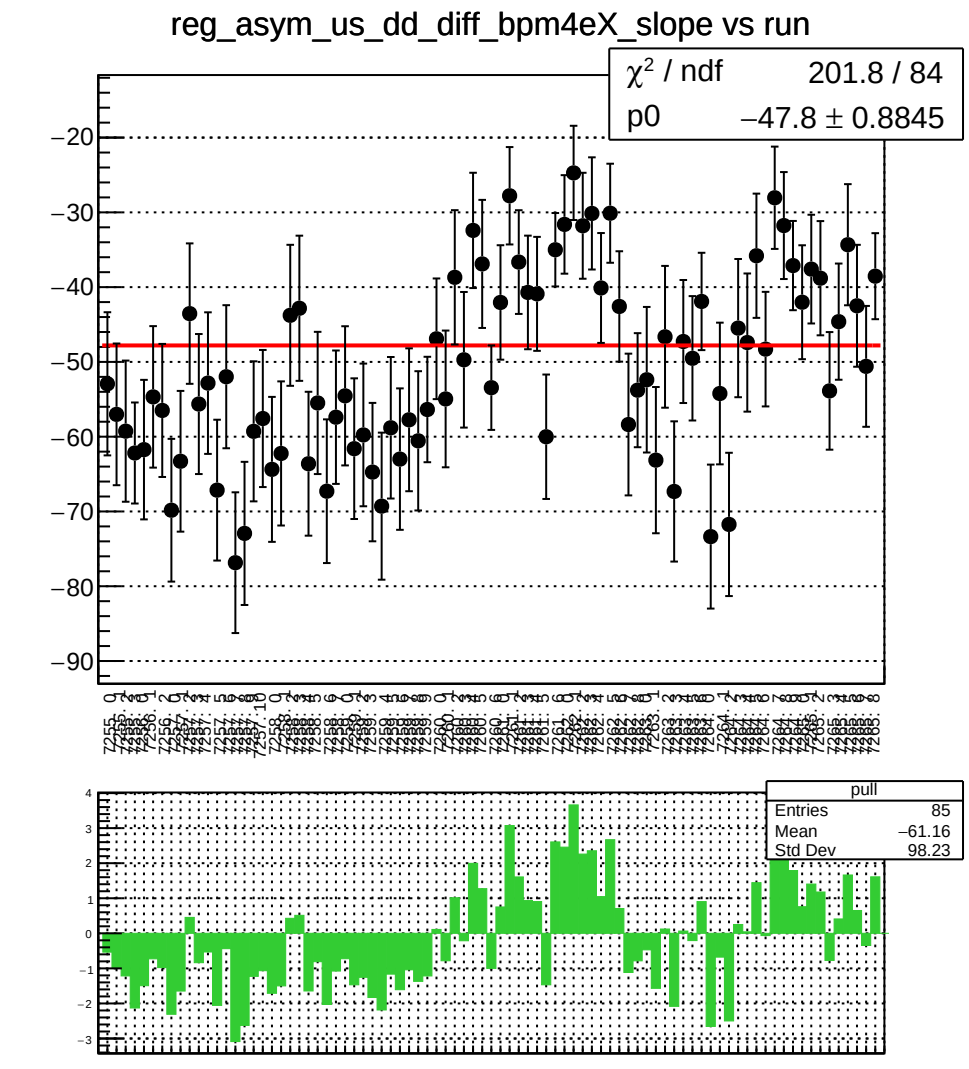

pull1D
Entries 85
Mean −0.005368
Std Dev 0.7469

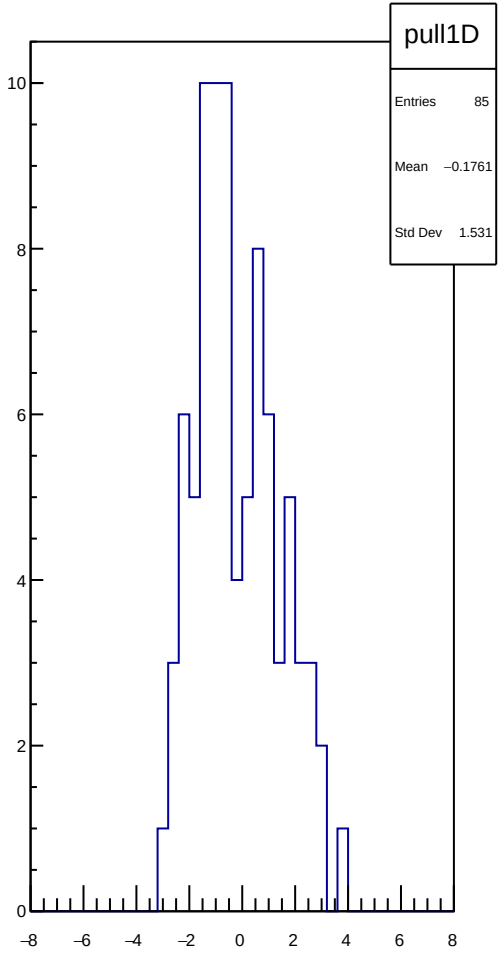

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 32.31 / 84
p0 −37.7 ± 0.05948
pull
Entries 85
Mean 454.6
Std Dev 414.5
pull1D
Entries 85
Mean −0.003473
Std Dev 0.6165

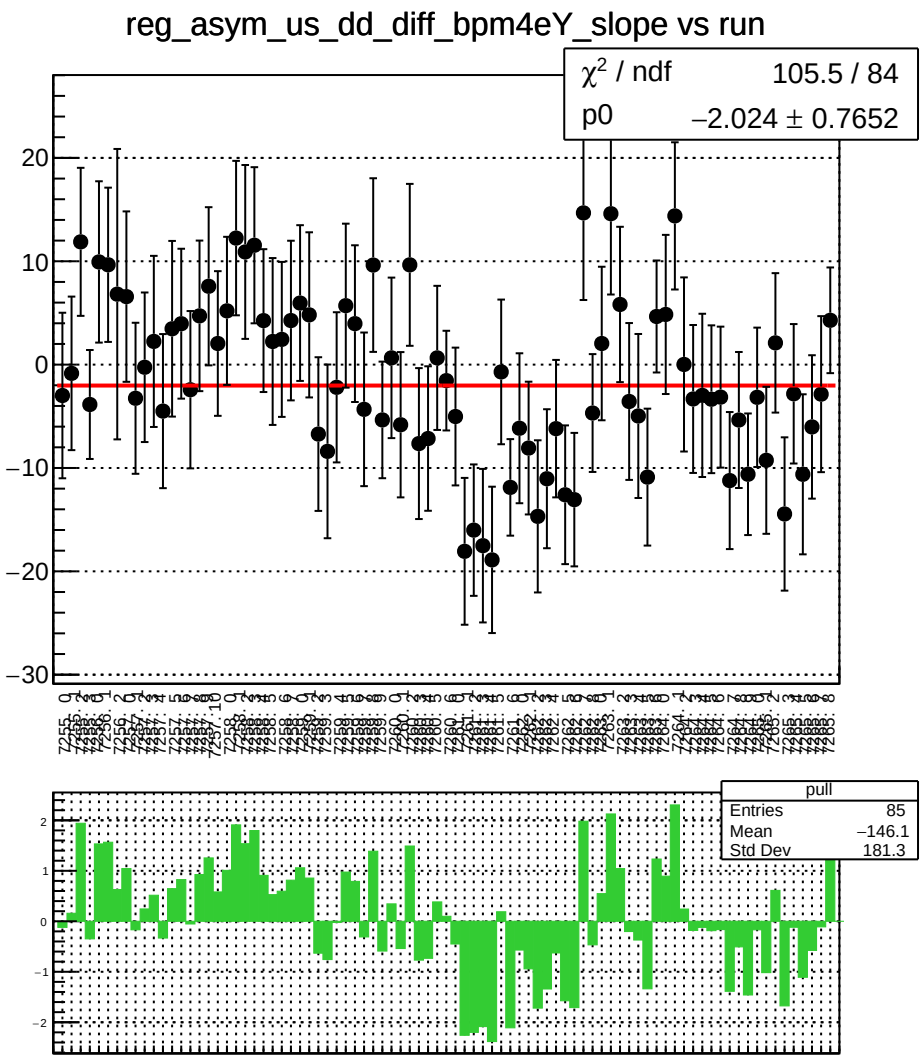

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 198.4 / 84
p0 −7.659 ± 0.8157
pull
Entries 85
Mean −63.96
Std Dev 101.2
pull1D
Entries 85
Mean 0.1707
Std Dev 1.518

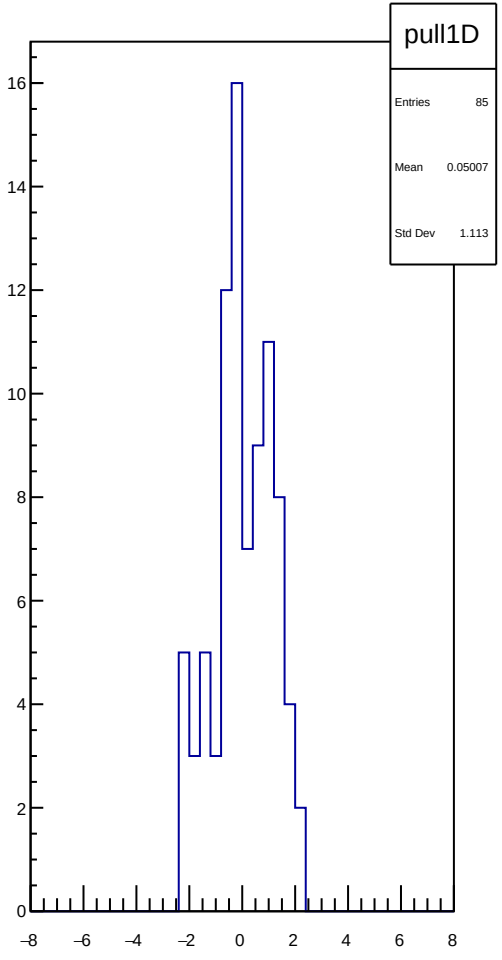

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 100.8 / 84
p0 3.745 ± 0.7264
pull
Entries 85
Mean −144.5
Std Dev 178.4

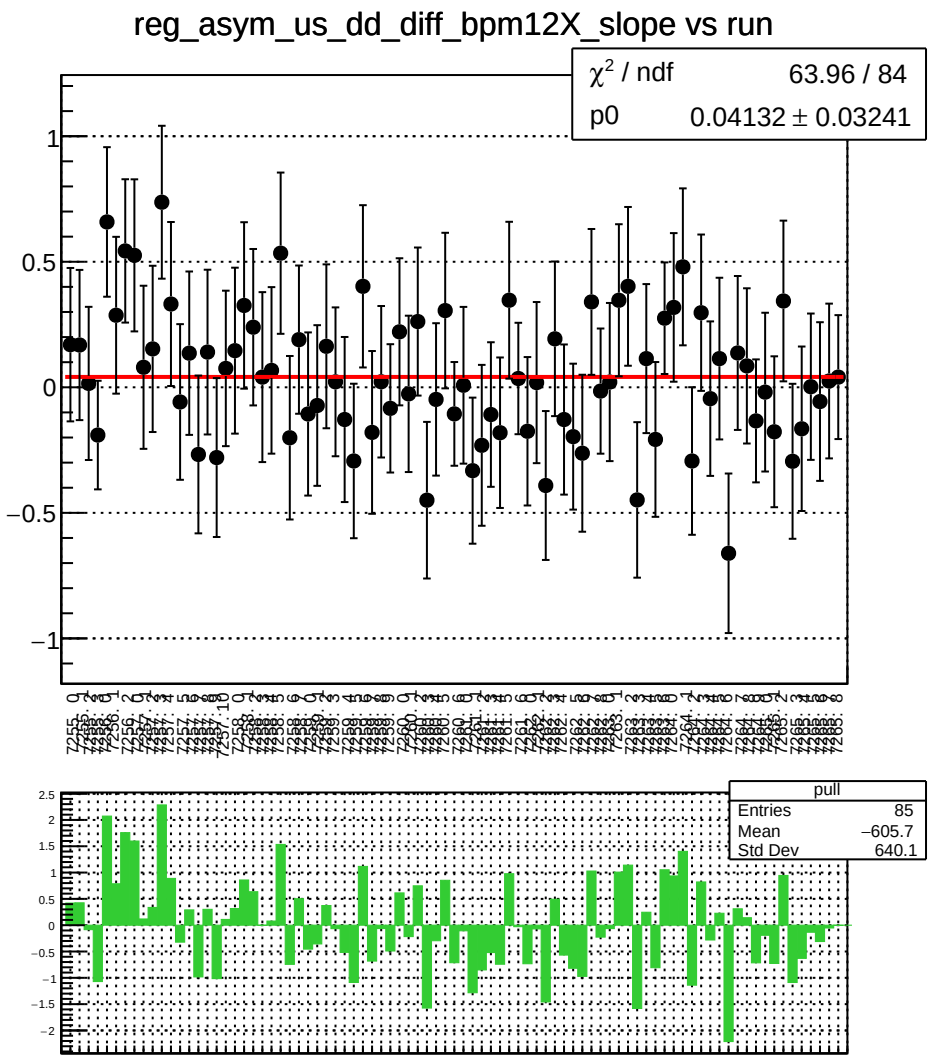

pull1D
Entries 85
Mean −0.04442
Std Dev 1.088

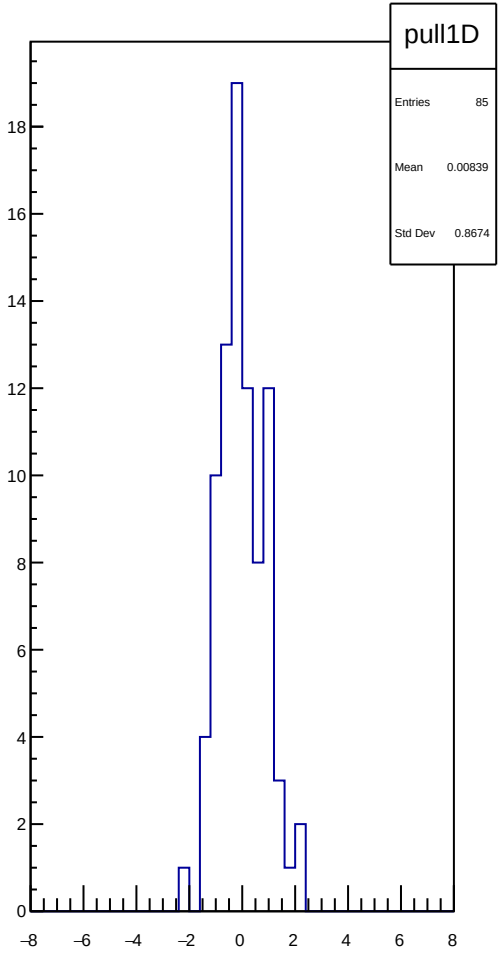

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 201.8 / 84
p0 −47.8 ± 0.8845
pull
Entries 85
Mean −61.16
Std Dev 98.23

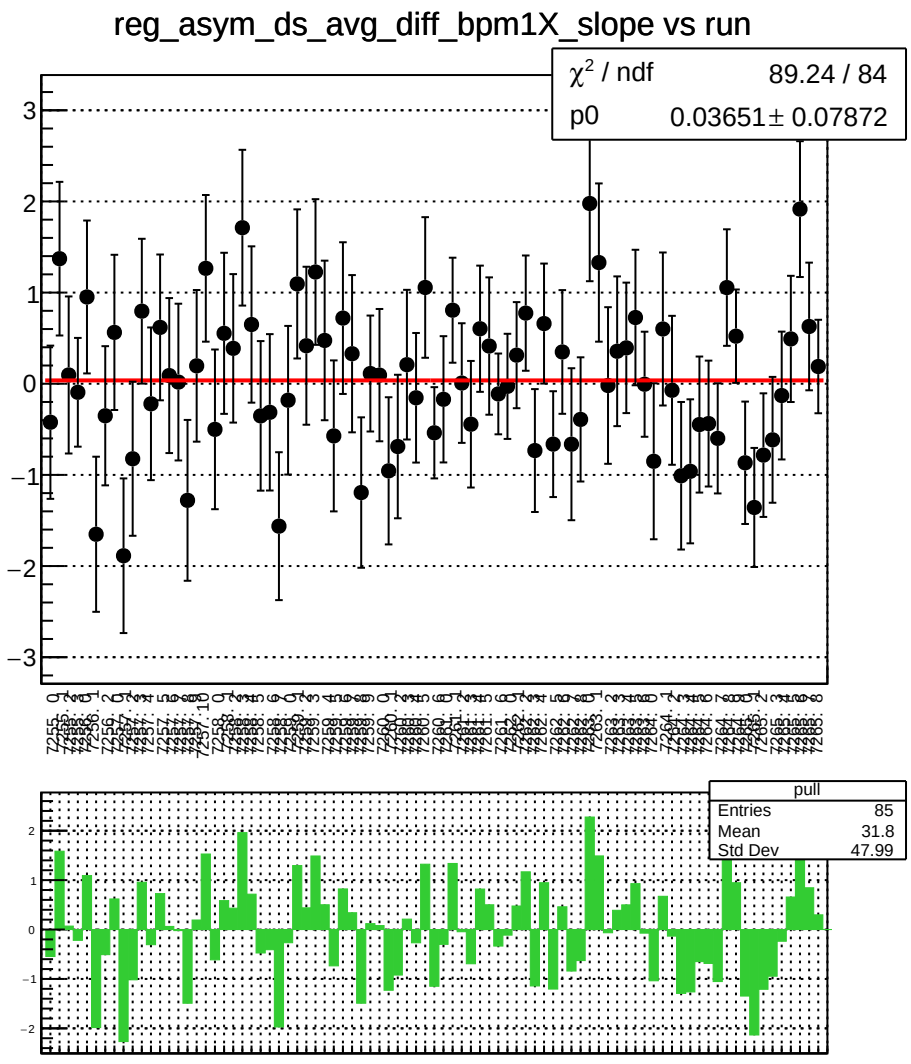

pull1D
Entries 85
Mean −0.1761
Std Dev 1.531

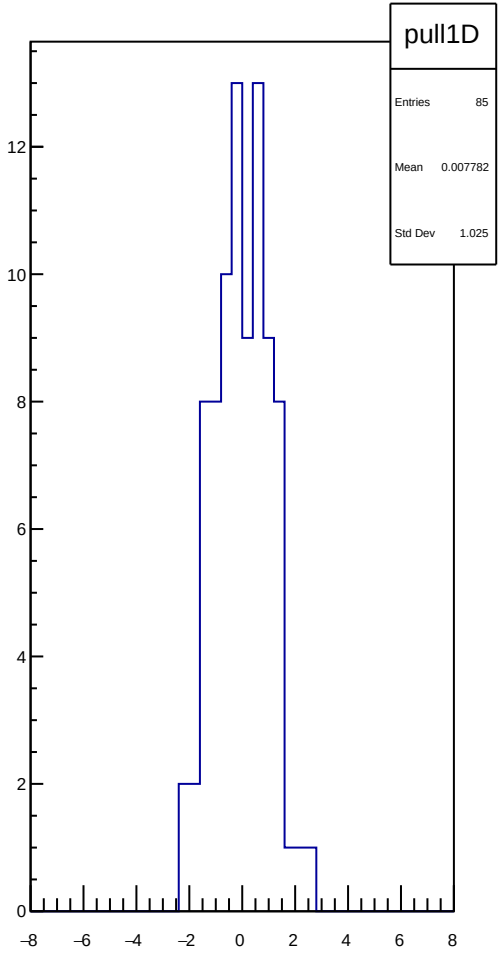

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 105.5 / 84
p0 −2.024 ± 0.7652
pull
Entries 85
Mean −146.1
Std Dev 181.3

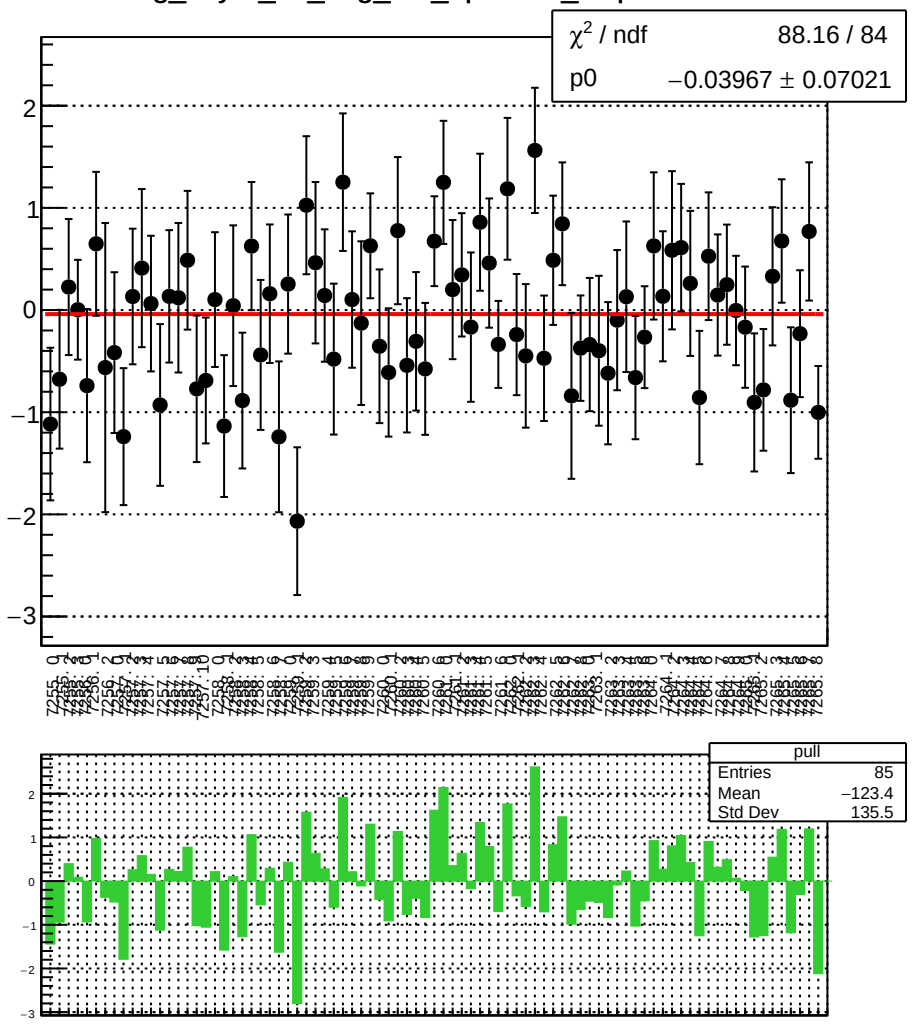

pull1D
Entries 85
Mean 0.05007
Std Dev 1.113

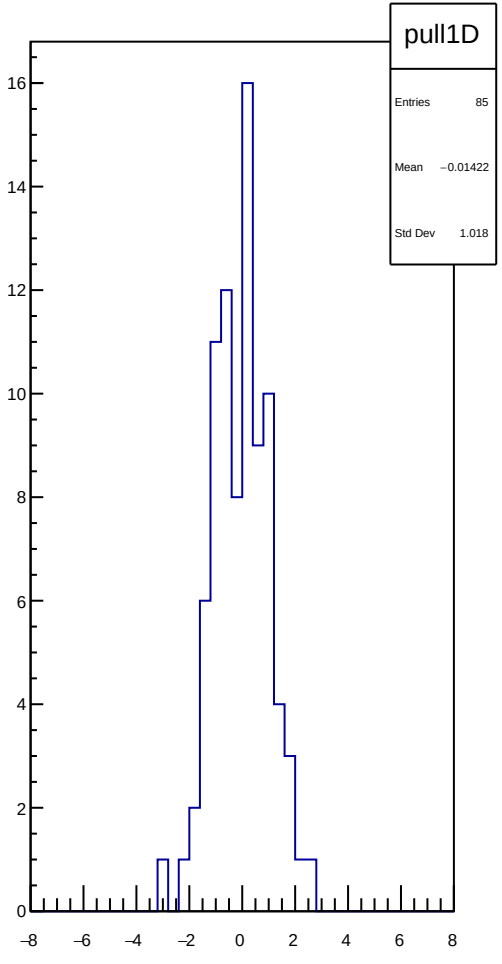

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 63.96 / 84
p0 0.04132 ± 0.03241
pull
Entries 85
Mean −605.7
Std Dev 640.1

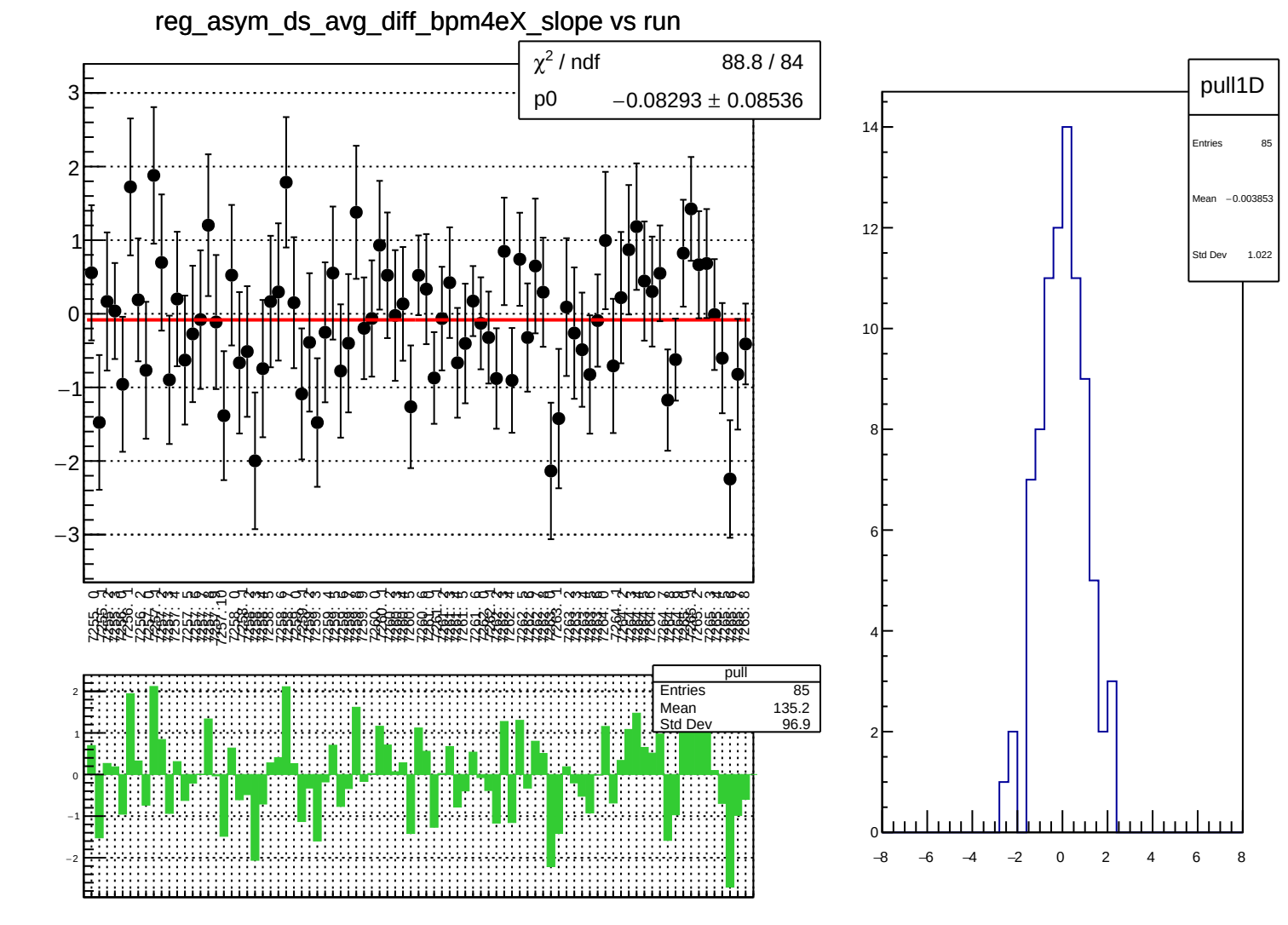

pull1D
Entries 85
Mean 0.00839
Std Dev 0.8674

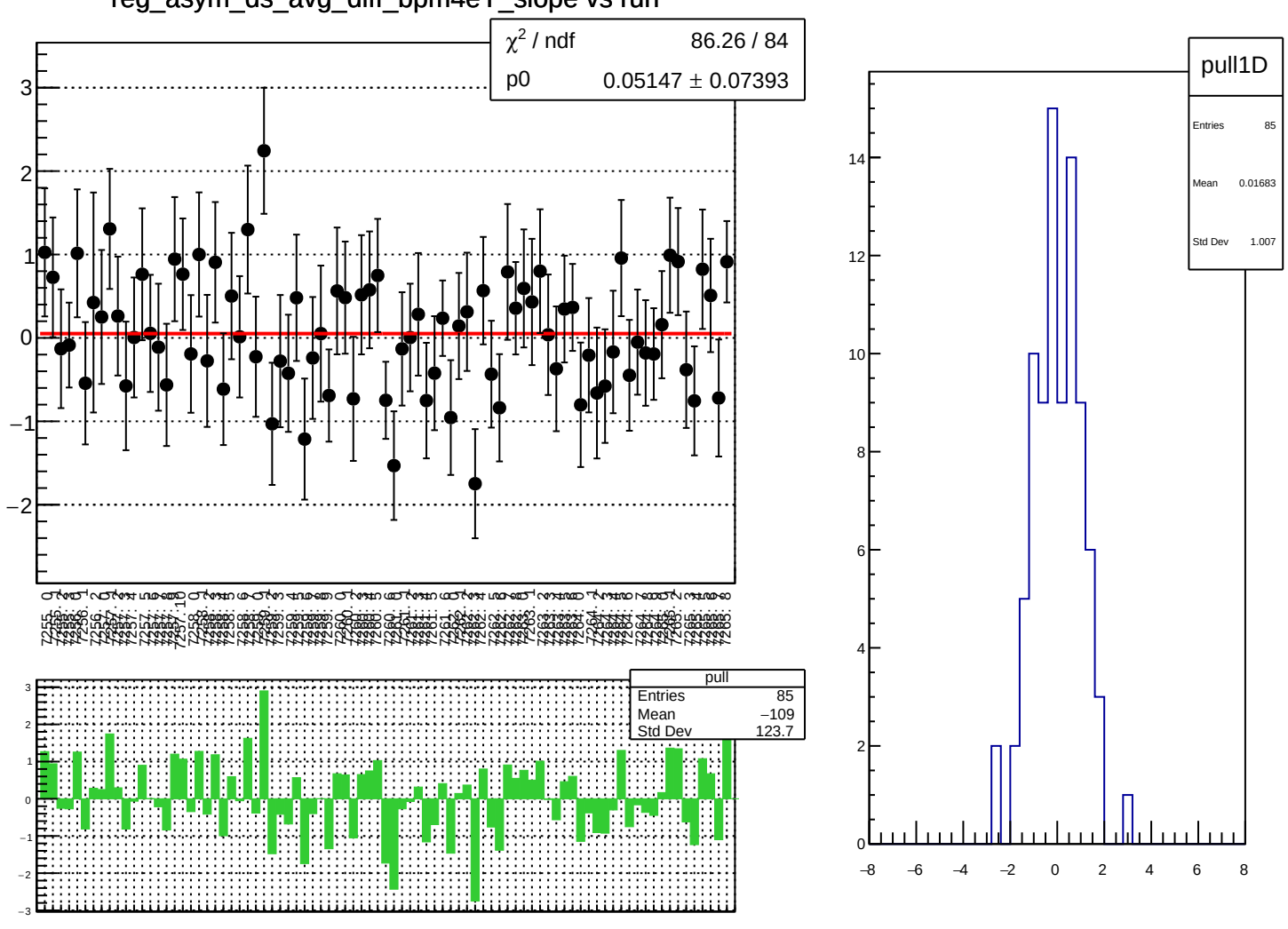

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 89.24 / 84
p0 0.03651 ± 0.07872
pull
Entries 85
Mean 31.8
Std Dev 47.99

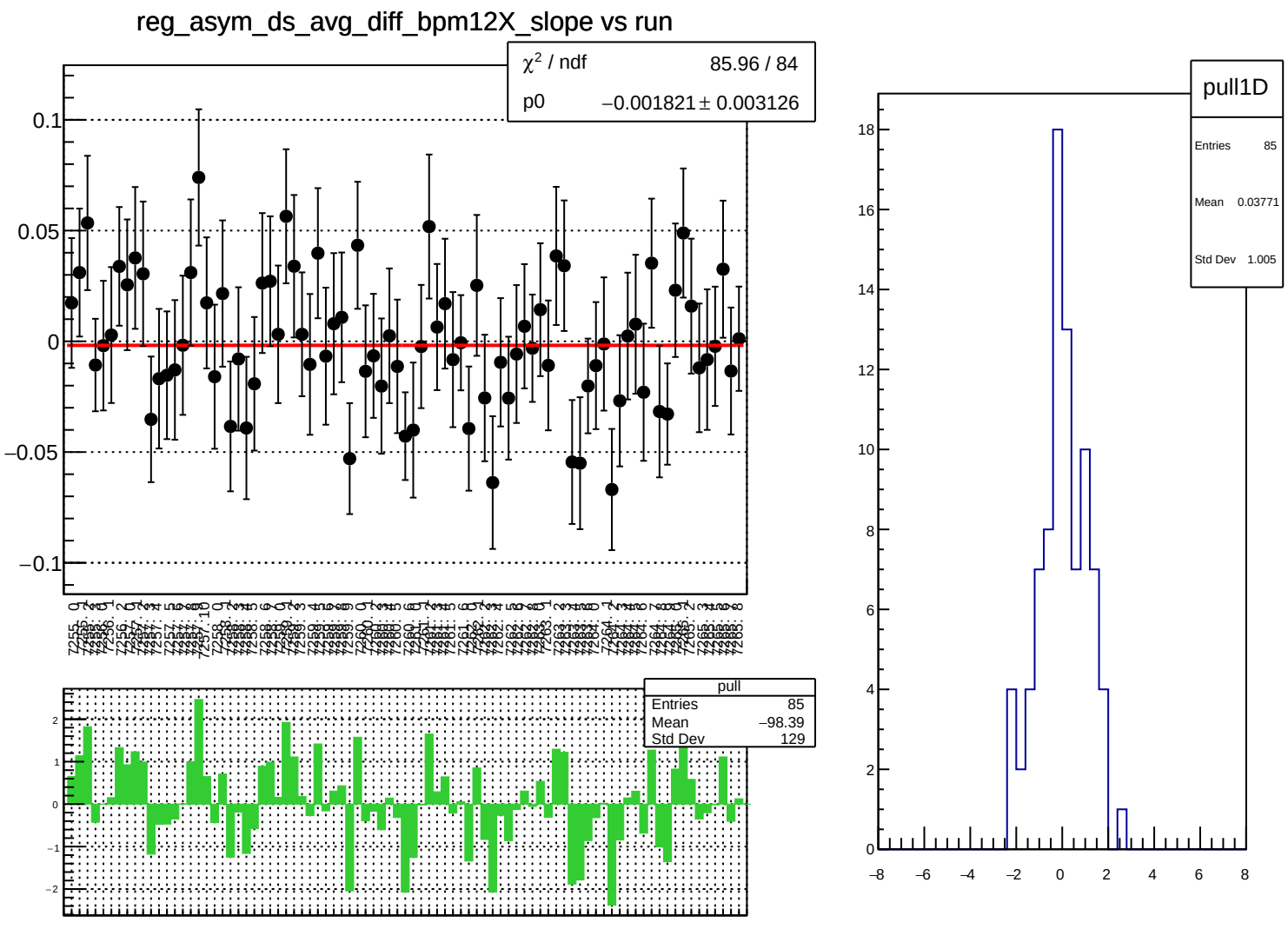

pull1D
Entries 85
Mean 0.007782
Std Dev 1.025

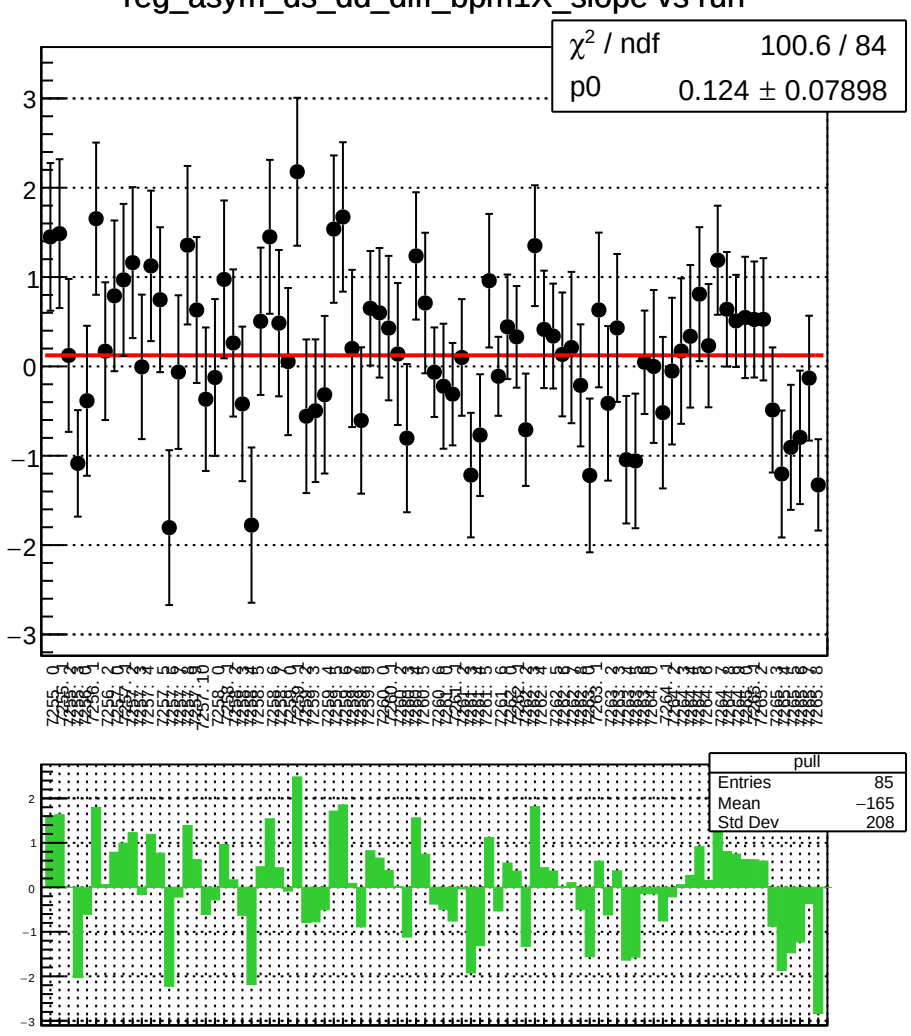

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 88.16 / 84
p0 −0.03967 ± 0.07021
pull
Entries 85
Mean −123.4
Std Dev 135.5

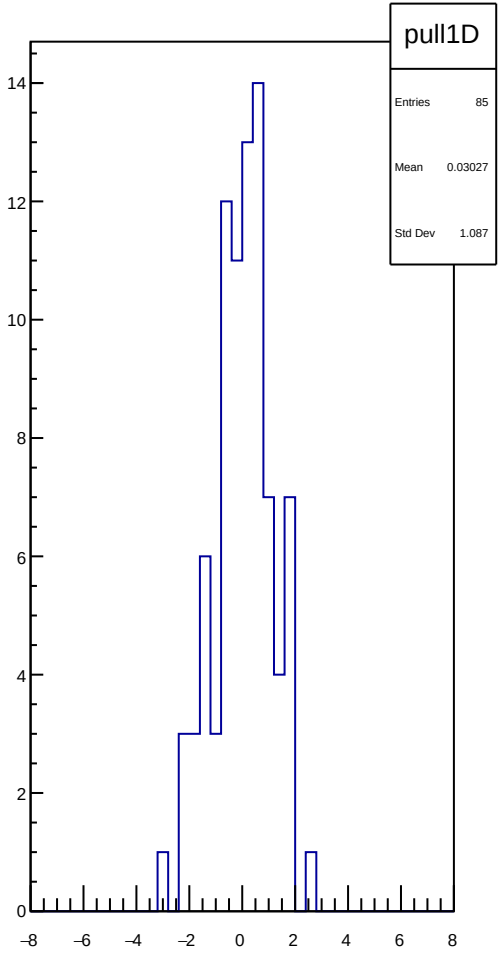

pull1D
Entries 85
Mean −0.01422
Std Dev 1.018

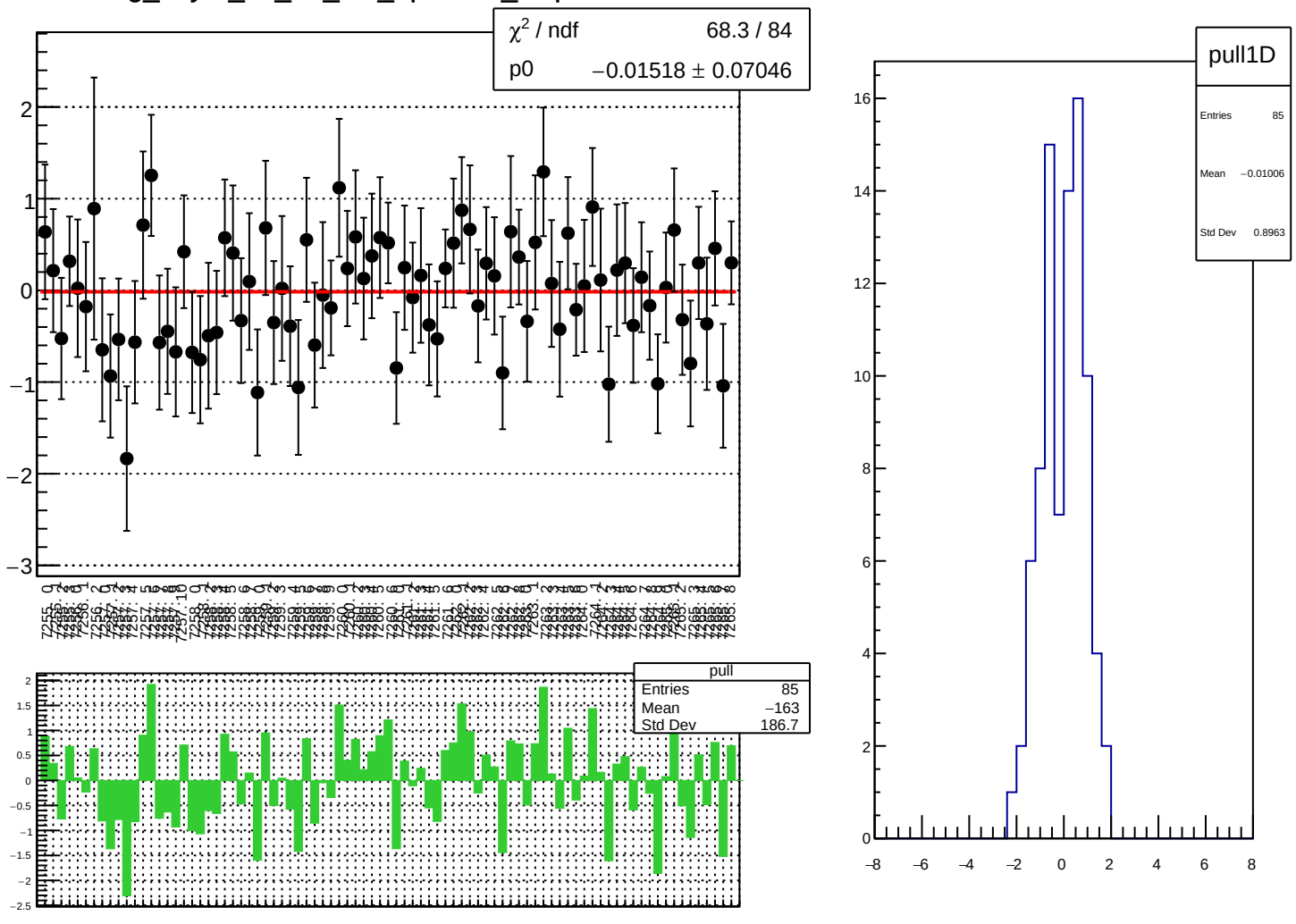

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.8 / 84
p0 −0.08293 ± 0.08536
pull
Entries 85
Mean 135.2
Std Dev 96.9
pull1D
Entries 85
Mean −0.003853
Std Dev 1.022

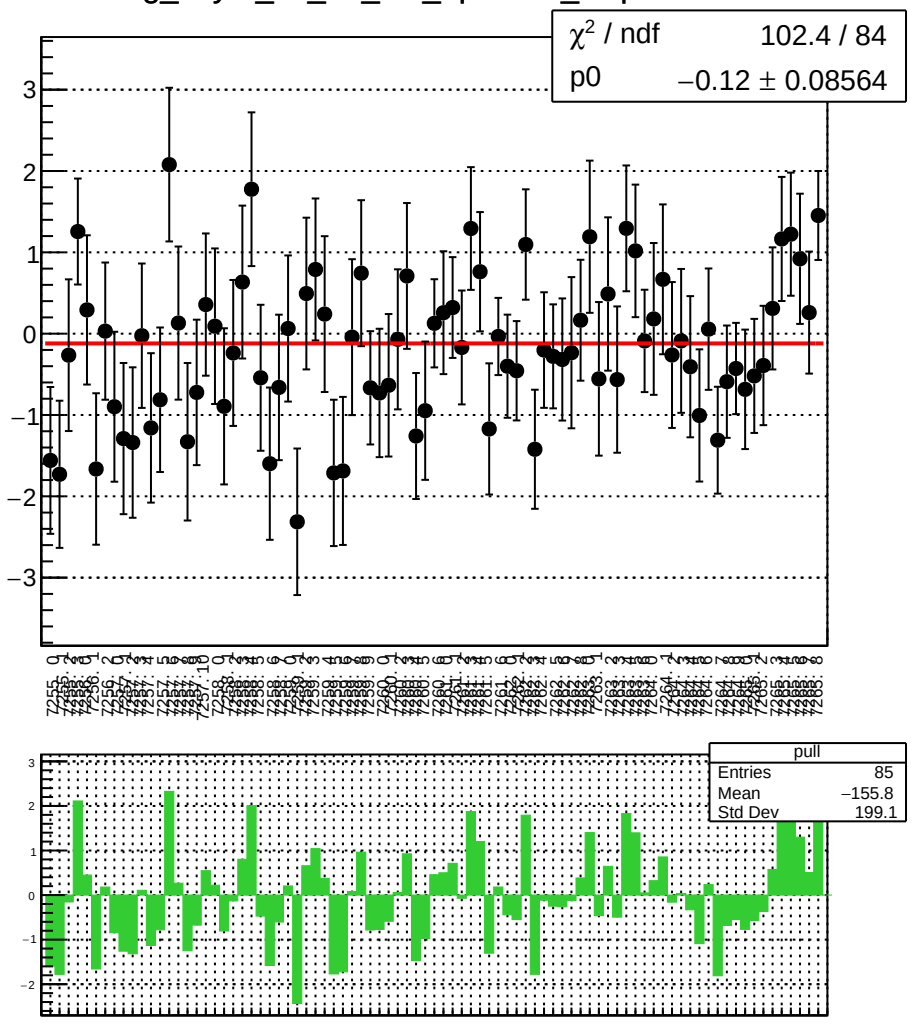

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 86.26 / 84
p0 0.05147 ± 0.07393
pull
Entries 85
Mean −109
Std Dev 123.7
pull1D
Entries 85
Mean 0.01683
Std Dev 1.007

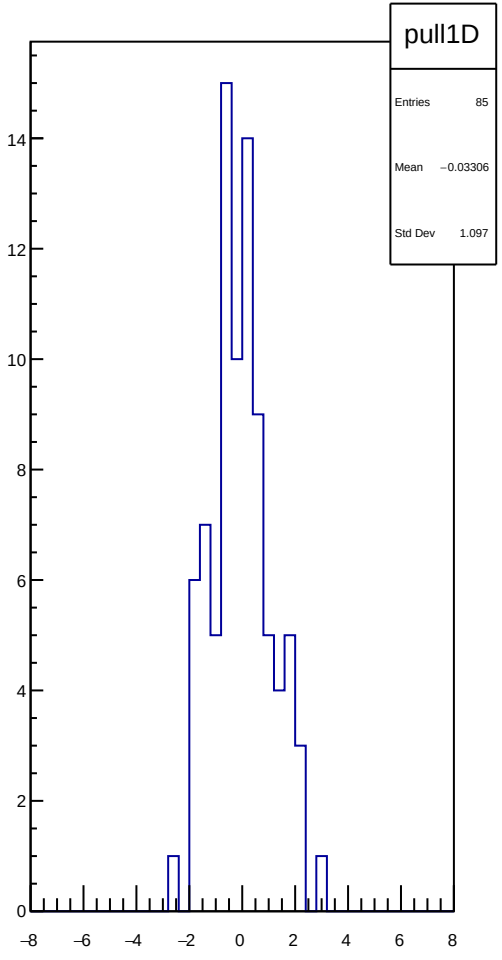

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 85.96 / 84
p0 −0.001821 ± 0.003126
0.1
0.05
0
−0.05
−0.1
pull
Entries 85
Mean −98.39
Std Dev 129
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.03771
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

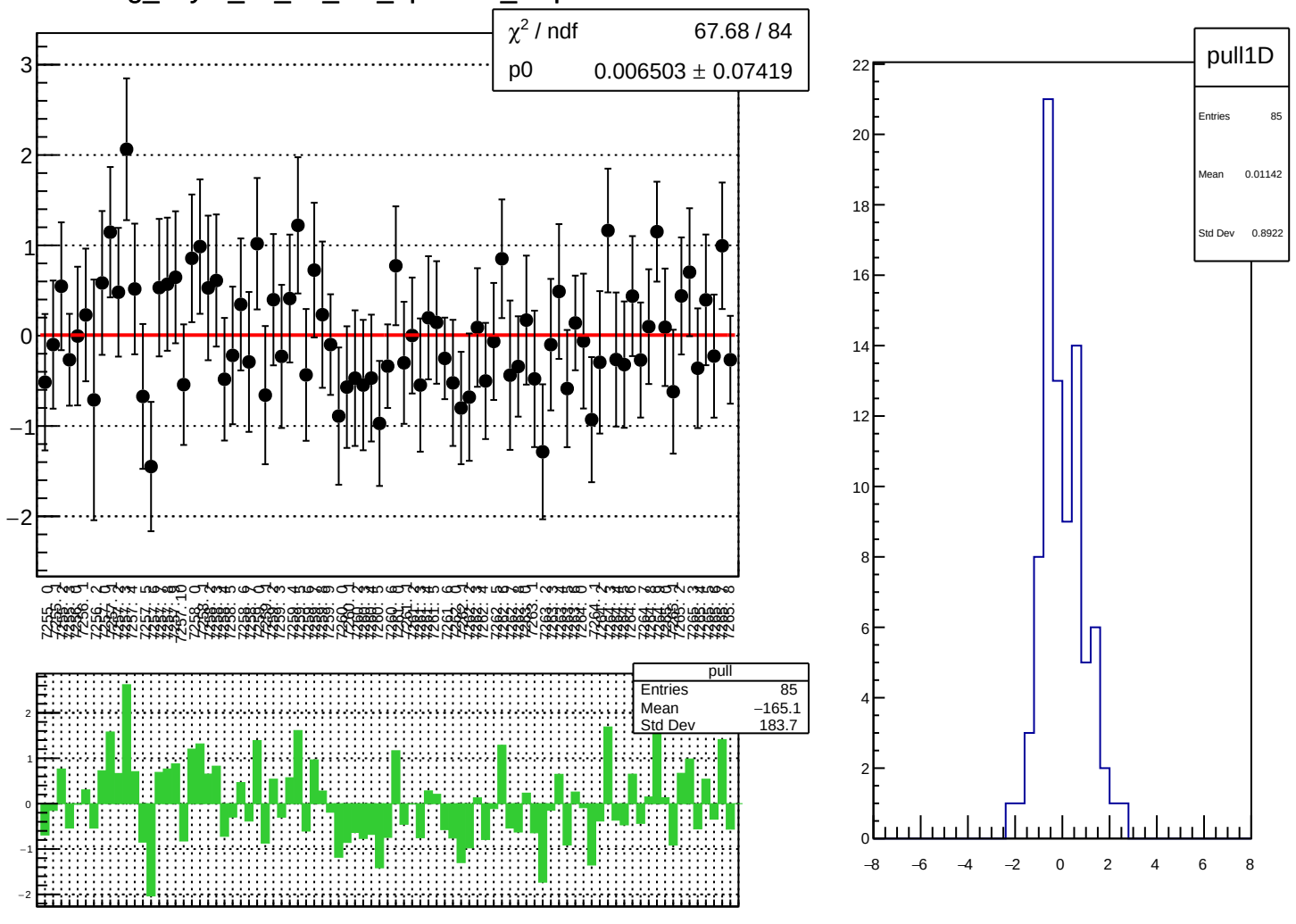

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 100.6 / 84
p0 0.124 ± 0.07898
pull
Entries 85
Mean −165
Std Dev 208

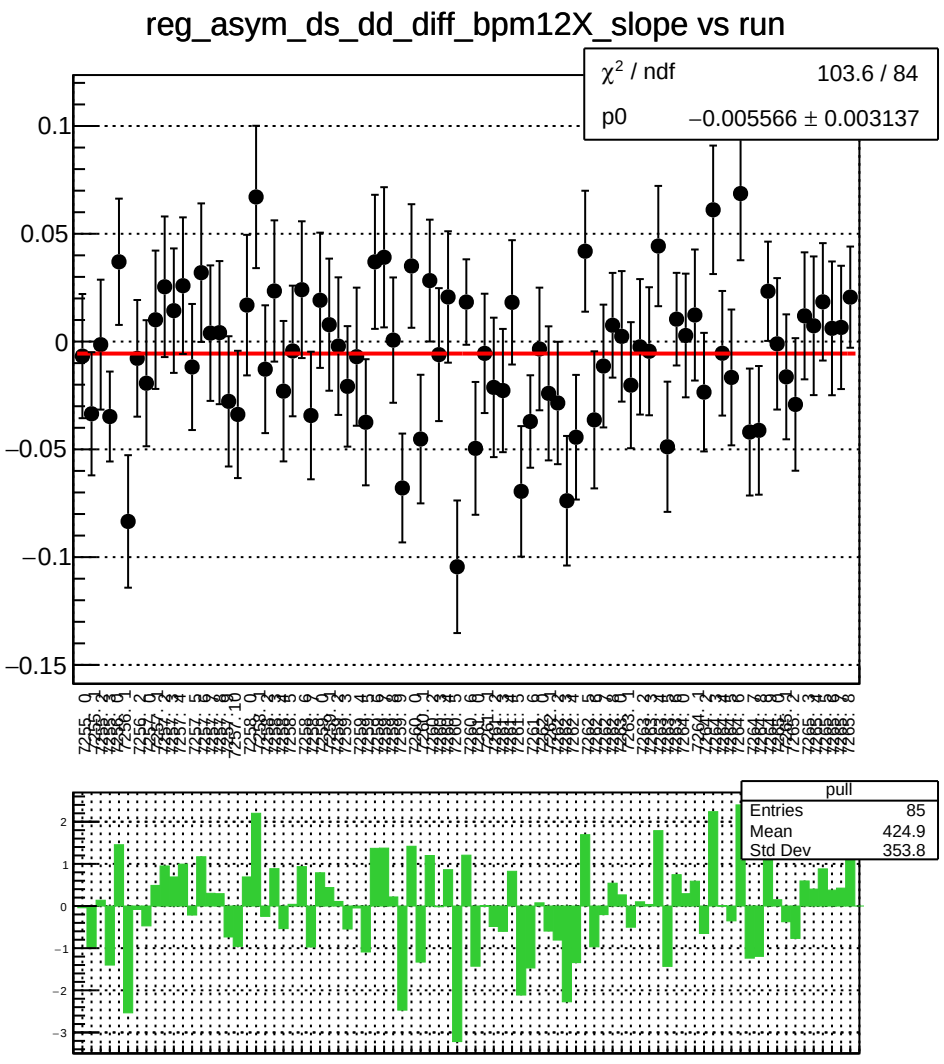

pull1D
Entries 85
Mean 0.03027
Std Dev 1.087

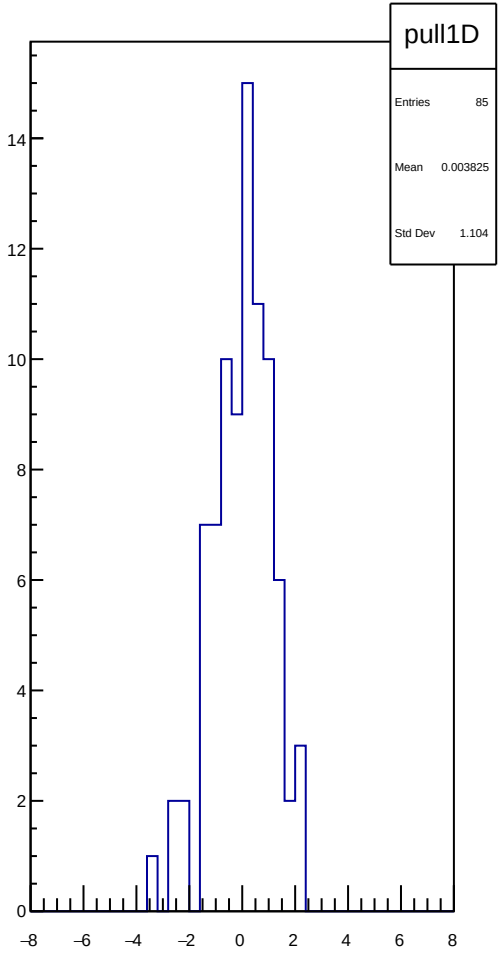

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 68.3 / 84
p0 −0.01518 ± 0.07046
pull
Entries 85
Mean −163
Std Dev 186.7
pull1D
Entries 85
Mean −0.01006
Std Dev 0.8963

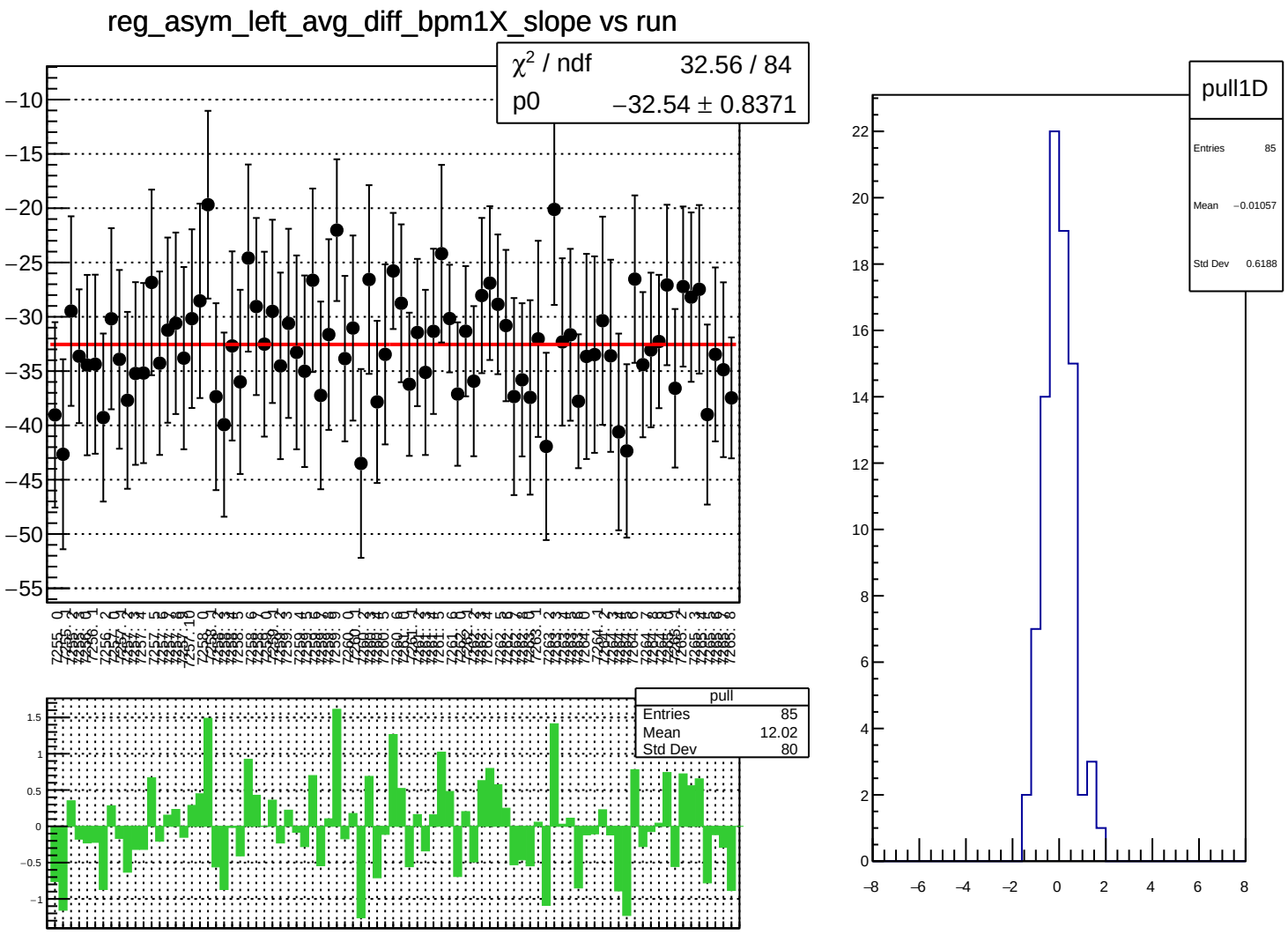

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 102.4 / 84
p0 −0.12 ± 0.08564
pull
Entries 85
Mean −155.8
Std Dev 199.1

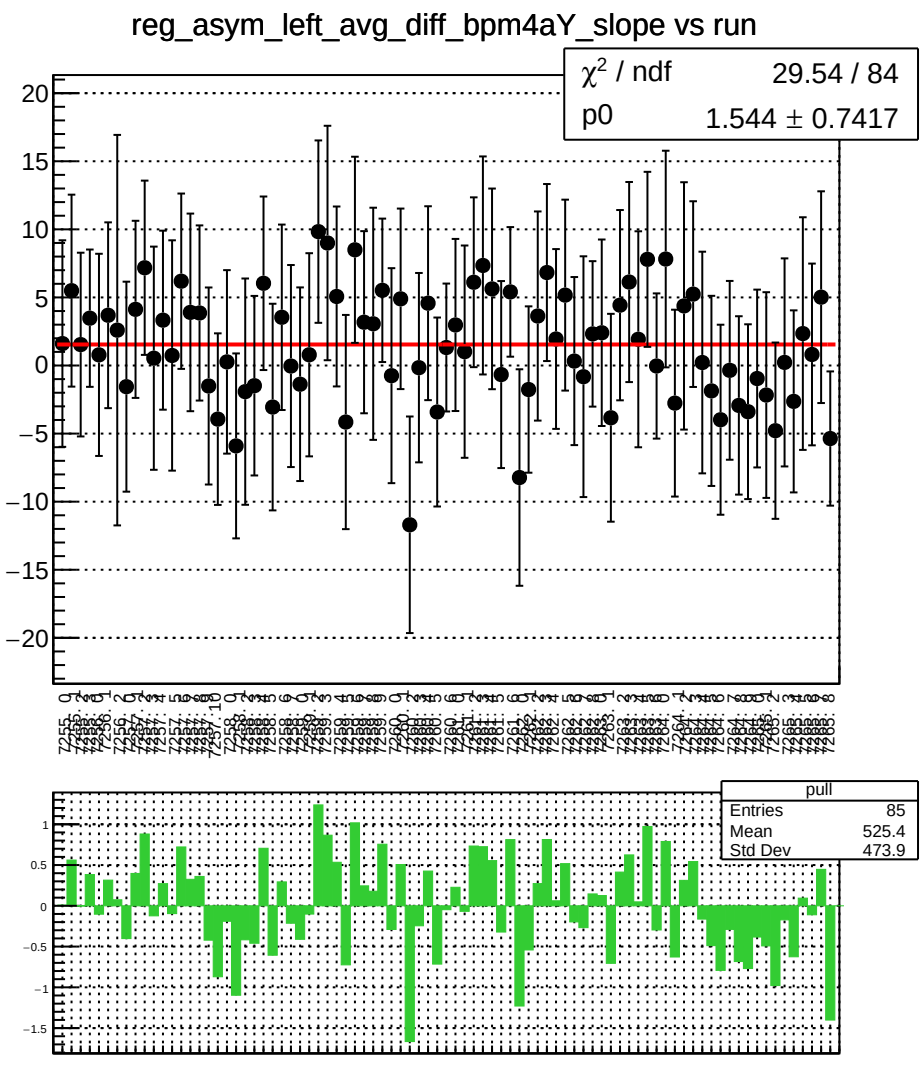

pull1D
Entries 85
Mean −0.03306
Std Dev 1.097

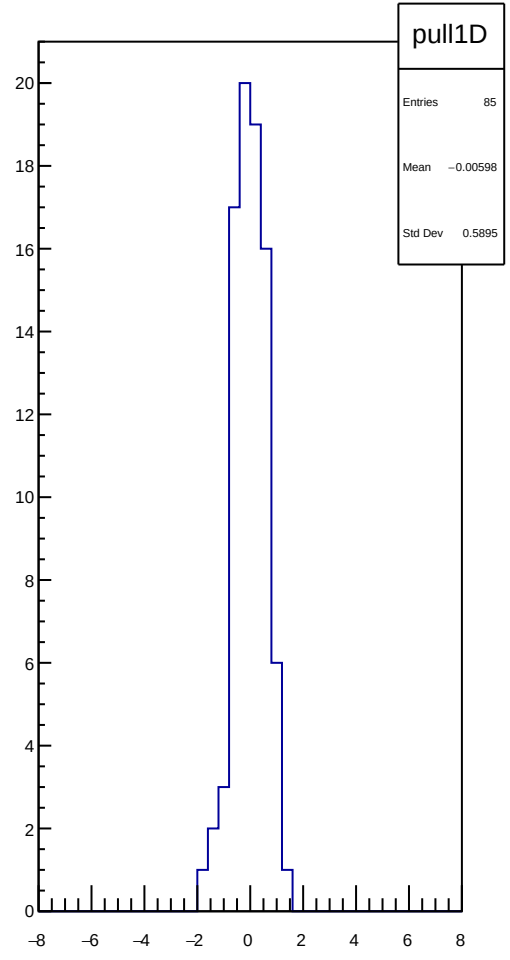

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.68 / 84
p0 0.006503 ± 0.07419
pull
Entries 85
Mean −165.1
Std Dev 183.7
pull1D
Entries 85
Mean 0.01142
Std Dev 0.8922

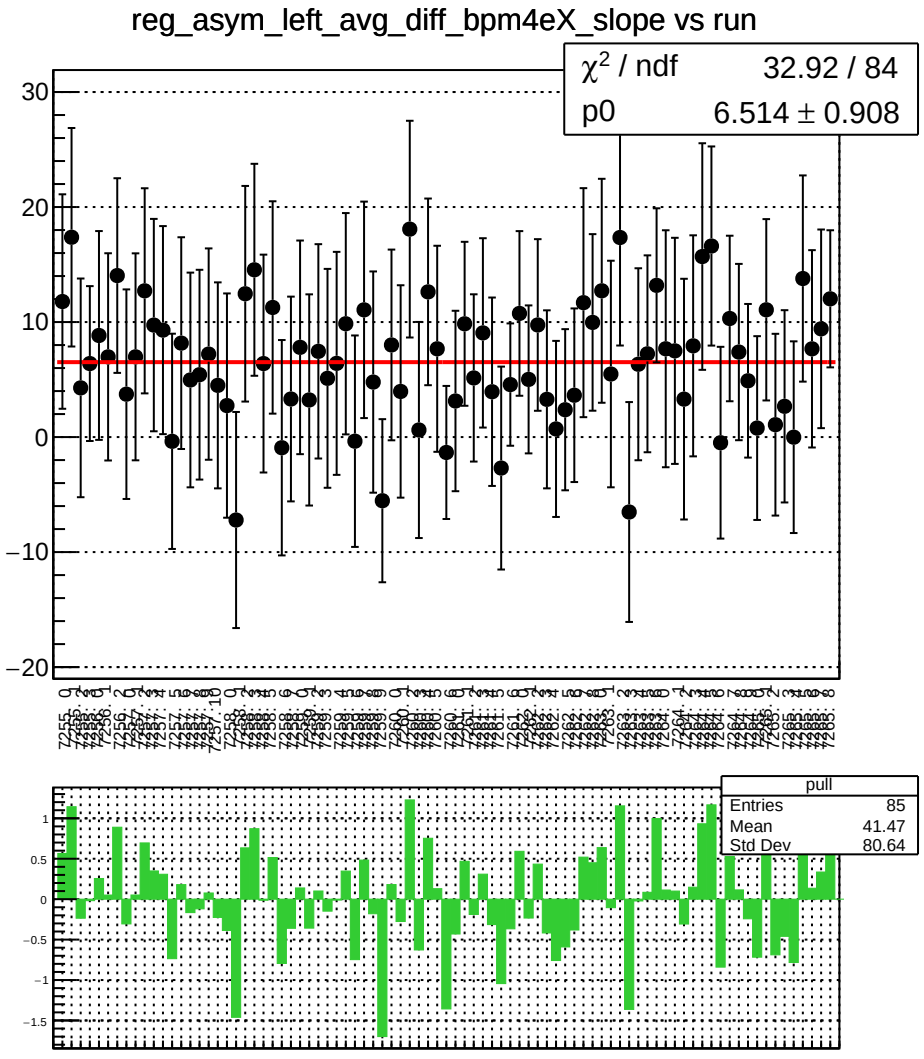

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 103.6 / 84
p0 −0.005566 ± 0.003137
pull
Entries 85
Mean 424.9
Std Dev 353.8

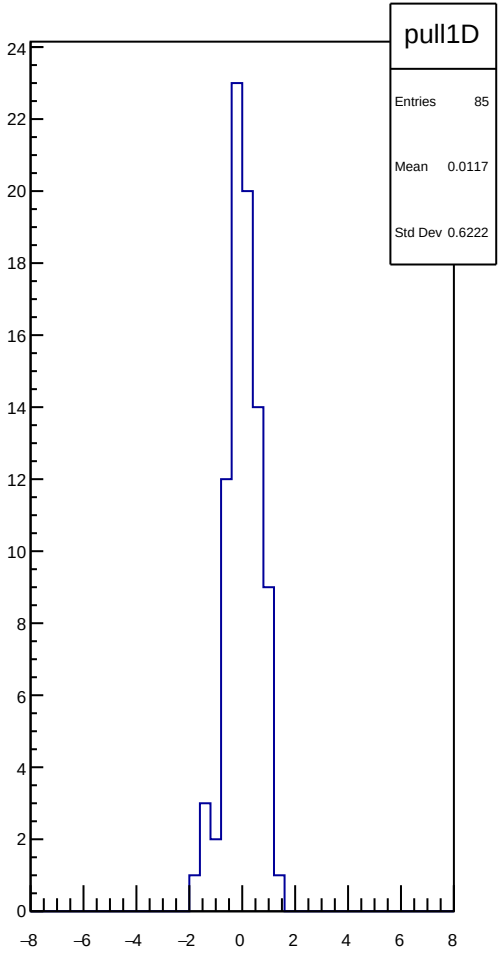

pull1D
Entries 85
Mean 0.003825
Std Dev 1.104

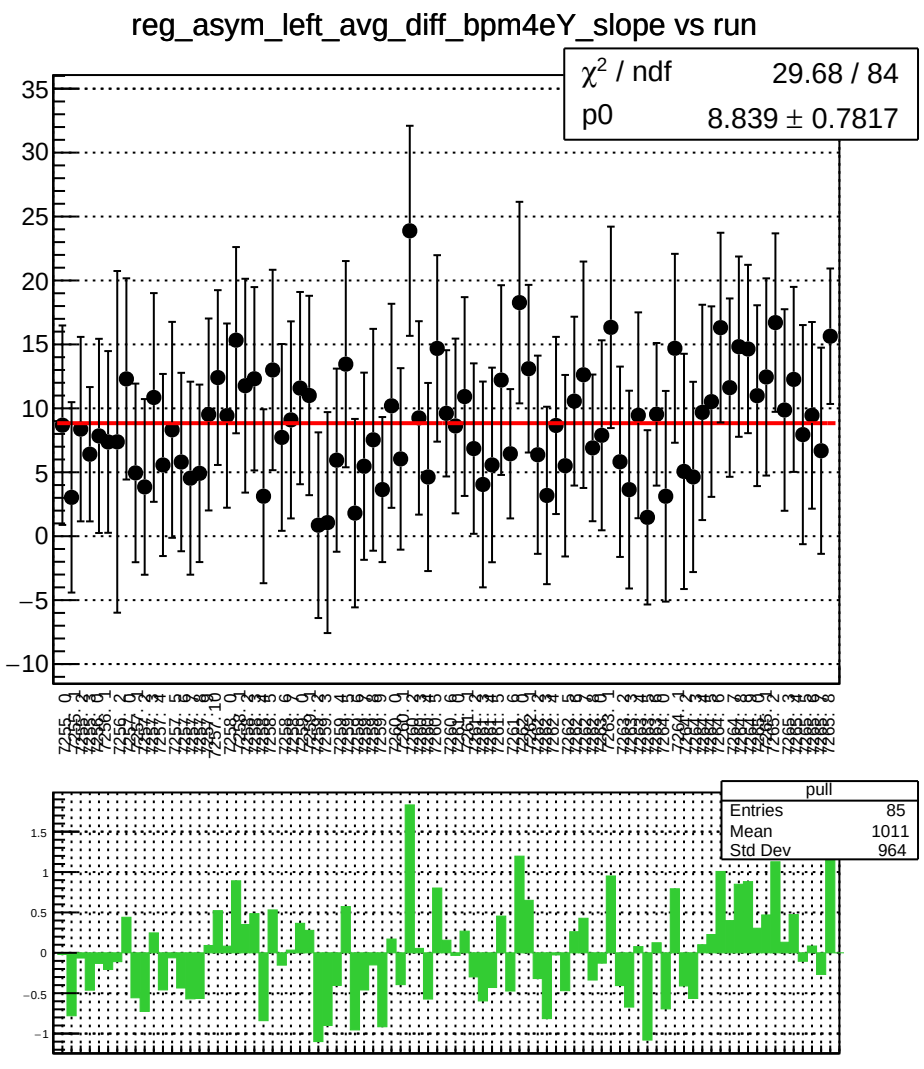

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 32.56 / 84
p0 −32.54 ± 0.8371
pull
Entries 85
Mean 12.02
Std Dev 80
pull1D
Entries 85
Mean −0.01057
Std Dev 0.6188

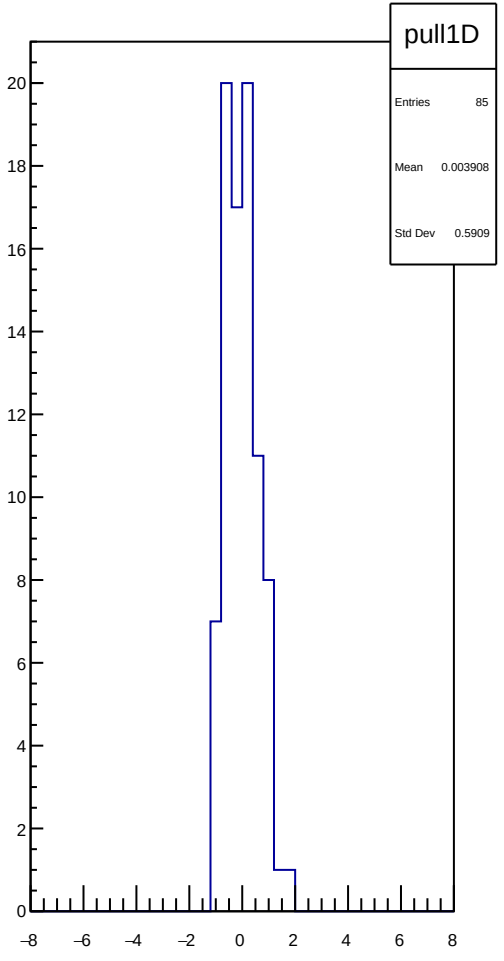

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.54 / 84
p0 1.544 ± 0.7417
pull
Entries 85
Mean 525.4
Std Dev 473.9

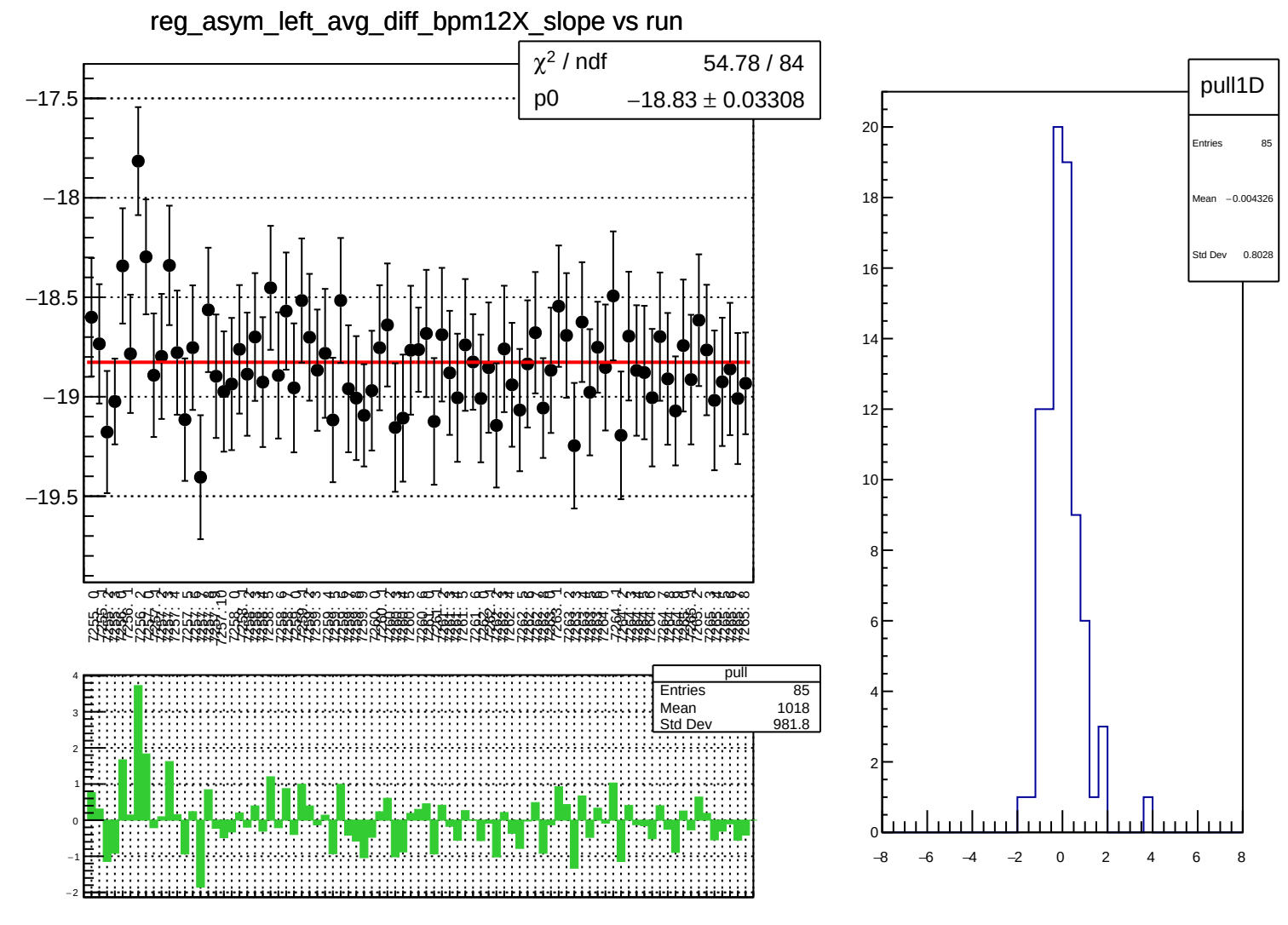

pull1D
Entries 85
Mean −0.00598
Std Dev 0.5895

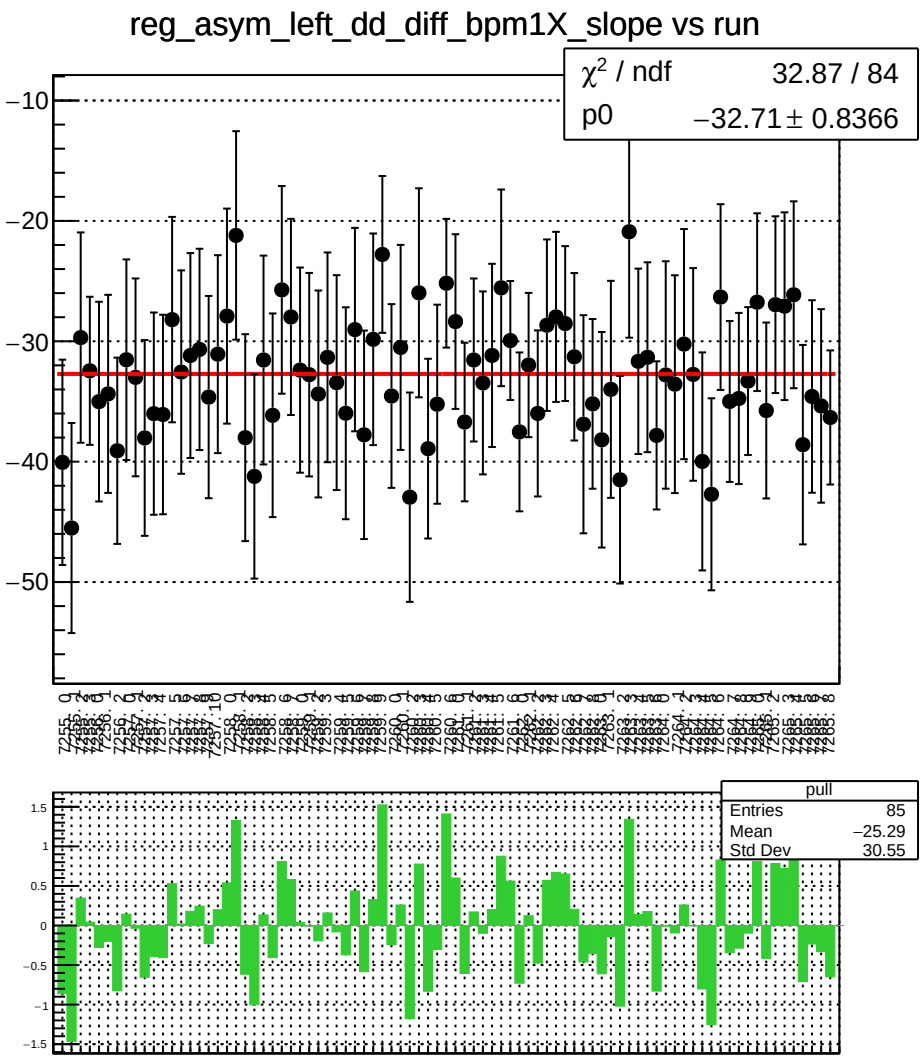

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 32.92 / 84
p0 6.514 ± 0.908
pull
Entries 85
Mean 41.47
Std Dev 80.64

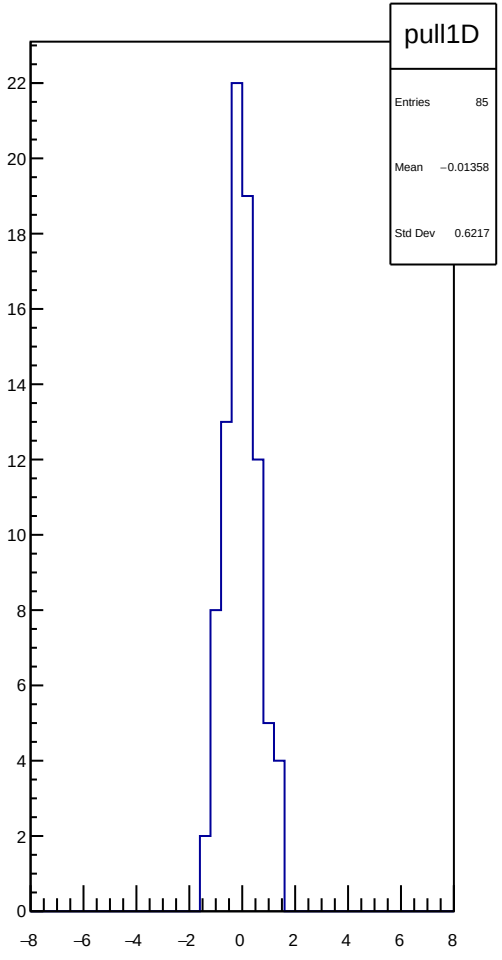

pull1D
Entries 85
Mean 0.0117
Std Dev 0.6222

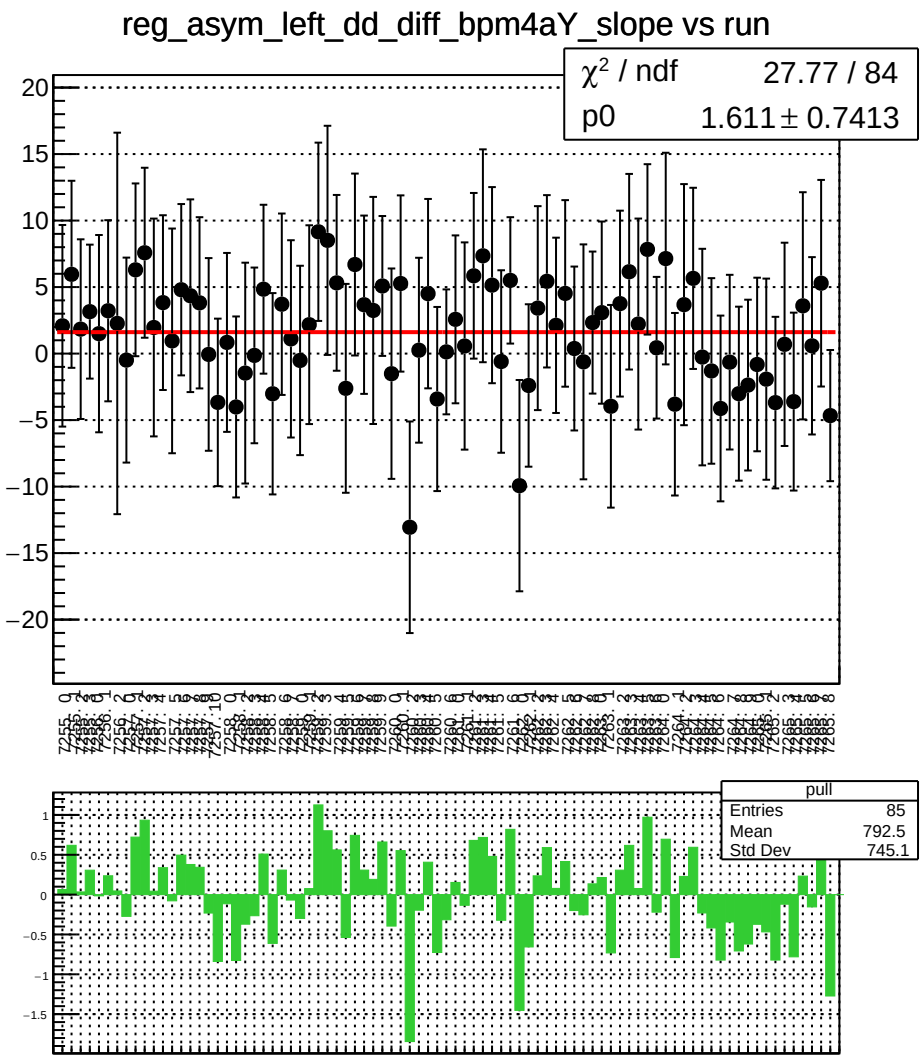

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.68 / 84
p0 8.839 ± 0.7817
pull
Entries 85
Mean 1011
Std Dev 964

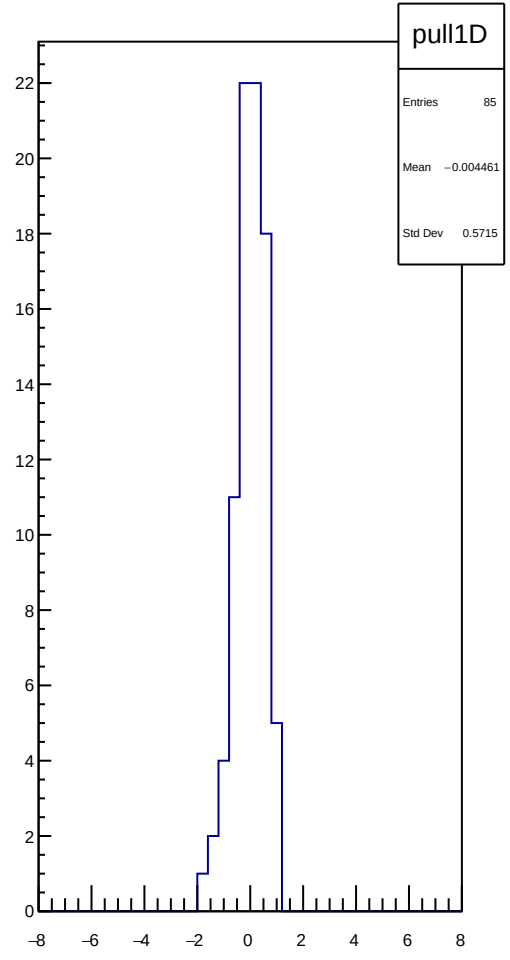

pull1D
Entries 85
Mean 0.003908
Std Dev 0.5909

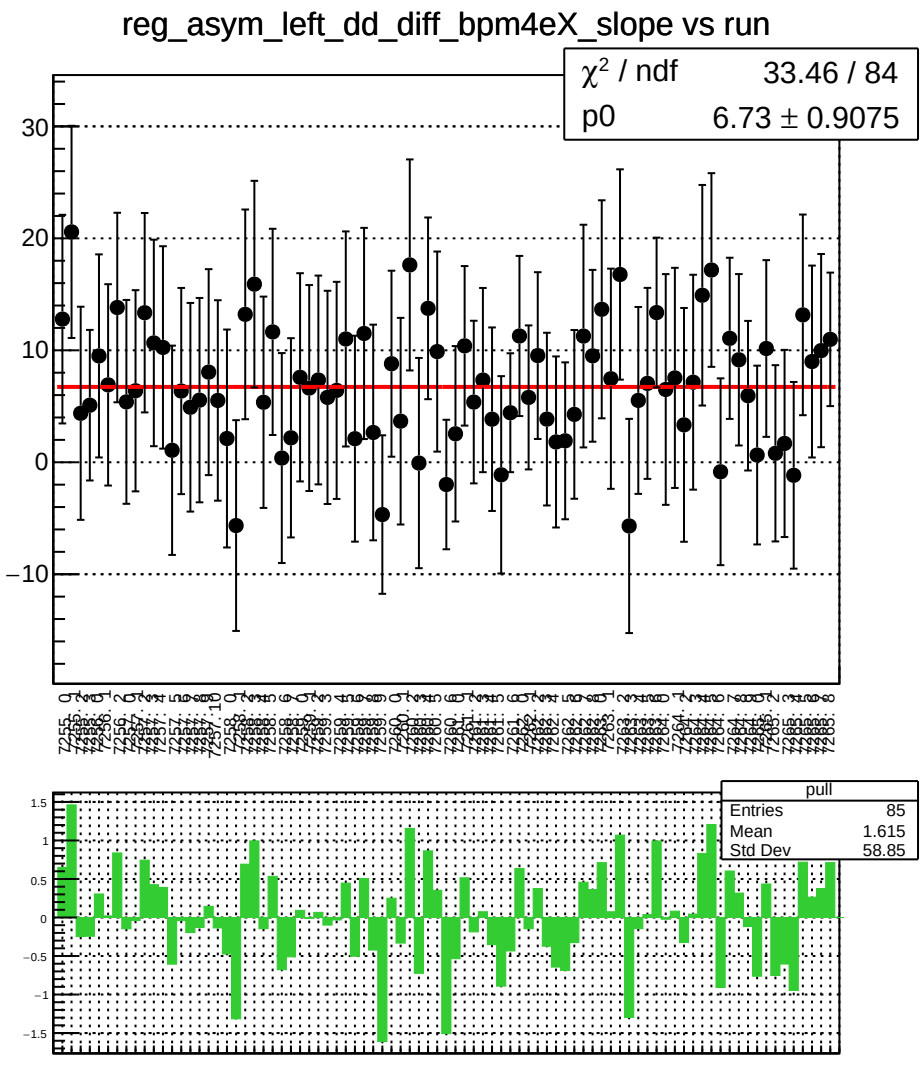

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 54.78 / 84
p0 −18.83 ± 0.03308
−17.5
−18
−18.5
−19
−19.5
pull
Entries 85
Mean 1018
Std Dev 981.8
pull1D
Entries 85
Mean −0.004326
Std Dev 0.8028

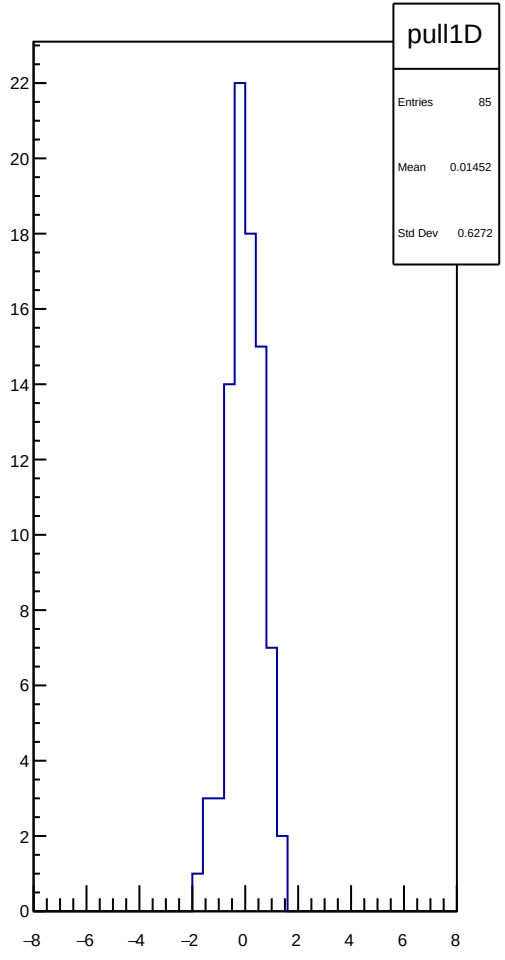

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 32.87 / 84
p0 −32.71 ± 0.8366
pull
Entries 85
Mean −25.29
Std Dev 30.55

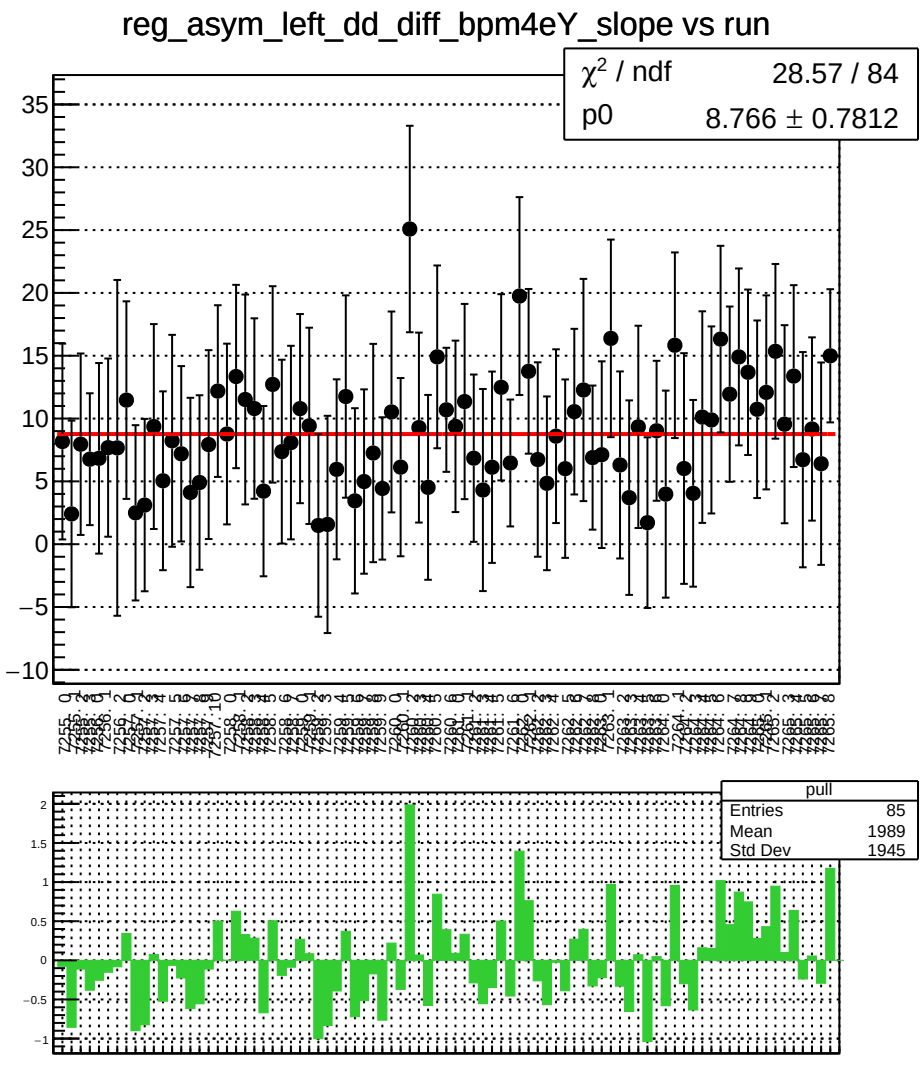

pull1D
Entries 85
Mean −0.01358
Std Dev 0.6217

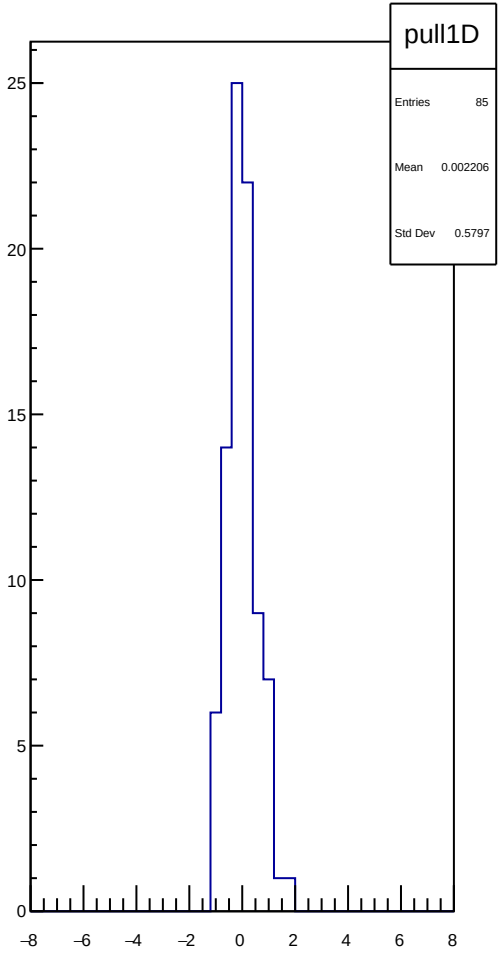

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.77 / 84
p0 1.611 ± 0.7413
pull
Entries 85
Mean 792.5
Std Dev 745.1

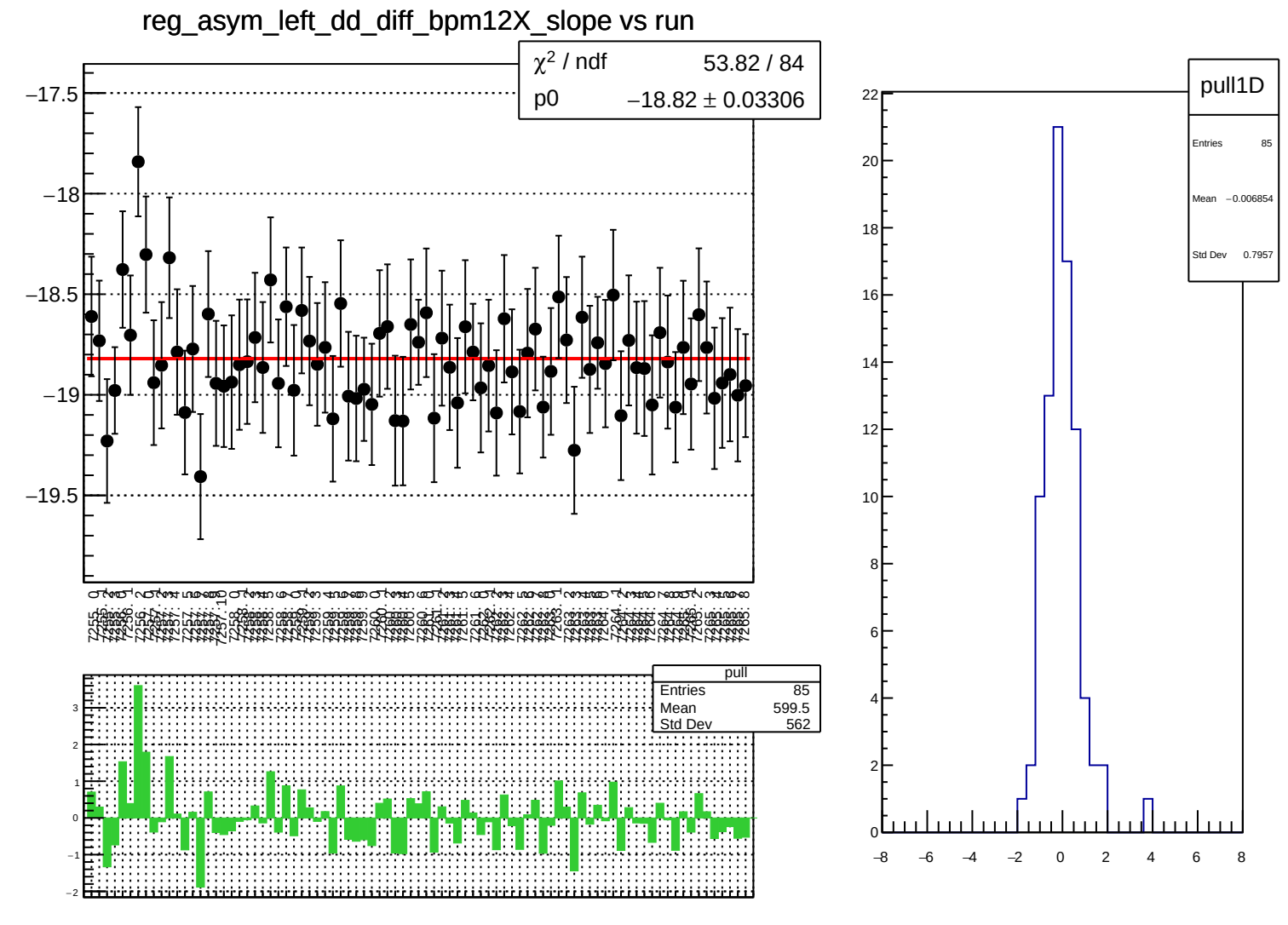

pull1D
Entries 85
Mean −0.004461
Std Dev 0.5715

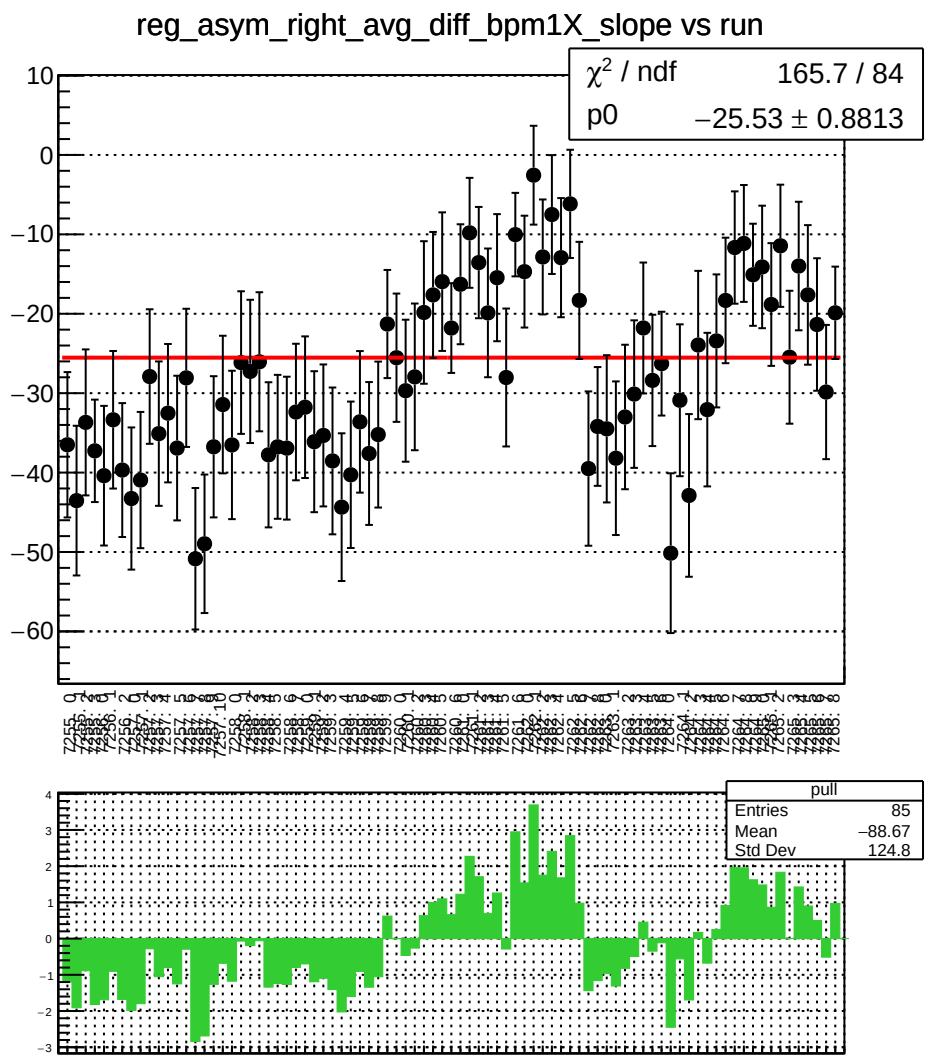

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.46 / 84
p0 6.73 ± 0.9075
pull
Entries 85
Mean 1.615
Std Dev 58.85

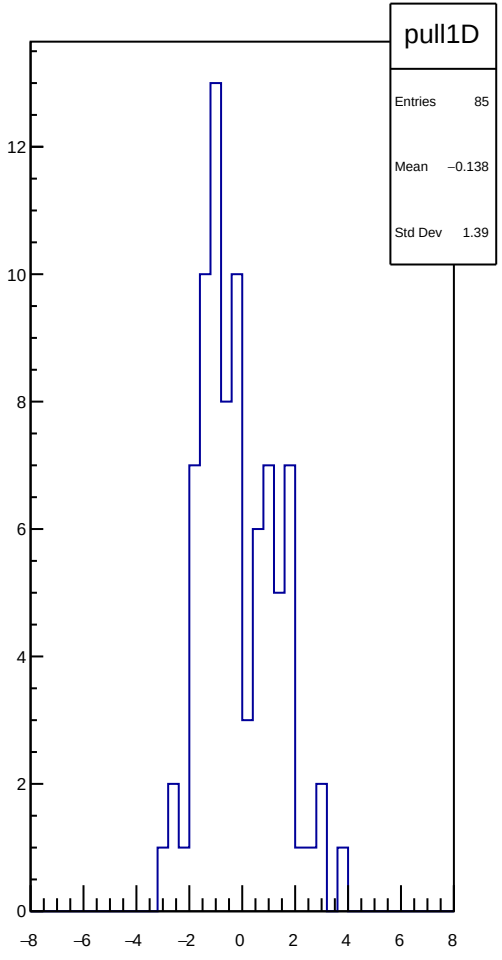

pull1D
Entries 85
Mean 0.01452
Std Dev 0.6272

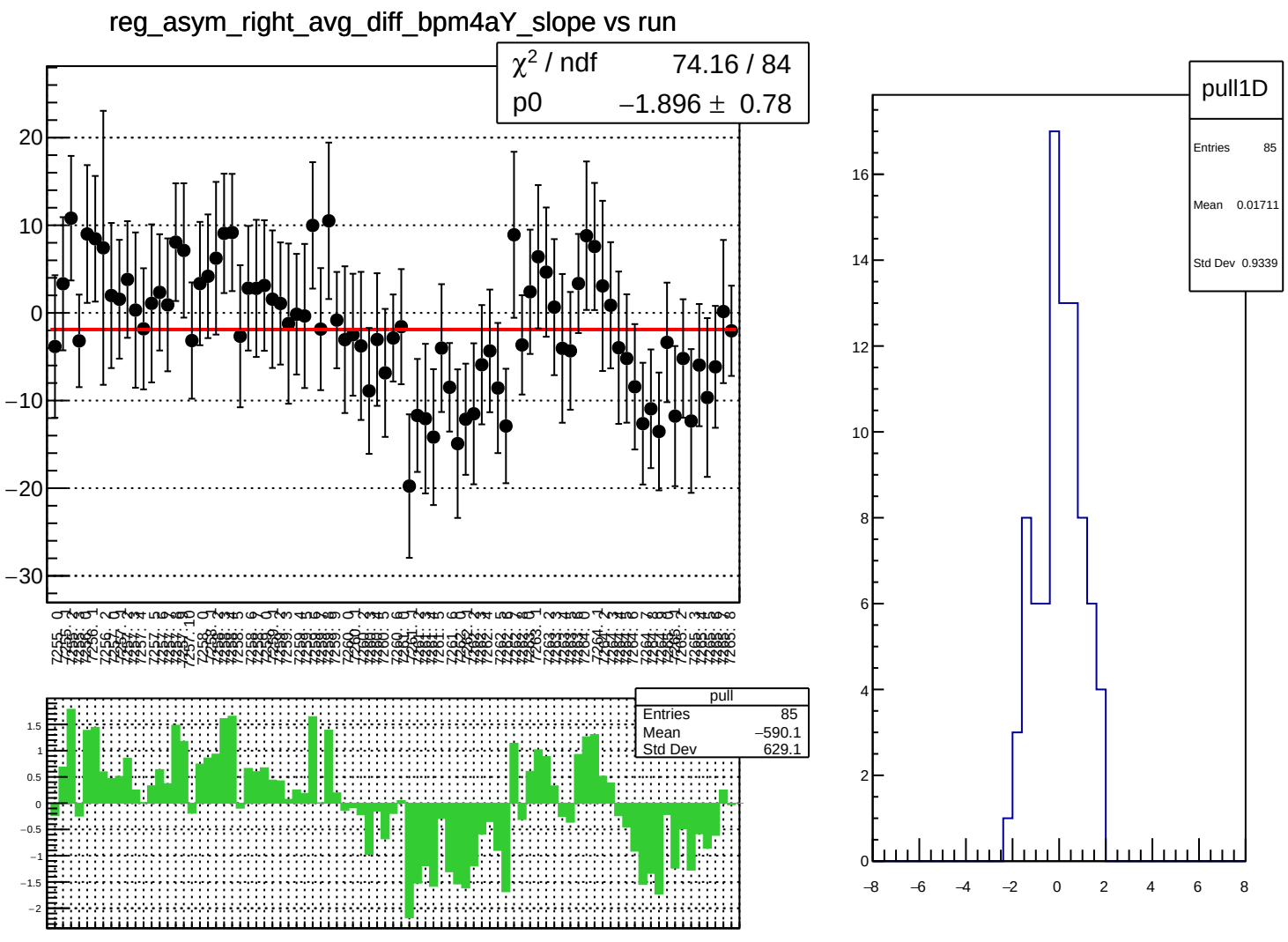

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.57 / 84
p0 8.766 ± 0.7812
pull
Entries 85
Mean 1989
Std Dev 1945

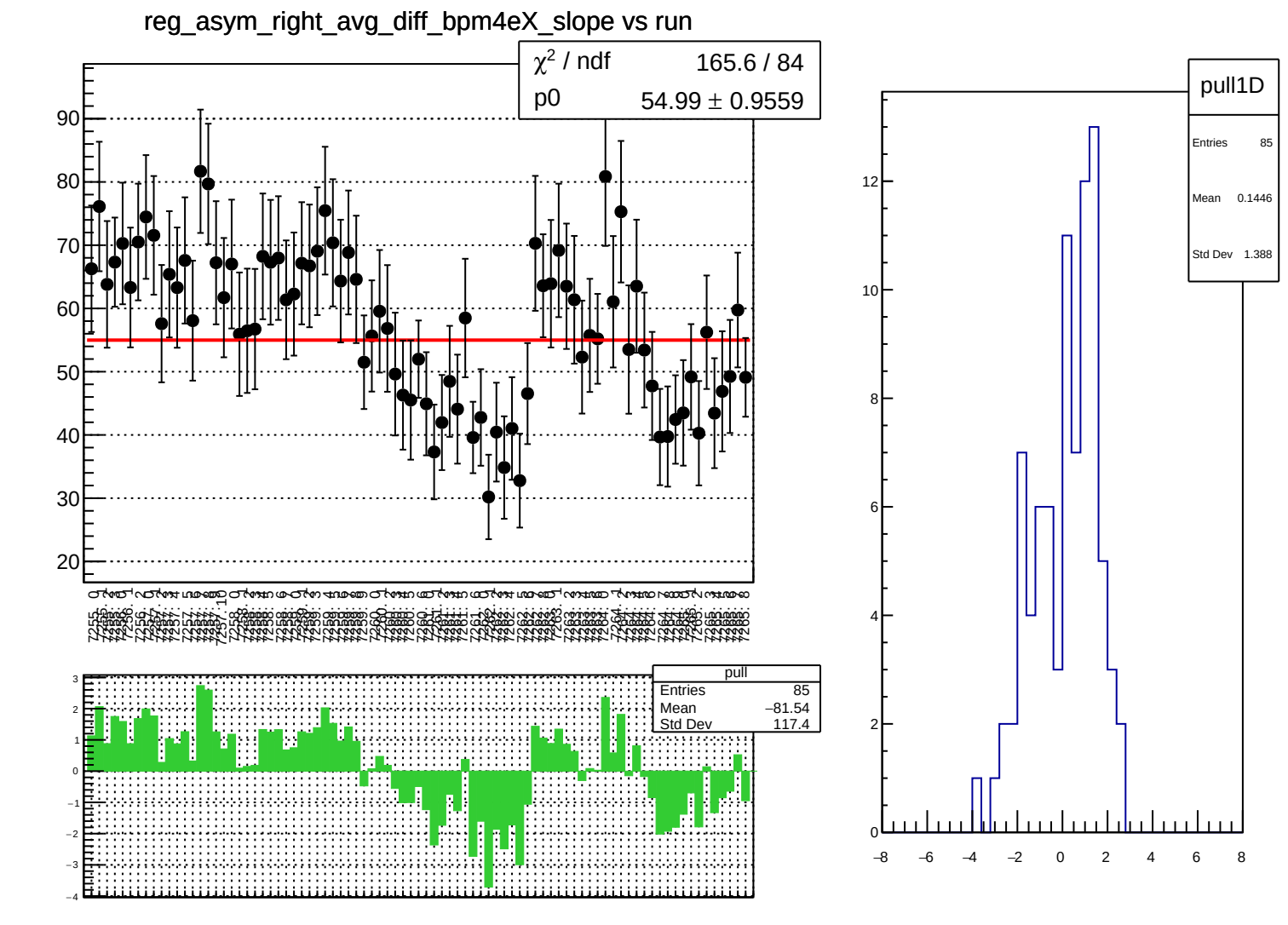

pull1D
Entries 85
Mean 0.002206
Std Dev 0.5797

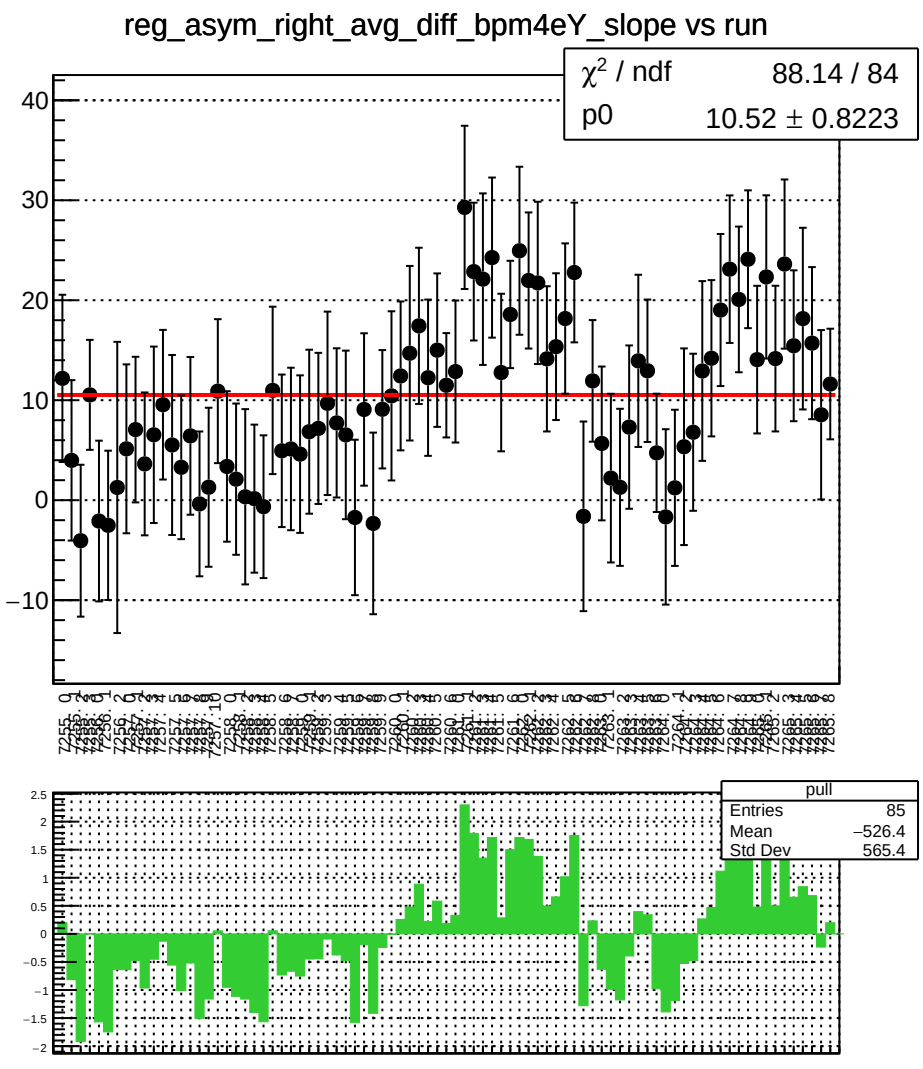

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 53.82 / 84
p0 −18.82 ± 0.03306
−17.5
−18
−18.5
−19
−19.5
pull
Entries 85
Mean 599.5
Std Dev 562
pull1D
Entries 85
Mean −0.006854
Std Dev 0.7957

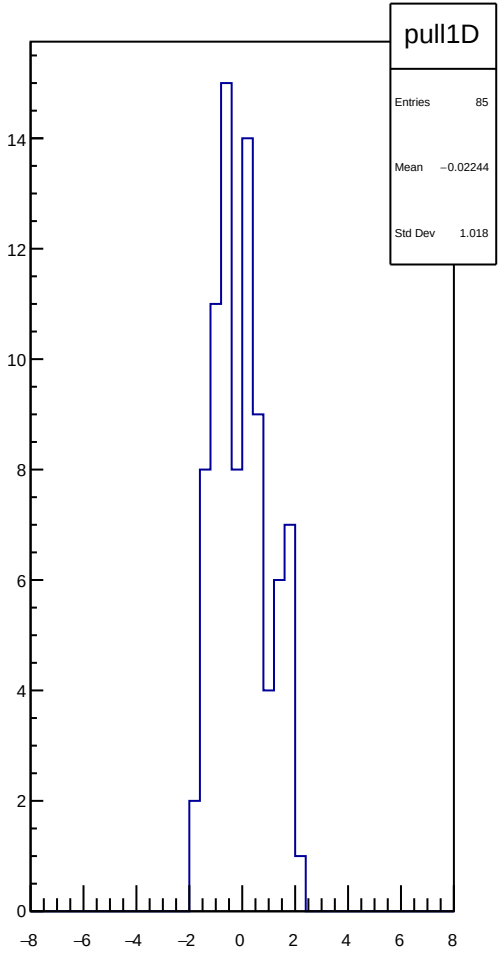

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 165.7 / 84
p0 −25.53 ± 0.8813
pull
Entries 85
Mean −88.67
Std Dev 124.8

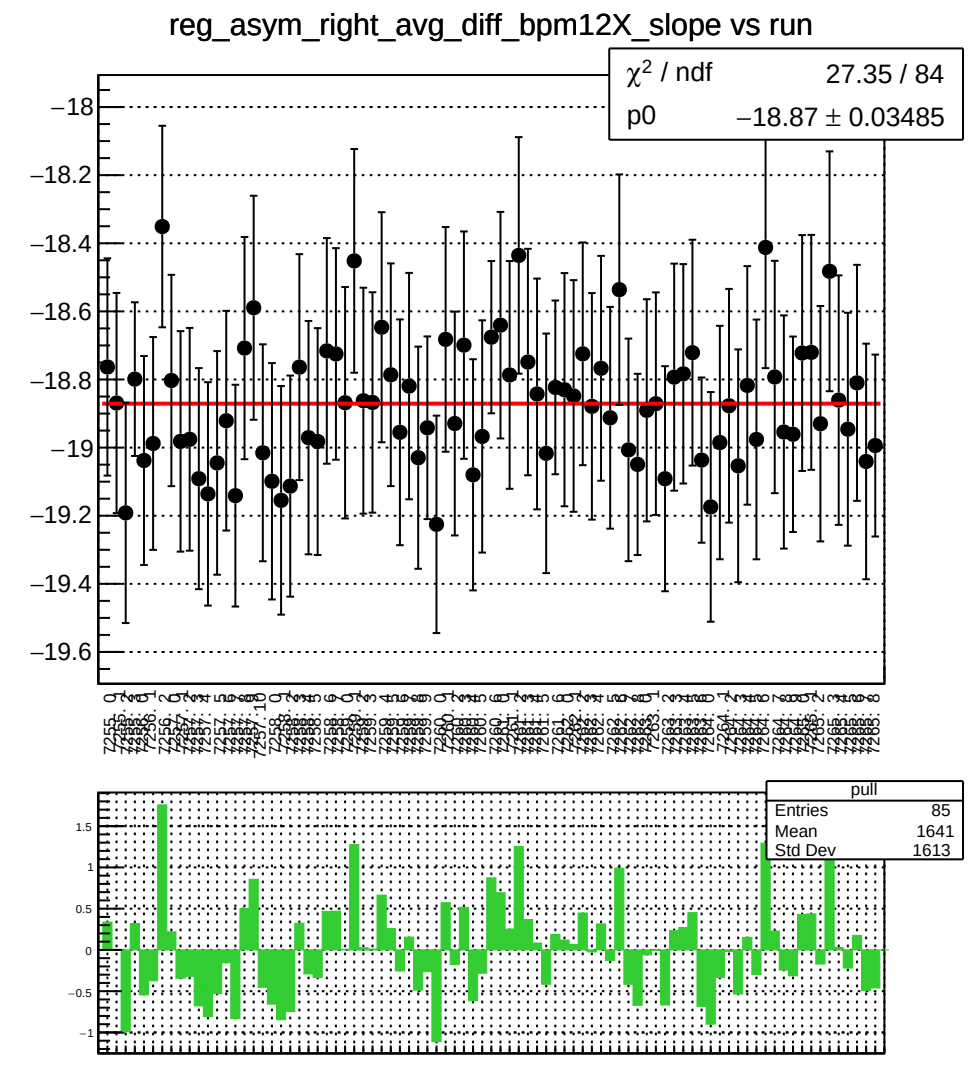

pull1D
Entries 85
Mean −0.138
Std Dev 1.39

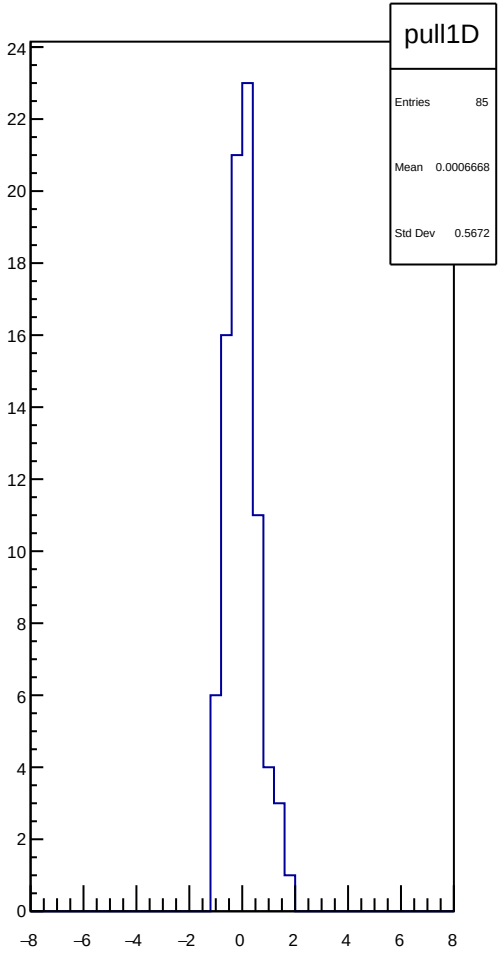

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 74.16 / 84
p0 −1.896 ± 0.78
pull
Entries 85
Mean −590.1
Std Dev 629.1
pull1D
Entries 85
Mean 0.01711
Std Dev 0.9339

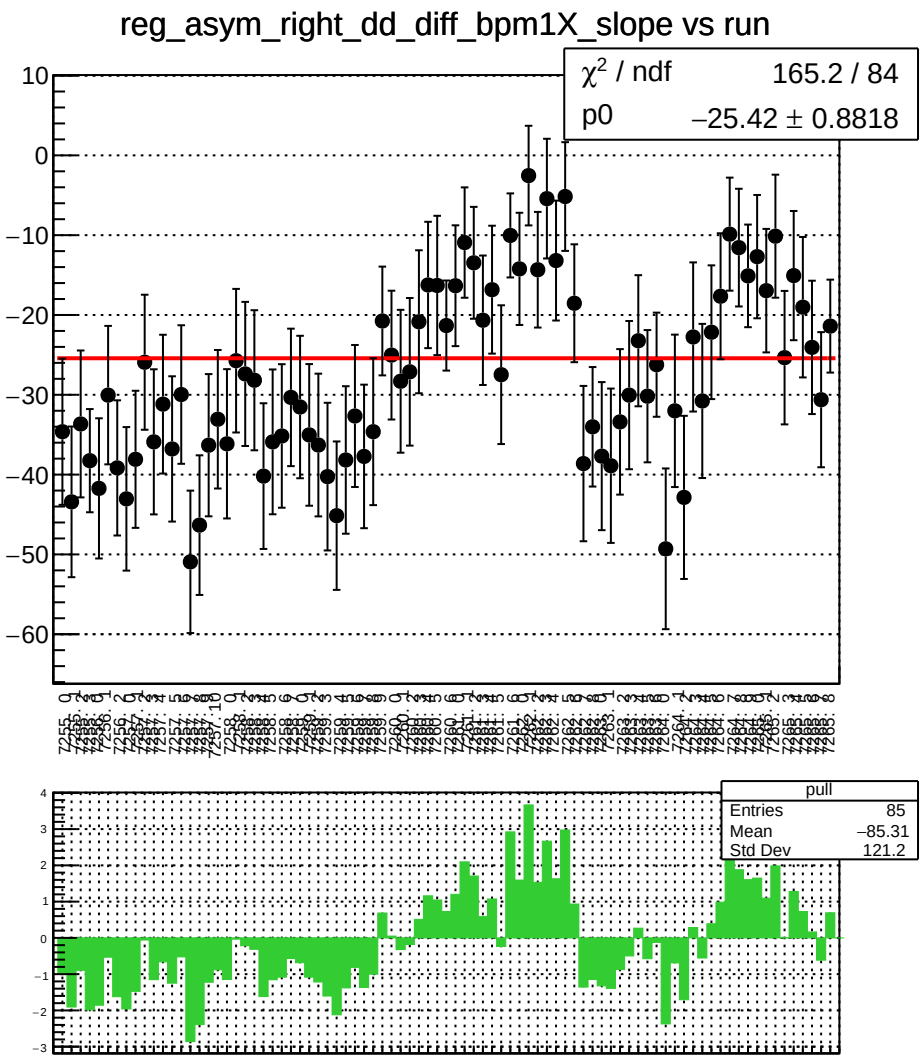

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 165.6 / 84
p0 54.99 ± 0.9559
pull
Entries 85
Mean −81.54
Std Dev 117.4
pull1D
Entries 85
Mean 0.1446
Std Dev 1.388

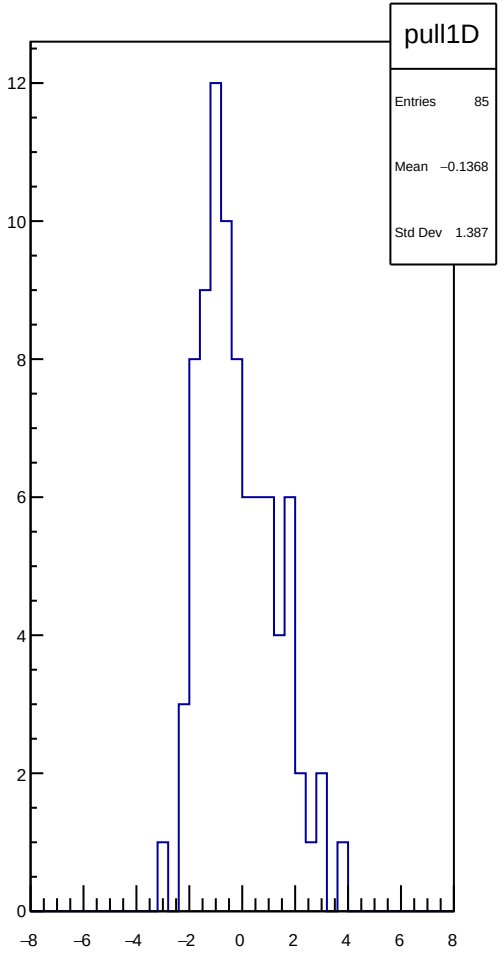

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 88.14 / 84
p0 10.52 ± 0.8223
pull
Entries 85
Mean −526.4
Std Dev 565.4

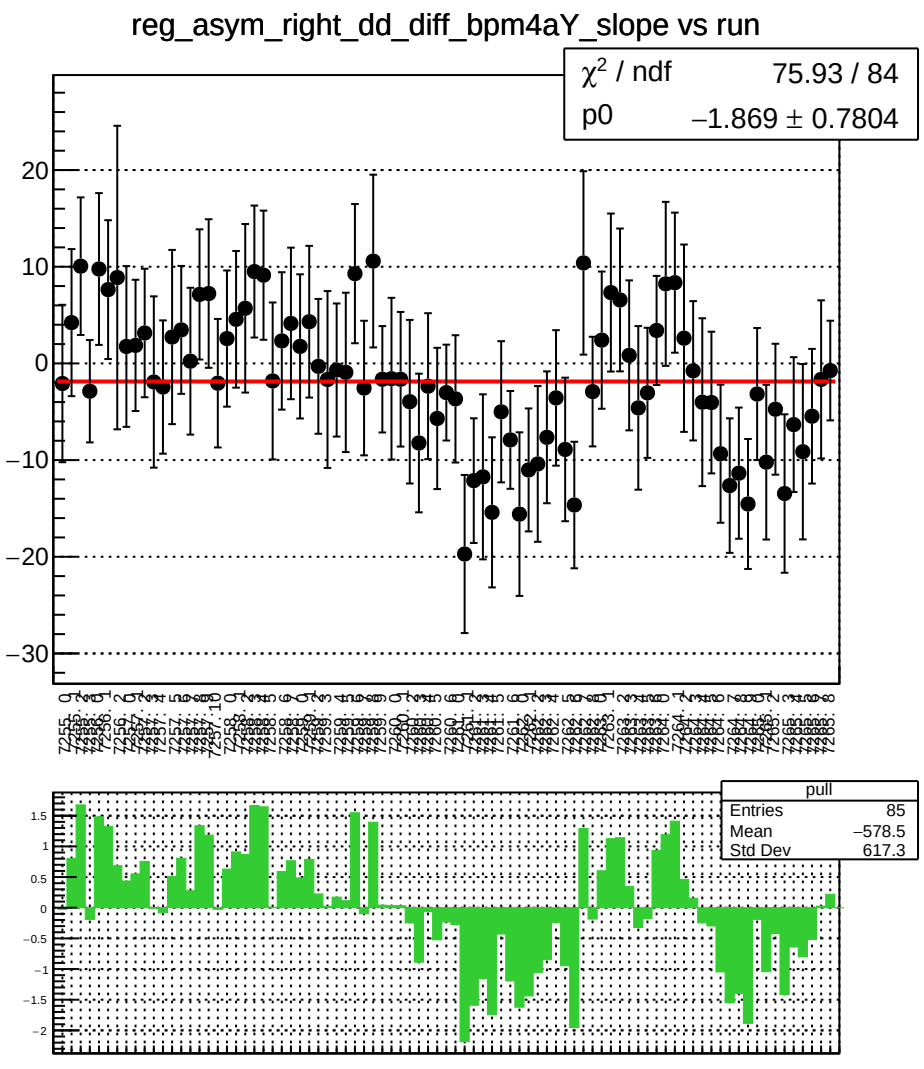

pull1D
Entries 85
Mean −0.02244
Std Dev 1.018

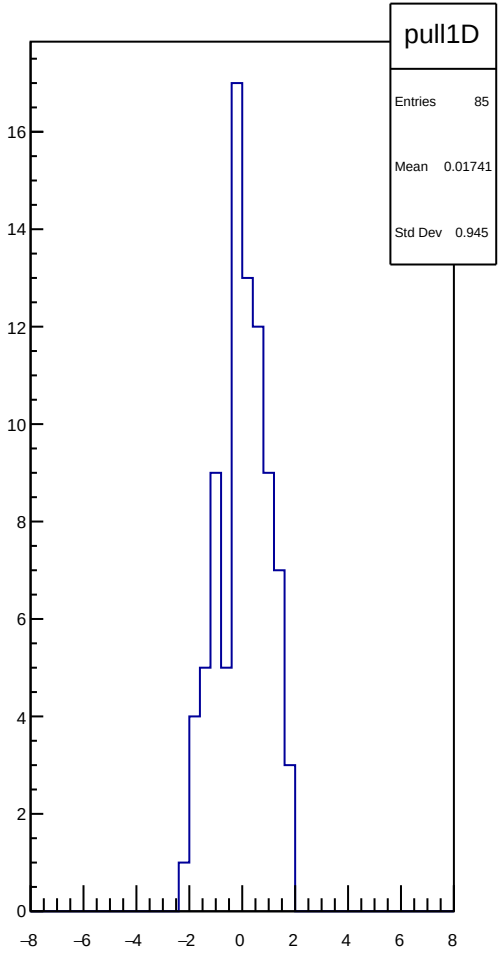

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 27.35 / 84
p0 −18.87 ± 0.03485
pull
Entries 85
Mean 1641
Std Dev 1613

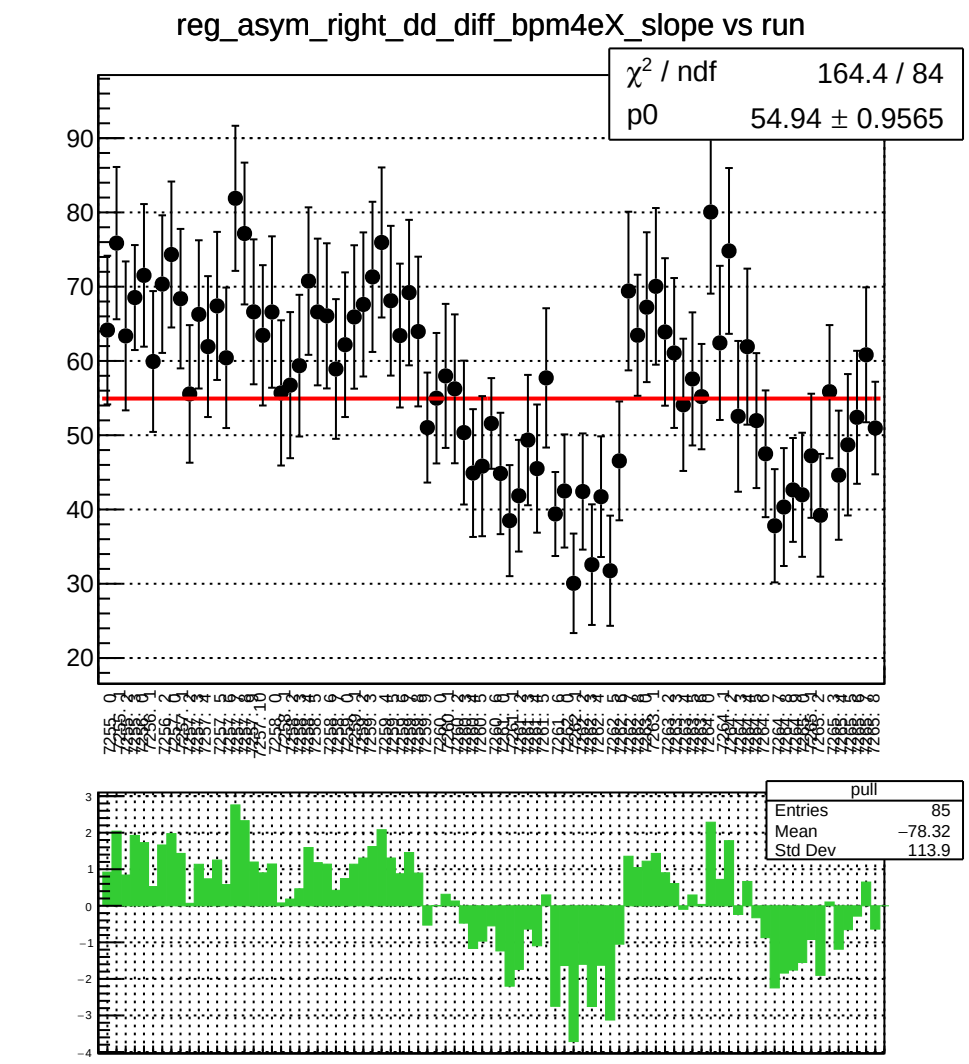

pull1D
Entries 85
Mean 0.0006668
Std Dev 0.5672

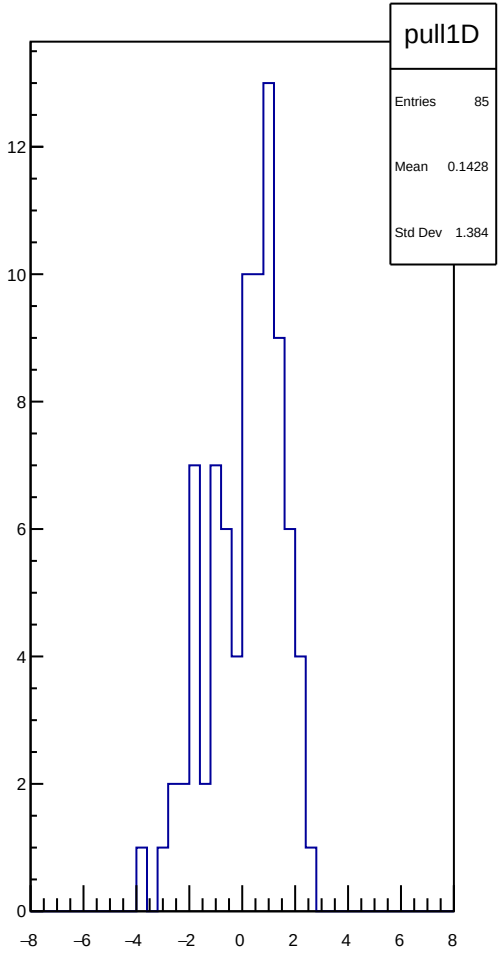

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 165.2 / 84
p0 −25.42 ± 0.8818
pull
Entries 85
Mean −85.31
Std Dev 121.2

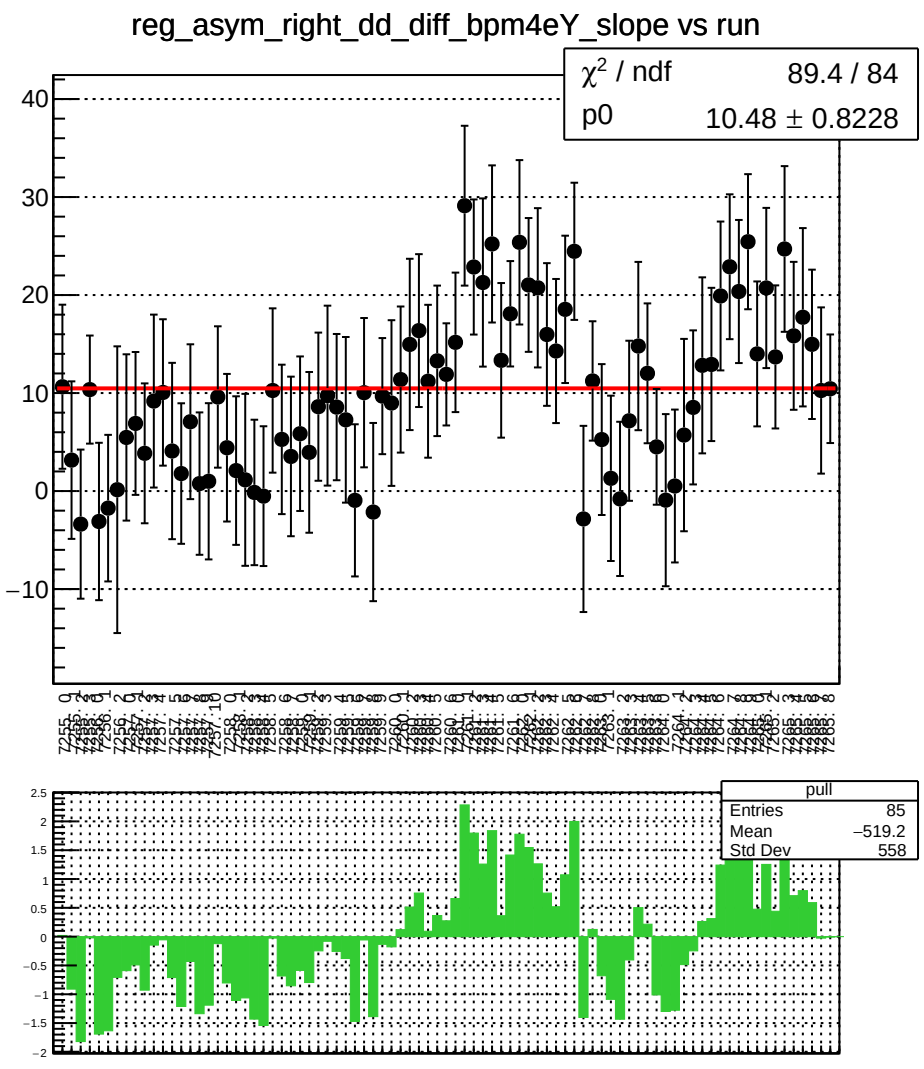

pull1D
Entries 85
Mean −0.1368
Std Dev 1.387

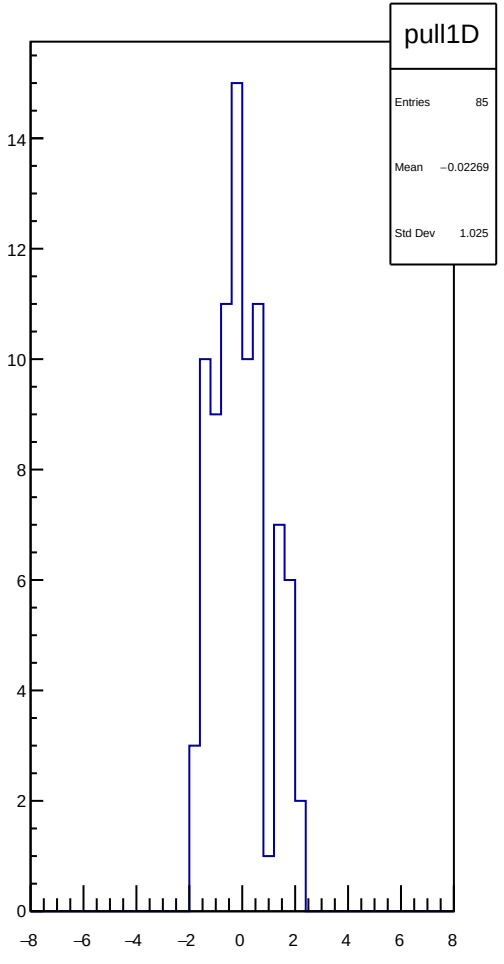

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 75.93 / 84
p0 −1.869 ± 0.7804
pull
Entries 85
Mean −578.5
Std Dev 617.3

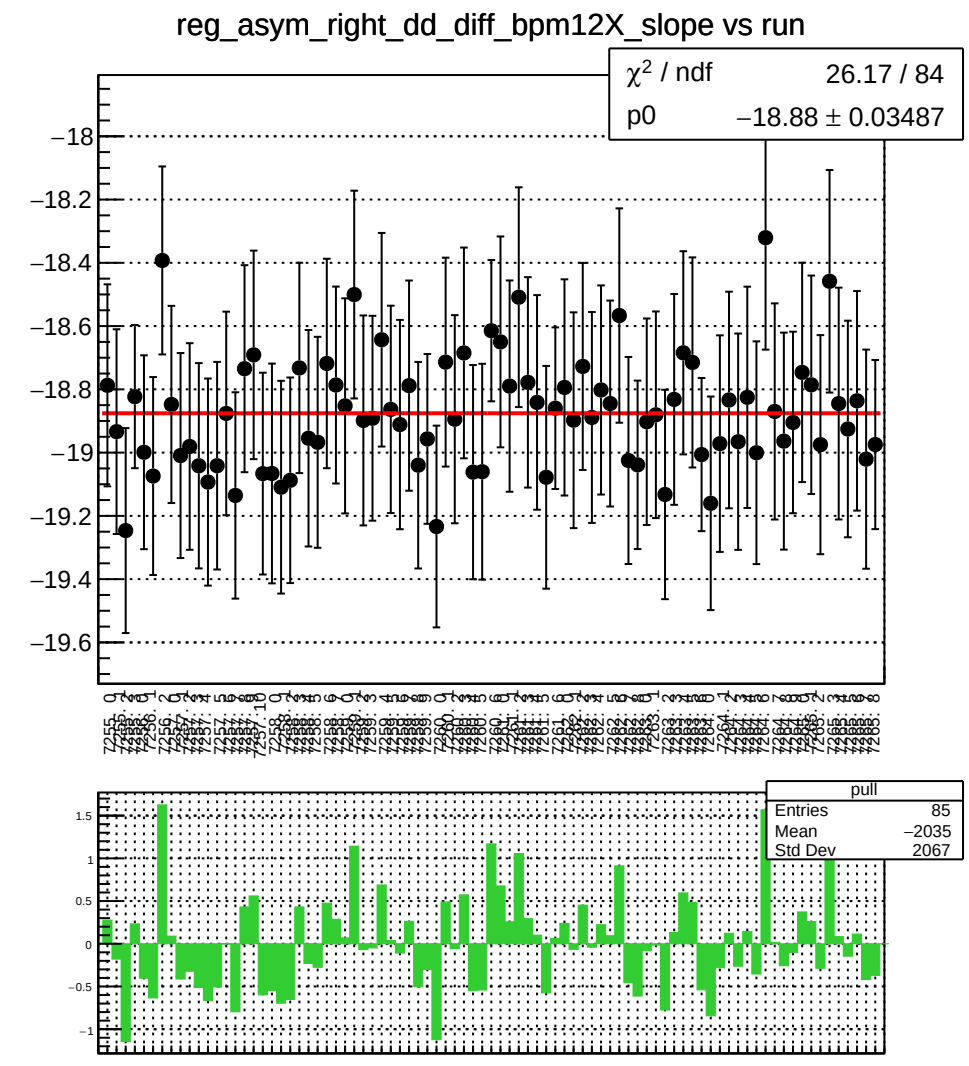

pull1D
Entries 85
Mean 0.01741
Std Dev 0.945

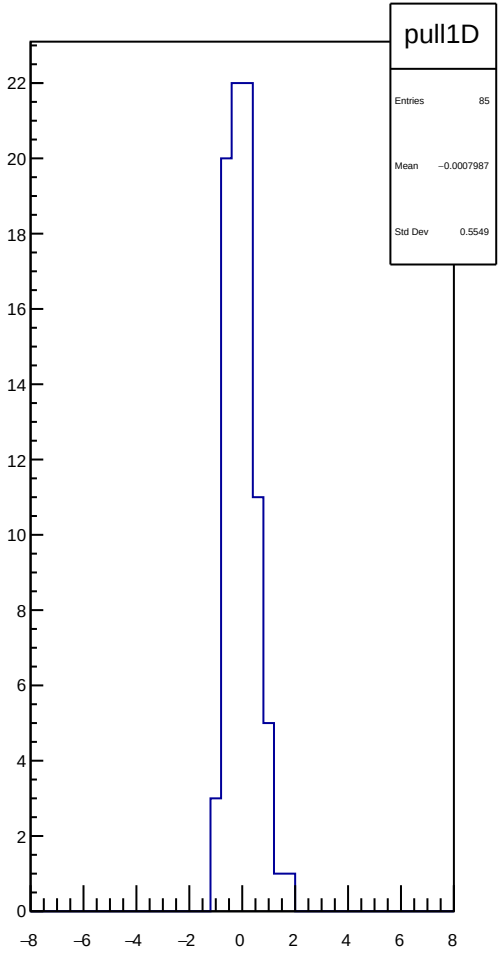

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 164.4 / 84
p0 54.94 ± 0.9565
pull
Entries 85
Mean −78.32
Std Dev 113.9

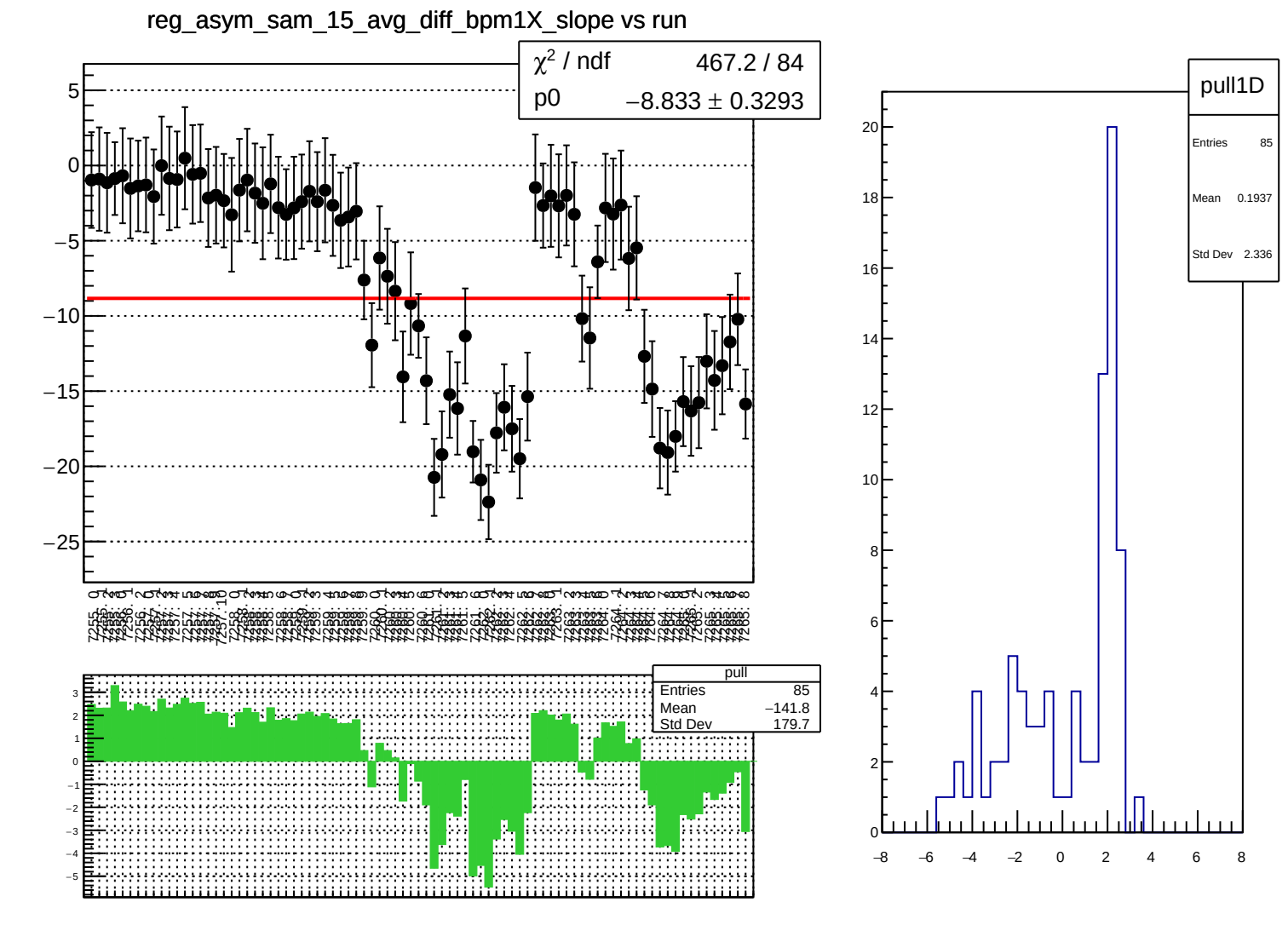

pull1D
Entries 85
Mean 0.1428
Std Dev 1.384

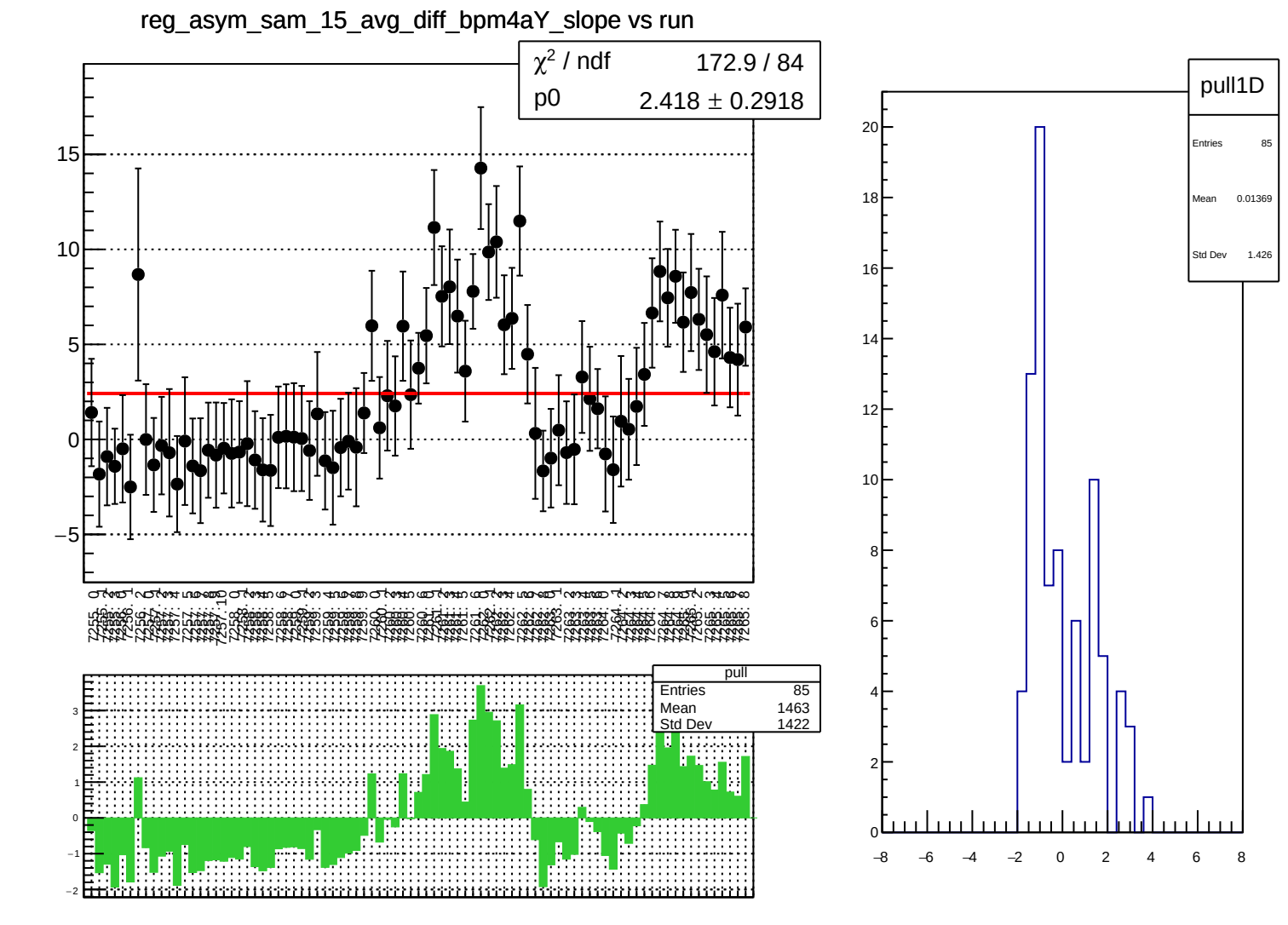

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 89.4 / 84
p0 10.48 ± 0.8228
pull
Entries 85
Mean −519.2
Std Dev 558

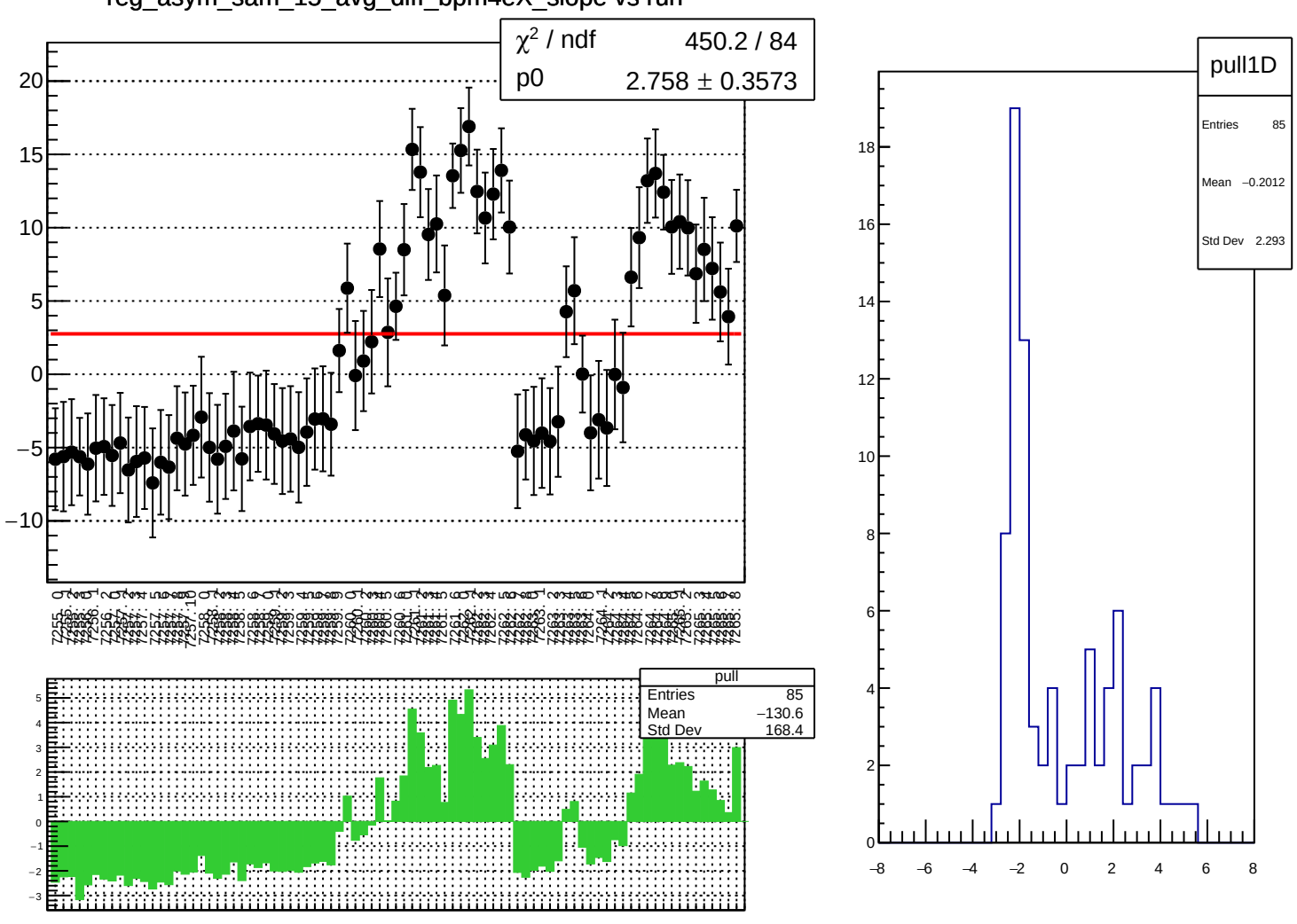

pull1D
Entries 85
Mean −0.02269
Std Dev 1.025

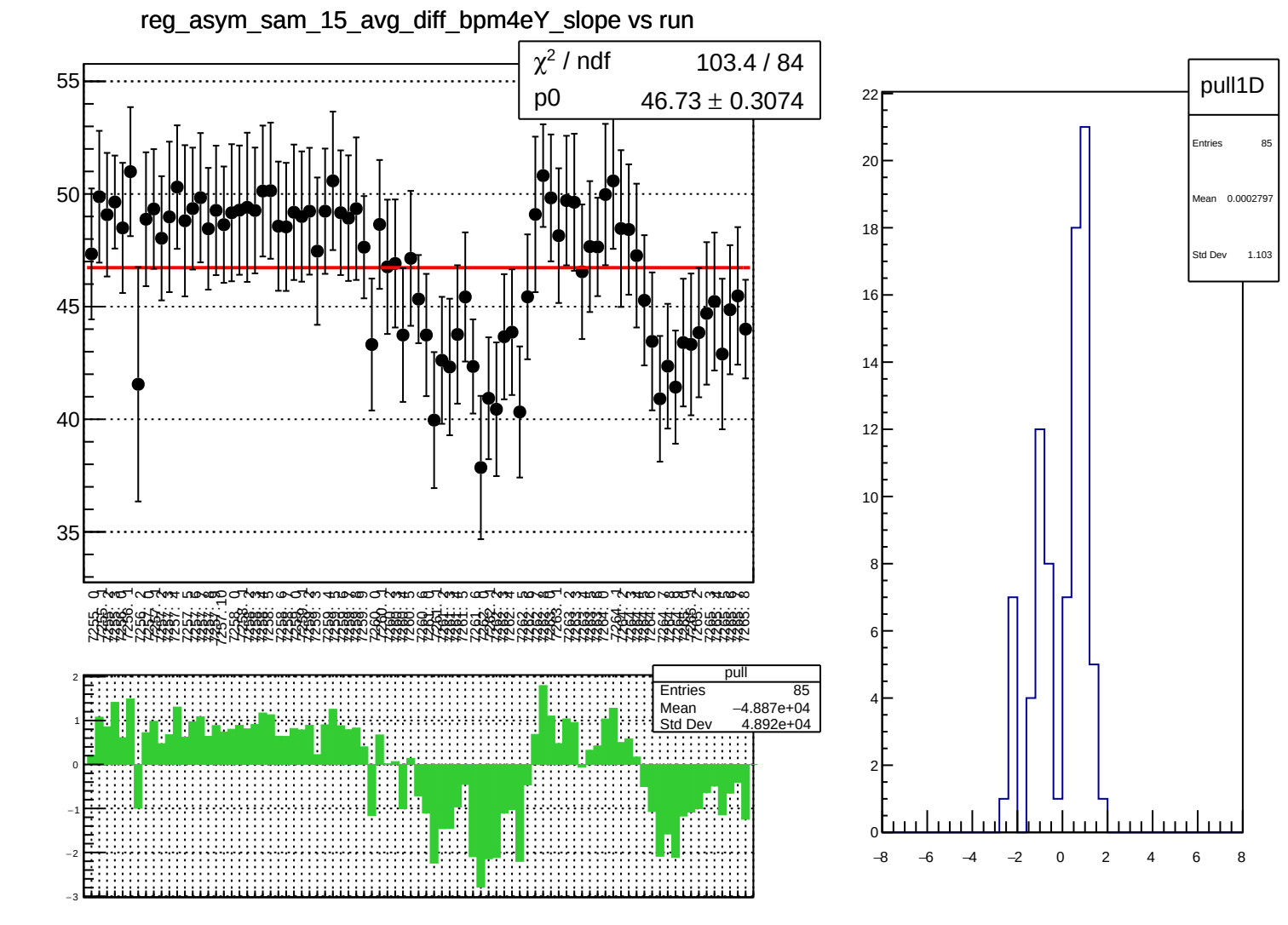

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 26.17 / 84
p0 −18.88 ± 0.03487
pull
Entries 85
Mean −2035
Std Dev 2067

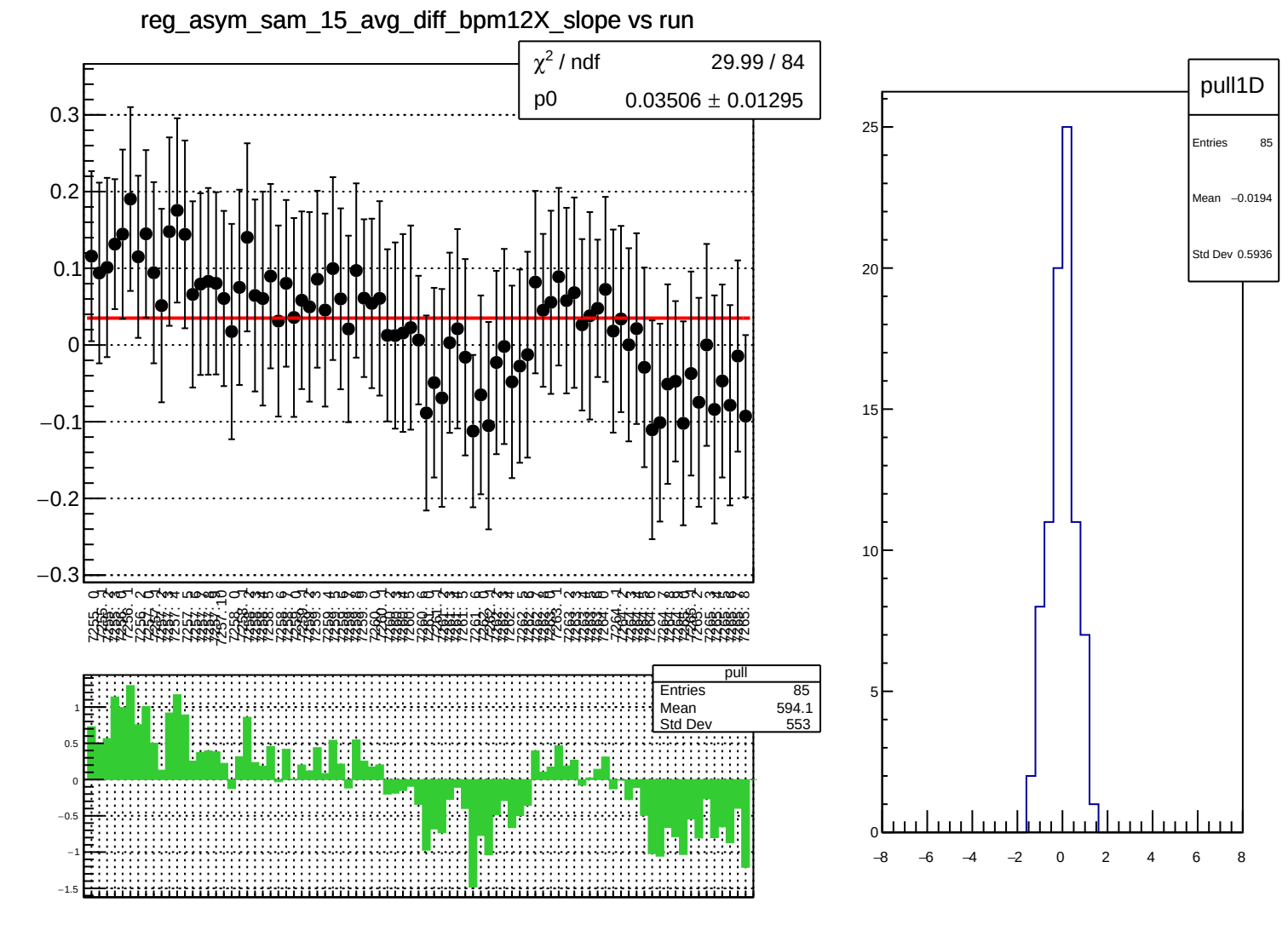

pull1D
Entries 85
Mean −0.0007987
Std Dev 0.5549

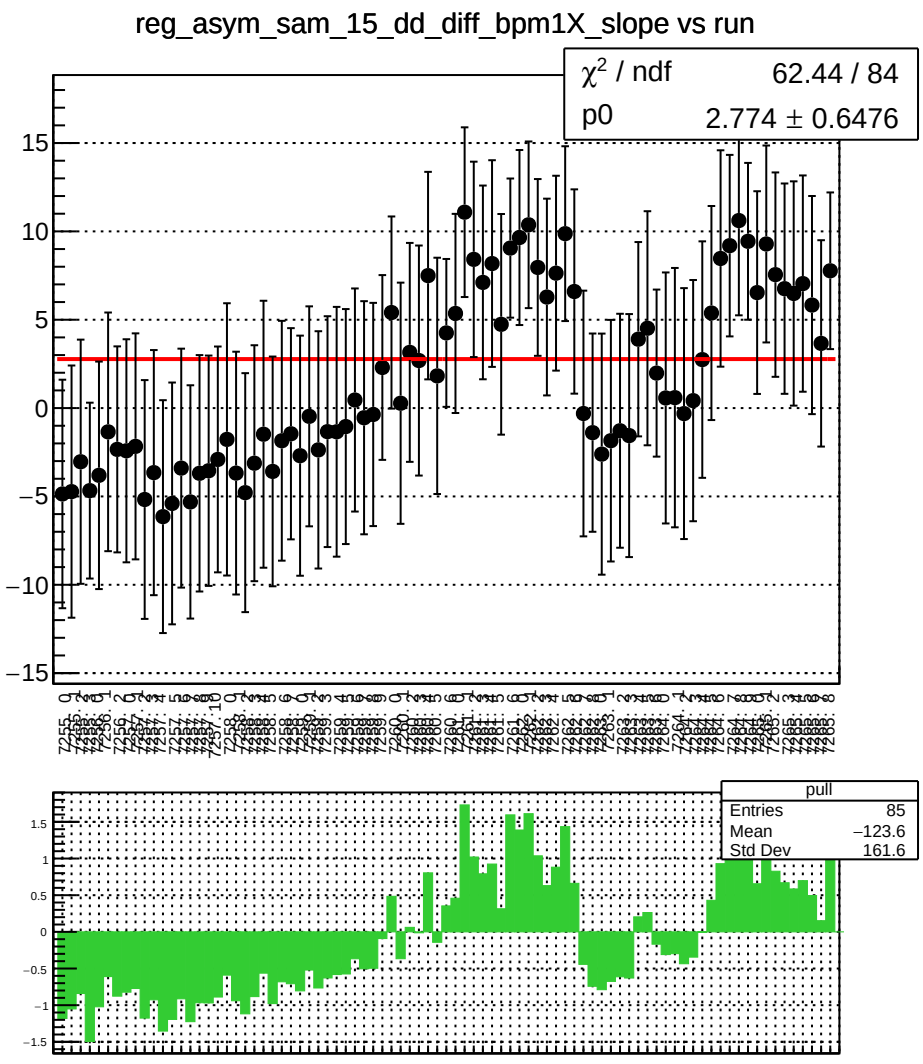

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 467.2 / 84
p0 −8.833 ± 0.3293
pull
Entries 85
Mean −141.8
Std Dev 179.7
pull1D
Entries 85
Mean 0.1937
Std Dev 2.336

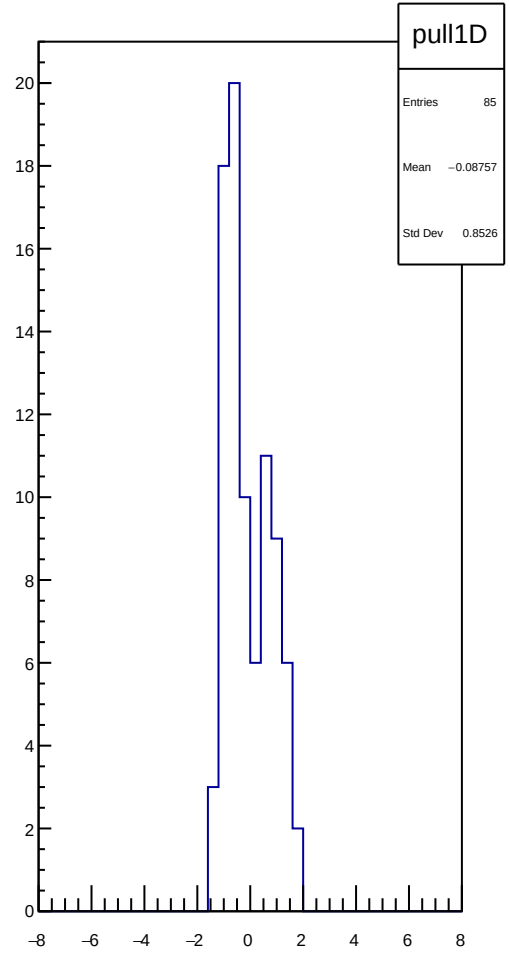

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 172.9 / 84
p0 2.418 ± 0.2918
pull
Entries 85
Mean 1463
Std Dev 1422
pull1D
Entries 85
Mean 0.01369
Std Dev 1.426

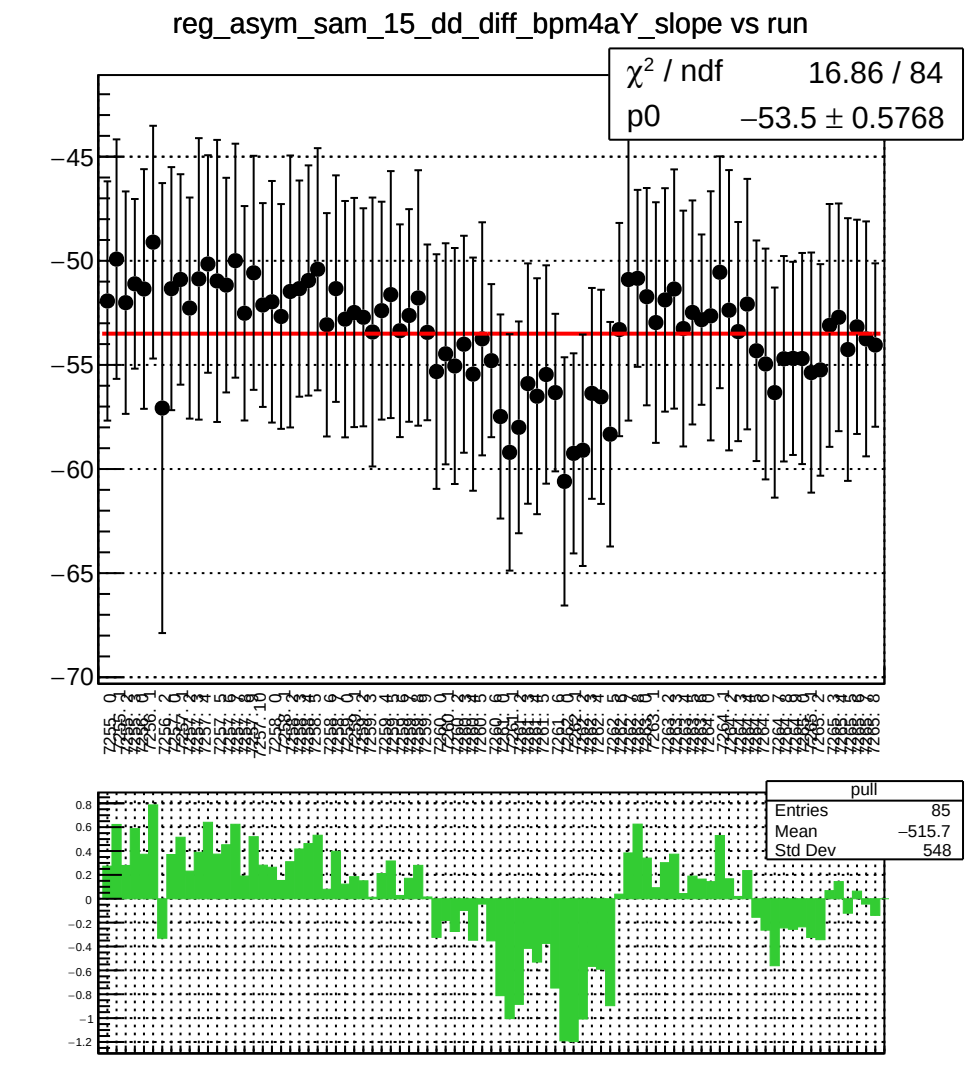

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 450.2 / 84
p0 2.758 ± 0.3573
pull
Entries 85
Mean −130.6
Std Dev 168.4
pull1D
Entries 85
Mean −0.2012
Std Dev 2.293

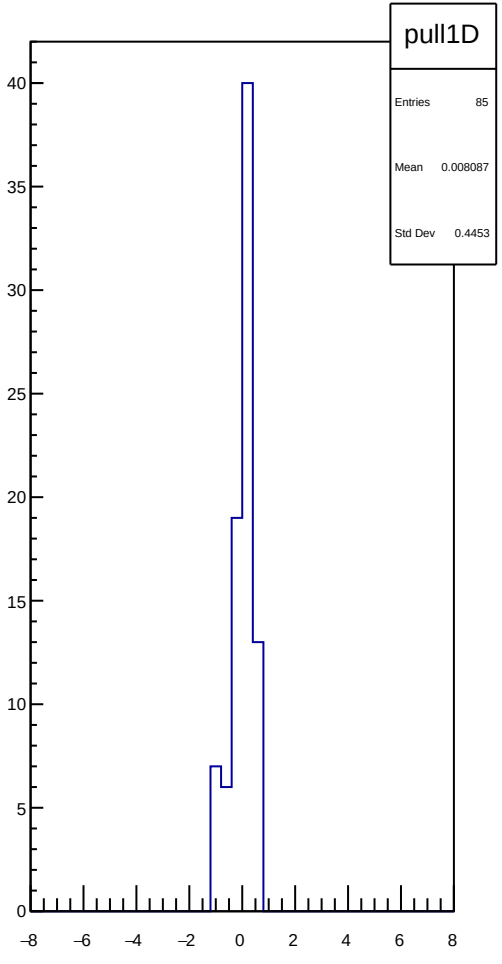

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 103.4 / 84
p0 46.73 ± 0.3074
pull
Entries 85
Mean −4.887e+04
Std Dev 4.892e+04
pull1D
Entries 85
Mean 0.0002797
Std Dev 1.103

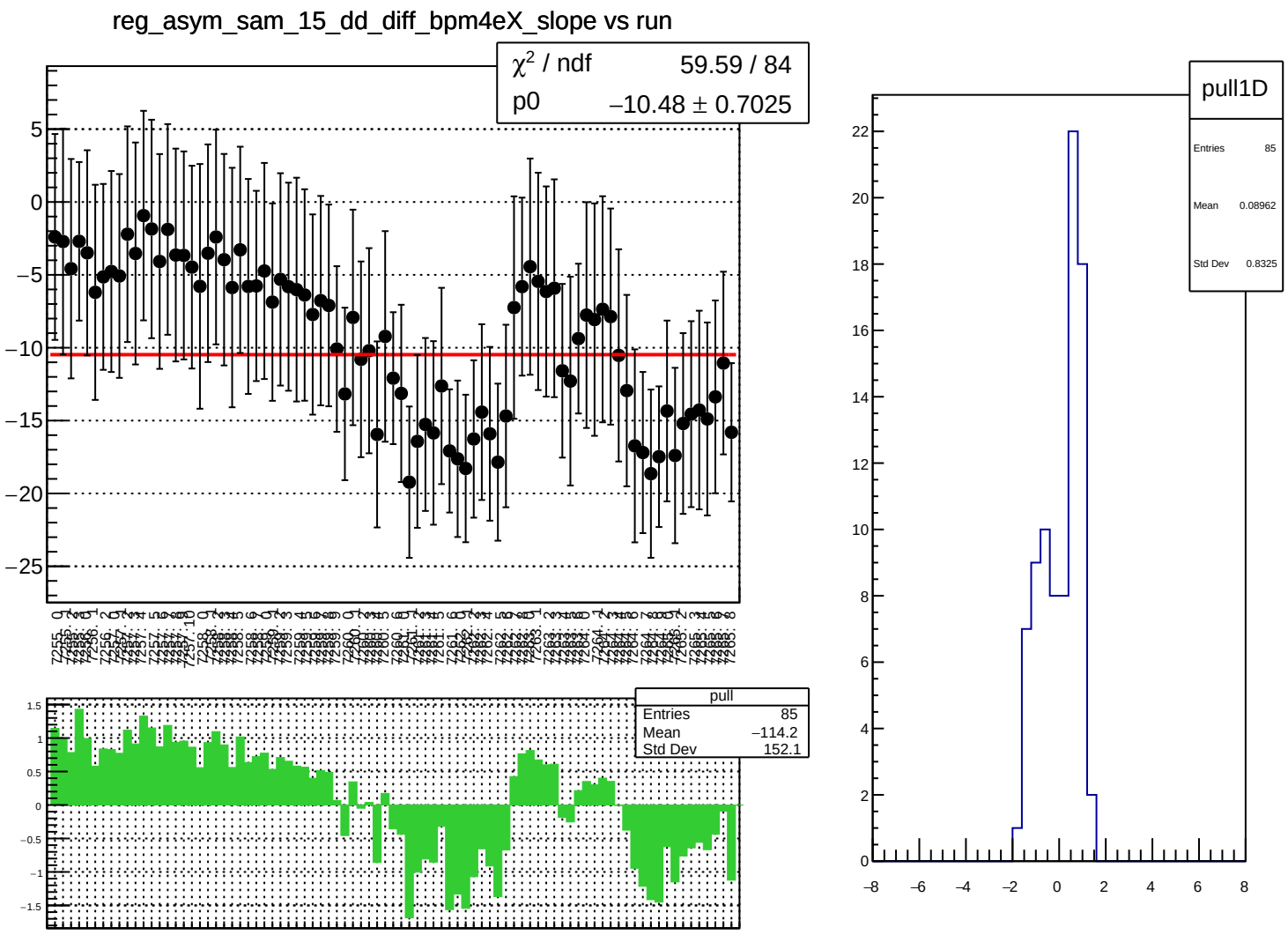

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 29.99 / 84
p0 0.03506 ± 0.01295
pull
Entries 85
Mean 594.1
Std Dev 553
pull1D
Entries 85
Mean −0.0194
Std Dev 0.5936

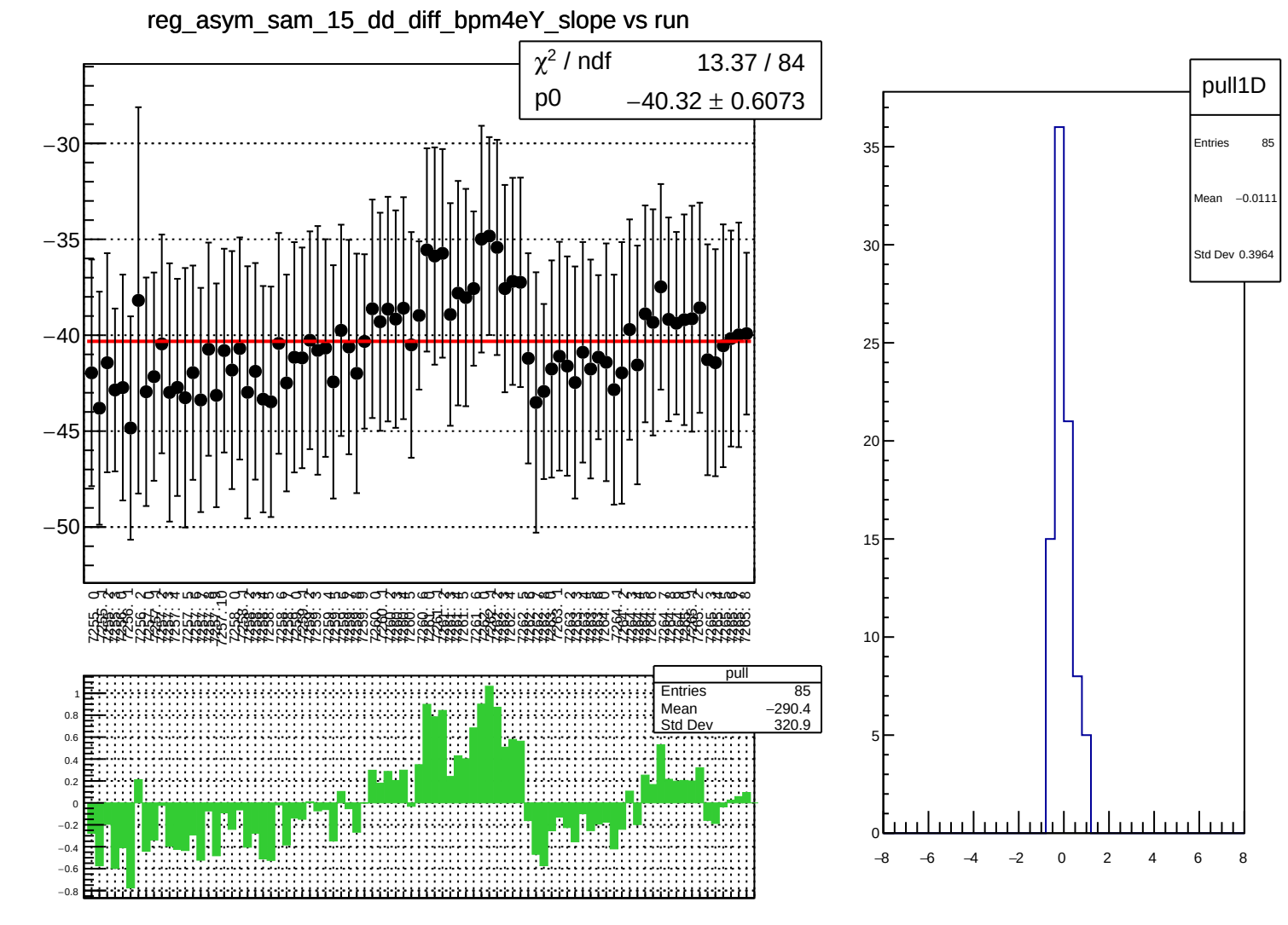

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 62.44 / 84
p0 2.774 ± 0.6476
pull
Entries 85
Mean −123.6
Std Dev 161.6

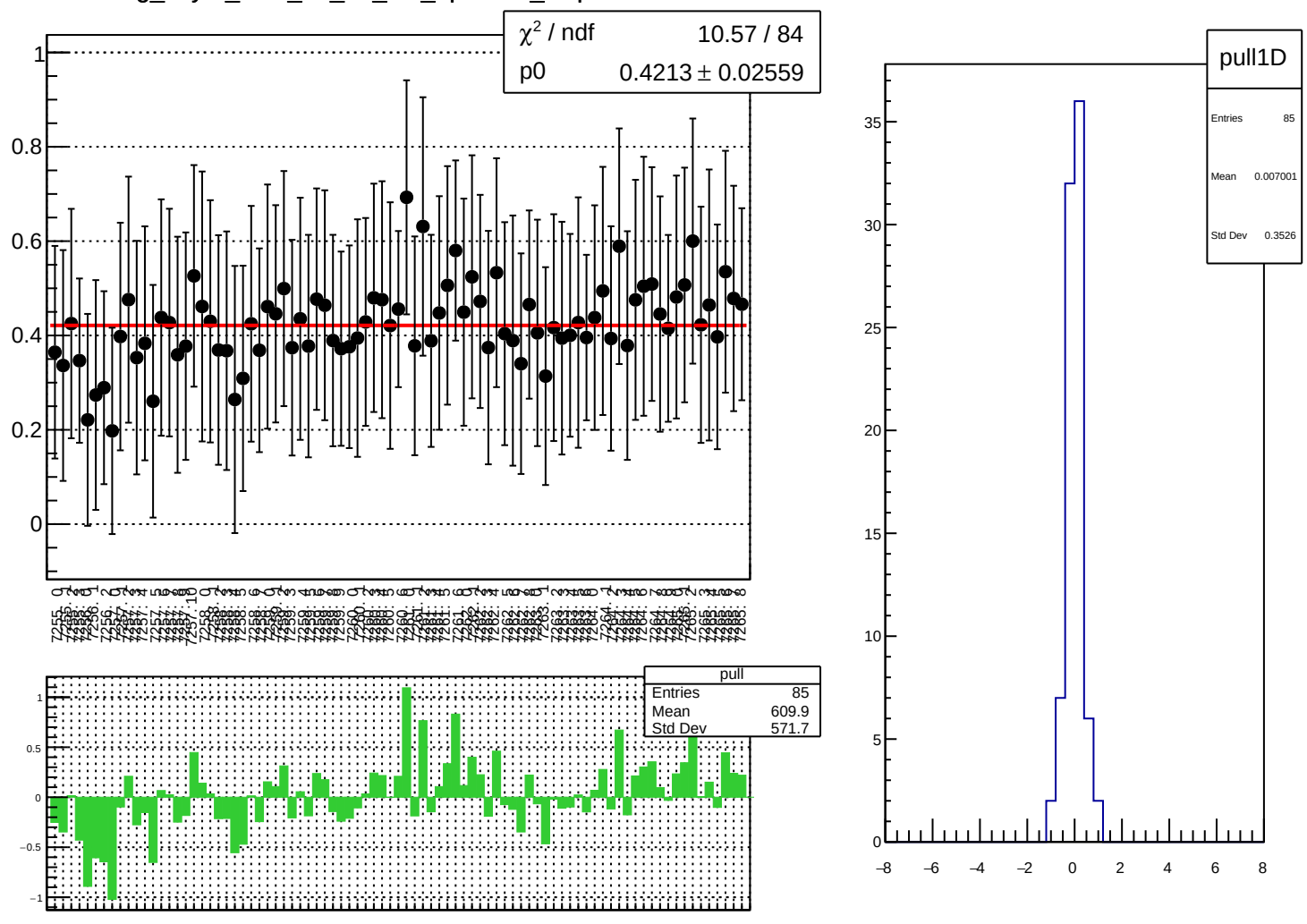

pull1D
Entries 85
Mean −0.08757
Std Dev 0.8526

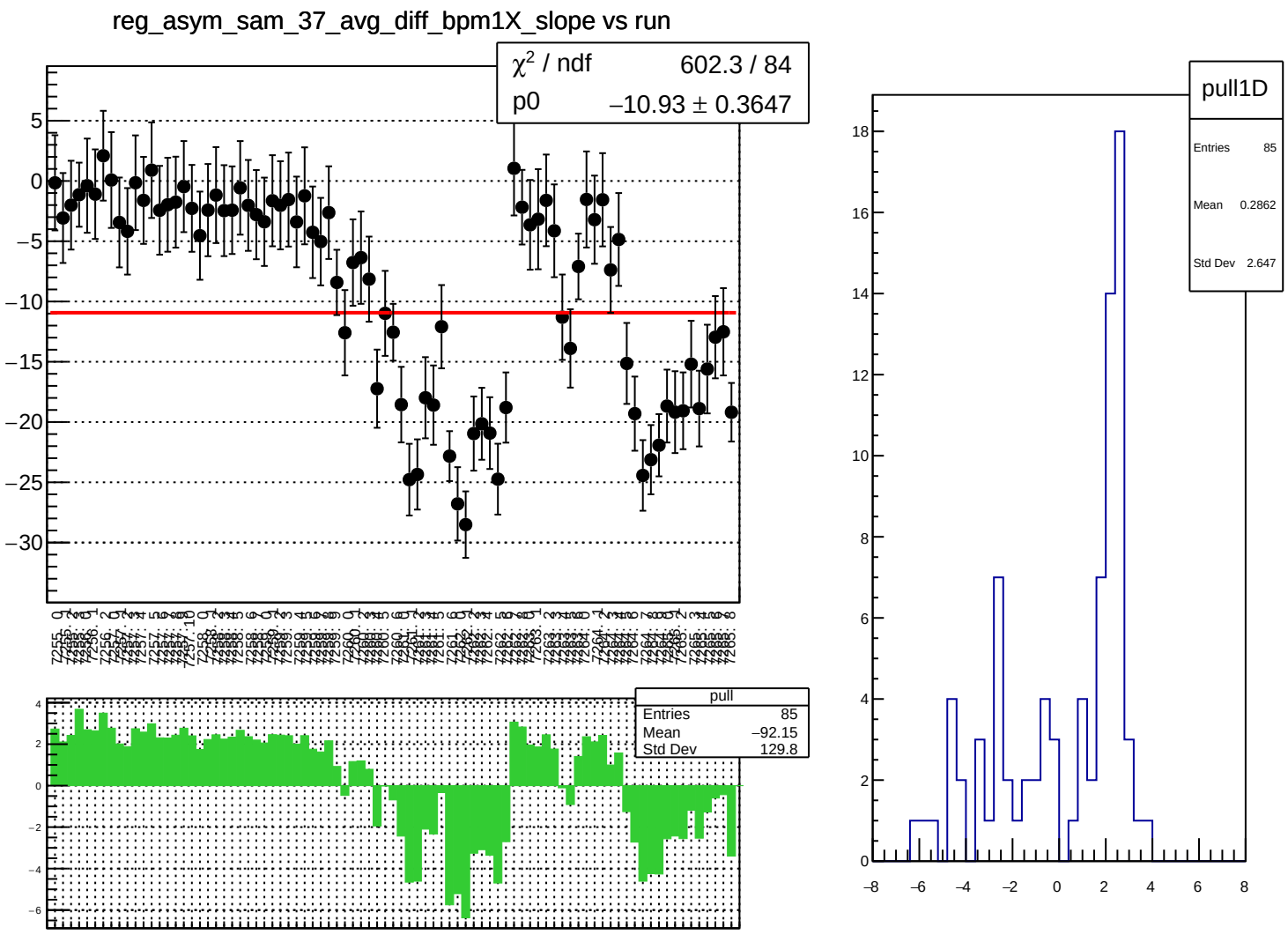

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.86 / 84
p0 −53.5 ± 0.5768
pull
Entries 85
Mean −515.7
Std Dev 548

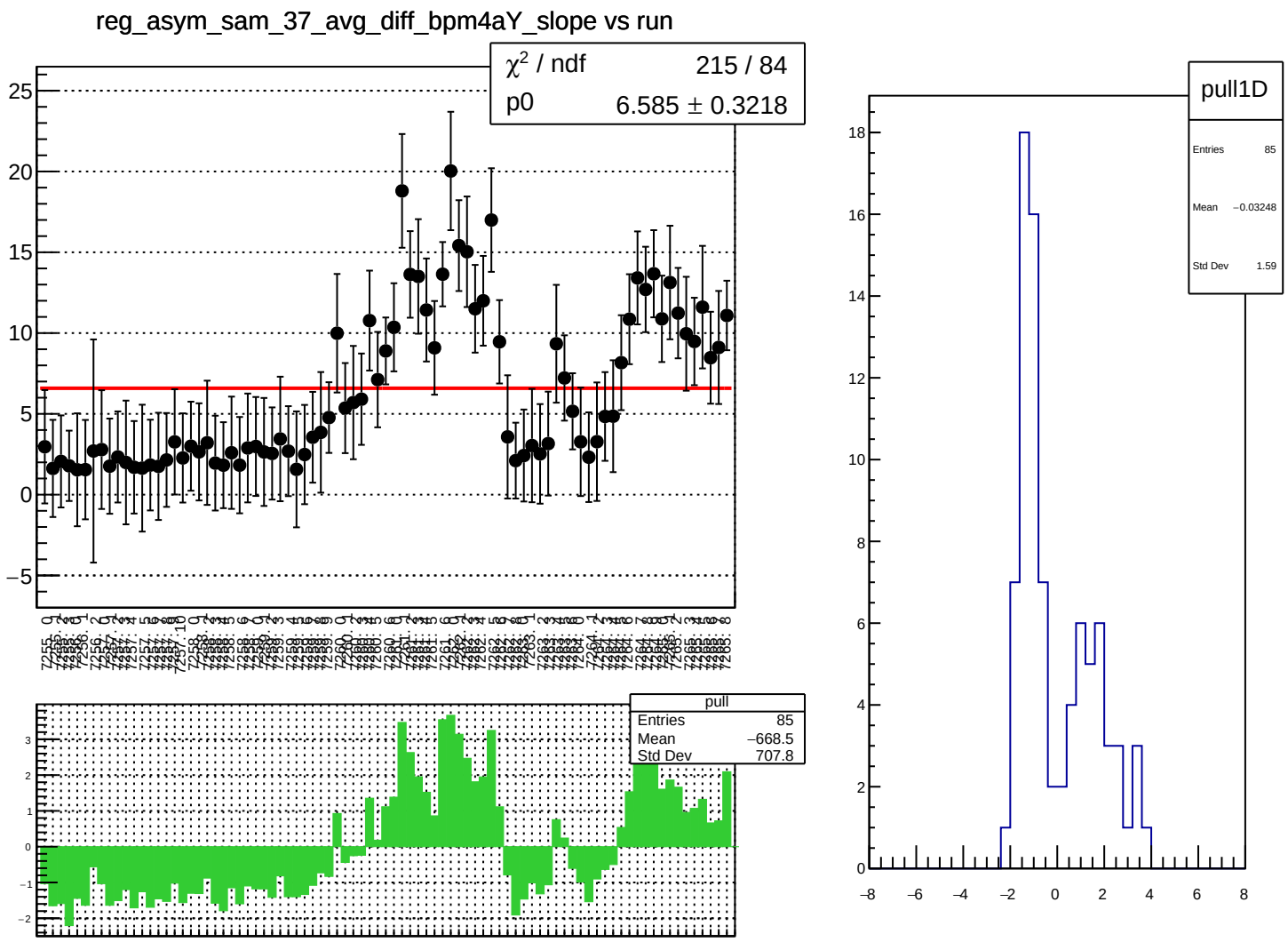

pull1D
Entries 85
Mean 0.008087
Std Dev 0.4453

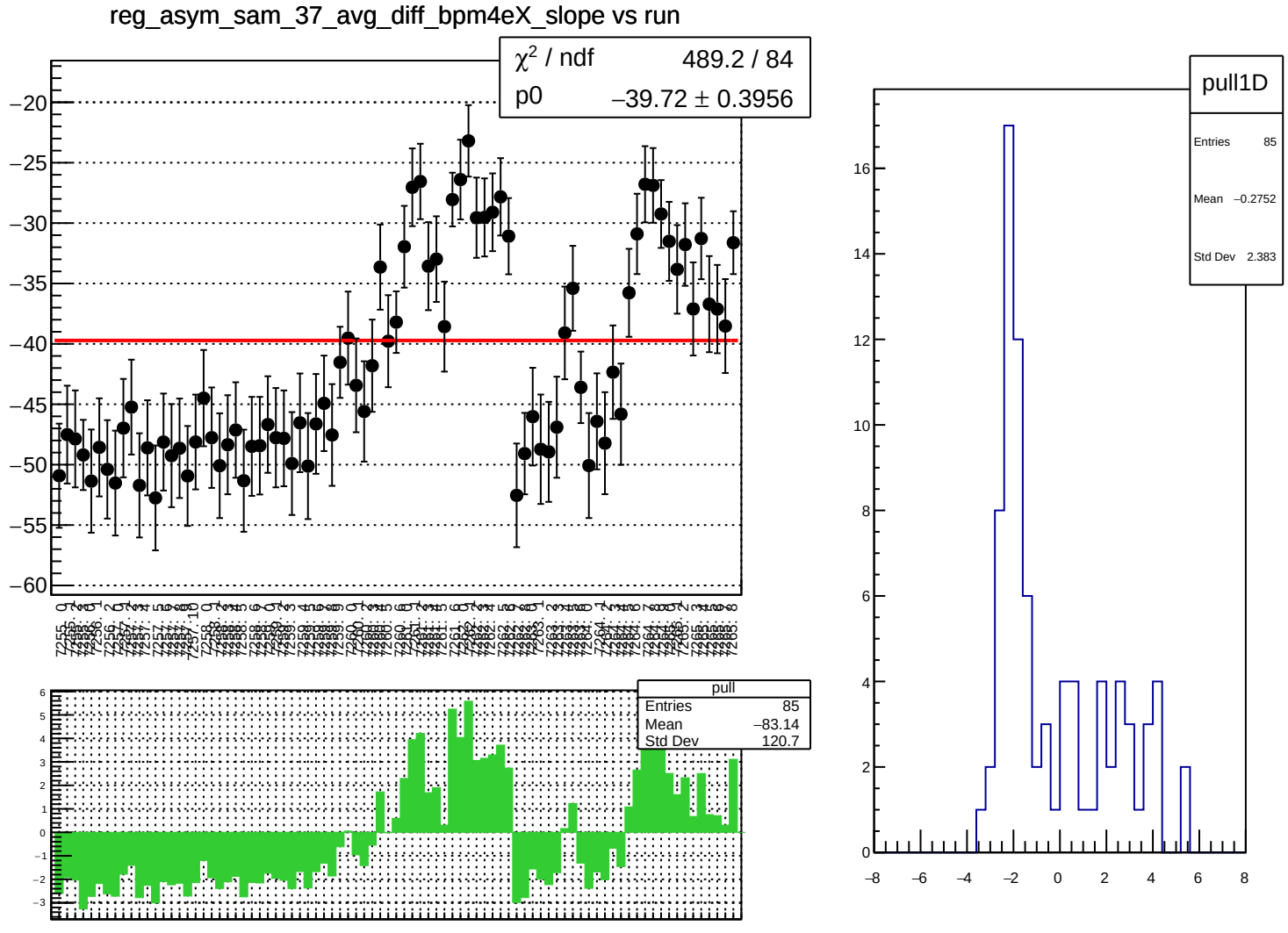

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.59 / 84
p0 −10.48 ± 0.7025
pull
Entries 85
Mean −114.2
Std Dev 152.1
pull1D
Entries 85
Mean 0.08962
Std Dev 0.8325

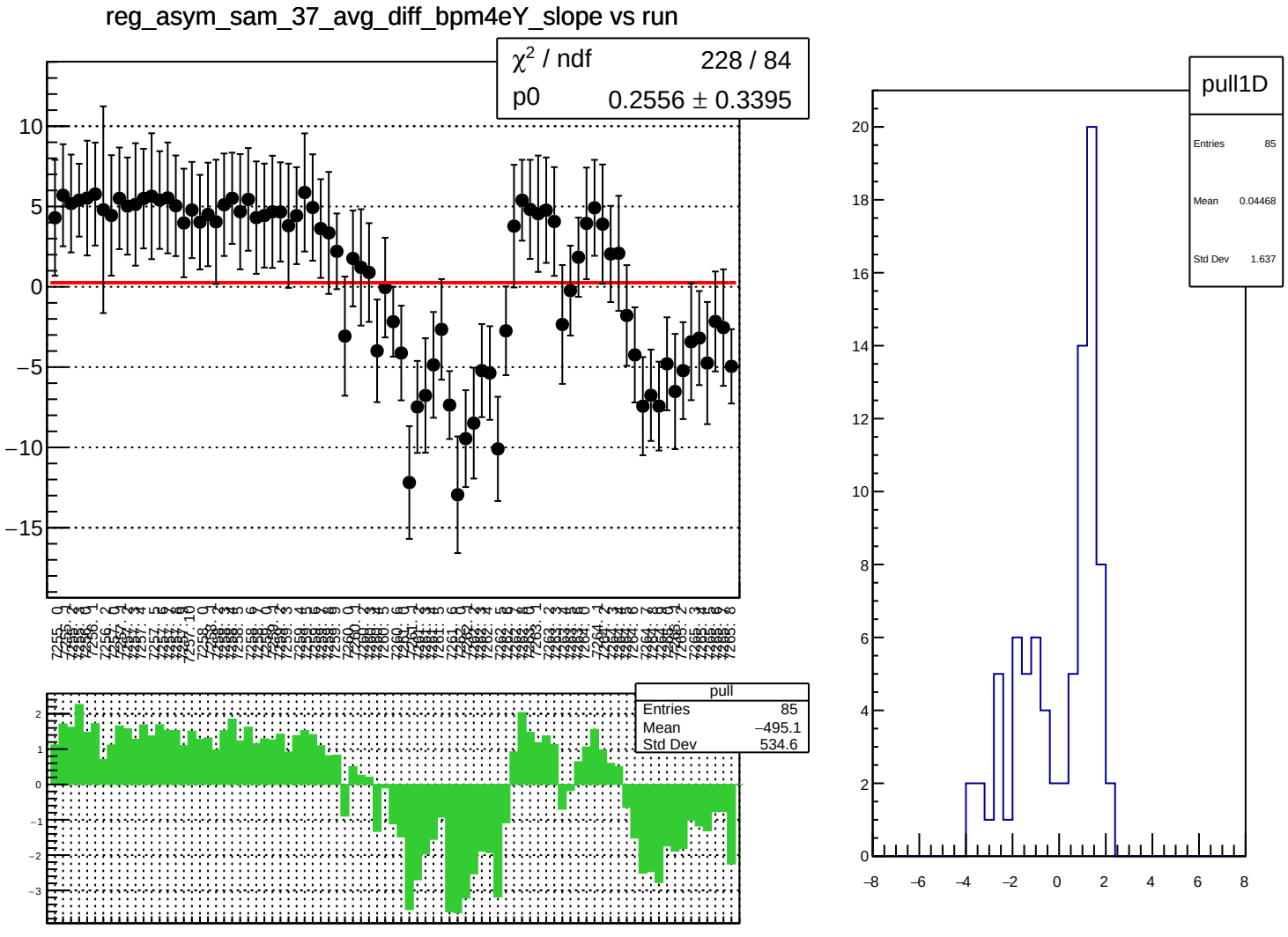

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.37 / 84
p0 −40.32 ± 0.6073
pull
Entries 85
Mean −290.4
Std Dev 320.9
pull1D
Entries 85
Mean −0.0111
Std Dev 0.3964

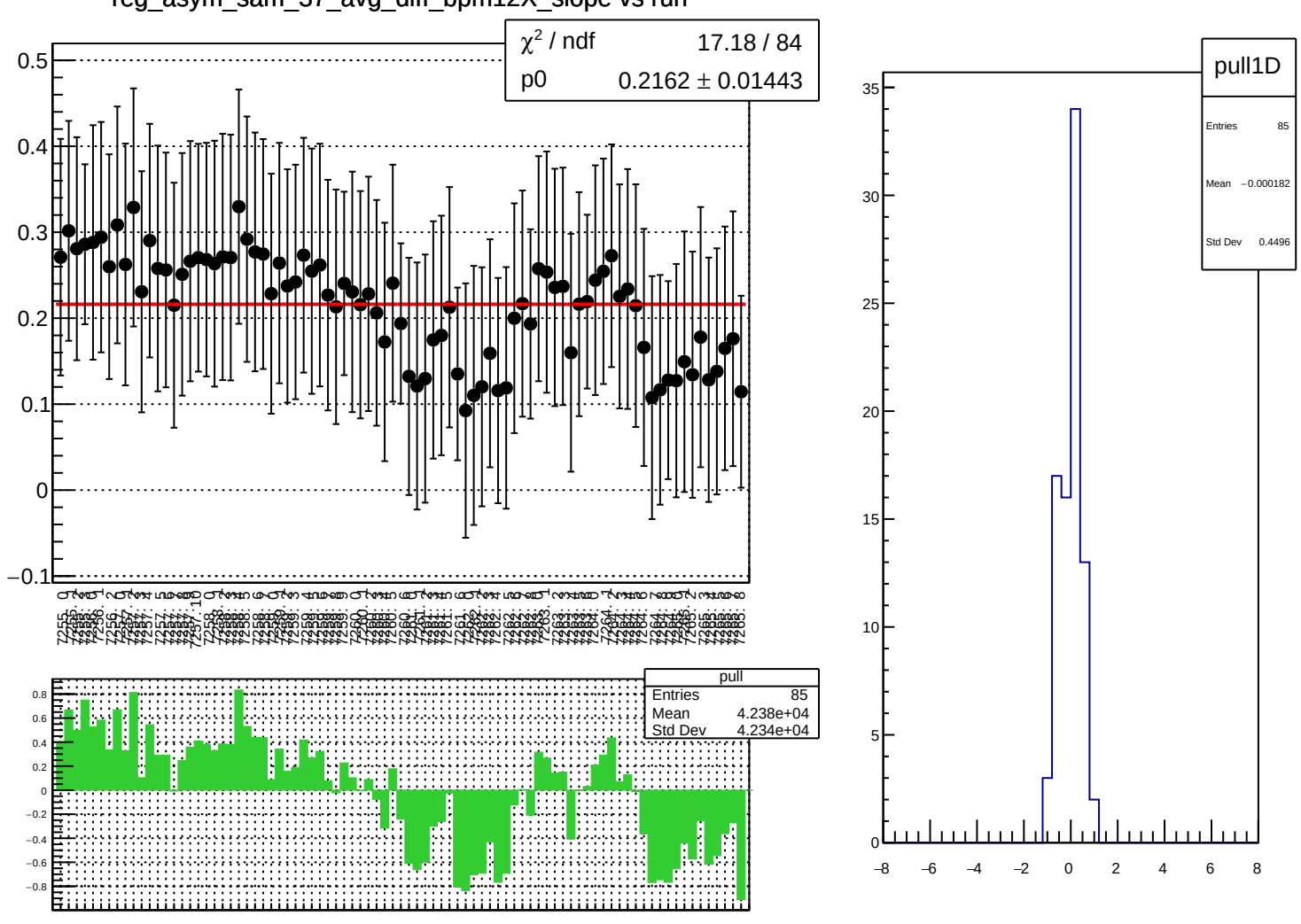

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 10.57 / 84
p0 0.4213 ± 0.02559
pull
Entries 85
Mean 609.9
Std Dev 571.7
pull1D
Entries 85
Mean 0.007001
Std Dev 0.3526

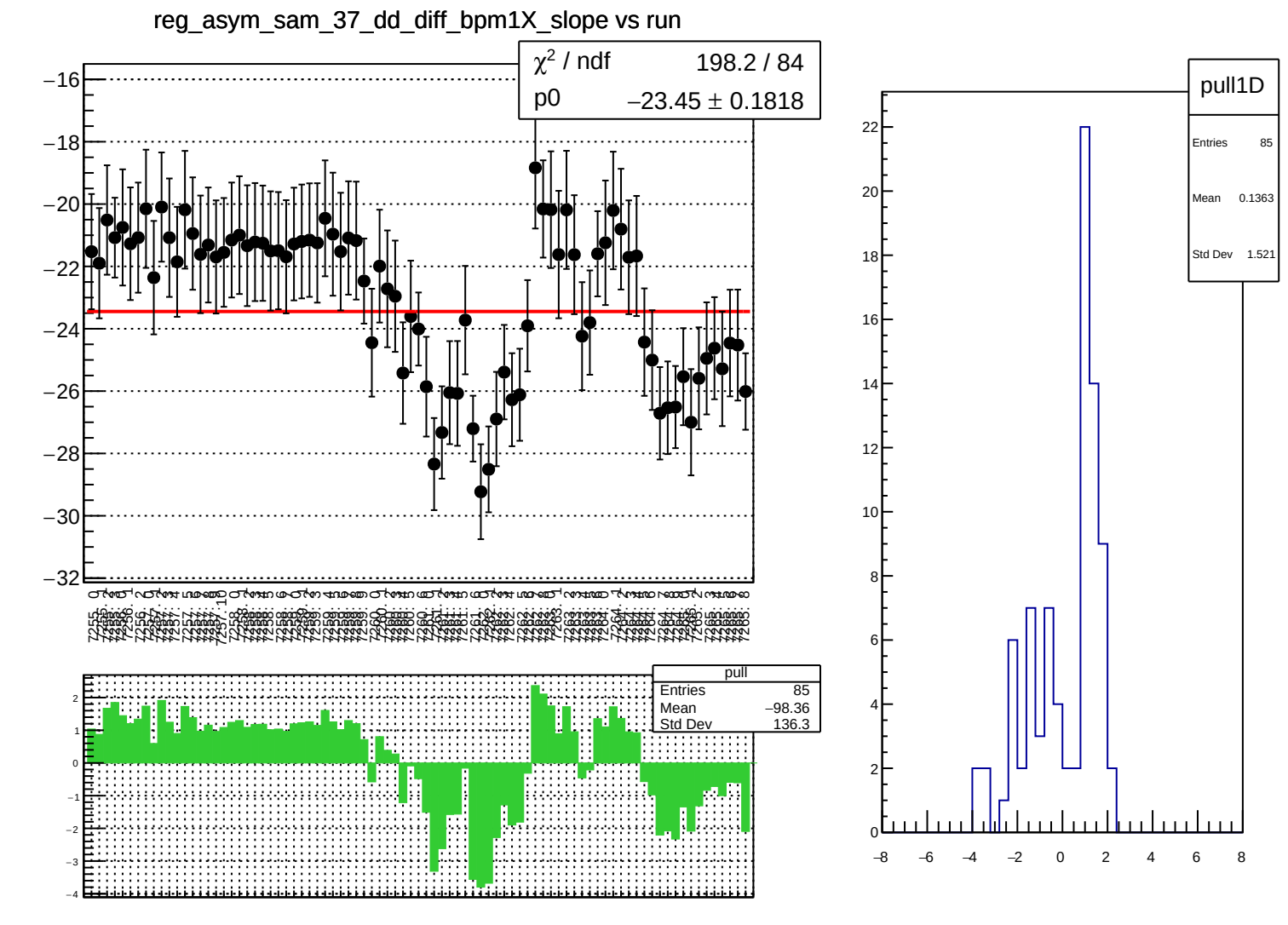

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 602.3 / 84
p0 −10.93 ± 0.3647
pull
Entries 85
Mean −92.15
Std Dev 129.8
pull1D
Entries 85
Mean 0.2862
Std Dev 2.647

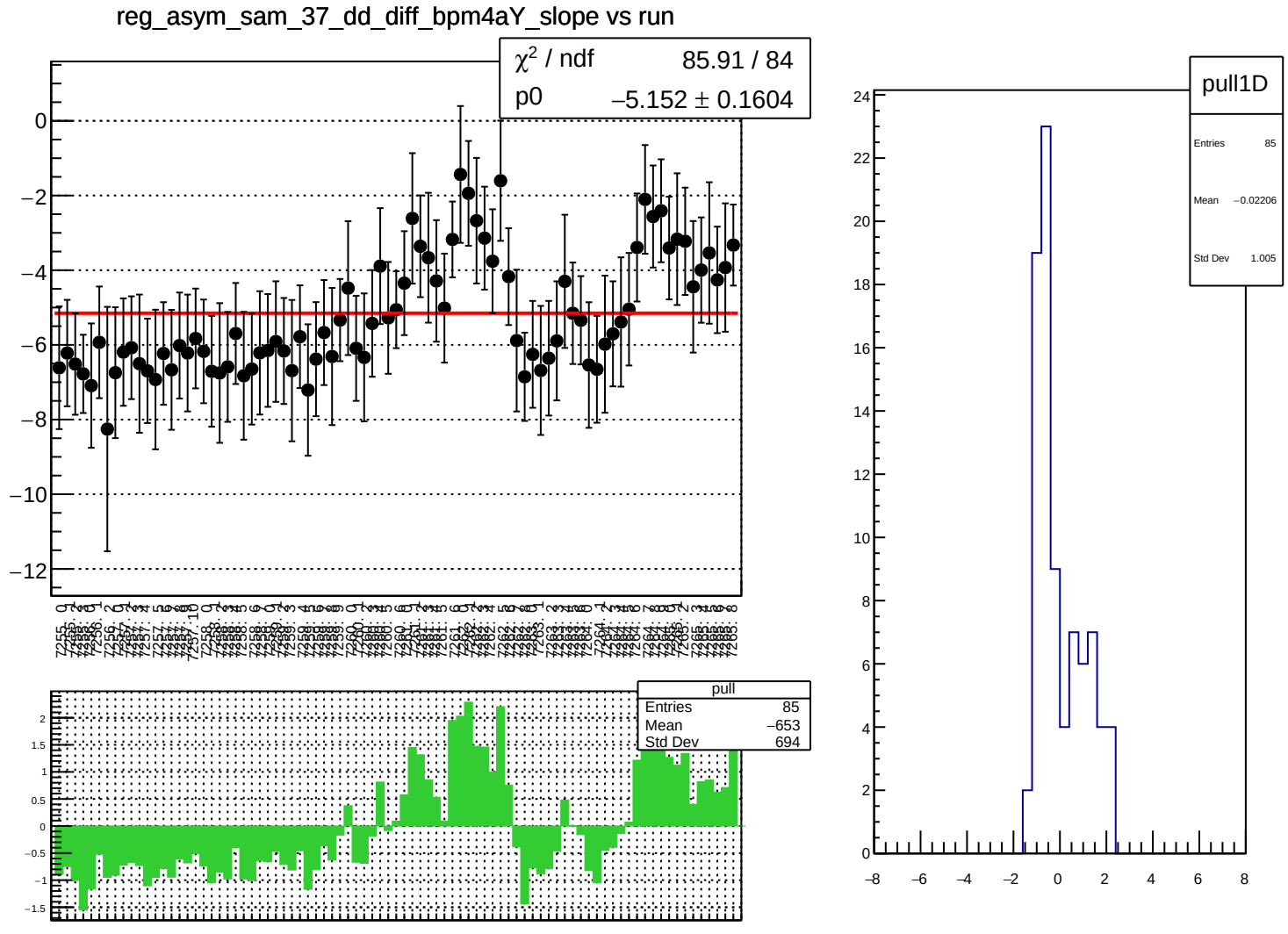

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 215 / 84
p0 6.585 ± 0.3218
pull
Entries 85
Mean −668.5
Std Dev 707.8
pull1D
Entries 85
Mean −0.03248
Std Dev 1.59

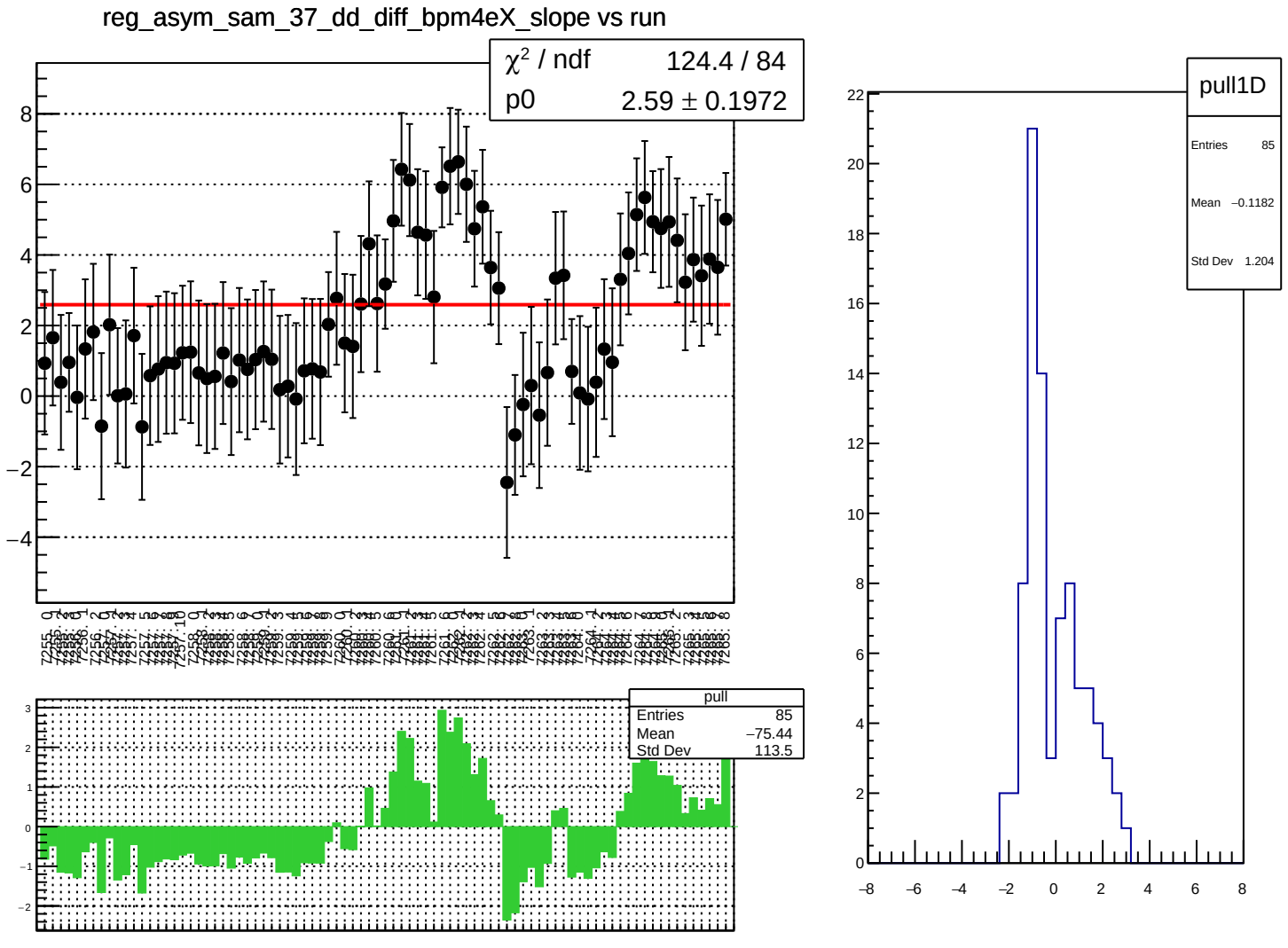

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 489.2 / 84
p0 −39.72 ± 0.3956
pull
Entries 85
Mean −83.14
Std Dev 120.7
pull1D
Entries 85
Mean −0.2752
Std Dev 2.383

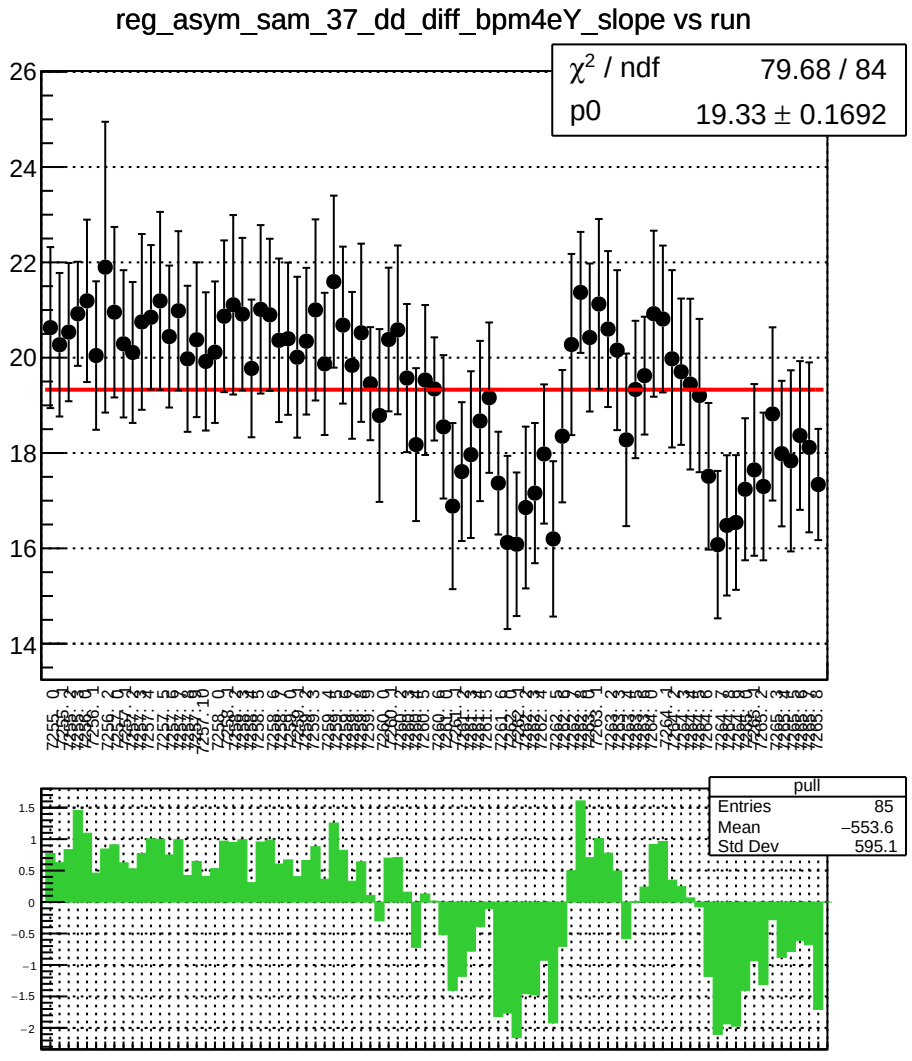

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 228 / 84
p0 0.2556 ± 0.3395
pull
Entries 85
Mean −495.1
Std Dev 534.6
pull1D
Entries 85
Mean 0.04468
Std Dev 1.637

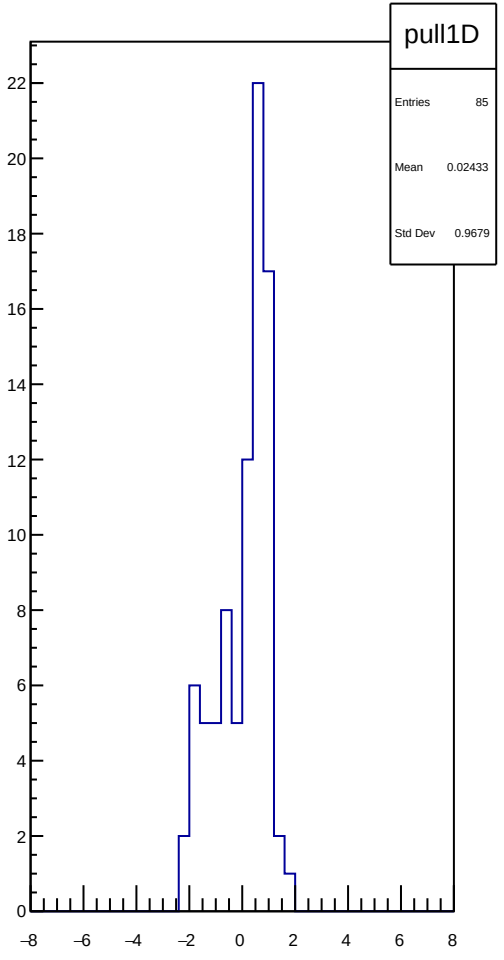

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 17.18 / 84
p0 0.2162 ± 0.01443
pull
Entries 85
Mean 4.238e+04
Std Dev 4.234e+04
pull1D
Entries 85
Mean −0.000182
Std Dev 0.4496

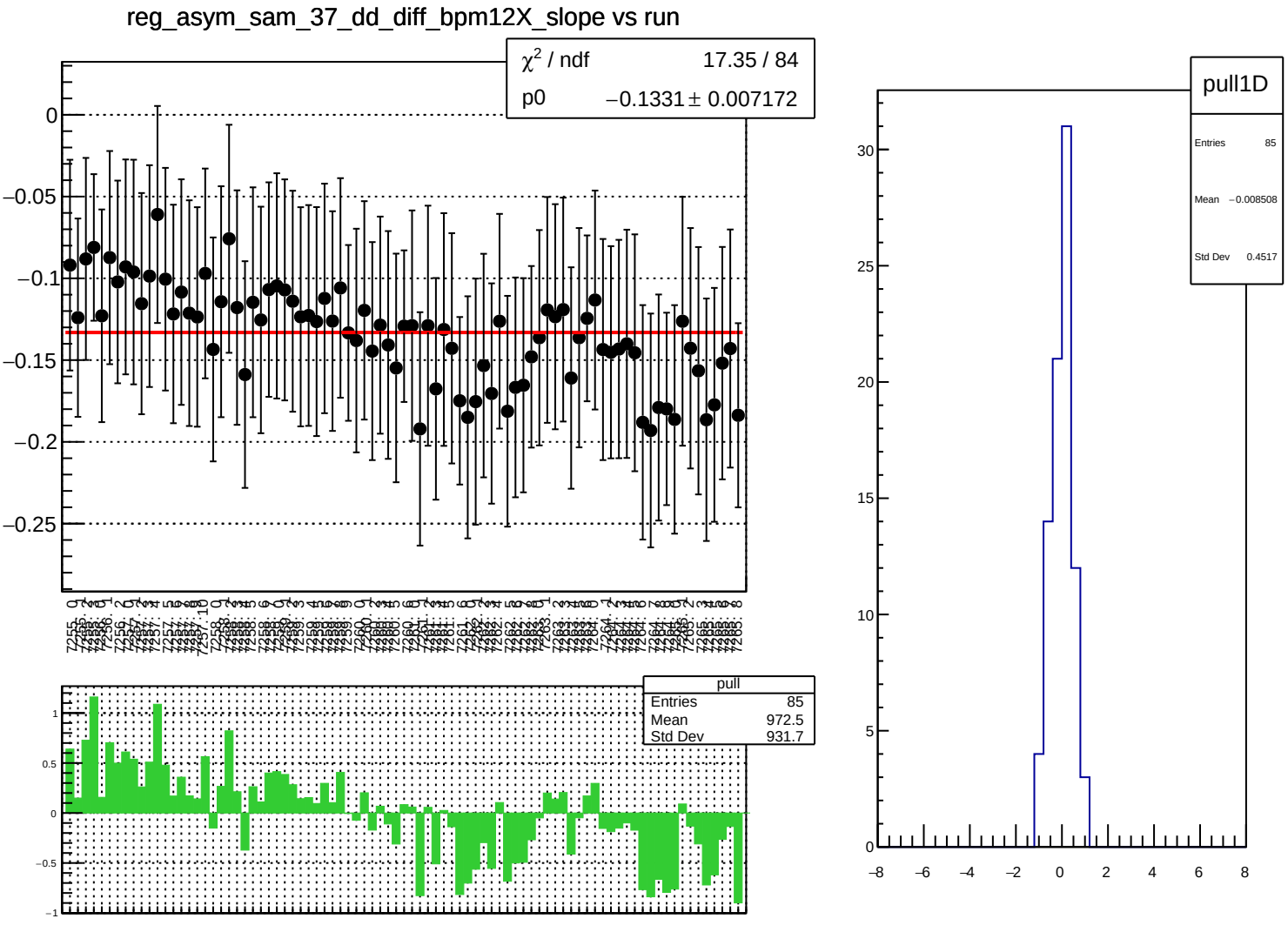

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 198.2 / 84
p0 −23.45 ± 0.1818
pull
Entries 85
Mean −98.36
Std Dev 136.3
pull1D
Entries 85
Mean 0.1363
Std Dev 1.521

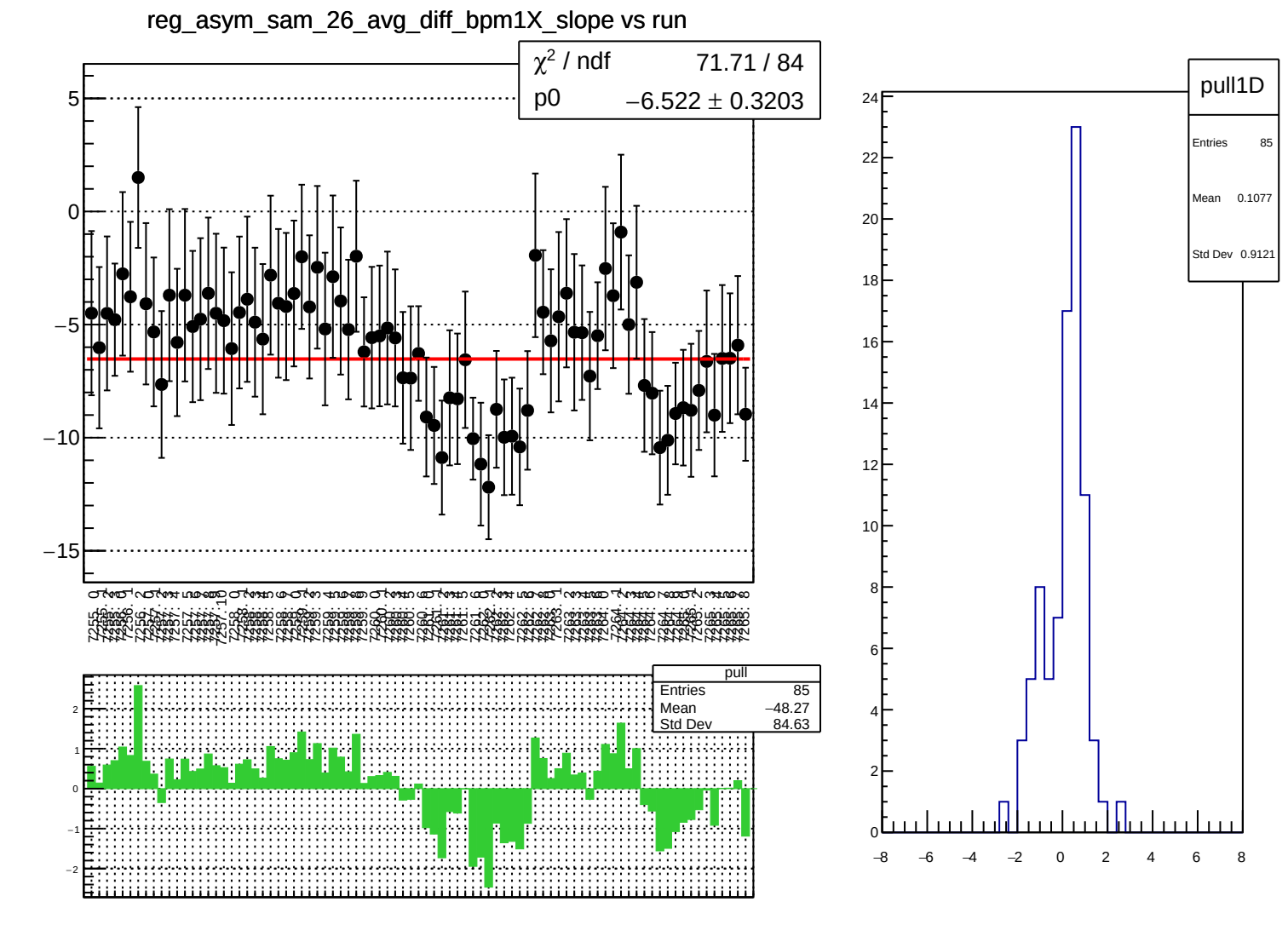

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 85.91 / 84
p0 −5.152 ± 0.1604
pull
Entries 85
Mean −653
Std Dev 694
pull1D
Entries 85
Mean −0.02206
Std Dev 1.005

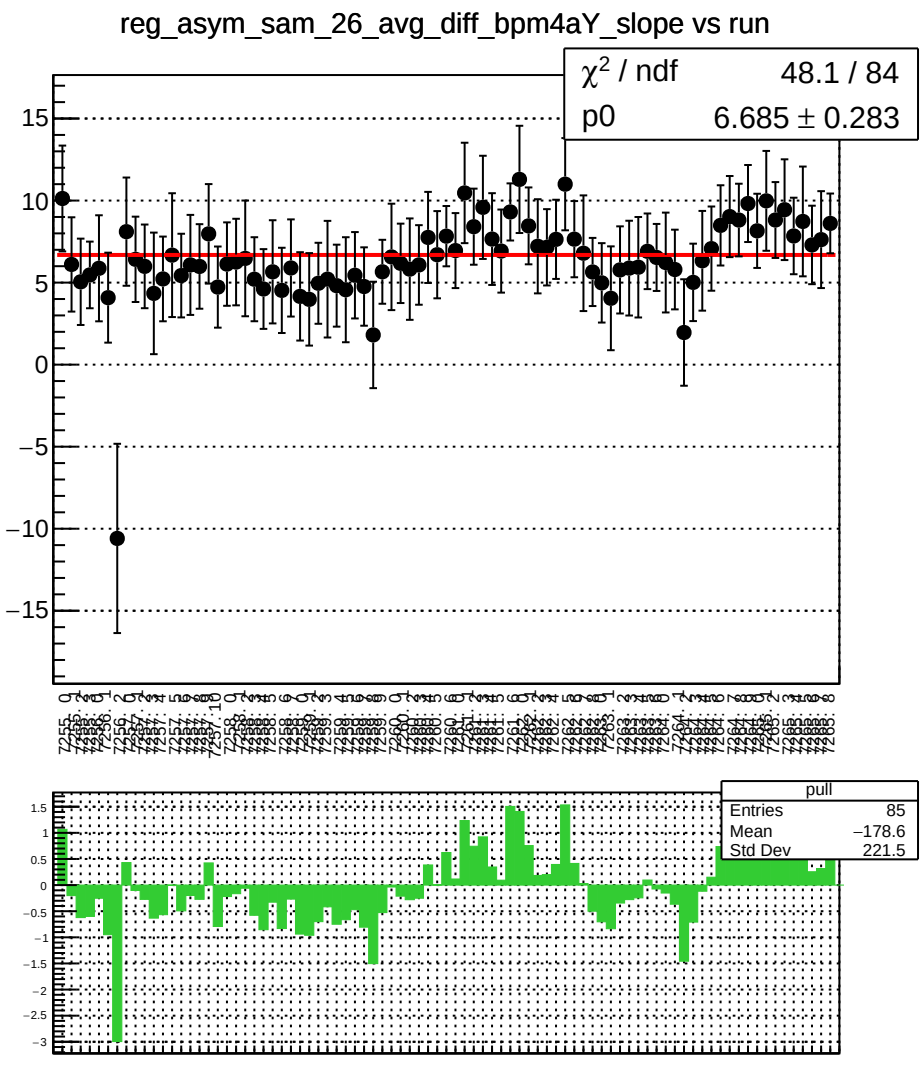

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 124.4 / 84
p0 2.59 ± 0.1972
pull
Entries 85
Mean −75.44
Std Dev 113.5
pull1D
Entries 85
Mean −0.1182
Std Dev 1.204

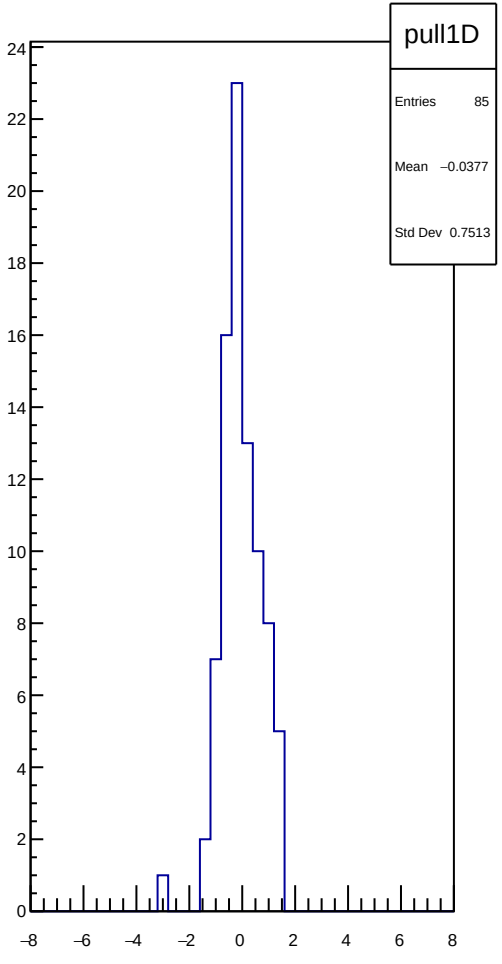

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.68 / 84
p0 19.33 ± 0.1692
pull
Entries 85
Mean −553.6
Std Dev 595.1

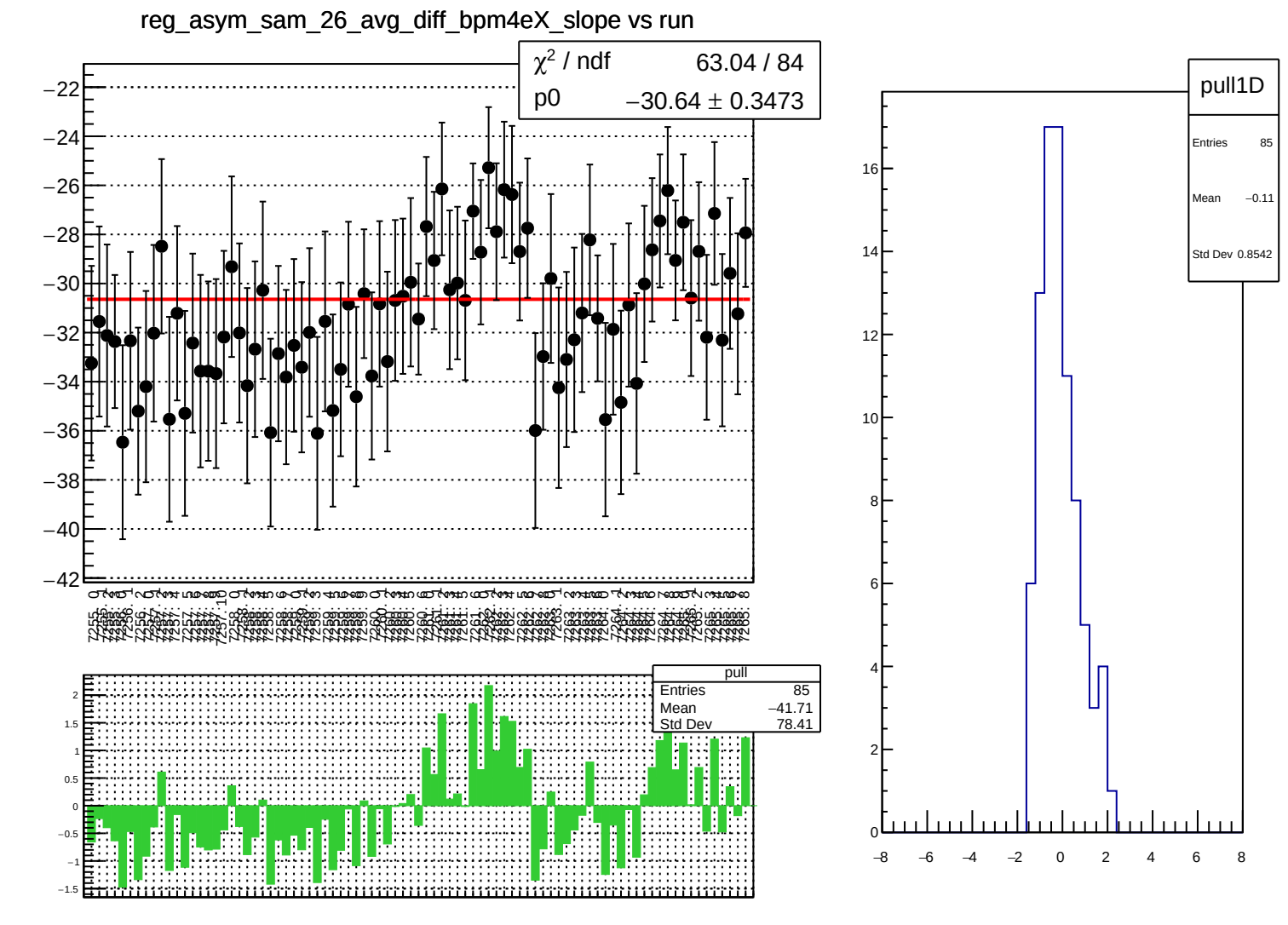

pull1D
Entries 85
Mean 0.02433
Std Dev 0.9679

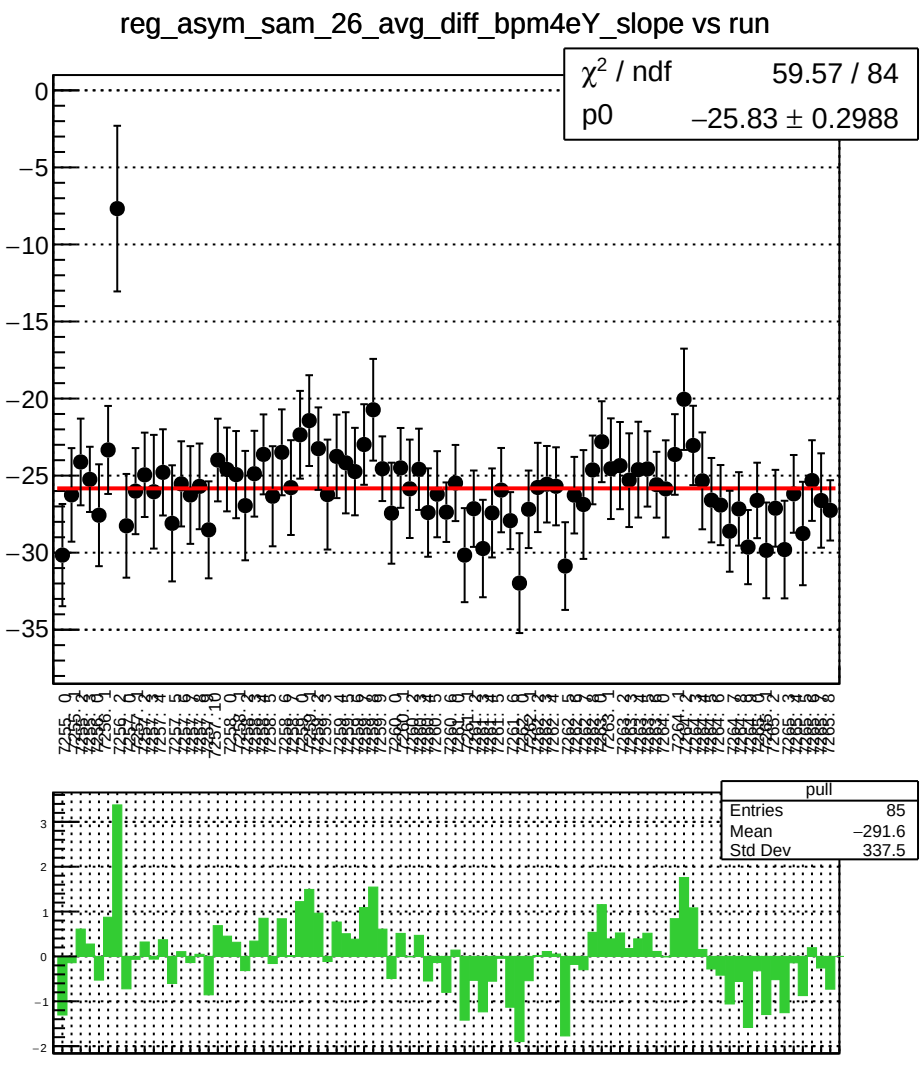

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 17.35 / 84
p0 −0.1331 ± 0.007172
pull
Entries 85
Mean 972.5
Std Dev 931.7
pull1D
Entries 85
Mean −0.008508
Std Dev 0.4517

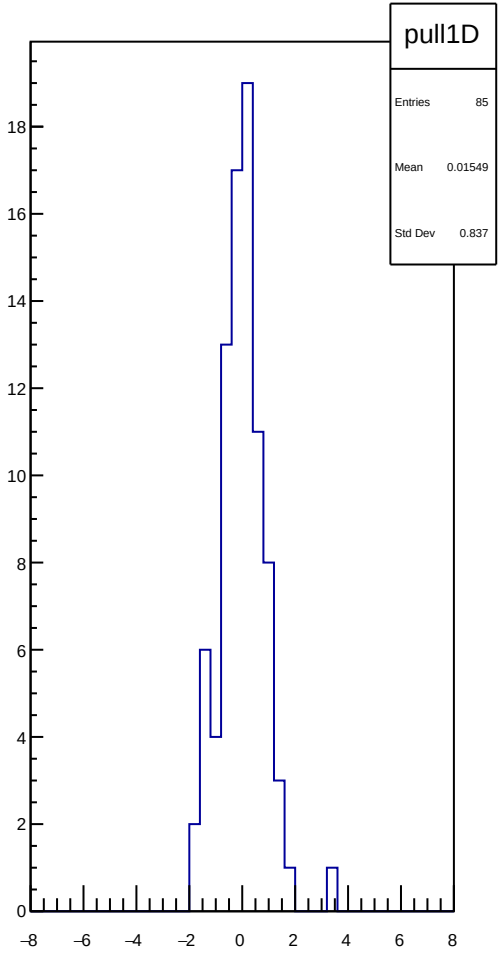

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 71.71 / 84
p0 −6.522 ± 0.3203
pull
Entries 85
Mean −48.27
Std Dev 84.63
pull1D
Entries 85
Mean 0.1077
Std Dev 0.9121

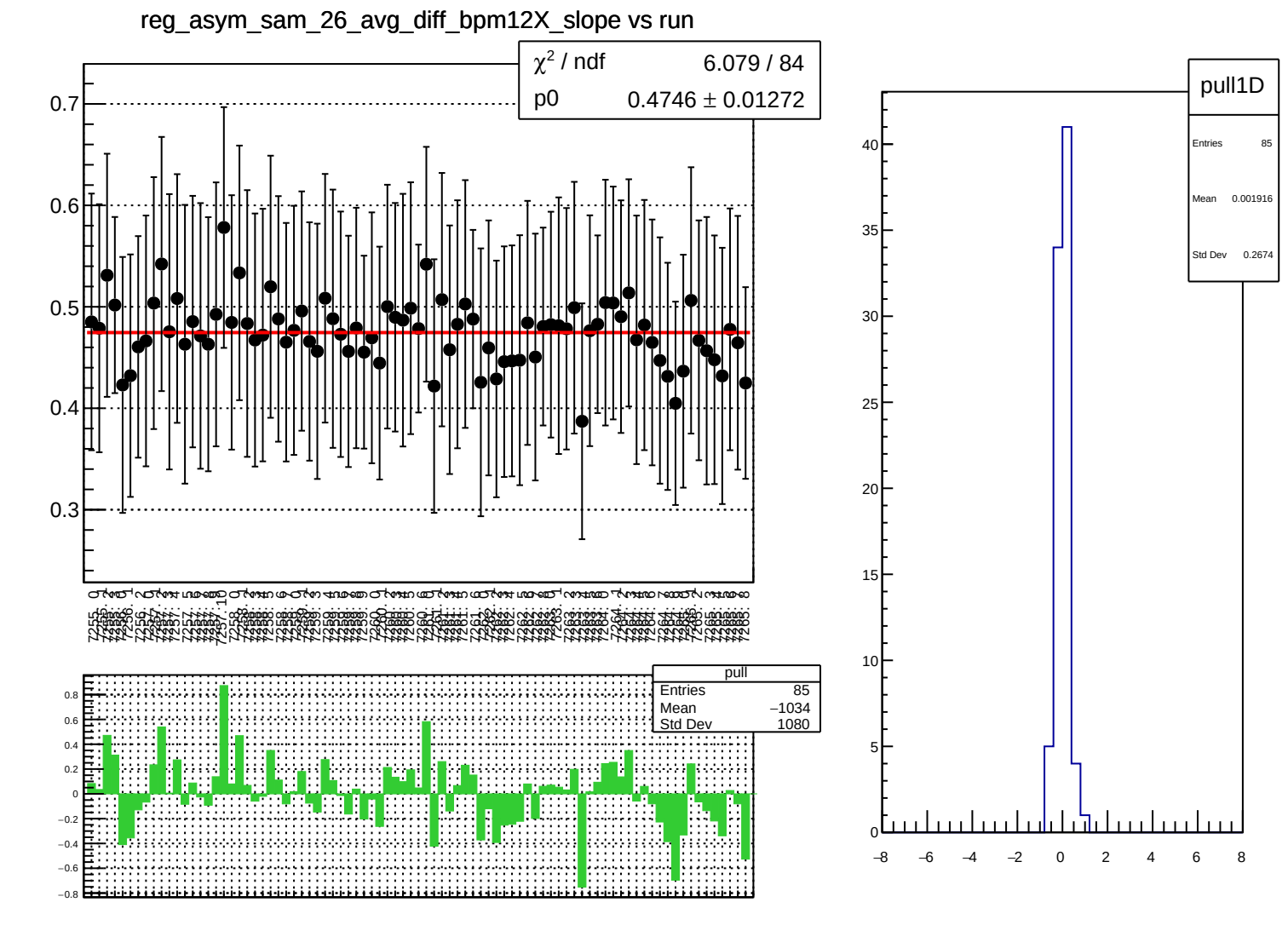

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.1 / 84
p0 6.685 ± 0.283
pull
Entries 85
Mean −178.6
Std Dev 221.5

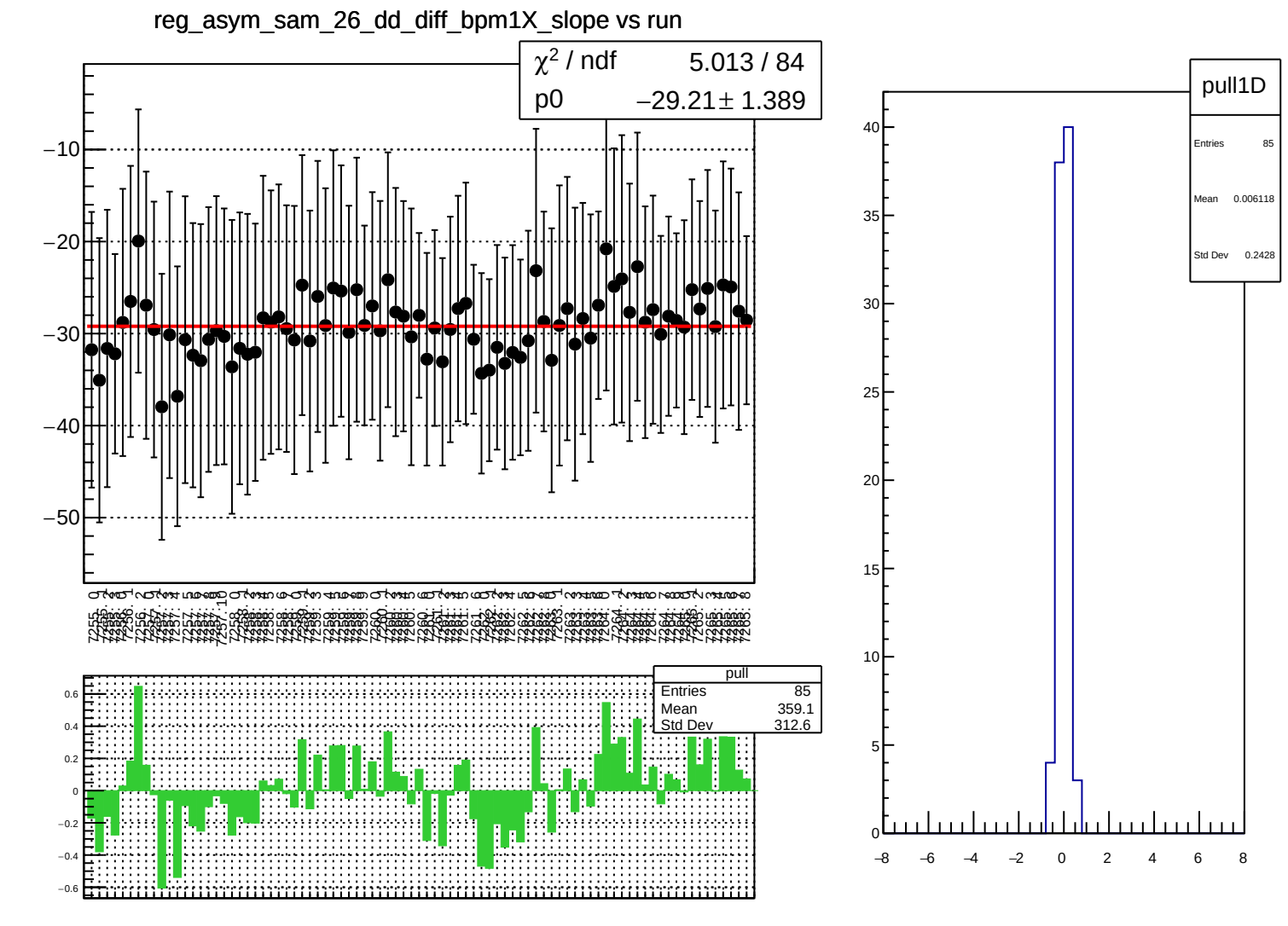

pull1D
Entries 85
Mean −0.0377
Std Dev 0.7513

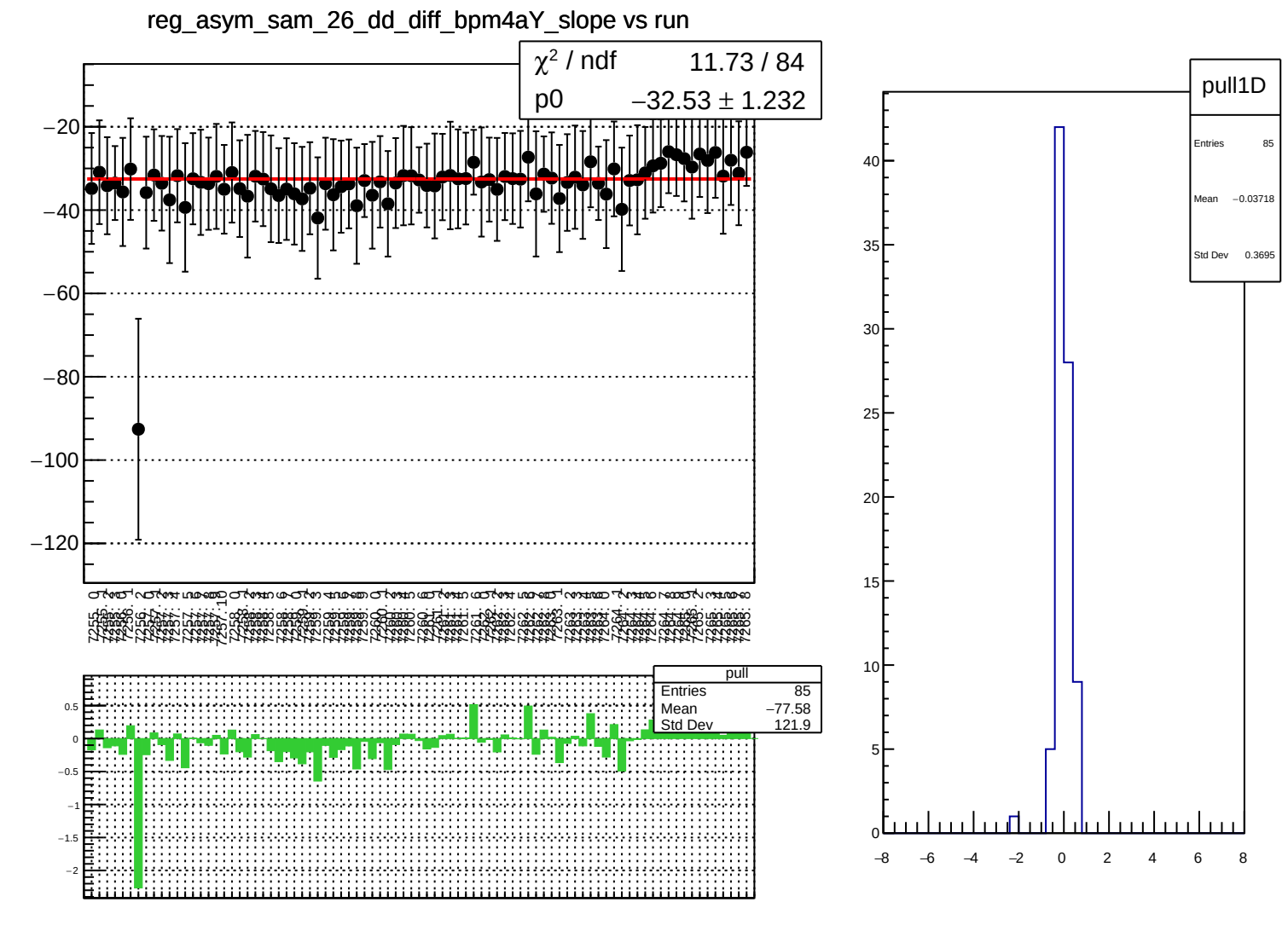

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 63.04 / 84
p0 −30.64 ± 0.3473
pull
Entries 85
Mean −41.71
Std Dev 78.41
pull1D
Entries 85
Mean −0.11
Std Dev 0.8542

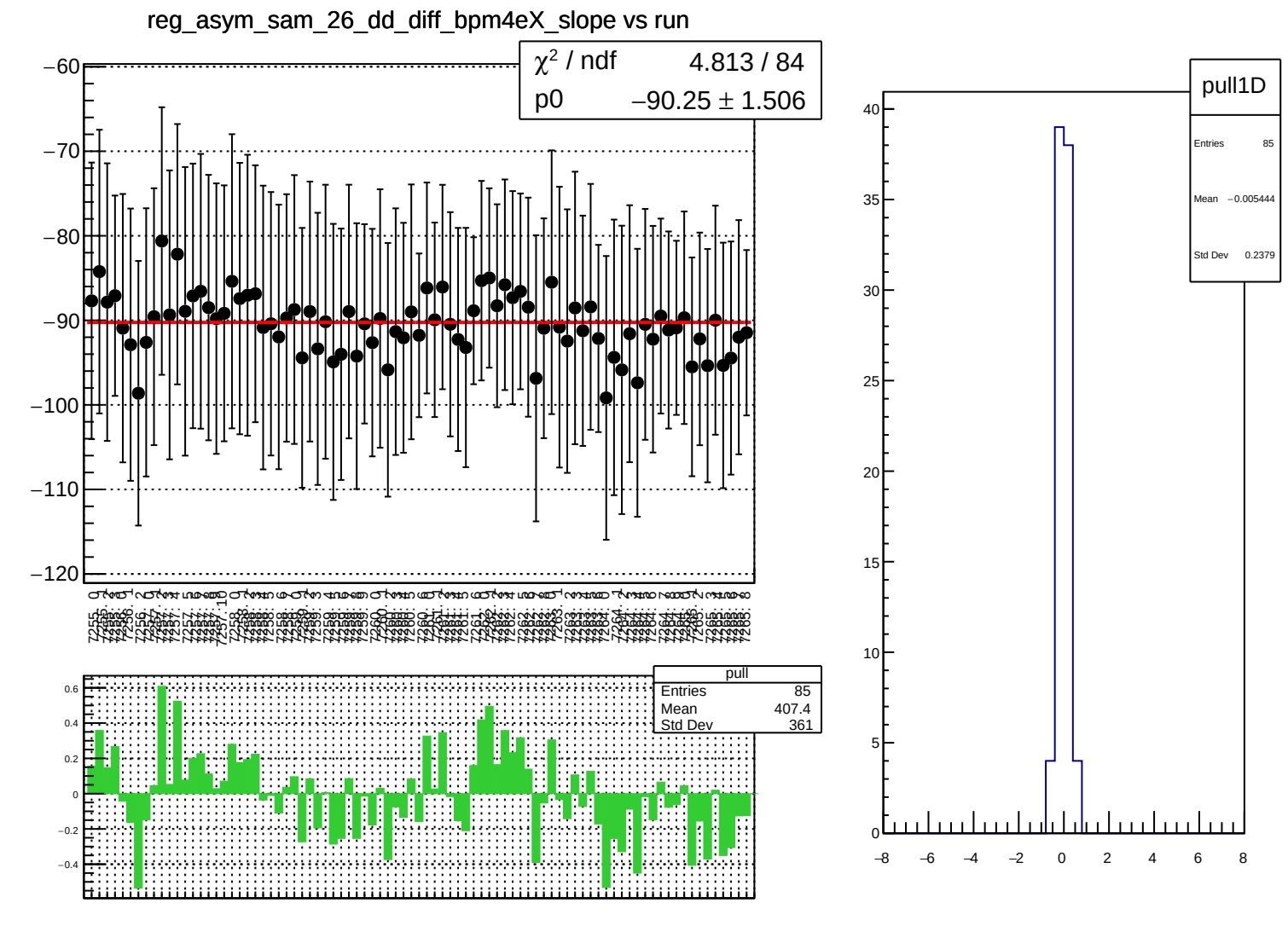

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.57 / 84
p0 −25.83 ± 0.2988
pull
Entries 85
Mean −291.6
Std Dev 337.5

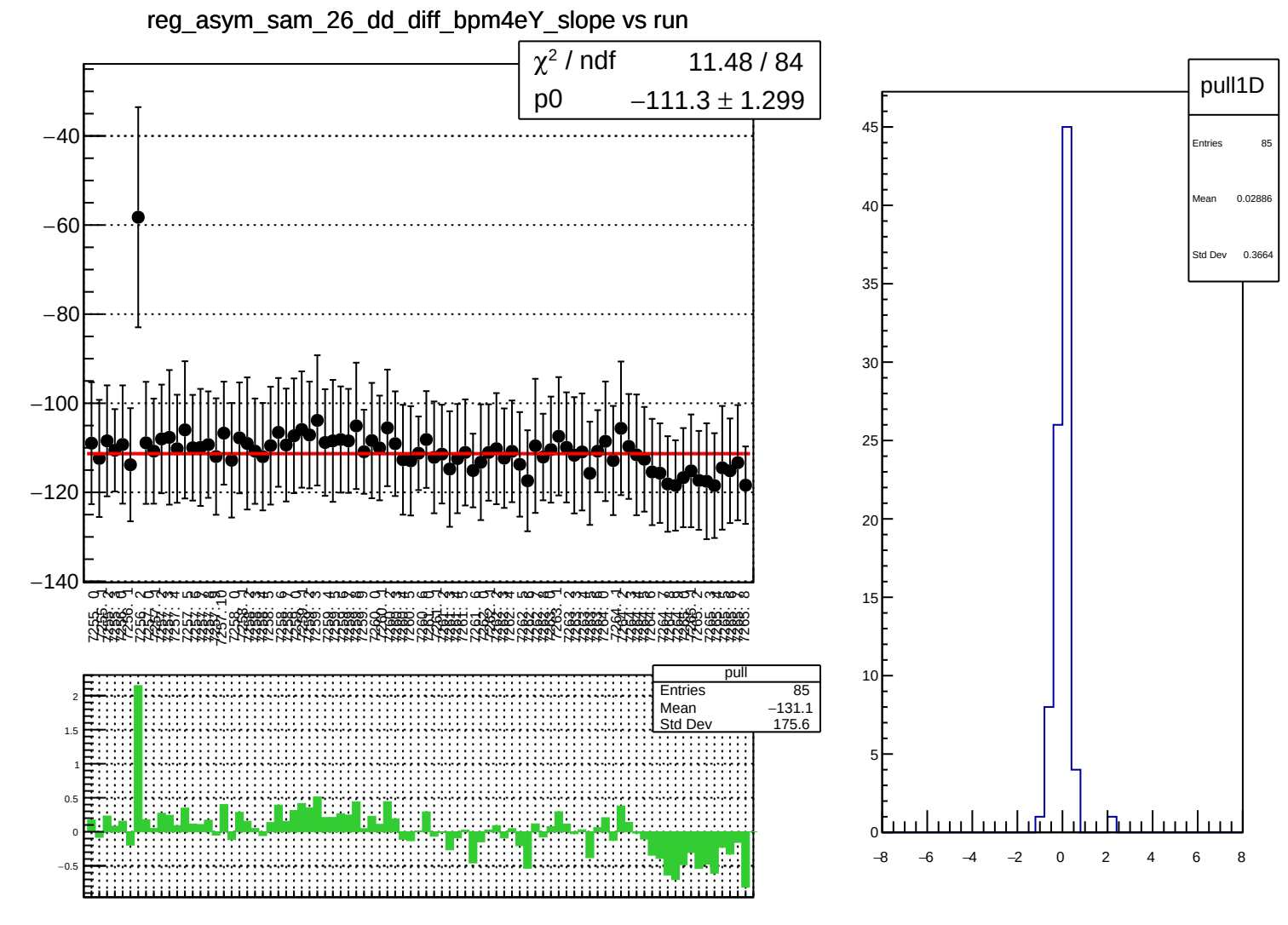

pull1D
Entries 85
Mean 0.01549
Std Dev 0.837

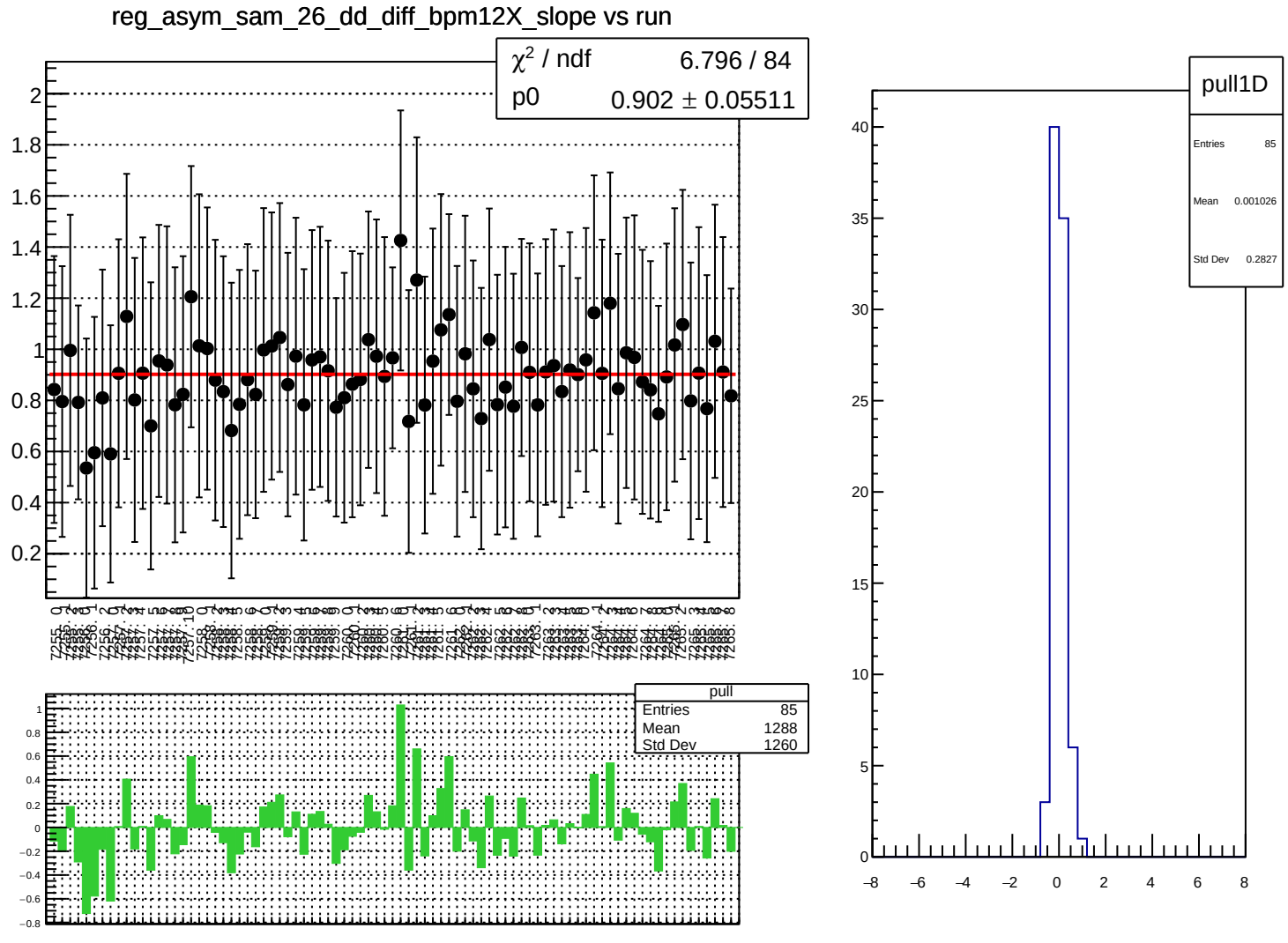

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 6.079 / 84
p0 0.4746 ± 0.01272
pull
Entries 85
Mean −1034
Std Dev 1080
pull1D
Entries 85
Mean 0.001916
Std Dev 0.2674

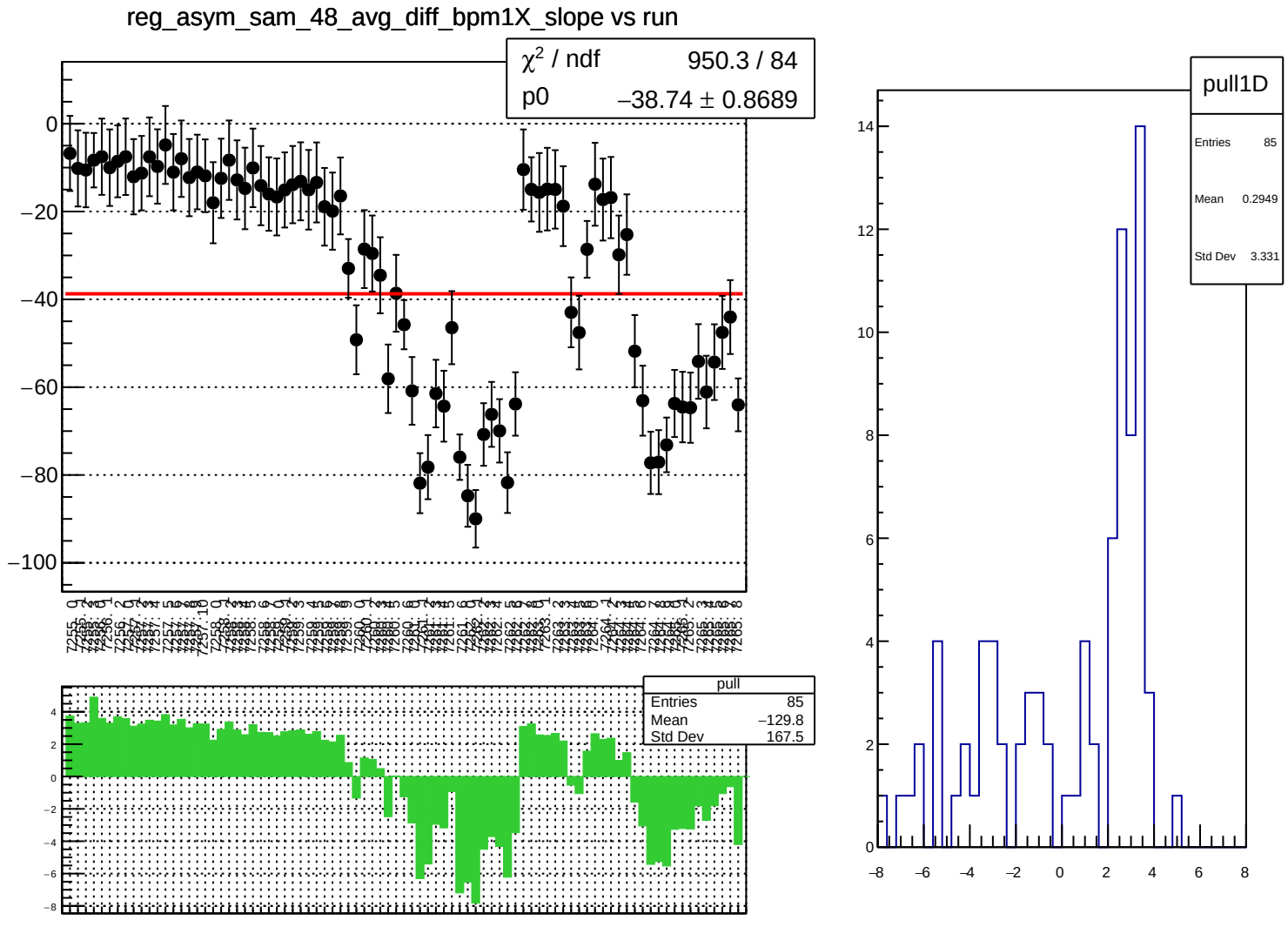

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.013 / 84
p0 −29.21 ± 1.389
pull
Entries 85
Mean 359.1
Std Dev 312.6
pull1D
Entries 85
Mean 0.006118
Std Dev 0.2428

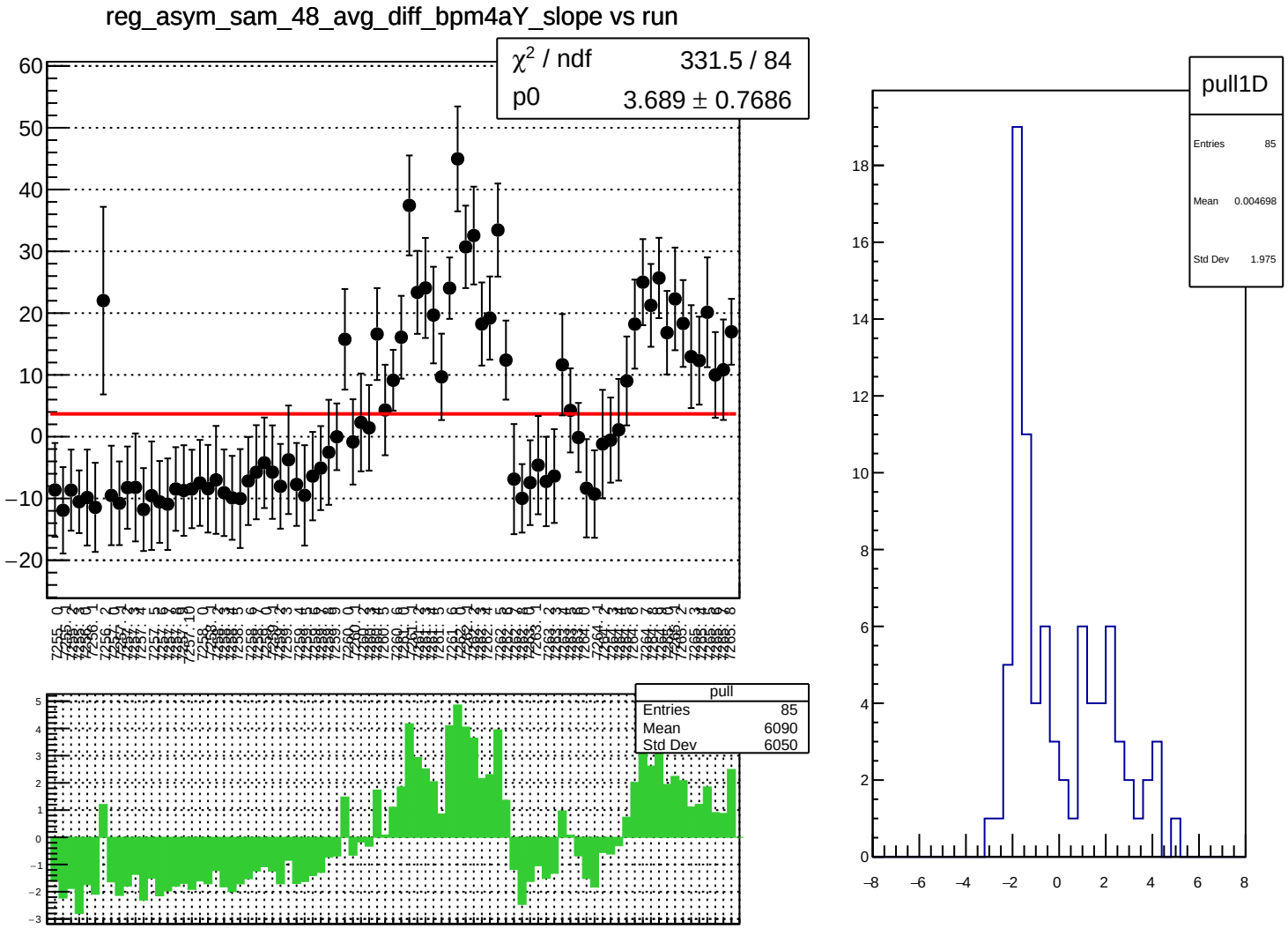

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.73 / 84
p0 −32.53 ± 1.232
pull
Entries 85
Mean −77.58
Std Dev 121.9
pull1D
Entries 85
Mean −0.03718
Std Dev 0.3695

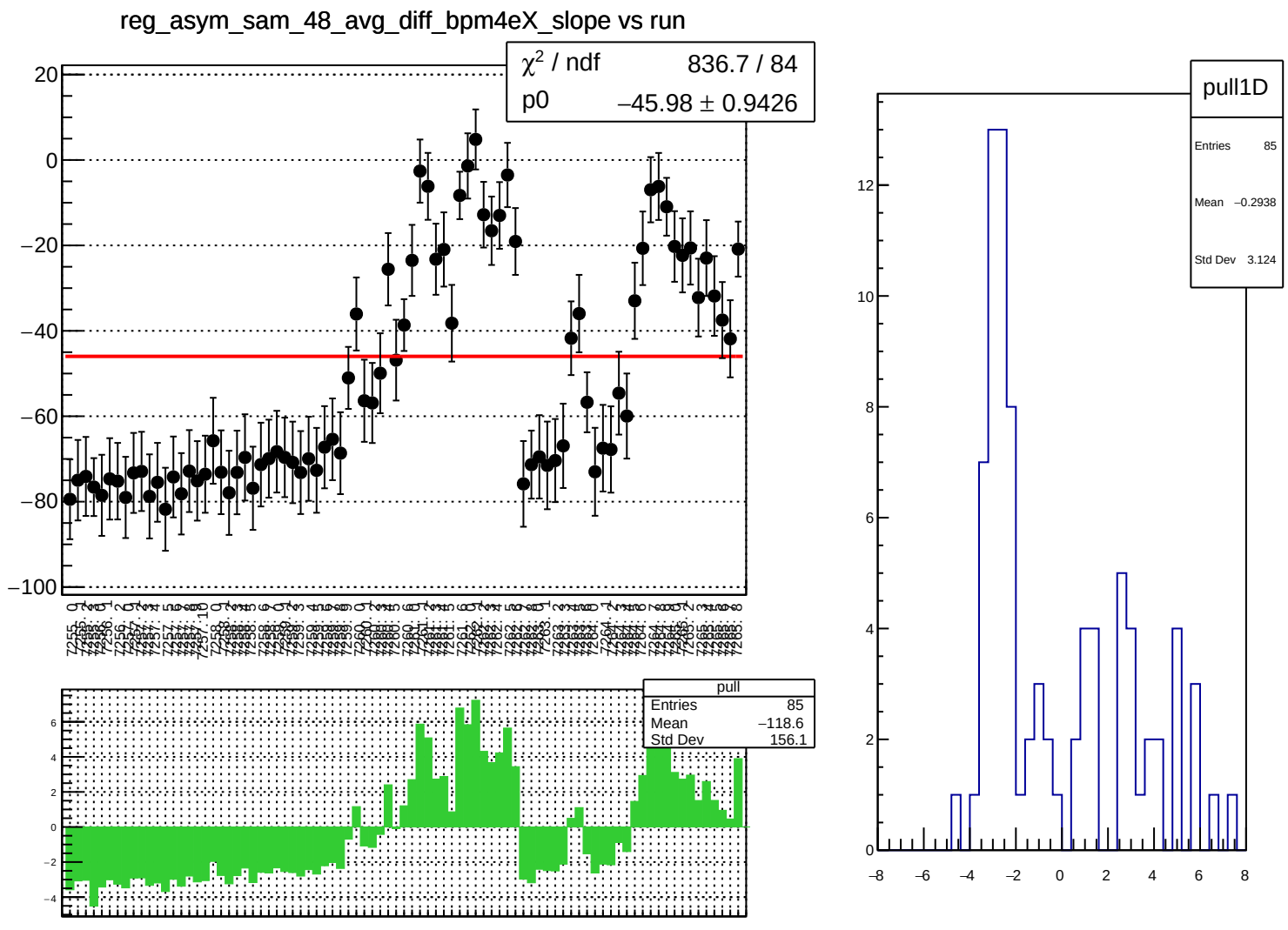

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.813 / 84
p0 −90.25 ± 1.506
pull
Entries 85
Mean 407.4
Std Dev 361
pull1D
Entries 85
Mean −0.005444
Std Dev 0.2379

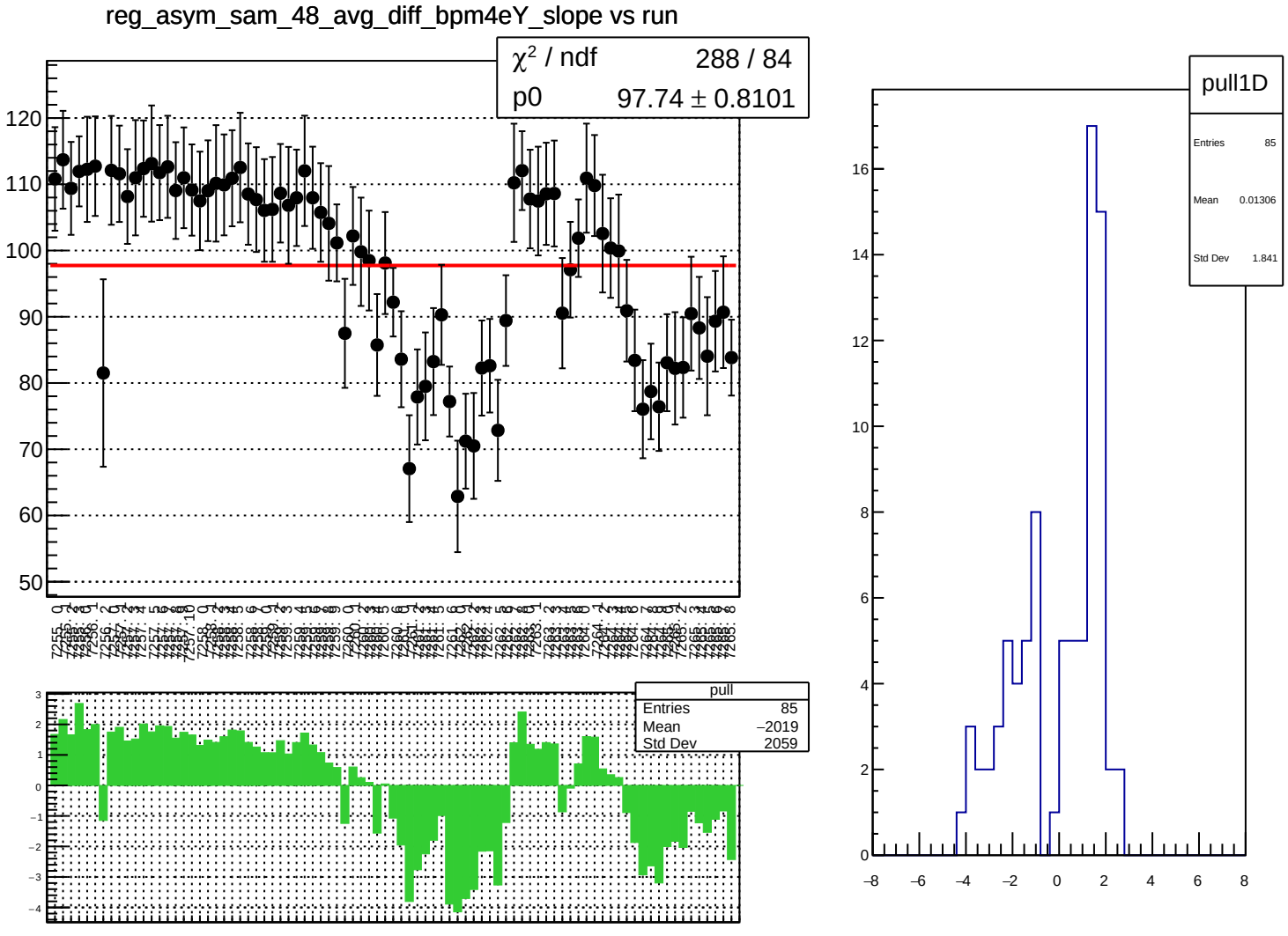

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.48 / 84
p0 −111.3 ± 1.299
pull
Entries 85
Mean −131.1
Std Dev 175.6
pull1D
Entries 85
Mean 0.02886
Std Dev 0.3664

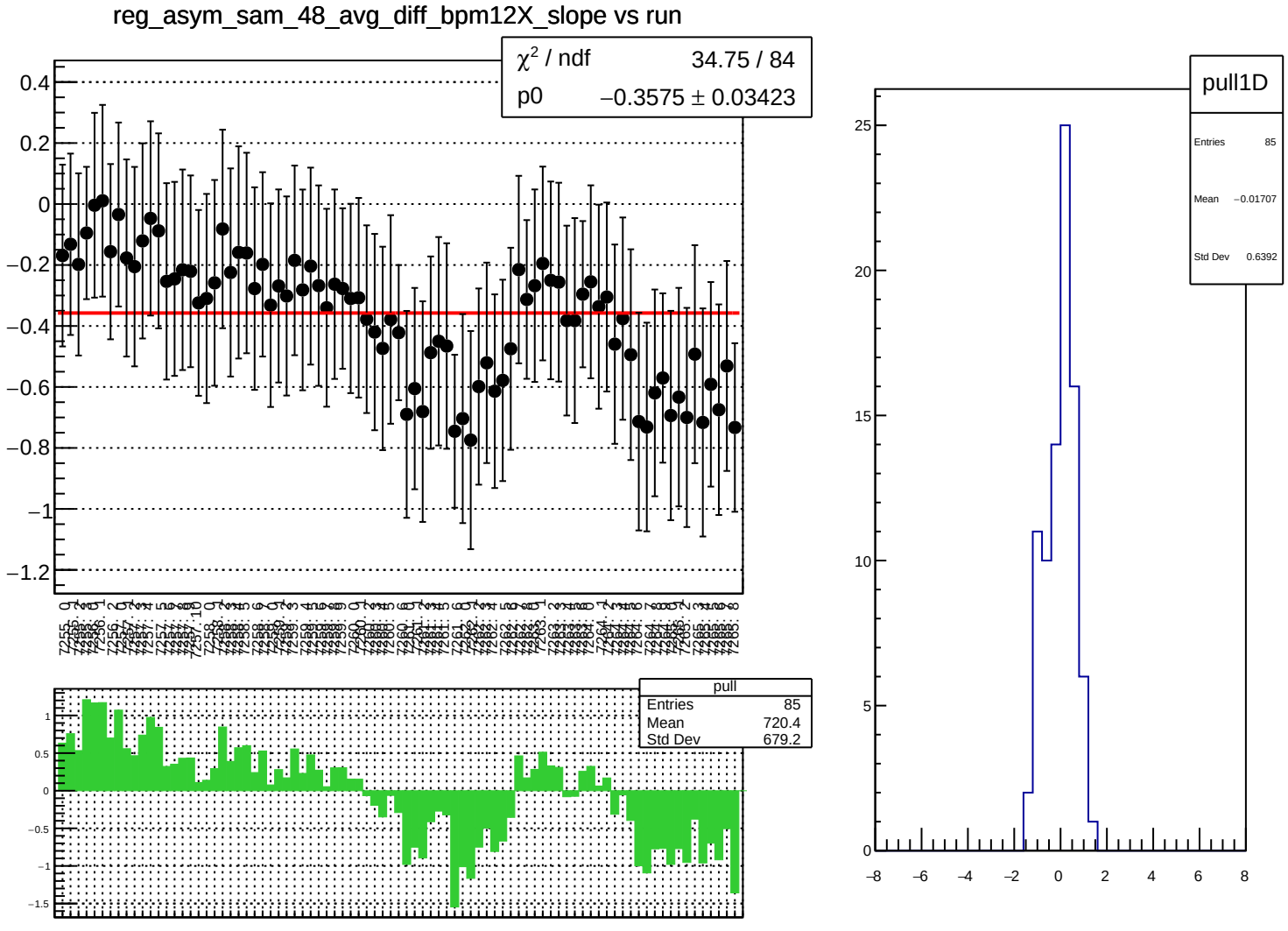

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 6.796 / 84
p0 0.902 ± 0.05511
pull
Entries 85
Mean 1288
Std Dev 1260
pull1D
Entries 85
Mean 0.001026
Std Dev 0.2827

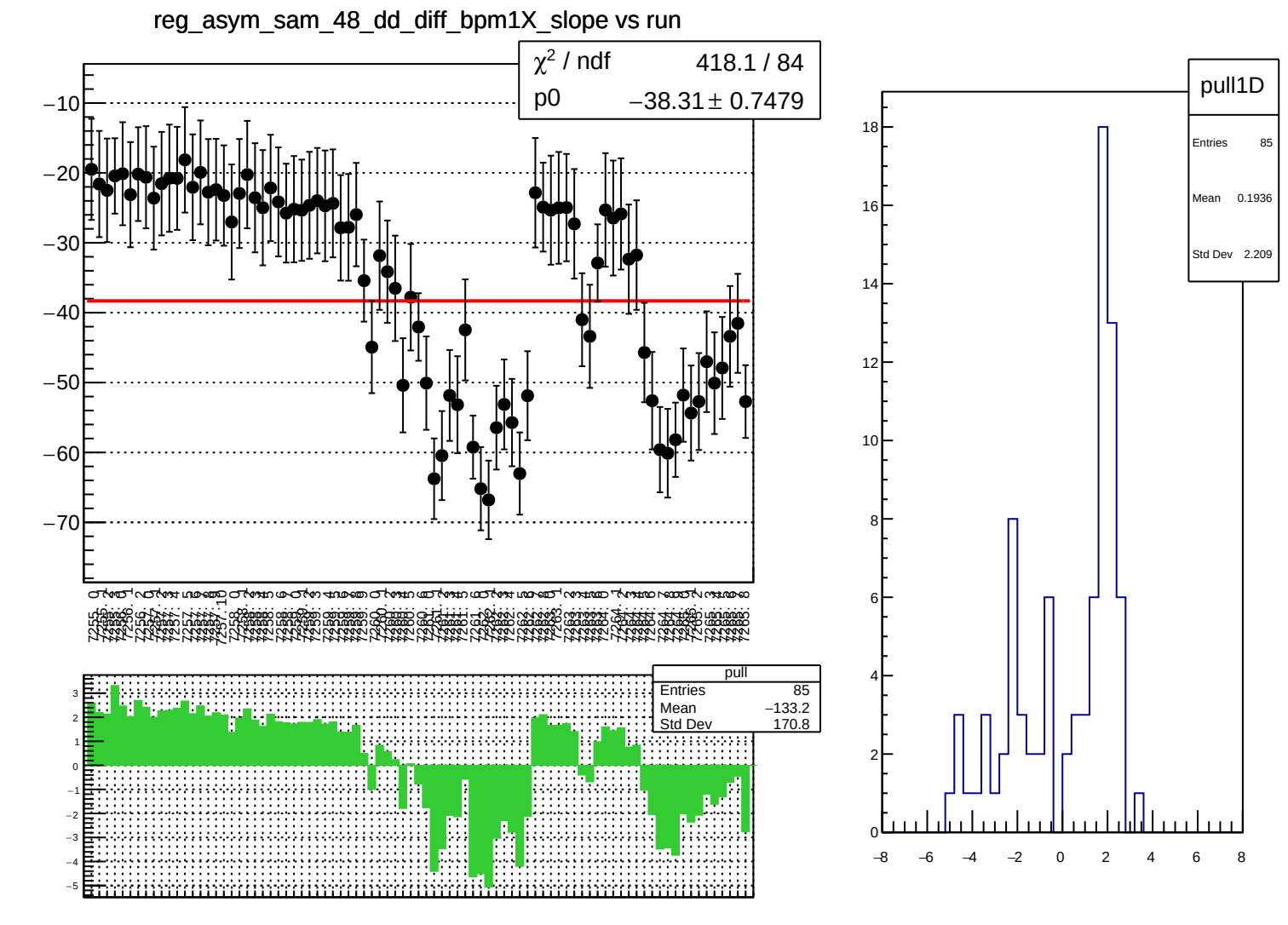

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 950.3 / 84
p0 −38.74 ± 0.8689
pull
Entries 85
Mean −129.8
Std Dev 167.5
pull1D
Entries 85
Mean 0.2949
Std Dev 3.331

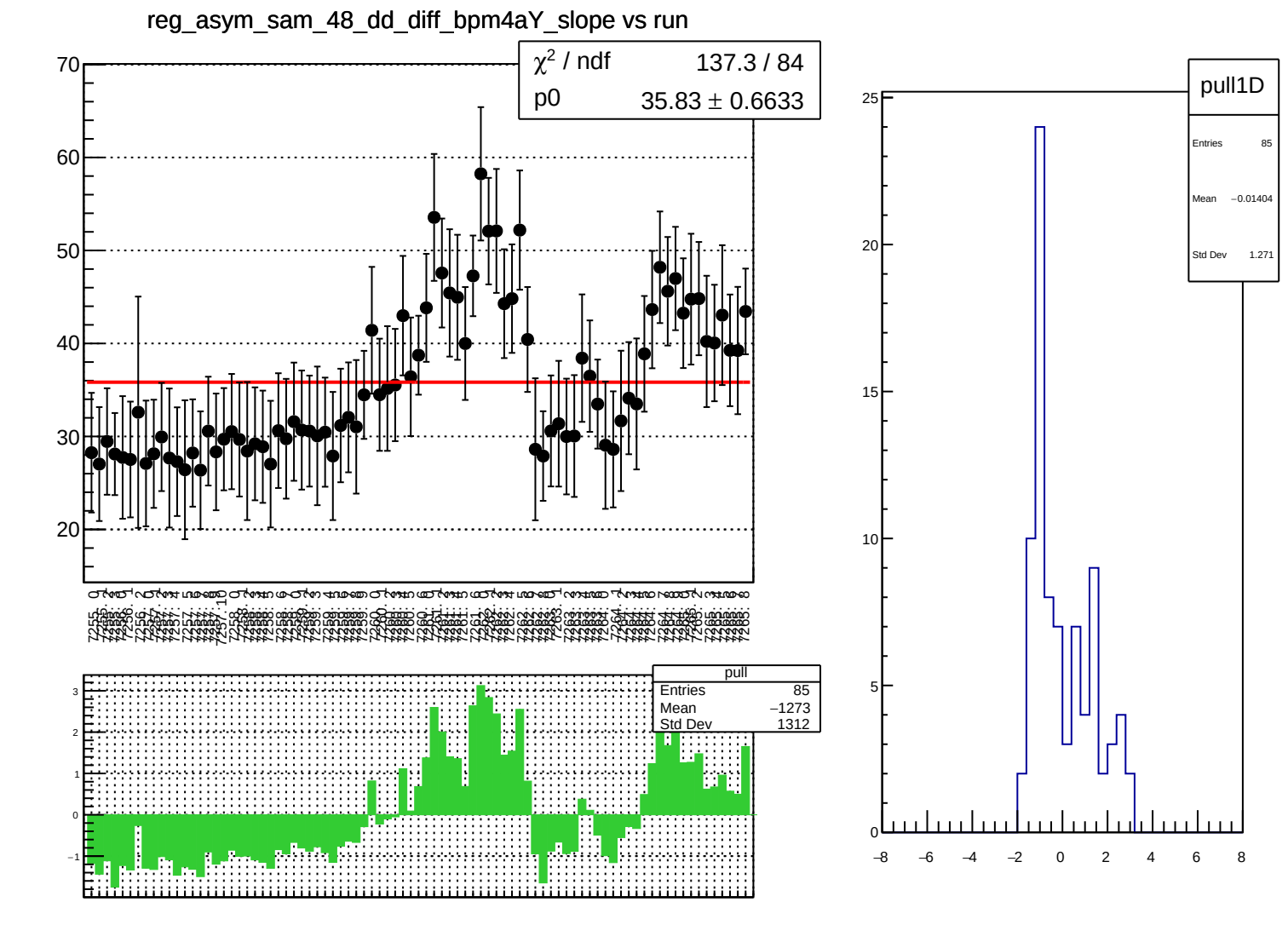

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 331.5 / 84
p0 3.689 ± 0.7686
pull
Entries 85
Mean 6090
Std Dev 6050
pull1D
Entries 85
Mean 0.004698
Std Dev 1.975

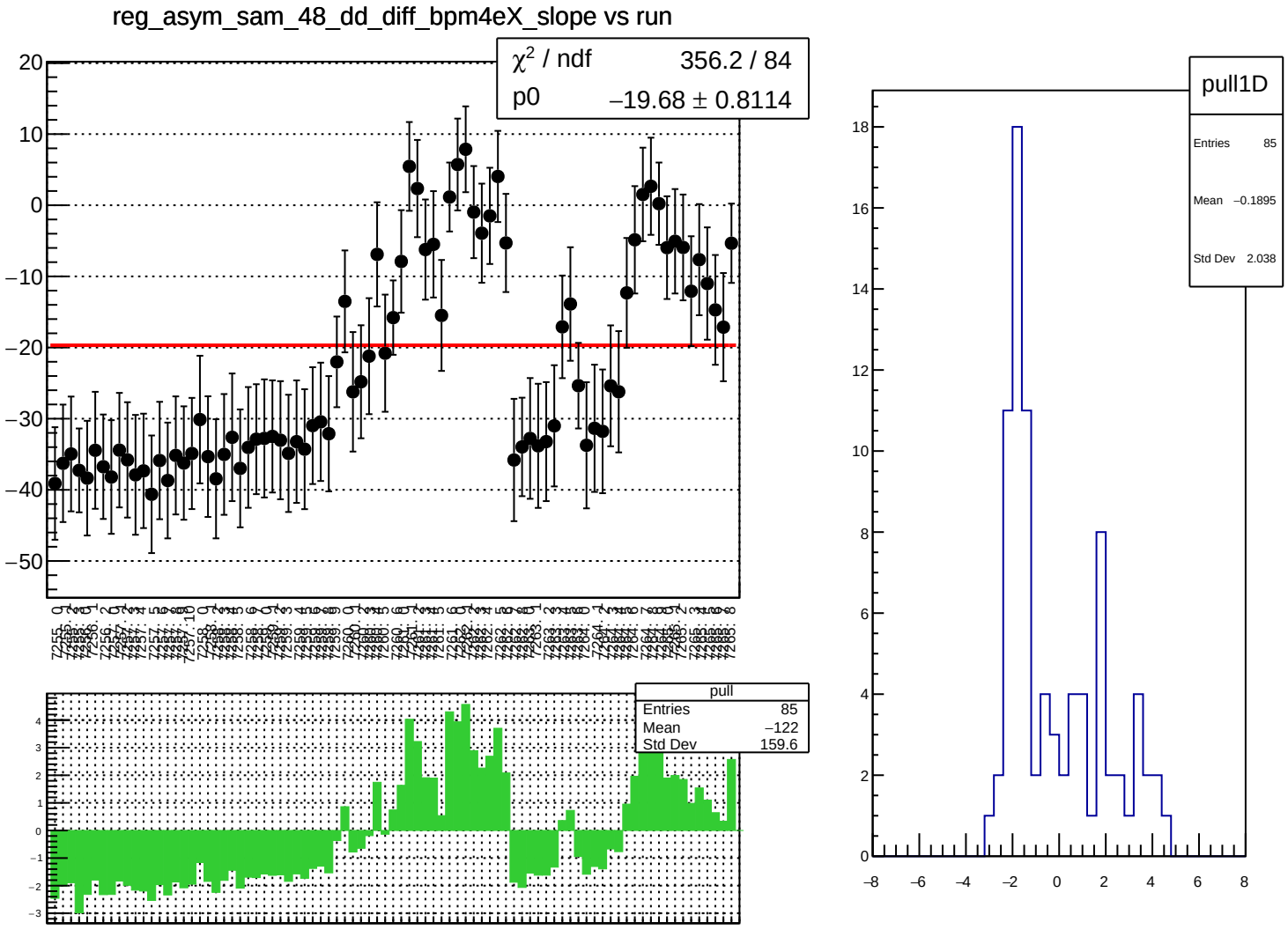

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 836.7 / 84
p0 −45.98 ± 0.9426
pull
Entries 85
Mean −118.6
Std Dev 156.1
pull1D
Entries 85
Mean −0.2938
Std Dev 3.124

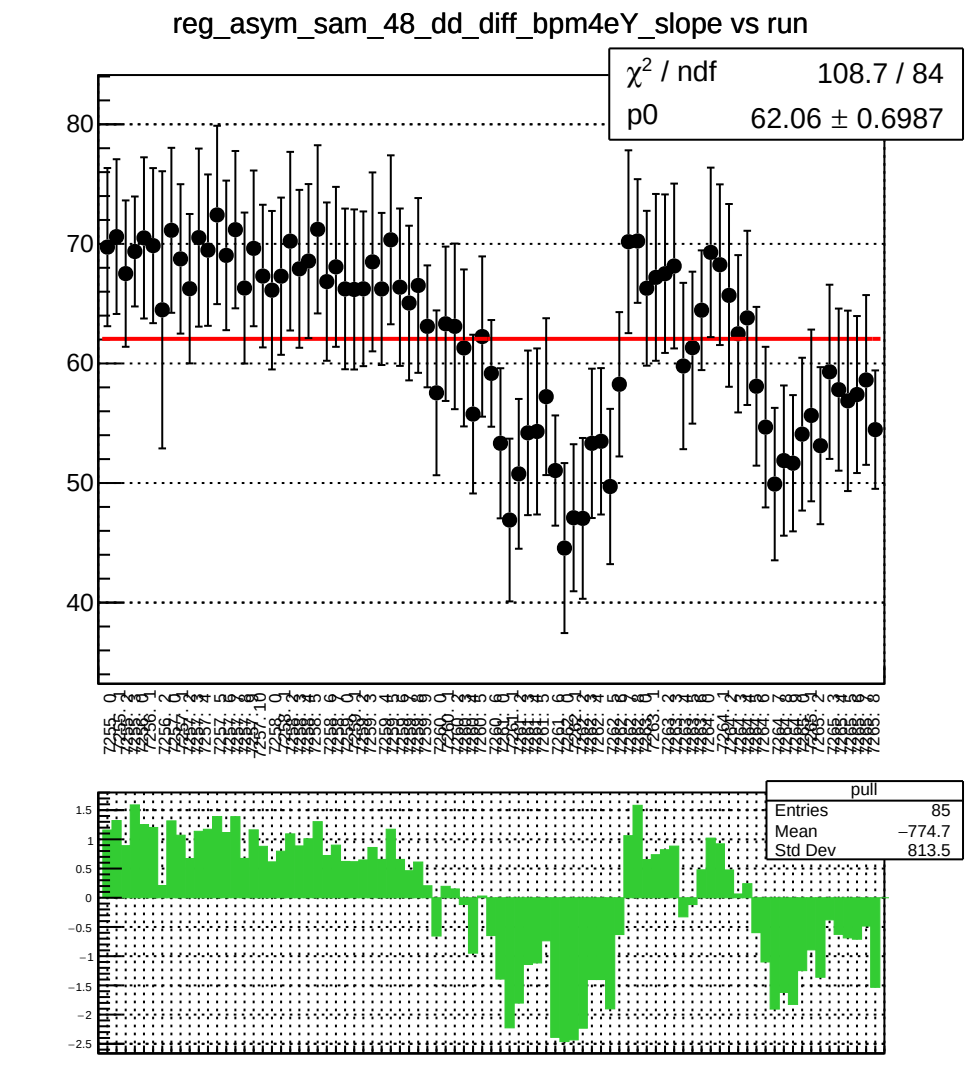

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 288 / 84
p0 97.74 ± 0.8101
pull
Entries 85
Mean −2019
Std Dev 2059
pull1D
Entries 85
Mean 0.01306
Std Dev 1.841

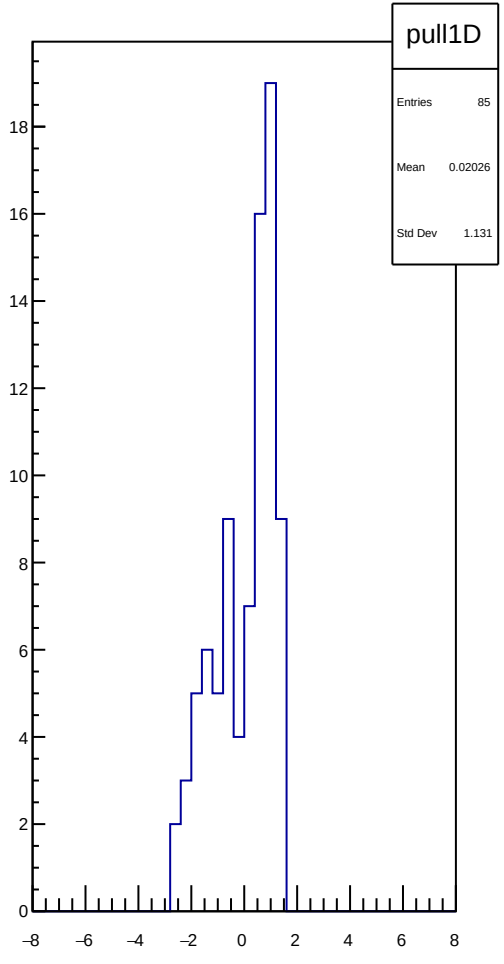

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 34.75 / 84
p0 −0.3575 ± 0.03423
pull
Entries 85
Mean 720.4
Std Dev 679.2
pull1D
Entries 85
Mean −0.01707
Std Dev 0.6392

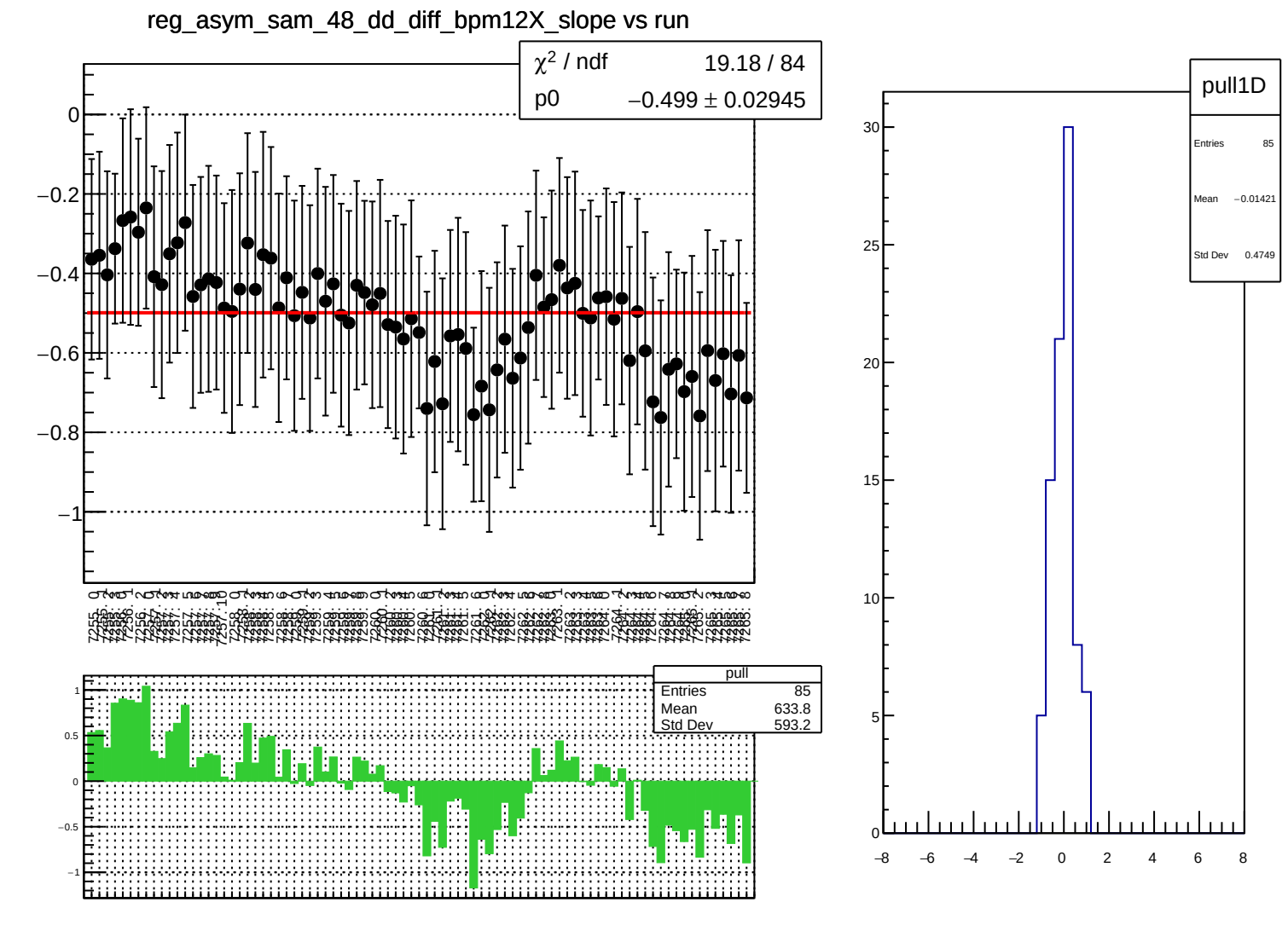

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 418.1 / 84
p0 −38.31 ± 0.7479
pull
Entries 85
Mean −133.2
Std Dev 170.8
pull1D
Entries 85
Mean 0.1936
Std Dev 2.209

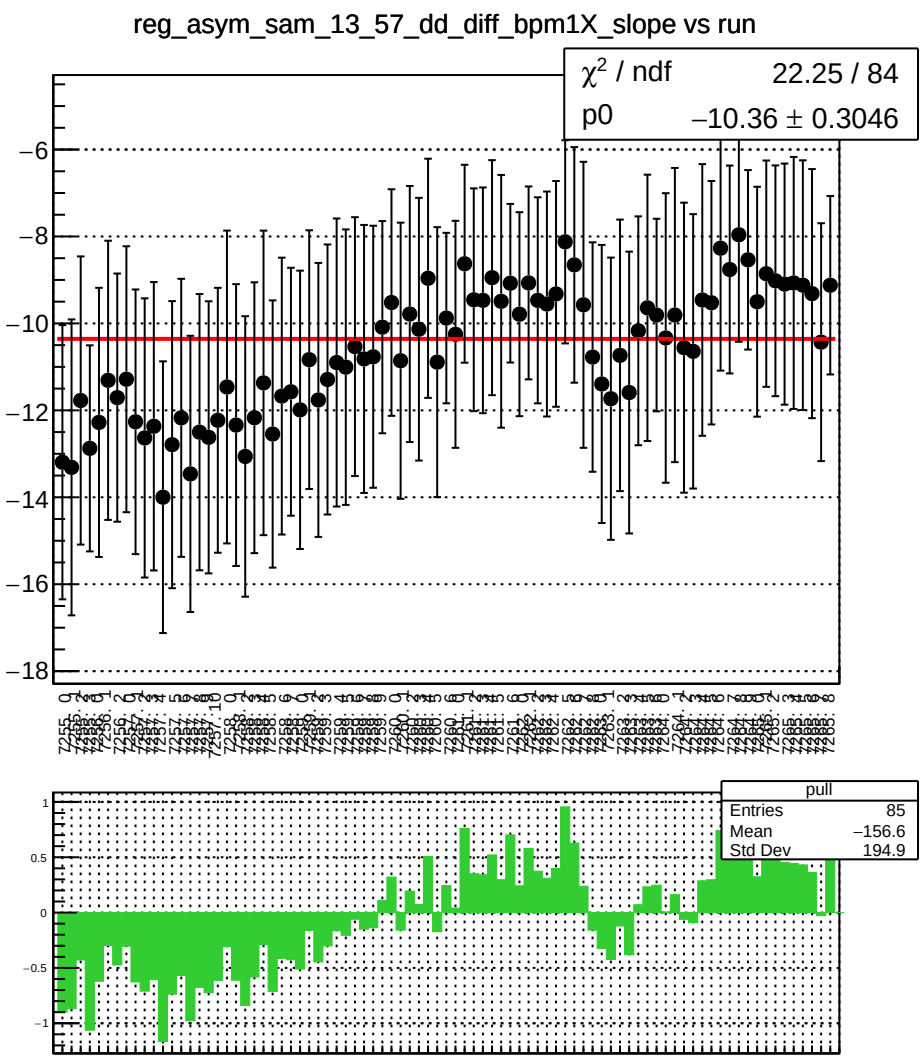

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 137.3 / 84
p0 35.83 ± 0.6633
pull
Entries 85
Mean −1273
Std Dev 1312
pull1D
Entries 85
Mean −0.01404
Std Dev 1.271

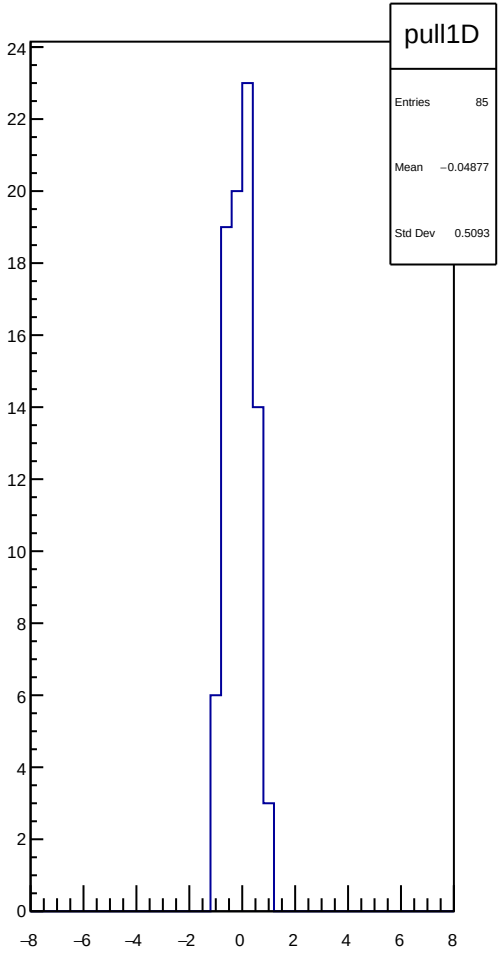

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 356.2 / 84
p0 −19.68 ± 0.8114
pull
Entries 85
Mean −122
Std Dev 159.6
pull1D
Entries 85
Mean −0.1895
Std Dev 2.038

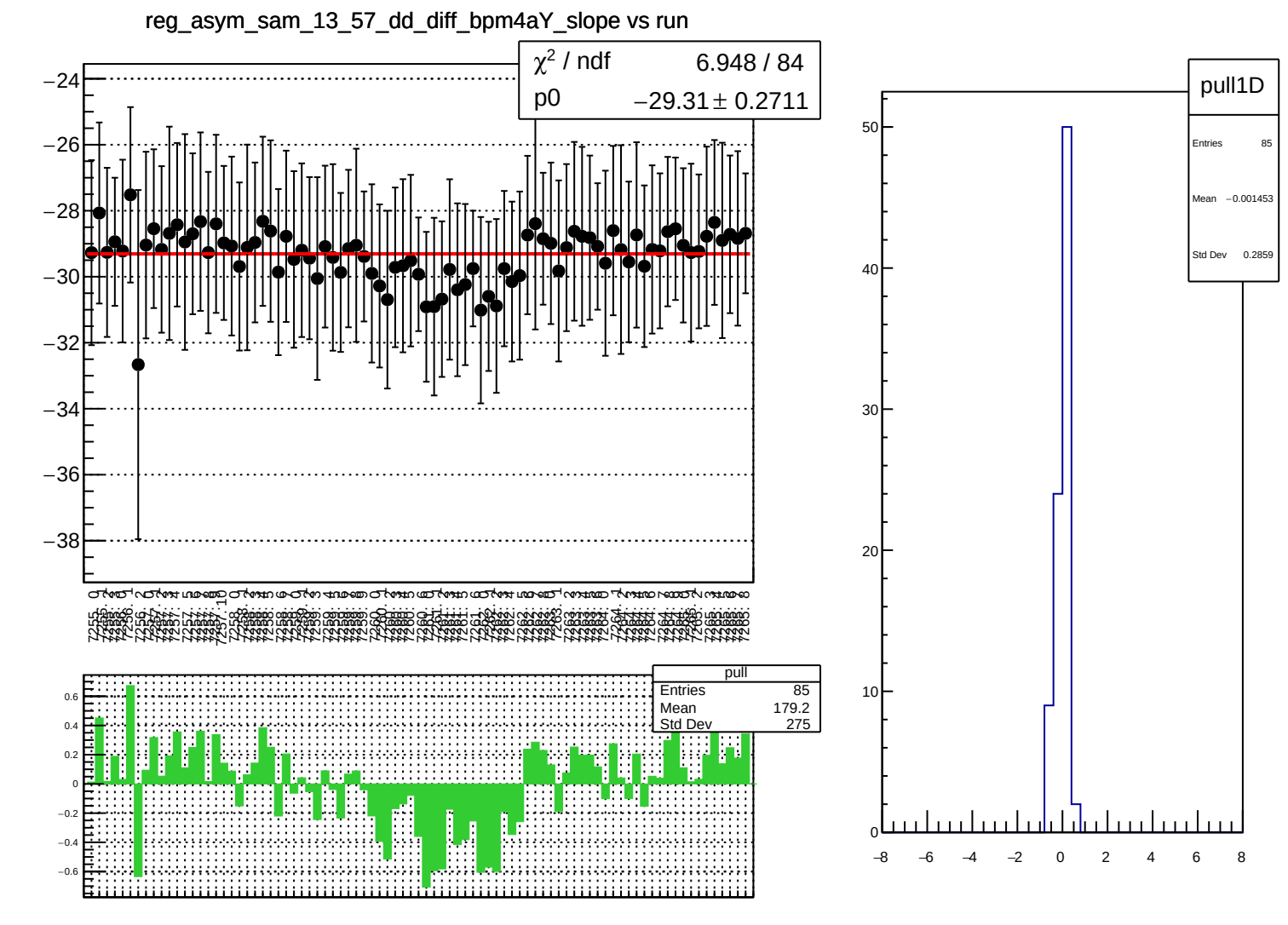

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 108.7 / 84
p0 62.06 ± 0.6987
80
70
60
50
40
pull
Entries 85
Mean −774.7
Std Dev 813.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

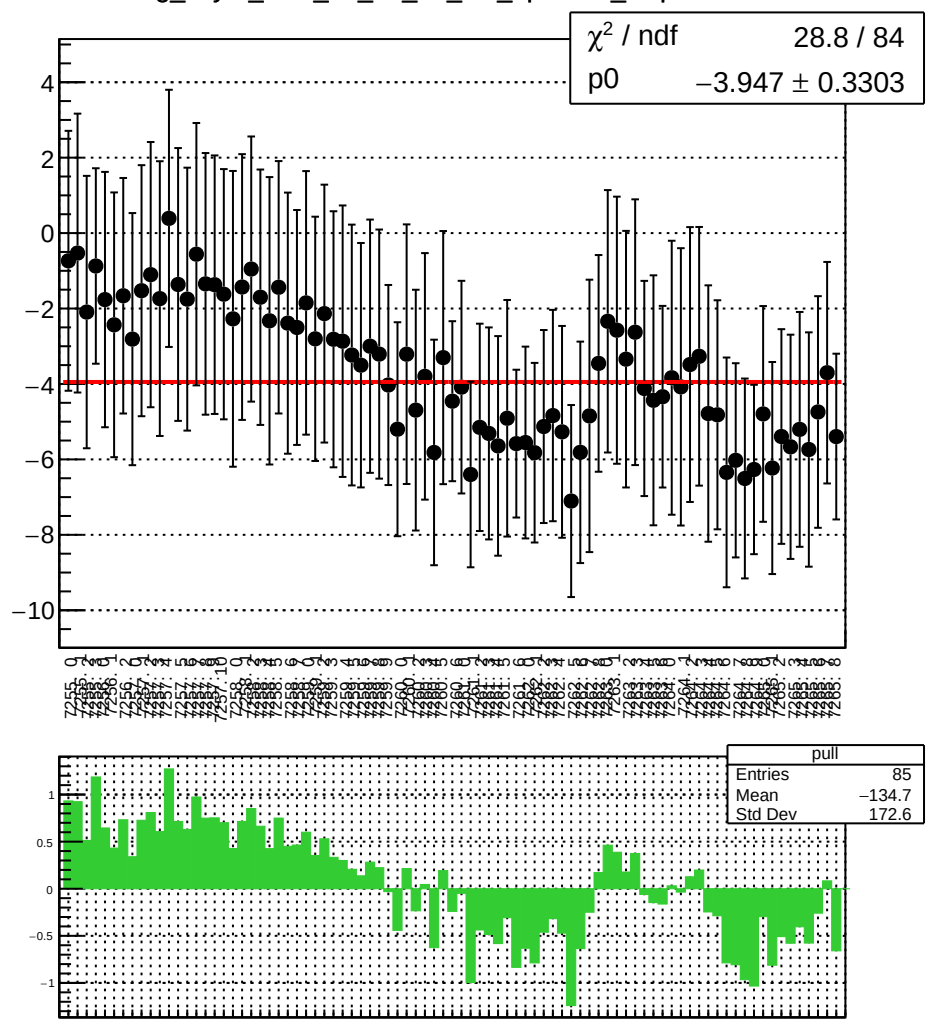

pull1D
Entries 85
Mean 0.02026
Std Dev 1.131
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

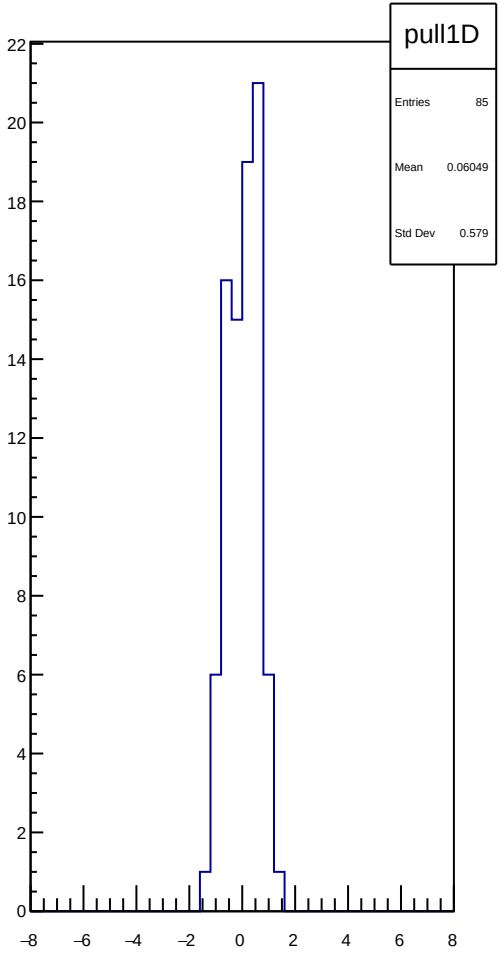

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.18 / 84
p0 −0.499 ± 0.02945
pull
Entries 85
Mean 633.8
Std Dev 593.2
pull1D
Entries 85
Mean −0.01421
Std Dev 0.4749

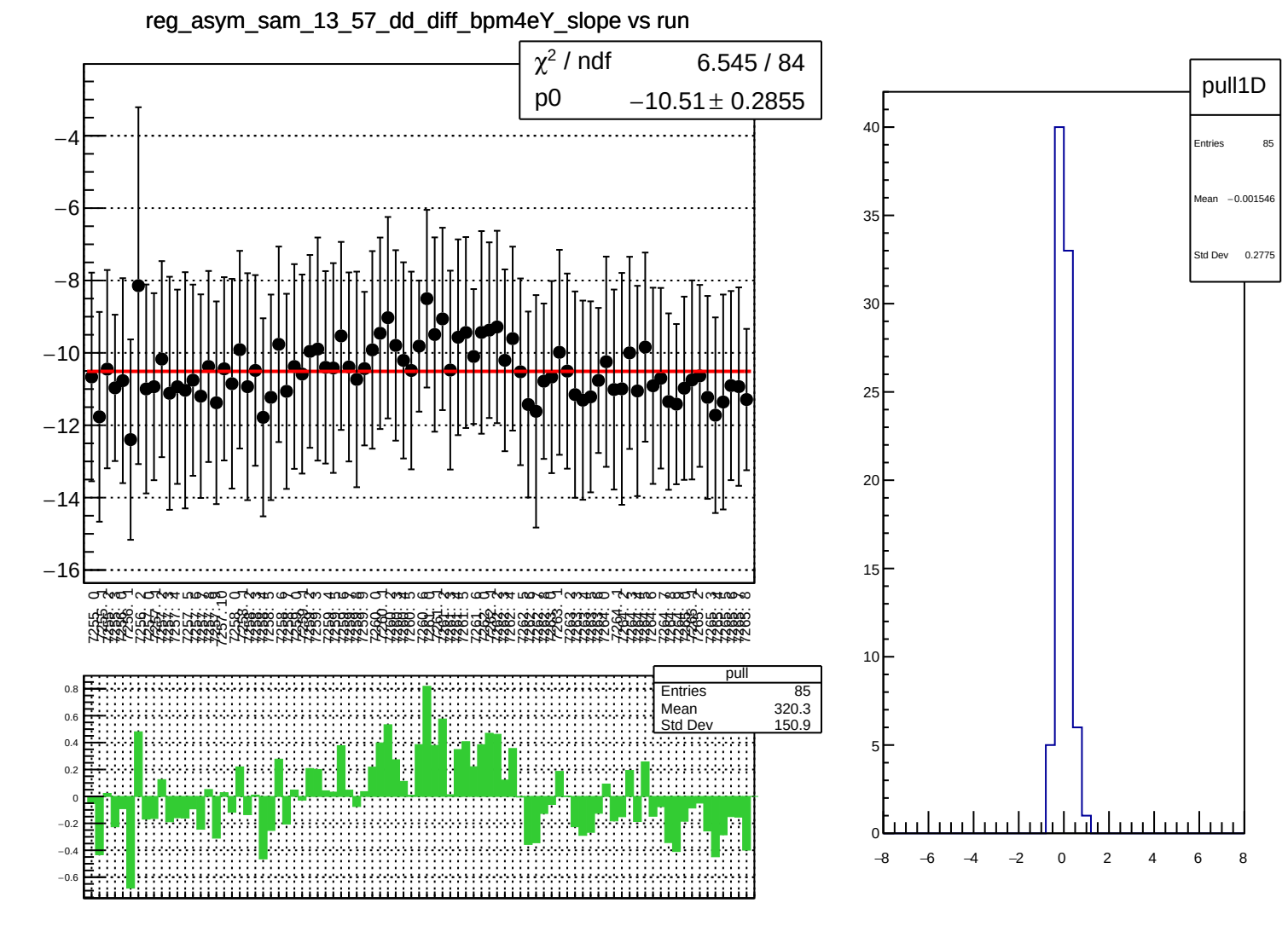

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 22.25 / 84
p0 −10.36 ± 0.3046
pull
Entries 85
Mean −156.6
Std Dev 194.9

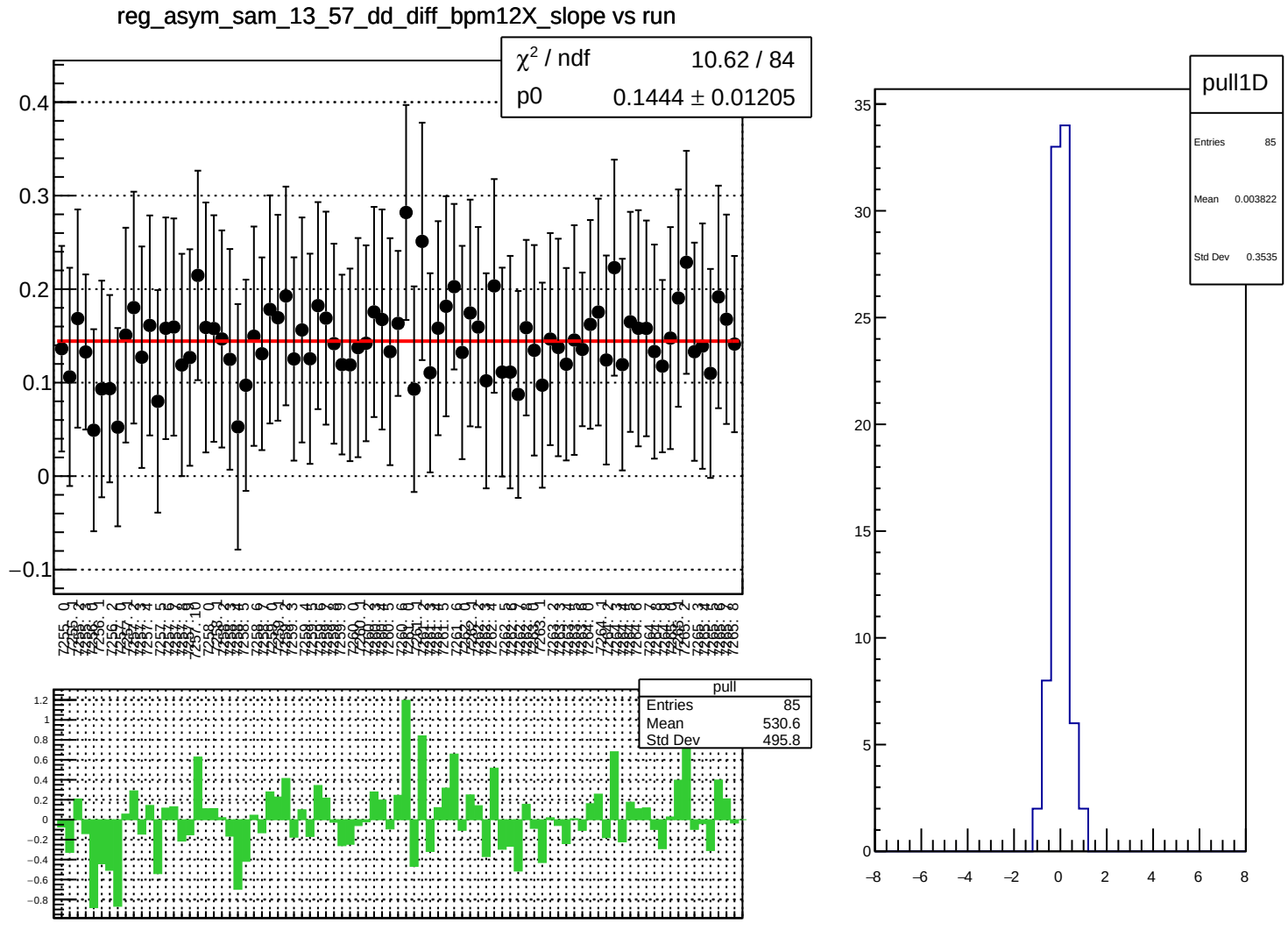

pull1D
Entries 85
Mean −0.04877
Std Dev 0.5093

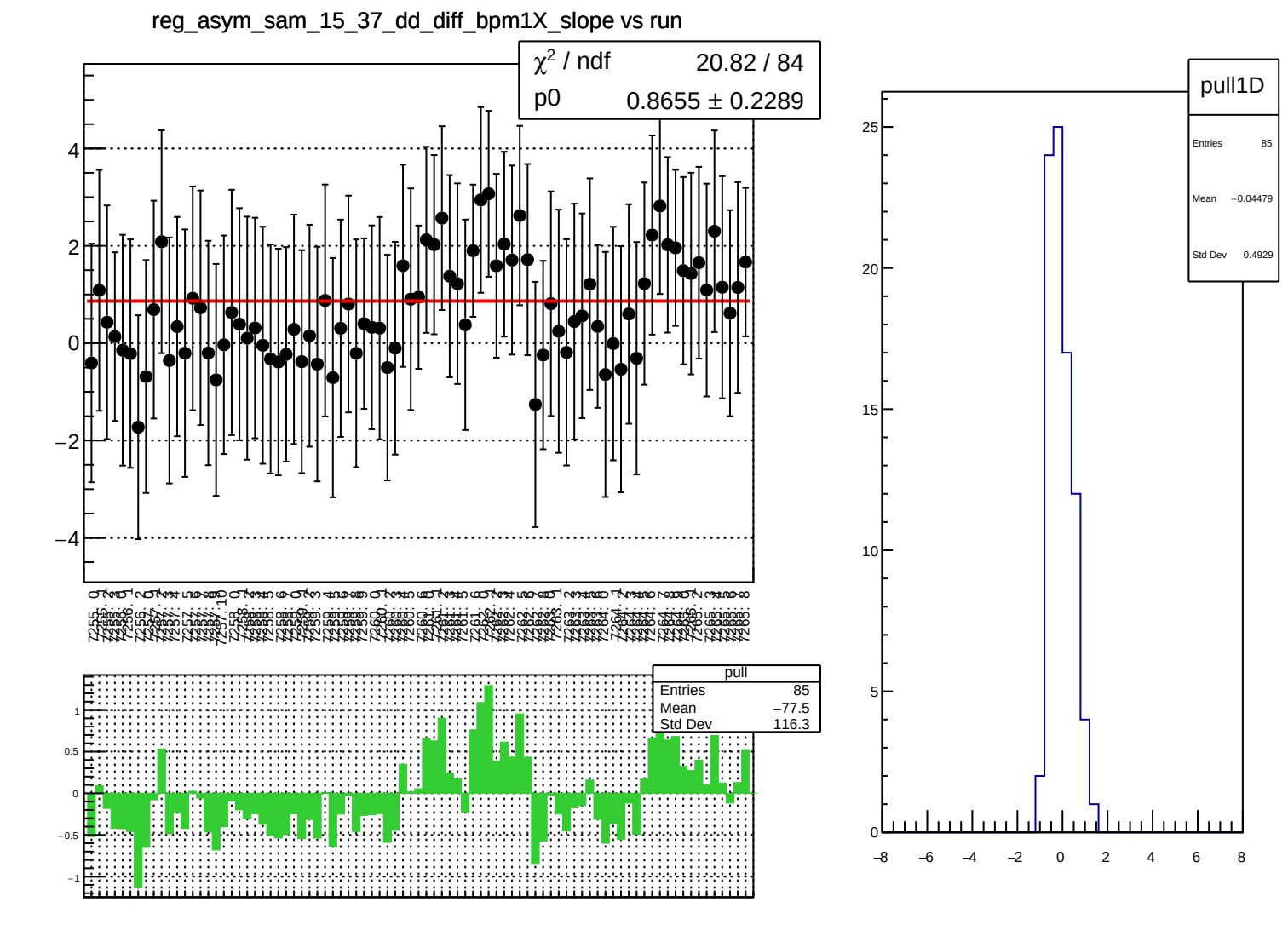

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.948 / 84
p0 −29.31 ± 0.2711
pull
Entries 85
Mean 179.2
Std Dev 275
pull1D
Entries 85
Mean −0.001453
Std Dev 0.2859

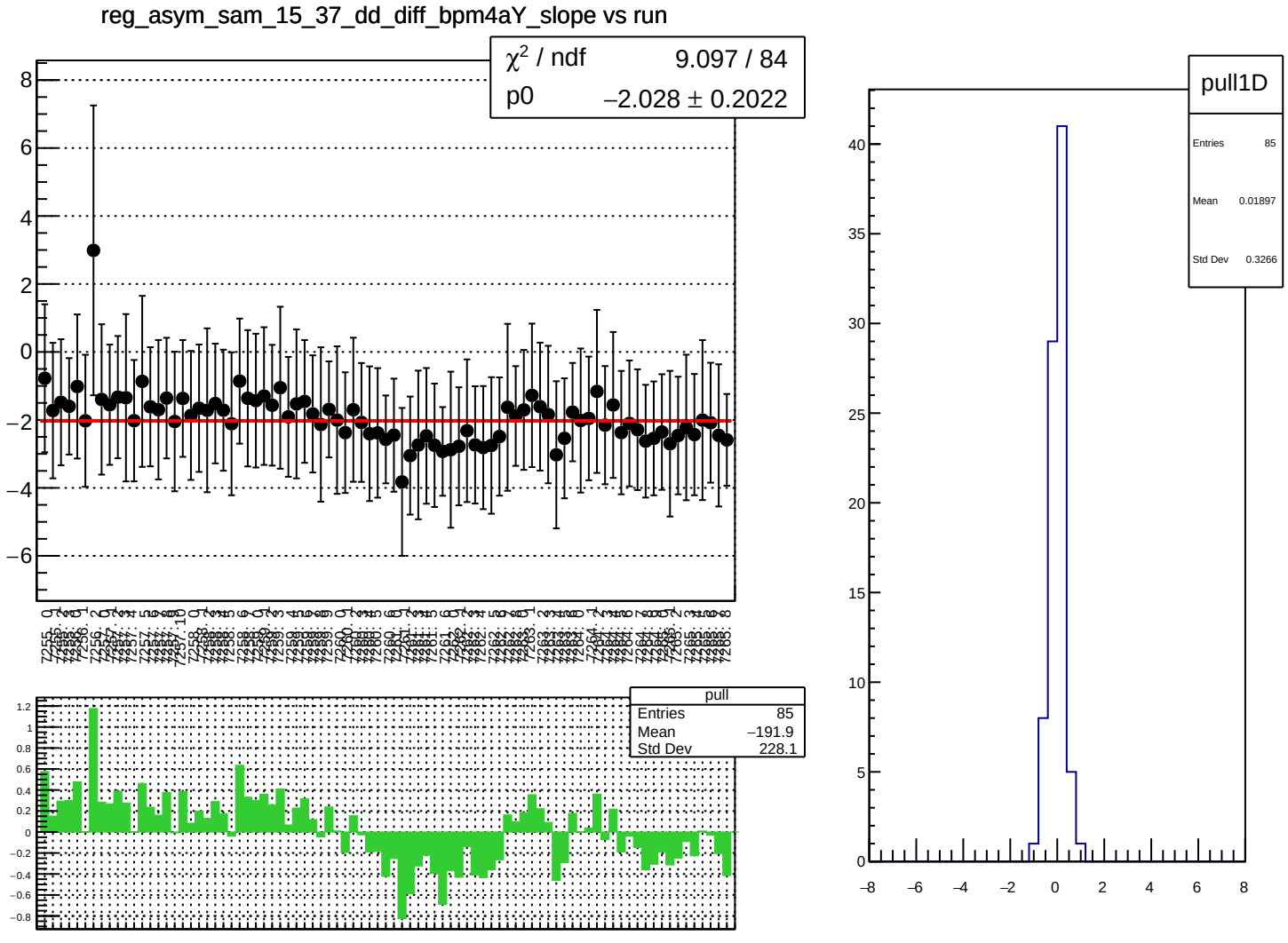

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.8 / 84
p0 −3.947 ± 0.3303
pull
Entries 85
Mean −134.7
Std Dev 172.6

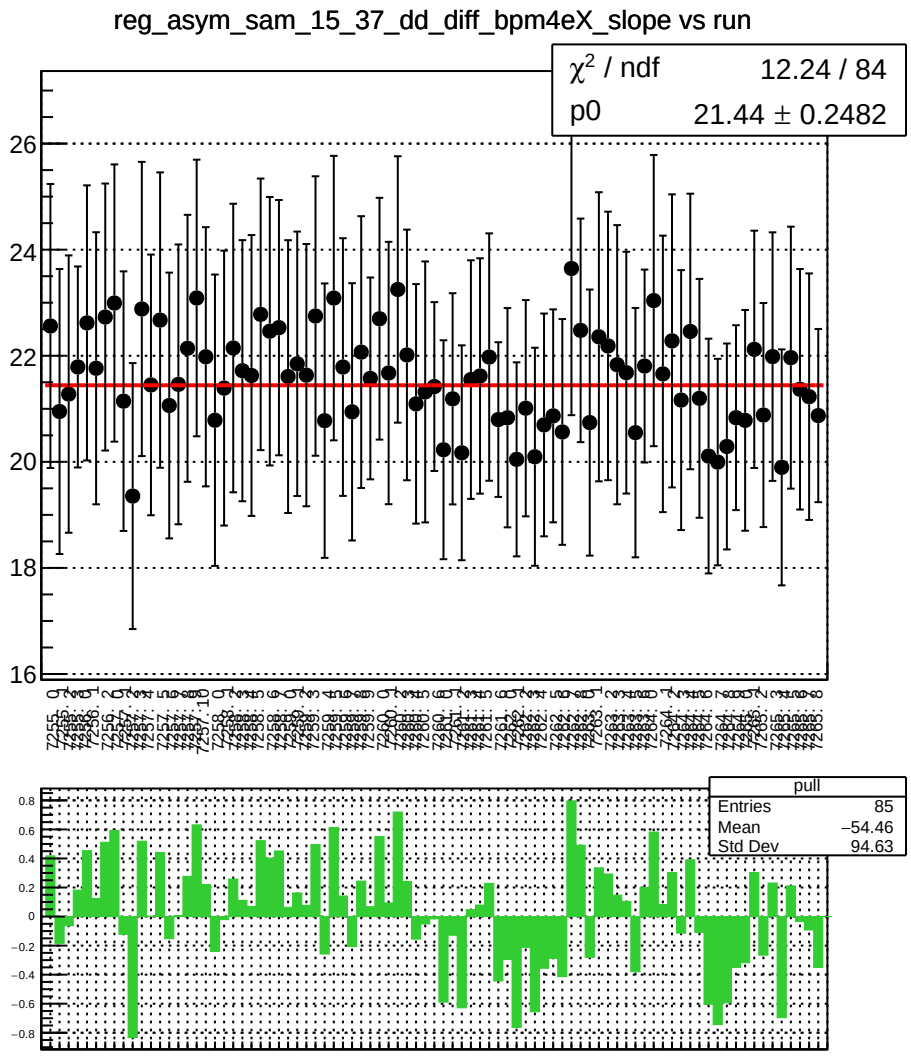

pull1D
Entries 85
Mean 0.06049
Std Dev 0.579

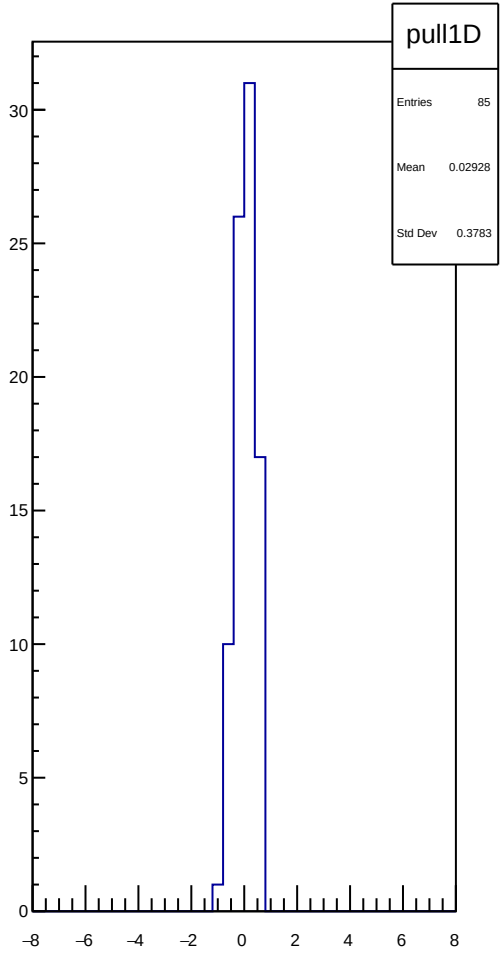

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.545 / 84
p0 −10.51 ± 0.2855
pull
Entries 85
Mean 320.3
Std Dev 150.9
pull1D
Entries 85
Mean −0.001546
Std Dev 0.2775

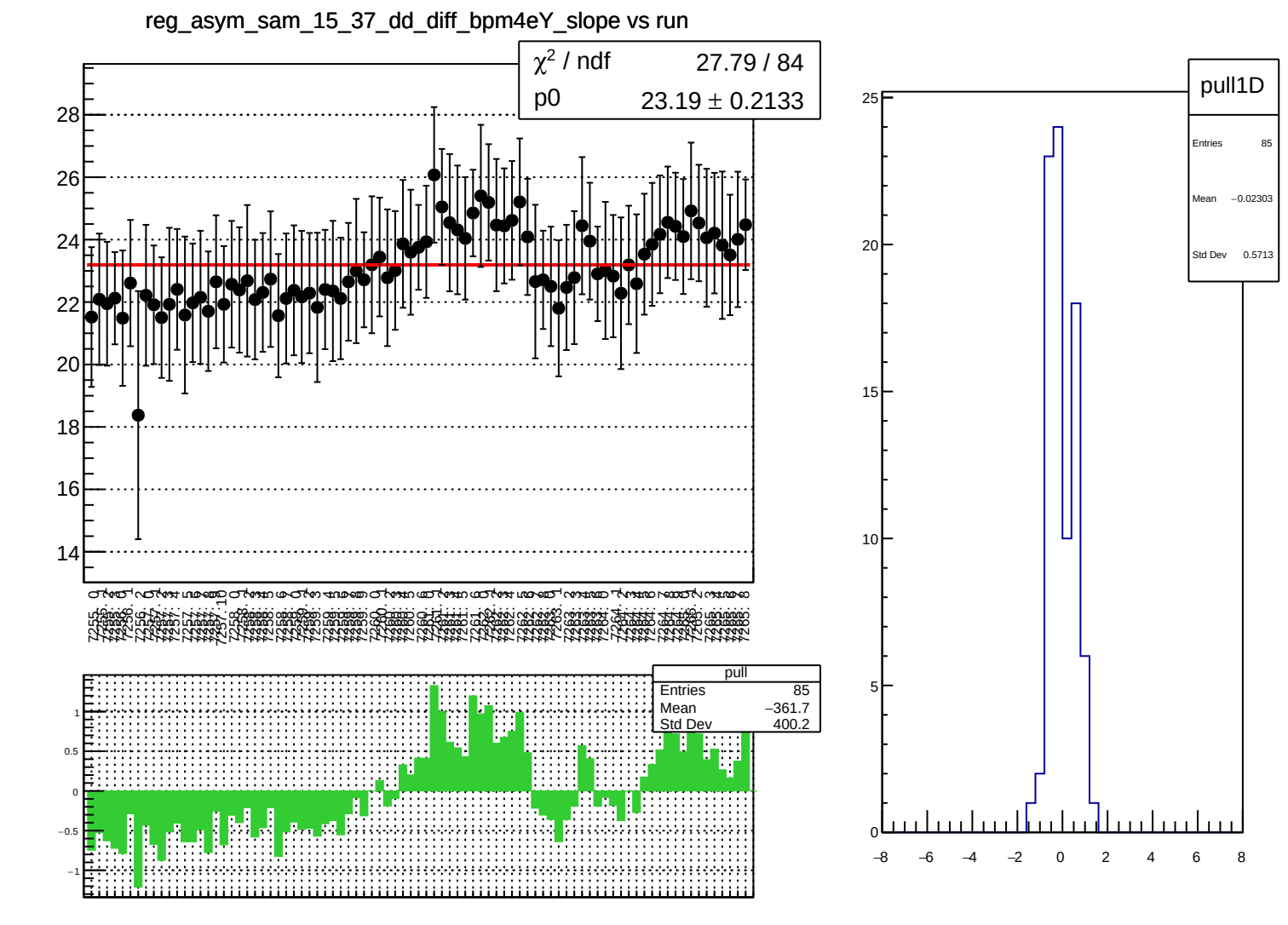

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 10.62 / 84
p0 0.1444 ± 0.01205
pull
Entries 85
Mean 530.6
Std Dev 495.8
pull1D
Entries 85
Mean 0.003822
Std Dev 0.3535

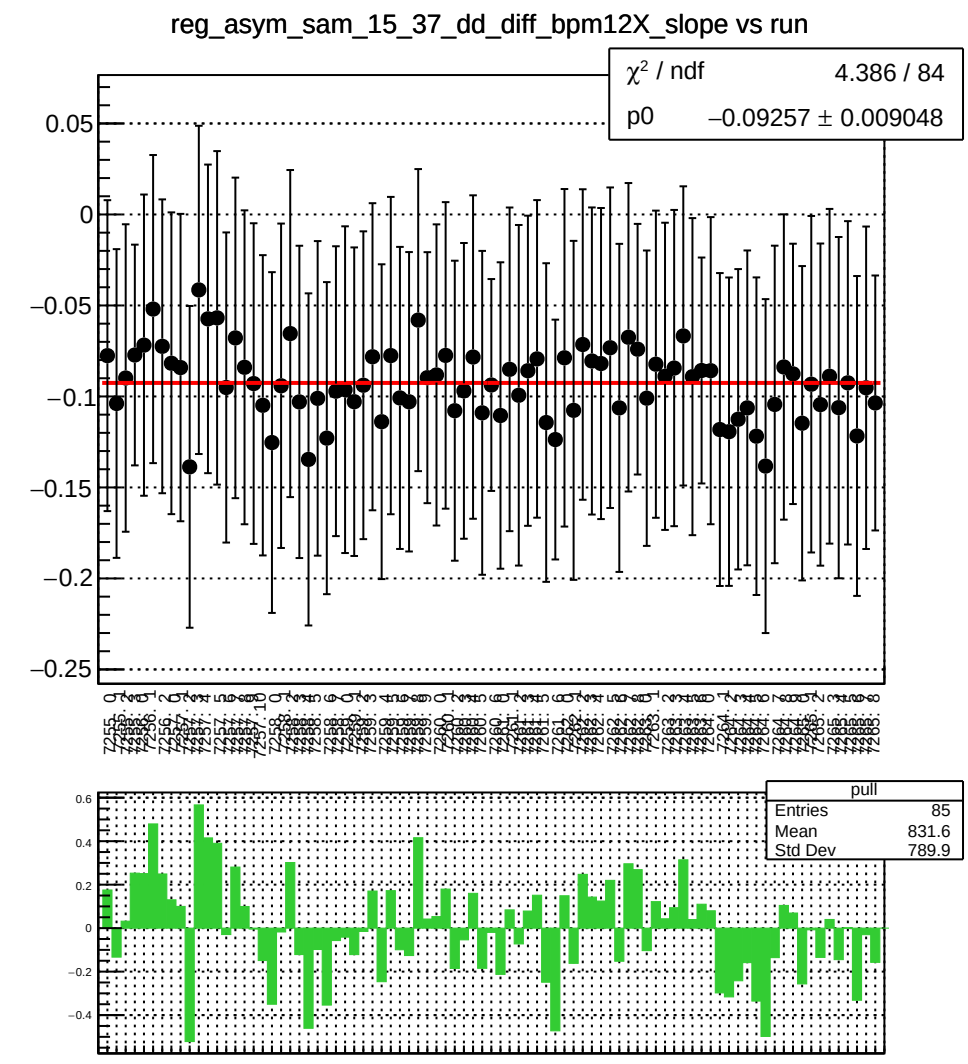

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 20.82 / 84
p0 0.8655 ± 0.2289
pull
Entries 85
Mean −77.5
Std Dev 116.3
pull1D
Entries 85
Mean −0.04479
Std Dev 0.4929

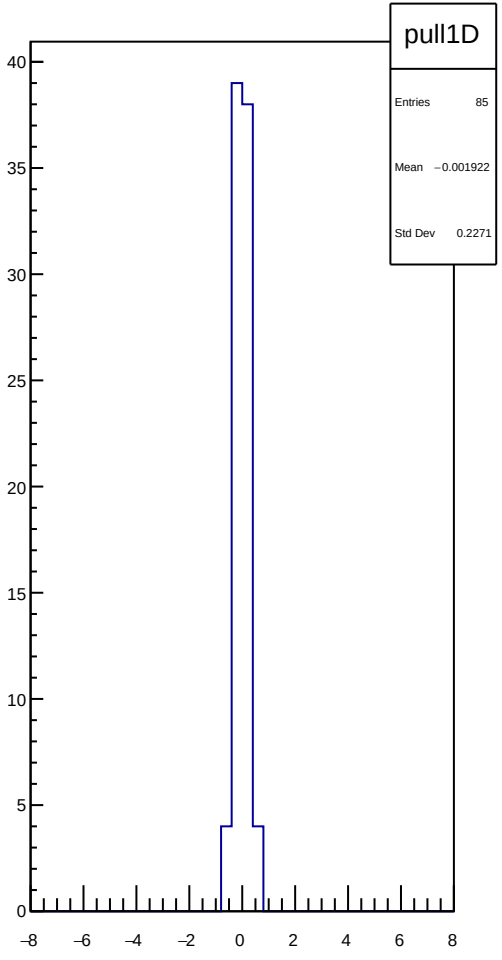

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.097 / 84
p0 −2.028 ± 0.2022
pull
Entries 85
Mean −191.9
Std Dev 228.1
pull1D
Entries 85
Mean 0.01897
Std Dev 0.3266

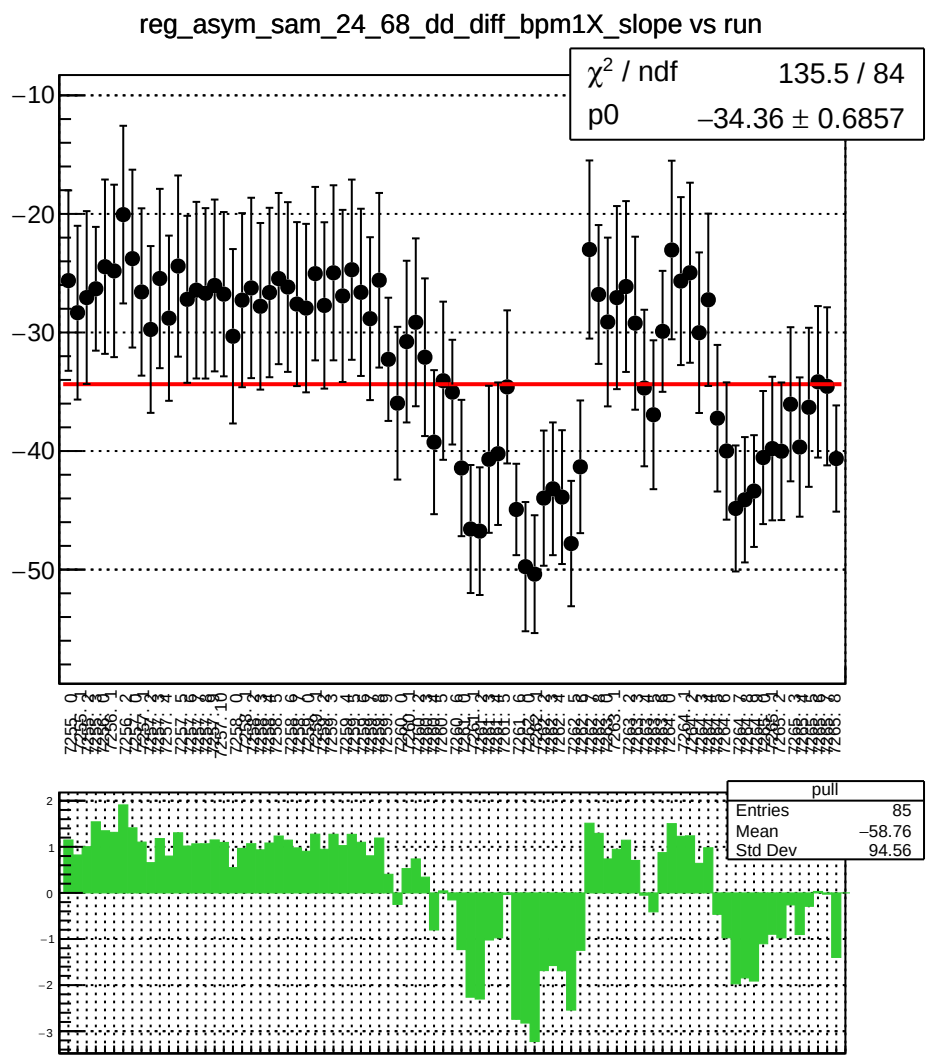

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 12.24 / 84
p0 21.44 ± 0.2482
pull
Entries 85
Mean −54.46
Std Dev 94.63

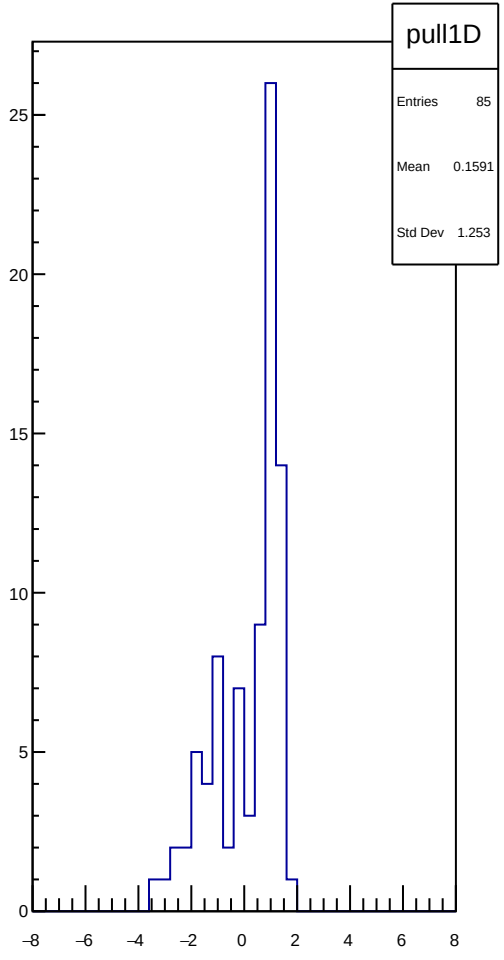

pull1D
Entries 85
Mean 0.02928
Std Dev 0.3783

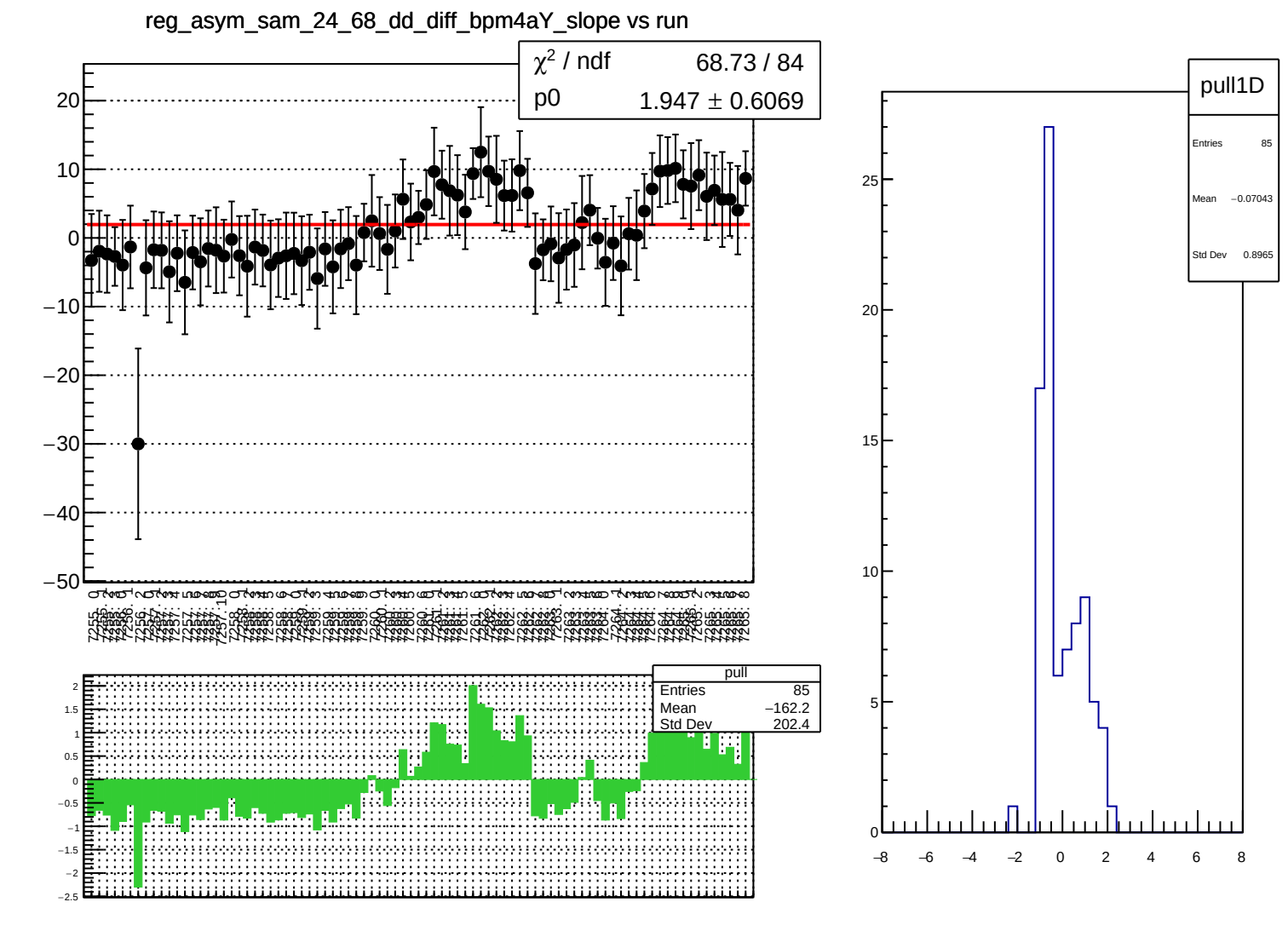

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.79 / 84
p0 23.19 ± 0.2133
pull
Entries 85
Mean −361.7
Std Dev 400.2
pull1D
Entries 85
Mean −0.02303
Std Dev 0.5713

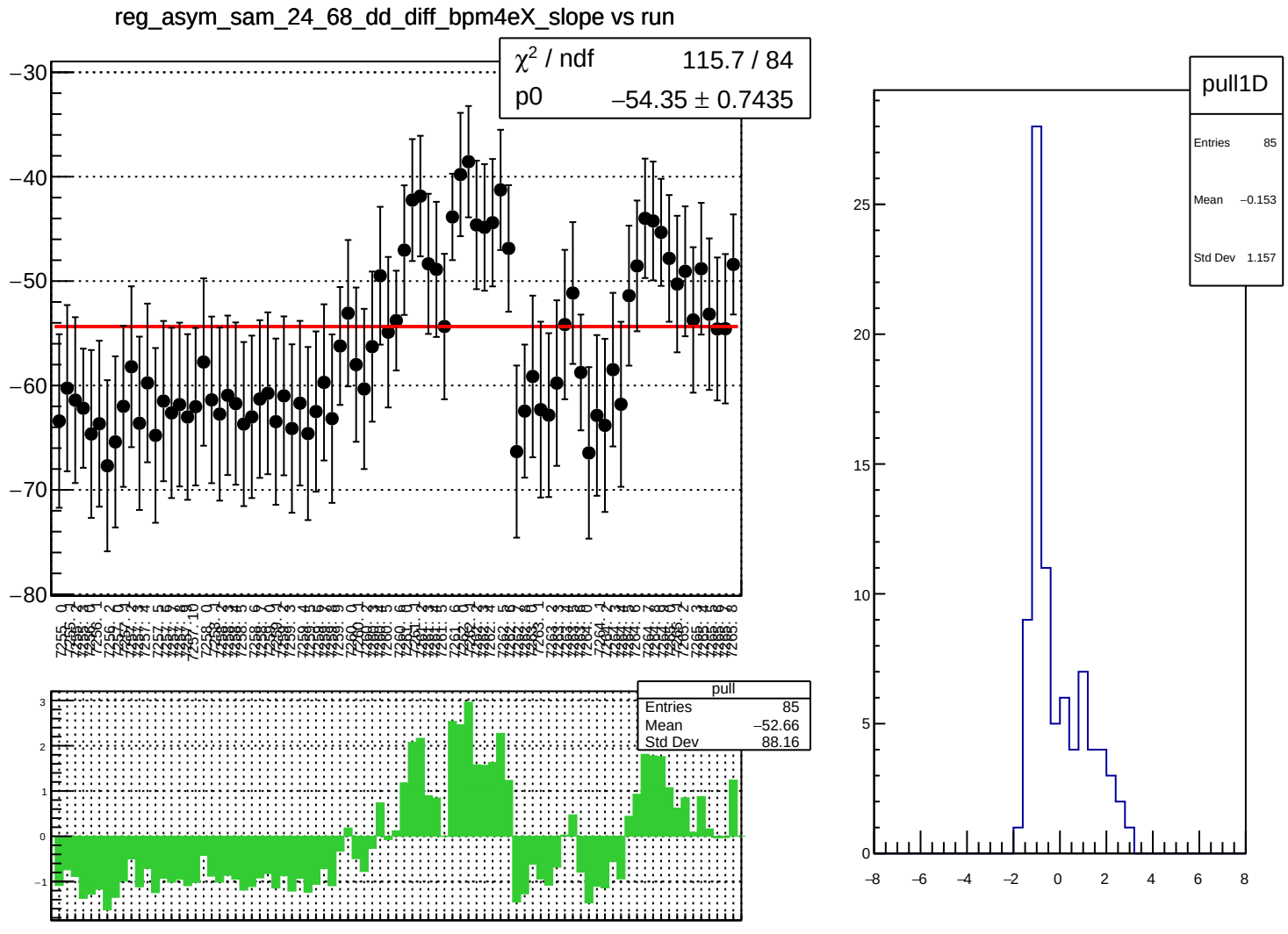

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 4.386 / 84
p0 −0.09257 ± 0.009048
pull
Entries 85
Mean 831.6
Std Dev 789.9

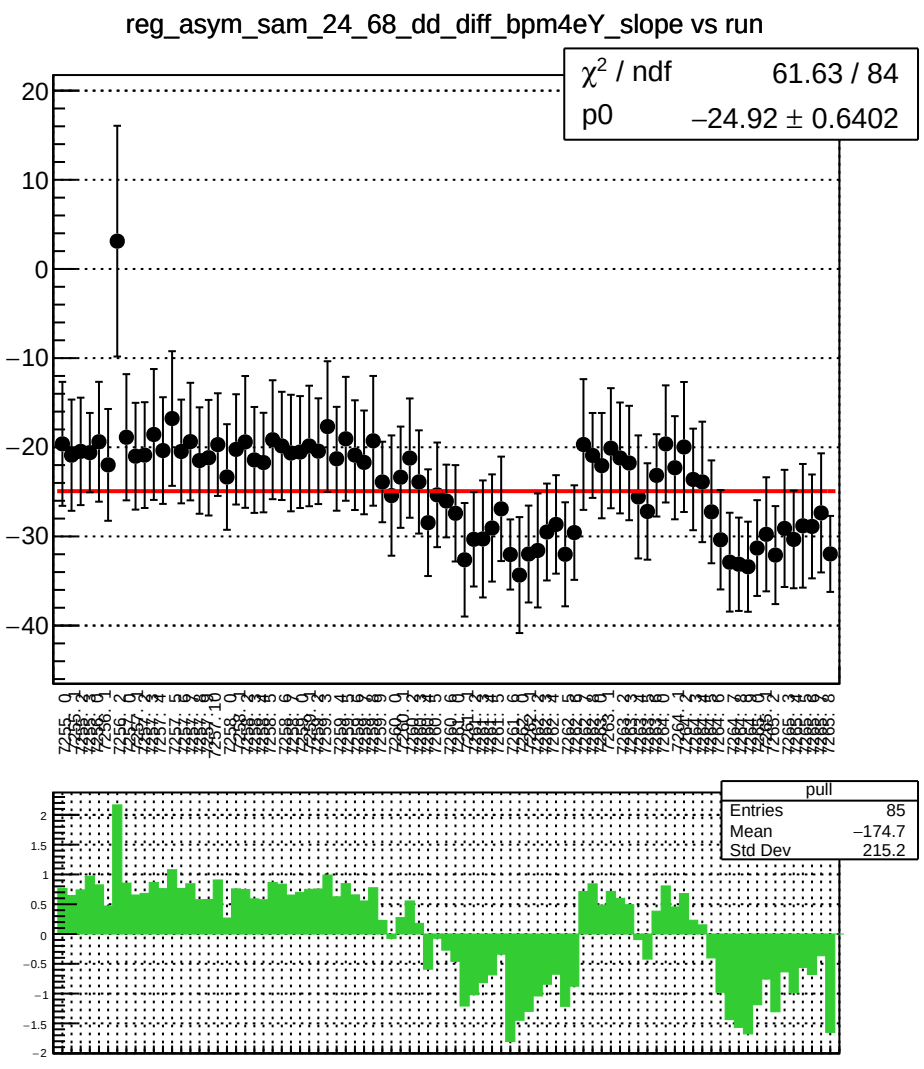

pull1D
Entries 85
Mean −0.001922
Std Dev 0.2271

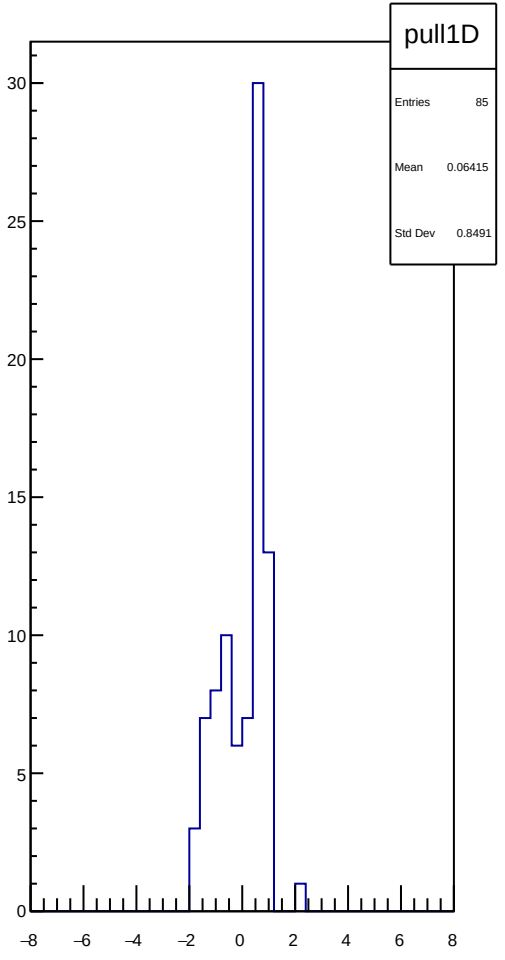

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 135.5 / 84
p0 −34.36 ± 0.6857
pull
Entries 85
Mean −58.76
Std Dev 94.56

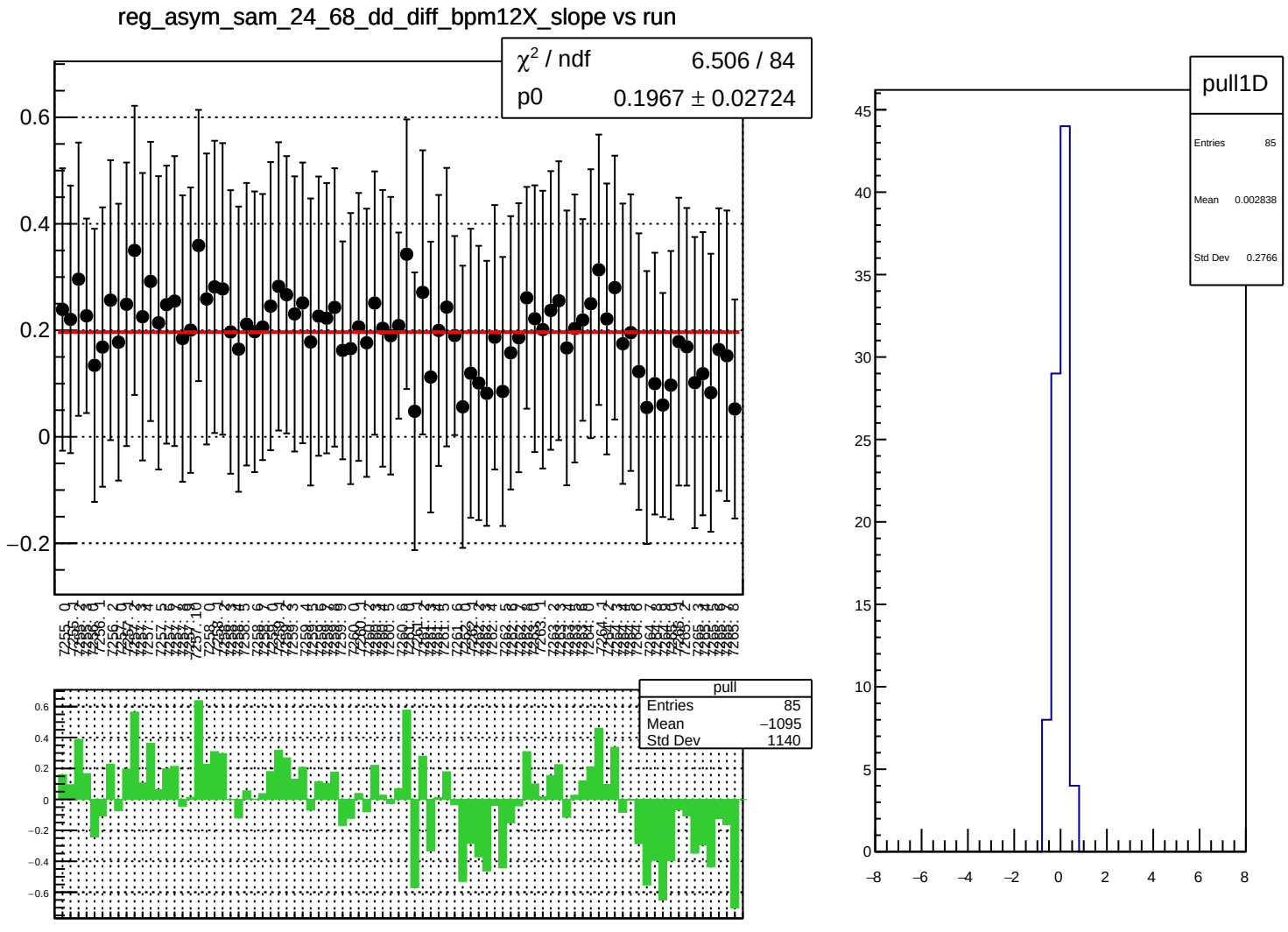

pull1D
Entries 85
Mean 0.1591
Std Dev 1.253

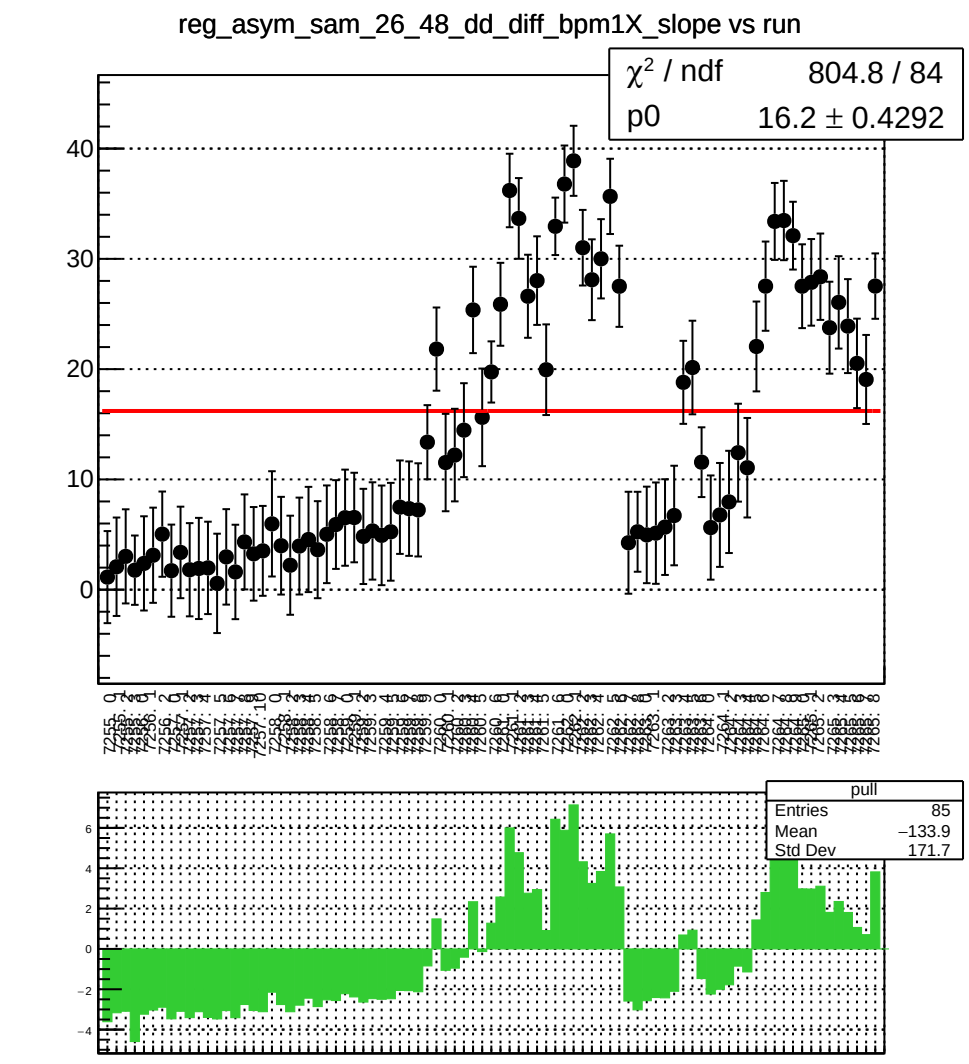

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 68.73 / 84
p0 1.947 ± 0.6069
pull
Entries 85
Mean −162.2
Std Dev 202.4
pull1D
Entries 85
Mean −0.07043
Std Dev 0.8965

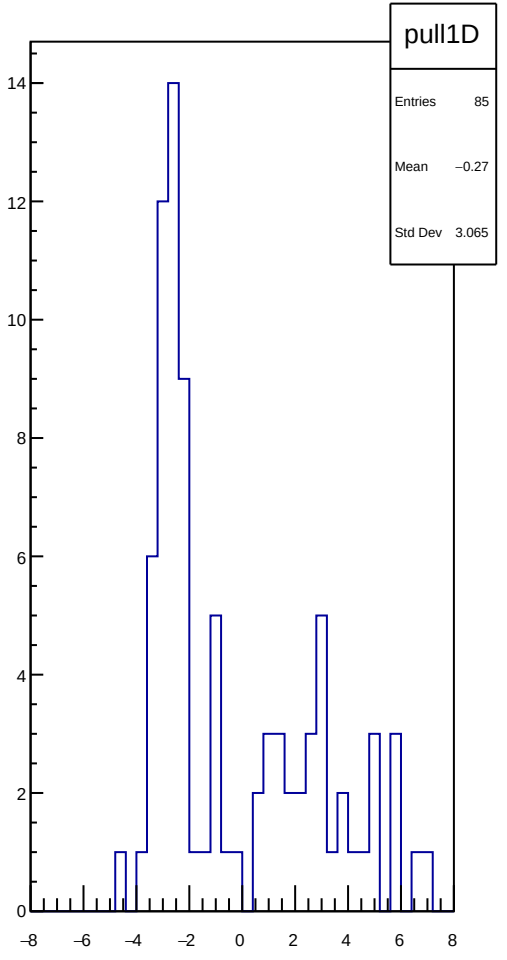

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 115.7 / 84
p0 −54.35 ± 0.7435
pull
Entries 85
Mean −52.66
Std Dev 88.16
pull1D
Entries 85
Mean −0.153
Std Dev 1.157

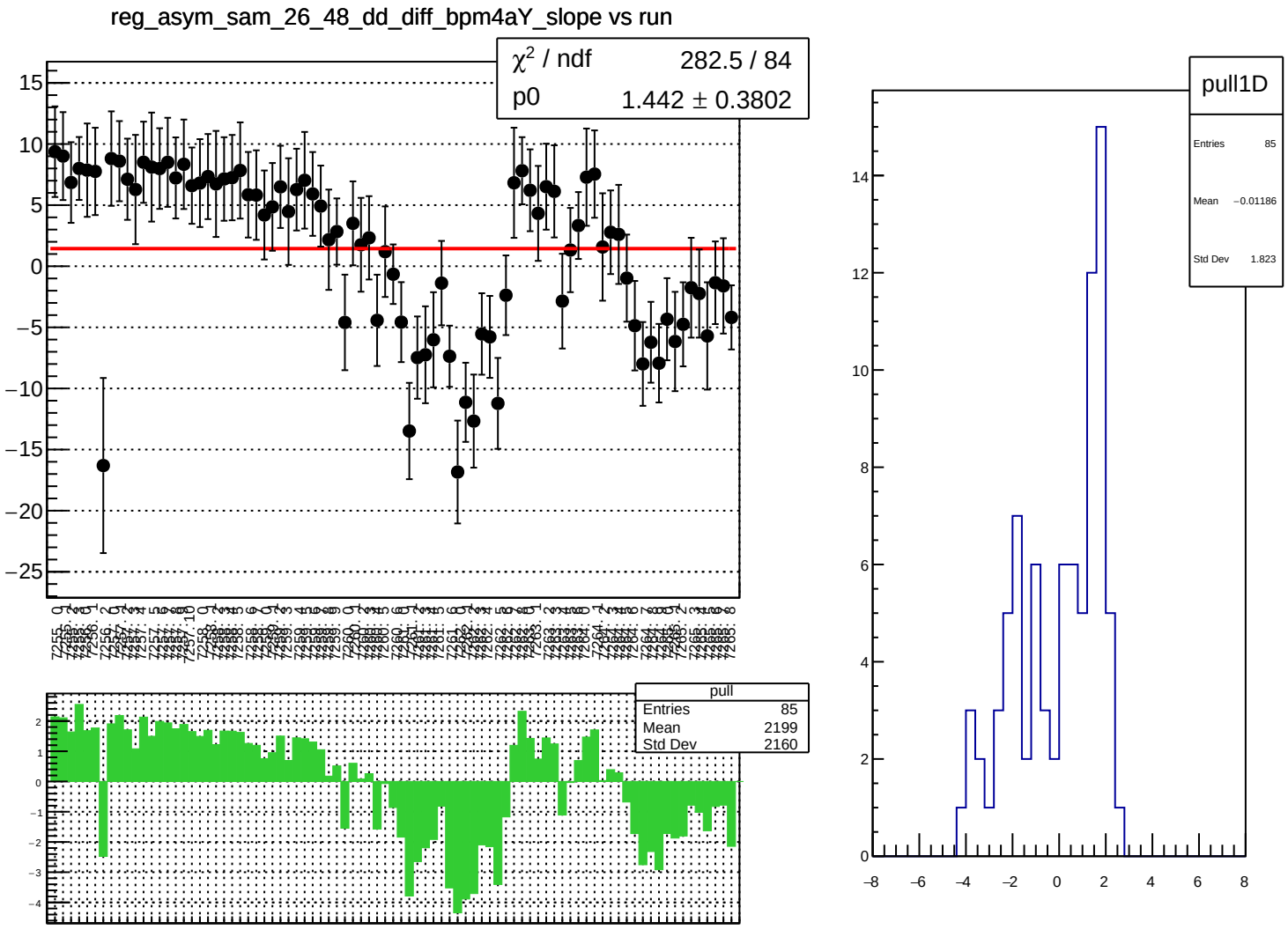

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.63 / 84
p0 −24.92 ± 0.6402
pull
Entries 85
Mean −174.7
Std Dev 215.2

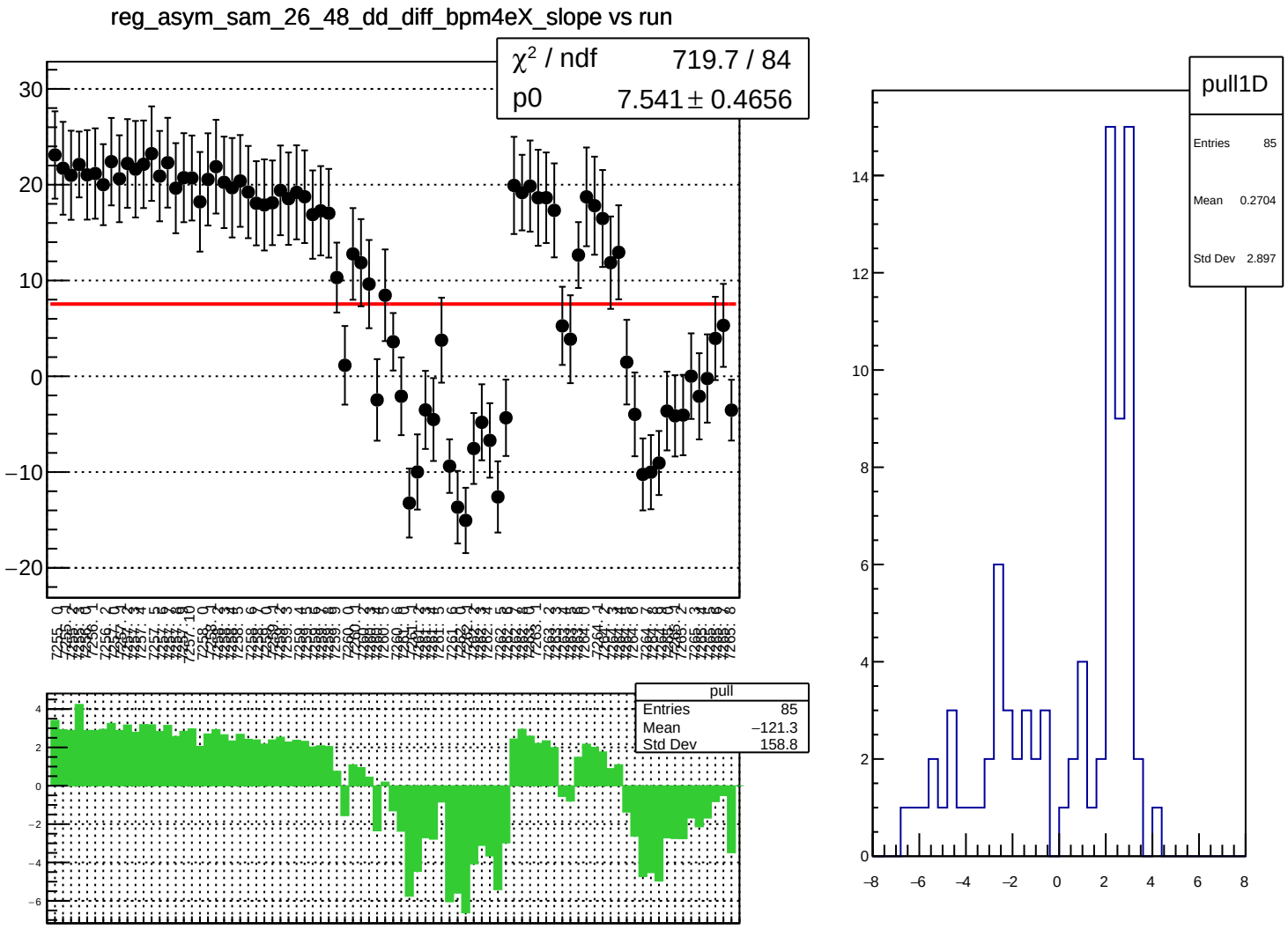

pull1D
Entries 85
Mean 0.06415
Std Dev 0.8491

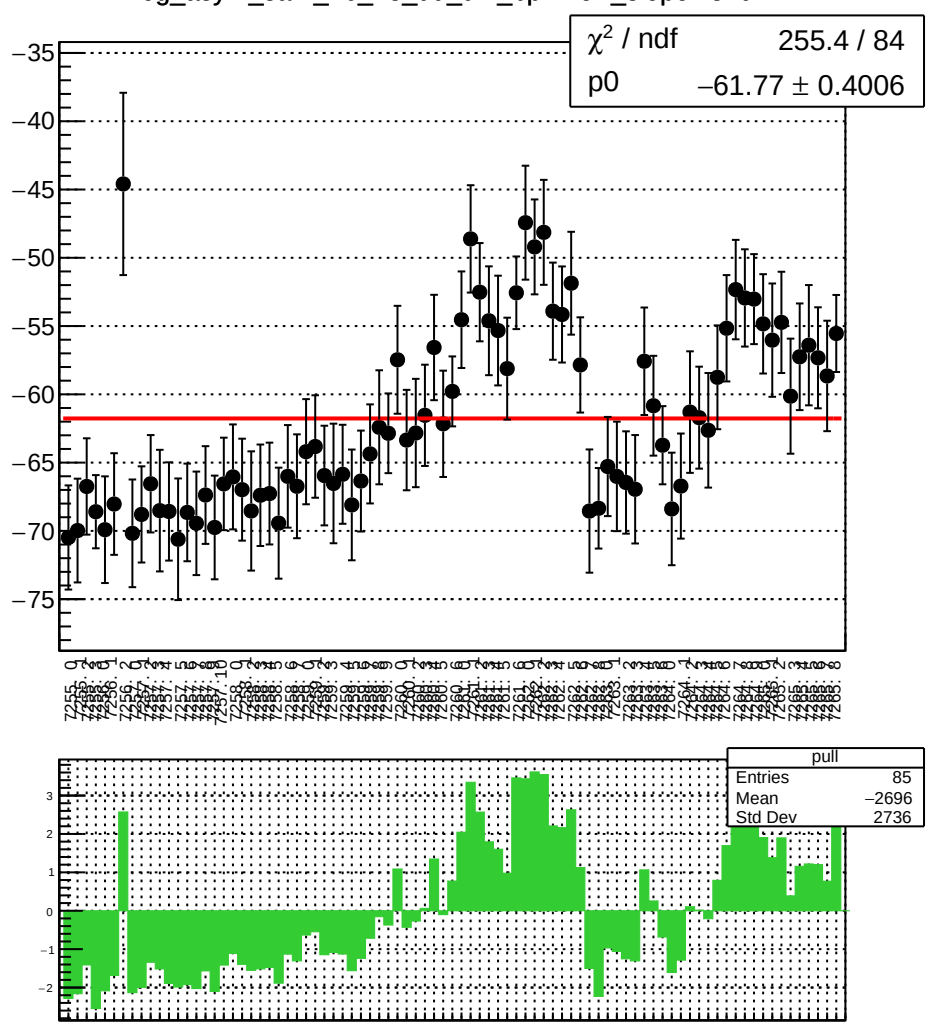

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 6.506 / 84
p0 0.1967 ± 0.02724
pull
Entries 85
Mean −1095
Std Dev 1140
pull1D
Entries 85
Mean 0.002838
Std Dev 0.2766

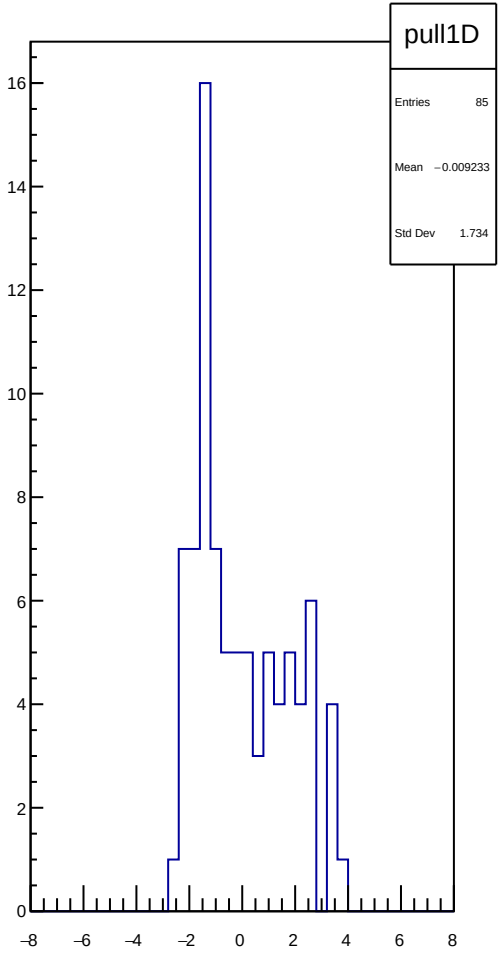

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 804.8 / 84
p0 16.2 ± 0.4292
pull
Entries 85
Mean −133.9
Std Dev 171.7

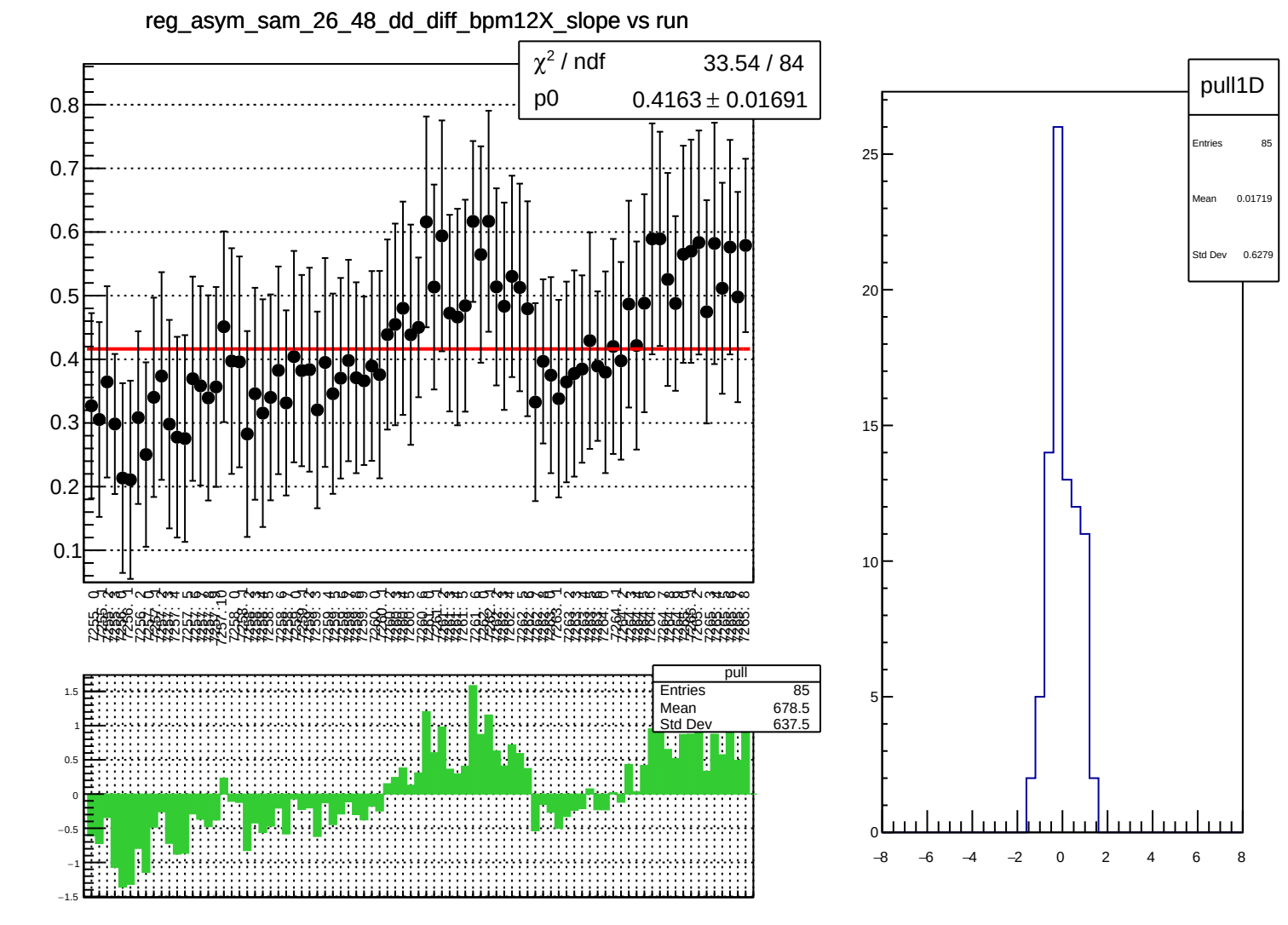

pull1D
Entries 85
Mean −0.27
Std Dev 3.065

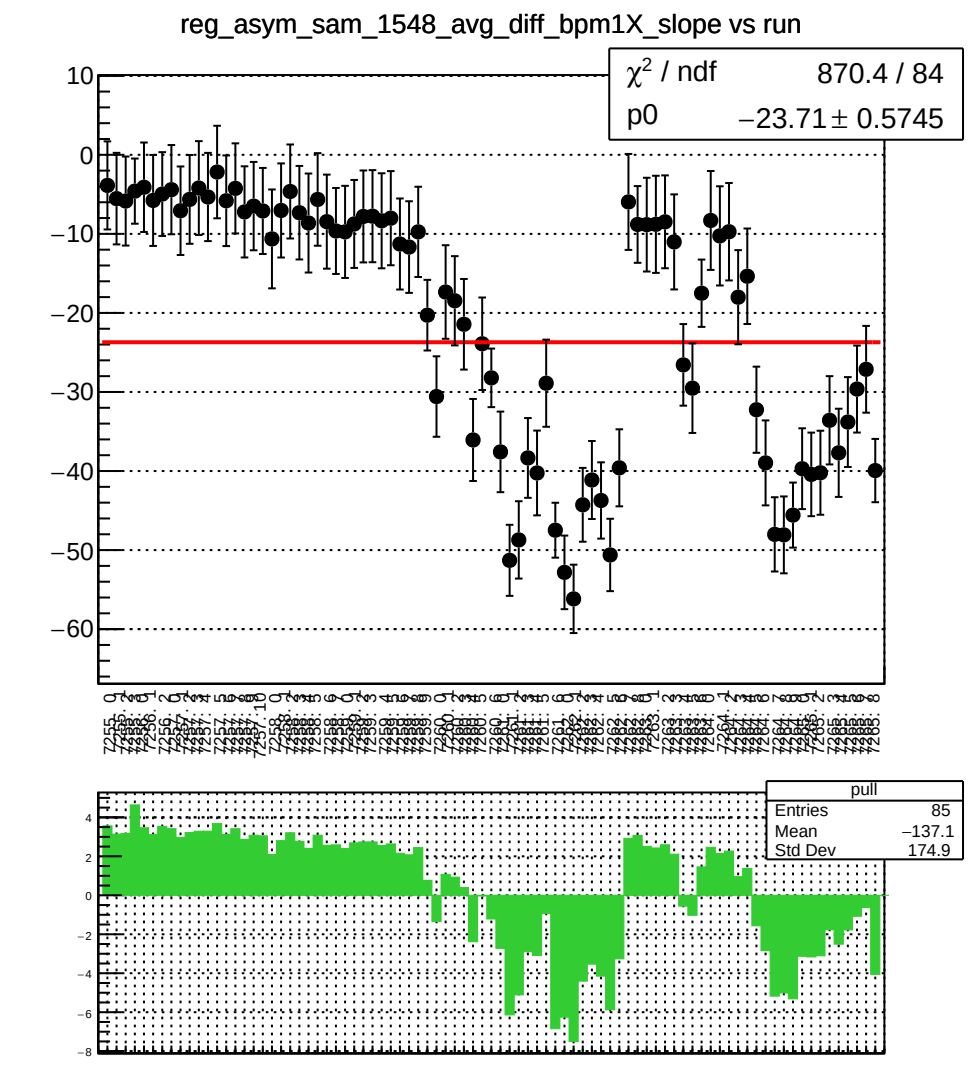

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 282.5 / 84
p0 1.442 ± 0.3802
pull
Entries 85
Mean 2199
Std Dev 2160
pull1D
Entries 85
Mean −0.01186
Std Dev 1.823

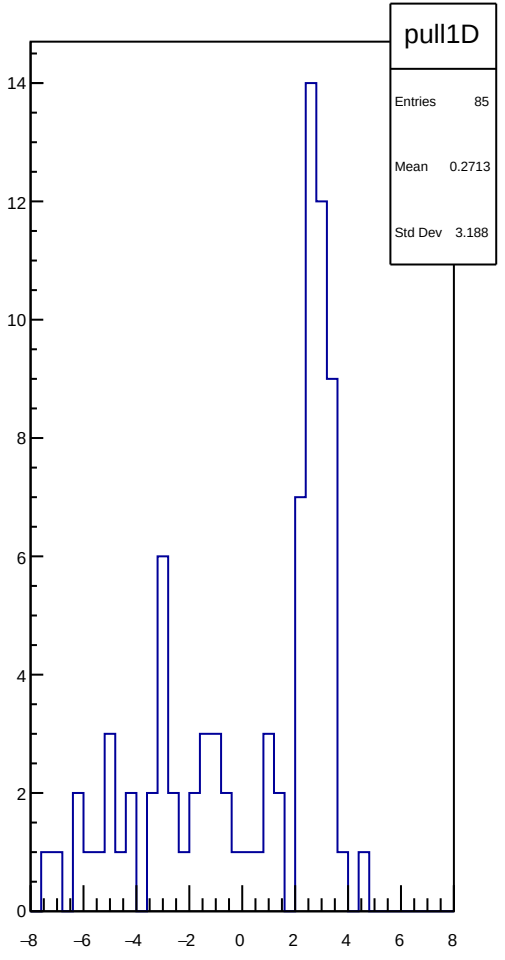

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 719.7 / 84
p0 7.541 ± 0.4656
pull
Entries 85
Mean −121.3
Std Dev 158.8
pull1D
Entries 85
Mean 0.2704
Std Dev 2.897

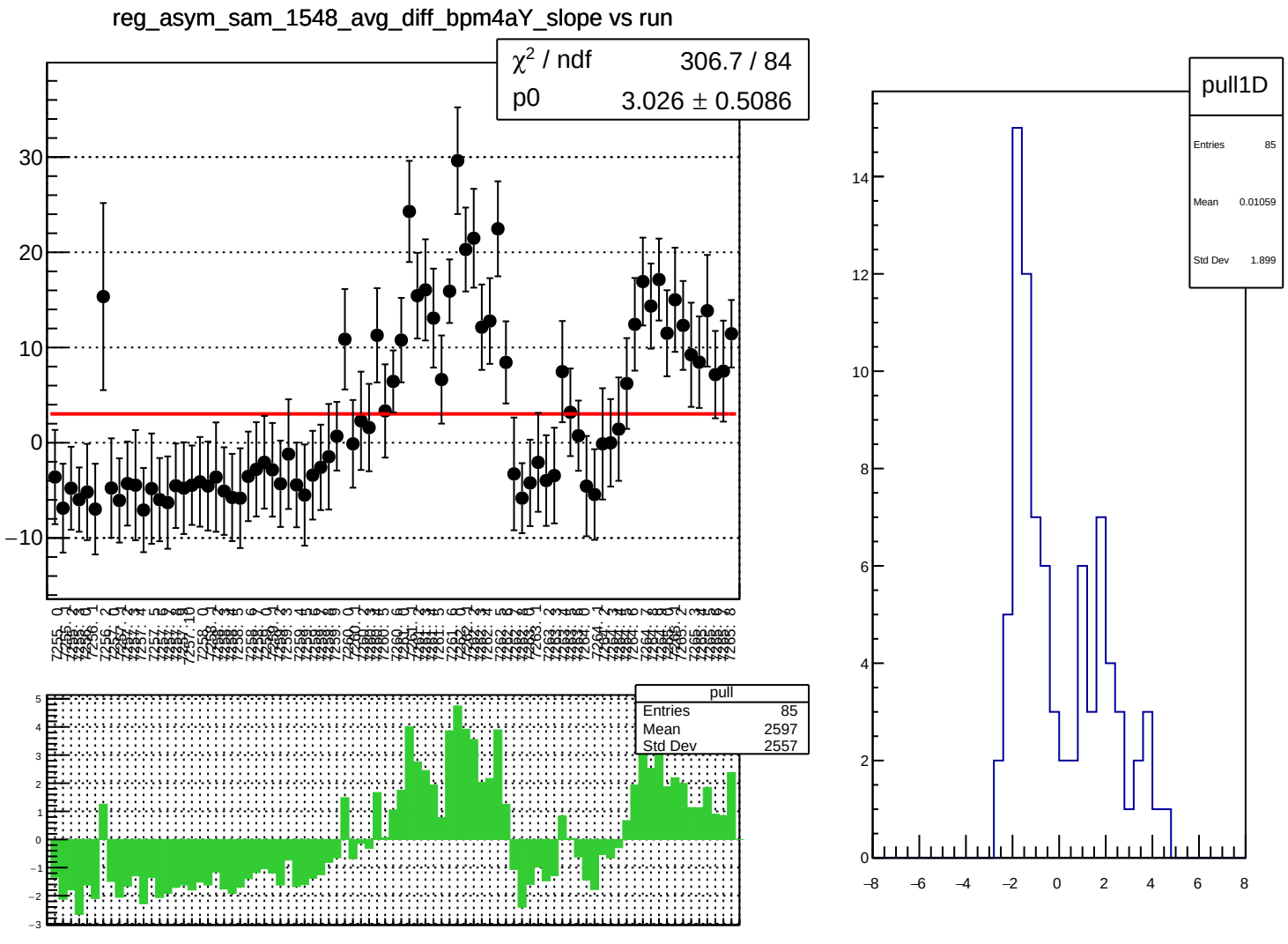

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 255.4 / 84
p0 −61.77 ± 0.4006
pull
Entries 85
Mean −2696
Std Dev 2736

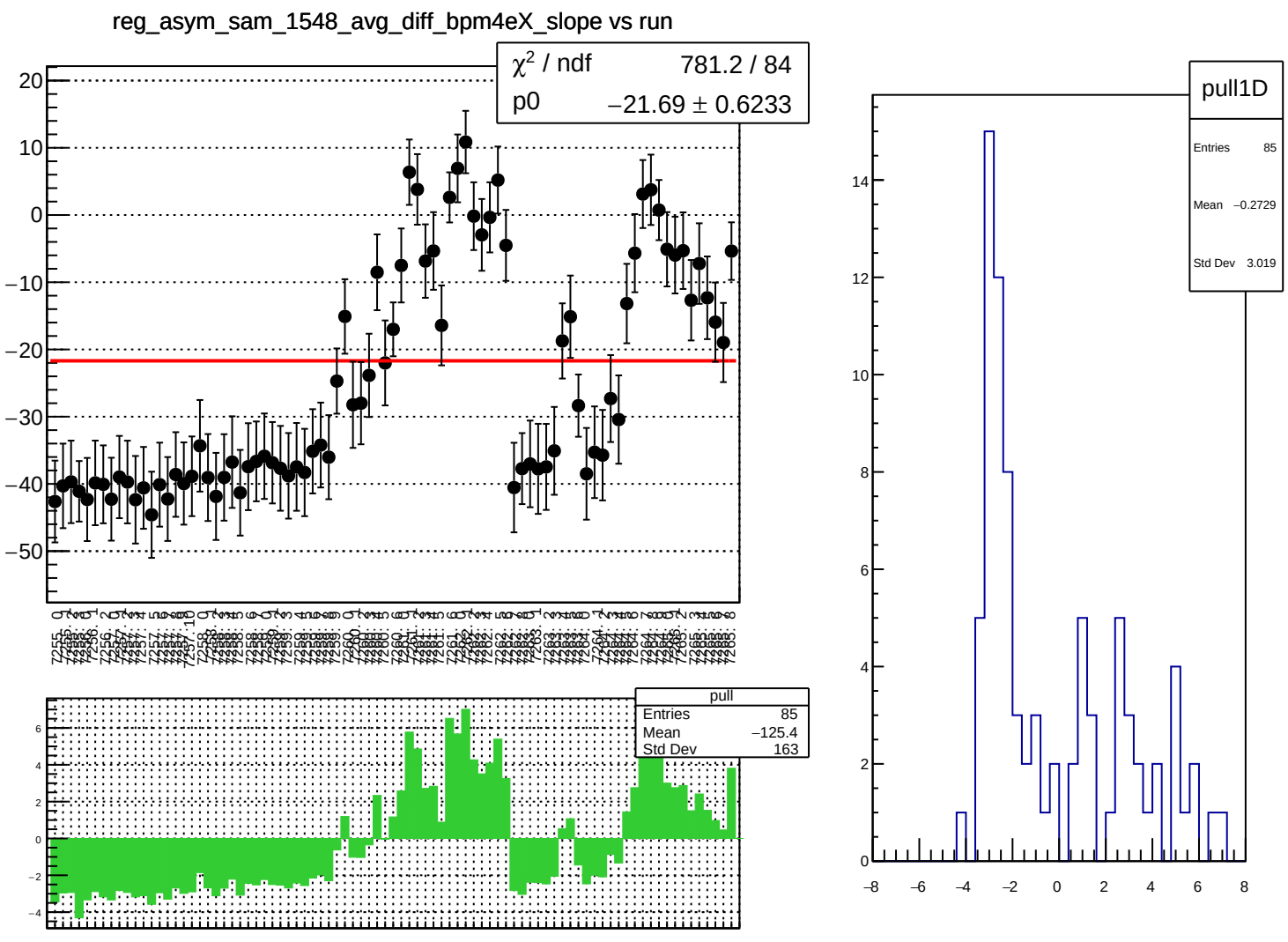

pull1D
Entries 85
Mean −0.009233
Std Dev 1.734

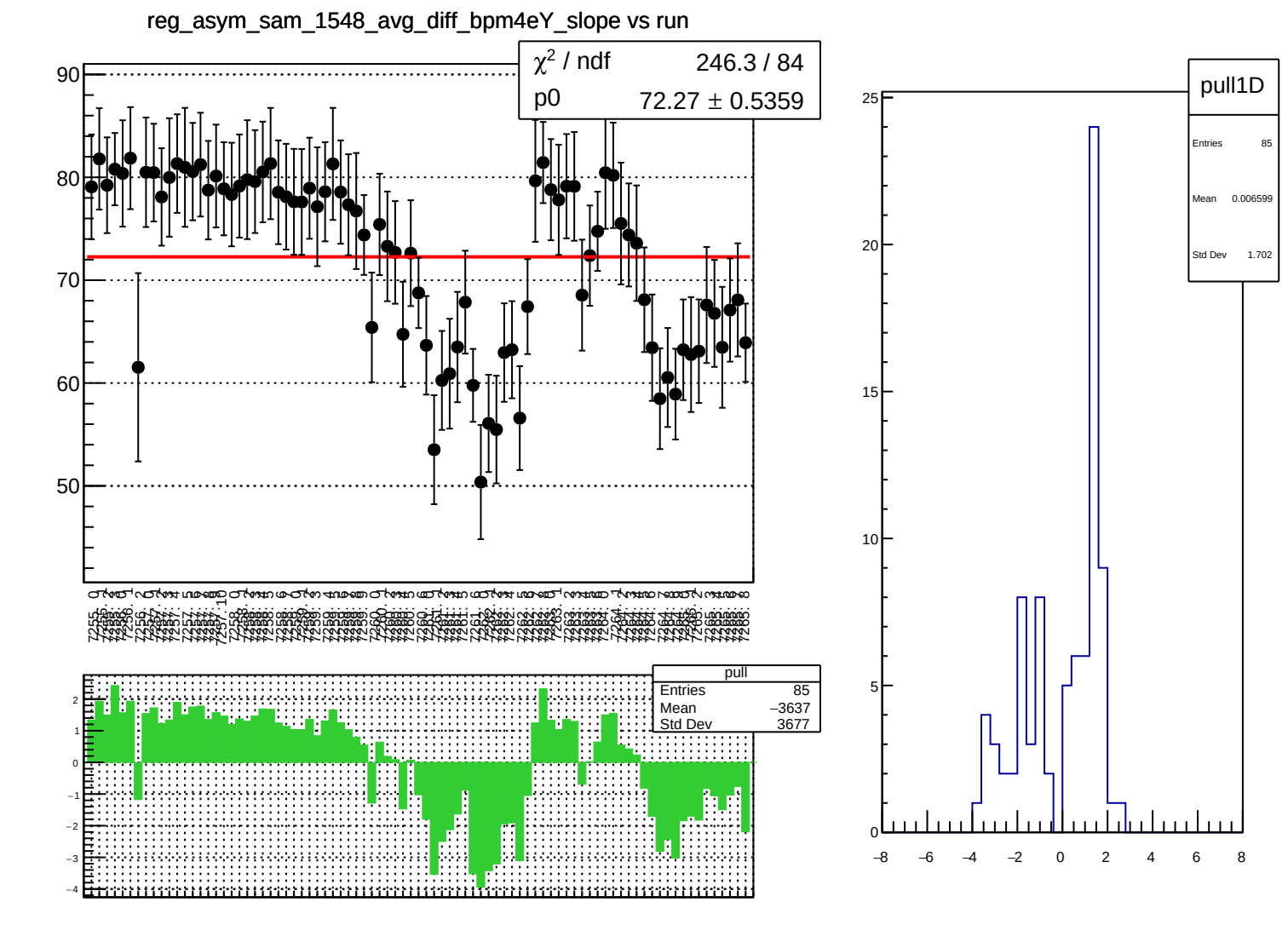

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 33.54 / 84
p0 0.4163 ± 0.01691
pull
Entries 85
Mean 678.5
Std Dev 637.5
pull1D
Entries 85
Mean 0.01719
Std Dev 0.6279

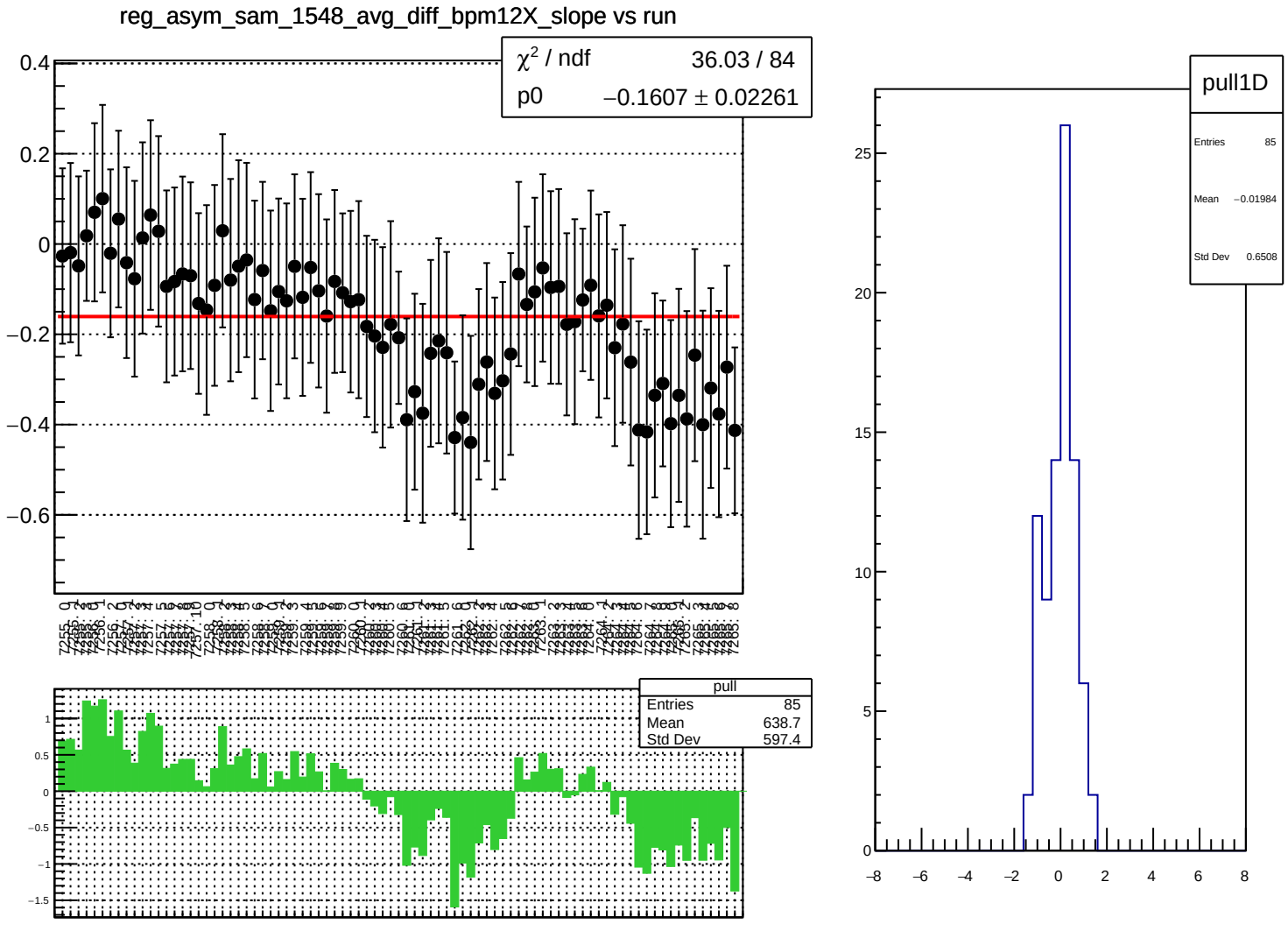

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 870.4 / 84
p0 −23.71 ± 0.5745
pull
Entries 85
Mean −137.1
Std Dev 174.9

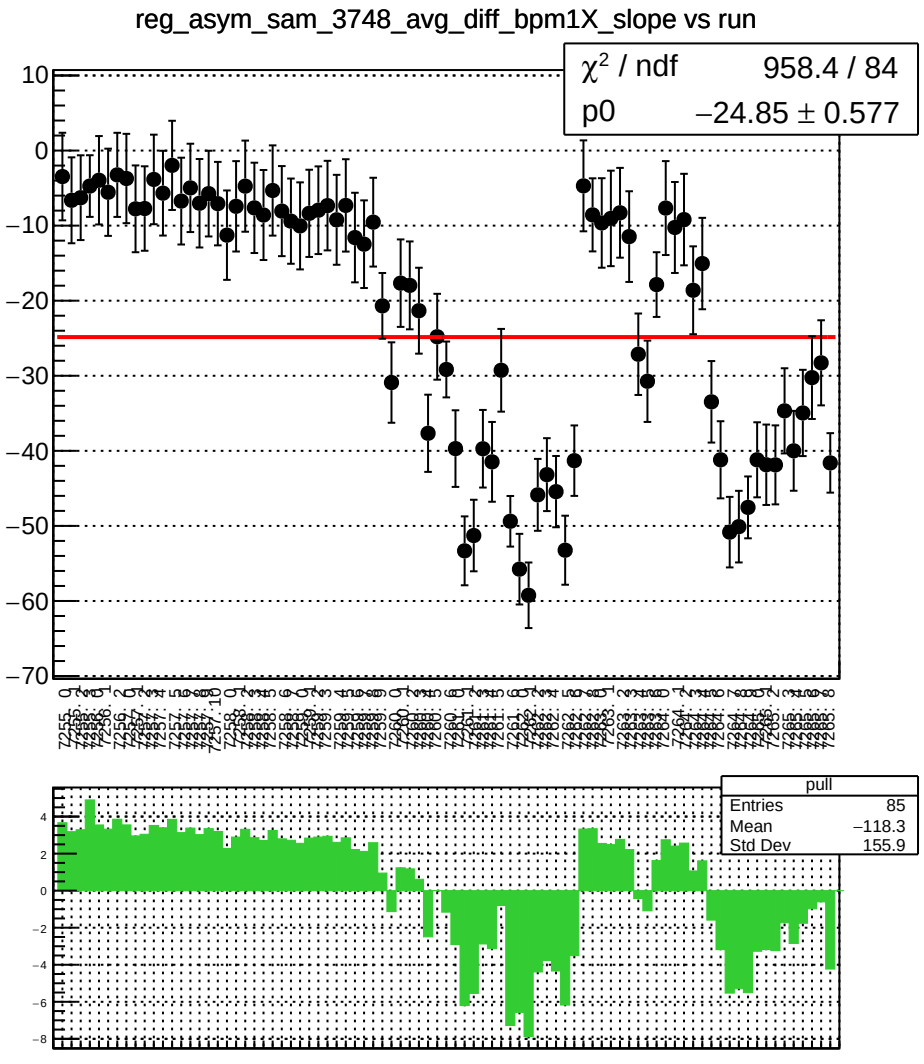

pull1D
Entries 85
Mean 0.2713
Std Dev 3.188

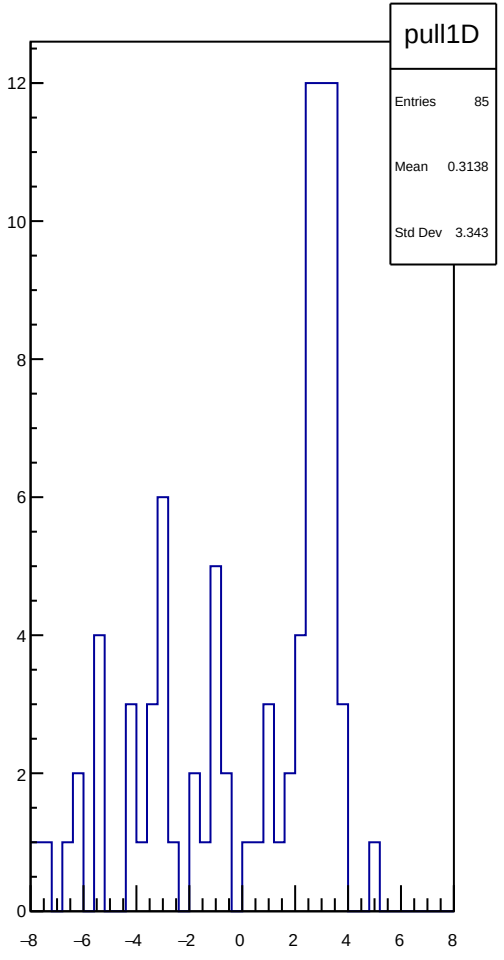

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 306.7 / 84
p0 3.026 ± 0.5086
pull
Entries 85
Mean 2597
Std Dev 2557
pull1D
Entries 85
Mean 0.01059
Std Dev 1.899

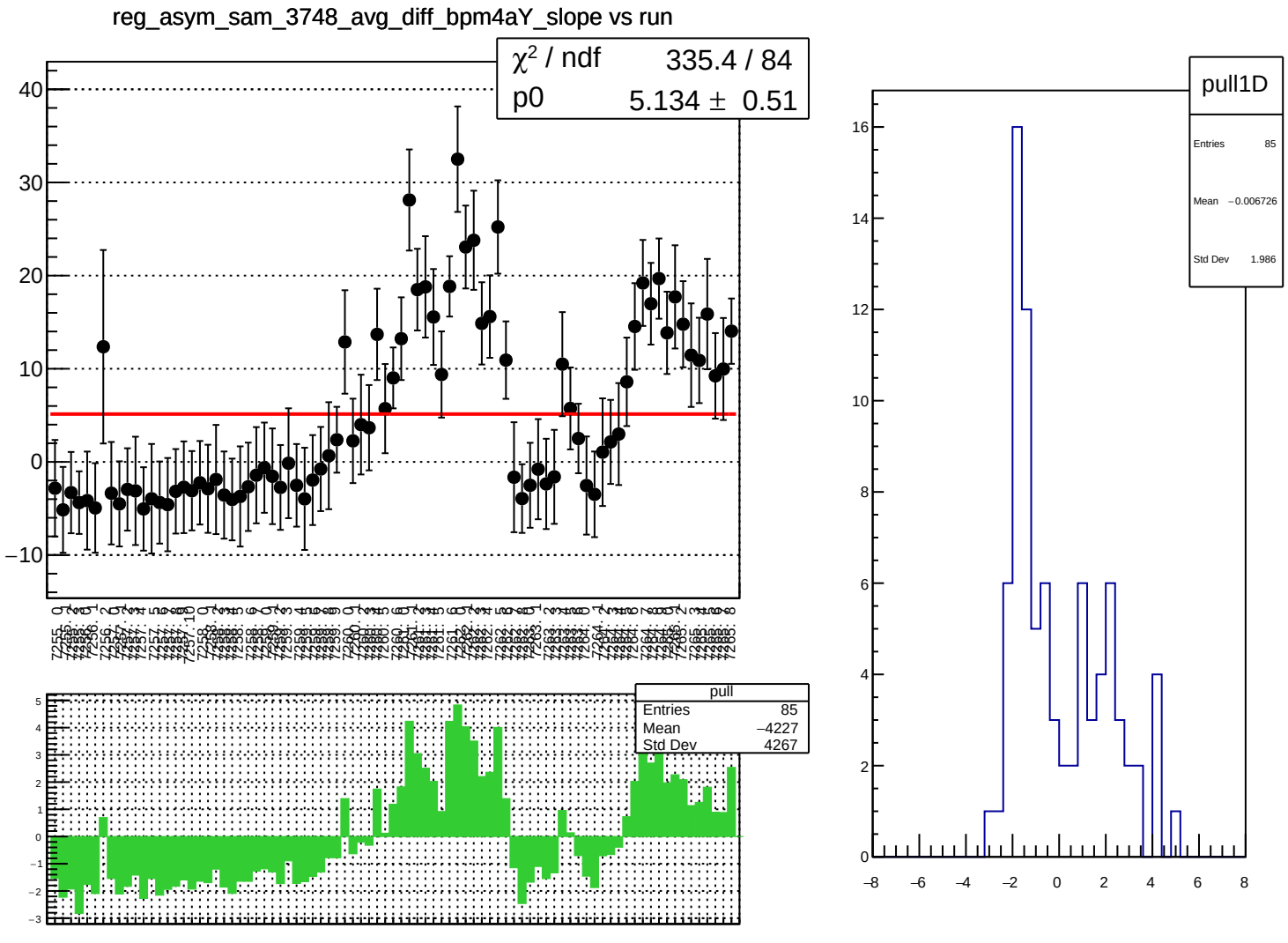

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 781.2 / 84
p0 −21.69 ± 0.6233
pull
Entries 85
Mean −125.4
Std Dev 163
pull1D
Entries 85
Mean −0.2729
Std Dev 3.019

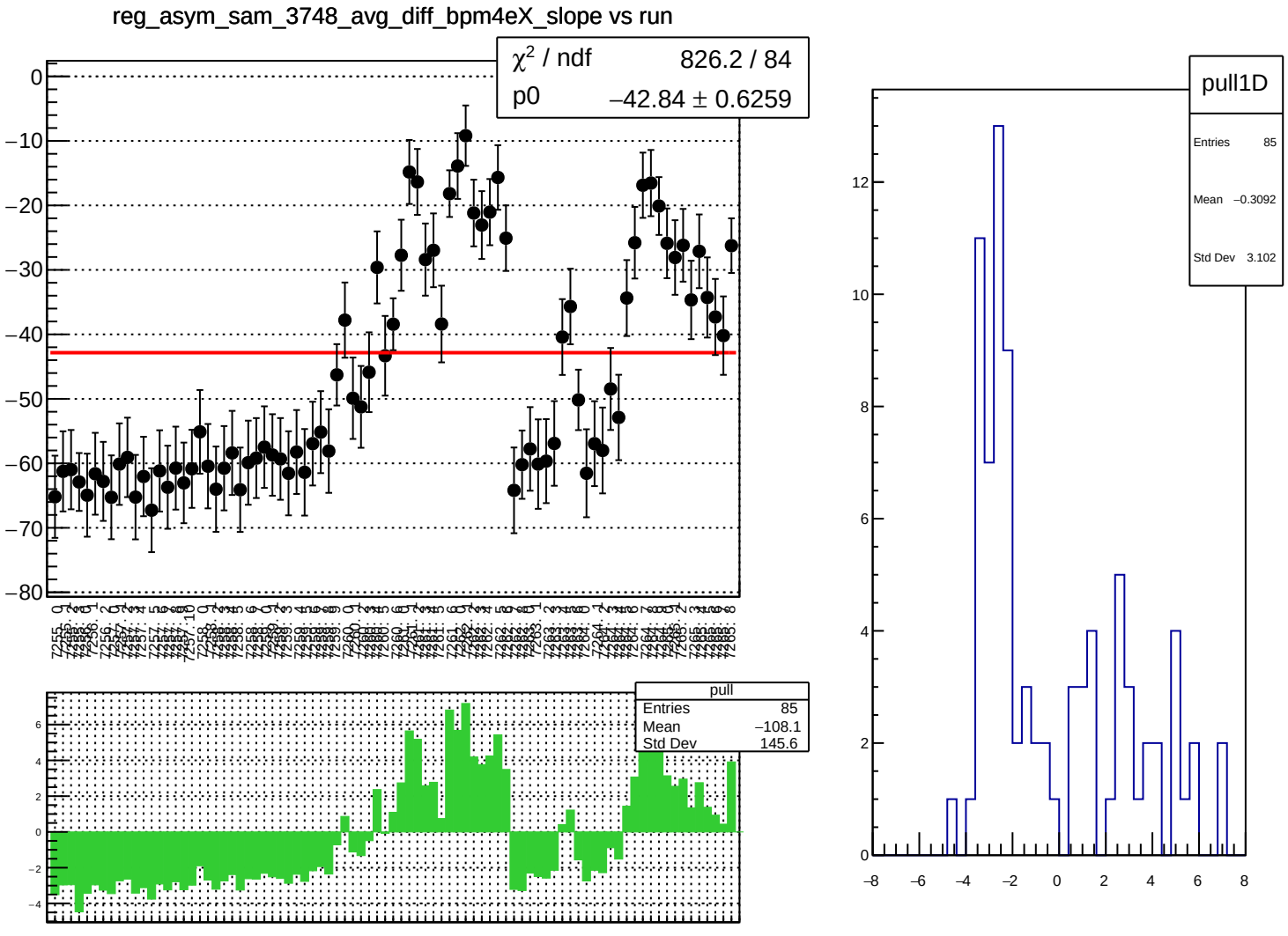

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 246.3 / 84
p0 72.27 ± 0.5359
pull
Entries 85
Mean −3637
Std Dev 3677
pull1D
Entries 85
Mean 0.006599
Std Dev 1.702

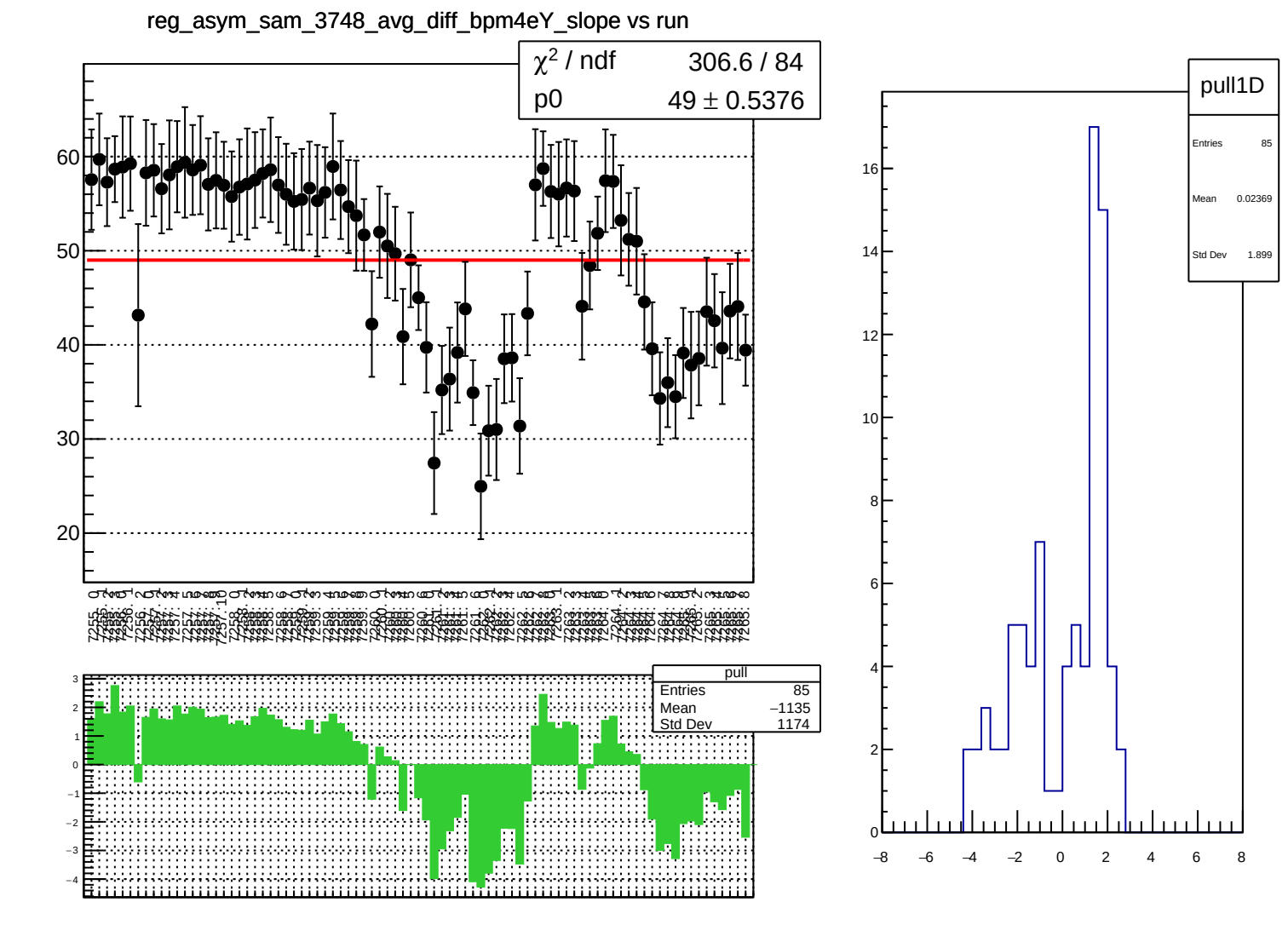

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 36.03 / 84
p0 −0.1607 ± 0.02261
pull
Entries 85
Mean 638.7
Std Dev 597.4
pull1D
Entries 85
Mean −0.01984
Std Dev 0.6508

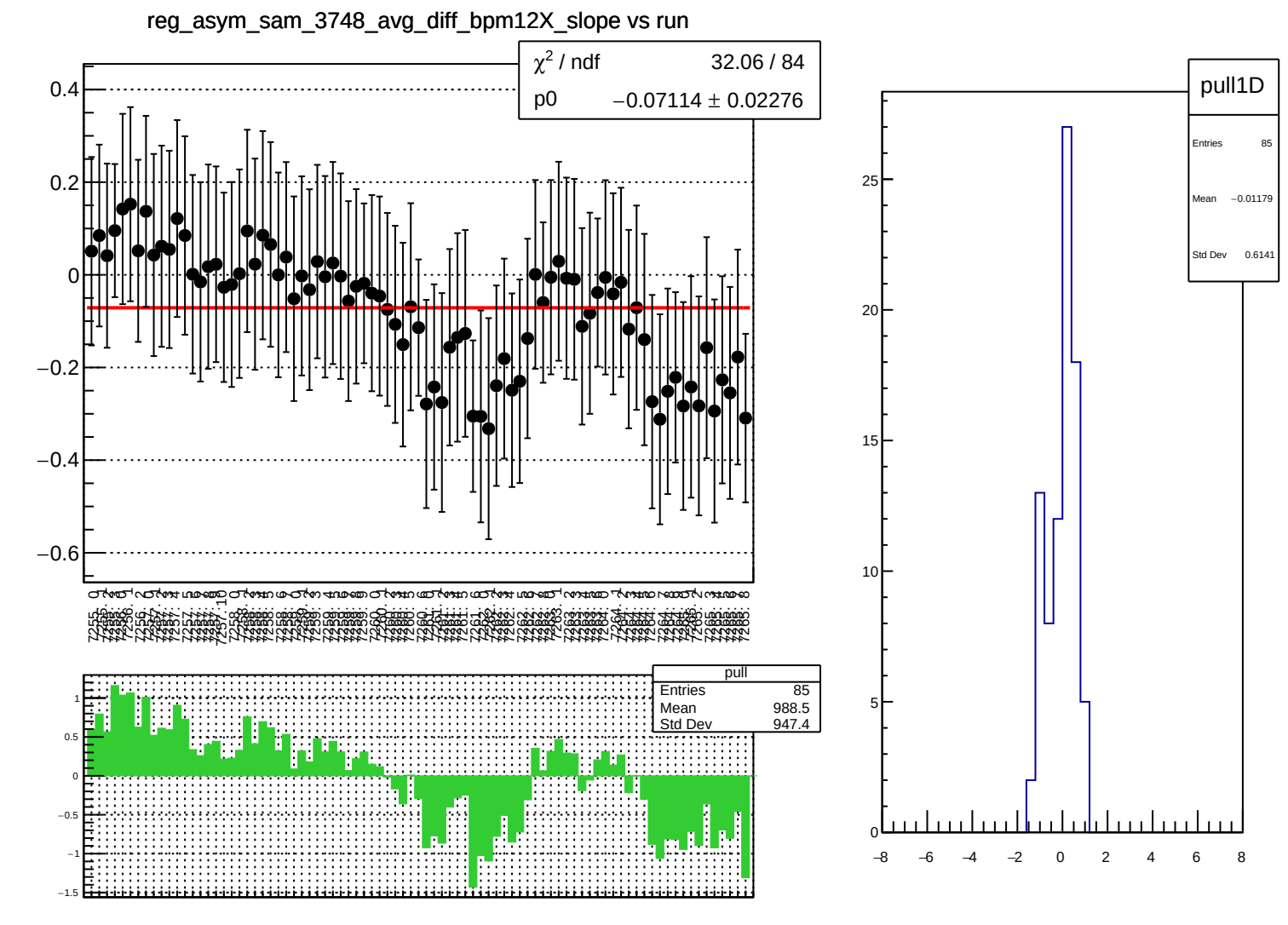

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 958.4 / 84
p0 −24.85 ± 0.577
pull
Entries 85
Mean −118.3
Std Dev 155.9

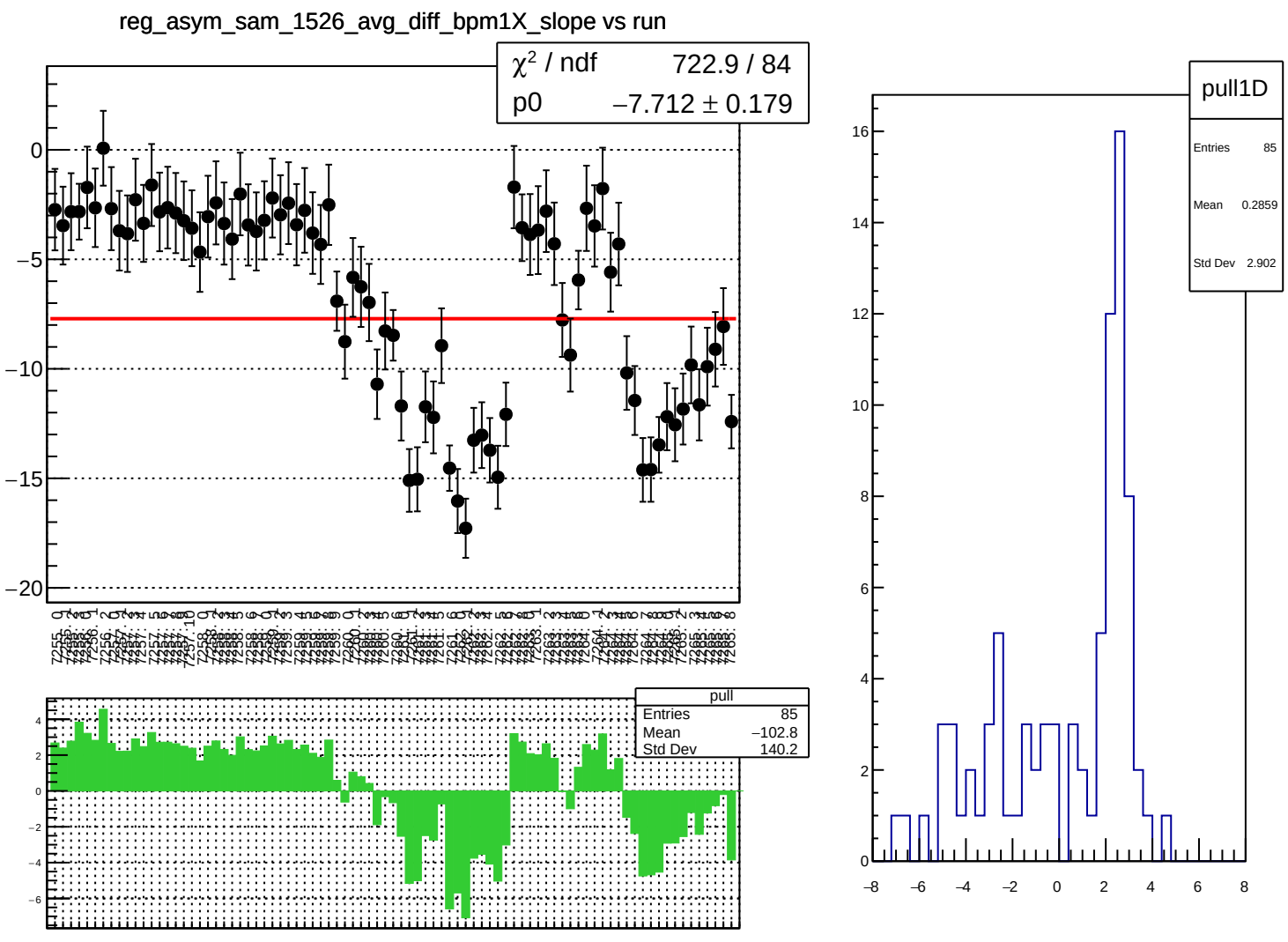

pull1D
Entries 85
Mean 0.3138
Std Dev 3.343

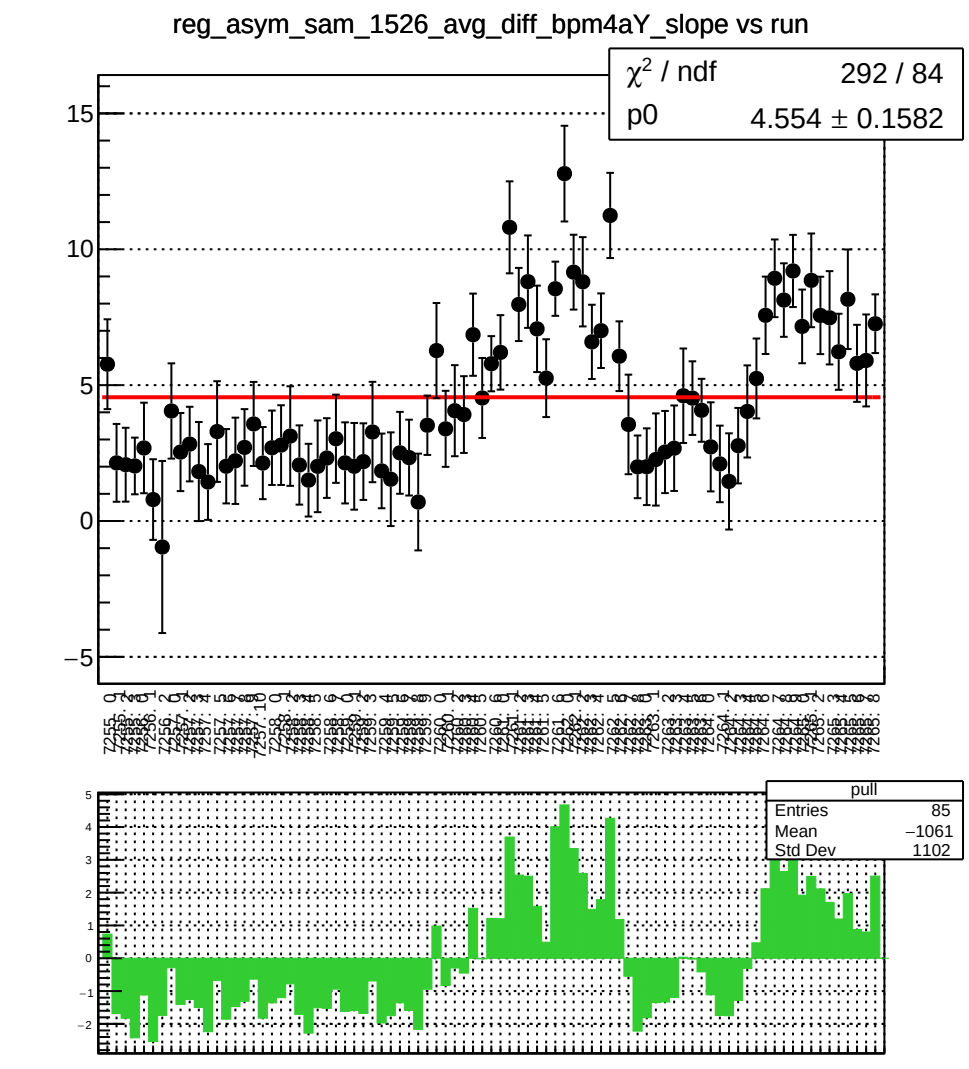

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 335.4 / 84
p0 5.134 ± 0.51
pull
Entries 85
Mean −4227
Std Dev 4267
pull1D
Entries 85
Mean −0.006726
Std Dev 1.986

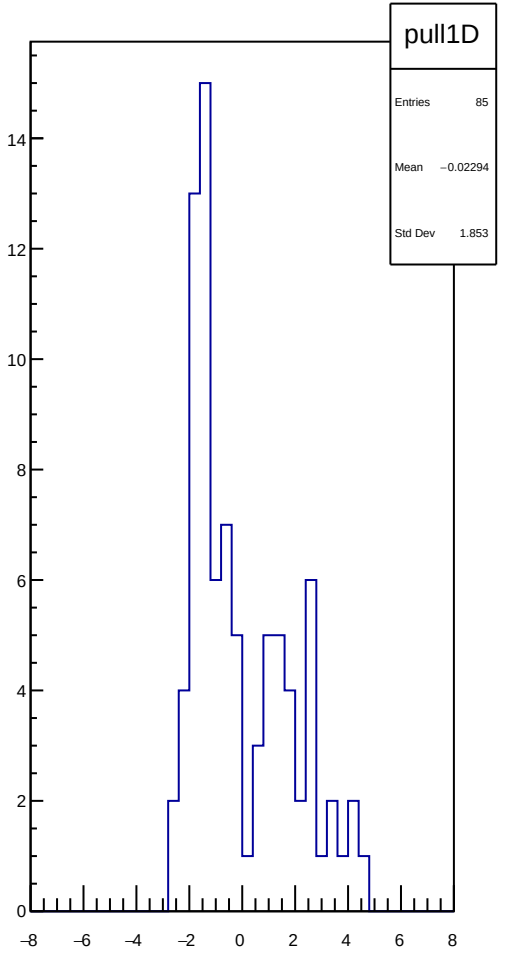

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 826.2 / 84
p0 −42.84 ± 0.6259
pull
Entries 85
Mean −108.1
Std Dev 145.6
pull1D
Entries 85
Mean −0.3092
Std Dev 3.102

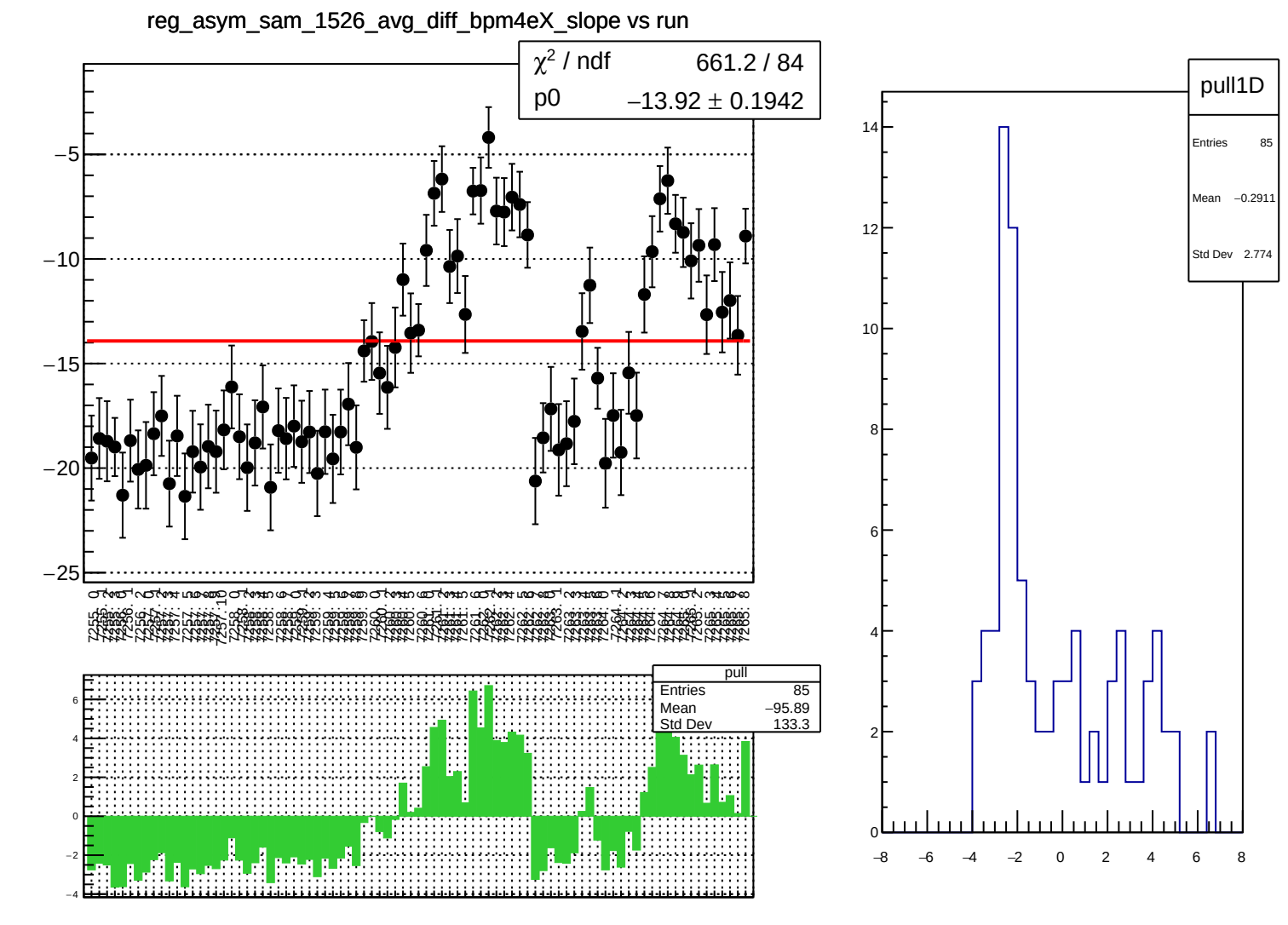

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 306.6 / 84
p0 49 ± 0.5376
60
50
40
30
20
pull
Entries 85
Mean −1135
Std Dev 1174
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 85
Mean 0.02369
Std Dev 1.899
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

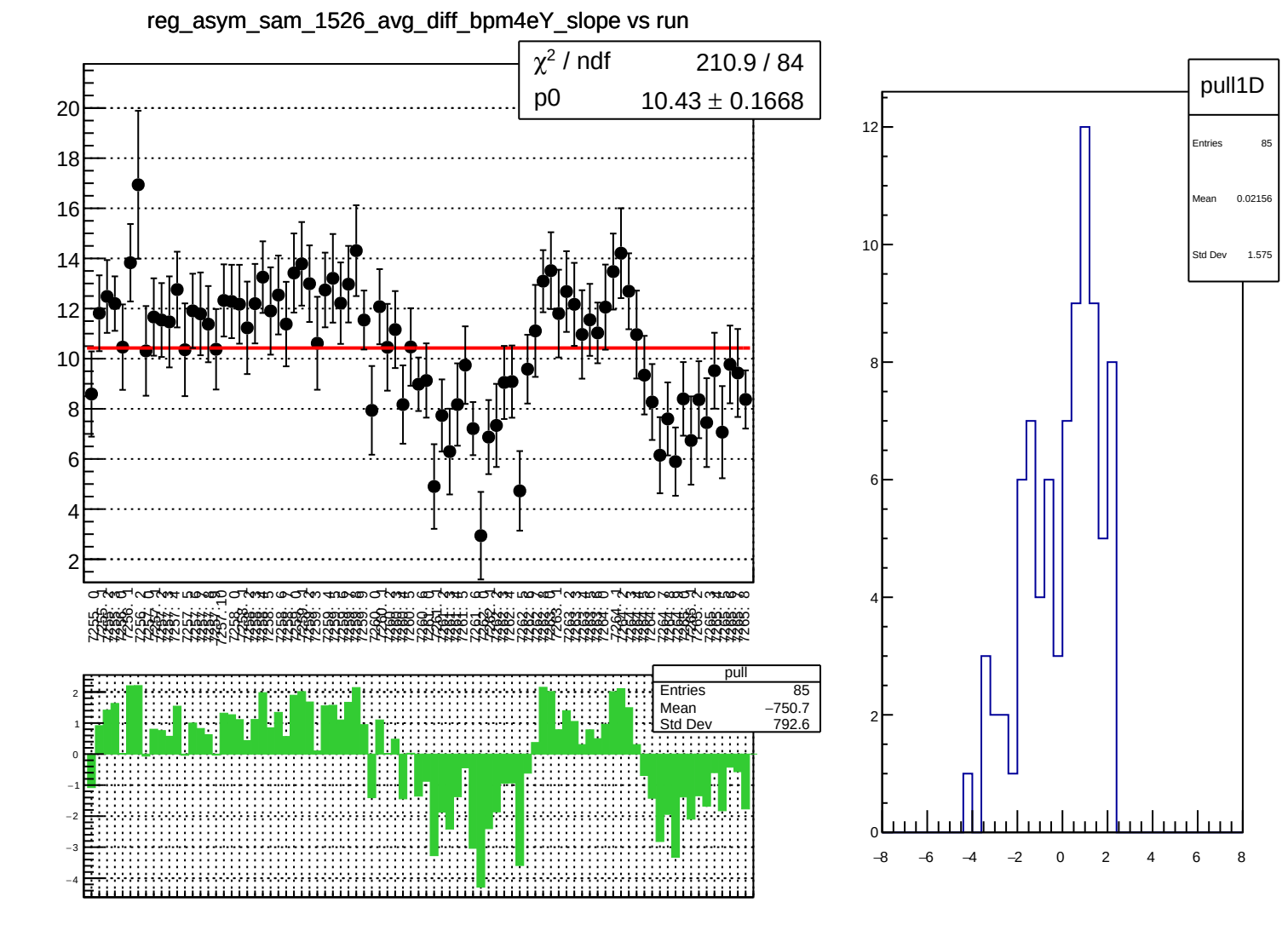

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 32.06 / 84
p0 −0.07114 ± 0.02276
pull
Entries 85
Mean 988.5
Std Dev 947.4
pull1D
Entries 85
Mean −0.01179
Std Dev 0.6141

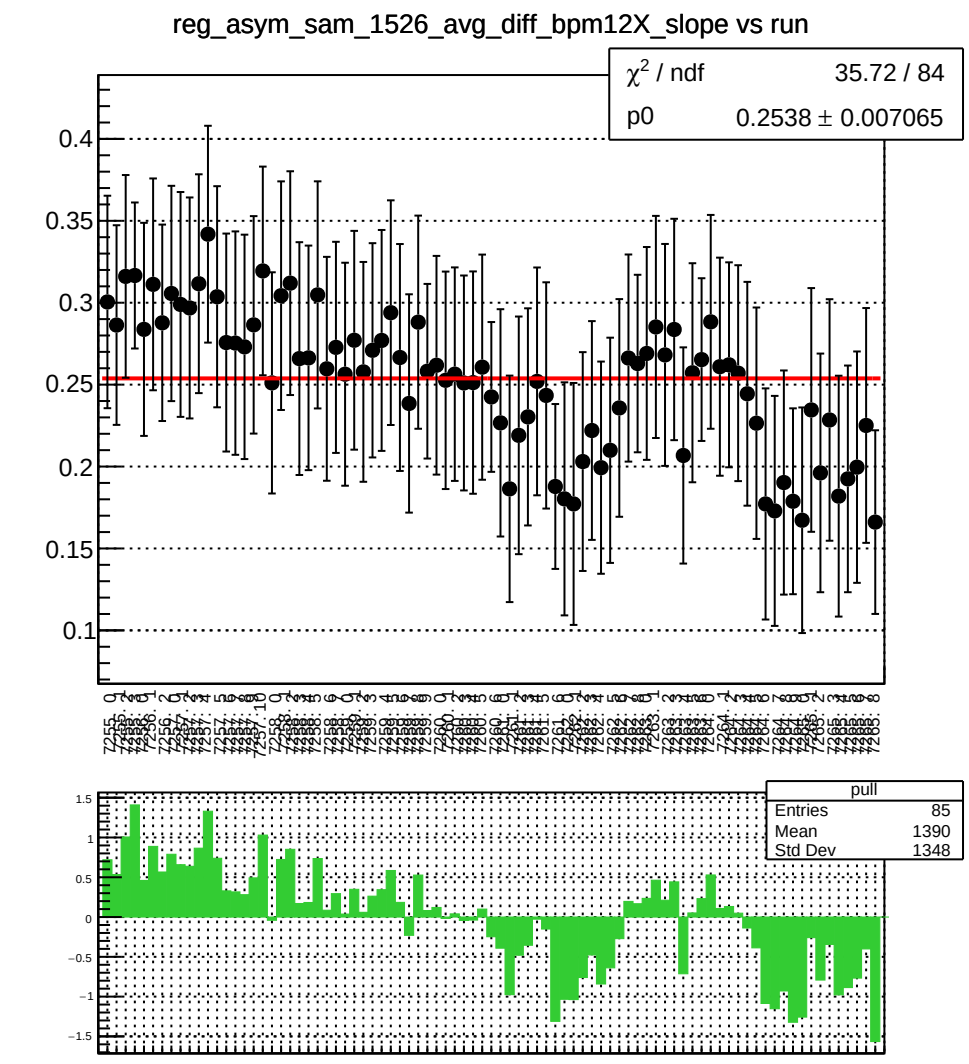

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 722.9 / 84
p0 −7.712 ± 0.179
pull
Entries 85
Mean −102.8
Std Dev 140.2
pull1D
Entries 85
Mean 0.2859
Std Dev 2.902

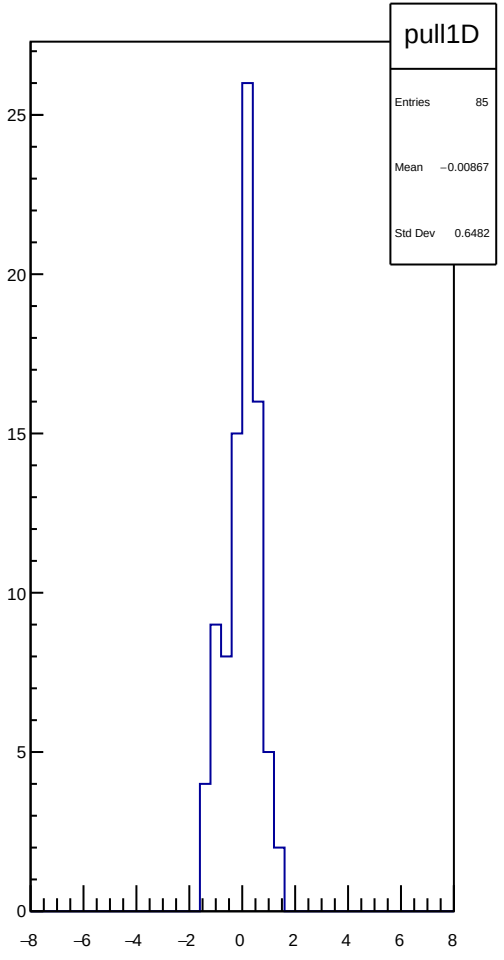

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 292 / 84
p0 4.554 ± 0.1582
pull
Entries 85
Mean −1061
Std Dev 1102

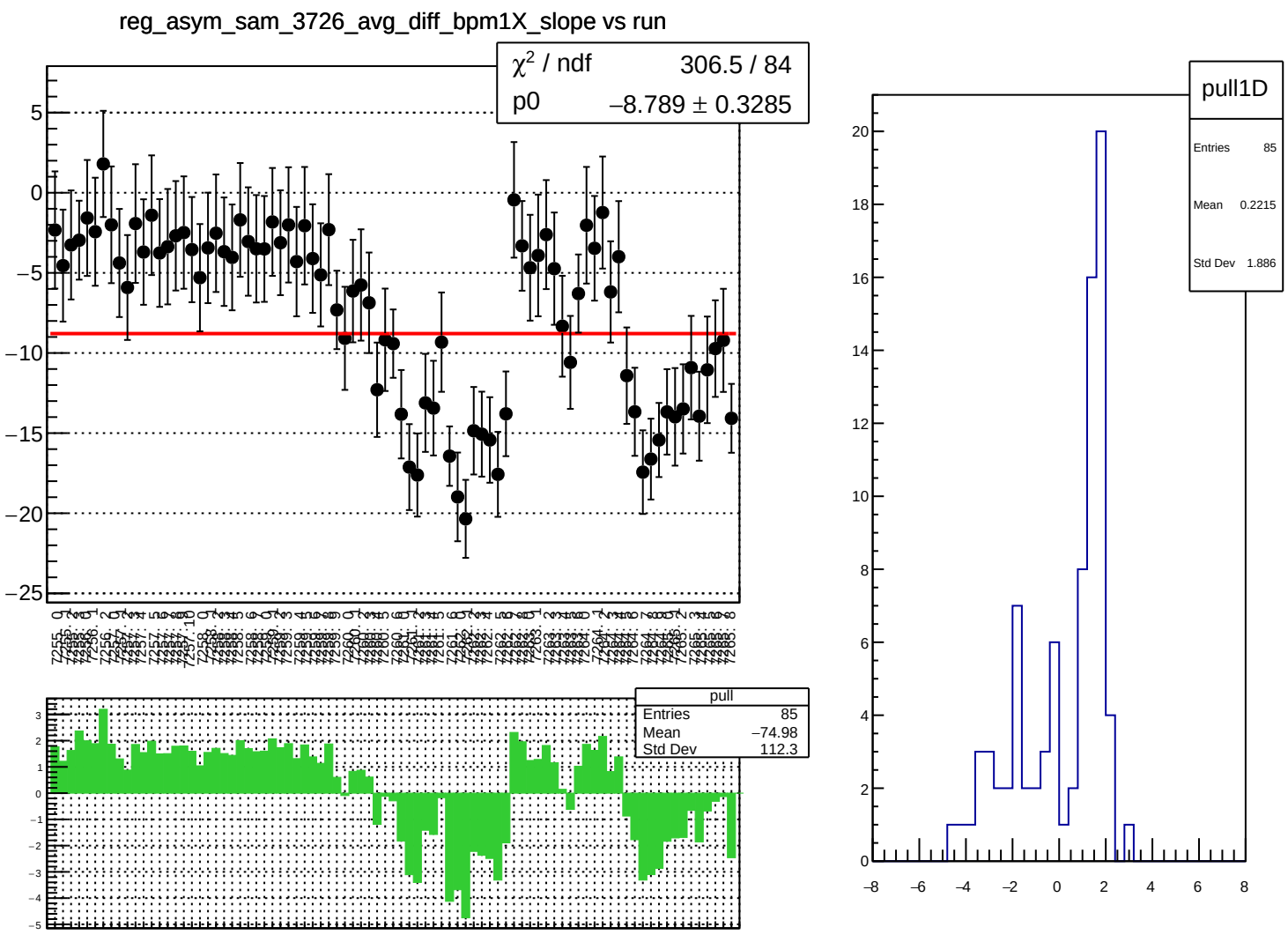

pull1D
Entries 85
Mean −0.02294
Std Dev 1.853

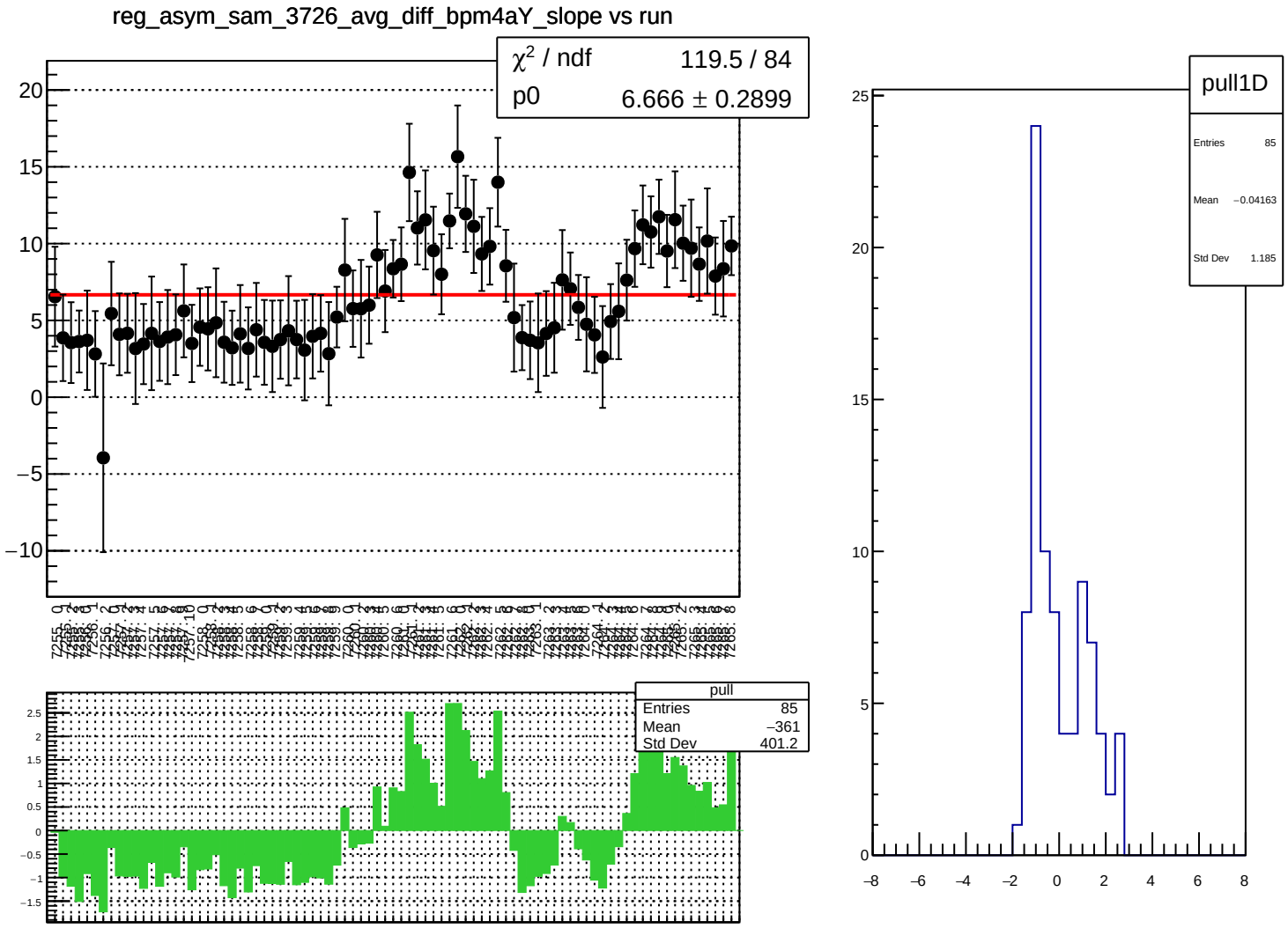

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 661.2 / 84
p0 −13.92 ± 0.1942
pull
Entries 85
Mean −95.89
Std Dev 133.3
pull1D
Entries 85
Mean −0.2911
Std Dev 2.774

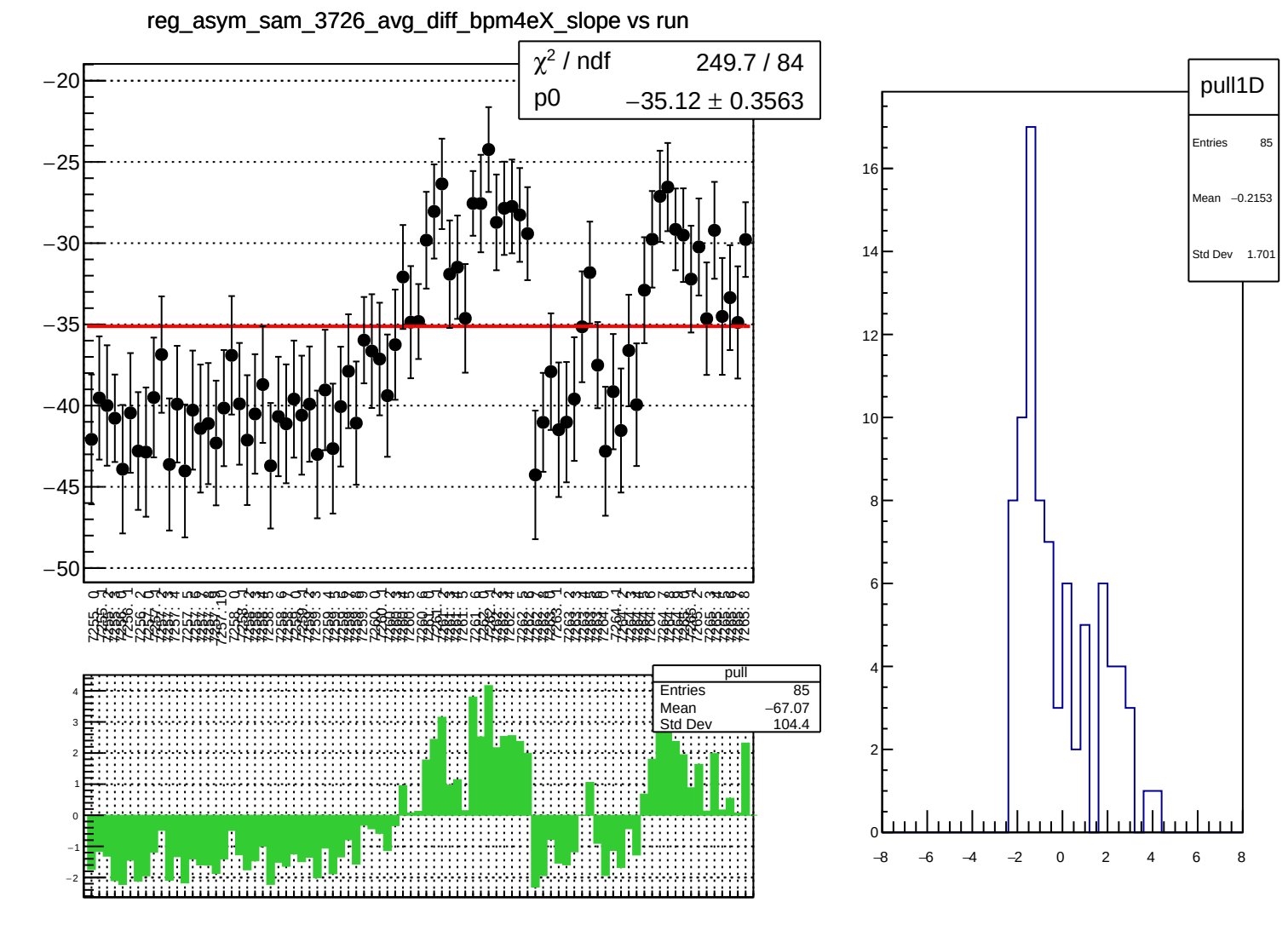

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 210.9 / 84
p0 10.43 ± 0.1668
pull
Entries 85
Mean −750.7
Std Dev 792.6
pull1D
Entries 85
Mean 0.02156
Std Dev 1.575

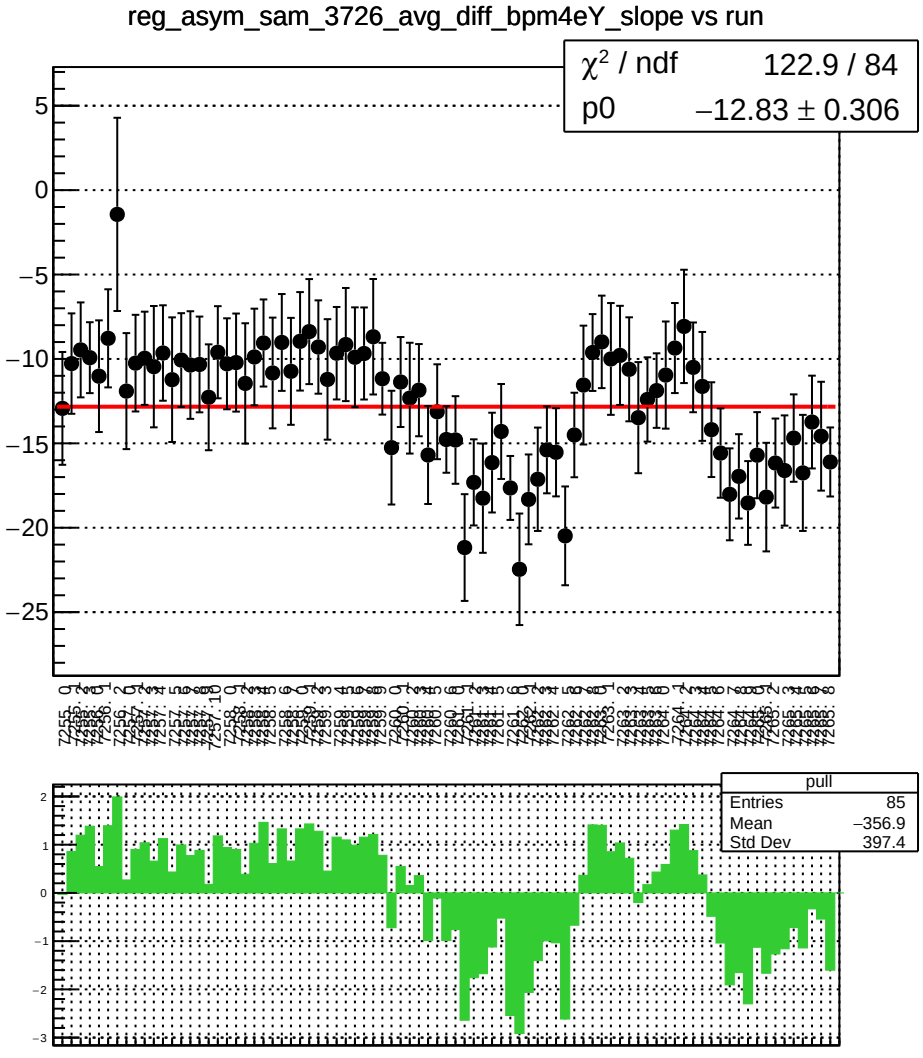

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 35.72 / 84
p0 0.2538 ± 0.007065
pull
Entries 85
Mean 1390
Std Dev 1348

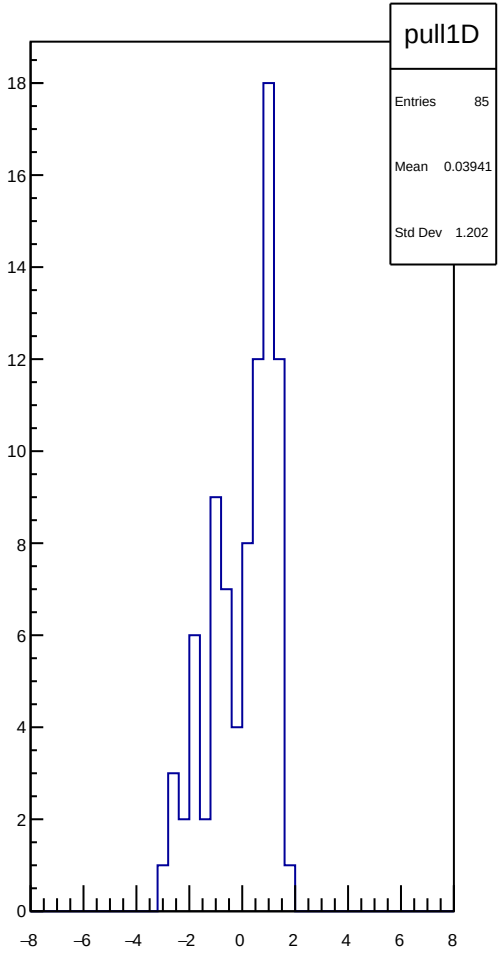

pull1D
Entries 85
Mean −0.00867
Std Dev 0.6482

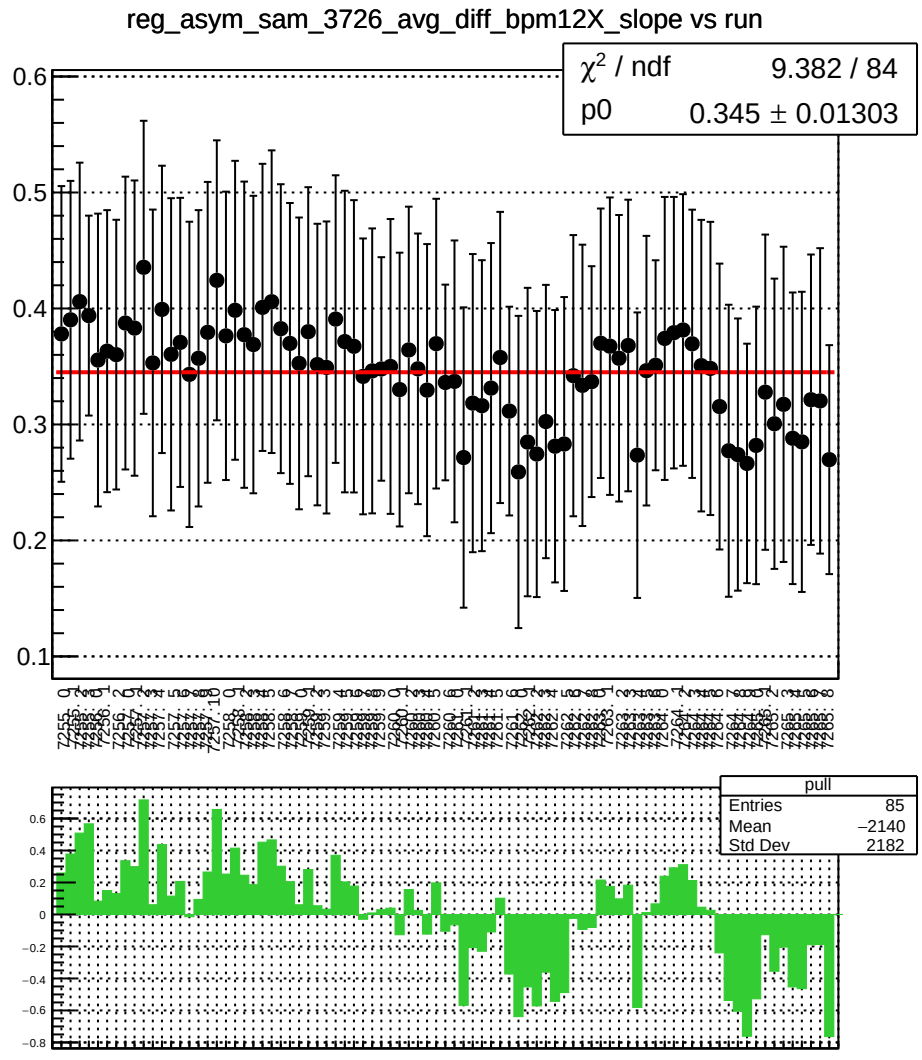

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 306.5 / 84
p0 −8.789 ± 0.3285
pull
Entries 85
Mean −74.98
Std Dev 112.3
pull1D
Entries 85
Mean 0.2215
Std Dev 1.886

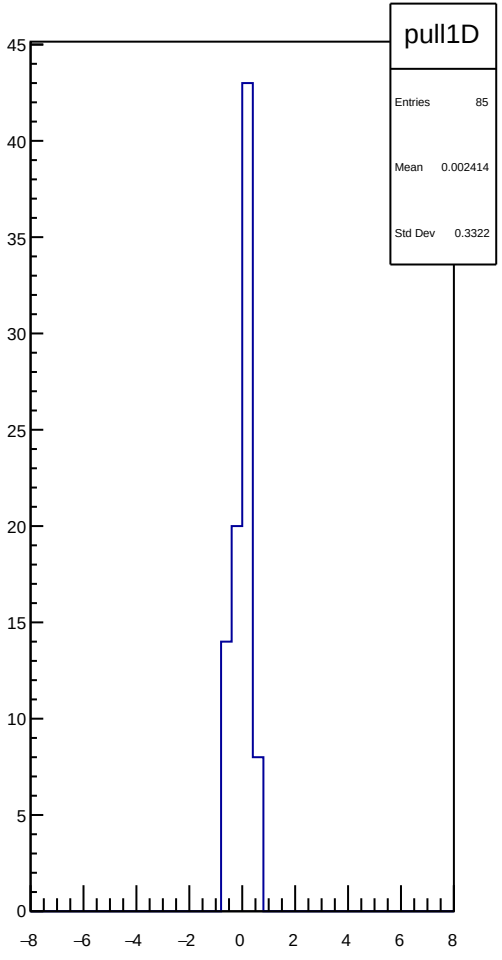

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 119.5 / 84
p0 6.666 ± 0.2899
pull
Entries 85
Mean −361
Std Dev 401.2
pull1D
Entries 85
Mean −0.04163
Std Dev 1.185

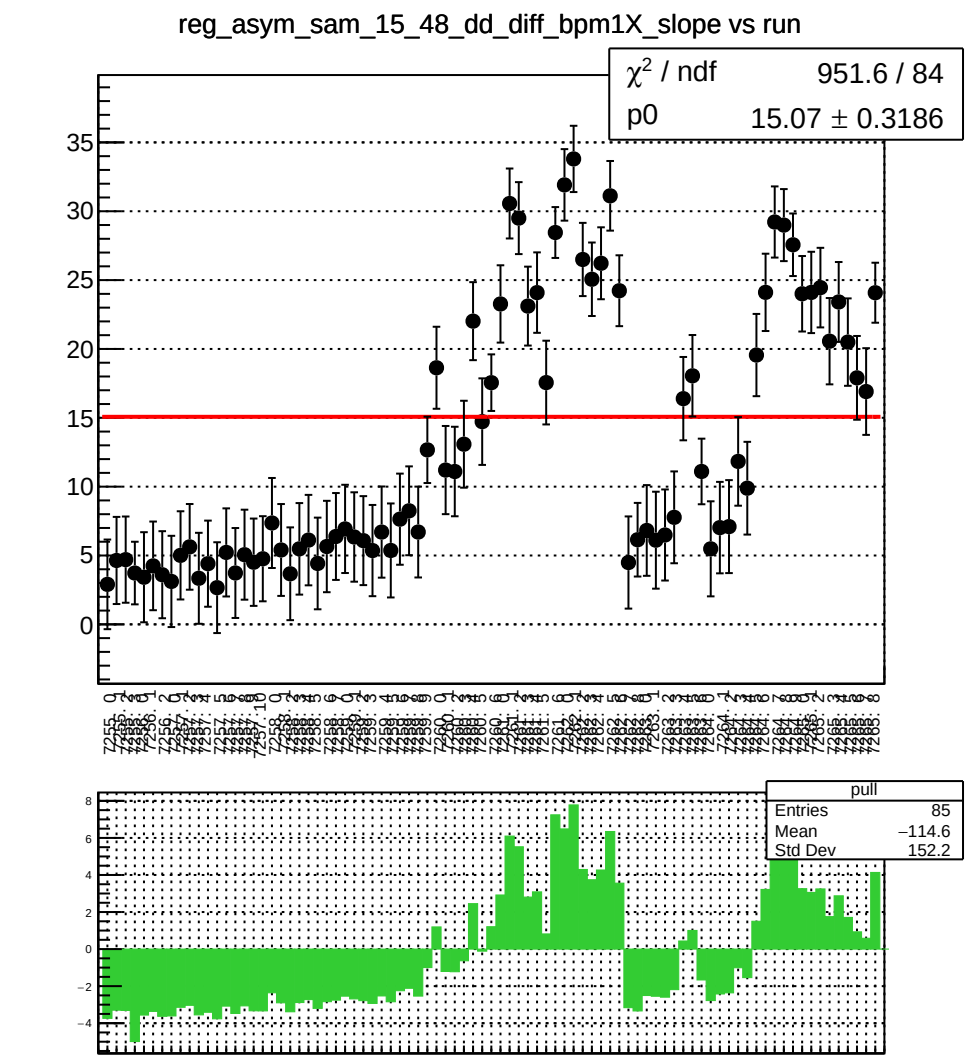

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 249.7 / 84
p0 −35.12 ± 0.3563
pull
Entries 85
Mean −67.07
Std Dev 104.4
pull1D
Entries 85
Mean −0.2153
Std Dev 1.701

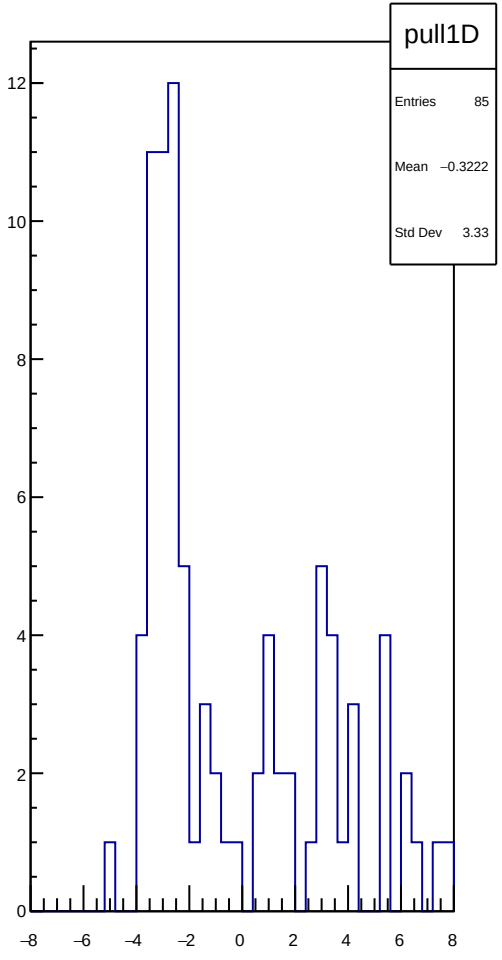

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 122.9 / 84
p0 −12.83 ± 0.306
pull
Entries 85
Mean −356.9
Std Dev 397.4

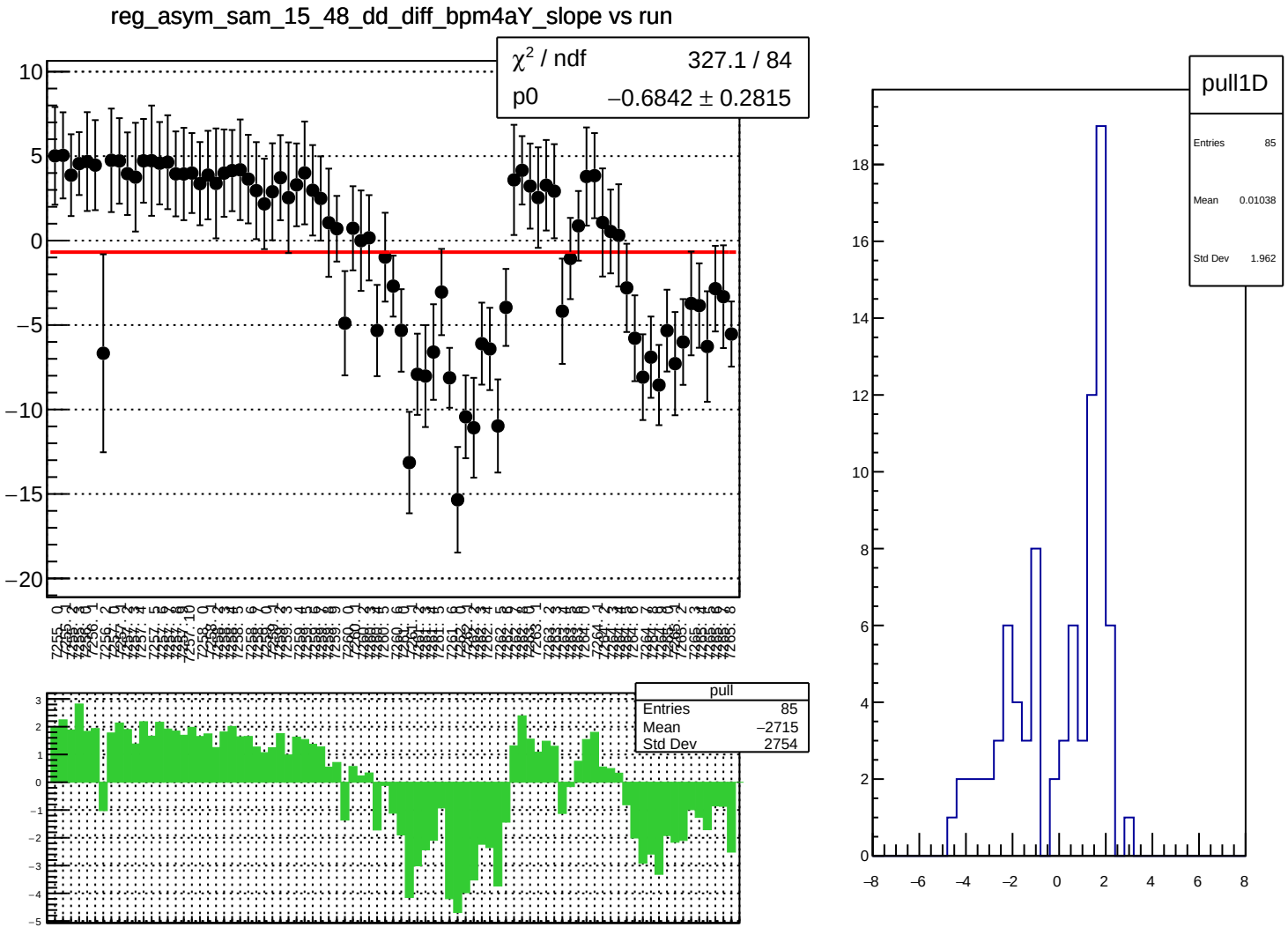

pull1D
Entries 85
Mean 0.03941
Std Dev 1.202

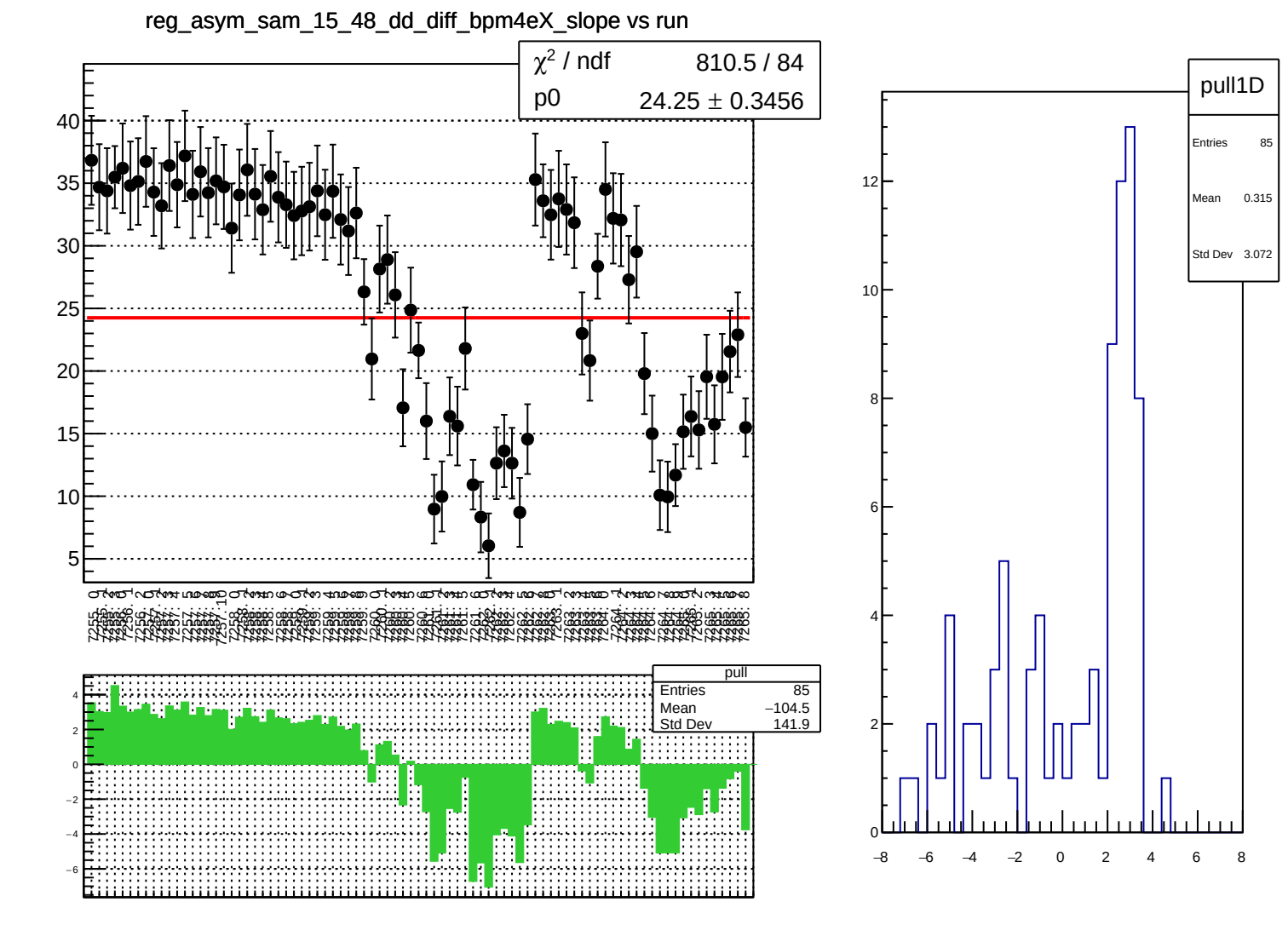

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 9.382 / 84
p0 0.345 ± 0.01303
pull
Entries 85
Mean −2140
Std Dev 2182

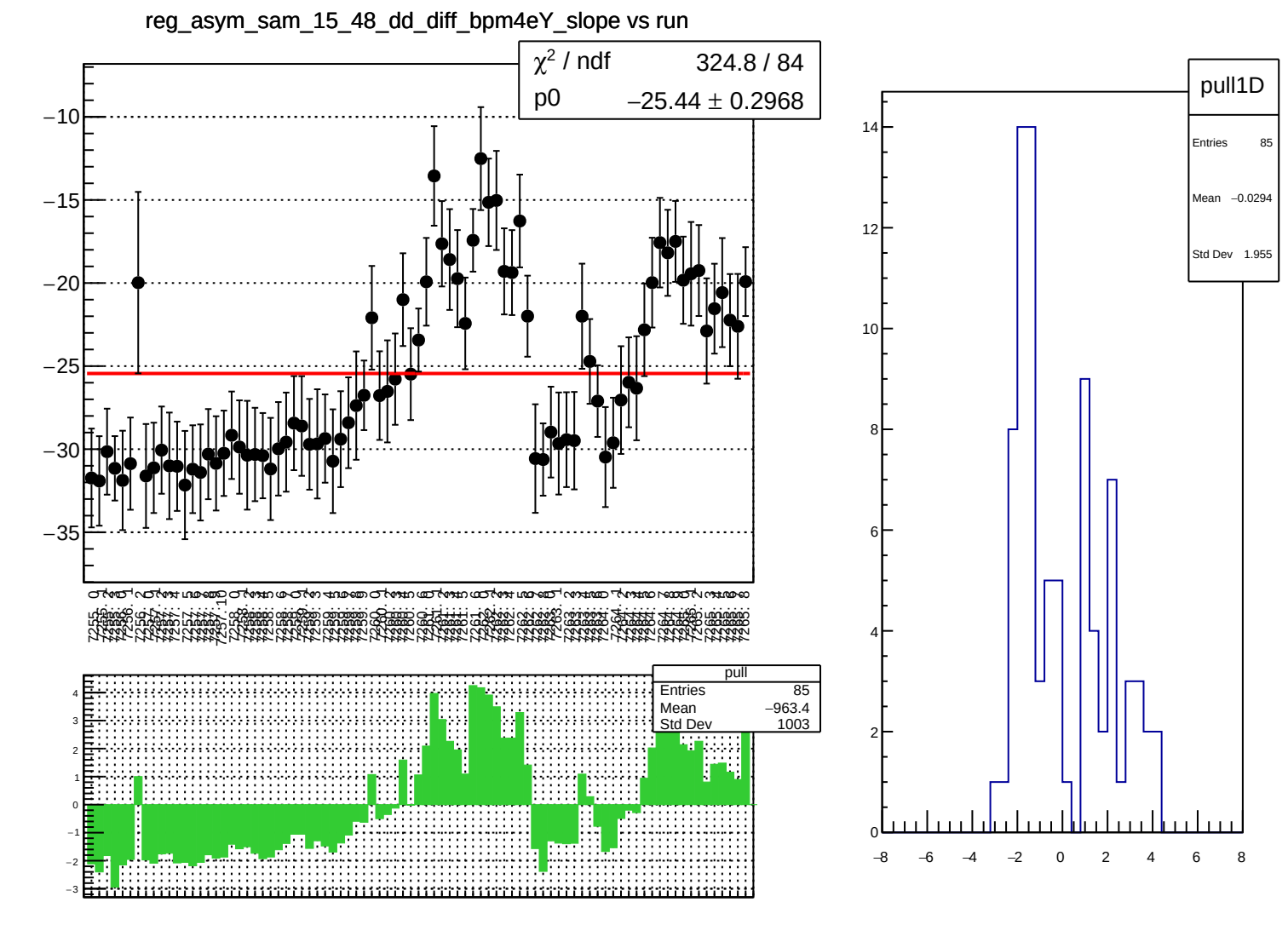

pull1D
Entries 85
Mean 0.002414
Std Dev 0.3322

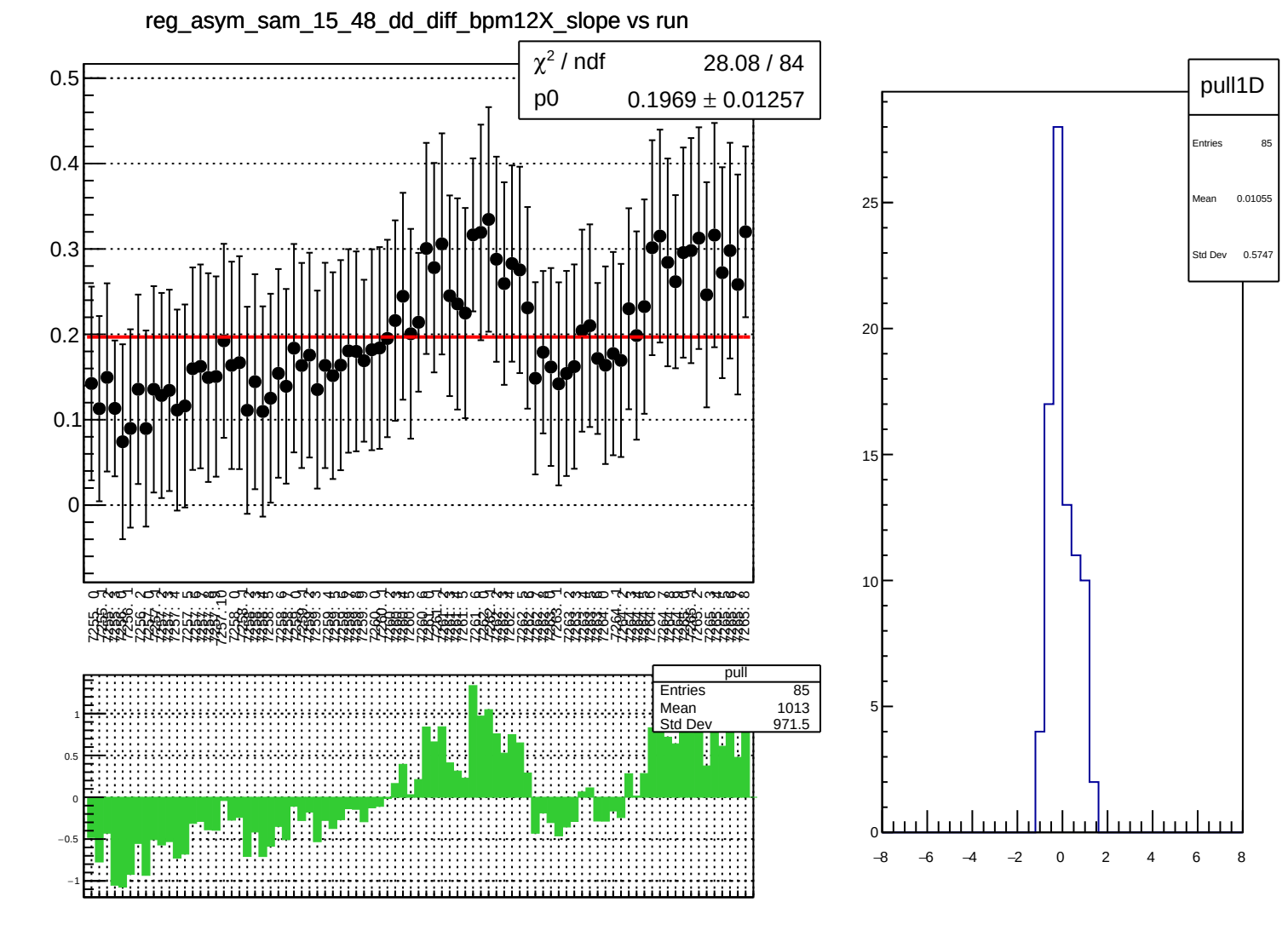

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 951.6 / 84
p0 15.07 ± 0.3186
pull
Entries 85
Mean −114.6
Std Dev 152.2

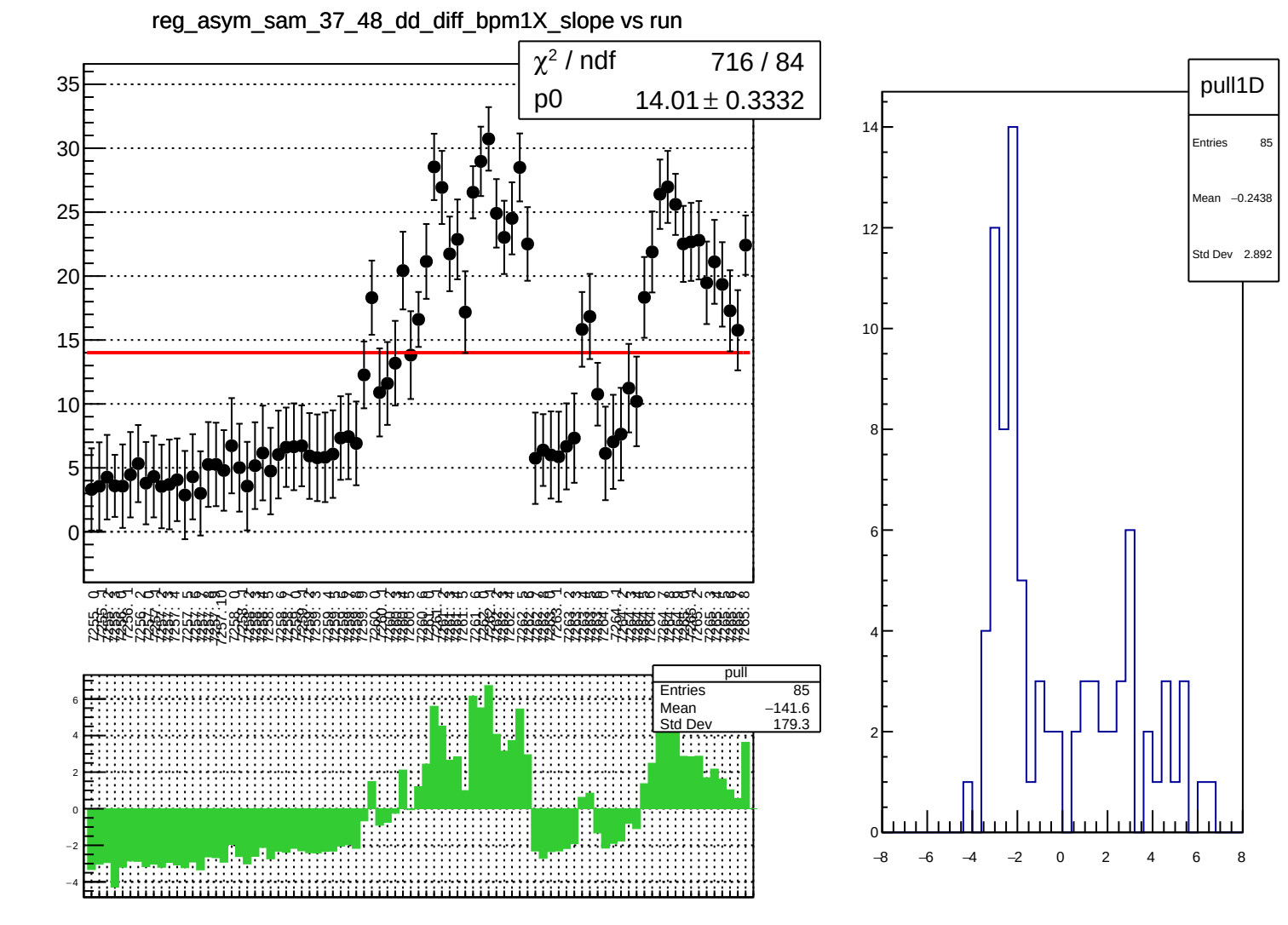

pull1D
Entries 85
Mean −0.3222
Std Dev 3.33

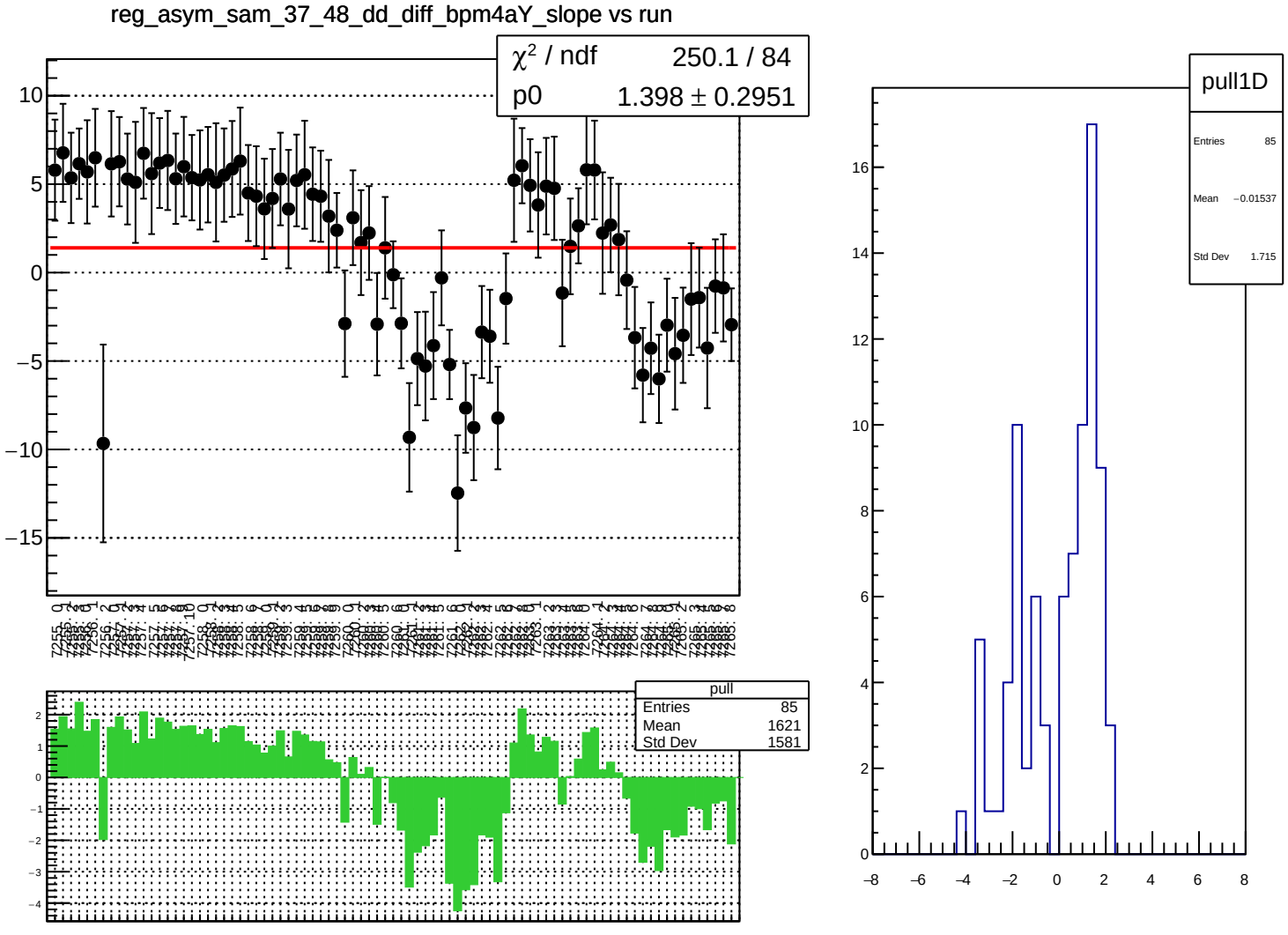

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 327.1 / 84
p0 −0.6842 ± 0.2815
pull
Entries 85
Mean −2715
Std Dev 2754
pull1D
Entries 85
Mean 0.01038
Std Dev 1.962

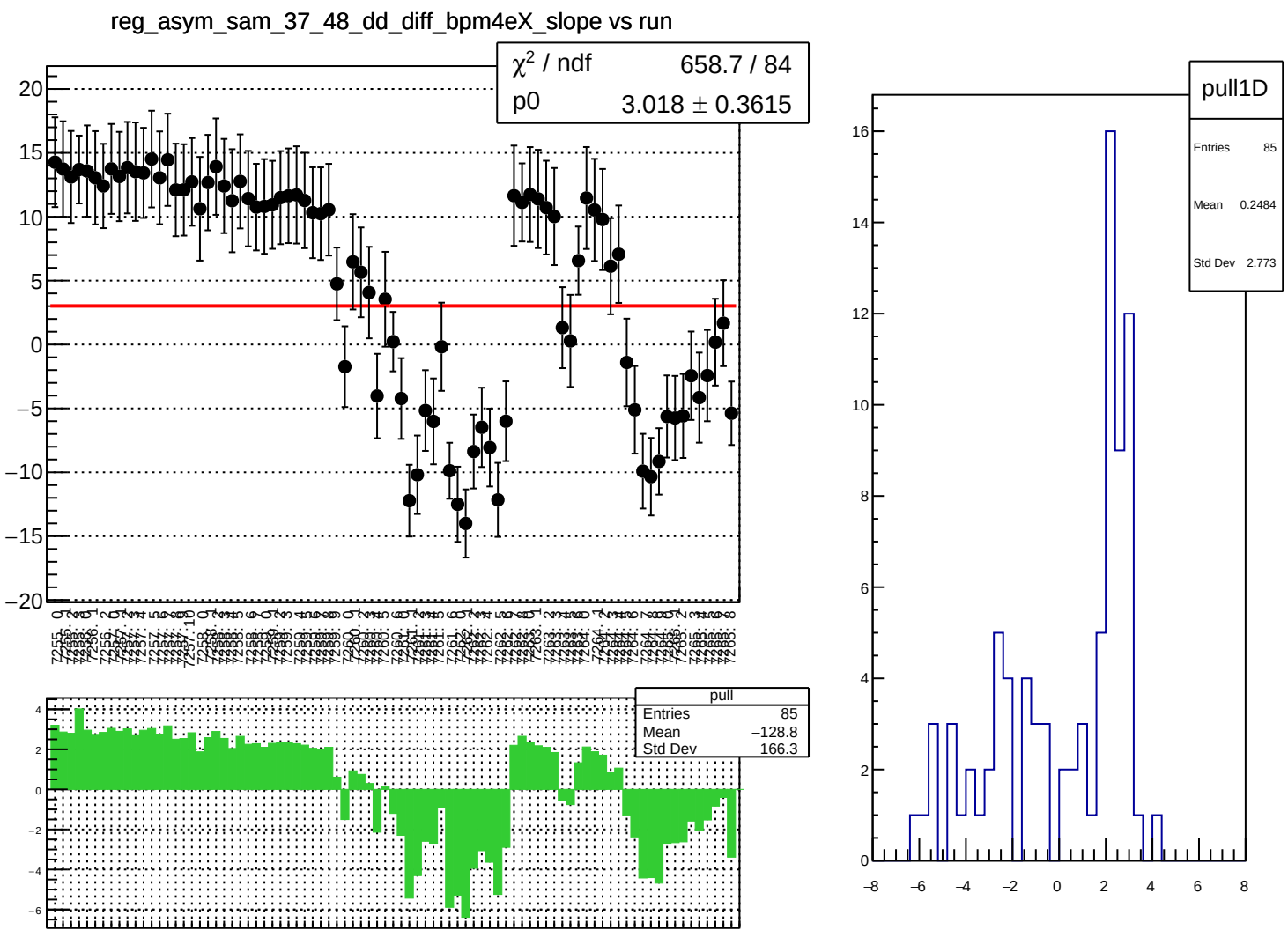

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 810.5 / 84
p0 24.25 ± 0.3456
pull
Entries 85
Mean −104.5
Std Dev 141.9
pull1D
Entries 85
Mean 0.315
Std Dev 3.072

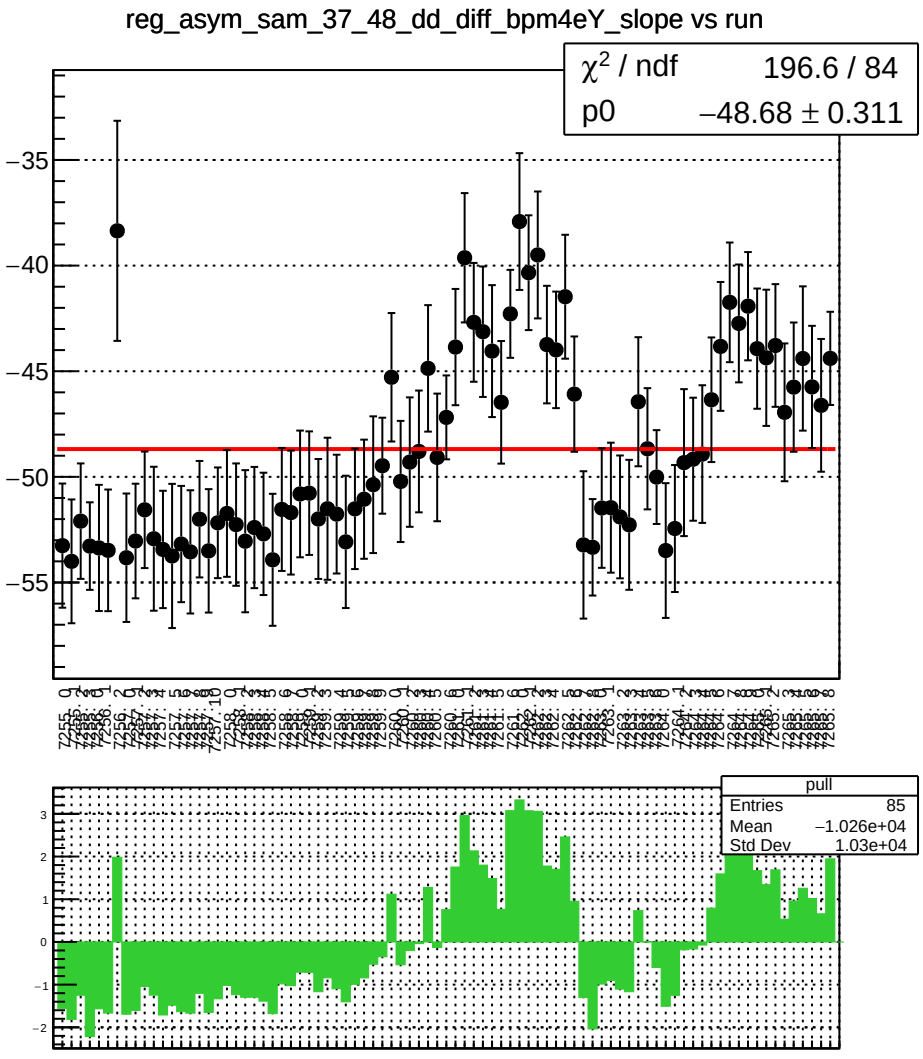

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 324.8 / 84
p0 −25.44 ± 0.2968
pull
Entries 85
Mean −963.4
Std Dev 1003
pull1D
Entries 85
Mean −0.0294
Std Dev 1.955

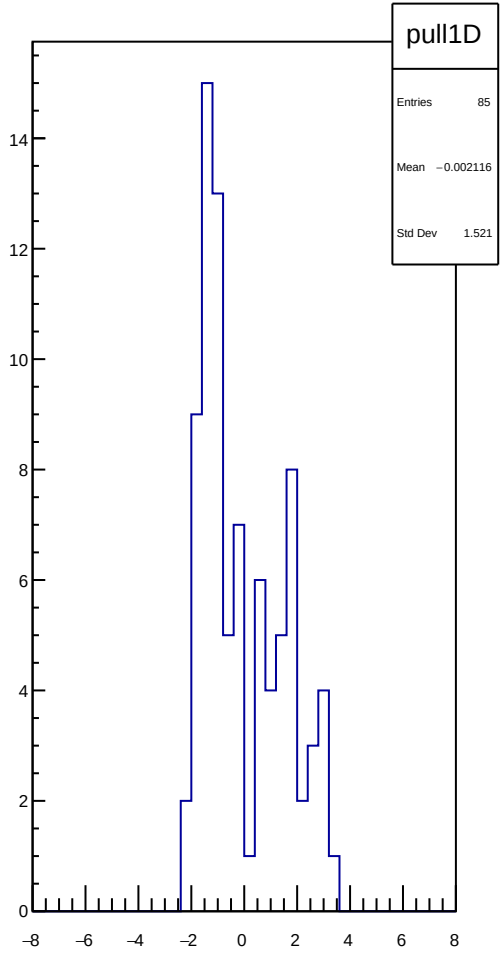

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 28.08 / 84
p0 0.1969 ± 0.01257
pull
Entries 85
Mean 1013
Std Dev 971.5
pull1D
Entries 85
Mean 0.01055
Std Dev 0.5747

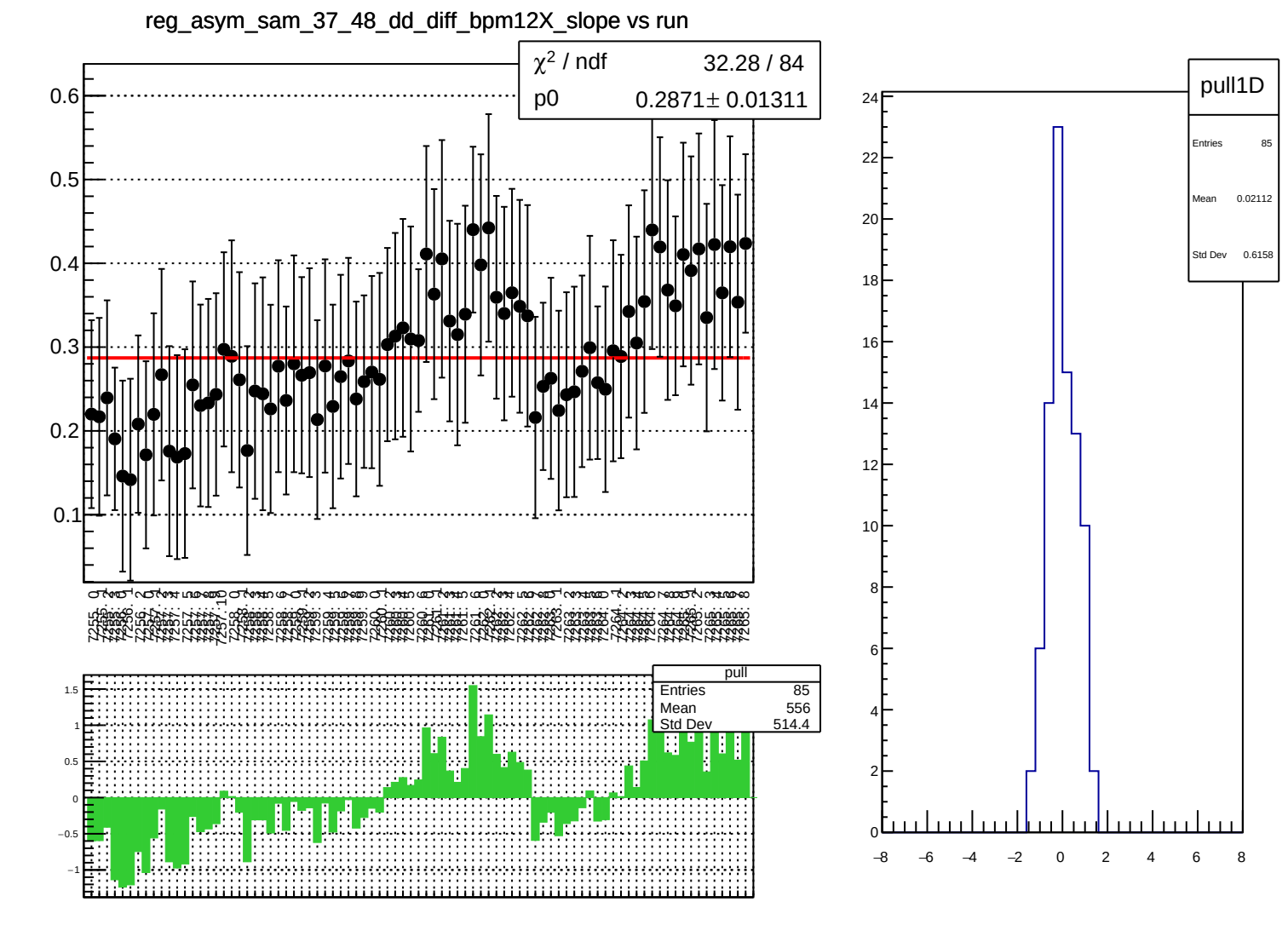

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 716 / 84
p0 14.01 ± 0.3332
pull
Entries 85
Mean −141.6
Std Dev 179.3
pull1D
Entries 85
Mean −0.2438
Std Dev 2.892

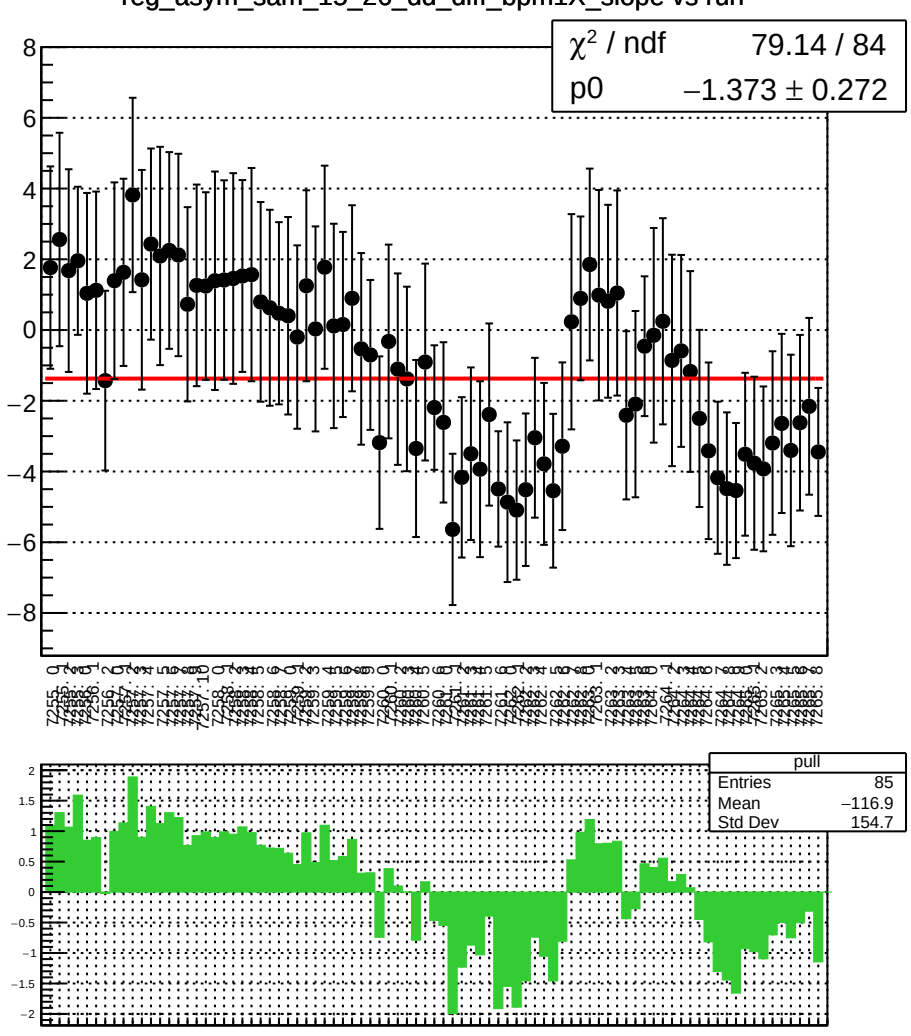

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 250.1 / 84
p0 1.398 ± 0.2951
pull
Entries 85
Mean 1621
Std Dev 1581
pull1D
Entries 85
Mean −0.01537
Std Dev 1.715

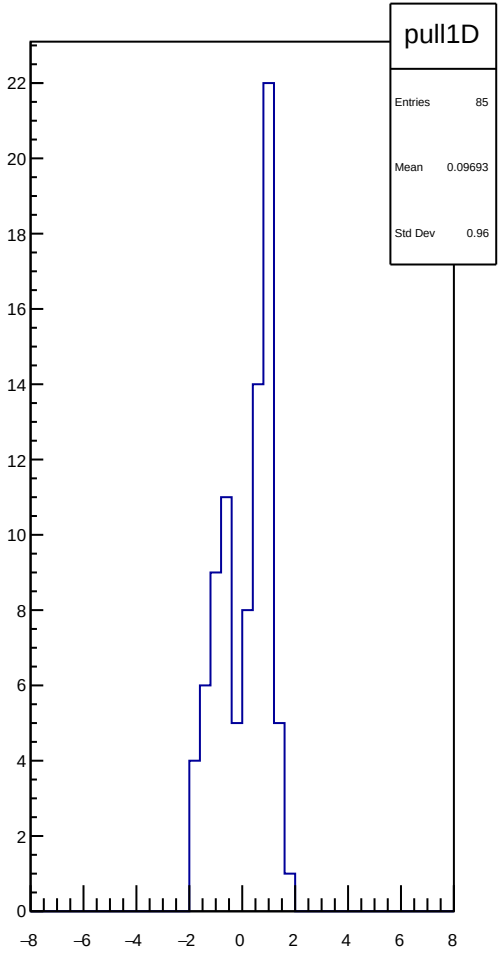

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 658.7 / 84
p0 3.018 ± 0.3615
pull
Entries 85
Mean −128.8
Std Dev 166.3
pull1D
Entries 85
Mean 0.2484
Std Dev 2.773

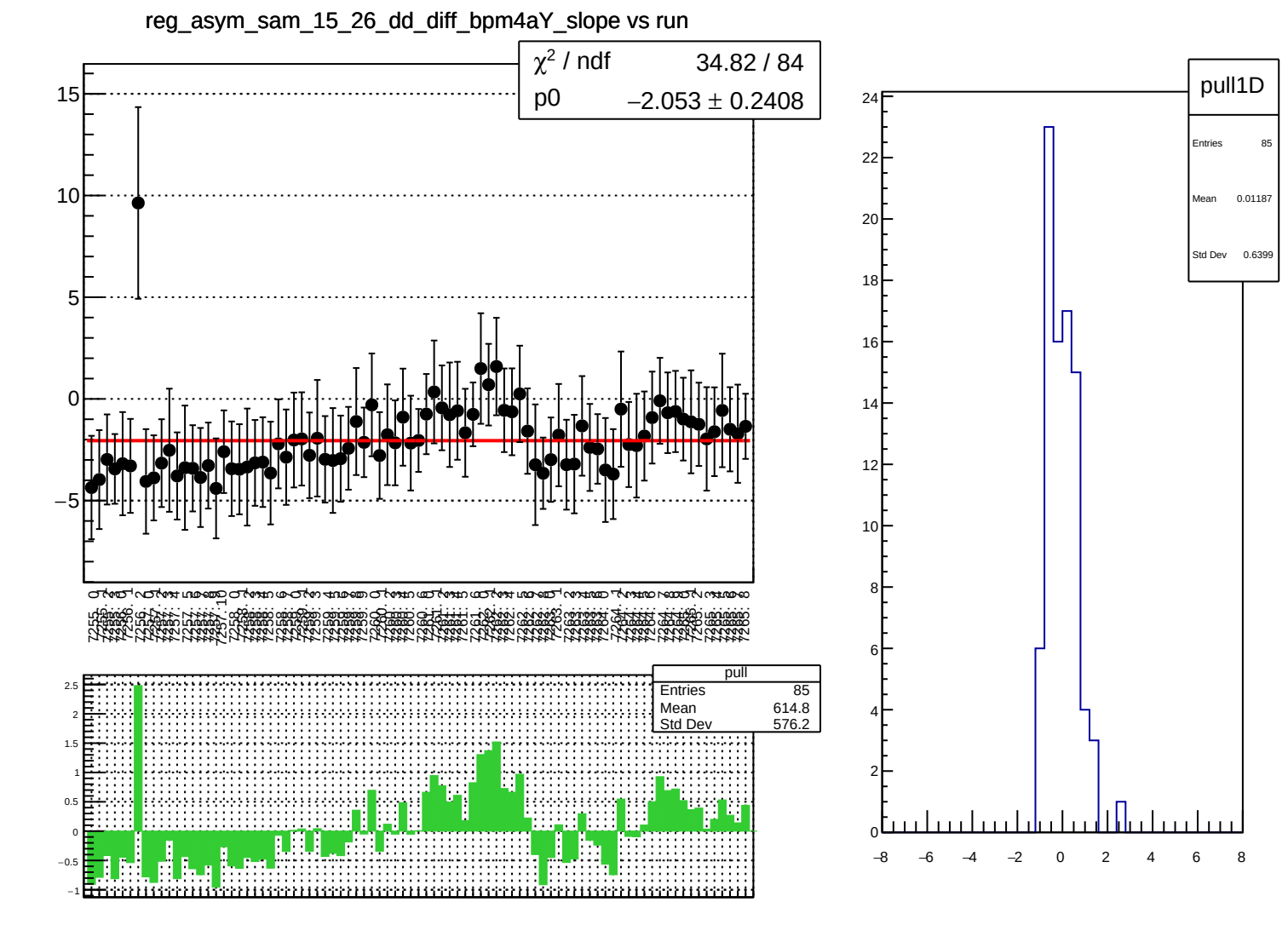

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 196.6 / 84
p0 −48.68 ± 0.311
−35
−40
−45
−50
−55
pull
Entries 85
Mean −1.026e+04
Std Dev 1.03e+04
3
2
1
0
−1
−2

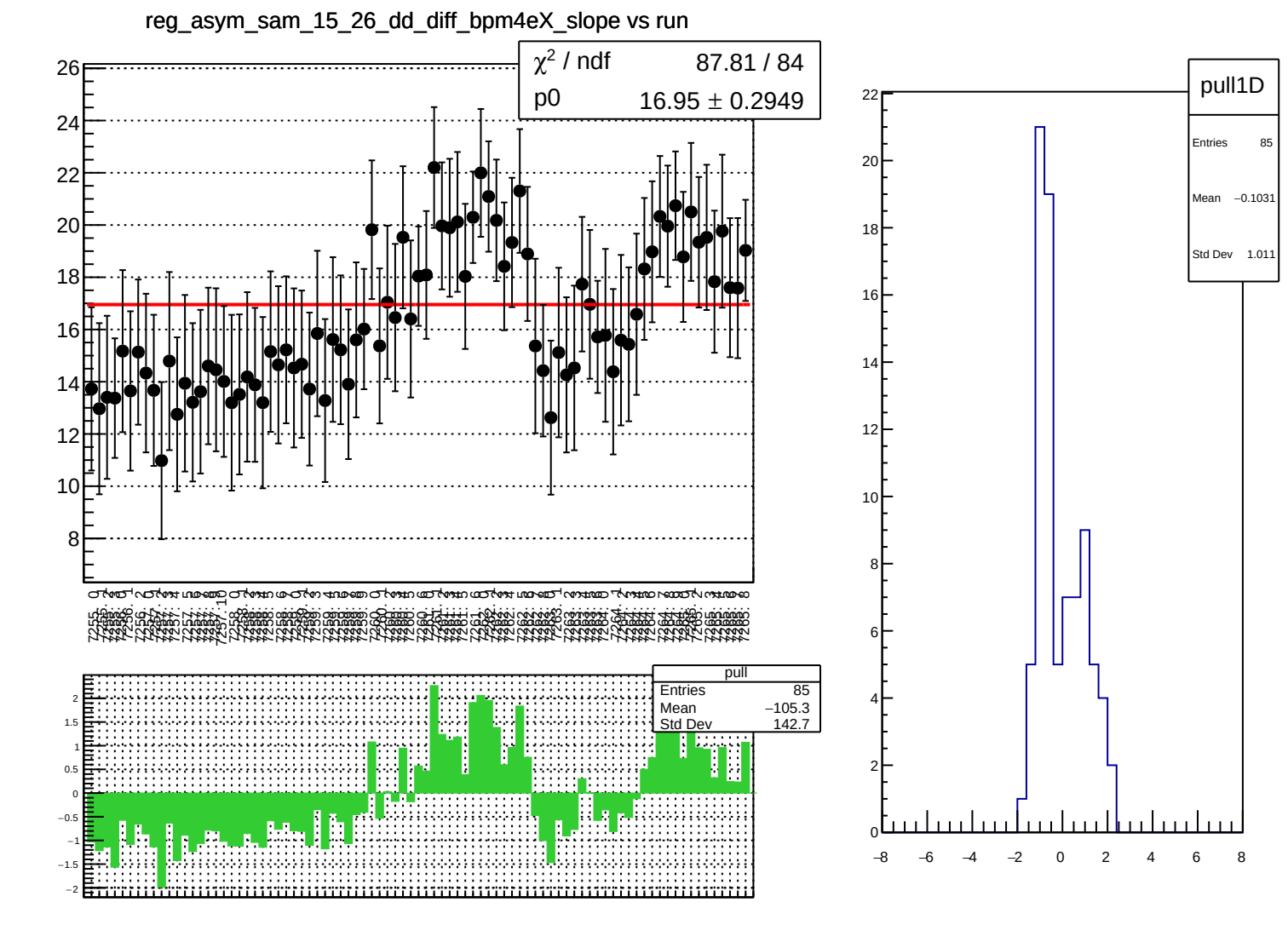

pull1D
Entries 85
Mean −0.002116
Std Dev 1.521
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

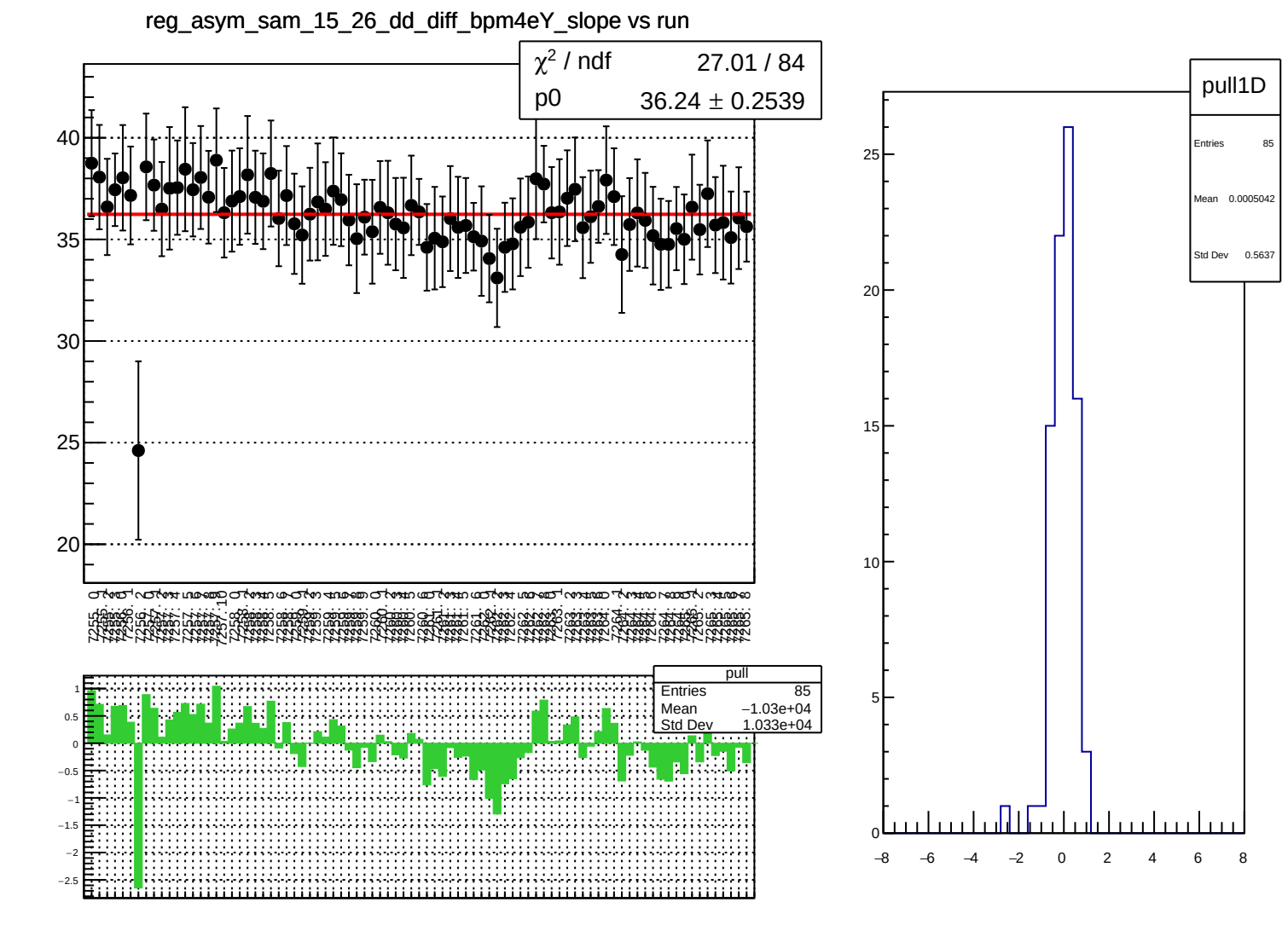

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 32.28 / 84
p0 0.2871± 0.01311
pull
Entries 85
Mean 556
Std Dev 514.4
pull1D
Entries 85
Mean 0.02112
Std Dev 0.6158

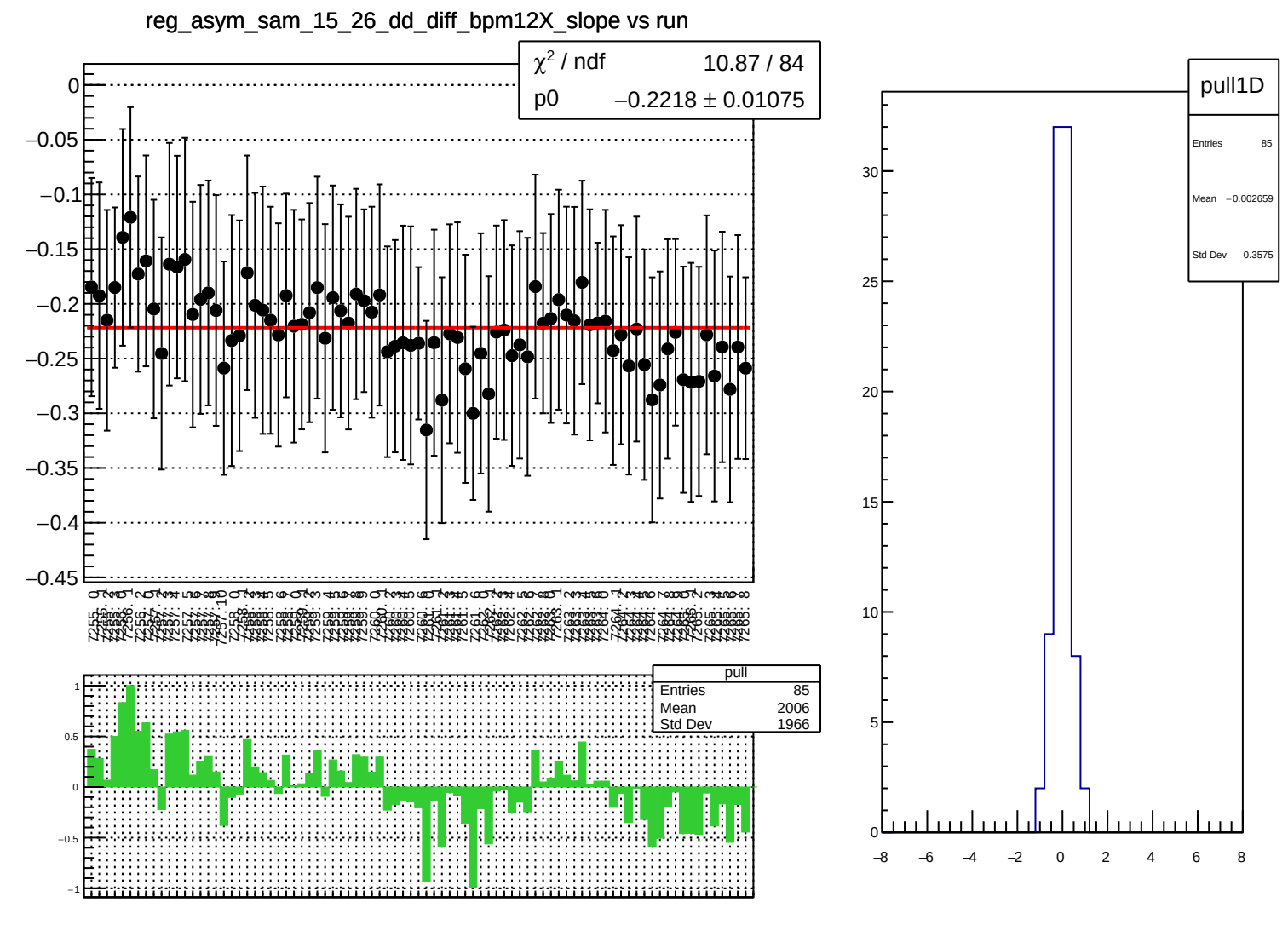

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 79.14 / 84
p0 −1.373 ± 0.272
pull
Entries 85
Mean −116.9
Std Dev 154.7

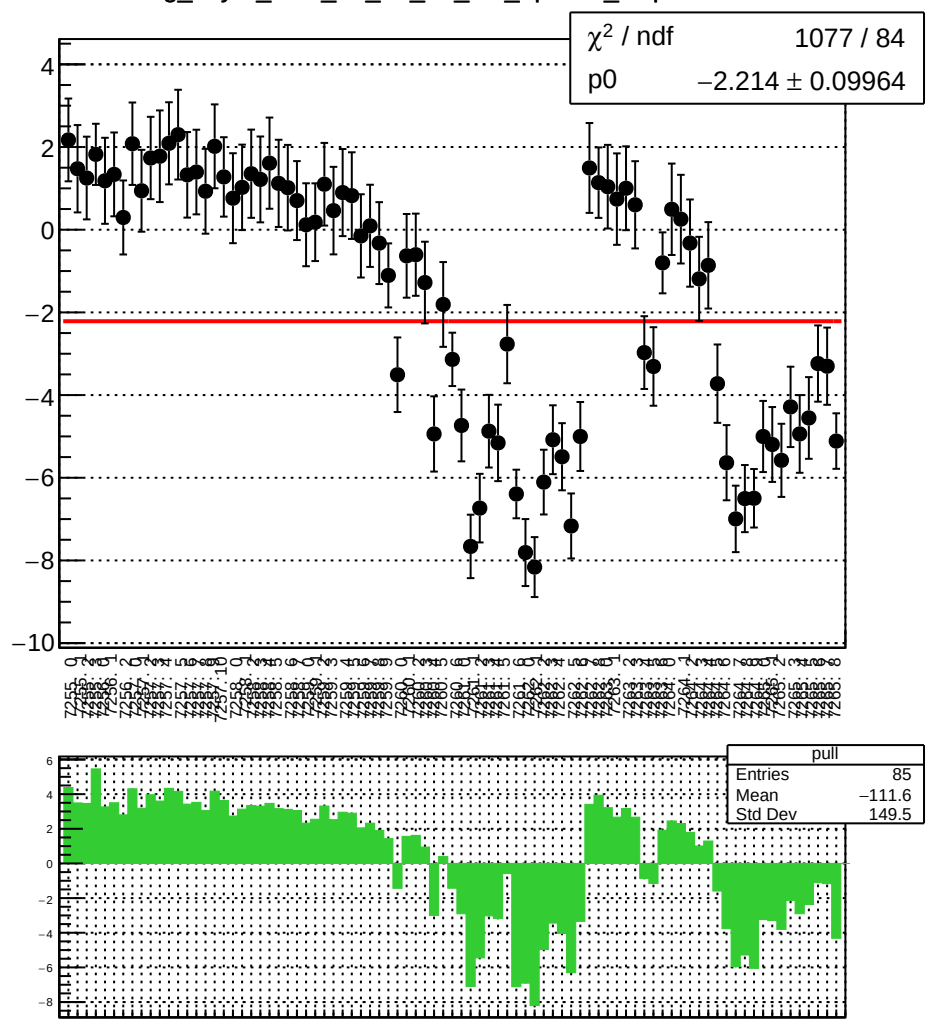

pull1D
Entries 85
Mean 0.09693
Std Dev 0.96

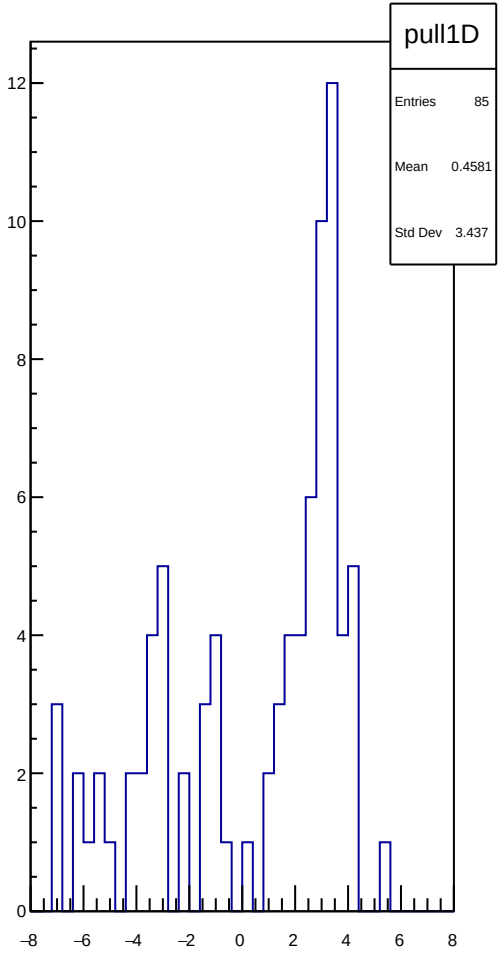

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.82 / 84
p0 −2.053 ± 0.2408
pull
Entries 85
Mean 614.8
Std Dev 576.2
pull1D
Entries 85
Mean 0.01187
Std Dev 0.6399

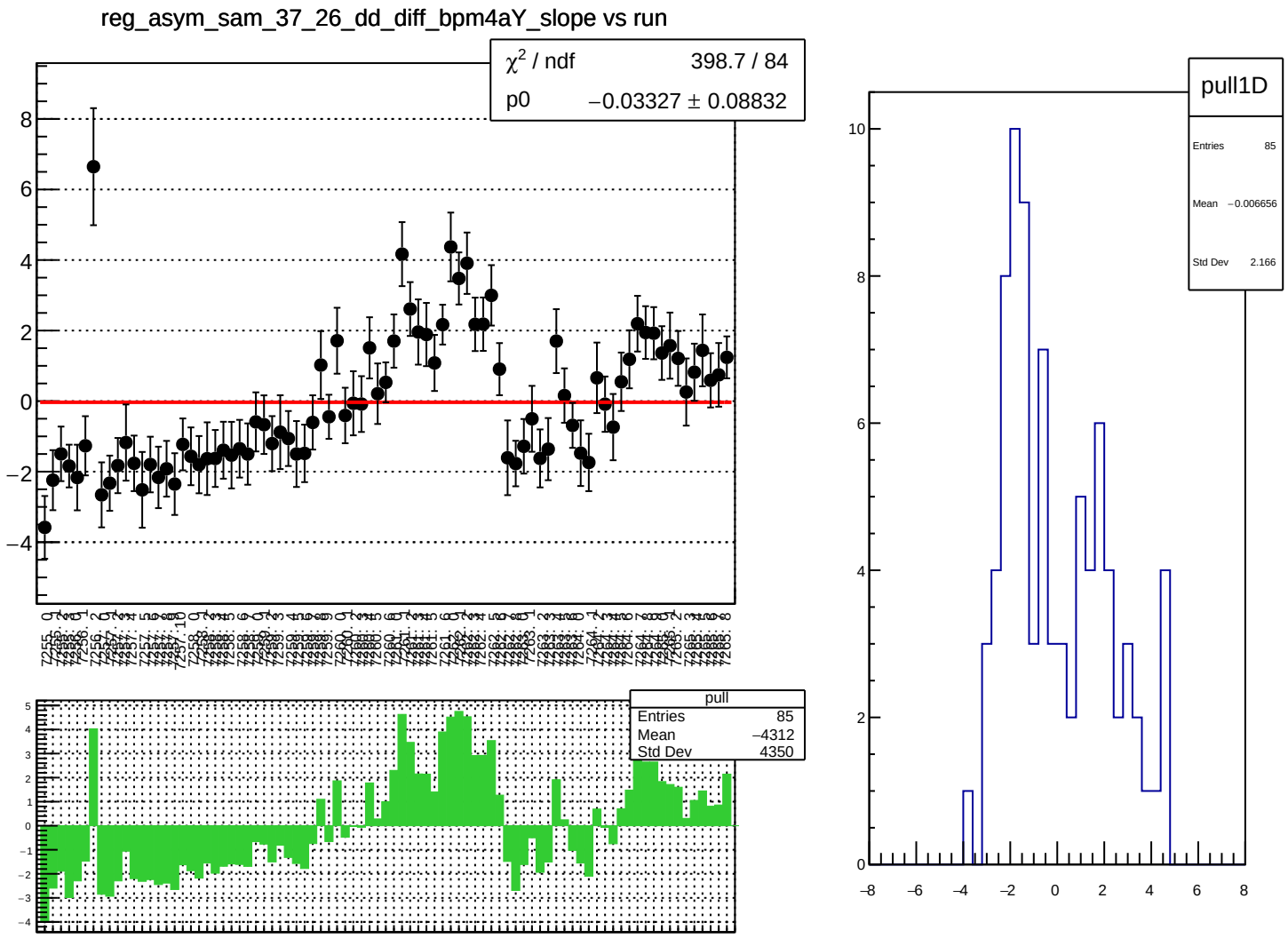

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 87.81 / 84
p0 16.95 ± 0.2949
pull
Entries 85
Mean −105.3
Std Dev 142.7
pull1D
Entries 85
Mean −0.1031
Std Dev 1.011

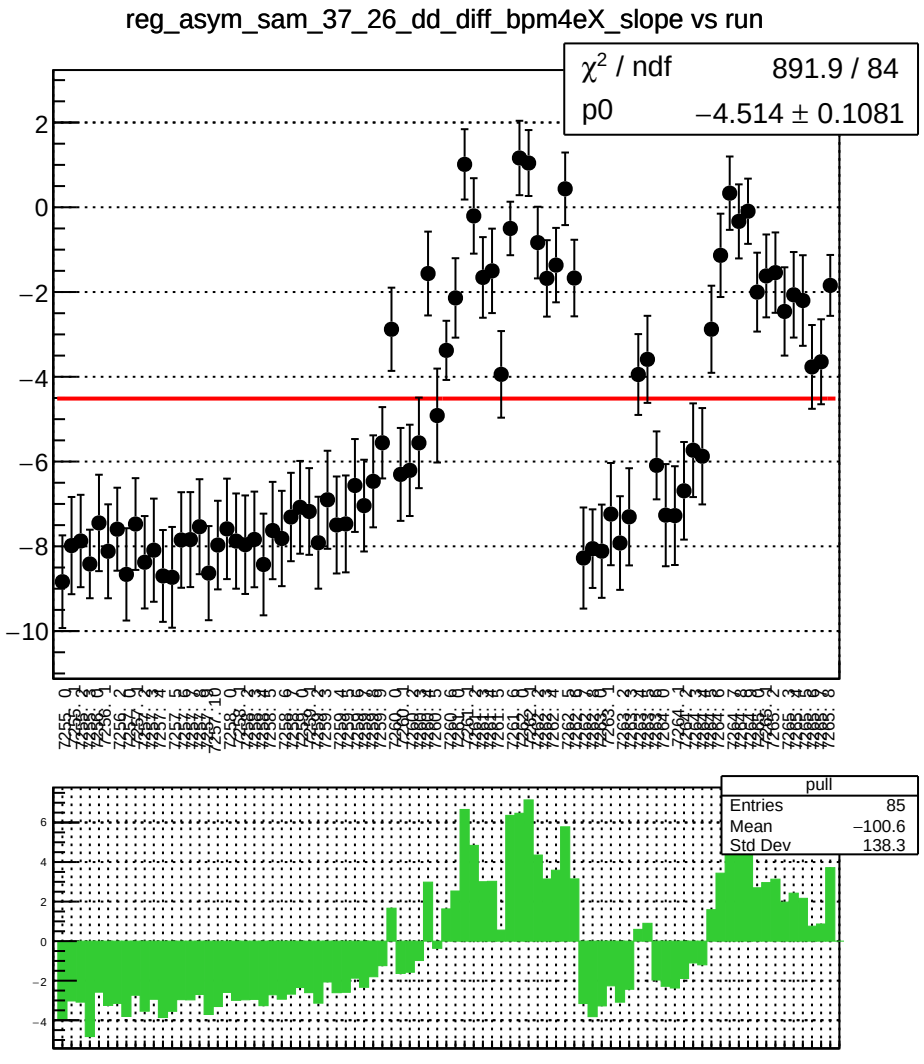

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.01 / 84
p0 36.24 ± 0.2539
pull
Entries 85
Mean −1.03e+04
Std Dev 1.033e+04
pull1D
Entries 85
Mean 0.0005042
Std Dev 0.5637

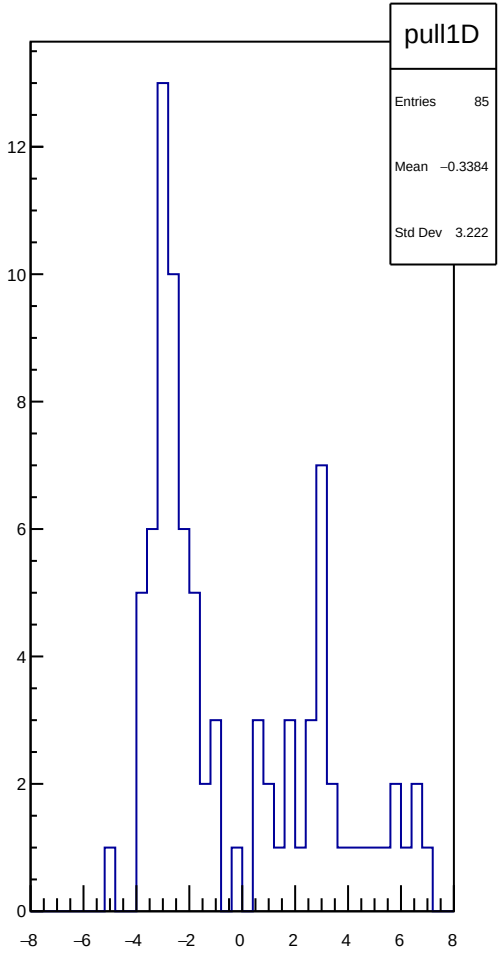

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 10.87 / 84
p0 −0.2218 ± 0.01075
pull
Entries 85
Mean 2006
Std Dev 1966
pull1D
Entries 85
Mean −0.002659
Std Dev 0.3575

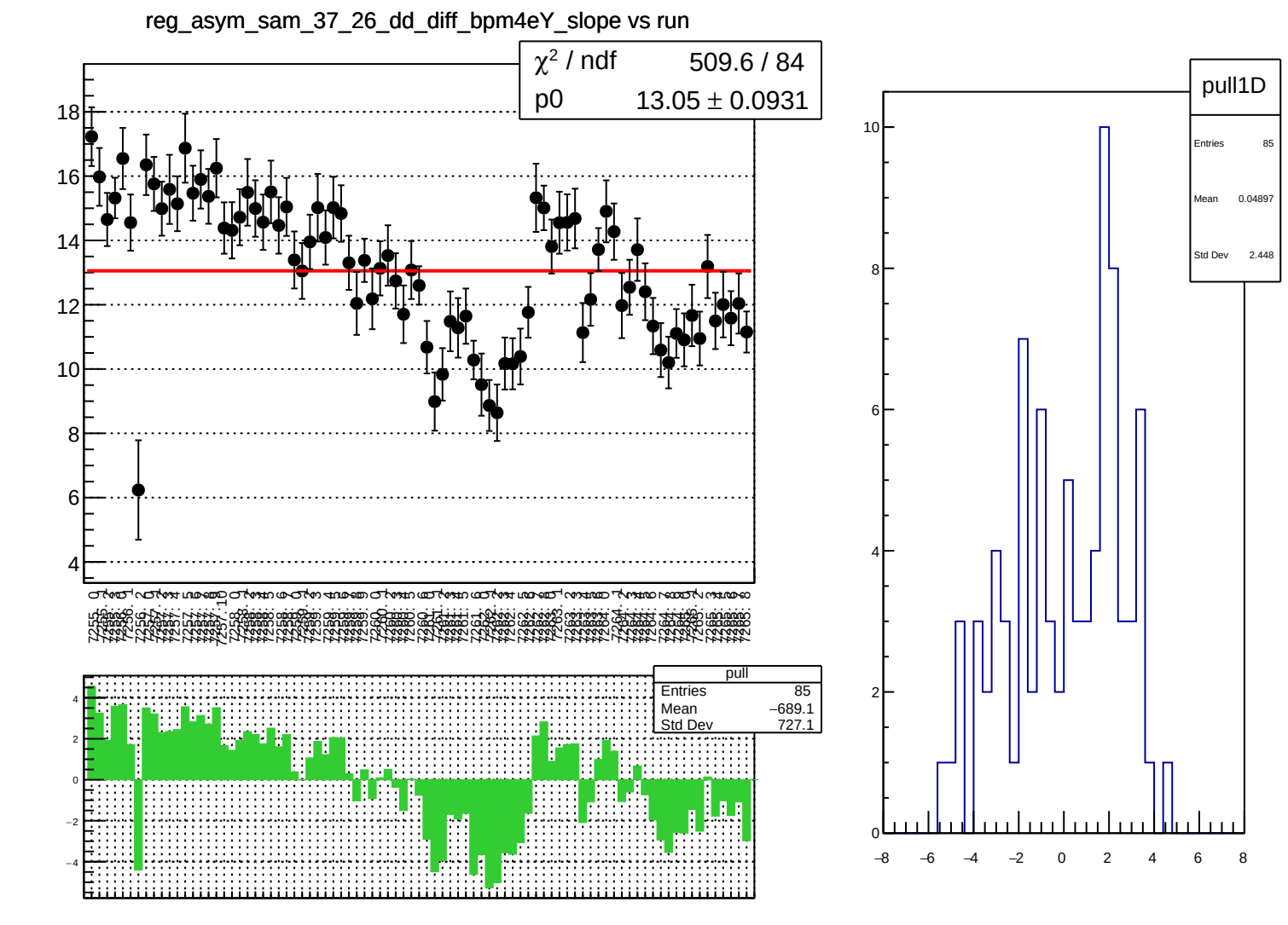

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1077 / 84
p0 −2.214 ± 0.09964
pull
Entries 85
Mean −111.6
Std Dev 149.5

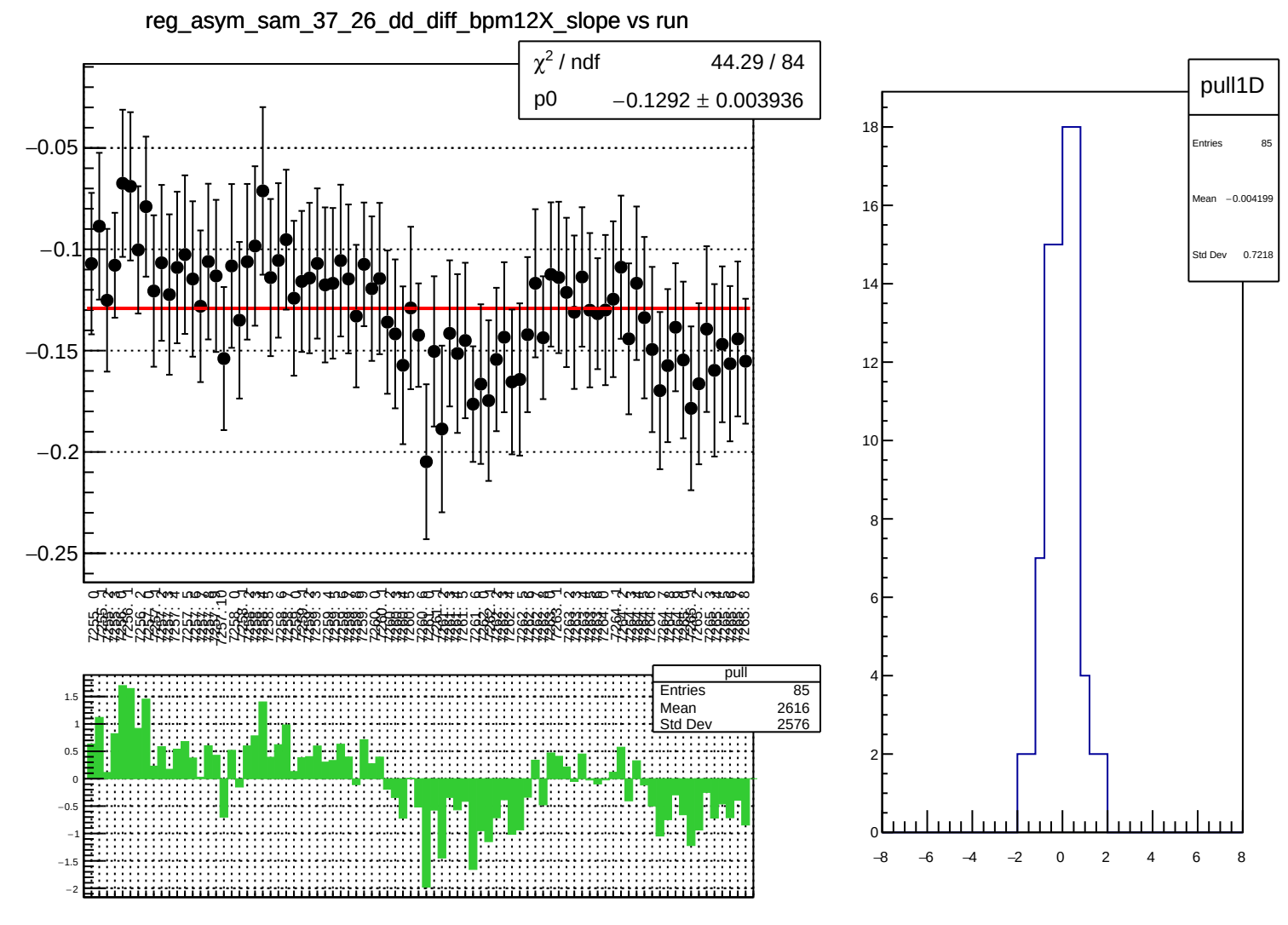

pull1D
Entries 85
Mean 0.4581
Std Dev 3.437

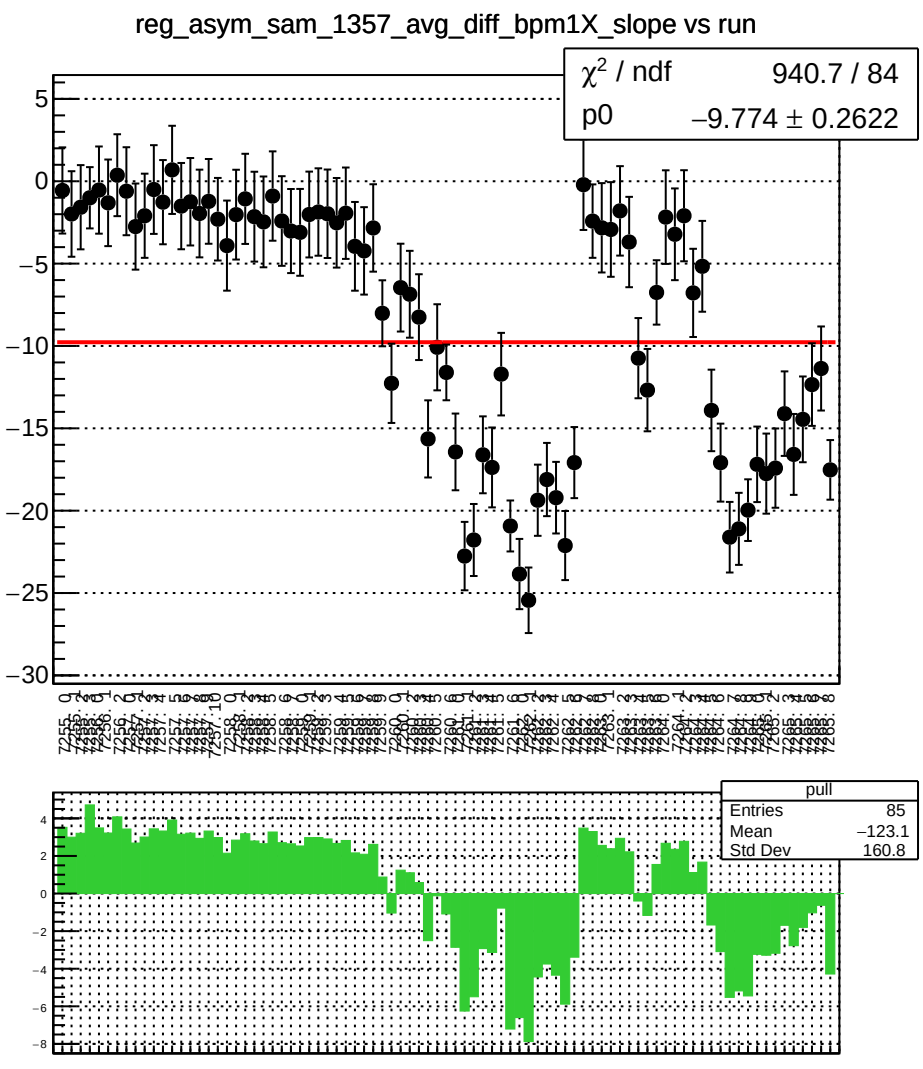

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 398.7 / 84
p0 −0.03327 ± 0.08832
pull
Entries 85
Mean −4312
Std Dev 4350
pull1D
Entries 85
Mean −0.006656
Std Dev 2.166

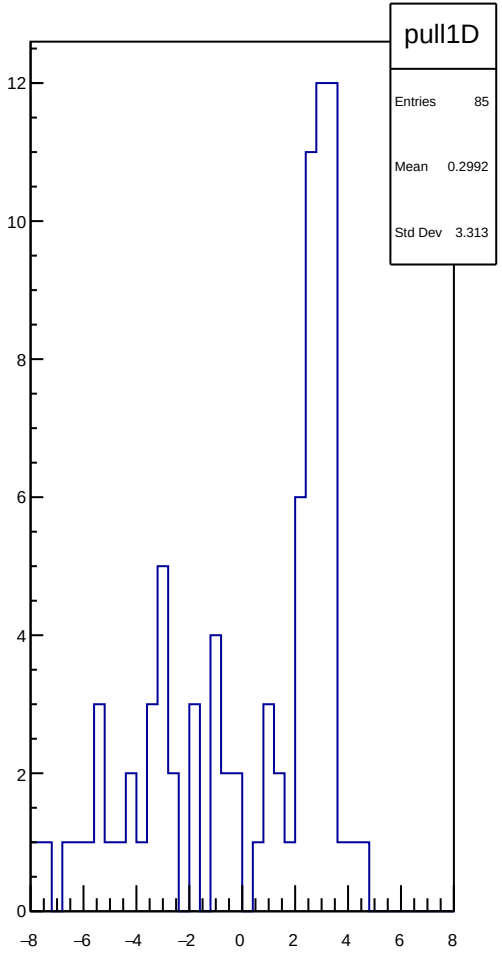

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 891.9 / 84
p0 −4.514 ± 0.1081
pull
Entries 85
Mean −100.6
Std Dev 138.3

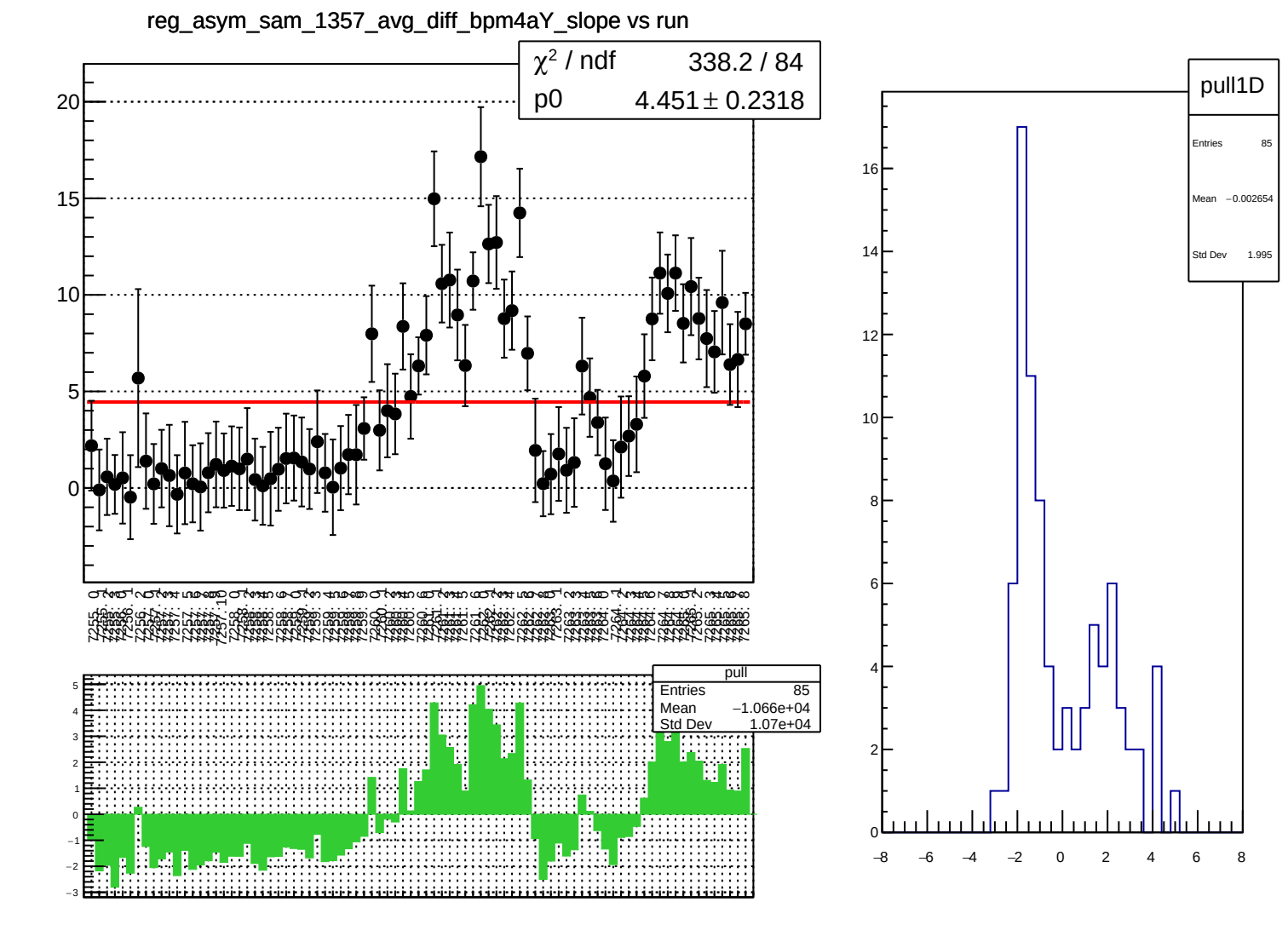

pull1D
Entries 85
Mean −0.3384
Std Dev 3.222

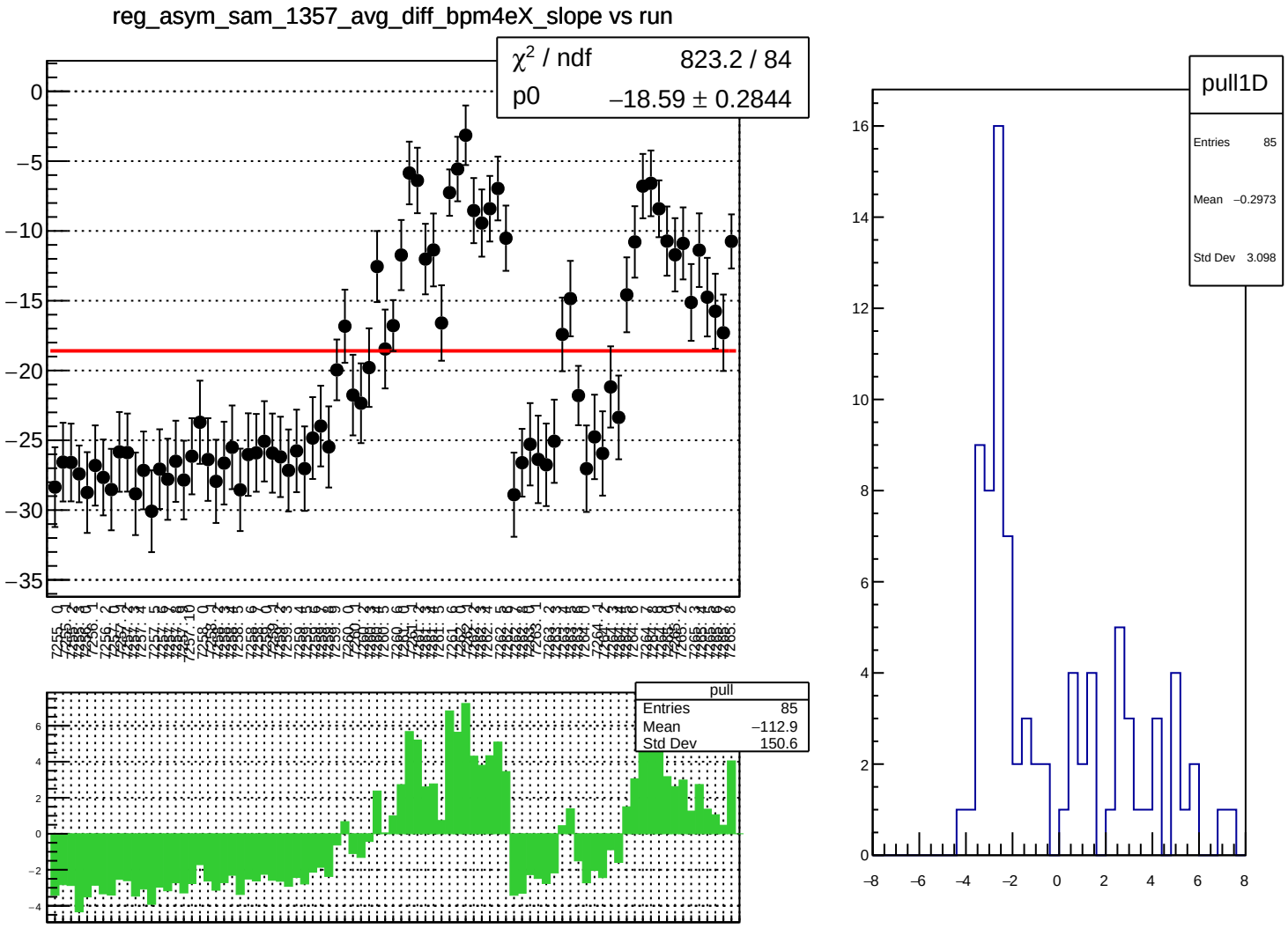

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 509.6 / 84
p0 13.05 ± 0.0931
pull
Entries 85
Mean −689.1
Std Dev 727.1
pull1D
Entries 85
Mean 0.04897
Std Dev 2.448

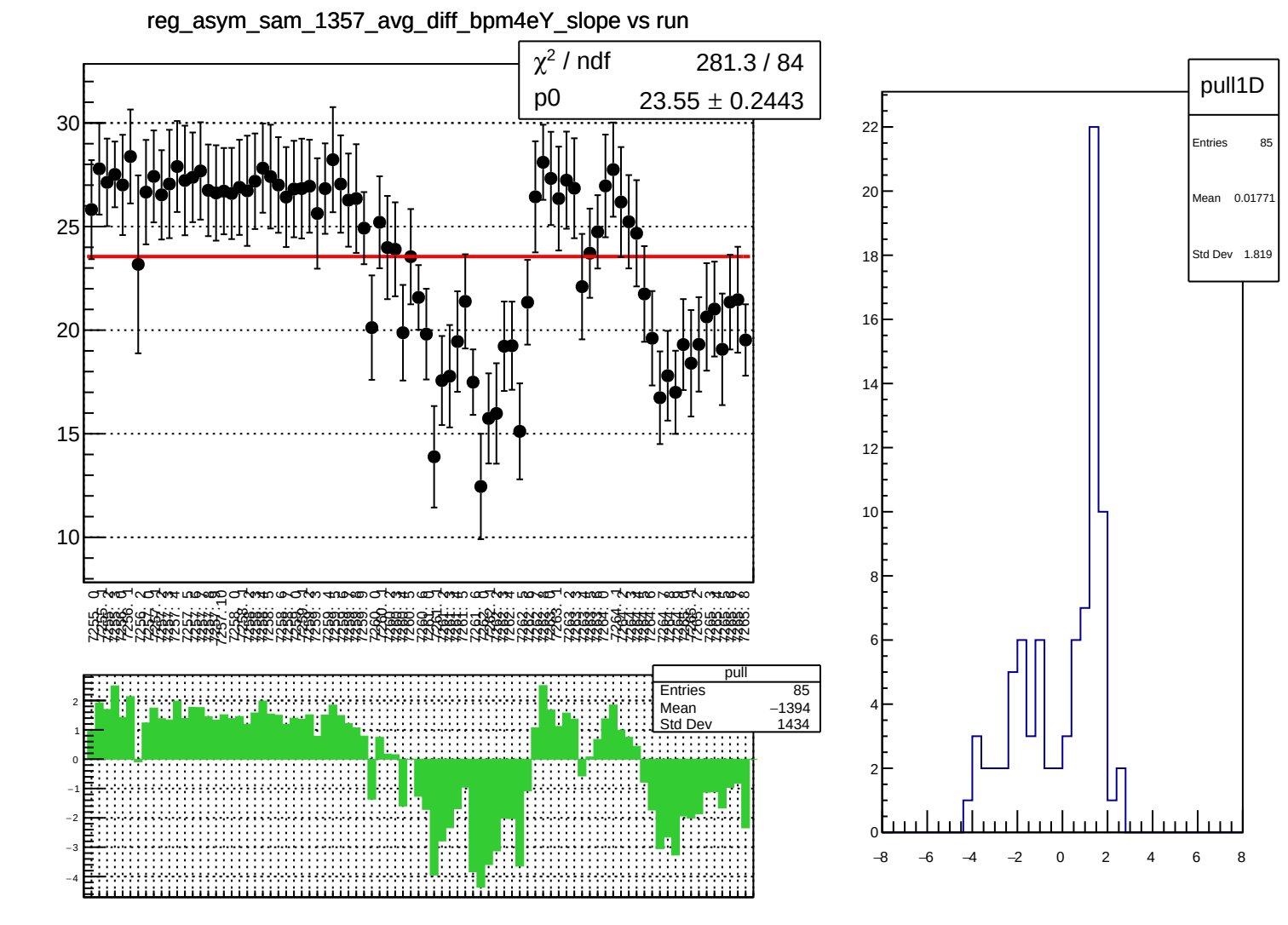

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 44.29 / 84
p0 −0.1292 ± 0.003936
−0.05
−0.1
−0.15
−0.2
−0.25
pull
Entries 85
Mean 2616
Std Dev 2576
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.004199
Std Dev 0.7218
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

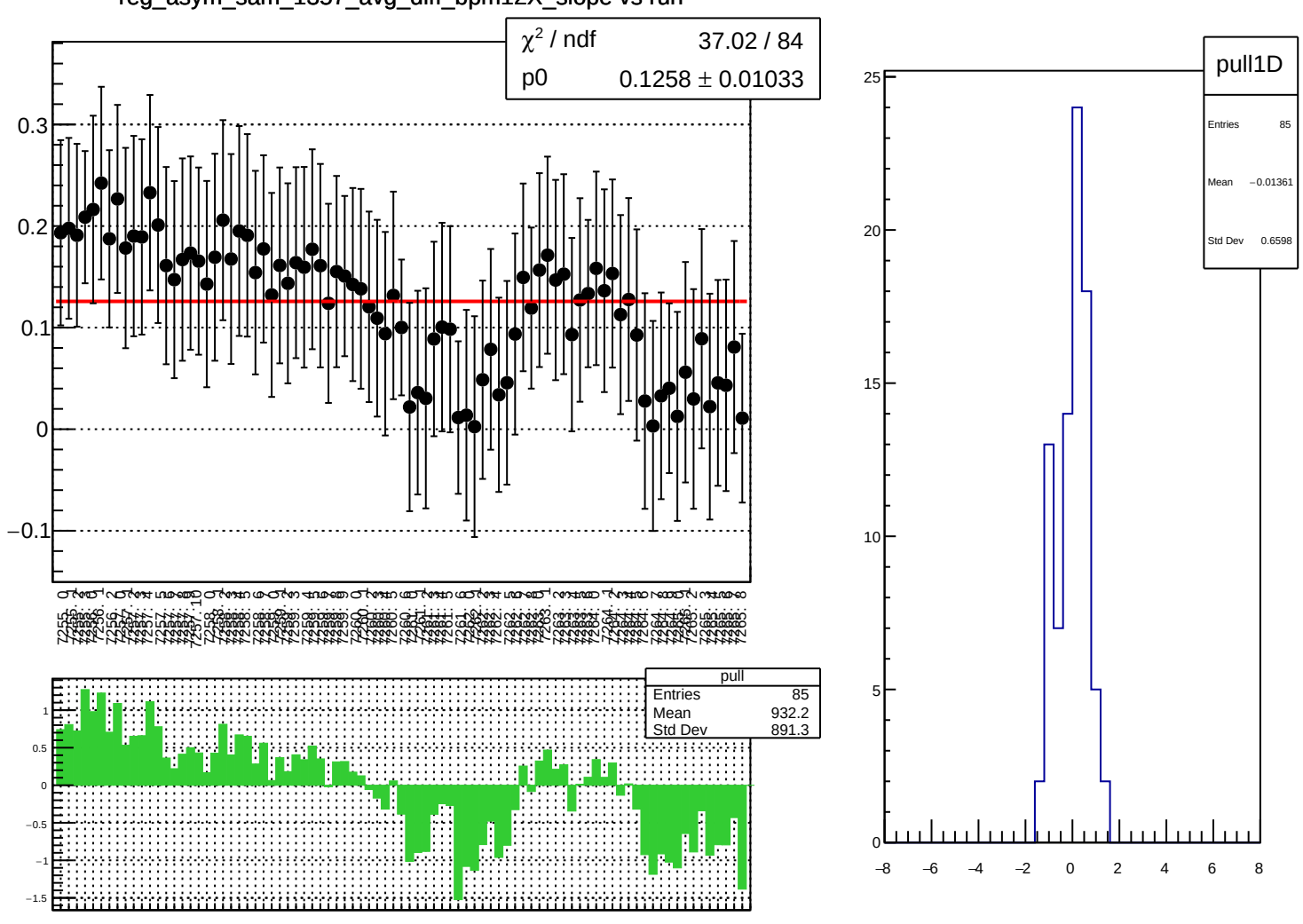

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 940.7 / 84
p0 −9.774 ± 0.2622
pull
Entries 85
Mean −123.1
Std Dev 160.8

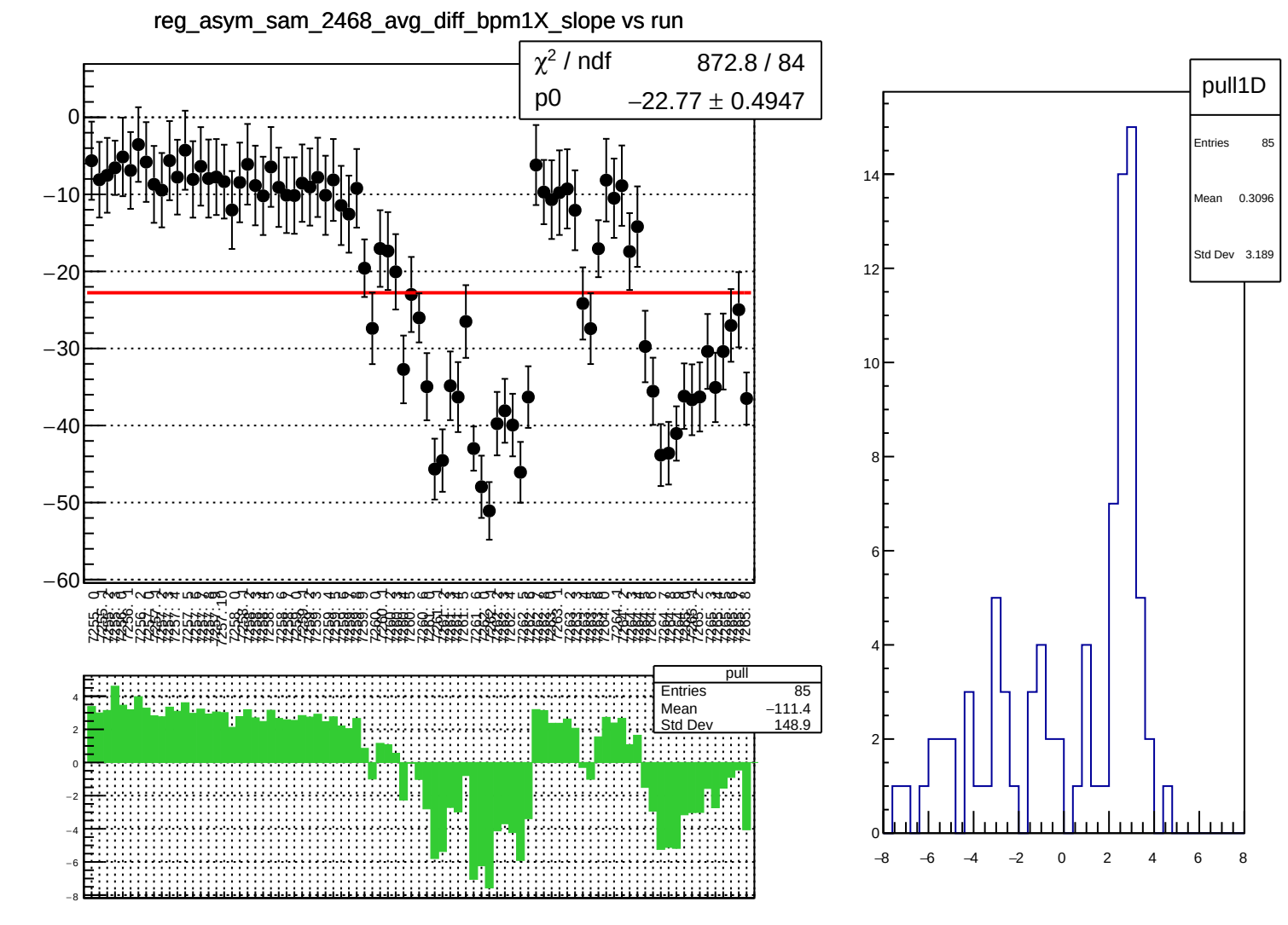

pull1D
Entries 85
Mean 0.2992
Std Dev 3.313

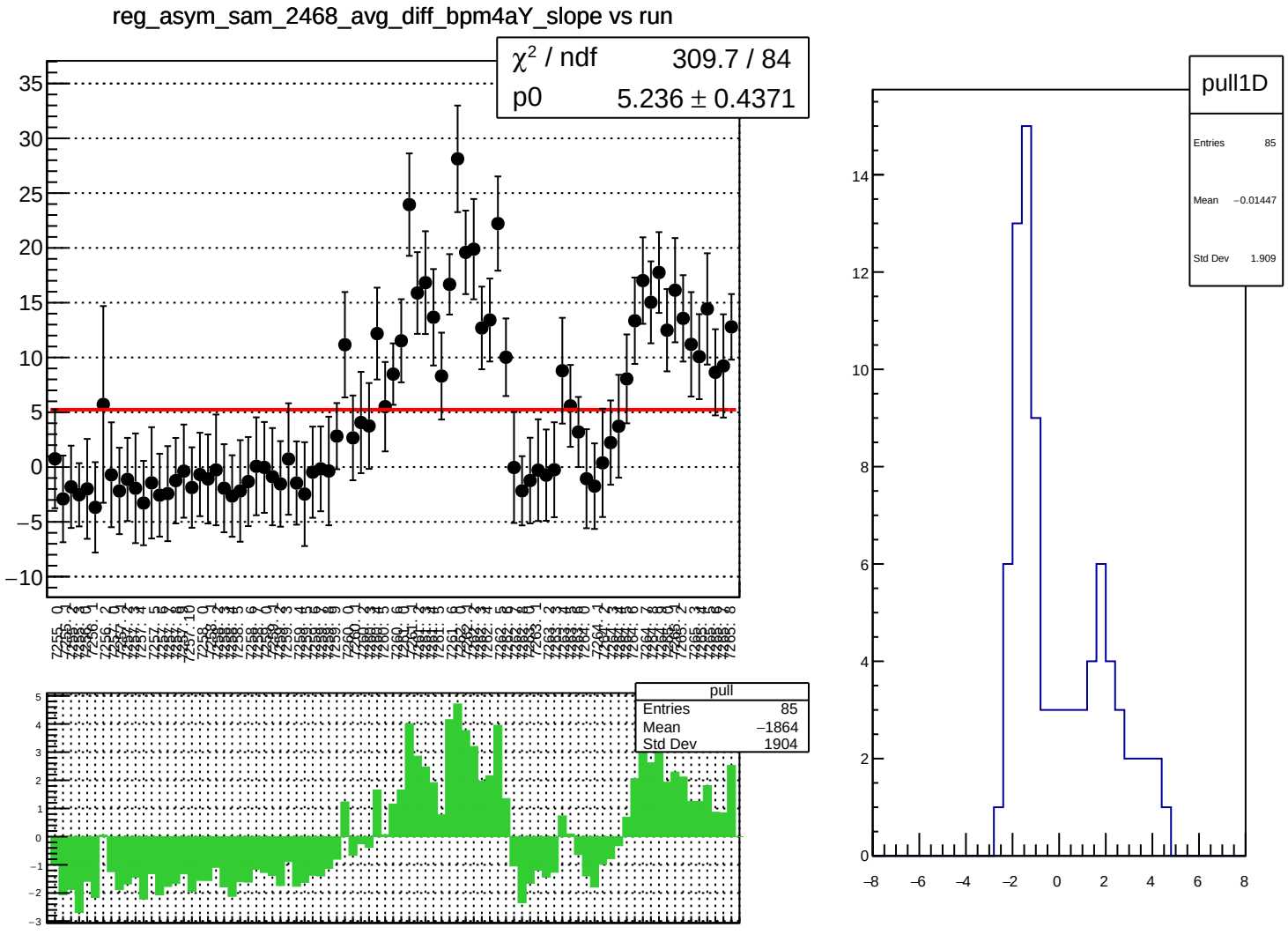

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 338.2 / 84
p0 4.451 ± 0.2318
pull
Entries 85
Mean −1.066e+04
Std Dev 1.07e+04
pull1D
Entries 85
Mean −0.002654
Std Dev 1.995

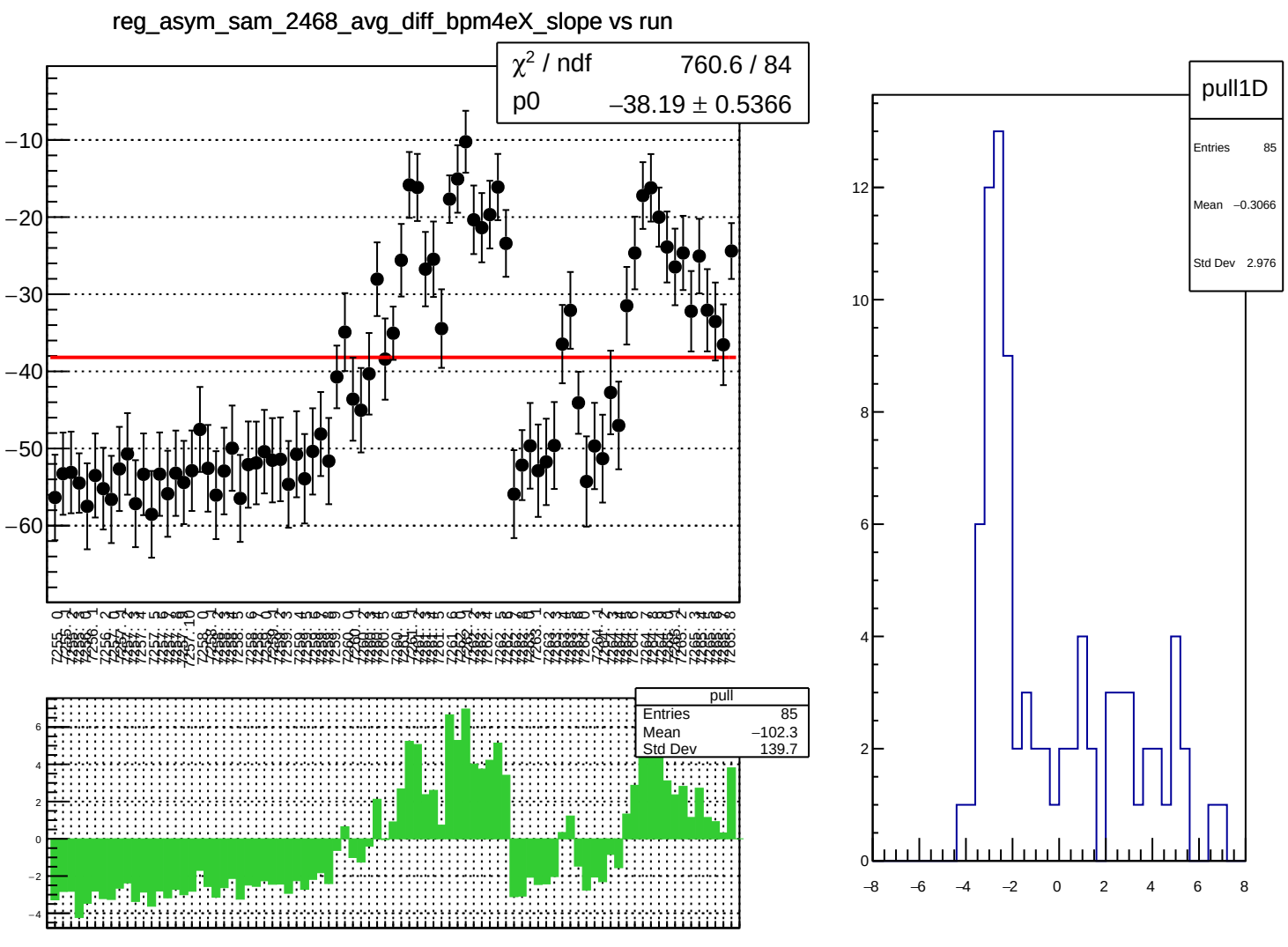

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 823.2 / 84
p0 −18.59 ± 0.2844
pull
Entries 85
Mean −112.9
Std Dev 150.6
pull1D
Entries 85
Mean −0.2973
Std Dev 3.098

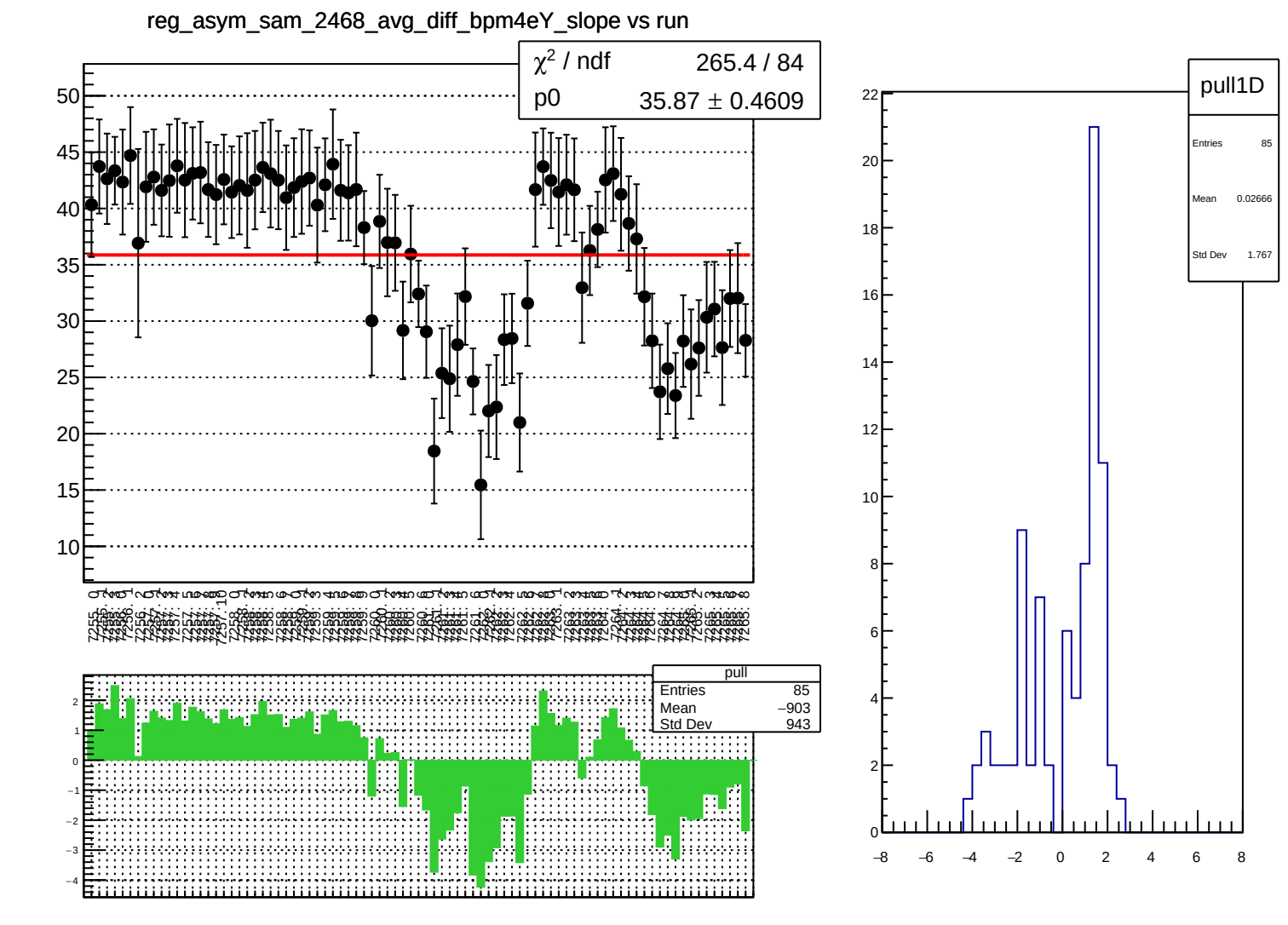

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 281.3 / 84
p0 23.55 ± 0.2443
pull
Entries 85
Mean −1394
Std Dev 1434
pull1D
Entries 85
Mean 0.01771
Std Dev 1.819

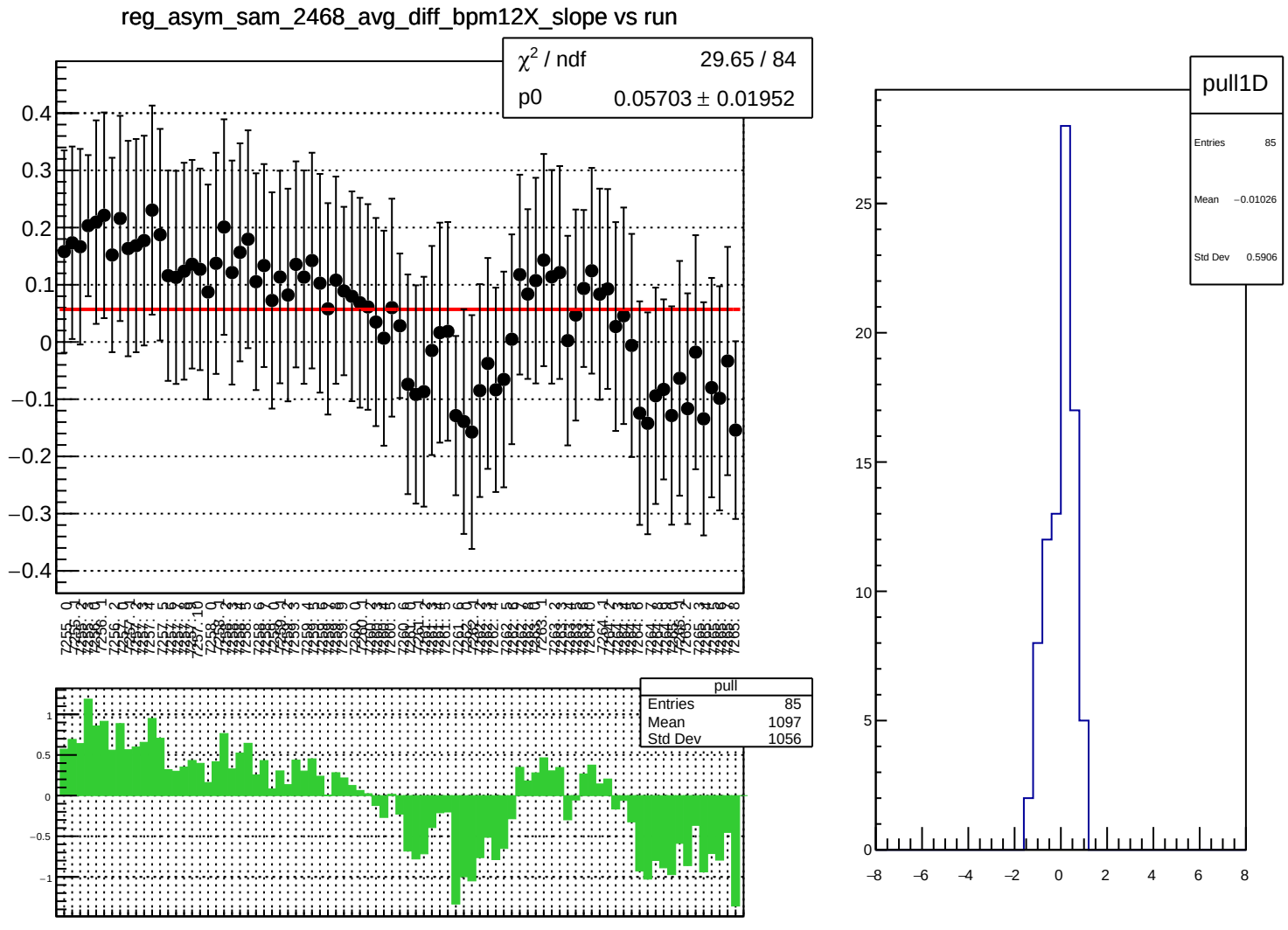

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 37.02 / 84
p0 0.1258 ± 0.01033
pull
Entries 85
Mean 932.2
Std Dev 891.3
pull1D
Entries 85
Mean −0.01361
Std Dev 0.6598

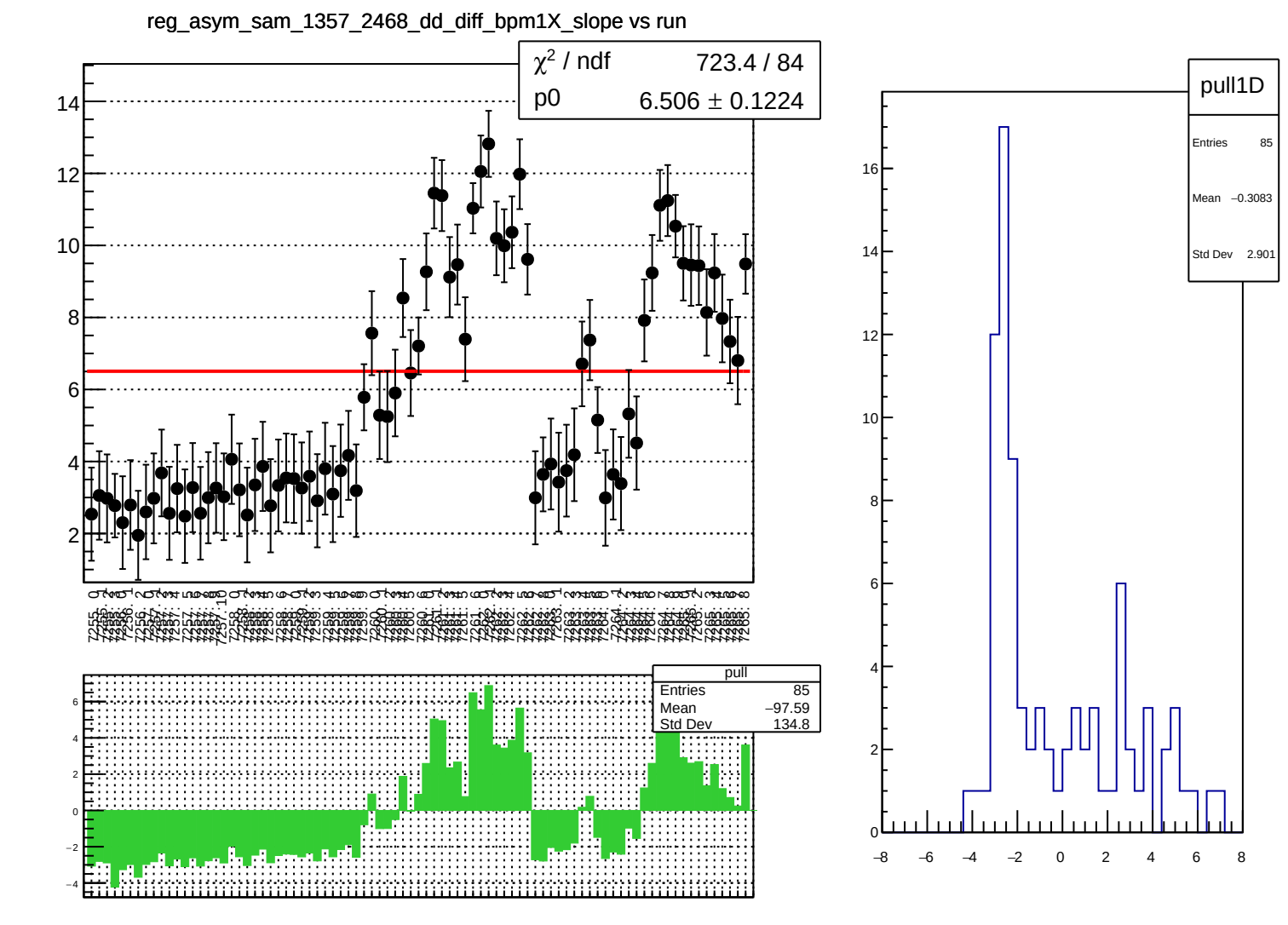

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 872.8 / 84
p0 −22.77 ± 0.4947
pull
Entries 85
Mean −111.4
Std Dev 148.9
pull1D
Entries 85
Mean 0.3096
Std Dev 3.189

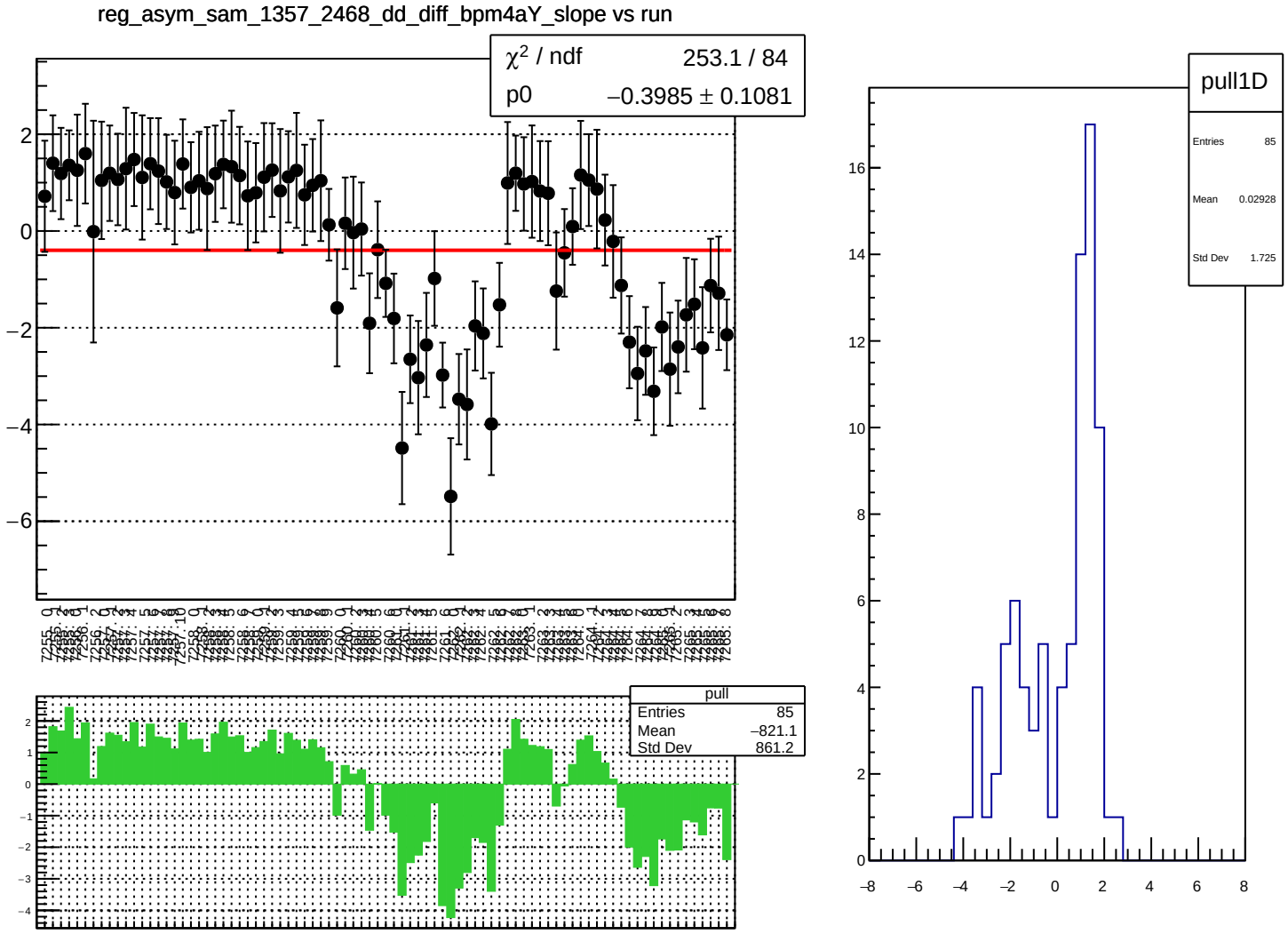

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 309.7 / 84
p0 5.236 ± 0.4371
pull
Entries 85
Mean −1864
Std Dev 1904
pull1D
Entries 85
Mean −0.01447
Std Dev 1.909


reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 760.6 / 84
p0 −38.19 ± 0.5366
pull
Entries 85
Mean −102.3
Std Dev 139.7
pull1D
Entries 85
Mean −0.3066
Std Dev 2.976

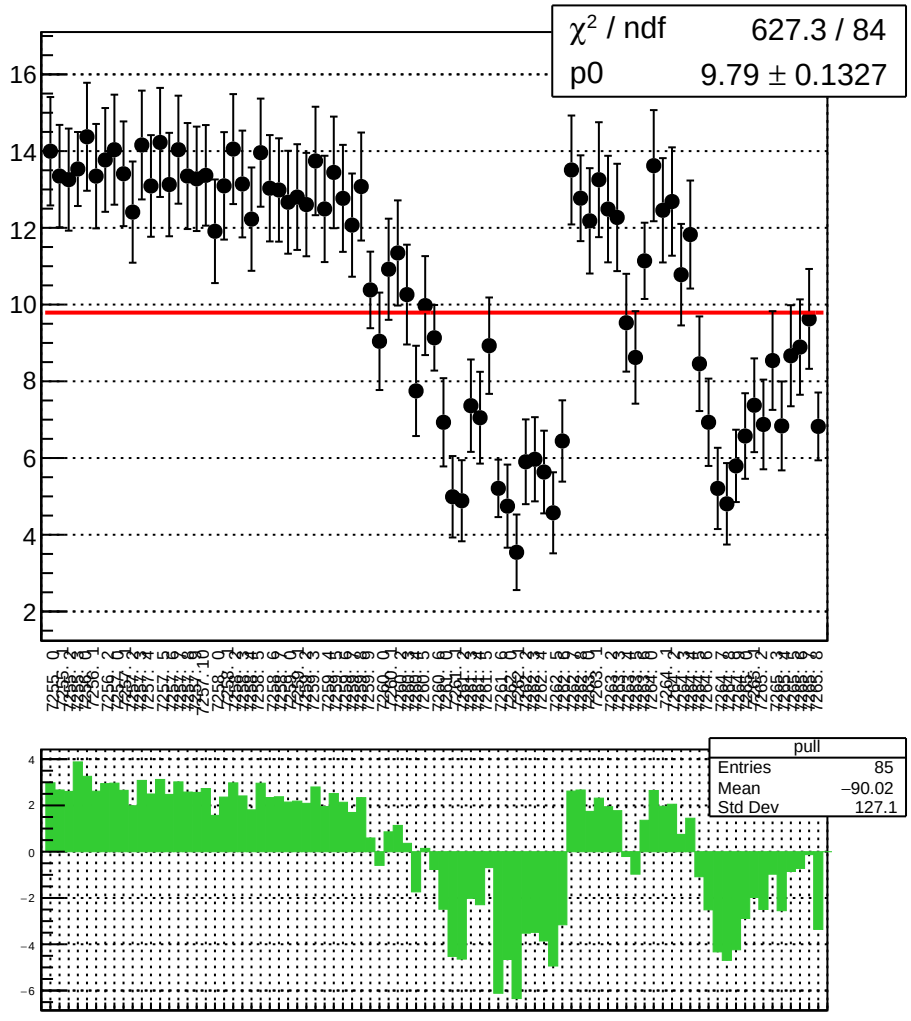

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 265.4 / 84
p0 35.87 ± 0.4609
pull
Entries 85
Mean −903
Std Dev 943
pull1D
Entries 85
Mean 0.02666
Std Dev 1.767

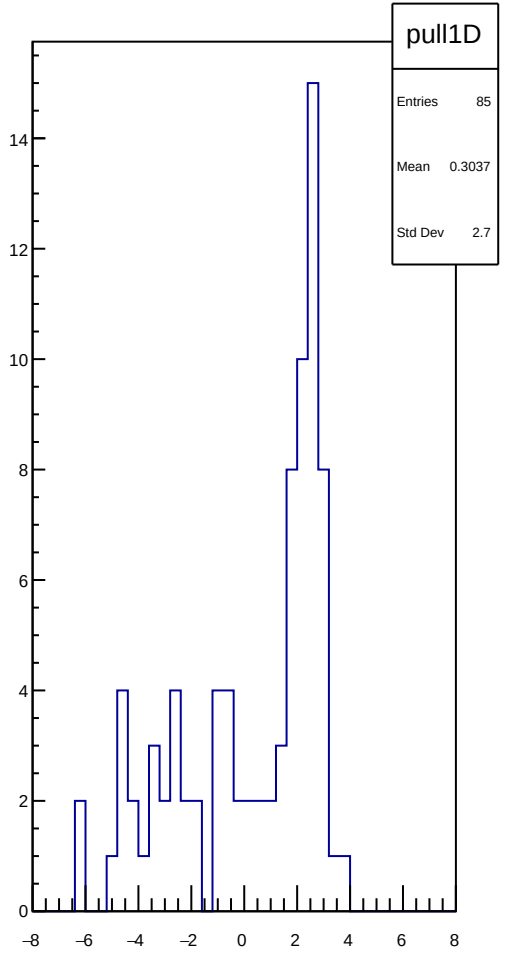

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 29.65 / 84
p0 0.05703 ± 0.01952
pull
Entries 85
Mean 1097
Std Dev 1056
pull1D
Entries 85
Mean −0.01026
Std Dev 0.5906

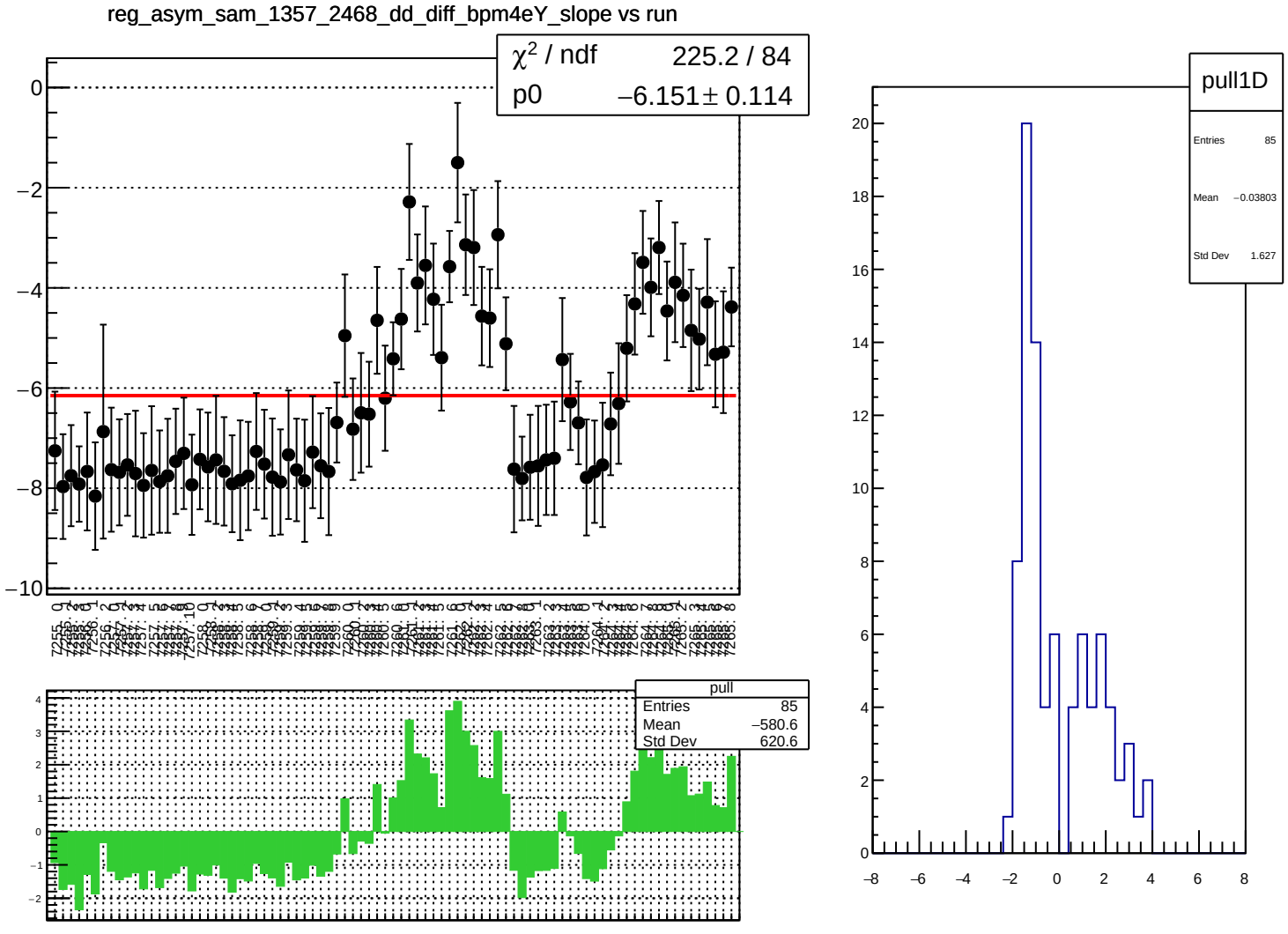

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 723.4 / 84
p0 6.506 ± 0.1224
pull
Entries 85
Mean −97.59
Std Dev 134.8
pull1D
Entries 85
Mean −0.3083
Std Dev 2.901

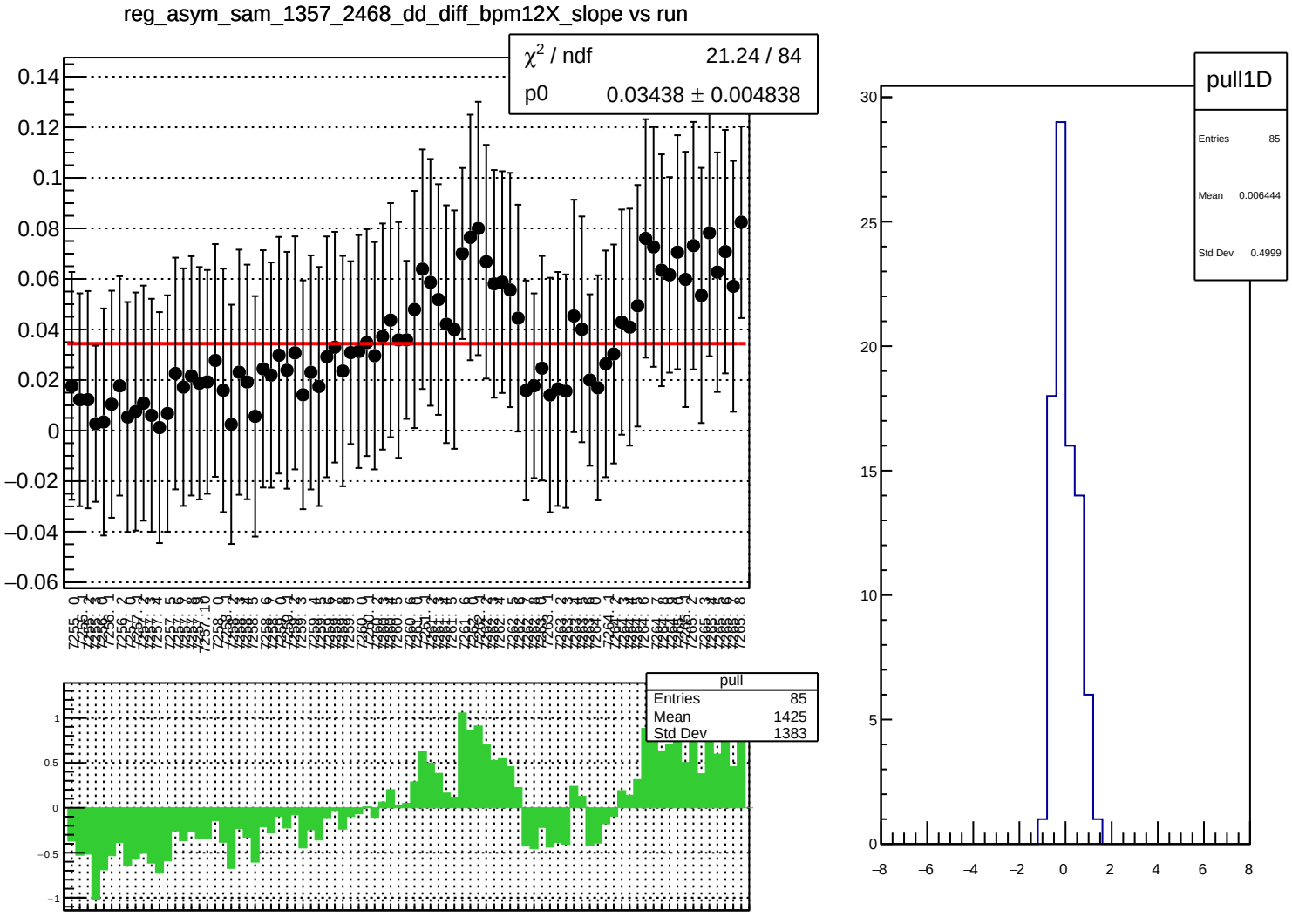

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 253.1 / 84
p0 −0.3985 ± 0.1081
pull
Entries 85
Mean −821.1
Std Dev 861.2
pull1D
Entries 85
Mean 0.02928
Std Dev 1.725

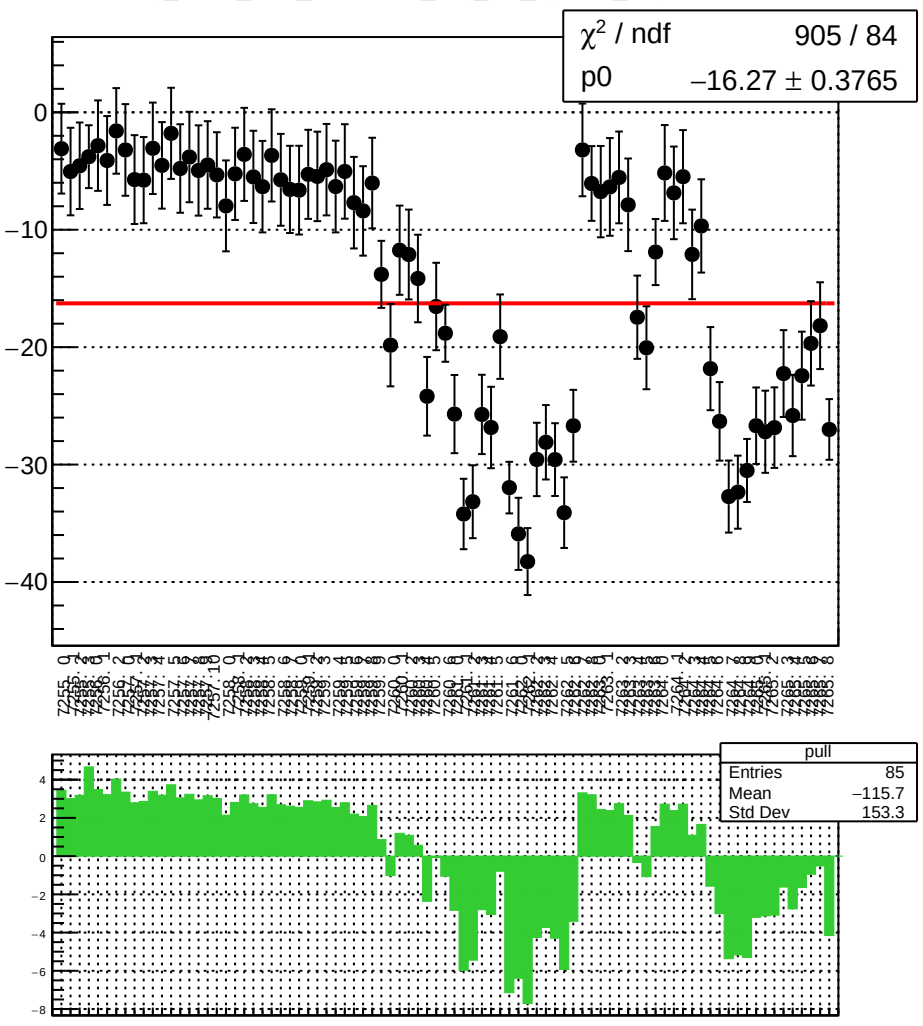
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

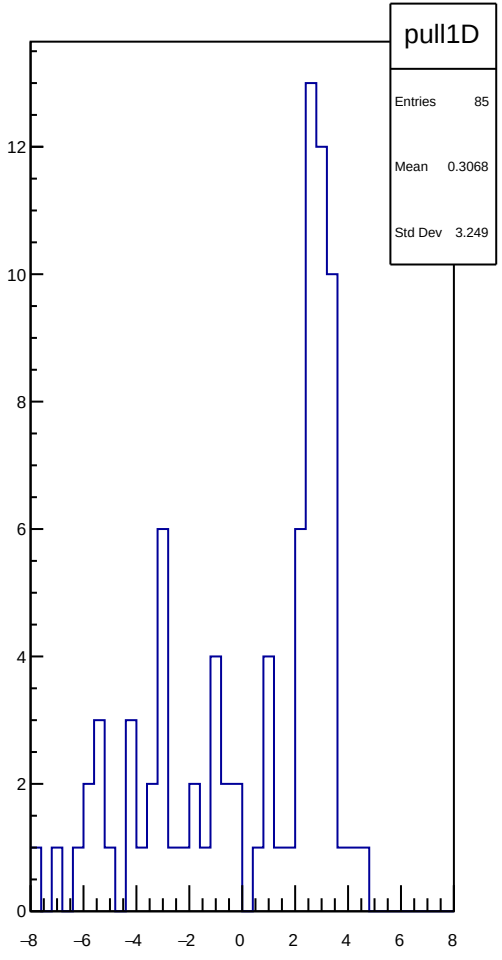


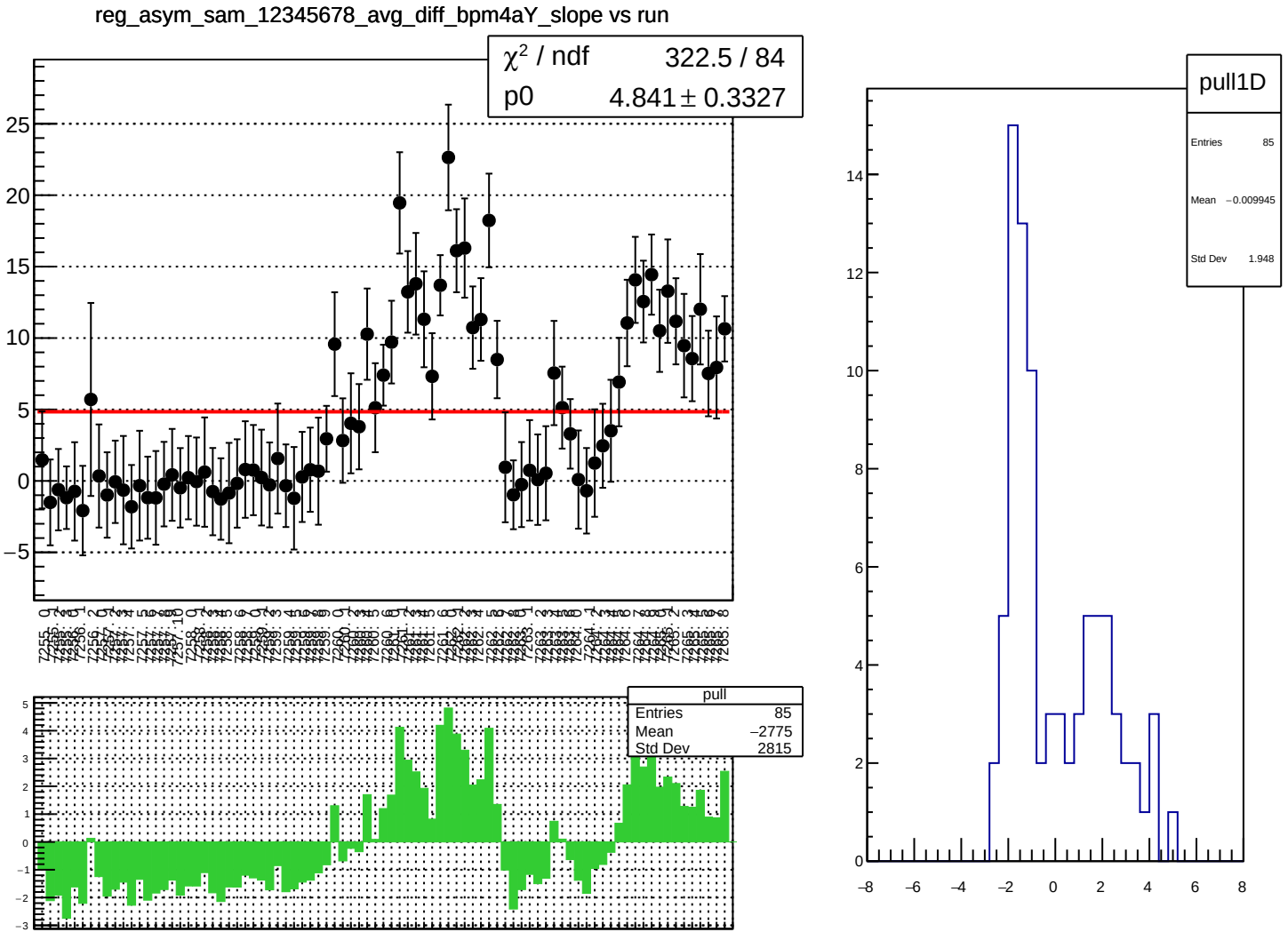


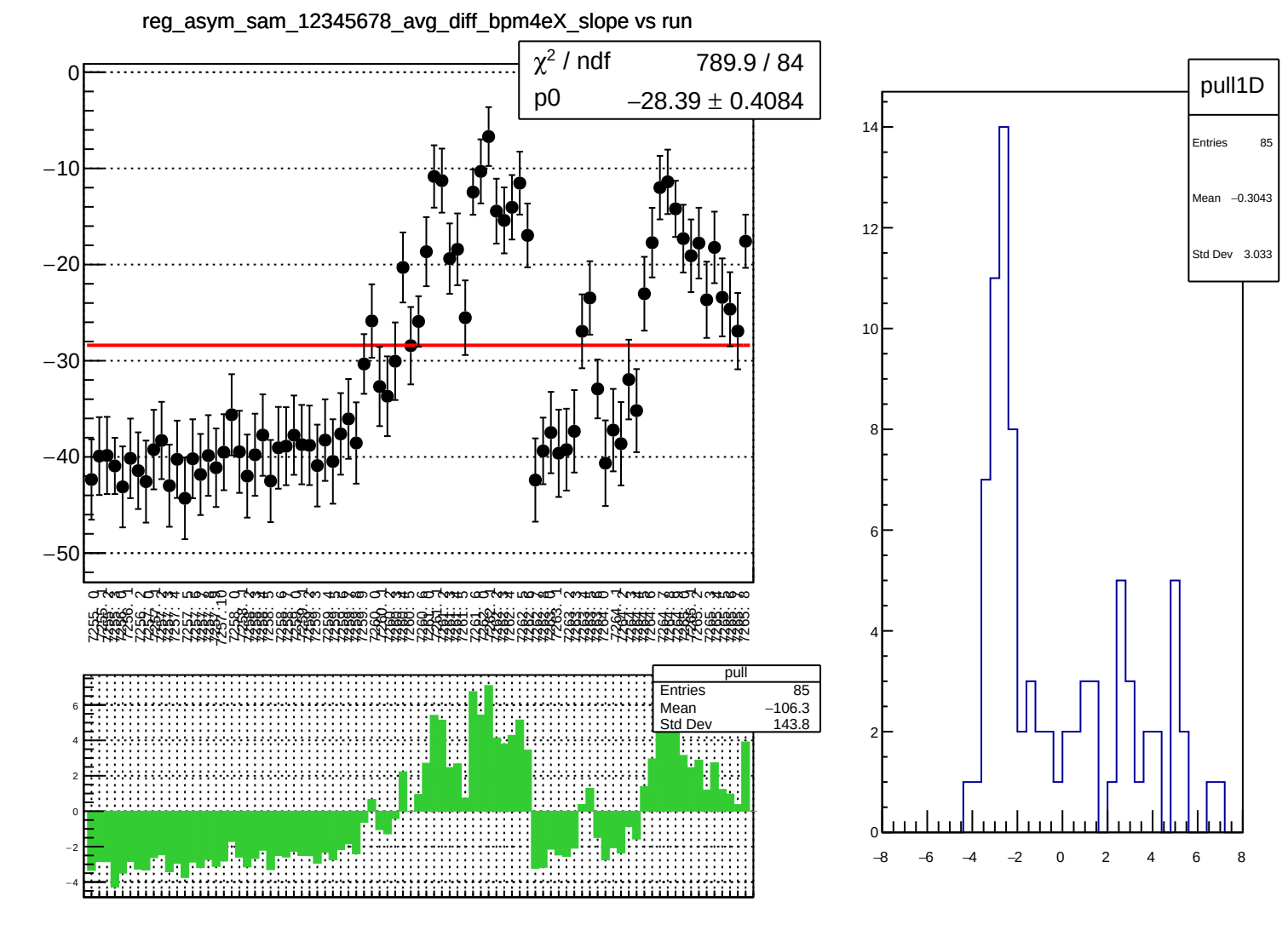

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 225.2 / 84
p0 −6.151 ± 0.114
pull
Entries 85
Mean −580.6
Std Dev 620.6
pull1D
Entries 85
Mean −0.03803
Std Dev 1.627

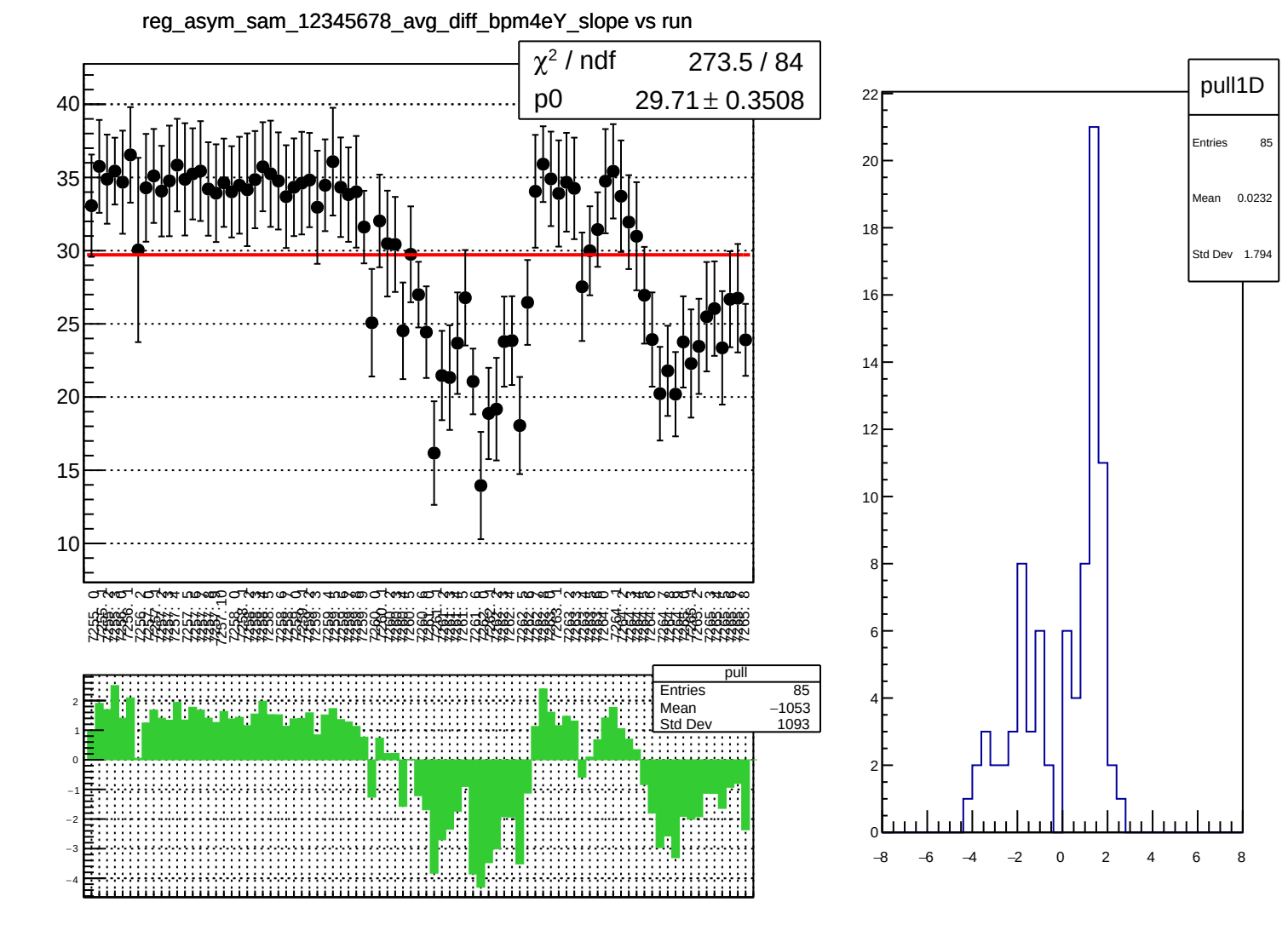

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 21.24 / 84
p0 0.03438 ± 0.004838
pull
Entries 85
Mean 1425
Std Dev 1383
pull1D
Entries 85
Mean 0.006444
Std Dev 0.4999

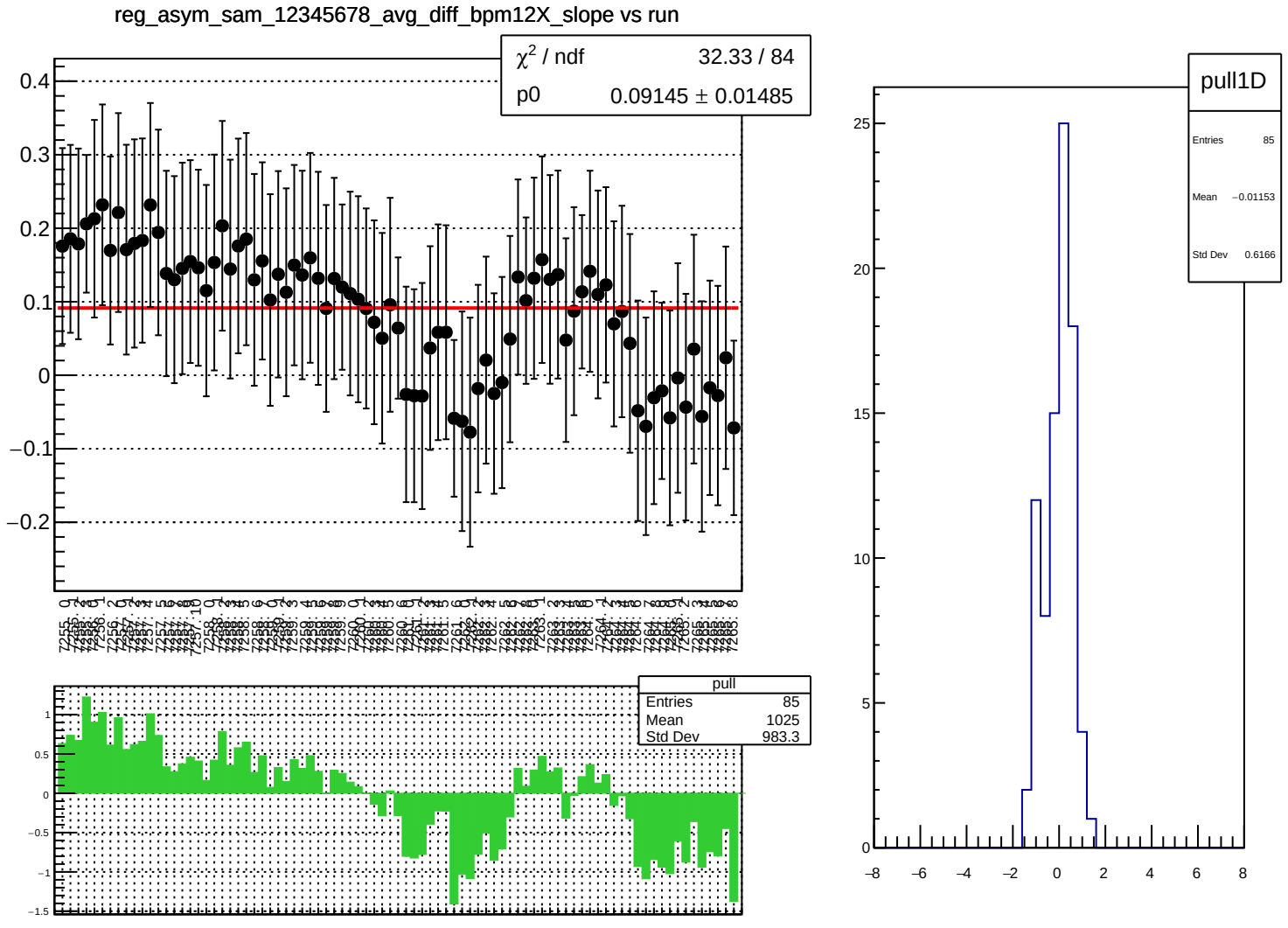

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 905 / 84
p0 −16.27 ± 0.3765
pull
Entries 85
Mean −115.7
Std Dev 153.3

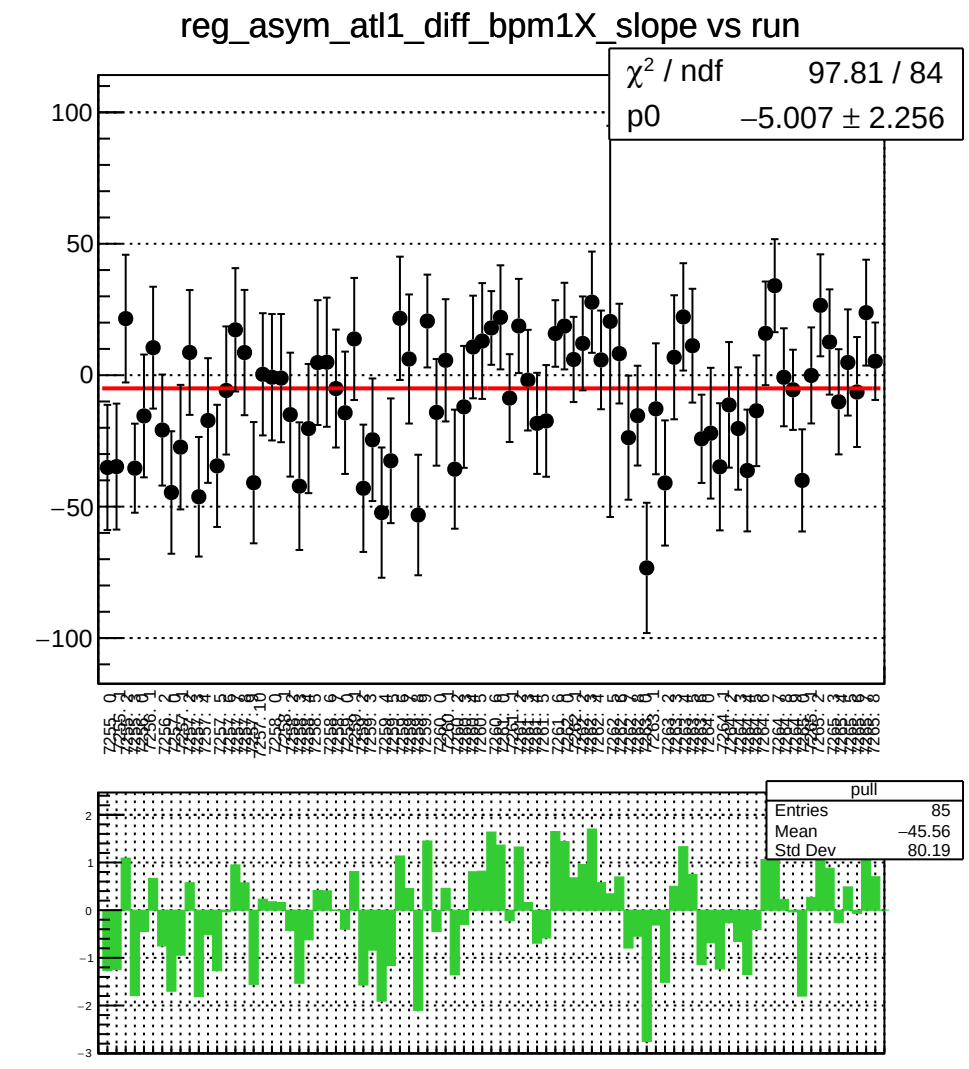

pull1D
Entries 85
Mean 0.3068
Std Dev 3.249

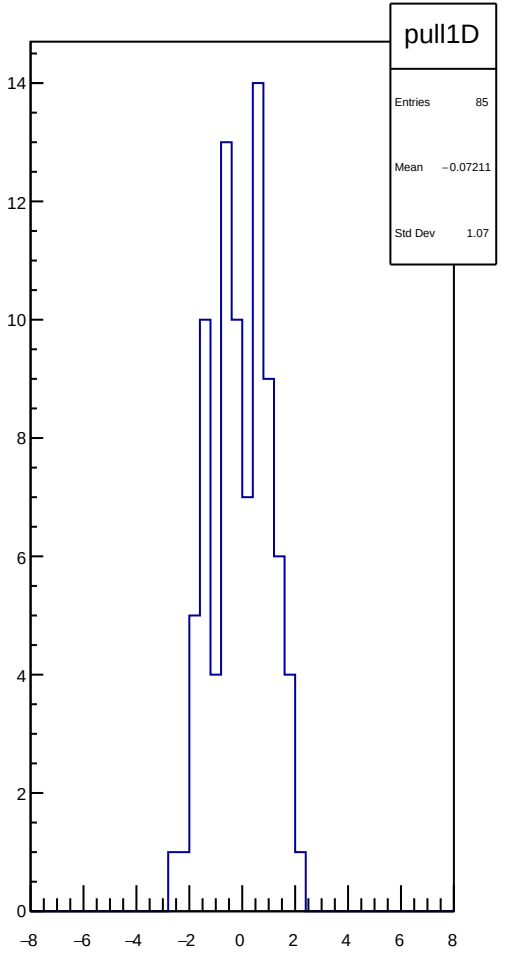

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 322.5 / 84
p0 4.841 ± 0.3327
pull
Entries 85
Mean −2775
Std Dev 2815
pull1D
Entries 85
Mean −0.009945
Std Dev 1.948

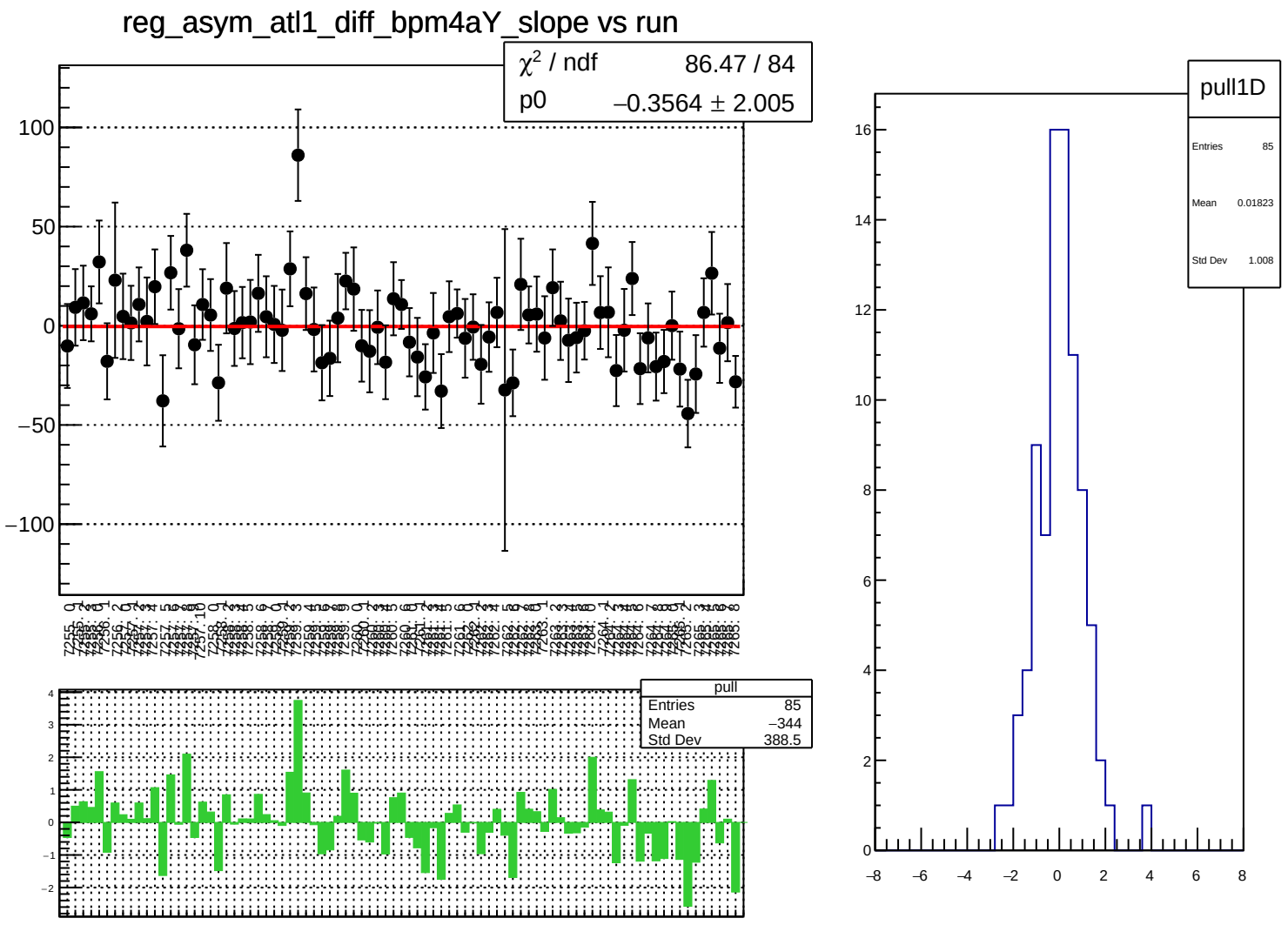

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 789.9 / 84
p0 −28.39 ± 0.4084
pull
Entries 85
Mean −106.3
Std Dev 143.8
pull1D
Entries 85
Mean −0.3043
Std Dev 3.033

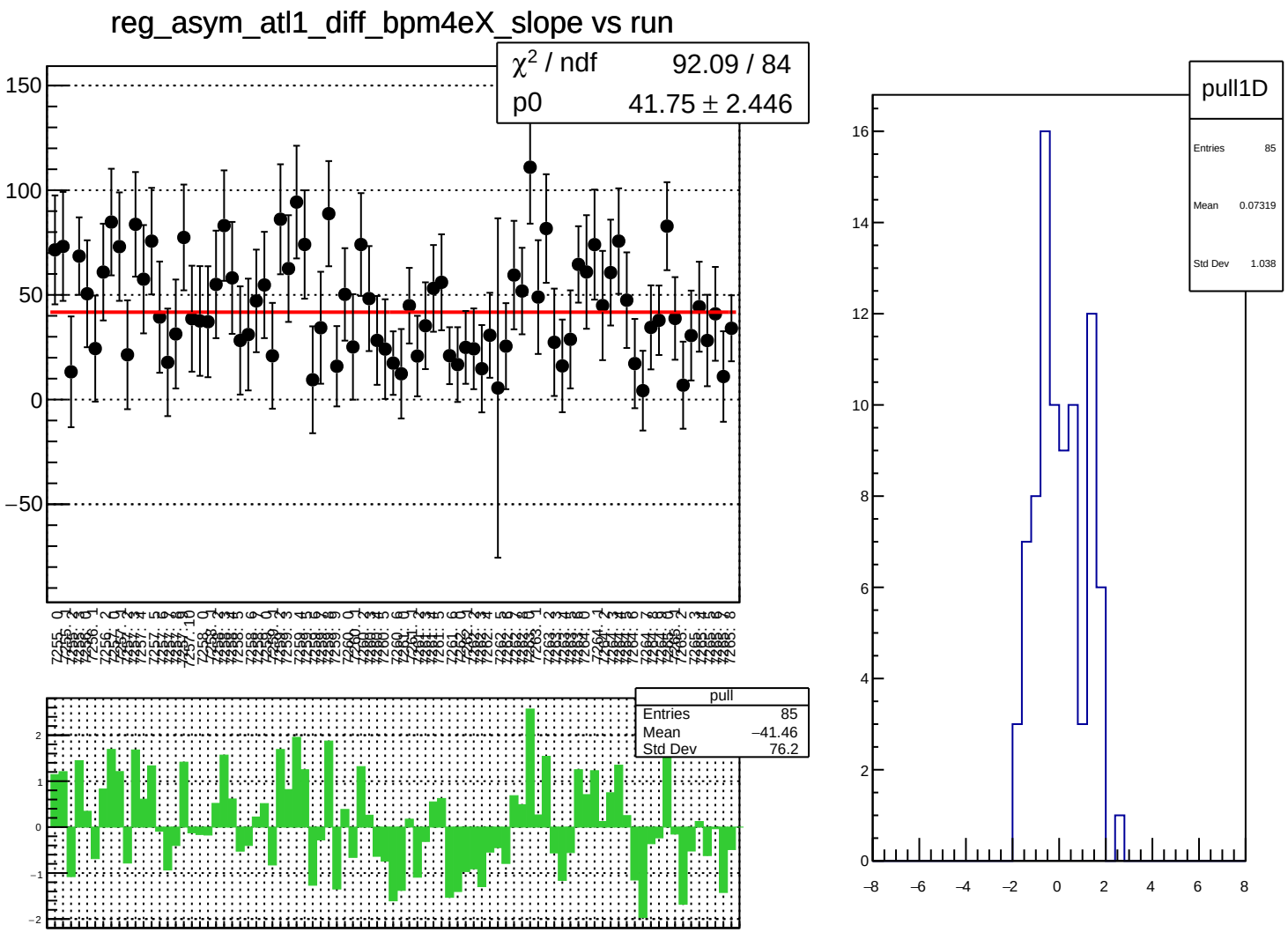

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 273.5 / 84
p0 29.71 ± 0.3508
pull
Entries 85
Mean −1053
Std Dev 1093
pull1D
Entries 85
Mean 0.0232
Std Dev 1.794

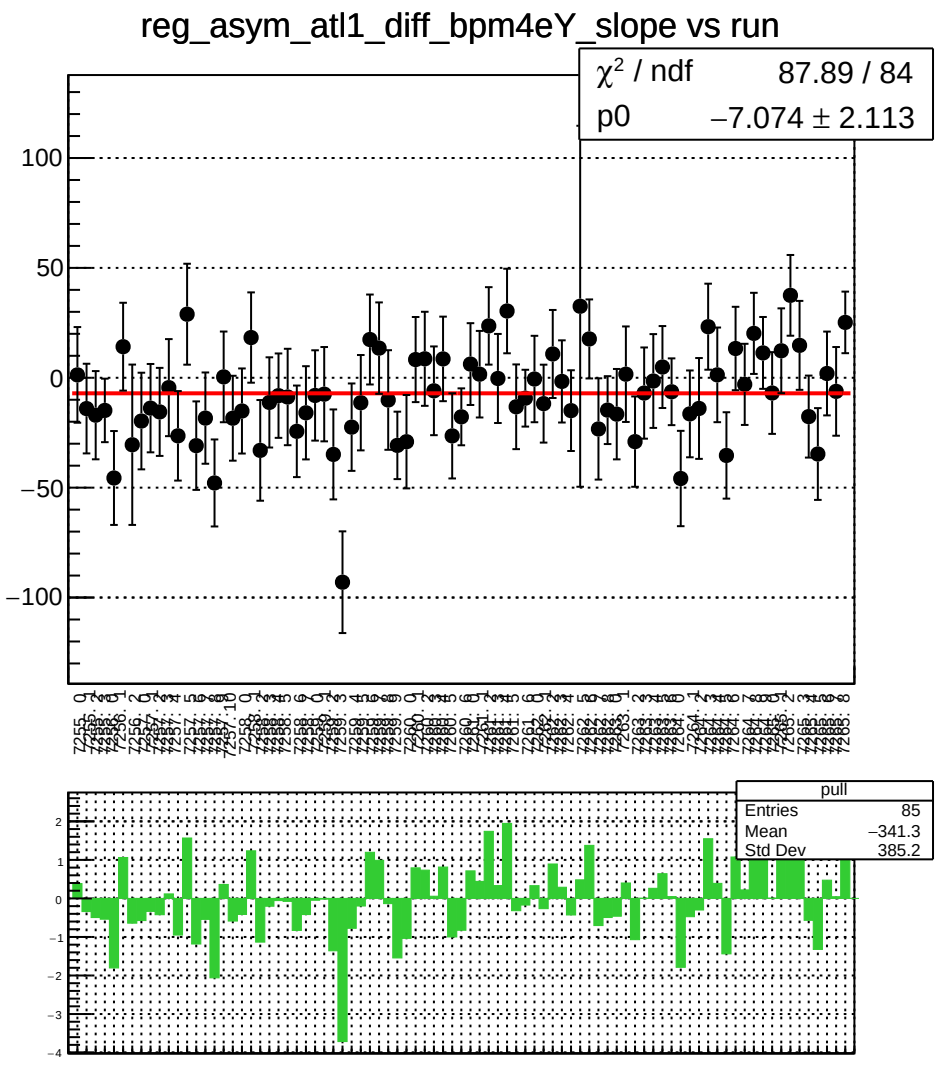

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 32.33 / 84
p0 0.09145 ± 0.01485
pull
Entries 85
Mean 1025
Std Dev 983.3
pull1D
Entries 85
Mean −0.01153
Std Dev 0.6166

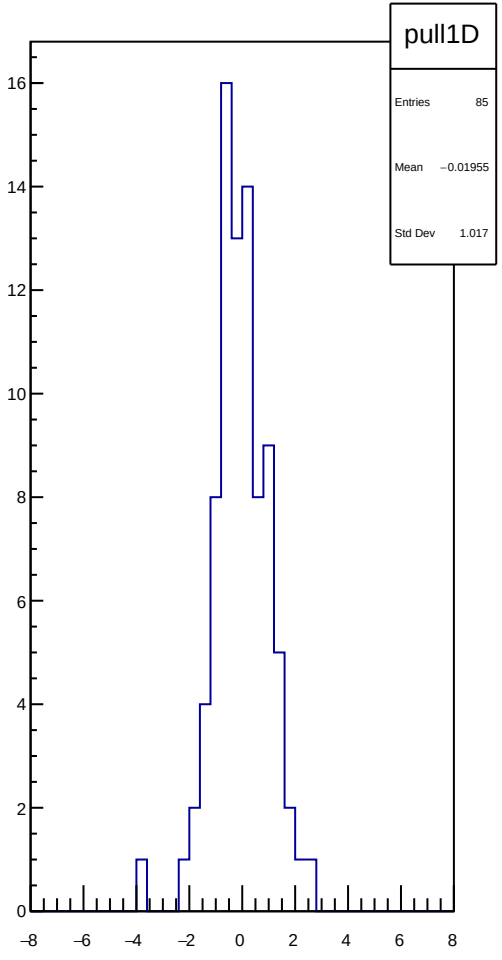

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 97.81 / 84
p0 −5.007 ± 2.256
100
50
0
−50
−100
pull
Entries 85
Mean −45.56
Std Dev 80.19
2
1
0
−1
−2
−3

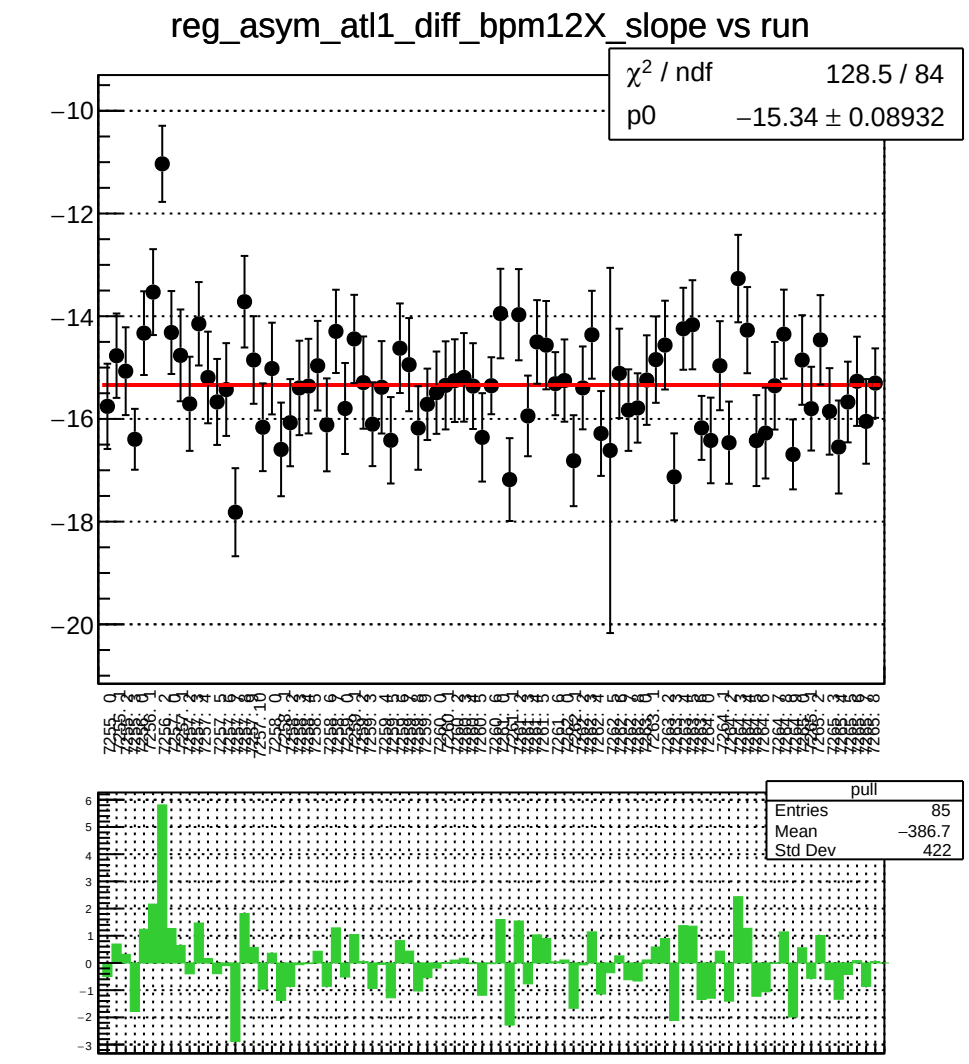

pull1D
Entries 85
Mean −0.07211
Std Dev 1.07
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

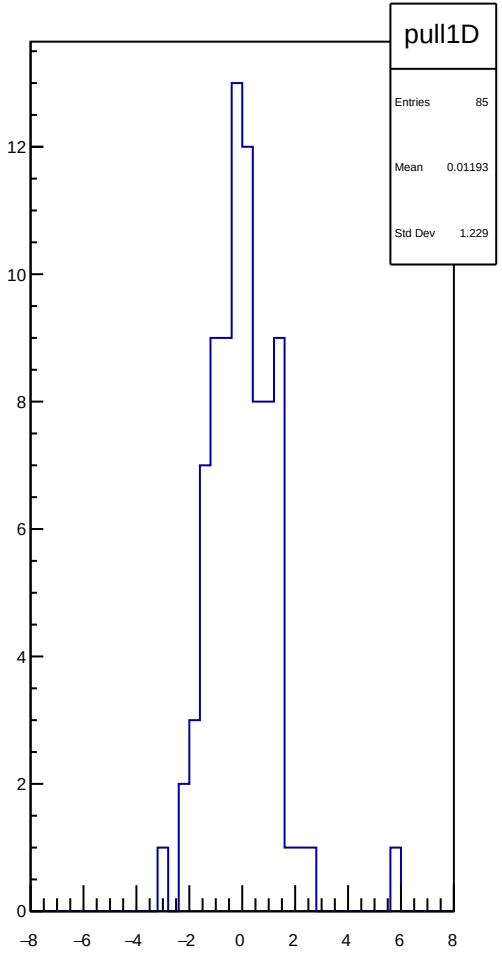

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 86.47 / 84
p0 −0.3564 ± 2.005
pull
Entries 85
Mean −344
Std Dev 388.5
pull1D
Entries 85
Mean 0.01823
Std Dev 1.008

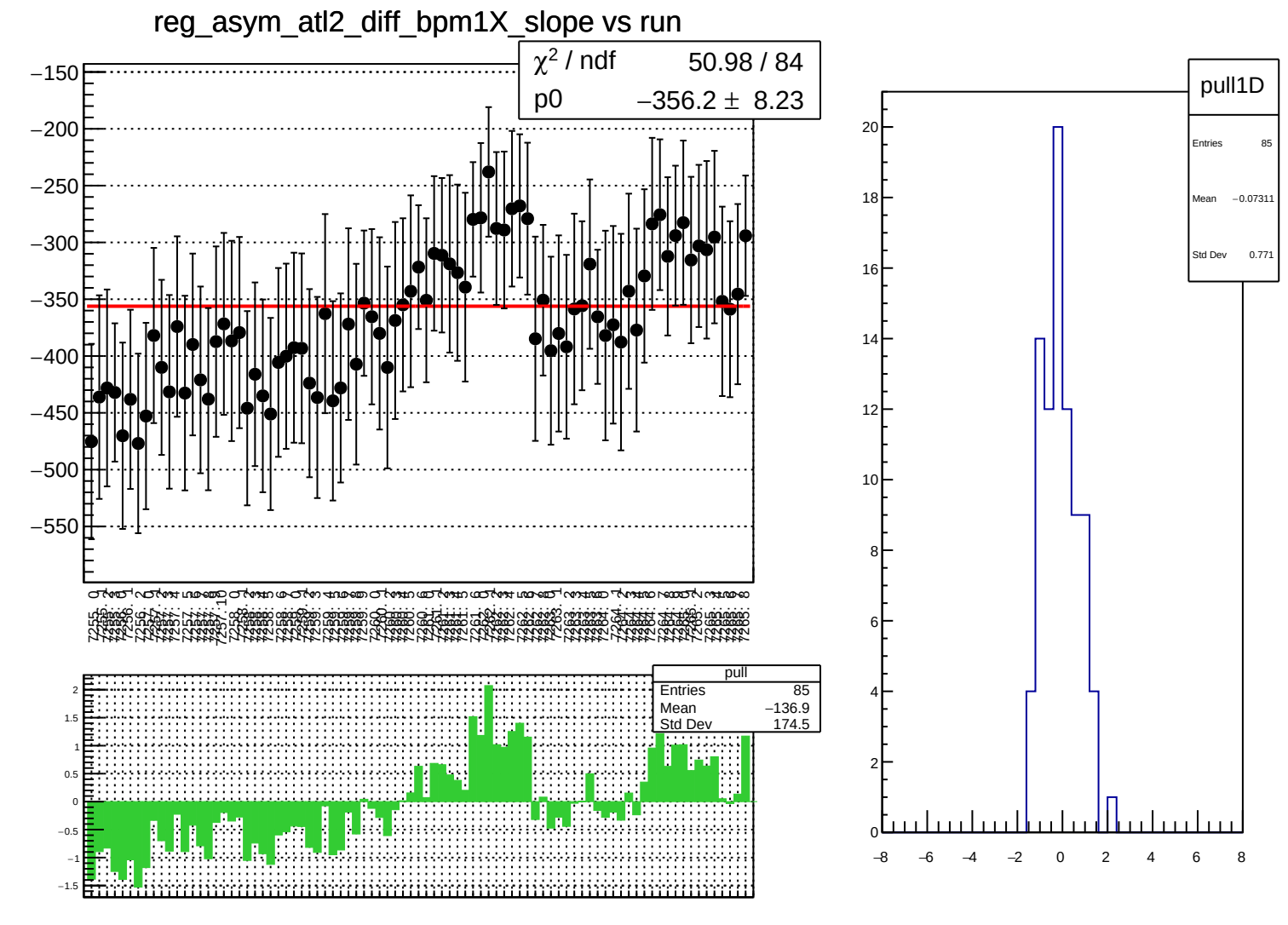

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 92.09 / 84
p0 41.75 ± 2.446
150
100
50
0
−50
pull
Entries 85
Mean −41.46
Std Dev 76.2
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.07319
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

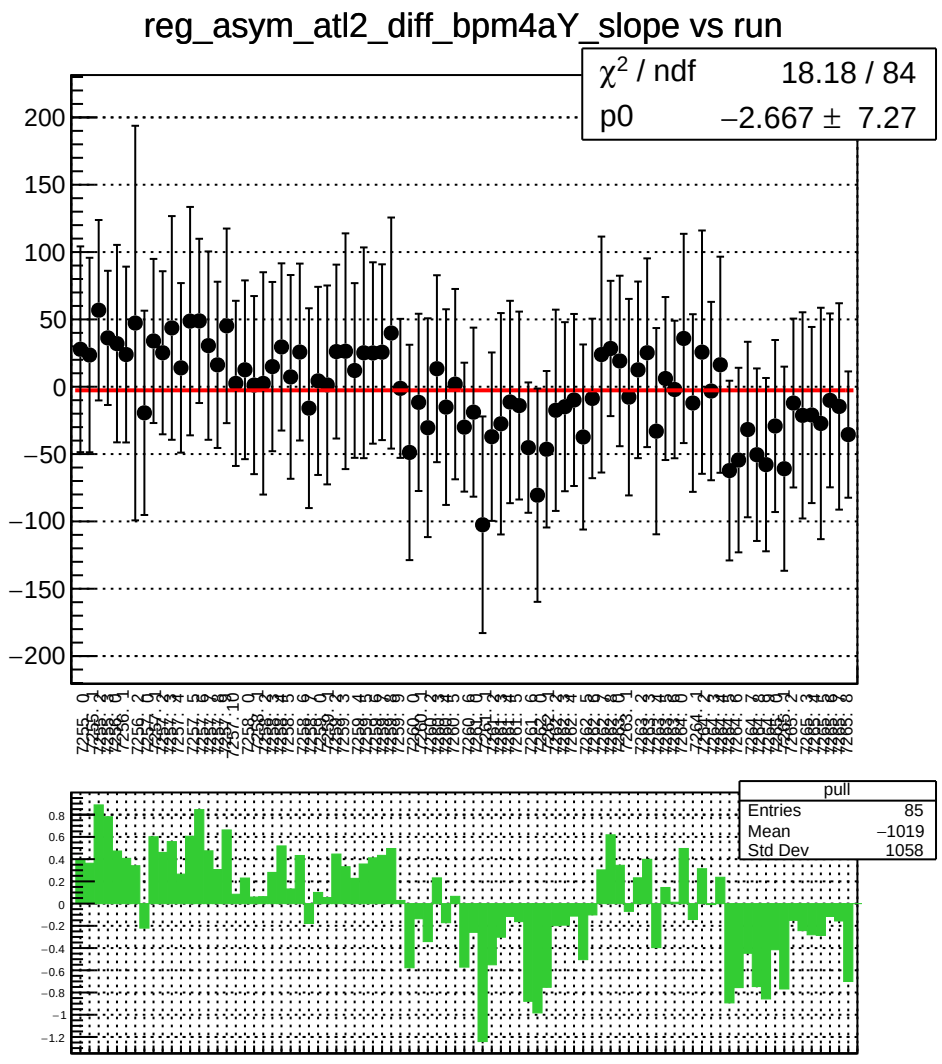

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 87.89 / 84
p0 −7.074 ± 2.113
pull
Entries 85
Mean −341.3
Std Dev 385.2

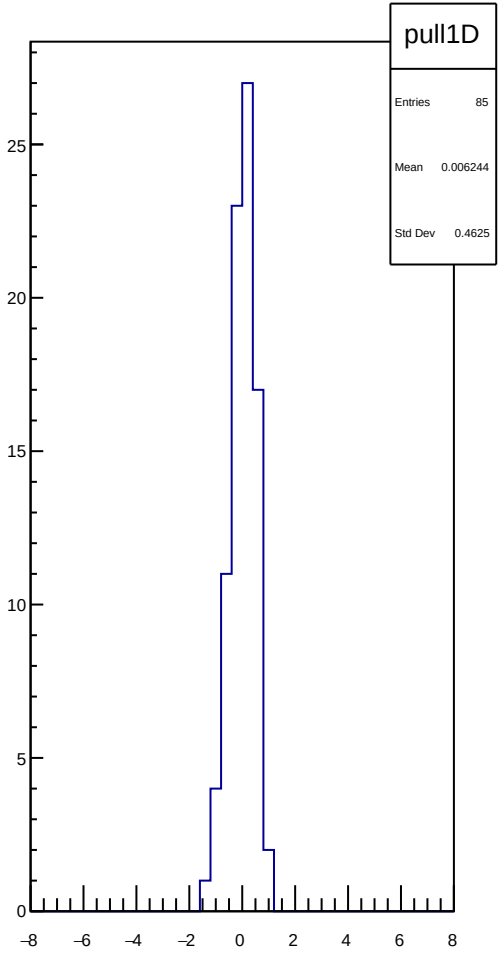

pull1D
Entries 85
Mean −0.01955
Std Dev 1.017

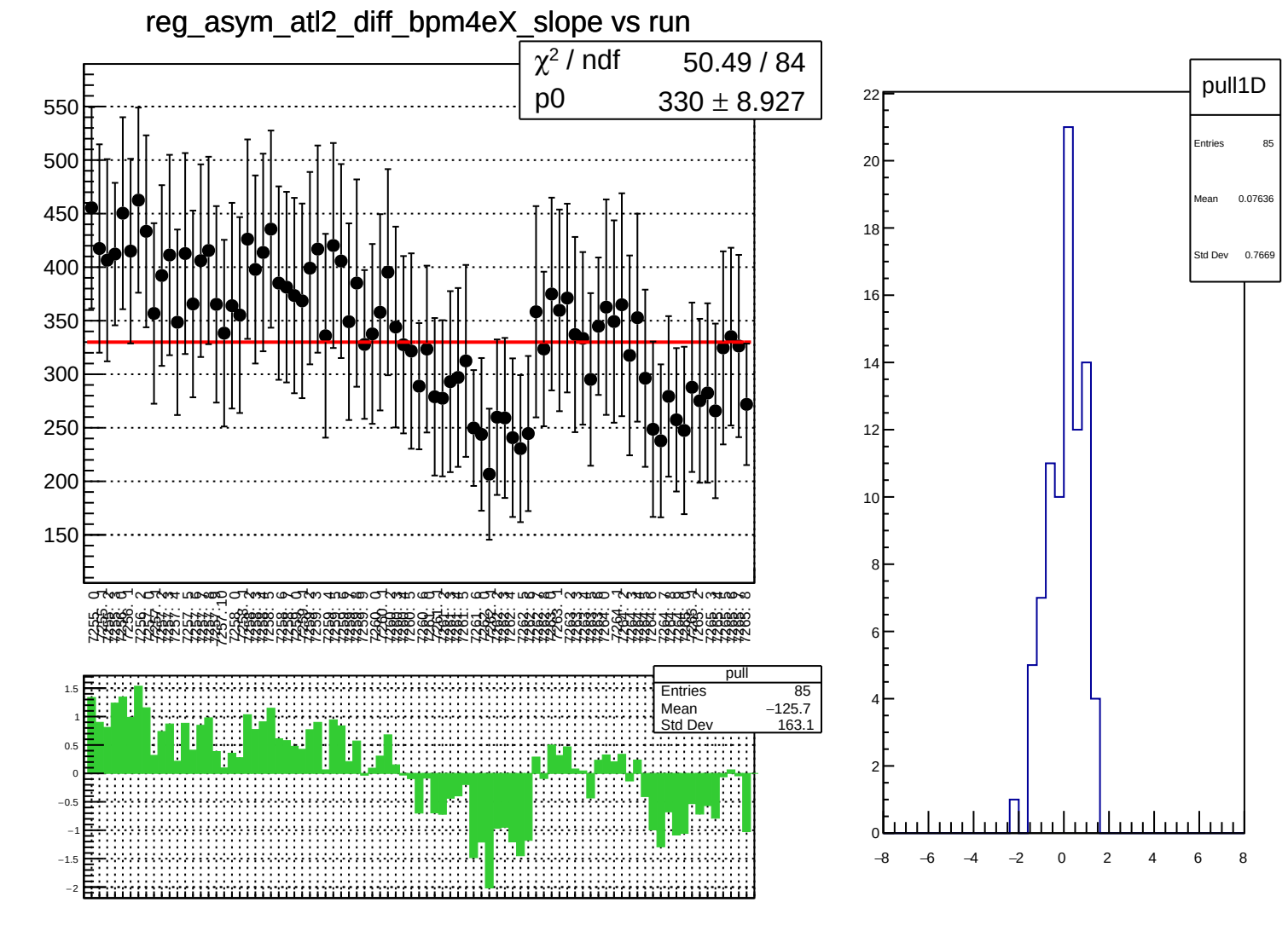

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 128.5 / 84
p0 −15.34 ± 0.08932
pull
Entries 85
Mean −386.7
Std Dev 422

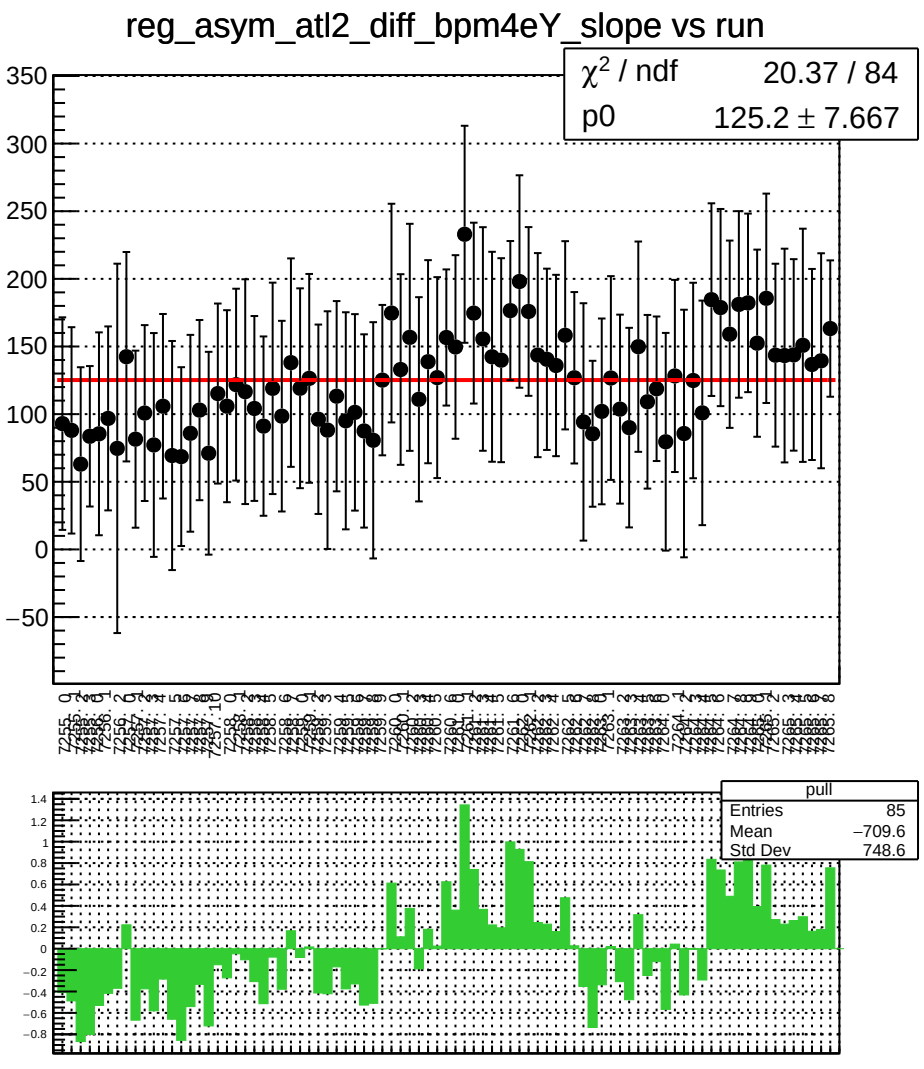

pull1D
Entries 85
Mean 0.01193
Std Dev 1.229

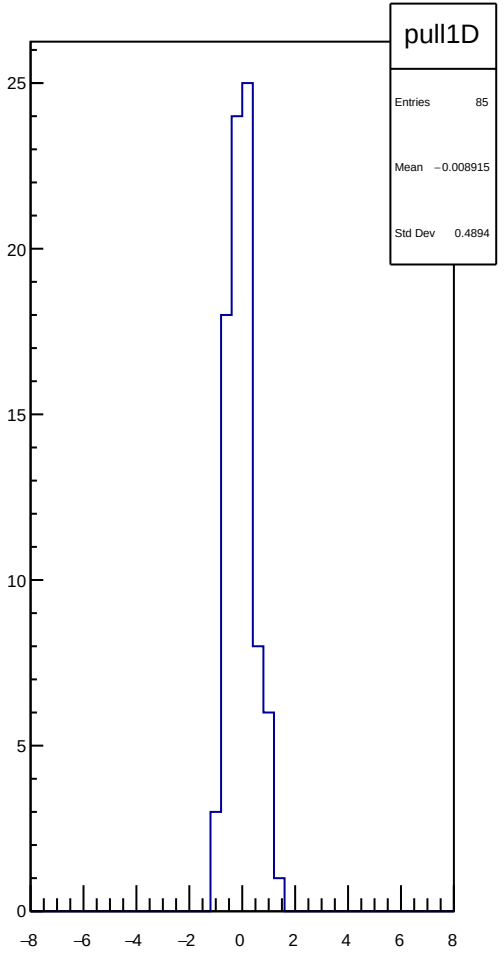

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 50.98 / 84
p0 −356.2 ± 8.23
pull
Entries 85
Mean −136.9
Std Dev 174.5
pull1D
Entries 85
Mean −0.07311
Std Dev 0.771

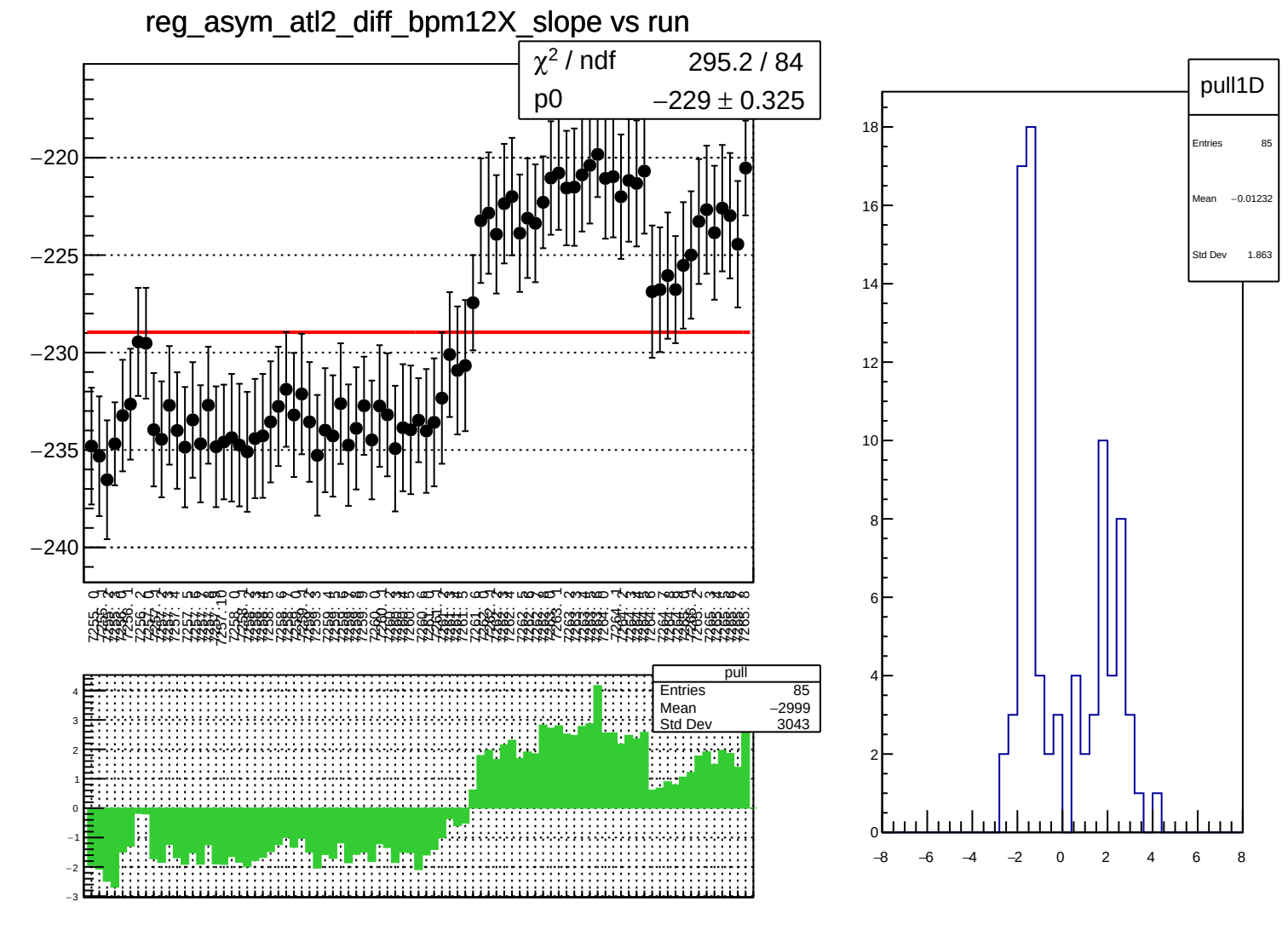

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 18.18 / 84
p0 −2.667 ± 7.27
pull
Entries 85
Mean −1019
Std Dev 1058

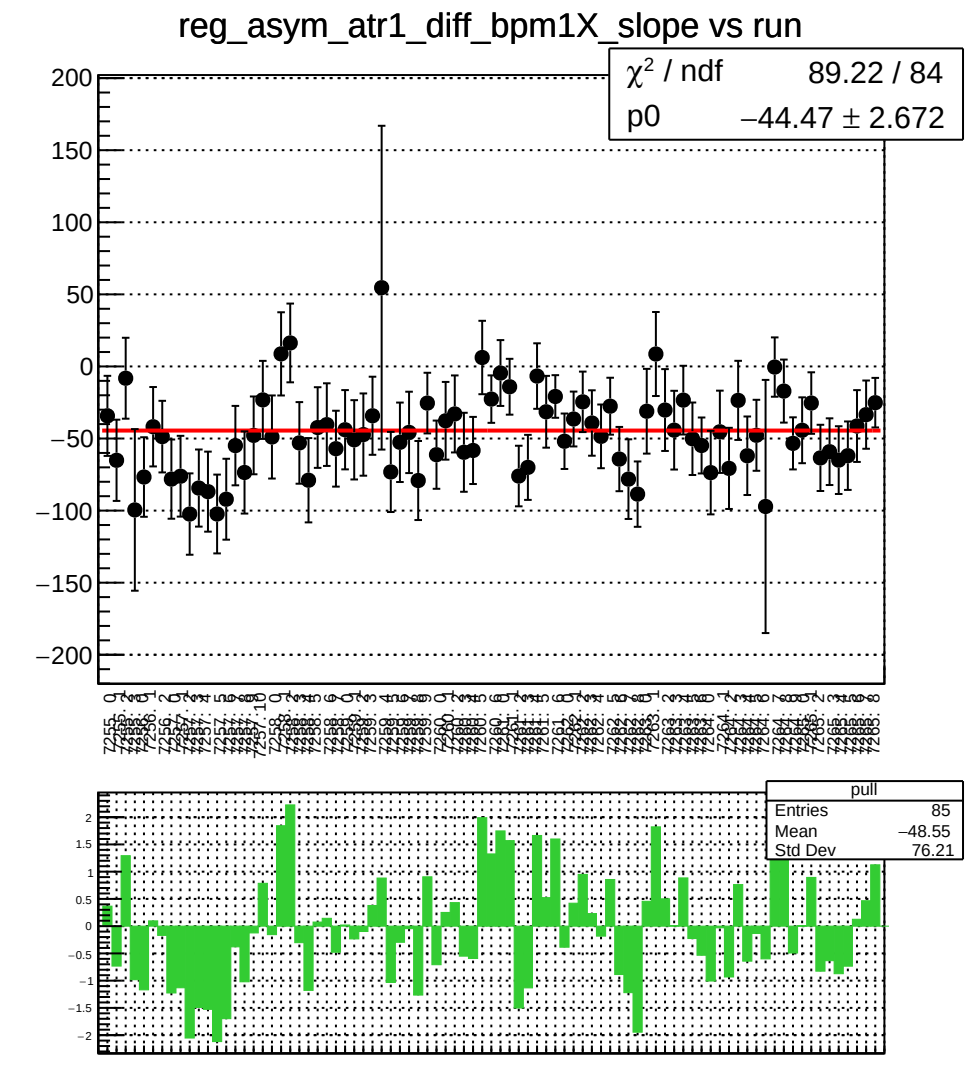

pull1D
Entries 85
Mean 0.006244
Std Dev 0.4625

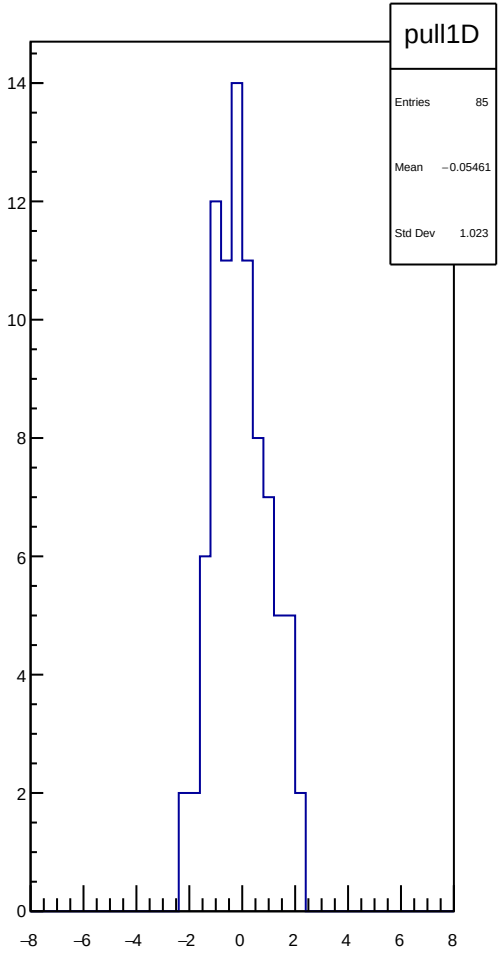

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 50.49 / 84
p0 330 ± 8.927
pull
Entries 85
Mean −125.7
Std Dev 163.1
pull1D
Entries 85
Mean 0.07636
Std Dev 0.7669

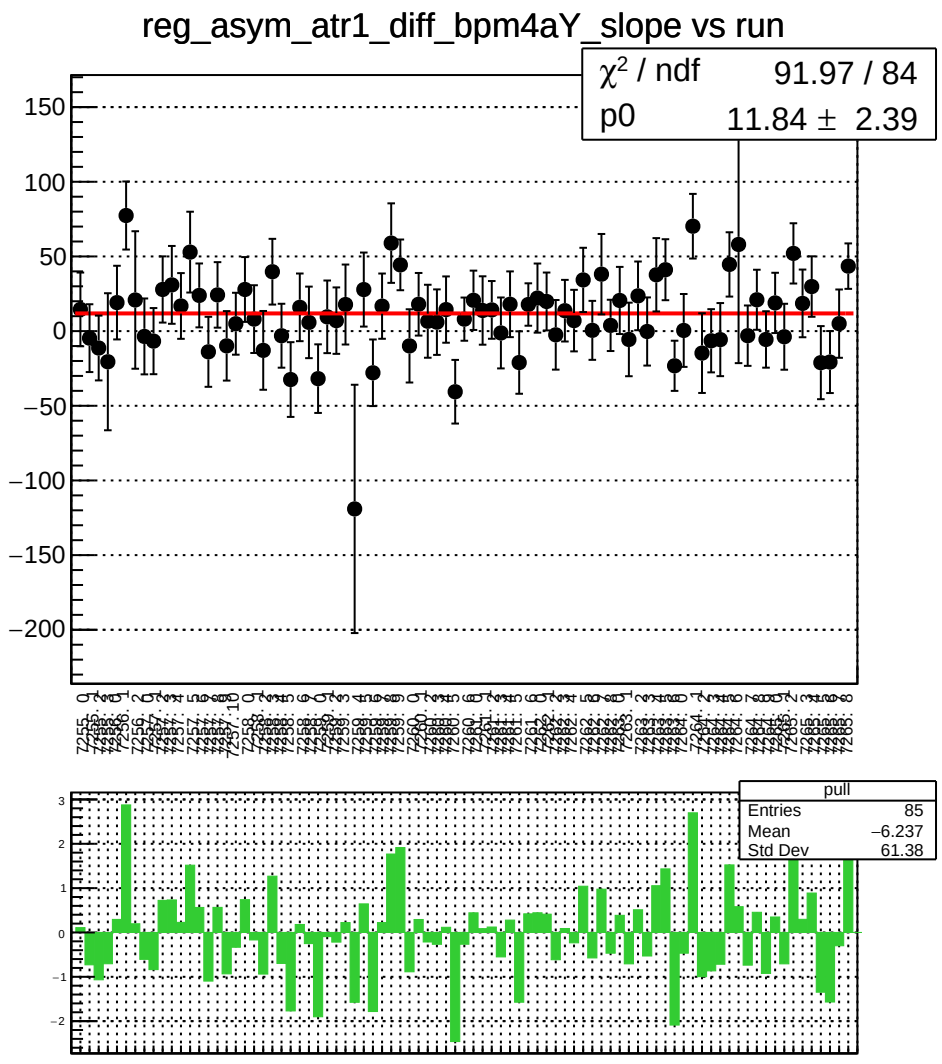

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 20.37 / 84
p0 125.2 ± 7.667
pull
Entries 85
Mean −709.6
Std Dev 748.6

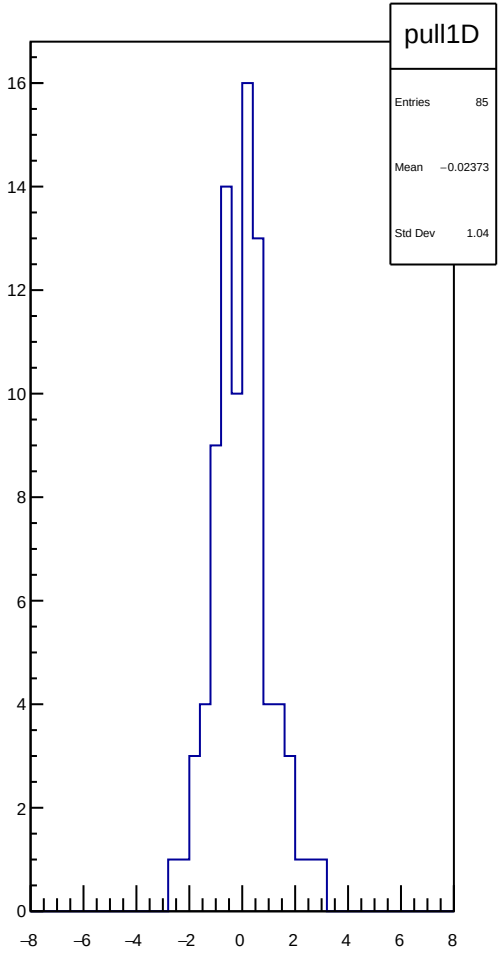

pull1D
Entries 85
Mean −0.008915
Std Dev 0.4894

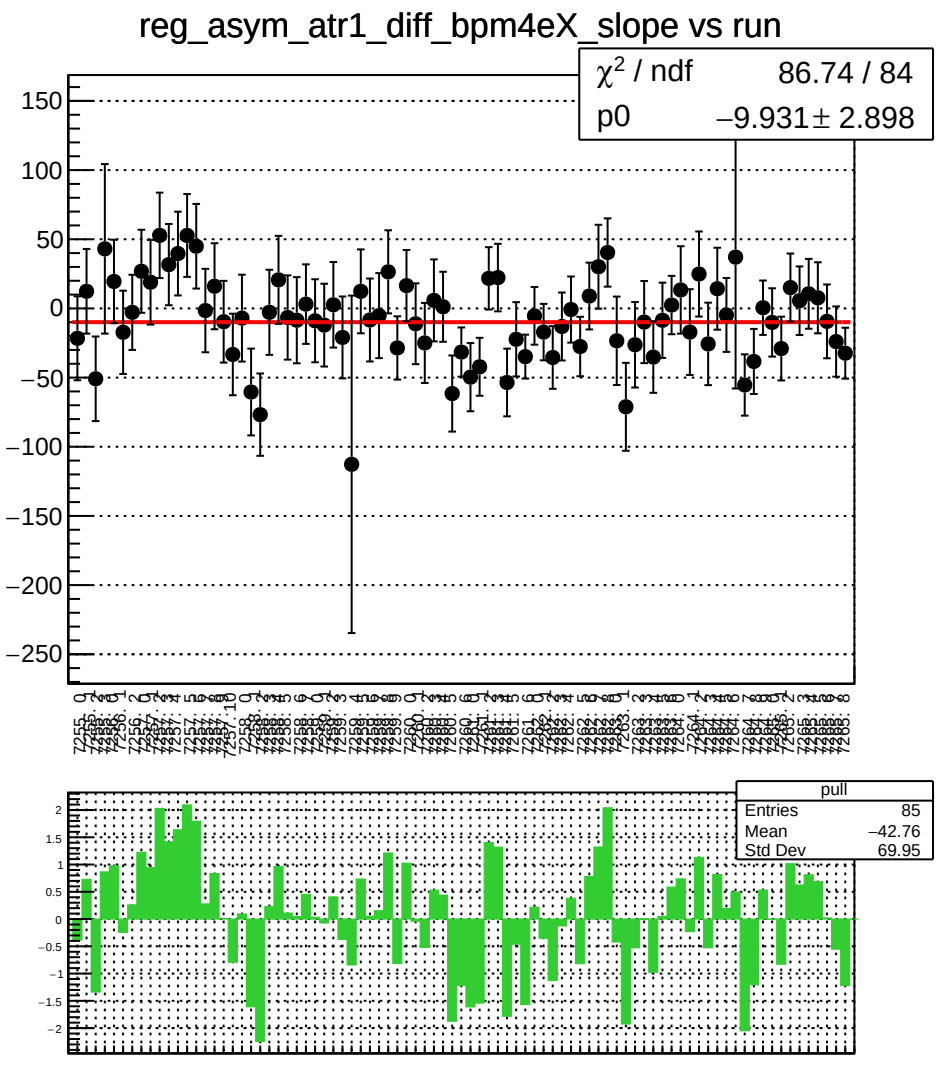

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 295.2 / 84
p0 −229 ± 0.325
pull
Entries 85
Mean −2999
Std Dev 3043
pull1D
Entries 85
Mean −0.01232
Std Dev 1.863

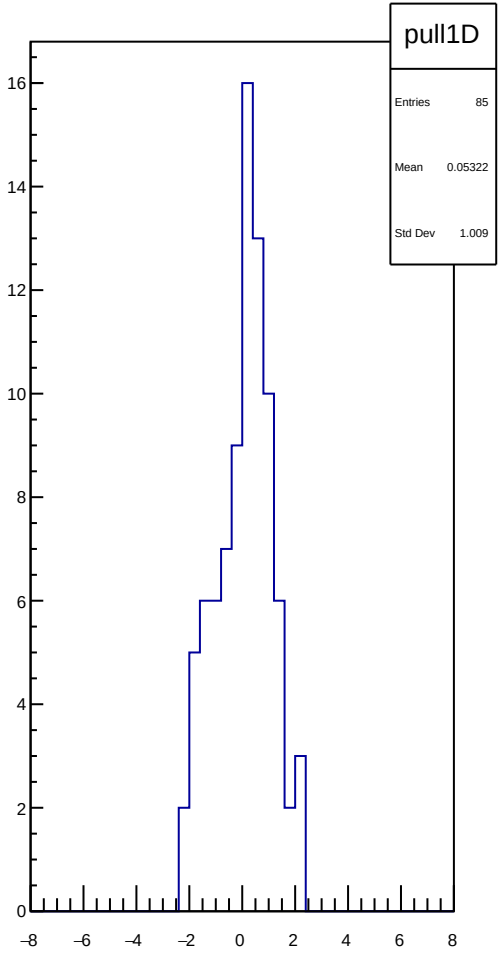

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 89.22 / 84
p0 −44.47 ± 2.672
pull
Entries 85
Mean −48.55
Std Dev 76.21

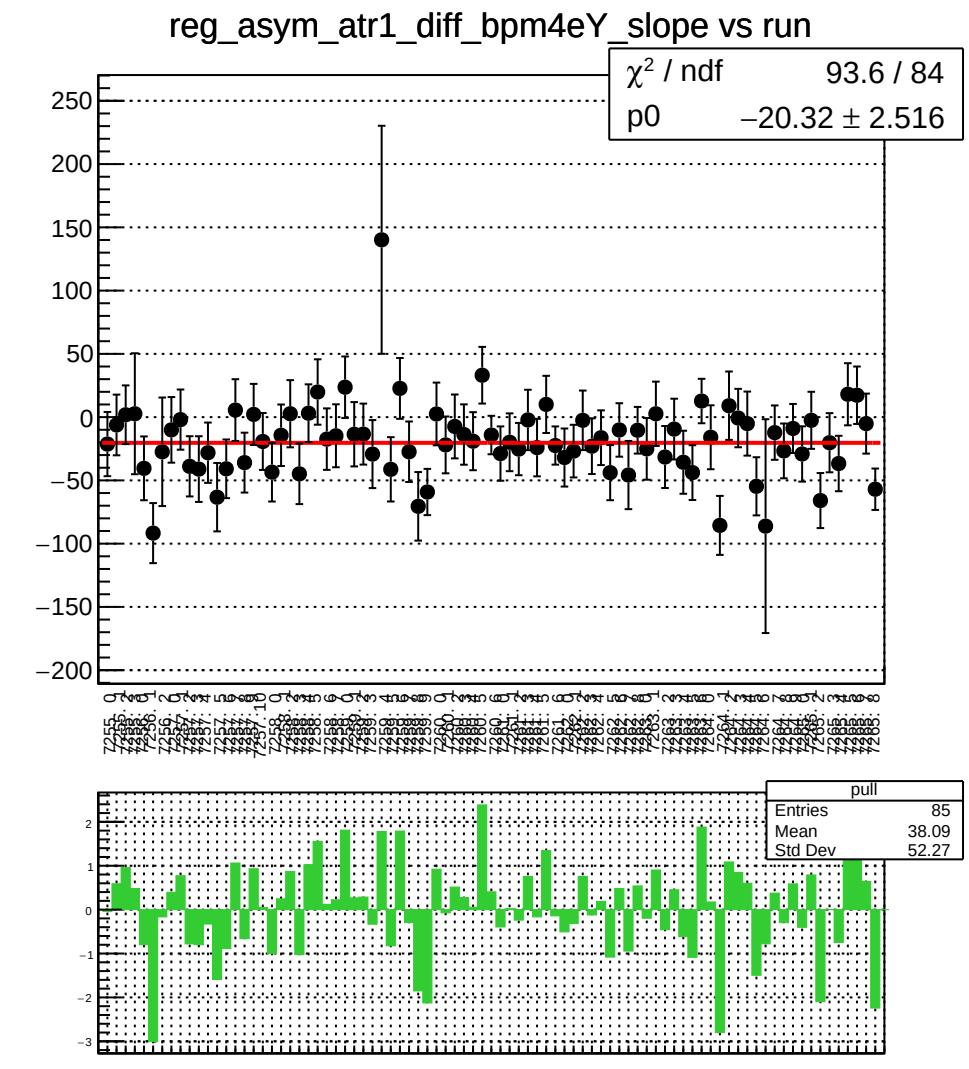

pull1D
Entries 85
Mean −0.05461
Std Dev 1.023

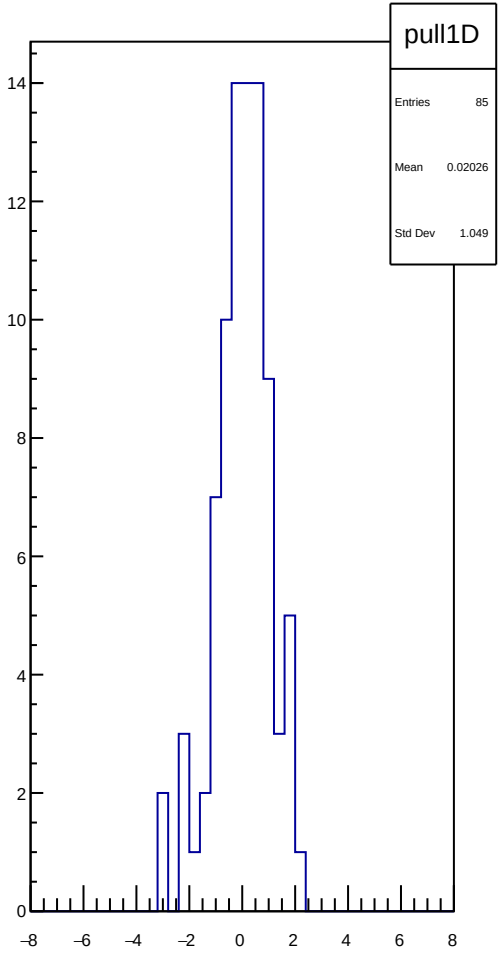

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 91.97 / 84
p0 11.84 ± 2.39
pull
Entries 85
Mean −6.237
Std Dev 61.38

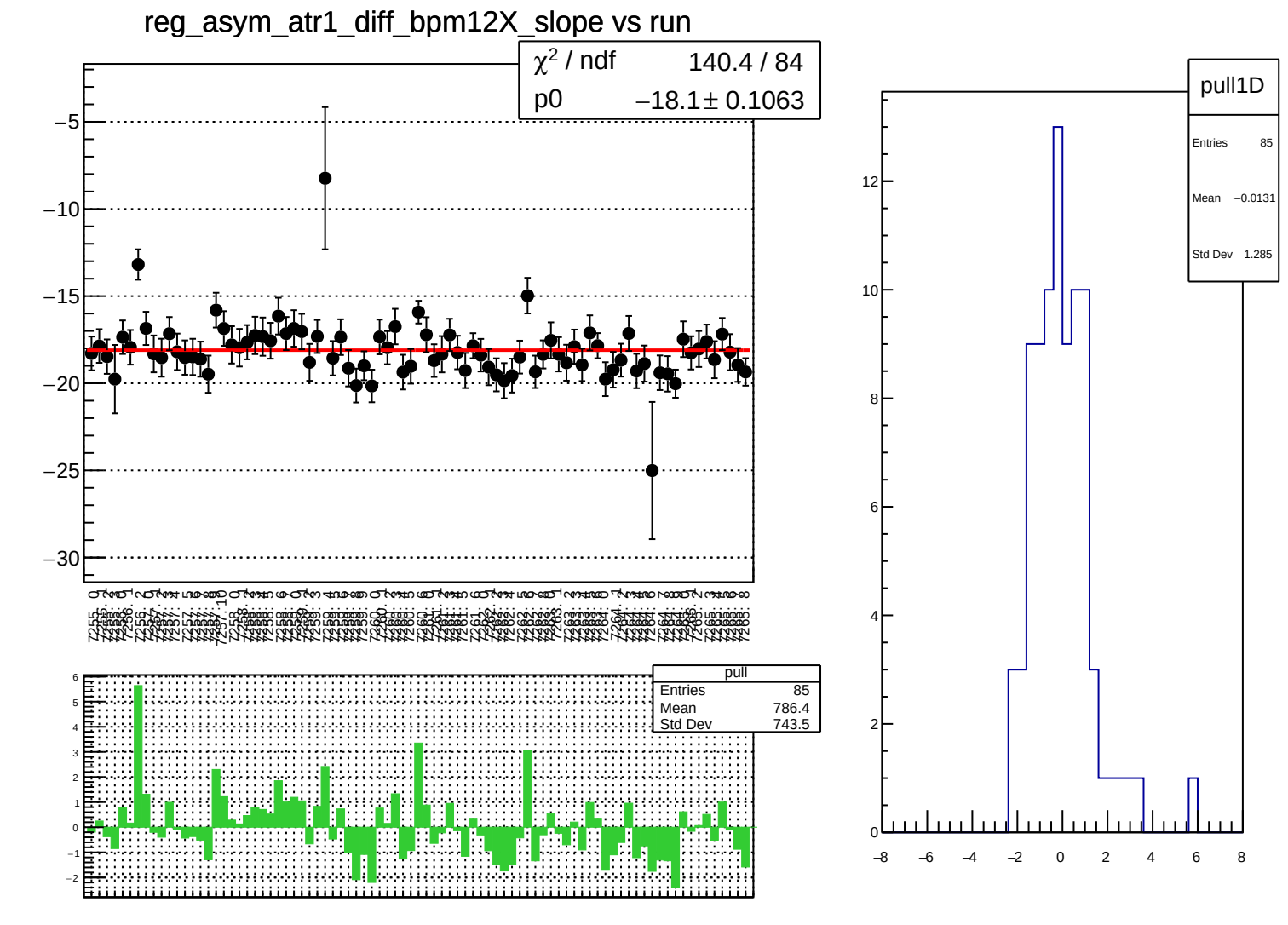

pull1D
Entries 85
Mean −0.02373
Std Dev 1.04

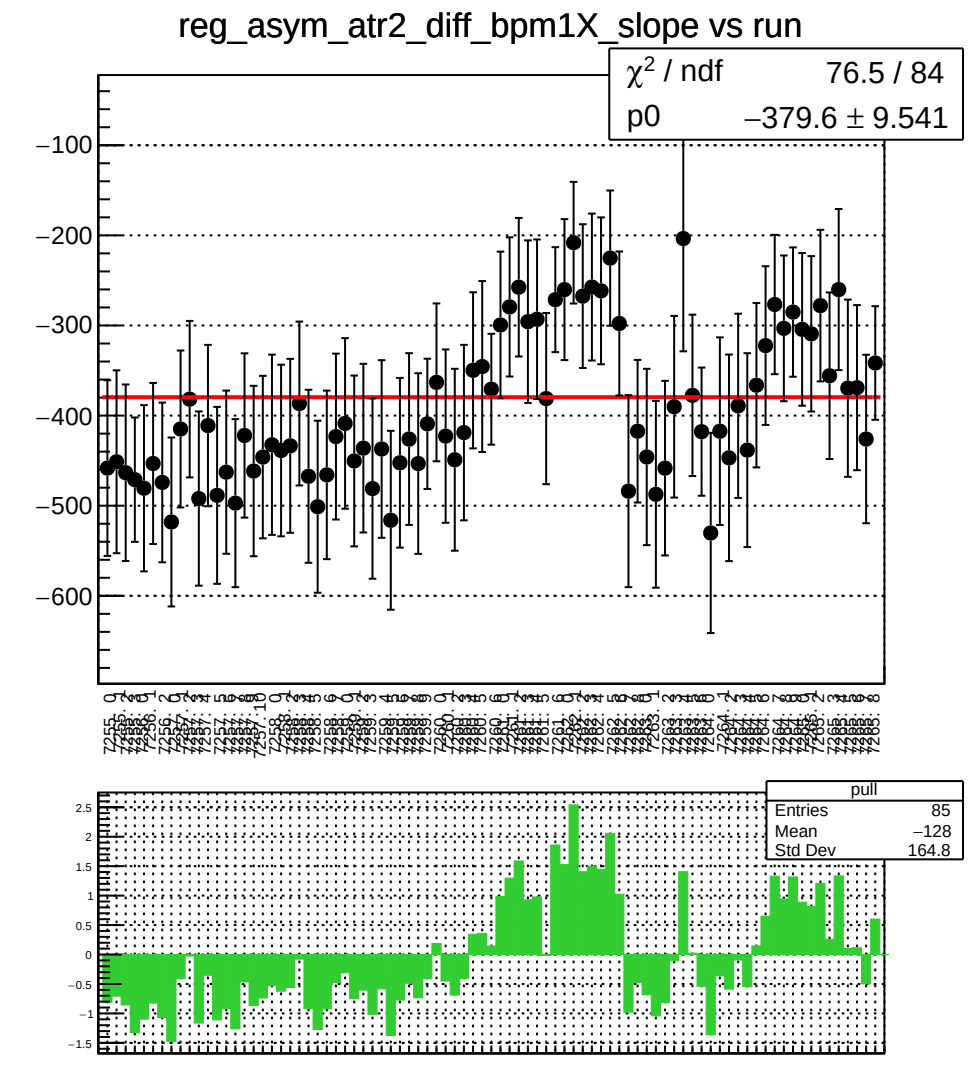

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 86.74 / 84
p0 −9.931 ± 2.898
pull
Entries 85
Mean −42.76
Std Dev 69.95

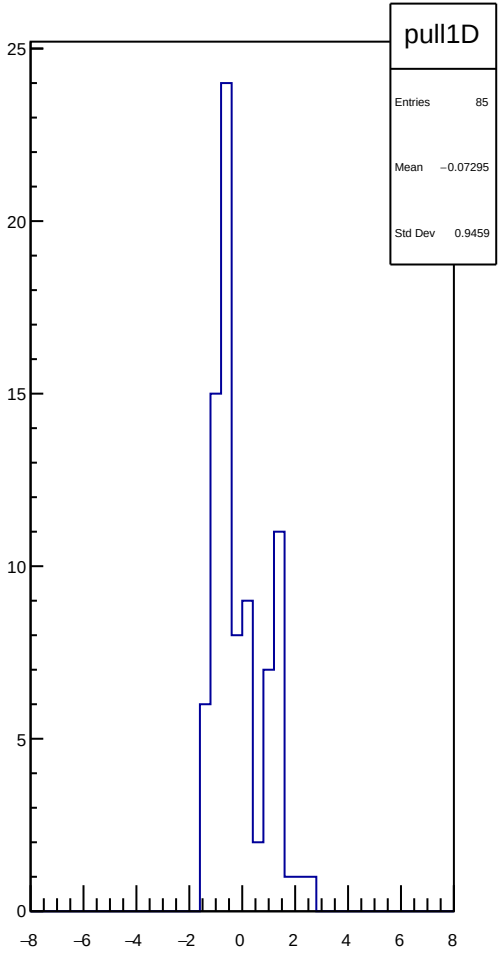

pull1D
Entries 85
Mean 0.05322
Std Dev 1.009

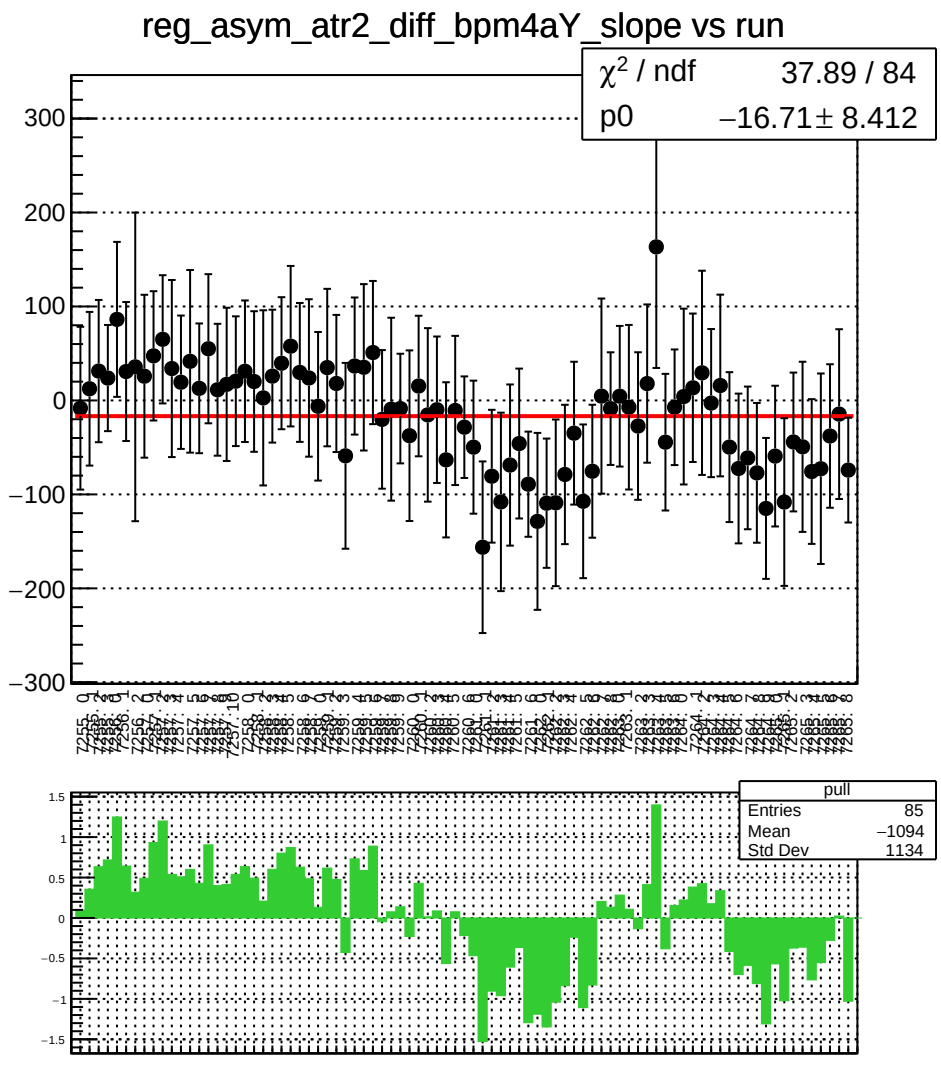

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 93.6 / 84
p0 −20.32 ± 2.516
pull
Entries 85
Mean 38.09
Std Dev 52.27

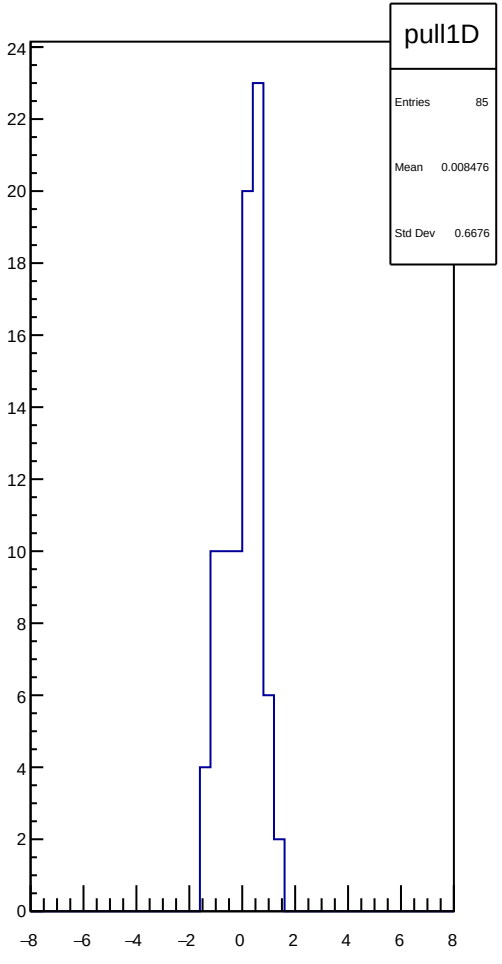

pull1D
Entries 85
Mean 0.02026
Std Dev 1.049

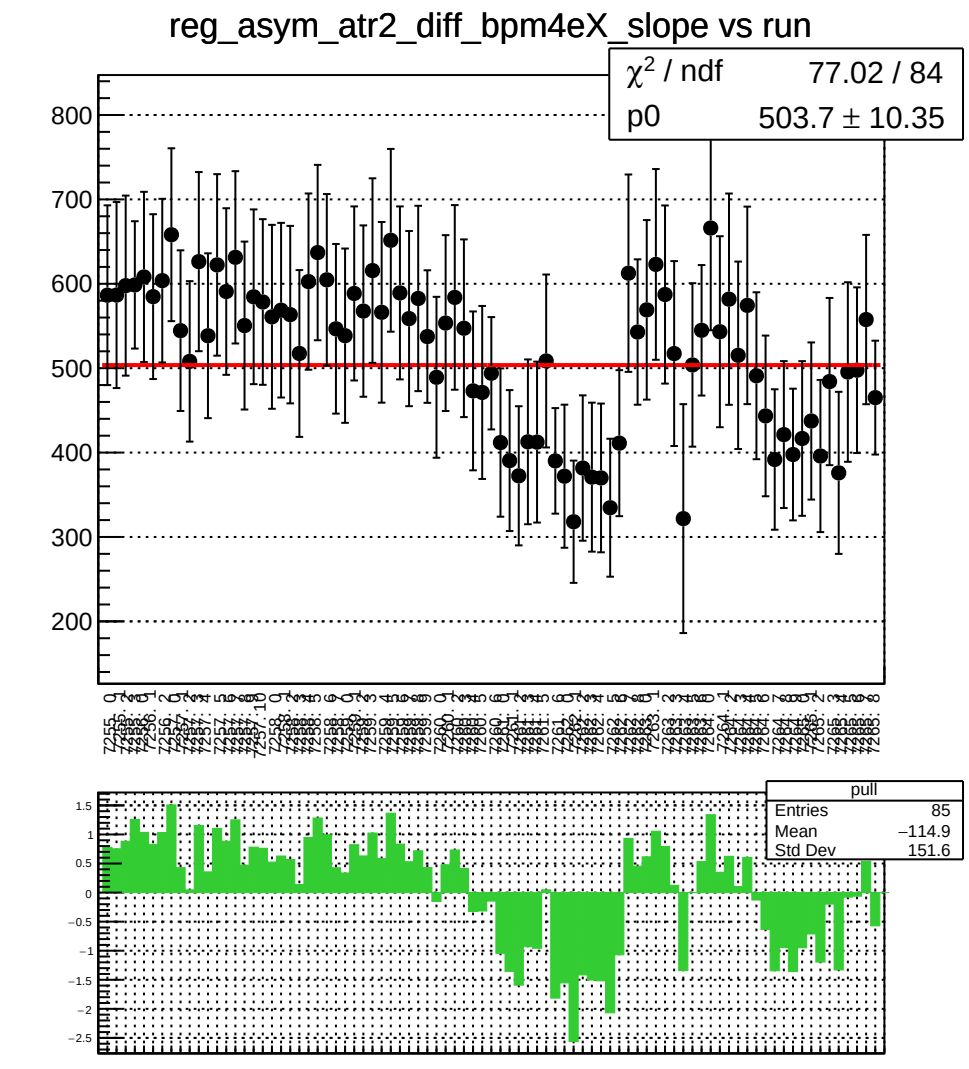

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 140.4 / 84
p0 −18.1 ± 0.1063
pull
Entries 85
Mean 786.4
Std Dev 743.5
pull1D
Entries 85
Mean −0.0131
Std Dev 1.285

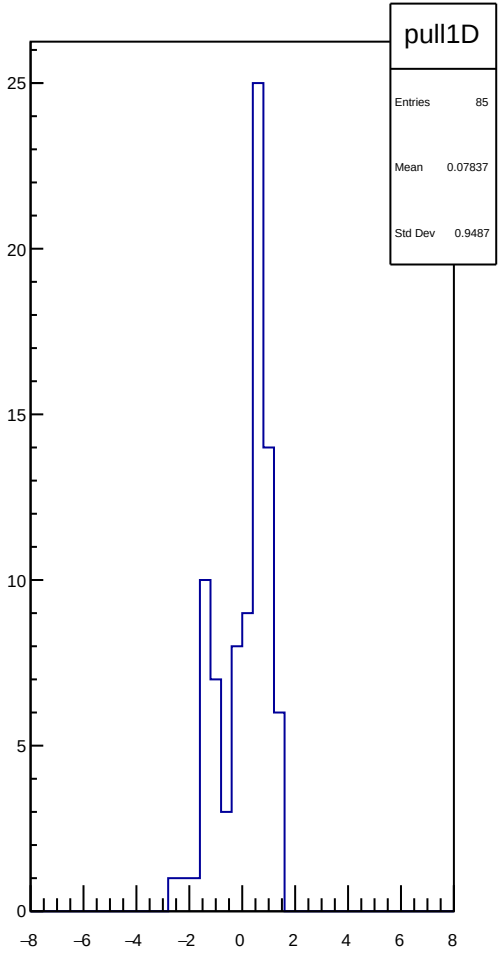

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 76.5 / 84
p0 −379.6 ± 9.541
pull
Entries 85
Mean −128
Std Dev 164.8

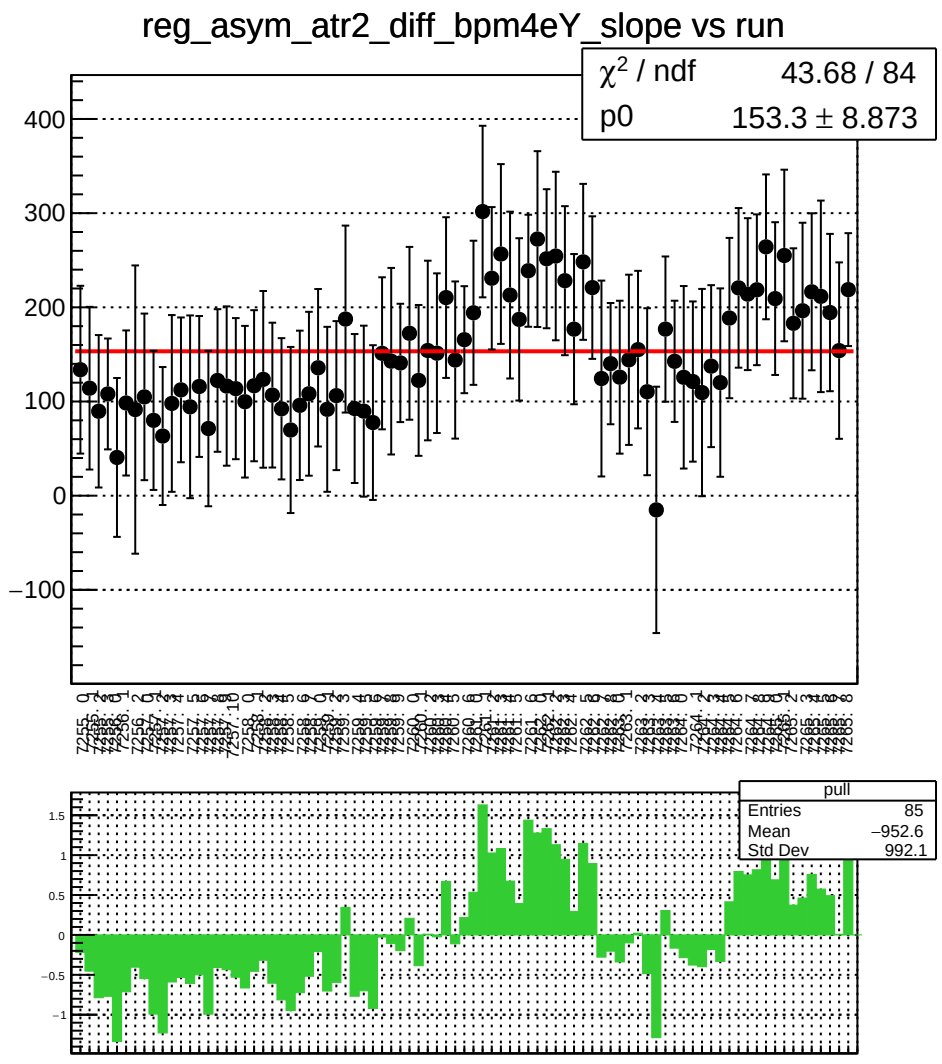

pull1D
Entries 85
Mean −0.07295
Std Dev 0.9459

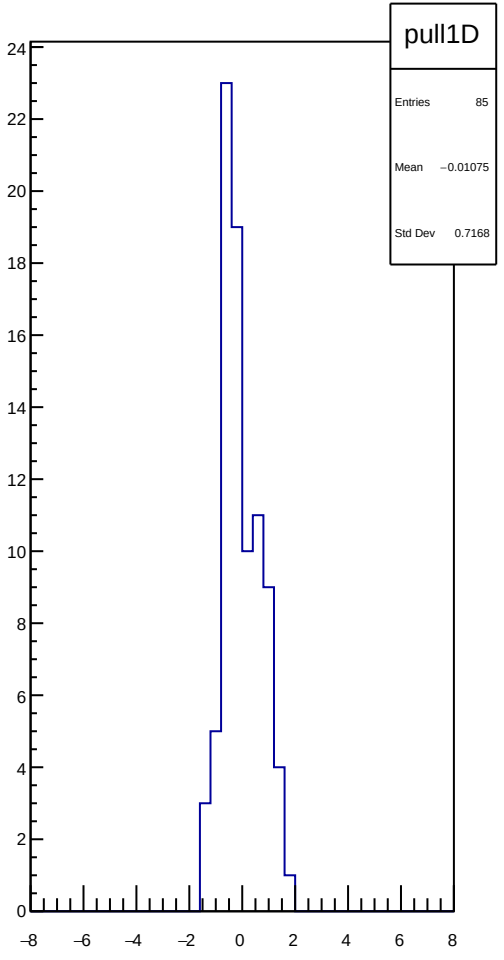

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 37.89 / 84
p0 −16.71 ± 8.412
pull
Entries 85
Mean −1094
Std Dev 1134

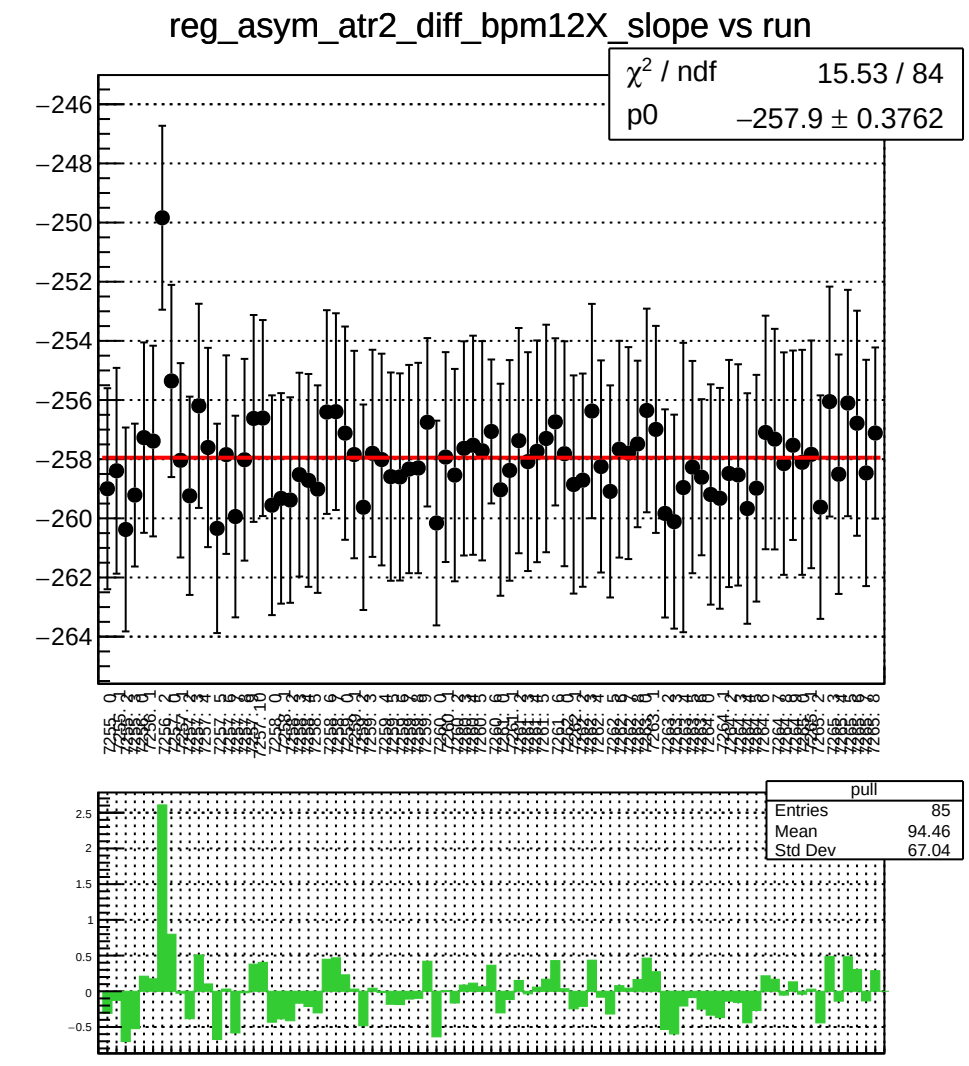

pull1D
Entries 85
Mean 0.008476
Std Dev 0.6676

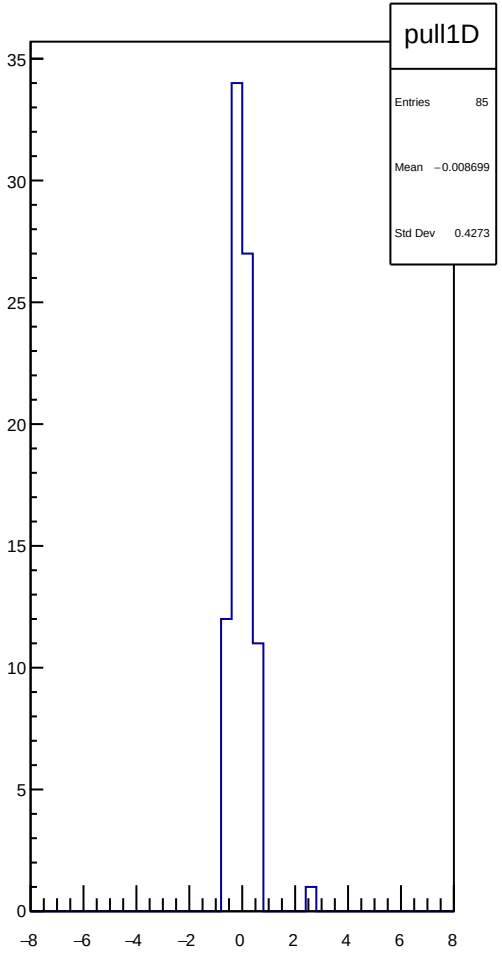

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 77.02 / 84
p0 503.7 ± 10.35
800
700
600
500
400
300
200
pull
Entries 85
Mean −114.9
Std Dev 151.6
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

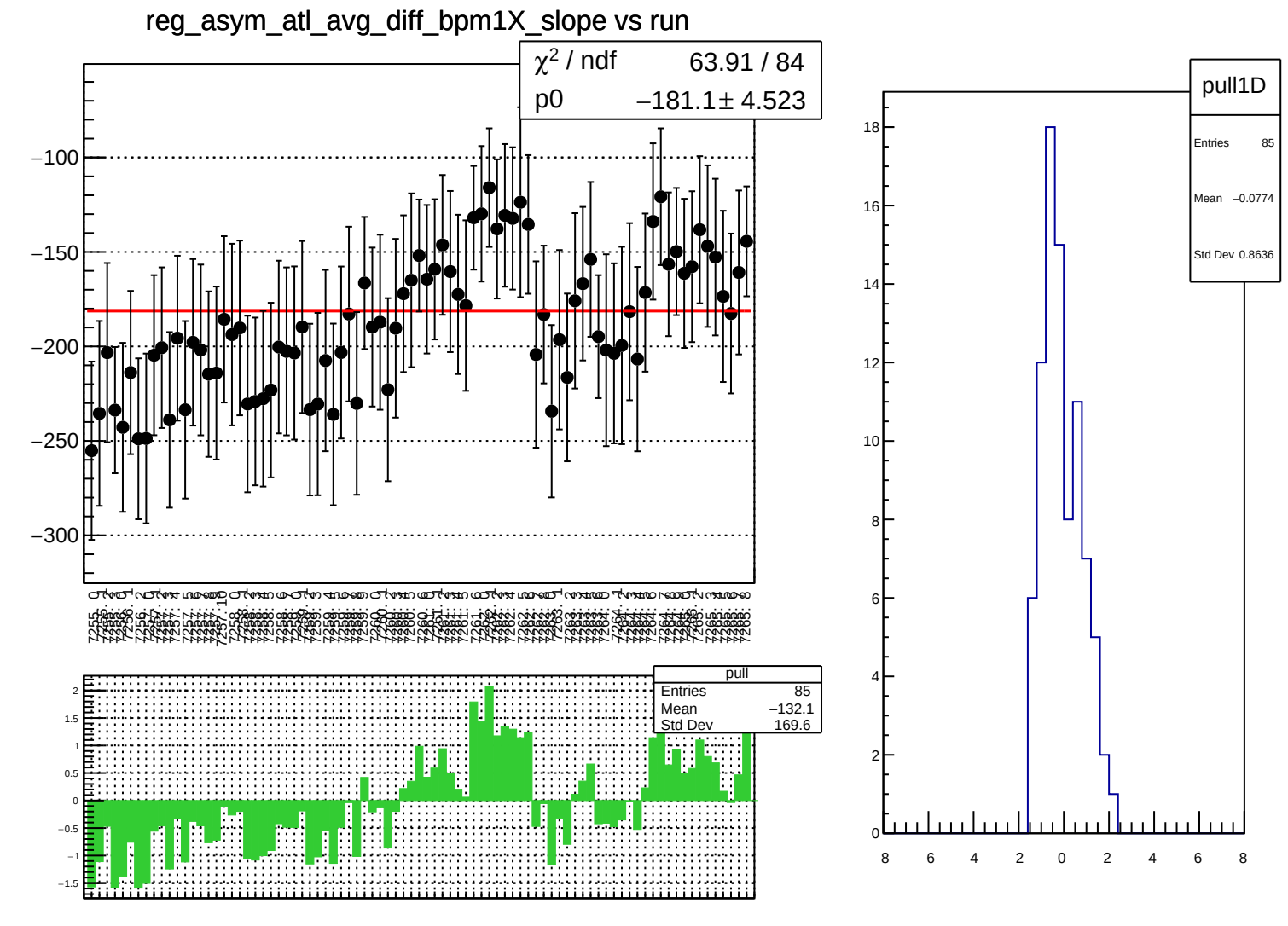

pull1D
Entries 85
Mean 0.07837
Std Dev 0.9487
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

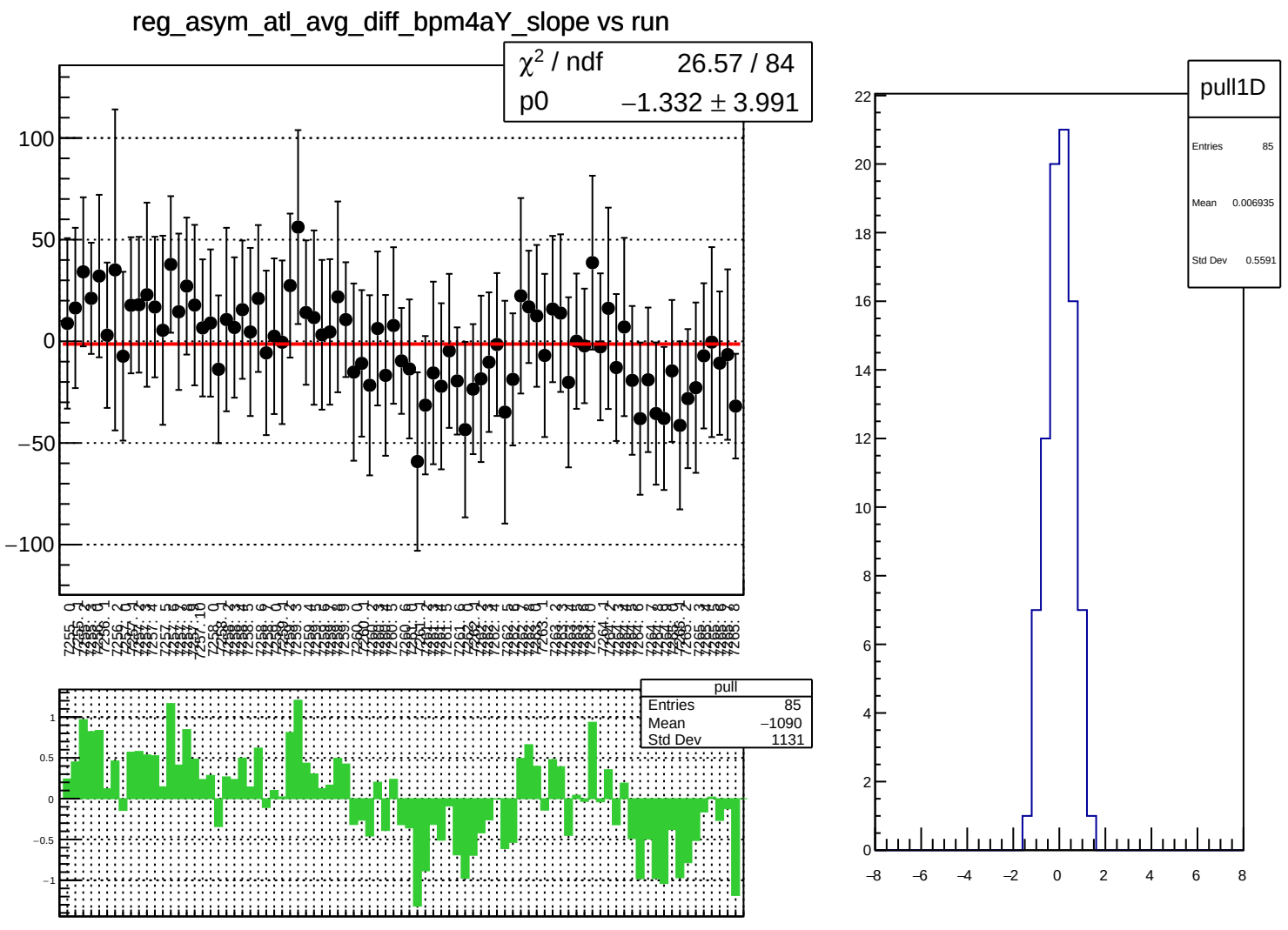

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 43.68 / 84
p0 153.3 ± 8.873
pull
Entries 85
Mean −952.6
Std Dev 992.1

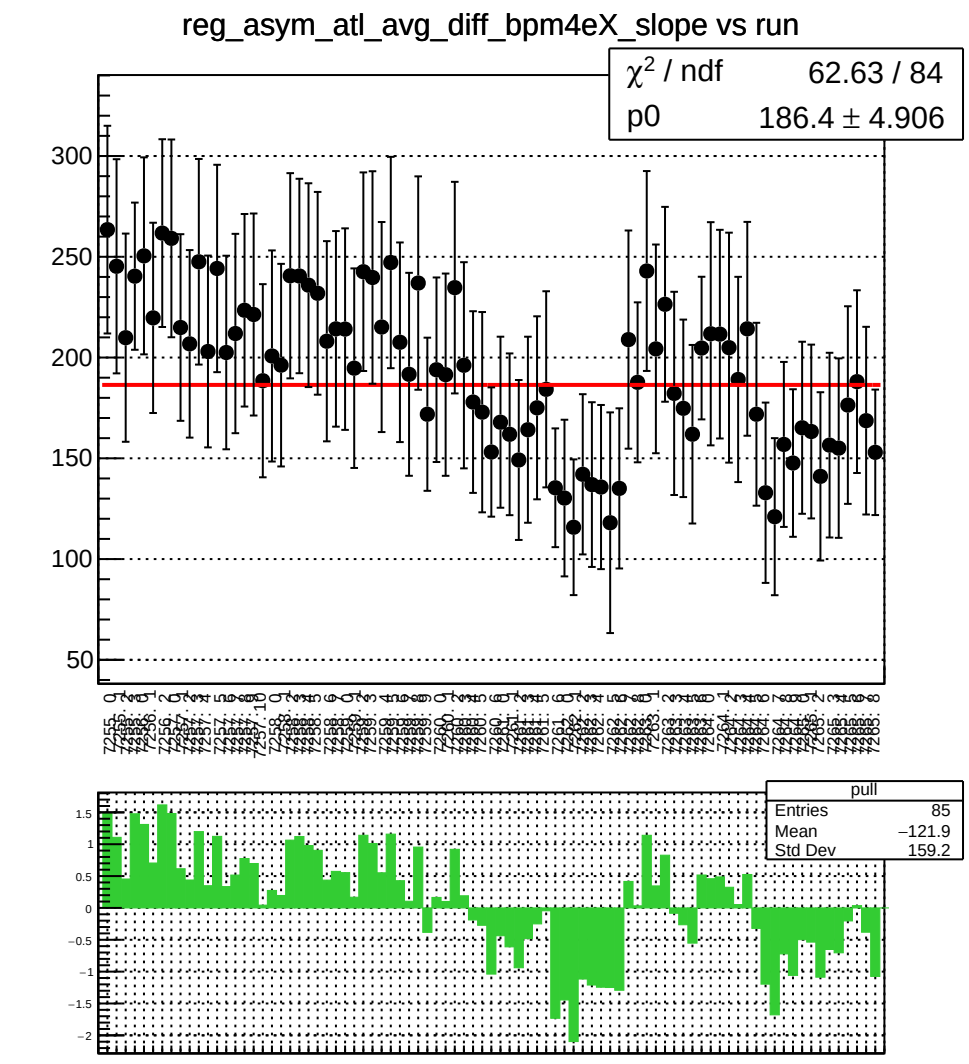

pull1D
Entries 85
Mean −0.01075
Std Dev 0.7168

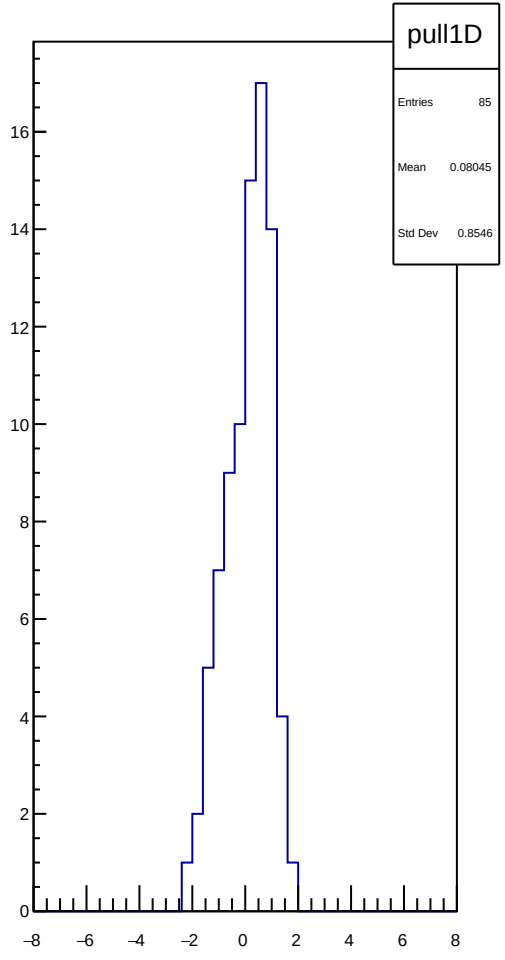

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 15.53 / 84
p0 −257.9 ± 0.3762
pull
Entries 85
Mean 94.46
Std Dev 67.04

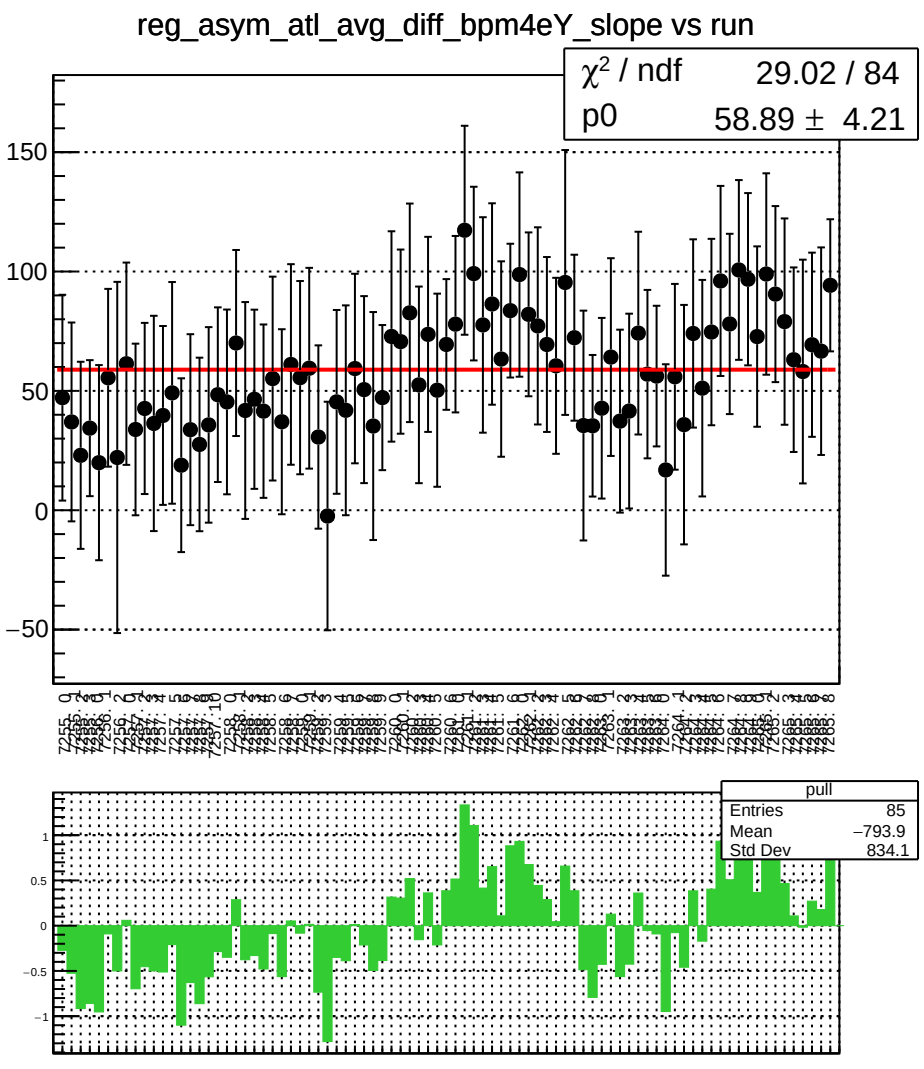

pull1D
Entries 85
Mean −0.008699
Std Dev 0.4273

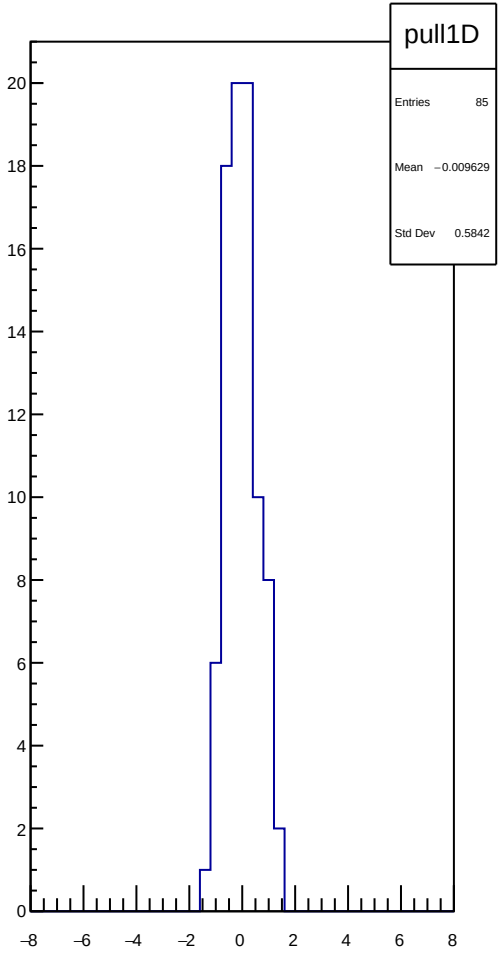

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 63.91 / 84
p0 −181.1 ± 4.523
pull
Entries 85
Mean −132.1
Std Dev 169.6
pull1D
Entries 85
Mean −0.0774
Std Dev 0.8636

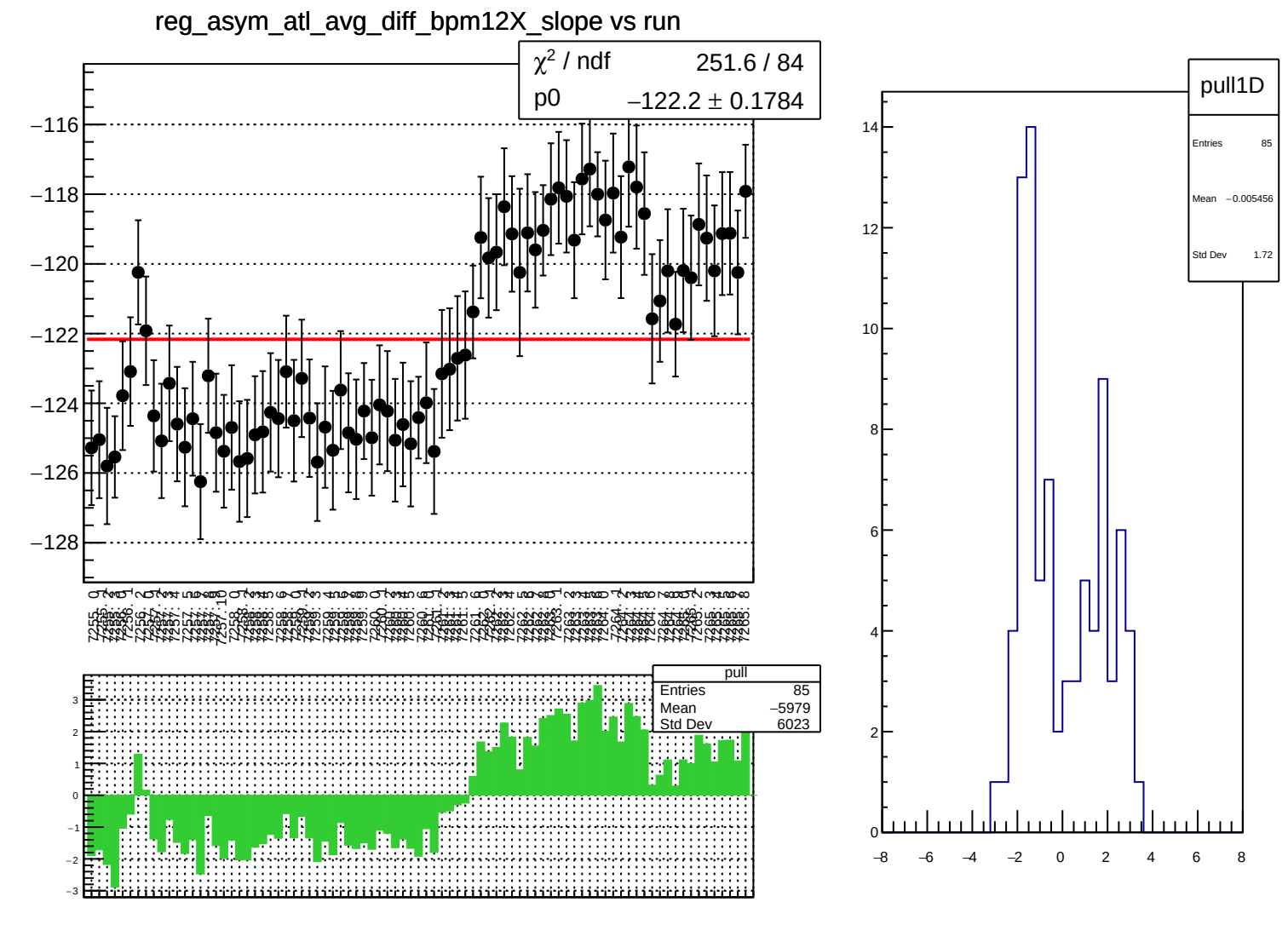

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.57 / 84
p0 −1.332 ± 3.991
pull
Entries 85
Mean −1090
Std Dev 1131
pull1D
Entries 85
Mean 0.006935
Std Dev 0.5591

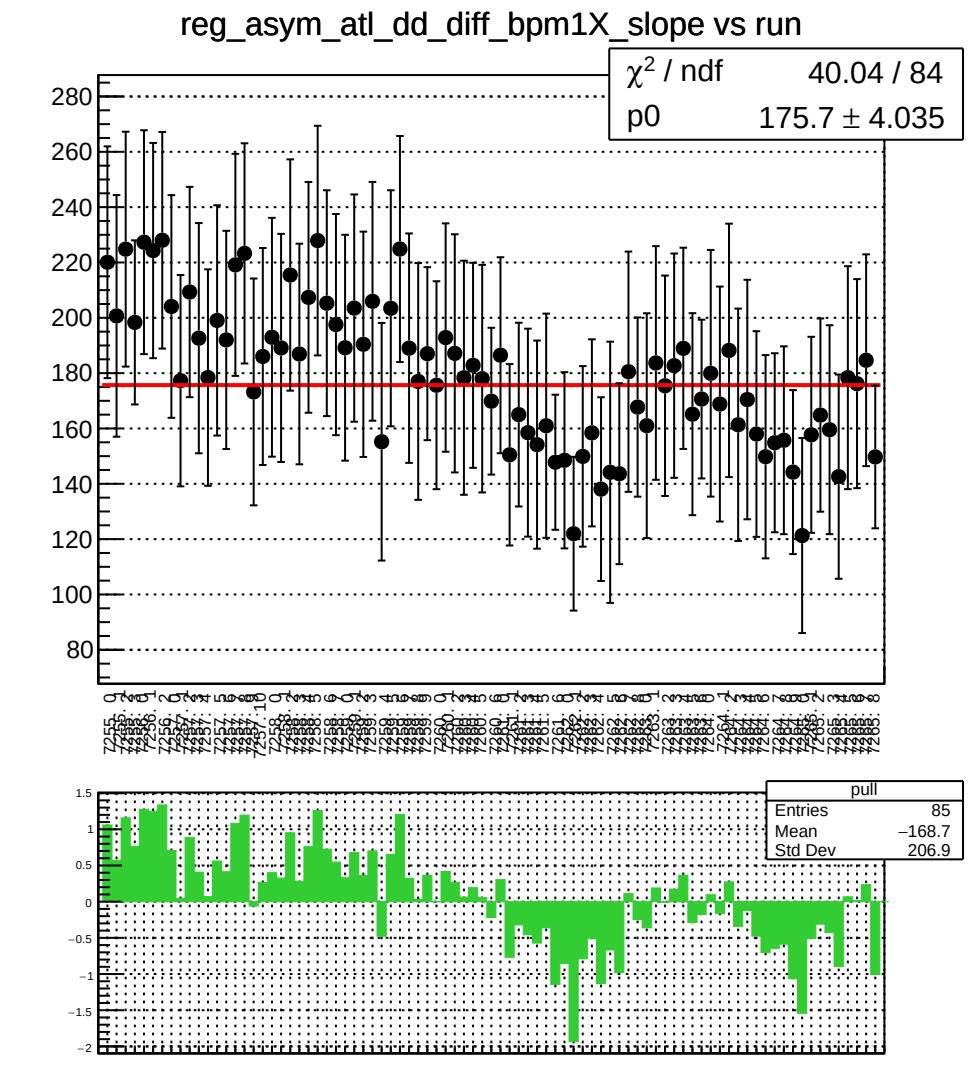

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.63 / 84
p0 186.4 ± 4.906
300
250
200
150
100
50
pull
Entries 85
Mean −121.9
Std Dev 159.2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

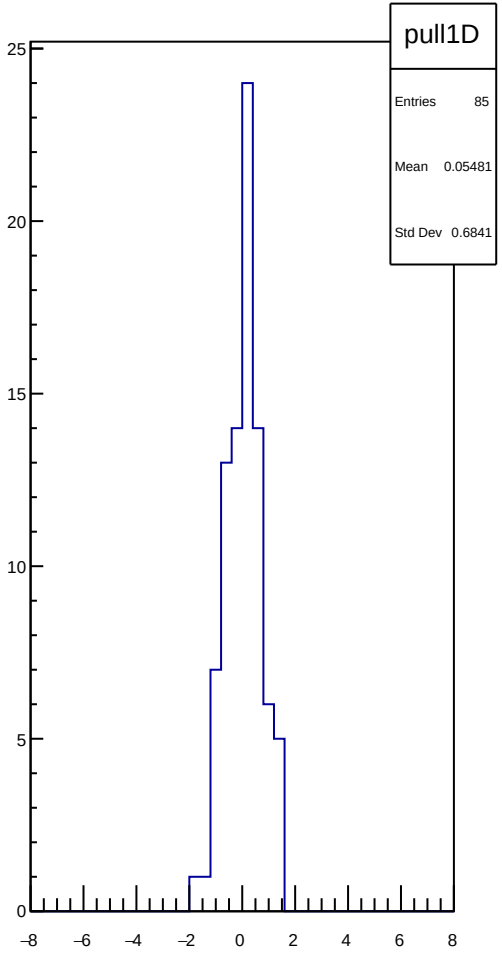

pull1D
Entries 85
Mean 0.08045
Std Dev 0.8546
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

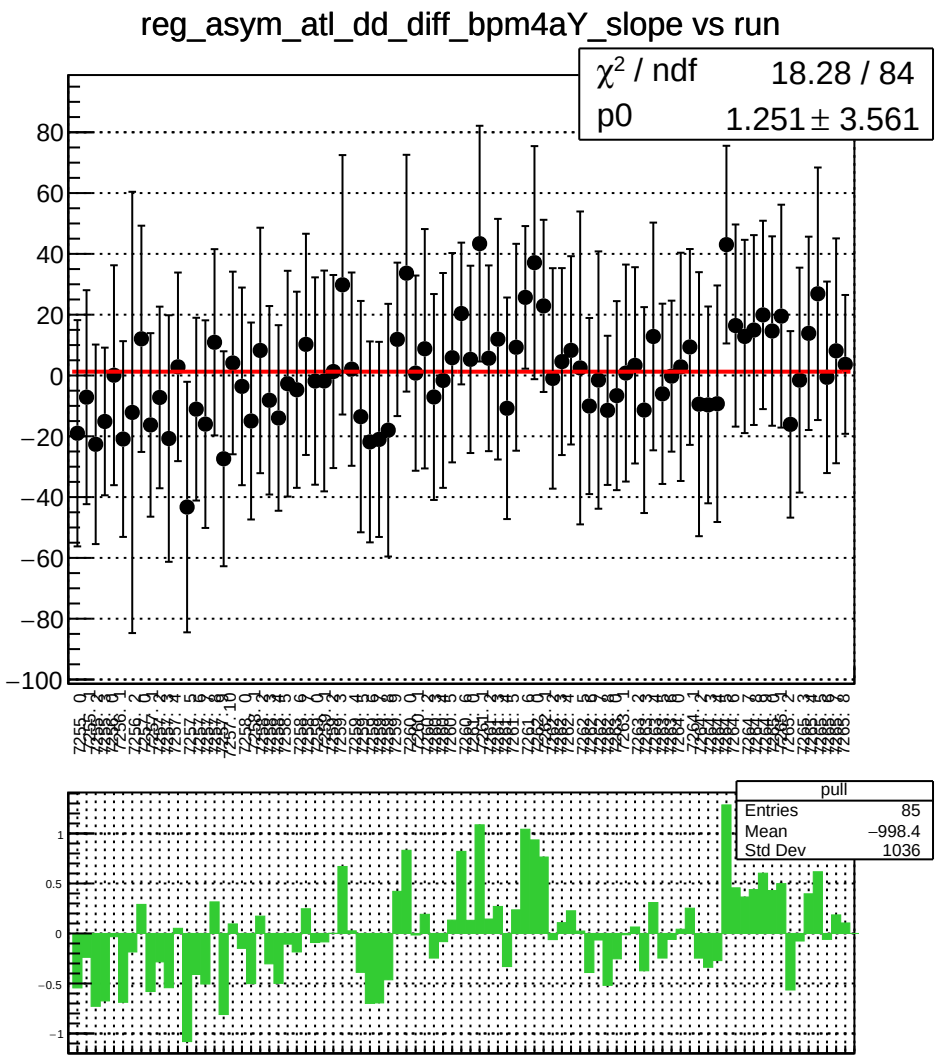

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.02 / 84
p0 58.89 ± 4.21
150
100
50
0
−50
pull
Entries 85
Mean −793.9
Std Dev 834.1
1
0.5
0
−0.5
−1

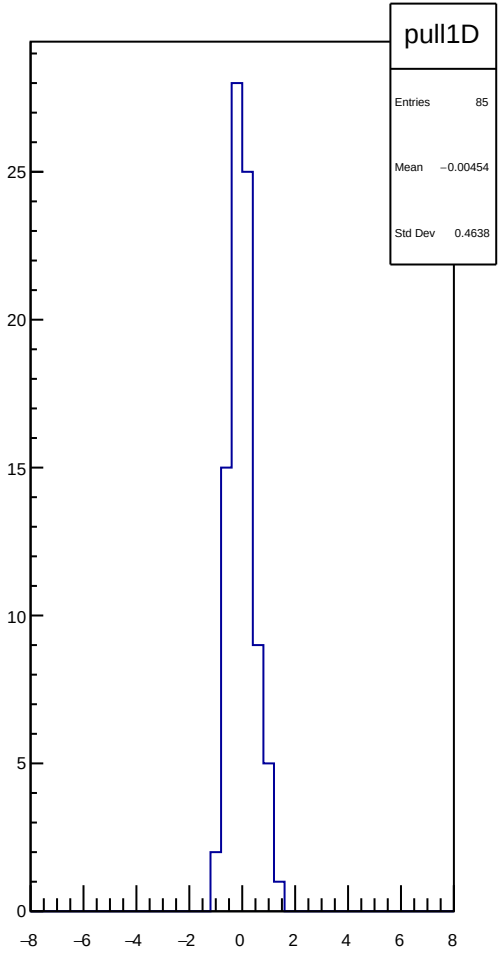

pull1D
Entries 85
Mean −0.009629
Std Dev 0.5842
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

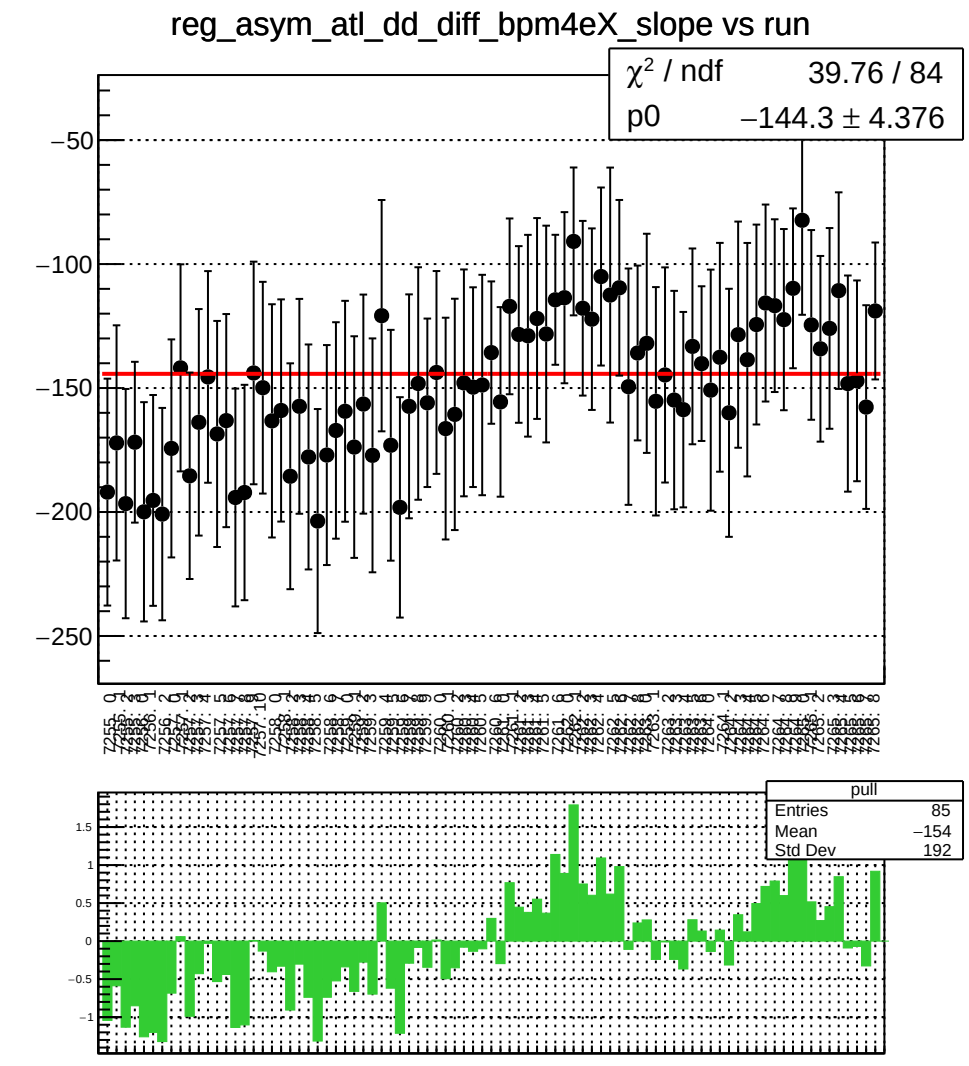

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 251.6 / 84
p0 −122.2 ± 0.1784
pull
Entries 85
Mean −5979
Std Dev 6023
pull1D
Entries 85
Mean −0.005456
Std Dev 1.72

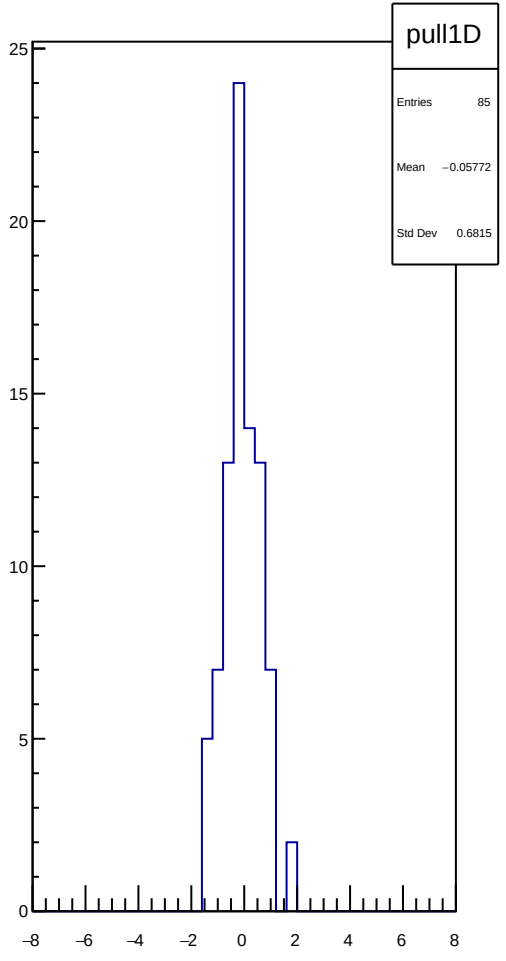

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 40.04 / 84
p0 175.7 ± 4.035
pull
Entries 85
Mean −168.7
Std Dev 206.9

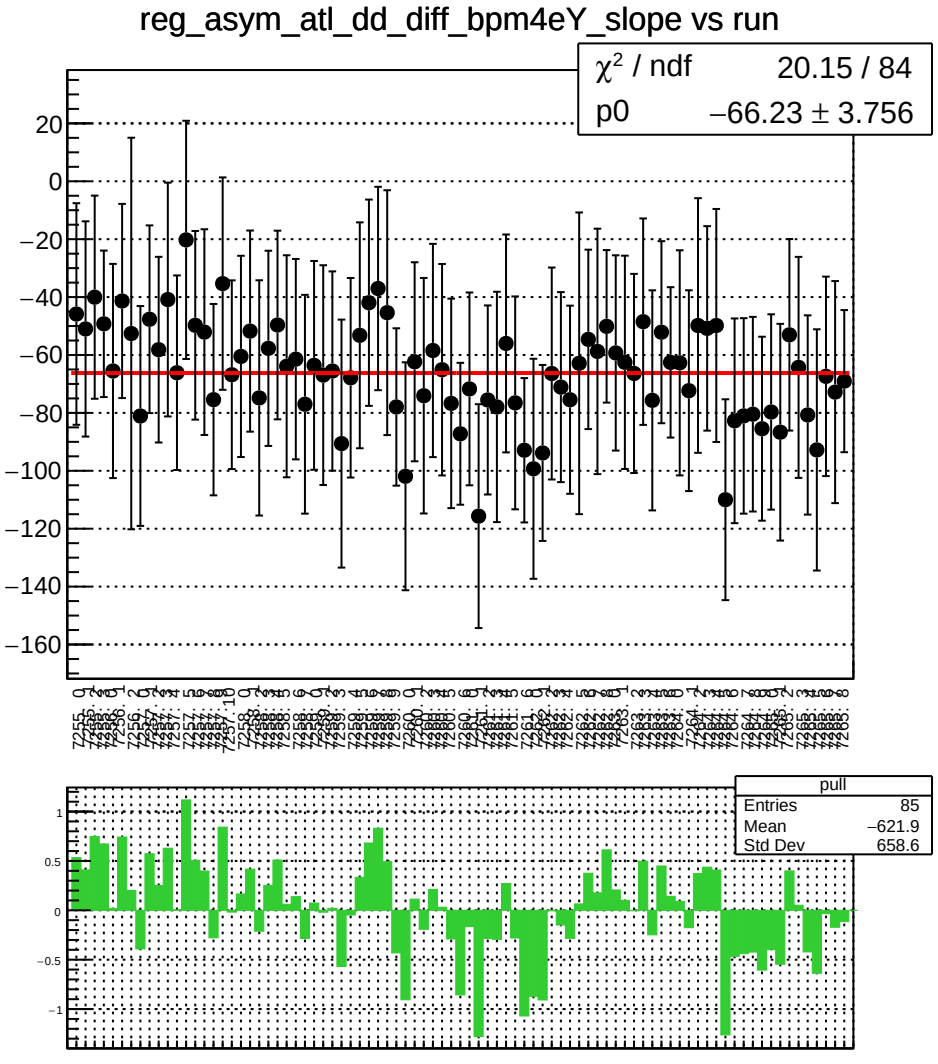

pull1D
Entries 85
Mean 0.05481
Std Dev 0.6841

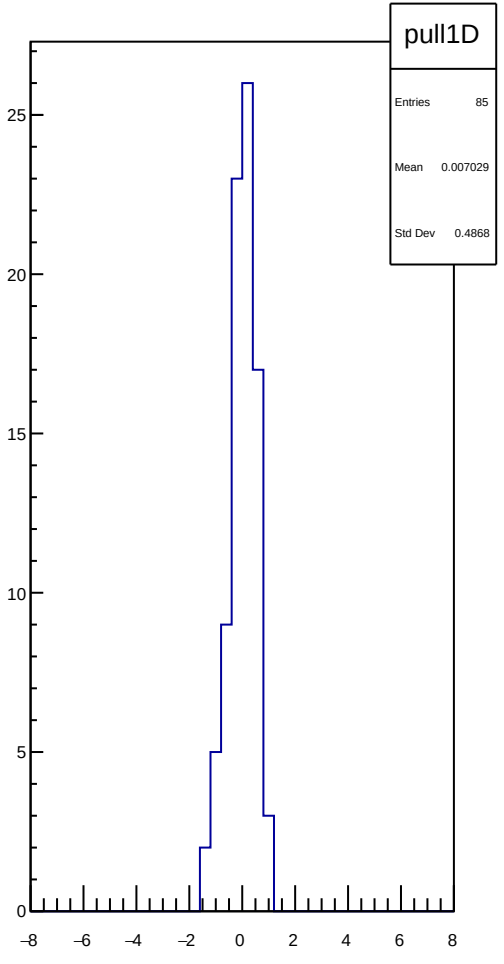

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.28 / 84
p0 1.251 ± 3.561
pull
Entries 85
Mean −998.4
Std Dev 1036

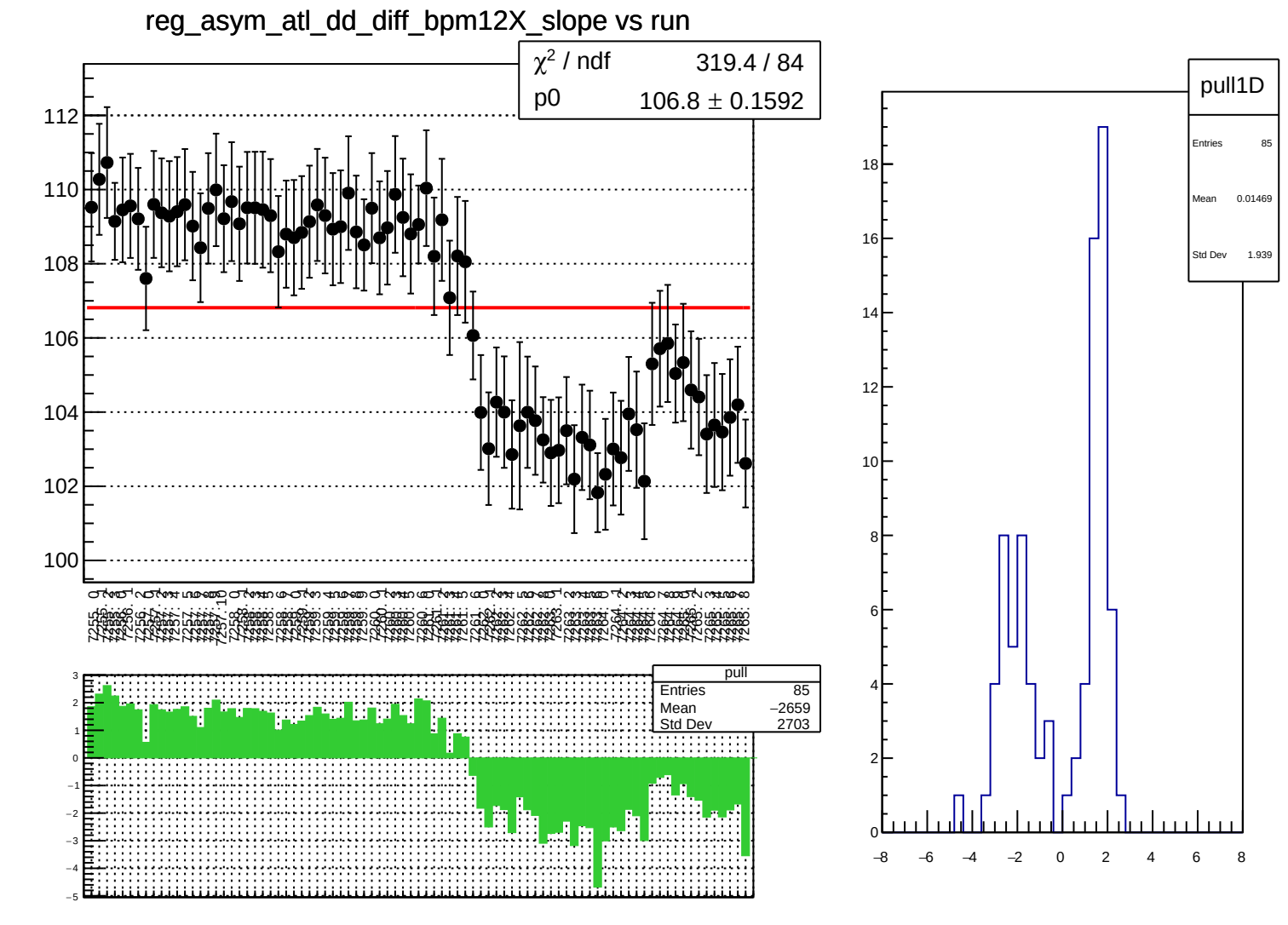

pull1D
Entries 85
Mean −0.00454
Std Dev 0.4638

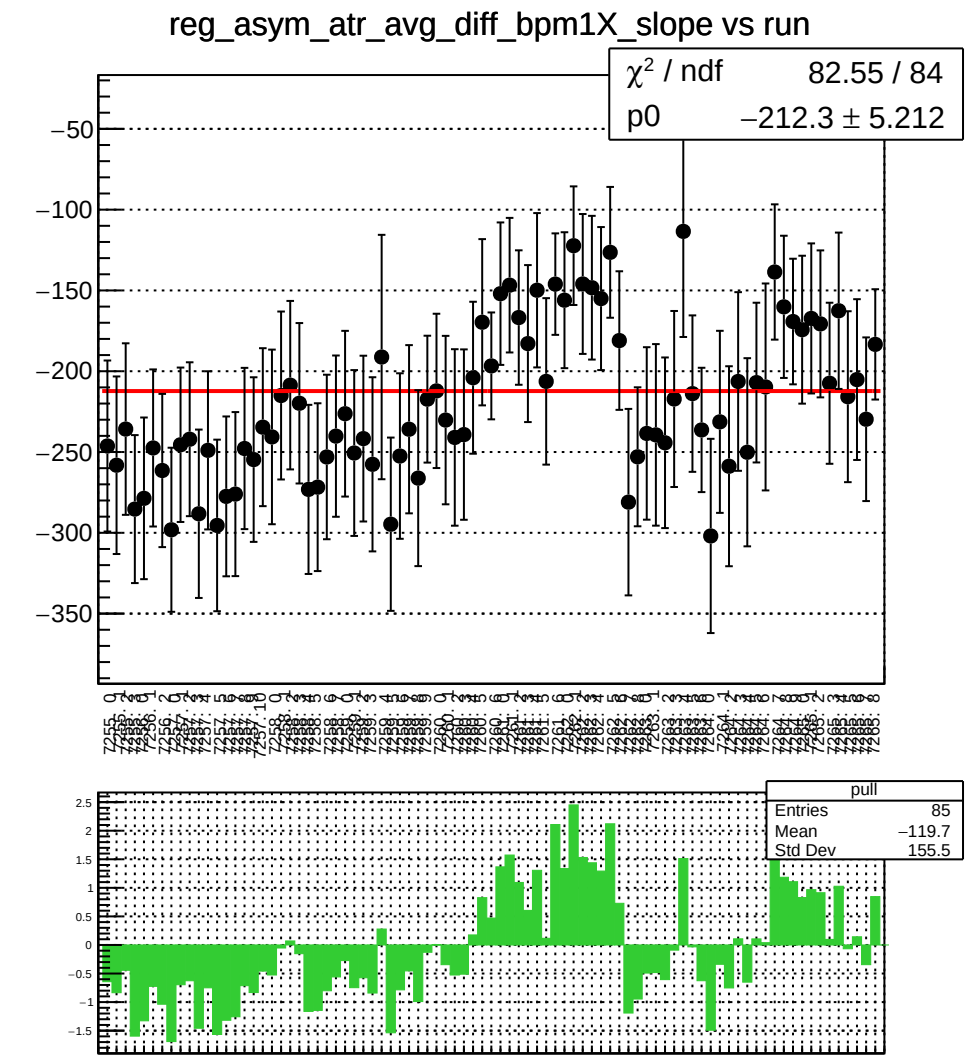

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.76 / 84
p0 −144.3 ± 4.376
−50
−100
−150
−200
−250
pull
Entries 85
Mean −154
Std Dev 192
1.5
1
0.5
0
−0.5
−1

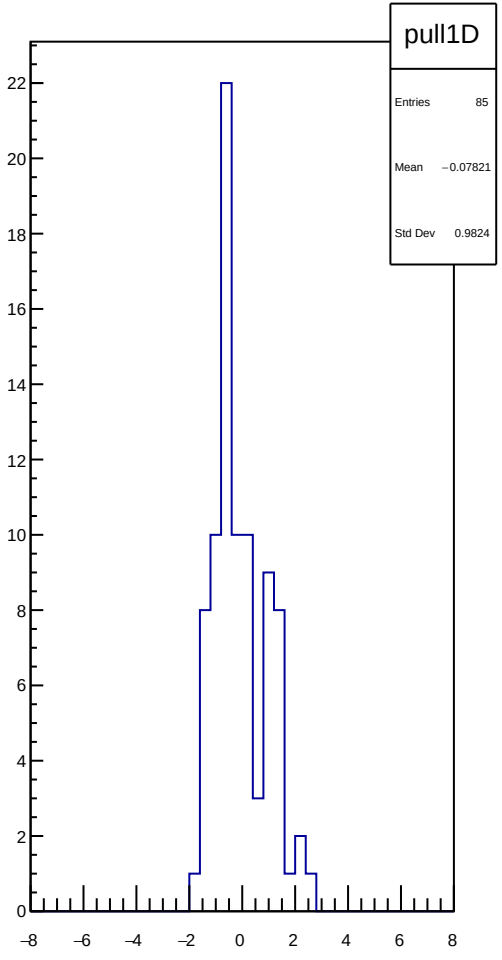

pull1D
Entries 85
Mean −0.05772
Std Dev 0.6815
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

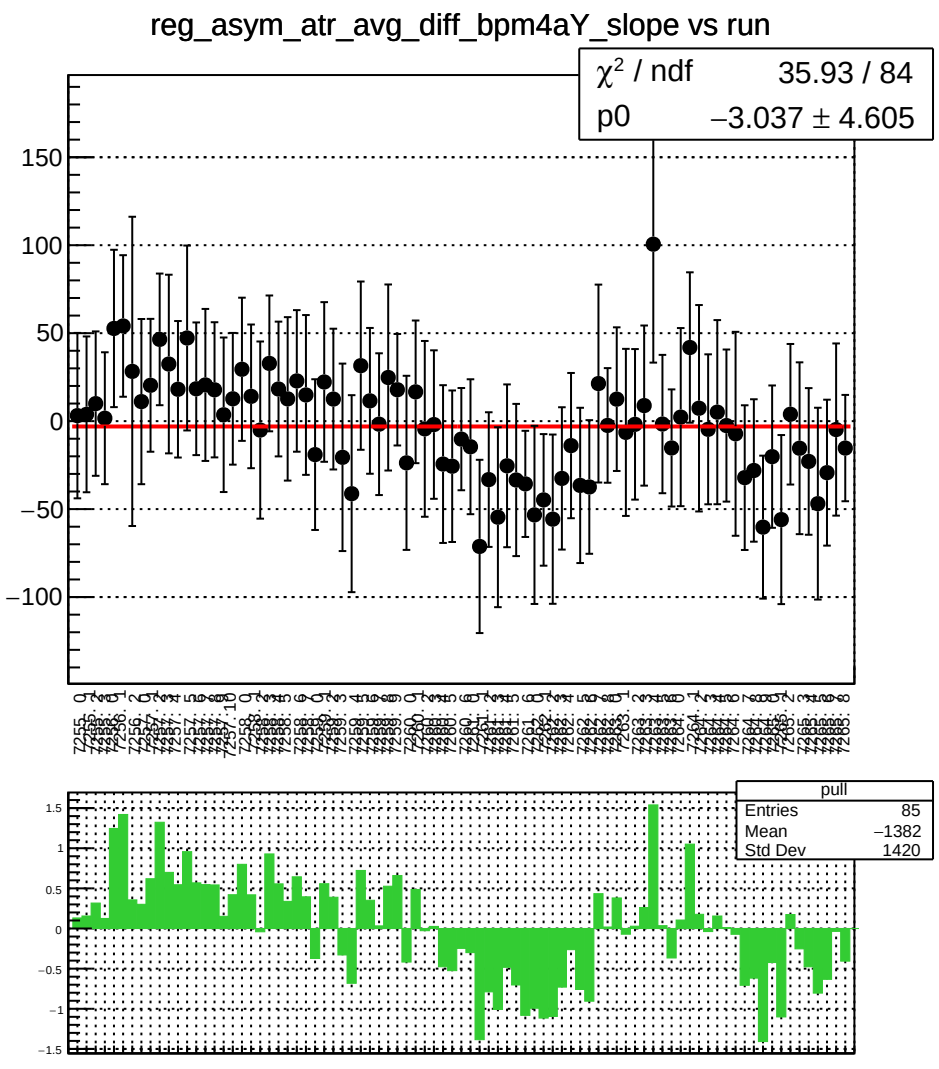

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.15 / 84
p0 −66.23 ± 3.756
pull
Entries 85
Mean −621.9
Std Dev 658.6

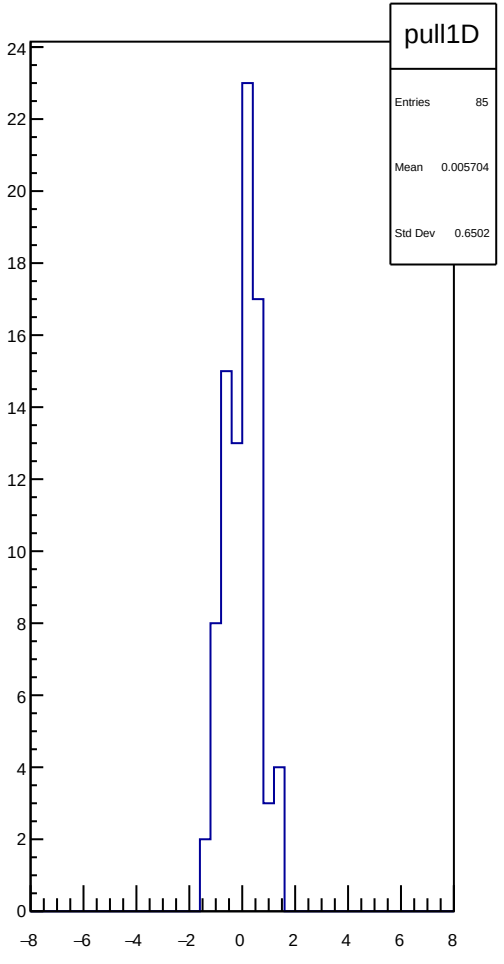

pull1D
Entries 85
Mean 0.007029
Std Dev 0.4868

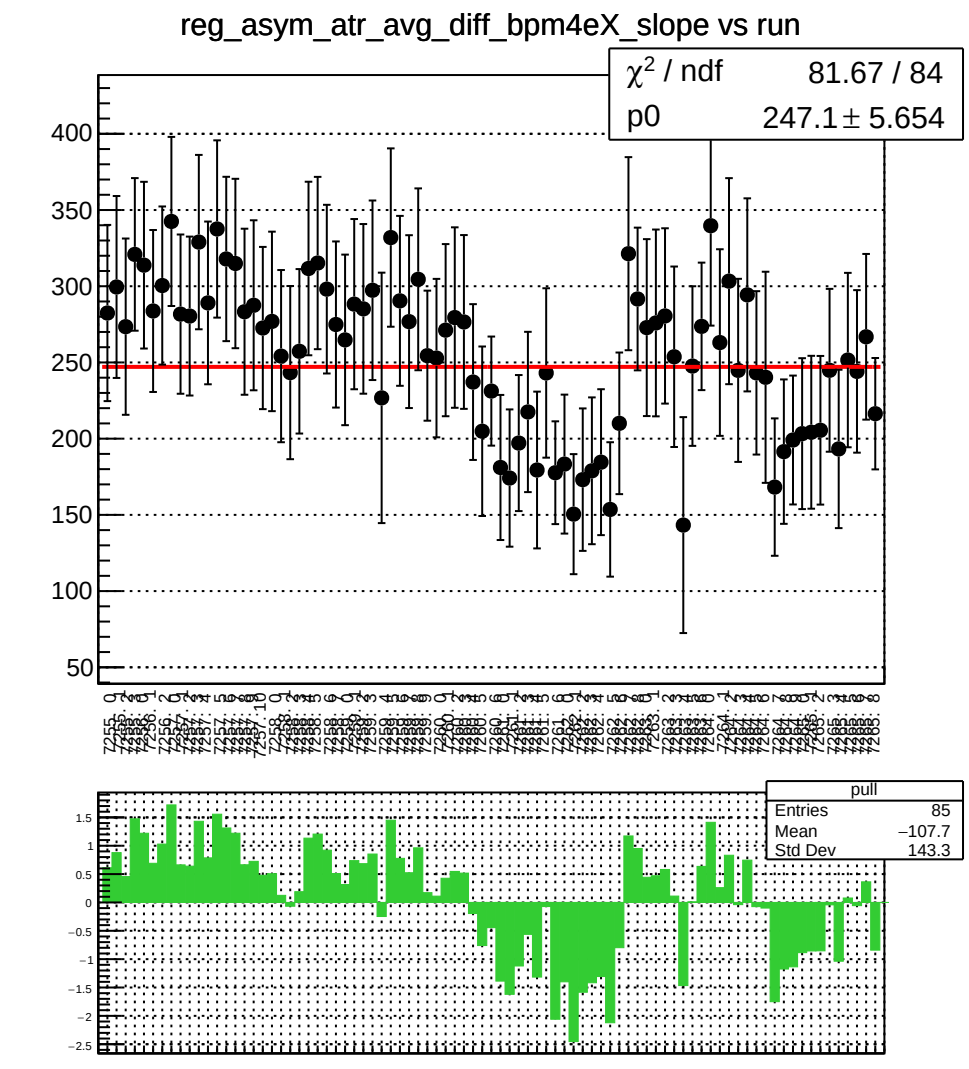

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 319.4 / 84
p0 106.8 ± 0.1592
pull
Entries 85
Mean −2659
Std Dev 2703
pull1D
Entries 85
Mean 0.01469
Std Dev 1.939

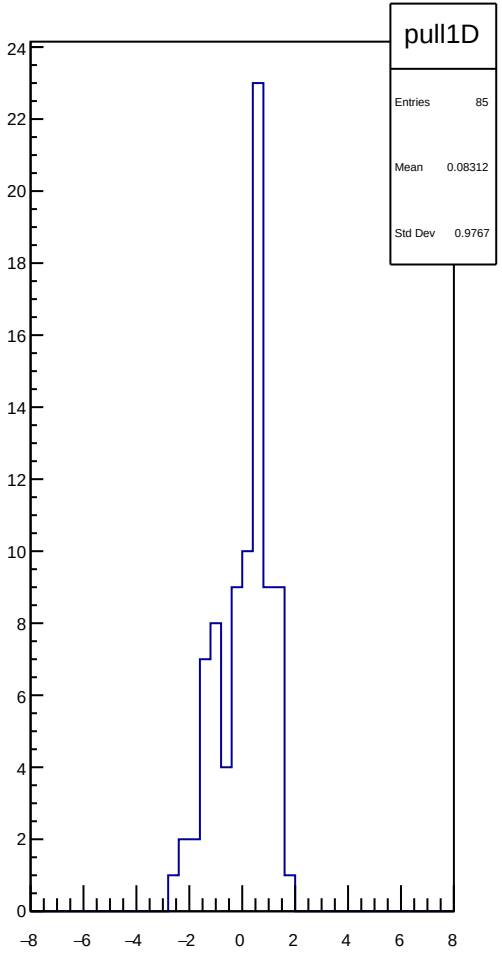

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 82.55 / 84
p0 −212.3 ± 5.212
pull
Entries 85
Mean −119.7
Std Dev 155.5

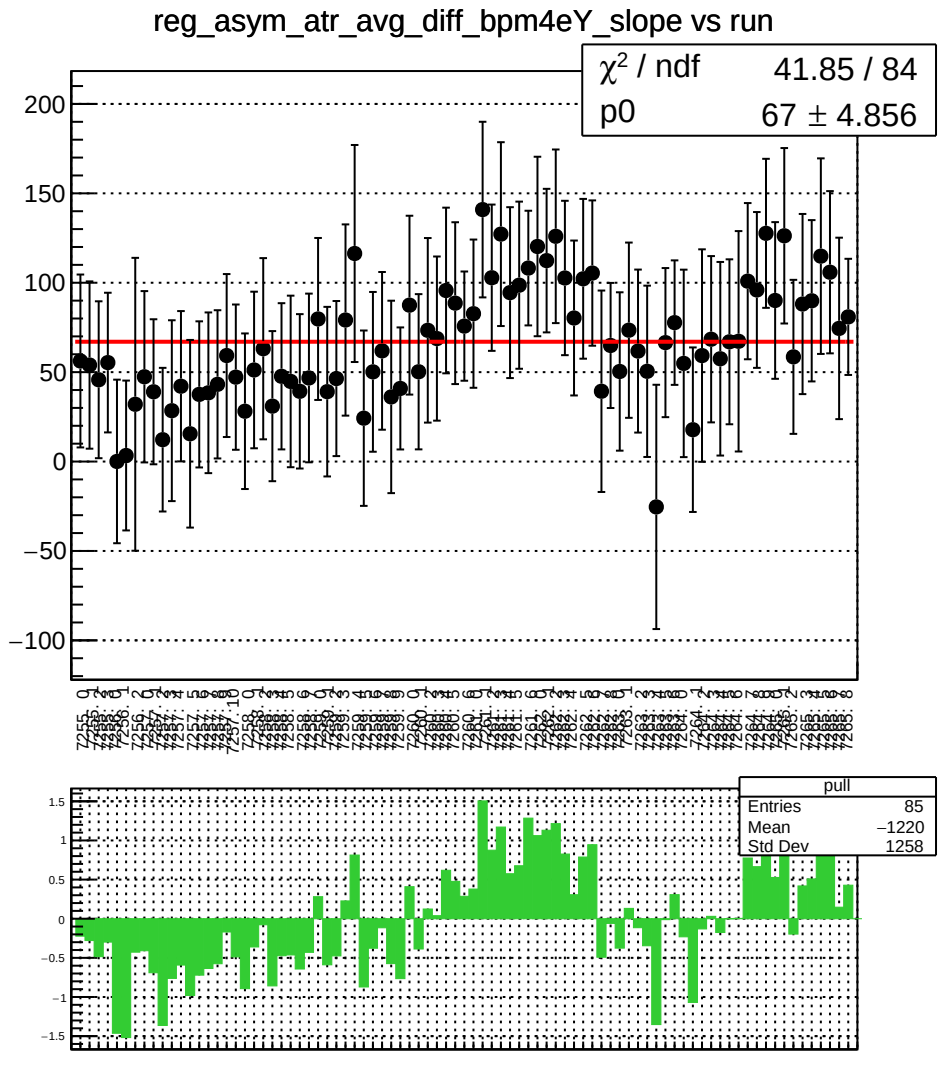

pull1D
Entries 85
Mean −0.07821
Std Dev 0.9824

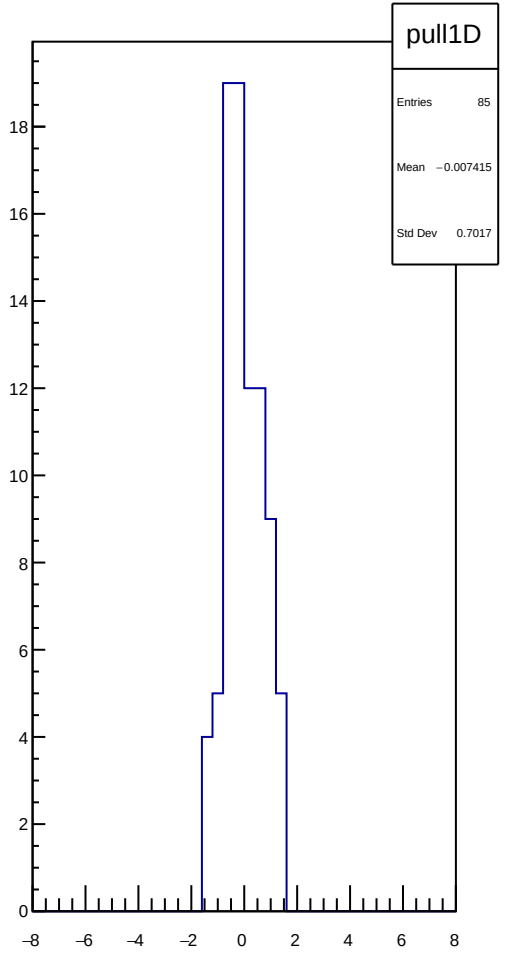

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 35.93 / 84
p0 −3.037 ± 4.605
150
100
50
0
−50
−100
pull
Entries 85
Mean −1382
Std Dev 1420
1.5
1
0.5
0
−0.5
−1
−1.5

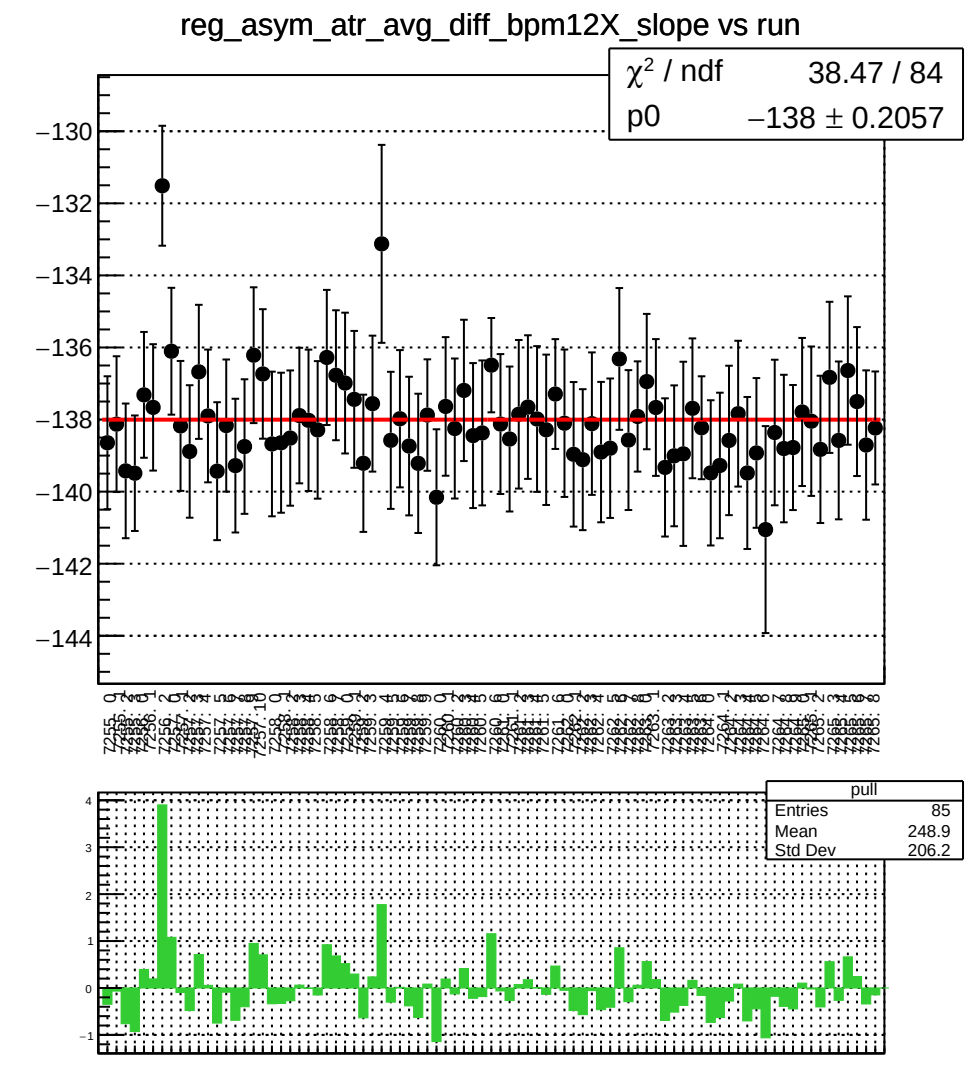

pull1D
Entries 85
Mean 0.005704
Std Dev 0.6502
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

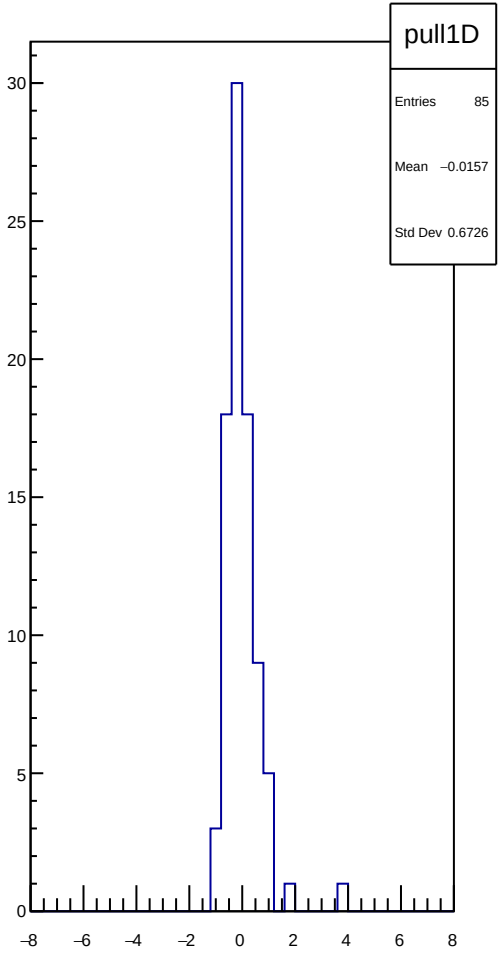

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 81.67 / 84
p0 247.1 ± 5.654
pull
Entries 85
Mean −107.7
Std Dev 143.3

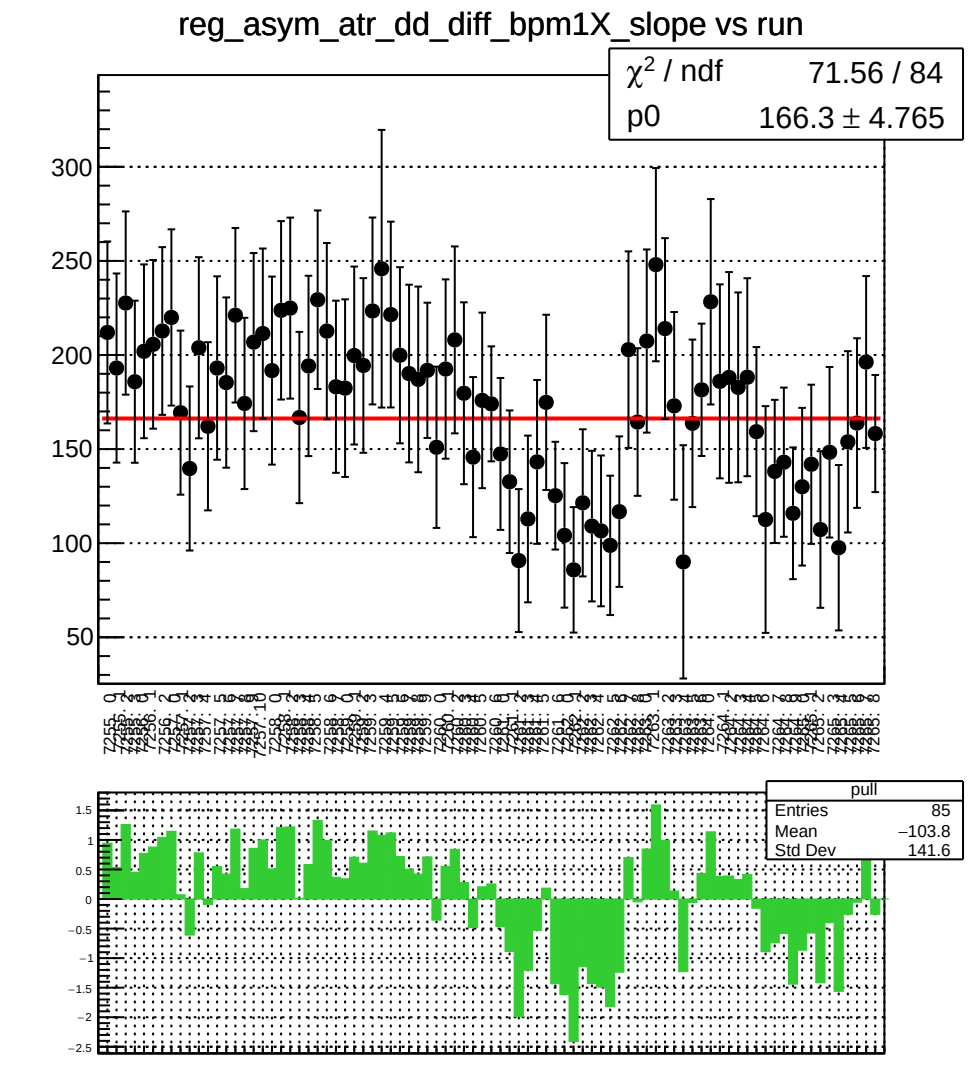

pull1D
Entries 85
Mean 0.08312
Std Dev 0.9767

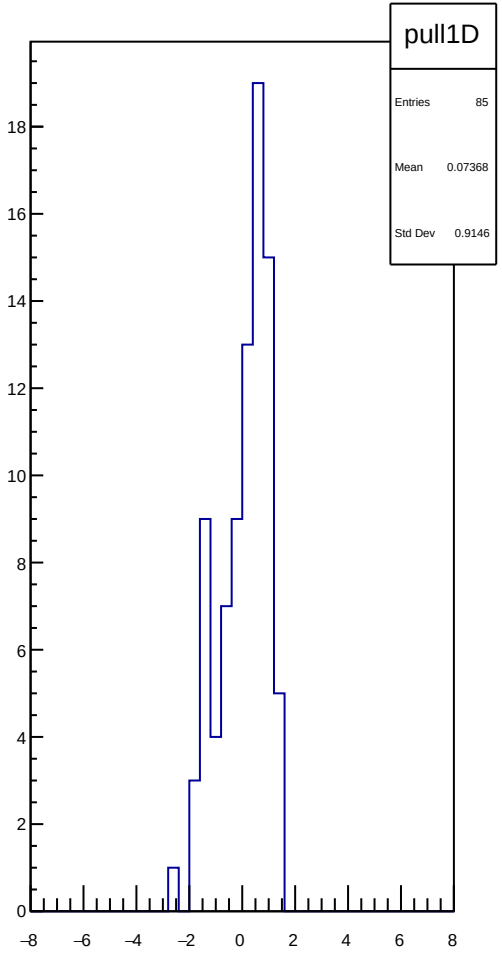

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.85 / 84
p0 67 ± 4.856
200
150
100
50
0
−50
−100
pull
Entries 85
Mean −1220
Std Dev 1258
1.5
1
0.5
0
−0.5
−1
−1.5

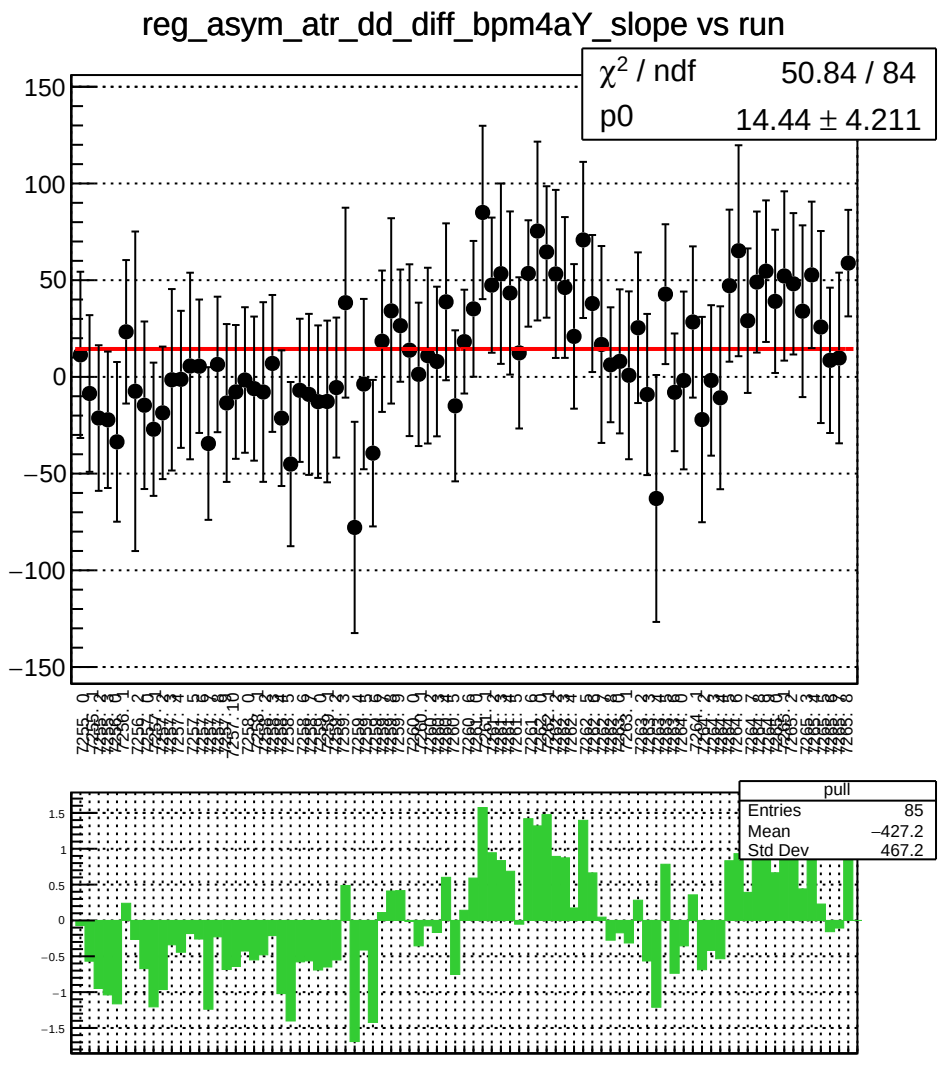

pull1D
Entries 85
Mean −0.007415
Std Dev 0.7017
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

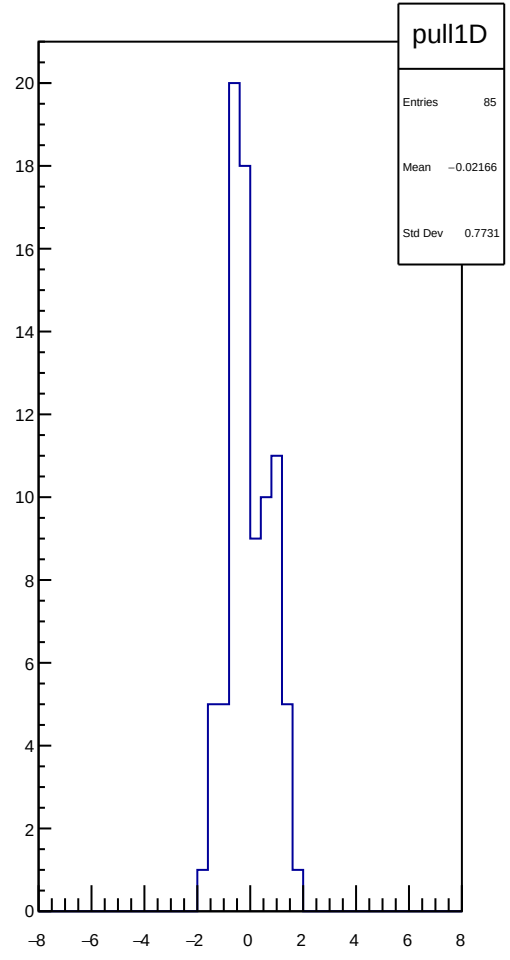

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 38.47 / 84
p0 −138 ± 0.2057
pull
Entries 85
Mean 248.9
Std Dev 206.2

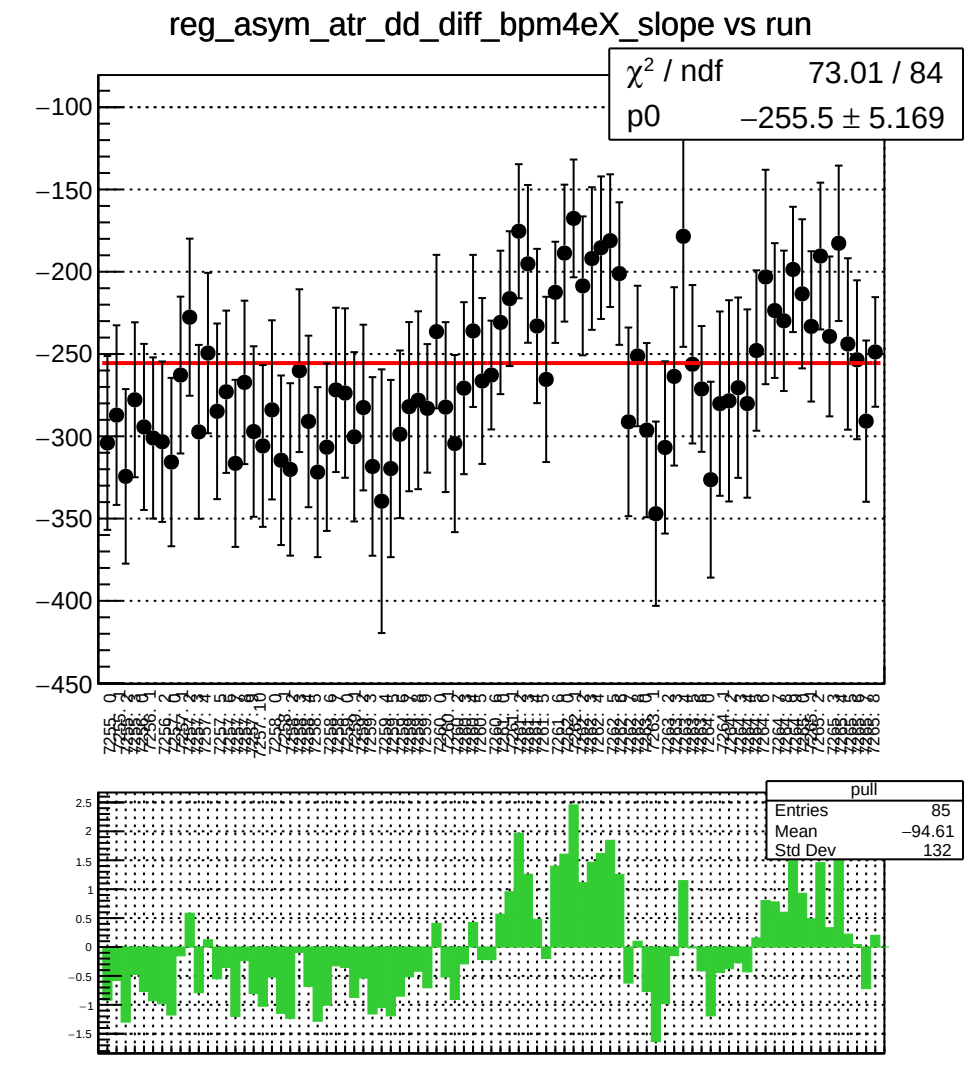

pull1D
Entries 85
Mean −0.0157
Std Dev 0.6726

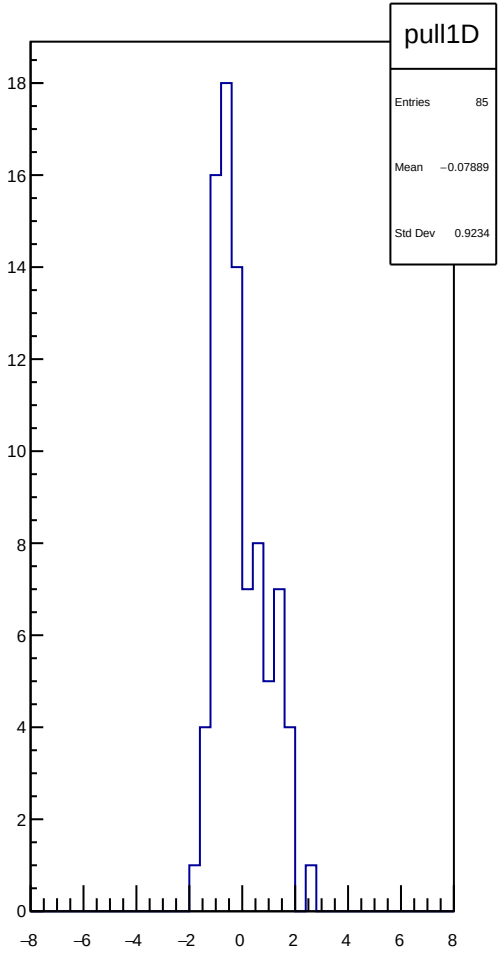

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 71.56 / 84
p0 166.3 ± 4.765
pull
Entries 85
Mean −103.8
Std Dev 141.6

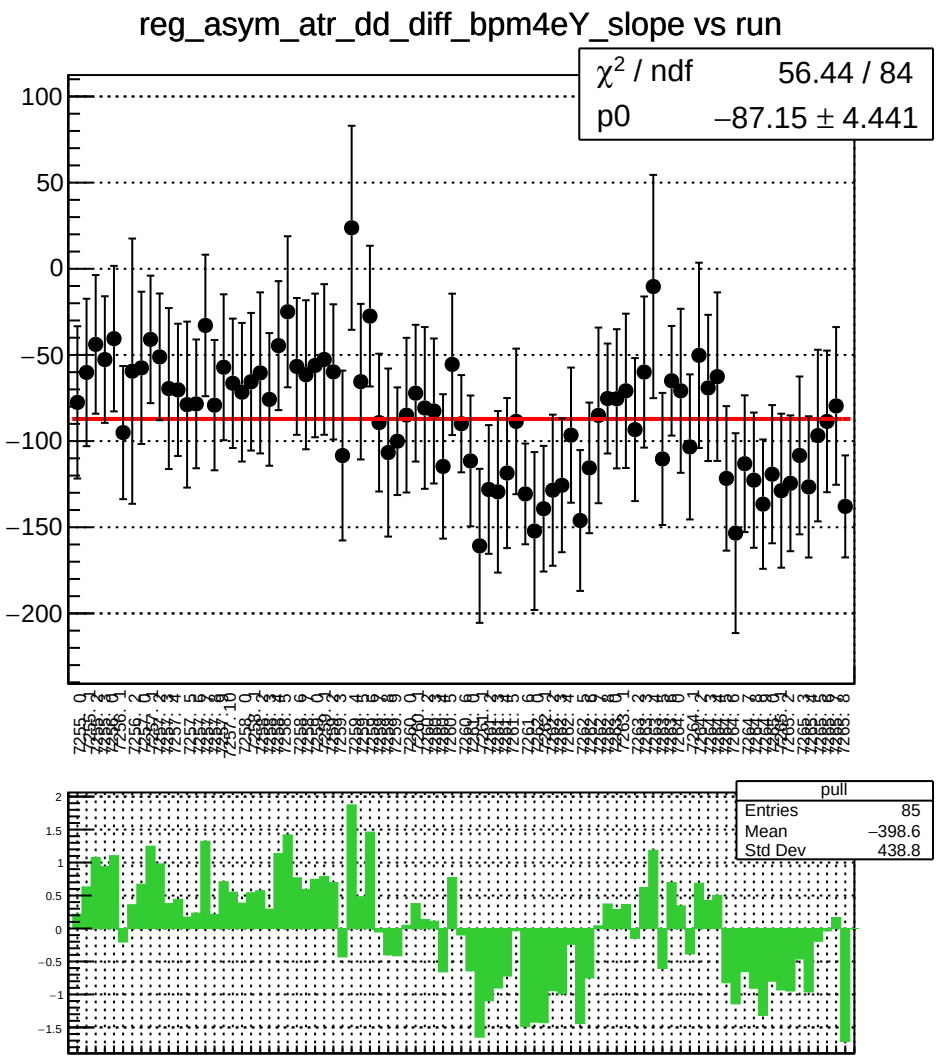

pull1D
Entries 85
Mean 0.07368
Std Dev 0.9146

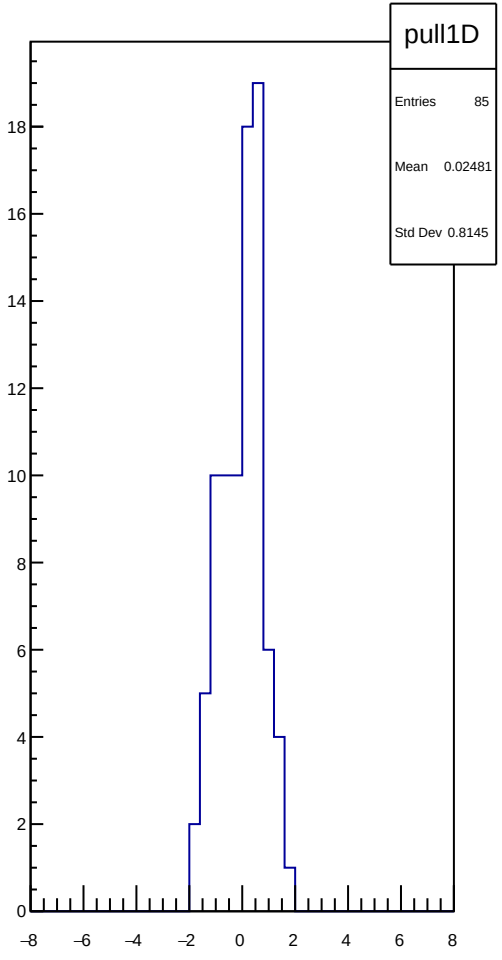

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.84 / 84
p0 14.44 ± 4.211
pull
Entries 85
Mean −427.2
Std Dev 467.2

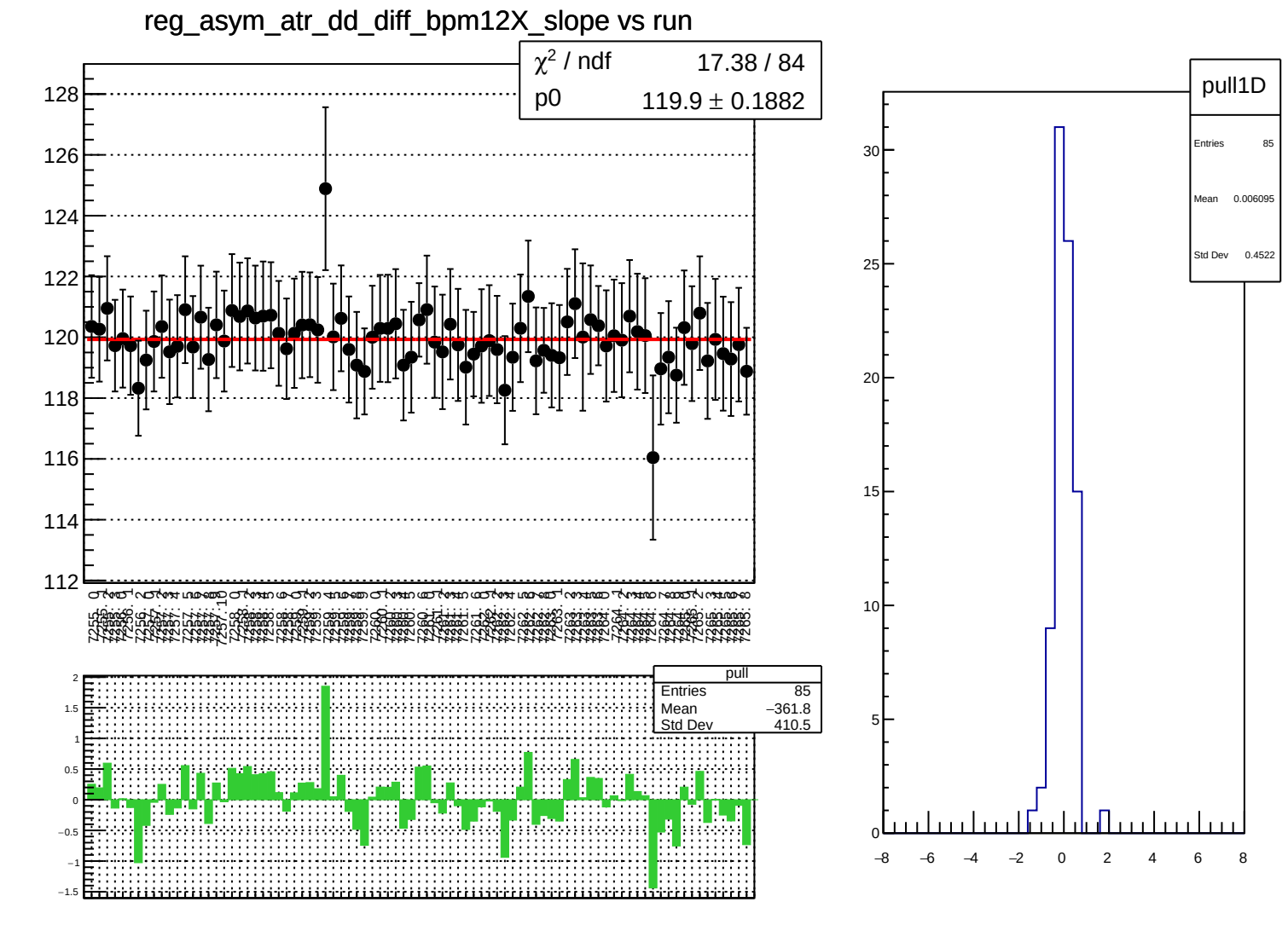

pull1D
Entries 85
Mean −0.02166
Std Dev 0.7731

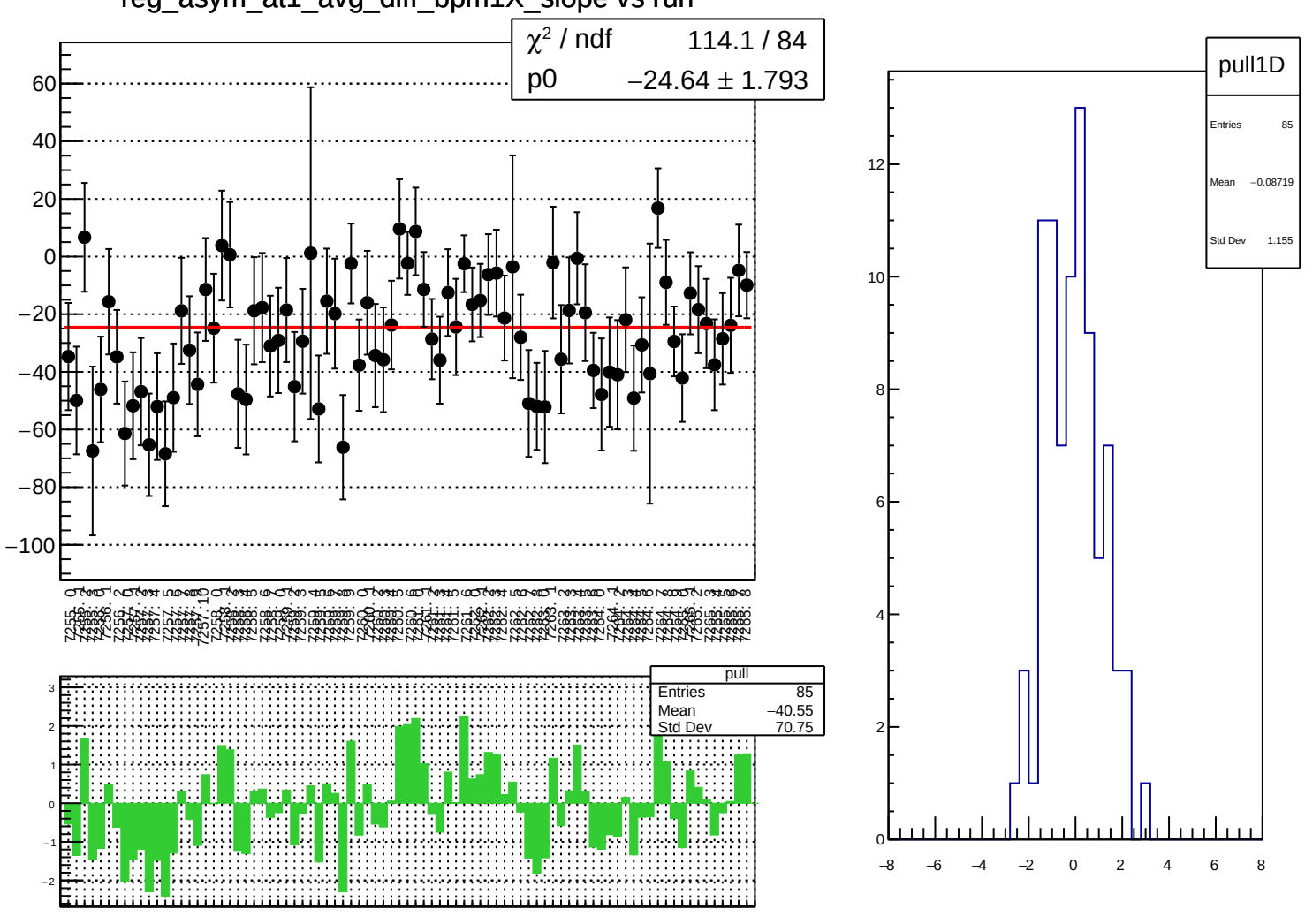

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 73.01 / 84
p0 −255.5 ± 5.169
pull
Entries 85
Mean −94.61
Std Dev 132

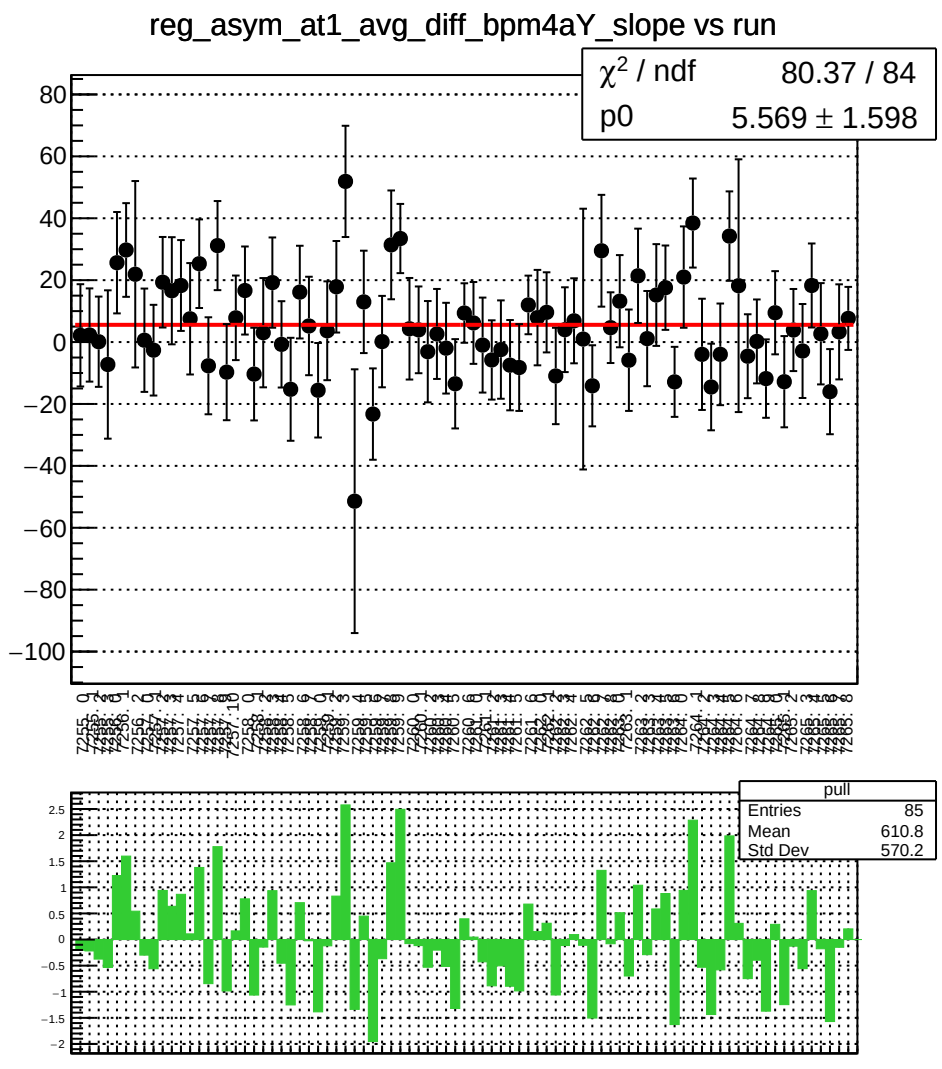

pull1D
Entries 85
Mean −0.07889
Std Dev 0.9234

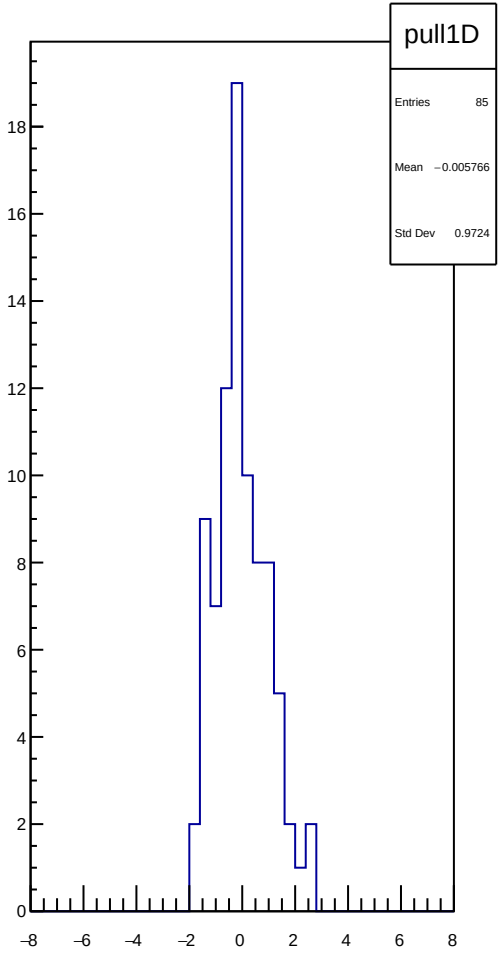

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.44 / 84
p0 −87.15 ± 4.441
pull
Entries 85
Mean −398.6
Std Dev 438.8

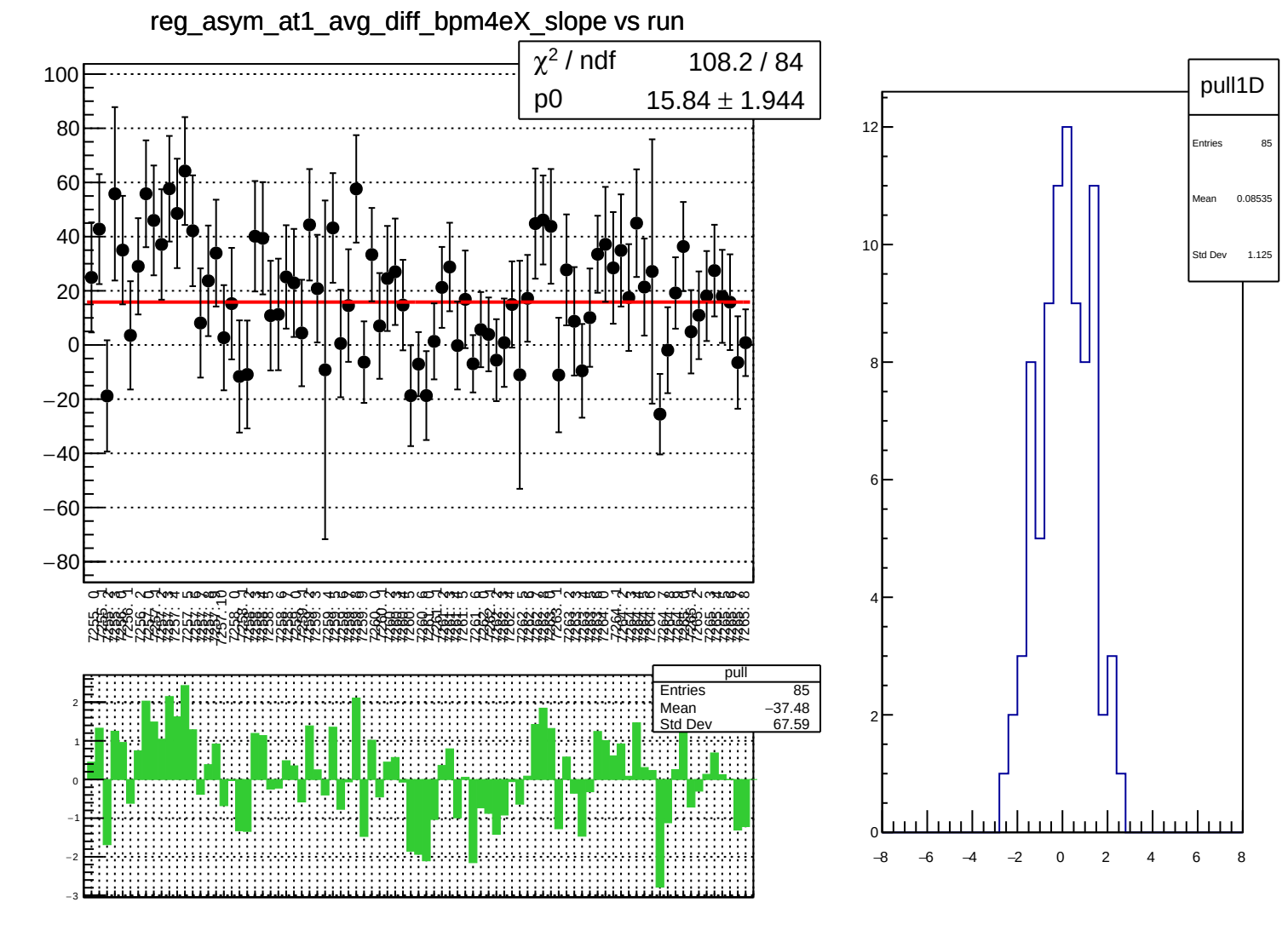

pull1D
Entries 85
Mean 0.02481
Std Dev 0.8145

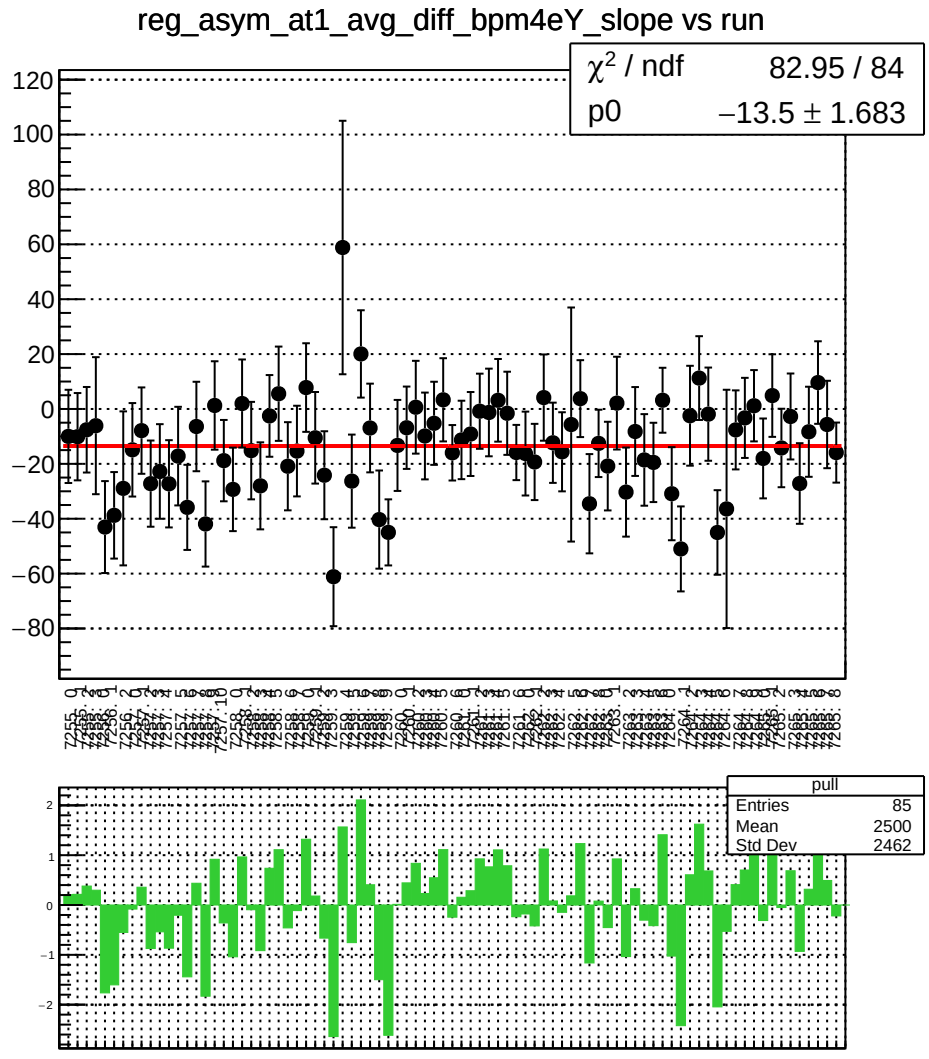

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 17.38 / 84
p0 119.9 ± 0.1882
pull
Entries 85
Mean −361.8
Std Dev 410.5
pull1D
Entries 85
Mean 0.006095
Std Dev 0.4522

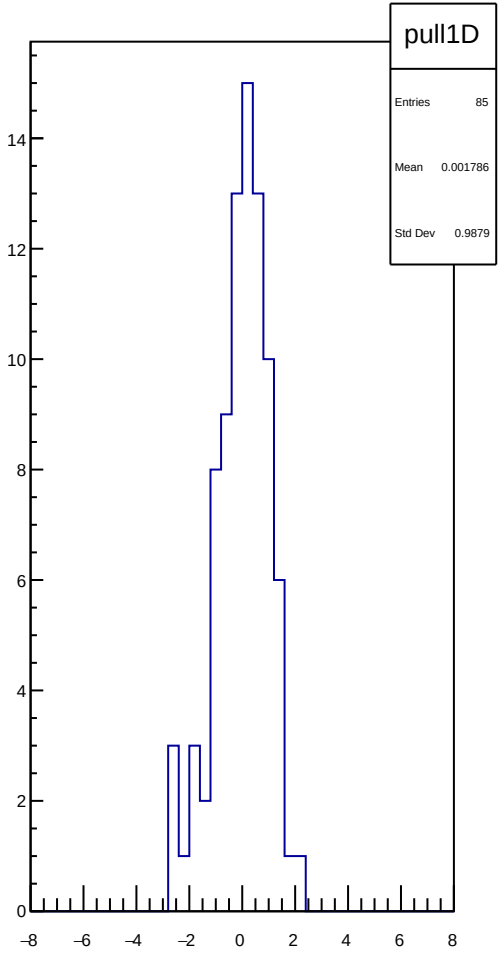

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 114.1 / 84
p0 −24.64 ± 1.793
pull
Entries 85
Mean −40.55
Std Dev 70.75
pull1D
Entries 85
Mean −0.08719
Std Dev 1.155

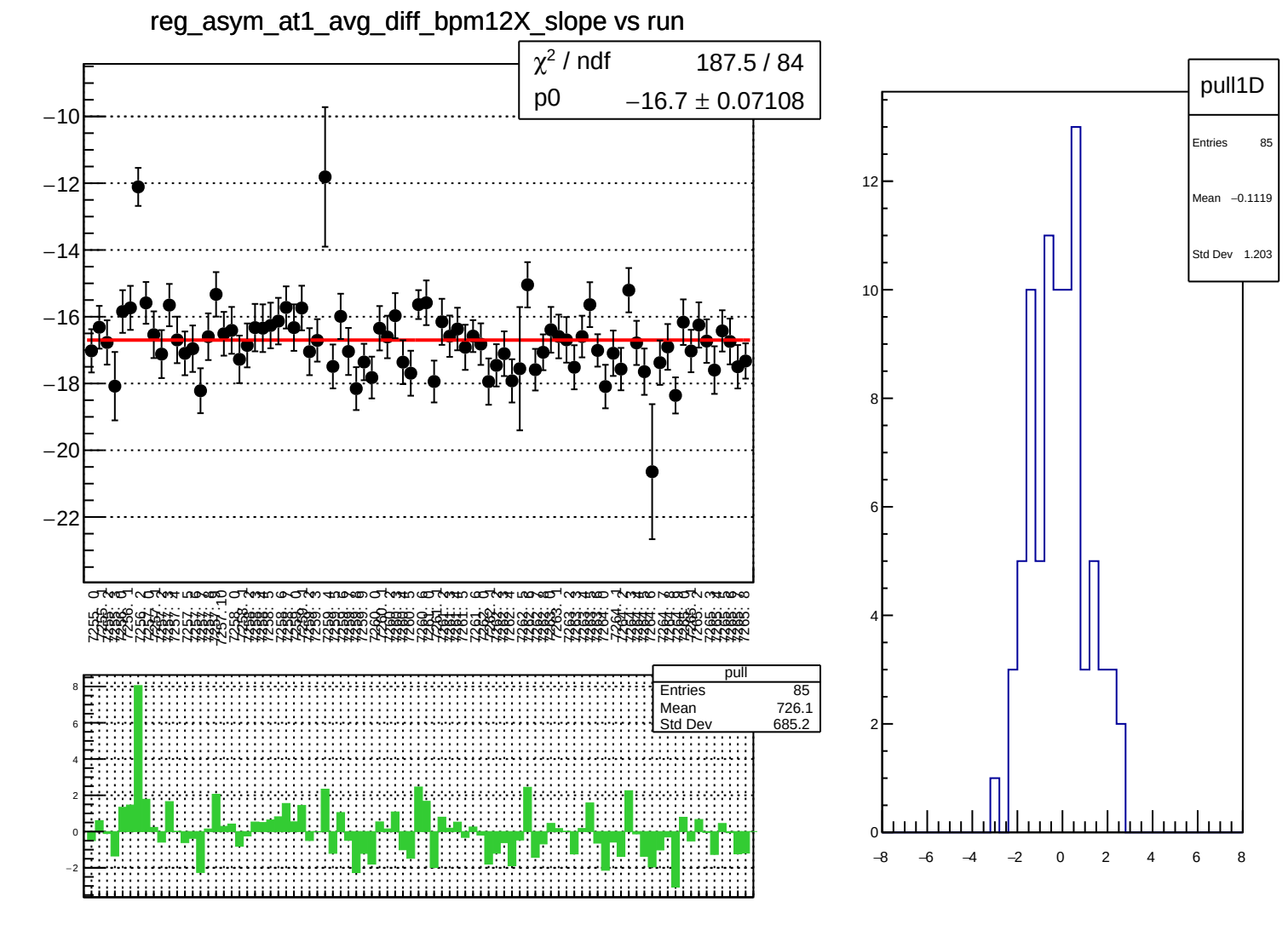

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 80.37 / 84
p0 5.569 ± 1.598
pull
Entries 85
Mean 610.8
Std Dev 570.2

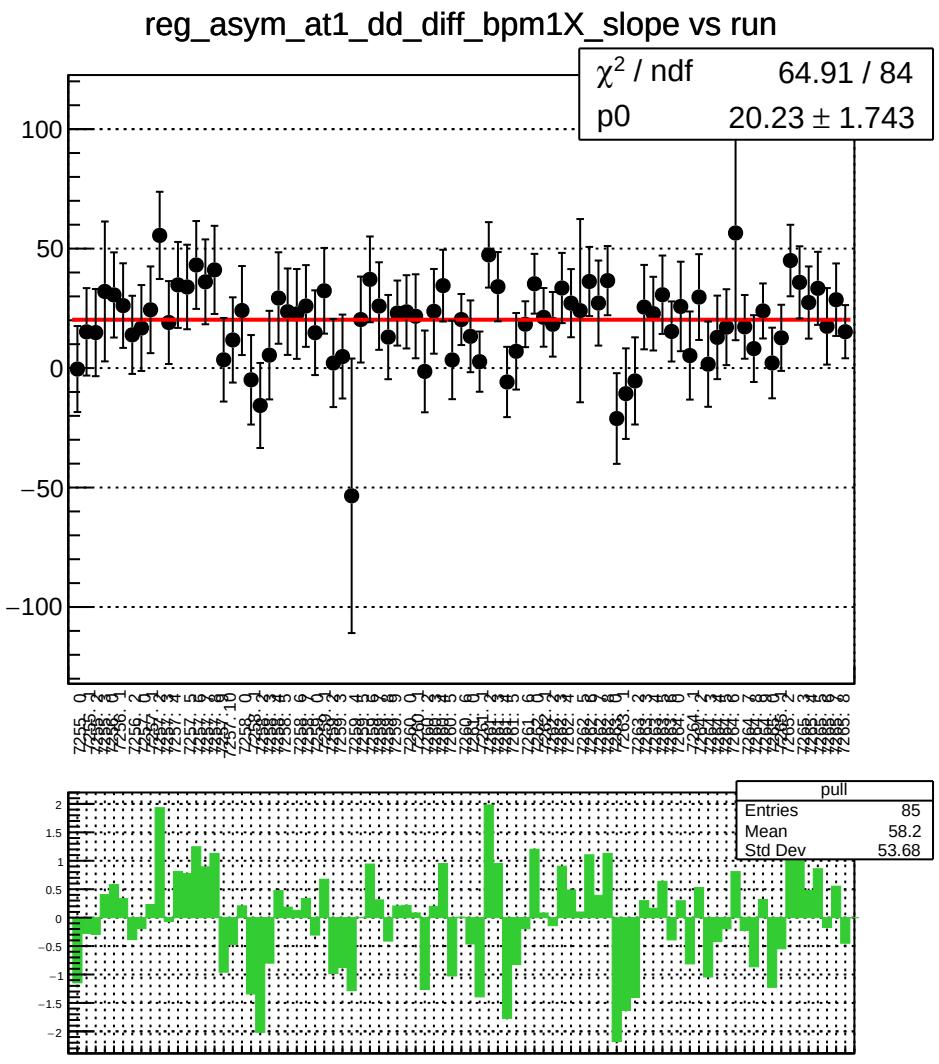

pull1D
Entries 85
Mean −0.005766
Std Dev 0.9724

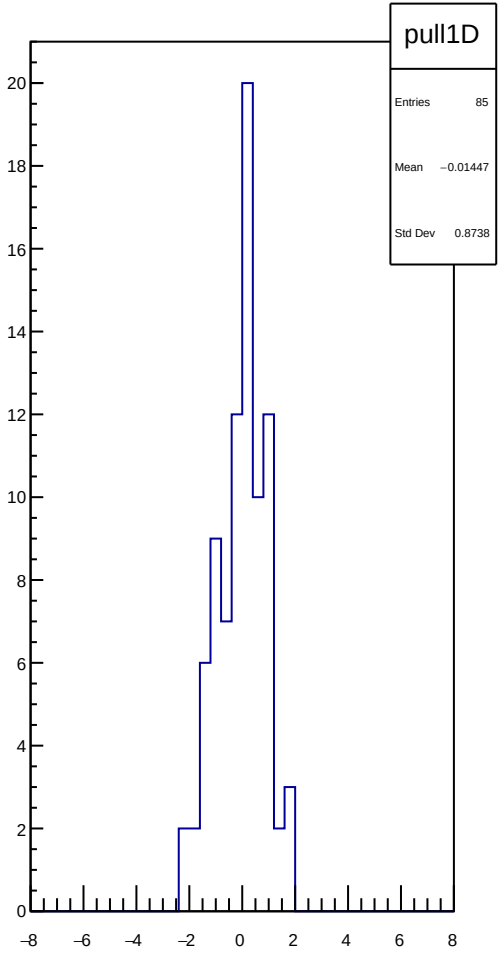

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 108.2 / 84
p0 15.84 ± 1.944
pull
Entries 85
Mean −37.48
Std Dev 67.59
pull1D
Entries 85
Mean 0.08535
Std Dev 1.125

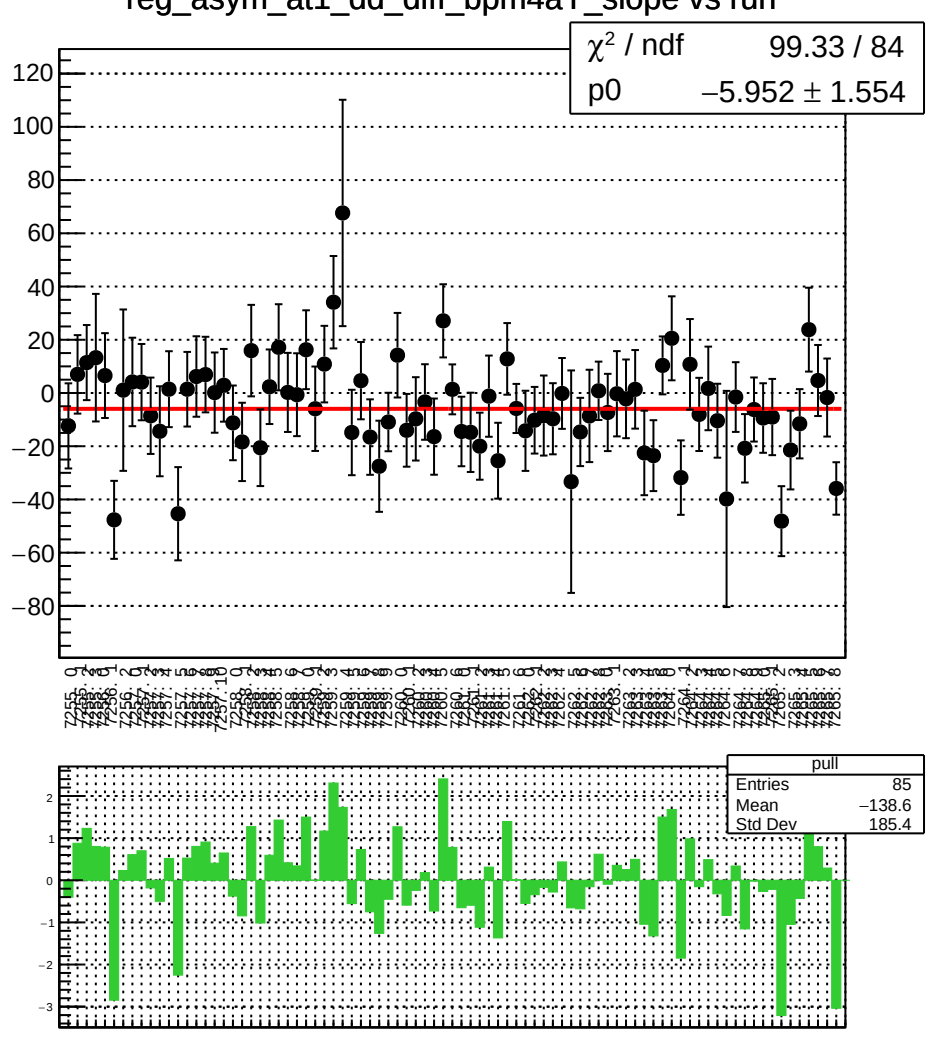

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 82.95 / 84
p0 −13.5 ± 1.683
pull
Entries 85
Mean 2500
Std Dev 2462

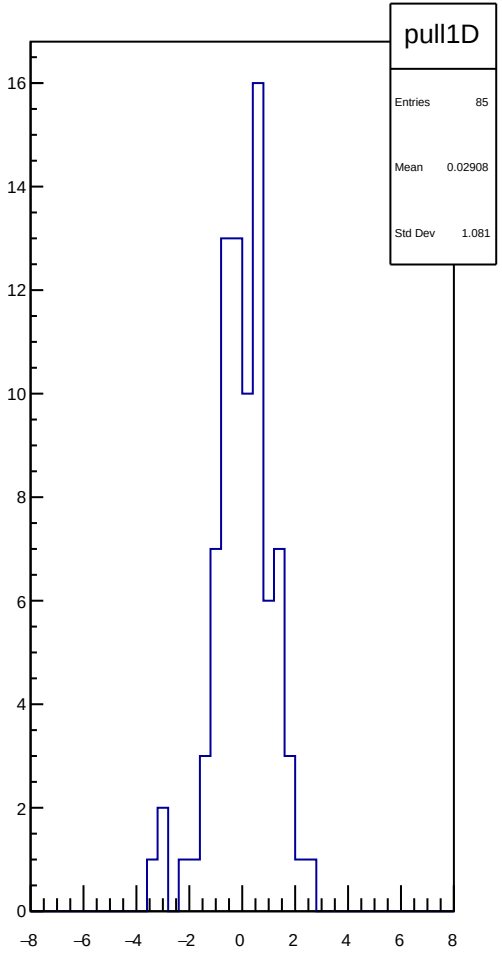

pull1D
Entries 85
Mean 0.001786
Std Dev 0.9879

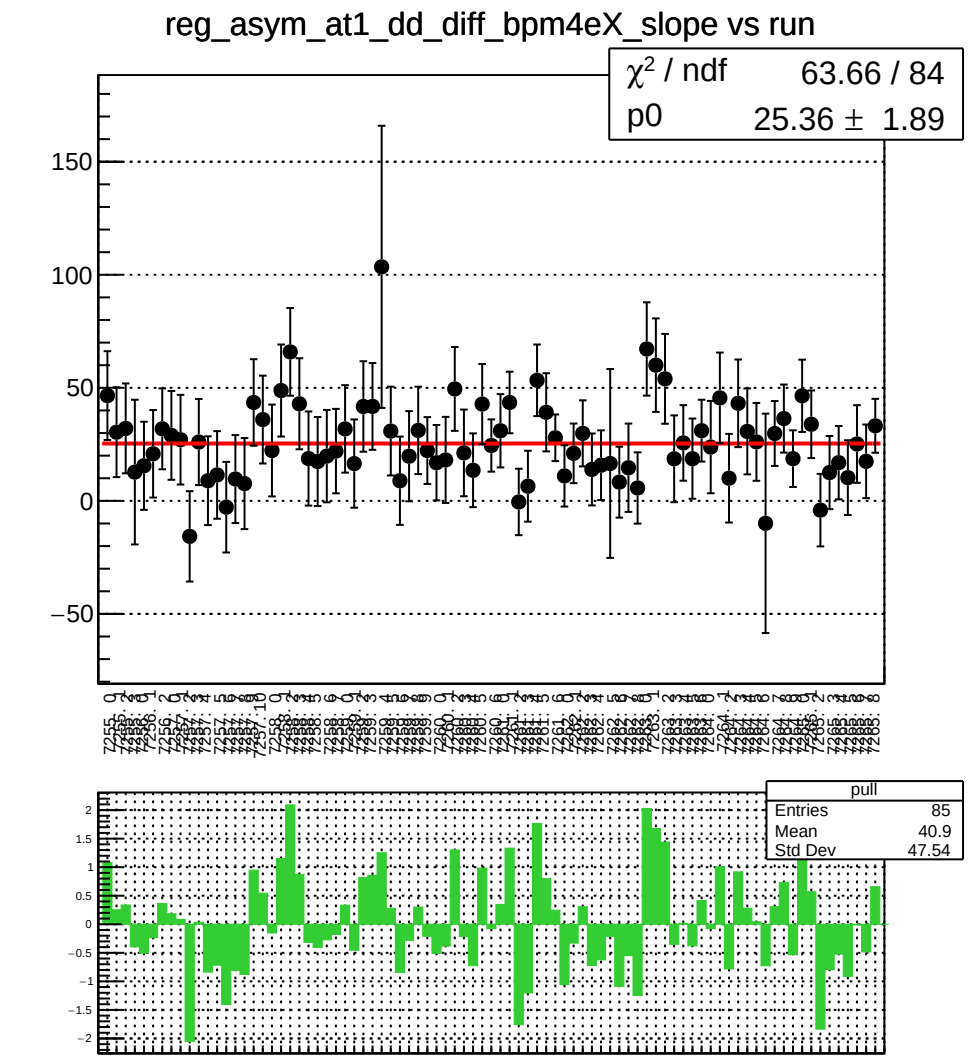

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 187.5 / 84
p0 −16.7 ± 0.07108
pull
Entries 85
Mean 726.1
Std Dev 685.2
pull1D
Entries 85
Mean −0.1119
Std Dev 1.203

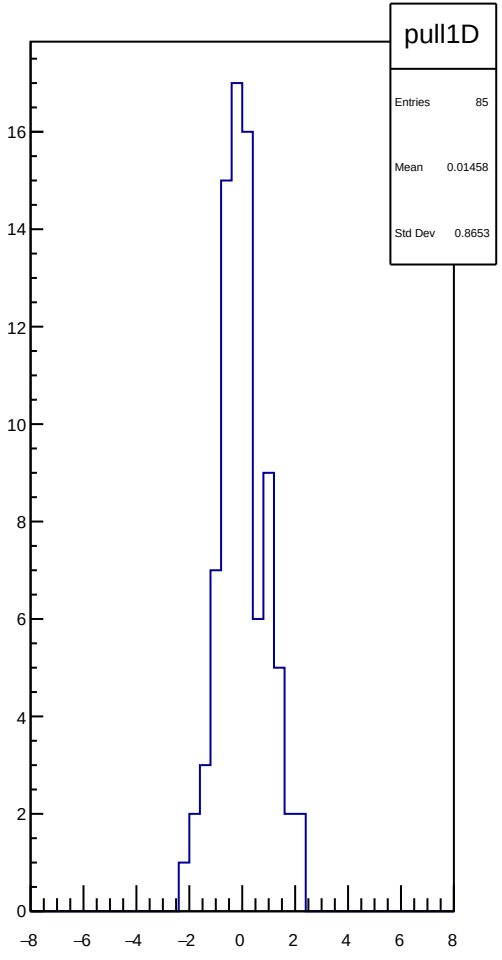

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 64.91 / 84
p0 20.23 ± 1.743
pull
Entries 85
Mean 58.2
Std Dev 53.68

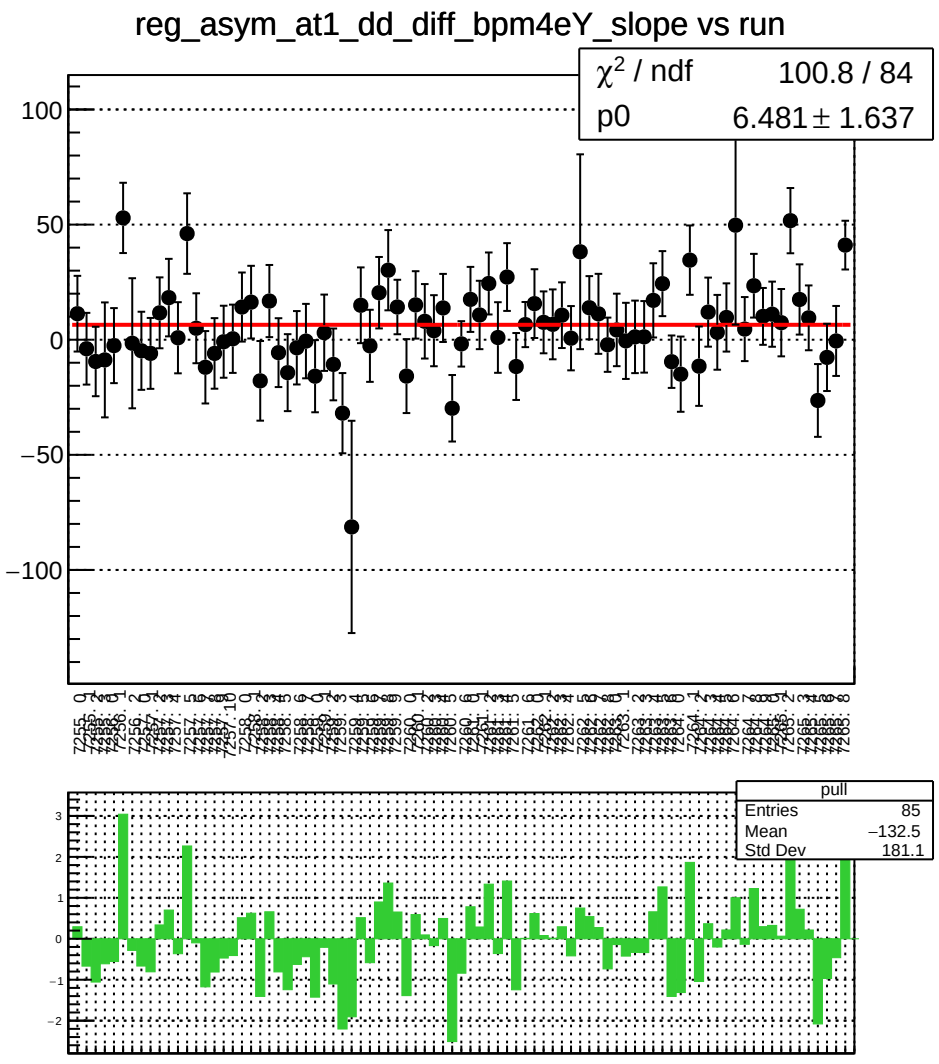

pull1D
Entries 85
Mean −0.01447
Std Dev 0.8738

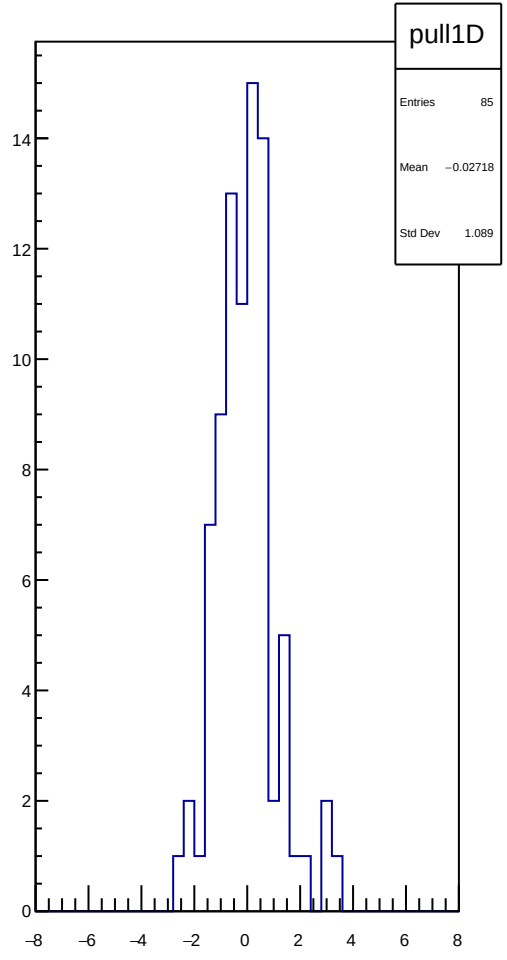

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 99.33 / 84
p0 −5.952 ± 1.554
pull
Entries 85
Mean −138.6
Std Dev 185.4

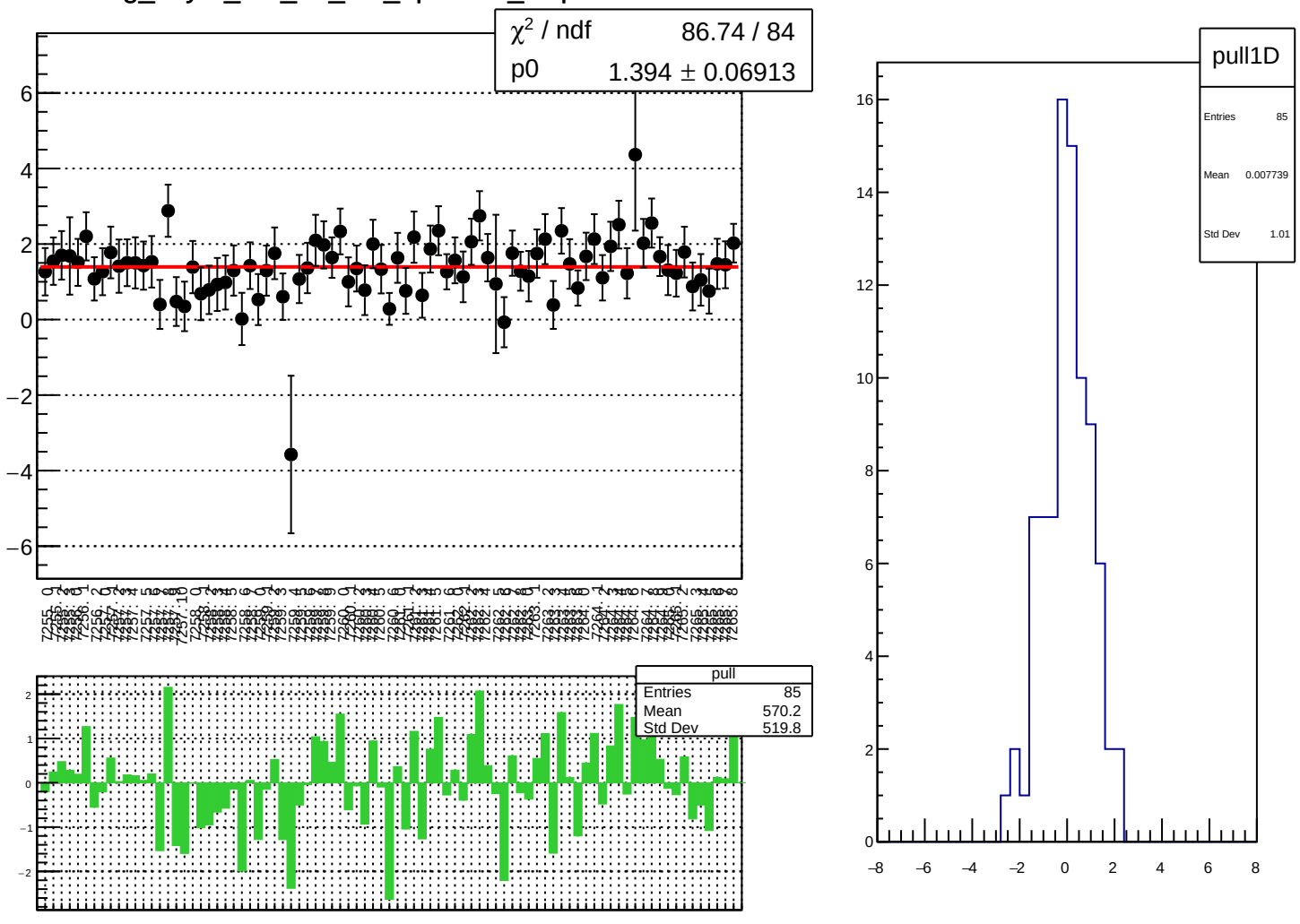

pull1D
Entries 85
Mean 0.02908
Std Dev 1.081

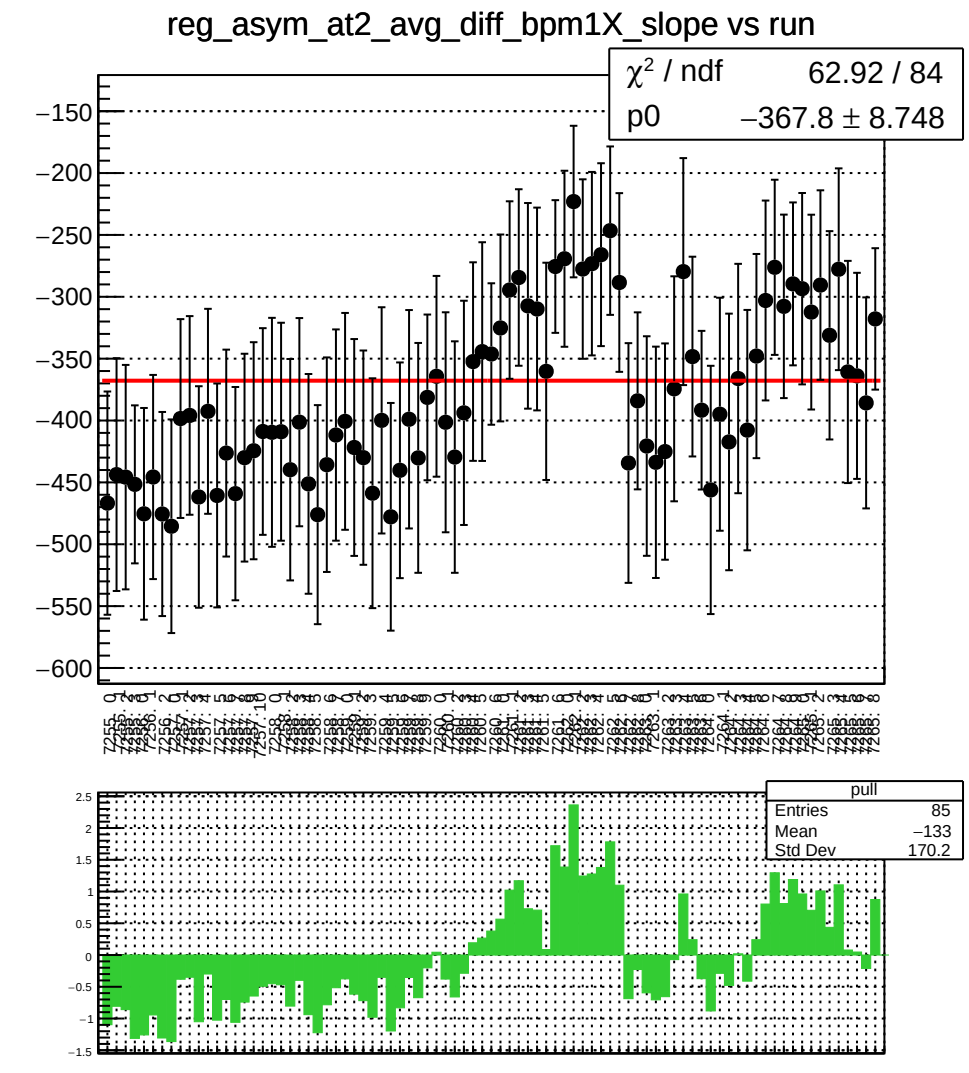

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.66 / 84
p0 25.36 ± 1.89
150
100
50
0
−50
pull
Entries 85
Mean 40.9
Std Dev 47.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

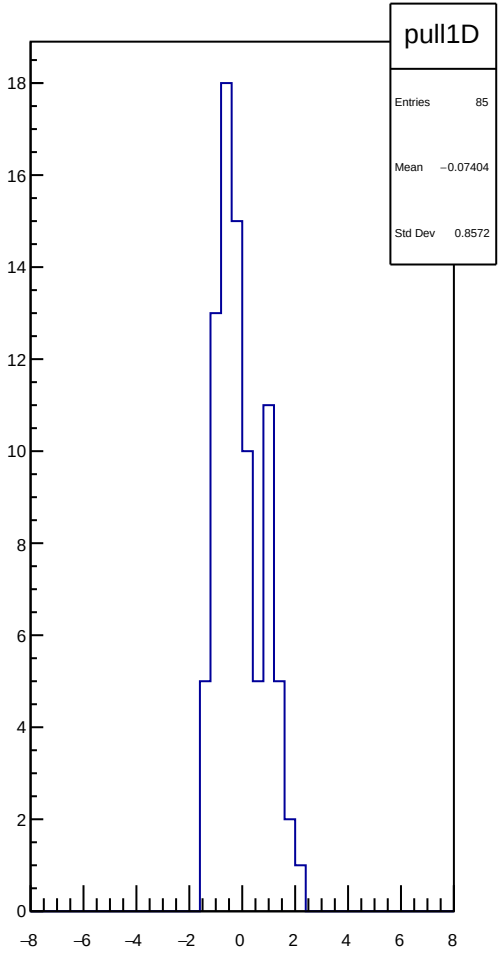

pull1D
Entries 85
Mean 0.01458
Std Dev 0.8653
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

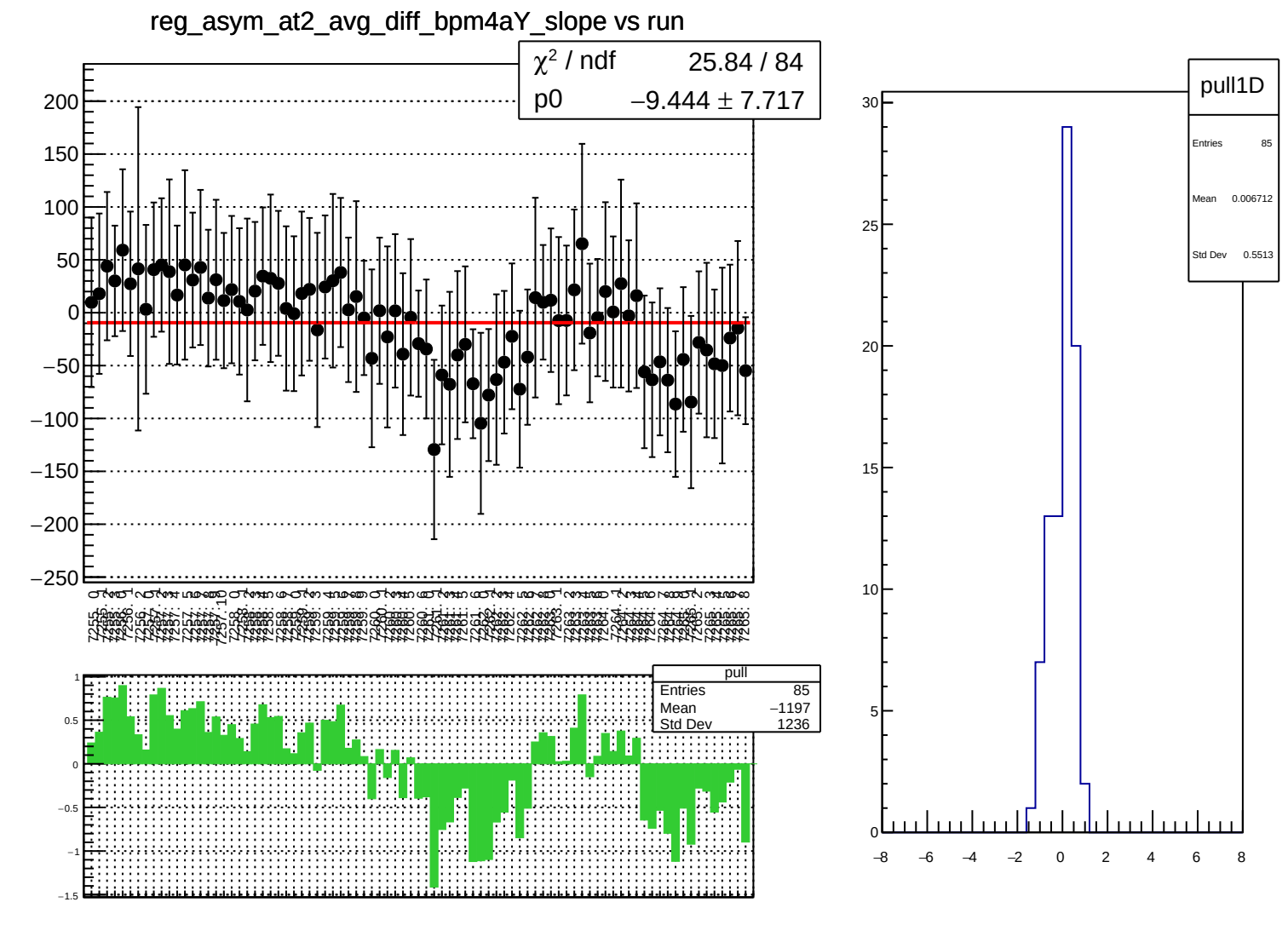

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 100.8 / 84
p0 6.481 ± 1.637
100
50
0
−50
−100
pull
Entries 85
Mean −132.5
Std Dev 181.1
3
2
1
0
−1
−2

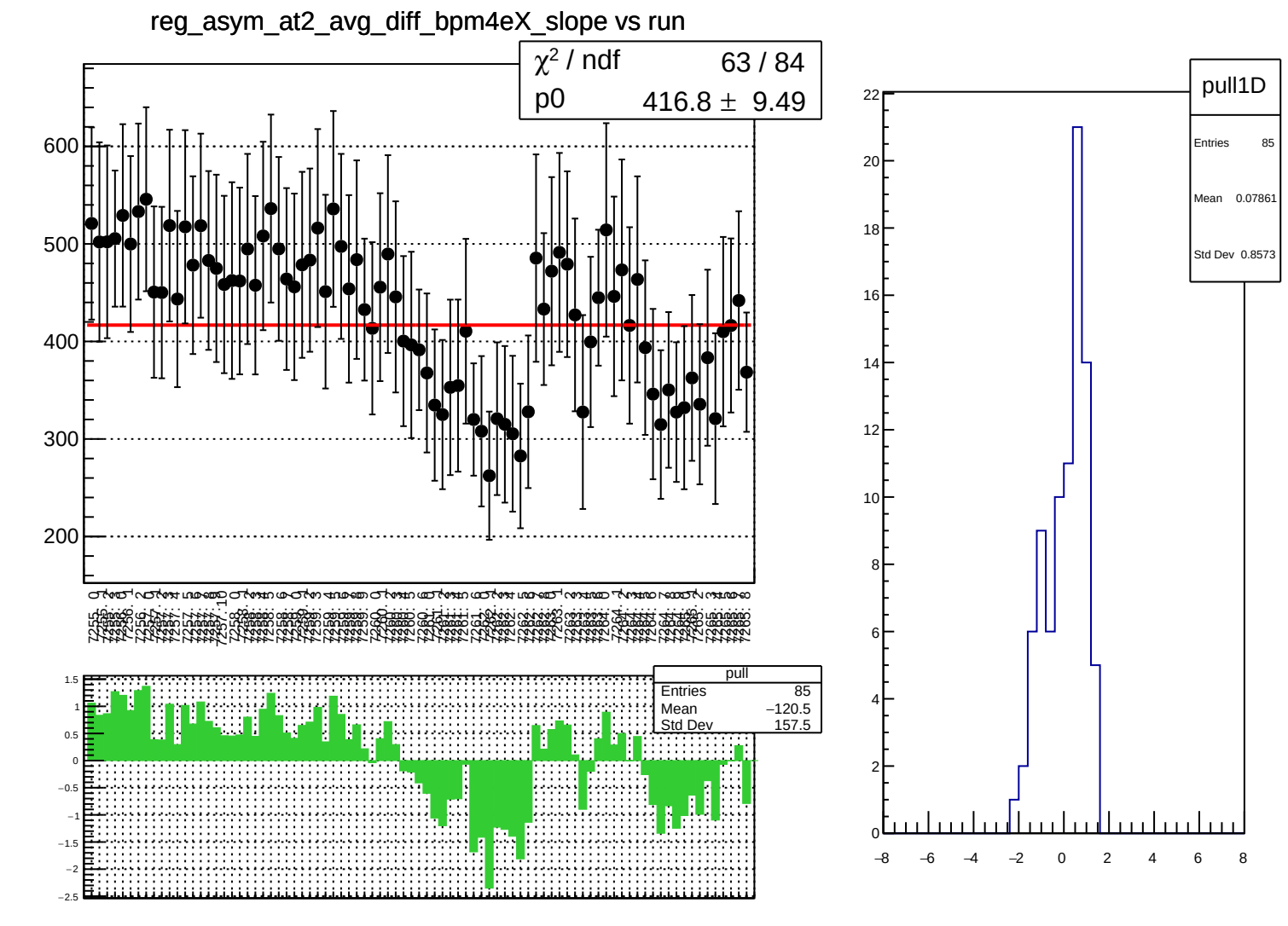

pull1D
Entries 85
Mean −0.02718
Std Dev 1.089
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

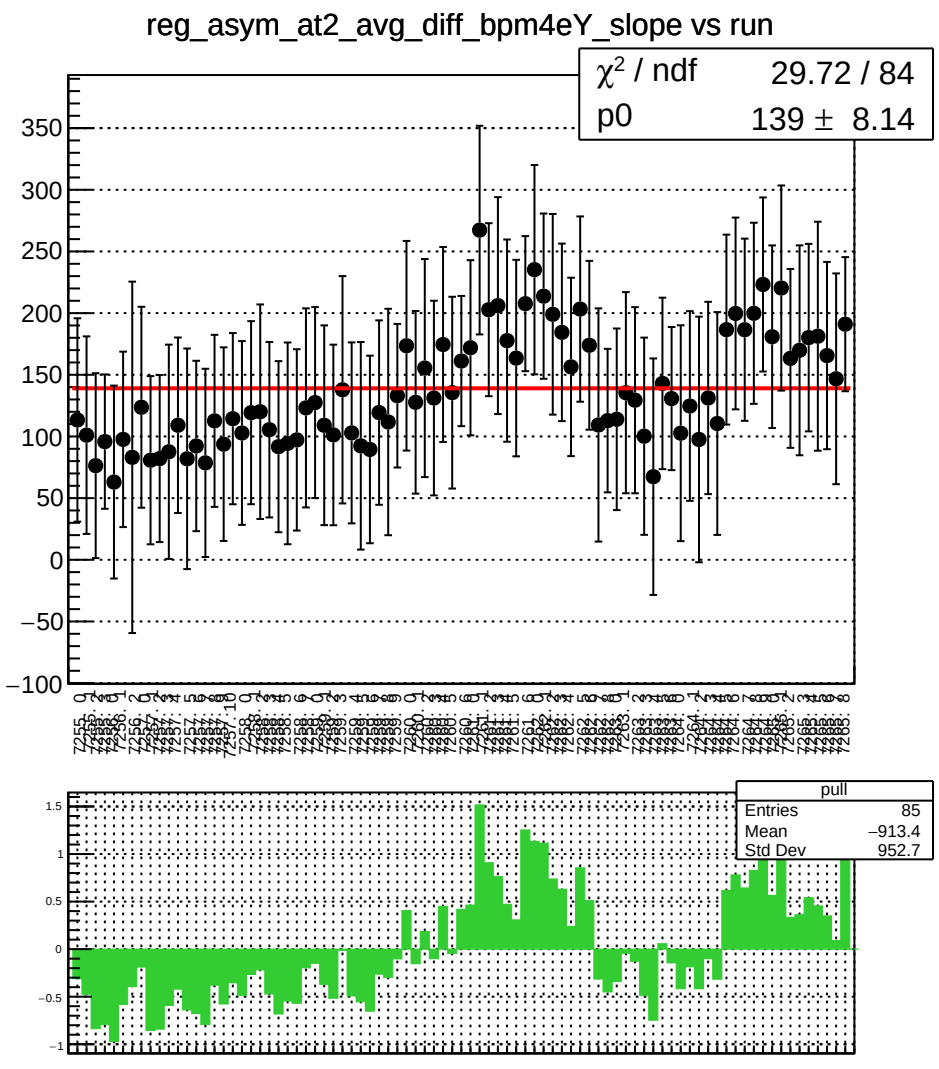

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 86.74 / 84
p0 1.394 ± 0.06913
pull
Entries 85
Mean 570.2
Std Dev 519.8
pull1D
Entries 85
Mean 0.007739
Std Dev 1.01

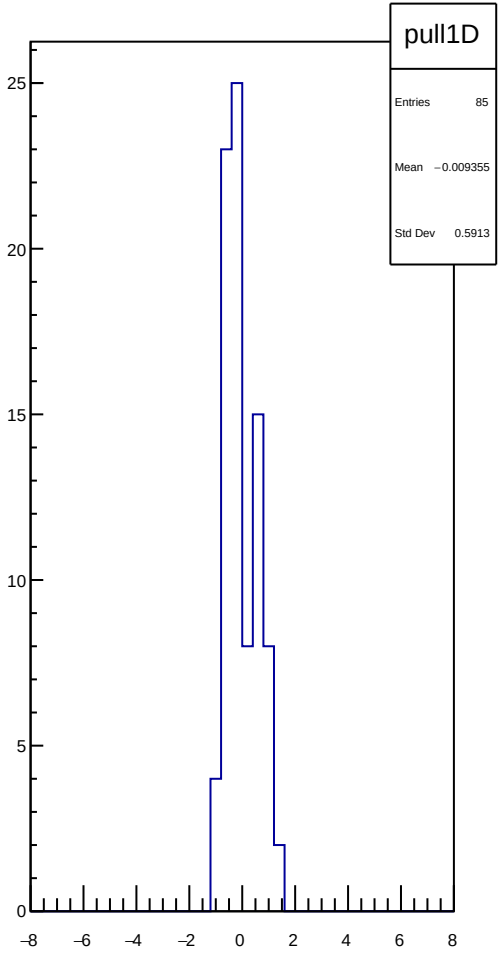

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 62.92 / 84
p0 −367.8 ± 8.748
pull
Entries 85
Mean −133
Std Dev 170.2

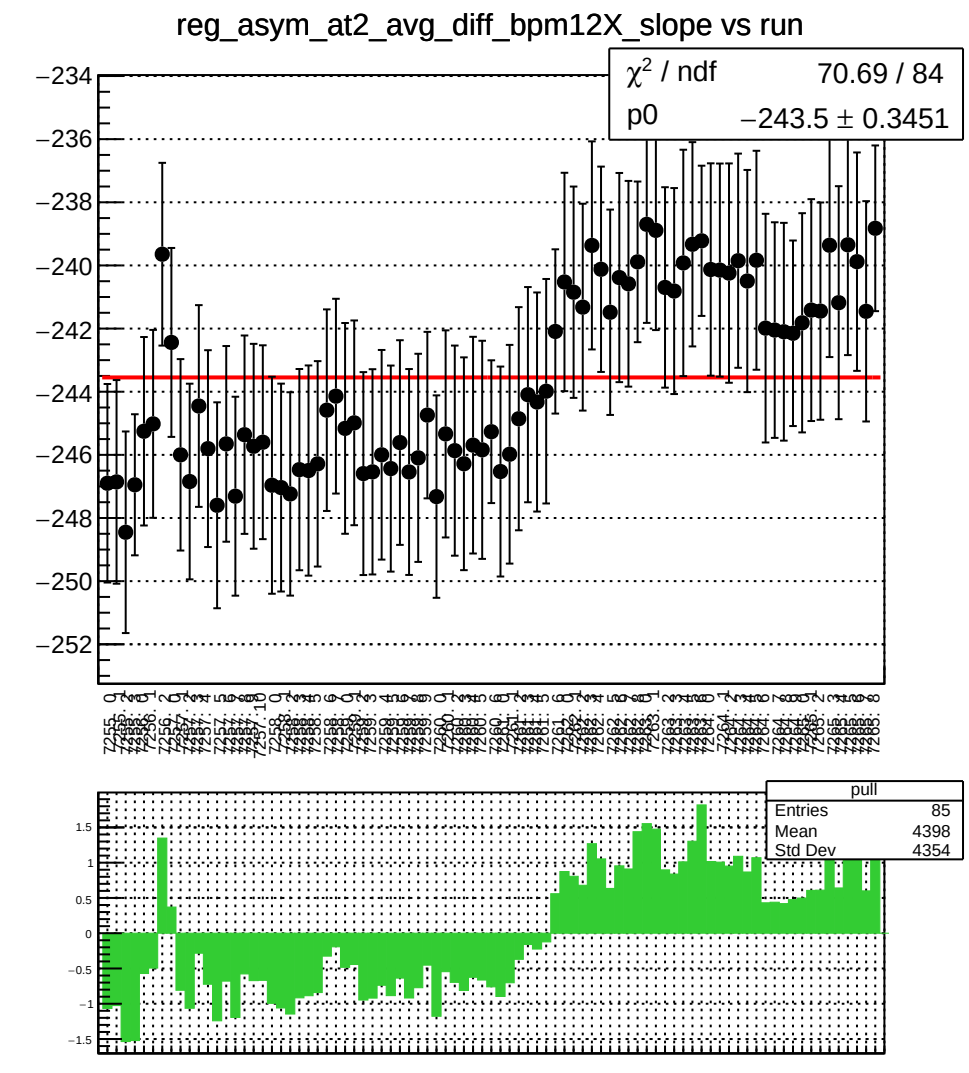

pull1D
Entries 85
Mean −0.07404
Std Dev 0.8572

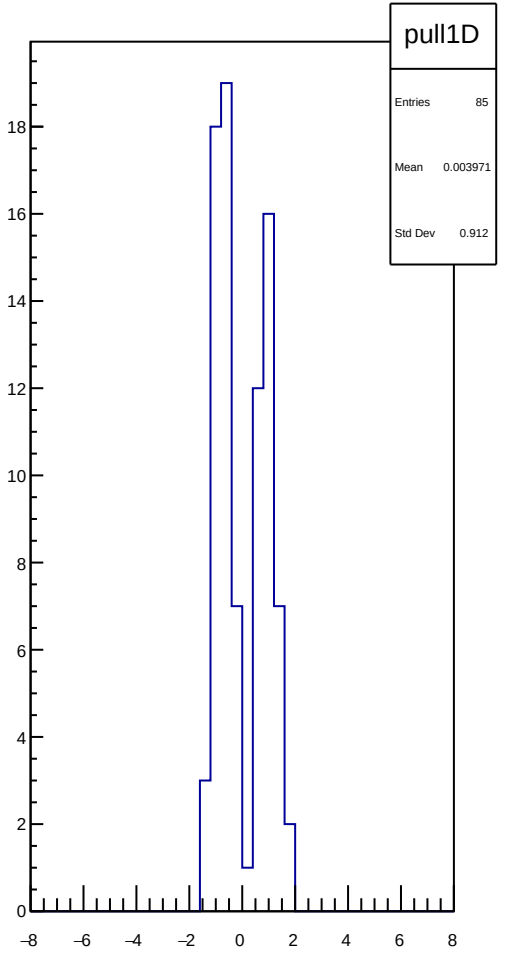

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.84 / 84
p0 −9.444 ± 7.717
pull
Entries 85
Mean −1197
Std Dev 1236
pull1D
Entries 85
Mean 0.006712
Std Dev 0.5513

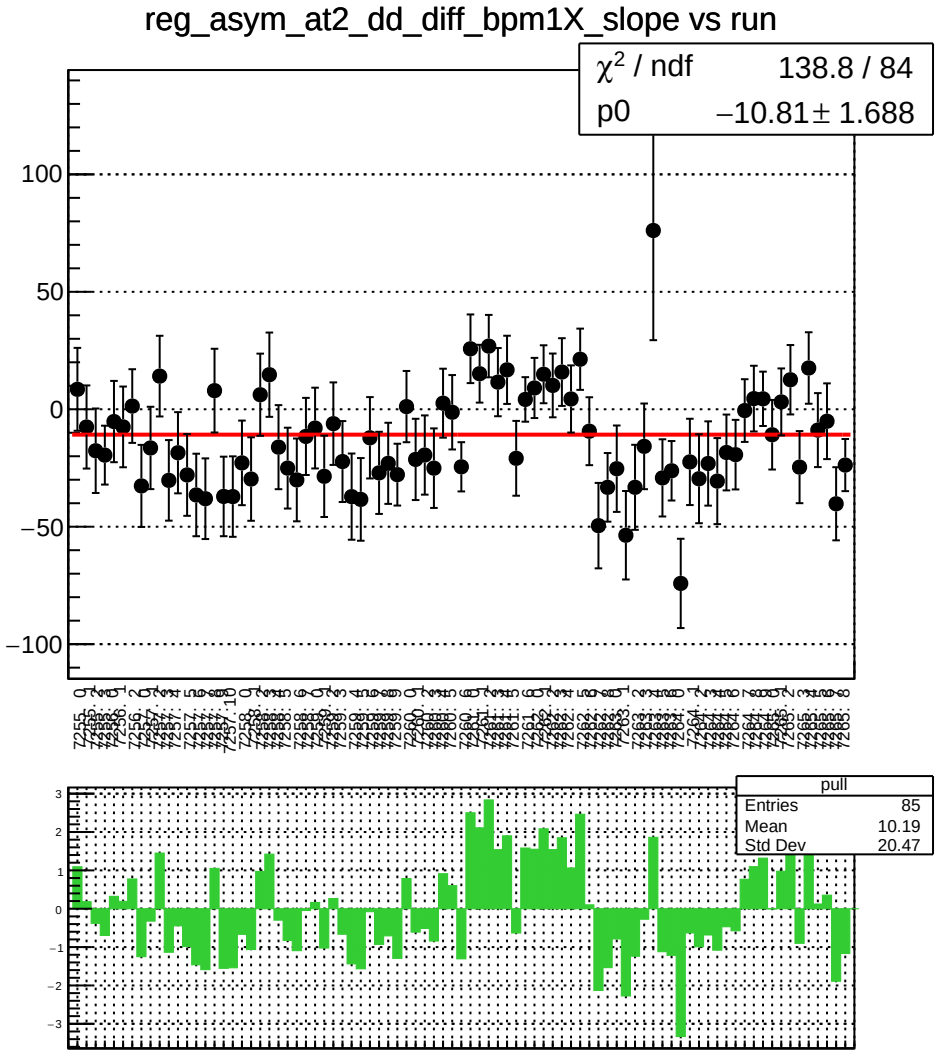

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 63 / 84
p0 416.8 ± 9.49
pull
Entries 85
Mean −120.5
Std Dev 157.5
pull1D
Entries 85
Mean 0.07861
Std Dev 0.8573

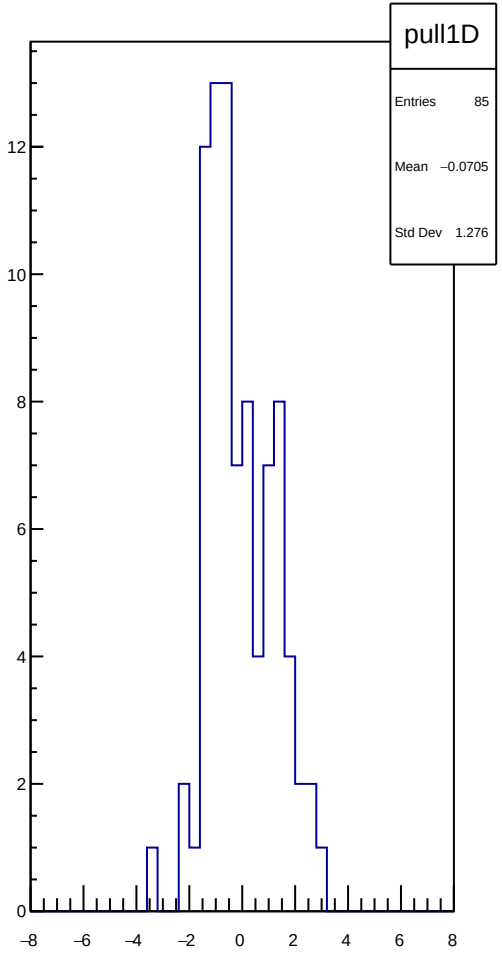

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.72 / 84
p0 139 ± 8.14
pull
Entries 85
Mean −913.4
Std Dev 952.7

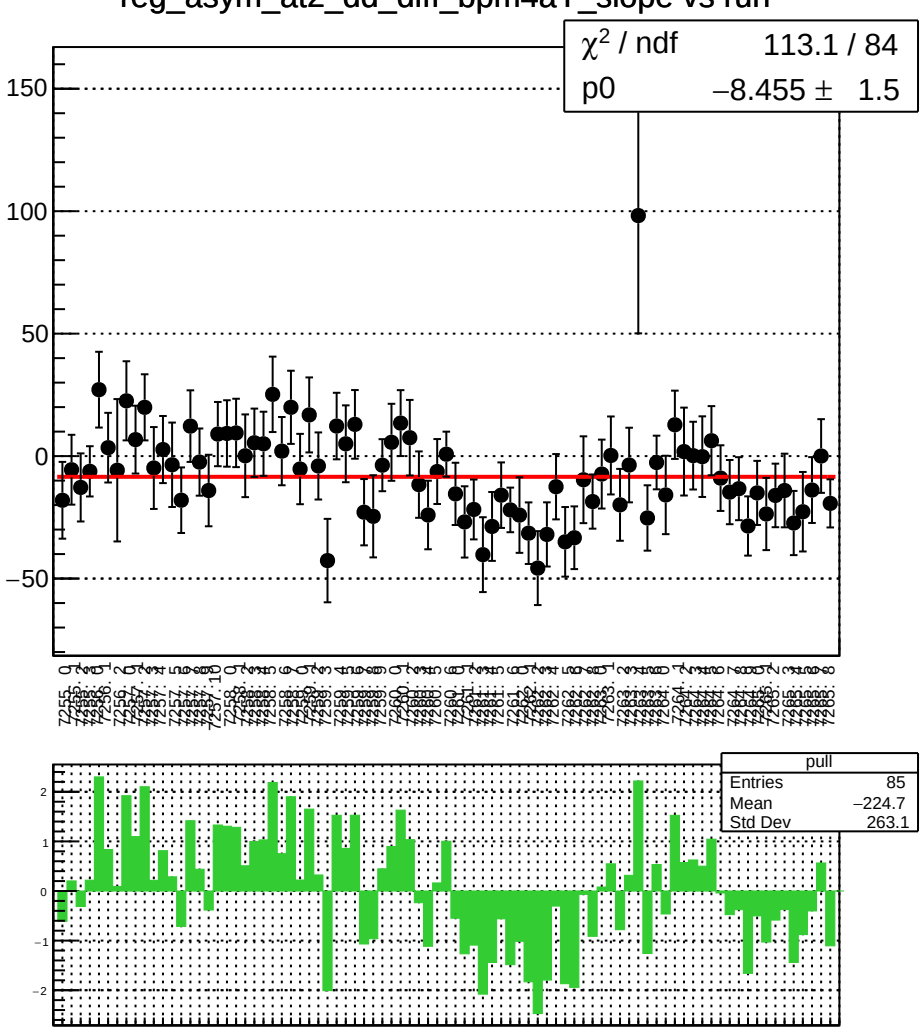

pull1D
Entries 85
Mean −0.009355
Std Dev 0.5913

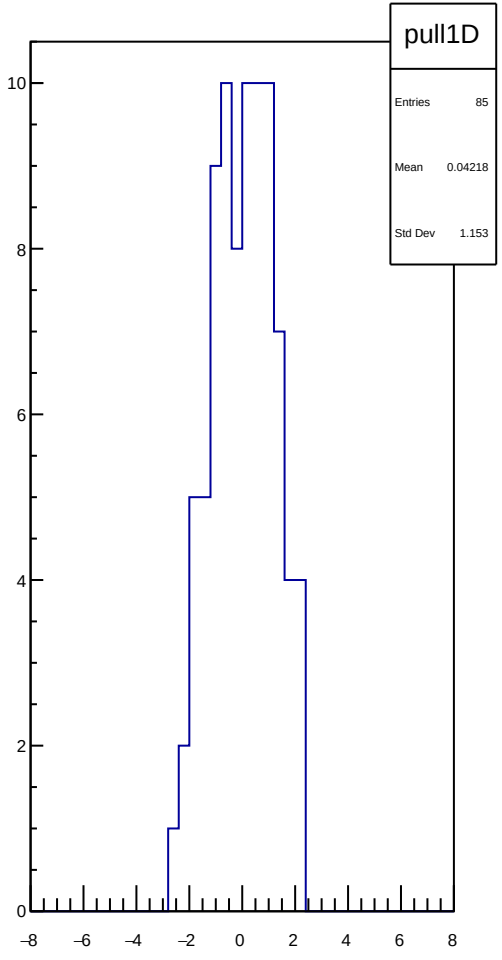

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 70.69 / 84
p0 −243.5 ± 0.3451
pull
Entries 85
Mean 4398
Std Dev 4354

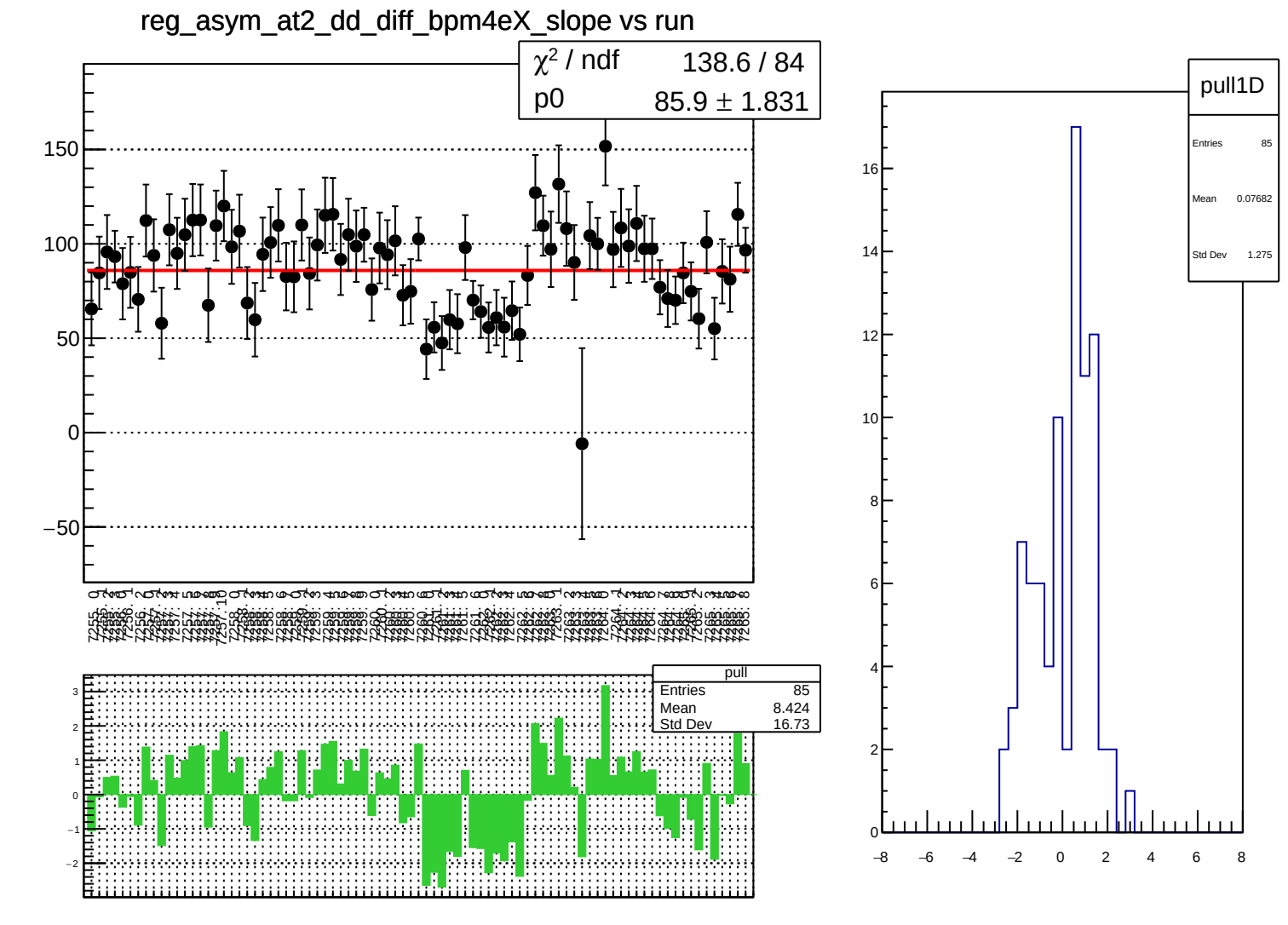

pull1D
Entries 85
Mean 0.003971
Std Dev 0.912

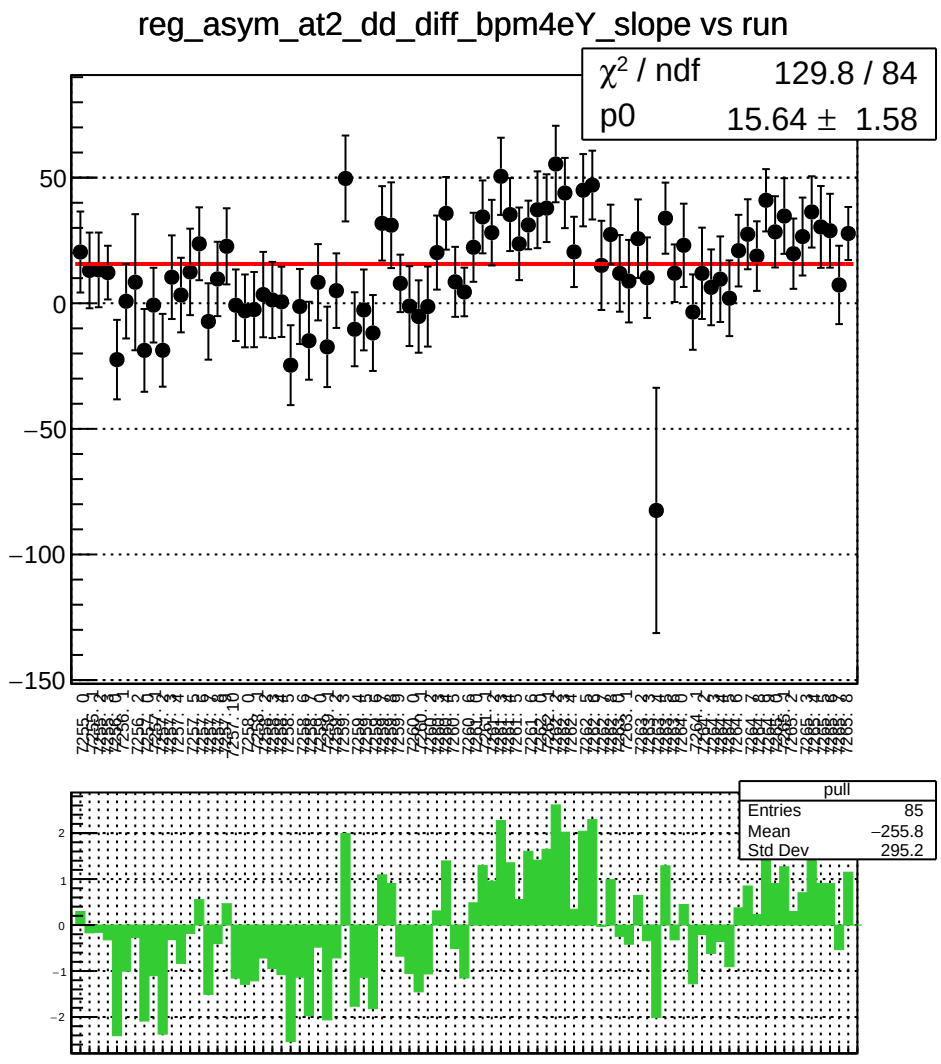

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 138.8 / 84
p0 −10.81 ± 1.688
100
50
0
−50
−100
pull
Entries 85
Mean 10.19
Std Dev 20.47
3
2
1
0
−1
−2
−3

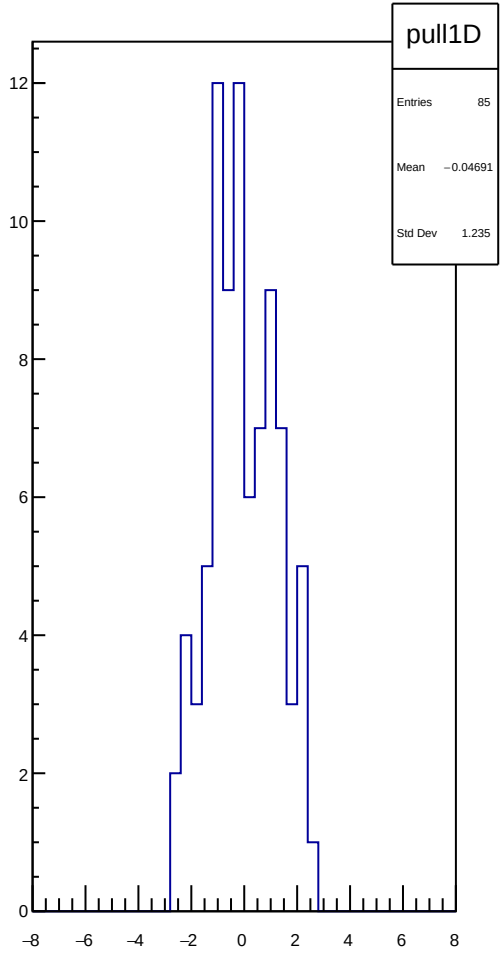

pull1D
Entries 85
Mean −0.0705
Std Dev 1.276
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

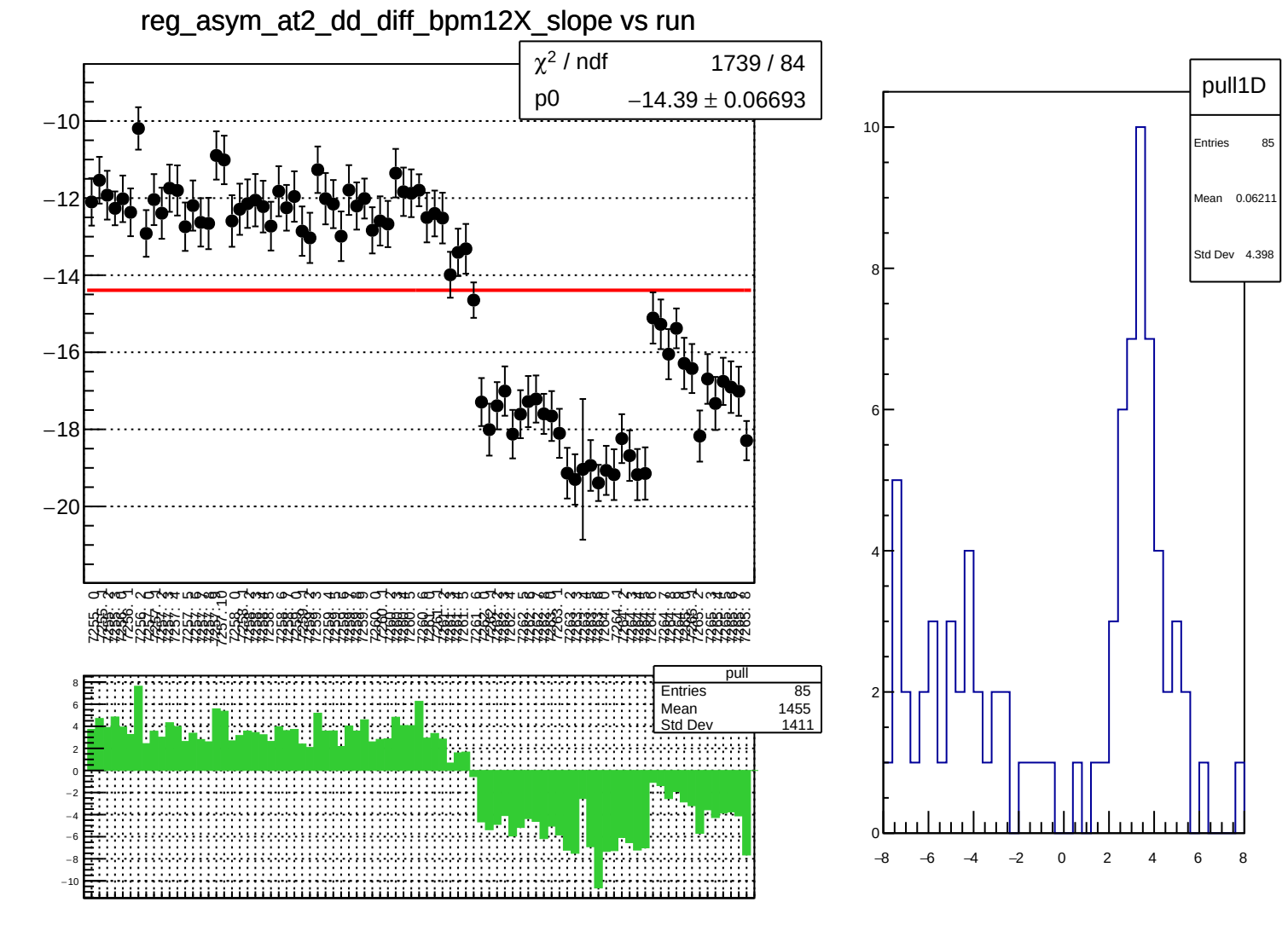

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 113.1 / 84
p0 −8.455 ± 1.5
150
100
50
0
−50
pull
Entries 85
Mean −224.7
Std Dev 263.1
2
1
0
−1
−2

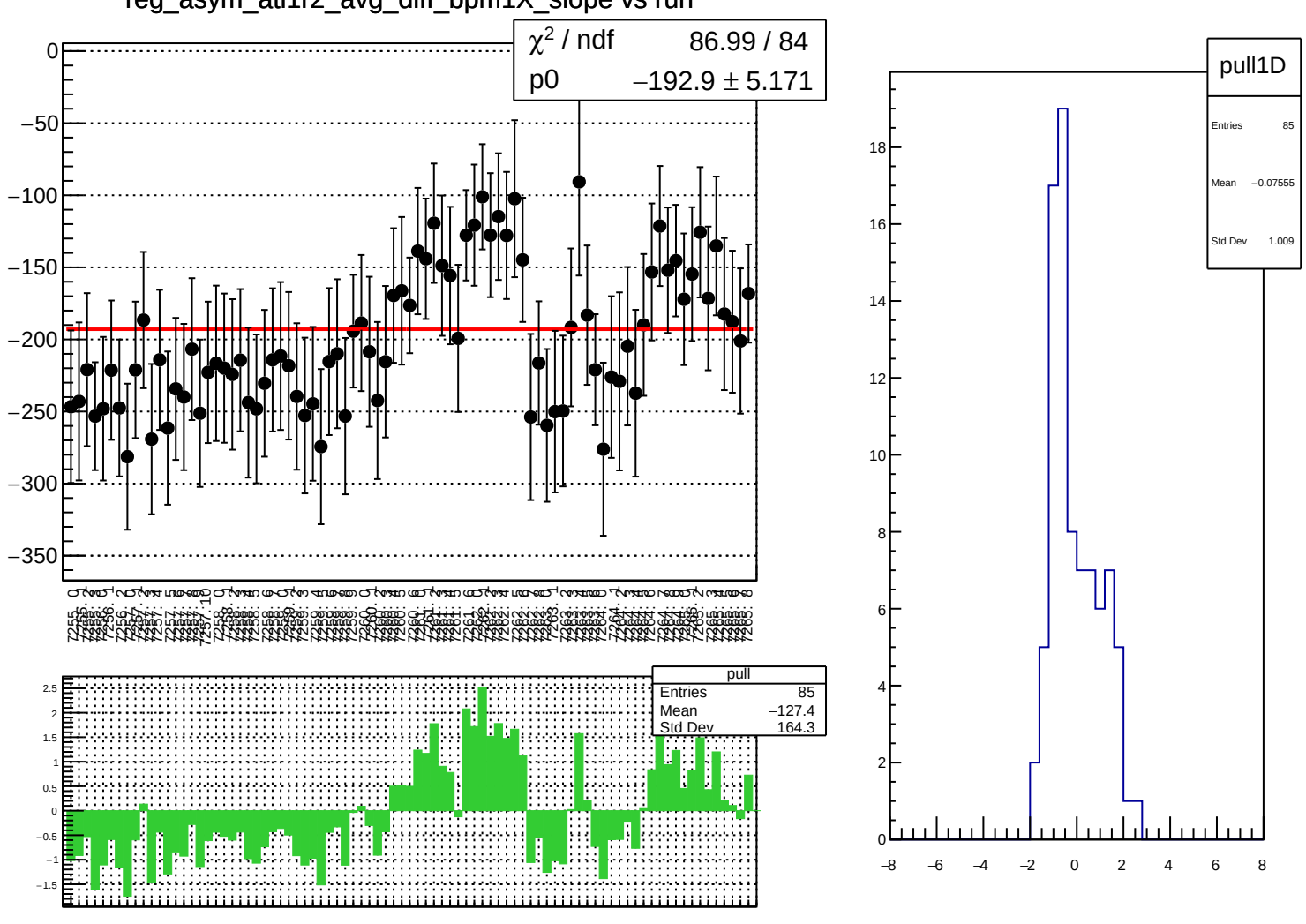

pull1D
Entries 85
Mean 0.04218
Std Dev 1.153
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

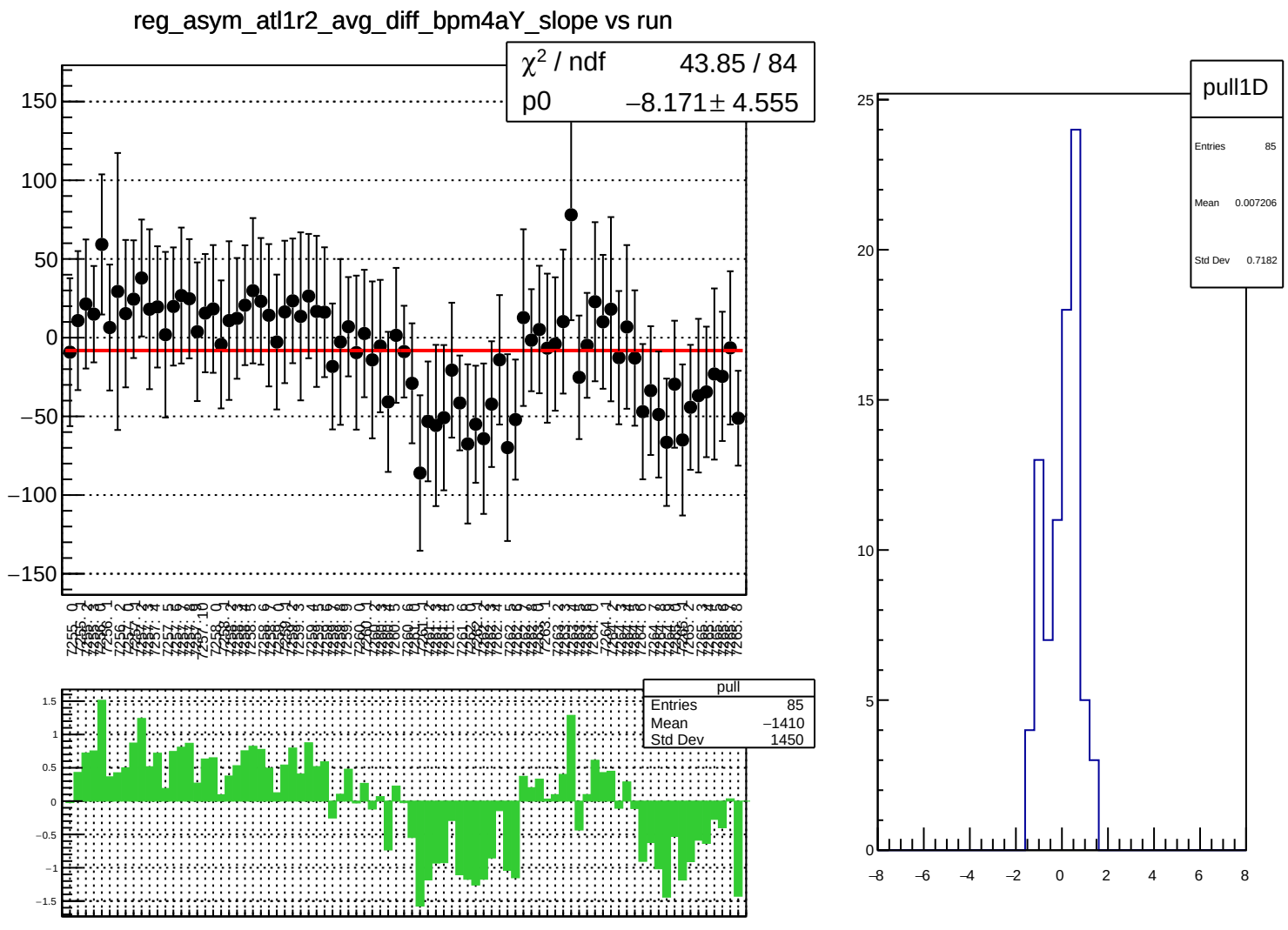

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 138.6 / 84
p0 85.9 ± 1.831
150
100
50
0
−50
pull
Entries 85
Mean 8.424
Std Dev 16.73
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.07682
Std Dev 1.275
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

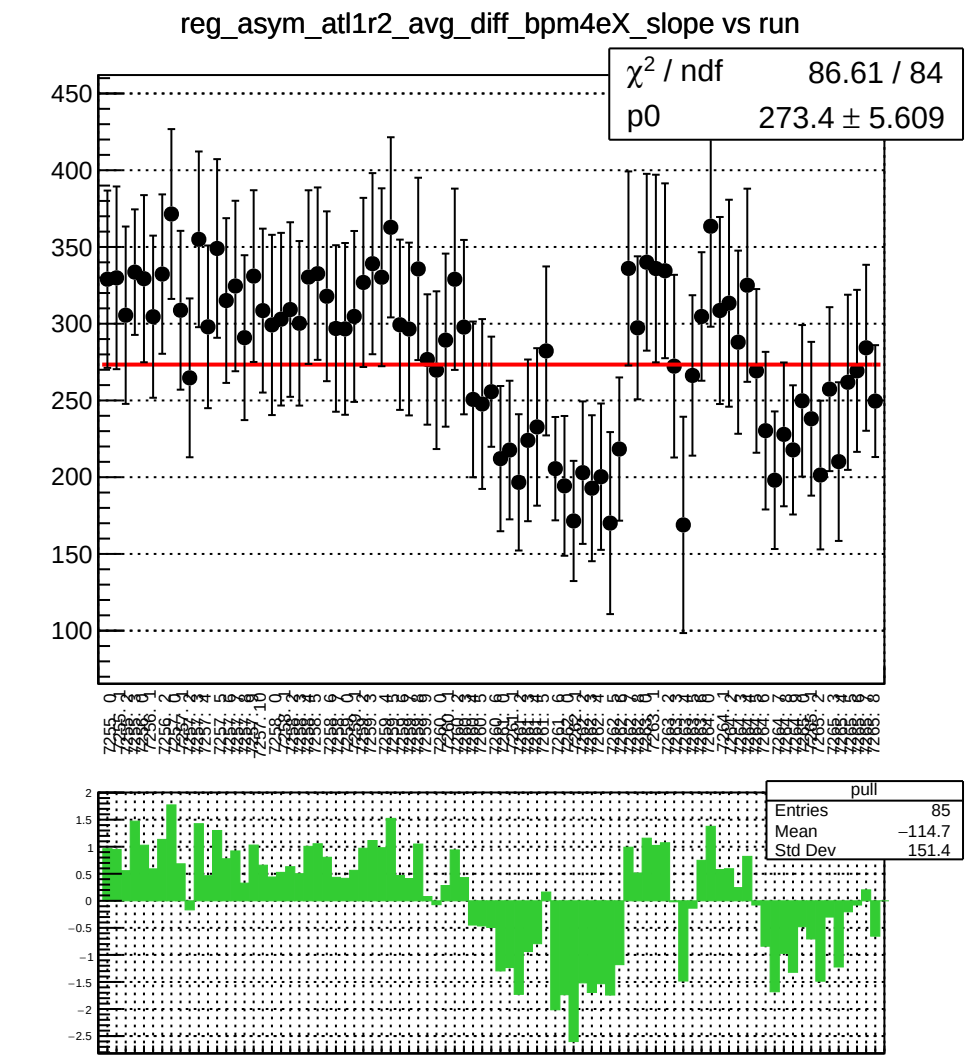

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 129.8 / 84
p0 15.64 ± 1.58
50
0
−50
−100
−150
pull
Entries 85
Mean −255.8
Std Dev 295.2
2
1
0
−1
−2

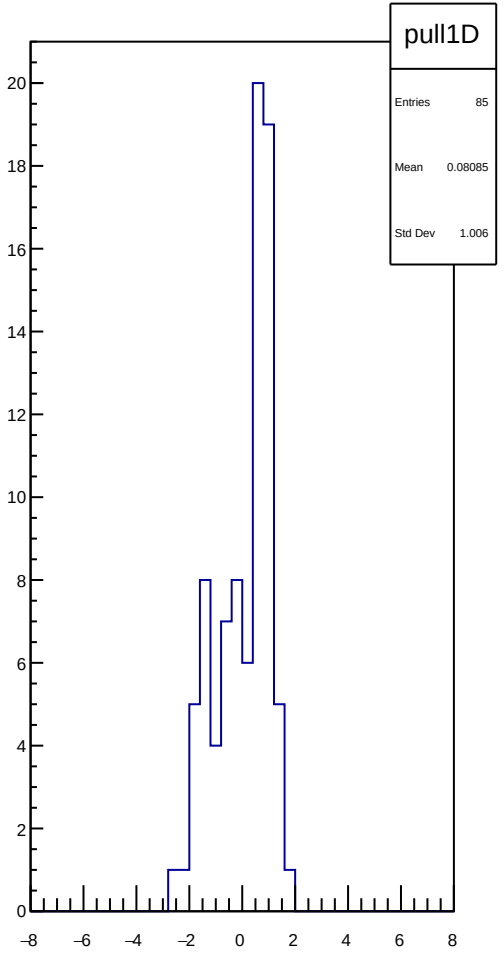

pull1D
Entries 85
Mean −0.04691
Std Dev 1.235
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

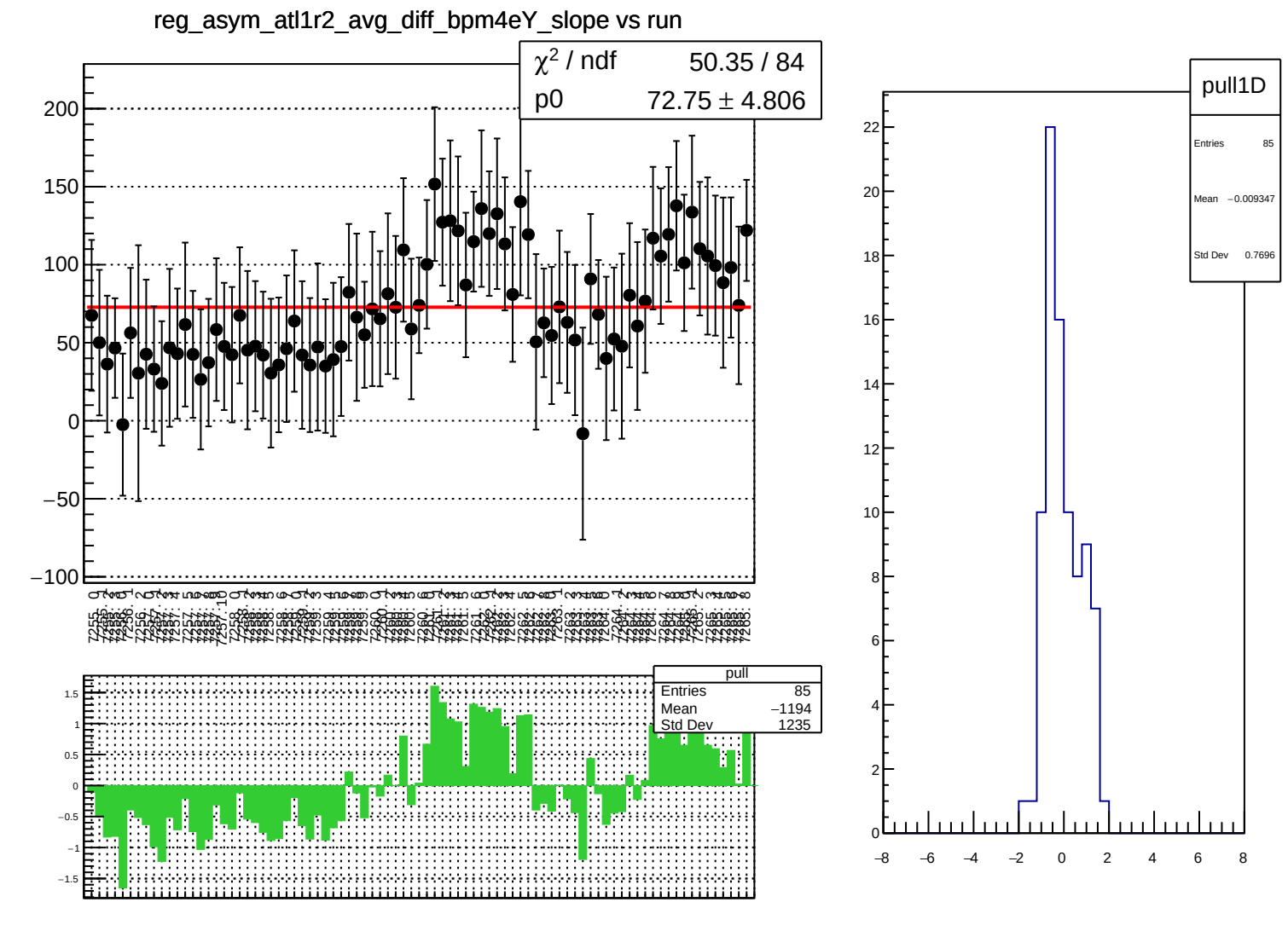

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 1739 / 84
p0 −14.39 ± 0.06693
pull
Entries 85
Mean 1455
Std Dev 1411
pull1D
Entries 85
Mean 0.06211
Std Dev 4.398

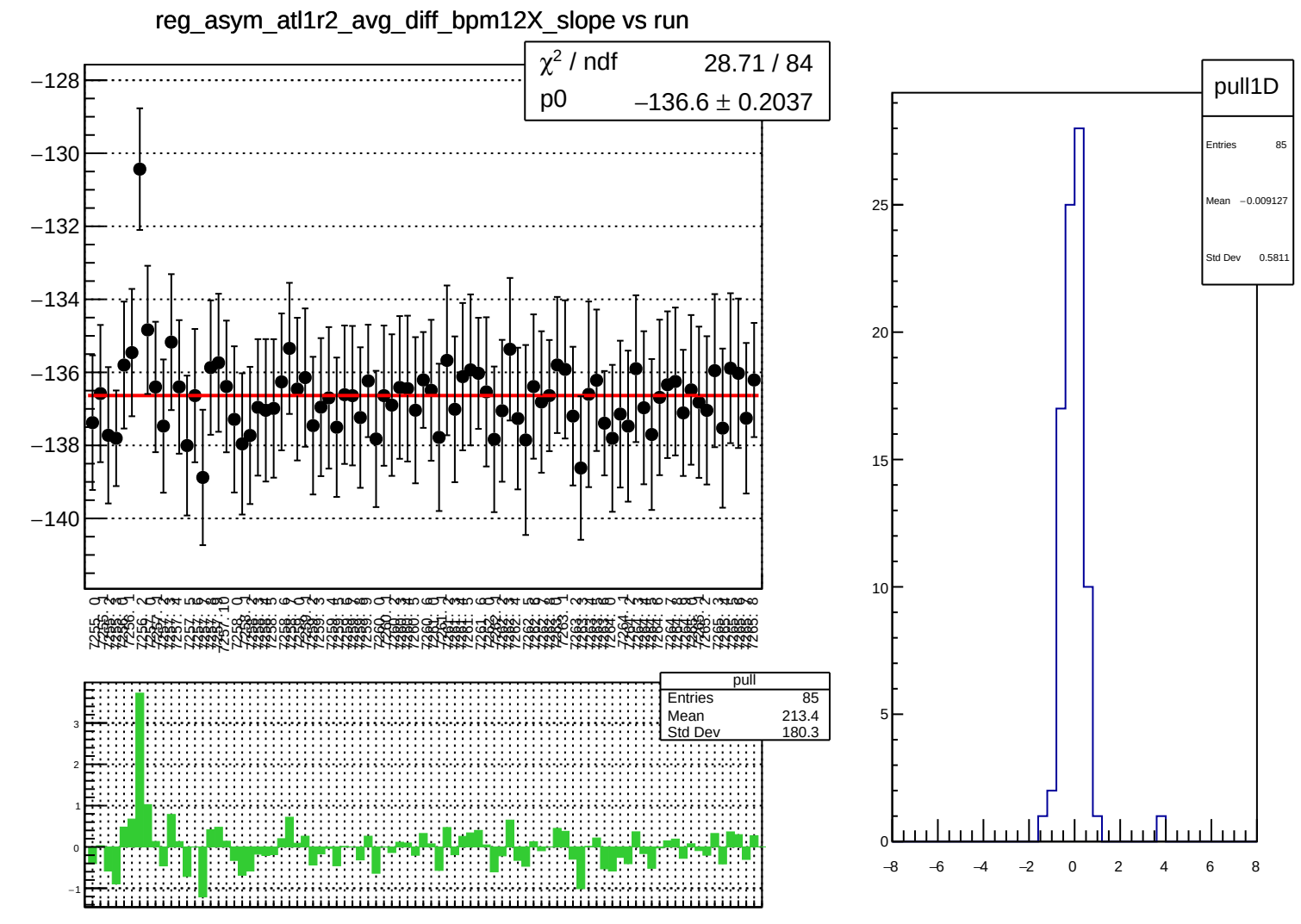

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 86.99 / 84
p0 −192.9 ± 5.171
pull
Entries 85
Mean −127.4
Std Dev 164.3
pull1D
Entries 85
Mean −0.07555
Std Dev 1.009

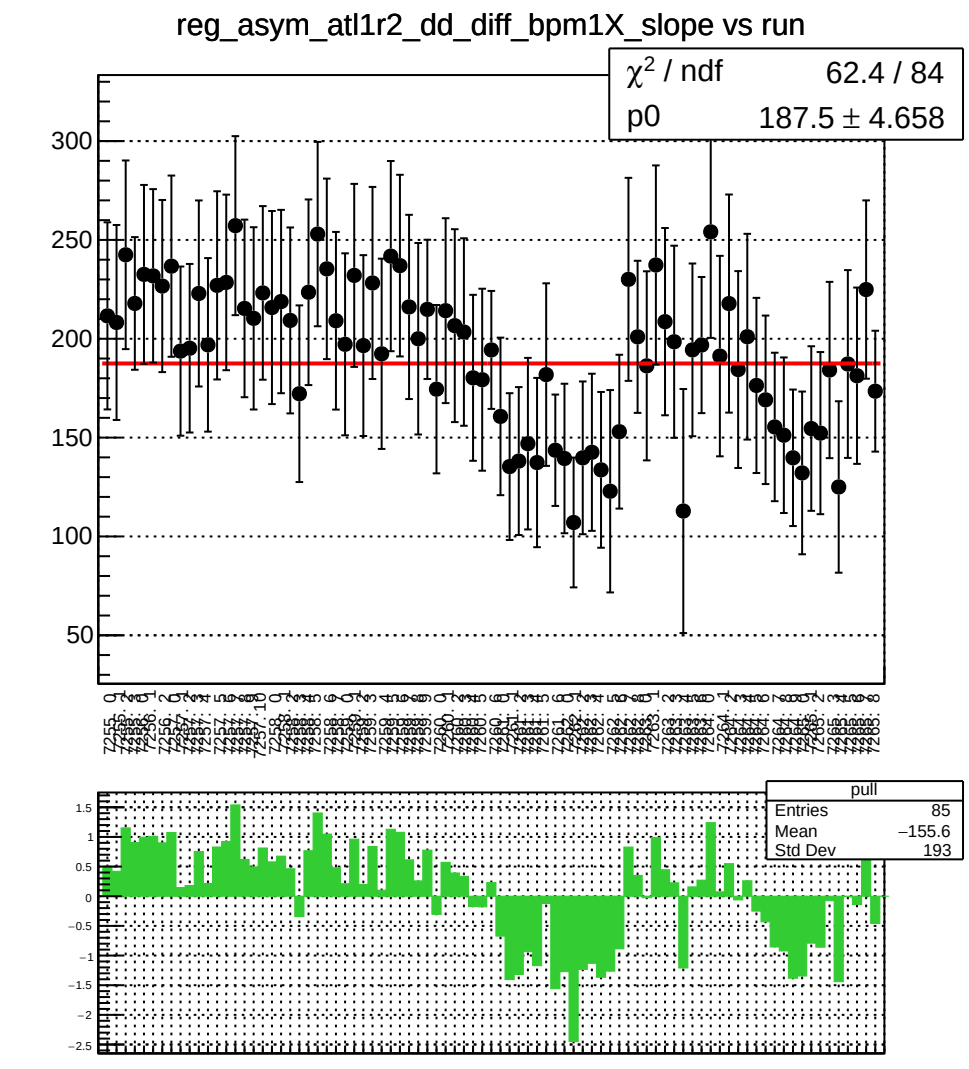

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.85 / 84
p0 −8.171 ± 4.555
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −1410
Std Dev 1450
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean 0.007206
Std Dev 0.7182
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

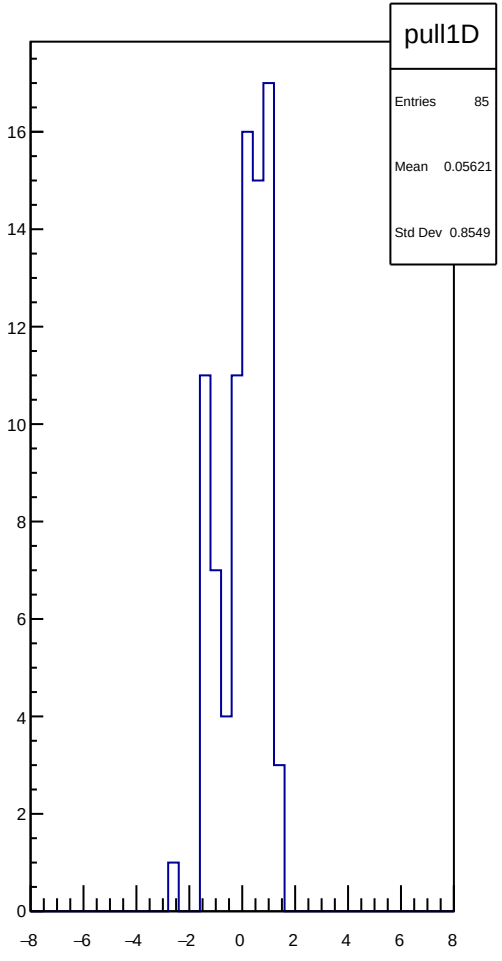

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 86.61 / 84
p0 273.4 ± 5.609
pull
Entries 85
Mean −114.7
Std Dev 151.4

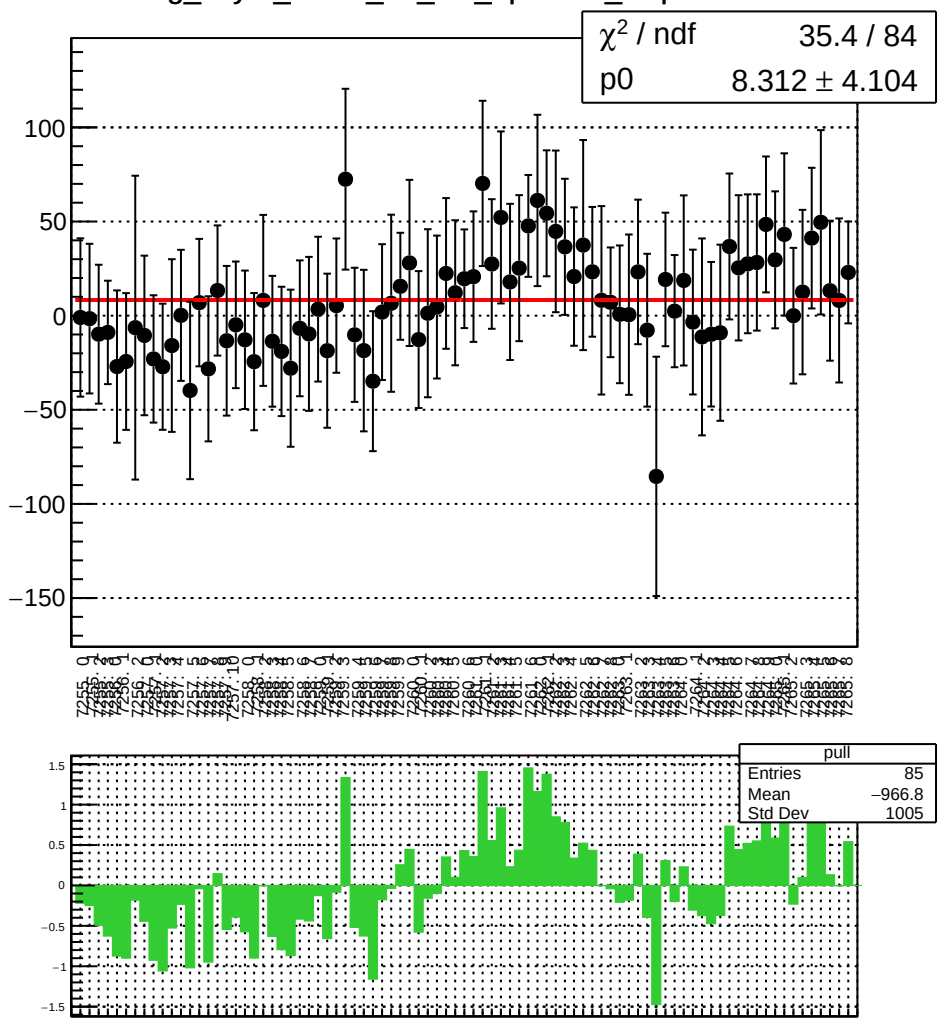

pull1D
Entries 85
Mean 0.08085
Std Dev 1.006

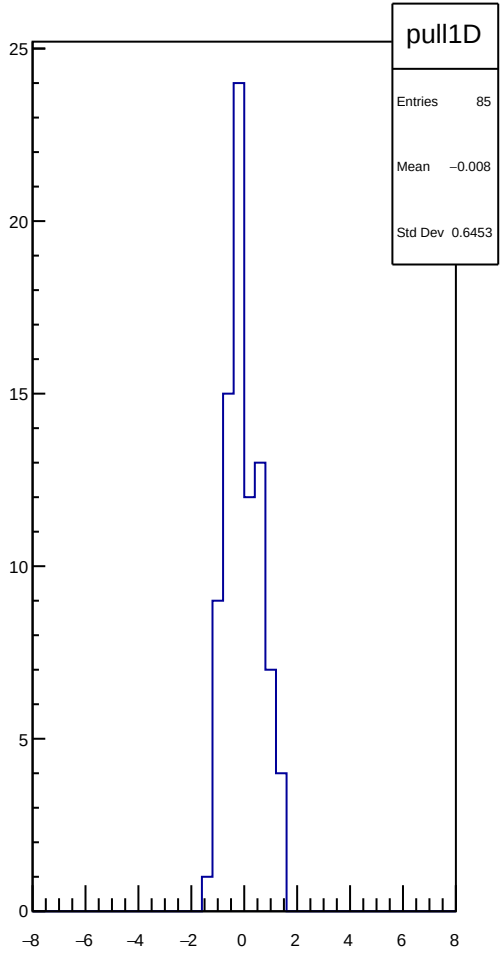

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.35 / 84
p0 72.75 ± 4.806
pull
Entries 85
Mean −1194
Std Dev 1235
pull1D
Entries 85
Mean −0.009347
Std Dev 0.7696

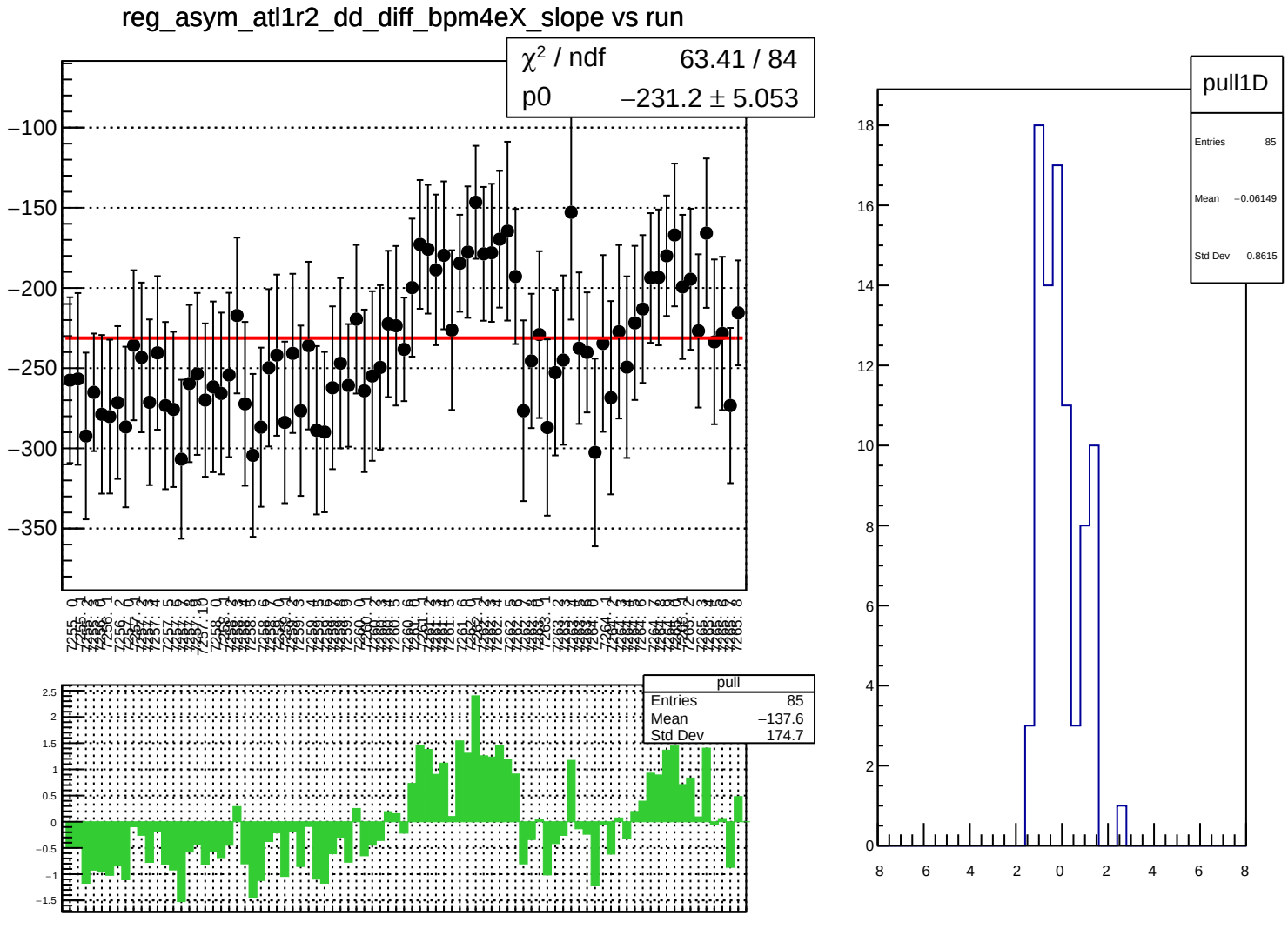

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 28.71 / 84
p0 −136.6 ± 0.2037
pull
Entries 85
Mean 213.4
Std Dev 180.3
pull1D
Entries 85
Mean −0.009127
Std Dev 0.5811

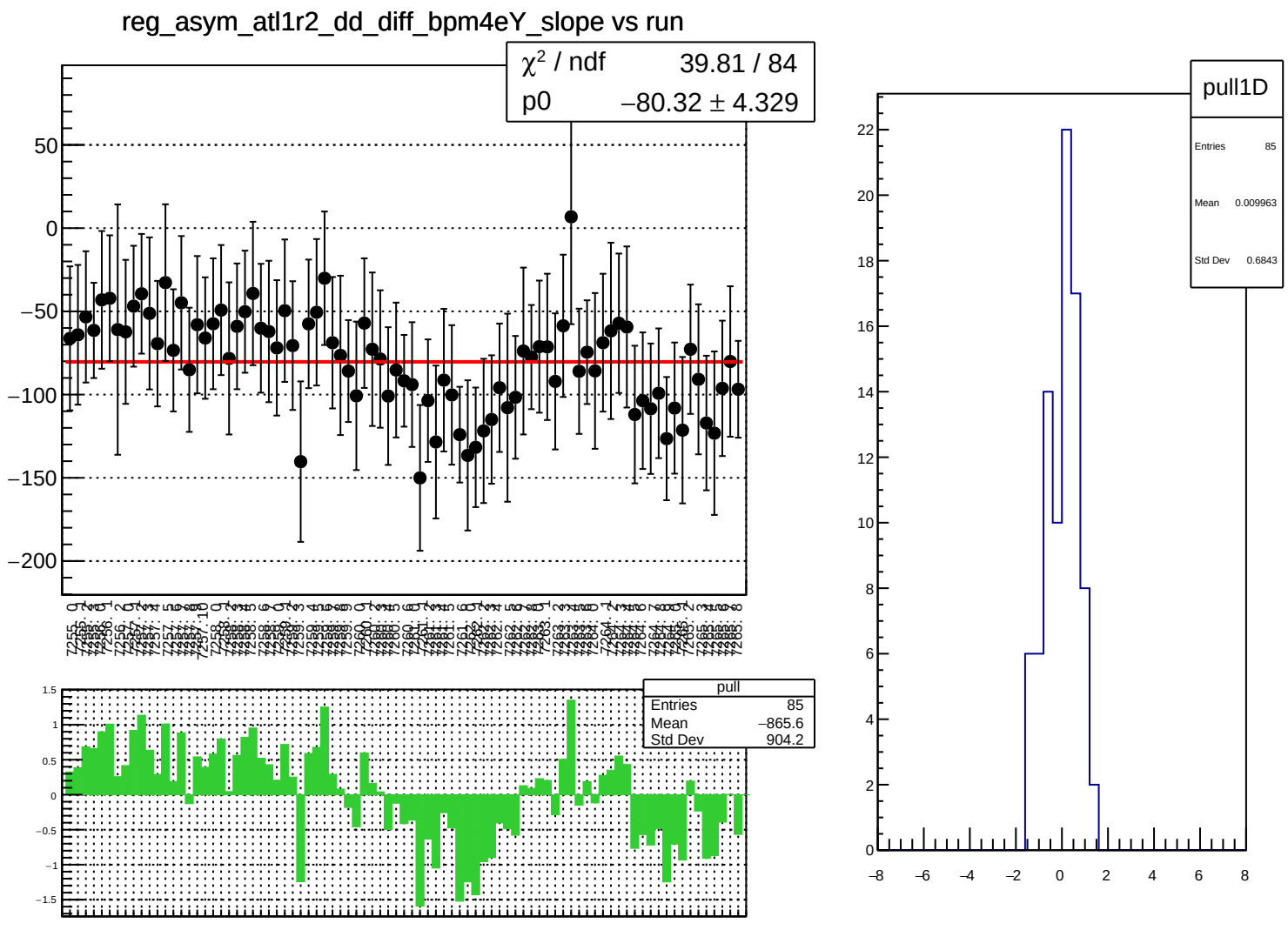

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 62.4 / 84
p0 187.5 ± 4.658
pull
Entries 85
Mean −155.6
Std Dev 193

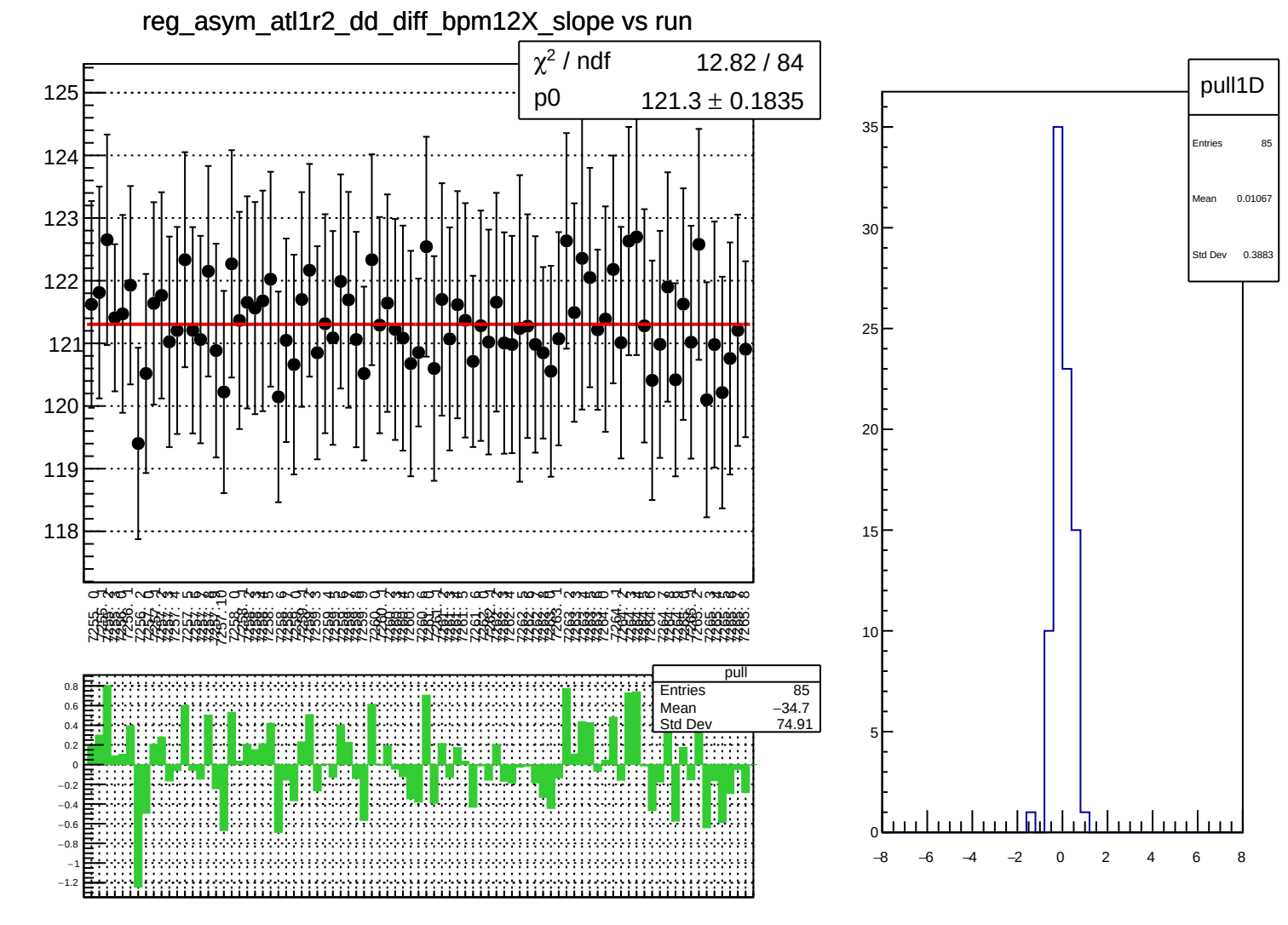

pull1D
Entries 85
Mean 0.05621
Std Dev 0.8549

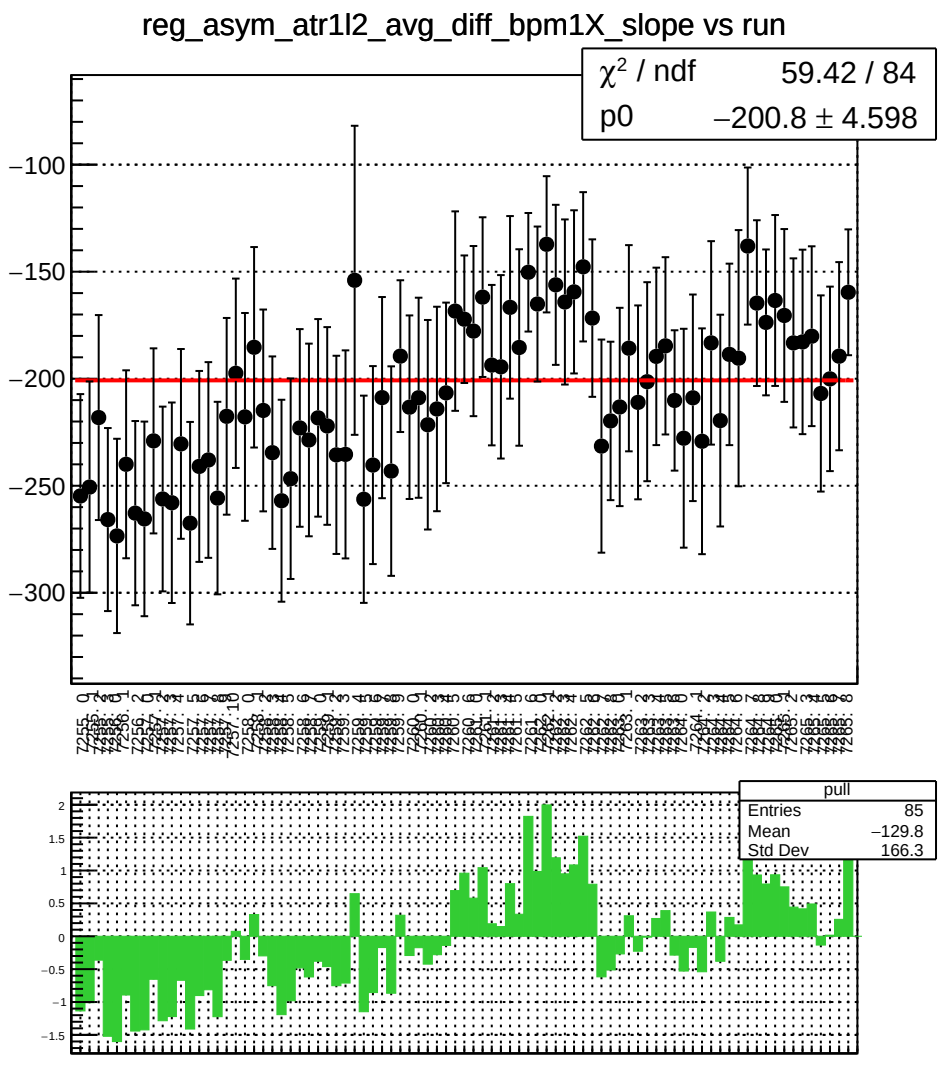

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.4 / 84
p0 8.312 ± 4.104
pull
Entries 85
Mean −966.8
Std Dev 1005

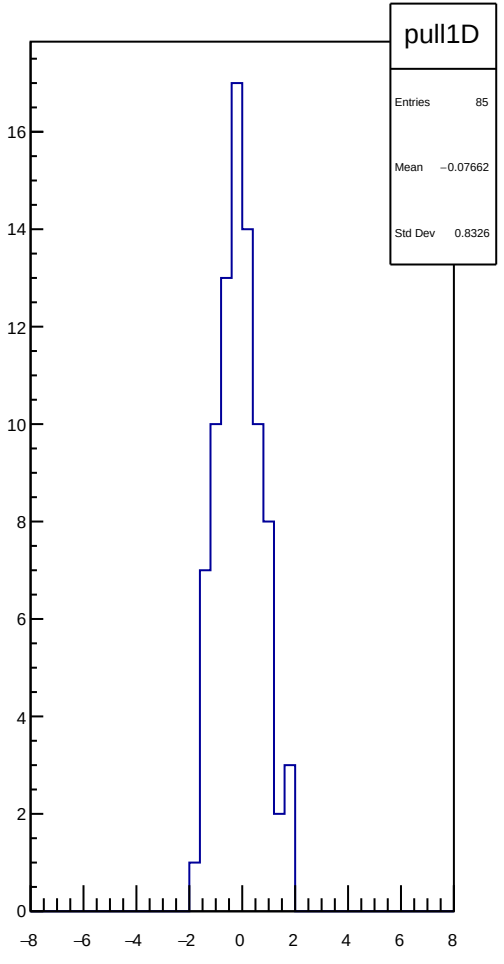

pull1D
Entries 85
Mean −0.008
Std Dev 0.6453

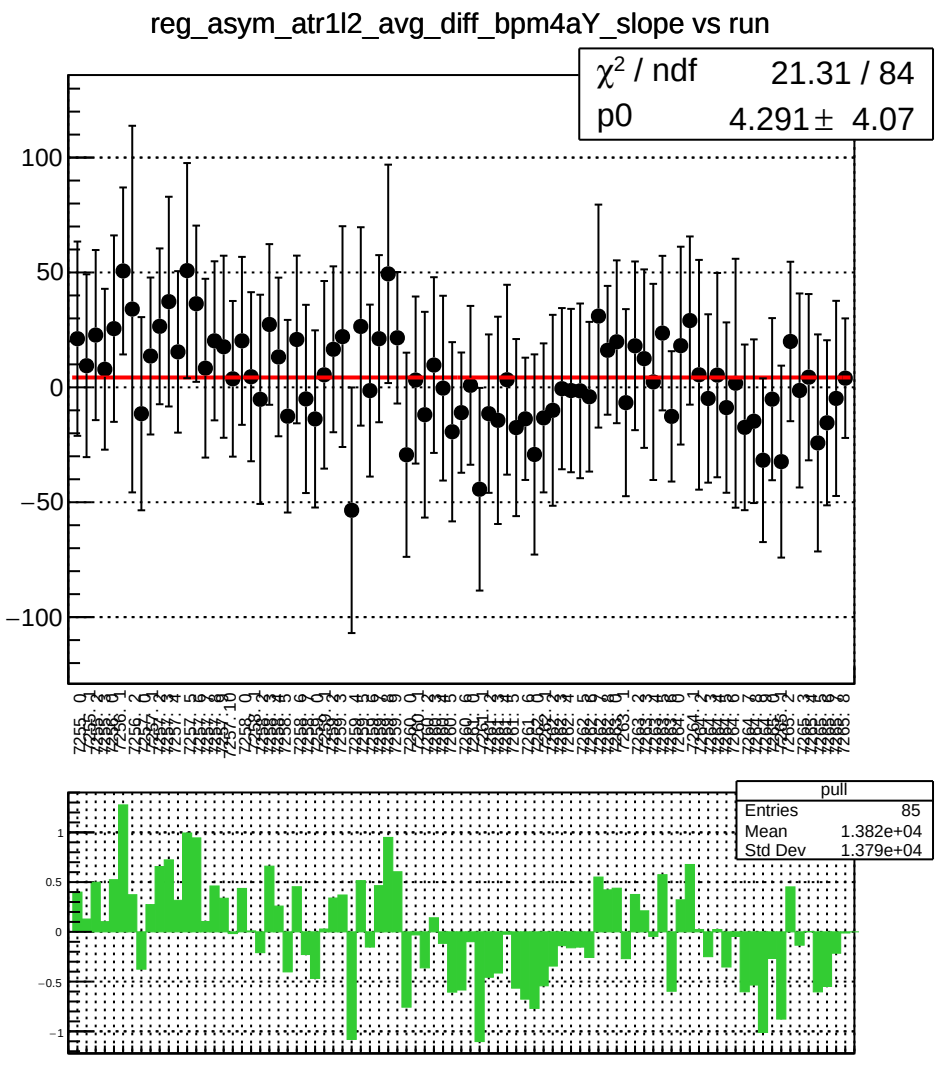

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 63.41 / 84
p0 −231.2 ± 5.053
−100
−150
−200
−250
−300
−350
pull
Entries 85
Mean −137.6
Std Dev 174.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean −0.06149
Std Dev 0.8615
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

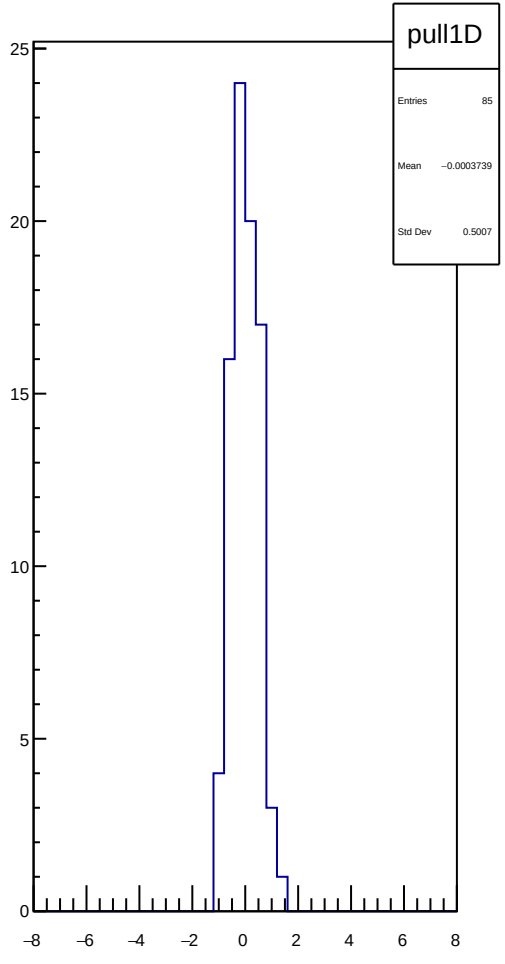

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 39.81 / 84
p0 −80.32 ± 4.329
pull
Entries 85
Mean −865.6
Std Dev 904.2
pull1D
Entries 85
Mean 0.009963
Std Dev 0.6843

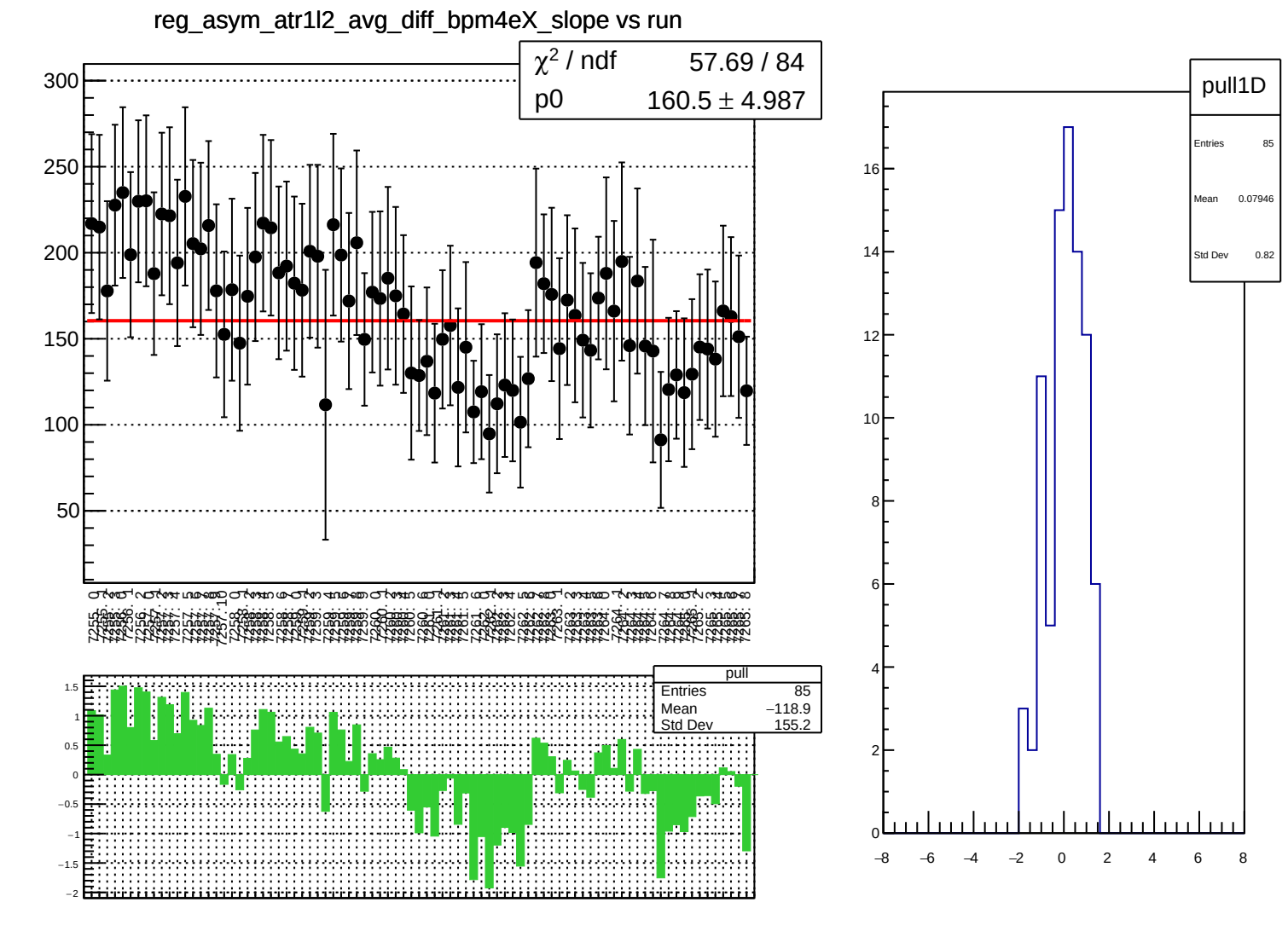

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 12.82 / 84
p0 121.3 ± 0.1835
pull
Entries 85
Mean −34.7
Std Dev 74.91
pull1D
Entries 85
Mean 0.01067
Std Dev 0.3883

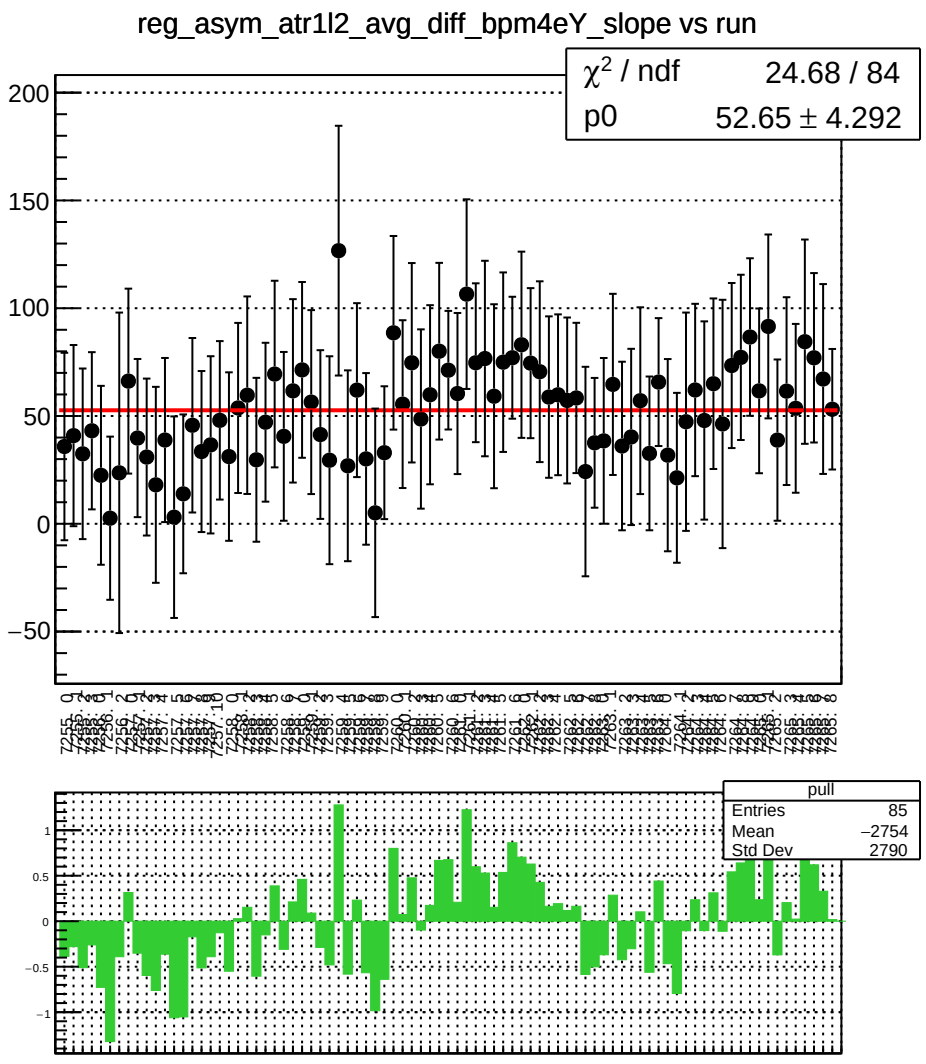

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 59.42 / 84
p0 −200.8 ± 4.598
−100
−150
−200
−250
−300
pull
Entries 85
Mean −129.8
Std Dev 166.3
2
1.5
1
0.5
0
−0.5
−1
−1.5

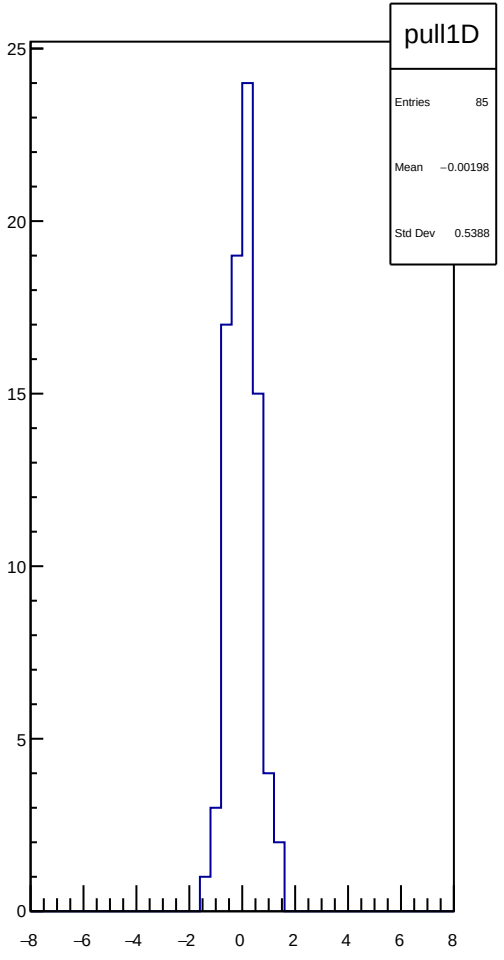

pull1D
Entries 85
Mean −0.07662
Std Dev 0.8326
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

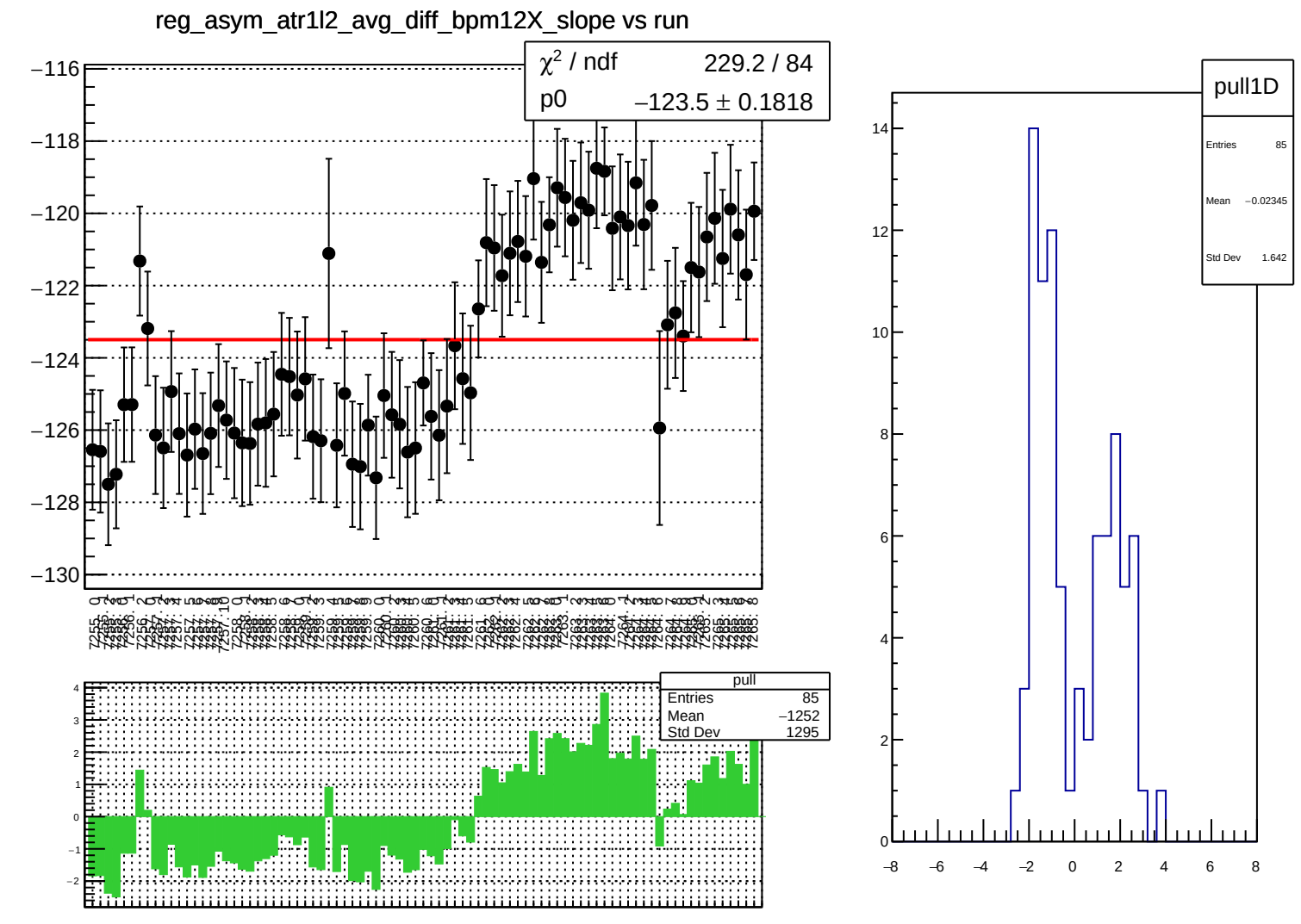

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.31 / 84
p0 4.291 ± 4.07
100
50
0
−50
−100
pull
Entries 85
Mean 1.382e+04
Std Dev 1.379e+04
1
0.5
0
−0.5
−1

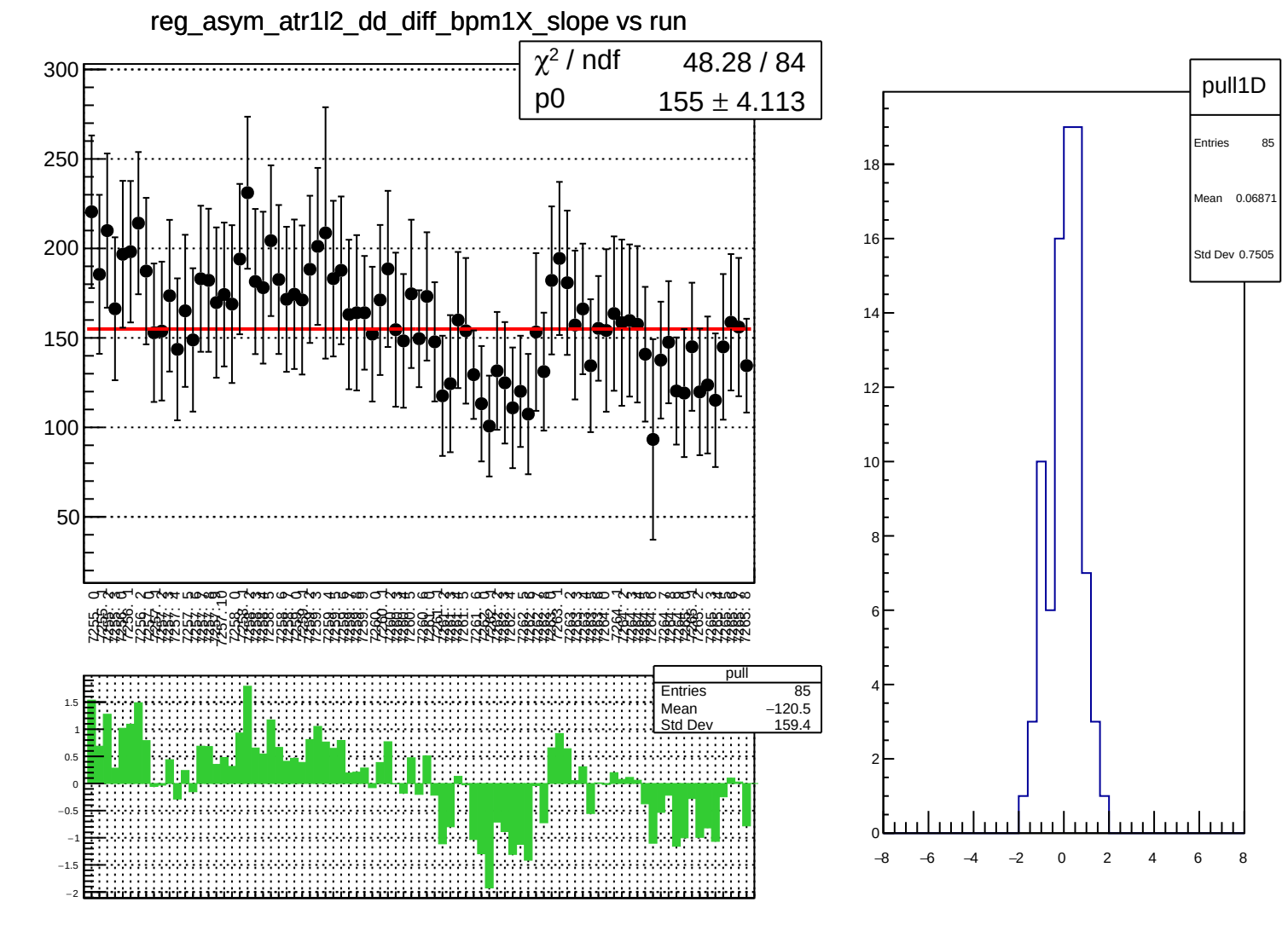

pull1D
Entries 85
Mean −0.0003739
Std Dev 0.5007
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

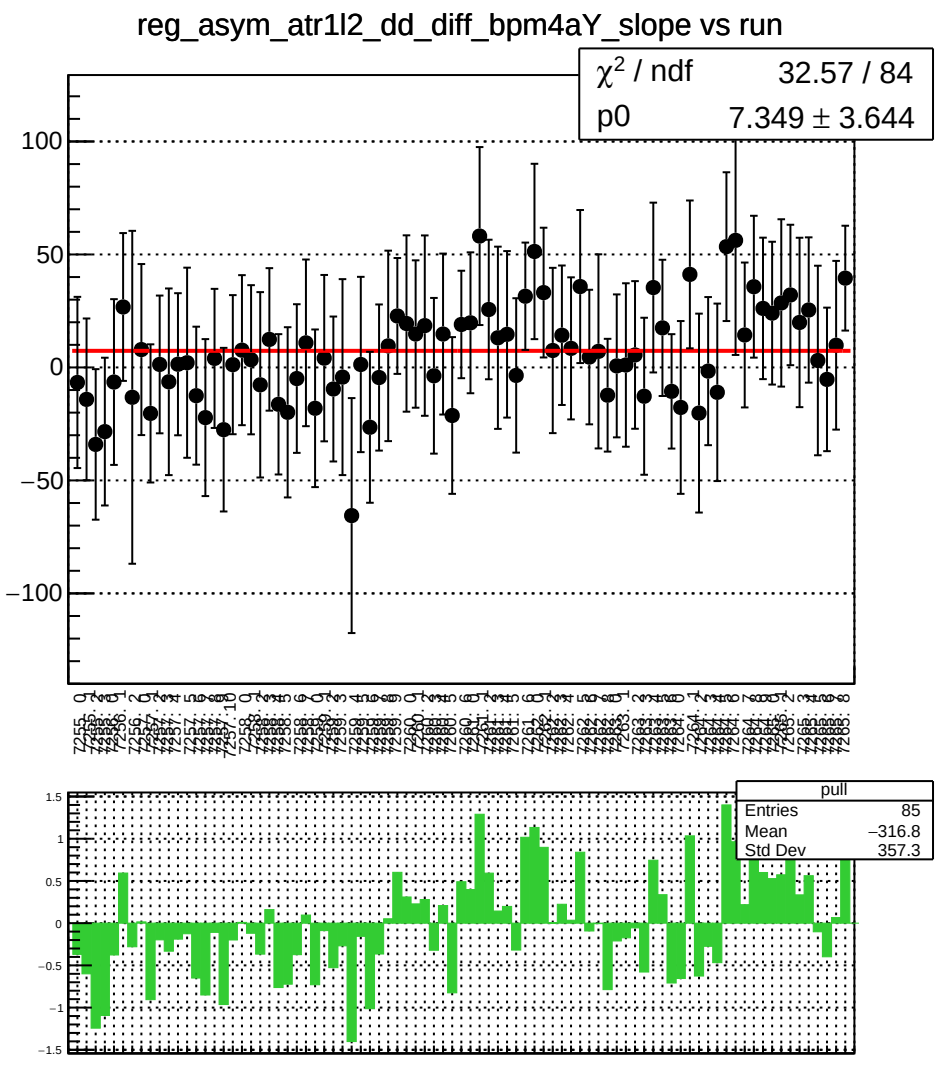

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.69 / 84
p0 160.5 ± 4.987
pull
Entries 85
Mean −118.9
Std Dev 155.2
pull1D
Entries 85
Mean 0.07946
Std Dev 0.82

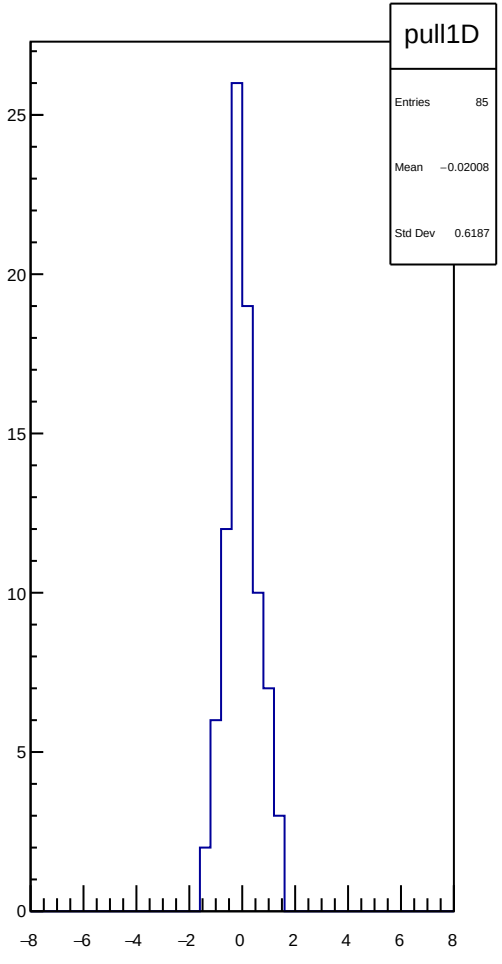

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.68 / 84
p0 52.65 ± 4.292
200
150
100
50
0
−50
pull
Entries 85
Mean −2754
Std Dev 2790
1
0.5
0
−0.5
−1

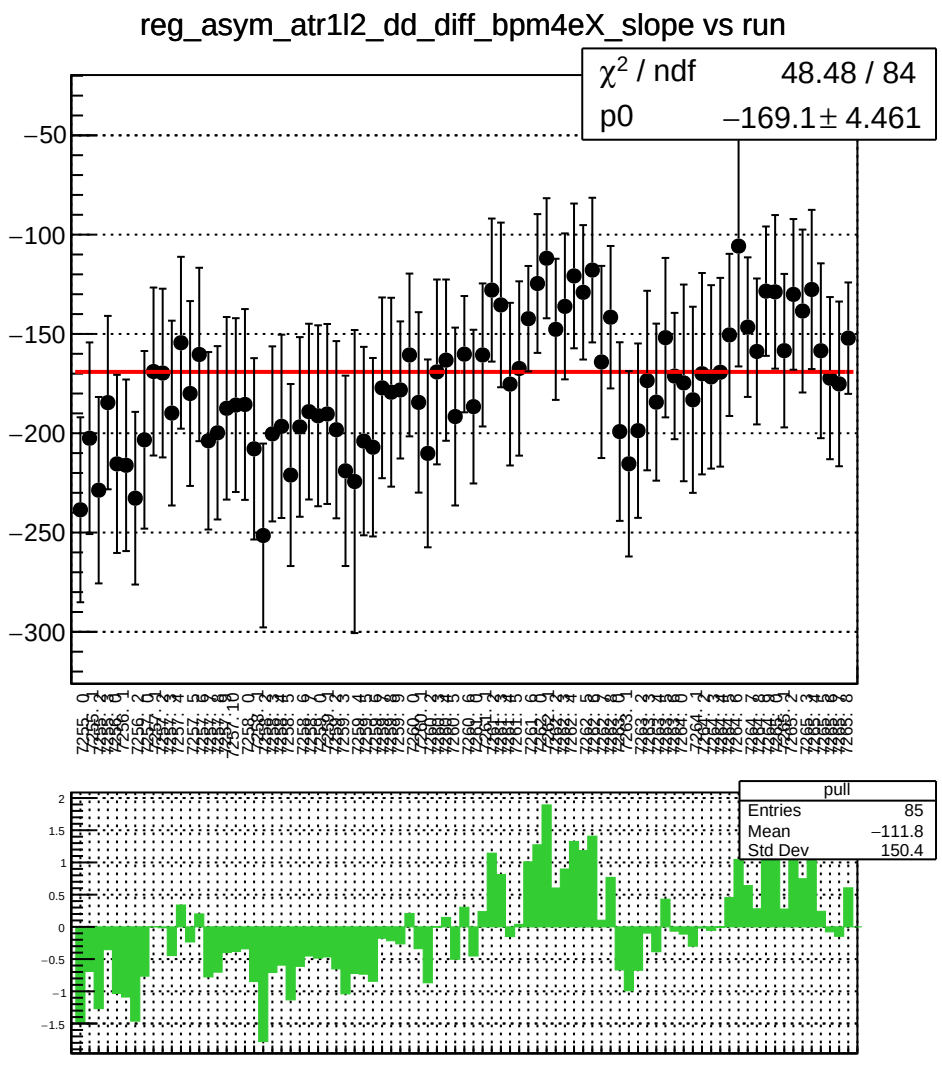

pull1D
Entries 85
Mean −0.00198
Std Dev 0.5388
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

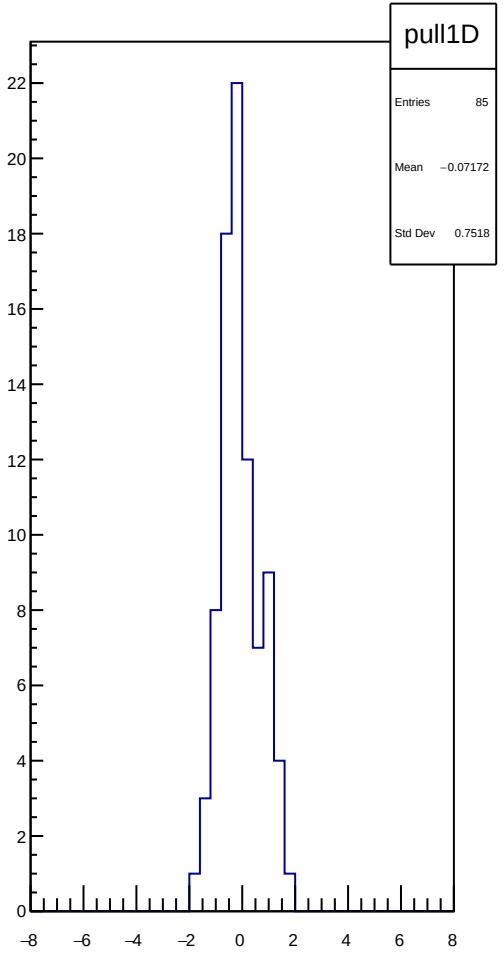

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 229.2 / 84
p0 −123.5 ± 0.1818
pull
Entries 85
Mean −1252
Std Dev 1295
pull1D
Entries 85
Mean −0.02345
Std Dev 1.642

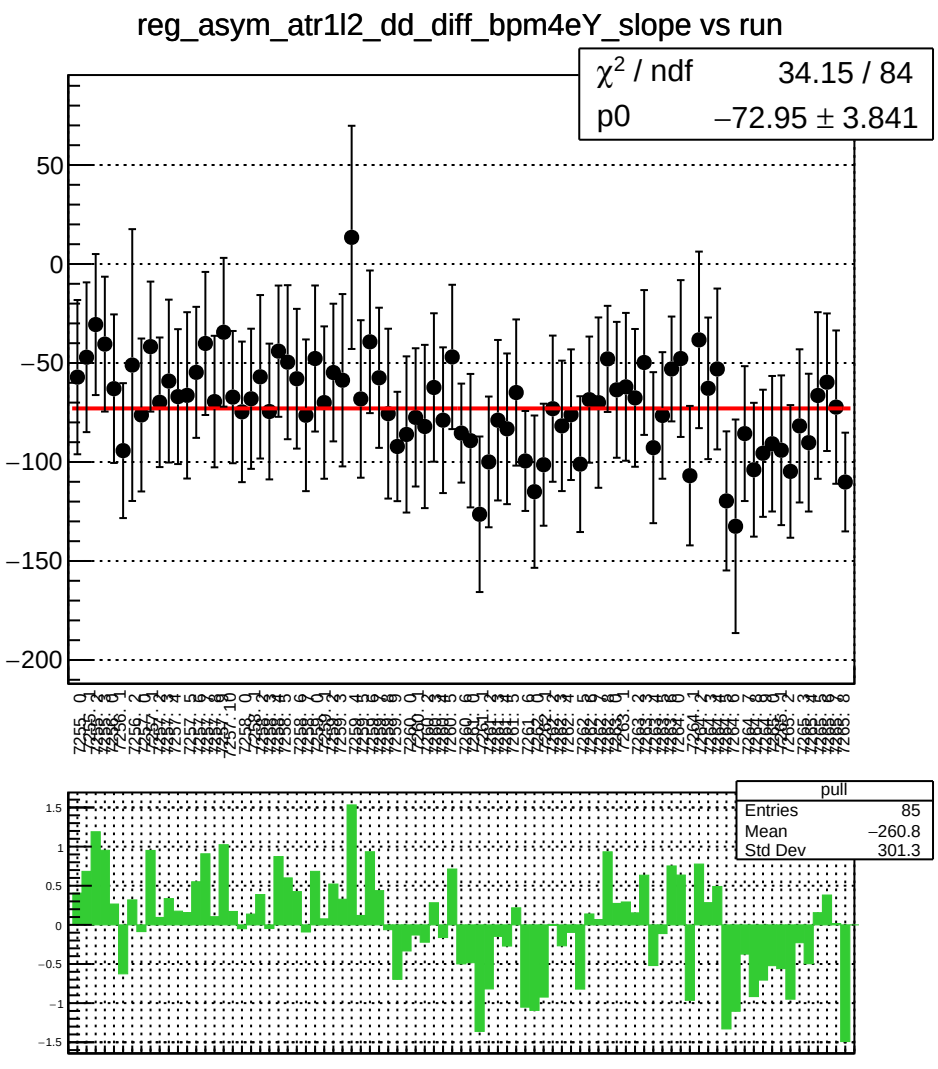

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 48.28 / 84
p0 155 ± 4.113
300
250
200
150
100
50
pull
Entries 85
Mean −120.5
Std Dev 159.4
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean 0.06871
Std Dev 0.7505
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

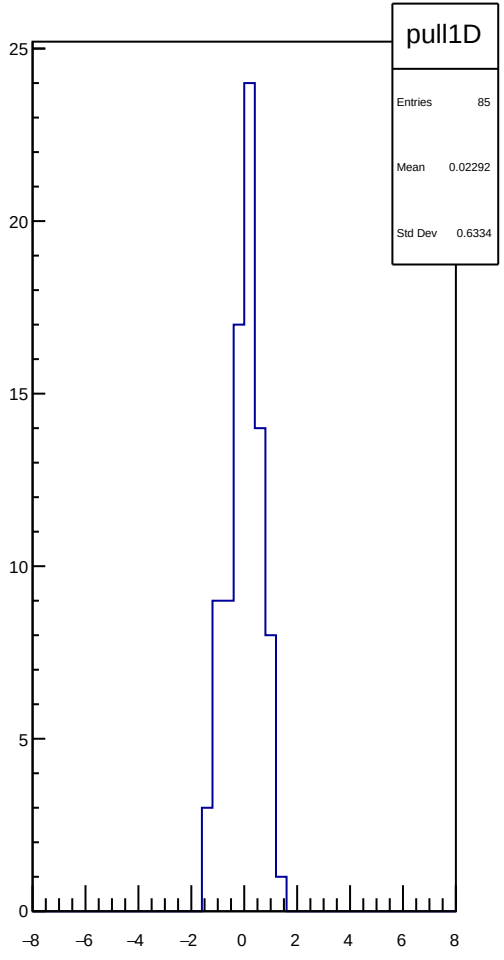

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.57 / 84
p0 7.349 ± 3.644
pull
Entries 85
Mean −316.8
Std Dev 357.3

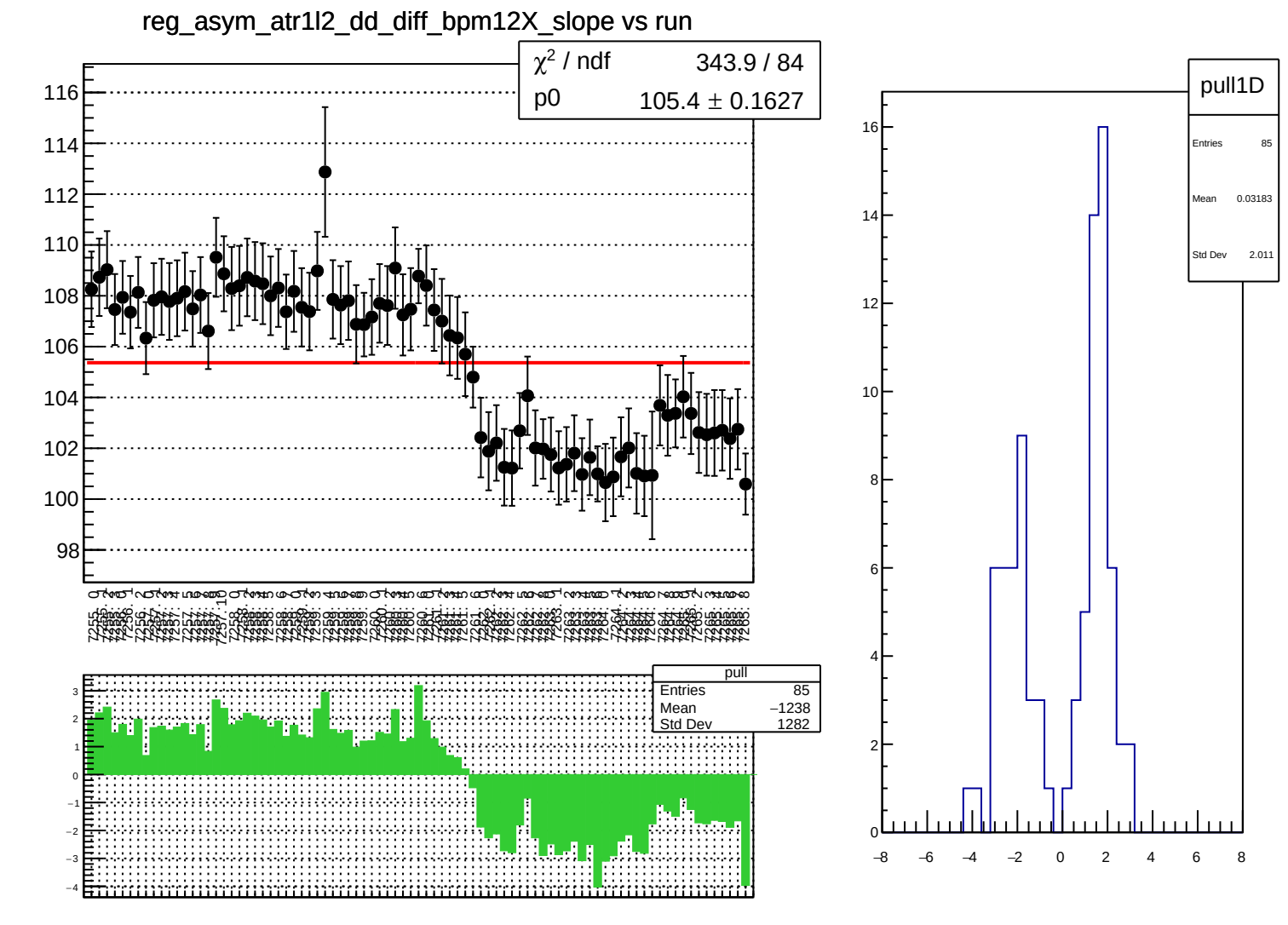

pull1D
Entries 85
Mean −0.02008
Std Dev 0.6187

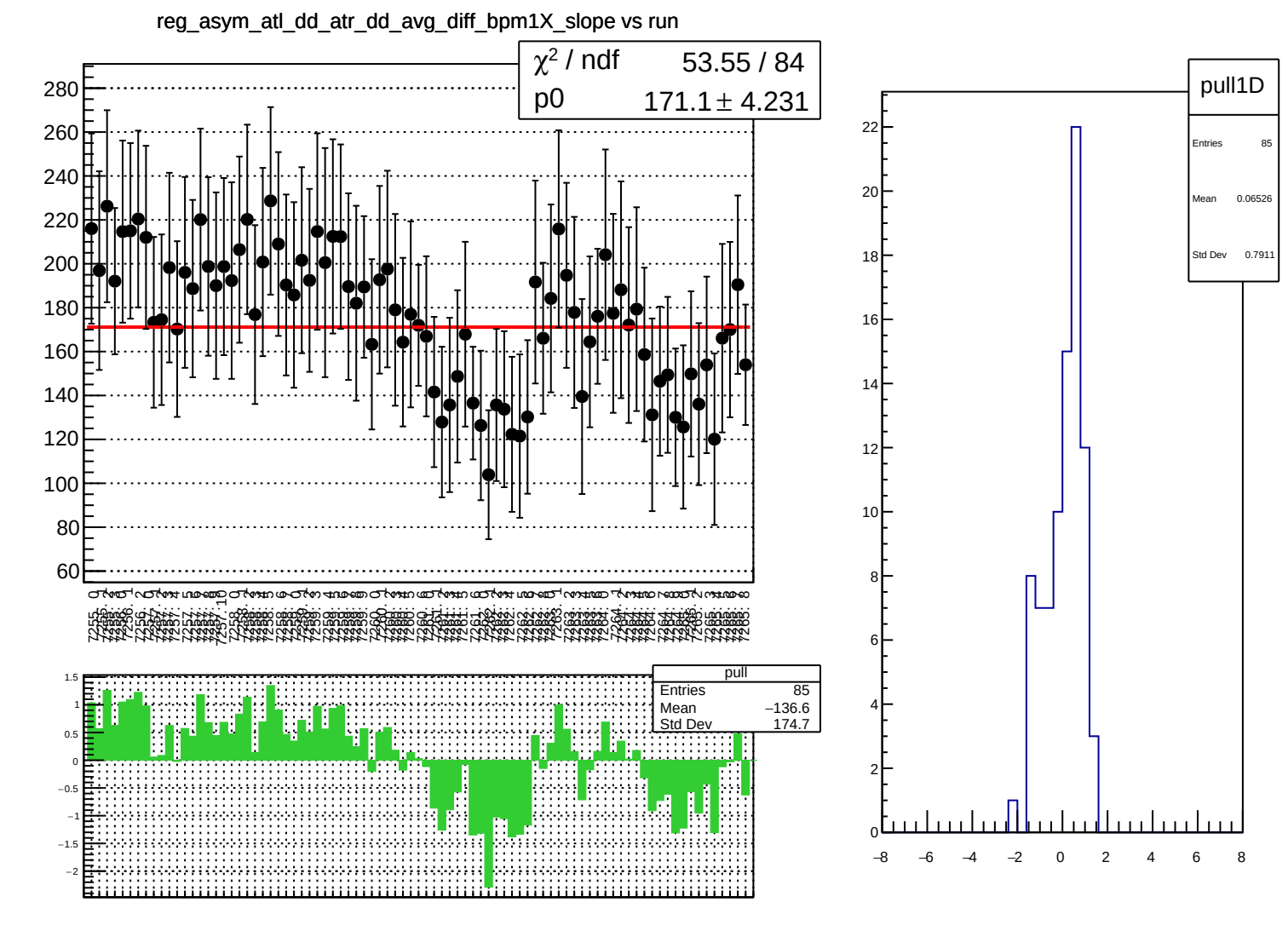

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.48 / 84
p0 −169.1 ± 4.461
pull
Entries 85
Mean −111.8
Std Dev 150.4

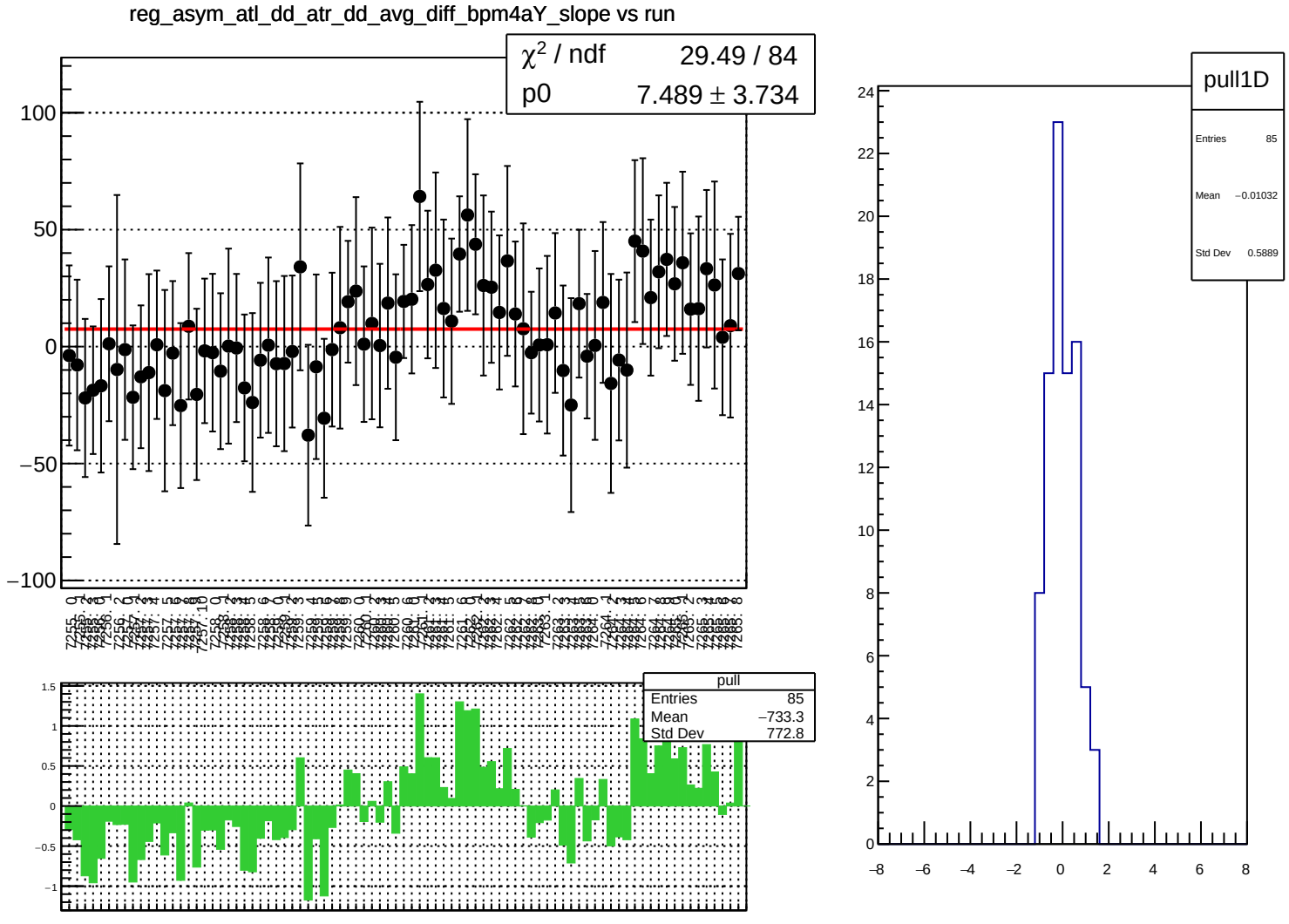

pull1D
Entries 85
Mean −0.07172
Std Dev 0.7518

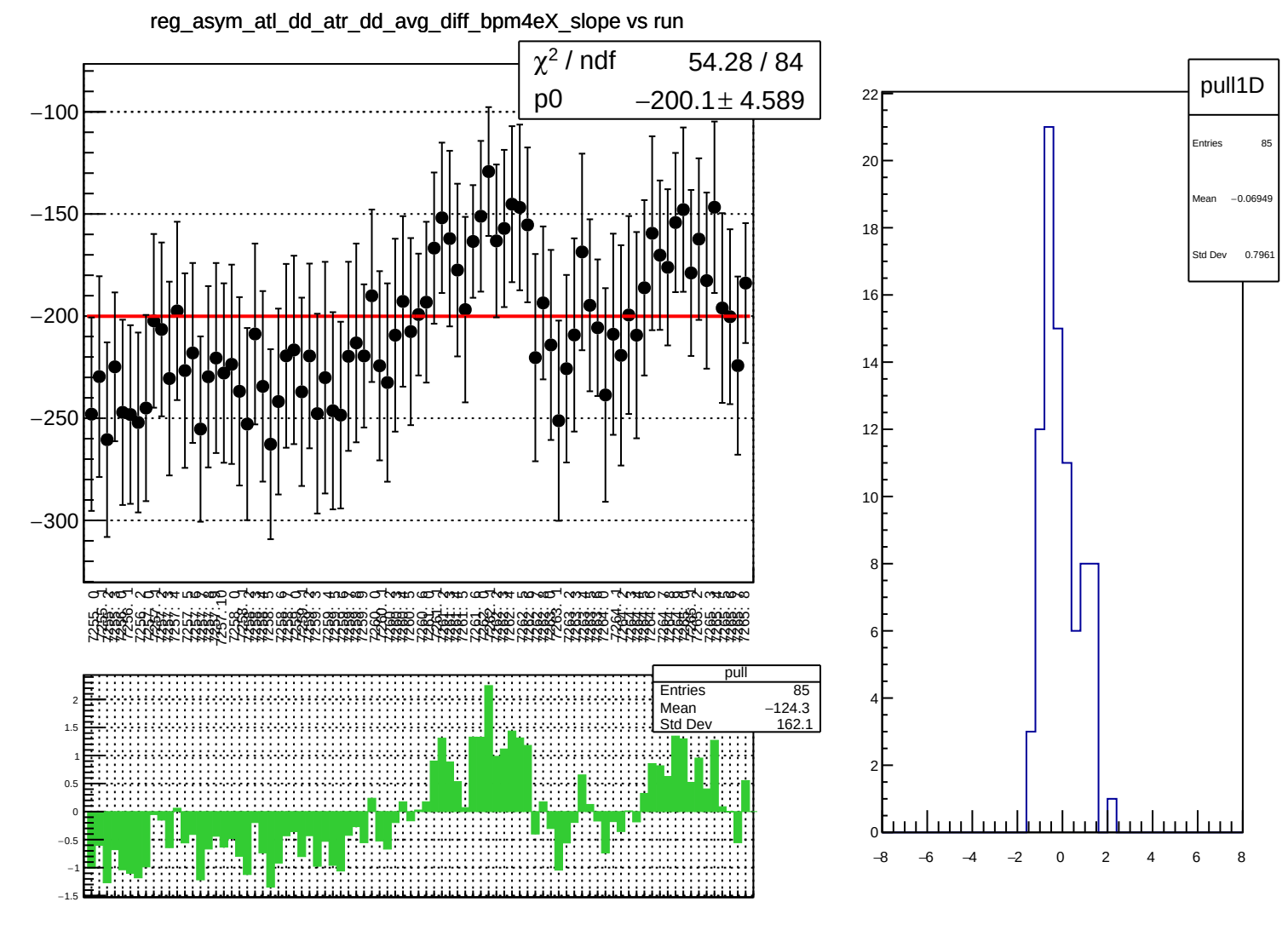

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.15 / 84
p0 −72.95 ± 3.841
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −260.8
Std Dev 301.3
1.5
1
0.5
0
−0.5
−1
−1.5

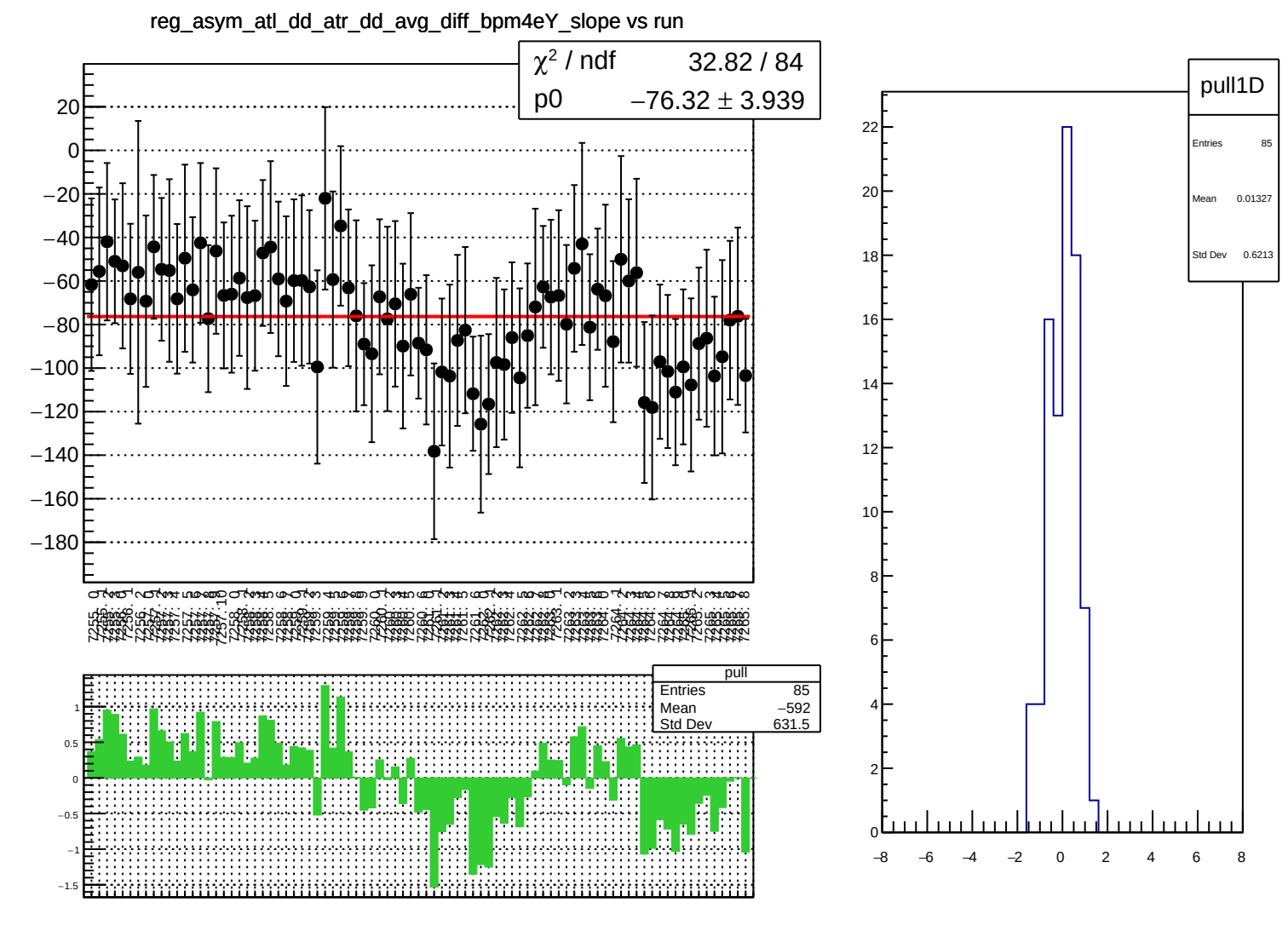

pull1D
Entries 85
Mean 0.02292
Std Dev 0.6334
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

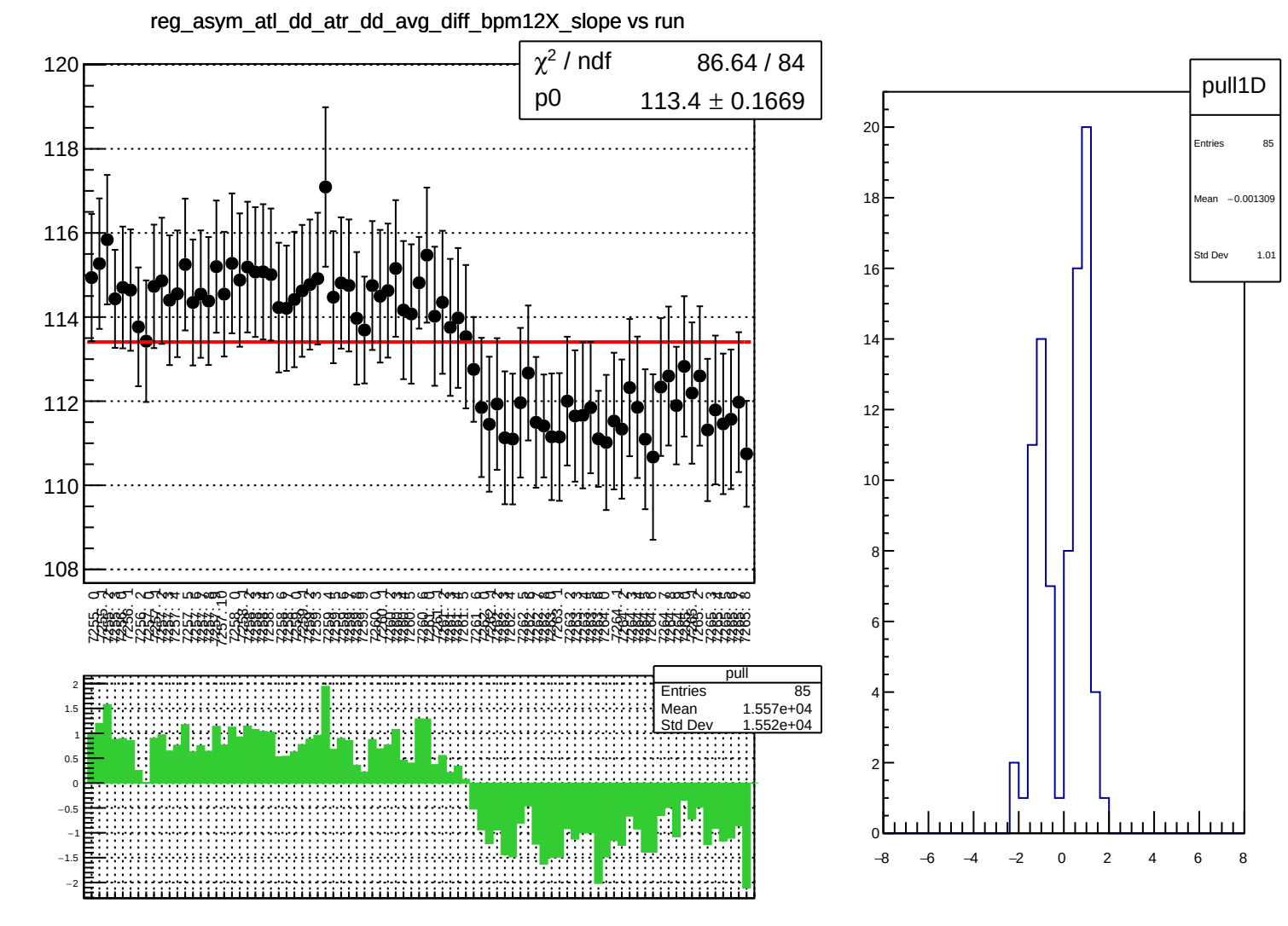

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 343.9 / 84
p0 105.4 ± 0.1627
pull
Entries 85
Mean −1238
Std Dev 1282
pull1D
Entries 85
Mean 0.03183
Std Dev 2.011

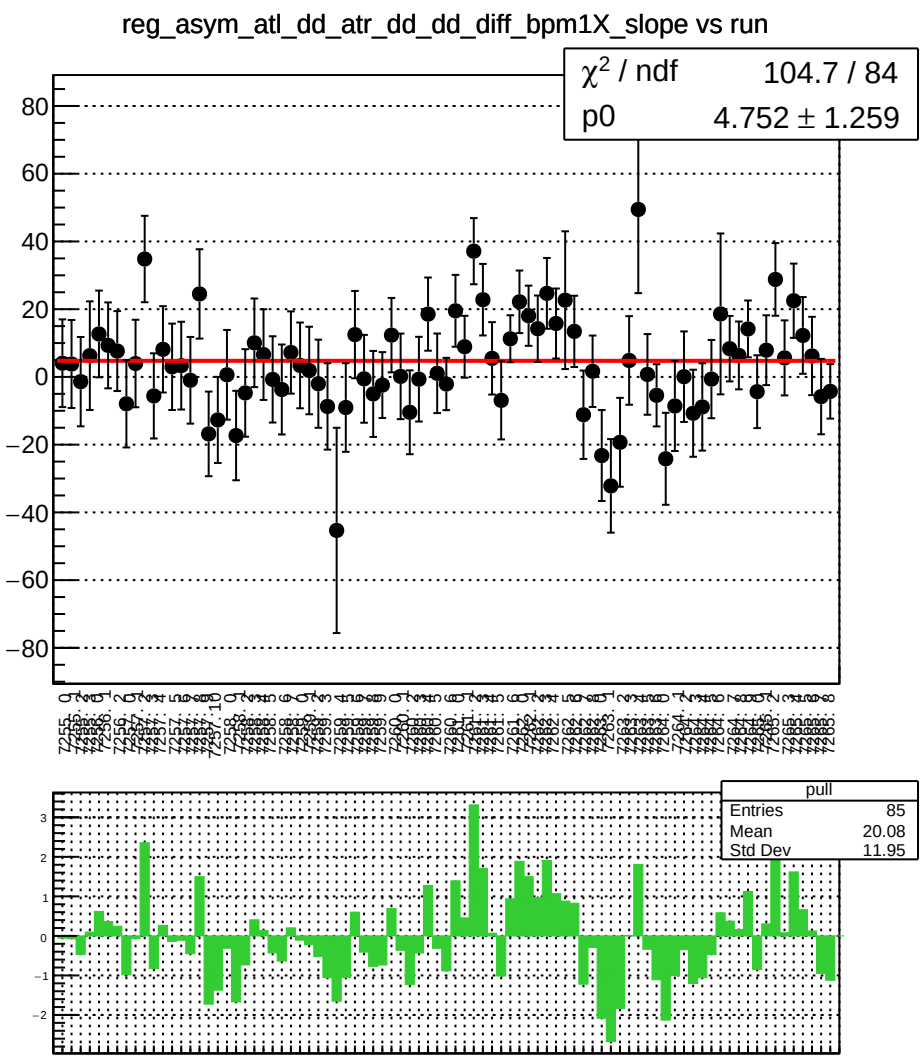

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 53.55 / 84
p0 171.1 ± 4.231
pull
Entries 85
Mean −136.6
Std Dev 174.7
pull1D
Entries 85
Mean 0.06526
Std Dev 0.7911

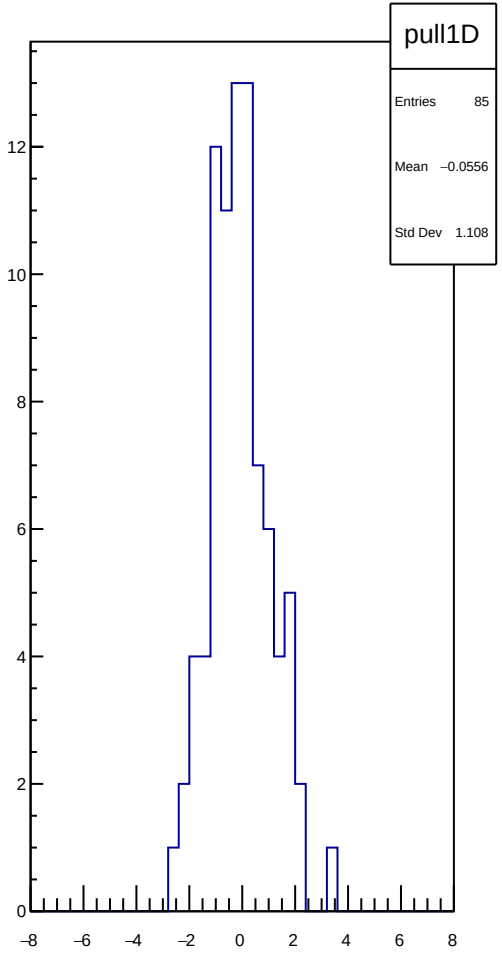

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.49 / 84
p0 7.489 ± 3.734
pull
Entries 85
Mean −733.3
Std Dev 772.8
pull1D
Entries 85
Mean −0.01032
Std Dev 0.5889

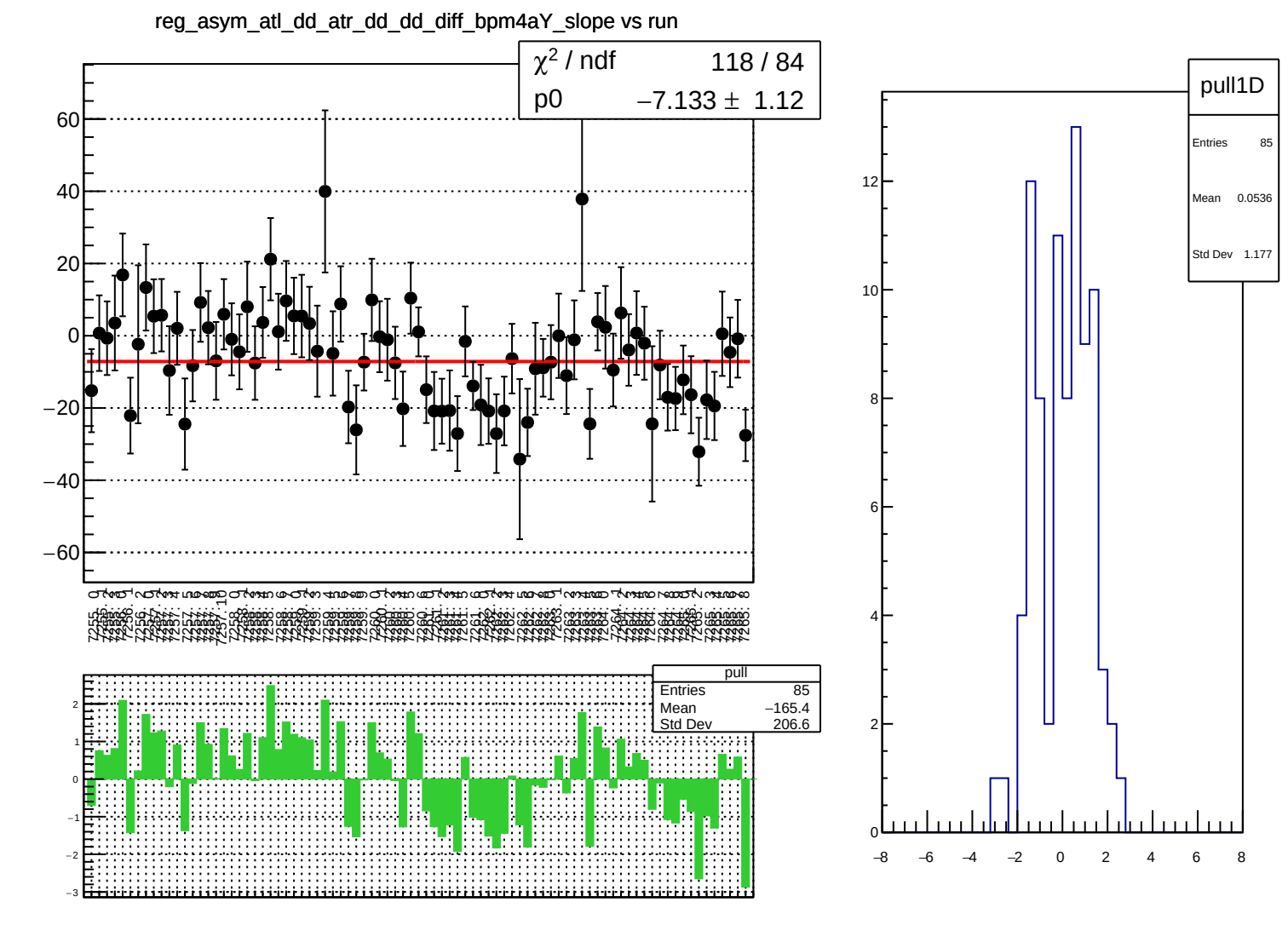

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 54.28 / 84
p0 −200.1± 4.589
−100
−150
−200
−250
−300
pull
Entries 85
Mean −124.3
Std Dev 162.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean −0.06949
Std Dev 0.7961
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

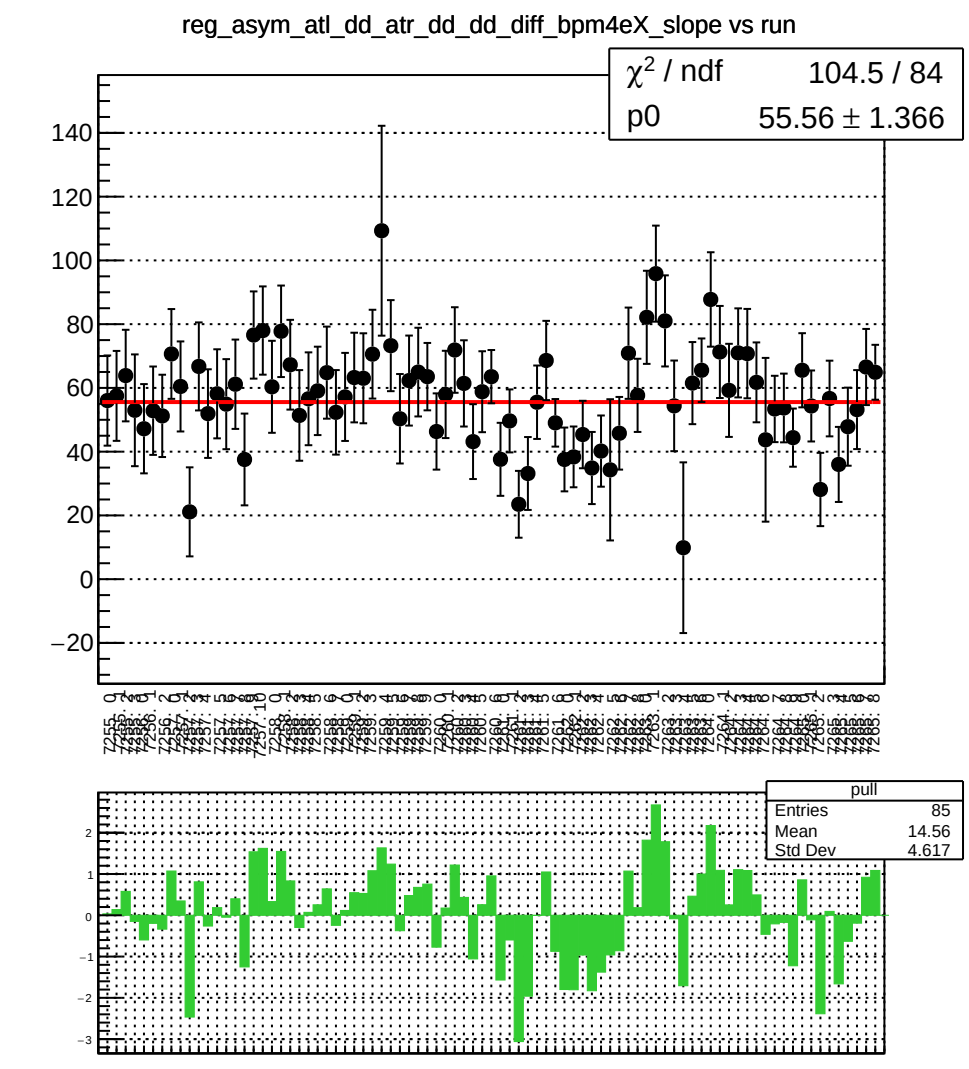

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.82 / 84
p0 −76.32 ± 3.939
pull
Entries 85
Mean −592
Std Dev 631.5
pull1D
Entries 85
Mean 0.01327
Std Dev 0.6213

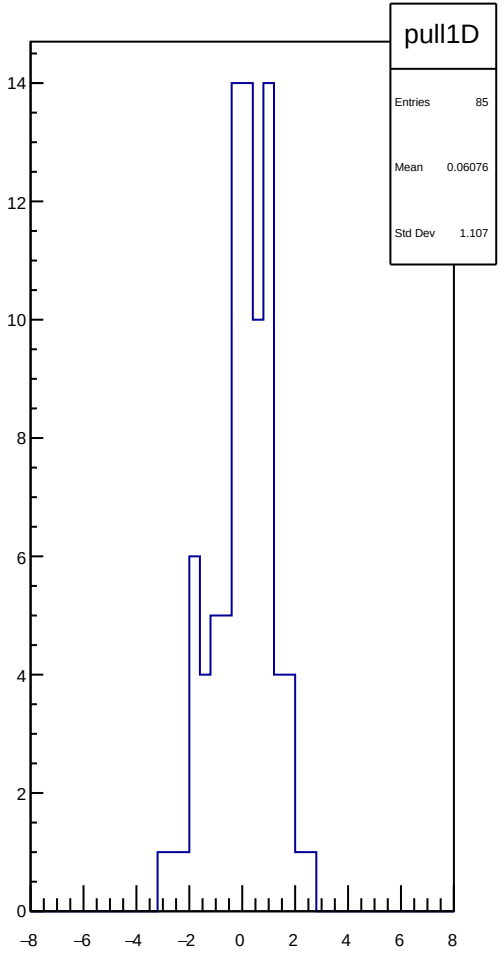

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 86.64 / 84
p0 113.4 ± 0.1669
pull
Entries 85
Mean 1.557e+04
Std Dev 1.552e+04
pull1D
Entries 85
Mean −0.001309
Std Dev 1.01

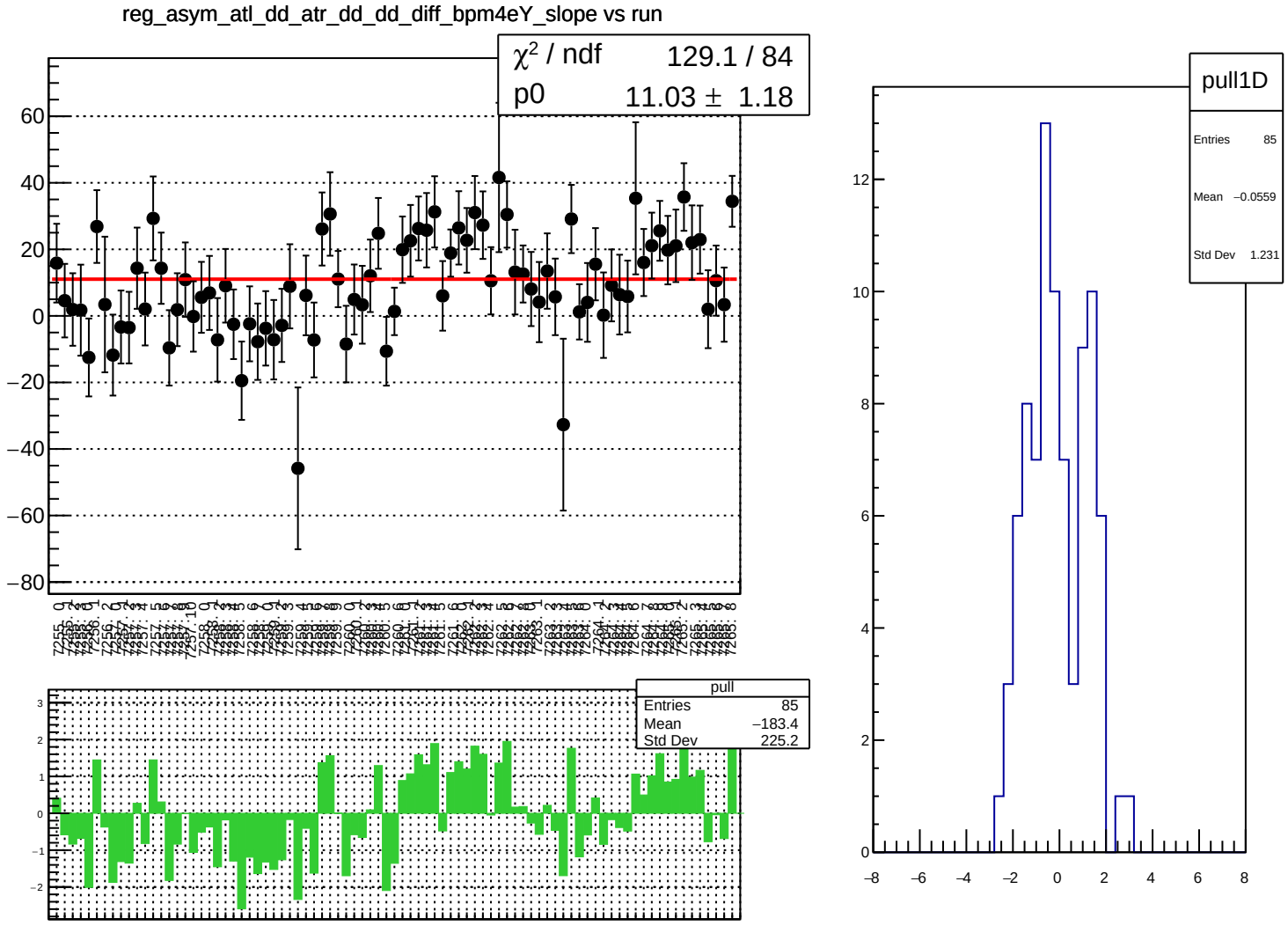

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 104.7 / 84
p0 4.752 ± 1.259
pull
Entries 85
Mean 20.08
Std Dev 11.95

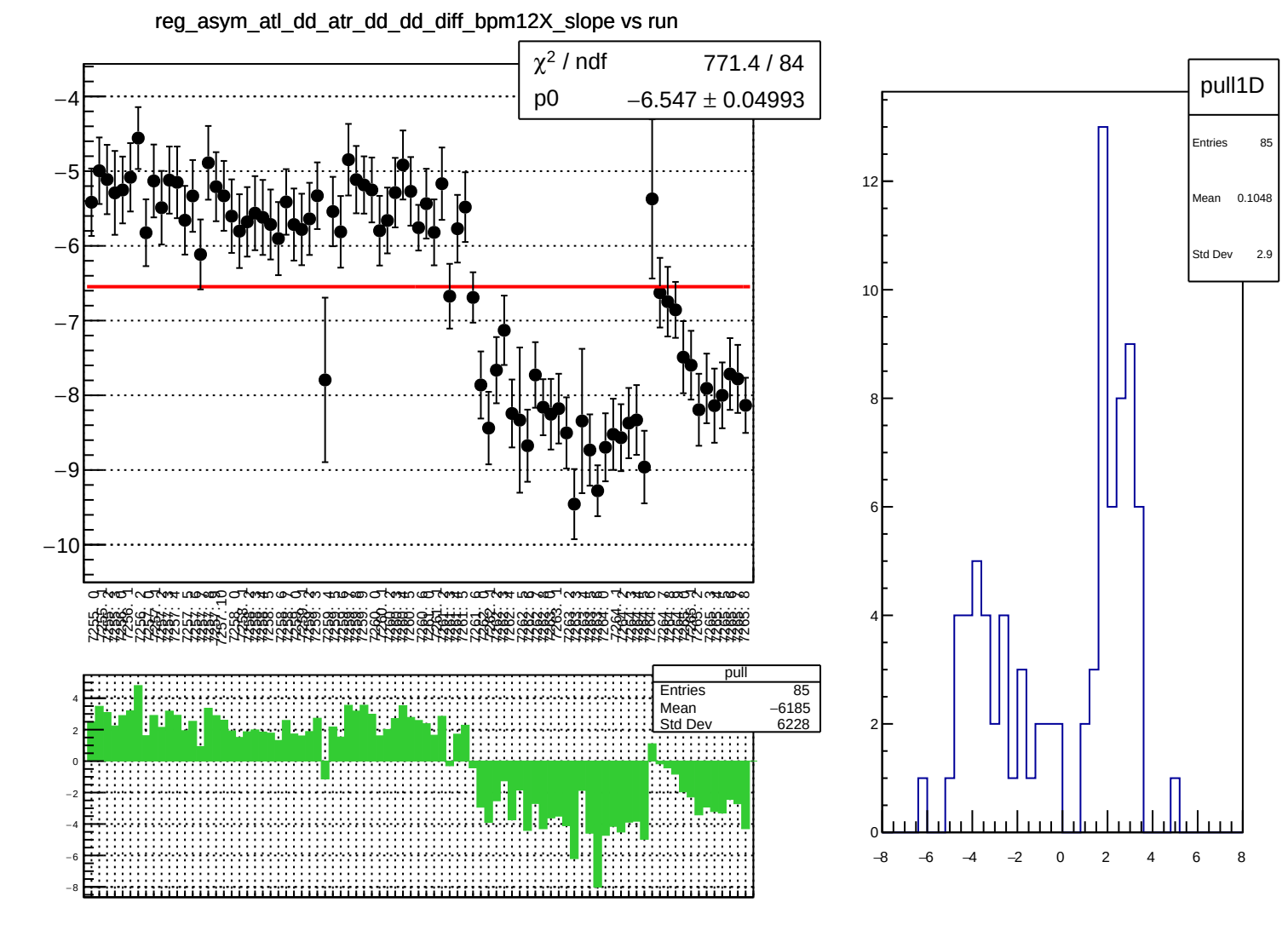

pull1D
Entries 85
Mean −0.0556
Std Dev 1.108

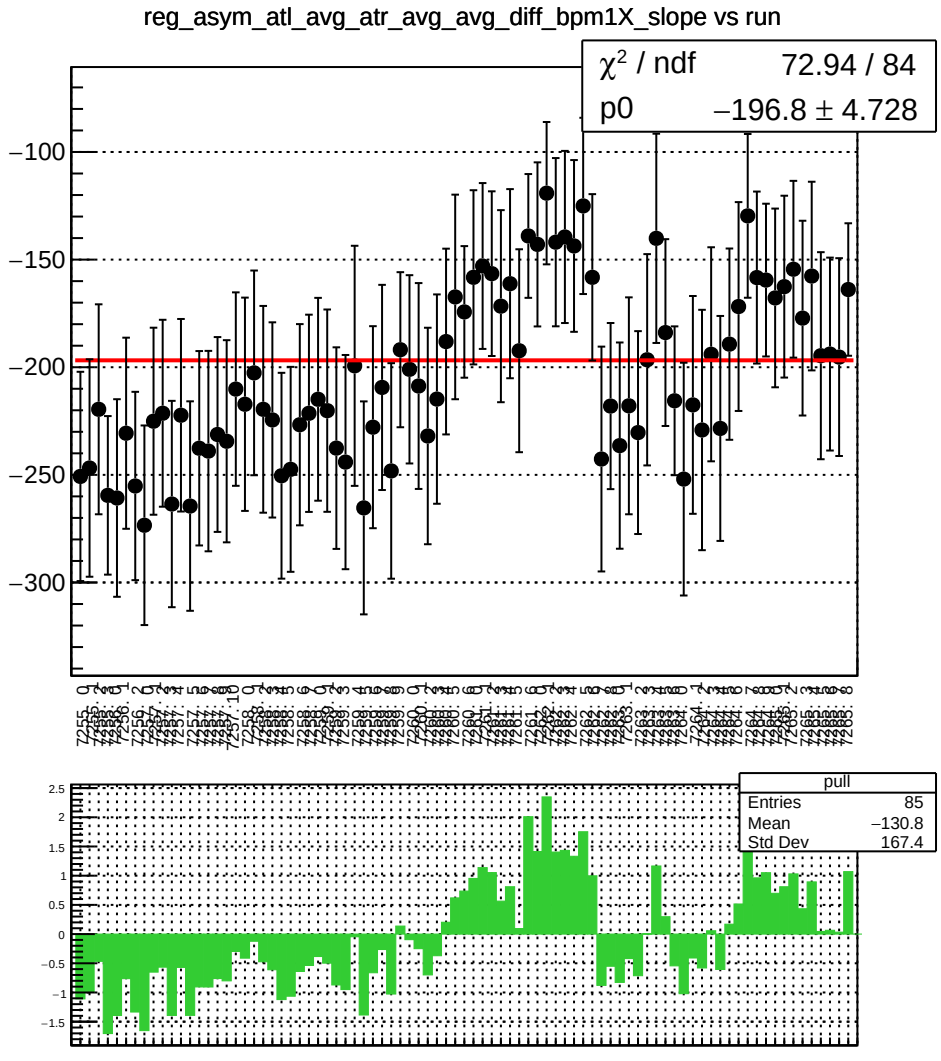

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 118 / 84
p0 −7.133 ± 1.12
pull
Entries 85
Mean −165.4
Std Dev 206.6
pull1D
Entries 85
Mean 0.0536
Std Dev 1.177

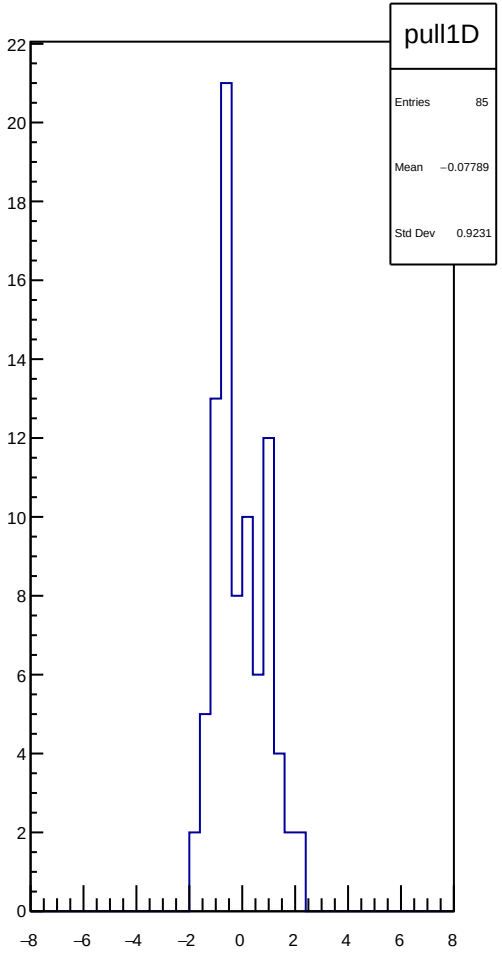

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 104.5 / 84
p0 55.56 ± 1.366
pull
Entries 85
Mean 14.56
Std Dev 4.617

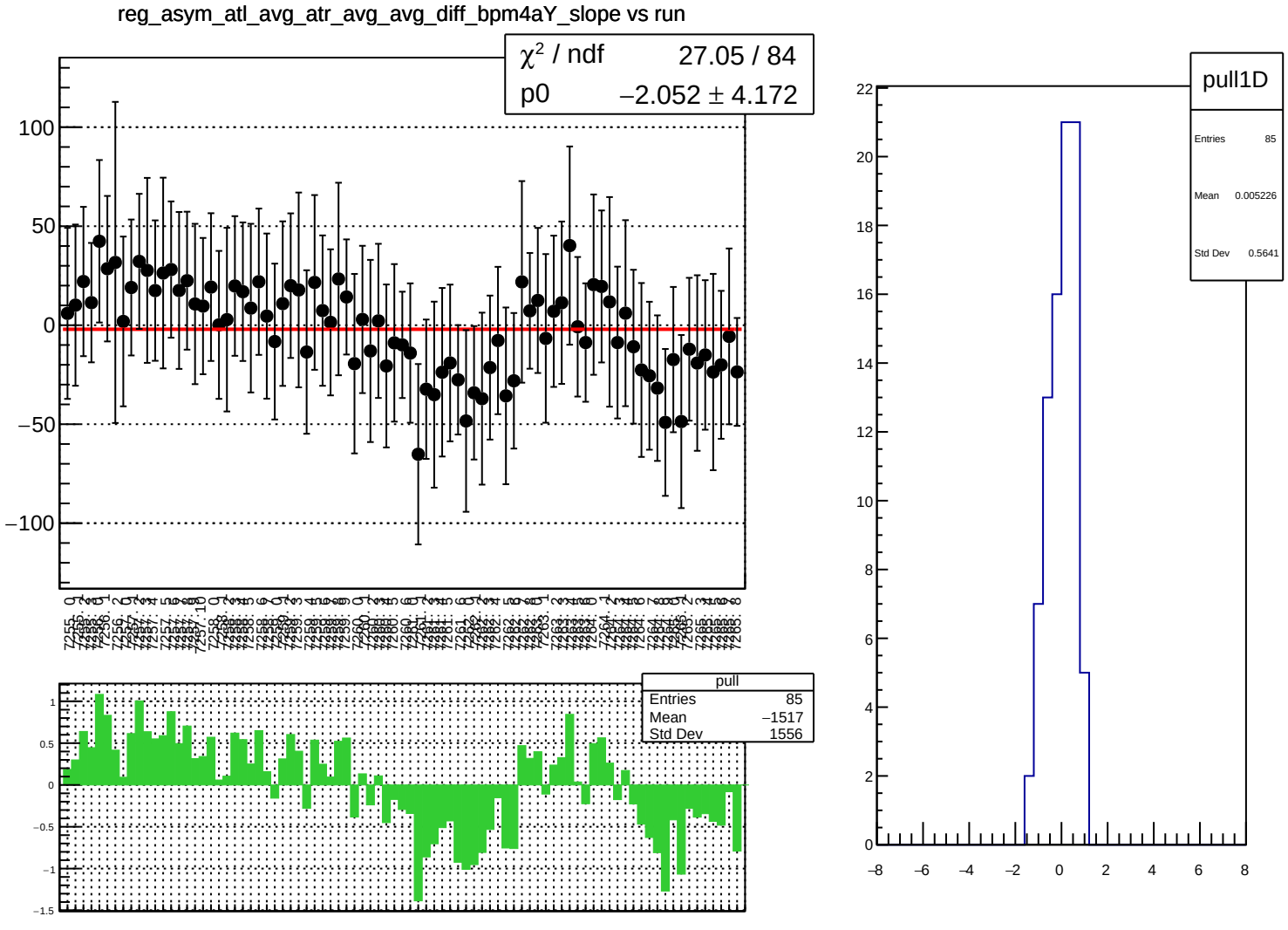

pull1D
Entries 85
Mean 0.06076
Std Dev 1.107

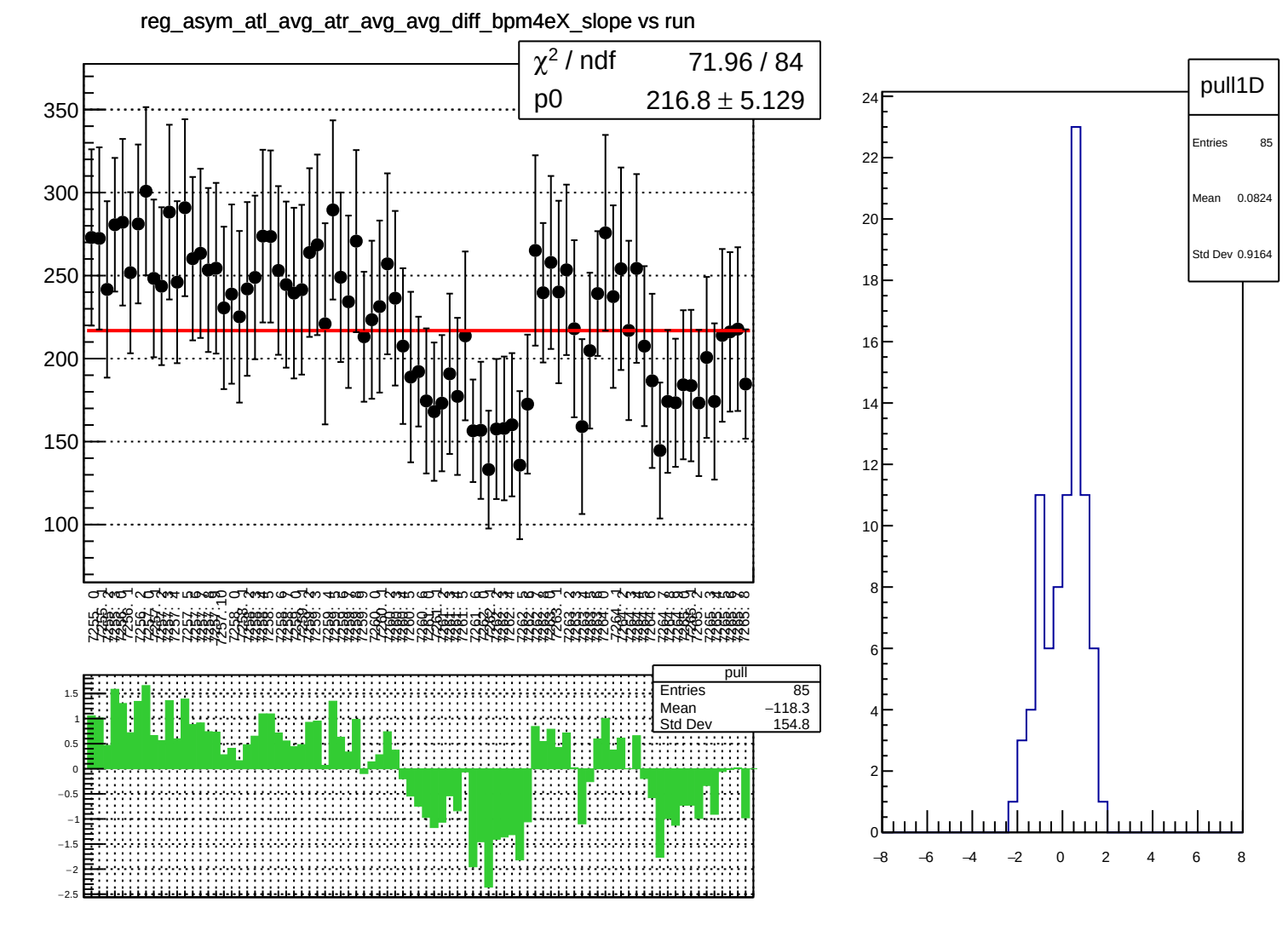

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 129.1 / 84
p0 11.03 ± 1.18
pull
Entries 85
Mean −183.4
Std Dev 225.2
pull1D
Entries 85
Mean −0.0559
Std Dev 1.231

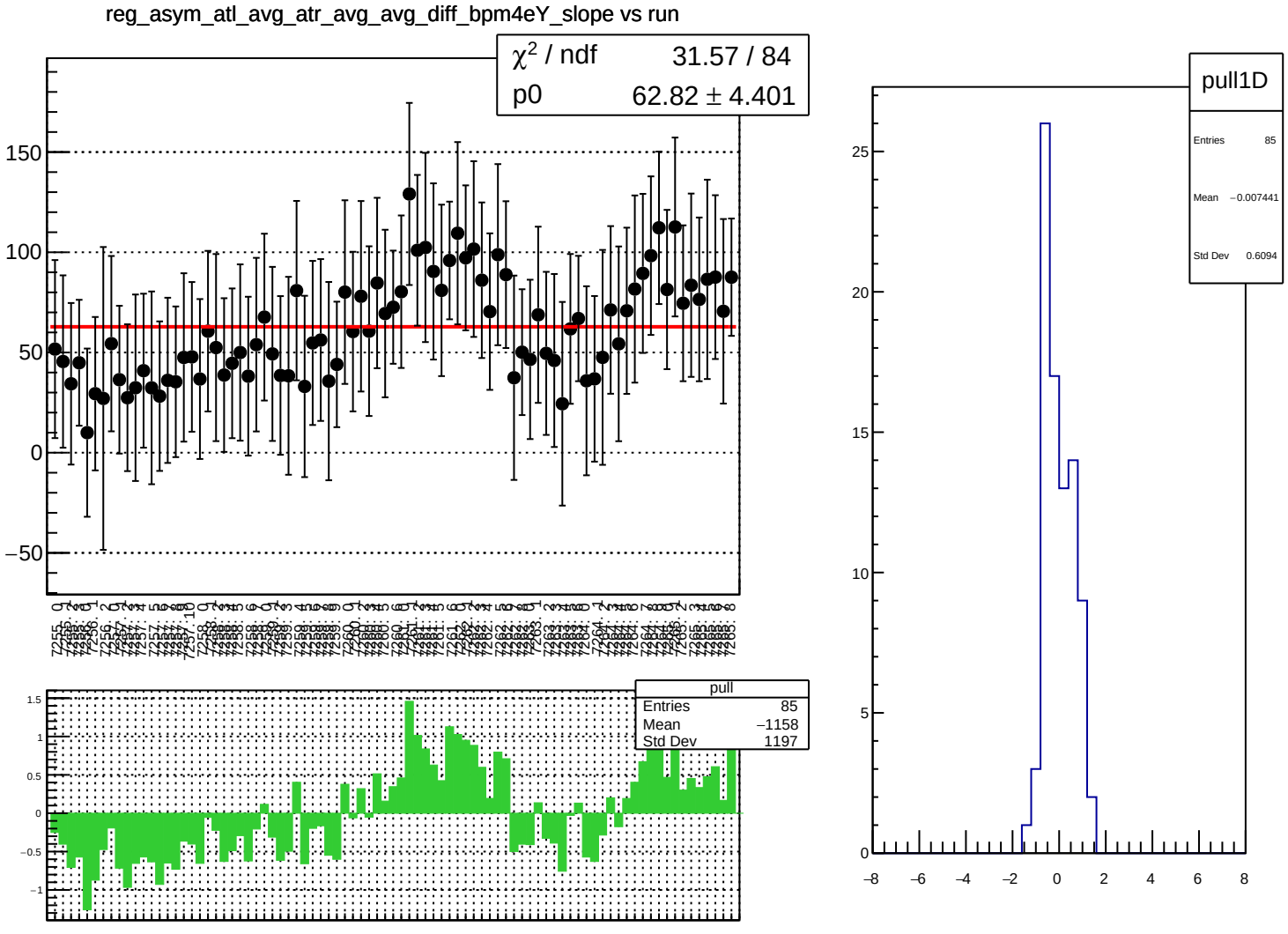

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 771.4 / 84
p0 −6.547 ± 0.04993
pull
Entries 85
Mean −6185
Std Dev 6228
pull1D
Entries 85
Mean 0.1048
Std Dev 2.9

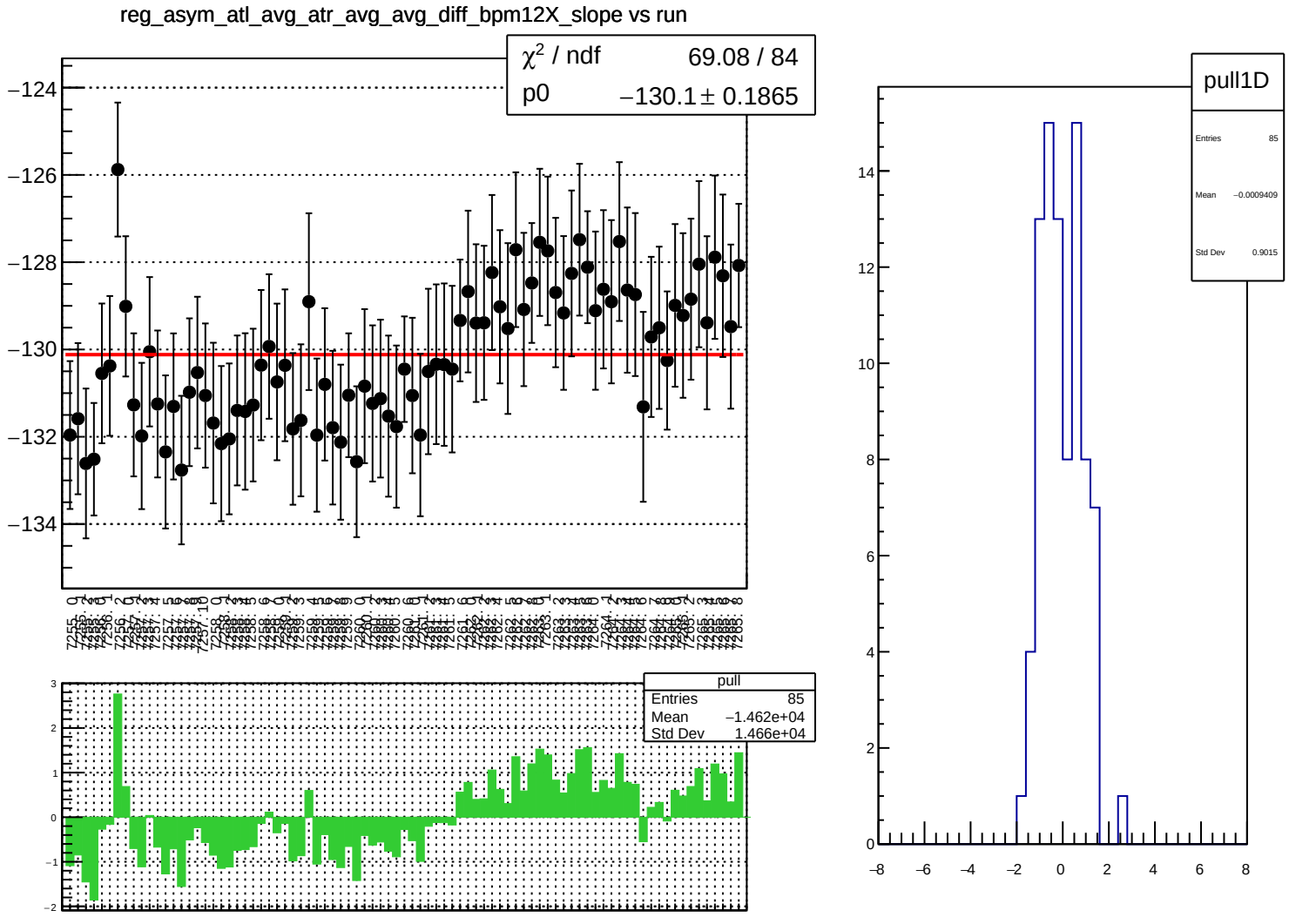

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 72.94 / 84
p0 −196.8 ± 4.728
pull
Entries 85
Mean −130.8
Std Dev 167.4

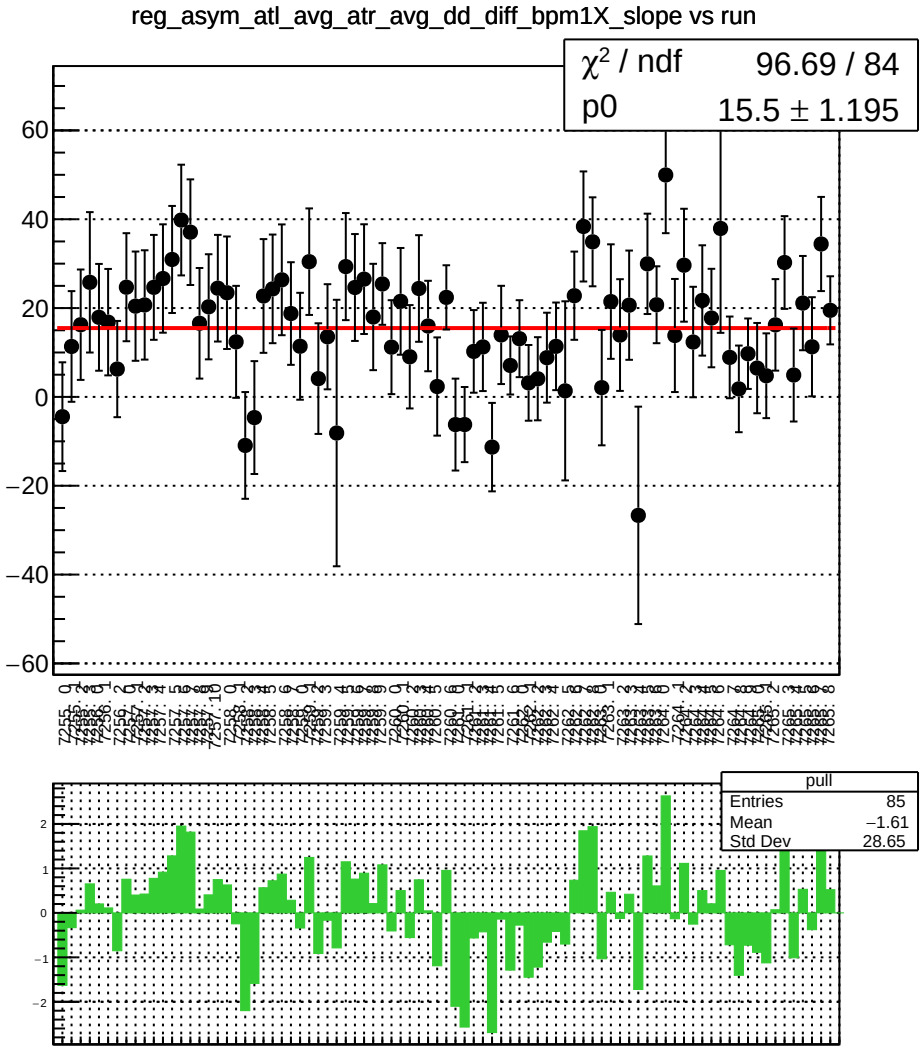

pull1D
Entries 85
Mean −0.07789
Std Dev 0.9231

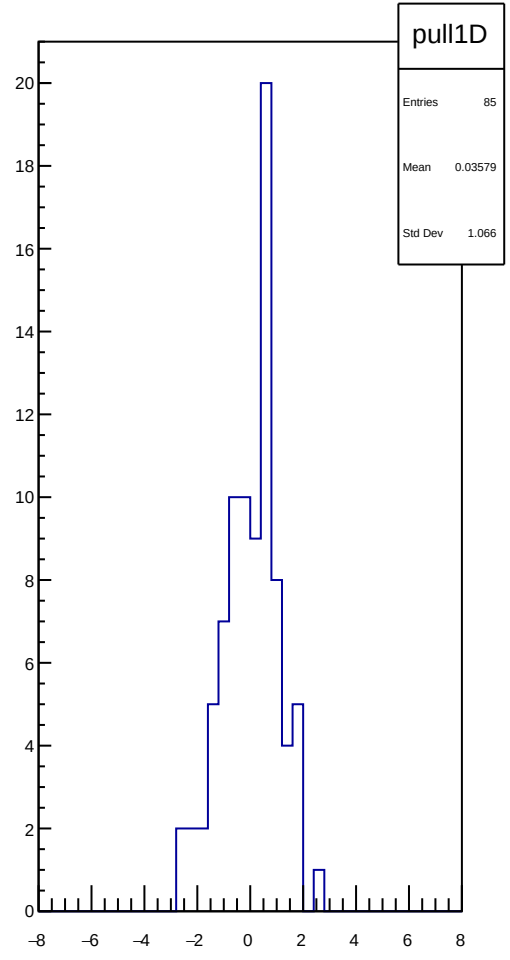

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.05 / 84
p0 −2.052 ± 4.172
pull
Entries 85
Mean −1517
Std Dev 1556
pull1D
Entries 85
Mean 0.005226
Std Dev 0.5641

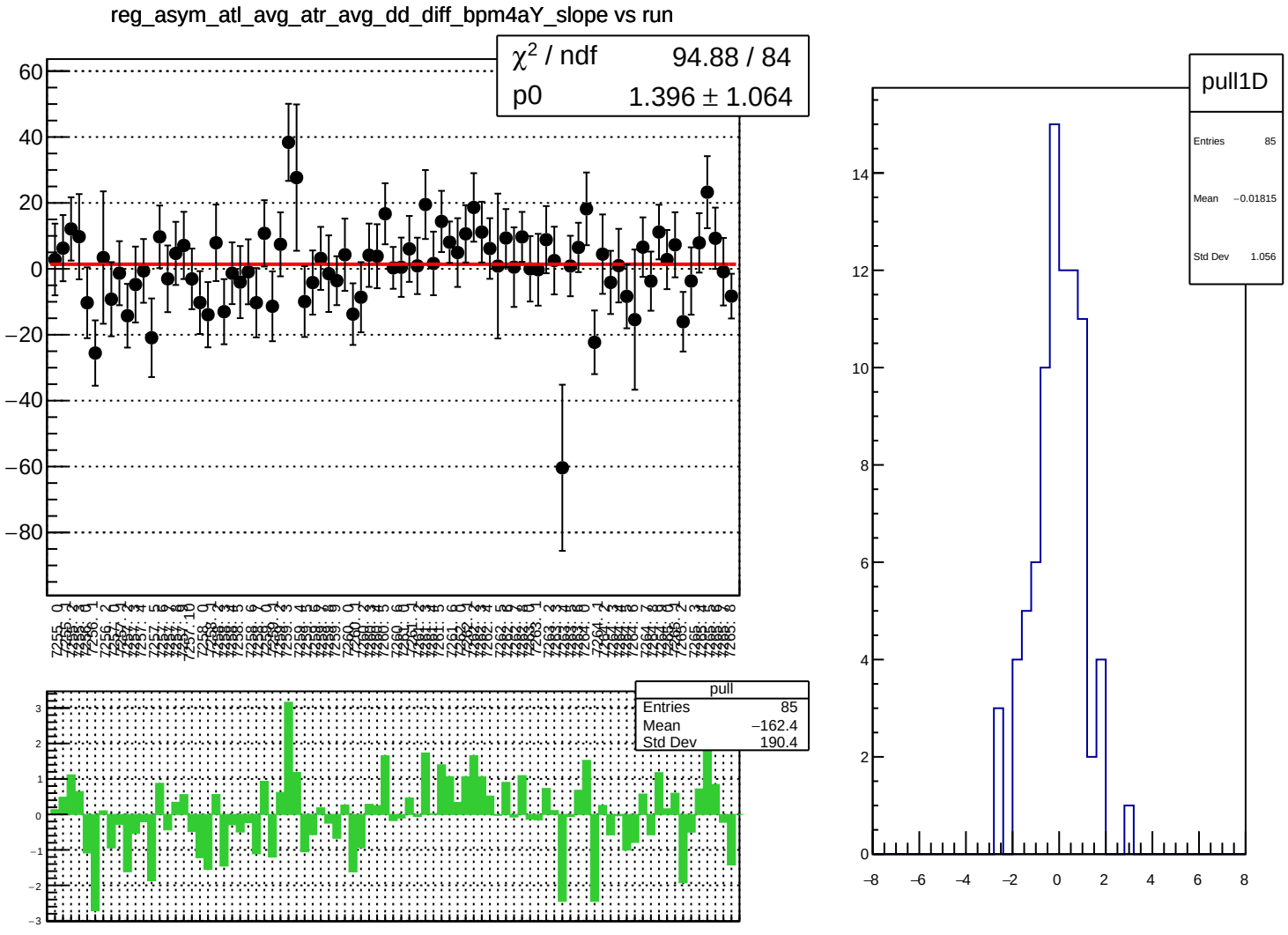

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 71.96 / 84
p0 216.8 ± 5.129
pull
Entries 85
Mean −118.3
Std Dev 154.8
pull1D
Entries 85
Mean 0.0824
Std Dev 0.9164

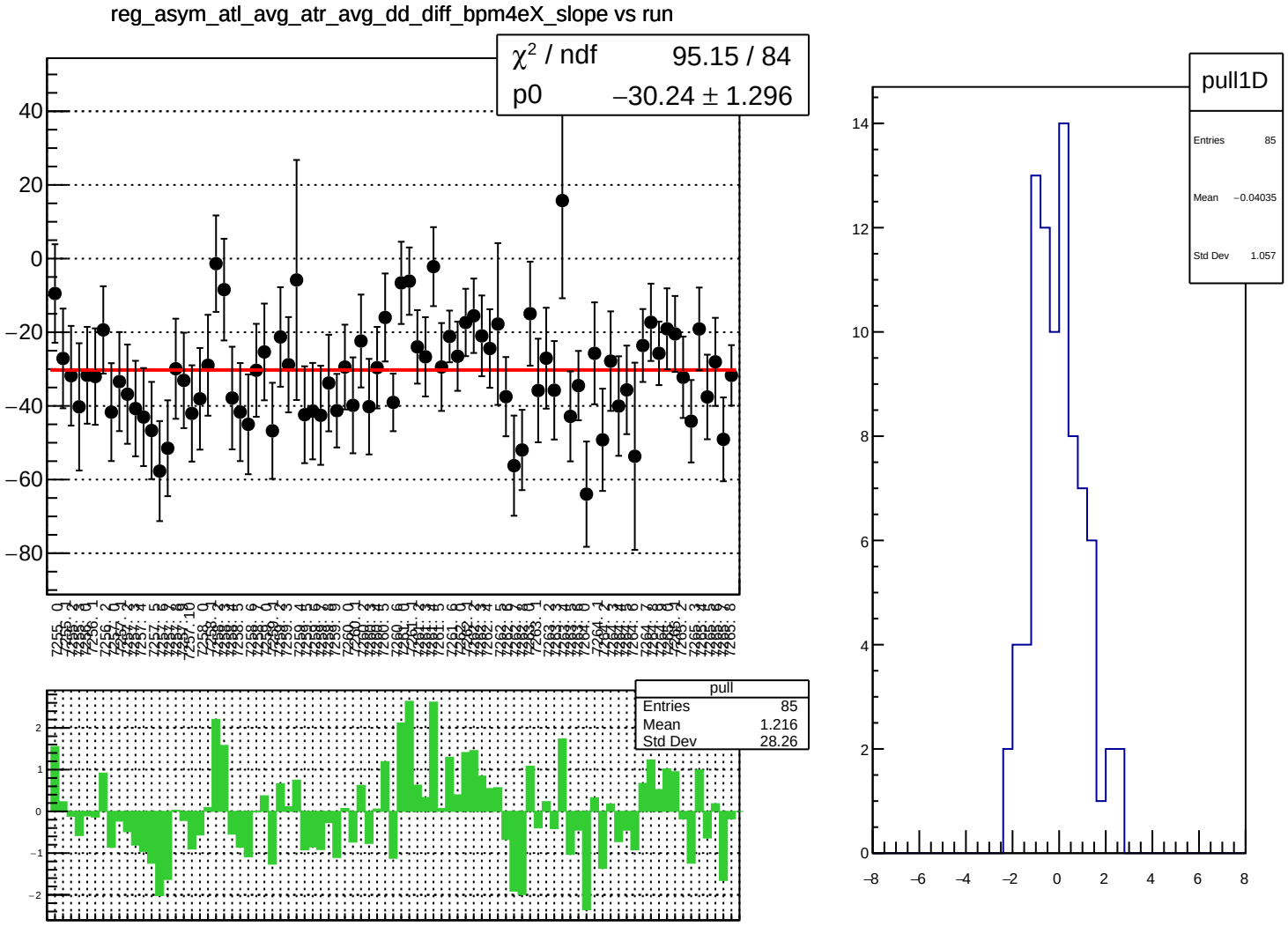

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 31.57 / 84
p0 62.82 ± 4.401
150
100
50
0
−50
pull
Entries 85
Mean −1158
Std Dev 1197
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean −0.007441
Std Dev 0.6094
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

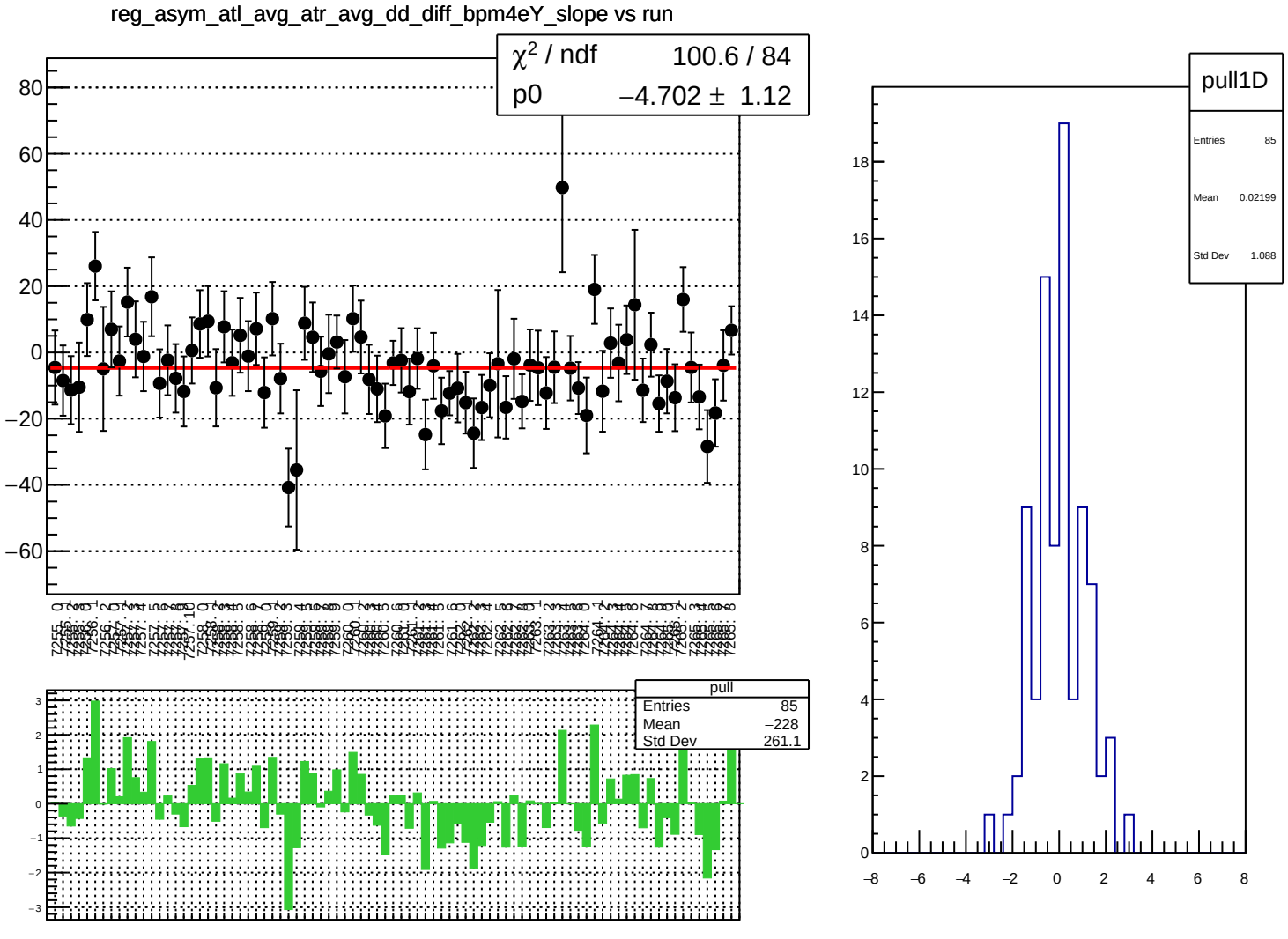

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 69.08 / 84
p0 −130.1 ± 0.1865
−124
−126
−128
−130
−132
−134
pull
Entries 85
Mean −1.462e+04
Std Dev 1.466e+04
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.0009409
Std Dev 0.9015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

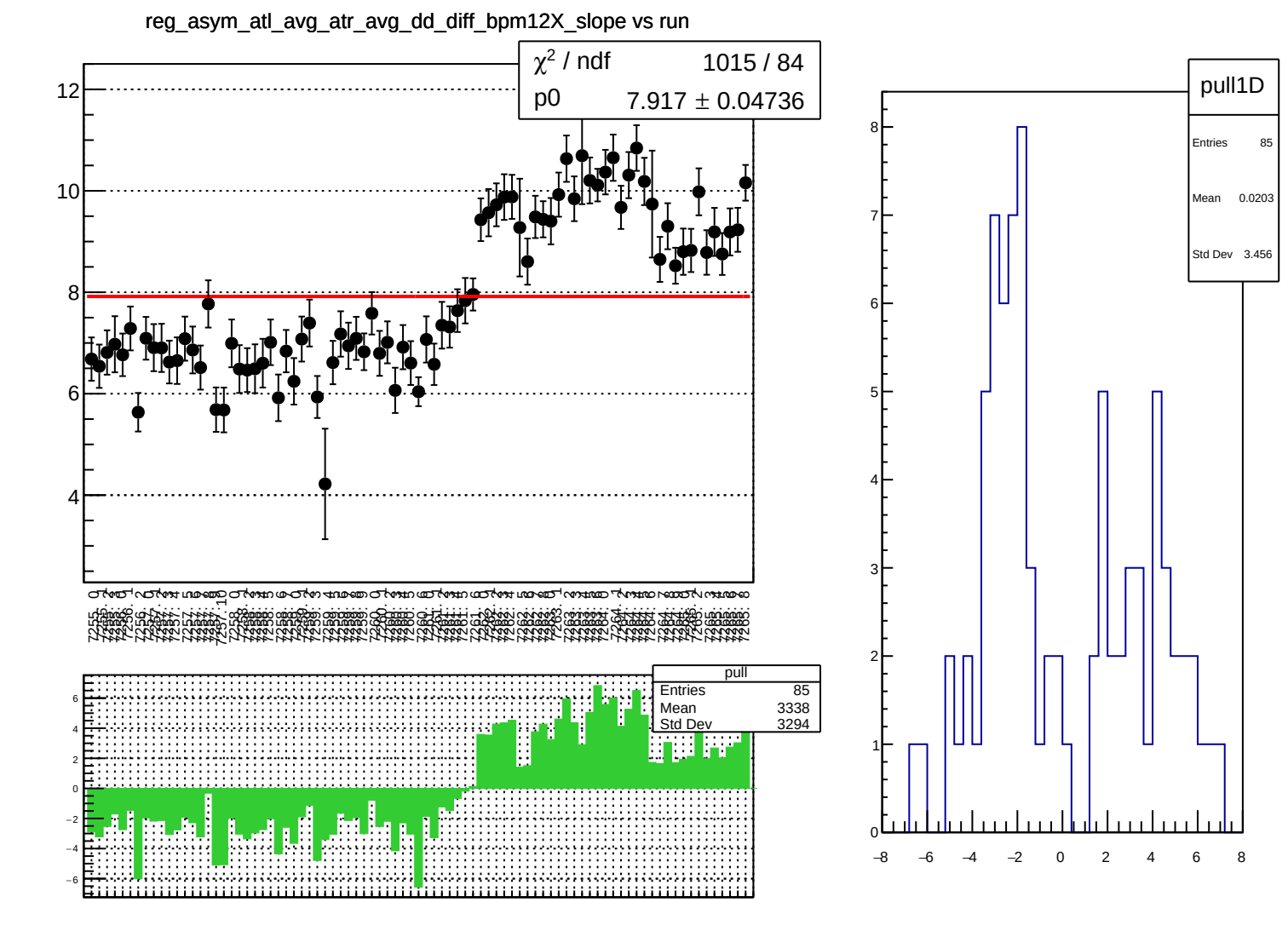

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 96.69 / 84
p0 15.5 ± 1.195
pull
Entries 85
Mean −1.61
Std Dev 28.65

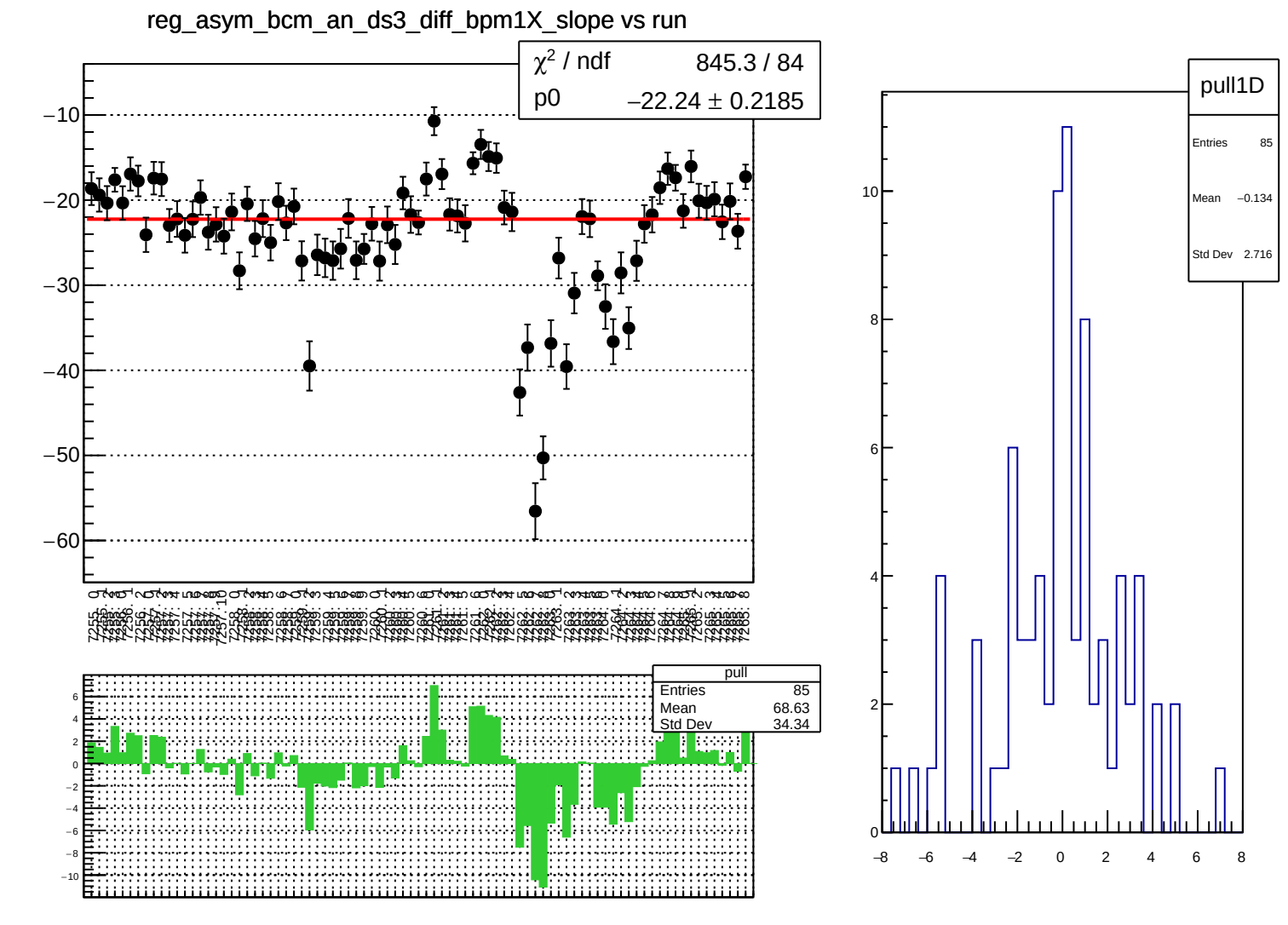

pull1D
Entries 85
Mean 0.03579
Std Dev 1.066

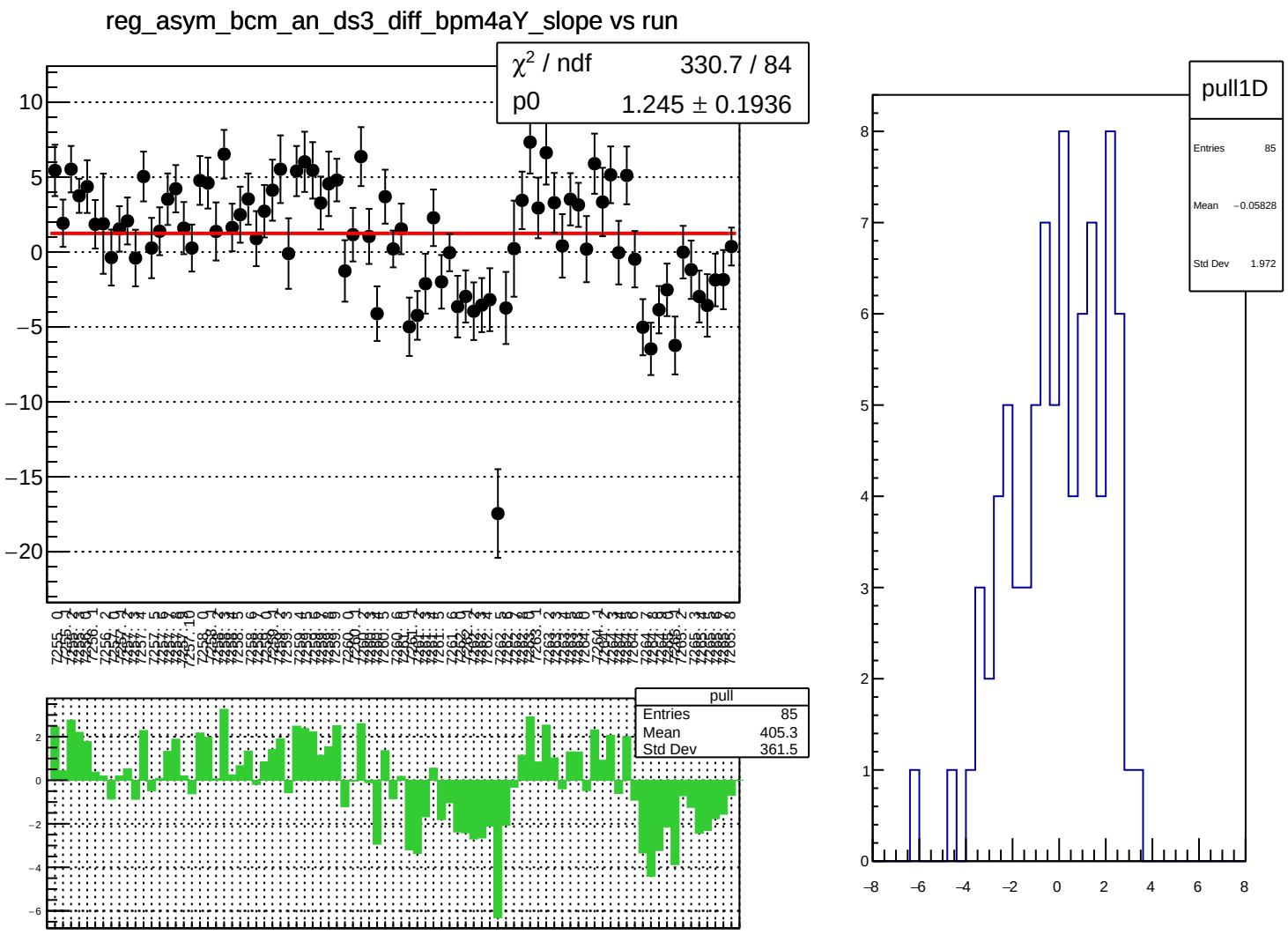

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 94.88 / 84
p0 1.396 ± 1.064
pull
Entries 85
Mean −162.4
Std Dev 190.4
pull1D
Entries 85
Mean −0.01815
Std Dev 1.056

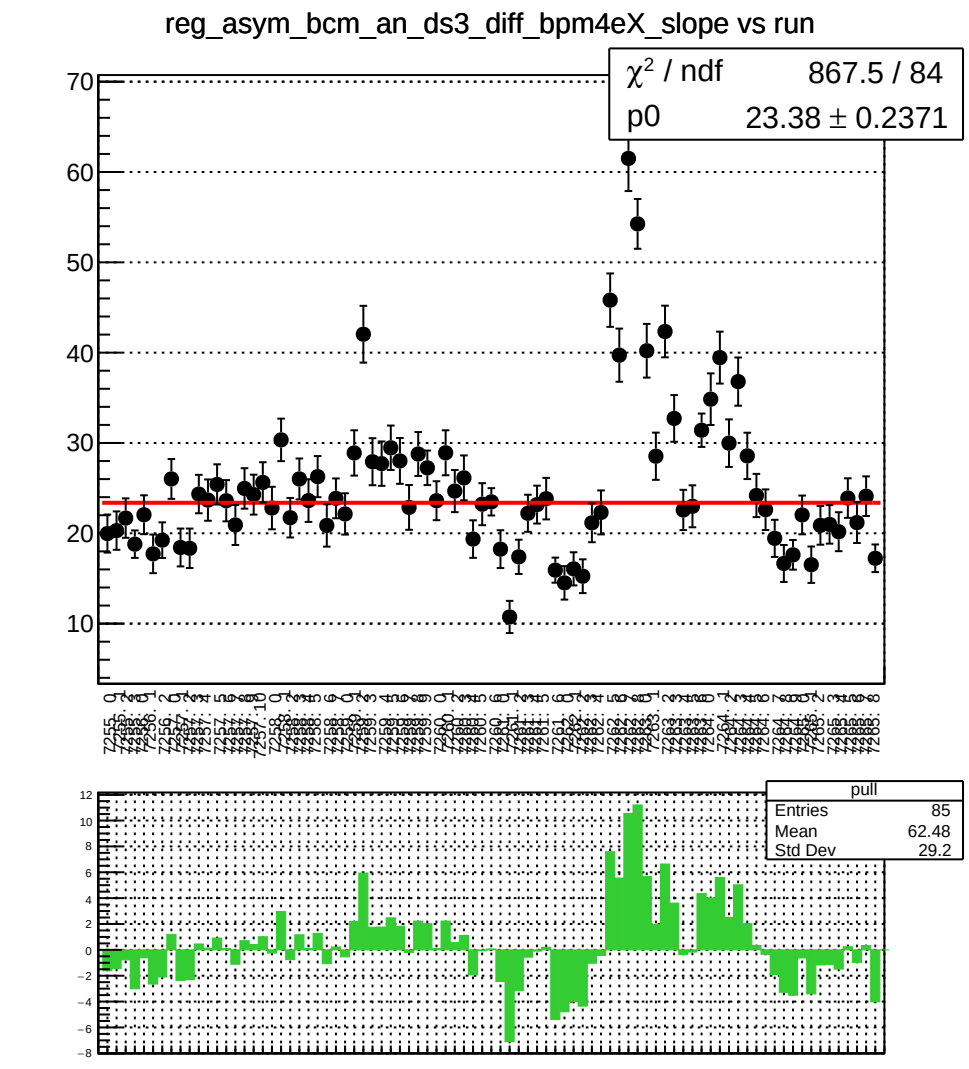

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 95.15 / 84
p0 −30.24 ± 1.296
pull
Entries 85
Mean 1.216
Std Dev 28.26
pull1D
Entries 85
Mean −0.04035
Std Dev 1.057

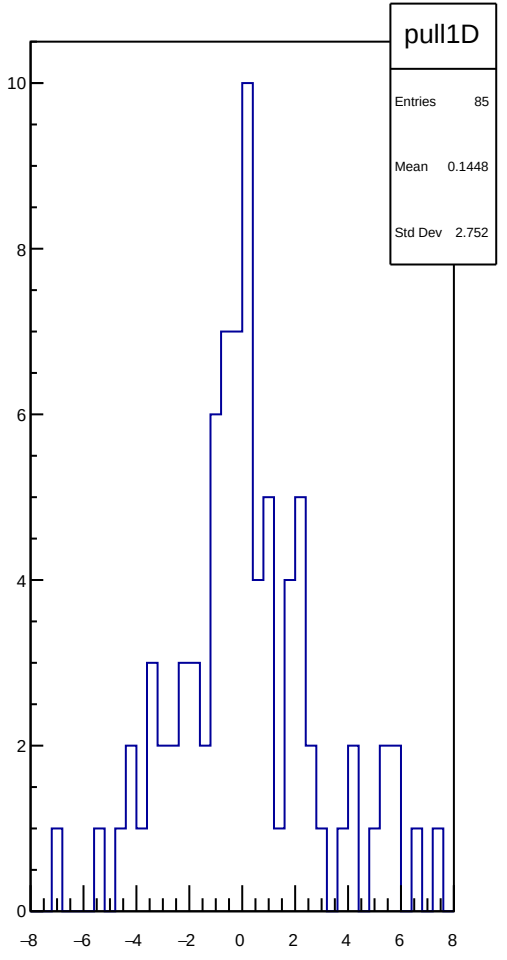

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 100.6 / 84
p0 −4.702 ± 1.12
pull
Entries 85
Mean −228
Std Dev 261.1
pull1D
Entries 85
Mean 0.02199
Std Dev 1.088

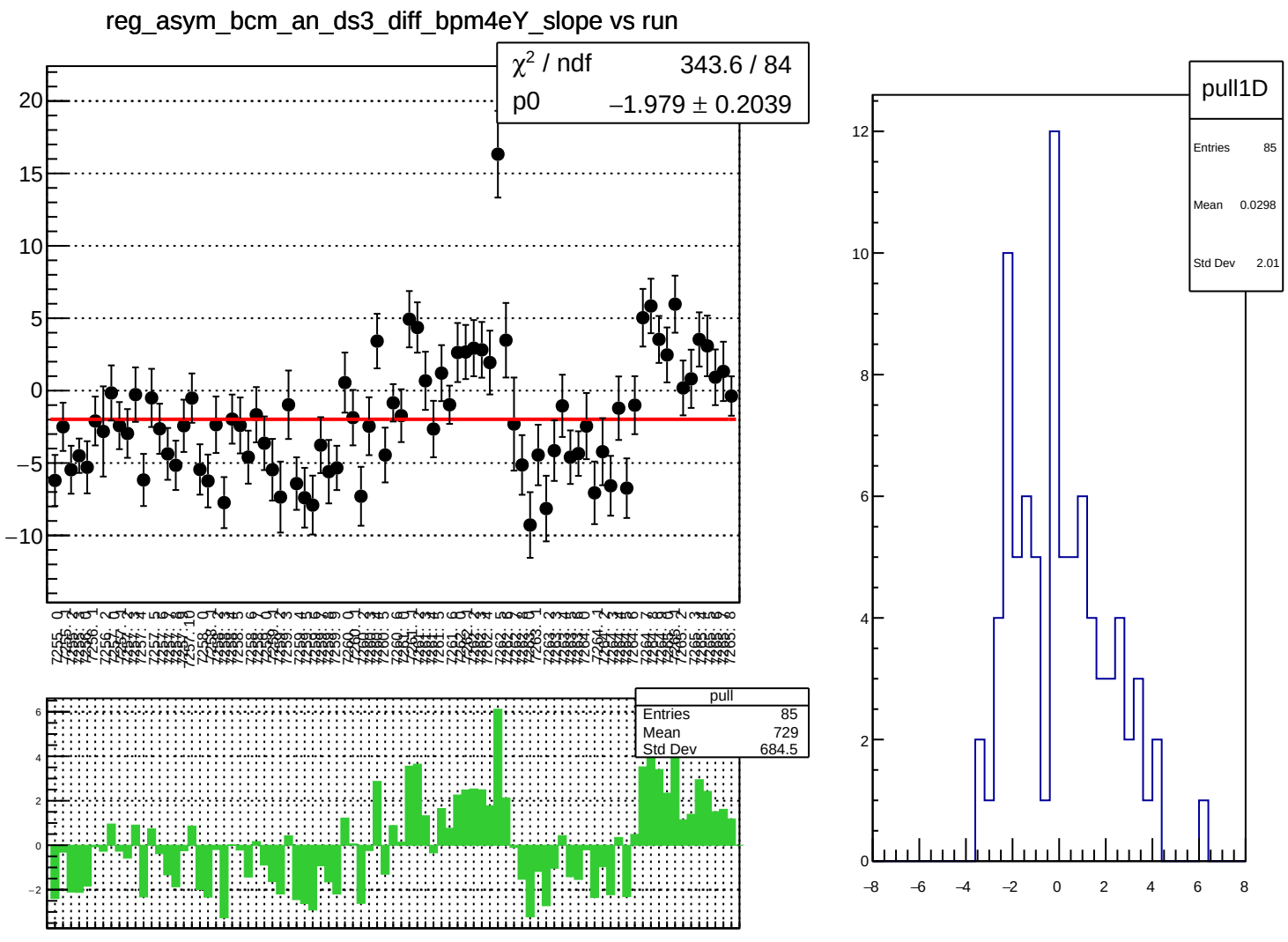

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 1015 / 84
p0 7.917 ± 0.04736
pull
Entries 85
Mean 3338
Std Dev 3294
pull1D
Entries 85
Mean 0.0203
Std Dev 3.456

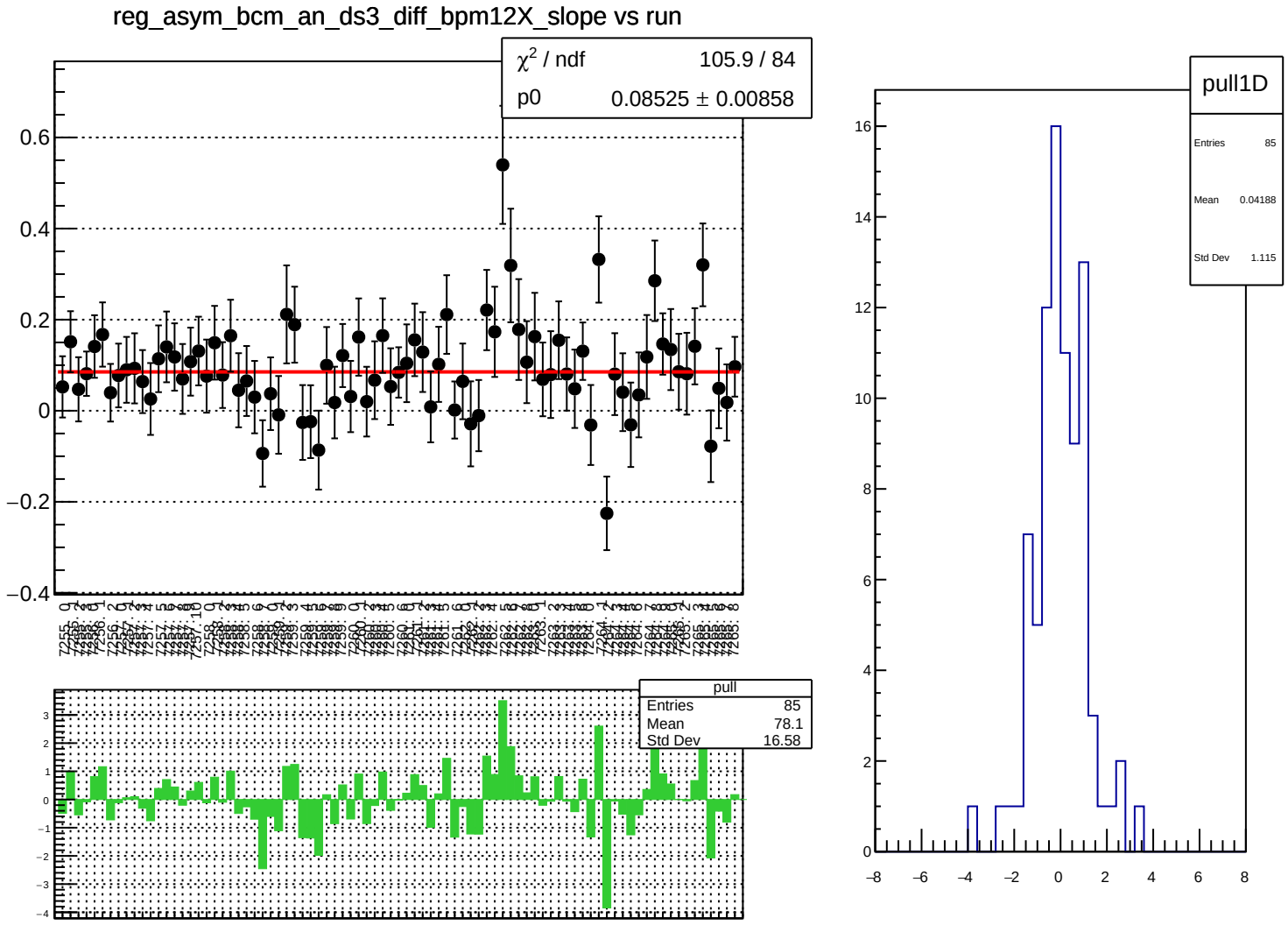

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 845.3 / 84
p0 −22.24 ± 0.2185
pull
Entries 85
Mean 68.63
Std Dev 34.34
pull1D
Entries 85
Mean −0.134
Std Dev 2.716

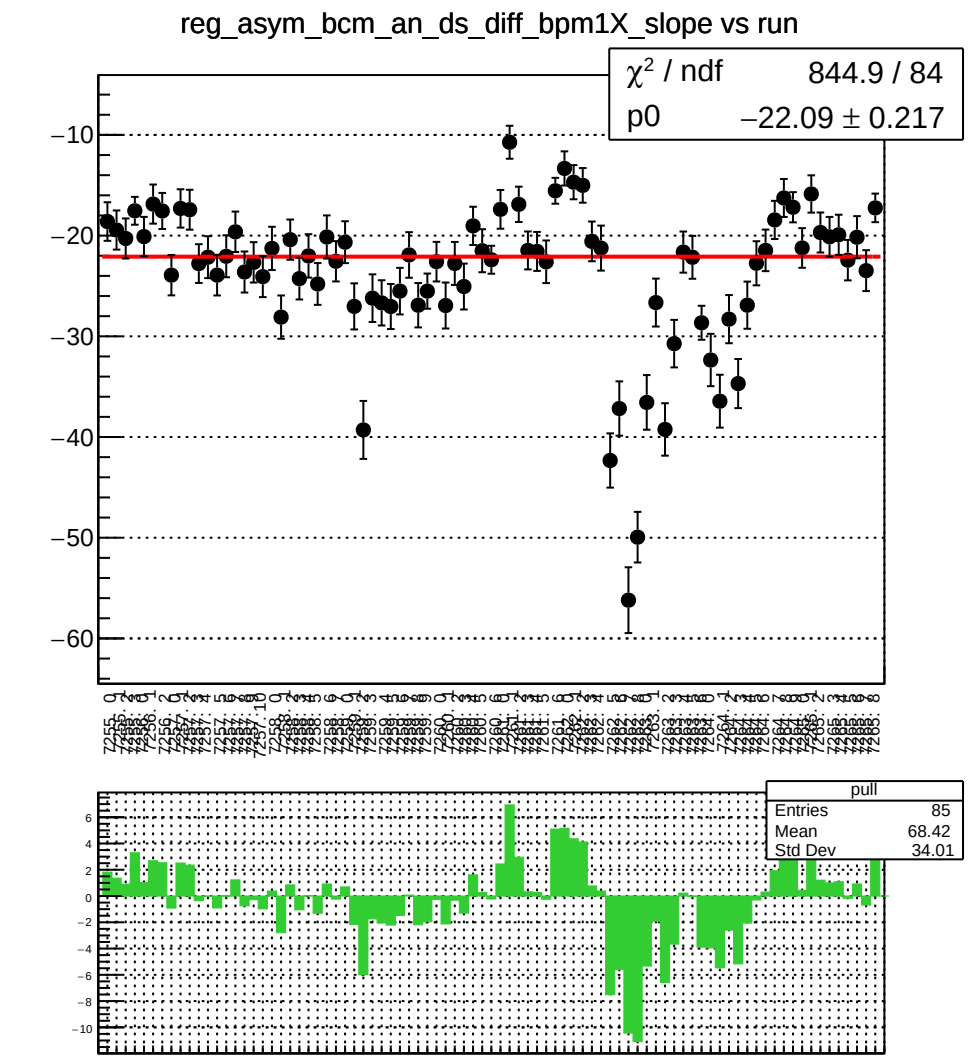

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 330.7 / 84
p0 1.245 ± 0.1936
pull
Entries 85
Mean 405.3
Std Dev 361.5
pull1D
Entries 85
Mean −0.05828
Std Dev 1.972

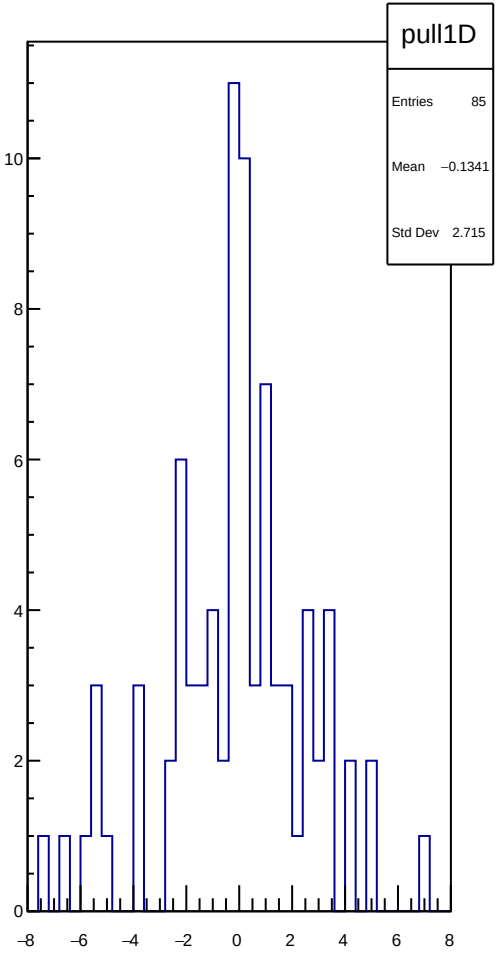

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 867.5 / 84
p0 23.38 ± 0.2371
pull
Entries 85
Mean 62.48
Std Dev 29.2

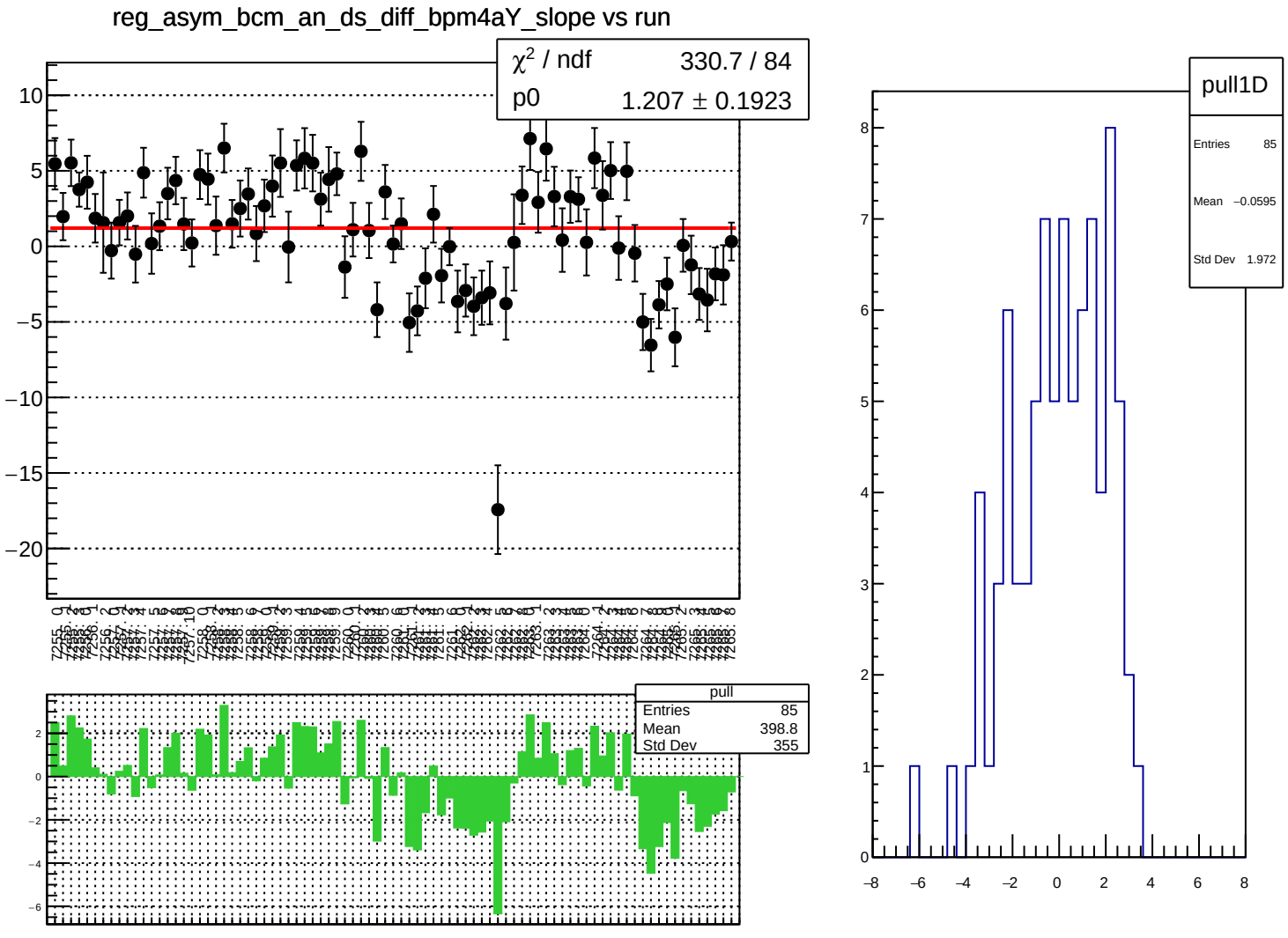

pull1D
Entries 85
Mean 0.1448
Std Dev 2.752

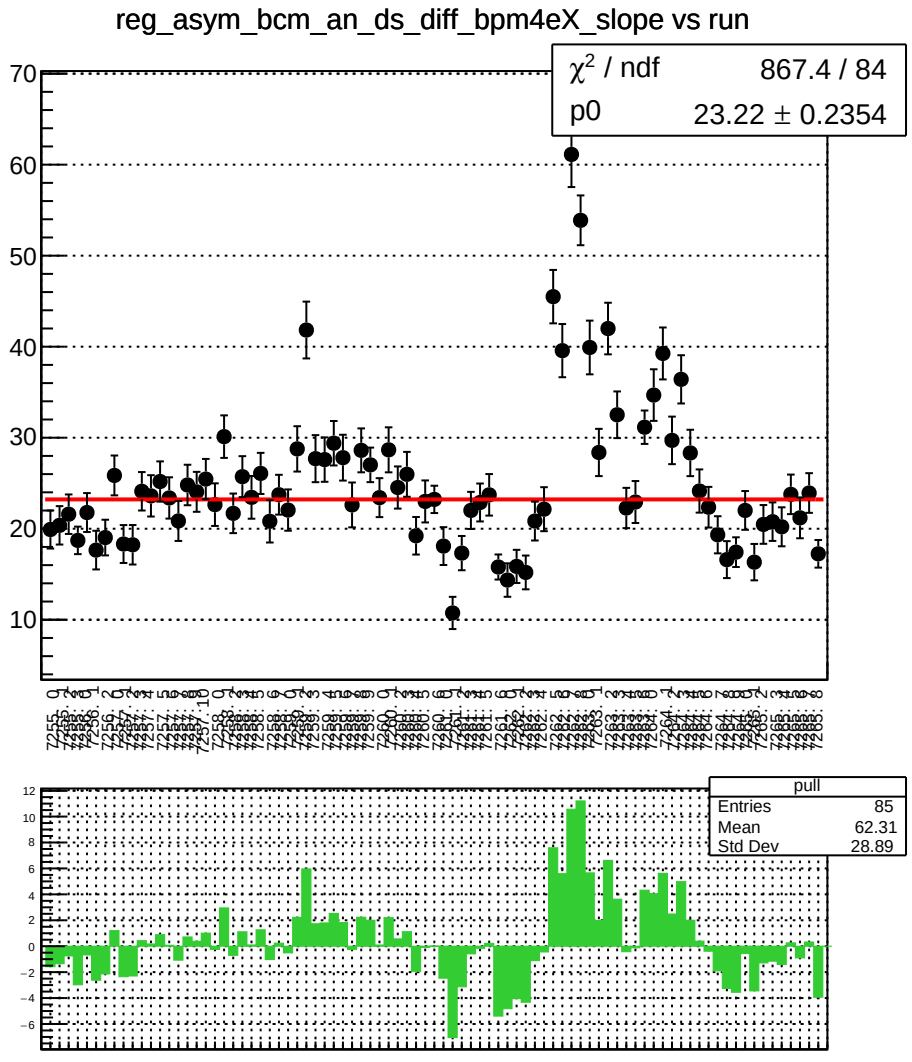

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 343.6 / 84
p0 −1.979 ± 0.2039
pull
Entries 85
Mean 729
Std Dev 684.5
pull1D
Entries 85
Mean 0.0298
Std Dev 2.01

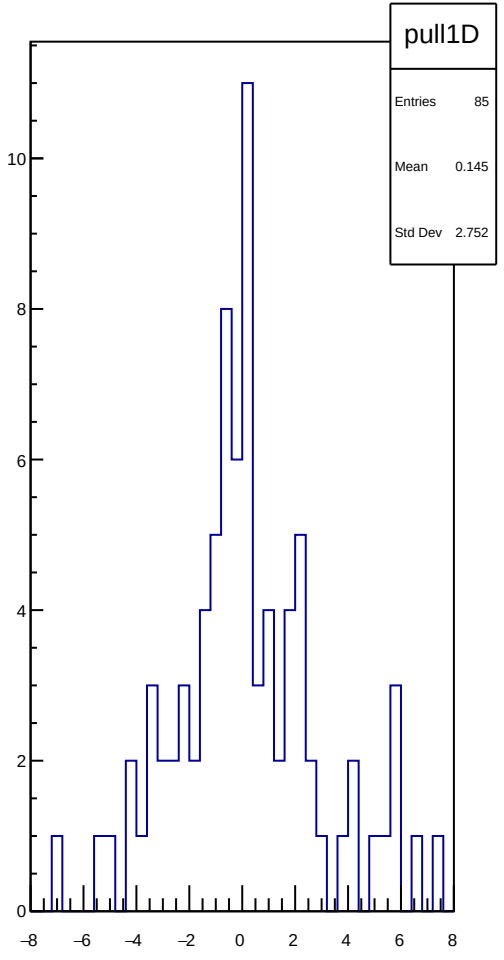

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 105.9 / 84
p0 0.08525 ± 0.00858
pull
Entries 85
Mean 78.1
Std Dev 16.58
pull1D
Entries 85
Mean 0.04188
Std Dev 1.115

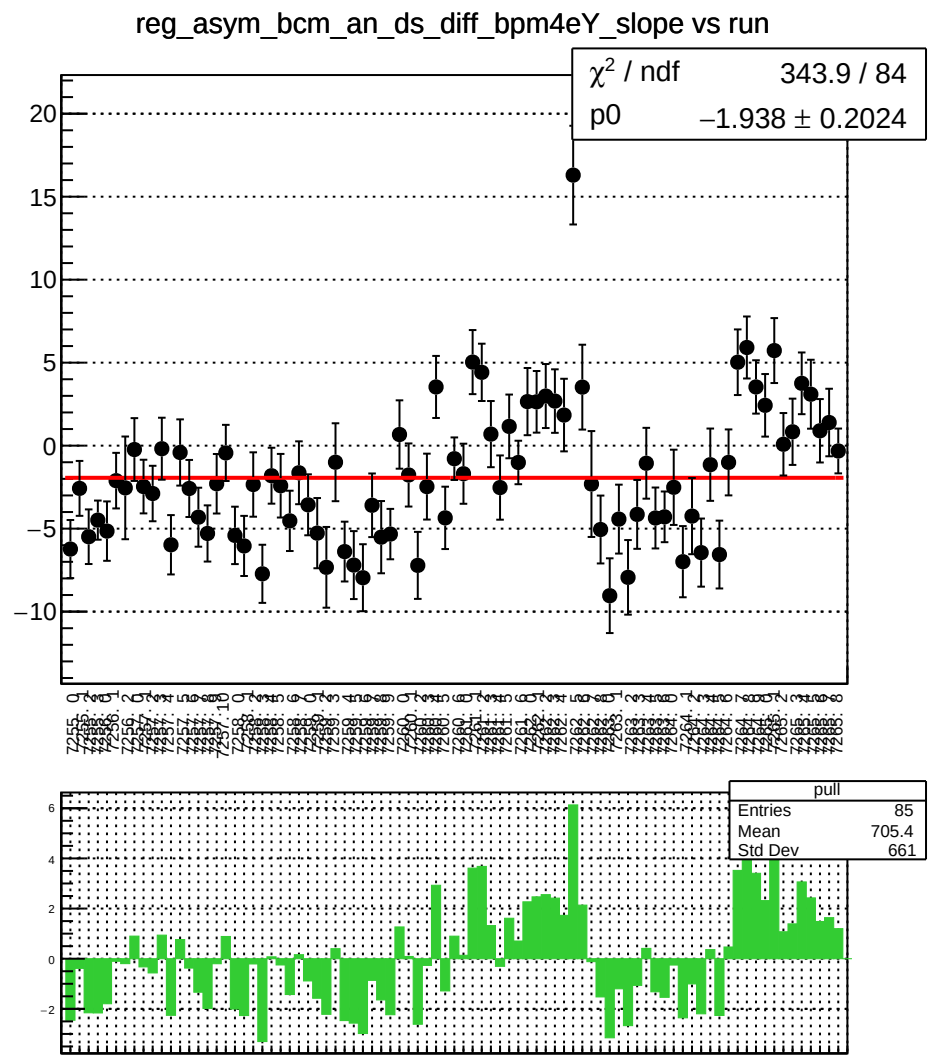

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 844.9 / 84
p0 −22.09 ± 0.217
pull
Entries 85
Mean 68.42
Std Dev 34.01

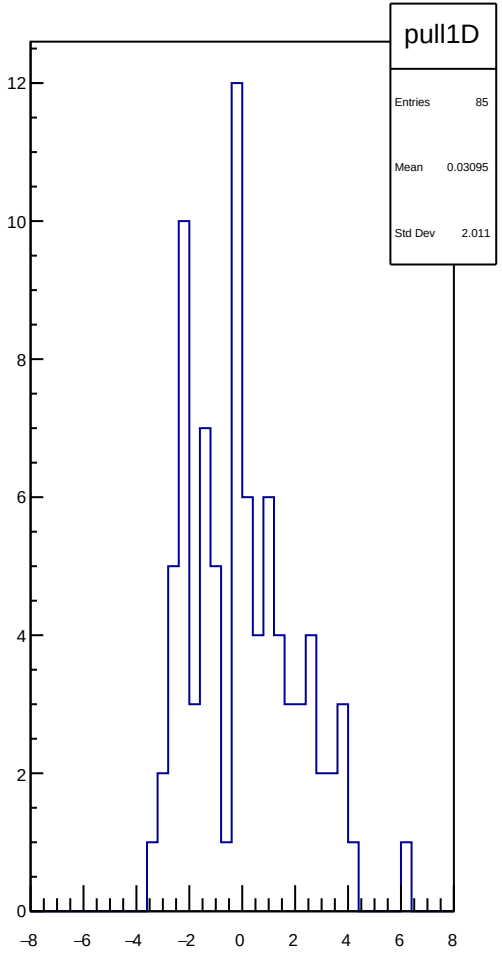

pull1D
Entries 85
Mean −0.1341
Std Dev 2.715

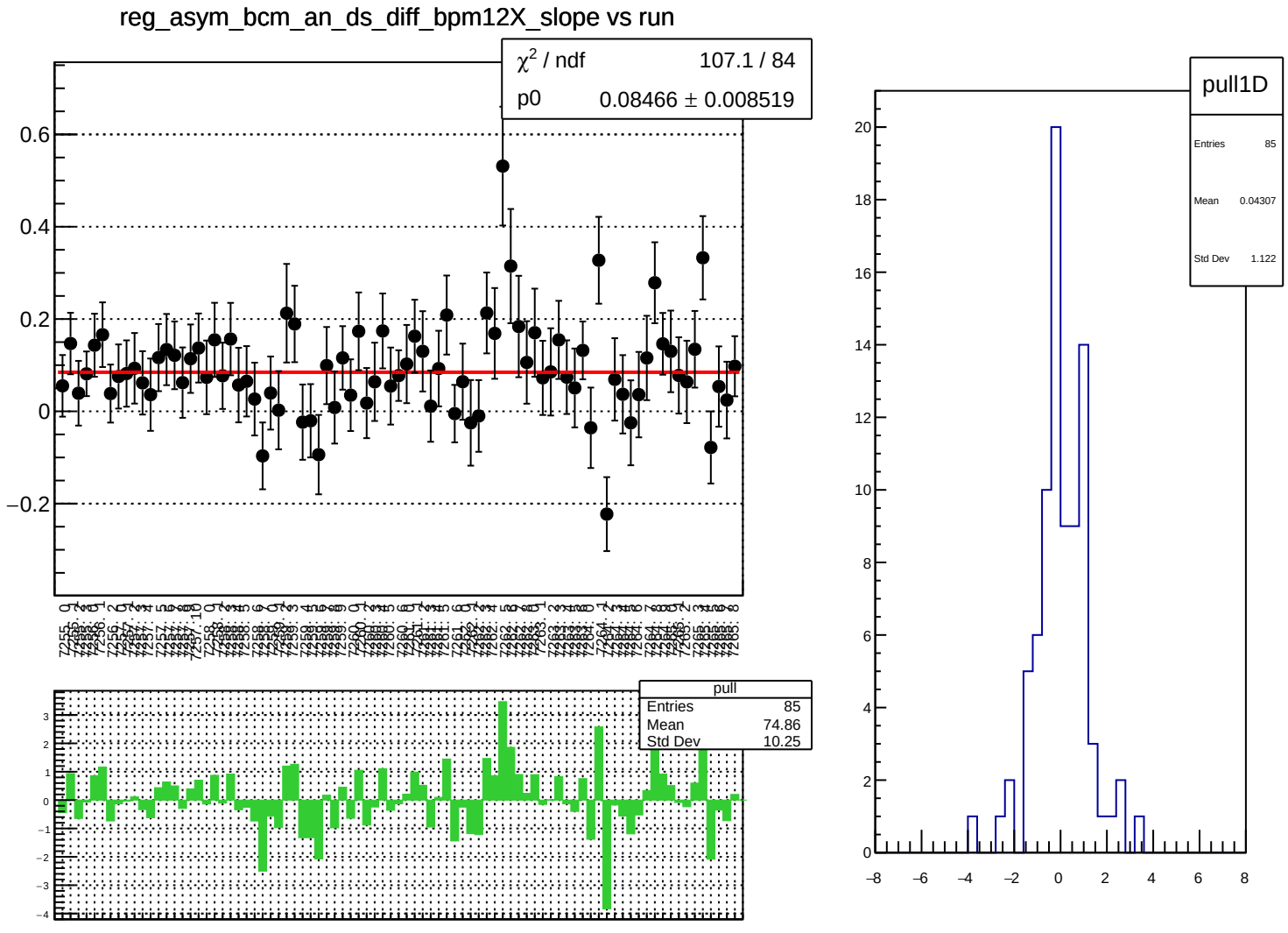

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 330.7 / 84
p0 1.207 ± 0.1923
pull
Entries 85
Mean 398.8
Std Dev 355
pull1D
Entries 85
Mean −0.0595
Std Dev 1.972

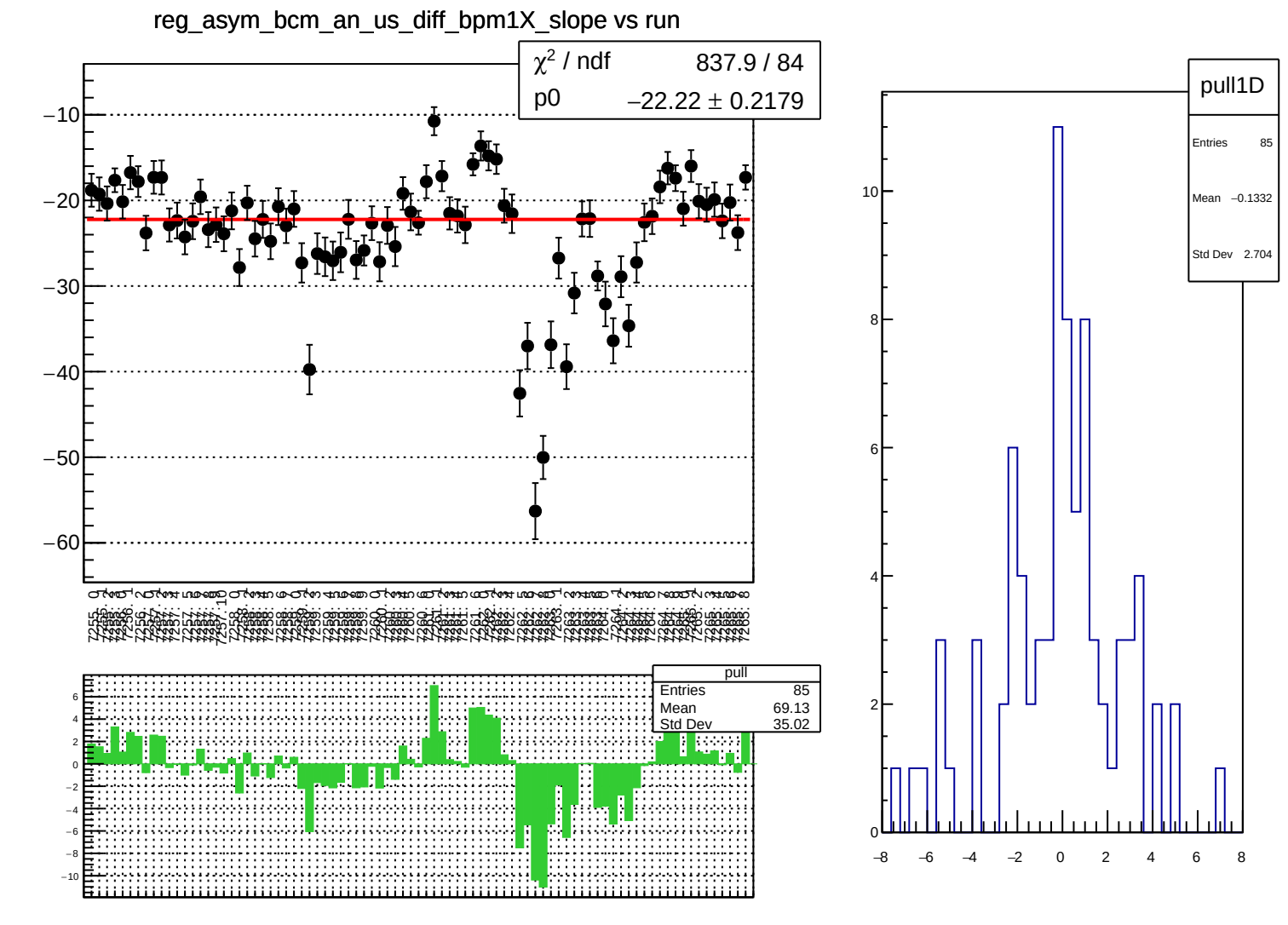

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 867.4 / 84
p0 23.22 ± 0.2354
pull
Entries 85
Mean 62.31
Std Dev 28.89

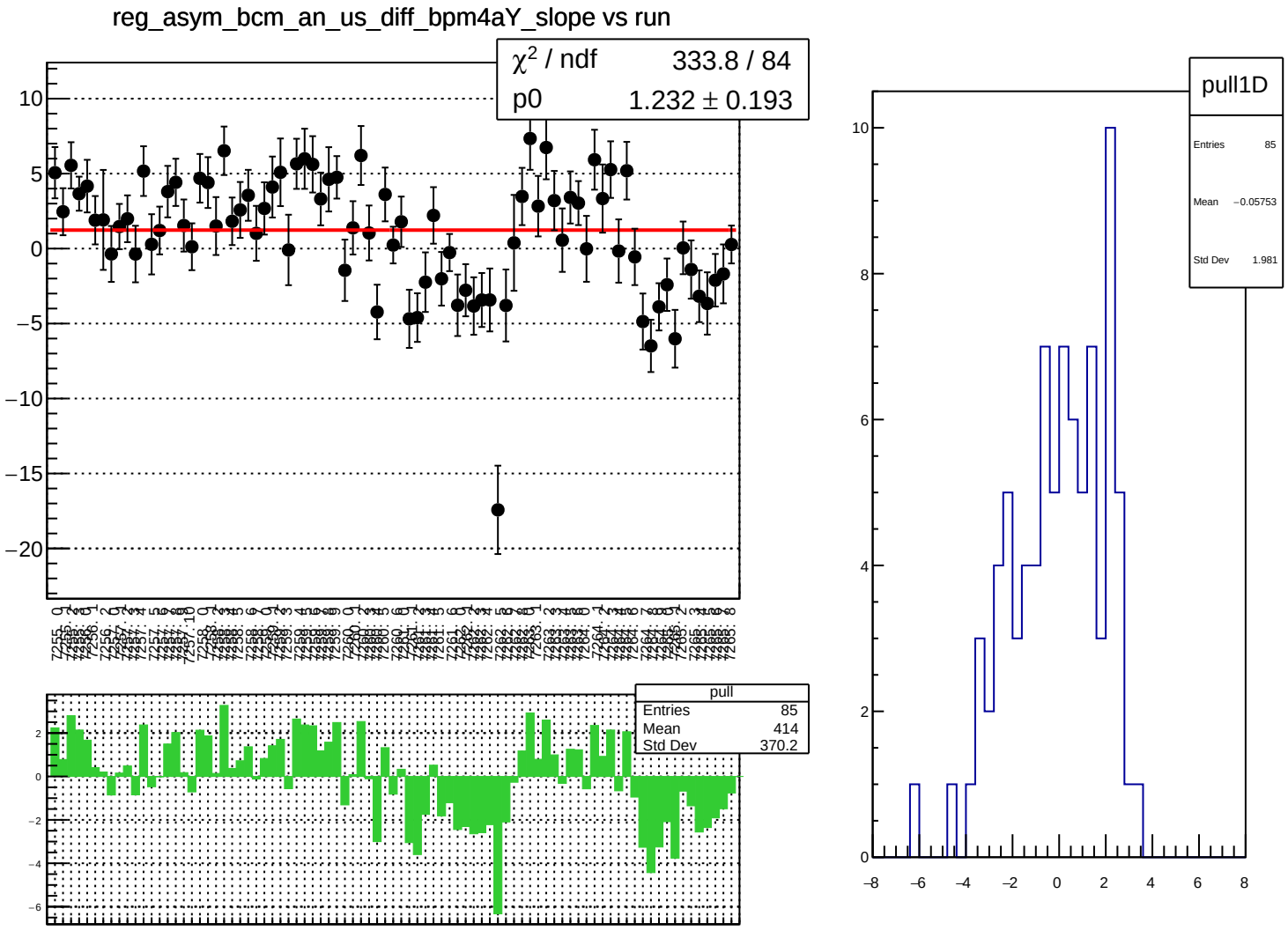

pull1D
Entries 85
Mean 0.145
Std Dev 2.752

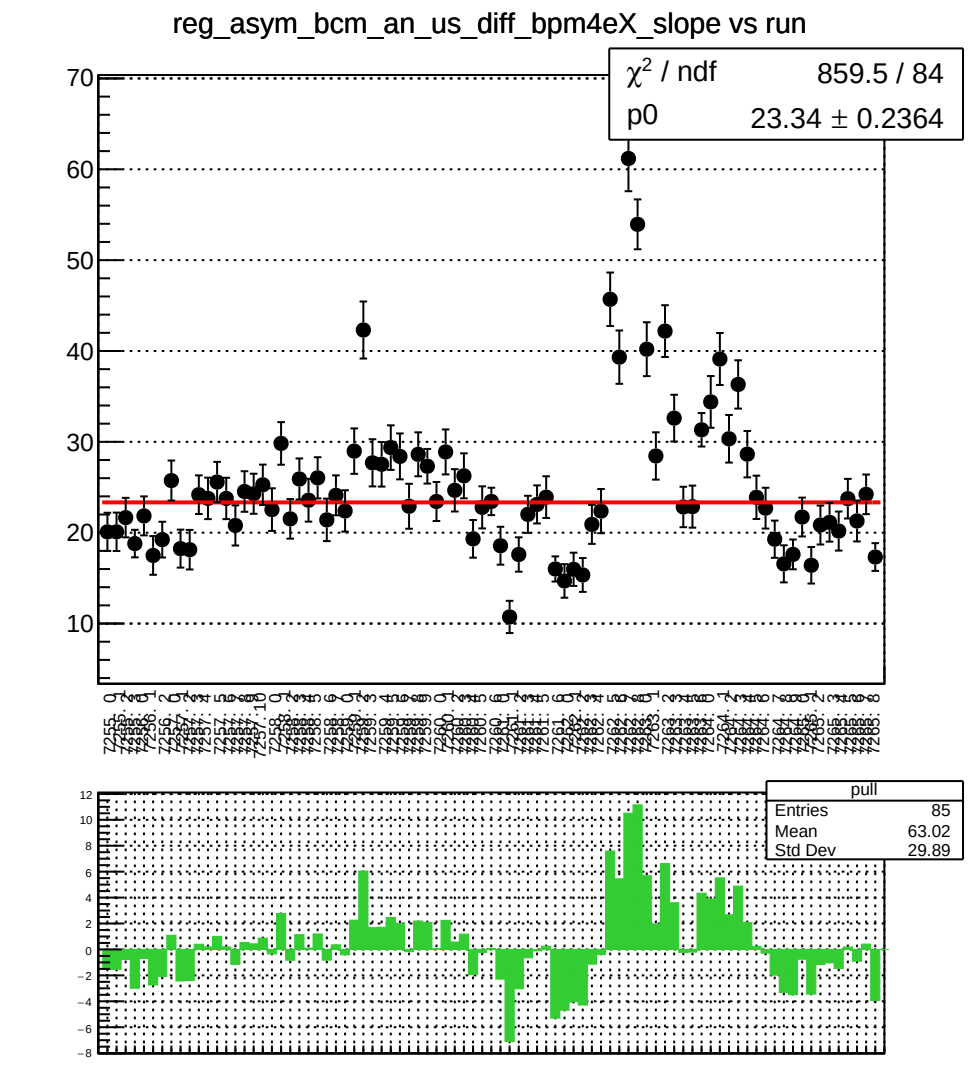

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 343.9 / 84
p0 −1.938 ± 0.2024
pull
Entries 85
Mean 705.4
Std Dev 661

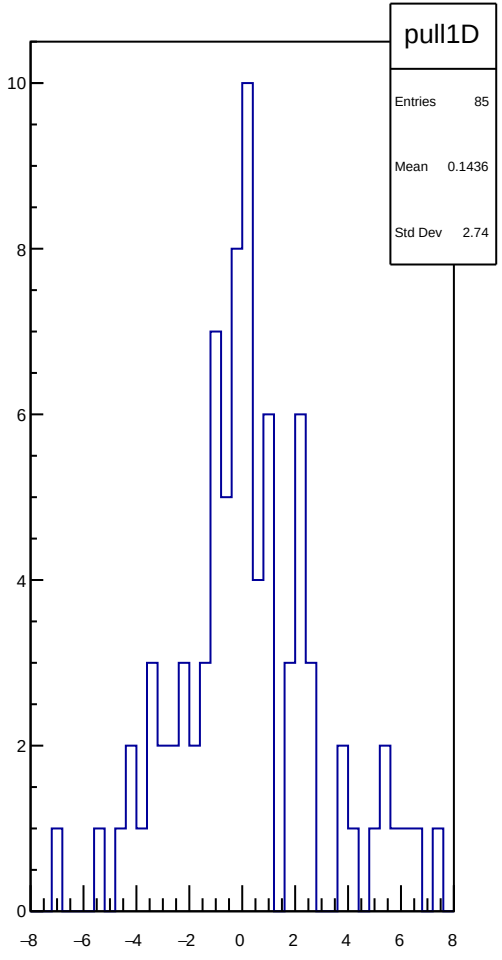

pull1D
Entries 85
Mean 0.03095
Std Dev 2.011

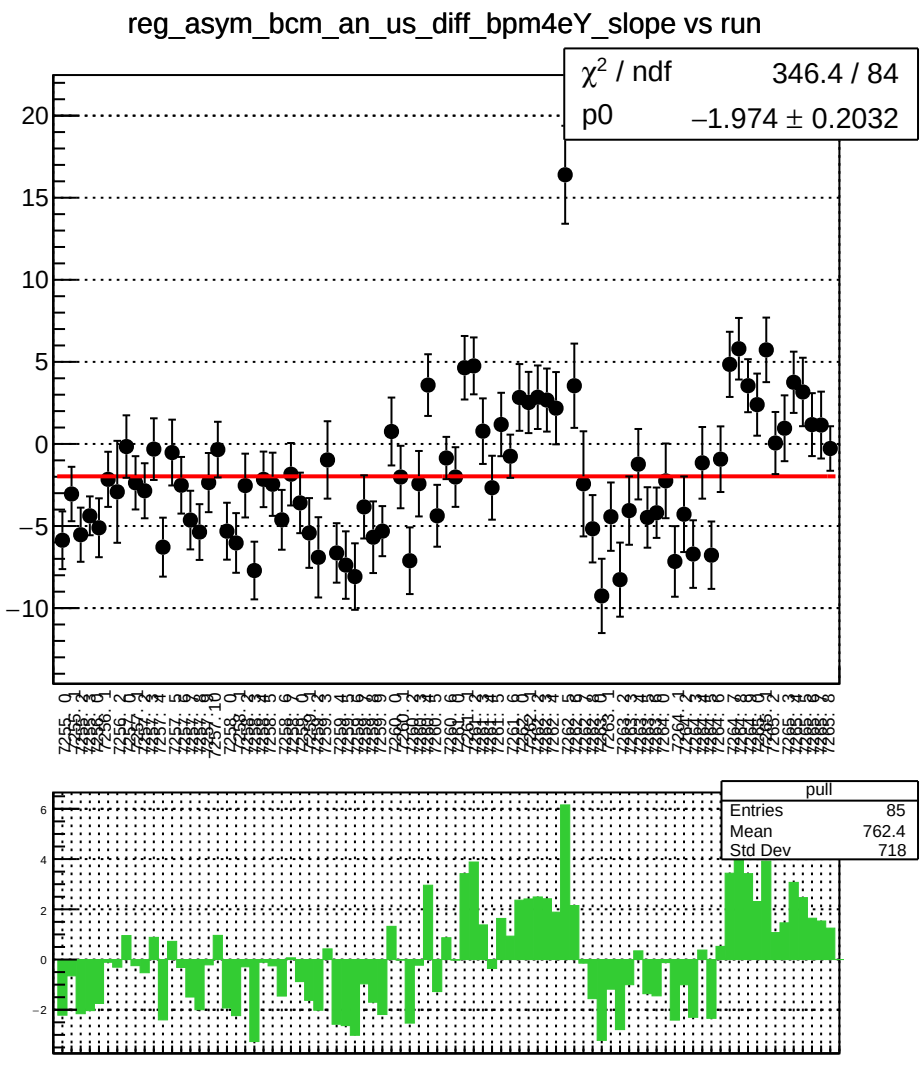

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 107.1 / 84
p0 0.08466 ± 0.008519
pull
Entries 85
Mean 74.86
Std Dev 10.25
pull1D
Entries 85
Mean 0.04307
Std Dev 1.122

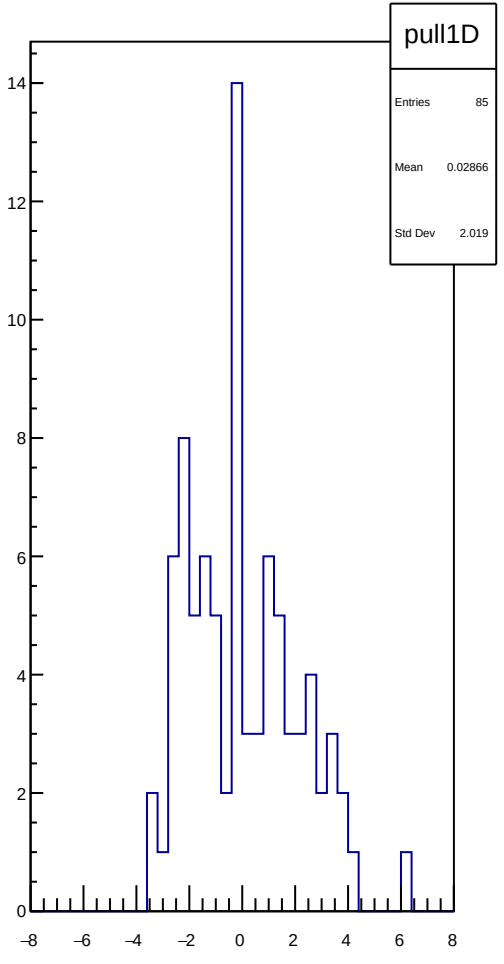

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 837.9 / 84
p0 −22.22 ± 0.2179
pull
Entries 85
Mean 69.13
Std Dev 35.02
pull1D
Entries 85
Mean −0.1332
Std Dev 2.704

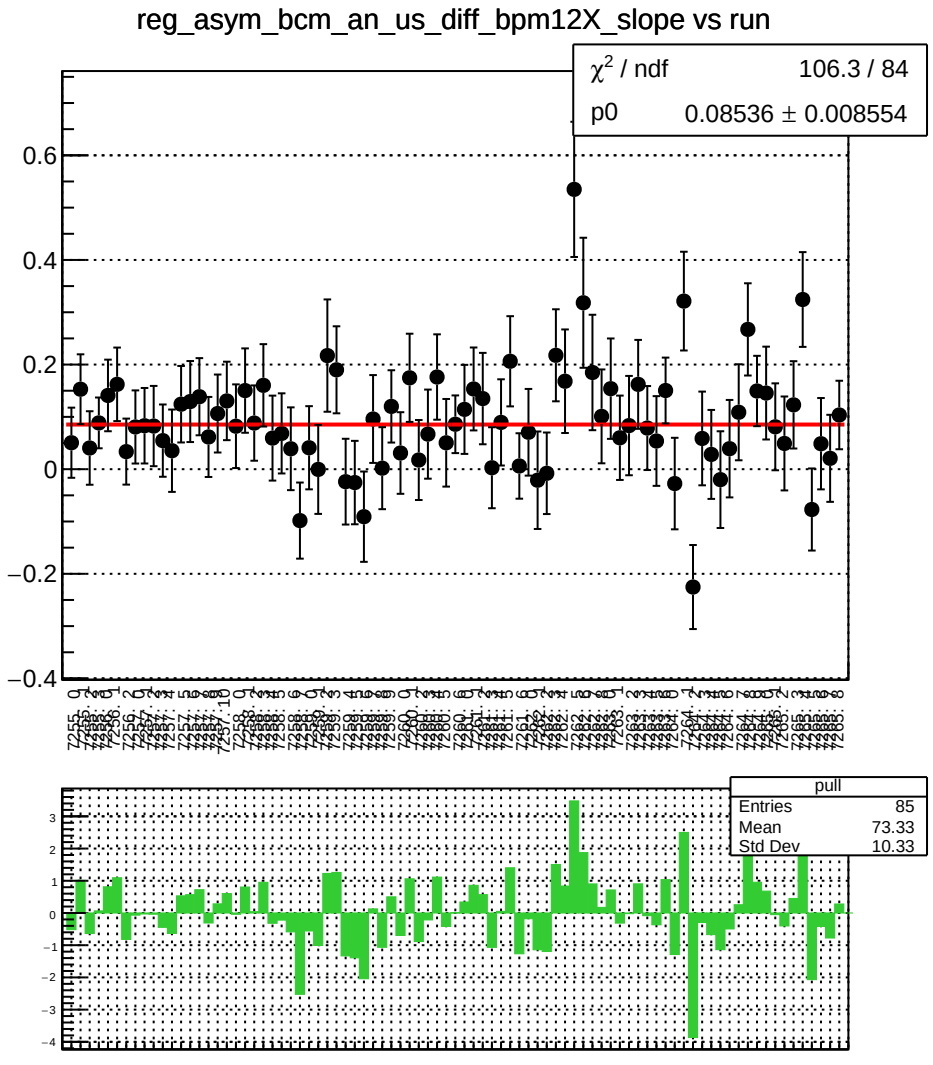

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 333.8 / 84
p0 1.232 ± 0.193
pull
Entries 85
Mean 414
Std Dev 370.2
pull1D
Entries 85
Mean −0.05753
Std Dev 1.981

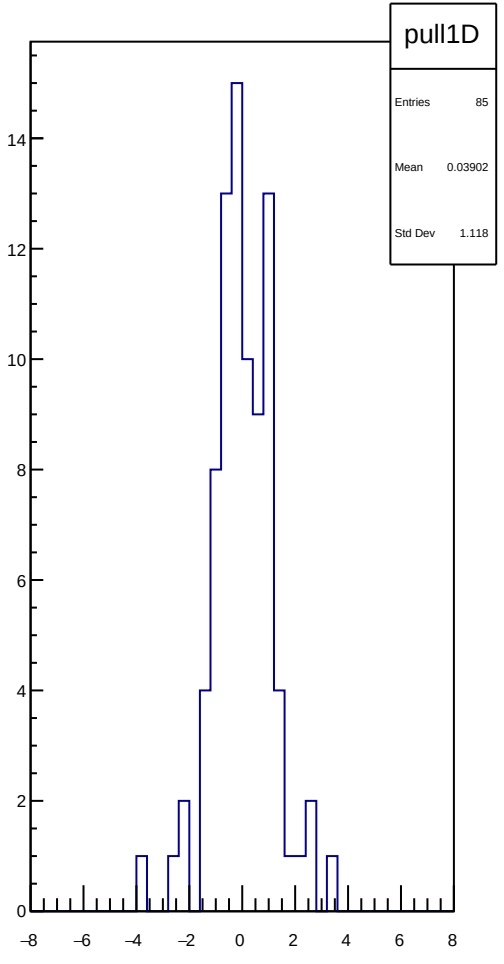

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 859.5 / 84
p0 23.34 ± 0.2364
pull
Entries 85
Mean 63.02
Std Dev 29.89

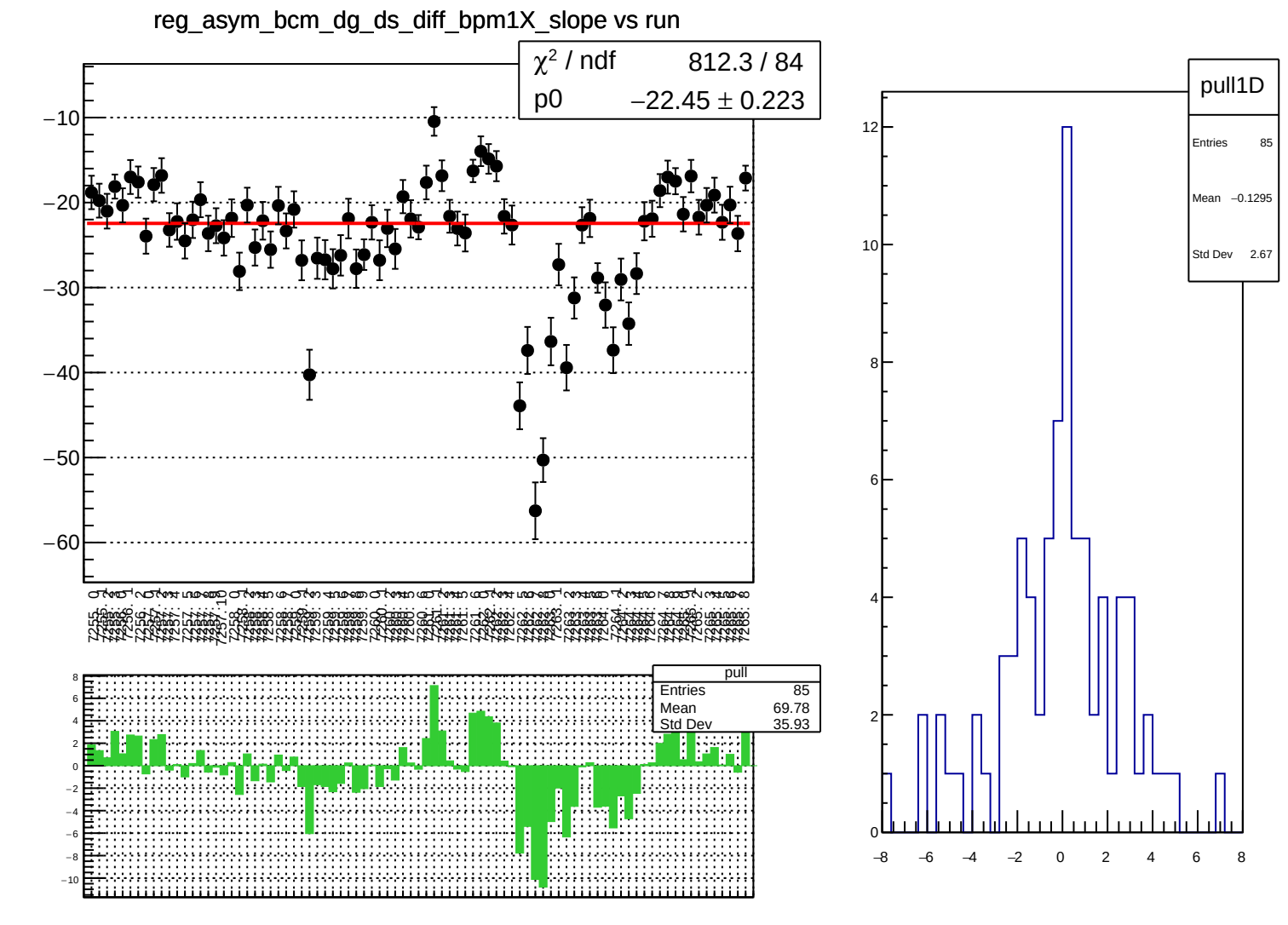

pull1D
Entries 85
Mean 0.1436
Std Dev 2.74

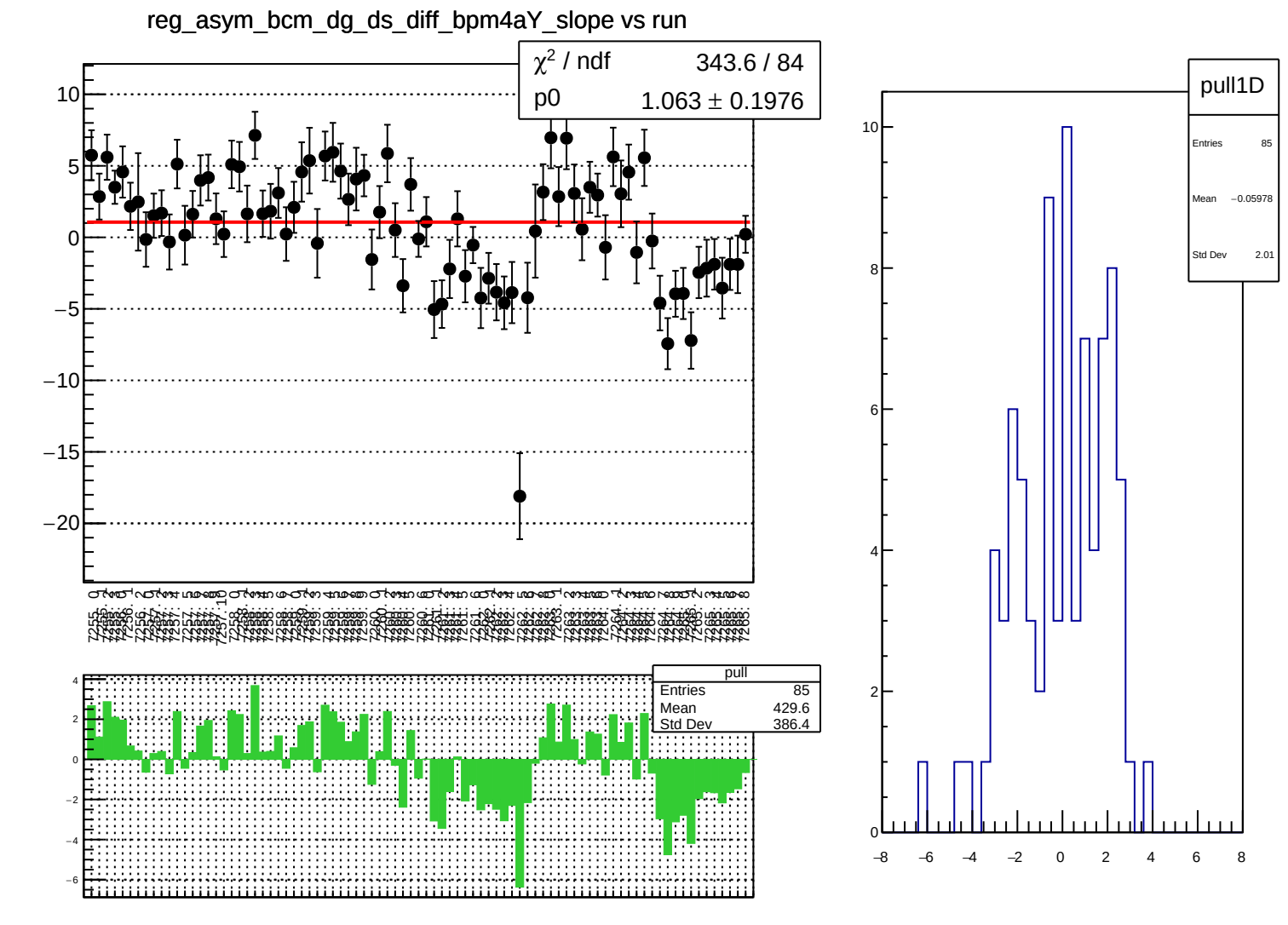

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 346.4 / 84
p0 −1.974 ± 0.2032
pull
Entries 85
Mean 762.4
Std Dev 718

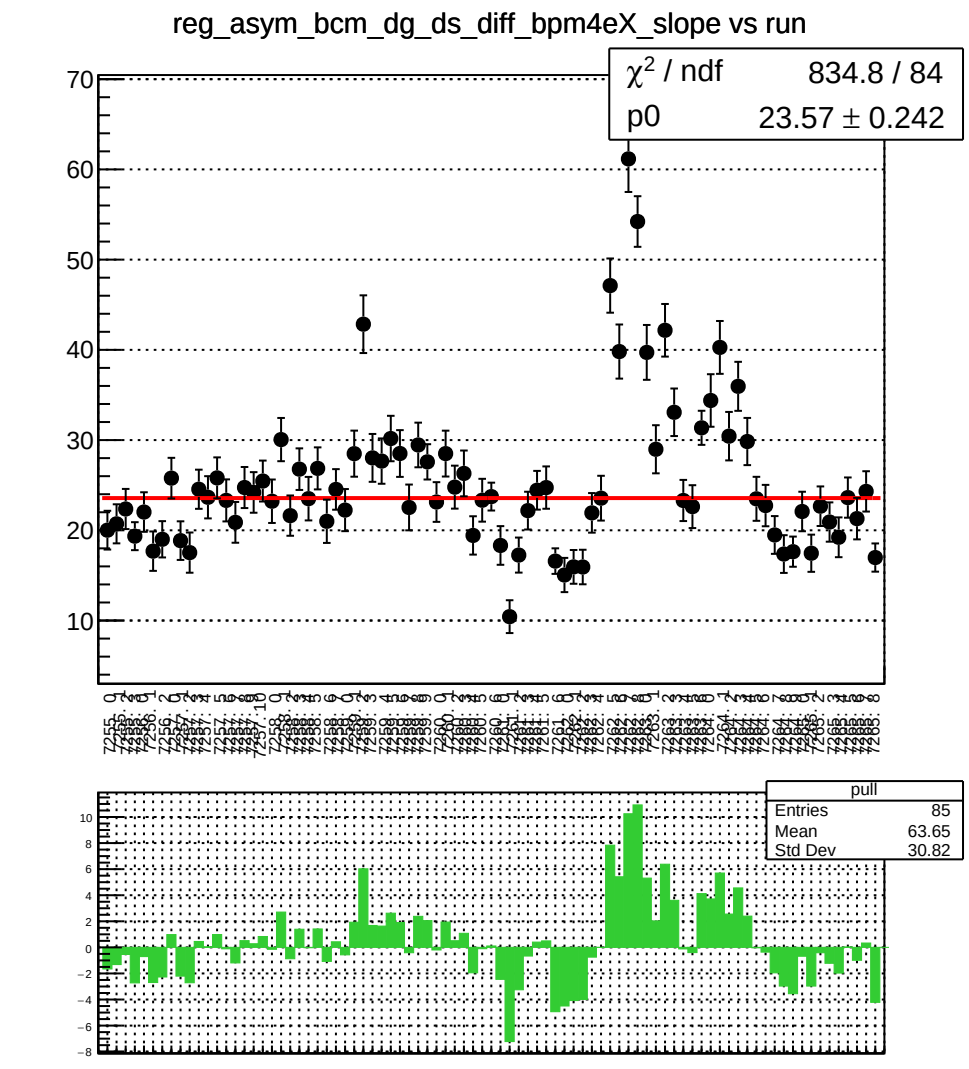

pull1D
Entries 85
Mean 0.02866
Std Dev 2.019

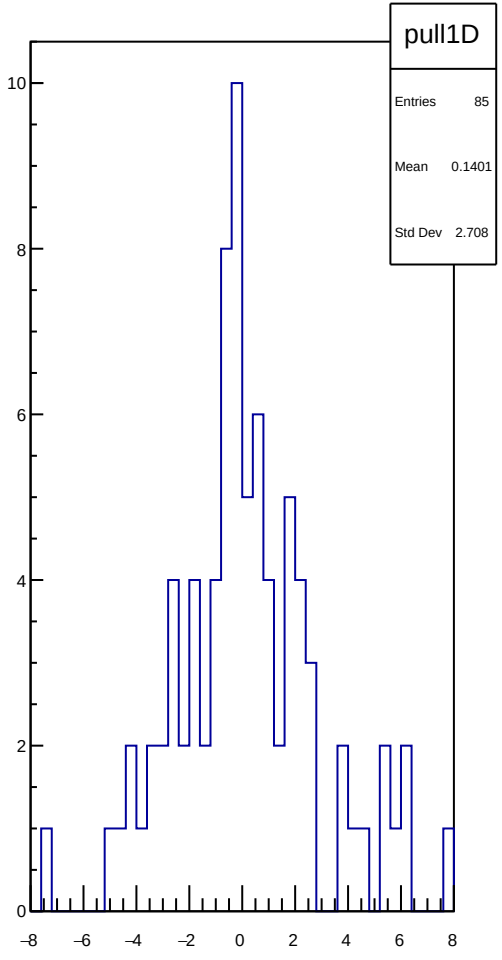

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 106.3 / 84
p0 0.08536 ± 0.008554
pull
Entries 85
Mean 73.33
Std Dev 10.33

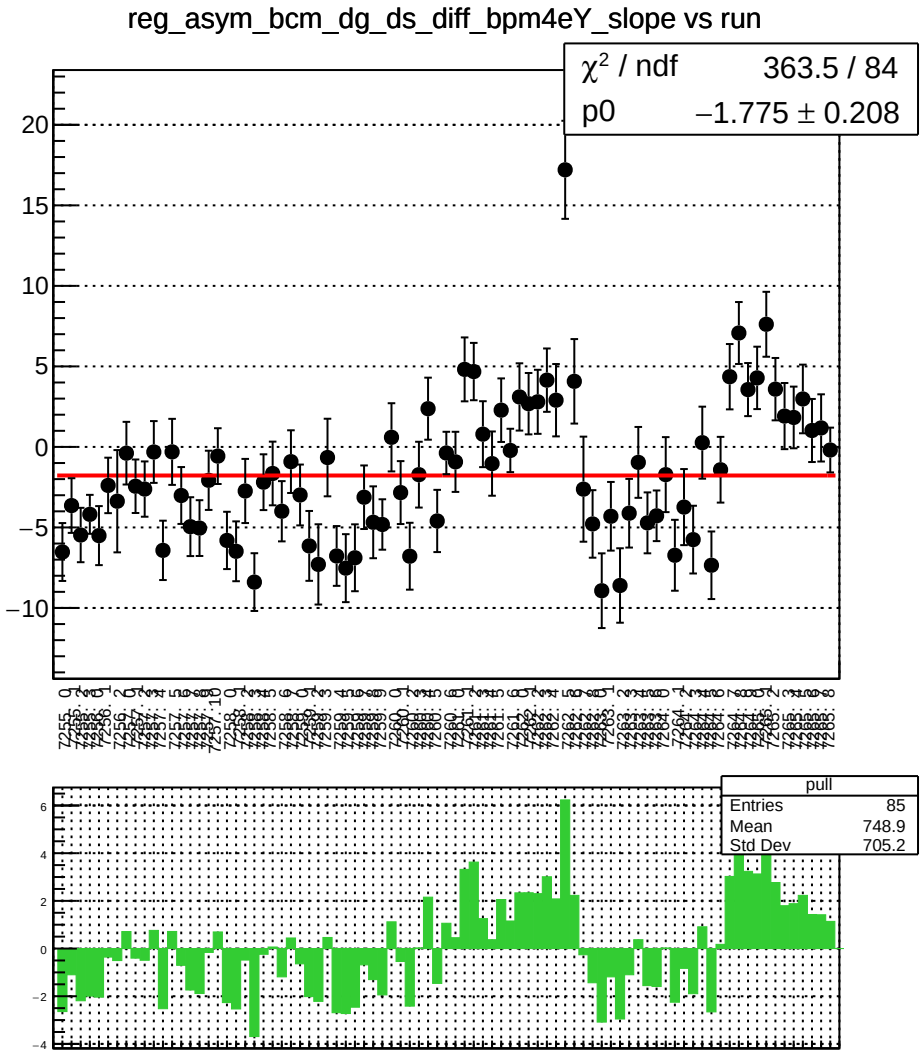

pull1D
Entries 85
Mean 0.03902
Std Dev 1.118

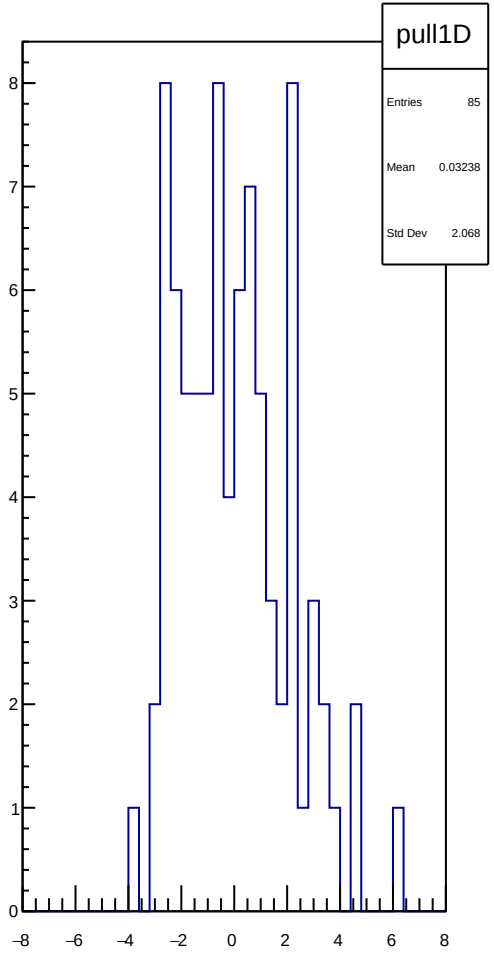

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 812.3 / 84
p0 −22.45 ± 0.223
pull
Entries 85
Mean 69.78
Std Dev 35.93
pull1D
Entries 85
Mean −0.1295
Std Dev 2.67

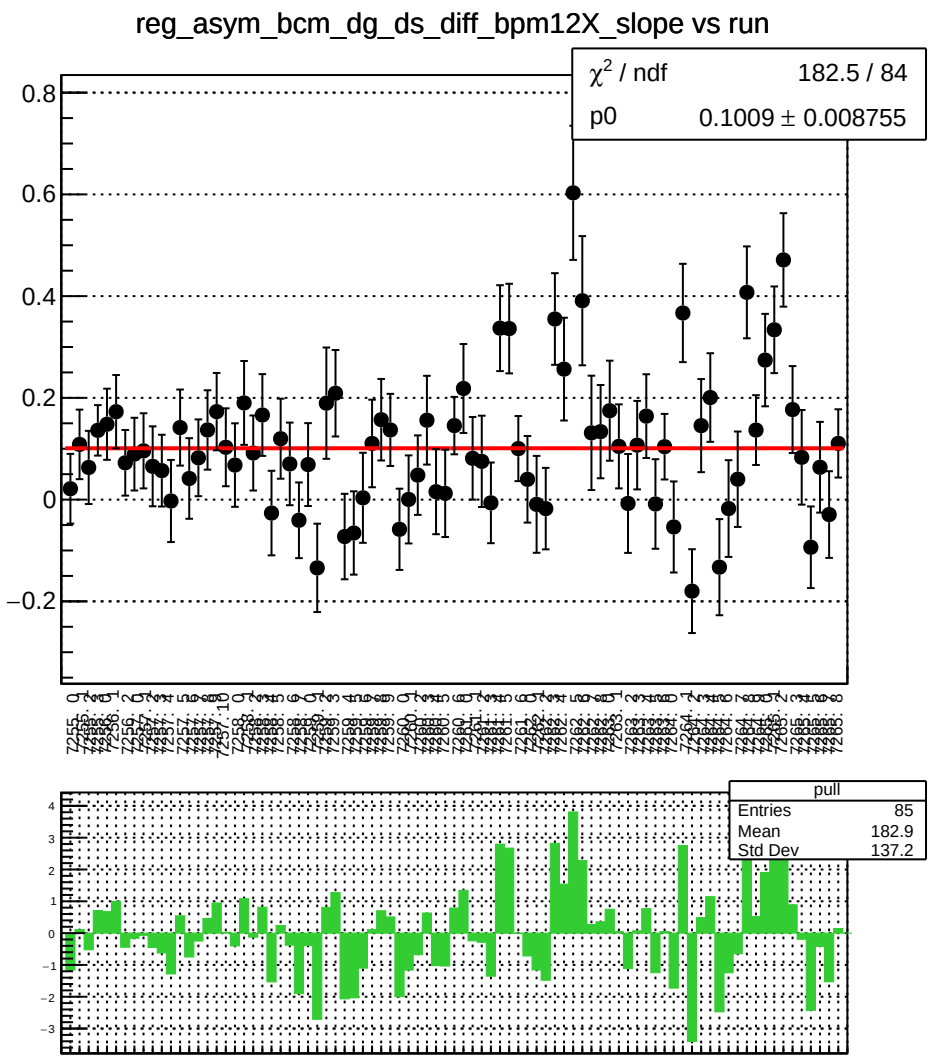

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 343.6 / 84
p0 1.063 ± 0.1976
pull
Entries 85
Mean 429.6
Std Dev 386.4
pull1D
Entries 85
Mean −0.05978
Std Dev 2.01

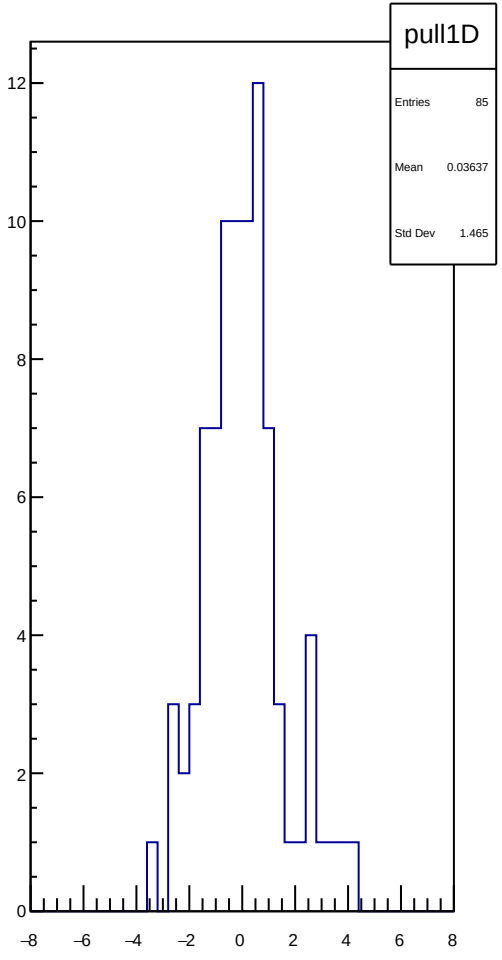

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 834.8 / 84
p0 23.57 ± 0.242
pull
Entries 85
Mean 63.65
Std Dev 30.82

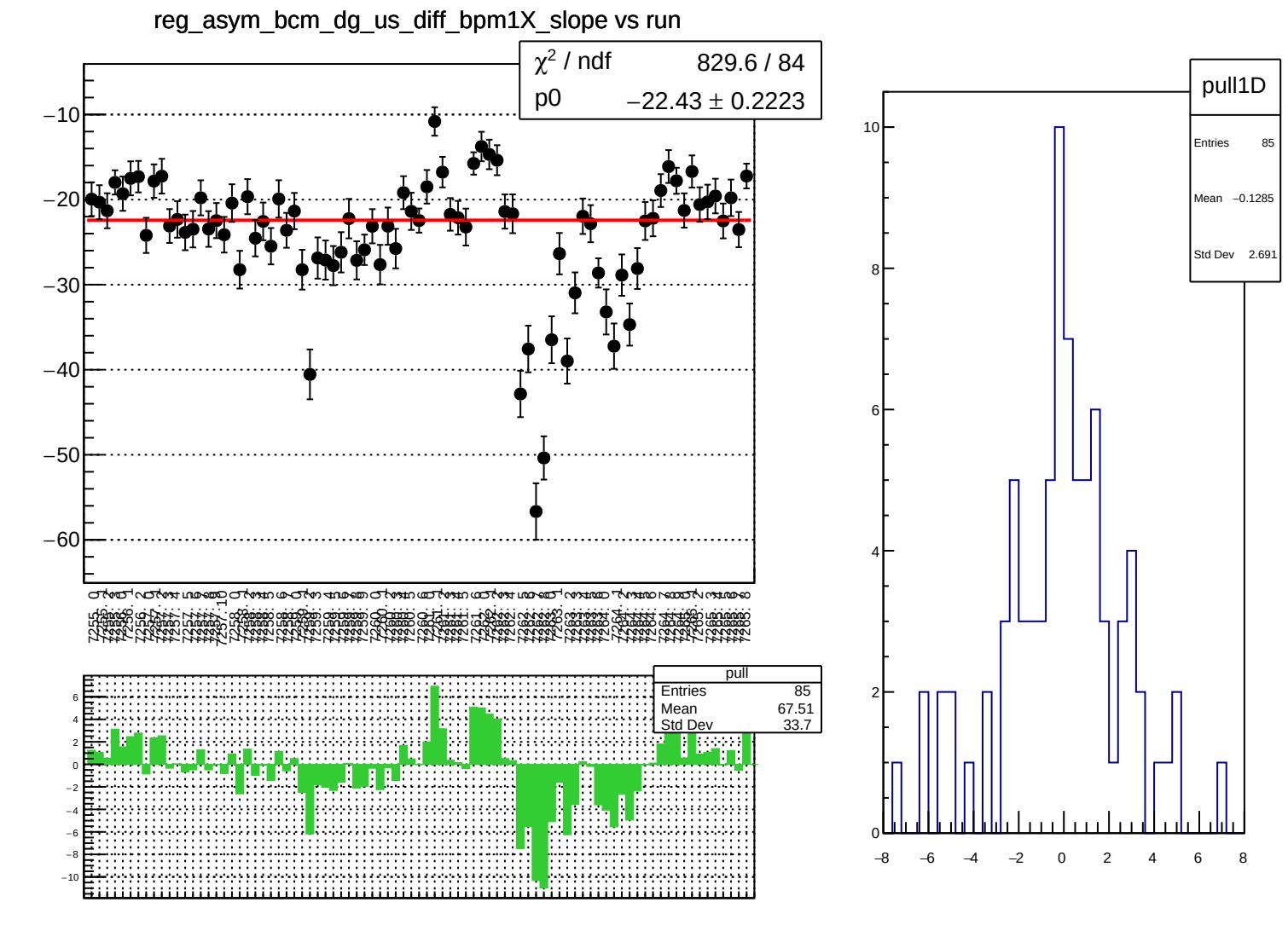

pull1D
Entries 85
Mean 0.1401
Std Dev 2.708

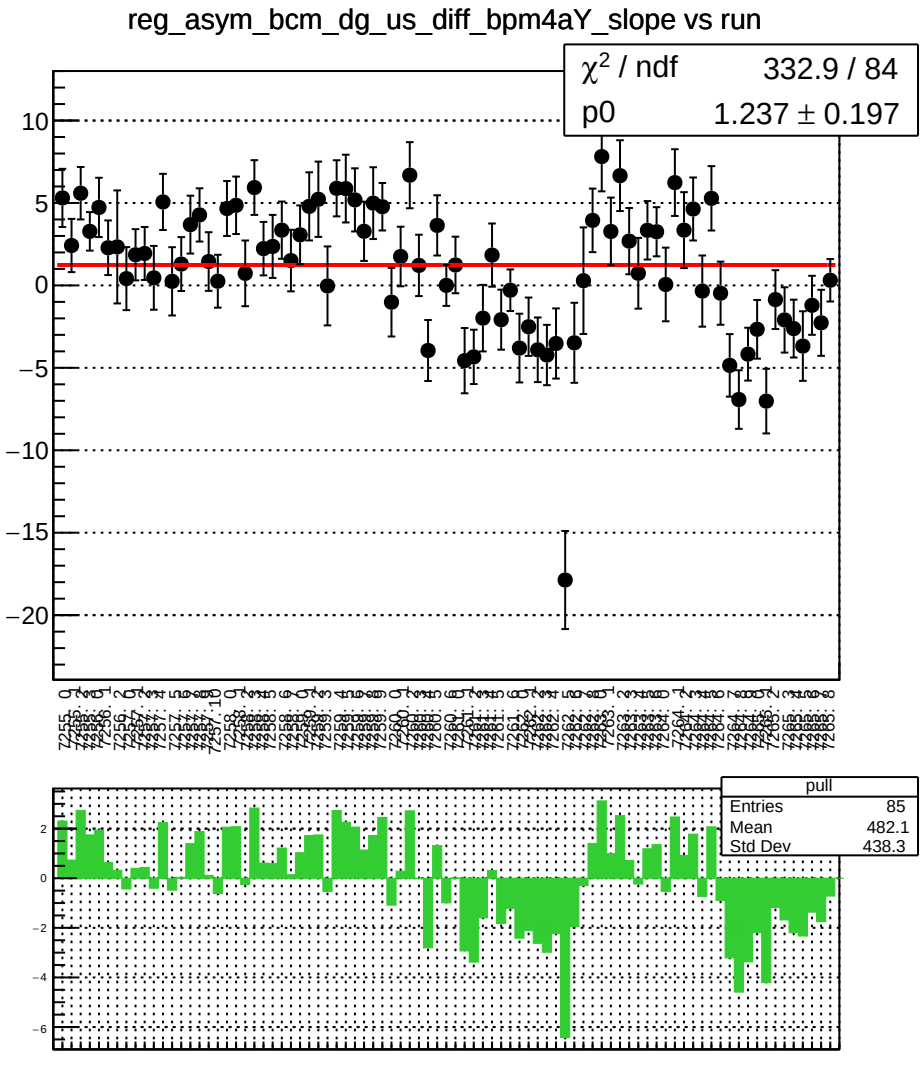

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 363.5 / 84
p0 −1.775 ± 0.208
pull
Entries 85
Mean 748.9
Std Dev 705.2

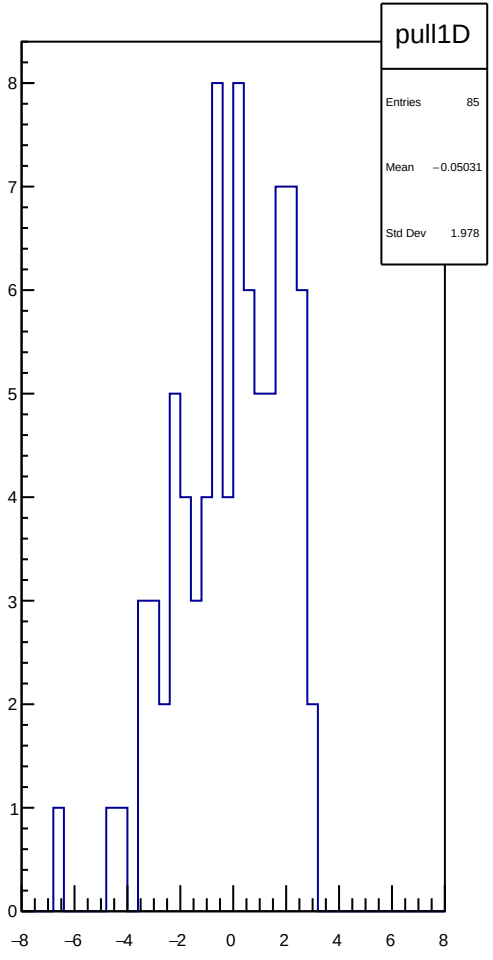

pull1D
Entries 85
Mean 0.03238
Std Dev 2.068

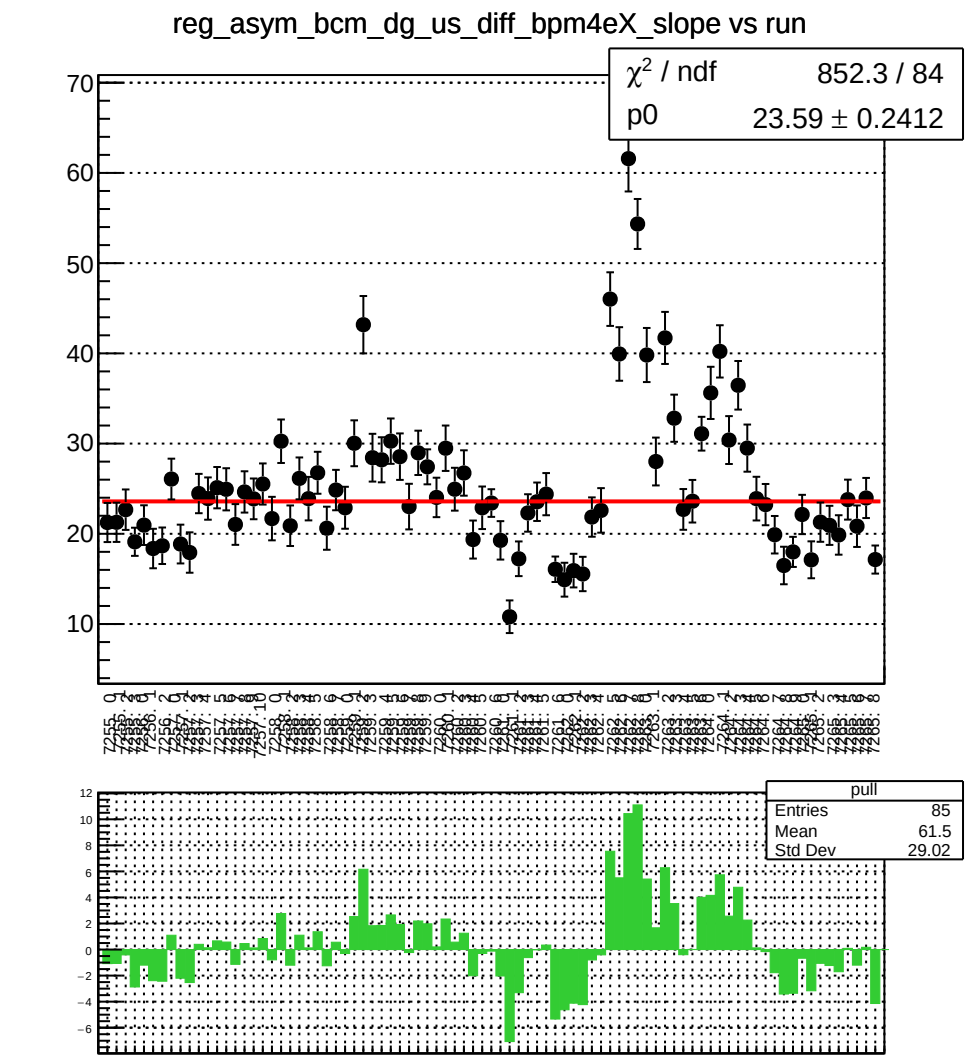

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 182.5 / 84
p0 0.1009 ± 0.008755
pull
Entries 85
Mean 182.9
Std Dev 137.2

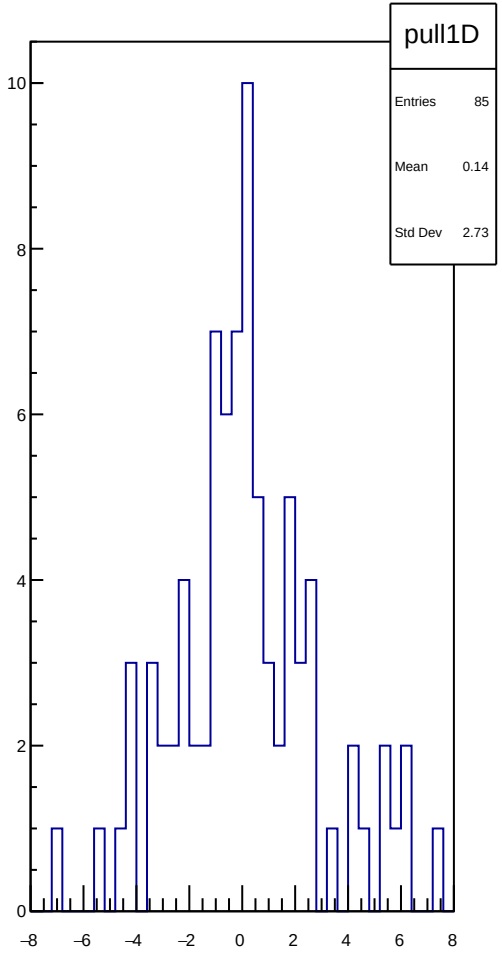

pull1D
Entries 85
Mean 0.03637
Std Dev 1.465

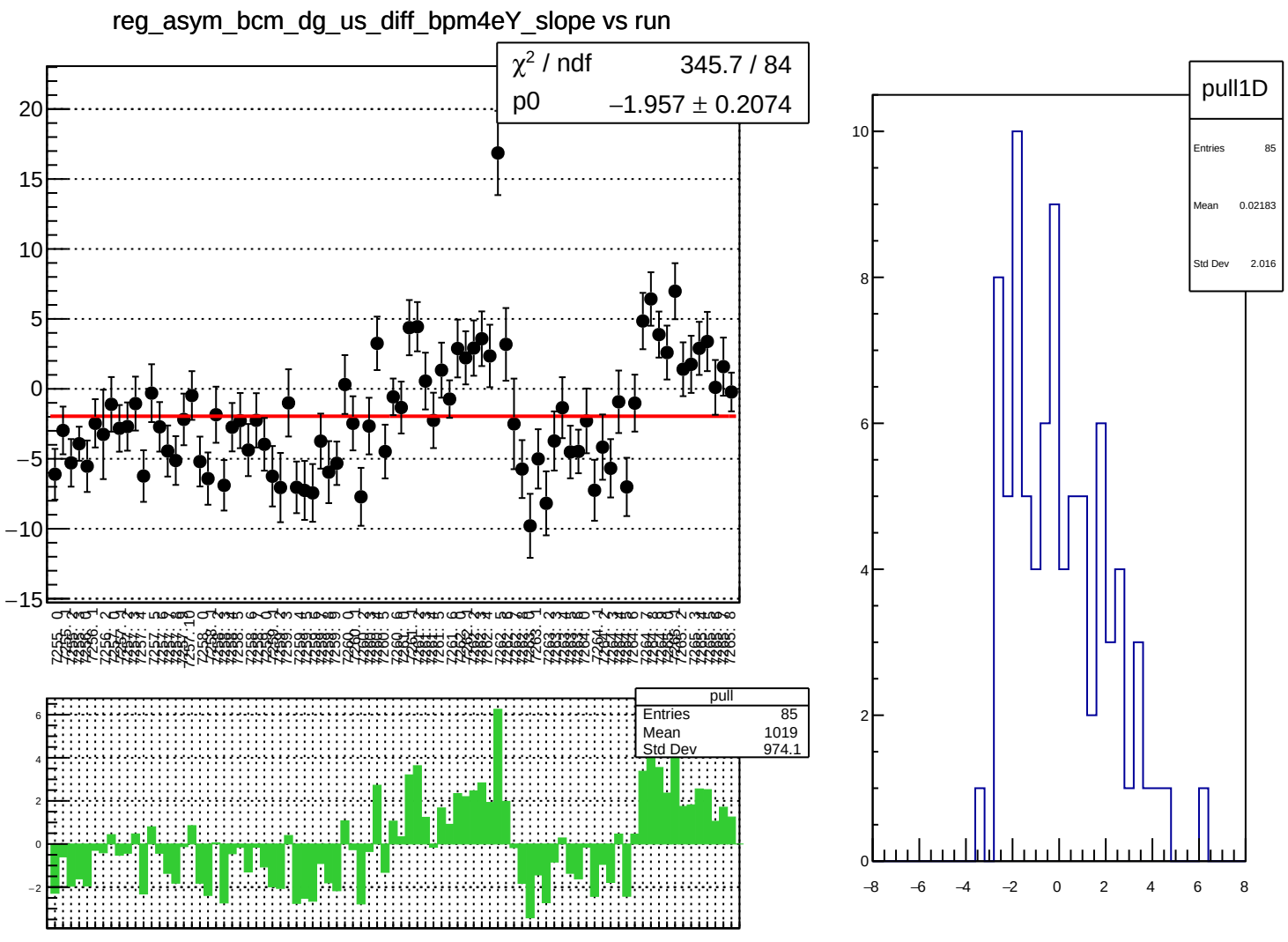

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 829.6 / 84
p0 −22.43 ± 0.2223
pull
Entries 85
Mean 67.51
Std Dev 33.7
pull1D
Entries 85
Mean −0.1285
Std Dev 2.691

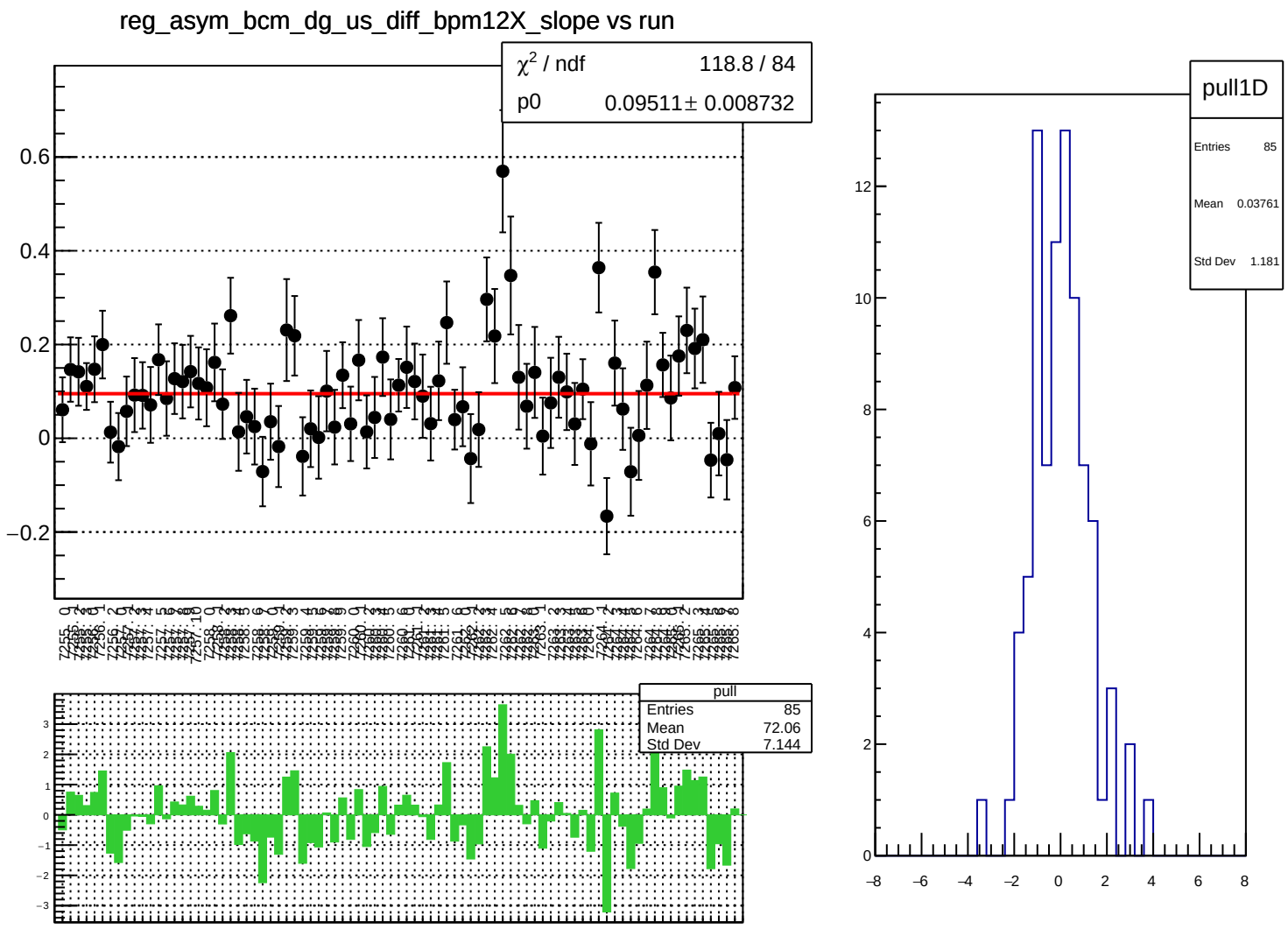

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 332.9 / 84
p0 1.237 ± 0.197
pull
Entries 85
Mean 482.1
Std Dev 438.3


pull1D
Entries 85
Mean −0.05031
Std Dev 1.978


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 852.3 / 84
p0 23.59 ± 0.2412
pull
Entries 85
Mean 61.5
Std Dev 29.02


pull1D
Entries 85
Mean 0.14
Std Dev 2.73


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 345.7 / 84
p0 −1.957 ± 0.2074
pull
Entries 85
Mean 1019
Std Dev 974.1
pull1D
Entries 85
Mean 0.02183
Std Dev 2.016


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 118.8 / 84
p0 0.09511 ± 0.008732
pull
Entries 85
Mean 72.06
Std Dev 7.144
pull1D
Entries 85
Mean 0.03761
Std Dev 1.181