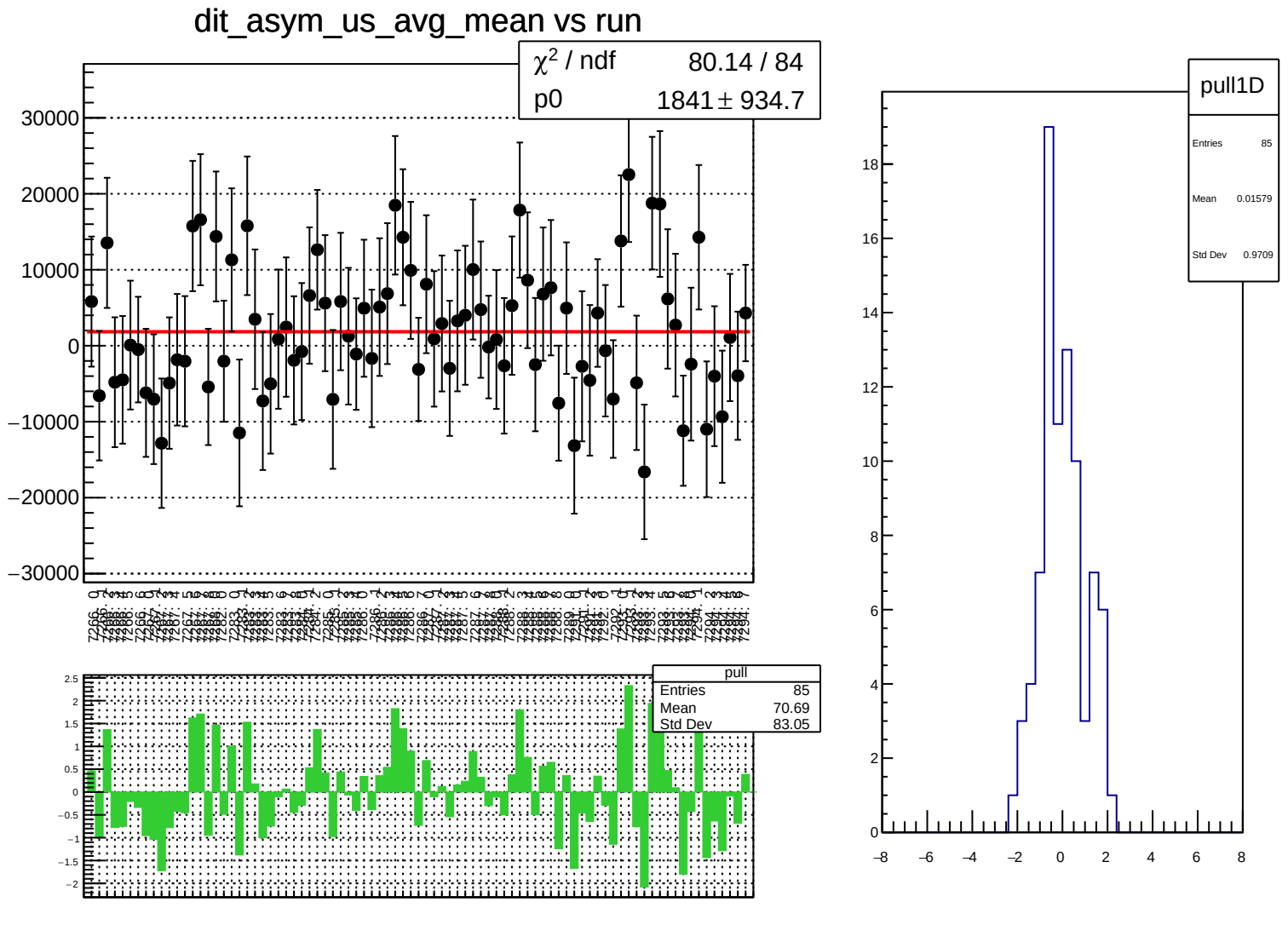
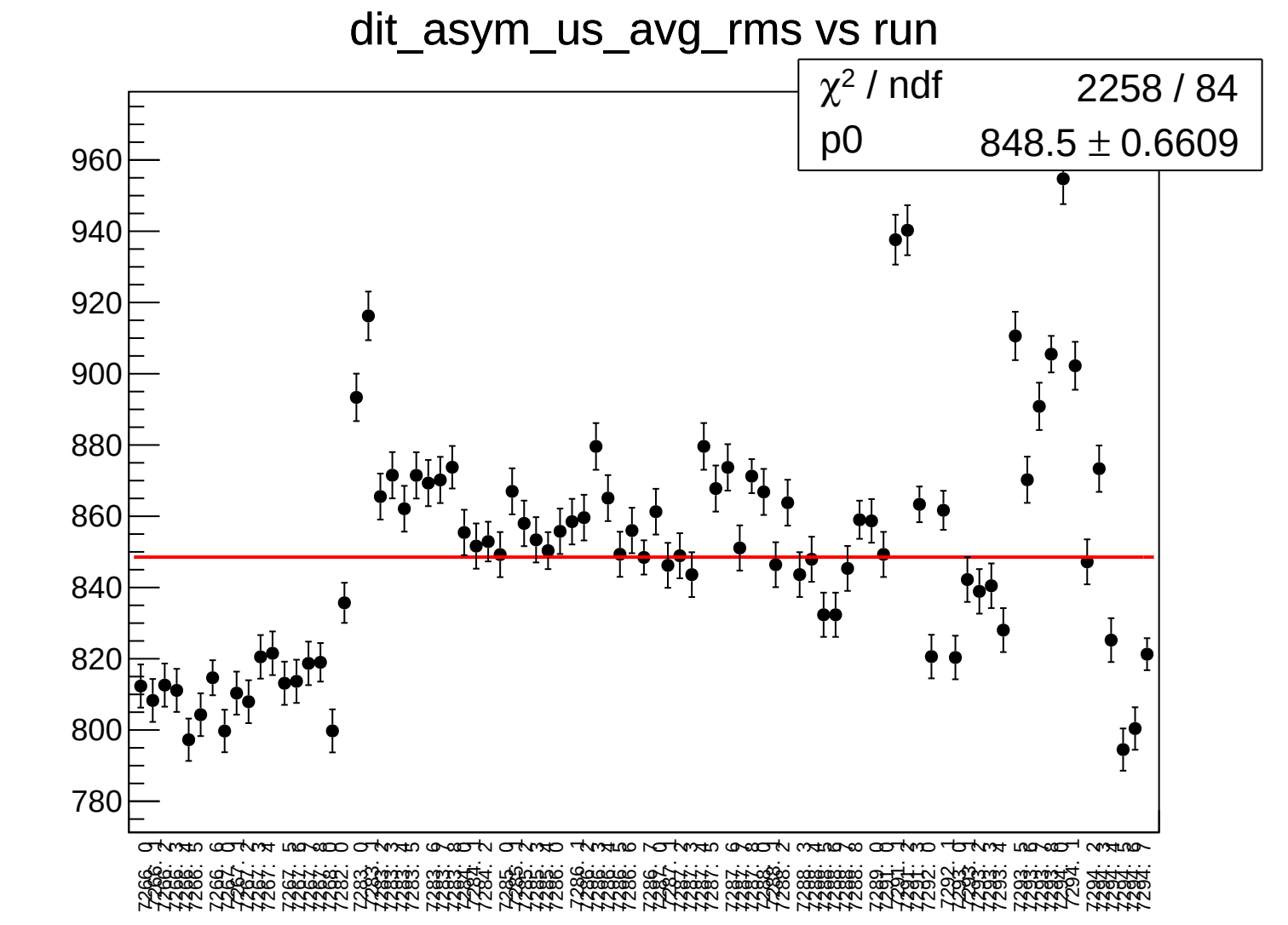
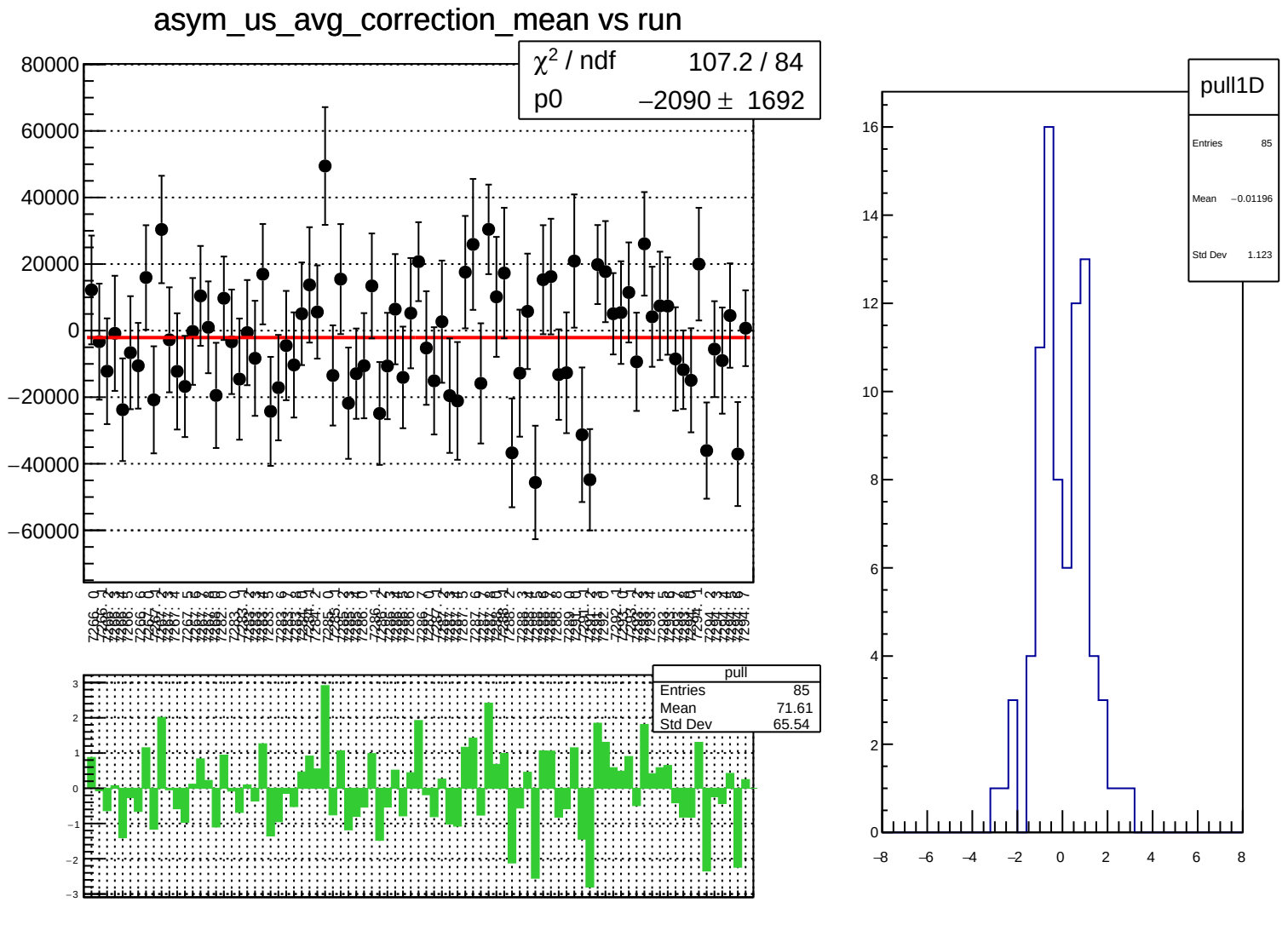
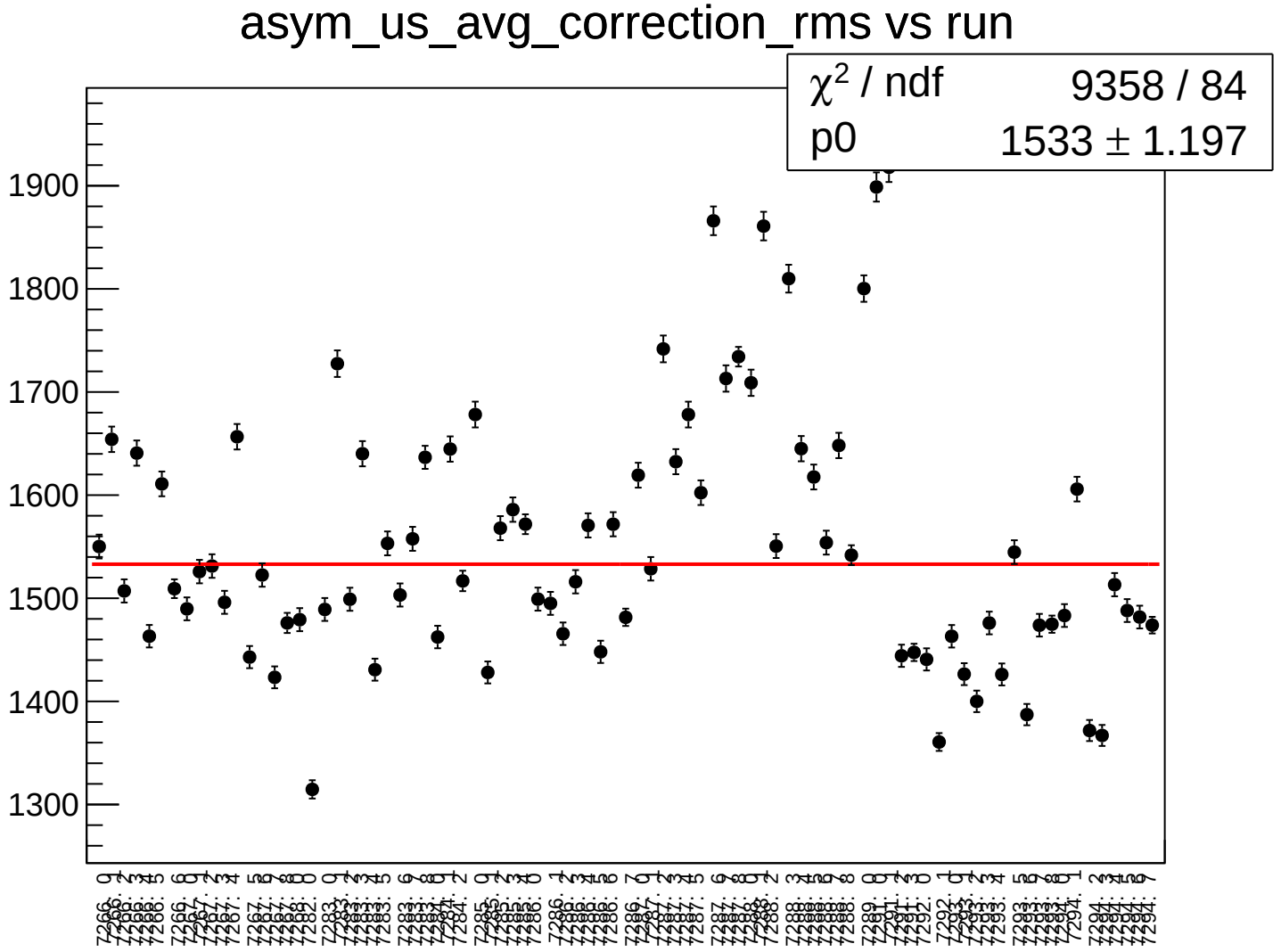
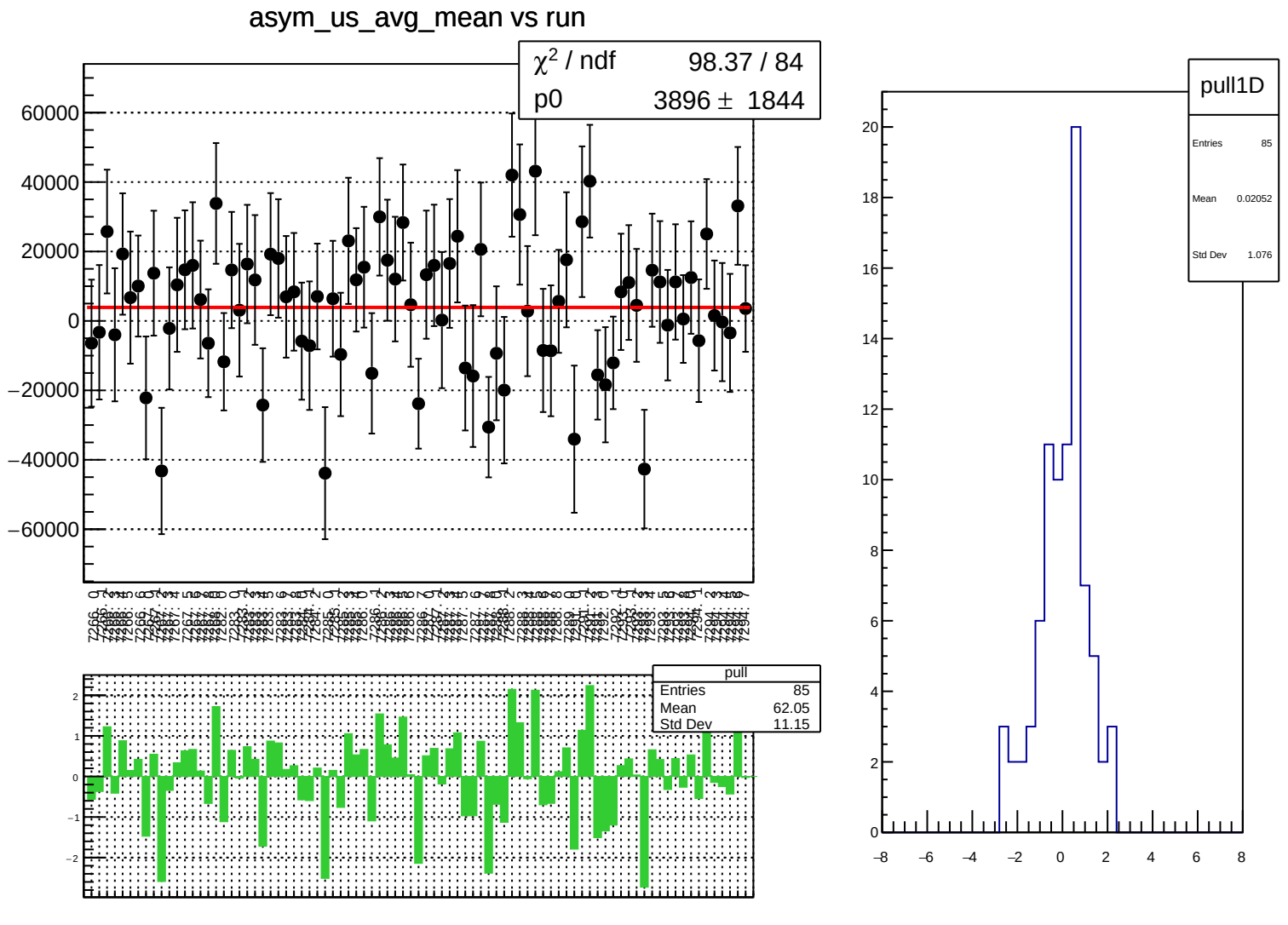
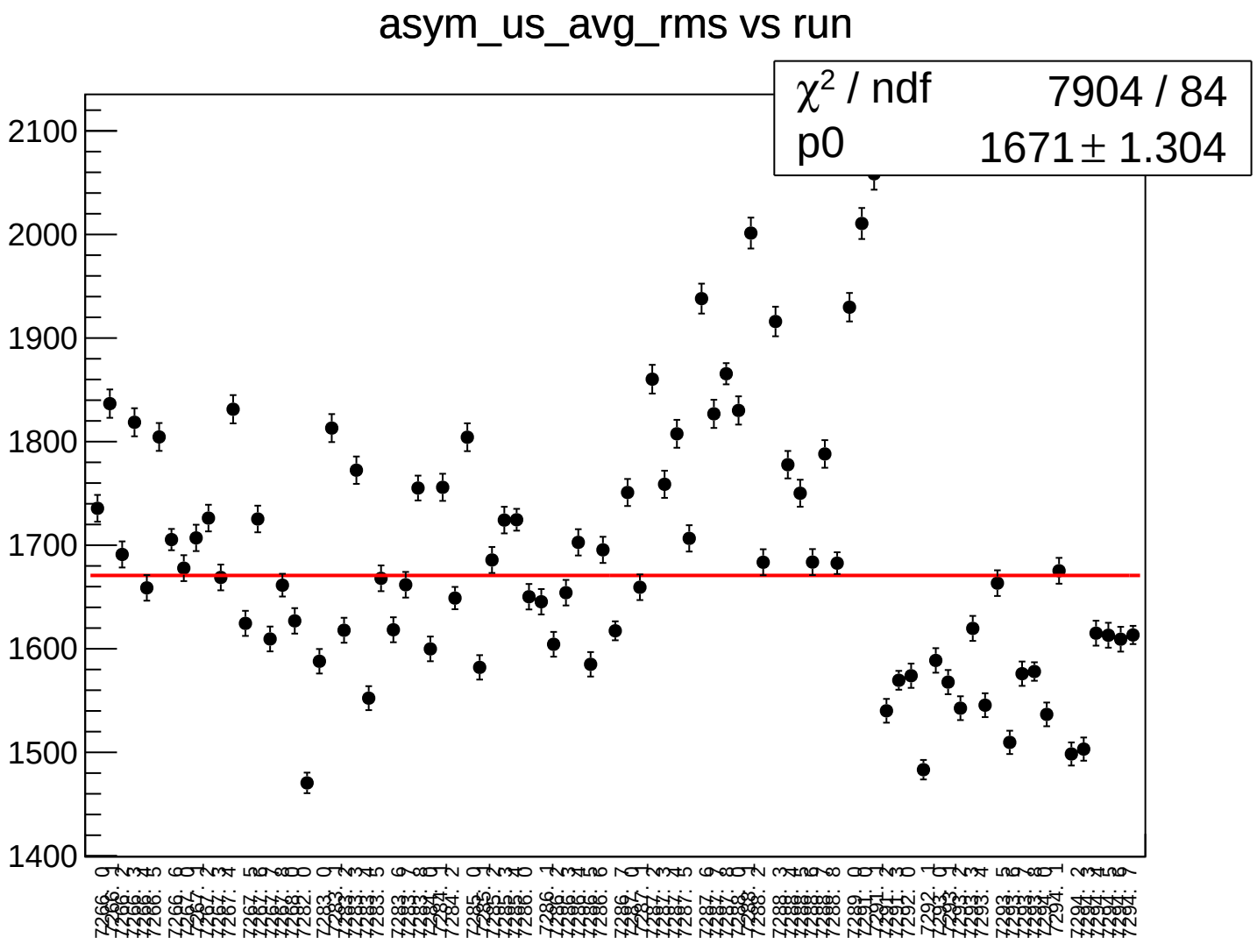

dit_asym_us_avg_mean vs run
χ² / ndf 80.14 / 84
p0 1841 ± 934.7
pull
Entries 85
Mean 70.69
Std Dev 83.05
pull1D
Entries 85
Mean 0.01579
Std Dev 0.9709

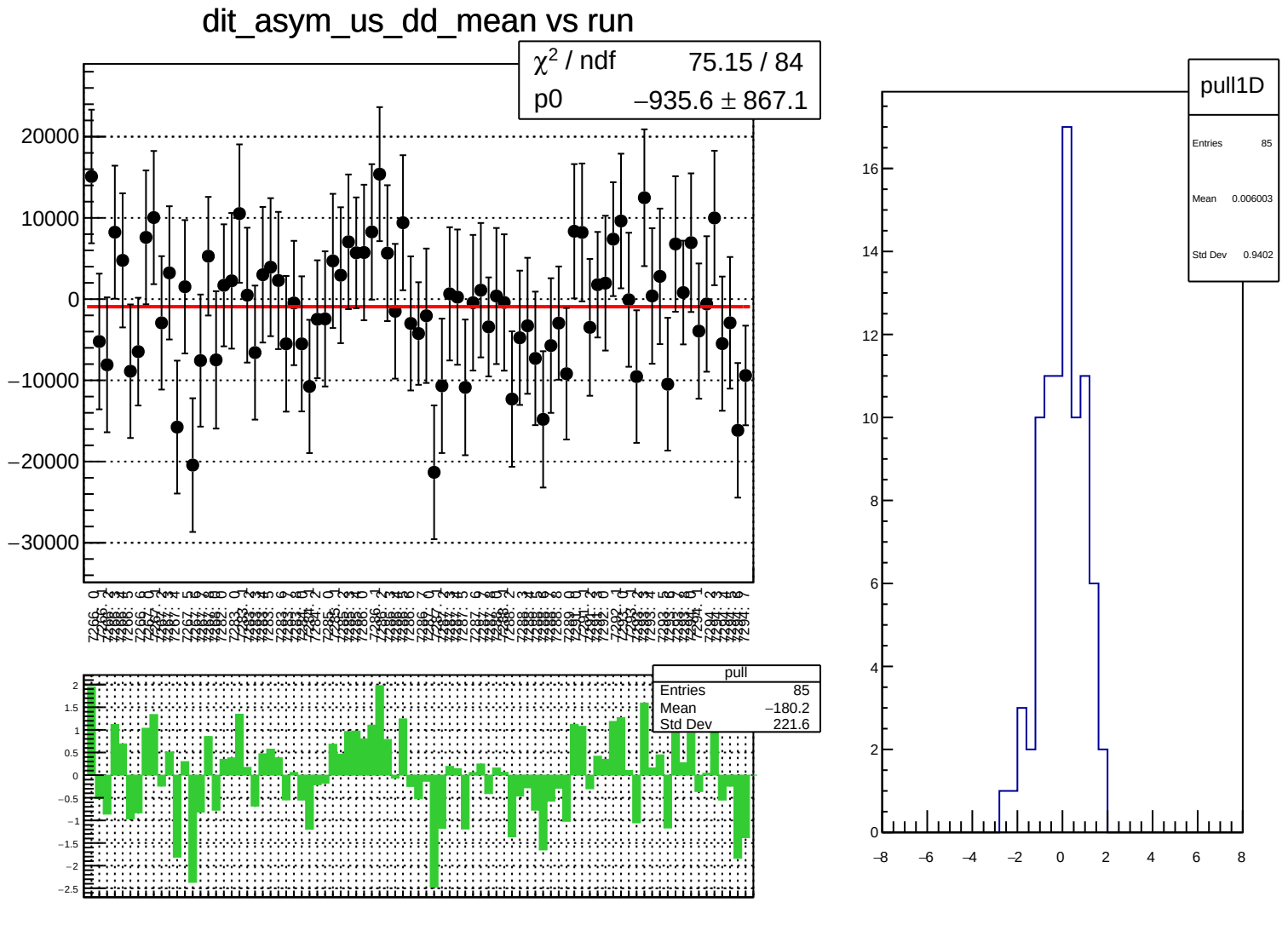

dit_asym_us_avg_rms vs run
χ² / ndf 2258 / 84
p0 848.5 ± 0.6609
960
940
920
900
880
860
840
820
800
780

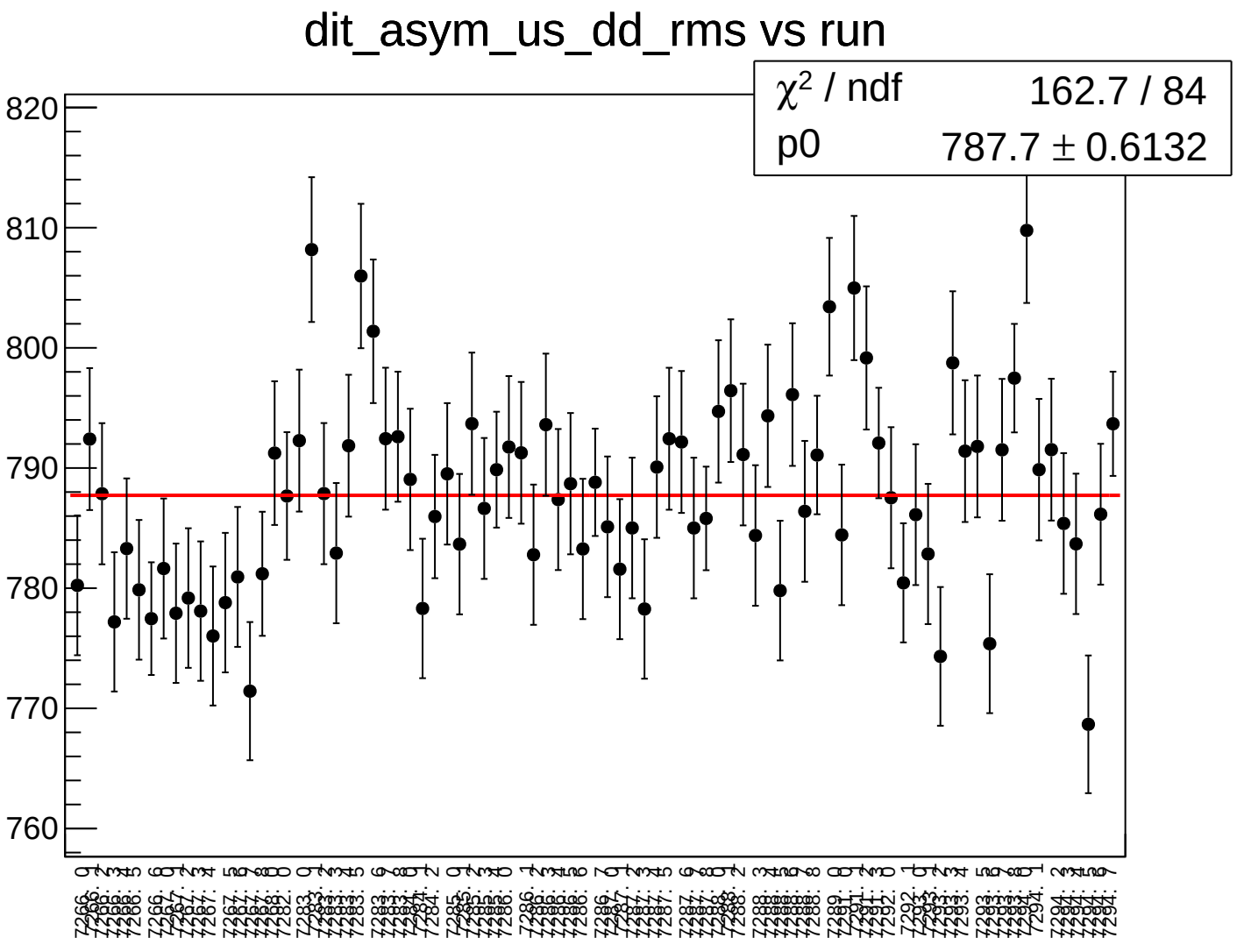

asym_us_avg_correction_mean vs run
χ^2 / ndf 107.2 / 84
p0 −2090 ± 1692
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 71.61
Std Dev 65.54
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.01196
Std Dev 1.123
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

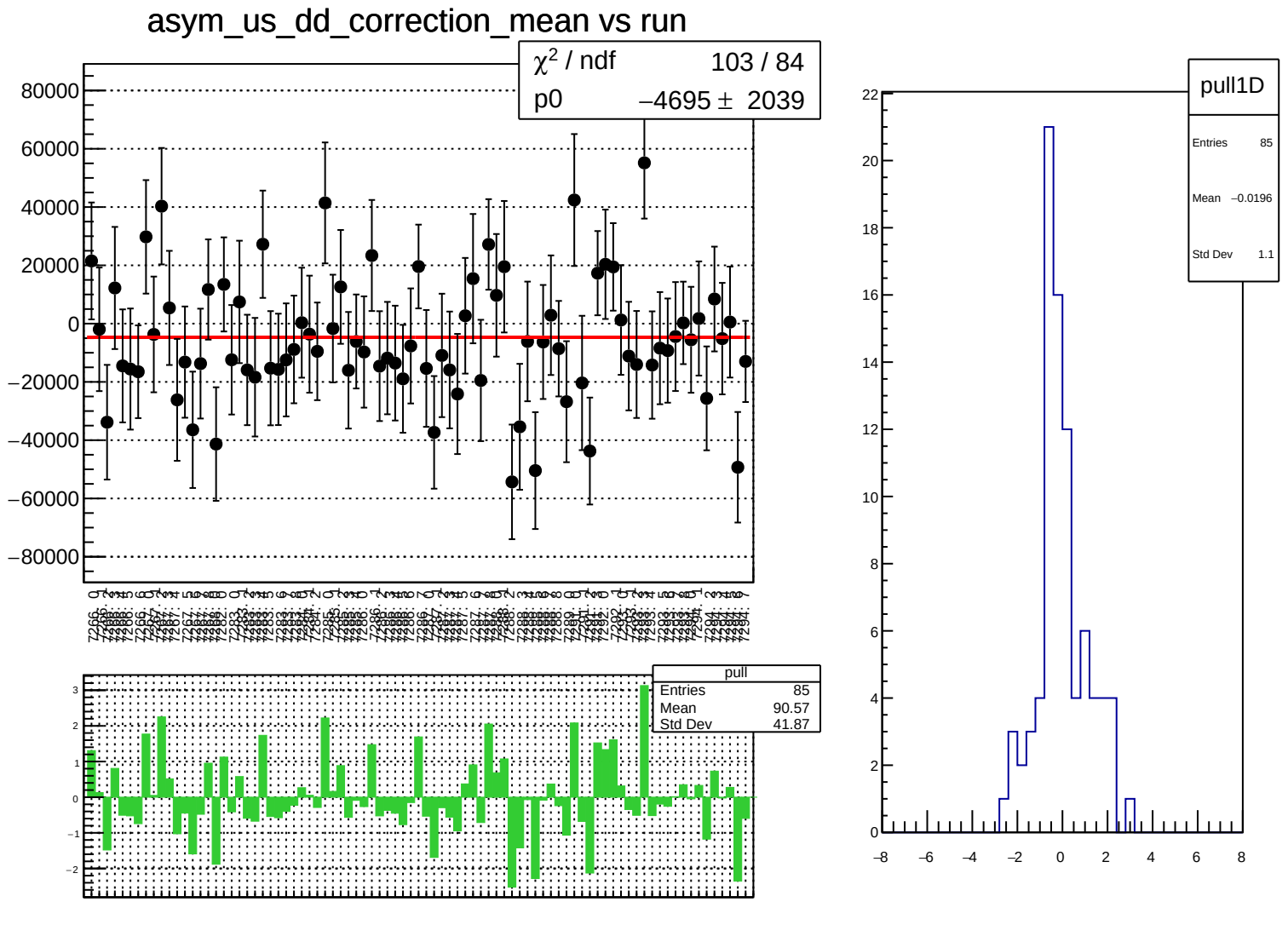

asym_us_avg_correction_rms vs run
χ^2 / ndf 9358 / 84
p0 1533 ± 1.197
1900
1800
1700
1600
1500
1400
1300


asym_us_avg_mean vs run
χ² / ndf 98.37 / 84
p0 3896 ± 1844
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 62.05
Std Dev 11.15
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.02052
Std Dev 1.076
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

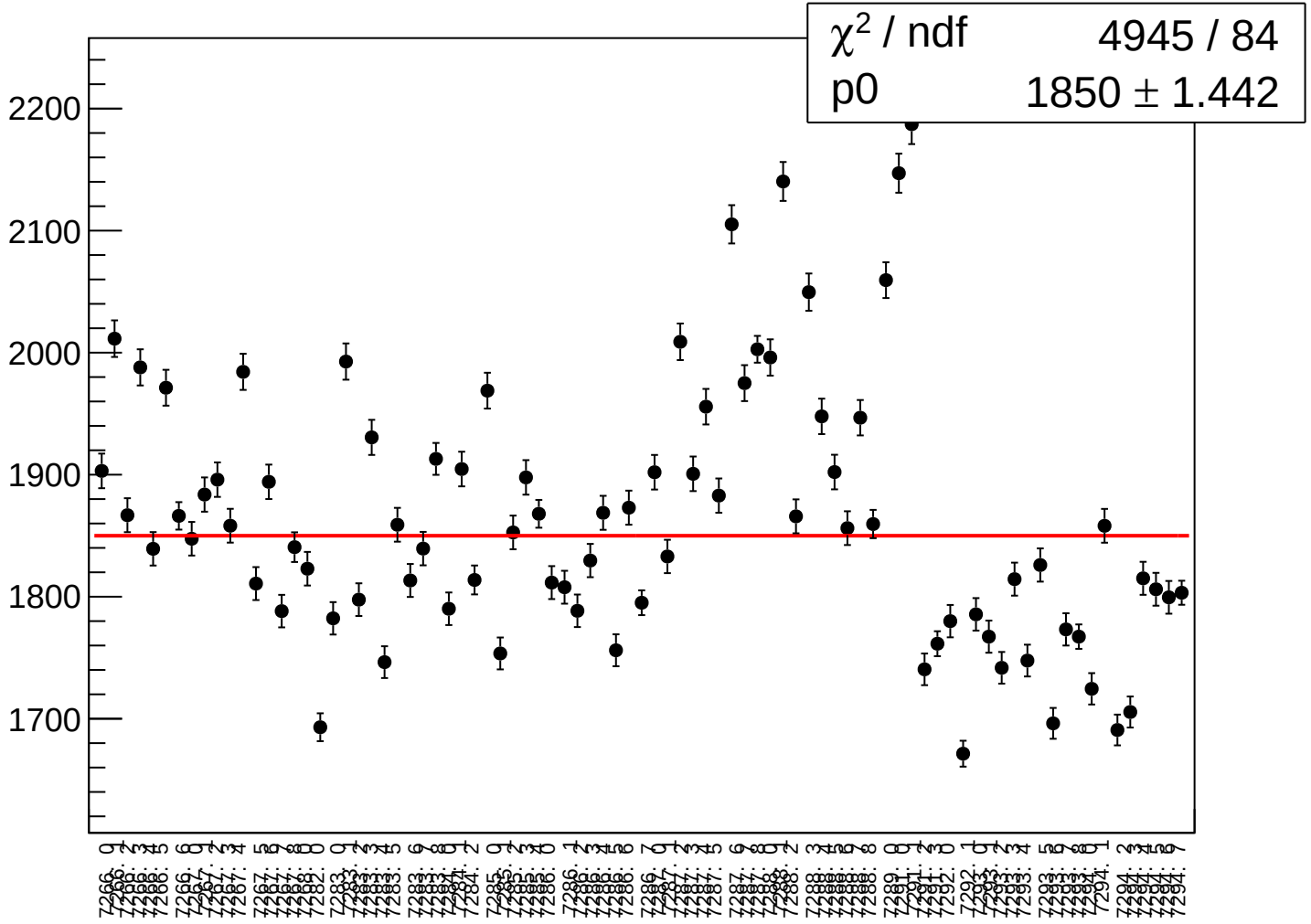

asym_us_avg_rms vs run
χ^2 / ndf 7904 / 84
p0 1671 ± 1.304
2100
2000
1900
1800
1700
1600
1500
1400

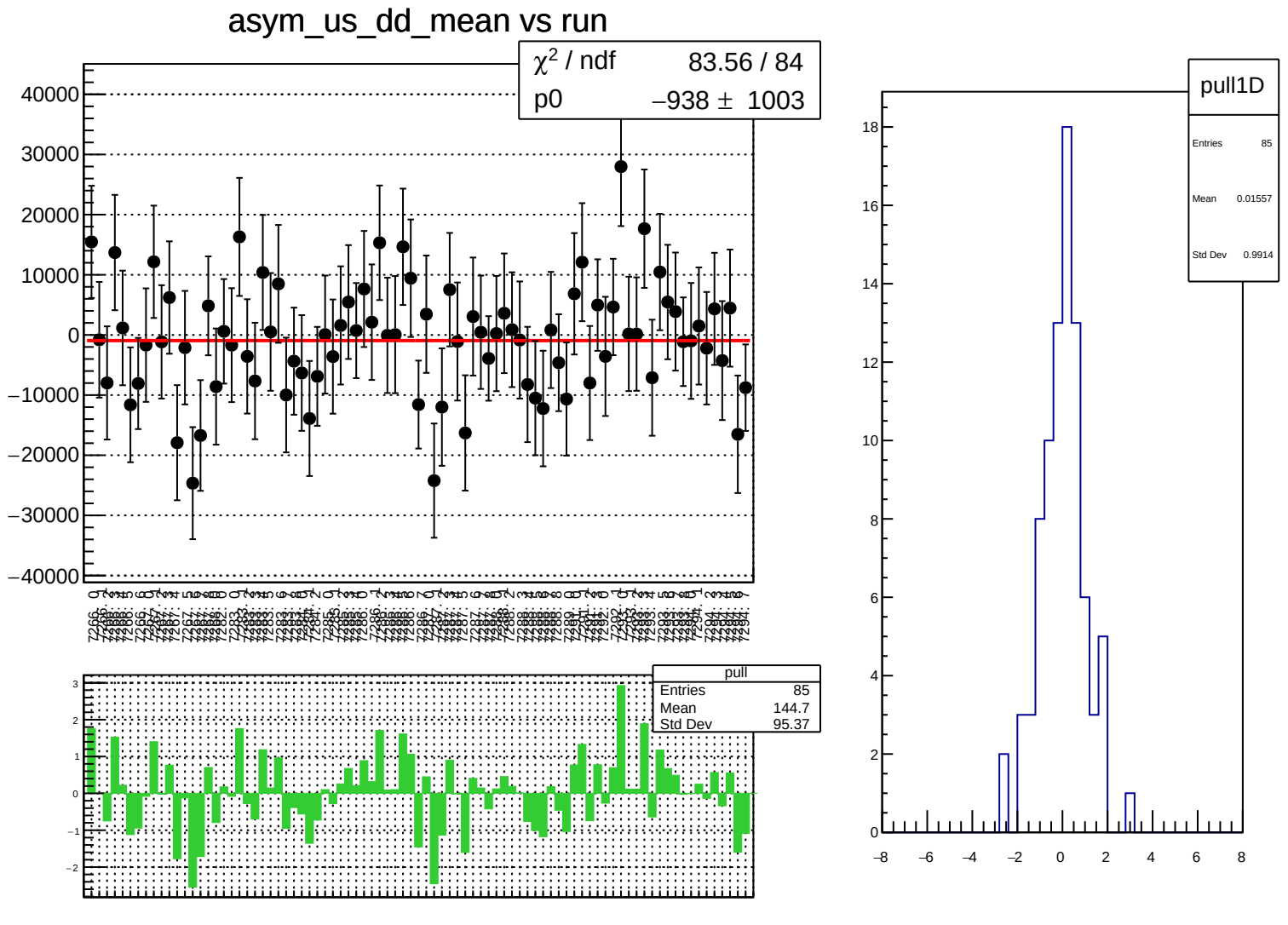

dit_asym_us_dd_mean vs run
χ^2 / ndf 75.15 / 84
p0 −935.6 ± 867.1
pull
Entries 85
Mean −180.2
Std Dev 221.6
pull1D
Entries 85
Mean 0.006003
Std Dev 0.9402

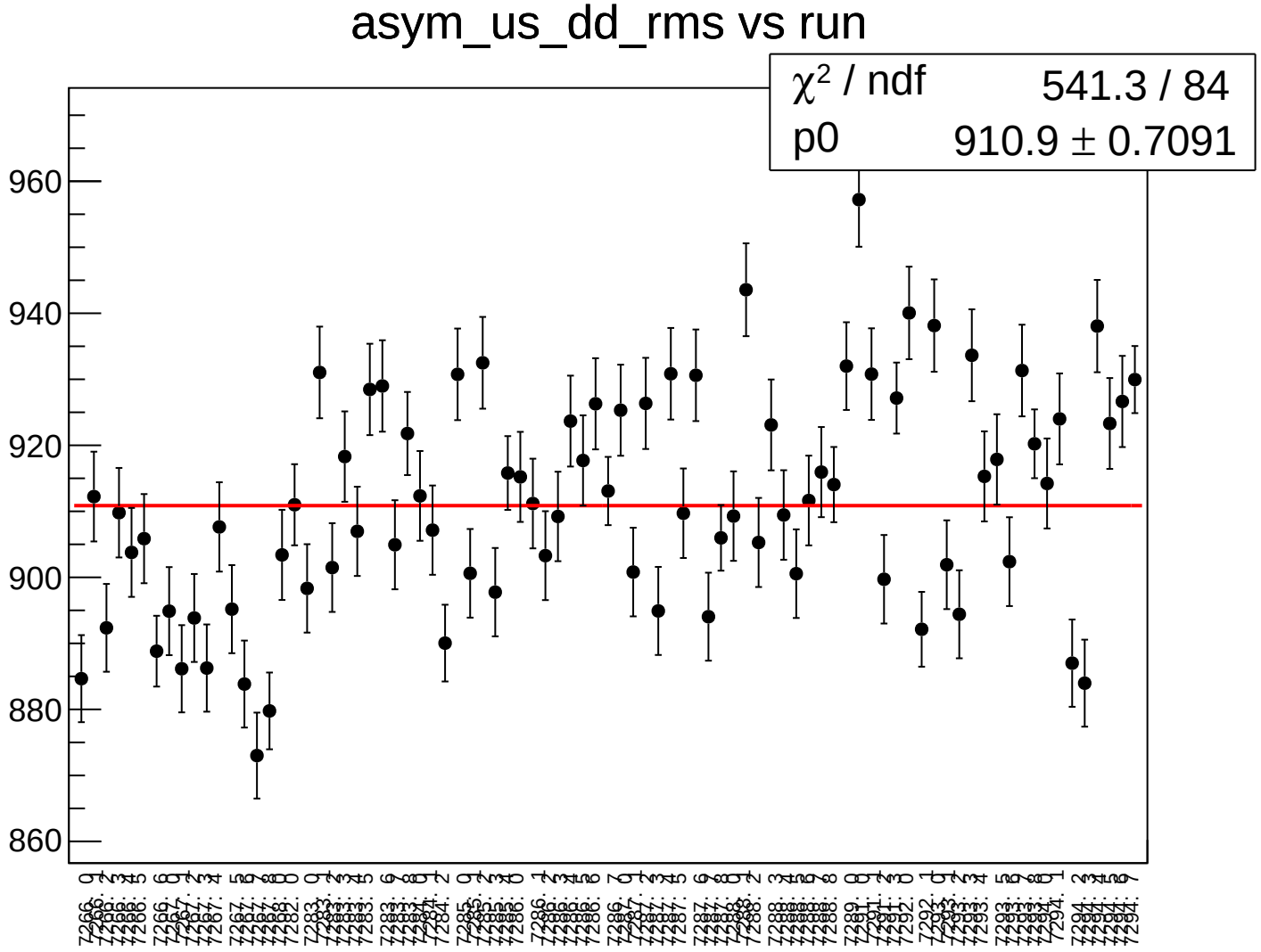

dit_asym_us_dd_rms vs run
χ² / ndf 162.7 / 84
p0 787.7 ± 0.6132
820
810
800
790
780
770
760

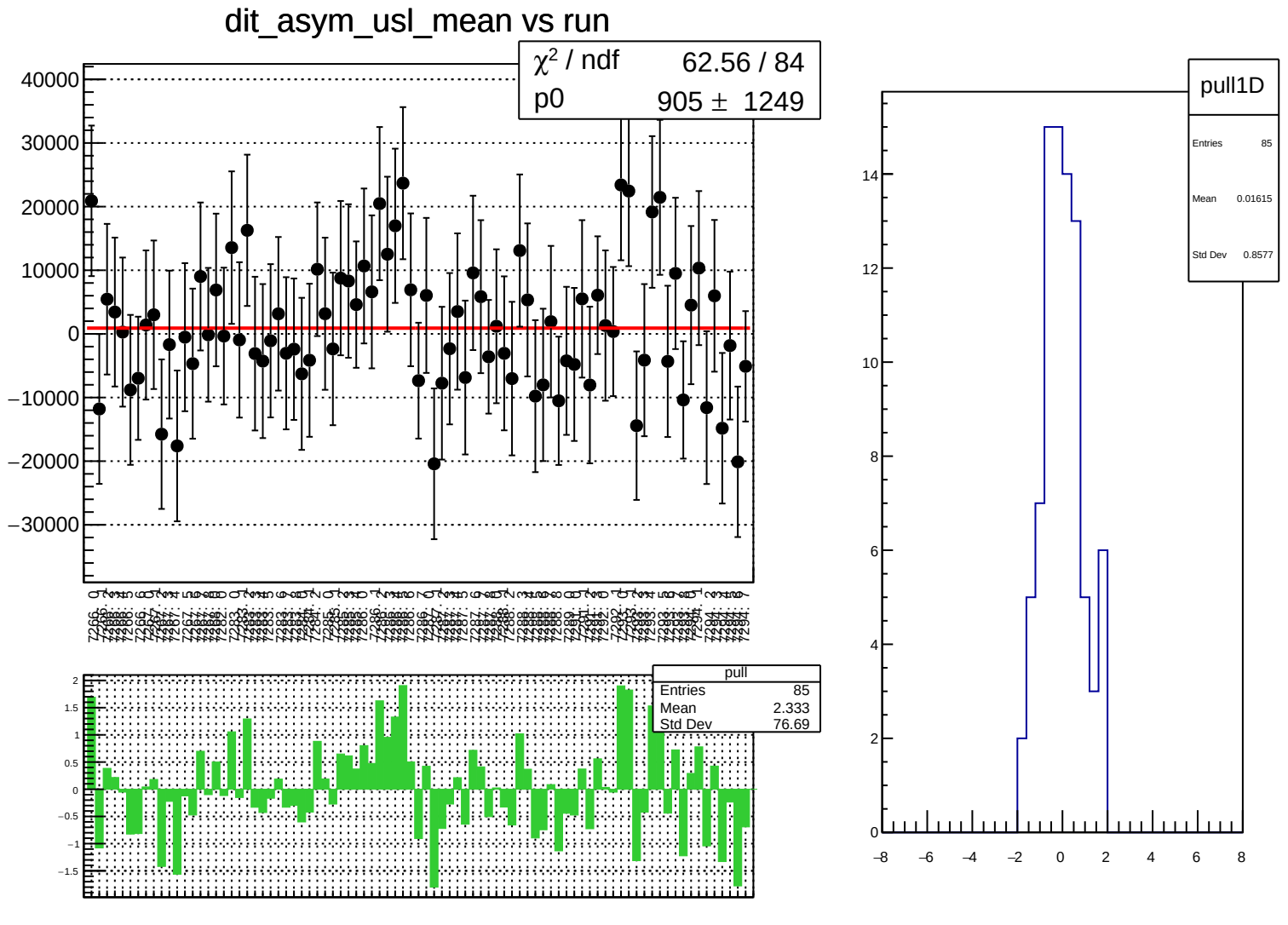

asym_us_dd_correction_mean vs run
χ² / ndf 103 / 84
p0 −4695 ± 2039
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean 90.57
Std Dev 41.87
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.0196
Std Dev 1.1
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_us_dd_correction_rms vs run

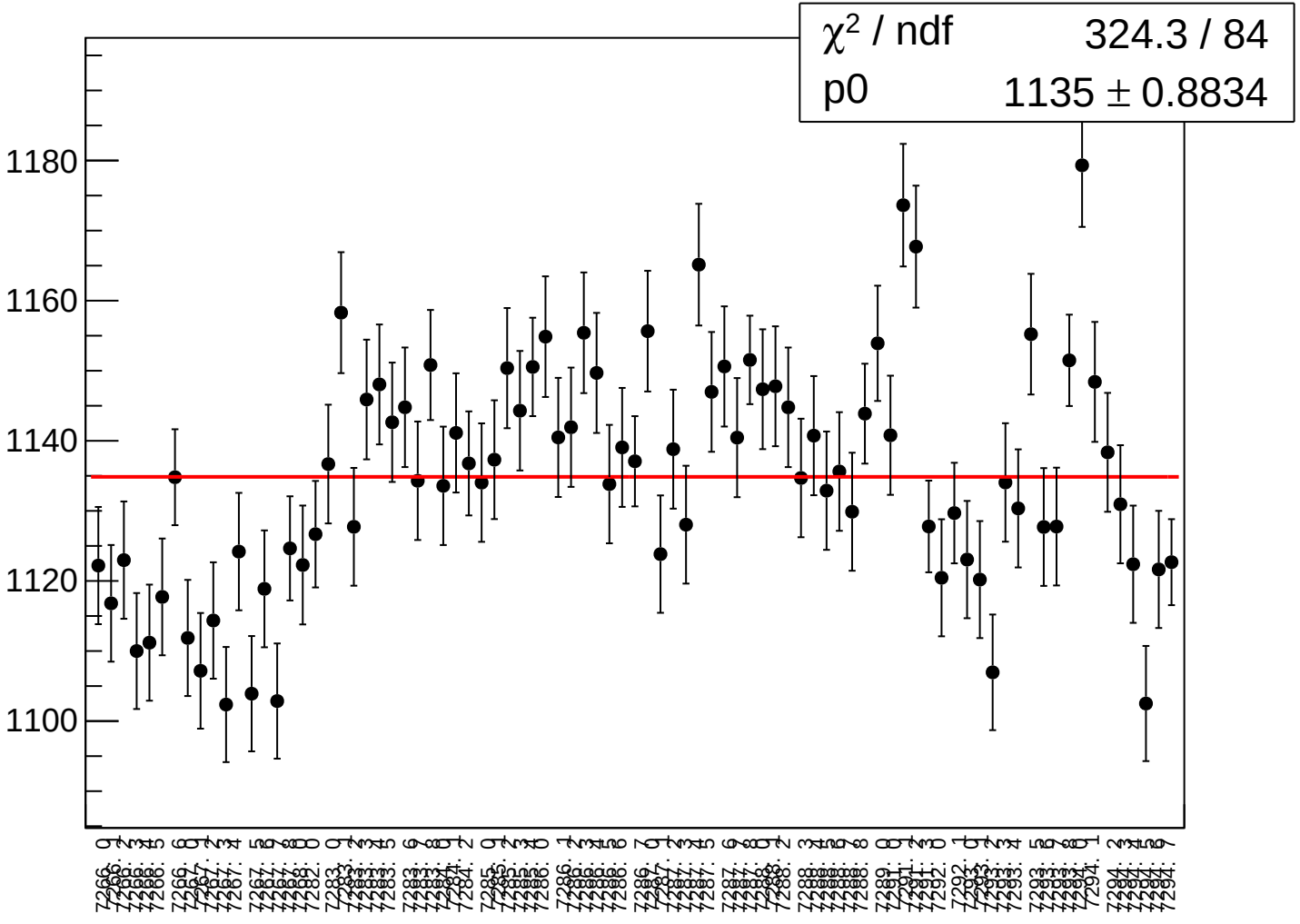


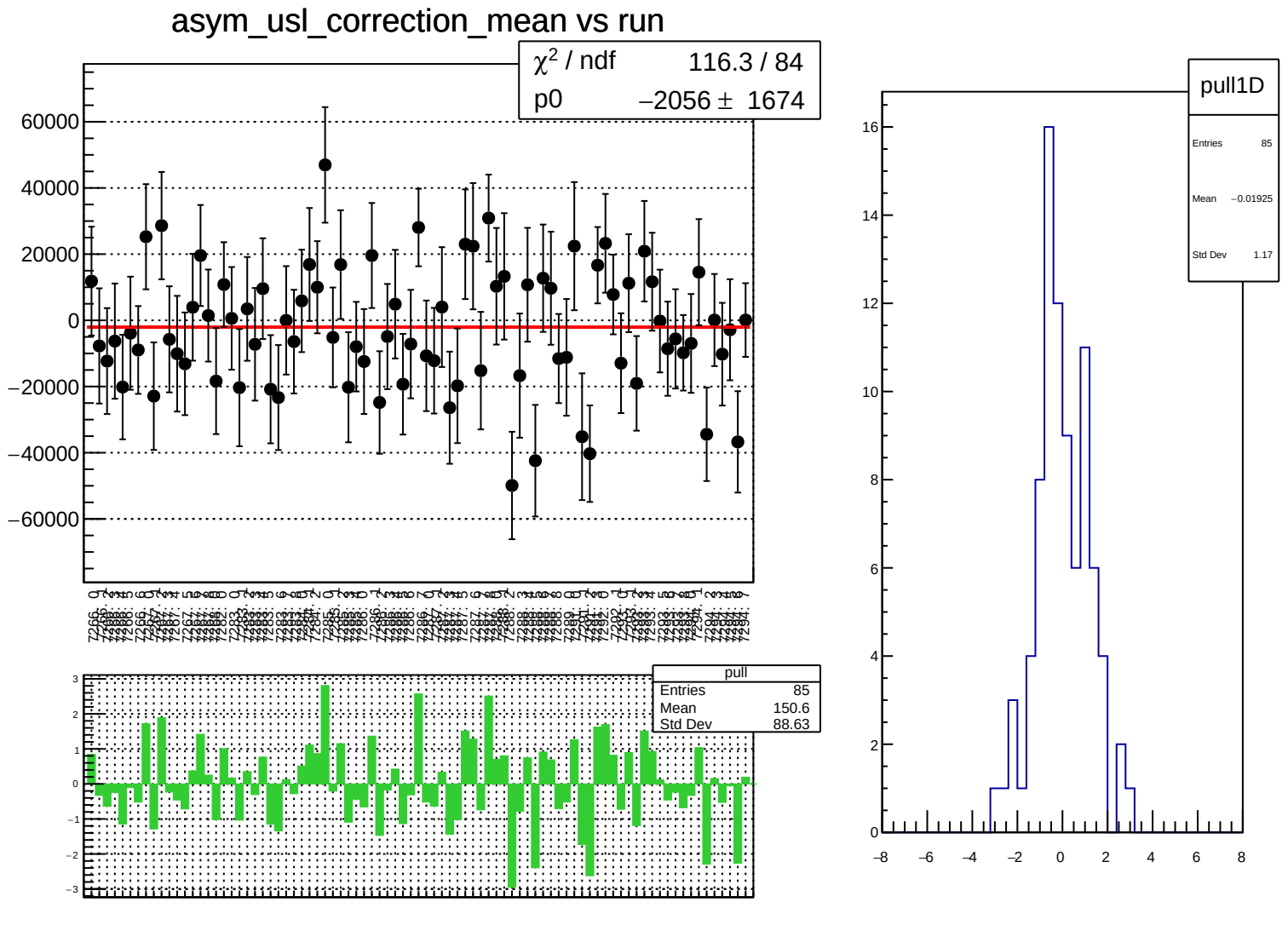

asym_us_dd_mean vs run
χ^2 / ndf 83.56 / 84
p0 −938 ± 1003
pull
Entries 85
Mean 144.7
Std Dev 95.37
pull1D
Entries 85
Mean 0.01557
Std Dev 0.9914


asym_us_dd_rms vs run
χ² / ndf 541.3 / 84
p0 910.9 ± 0.7091
960
940
920
900
880
860

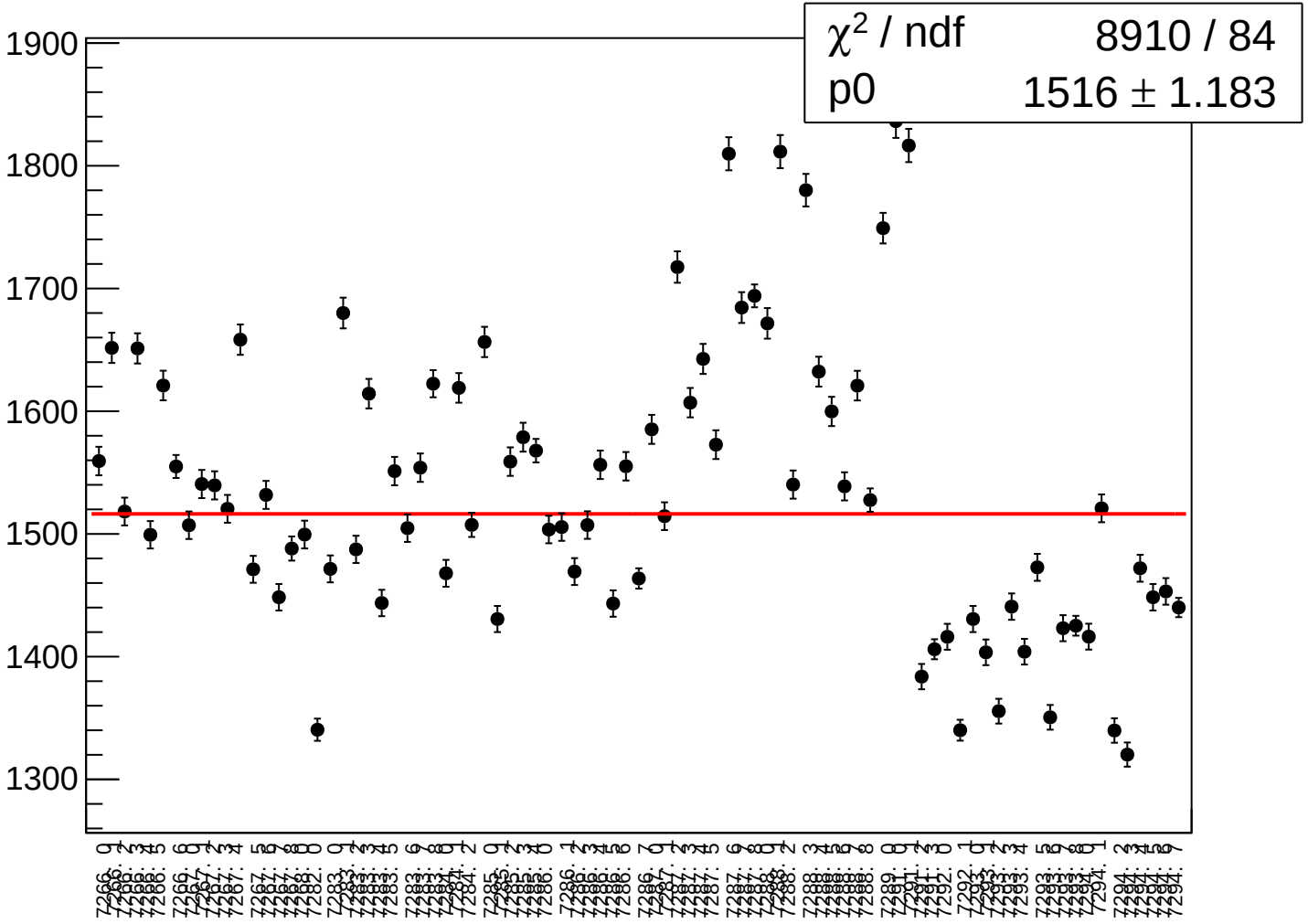

dit_asym_usl_mean vs run
χ² / ndf 62.56 / 84
p0 905 ± 1249
pull
Entries 85
Mean 2.333
Std Dev 76.69
pull1D
Entries 85
Mean 0.01615
Std Dev 0.8577

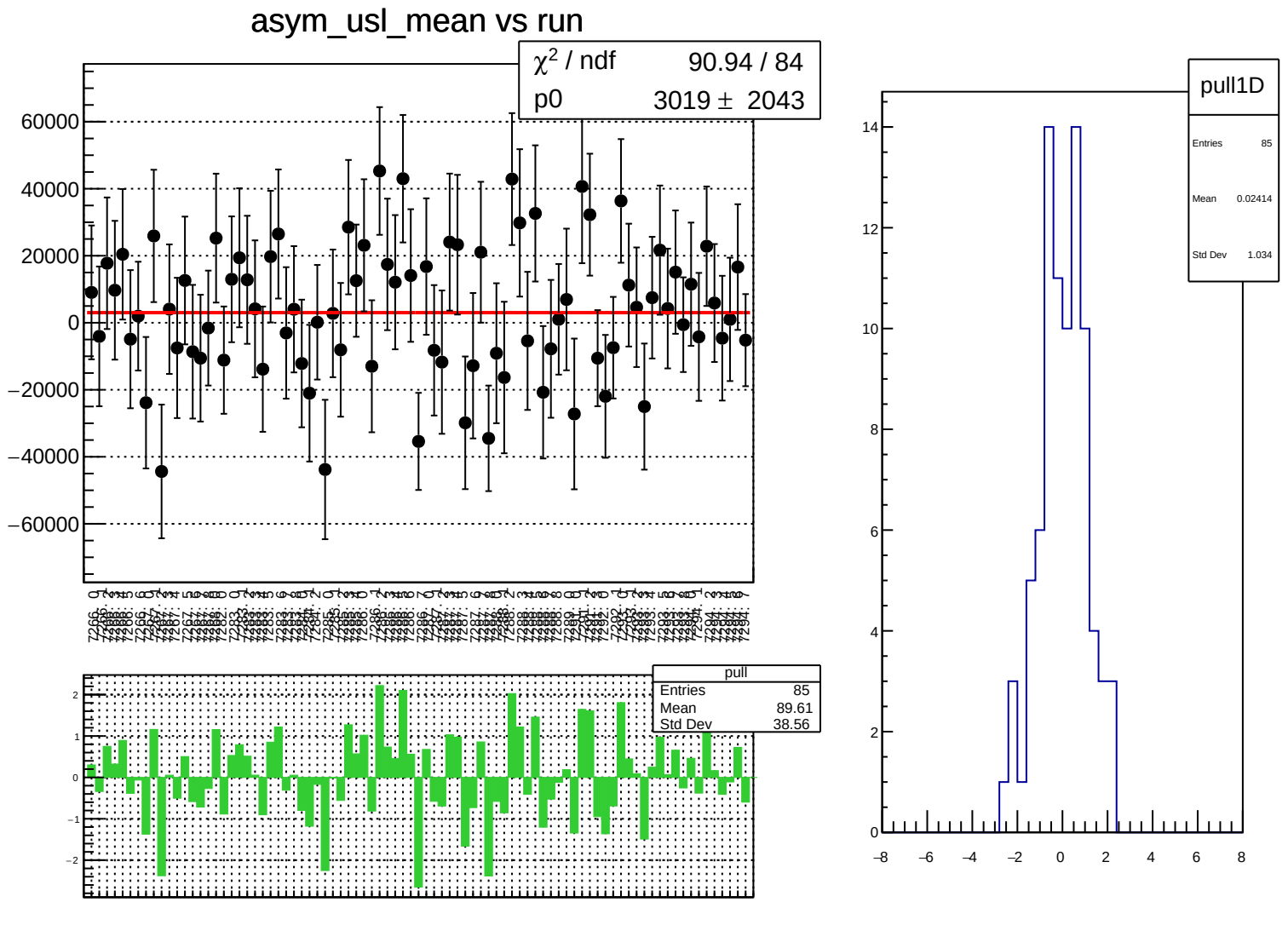
dit_asym_usl_rms vs run



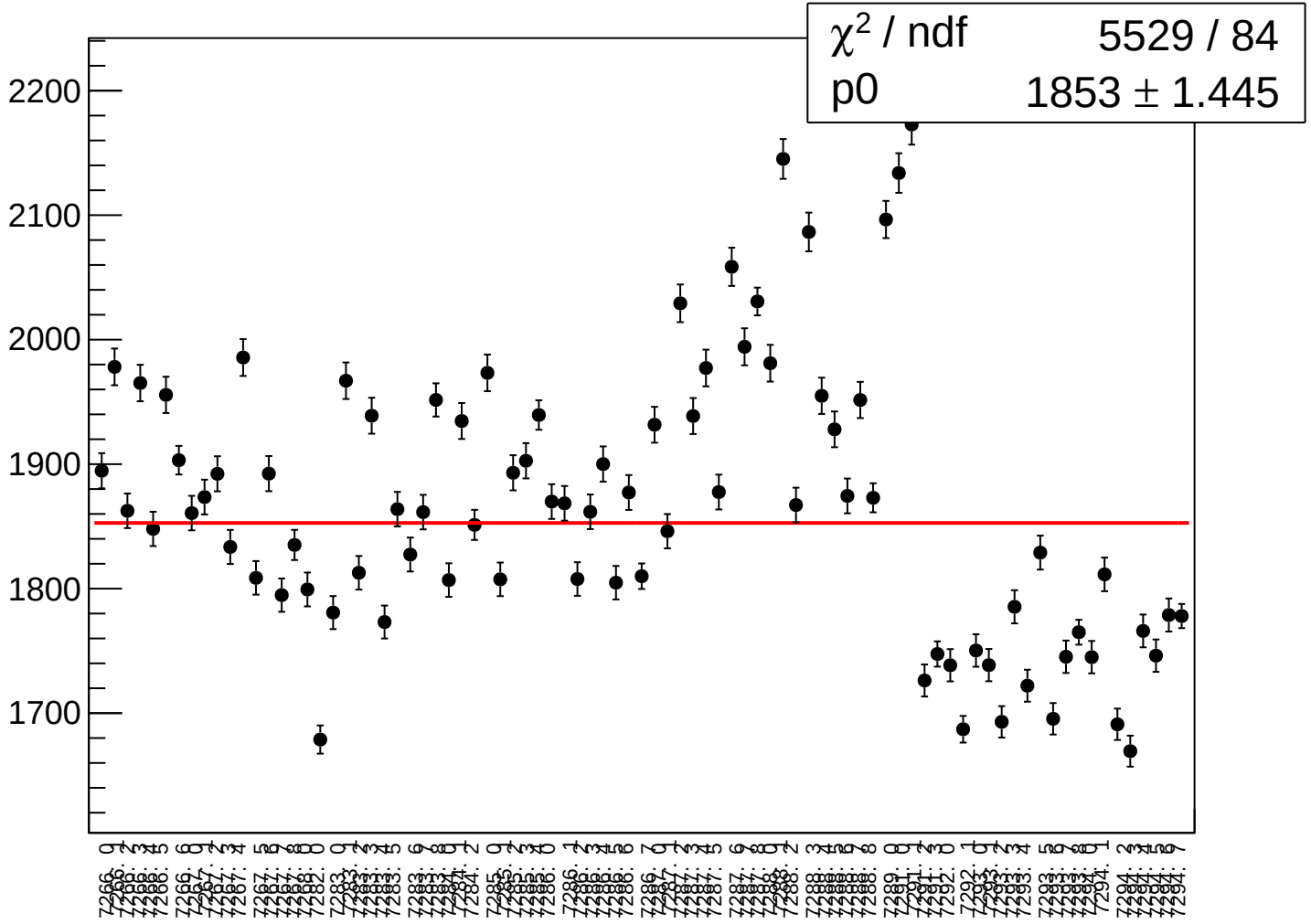

asym_usl_correction_mean vs run
χ² / ndf 116.3 / 84
p0 −2056 ± 1674
pull
Entries 85
Mean 150.6
Std Dev 88.63
pull1D
Entries 85
Mean −0.01925
Std Dev 1.17

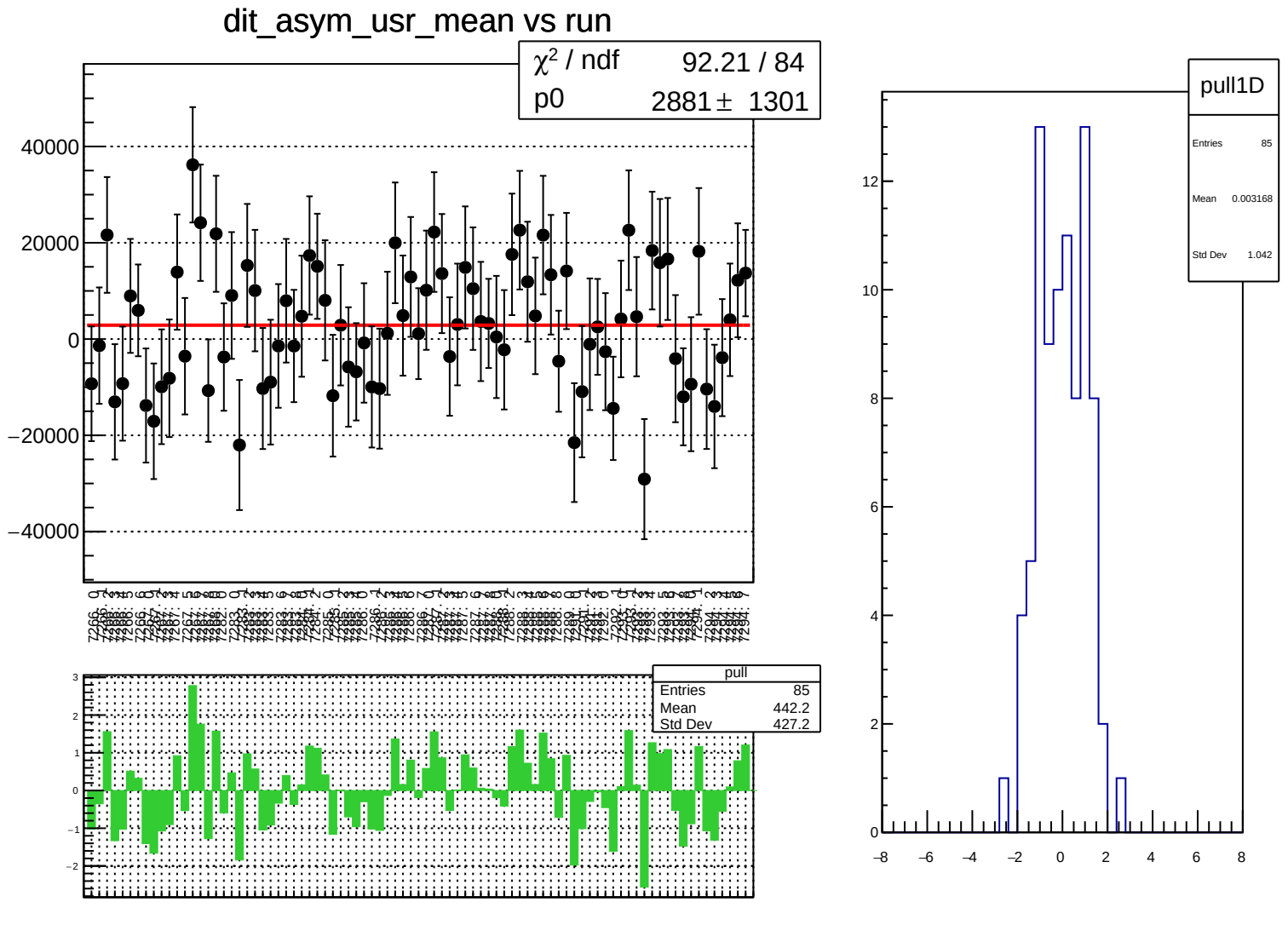
asym_usl_correction_rms vs run



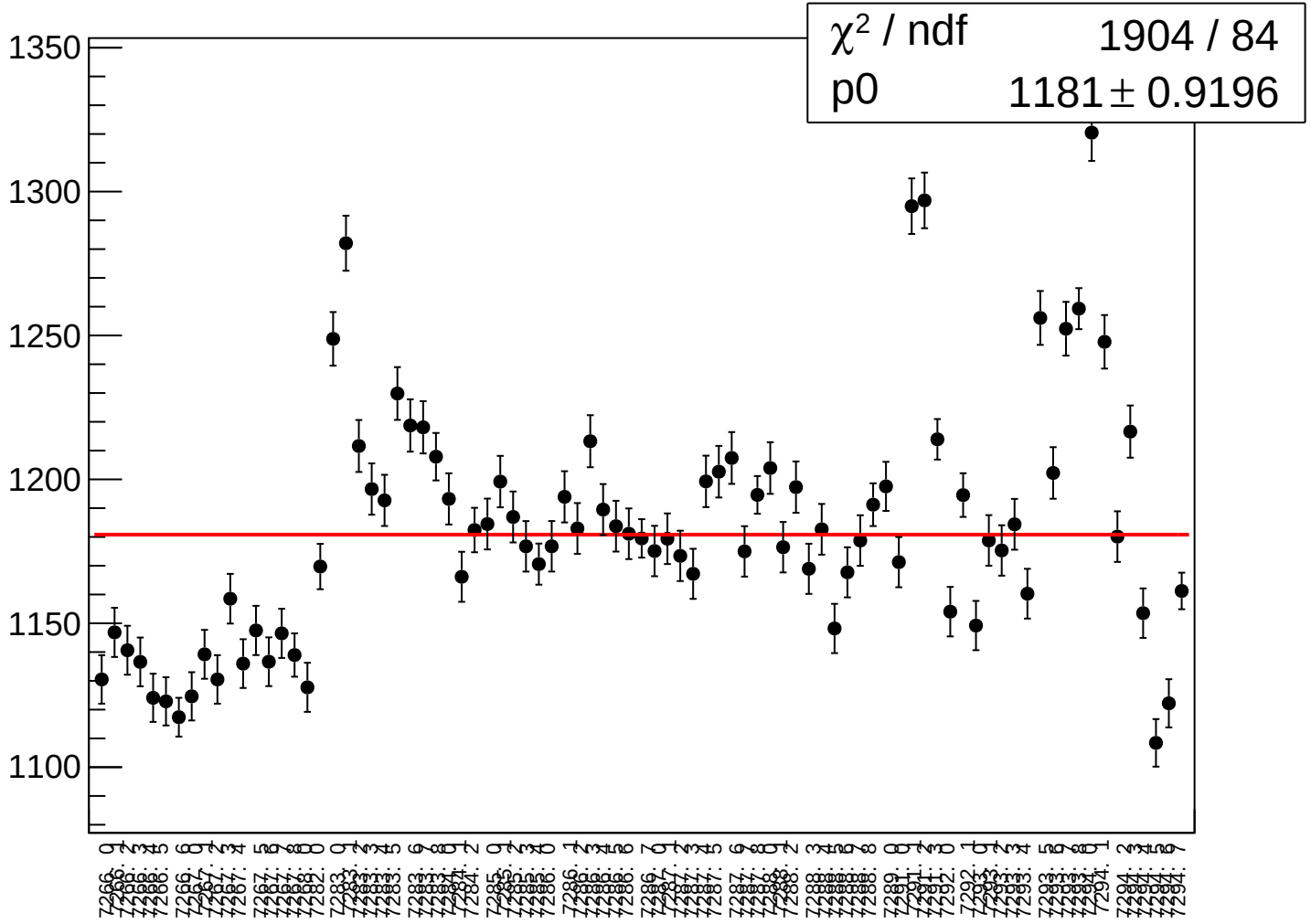

asym_usl_mean vs run
χ² / ndf 90.94 / 84
p0 3019 ± 2043
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 89.61
Std Dev 38.56
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.02414
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

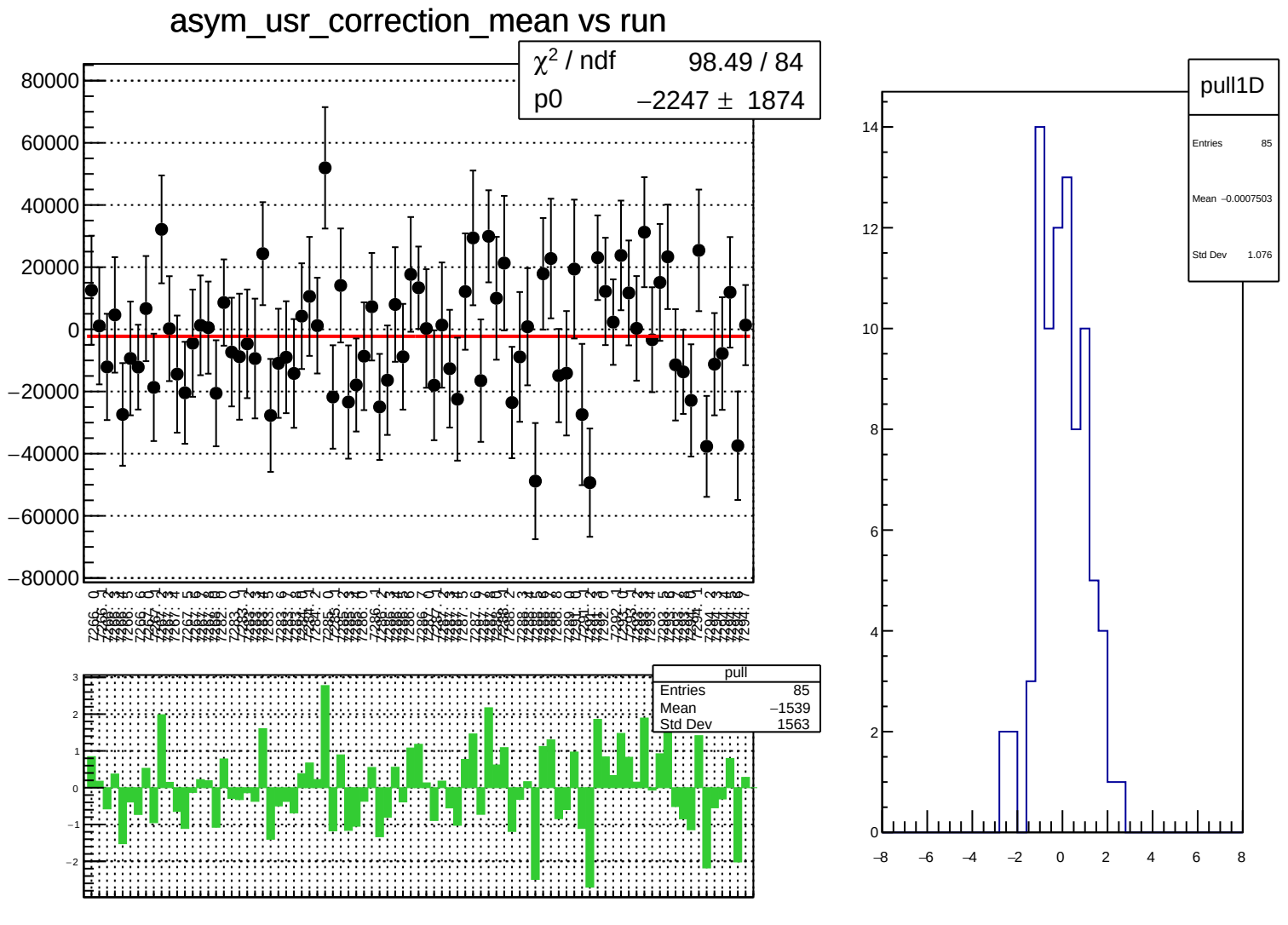
asym_usl_rms vs run

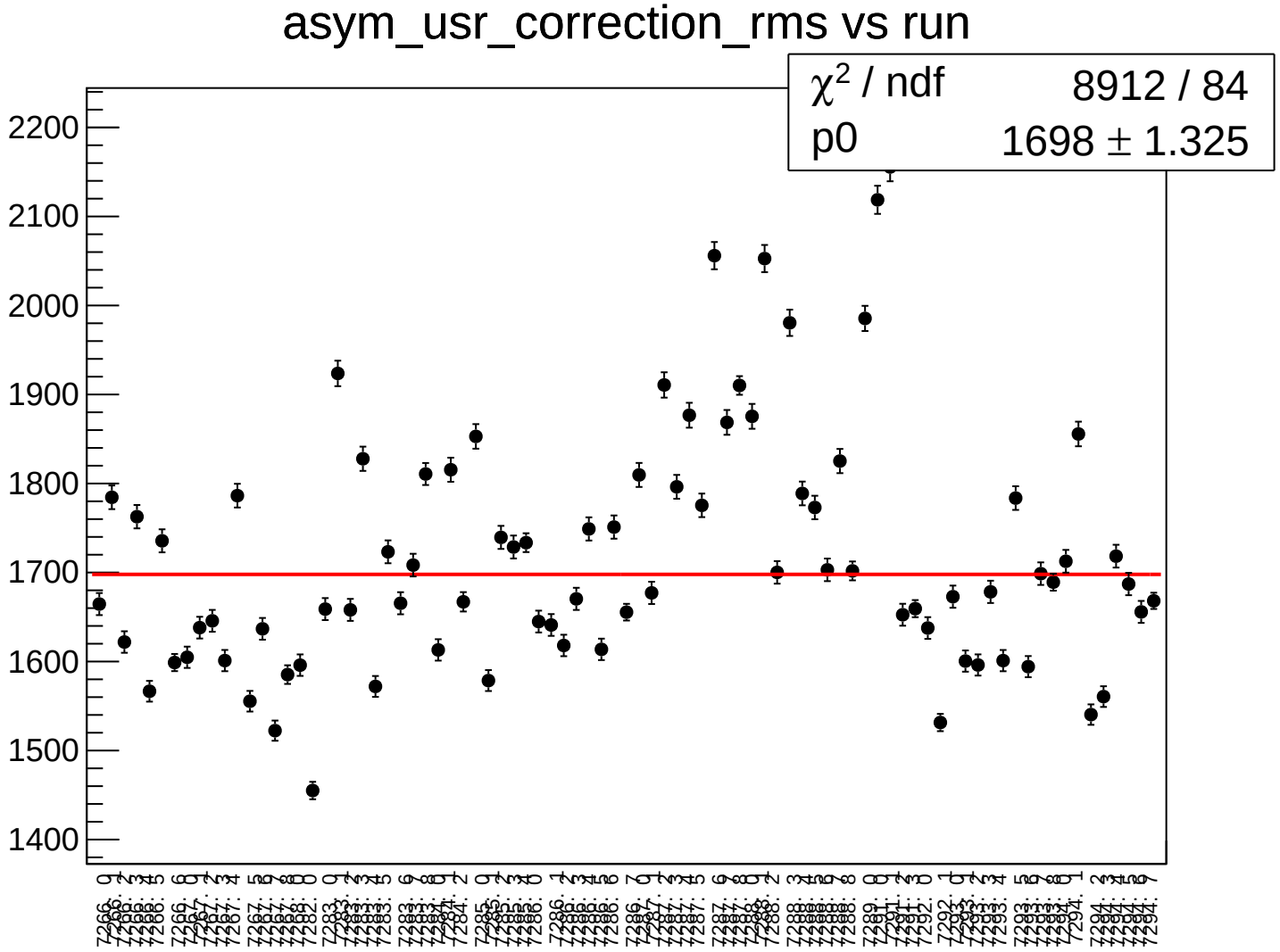


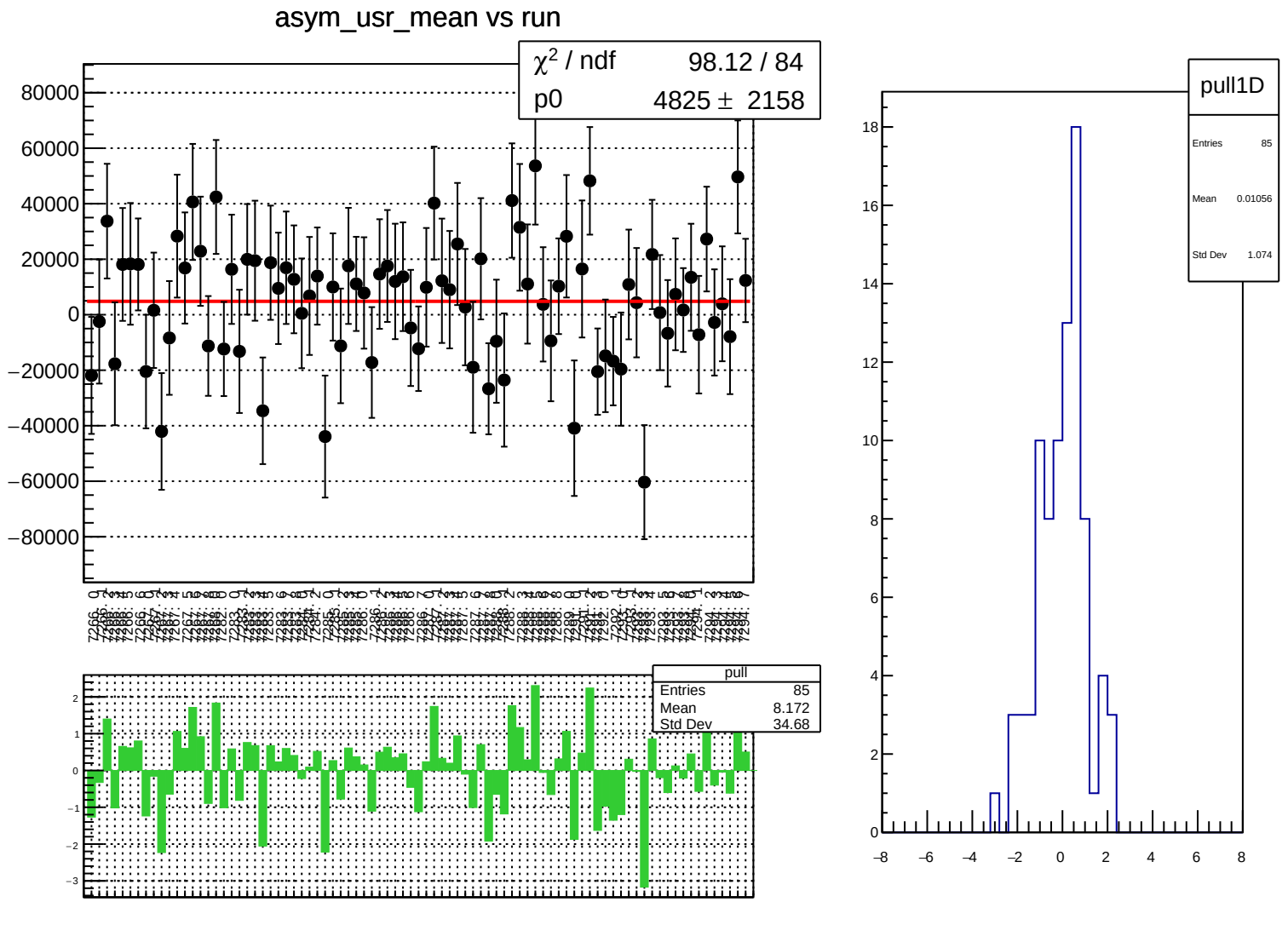

dit_asym_usr_mean vs run
χ² / ndf 92.21 / 84
p0 2881 ± 1301
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 442.2
Std Dev 427.2
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.003168
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

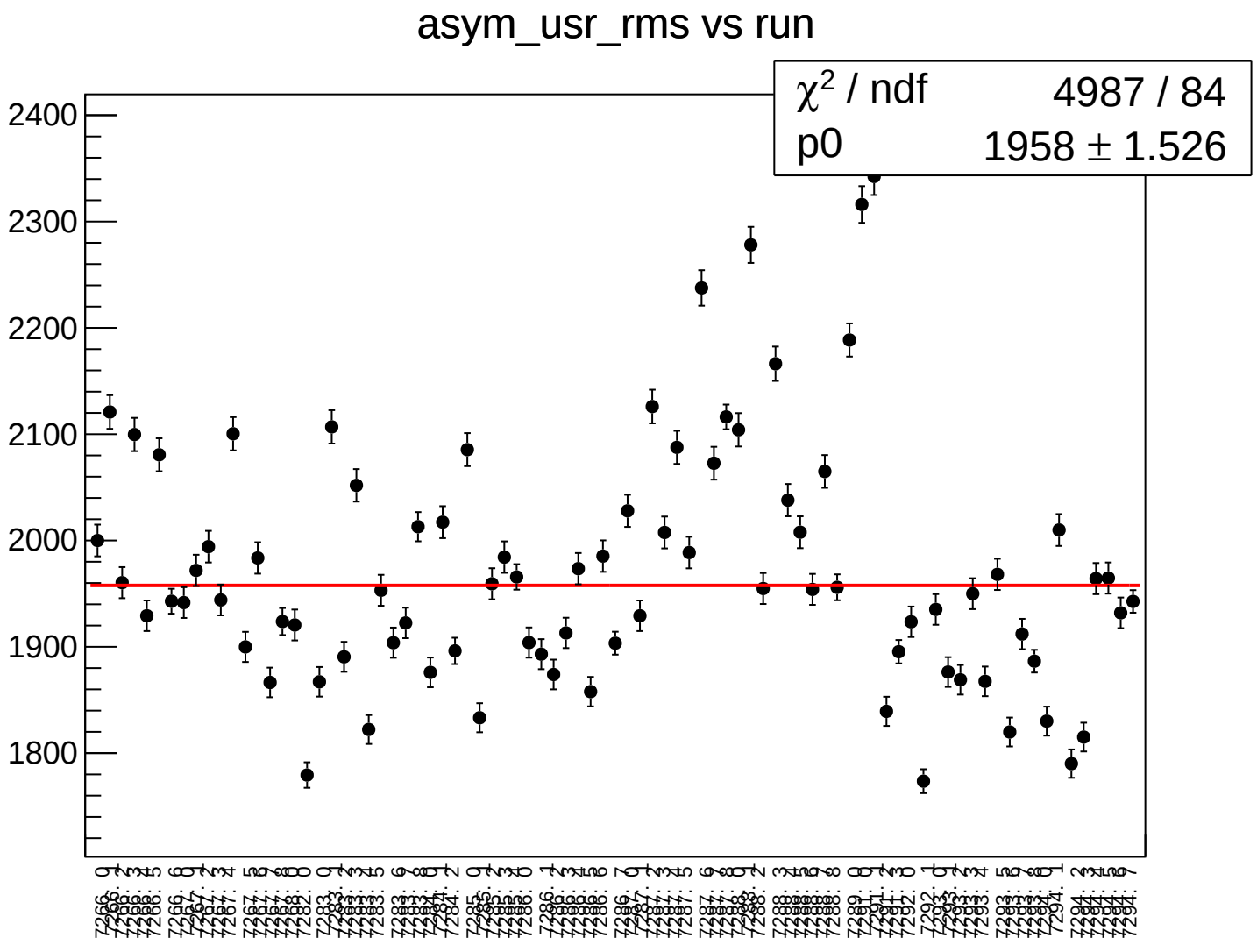
dit_asym_usr_rms vs run

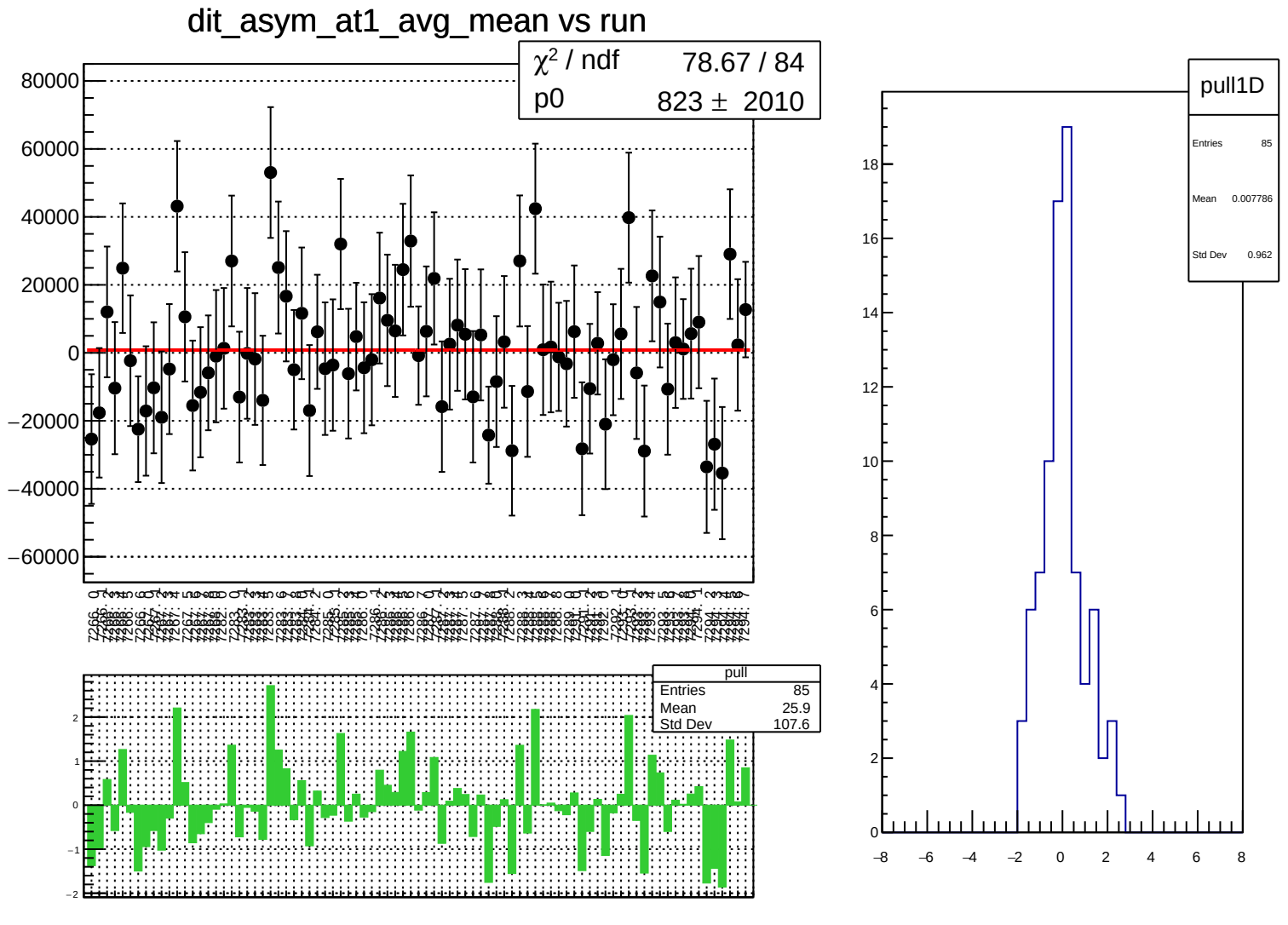


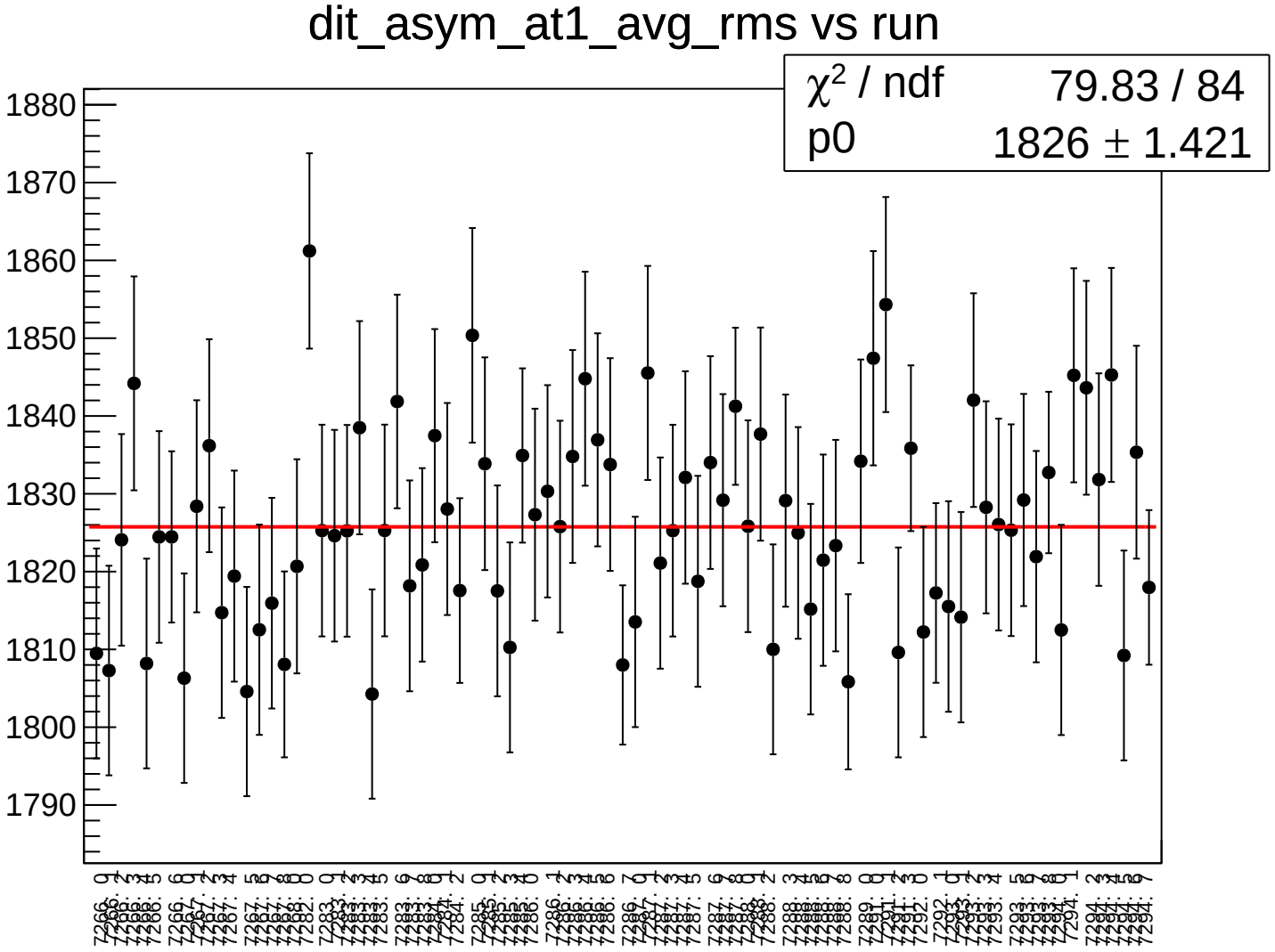

asym_usr_correction_mean vs run
χ² / ndf 98.49 / 84
p0 −2247 ± 1874
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean −1539
Std Dev 1563
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.0007503
Std Dev 1.076
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

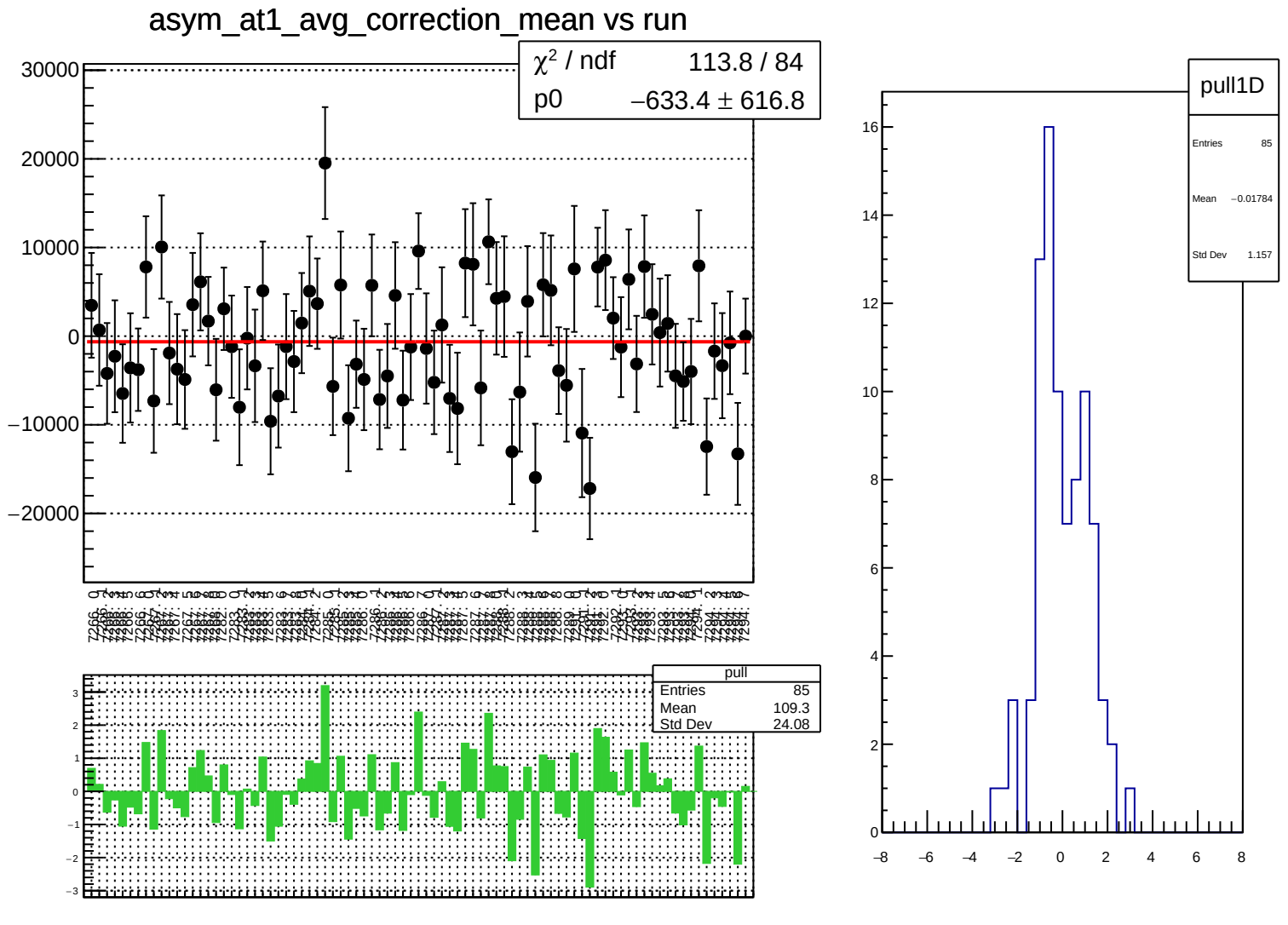

asym_usr_correction_rms vs run
χ² / ndf 8912 / 84
p0 1698 ± 1.325
2200
2100
2000
1900
1800
1700
1600
1500
1400


asym_usr_mean vs run
χ² / ndf 98.12 / 84
p0 4825 ± 2158
pull
Entries 85
Mean 8.172
Std Dev 34.68
pull1D
Entries 85
Mean 0.01056
Std Dev 1.074

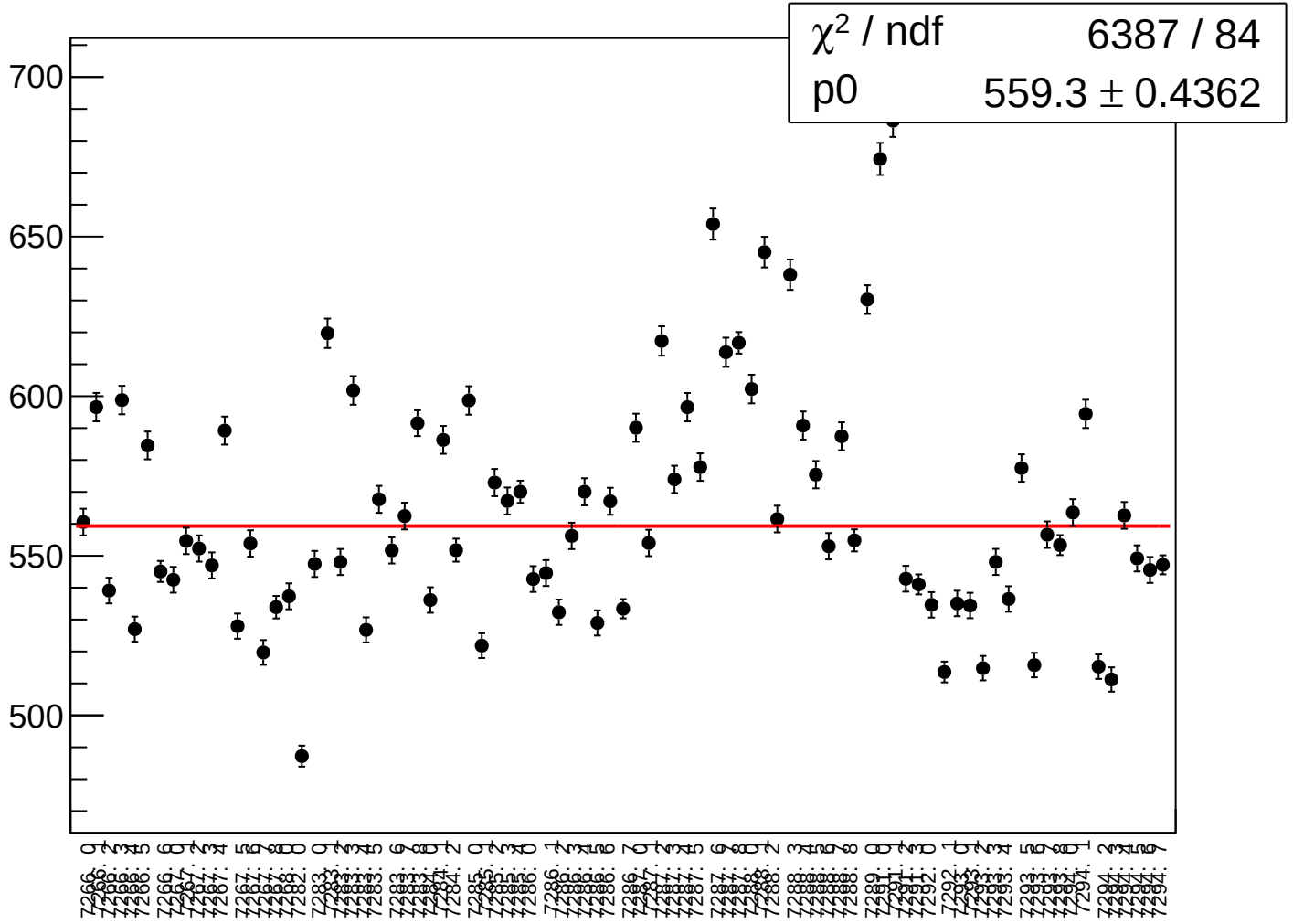

asym_usr_rms vs run
χ² / ndf 4987 / 84
p0 1958 ± 1.526
2400
2300
2200
2100
2000
1900
1800

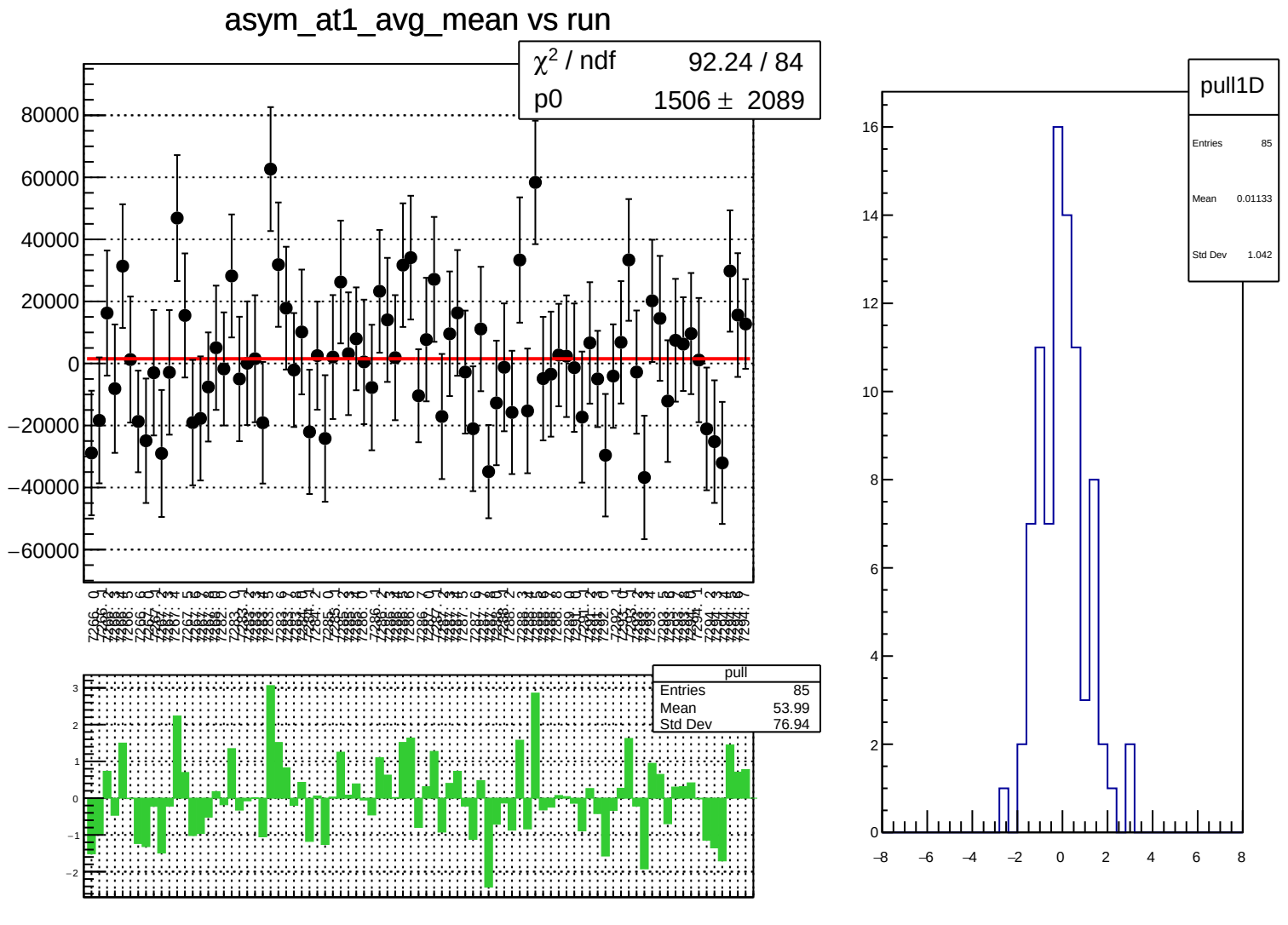

dit_asym_at1_avg_mean vs run
χ² / ndf 78.67 / 84
p0 823 ± 2010
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 25.9
Std Dev 107.6
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.007786
Std Dev 0.962
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

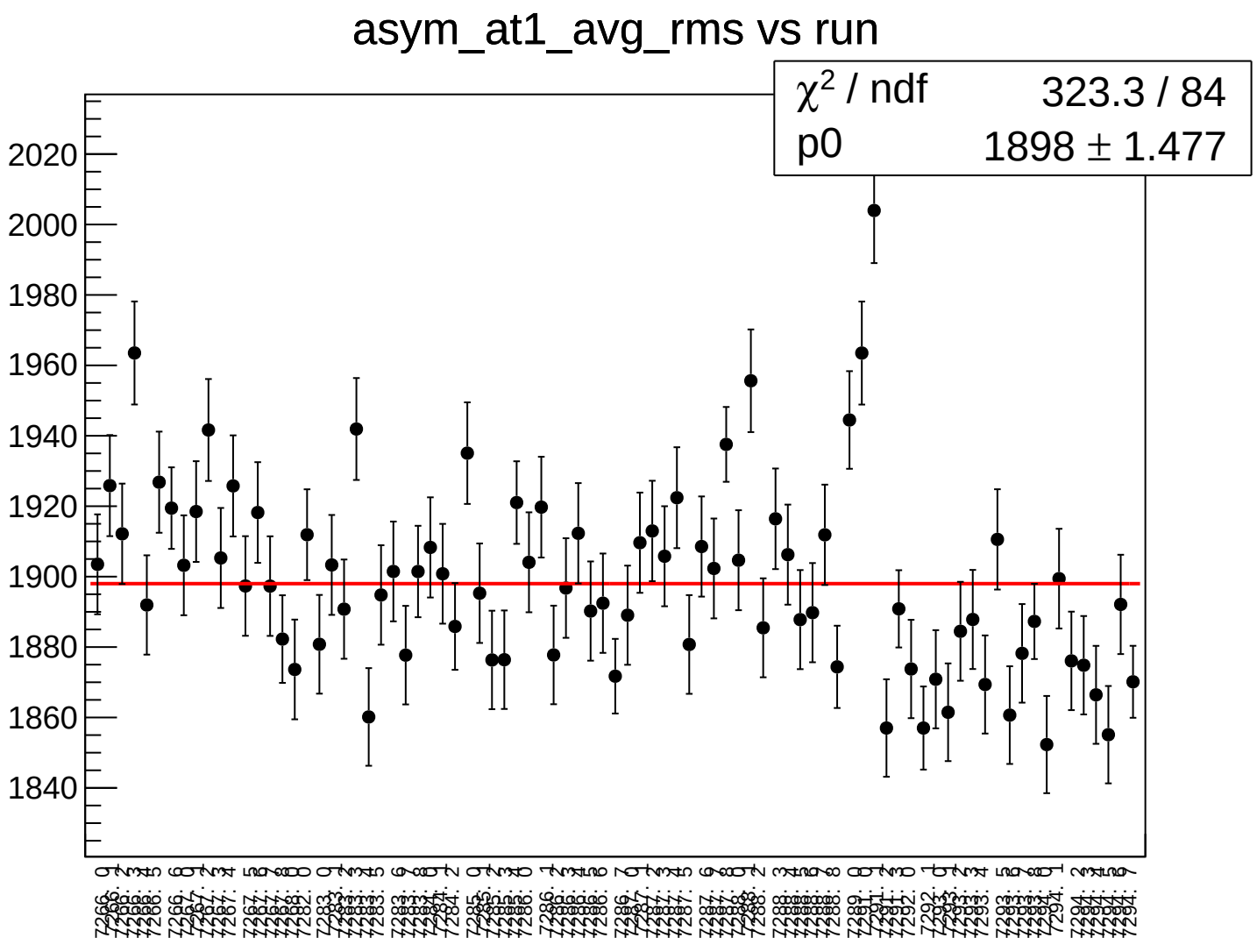

dit_asym_at1_avg_rms vs run
χ² / ndf 79.83 / 84
p0 1826 ± 1.421
1880
1870
1860
1850
1840
1830
1820
1810
1800
1790

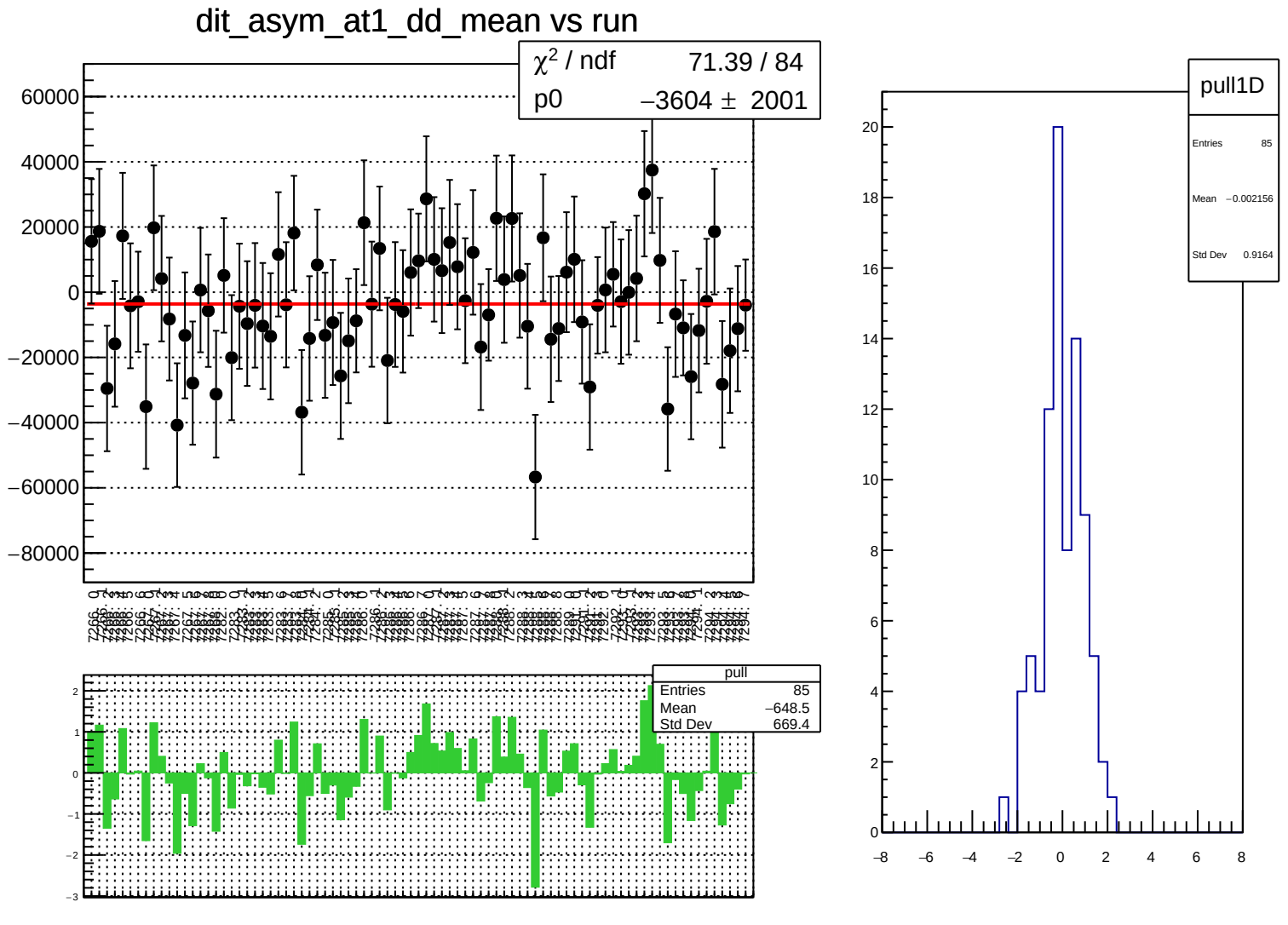

asym_at1_avg_correction_mean vs run
χ² / ndf 113.8 / 84
p0 −633.4 ± 616.8
pull
Entries 85
Mean 109.3
Std Dev 24.08
pull1D
Entries 85
Mean −0.01784
Std Dev 1.157

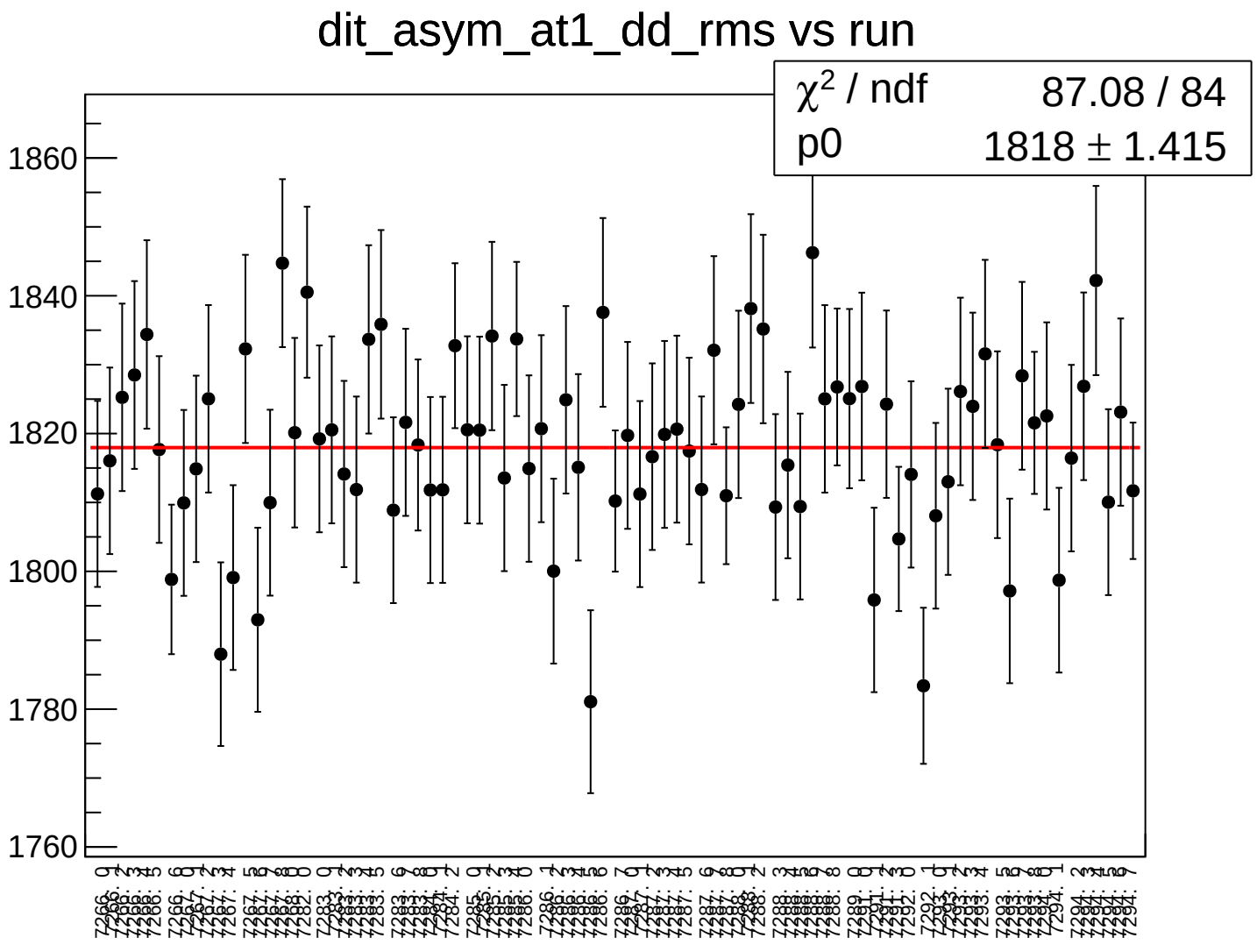
asym_at1_avg_correction_rms vs run

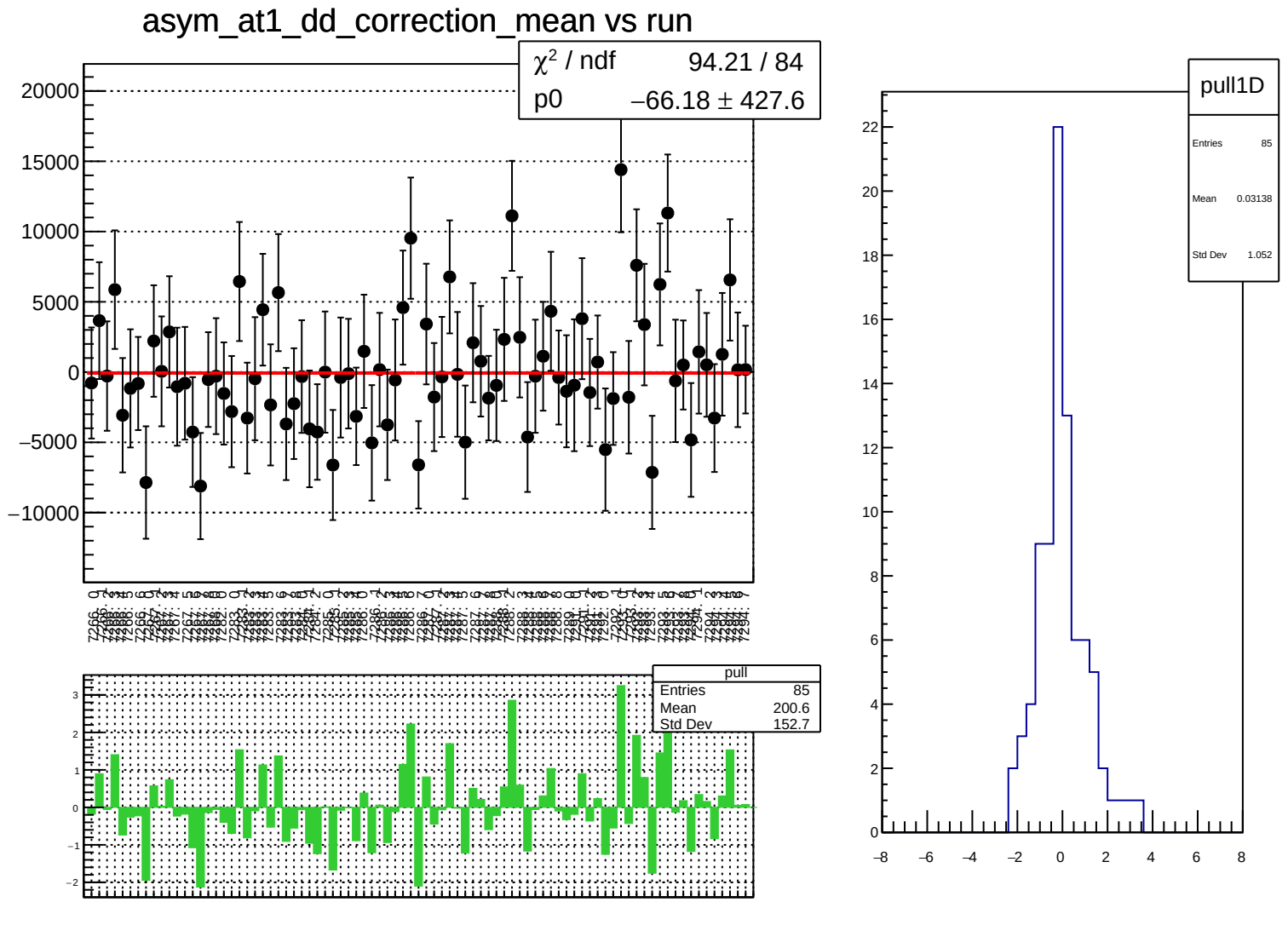



asym_at1_avg_mean vs run
χ² / ndf 92.24 / 84
p0 1506 ± 2089
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 53.99
Std Dev 76.94
pull1D
Entries 85
Mean 0.01133
Std Dev 1.042

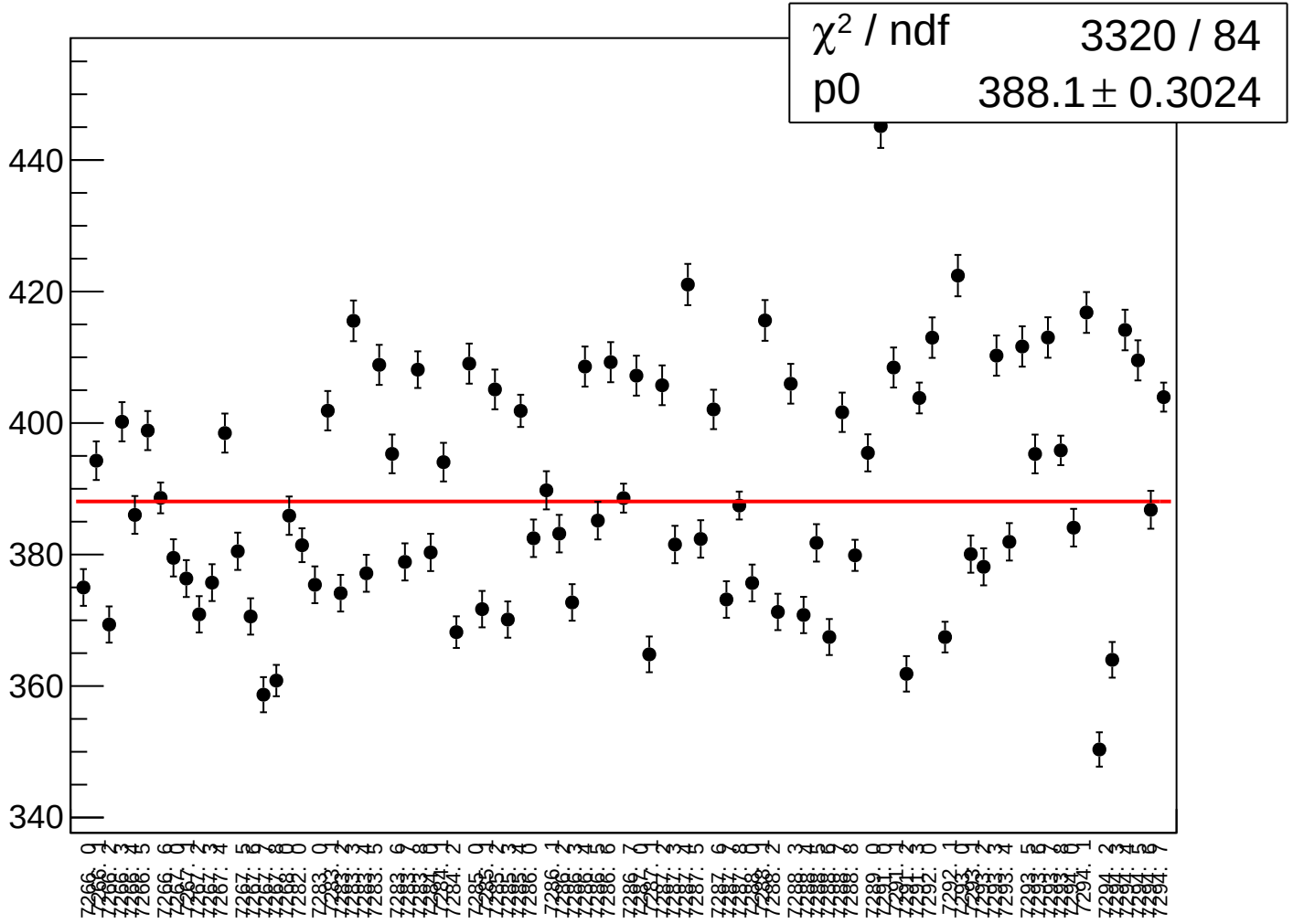

asym_at1_avg_rms vs run
χ² / ndf 323.3 / 84
p0 1898 ± 1.477
2020
2000
1980
1960
1940
1920
1900
1880
1860
1840

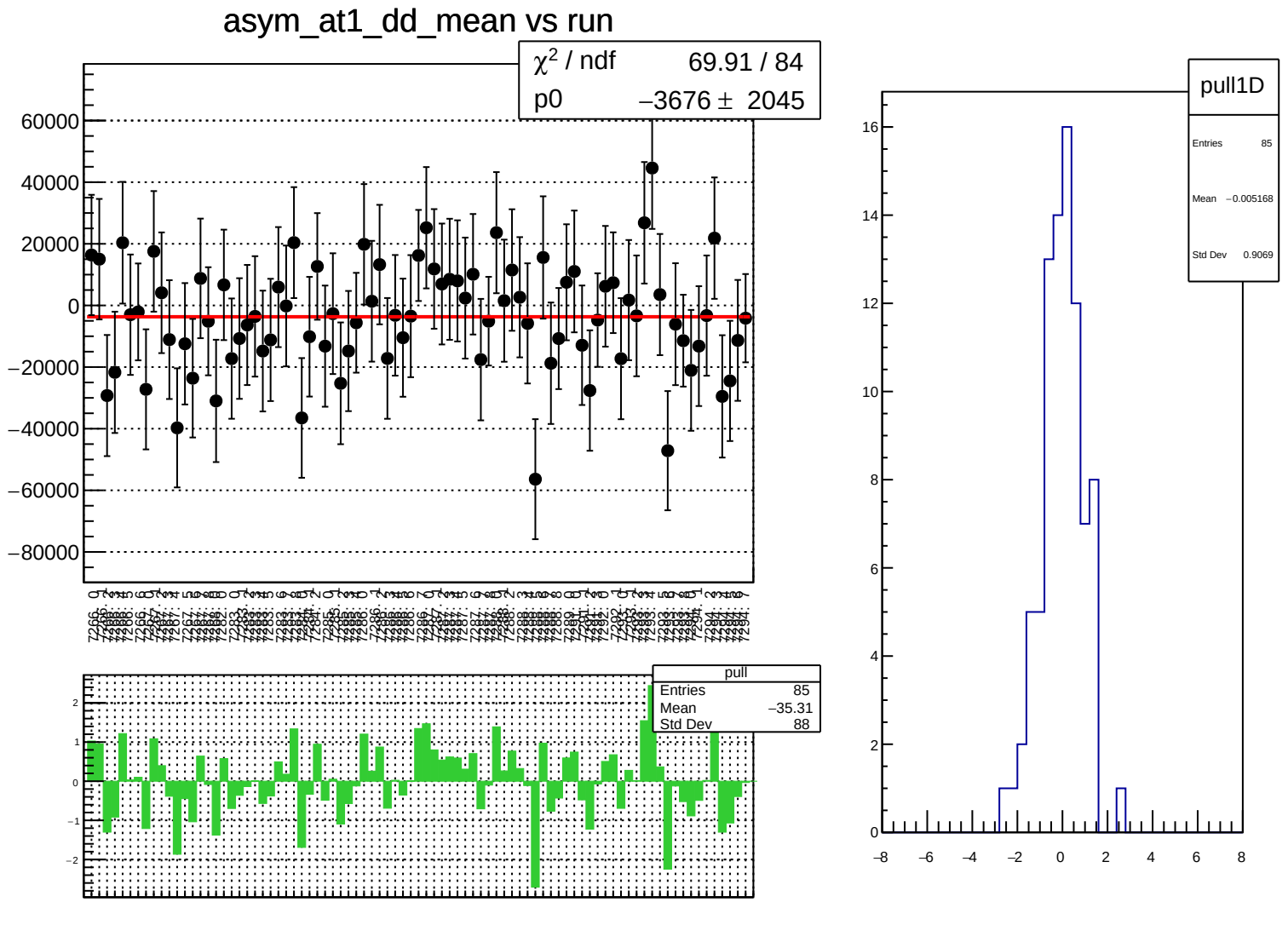

dit_asym_at1_dd_mean vs run
χ² / ndf 71.39 / 84
p0 −3604 ± 2001
pull
Entries 85
Mean −648.5
Std Dev 669.4
pull1D
Entries 85
Mean −0.002156
Std Dev 0.9164

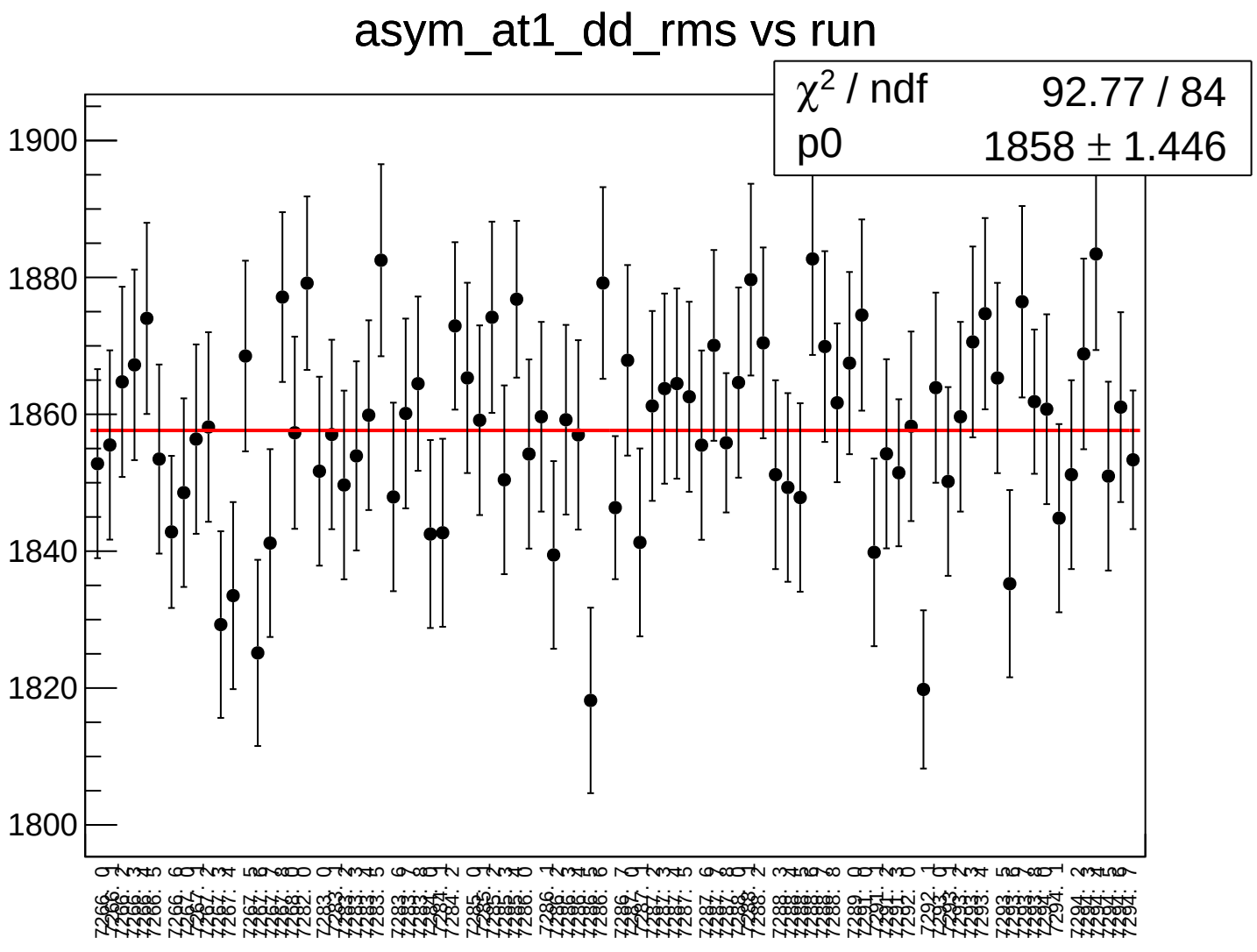

dit_asym_at1_dd_rms vs run
χ² / ndf 87.08 / 84
p0 1818 ± 1.415
1860
1840
1820
1800
1780
1760

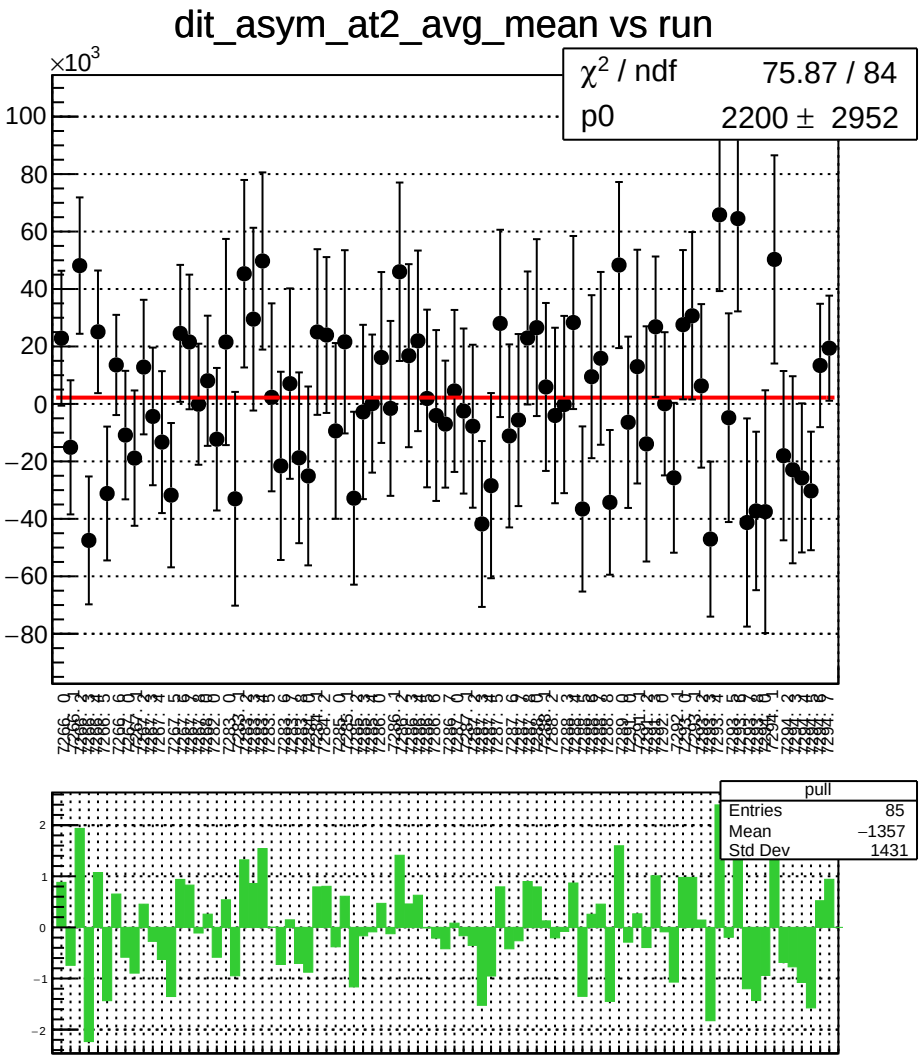

asym_at1_dd_correction_mean vs run
χ² / ndf 94.21 / 84
p0 −66.18 ± 427.6
pull
Entries 85
Mean 200.6
Std Dev 152.7
pull1D
Entries 85
Mean 0.03138
Std Dev 1.052

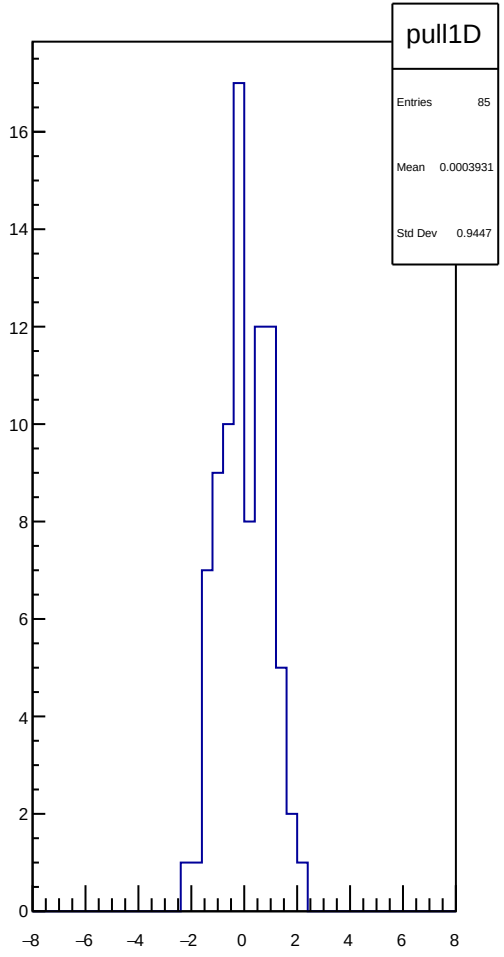
asym_at1_dd_correction_rms vs run

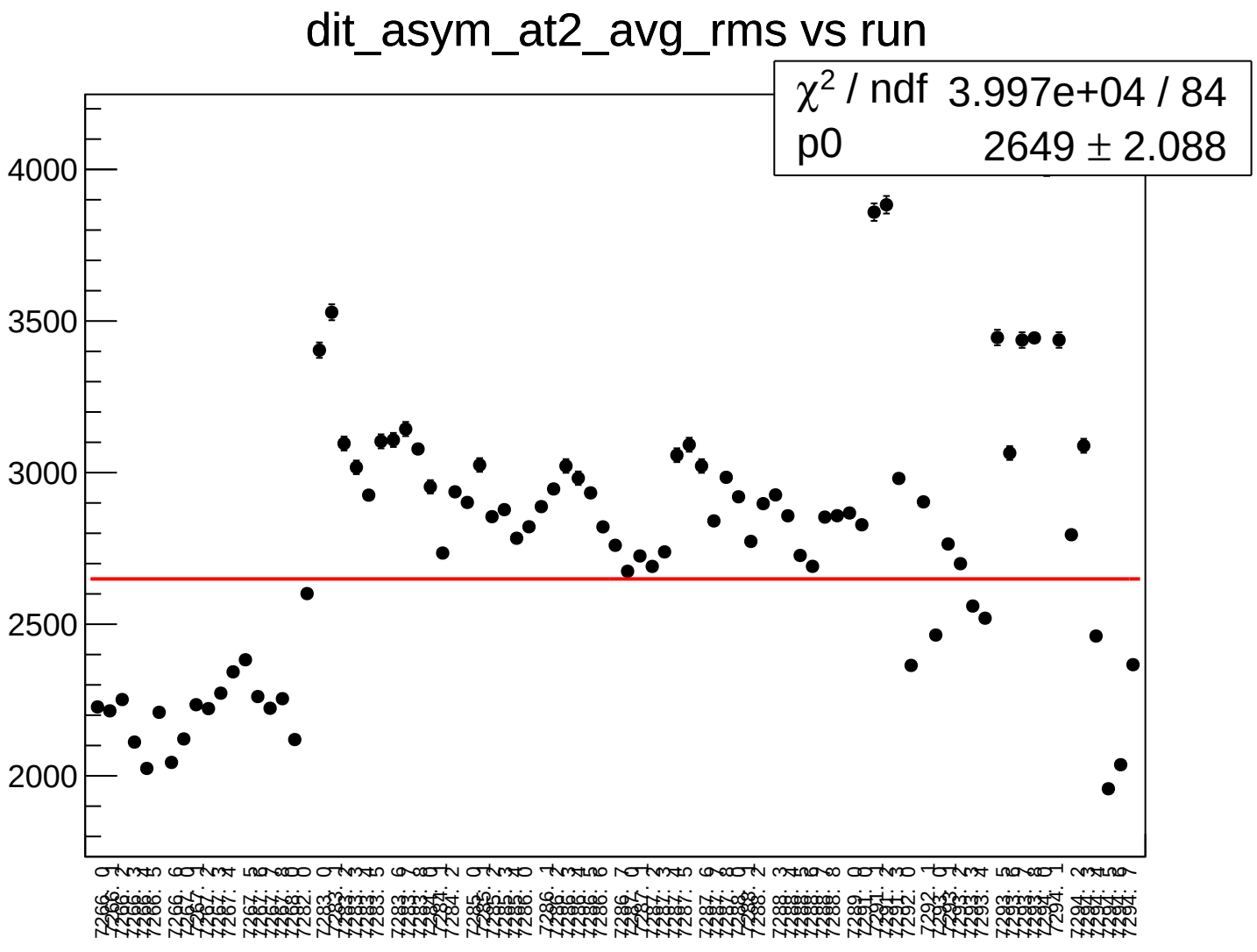


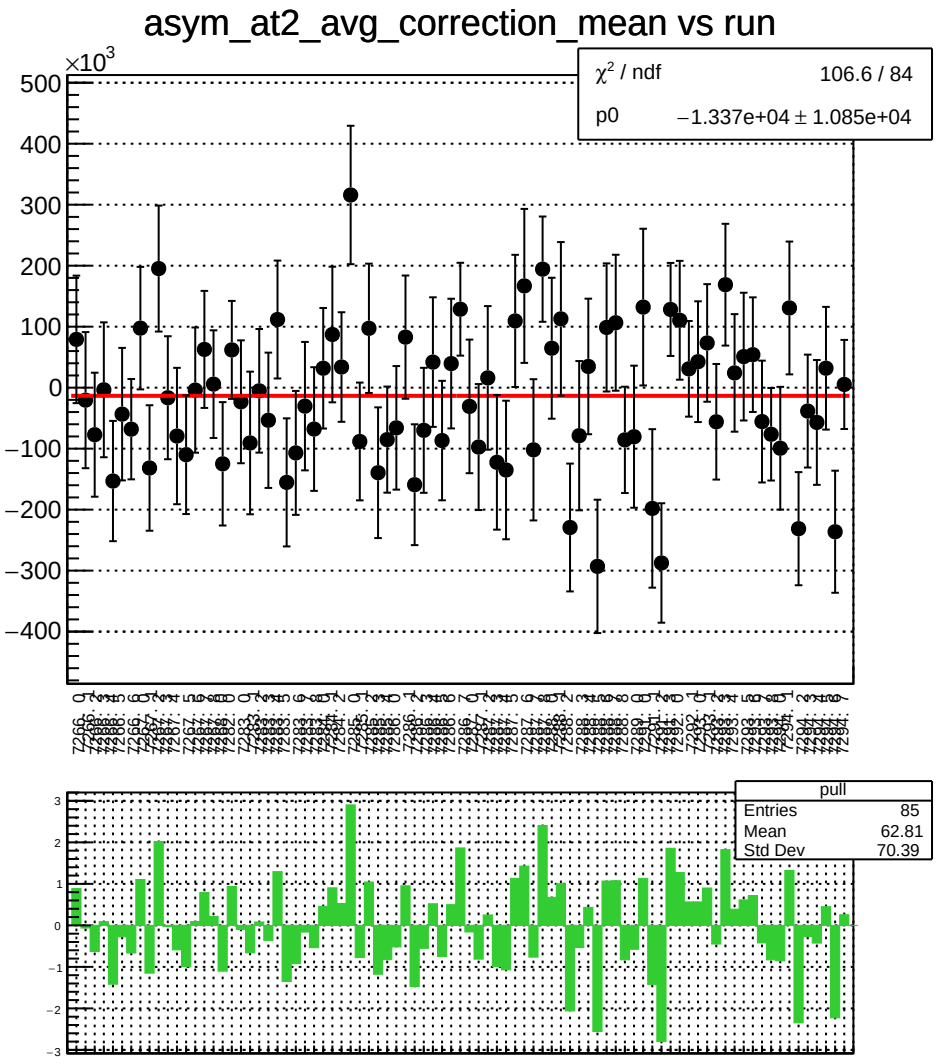

asym_at1_dd_mean vs run
χ² / ndf 69.91 / 84
p0 −3676 ± 2045
pull
Entries 85
Mean −35.31
Std Dev 88
pull1D
Entries 85
Mean −0.005168
Std Dev 0.9069

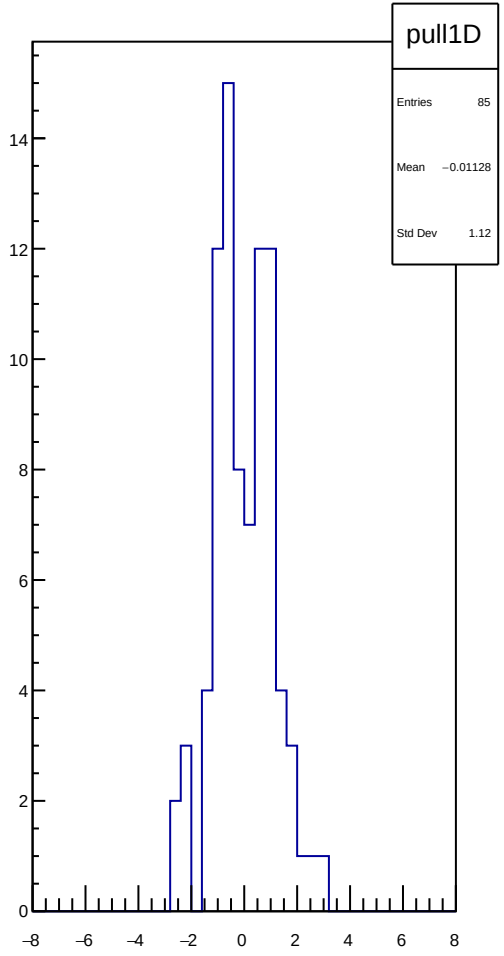

asym_at1_dd_rms vs run
χ² / ndf 92.77 / 84
p0 1858 ± 1.446
1900
1880
1860
1840
1820
1800


dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 75.87 / 84
p0 2200 ± 2952
pull
Entries 85
Mean −1357
Std Dev 1431

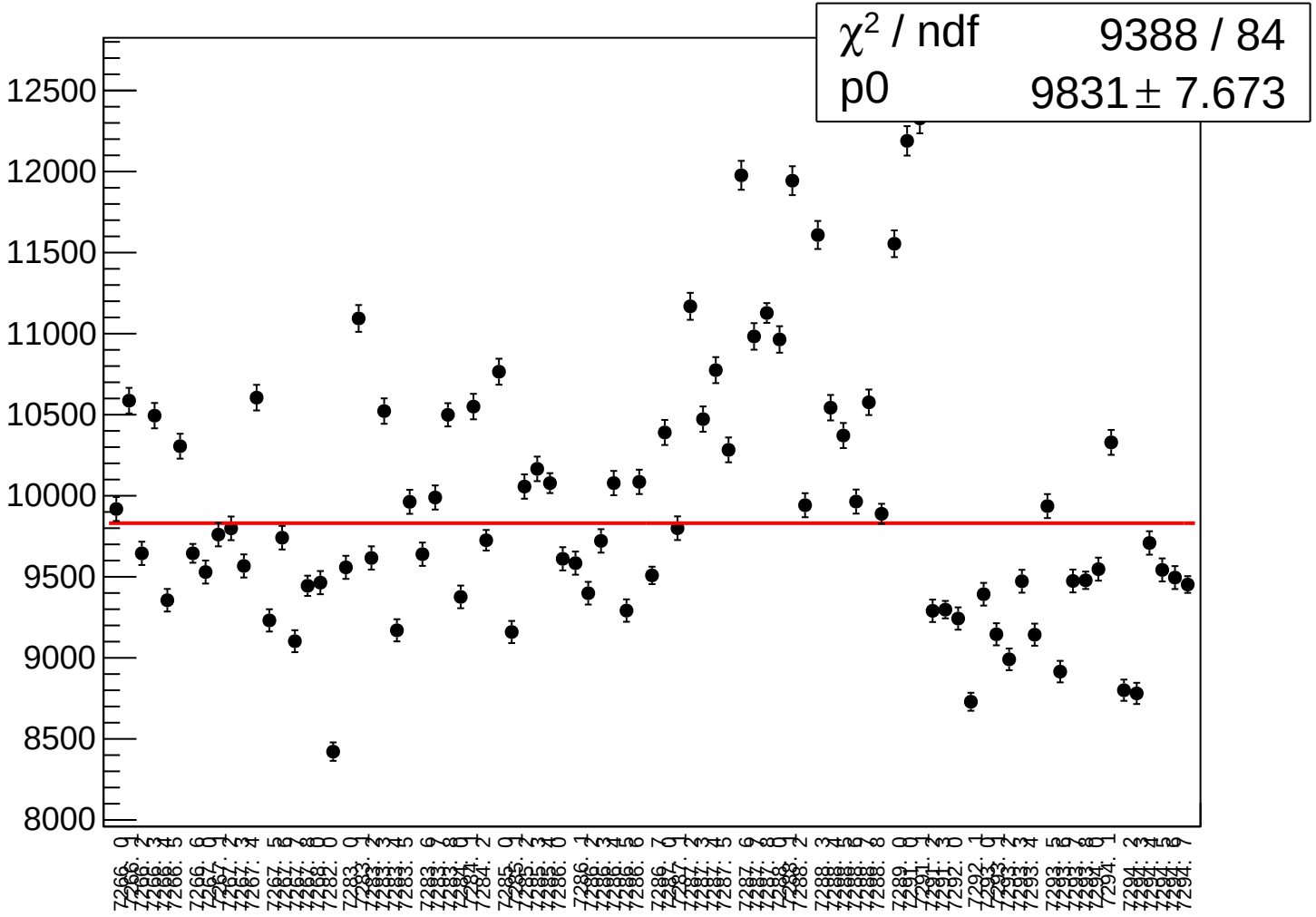

pull1D
Entries 85
Mean 0.0003931
Std Dev 0.9447

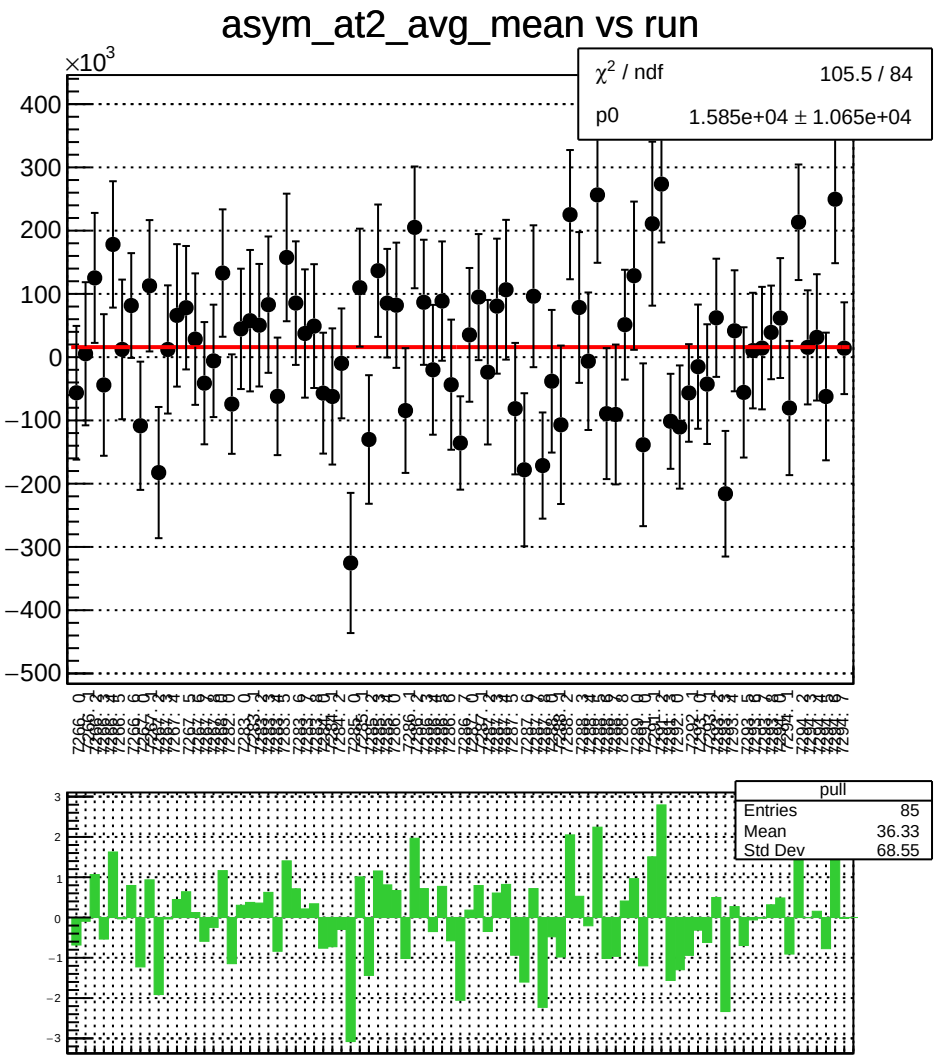

dit_asym_at2_avg_rms vs run
χ^2 / ndf 3.997e+04 / 84
p0 2649 ± 2.088
4000
3500
3000
2500
2000

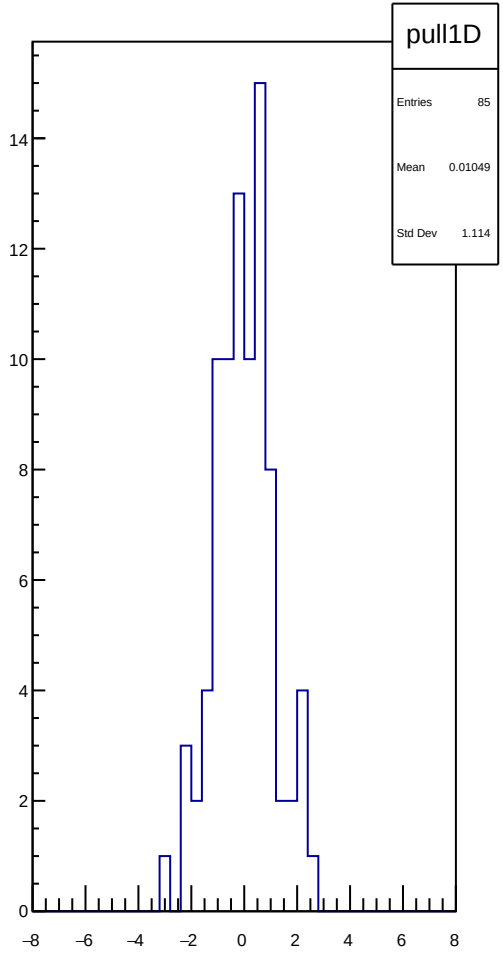

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 106.6 / 84
p0 −1.337e+04 ± 1.085e+04
pull
Entries 85
Mean 62.81
Std Dev 70.39

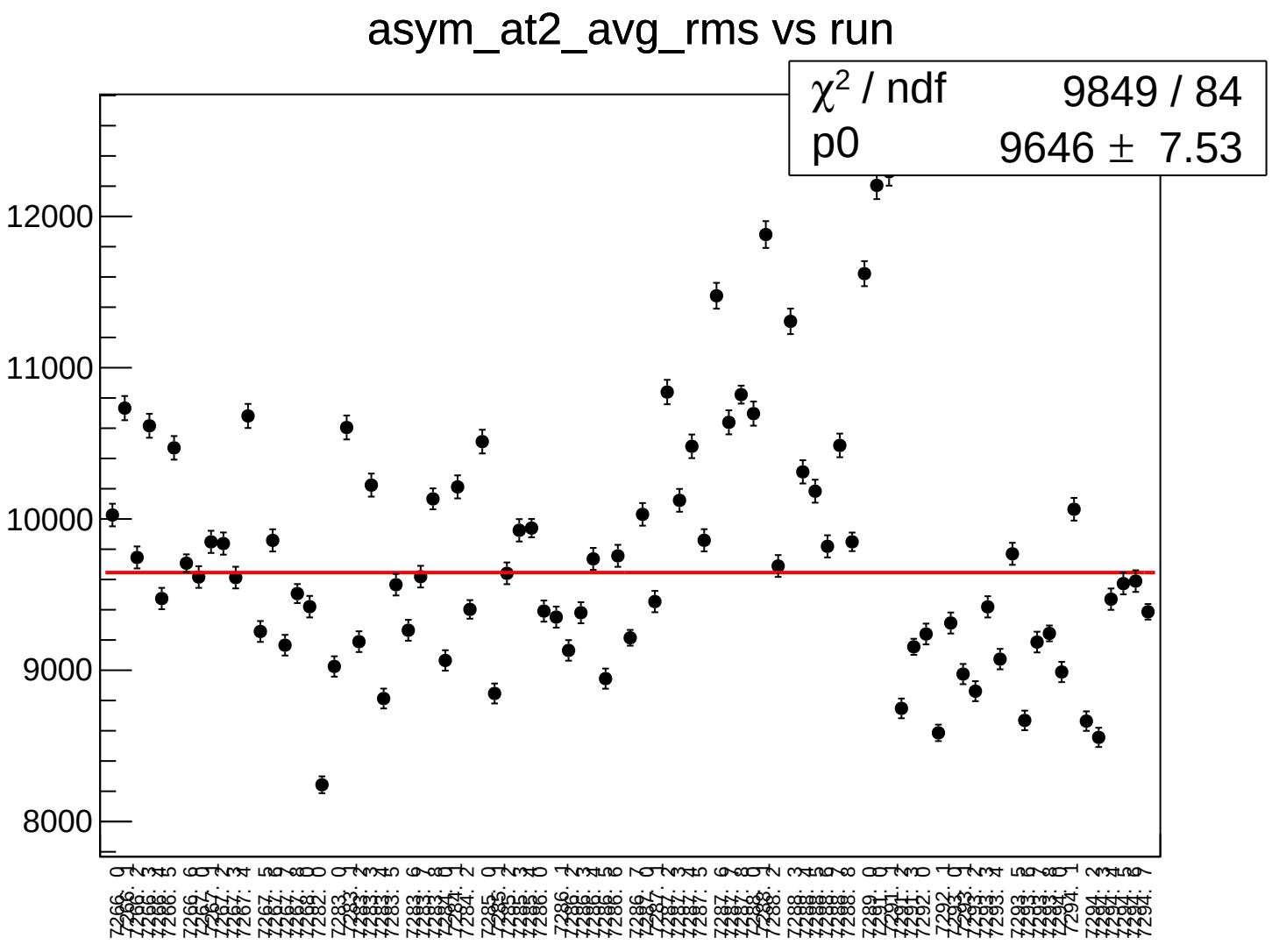

pull1D
Entries 85
Mean −0.01128
Std Dev 1.12

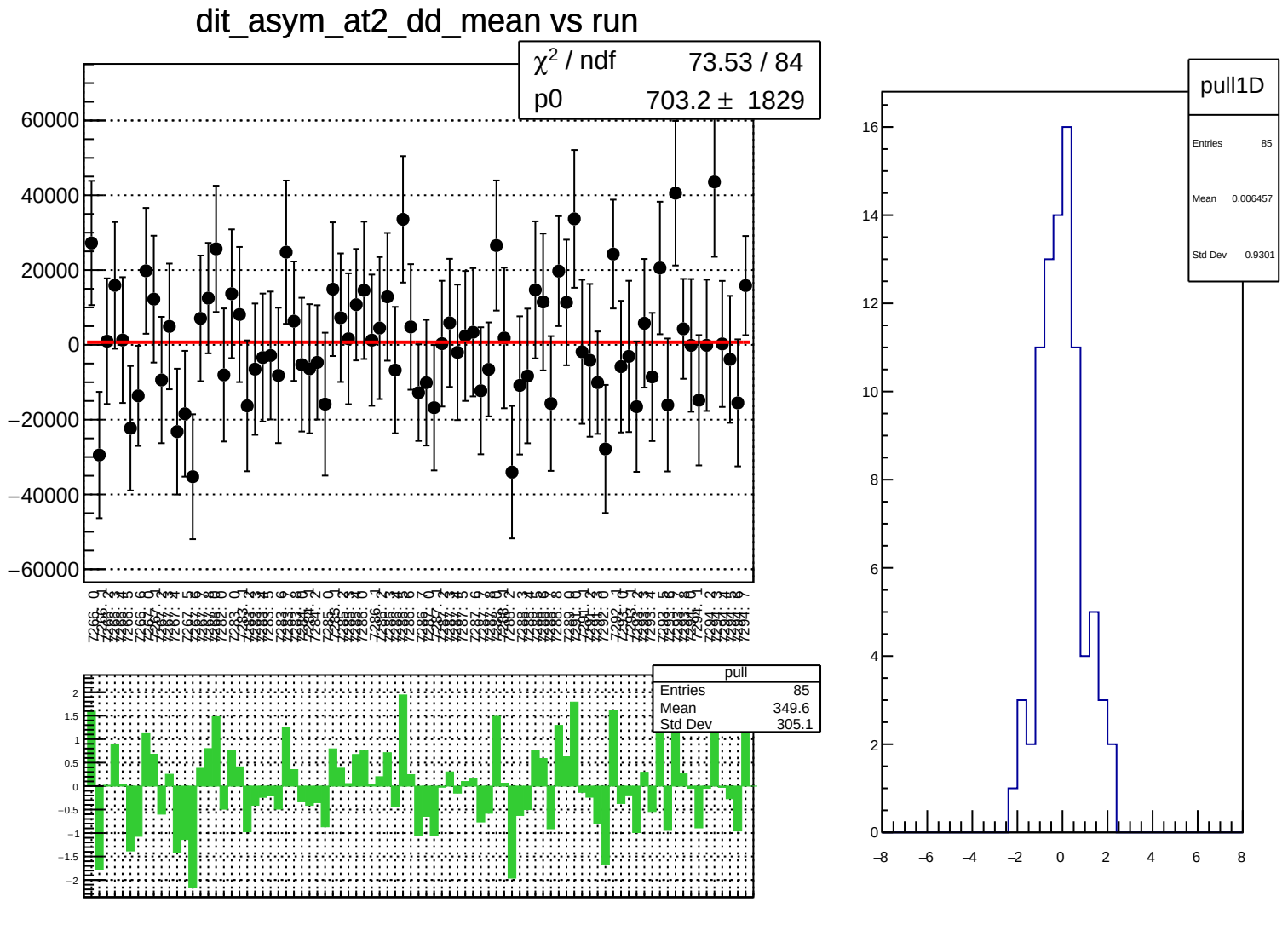
asym_at2_avg_correction_rms vs run



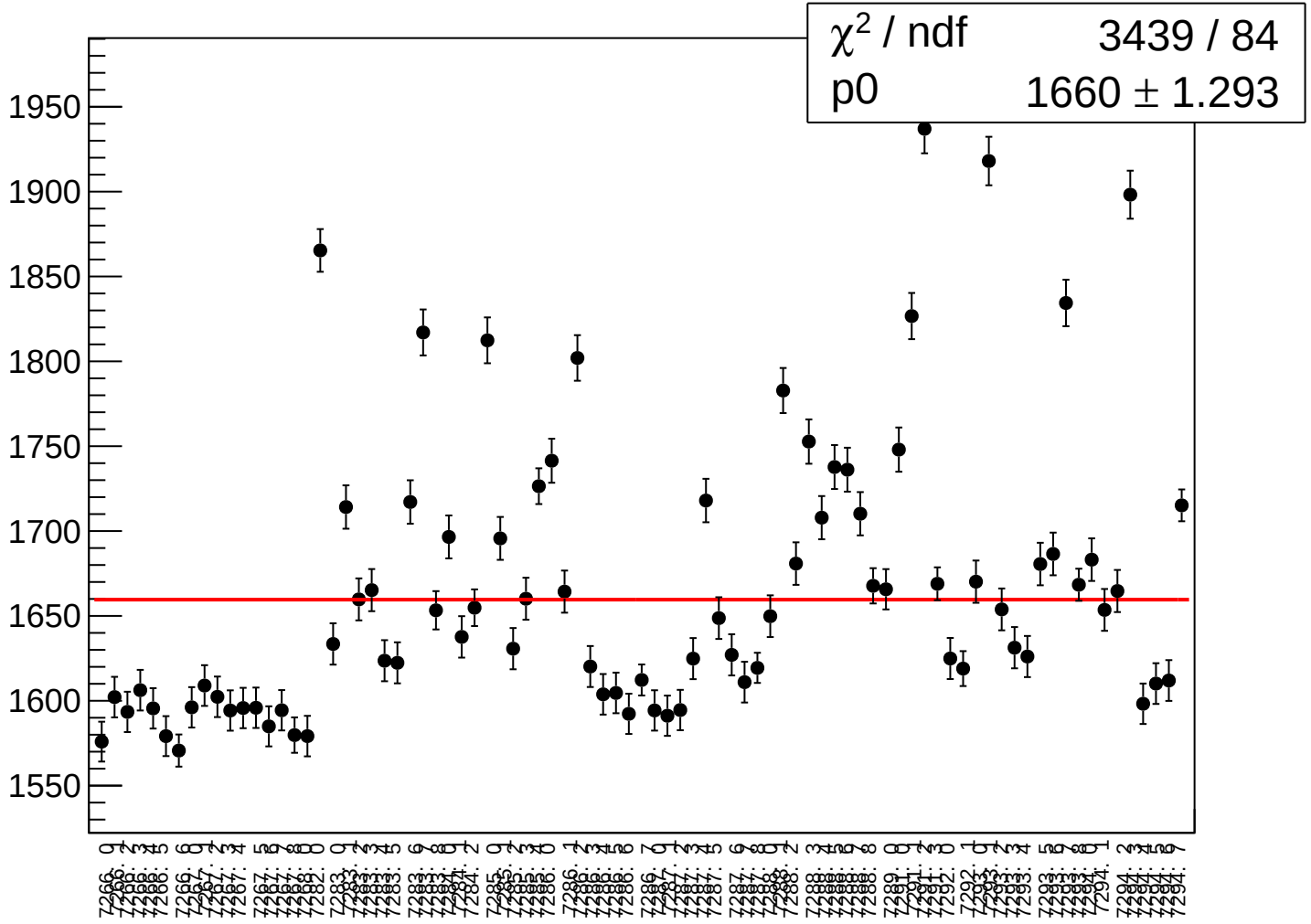

asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 105.5 / 84
p0 1.585e+04 ± 1.065e+04
pull
Entries 85
Mean 36.33
Std Dev 68.55

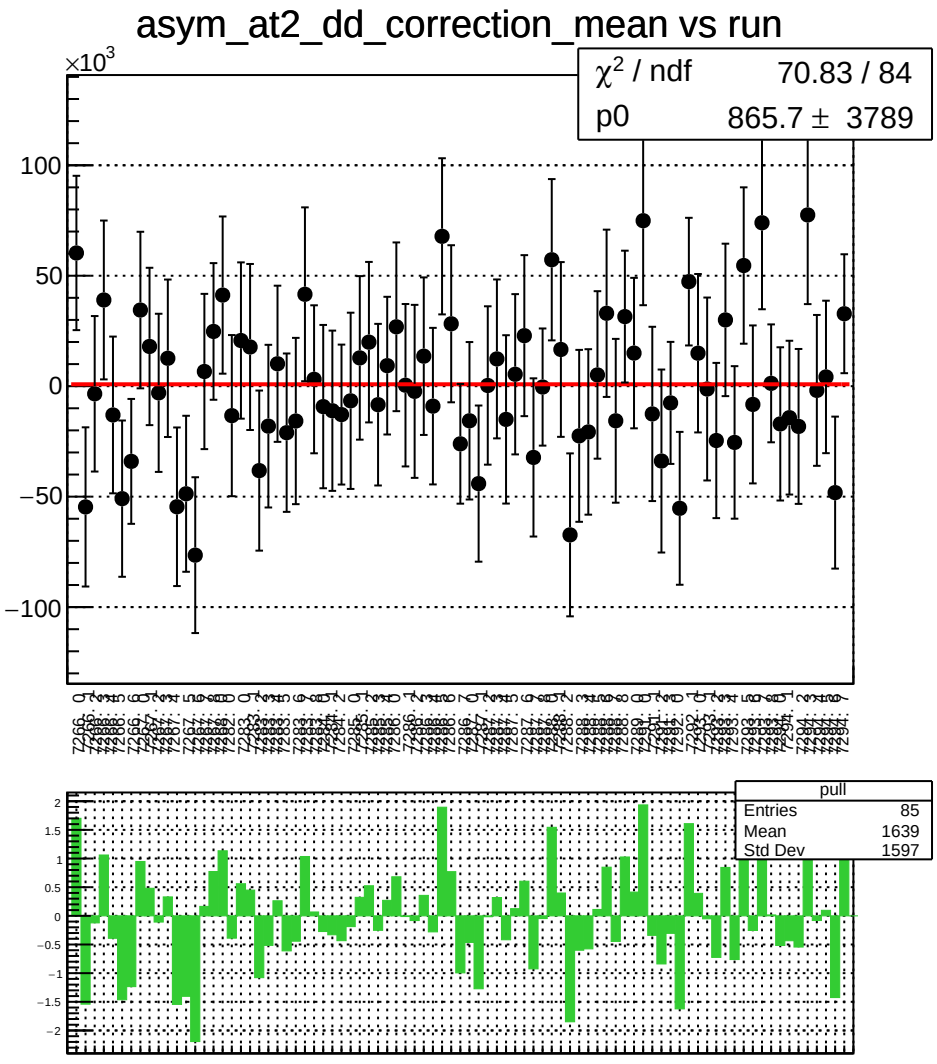

pull1D
Entries 85
Mean 0.01049
Std Dev 1.114

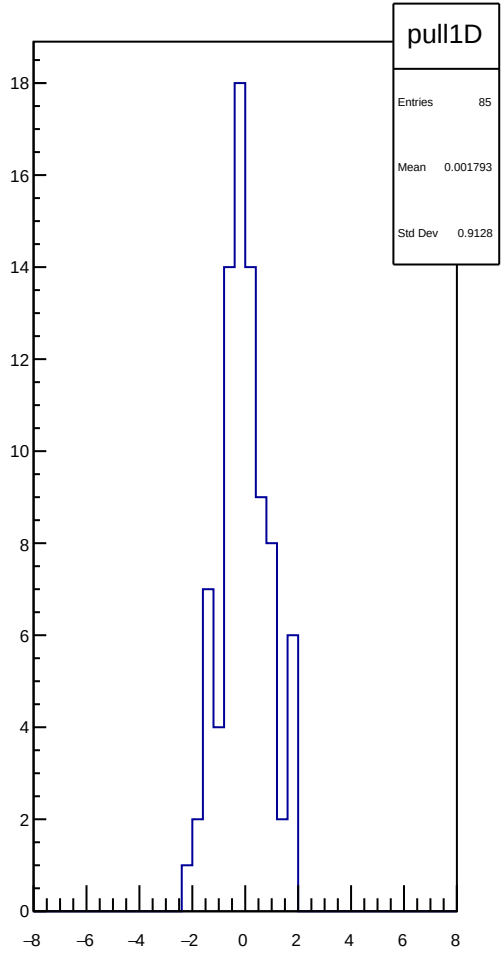

asym_at2_avg_rms vs run
χ² / ndf 9849 / 84
p0 9646 ± 7.53
12000
11000
10000
9000
8000


dit_asym_at2_dd_mean vs run
χ² / ndf 73.53 / 84
p0 703.2 ± 1829
pull
Entries 85
Mean 349.6
Std Dev 305.1
pull1D
Entries 85
Mean 0.006457
Std Dev 0.9301

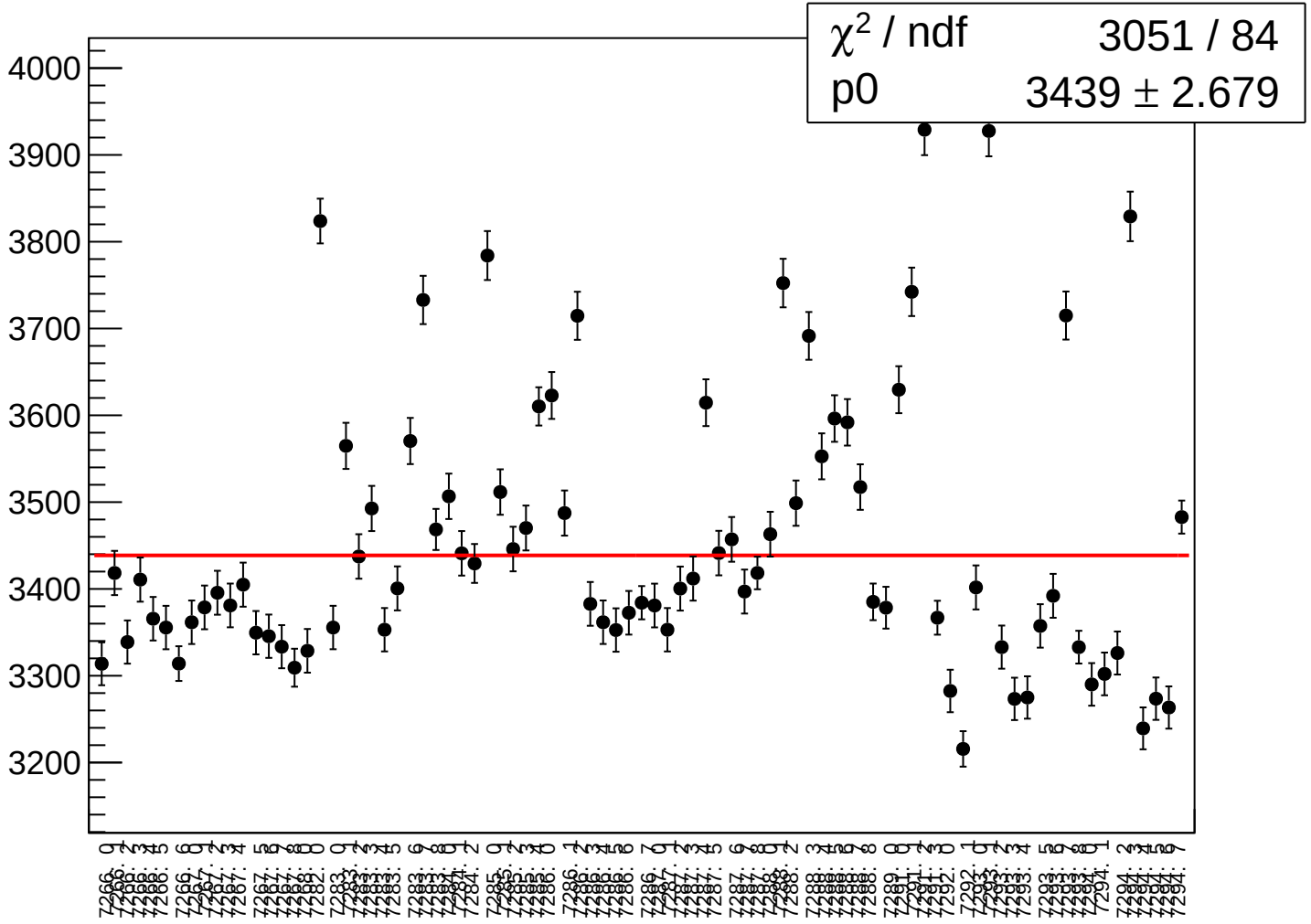
dit_asym_at2_dd_rms vs run

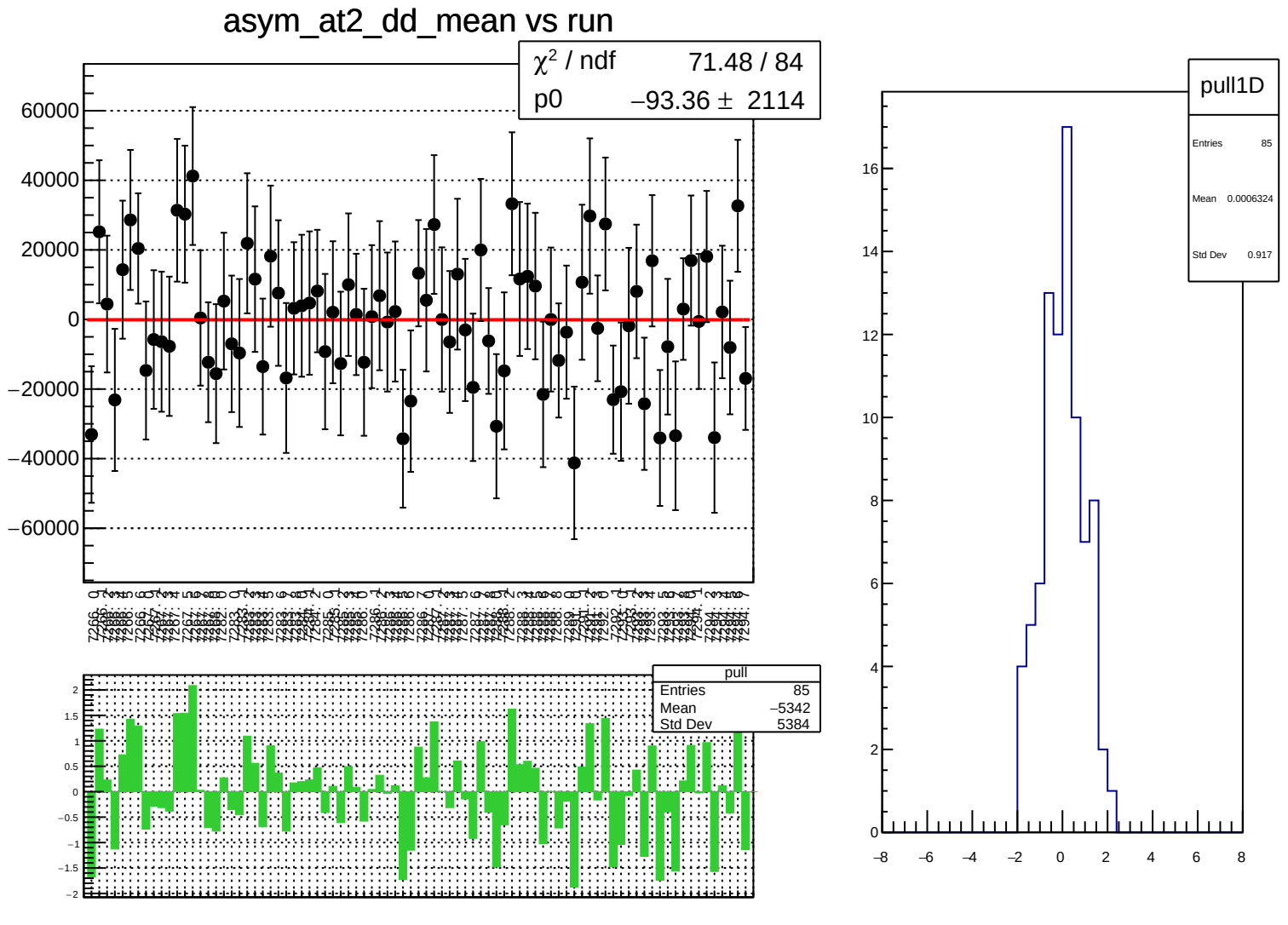



asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 70.83 / 84
p0 865.7 ± 3789
100
50
0
−50
−100
pull
Entries 85
Mean 1639
Std Dev 1597
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

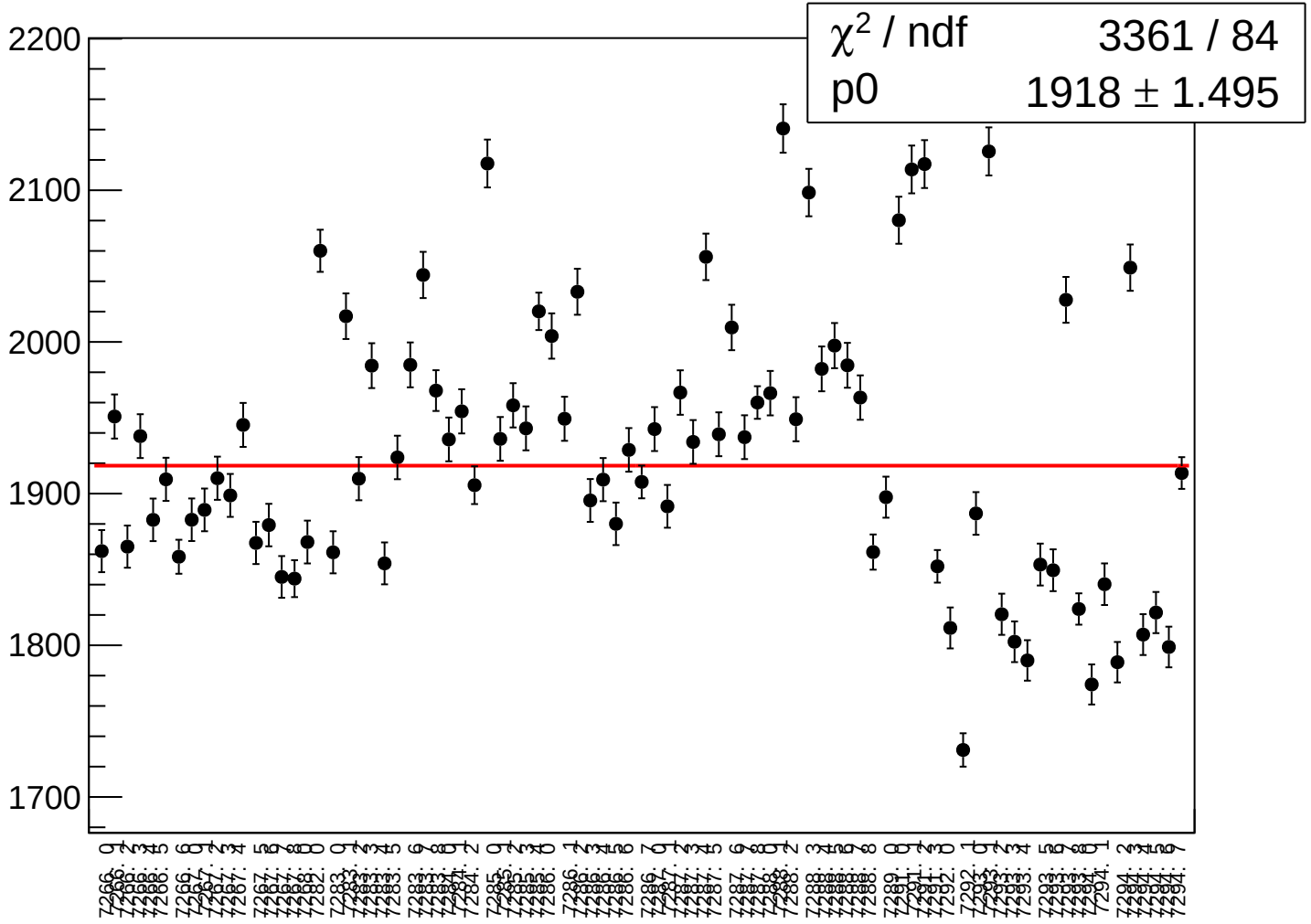

pull1D
Entries 85
Mean 0.001793
Std Dev 0.9128
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

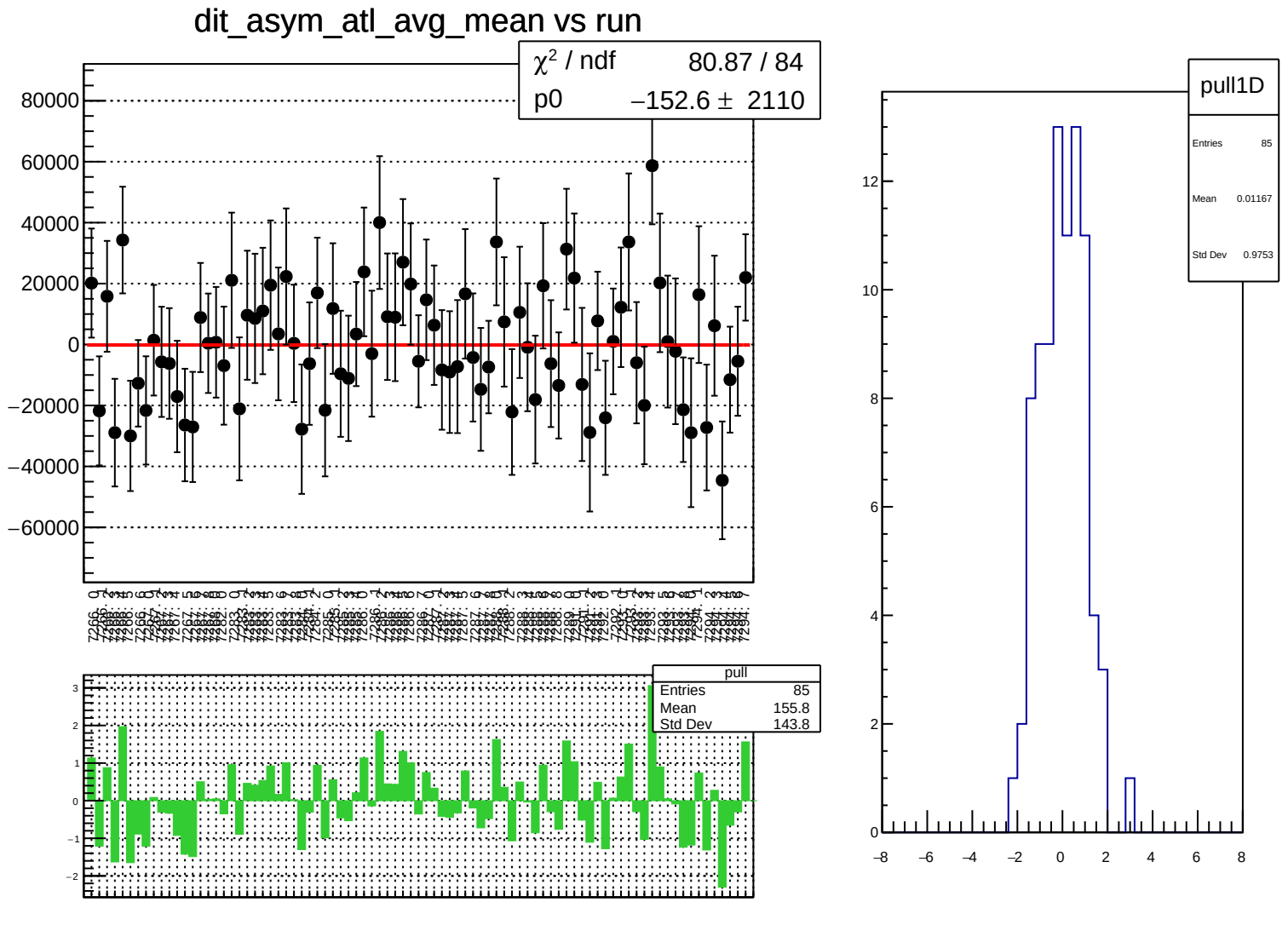
asym_at2_dd_correction_rms vs run

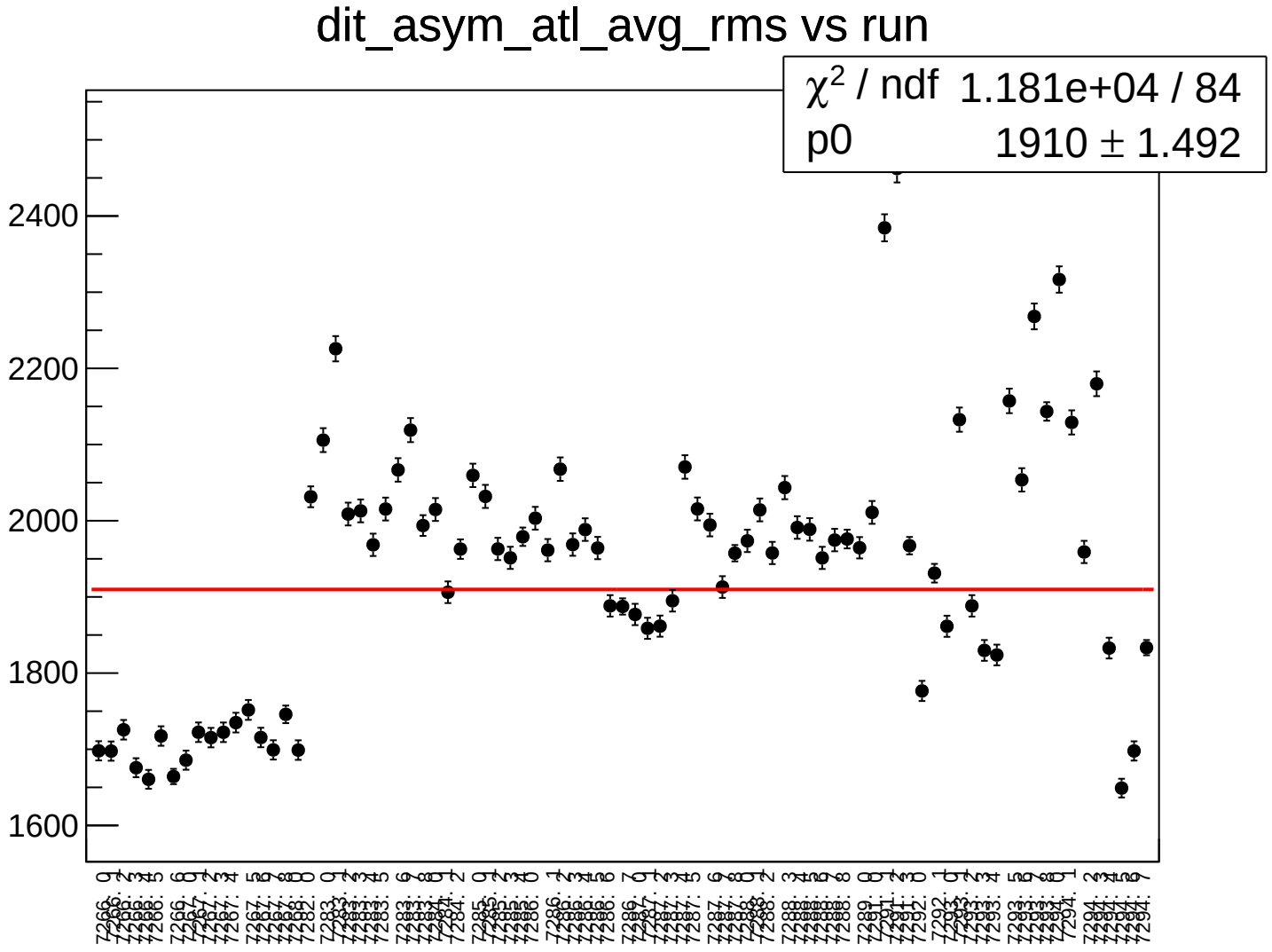


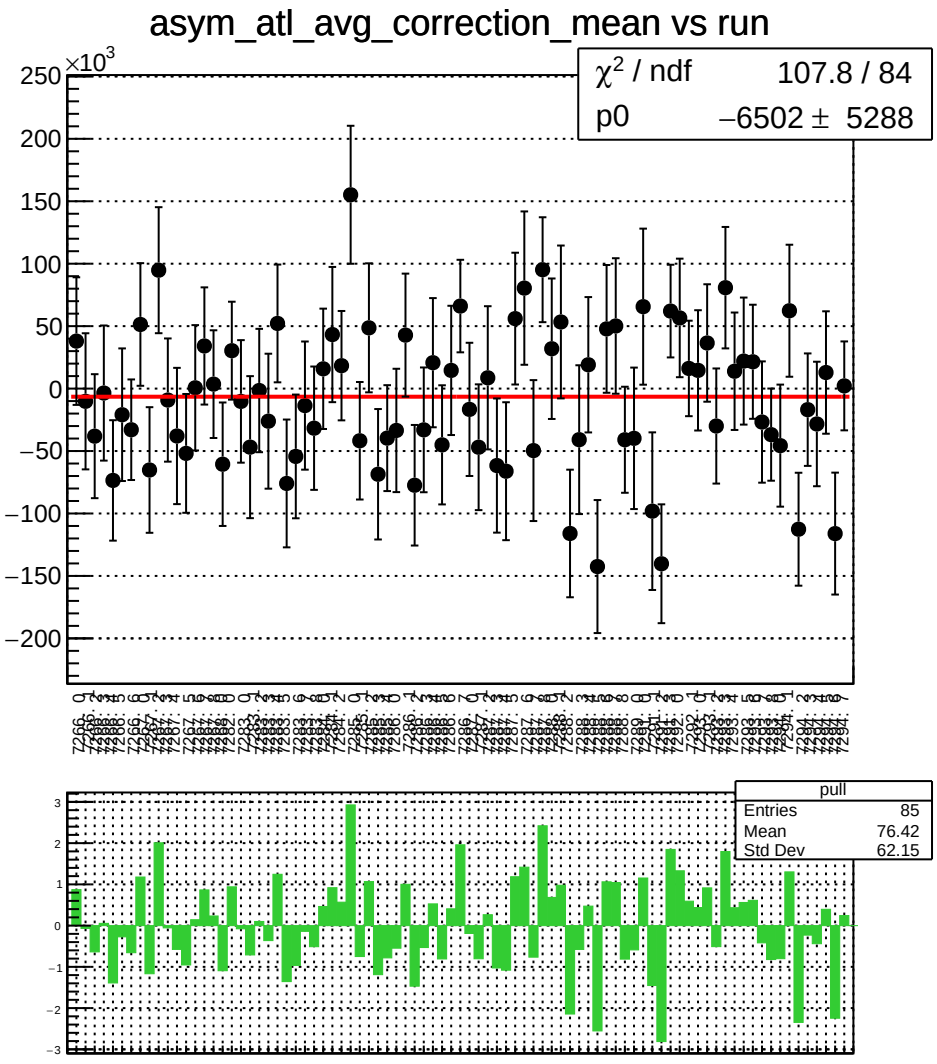

asym_at2_dd_mean vs run
χ² / ndf 71.48 / 84
p0 −93.36 ± 2114
pull
Entries 85
Mean −5342
Std Dev 5384
pull1D
Entries 85
Mean 0.0006324
Std Dev 0.917

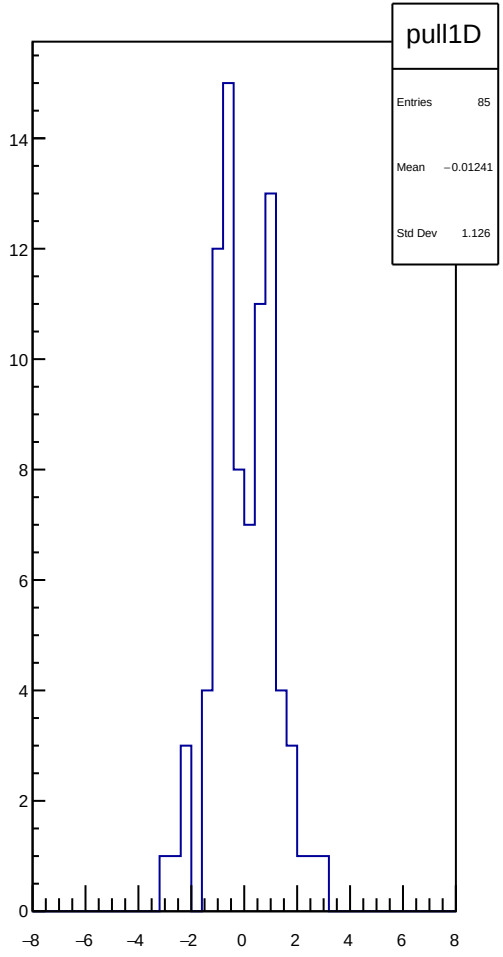
asym_at2_dd_rms vs run



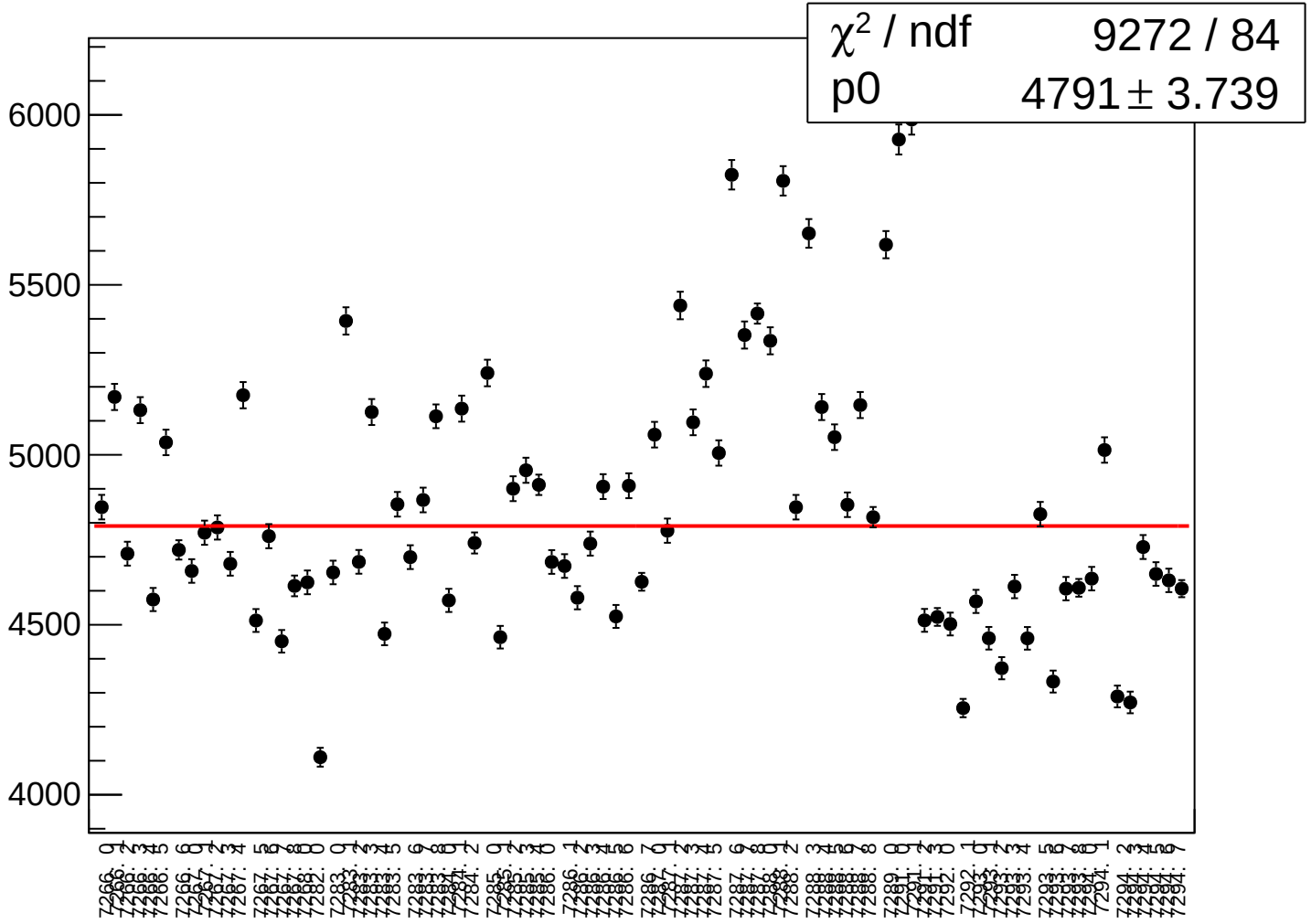

dit_asym_atl_avg_mean vs run
χ² / ndf 80.87 / 84
p0 −152.6 ± 2110
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 155.8
Std Dev 143.8
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.01167
Std Dev 0.9753
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

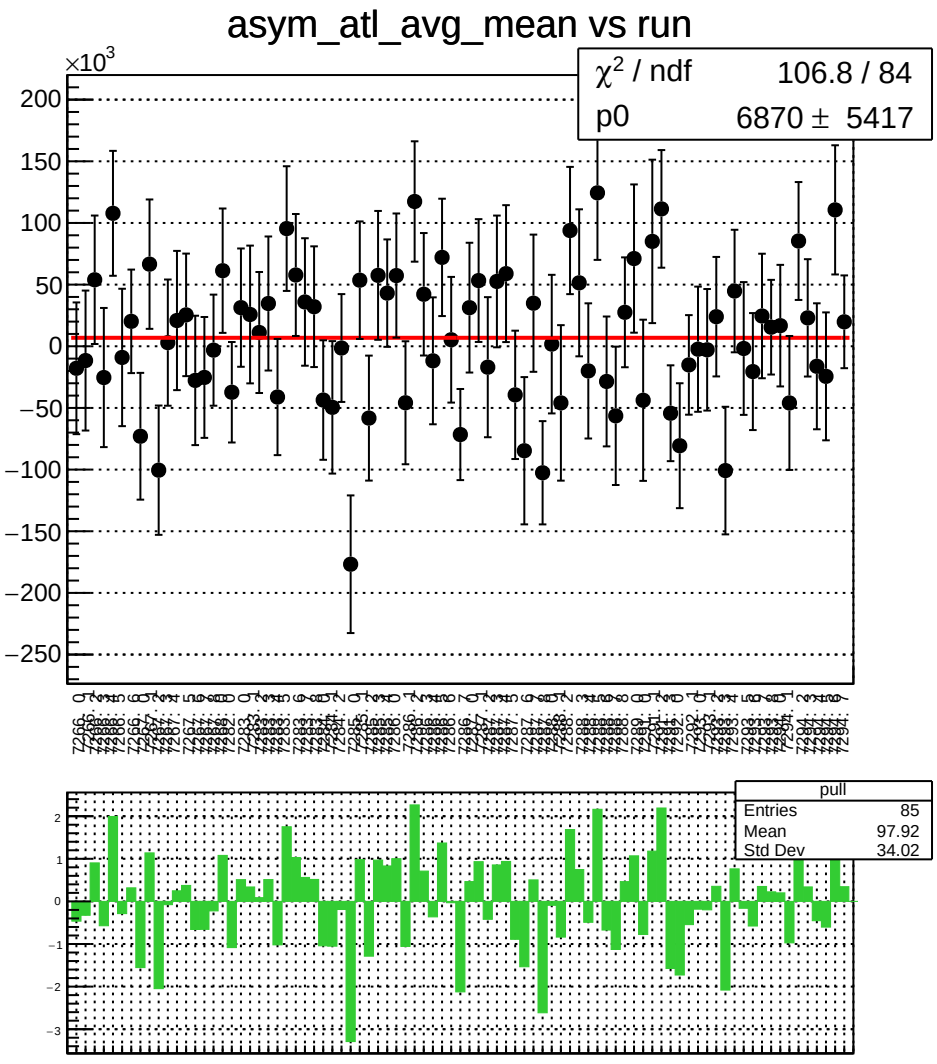

dit_asym_atl_avg_rms vs run
χ^2 / ndf 1.181e+04 / 84
p0 1910 ± 1.492
2400
2200
2000
1800
1600

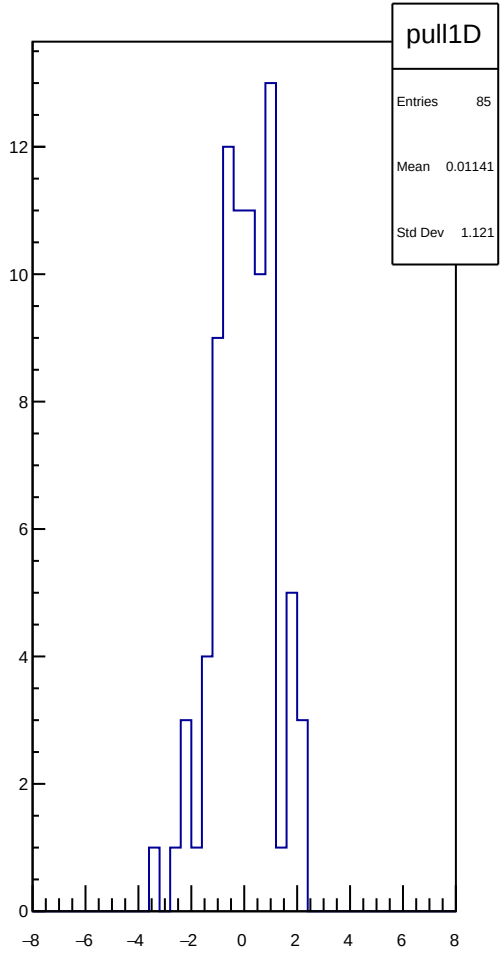

asym_atl_avg_correction_mean vs run
χ^2 / ndf 107.8 / 84
p0 −6502 ± 5288
×10^3
pull
Entries 85
Mean 76.42
Std Dev 62.15

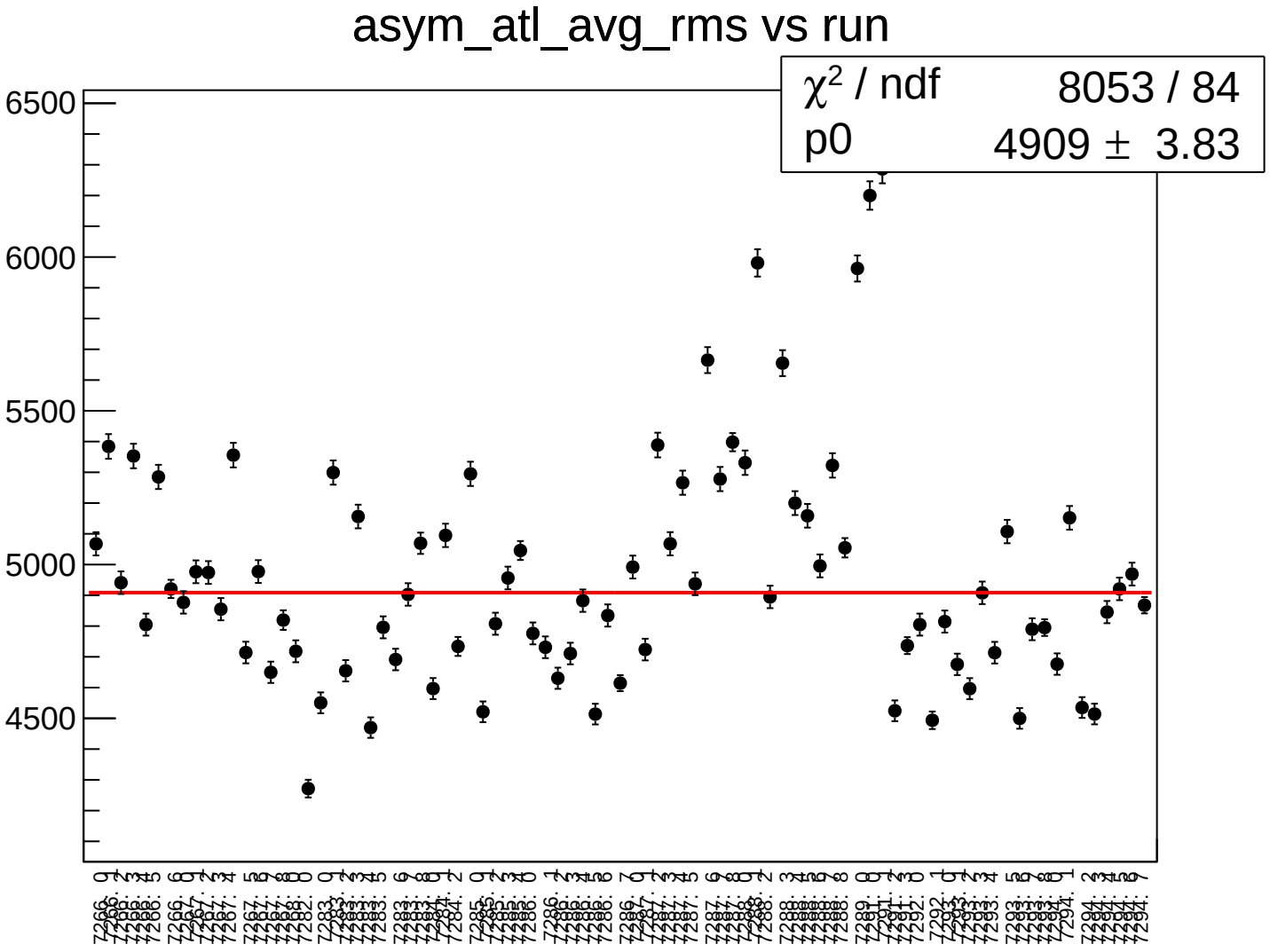

pull1D
Entries 85
Mean −0.01241
Std Dev 1.126

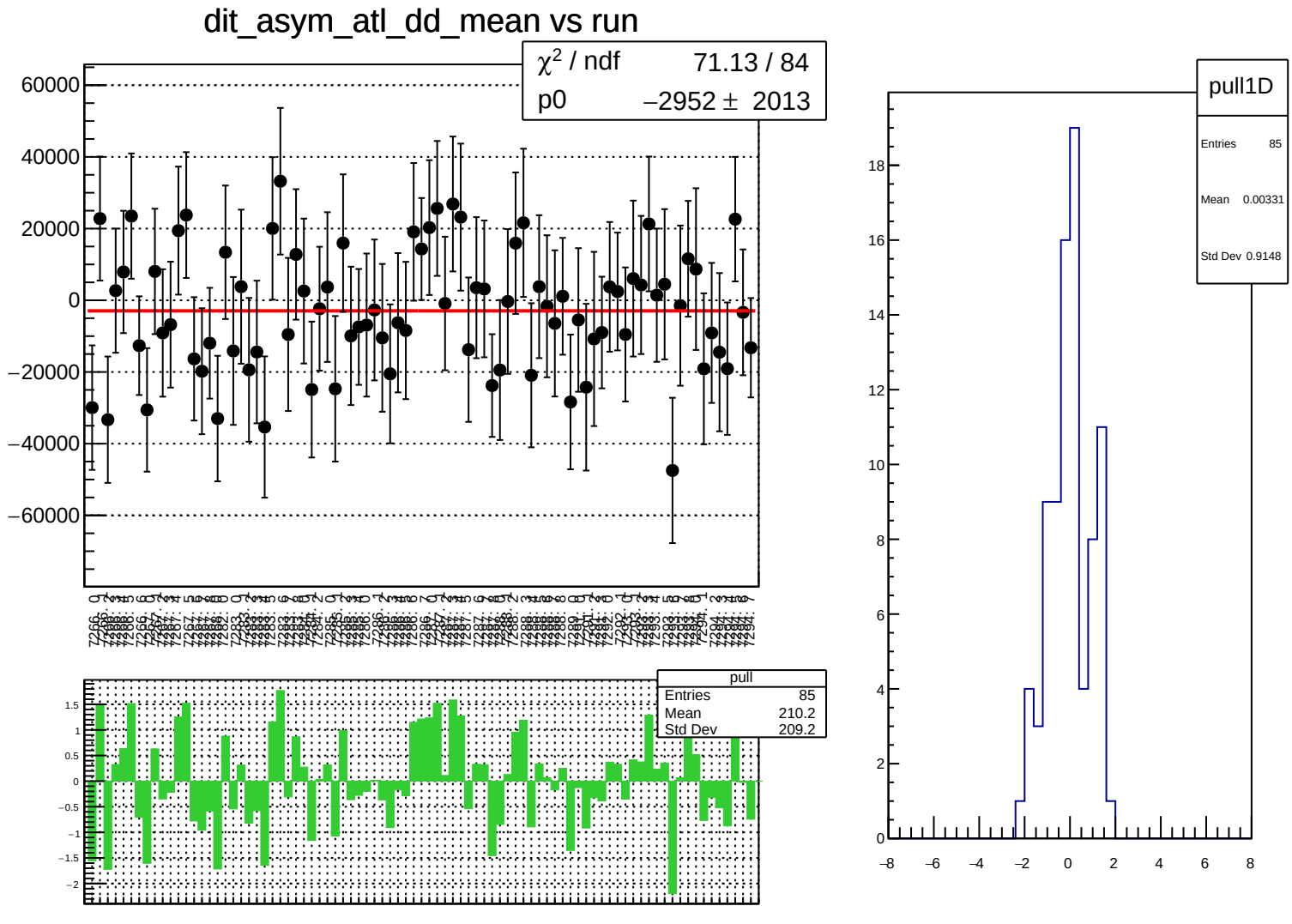
asym_atl_avg_correction_rms vs run

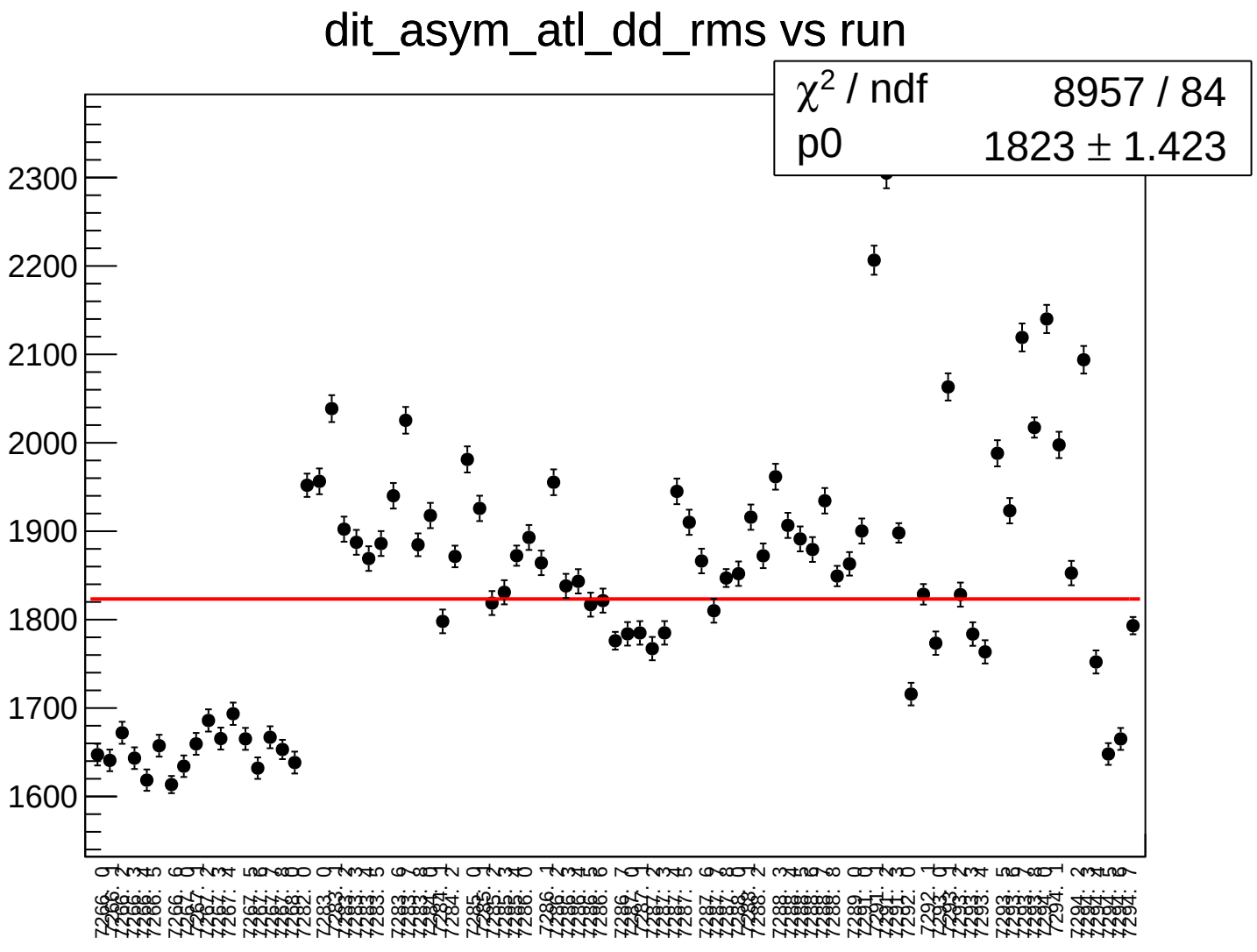


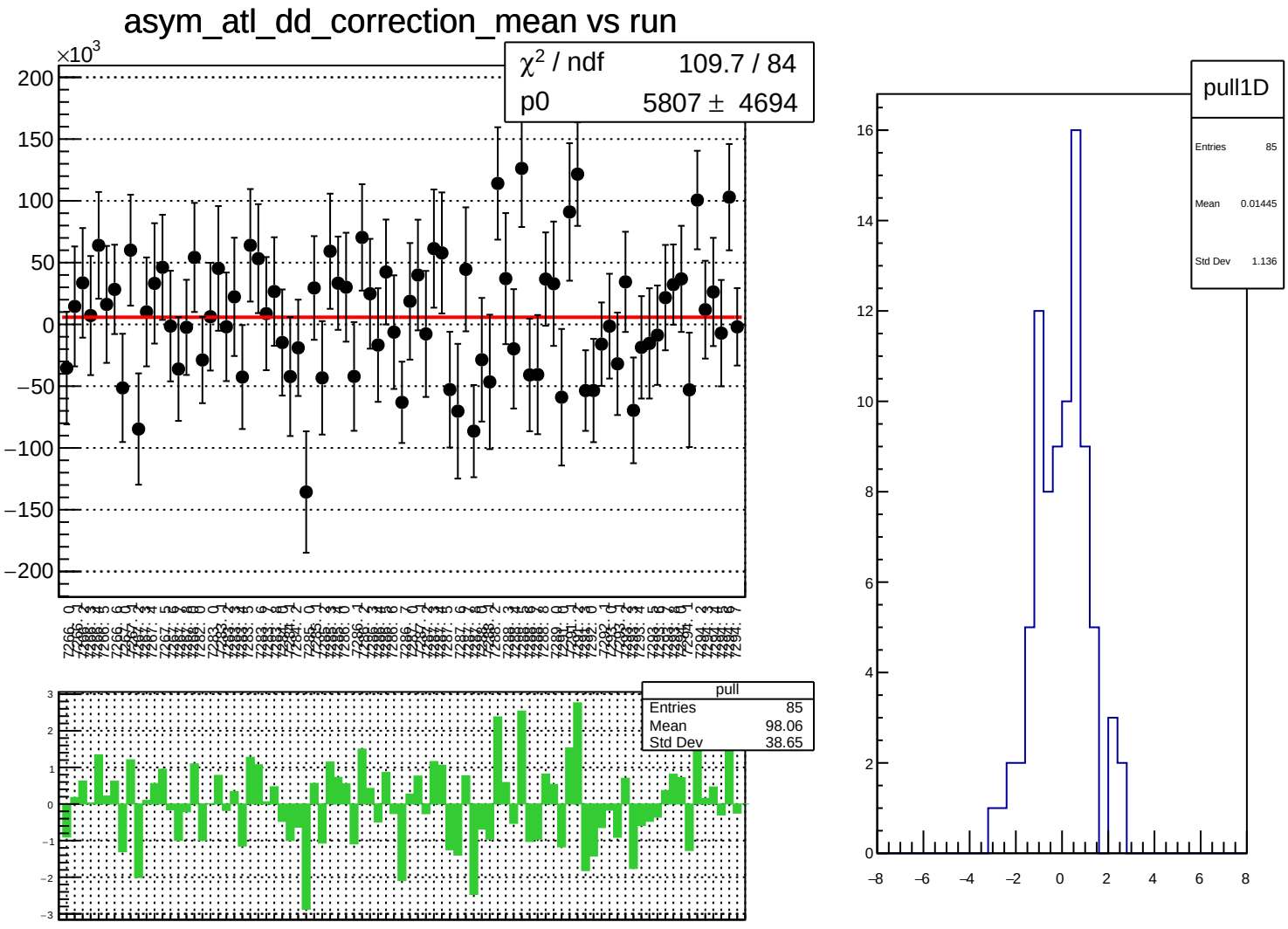

asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 106.8 / 84
p0 6870 ± 5417
pull
Entries 85
Mean 97.92
Std Dev 34.02


pull1D
Entries 85
Mean 0.01141
Std Dev 1.121

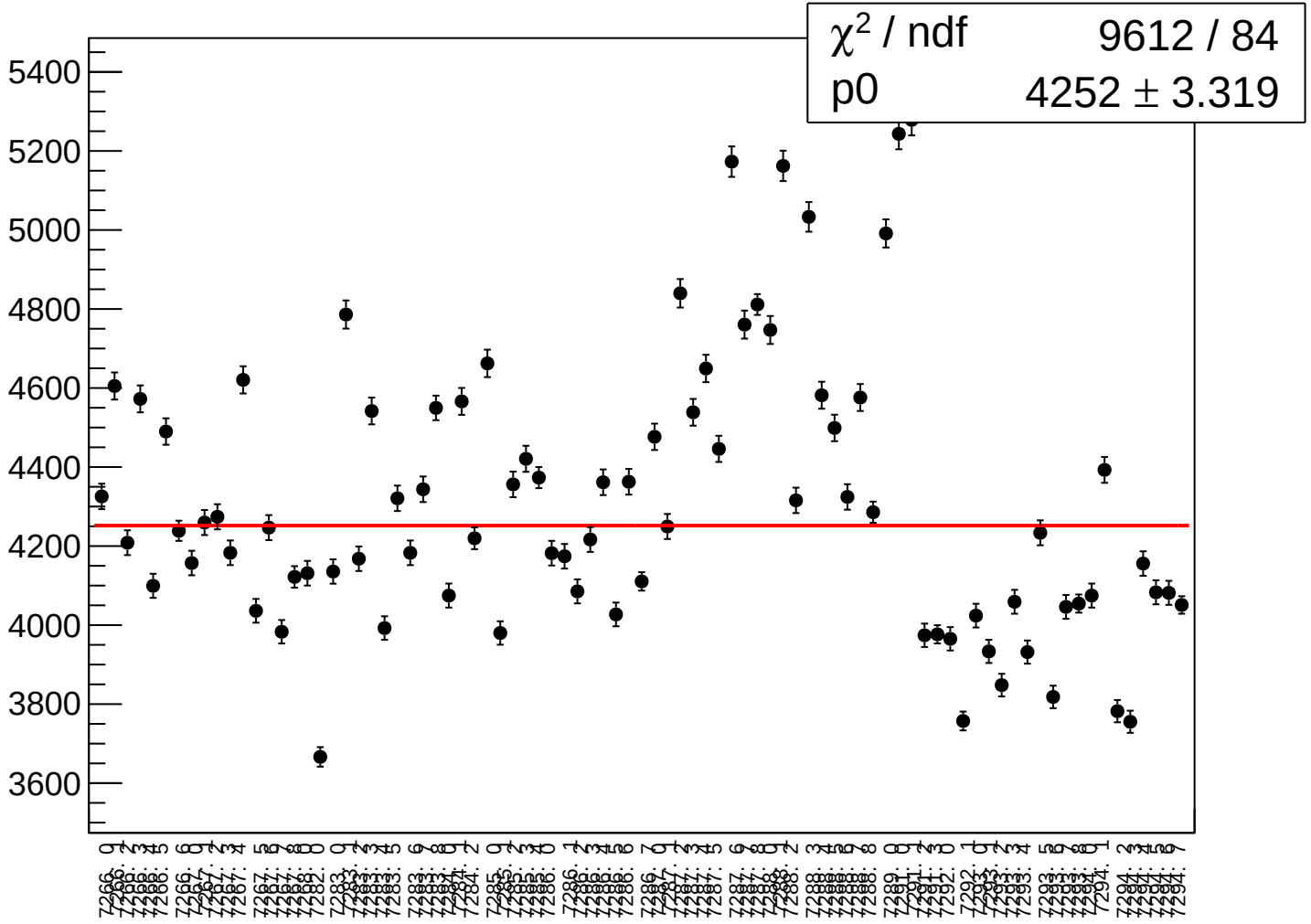

asym_atl_avg_rms vs run
χ² / ndf 8053 / 84
p0 4909 ± 3.83
6500
6000
5500
5000
4500

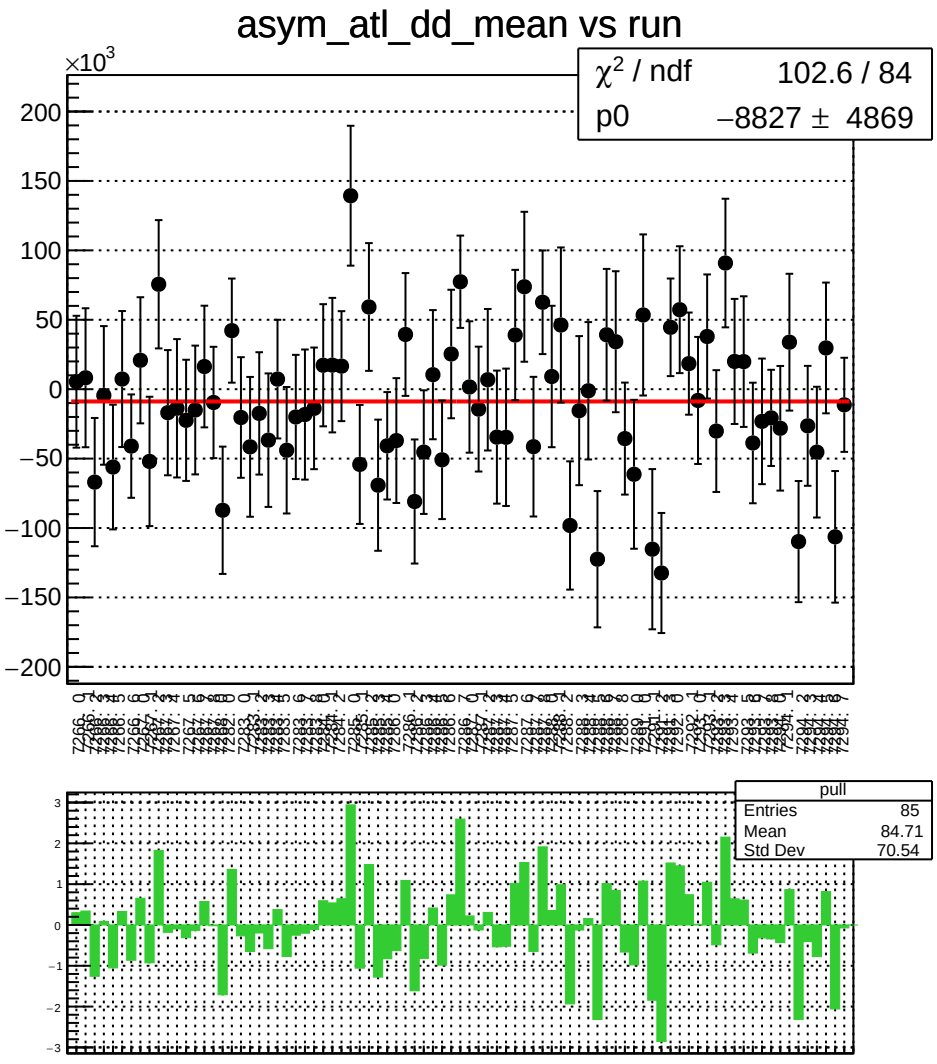

dit_asym_atl_dd_mean vs run
χ² / ndf 71.13 / 84
p0 −2952 ± 2013
pull
Entries 85
Mean 210.2
Std Dev 209.2
pull1D
Entries 85
Mean 0.00331
Std Dev 0.9148

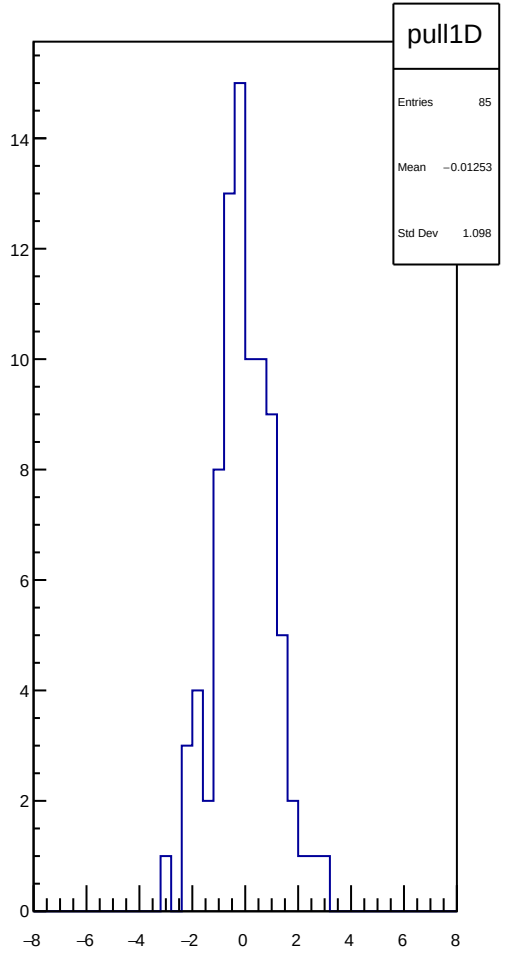

dit_asym_atl_dd_rms vs run
χ² / ndf 8957 / 84
p0 1823 ± 1.423
2300
2200
2100
2000
1900
1800
1700
1600

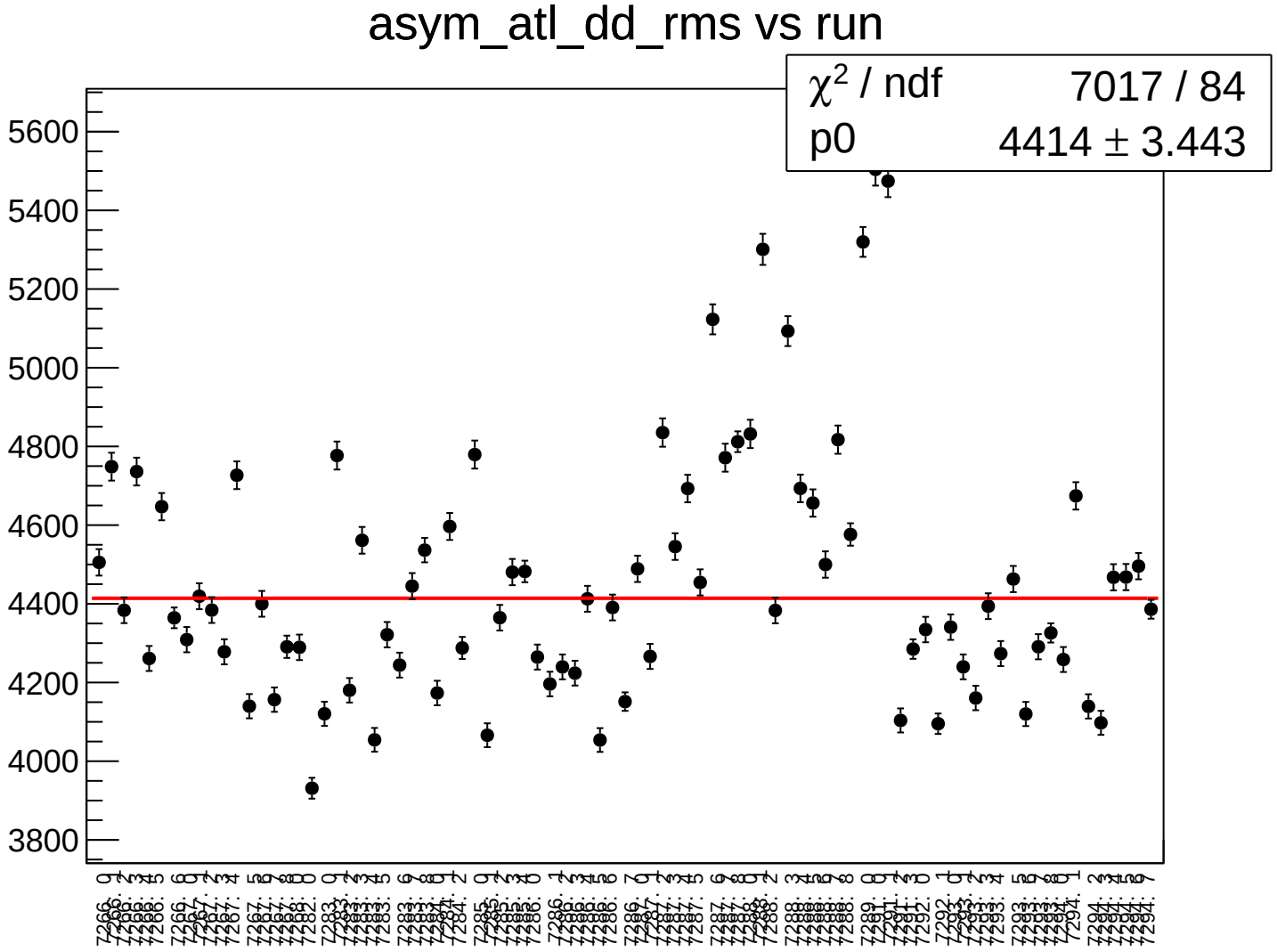

asym_atl_dd_correction_mean vs run
×10^3
χ^2 / ndf 109.7 / 84
p0 5807 ± 4694
pull
Entries 85
Mean 98.06
Std Dev 38.65
pull1D
Entries 85
Mean 0.01445
Std Dev 1.136

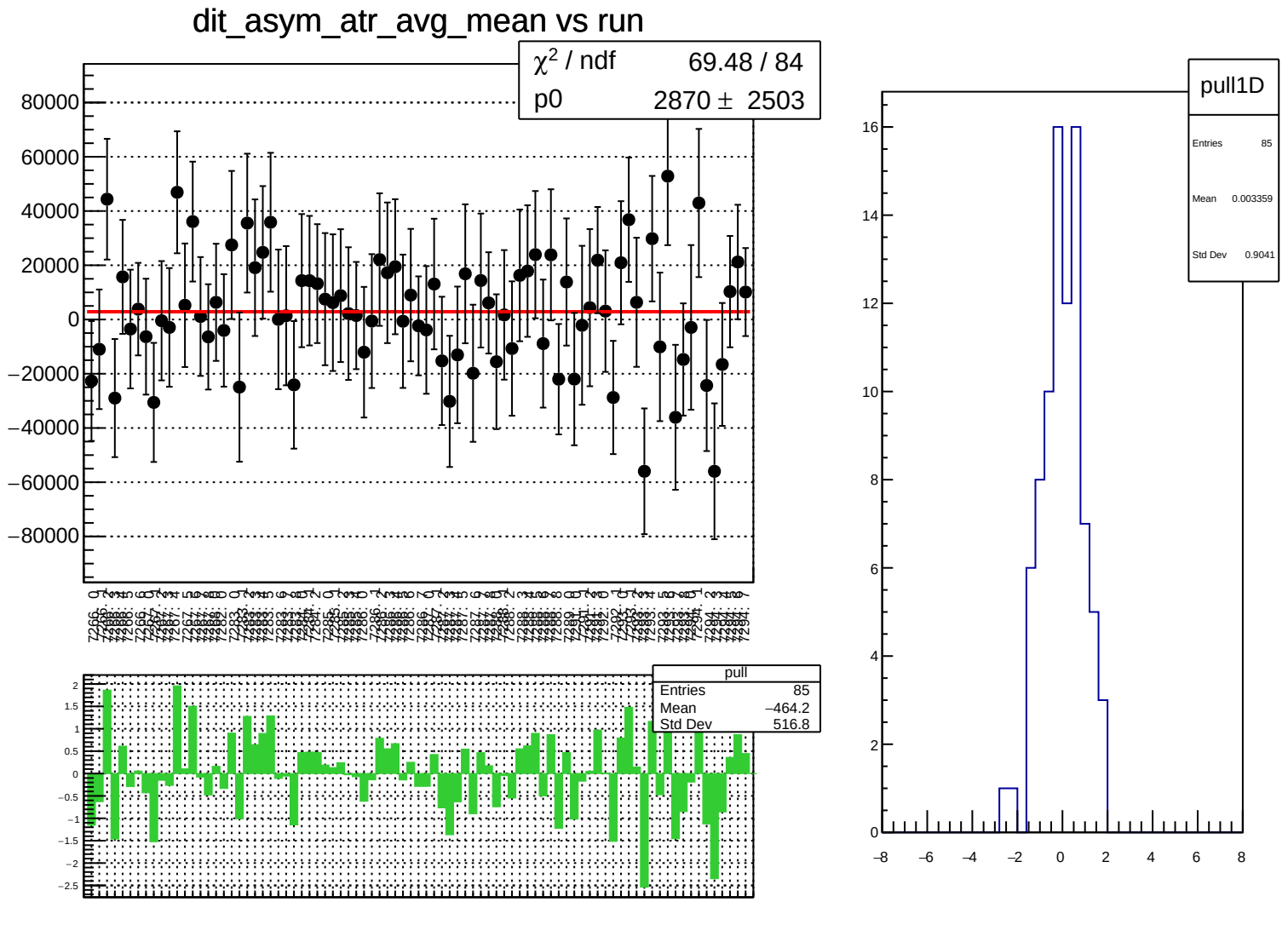
asym_atl_dd_correction_rms vs run

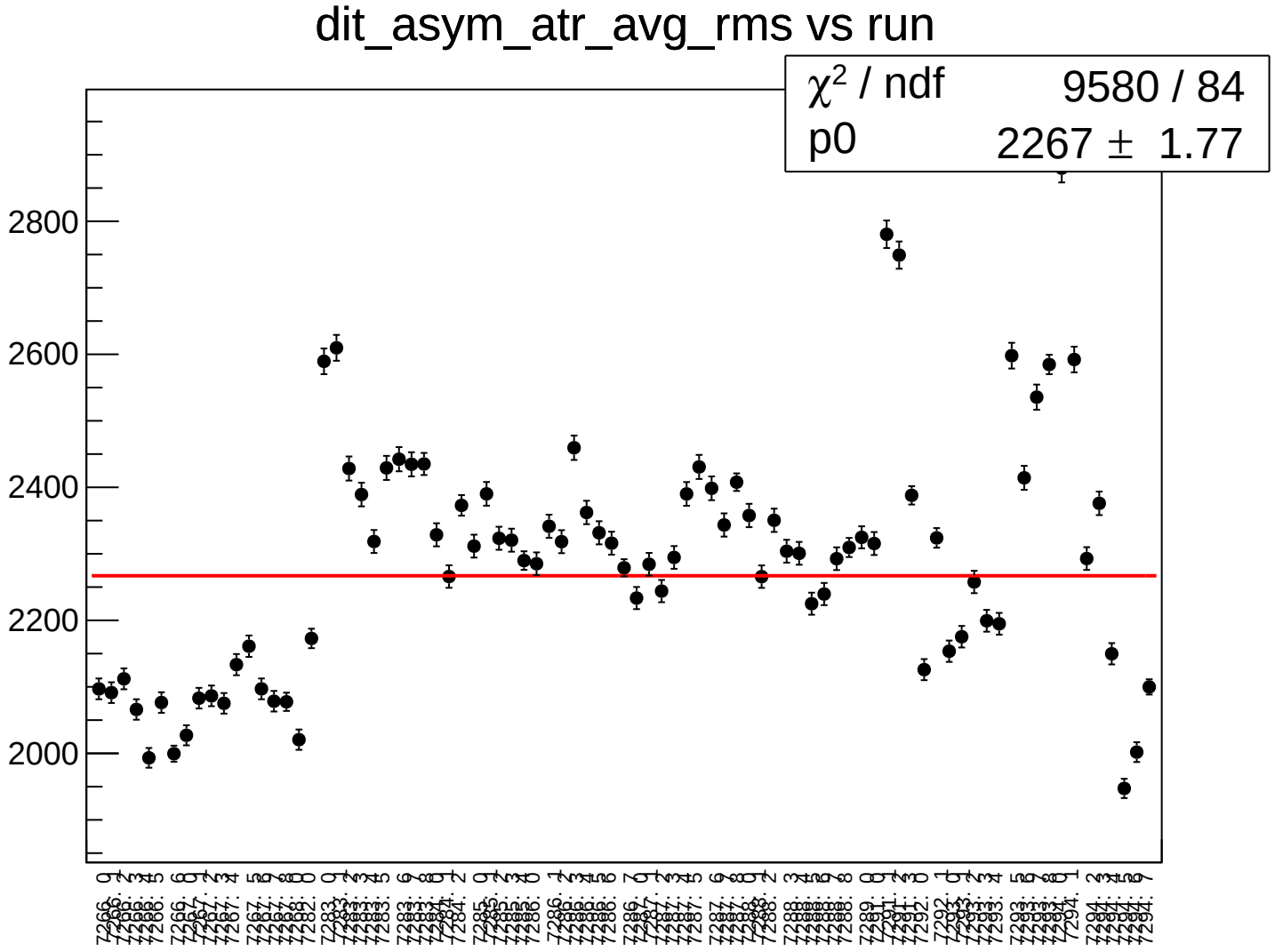


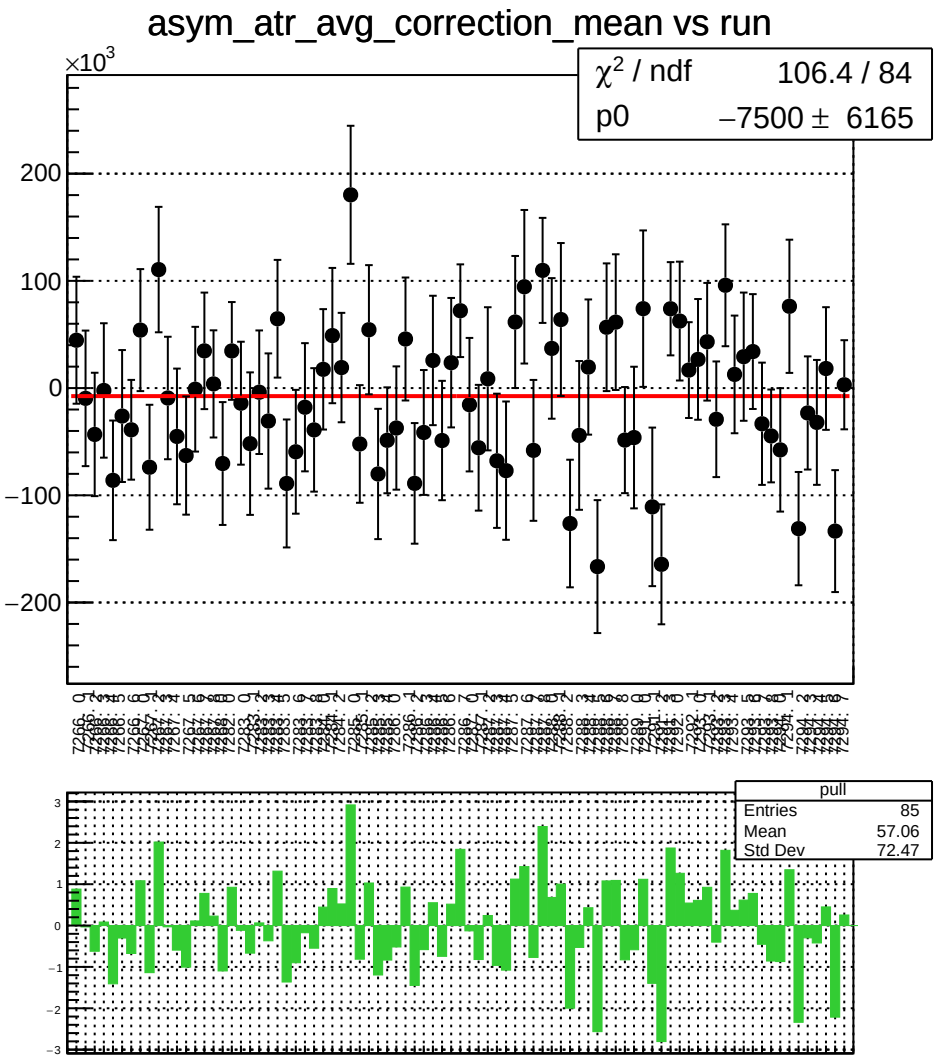

asym_atl_dd_mean vs run
×10^3
χ² / ndf 102.6 / 84
p0 −8827 ± 4869
pull
Entries 85
Mean 84.71
Std Dev 70.54

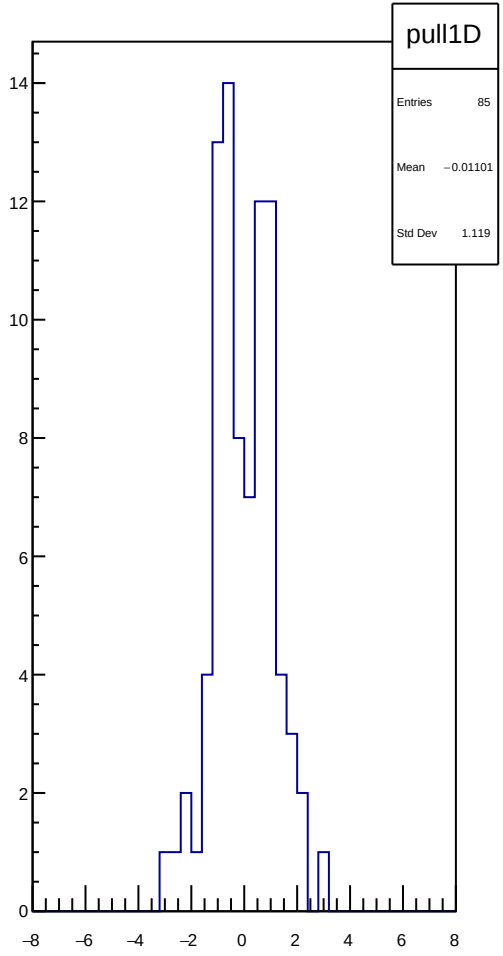

pull1D
Entries 85
Mean −0.01253
Std Dev 1.098


asym_atl_dd_rms vs run
χ² / ndf 7017 / 84
p0 4414 ± 3.443
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

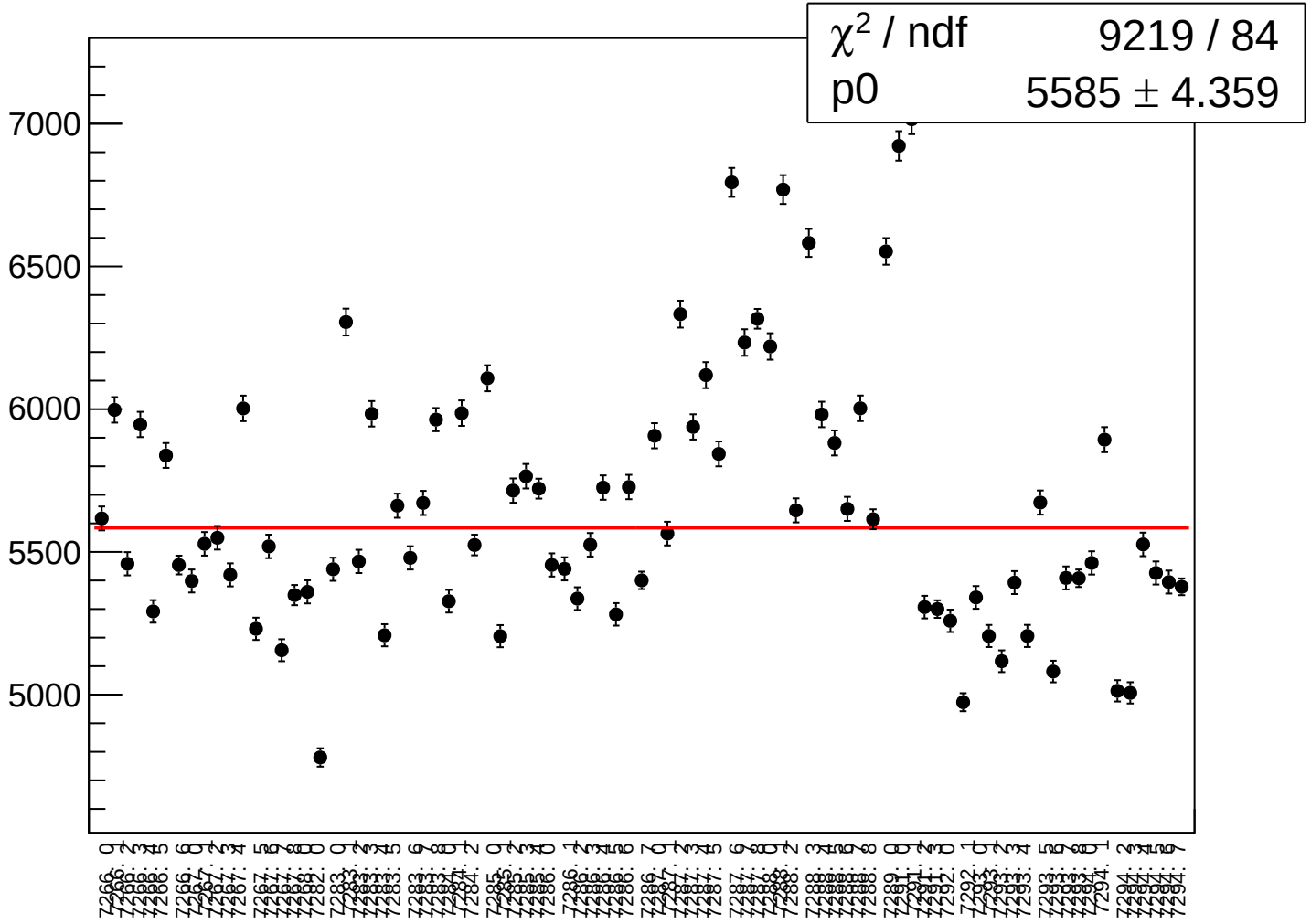

dit_asym_atr_avg_mean vs run
χ² / ndf 69.48 / 84
p0 2870 ± 2503
pull
Entries 85
Mean −464.2
Std Dev 516.8
pull1D
Entries 85
Mean 0.003359
Std Dev 0.9041

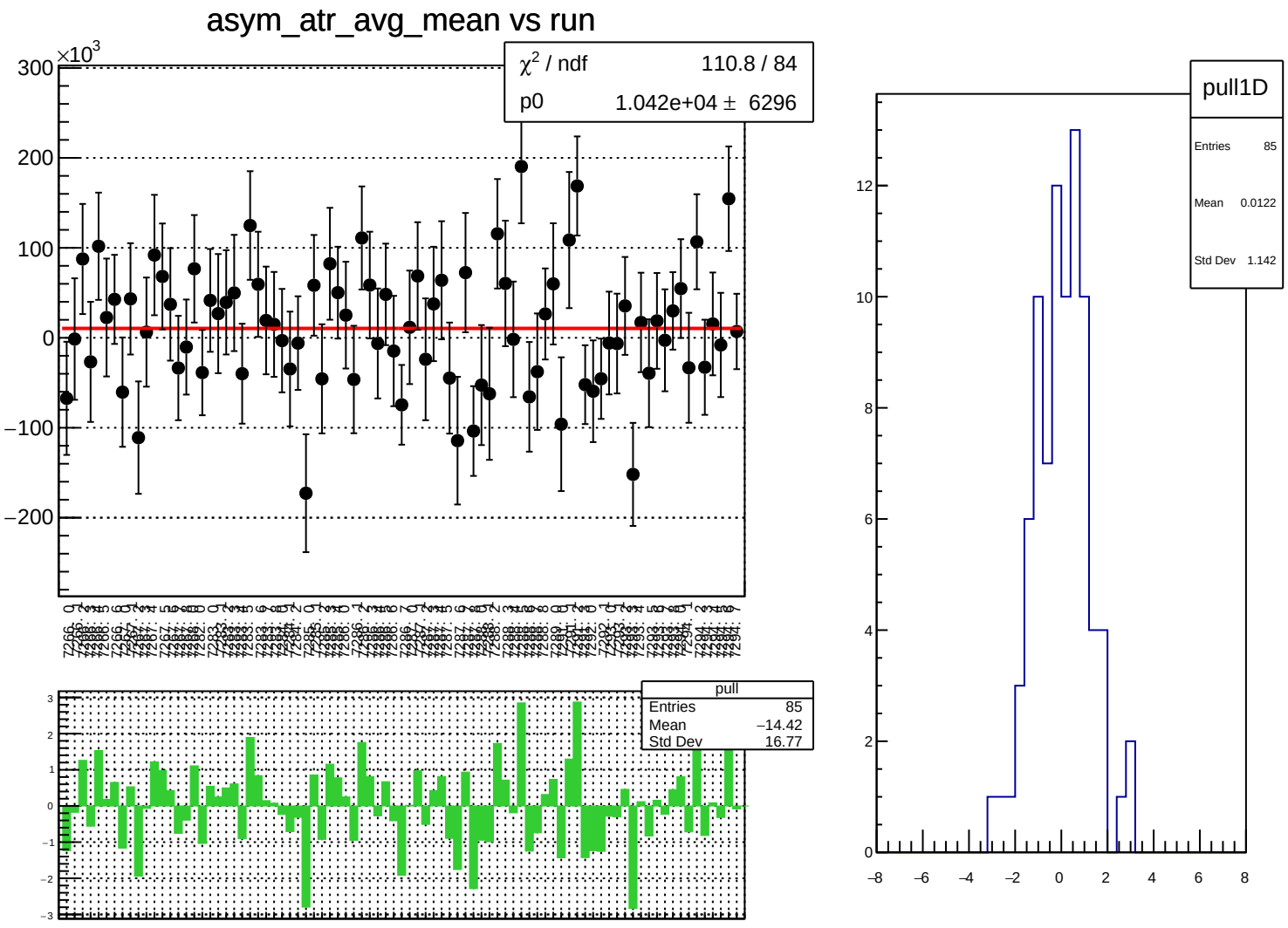

dit_asym_atr_avg_rms vs run
χ² / ndf 9580 / 84
p0 2267 ± 1.77
2800
2600
2400
2200
2000

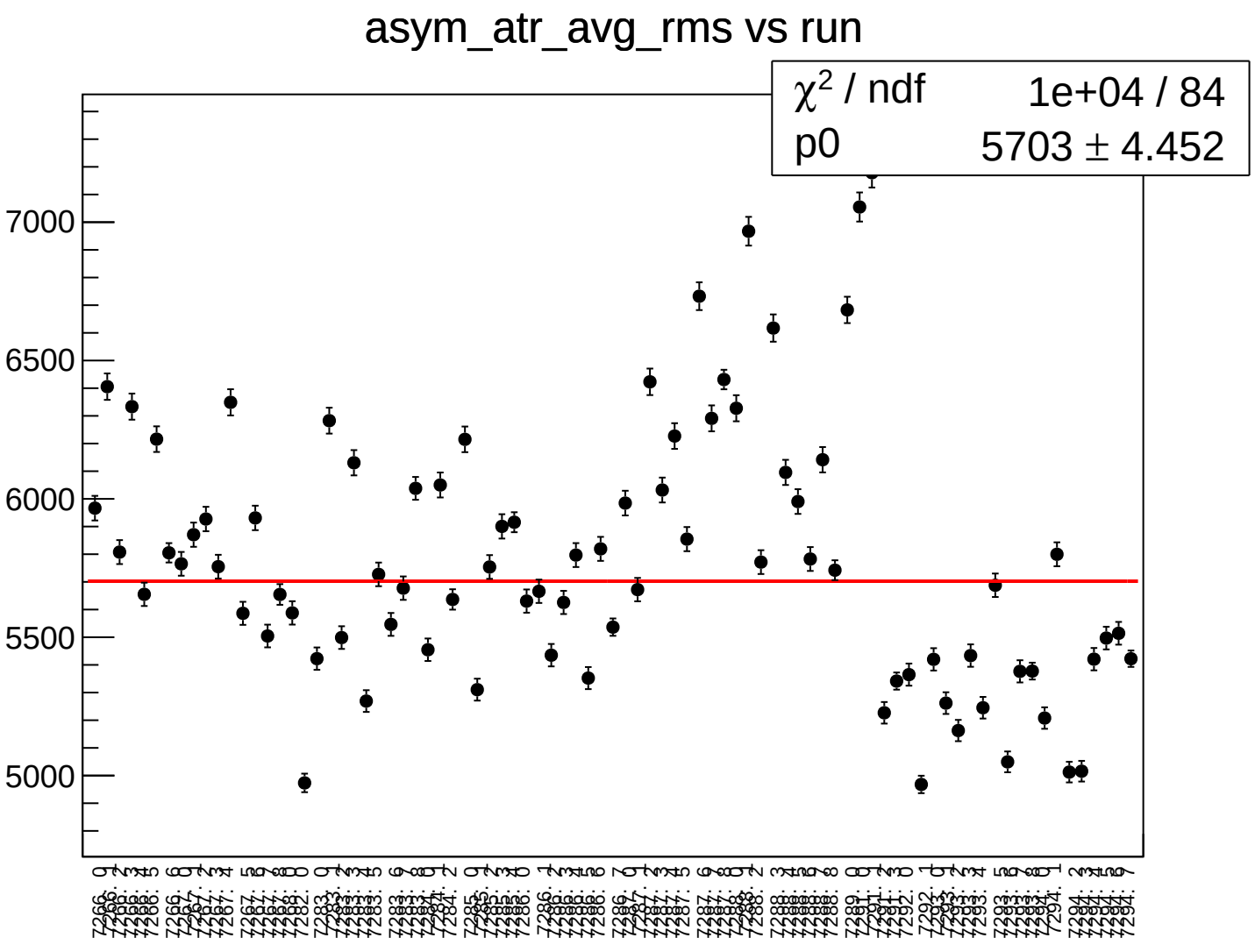

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 106.4 / 84
p0 −7500 ± 6165
200
100
0
−100
−200
pull
Entries 85
Mean 57.06
Std Dev 72.47
3
2
1
0
−1
−2
−3

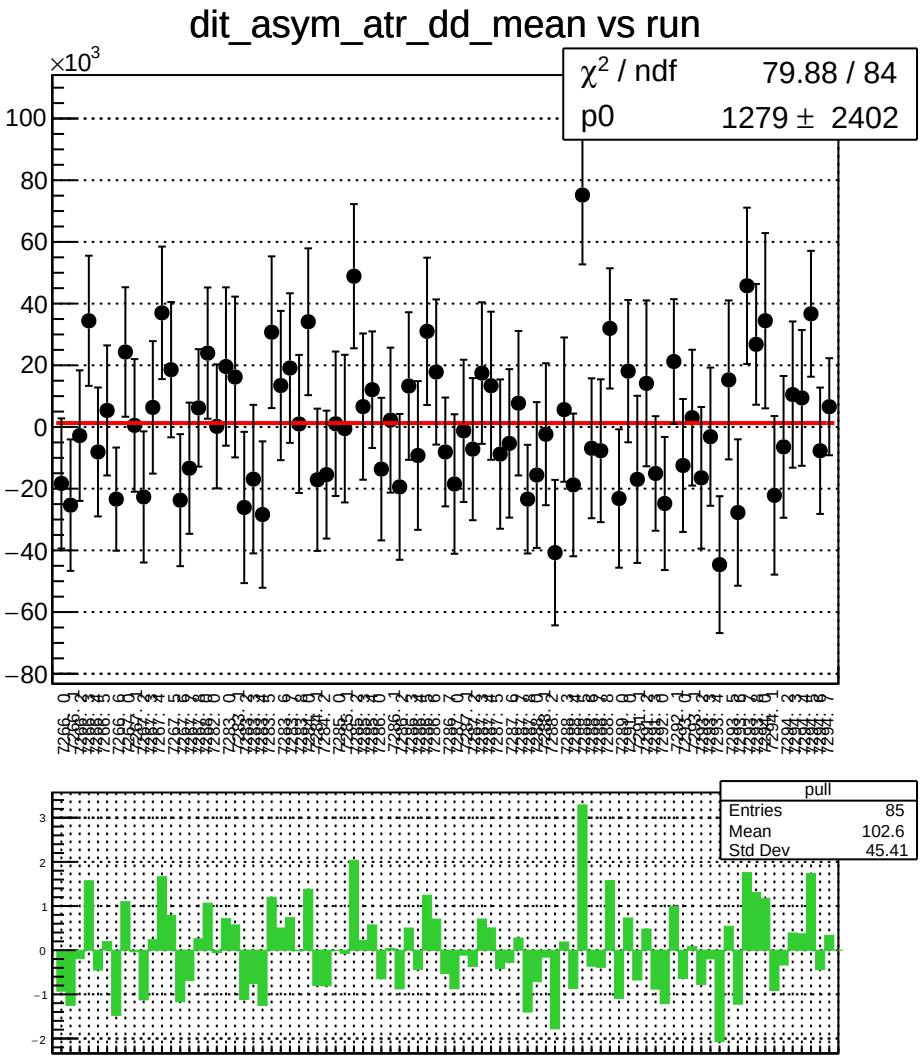

pull1D
Entries 85
Mean −0.01101
Std Dev 1.119
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

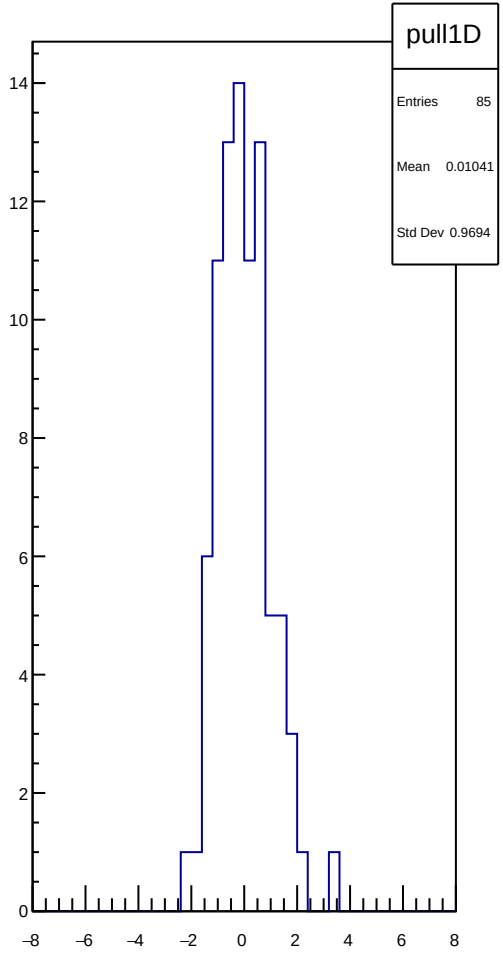
asym_atr_avg_correction_rms vs run

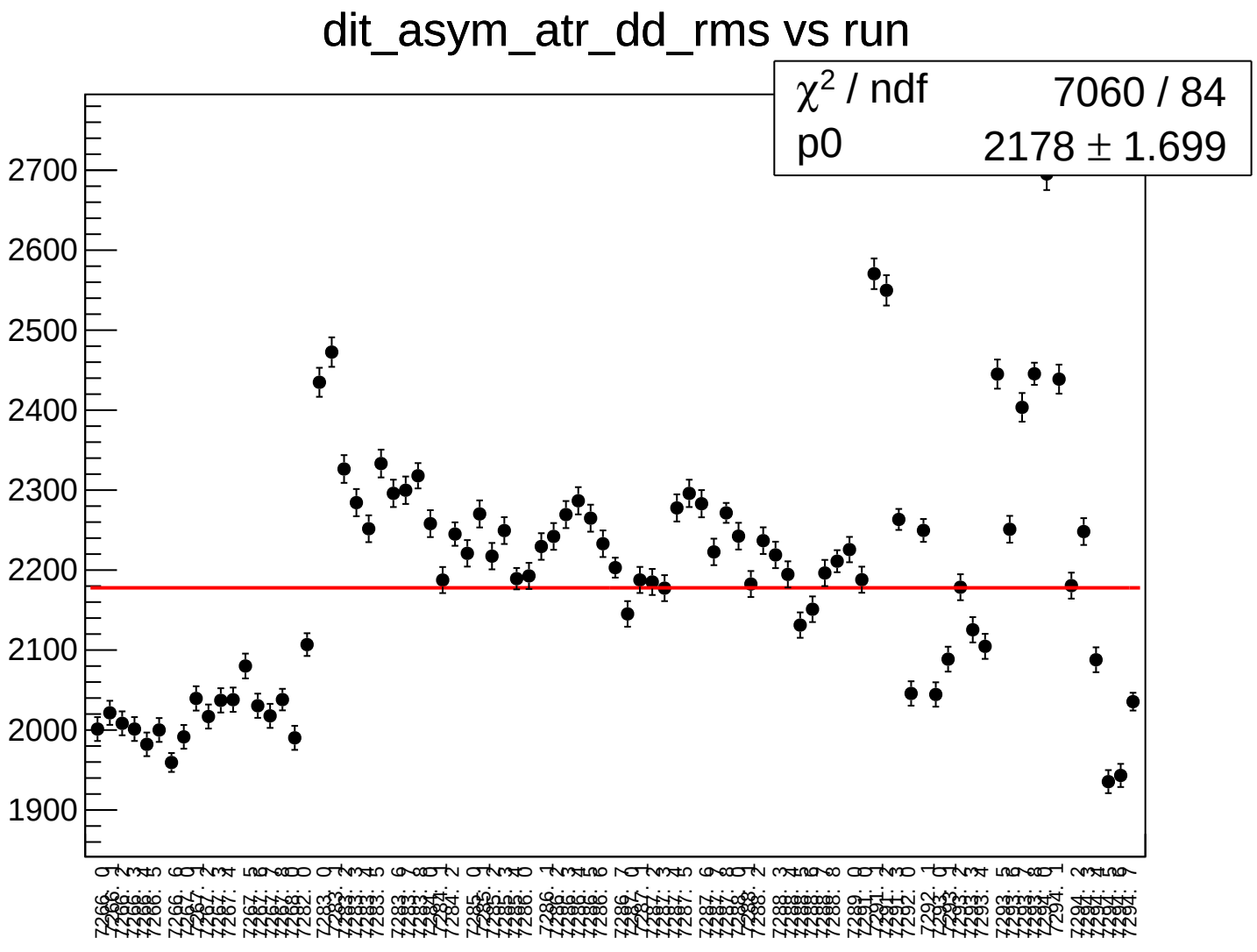


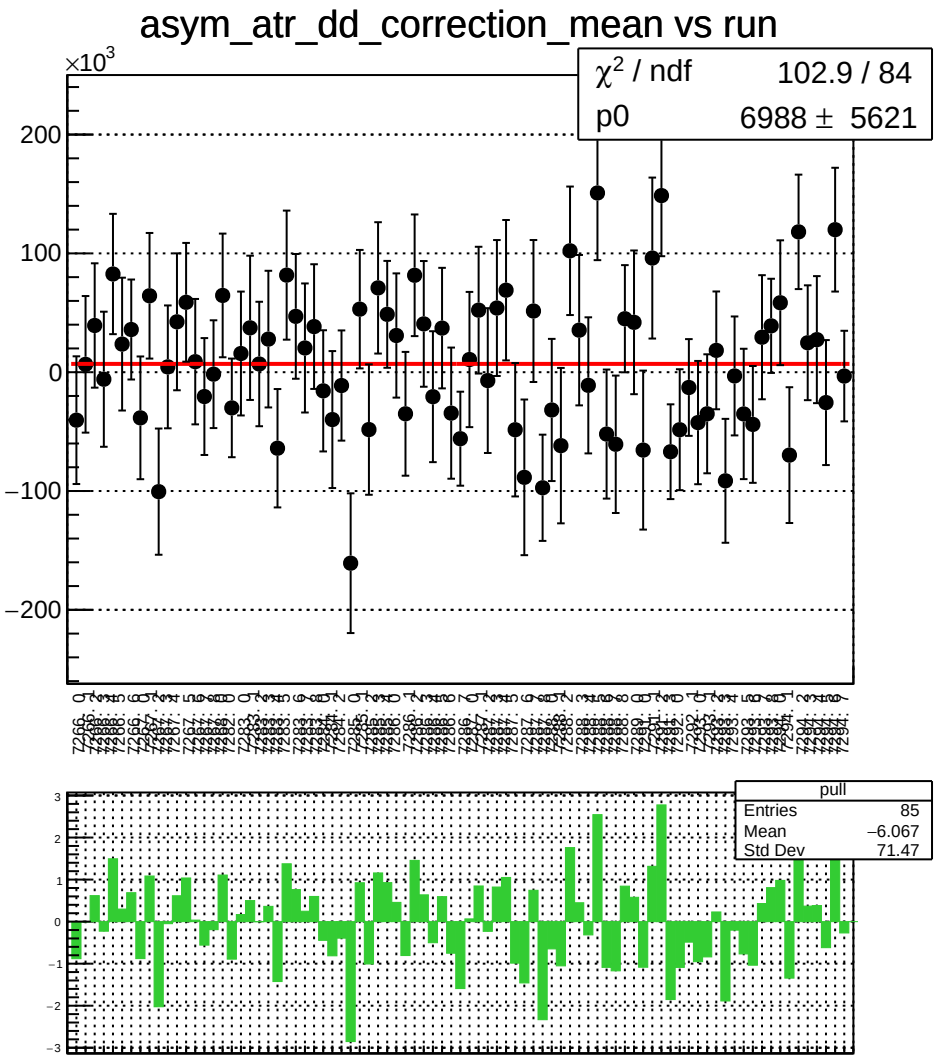

asym_atr_avg_mean vs run
×10^3
χ² / ndf 110.8 / 84
p0 1.042e+04 ± 6296
pull
Entries 85
Mean −14.42
Std Dev 16.77
pull1D
Entries 85
Mean 0.0122
Std Dev 1.142

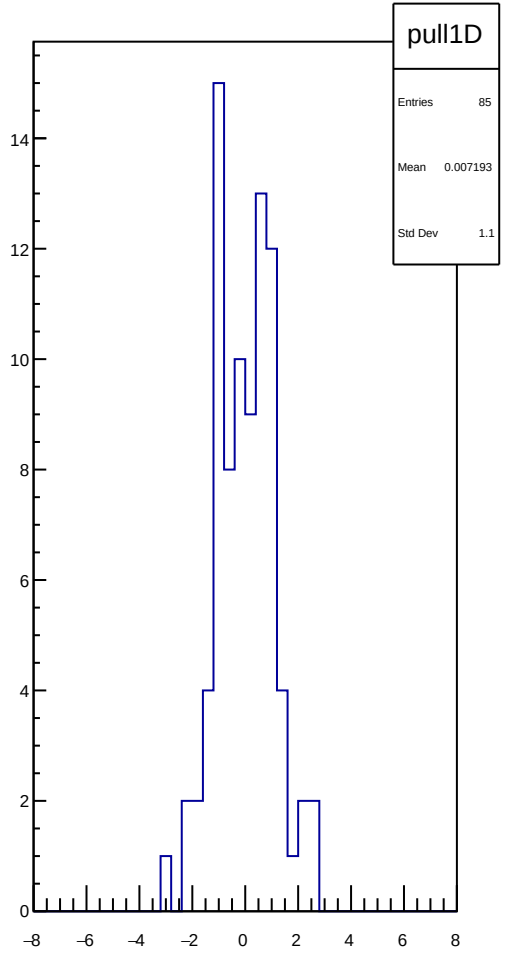

asym_atr_avg_rms vs run
χ² / ndf 1e+04 / 84
p0 5703 ± 4.452
7000
6500
6000
5500
5000

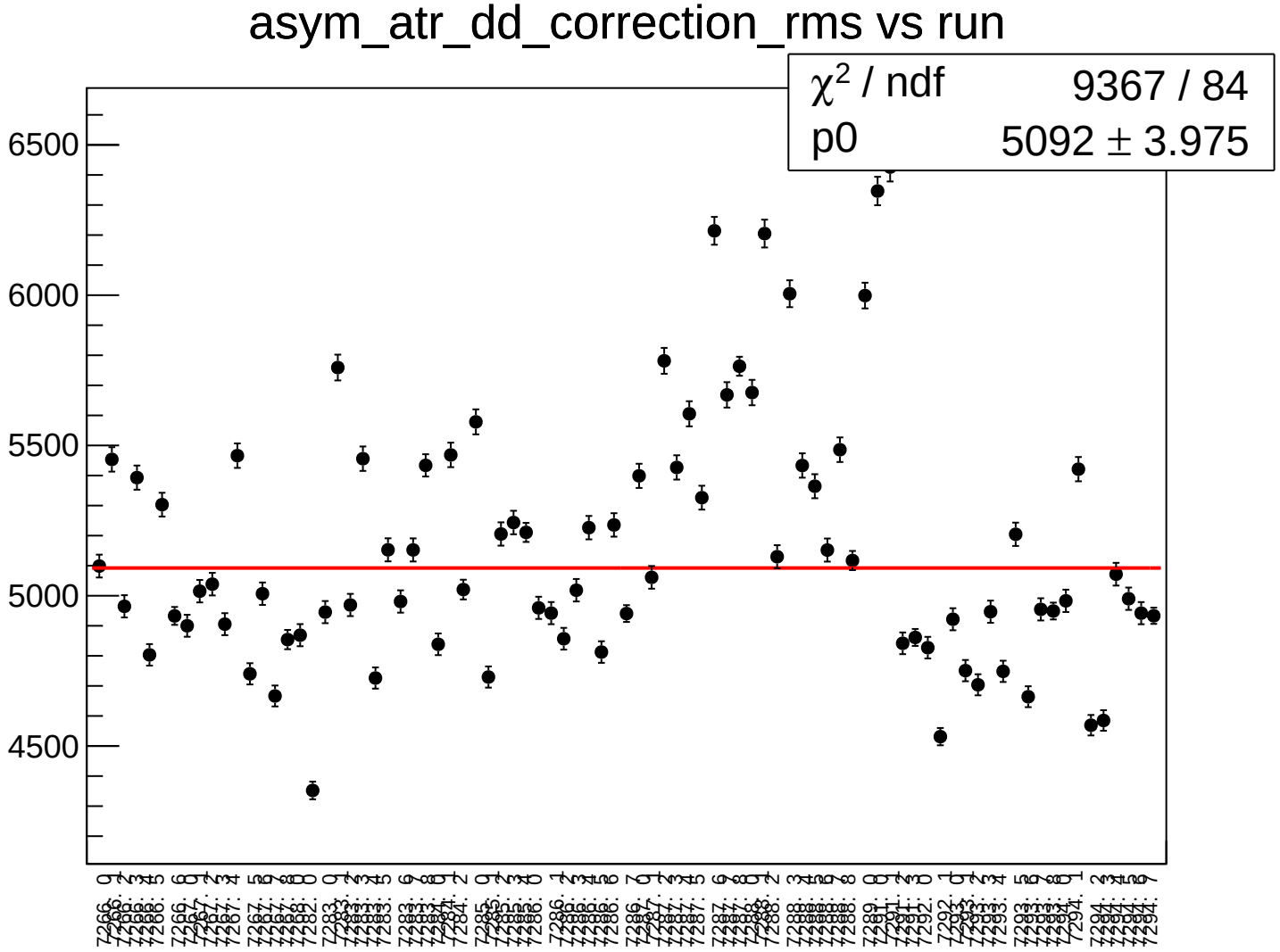

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 79.88 / 84
p0 1279 ± 2402
pull
Entries 85
Mean 102.6
Std Dev 45.41

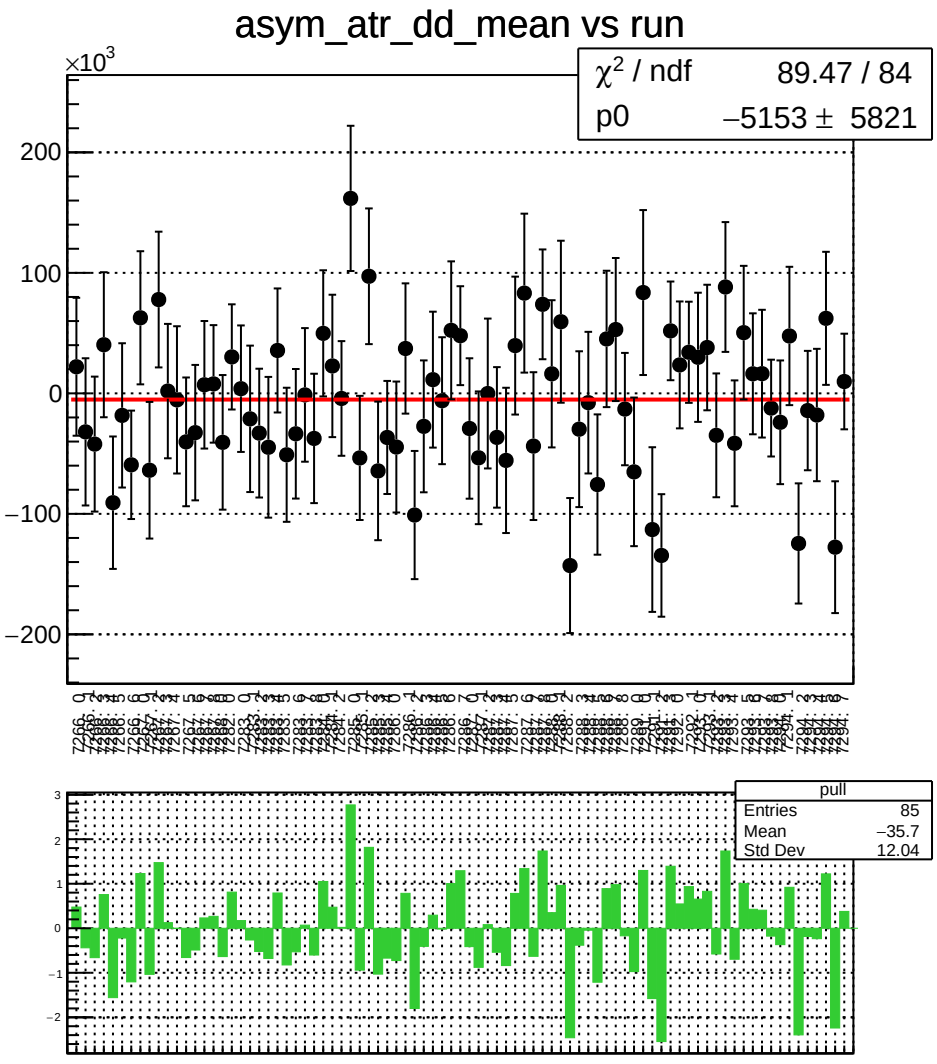

pull1D
Entries 85
Mean 0.01041
Std Dev 0.9694

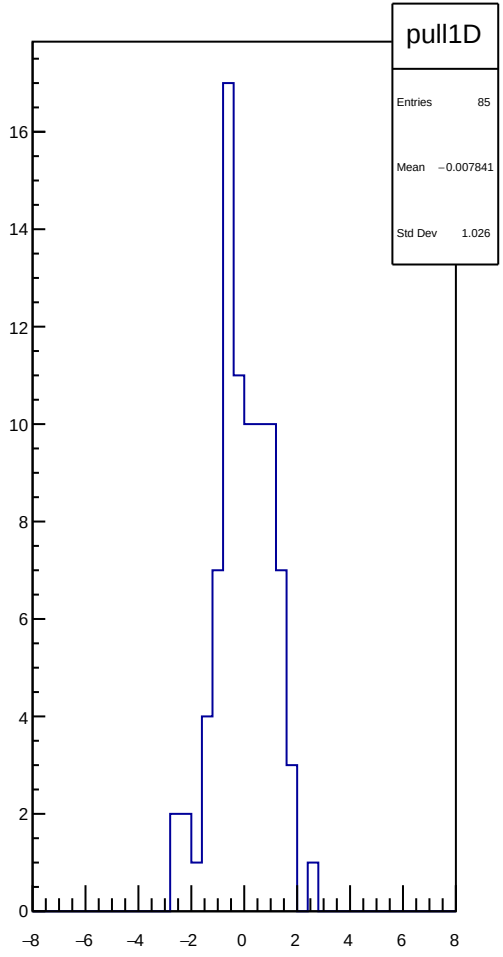

dit_asym_atr_dd_rms vs run
χ2 / ndf 7060 / 84
p0 2178 ± 1.699
2700
2600
2500
2400
2300
2200
2100
2000
1900


asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 102.9 / 84
p0 6988 ± 5621
200
100
0
−100
−200
pull
Entries 85
Mean −6.067
Std Dev 71.47
3
2
1
0
−1
−2
−3

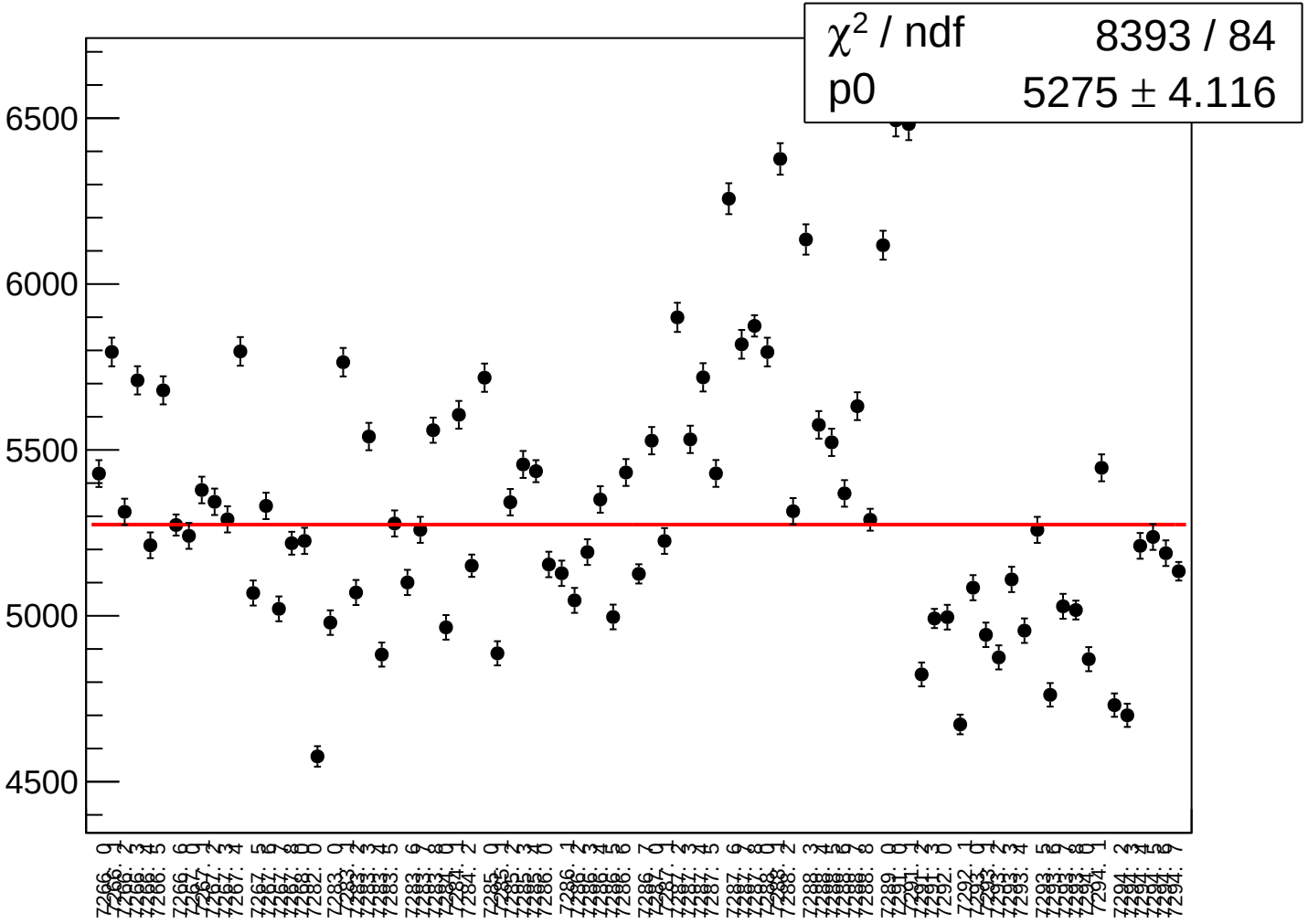

pull1D
Entries 85
Mean 0.007193
Std Dev 1.1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

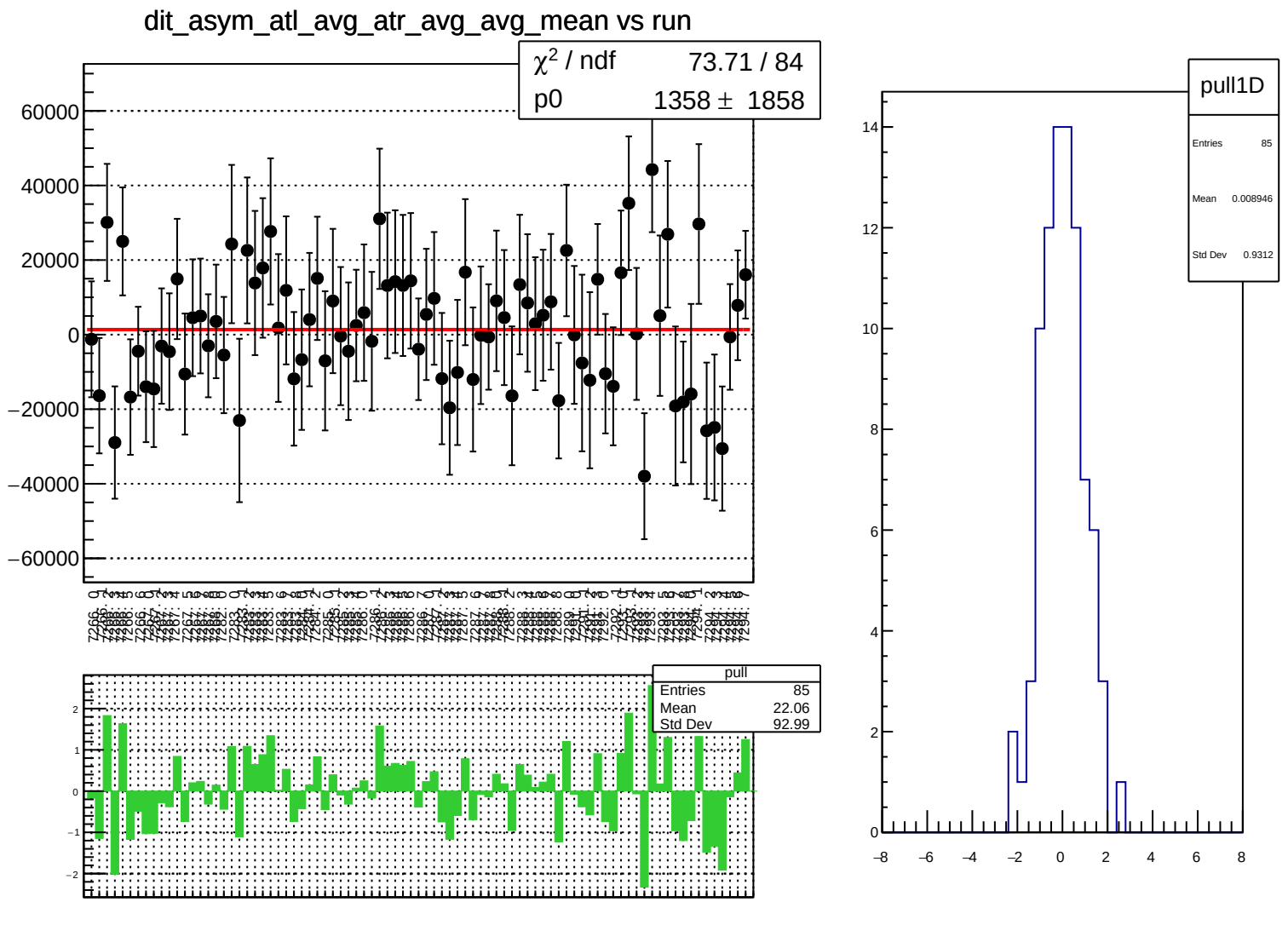

asym_atr_dd_correction_rms vs run
χ^2 / ndf 9367 / 84
p0 5092 ± 3.975
6500
6000
5500
5000
4500


asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 89.47 / 84
p0 −5153 ± 5821
200
100
0
−100
−200
pull
Entries 85
Mean −35.7
Std Dev 12.04
3
2
1
0
−1
−2

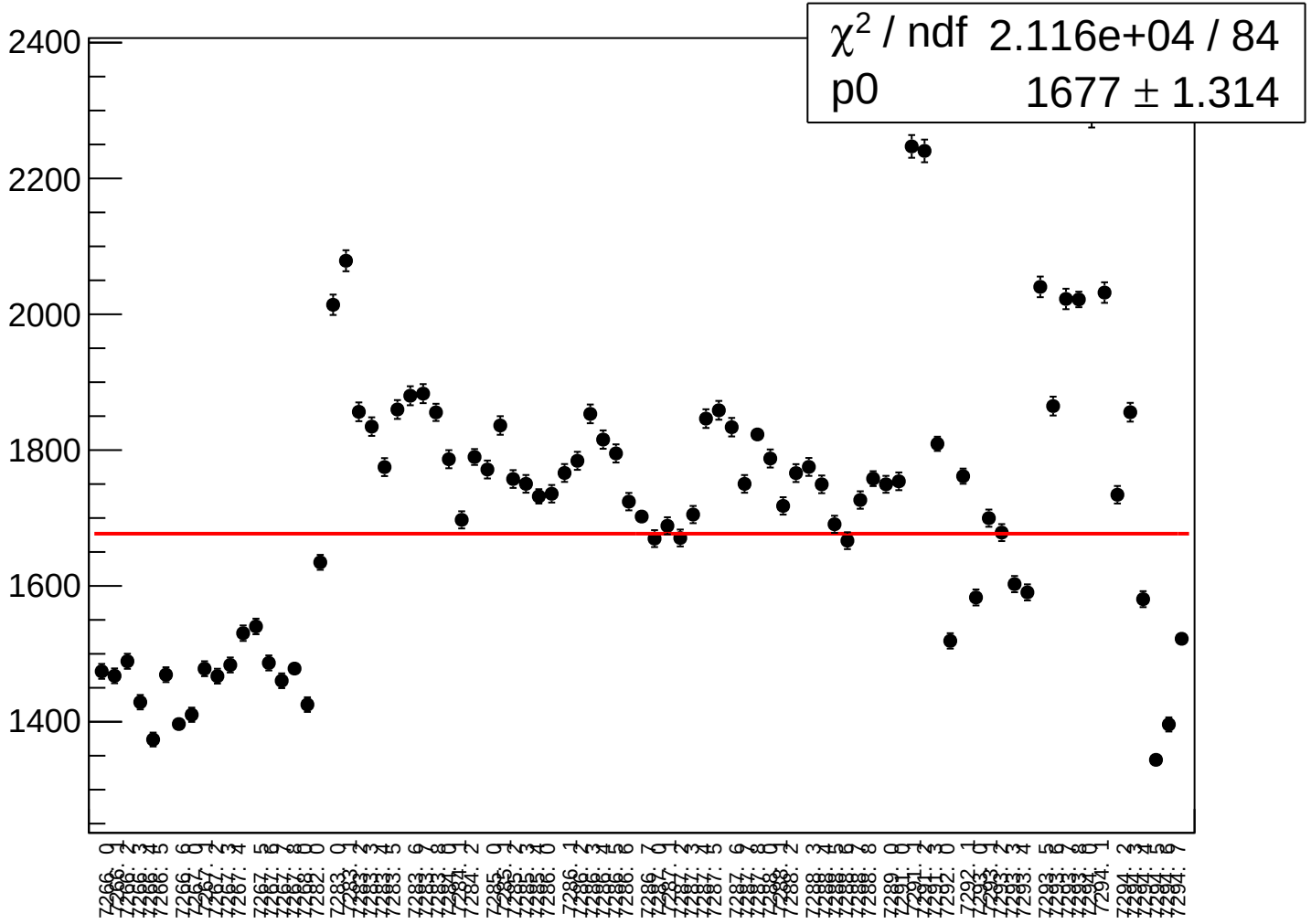

pull1D
Entries 85
Mean −0.007841
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

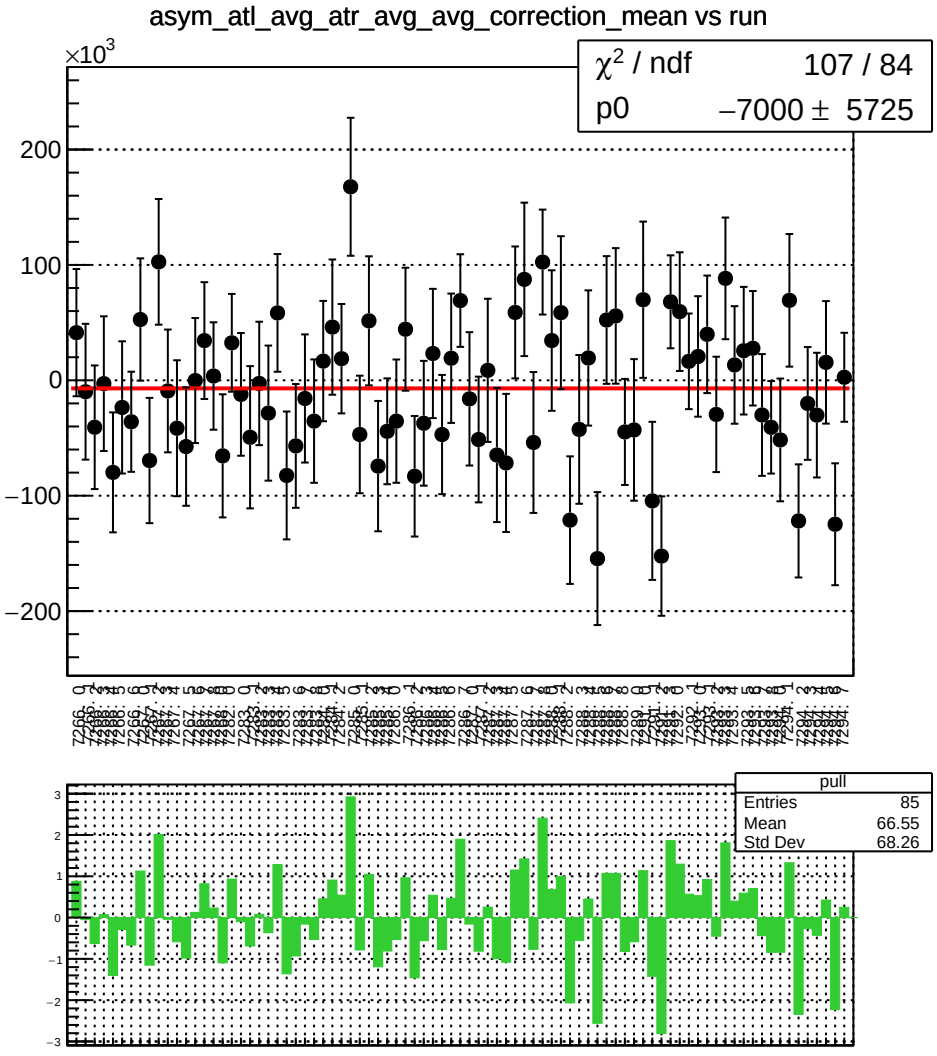
asym_atr_dd_rms vs run

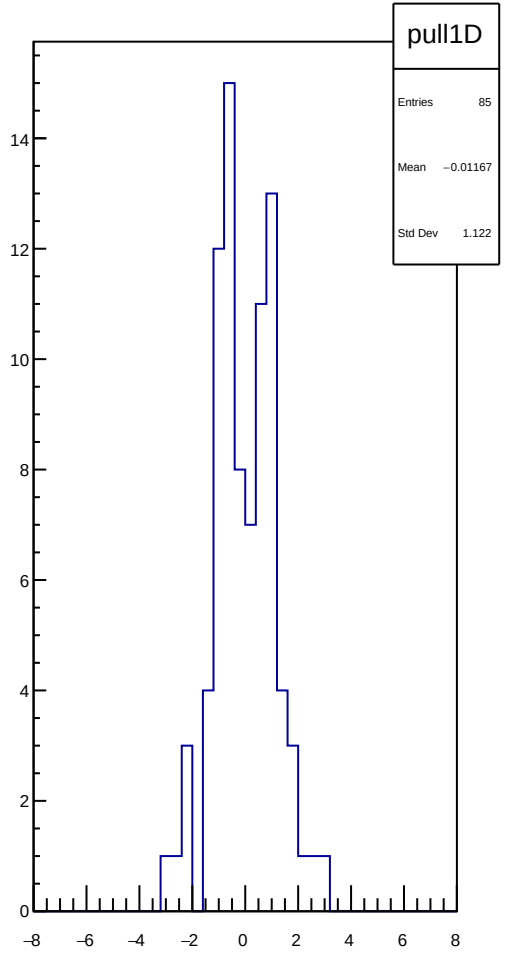


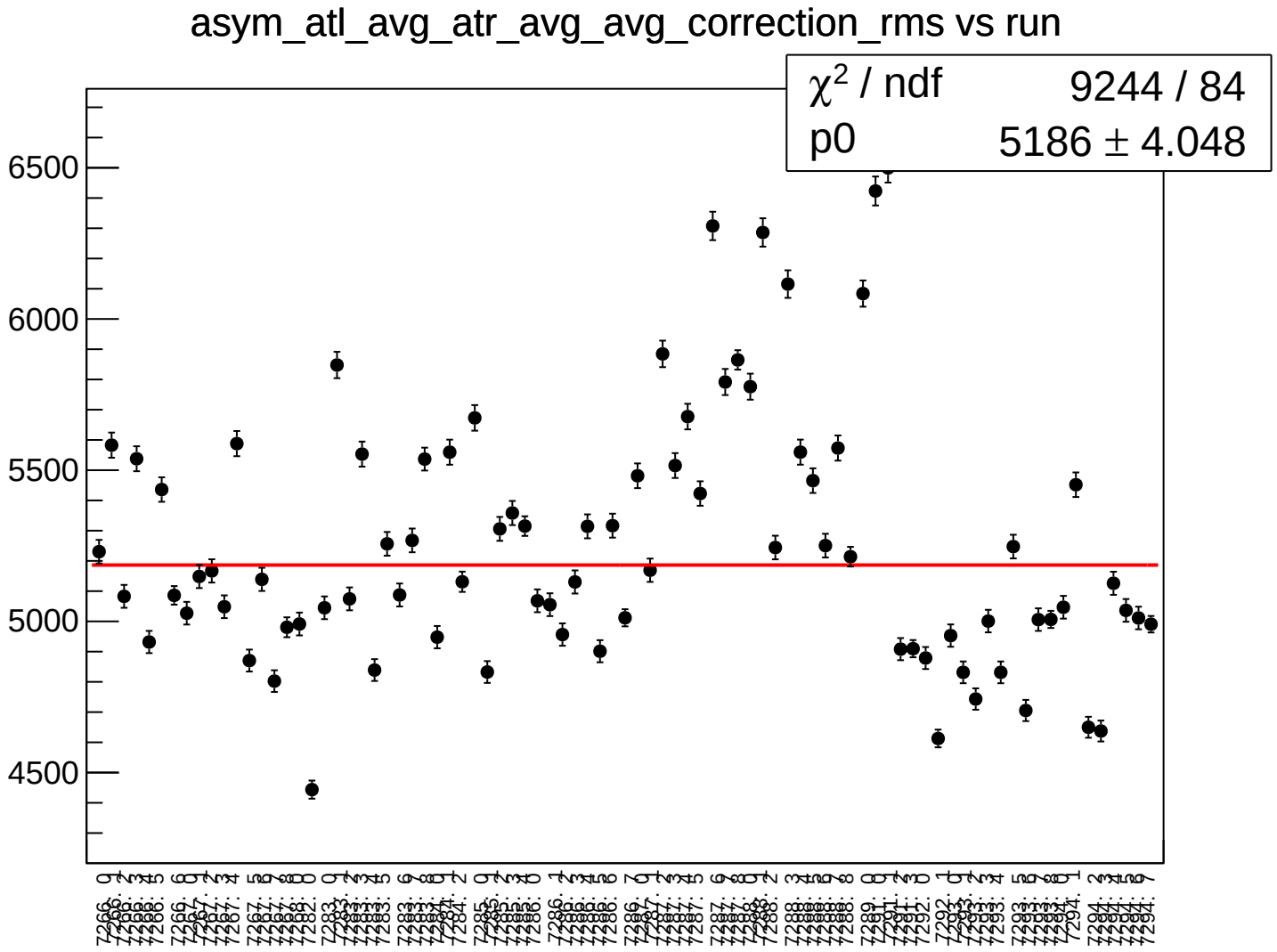

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 73.71 / 84
p0 1358 ± 1858
pull
Entries 85
Mean 22.06
Std Dev 92.99
pull1D
Entries 85
Mean 0.008946
Std Dev 0.9312

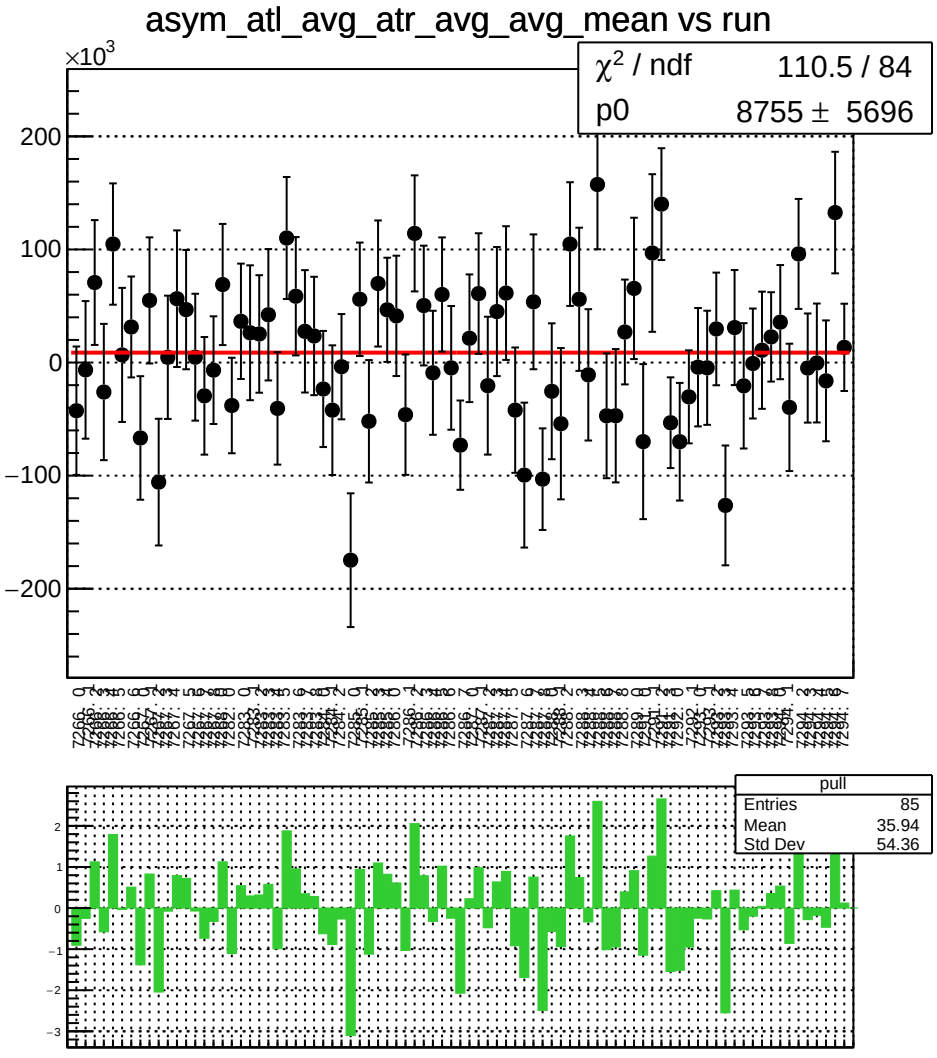
dit_asym_atl_avg_atr_avg_avg_rms vs run

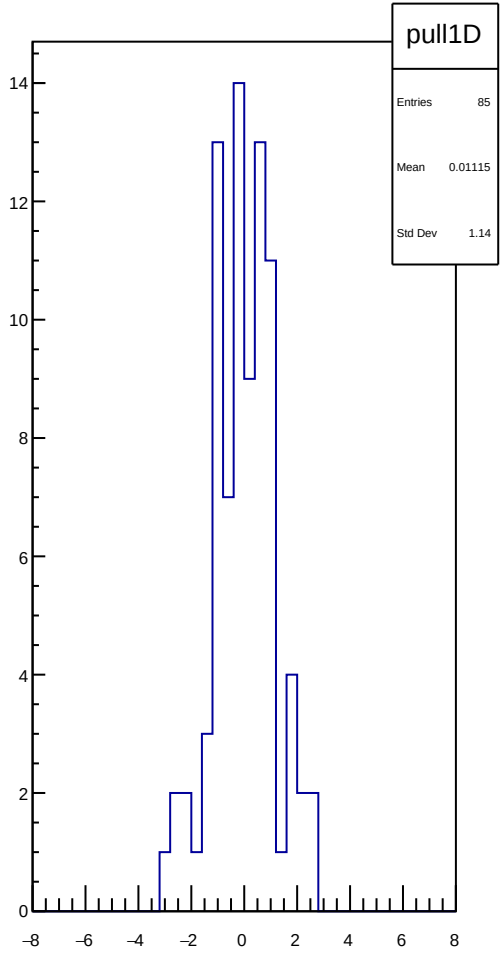



asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 107 / 84
p0 −7000 ± 5725
200
100
0
−100
−200
pull
Entries 85
Mean 66.55
Std Dev 68.26
3
2
1
0
−1
−2
−3

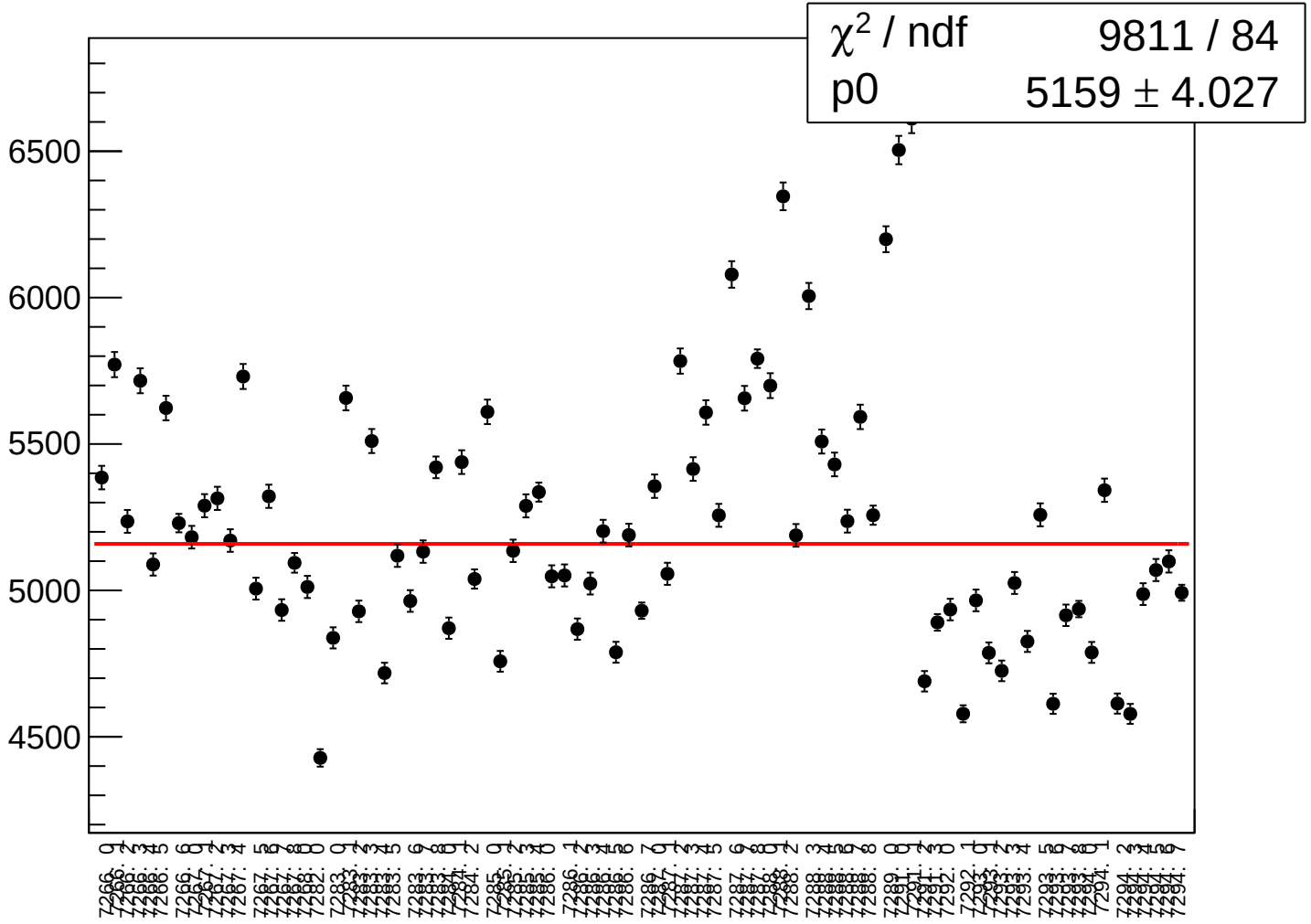

pull1D
Entries 85
Mean −0.01167
Std Dev 1.122
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

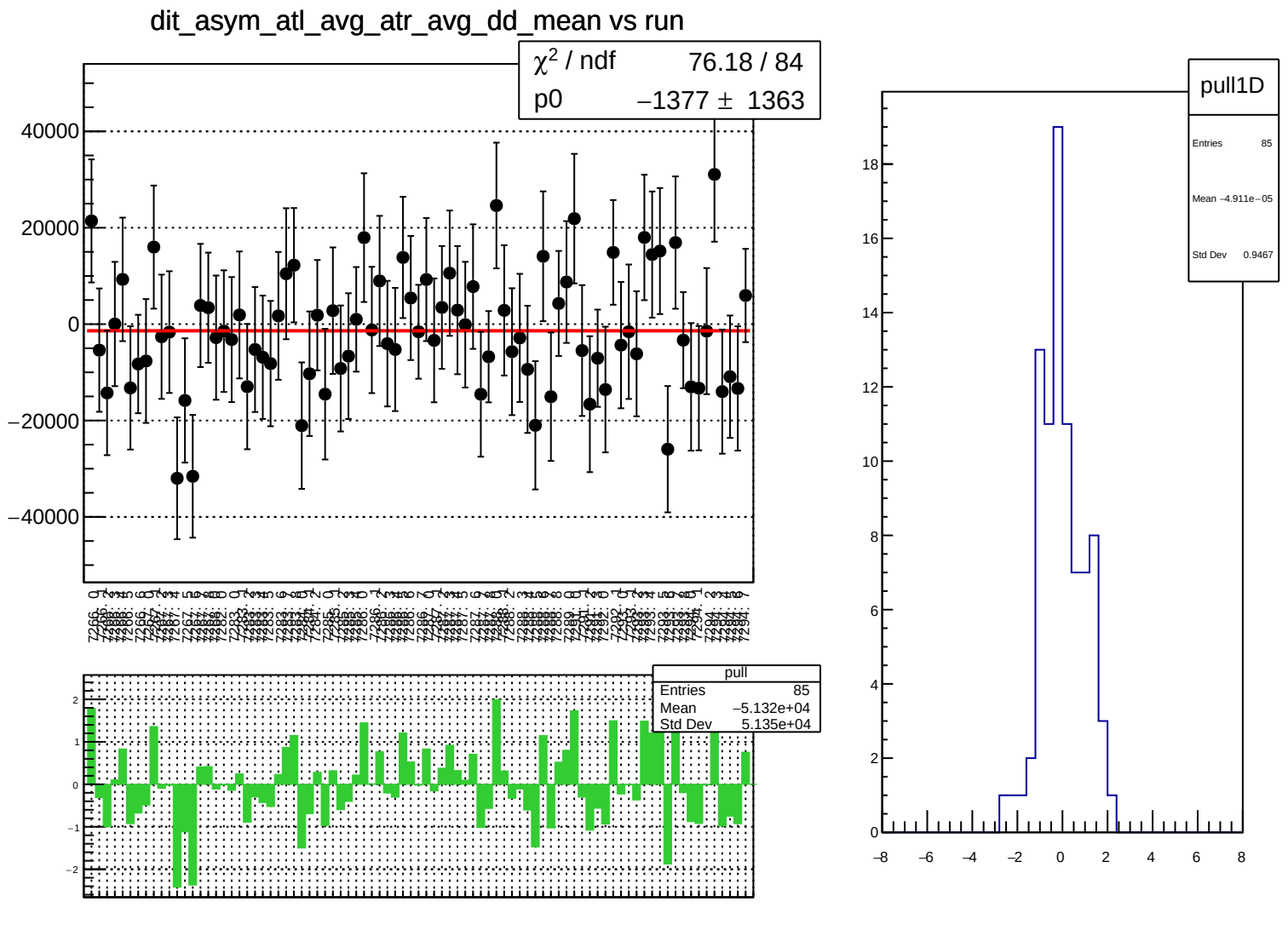

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ^2 / ndf 9244 / 84
p0 5186 ± 4.048
6500
6000
5500
5000
4500

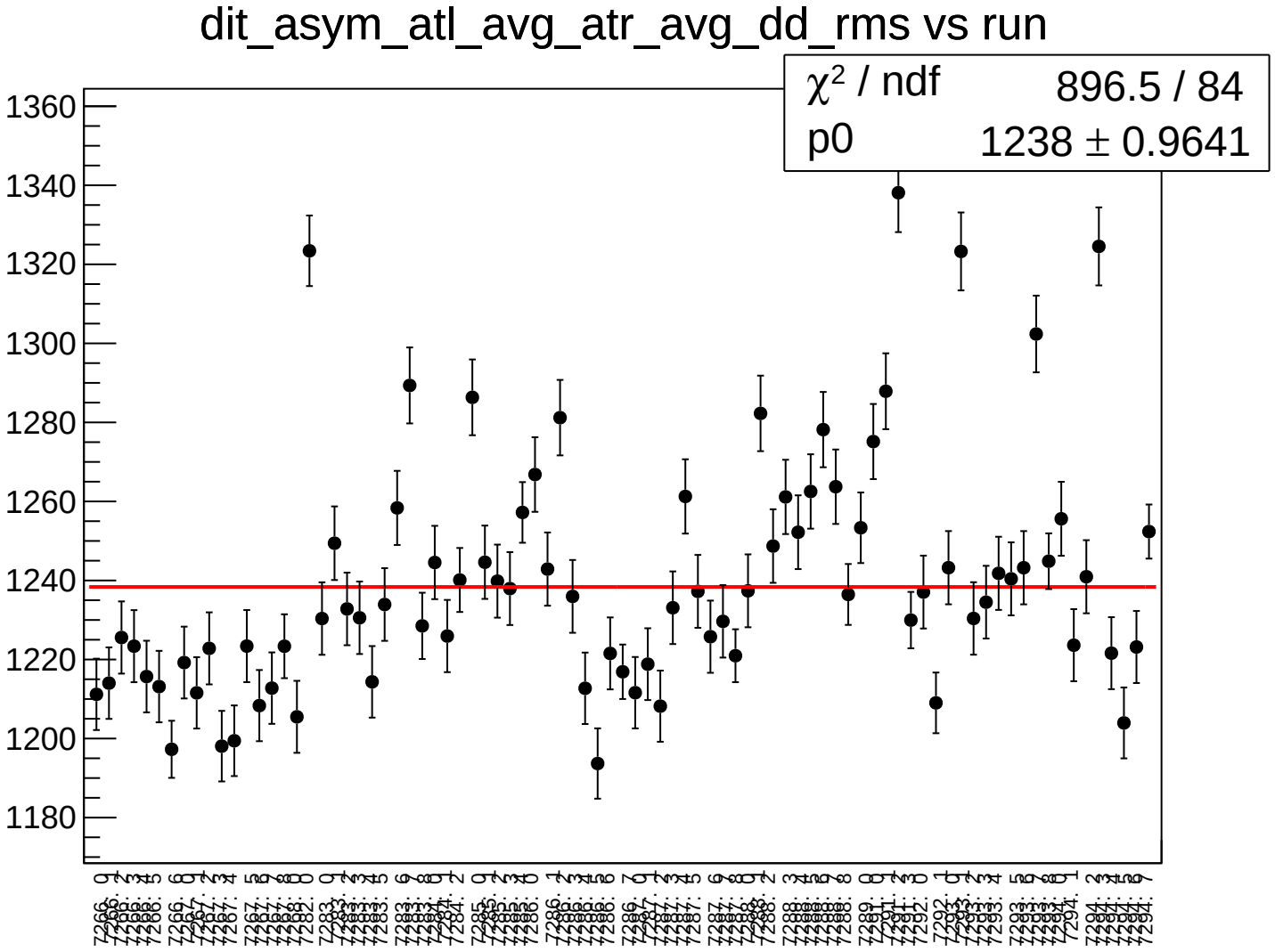

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 110.5 / 84
p0 8755 ± 5696
pull
Entries 85
Mean 35.94
Std Dev 54.36

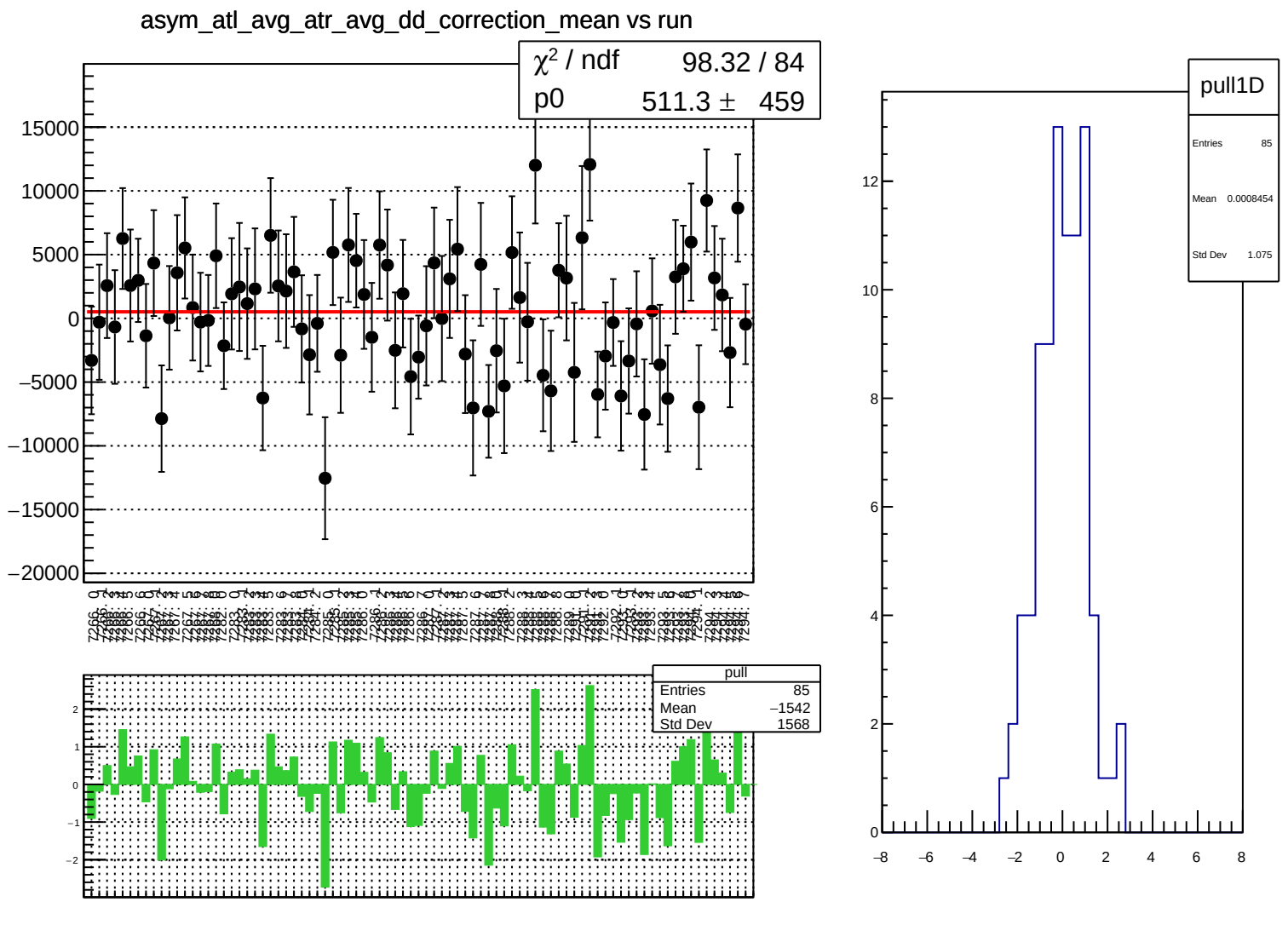

pull1D
Entries 85
Mean 0.01115
Std Dev 1.14

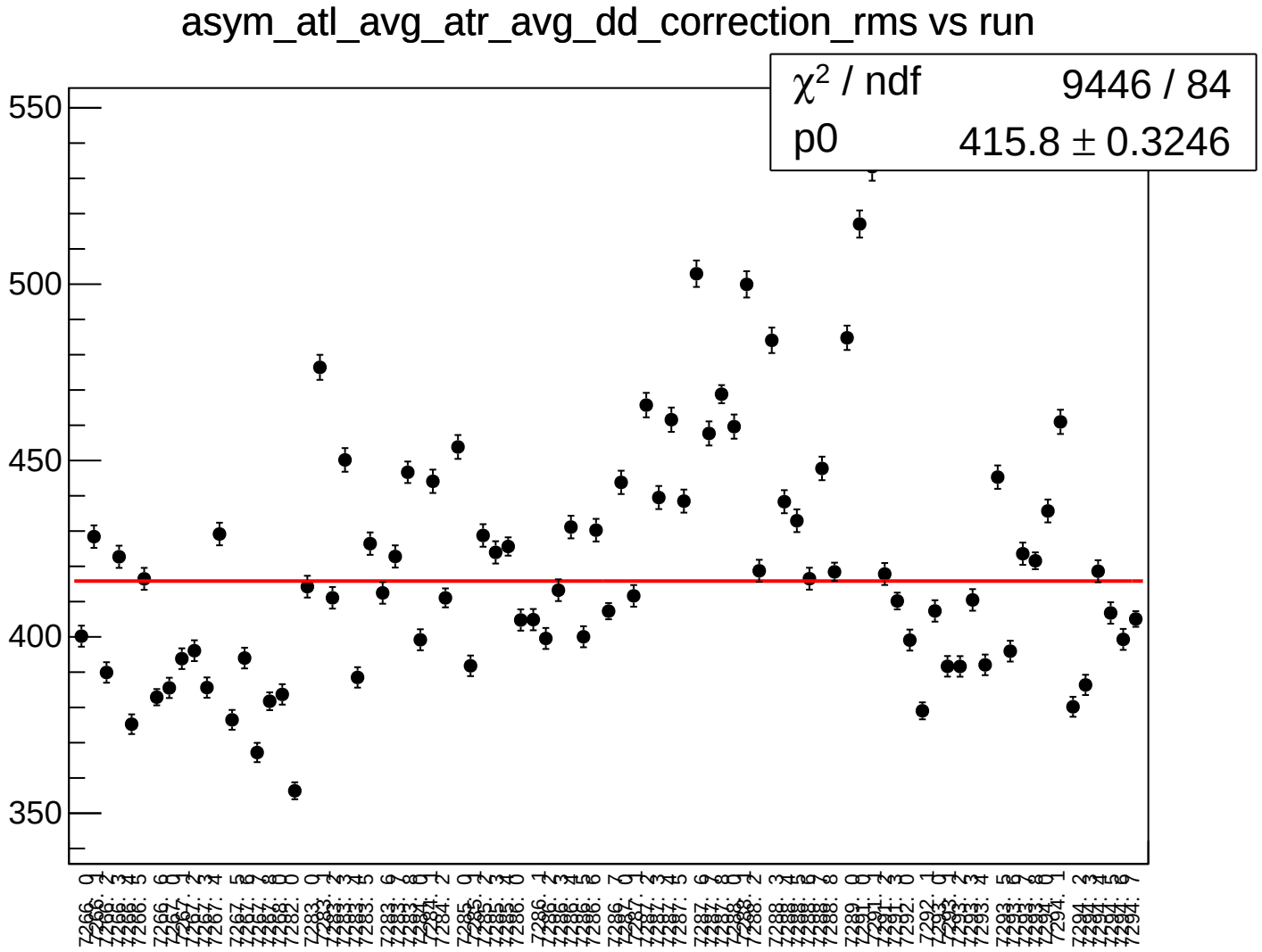
asym_atl_avg_atr_avg_avg_rms vs run

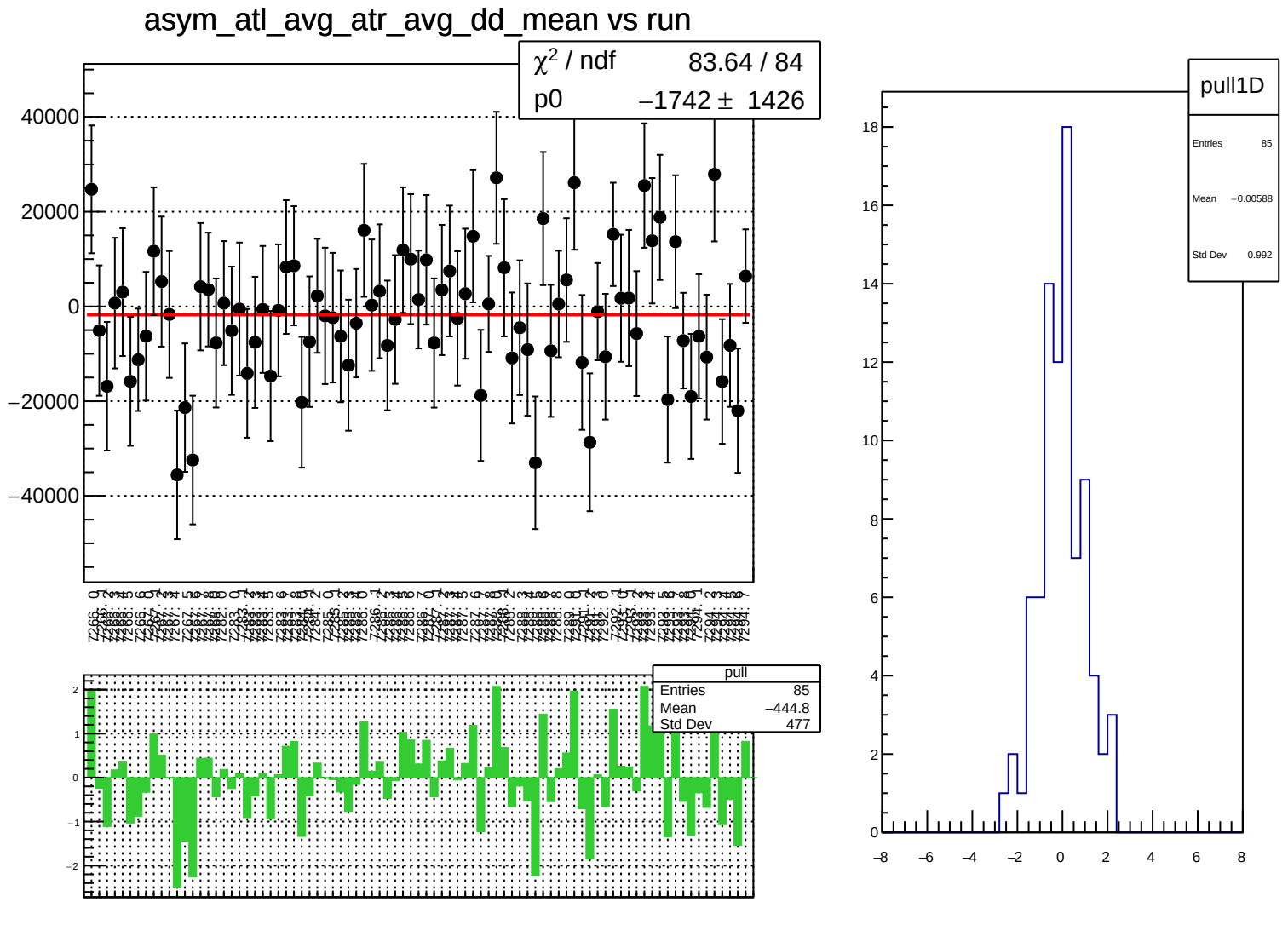



dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 76.18 / 84
p0 −1377 ± 1363
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −5.132e+04
Std Dev 5.135e+04
2
1
0
−1
−2
pull1D
Entries 85
Mean −4.911e−05
Std Dev 0.9467
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

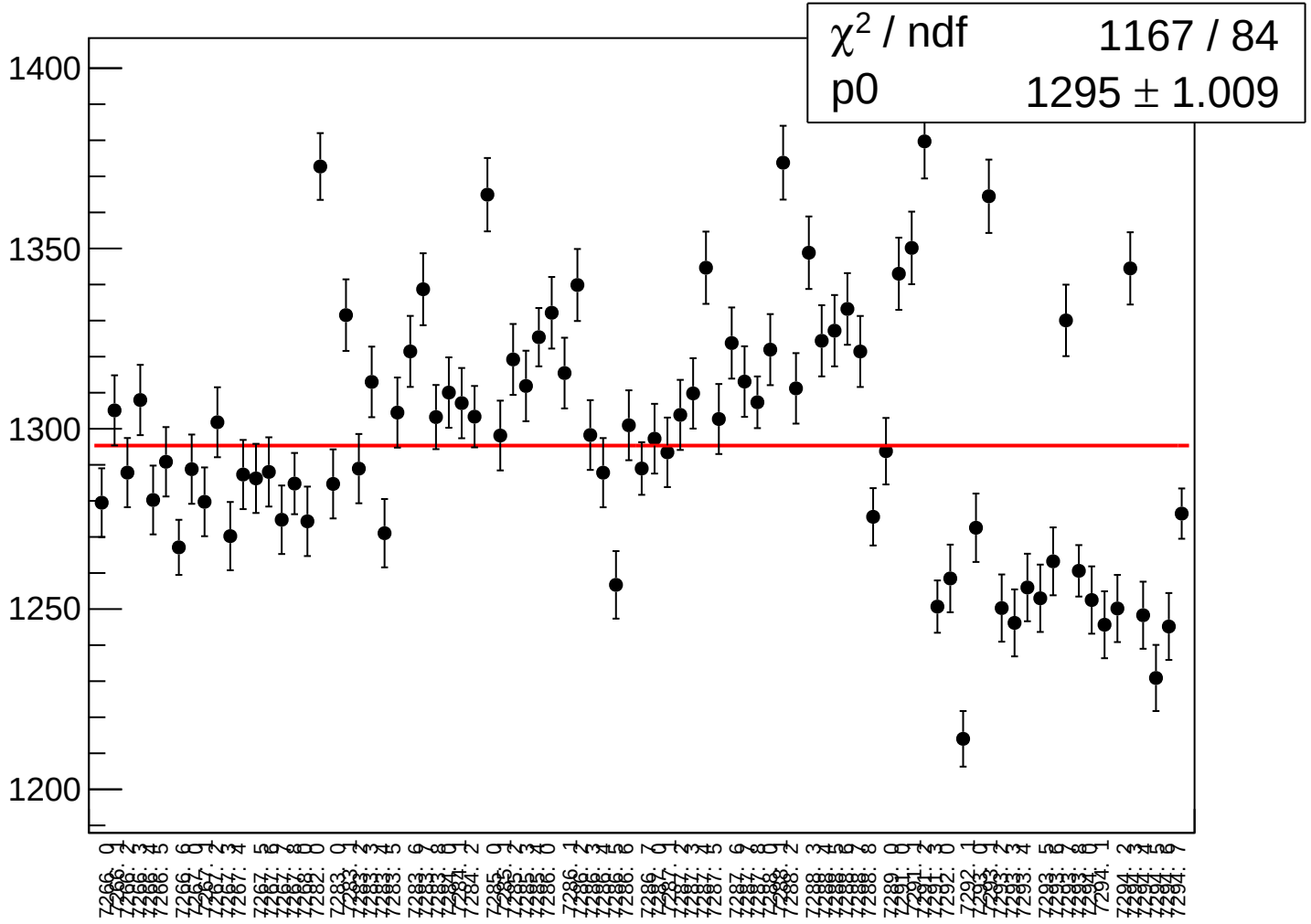

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 896.5 / 84
p0 1238 ± 0.9641
1360
1340
1320
1300
1280
1260
1240
1220
1200
1180

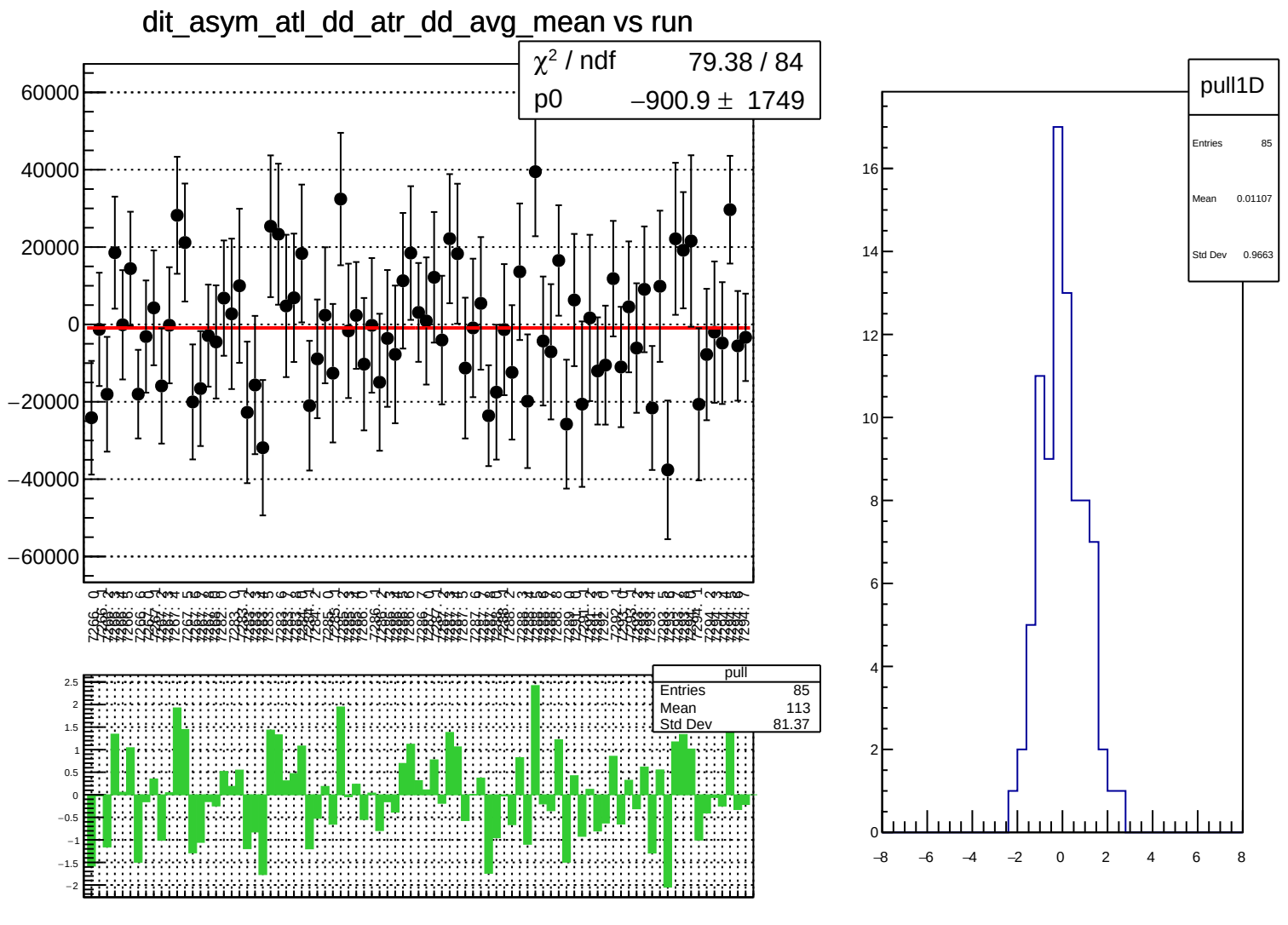

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 98.32 / 84
p0 511.3 ± 459
pull
Entries 85
Mean −1542
Std Dev 1568
pull1D
Entries 85
Mean 0.0008454
Std Dev 1.075


asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 9446 / 84
p0 415.8 ± 0.3246
550
500
450
400
350

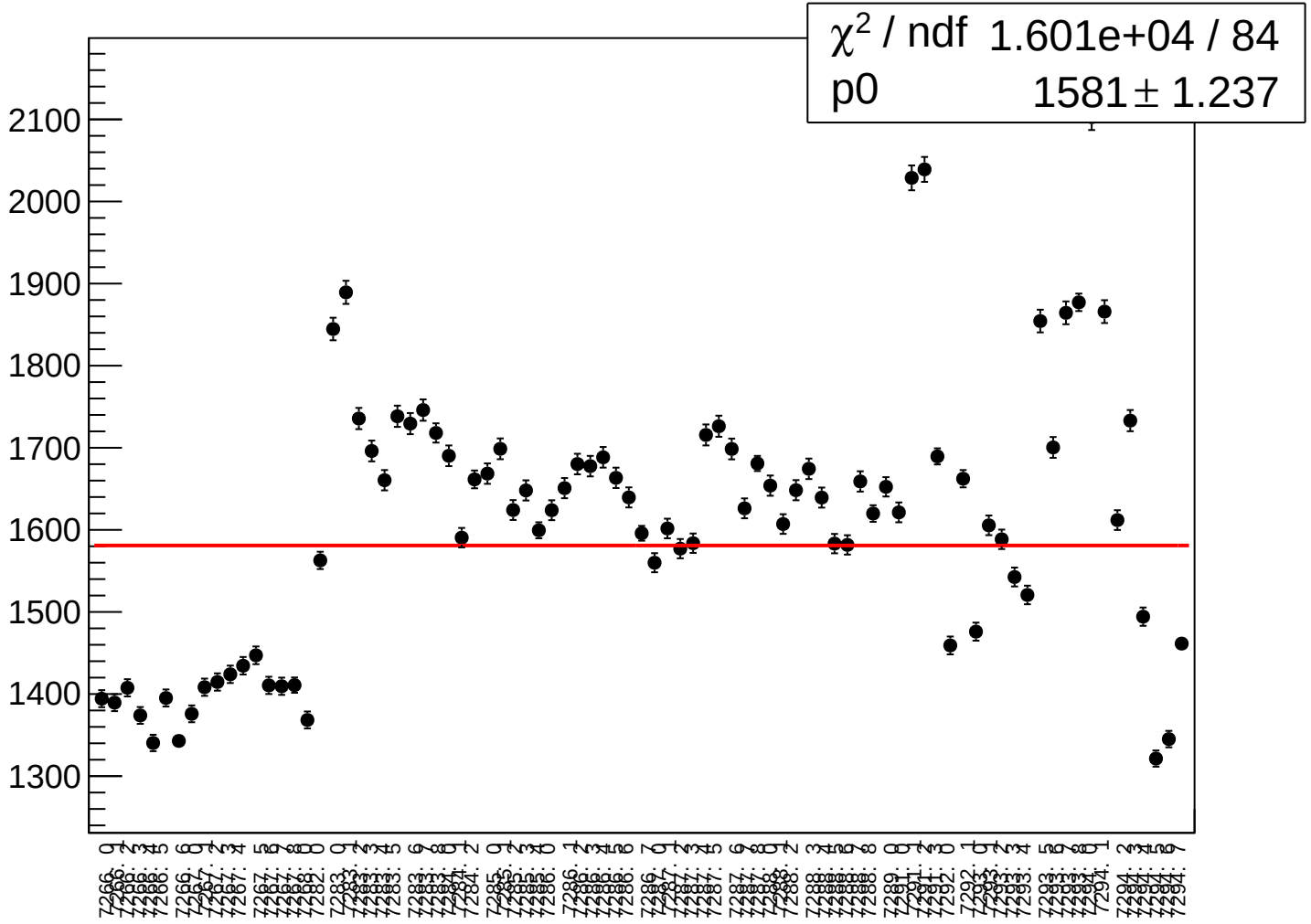

asym_atl_avg_atr_avg_dd_mean vs run
χ^2 / ndf 83.64 / 84
p0 −1742 ± 1426
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −444.8
Std Dev 477
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.00588
Std Dev 0.992
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

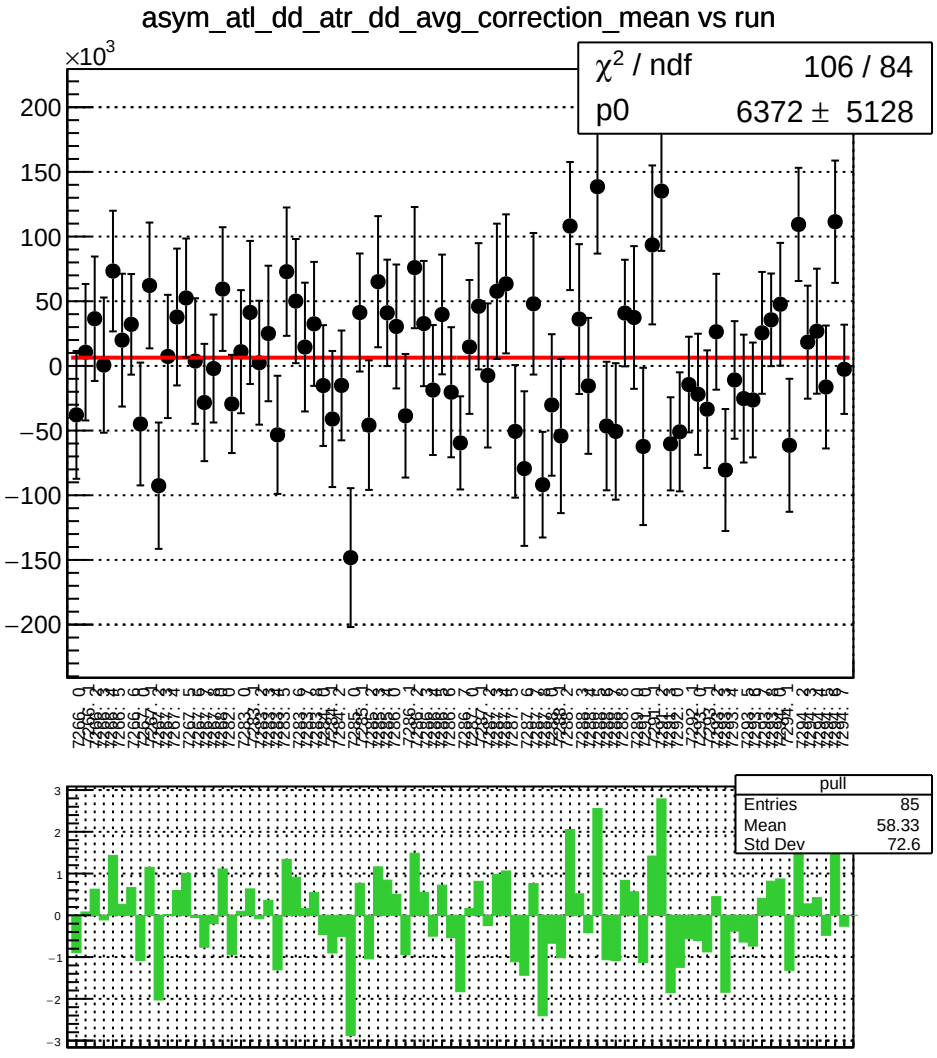
asym_atl_avg_atr_avg_dd_rms vs run

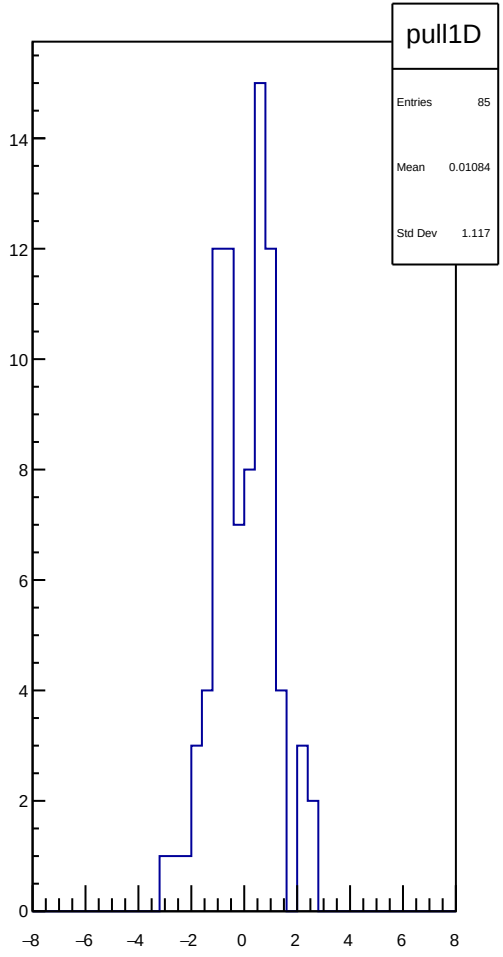


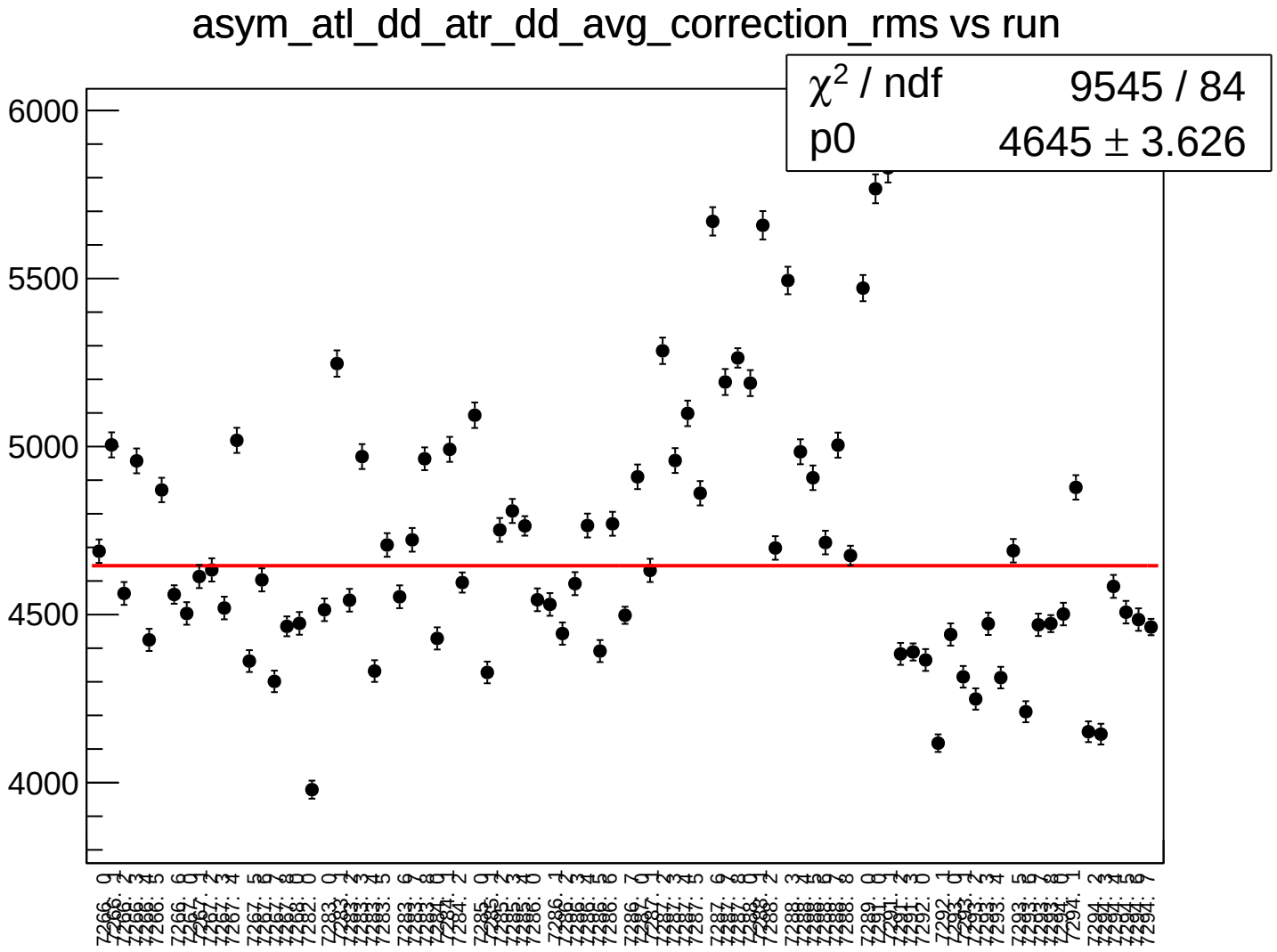

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 79.38 / 84
p0 −900.9 ± 1749
pull
Entries 85
Mean 113
Std Dev 81.37
pull1D
Entries 85
Mean 0.01107
Std Dev 0.9663

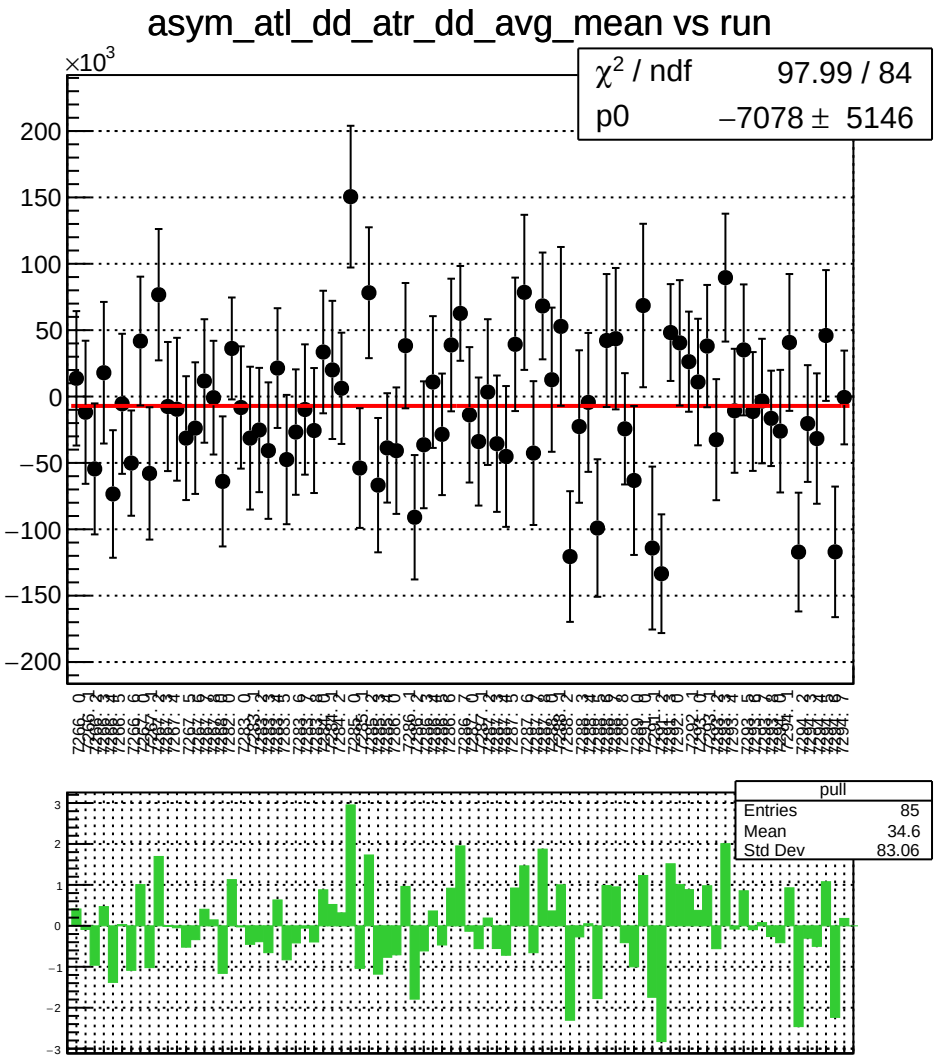
dit_asym_atl_dd_atr_dd_avg_rms vs run

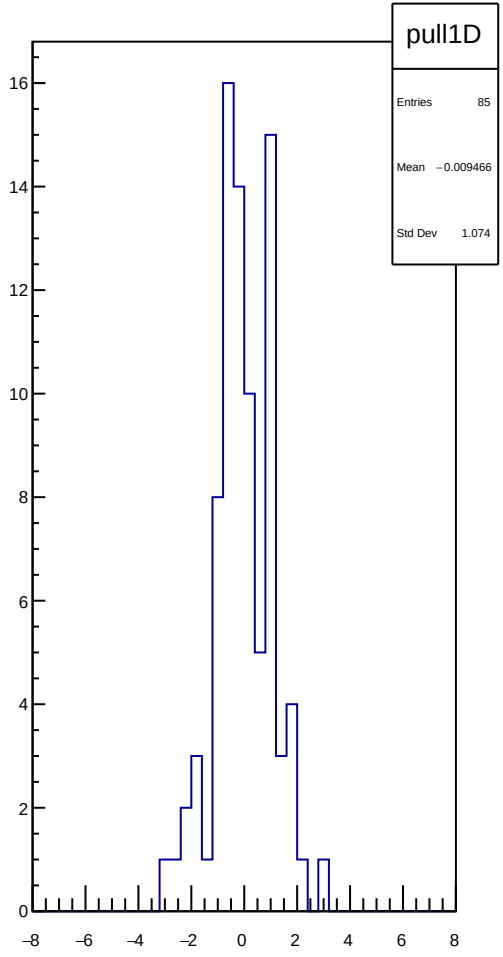


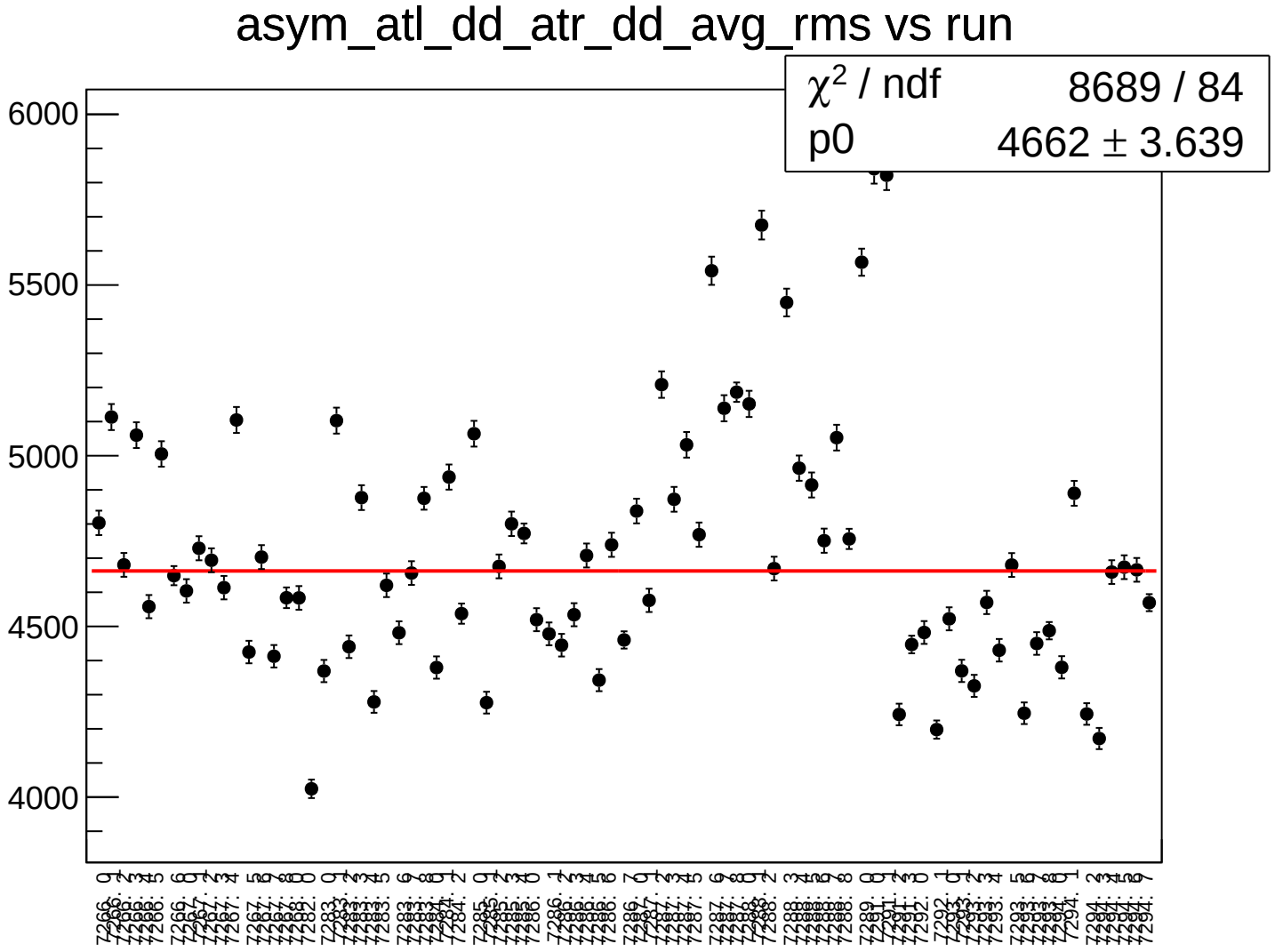

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 106 / 84
p0 6372 ± 5128
pull
Entries 85
Mean 58.33
Std Dev 72.6

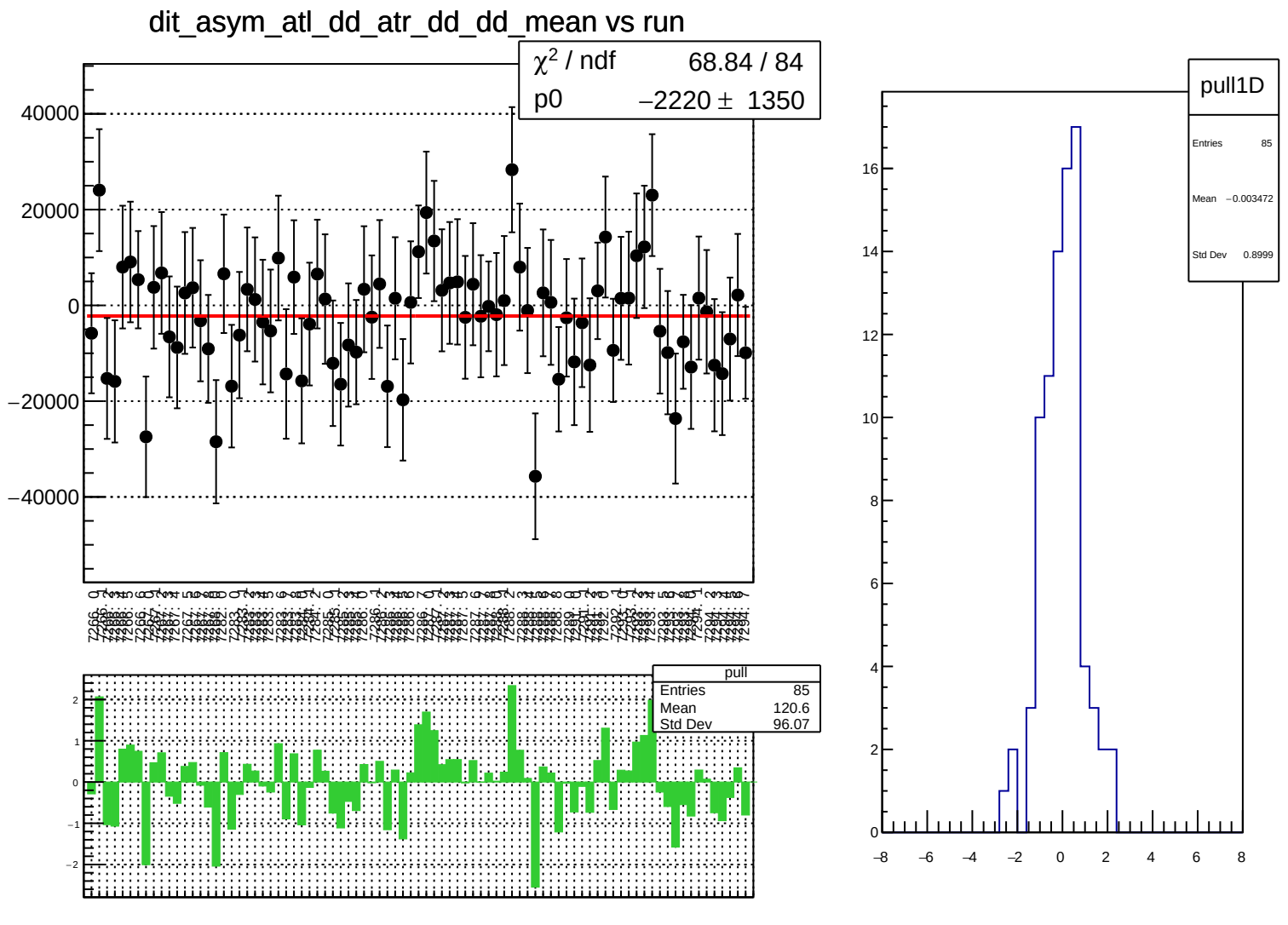

pull1D
Entries 85
Mean 0.01084
Std Dev 1.117

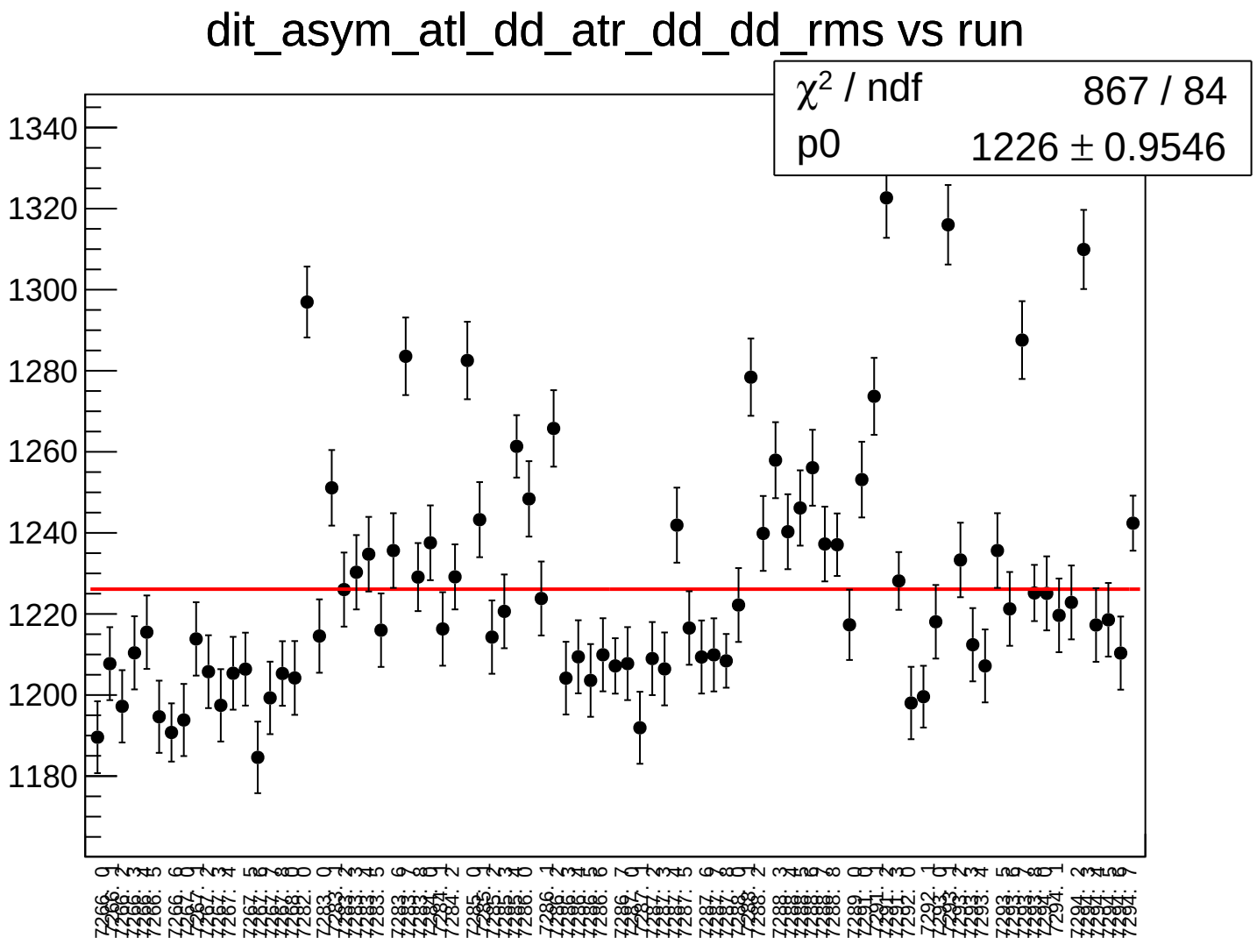

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 9545 / 84
p0 4645 ± 3.626
6000
5500
5000
4500
4000

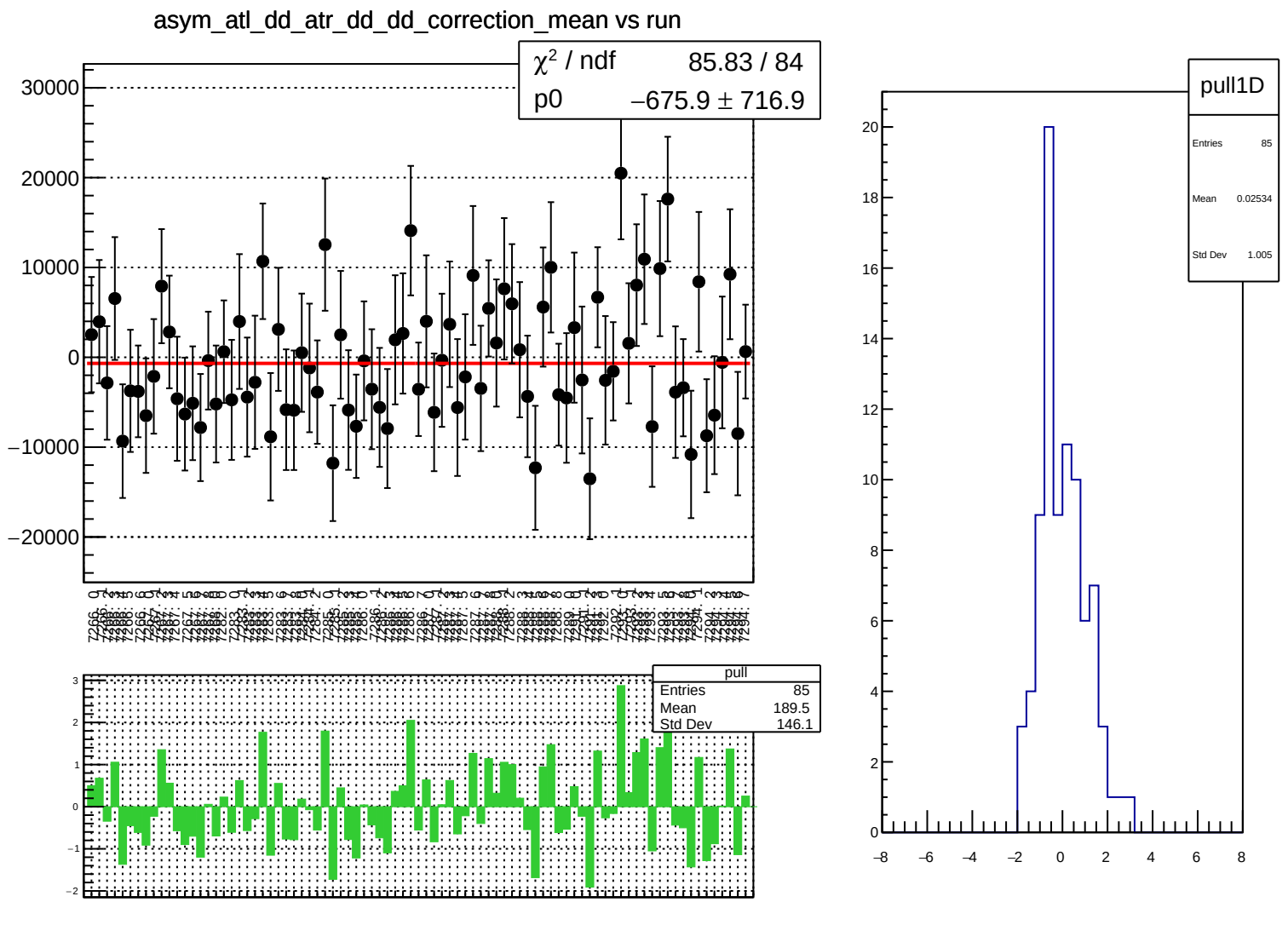

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 97.99 / 84
p0 −7078 ± 5146
pull
Entries 85
Mean 34.6
Std Dev 83.06

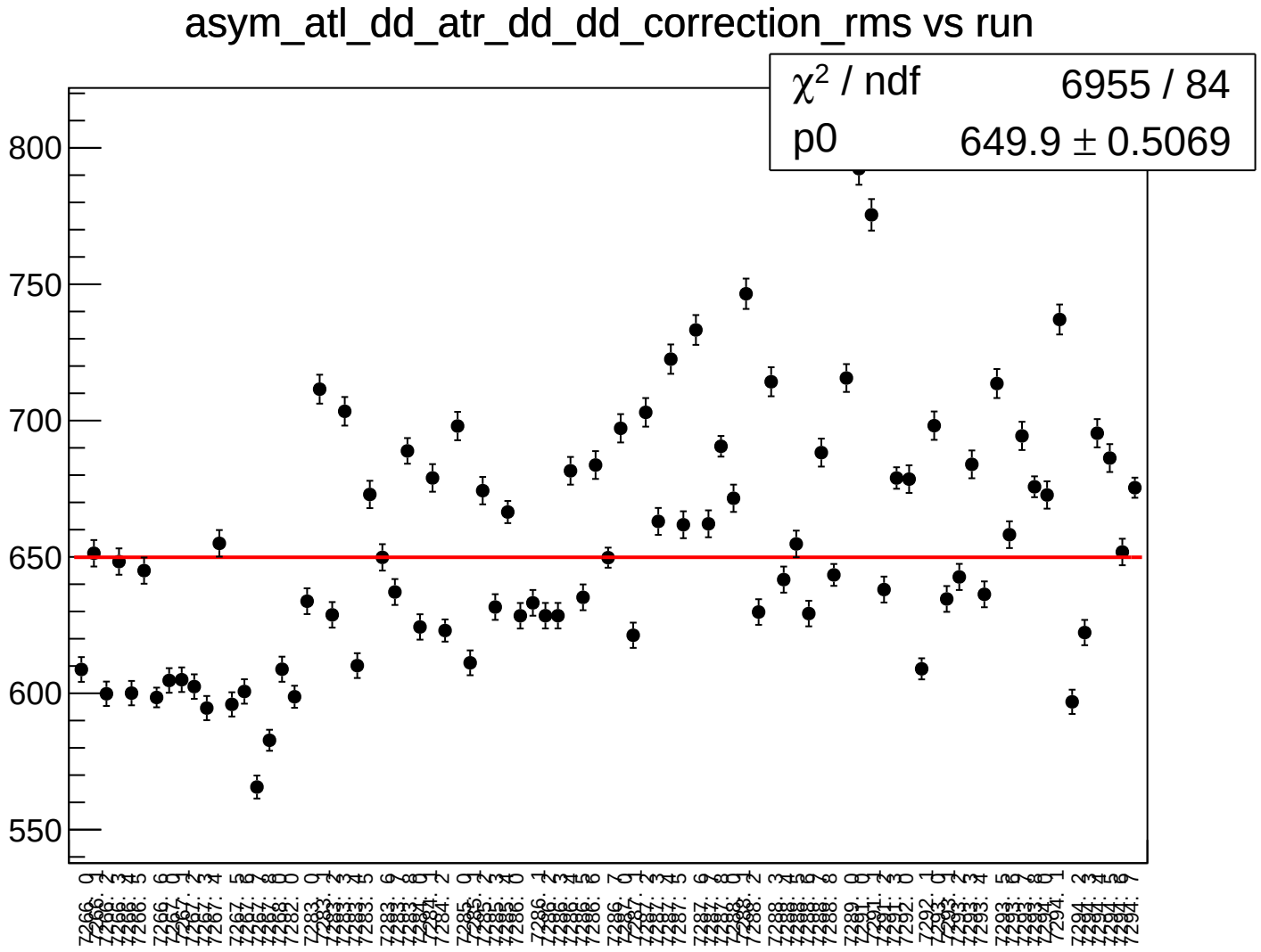

pull1D
Entries 85
Mean −0.009466
Std Dev 1.074

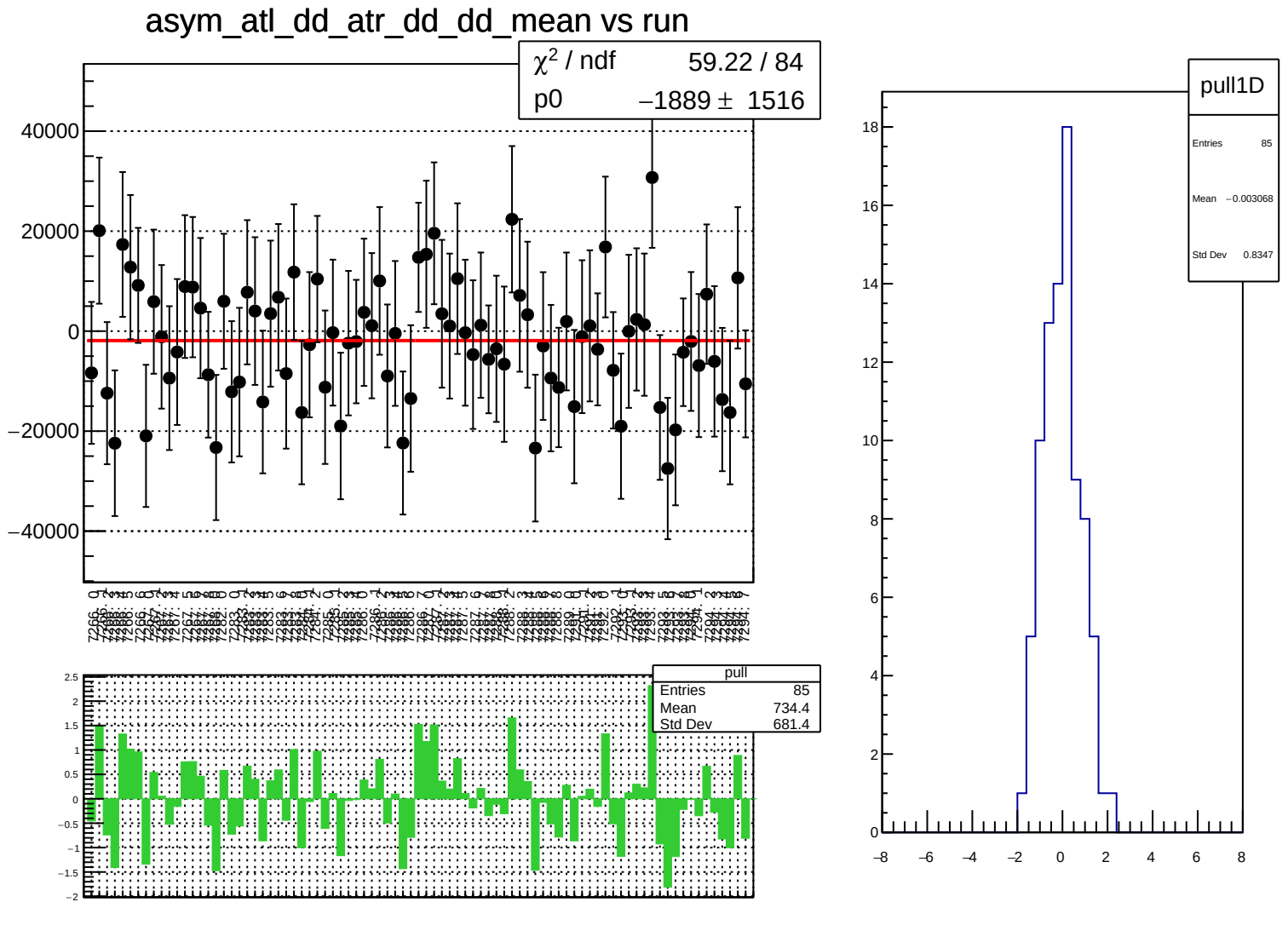

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 8689 / 84
p0 4662 ± 3.639
6000
5500
5000
4500
4000

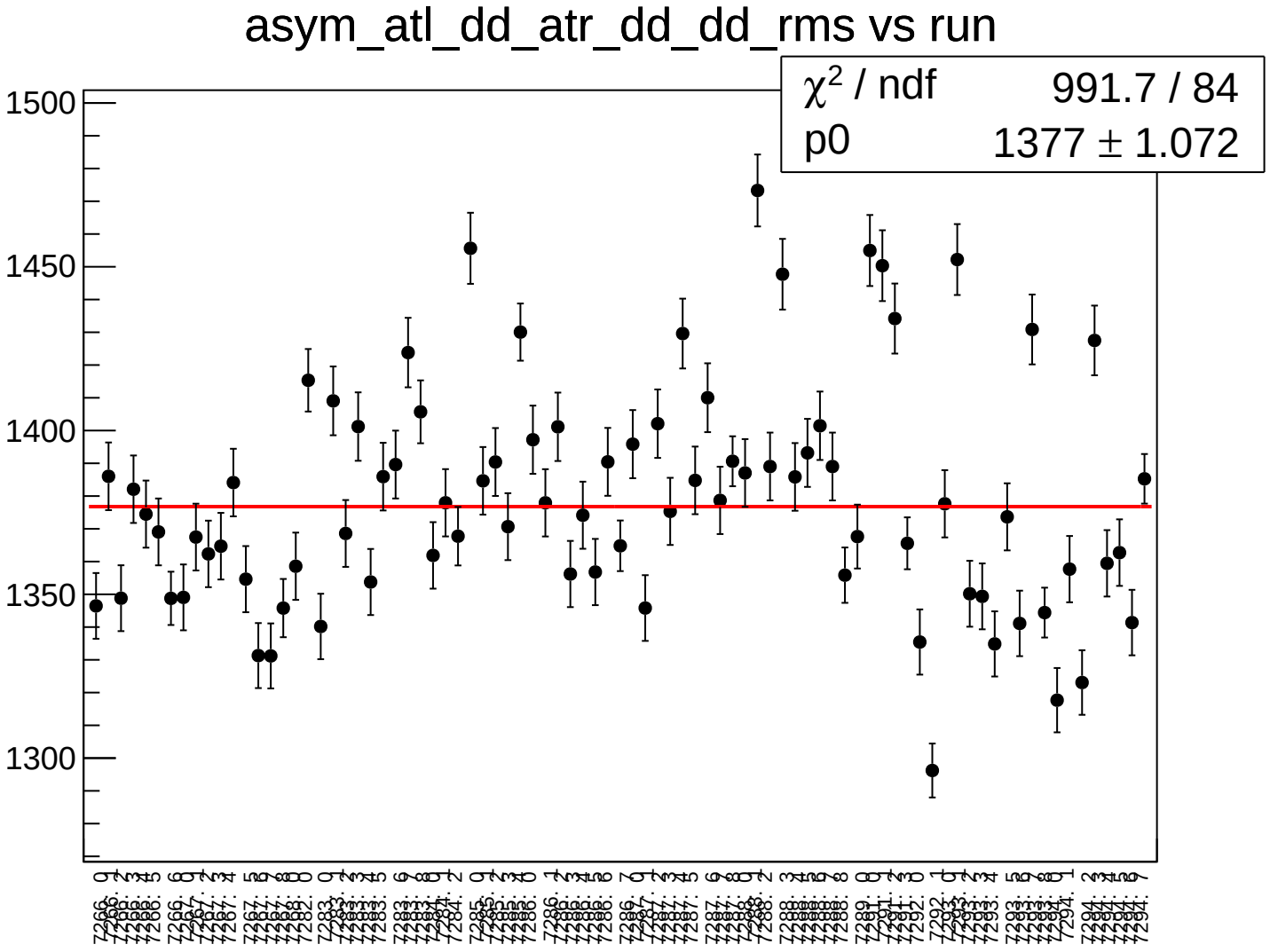

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 68.84 / 84
p0 −2220 ± 1350
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 120.6
Std Dev 96.07
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.003472
Std Dev 0.8999
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

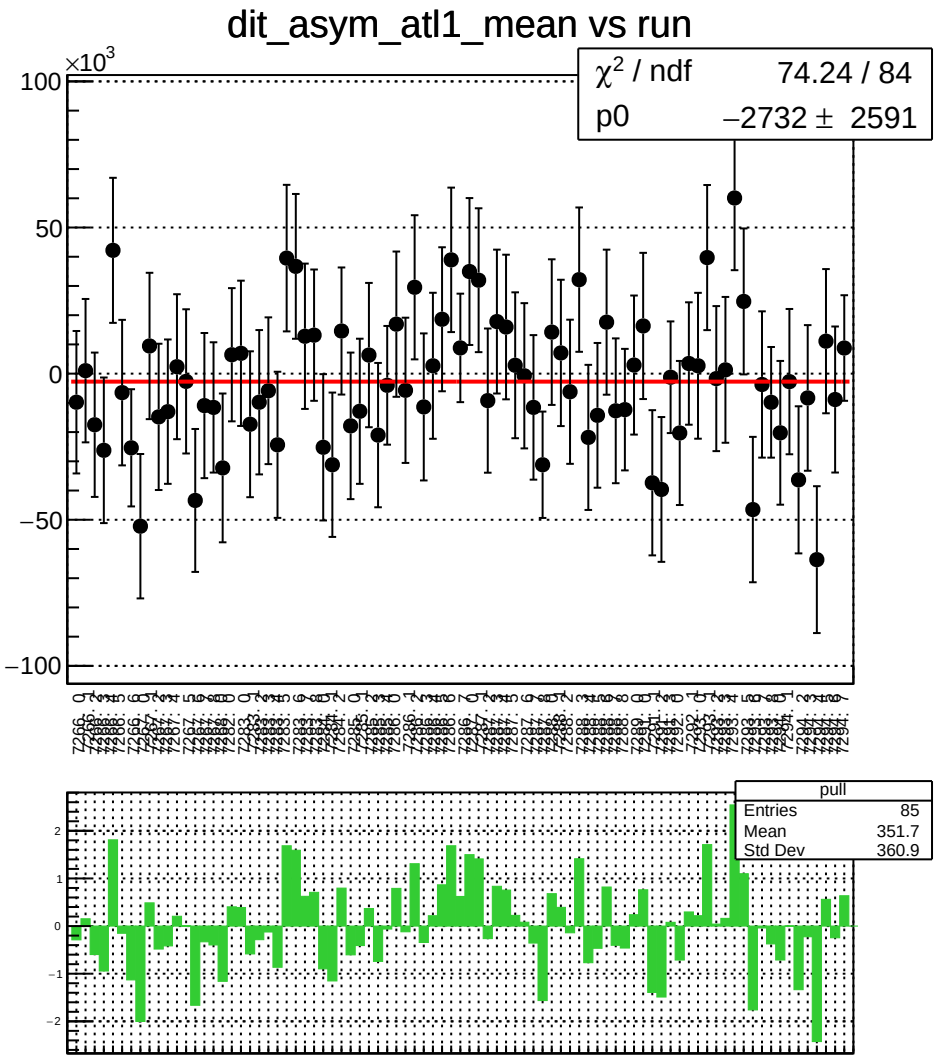

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 867 / 84
p0 1226 ± 0.9546
1340
1320
1300
1280
1260
1240
1220
1200
1180

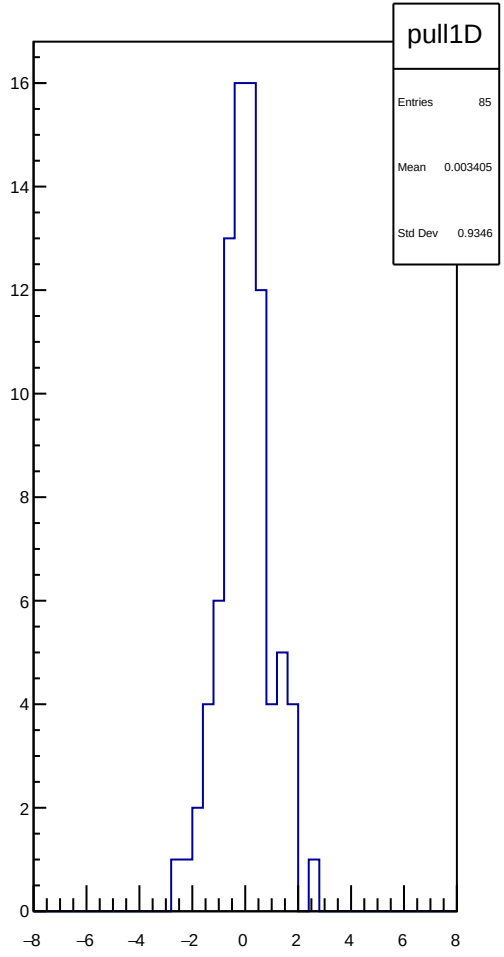

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 85.83 / 84
p0 −675.9 ± 716.9
pull
Entries 85
Mean 189.5
Std Dev 146.1
pull1D
Entries 85
Mean 0.02534
Std Dev 1.005


asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 6955 / 84
p0 649.9 ± 0.5069
800
750
700
650
600
550

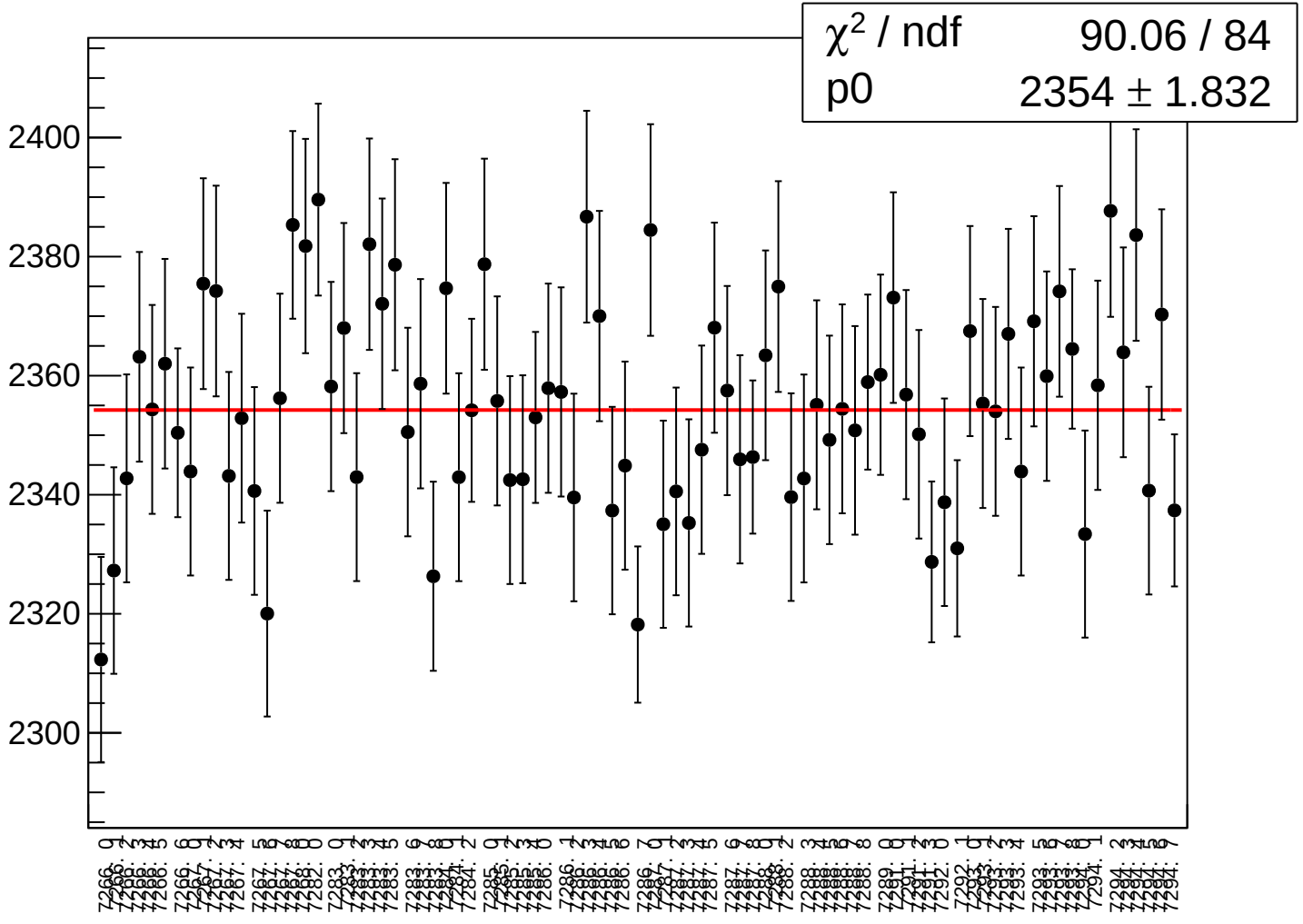

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 59.22 / 84
p0 −1889 ± 1516
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 734.4
Std Dev 681.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.003068
Std Dev 0.8347
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

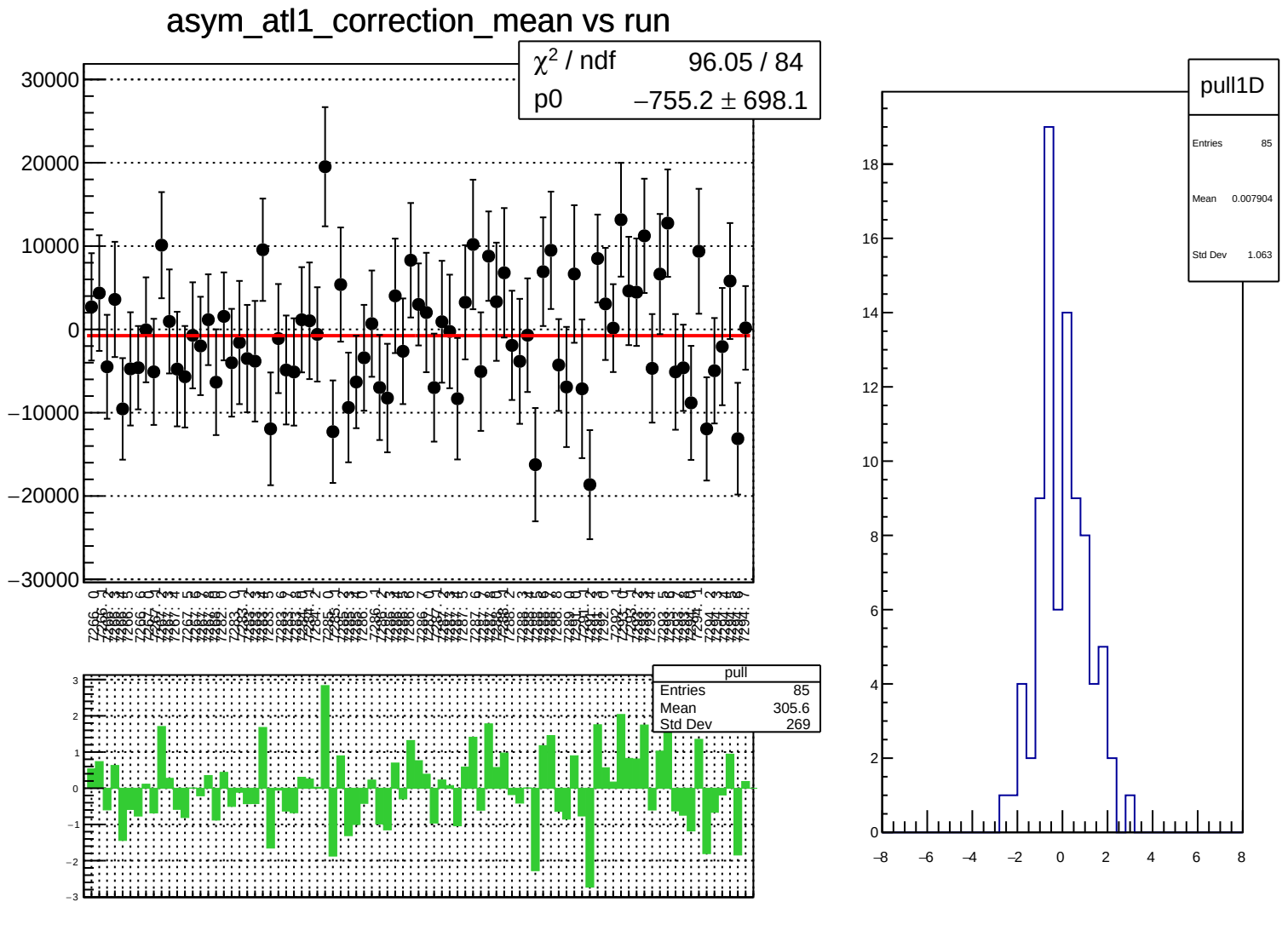

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 991.7 / 84
p0 1377 ± 1.072
1500
1450
1400
1350
1300


dit_asym_atl1_mean vs run
×10^3
χ² / ndf 74.24 / 84
p0 −2732 ± 2591
pull
Entries 85
Mean 351.7
Std Dev 360.9

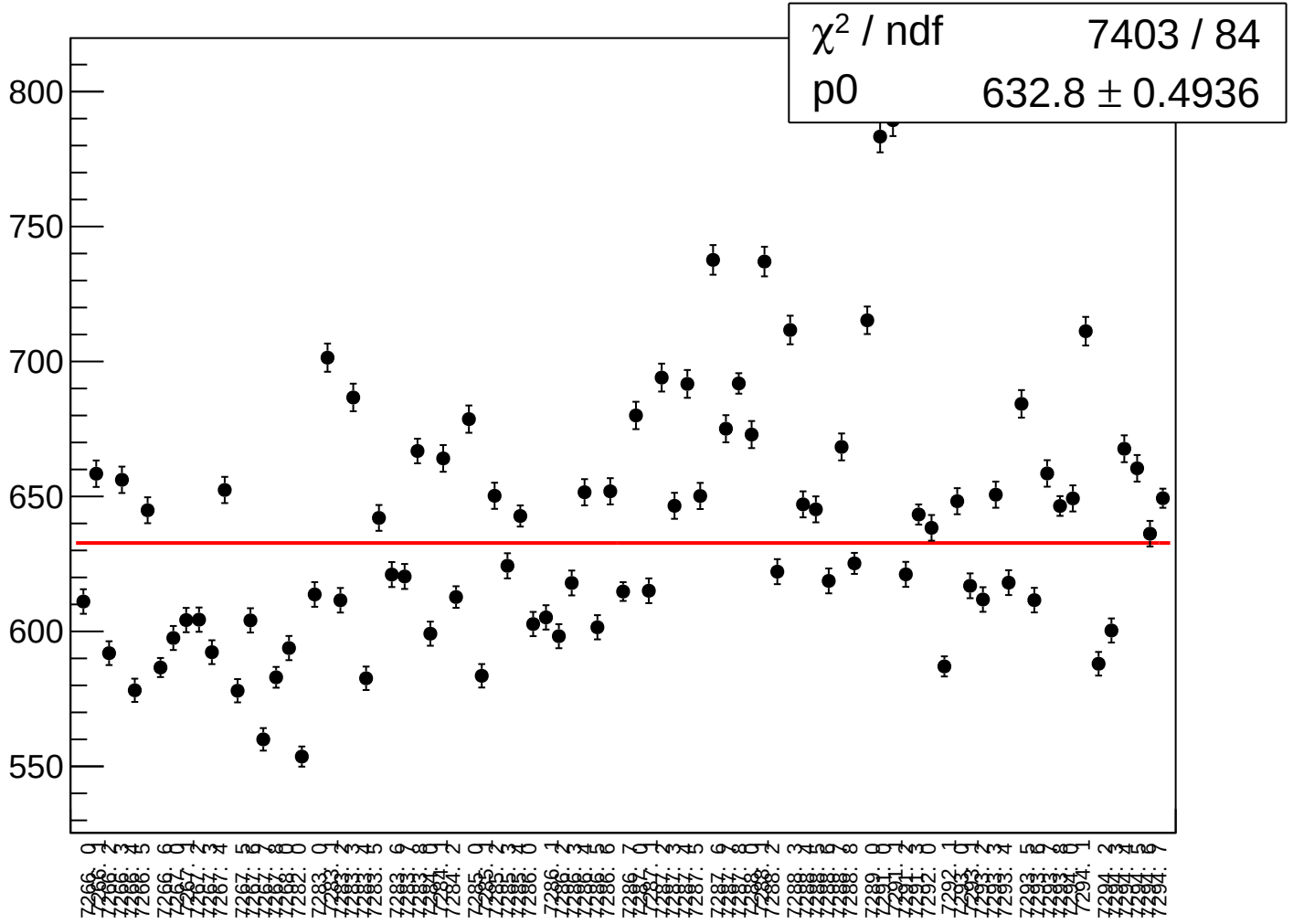

pull1D
Entries 85
Mean 0.003405
Std Dev 0.9346

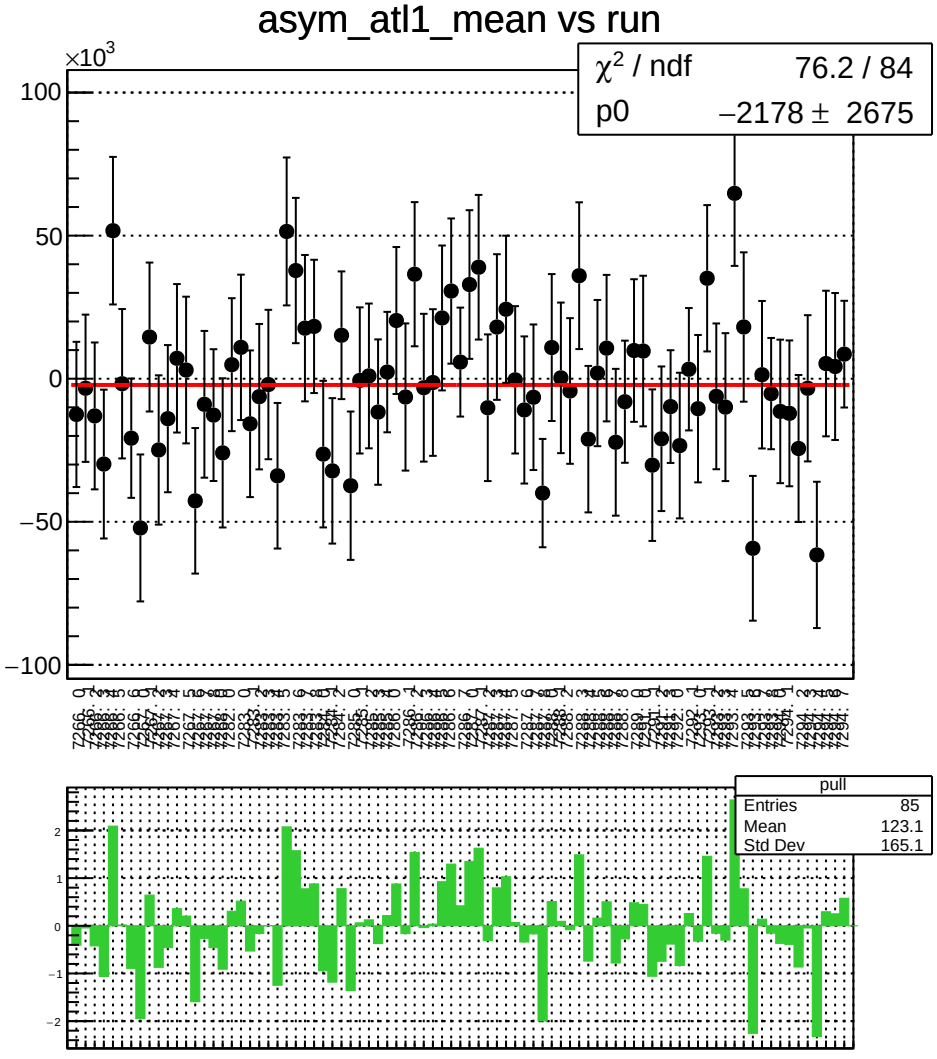
dit_asym_atl1_rms vs run

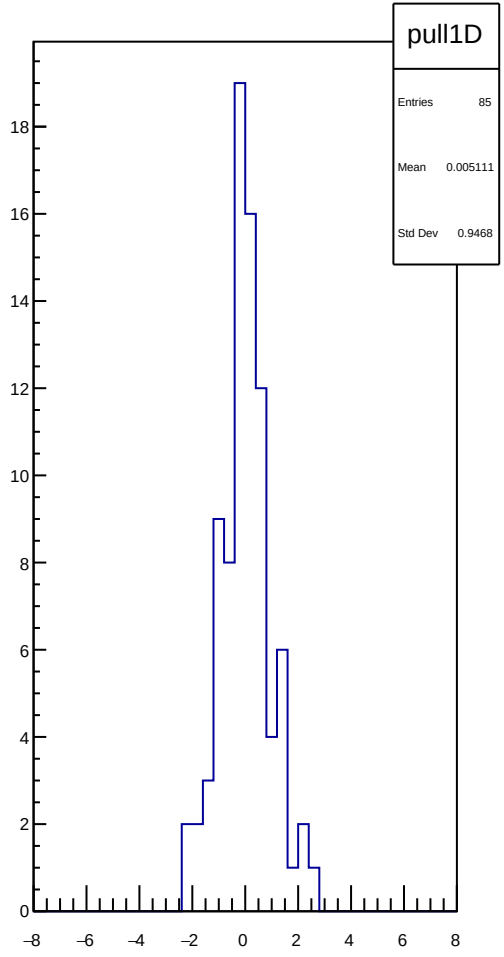


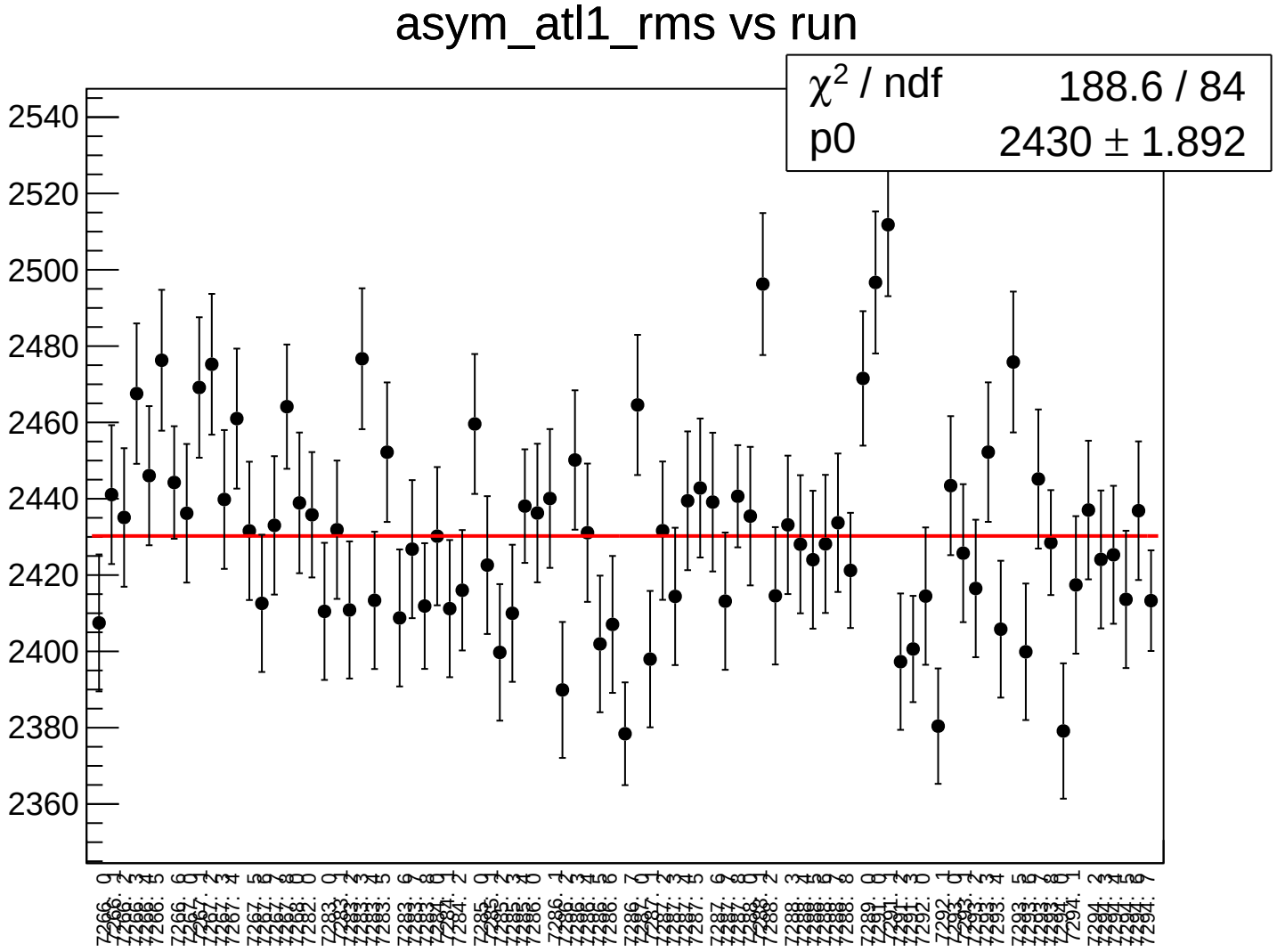

asym_atl1_correction_mean vs run
χ^2 / ndf 96.05 / 84
p0 −755.2 ± 698.1
pull
Entries 85
Mean 305.6
Std Dev 269
pull1D
Entries 85
Mean 0.007904
Std Dev 1.063

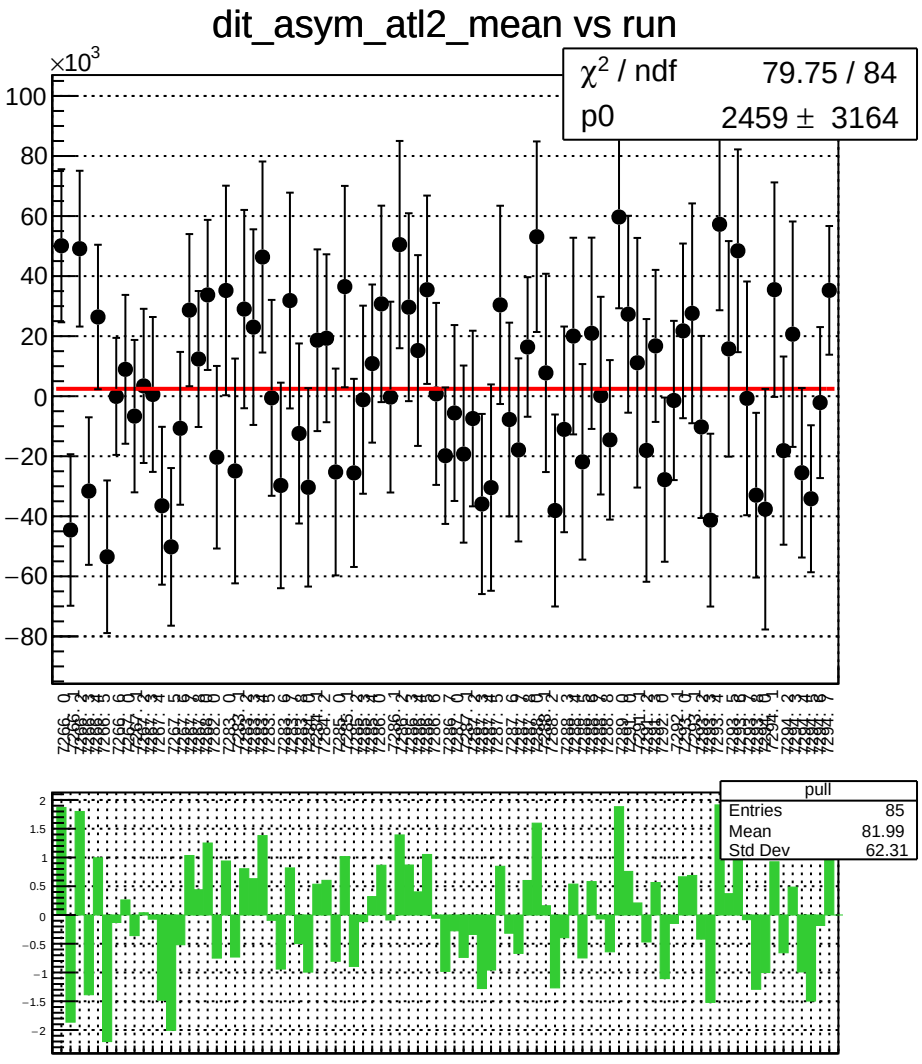
asym_atl1_correction_rms vs run

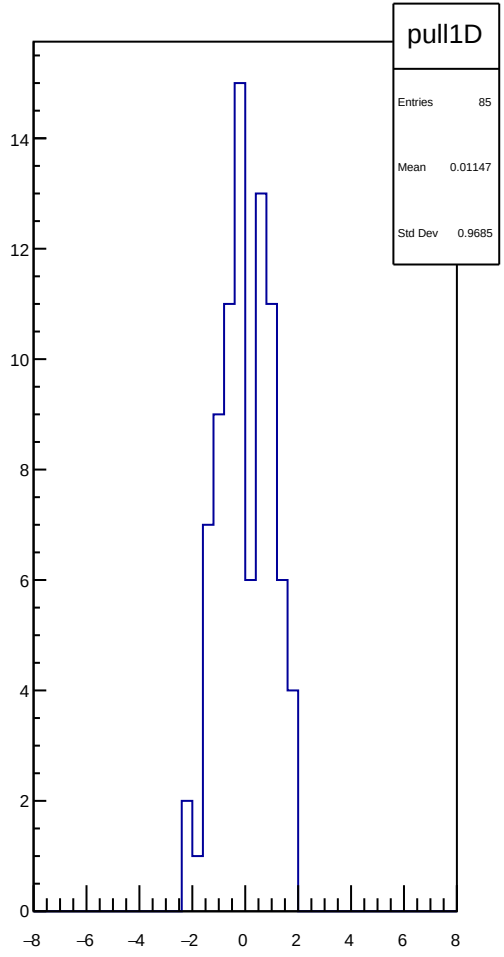



asym_atl1_mean vs run
×10^3
χ^2 / ndf 76.2 / 84
p0 −2178 ± 2675
pull
Entries 85
Mean 123.1
Std Dev 165.1

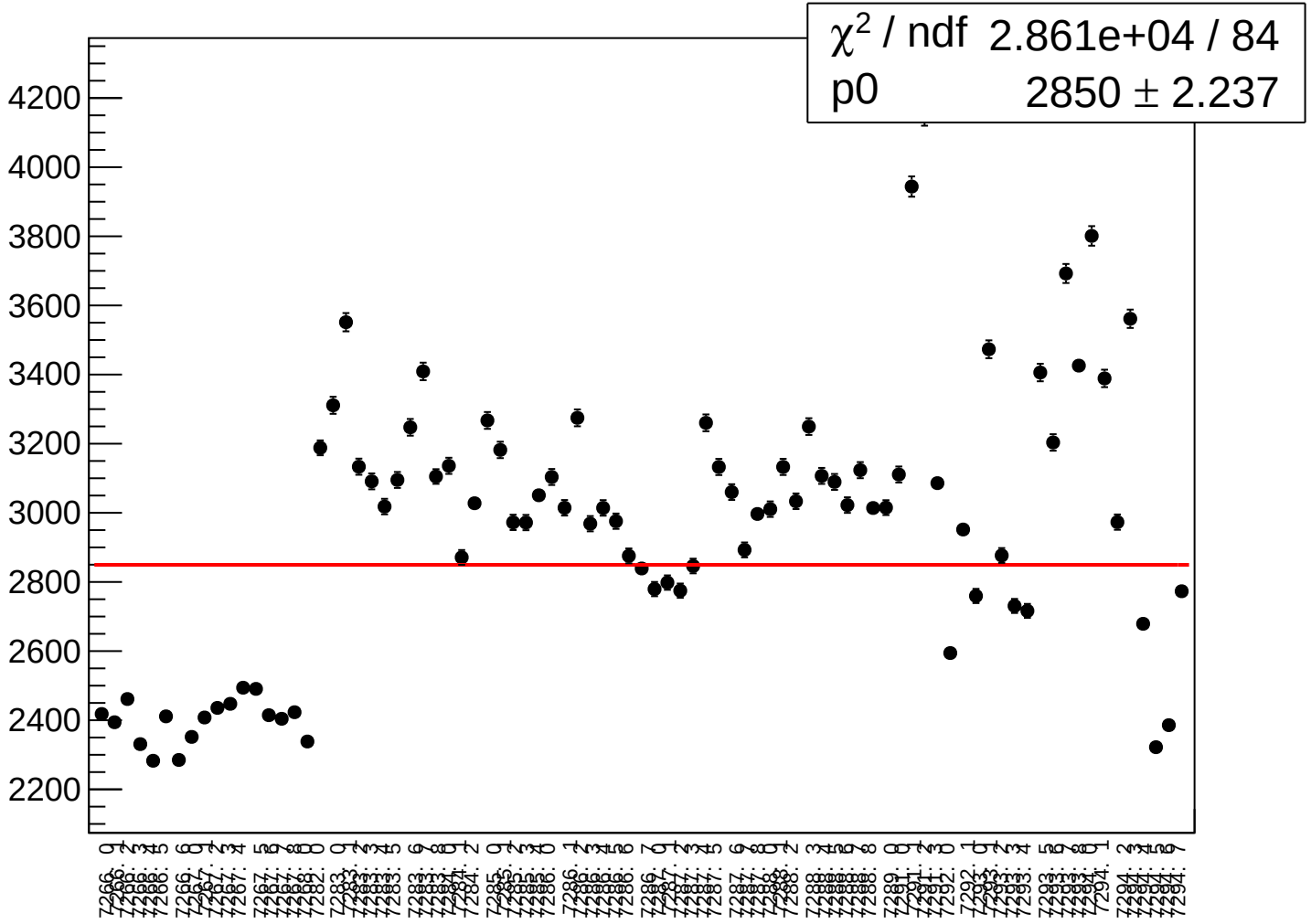

pull1D
Entries 85
Mean 0.005111
Std Dev 0.9468

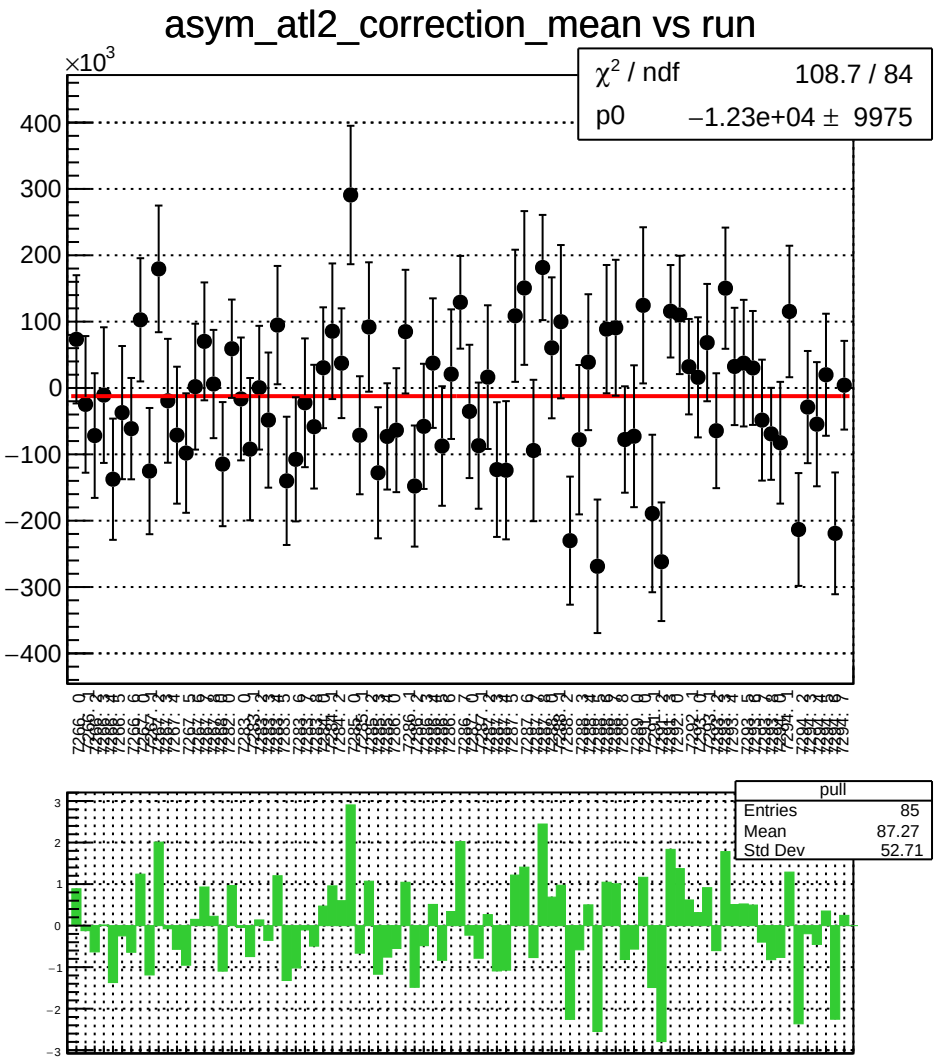

asym_atl1_rms vs run
χ² / ndf 188.6 / 84
p0 2430 ± 1.892
2540
2520
2500
2480
2460
2440
2420
2400
2380
2360

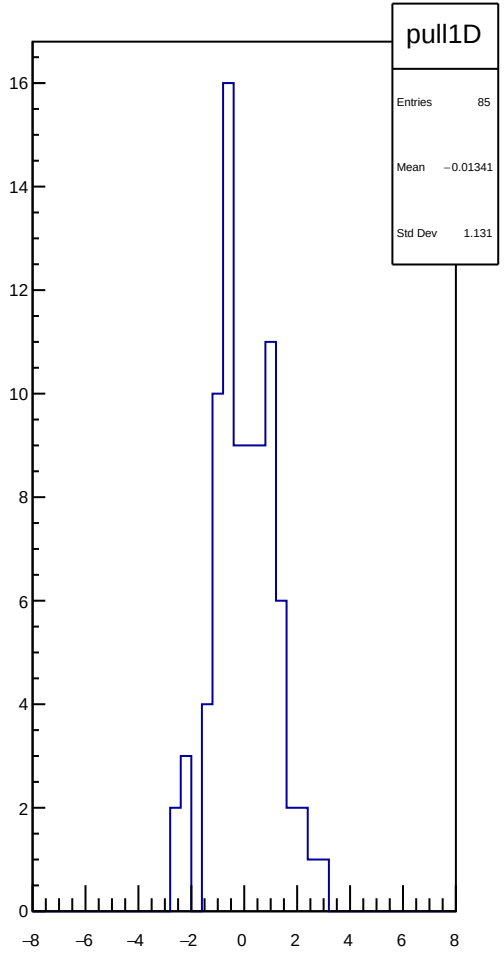

dit_asym_atl2_mean vs run
χ^2 / ndf 79.75 / 84
p0 2459 ± 3164
×10^3
pull
Entries 85
Mean 81.99
Std Dev 62.31


pull1D
Entries 85
Mean 0.01147
Std Dev 0.9685

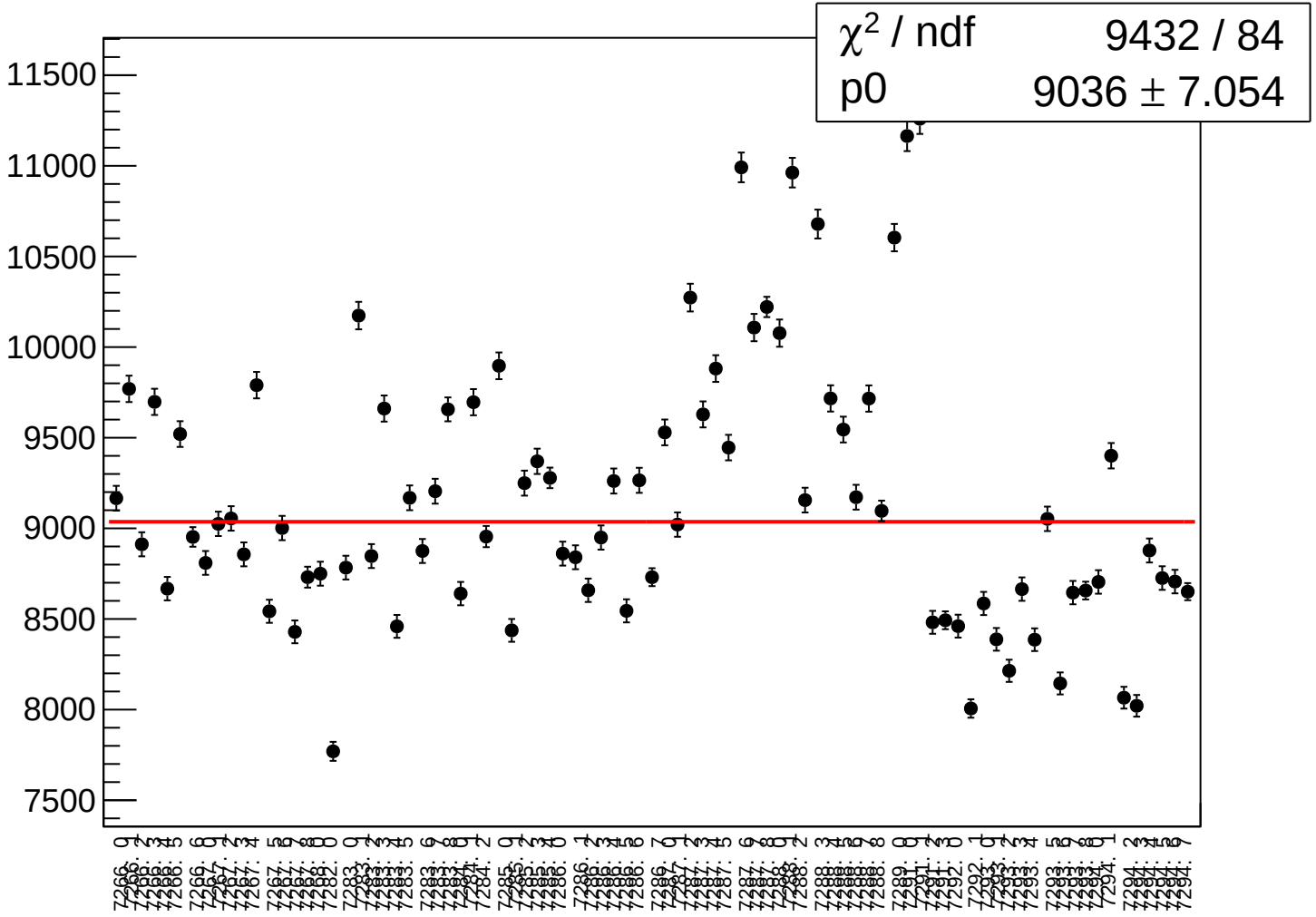
dit_asym_atl2_rms vs run

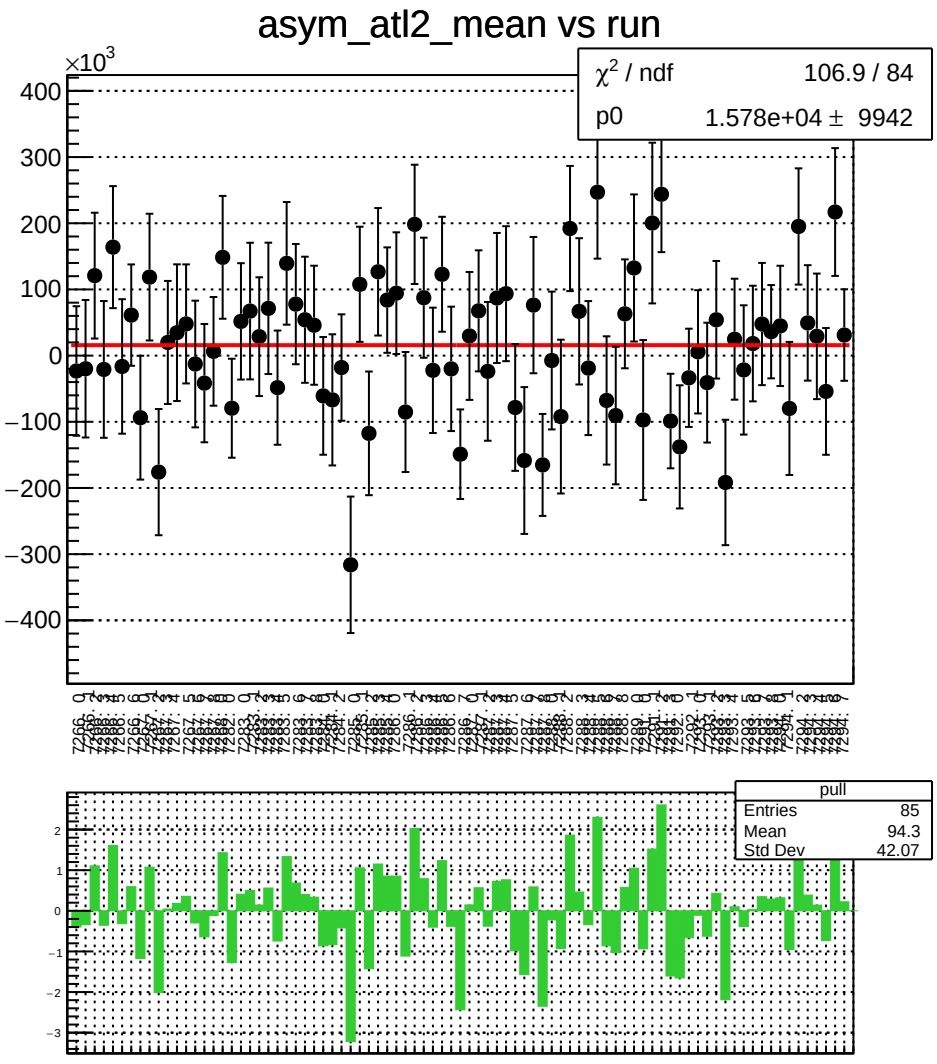


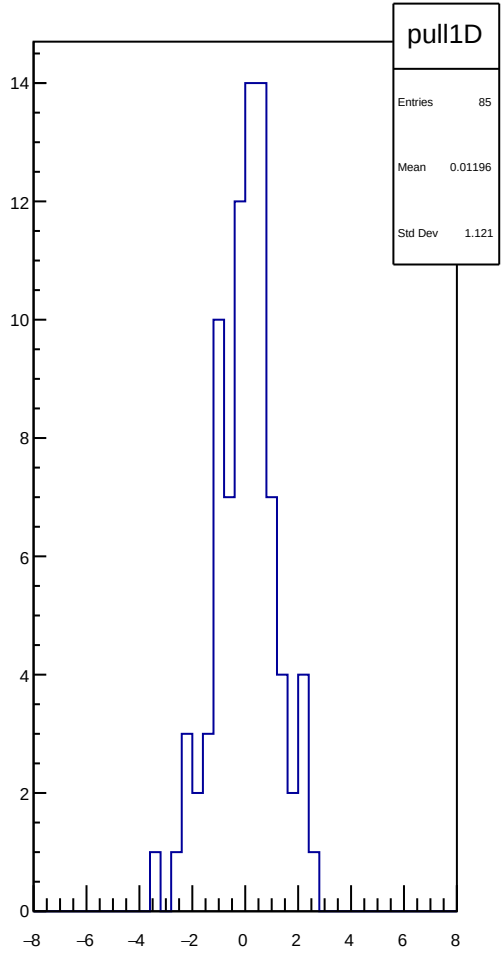

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 108.7 / 84
p0 −1.23e+04 ± 9975
pull
Entries 85
Mean 87.27
Std Dev 52.71

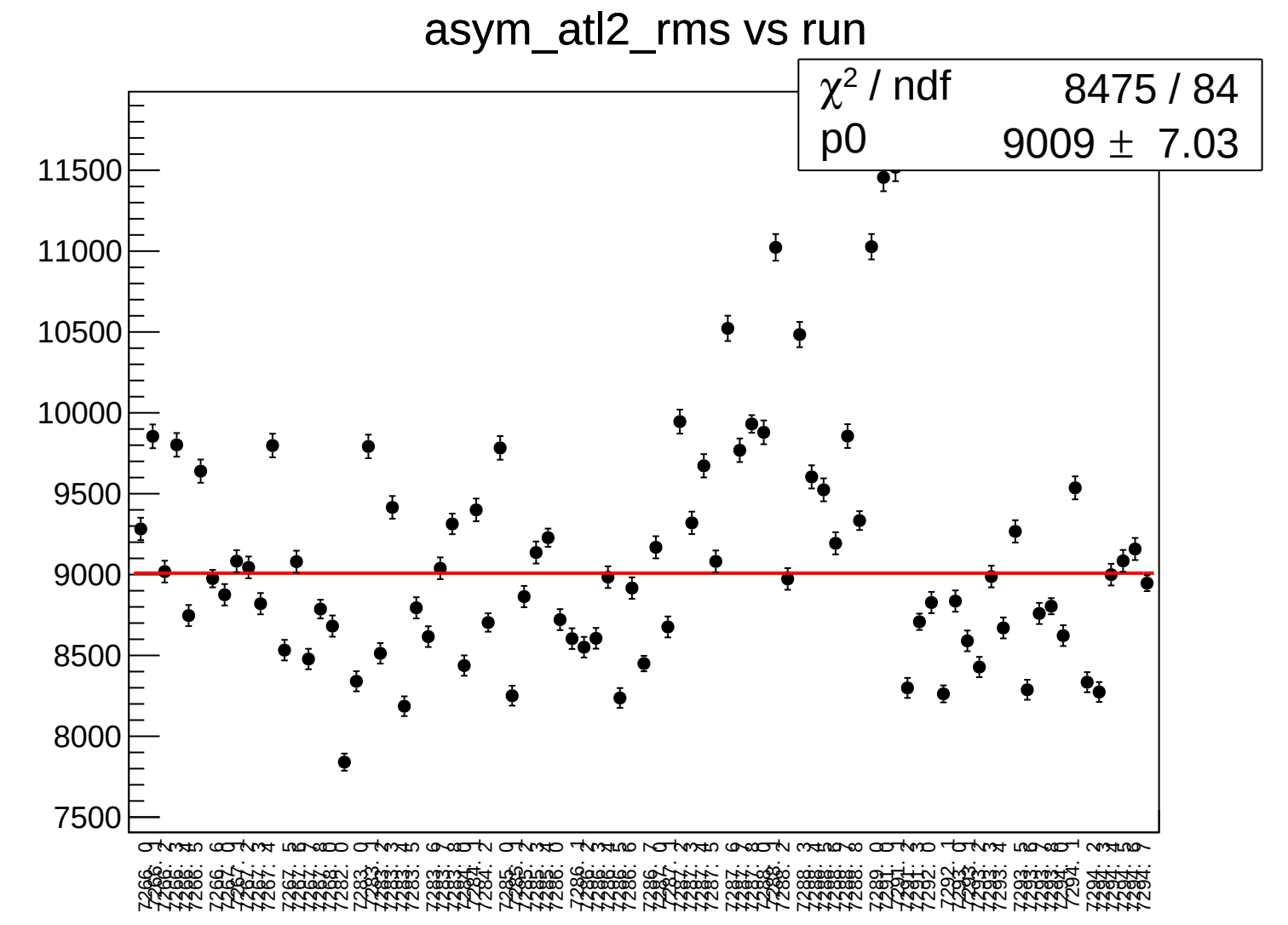

pull1D
Entries 85
Mean −0.01341
Std Dev 1.131

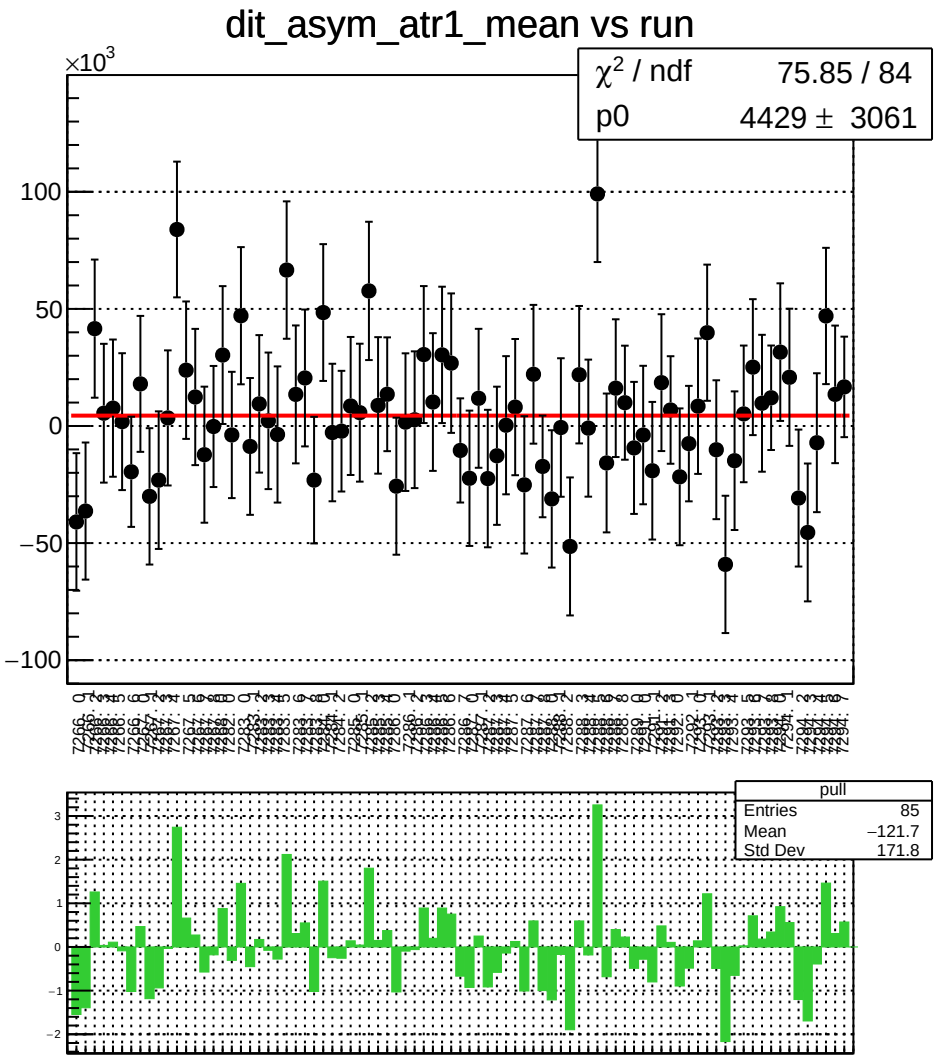
asym_atl2_correction_rms vs run

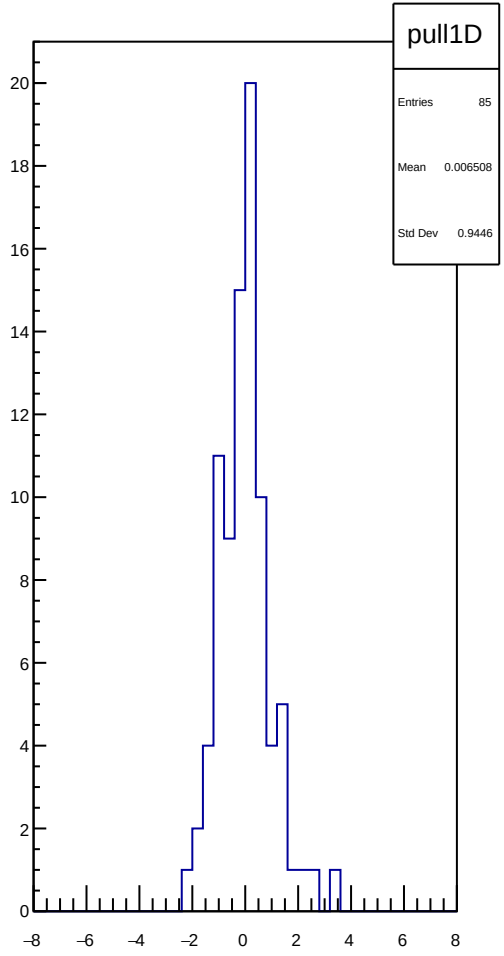


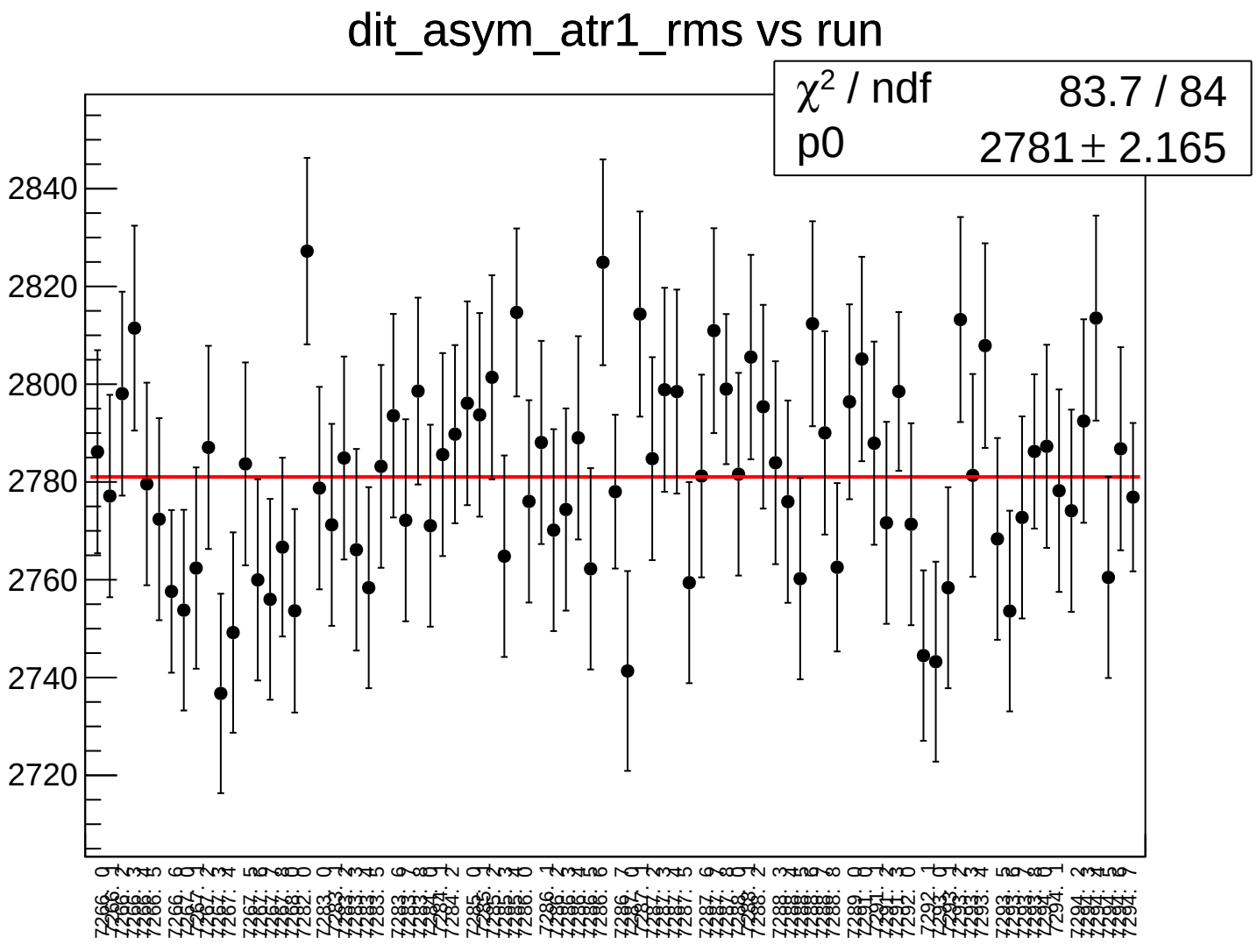

asym_atl2_mean vs run
×10^3
χ² / ndf 106.9 / 84
p0 1.578e+04 ± 9942
pull
Entries 85
Mean 94.3
Std Dev 42.07

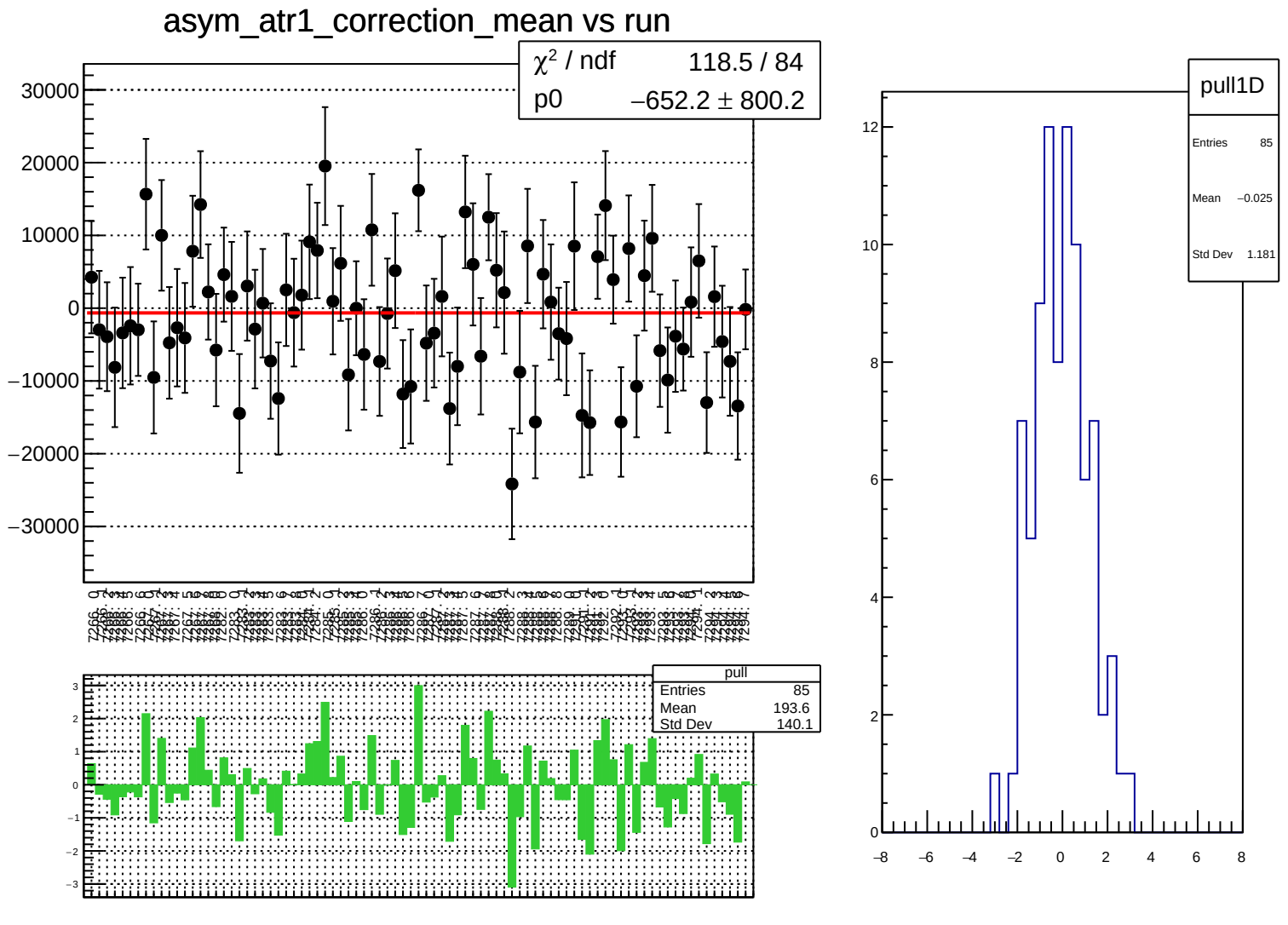

pull1D
Entries 85
Mean 0.01196
Std Dev 1.121

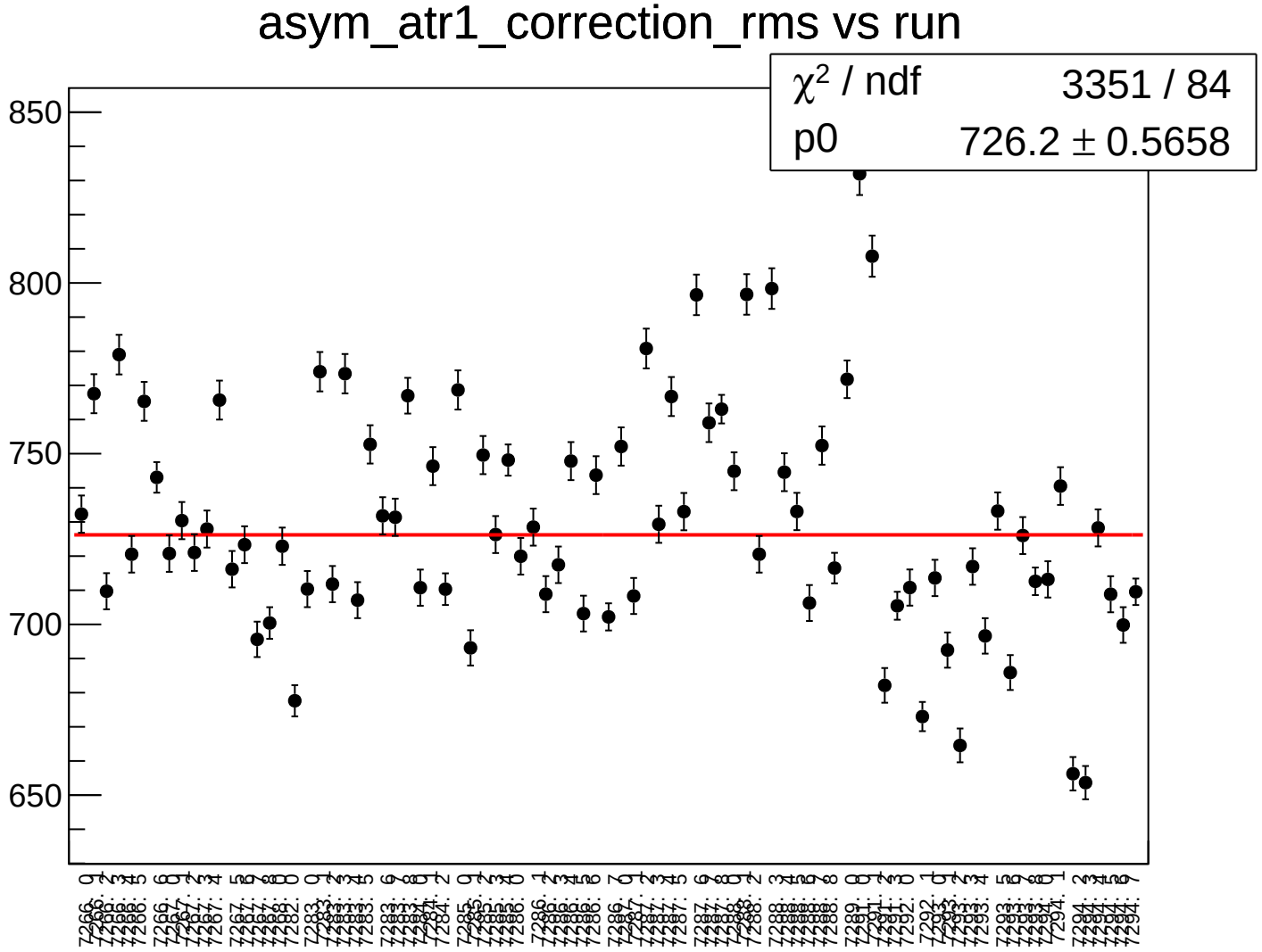

asym_atl2_rms vs run
χ² / ndf 8475 / 84
p0 9009 ± 7.03
11500
11000
10500
10000
9500
9000
8500
8000
7500

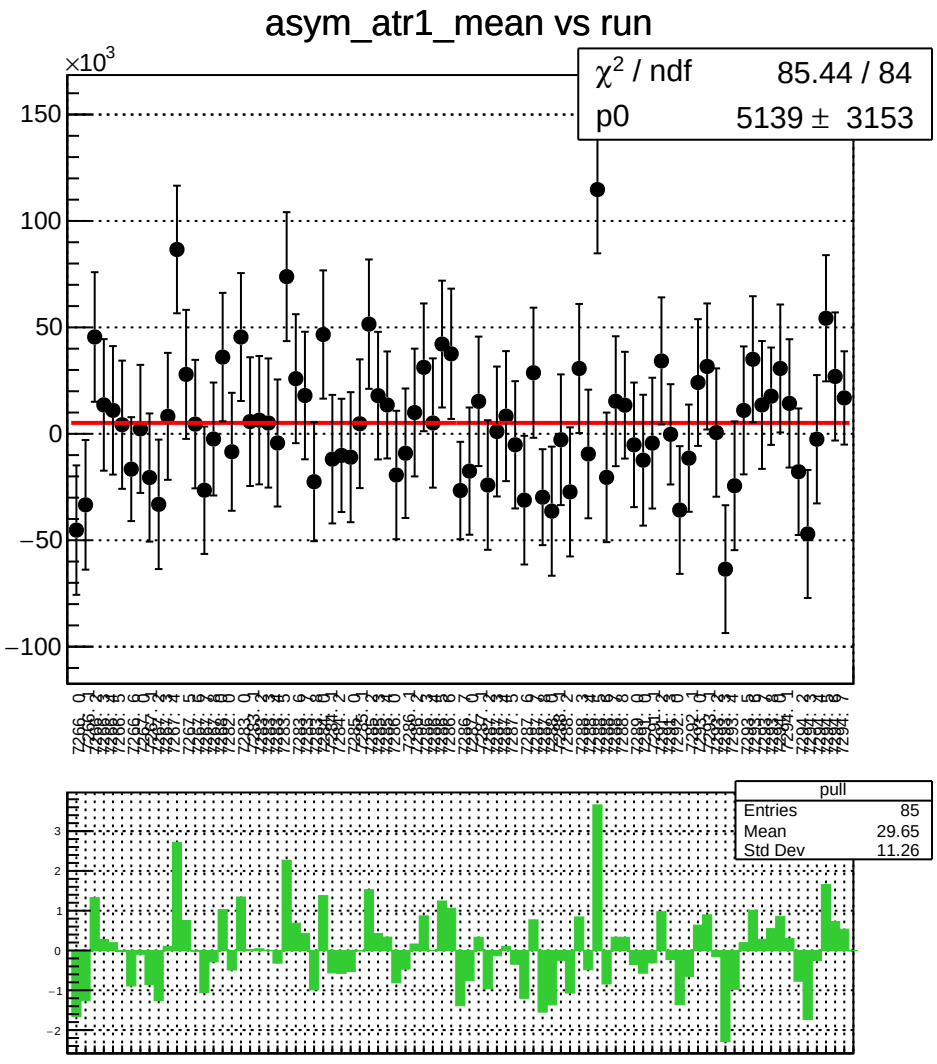

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 75.85 / 84
p0 4429 ± 3061
100
50
0
−50
−100
pull
Entries 85
Mean −121.7
Std Dev 171.8
3
2
1
0
−1
−2

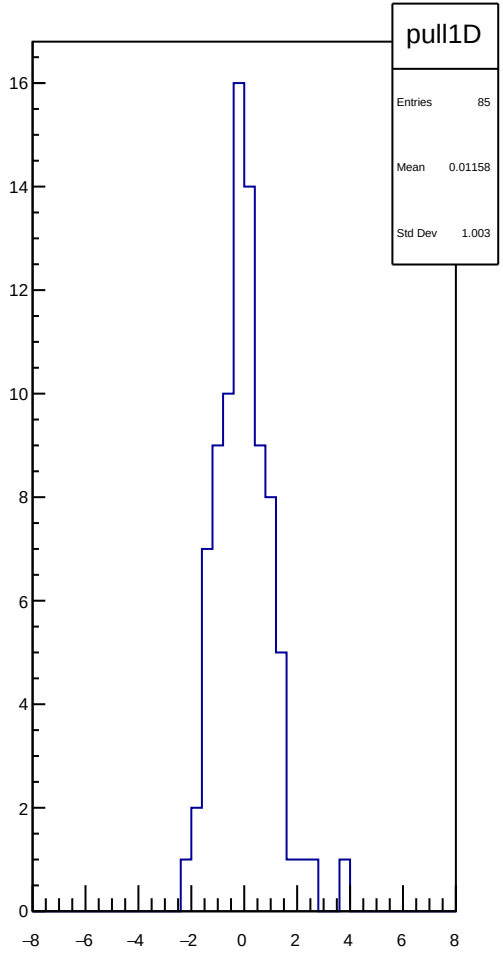

pull1D
Entries 85
Mean 0.006508
Std Dev 0.9446
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

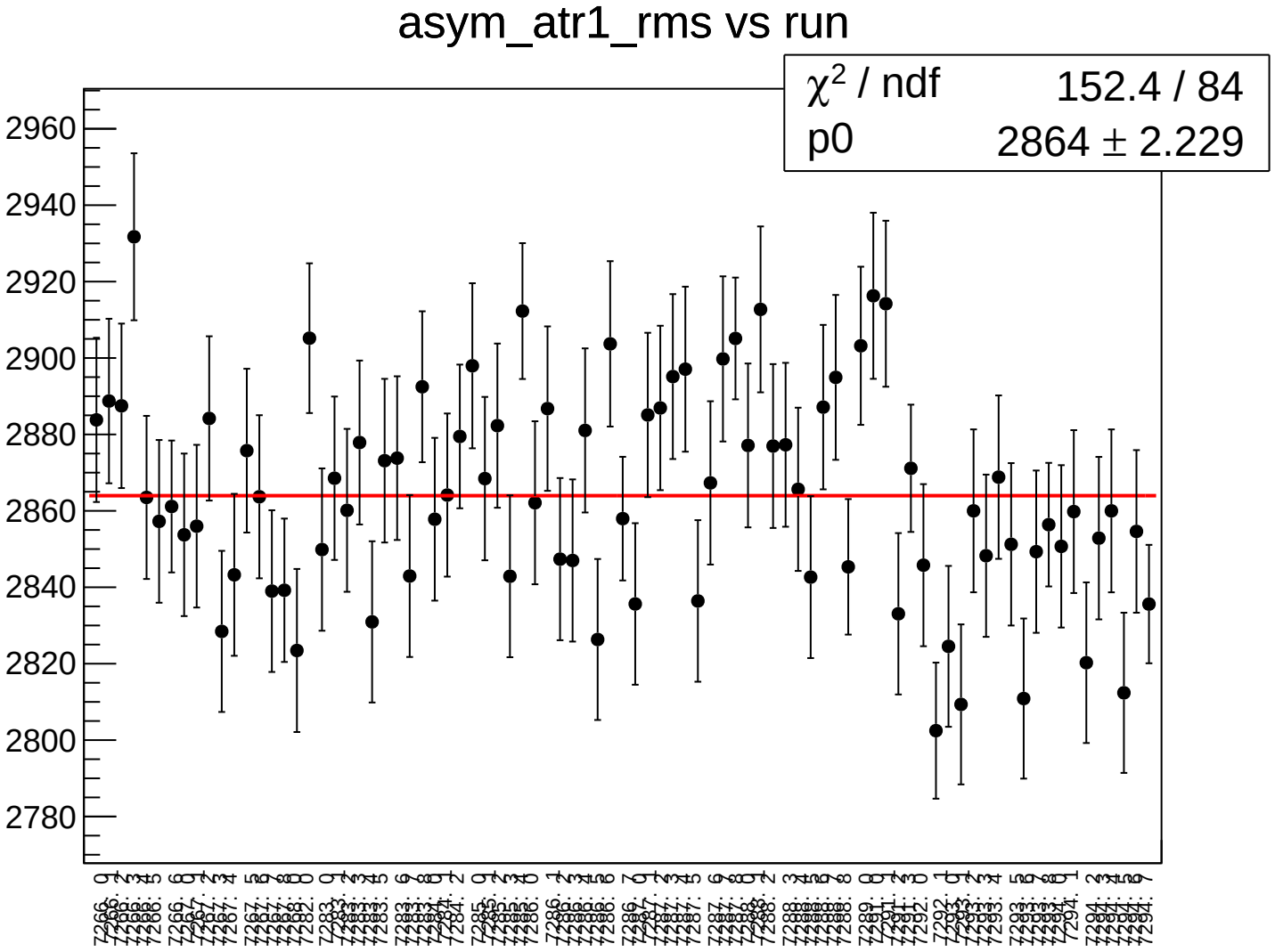

dit_asym_atr1_rms vs run
χ² / ndf 83.7 / 84
p0 2781 ± 2.165
2840
2820
2800
2780
2760
2740
2720

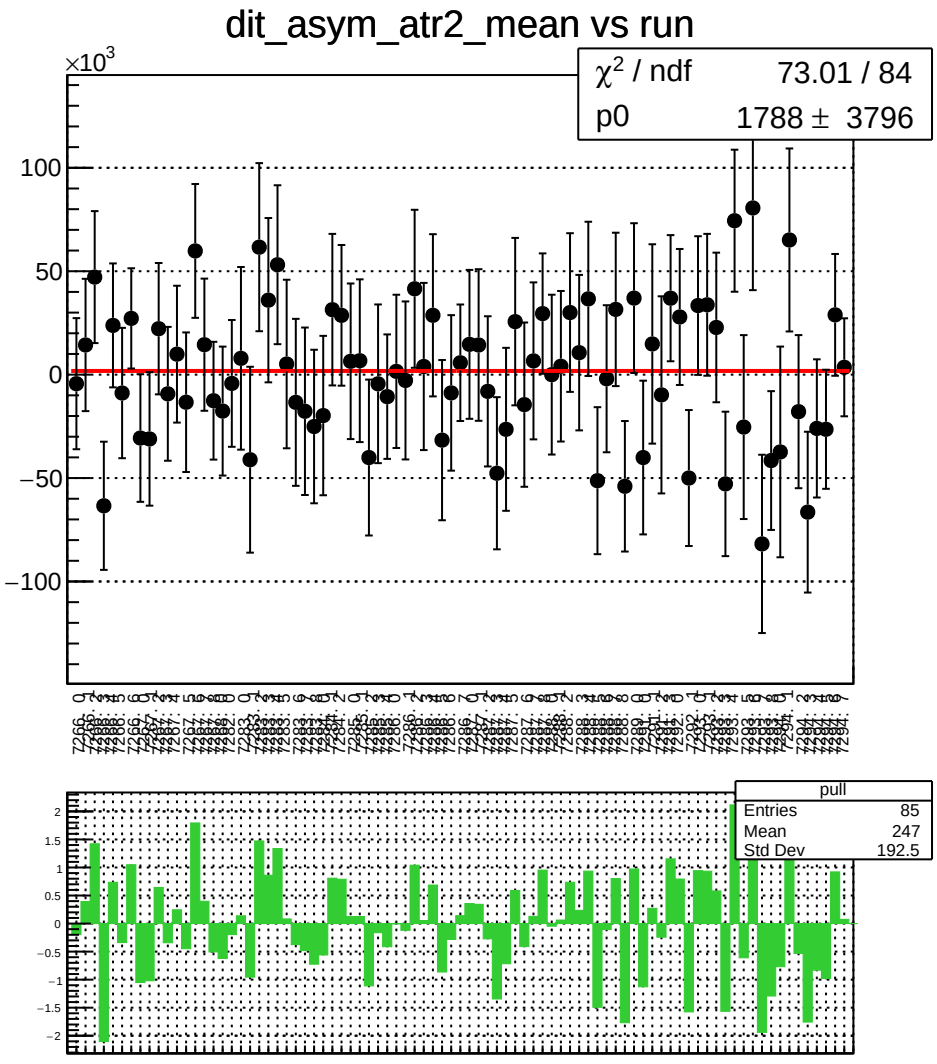

asym_atr1_correction_mean vs run
χ² / ndf 118.5 / 84
p0 −652.2 ± 800.2
pull
Entries 85
Mean 193.6
Std Dev 140.1
pull1D
Entries 85
Mean −0.025
Std Dev 1.181

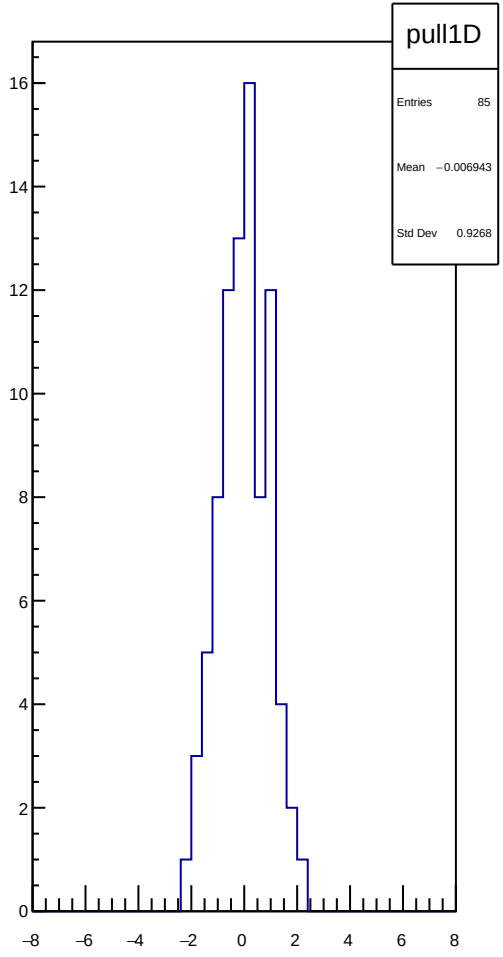

asym_atr1_correction_rms vs run
χ² / ndf 3351 / 84
p0 726.2 ± 0.5658
850
800
750
700
650

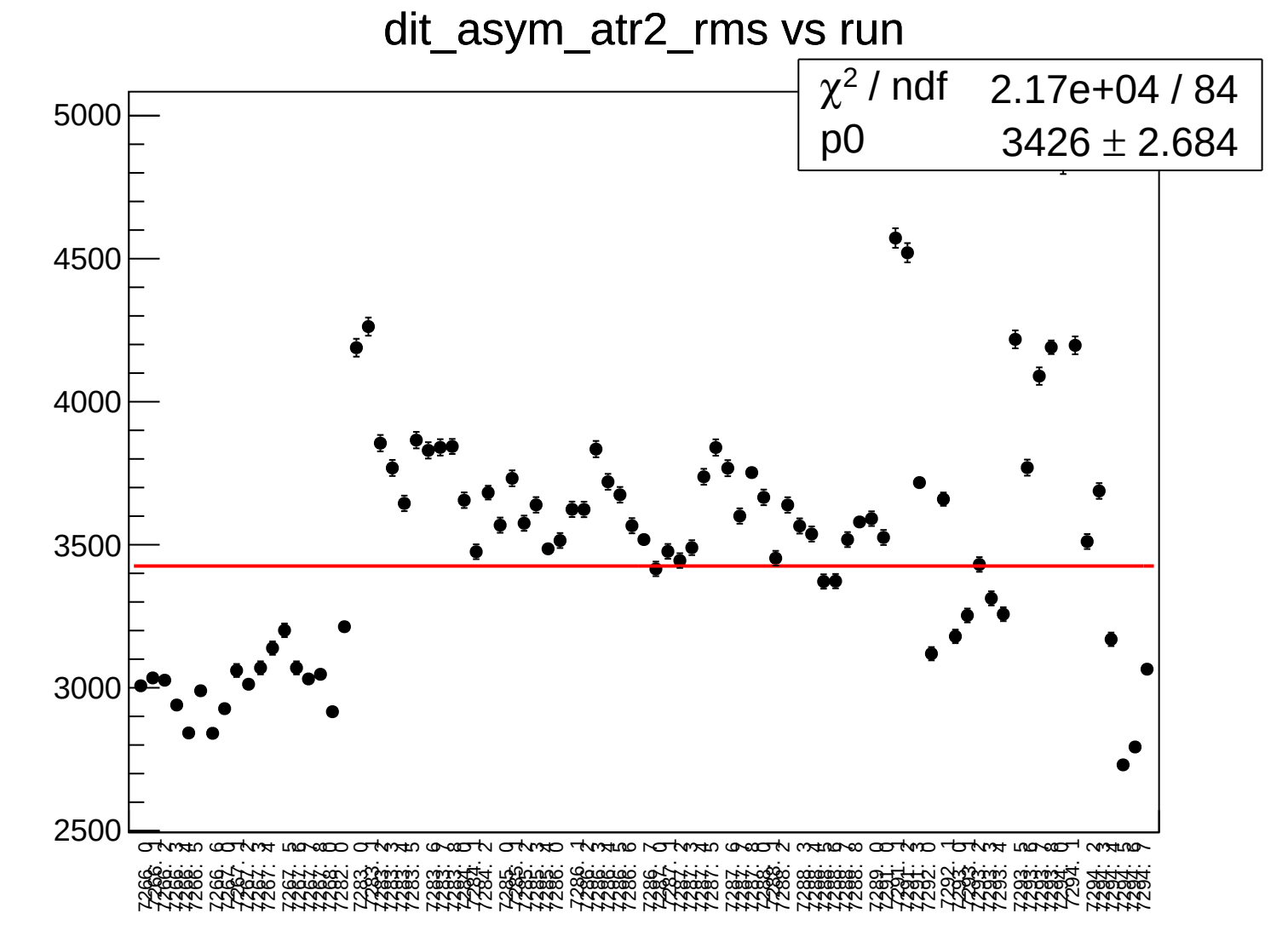

asym_atr1_mean vs run
×10^3
χ² / ndf 85.44 / 84
p0 5139 ± 3153
pull
Entries 85
Mean 29.65
Std Dev 11.26

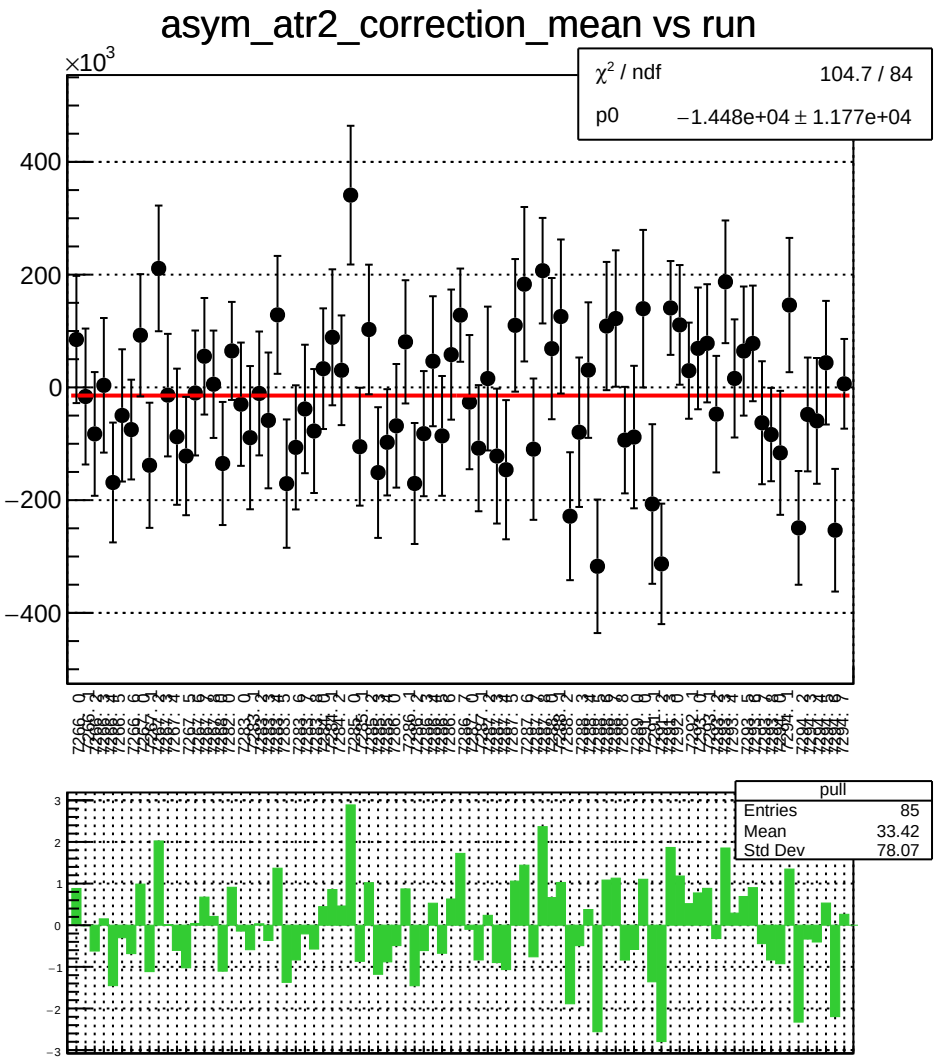

pull1D
Entries 85
Mean 0.01158
Std Dev 1.003

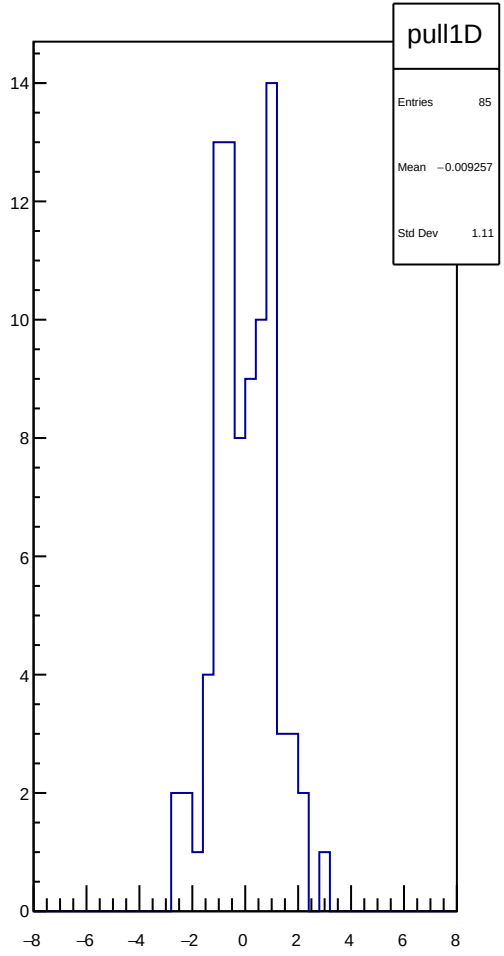

asym_atr1_rms vs run
χ² / ndf 152.4 / 84
p0 2864 ± 2.229
2960
2940
2920
2900
2880
2860
2840
2820
2800
2780


dit_asym_atr2_mean vs run
×10^3
χ² / ndf 73.01 / 84
p0 1788 ± 3796
100
50
0
−50
−100
pull
Entries 85
Mean 247
Std Dev 192.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

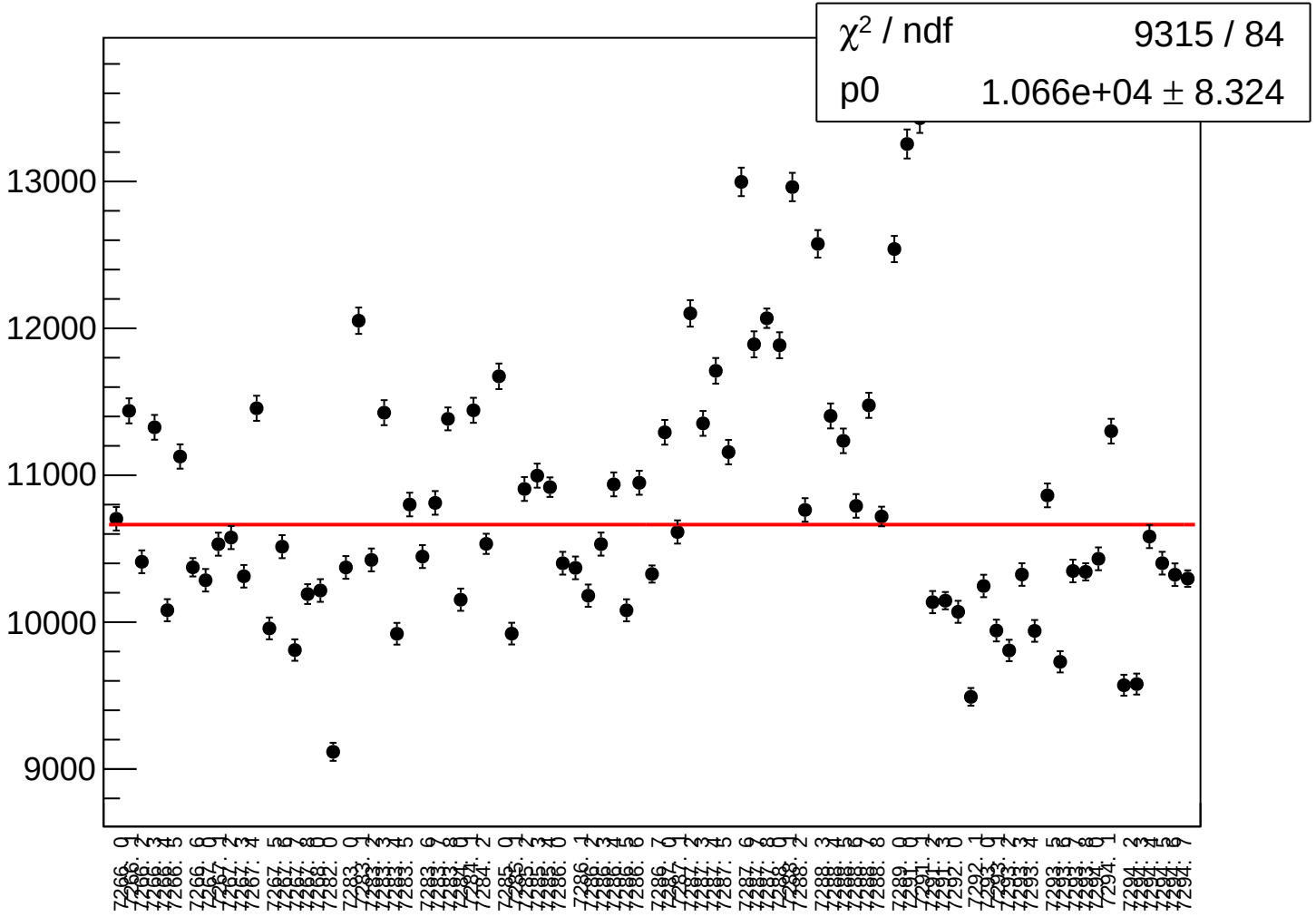

pull1D
Entries 85
Mean −0.006943
Std Dev 0.9268
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

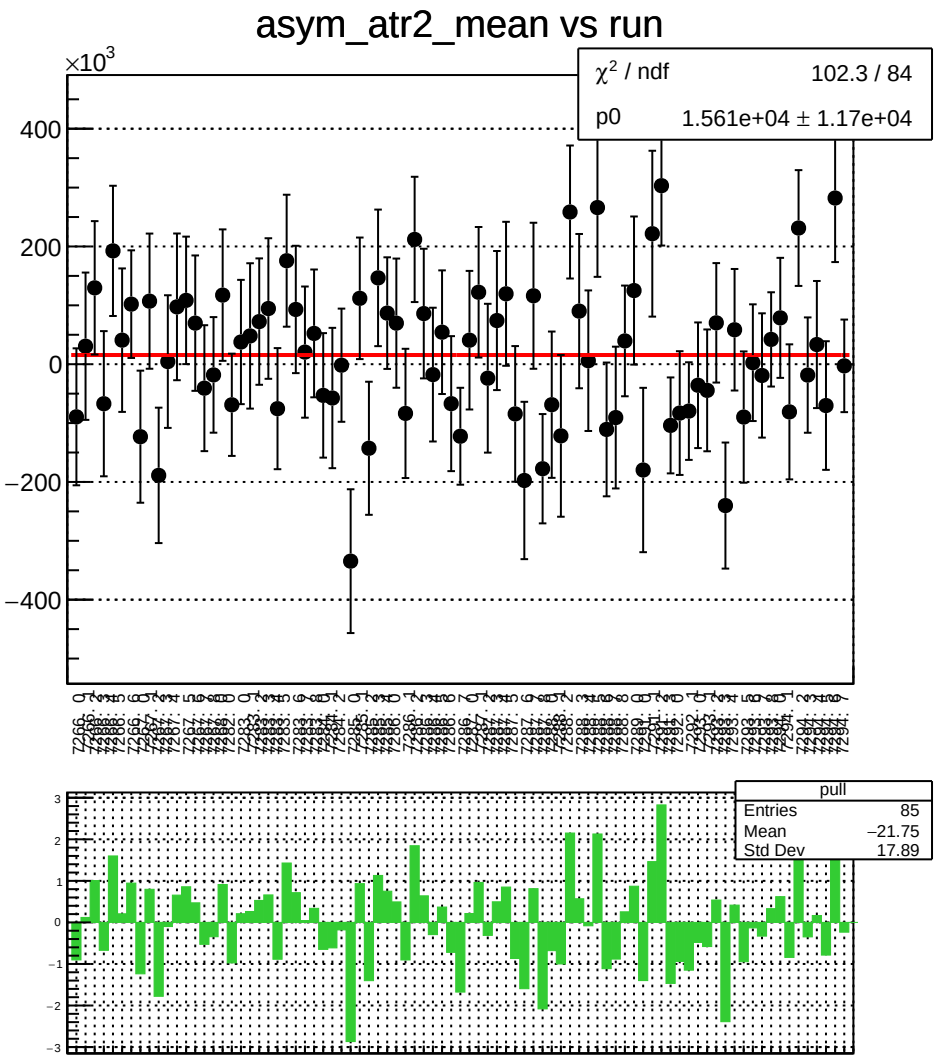

dit_asym_atr2_rms vs run
χ² / ndf 2.17e+04 / 84
p0 3426 ± 2.684
5000
4500
4000
3500
3000
2500

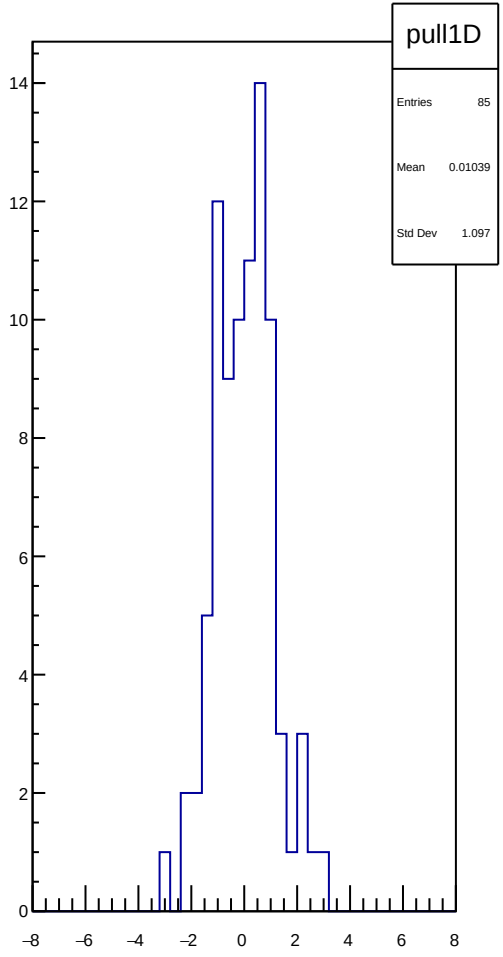

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 104.7 / 84
p0 −1.448e+04 ± 1.177e+04
400
200
0
−200
−400
pull
Entries 85
Mean 33.42
Std Dev 78.07
3
2
1
0
−1
−2
−3


pull1D
Entries 85
Mean −0.009257
Std Dev 1.11
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

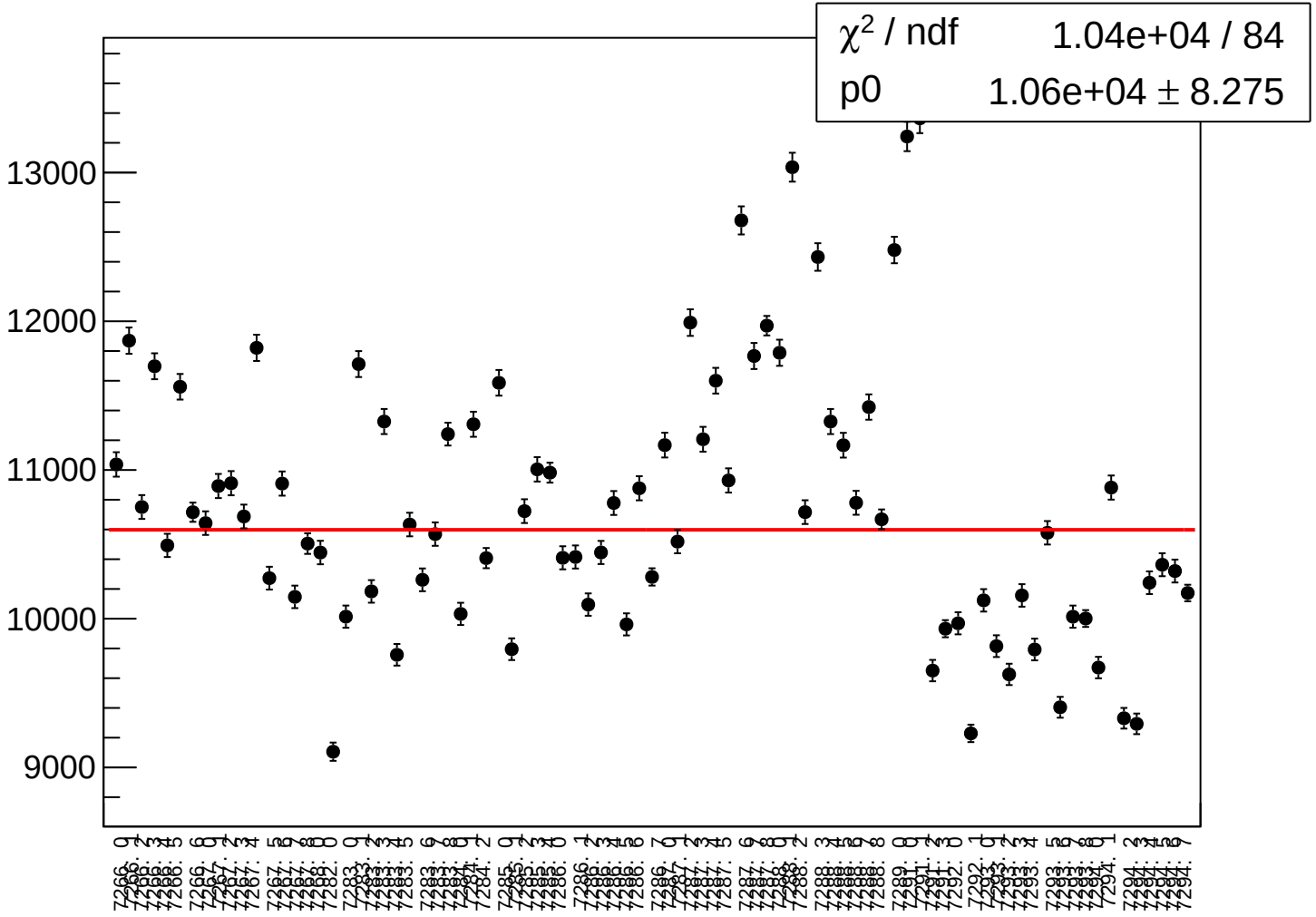
asym_atr2_correction_rms vs run

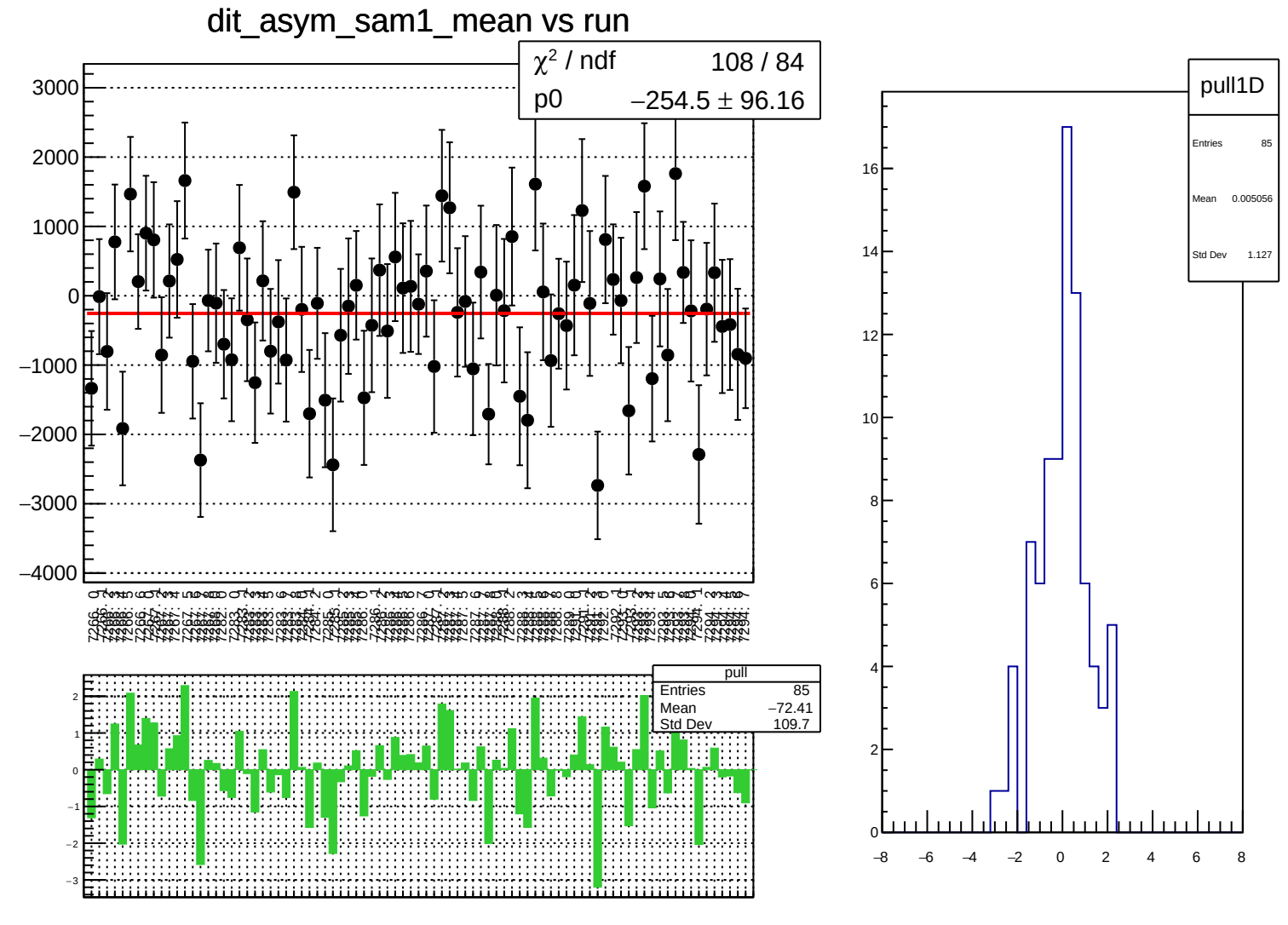


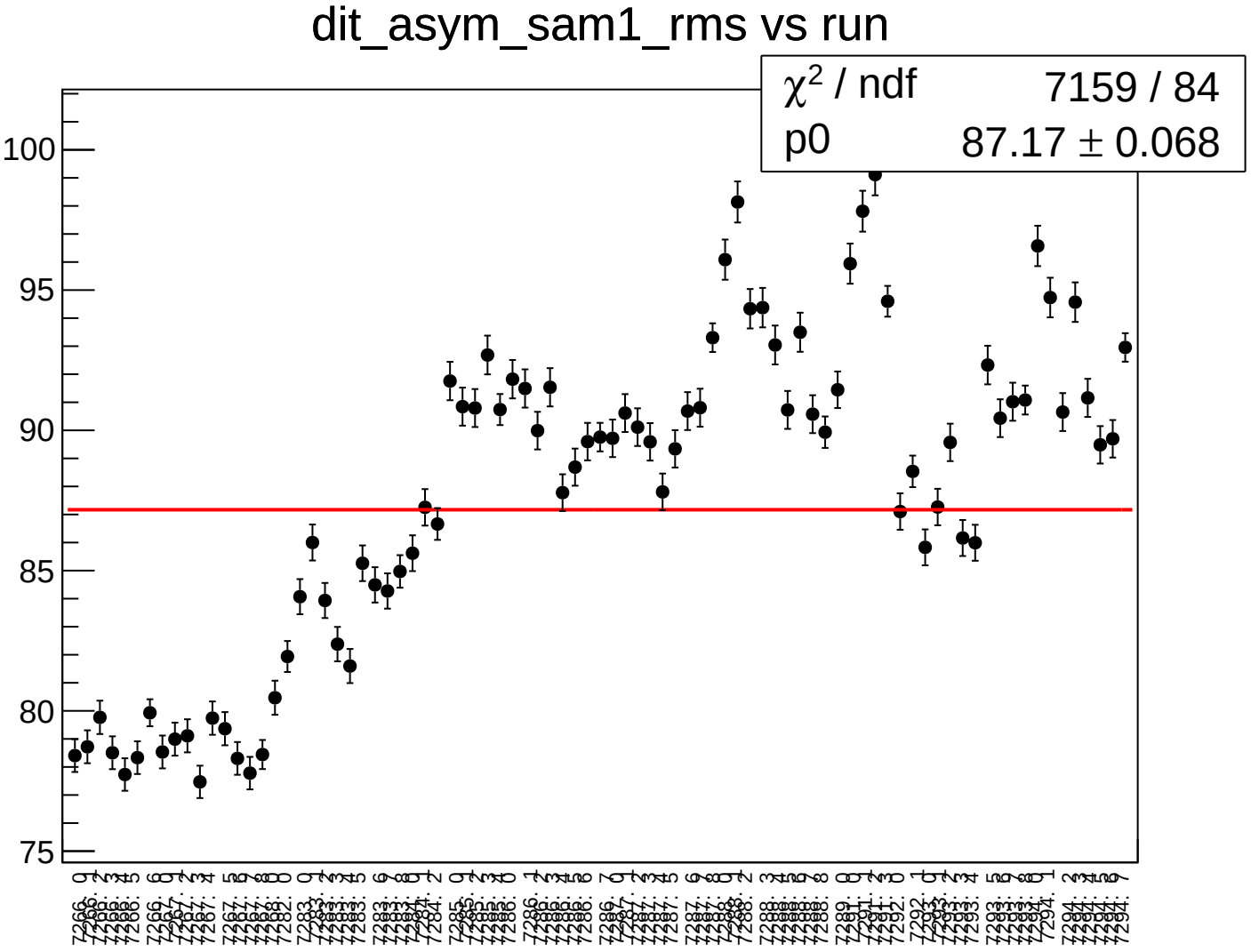

asym_atr2_mean vs run
×10^3
χ² / ndf 102.3 / 84
p0 1.561e+04 ± 1.17e+04
400
200
0
−200
−400
pull
Entries 85
Mean −21.75
Std Dev 17.89
3
2
1
0
−1
−2
−3

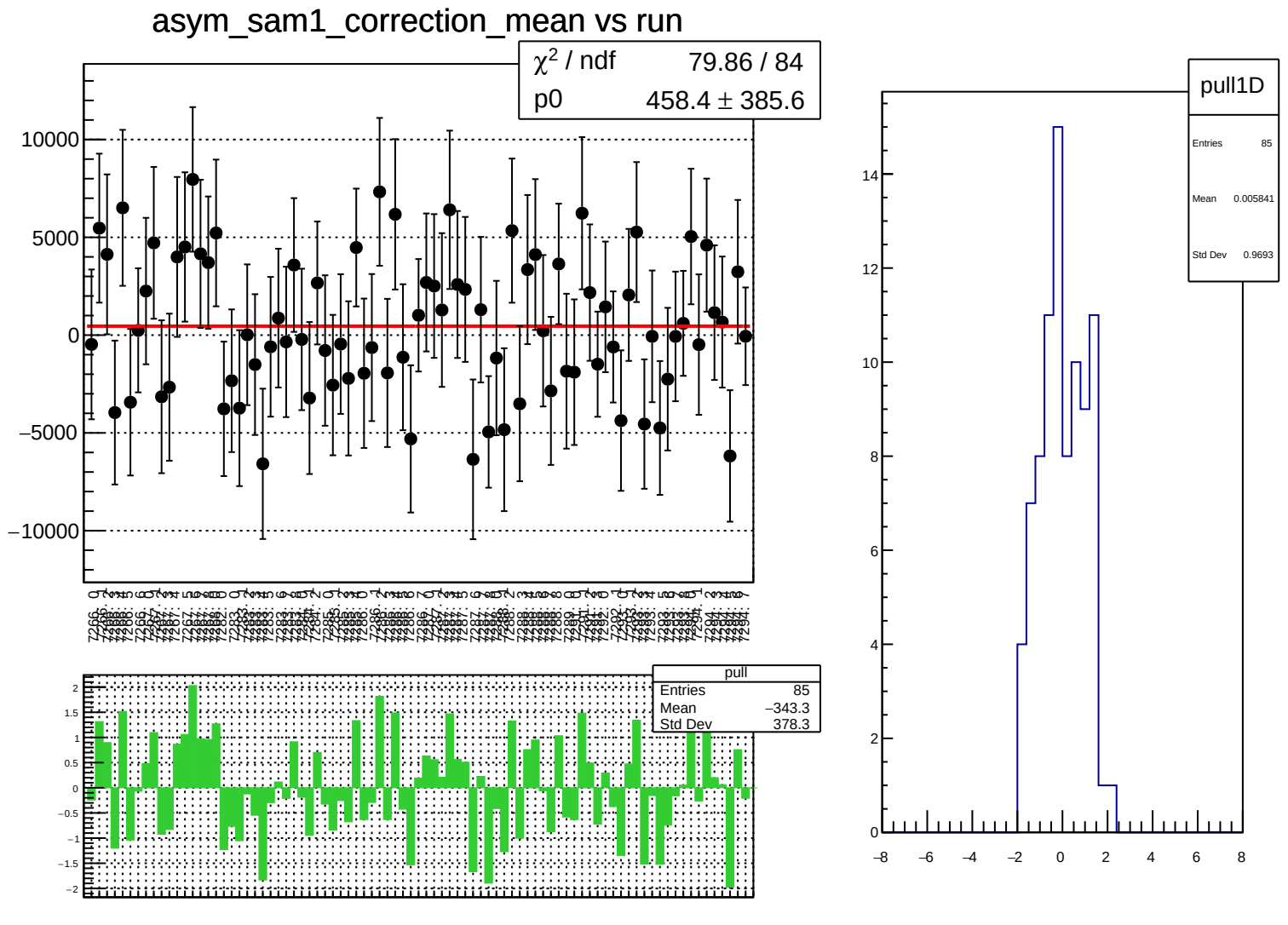

pull1D
Entries 85
Mean 0.01039
Std Dev 1.097
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr2_rms vs run

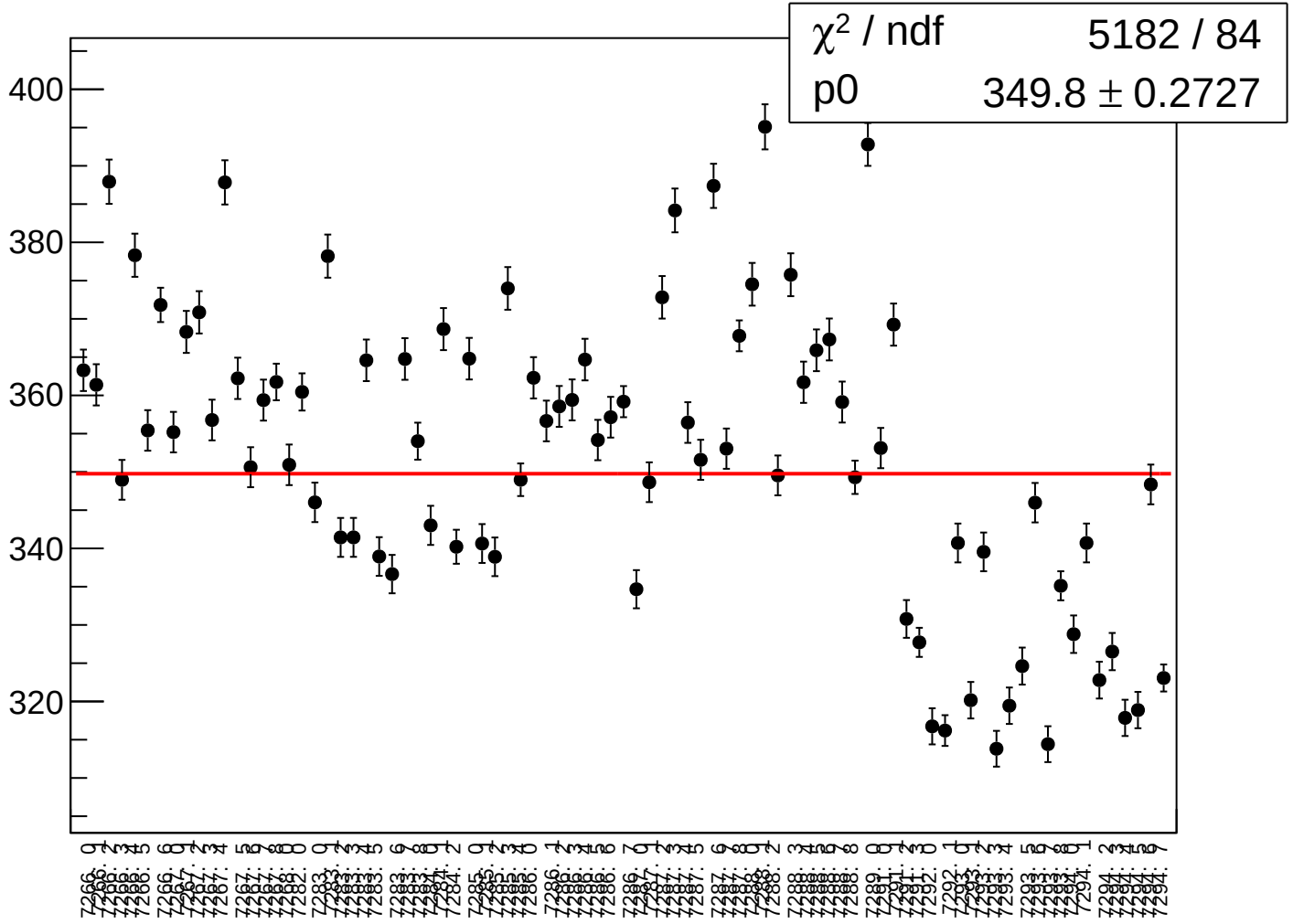


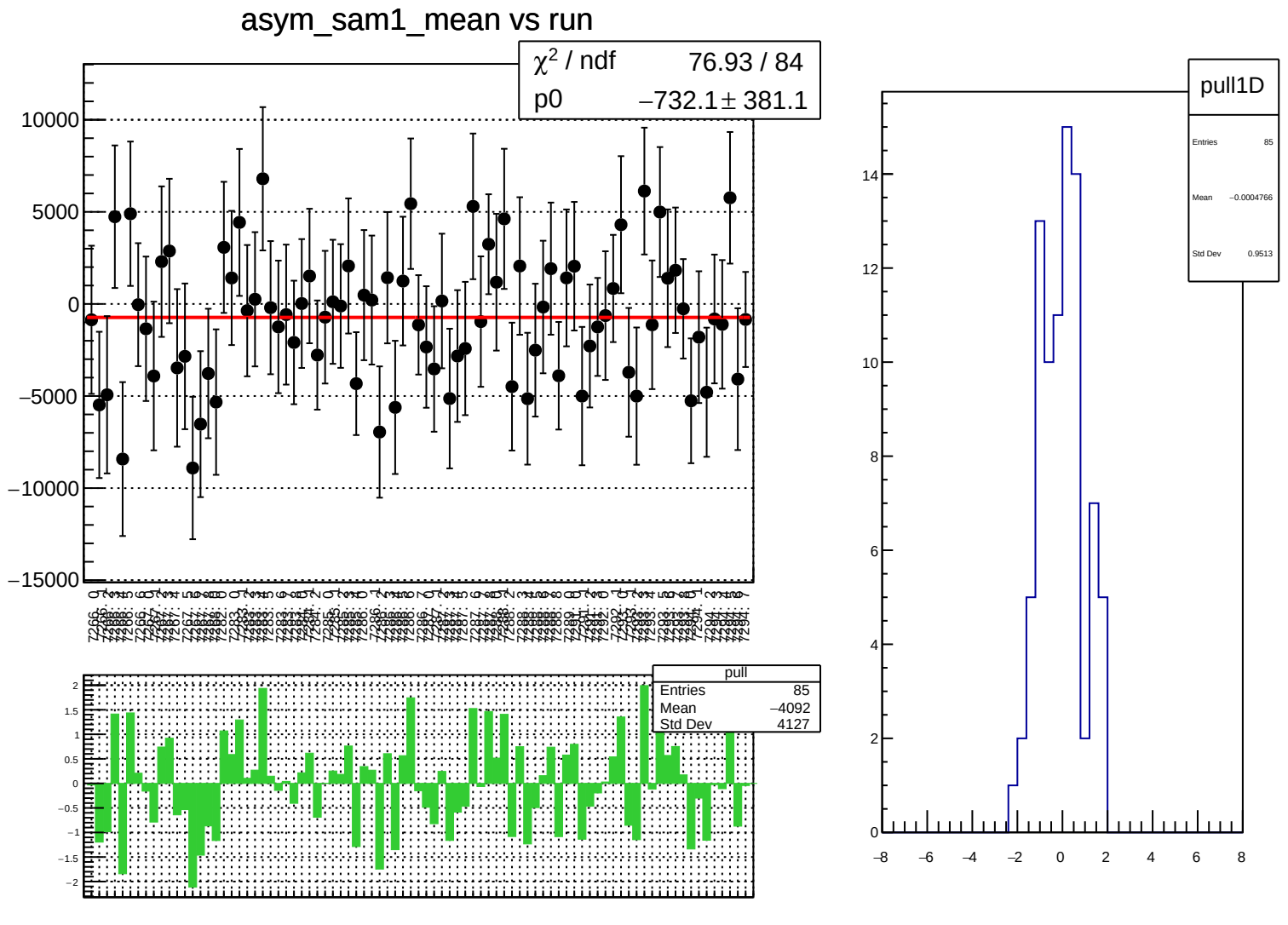

dit_asym_sam1_mean vs run
χ² / ndf 108 / 84
p0 −254.5 ± 96.16
pull
Entries 85
Mean −72.41
Std Dev 109.7
pull1D
Entries 85
Mean 0.005056
Std Dev 1.127


dit_asym_sam1_rms vs run
χ² / ndf 7159 / 84
p0 87.17 ± 0.068
100
95
90
85
80
75

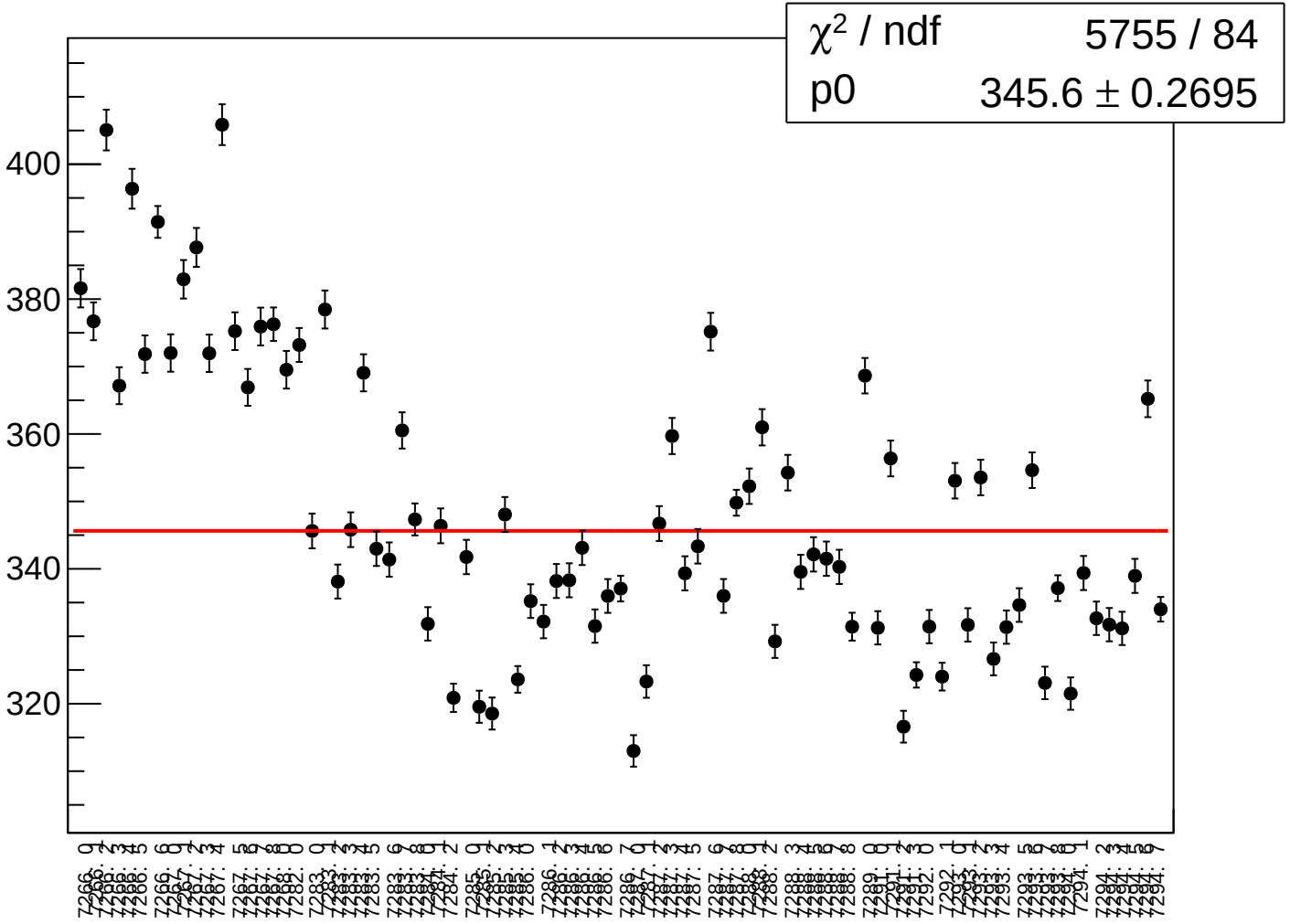

asym_sam1_correction_mean vs run
χ² / ndf 79.86 / 84
p0 458.4 ± 385.6
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −343.3
Std Dev 378.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean 0.005841
Std Dev 0.9693
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

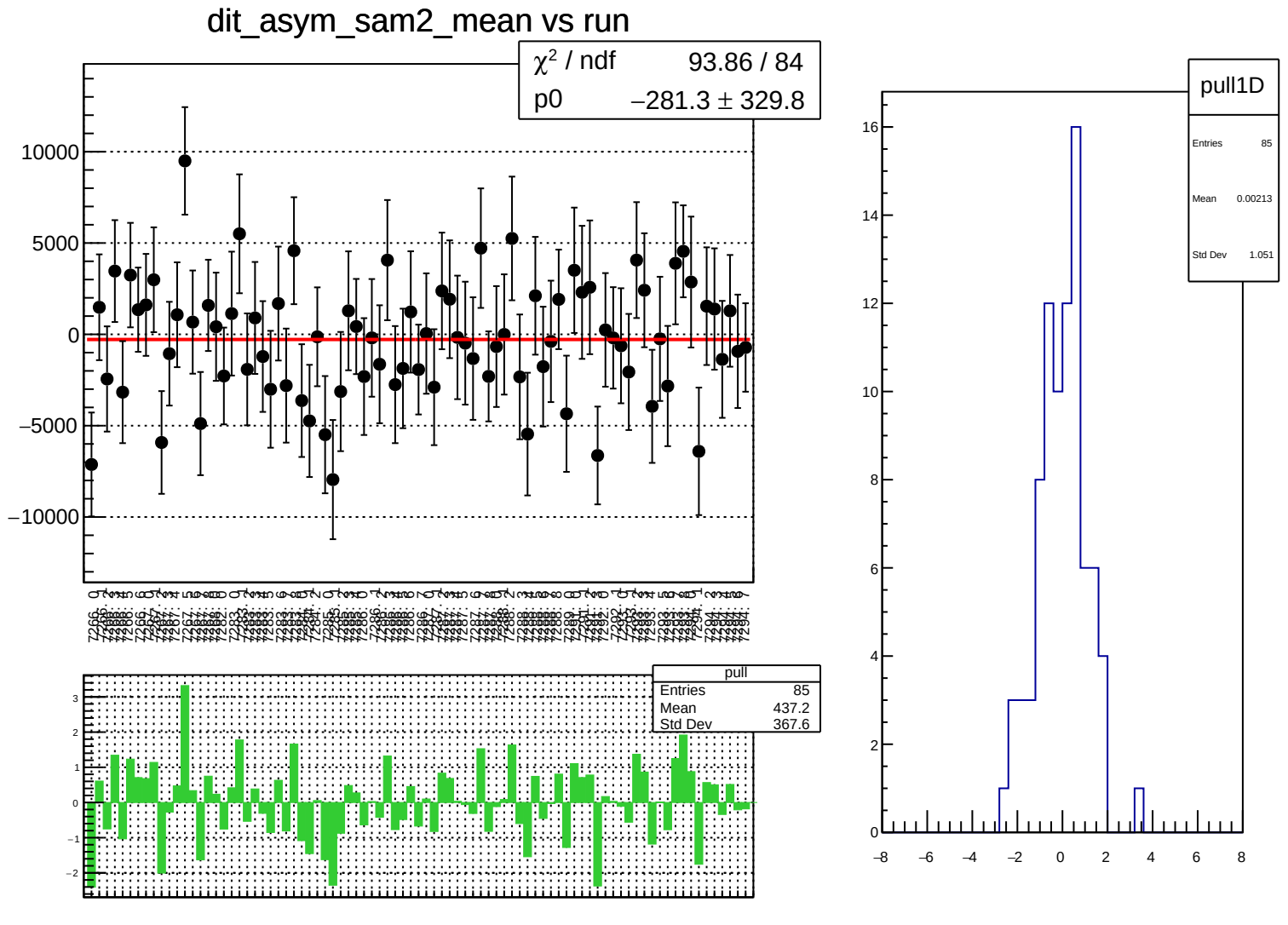
asym_sam1_correction_rms vs run



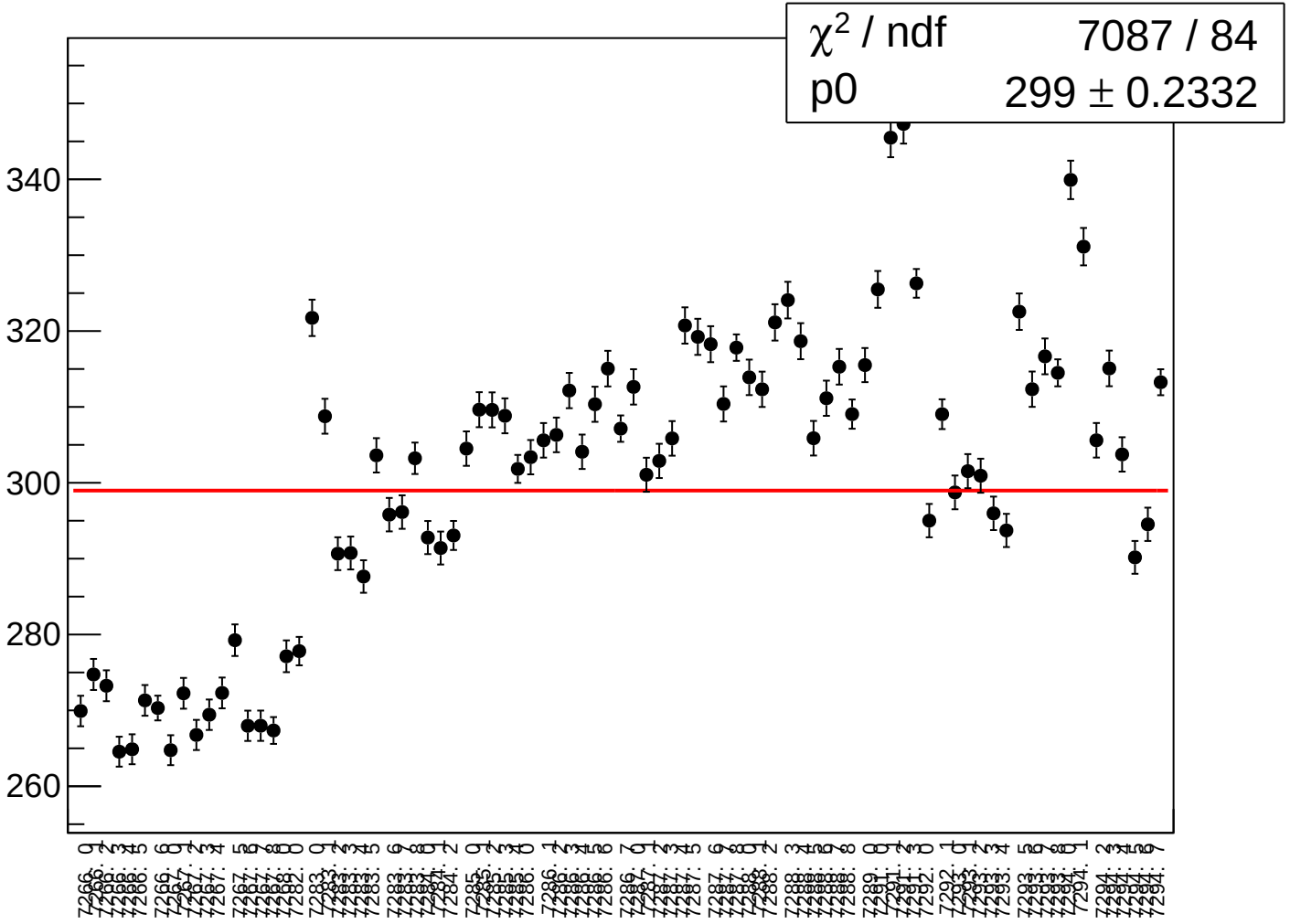

asym_sam1_mean vs run
χ^2 / ndf 76.93 / 84
p0 −732.1 ± 381.1
pull
Entries 85
Mean −4092
Std Dev 4127
pull1D
Entries 85
Mean −0.0004766
Std Dev 0.9513

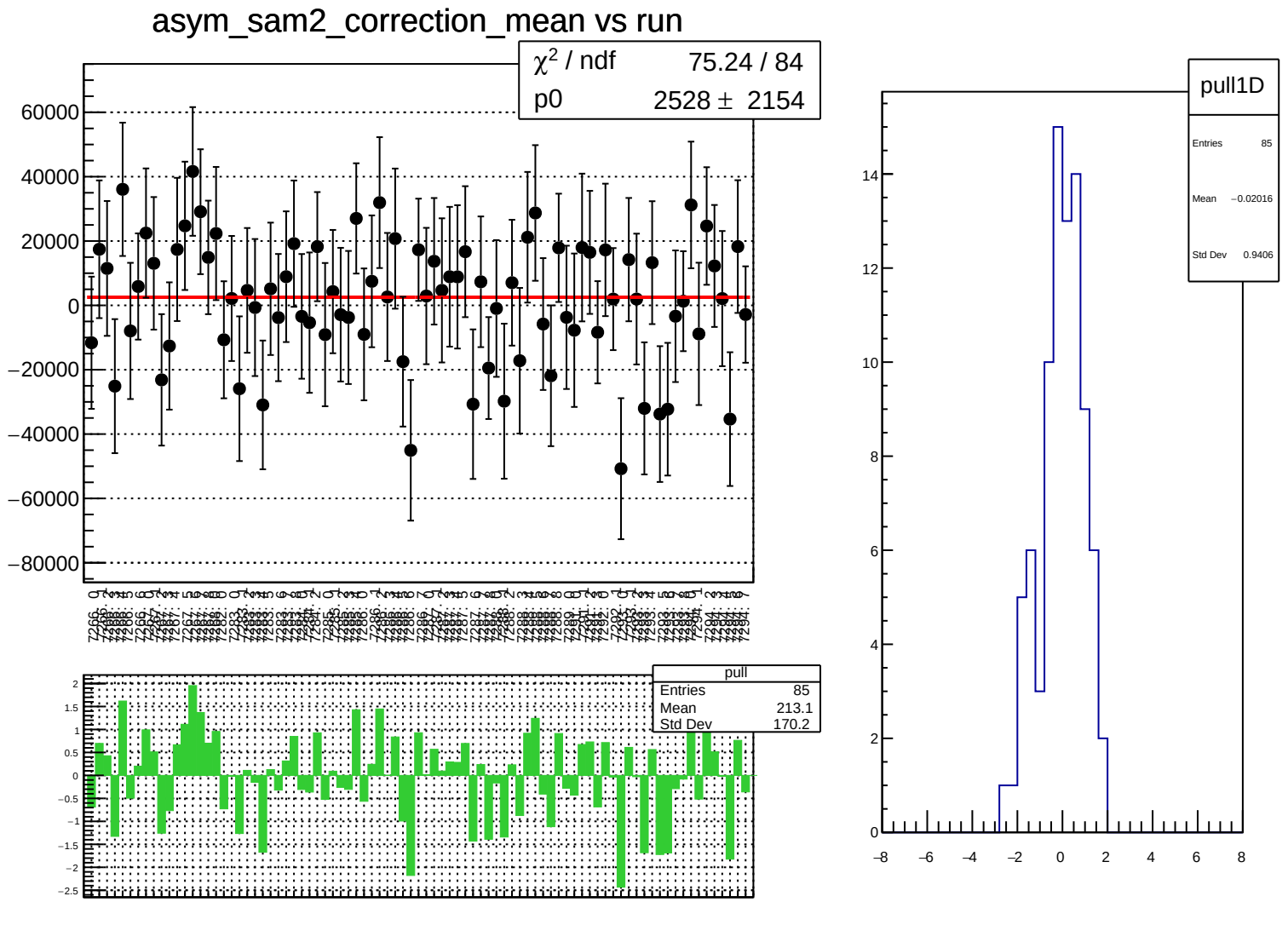
asym_sam1_rms vs run



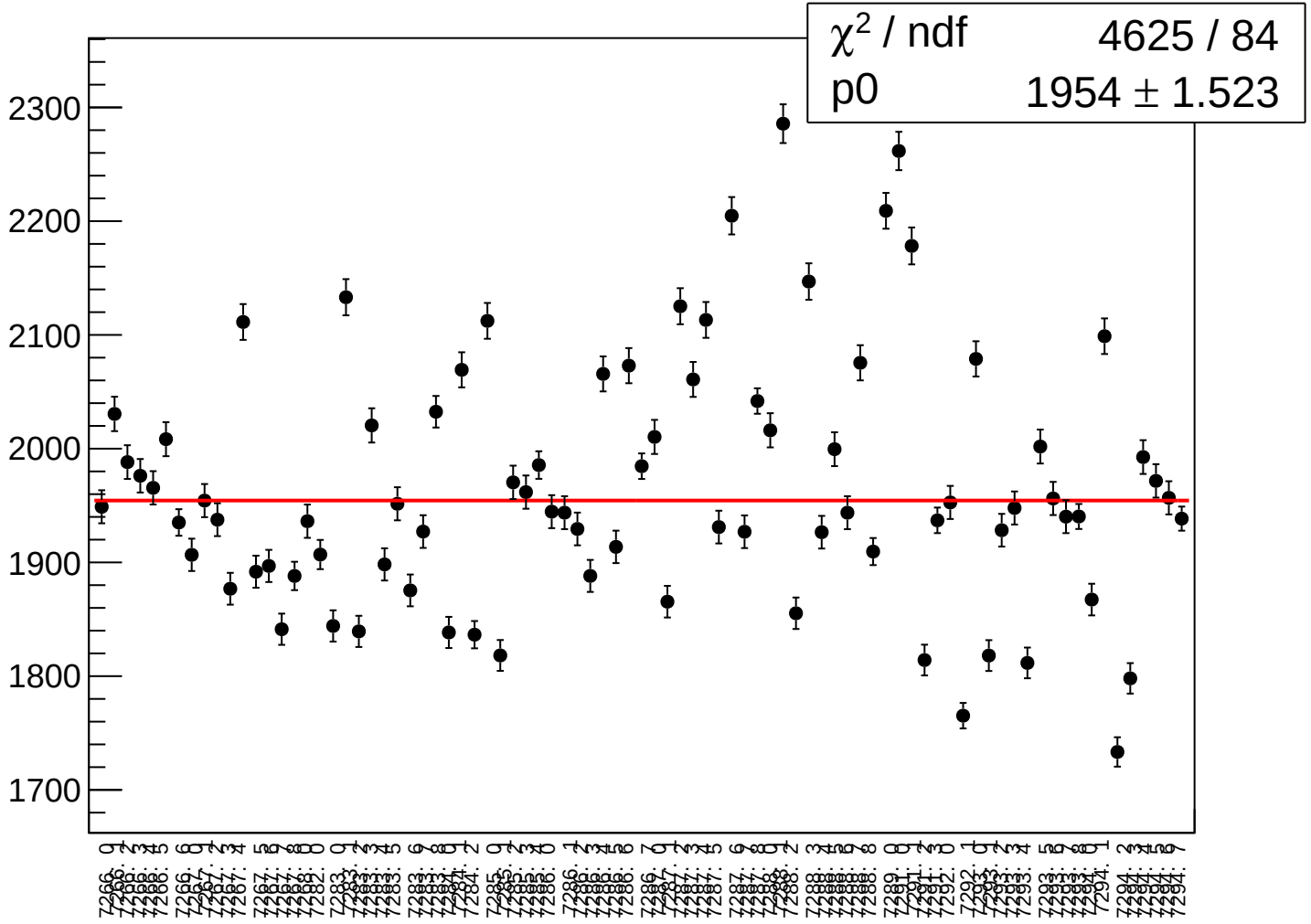

dit_asym_sam2_mean vs run
χ² / ndf 93.86 / 84
p0 −281.3 ± 329.8
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 437.2
Std Dev 367.6
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.00213
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

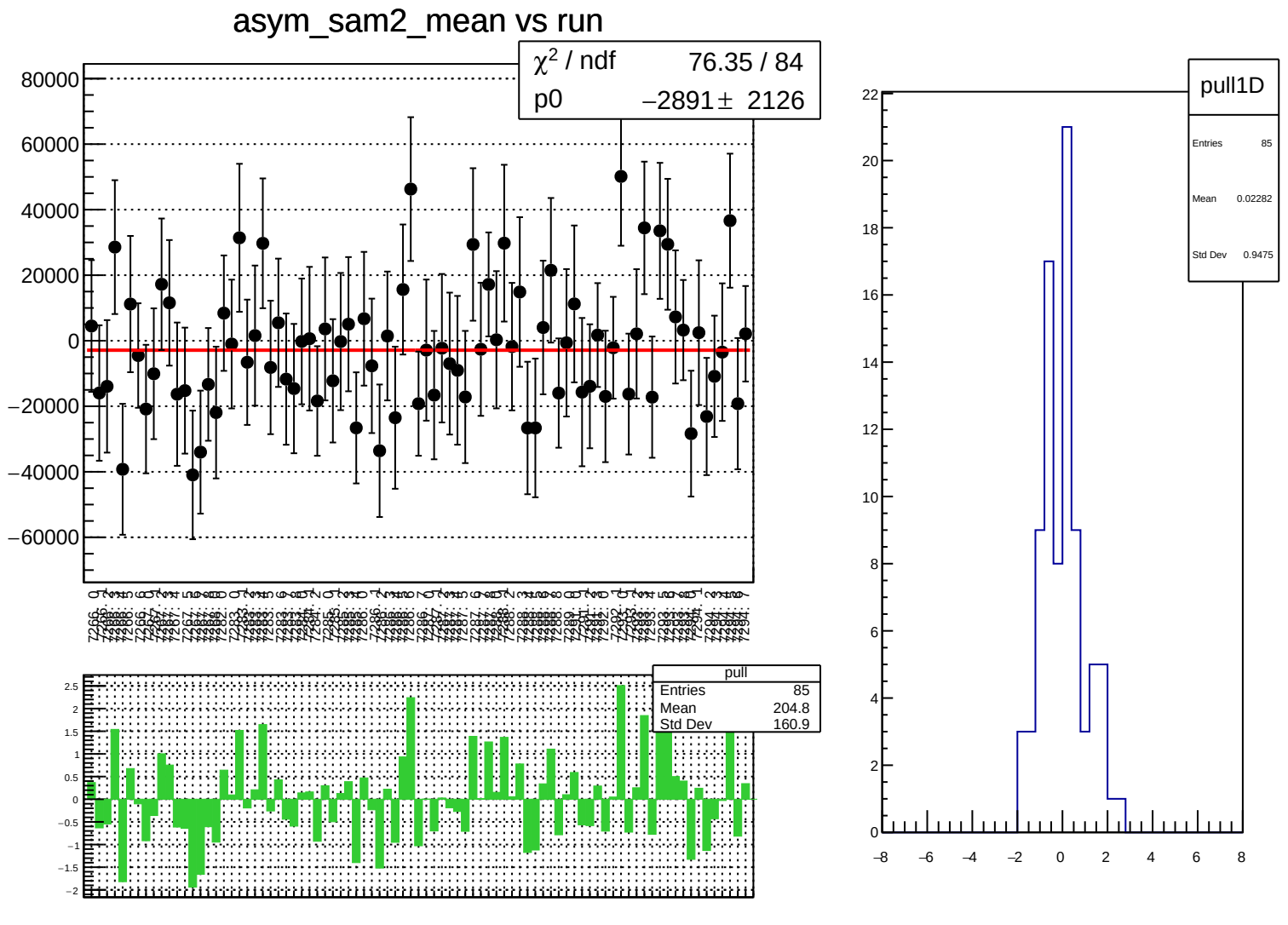
dit_asym_sam2_rms vs run

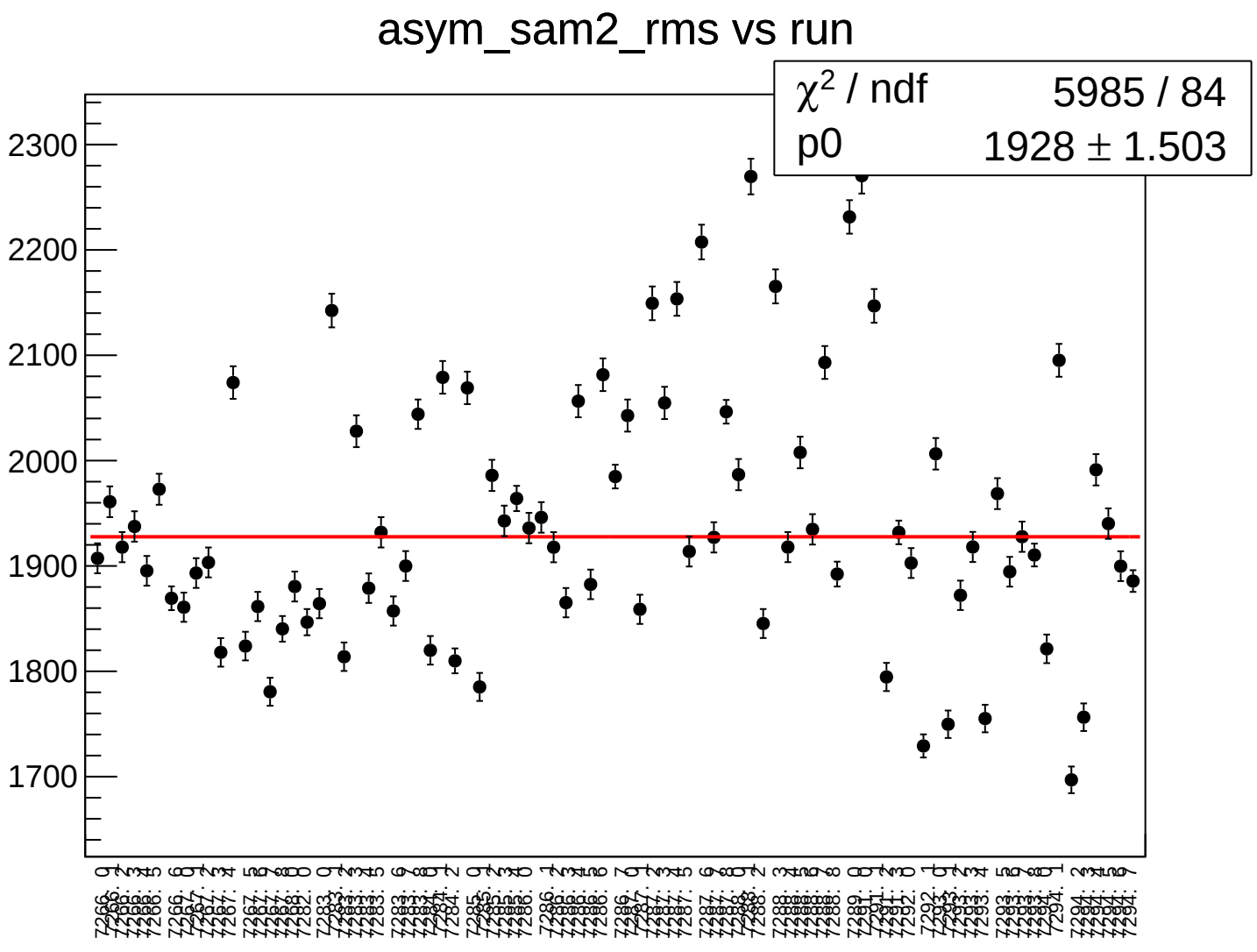


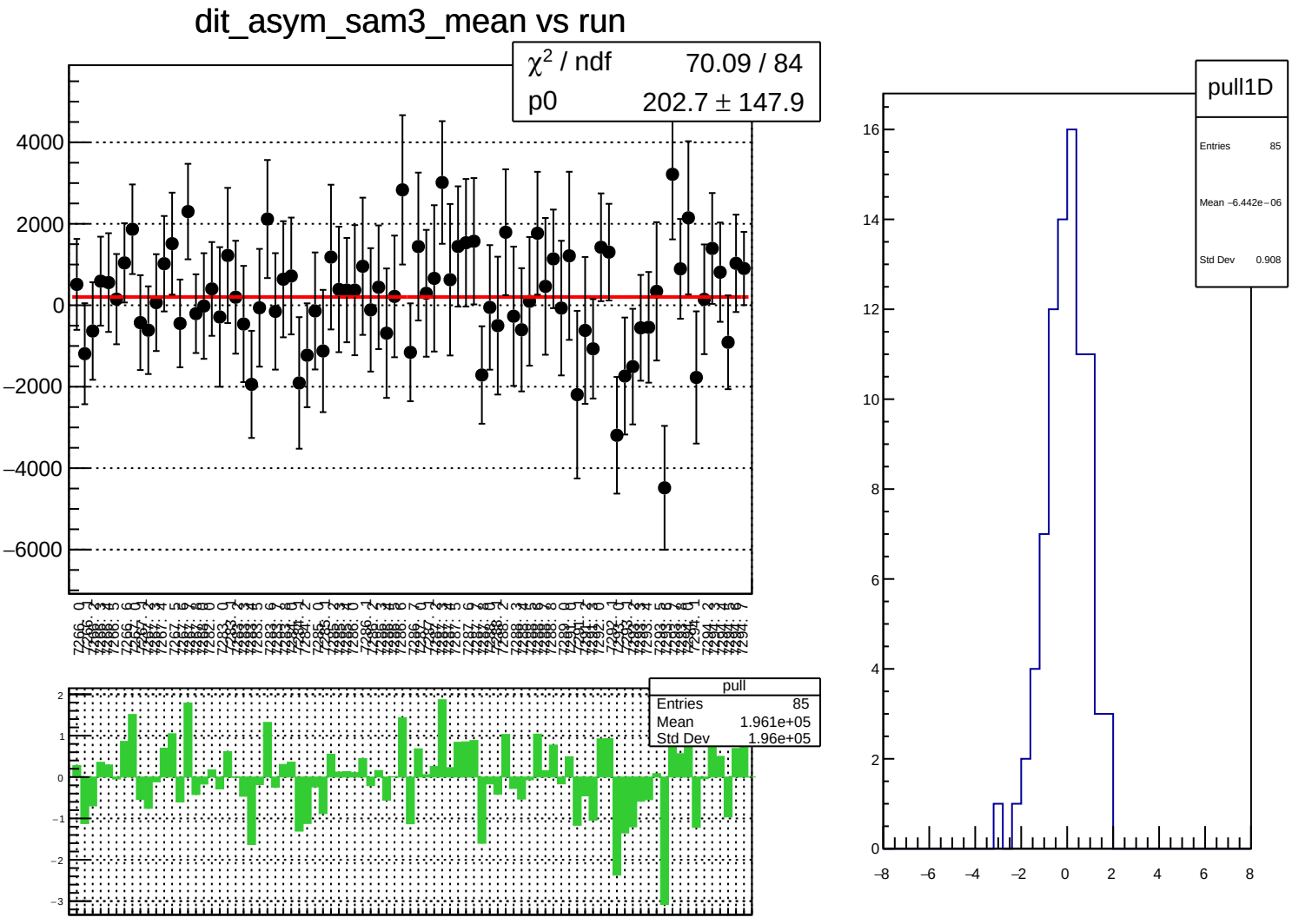

asym_sam2_correction_mean vs run
χ² / ndf 75.24 / 84
p0 2528 ± 2154
pull
Entries 85
Mean 213.1
Std Dev 170.2
pull1D
Entries 85
Mean −0.02016
Std Dev 0.9406

asym_sam2_correction_rms vs run

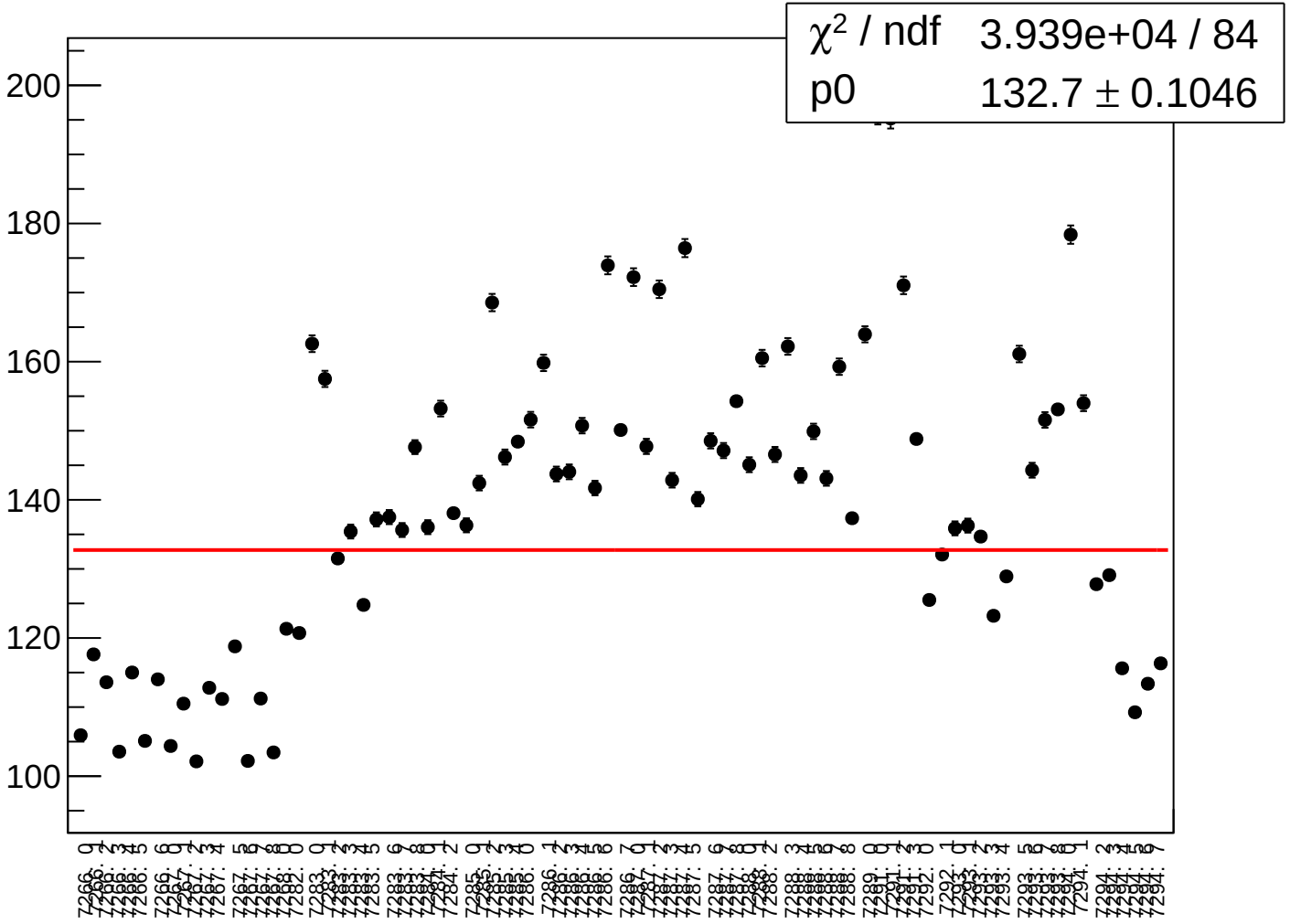


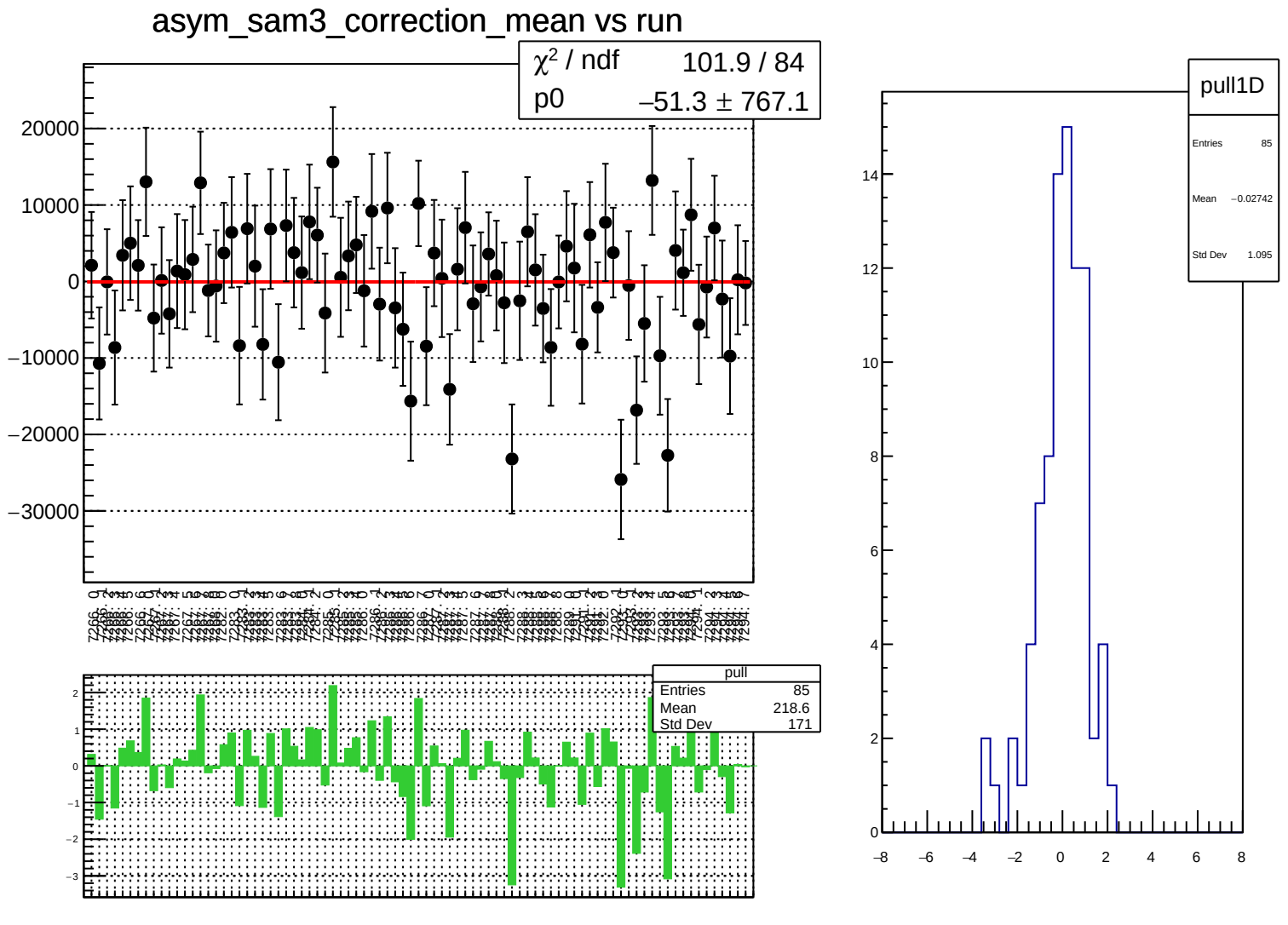

asym_sam2_mean vs run
χ² / ndf 76.35 / 84
p0 −2891 ± 2126
pull
Entries 85
Mean 204.8
Std Dev 160.9
pull1D
Entries 85
Mean 0.02282
Std Dev 0.9475

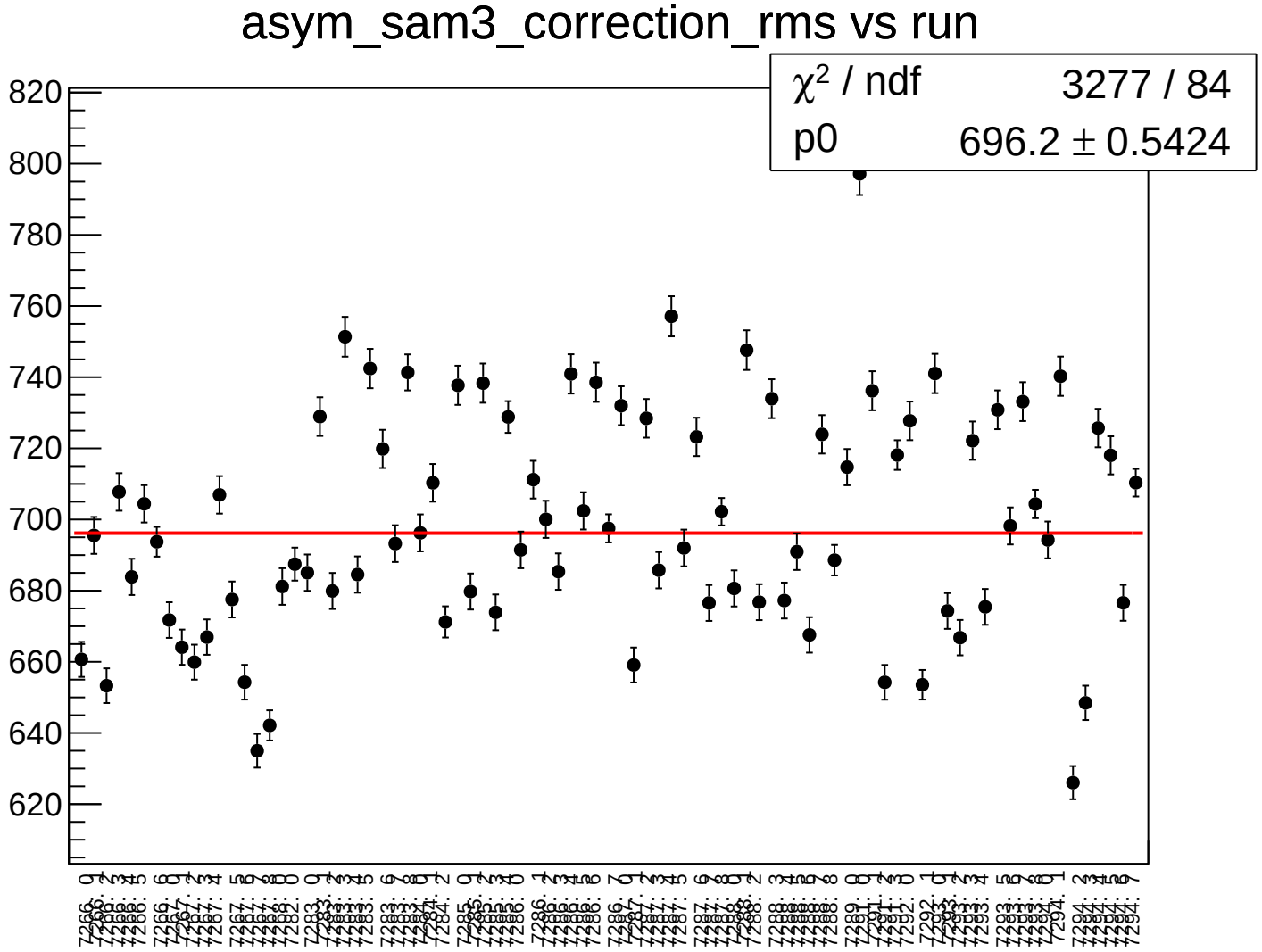

asym_sam2_rms vs run
χ² / ndf 5985 / 84
p0 1928 ± 1.503
2300
2200
2100
2000
1900
1800
1700

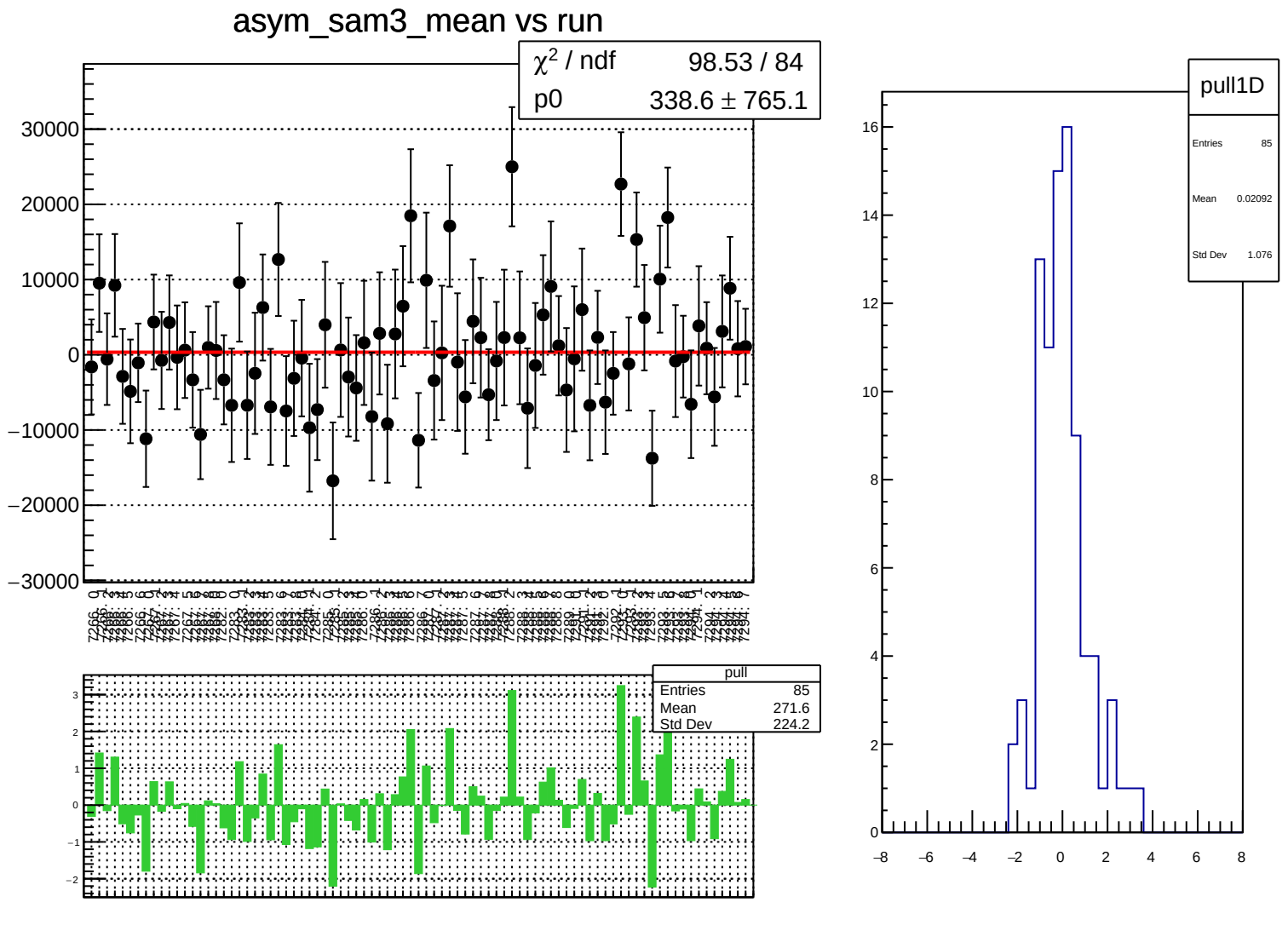

dit_asym_sam3_mean vs run
χ² / ndf 70.09 / 84
p0 202.7 ± 147.9
pull
Entries 85
Mean 1.961e+05
Std Dev 1.96e+05
pull1D
Entries 85
Mean −6.442e−06
Std Dev 0.908

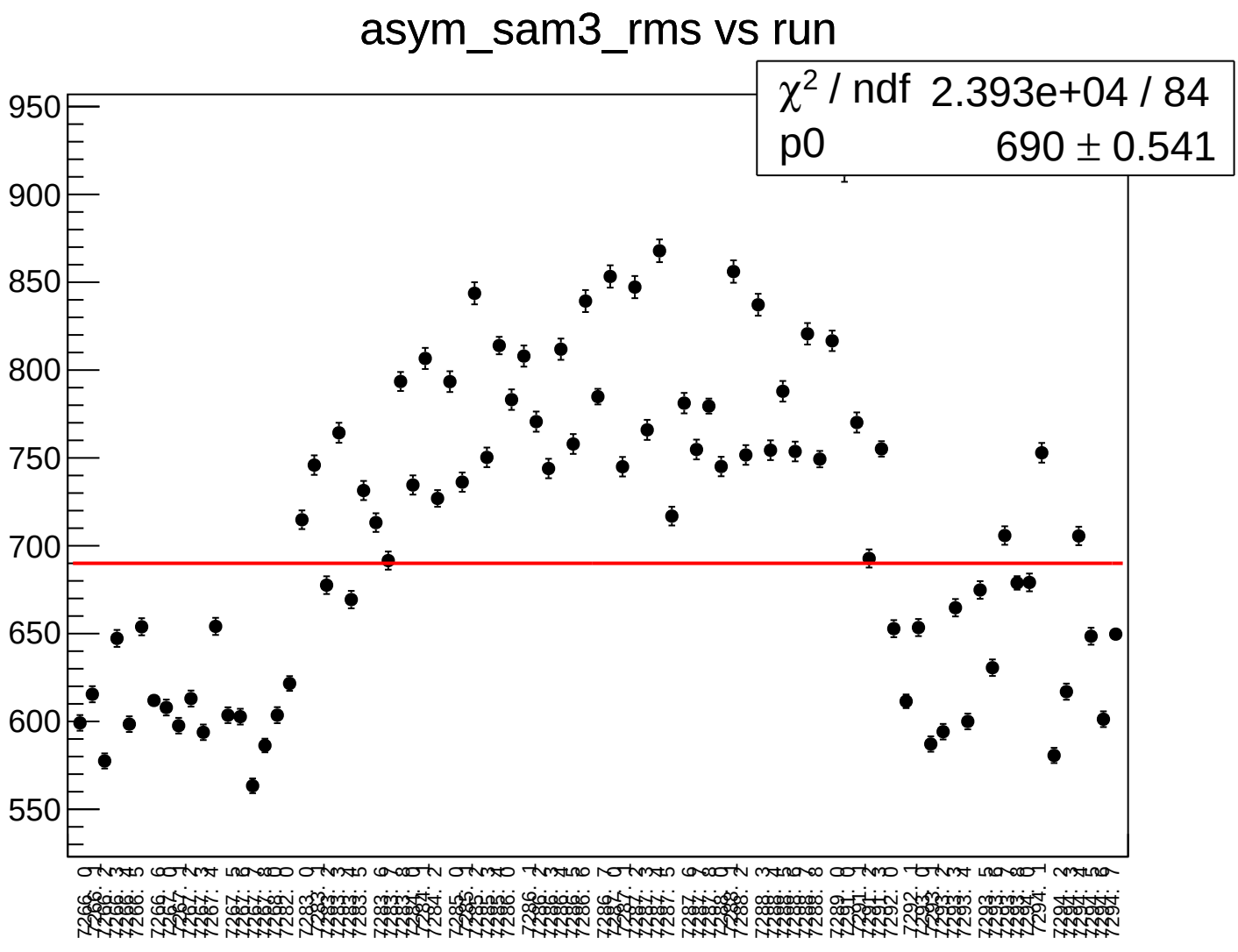
dit_asym_sam3_rms vs run

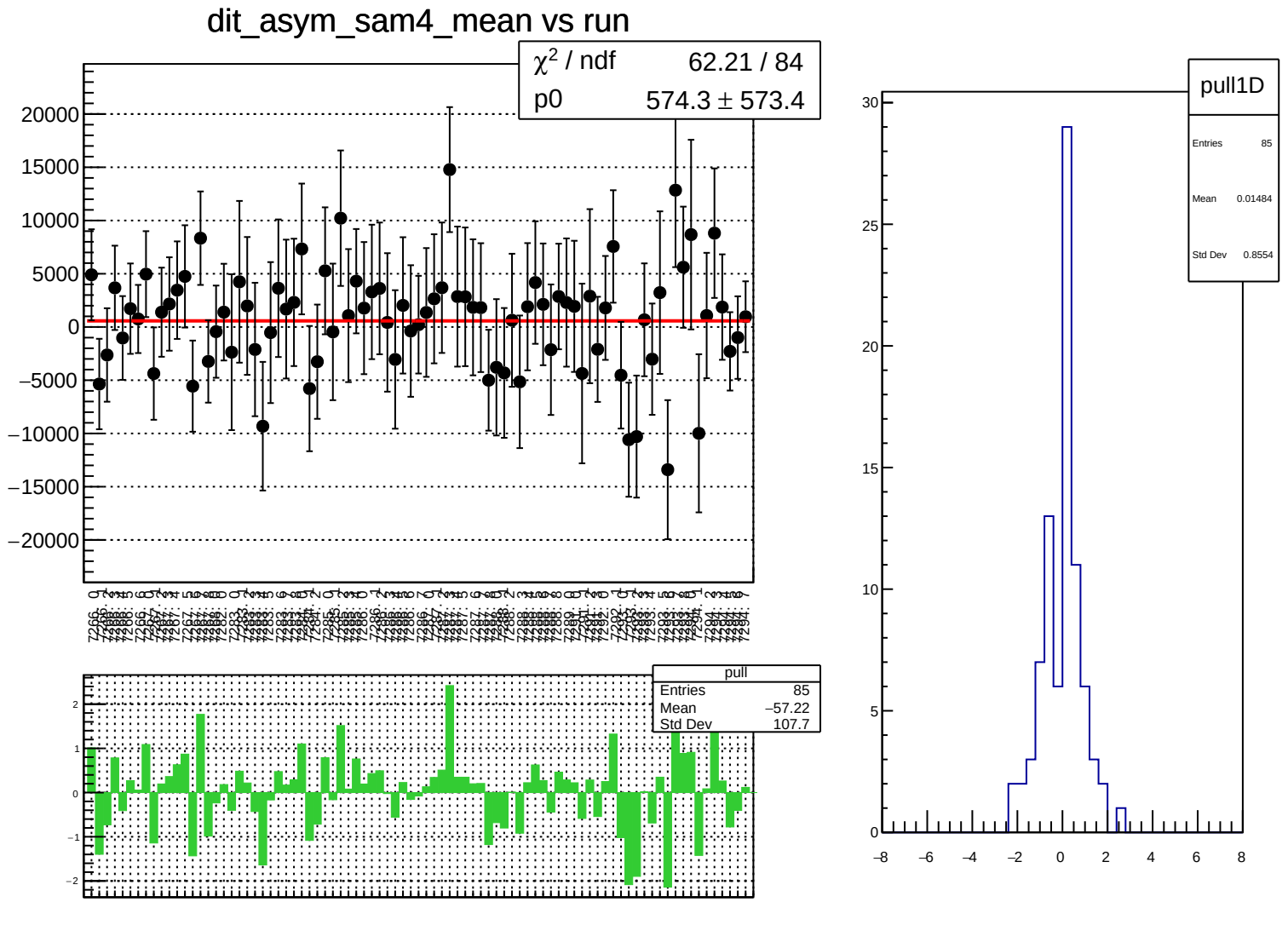


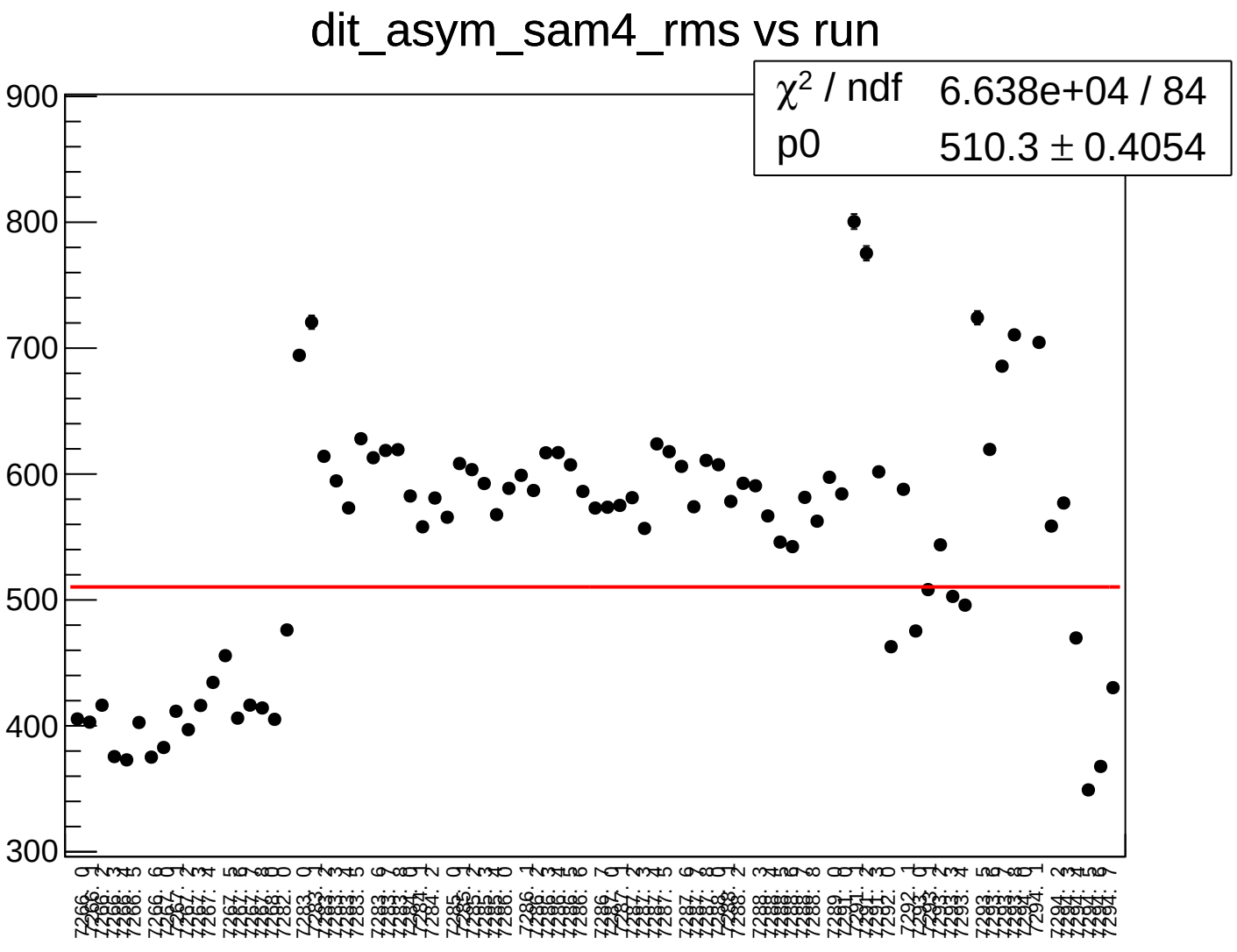

asym_sam3_correction_mean vs run
χ² / ndf 101.9 / 84
p0 −51.3 ± 767.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 218.6
Std Dev 171
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.02742
Std Dev 1.095
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

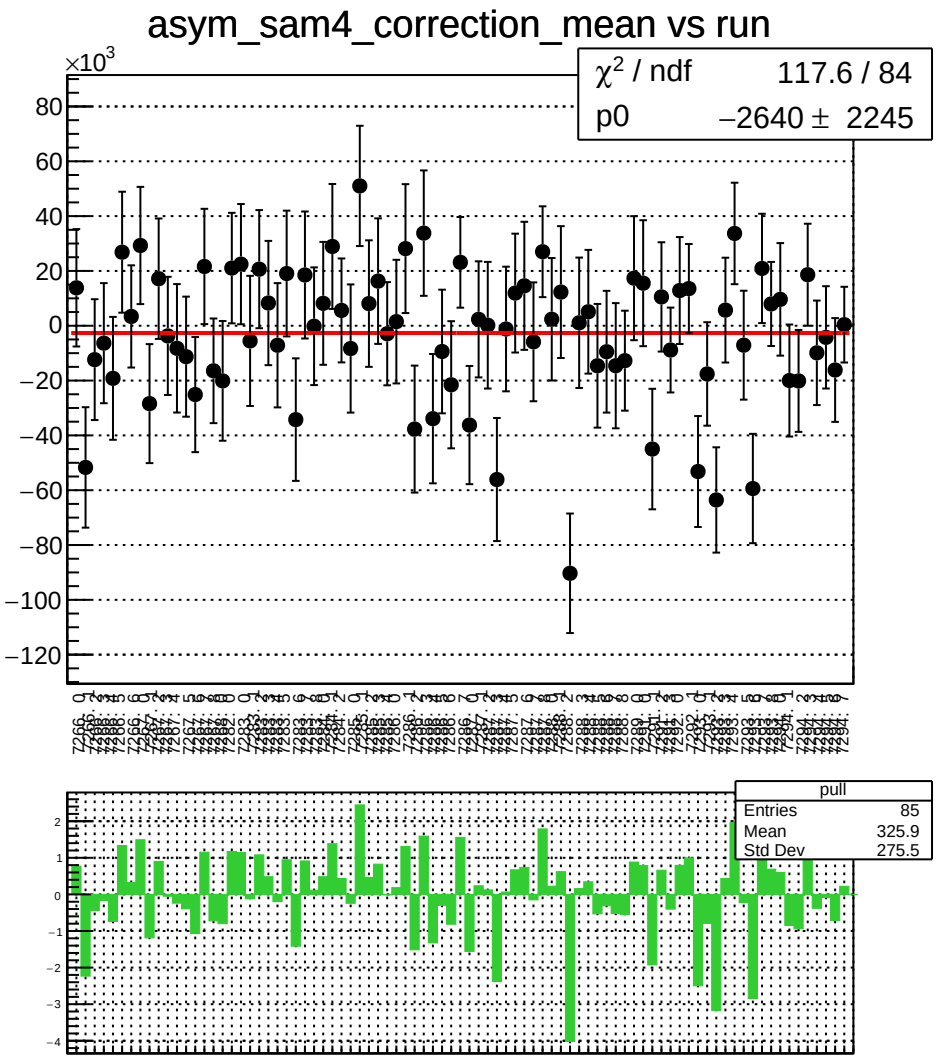

asym_sam3_correction_rms vs run
χ² / ndf 3277 / 84
p0 696.2 ± 0.5424
820
800
780
760
740
720
700
680
660
640
620

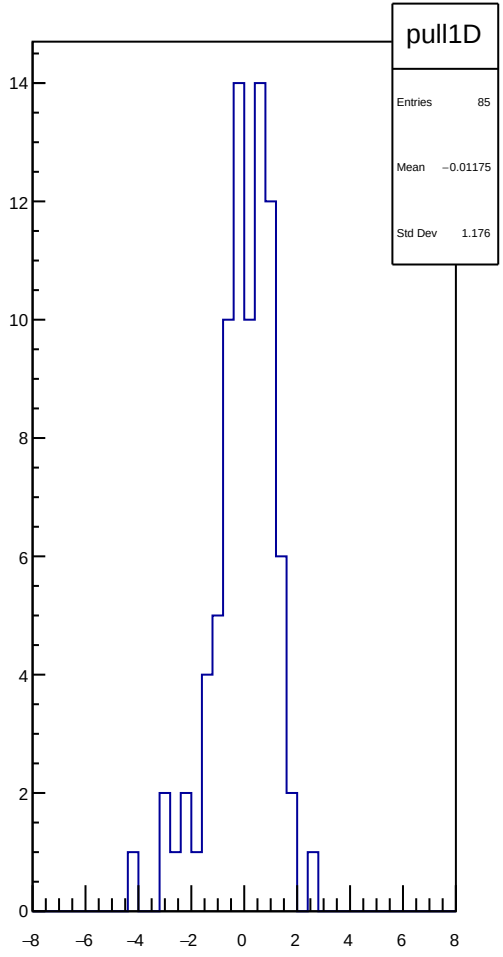

asym_sam3_mean vs run
χ^2 / ndf 98.53 / 84
p0 338.6 ± 765.1
pull
Entries 85
Mean 271.6
Std Dev 224.2
pull1D
Entries 85
Mean 0.02092
Std Dev 1.076


asym_sam3_rms vs run
χ² / ndf 2.393e+04 / 84
p0 690 ± 0.541
950
900
850
800
750
700
650
600
550

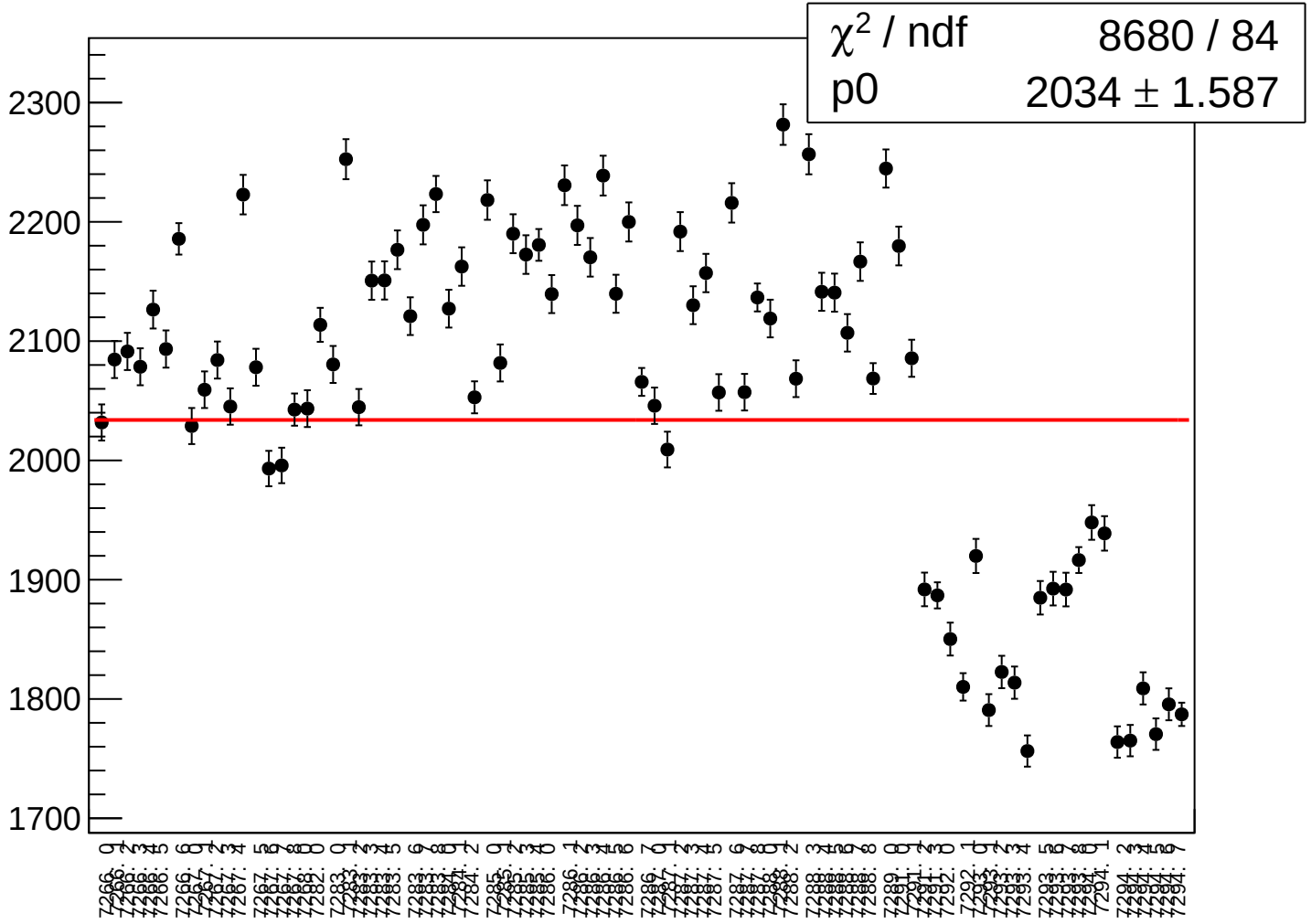

dit_asym_sam4_mean vs run
χ^2 / ndf 62.21 / 84
p0 574.3 ± 573.4
pull
Entries 85
Mean −57.22
Std Dev 107.7
pull1D
Entries 85
Mean 0.01484
Std Dev 0.8554

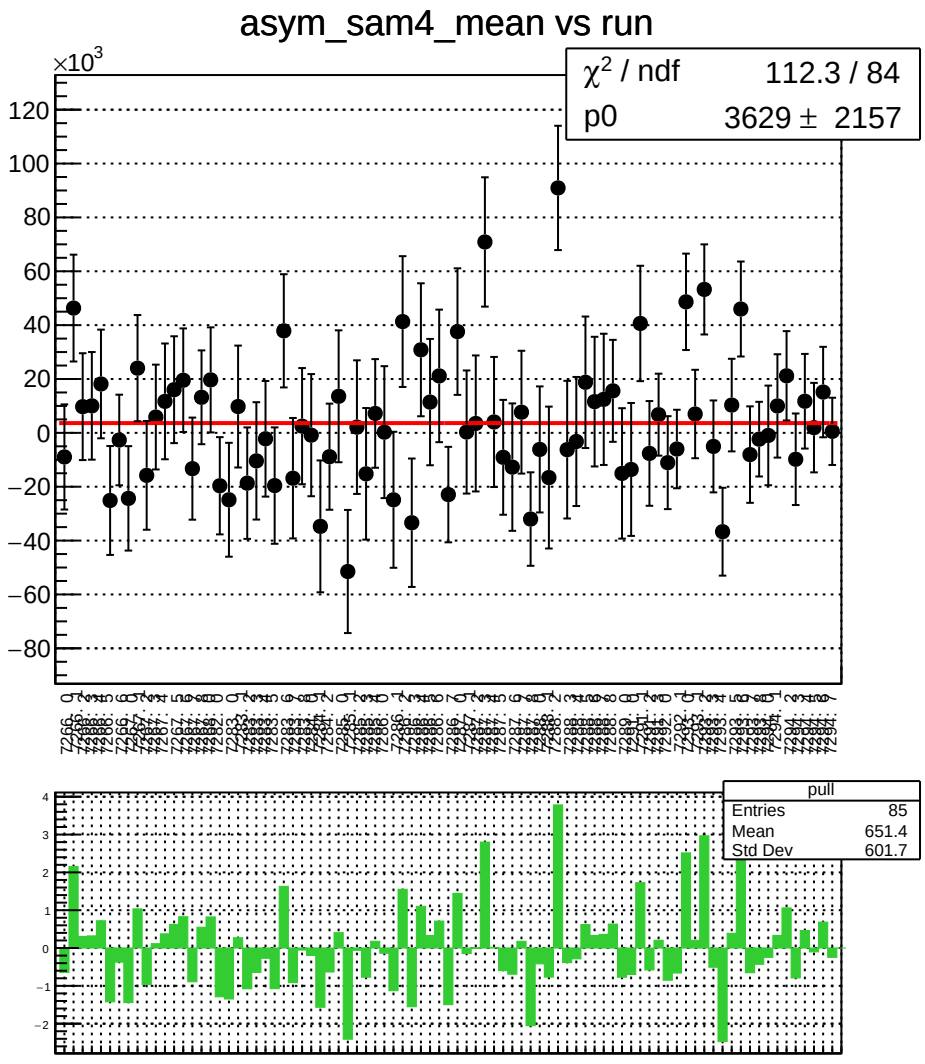

dit_asym_sam4_rms vs run
χ^2 / ndf 6.638e+04 / 84
p0 510.3 ± 0.4054
900
800
700
600
500
400
300

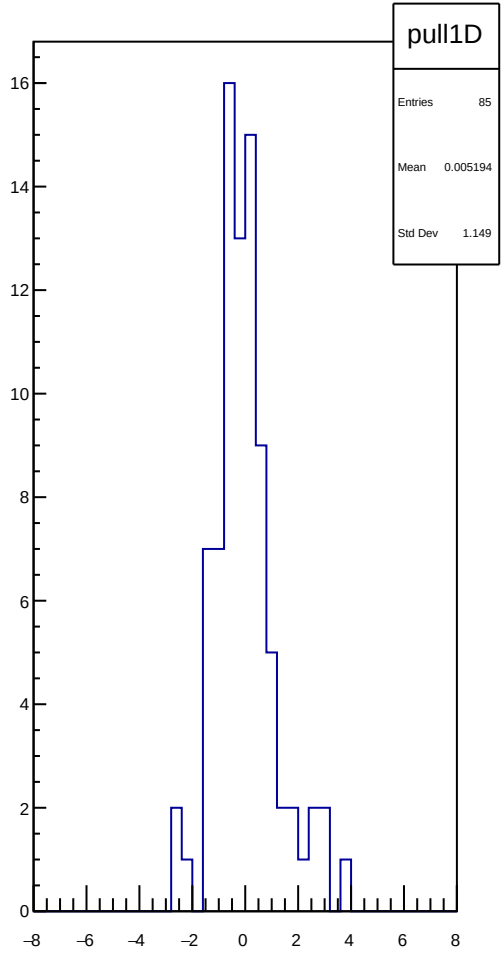

asym_sam4_correction_mean vs run
×10^3
χ^2 / ndf 117.6 / 84
p0 −2640 ± 2245
pull
Entries 85
Mean 325.9
Std Dev 275.5

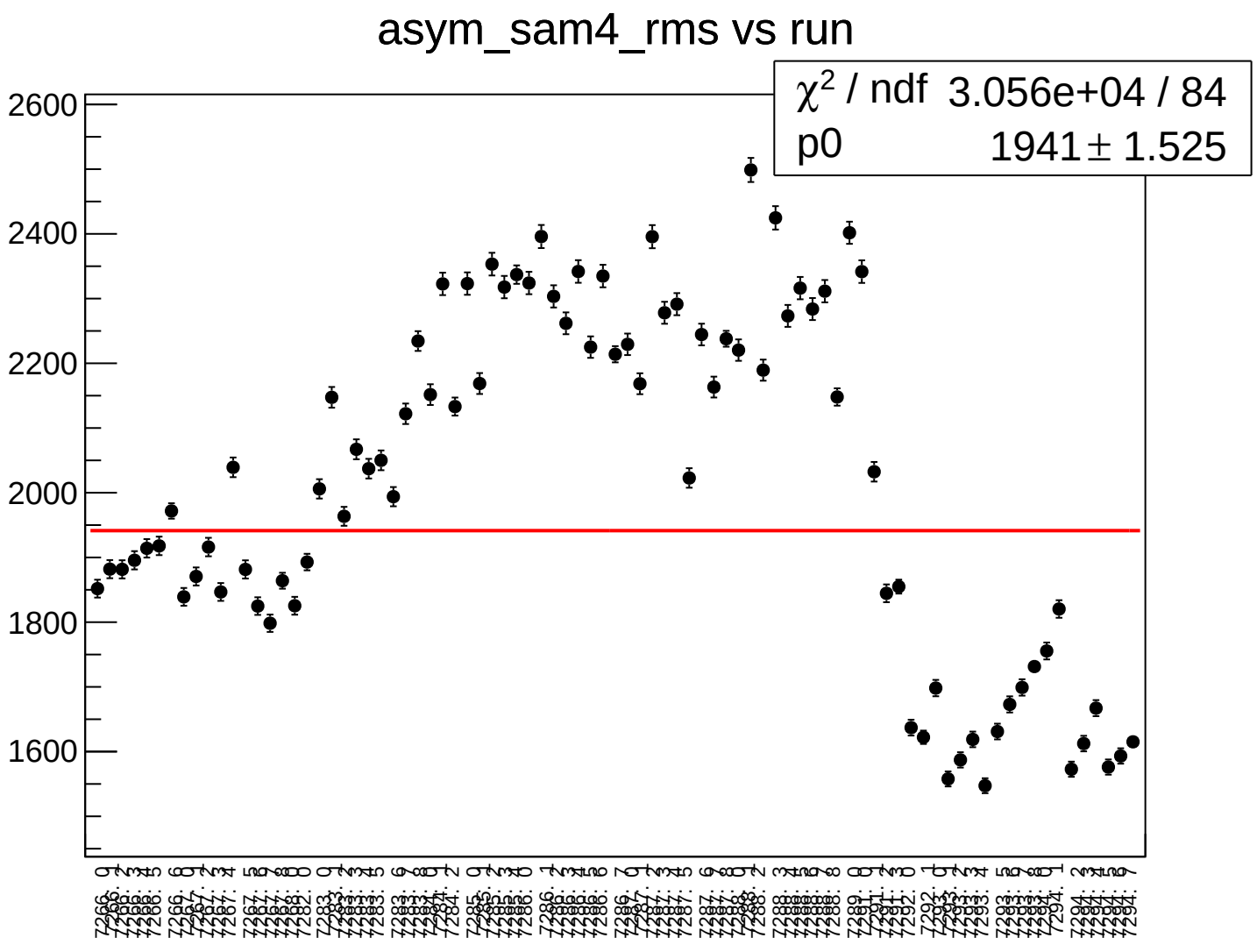

pull1D
Entries 85
Mean −0.01175
Std Dev 1.176

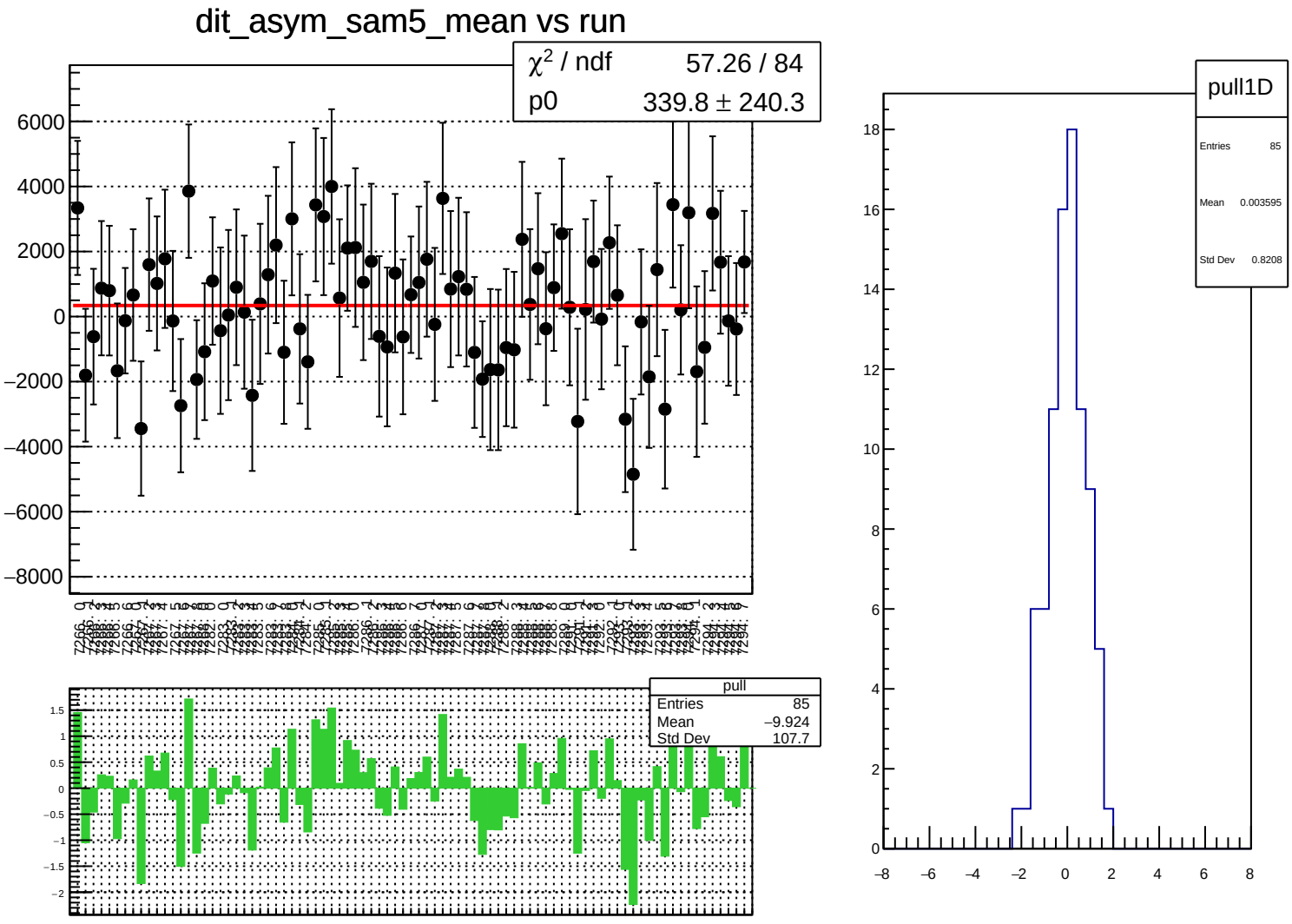
asym_sam4_correction_rms vs run



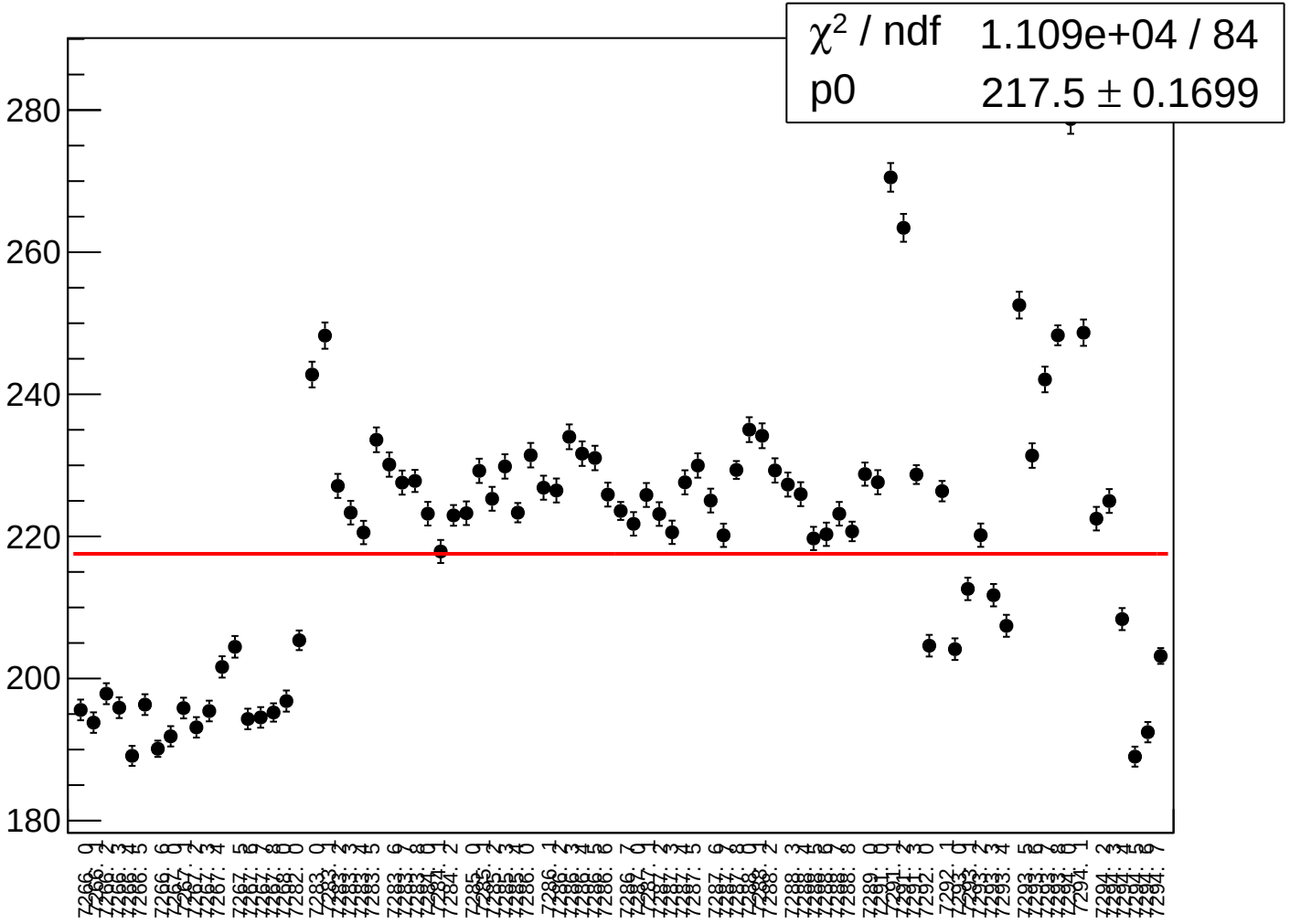

asym_sam4_mean vs run
×10^3
χ² / ndf 112.3 / 84
p0 3629 ± 2157
pull
Entries 85
Mean 651.4
Std Dev 601.7

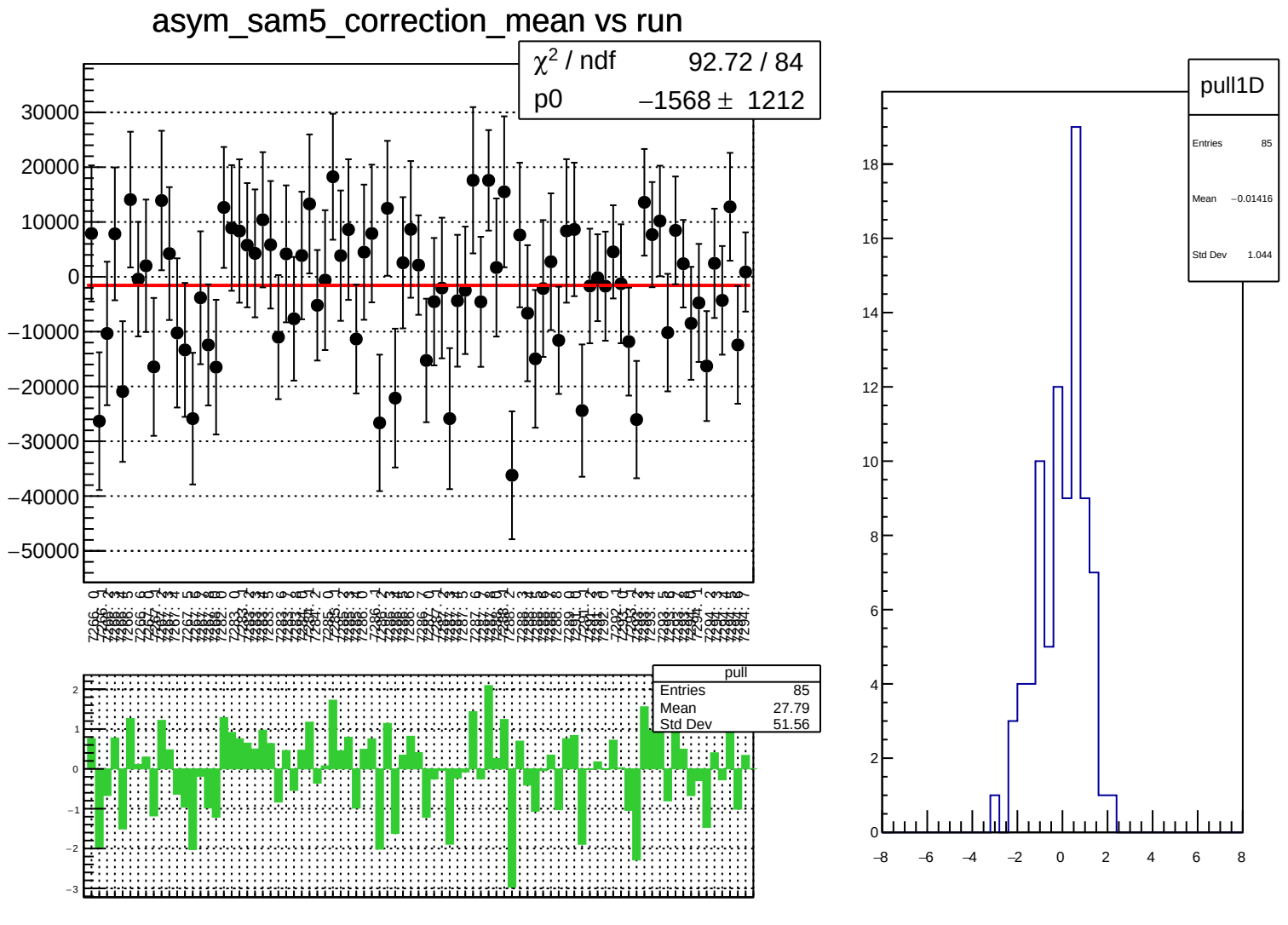

pull1D
Entries 85
Mean 0.005194
Std Dev 1.149

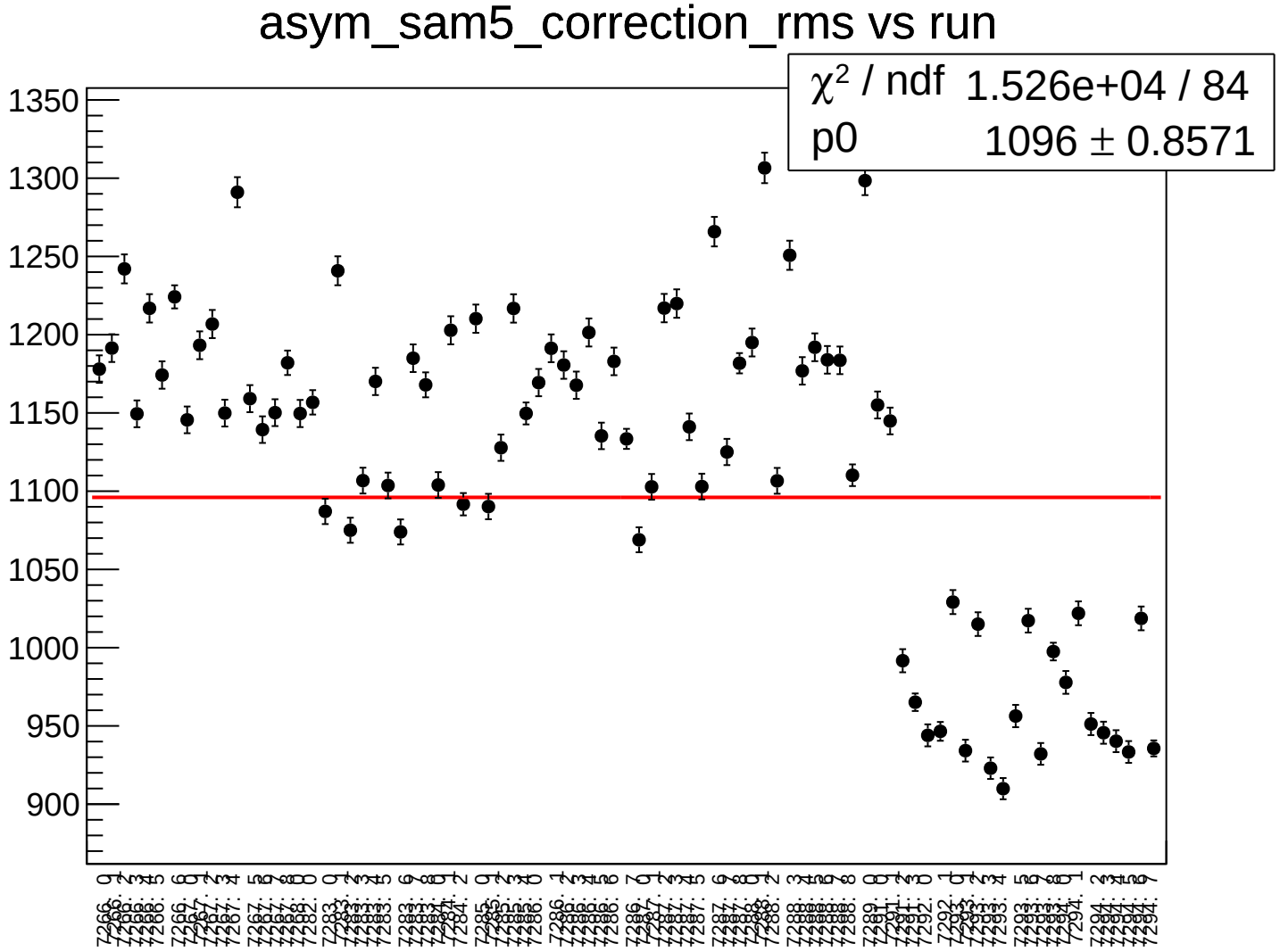

asym_sam4_rms vs run
χ^2 / ndf 3.056e+04 / 84
p0 1941 ± 1.525
2600
2400
2200
2000
1800
1600

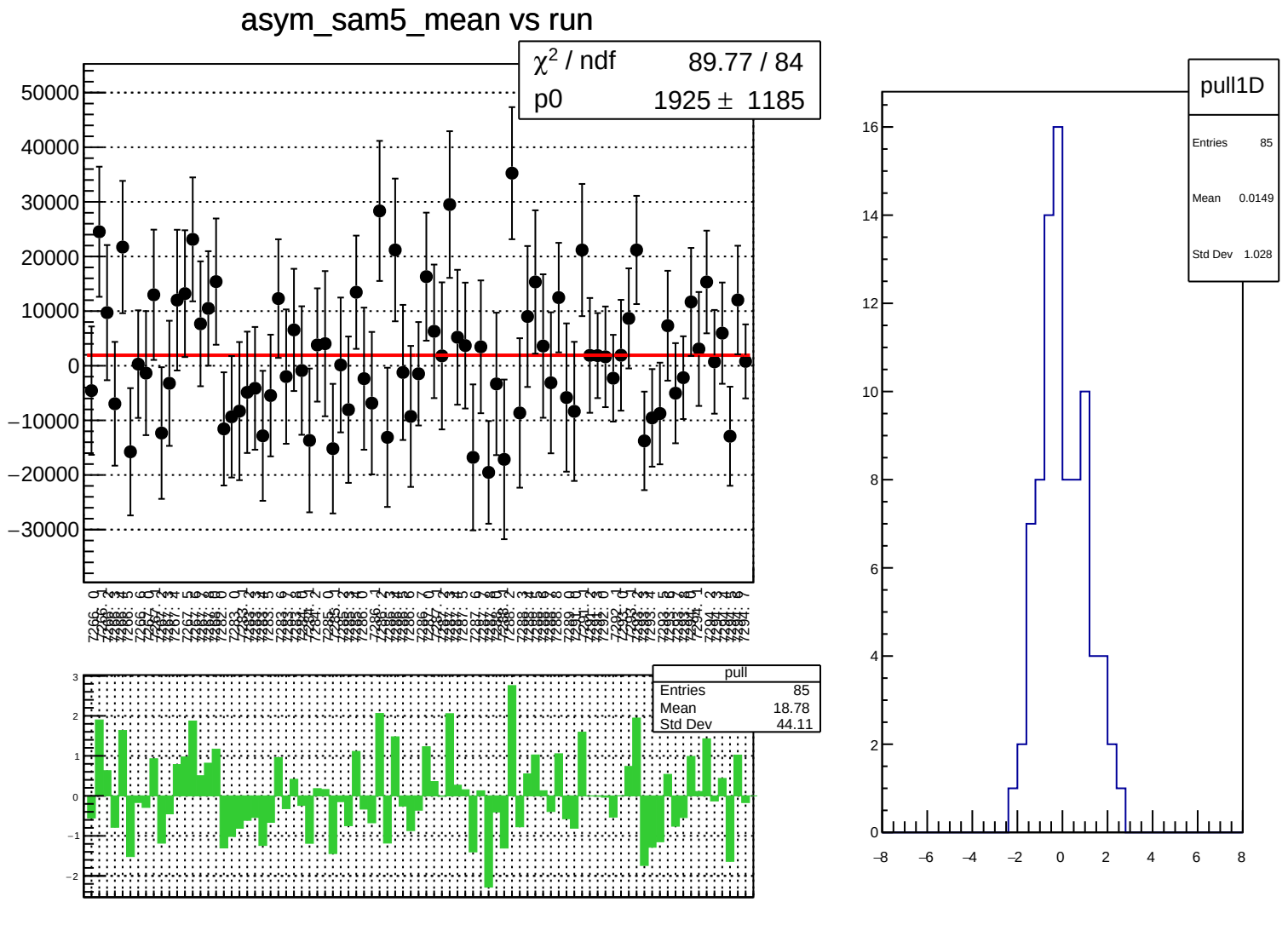

dit_asym_sam5_mean vs run
χ² / ndf 57.26 / 84
p0 339.8 ± 240.3
pull
Entries 85
Mean −9.924
Std Dev 107.7
pull1D
Entries 85
Mean 0.003595
Std Dev 0.8208

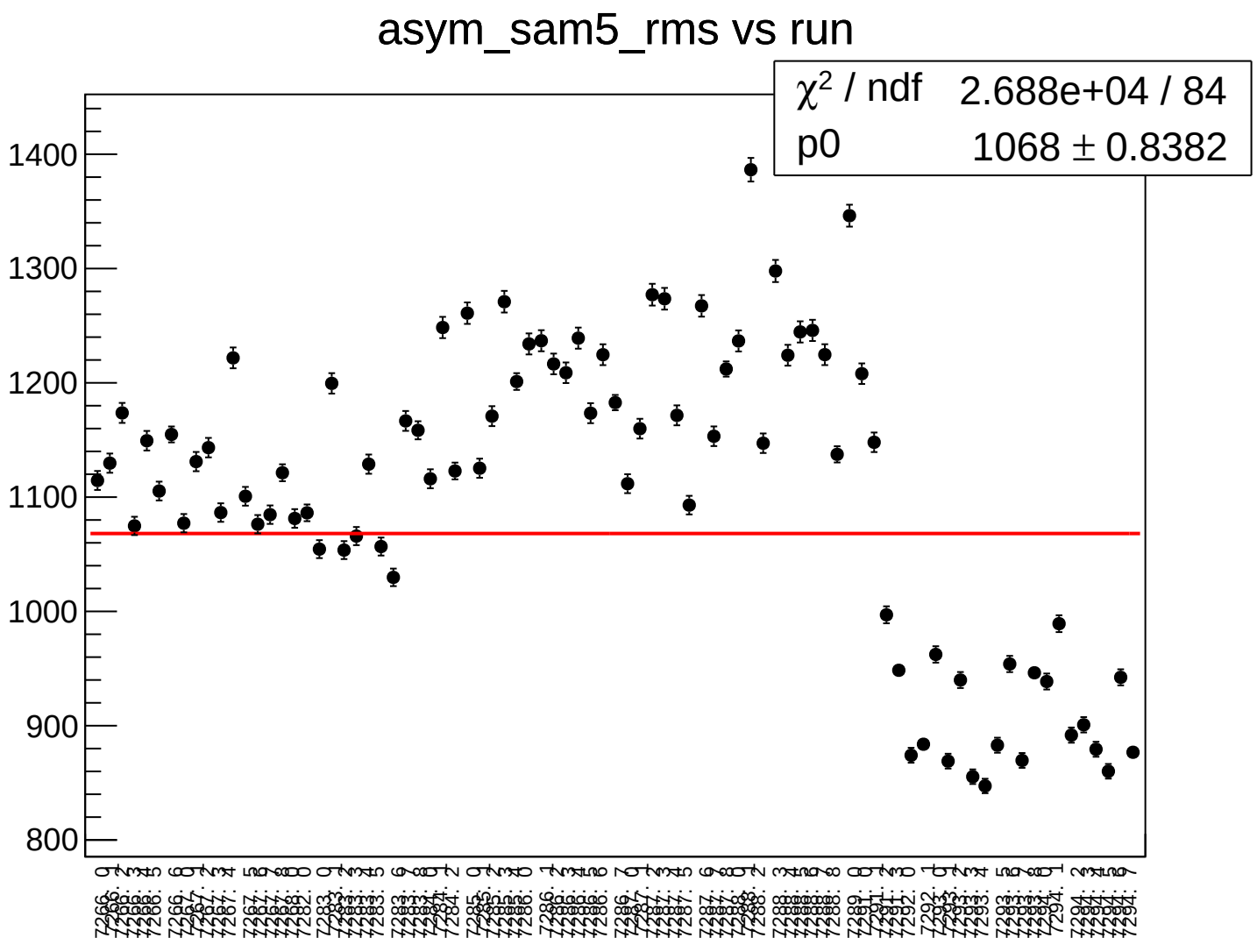
dit_asym_sam5_rms vs run

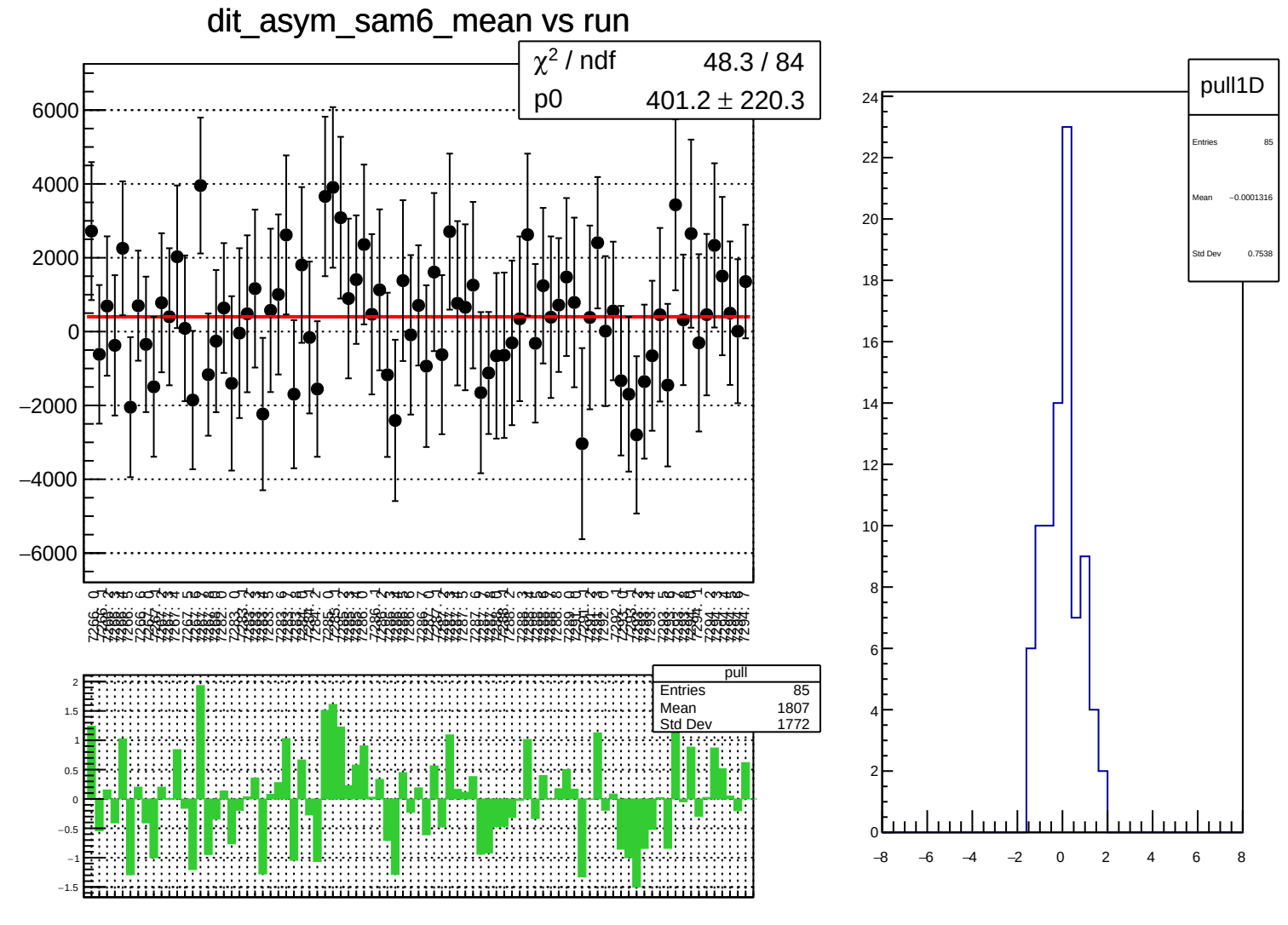


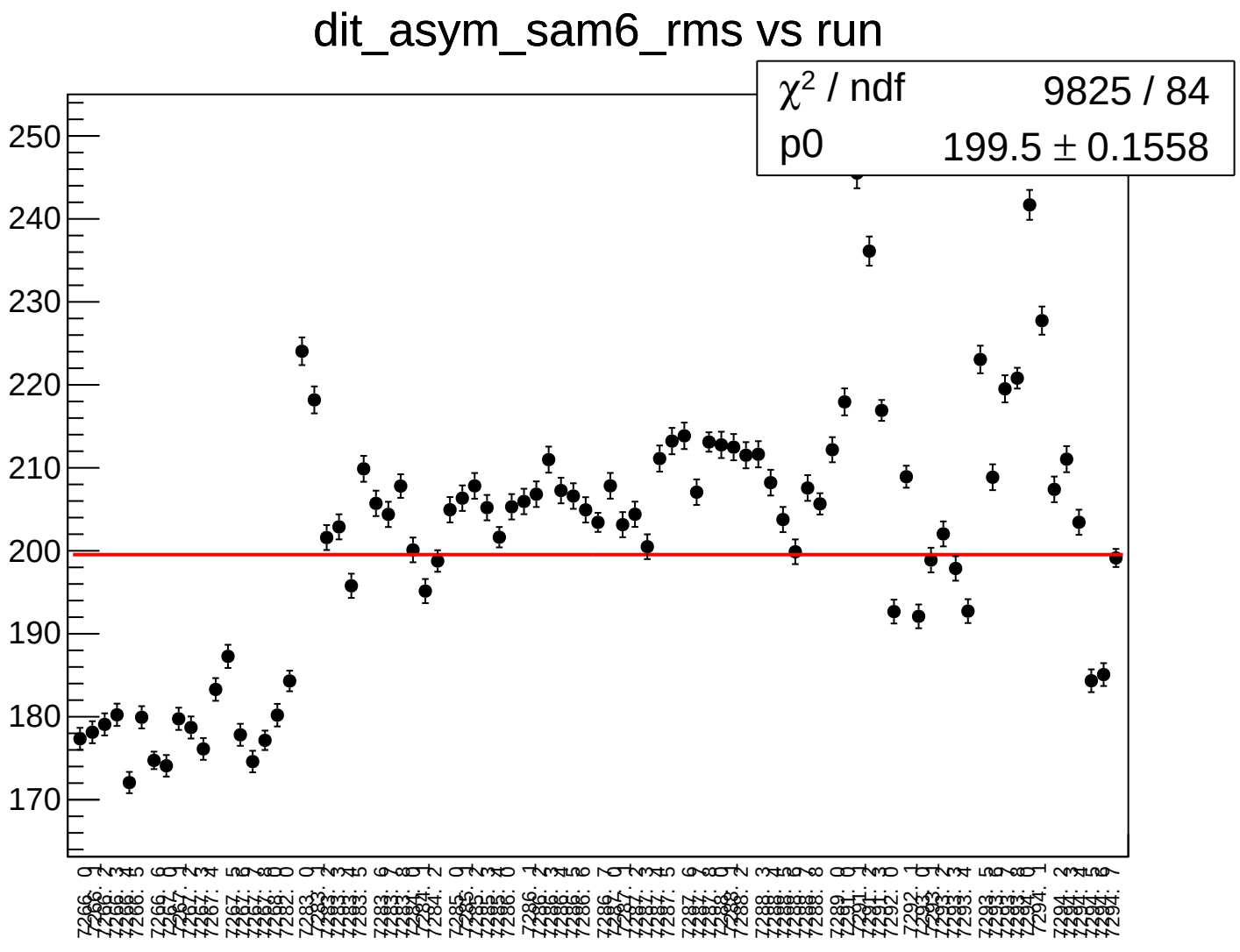

asym_sam5_correction_mean vs run
χ² / ndf 92.72 / 84
p0 −1568 ± 1212
pull
Entries 85
Mean 27.79
Std Dev 51.56
pull1D
Entries 85
Mean −0.01416
Std Dev 1.044

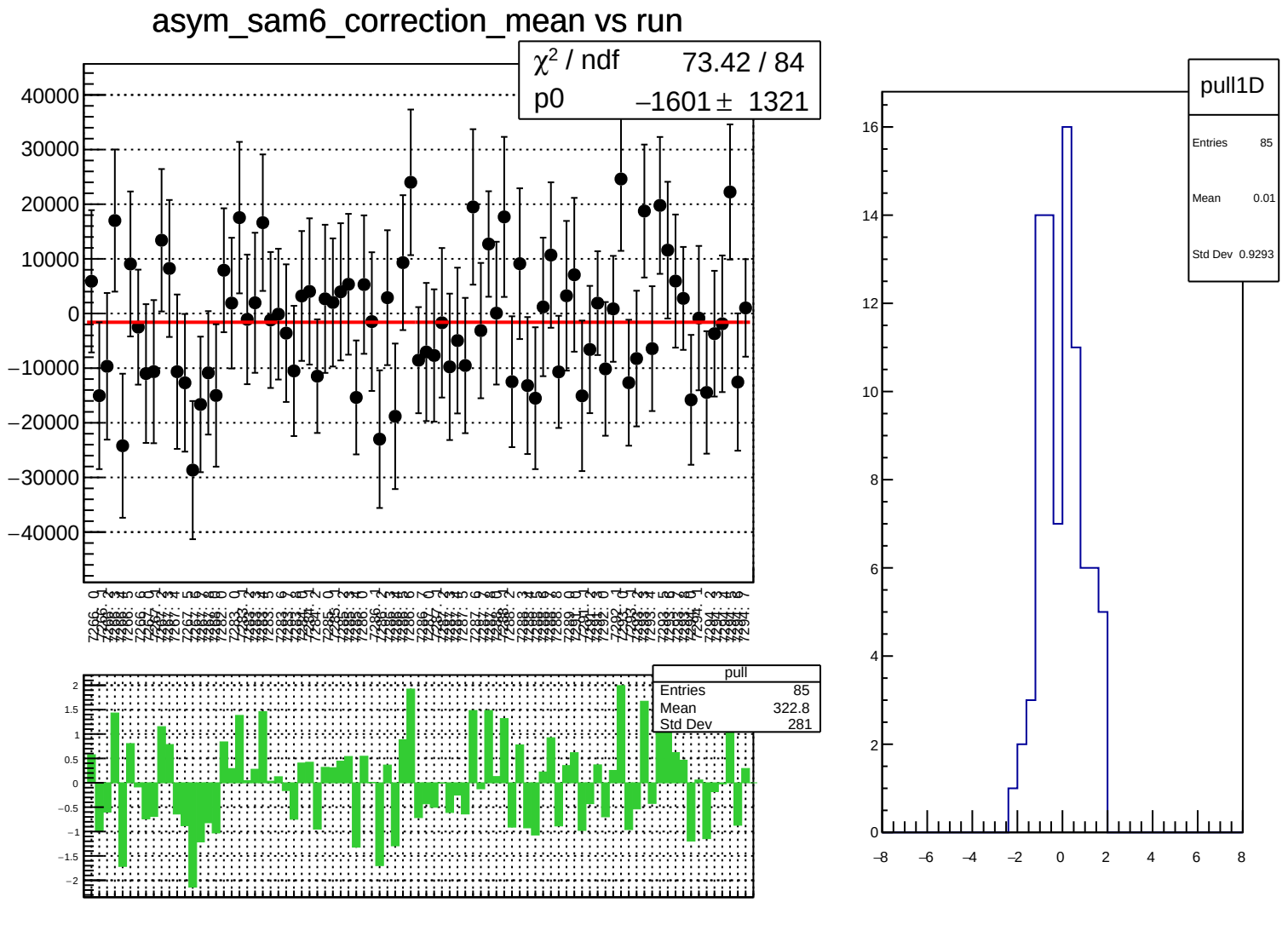

asym_sam5_correction_rms vs run
χ² / ndf 1.526e+04 / 84
p0 1096 ± 0.8571
1350
1300
1250
1200
1150
1100
1050
1000
950
900

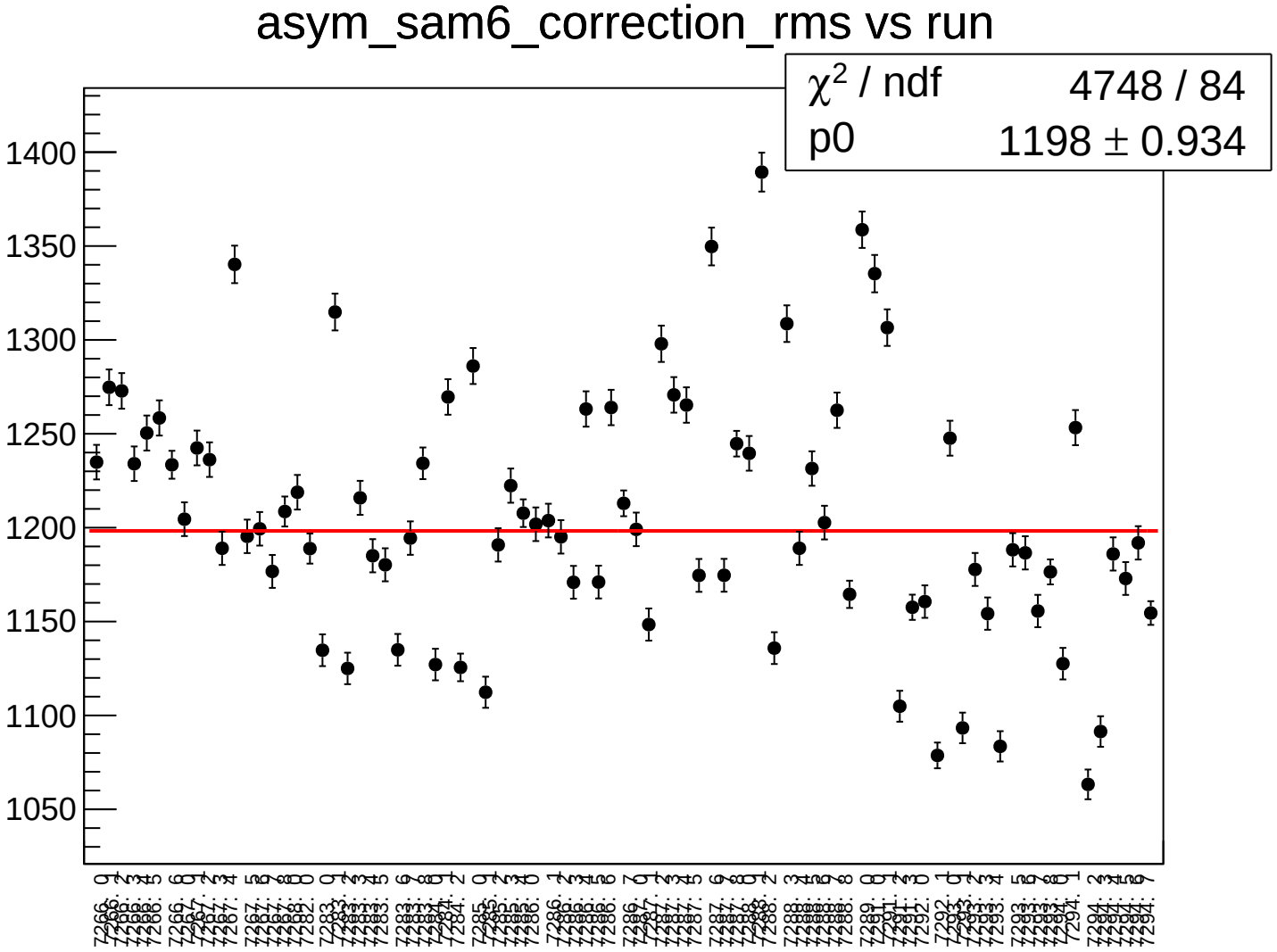

asym_sam5_mean vs run
χ² / ndf 89.77 / 84
p0 1925 ± 1185
pull
Entries 85
Mean 18.78
Std Dev 44.11
pull1D
Entries 85
Mean 0.0149
Std Dev 1.028

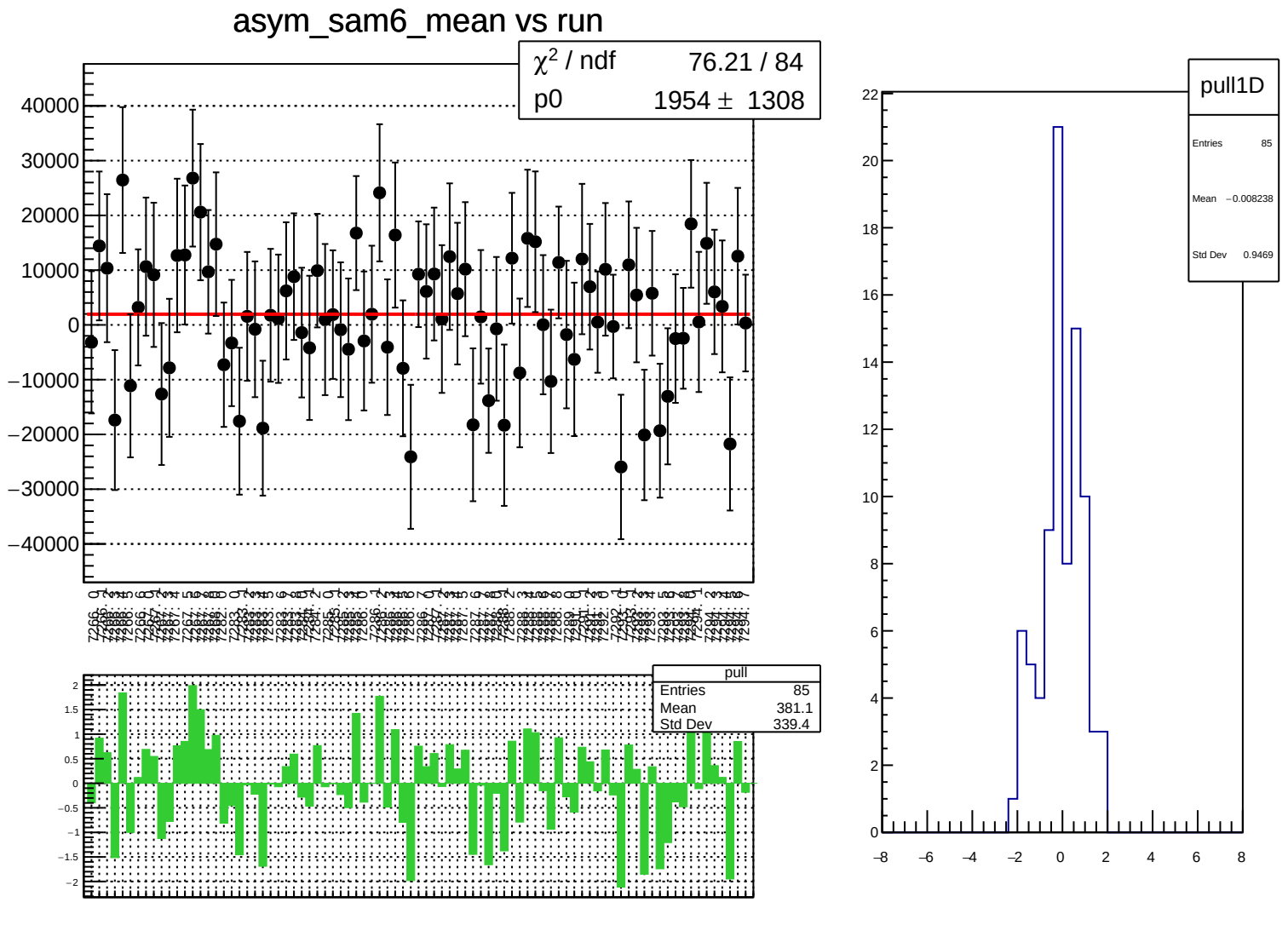

asym_sam5_rms vs run
χ^2 / ndf 2.688e+04 / 84
p0 1068 ± 0.8382
1400
1300
1200
1100
1000
900
800

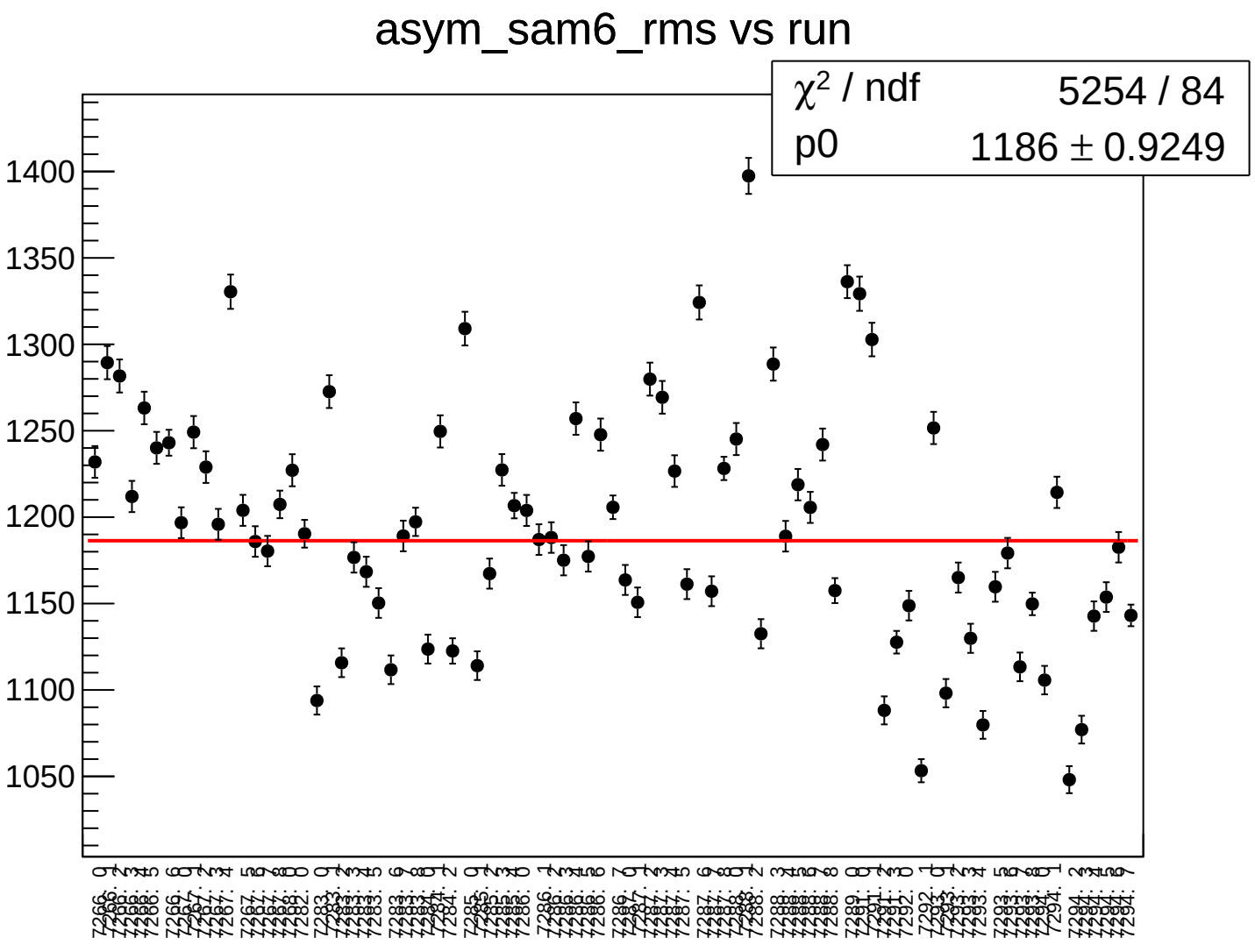

dit_asym_sam6_mean vs run
χ^2 / ndf 48.3 / 84
p0 401.2 ± 220.3
pull
Entries 85
Mean 1807
Std Dev 1772
pull1D
Entries 85
Mean −0.0001316
Std Dev 0.7538

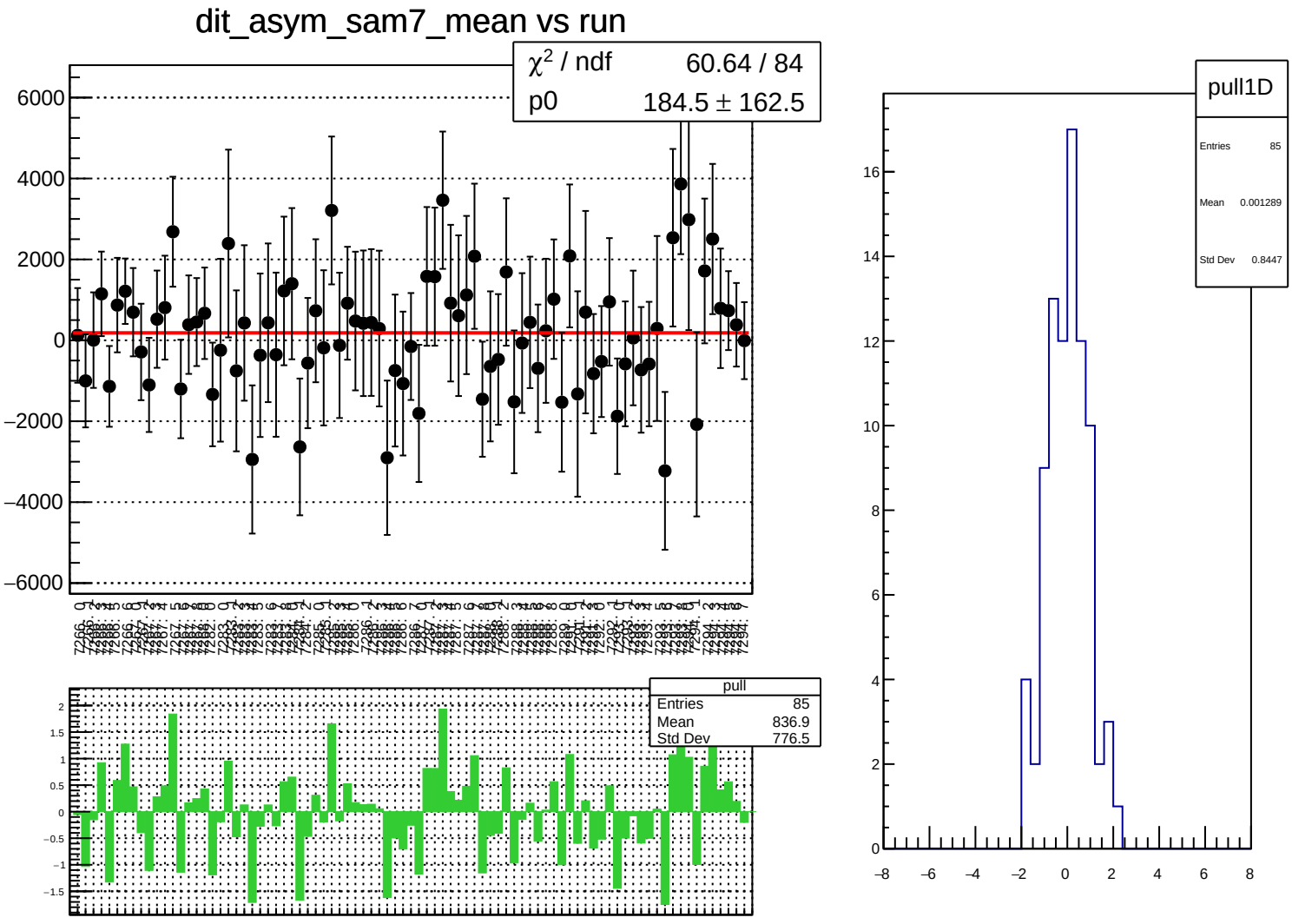

dit_asym_sam6_rms vs run
χ² / ndf 9825 / 84
p0 199.5 ± 0.1558
250
240
230
220
210
200
190
180
170

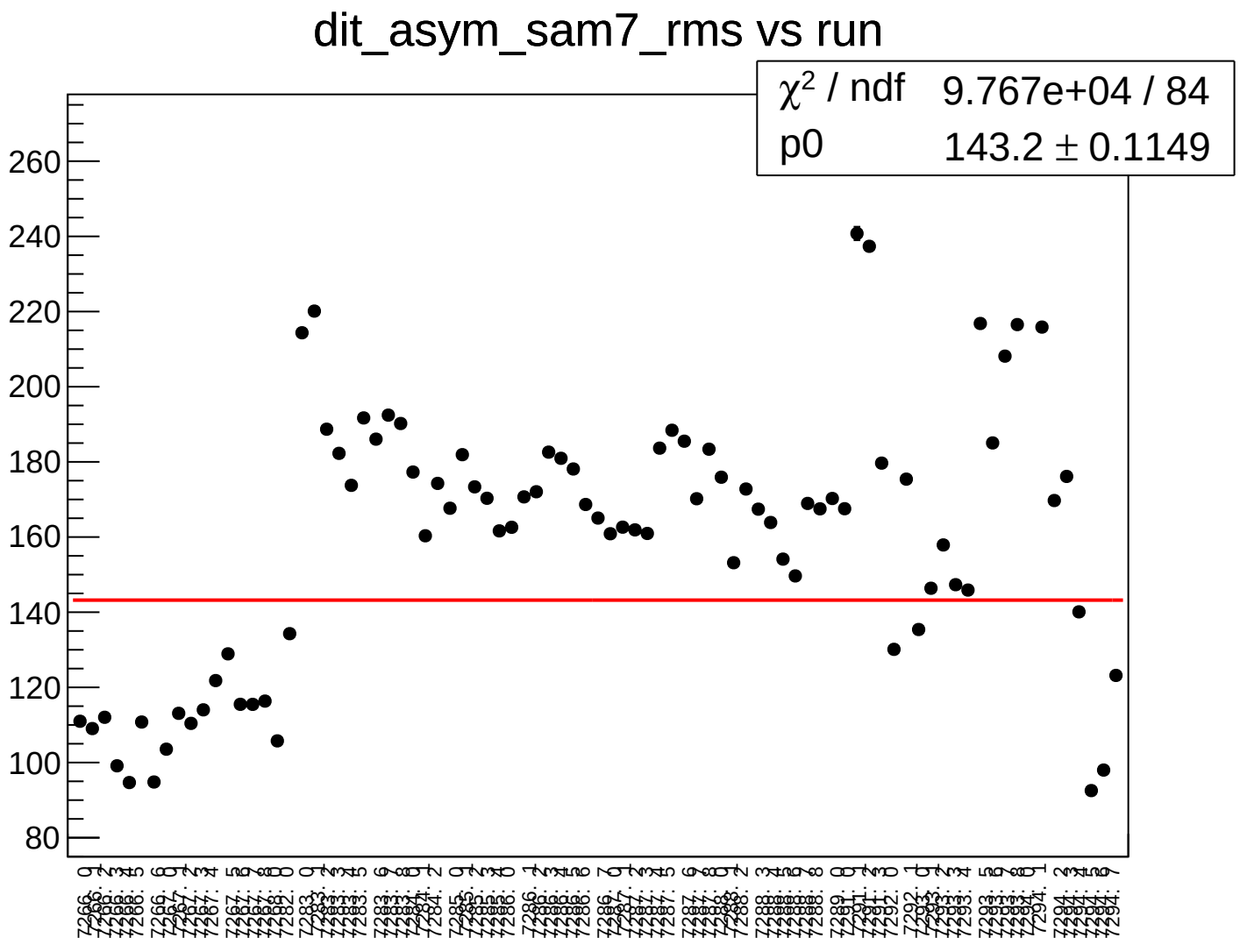

asym_sam6_correction_mean vs run
χ² / ndf 73.42 / 84
p0 −1601 ± 1321
pull
Entries 85
Mean 322.8
Std Dev 281
pull1D
Entries 85
Mean 0.01
Std Dev 0.9293

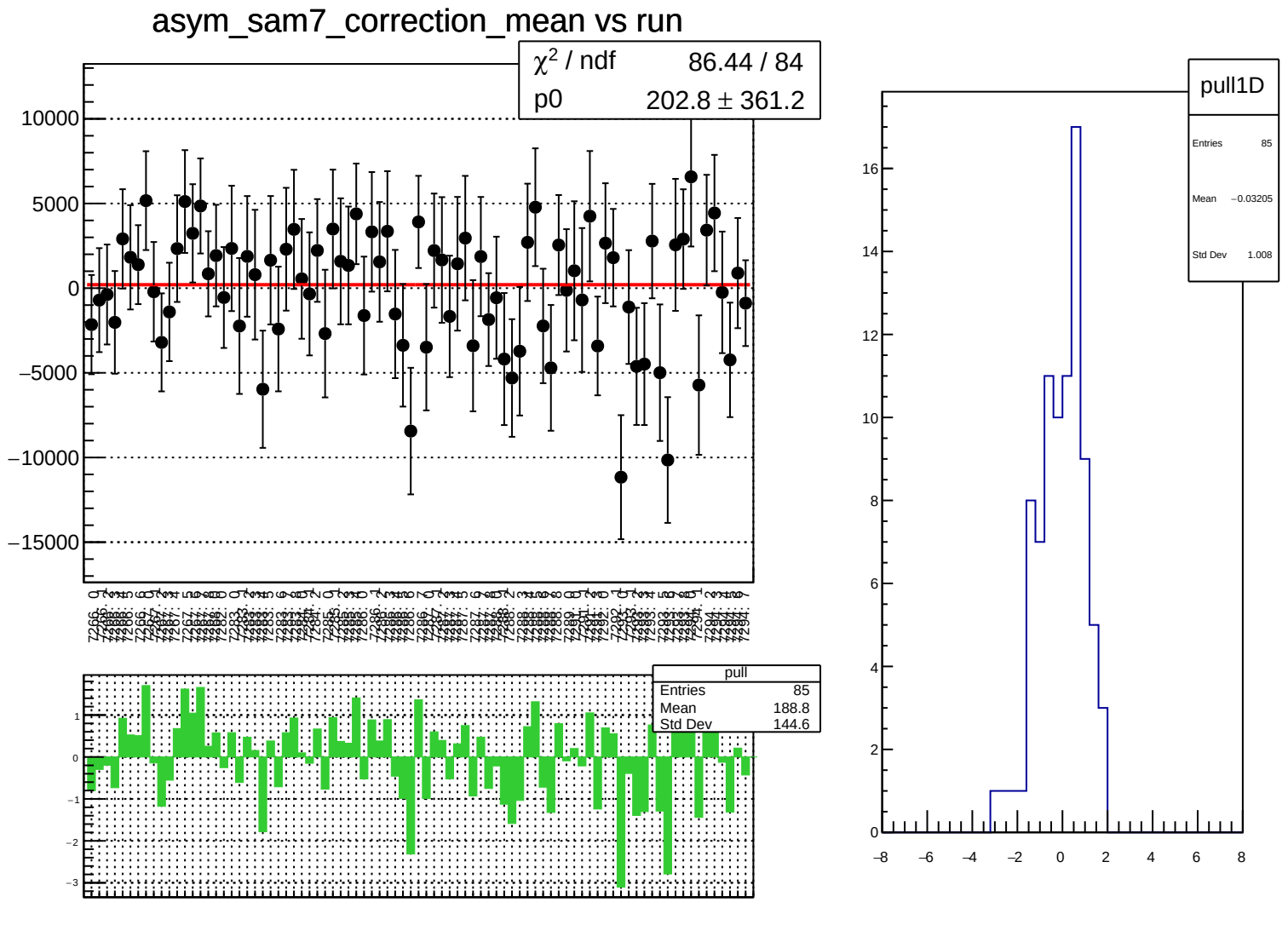

asym_sam6_correction_rms vs run
χ² / ndf 4748 / 84
p0 1198 ± 0.934
1400
1350
1300
1250
1200
1150
1100
1050

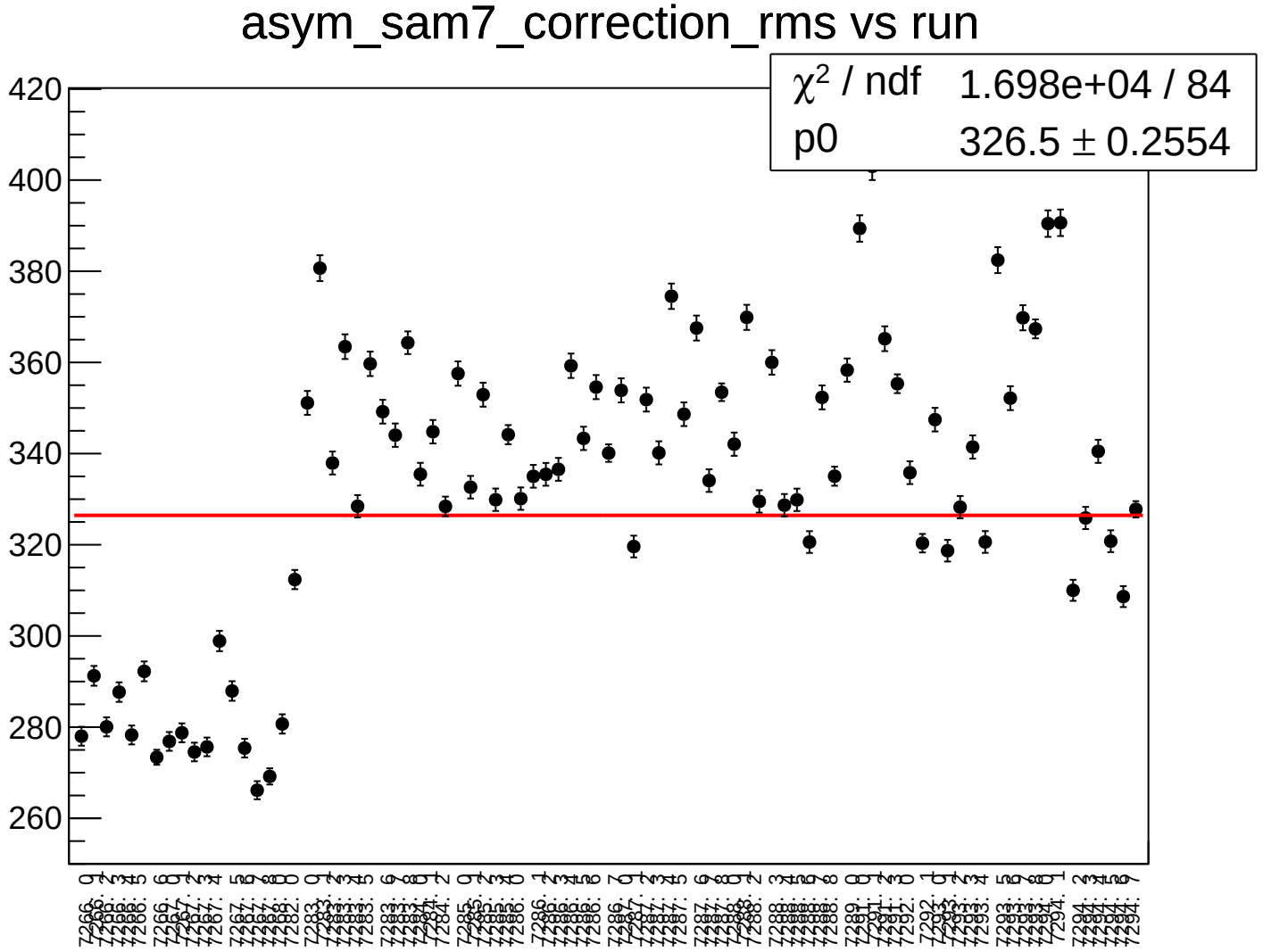

asym_sam6_mean vs run
χ² / ndf 76.21 / 84
p0 1954 ± 1308
pull
Entries 85
Mean 381.1
Std Dev 339.4
pull1D
Entries 85
Mean −0.008238
Std Dev 0.9469

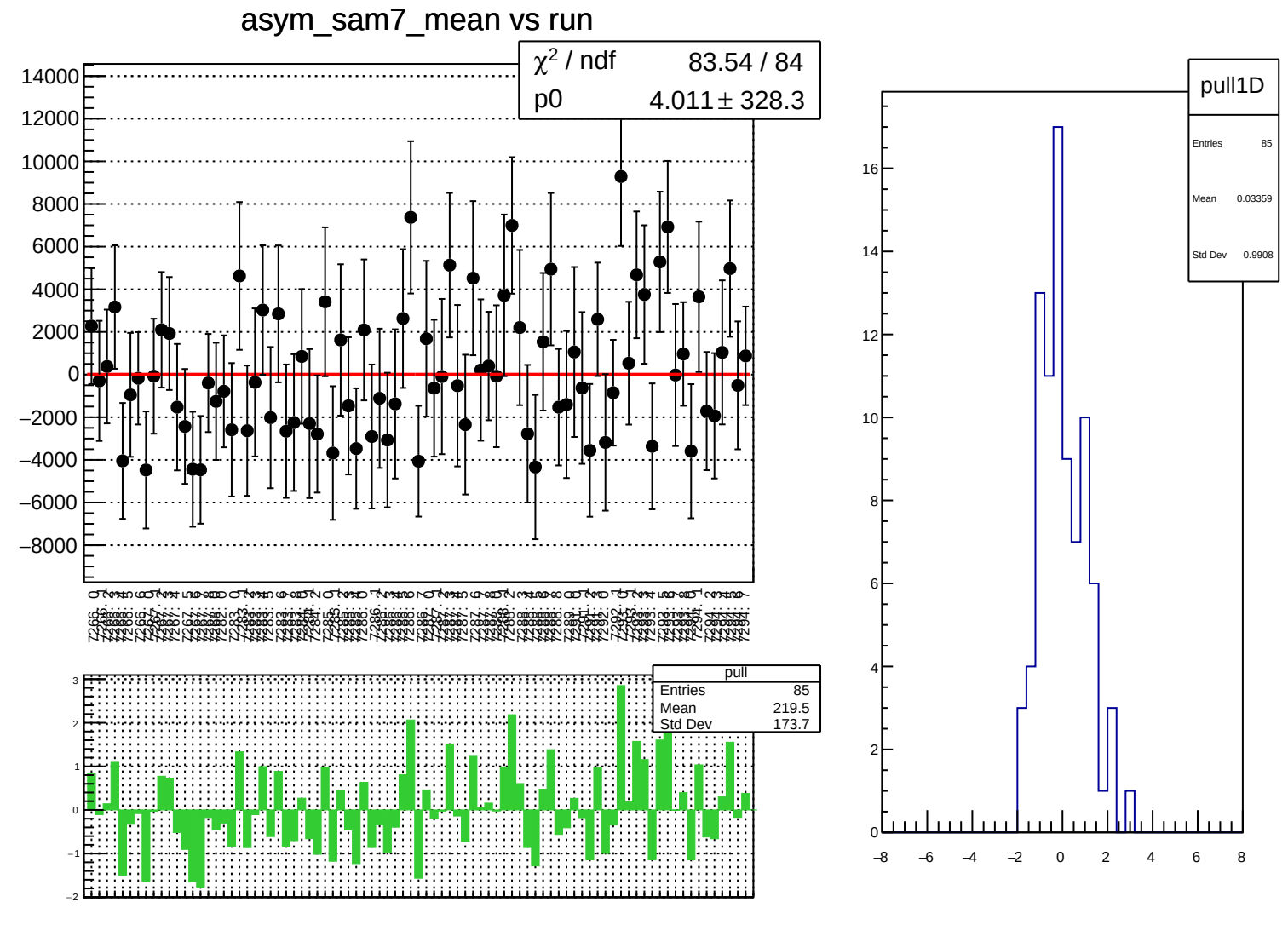

asym_sam6_rms vs run
χ^2 / ndf 5254 / 84
p0 1186 ± 0.9249
1400
1350
1300
1250
1200
1150
1100
1050


dit_asym_sam7_mean vs run
χ² / ndf 60.64 / 84
p0 184.5 ± 162.5
pull
Entries 85
Mean 836.9
Std Dev 776.5
pull1D
Entries 85
Mean 0.001289
Std Dev 0.8447

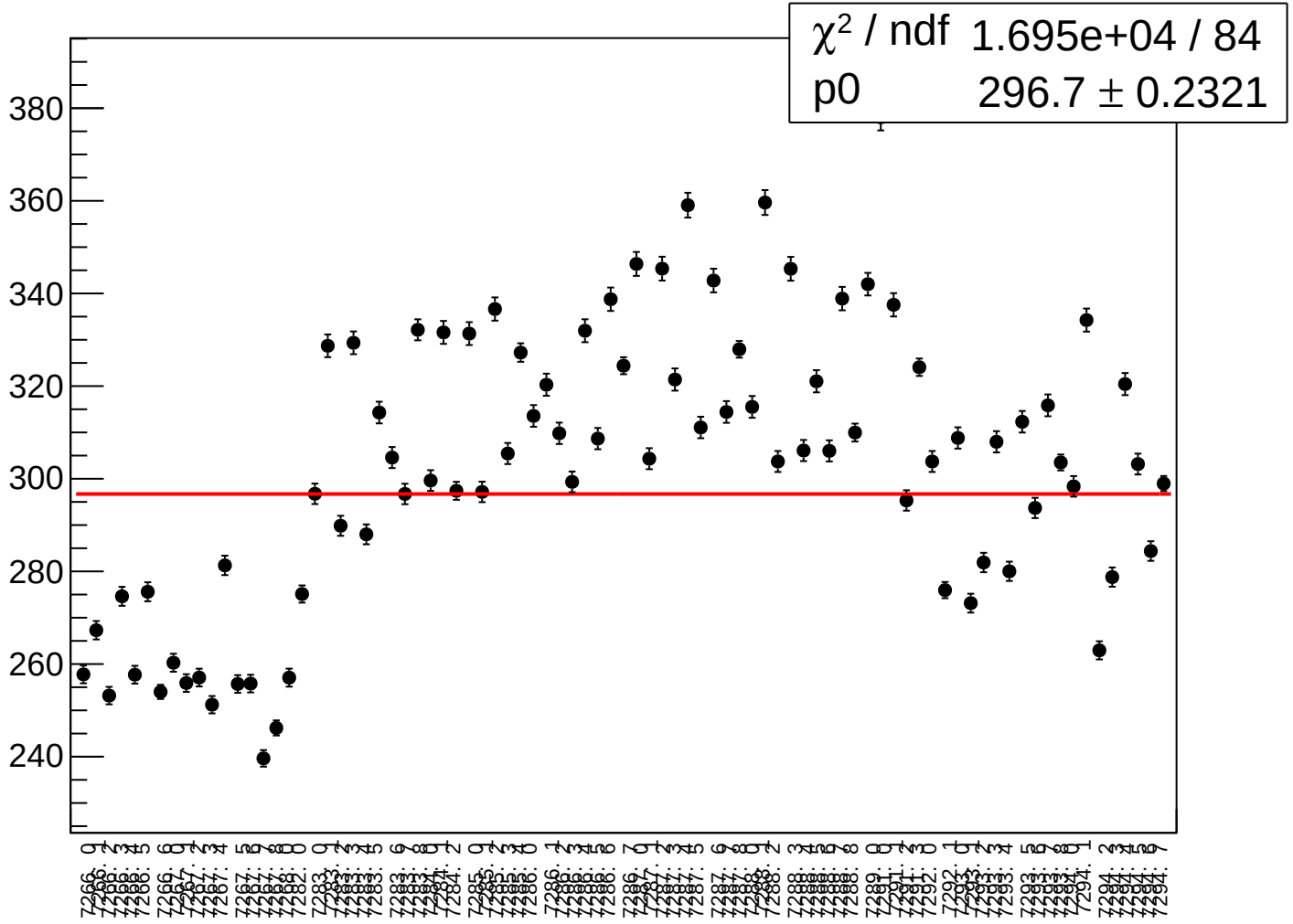

dit_asym_sam7_rms vs run
χ^2 / ndf 9.767e+04 / 84
p0 143.2 ± 0.1149
260
240
220
200
180
160
140
120
100
80

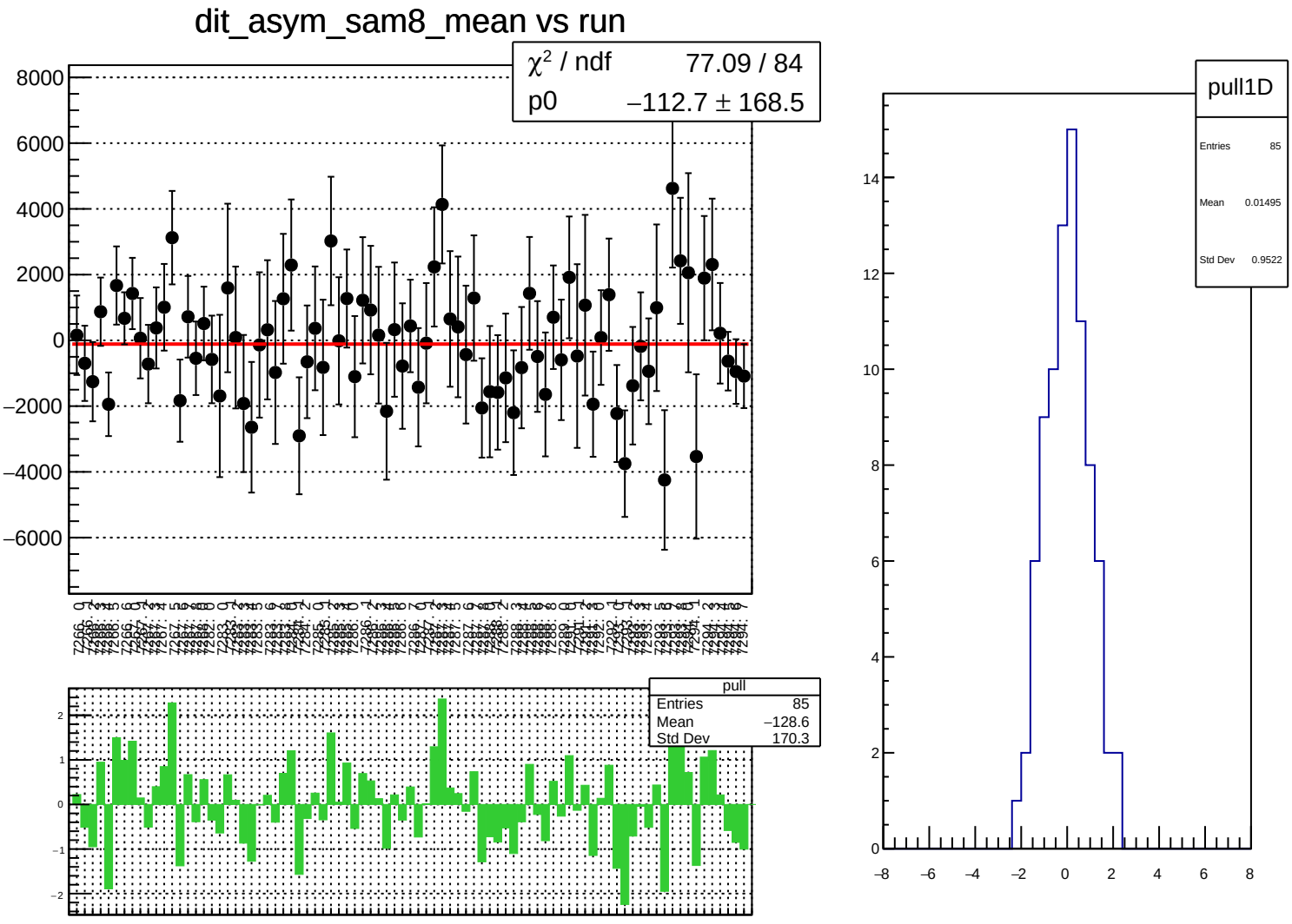

asym_sam7_correction_mean vs run
χ² / ndf 86.44 / 84
p0 202.8 ± 361.2
pull
Entries 85
Mean 188.8
Std Dev 144.6
pull1D
Entries 85
Mean −0.03205
Std Dev 1.008

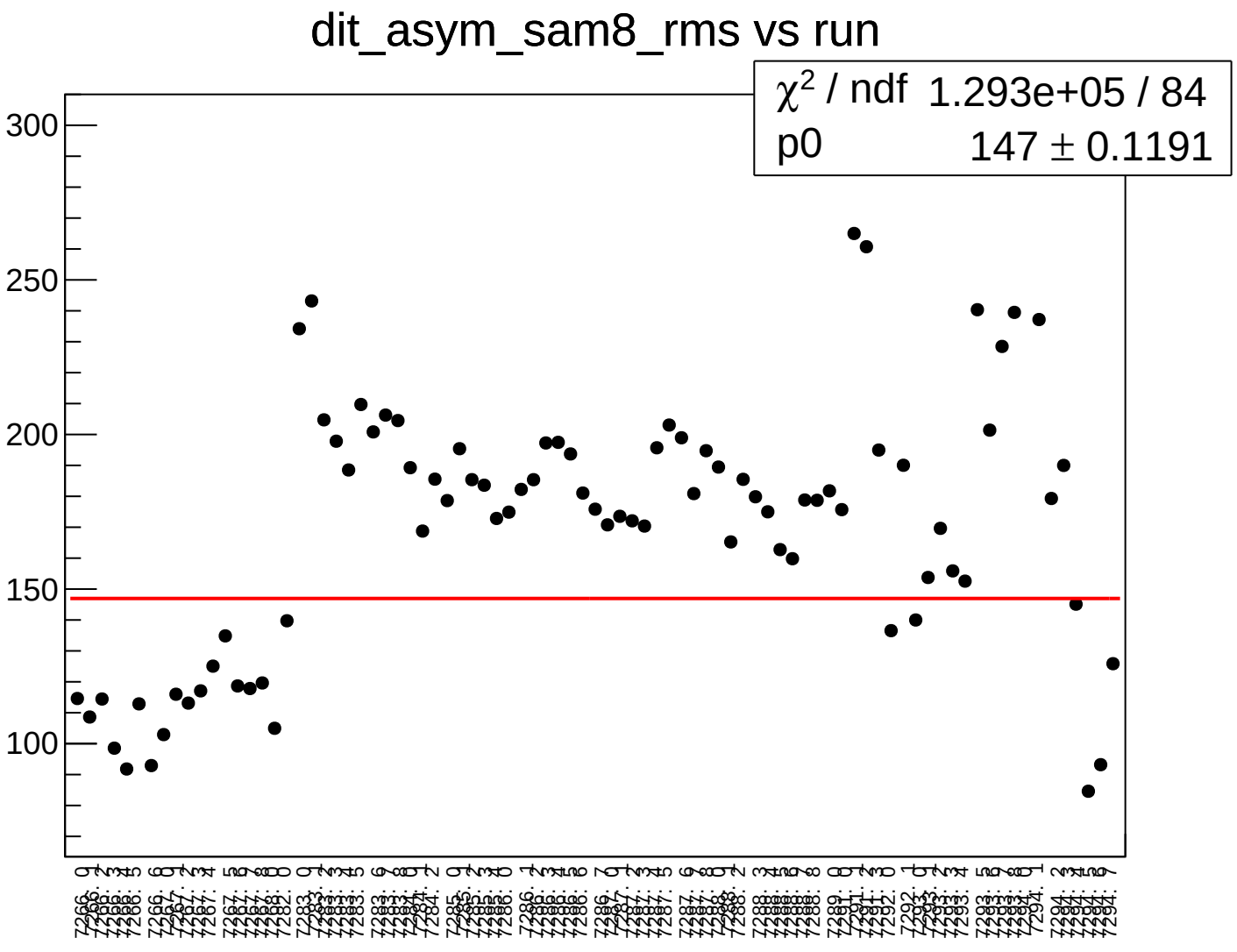

asym_sam7_correction_rms vs run
χ^2 / ndf 1.698e+04 / 84
p0 326.5 ± 0.2554
420
400
380
360
340
320
300
280
260

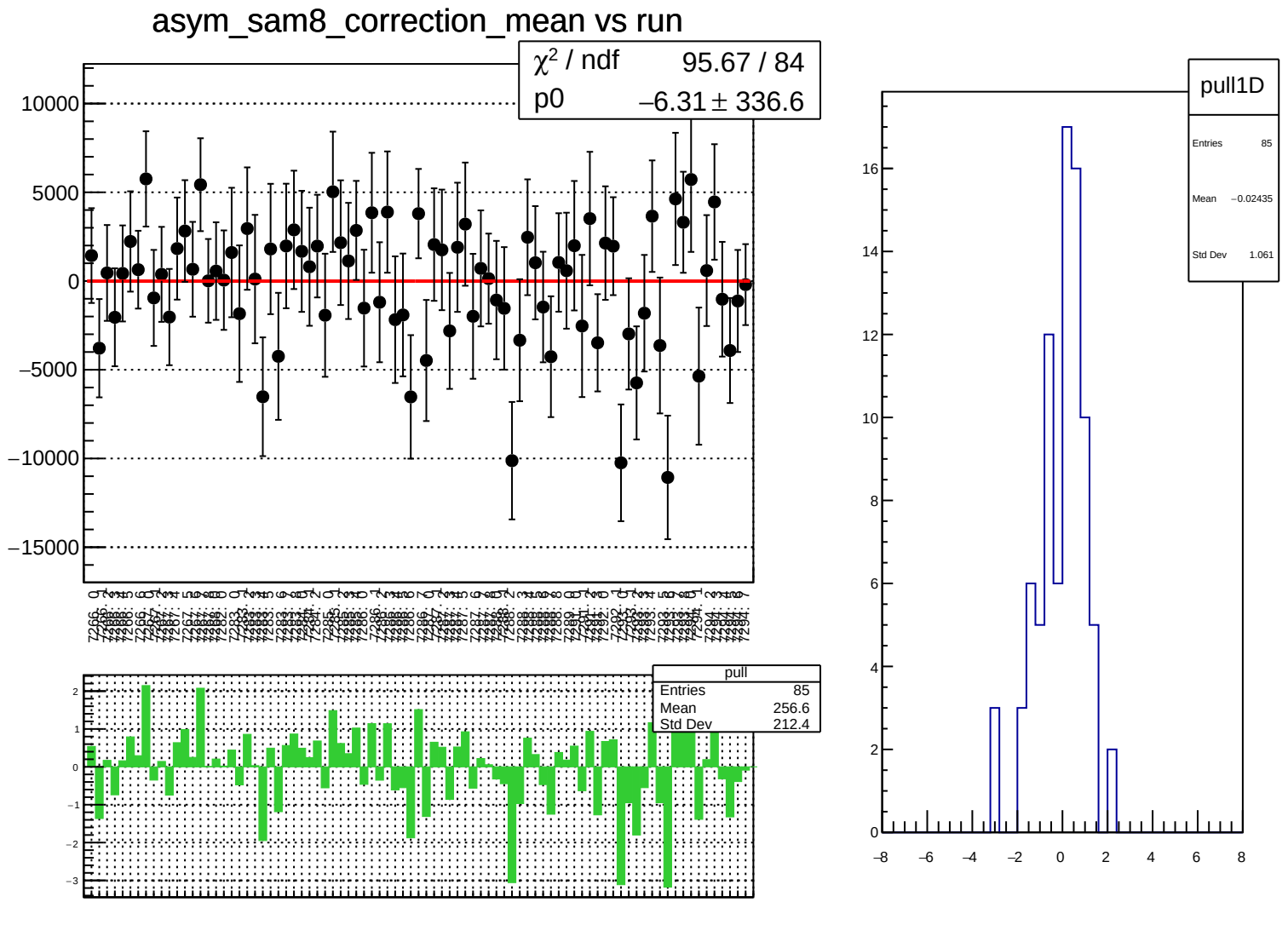

asym_sam7_mean vs run
χ^2 / ndf 83.54 / 84
p0 4.011 ± 328.3
pull
Entries 85
Mean 219.5
Std Dev 173.7
pull1D
Entries 85
Mean 0.03359
Std Dev 0.9908

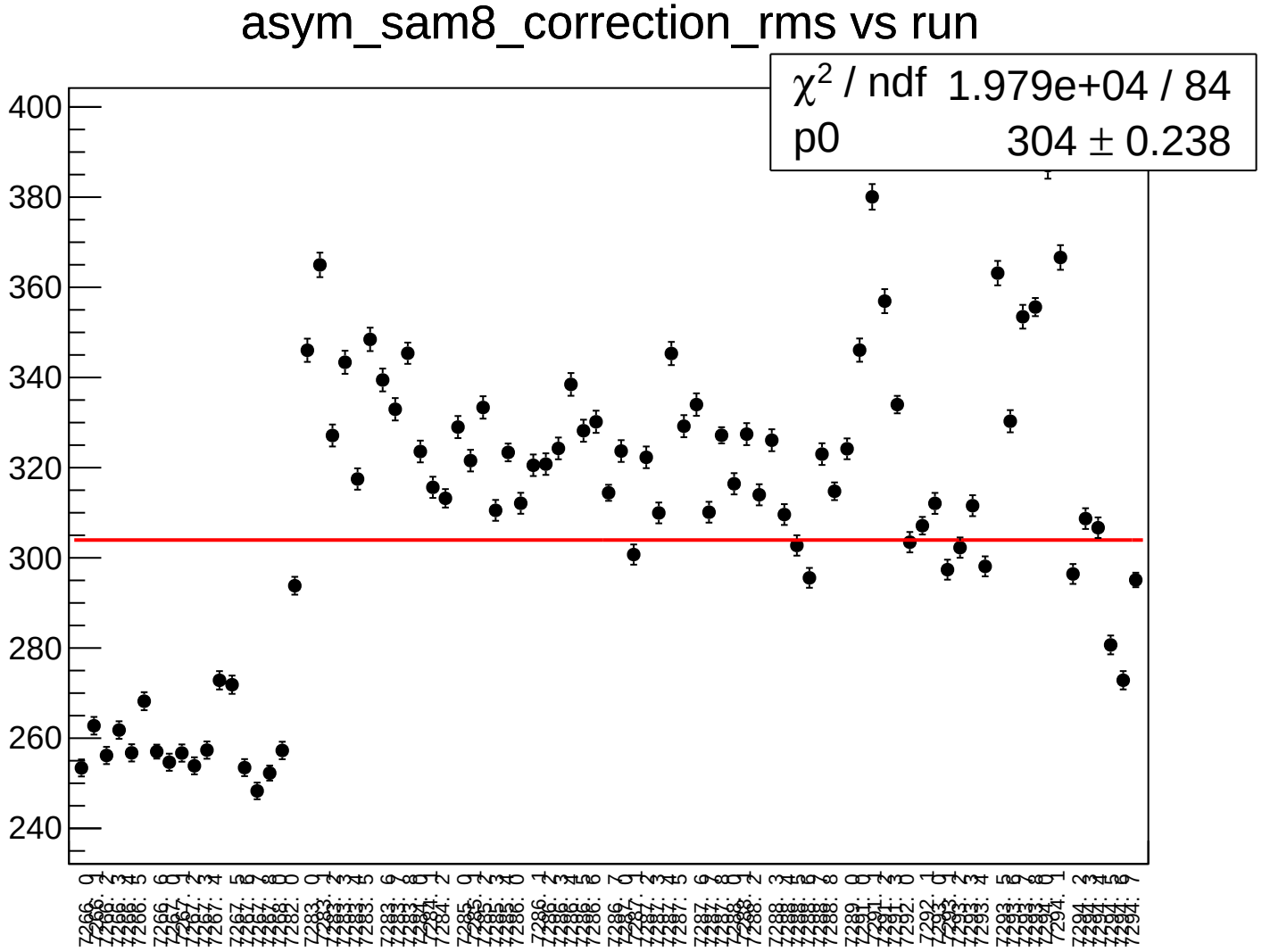
asym_sam7_rms vs run

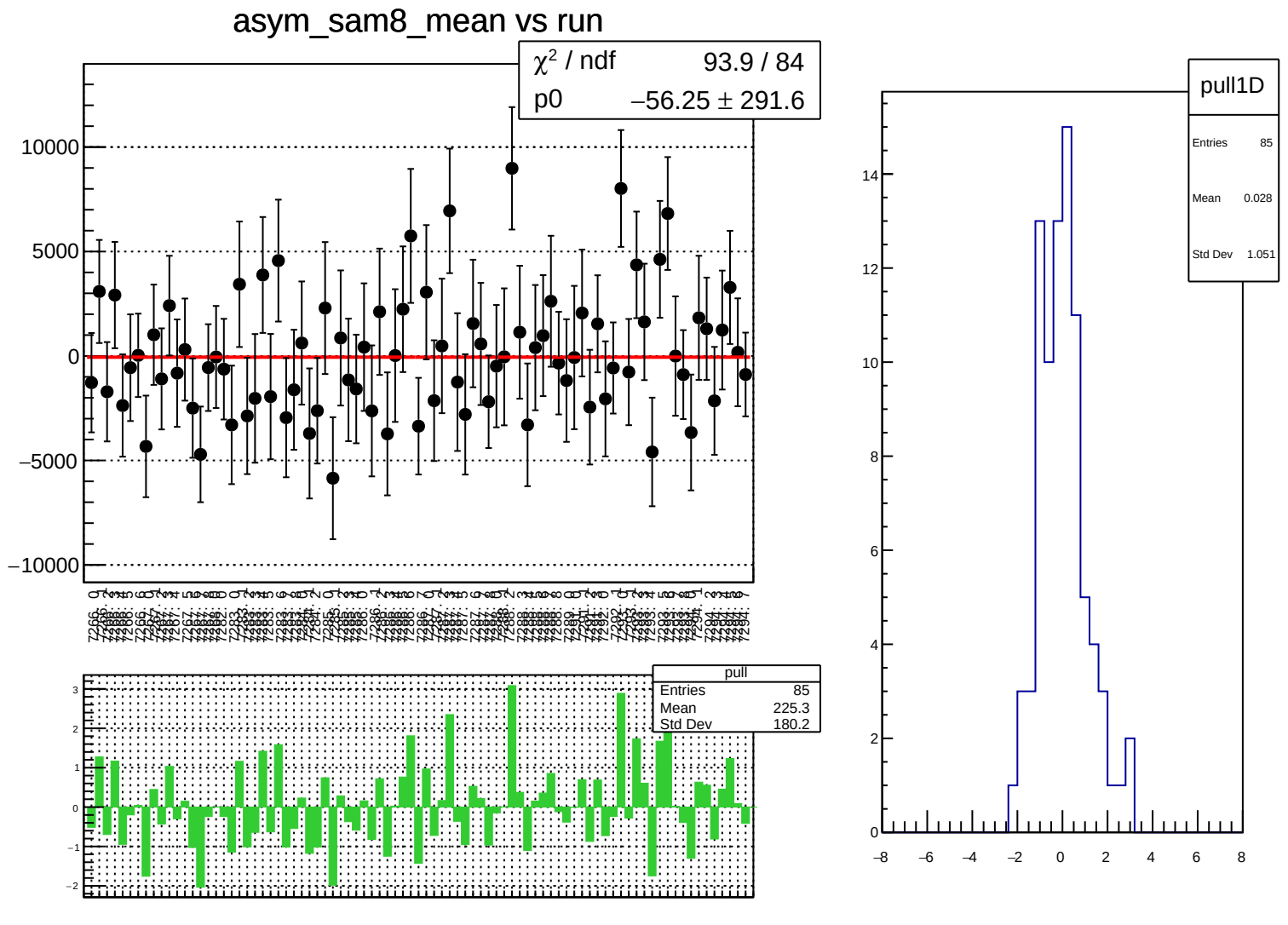


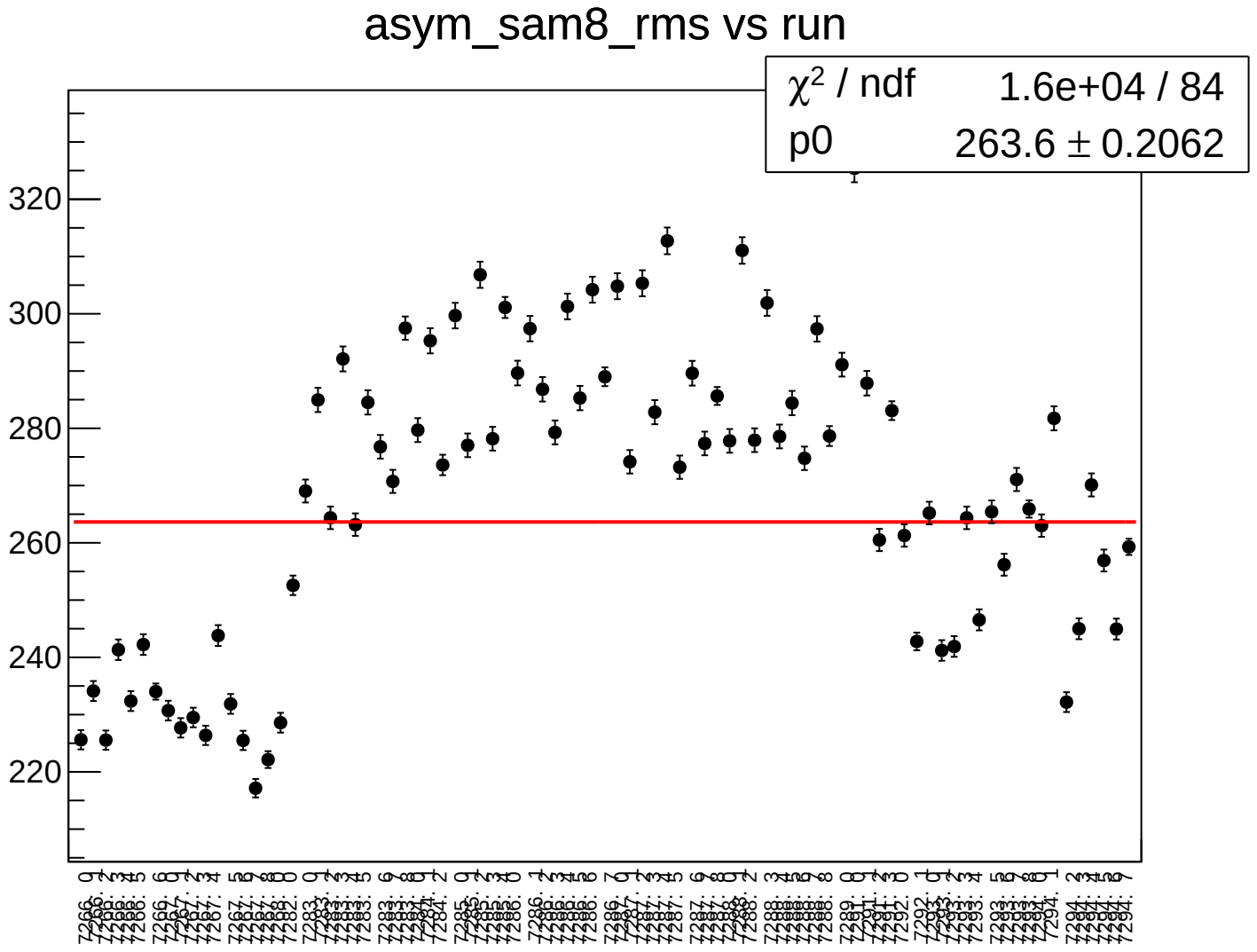

dit_asym_sam8_mean vs run
χ² / ndf 77.09 / 84
p0 −112.7 ± 168.5
pull
Entries 85
Mean −128.6
Std Dev 170.3
pull1D
Entries 85
Mean 0.01495
Std Dev 0.9522

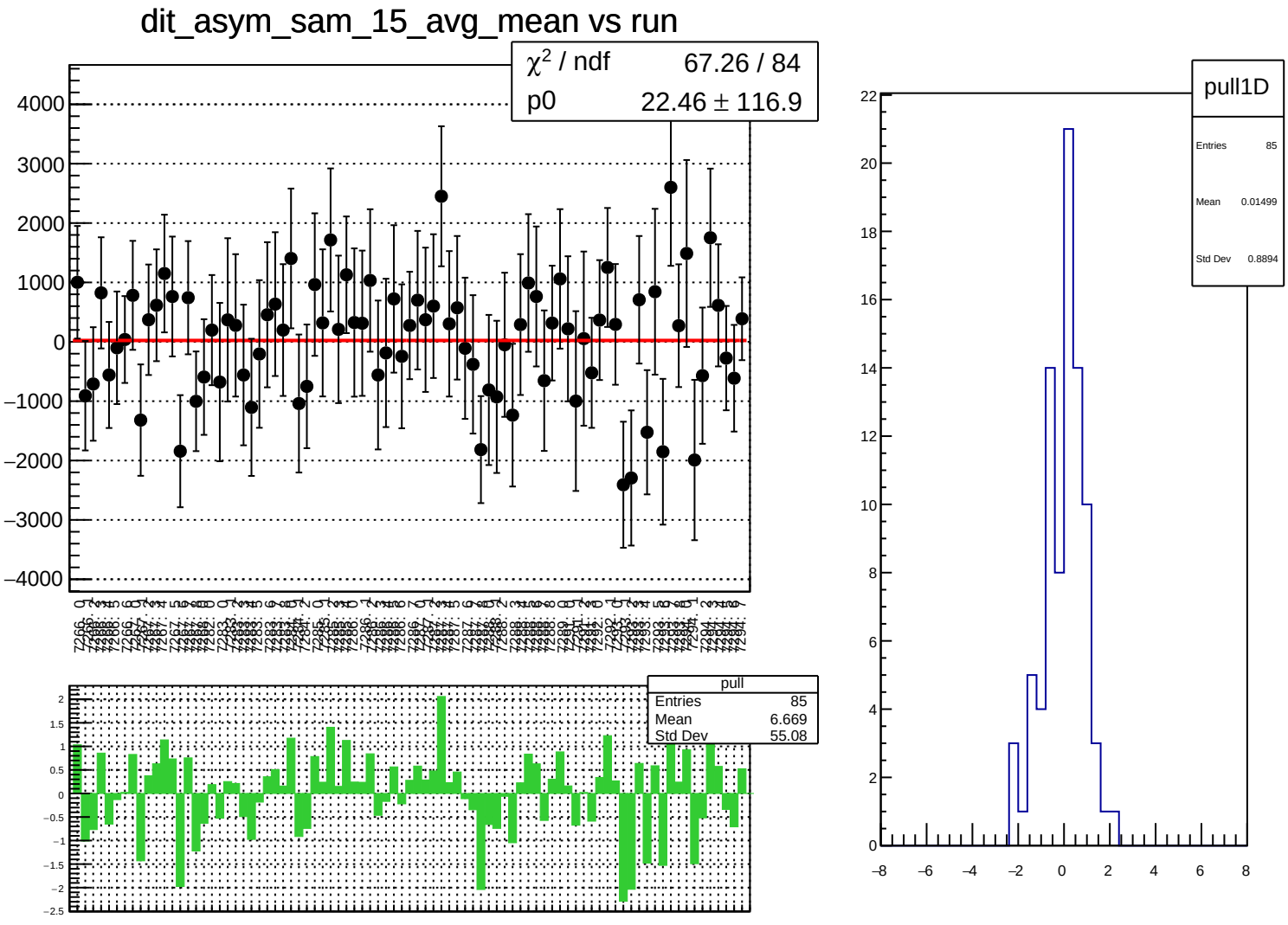

dit_asym_sam8_rms vs run
χ² / ndf 1.293e+05 / 84
p0 147 ± 0.1191
300
250
200
150
100


asym_sam8_correction_mean vs run
χ² / ndf 95.67 / 84
p0 −6.31 ± 336.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 256.6
Std Dev 212.4
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.02435
Std Dev 1.061
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

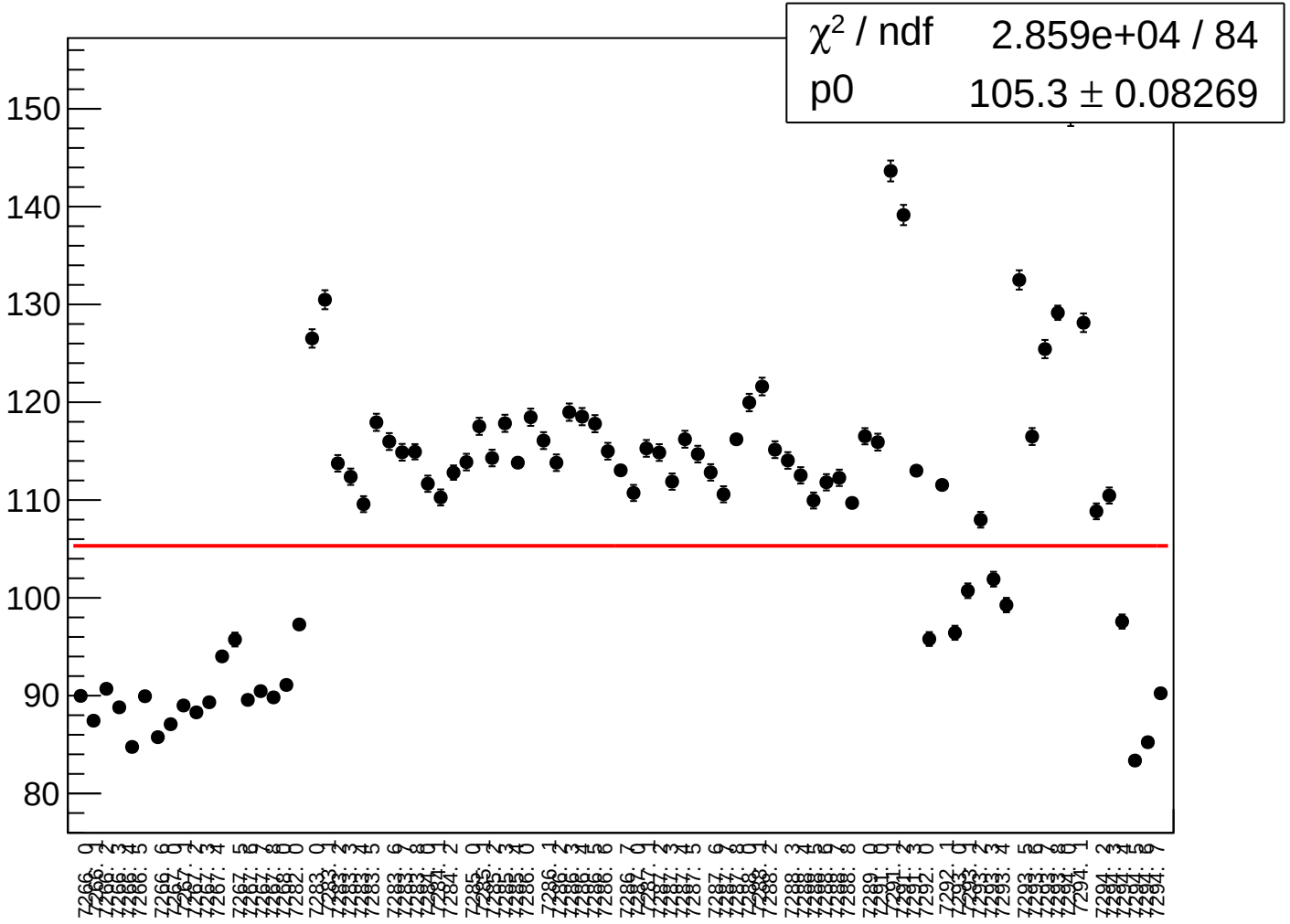

asym_sam8_correction_rms vs run
χ^2 / ndf 1.979e+04 / 84
p0 304 ± 0.238
400
380
360
340
320
300
280
260
240

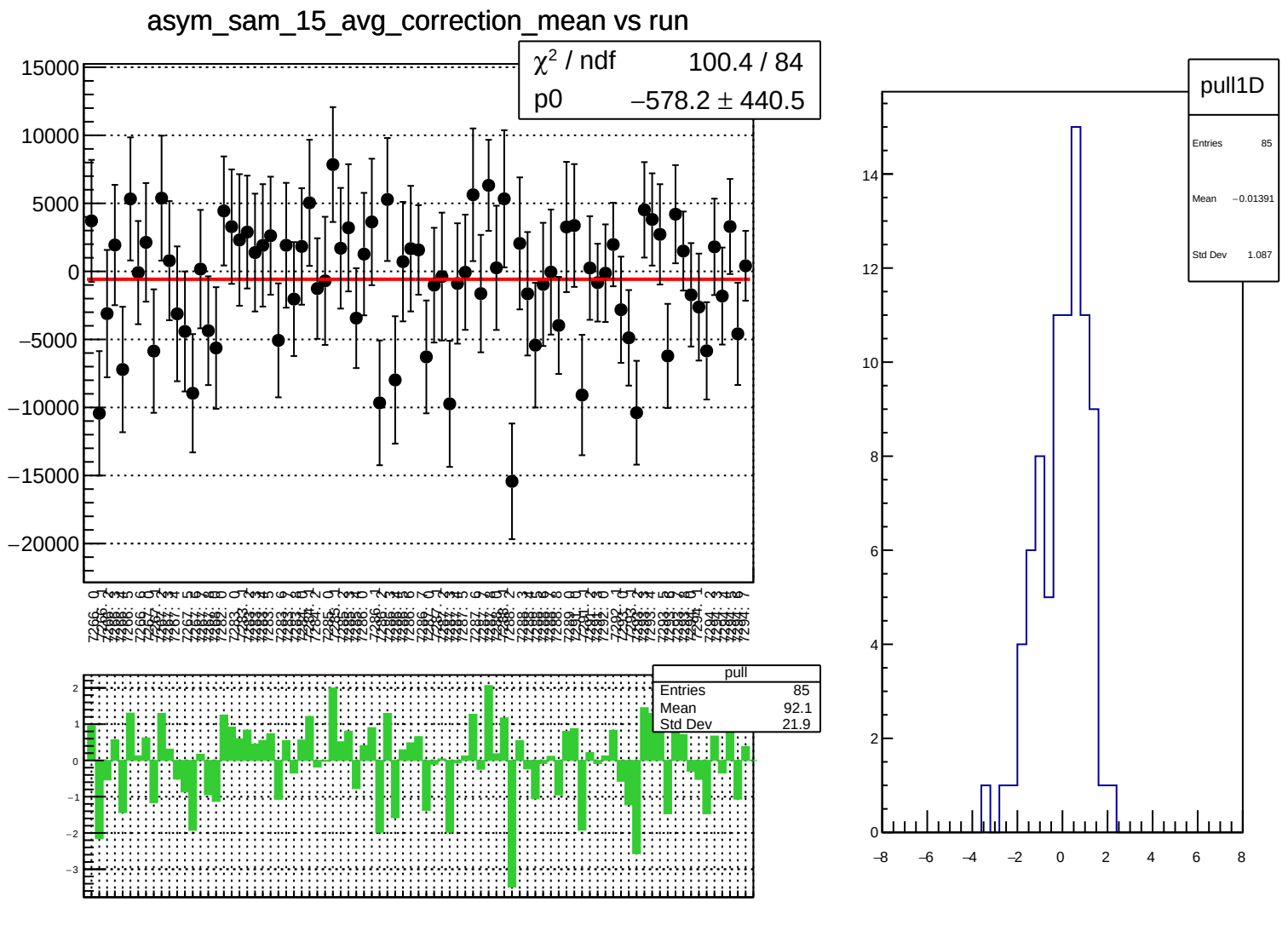

asym_sam8_mean vs run
χ² / ndf 93.9 / 84
p0 −56.25 ± 291.6
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 225.3
Std Dev 180.2
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.028
Std Dev 1.051
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_rms vs run
χ² / ndf 1.6e+04 / 84
p0 263.6 ± 0.2062
320
300
280
260
240
220

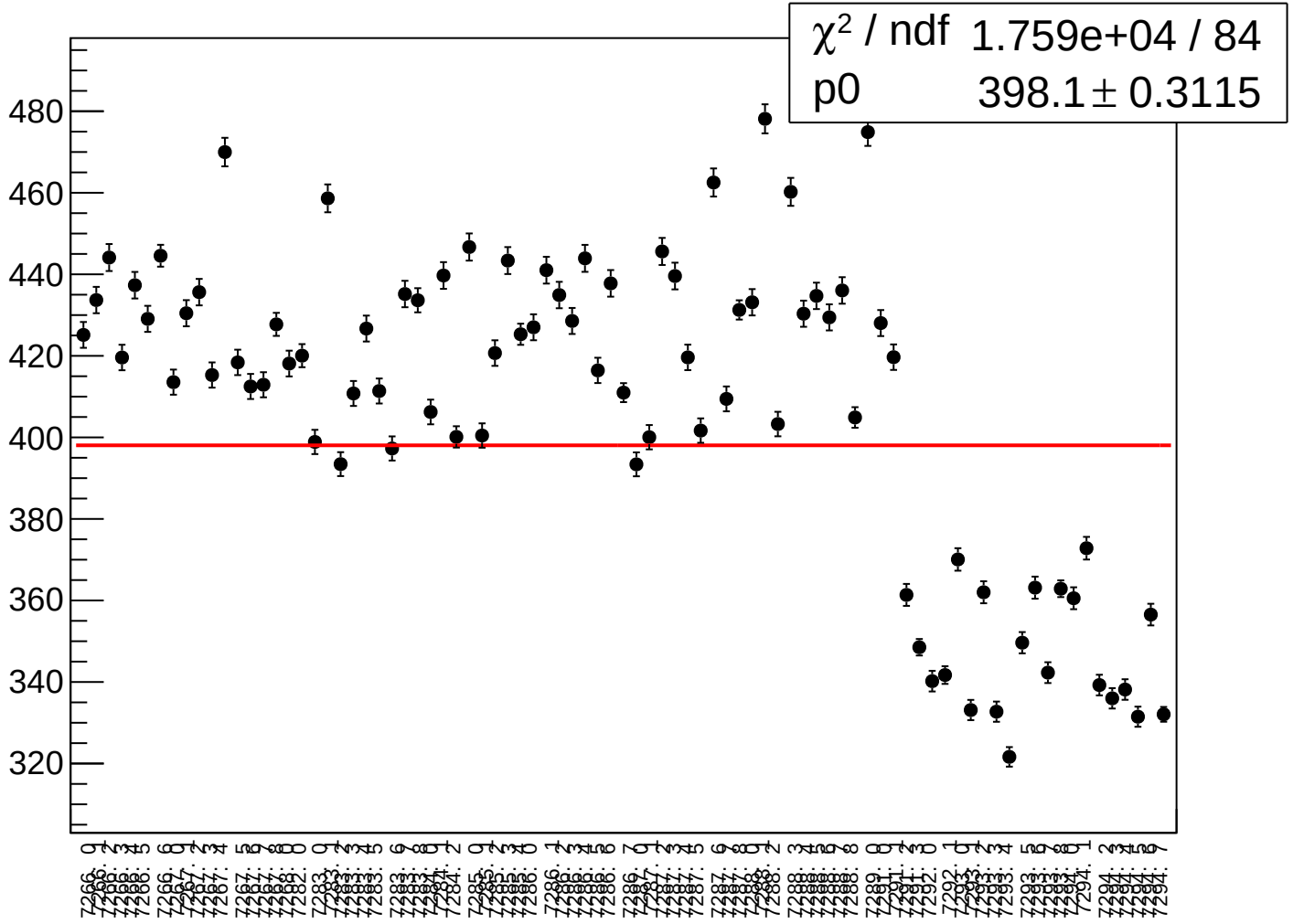

dit_asym_sam_15_avg_mean vs run
χ^2 / ndf 67.26 / 84
p0 22.46 ± 116.9
pull
Entries 85
Mean 6.669
Std Dev 55.08
pull1D
Entries 85
Mean 0.01499
Std Dev 0.8894

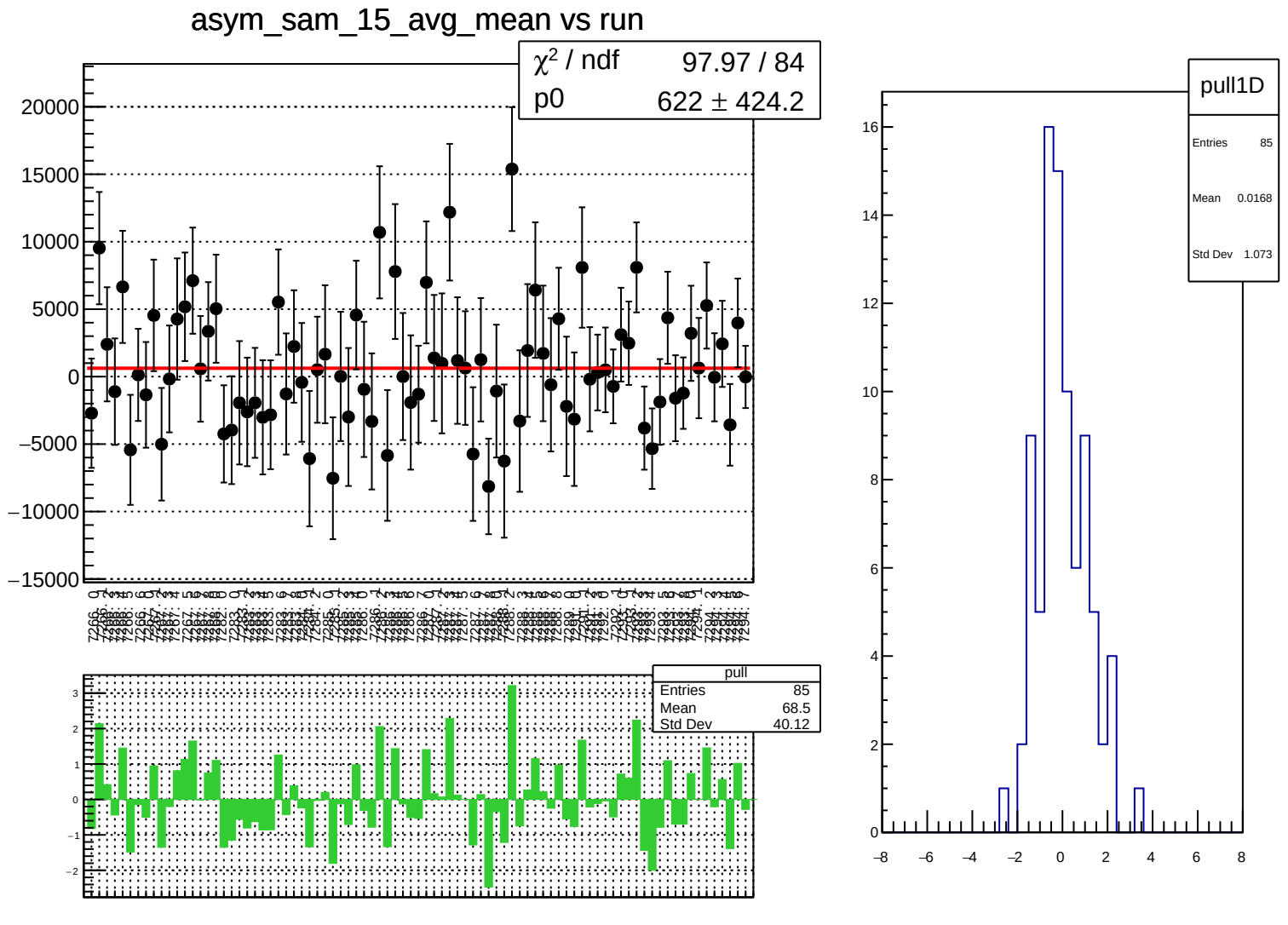
dit_asym_sam_15_avg_rms vs run

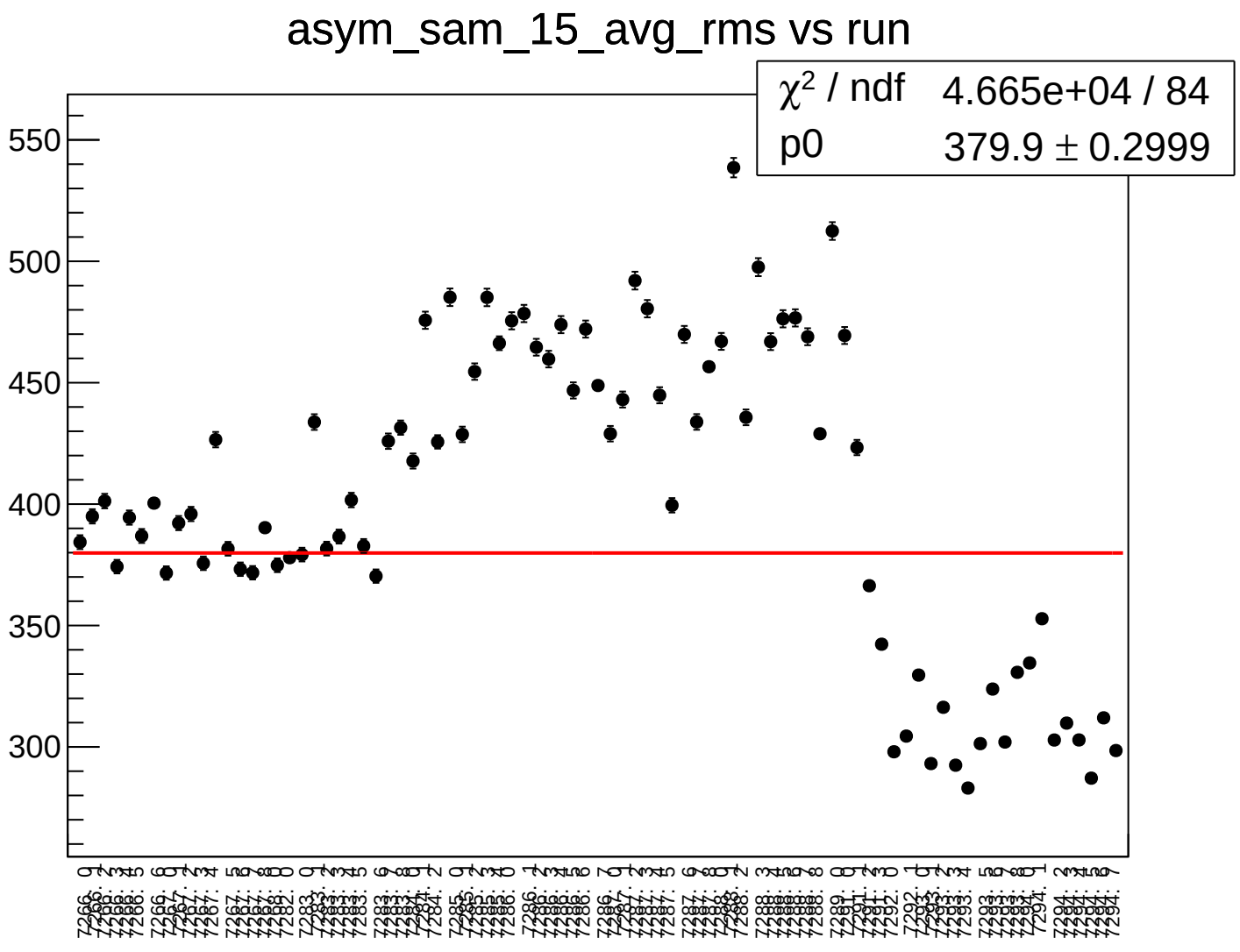


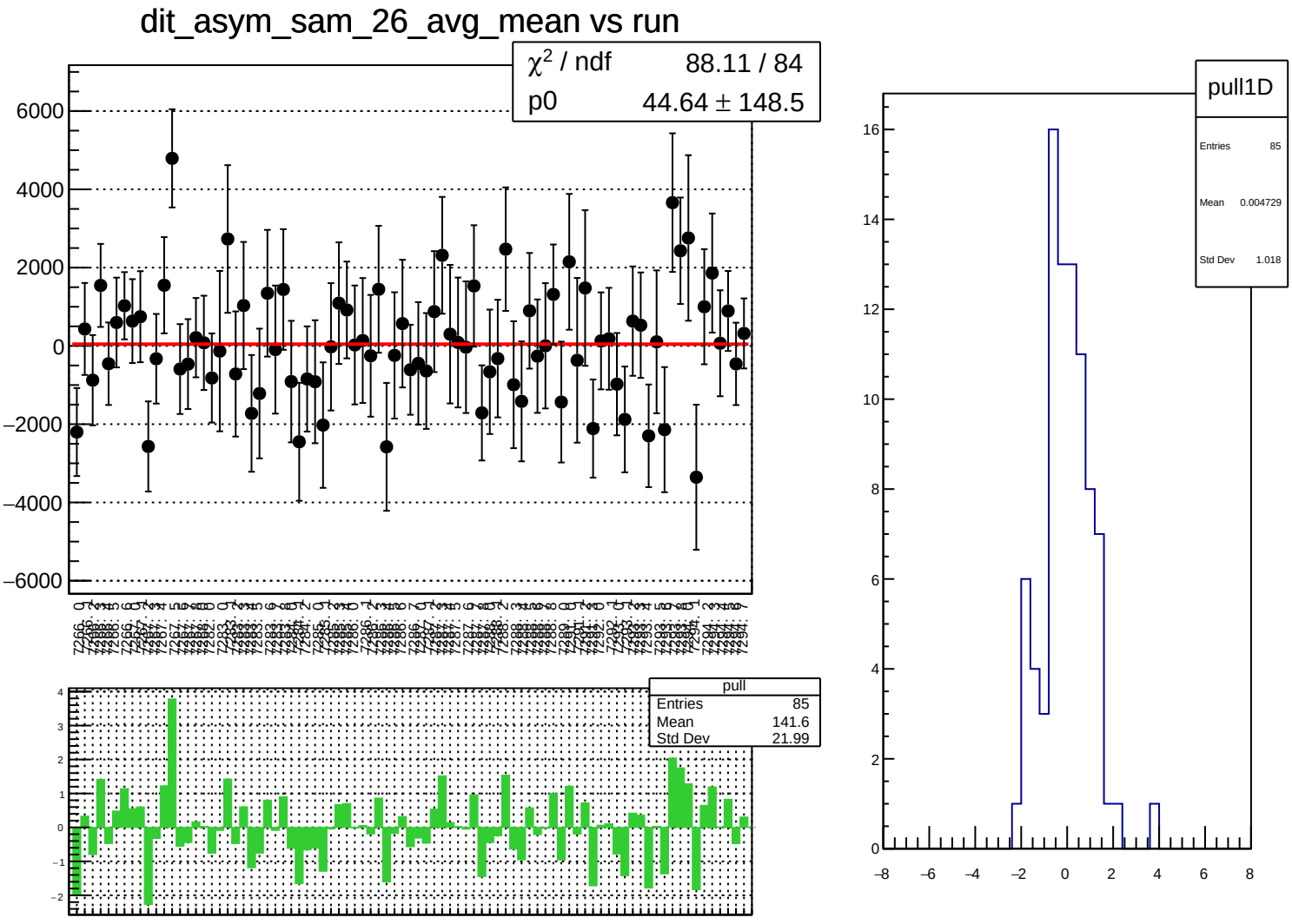

asym_sam_15_avg_correction_mean vs run
χ² / ndf 100.4 / 84
p0 −578.2 ± 440.5
pull
Entries 85
Mean 92.1
Std Dev 21.9
pull1D
Entries 85
Mean −0.01391
Std Dev 1.087

asym_sam_15_avg_correction_rms vs run

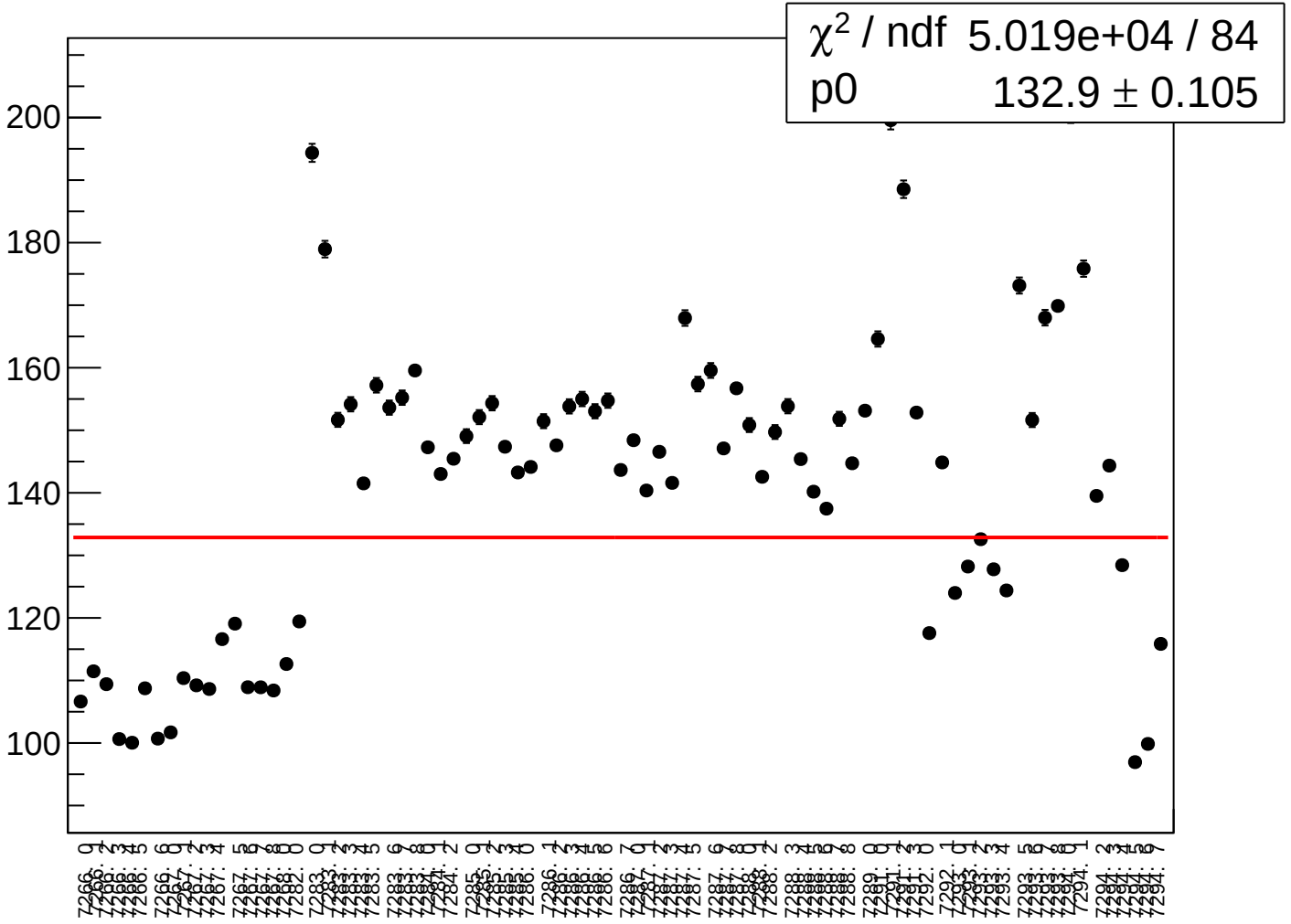


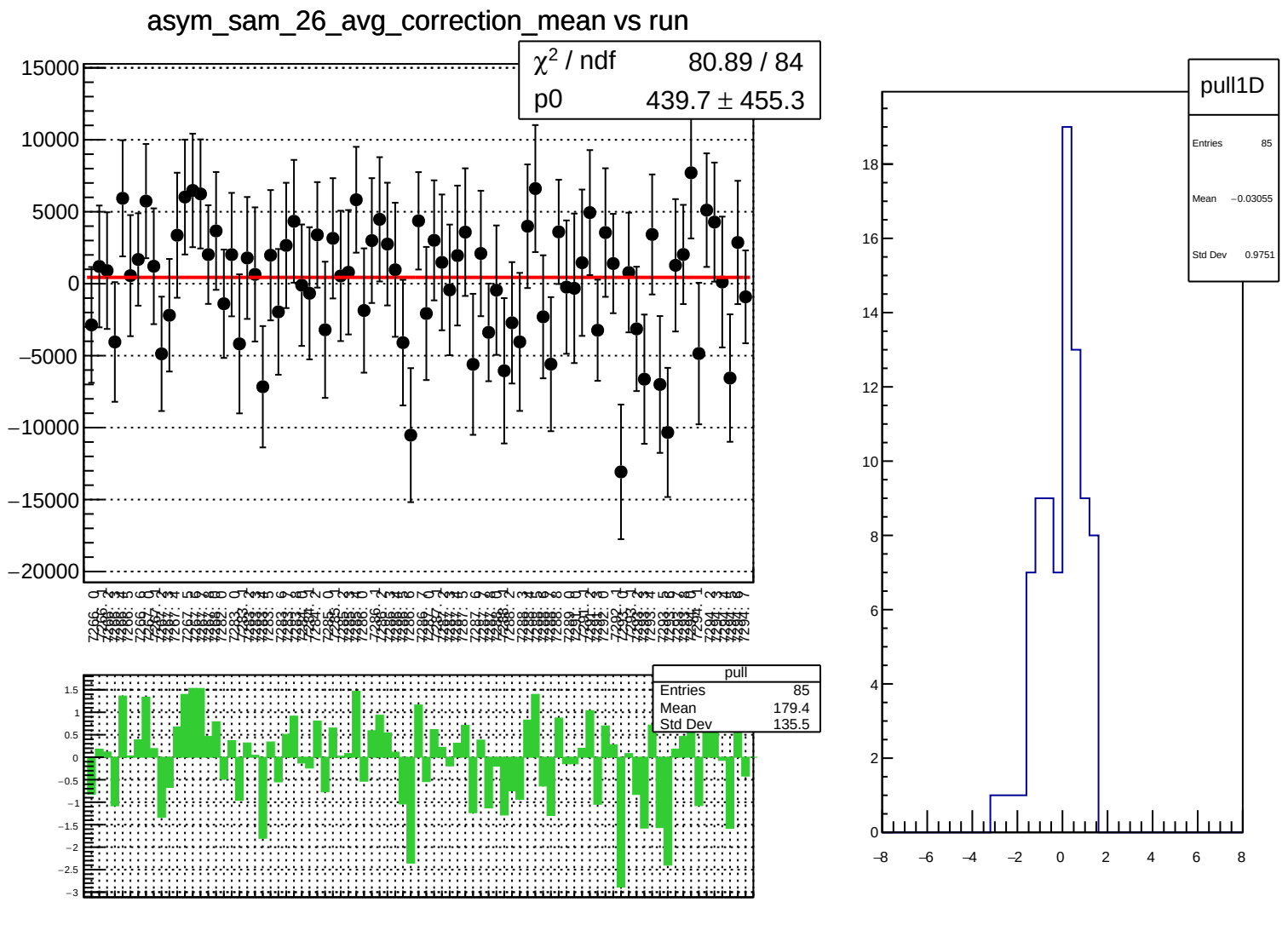

asym_sam_15_avg_mean vs run
χ² / ndf 97.97 / 84
p0 622 ± 424.2
pull
Entries 85
Mean 68.5
Std Dev 40.12
pull1D
Entries 85
Mean 0.0168
Std Dev 1.073


asym_sam_15_avg_rms vs run
χ^2 / ndf 4.665e+04 / 84
p0 379.9 ± 0.2999
550
500
450
400
350
300

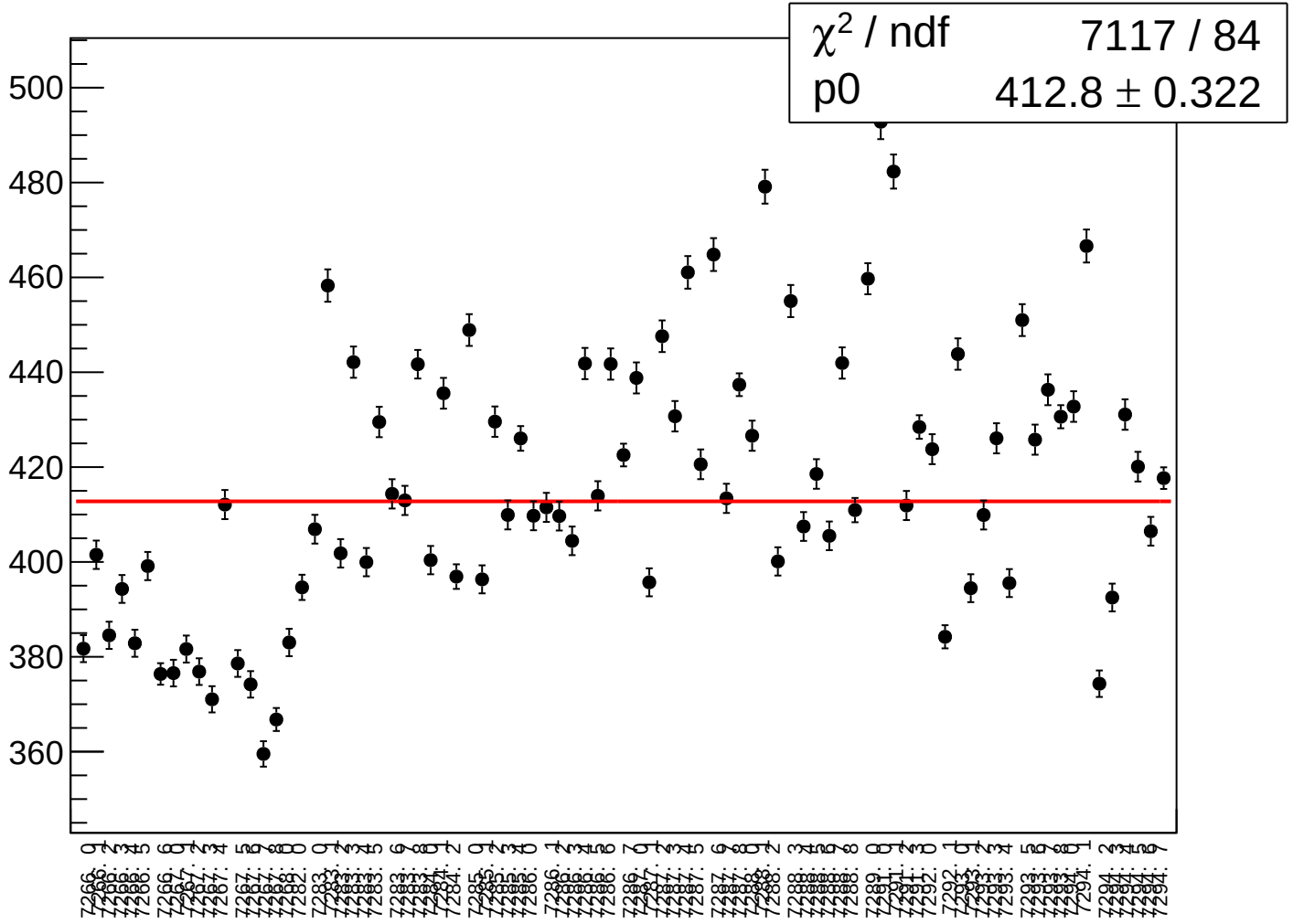

dit_asym_sam_26_avg_mean vs run
χ² / ndf 88.11 / 84
p0 44.64 ± 148.5
pull
Entries 85
Mean 141.6
Std Dev 21.99
pull1D
Entries 85
Mean 0.004729
Std Dev 1.018

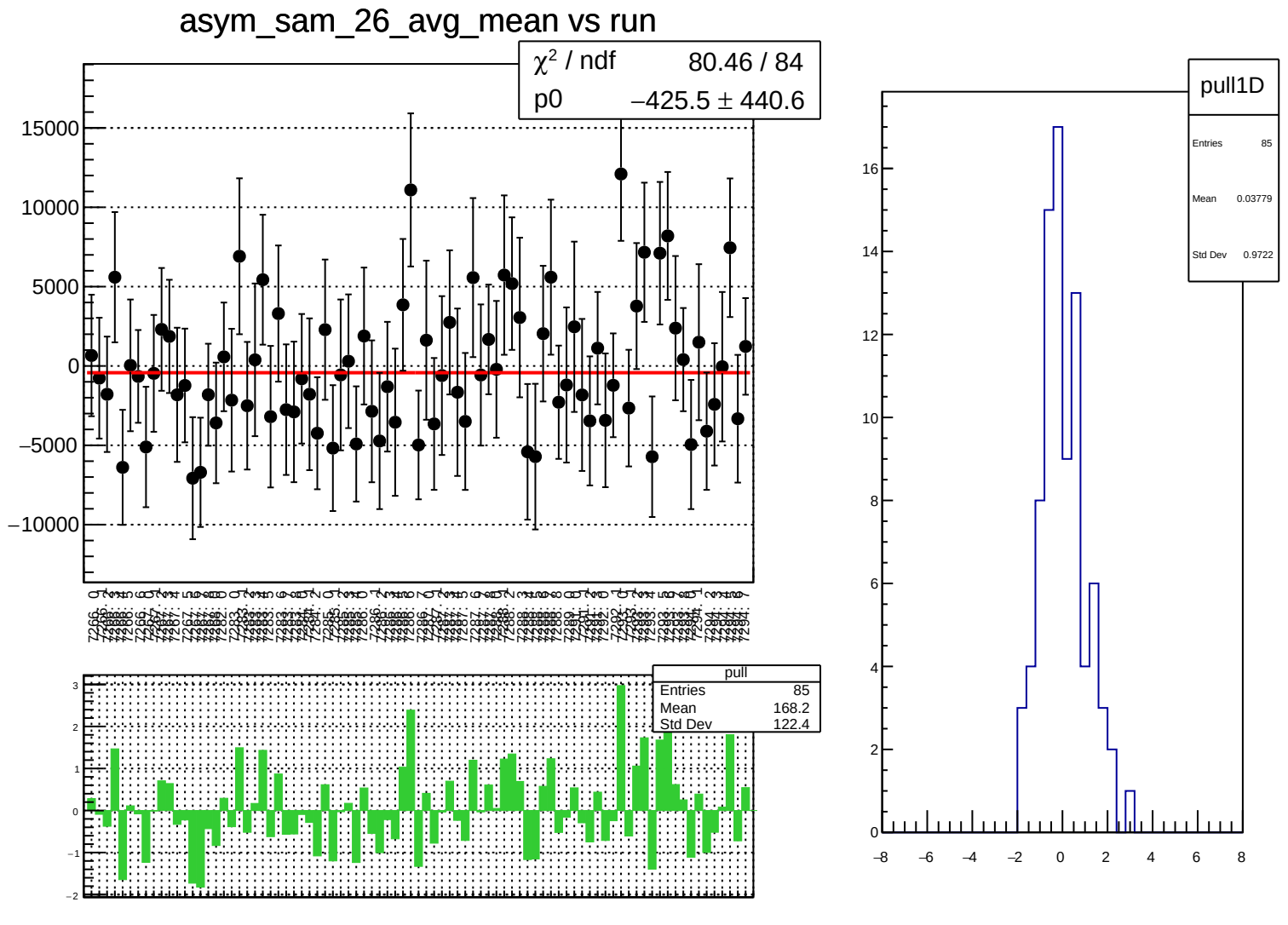
dit_asym_sam_26_avg_rms vs run

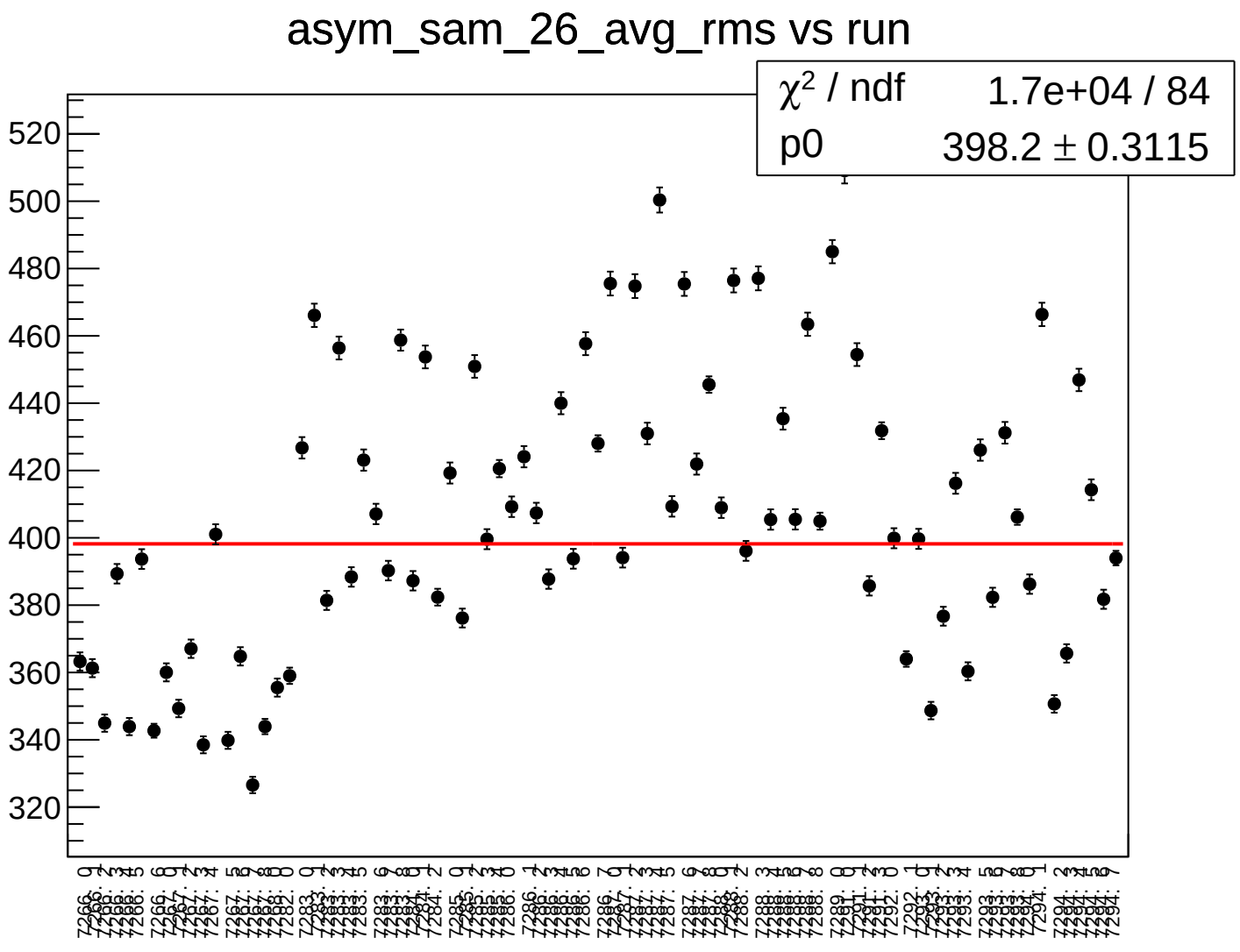


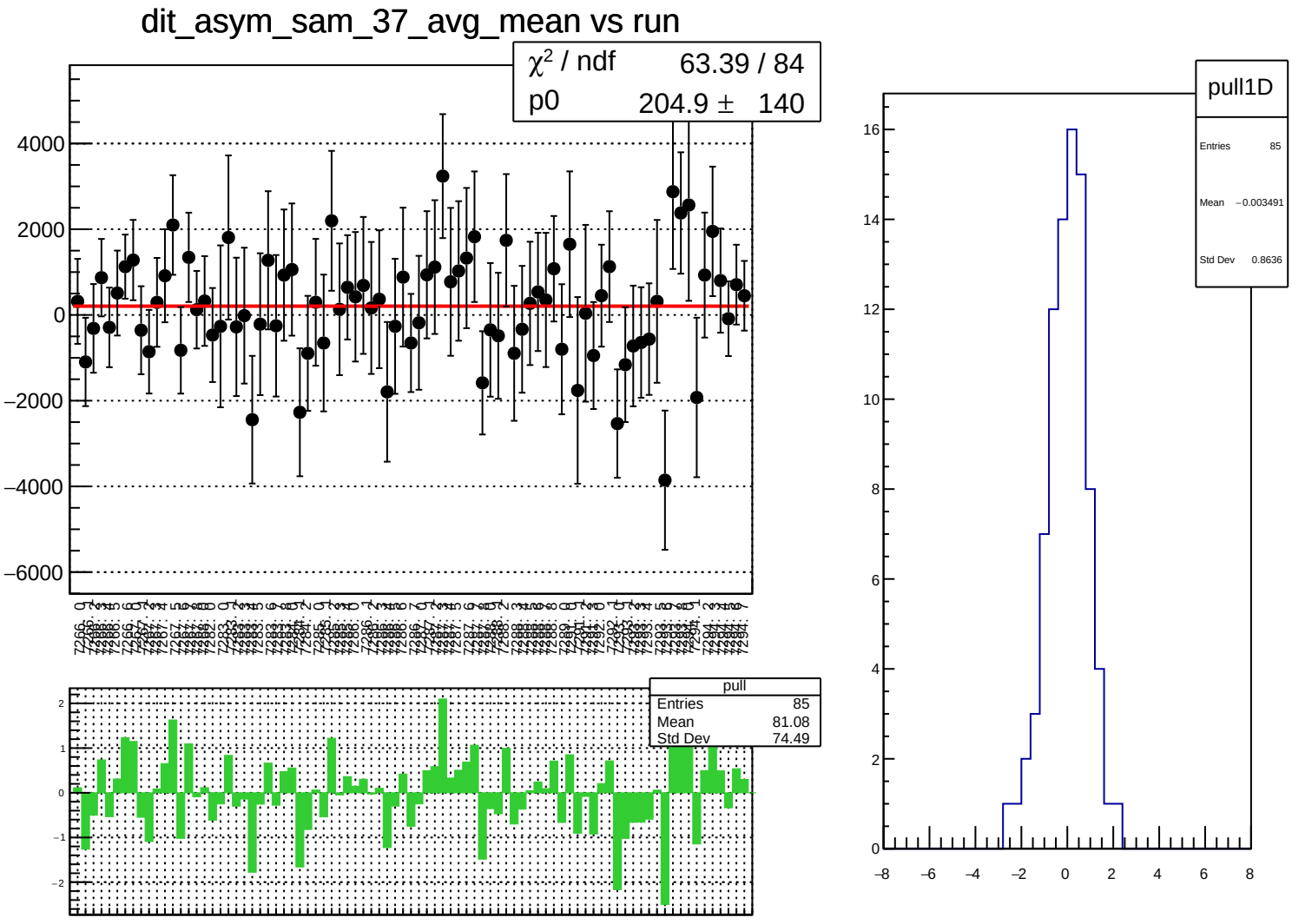

asym_sam_26_avg_correction_mean vs run
χ² / ndf 80.89 / 84
p0 439.7 ± 455.3
pull
Entries 85
Mean 179.4
Std Dev 135.5
pull1D
Entries 85
Mean −0.03055
Std Dev 0.9751

asym_sam_26_avg_correction_rms vs run

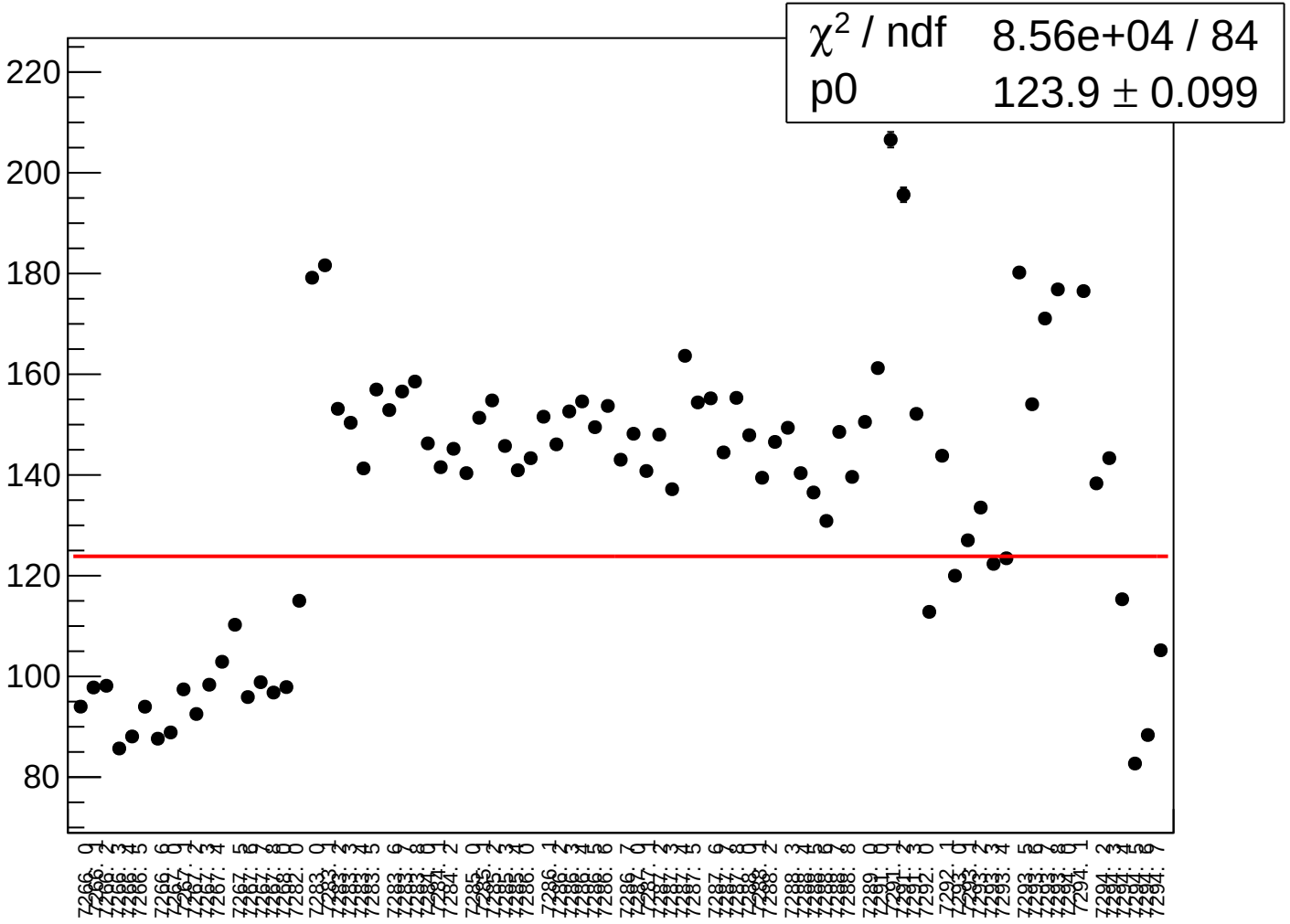


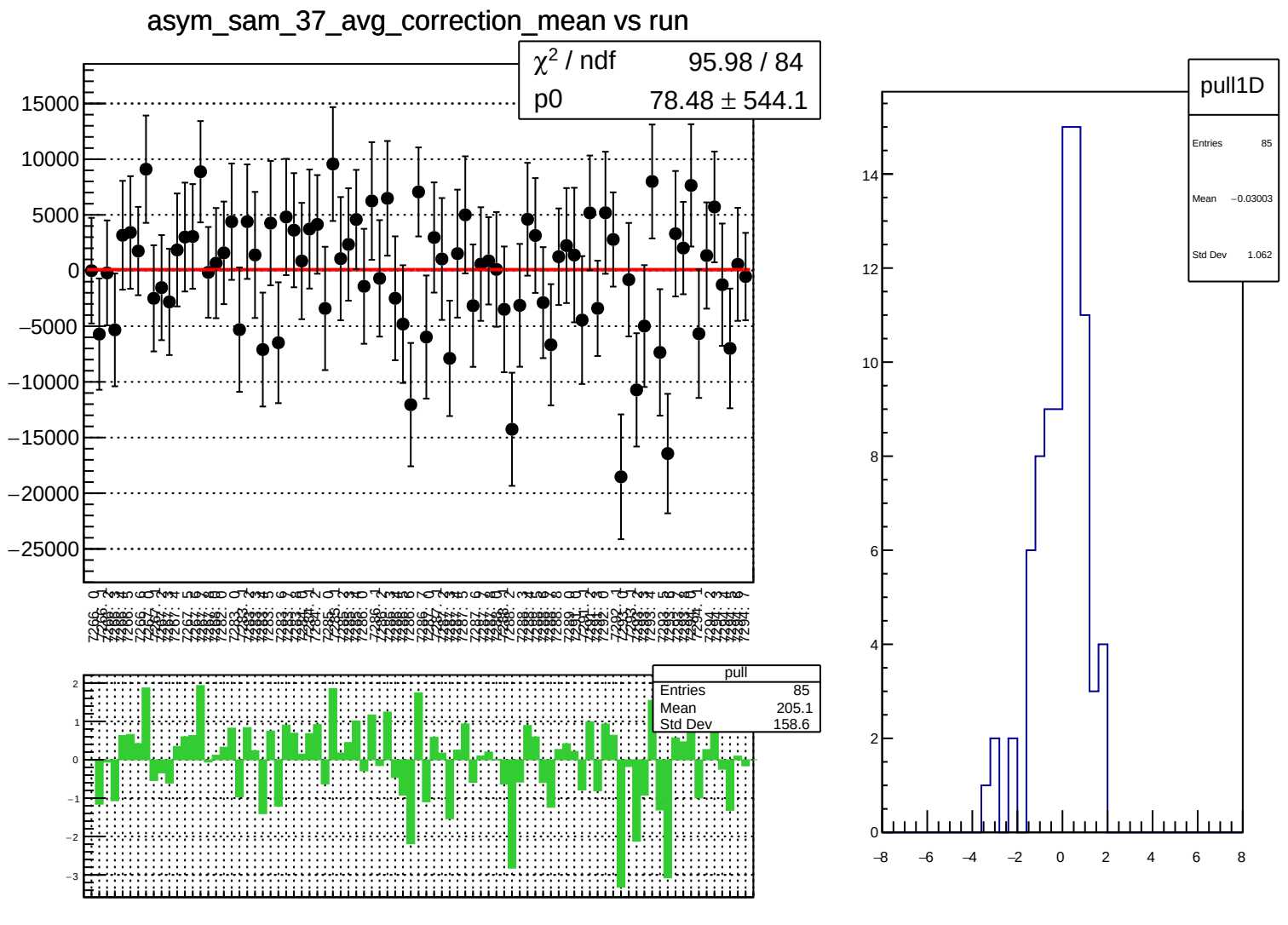

asym_sam_26_avg_mean vs run
χ² / ndf 80.46 / 84
p0 −425.5 ± 440.6
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 168.2
Std Dev 122.4
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.03779
Std Dev 0.9722
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

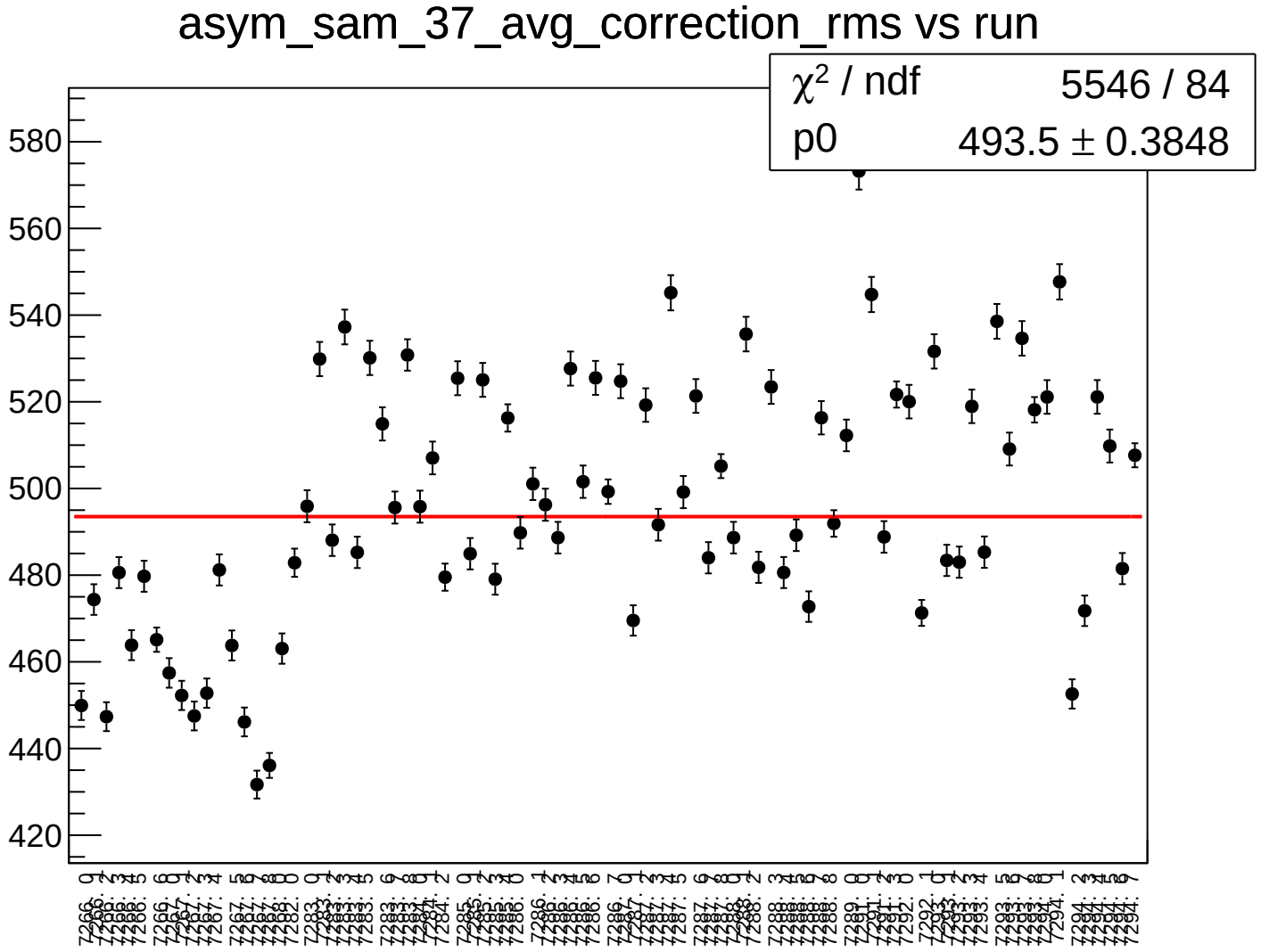

asym_sam_26_avg_rms vs run
χ^2 / ndf 1.7e+04 / 84
p0 398.2 ± 0.3115
520
500
480
460
440
420
400
380
360
340
320

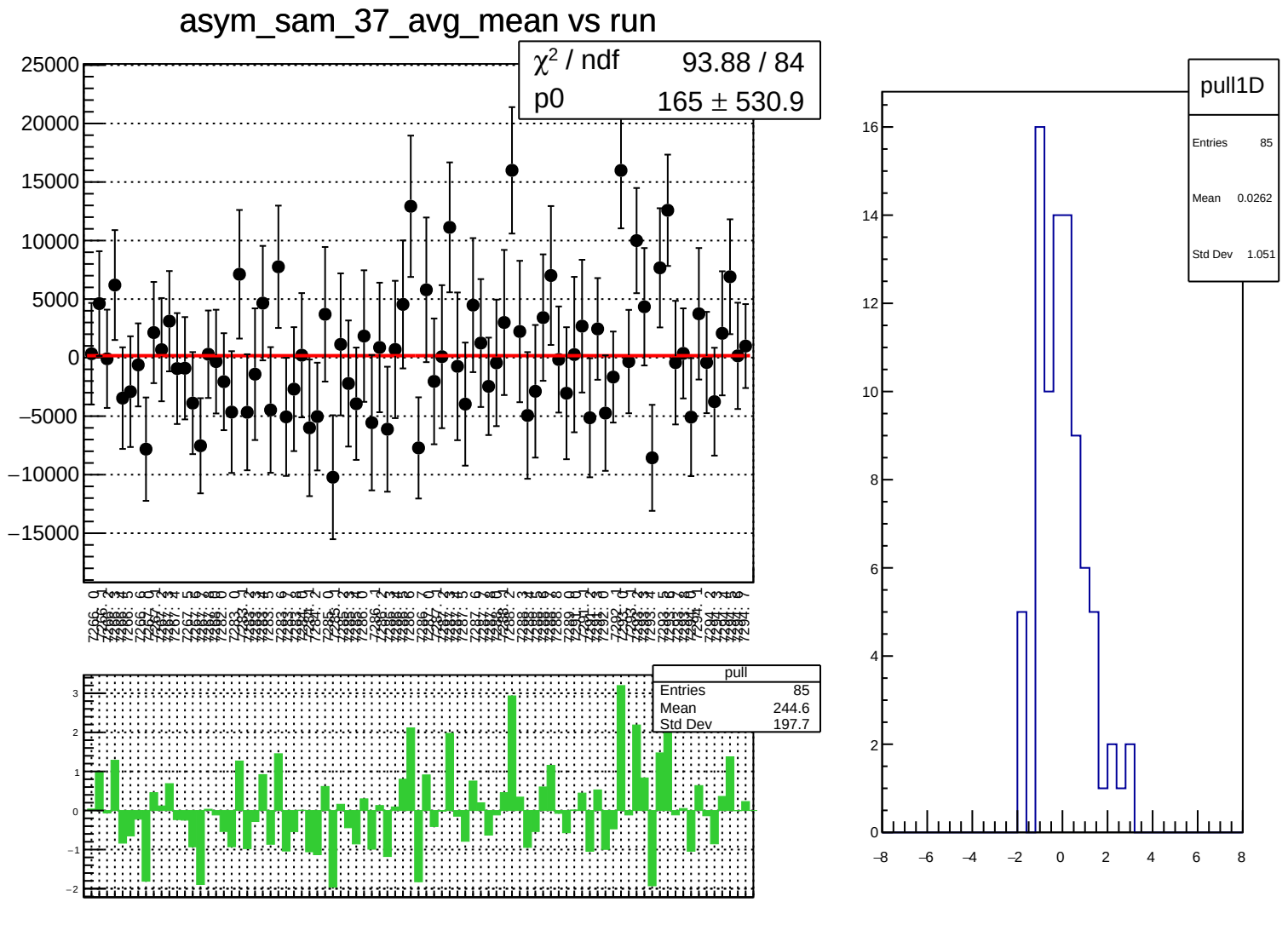

dit_asym_sam_37_avg_mean vs run
χ² / ndf 63.39 / 84
p0 204.9 ± 140
4000
2000
0
−2000
−4000
−6000
pull
Entries 85
Mean 81.08
Std Dev 74.49
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.003491
Std Dev 0.8636
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

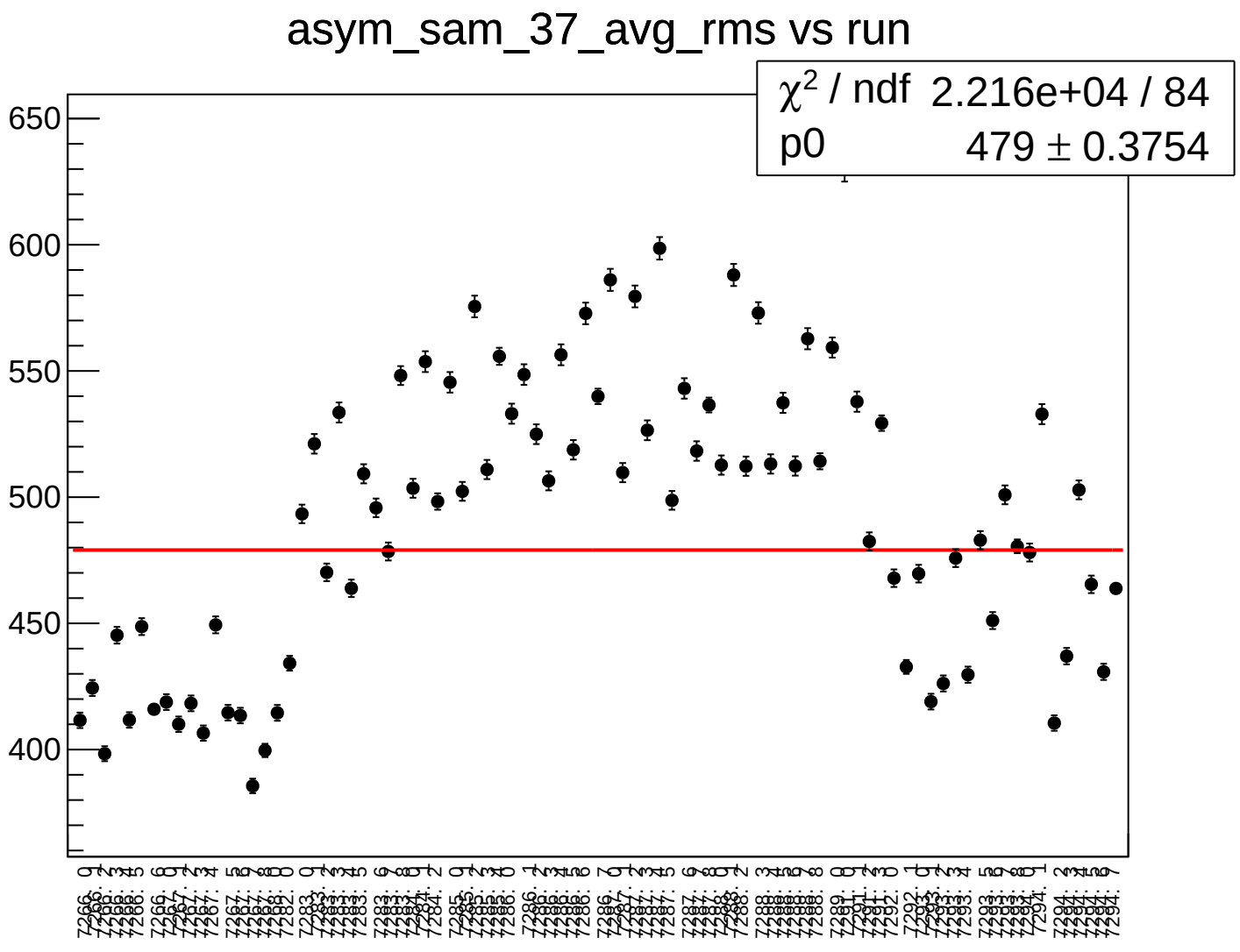
dit_asym_sam_37_avg_rms vs run

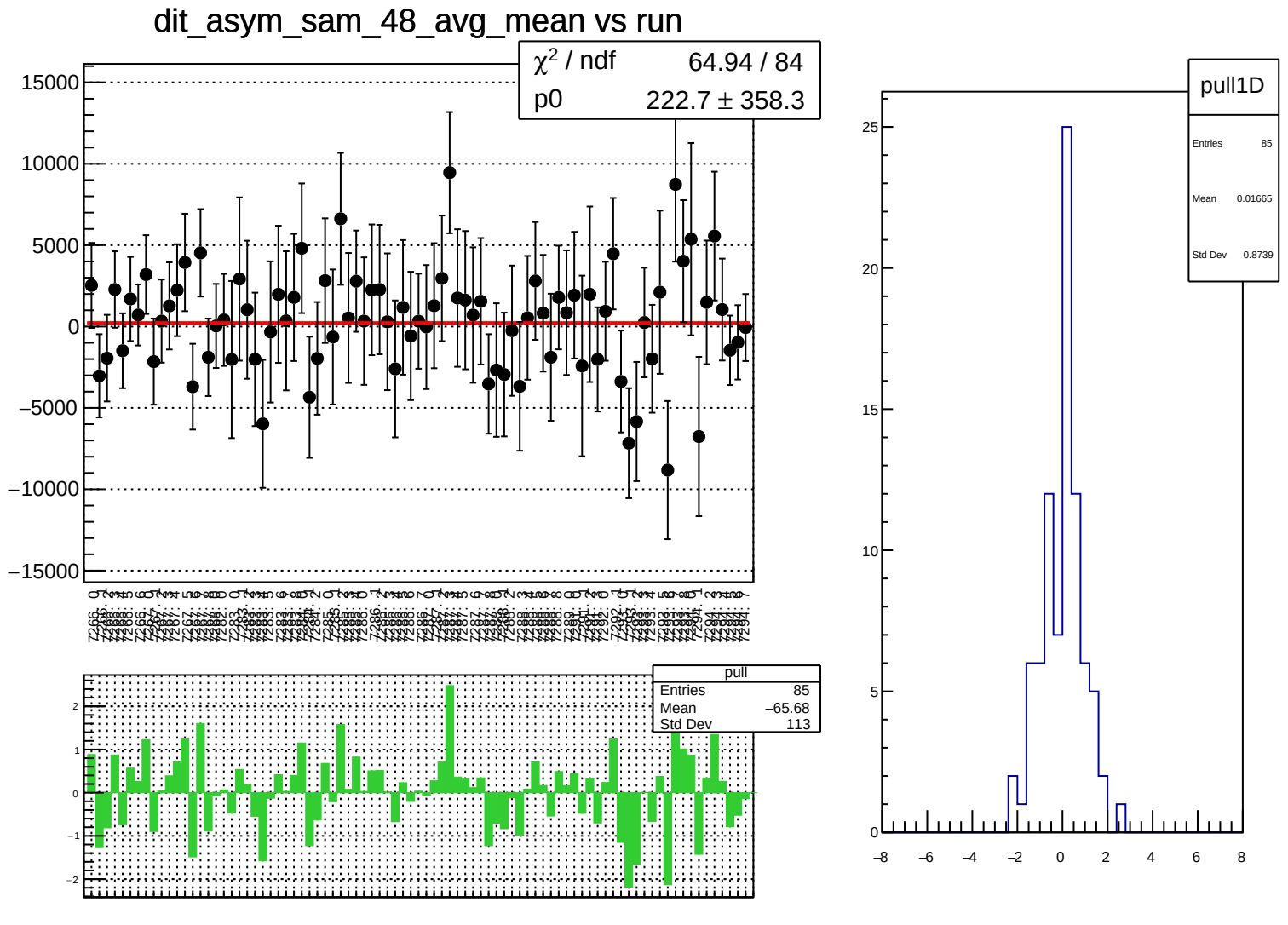



asym_sam_37_avg_correction_mean vs run
χ² / ndf 95.98 / 84
p0 78.48 ± 544.1
pull
Entries 85
Mean 205.1
Std Dev 158.6
pull1D
Entries 85
Mean −0.03003
Std Dev 1.062

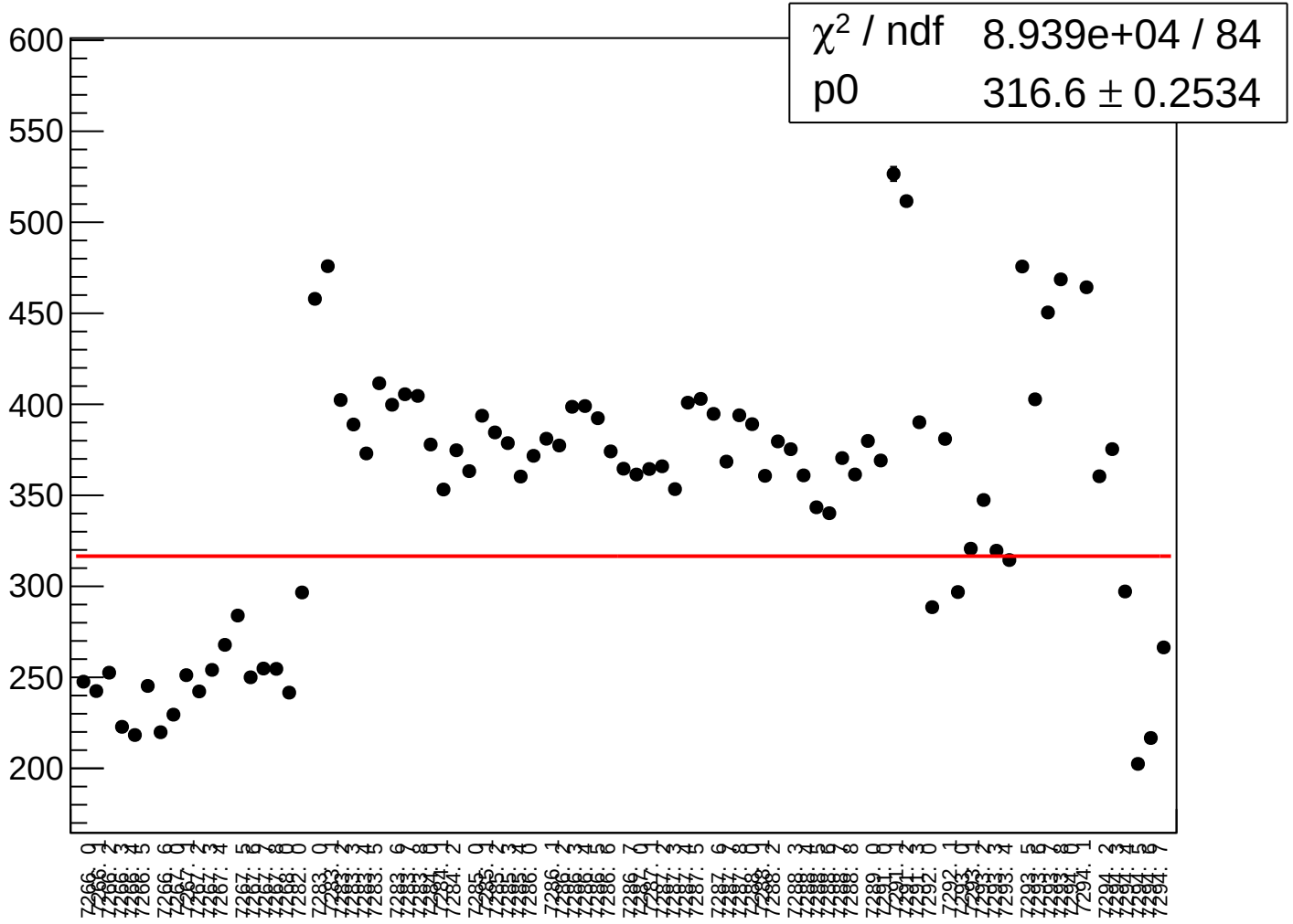

asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 5546 / 84
p0 493.5 ± 0.3848
580
560
540
520
500
480
460
440
420

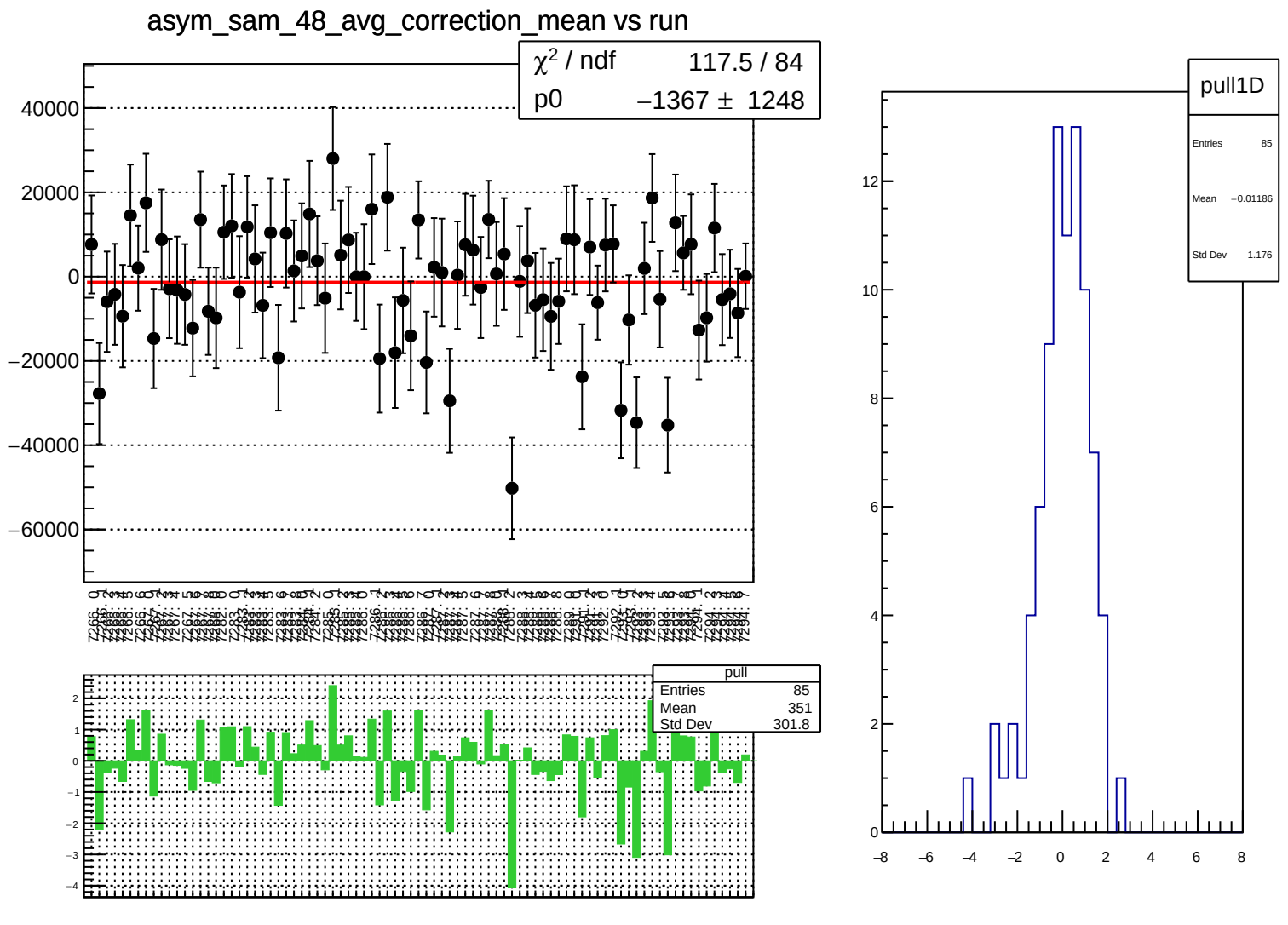

asym_sam_37_avg_mean vs run
χ² / ndf 93.88 / 84
p0 165 ± 530.9
pull
Entries 85
Mean 244.6
Std Dev 197.7
pull1D
Entries 85
Mean 0.0262
Std Dev 1.051


asym_sam_37_avg_rms vs run
χ^2 / ndf 2.216e+04 / 84
p0 479 ± 0.3754
650
600
550
500
450
400

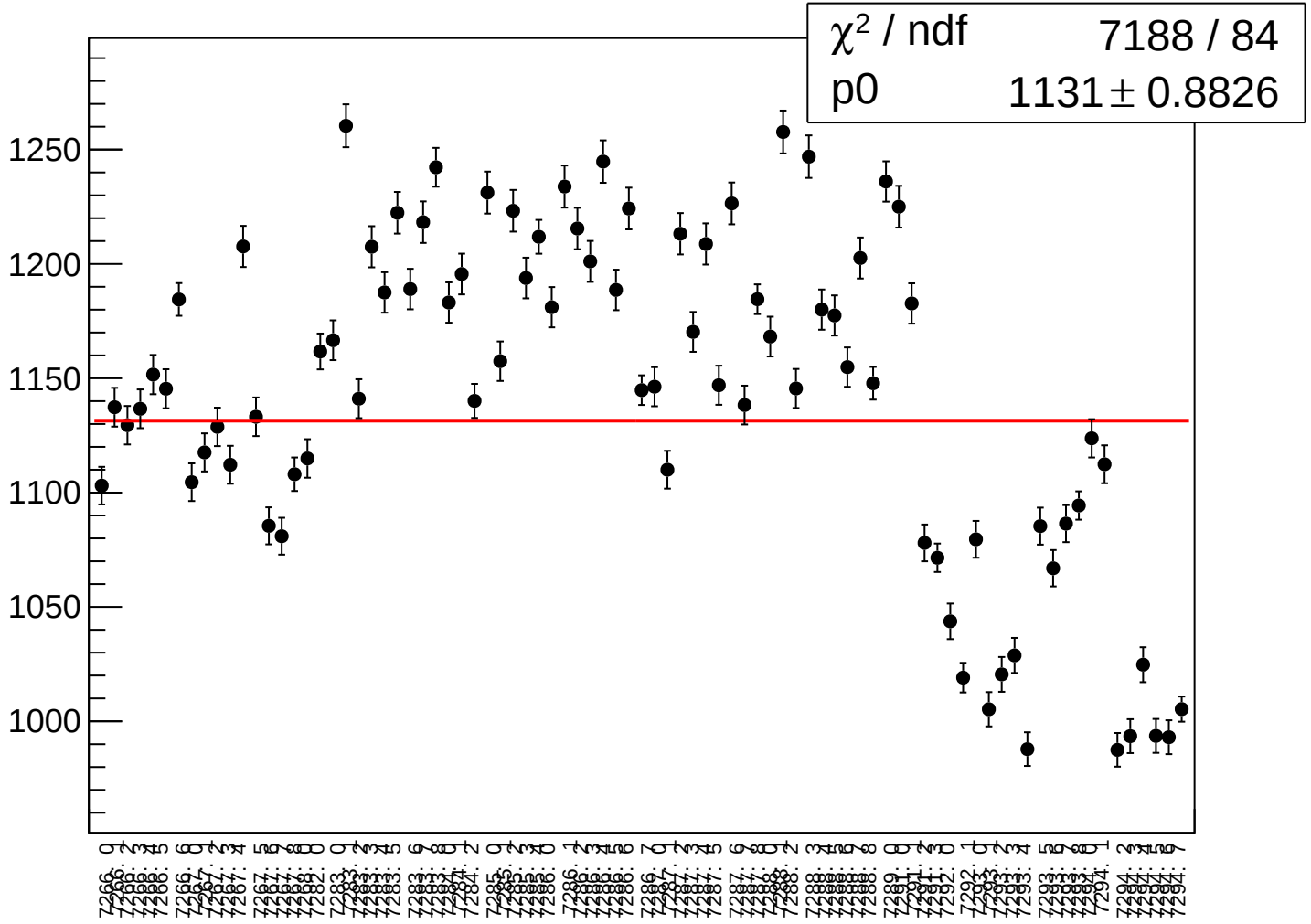

dit_asym_sam_48_avg_mean vs run
χ² / ndf 64.94 / 84
p0 222.7 ± 358.3
pull
Entries 85
Mean −65.68
Std Dev 113
pull1D
Entries 85
Mean 0.01665
Std Dev 0.8739

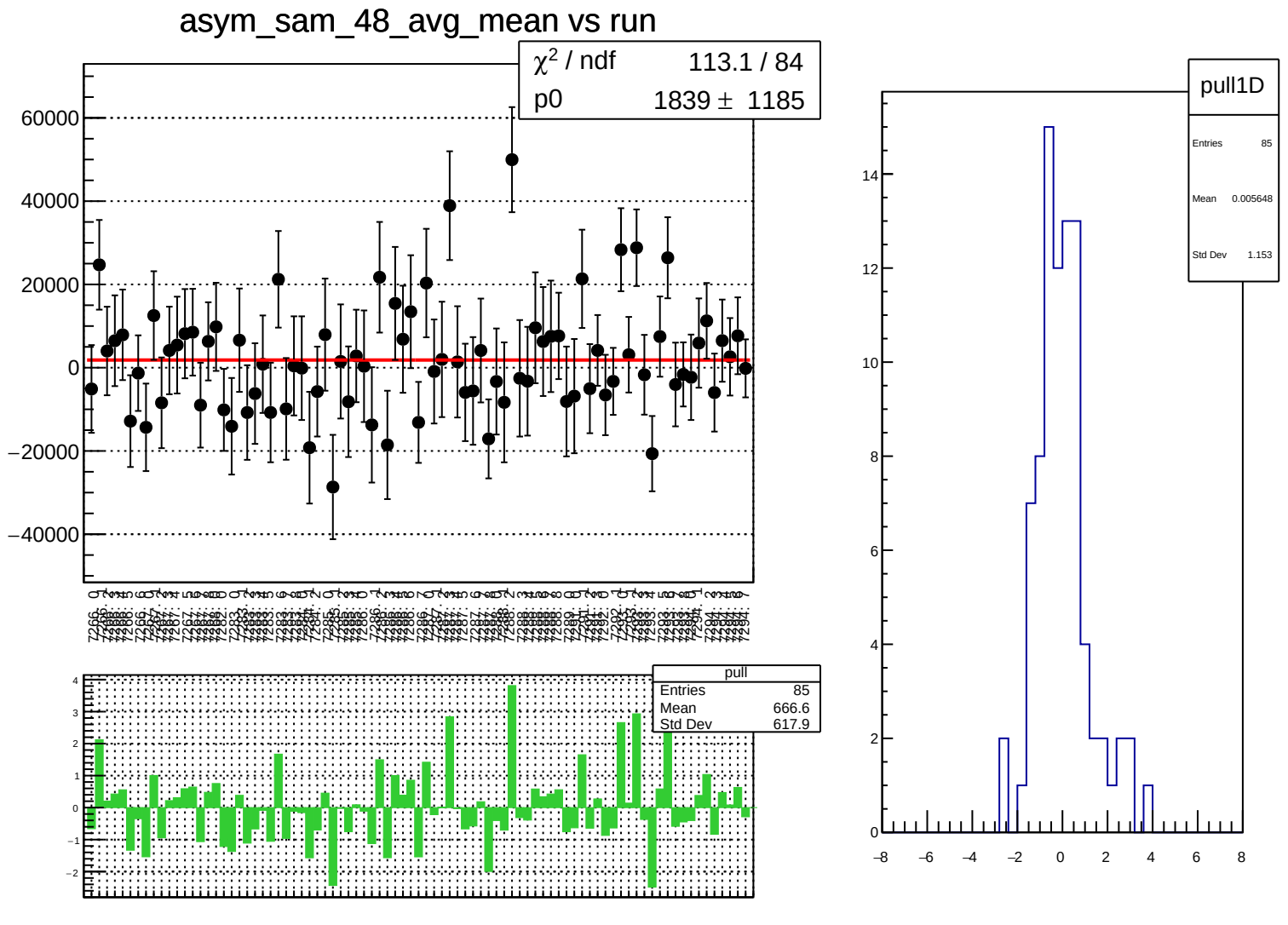
dit_asym_sam_48_avg_rms vs run

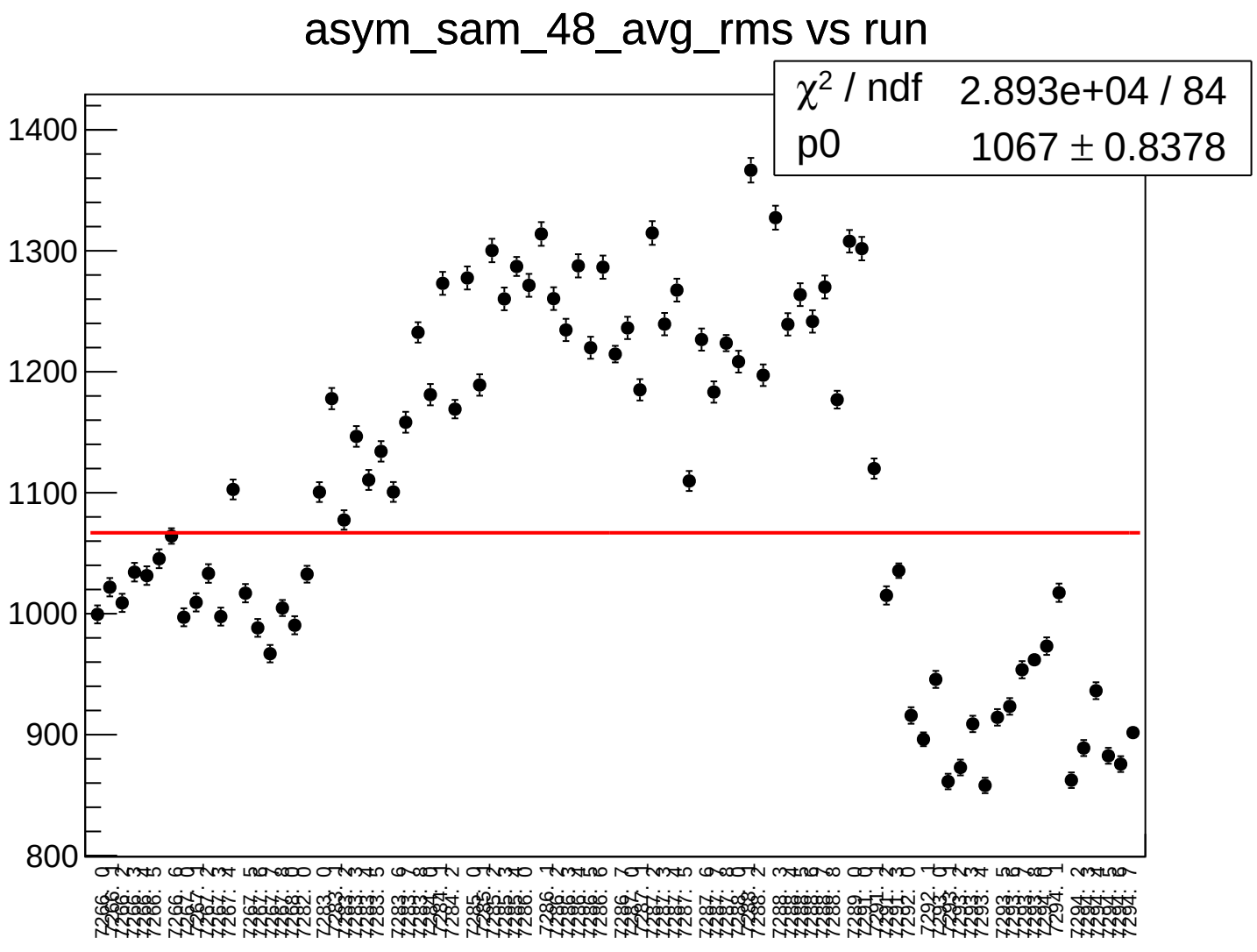


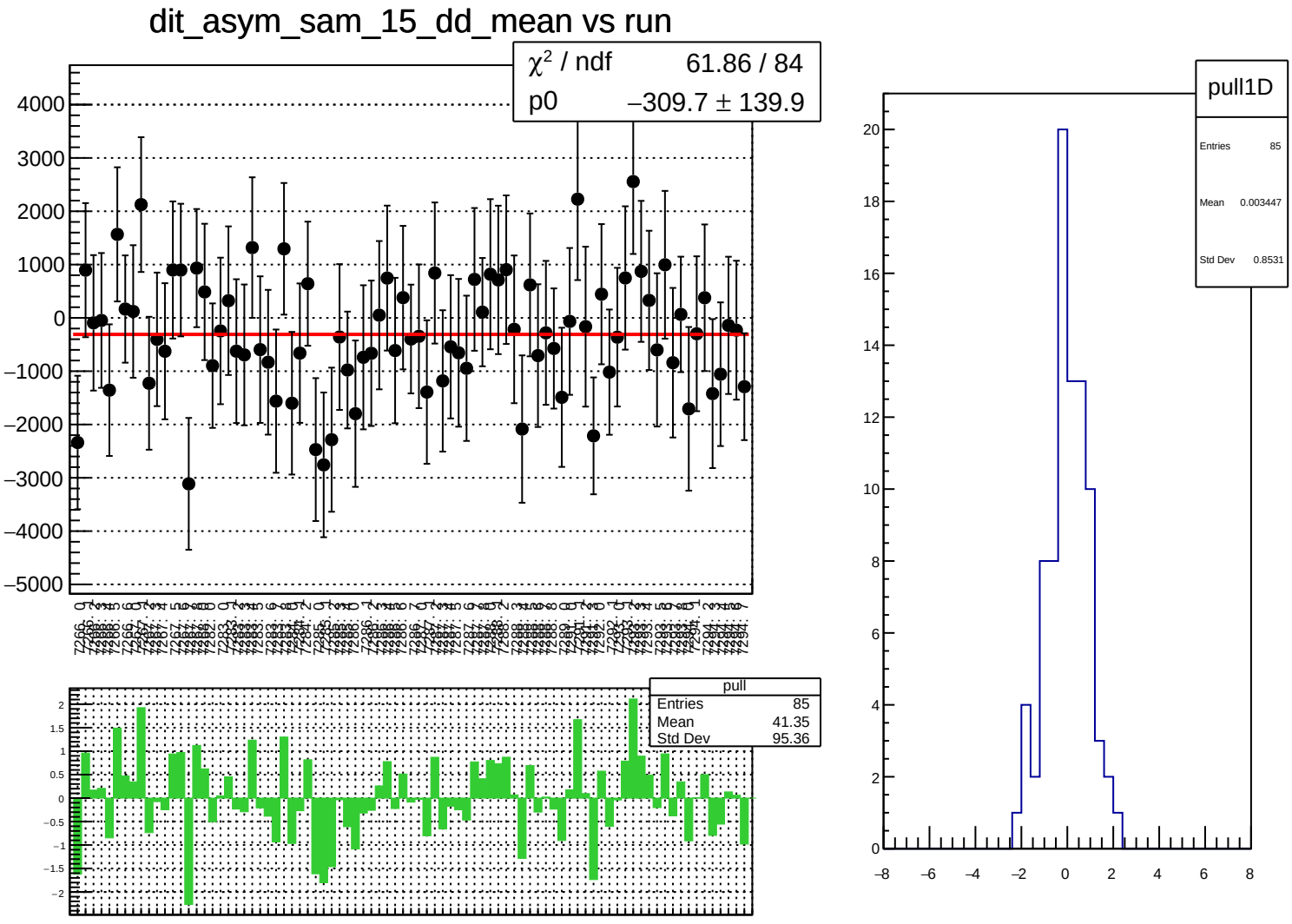

asym_sam_48_avg_correction_mean vs run
χ² / ndf 117.5 / 84
p0 −1367 ± 1248
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 351
Std Dev 301.8
pull1D
Entries 85
Mean −0.01186
Std Dev 1.176

asym_sam_48_avg_correction_rms vs run

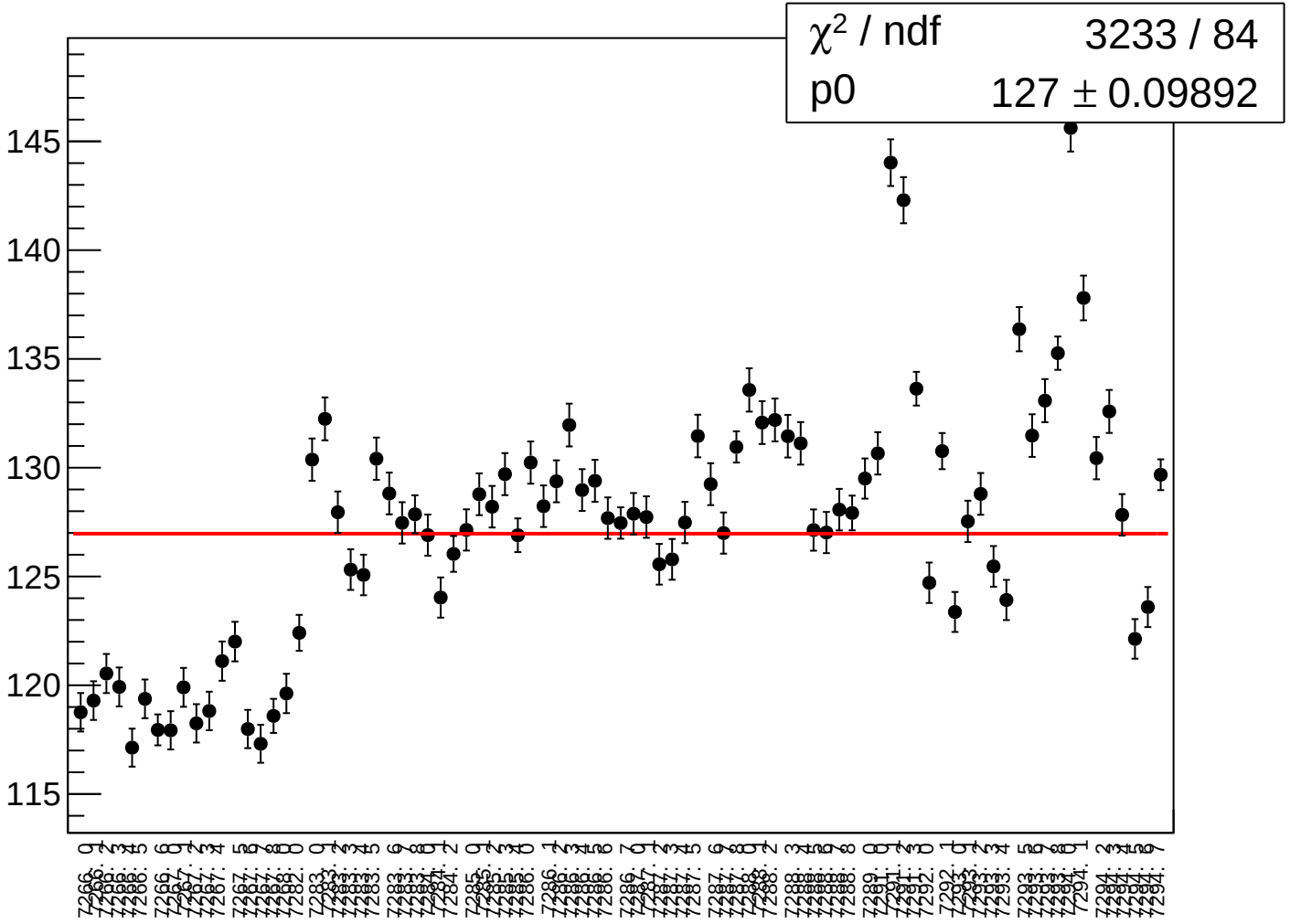


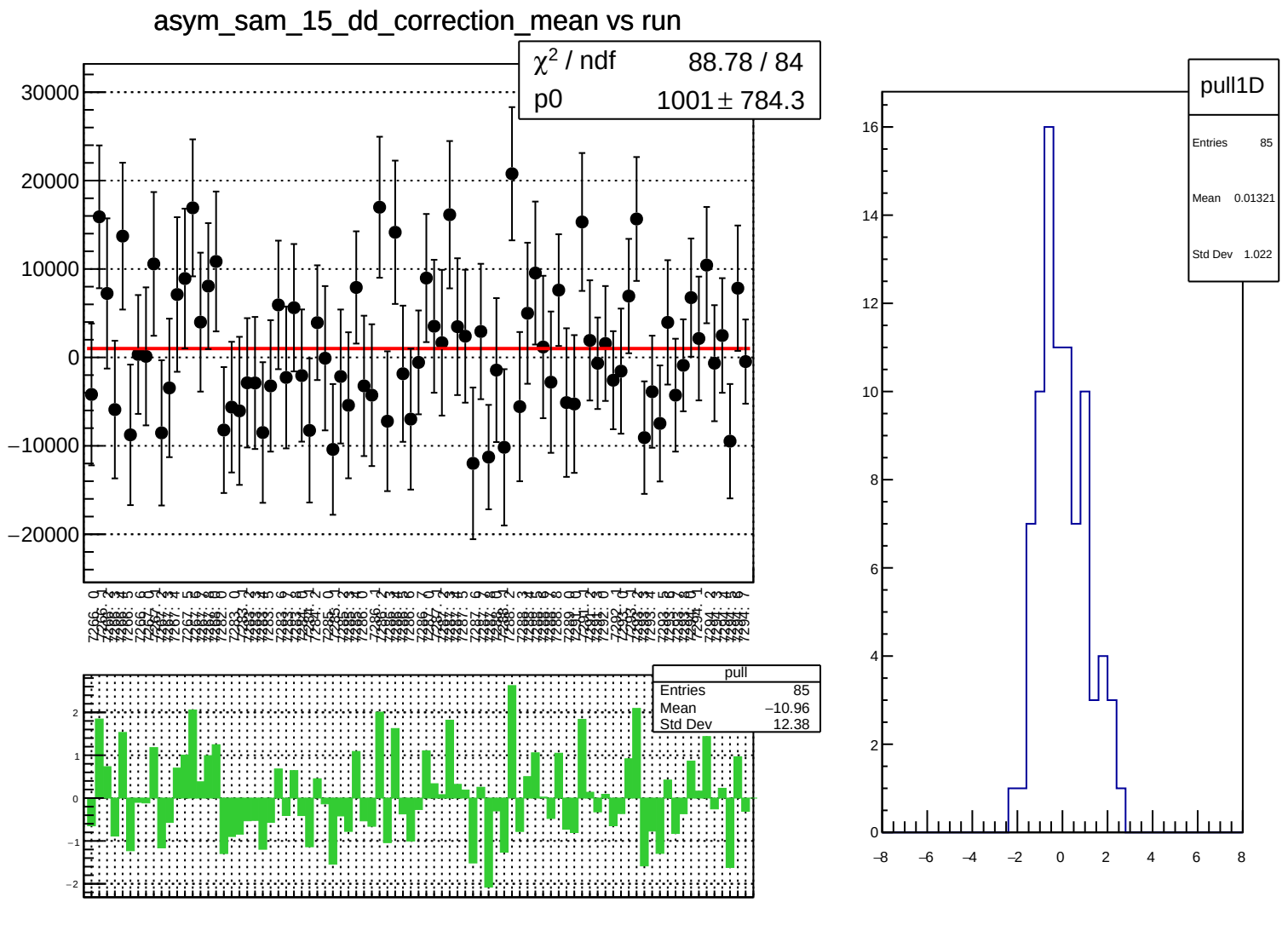

asym_sam_48_avg_mean vs run
χ^2 / ndf 113.1 / 84
p0 1839 ± 1185
pull
Entries 85
Mean 666.6
Std Dev 617.9
pull1D
Entries 85
Mean 0.005648
Std Dev 1.153


asym_sam_48_avg_rms vs run
χ^2 / ndf 2.893e+04 / 84
p0 1067 ± 0.8378
1400
1300
1200
1100
1000
900
800

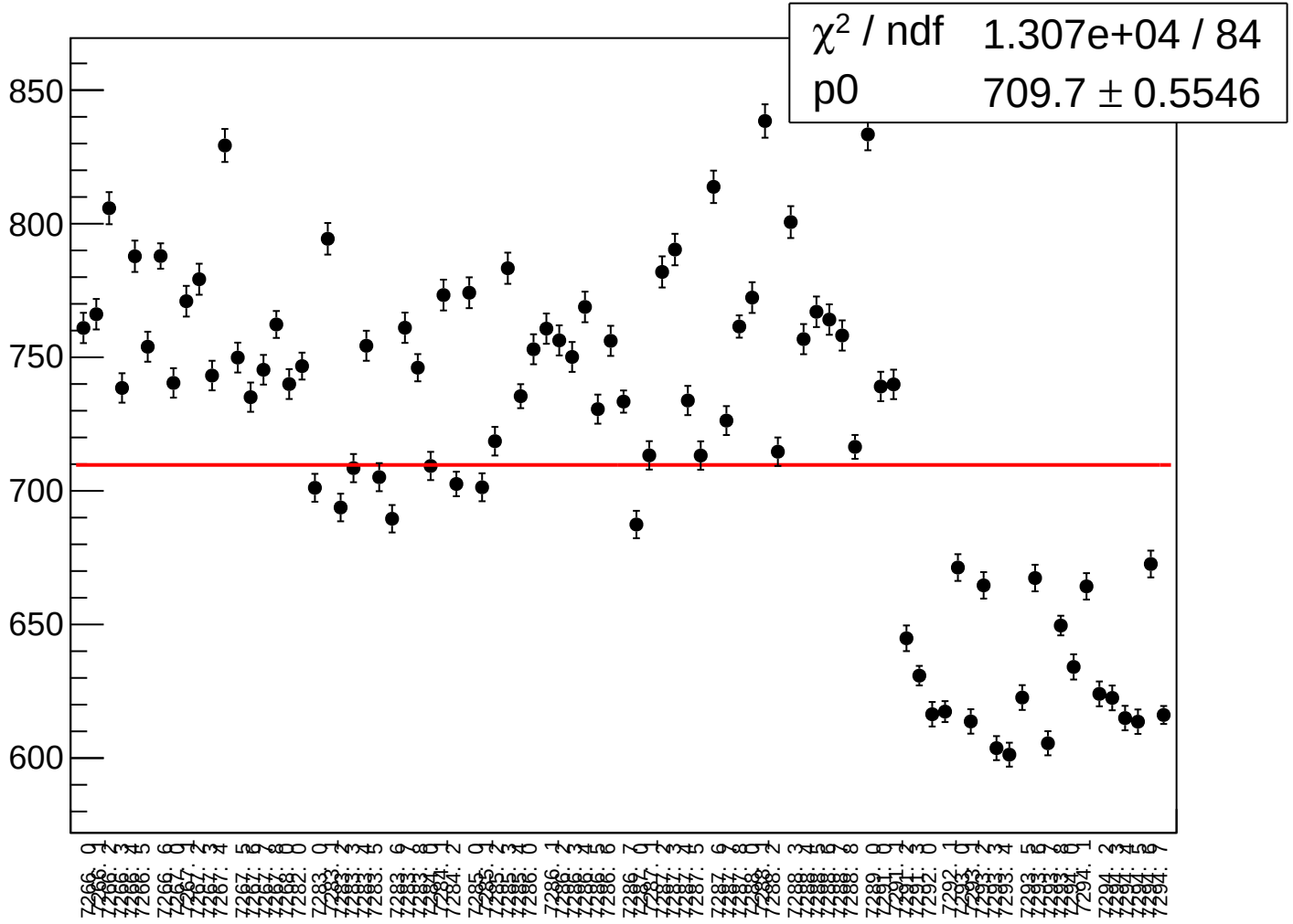

dit_asym_sam_15_dd_mean vs run
χ² / ndf 61.86 / 84
p0 −309.7 ± 139.9
pull
Entries 85
Mean 41.35
Std Dev 95.36
pull1D
Entries 85
Mean 0.003447
Std Dev 0.8531

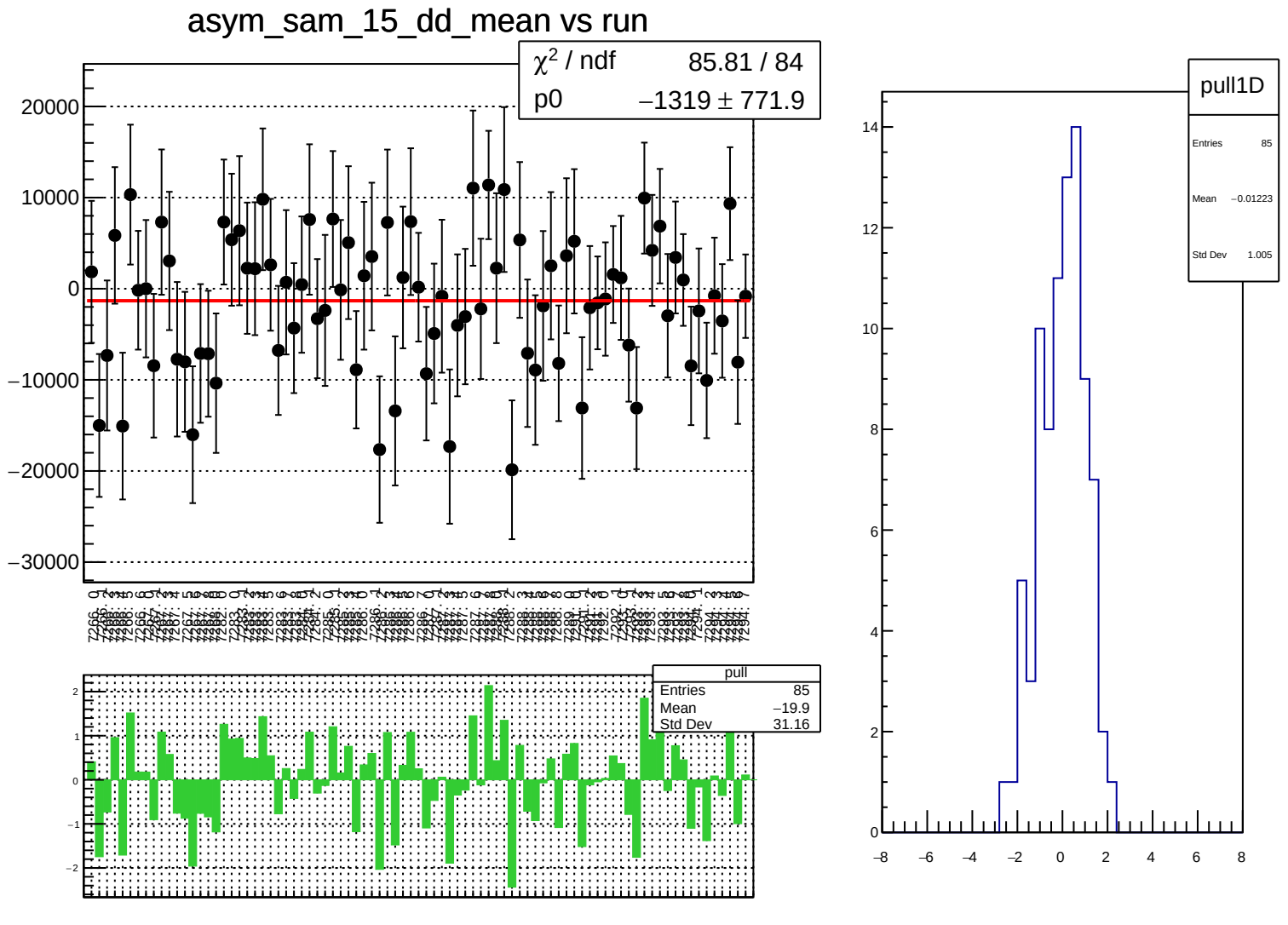
dit_asym_sam_15_dd_rms vs run



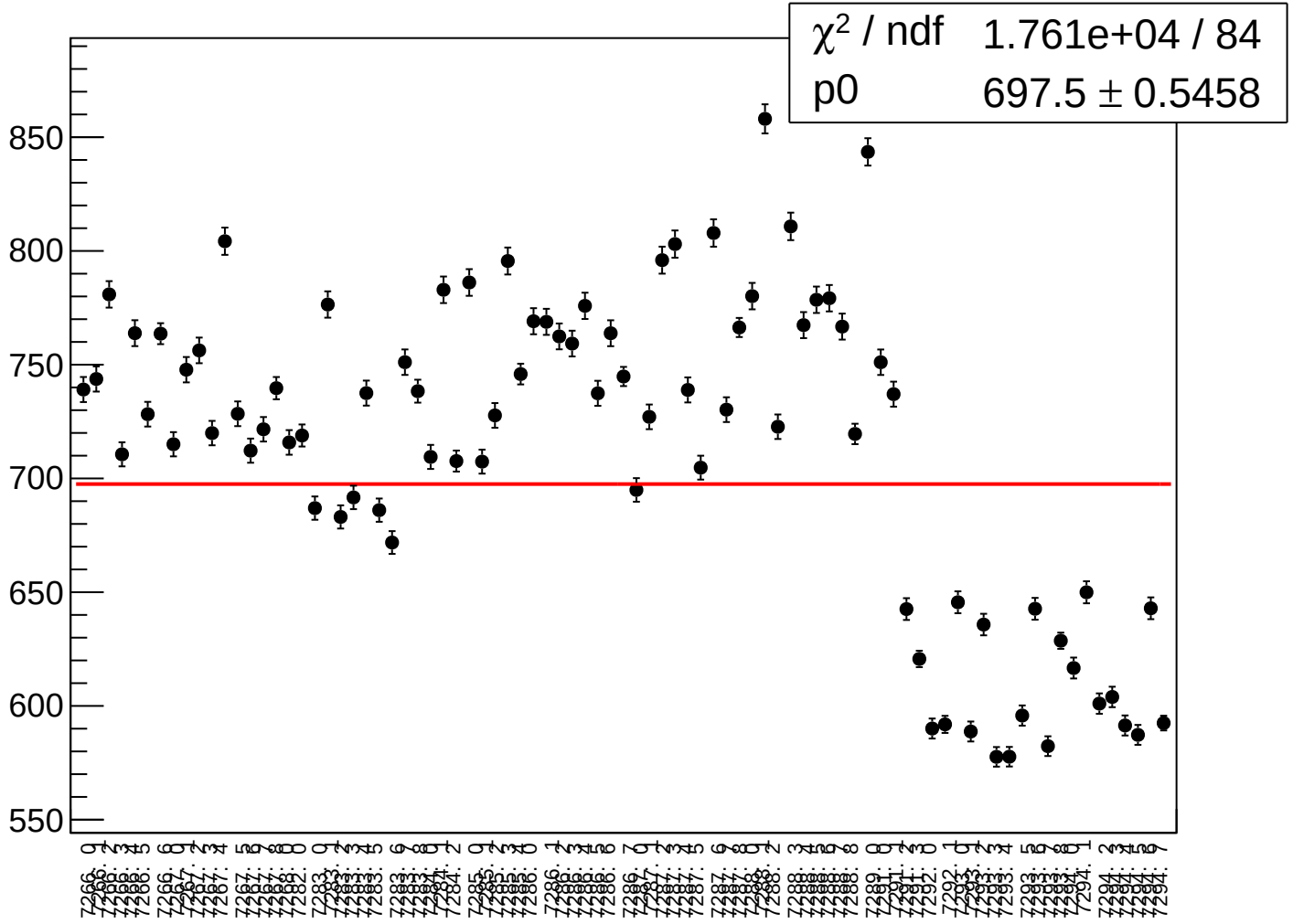

asym_sam_15_dd_correction_mean vs run
χ² / ndf 88.78 / 84
p0 1001 ± 784.3
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean −10.96
Std Dev 12.38
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.01321
Std Dev 1.022
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

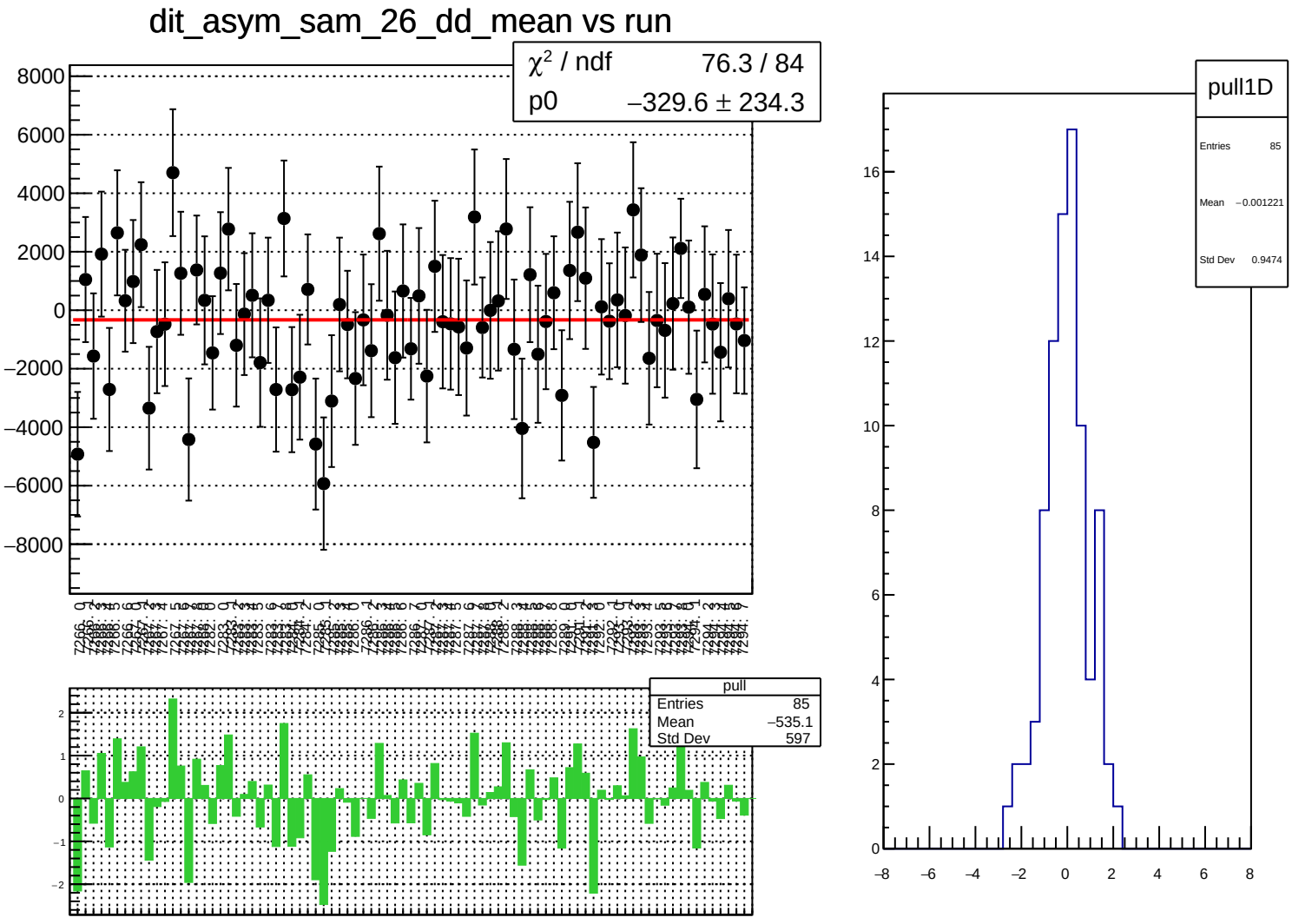
asym_sam_15_dd_correction_rms vs run

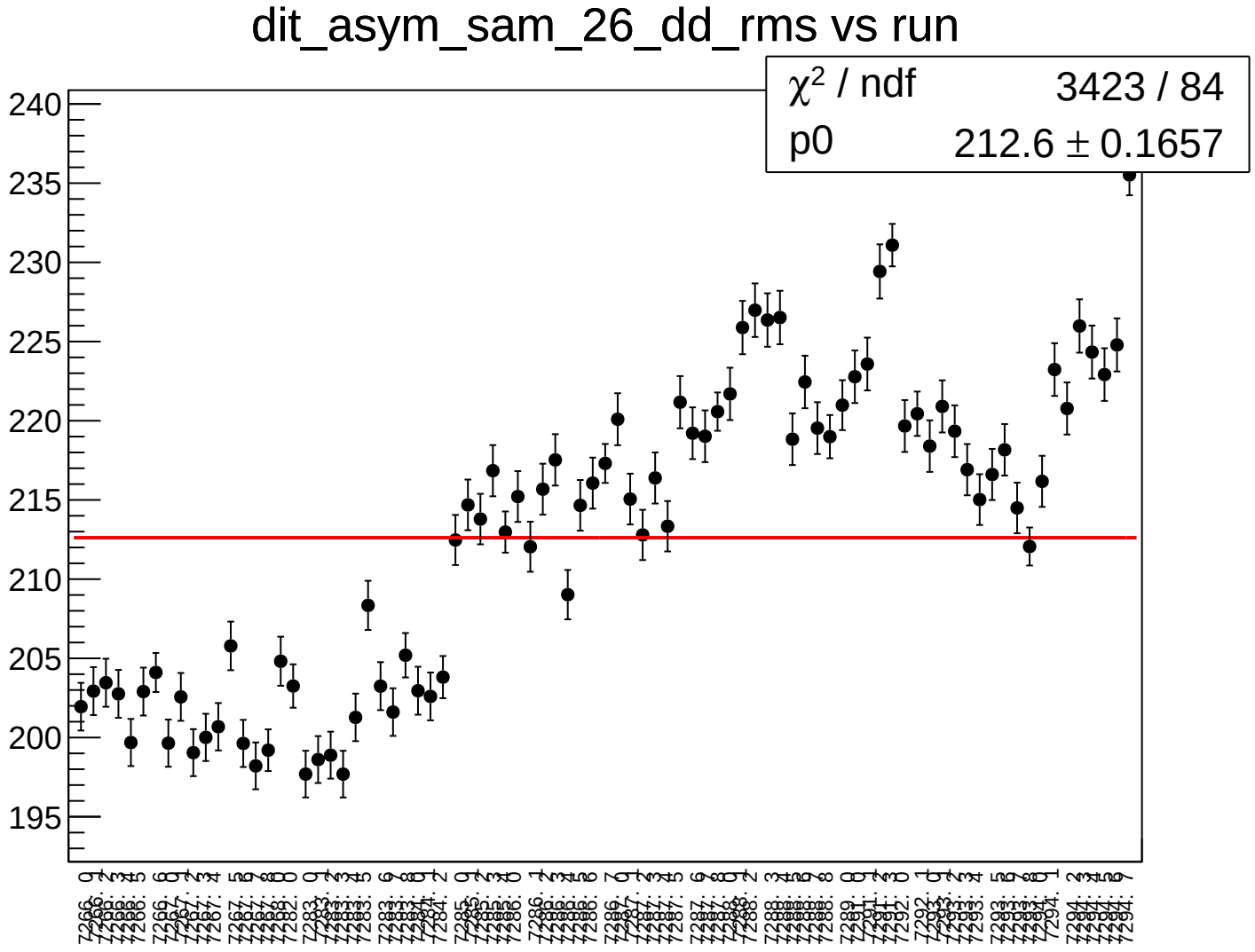


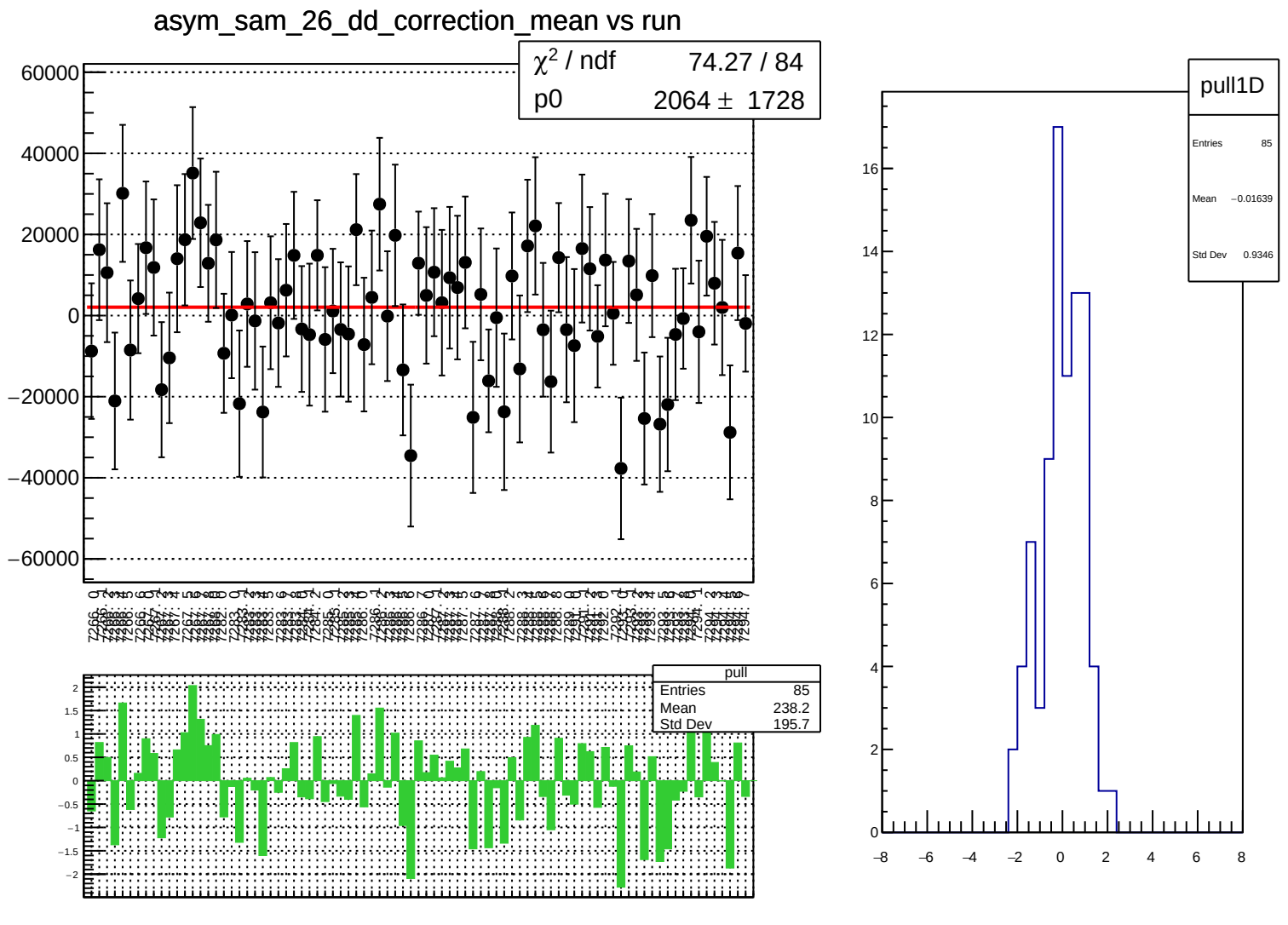

asym_sam_15_dd_mean vs run
χ² / ndf 85.81 / 84
p0 −1319 ± 771.9
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean −19.9
Std Dev 31.16
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01223
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_dd_rms vs run

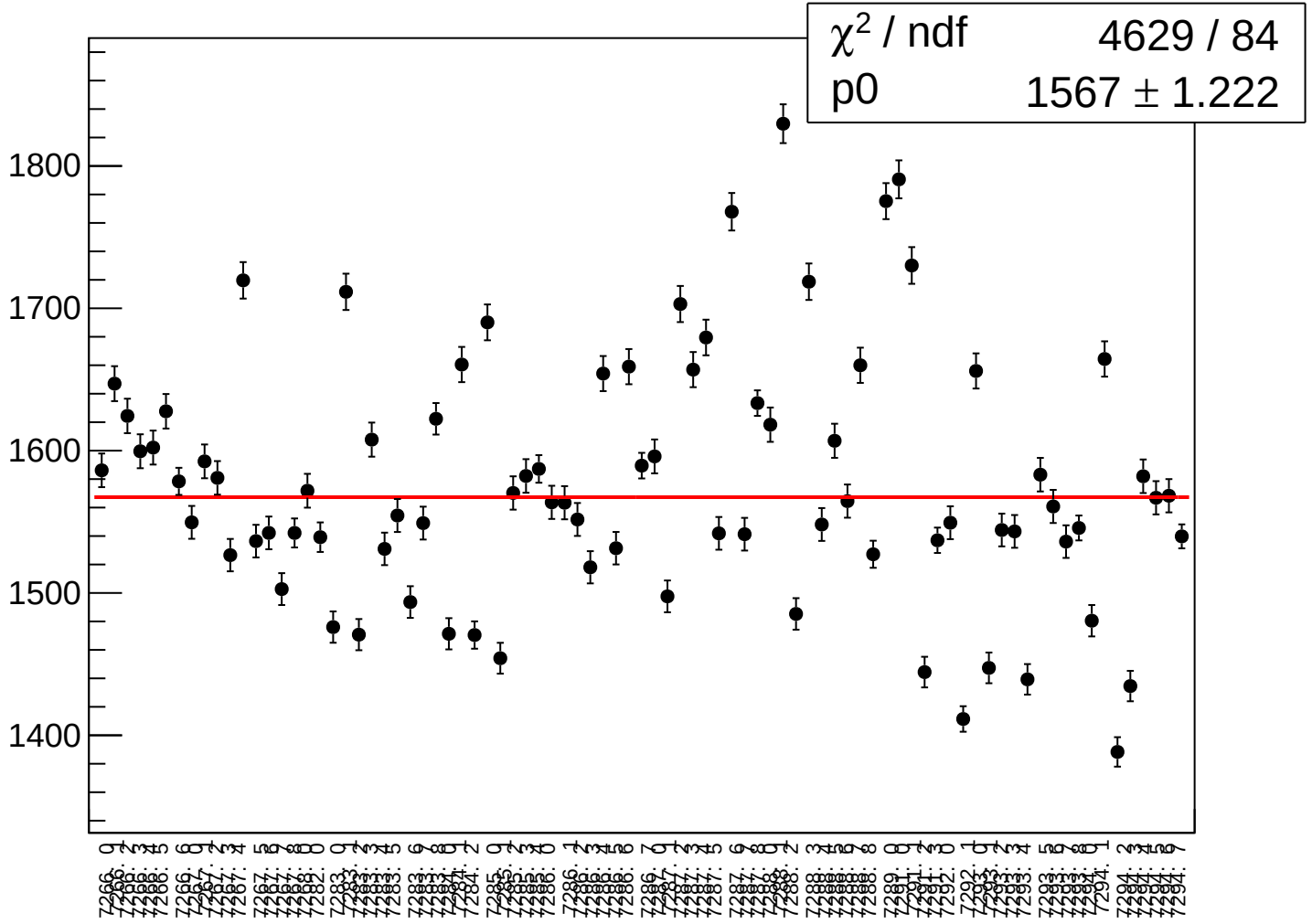


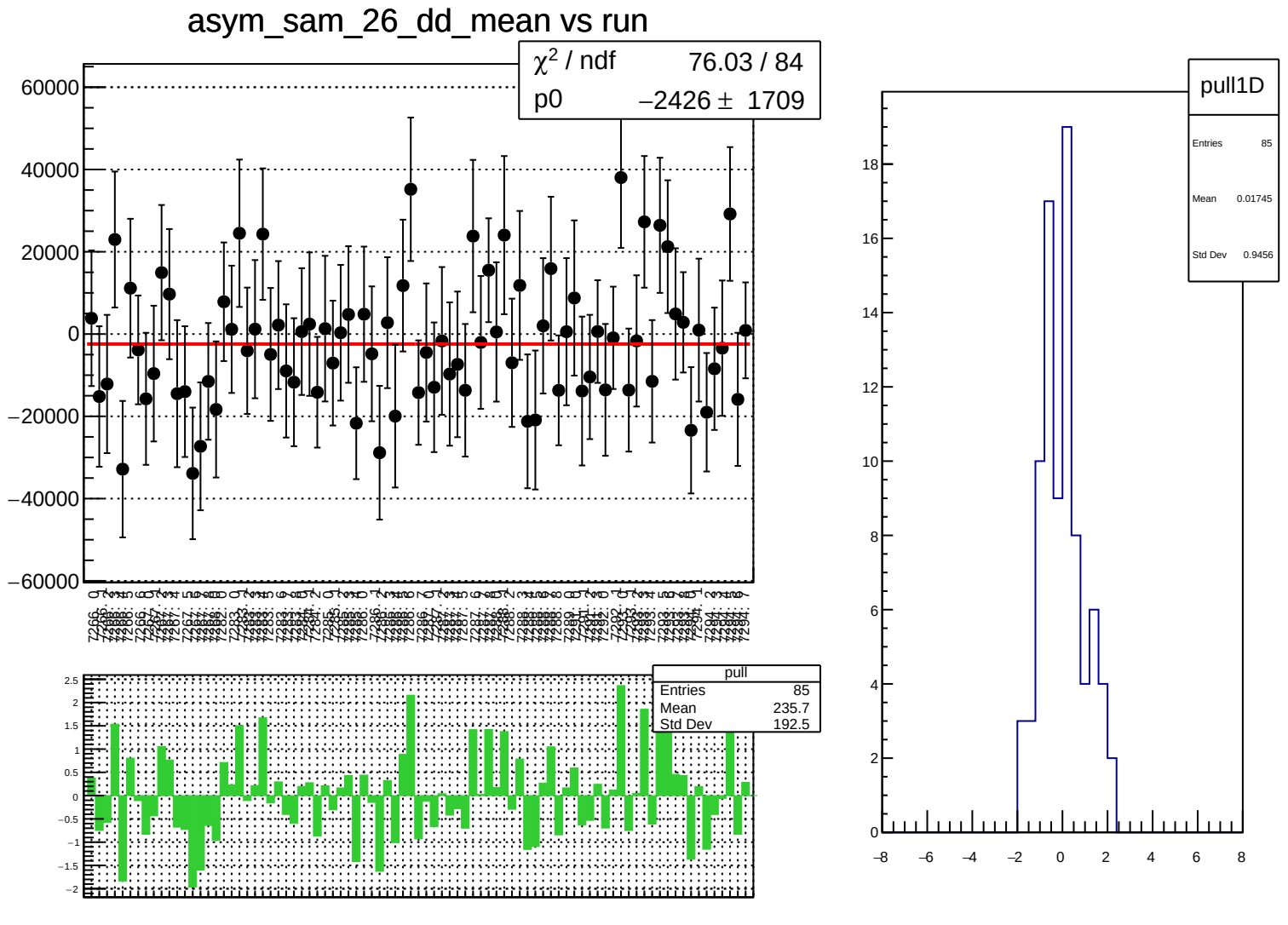

dit_asym_sam_26_dd_mean vs run
χ² / ndf 76.3 / 84
p0 −329.6 ± 234.3
pull
Entries 85
Mean −535.1
Std Dev 597
pull1D
Entries 85
Mean −0.001221
Std Dev 0.9474


dit_asym_sam_26_dd_rms vs run
χ² / ndf 3423 / 84
p0 212.6 ± 0.1657
240
235
230
225
220
215
210
205
200
195

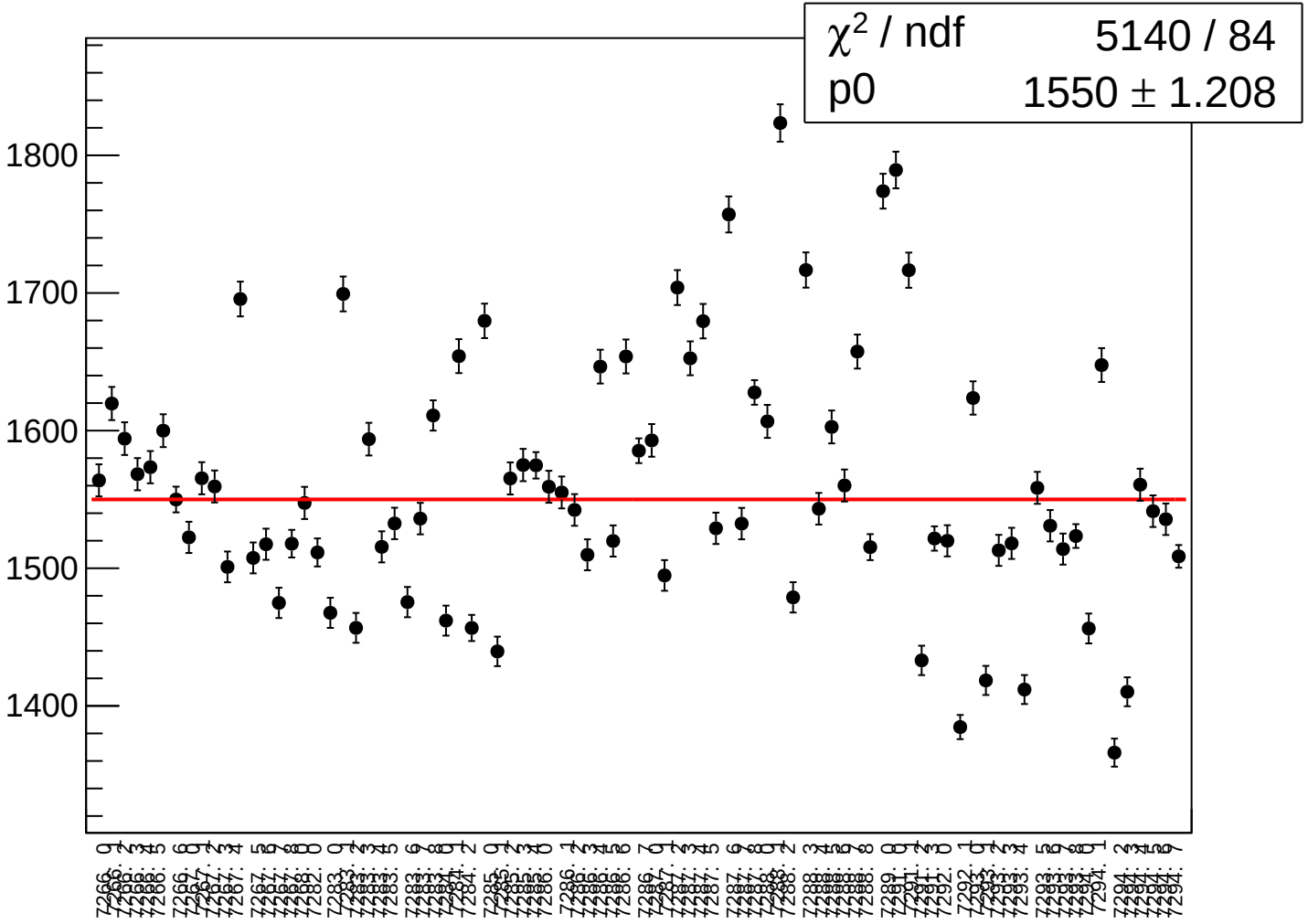

asym_sam_26_dd_correction_mean vs run
χ² / ndf 74.27 / 84
p0 2064 ± 1728
pull
Entries 85
Mean 238.2
Std Dev 195.7
pull1D
Entries 85
Mean −0.01639
Std Dev 0.9346

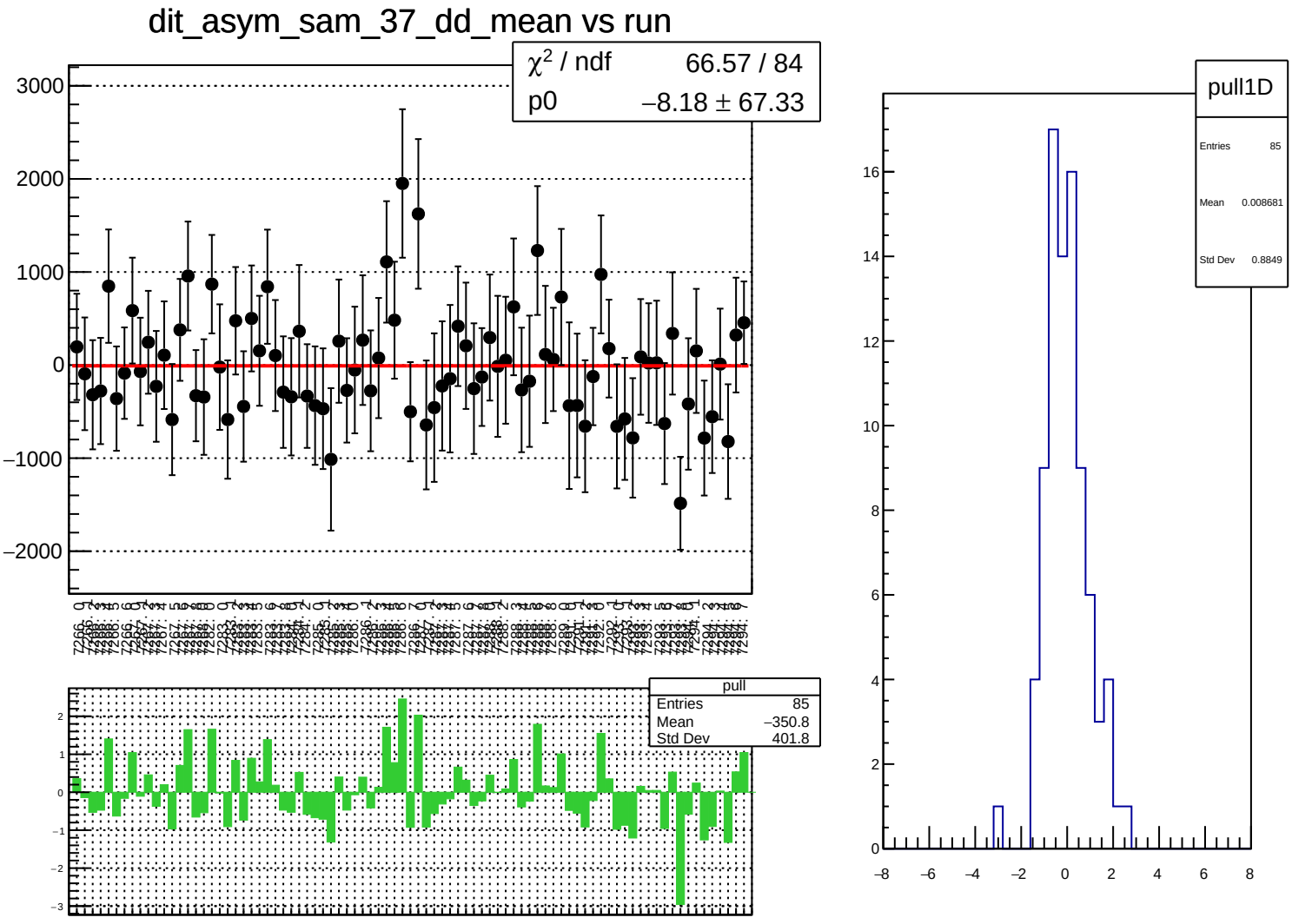
asym_sam_26_dd_correction_rms vs run



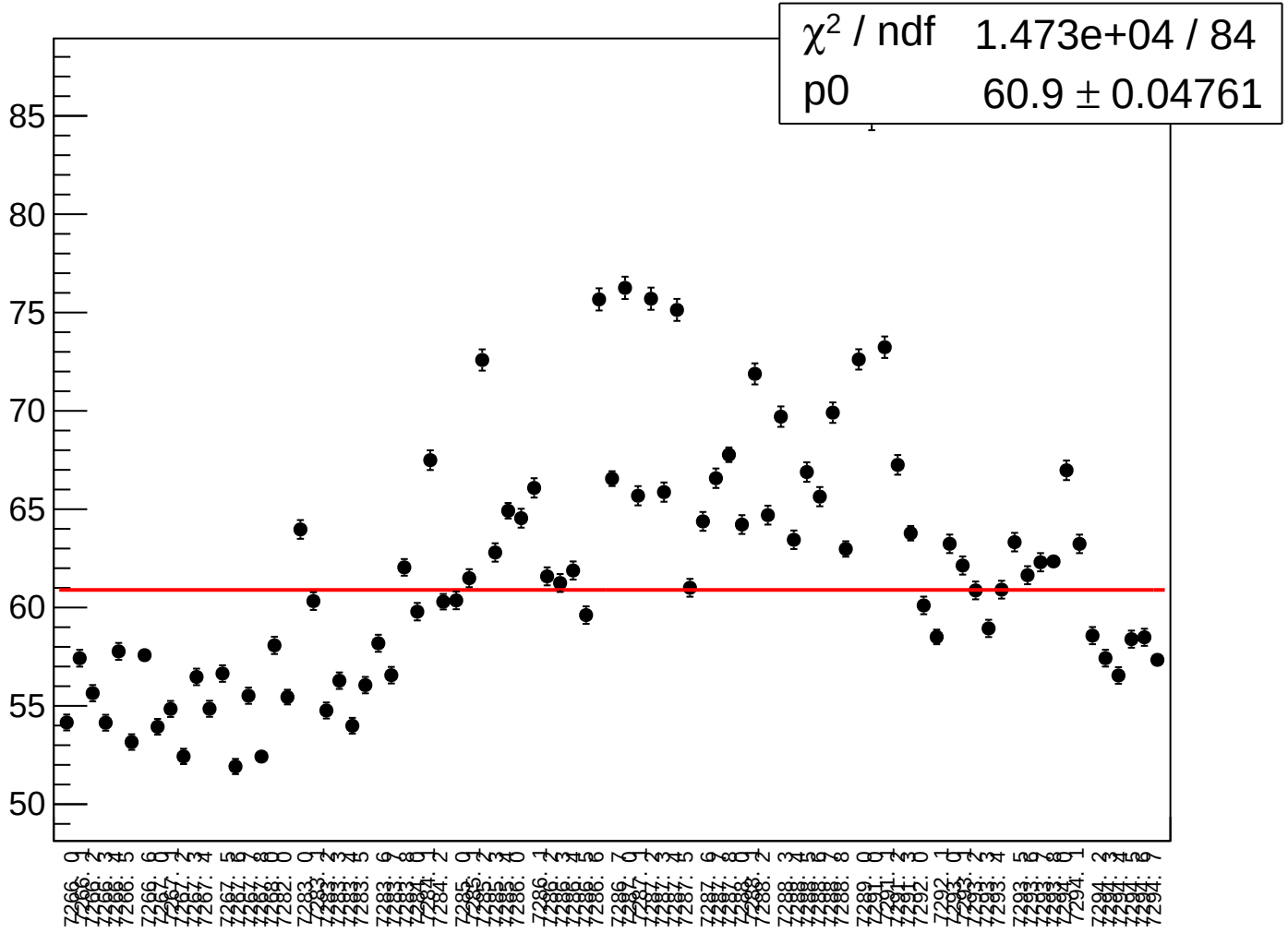

asym_sam_26_dd_mean vs run
χ² / ndf 76.03 / 84
p0 −2426 ± 1709
pull
Entries 85
Mean 235.7
Std Dev 192.5
pull1D
Entries 85
Mean 0.01745
Std Dev 0.9456

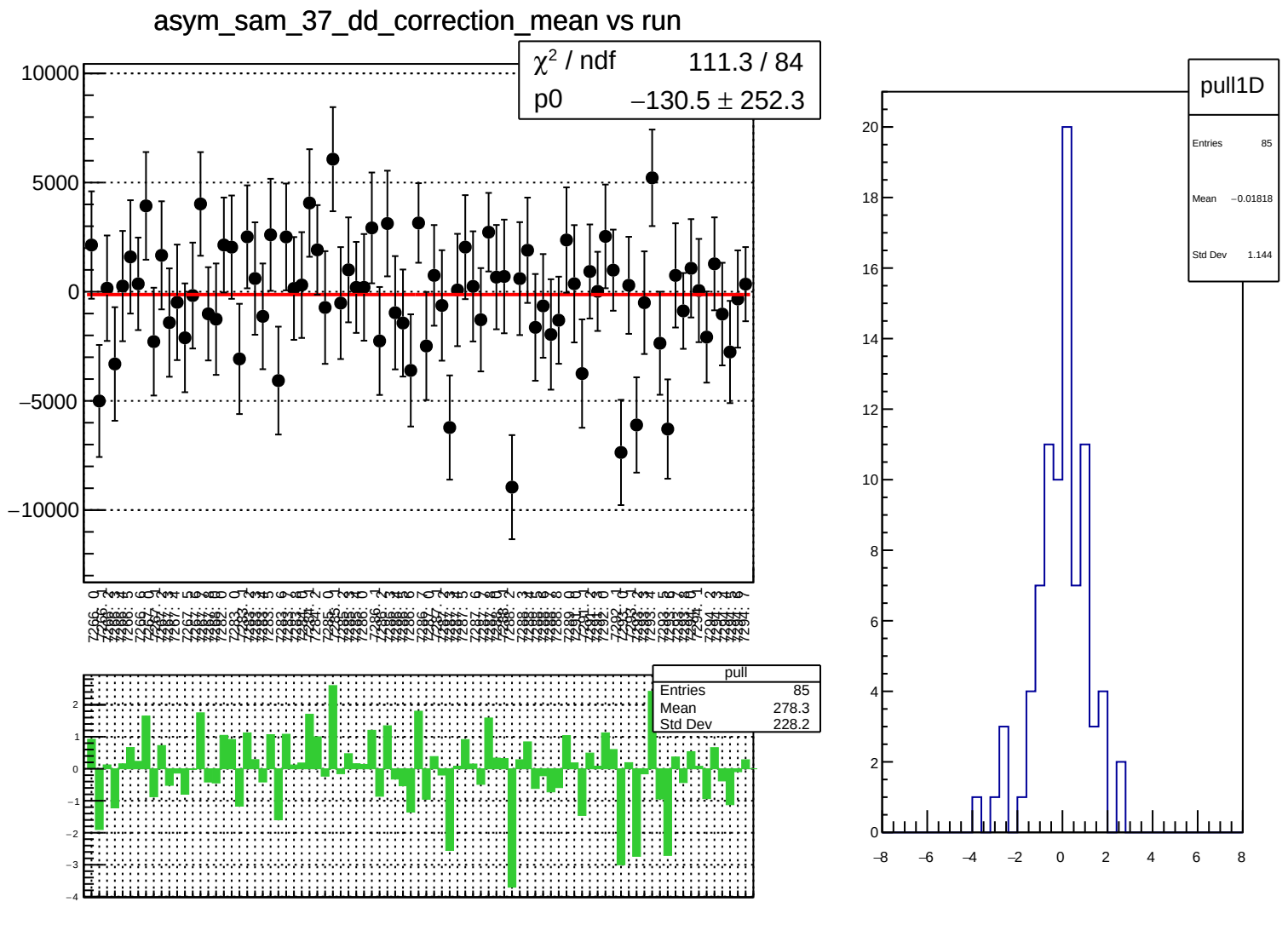
asym_sam_26_dd_rms vs run



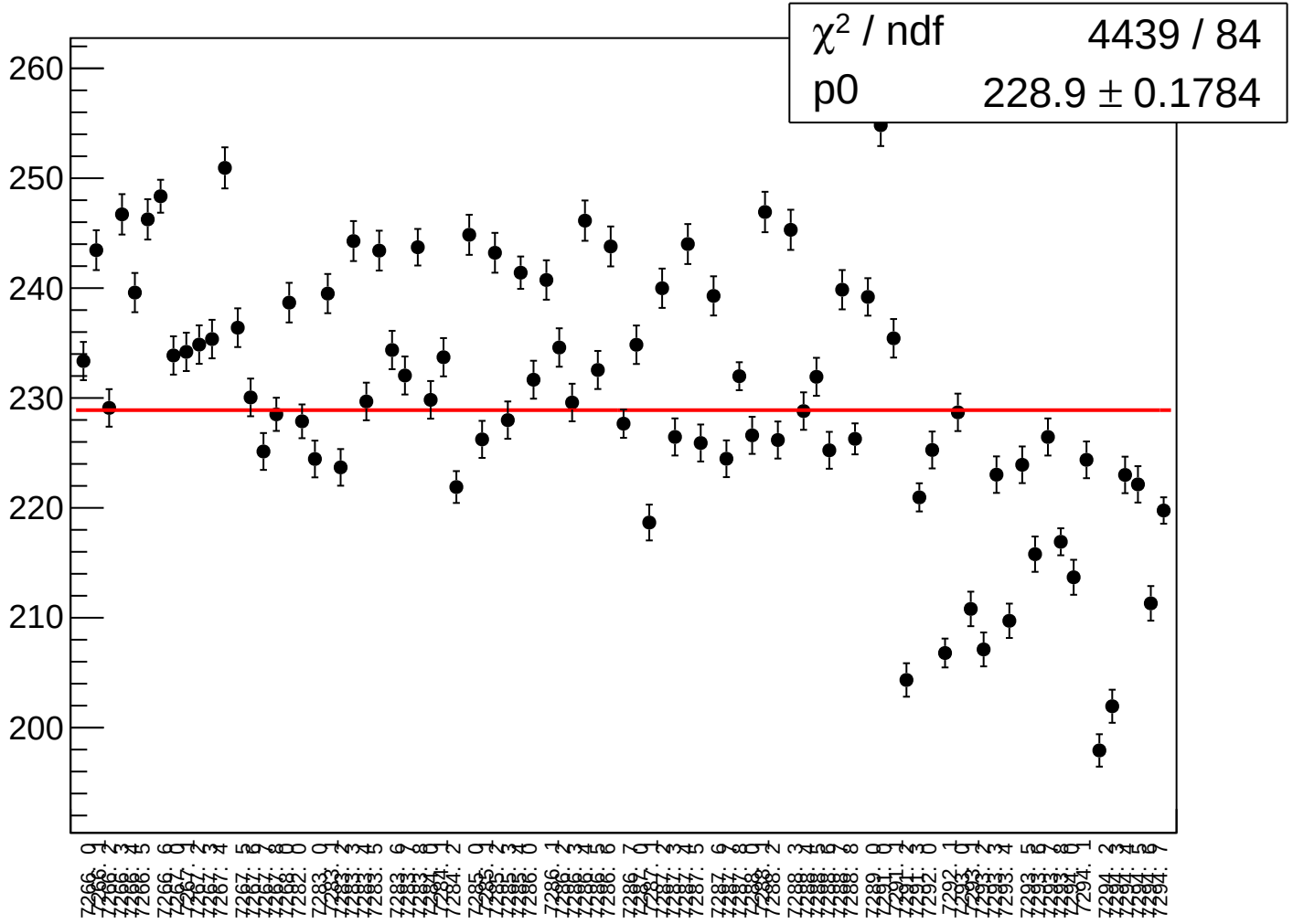

dit_asym_sam_37_dd_mean vs run
χ² / ndf 66.57 / 84
p0 −8.18 ± 67.33
pull
Entries 85
Mean −350.8
Std Dev 401.8
pull1D
Entries 85
Mean 0.008681
Std Dev 0.8849

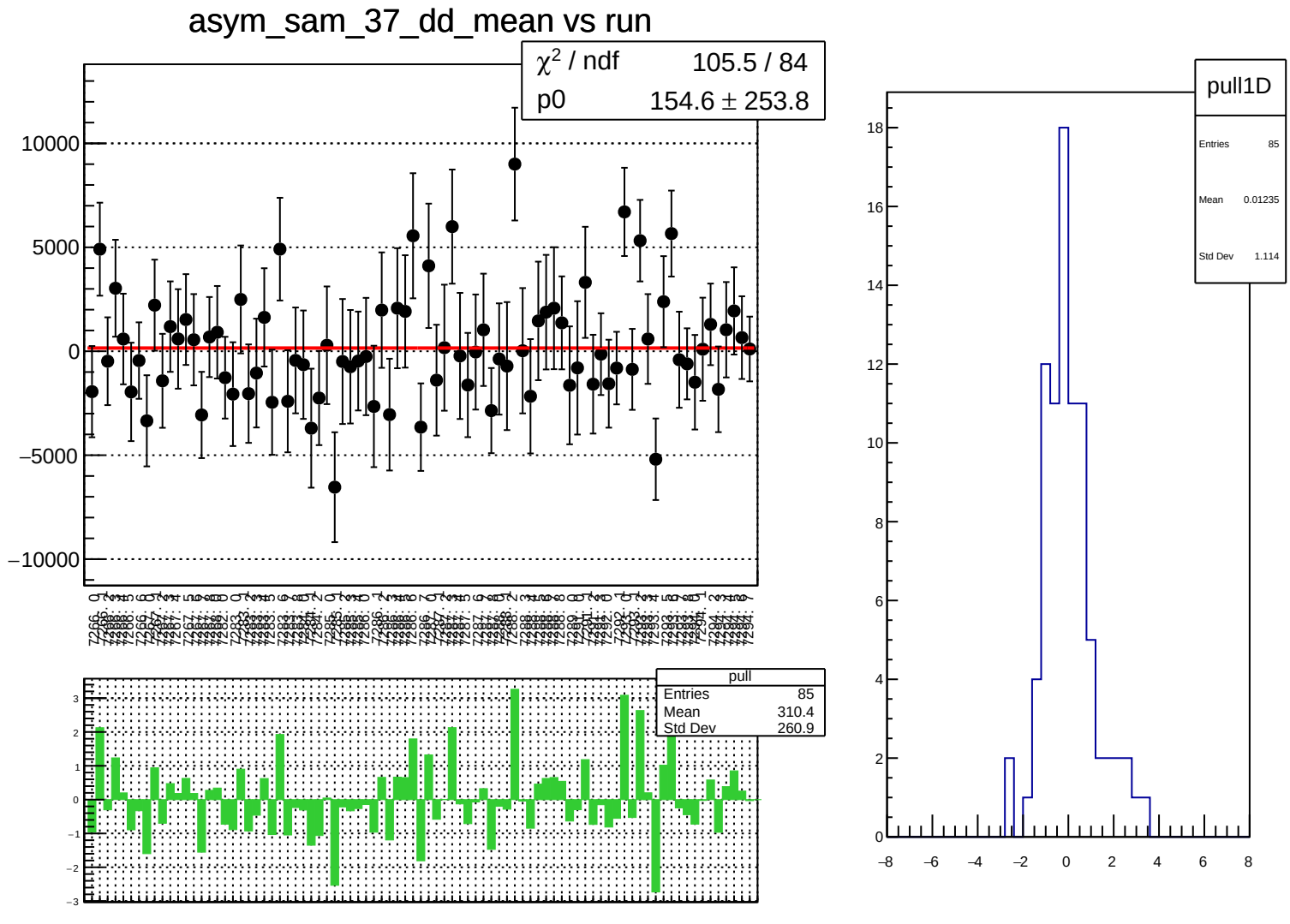
dit_asym_sam_37_dd_rms vs run



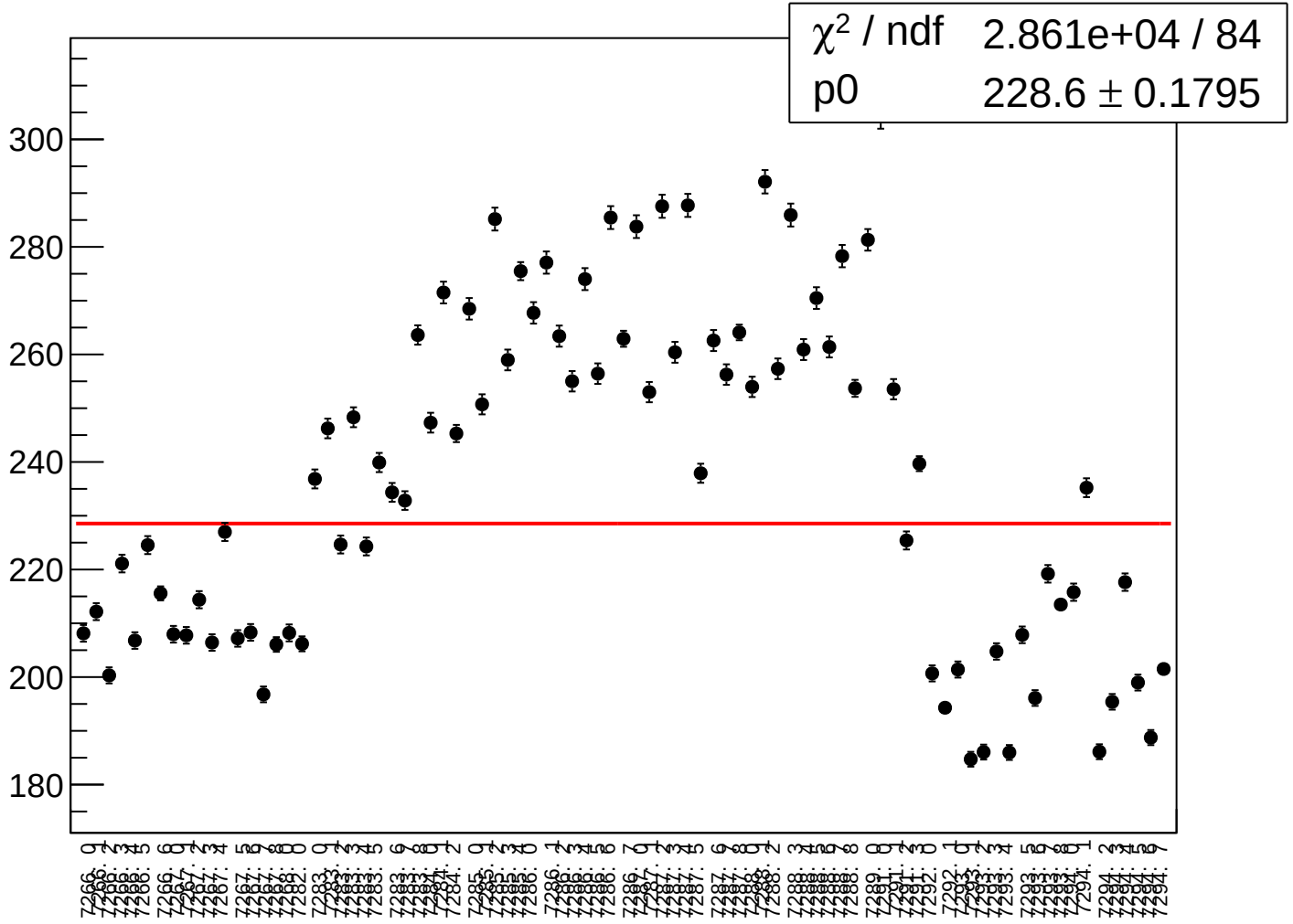

asym_sam_37_dd_correction_mean vs run
χ² / ndf 111.3 / 84
p0 −130.5 ± 252.3
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 278.3
Std Dev 228.2
2
1
0
−1
−2
−3
−4
pull1D
Entries 85
Mean −0.01818
Std Dev 1.144
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

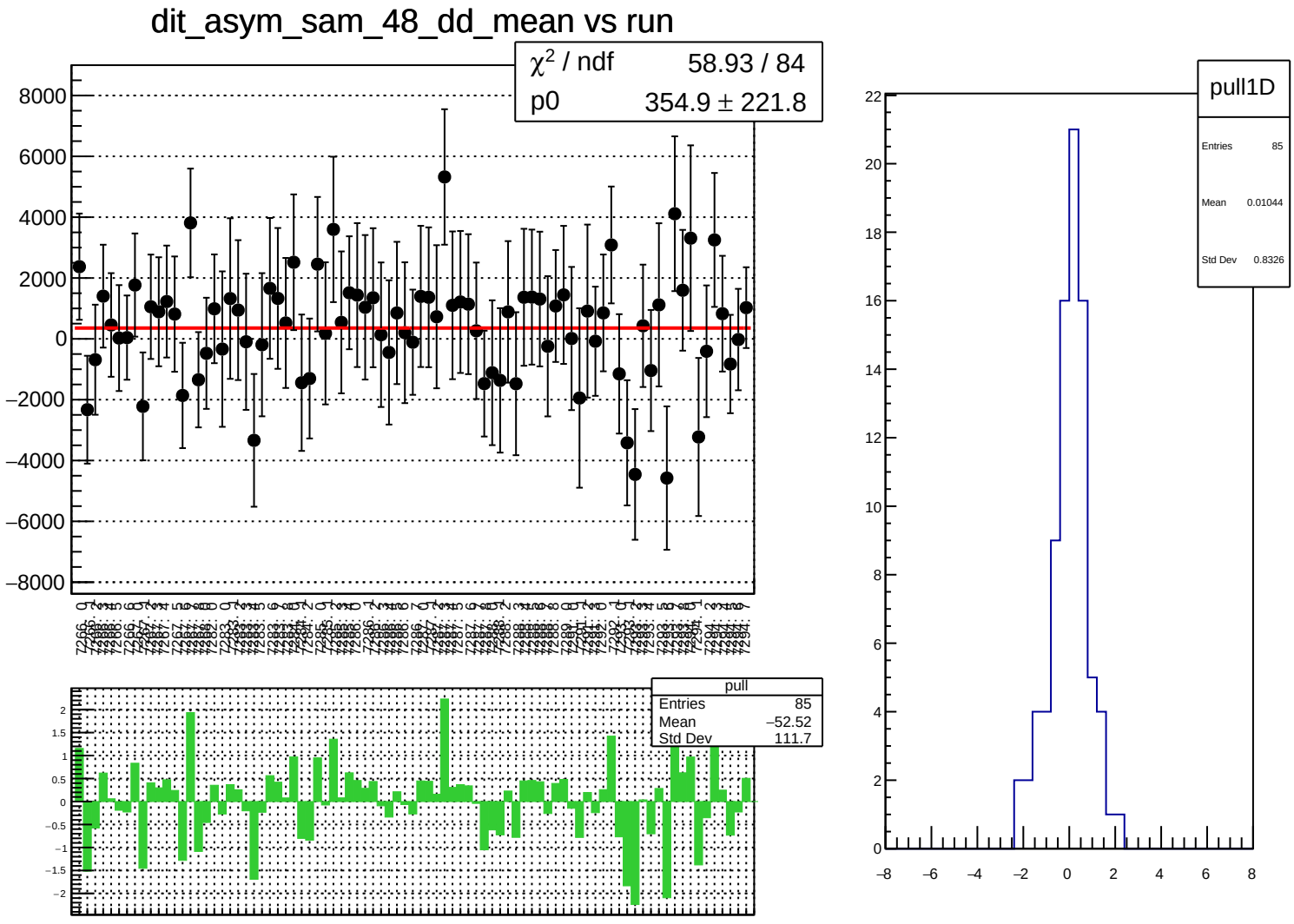
asym_sam_37_dd_correction_rms vs run



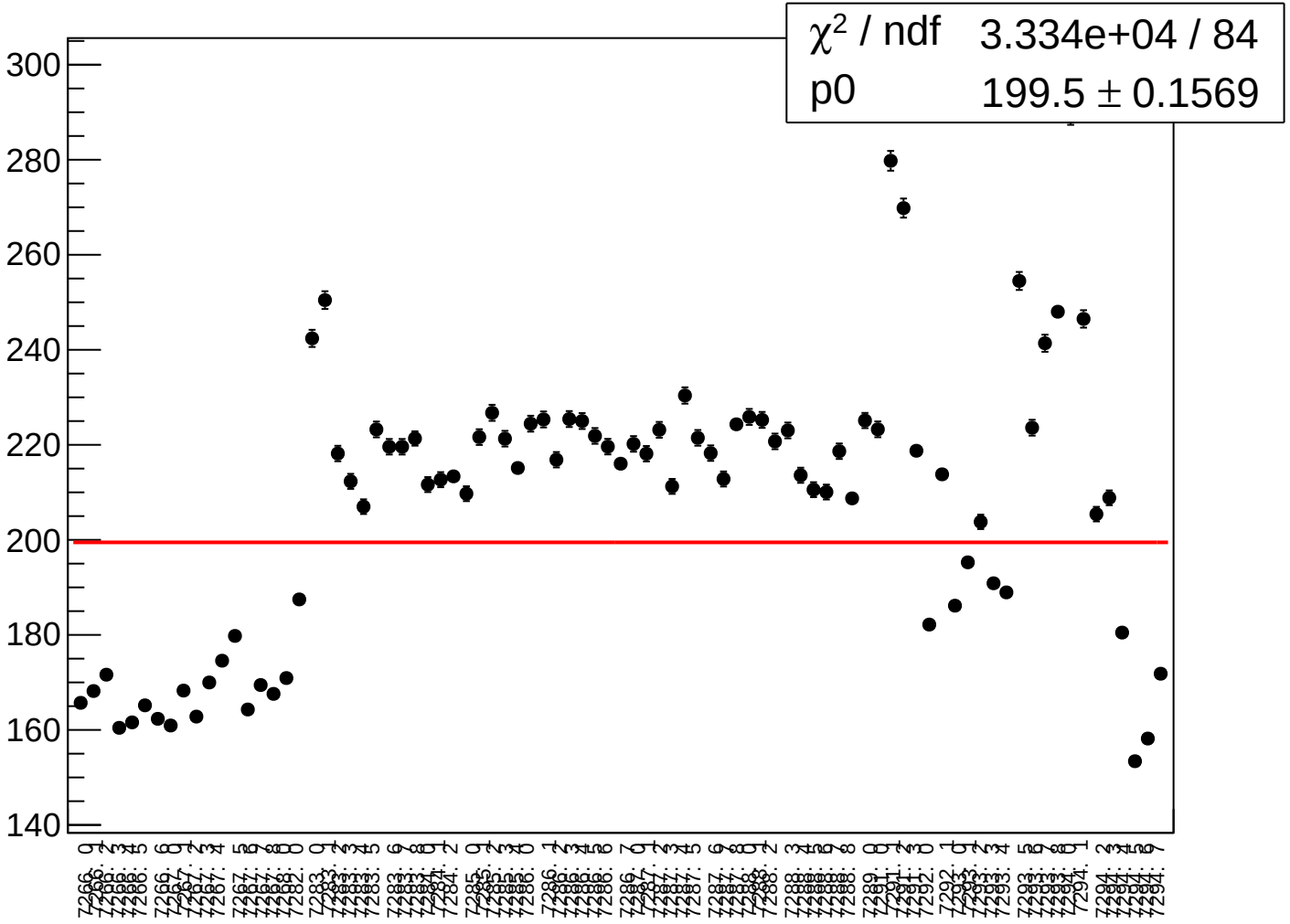

asym_sam_37_dd_mean vs run
χ² / ndf 105.5 / 84
p0 154.6 ± 253.8
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 310.4
Std Dev 260.9
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.01235
Std Dev 1.114
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

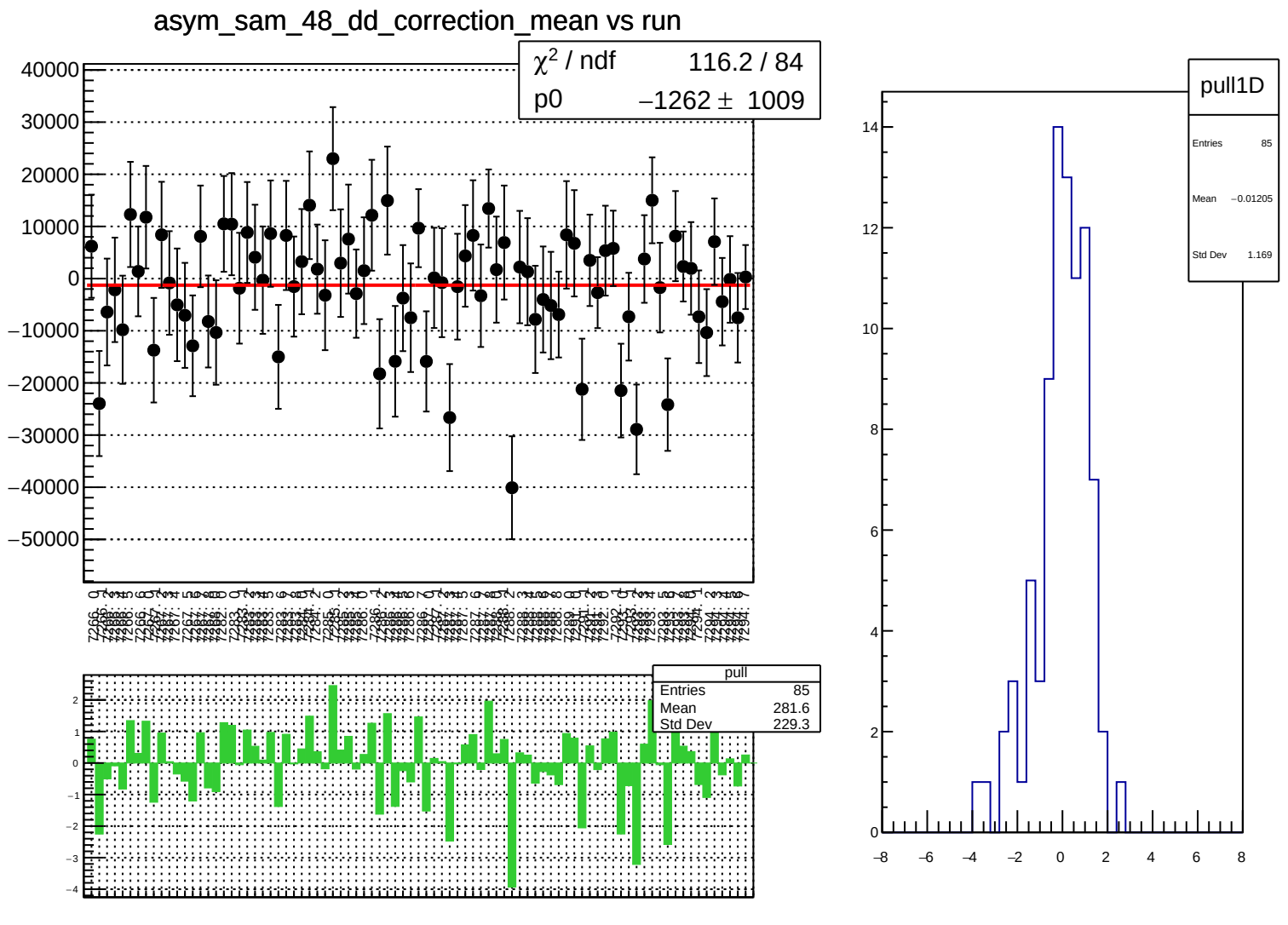
asym_sam_37_dd_rms vs run



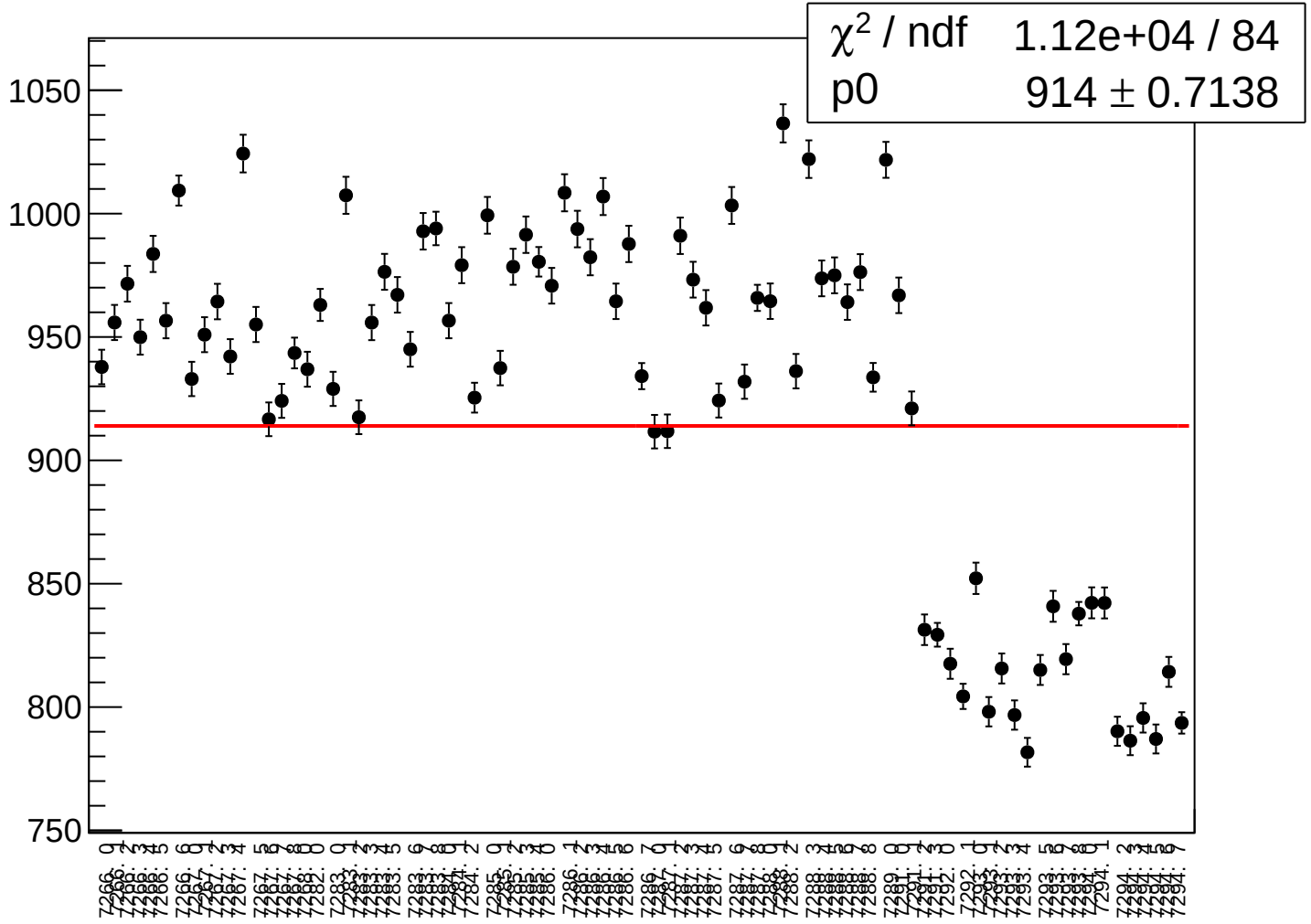

dit_asym_sam_48_dd_mean vs run
χ² / ndf 58.93 / 84
p0 354.9 ± 221.8
pull
Entries 85
Mean −52.52
Std Dev 111.7
pull1D
Entries 85
Mean 0.01044
Std Dev 0.8326

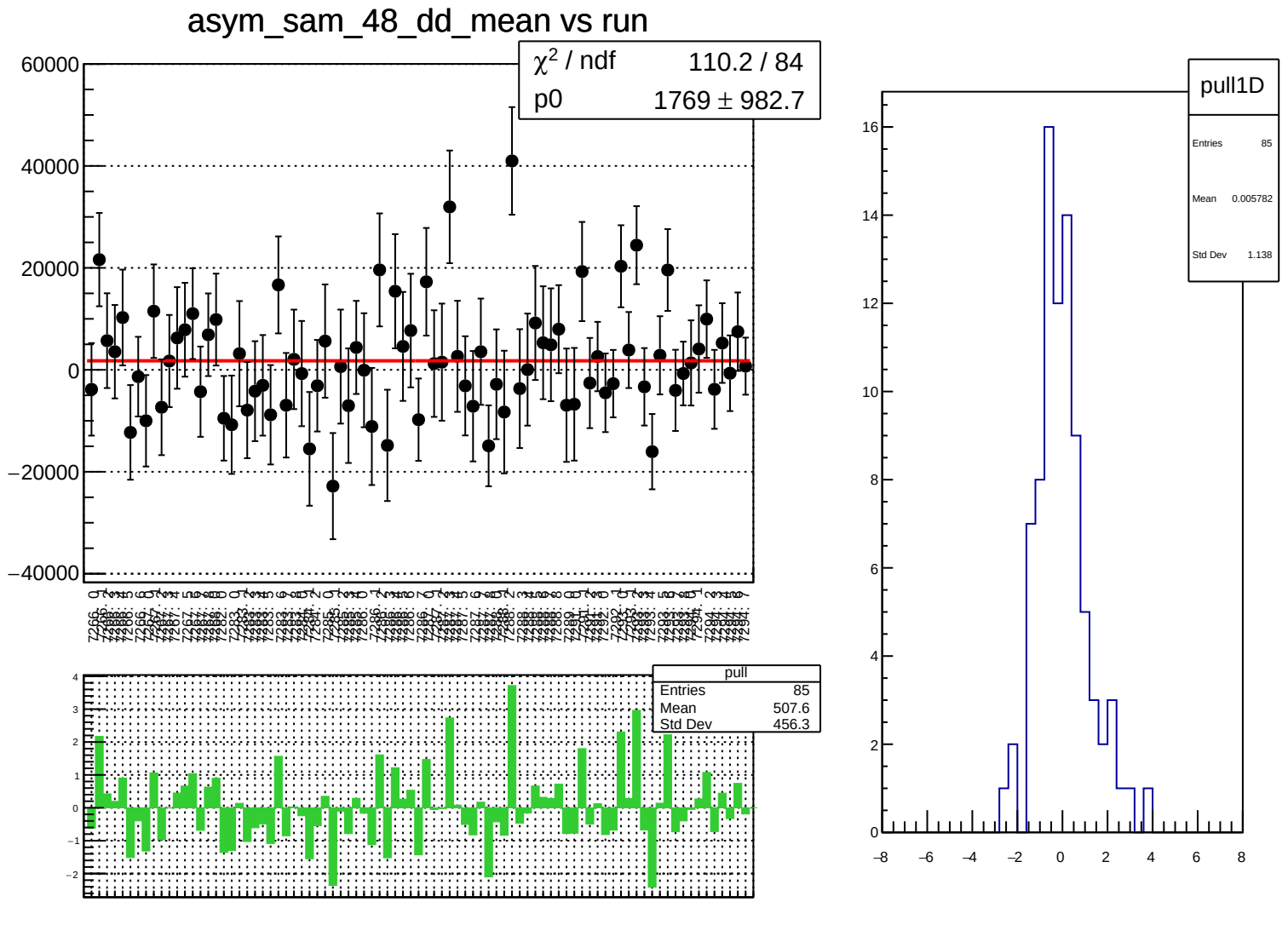
dit_asym_sam_48_dd_rms vs run



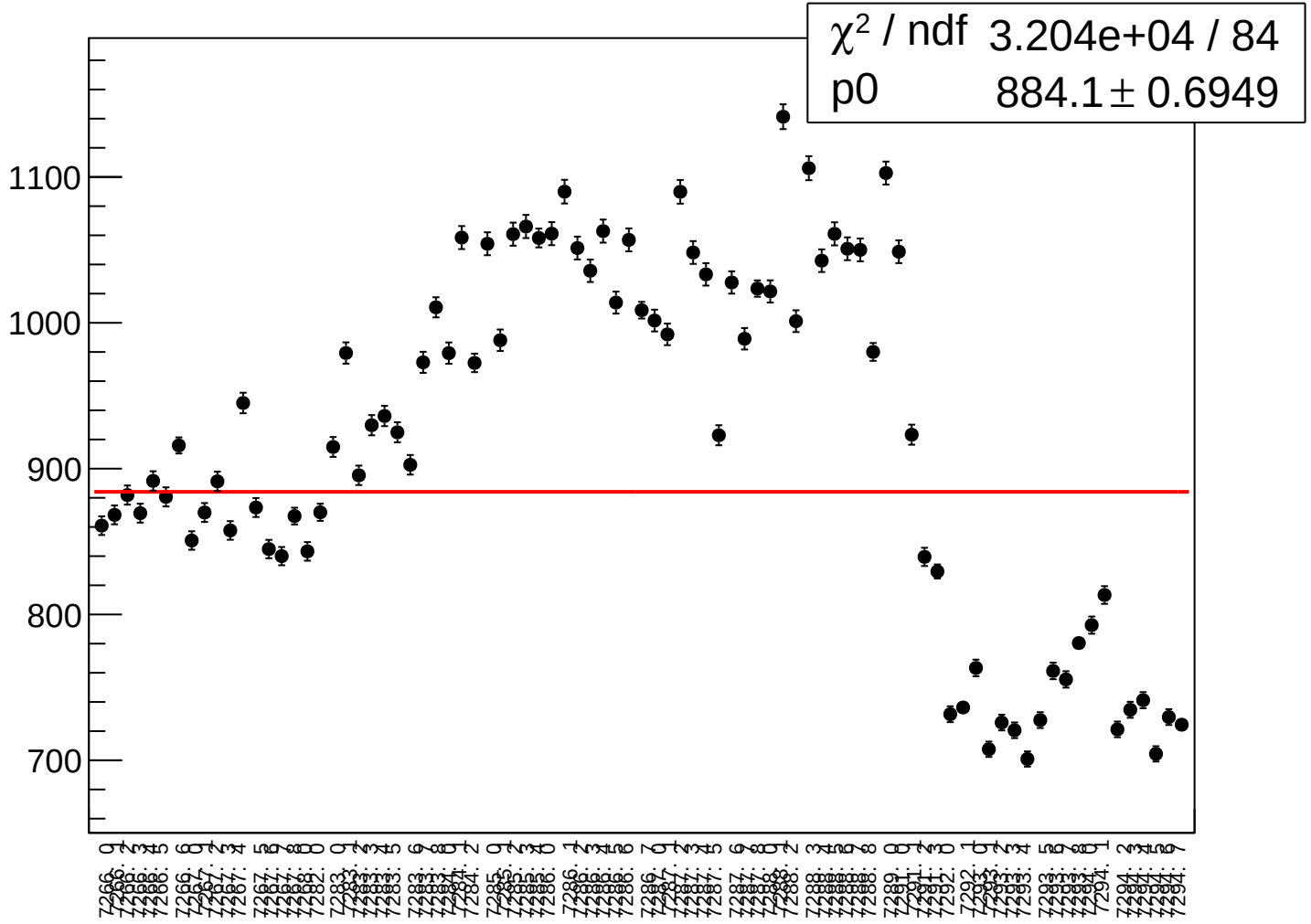

asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 116.2 / 84
p0 −1262 ± 1009
pull
Entries 85
Mean 281.6
Std Dev 229.3
pull1D
Entries 85
Mean −0.01205
Std Dev 1.169

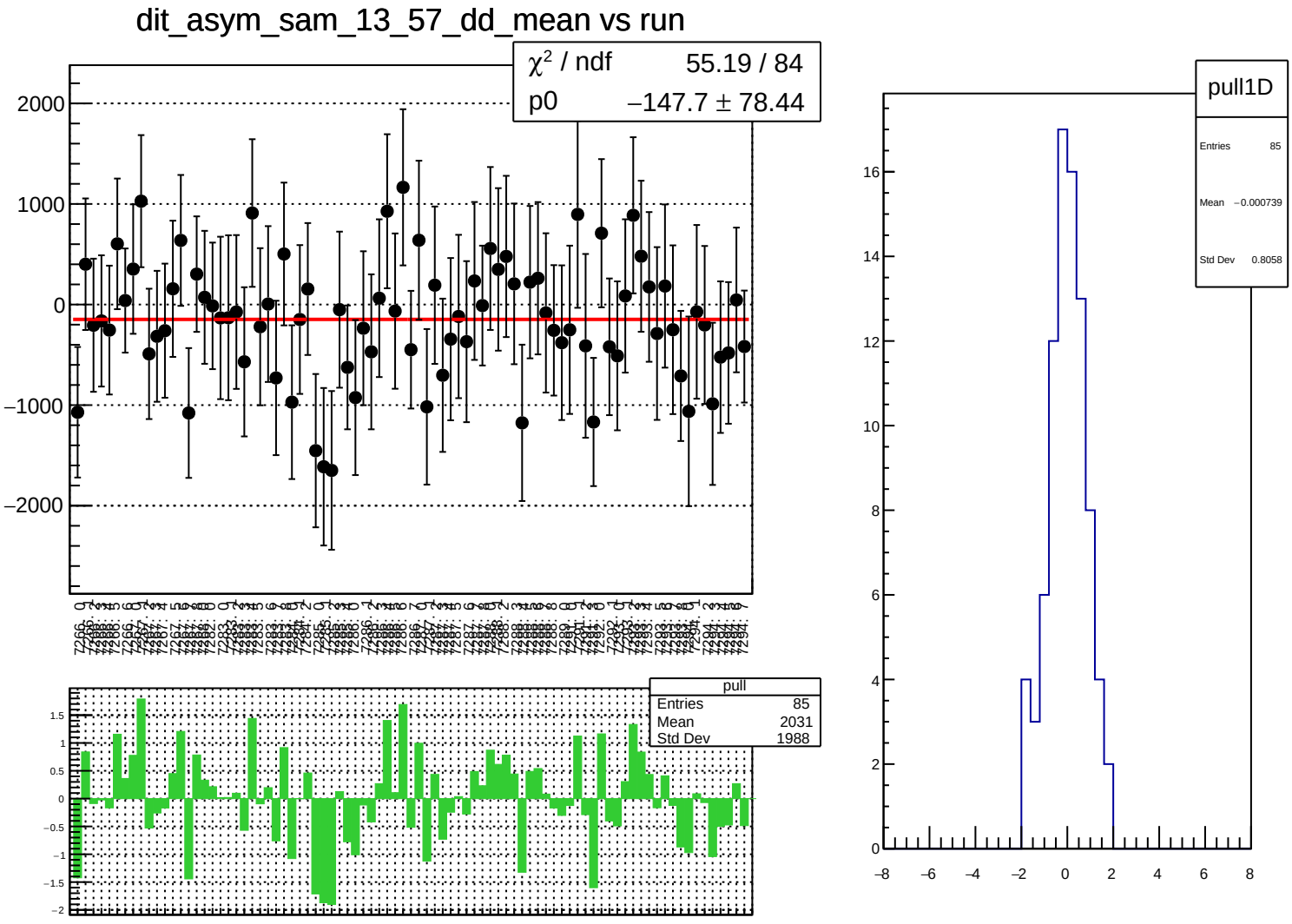
asym_sam_48_dd_correction_rms vs run



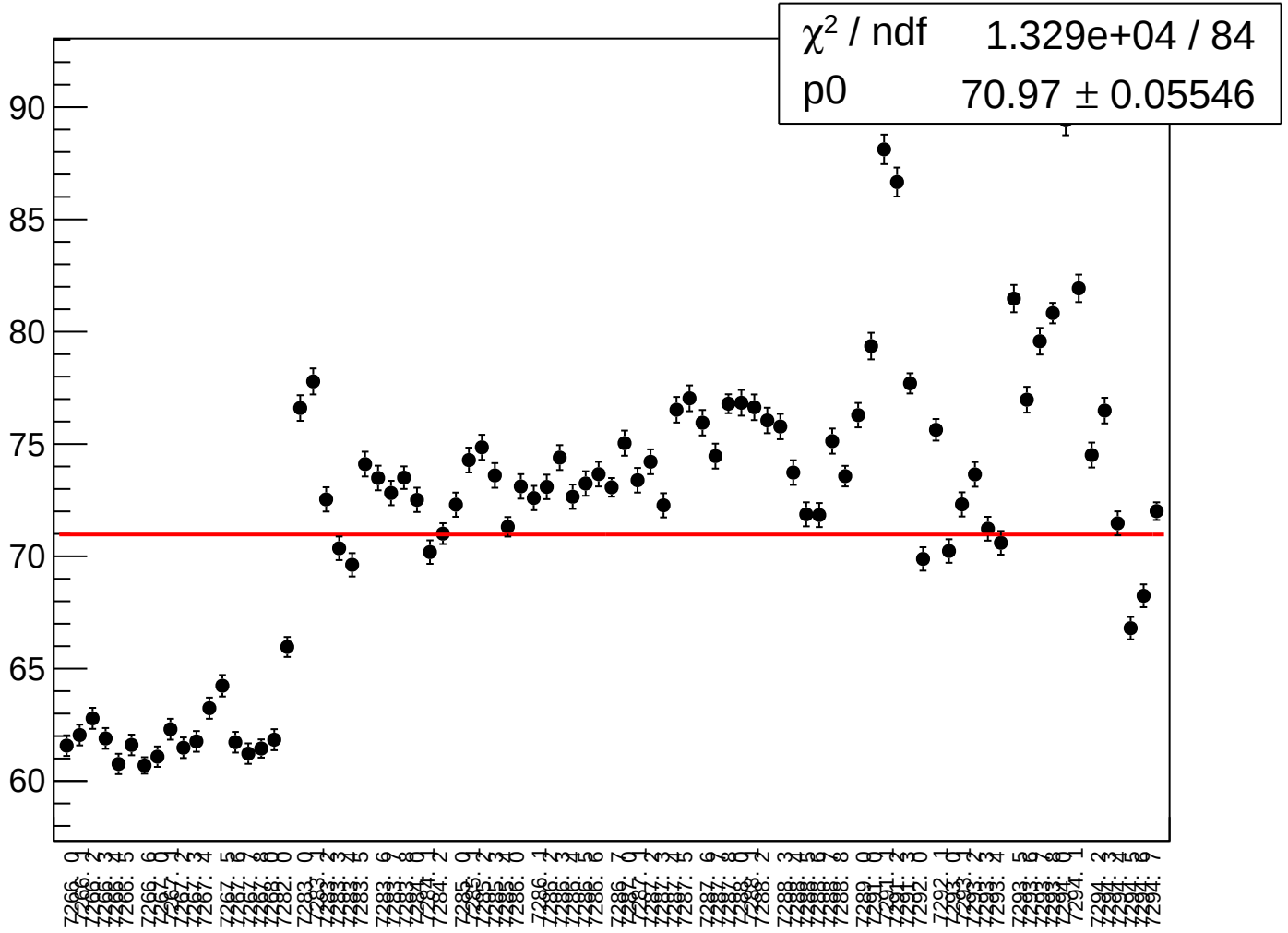

asym_sam_48_dd_mean vs run
χ^2 / ndf 110.2 / 84
p0 1769 ± 982.7
pull
Entries 85
Mean 507.6
Std Dev 456.3
pull1D
Entries 85
Mean 0.005782
Std Dev 1.138

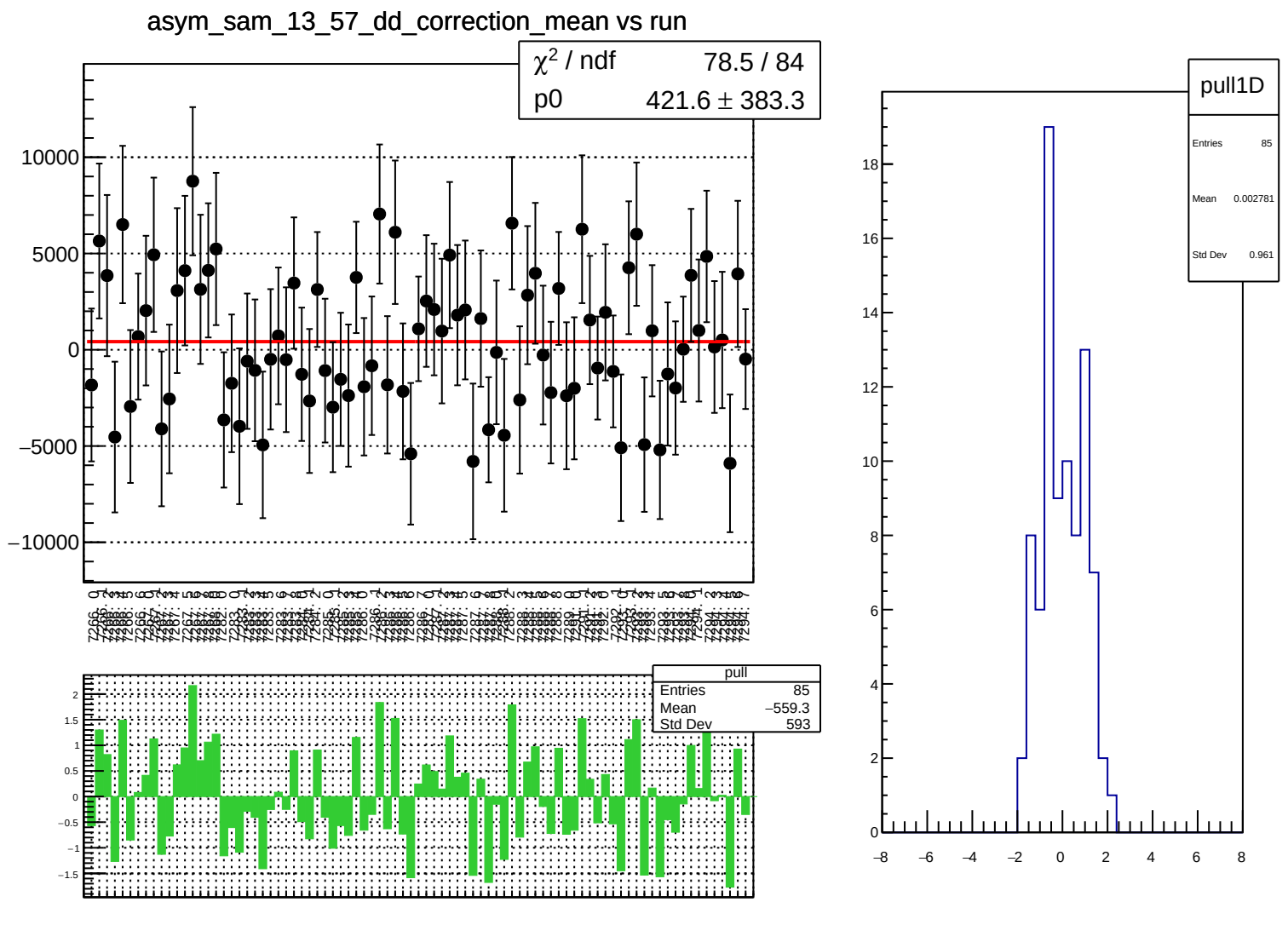
asym_sam_48_dd_rms vs run



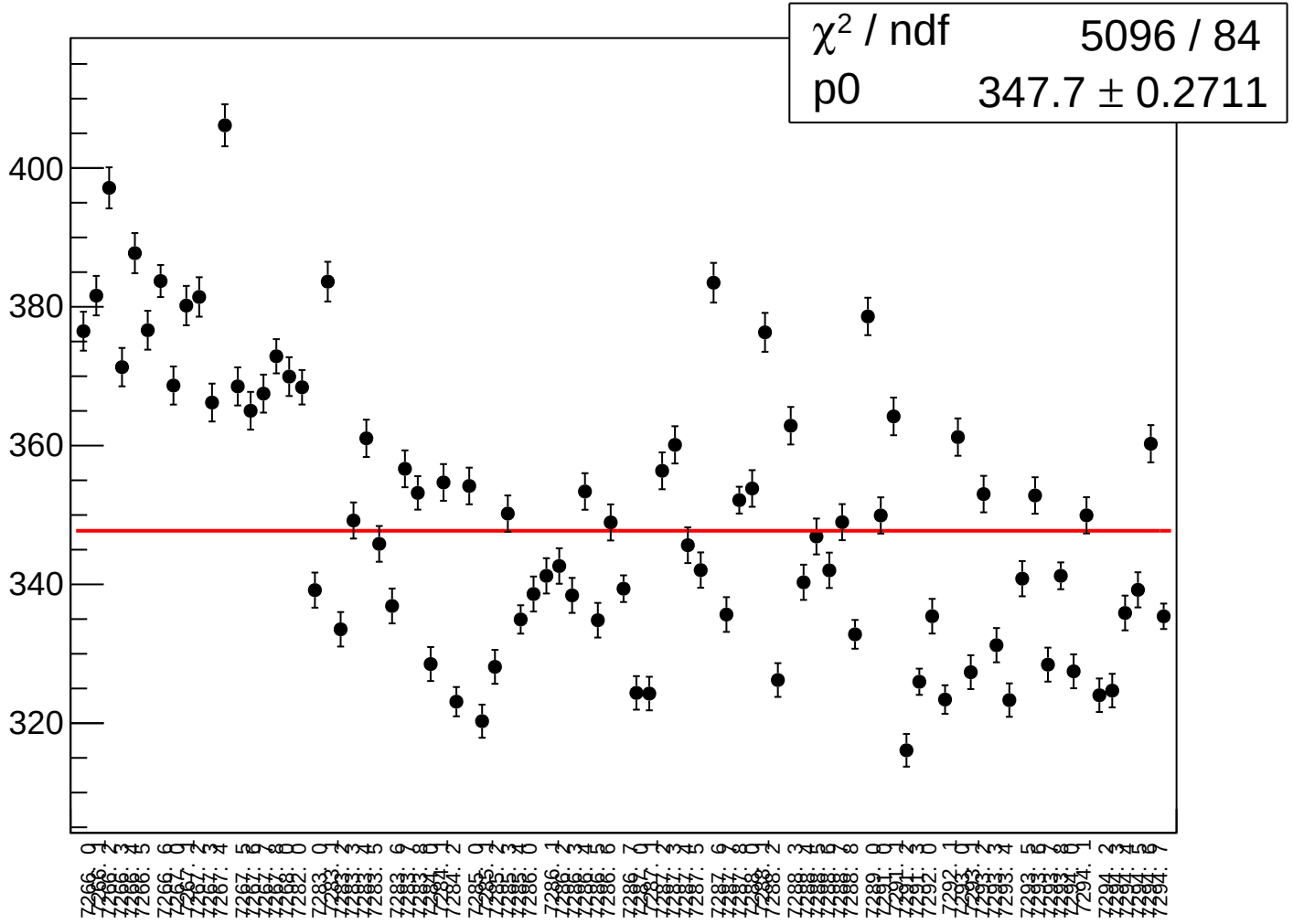

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 55.19 / 84
p0 −147.7 ± 78.44
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 2031
Std Dev 1988
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.000739
Std Dev 0.8058
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

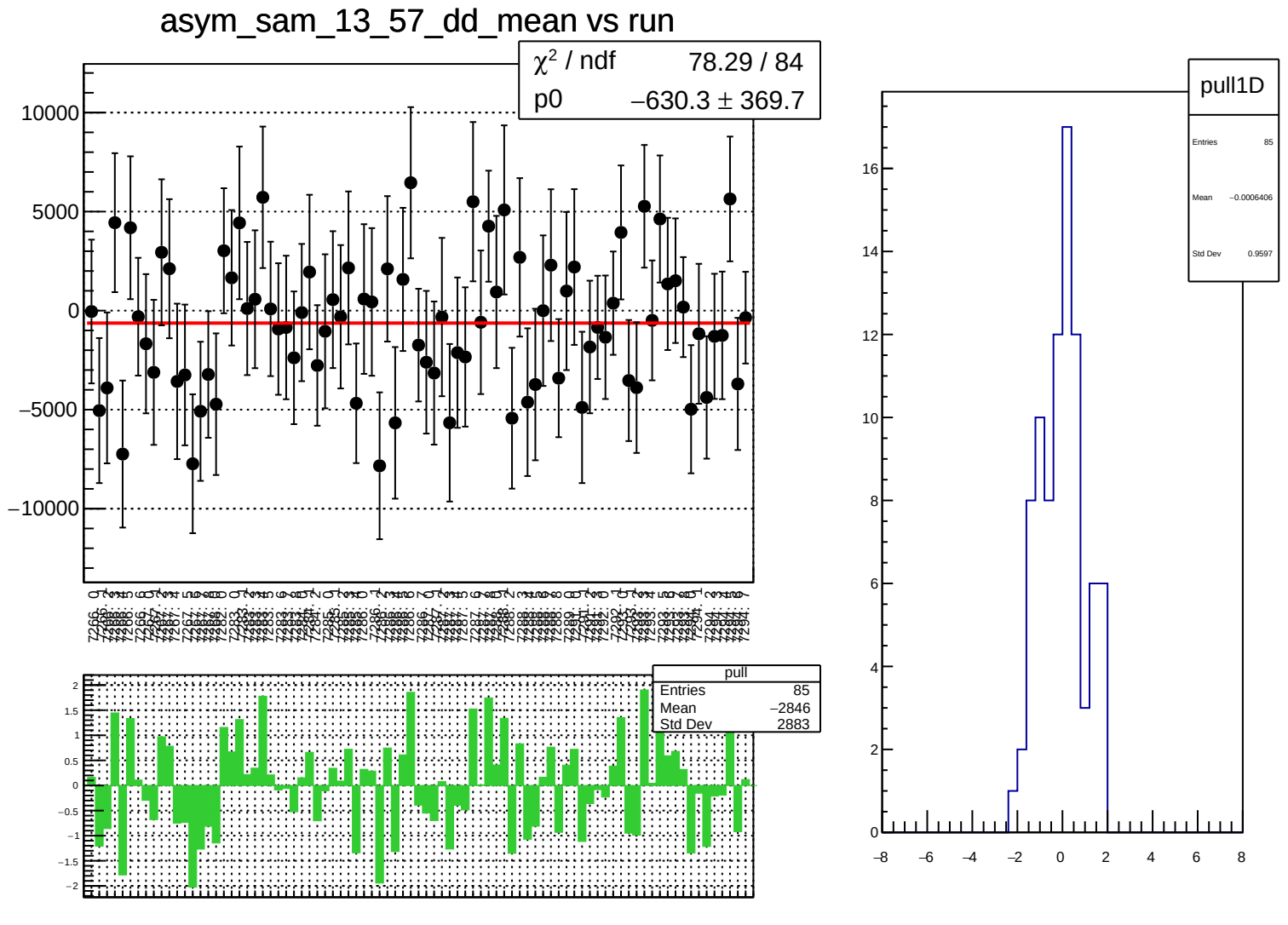
dit_asym_sam_13_57_dd_rms vs run



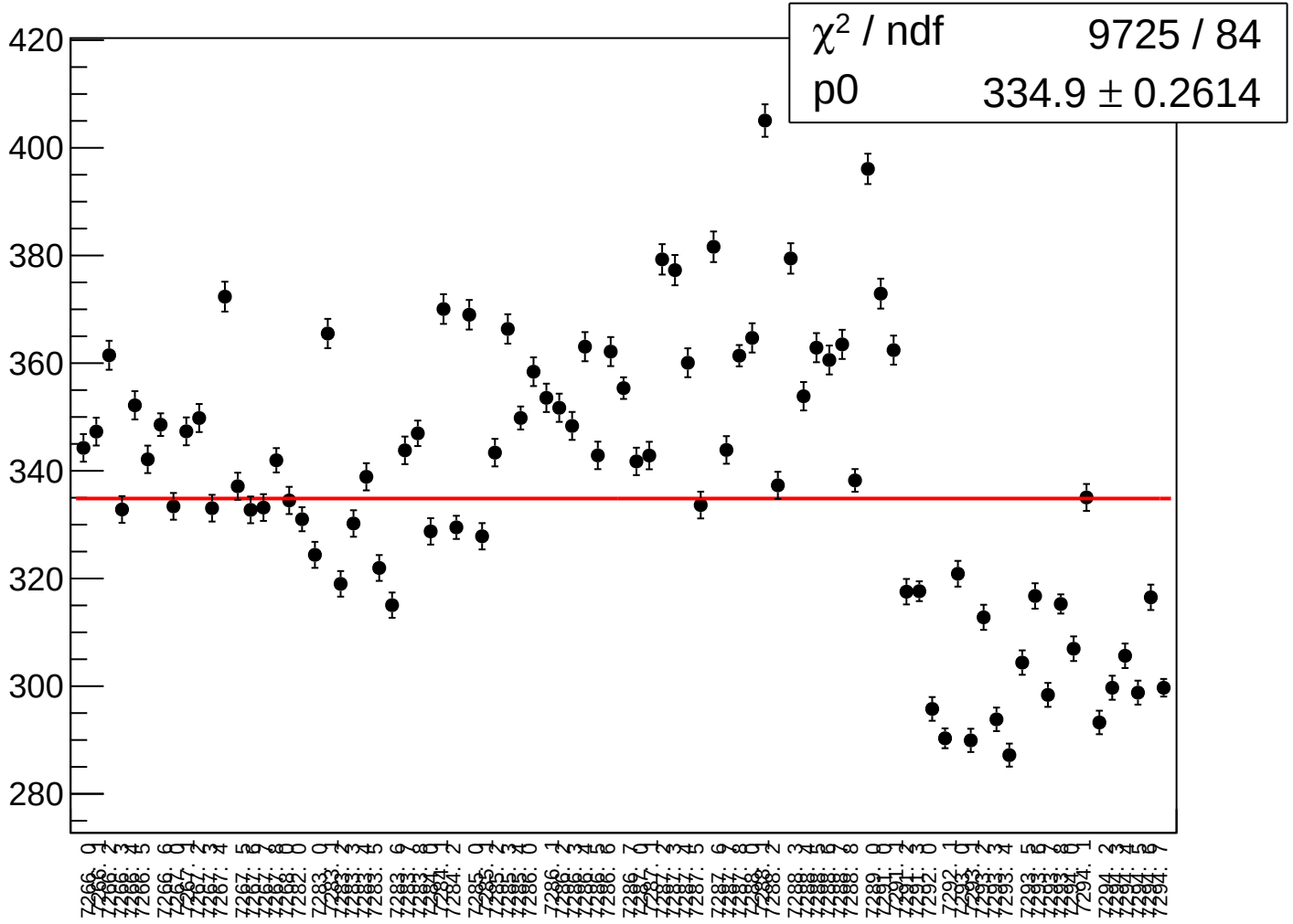

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 78.5 / 84
p0 421.6 ± 383.3
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −559.3
Std Dev 593
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean 0.002781
Std Dev 0.961
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

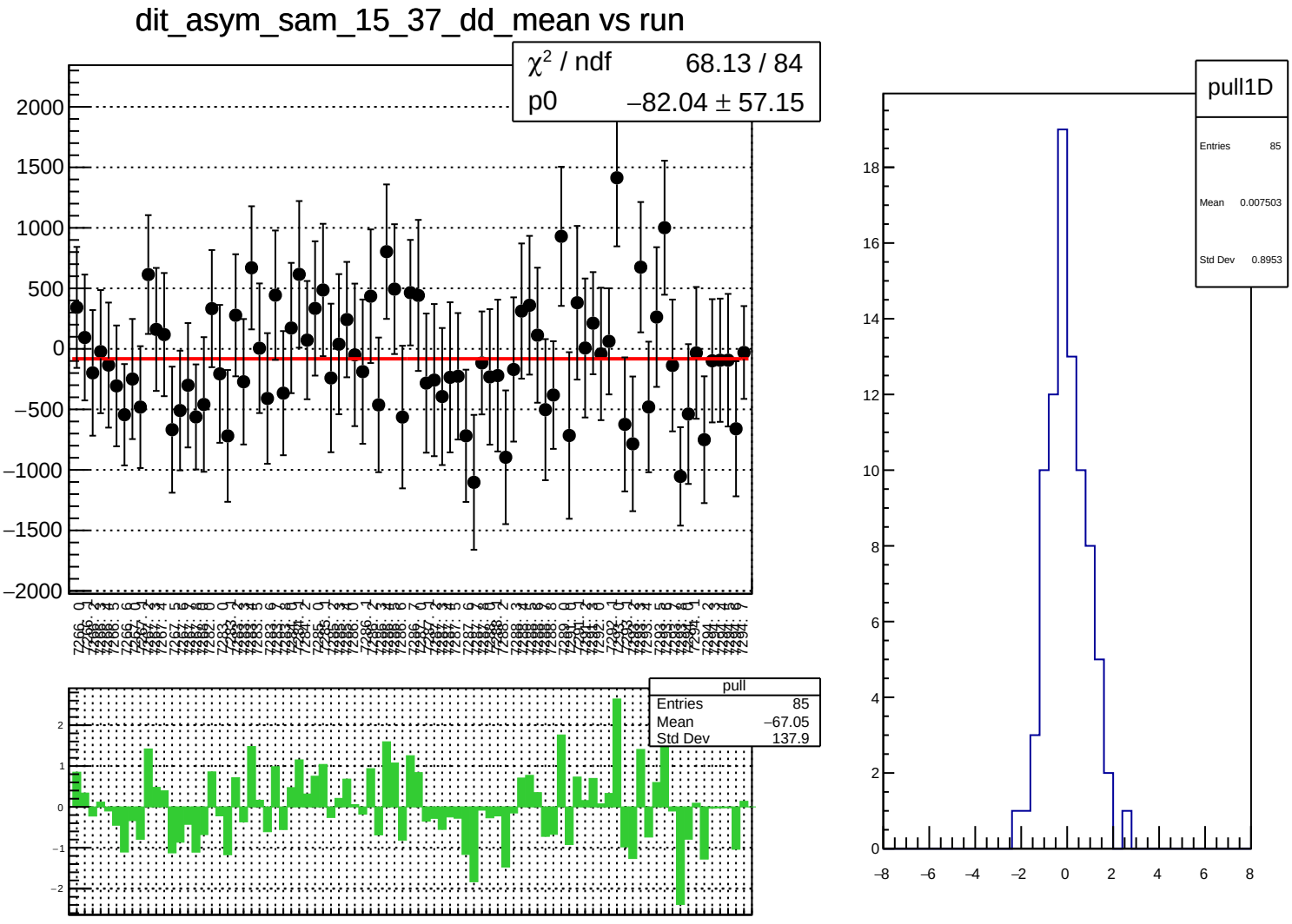
asym_sam_13_57_dd_correction_rms vs run



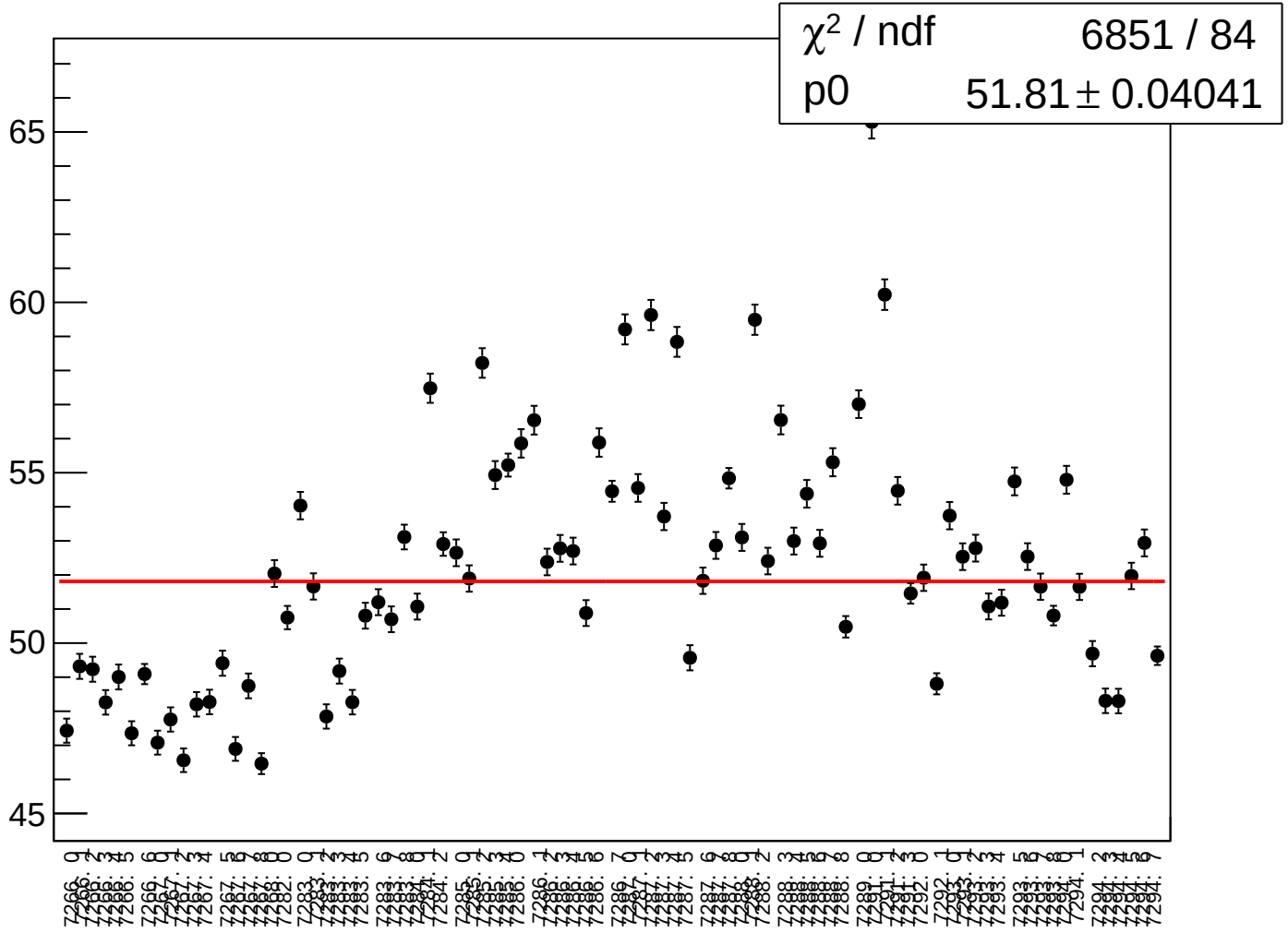

asym_sam_13_57_dd_mean vs run
χ² / ndf 78.29 / 84
p0 −630.3 ± 369.7
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −2846
Std Dev 2883
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.0006406
Std Dev 0.9597
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

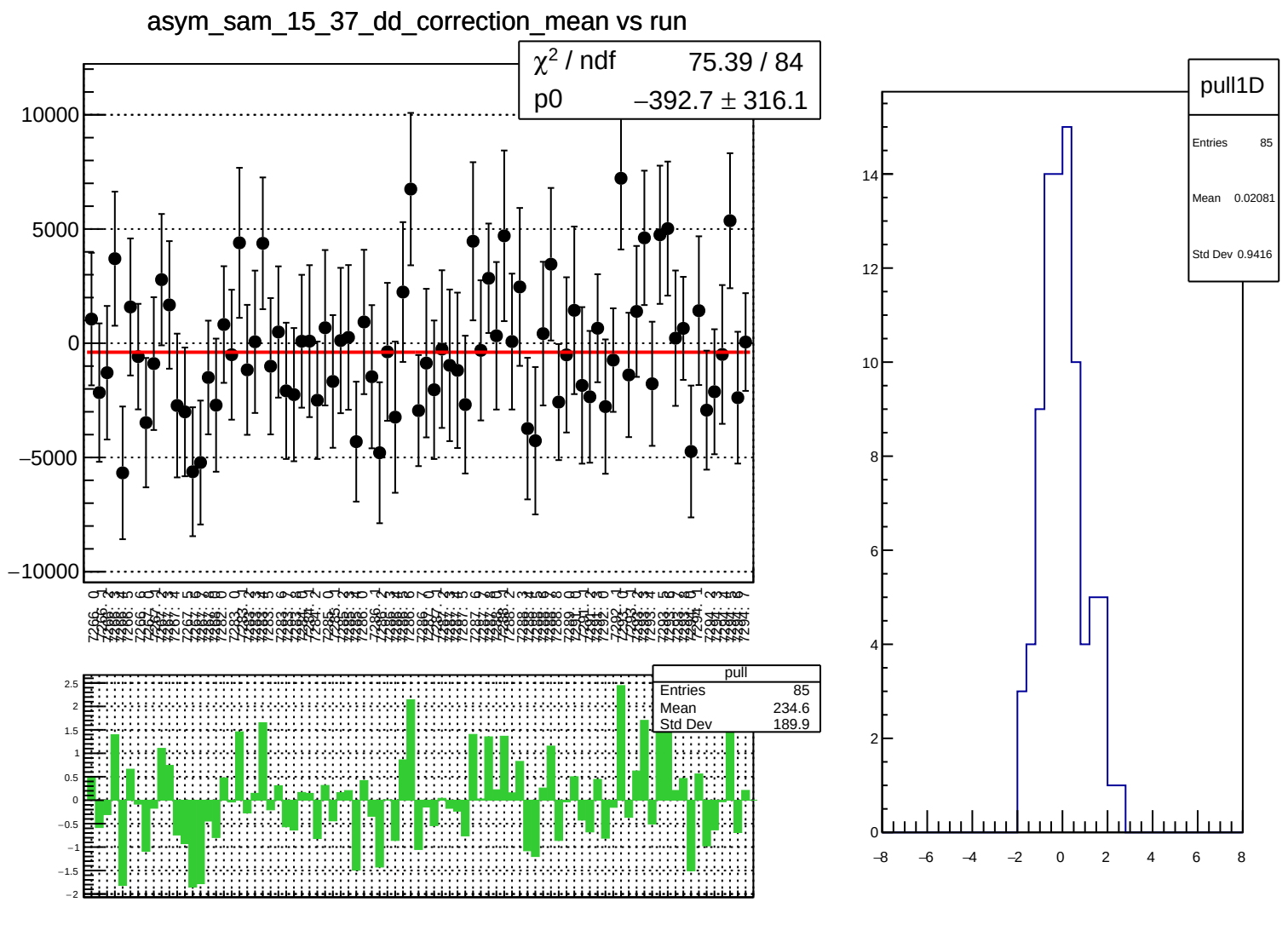
asym_sam_13_57_dd_rms vs run



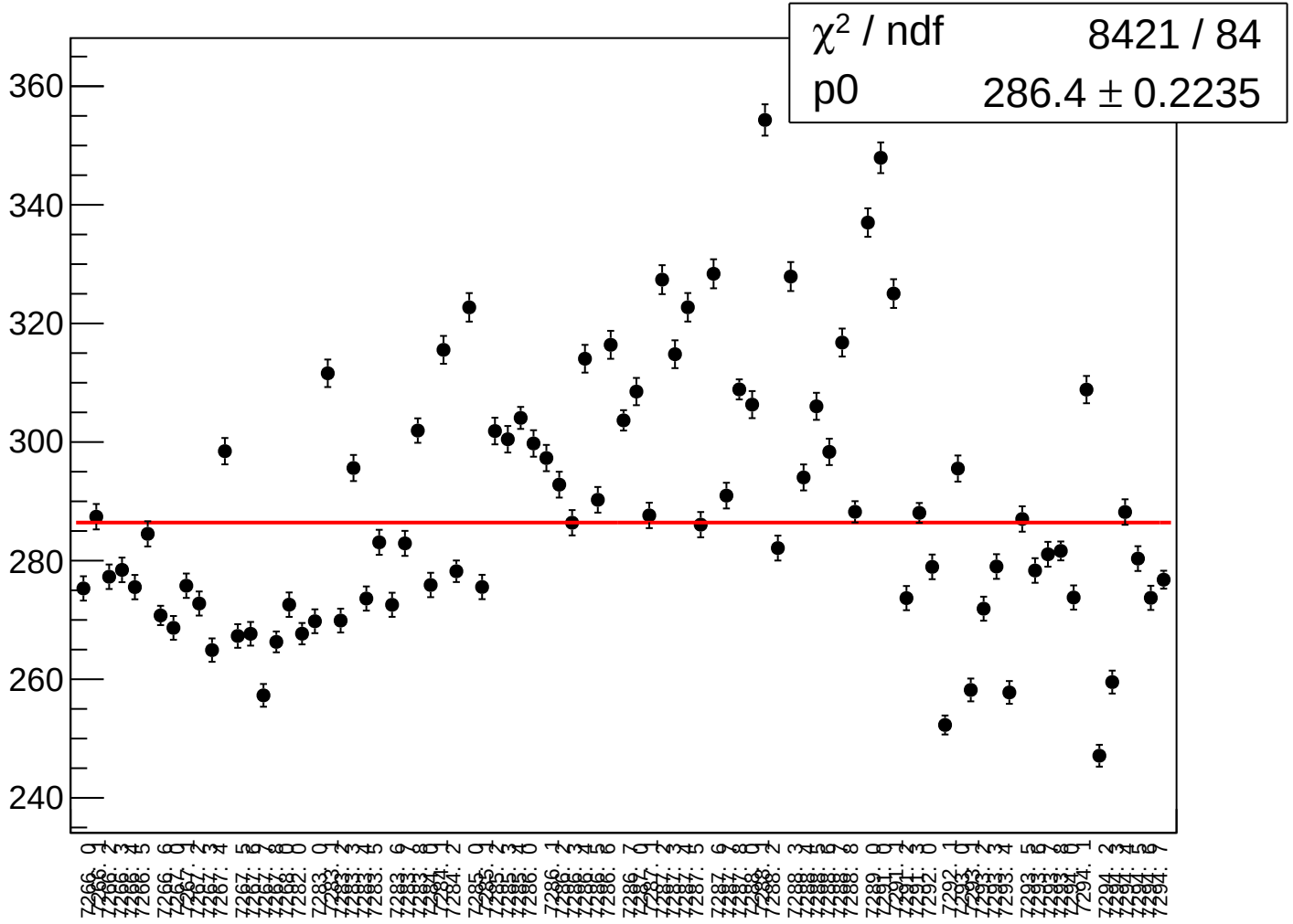

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 68.13 / 84
p0 −82.04 ± 57.15
pull
Entries 85
Mean −67.05
Std Dev 137.9
pull1D
Entries 85
Mean 0.007503
Std Dev 0.8953

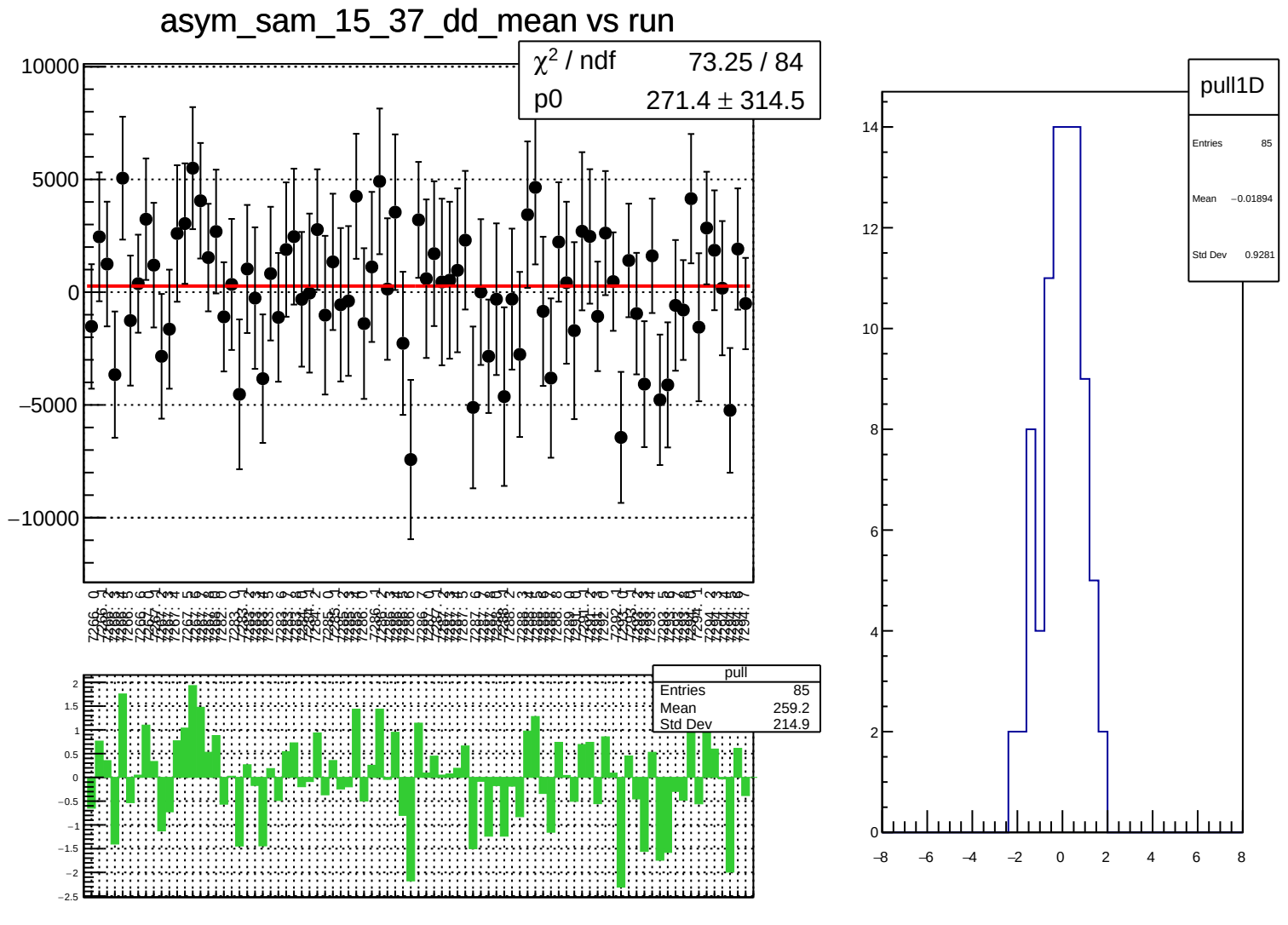
dit_asym_sam_15_37_dd_rms vs run



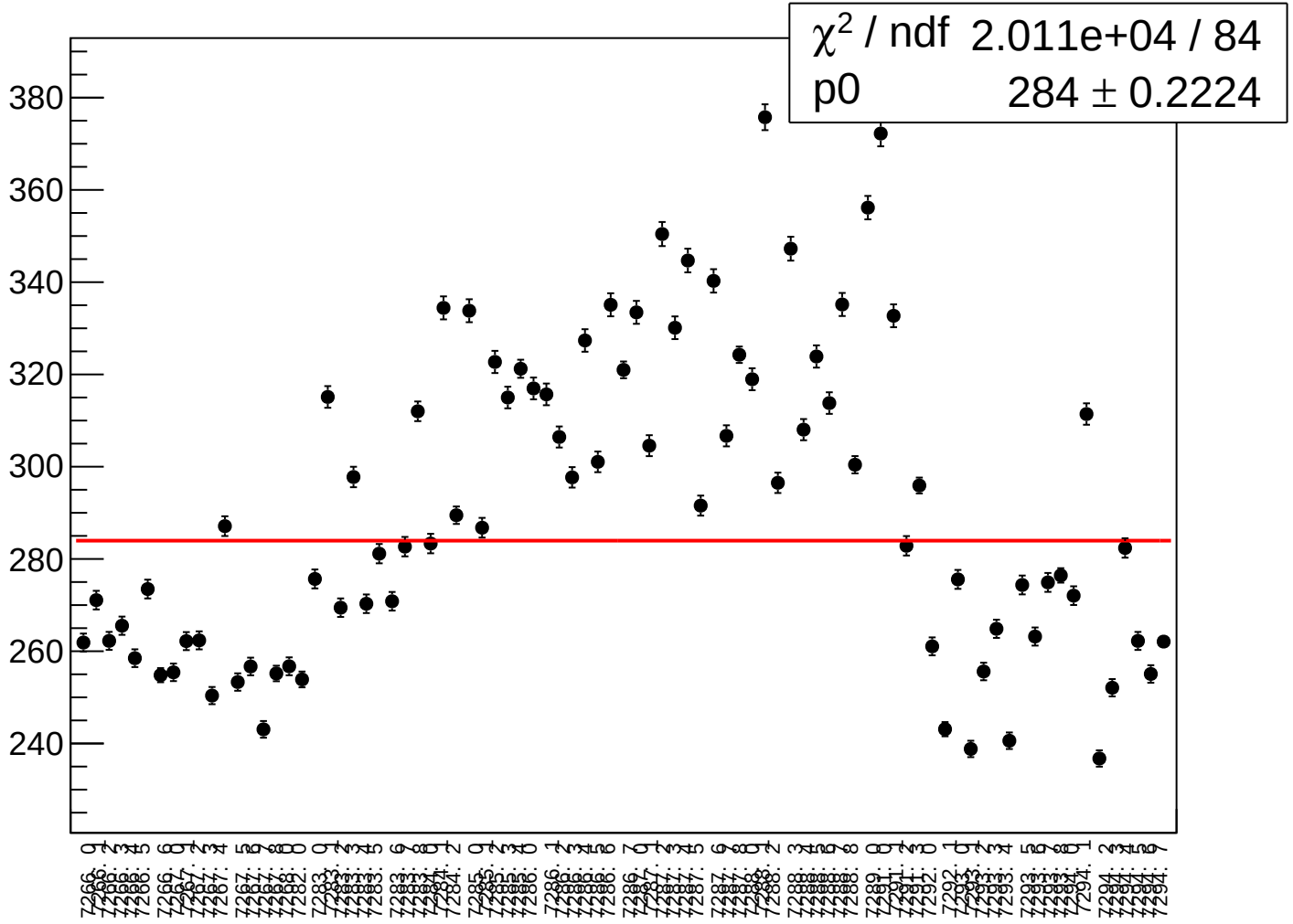

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 75.39 / 84
p0 −392.7 ± 316.1
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 234.6
Std Dev 189.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean 0.02081
Std Dev 0.9416
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

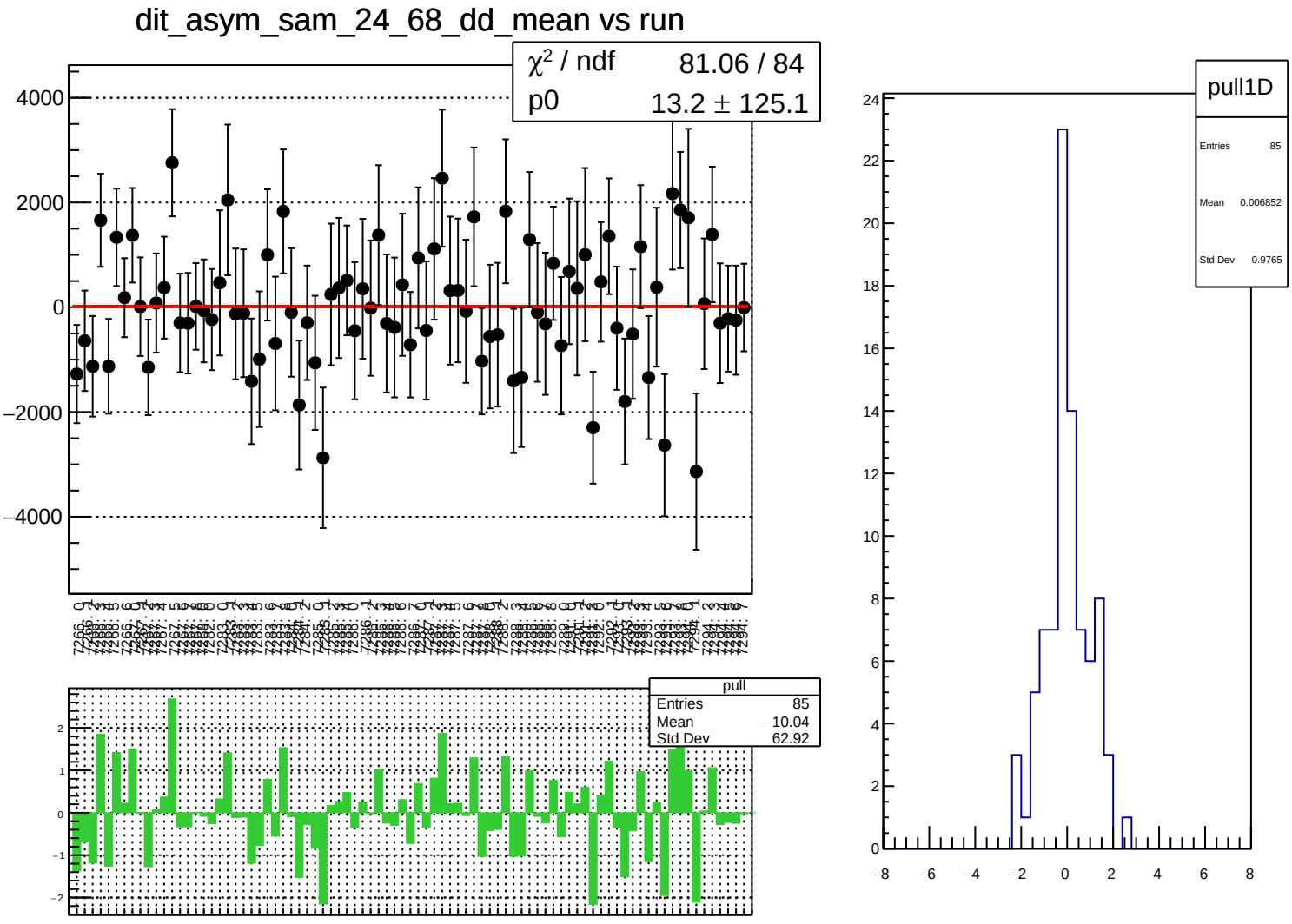
asym_sam_15_37_dd_correction_rms vs run



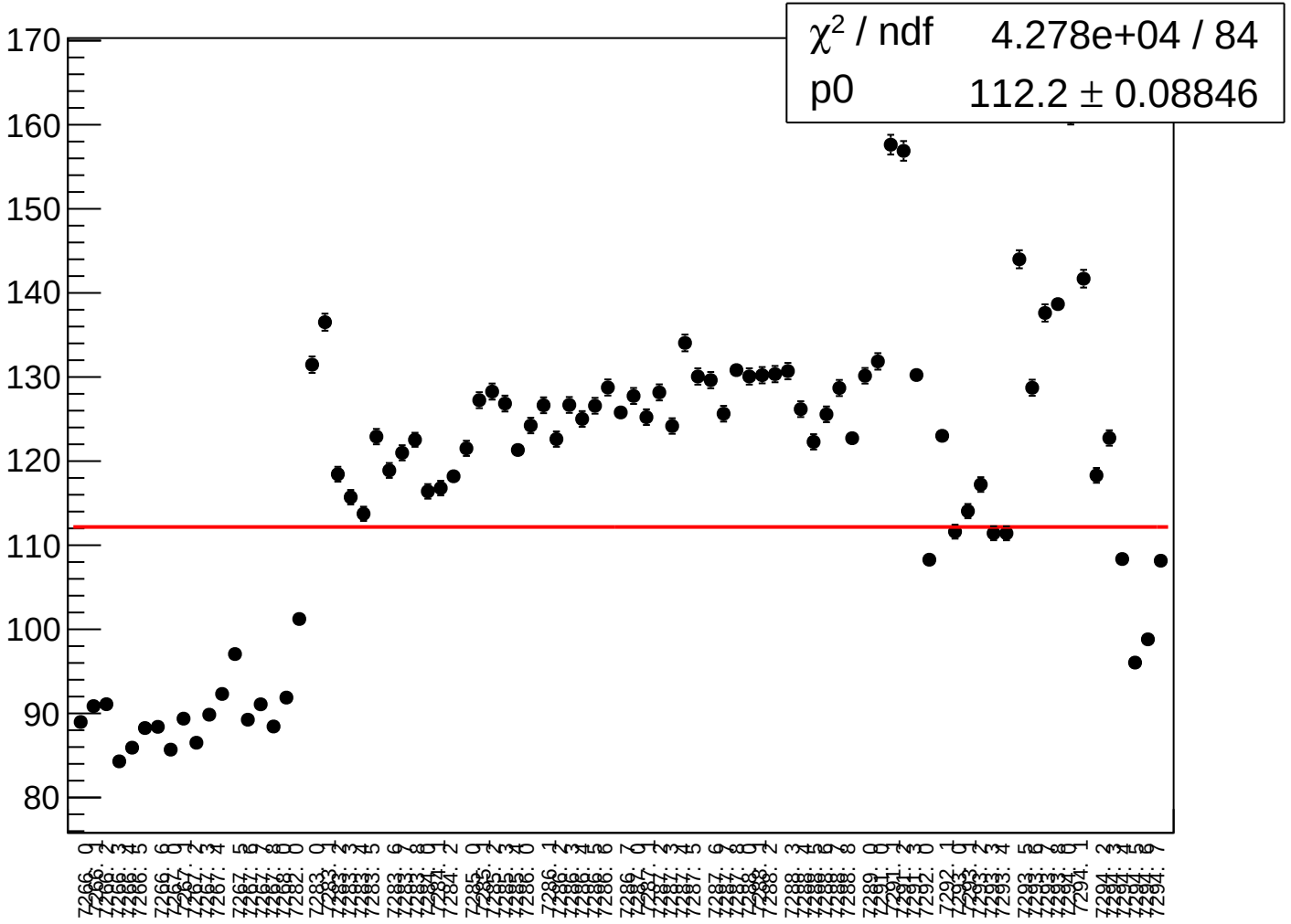

asym_sam_15_37_dd_mean vs run
χ^2 / ndf 73.25 / 84
p0 271.4 ± 314.5
pull
Entries 85
Mean 259.2
Std Dev 214.9
pull1D
Entries 85
Mean −0.01894
Std Dev 0.9281

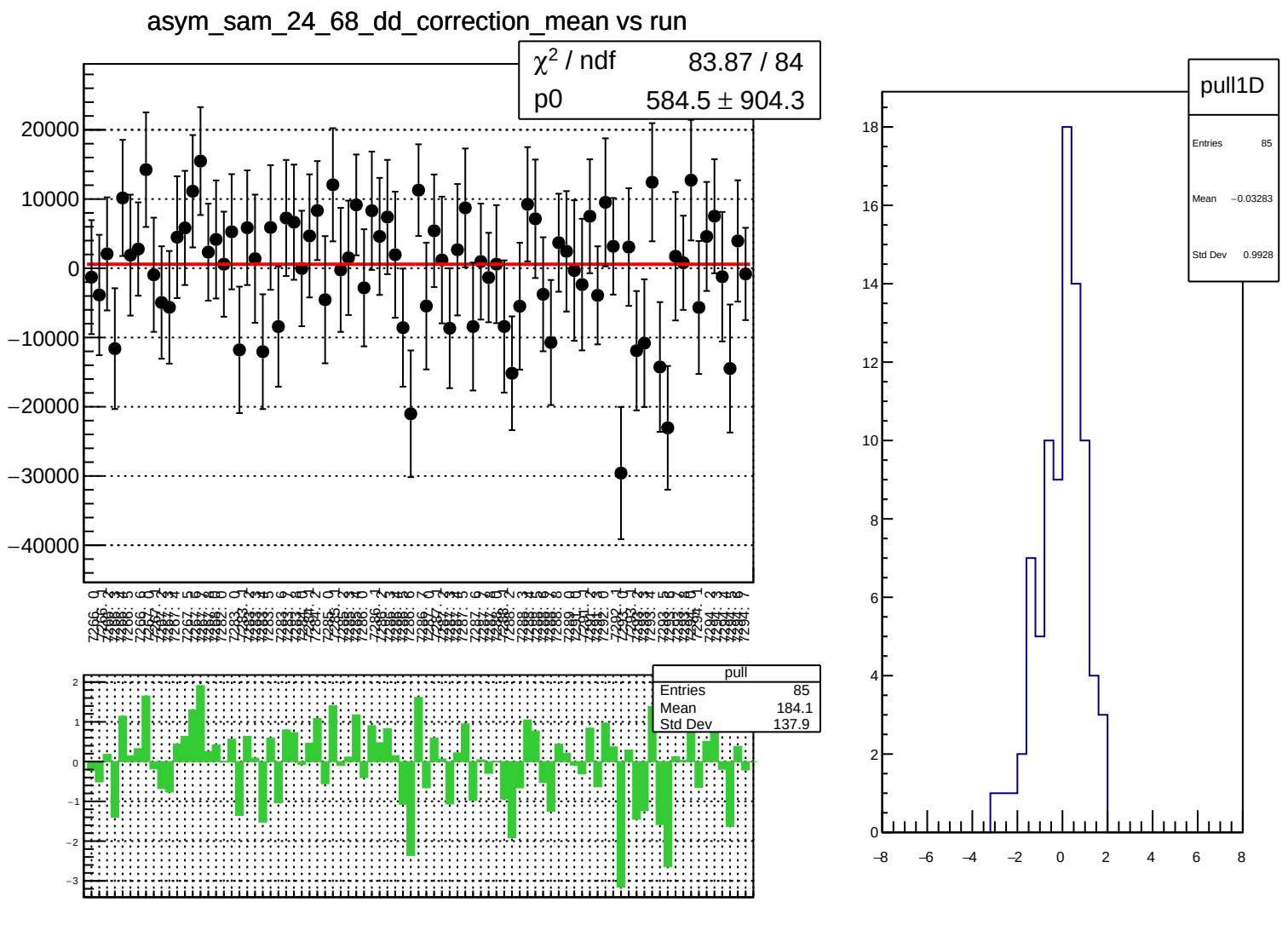
asym_sam_15_37_dd_rms vs run

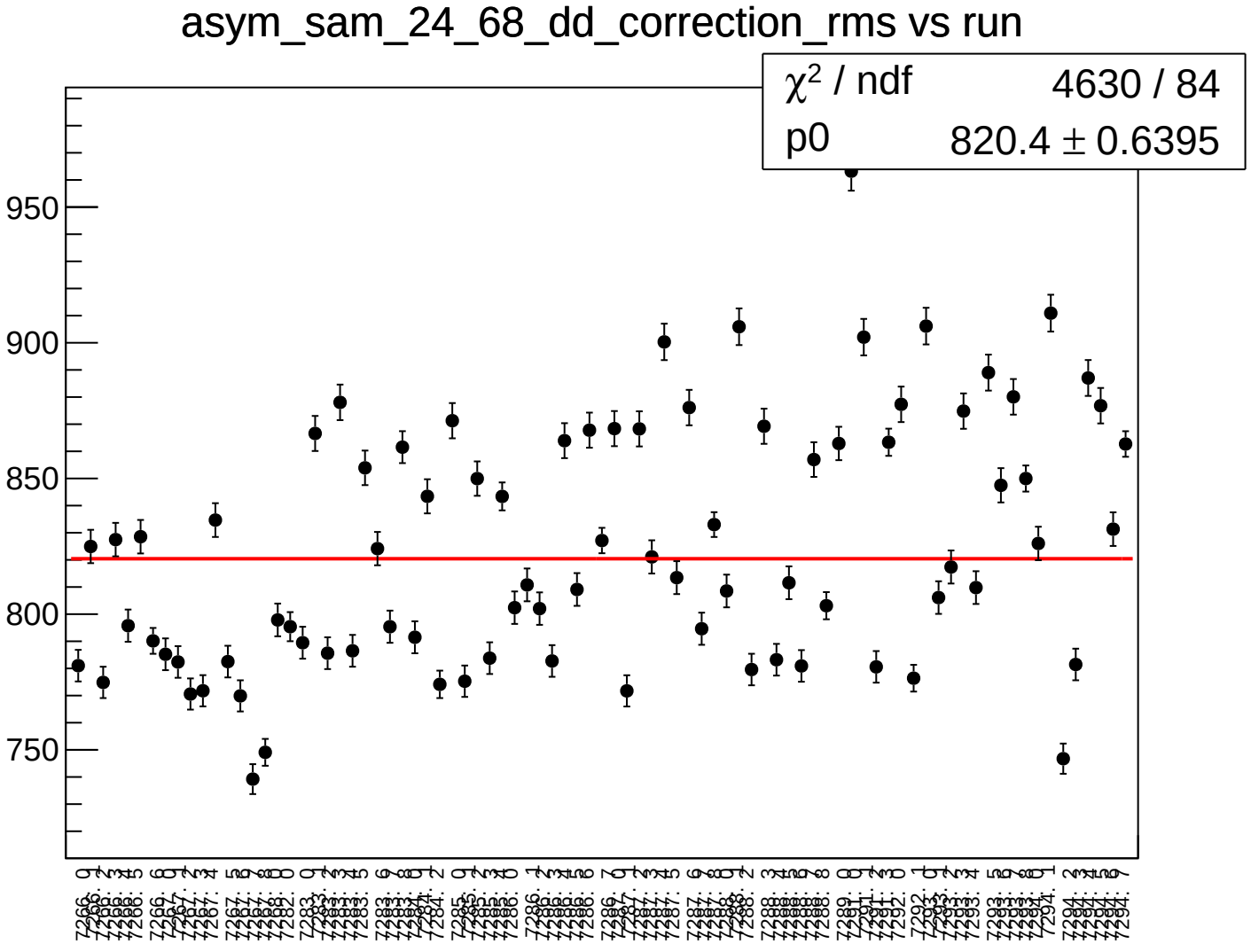


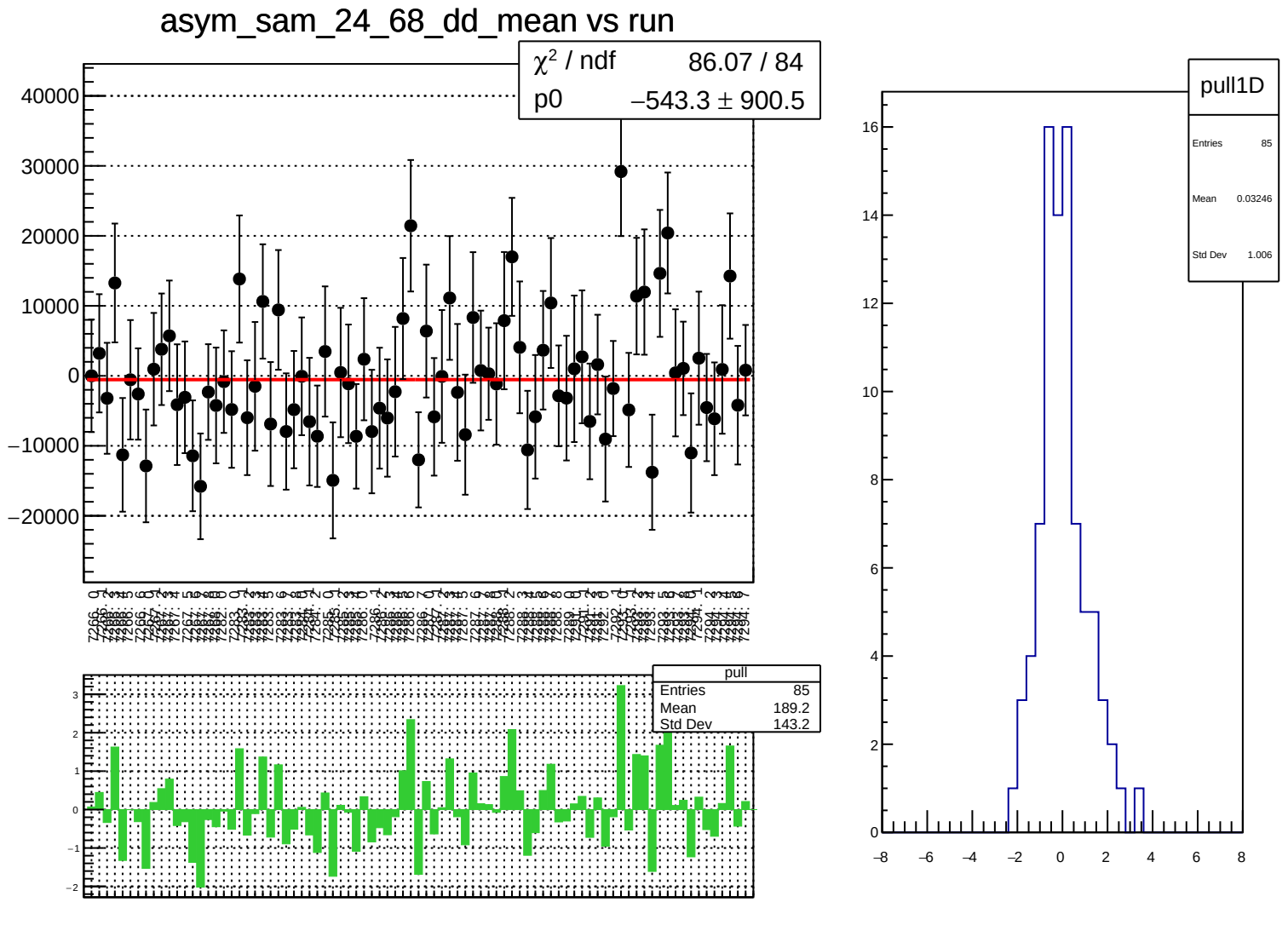

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 81.06 / 84
p0 13.2 ± 125.1
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −10.04
Std Dev 62.92
pull1D
Entries 85
Mean 0.006852
Std Dev 0.9765

dit_asym_sam_24_68_dd_rms vs run

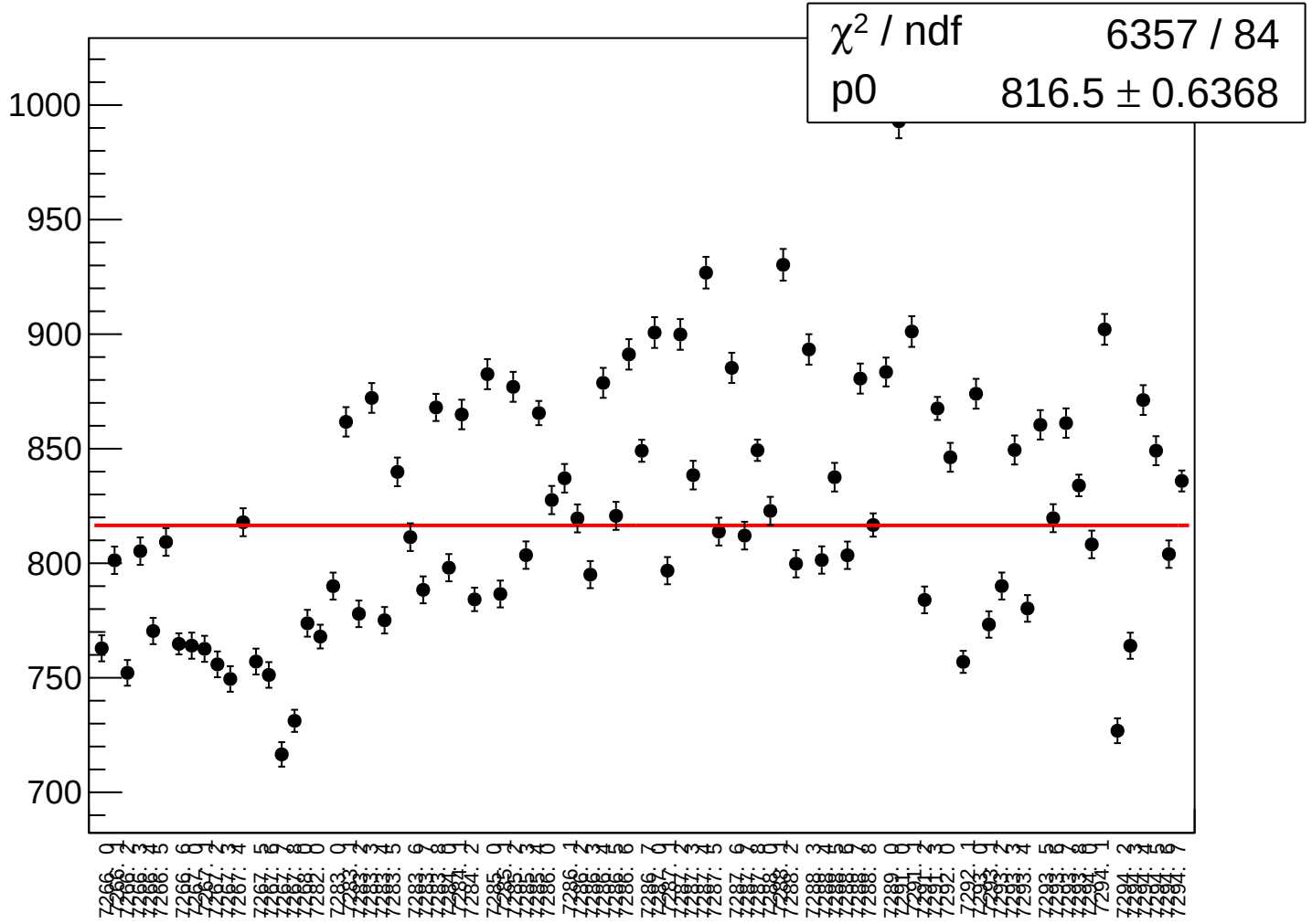


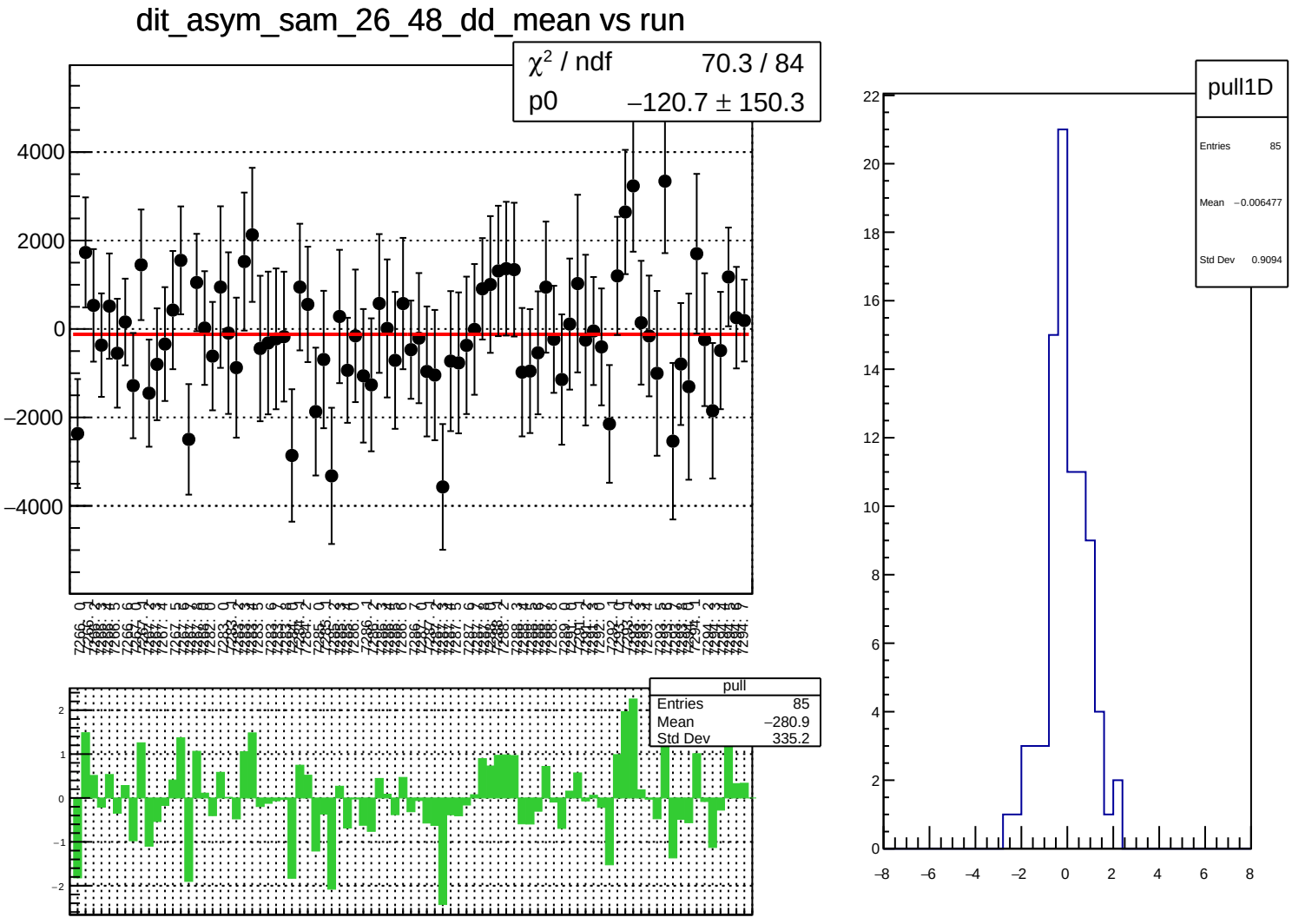

asym_sam_24_68_dd_correction_mean vs run
χ2 / ndf 83.87 / 84
p0 584.5 ± 904.3
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean 184.1
Std Dev 137.9
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.03283
Std Dev 0.9928
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 4630 / 84
p0 820.4 ± 0.6395
950
900
850
800
750

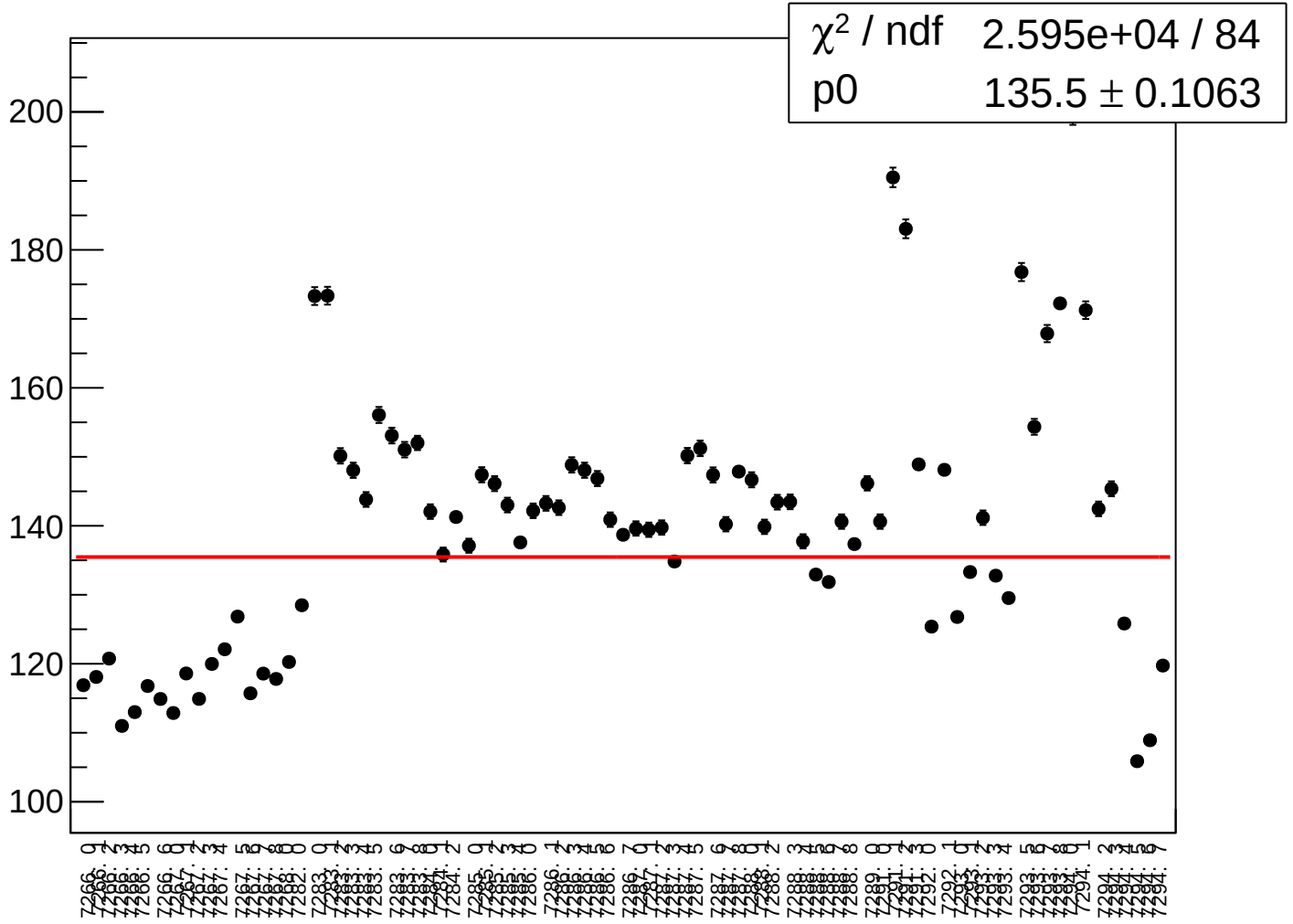

asym_sam_24_68_dd_mean vs run
χ² / ndf 86.07 / 84
p0 −543.3 ± 900.5
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 189.2
Std Dev 143.2
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.03246
Std Dev 1.006
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

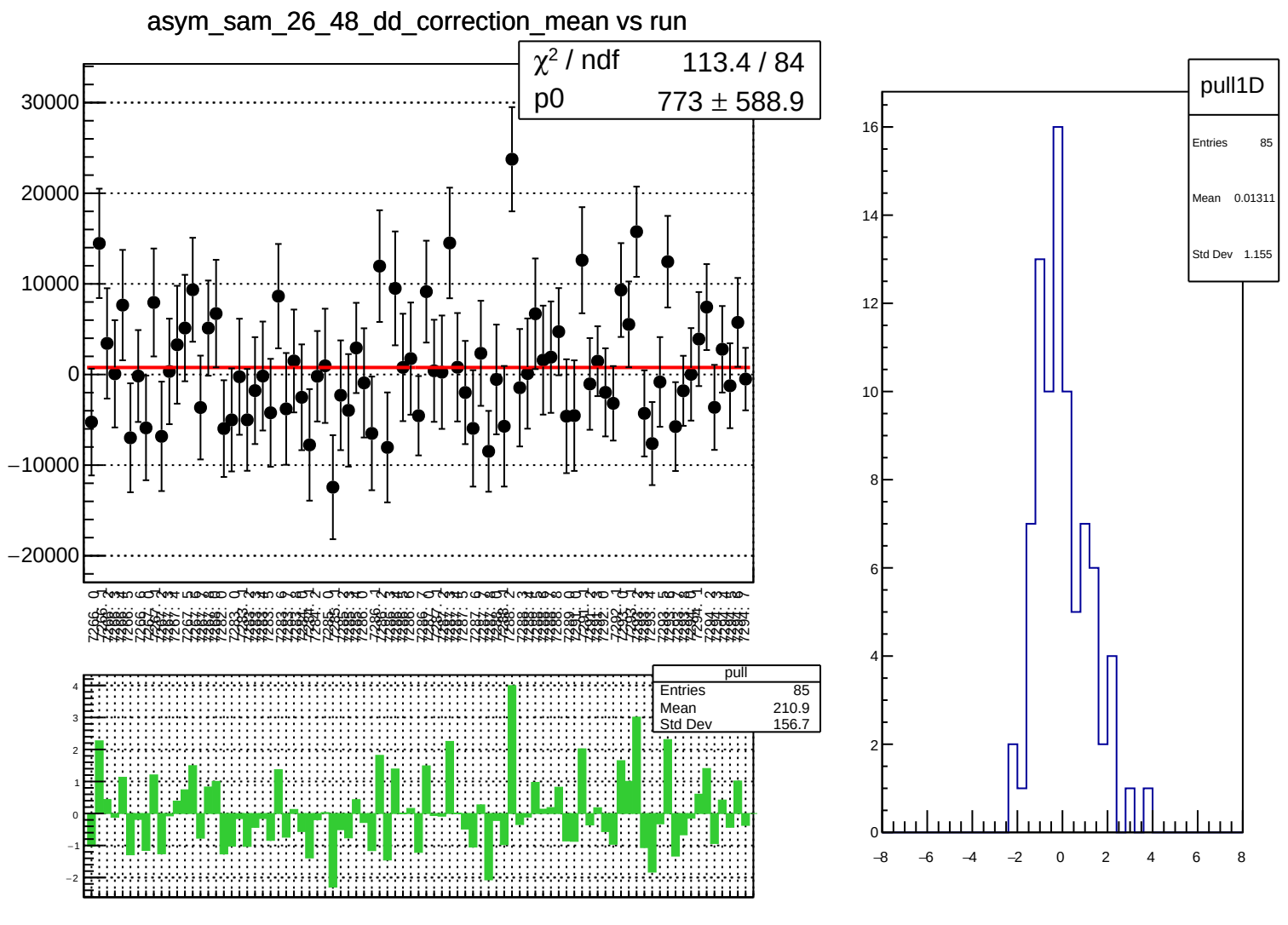
asym_sam_24_68_dd_rms vs run

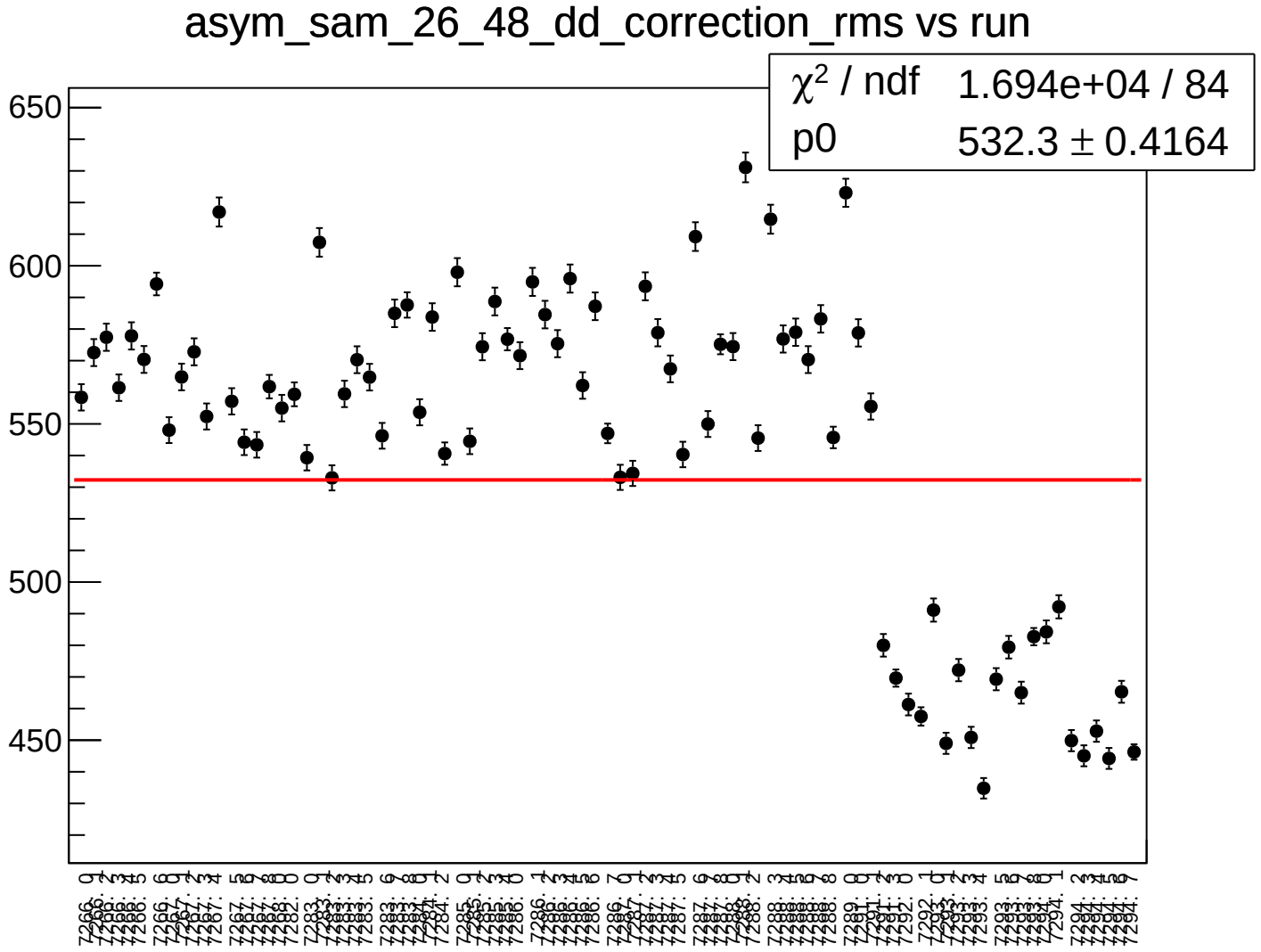


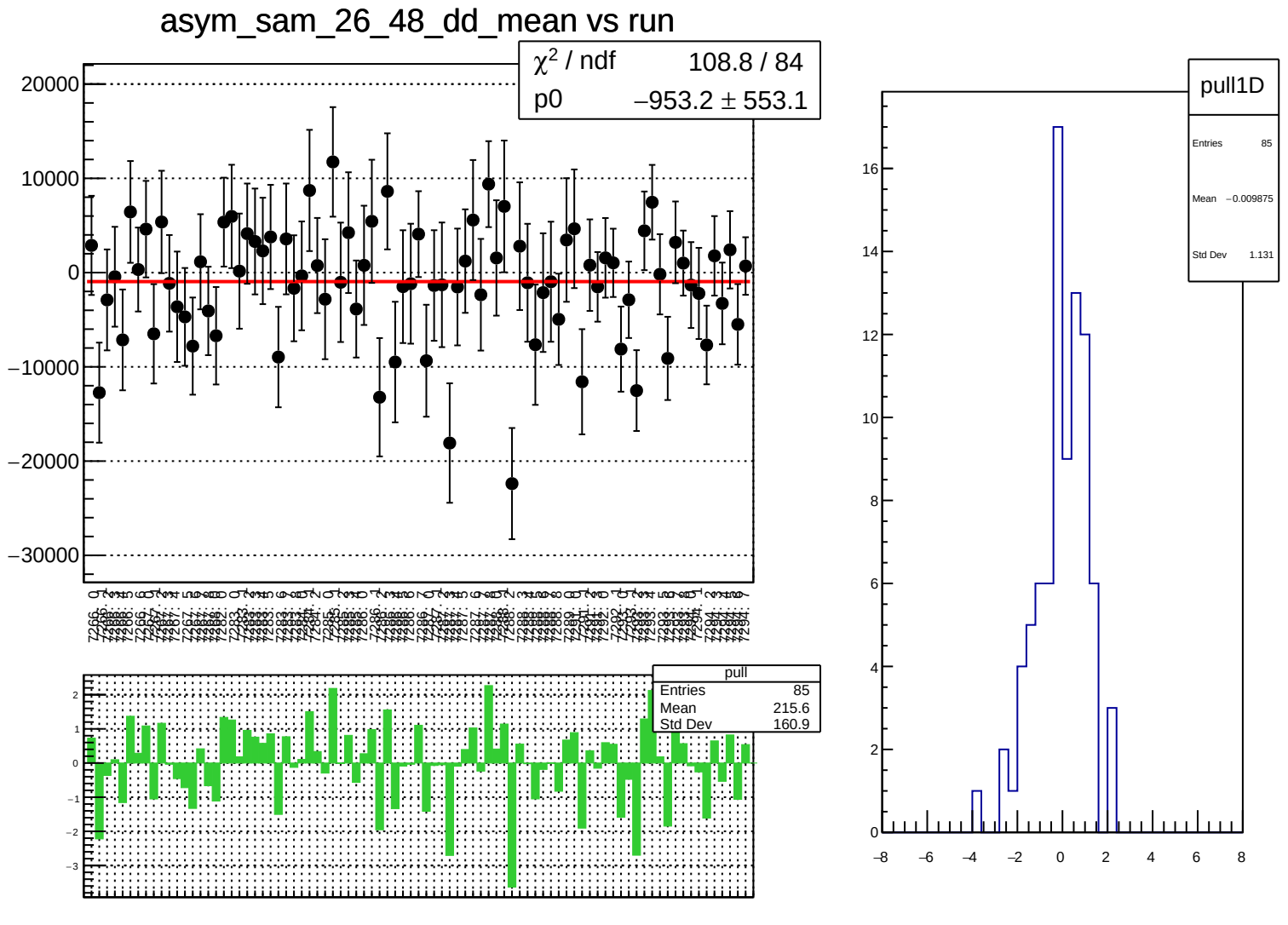

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 70.3 / 84
p0 −120.7 ± 150.3
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −280.9
Std Dev 335.2
pull1D
Entries 85
Mean −0.006477
Std Dev 0.9094

dit_asym_sam_26_48_dd_rms vs run

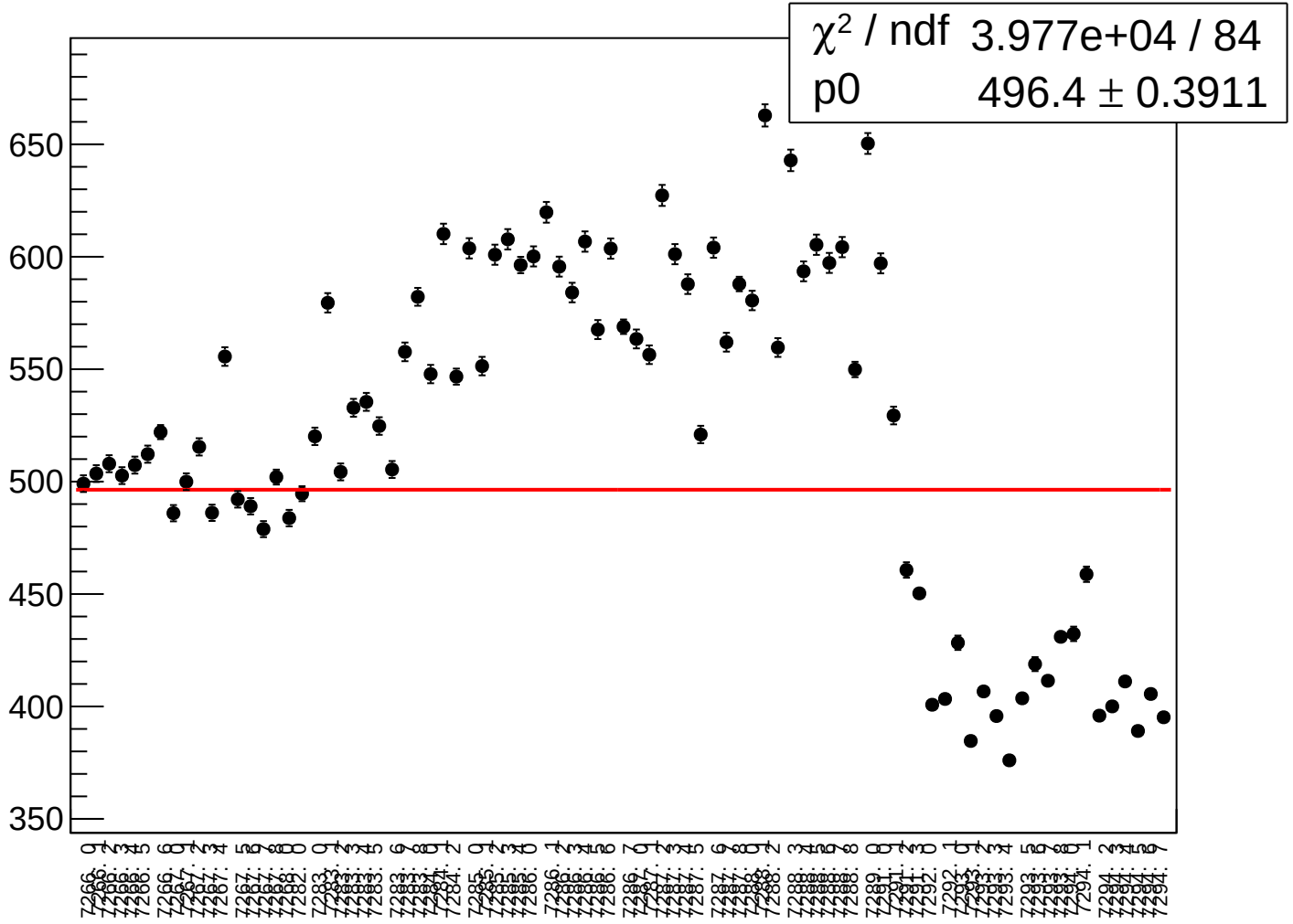


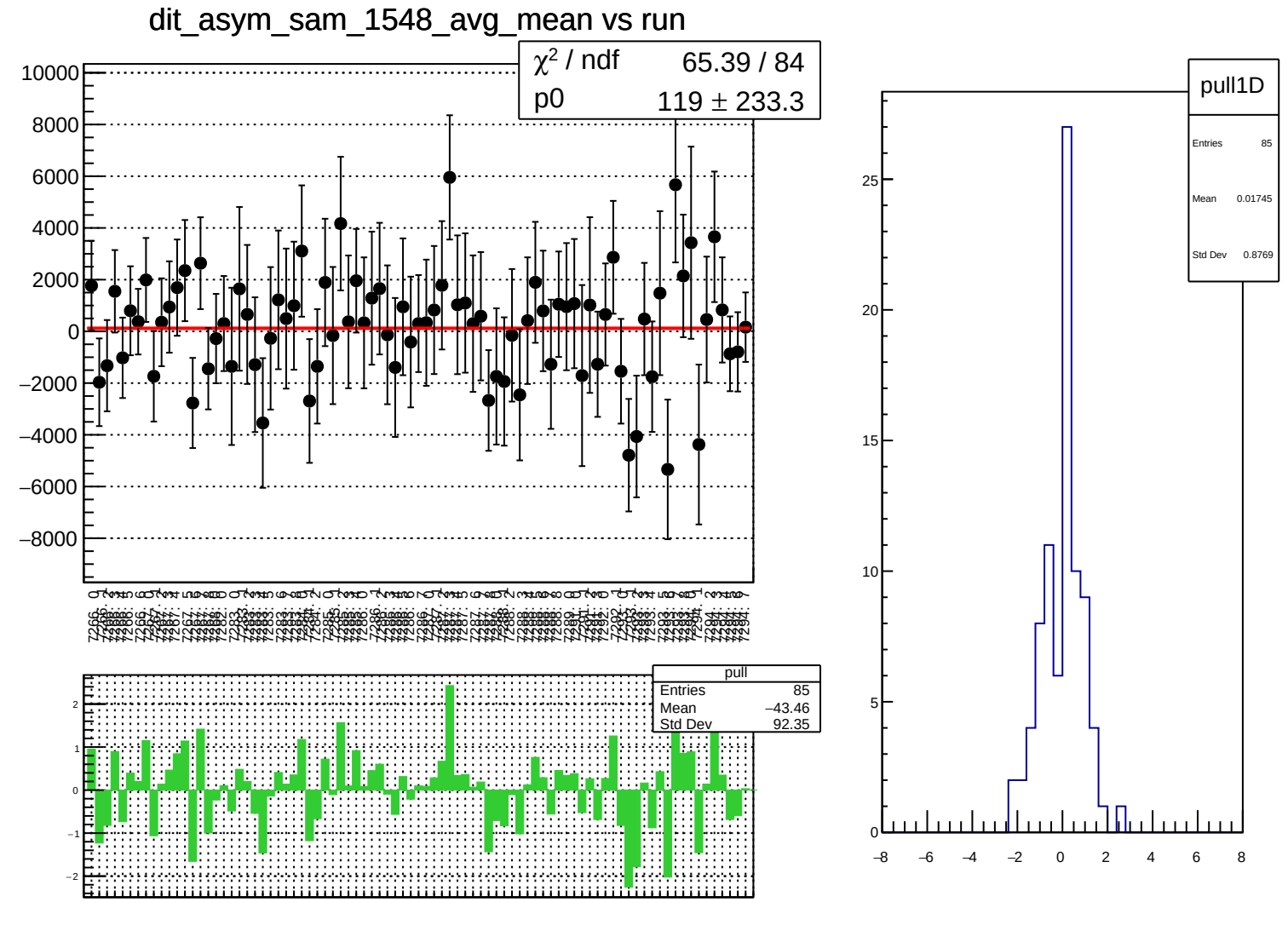

asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 113.4 / 84
p0 773 ± 588.9
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 210.9
Std Dev 156.7
pull1D
Entries 85
Mean 0.01311
Std Dev 1.155


asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 1.694e+04 / 84
p0 532.3 ± 0.4164
650
600
550
500
450

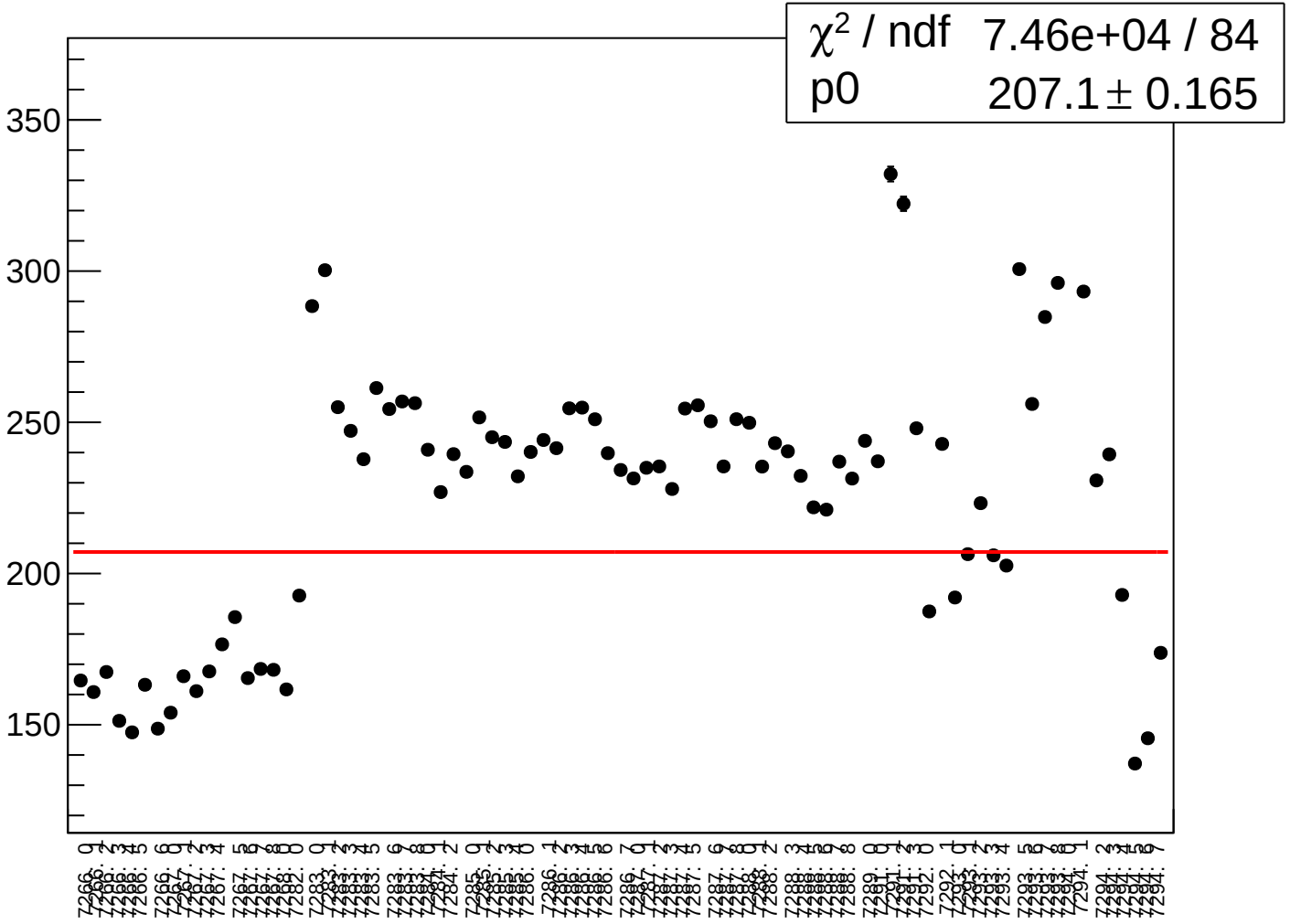

asym_sam_26_48_dd_mean vs run
χ² / ndf 108.8 / 84
p0 −953.2 ± 553.1
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 215.6
Std Dev 160.9
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.009875
Std Dev 1.131
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

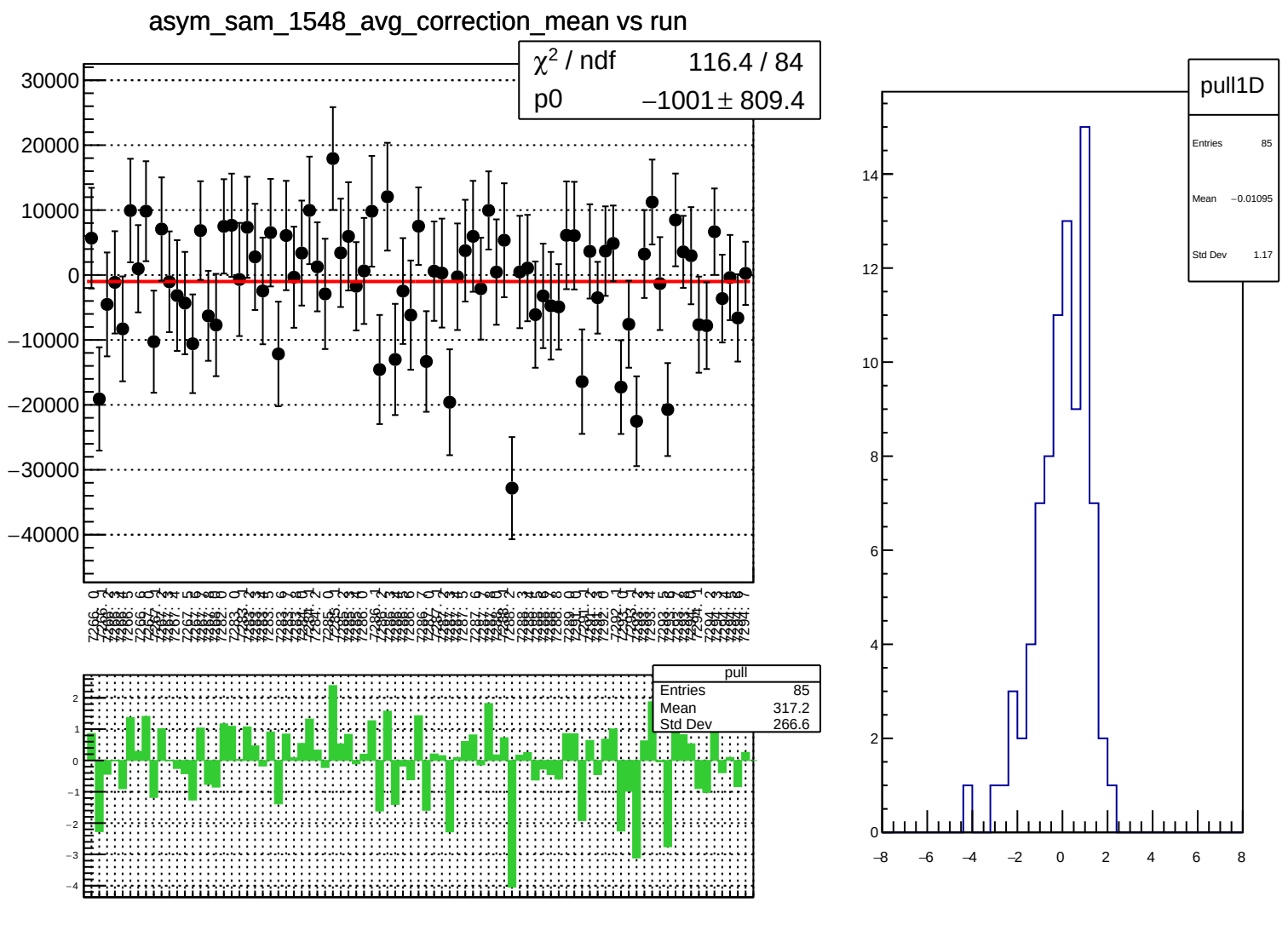
asym_sam_26_48_dd_rms vs run



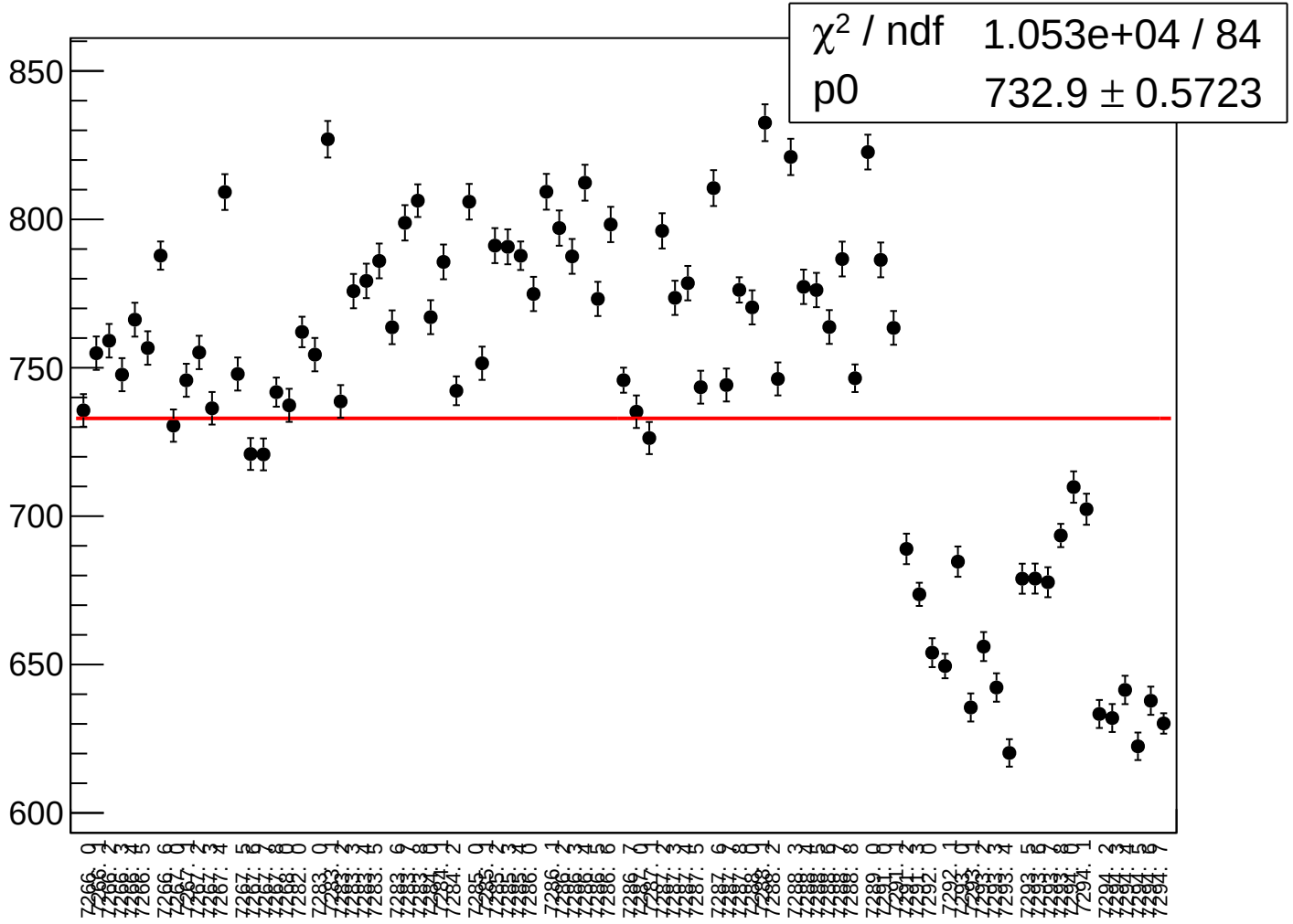

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 65.39 / 84
p0 119 ± 233.3
pull
Entries 85
Mean −43.46
Std Dev 92.35
pull1D
Entries 85
Mean 0.01745
Std Dev 0.8769

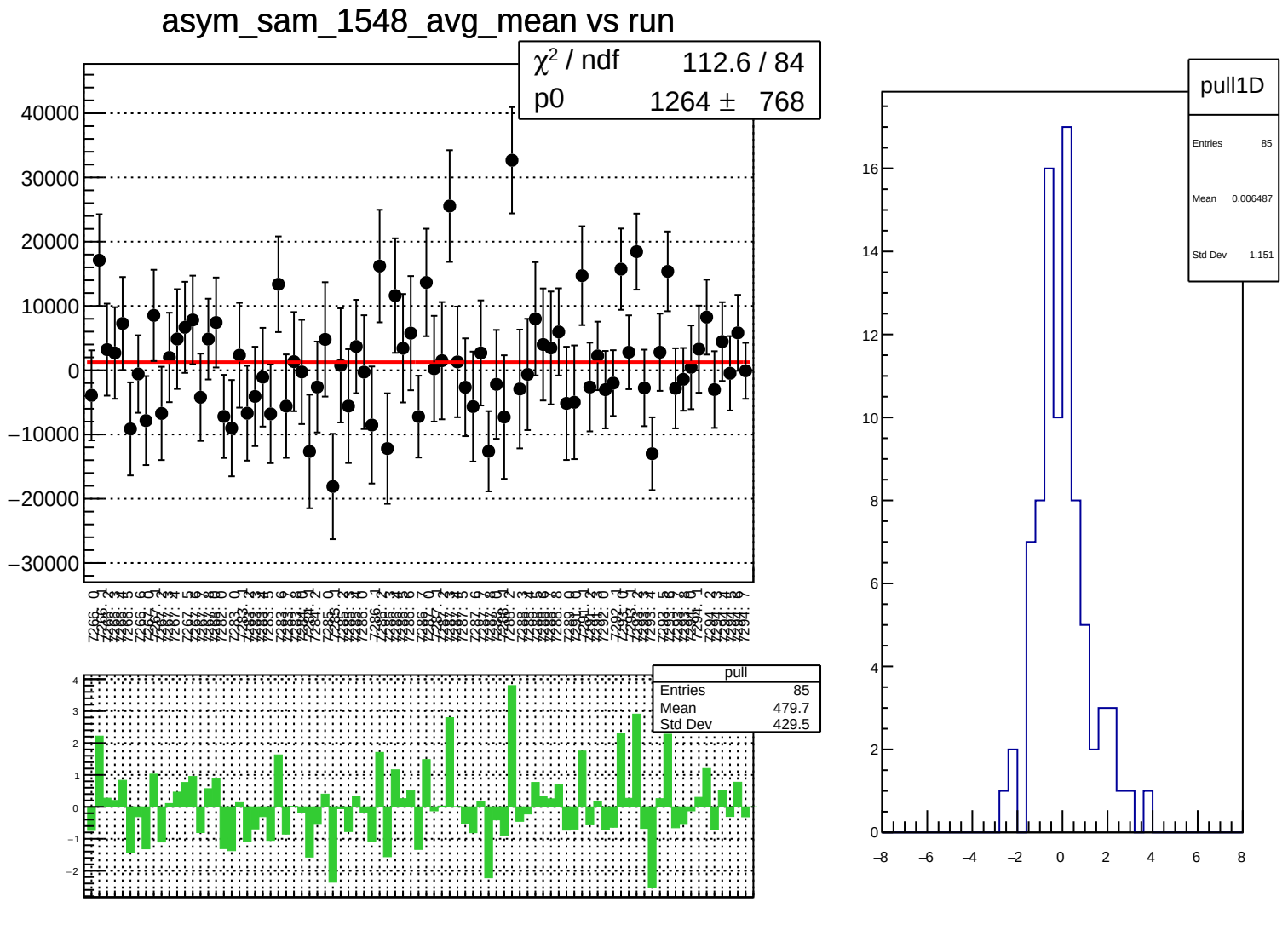
dit_asym_sam_1548_avg_rms vs run

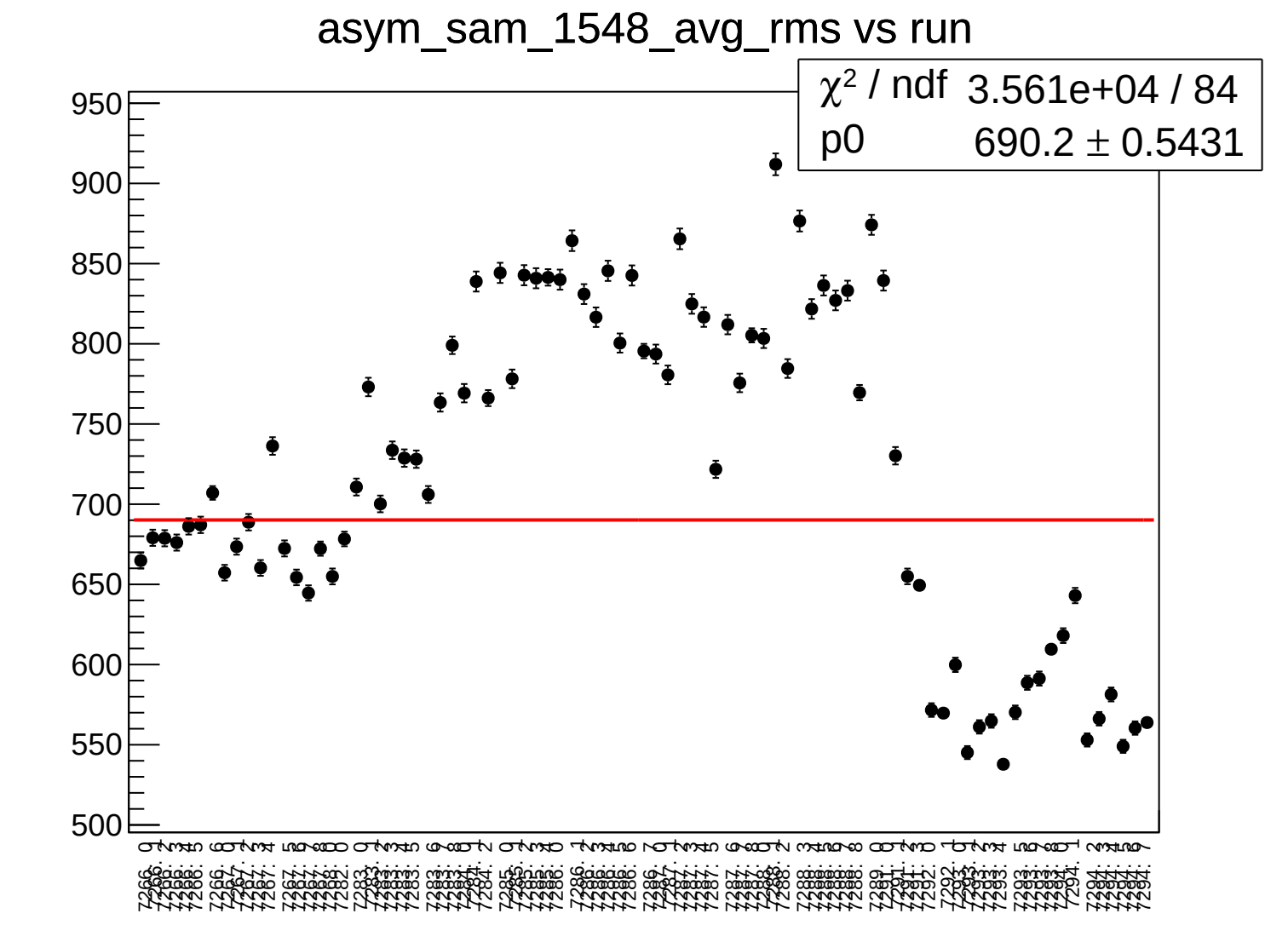


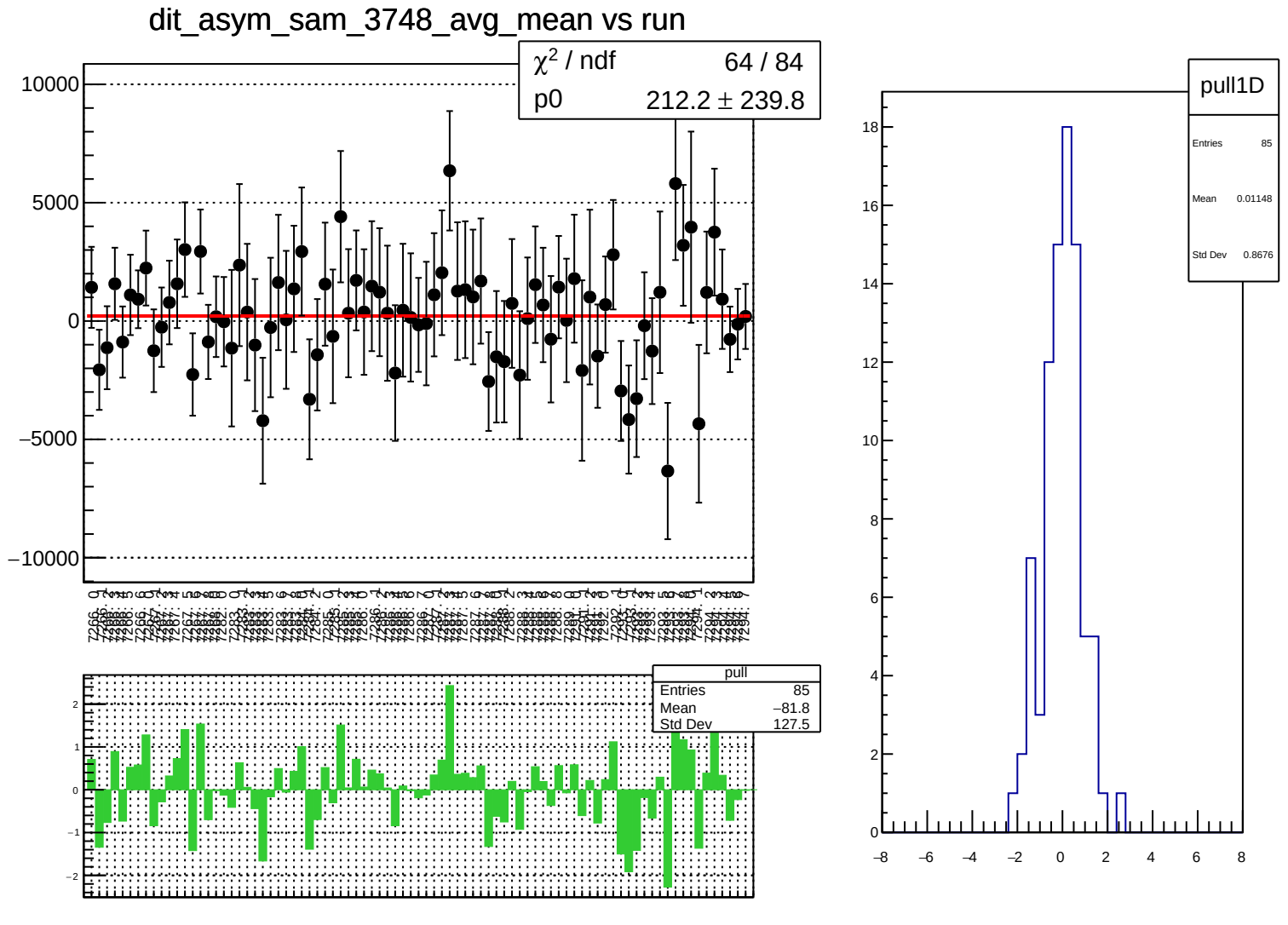

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 116.4 / 84
p0 −1001 ± 809.4
pull
Entries 85
Mean 317.2
Std Dev 266.6
pull1D
Entries 85
Mean −0.01095
Std Dev 1.17

asym_sam_1548_avg_correction_rms vs run

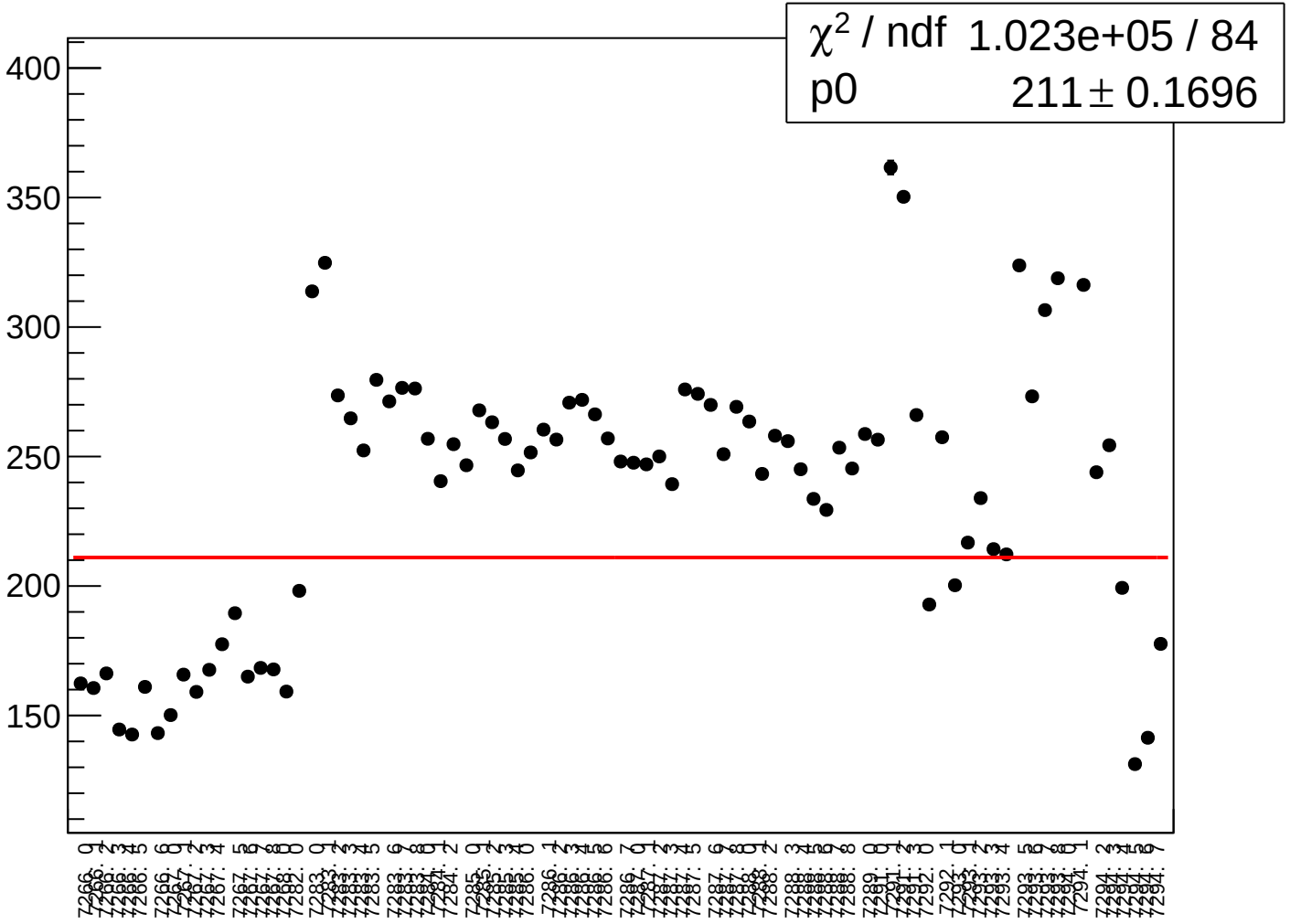


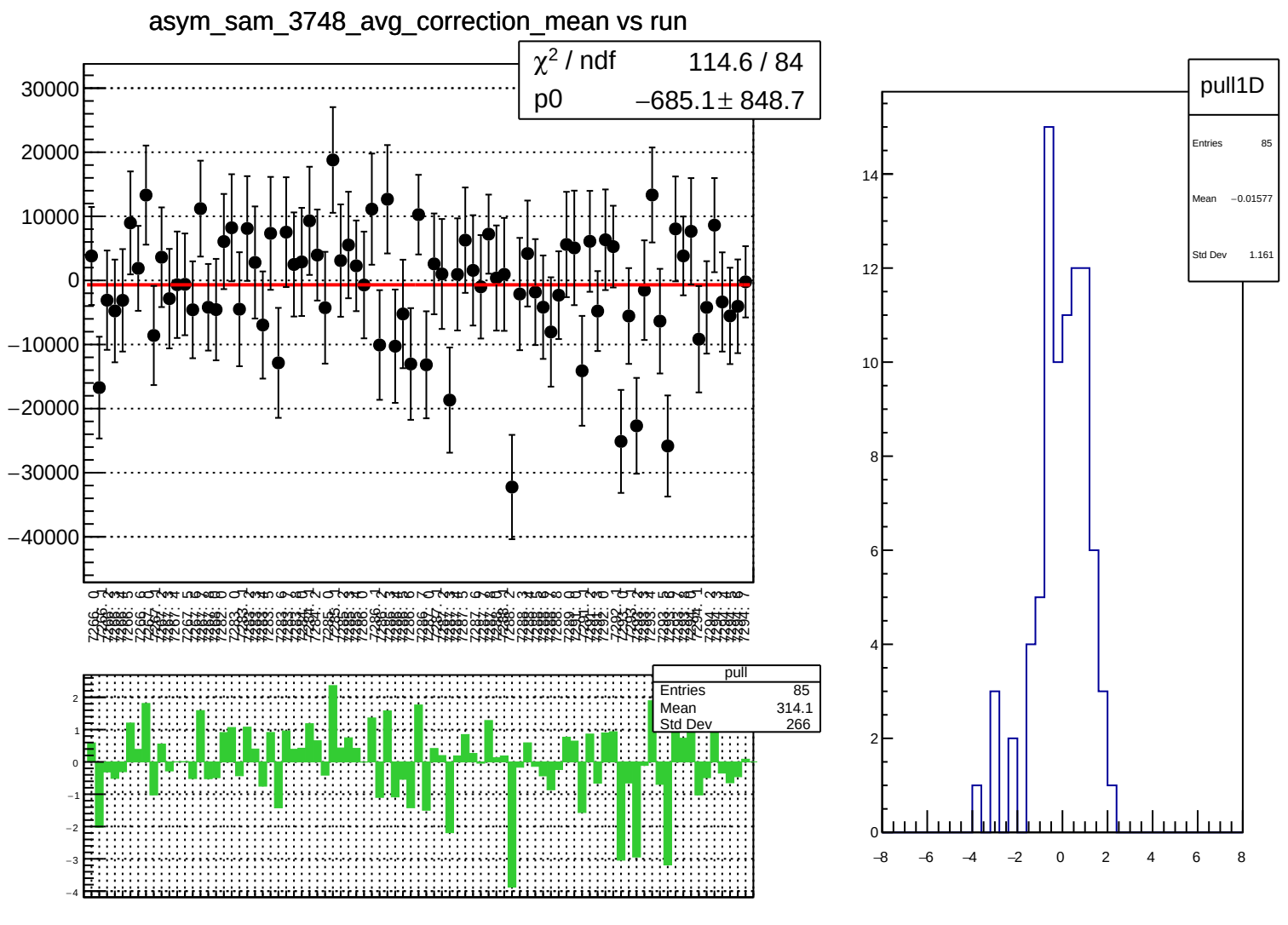

asym_sam_1548_avg_mean vs run
χ² / ndf 112.6 / 84
p0 1264 ± 768
pull
Entries 85
Mean 479.7
Std Dev 429.5
pull1D
Entries 85
Mean 0.006487
Std Dev 1.151


asym_sam_1548_avg_rms vs run
χ² / ndf 3.561e+04 / 84
p0 690.2 ± 0.5431
950
900
850
800
750
700
650
600
550
500

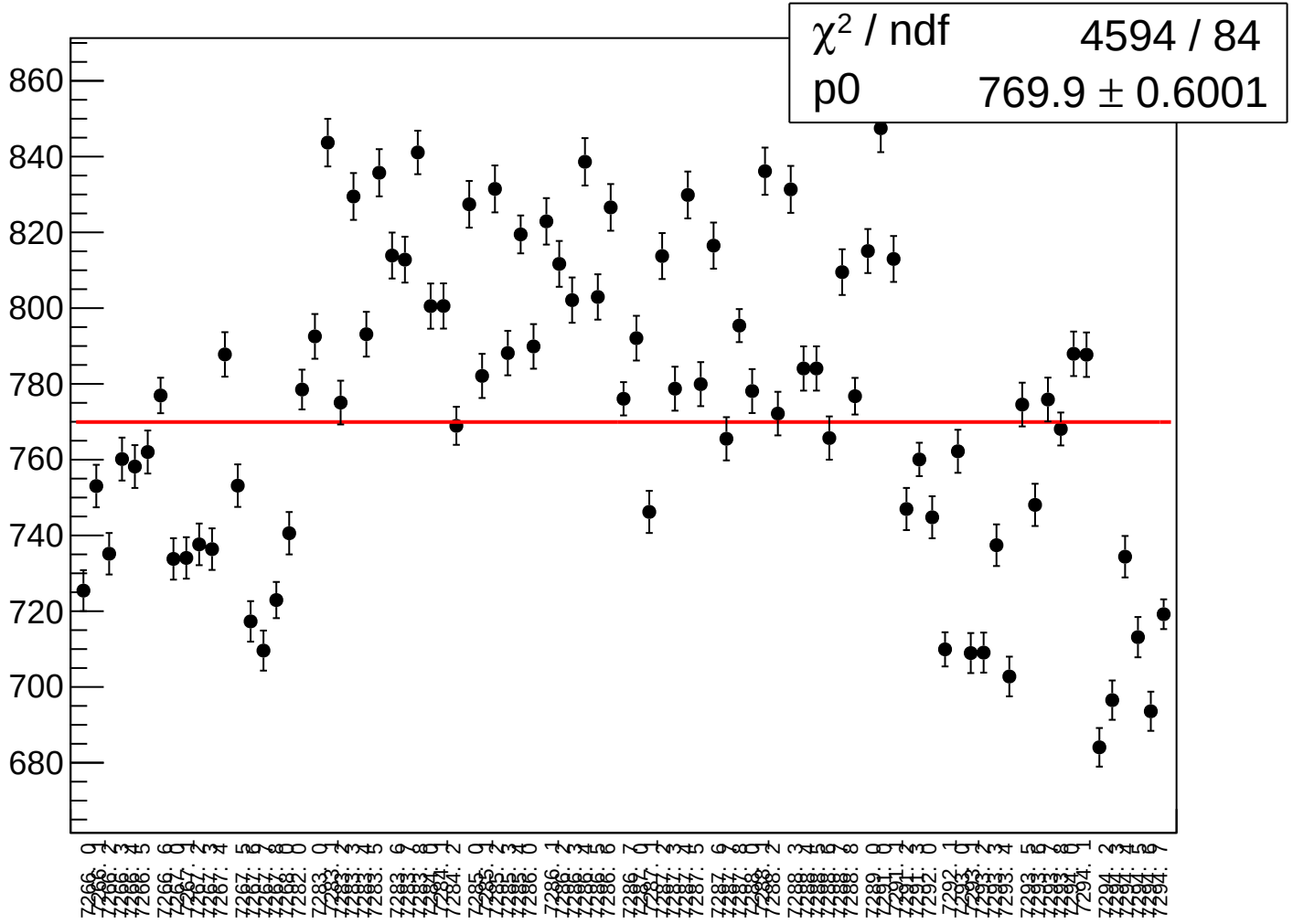

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 64 / 84
p0 212.2 ± 239.8
10000
5000
0
−5000
−10000
pull
Entries 85
Mean −81.8
Std Dev 127.5
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.01148
Std Dev 0.8676
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

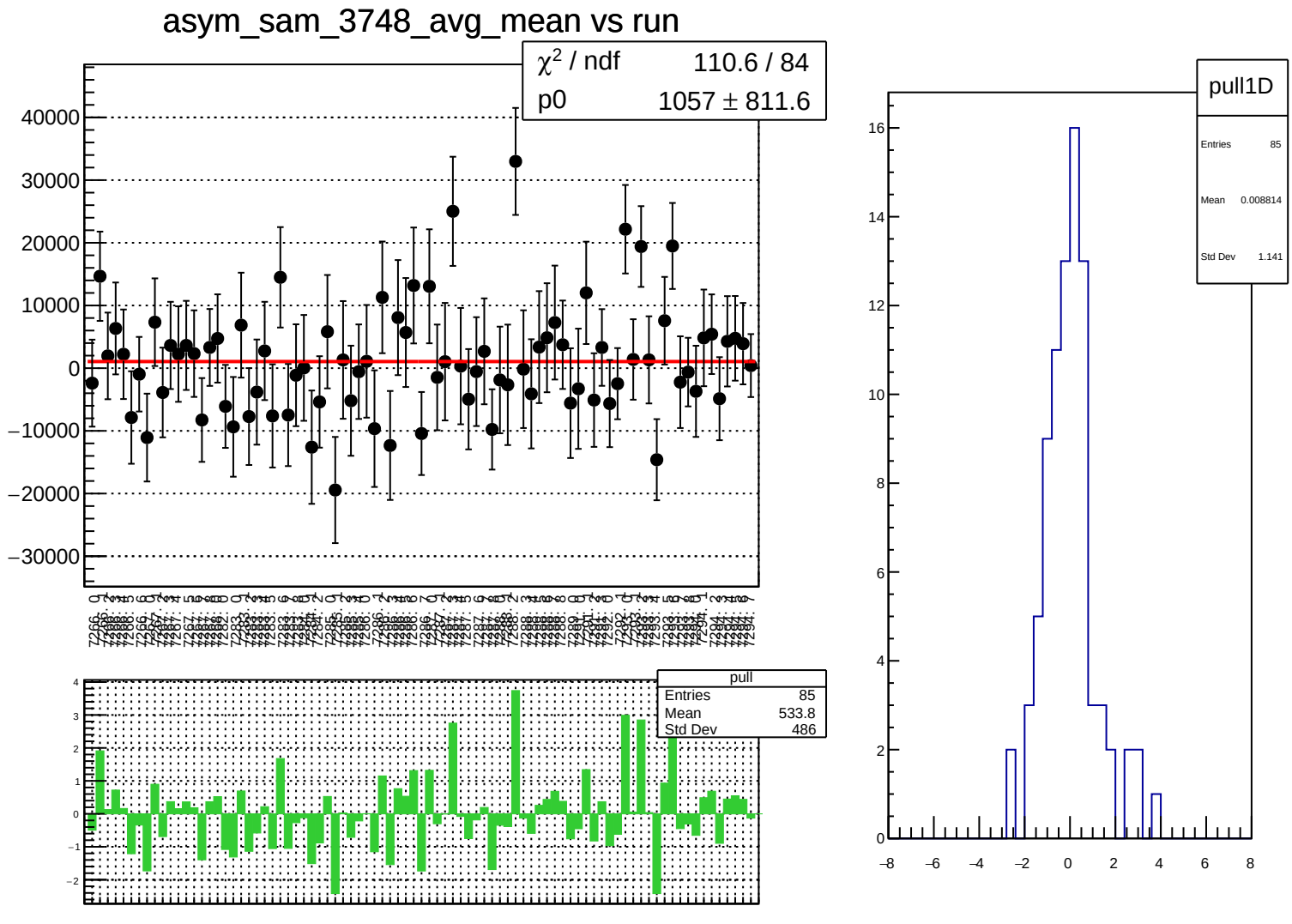
dit_asym_sam_3748_avg_rms vs run

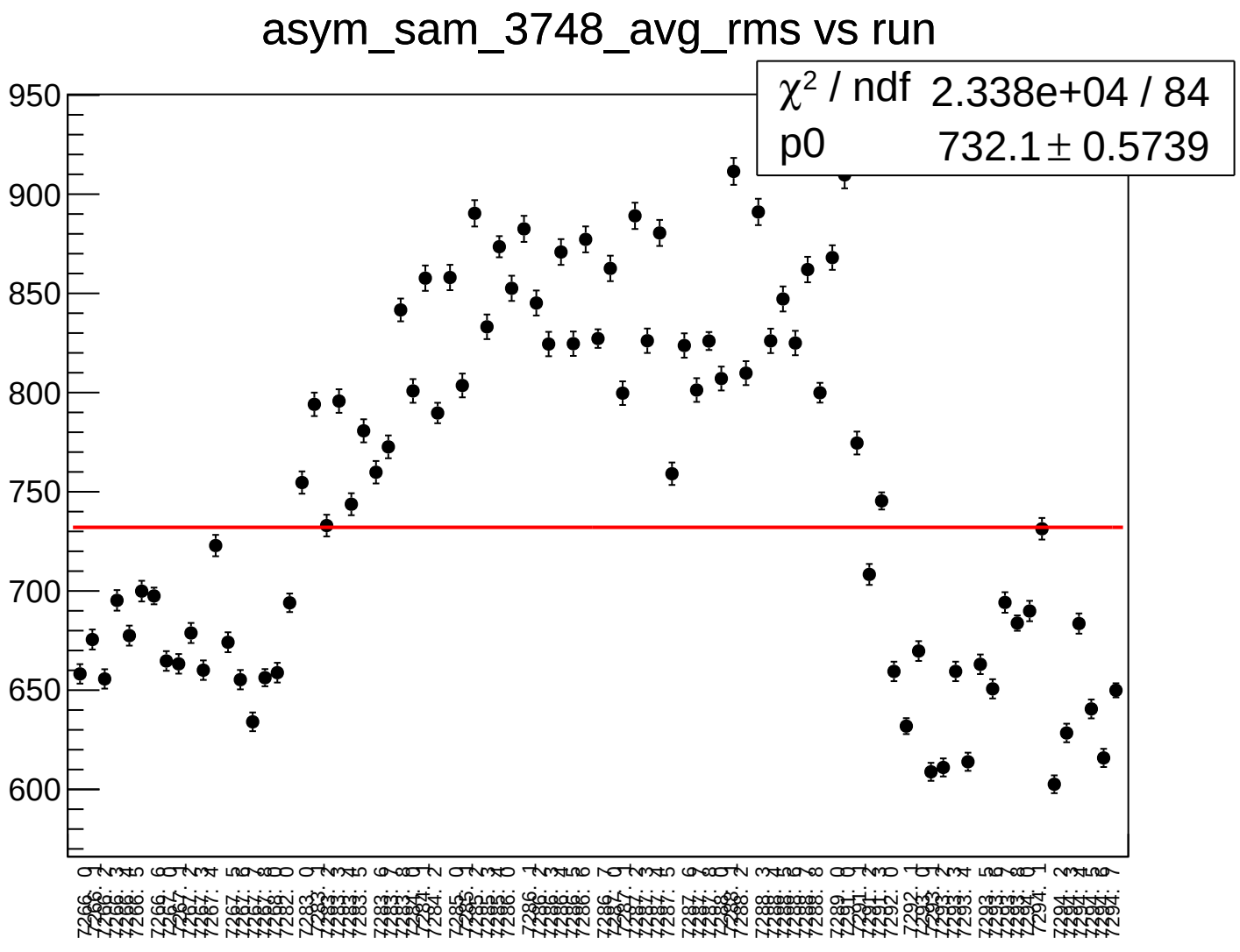


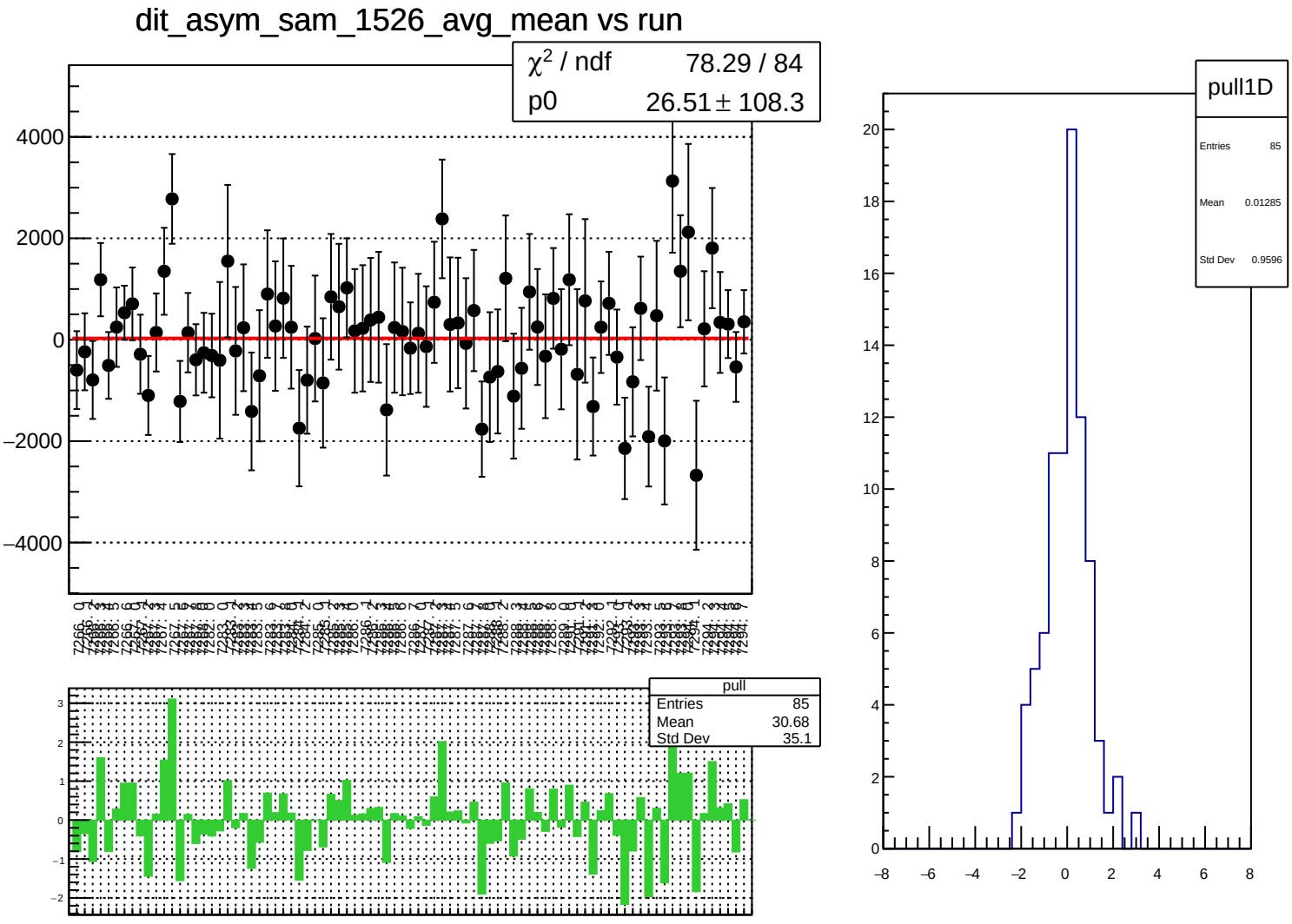

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 114.6 / 84
p0 −685.1 ± 848.7
pull
Entries 85
Mean 314.1
Std Dev 266
pull1D
Entries 85
Mean −0.01577
Std Dev 1.161

asym_sam_3748_avg_correction_rms vs run

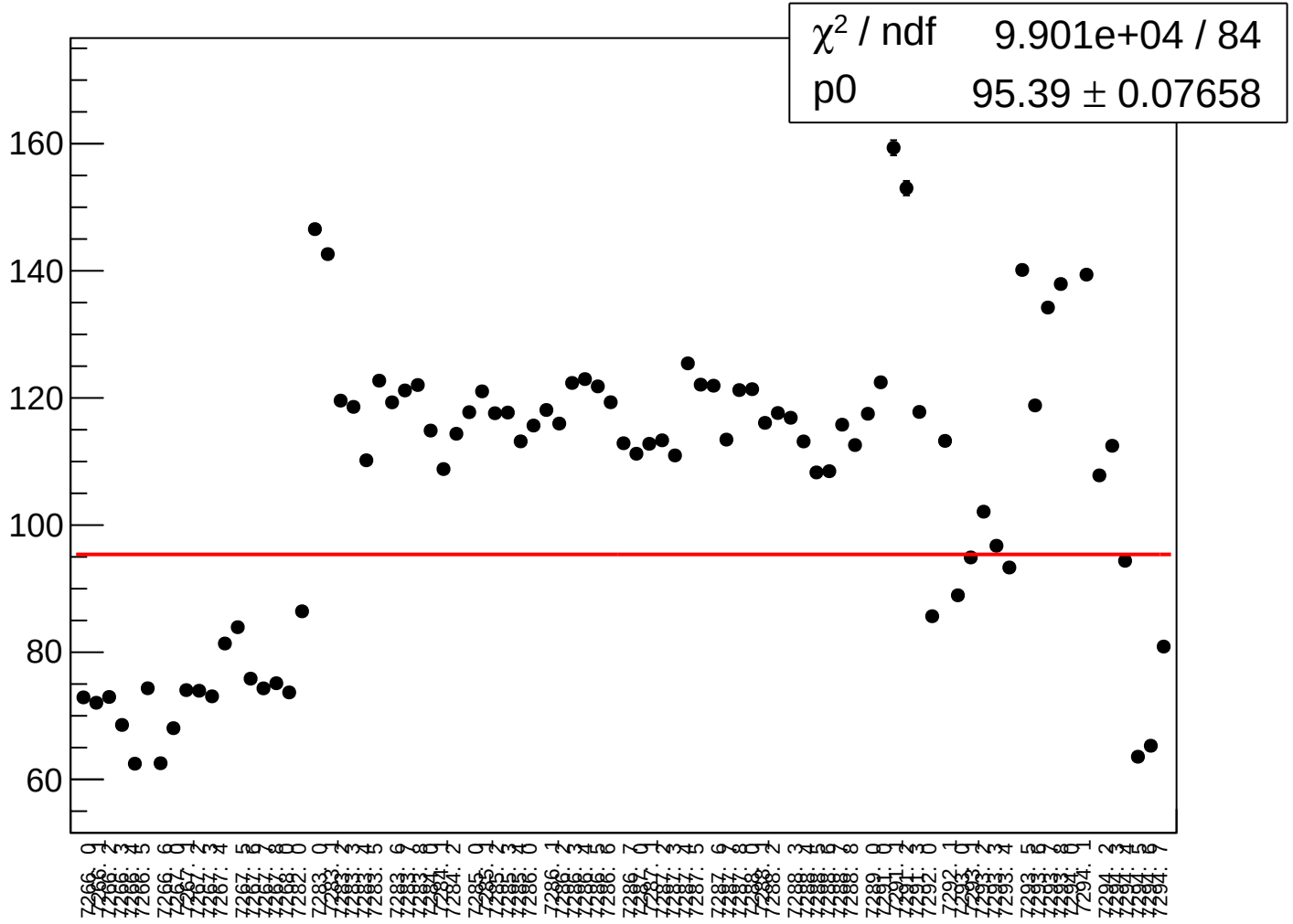


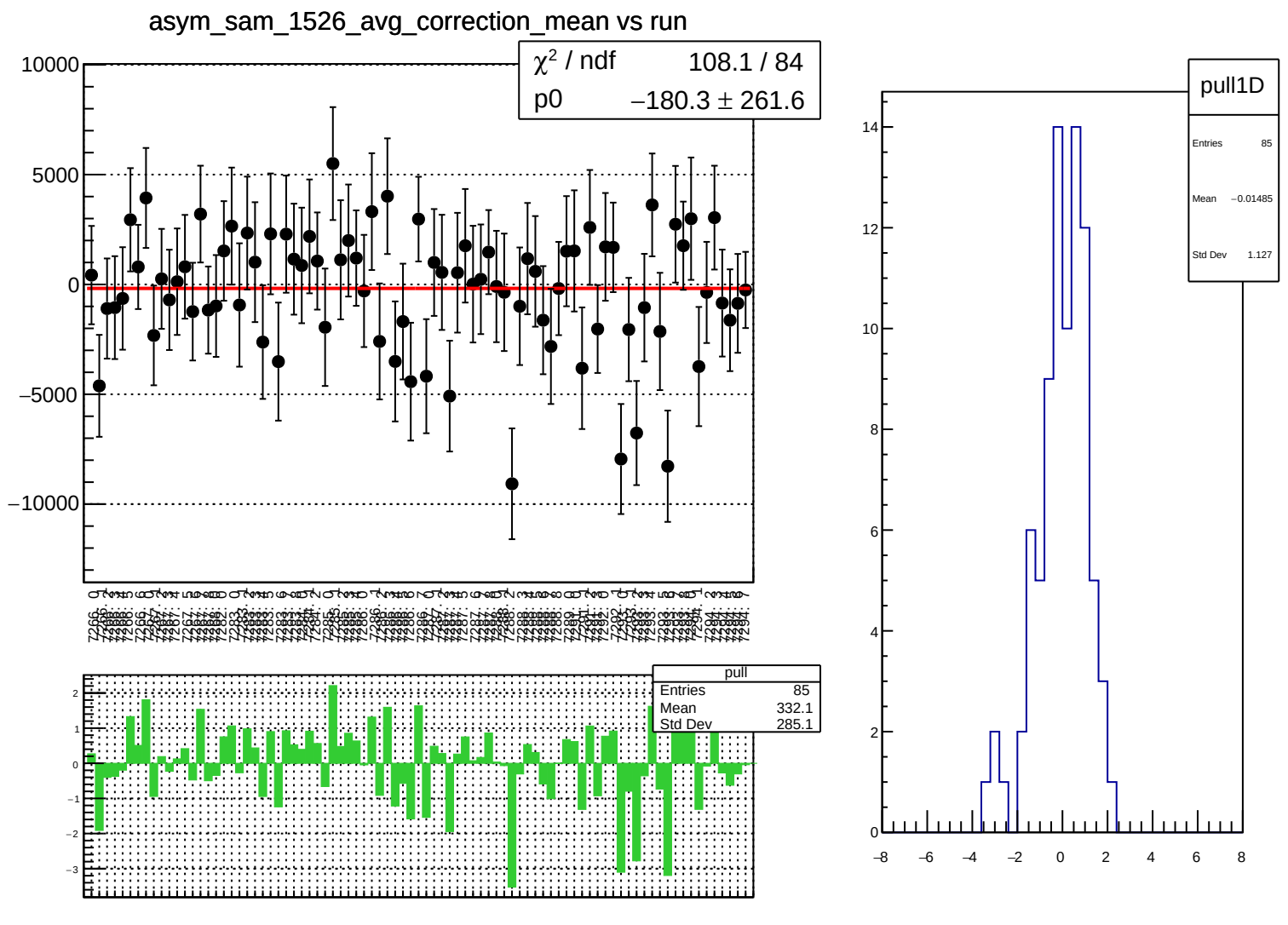

asym_sam_3748_avg_mean vs run
χ^2 / ndf 110.6 / 84
p0 1057 ± 811.6
pull
Entries 85
Mean 533.8
Std Dev 486
pull1D
Entries 85
Mean 0.008814
Std Dev 1.141


asym_sam_3748_avg_rms vs run
χ² / ndf 2.338e+04 / 84
p0 732.1 ± 0.5739
950
900
850
800
750
700
650
600

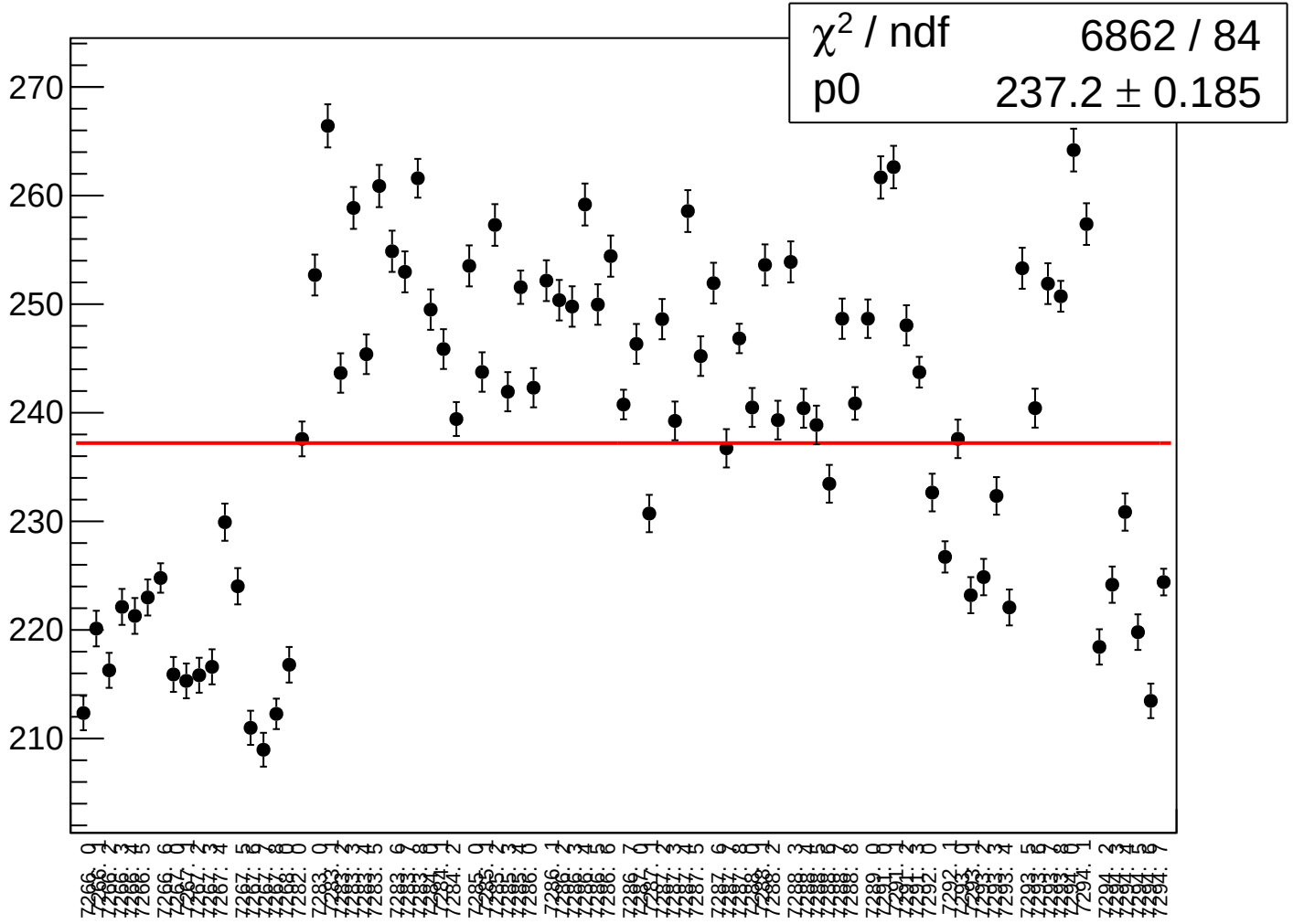

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 78.29 / 84
p0 26.51 ± 108.3
pull
Entries 85
Mean 30.68
Std Dev 35.1
pull1D
Entries 85
Mean 0.01285
Std Dev 0.9596

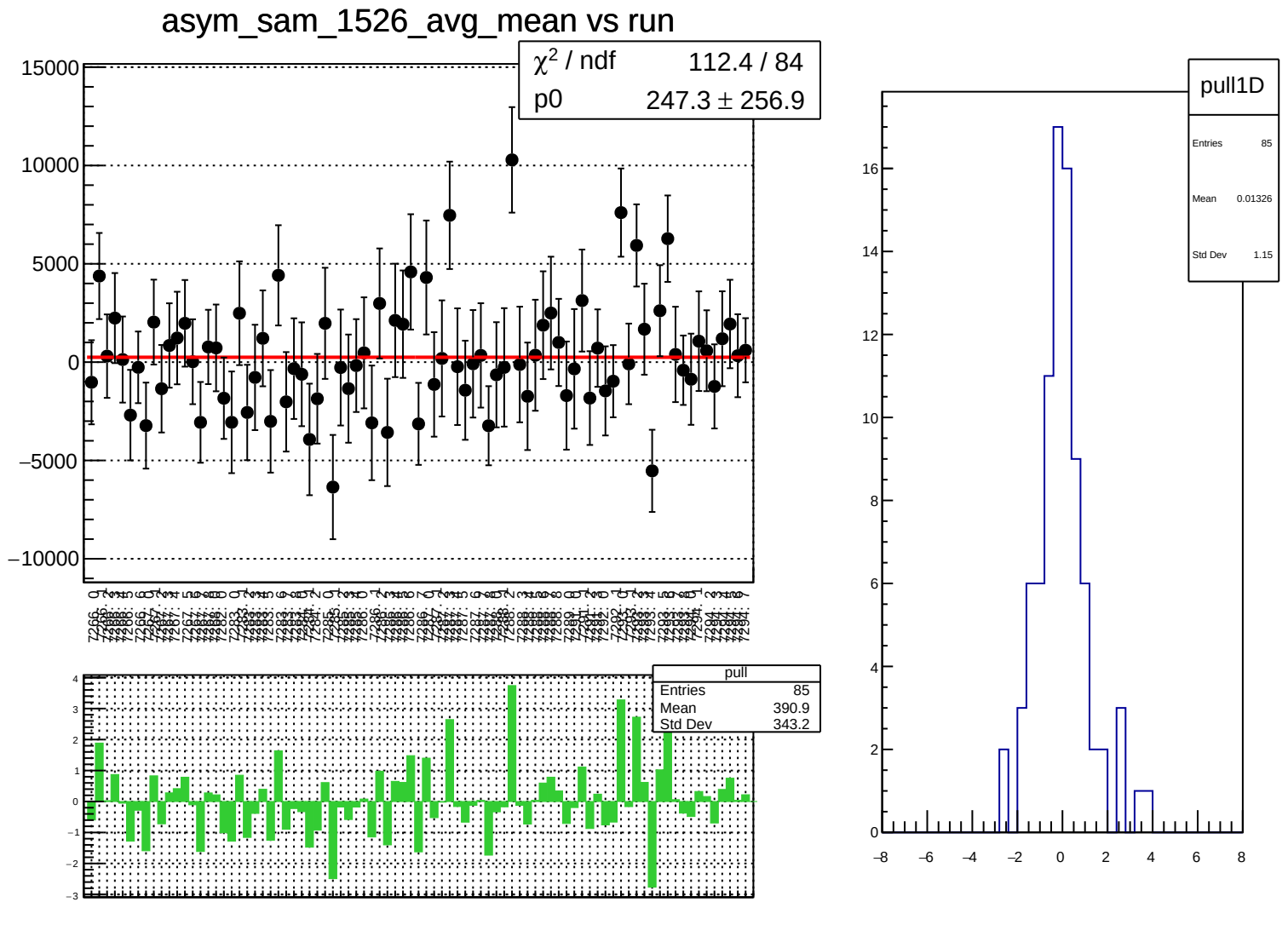
dit_asym_sam_1526_avg_rms vs run



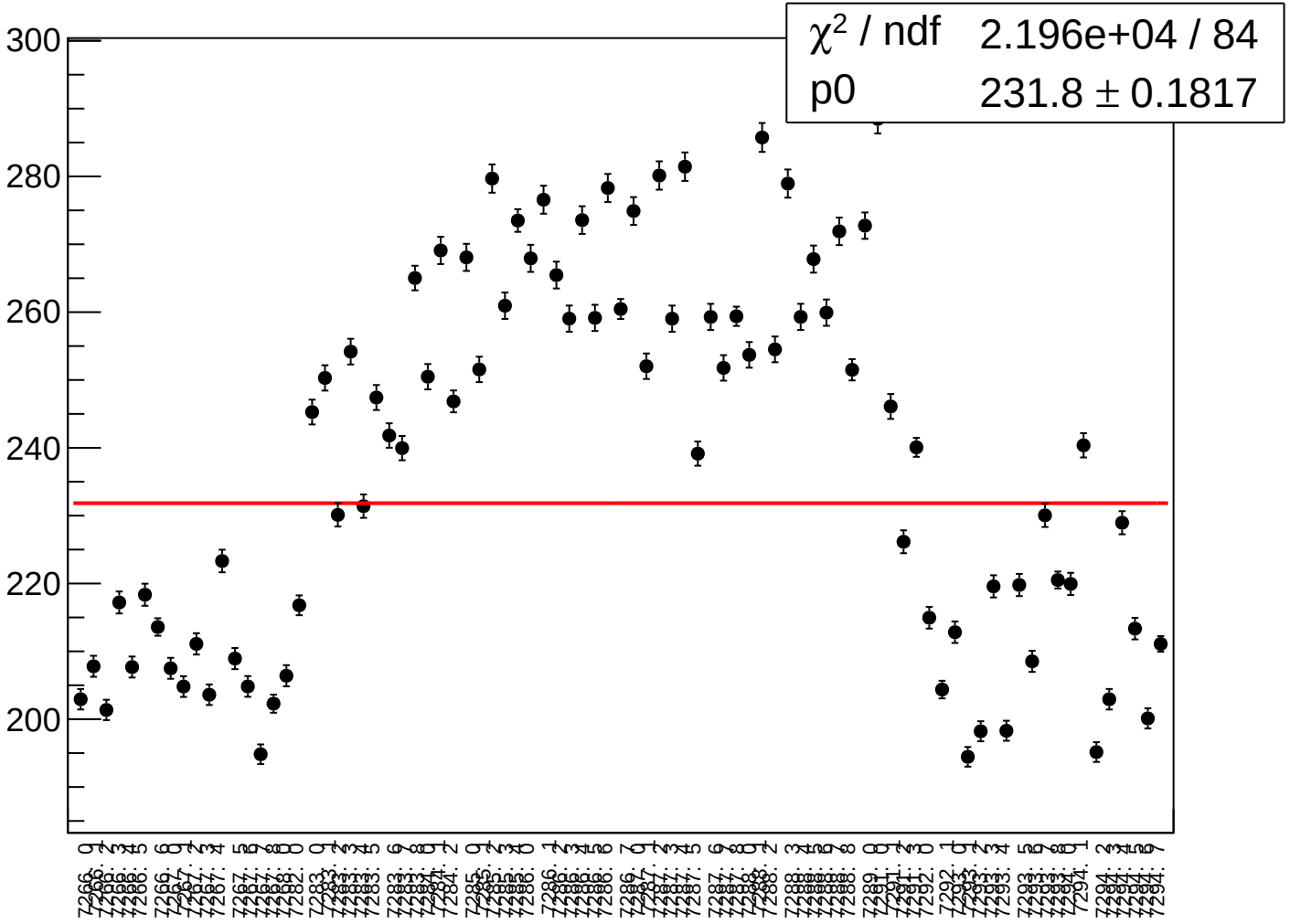

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 108.1 / 84
p0 −180.3 ± 261.6
pull
Entries 85
Mean 332.1
Std Dev 285.1
pull1D
Entries 85
Mean −0.01485
Std Dev 1.127

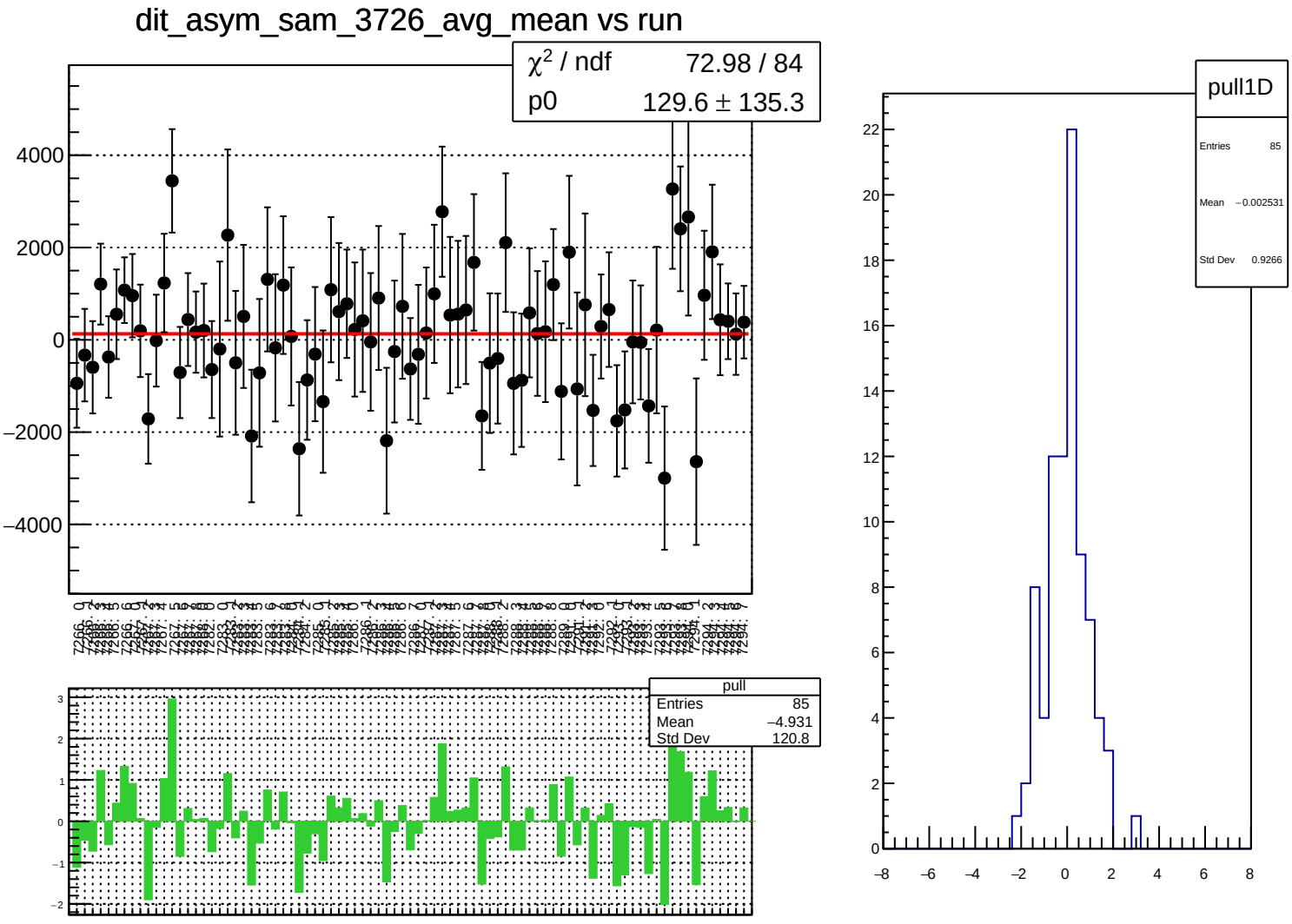
asym_sam_1526_avg_correction_rms vs run



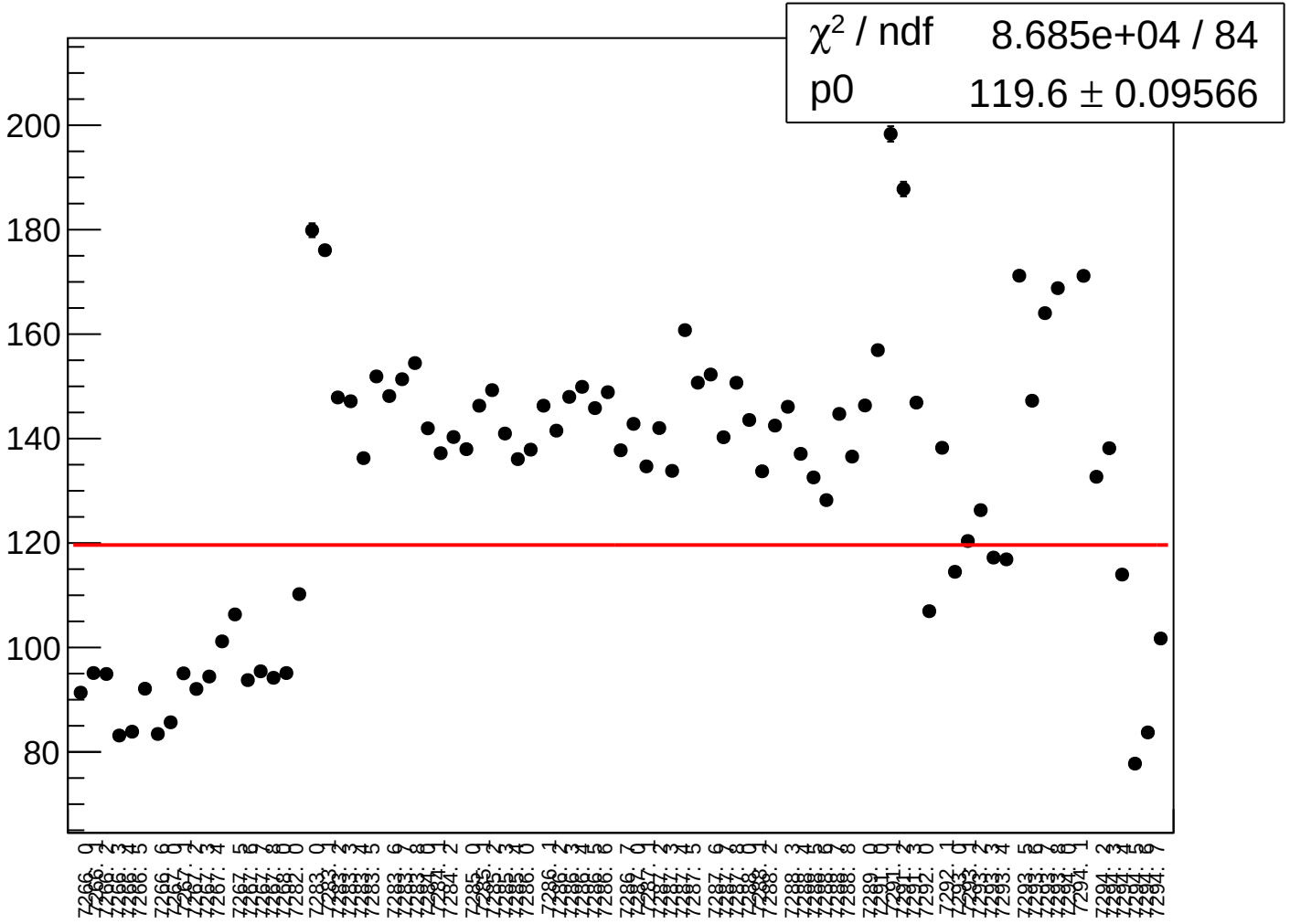

asym_sam_1526_avg_mean vs run
χ² / ndf 112.4 / 84
p0 247.3 ± 256.9
pull
Entries 85
Mean 390.9
Std Dev 343.2
pull1D
Entries 85
Mean 0.01326
Std Dev 1.15

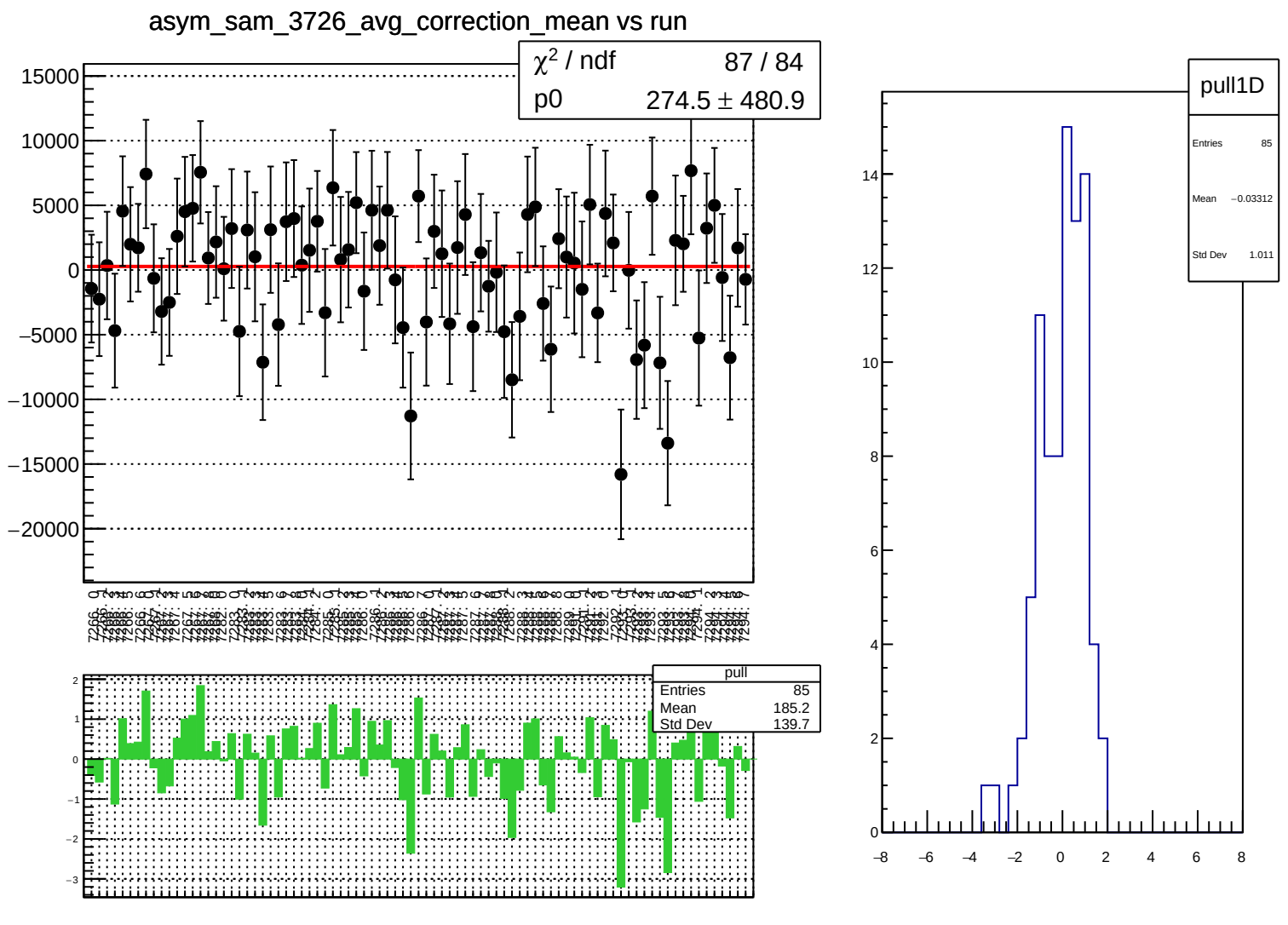
asym_sam_1526_avg_rms vs run



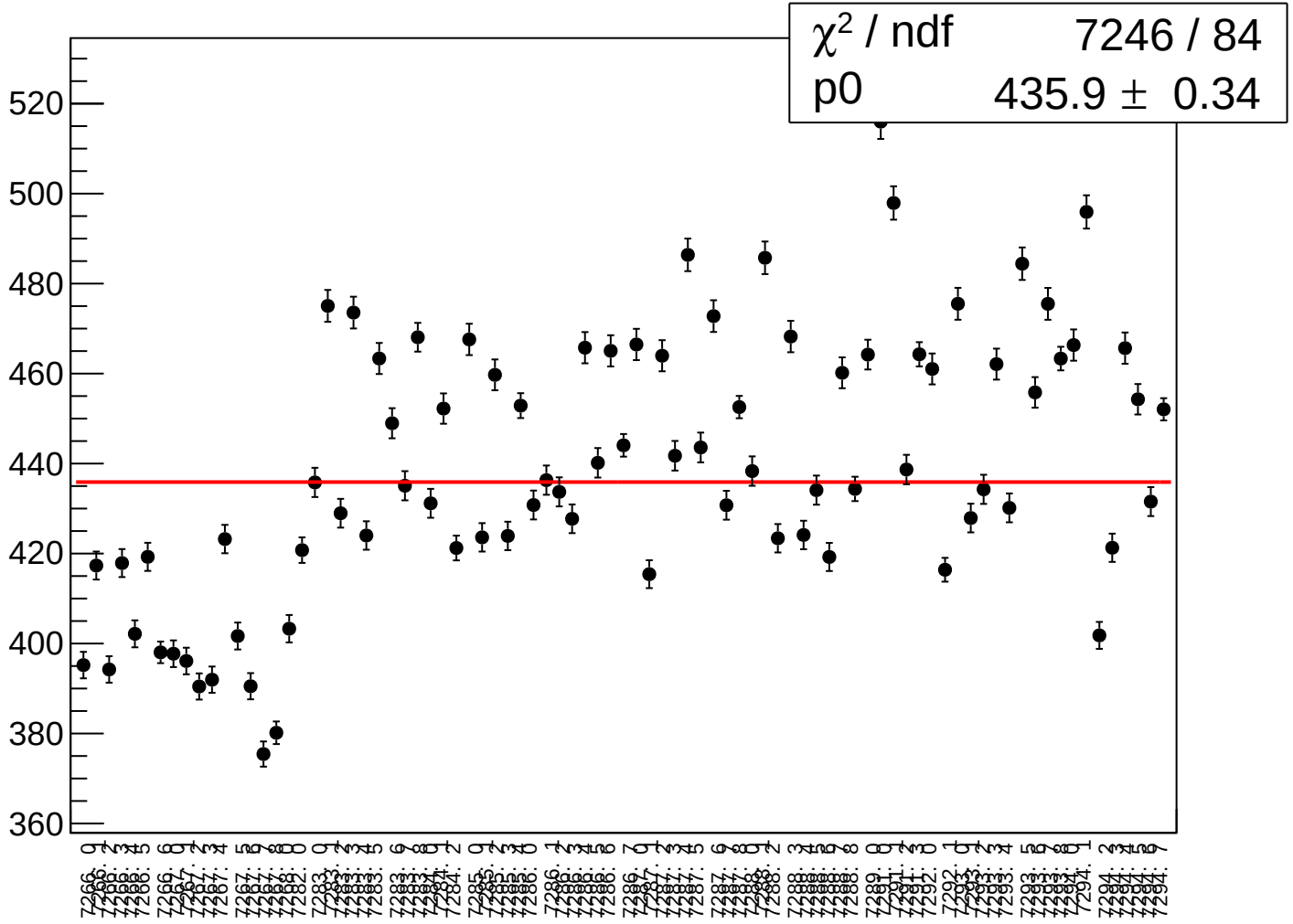

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 72.98 / 84
p0 129.6 ± 135.3
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −4.931
Std Dev 120.8
pull1D
Entries 85
Mean −0.002531
Std Dev 0.9266

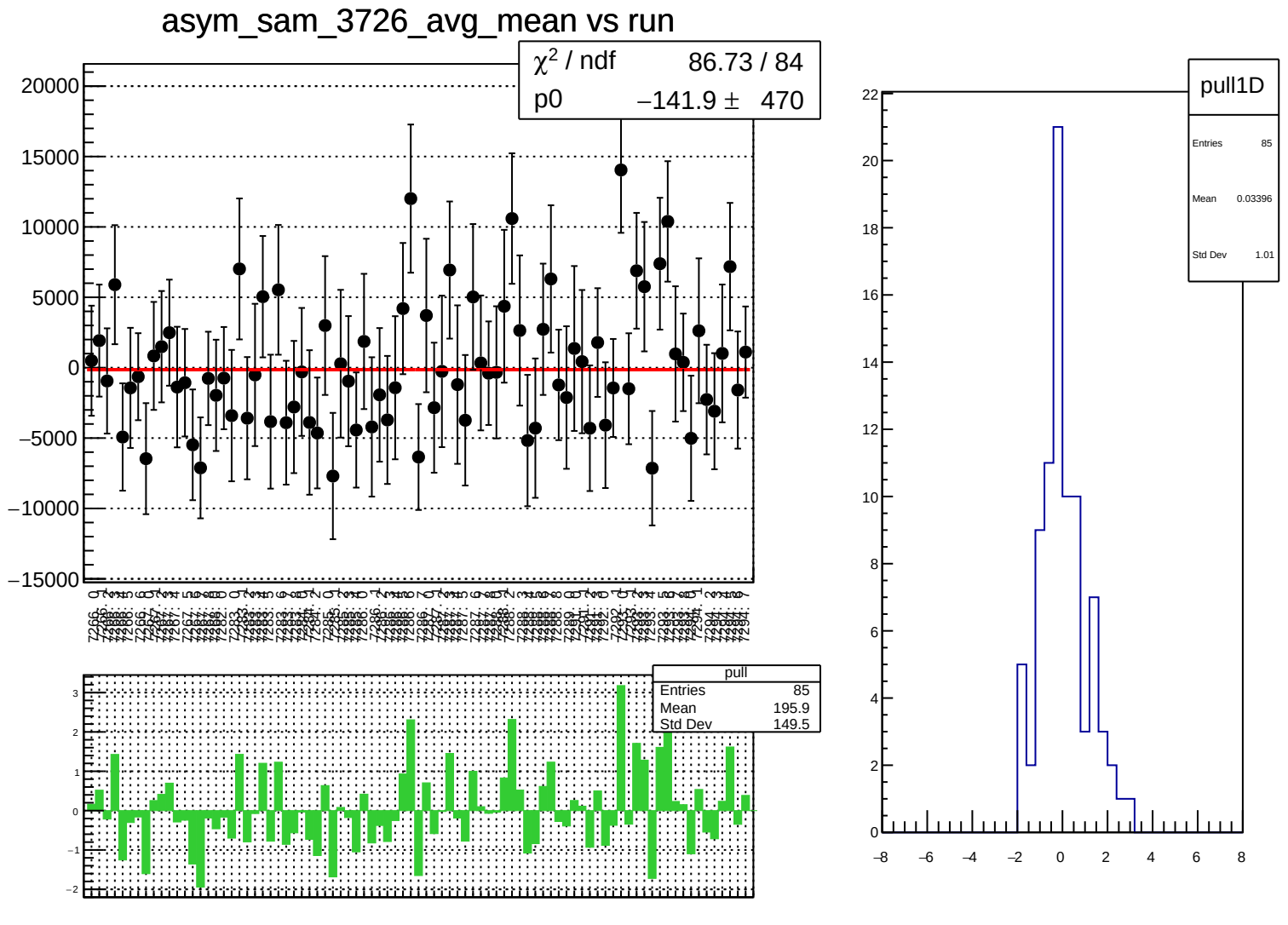
dit_asym_sam_3726_avg_rms vs run

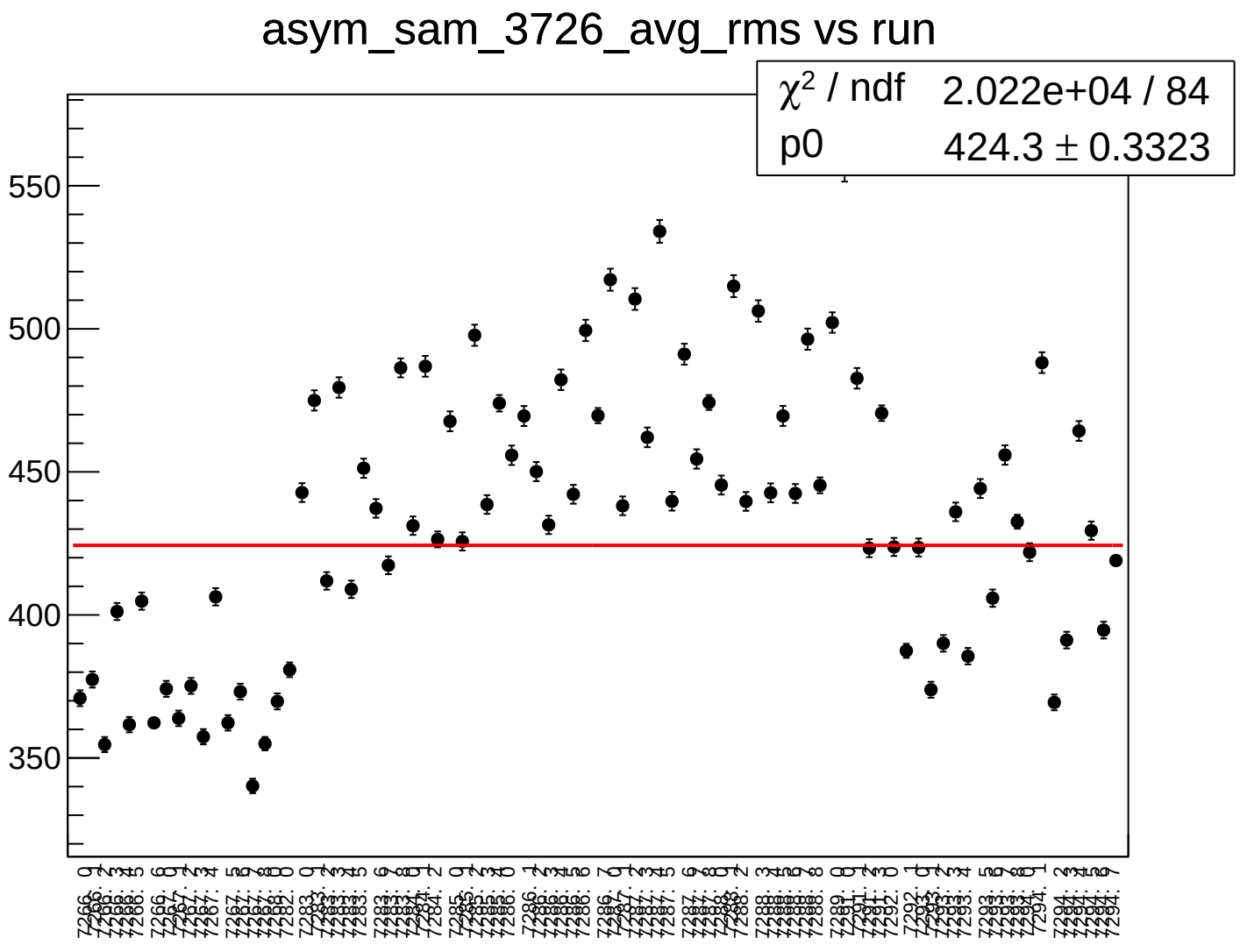


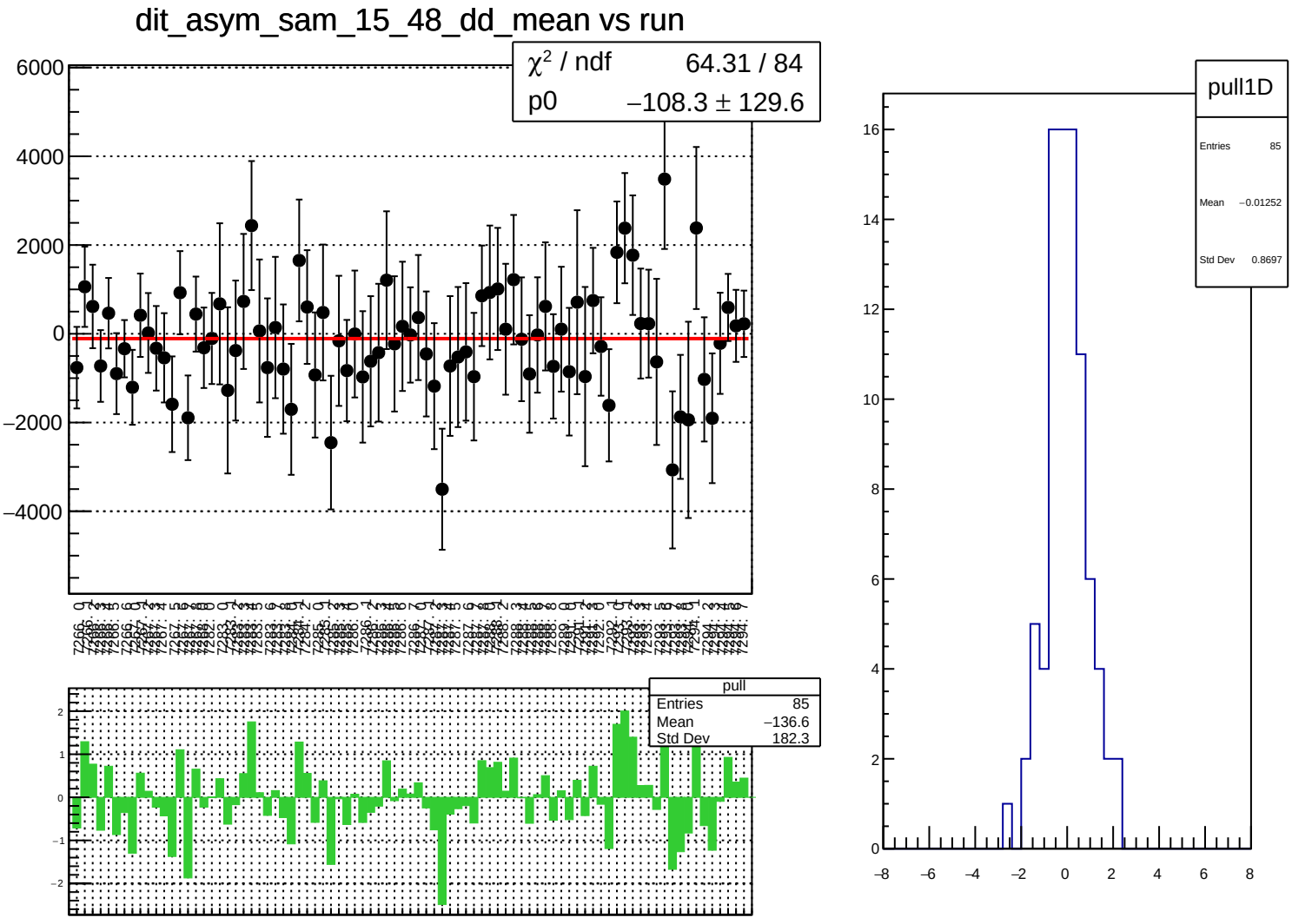

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 87 / 84
p0 274.5 ± 480.9
pull
Entries 85
Mean 185.2
Std Dev 139.7
pull1D
Entries 85
Mean −0.03312
Std Dev 1.011

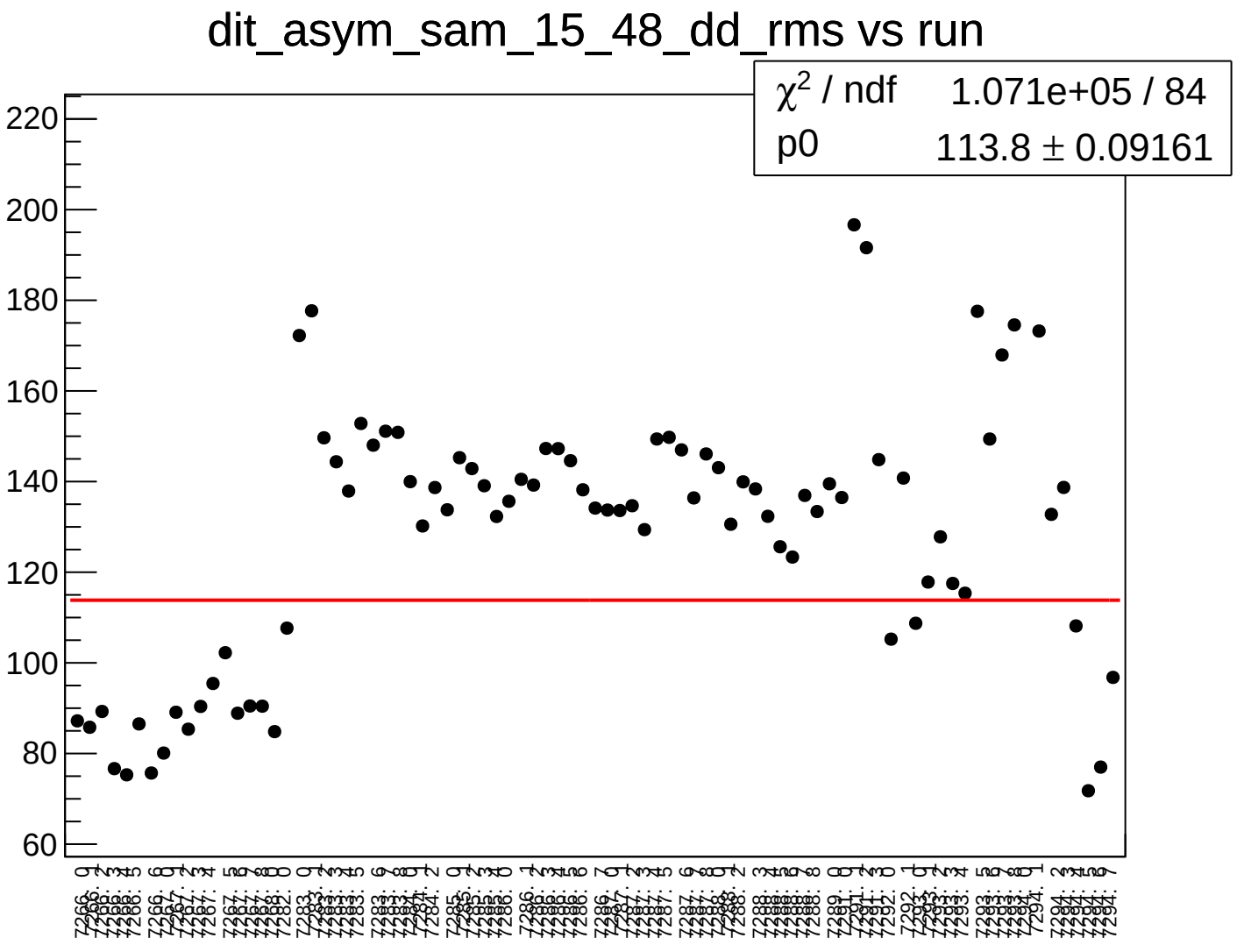
asym_sam_3726_avg_correction_rms vs run

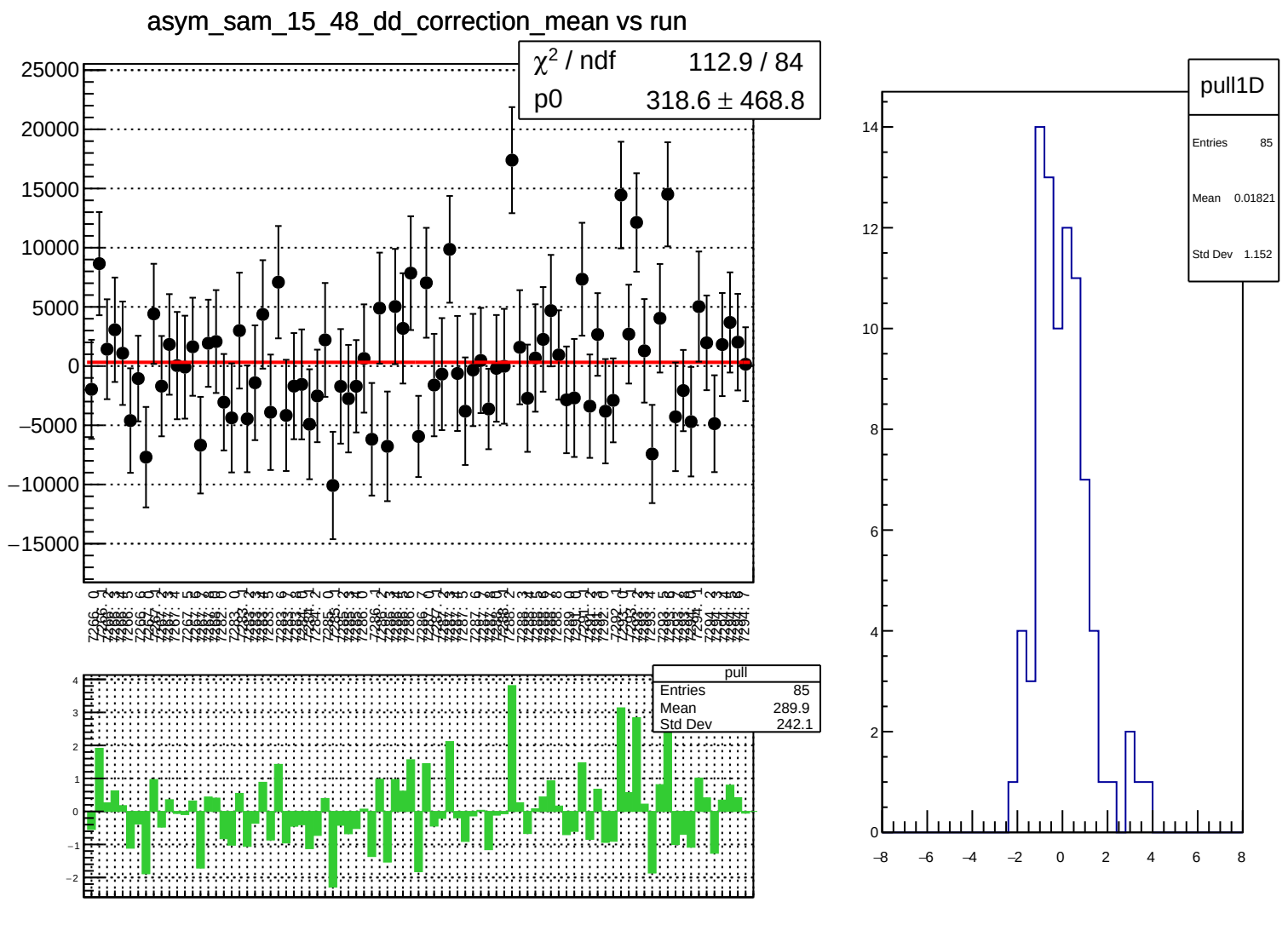


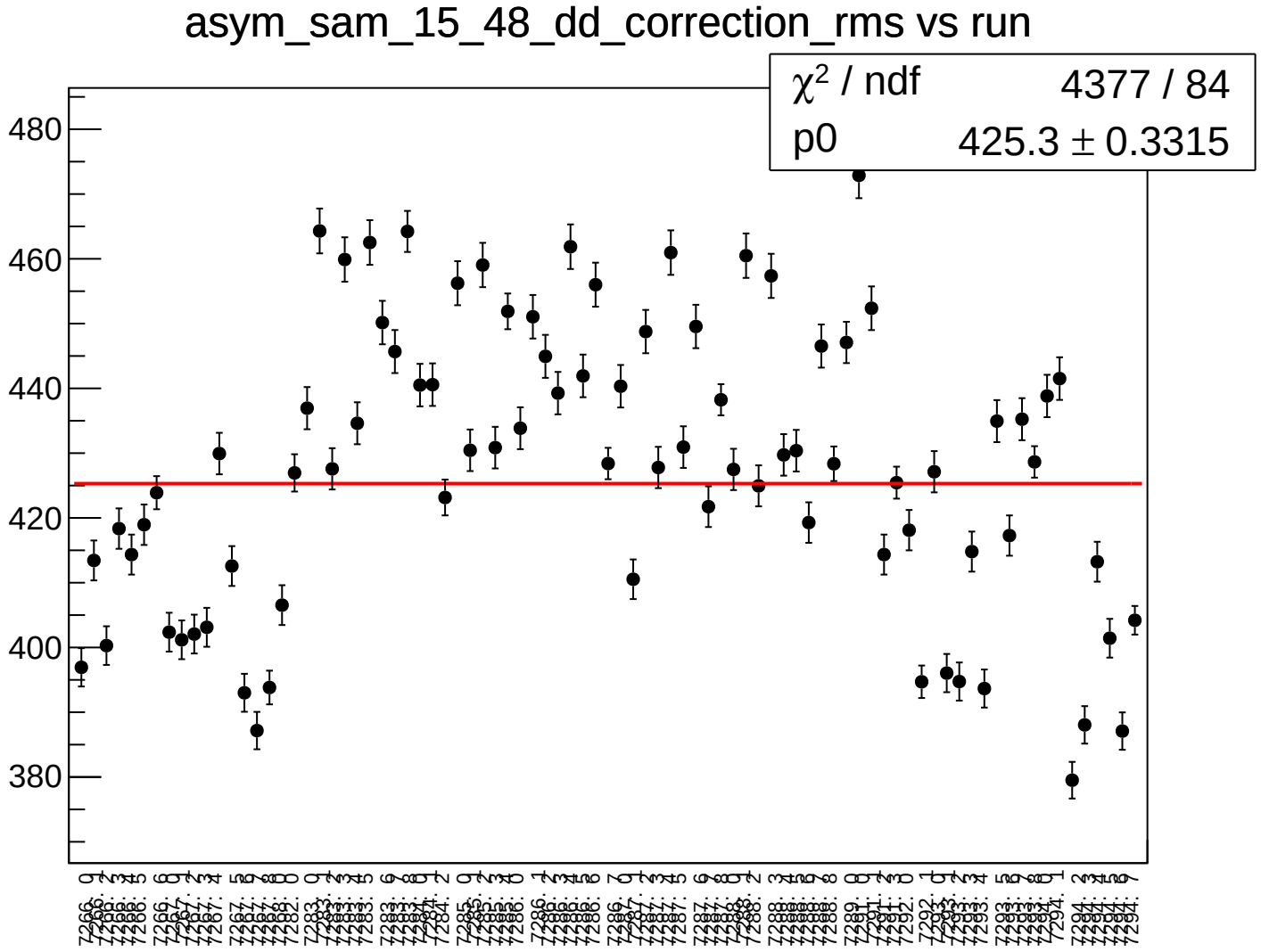

asym_sam_3726_avg_mean vs run
χ² / ndf 86.73 / 84
p0 −141.9 ± 470
pull
Entries 85
Mean 195.9
Std Dev 149.5
pull1D
Entries 85
Mean 0.03396
Std Dev 1.01

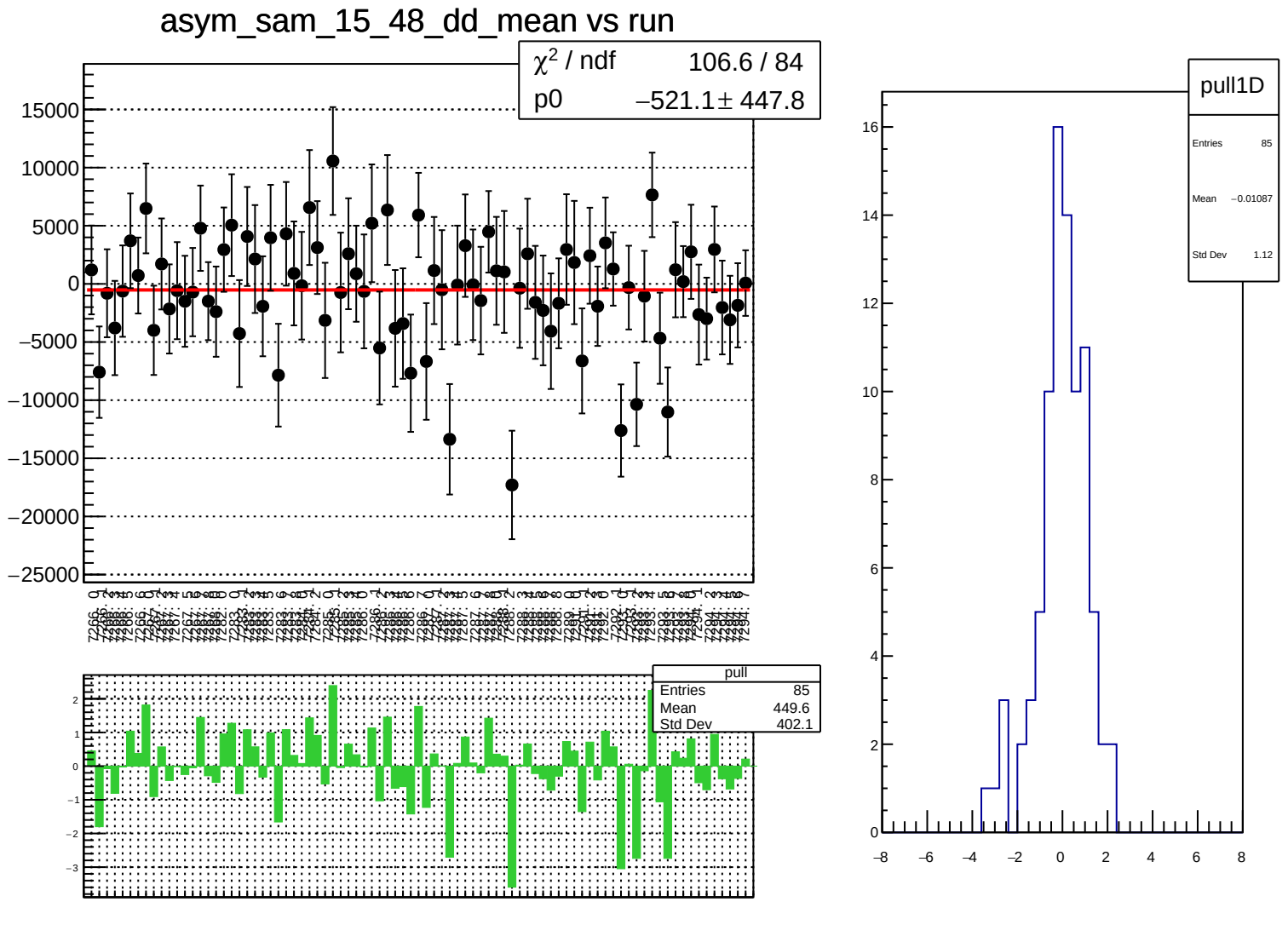

asym_sam_3726_avg_rms vs run
χ² / ndf 2.022e+04 / 84
p0 424.3 ± 0.3323
550
500
450
400
350

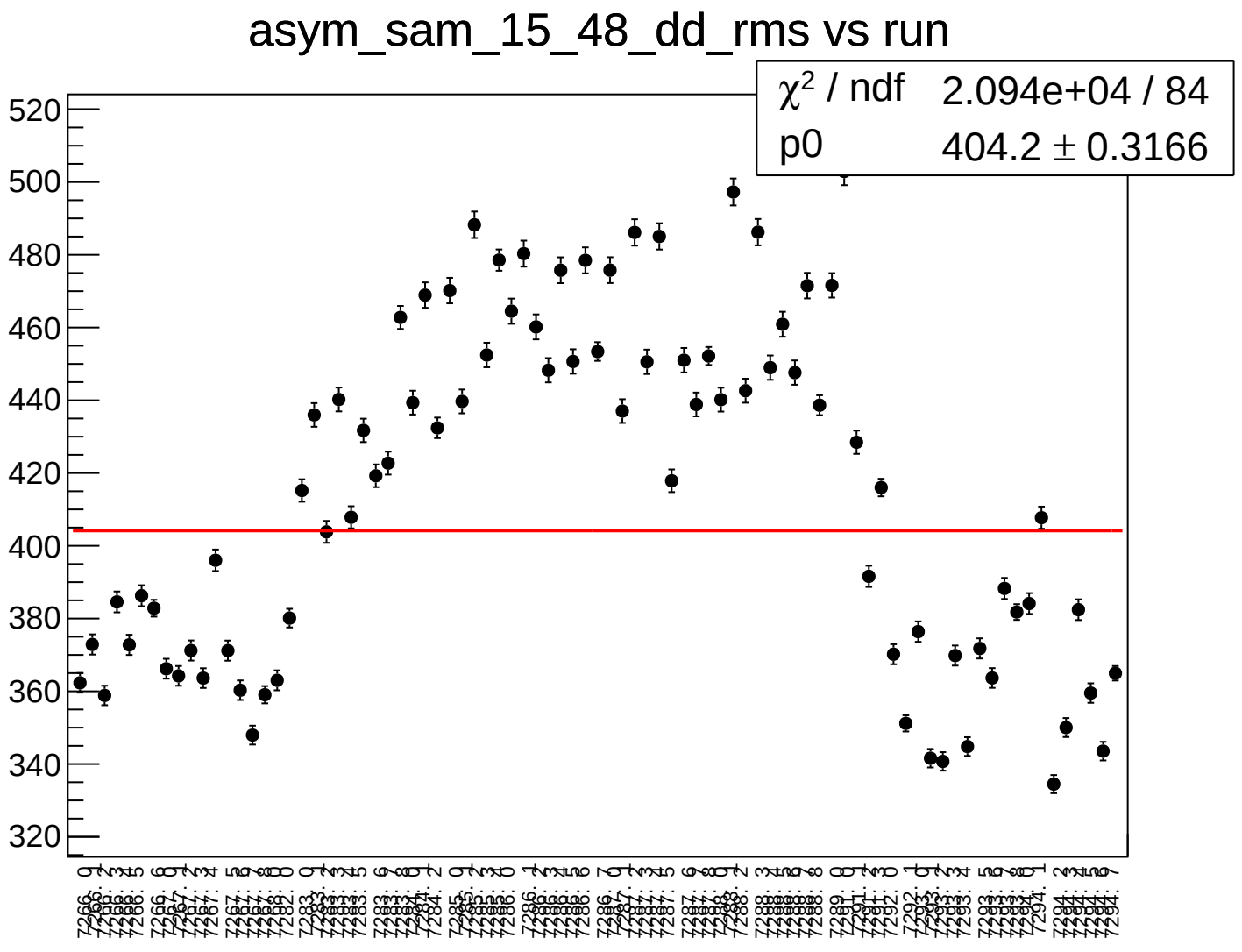

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 64.31 / 84
p0 −108.3 ± 129.6
pull
Entries 85
Mean −136.6
Std Dev 182.3
pull1D
Entries 85
Mean −0.01252
Std Dev 0.8697

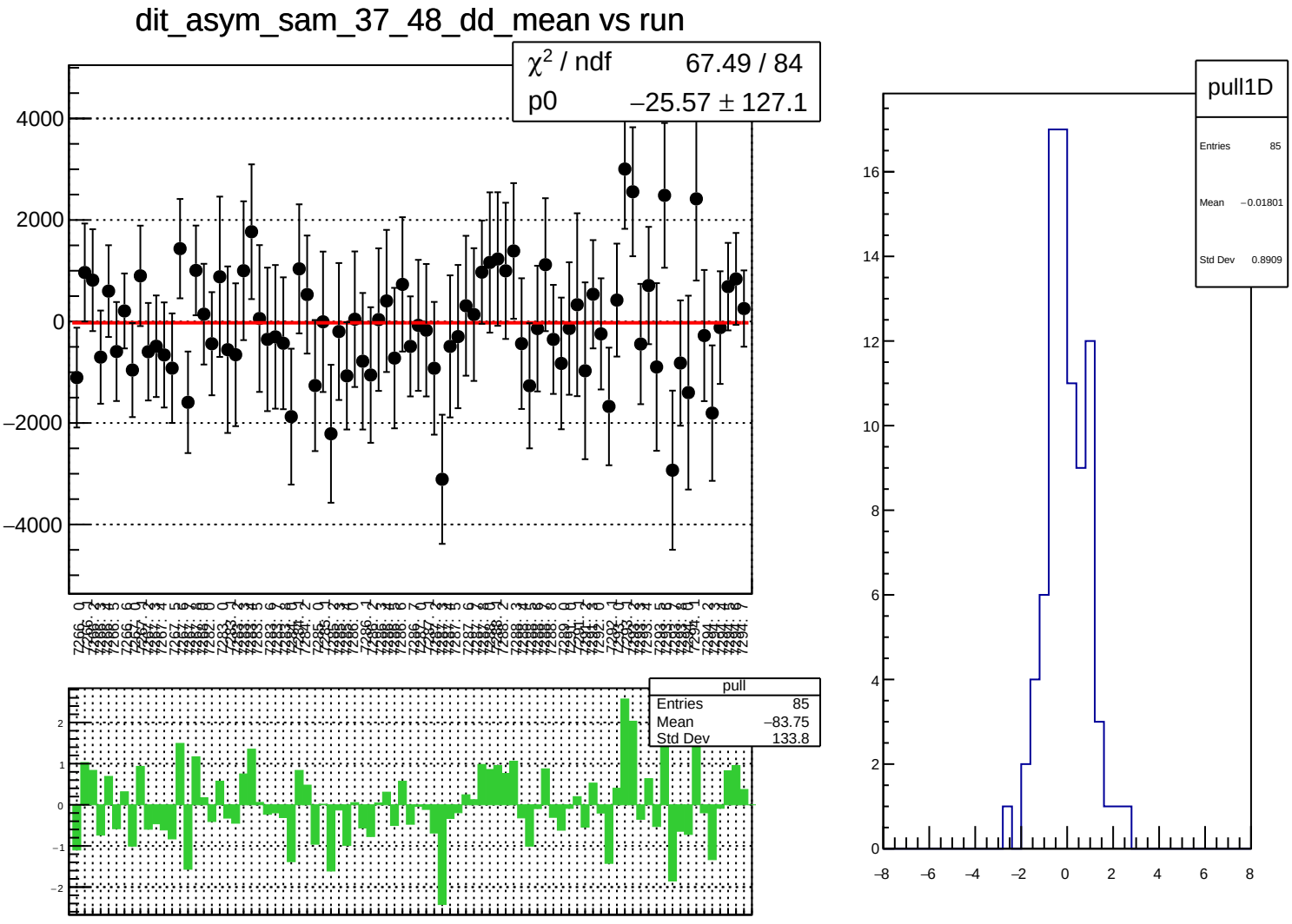

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 1.071e+05 / 84
p0 113.8 ± 0.09161
220
200
180
160
140
120
100
80
60

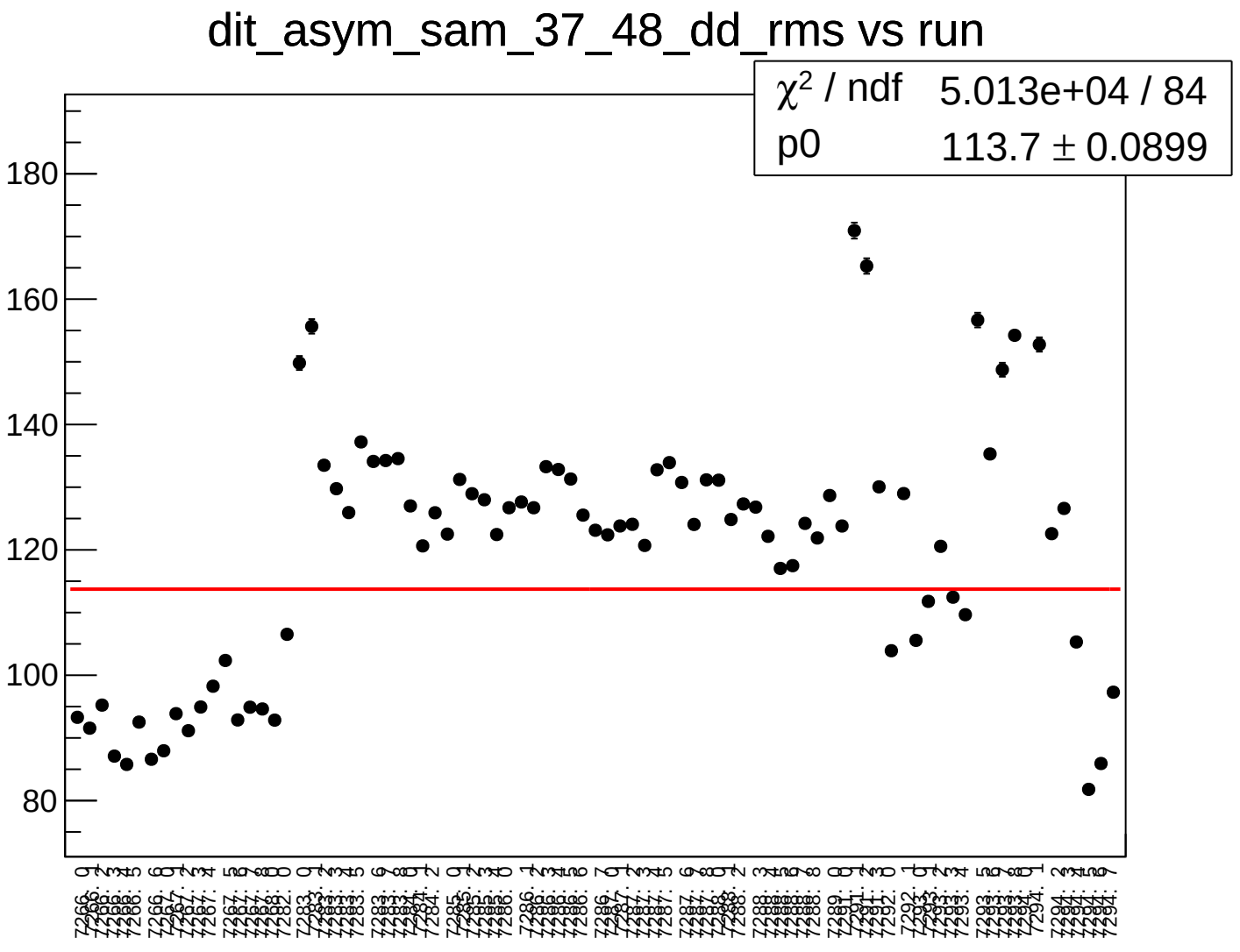

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 112.9 / 84
p0 318.6 ± 468.8
pull
Entries 85
Mean 289.9
Std Dev 242.1
pull1D
Entries 85
Mean 0.01821
Std Dev 1.152

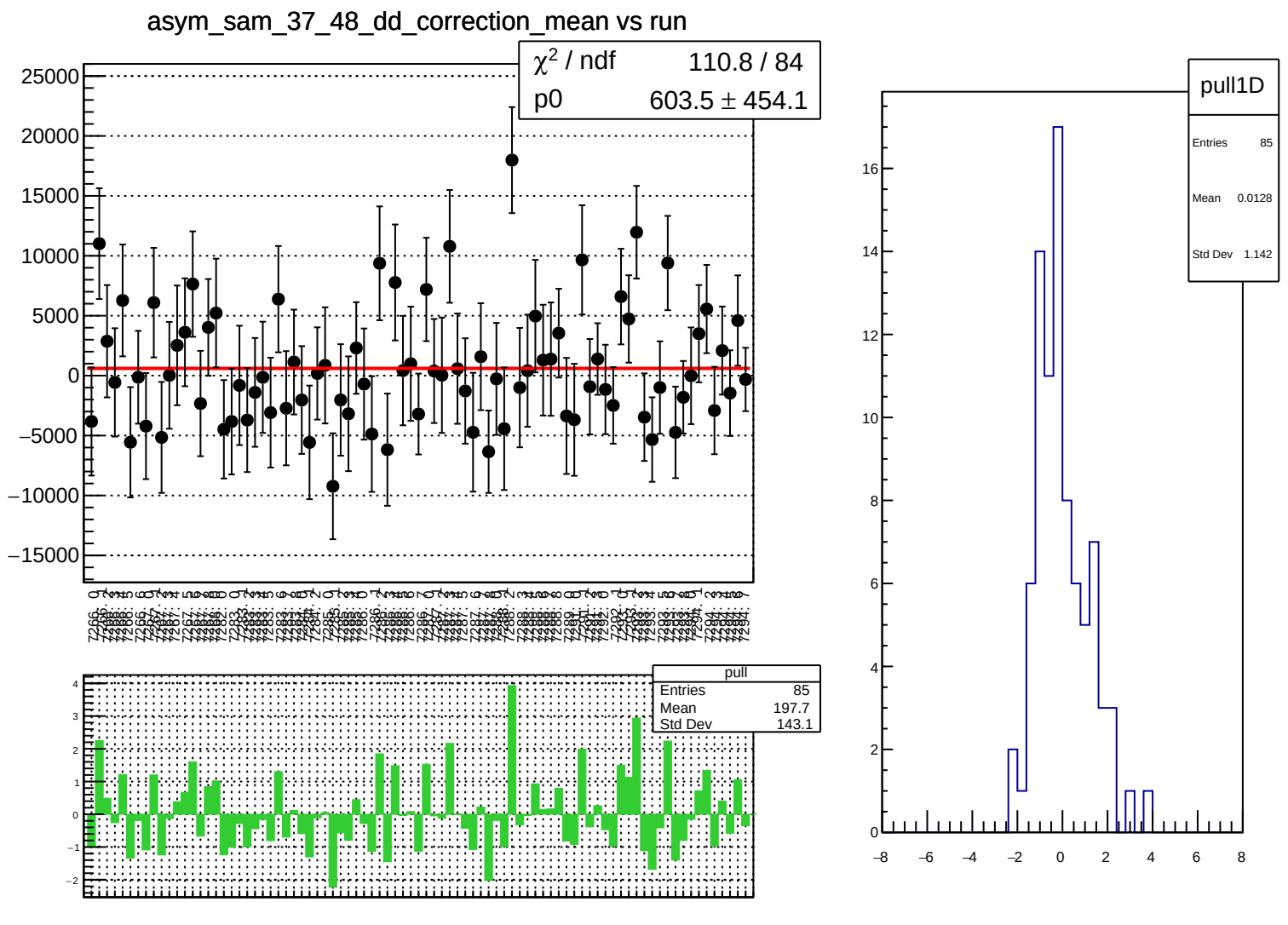

asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 4377 / 84
p0 425.3 ± 0.3315
480
460
440
420
400
380


asym_sam_15_48_dd_mean vs run
χ² / ndf 106.6 / 84
p0 −521.1 ± 447.8
pull
Entries 85
Mean 449.6
Std Dev 402.1
pull1D
Entries 85
Mean −0.01087
Std Dev 1.12

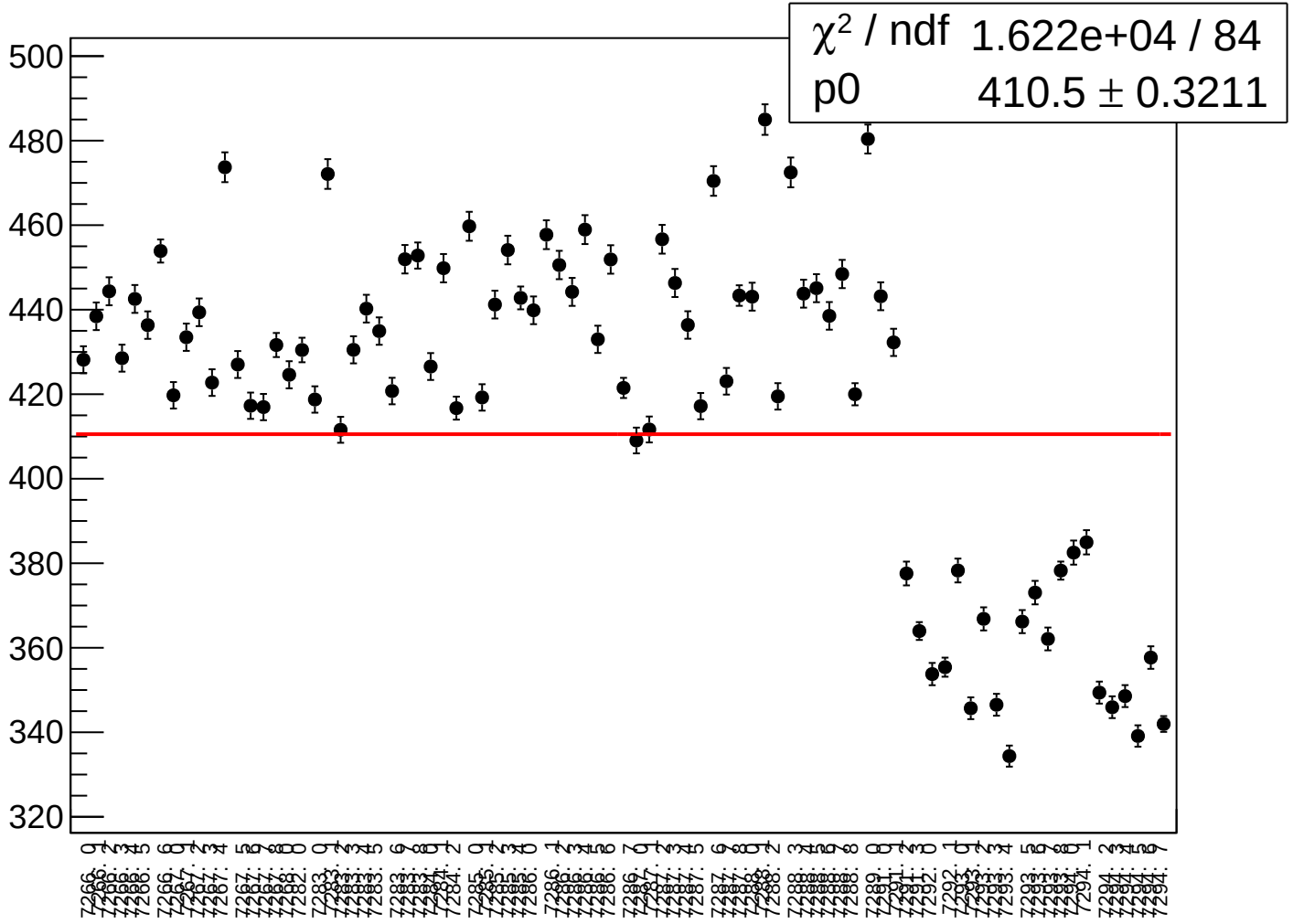

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.094e+04 / 84
p0 404.2 ± 0.3166
520
500
480
460
440
420
400
380
360
340
320

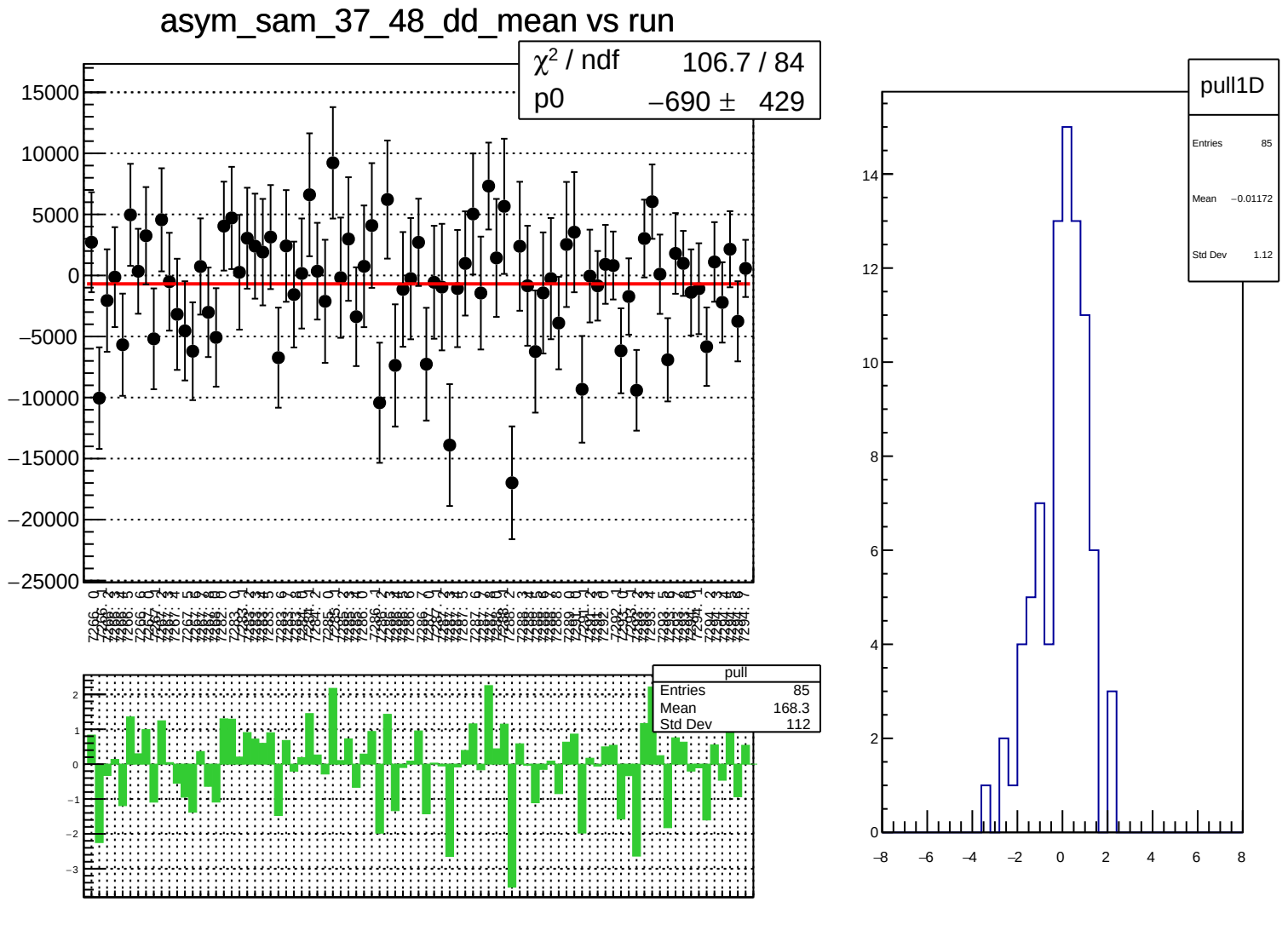

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 67.49 / 84
p0 −25.57 ± 127.1
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −83.75
Std Dev 133.8
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.01801
Std Dev 0.8909
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 5.013e+04 / 84
p0 113.7 ± 0.0899
180
160
140
120
100
80

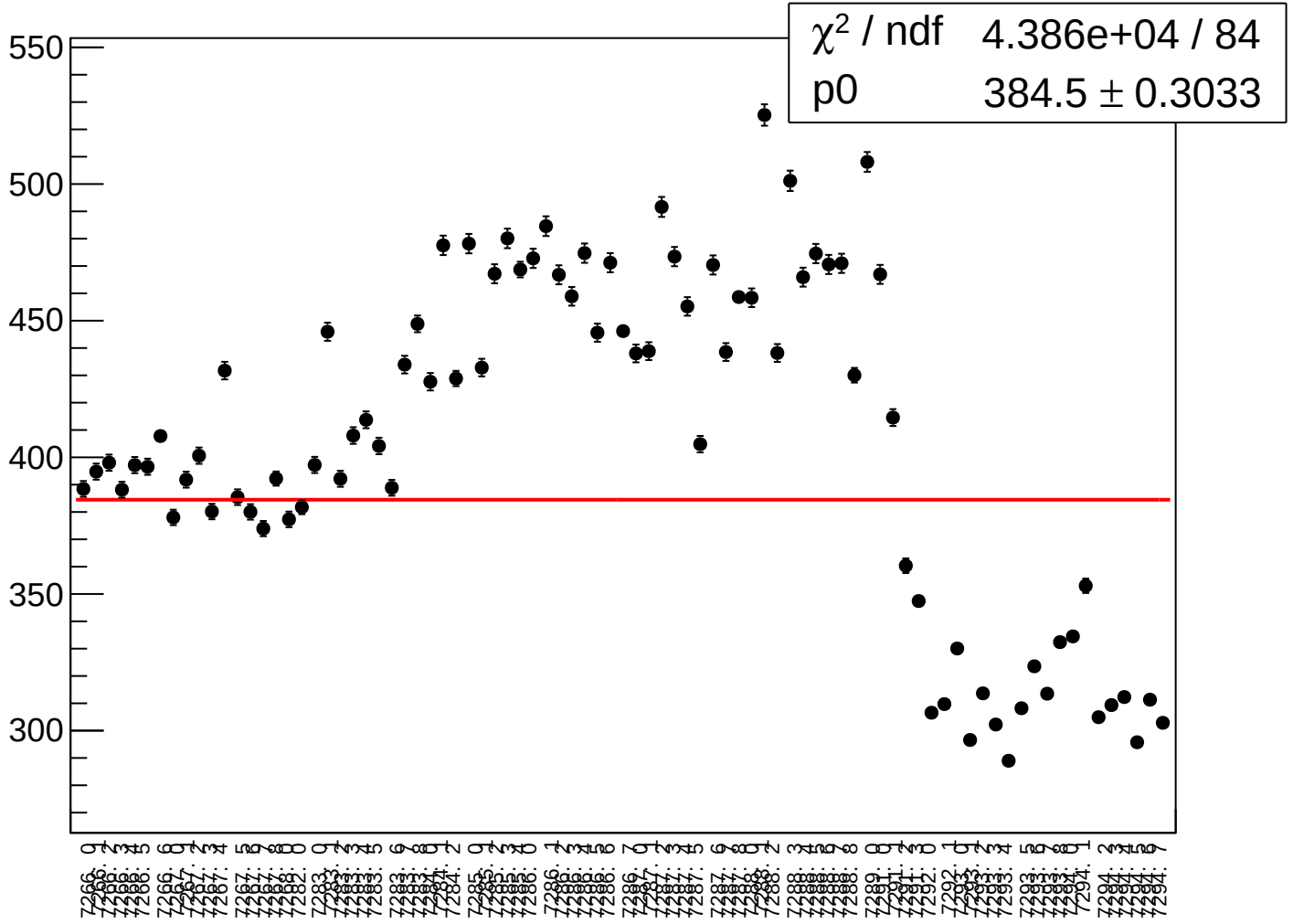

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 110.8 / 84
p0 603.5 ± 454.1
pull
Entries 85
Mean 197.7
Std Dev 143.1
pull1D
Entries 85
Mean 0.0128
Std Dev 1.142

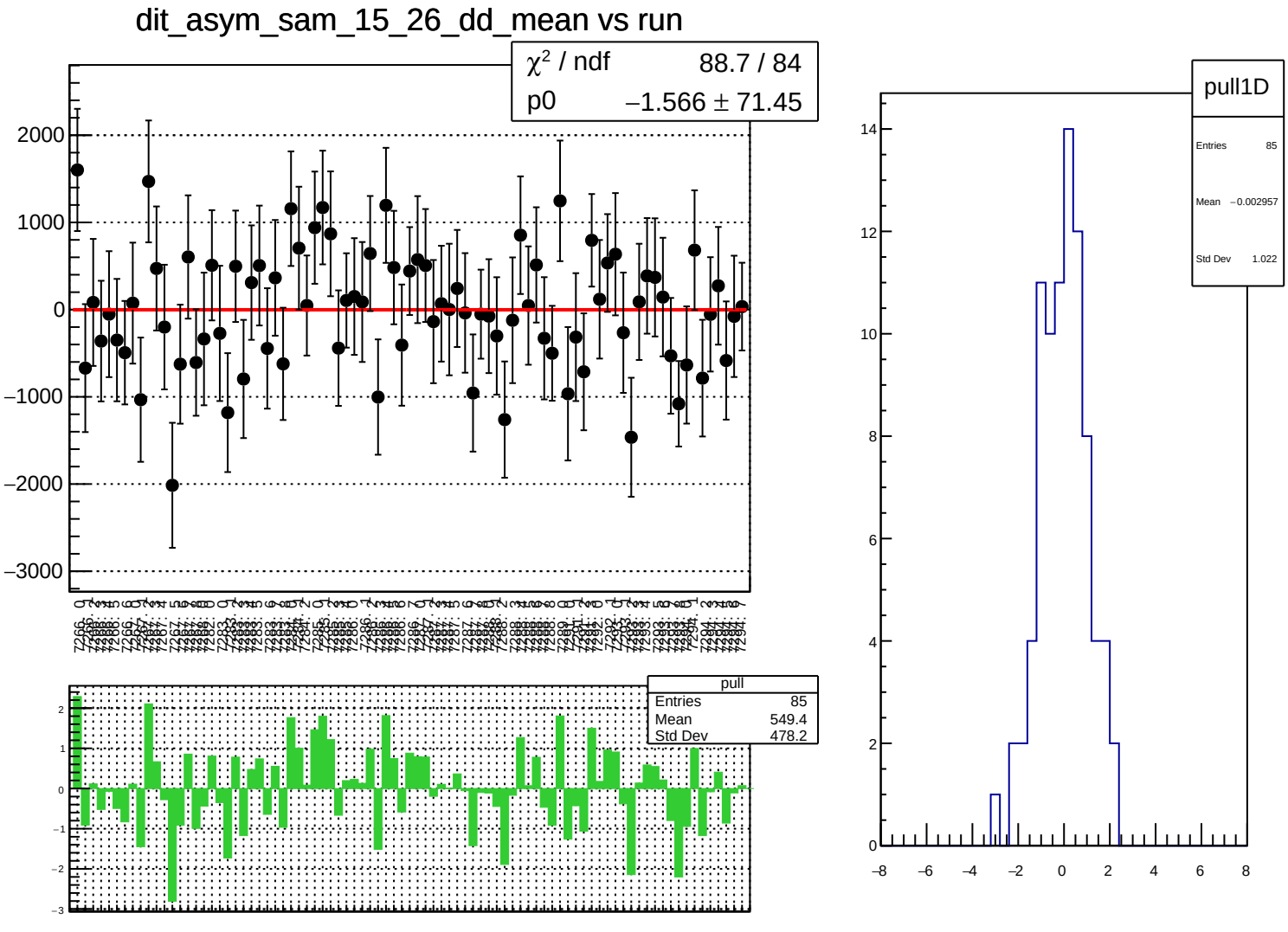
asym_sam_37_48_dd_correction_rms vs run



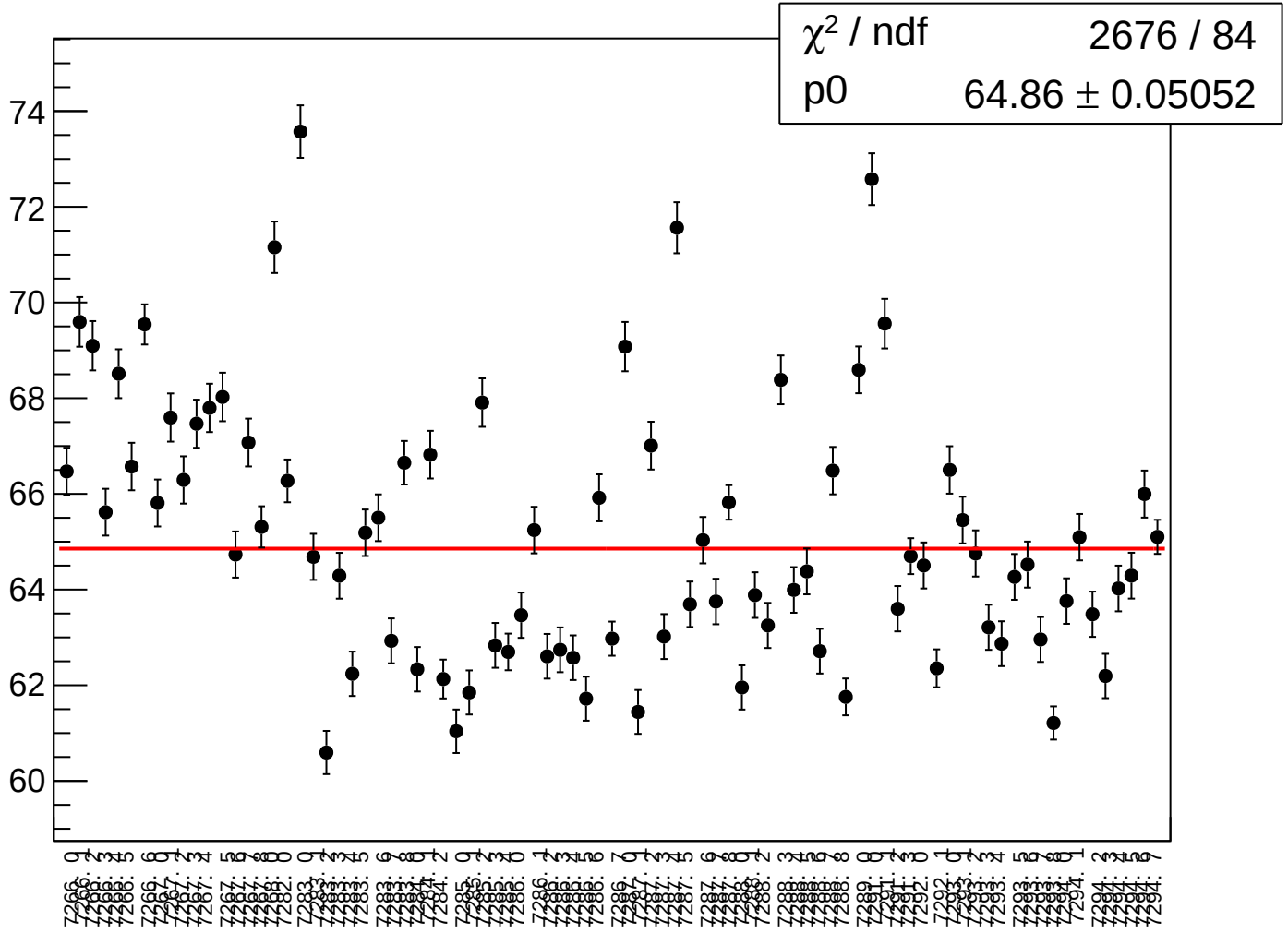

asym_sam_37_48_dd_mean vs run
χ² / ndf 106.7 / 84
p0 −690 ± 429
pull
Entries 85
Mean 168.3
Std Dev 112
pull1D
Entries 85
Mean −0.01172
Std Dev 1.12

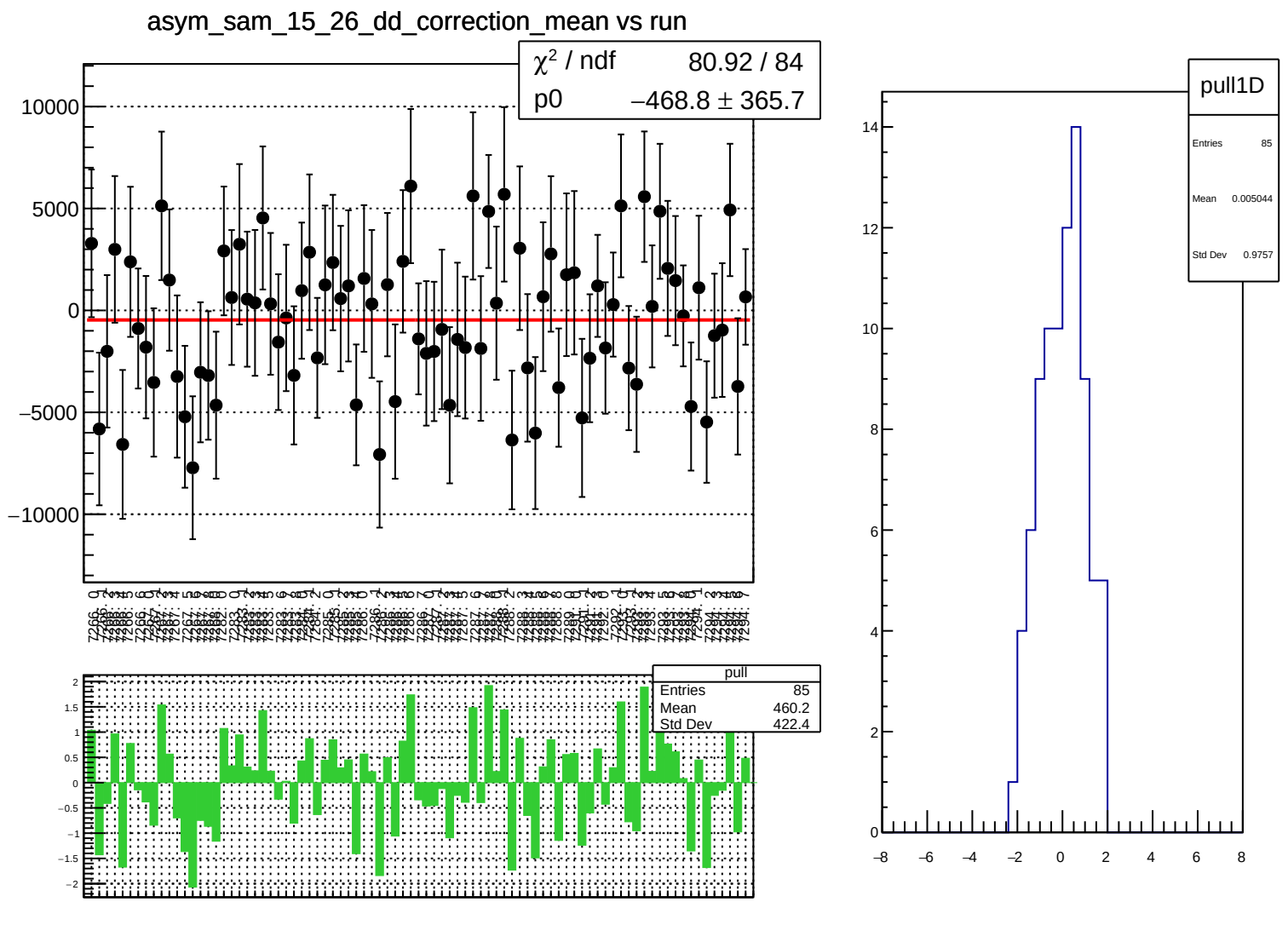
asym_sam_37_48_dd_rms vs run

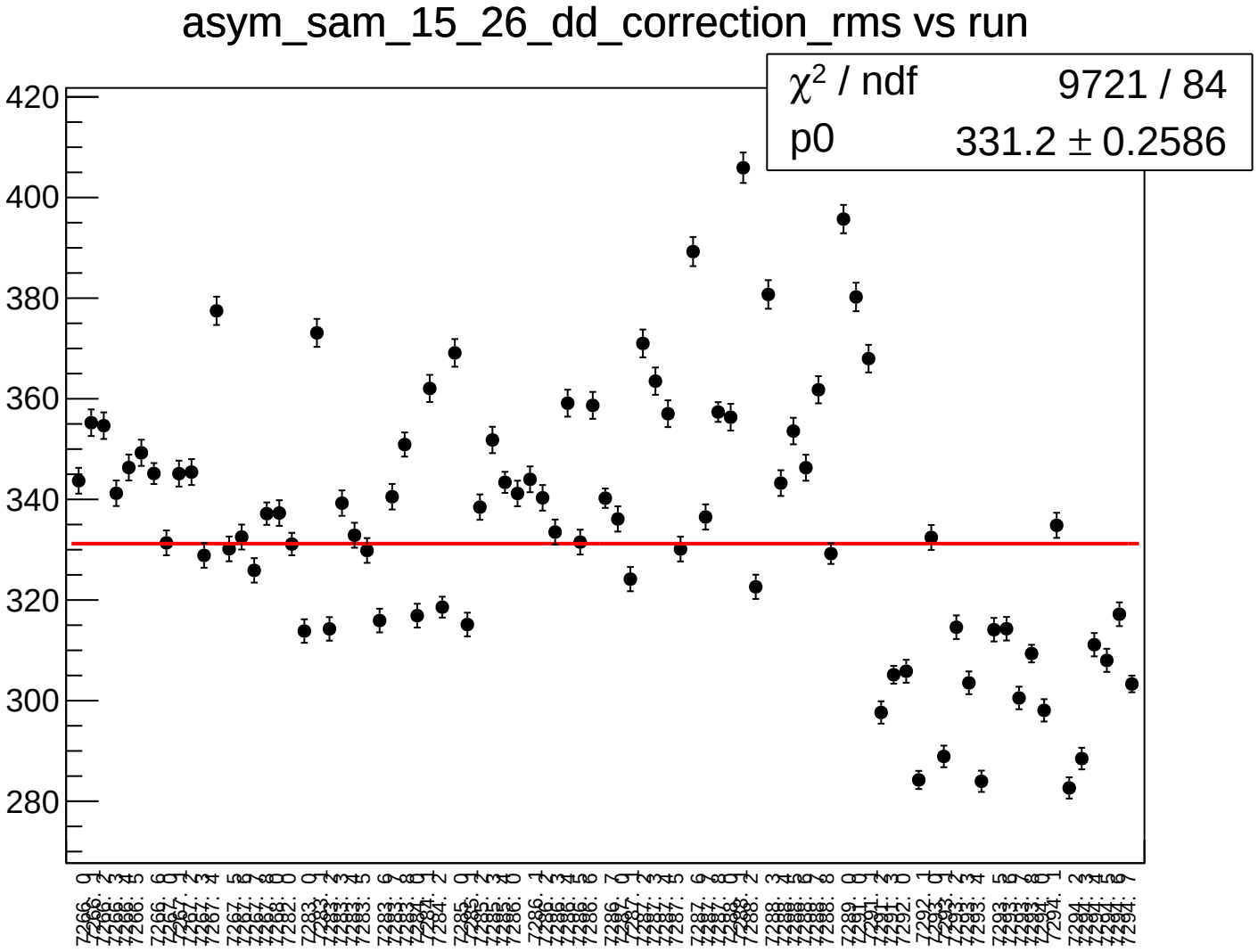


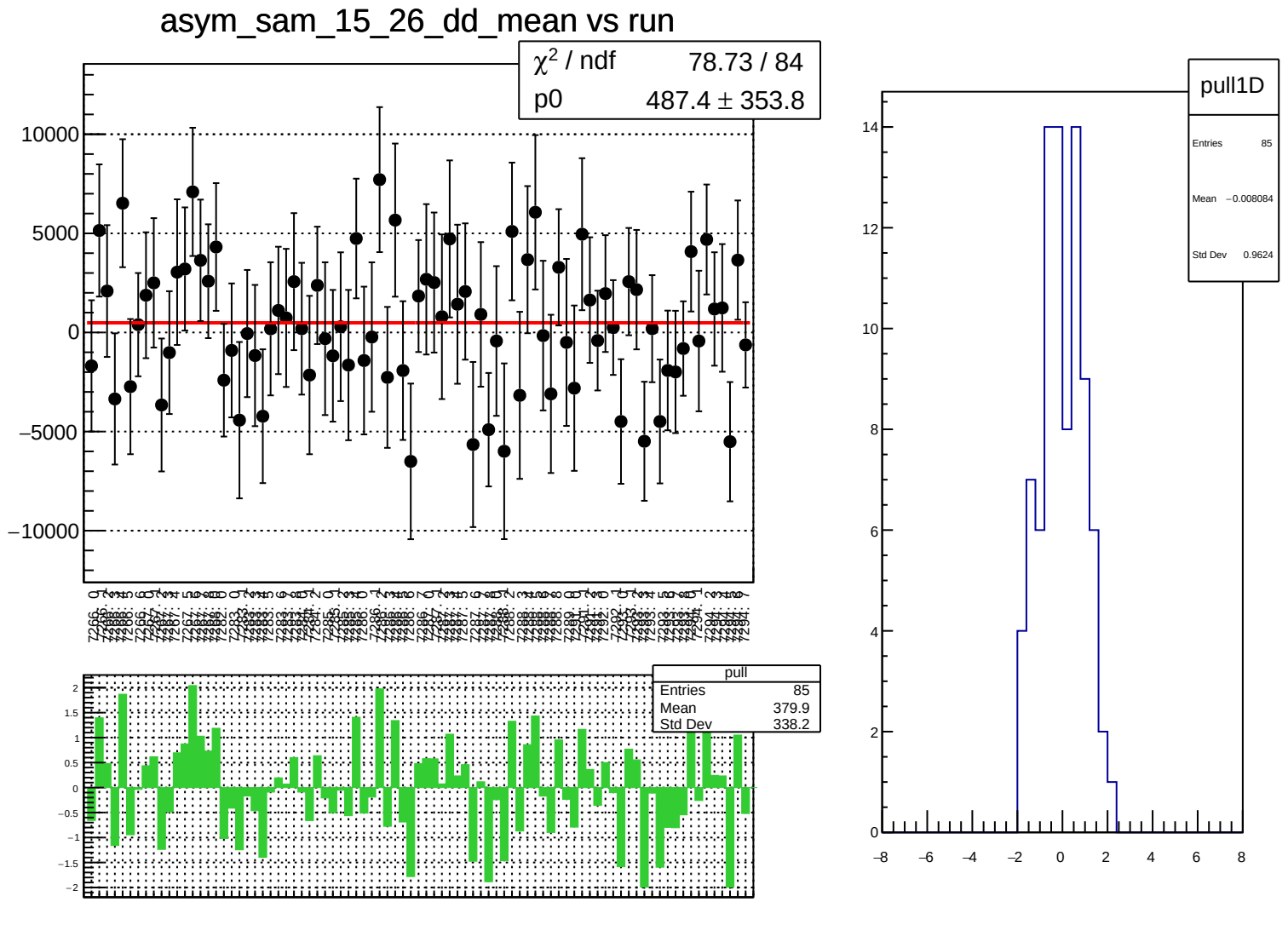

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 88.7 / 84
p0 −1.566 ± 71.45
pull
Entries 85
Mean 549.4
Std Dev 478.2
pull1D
Entries 85
Mean −0.002957
Std Dev 1.022

dit_asym_sam_15_26_dd_rms vs run

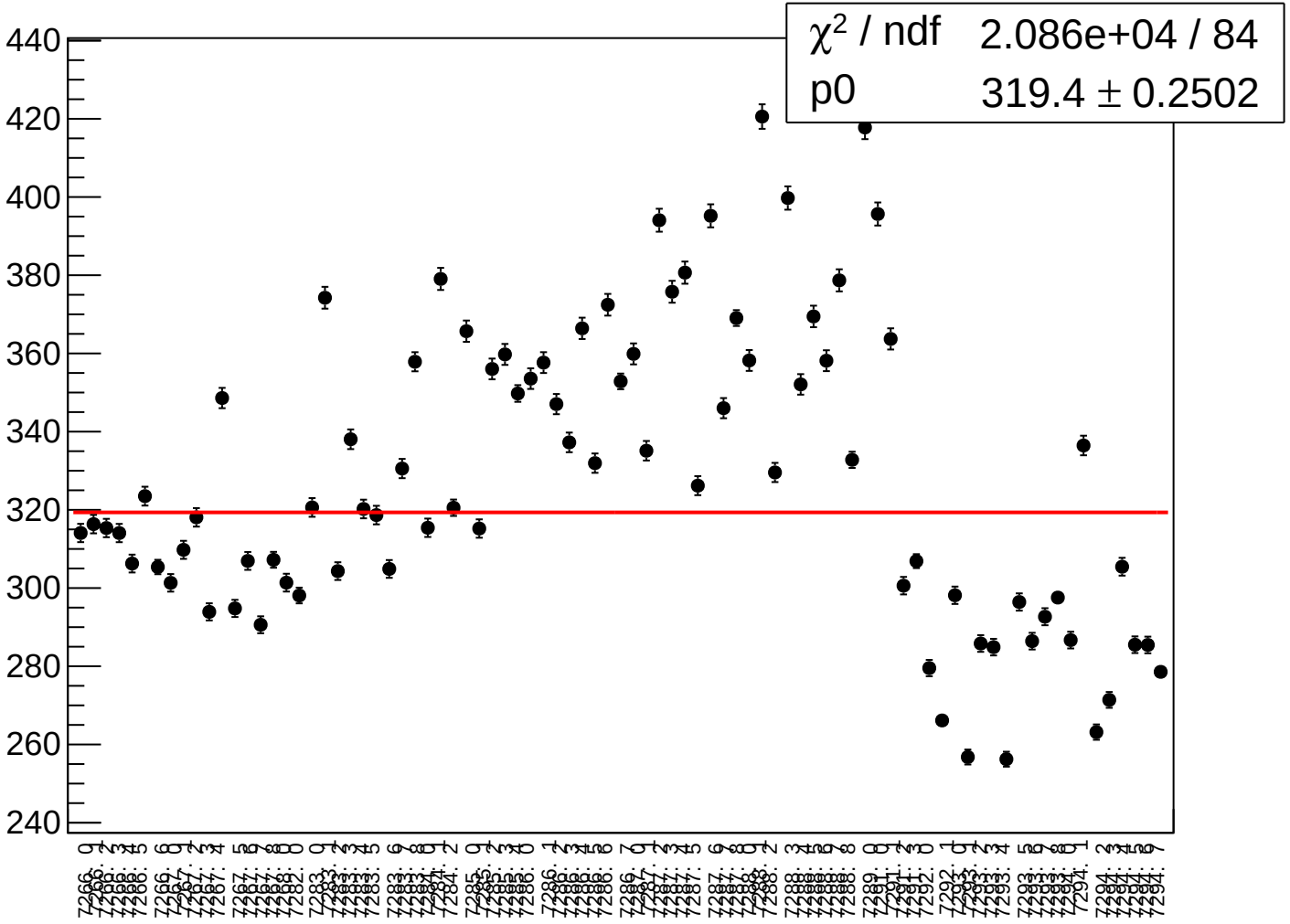


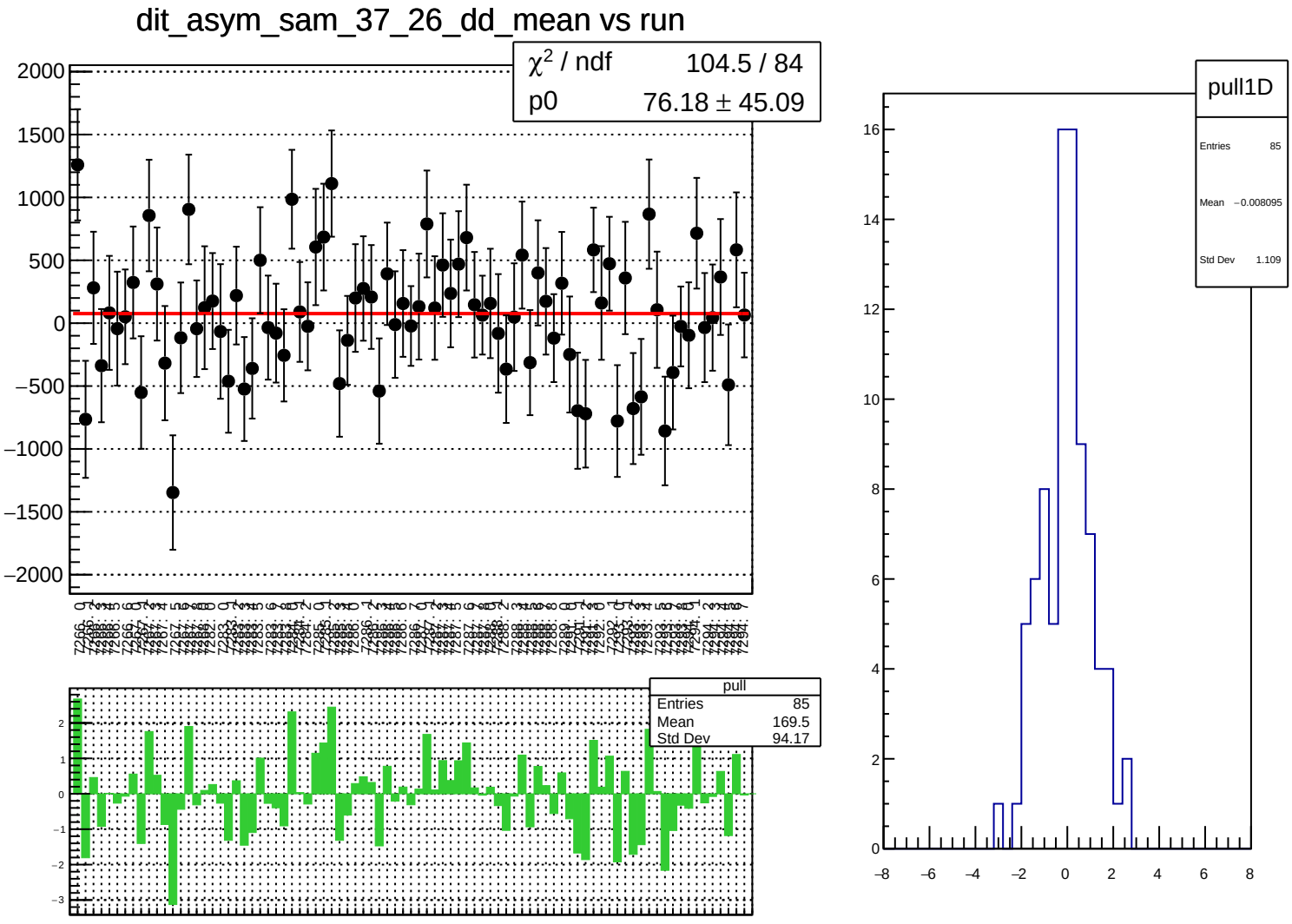

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 80.92 / 84
p0 −468.8 ± 365.7
pull
Entries 85
Mean 460.2
Std Dev 422.4
pull1D
Entries 85
Mean 0.005044
Std Dev 0.9757


asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 9721 / 84
p0 331.2 ± 0.2586
420
400
380
360
340
320
300
280

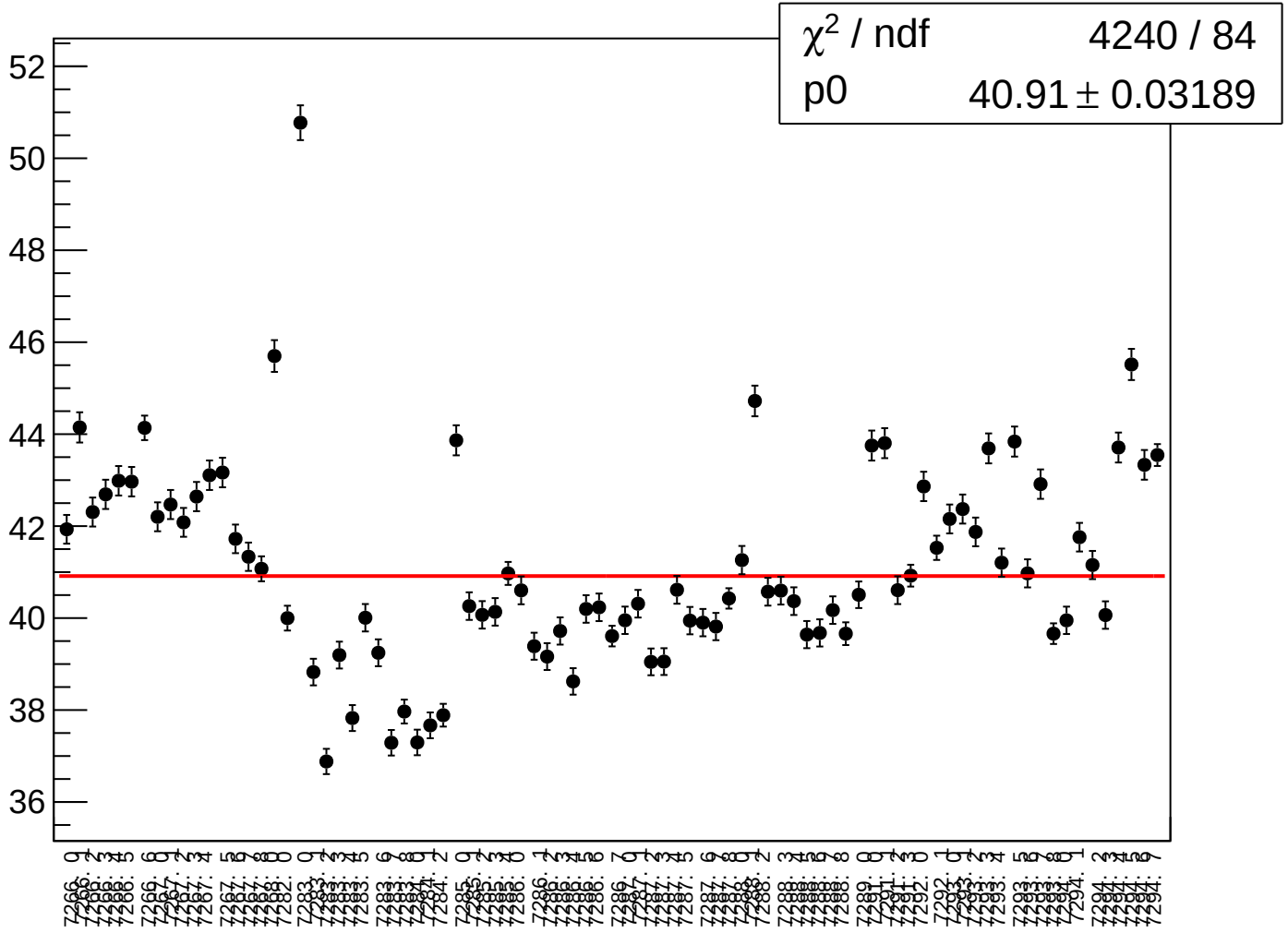

asym_sam_15_26_dd_mean vs run
χ² / ndf 78.73 / 84
p0 487.4 ± 353.8
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 379.9
Std Dev 338.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.008084
Std Dev 0.9624
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

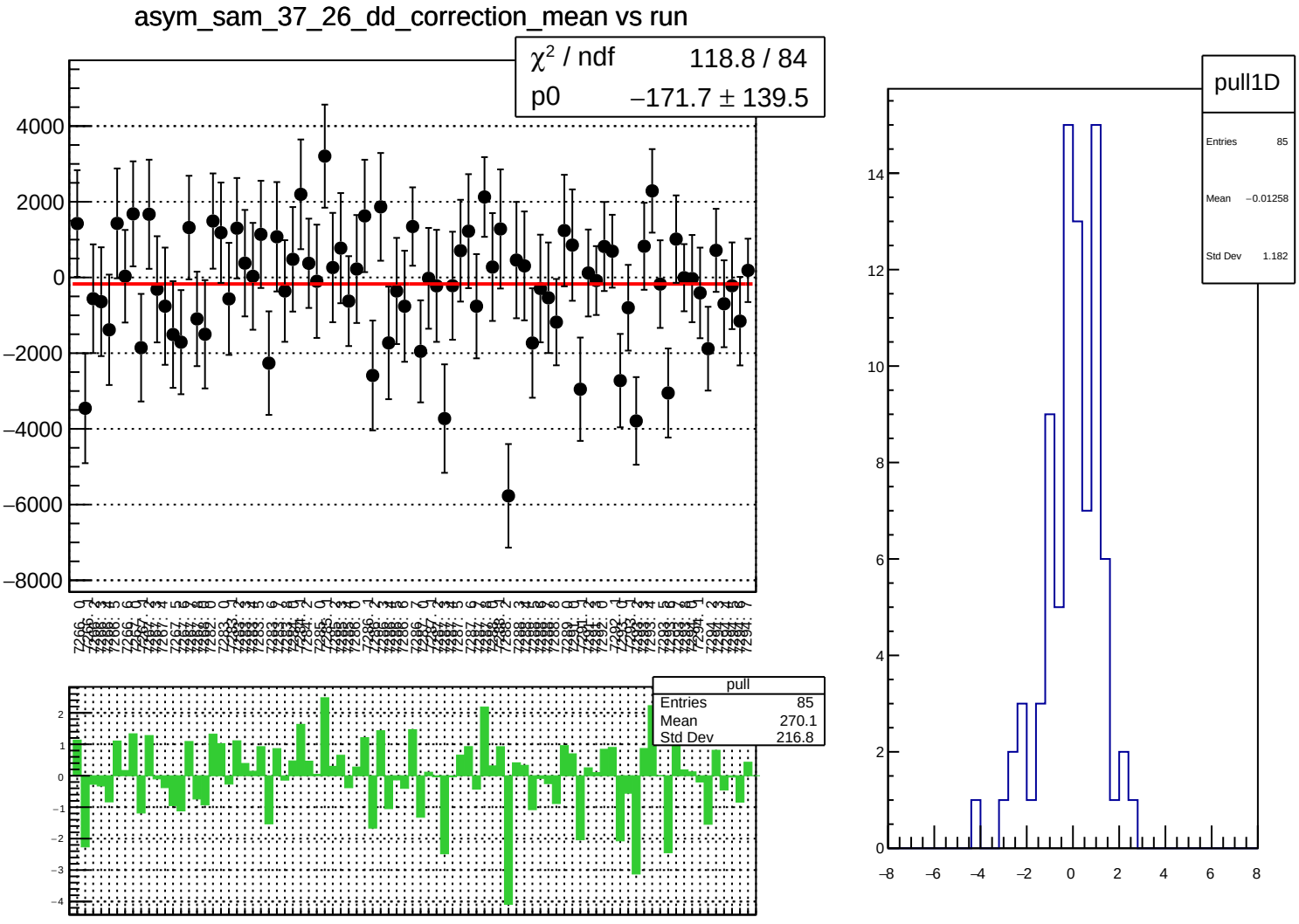
asym_sam_15_26_dd_rms vs run



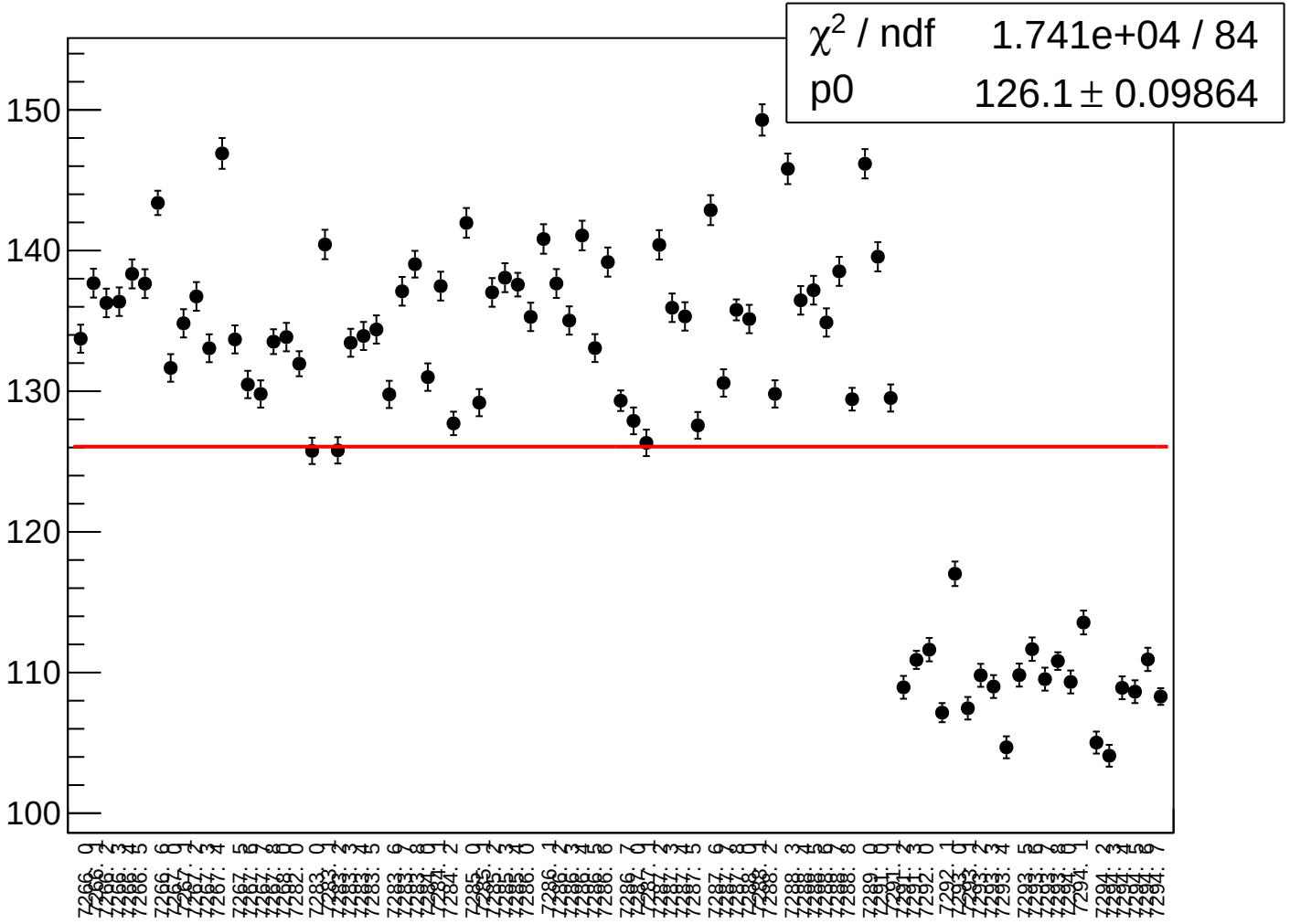

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 104.5 / 84
p0 76.18 ± 45.09
pull
Entries 85
Mean 169.5
Std Dev 94.17
pull1D
Entries 85
Mean −0.008095
Std Dev 1.109

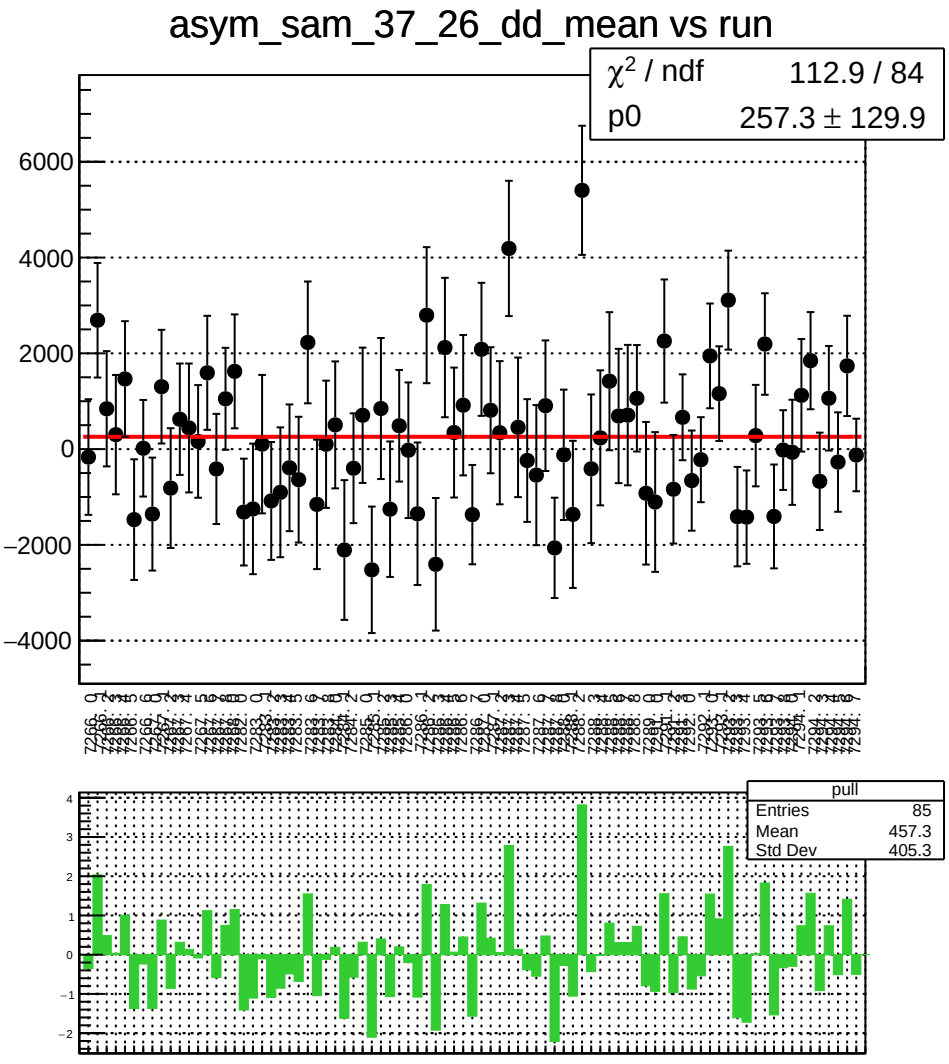
dit_asym_sam_37_26_dd_rms vs run

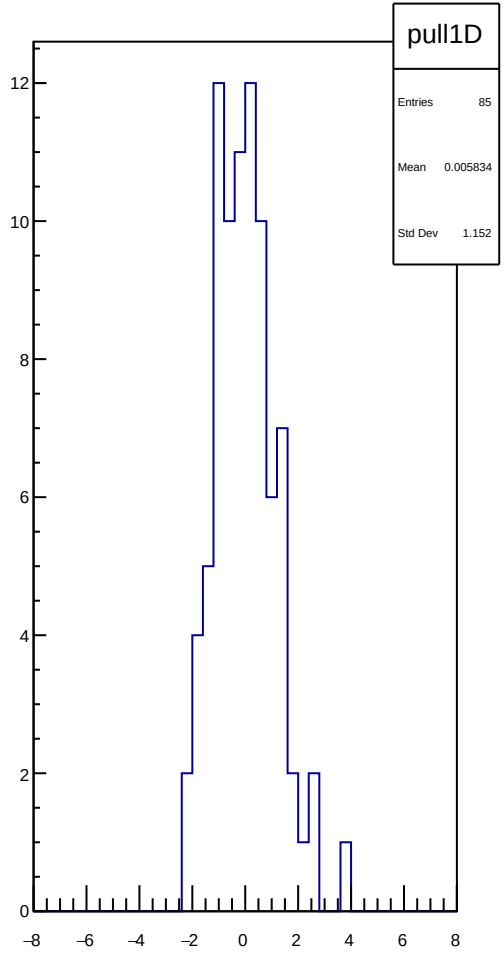


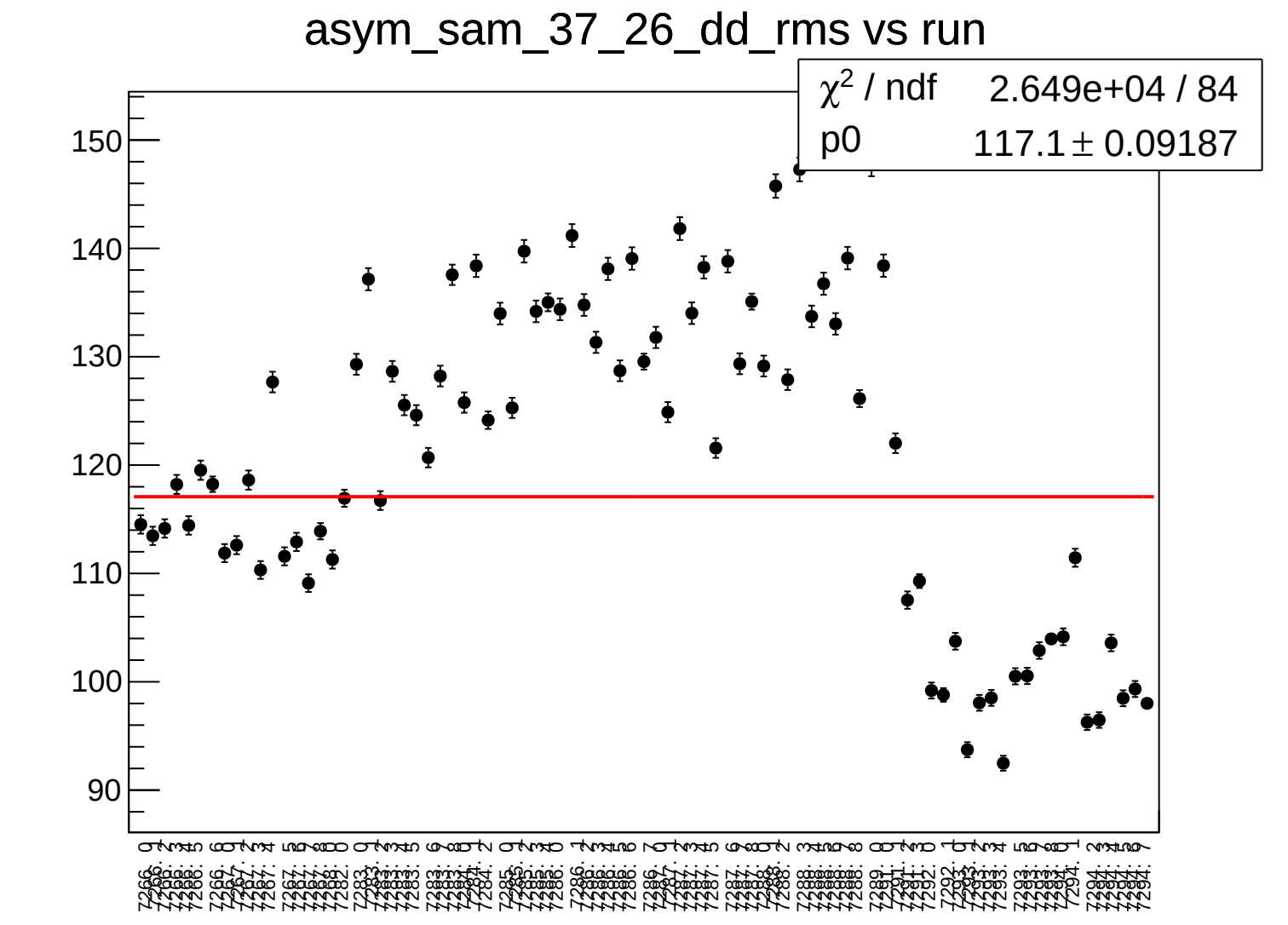

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 118.8 / 84
p0 −171.7 ± 139.5
pull
Entries 85
Mean 270.1
Std Dev 216.8
pull1D
Entries 85
Mean −0.01258
Std Dev 1.182

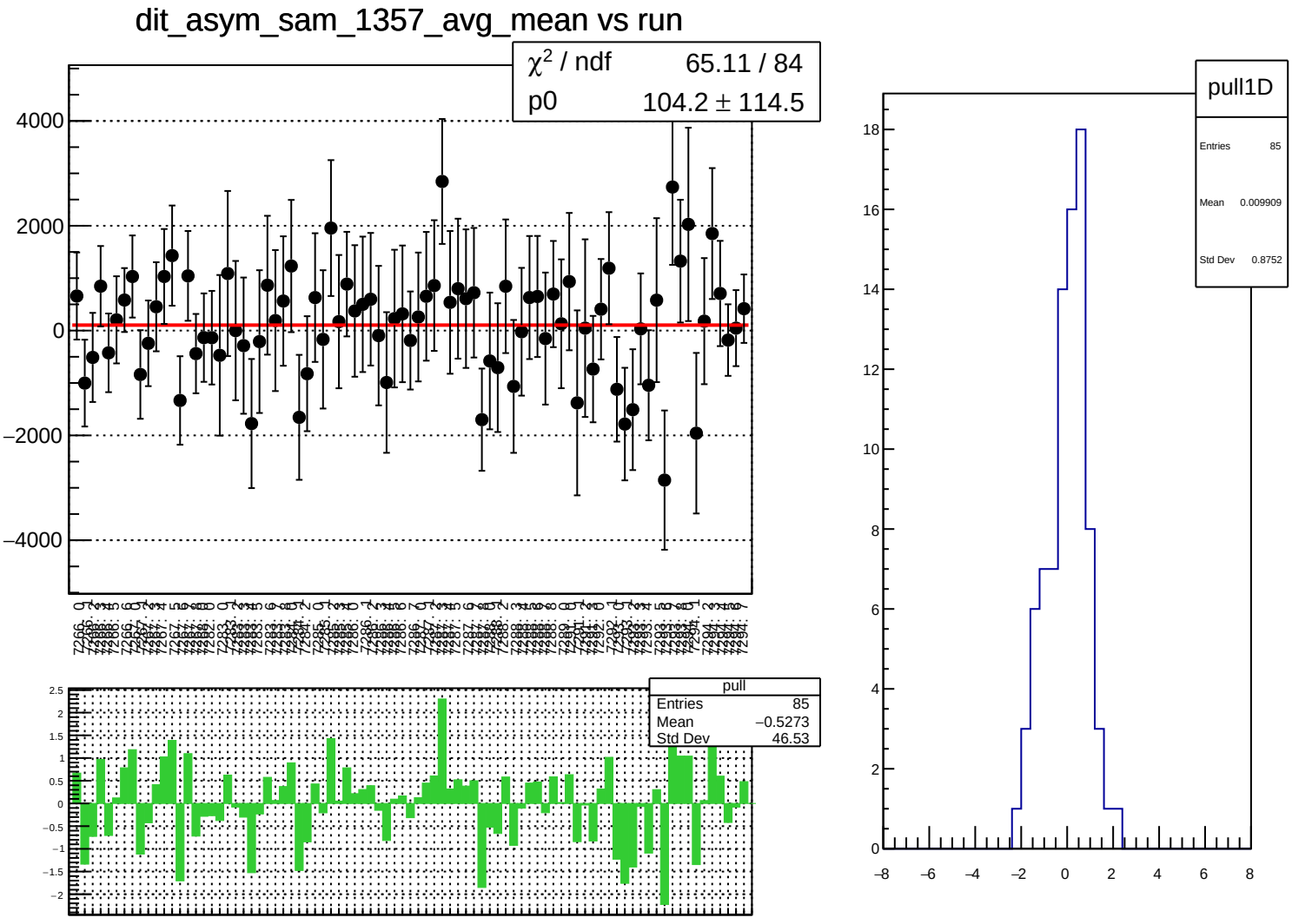
asym_sam_37_26_dd_correction_rms vs run



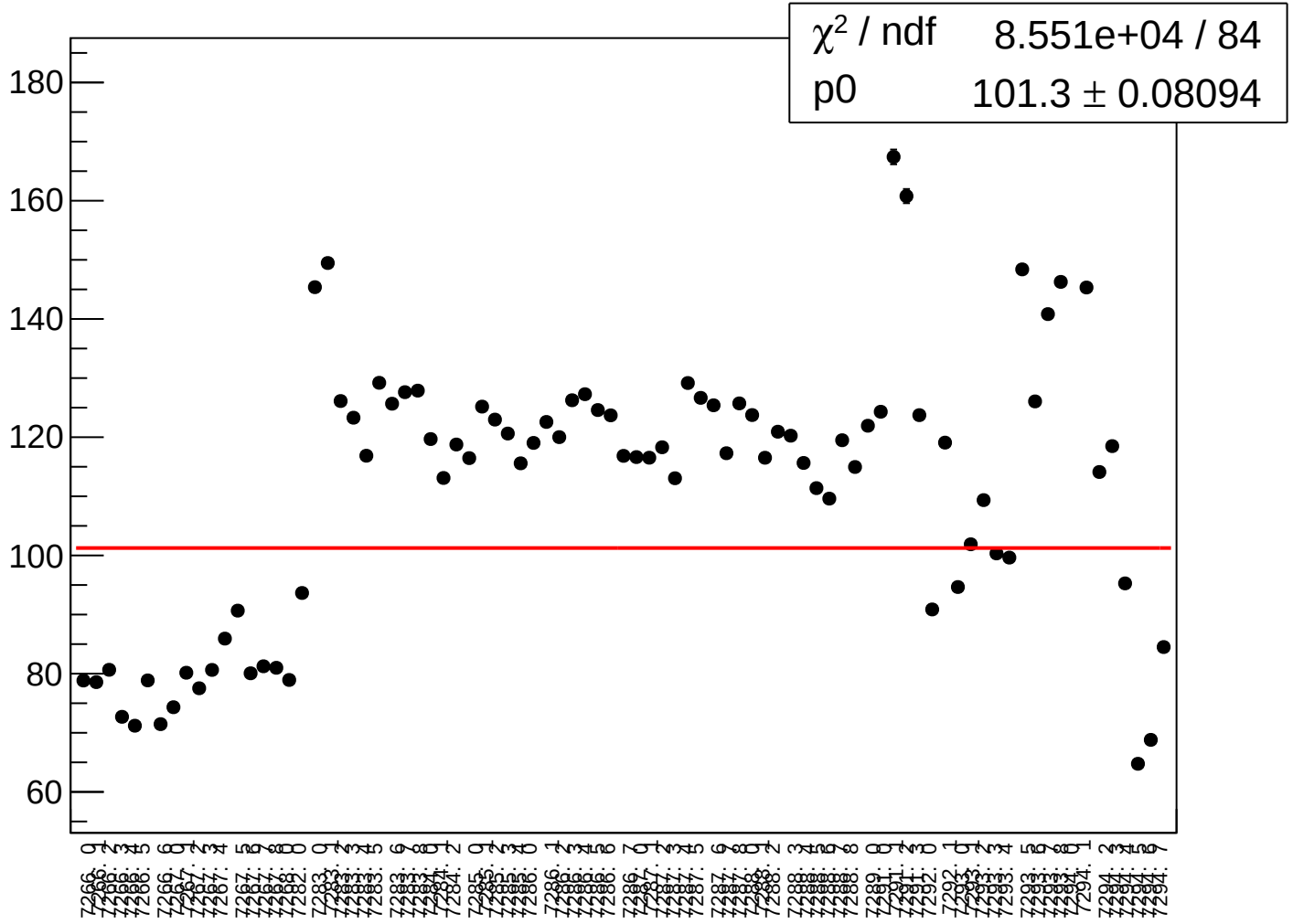

asym_sam_37_26_dd_mean vs run
χ² / ndf 112.9 / 84
p0 257.3 ± 129.9
6000
4000
2000
0
−2000
−4000
pull
Entries 85
Mean 457.3
Std Dev 405.3
4
3
2
1
0
−1
−2

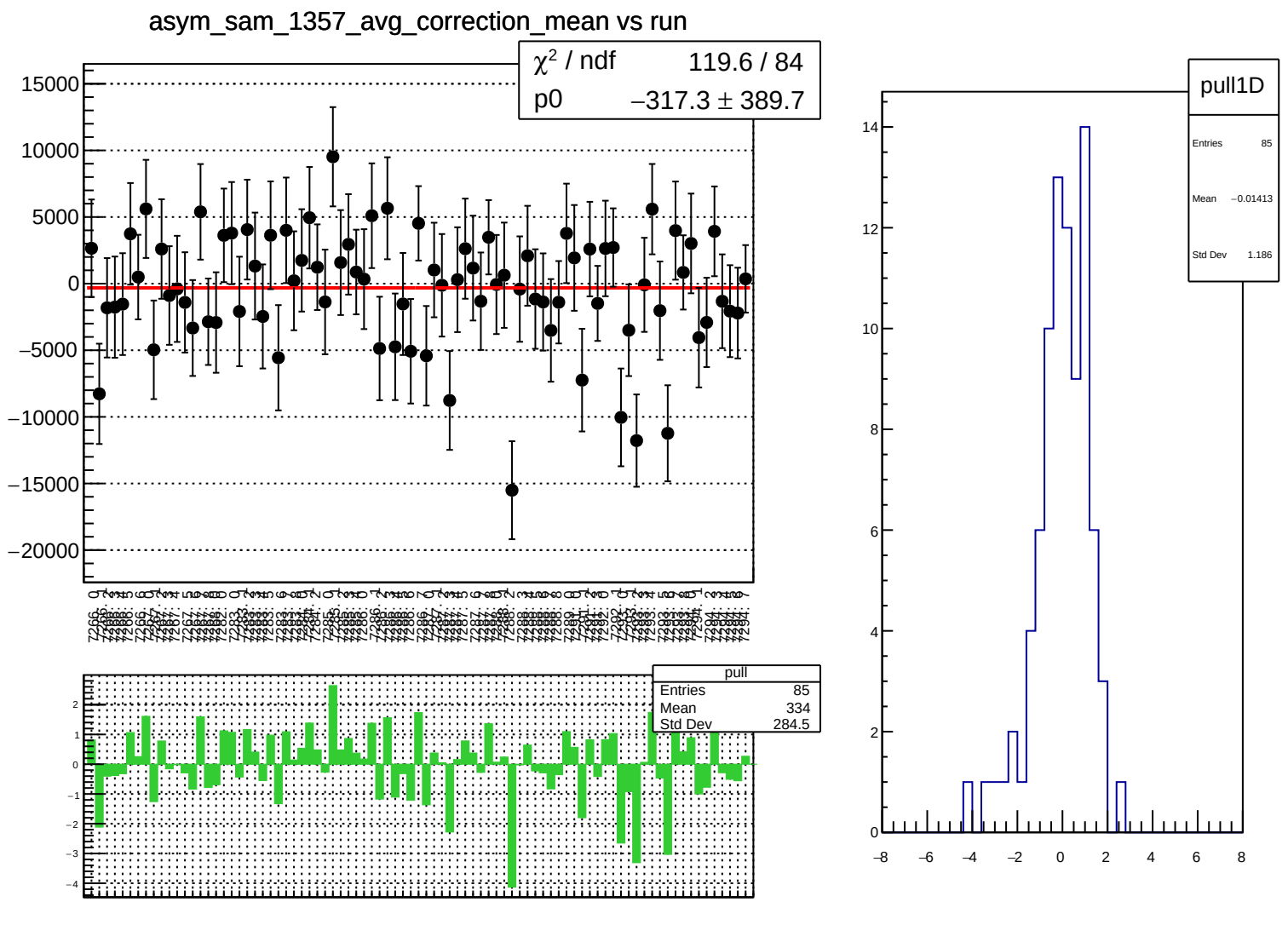

pull1D
Entries 85
Mean 0.005834
Std Dev 1.152
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

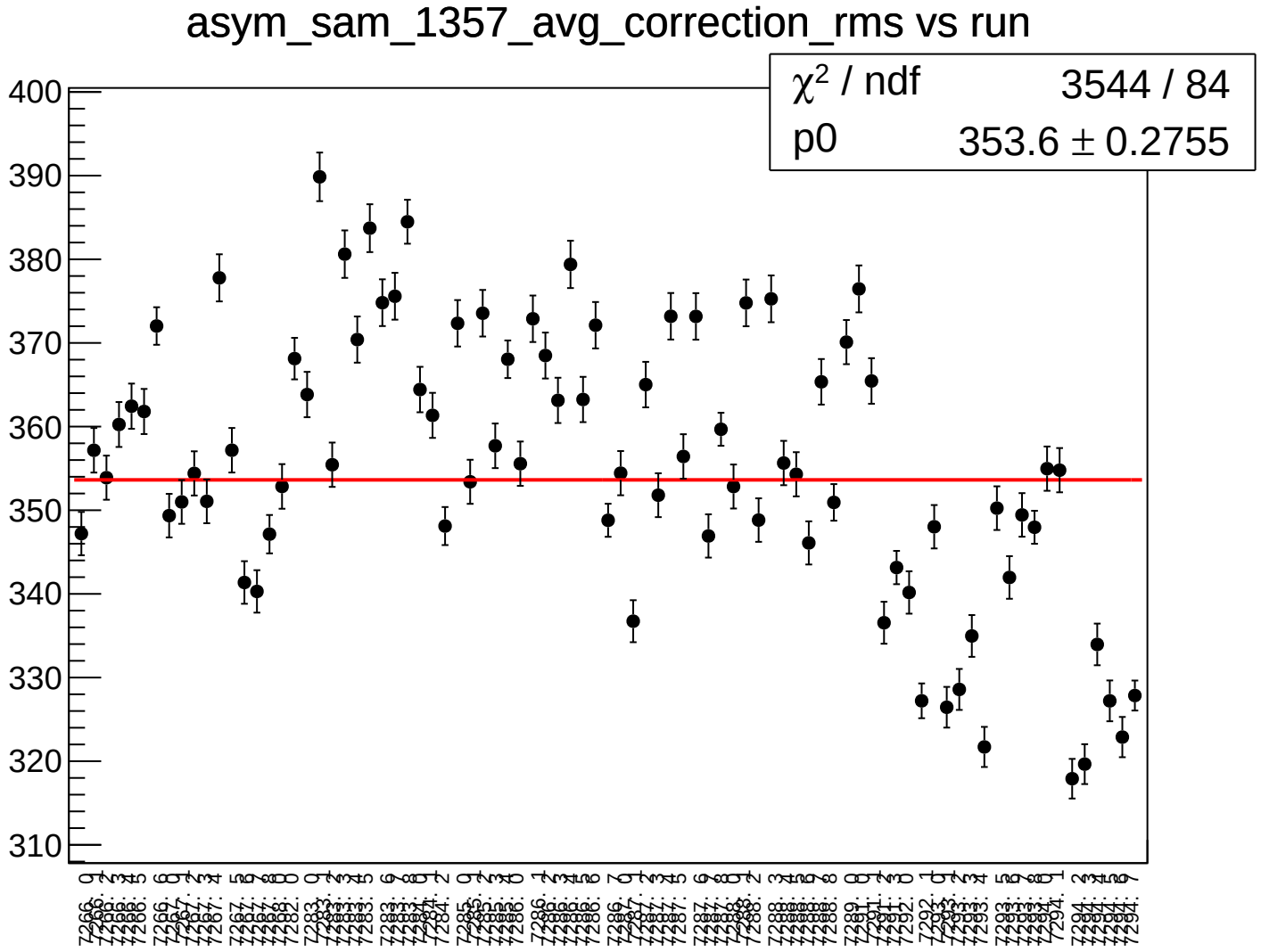

asym_sam_37_26_dd_rms vs run
χ^2 / ndf 2.649e+04 / 84
p0 117.1 ± 0.09187
150
140
130
120
110
100
90

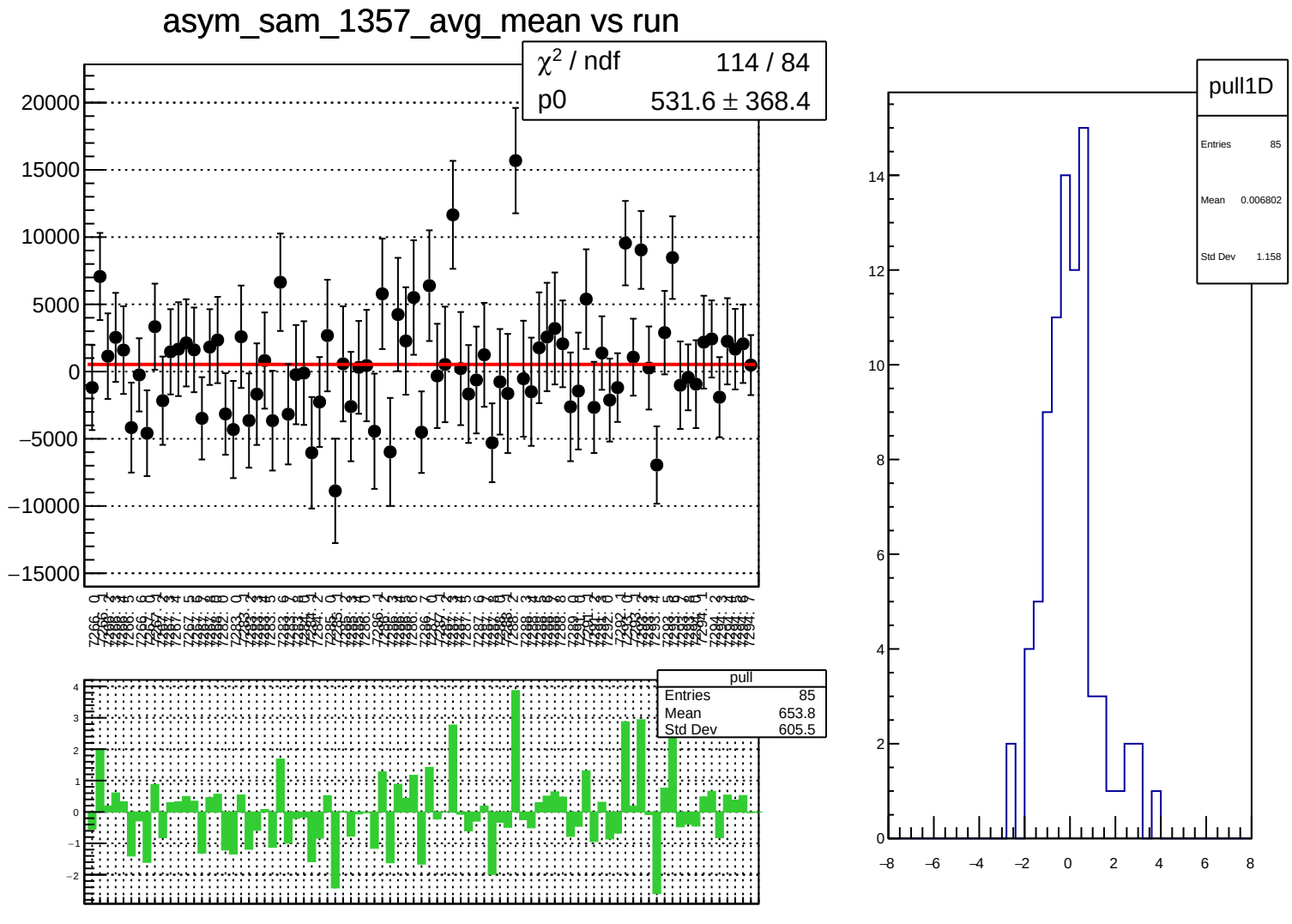

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 65.11 / 84
p0 104.2 ± 114.5
pull
Entries 85
Mean −0.5273
Std Dev 46.53
pull1D
Entries 85
Mean 0.009909
Std Dev 0.8752

dit_asym_sam_1357_avg_rms vs run

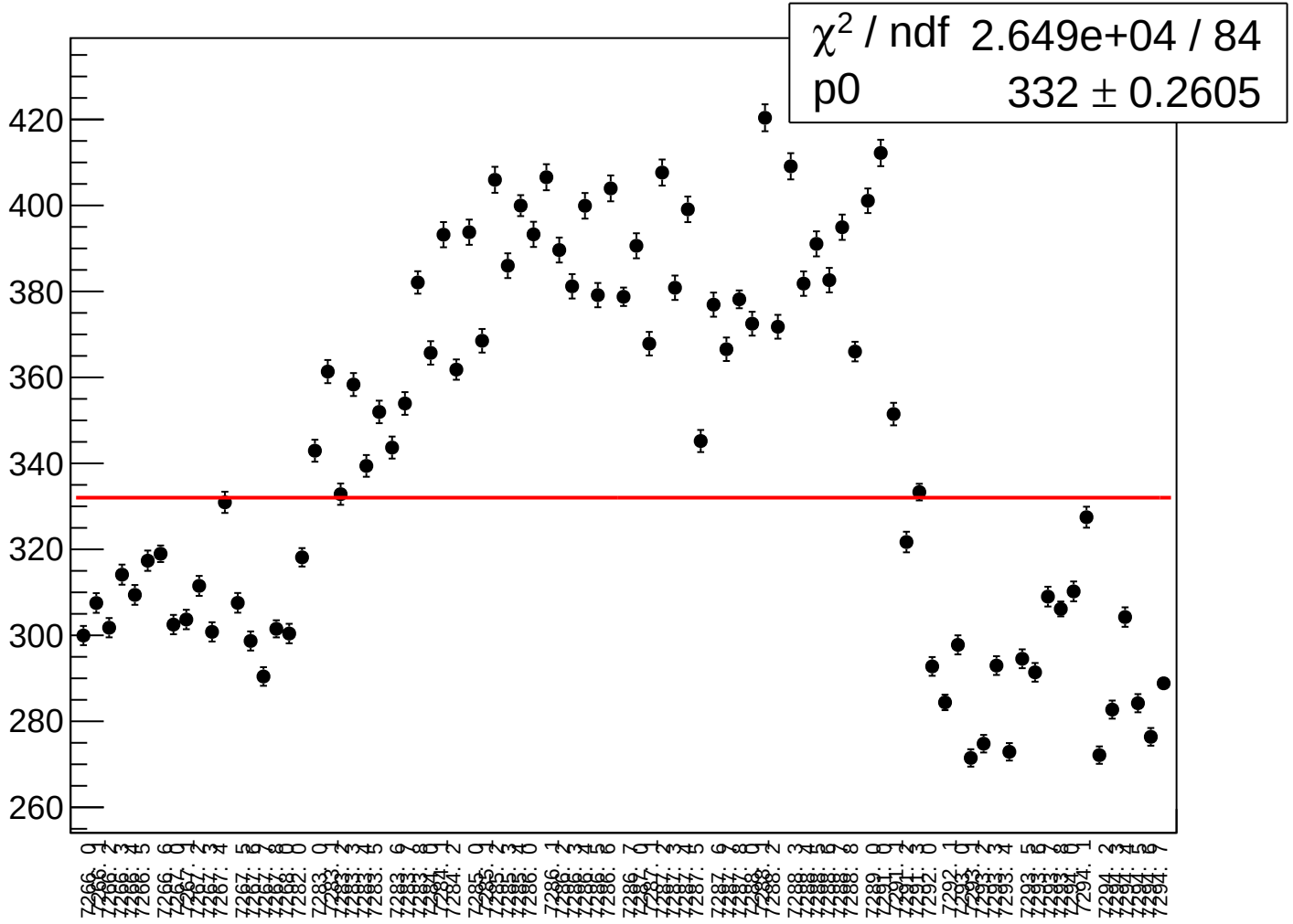


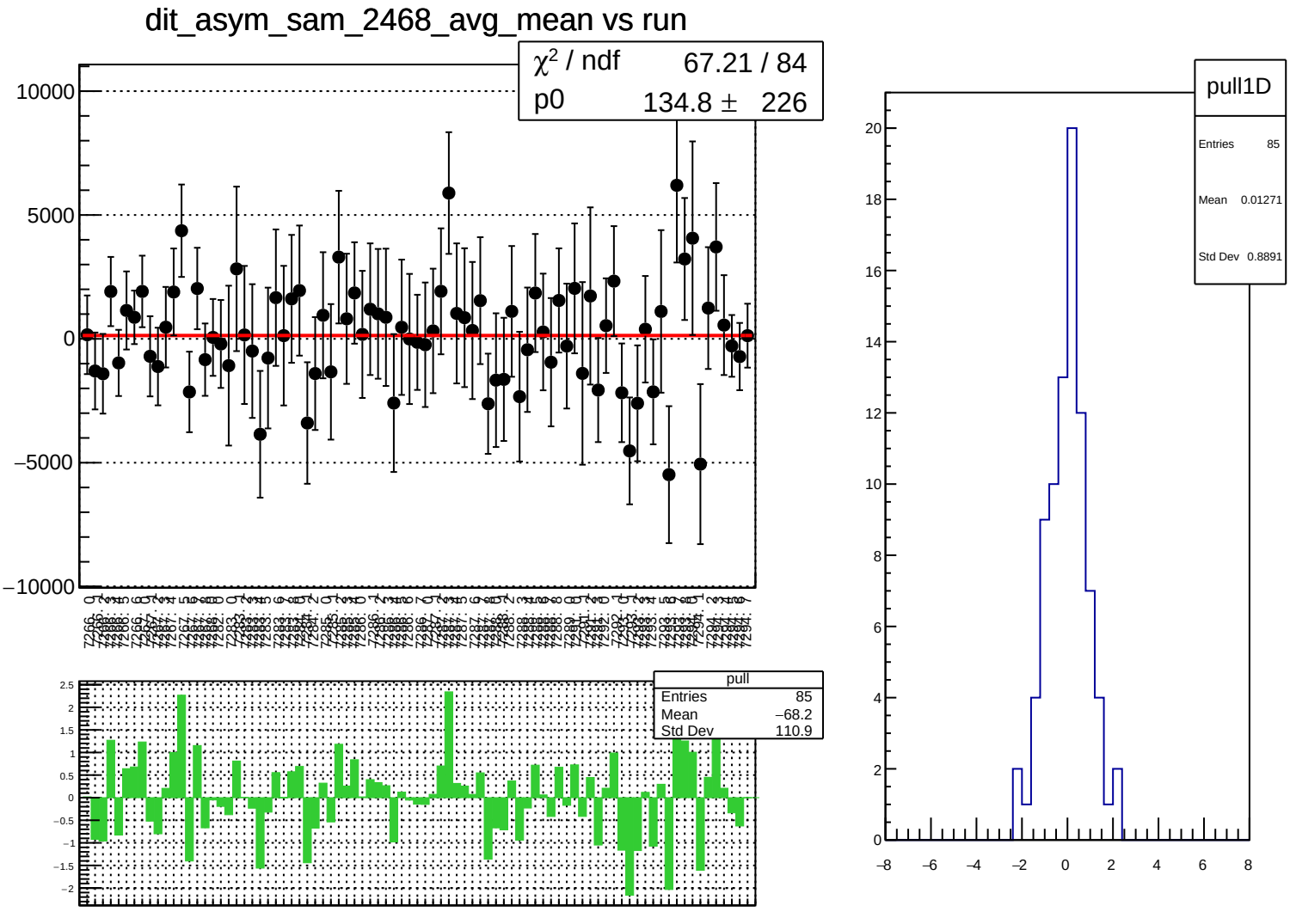

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 119.6 / 84
p0 −317.3 ± 389.7
pull
Entries 85
Mean 334
Std Dev 284.5
pull1D
Entries 85
Mean −0.01413
Std Dev 1.186


asym_sam_1357_avg_correction_rms vs run
χ^2 / ndf 3544 / 84
p0 353.6 ± 0.2755
400
390
380
370
360
350
340
330
320
310

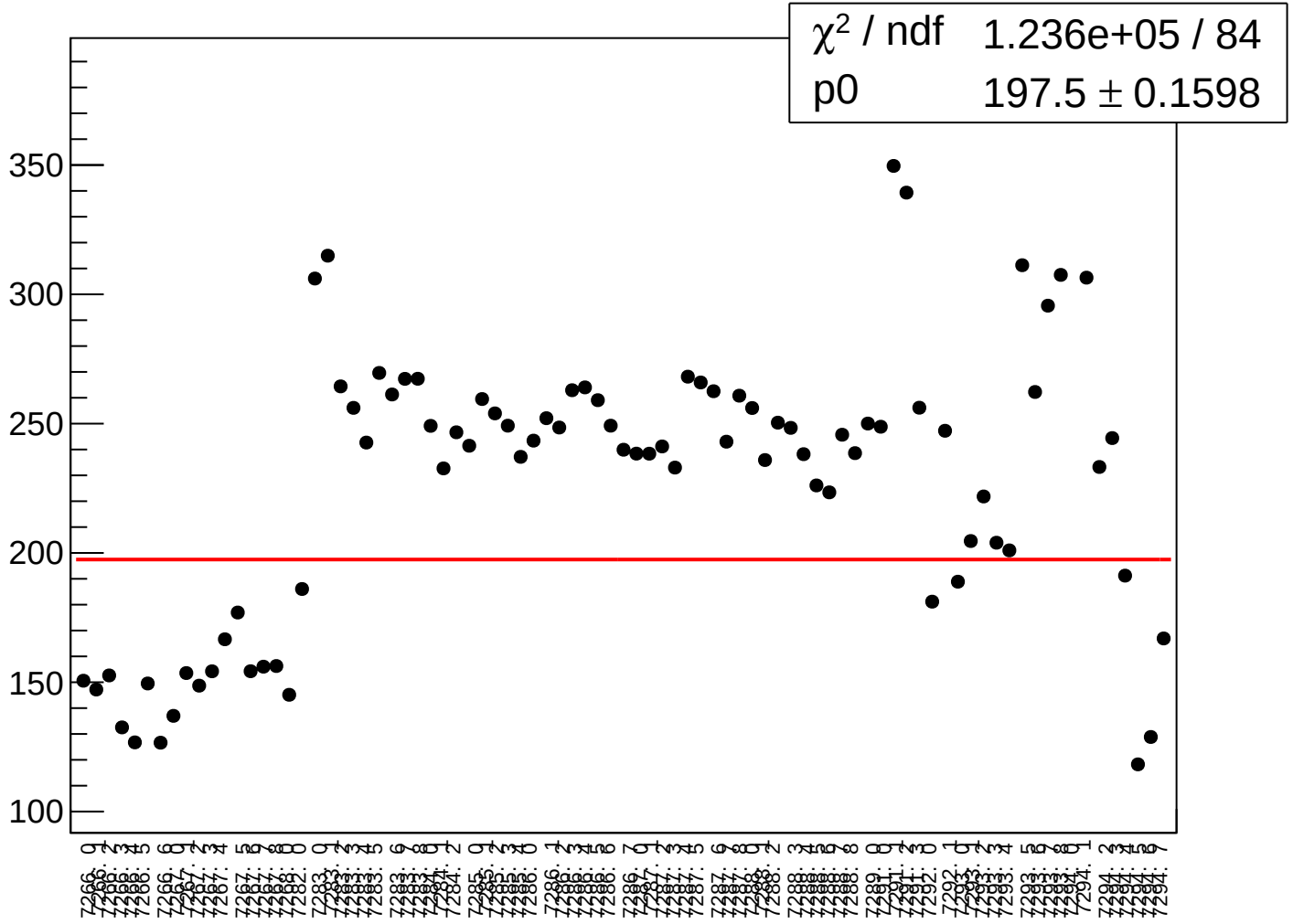

asym_sam_1357_avg_mean vs run
χ² / ndf 114 / 84
p0 531.6 ± 368.4
pull
Entries 85
Mean 653.8
Std Dev 605.5
pull1D
Entries 85
Mean 0.006802
Std Dev 1.158

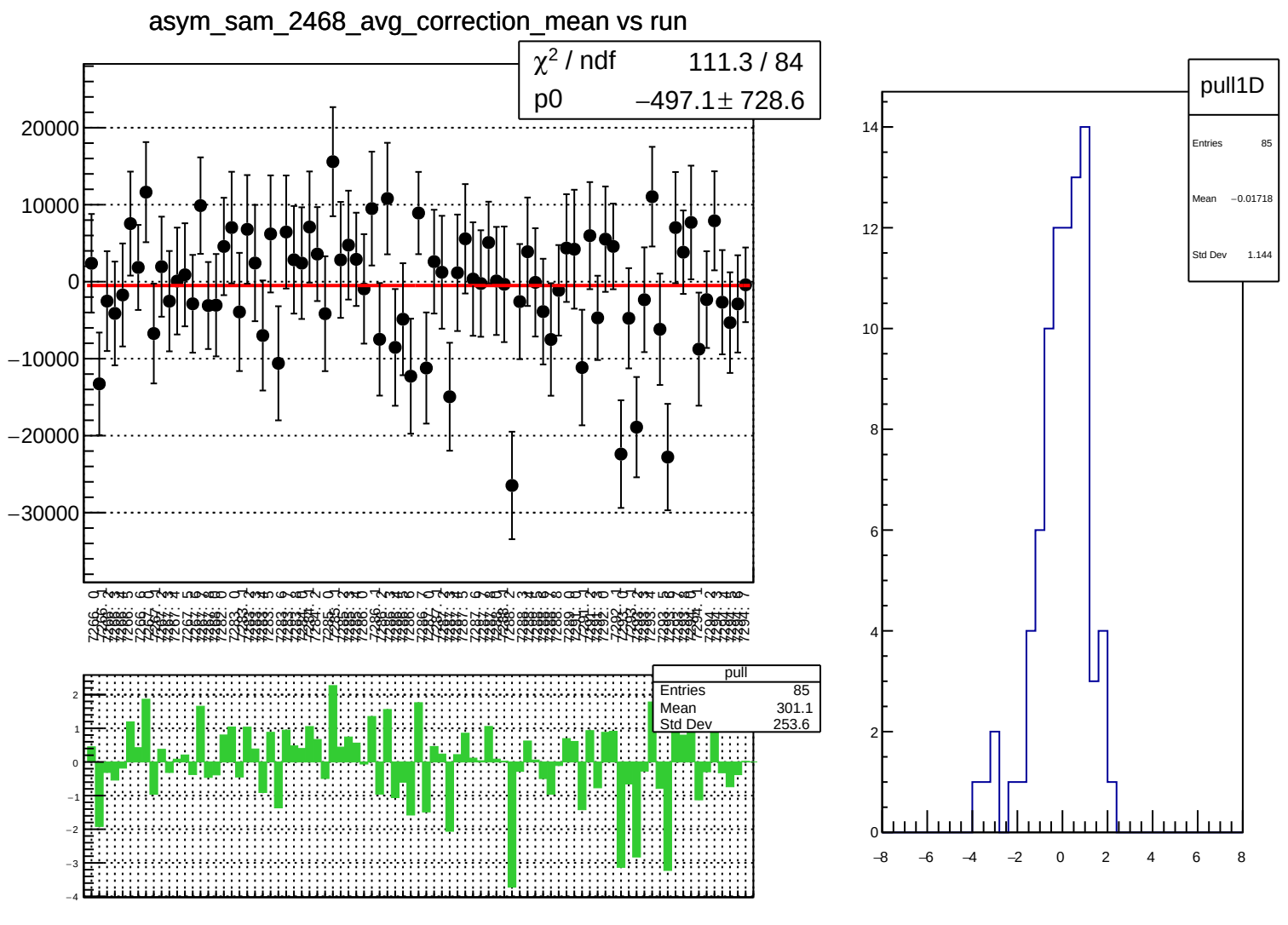
asym_sam_1357_avg_rms vs run

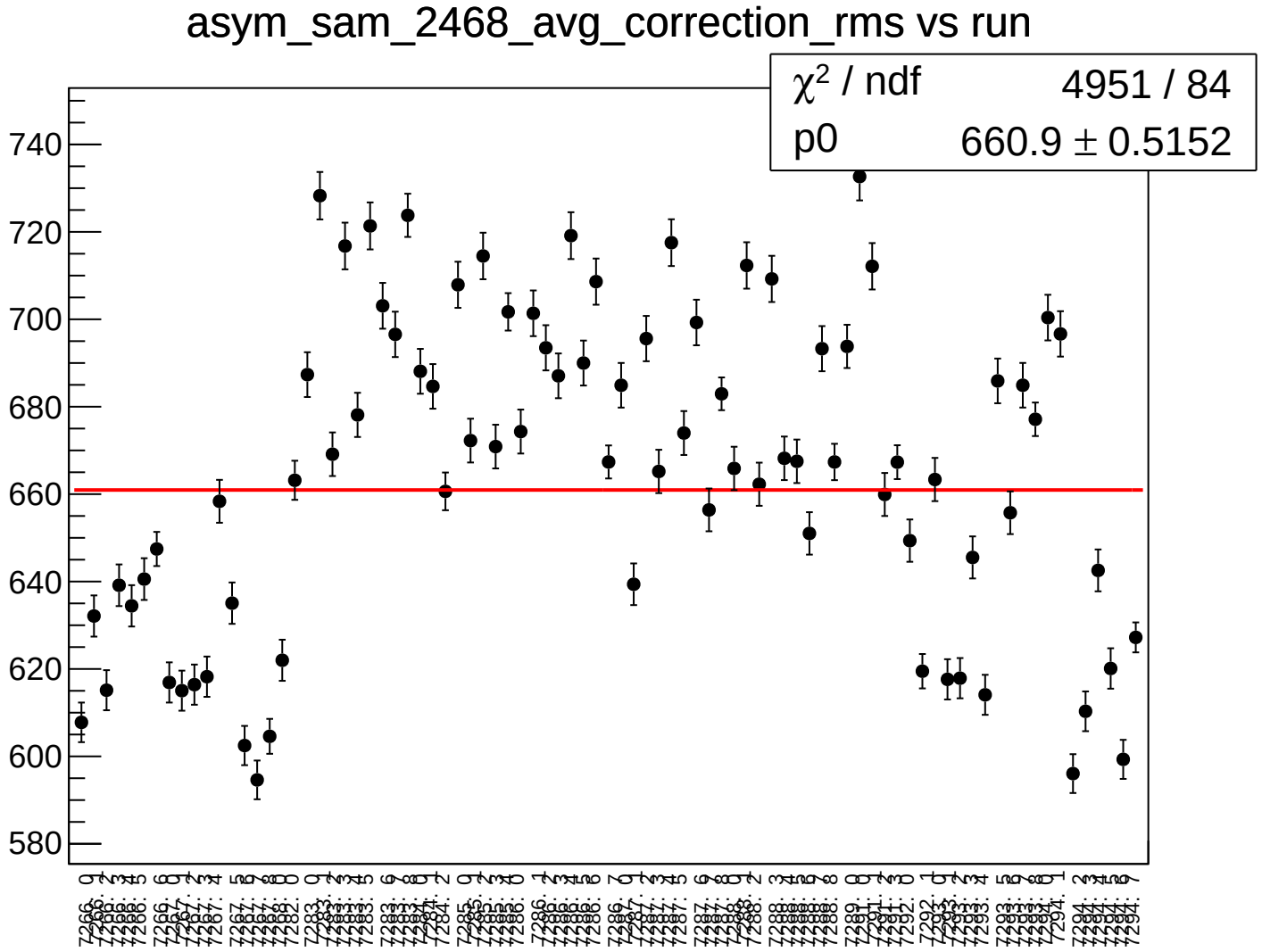


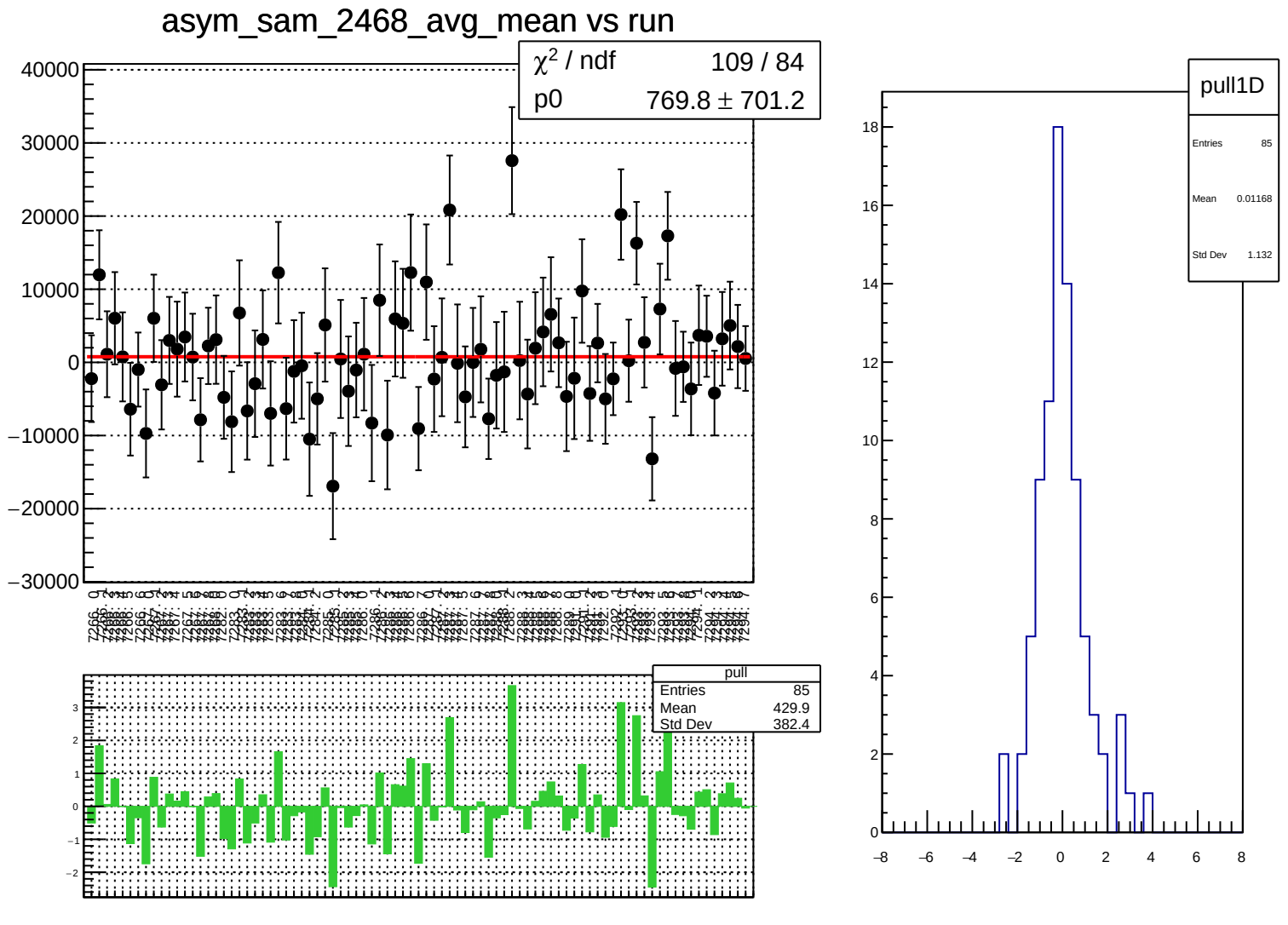

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 67.21 / 84
p0 134.8 ± 226
pull
Entries 85
Mean −68.2
Std Dev 110.9
pull1D
Entries 85
Mean 0.01271
Std Dev 0.8891

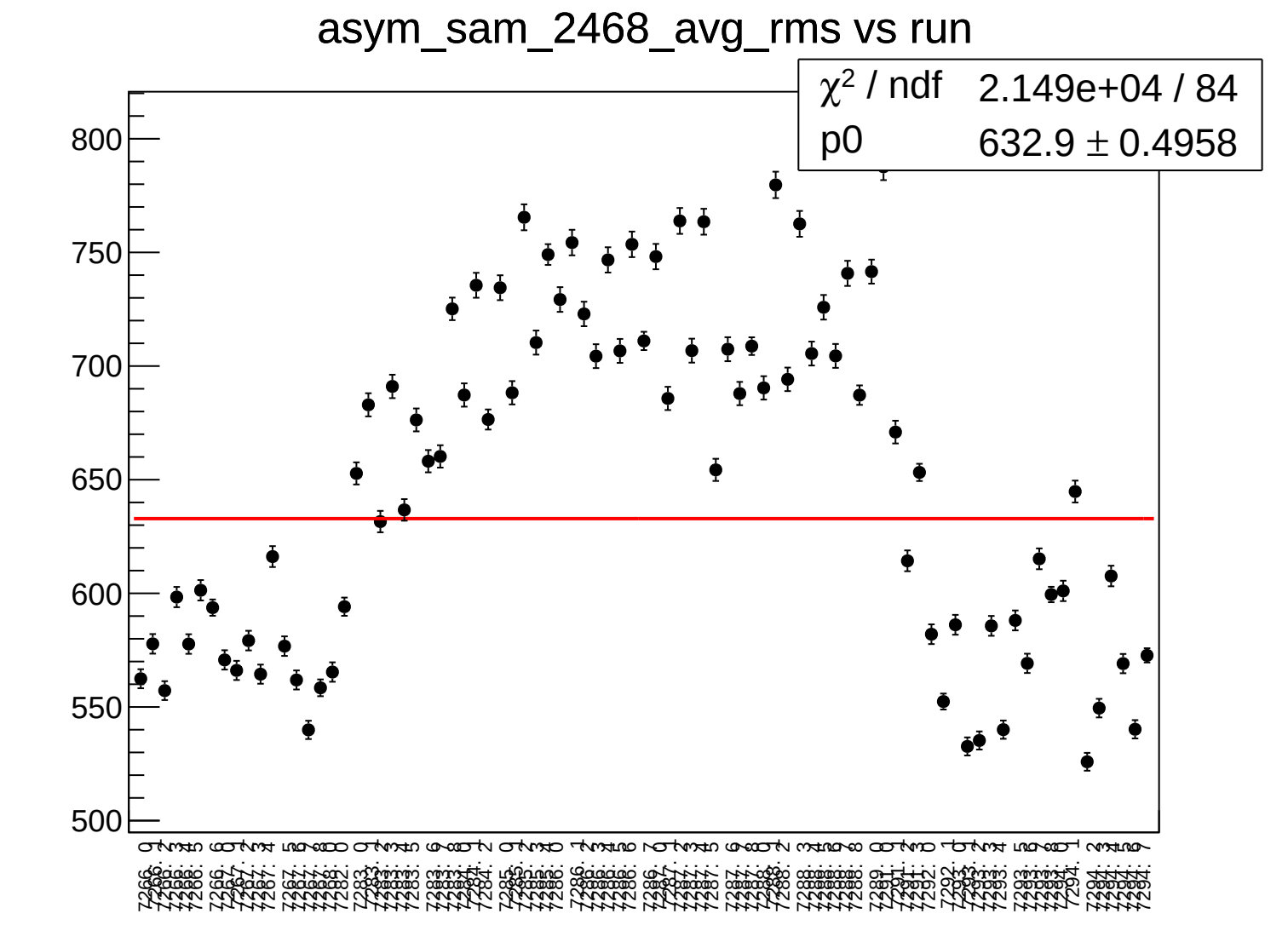
dit_asym_sam_2468_avg_rms vs run

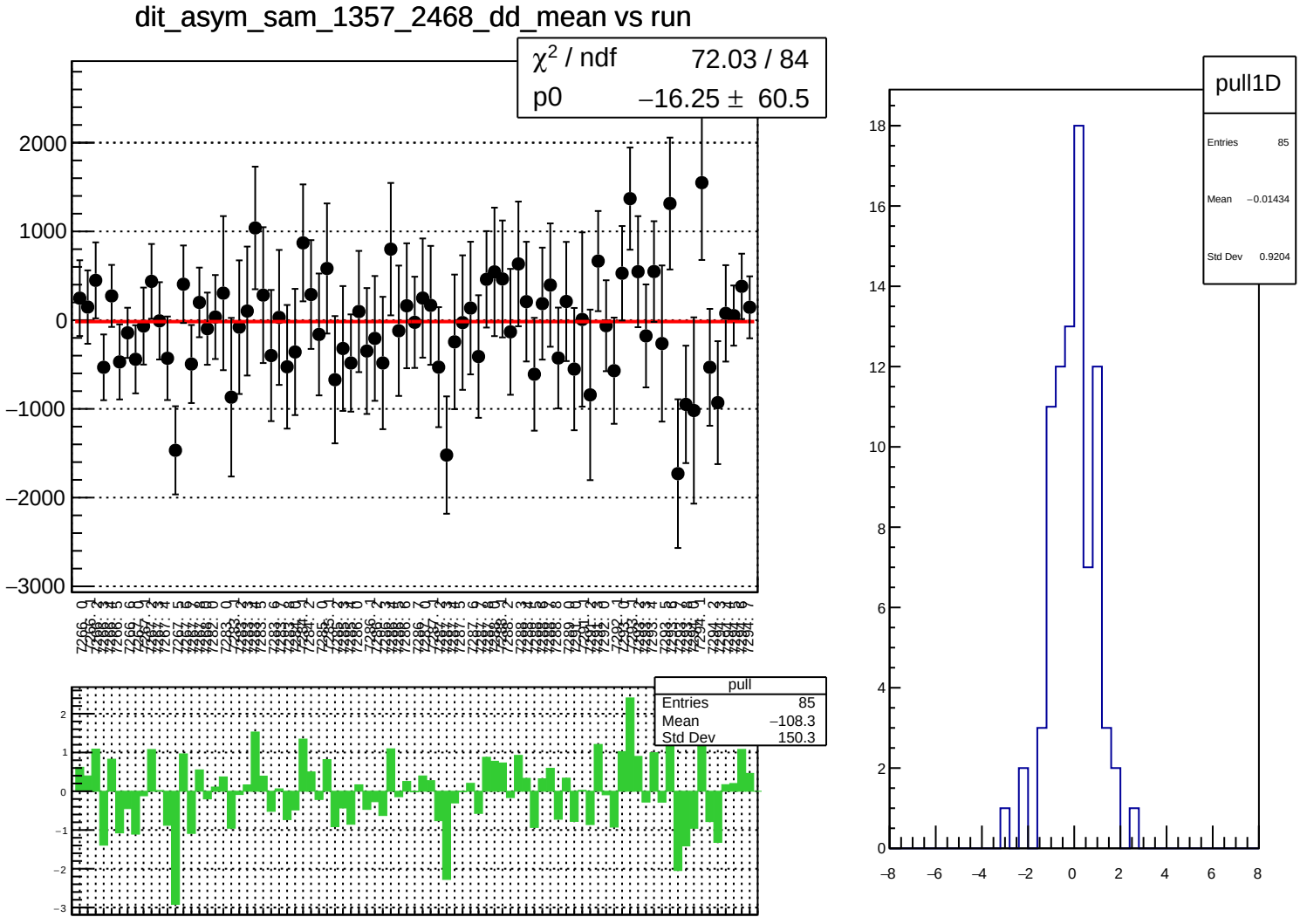



asym_sam_2468_avg_correction_mean vs run
χ² / ndf 111.3 / 84
p0 −497.1 ± 728.6
pull
Entries 85
Mean 301.1
Std Dev 253.6
pull1D
Entries 85
Mean −0.01718
Std Dev 1.144

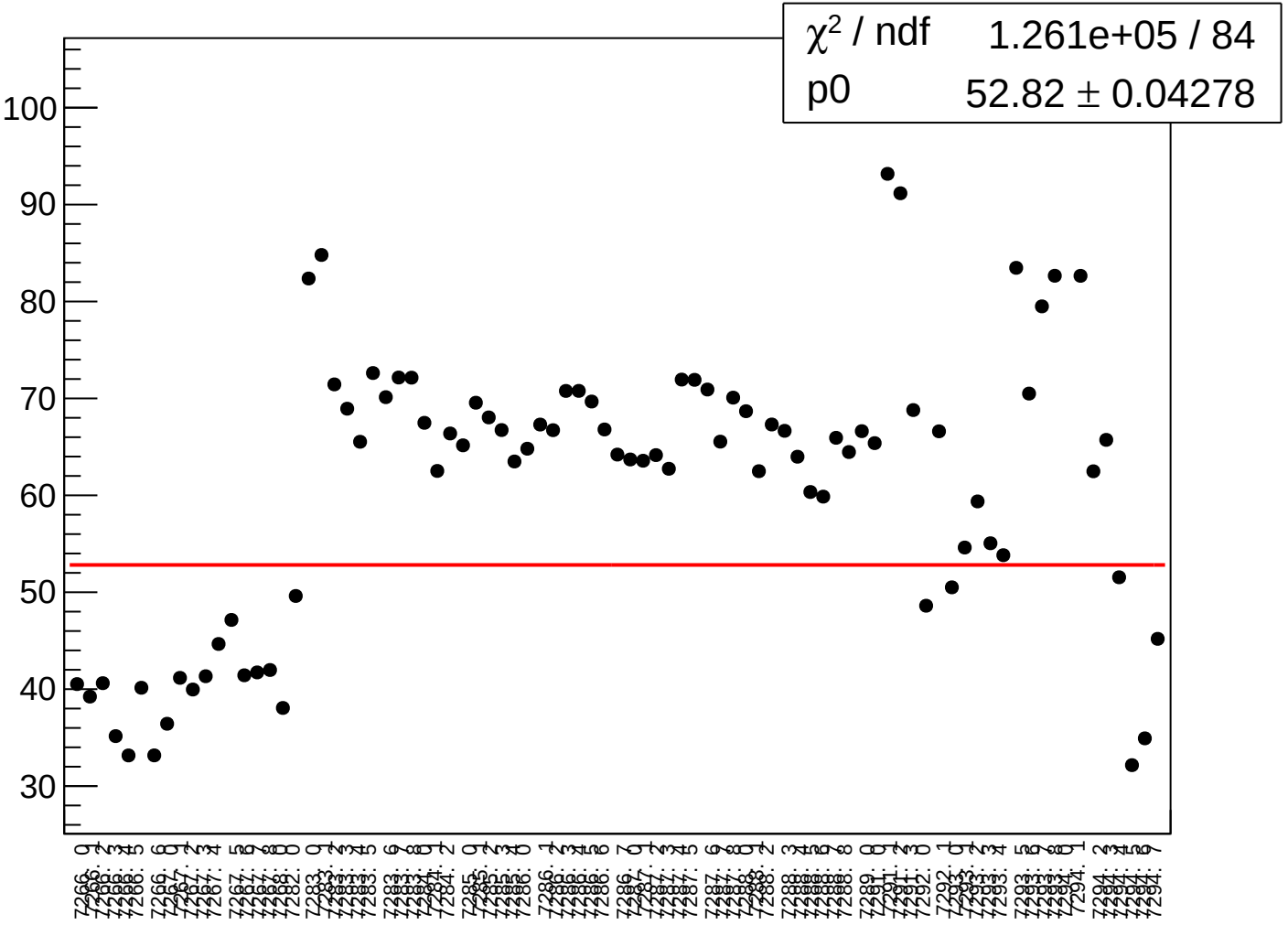

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 4951 / 84
p0 660.9 ± 0.5152
740
720
700
680
660
640
620
600
580

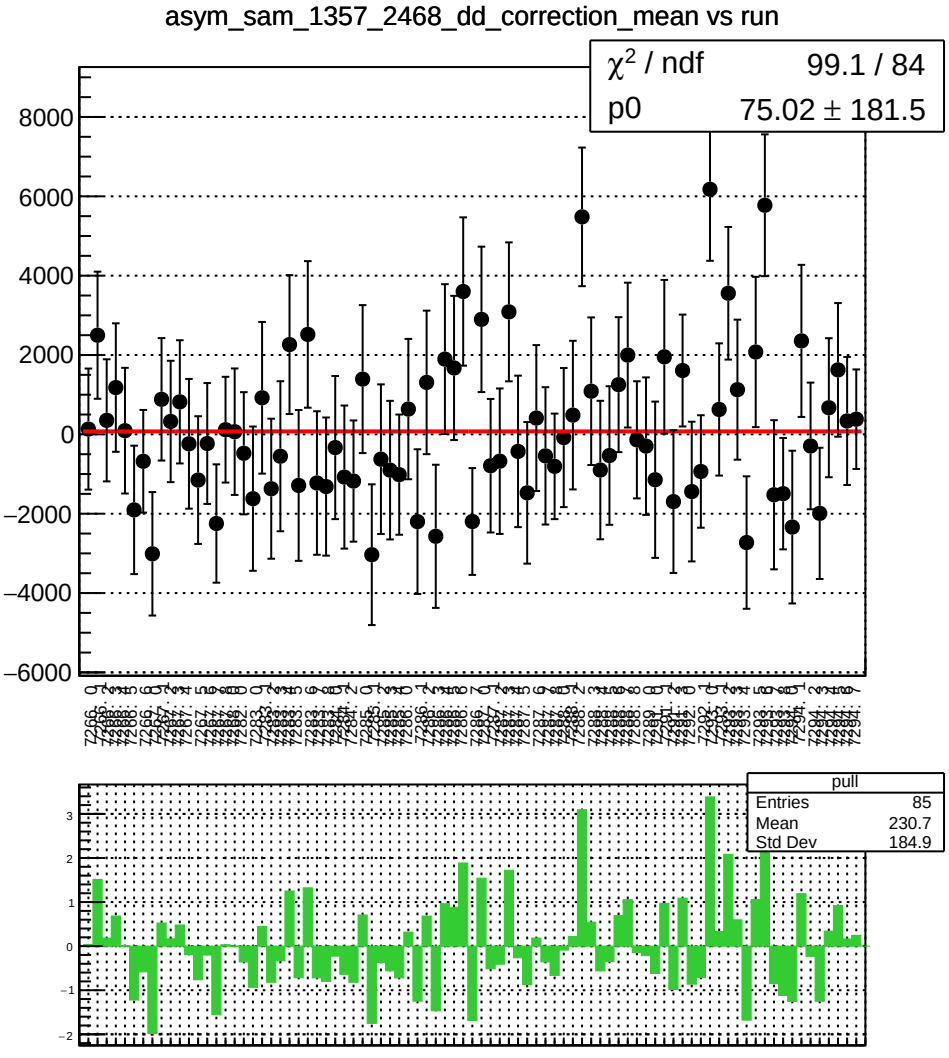

asym_sam_2468_avg_mean vs run
χ² / ndf 109 / 84
p0 769.8 ± 701.2
pull
Entries 85
Mean 429.9
Std Dev 382.4
pull1D
Entries 85
Mean 0.01168
Std Dev 1.132

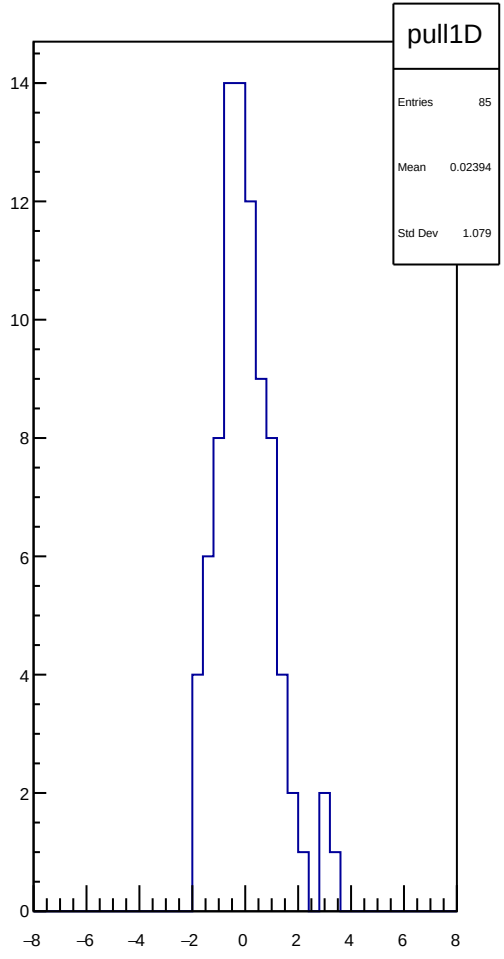

asym_sam_2468_avg_rms vs run
χ^2 / ndf 2.149e+04 / 84
p0 632.9 ± 0.4958
800
750
700
650
600
550
500

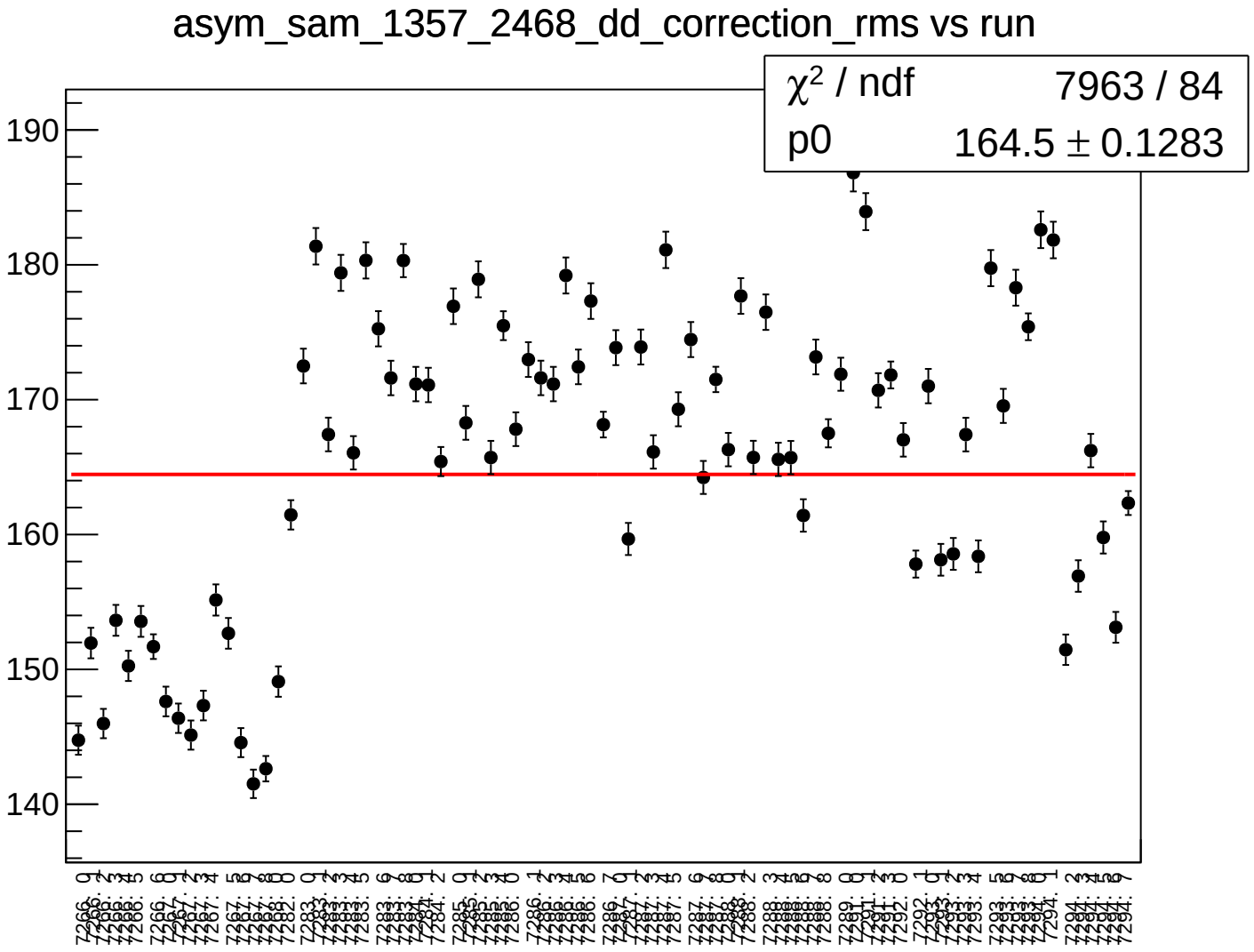

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 72.03 / 84
p0 −16.25 ± 60.5
pull
Entries 85
Mean −108.3
Std Dev 150.3
pull1D
Entries 85
Mean −0.01434
Std Dev 0.9204

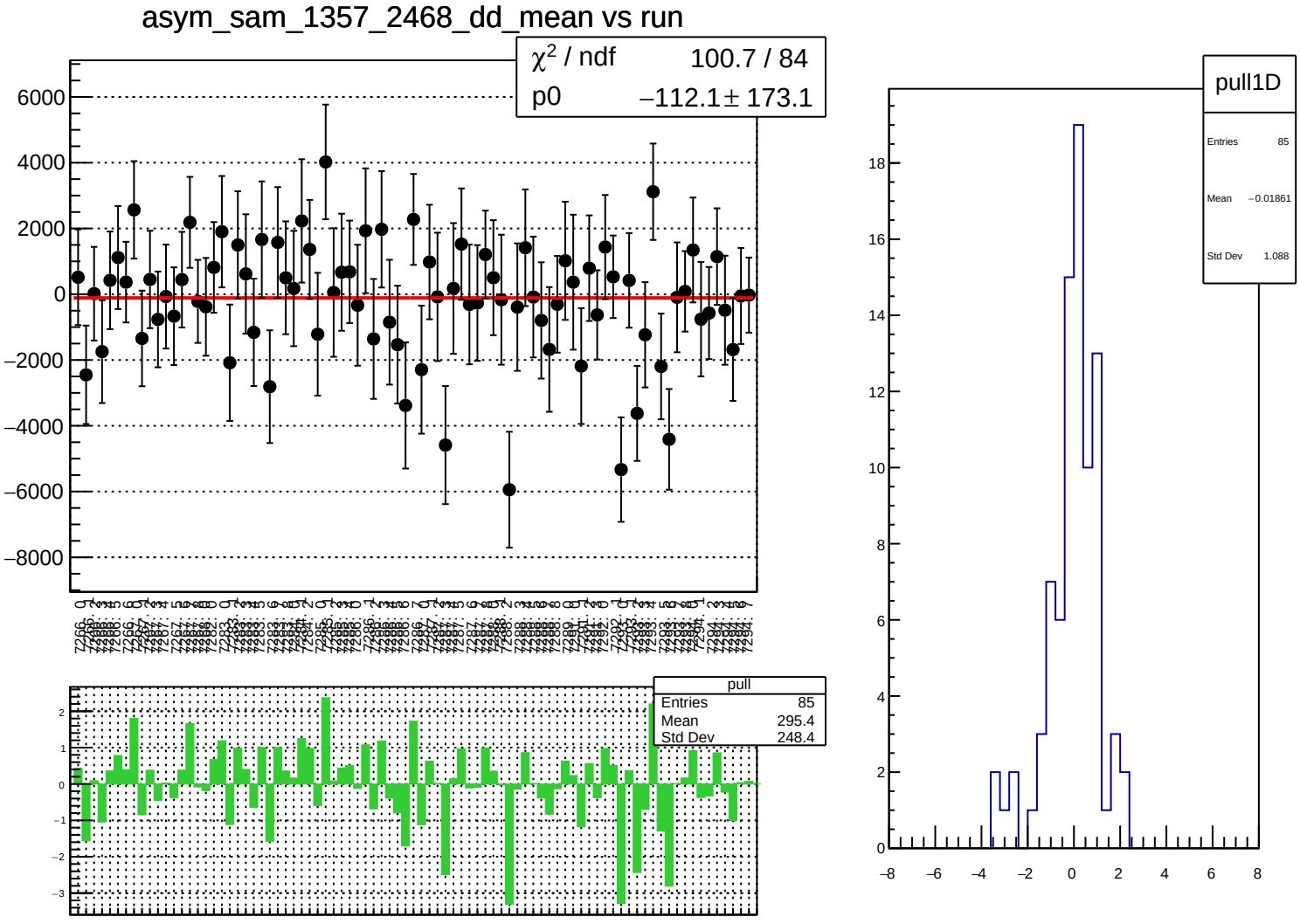
dit_asym_sam_1357_2468_dd_rms vs run



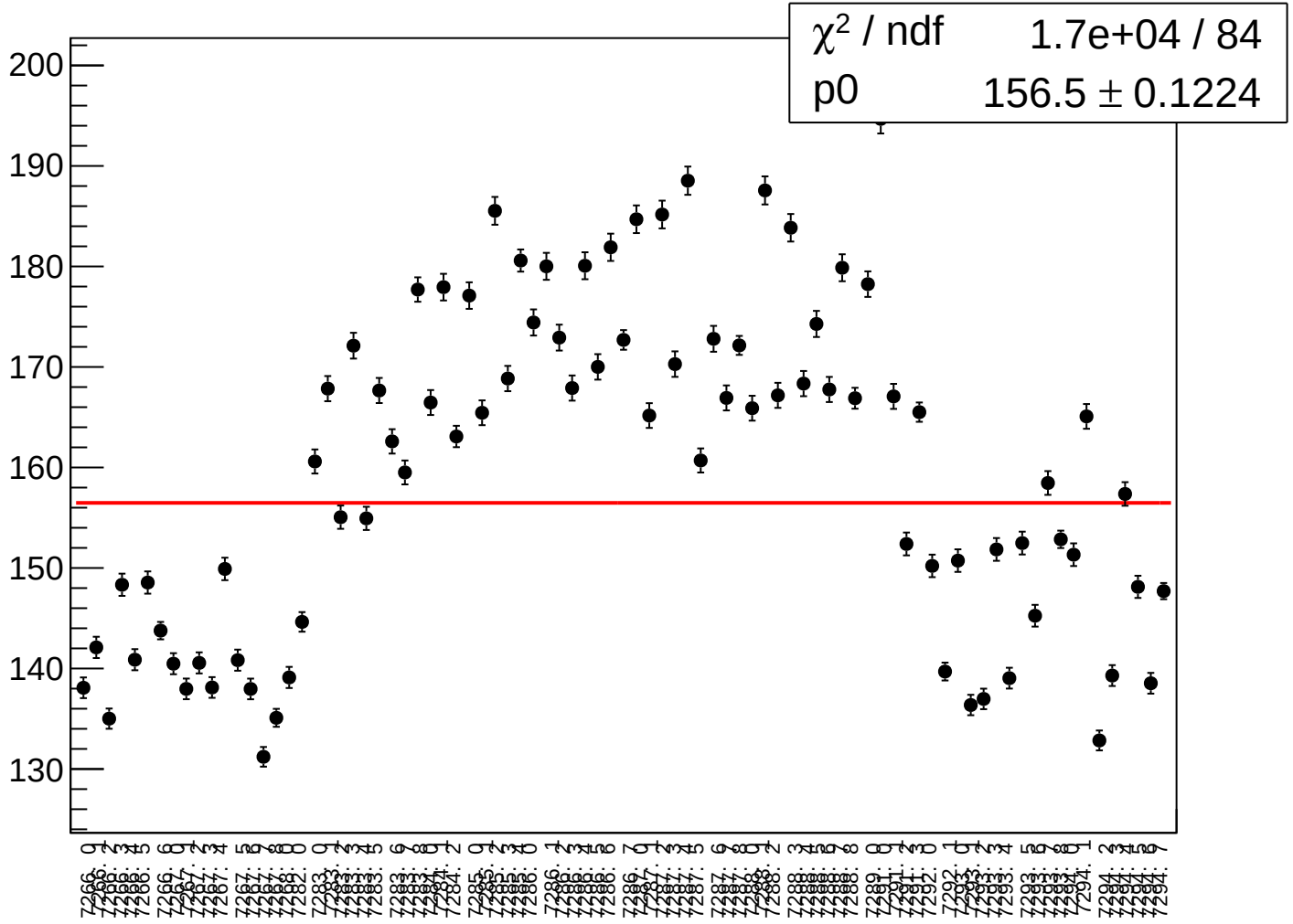

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 99.1 / 84
p0 75.02 ± 181.5
pull
Entries 85
Mean 230.7
Std Dev 184.9

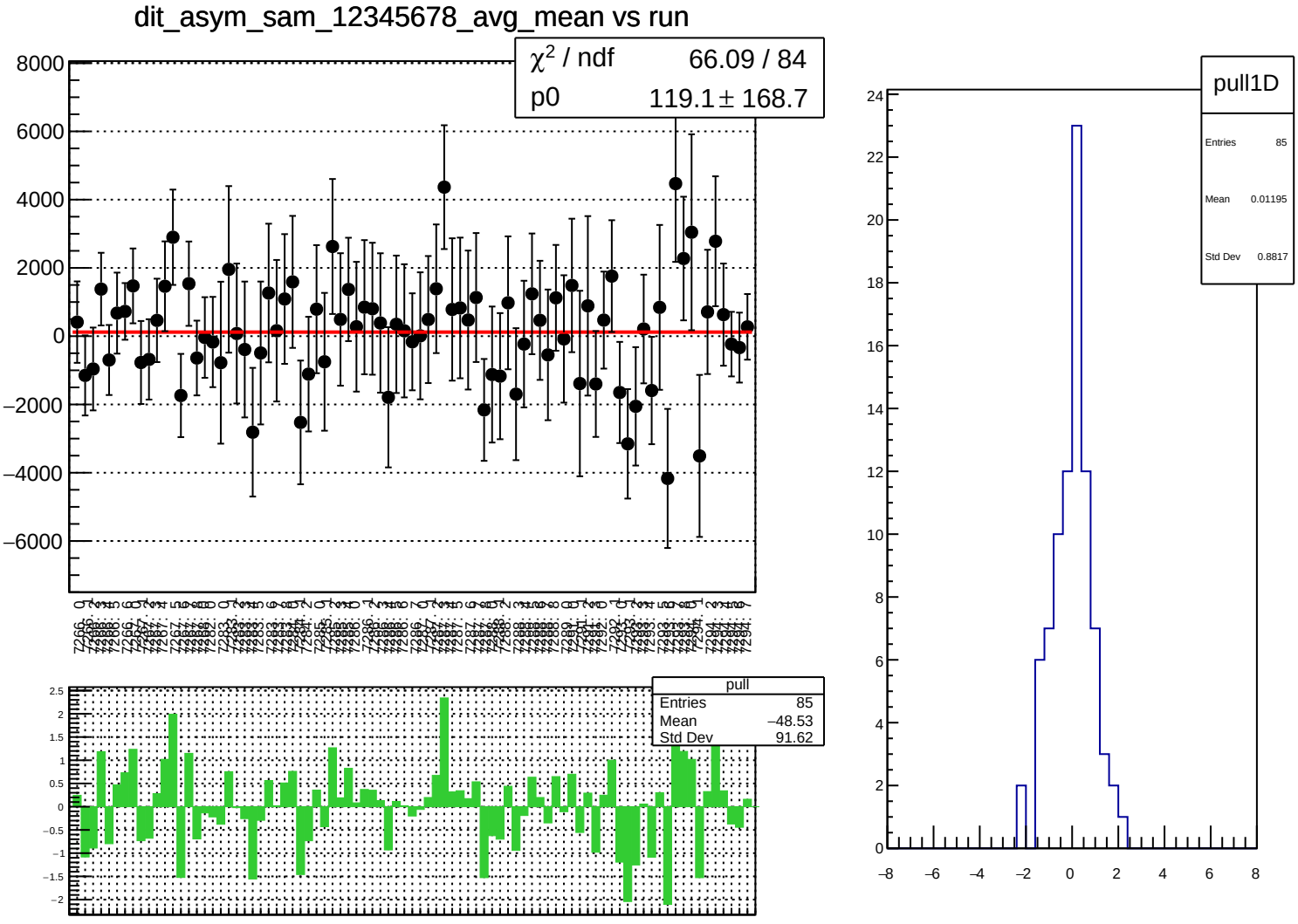

pull1D
Entries 85
Mean 0.02394
Std Dev 1.079

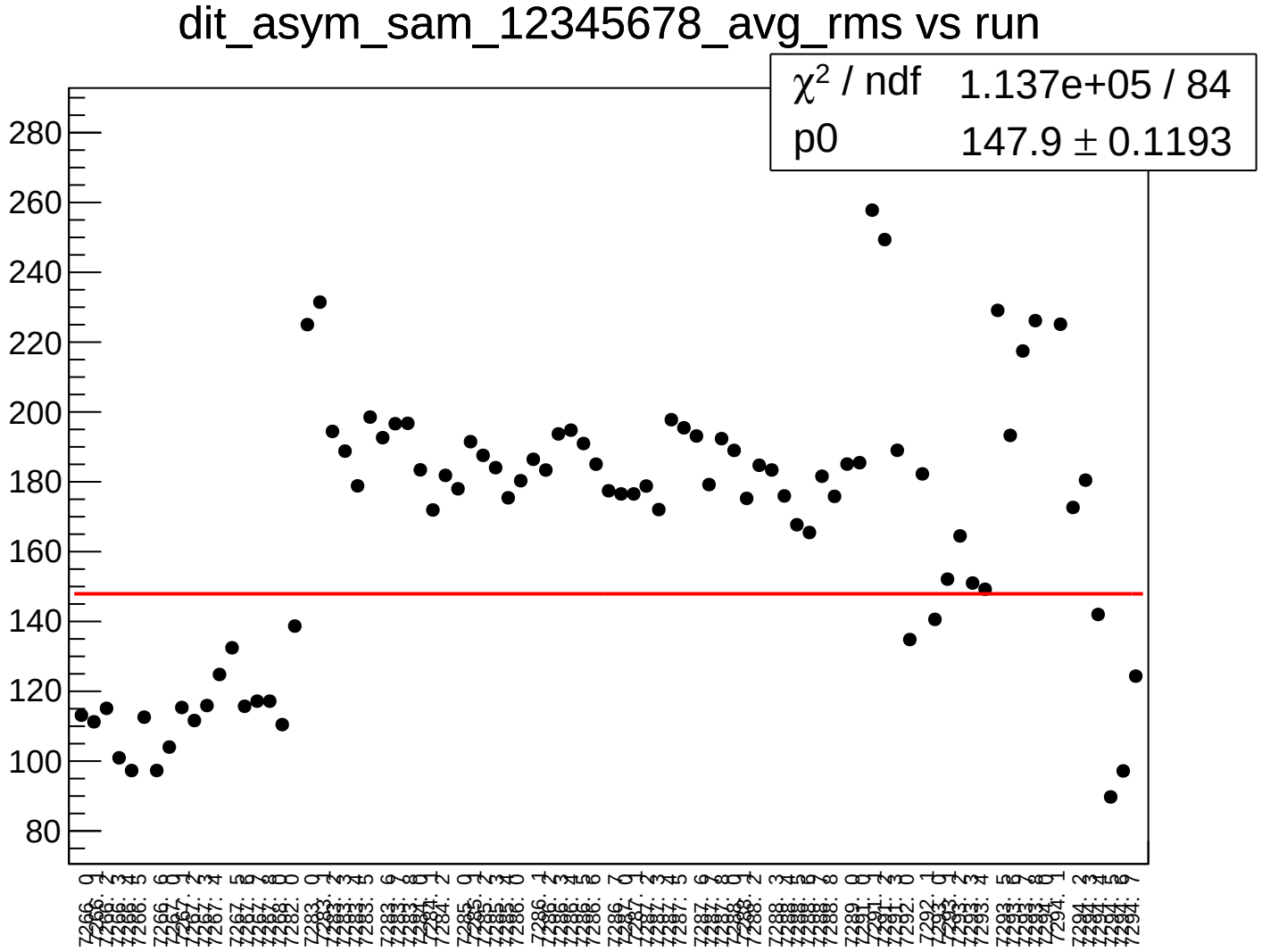

asym_sam_1357_2468_dd_correction_rms vs run
χ2 / ndf 7963 / 84
p0 164.5 ± 0.1283
190
180
170
160
150
140

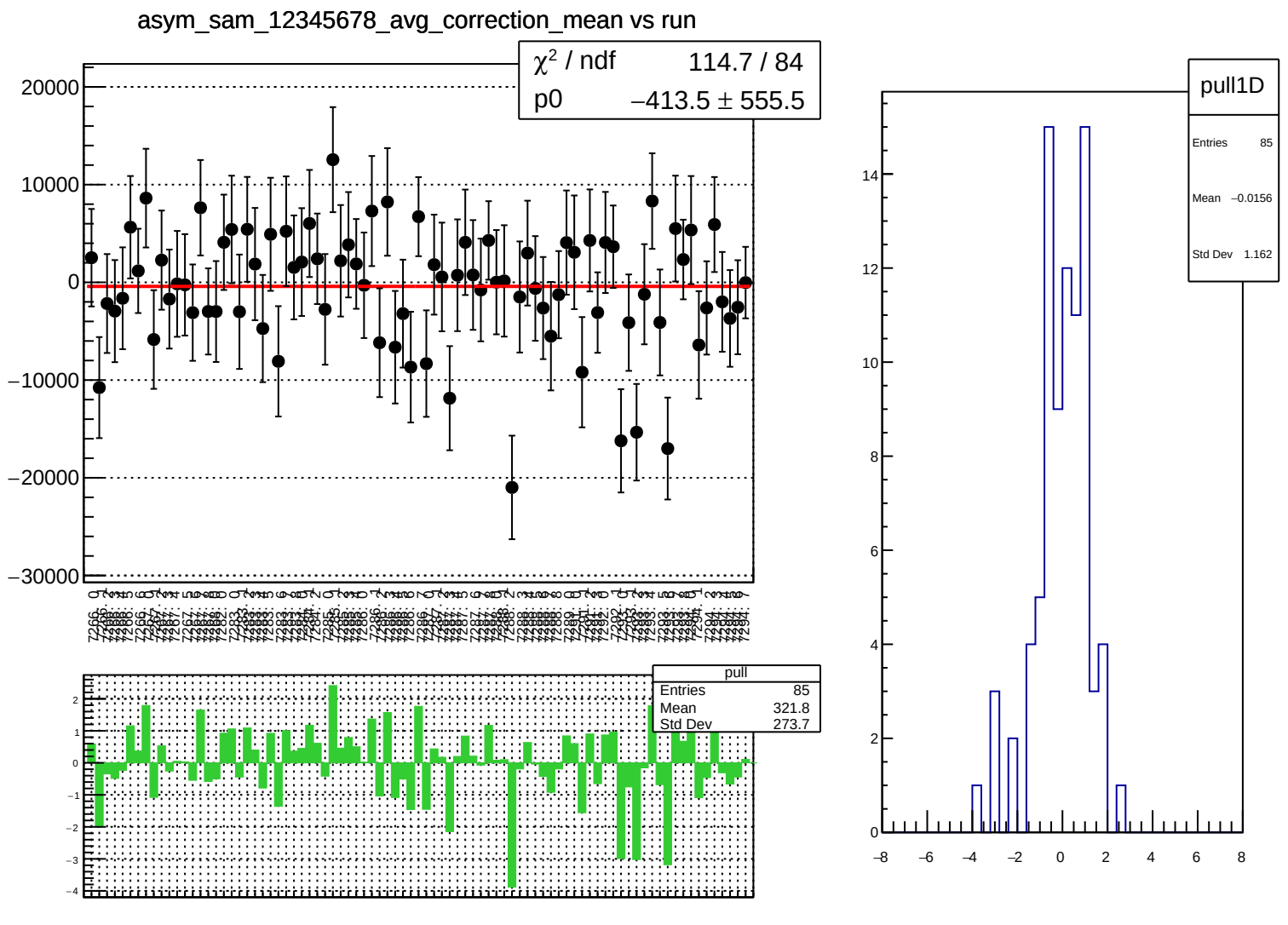

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 100.7 / 84
p0 −112.1 ± 173.1
pull
Entries 85
Mean 295.4
Std Dev 248.4
pull1D
Entries 85
Mean −0.01861
Std Dev 1.088

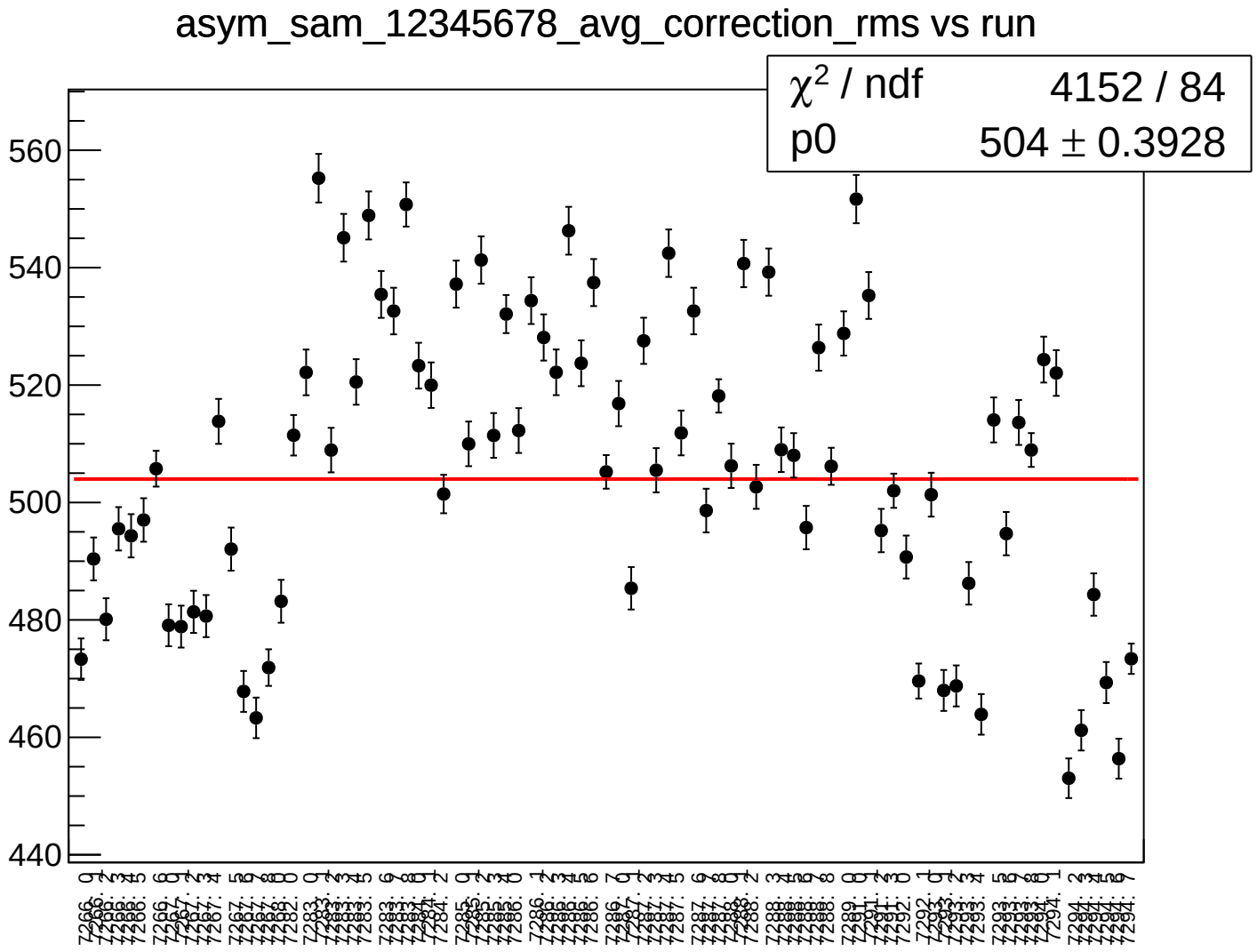
asym_sam_1357_2468_dd_rms vs run

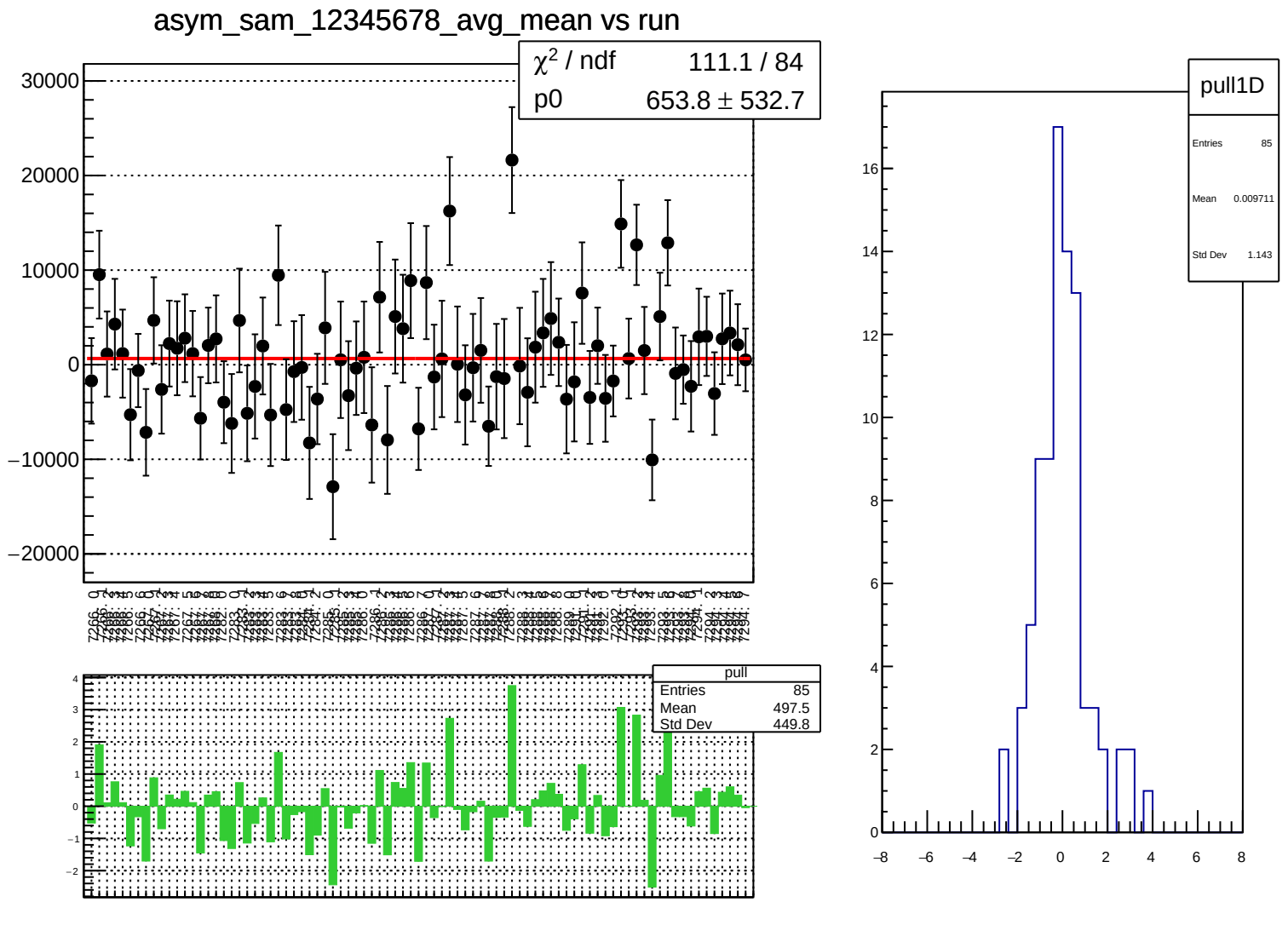



dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 66.09 / 84
p0 119.1 ± 168.7
pull
Entries 85
Mean −48.53
Std Dev 91.62
pull1D
Entries 85
Mean 0.01195
Std Dev 0.8817

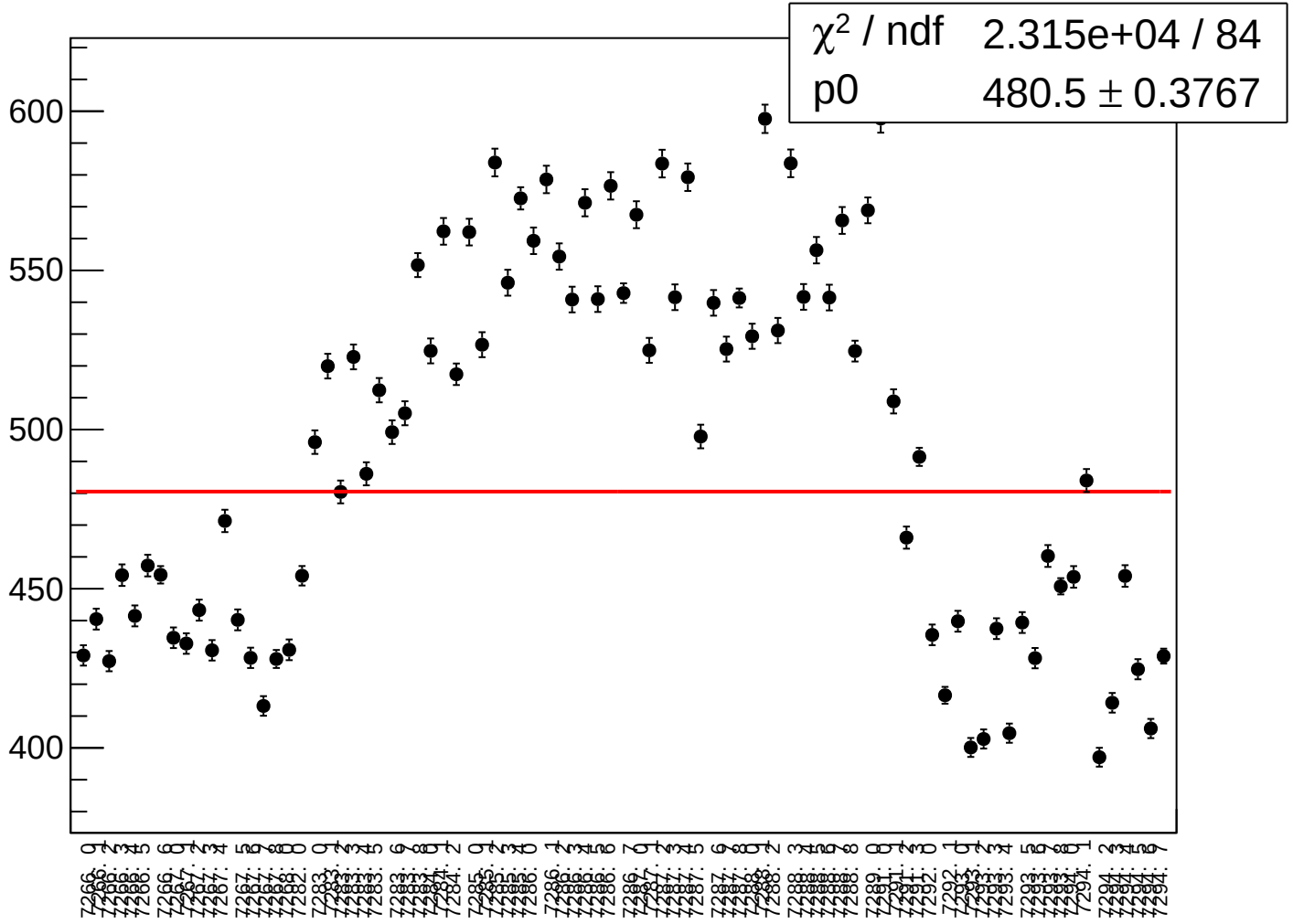

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.137e+05 / 84
p0 147.9 ± 0.1193
280
260
240
220
200
180
160
140
120
100
80

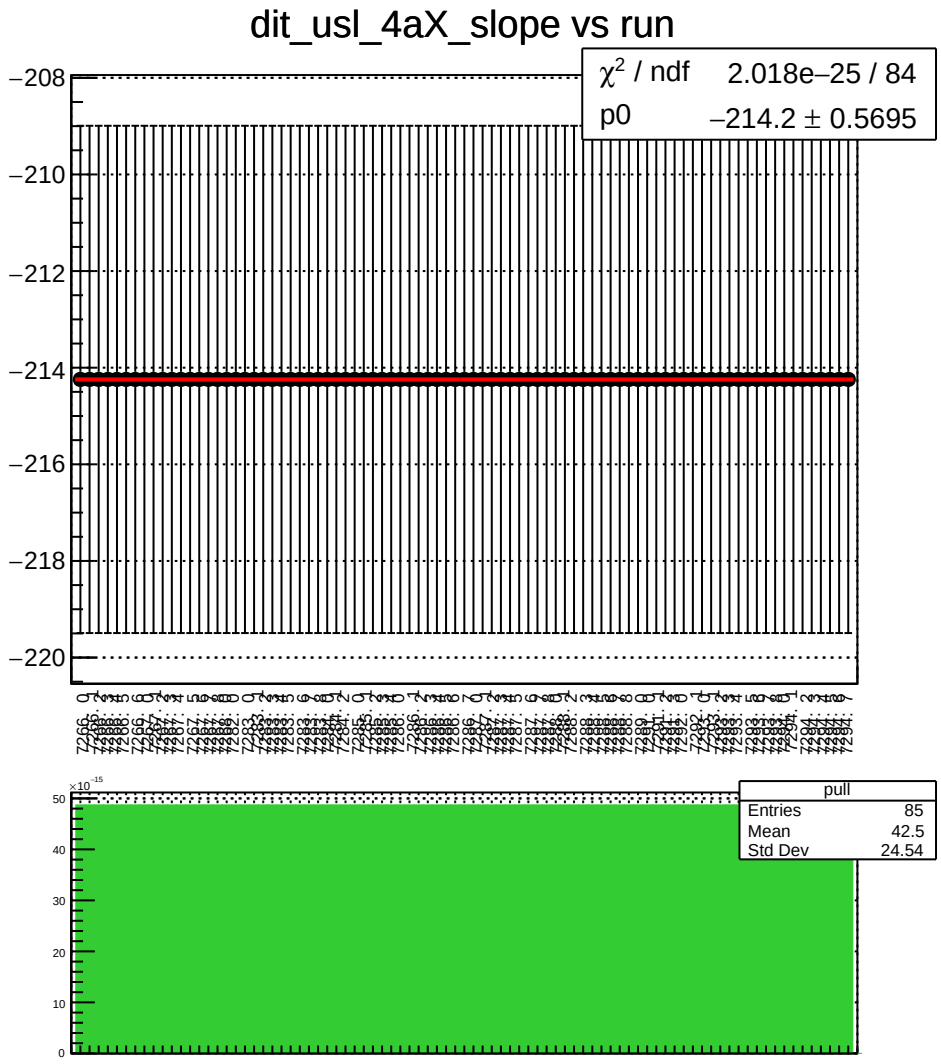

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 114.7 / 84
p0 −413.5 ± 555.5
pull
Entries 85
Mean 321.8
Std Dev 273.7
pull1D
Entries 85
Mean −0.0156
Std Dev 1.162

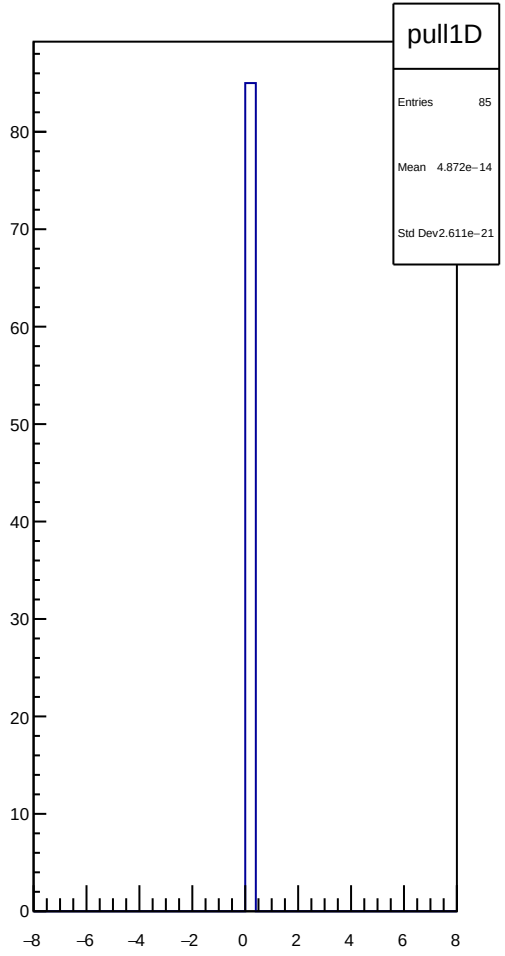

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 4152 / 84
p0 504 ± 0.3928
560
540
520
500
480
460
440

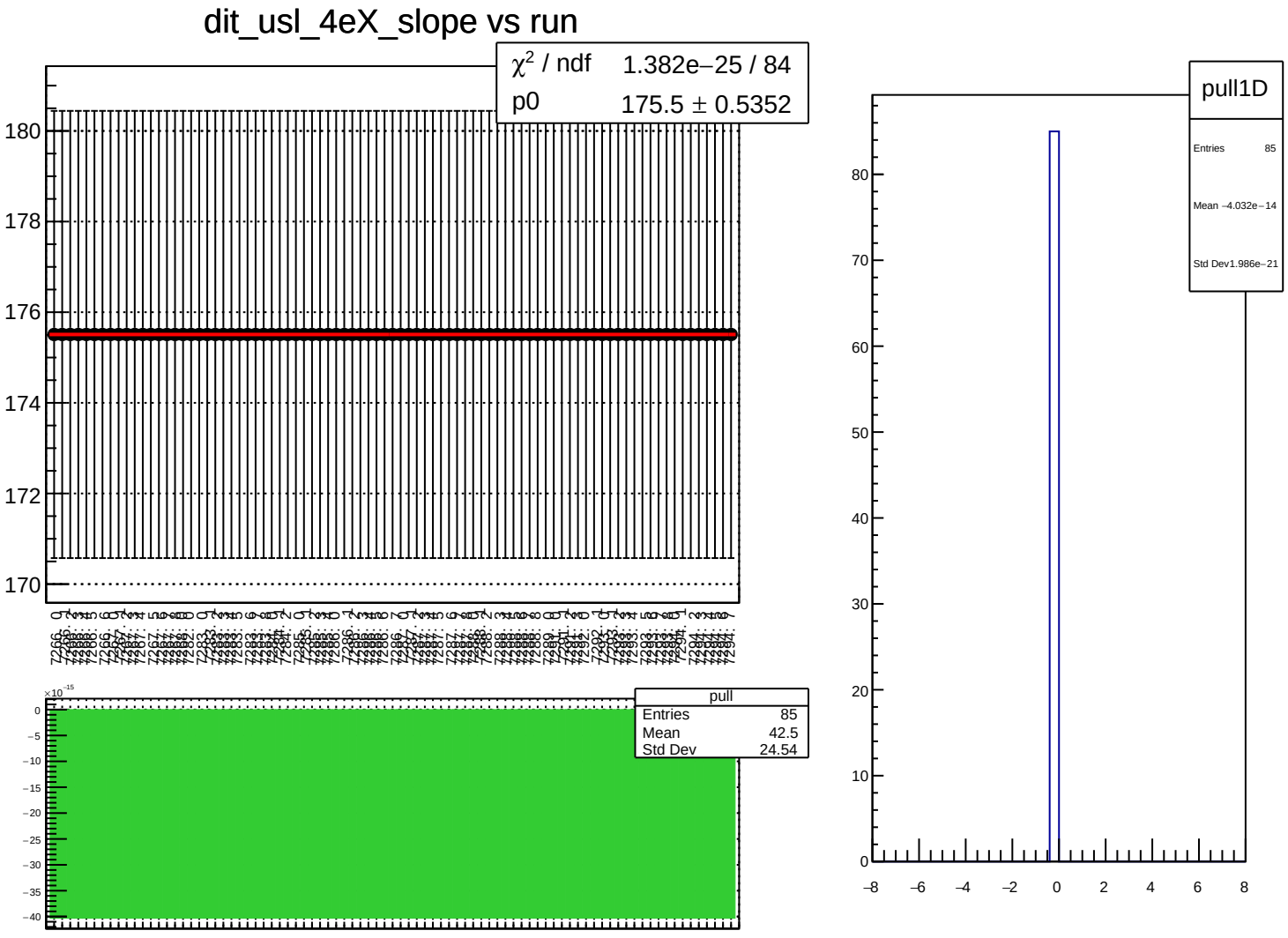

asym_sam_12345678_avg_mean vs run
χ² / ndf 111.1 / 84
p0 653.8 ± 532.7
pull
Entries 85
Mean 497.5
Std Dev 449.8
pull1D
Entries 85
Mean 0.009711
Std Dev 1.143

asym_sam_12345678_avg_rms vs run

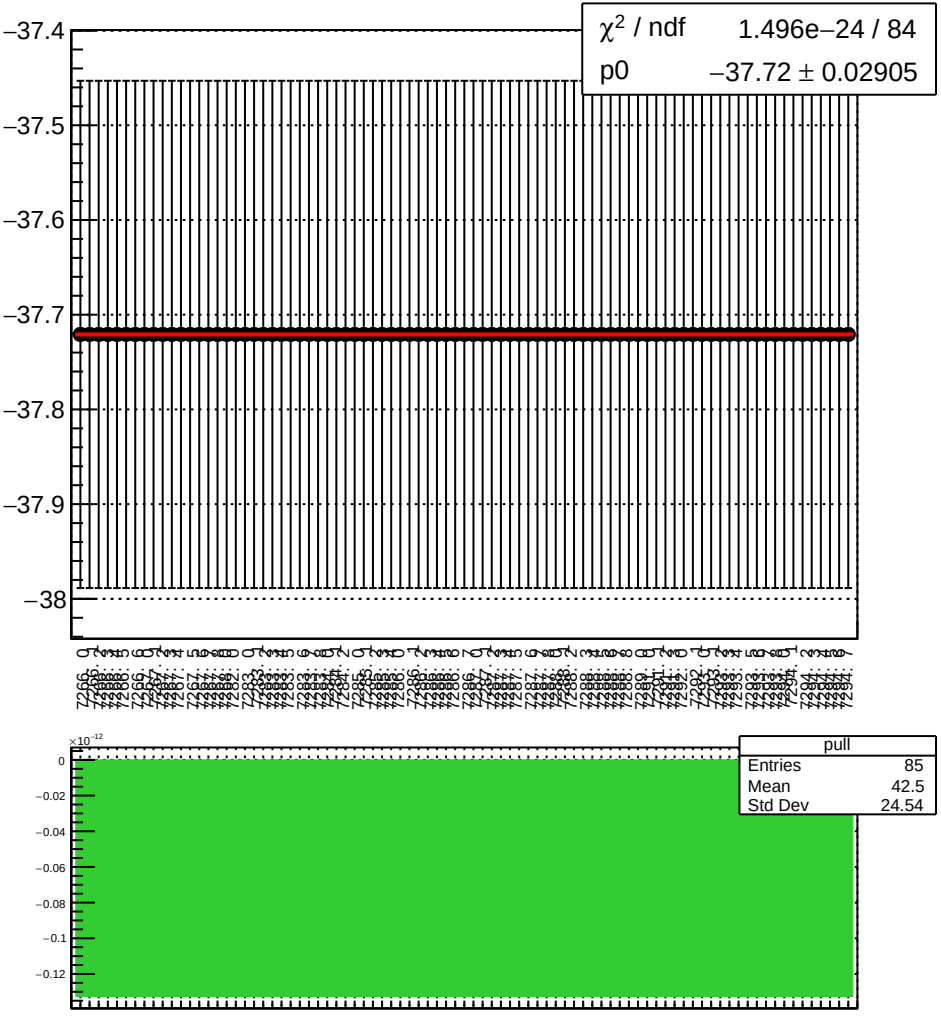


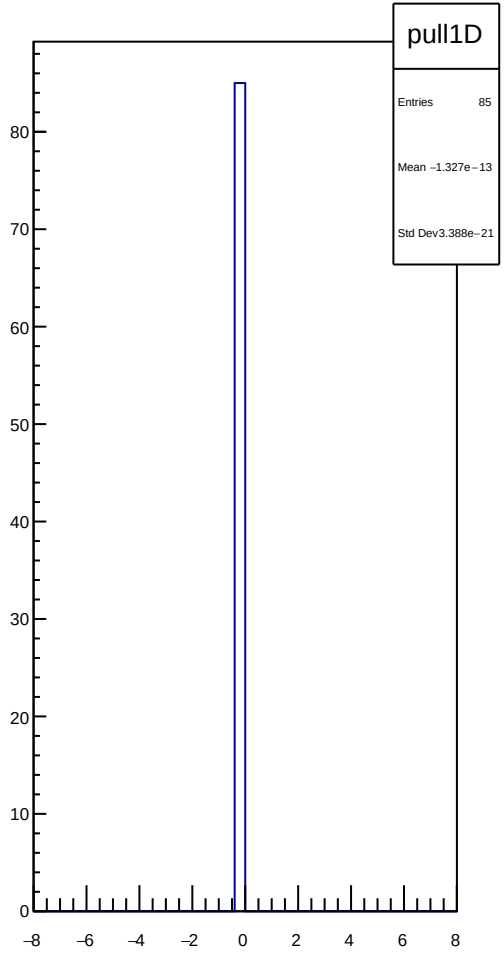

dit_usl_4aX_slope vs run
χ^2 / ndf 2.018e−25 / 84
p0 −214.2 ± 0.5695
−208
−210
−212
−214
−216
−218
−220
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
50
40
30
20
10
0

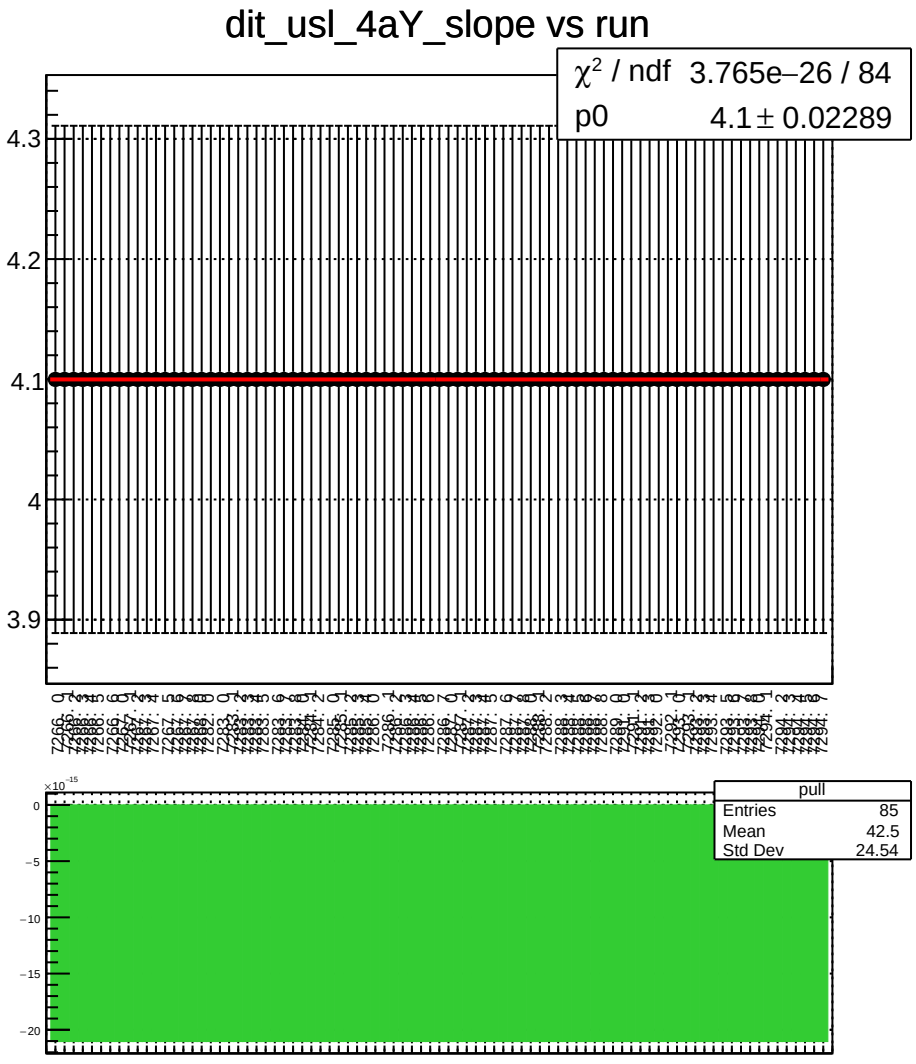

pull1D
Entries 85
Mean 4.872e−14
Std Dev 2.611e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

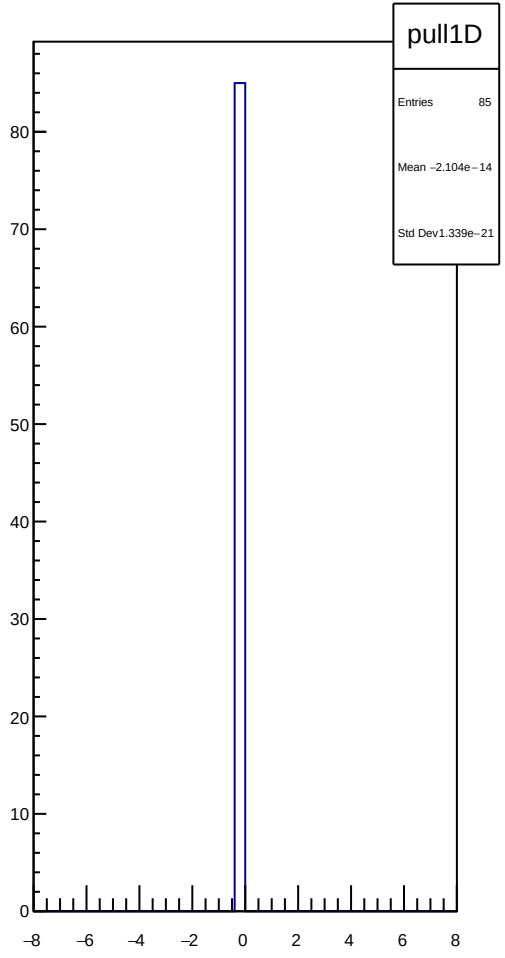

dit_usl_4eX_slope vs run
χ^2 / ndf 1.382e−25 / 84
p0 175.5 ± 0.5352
180
178
176
174
172
170
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 85
Mean −4.032e−14
Std Dev 1.986e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

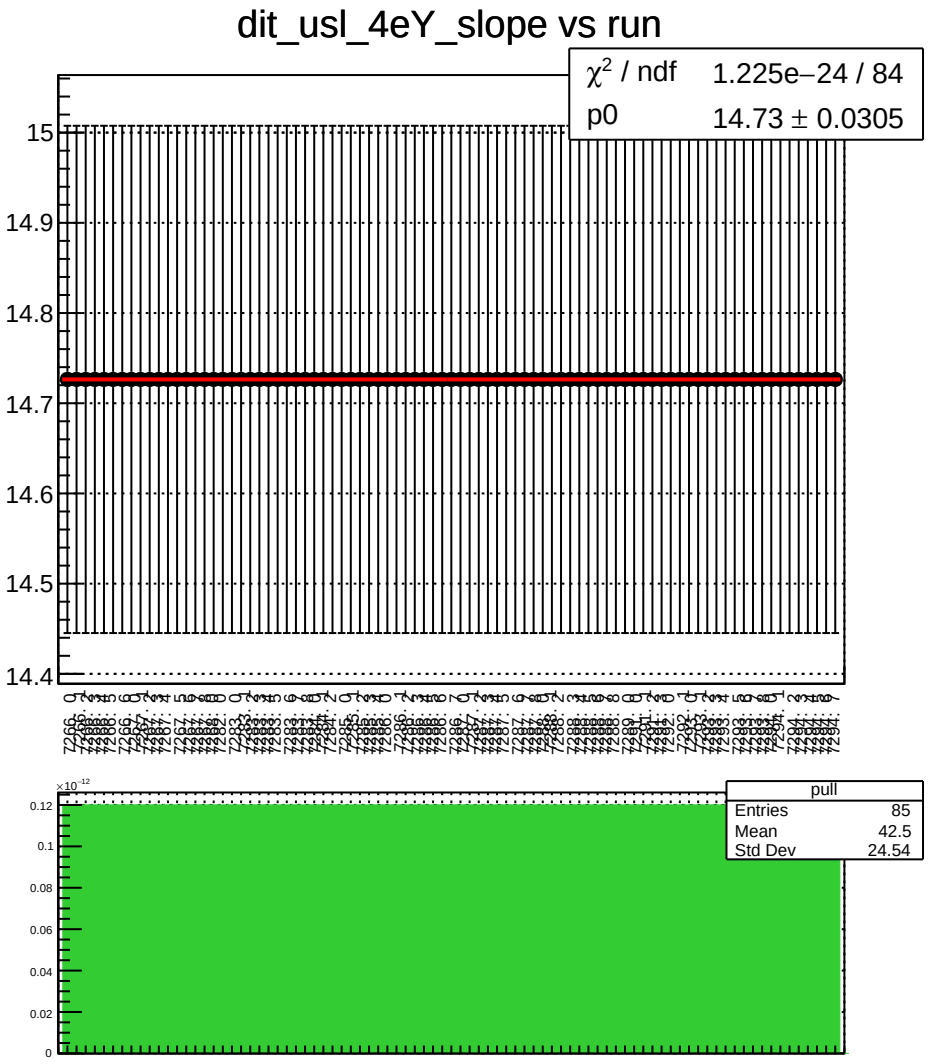
dit_usl_11X12X_slope vs run

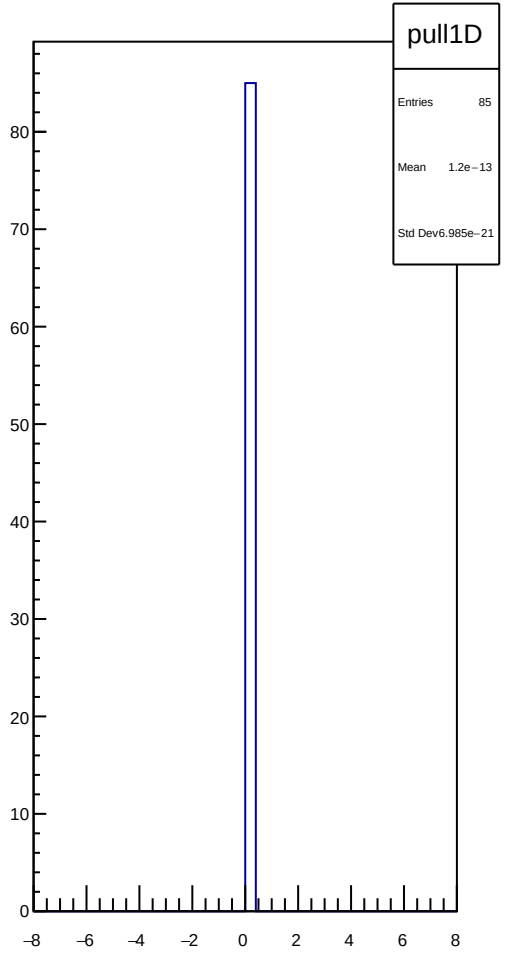


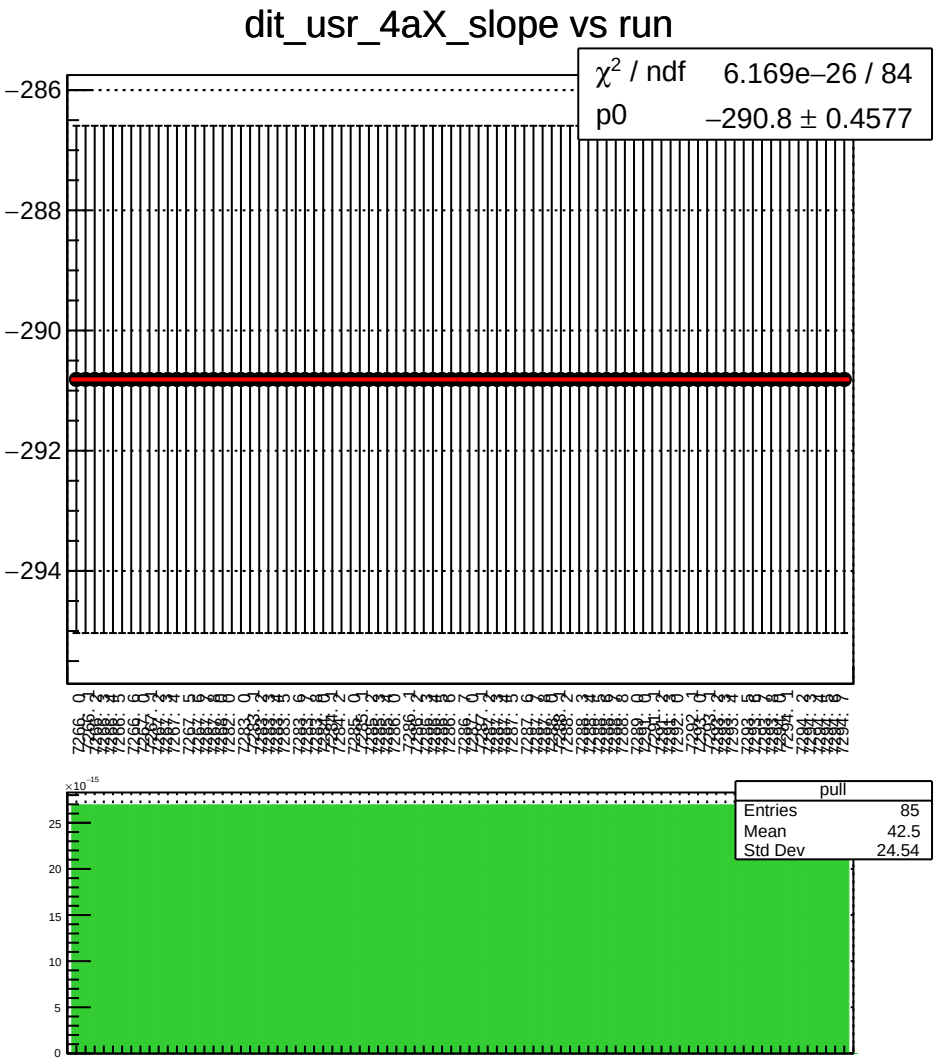


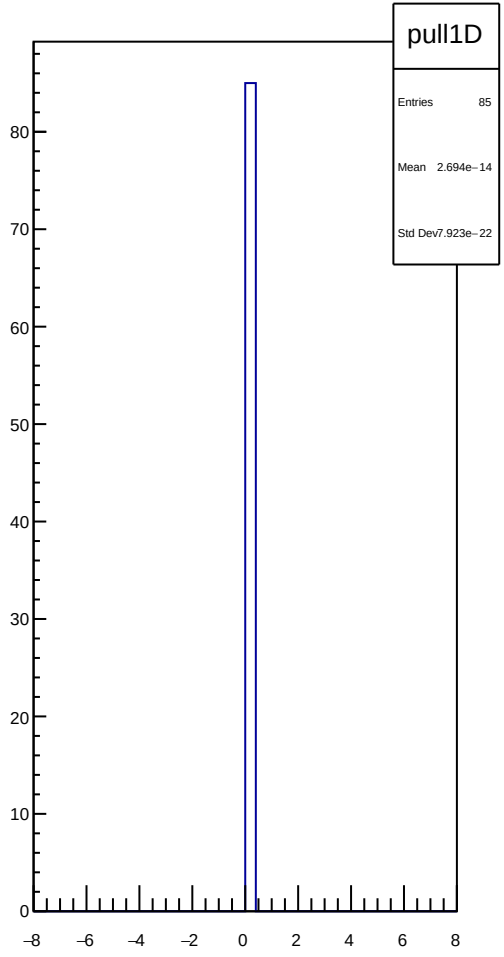

dit_usl_4aY_slope vs run
χ^2 / ndf 3.765e−26 / 84
p0 4.1 ± 0.02289
4.3
4.2
4.1
4
3.9
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−5
−10
−15
−20

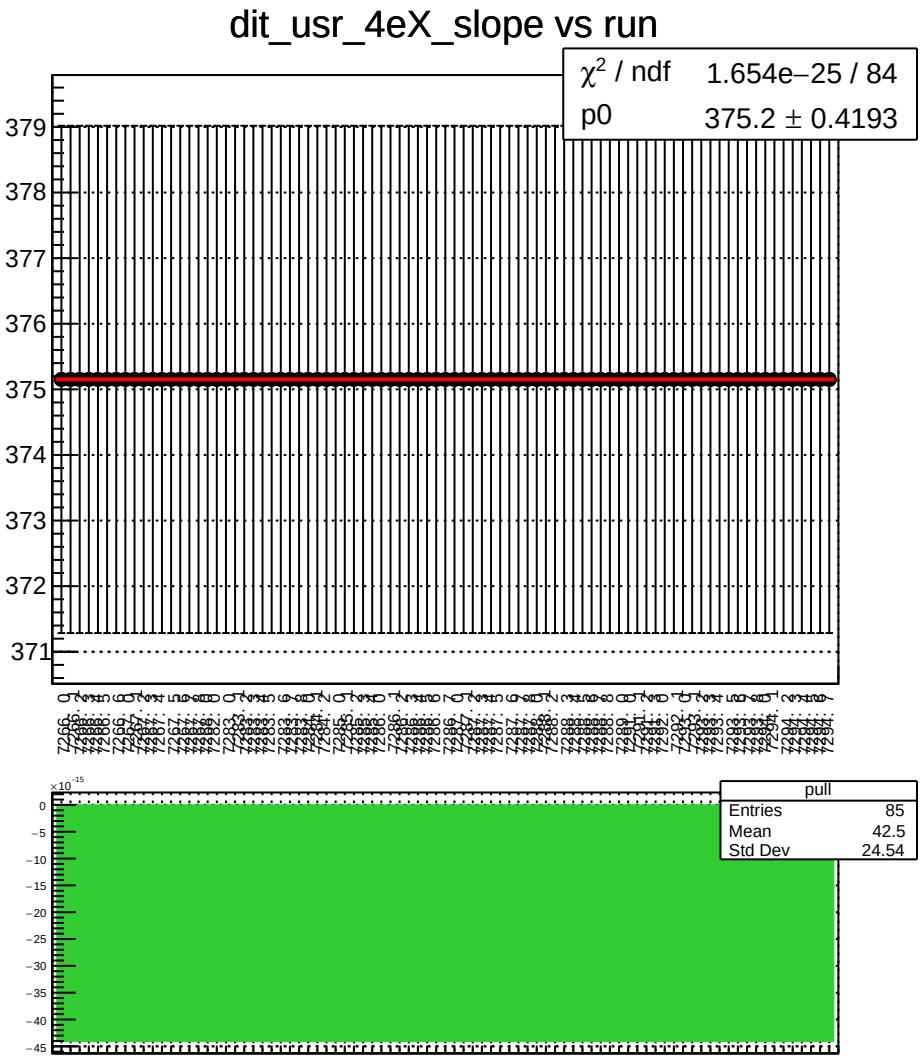

pull1D
Entries 85
Mean −2.104e−14
Std Dev1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

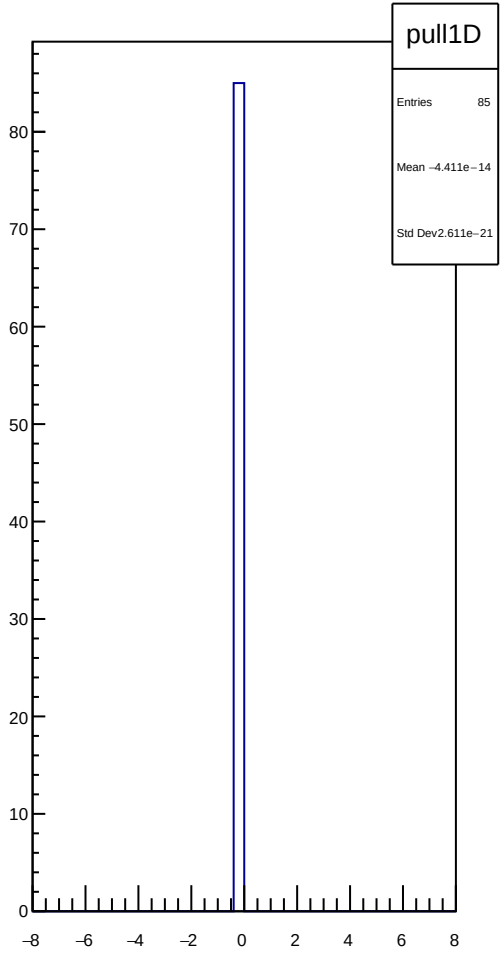

dit_usl_4eY_slope vs run
χ^2 / ndf 1.225e−24 / 84
p0 14.73 ± 0.0305
15
14.9
14.8
14.7
14.6
14.5
14.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-12
0.12
0.1
0.08
0.06
0.04
0.02
0

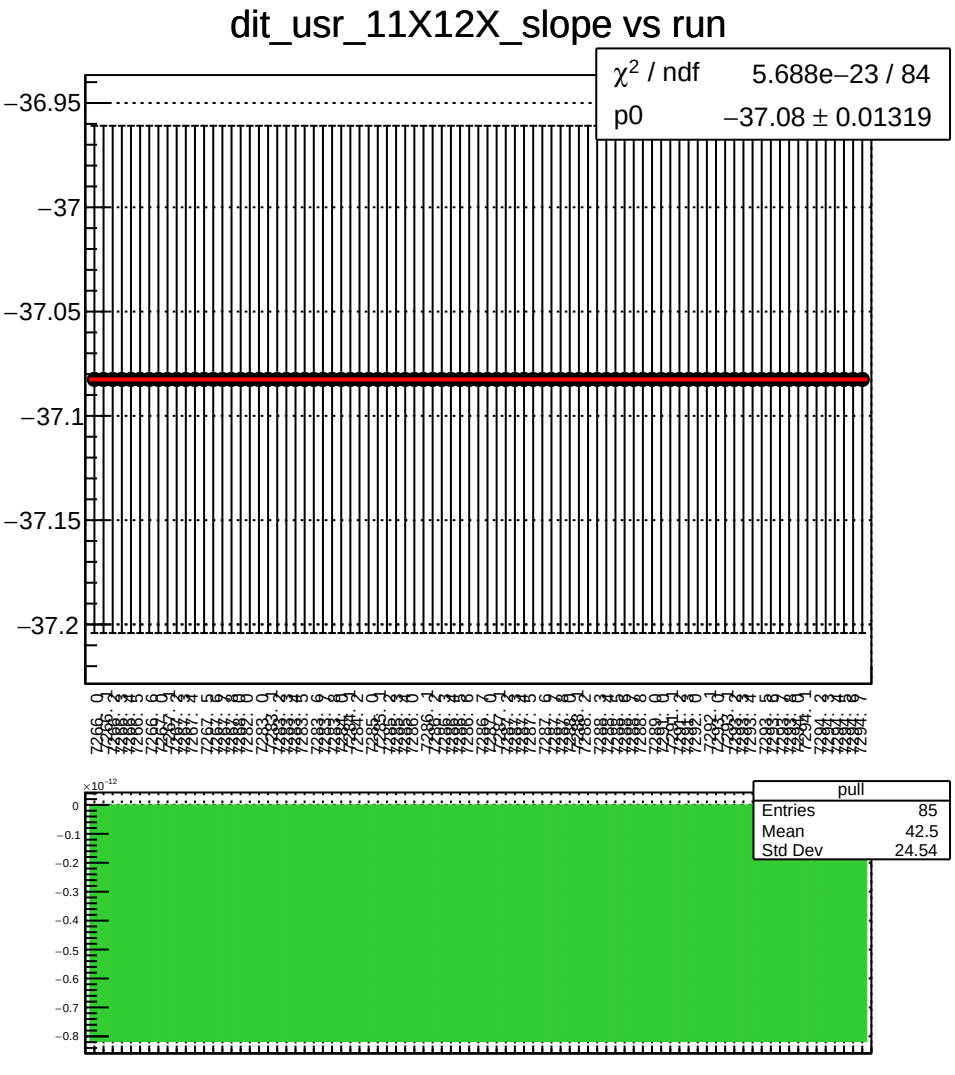

pull1D
Entries 85
Mean 1.2e−13
Std Dev 6.985e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

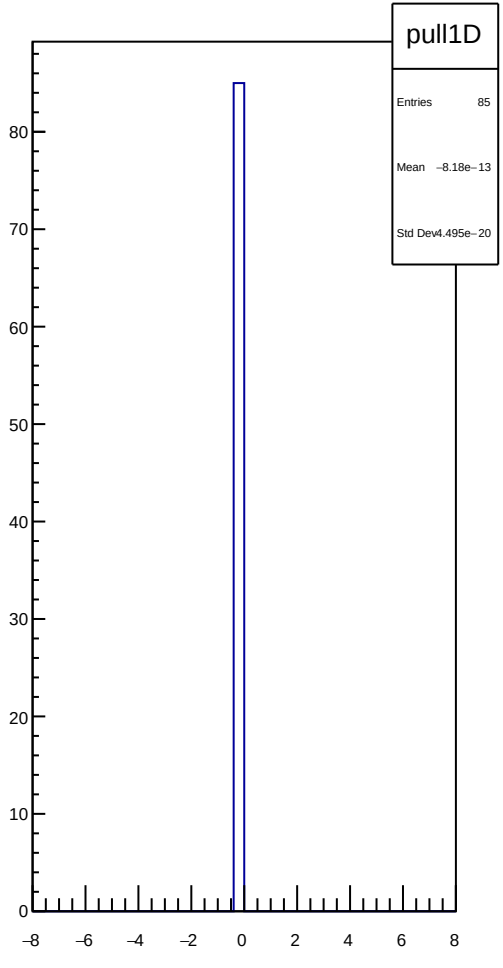

dit_usr_4aX_slope vs run
χ^2 / ndf 6.169e−26 / 84
p0 −290.8 ± 0.4577
−286
−288
−290
−292
−294
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
25
20
15
10
5
0

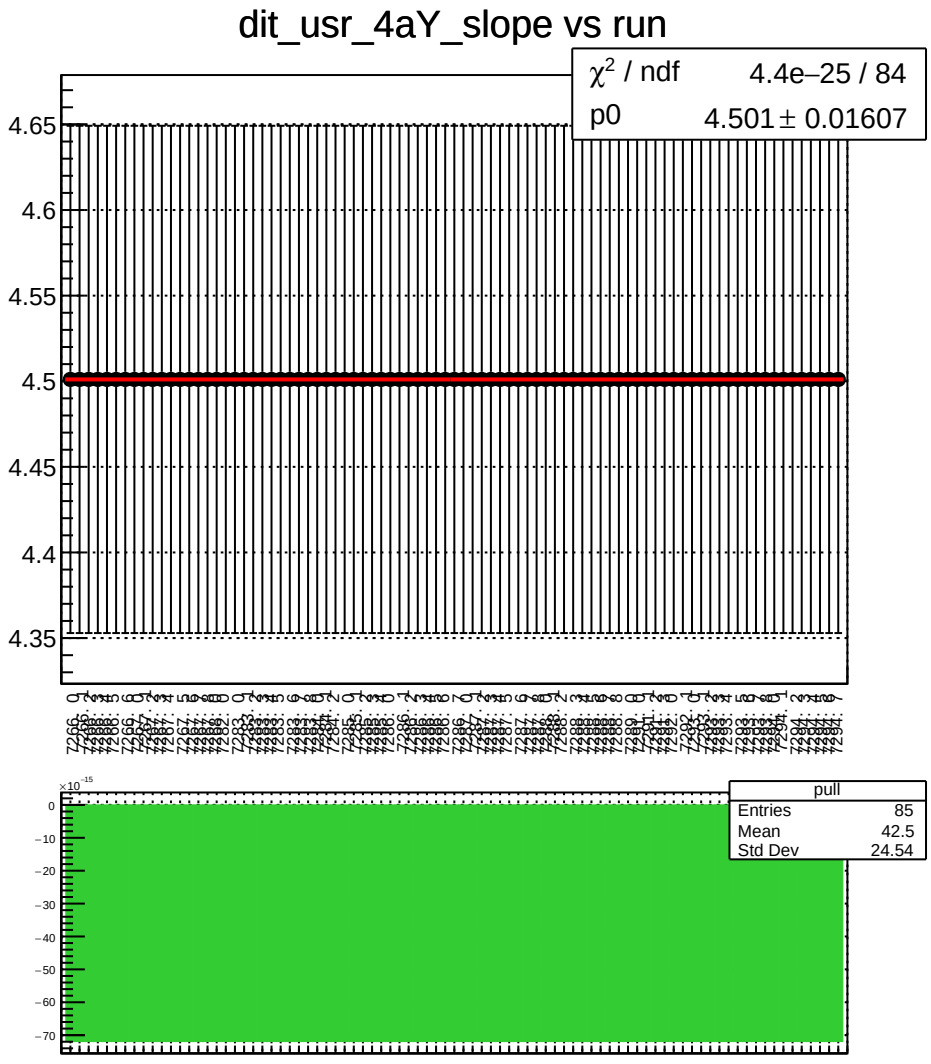

pull1D
Entries 85
Mean 2.694e−14
Std Dev7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

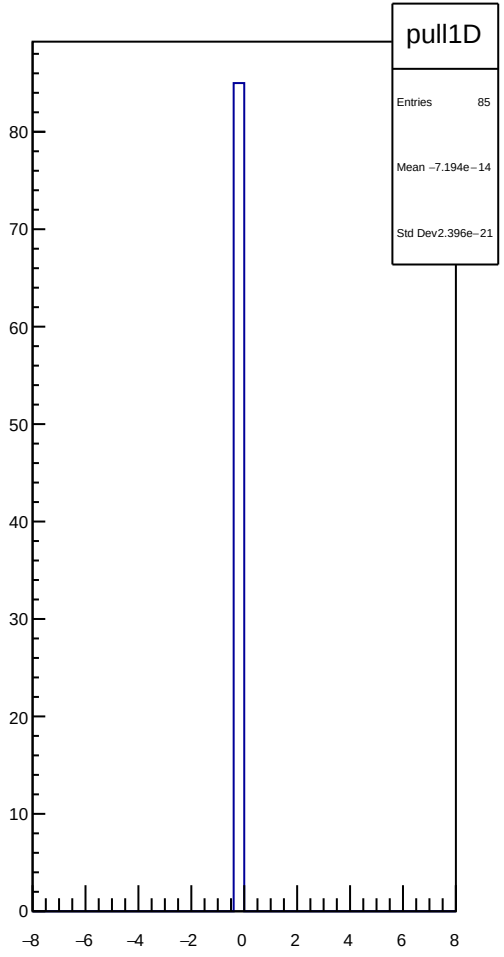

dit_usr_4eX_slope vs run
χ² / ndf 1.654e−25 / 84
p0 375.2 ± 0.4193
379
378
377
376
375
374
373
372
371
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

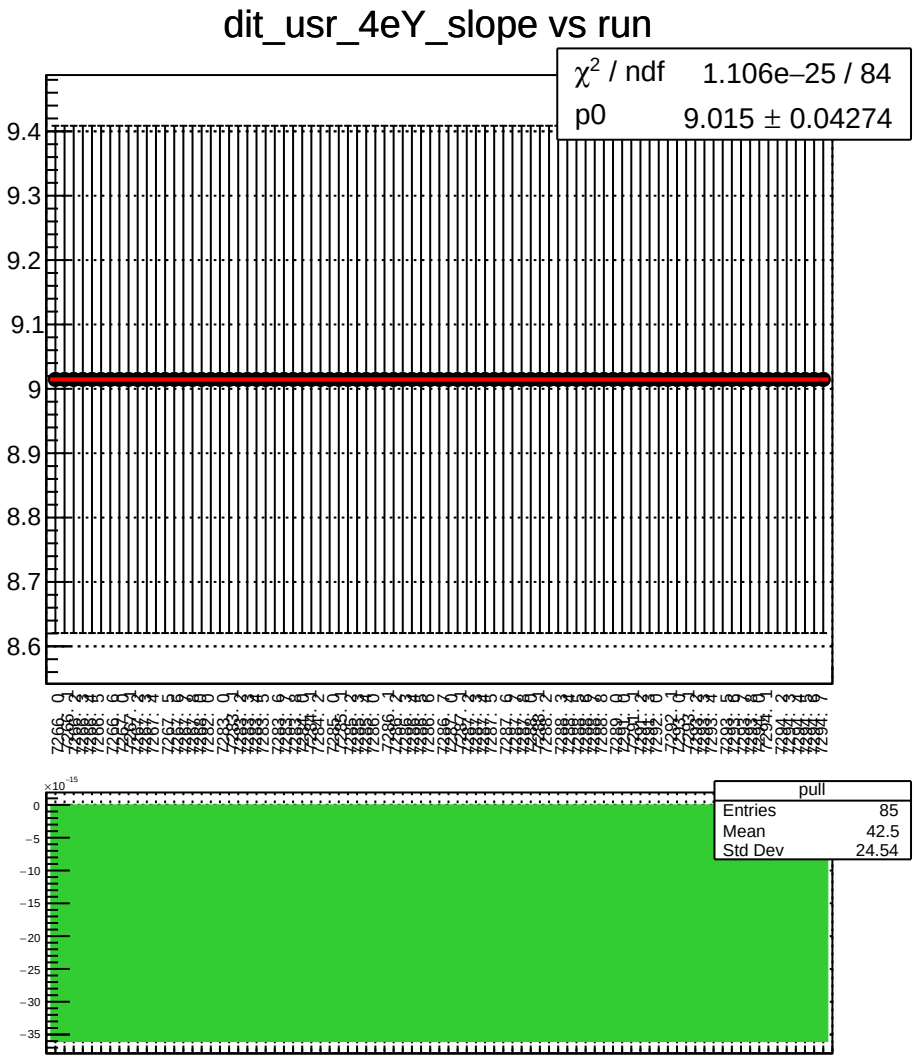

pull1D
Entries 85
Mean −4.411e−14
Std Dev2.611e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

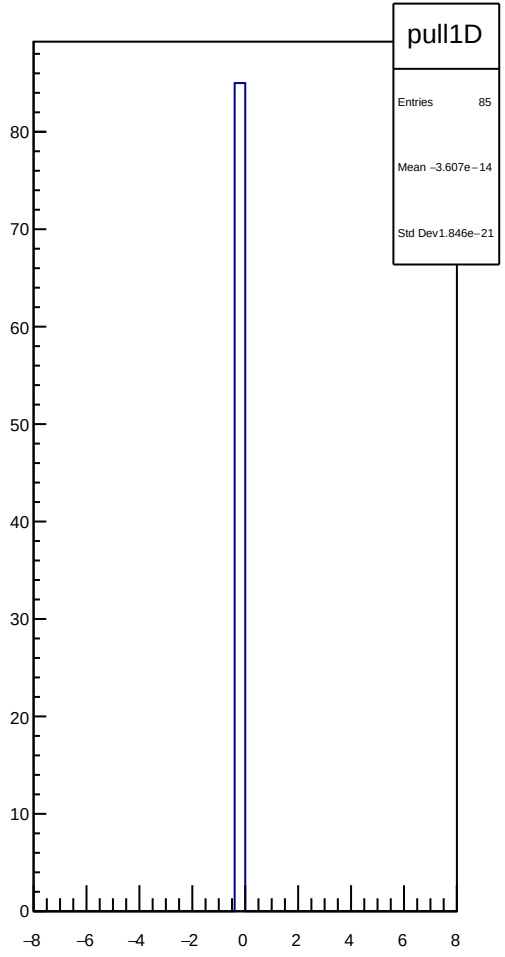

dit_usr_11X12X_slope vs run
χ² / ndf 5.688e−23 / 84
p0 −37.08 ± 0.01319
−36.95
−37
−37.05
−37.1
−37.15
−37.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8

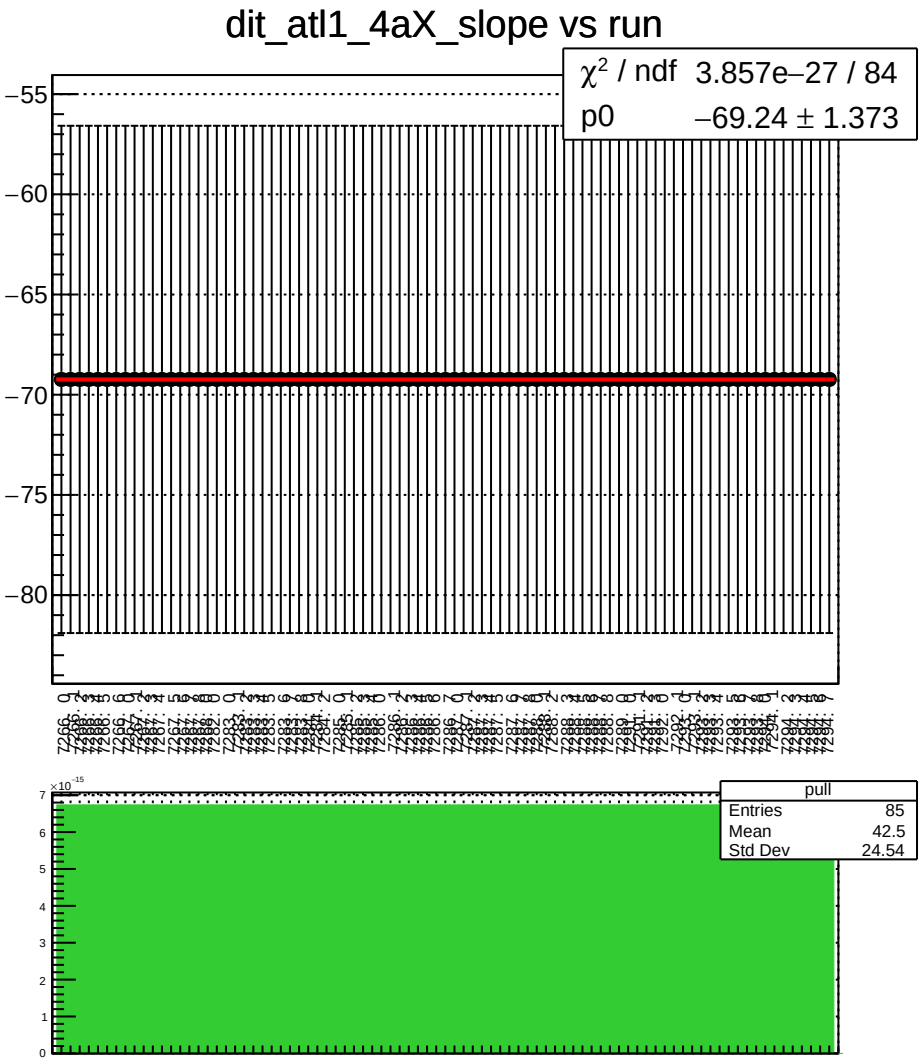

pull1D
Entries 85
Mean −8.18e−13
Std Dev 4.495e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

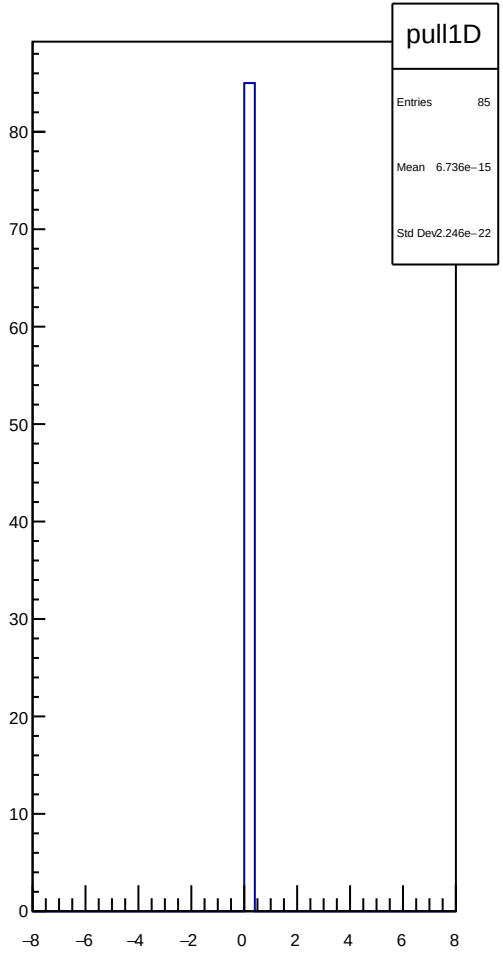

dit_usr_4aY_slope vs run
χ^2 / ndf 4.4e−25 / 84
p0 4.501 ± 0.01607
4.65
4.6
4.55
4.5
4.45
4.4
4.35
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50
−60
−70

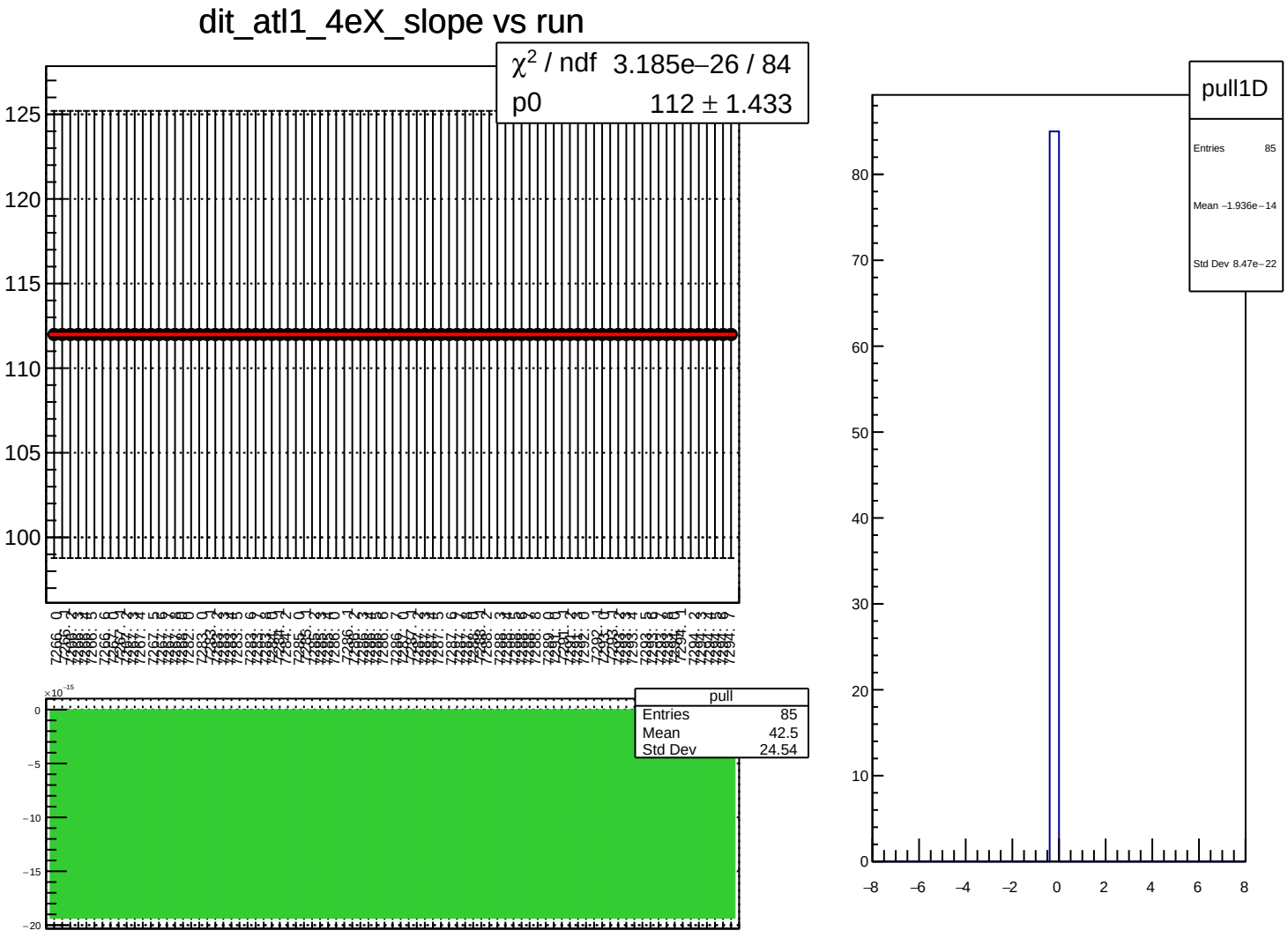

pull1D
Entries 85
Mean −7.194e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_usr_4eY_slope vs run
χ^2 / ndf 1.106e−25 / 84
p0 9.015 ± 0.04274
9.4
9.3
9.2
9.1
9
8.9
8.8
8.7
8.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−5
−10
−15
−20
−25
−30
−35

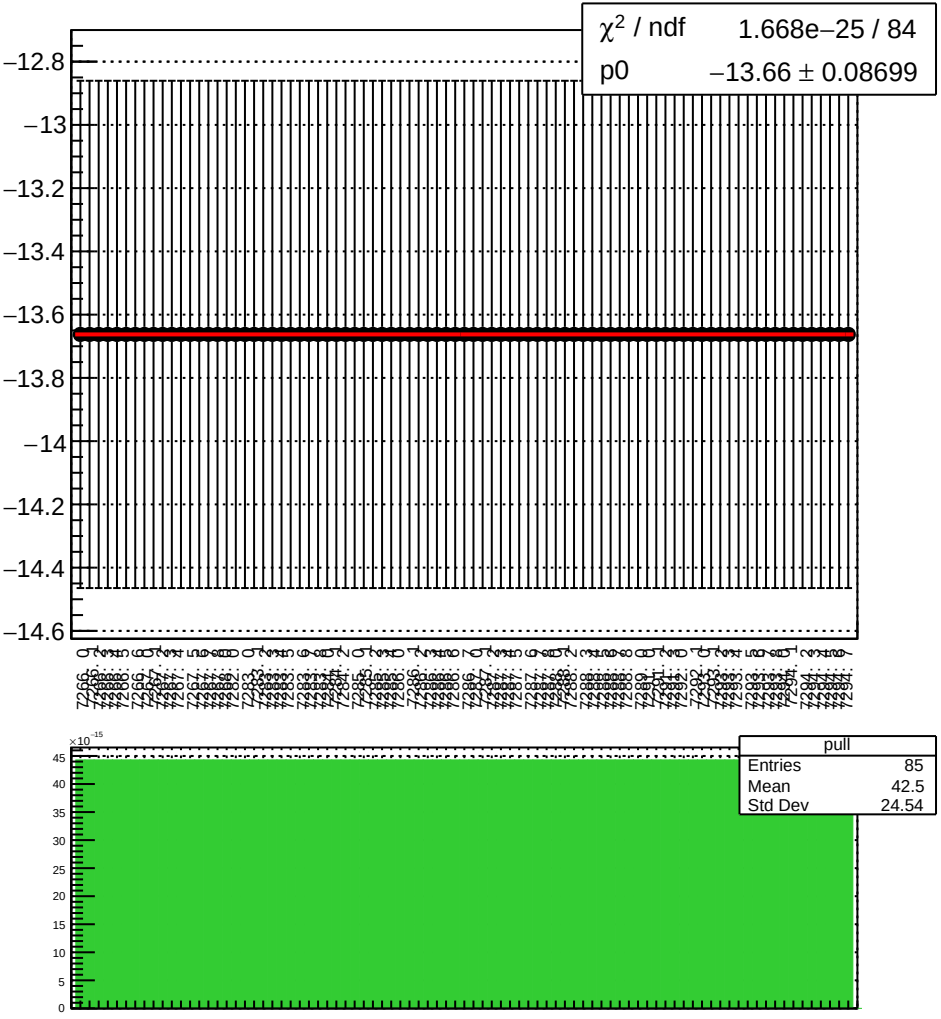

pull1D
Entries 85
Mean −3.607e−14
Std Dev 1.846e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

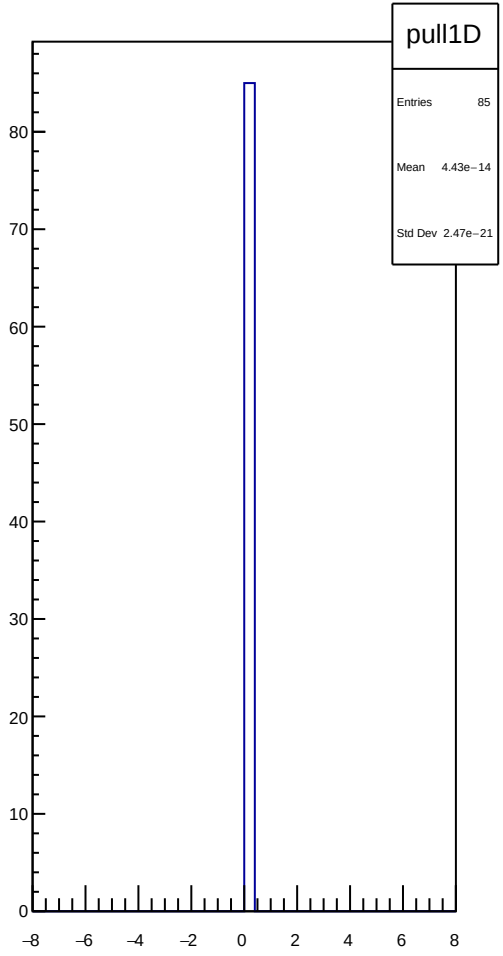

dit_atl1_4aX_slope vs run
χ^2 / ndf 3.857e−27 / 84
p0 −69.24 ± 1.373
−55
−60
−65
−70
−75
−80
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
7
6
5
4
3
2
1
0

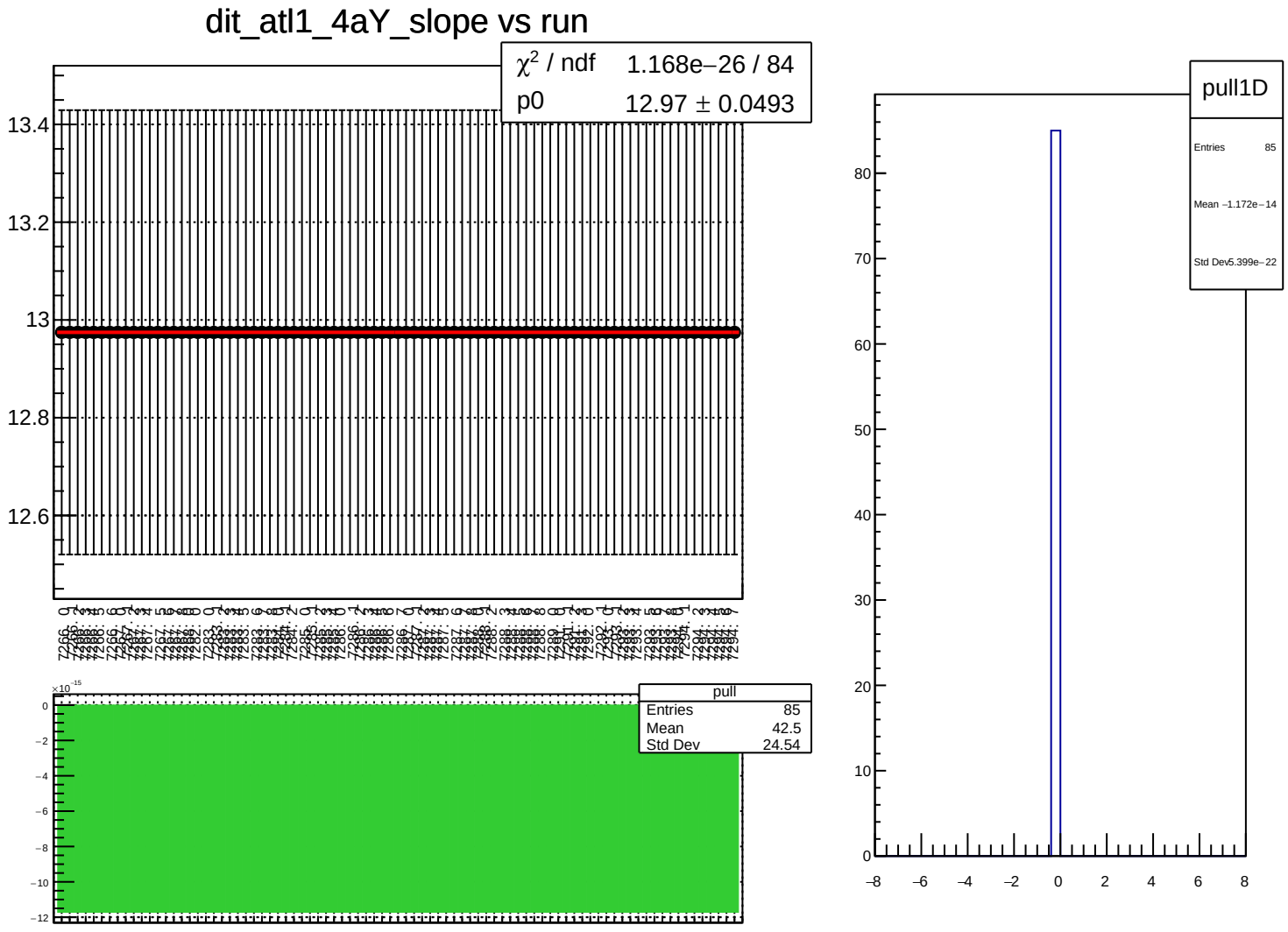

pull1D
Entries 85
Mean 6.736e−15
Std Dev 2.246e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

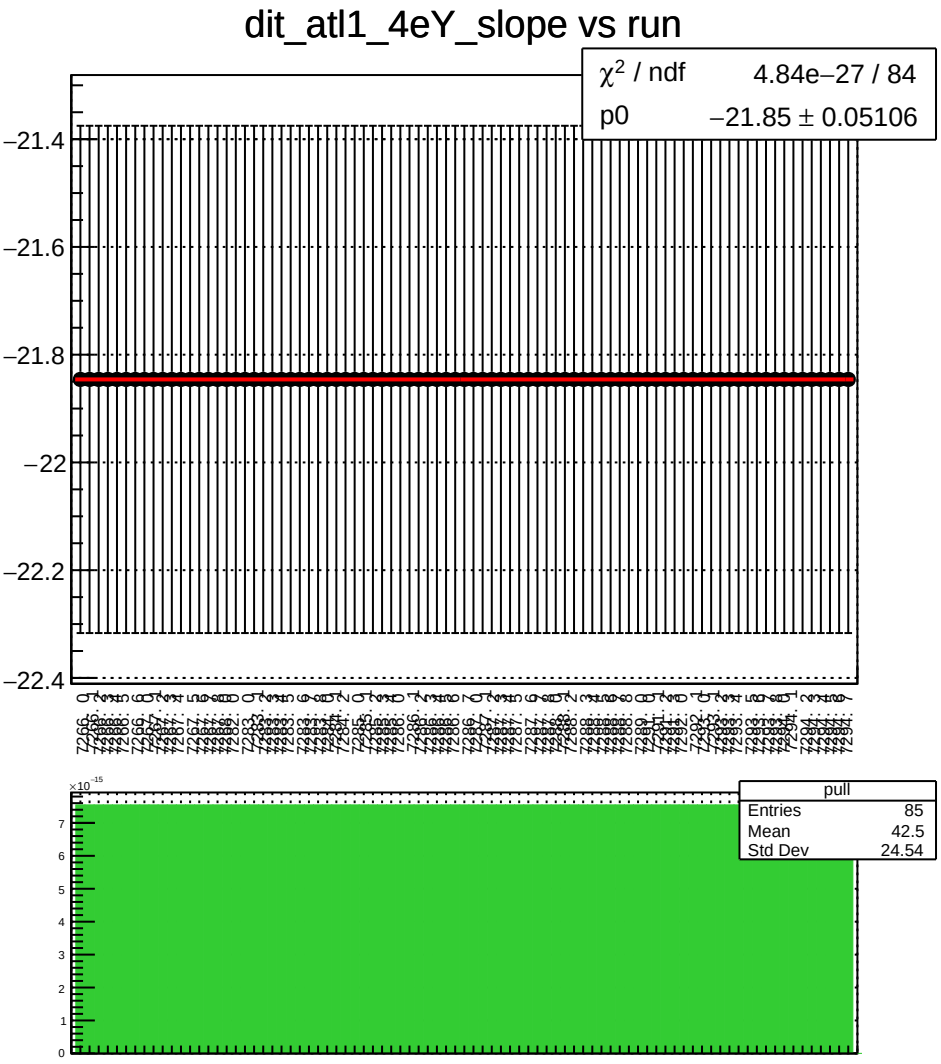

dit_atl1_4eX_slope vs run
χ^2 / ndf 3.185e−26 / 84
p0 112 ± 1.433
125
120
115
110
105
100
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−5
−10
−15
−20
pull1D
Entries 85
Mean −1.936e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

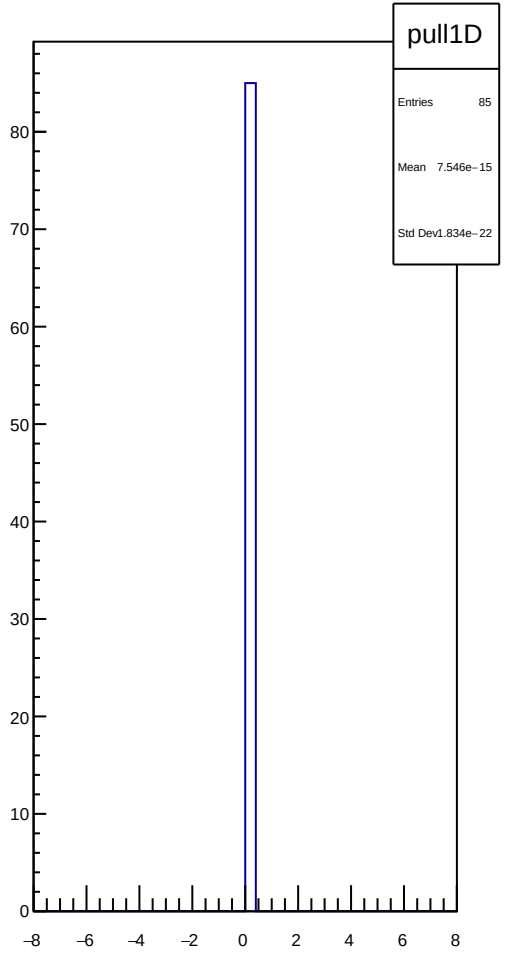
dit_atl1_11X12X_slope vs run

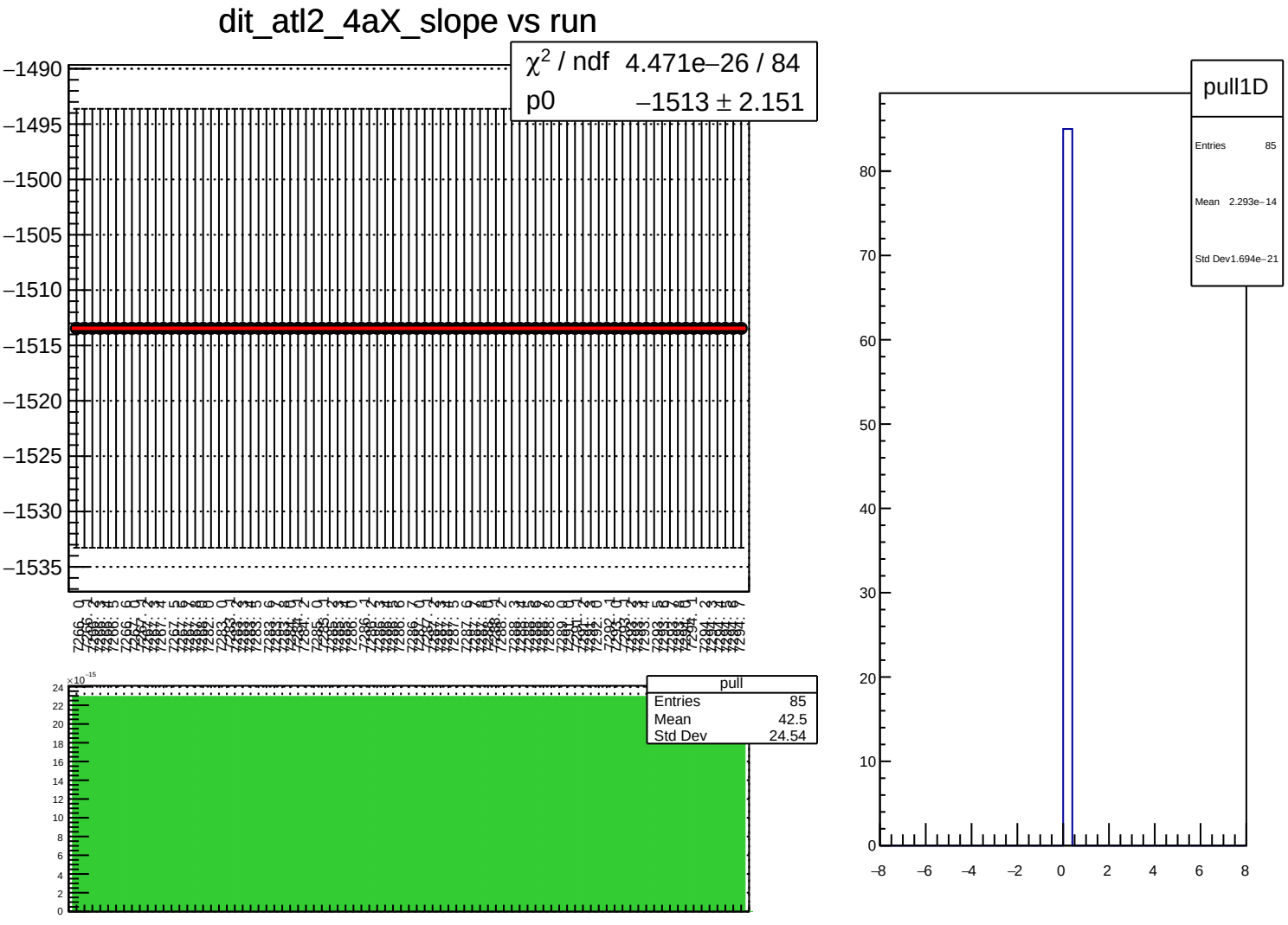


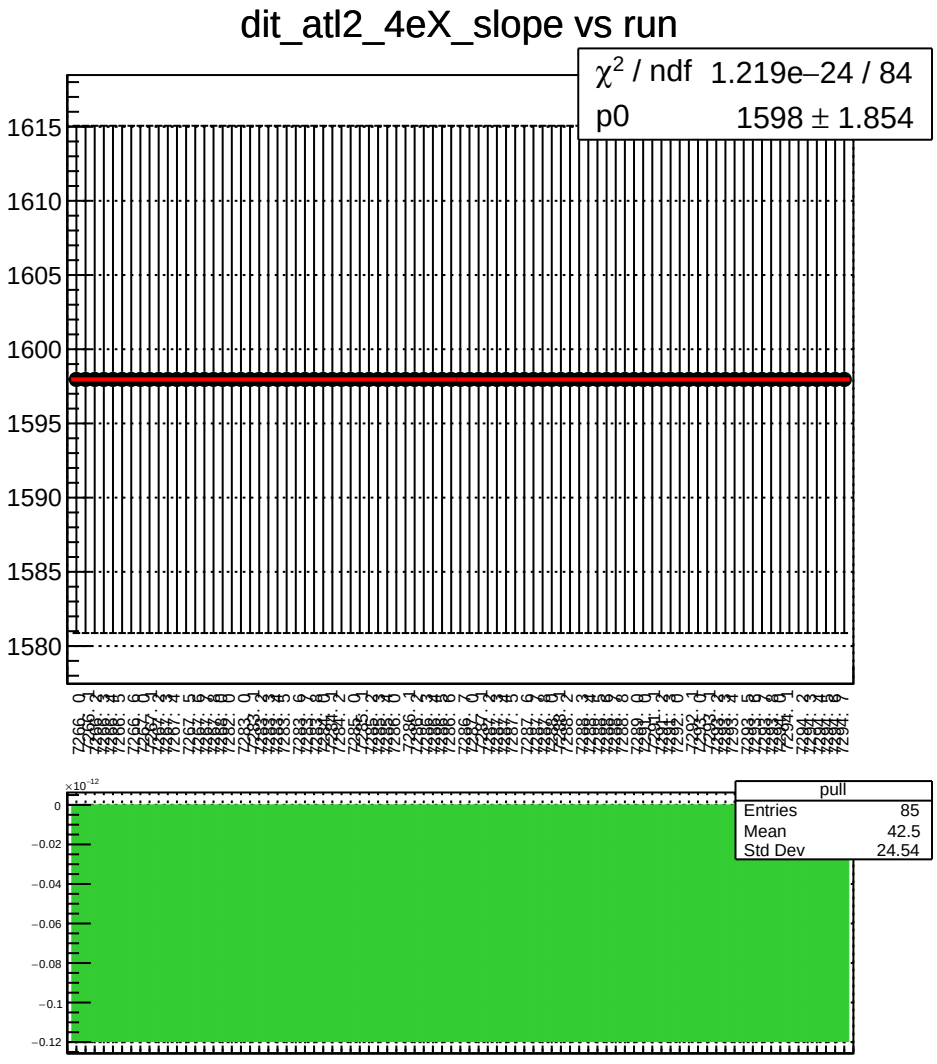


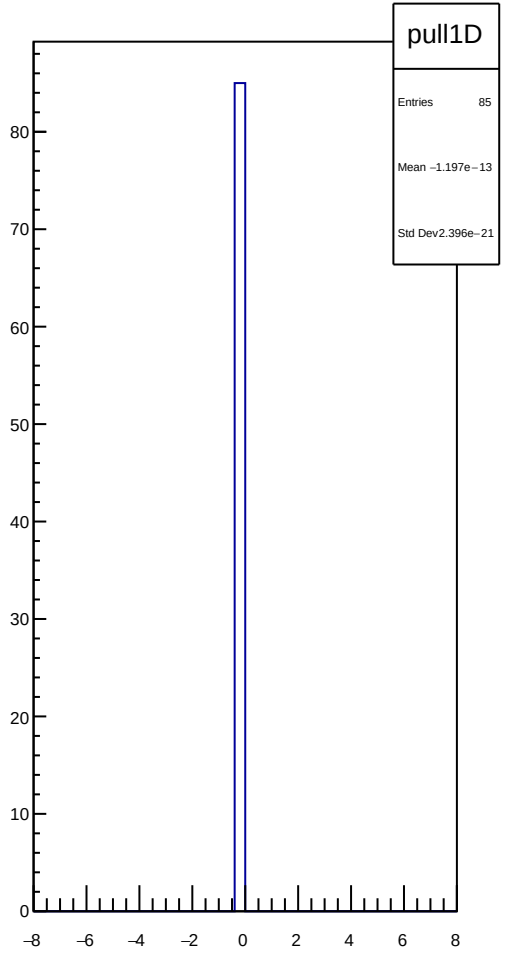

dit_atl1_4aY_slope vs run
χ^2 / ndf 1.168e−26 / 84
p0 12.97 ± 0.0493
13.4
13.2
13
12.8
12.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 85
Mean −1.172e−14
Std Dev 5.399e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

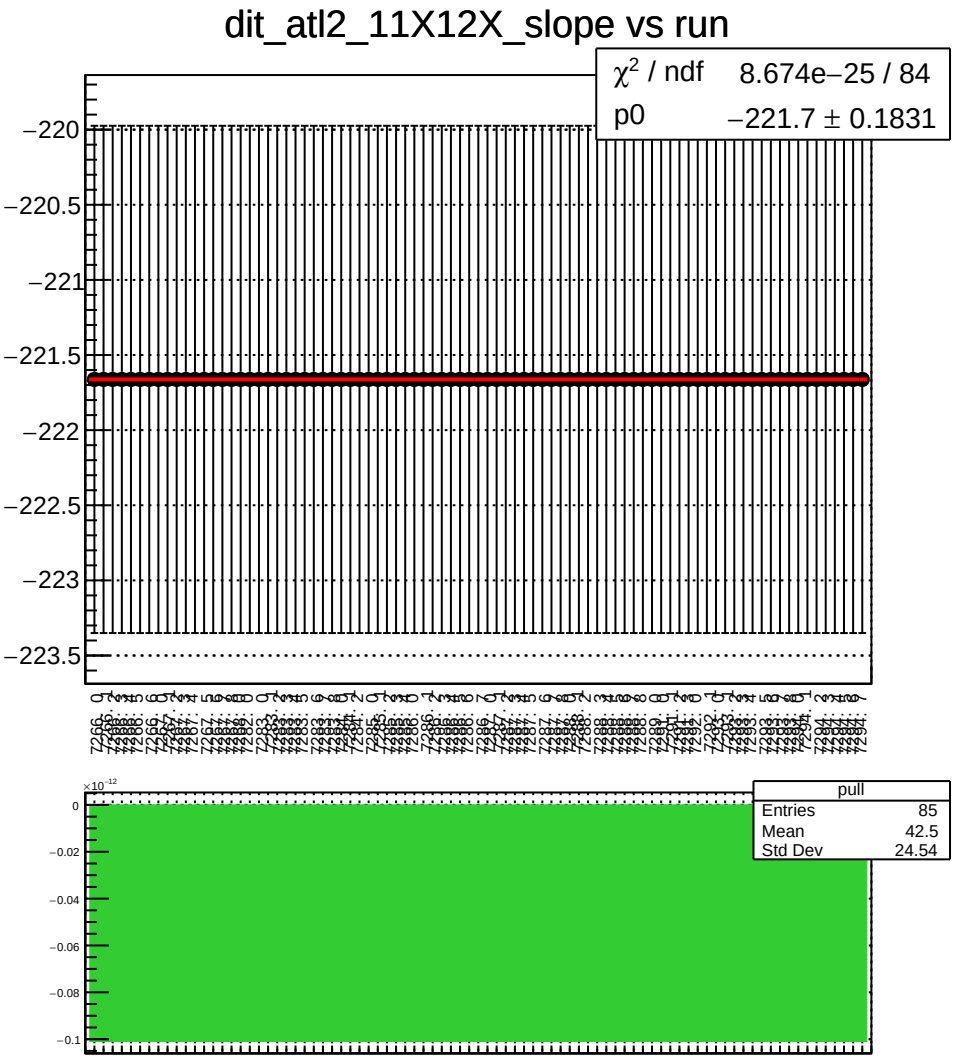

dit_atl1_4eY_slope vs run
χ^2 / ndf 4.84e−27 / 84
p0 −21.85 ± 0.05106
−21.4
−21.6
−21.8
−22
−22.2
−22.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
7
6
5
4
3
2
1
0

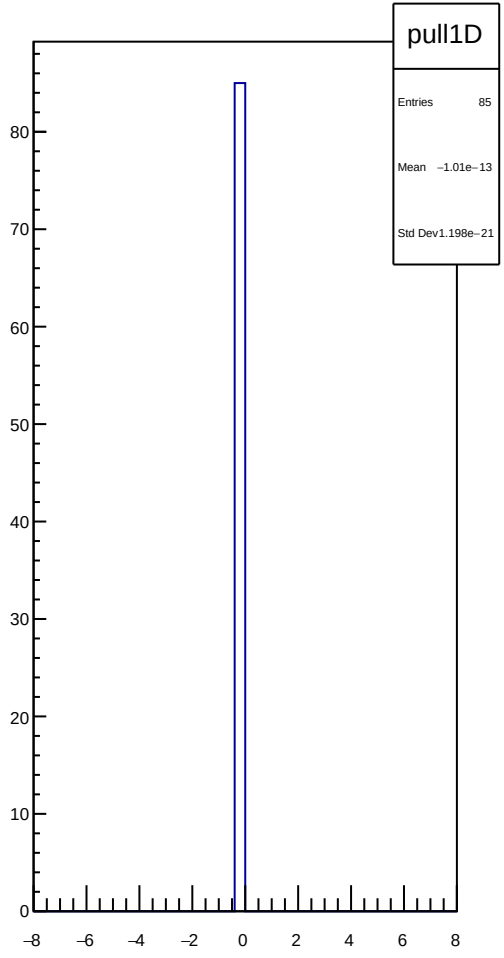

pull1D
Entries 85
Mean 7.546e−15
Std Dev 1.834e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

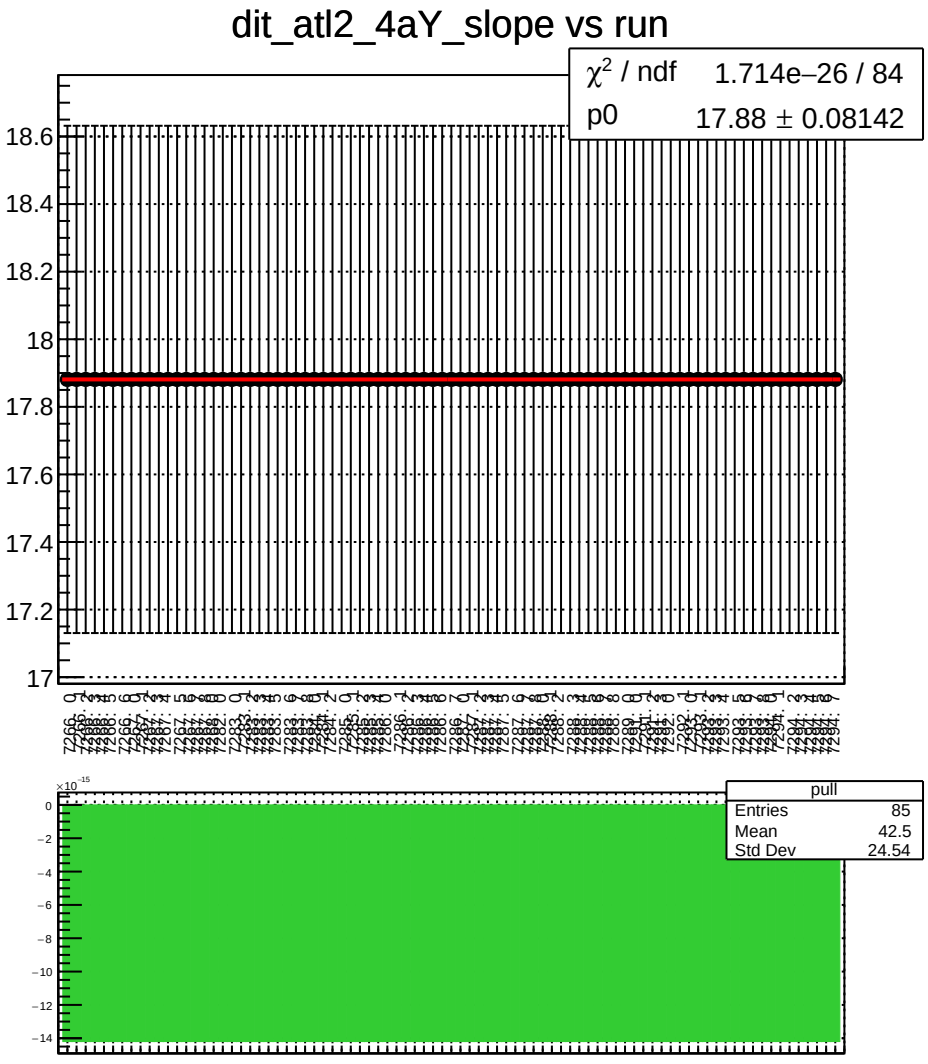

dit_atl2_4aX_slope vs run
χ^2 / ndf 4.471e−26 / 84
p0 −1513 ± 2.151
−1490
−1495
−1500
−1505
−1510
−1515
−1520
−1525
−1530
−1535
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
pull1D
Entries 85
Mean 2.293e−14
Std Dev 1.694e−21

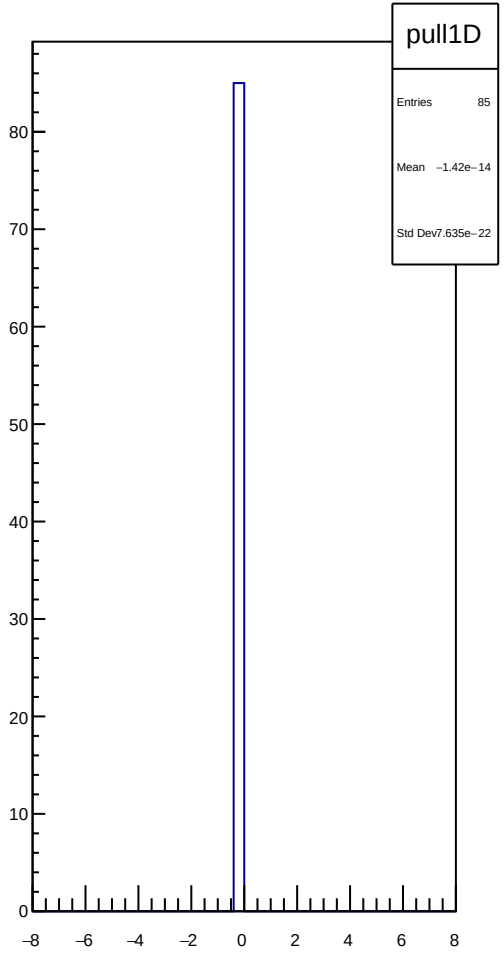

dit_atl2_4eX_slope vs run
χ^2 / ndf 1.219e−24 / 84
p0 1598 ± 1.854
1615
1610
1605
1600
1595
1590
1585
1580
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

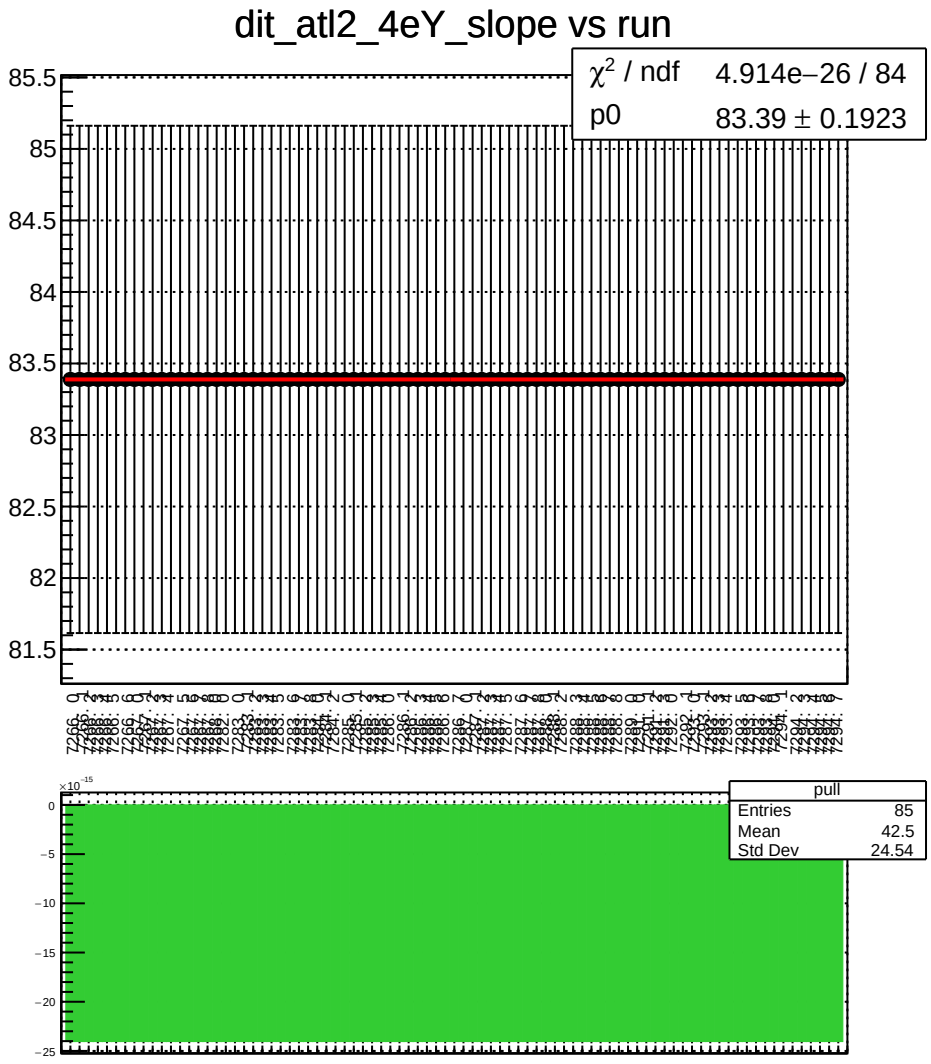

pull1D
Entries 85
Mean −1.197e−13
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

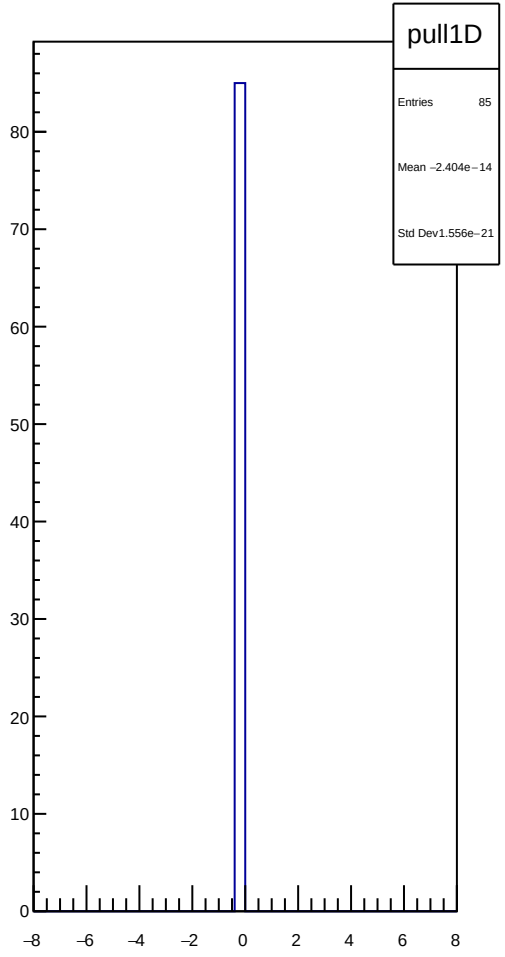

dit_atl2_11X12X_slope vs run
χ^2 / ndf 8.674e−25 / 84
p0 −221.7 ± 0.1831
−220
−220.5
−221
−221.5
−222
−222.5
−223
−223.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1

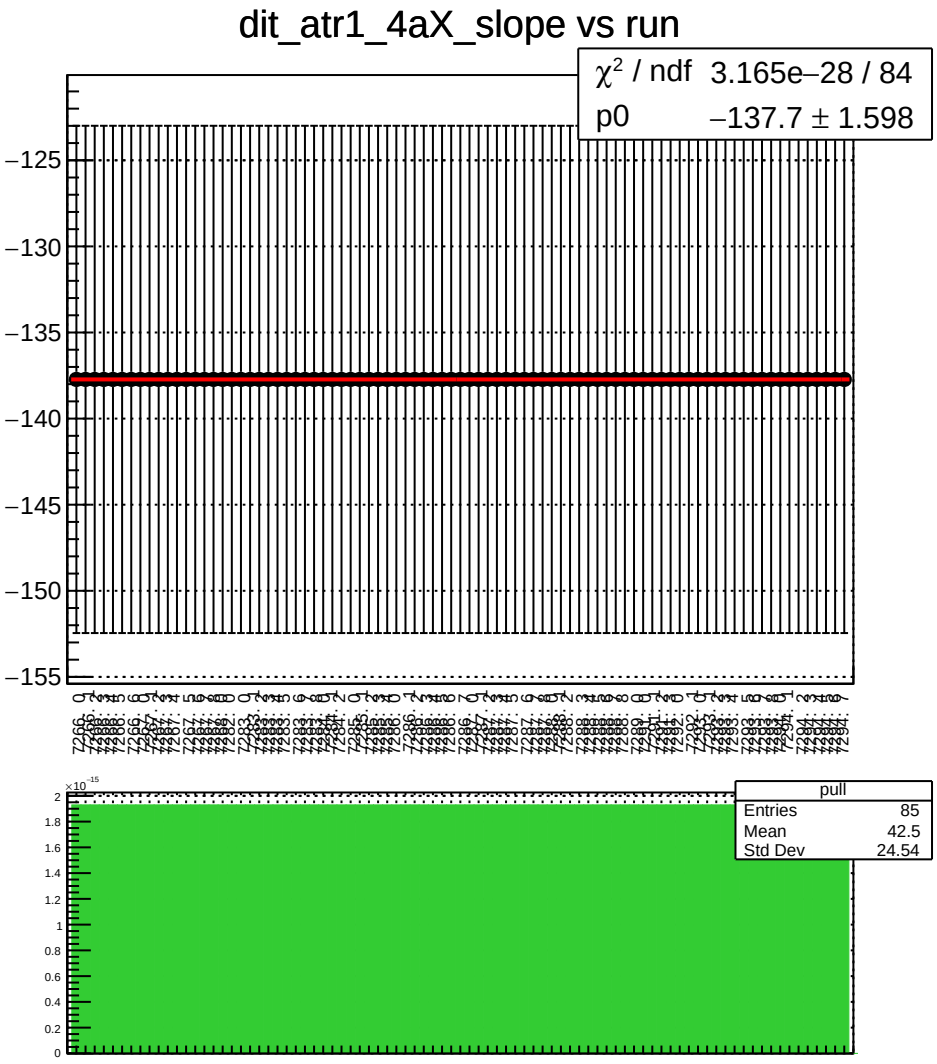

pull1D
Entries 85
Mean −1.01e−13
Std Dev 1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

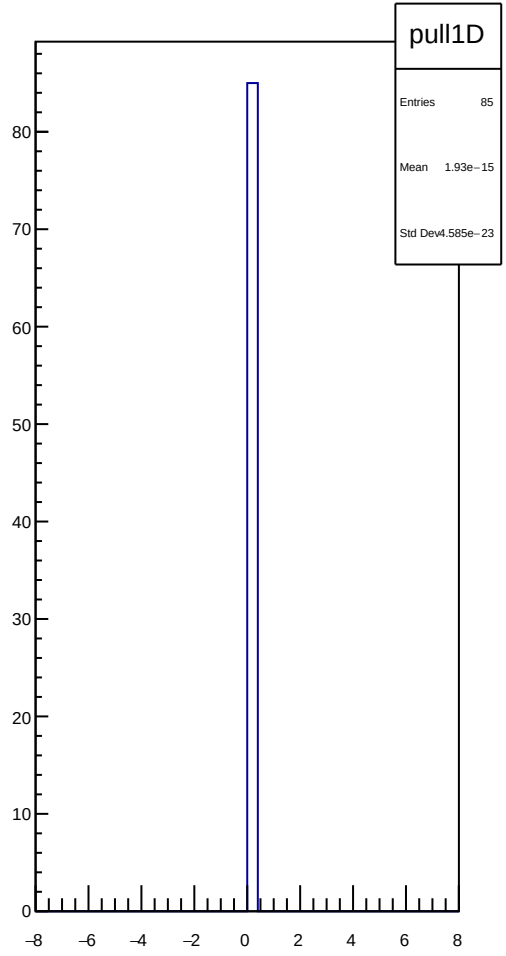

dit_atl2_4aY_slope vs run
χ^2 / ndf 1.714e−26 / 84
p0 17.88 ± 0.08142
18.6
18.4
18.2
18
17.8
17.6
17.4
17.2
17
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−2
−4
−6
−8
−10
−12
−14

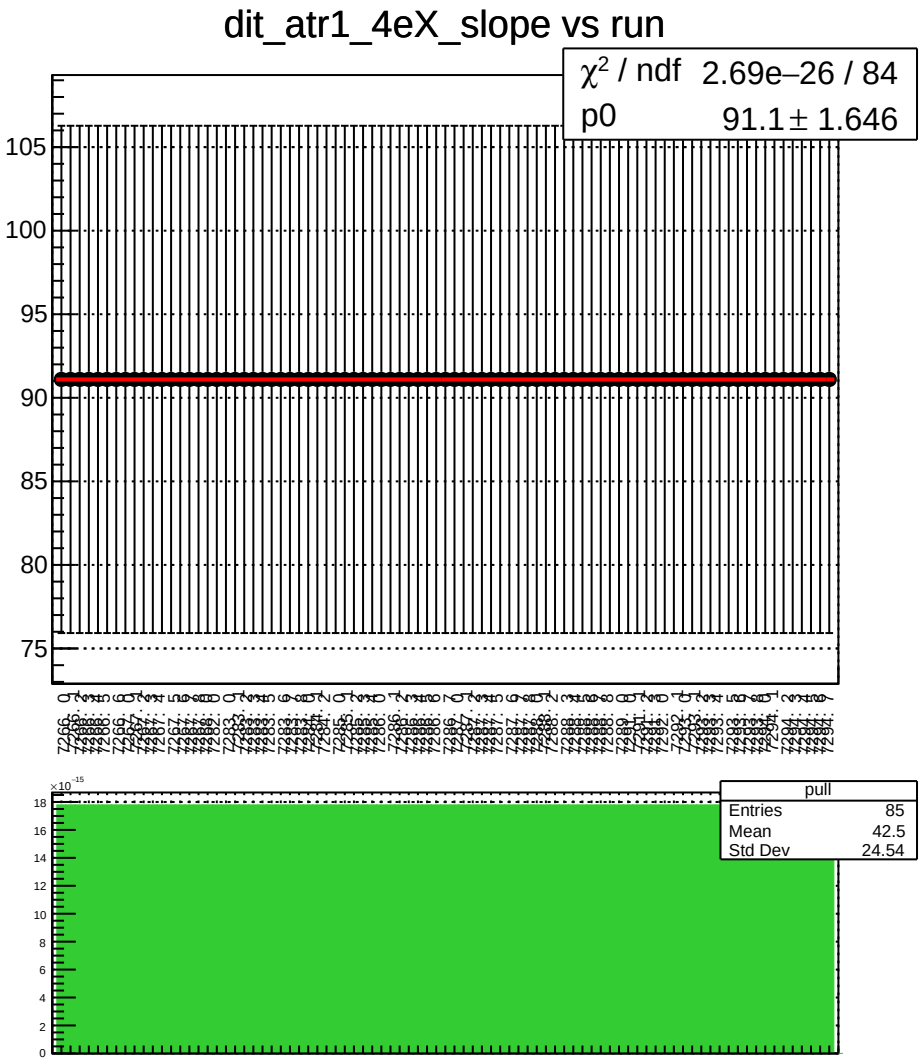

pull1D
Entries 85
Mean −1.42e−14
Std Dev 7.635e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

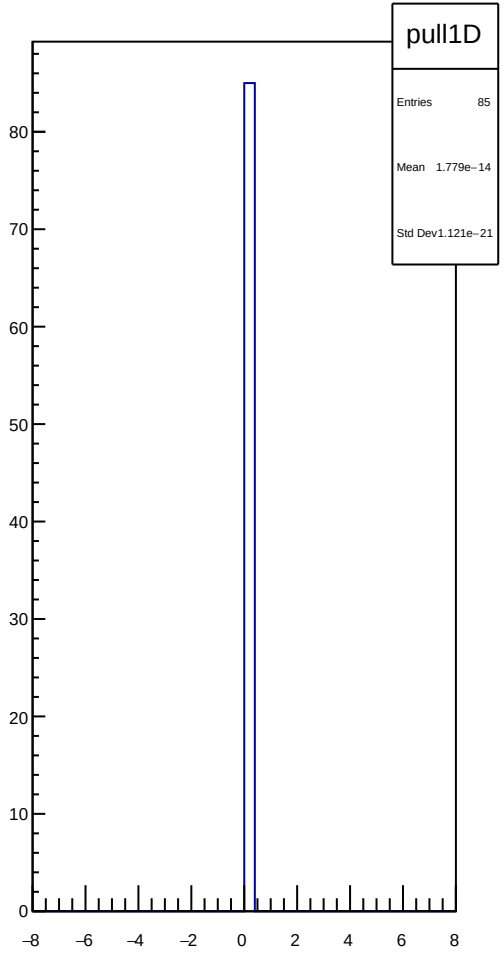

dit_atl2_4eY_slope vs run
χ^2 / ndf 4.914e−26 / 84
p0 83.39 ± 0.1923
85.5
85
84.5
84
83.5
83
82.5
82
81.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−5
−10
−15
−20
−25


pull1D
Entries 85
Mean −2.404e−14
Std Dev1.556e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

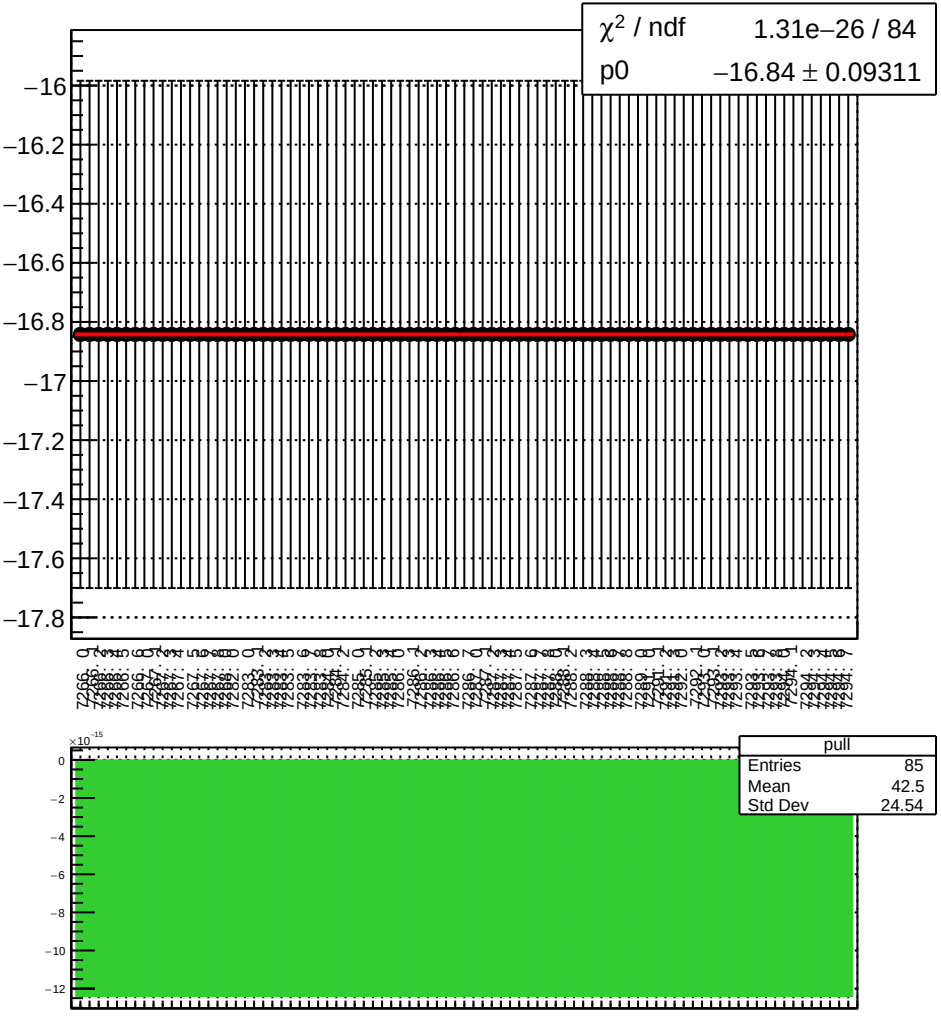

dit_atr1_4aX_slope vs run
χ^2 / ndf 3.165e−28 / 84
p0 −137.7 ± 1.598
−125
−130
−135
−140
−145
−150
−155
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

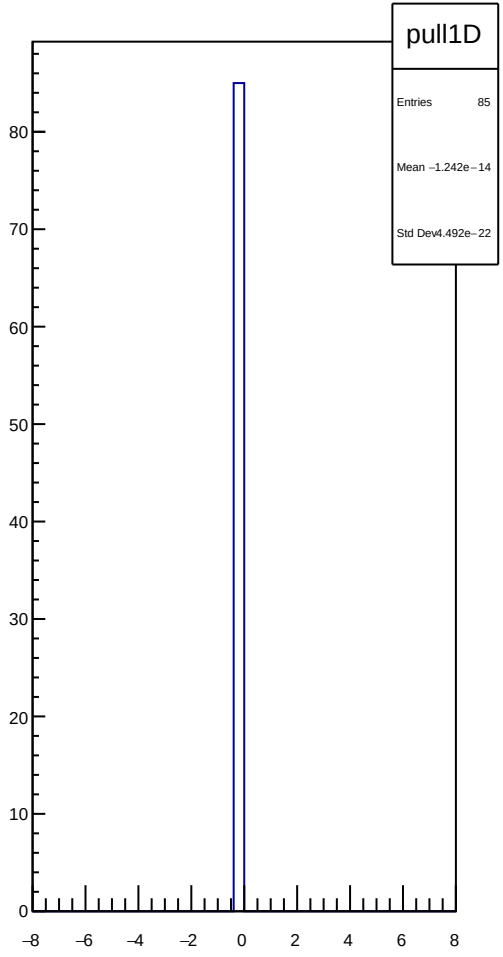

pull1D
Entries 85
Mean 1.93e−15
Std Dev 4.585e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

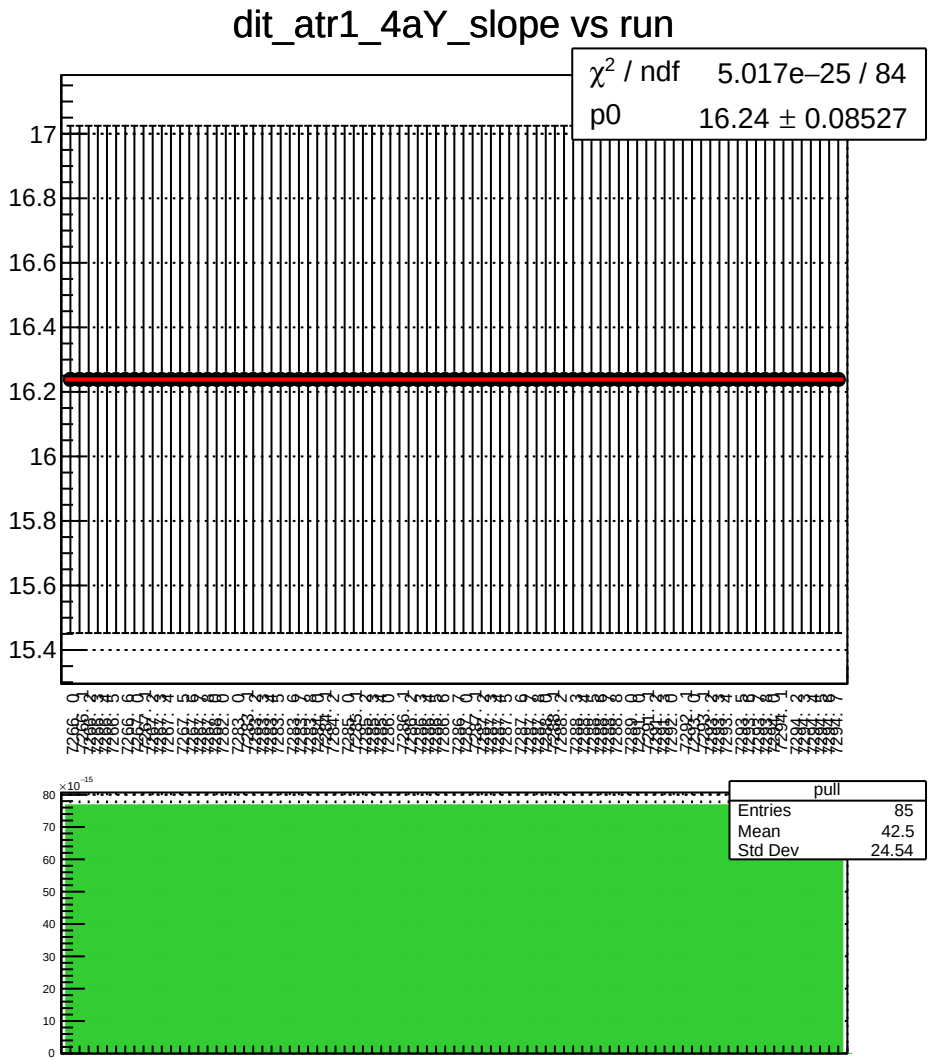

dit_atr1_4eX_slope vs run
χ^2 / ndf 2.69e−26 / 84
p0 91.1 ± 1.646
105
100
95
90
85
80
75
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
18
16
14
12
10
8
6
4
2
0

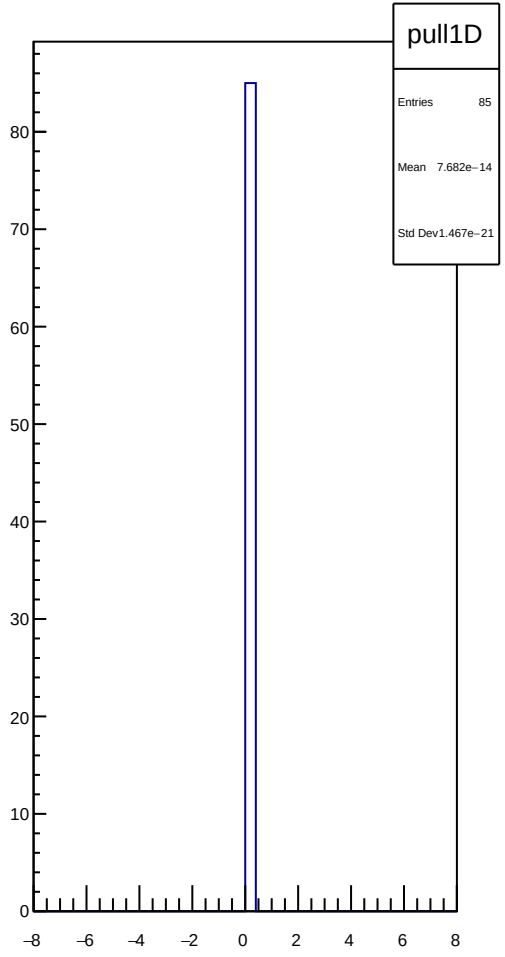

pull1D
Entries 85
Mean 1.779e−14
Std Dev 1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

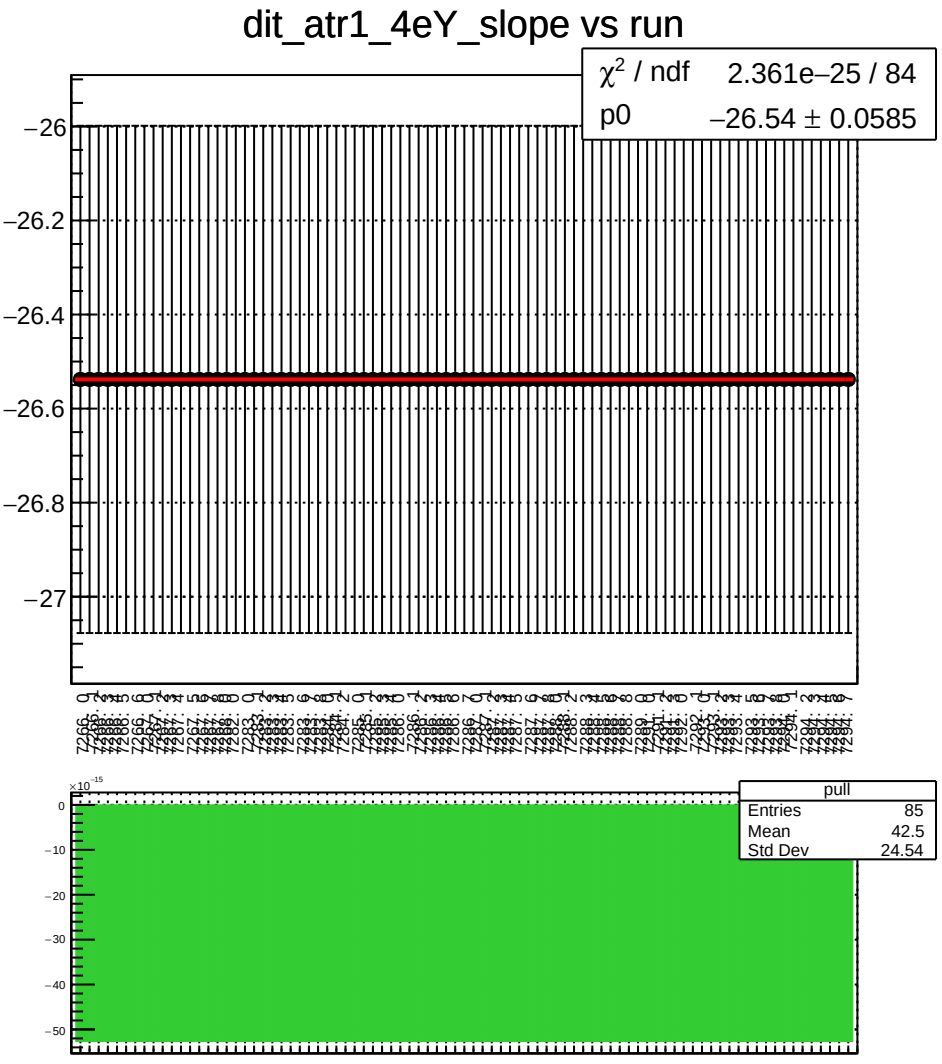
dit_atr1_11X12X_slope vs run

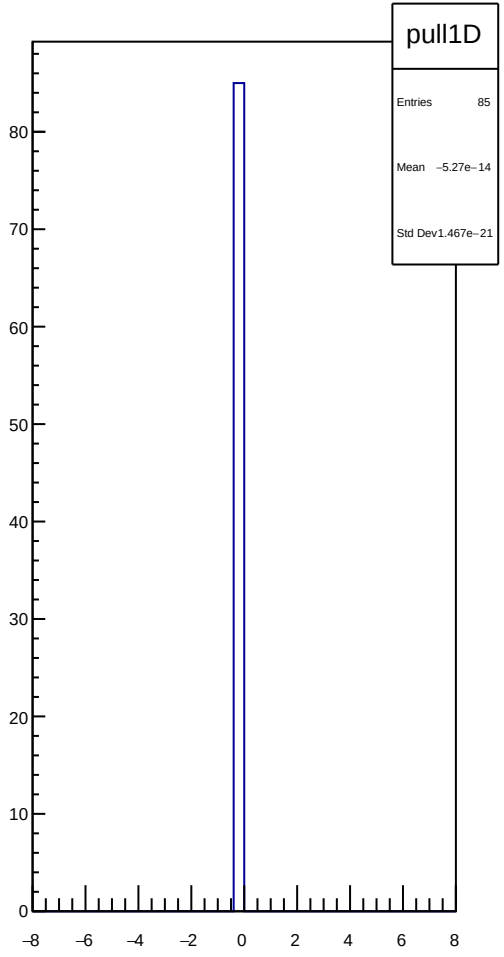


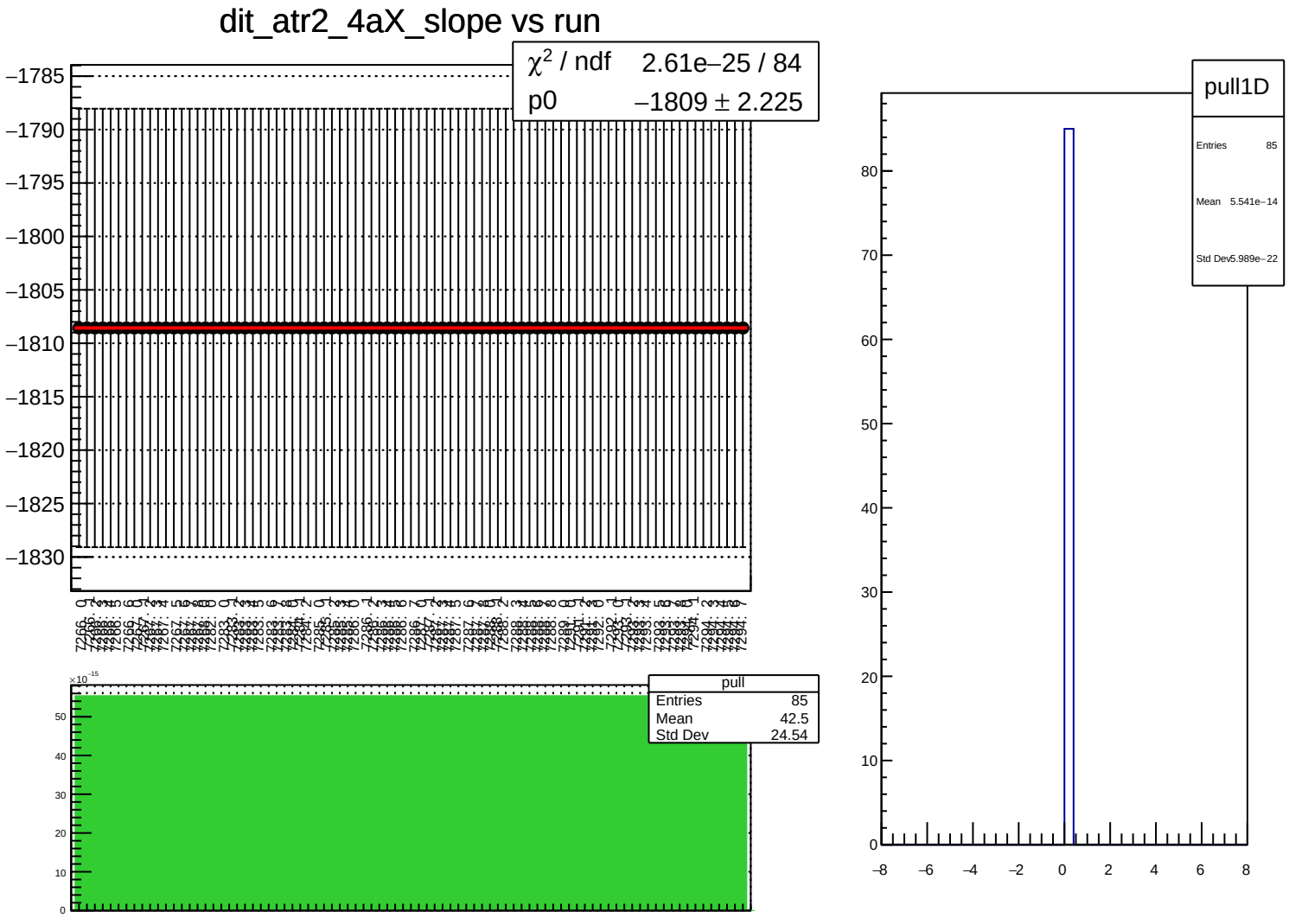


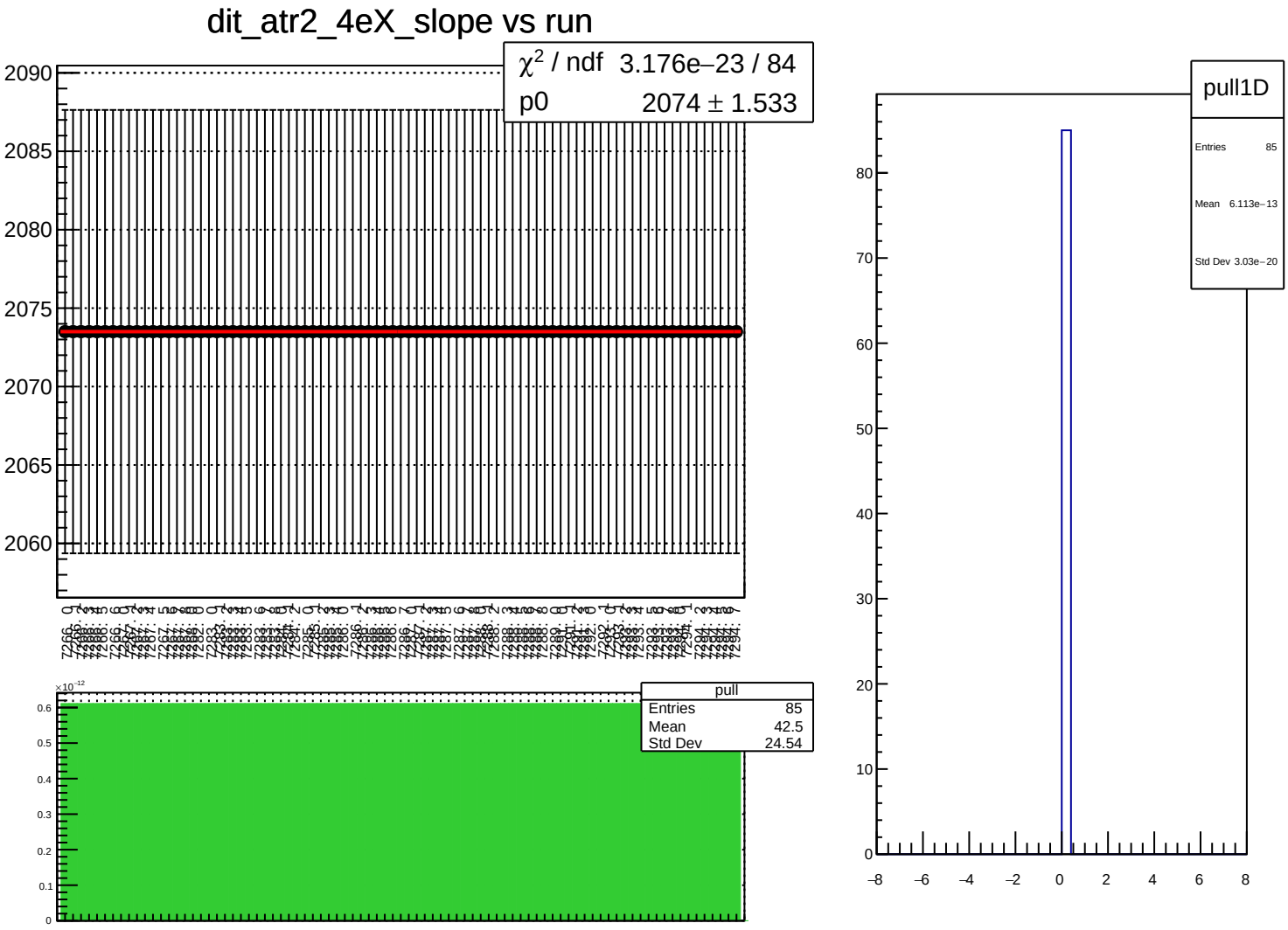

dit_atr1_4aY_slope vs run
χ^2 / ndf 5.017e−25 / 84
p0 16.24 ± 0.08527
pull
Entries 85
Mean 42.5
Std Dev 24.54

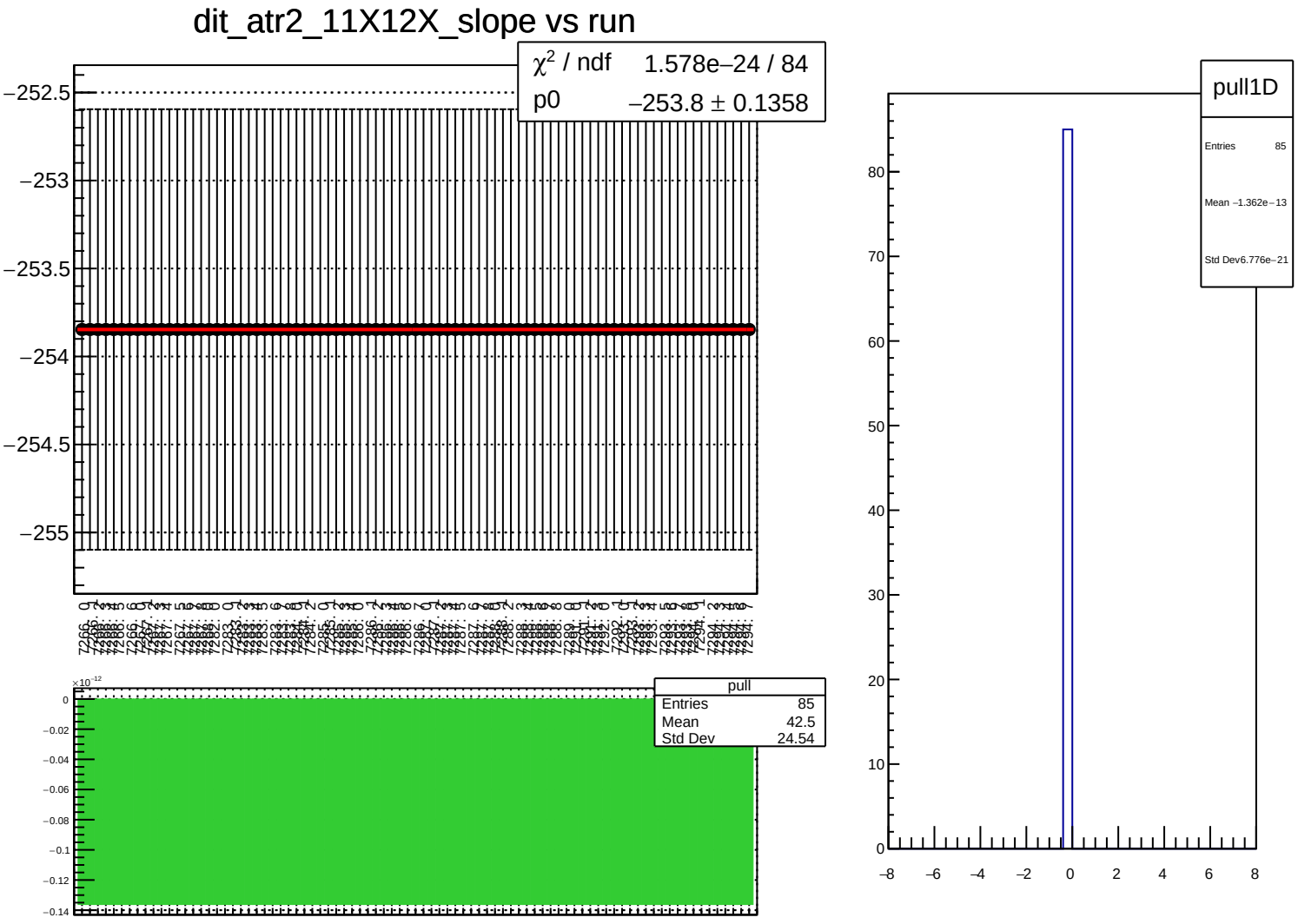

pull1D
Entries 85
Mean 7.682e−14
Std Dev 1.467e−21


dit_atr1_4eY_slope vs run
χ^2 / ndf 2.361e−25 / 84
p0 −26.54 ± 0.0585
−26
−26.2
−26.4
−26.6
−26.8
−27
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50

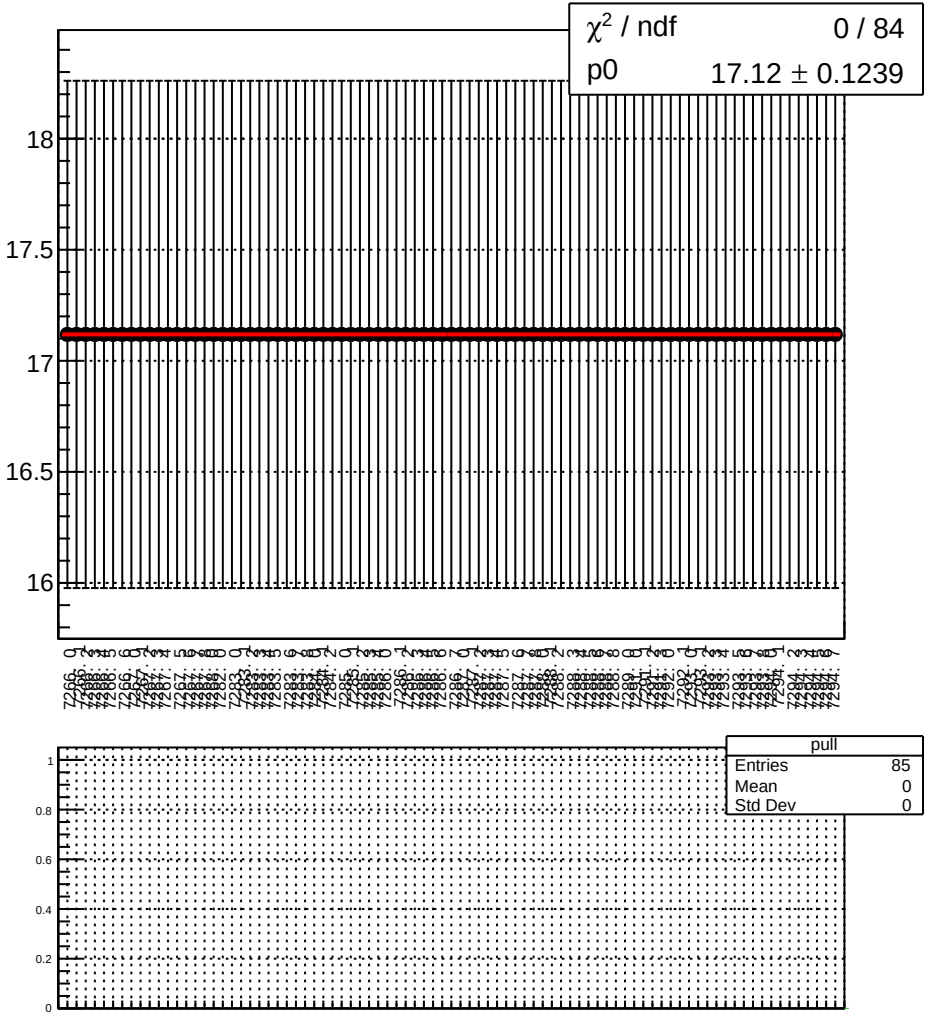

pull1D
Entries 85
Mean −5.27e−14
Std Dev 1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

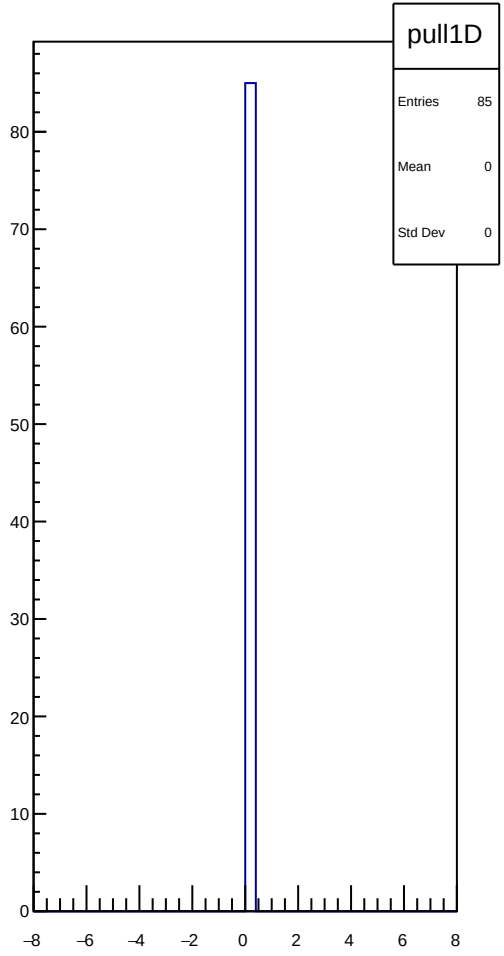

dit_atr2_4aX_slope vs run
χ^2 / ndf 2.61e−25 / 84
p0 −1809 ± 2.225
−1785
−1790
−1795
−1800
−1805
−1810
−1815
−1820
−1825
−1830
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
50
40
30
20
10
0
pull1D
Entries 85
Mean 5.541e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

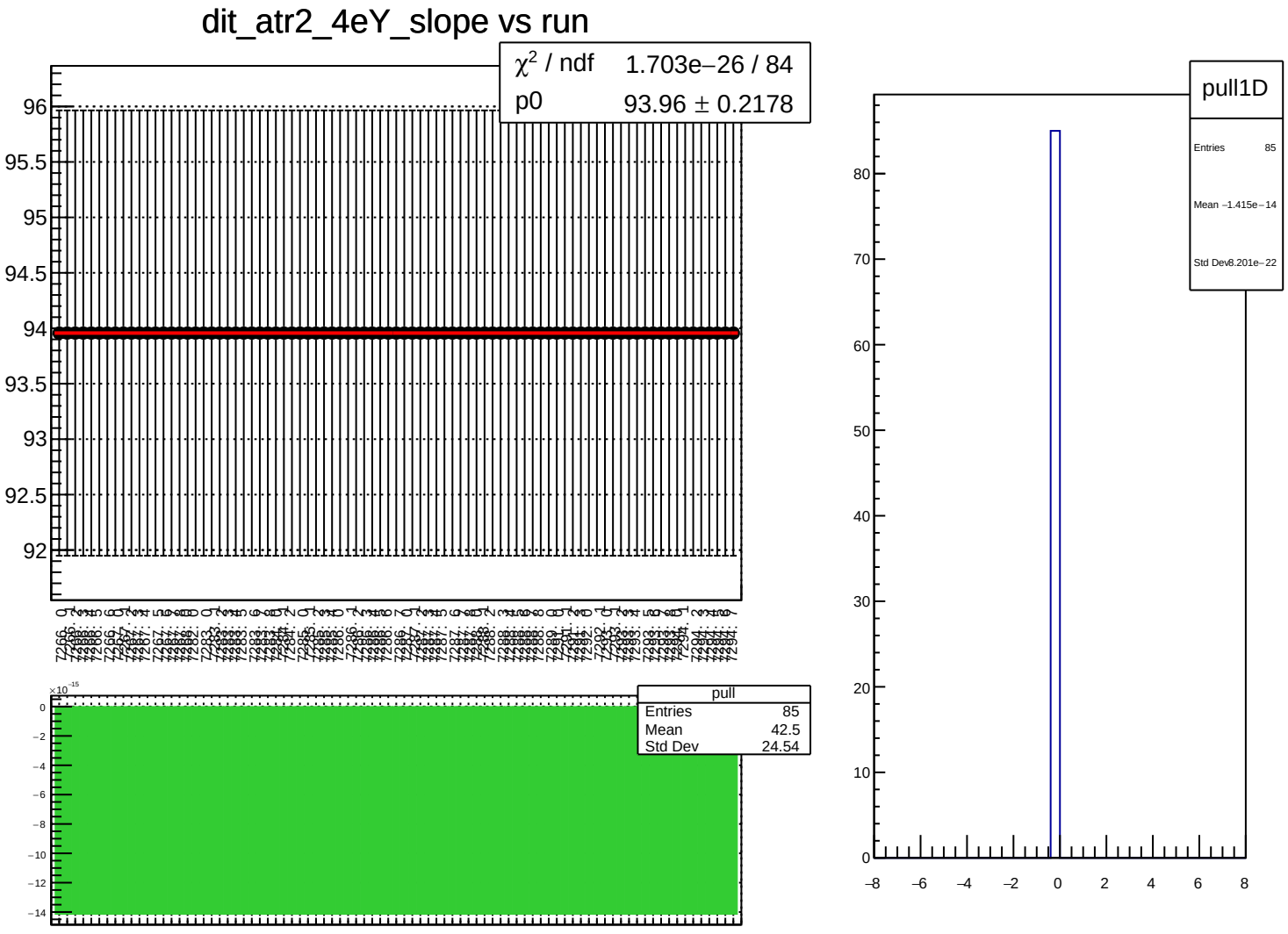

dit_atr2_4eX_slope vs run
χ^2 / ndf 3.176e−23 / 84
p0 2074 ± 1.533
2090
2085
2080
2075
2070
2065
2060
pull
Entries 85
Mean 42.5
Std Dev 24.54
$\times 10^{-12}$
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 85
Mean 6.113e−13
Std Dev 3.03e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_atr2_11X12X_slope vs run
χ^2 / ndf 1.578e−24 / 84
p0 −253.8 ± 0.1358
−252.5
−253
−253.5
−254
−254.5
−255
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 85
Mean −1.362e−13
Std Dev 6.776e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

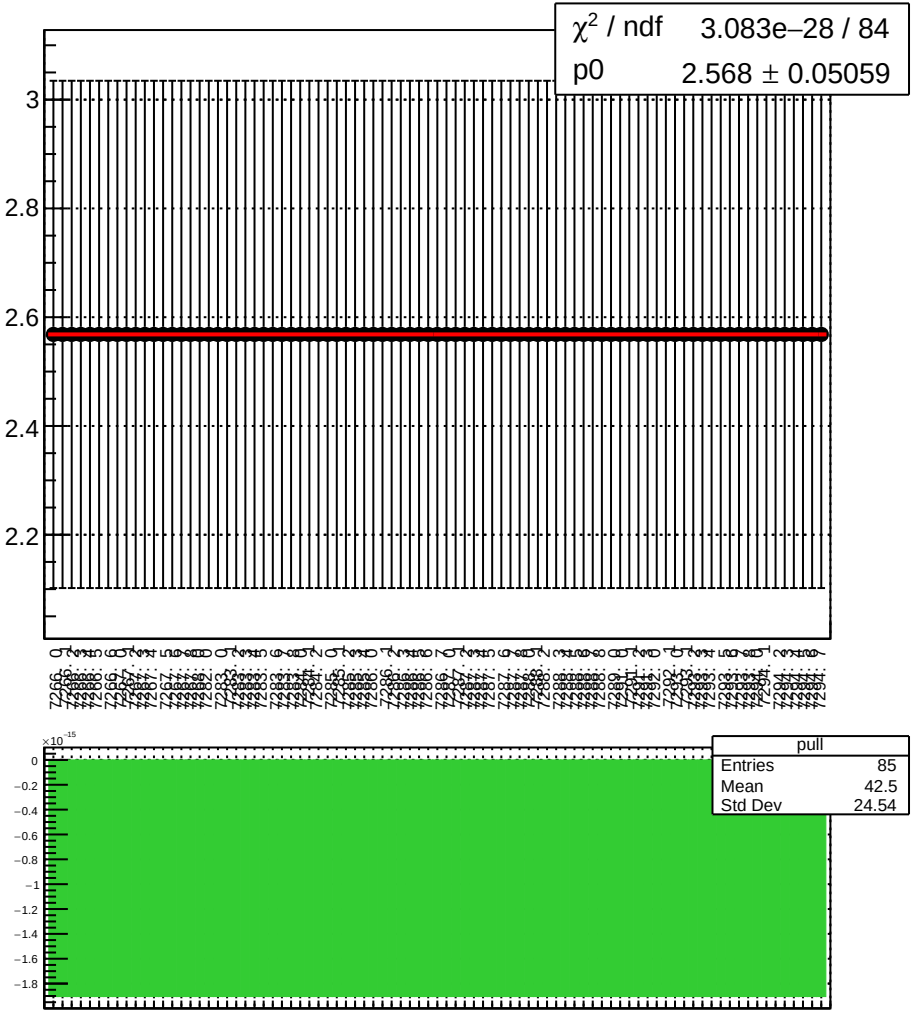
dit_atr2_4aY_slope vs run

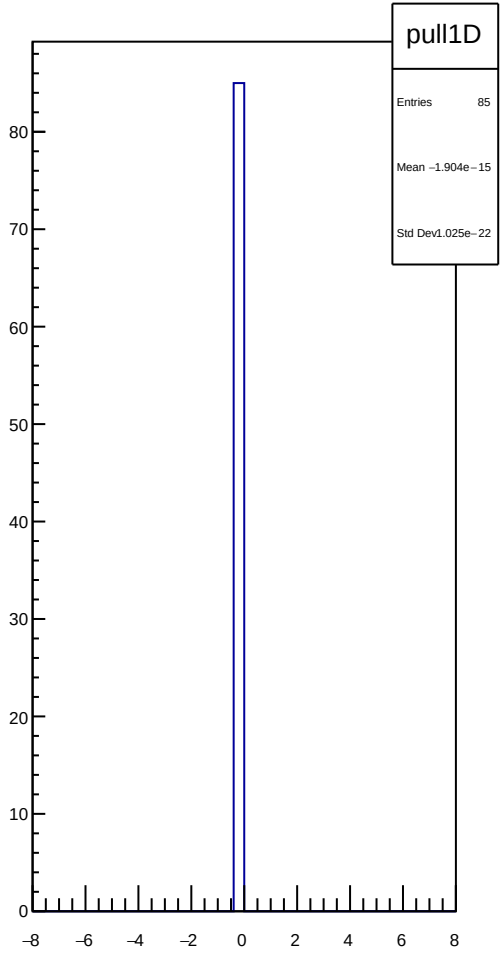


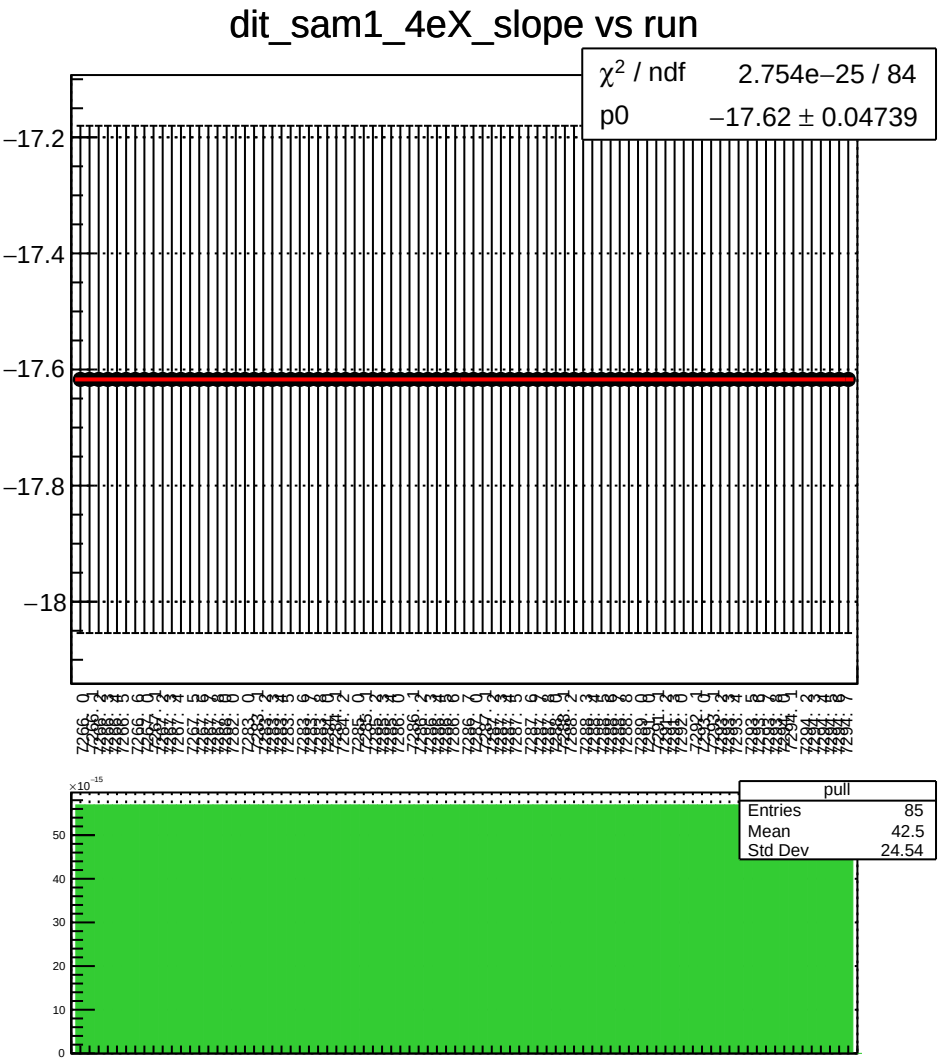


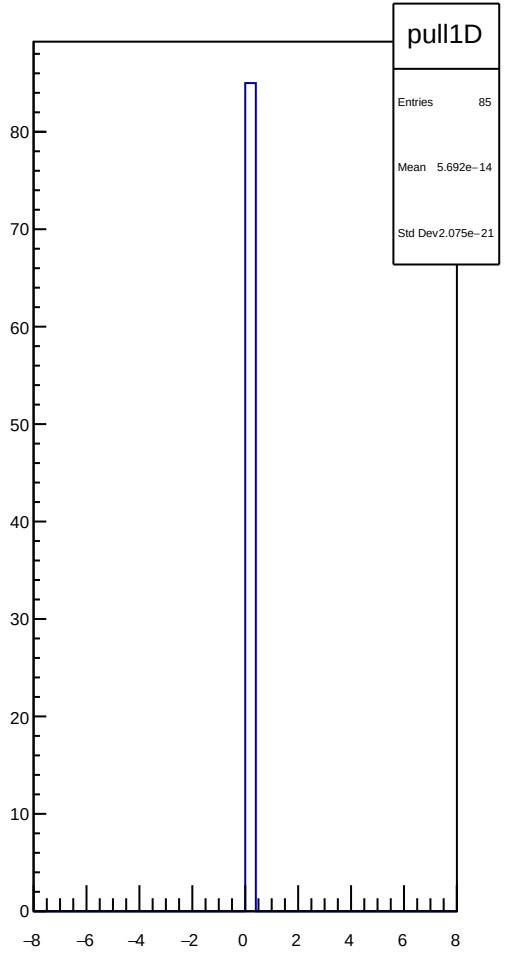

dit_atr2_4eY_slope vs run
χ^2 / ndf 1.703e−26 / 84
p0 93.96 ± 0.2178
96
95.5
95
94.5
94
93.5
93
92.5
92
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 85
Mean −1.415e−14
Std Dev 8.201e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4aX_slope vs run

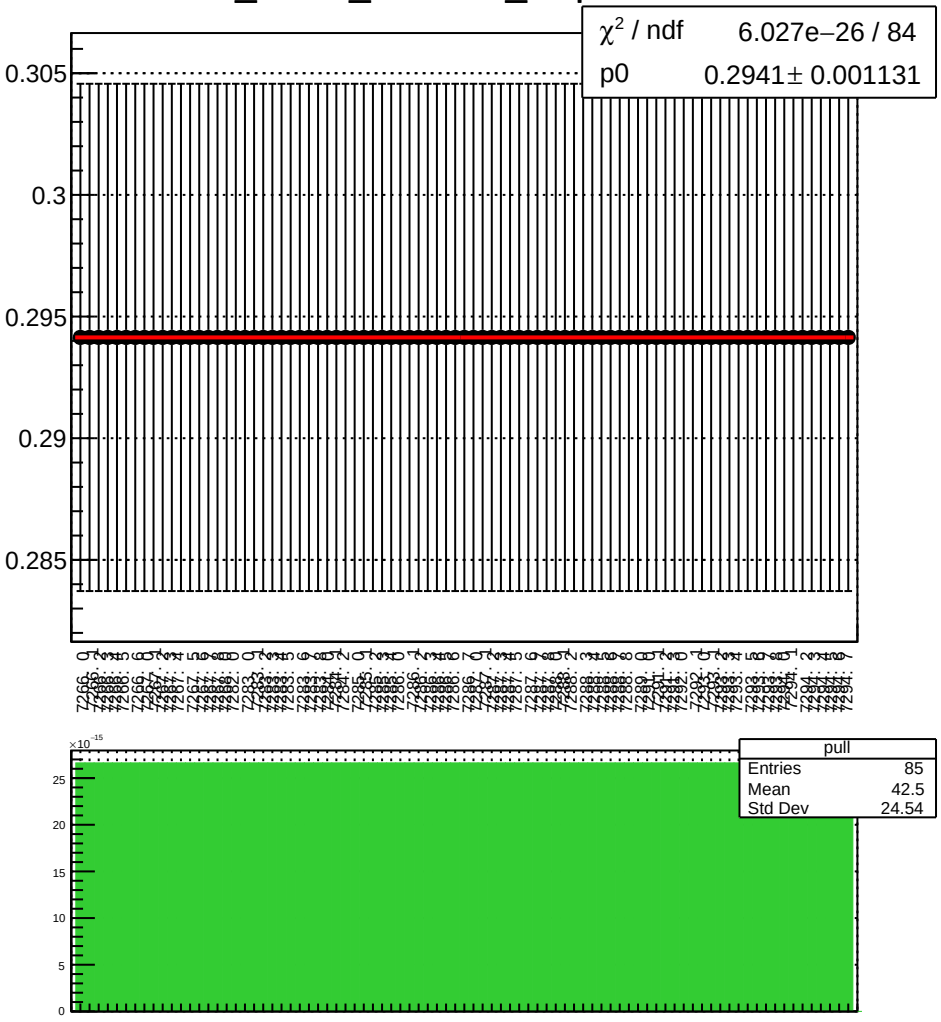


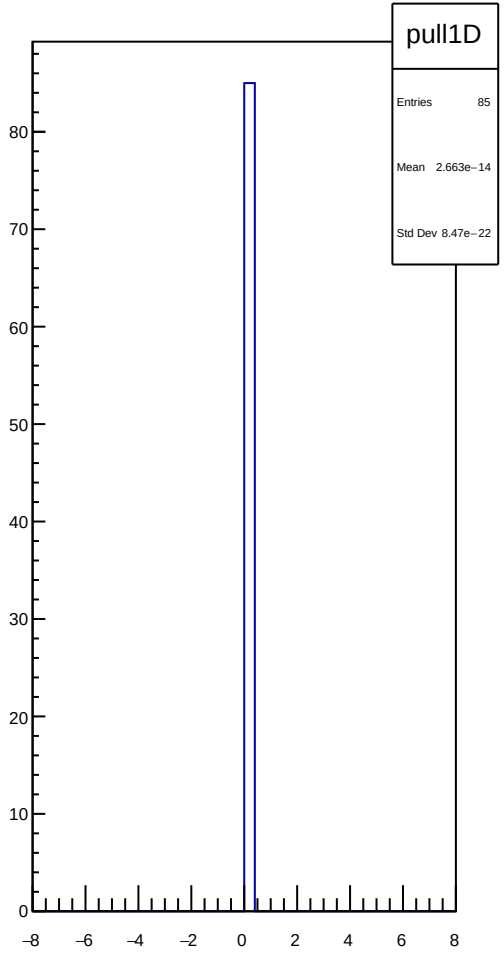


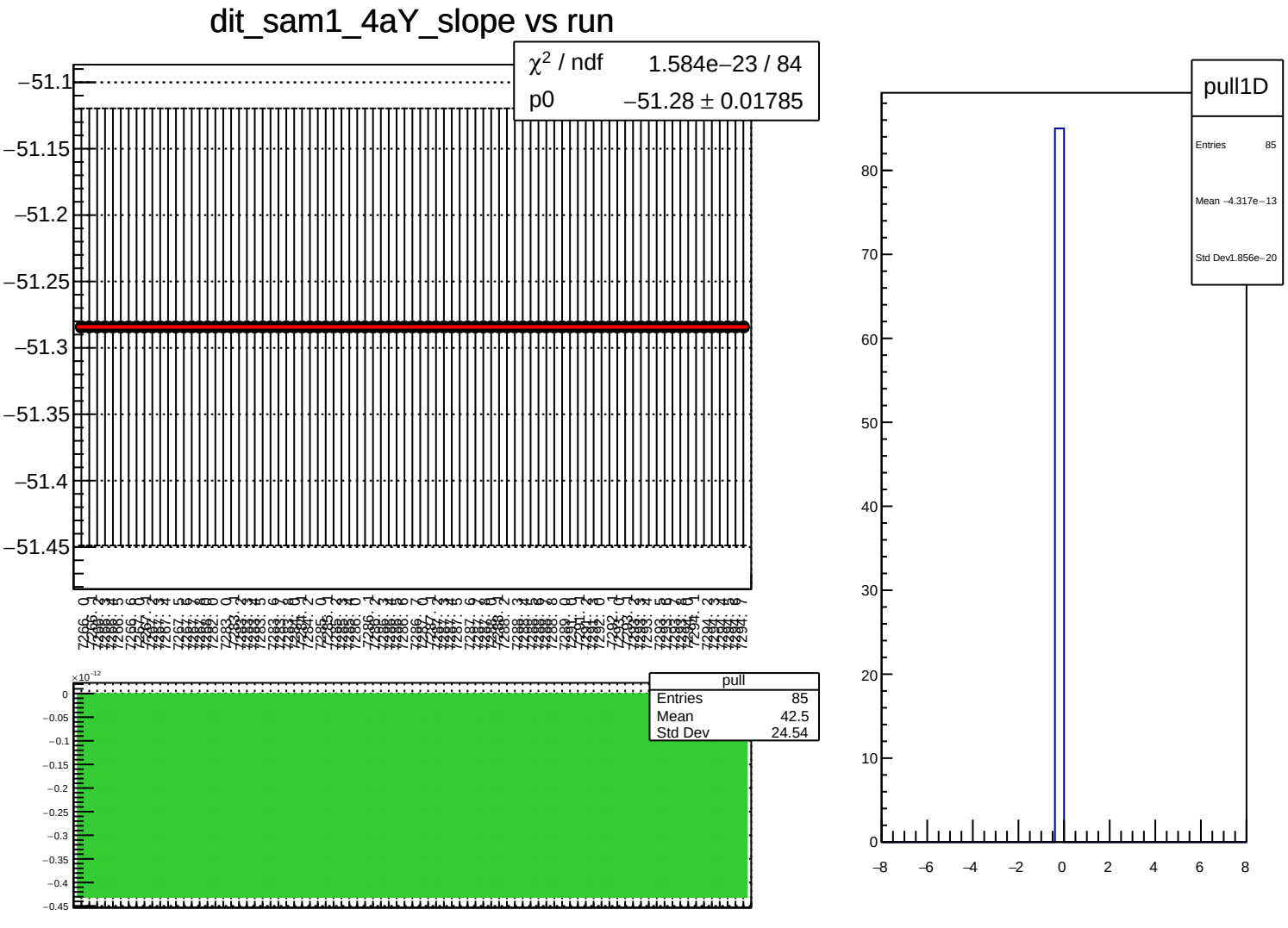

dit_sam1_4eX_slope vs run
χ^2 / ndf 2.754e−25 / 84
p0 −17.62 ± 0.04739
−17.2
−17.4
−17.6
−17.8
−18
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
50
40
30
20
10
0

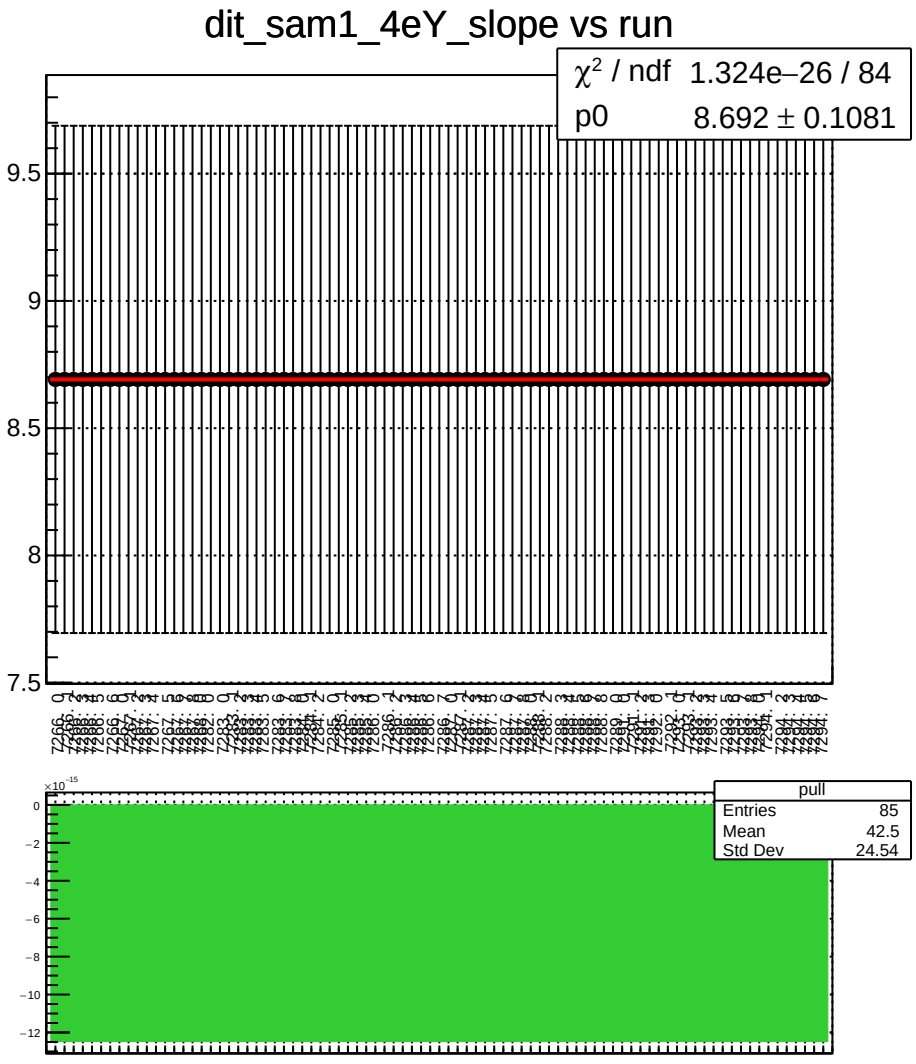

pull1D
Entries 85
Mean 5.692e−14
Std Dev 2.075e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

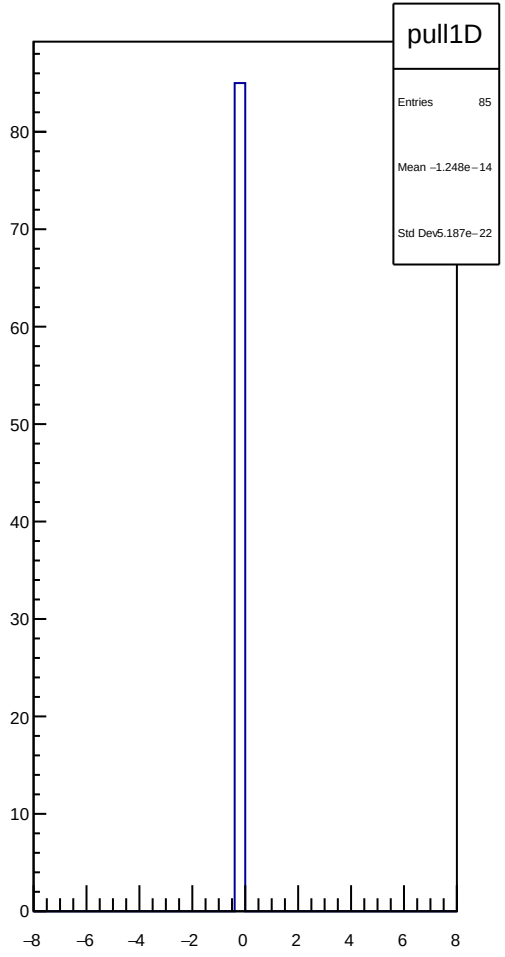
dit_sam1_11X12X_slope vs run



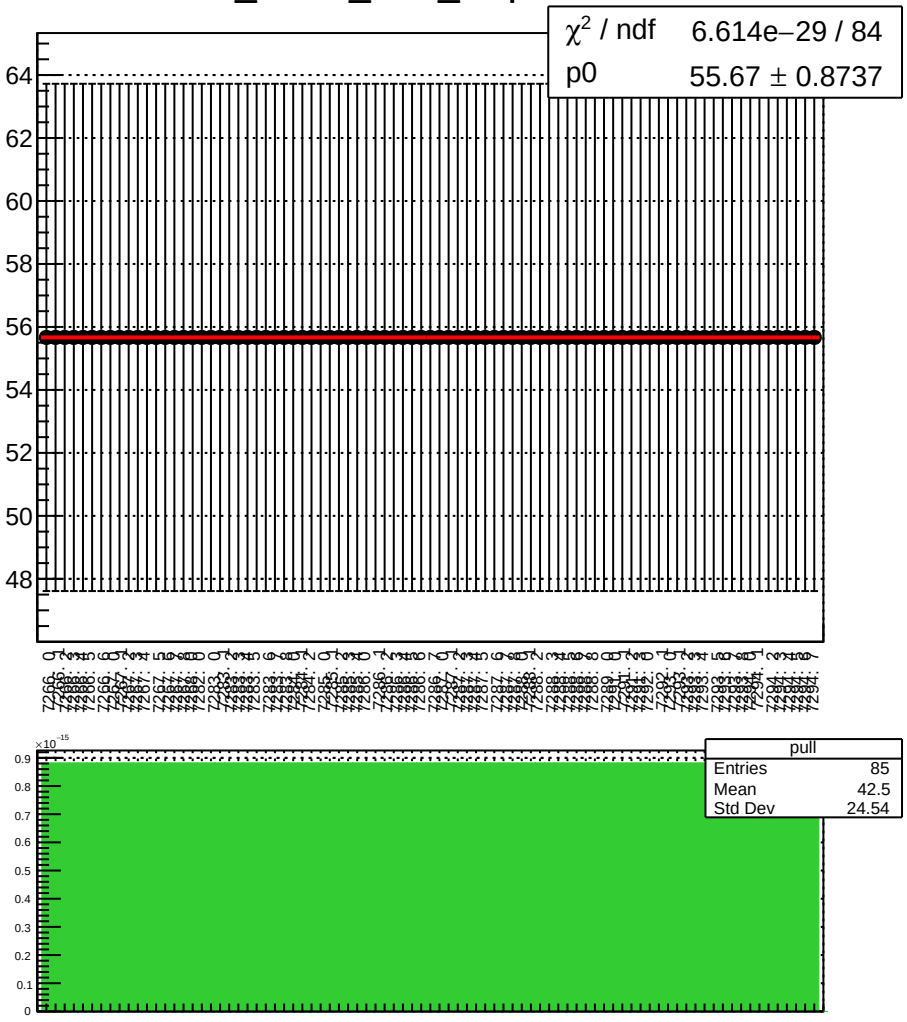


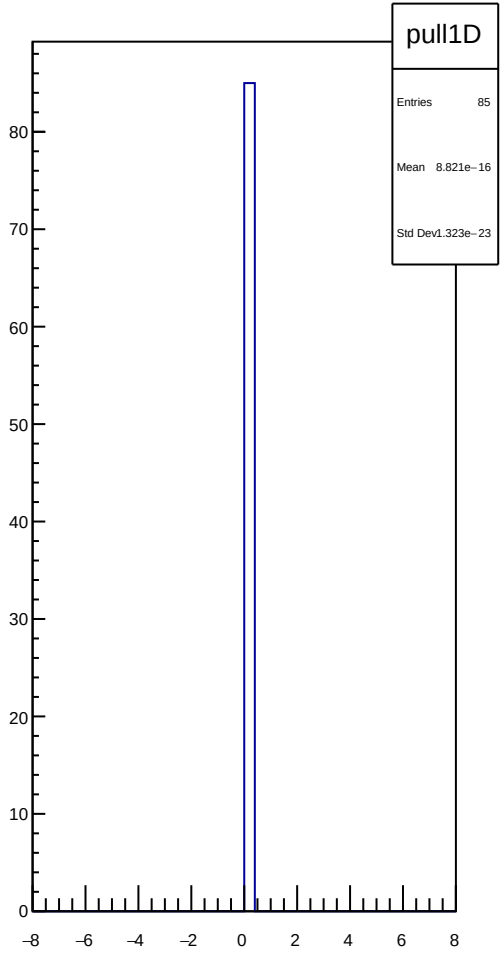

dit_sam1_4aY_slope vs run
χ² / ndf 1.584e−23 / 84
p0 −51.28 ± 0.01785
−51.1
−51.15
−51.2
−51.25
−51.3
−51.35
−51.4
−51.45
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
pull1D
Entries 85
Mean −4.317e−13
Std Dev 1.856e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

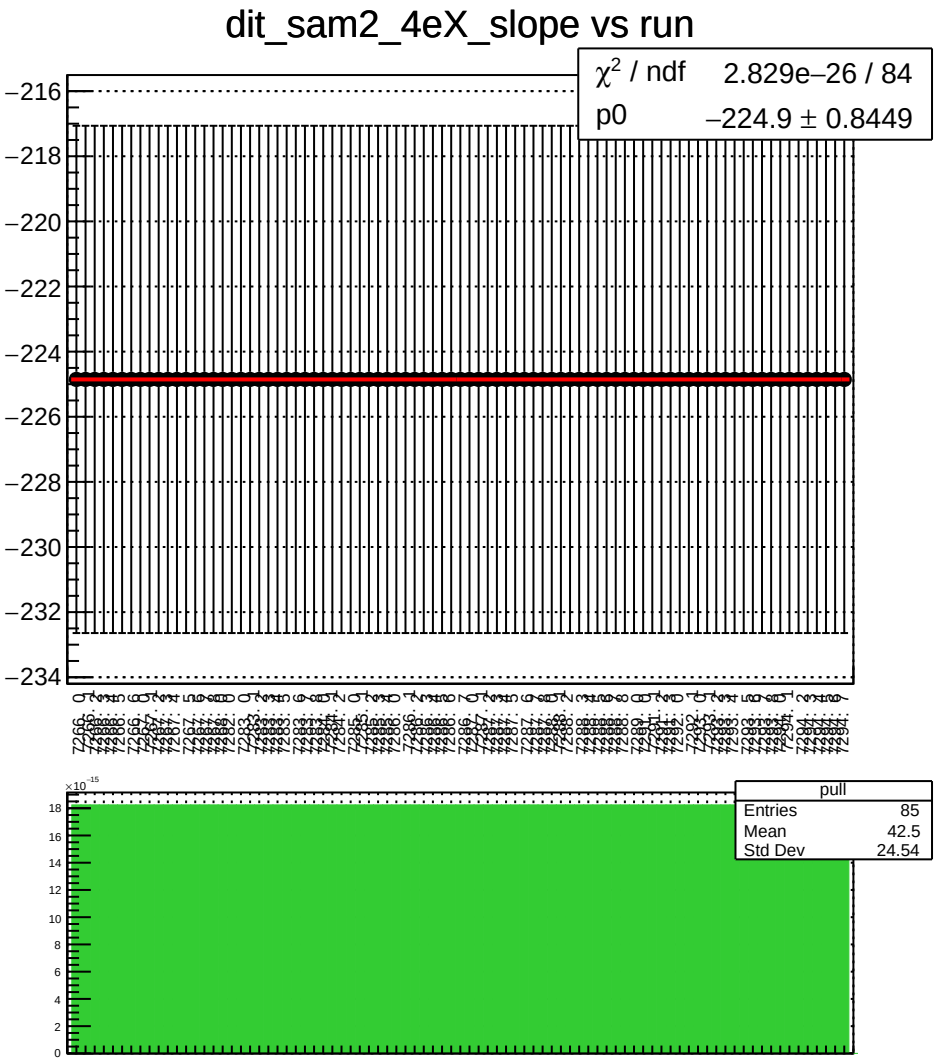

dit_sam1_4eY_slope vs run
χ^2 / ndf 1.324e−26 / 84
p0 8.692 ± 0.1081
9.5
9
8.5
8
7.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−2
−4
−6
−8
−10
−12

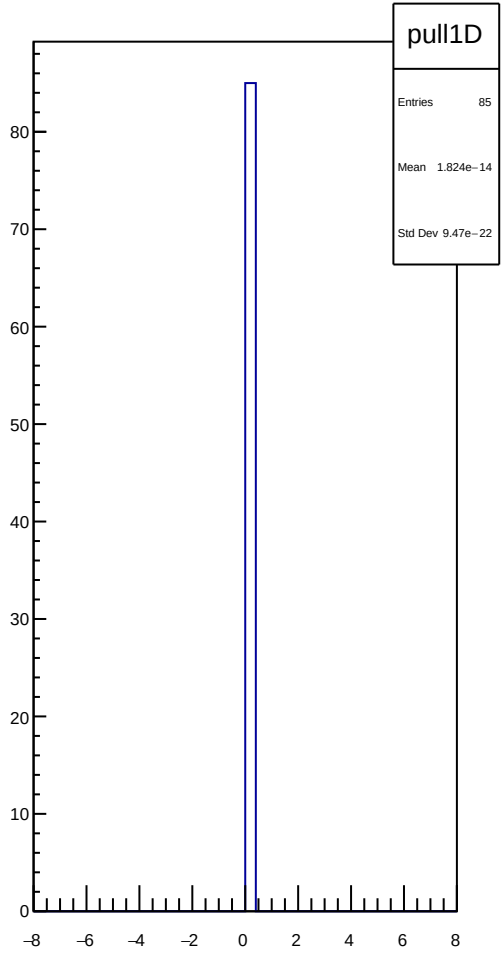

pull1D
Entries 85
Mean −1.248e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

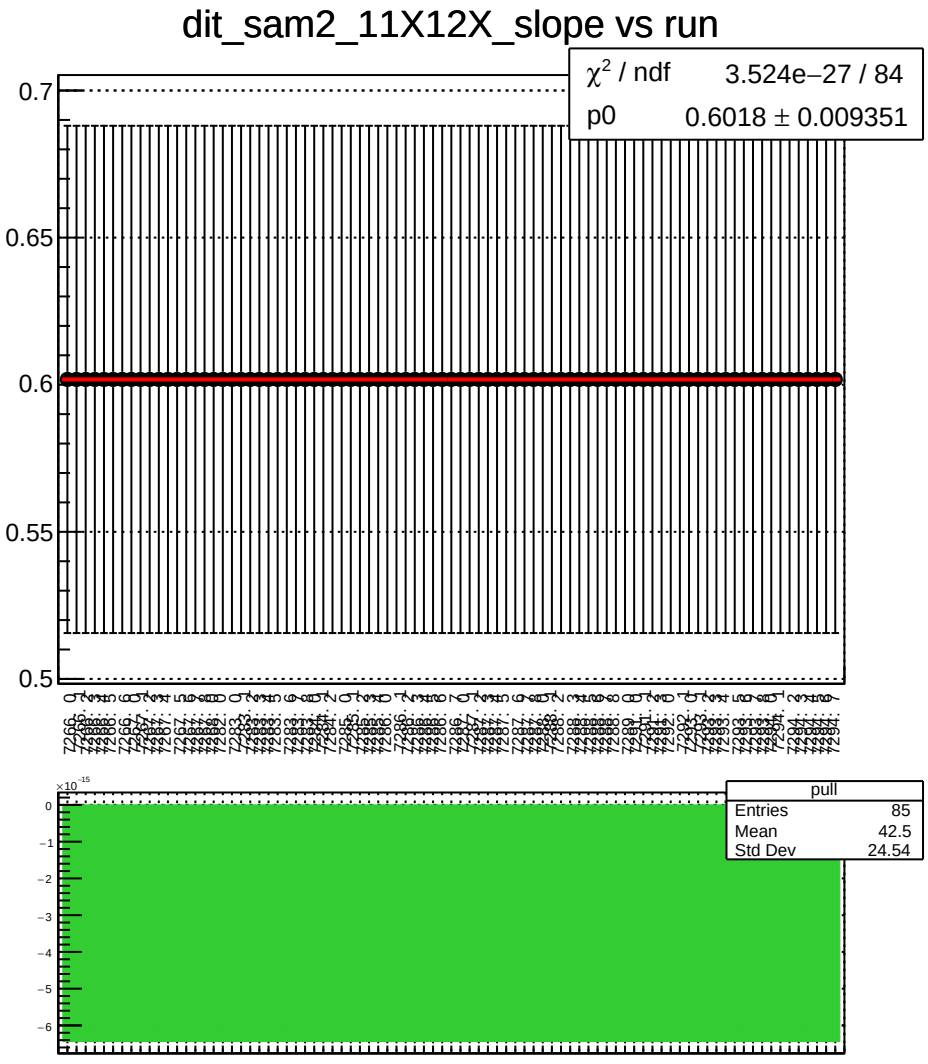
dit_sam2_4aX_slope vs run

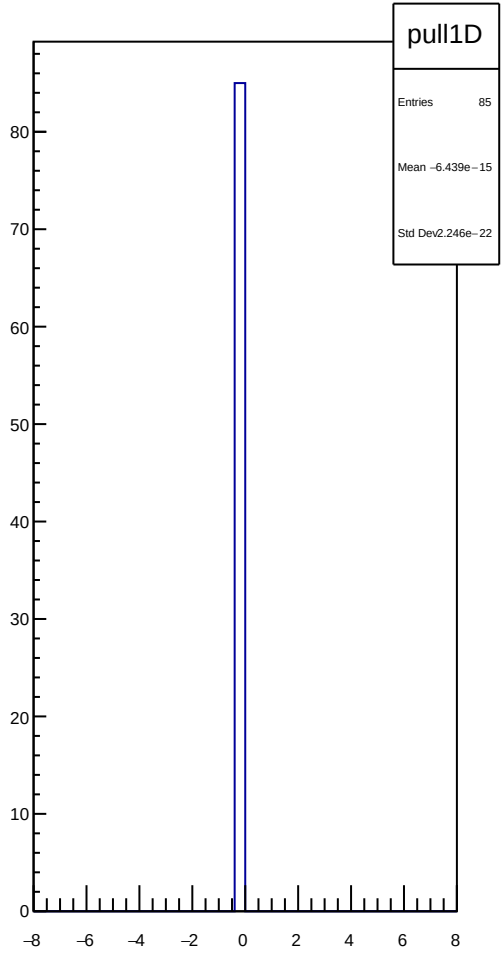


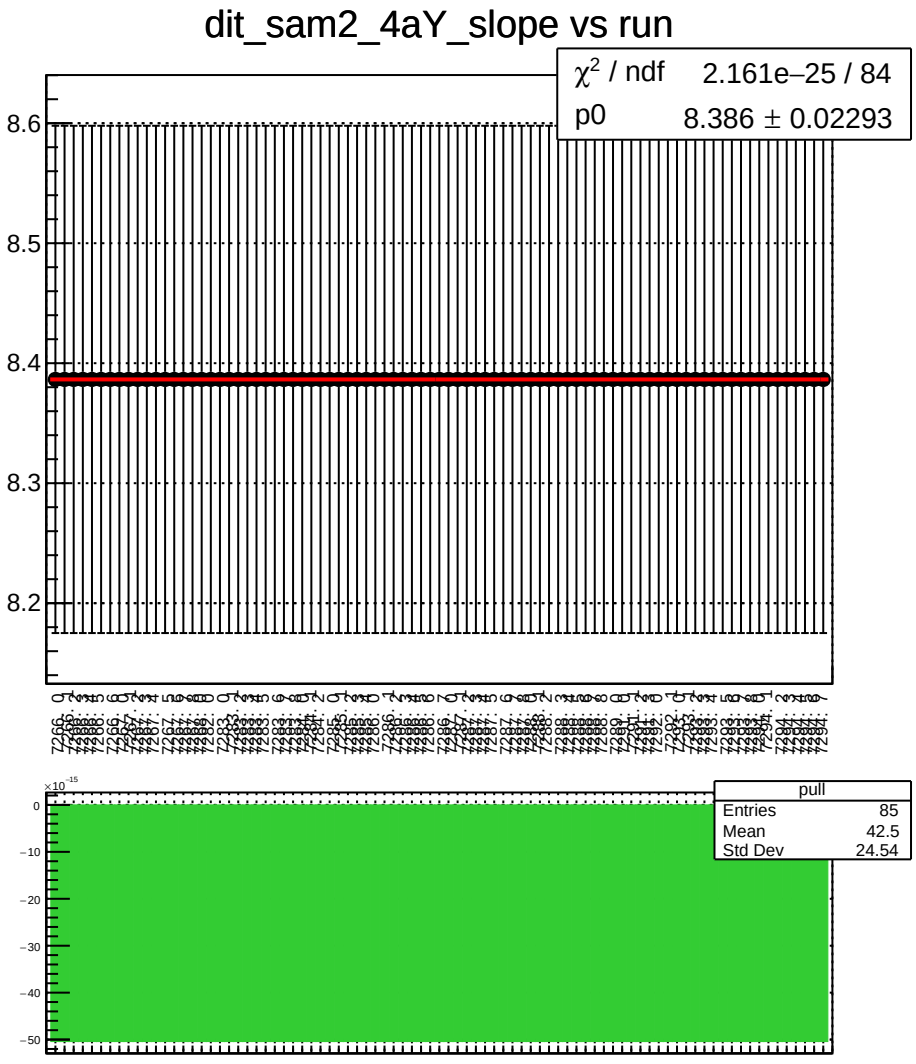


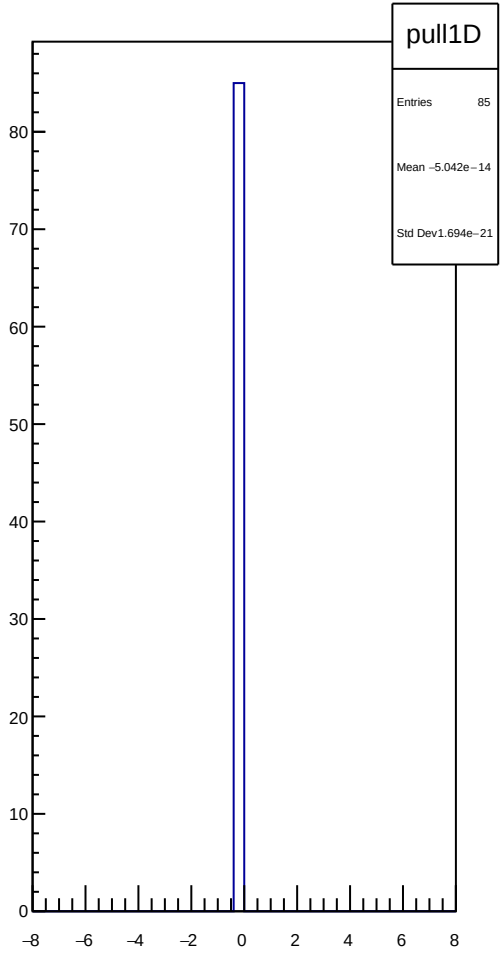

dit_sam2_4eX_slope vs run
χ^2 / ndf 2.829e−26 / 84
p0 −224.9 ± 0.8449
pull
Entries 85
Mean 42.5
Std Dev 24.54

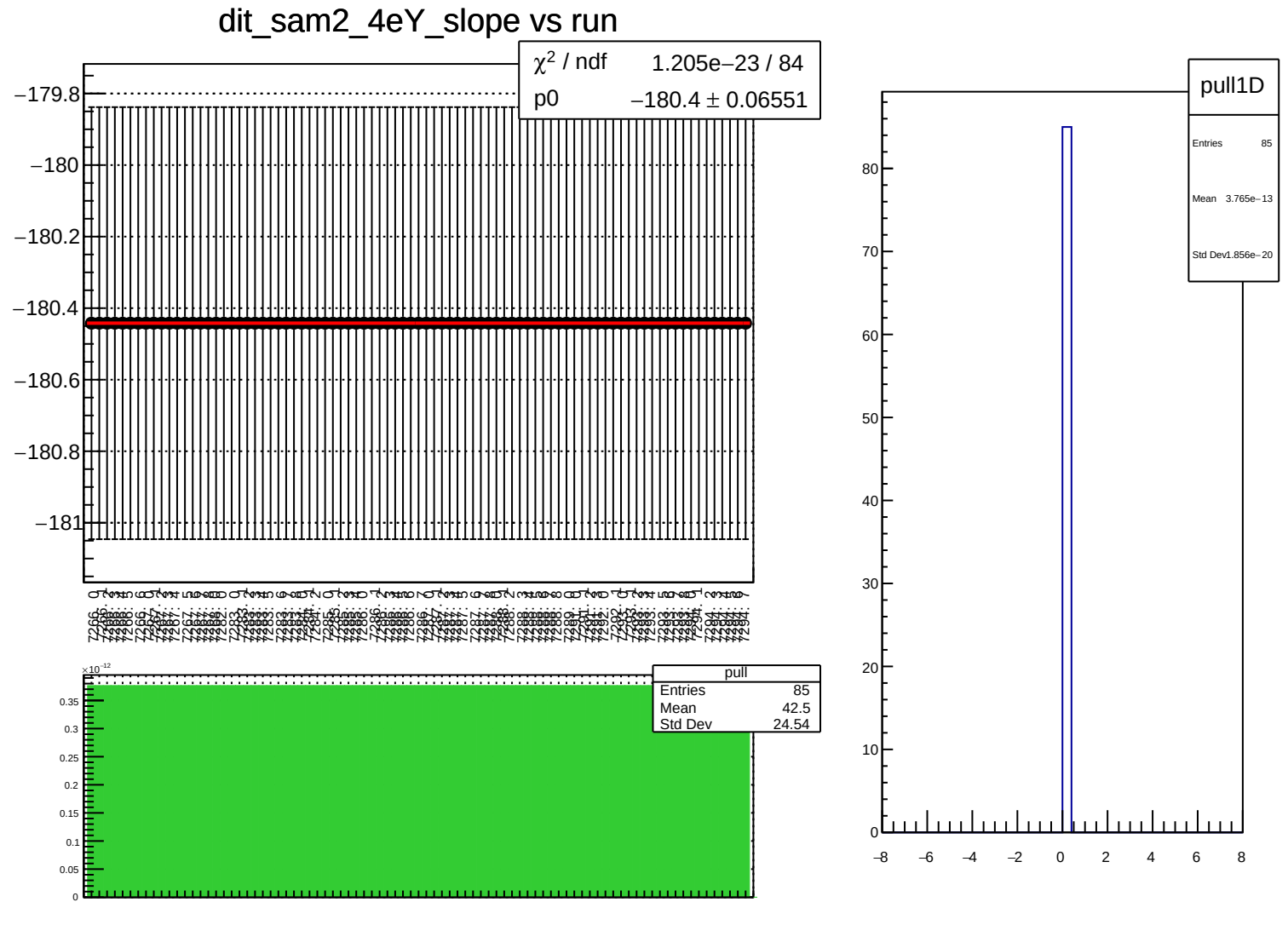

pull1D
Entries 85
Mean 1.824e−14
Std Dev 9.47e−22

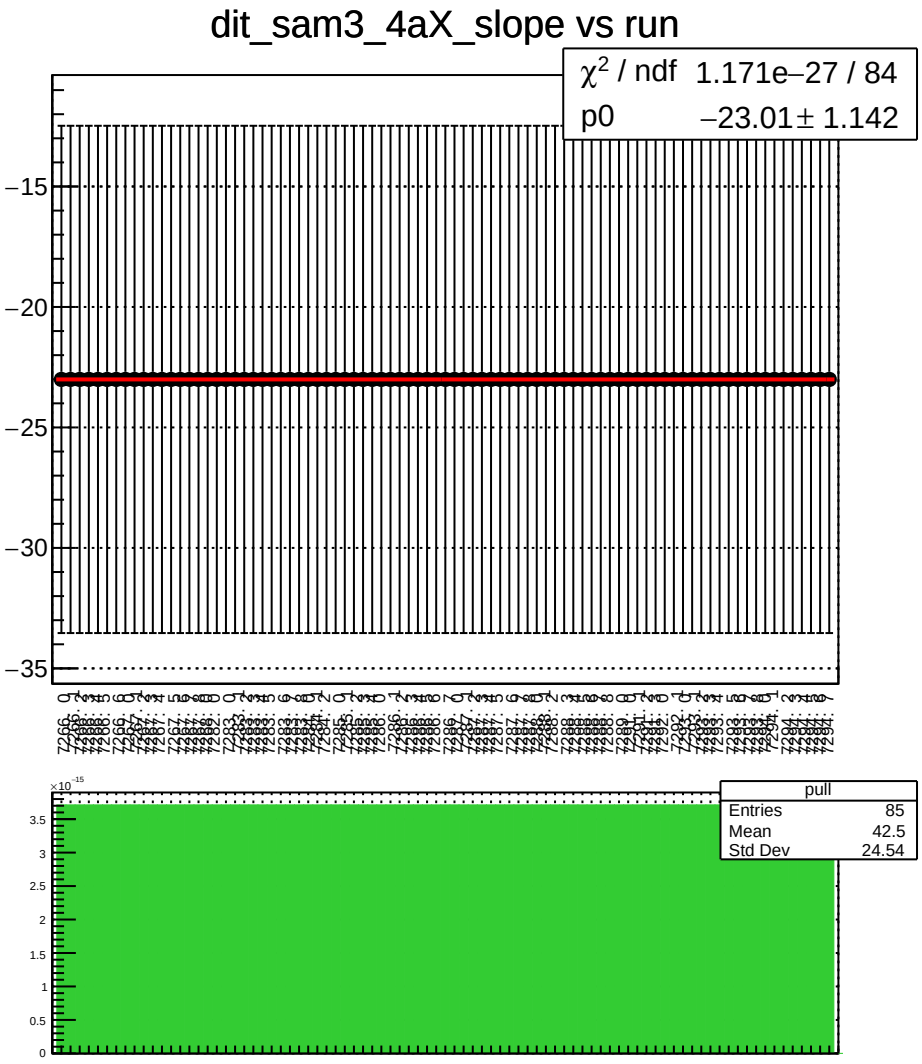

dit_sam2_11X12X_slope vs run
χ^2 / ndf 3.524e−27 / 84
p0 0.6018 ± 0.009351
0.7
0.65
0.6
0.55
0.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−1
−2
−3
−4
−5
−6

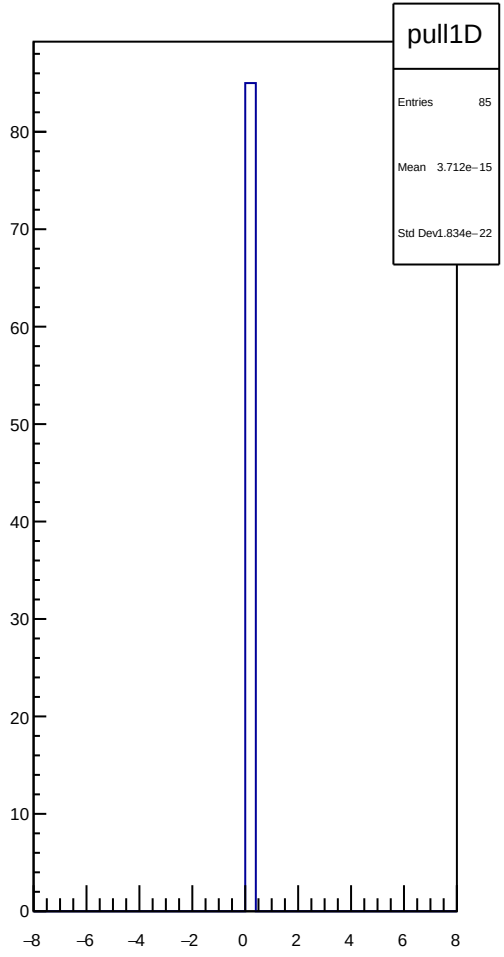

pull1D
Entries 85
Mean −6.439e−15
Std Dev 2.246e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

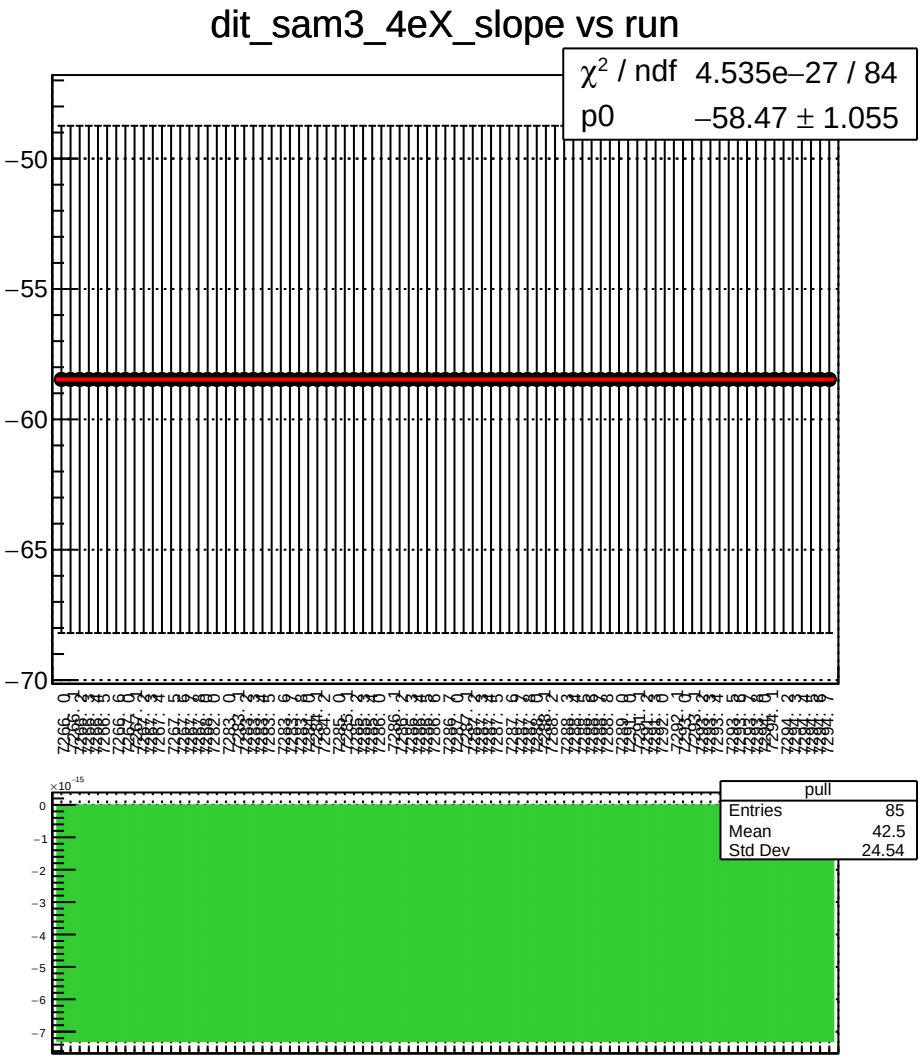

dit_sam2_4aY_slope vs run
χ^2 / ndf 2.161e−25 / 84
p0 8.386 ± 0.02293
8.6
8.5
8.4
8.3
8.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−10
−20
−30
−40
−50

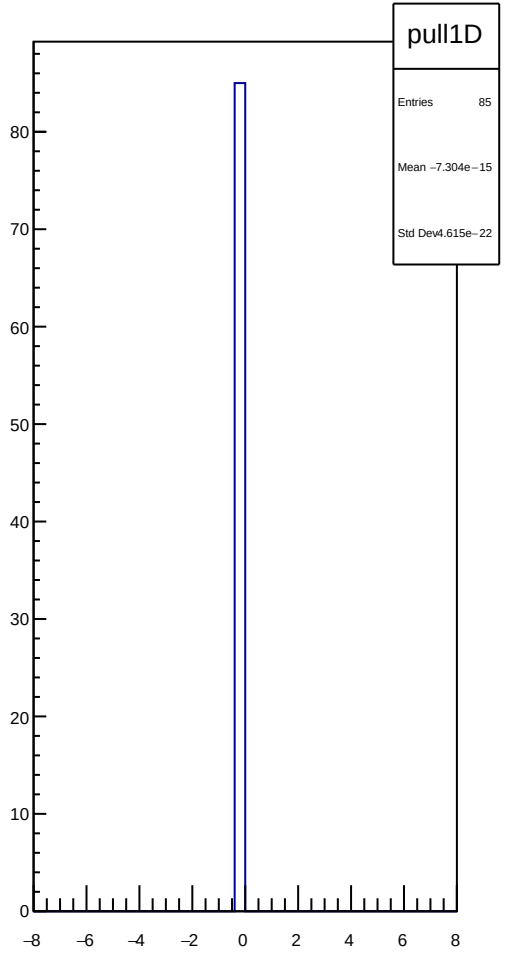

pull1D
Entries 85
Mean −5.042e−14
Std Dev 1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam2_4eY_slope vs run
χ² / ndf 1.205e−23 / 84
p0 −180.4 ± 0.06551
−179.8
−180
−180.2
−180.4
−180.6
−180.8
−181
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 85
Mean 3.765e−13
Std Dev 1.856e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

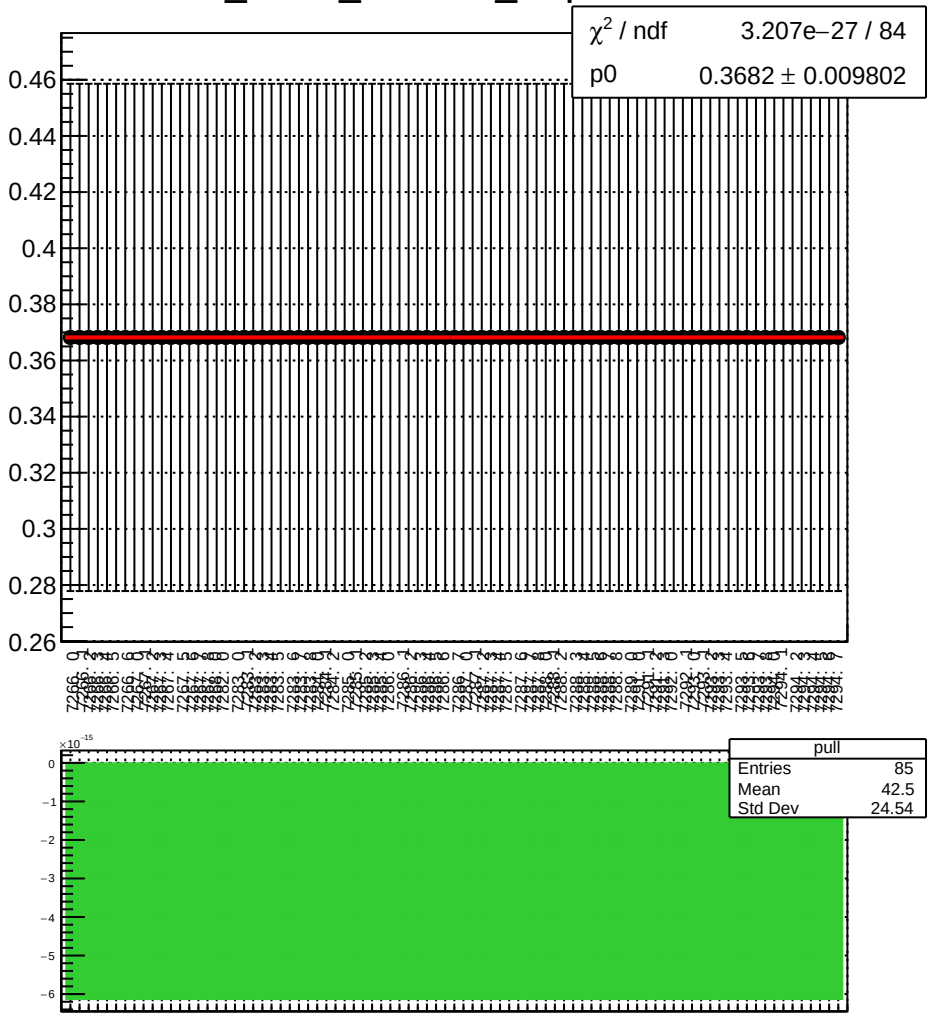

dit_sam3_4aX_slope vs run
χ^2 / ndf 1.171e−27 / 84
p0 −23.01 ± 1.142
−15
−20
−25
−30
−35
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
3.5
3
2.5
2
1.5
1
0.5
0

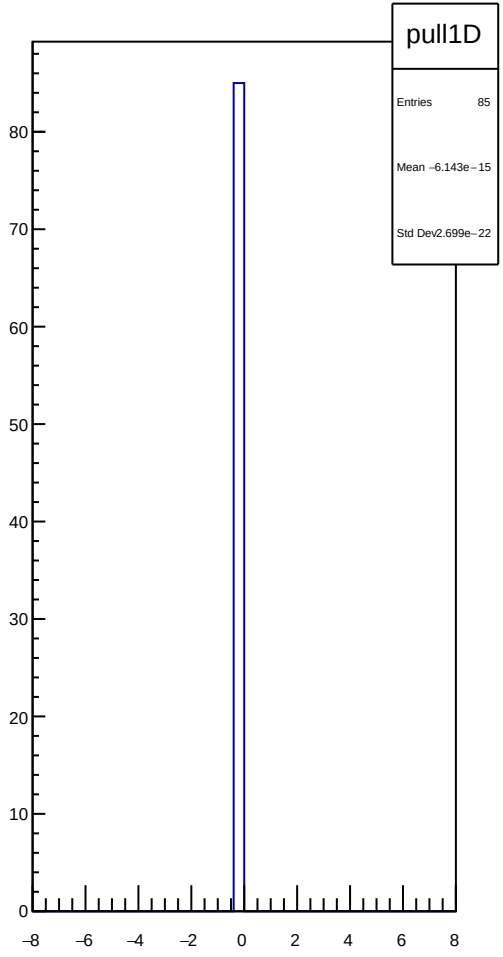

pull1D
Entries 85
Mean 3.712e−15
Std Dev 1.834e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

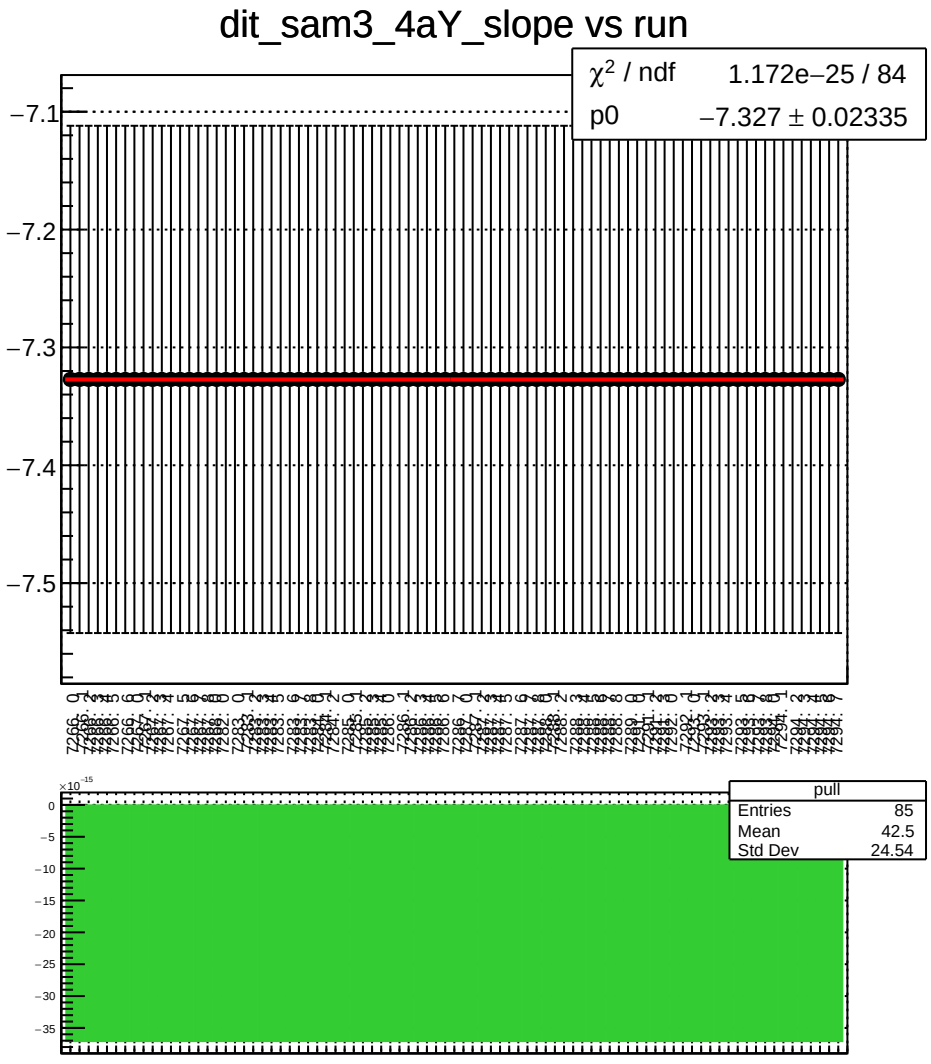

dit_sam3_4eX_slope vs run
χ^2 / ndf 4.535e−27 / 84
p0 −58.47 ± 1.055
−50
−55
−60
−65
−70
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−1
−2
−3
−4
−5
−6
−7

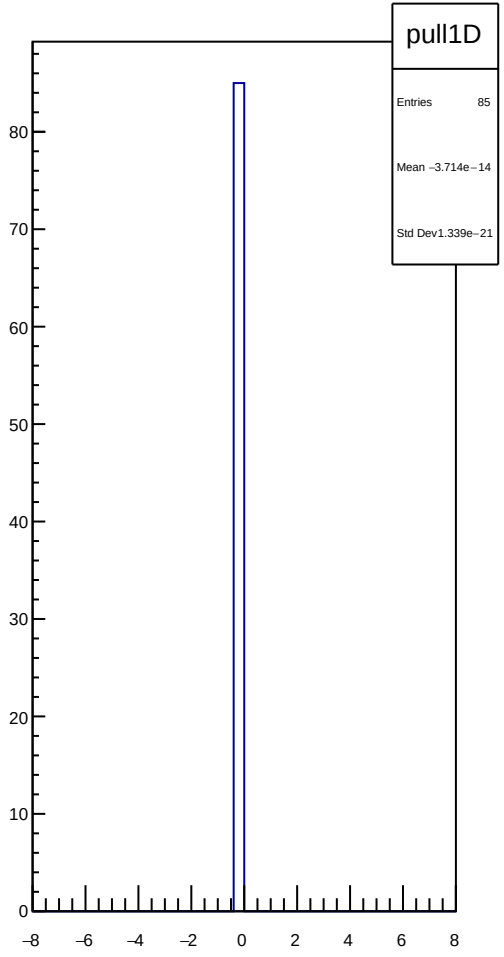

pull1D
Entries 85
Mean −7.304e−15
Std Dev4.615e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

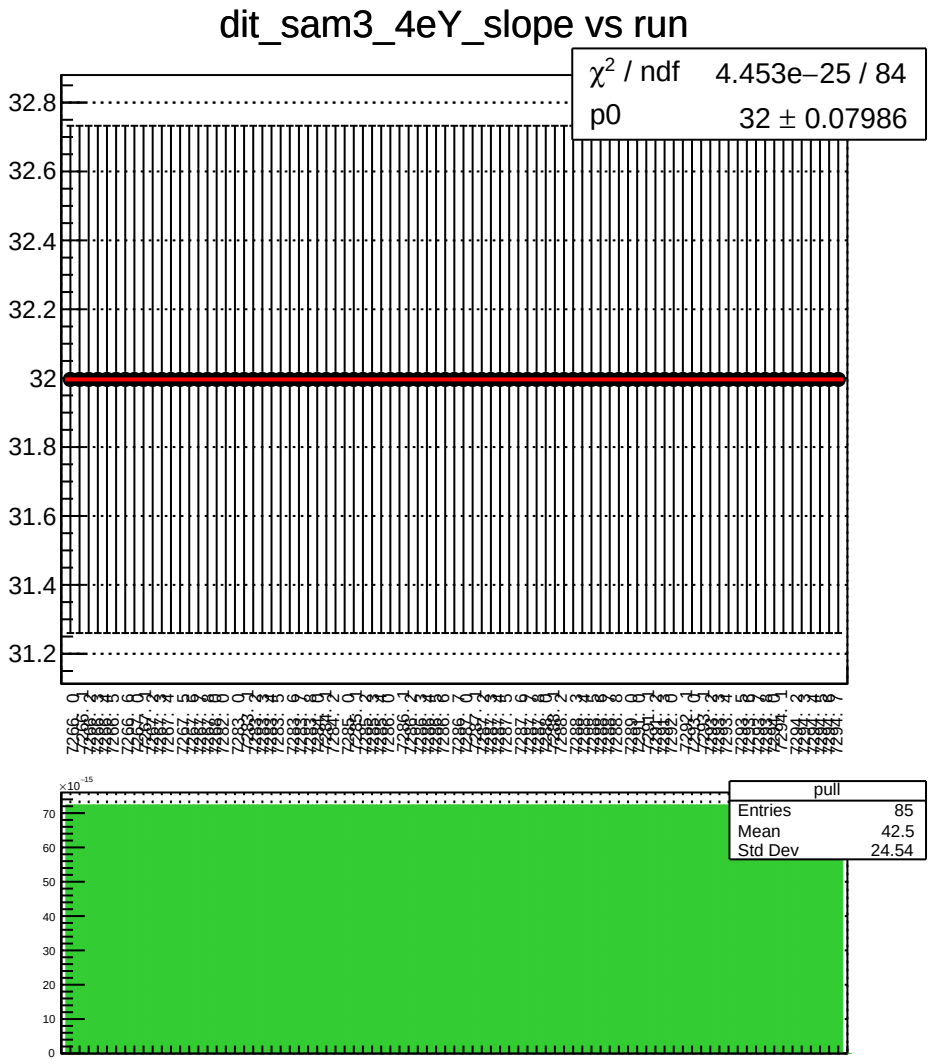
dit_sam3_11X12X_slope vs run

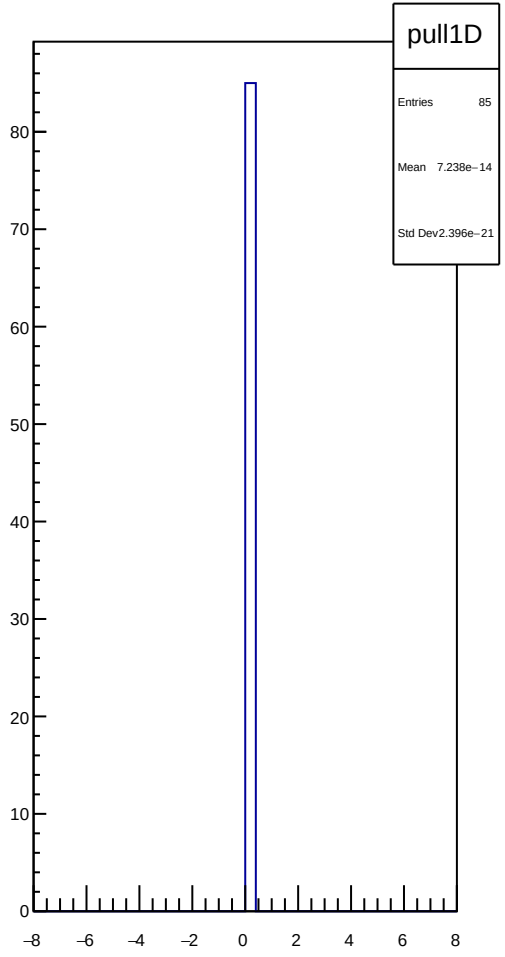


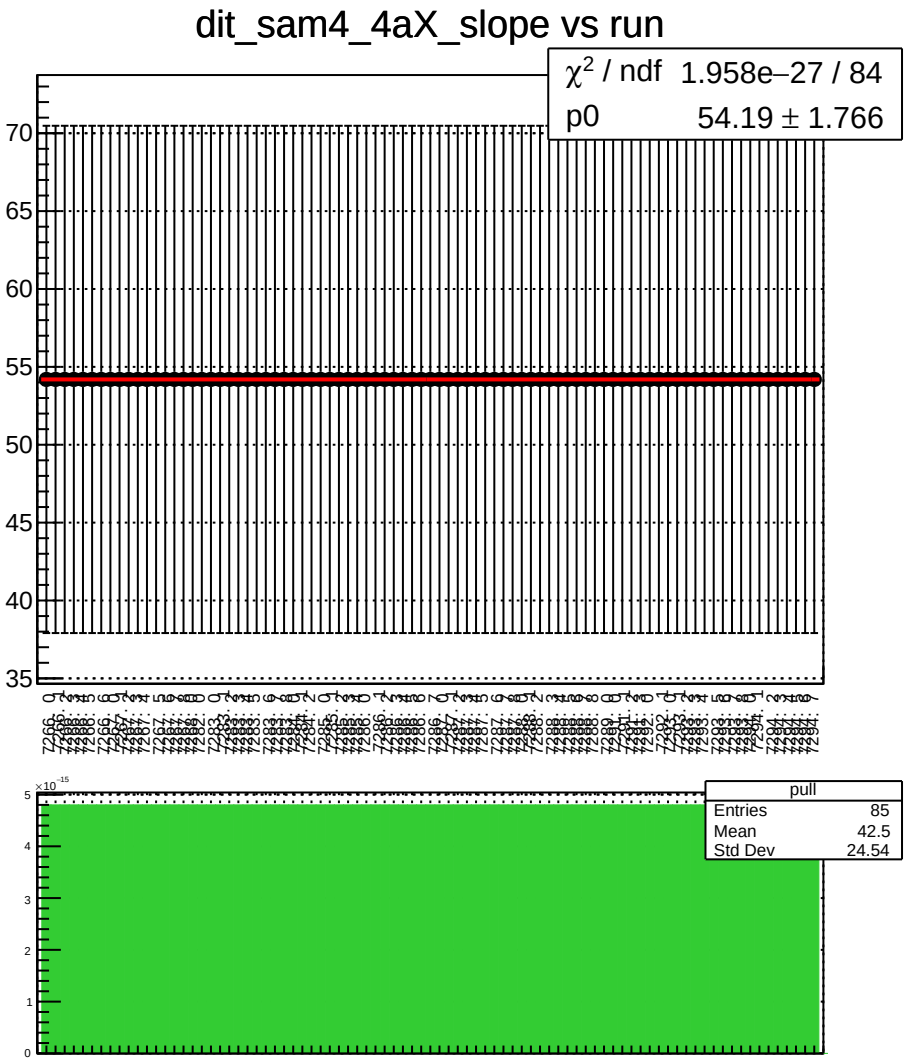


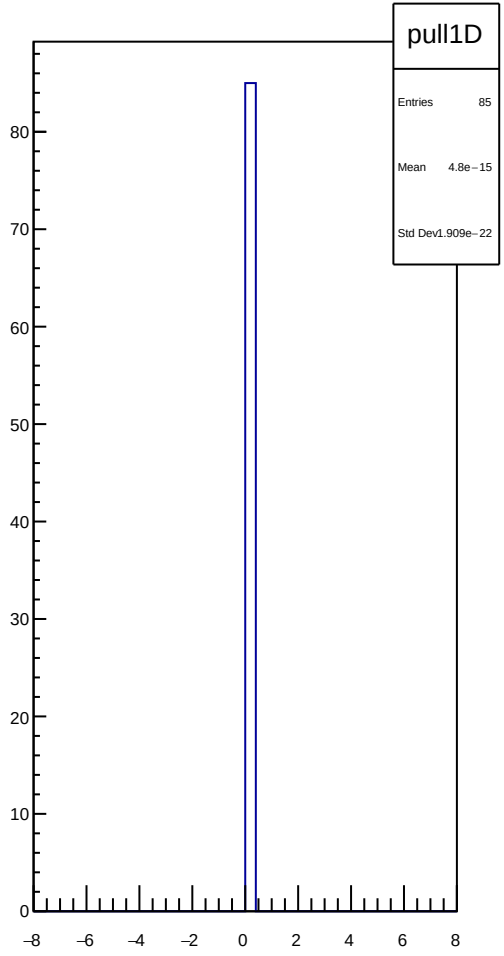

dit_sam3_4aY_slope vs run
χ^2 / ndf 1.172e−25 / 84
p0 −7.327 ± 0.02335
−7.1
−7.2
−7.3
−7.4
−7.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−5
−10
−15
−20
−25
−30
−35

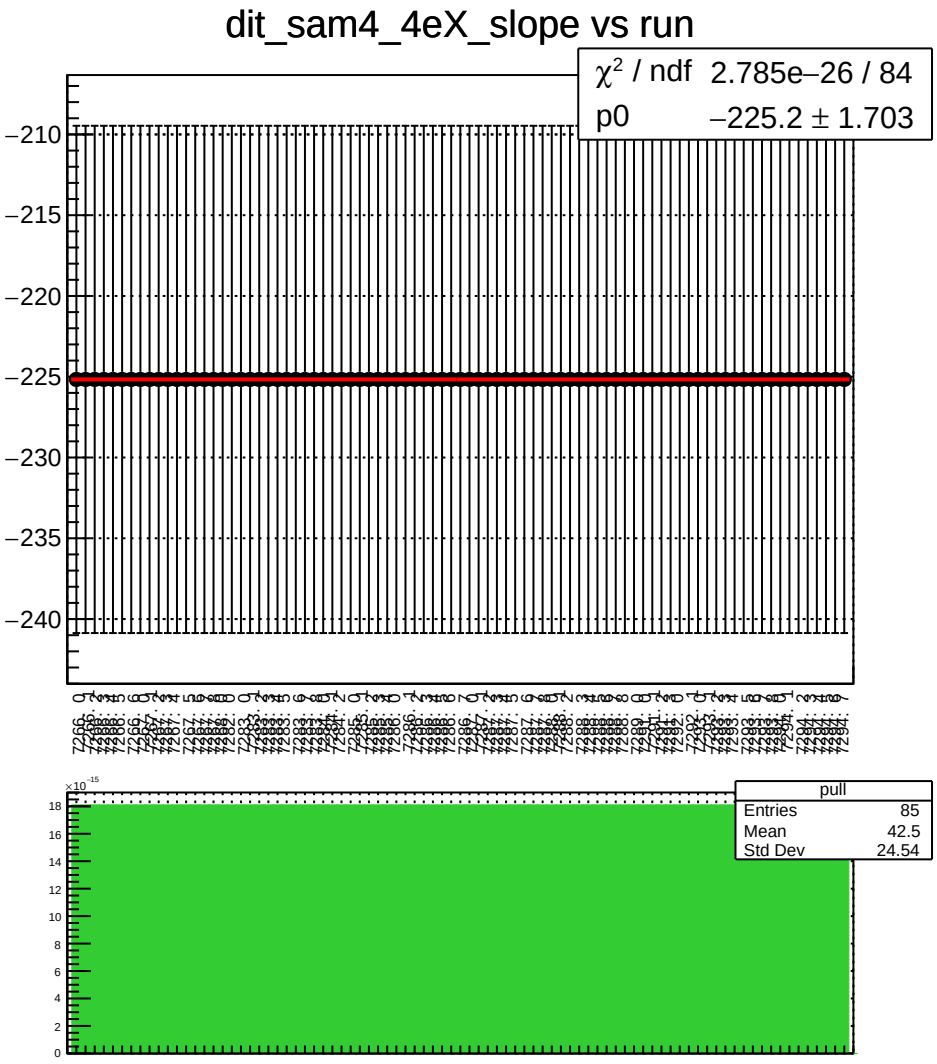

pull1D
Entries 85
Mean −3.714e−14
Std Dev 1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

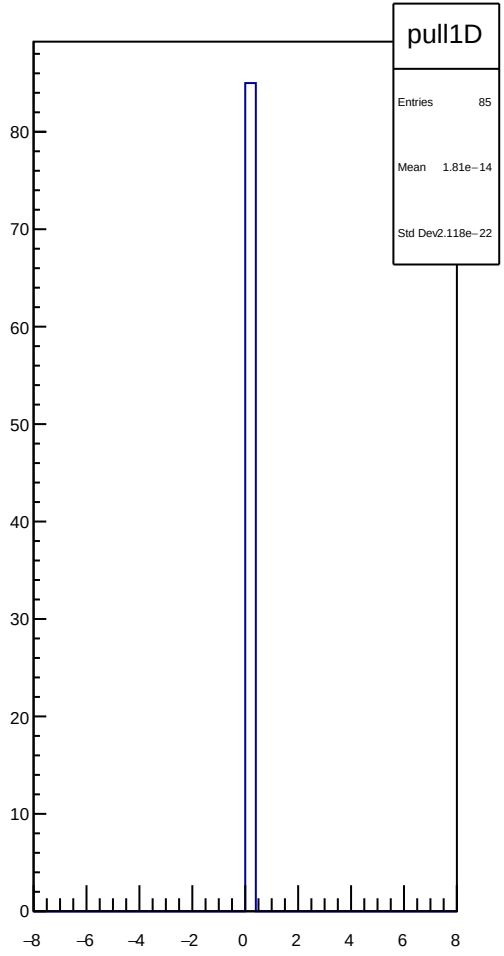

dit_sam3_4eY_slope vs run
χ^2 / ndf 4.453e−25 / 84
p0 32 ± 0.07986
32.8
32.6
32.4
32.2
32
31.8
31.6
31.4
31.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
70
60
50
40
30
20
10
0


pull1D
Entries 85
Mean 7.238e−14
Std Dev 2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

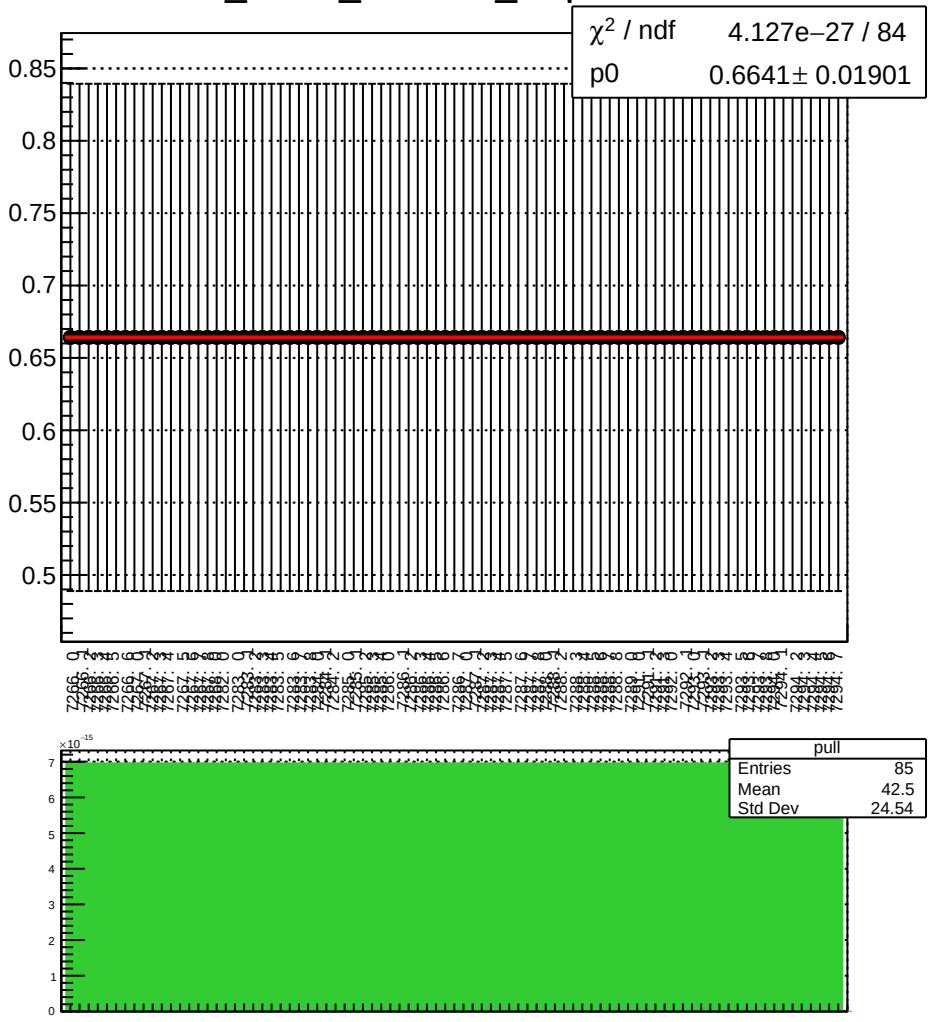

dit_sam4_4aX_slope vs run
χ^2 / ndf 1.958e−27 / 84
p0 54.19 ± 1.766
pull
Entries 85
Mean 42.5
Std Dev 24.54

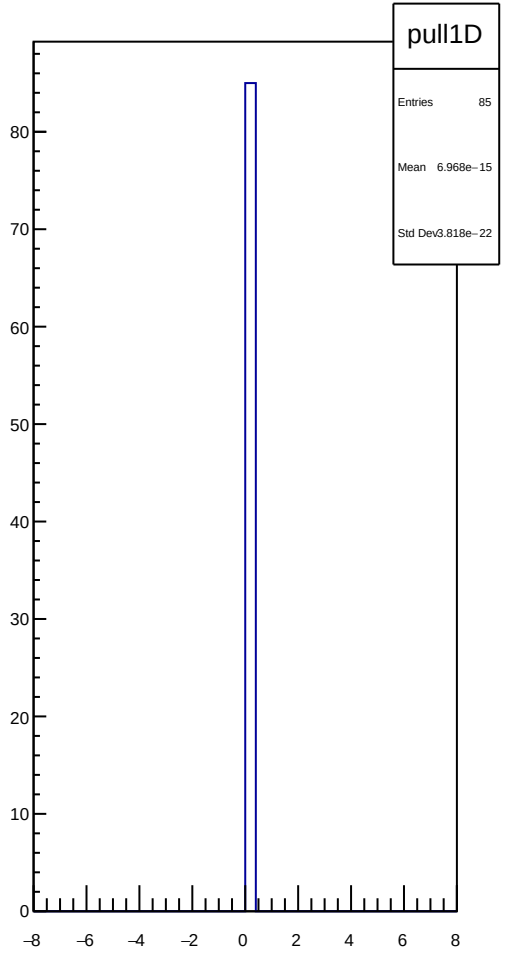

pull1D
Entries 85
Mean 4.8e−15
Std Dev 1.909e−22

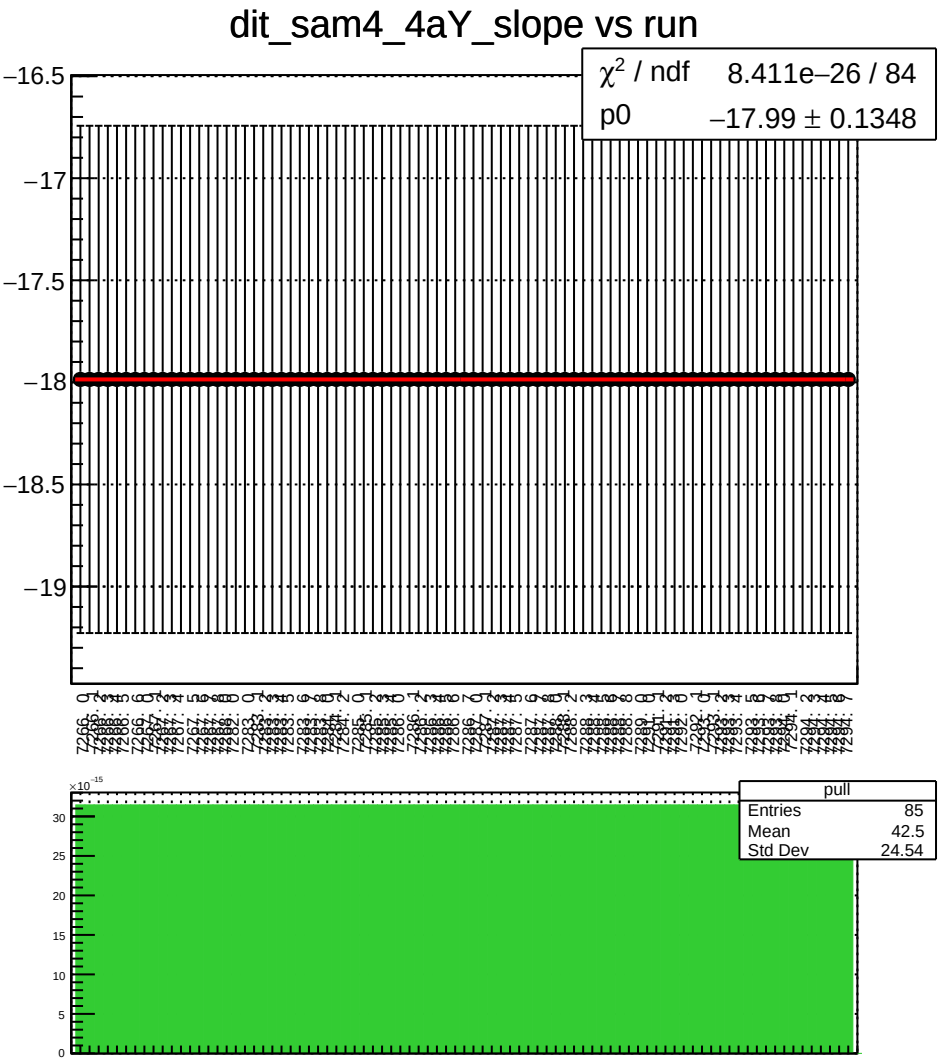

dit_sam4_4eX_slope vs run
χ^2 / ndf 2.785e−26 / 84
p0 −225.2 ± 1.703
−210
−215
−220
−225
−230
−235
−240
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
18
16
14
12
10
8
6
4
2
0

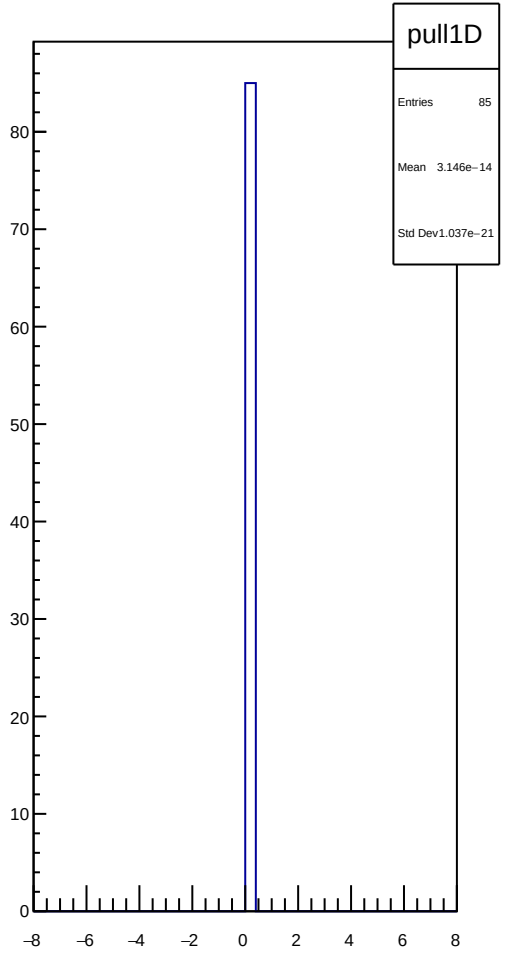

pull1D
Entries 85
Mean 1.81e−14
Std Dev 2.118e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

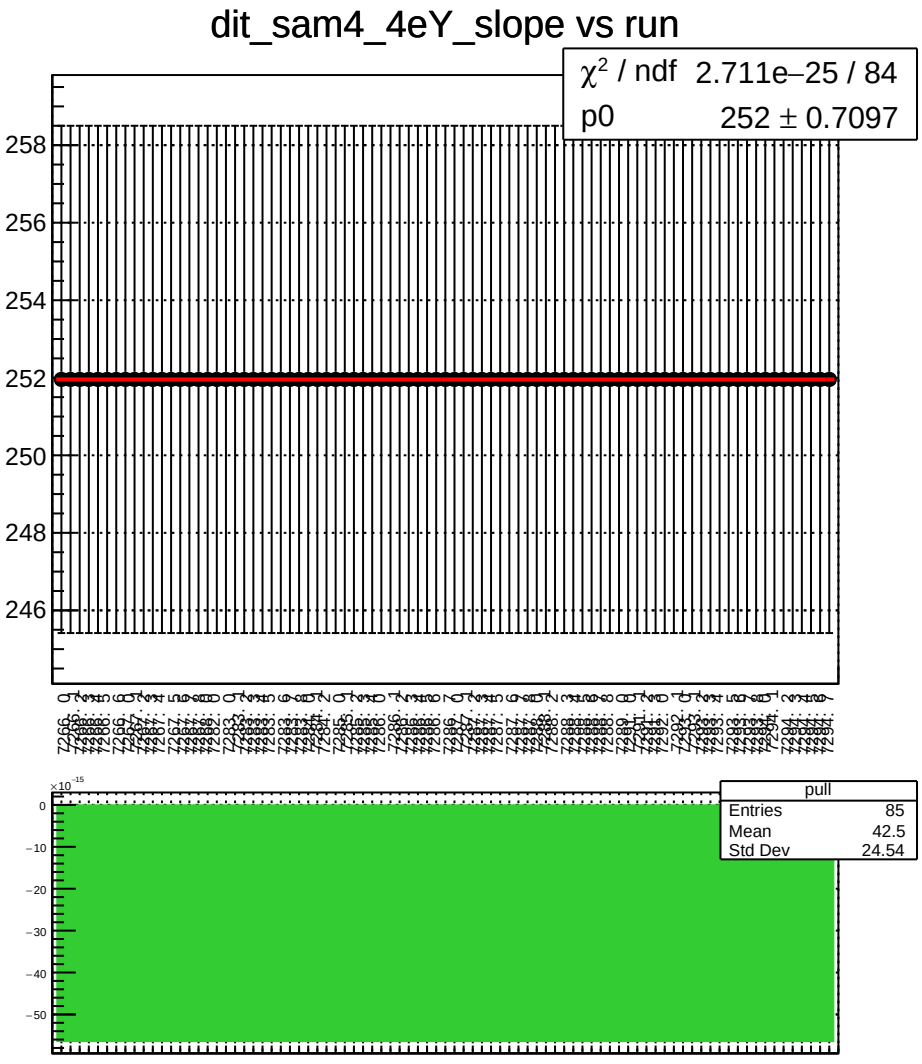
dit_sam4_11X12X_slope vs run

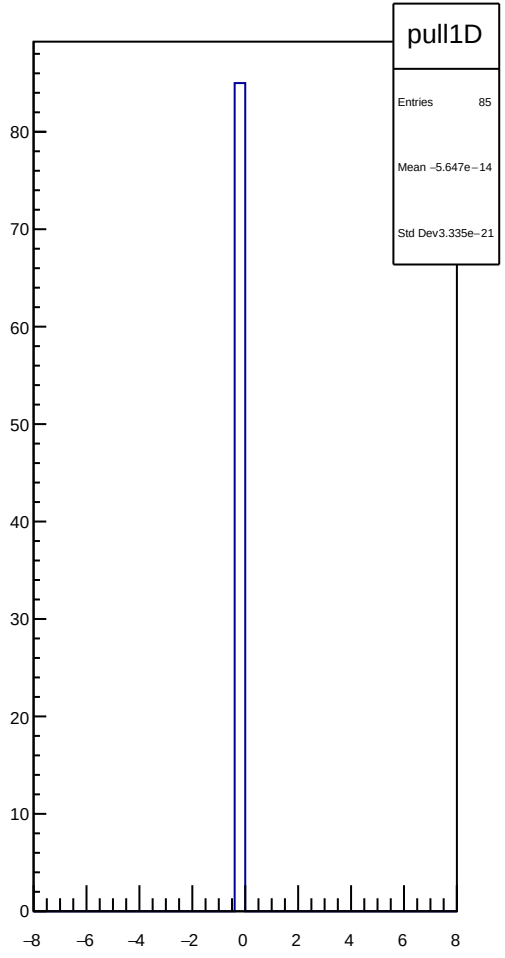


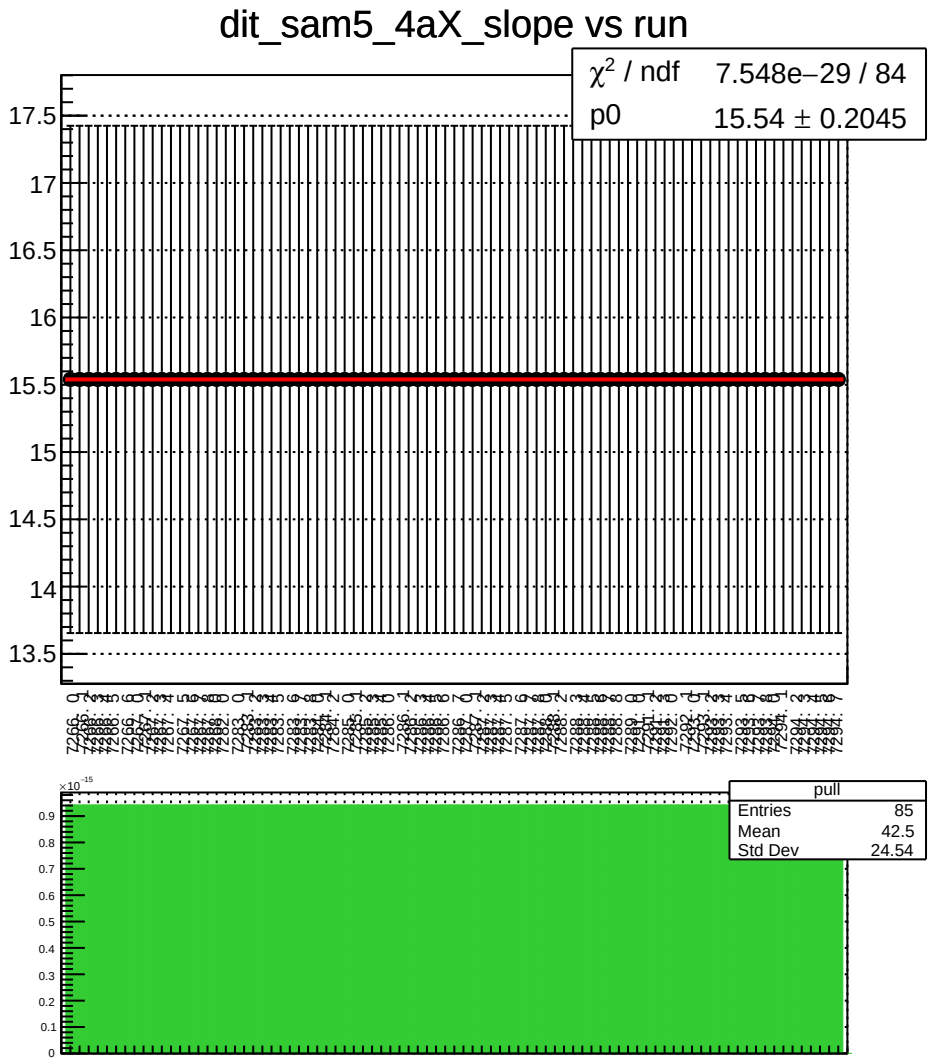


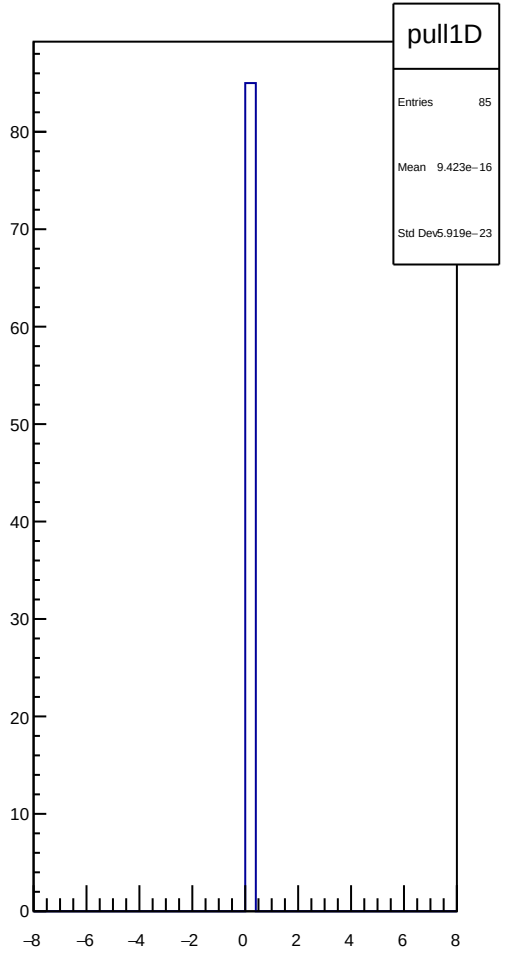

dit_sam4_4aY_slope vs run
χ^2 / ndf 8.411e−26 / 84
p0 −17.99 ± 0.1348
−16.5
−17
−17.5
−18
−18.5
−19
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
30
25
20
15
10
5
0

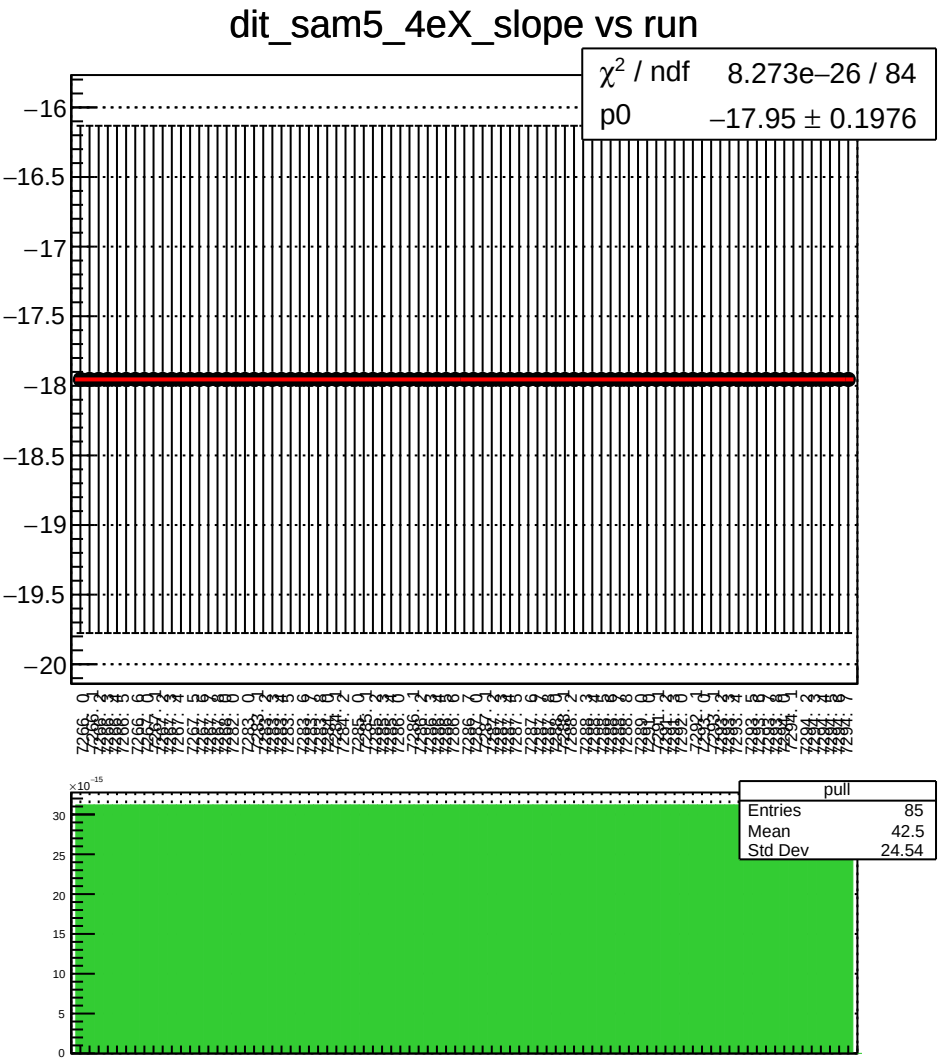

pull1D
Entries 85
Mean 3.146e−14
Std Dev 1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

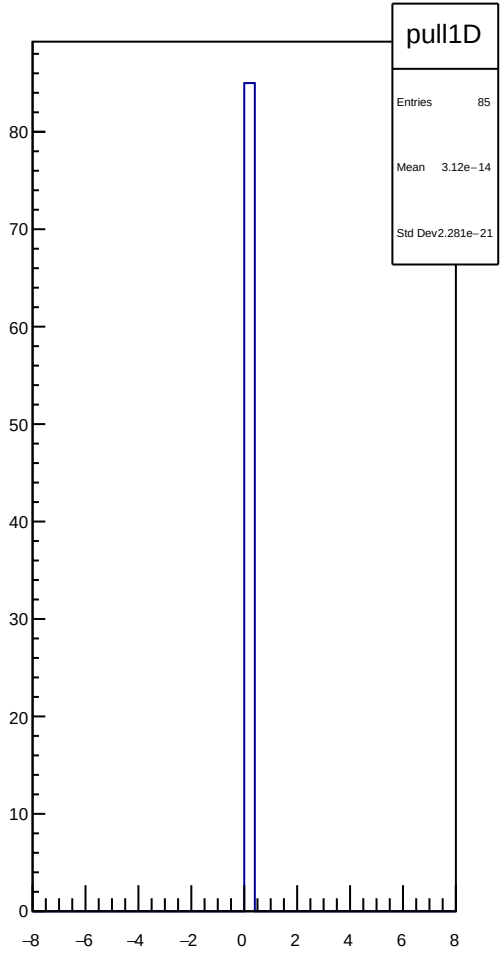

dit_sam4_4eY_slope vs run
χ^2 / ndf 2.711e−25 / 84
p0 252 ± 0.7097
258
256
254
252
250
248
246
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−10
−20
−30
−40
−50

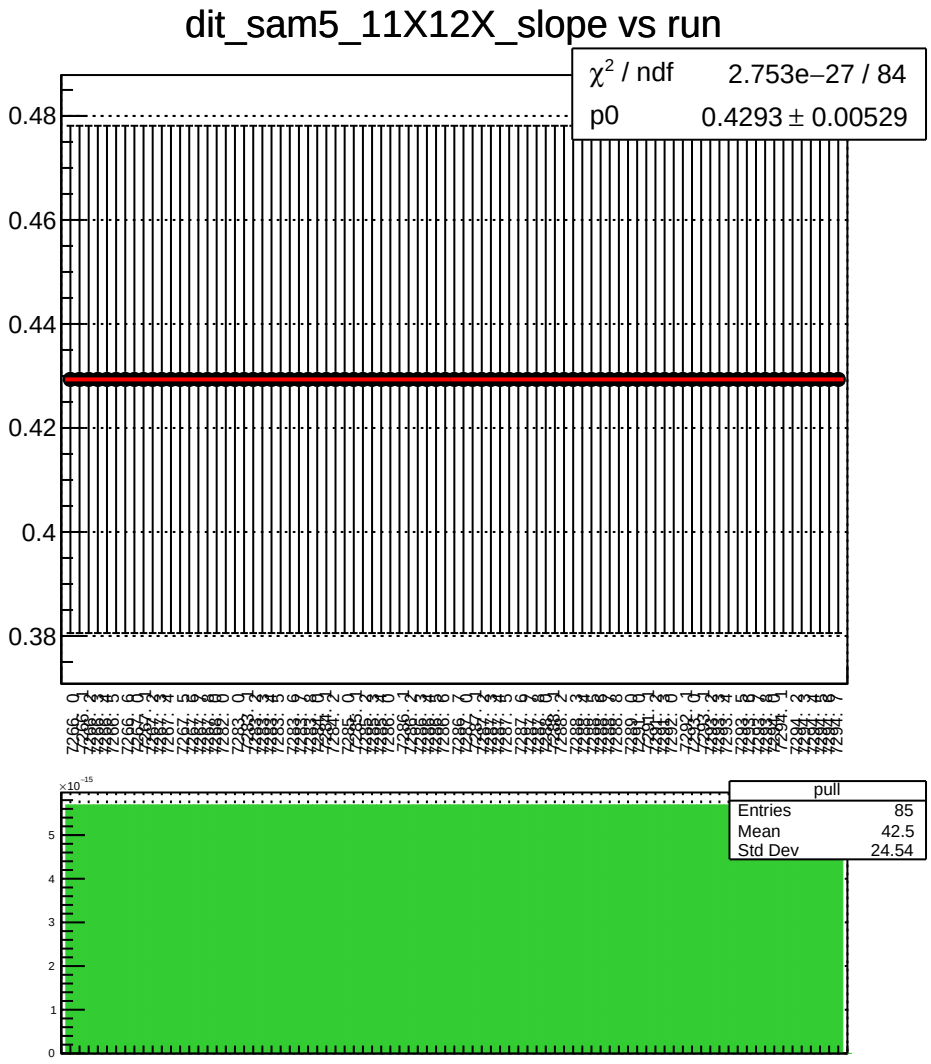

pull1D
Entries 85
Mean −5.647e−14
Std Dev3.335e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

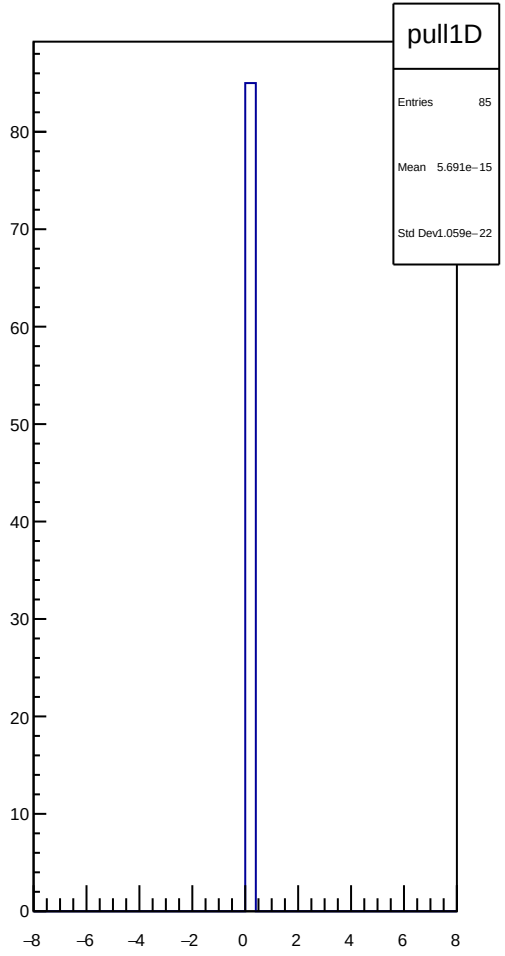

dit_sam5_4aX_slope vs run
χ^2 / ndf 7.548e−29 / 84
p0 15.54 ± 0.2045
17.5
17
16.5
16
15.5
15
14.5
14
13.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

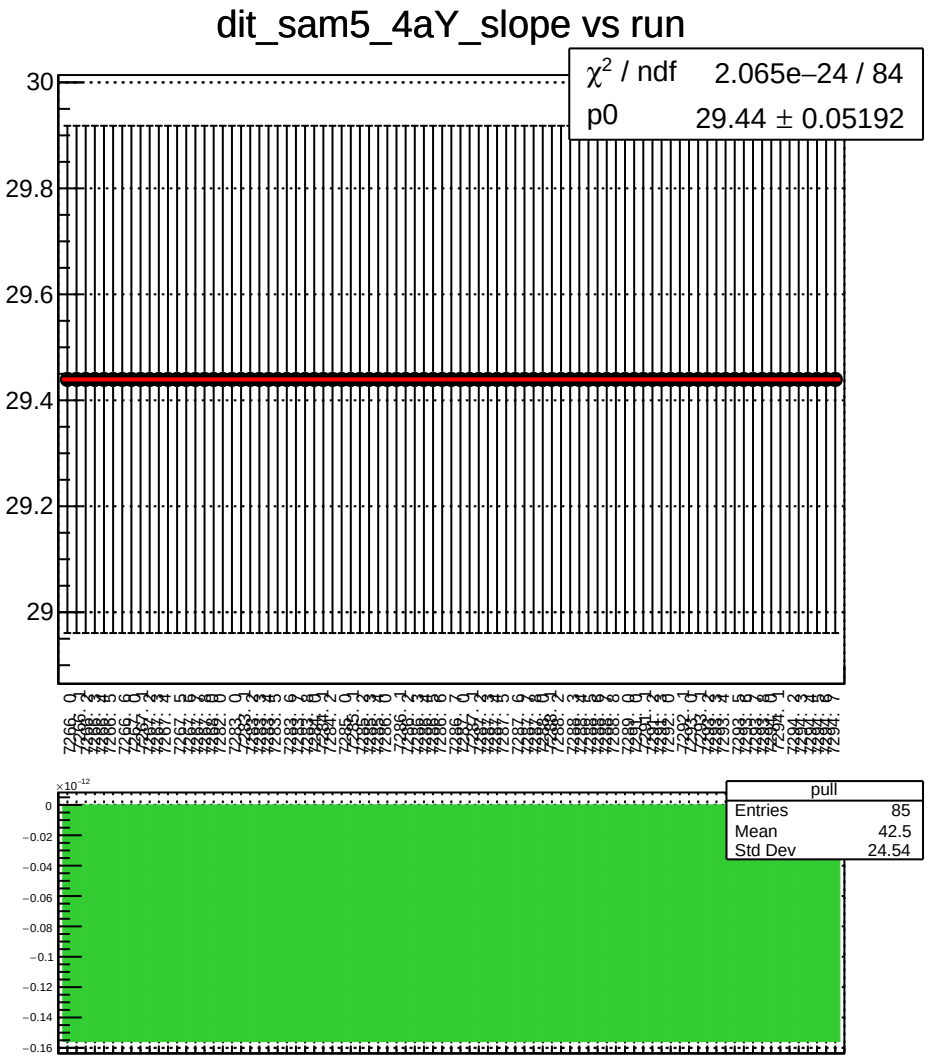

pull1D
Entries 85
Mean 9.423e−16
Std Dev 5.919e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

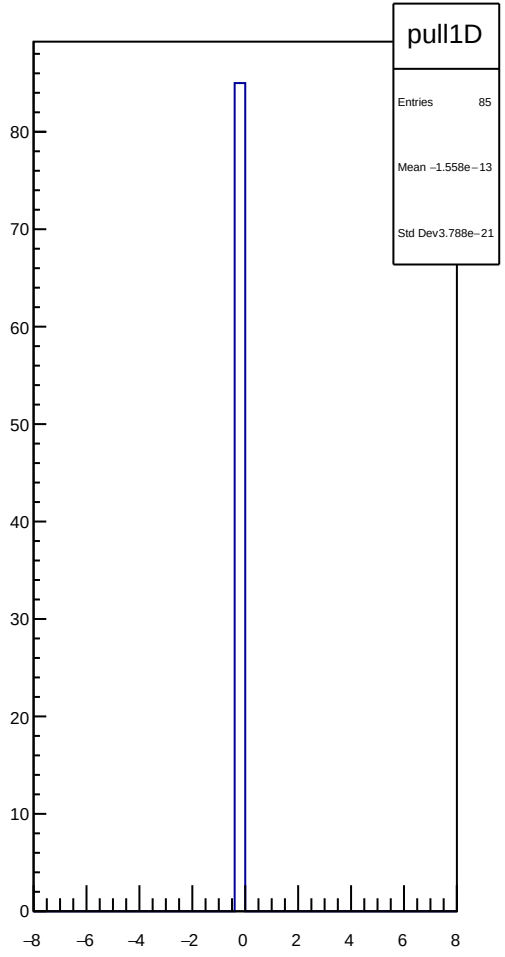

dit_sam5_4eX_slope vs run
χ^2 / ndf 8.273e−26 / 84
p0 −17.95 ± 0.1976
pull
Entries 85
Mean 42.5
Std Dev 24.54

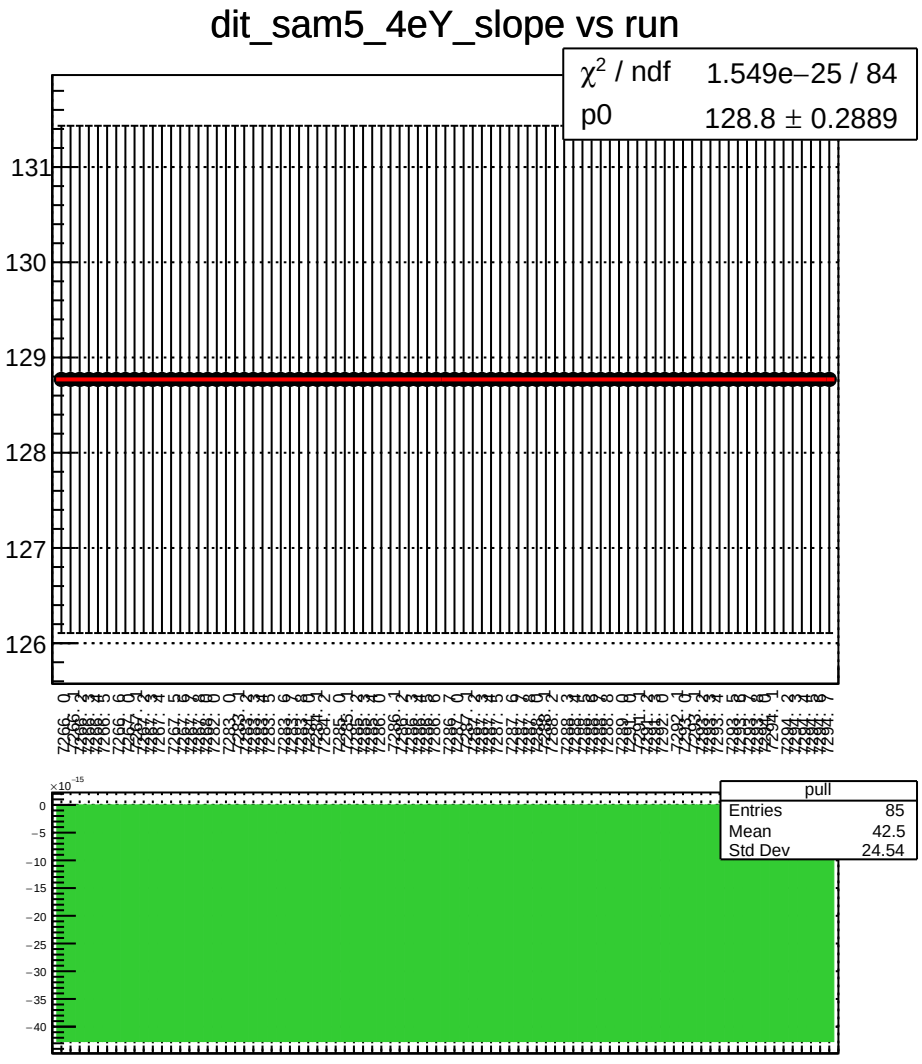

pull1D
Entries 85
Mean 3.12e−14
Std Dev 2.281e−21

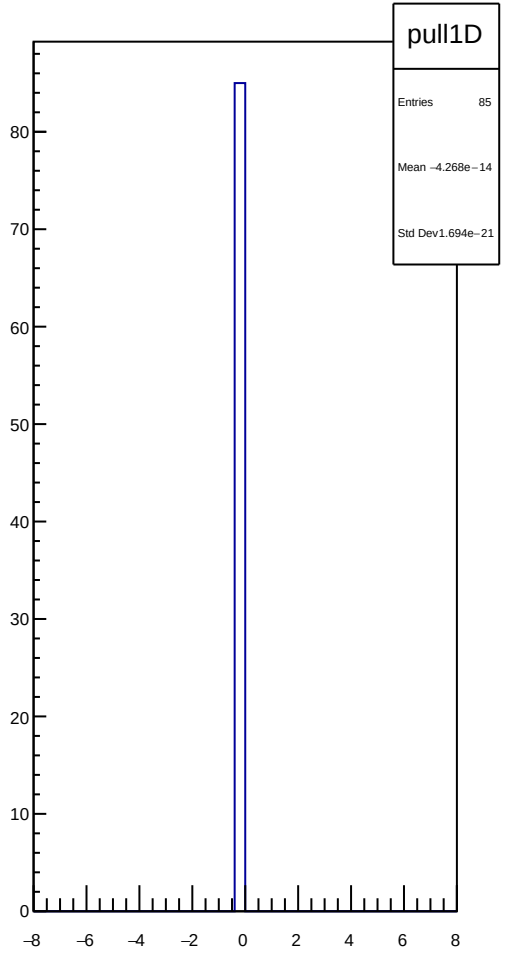

dit_sam5_11X12X_slope vs run
χ^2 / ndf 2.753e−27 / 84
p0 0.4293 ± 0.00529
0.48
0.46
0.44
0.42
0.4
0.38
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
5
4
3
2
1
0

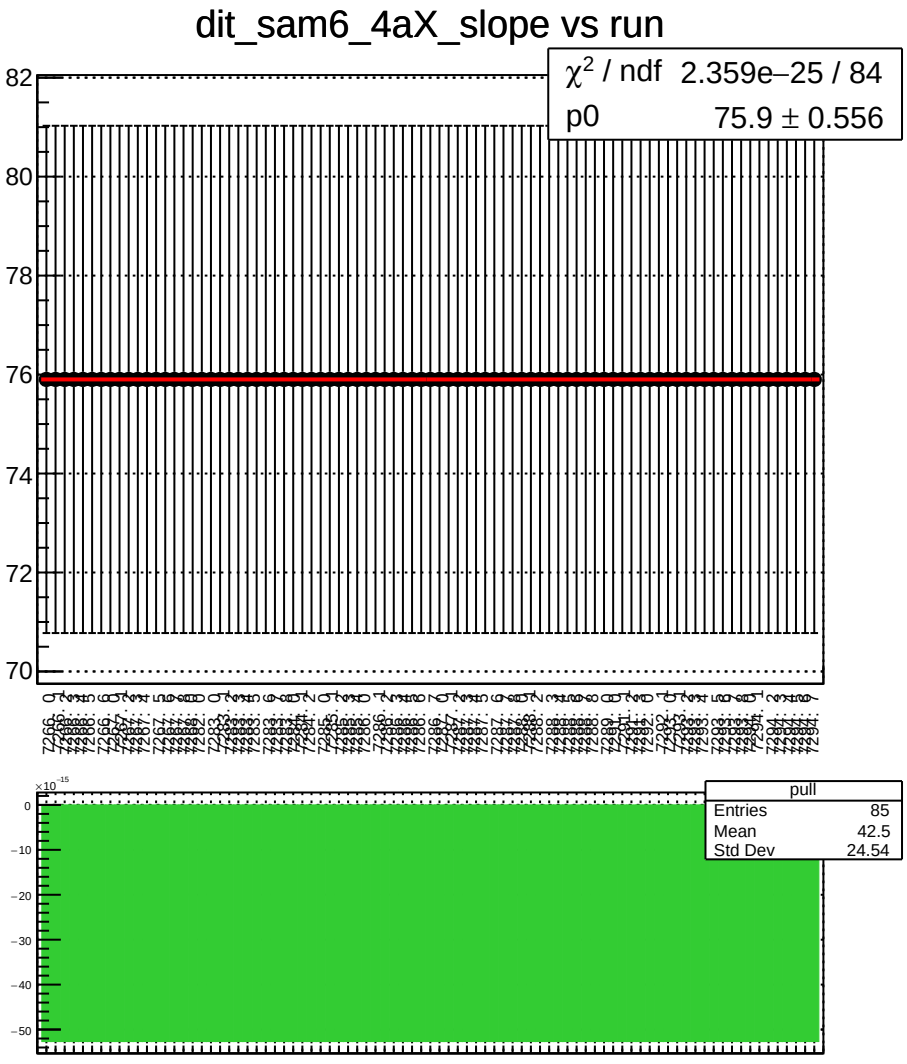

pull1D
Entries 85
Mean 5.691e−15
Std Dev 1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

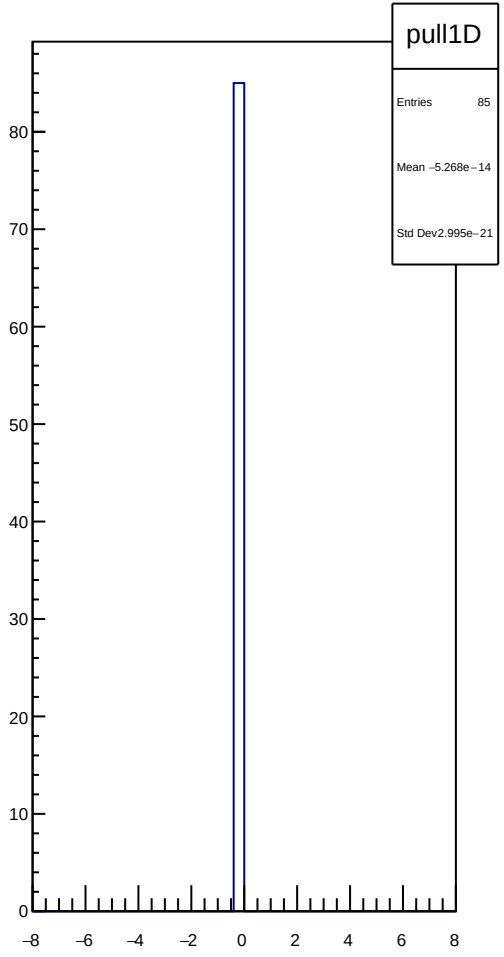

dit_sam5_4aY_slope vs run
χ^2 / ndf 2.065e−24 / 84
p0 29.44 ± 0.05192
30
29.8
29.6
29.4
29.2
29
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16


pull1D
Entries 85
Mean −1.558e−13
Std Dev 3.788e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

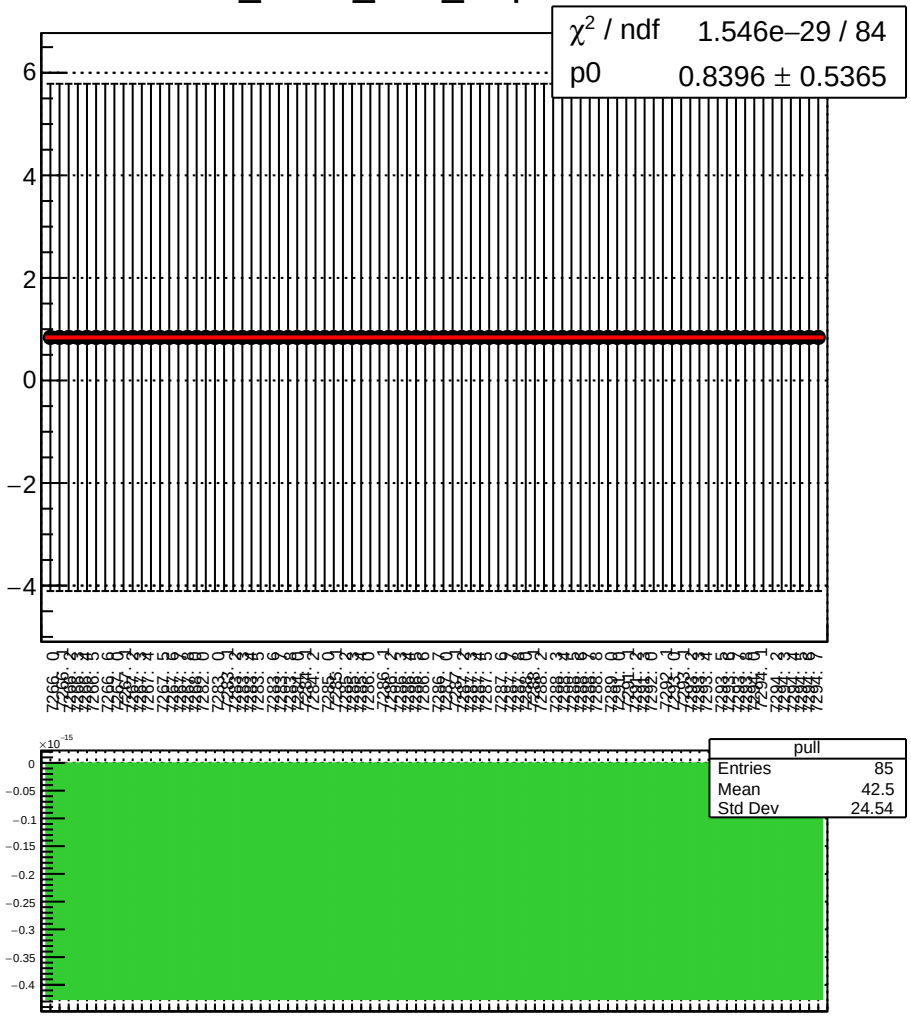

dit_sam5_4eY_slope vs run
χ^2 / ndf 1.549e−25 / 84
p0 128.8 ± 0.2889
131
130
129
128
127
126
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−5
−10
−15
−20
−25
−30
−35
−40

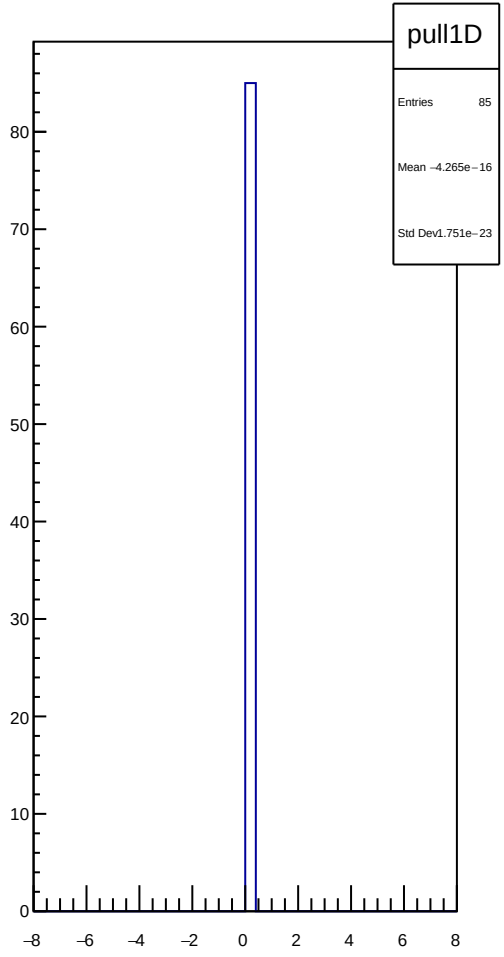

pull1D
Entries 85
Mean −4.268e−14
Std Dev 1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


dit_sam6_4aX_slope vs run
χ² / ndf 2.359e−25 / 84
p0 75.9 ± 0.556
82
80
78
76
74
72
70
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50

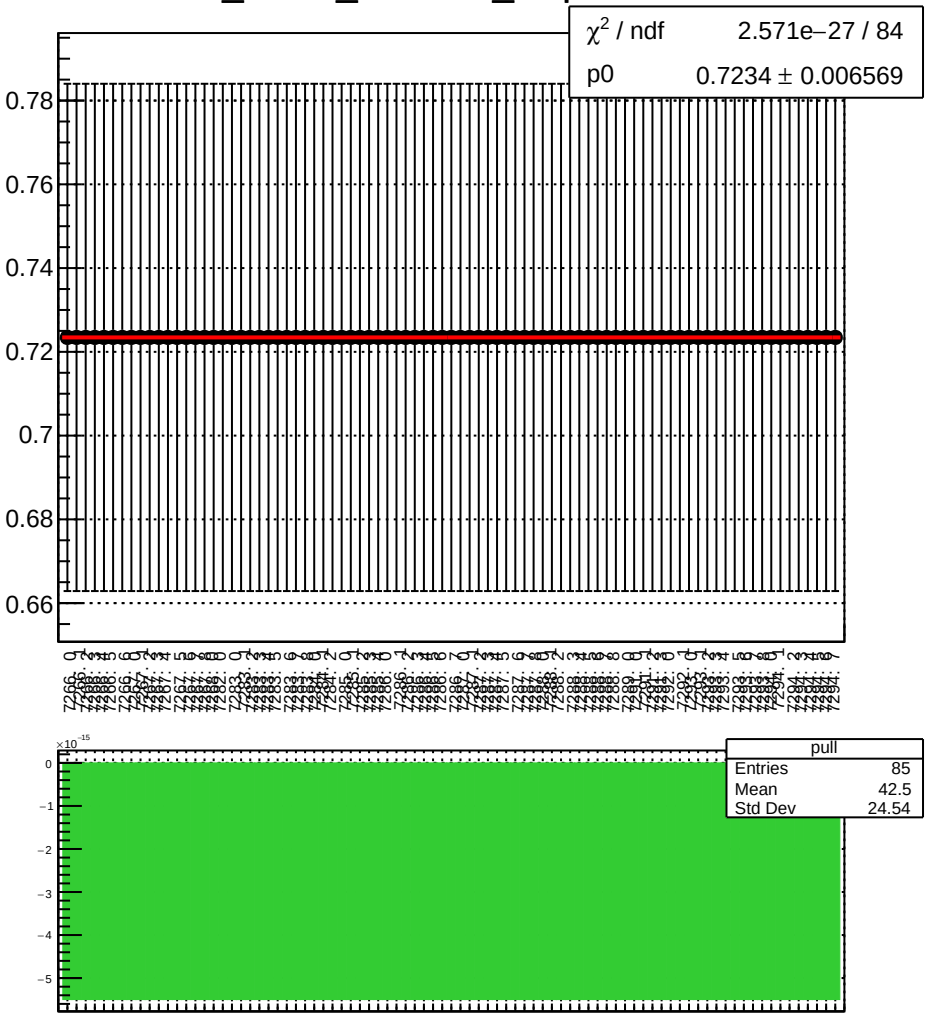

pull1D
Entries 85
Mean −5.268e−14
Std Dev 2.995e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

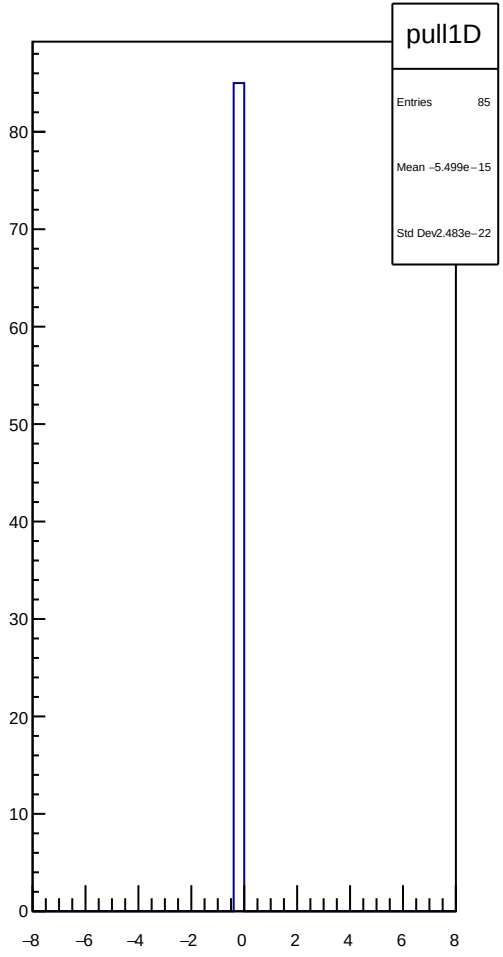
dit_sam6_4eX_slope vs run

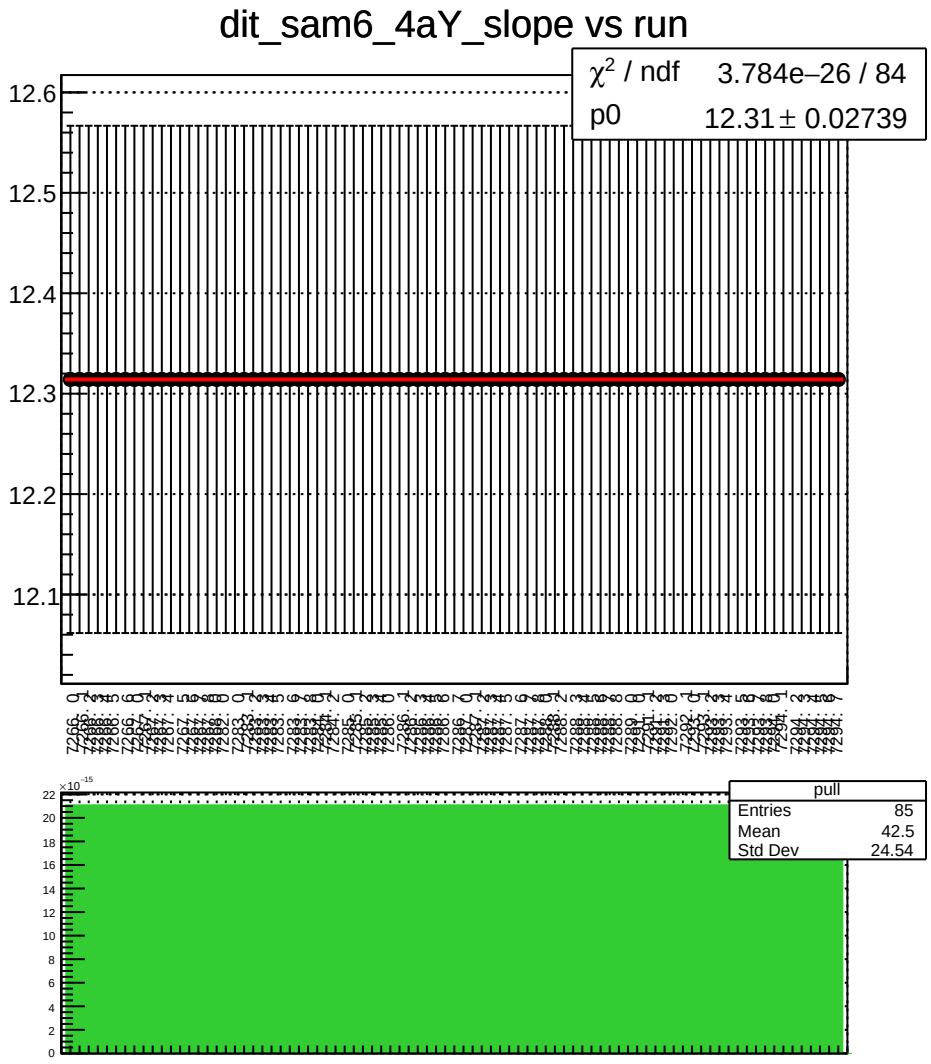


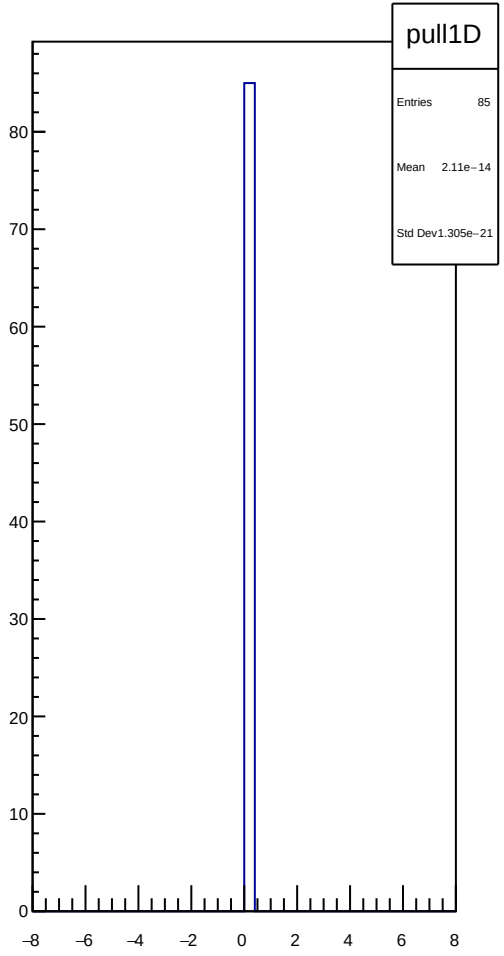


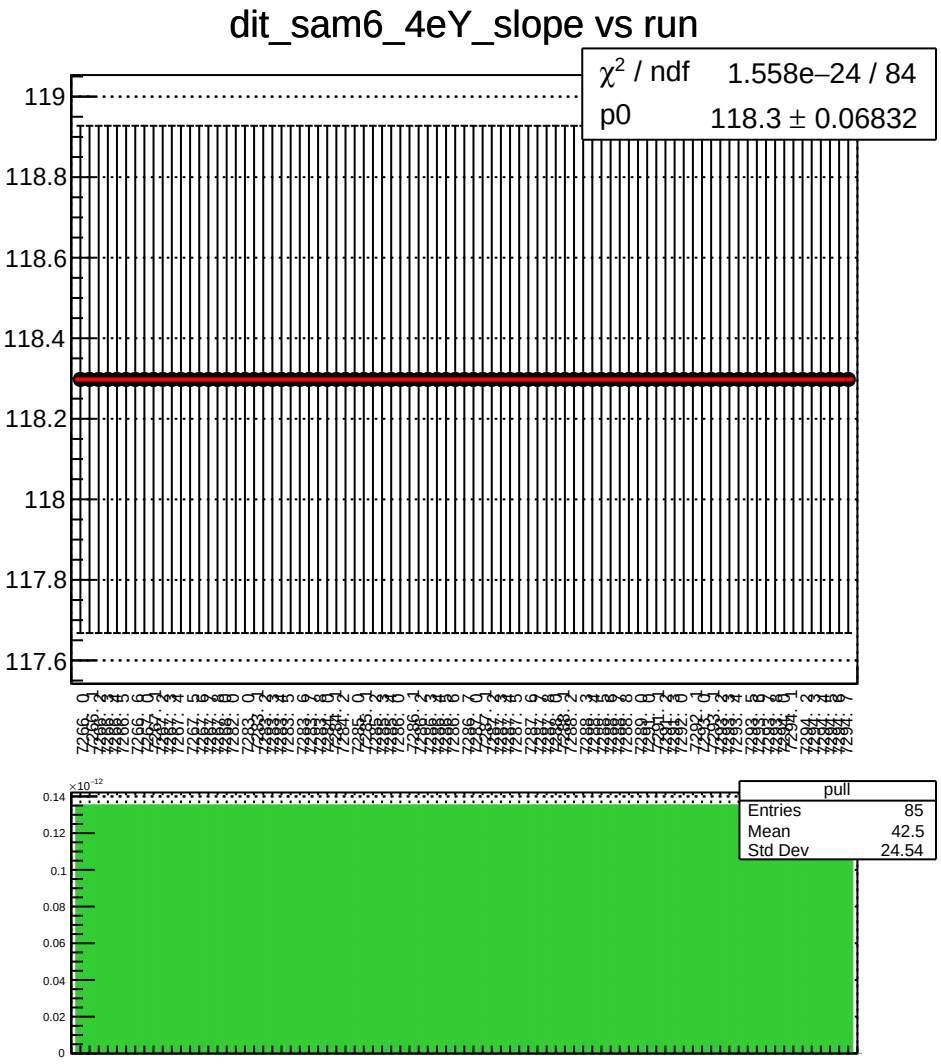
dit_sam6_11X12X_slope vs run

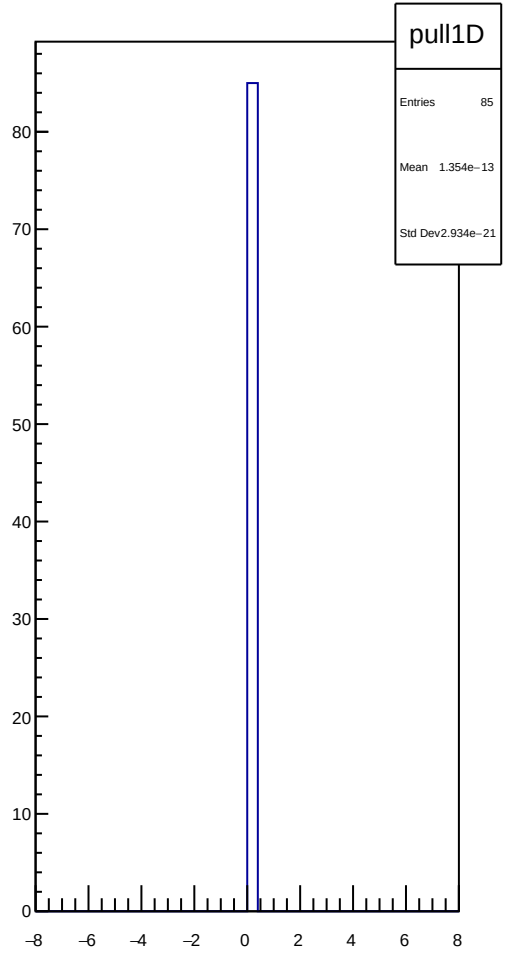




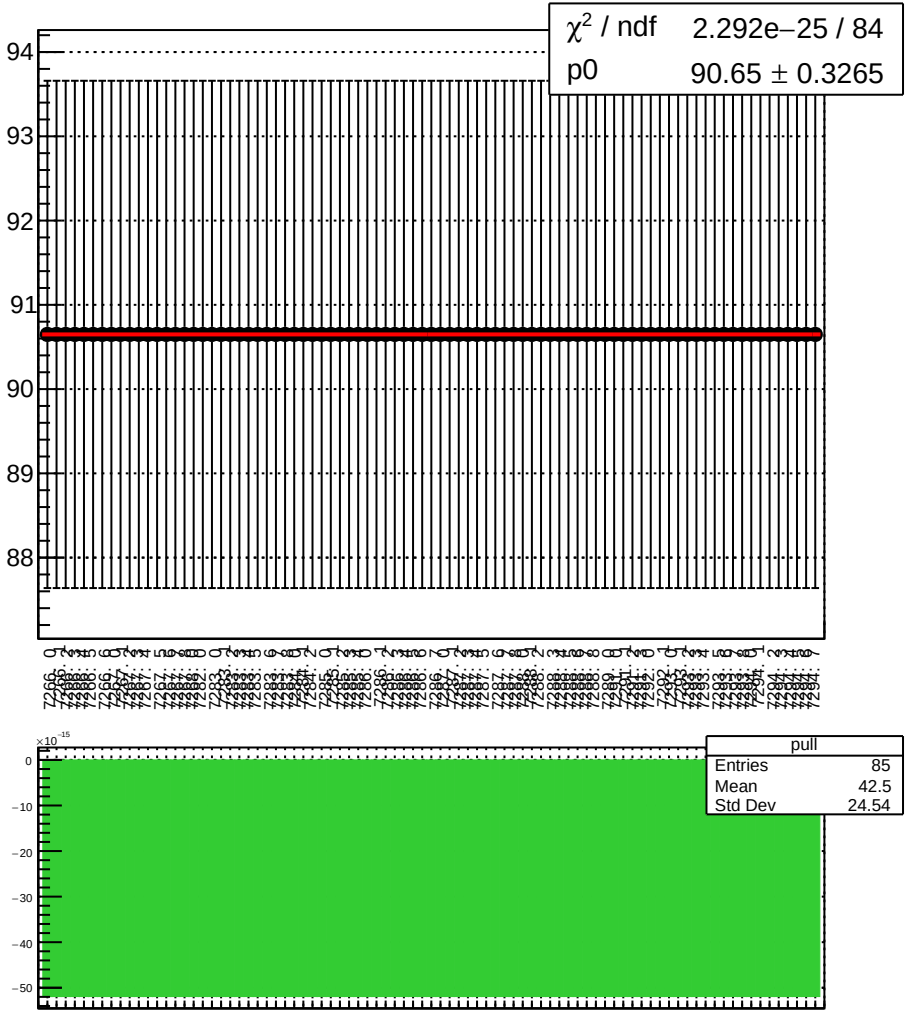

dit_sam6_4aY_slope vs run
χ^2 / ndf 3.784e−26 / 84
p0 12.31 ± 0.02739
12.6
12.5
12.4
12.3
12.2
12.1
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
22
20
18
16
14
12
10
8
6
4
2
0

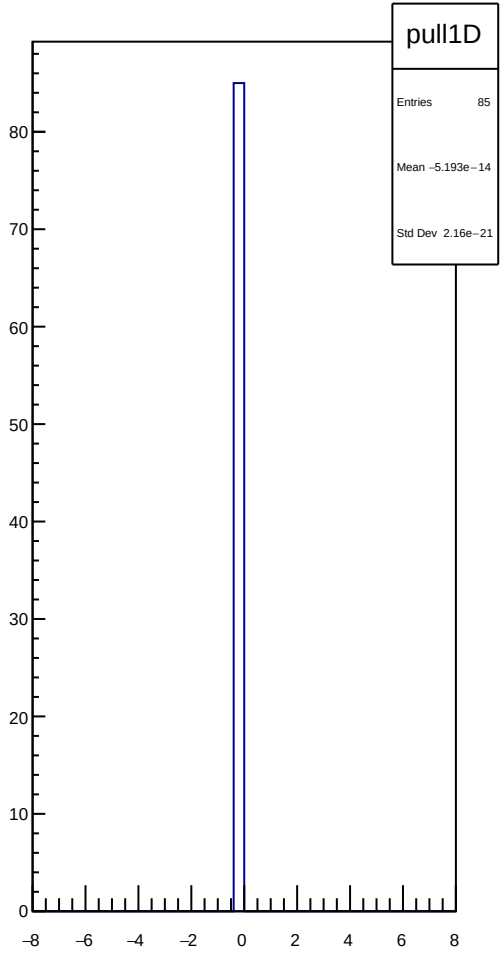

pull1D
Entries 85
Mean 2.11e−14
Std Dev 1.305e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

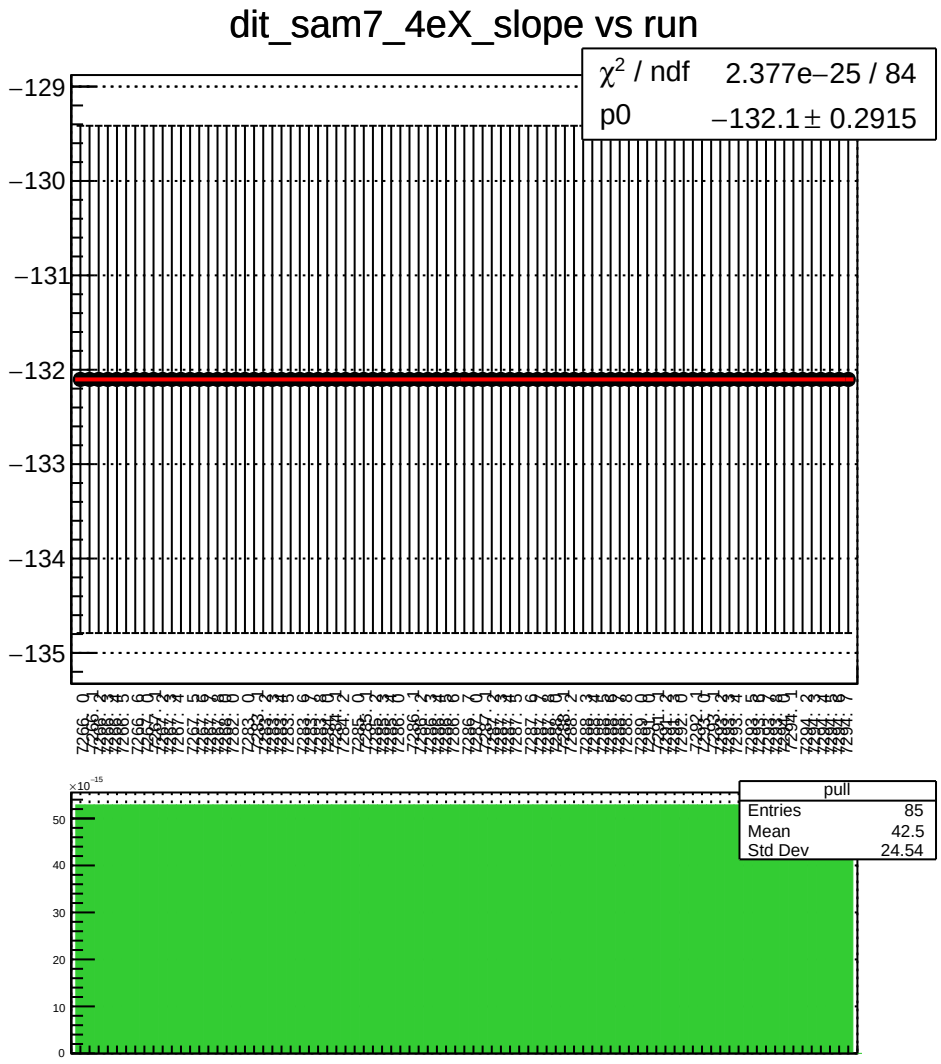

dit_sam6_4eY_slope vs run
χ^2 / ndf 1.558e−24 / 84
p0 118.3 ± 0.06832
119
118.8
118.6
118.4
118.2
118
117.8
117.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−12
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

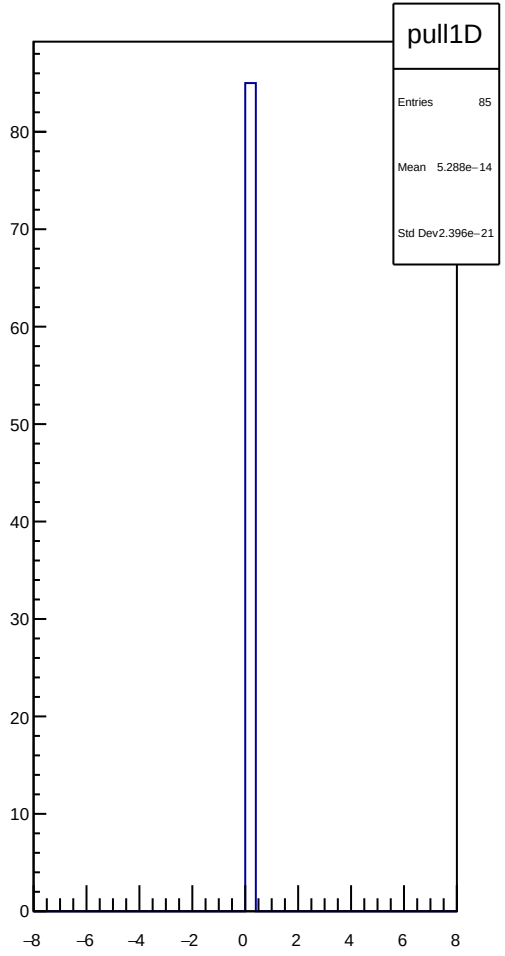

pull1D
Entries 85
Mean 1.354e−13
Std Dev 2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

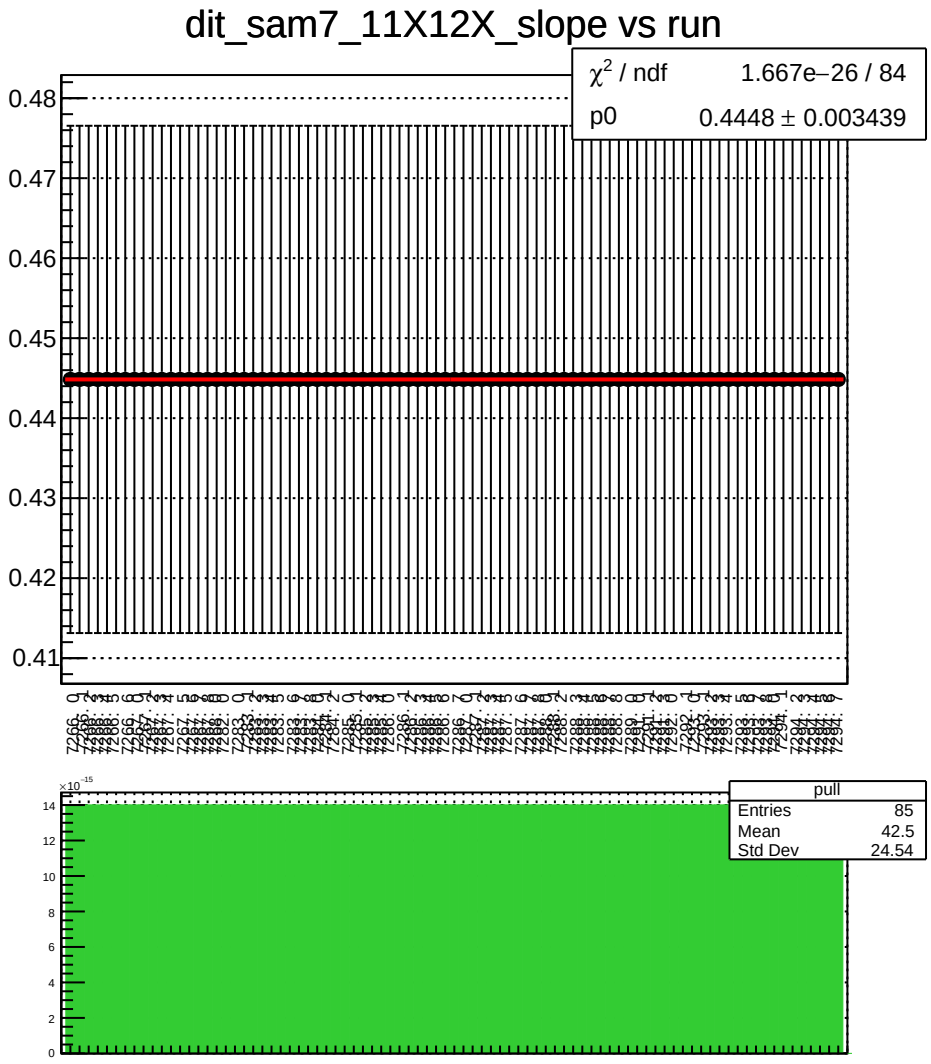
dit_sam7_4aX_slope vs run

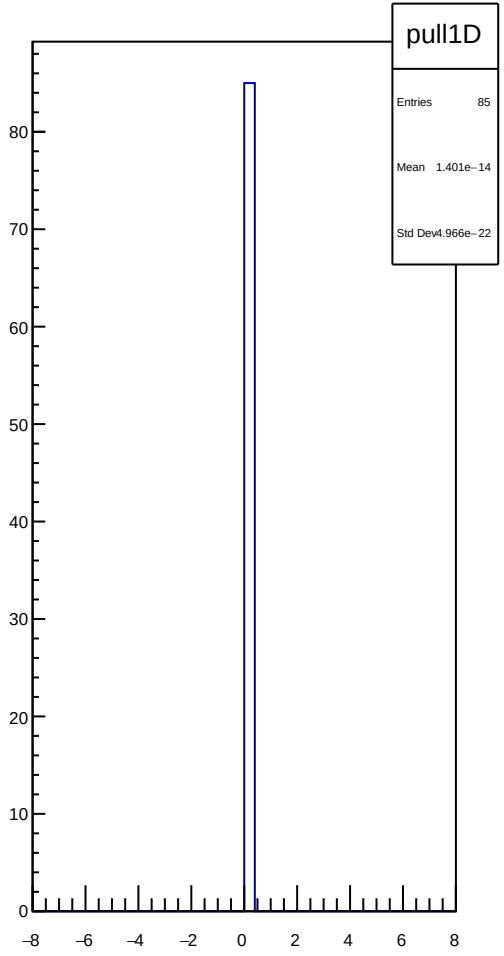


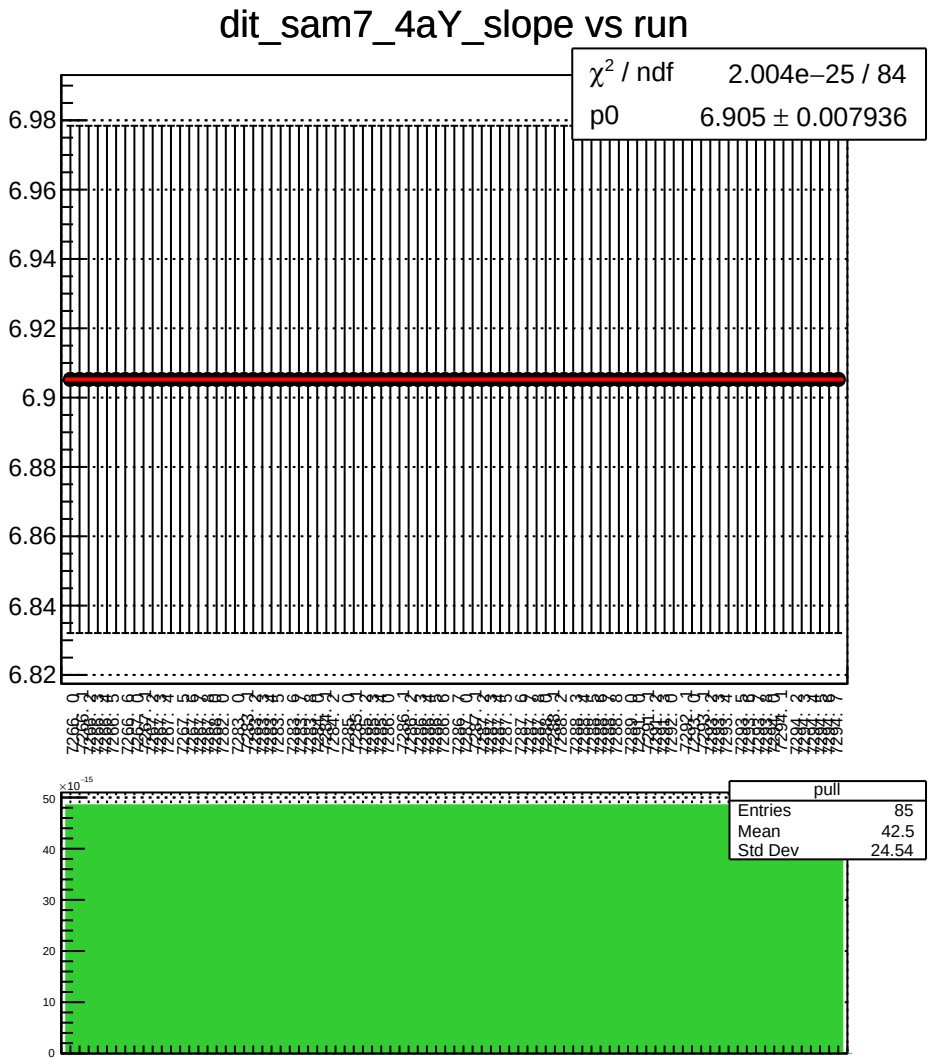


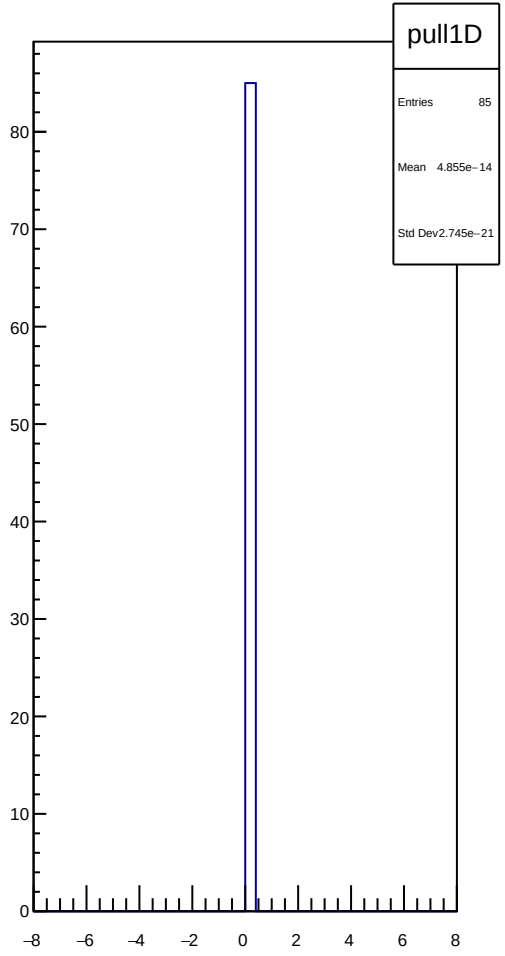

dit_sam7_4eX_slope vs run
χ^2 / ndf 2.377e−25 / 84
p0 −132.1 ± 0.2915
−129
−130
−131
−132
−133
−134
−135
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
50
40
30
20
10
0

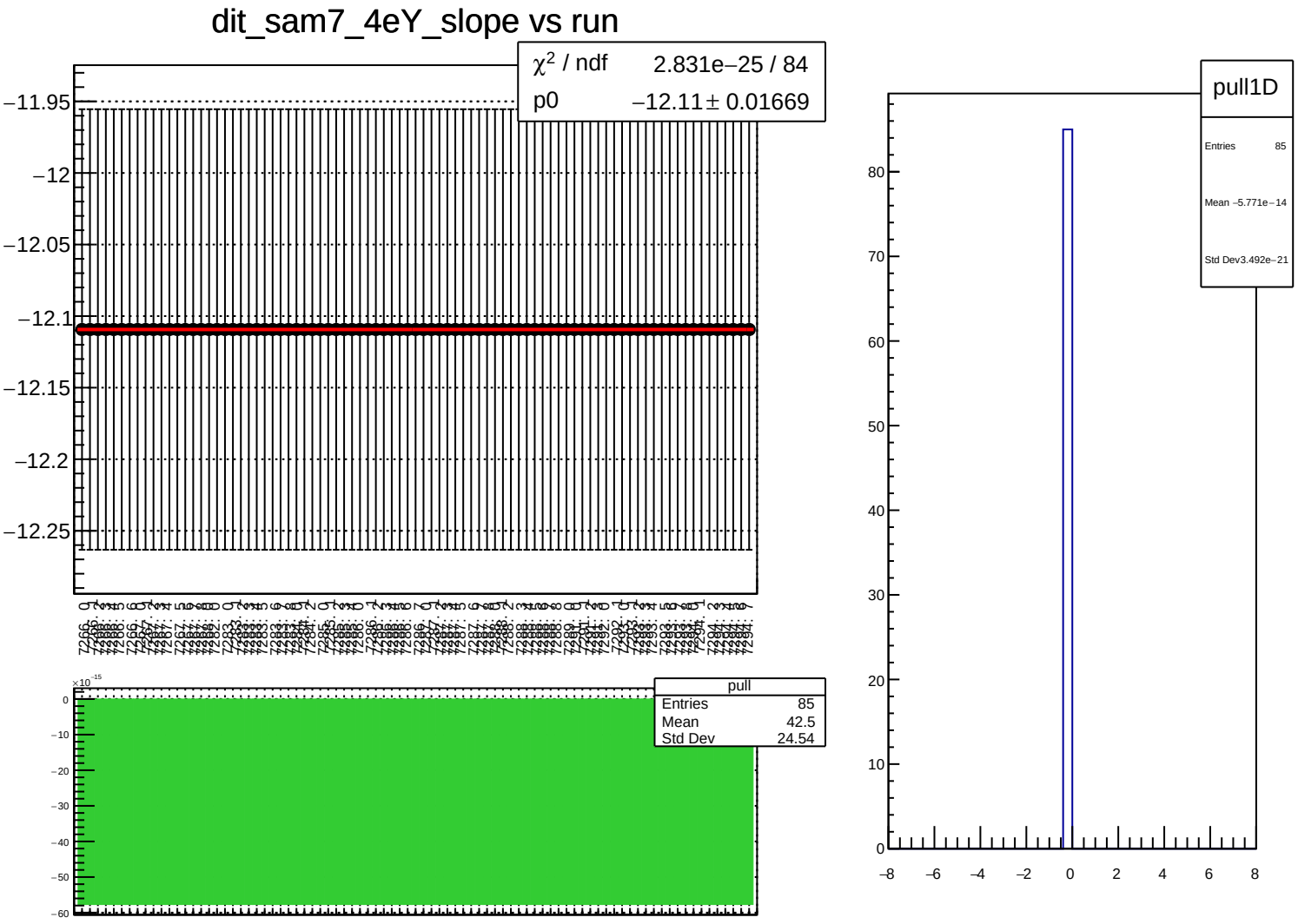

pull1D
Entries 85
Mean 5.288e−14
Std Dev 2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

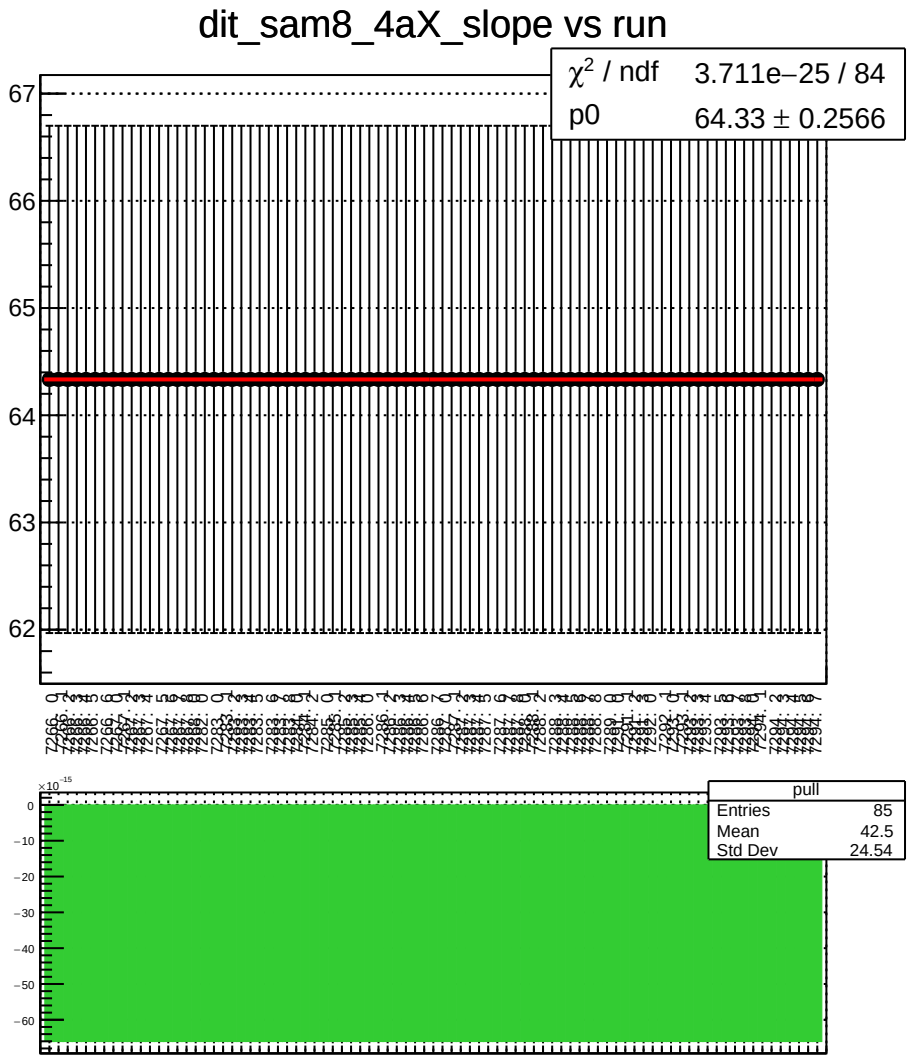

dit_sam7_11X12X_slope vs run
χ^2 / ndf 1.667e−26 / 84
p0 0.4448 ± 0.003439
0.48
0.47
0.46
0.45
0.44
0.43
0.42
0.41
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
14
12
10
8
6
4
2
0

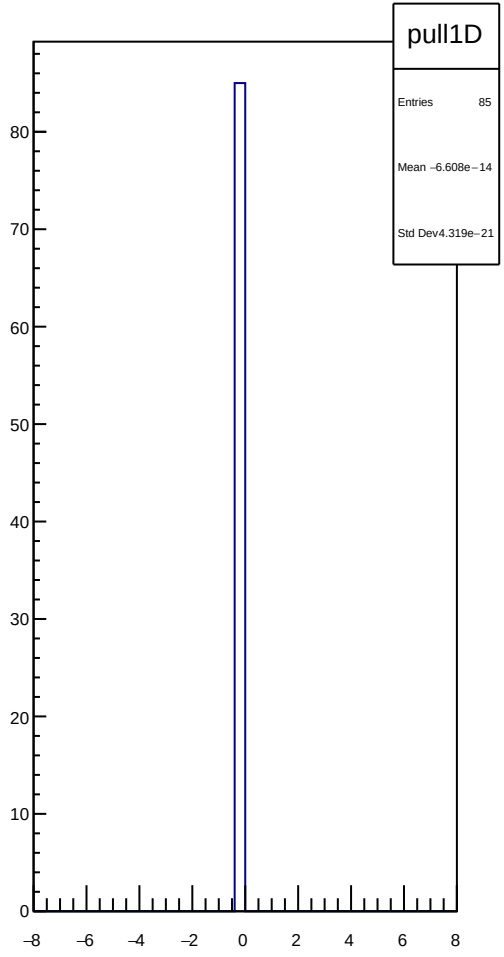

pull1D
Entries 85
Mean 1.401e−14
Std Dev 4.966e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

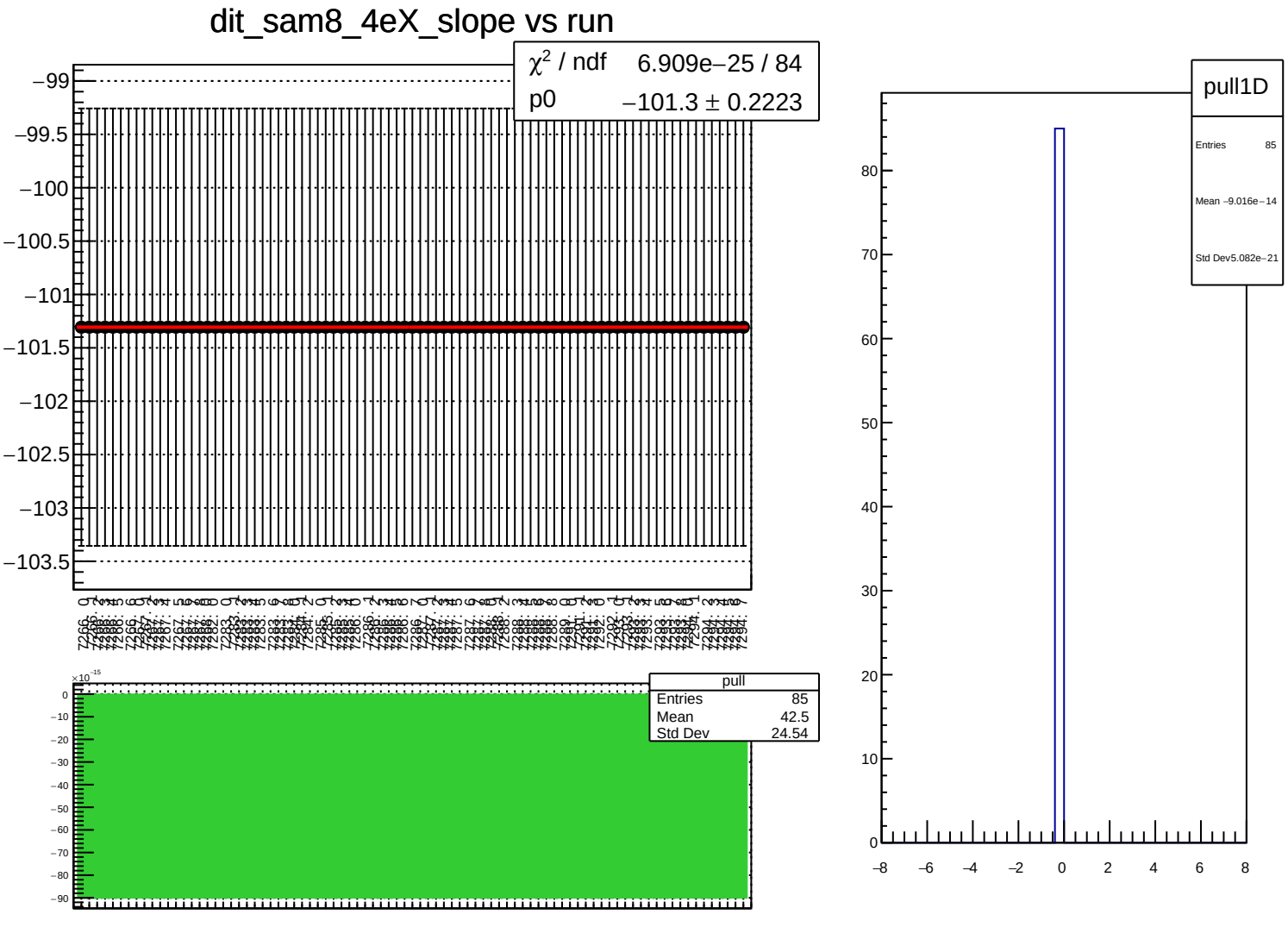

dit_sam7_4aY_slope vs run
χ^2 / ndf 2.004e−25 / 84
p0 6.905 ± 0.007936
6.98
6.96
6.94
6.92
6.9
6.88
6.86
6.84
6.82
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
50
40
30
20
10
0

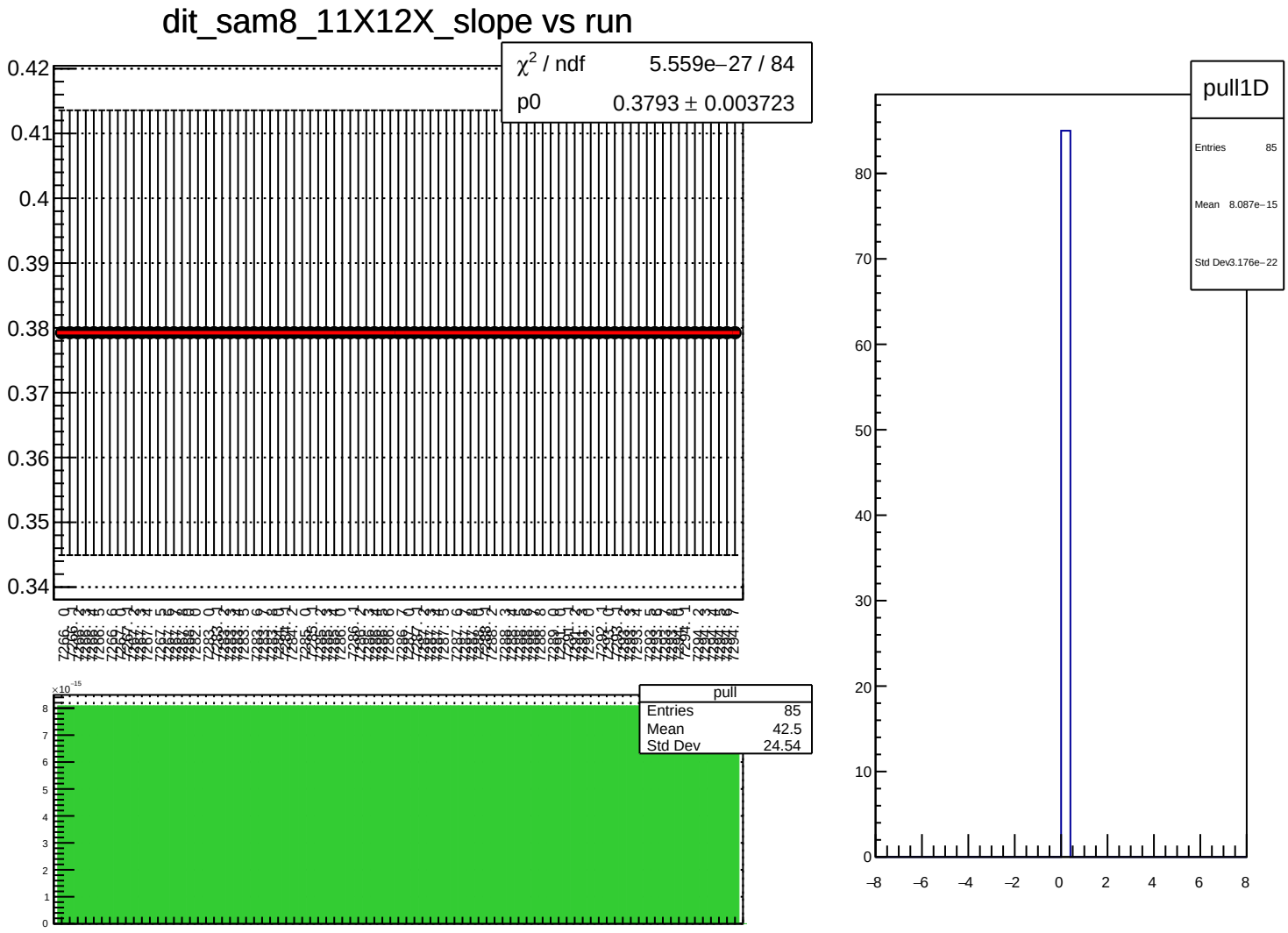

pull1D
Entries 85
Mean 4.855e−14
Std Dev 2.745e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

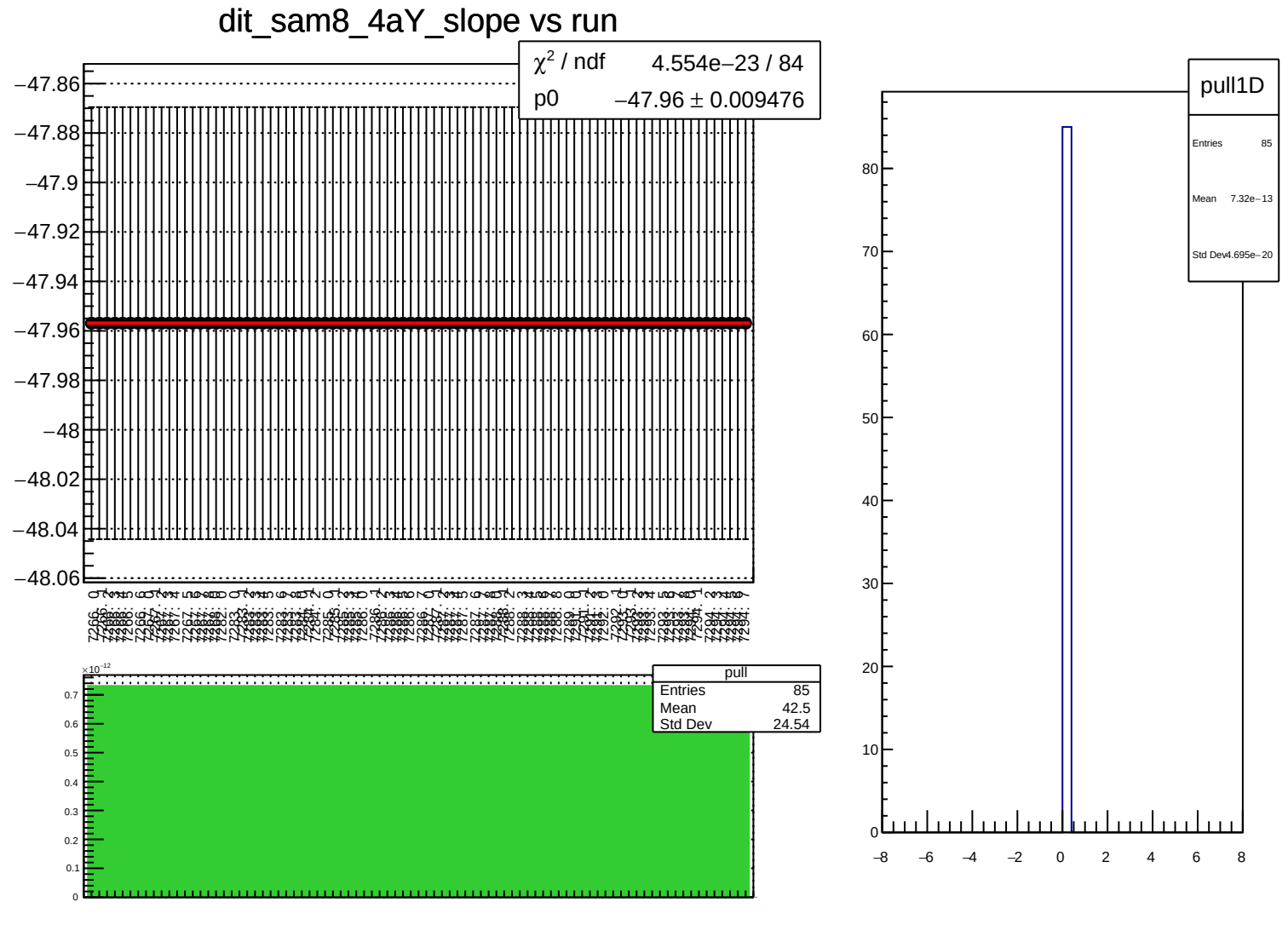

dit_sam7_4eY_slope vs run
χ^2 / ndf 2.831e−25 / 84
p0 −12.11 ± 0.01669
−11.95
−12
−12.05
−12.1
−12.15
−12.2
−12.25
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^−15
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 85
Mean −5.771e−14
Std Dev3.492e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

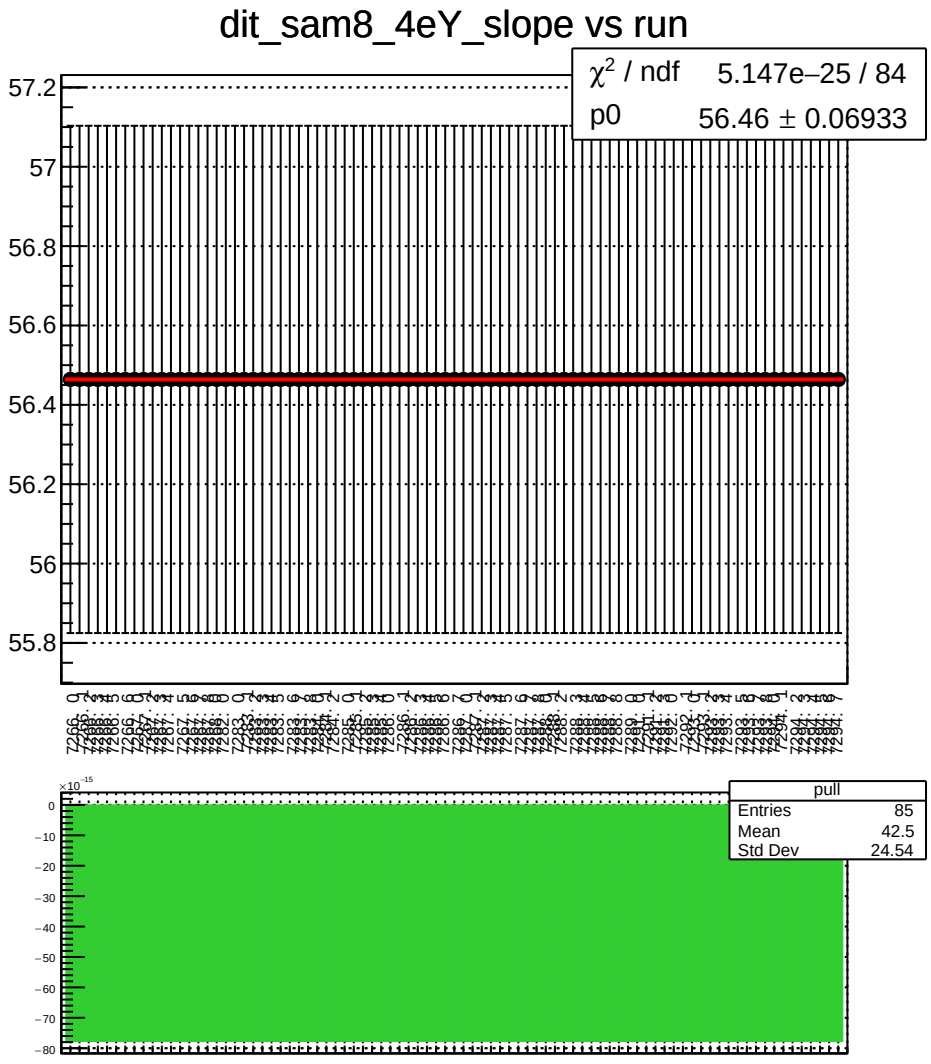

dit_sam8_4aX_slope vs run
χ^2 / ndf 3.711e−25 / 84
p0 64.33 ± 0.2566
67
66
65
64
63
62
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−10
−20
−30
−40
−50
−60

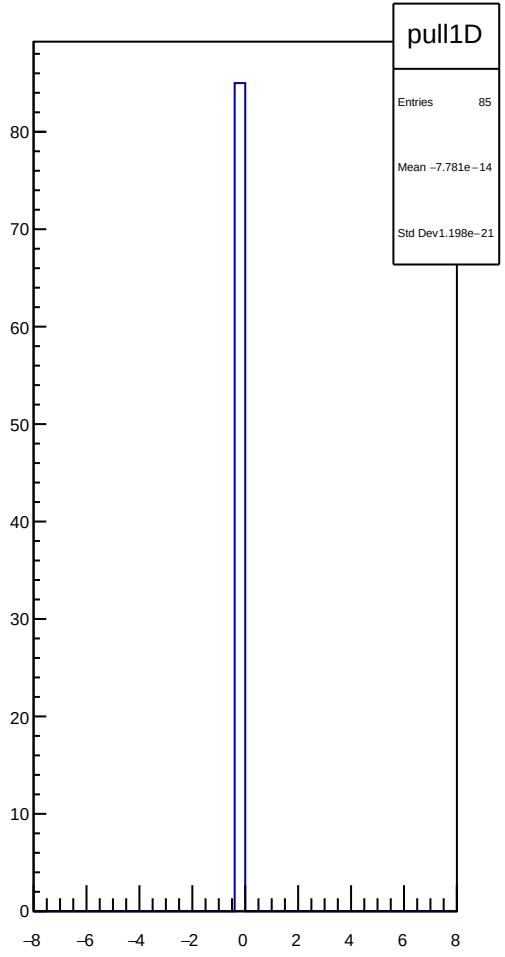

pull1D
Entries 85
Mean −6.608e−14
Std Dev4.319e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

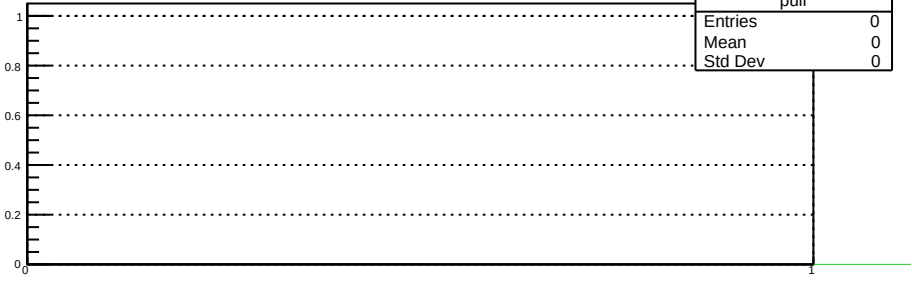

dit_sam8_4eX_slope vs run
χ² / ndf 6.909e−25 / 84
p0 −101.3 ± 0.2223
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean −9.016e−14
Std Dev5.082e−21


dit_sam8_11X12X_slope vs run
χ^2 / ndf 5.559e−27 / 84
p0 0.3793 ± 0.003723
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
pull1D
Entries 85
Mean 8.087e−15
Std Dev 3.176e−22


dit_sam8_4aY_slope vs run
χ² / ndf 4.554e−23 / 84
p0 −47.96 ± 0.009476
−47.86
−47.88
−47.9
−47.92
−47.94
−47.96
−47.98
−48
−48.02
−48.04
−48.06
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
pull1D
Entries 85
Mean 7.32e−13
Std Dev 4.695e−20


dit_sam8_4eY_slope vs run
χ^2 / ndf 5.147e−25 / 84
p0 56.46 ± 0.06933
57.2
57
56.8
56.6
56.4
56.2
56
55.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
0
−10
−20
−30
−40
−50
−60
−70
−80


pull1D
Entries 85
Mean −7.781e−14
Std Dev1.198e−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
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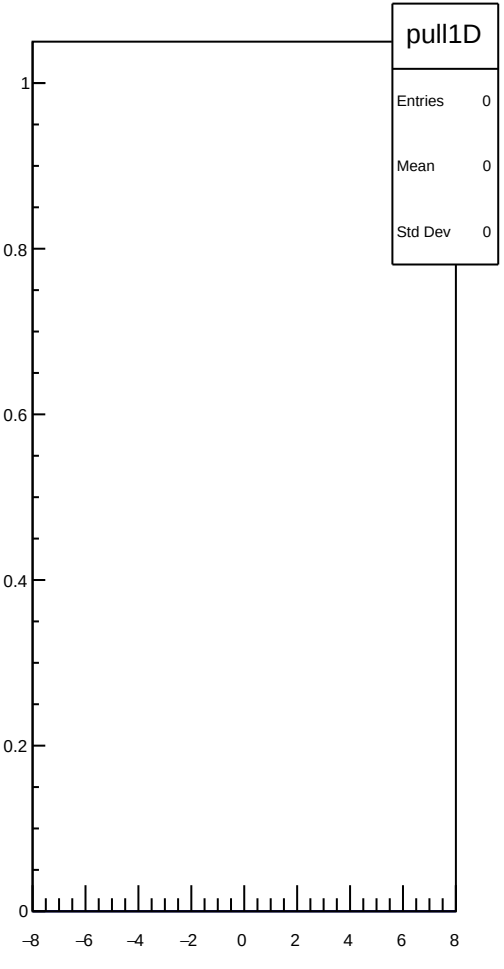
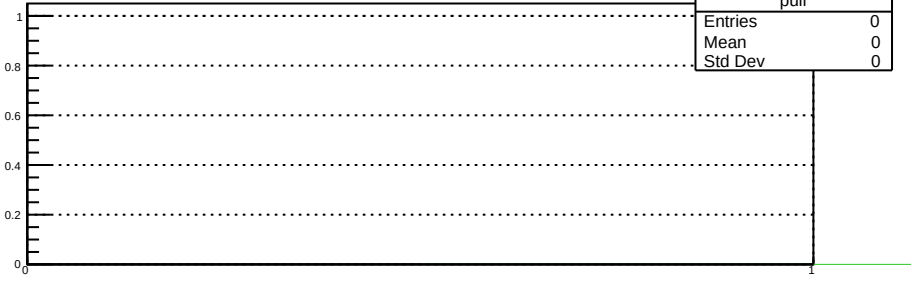
0.6
0.4
0.2
0
0
1


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


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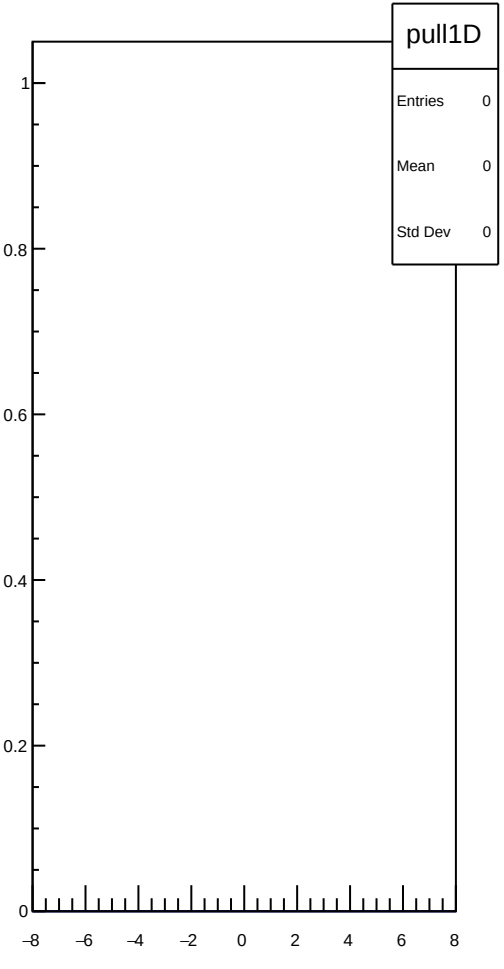
pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
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−4
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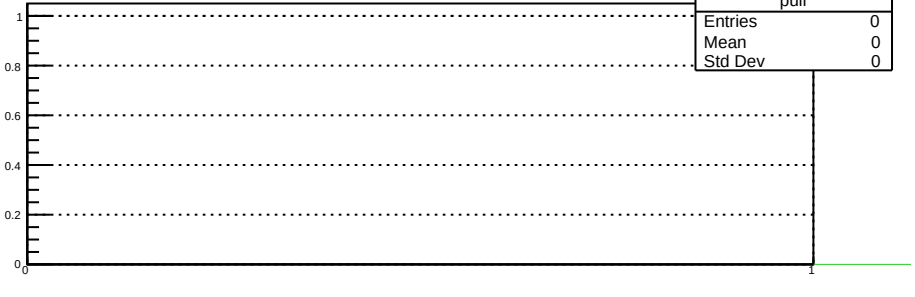
2
4
6
8


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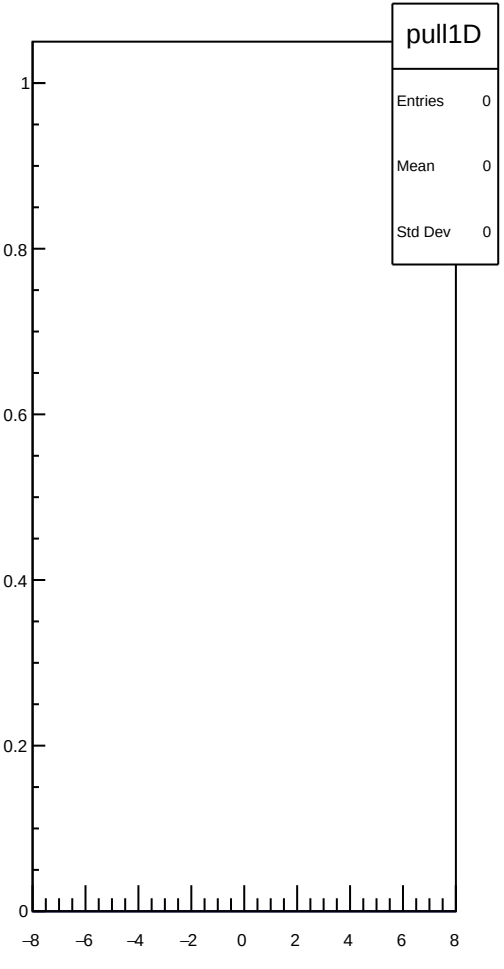
0
1


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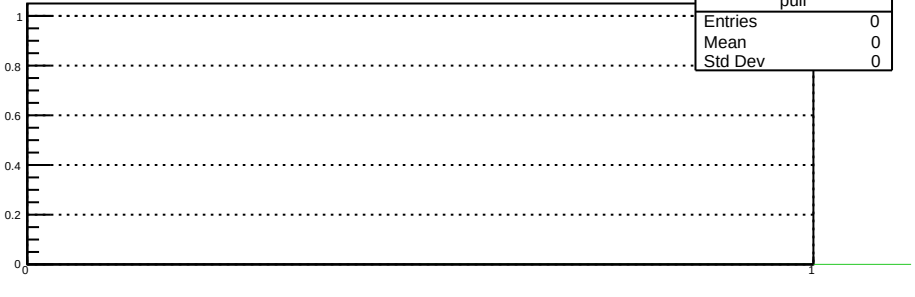
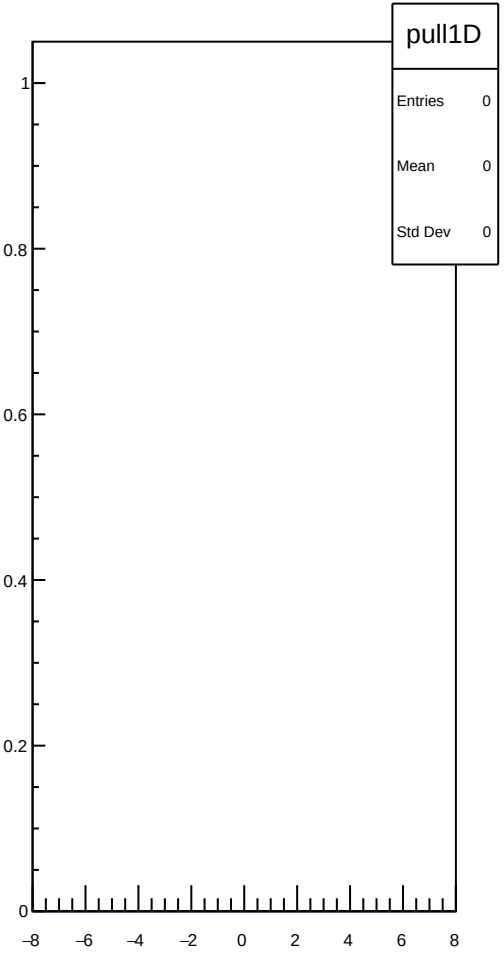

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1


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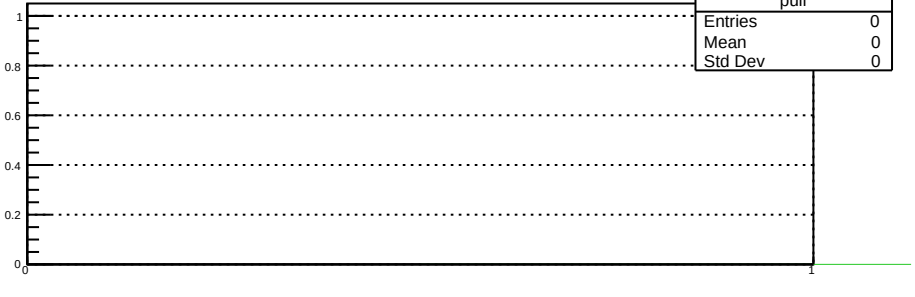
−6
−4
−2
0
2
4
6
8


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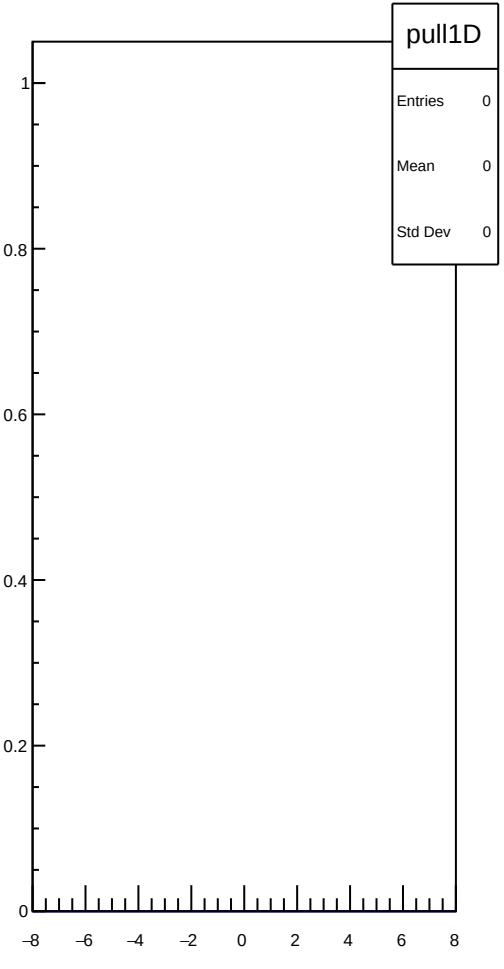
0.6
0.4
0.2
0
0
1


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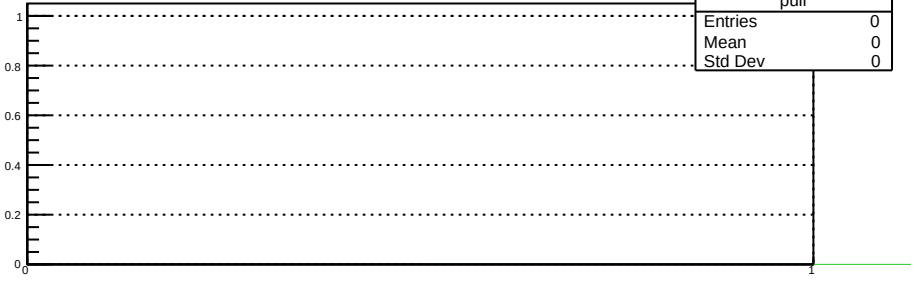
2
4
6
8


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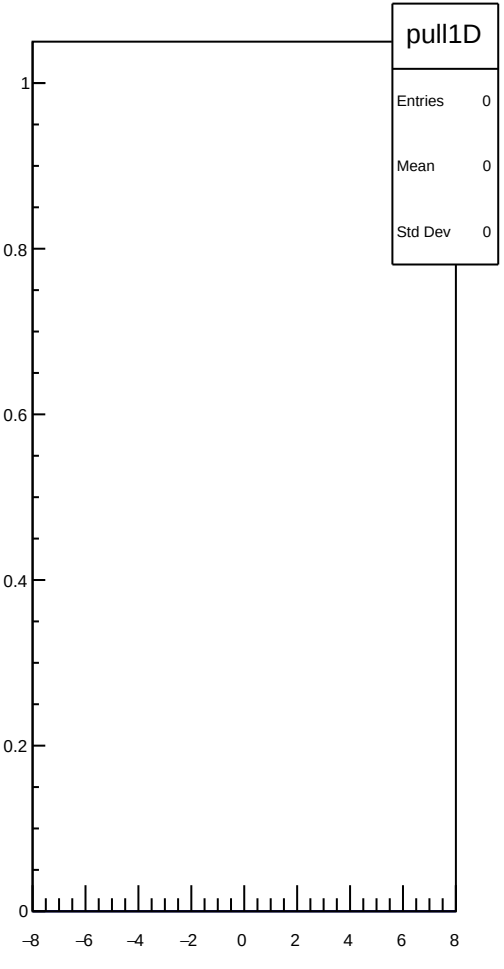
0
1


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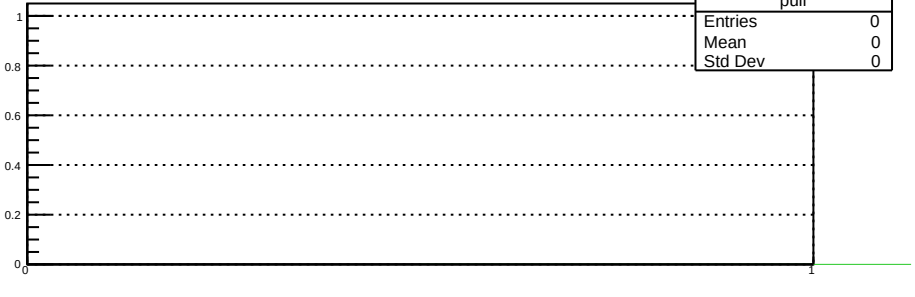
2
4
6
8


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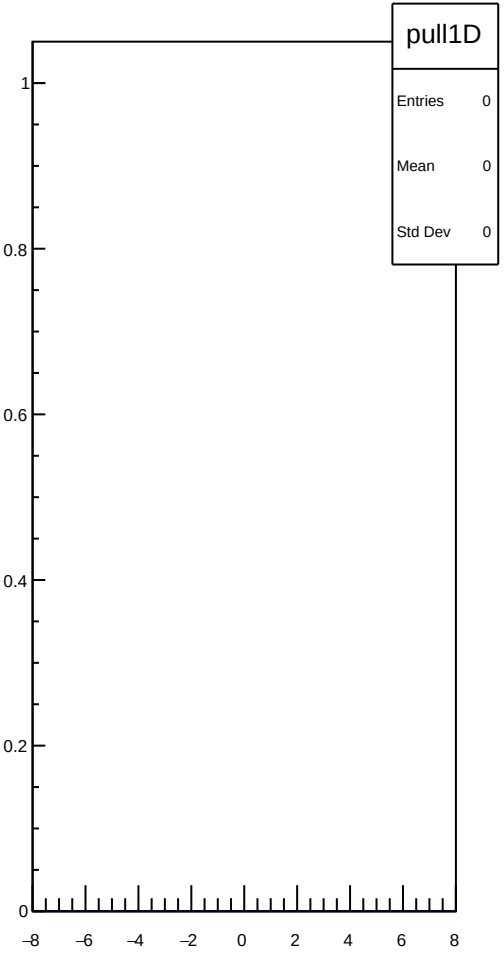
pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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2
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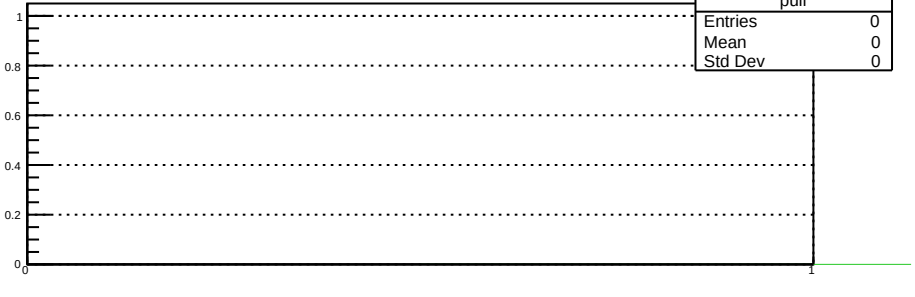
6
8


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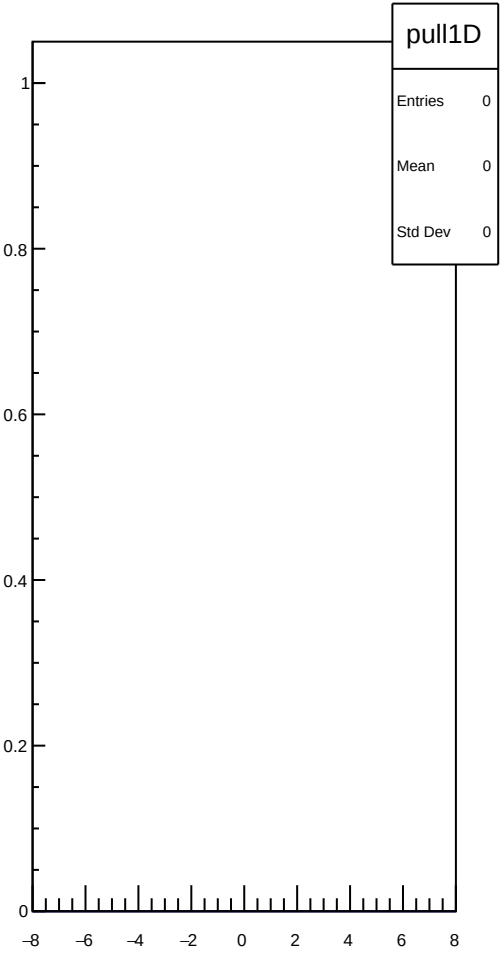
1


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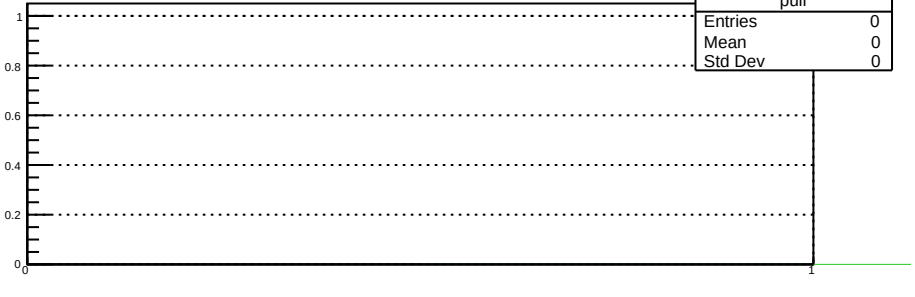
pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
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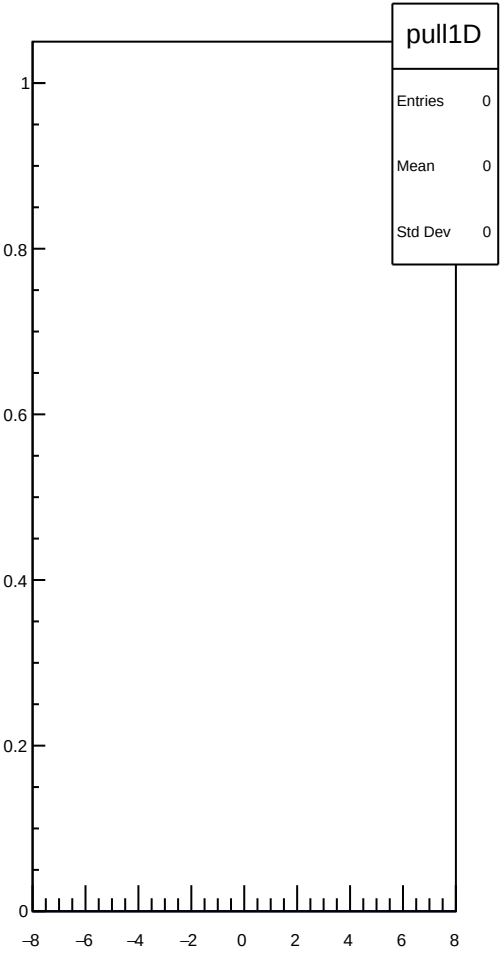
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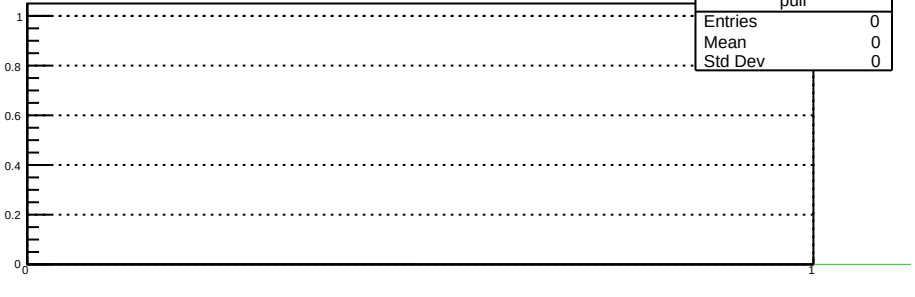
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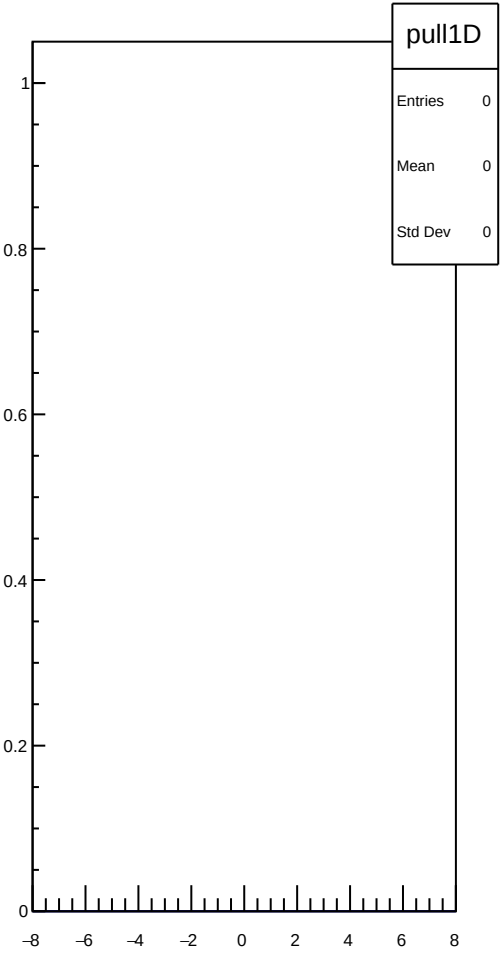
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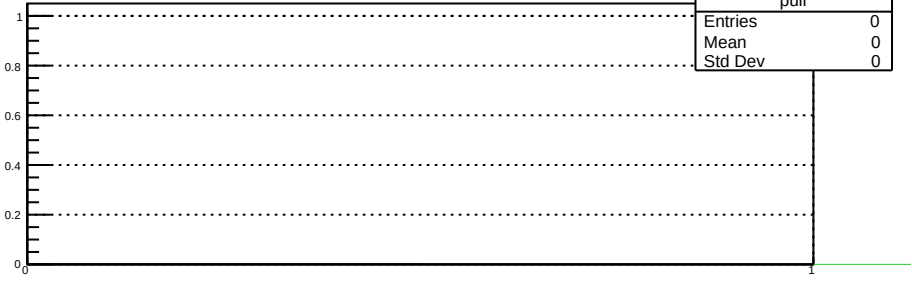
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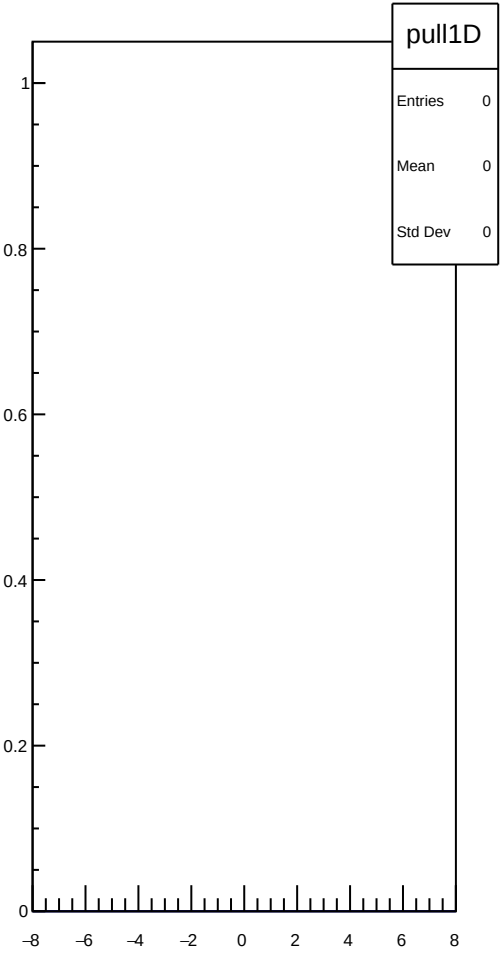
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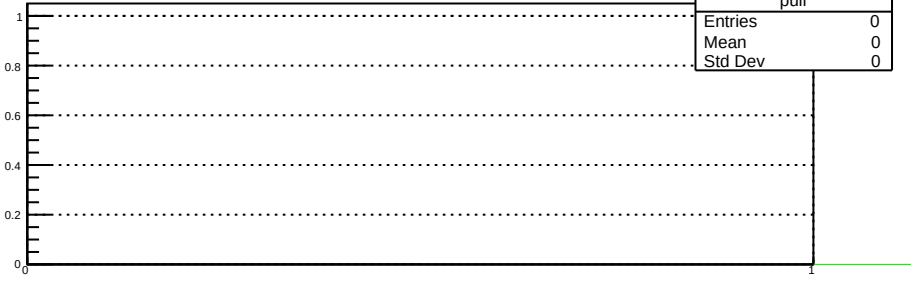
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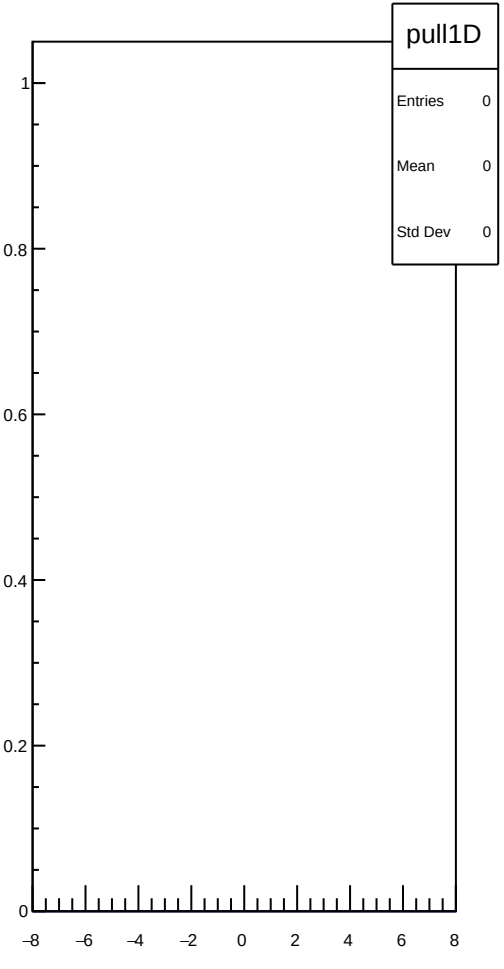
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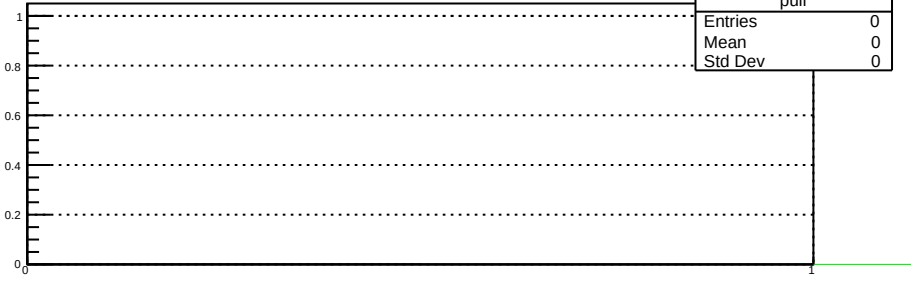
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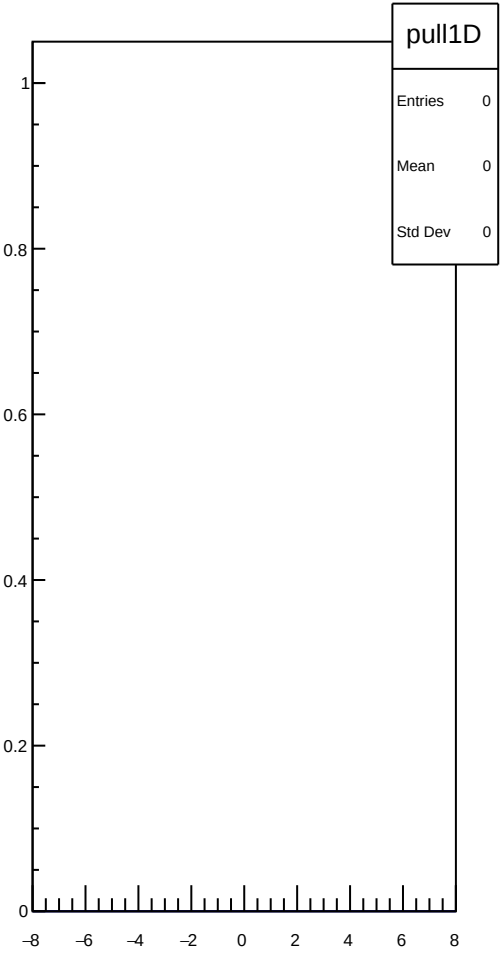
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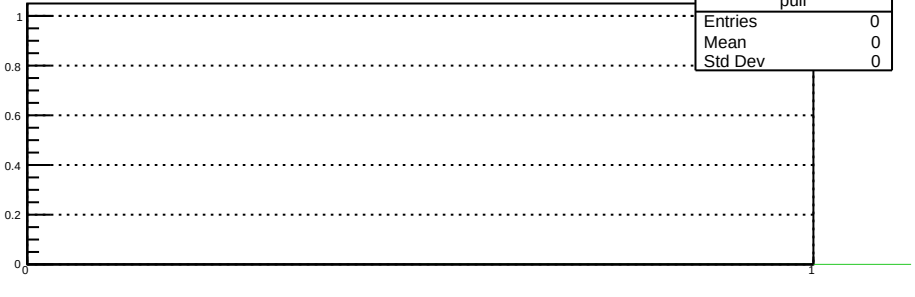
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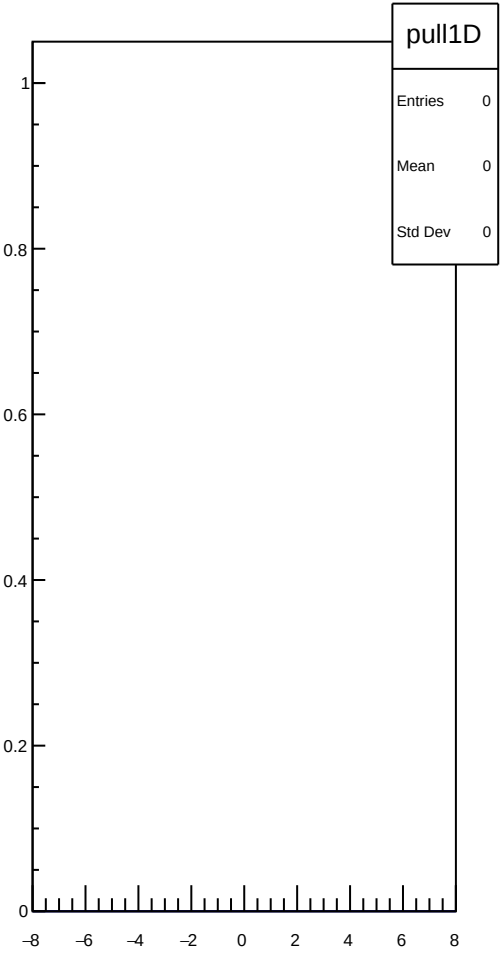
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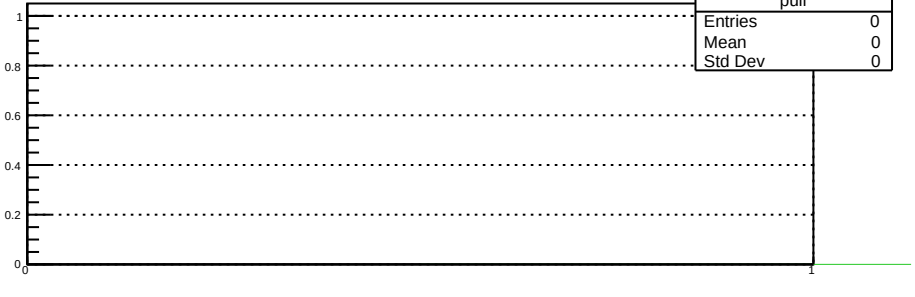
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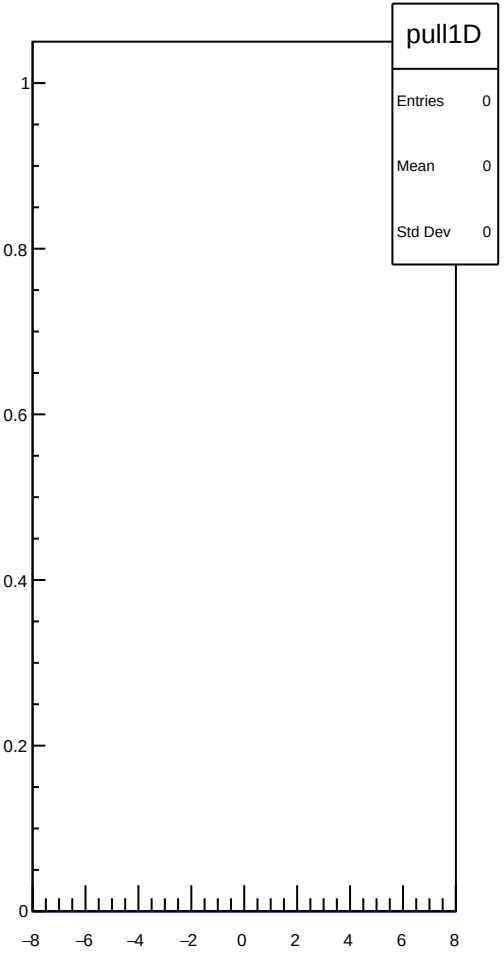
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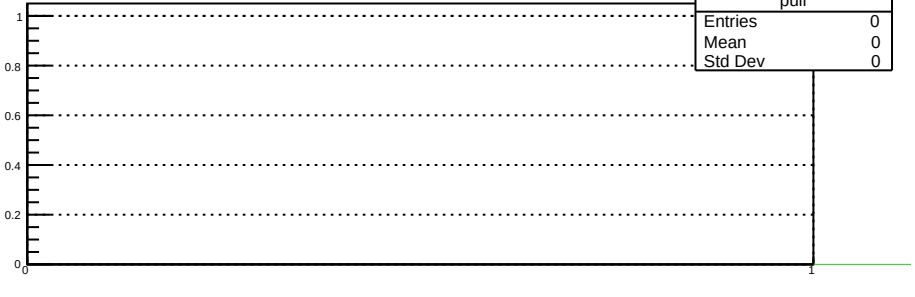
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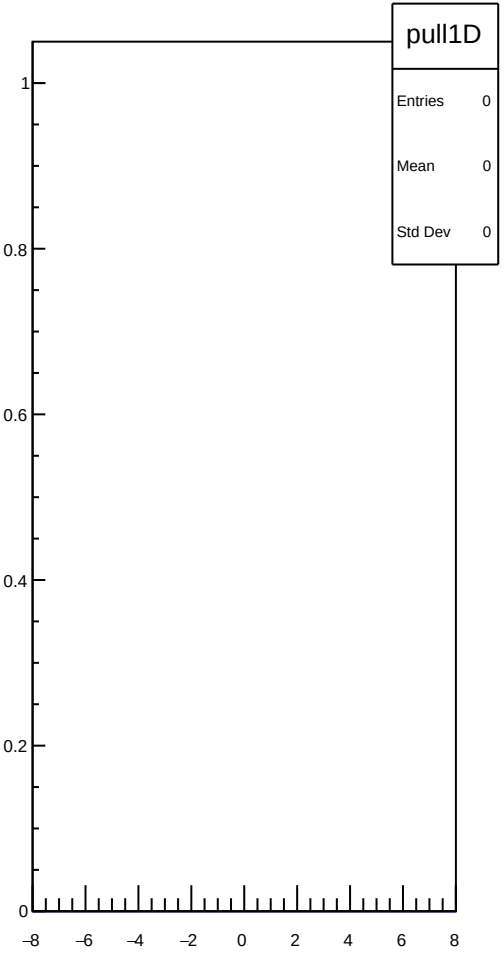
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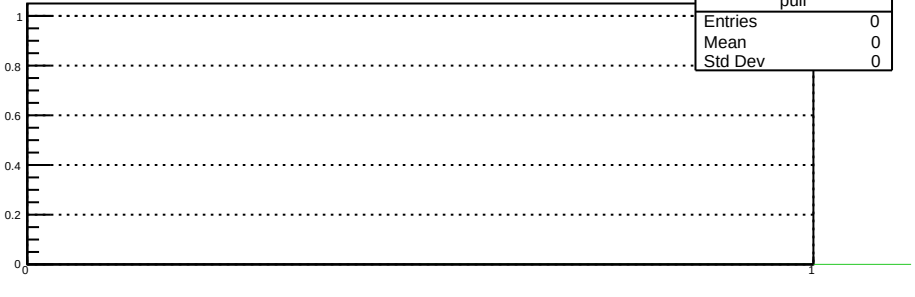
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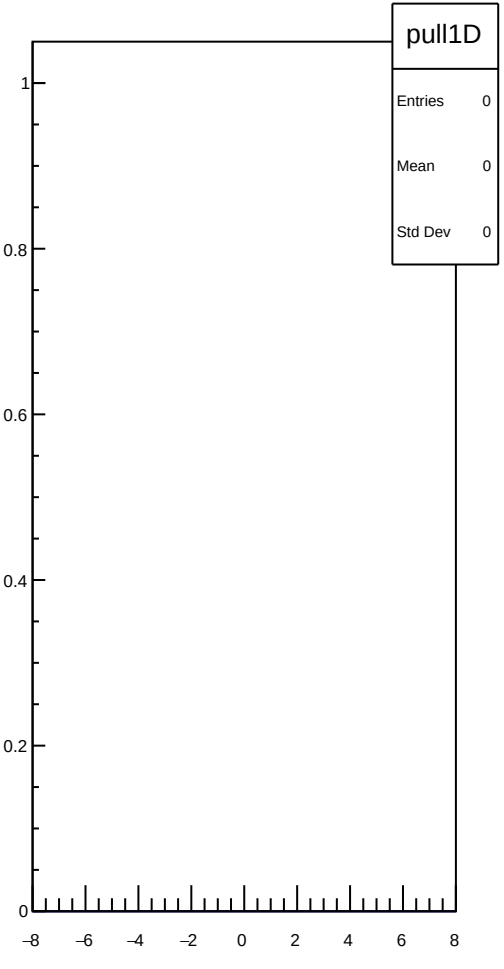
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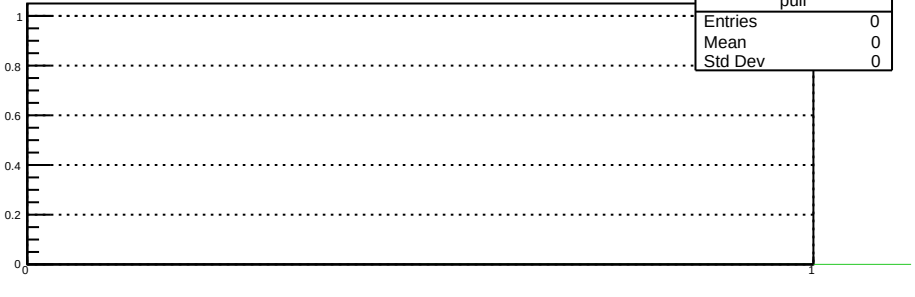
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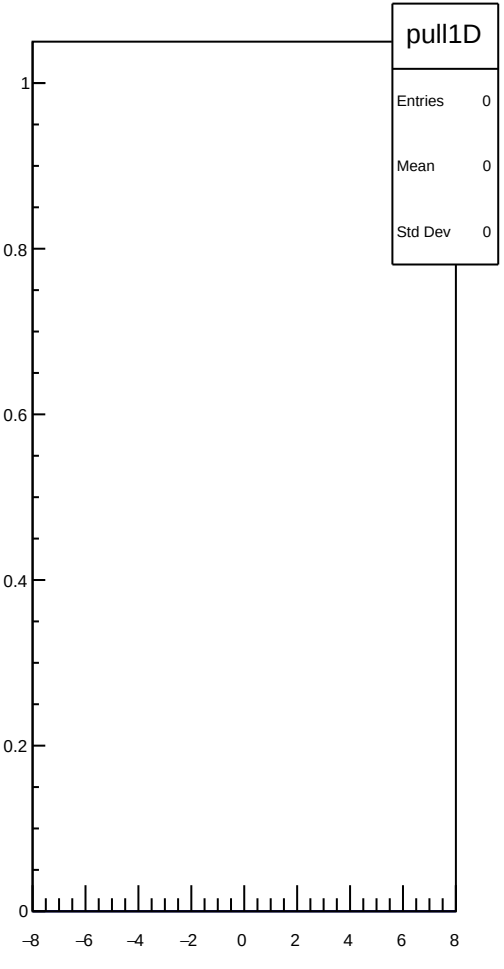
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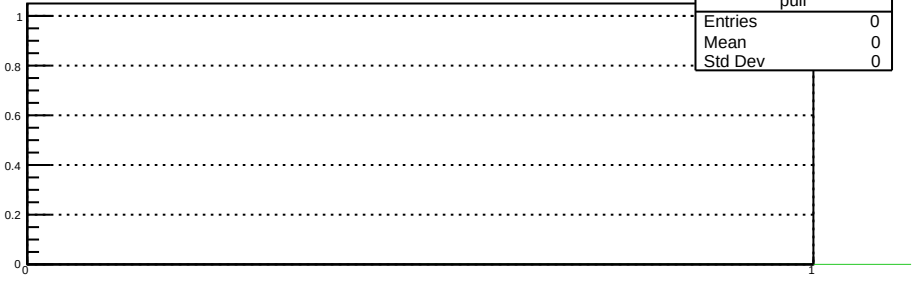
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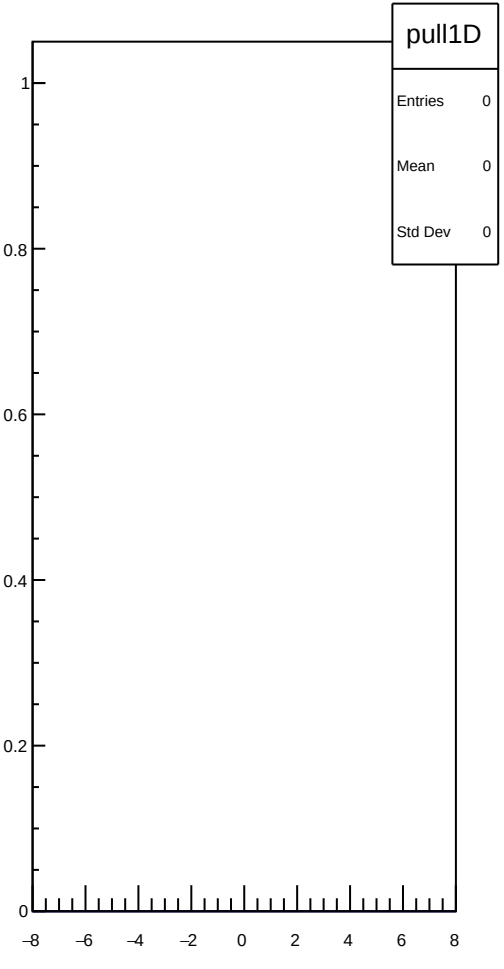
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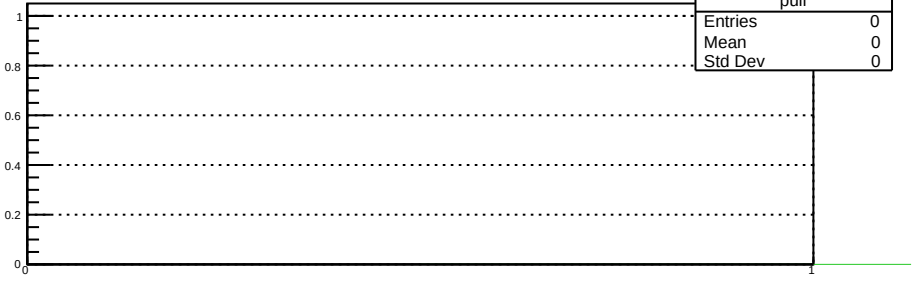
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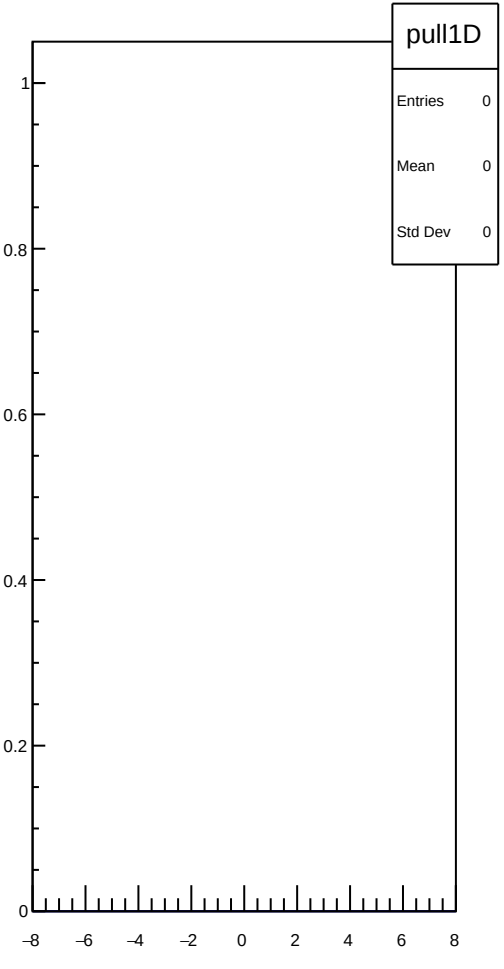
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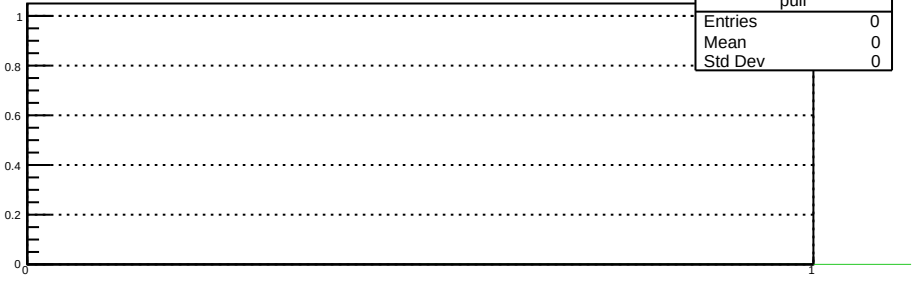
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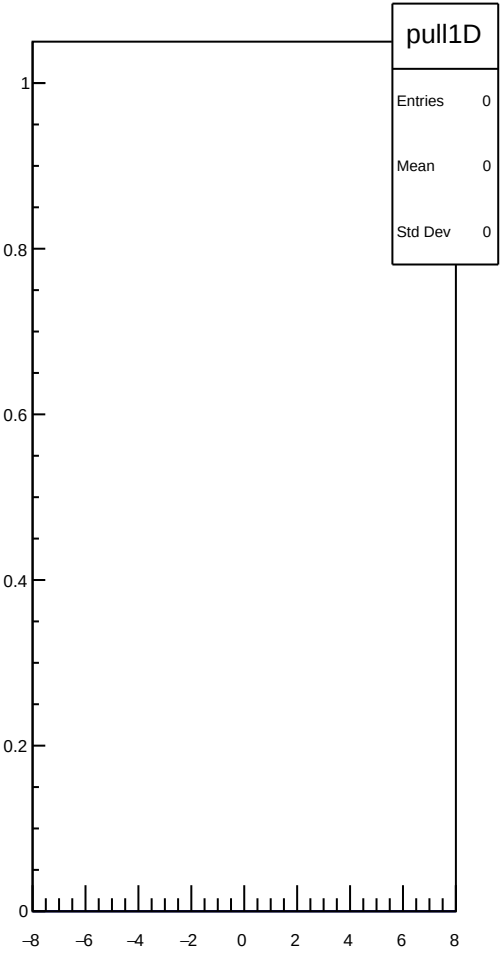
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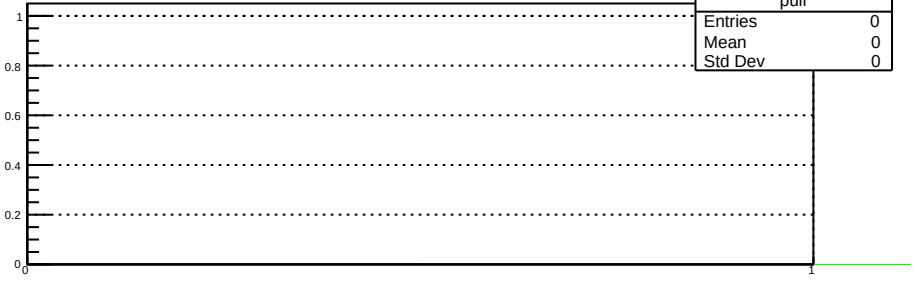
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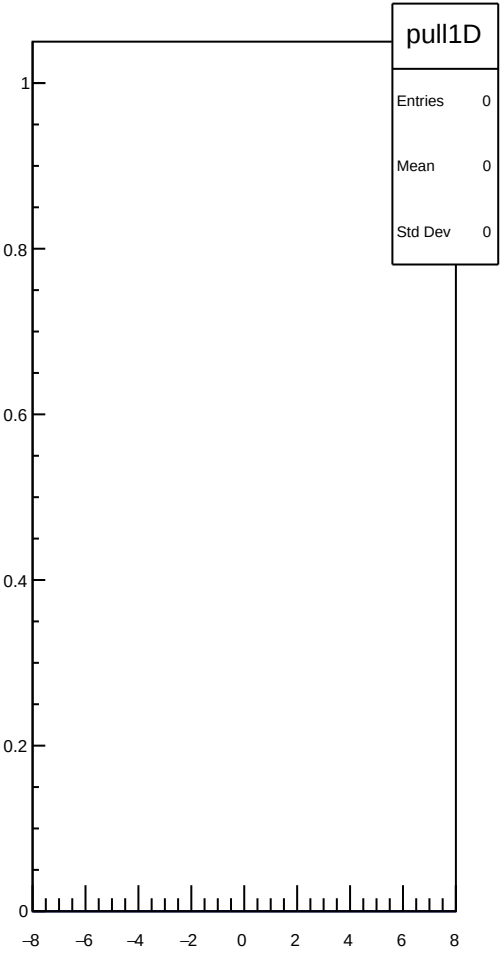
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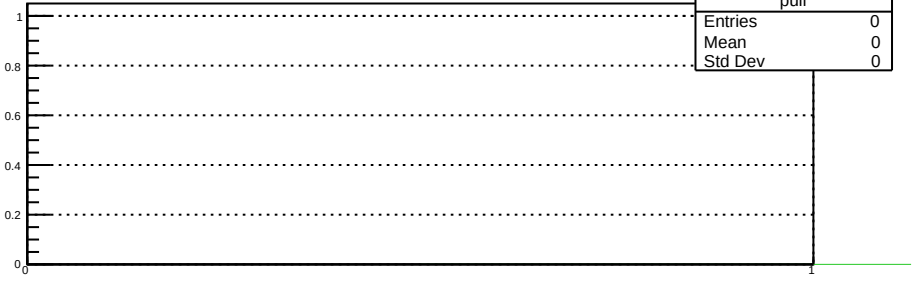
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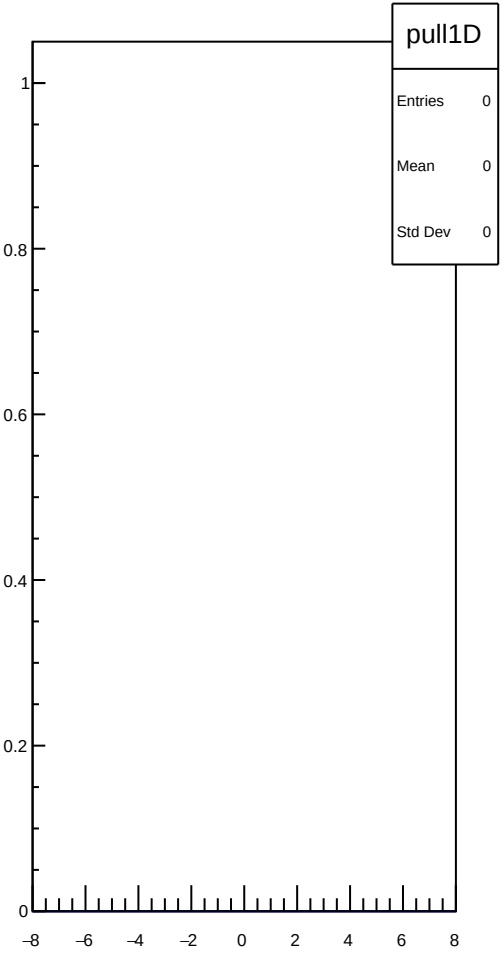
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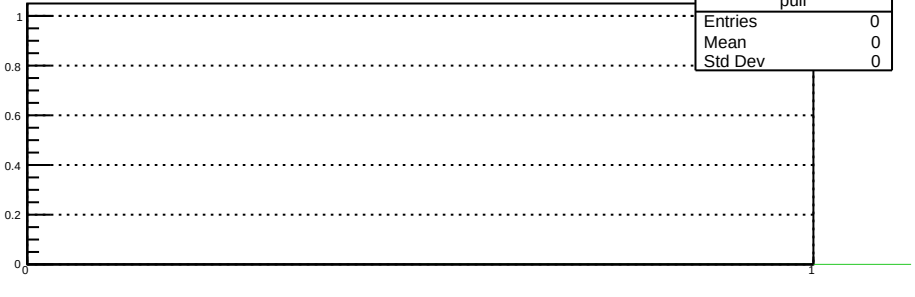
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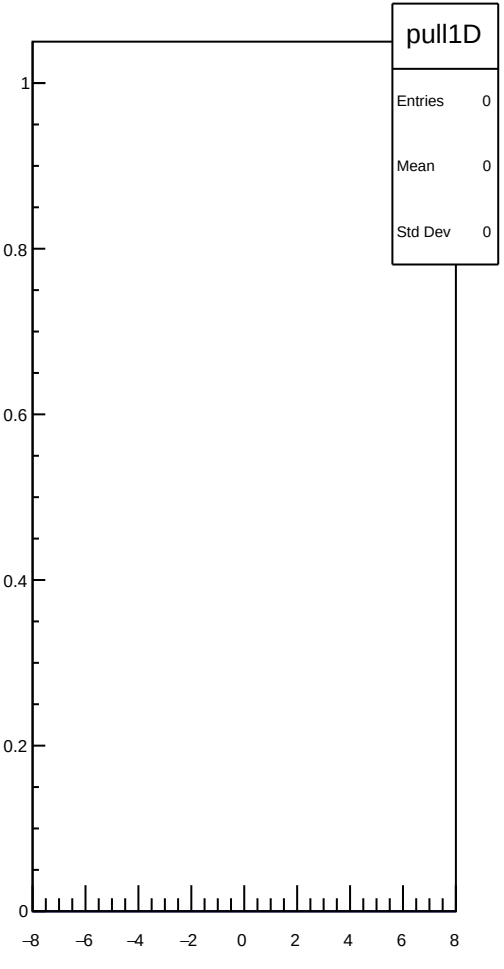
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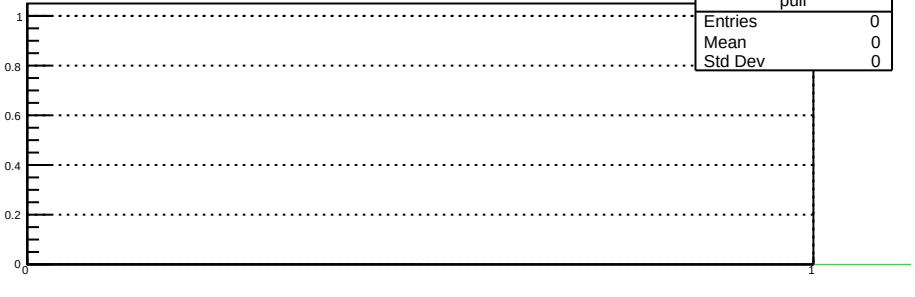
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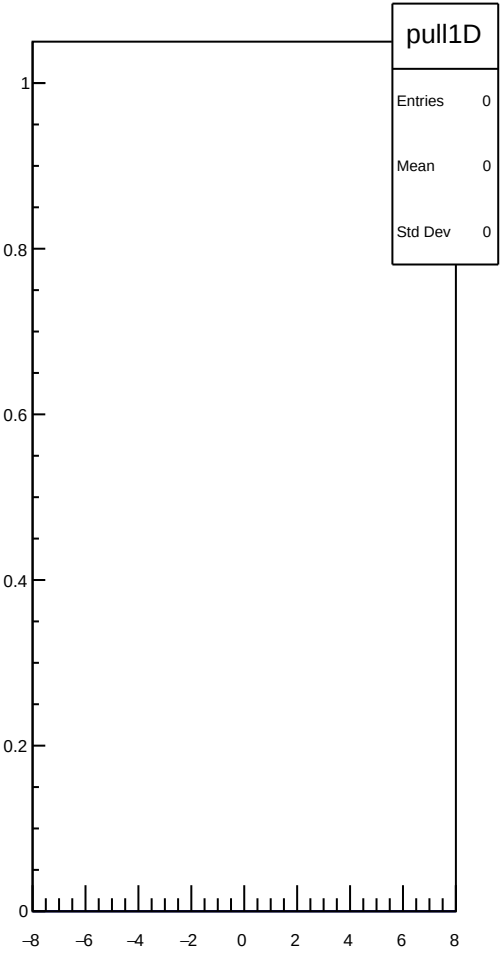
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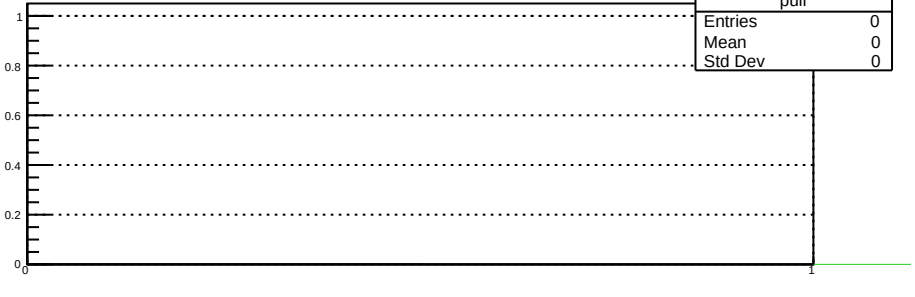
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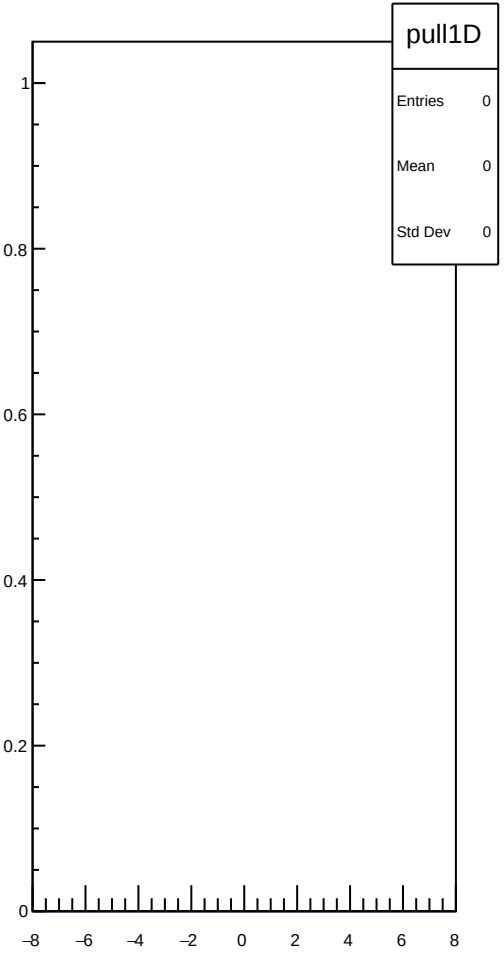
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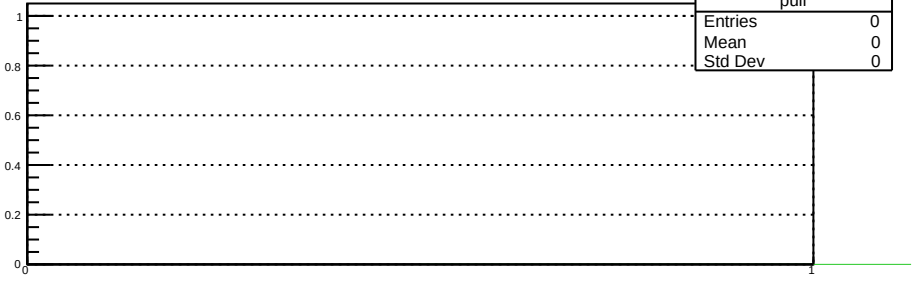
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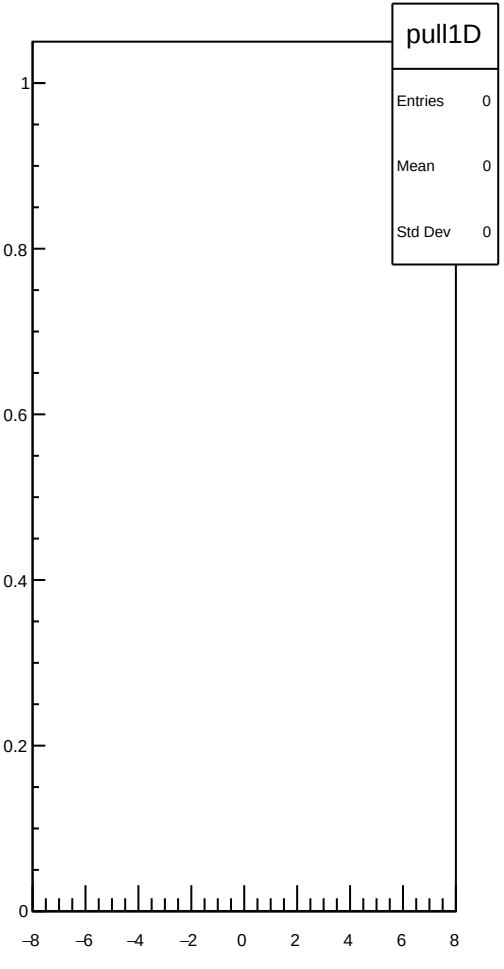
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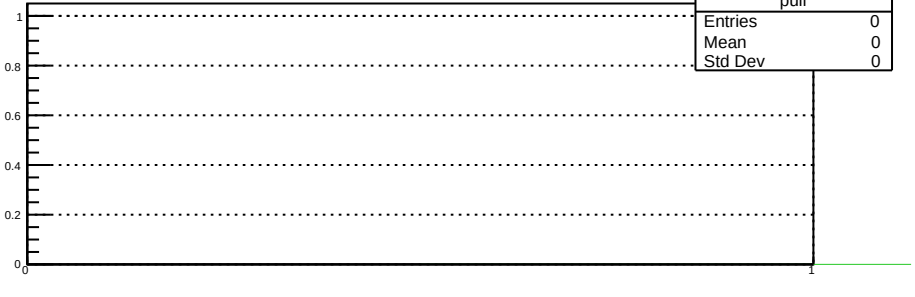
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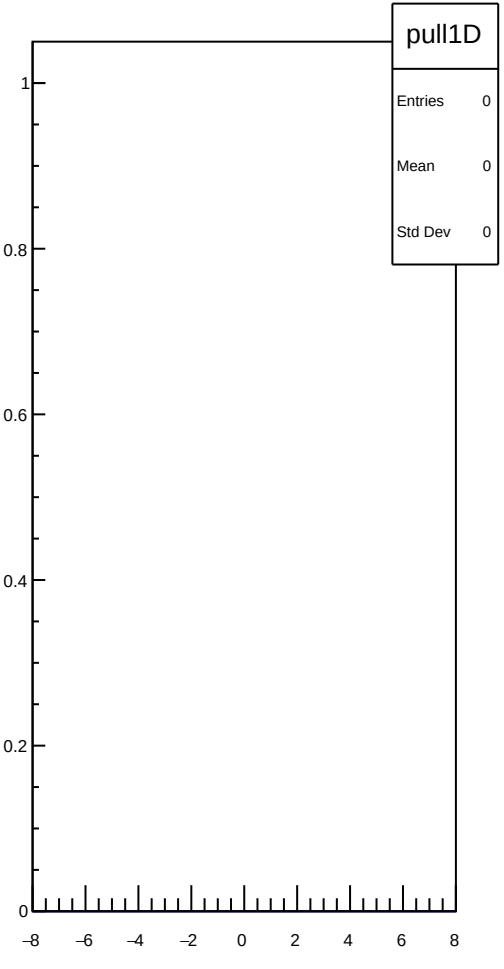
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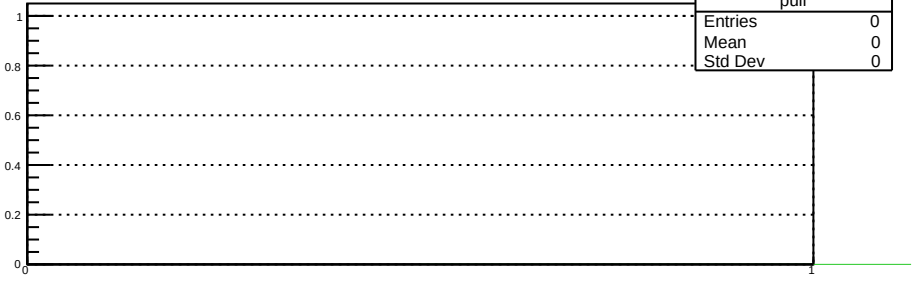
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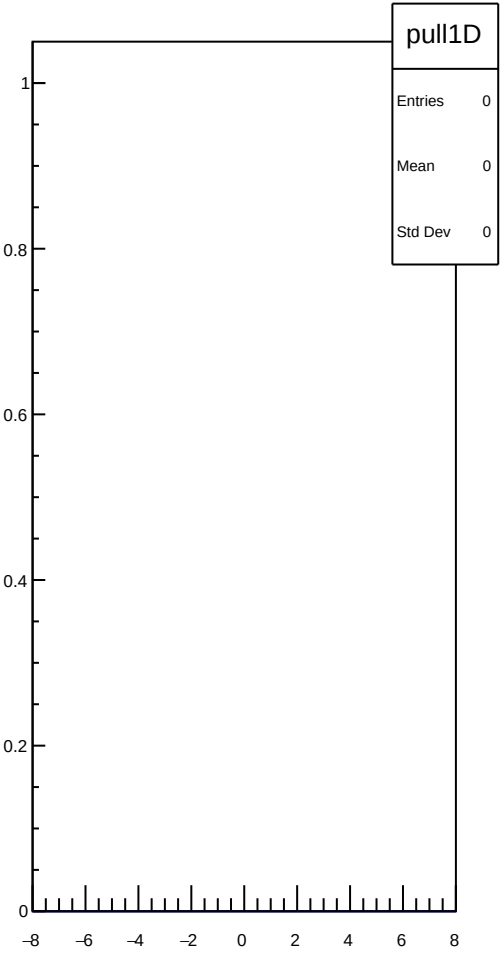
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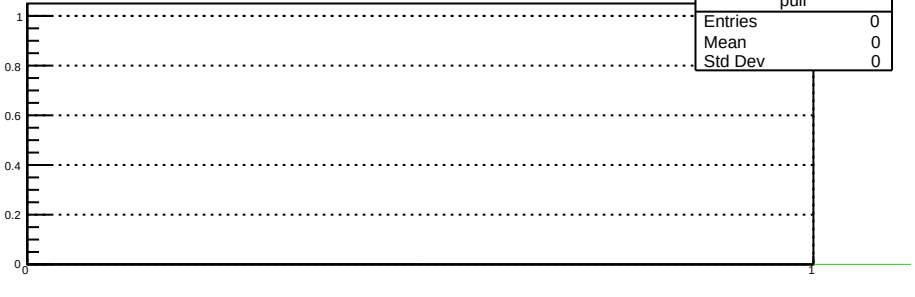
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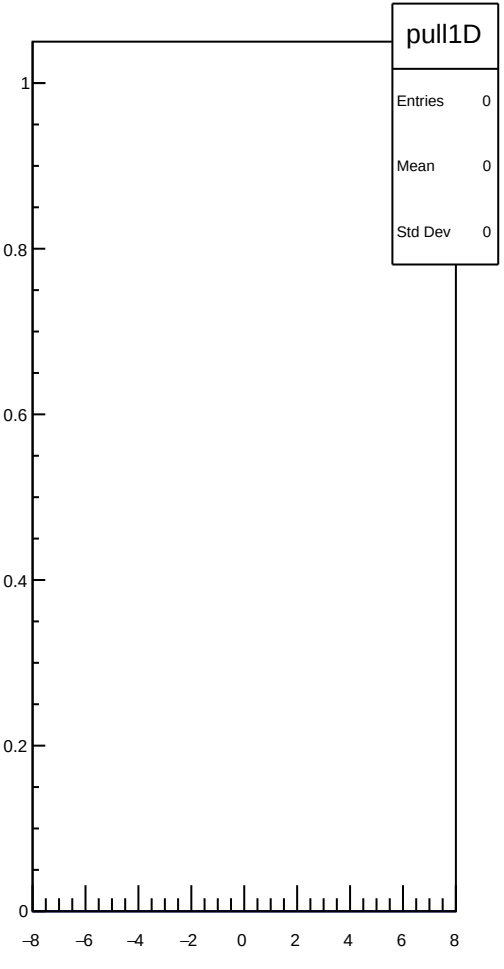
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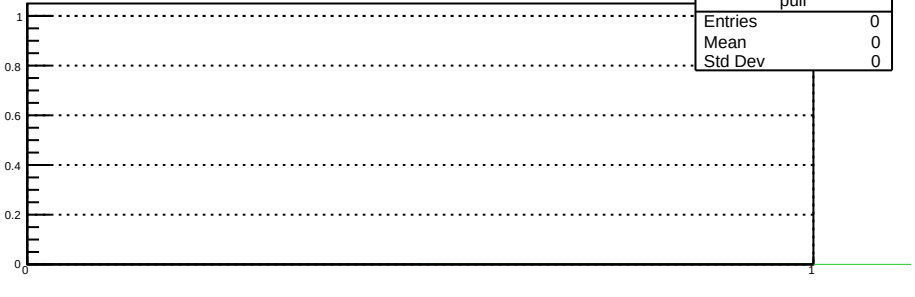
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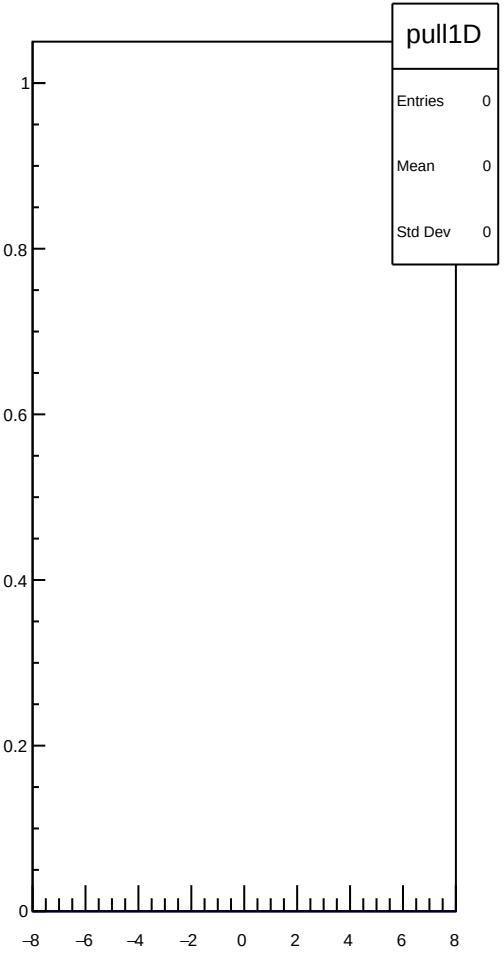
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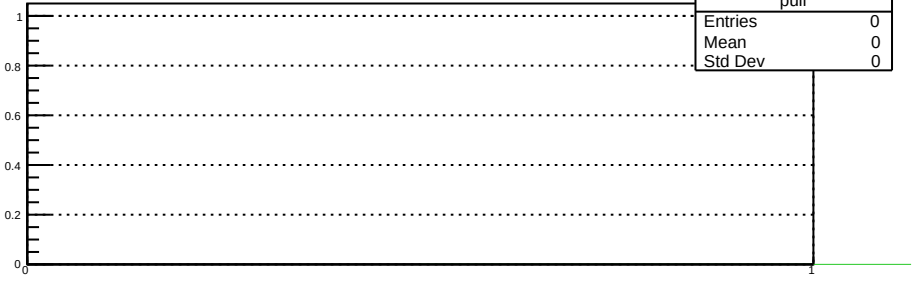
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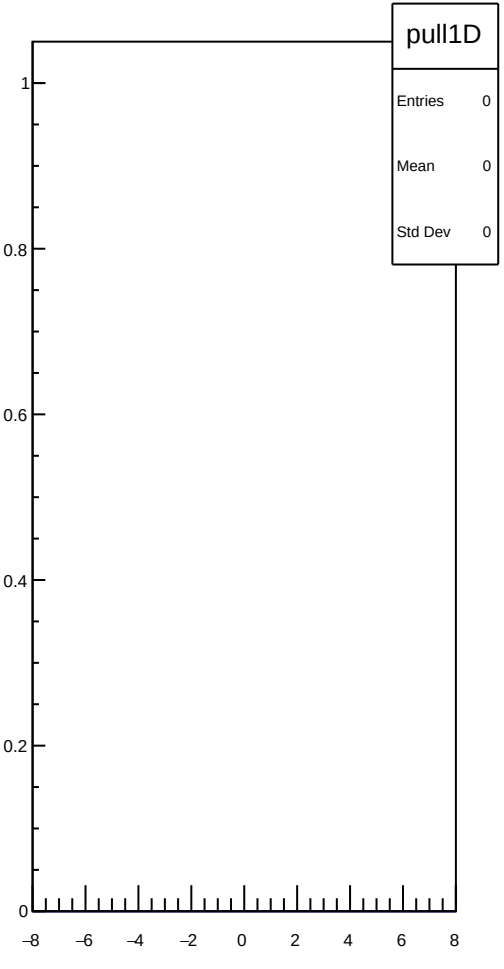
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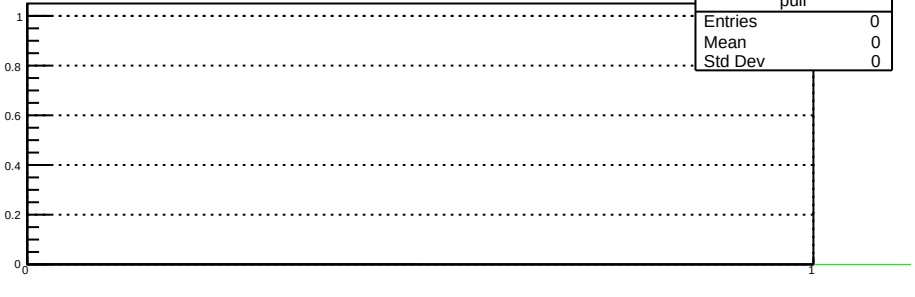
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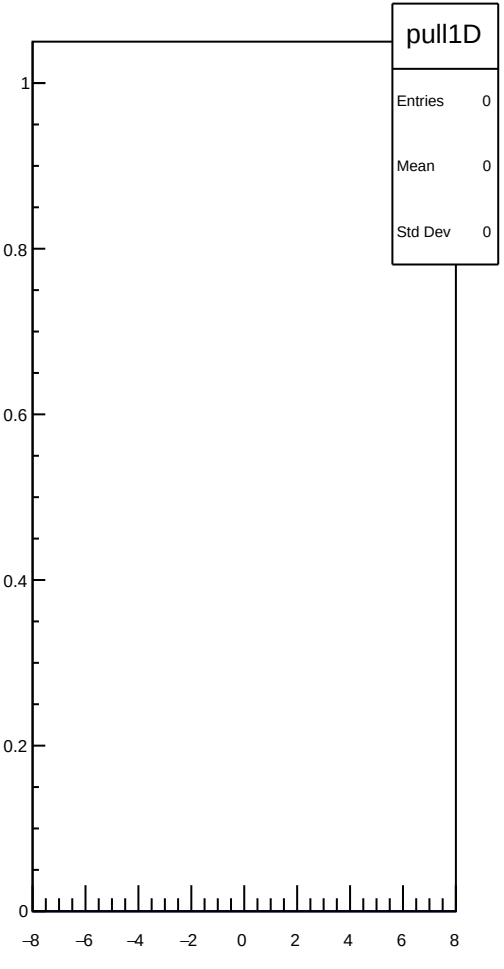
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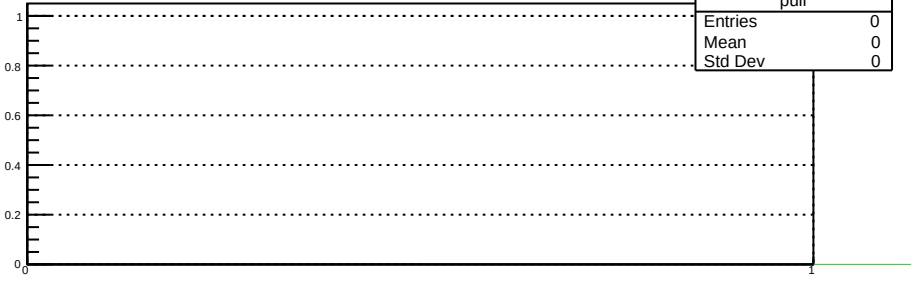
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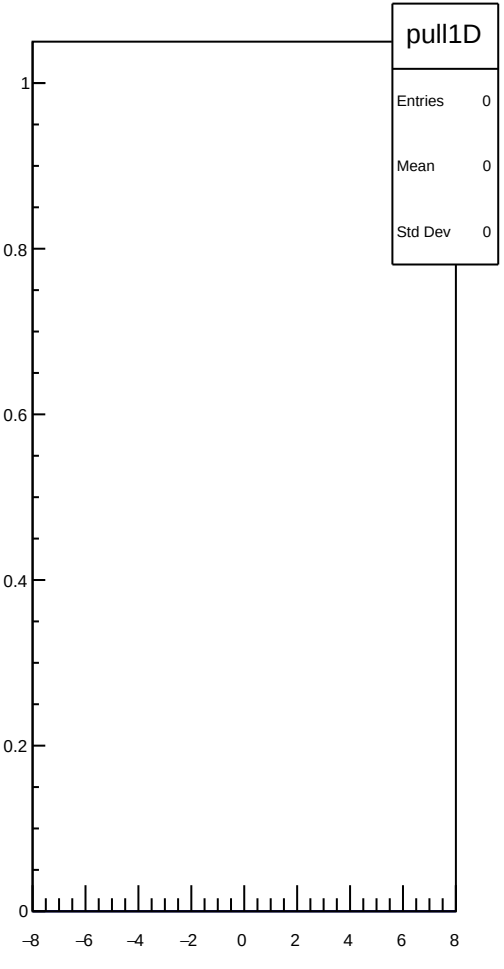
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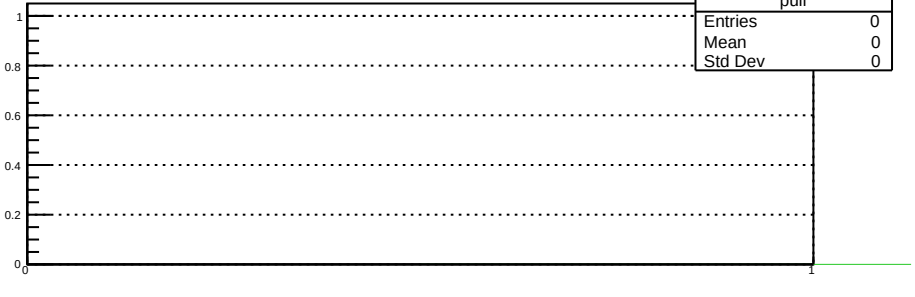
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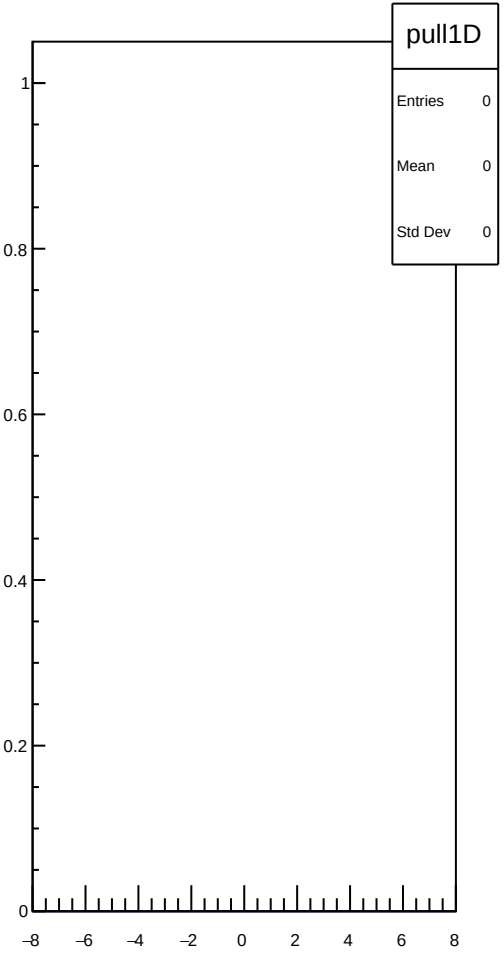
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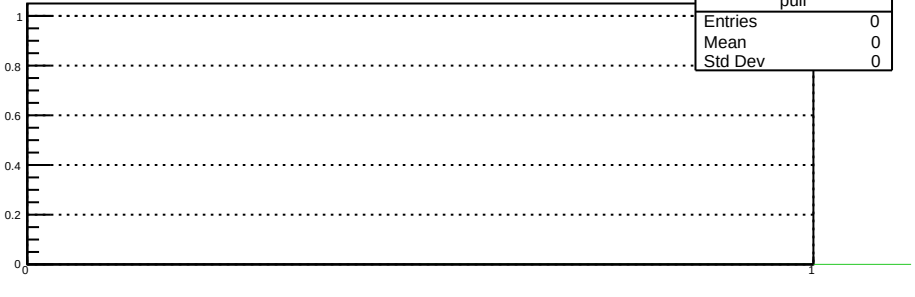
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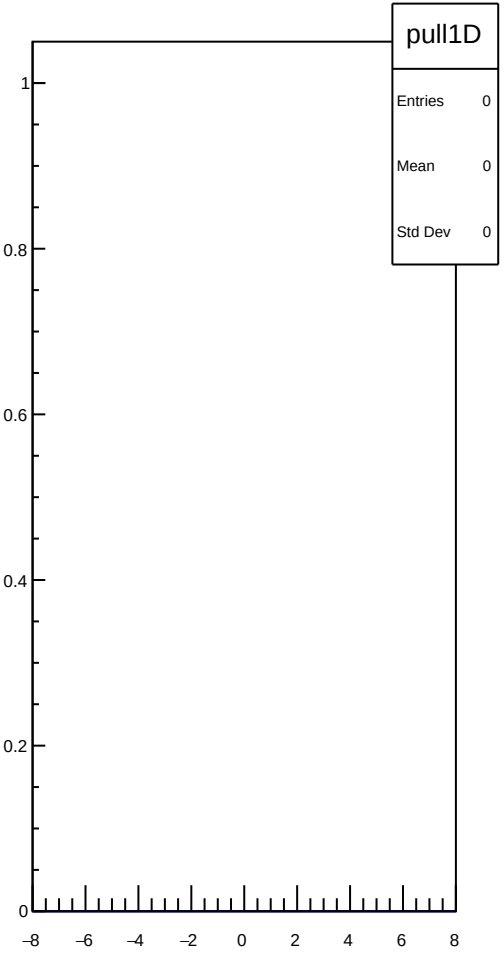
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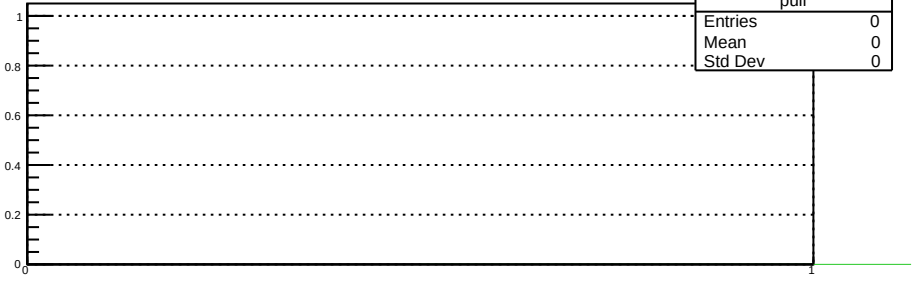
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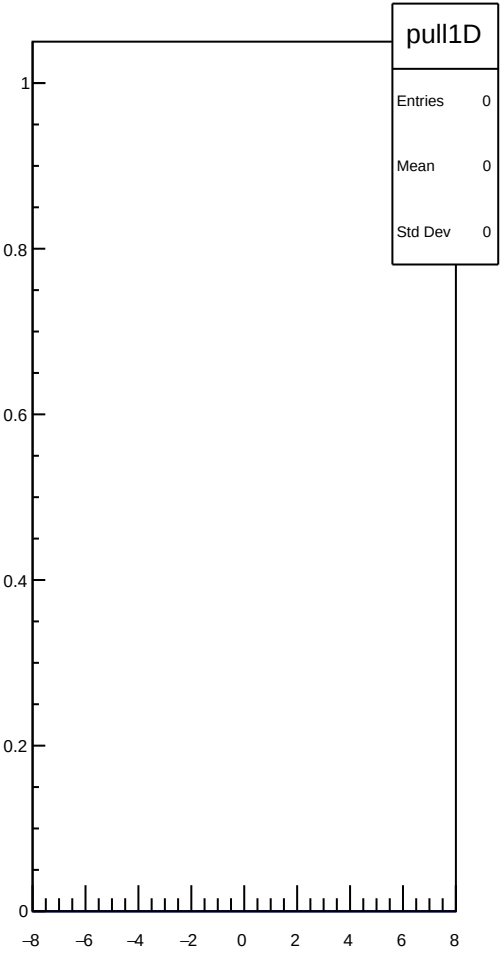
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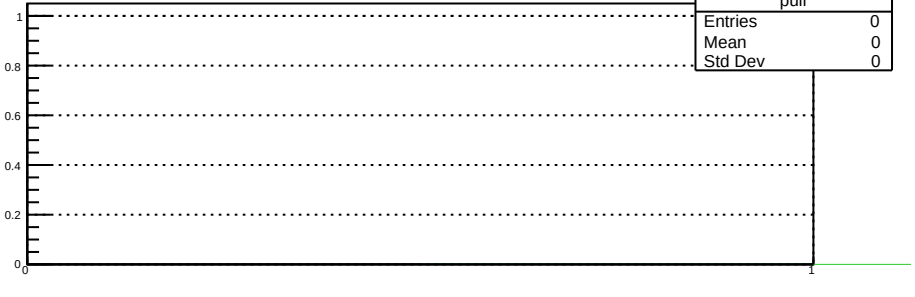
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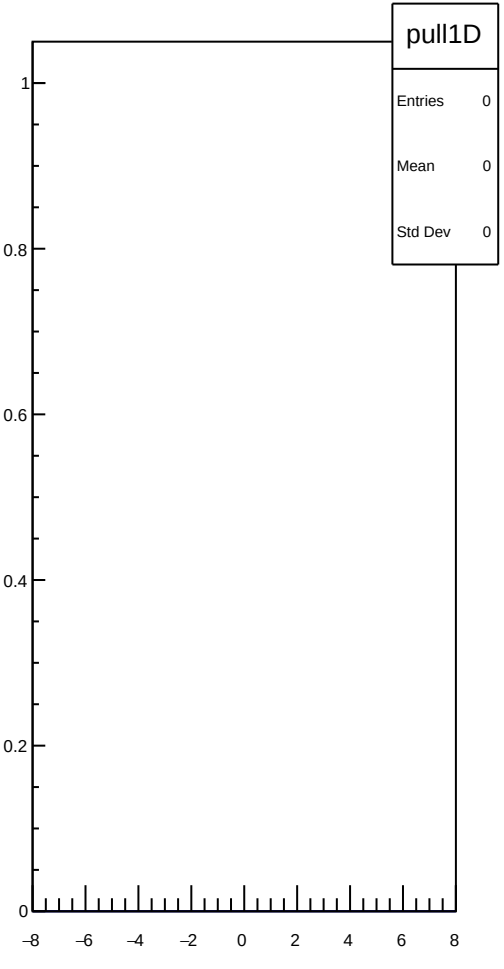
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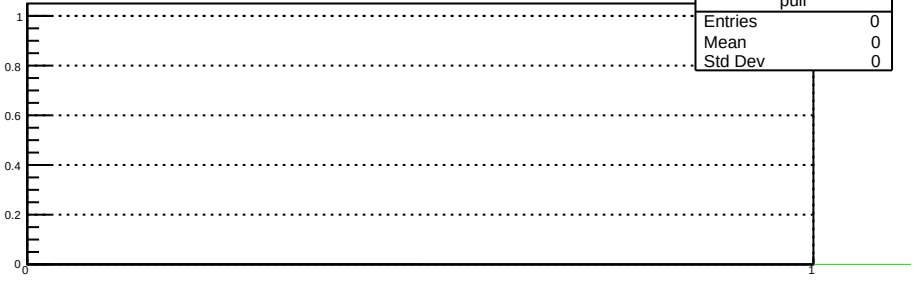
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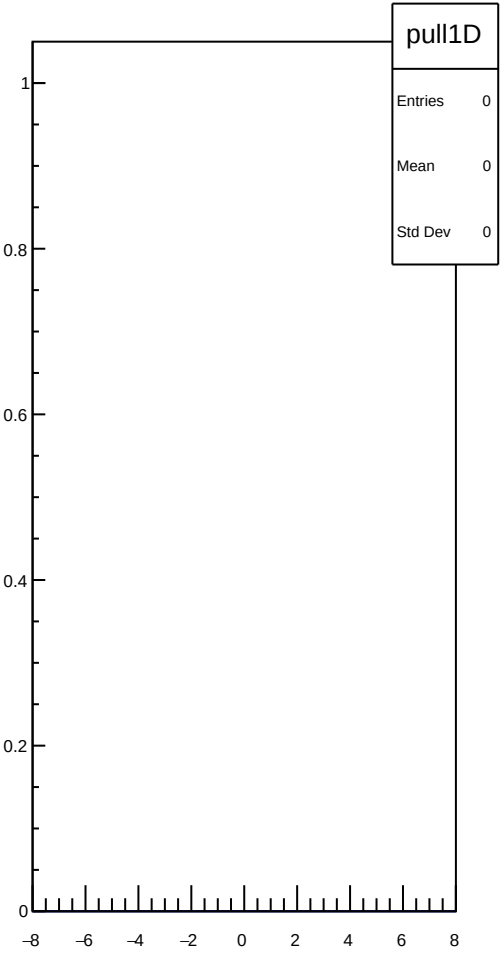
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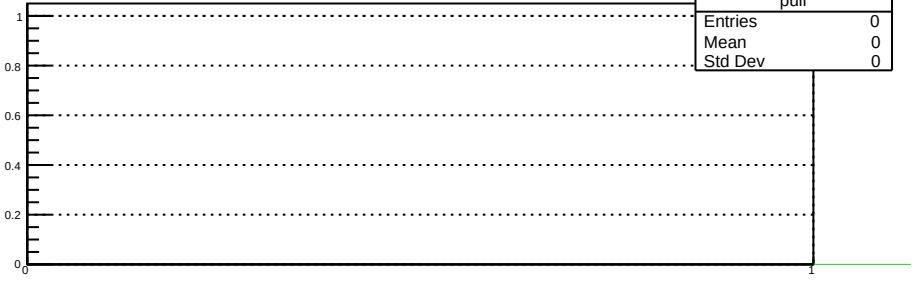
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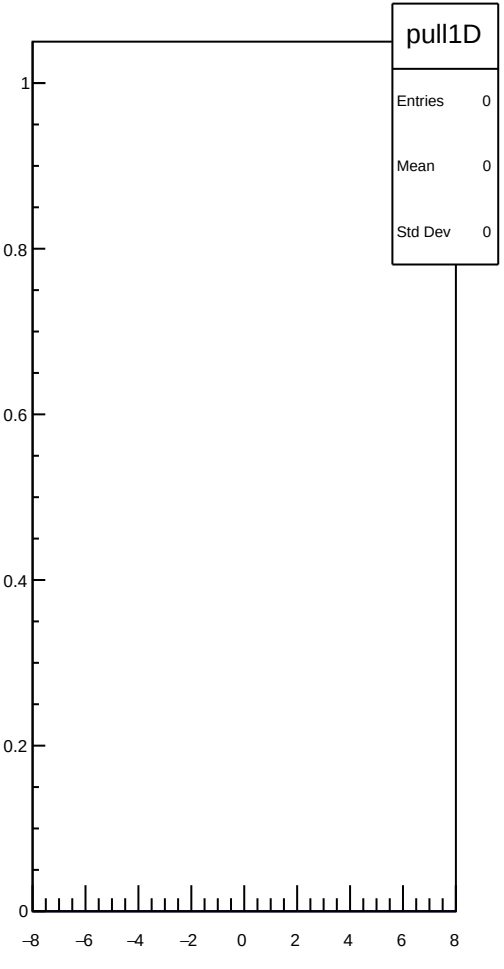
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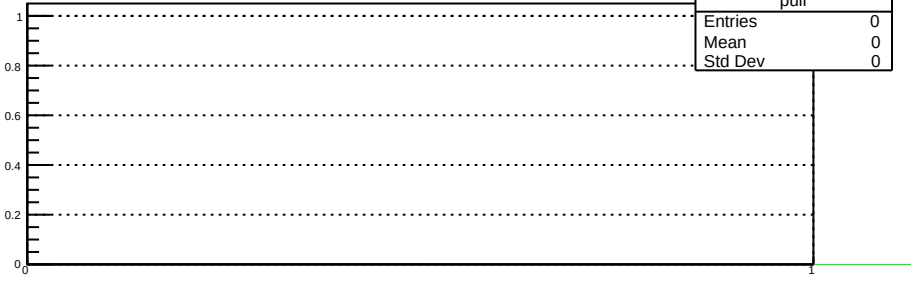
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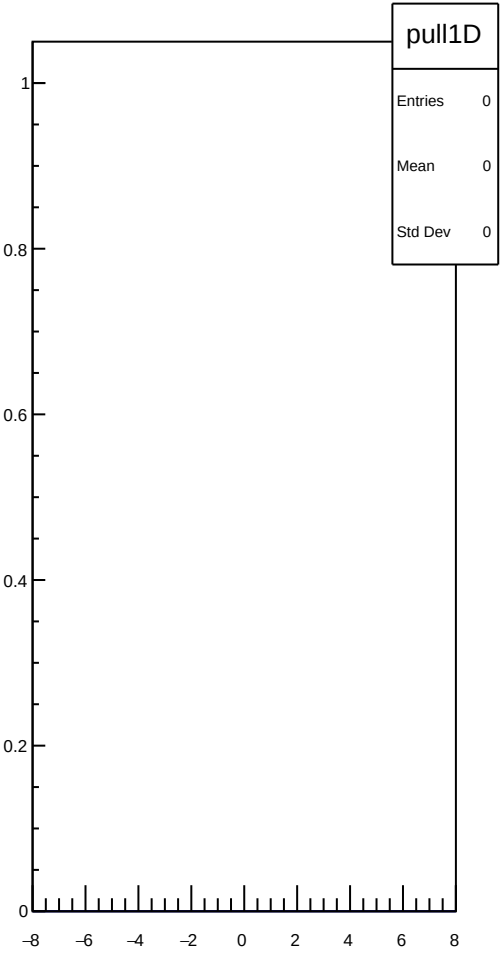
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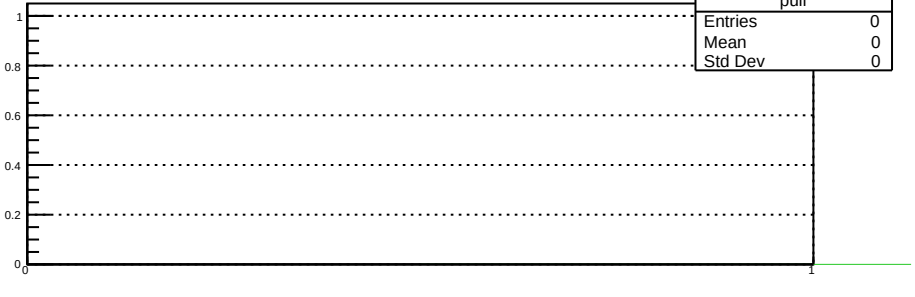
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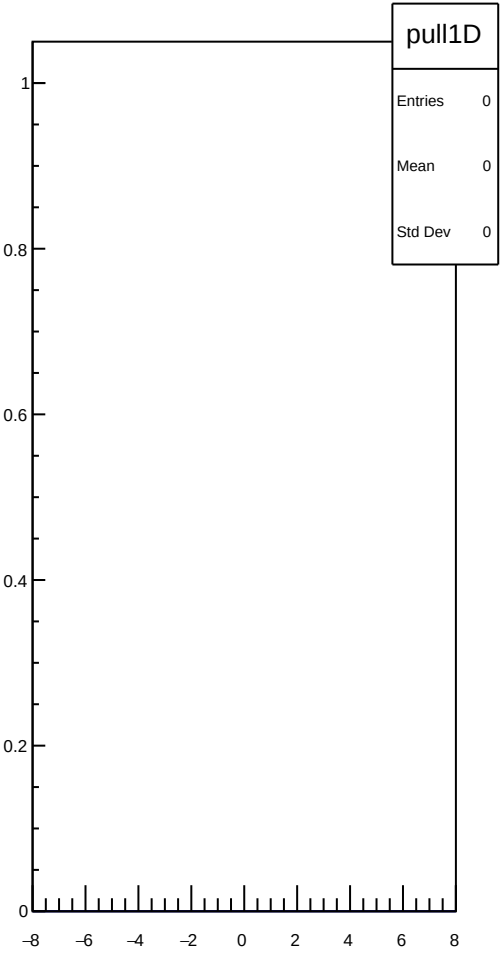
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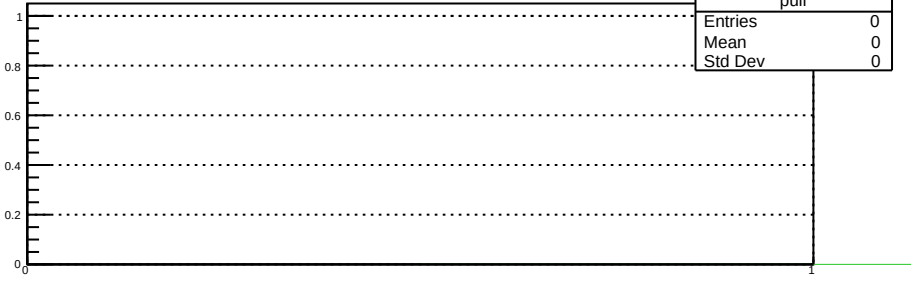
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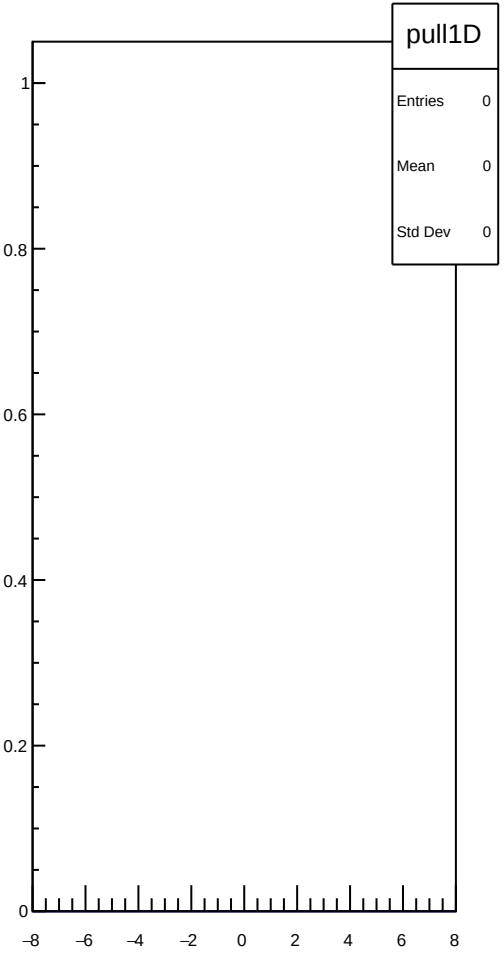
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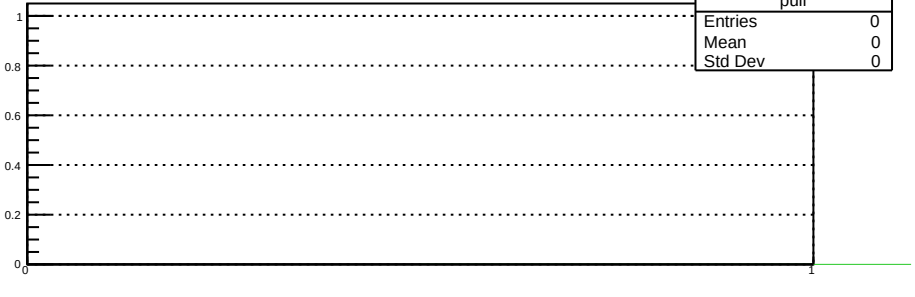
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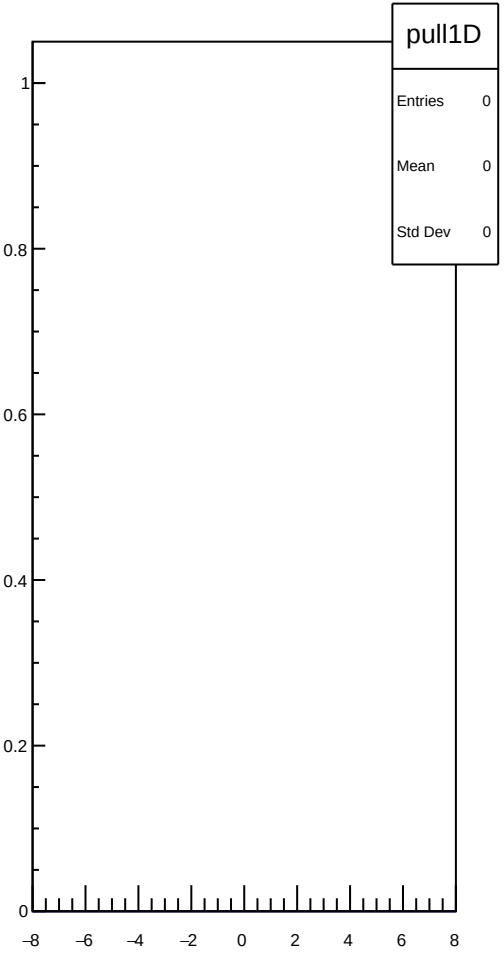
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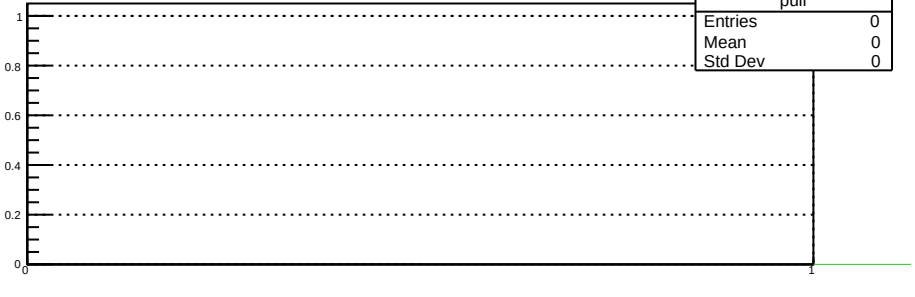
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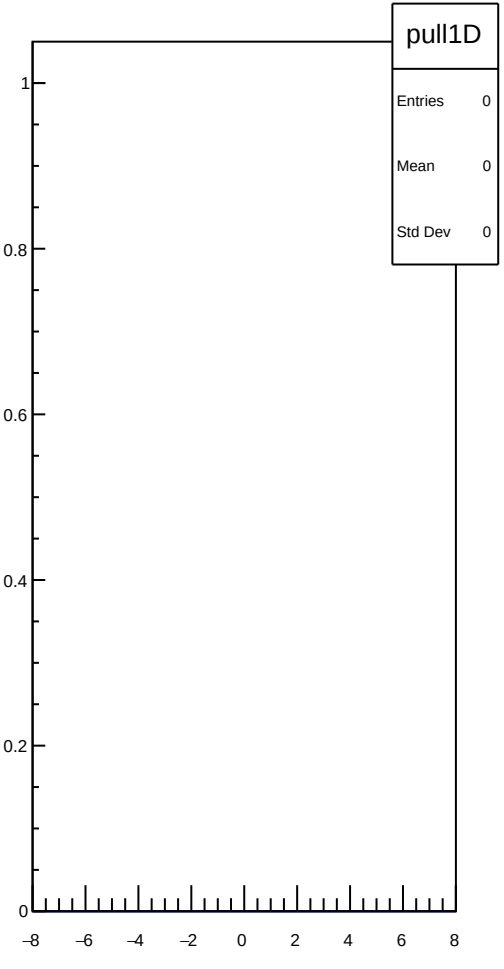
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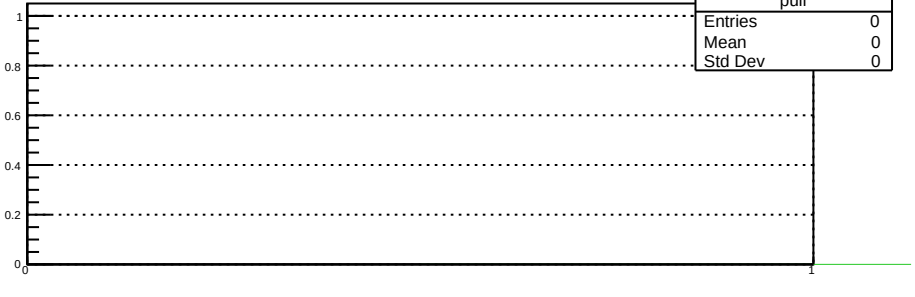
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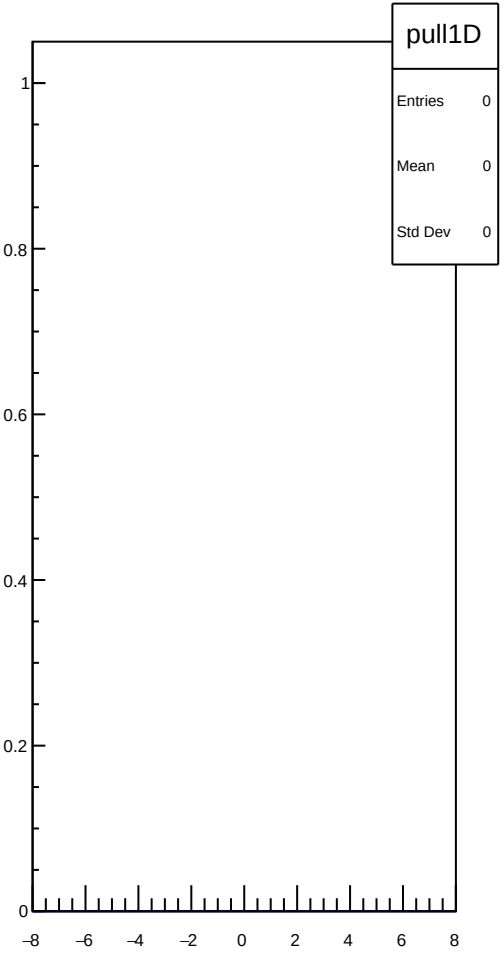
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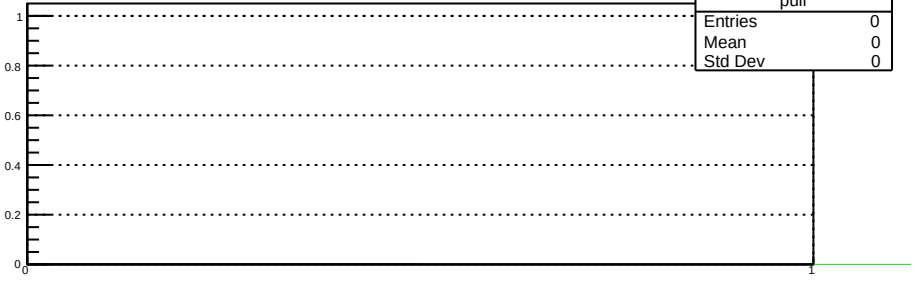
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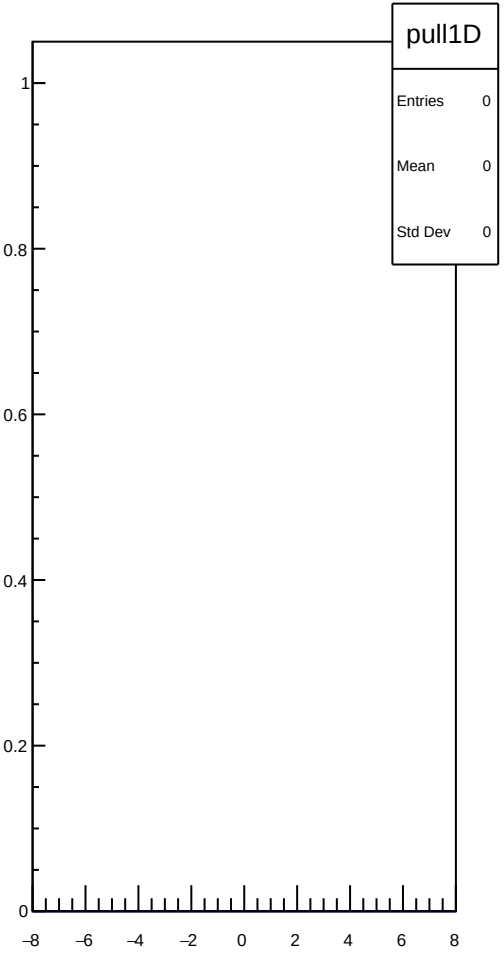
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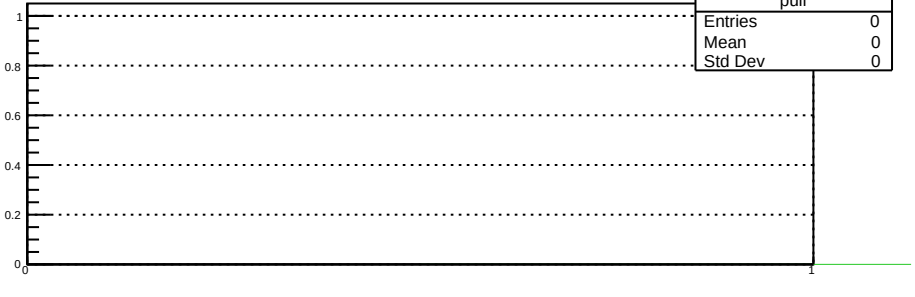
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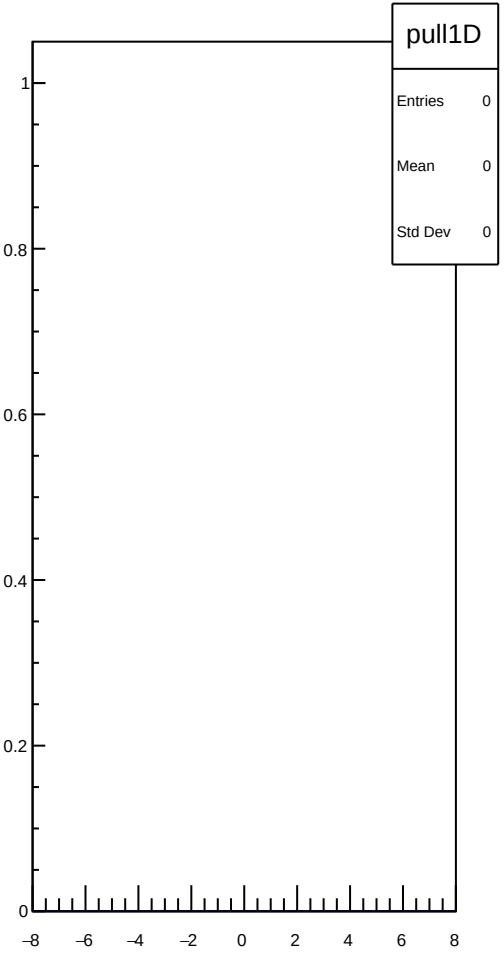
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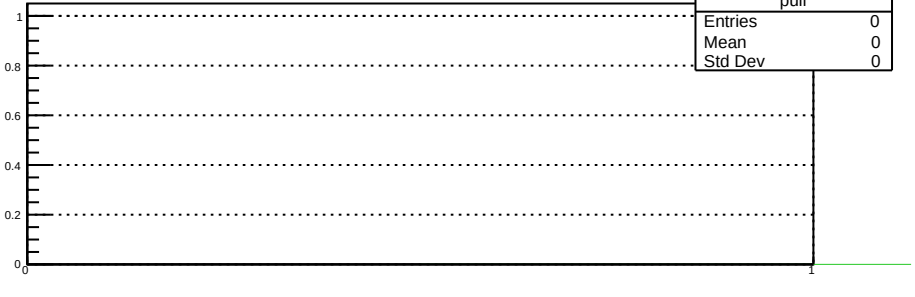
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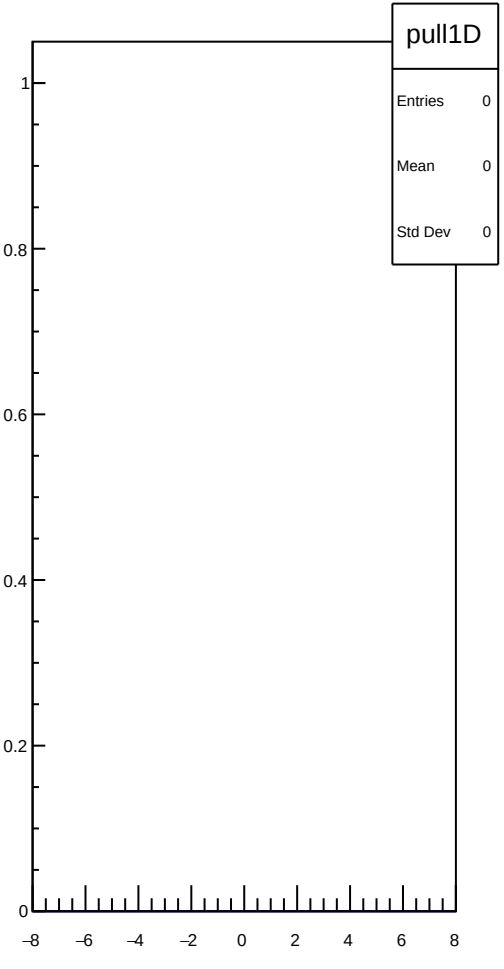
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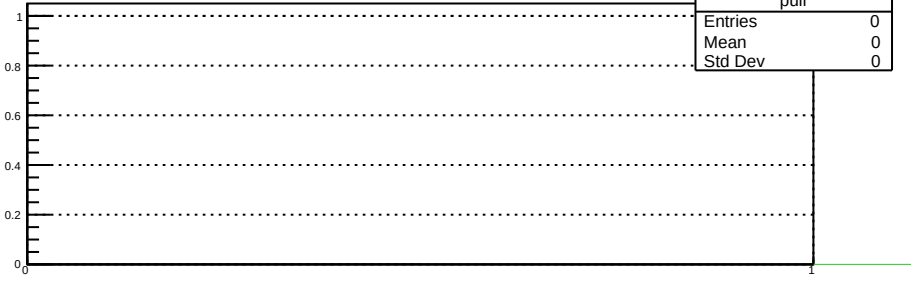
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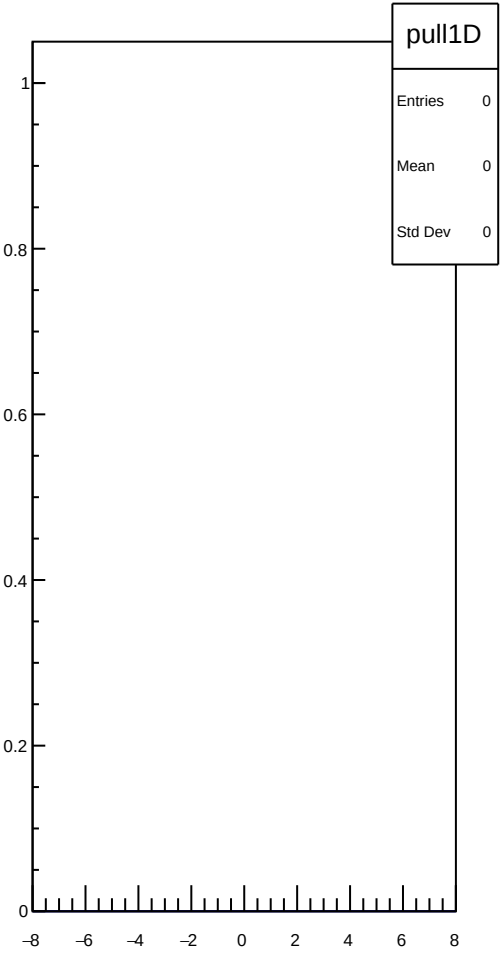
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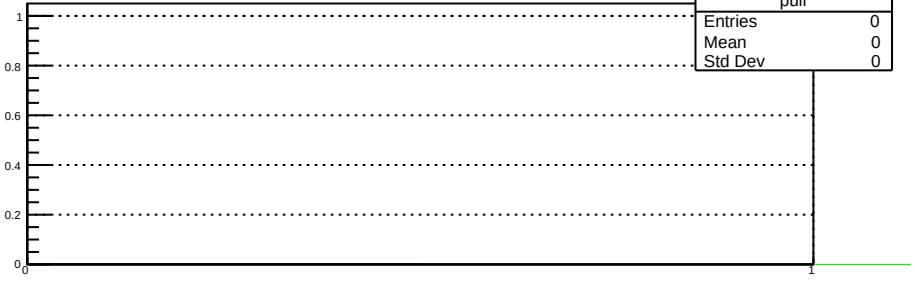
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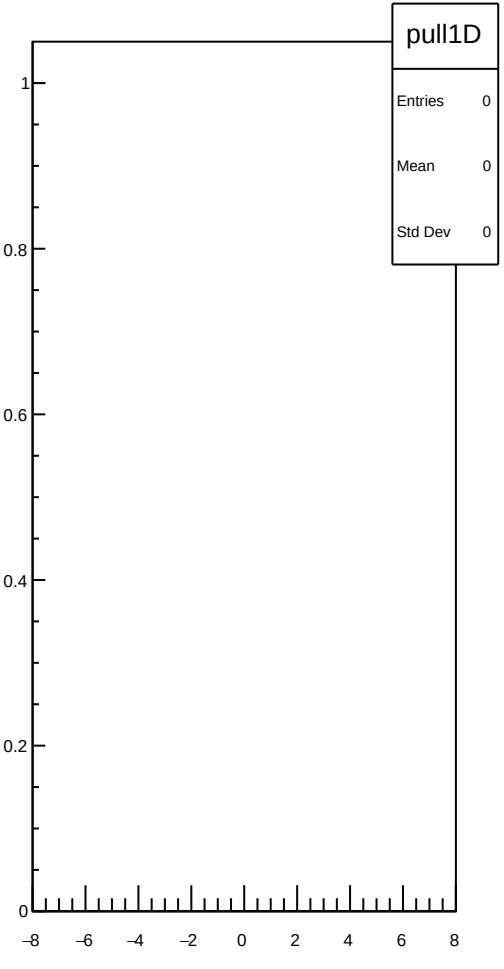
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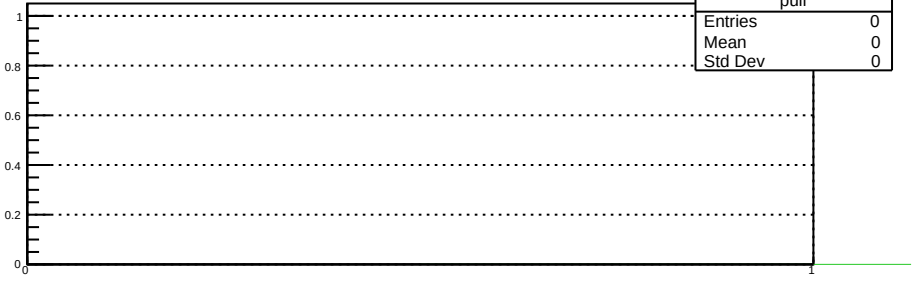
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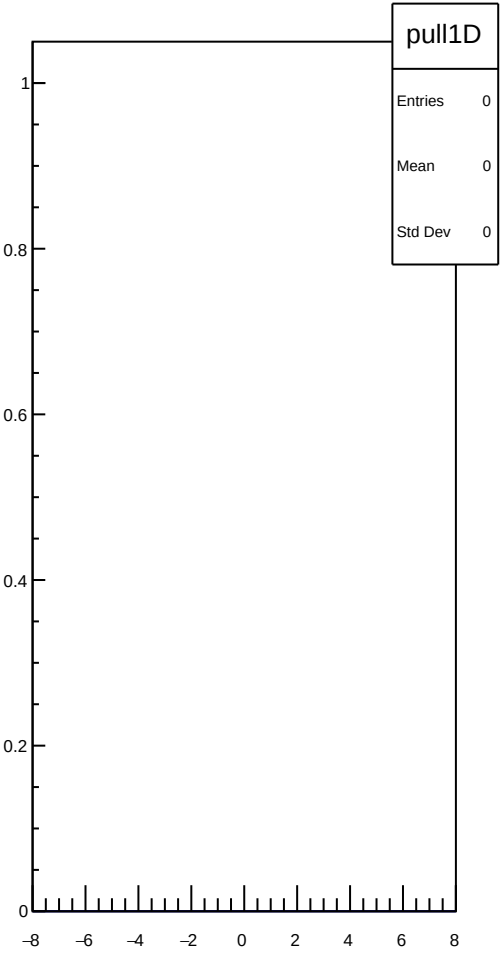
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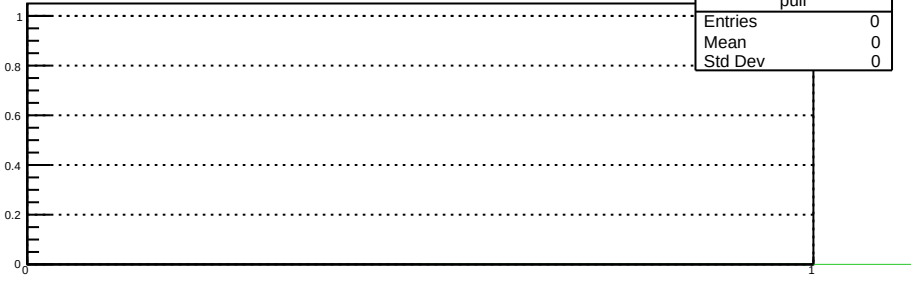
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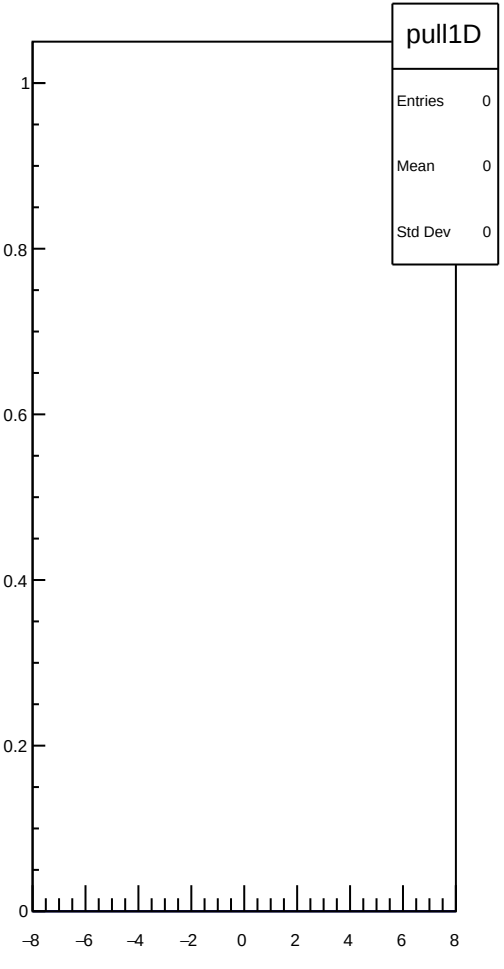
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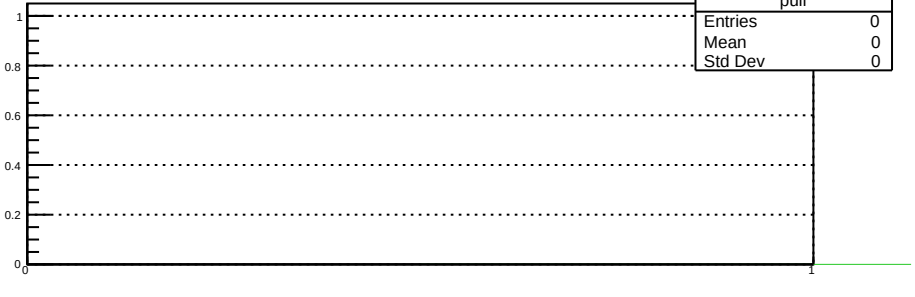
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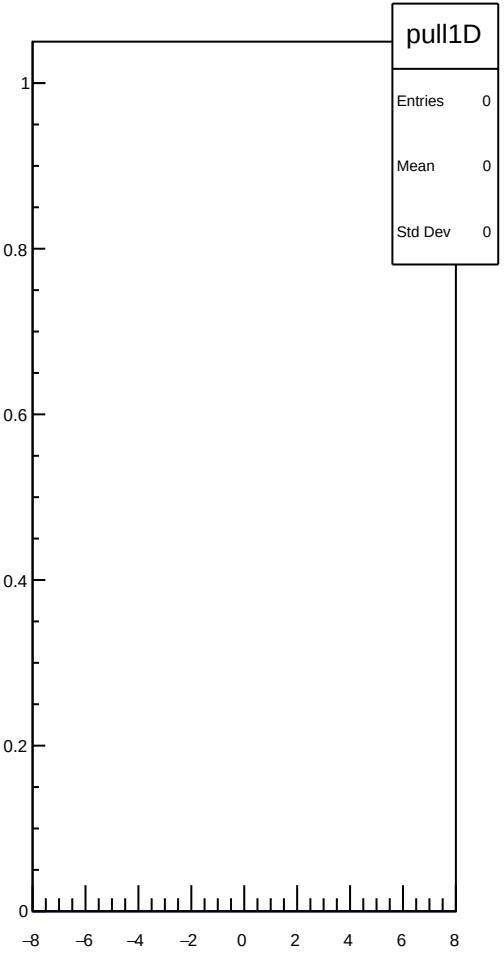
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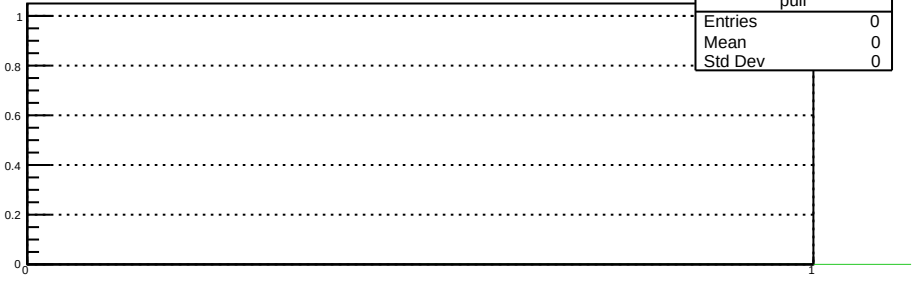
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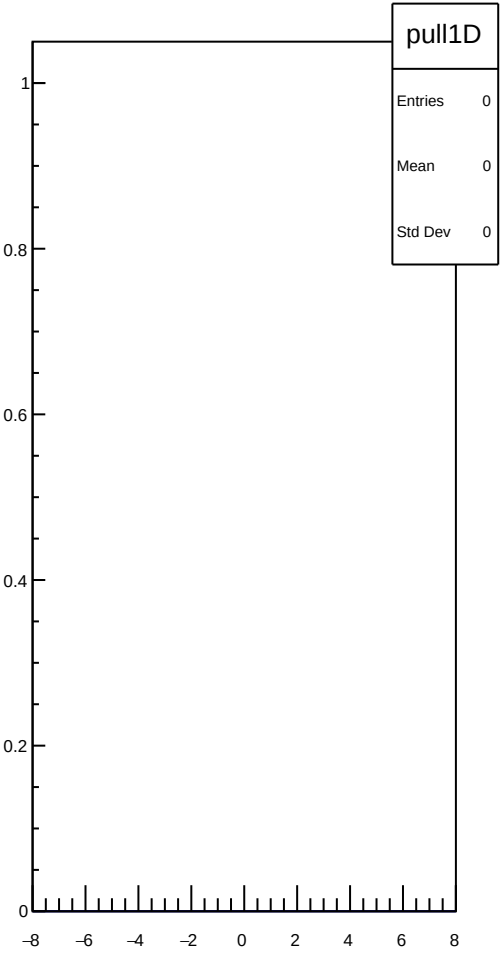
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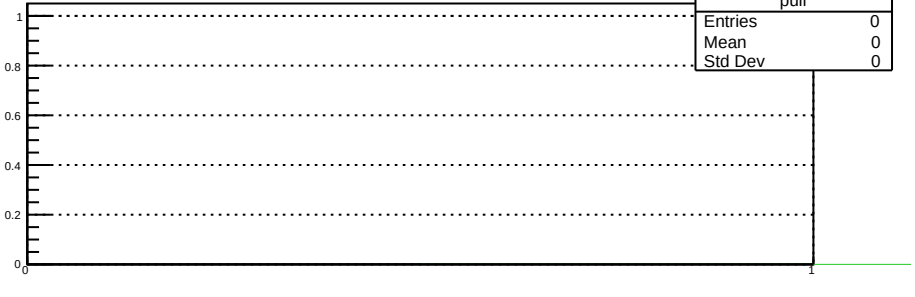
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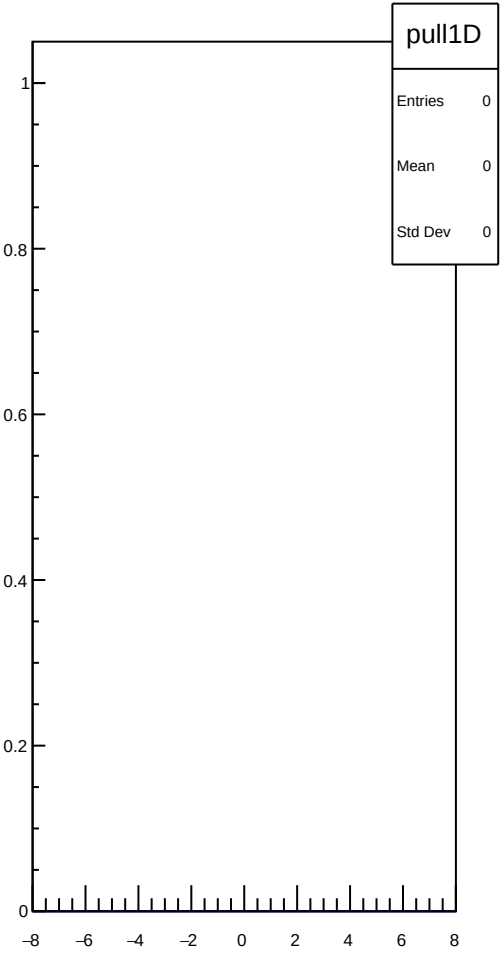
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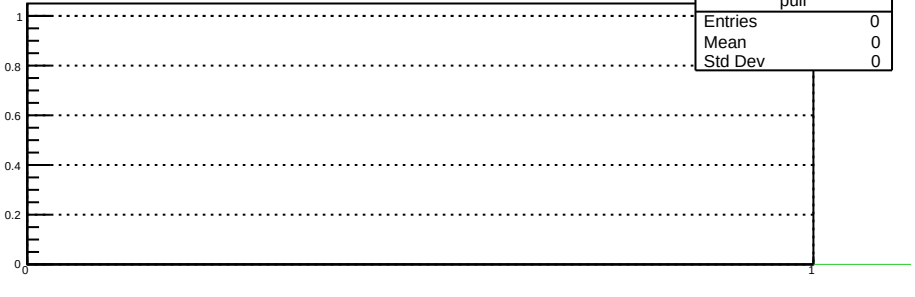
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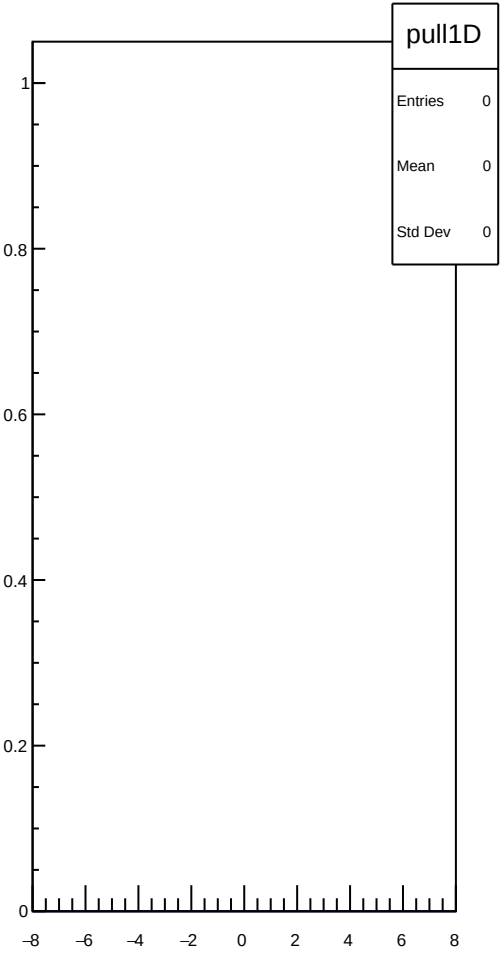
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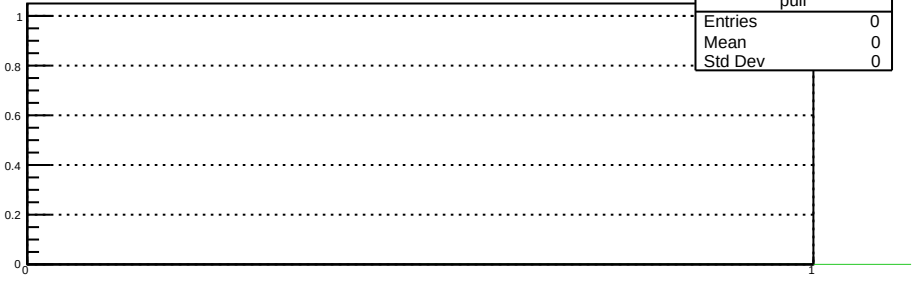
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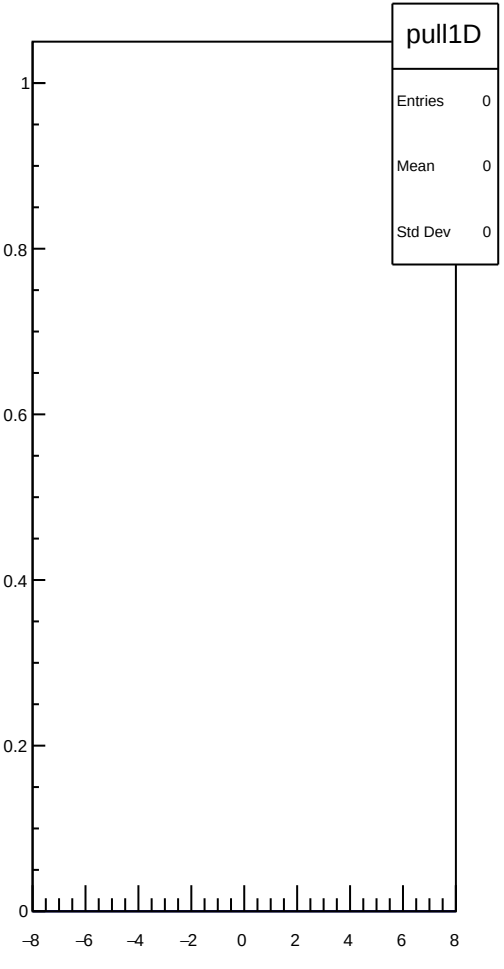
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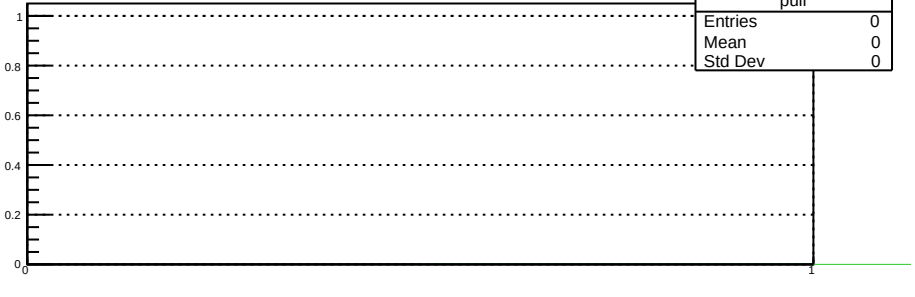
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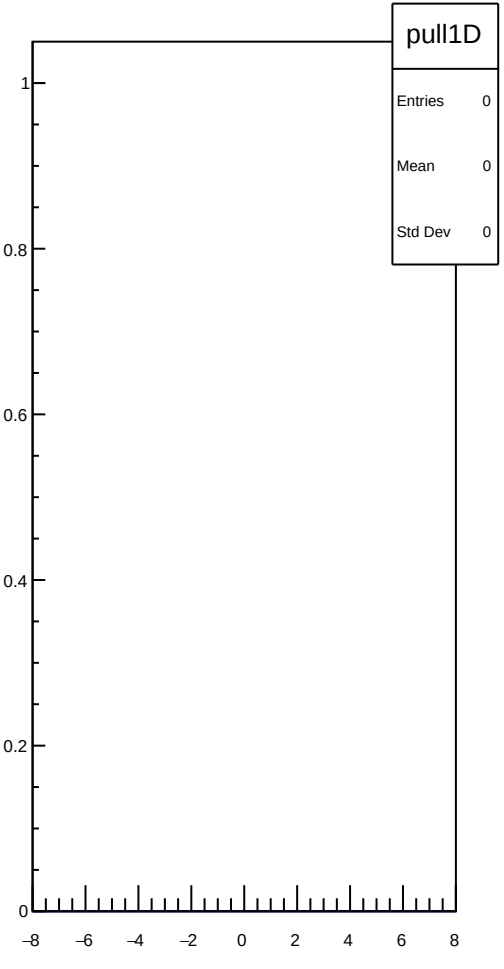
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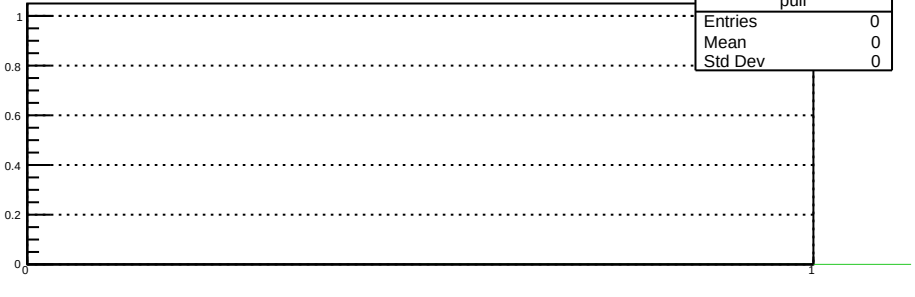
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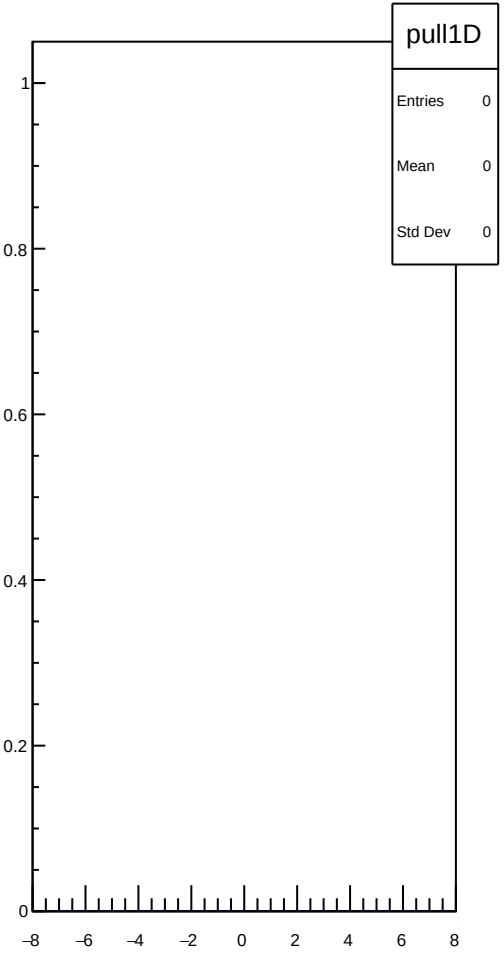
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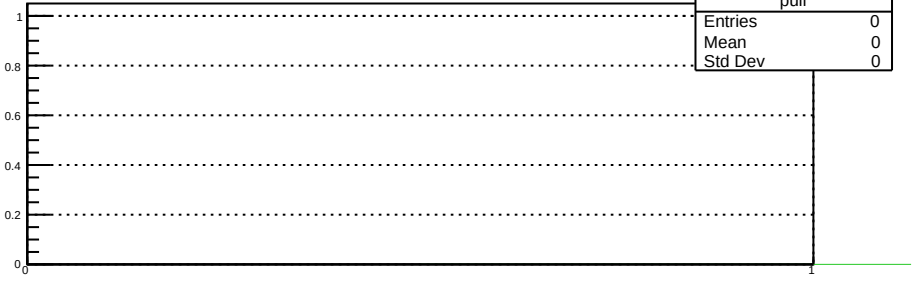
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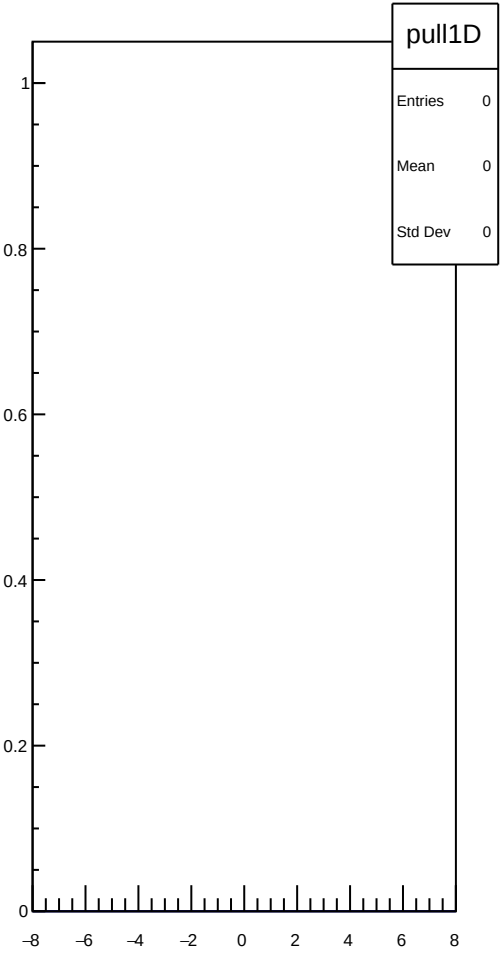
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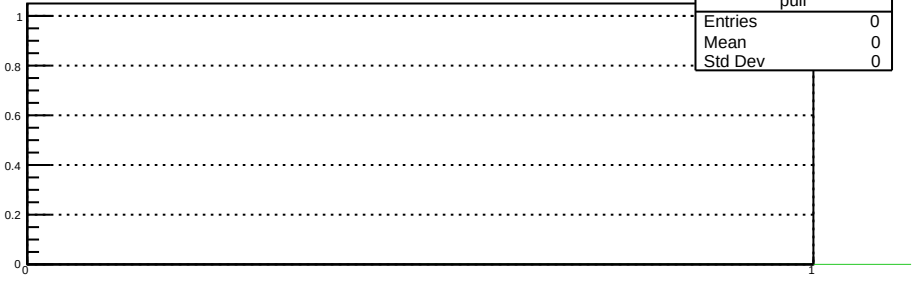
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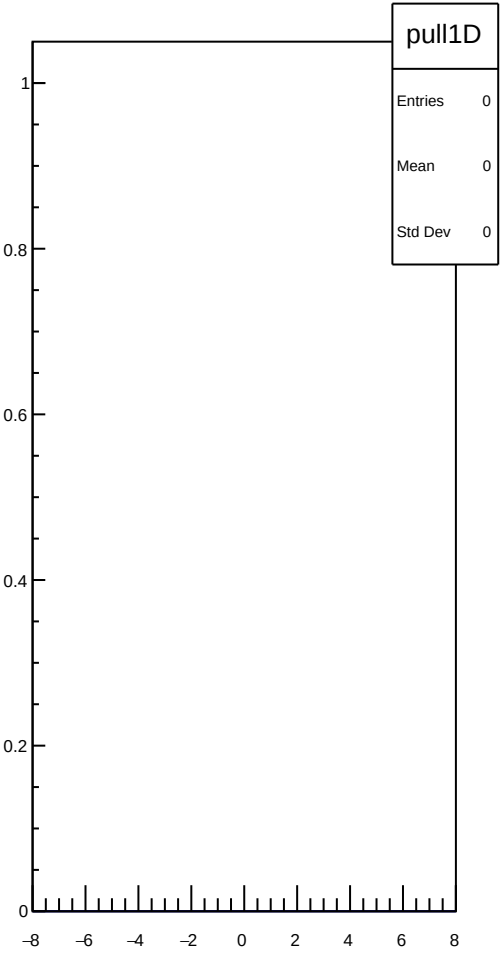
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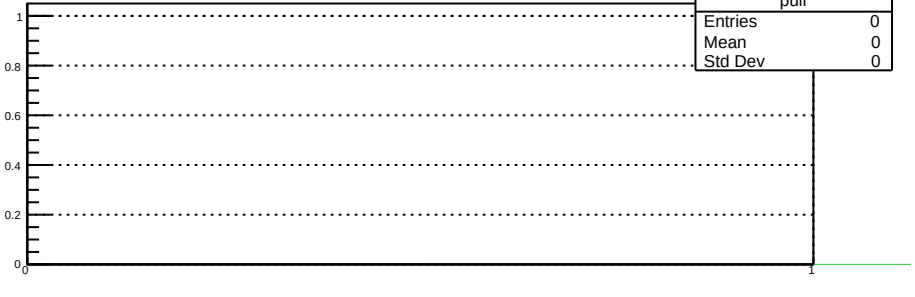
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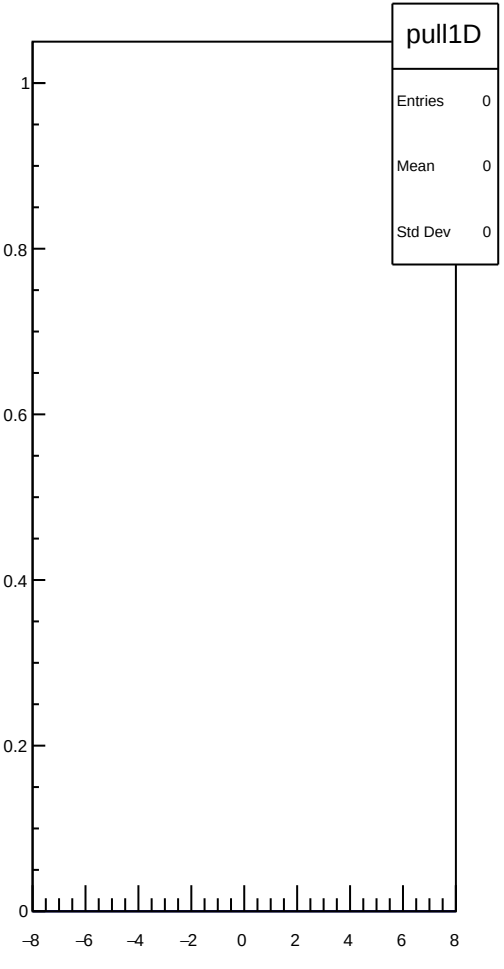
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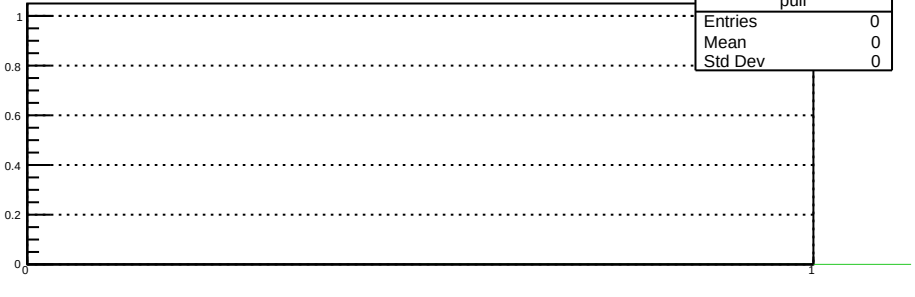
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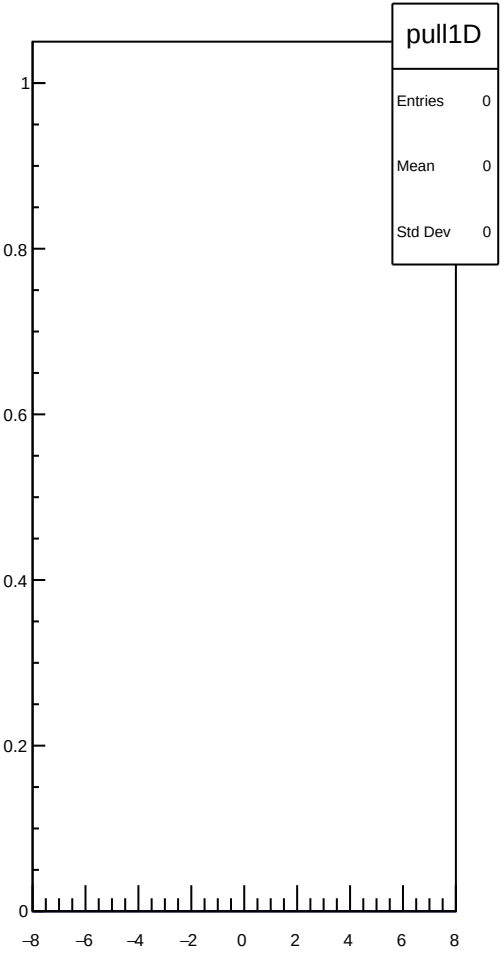
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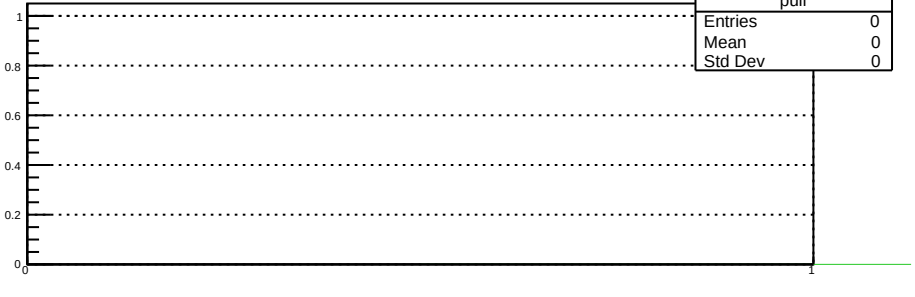
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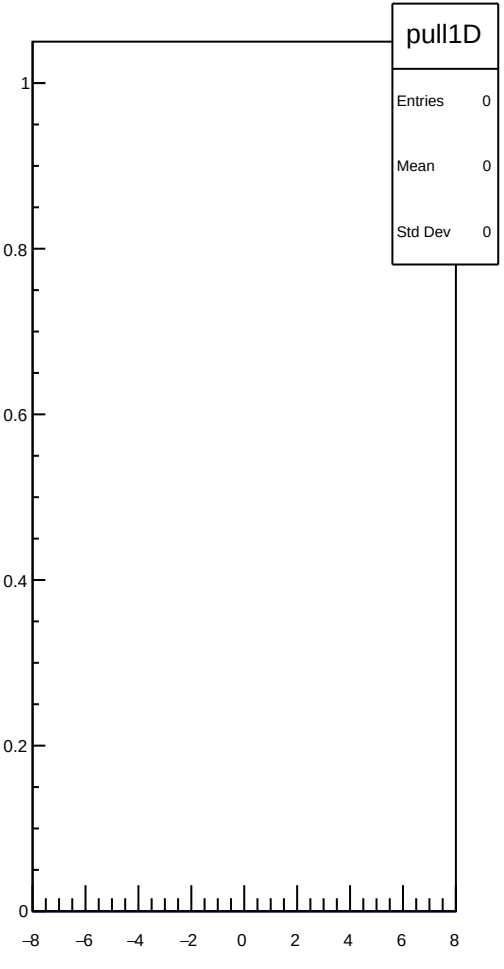
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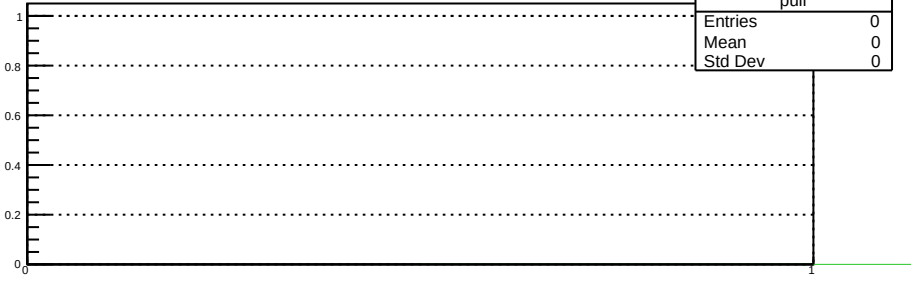
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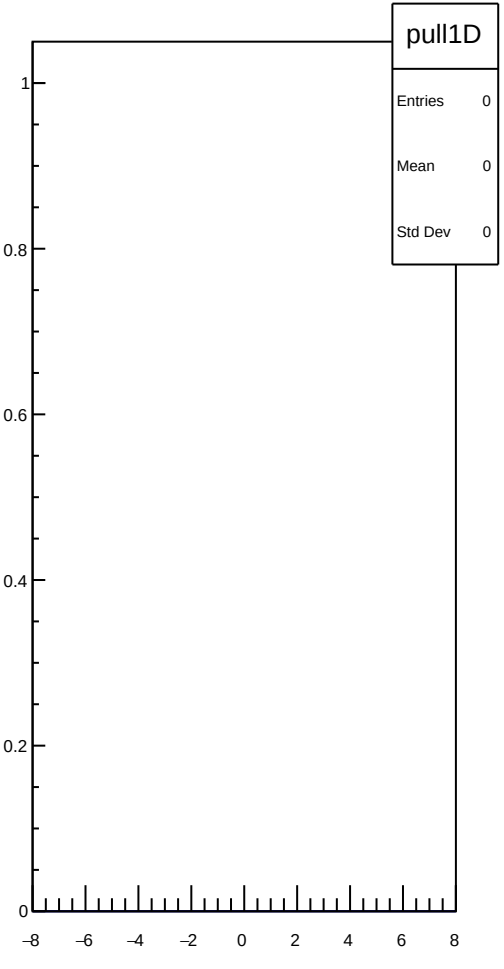
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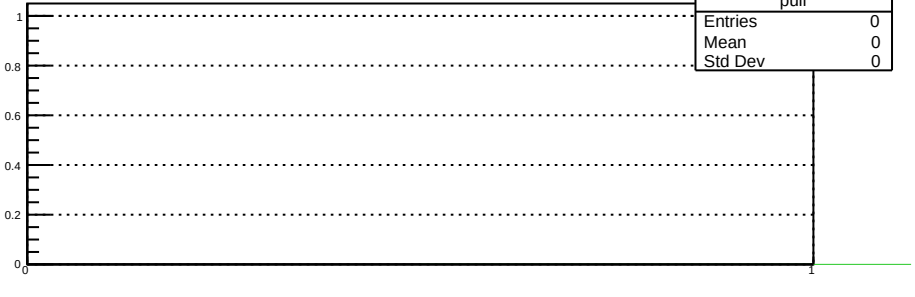
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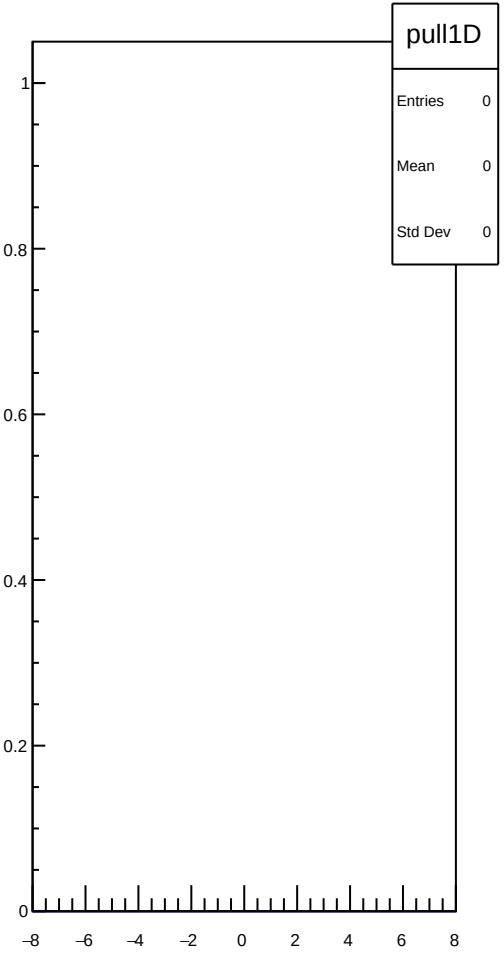
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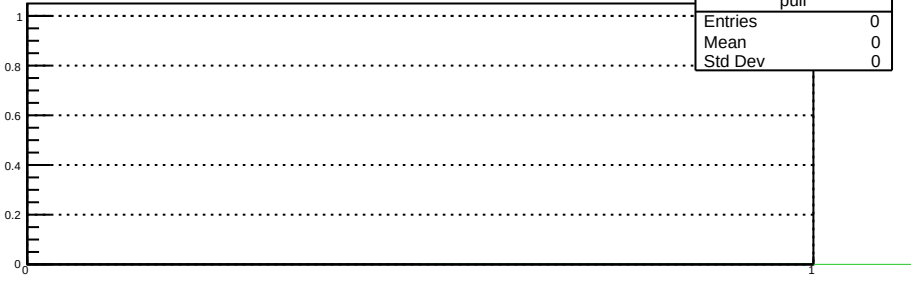
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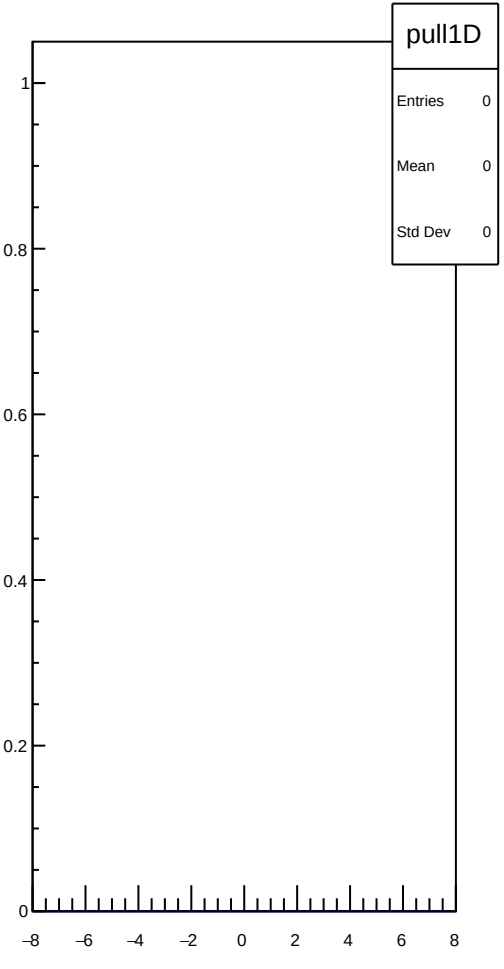
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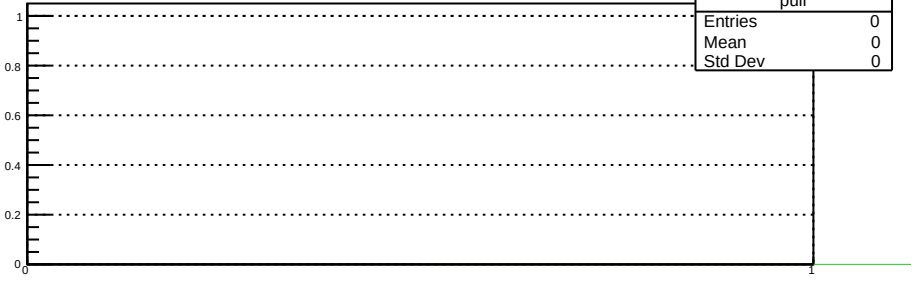
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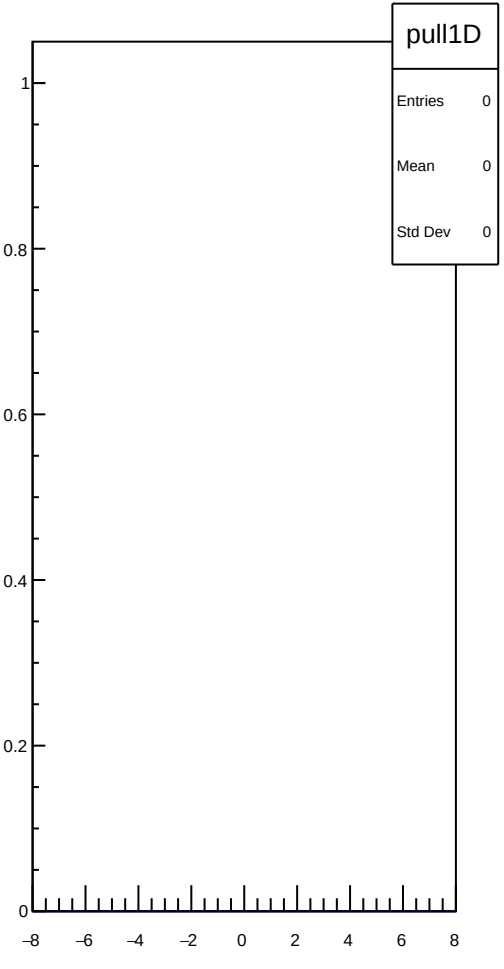
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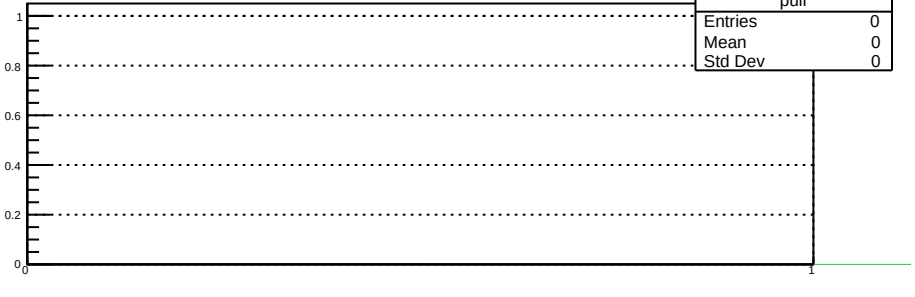
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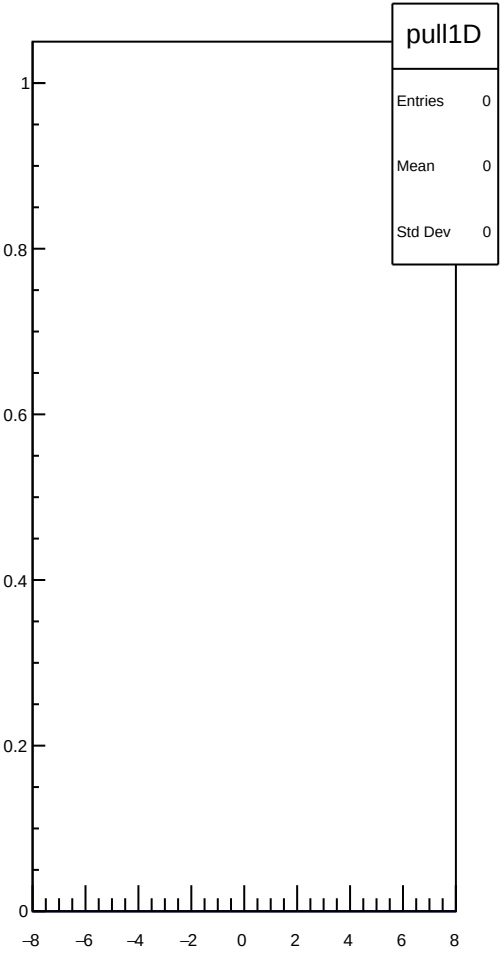
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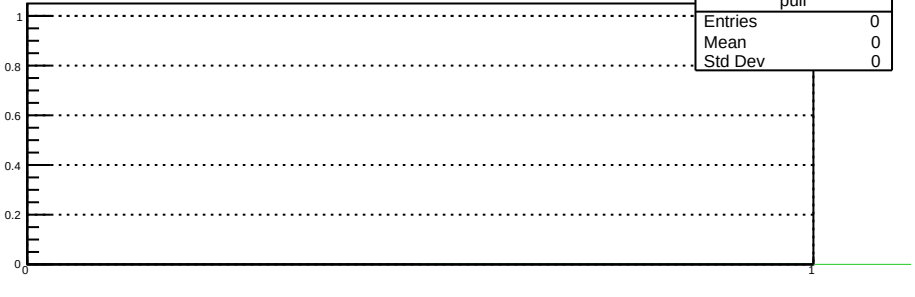
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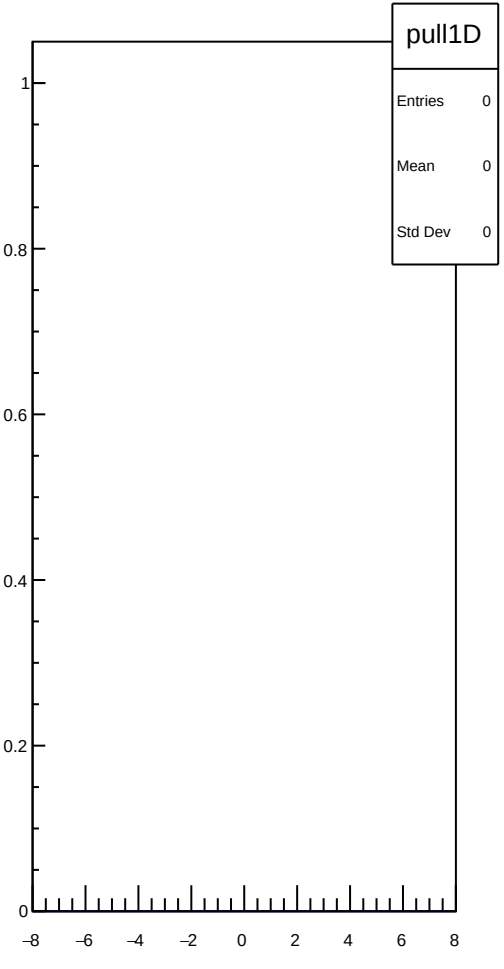
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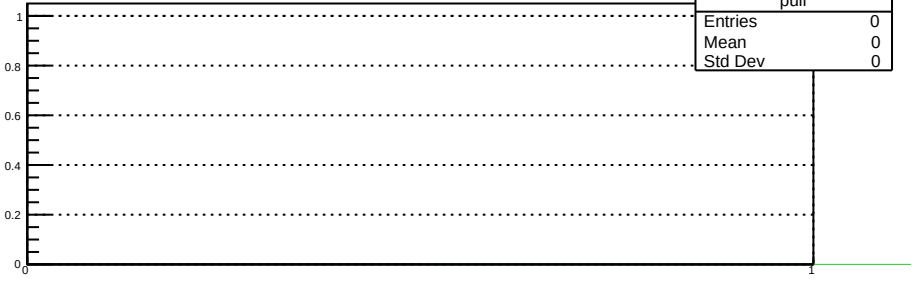
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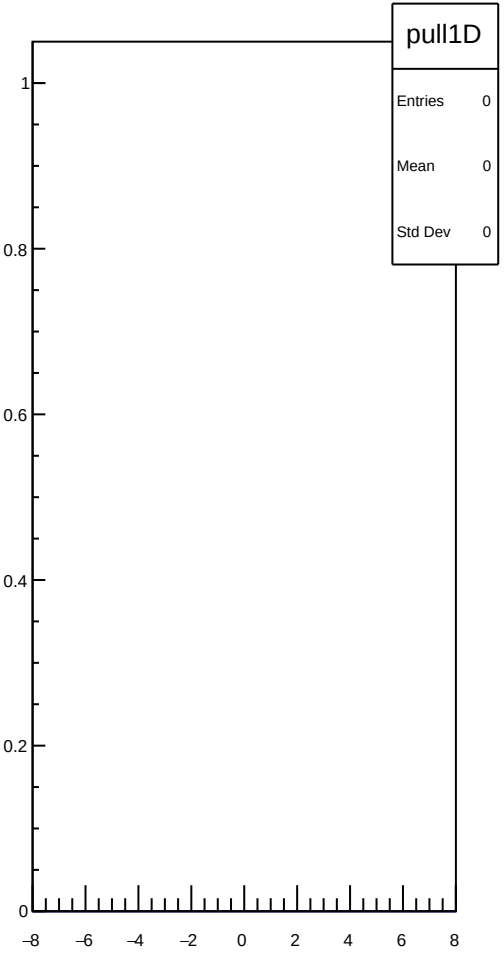
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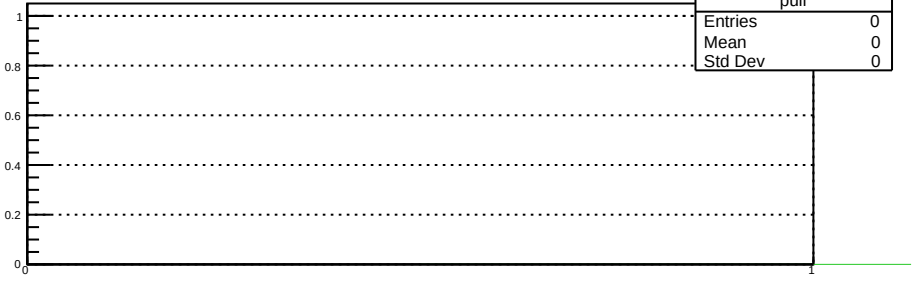
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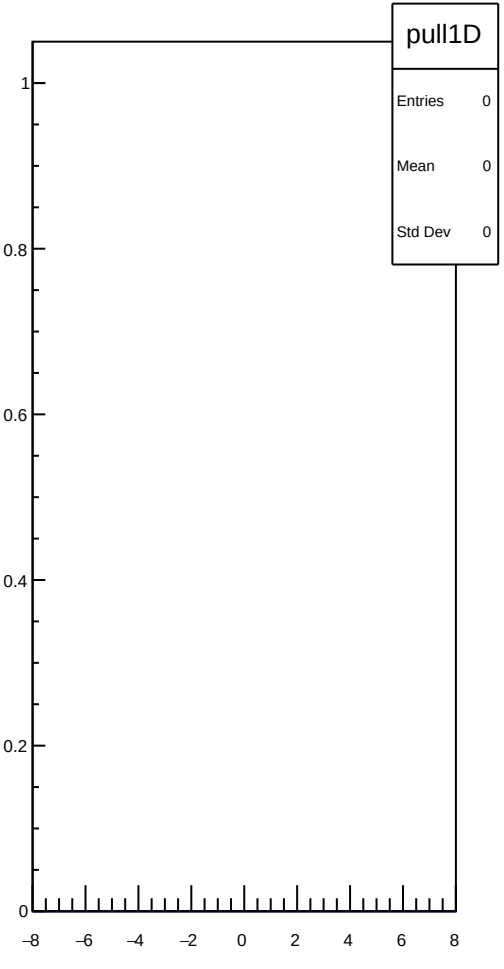
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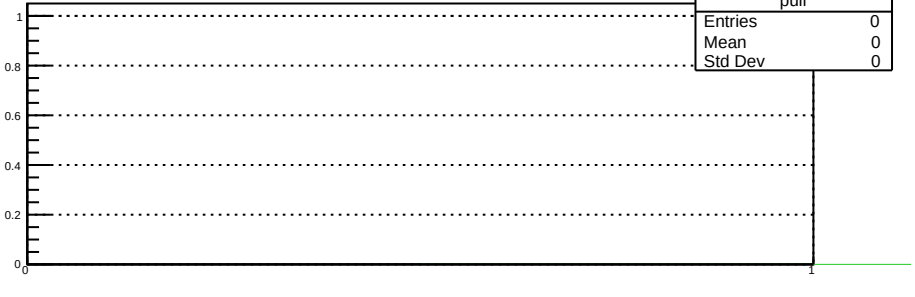
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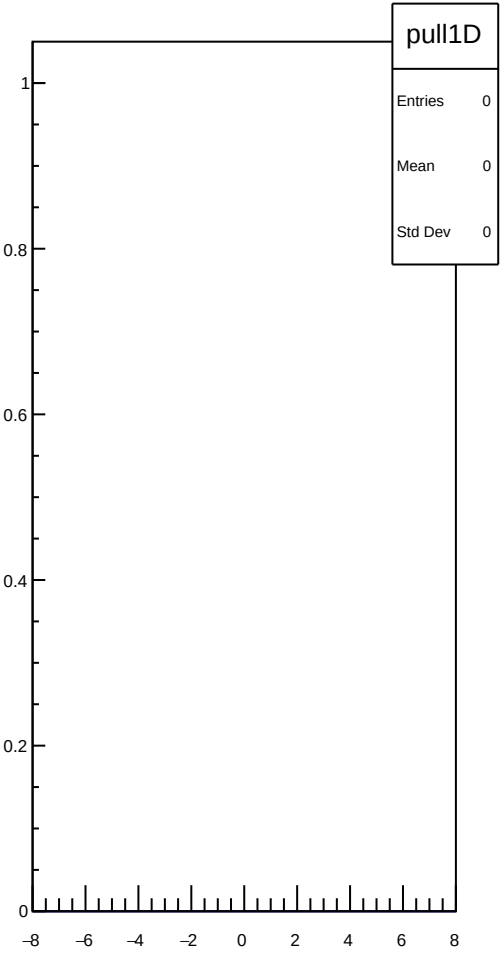
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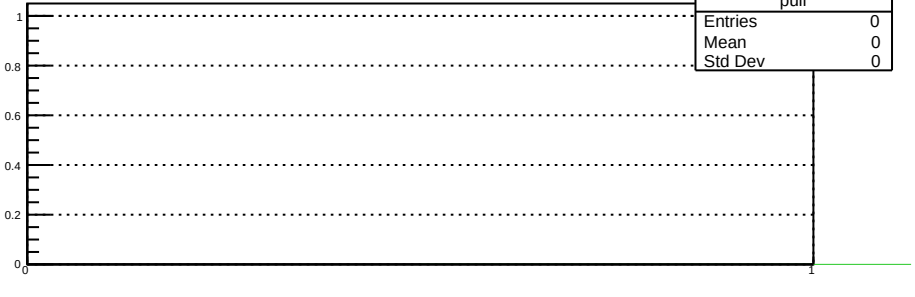
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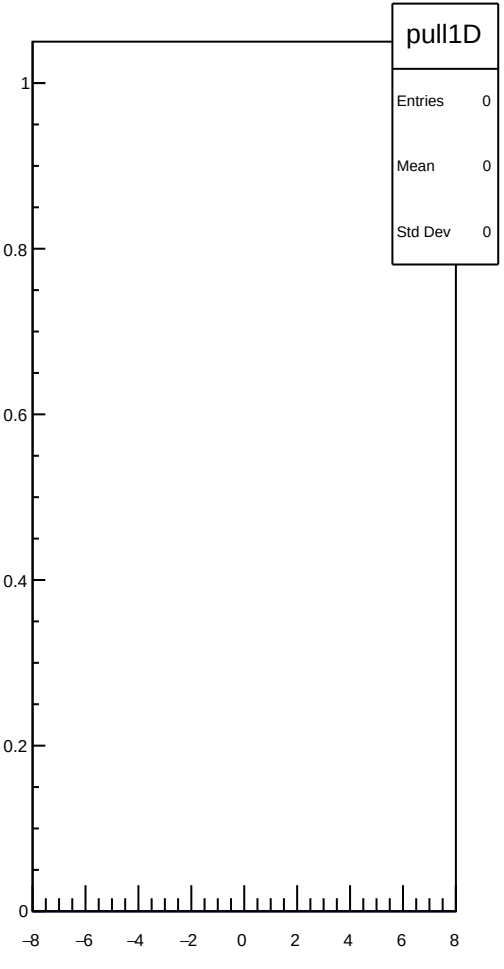
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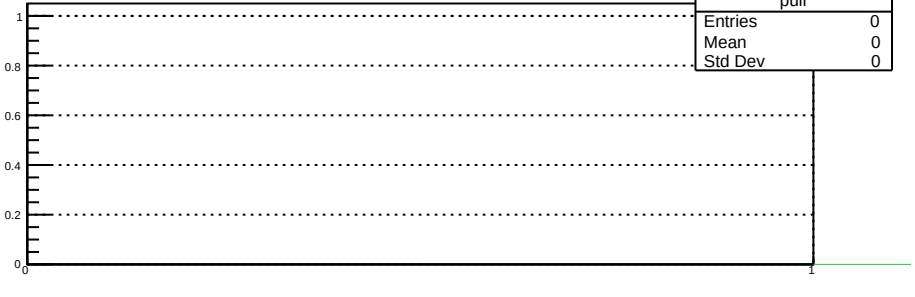
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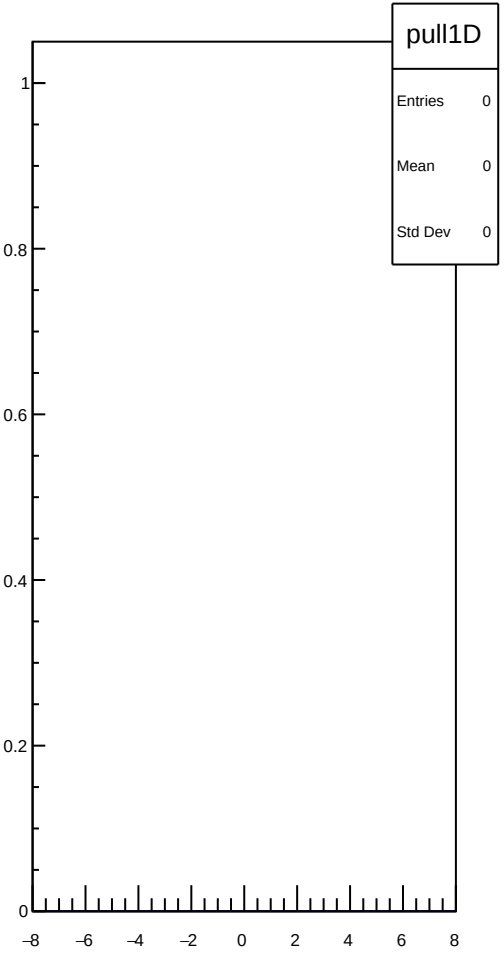
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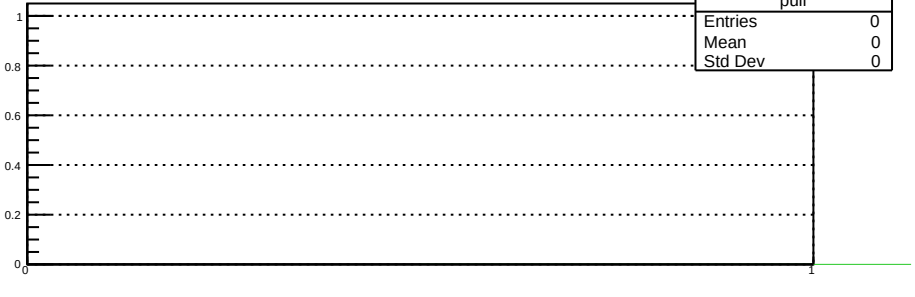
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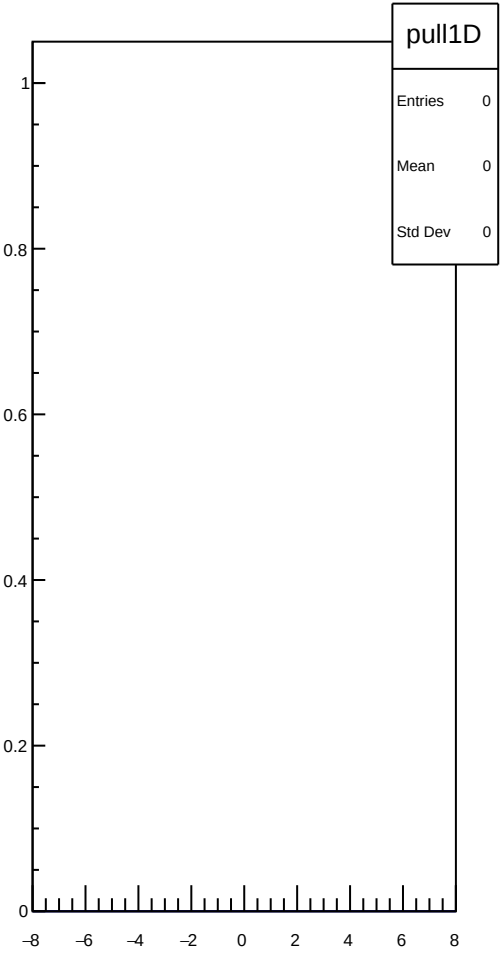
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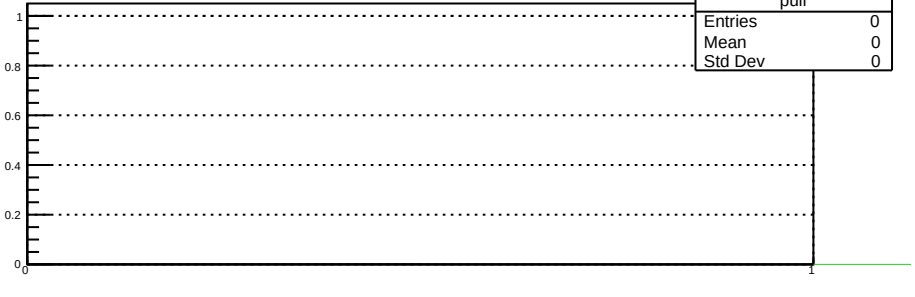
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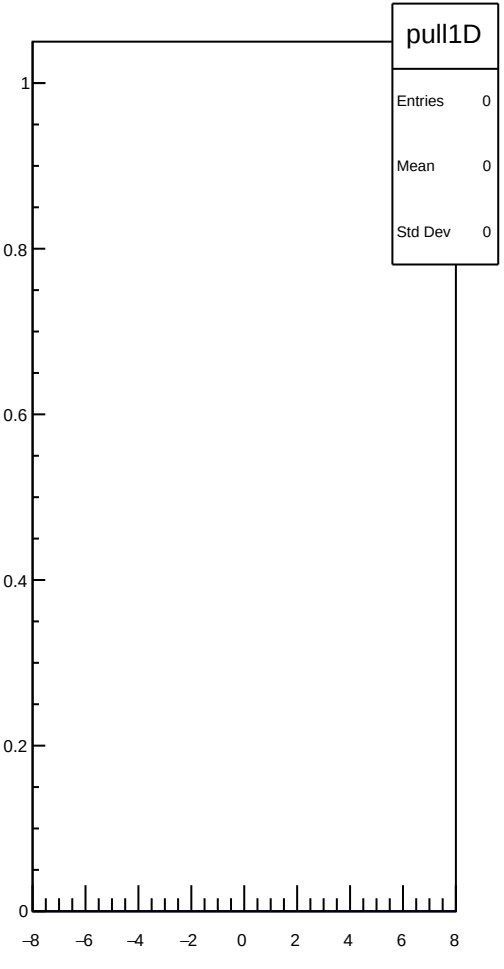
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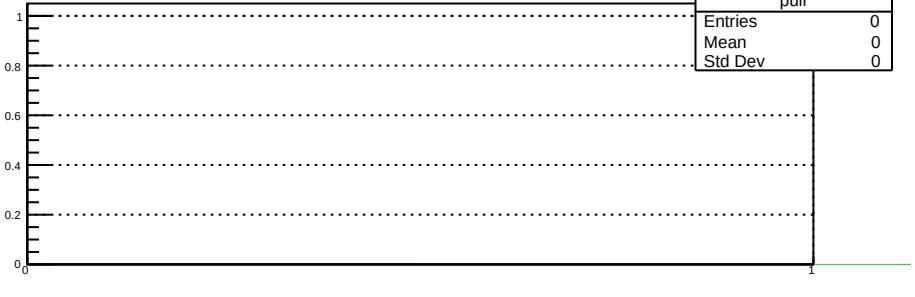
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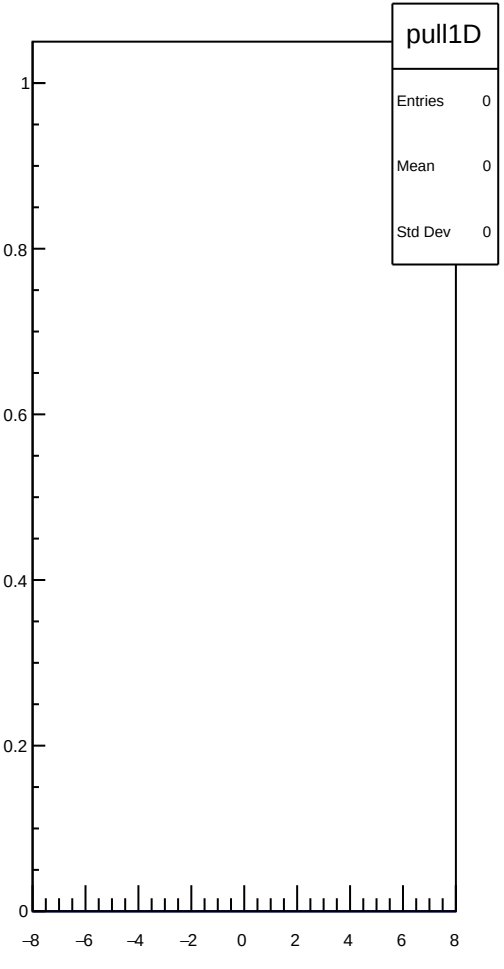
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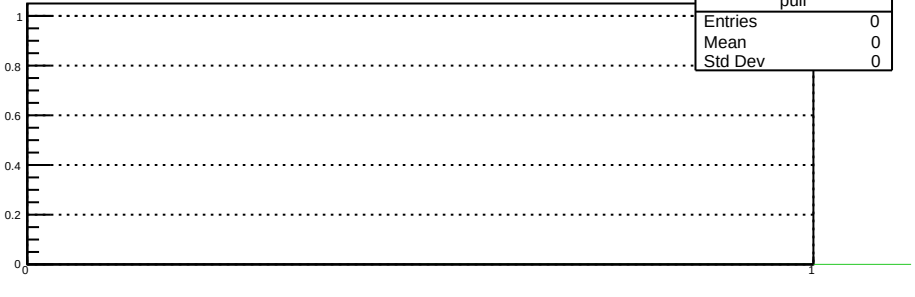
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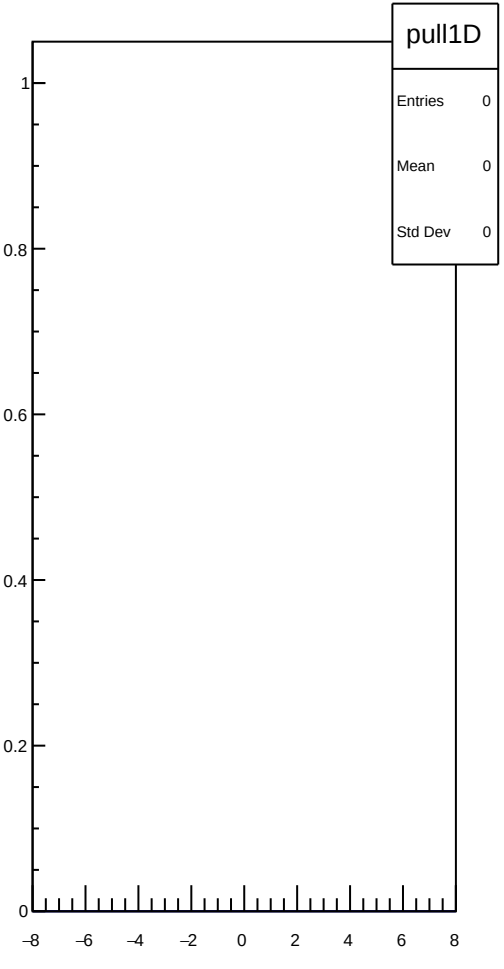
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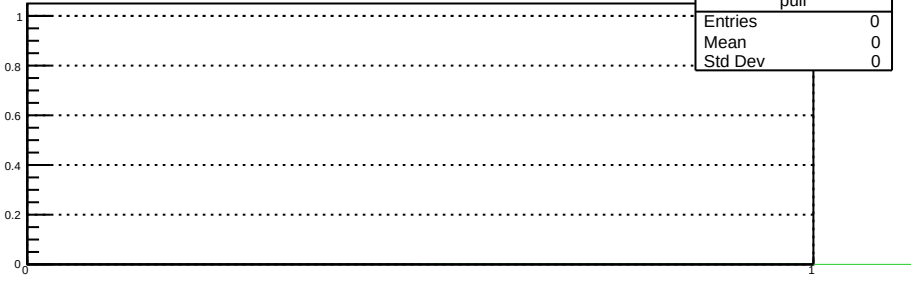
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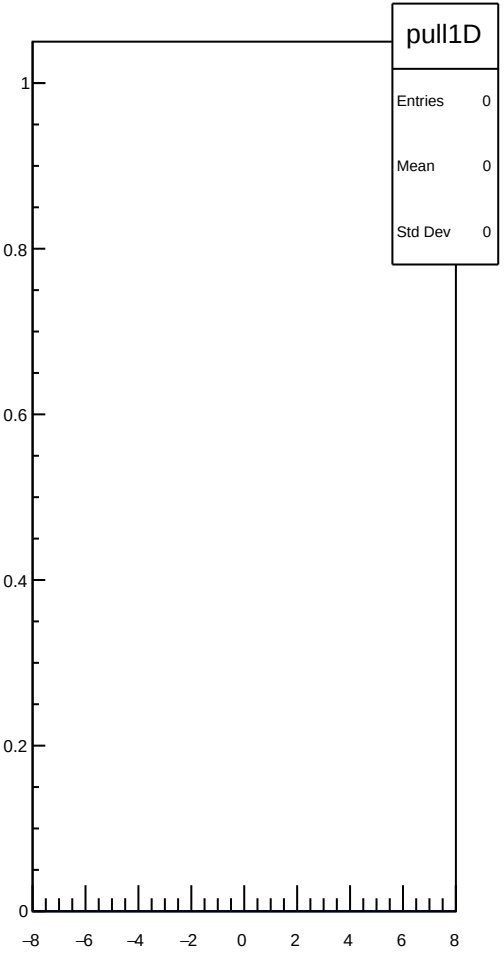
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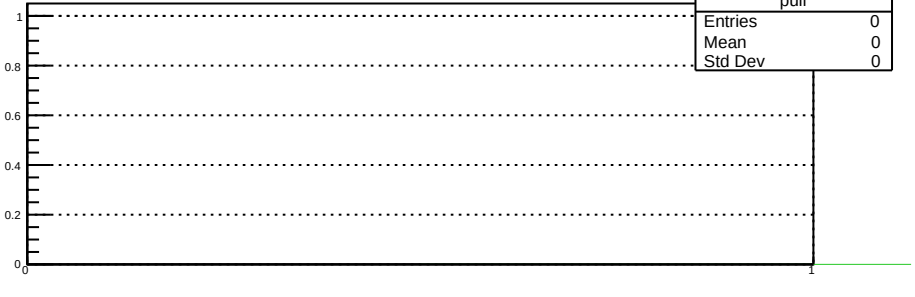
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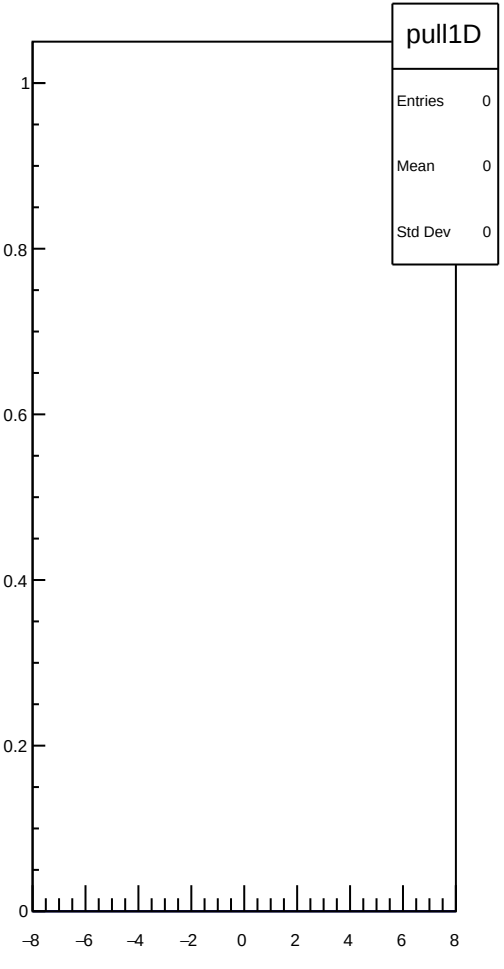
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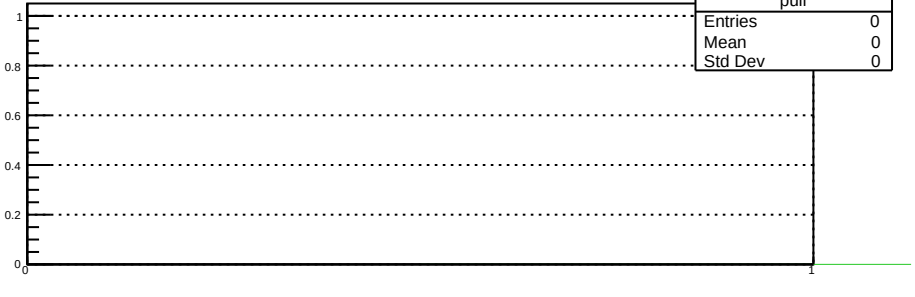
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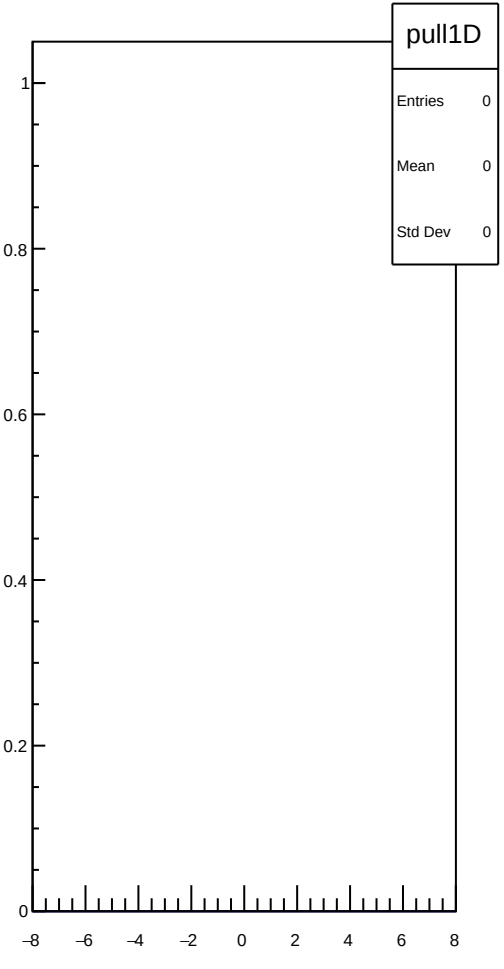
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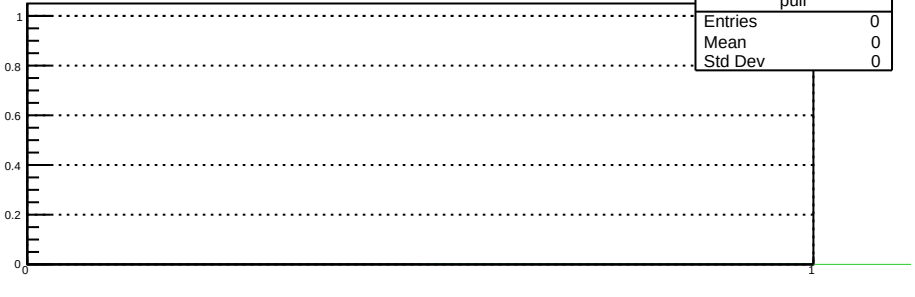
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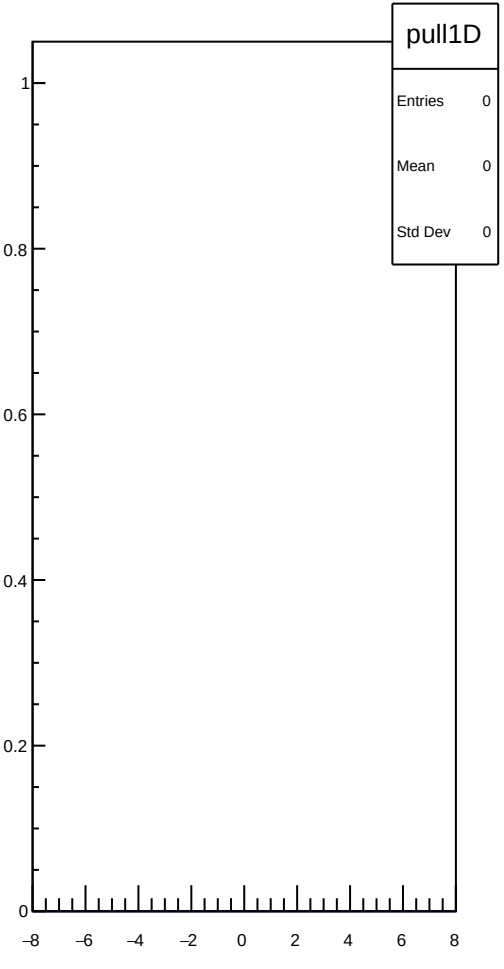
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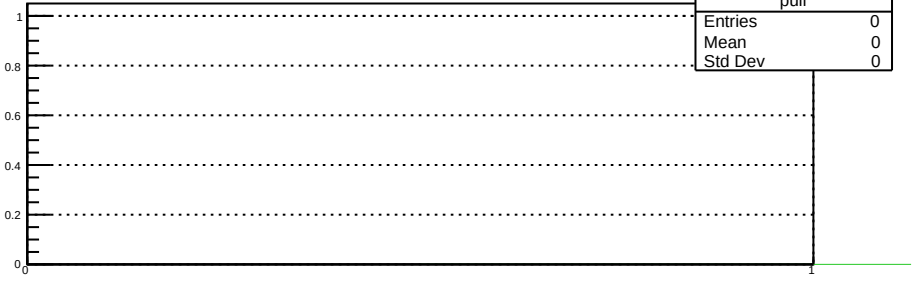
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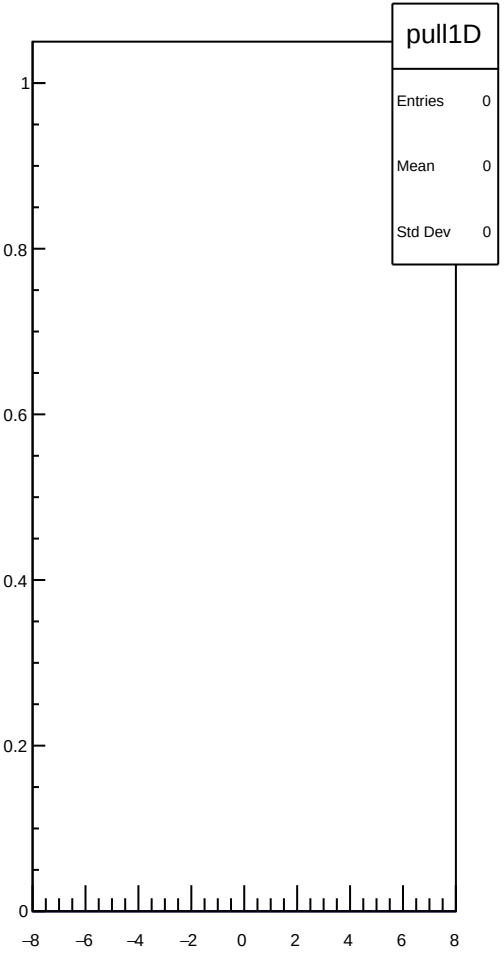
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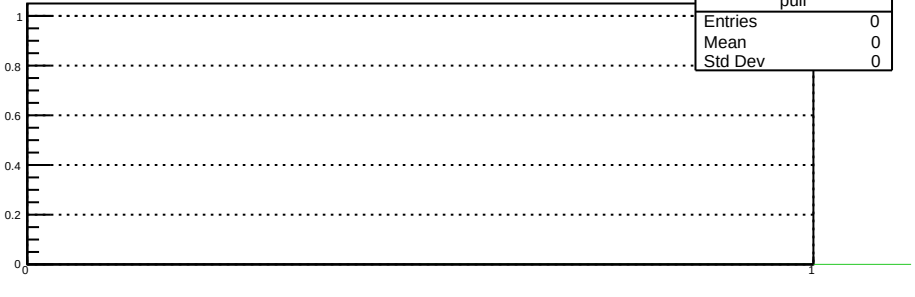
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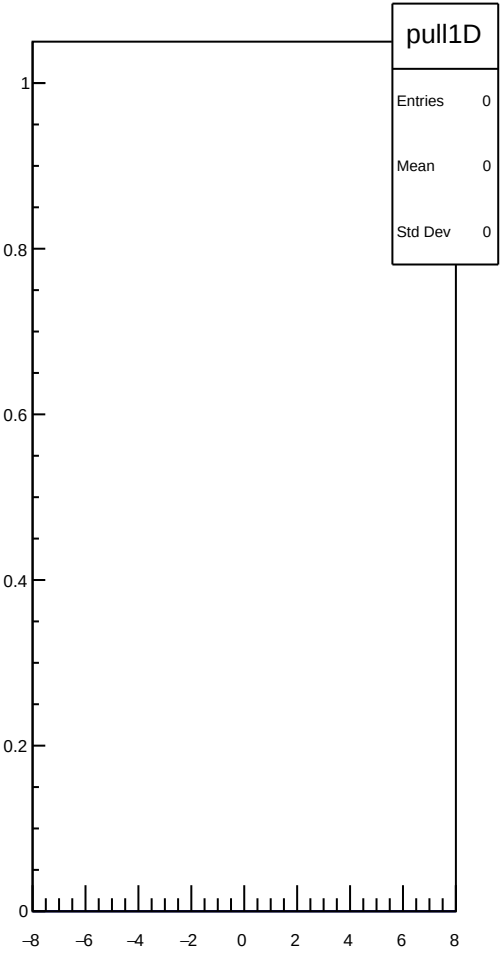
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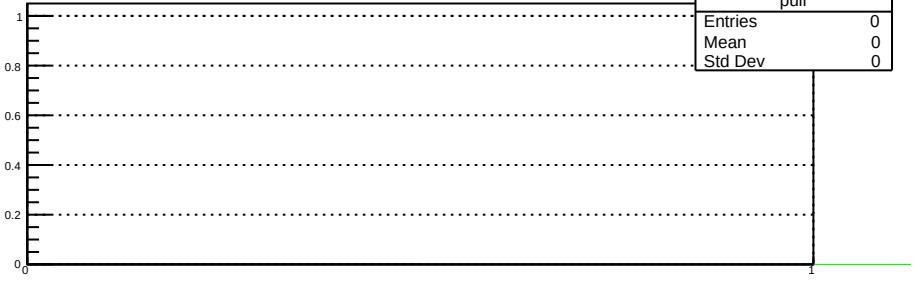
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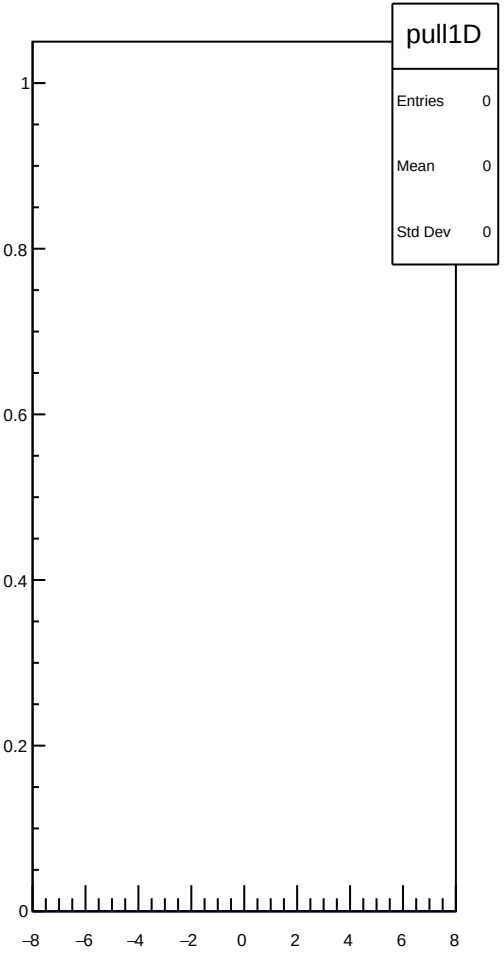
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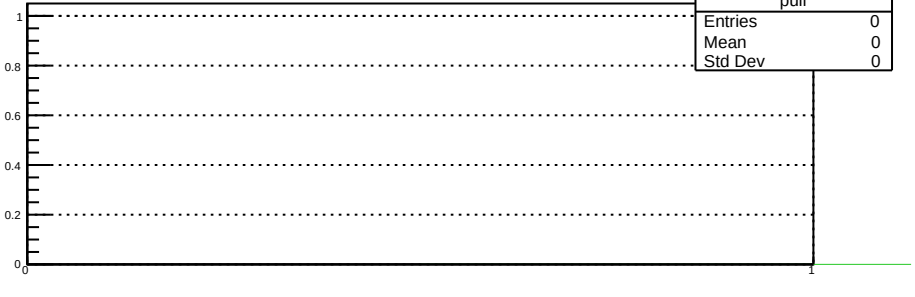
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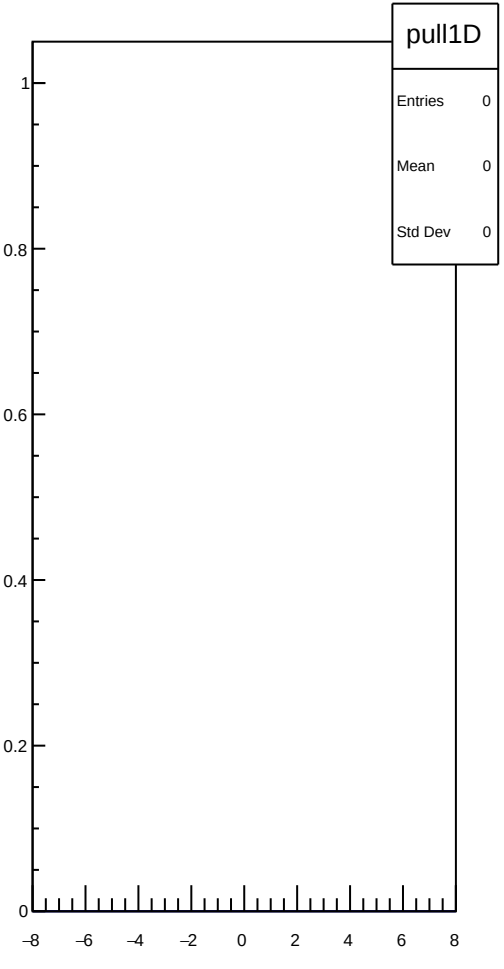
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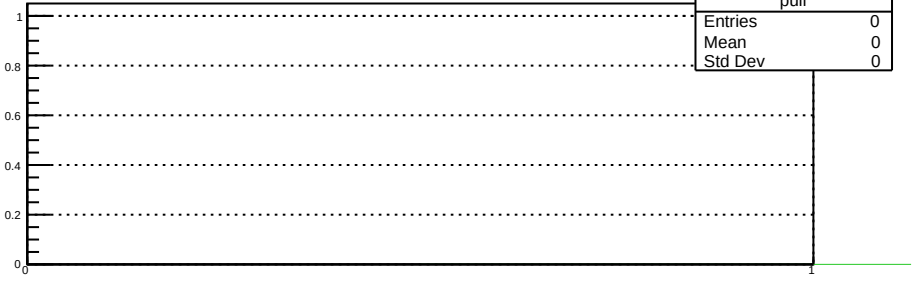
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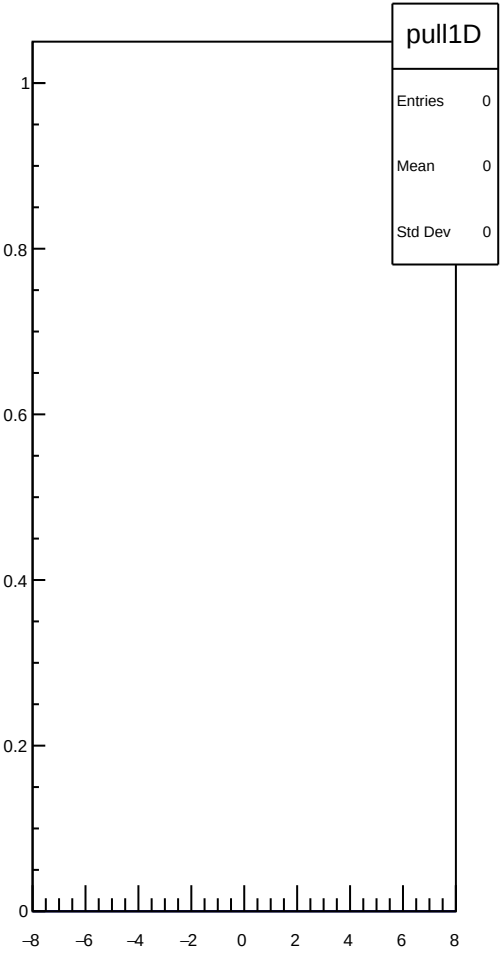
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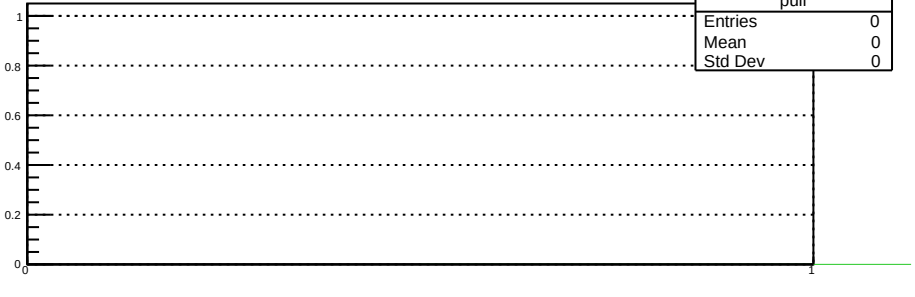
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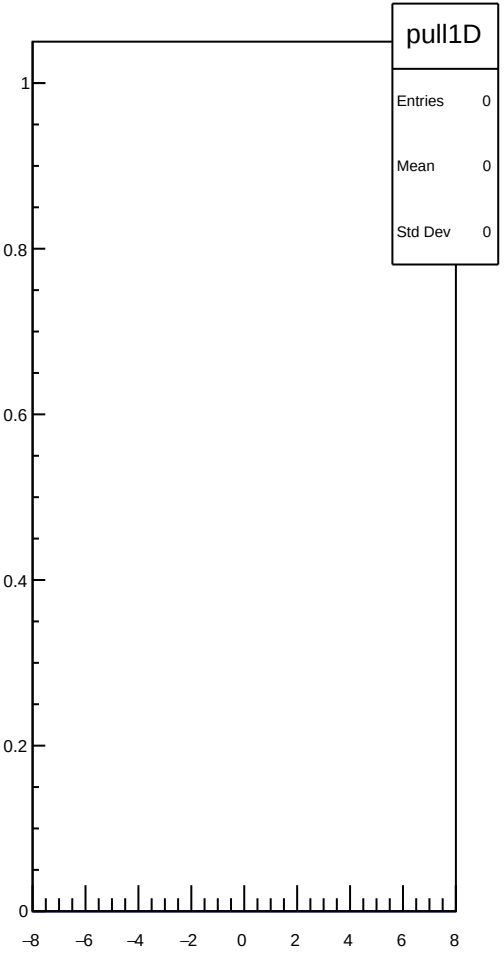
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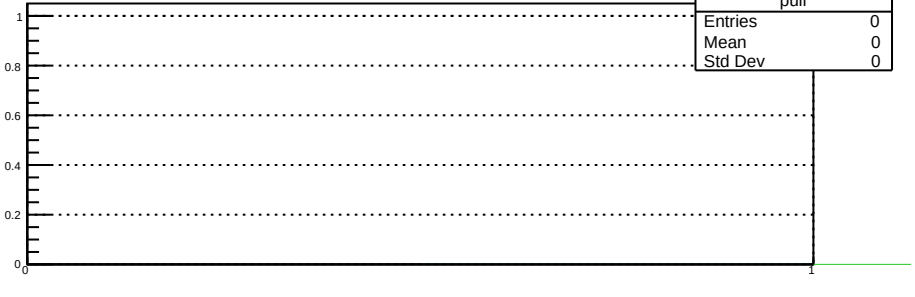
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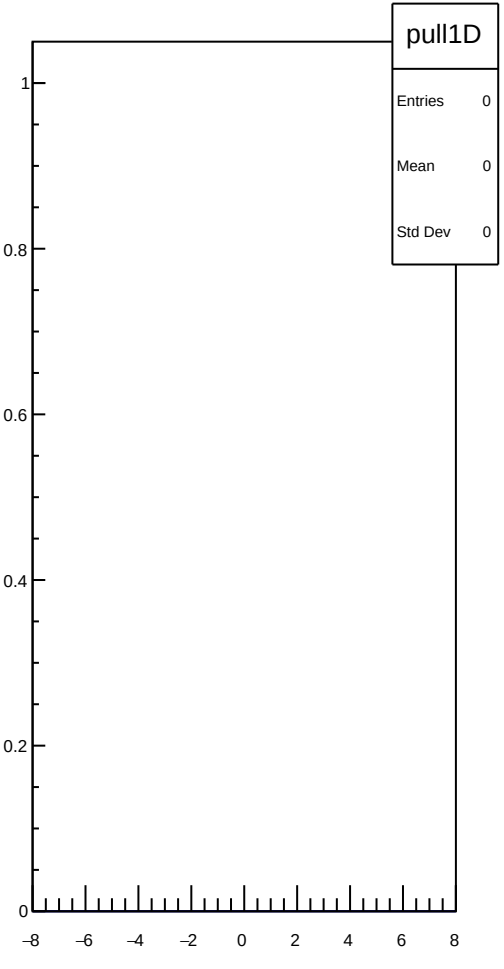
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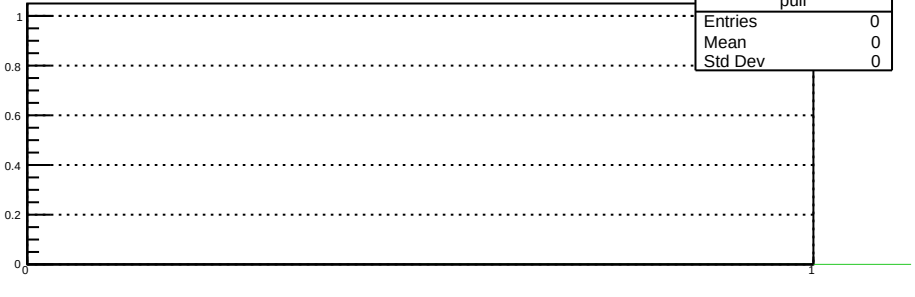
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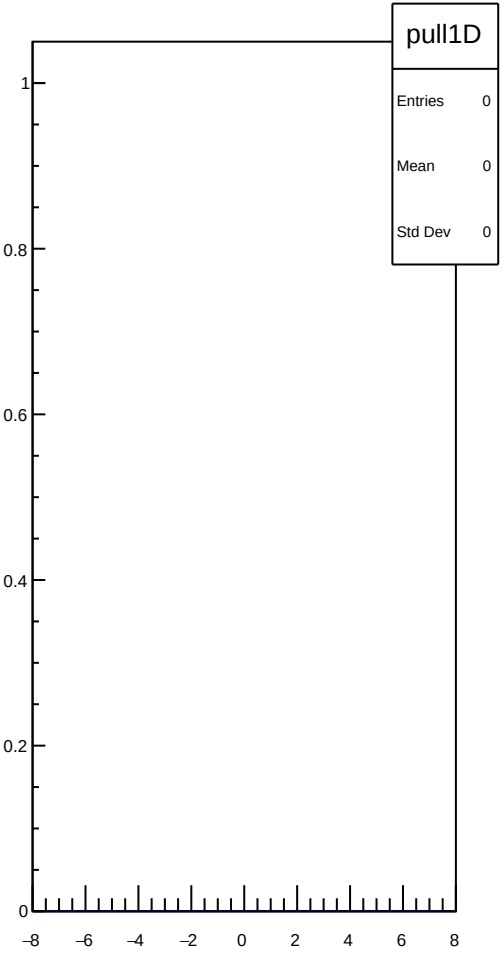
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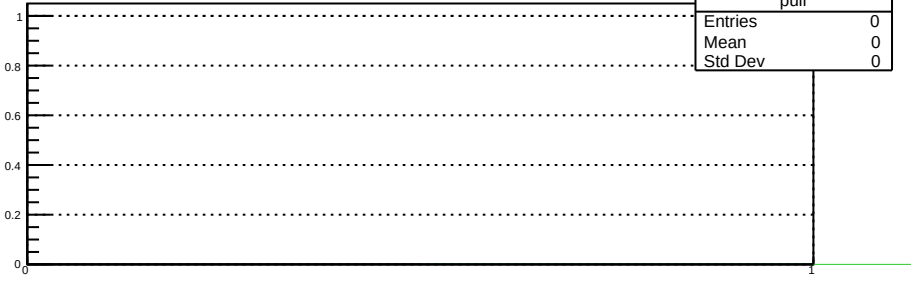
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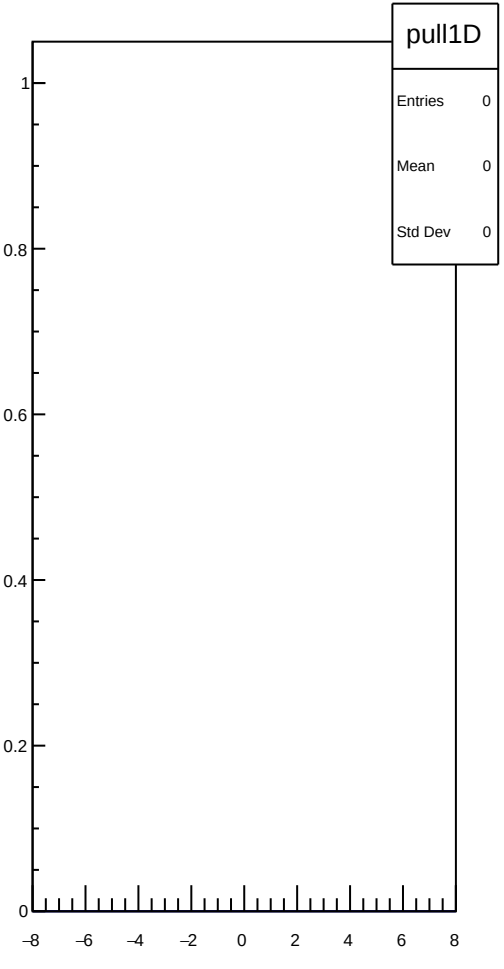
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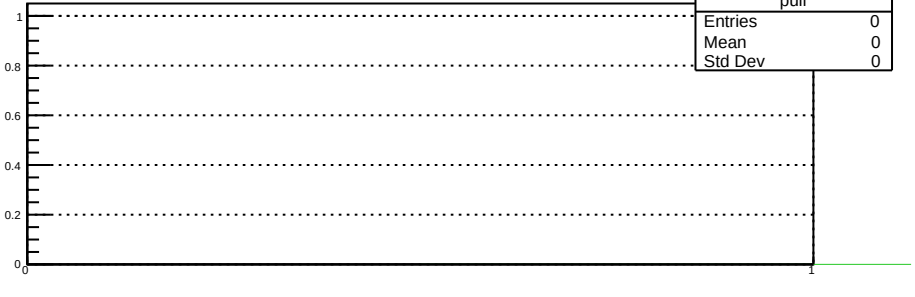
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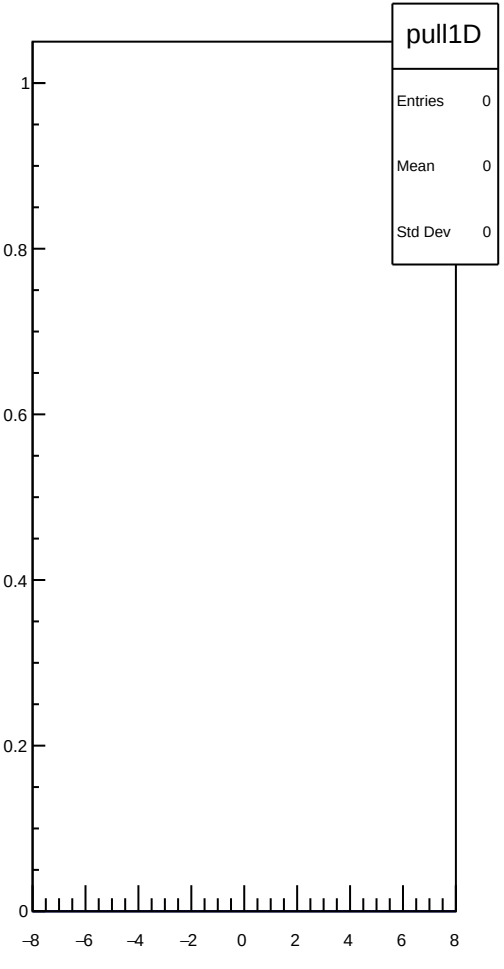
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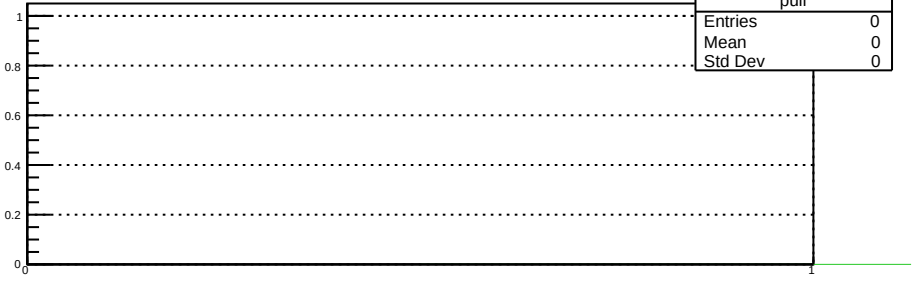
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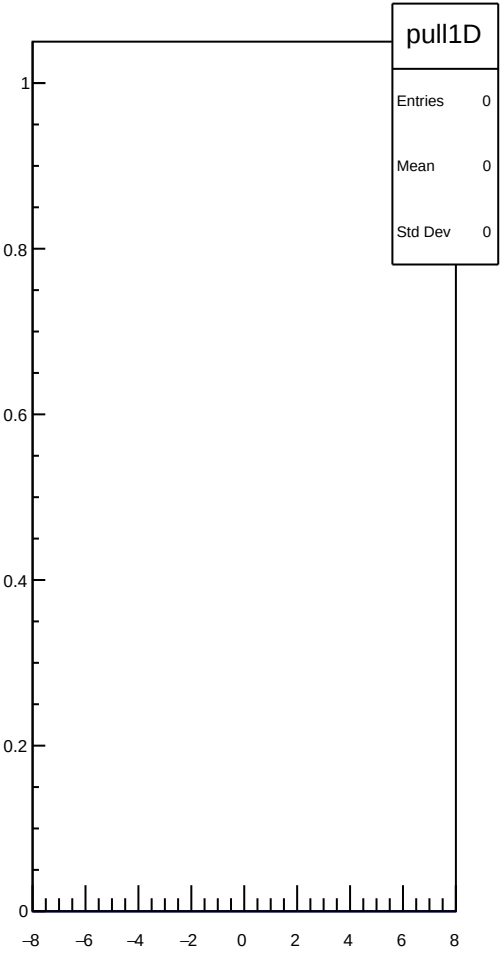
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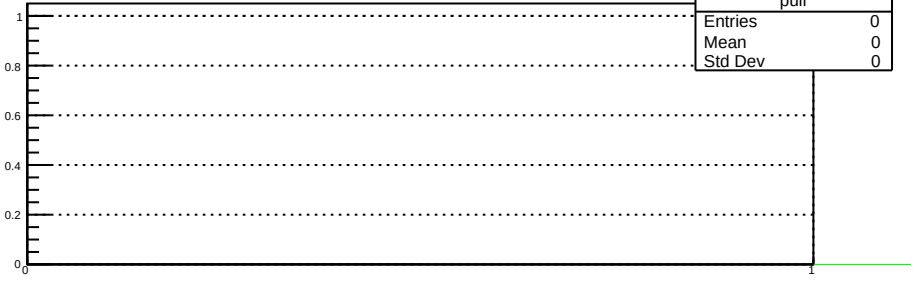
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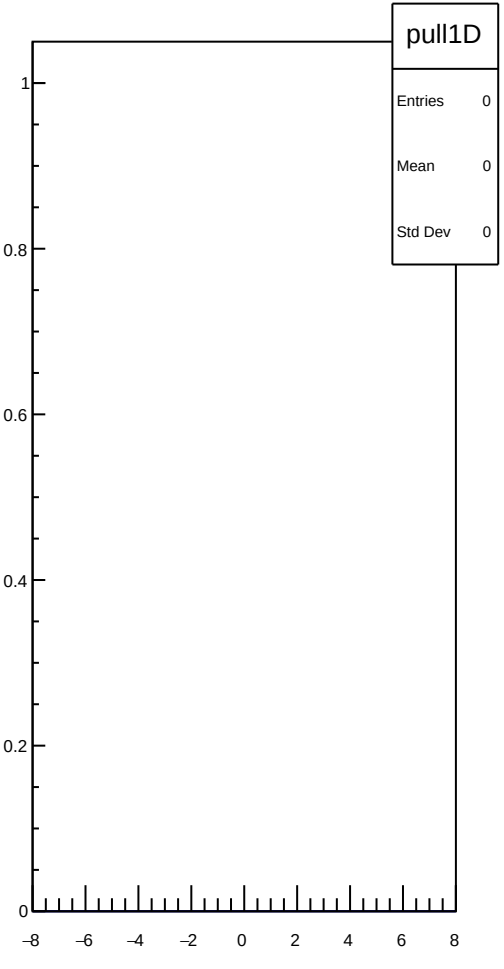
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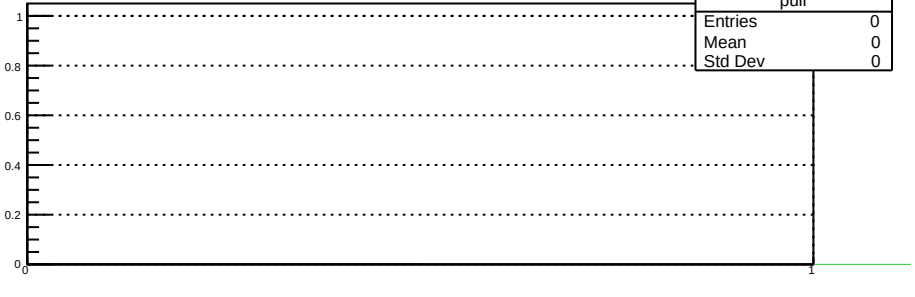
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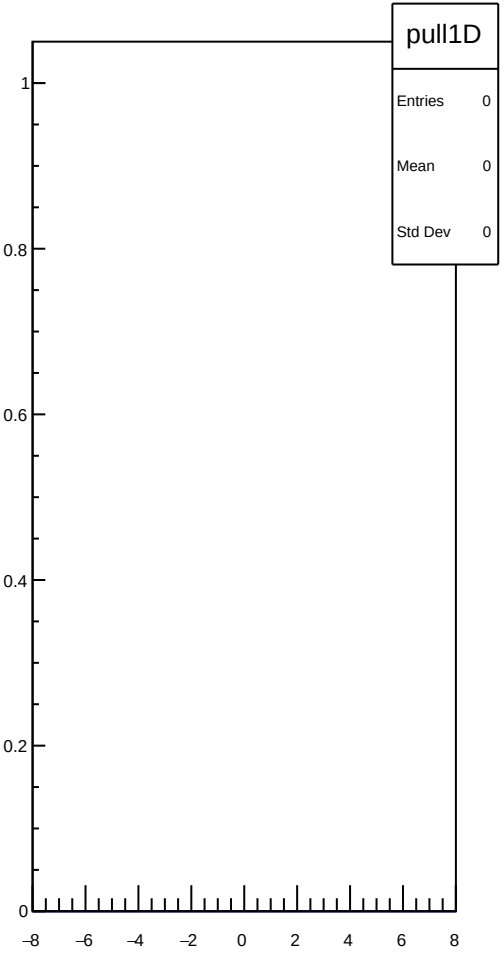
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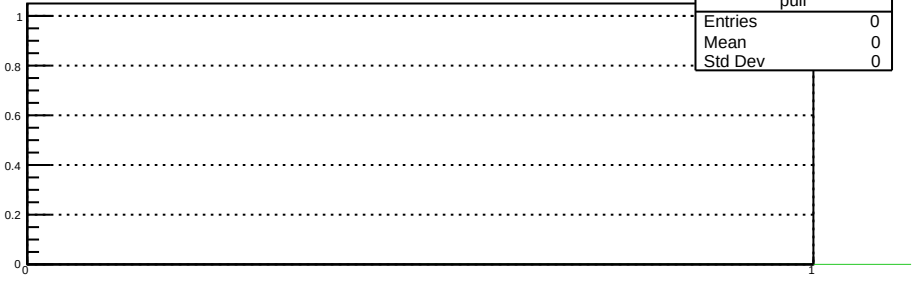
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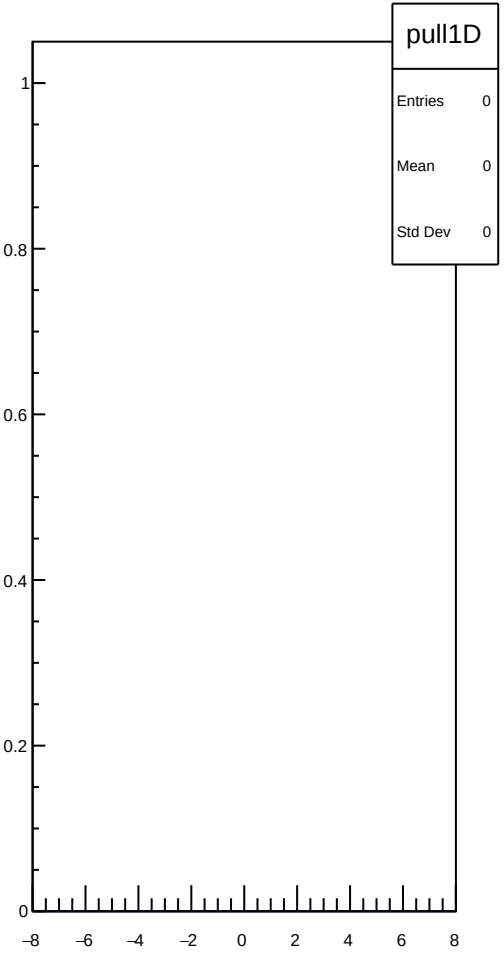
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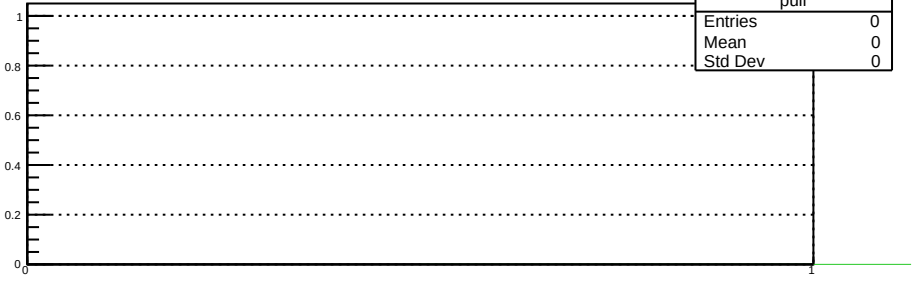
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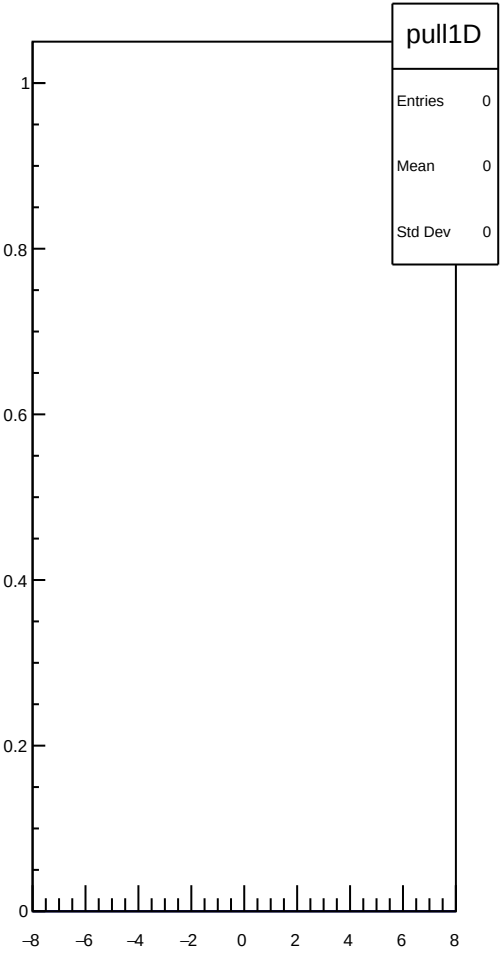
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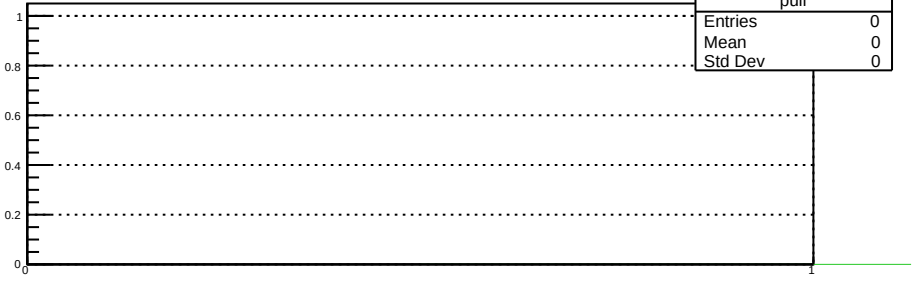
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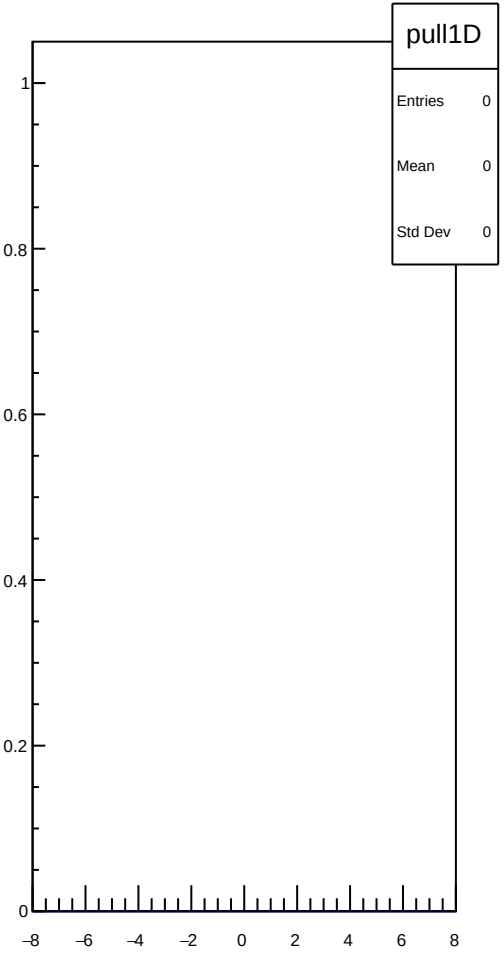
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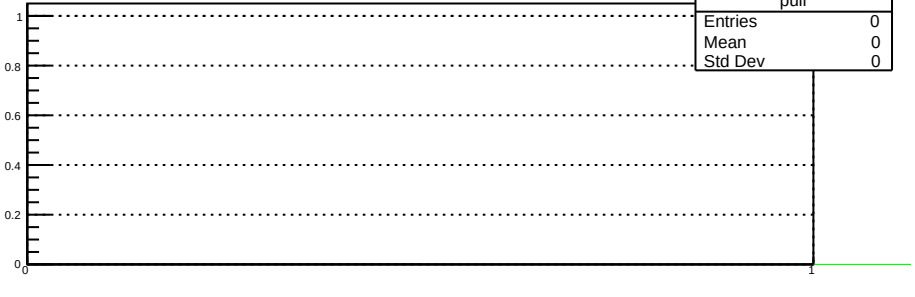
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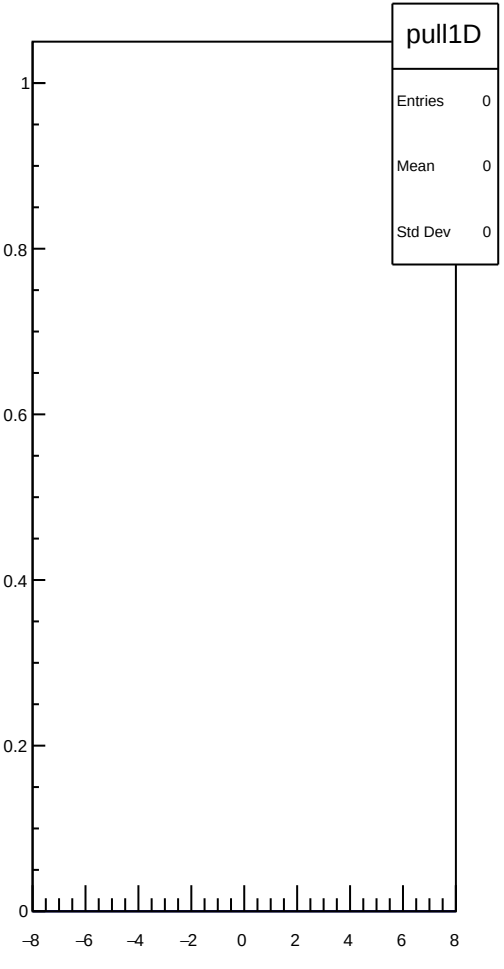
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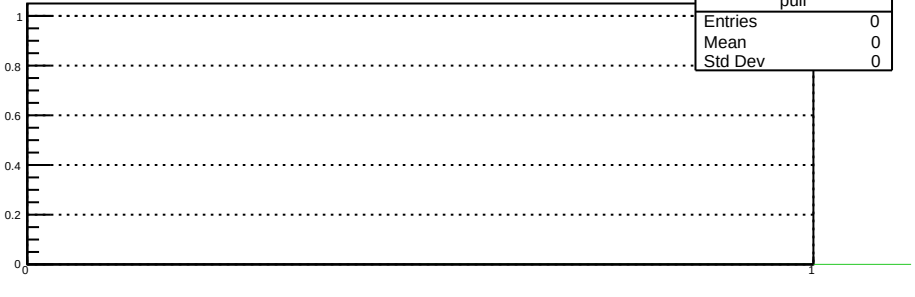
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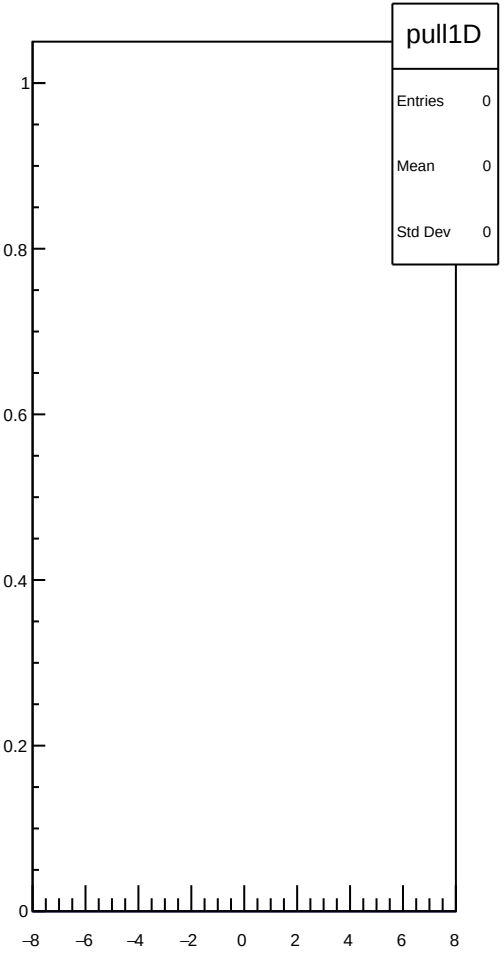
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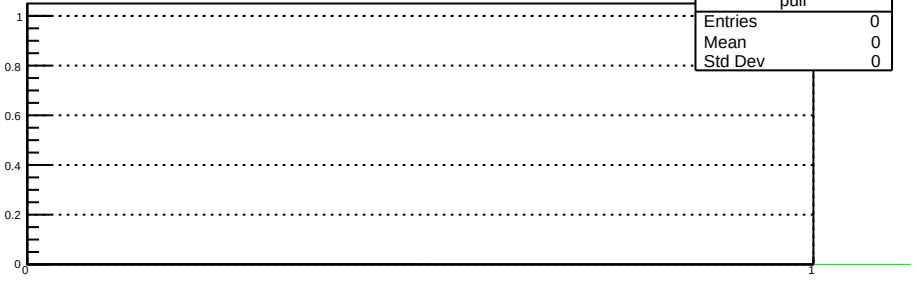
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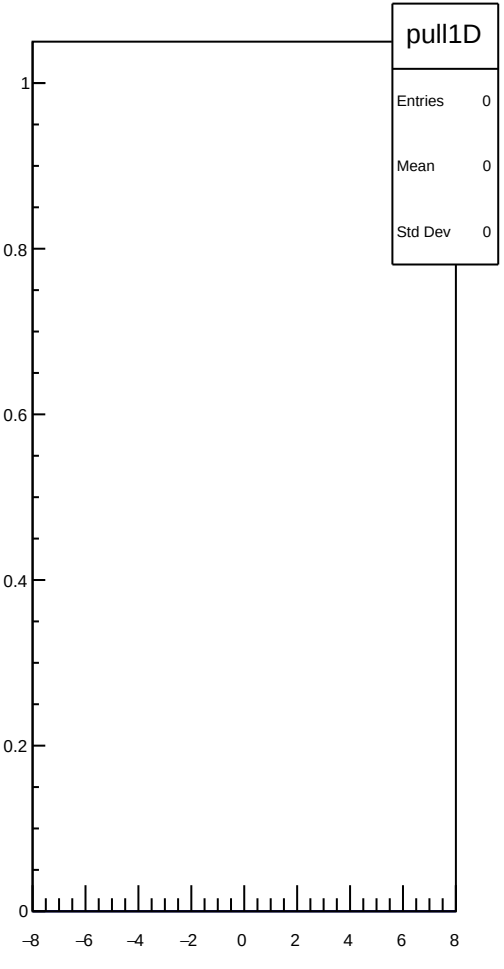
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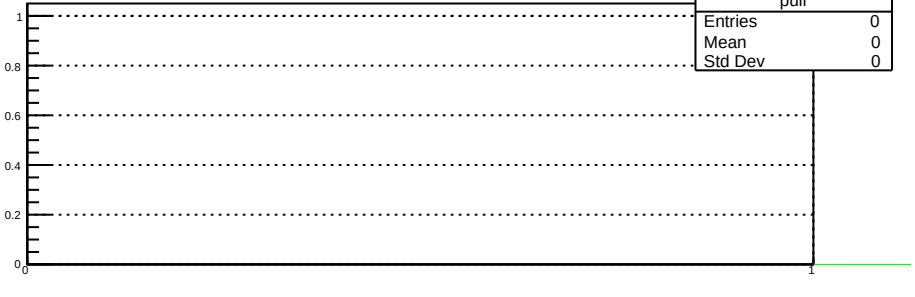
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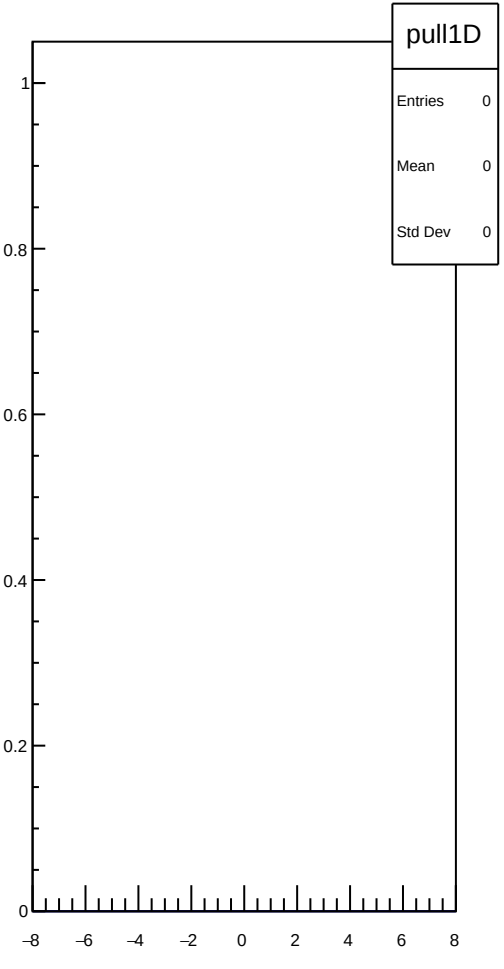
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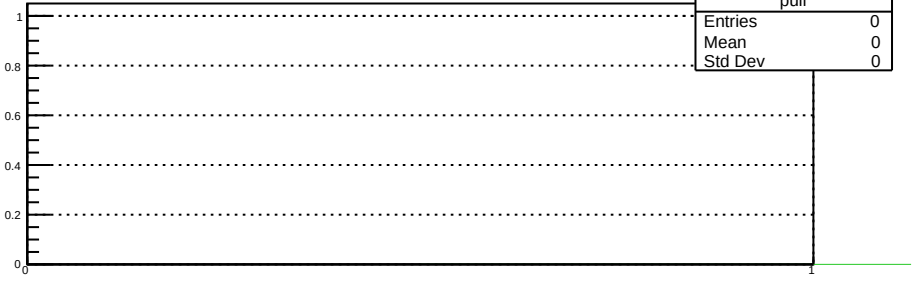
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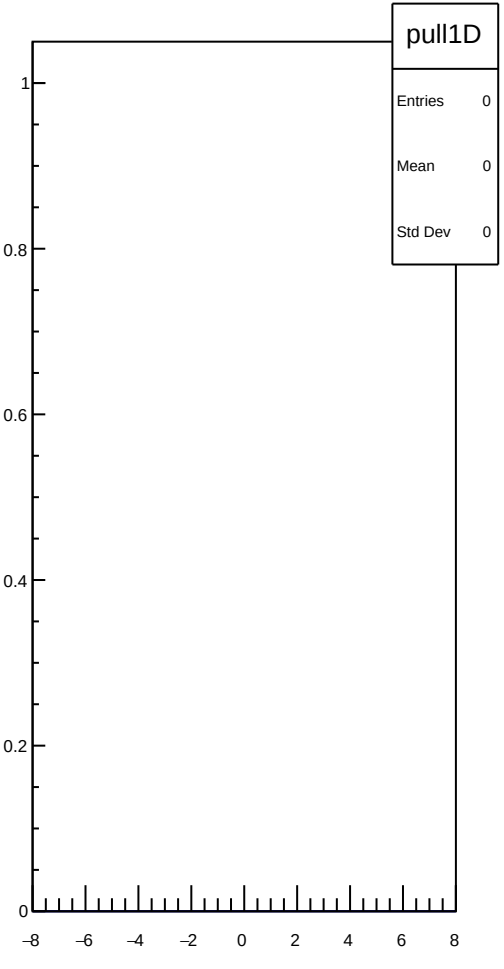
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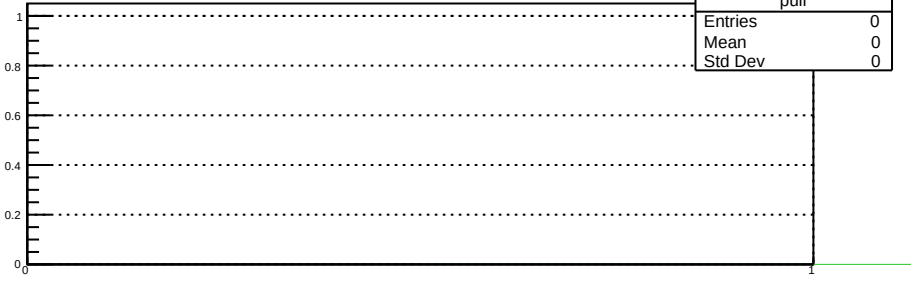
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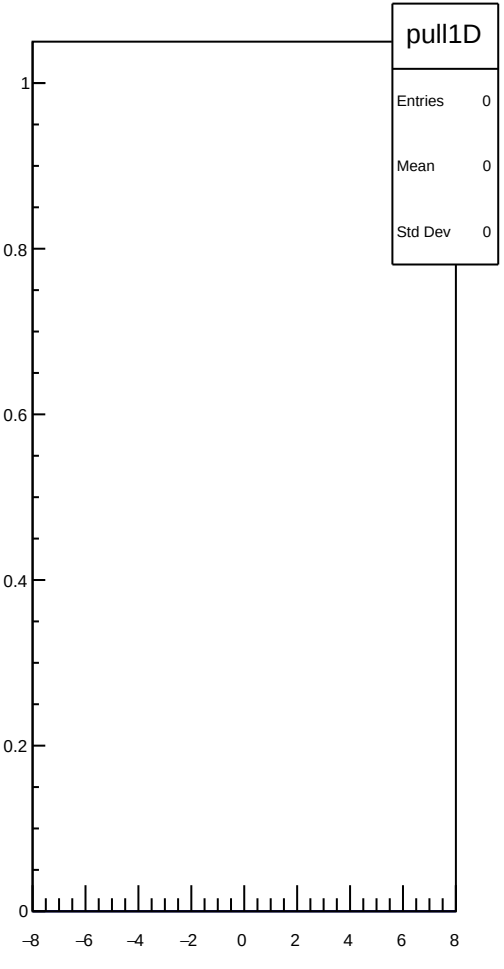
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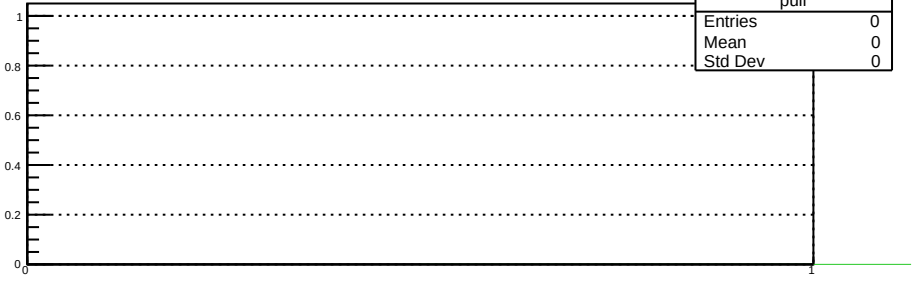
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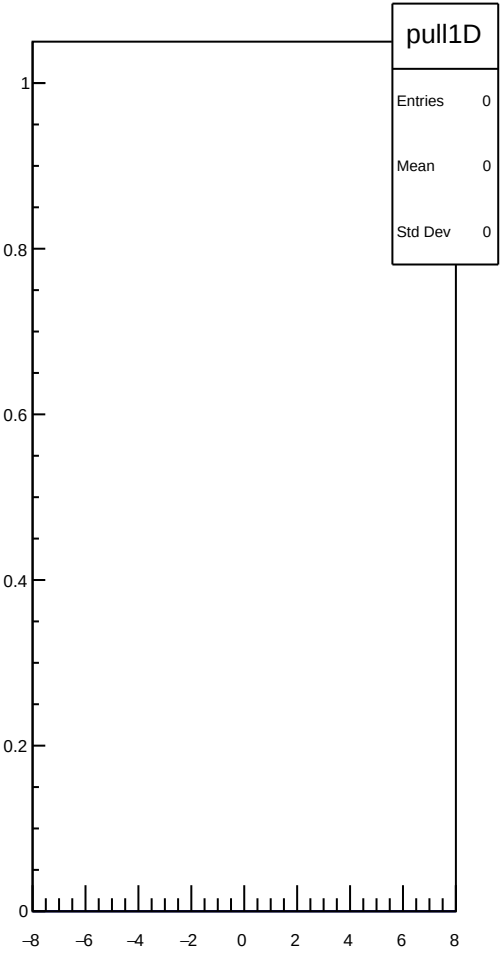
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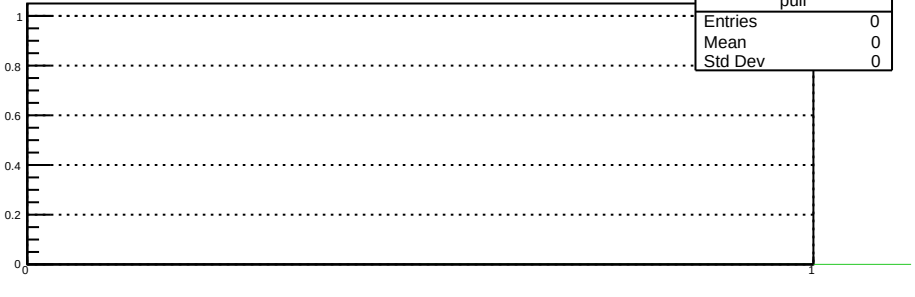
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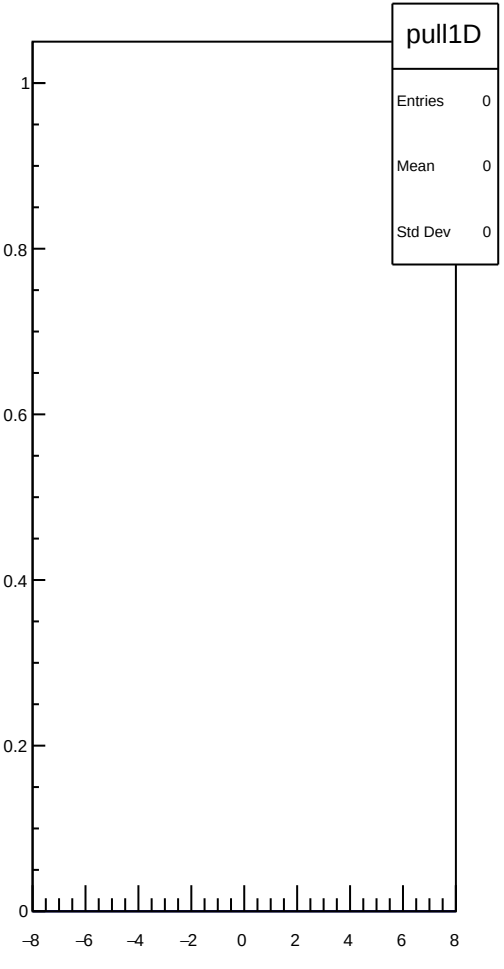
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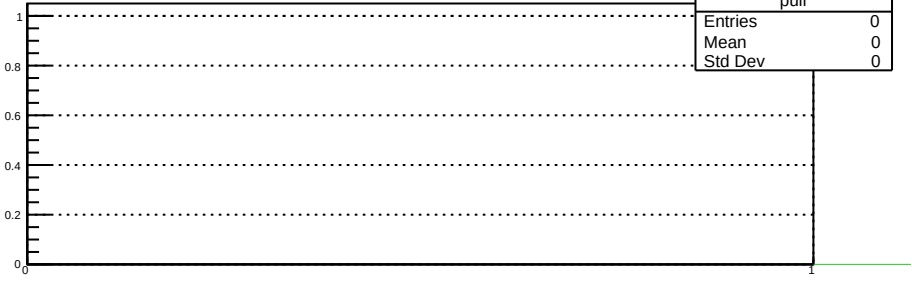
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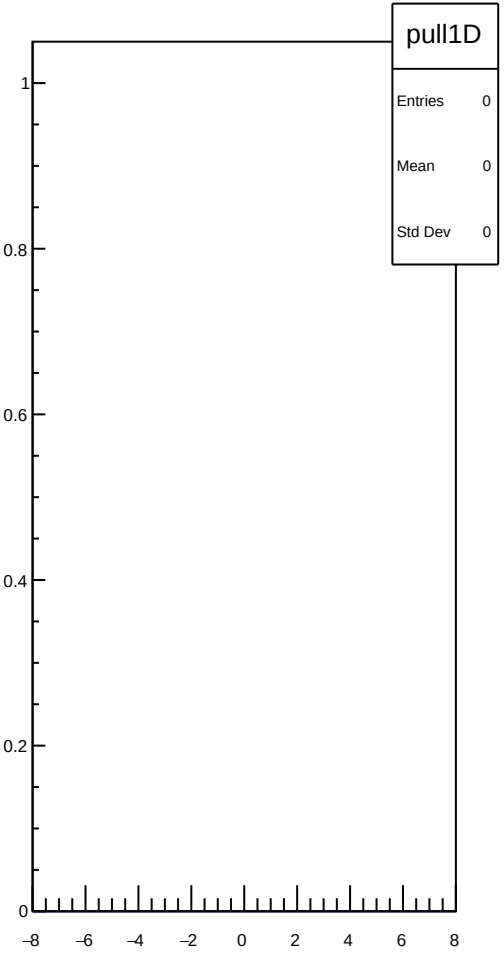
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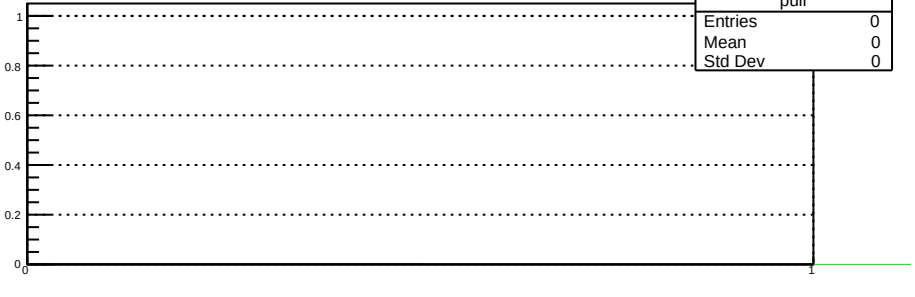
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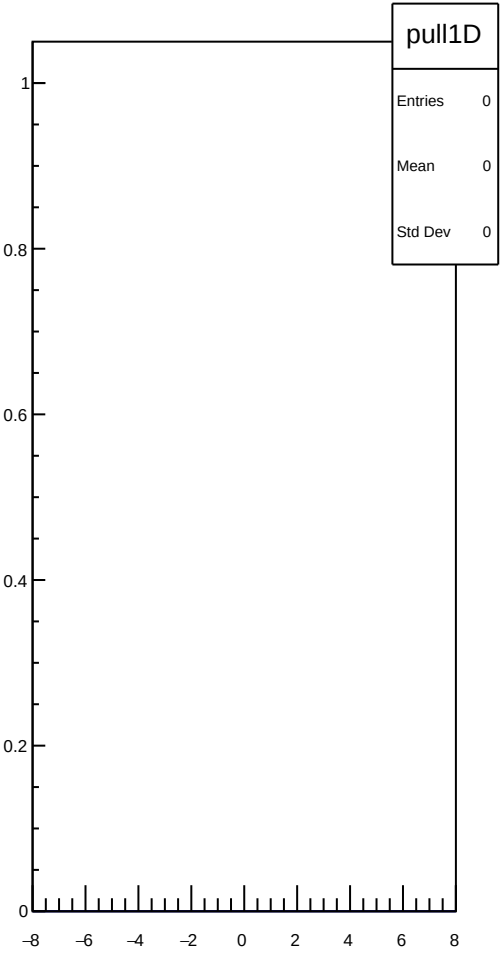
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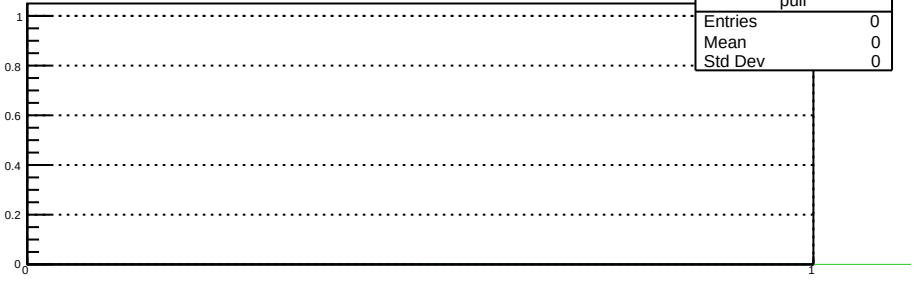
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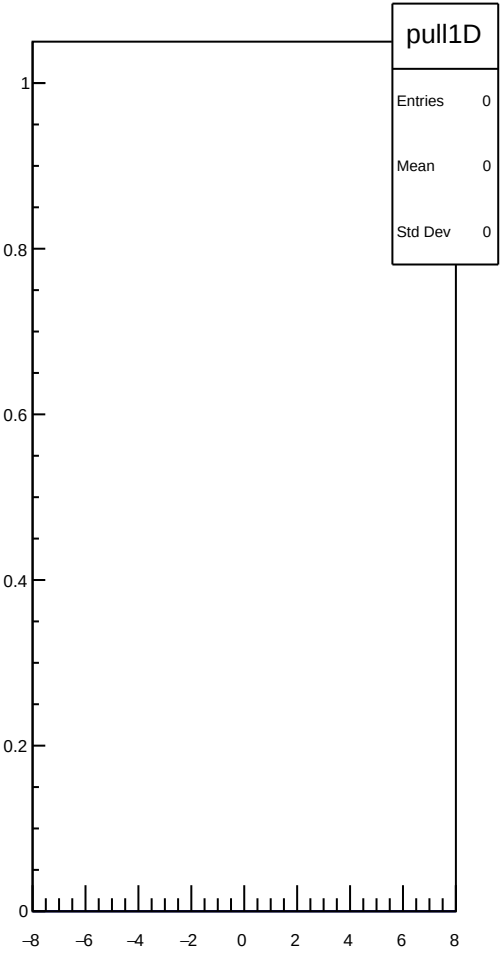
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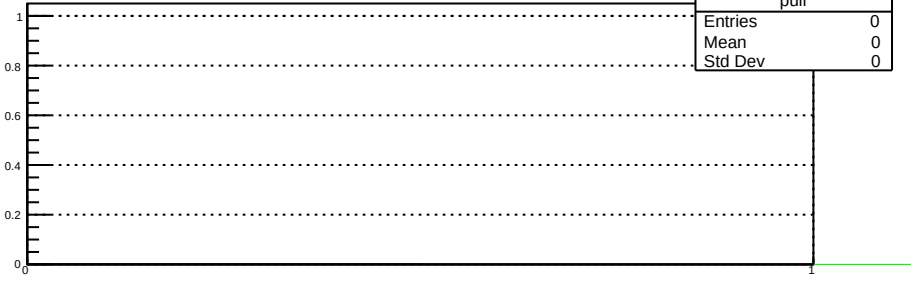
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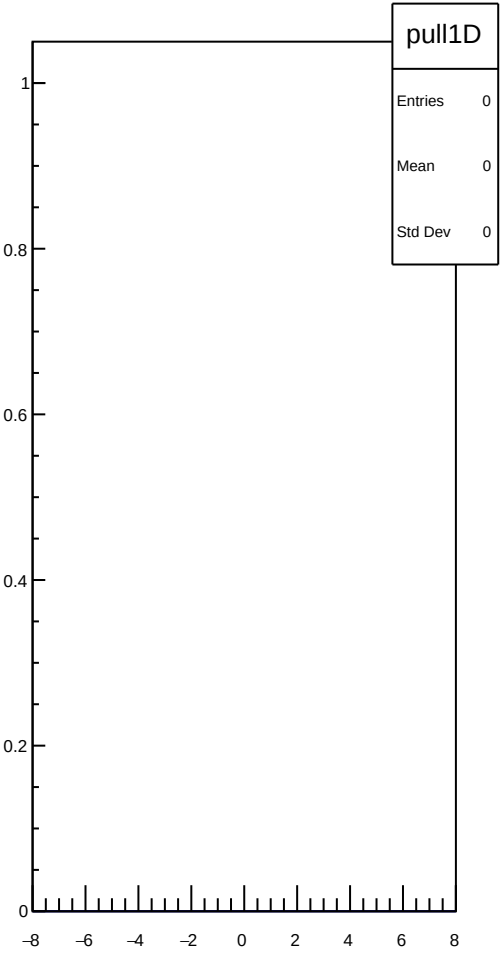
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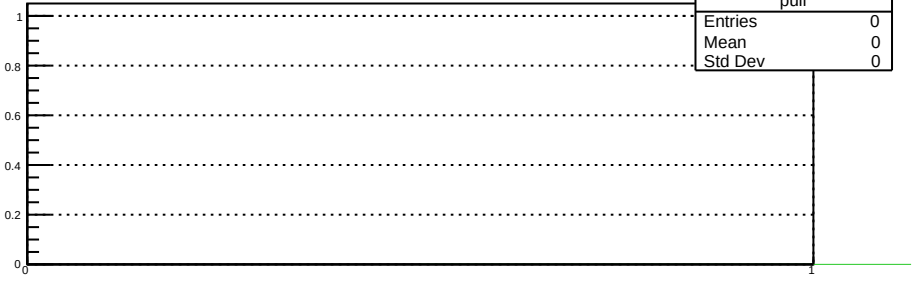
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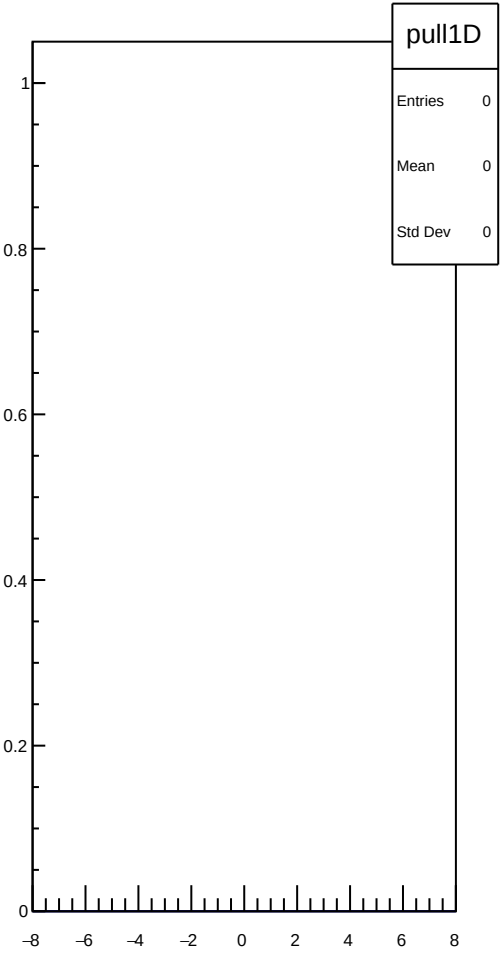
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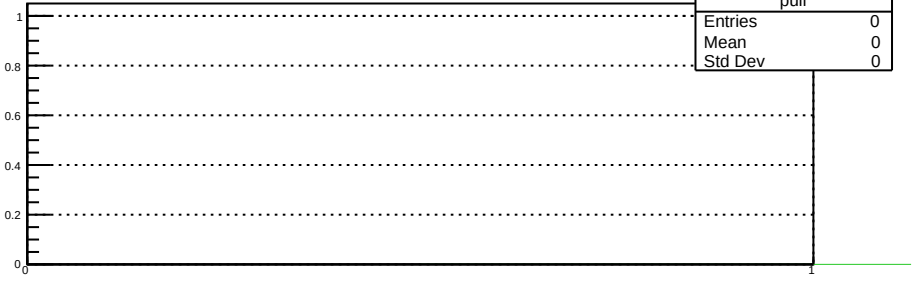
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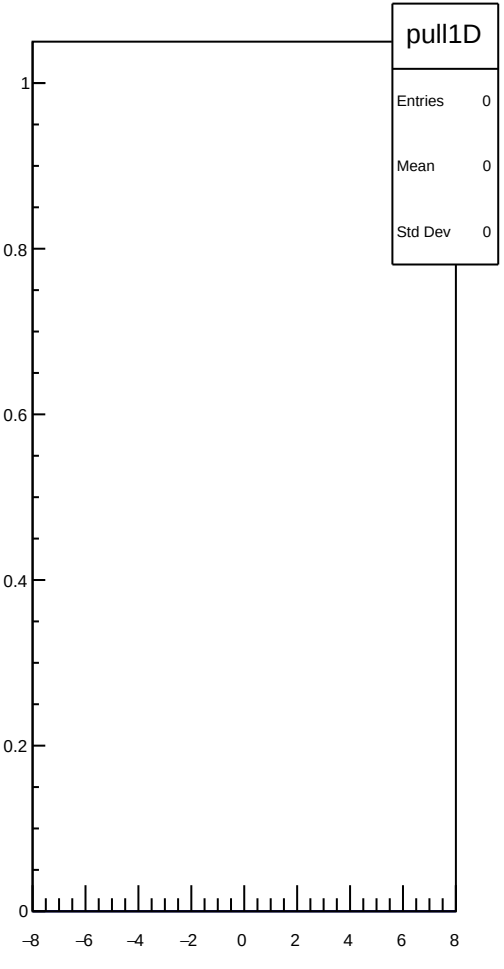
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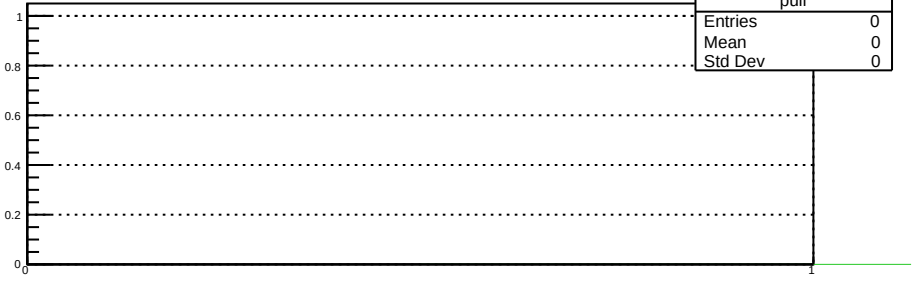
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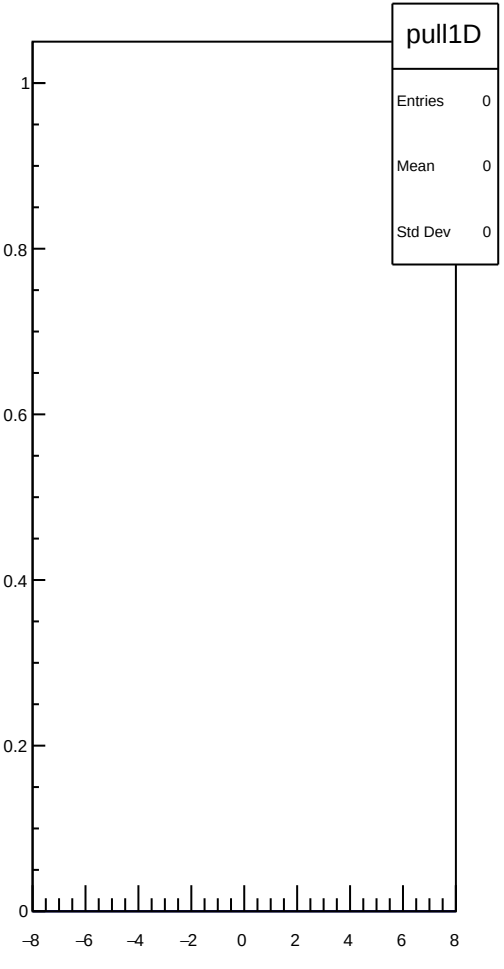
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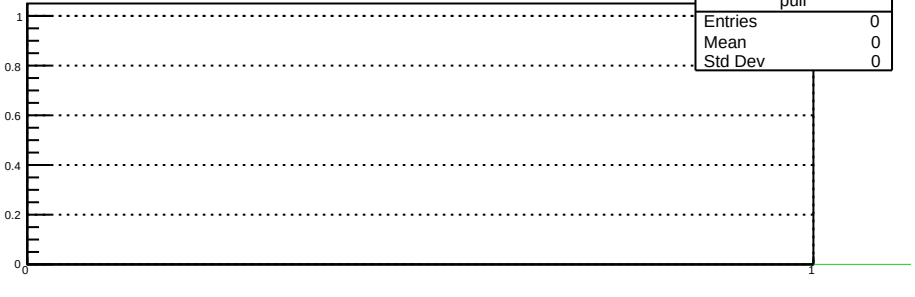
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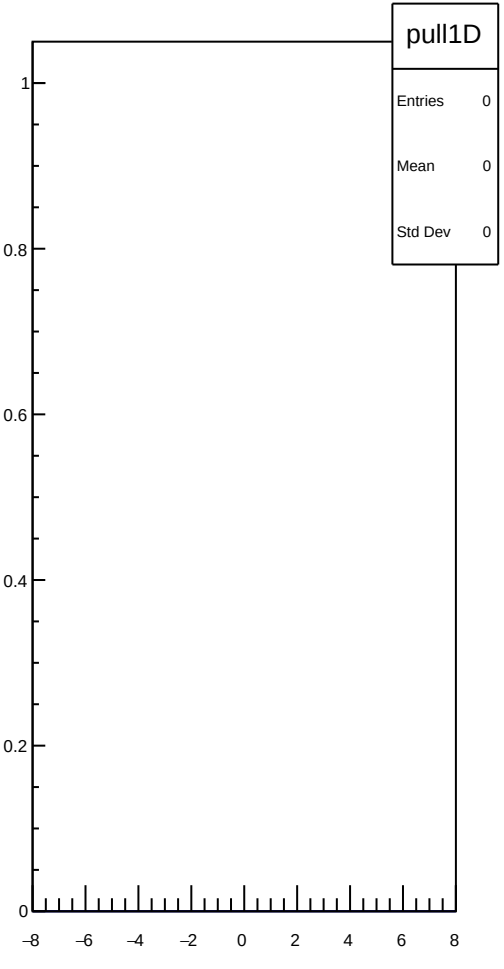
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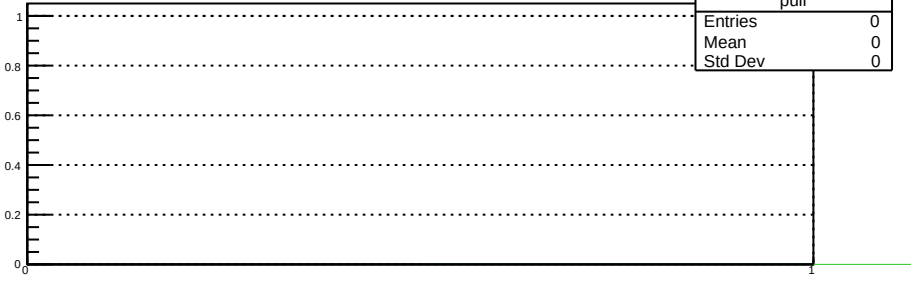
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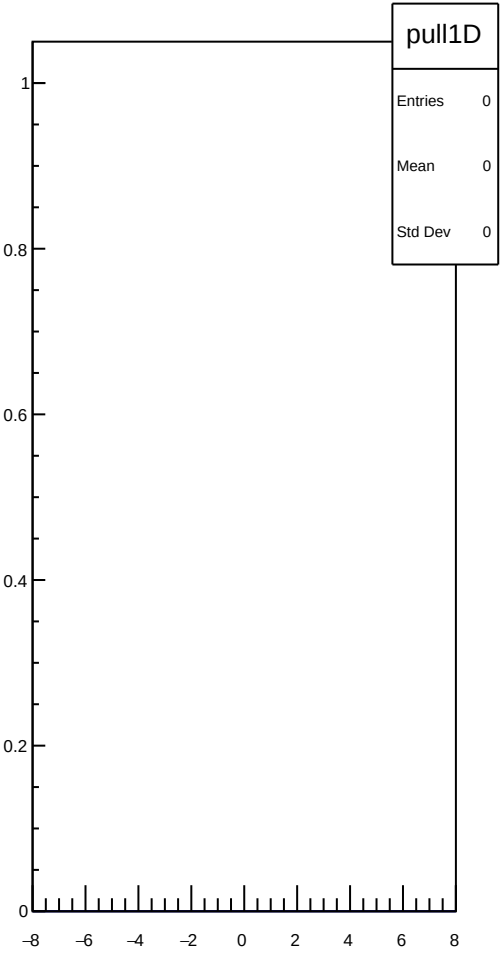
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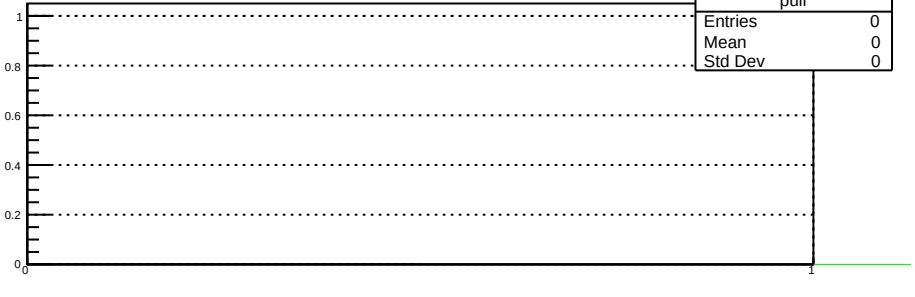
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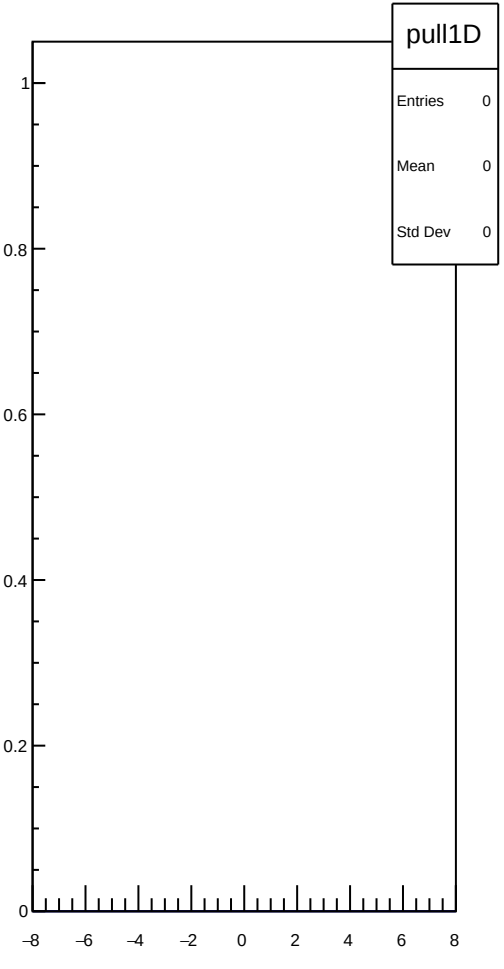
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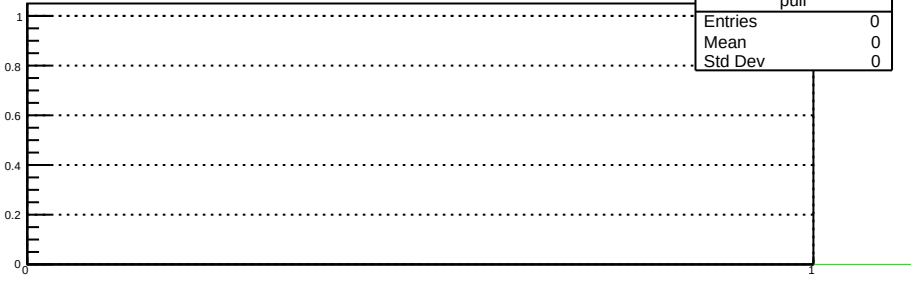
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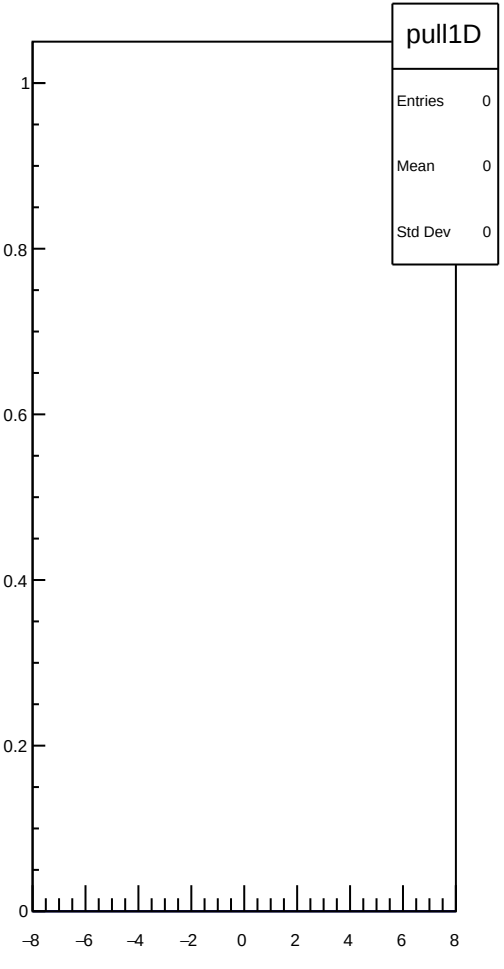
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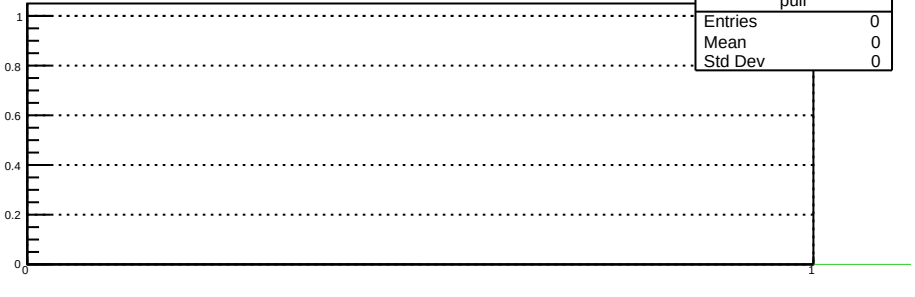
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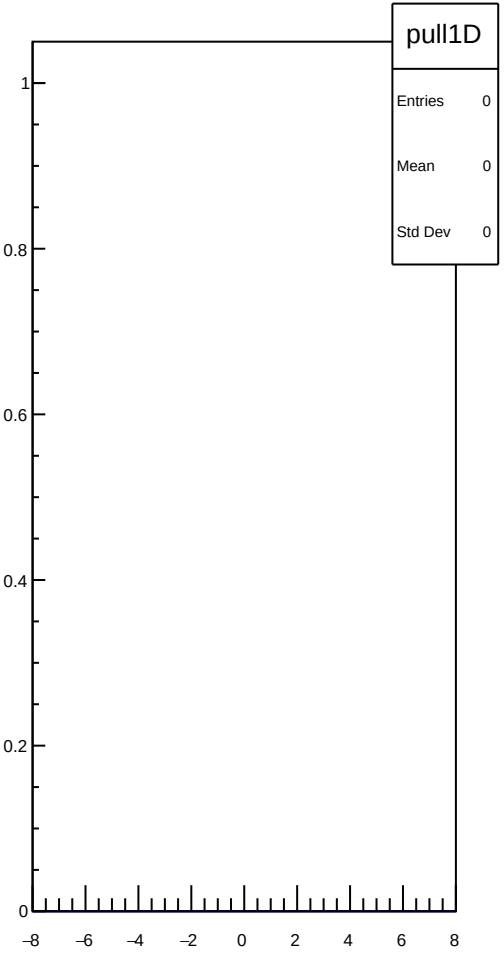
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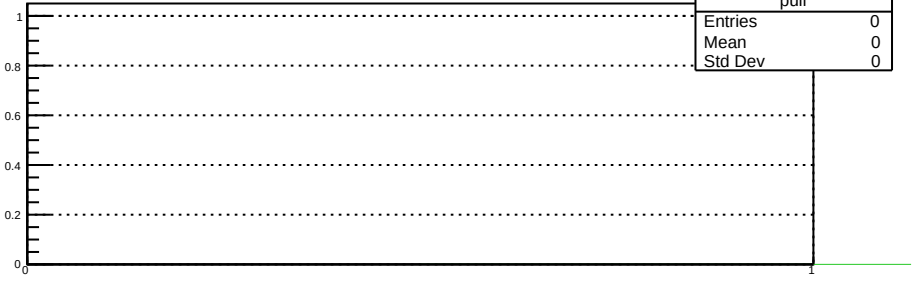
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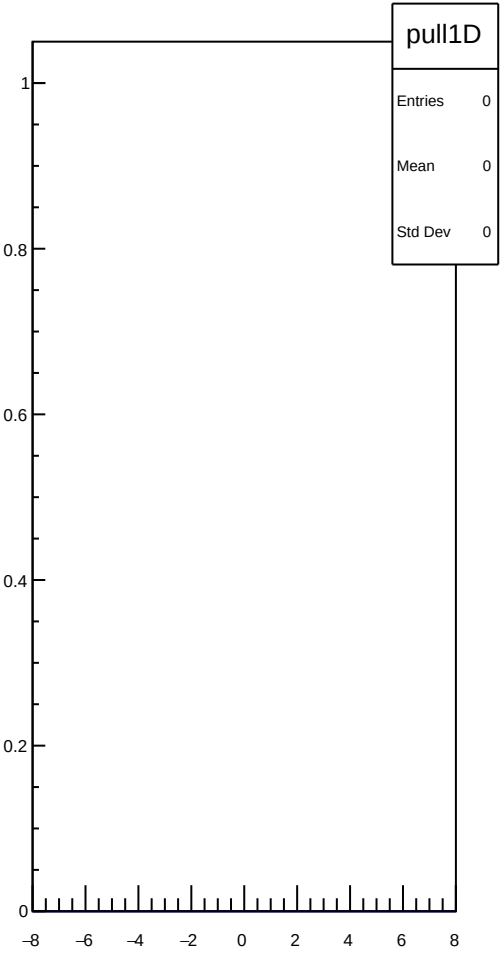
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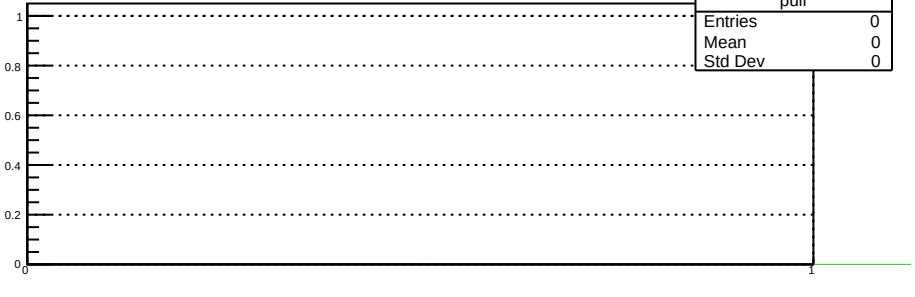
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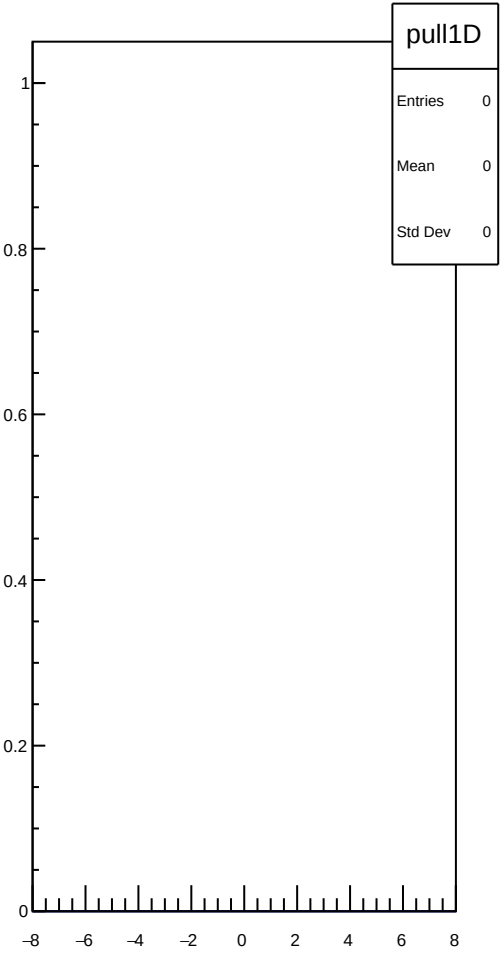
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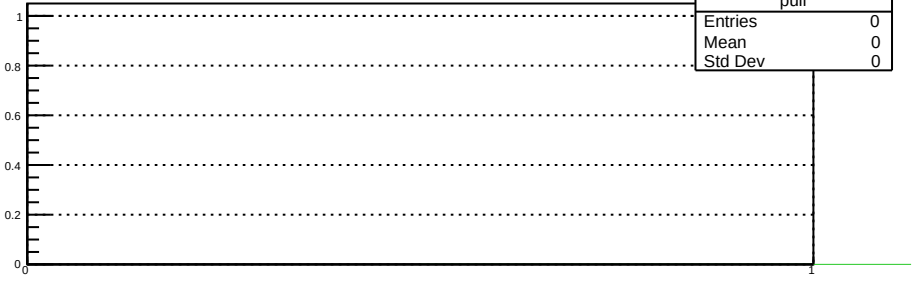
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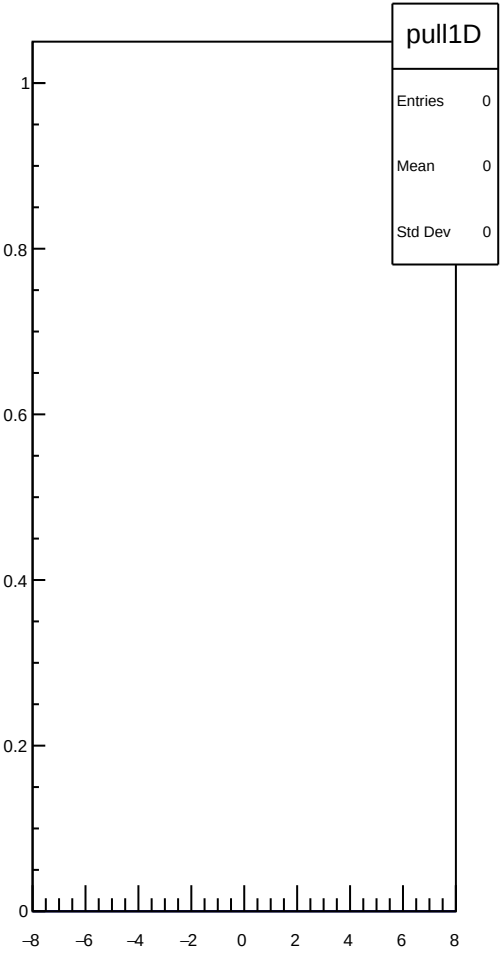
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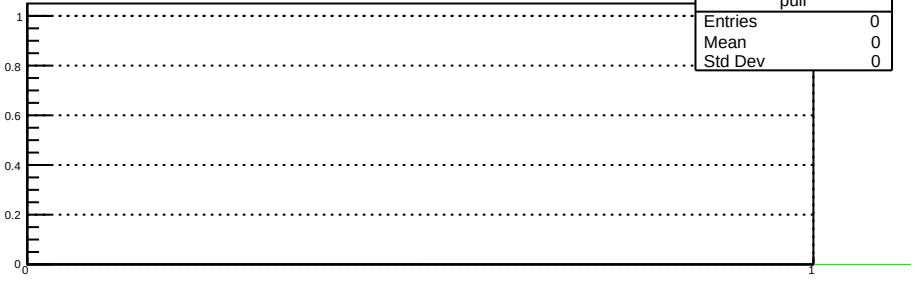
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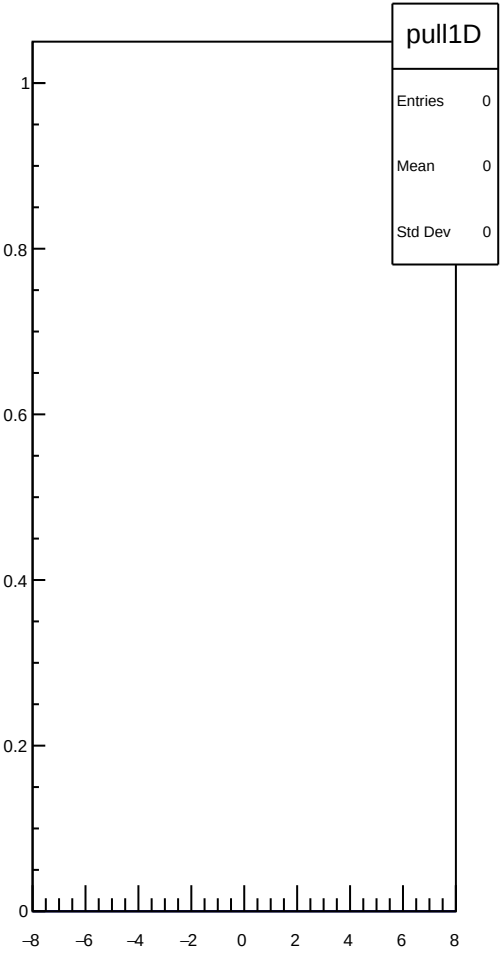
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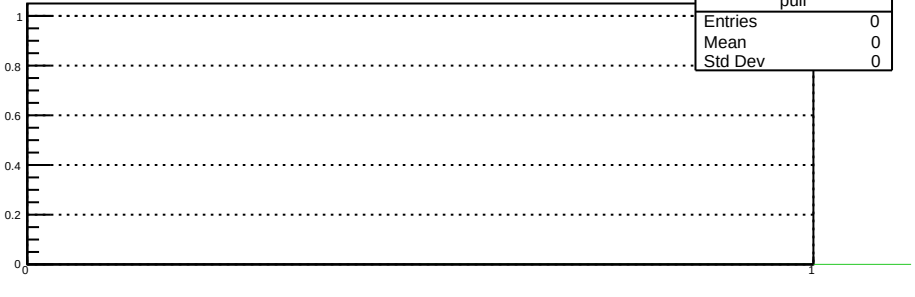
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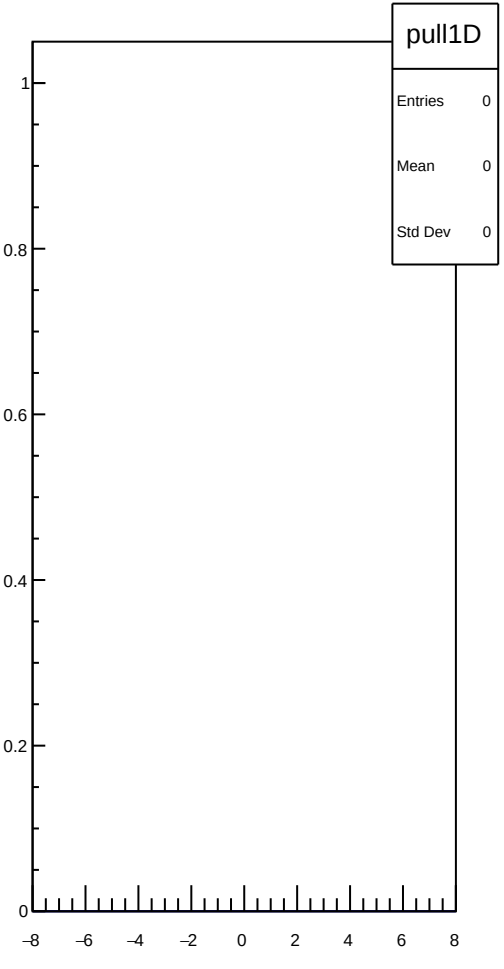
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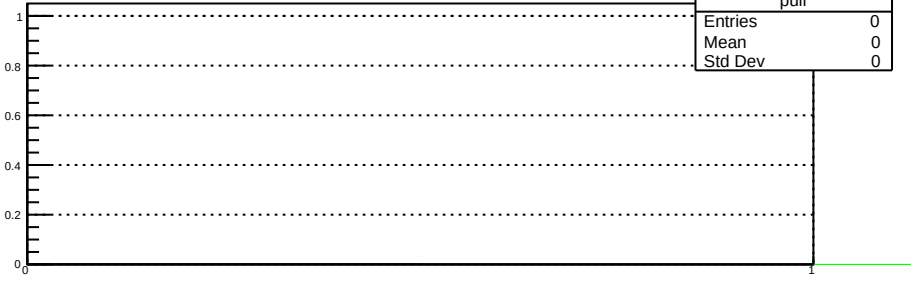
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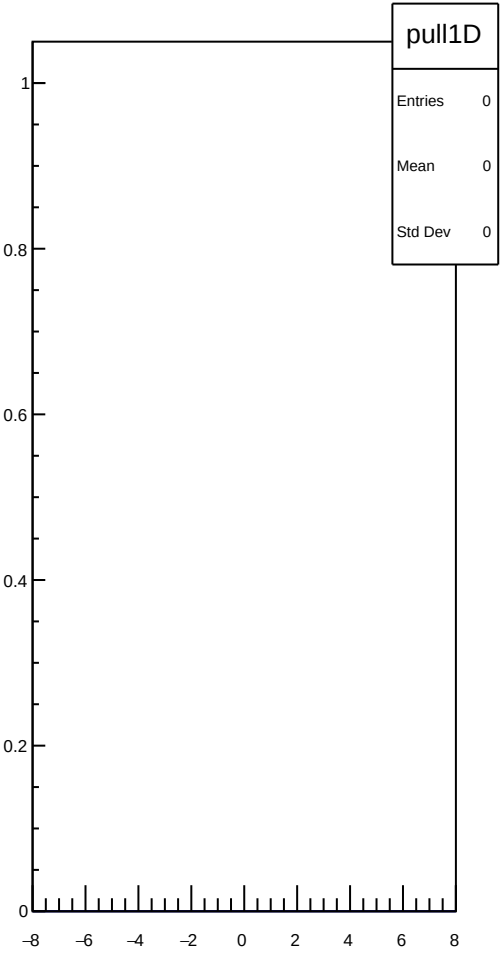
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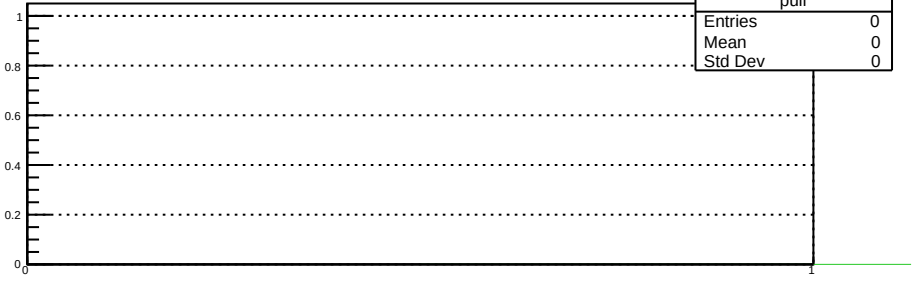
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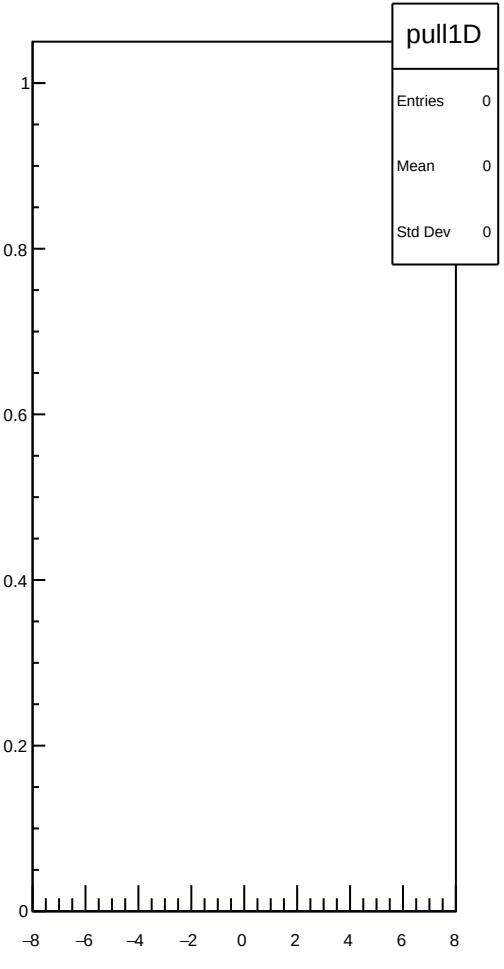
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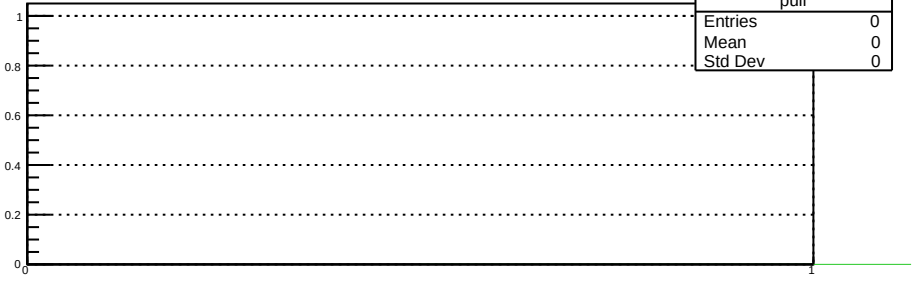
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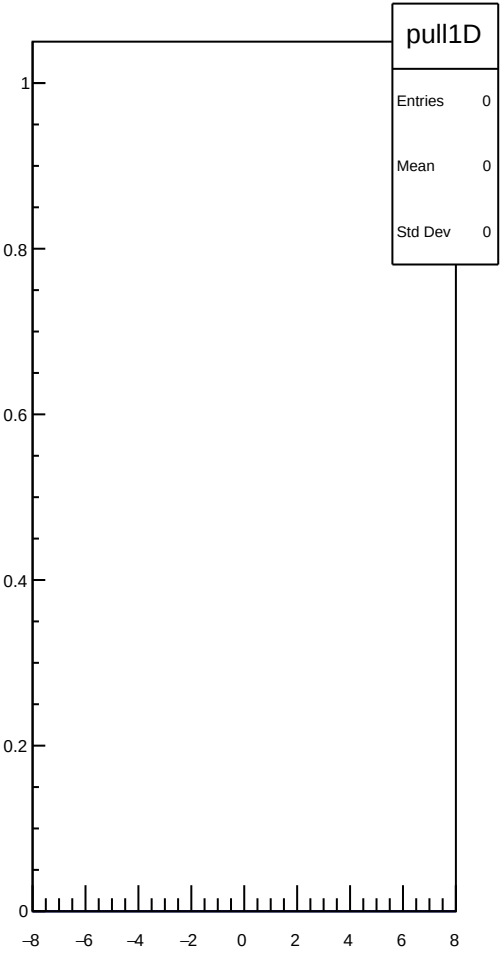
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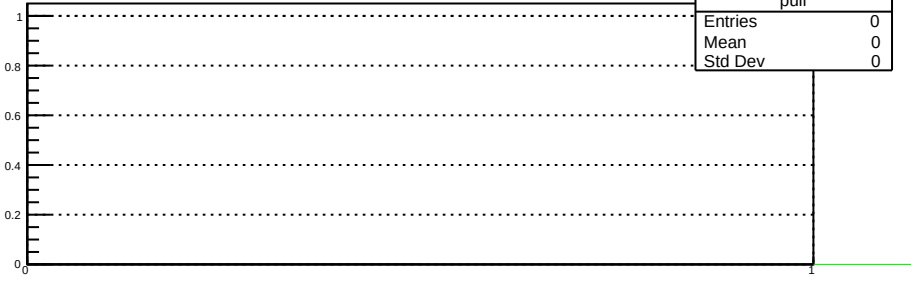
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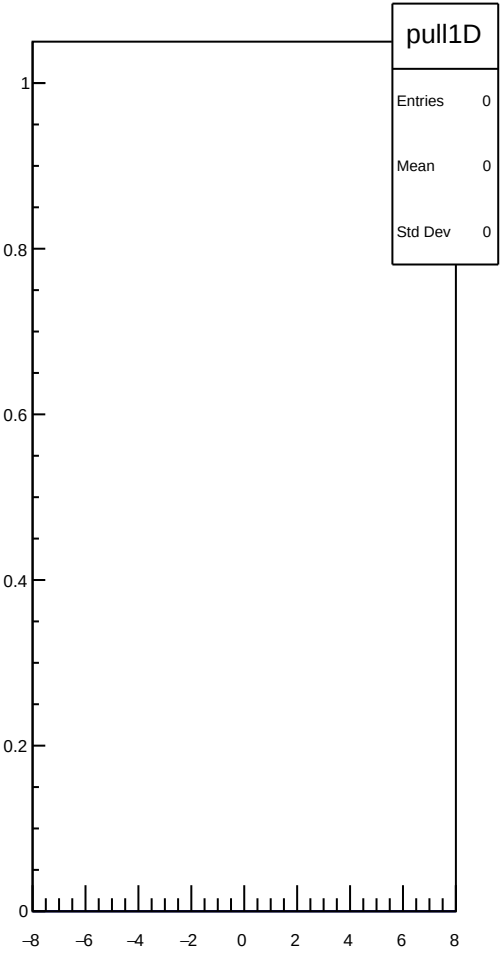
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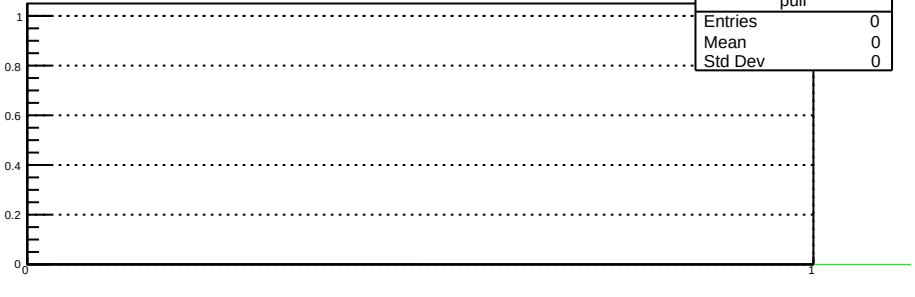
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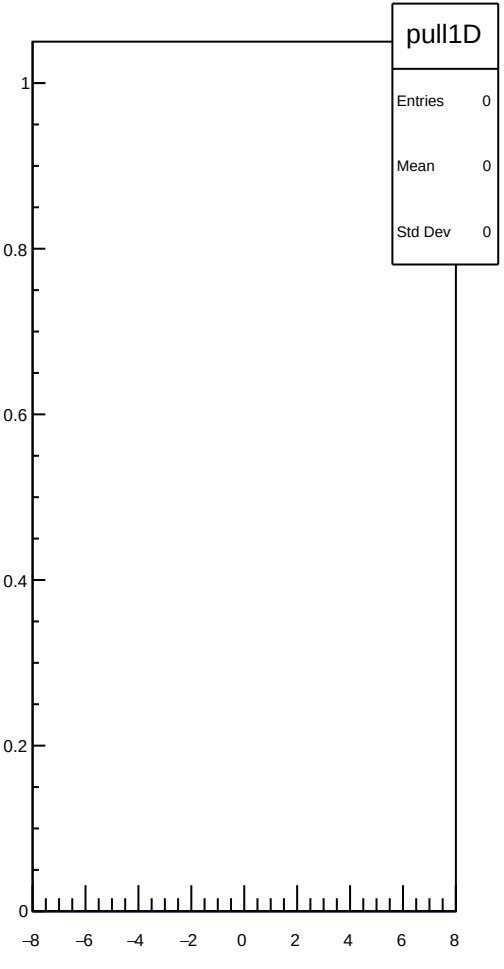
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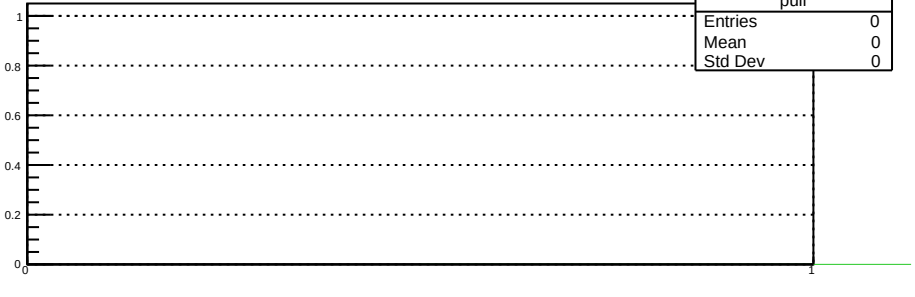
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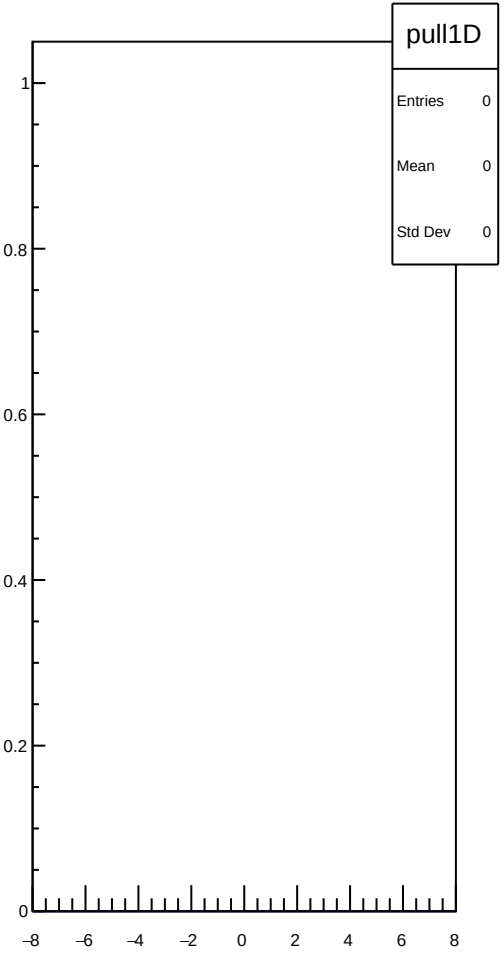
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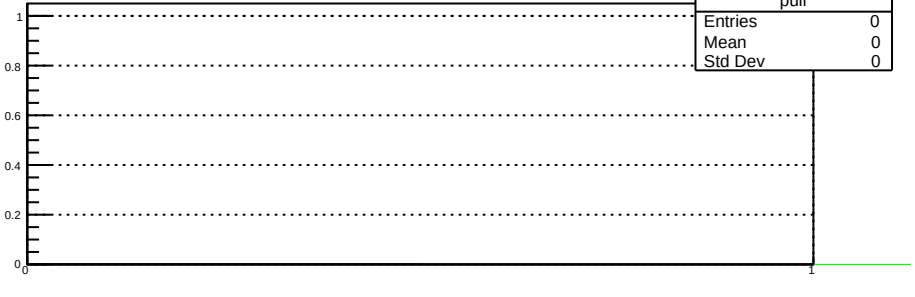
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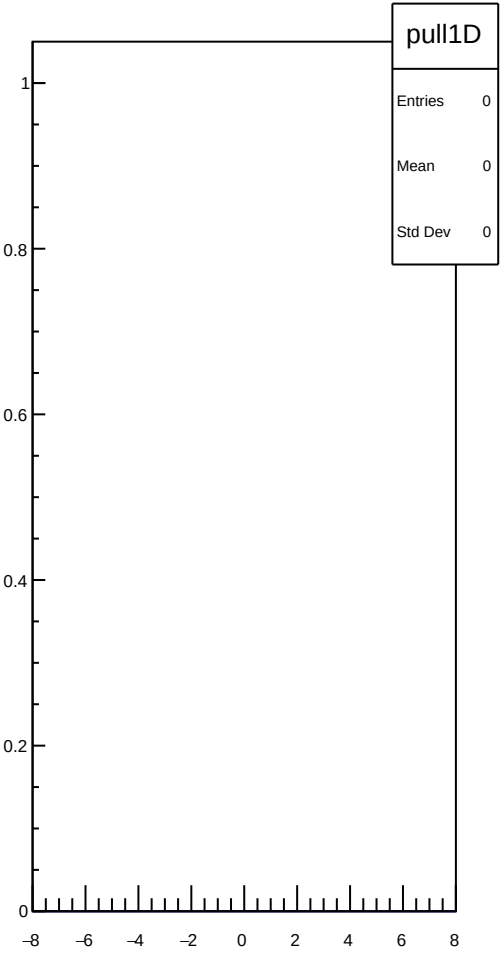
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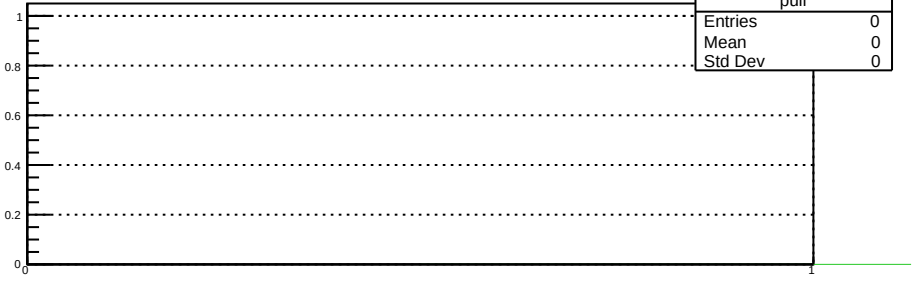
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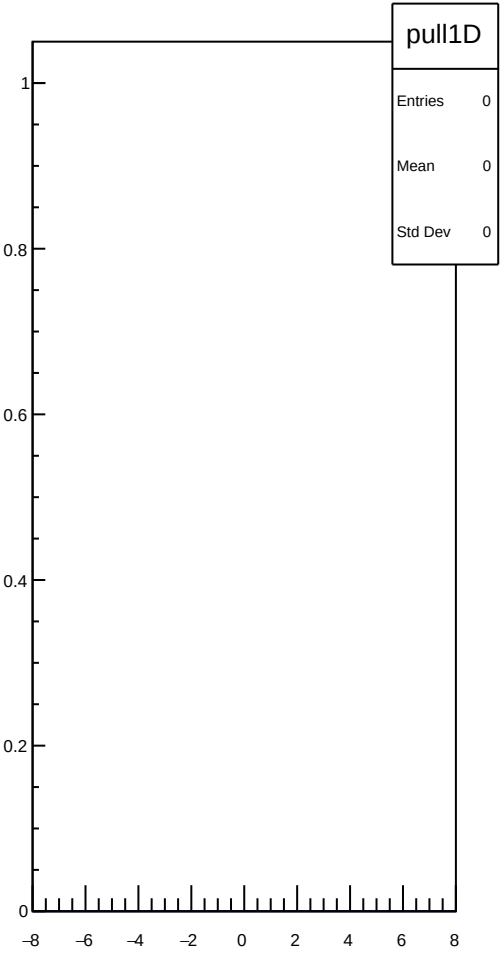
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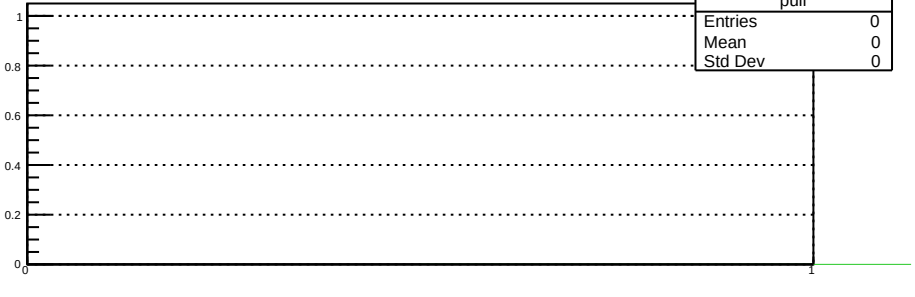
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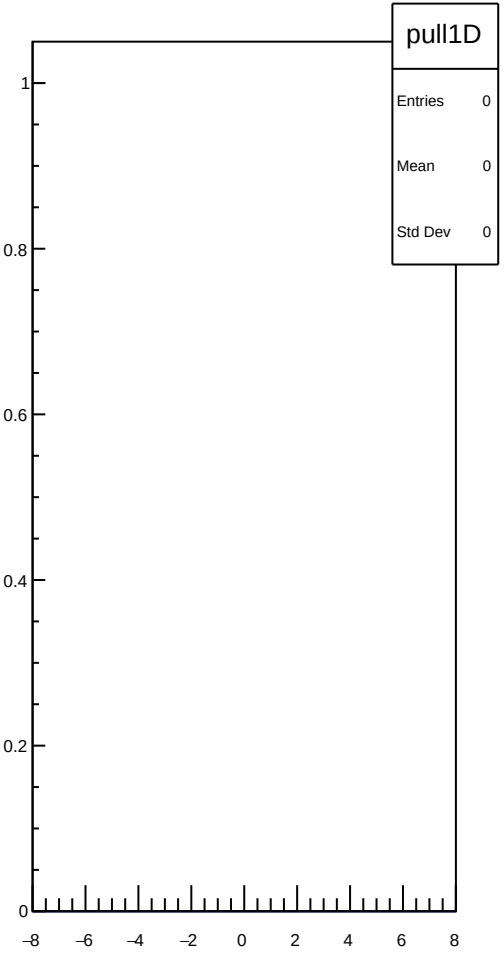
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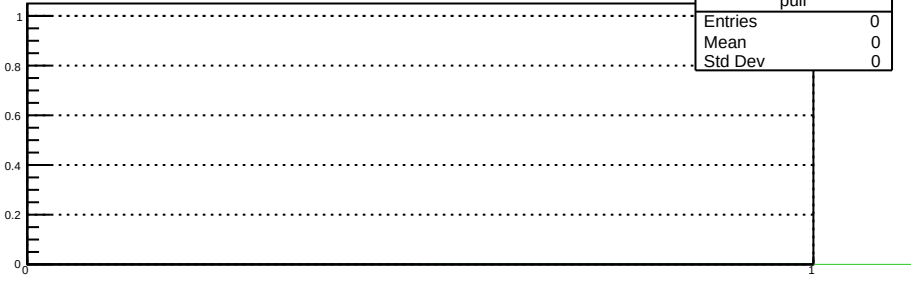
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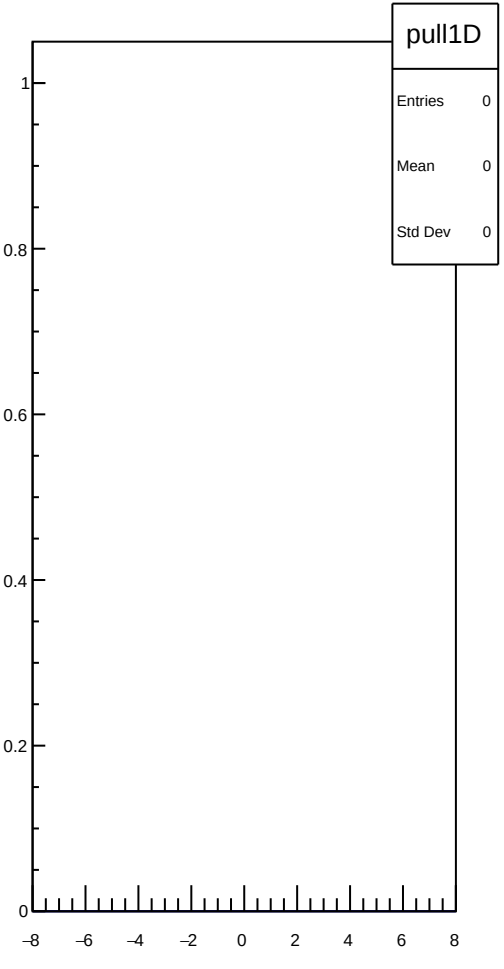
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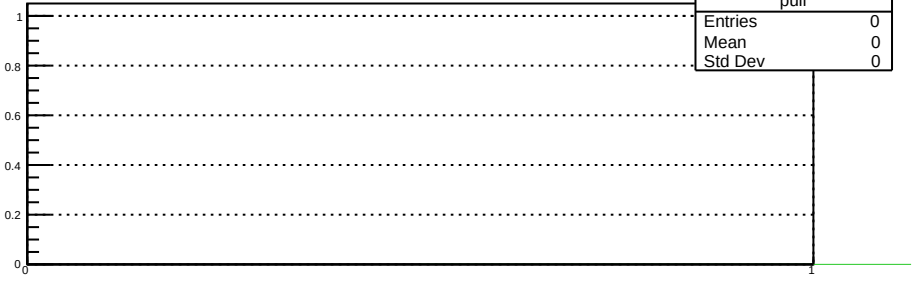
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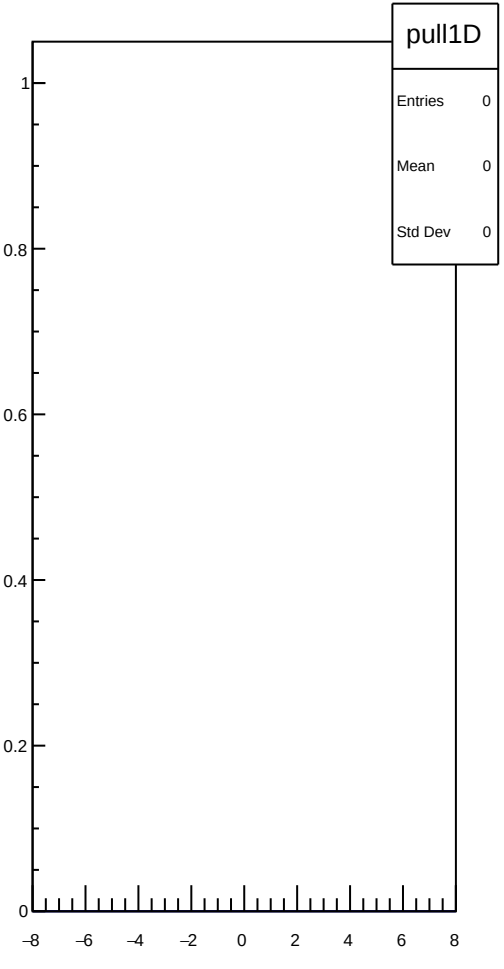
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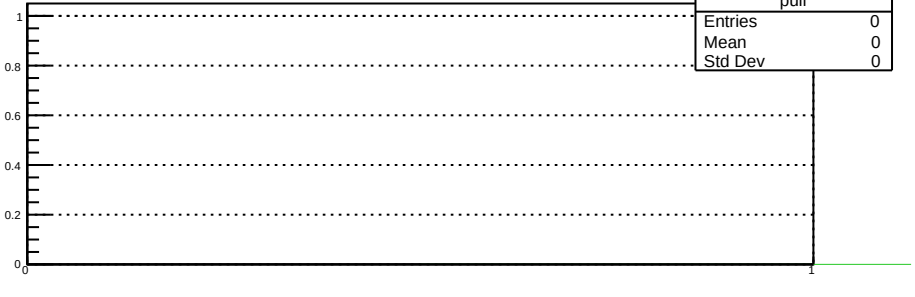
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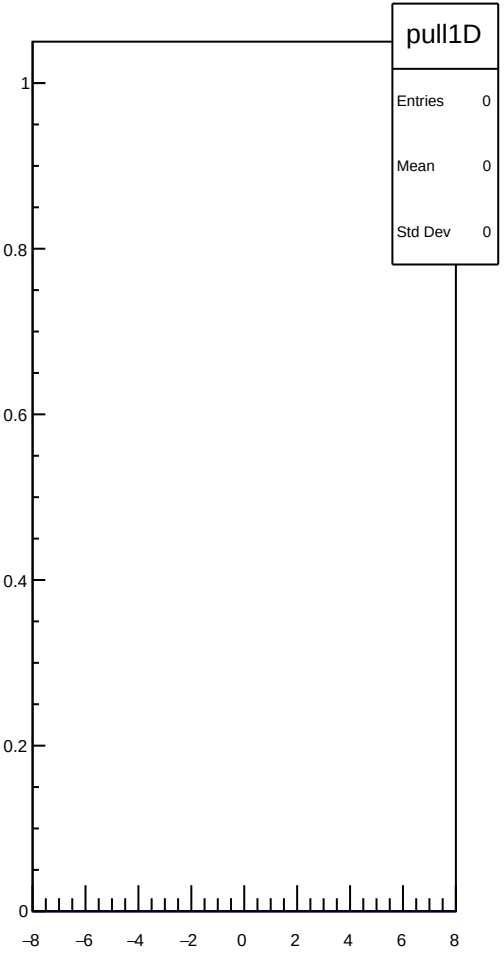
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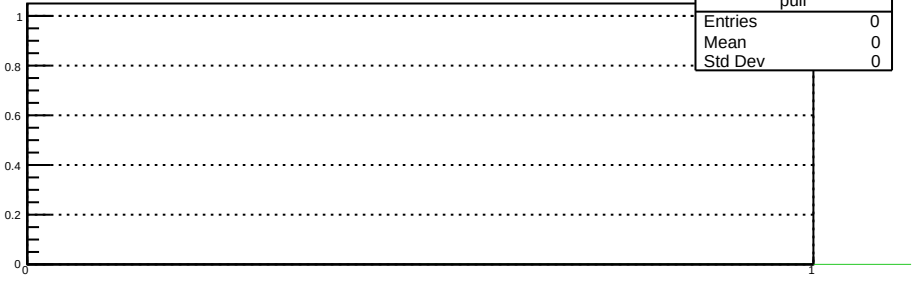
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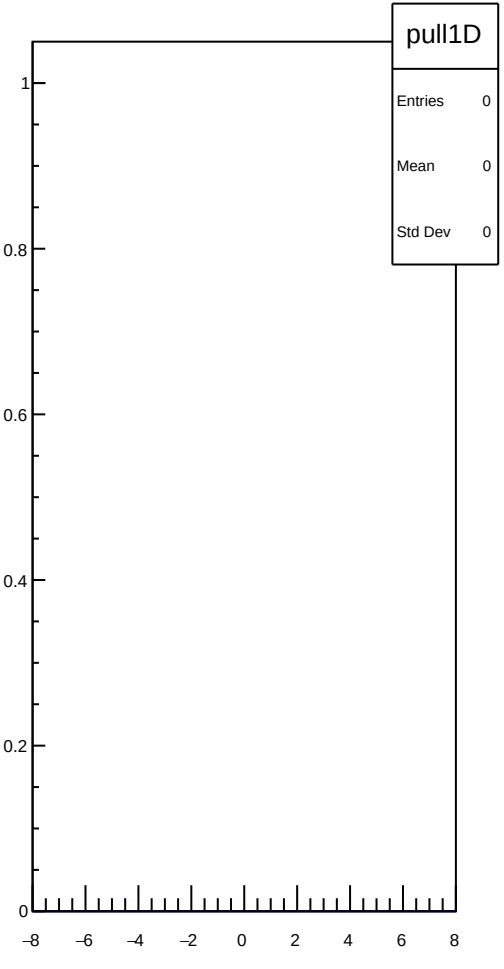
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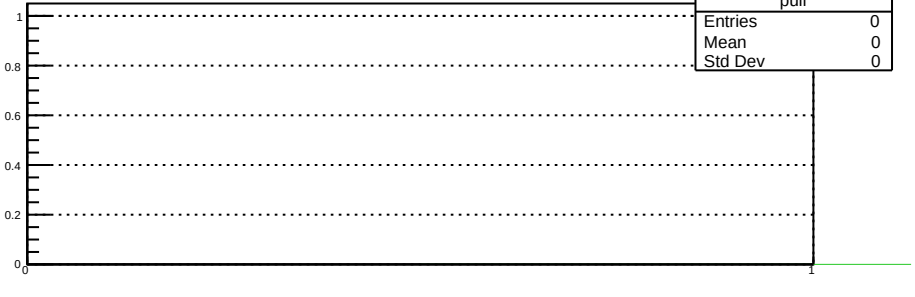
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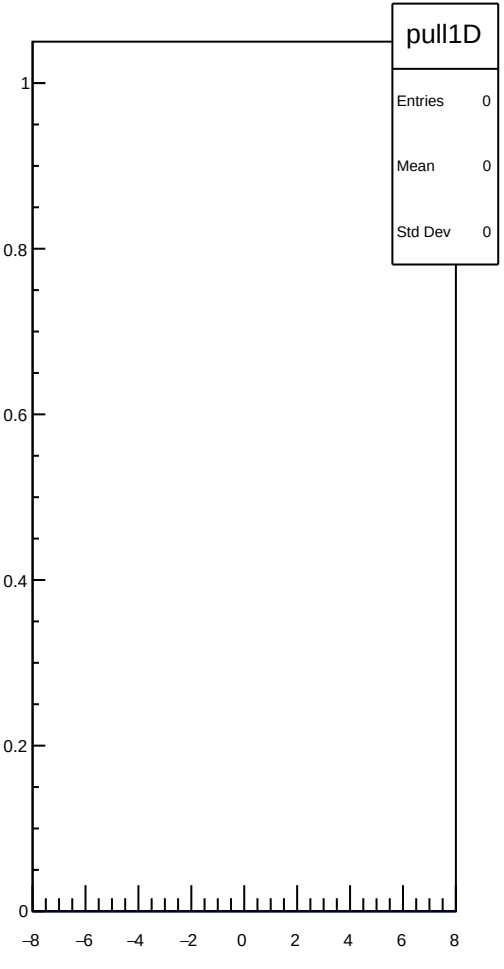
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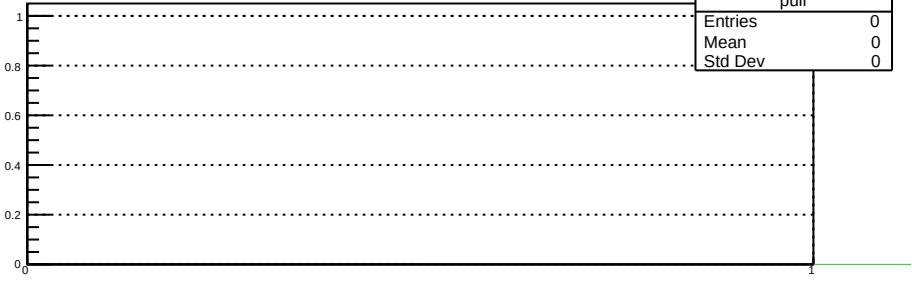
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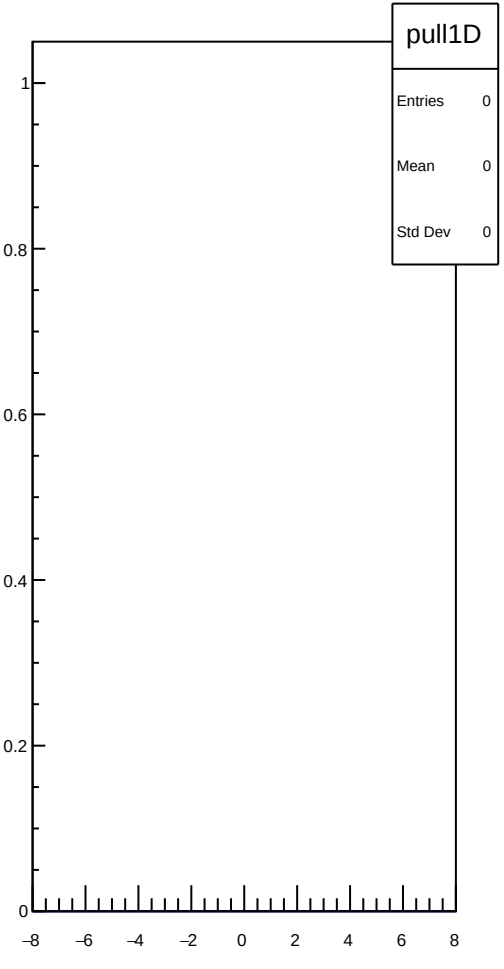
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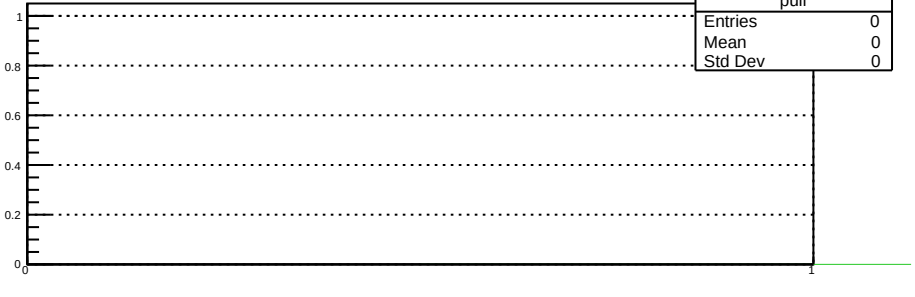
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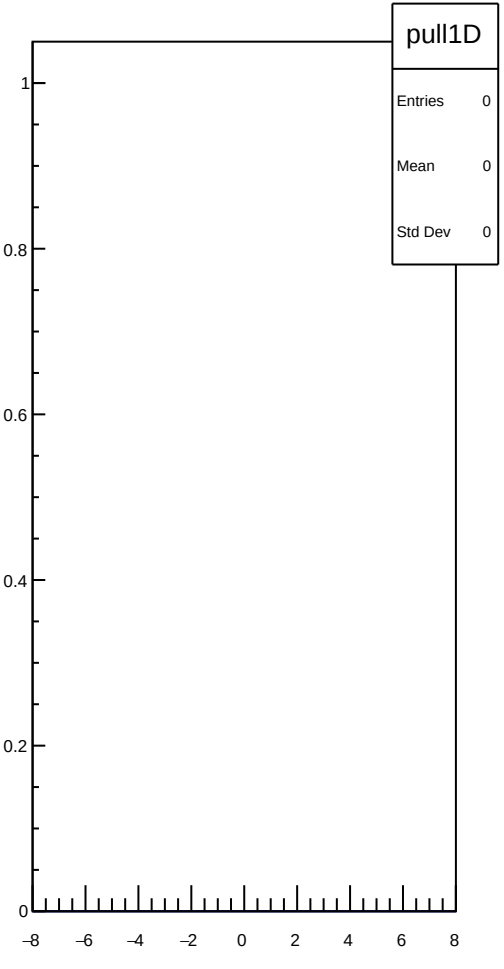
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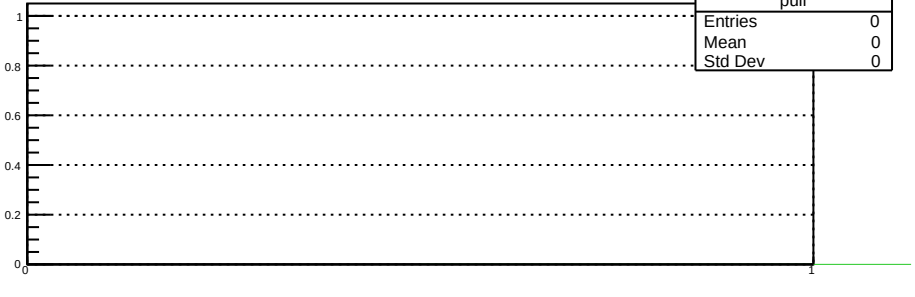
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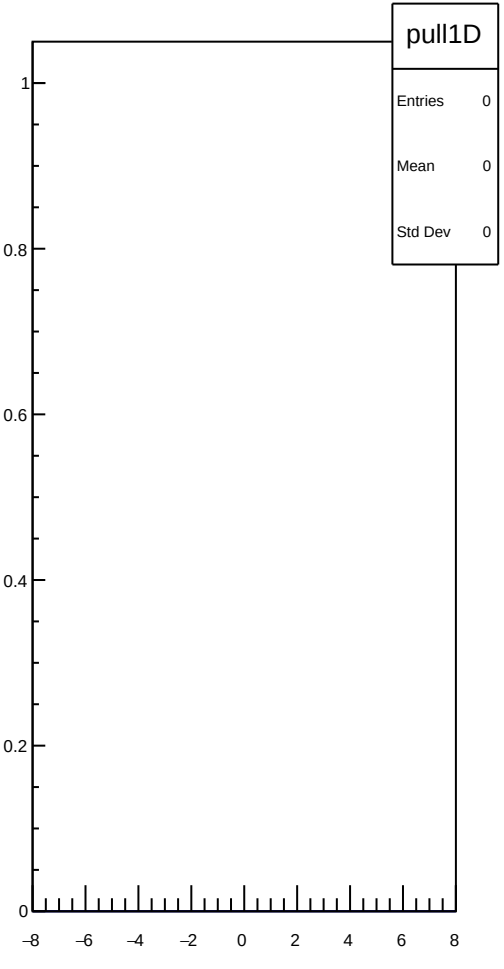
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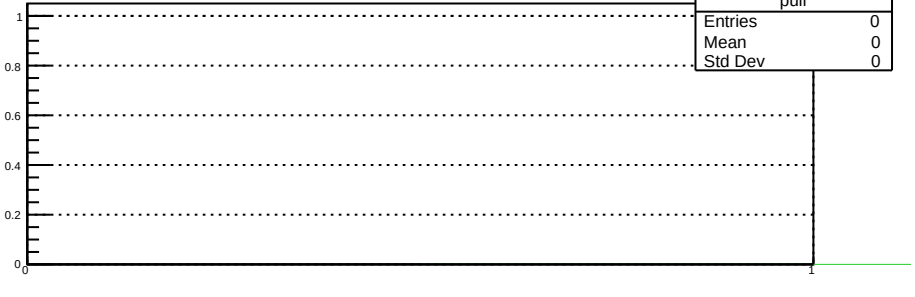
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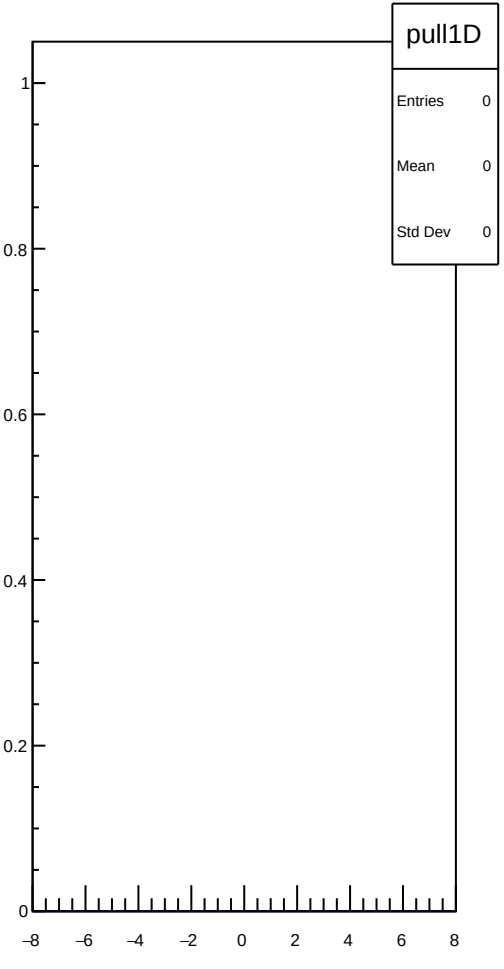
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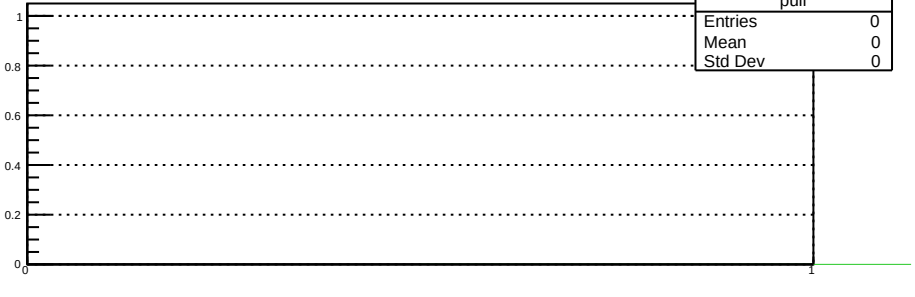
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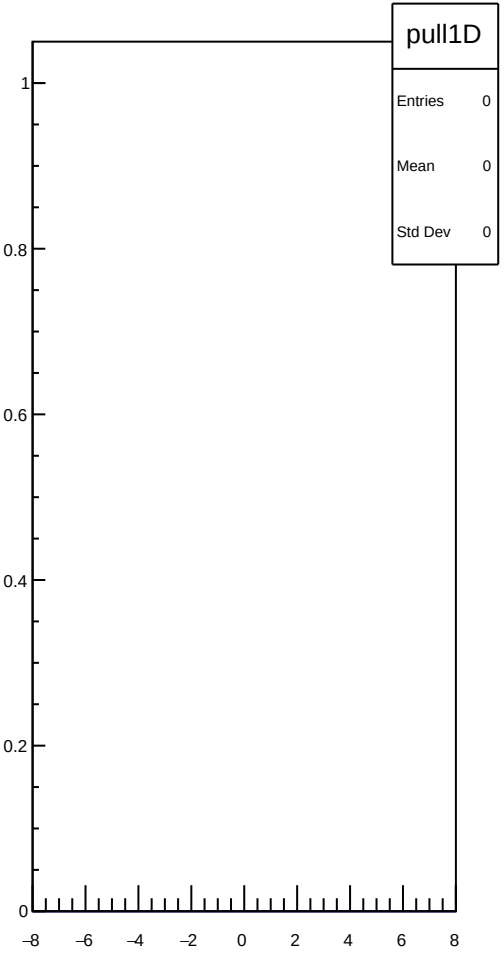
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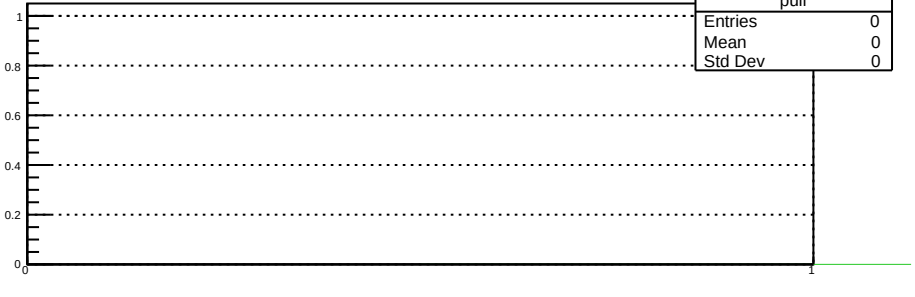
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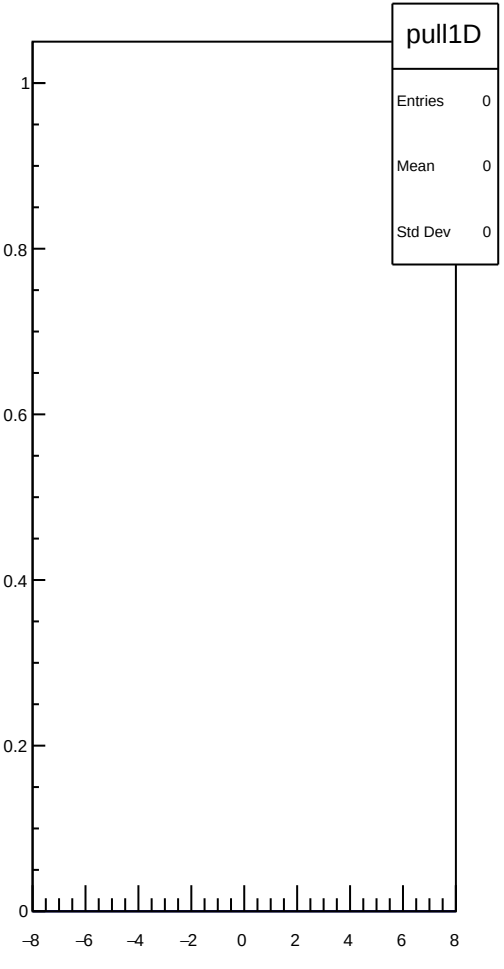
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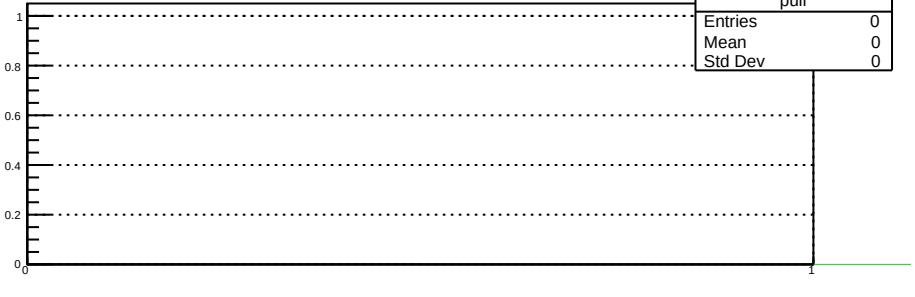
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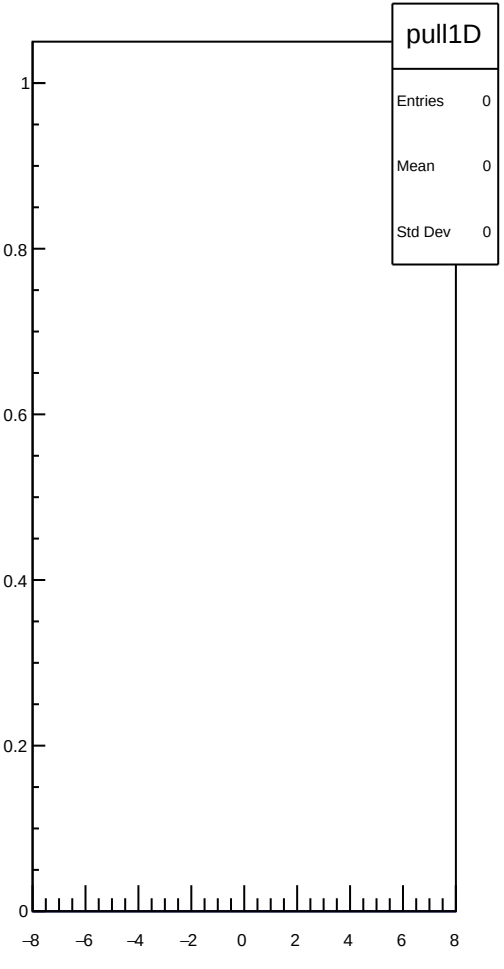
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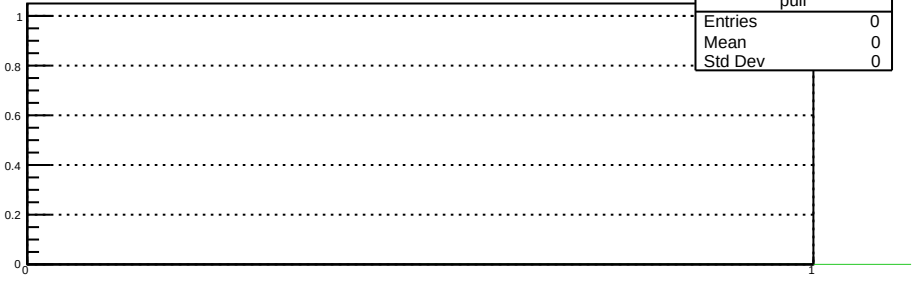
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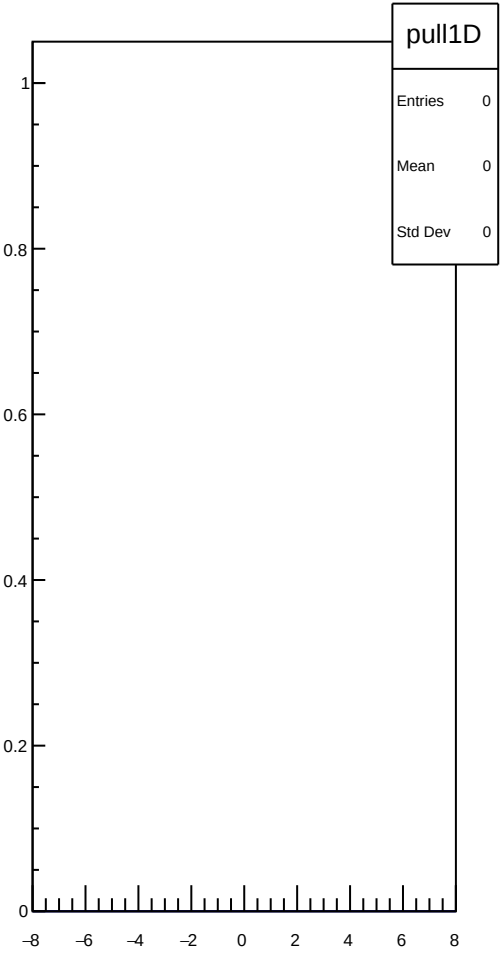
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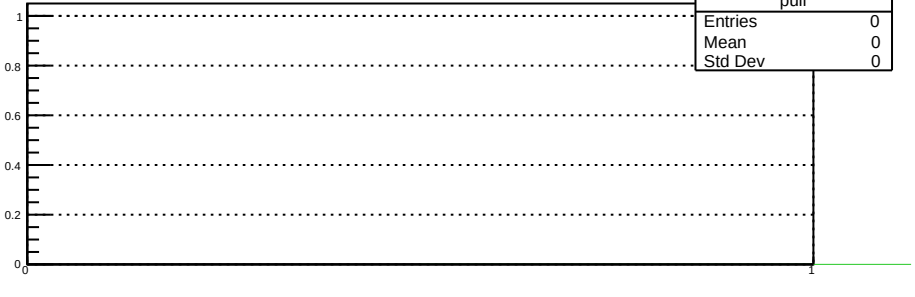
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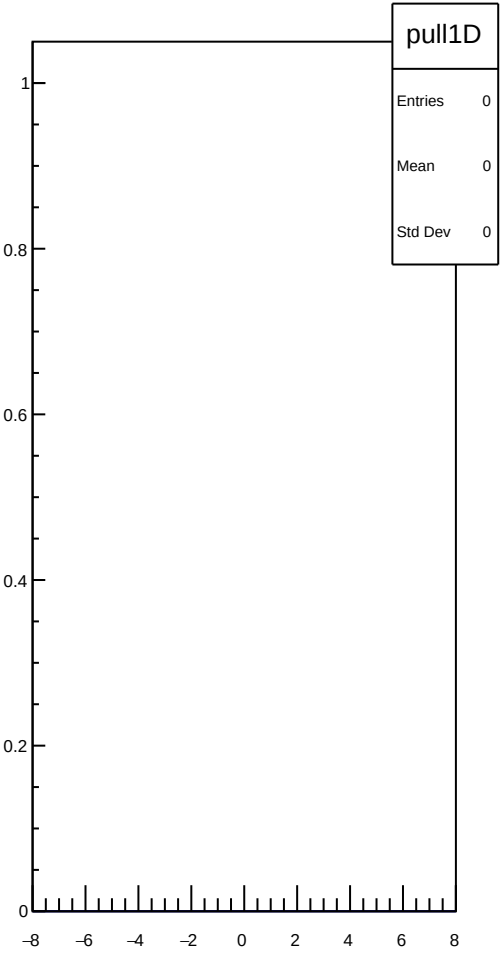
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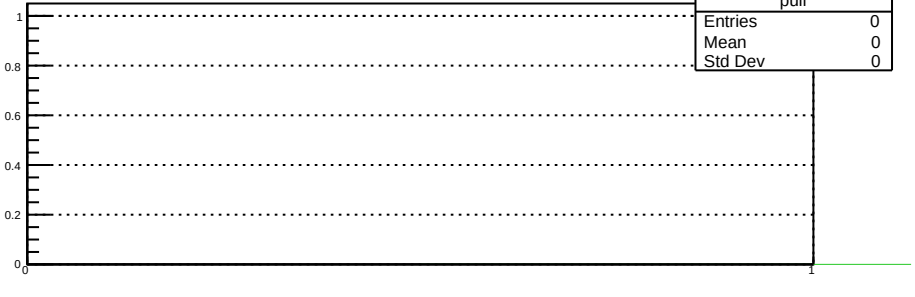
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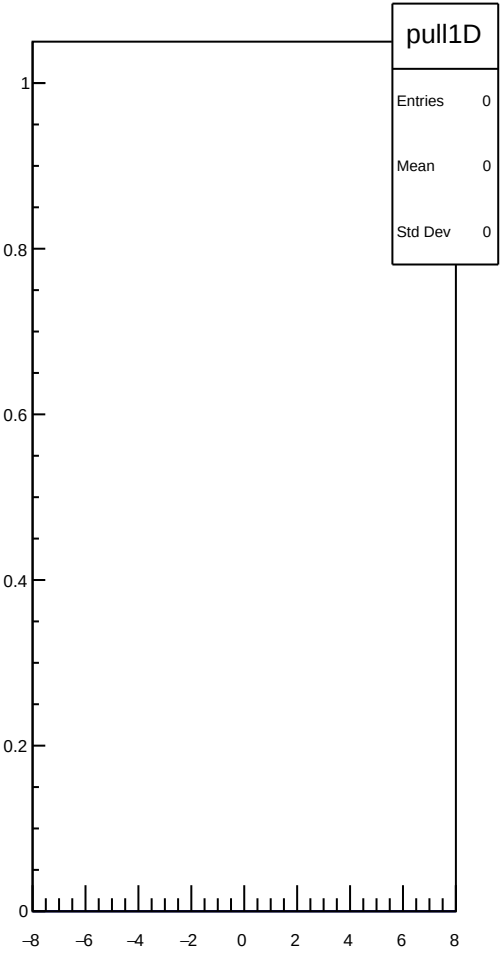
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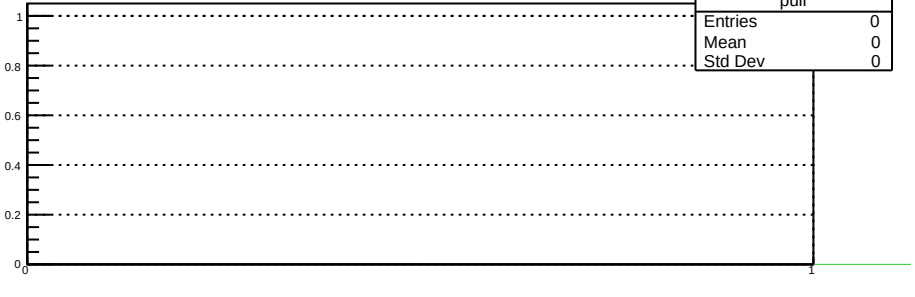
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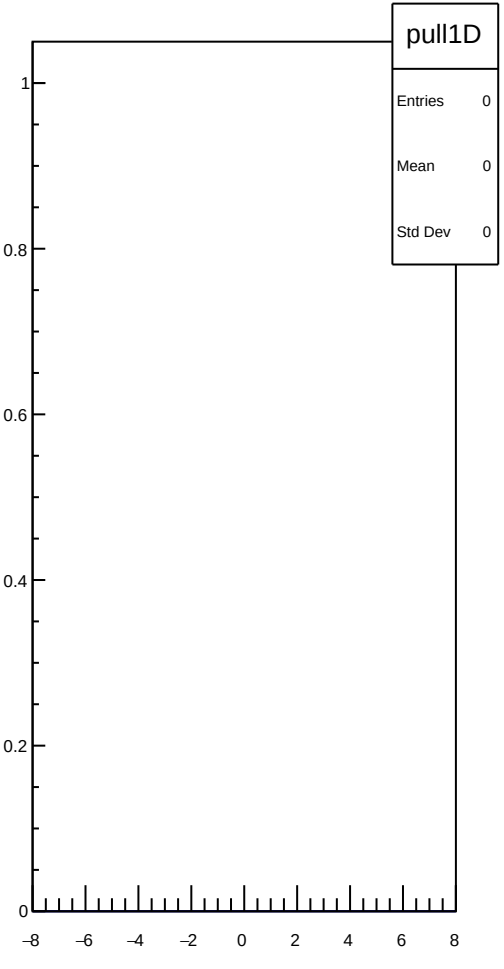
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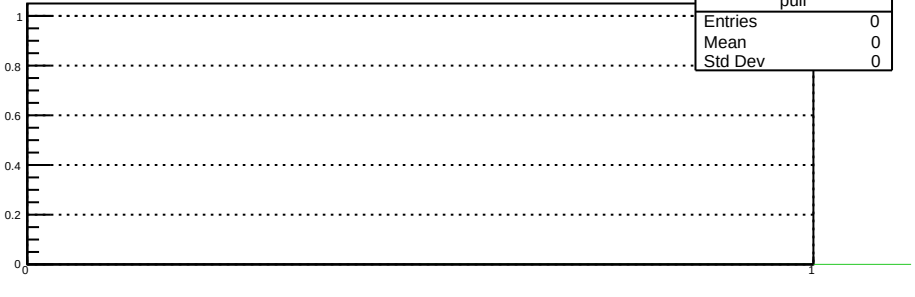
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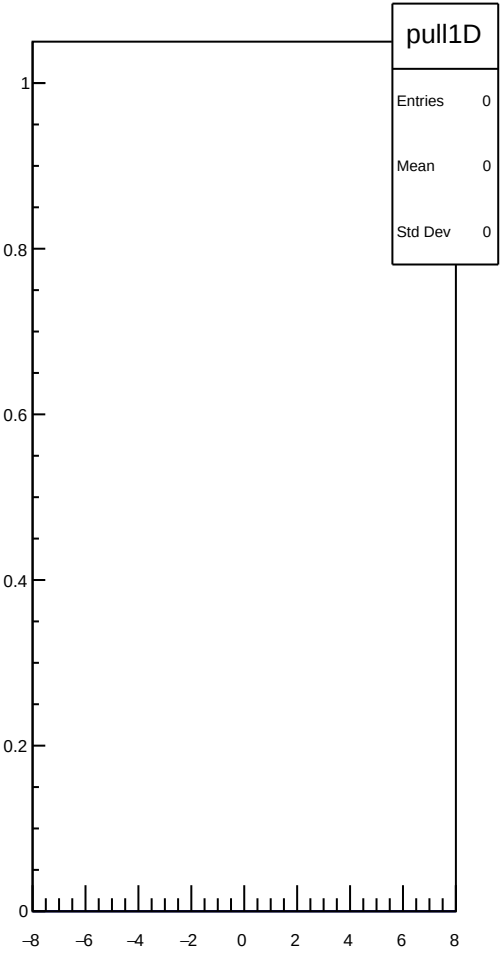
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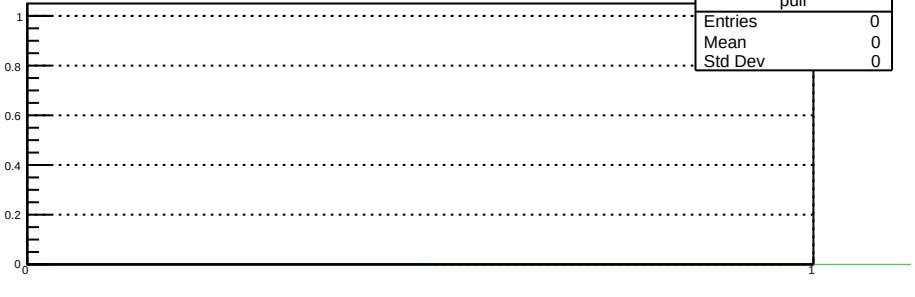
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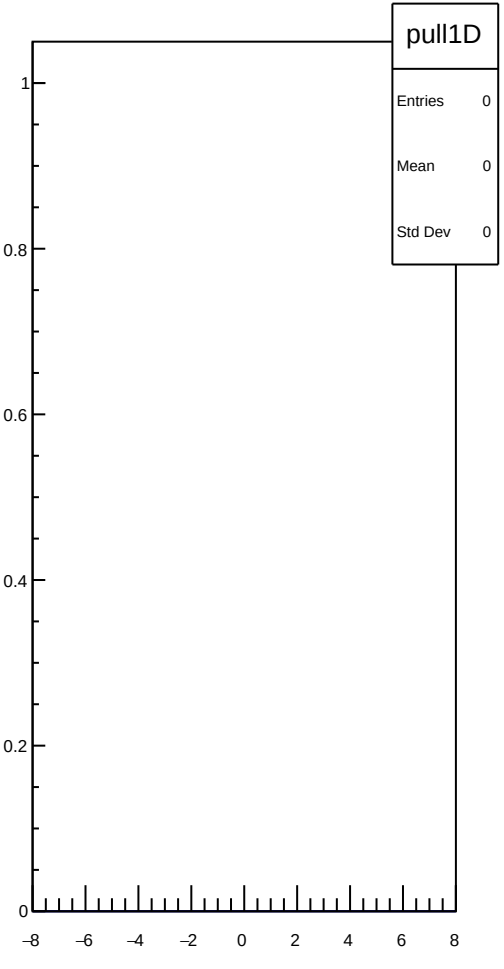
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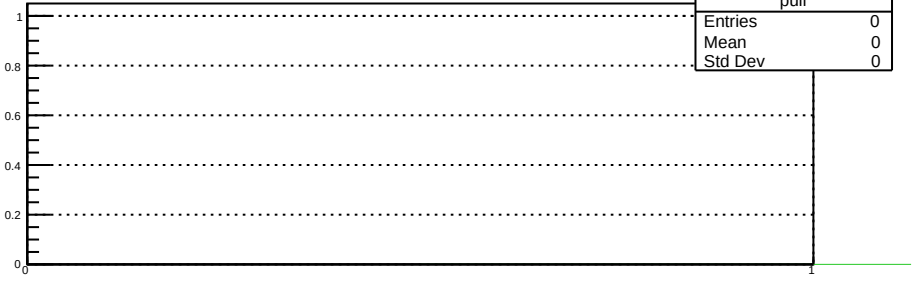
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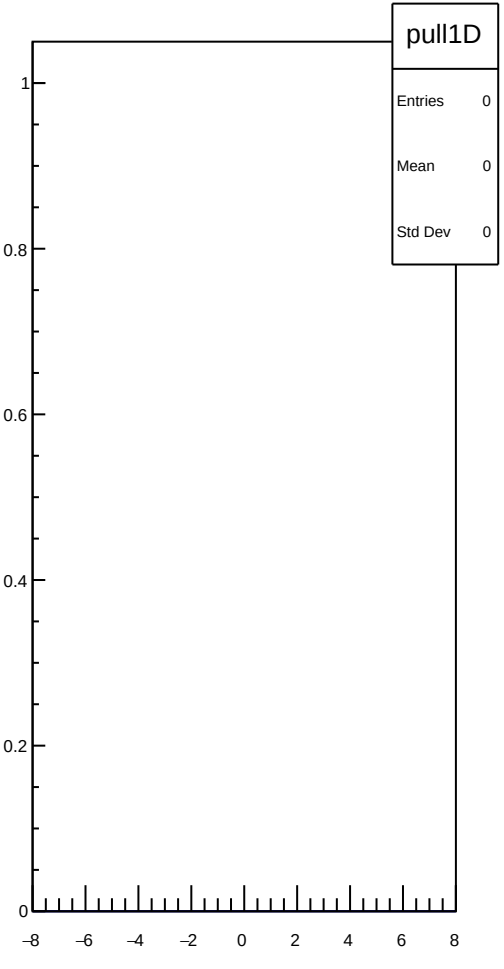
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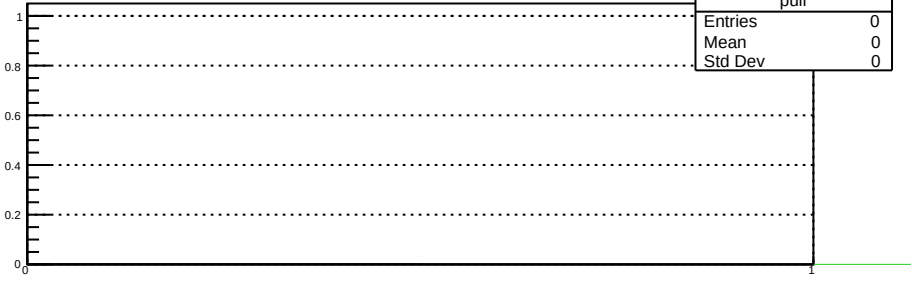
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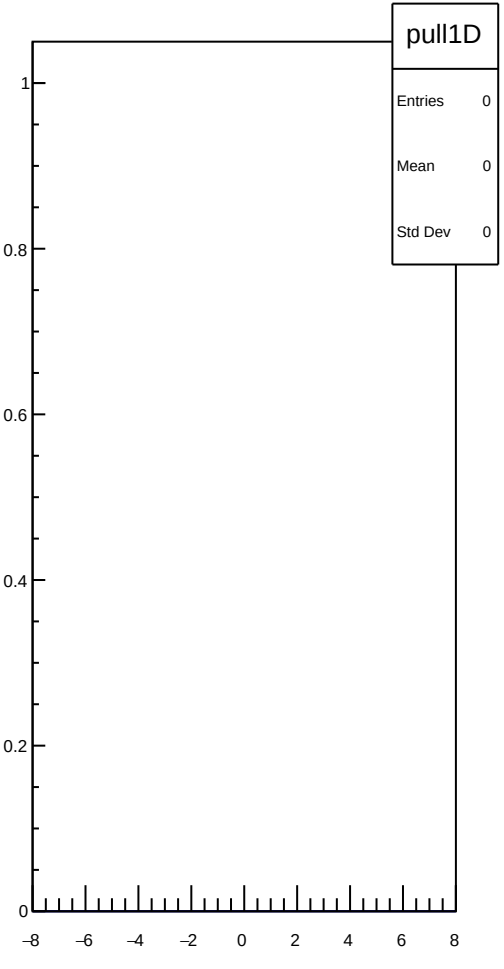
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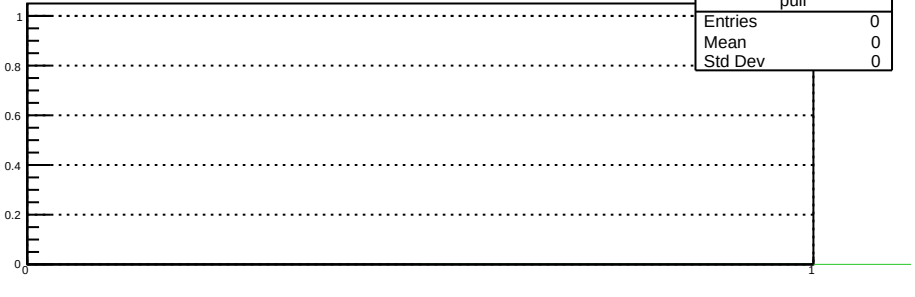
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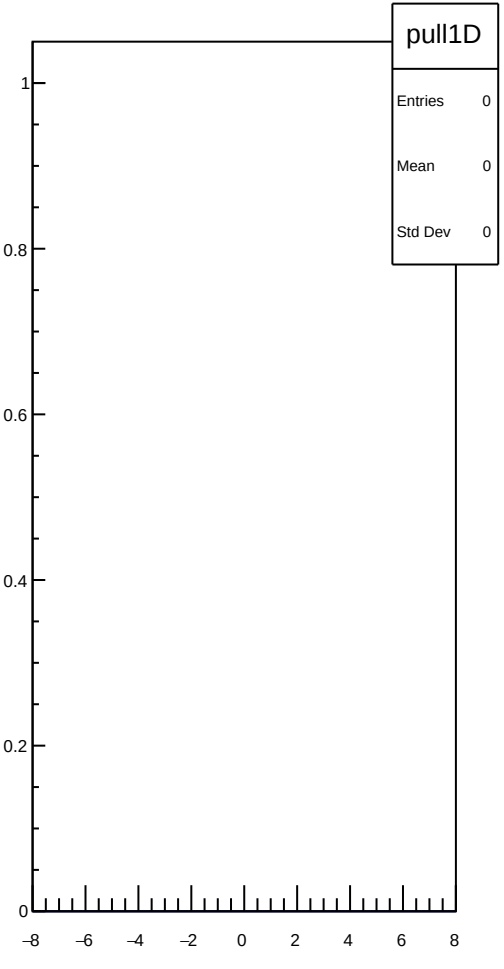
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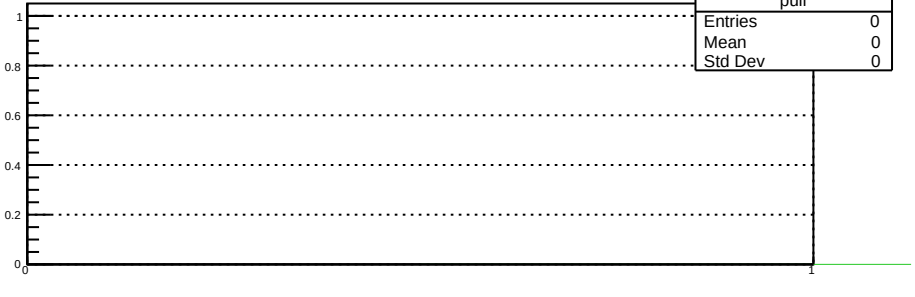
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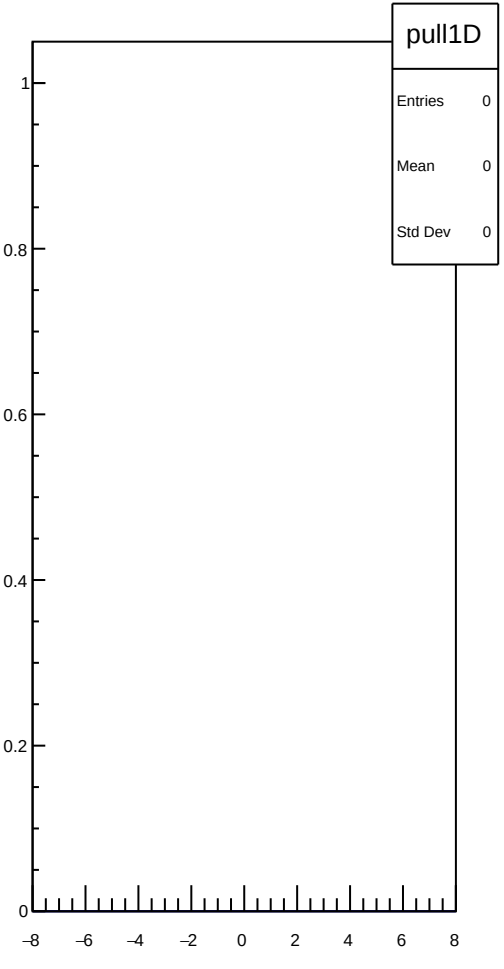
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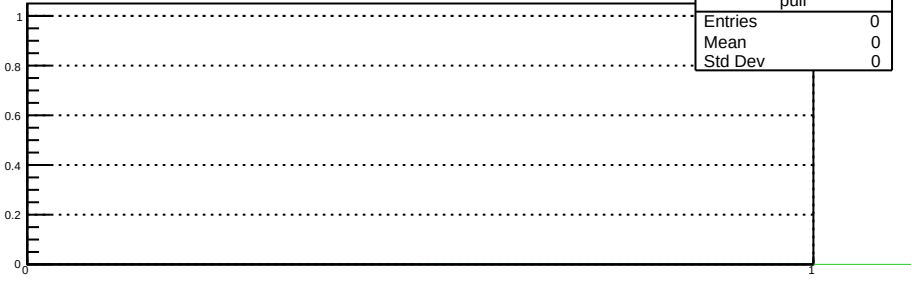
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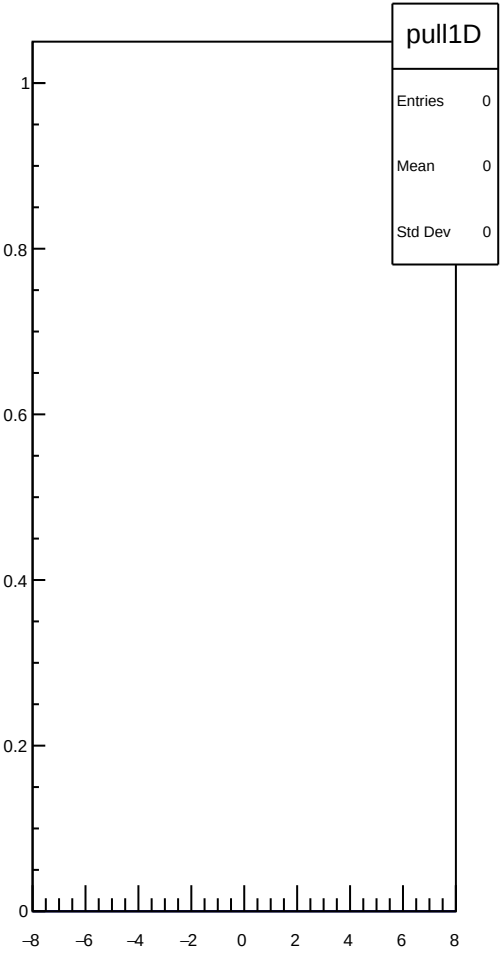
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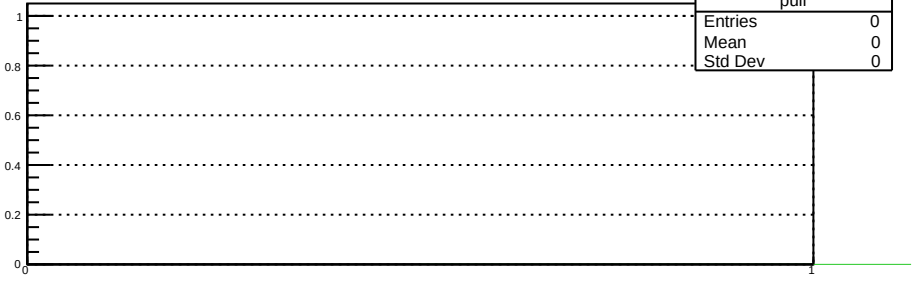
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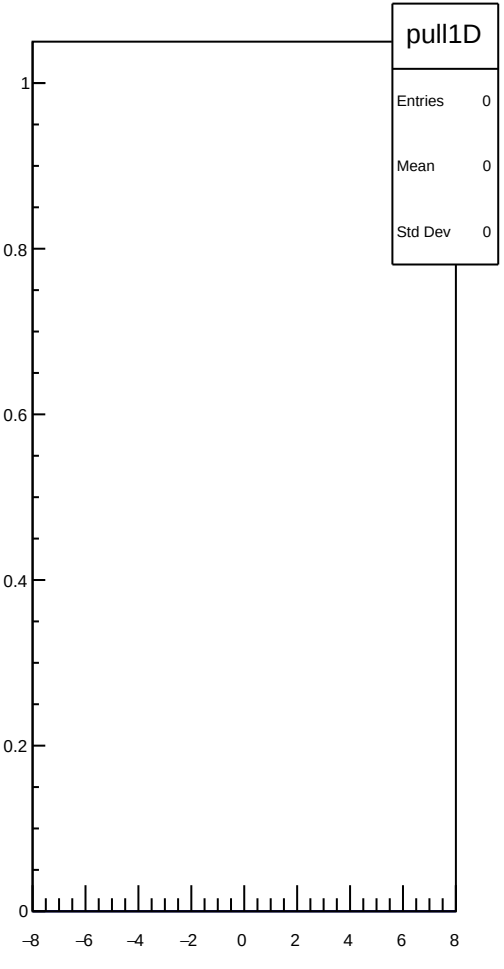
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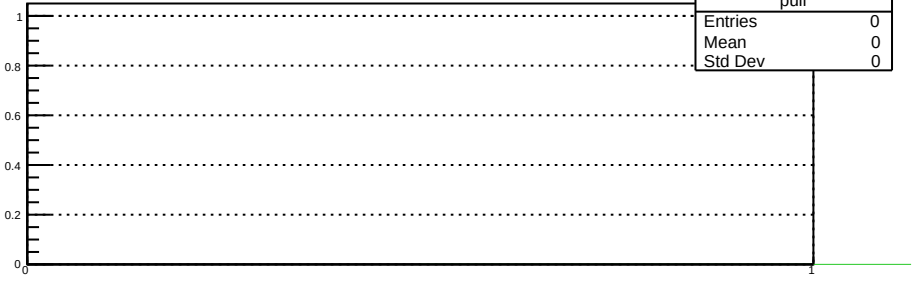
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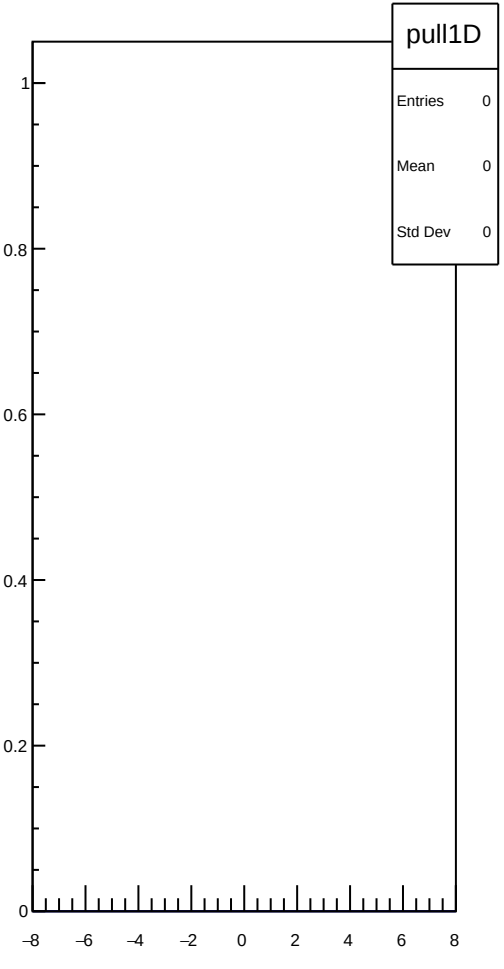
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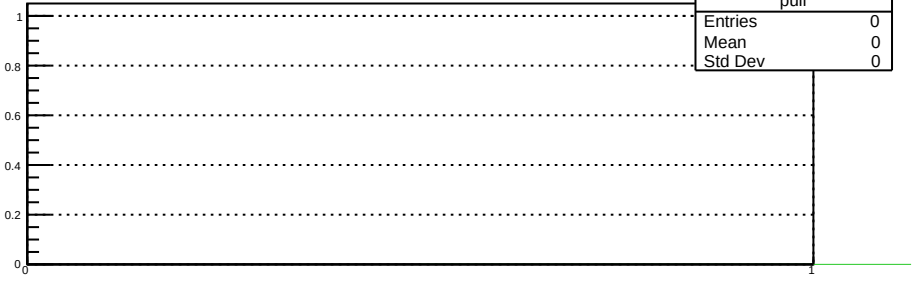
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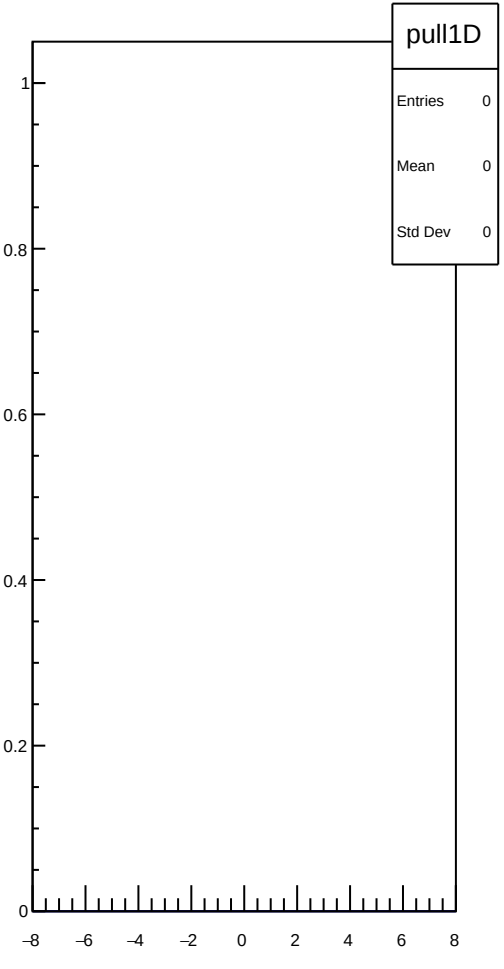
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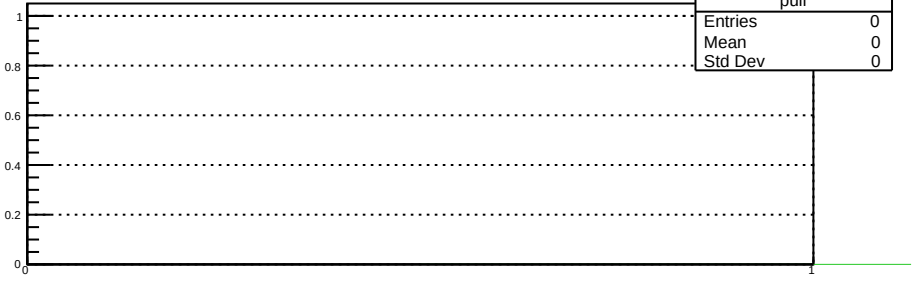
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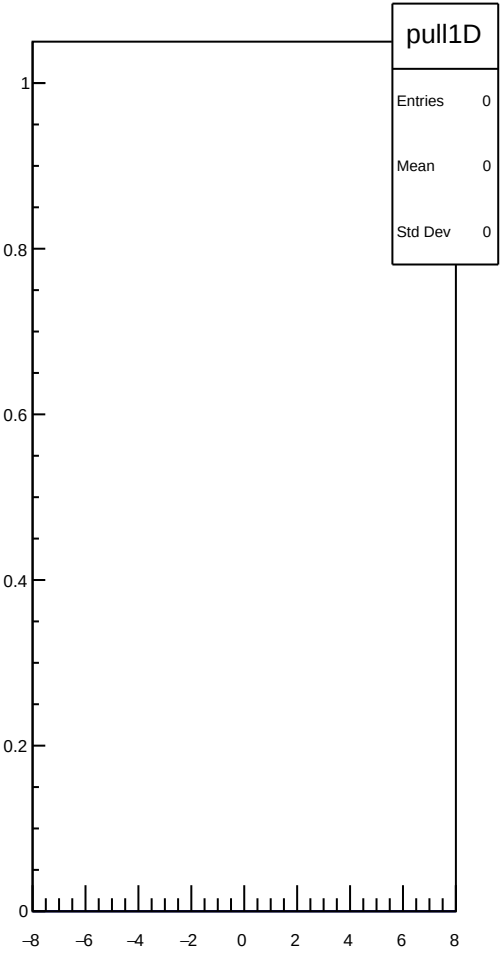
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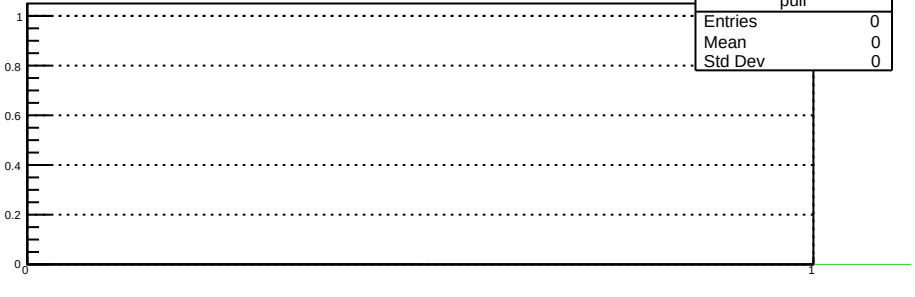
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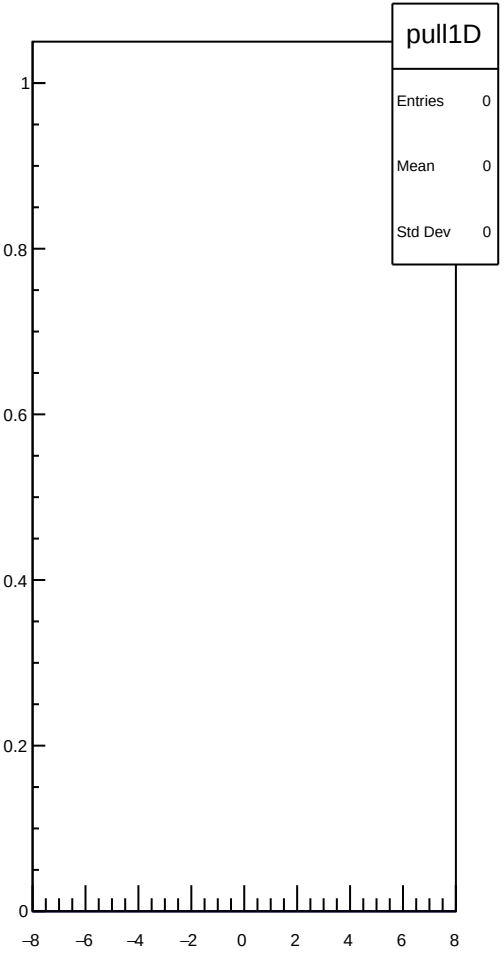
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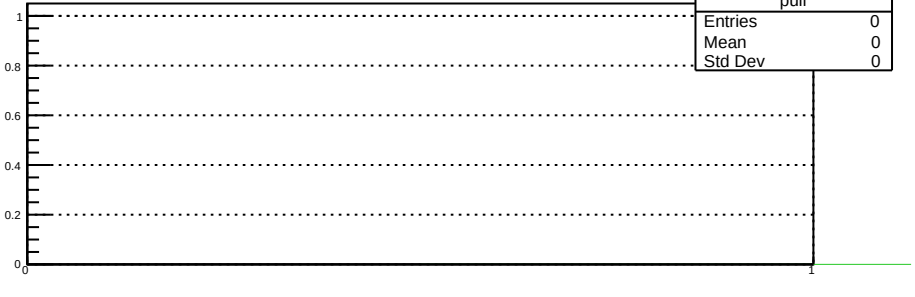
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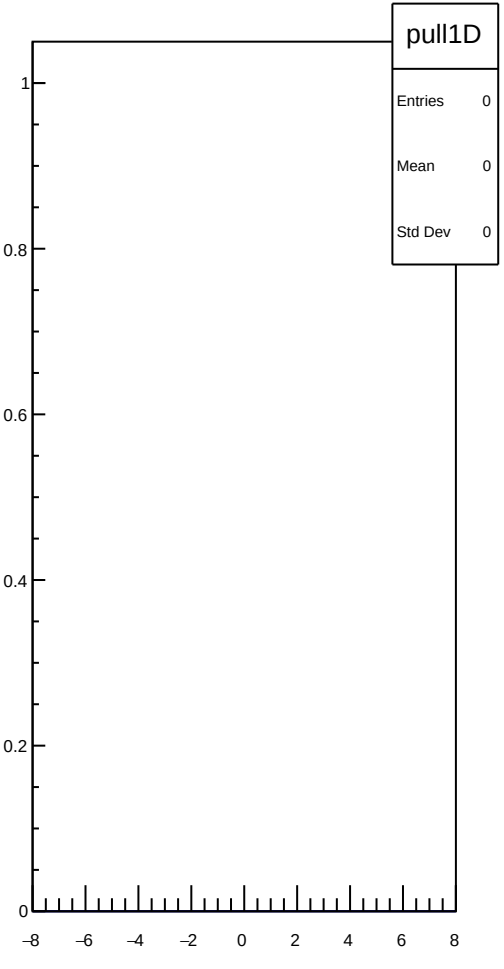
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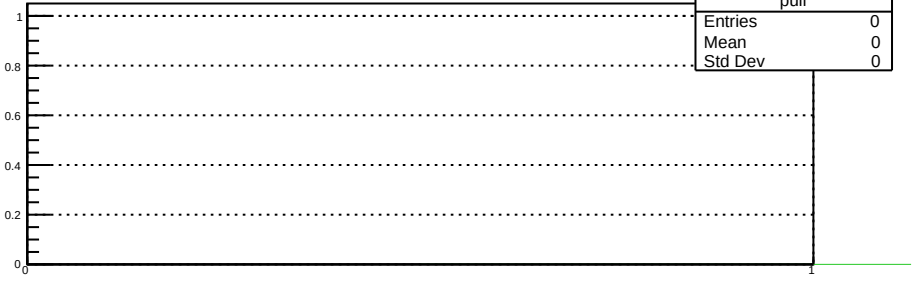
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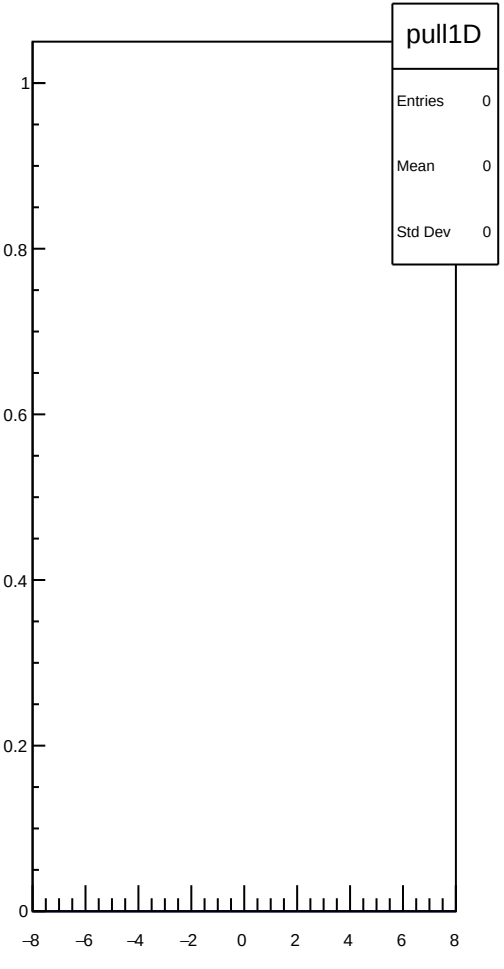
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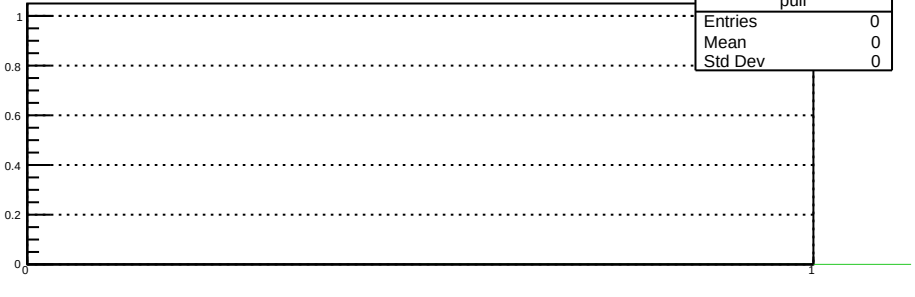
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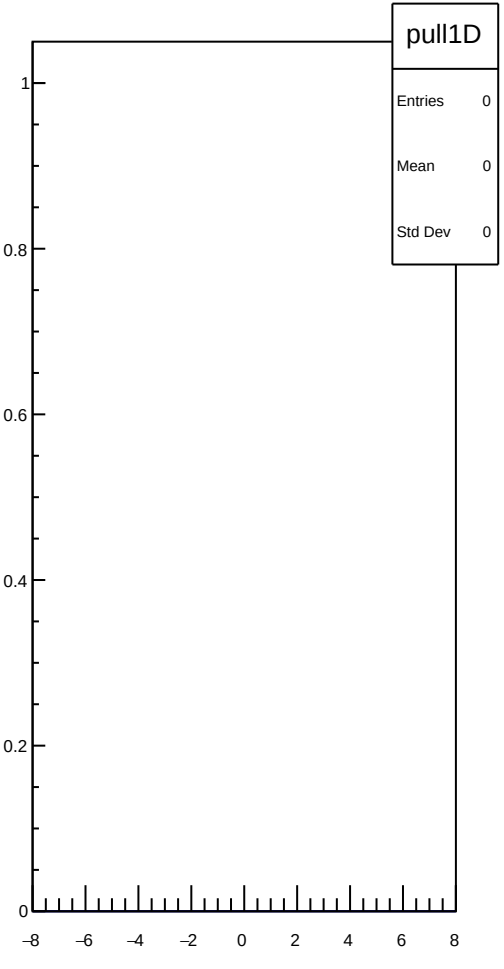
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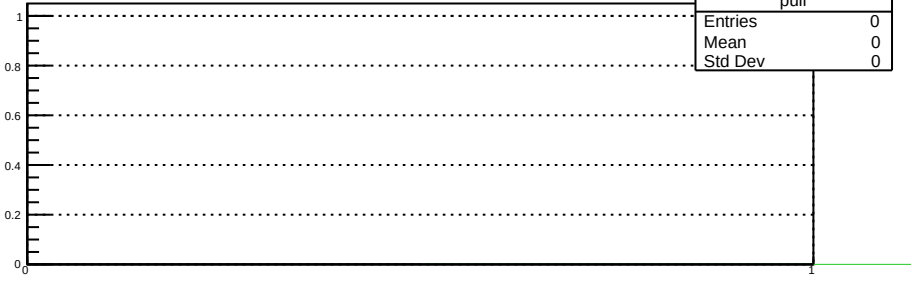
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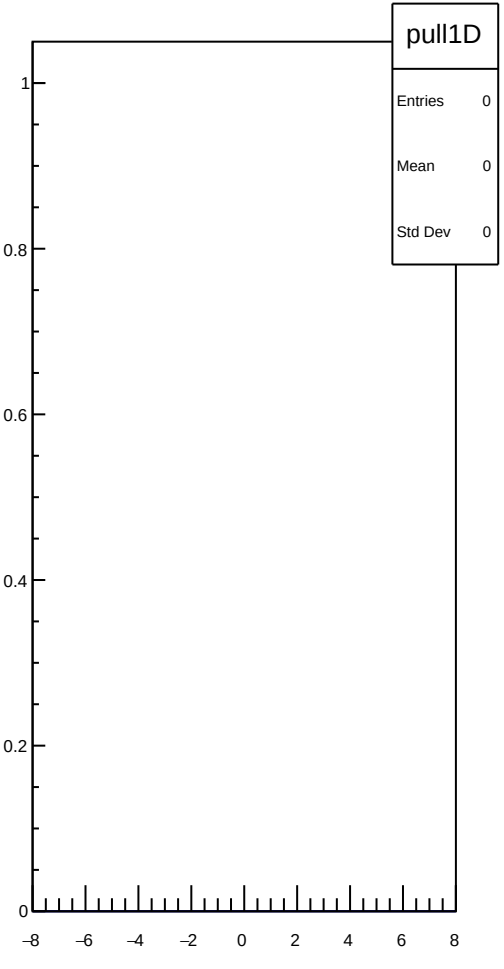
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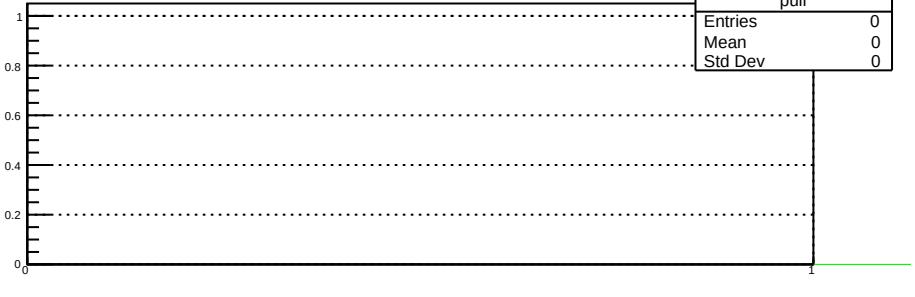
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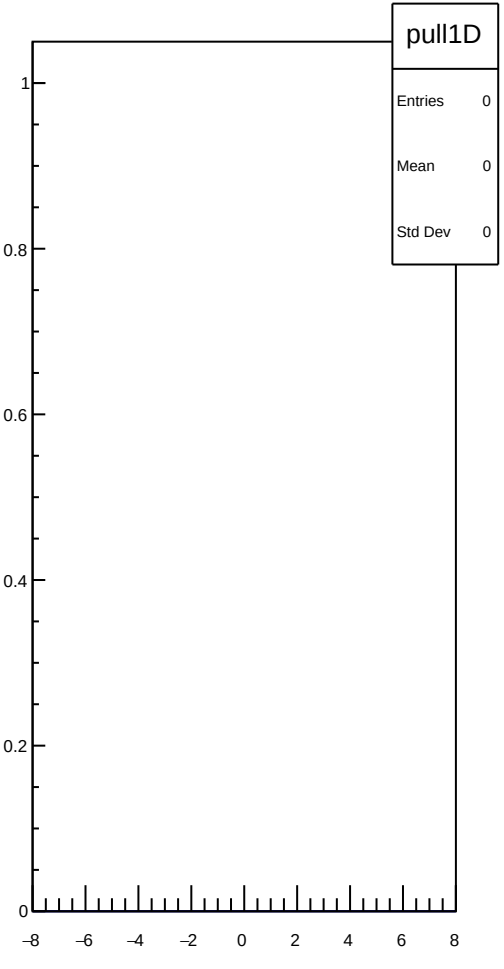
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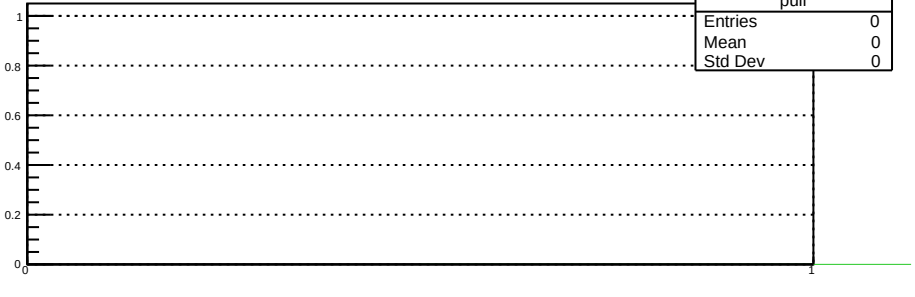
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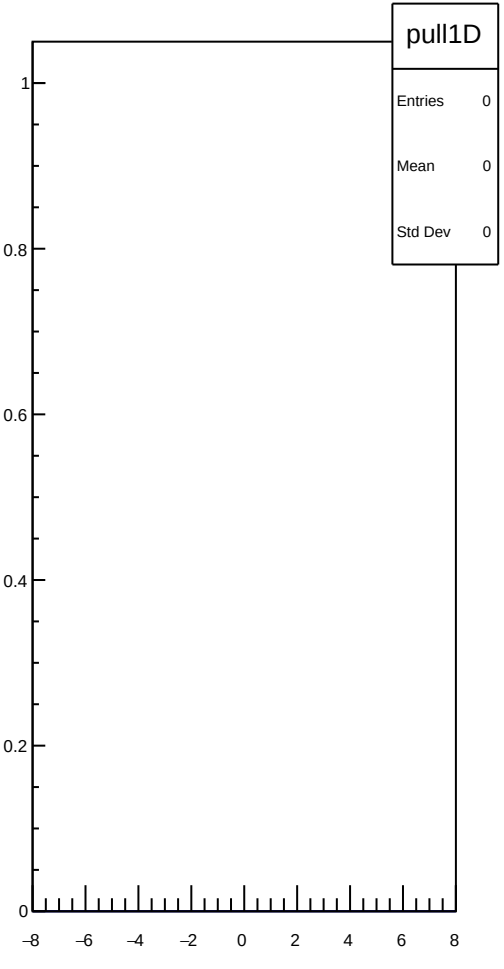
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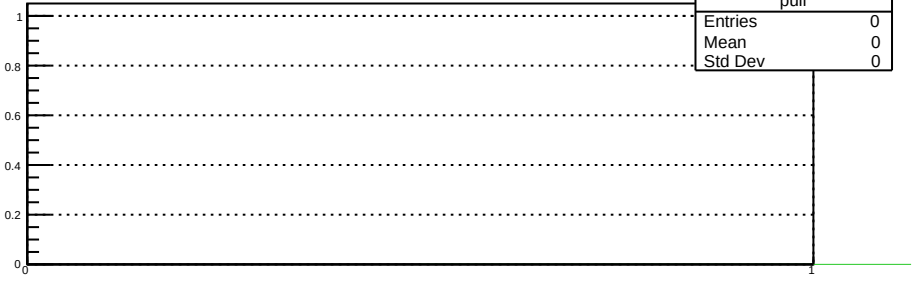
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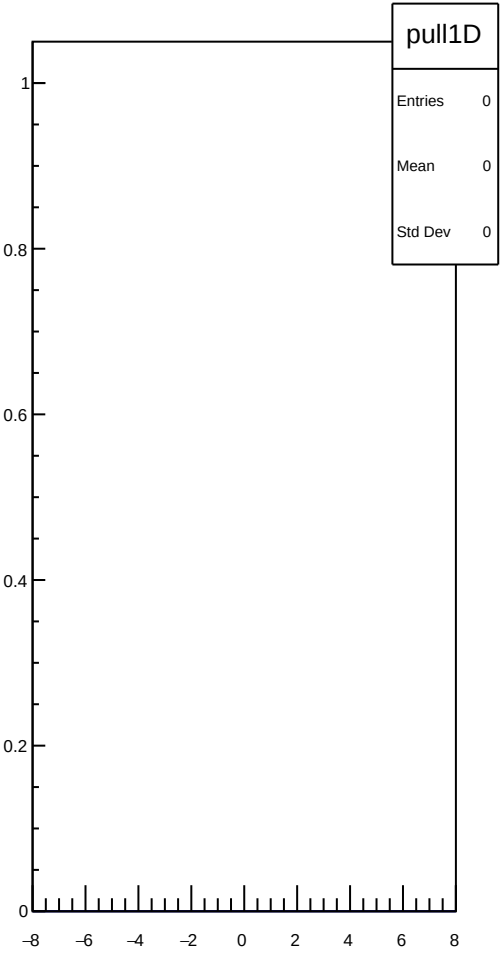
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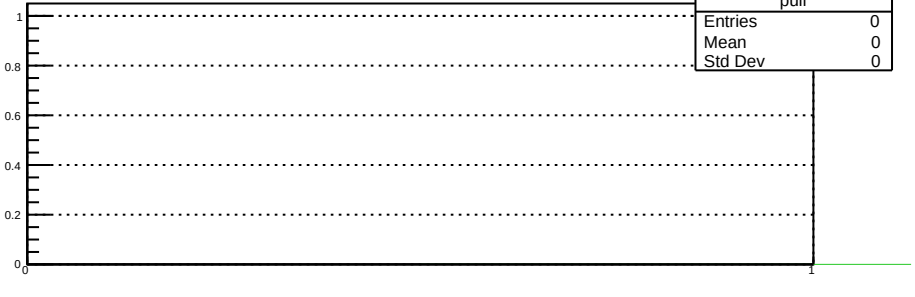
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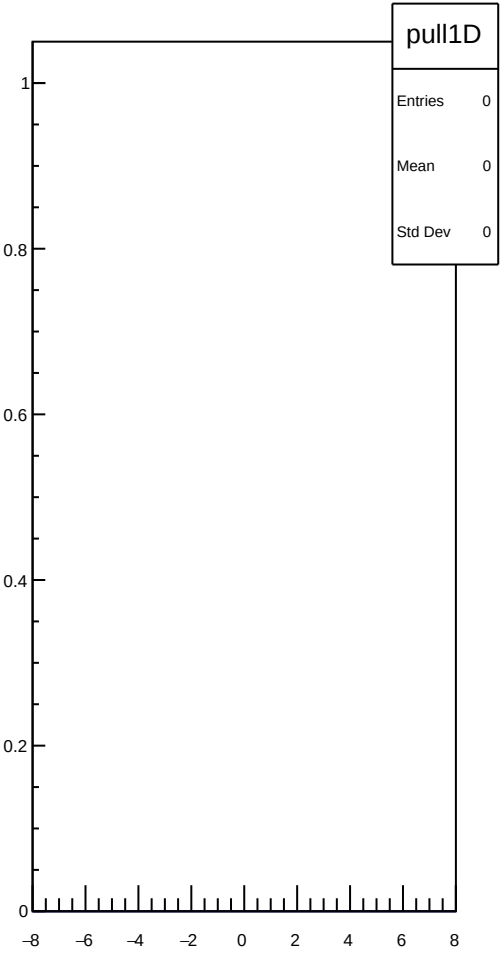
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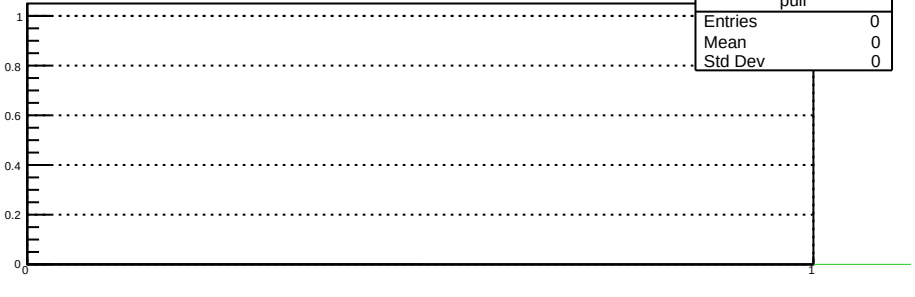
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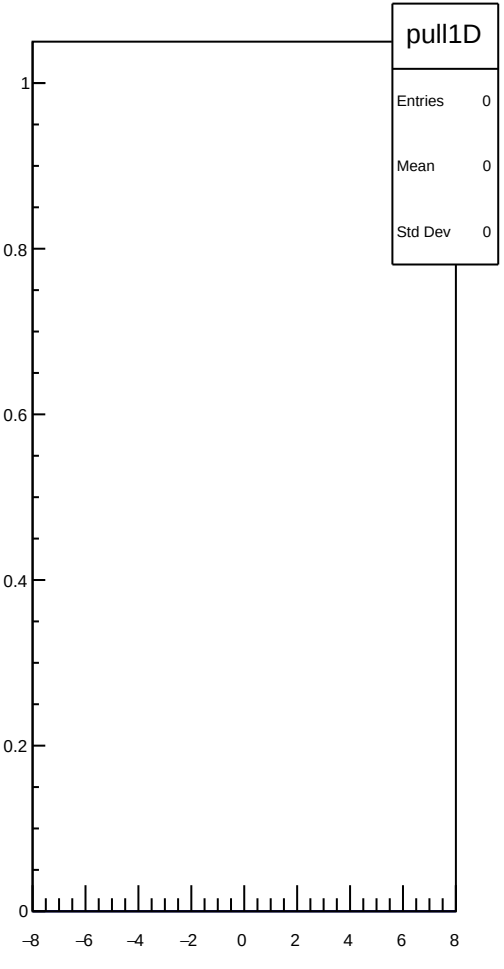
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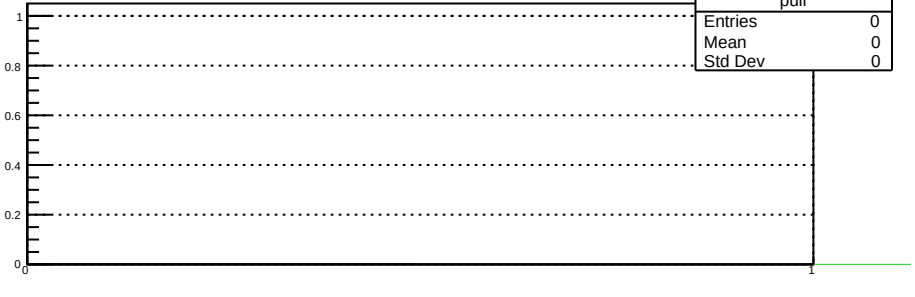
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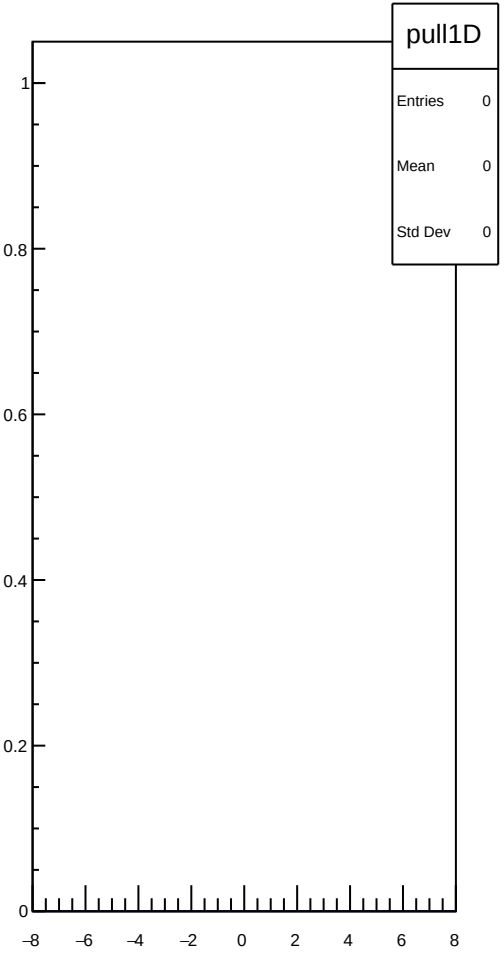
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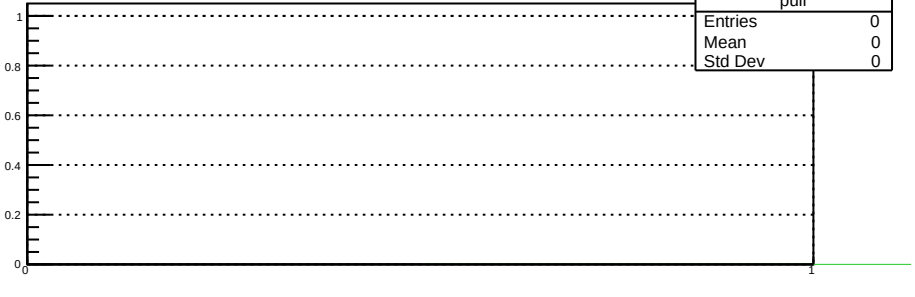
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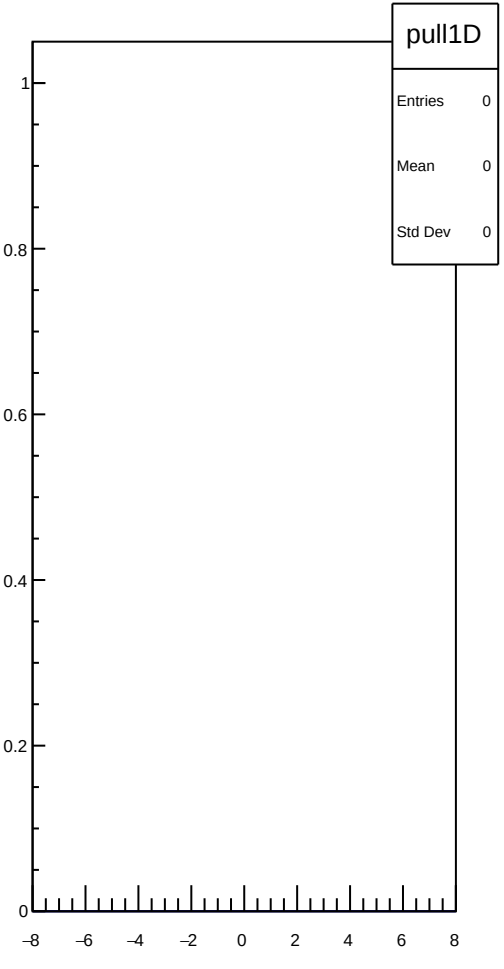
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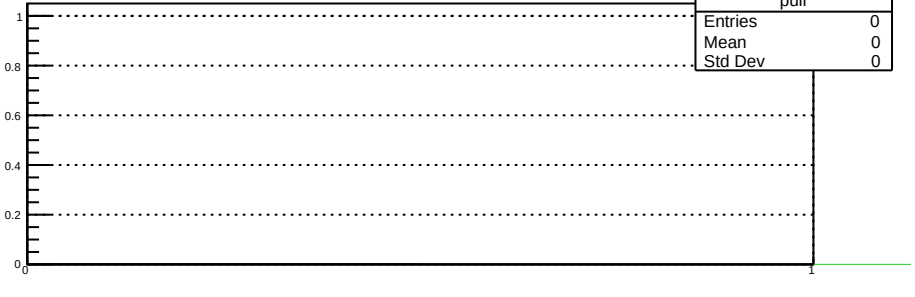
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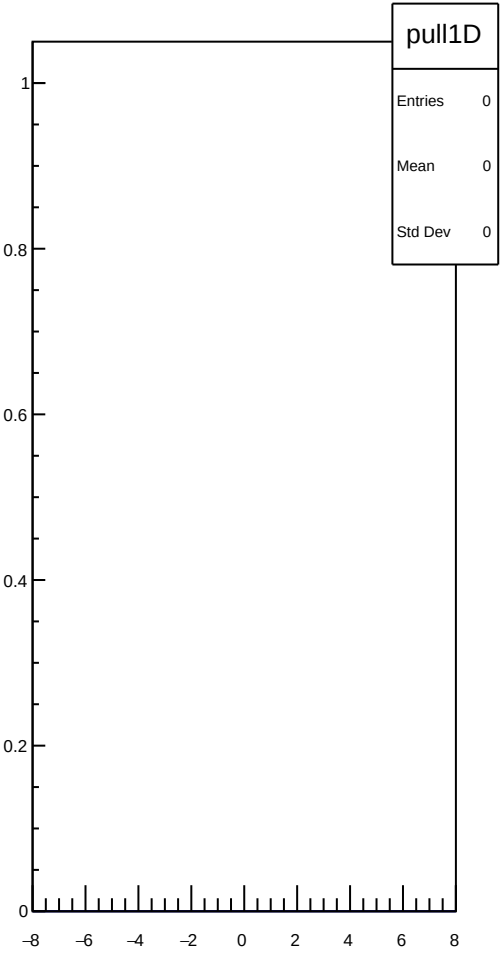
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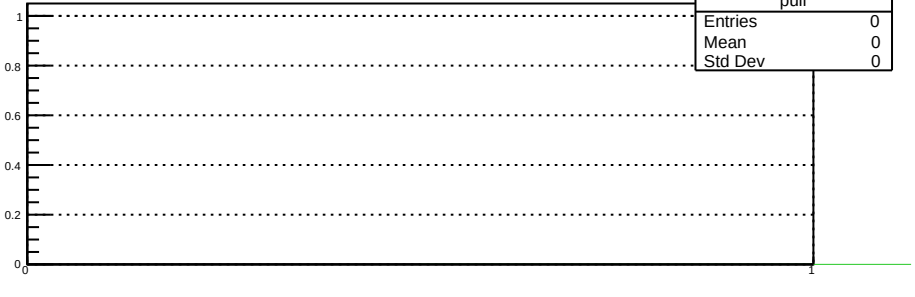
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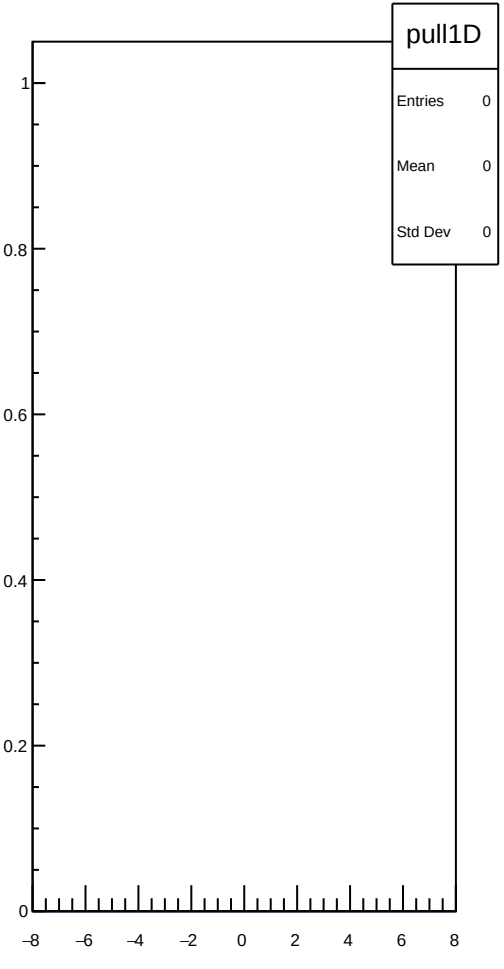
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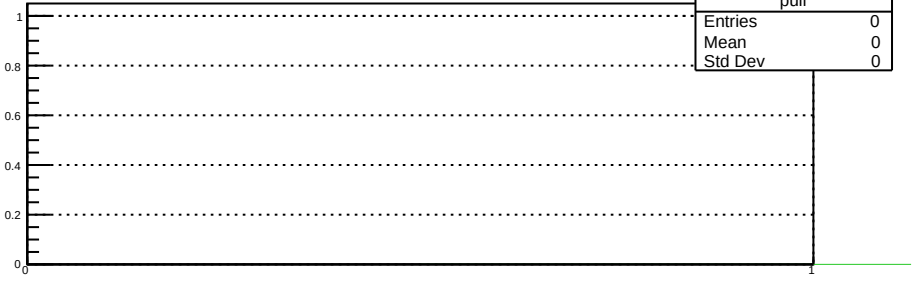
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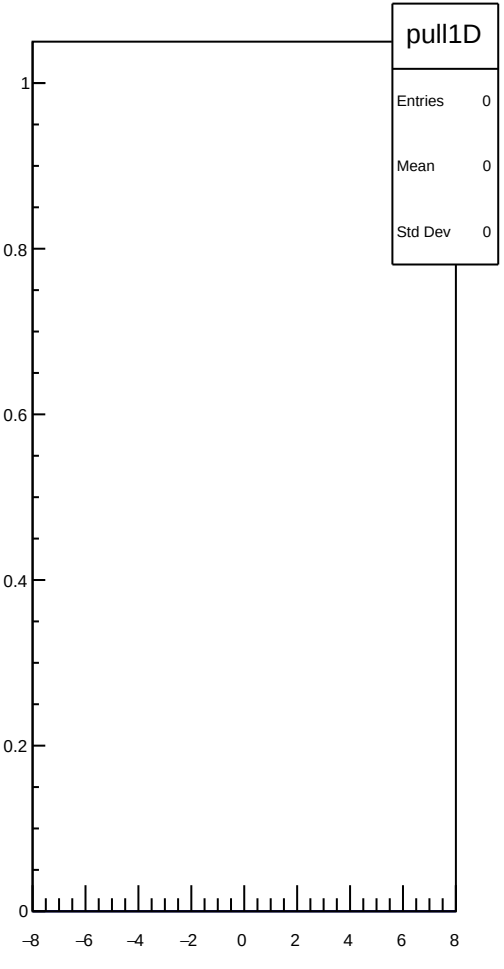
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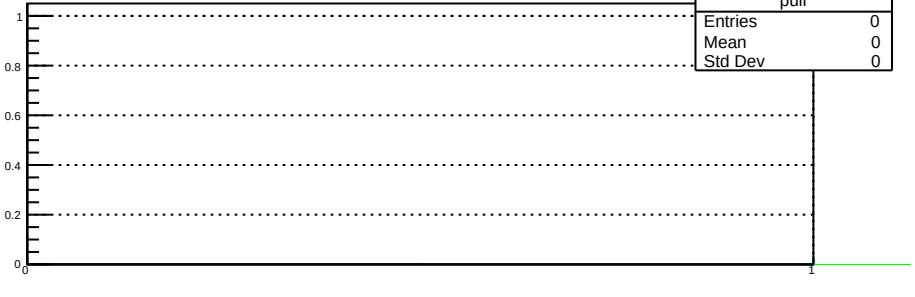
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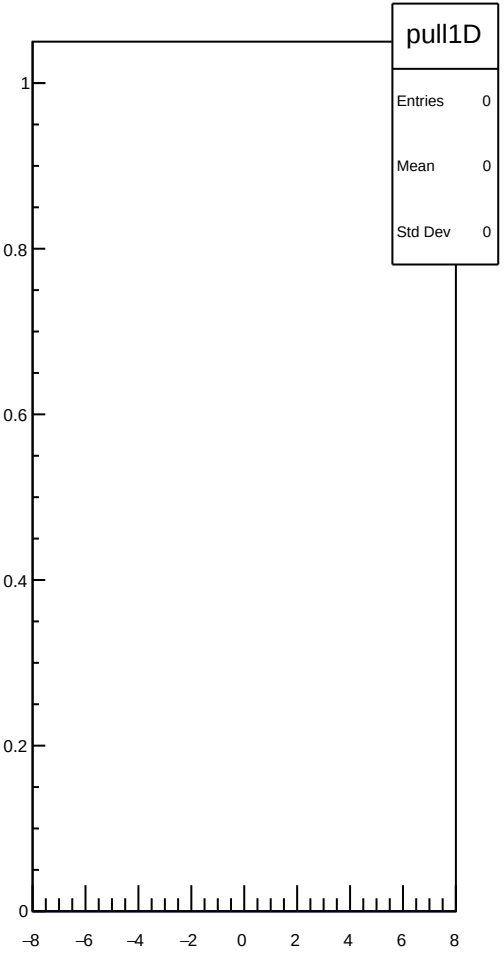
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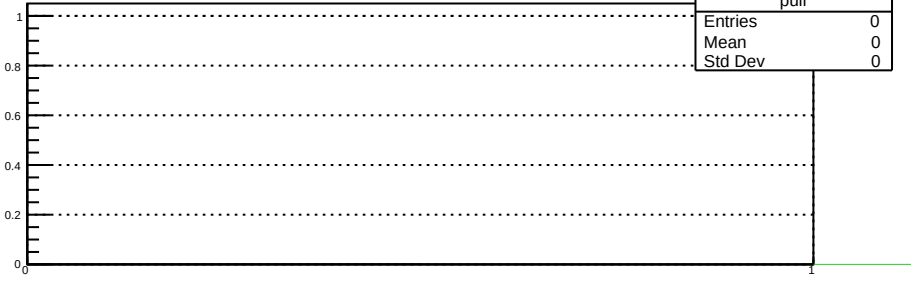
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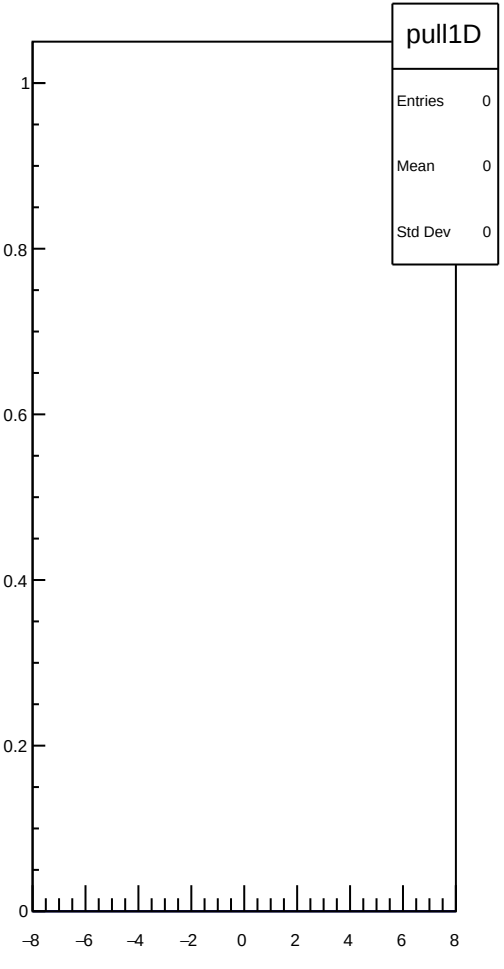
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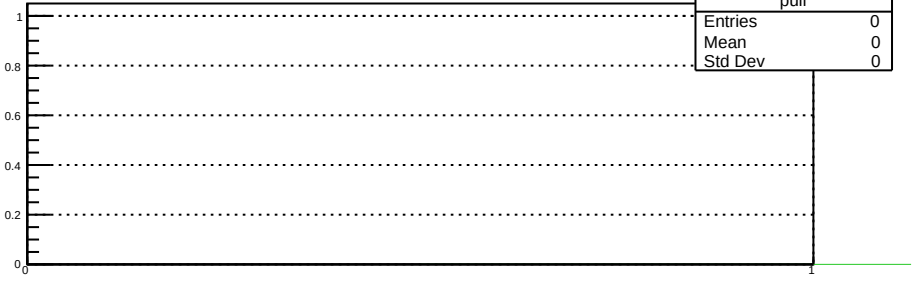
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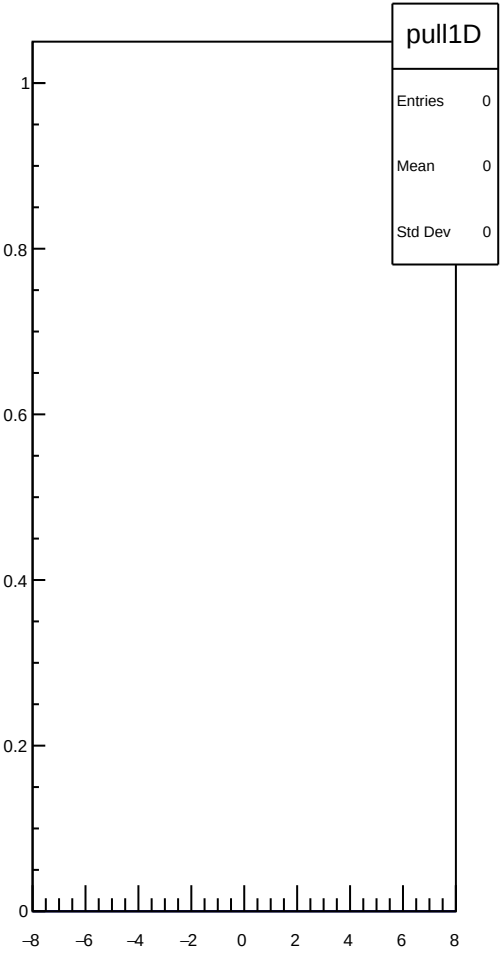
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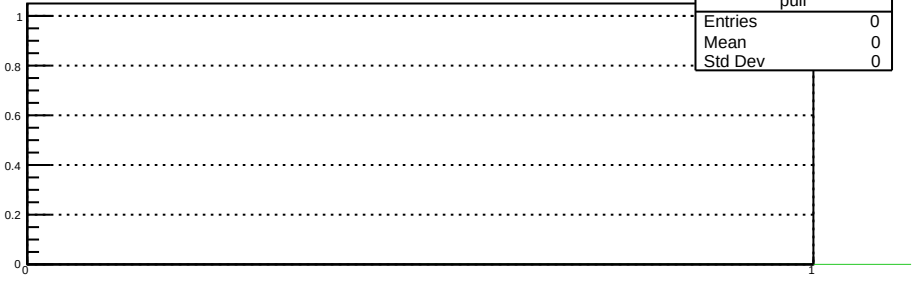
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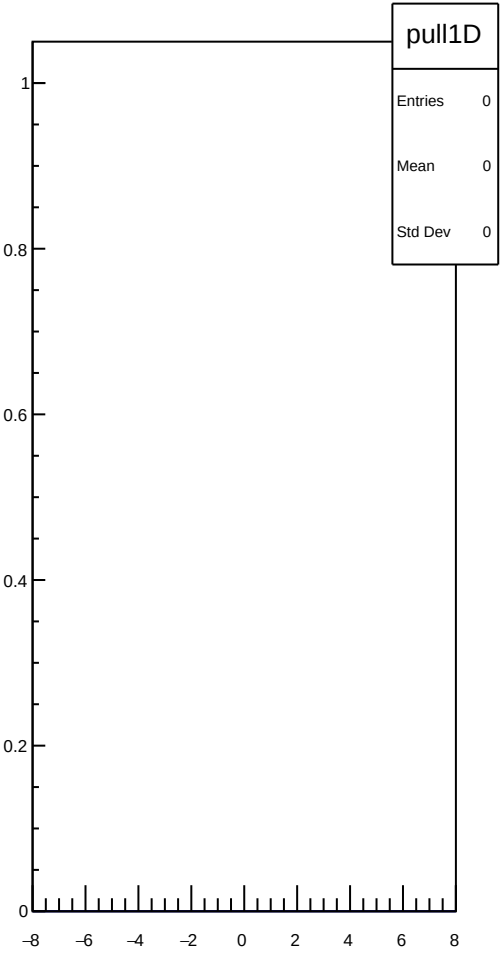
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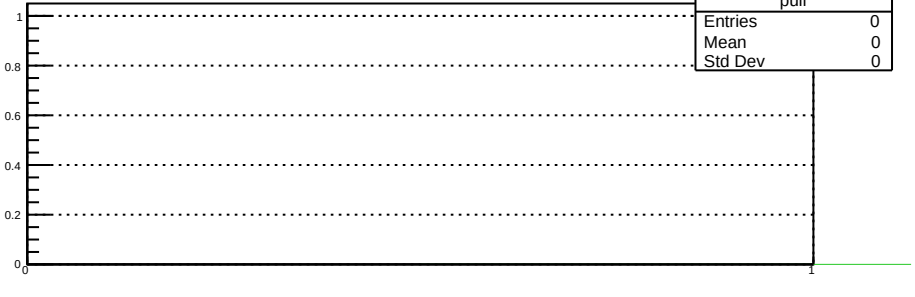
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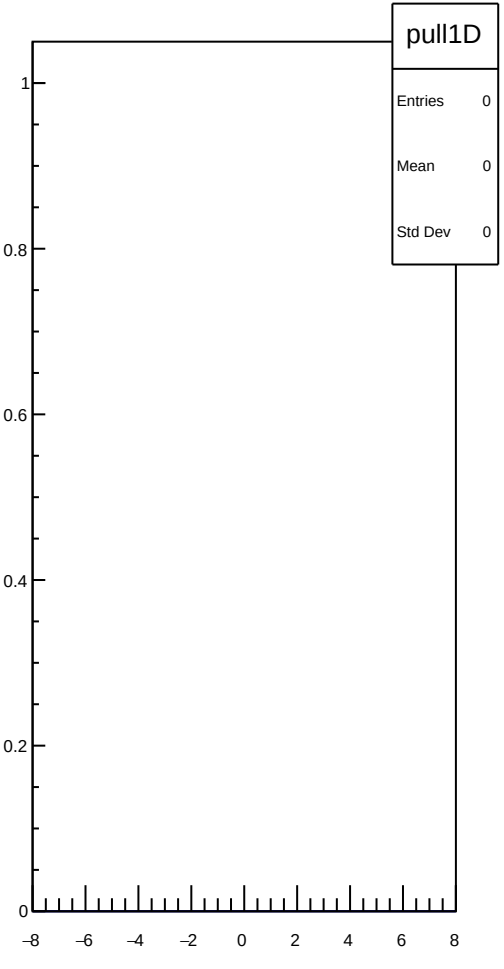
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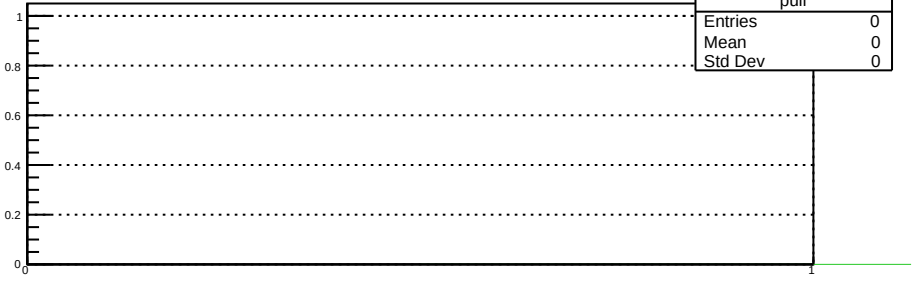
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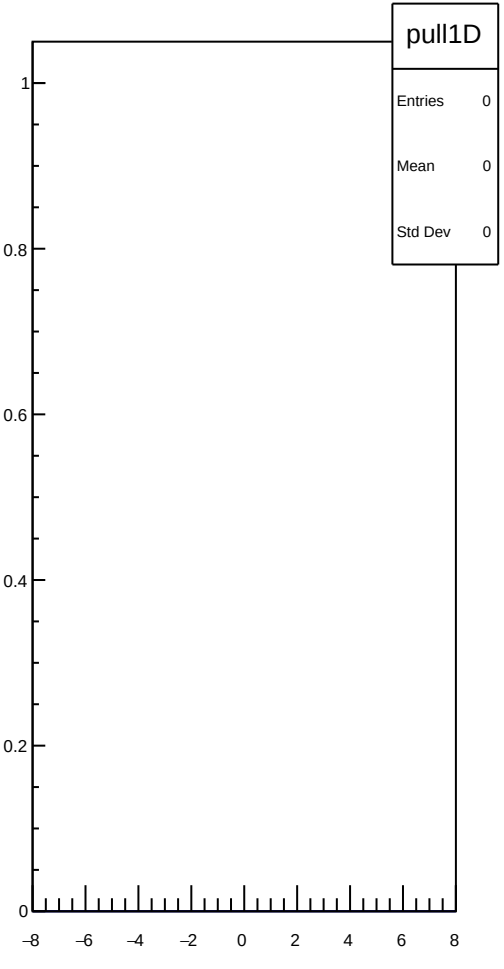
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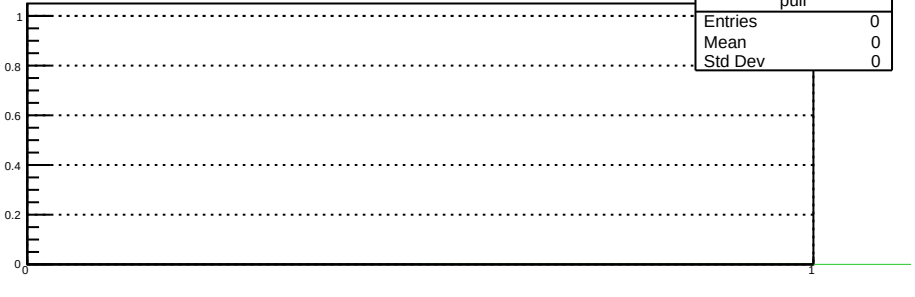
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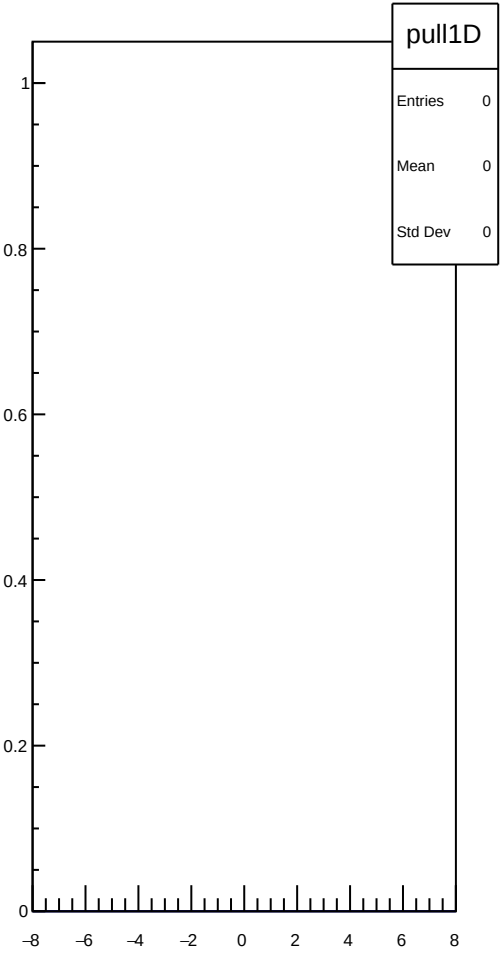
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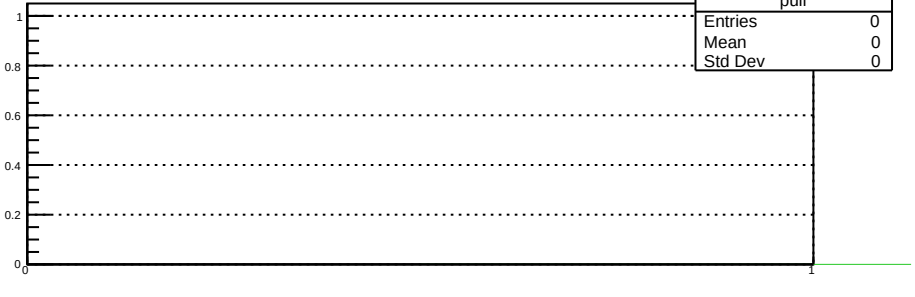
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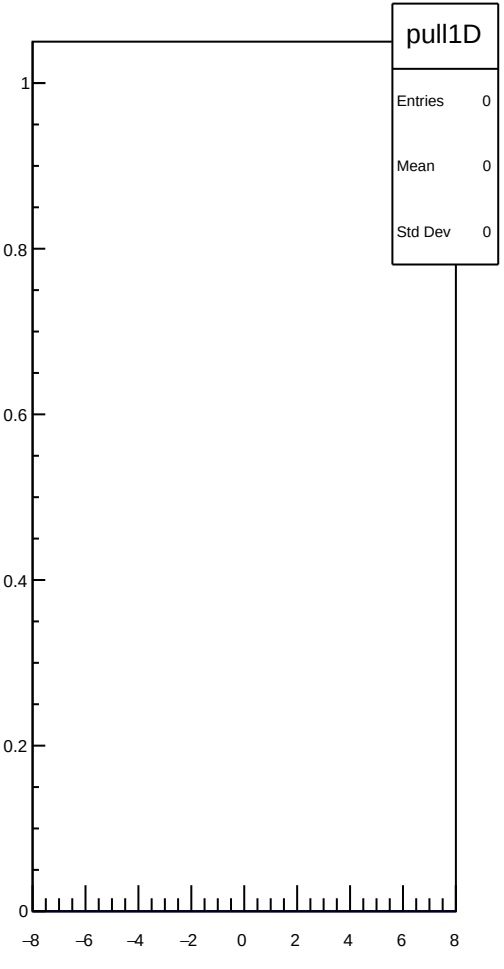
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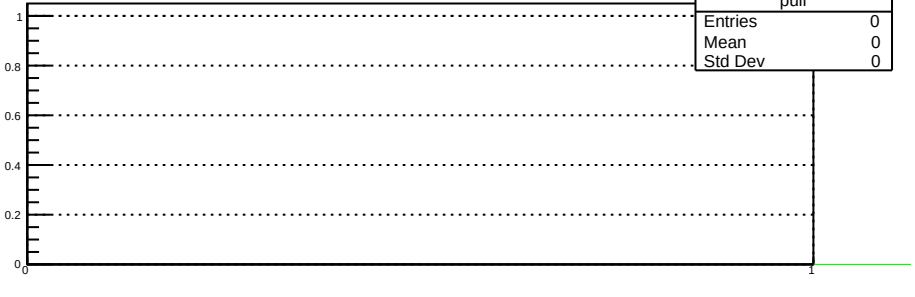
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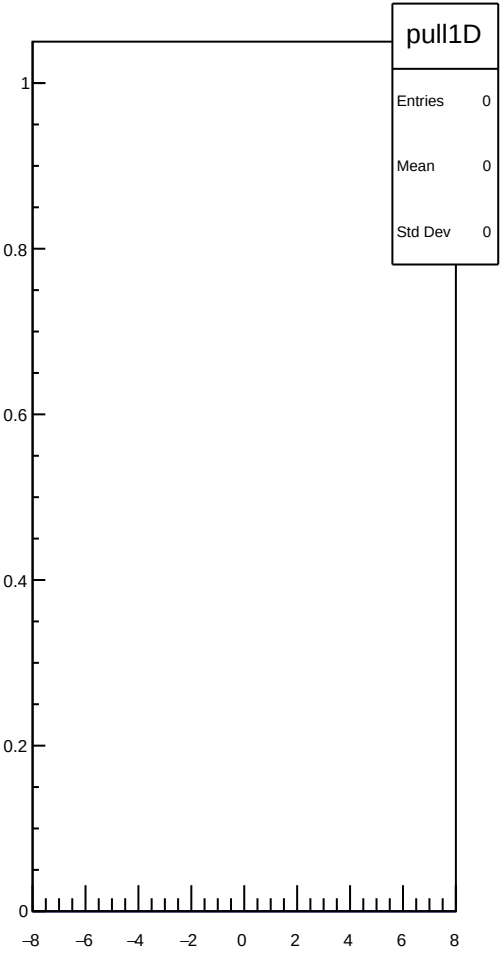
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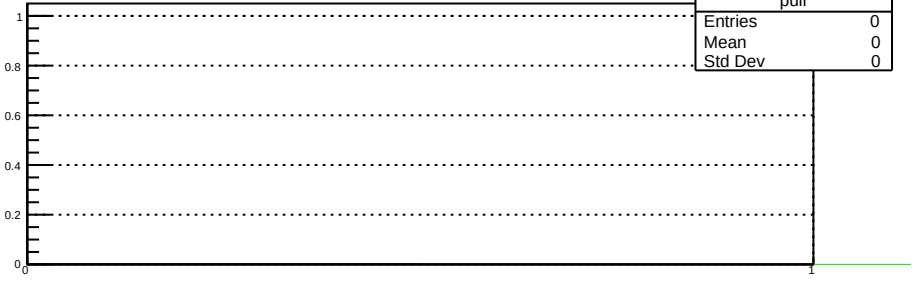
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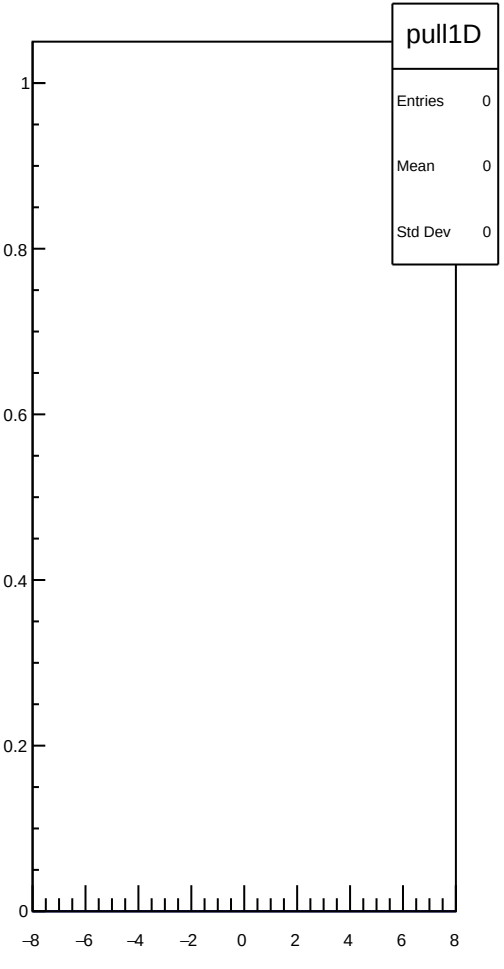
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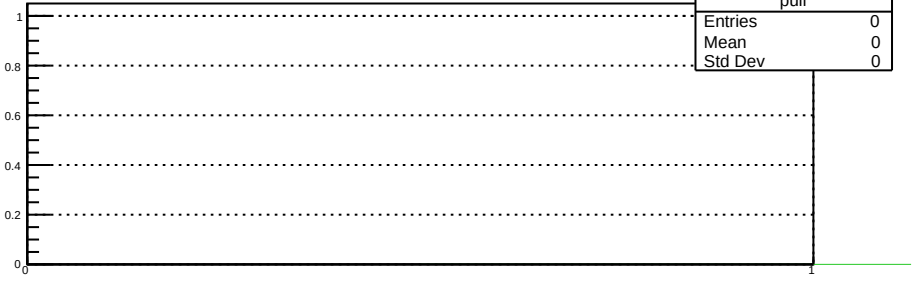
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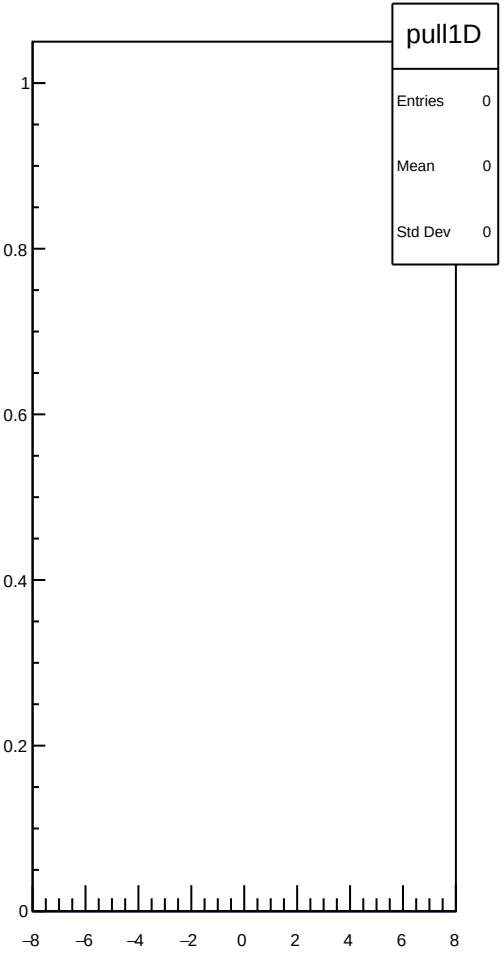
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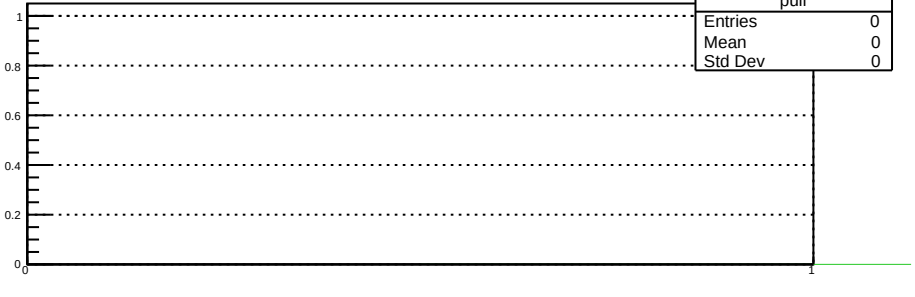
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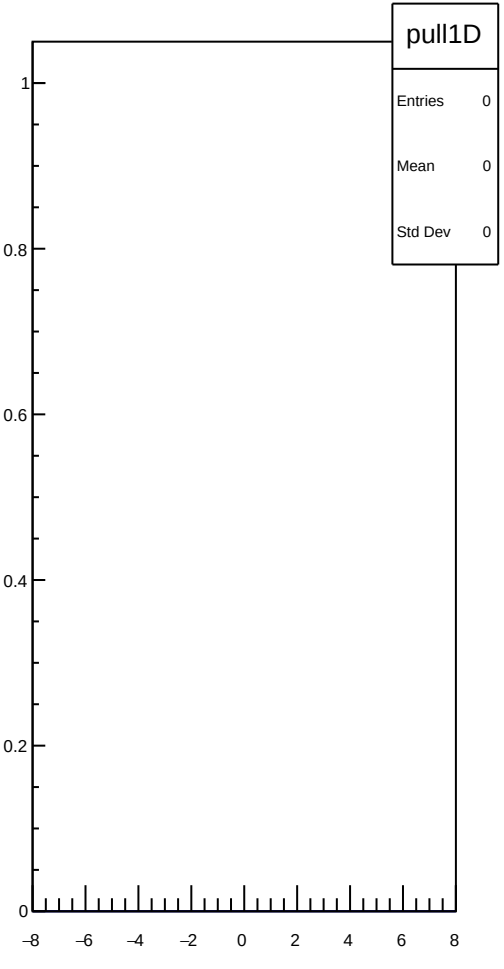
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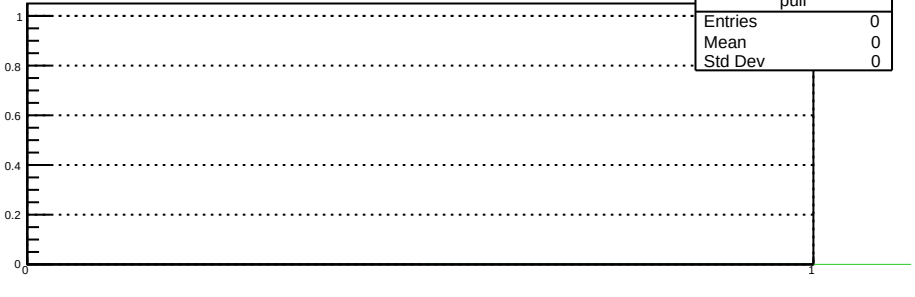
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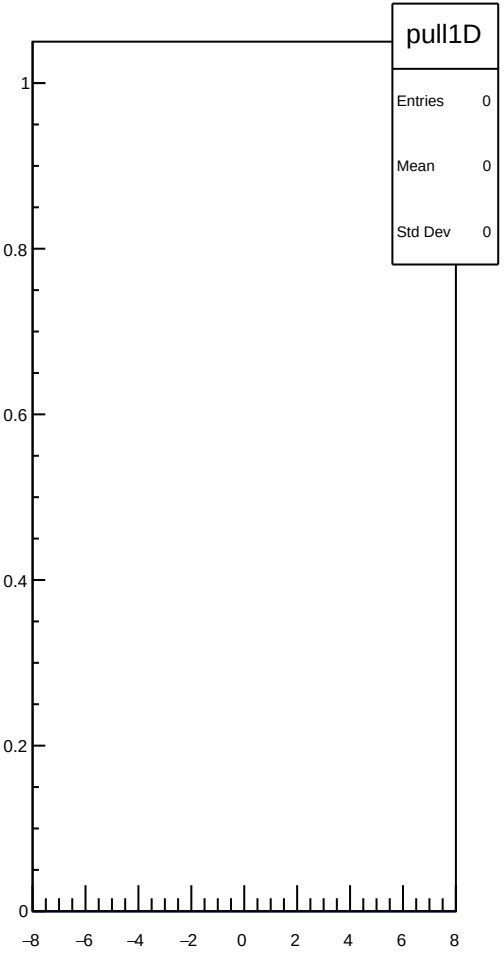
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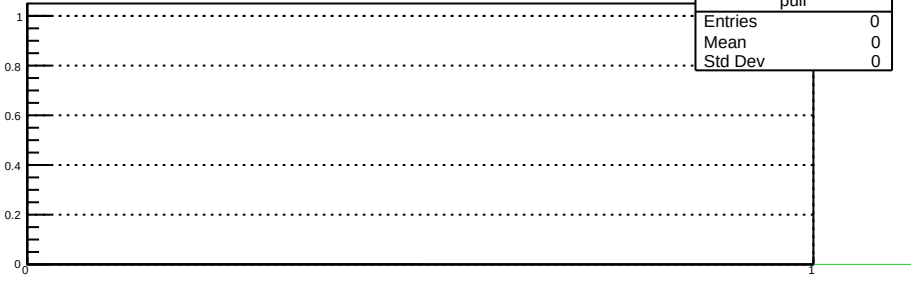
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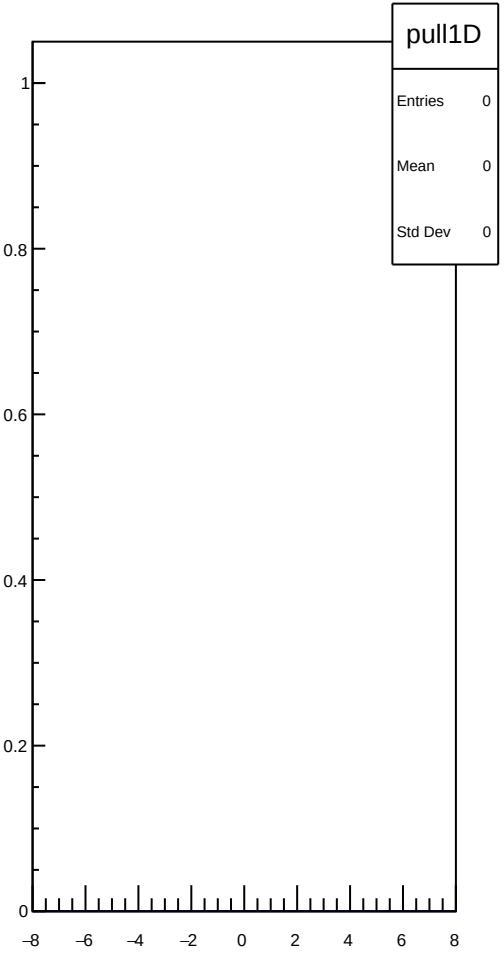
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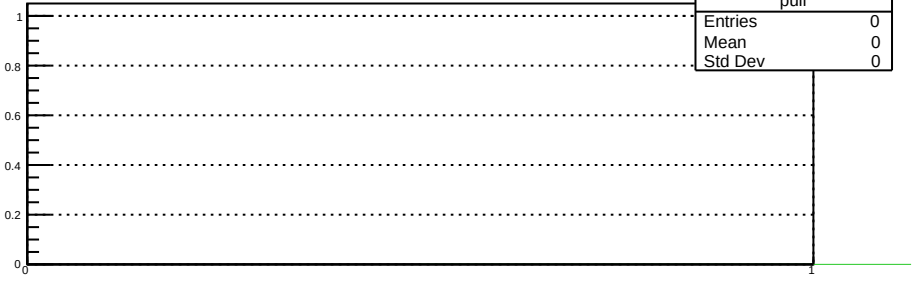
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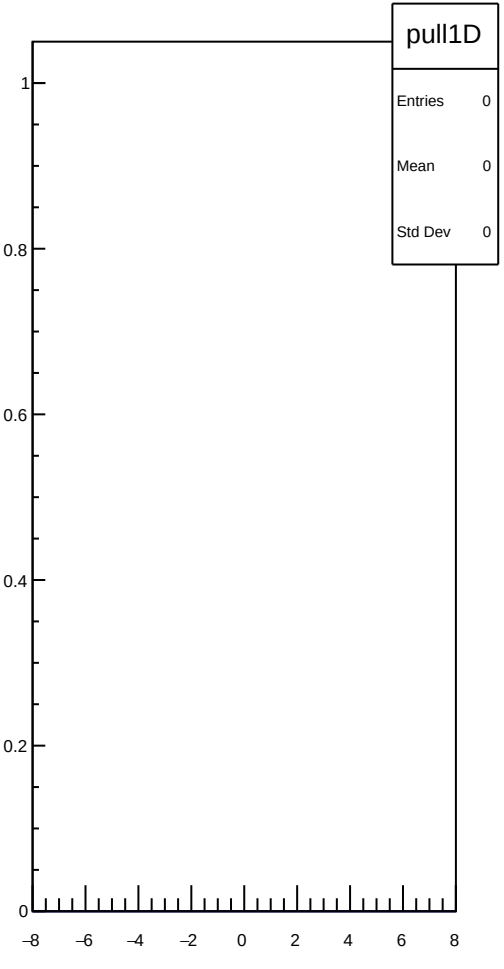
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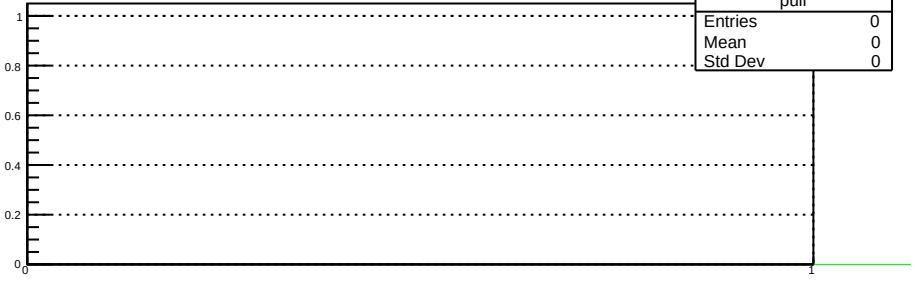
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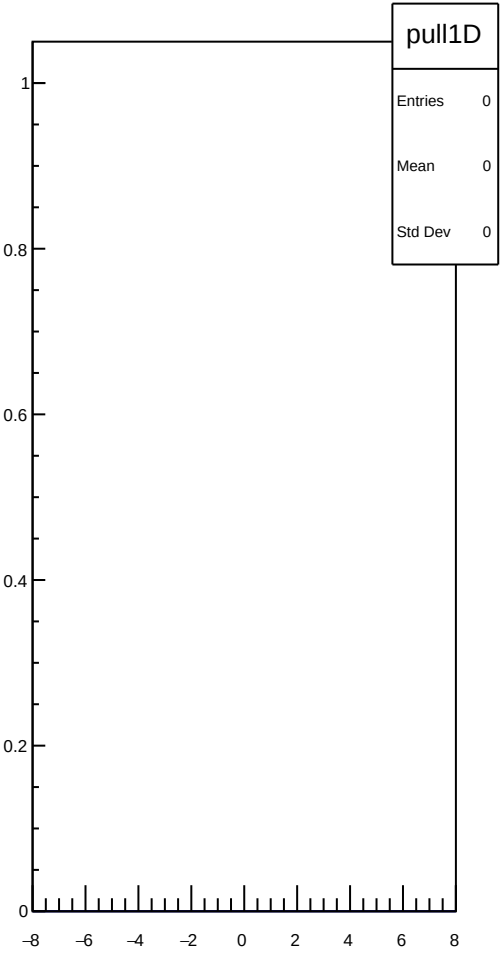
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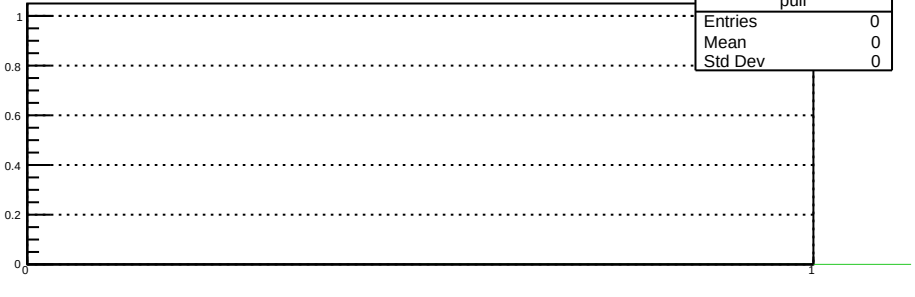
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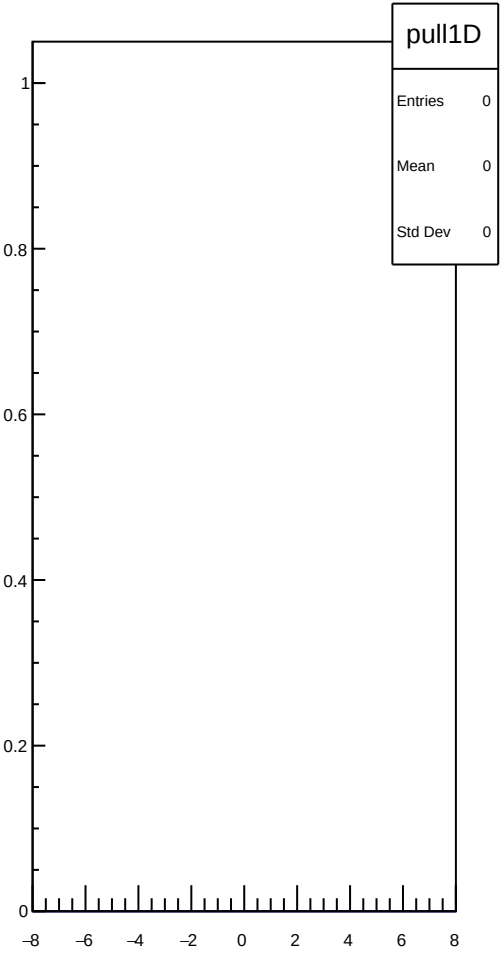
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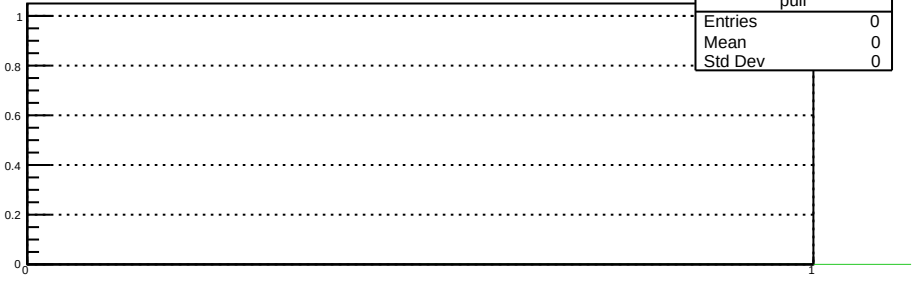
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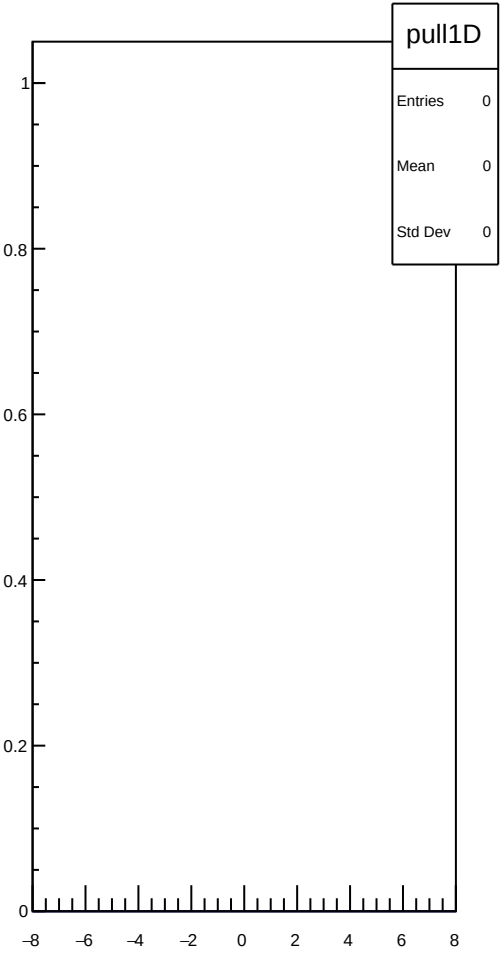
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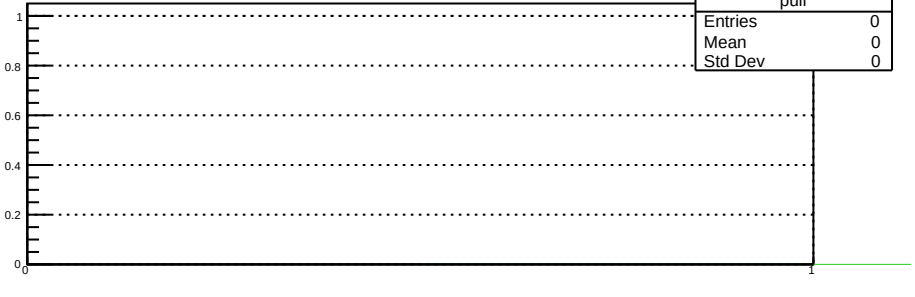
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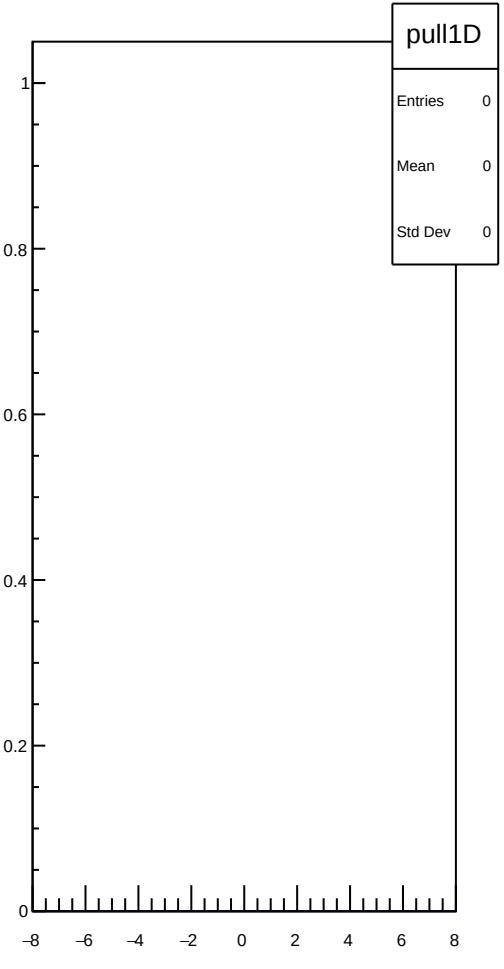
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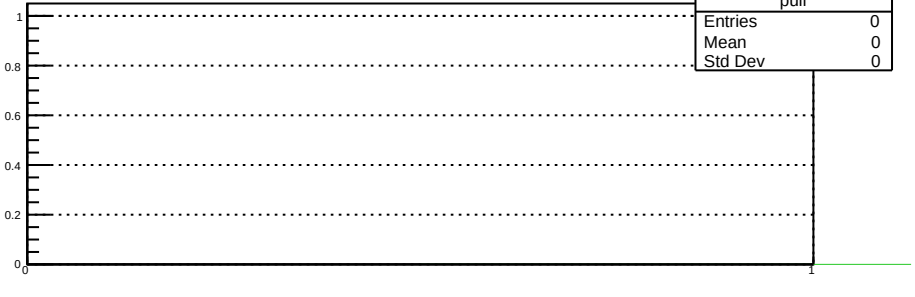
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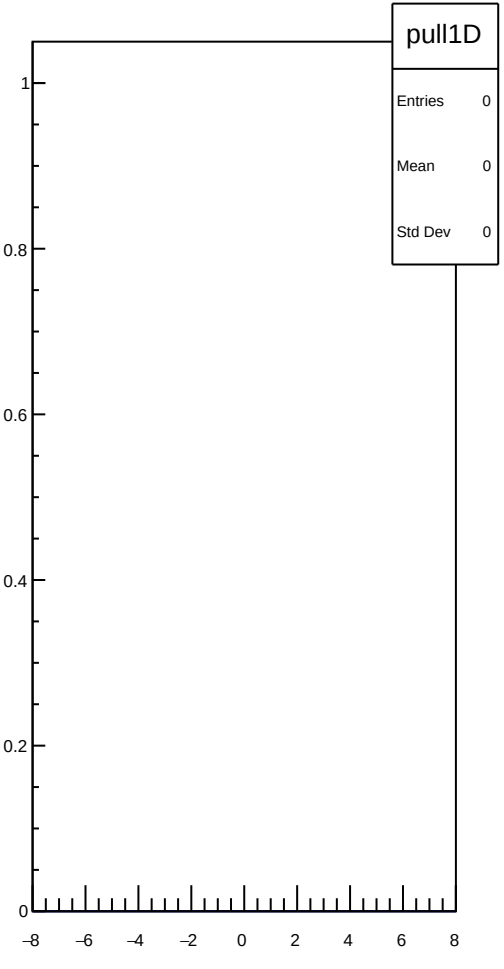
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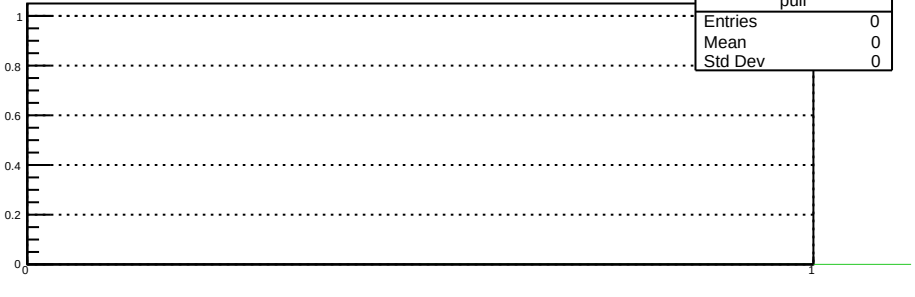
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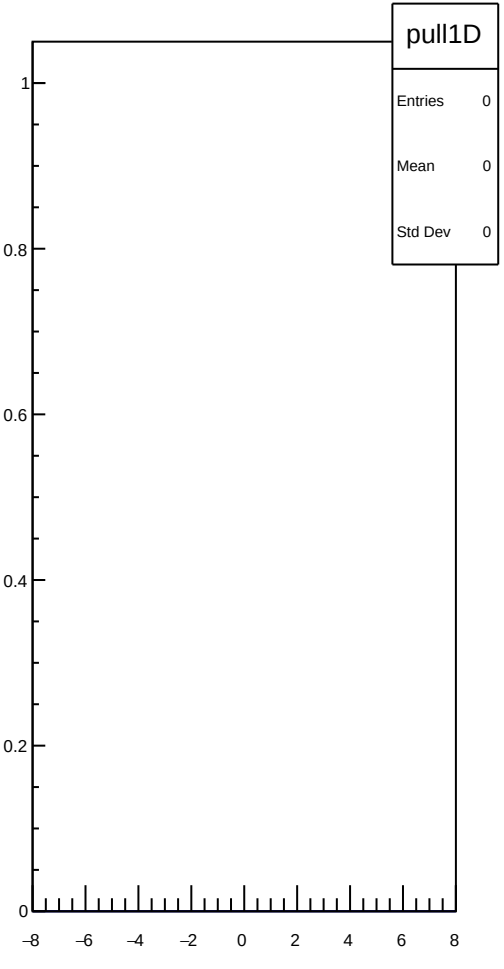
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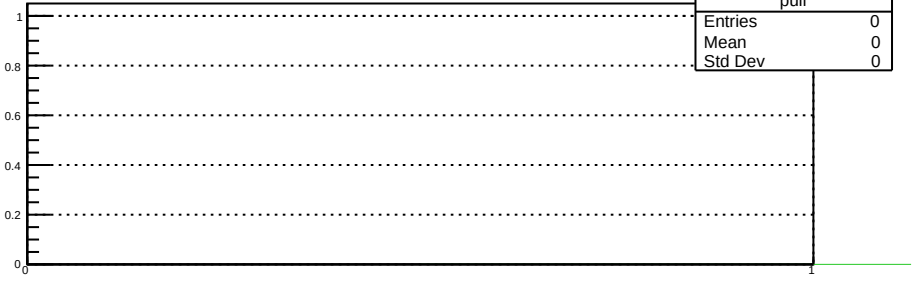
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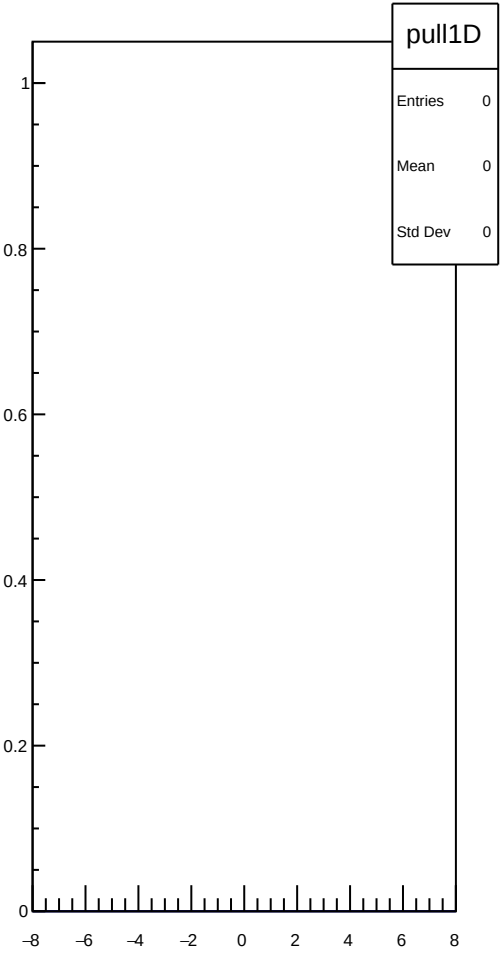
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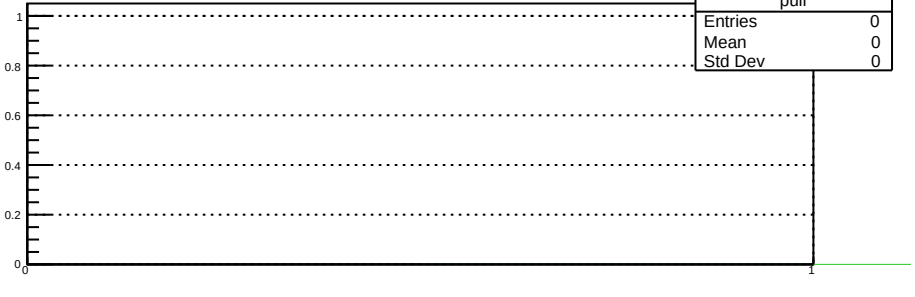
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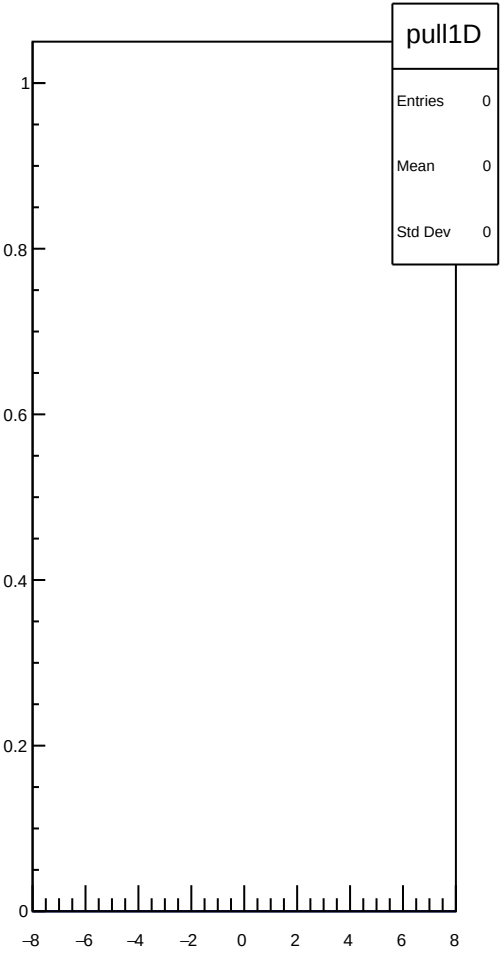
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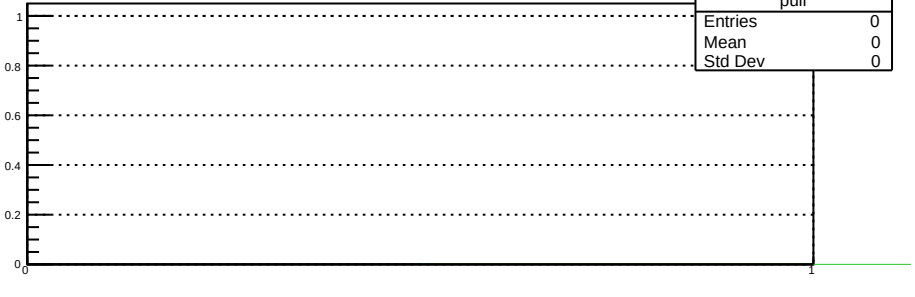
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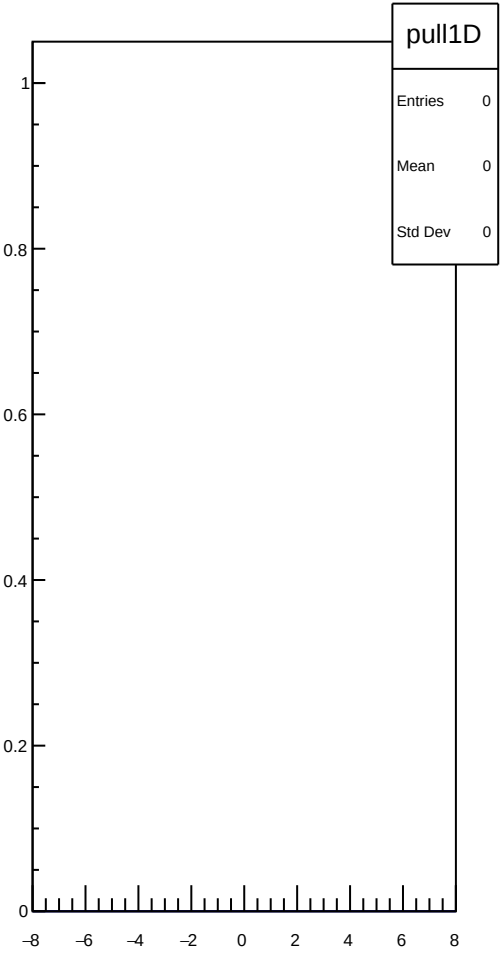
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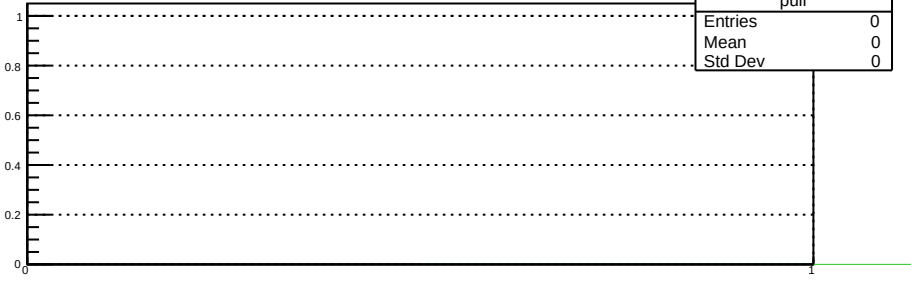
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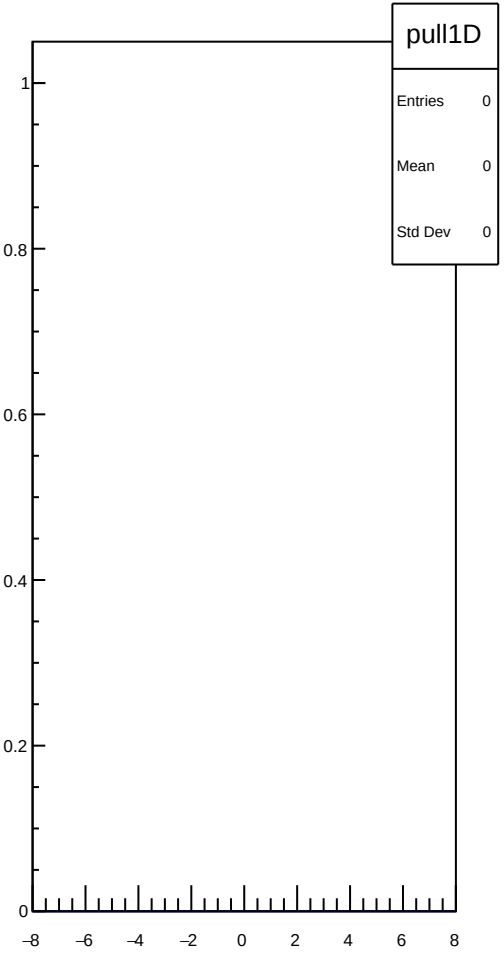
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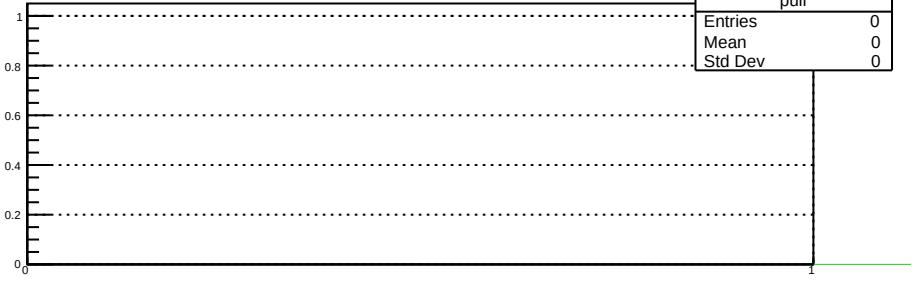
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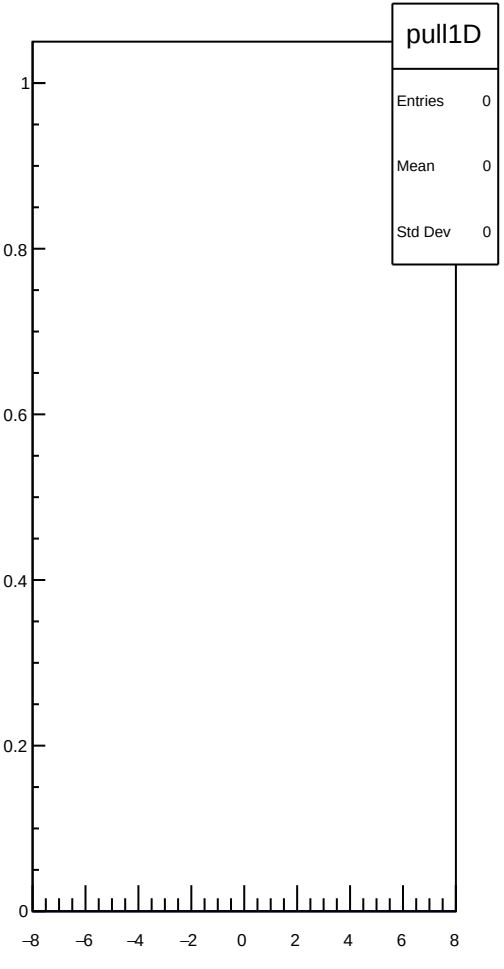
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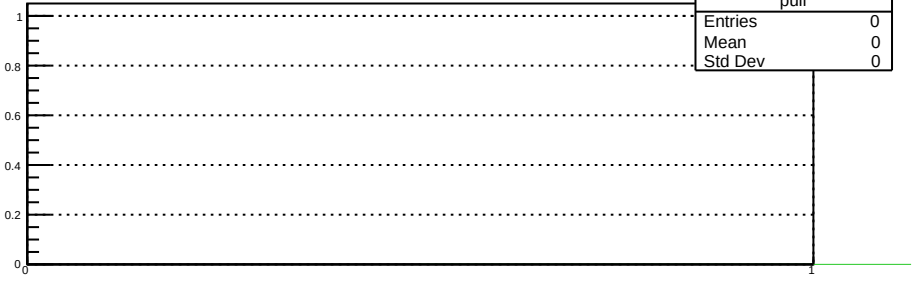
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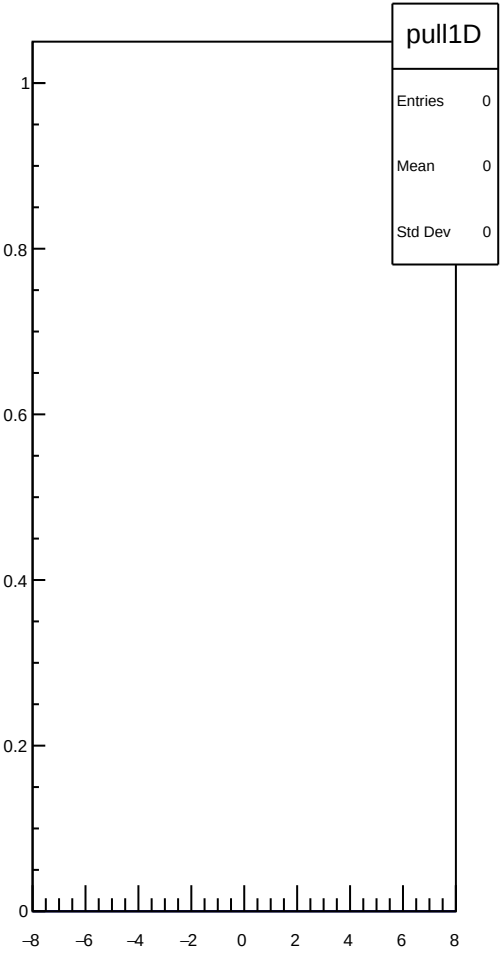
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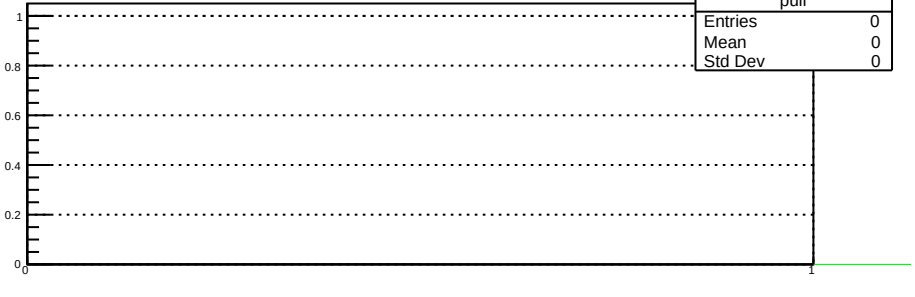
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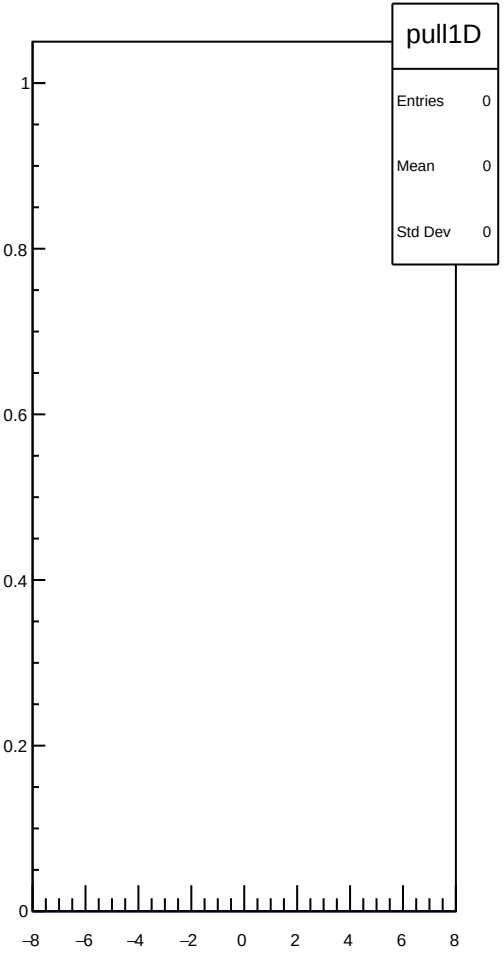
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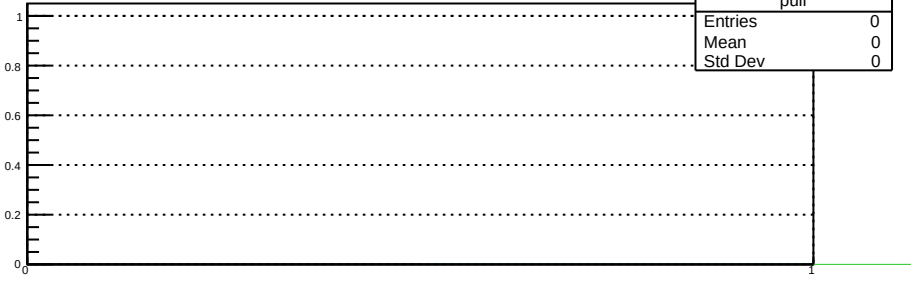
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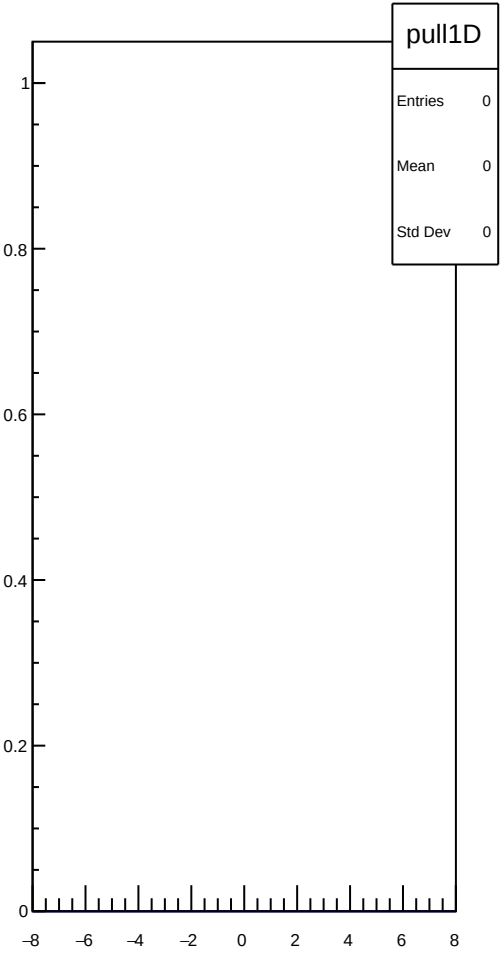
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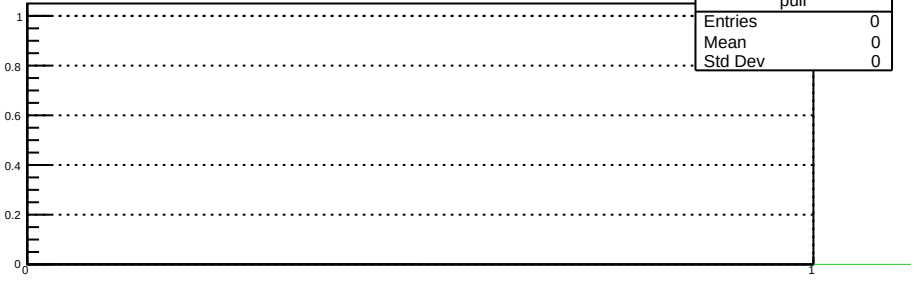
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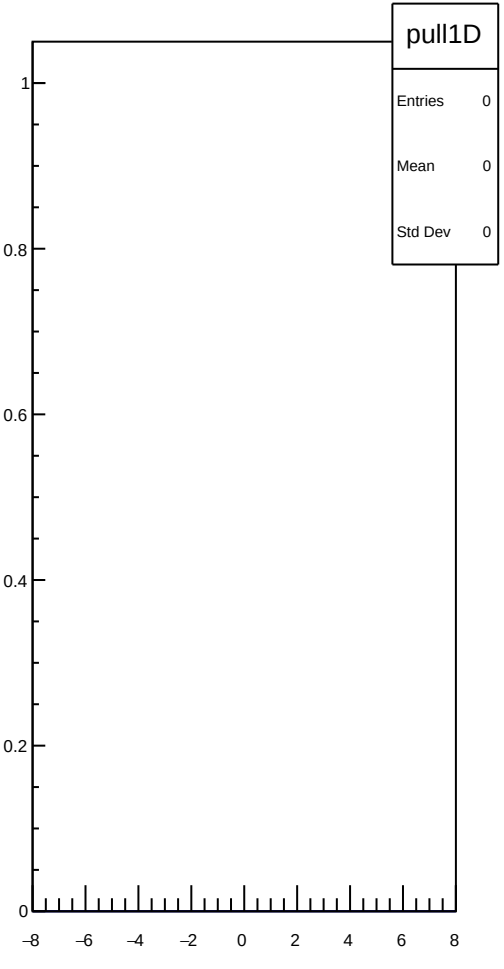
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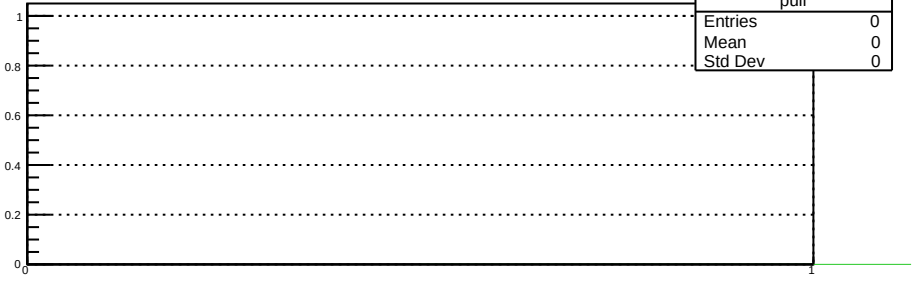
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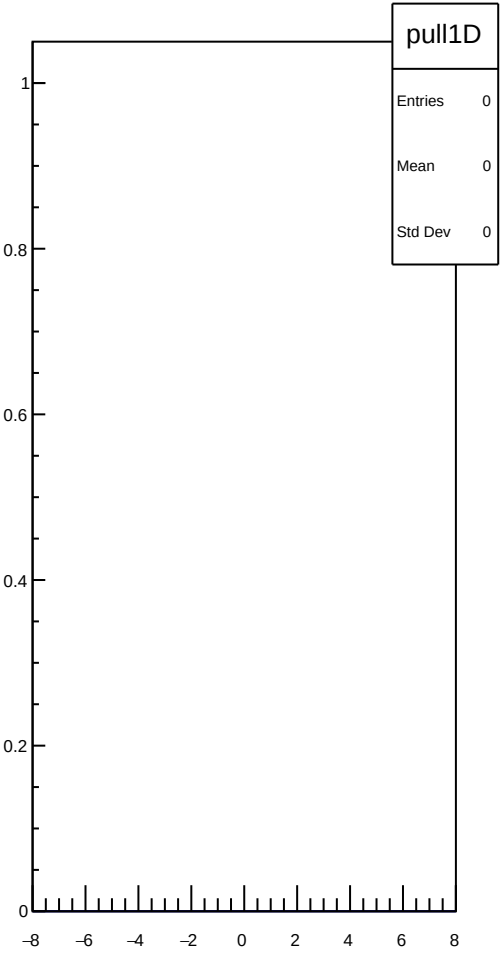
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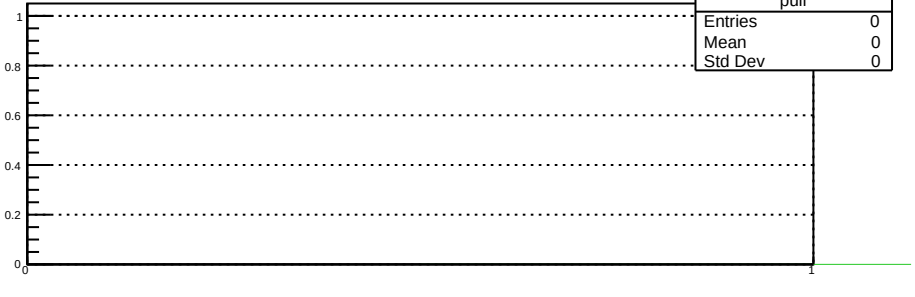
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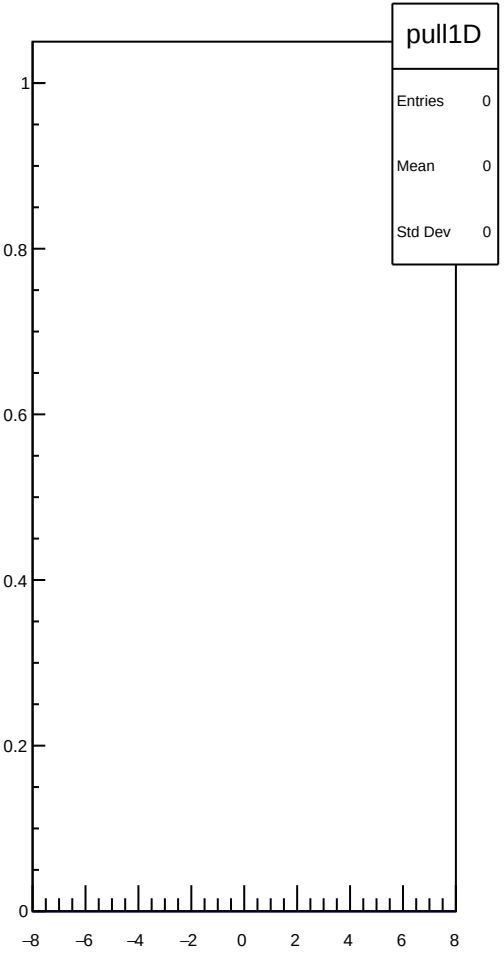
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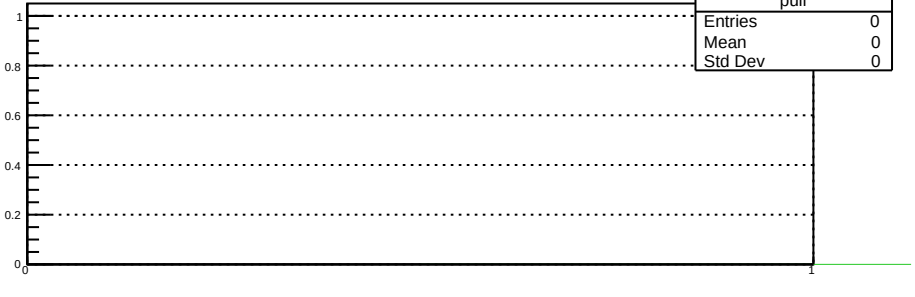
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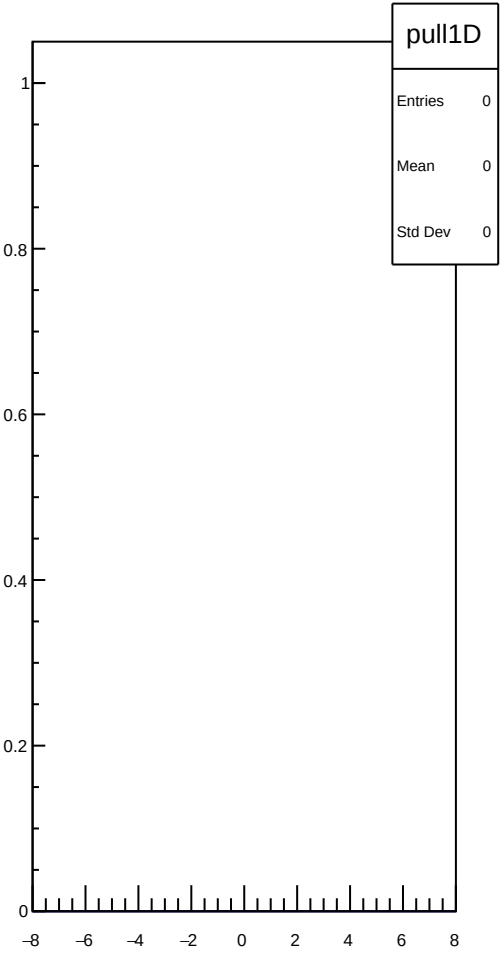
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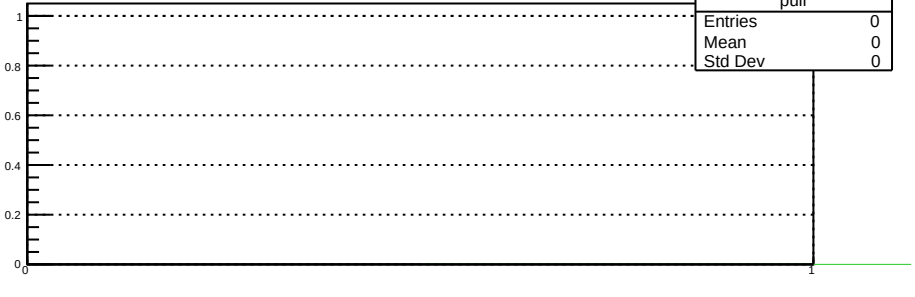
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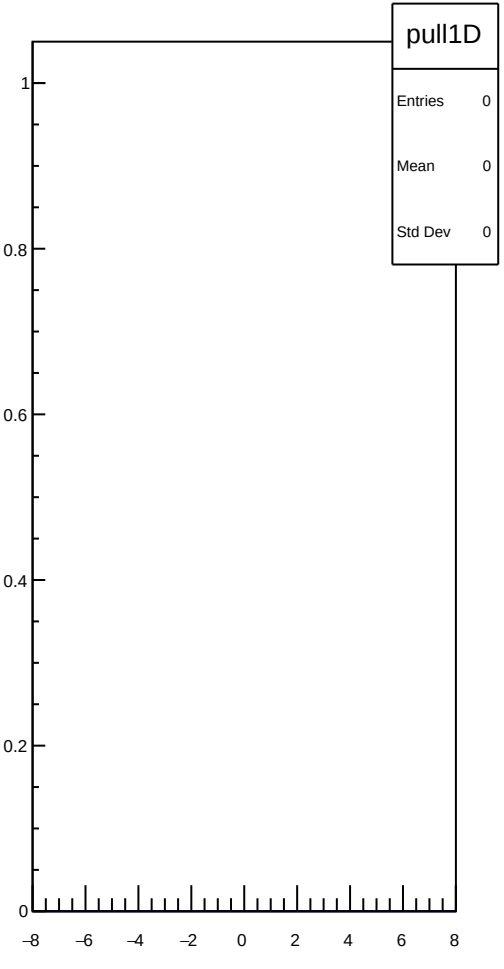
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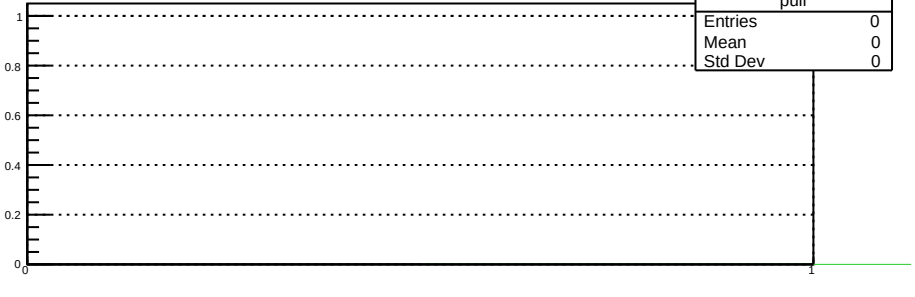
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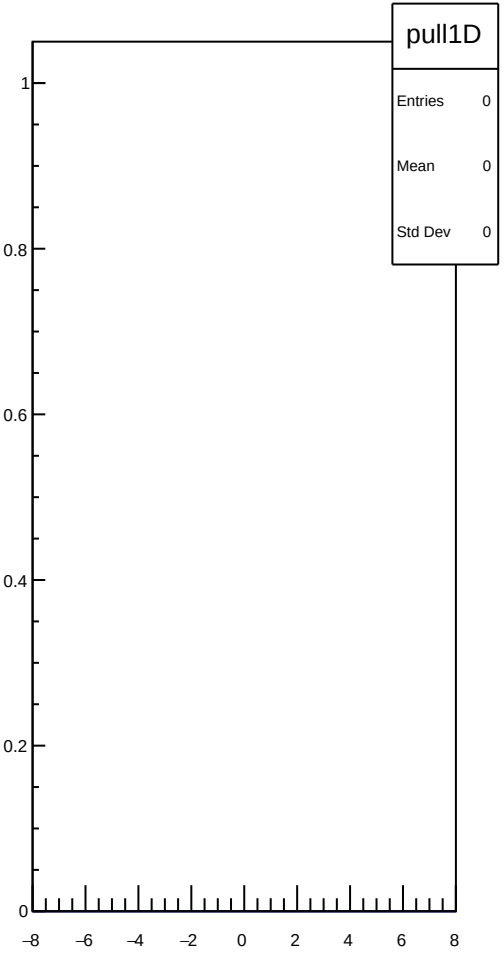
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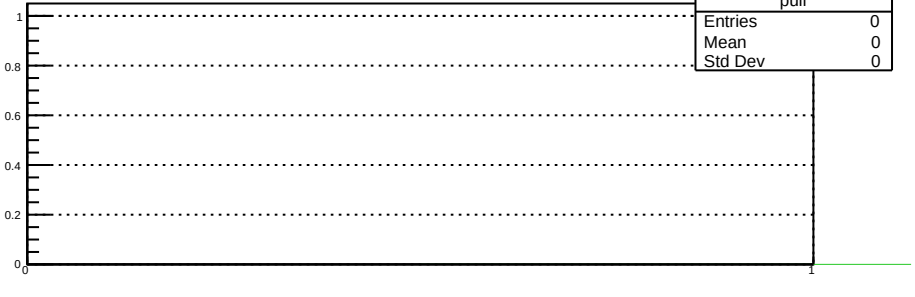
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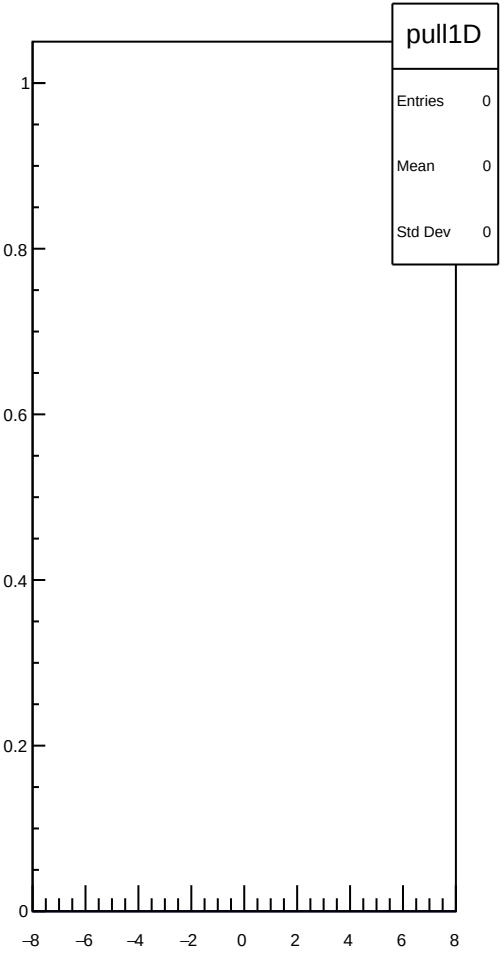
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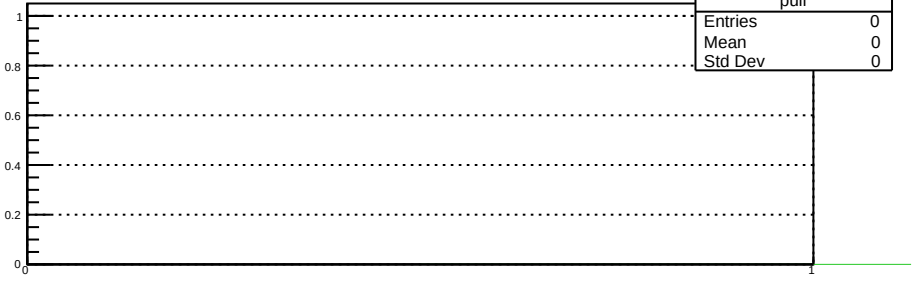
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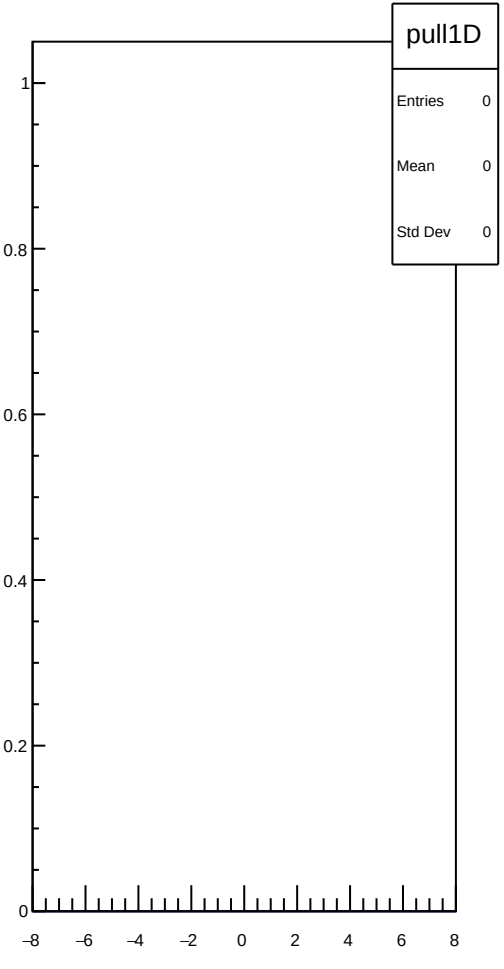
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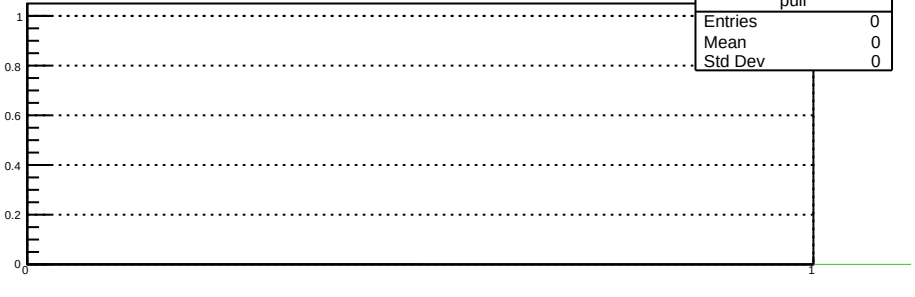
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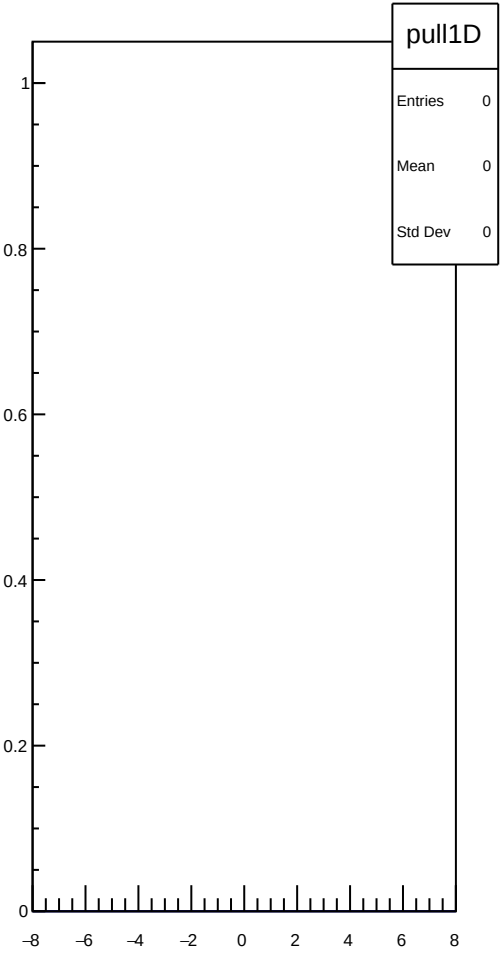
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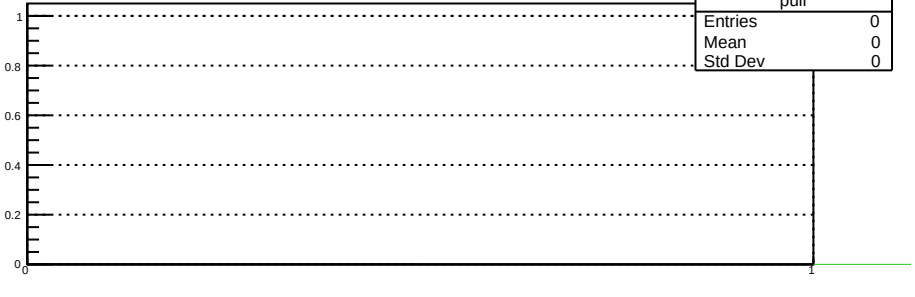
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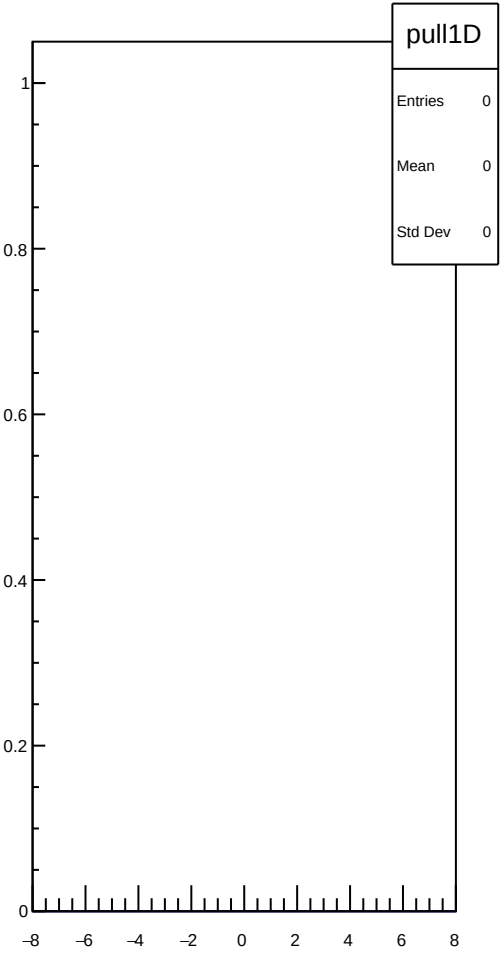
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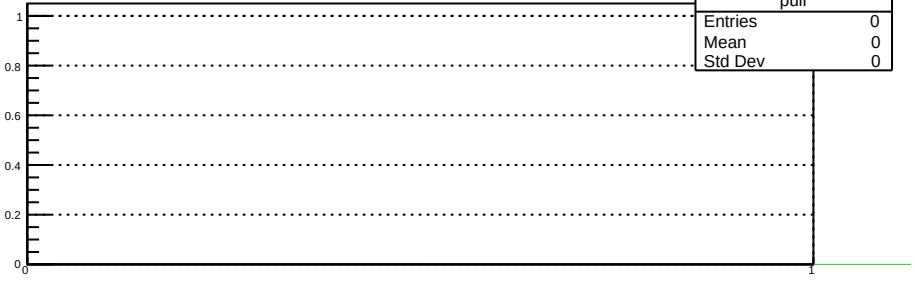
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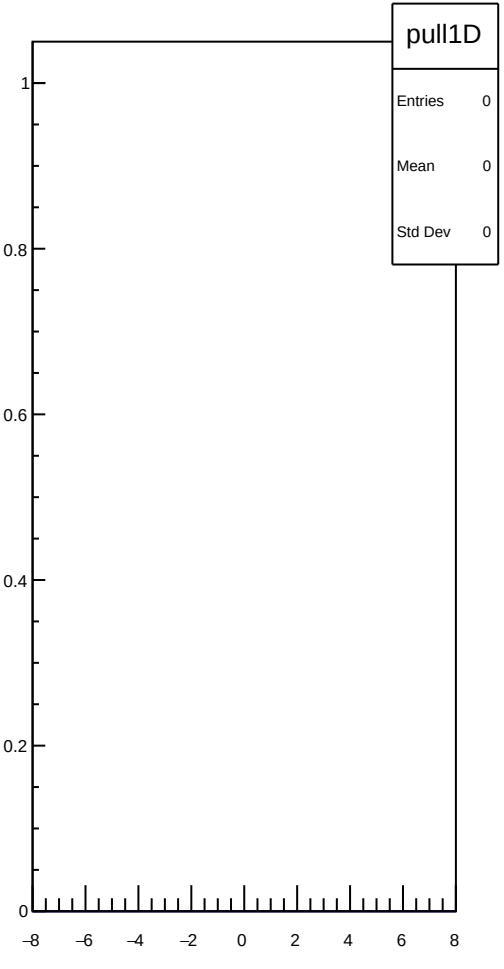
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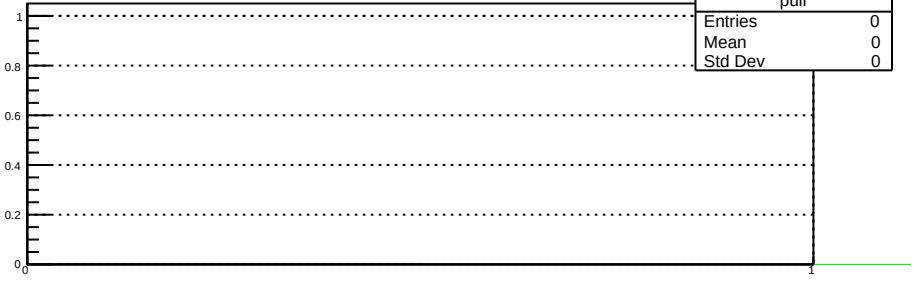
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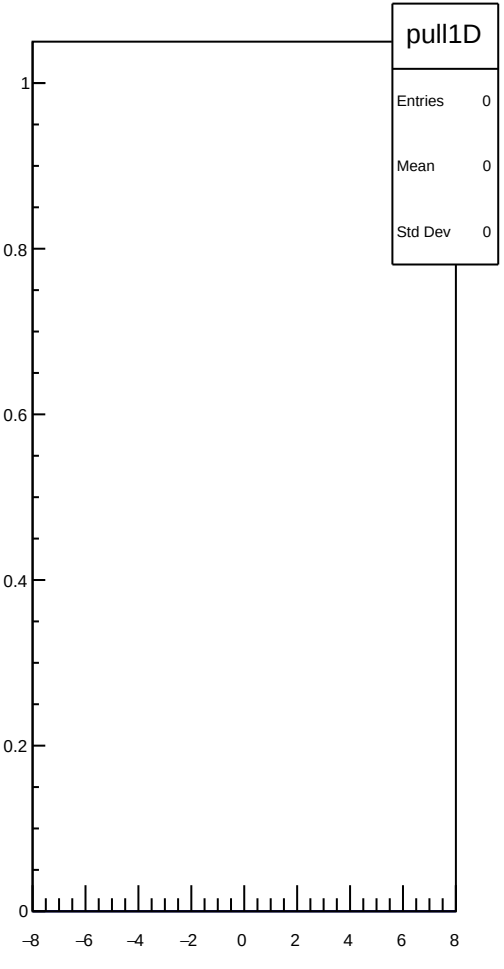
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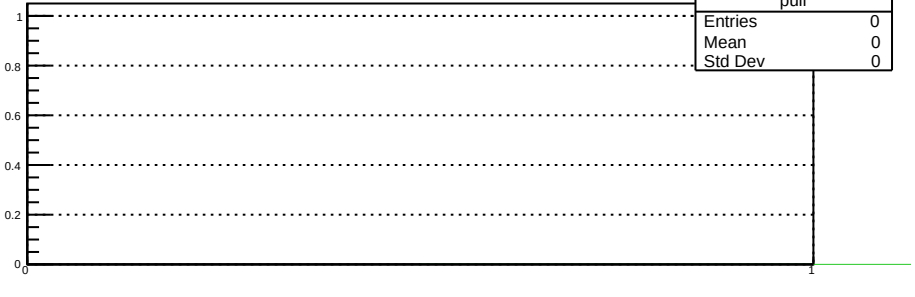
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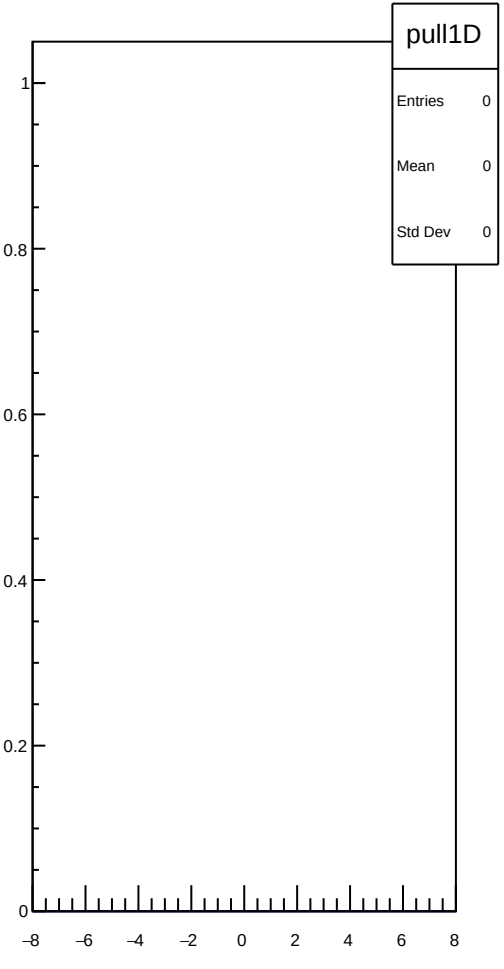
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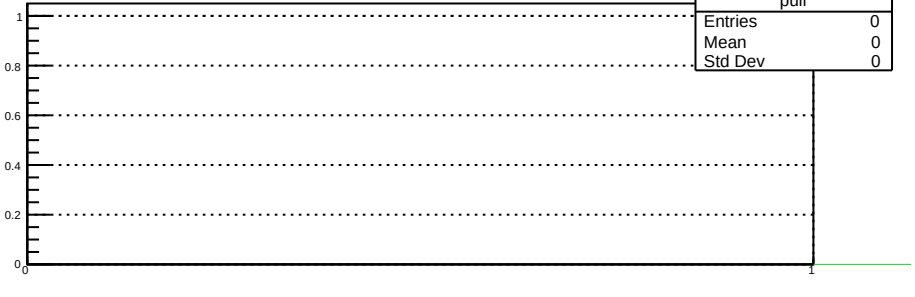
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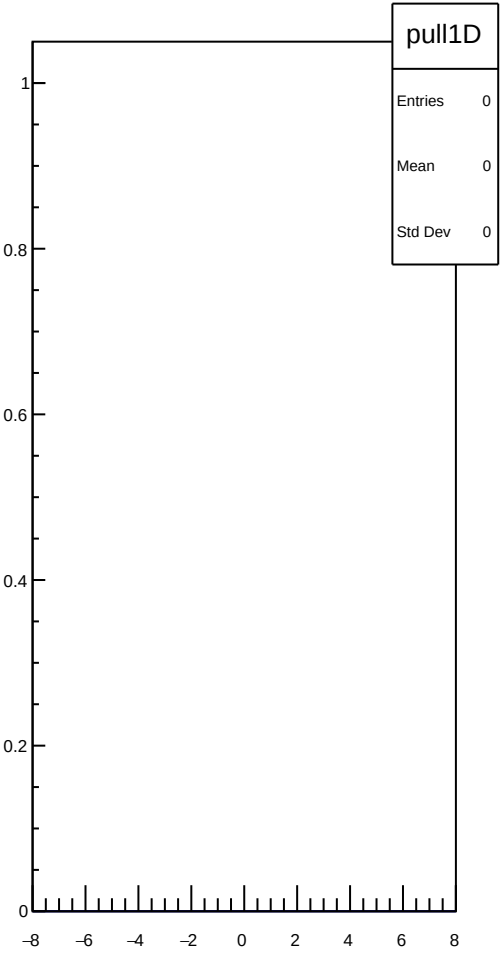
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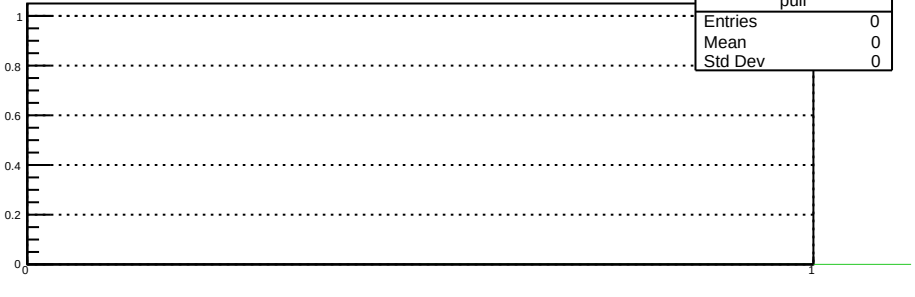
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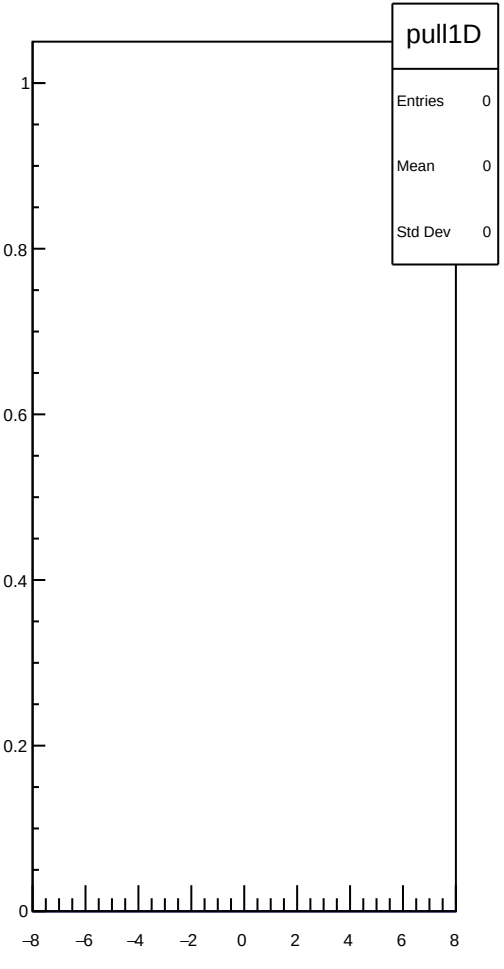
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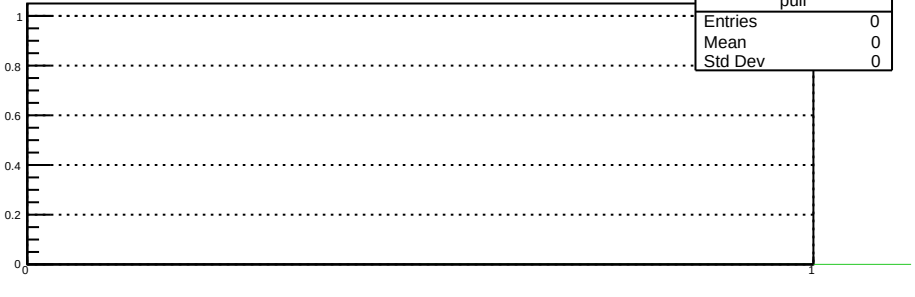
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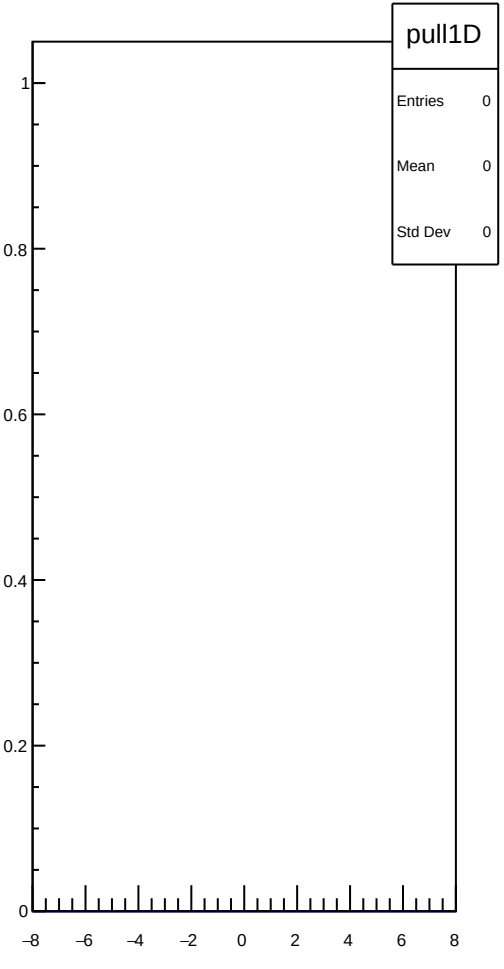
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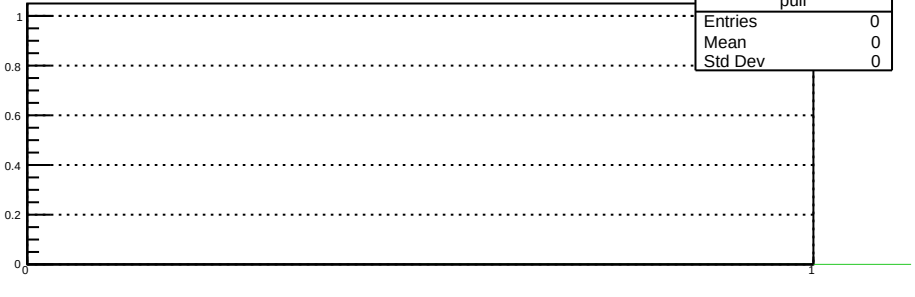
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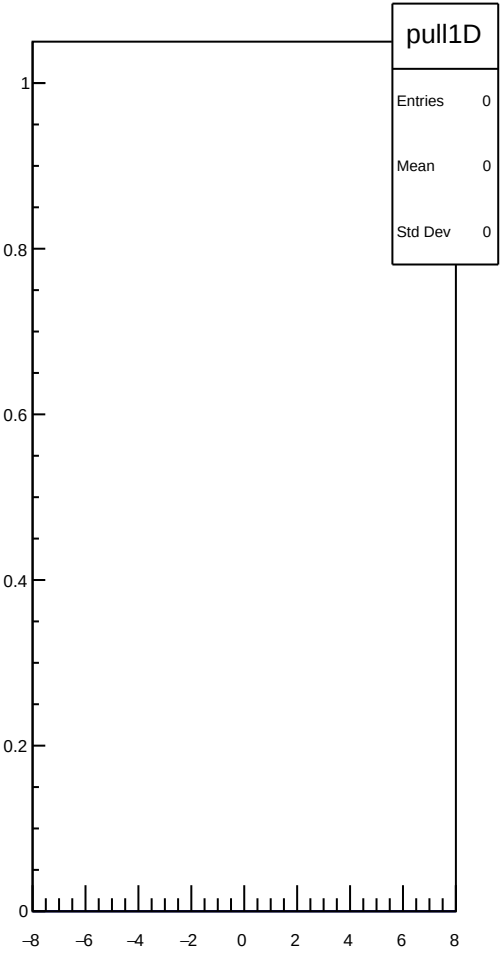
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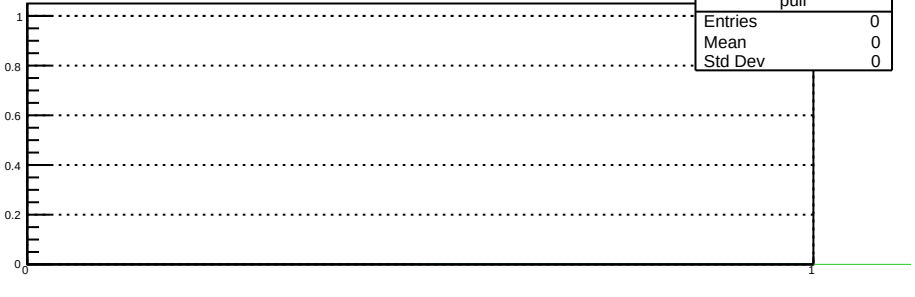
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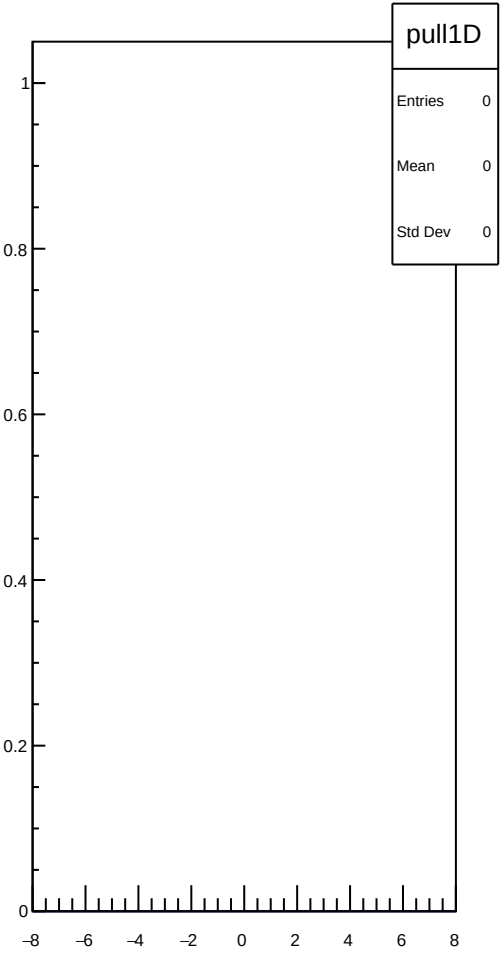
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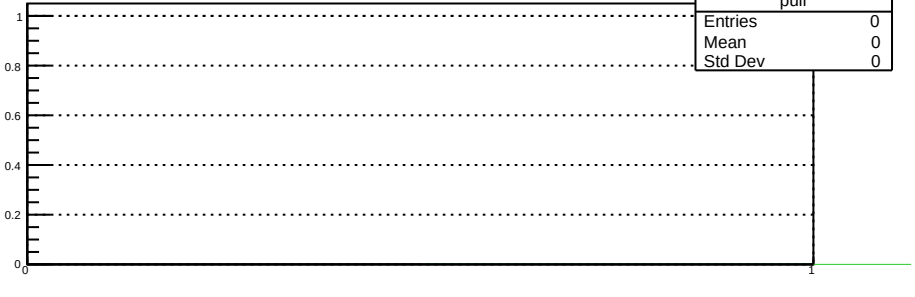
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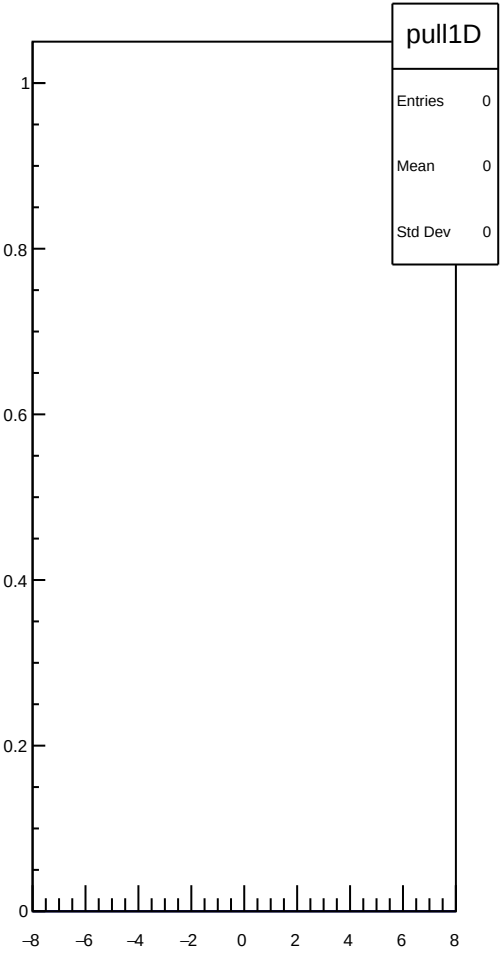
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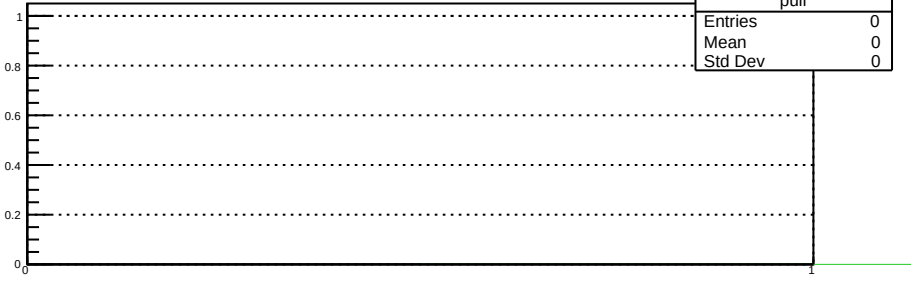
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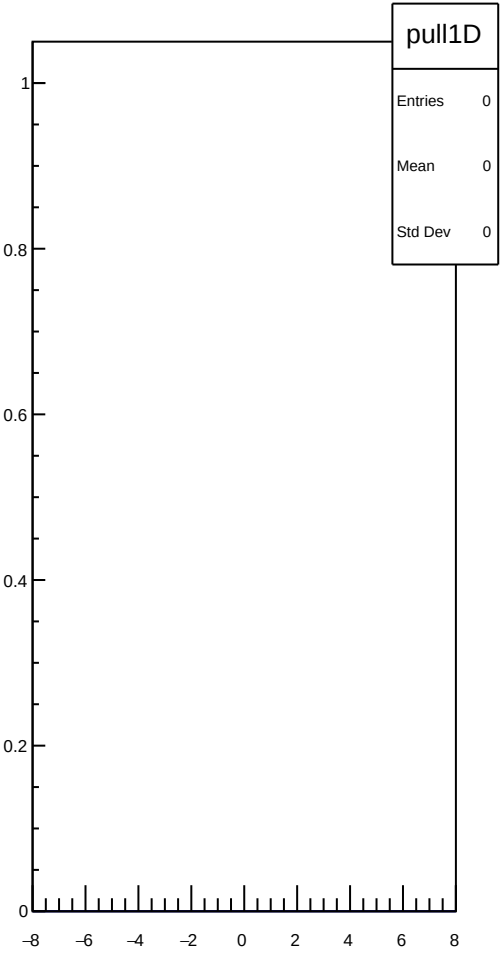
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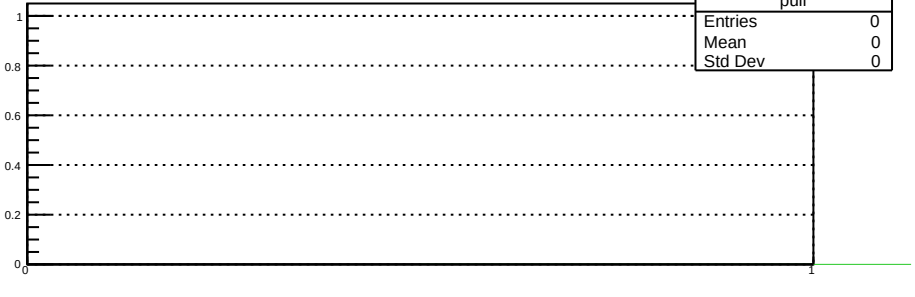
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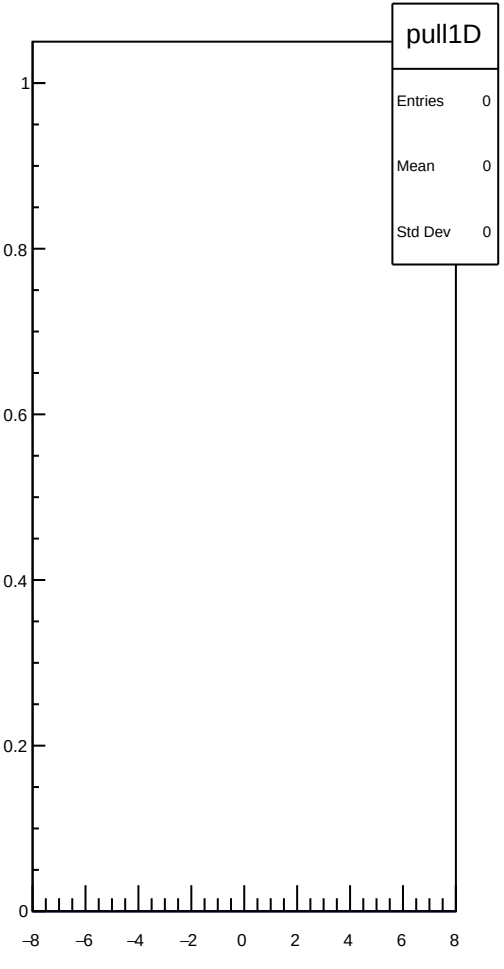
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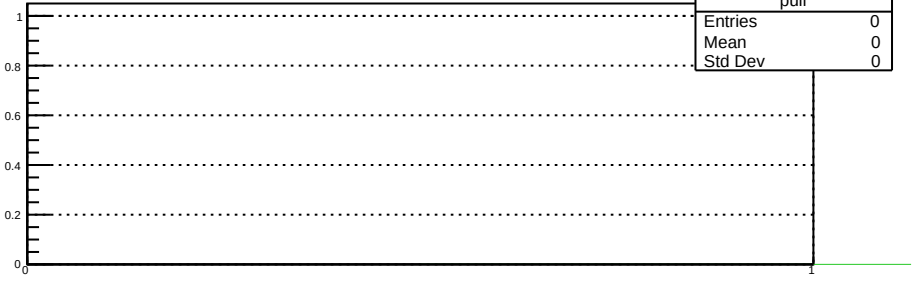
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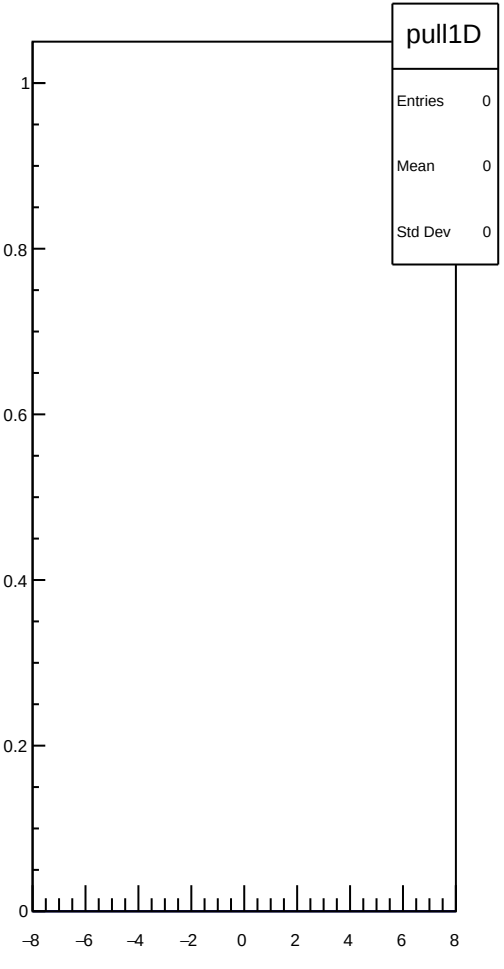
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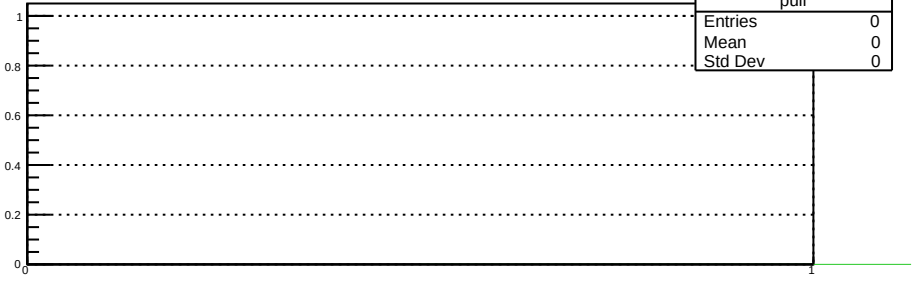
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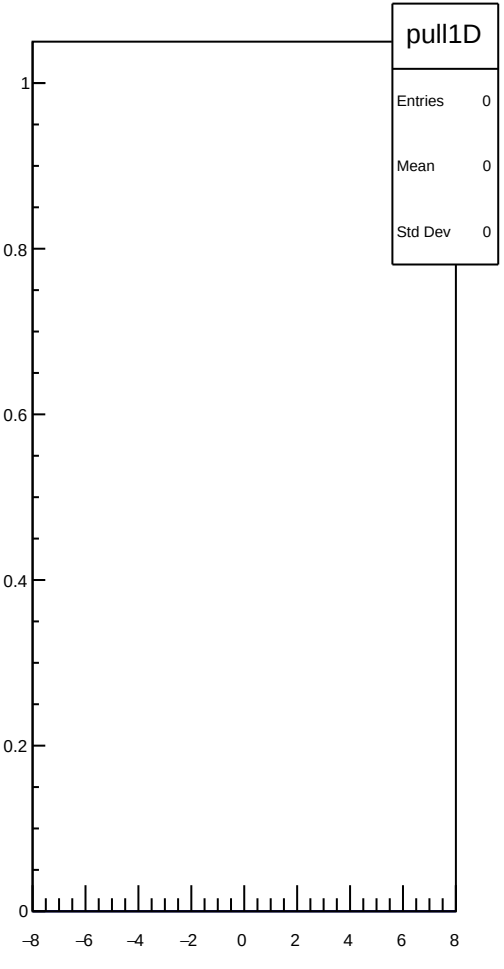
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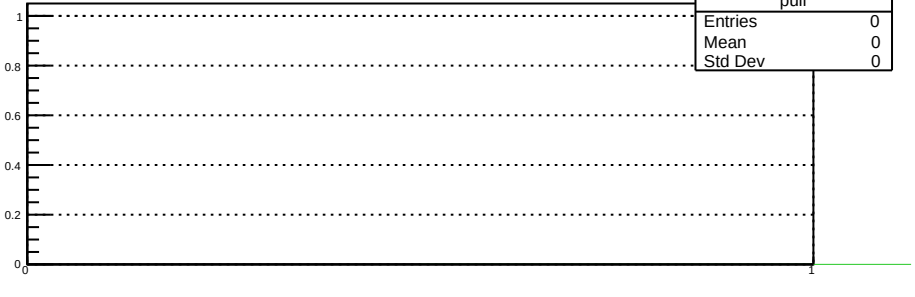
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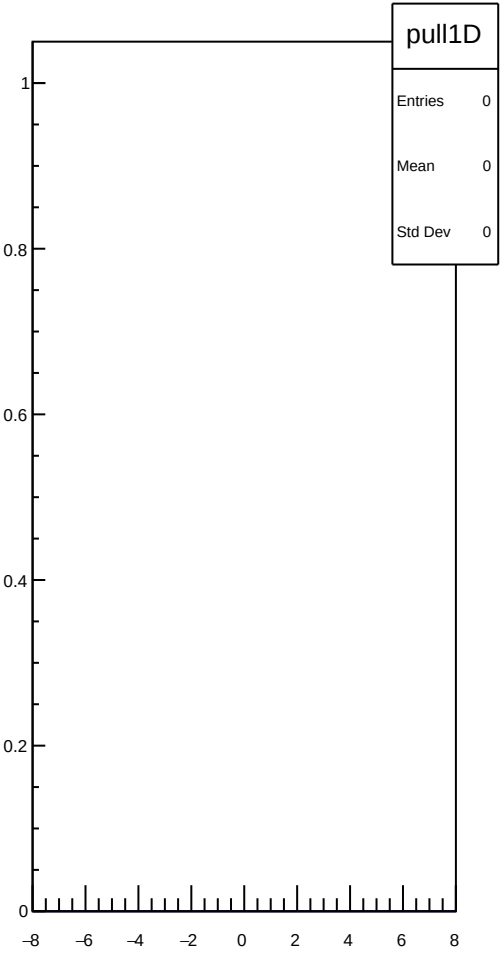
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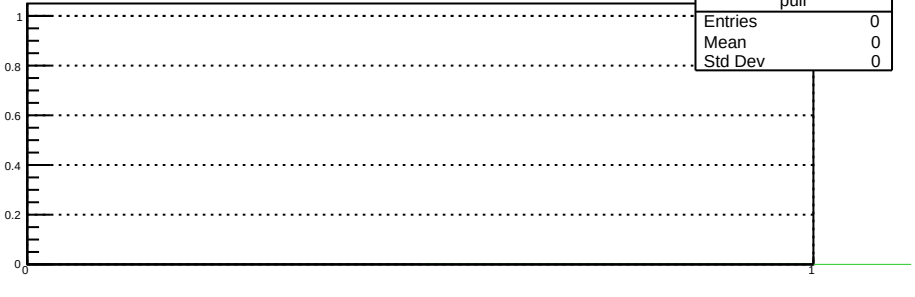
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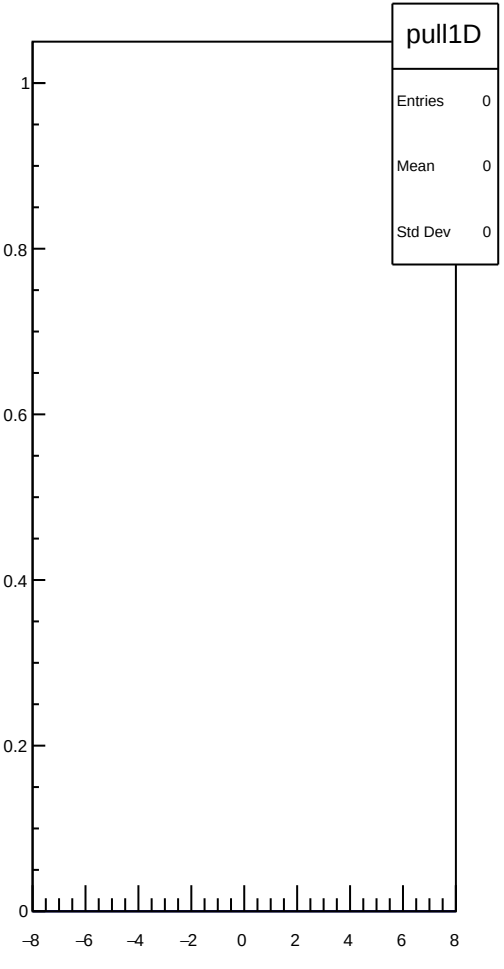
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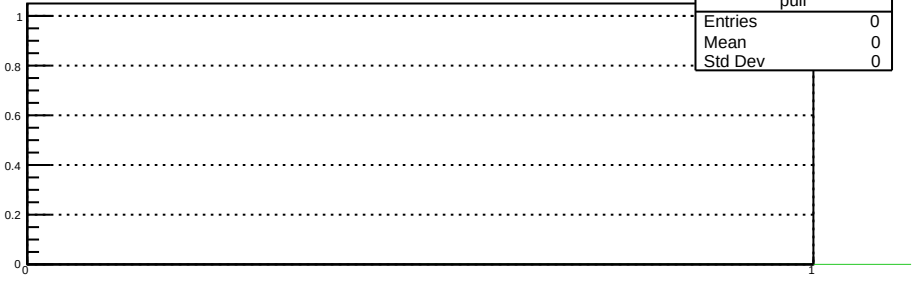
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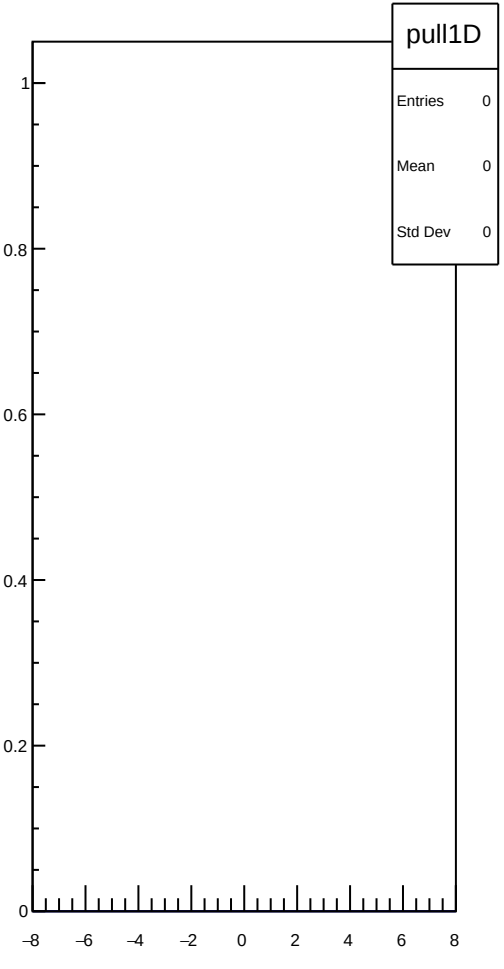
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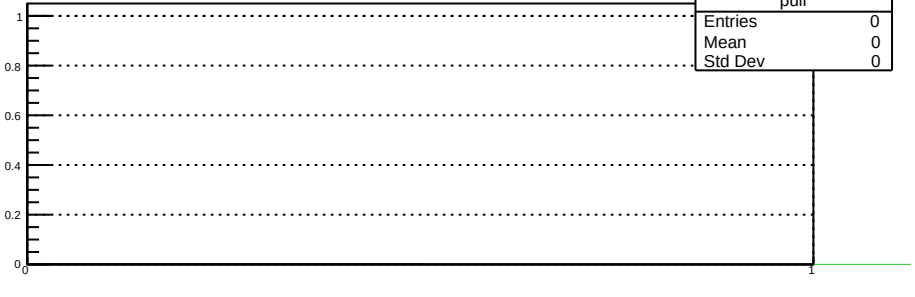
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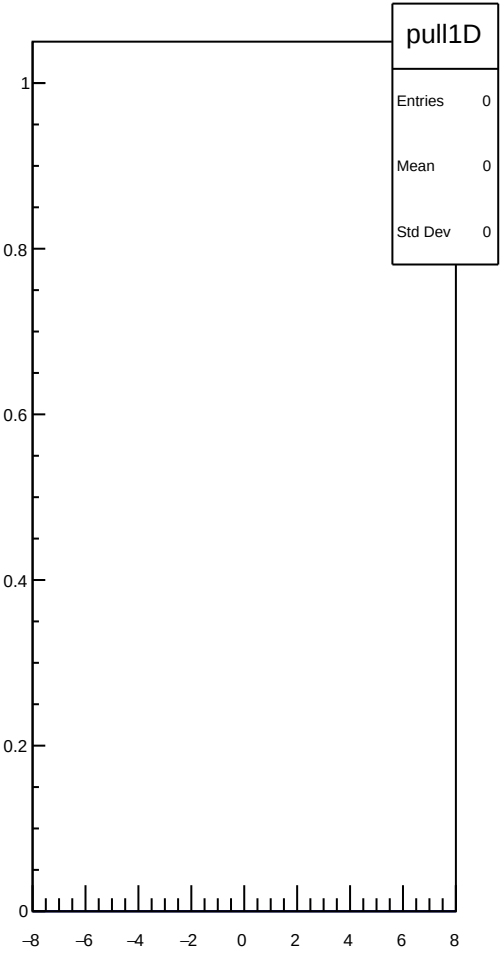
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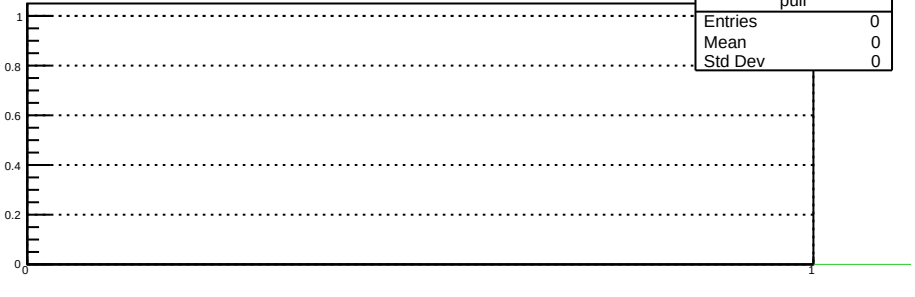
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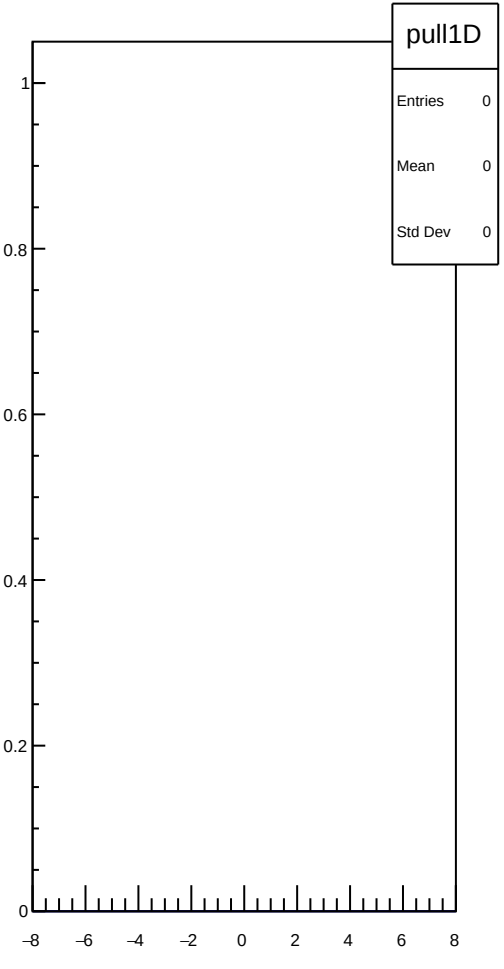
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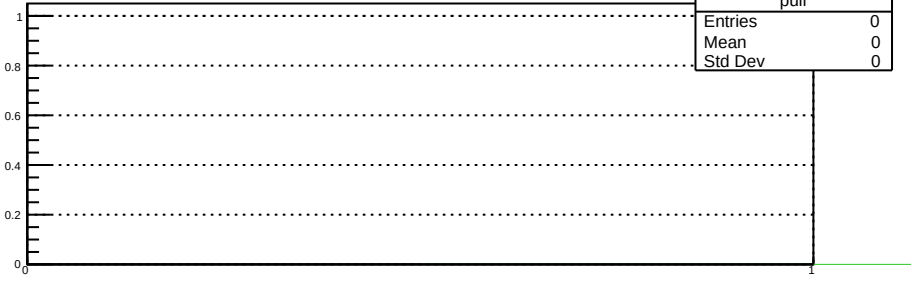
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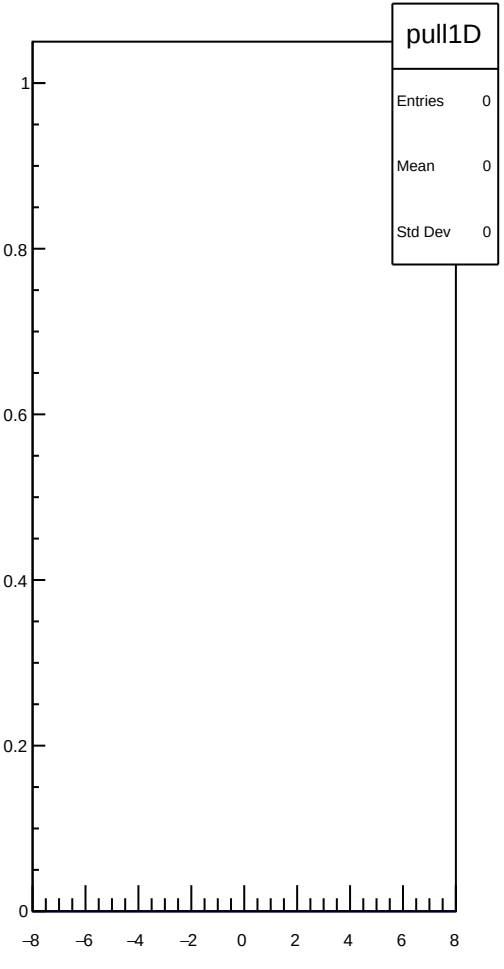
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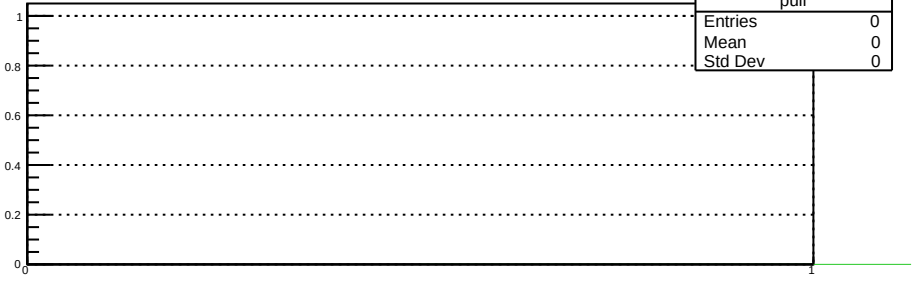
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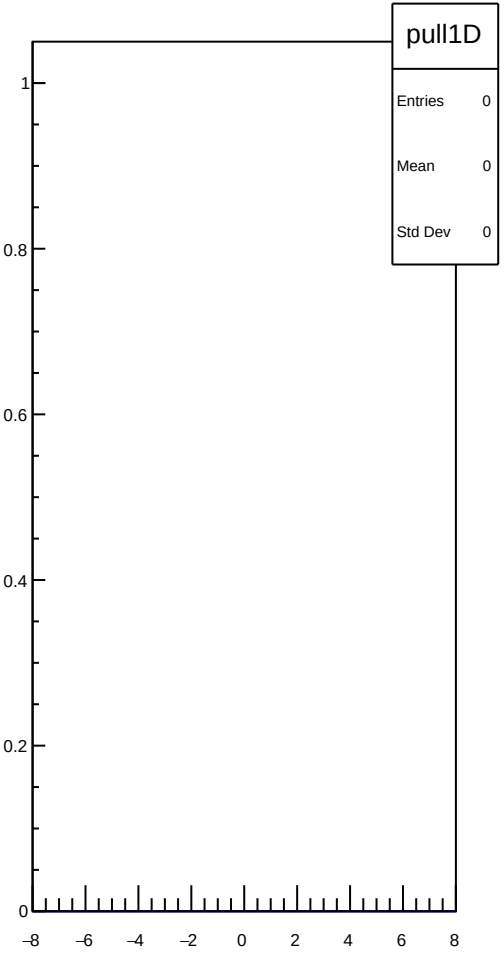
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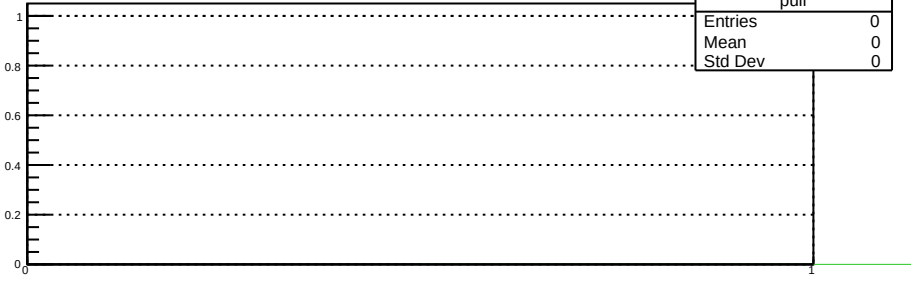
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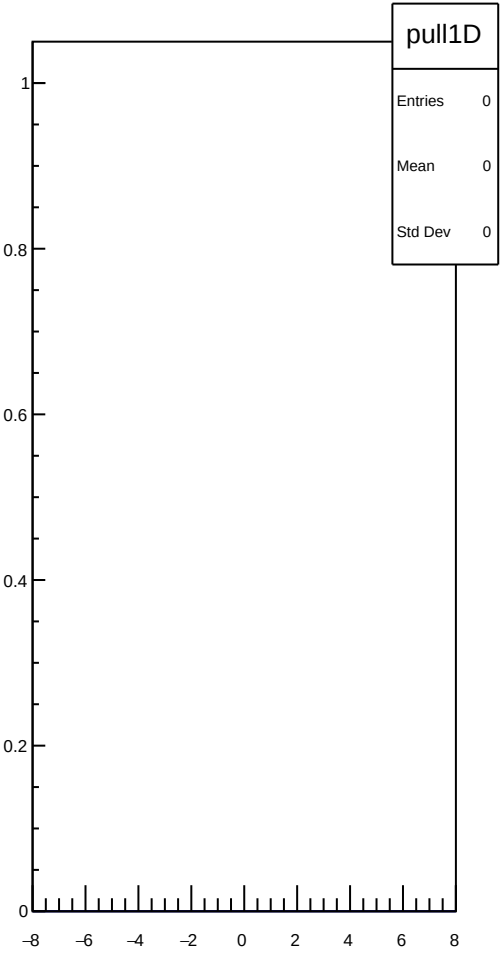
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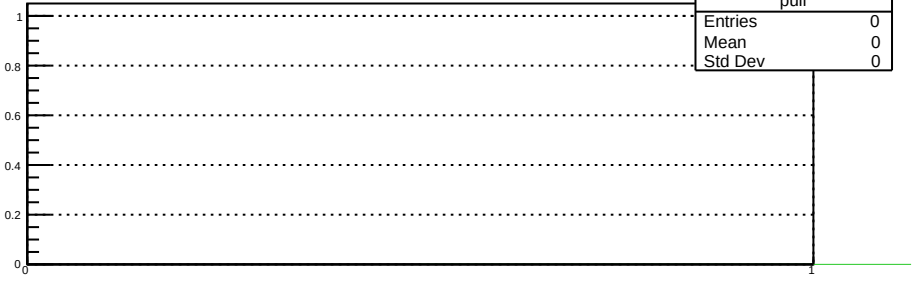
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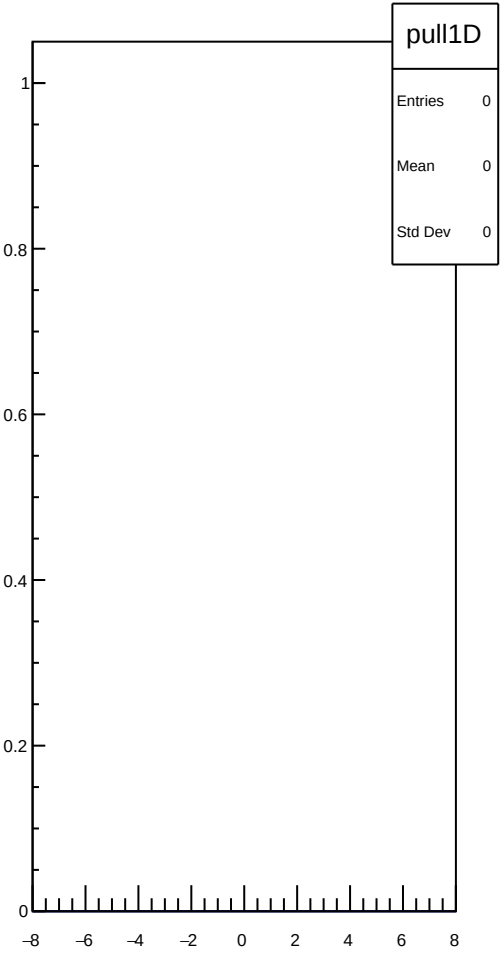
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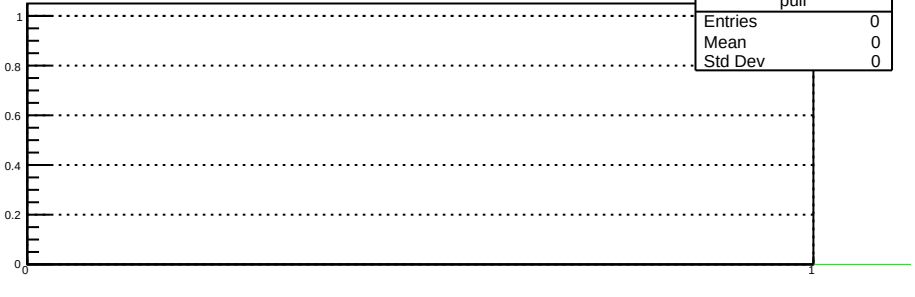
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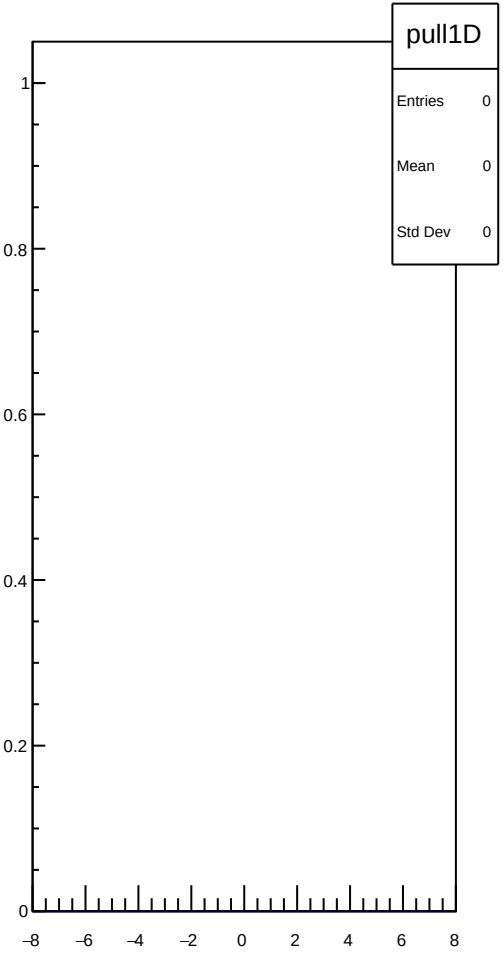
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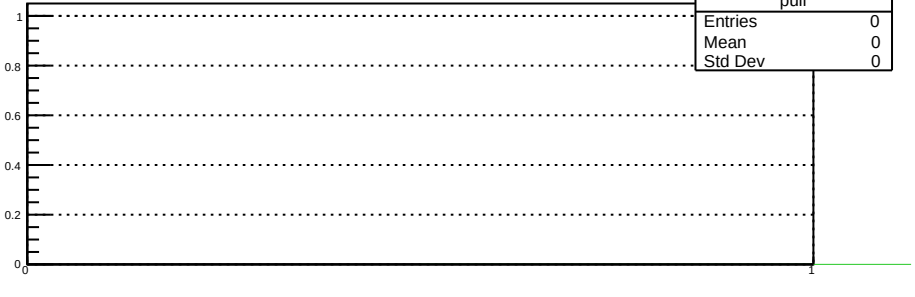
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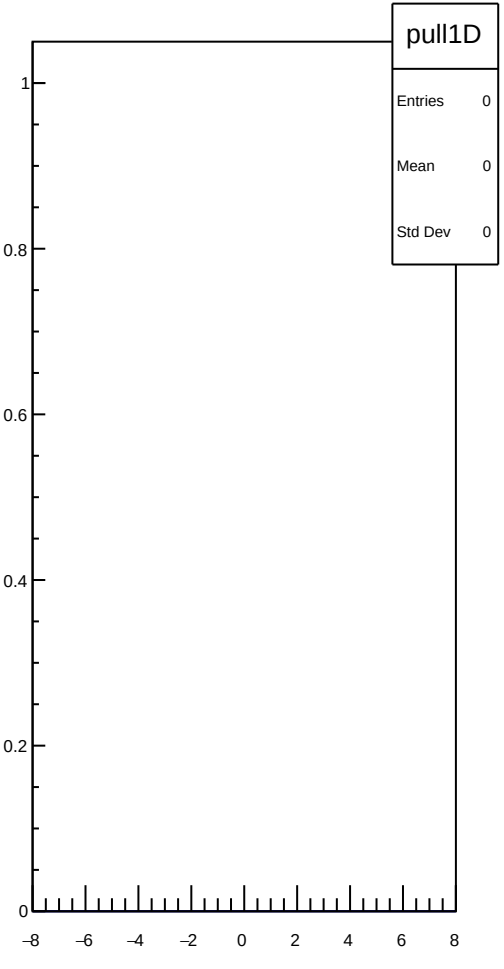
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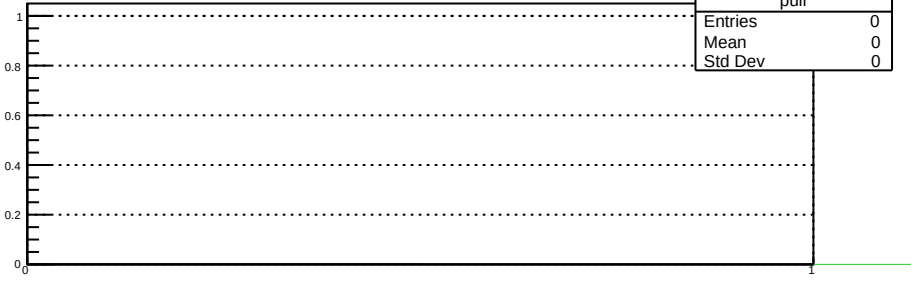
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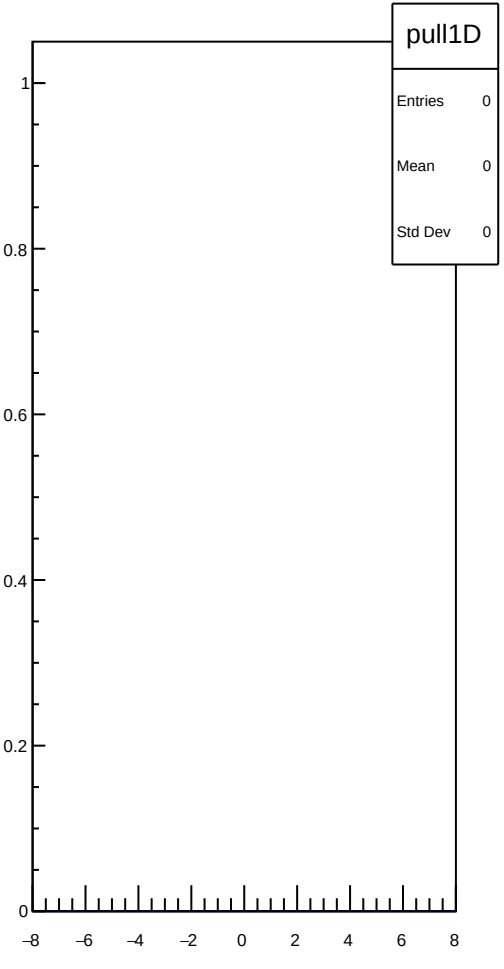
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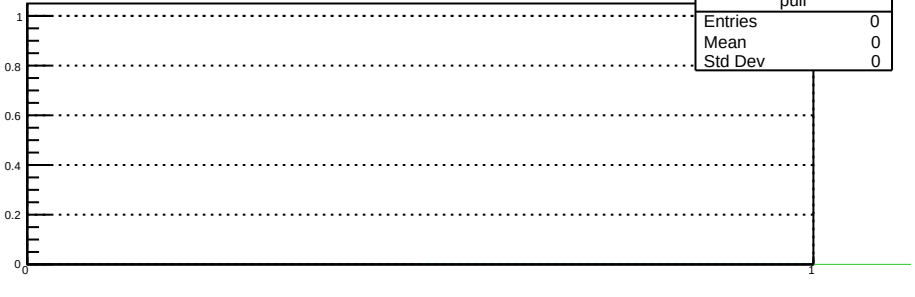
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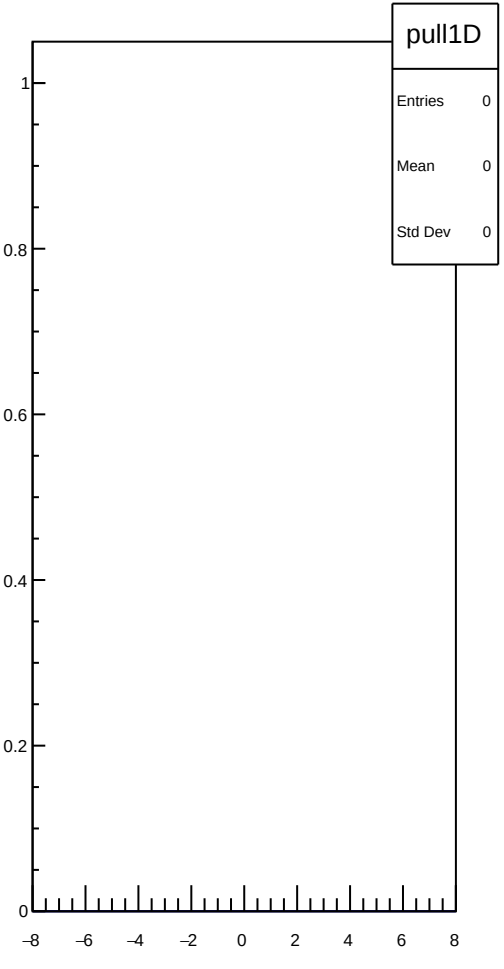
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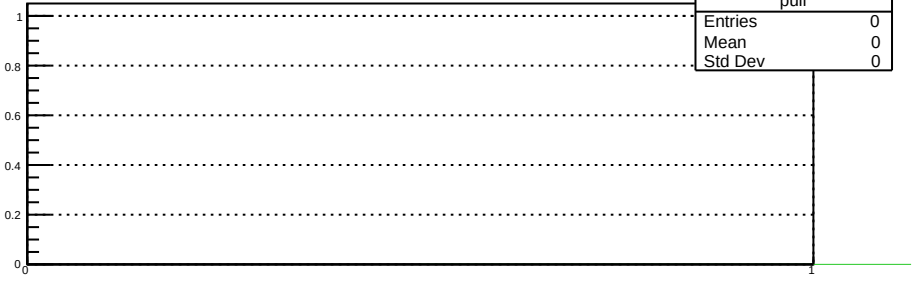
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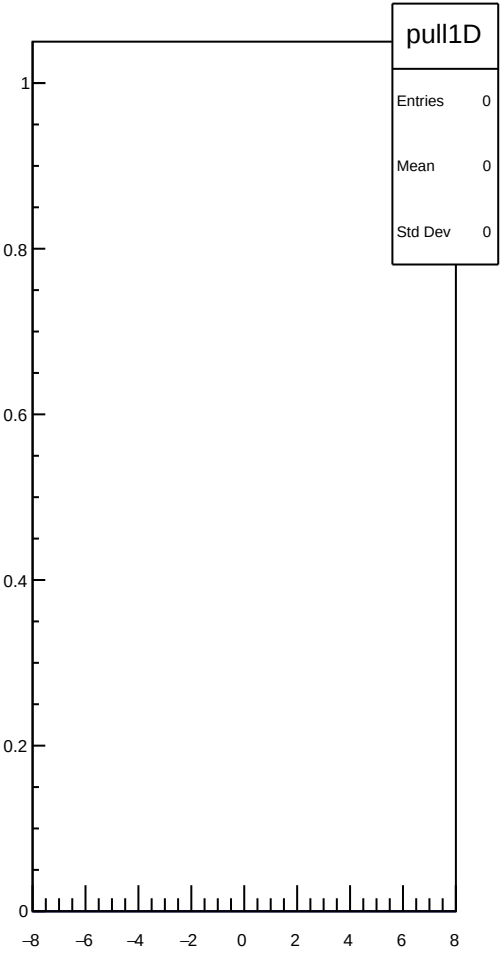
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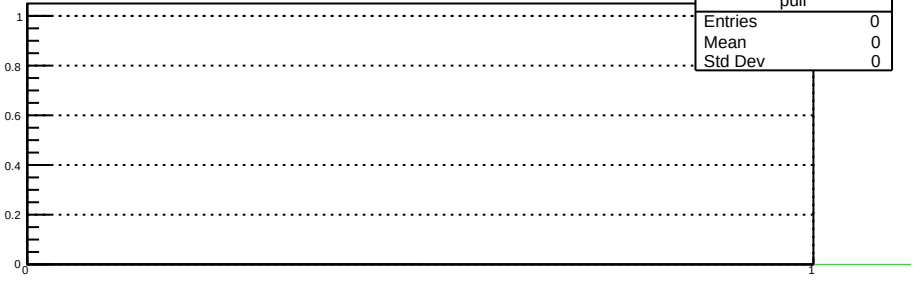
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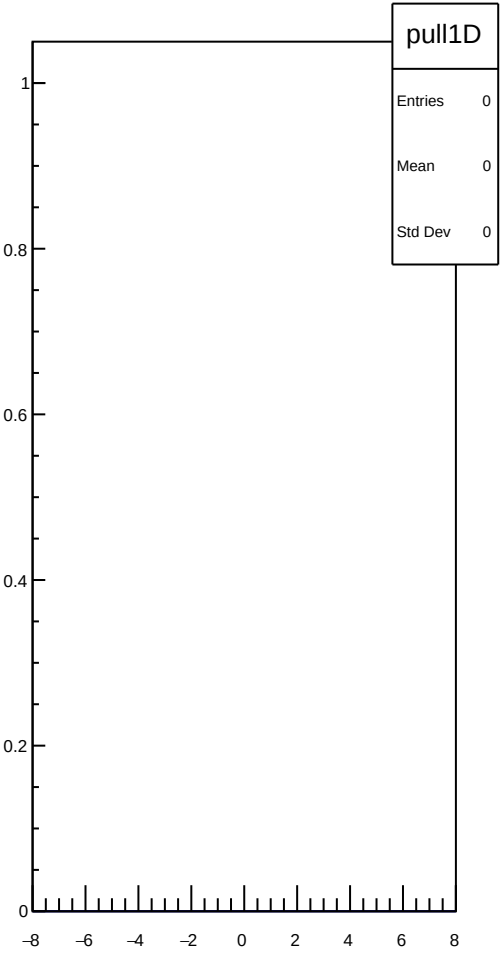
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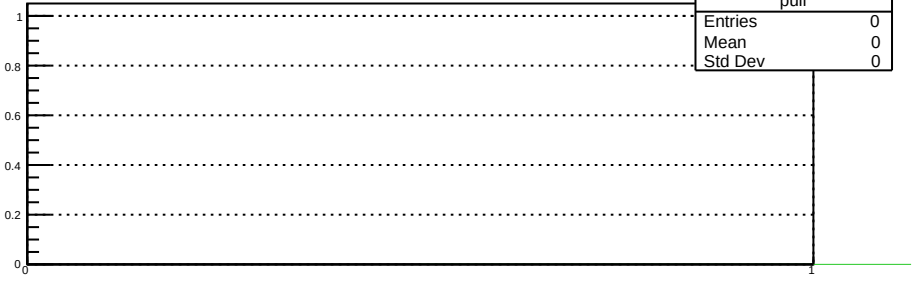
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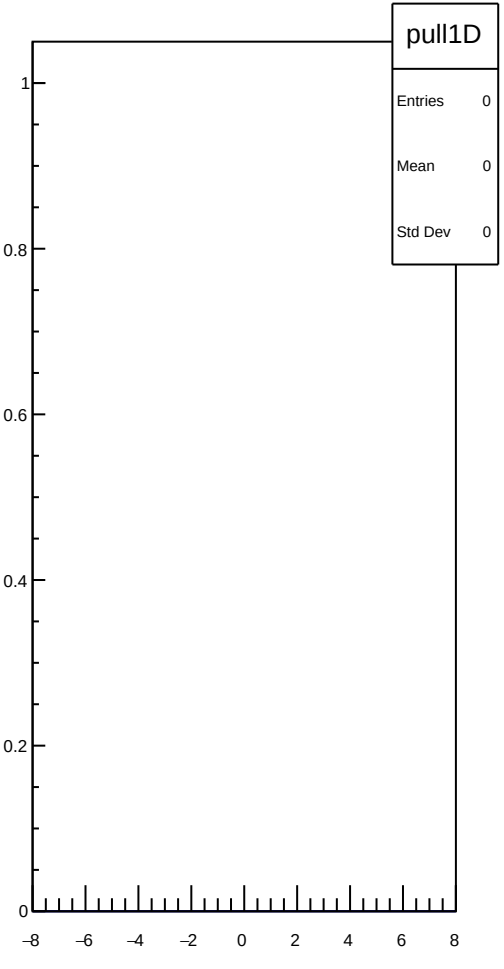
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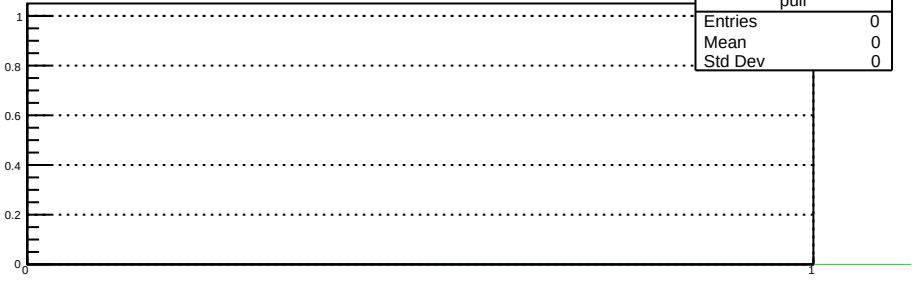
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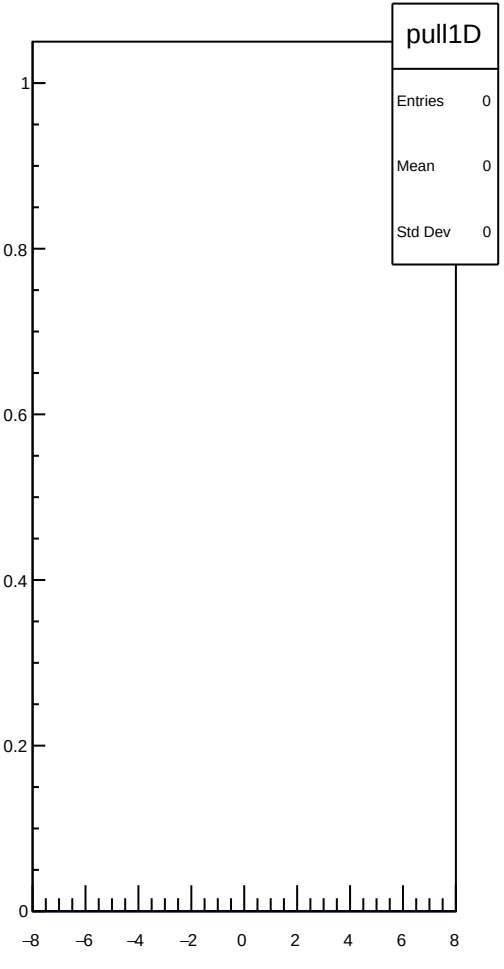
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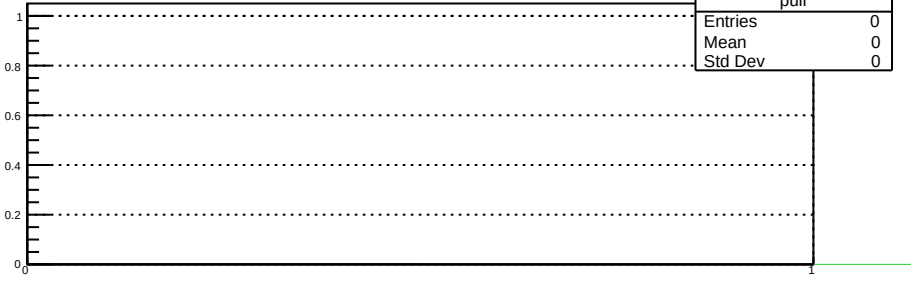
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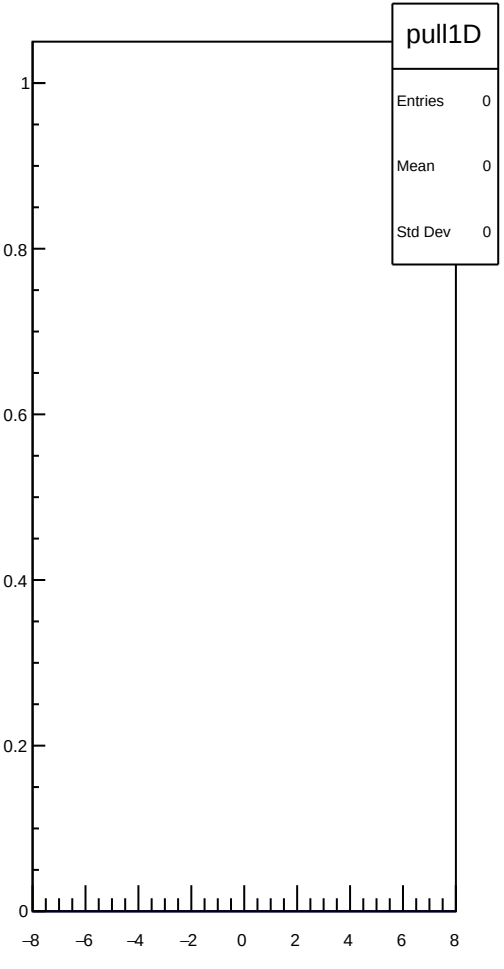
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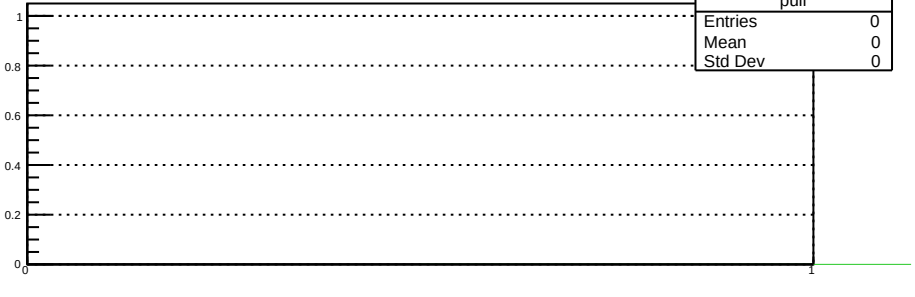
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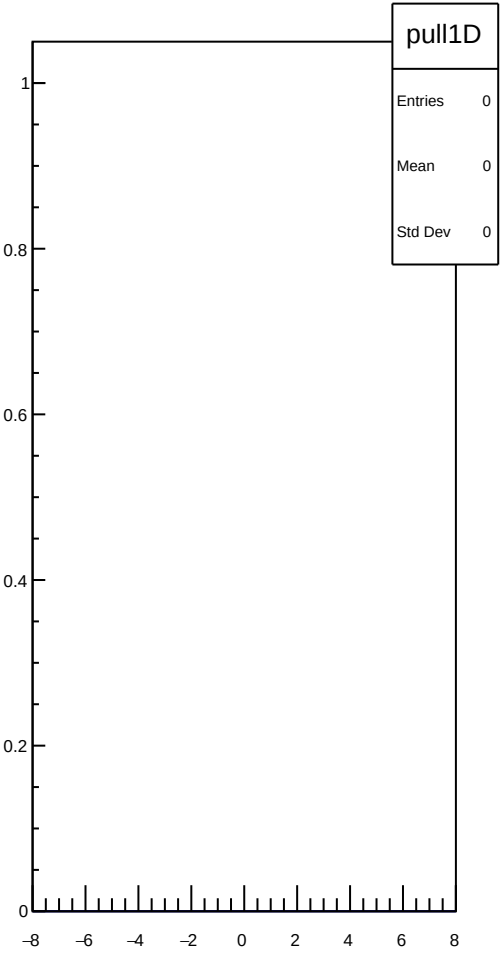
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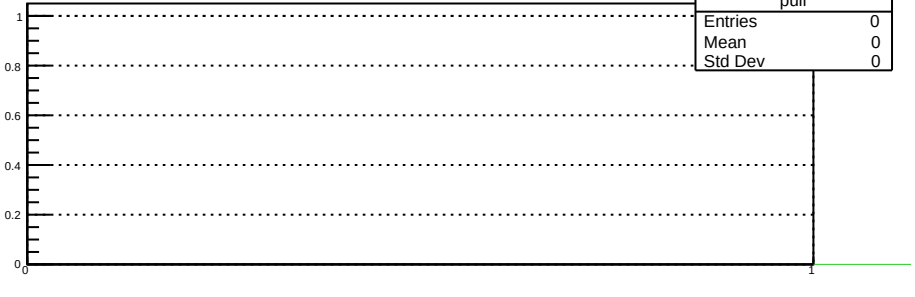
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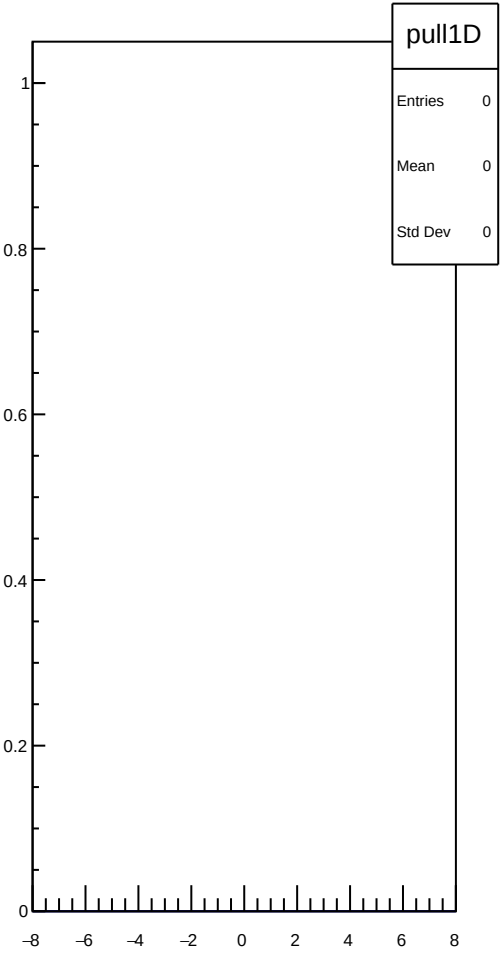
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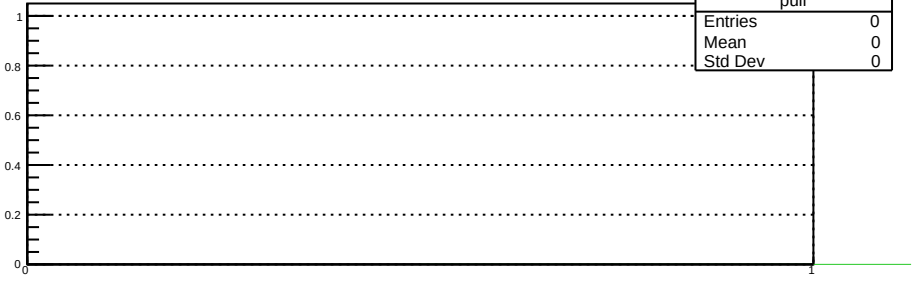
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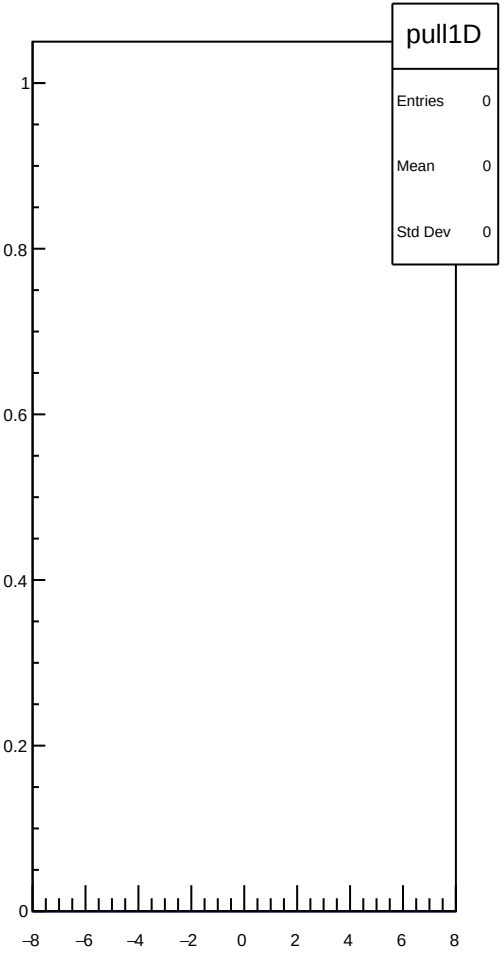
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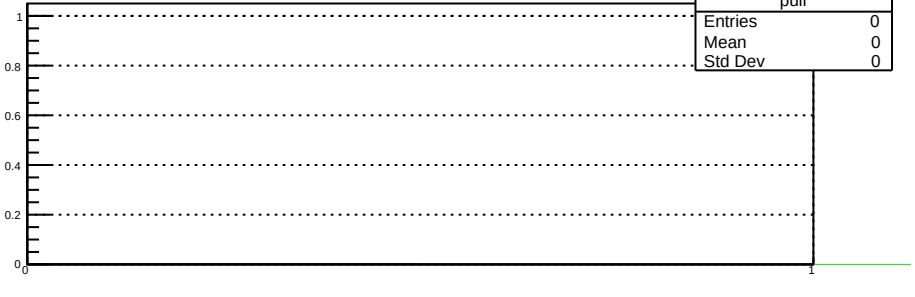
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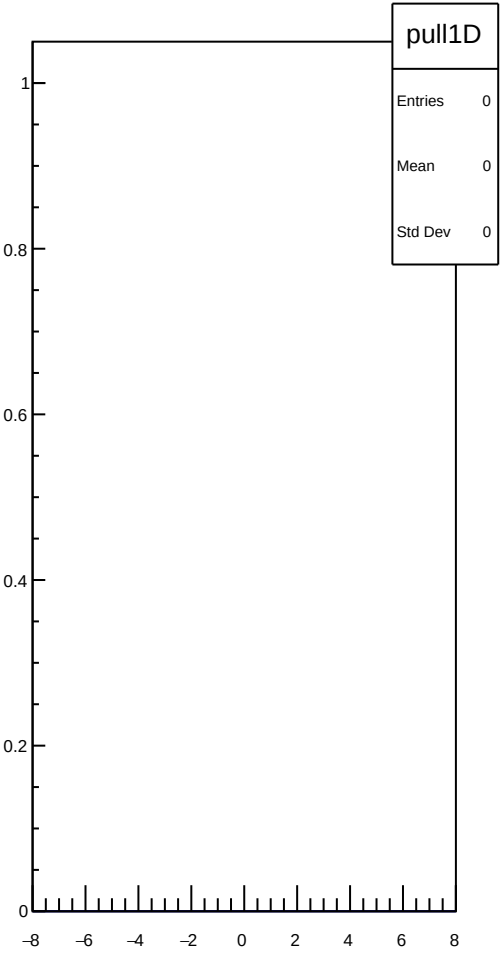
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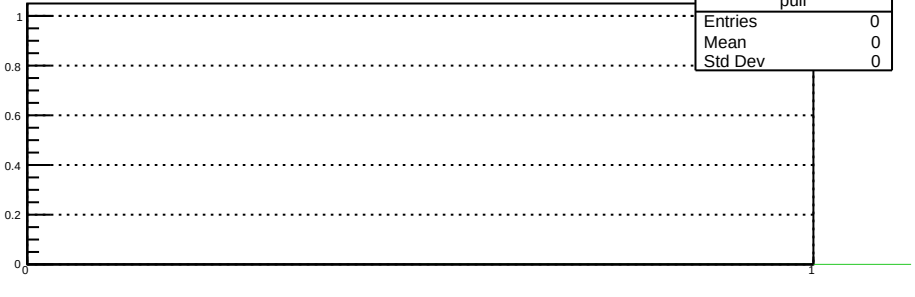
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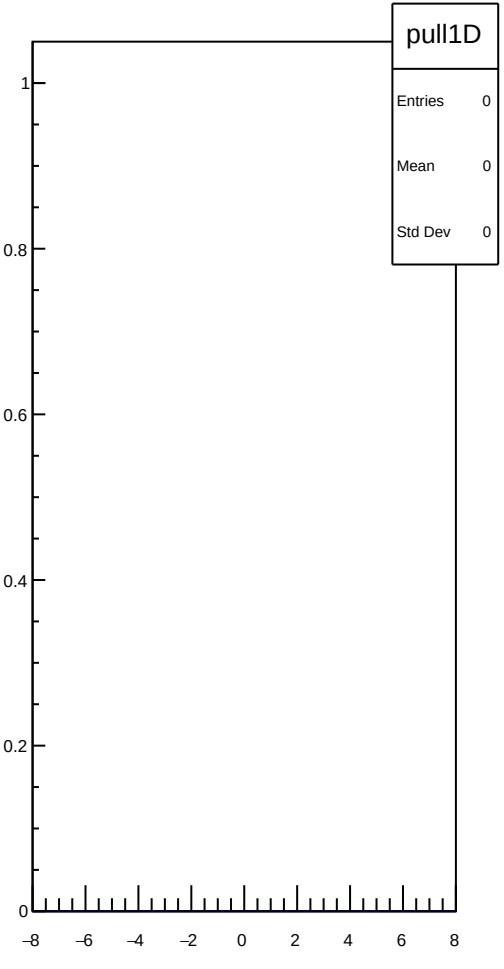
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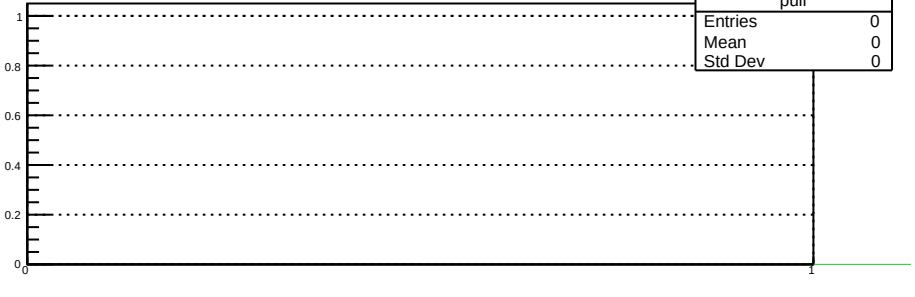
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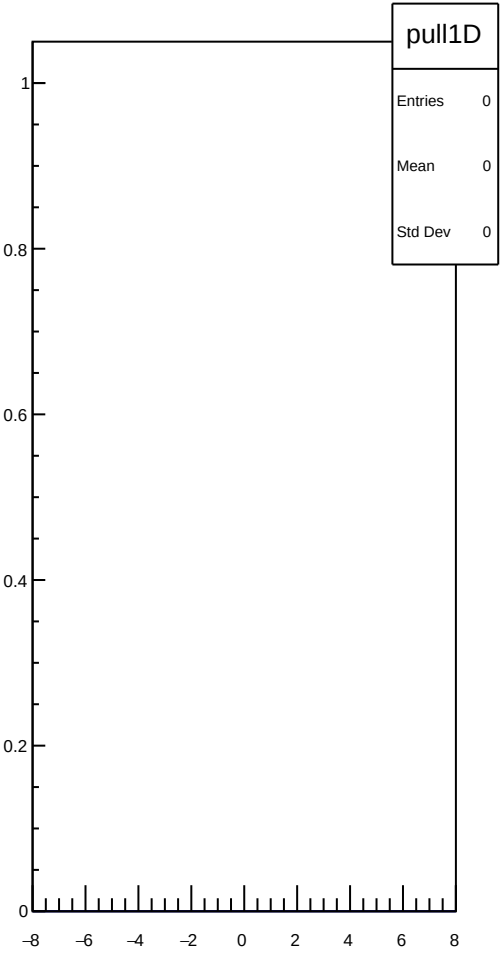
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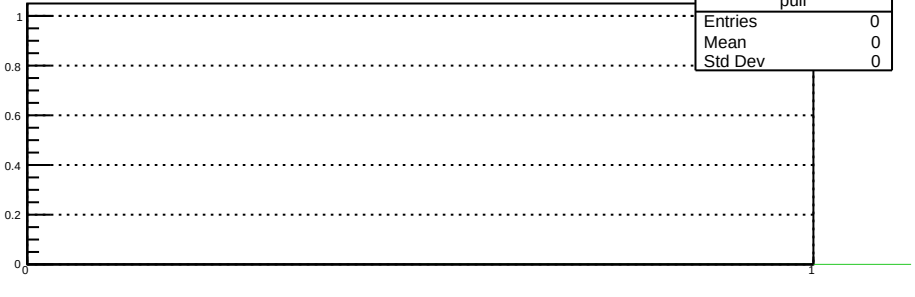
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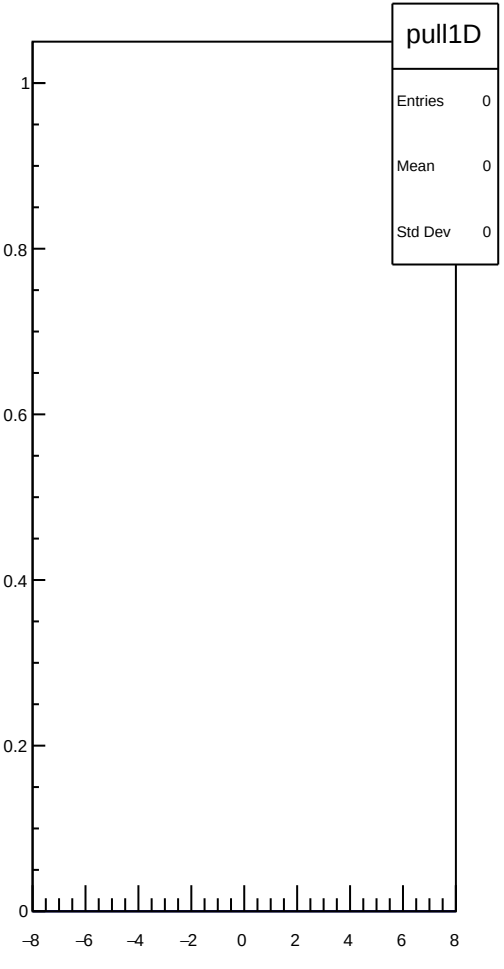
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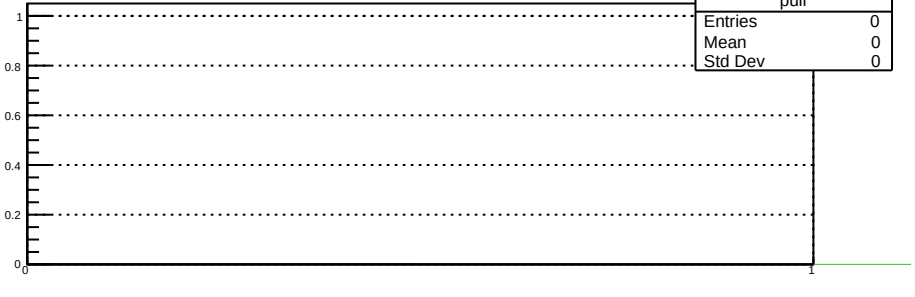
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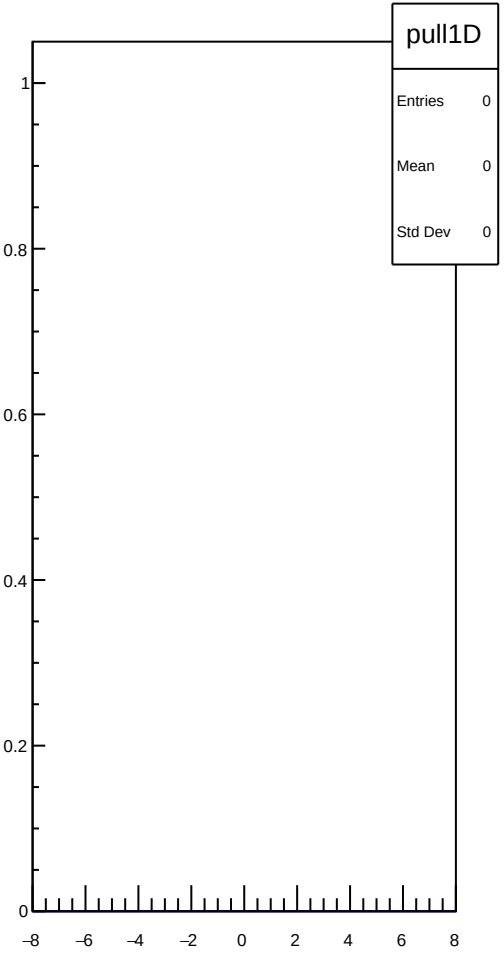
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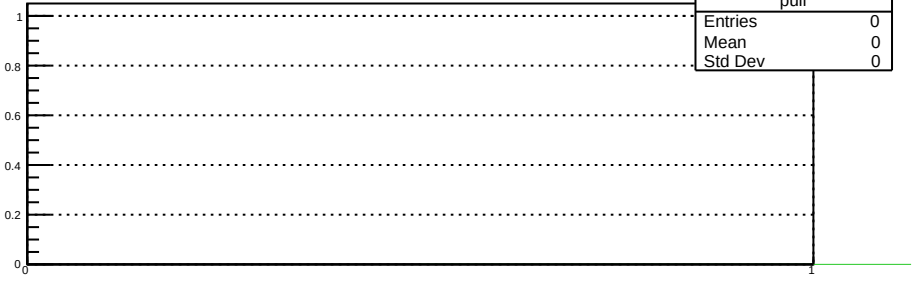
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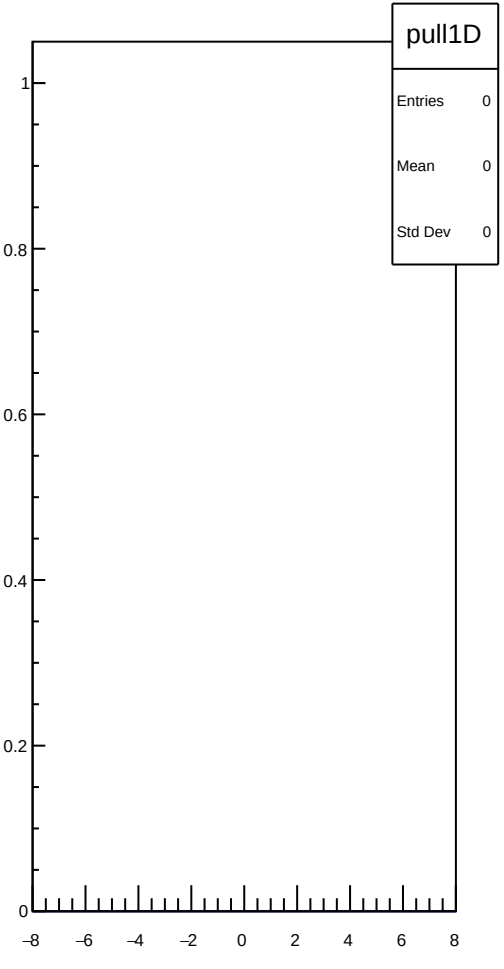
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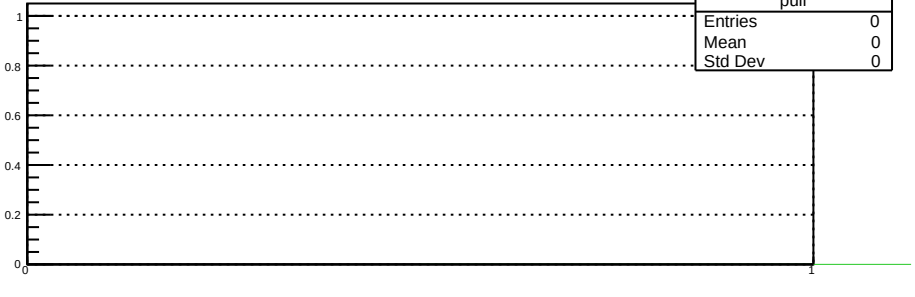
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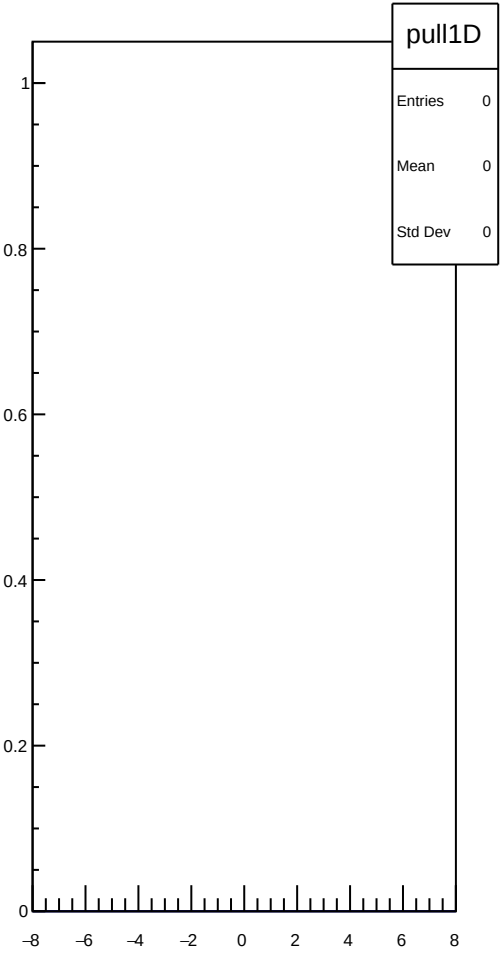
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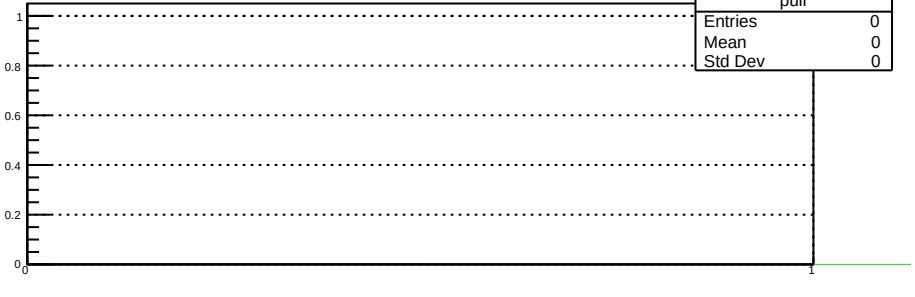
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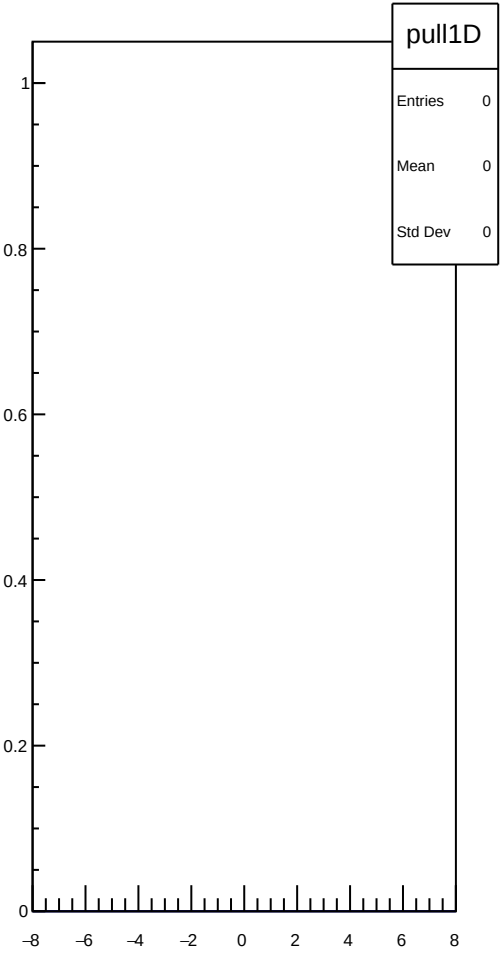
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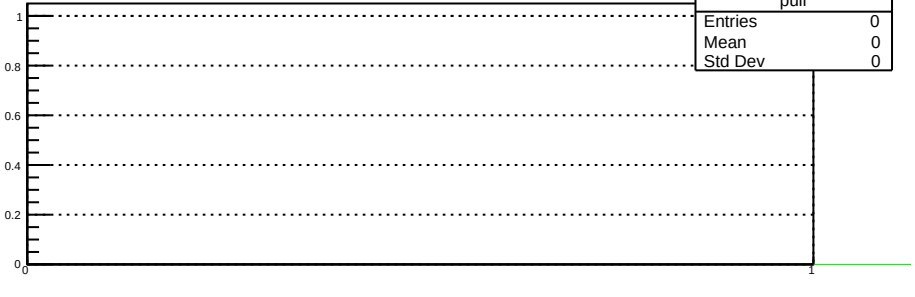
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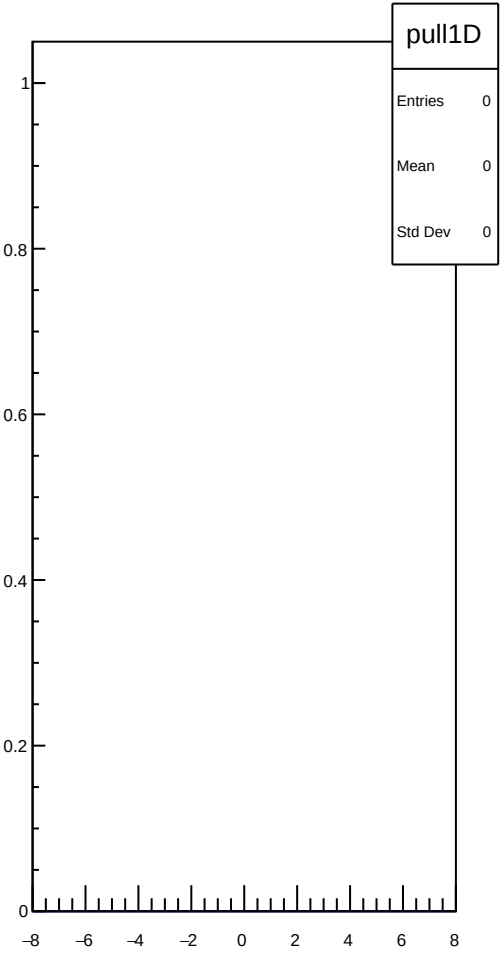
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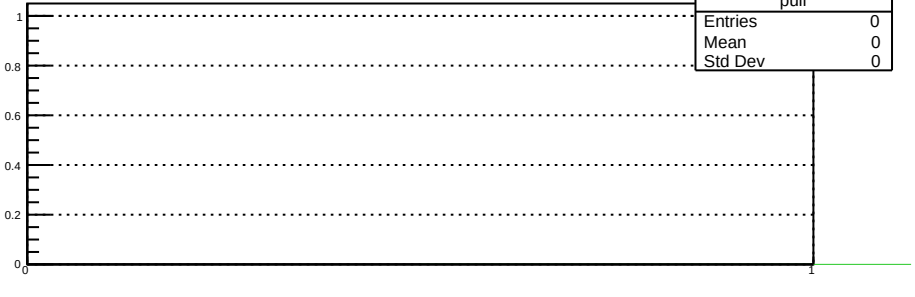
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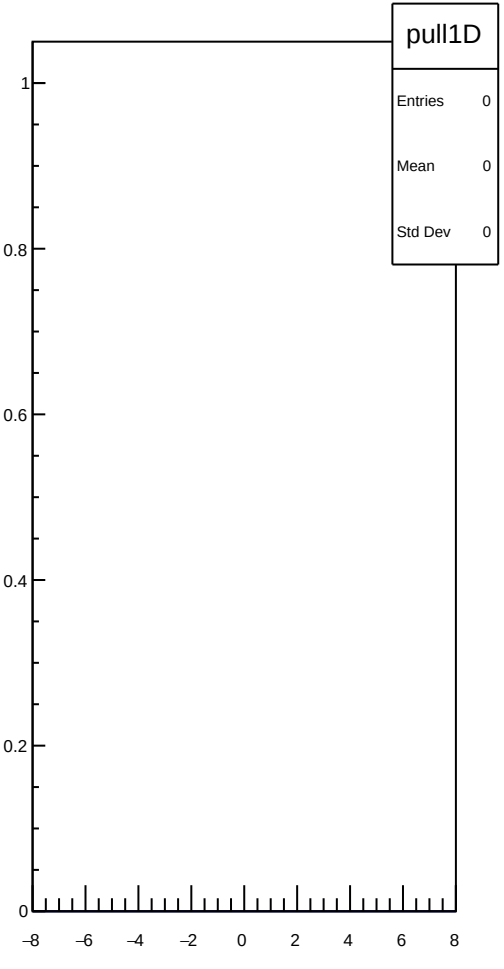
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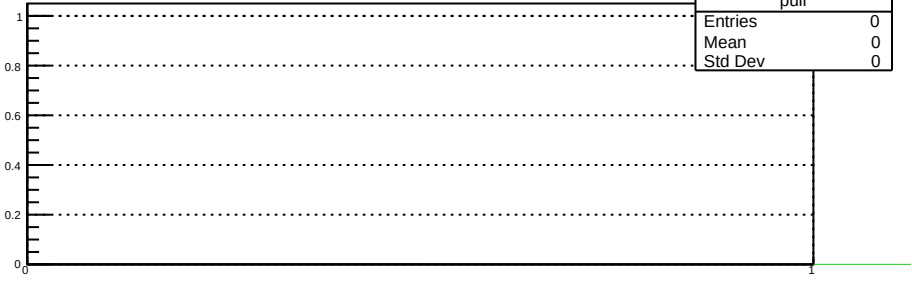
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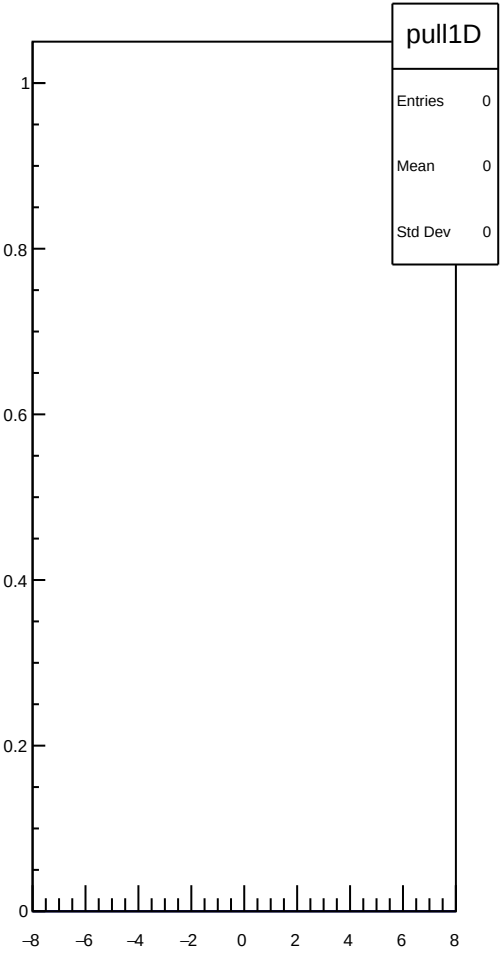
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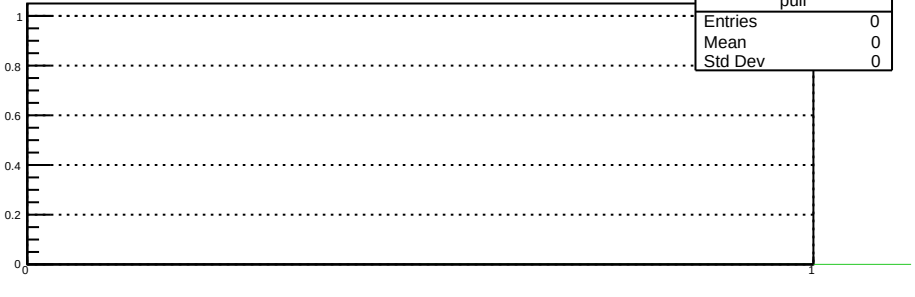
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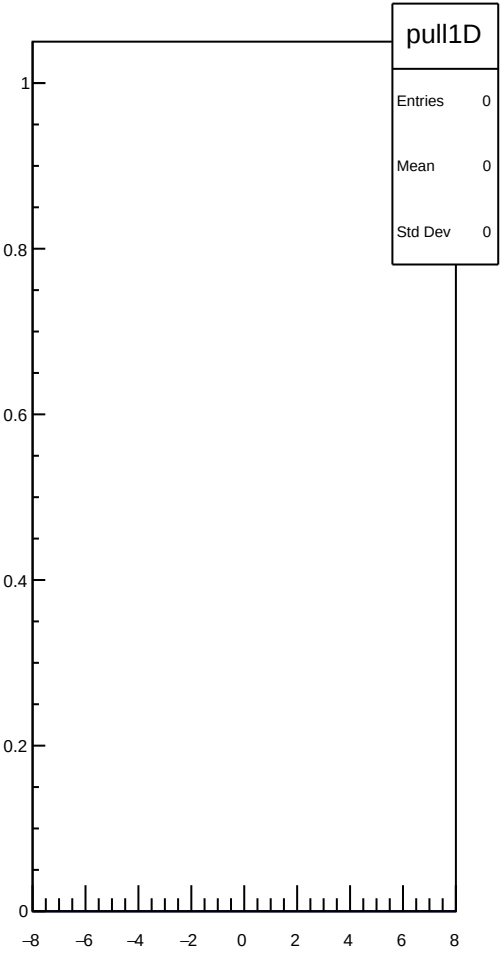
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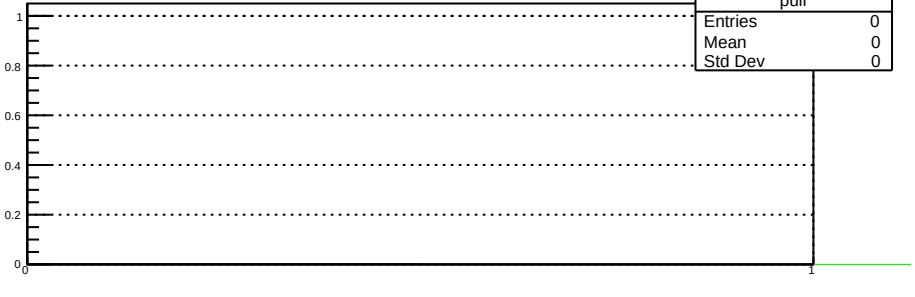
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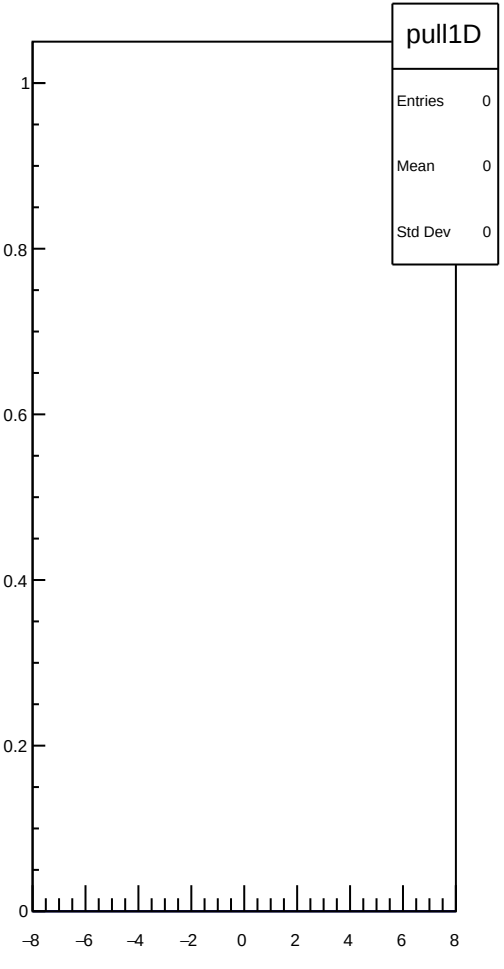
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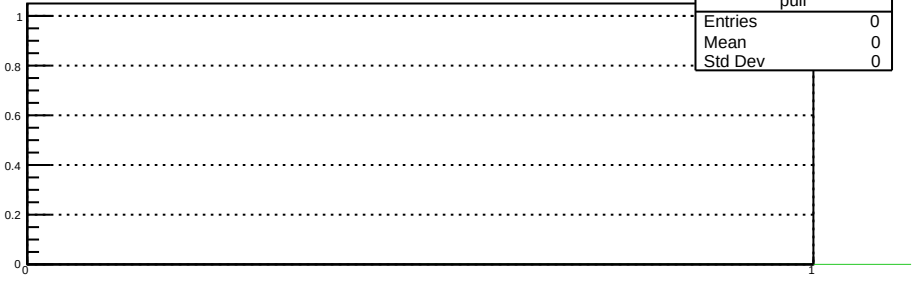
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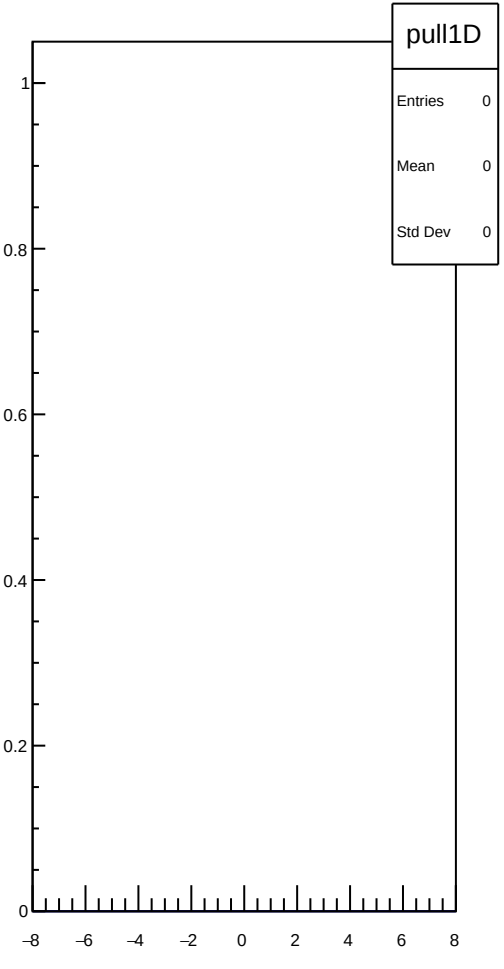
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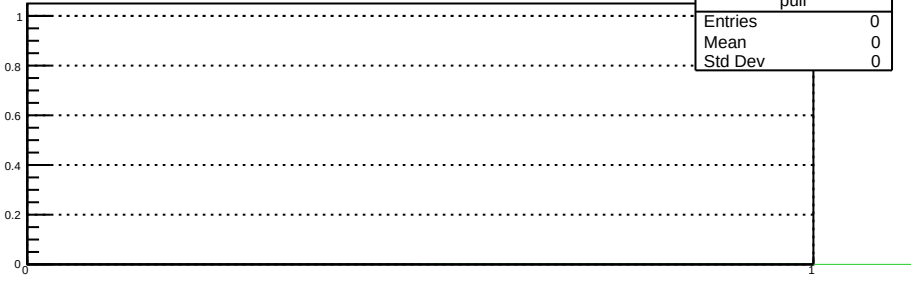
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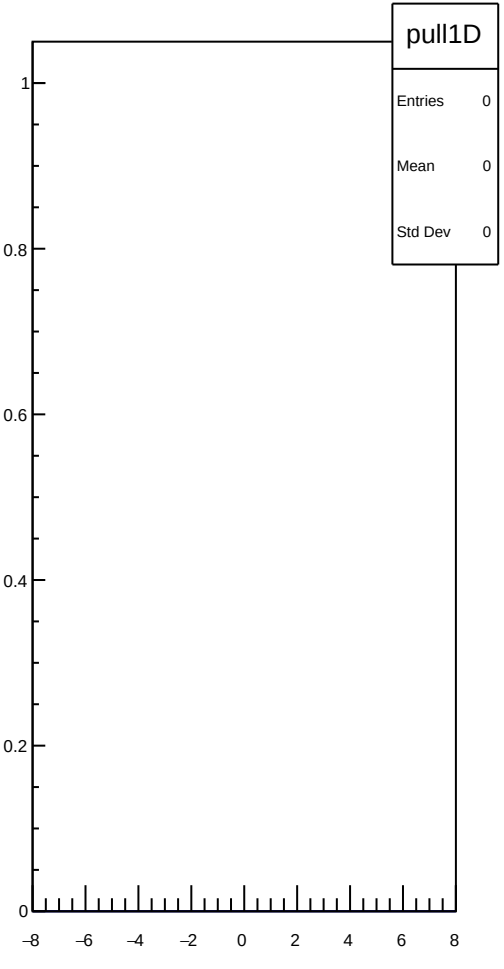
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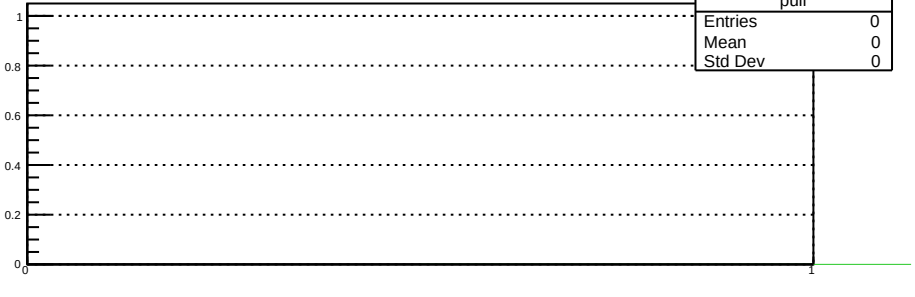
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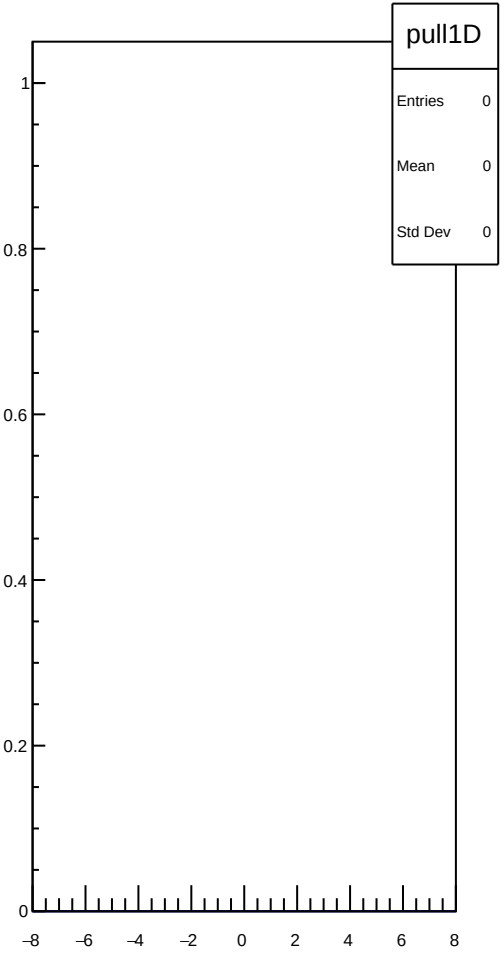
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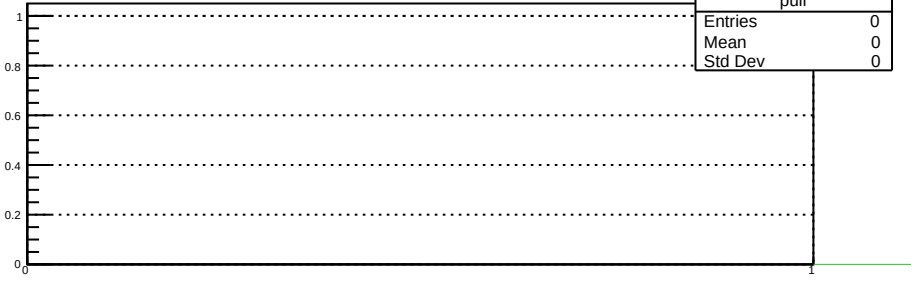
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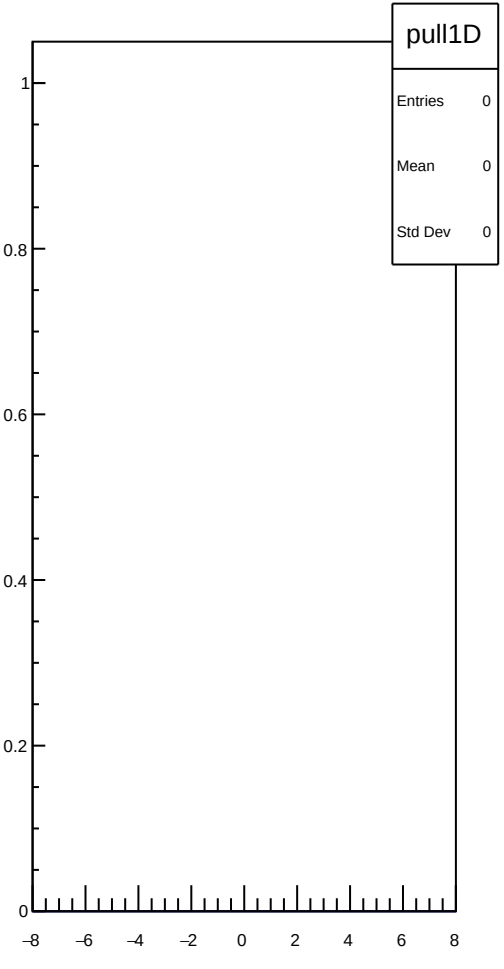
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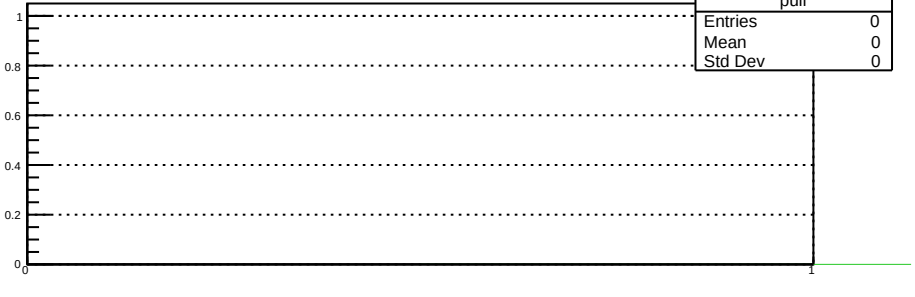
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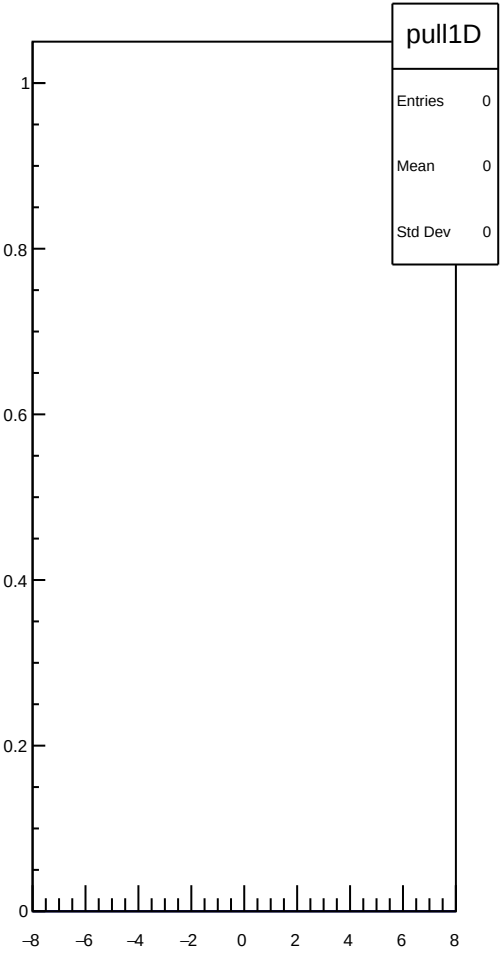
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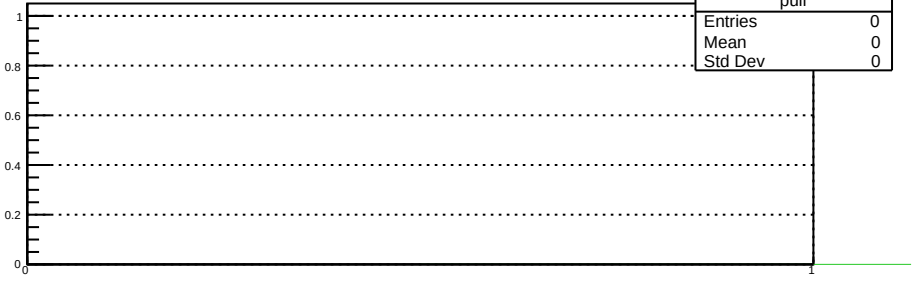
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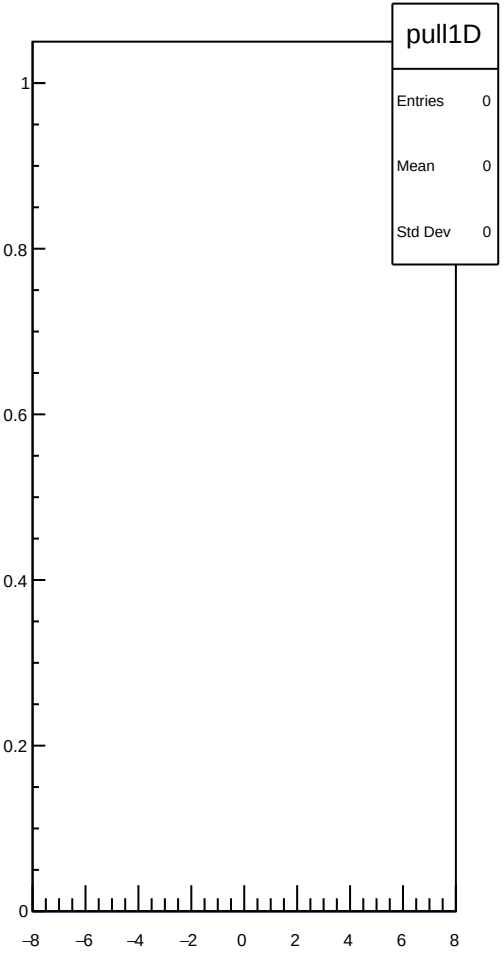
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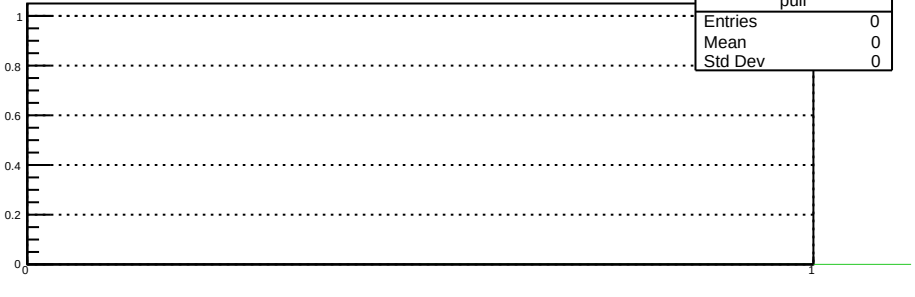
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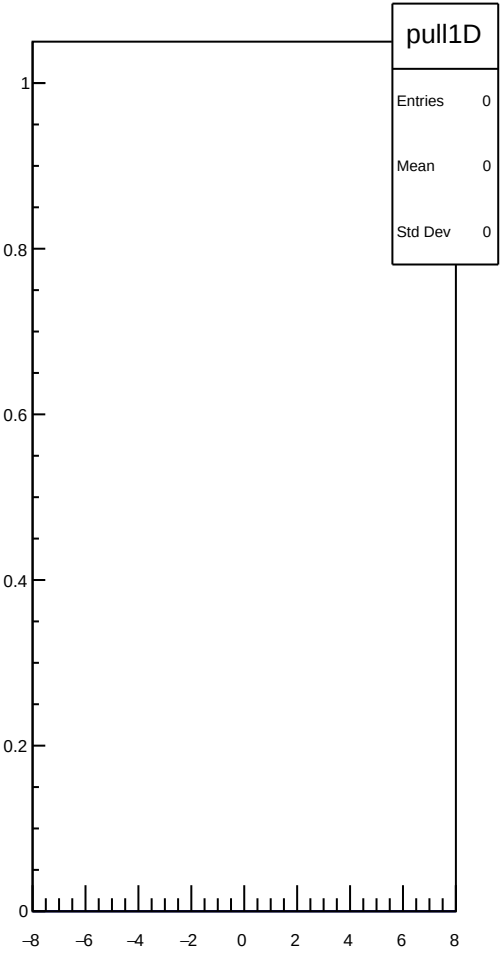
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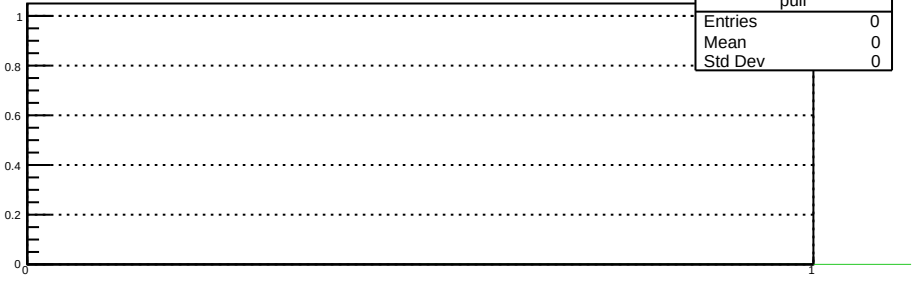
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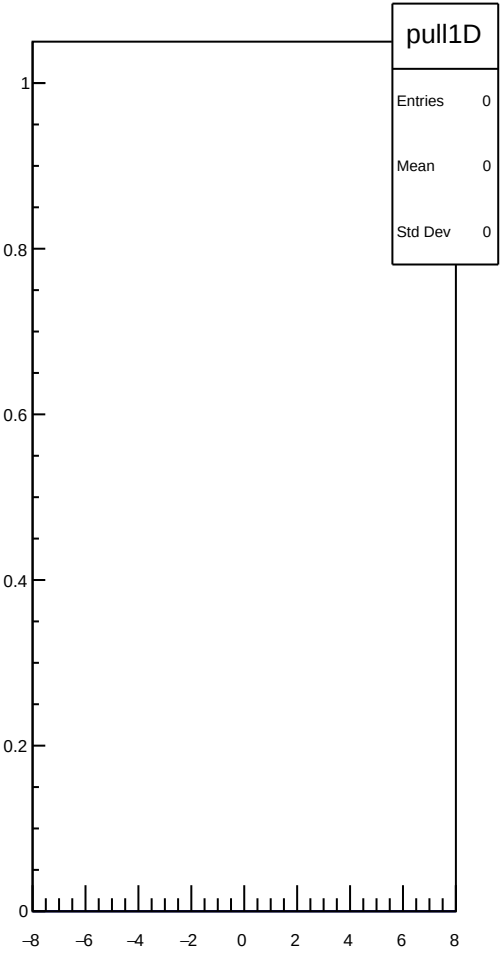
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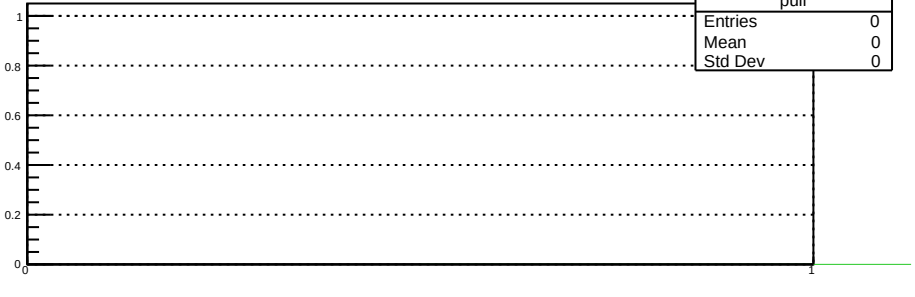
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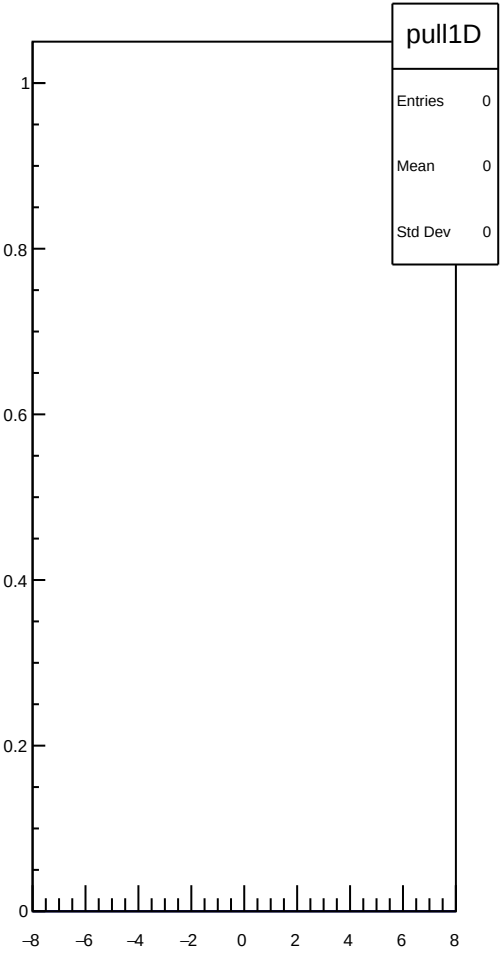
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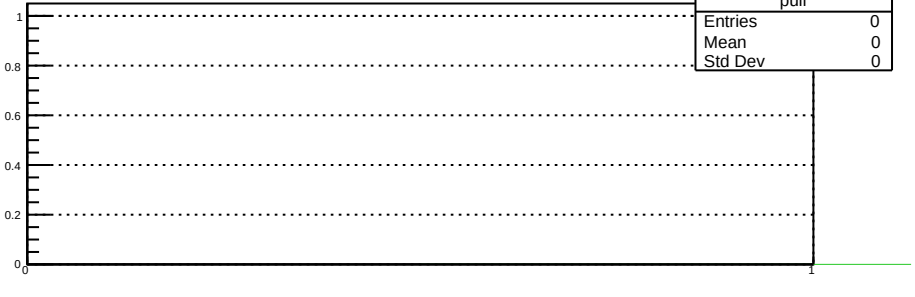
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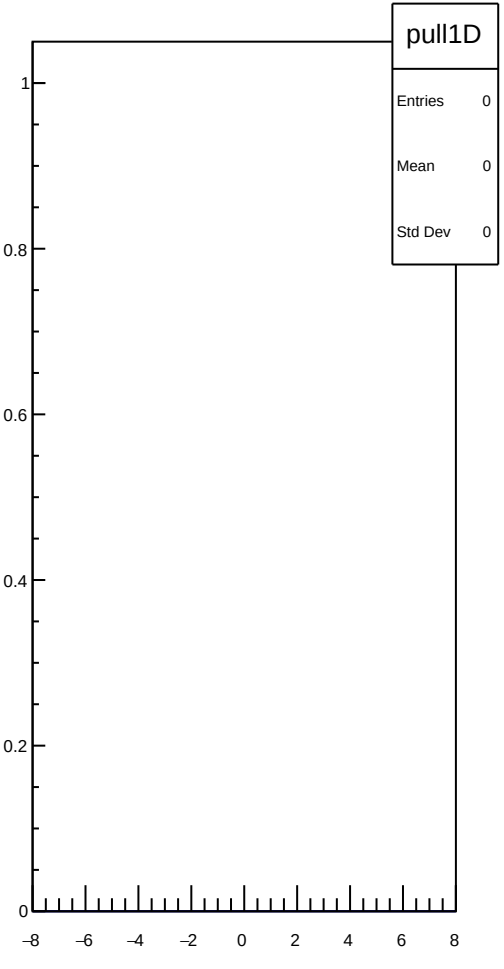
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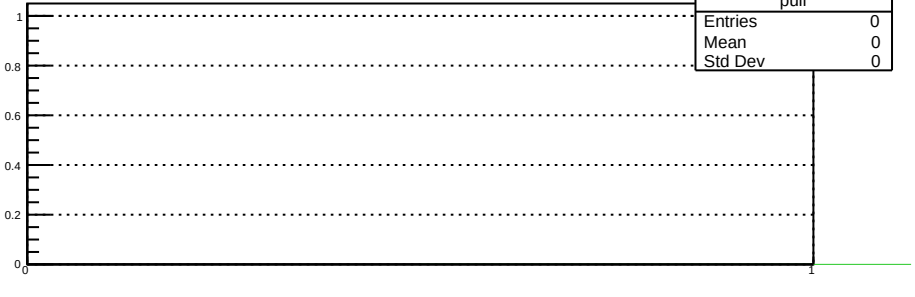
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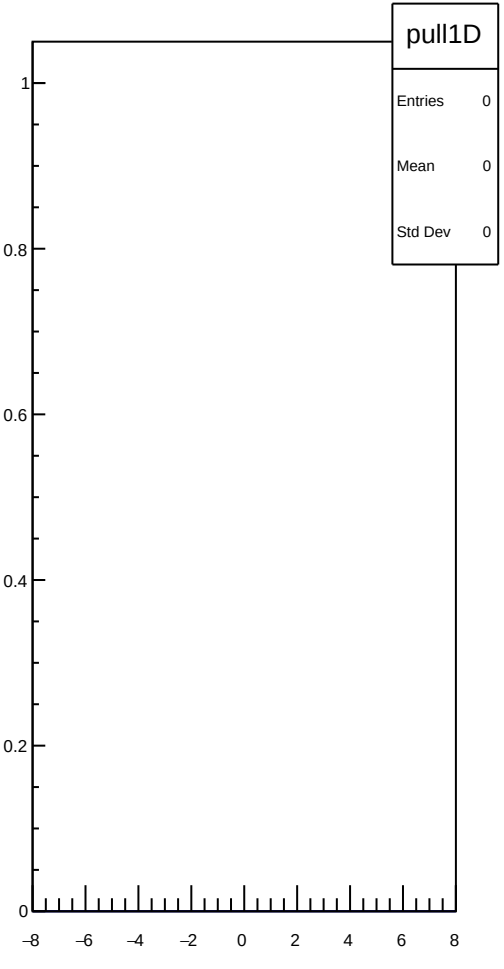
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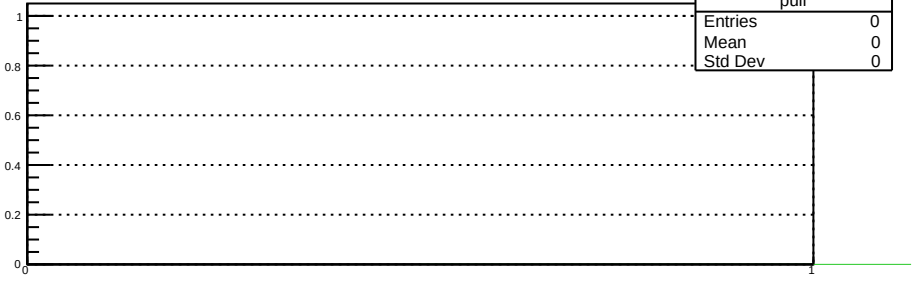
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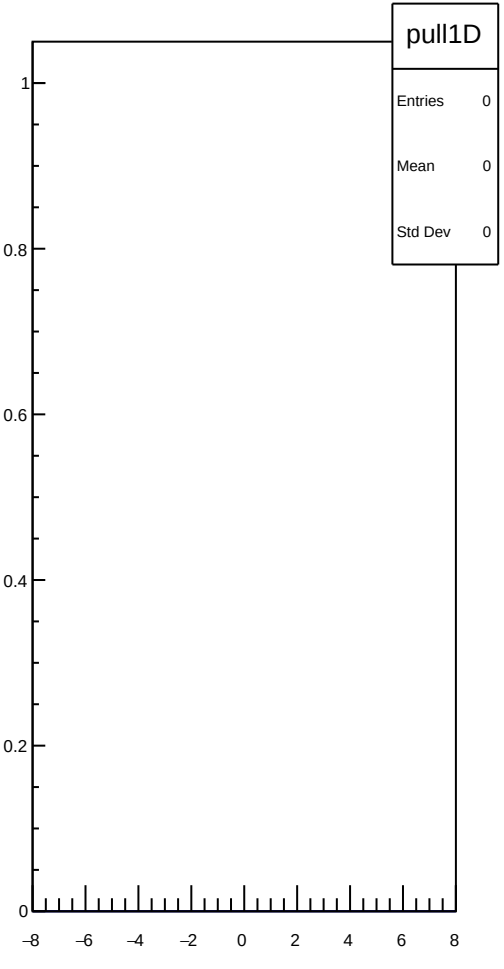
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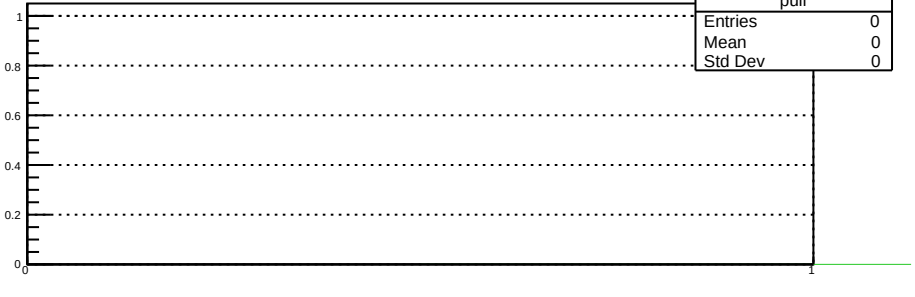
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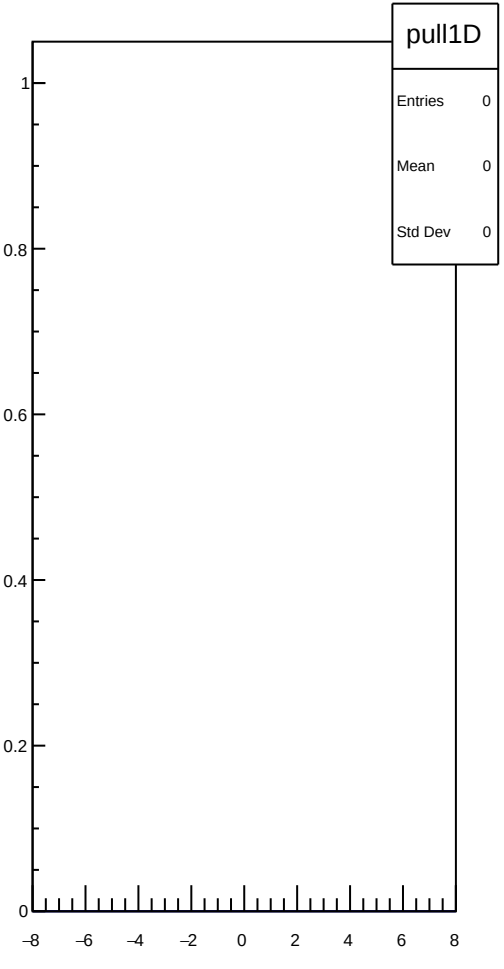
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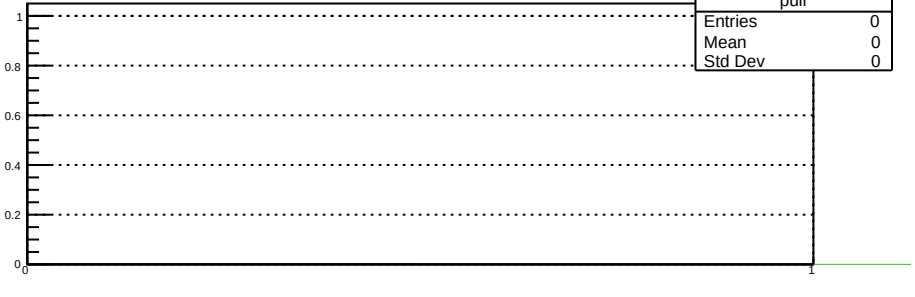
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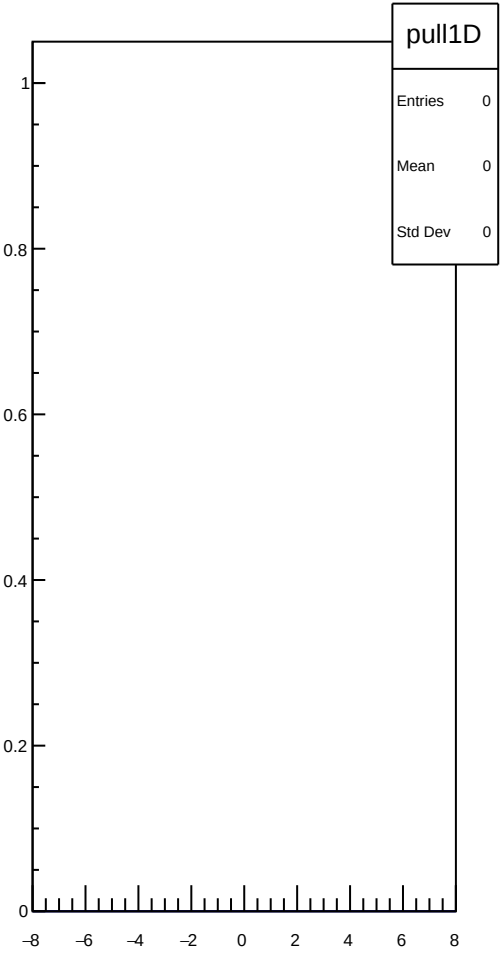
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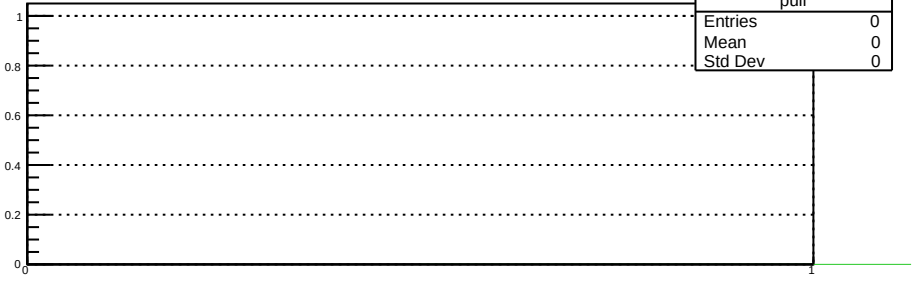
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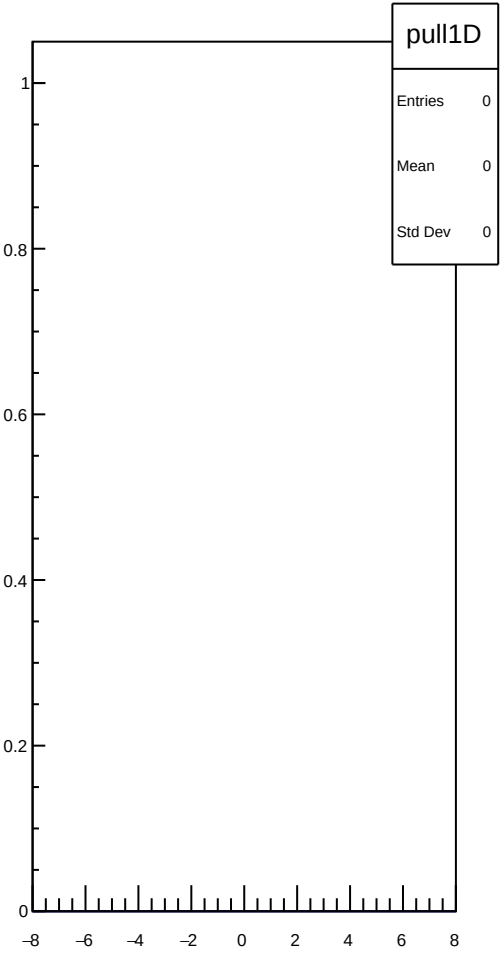
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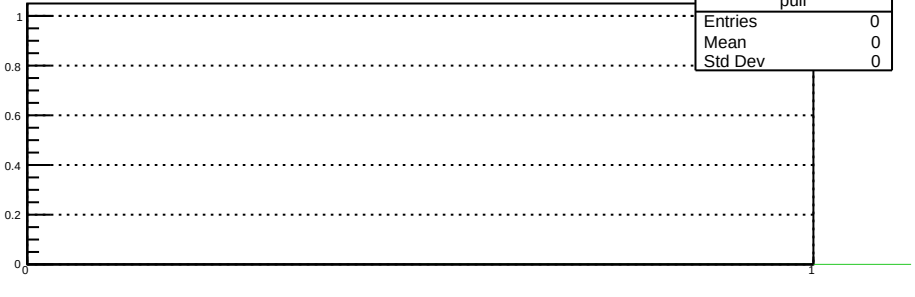
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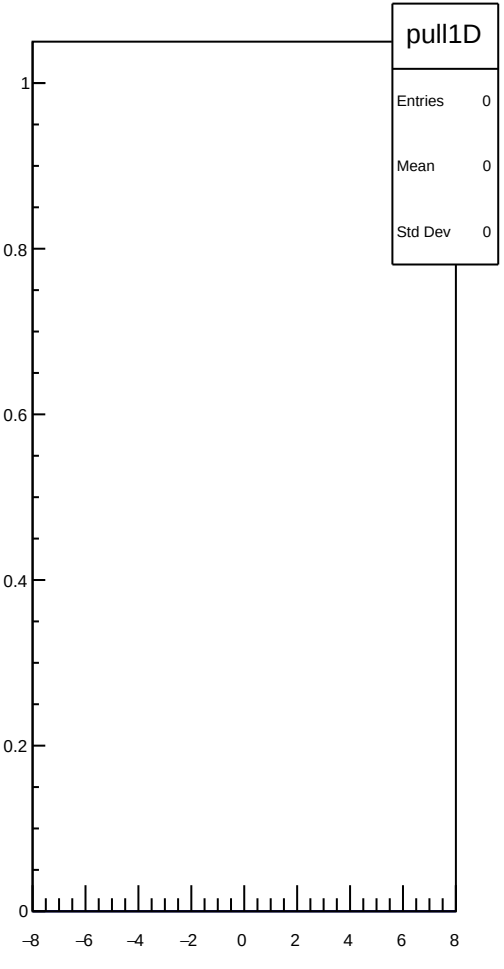
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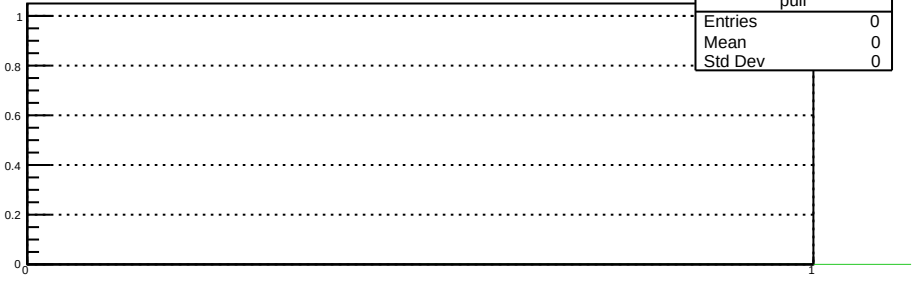
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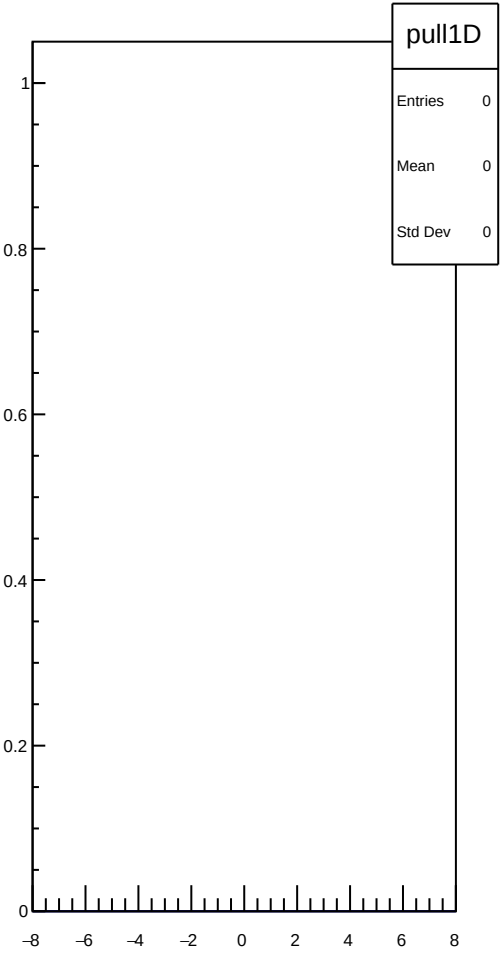
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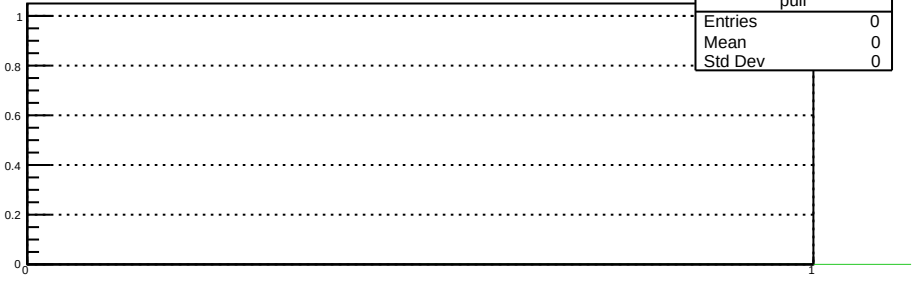
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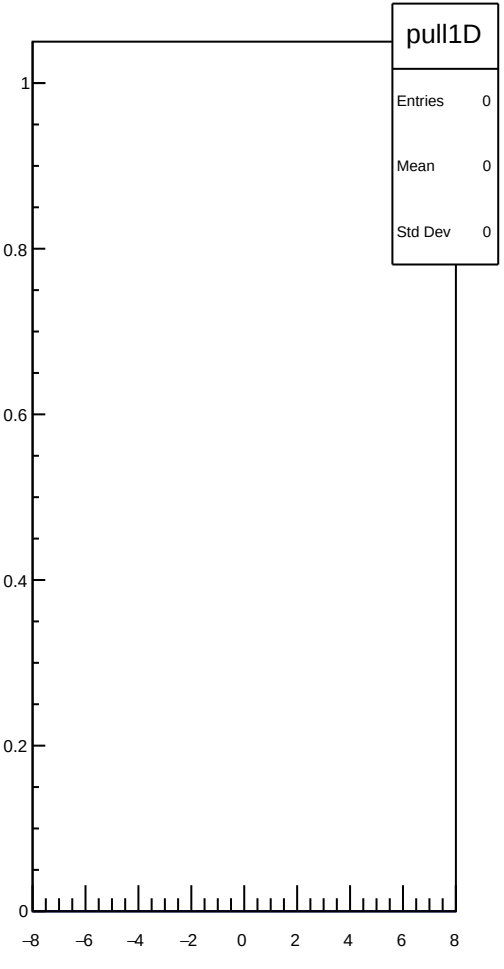
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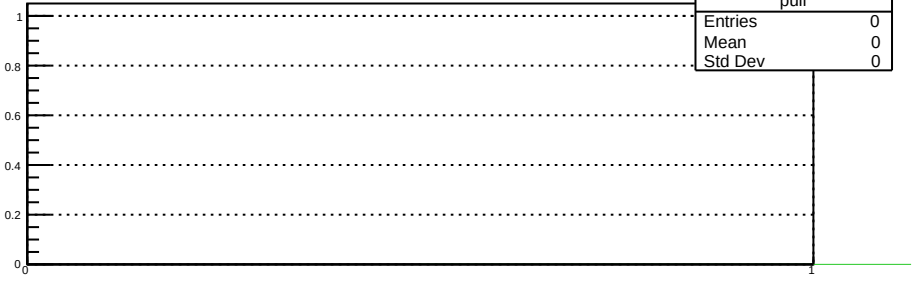
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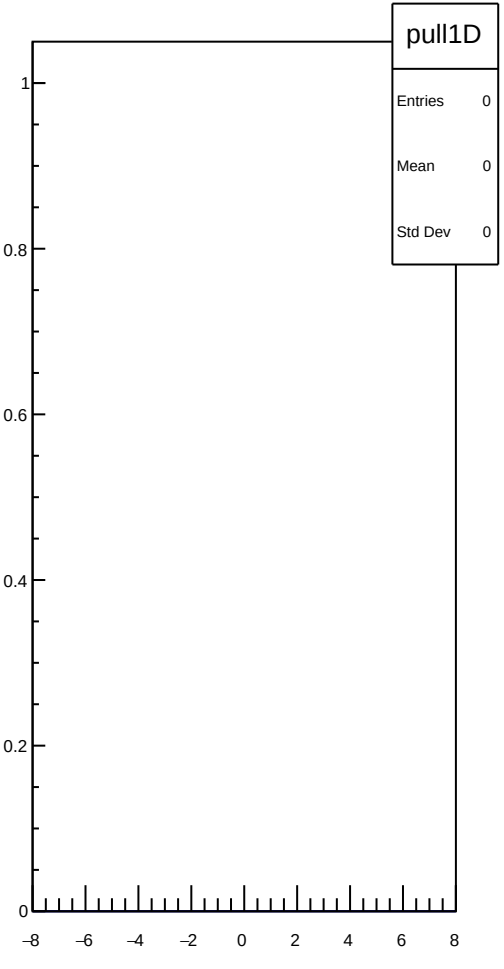
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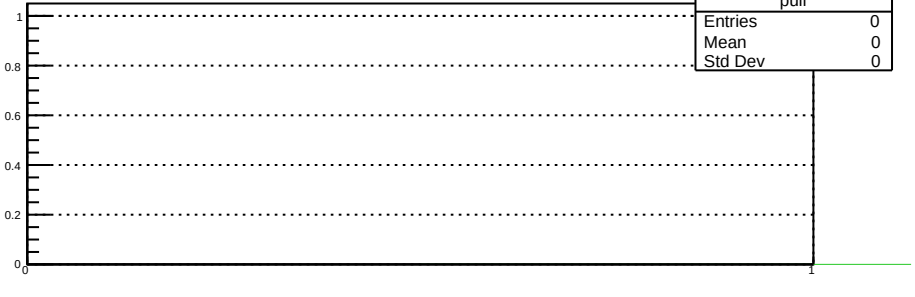
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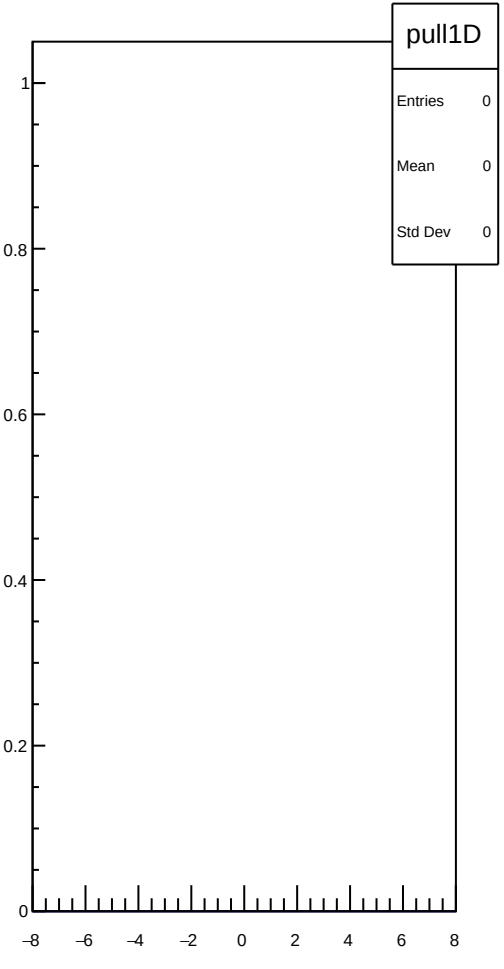
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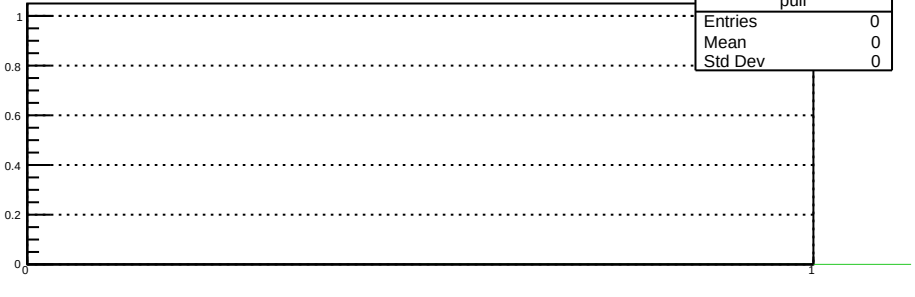
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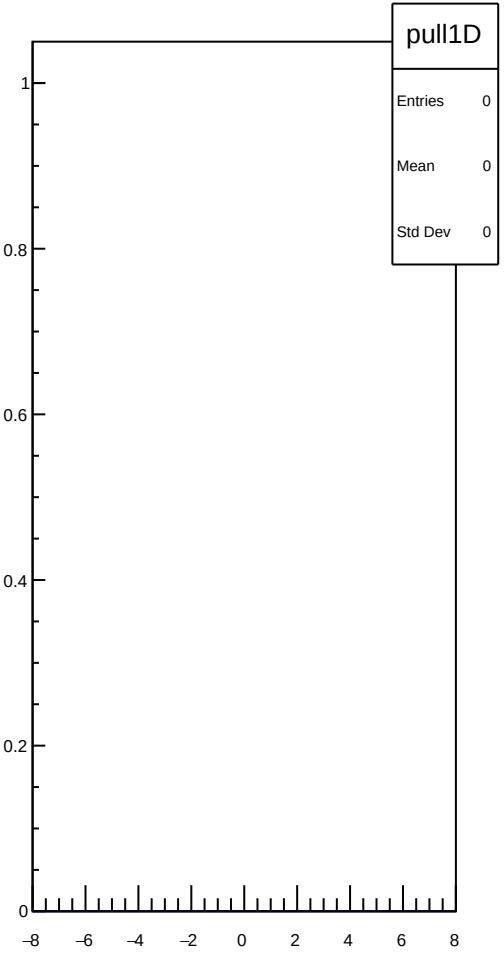
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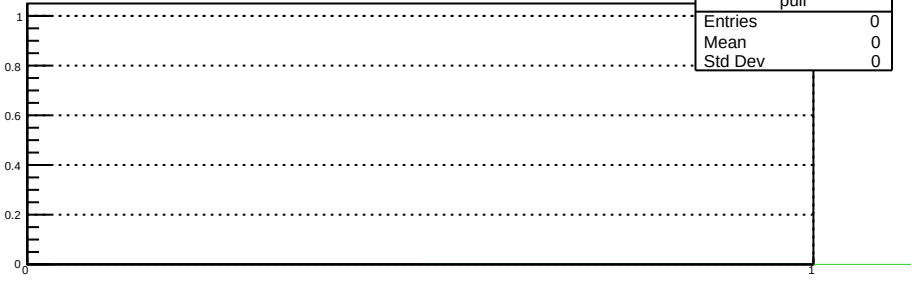
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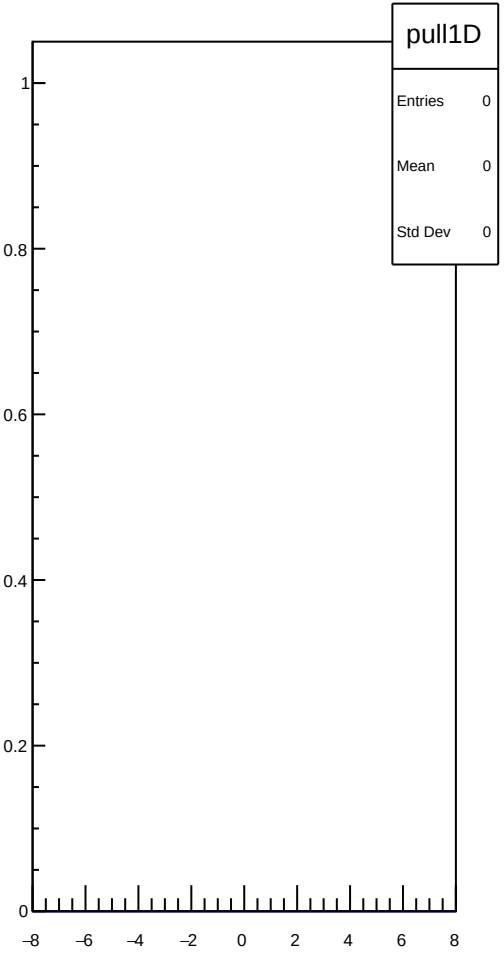
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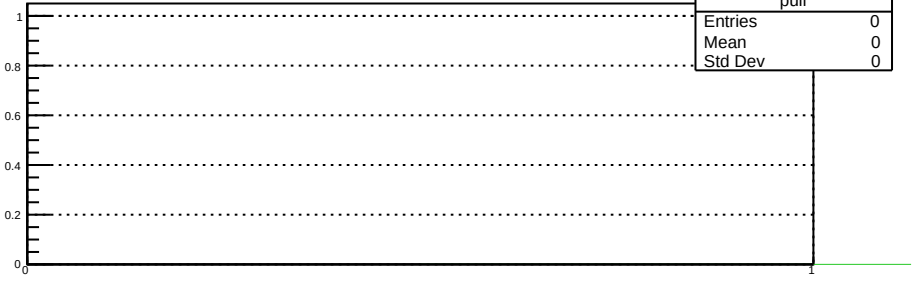
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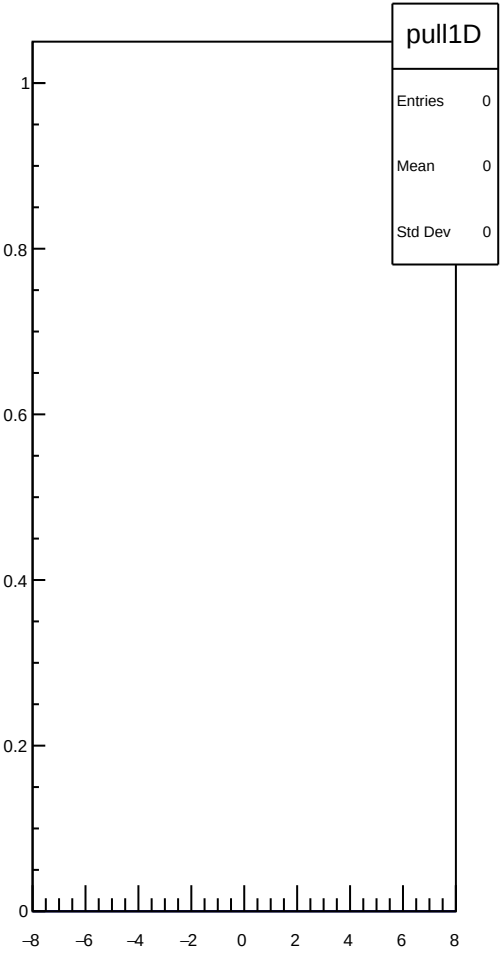
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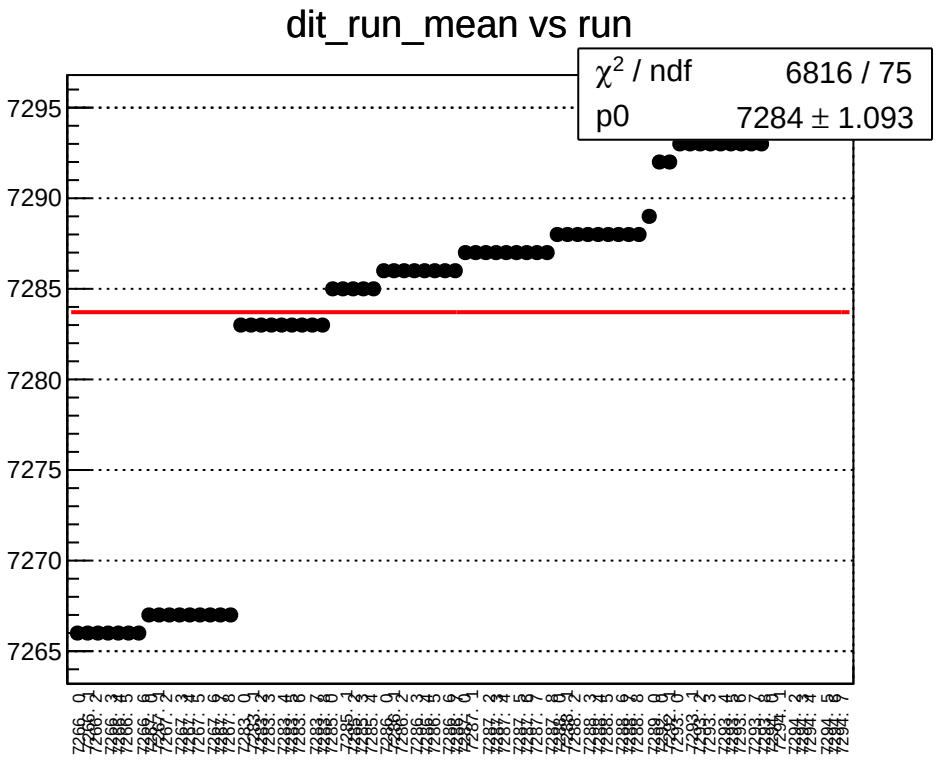
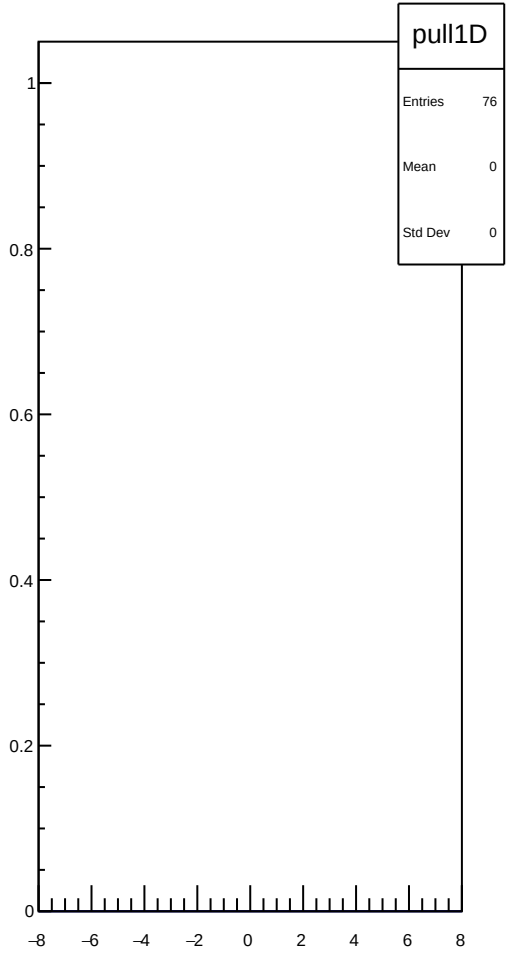

dit_run_mean vs run
χ^2 / ndf 6816 / 75
p0 7284 ± 1.093
7295
7290
7285
7280
7275
7270
7265


pull1D
Entries 76
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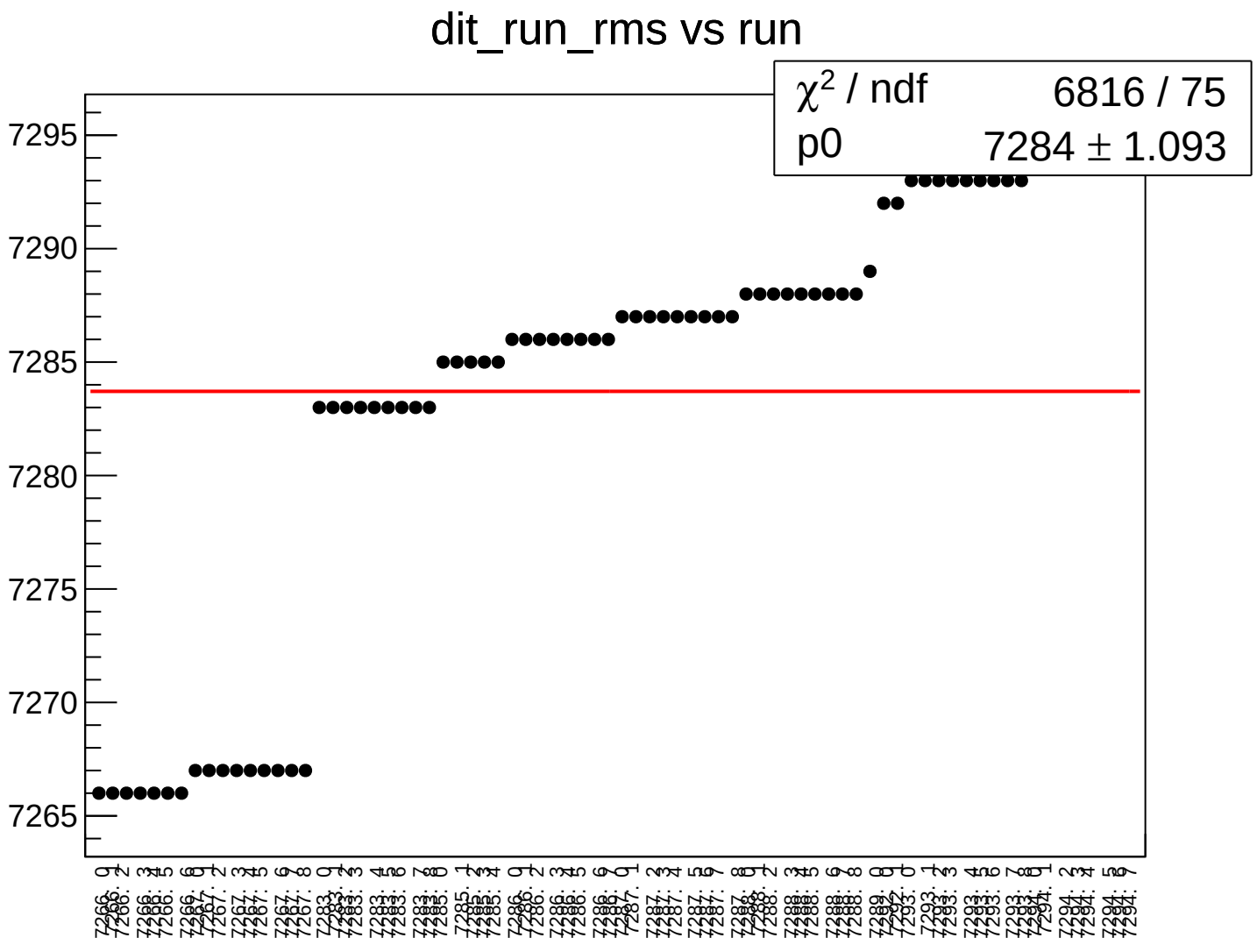
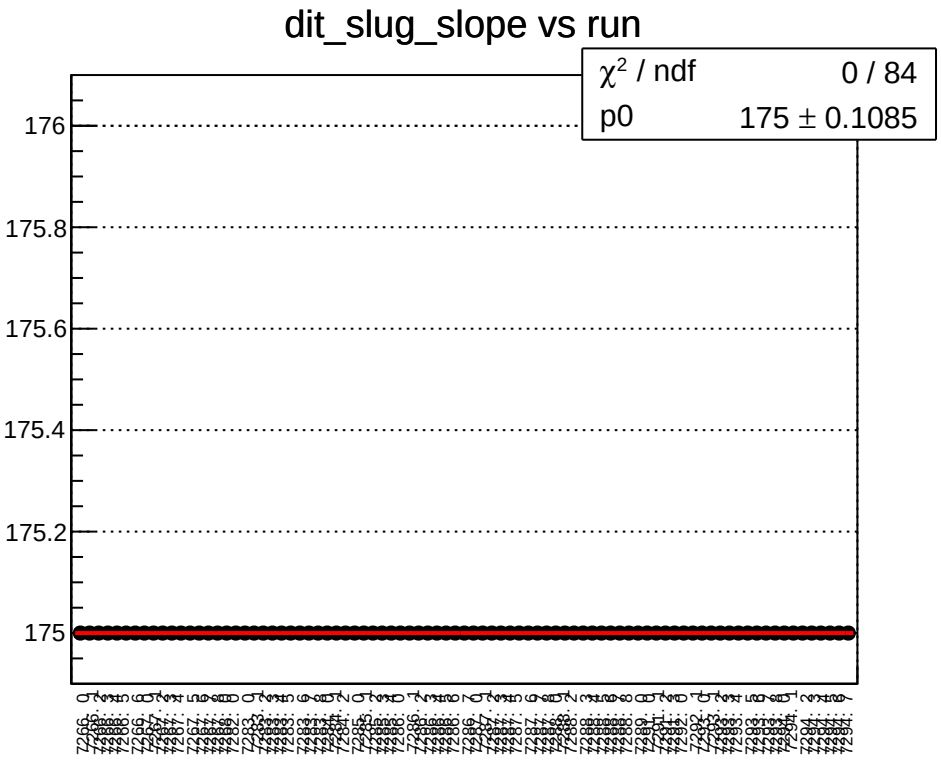
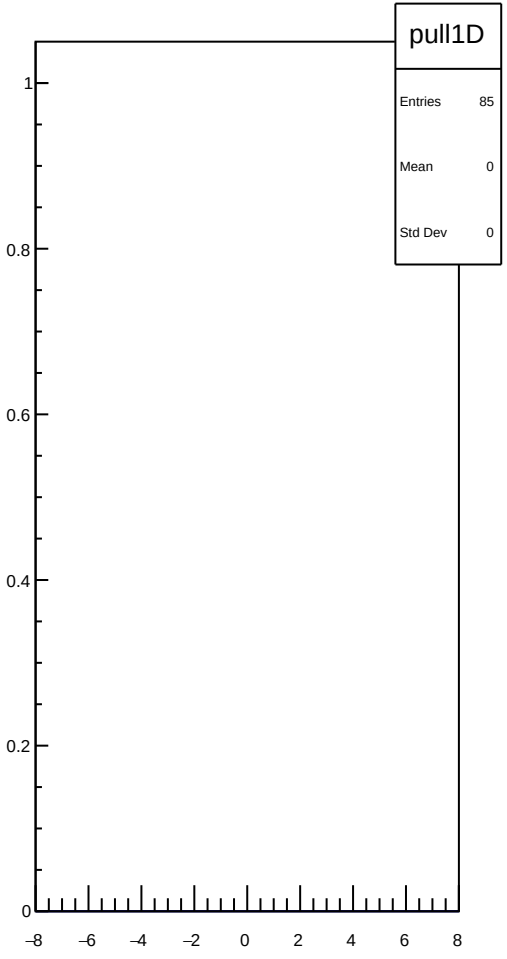

dit_run_rms vs run
χ² / ndf 6816 / 75
p0 7284 ± 1.093
7295
7290
7285
7280
7275
7270
7265


dit_slug_slope vs run
χ^2 / ndf 0 / 84
p0 175 ± 0.1085
176
175.8
175.6
175.4
175.2
175


pull1D
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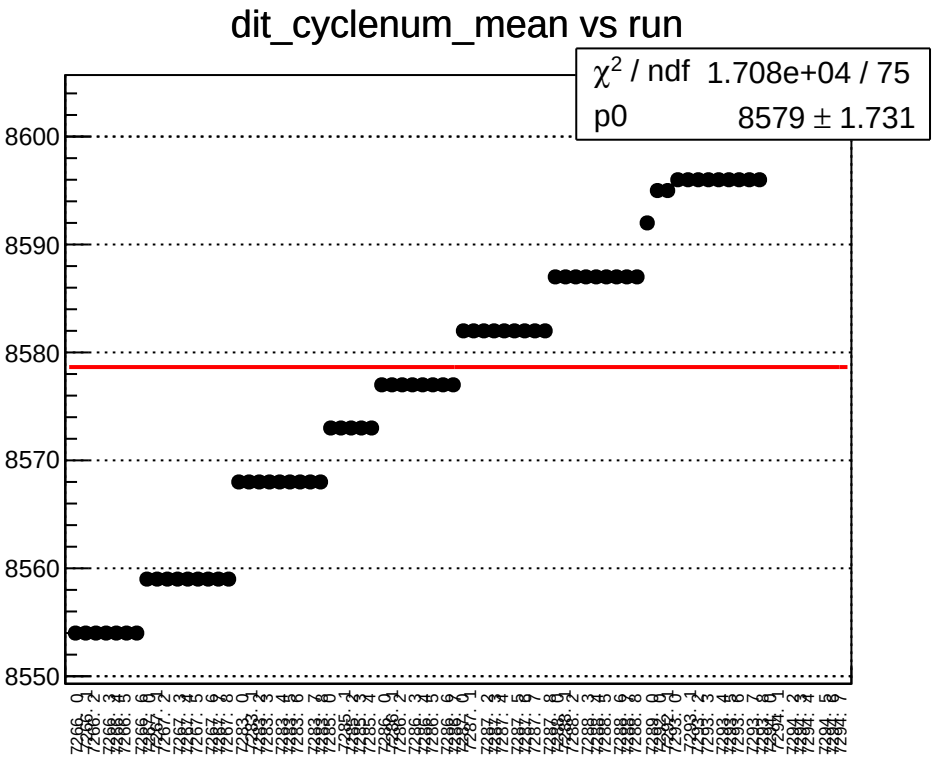
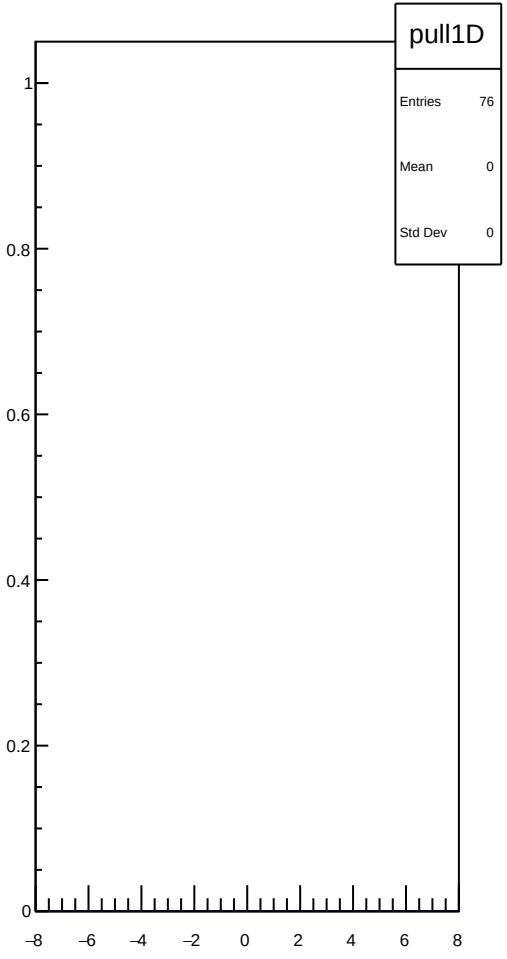

dit_cyclenum_mean vs run
χ^2 / ndf 1.708e+04 / 75
p0 8579 ± 1.731
8600
8590
8580
8570
8560
8550


pull1D
Entries 76
Mean 0
Std Dev 0
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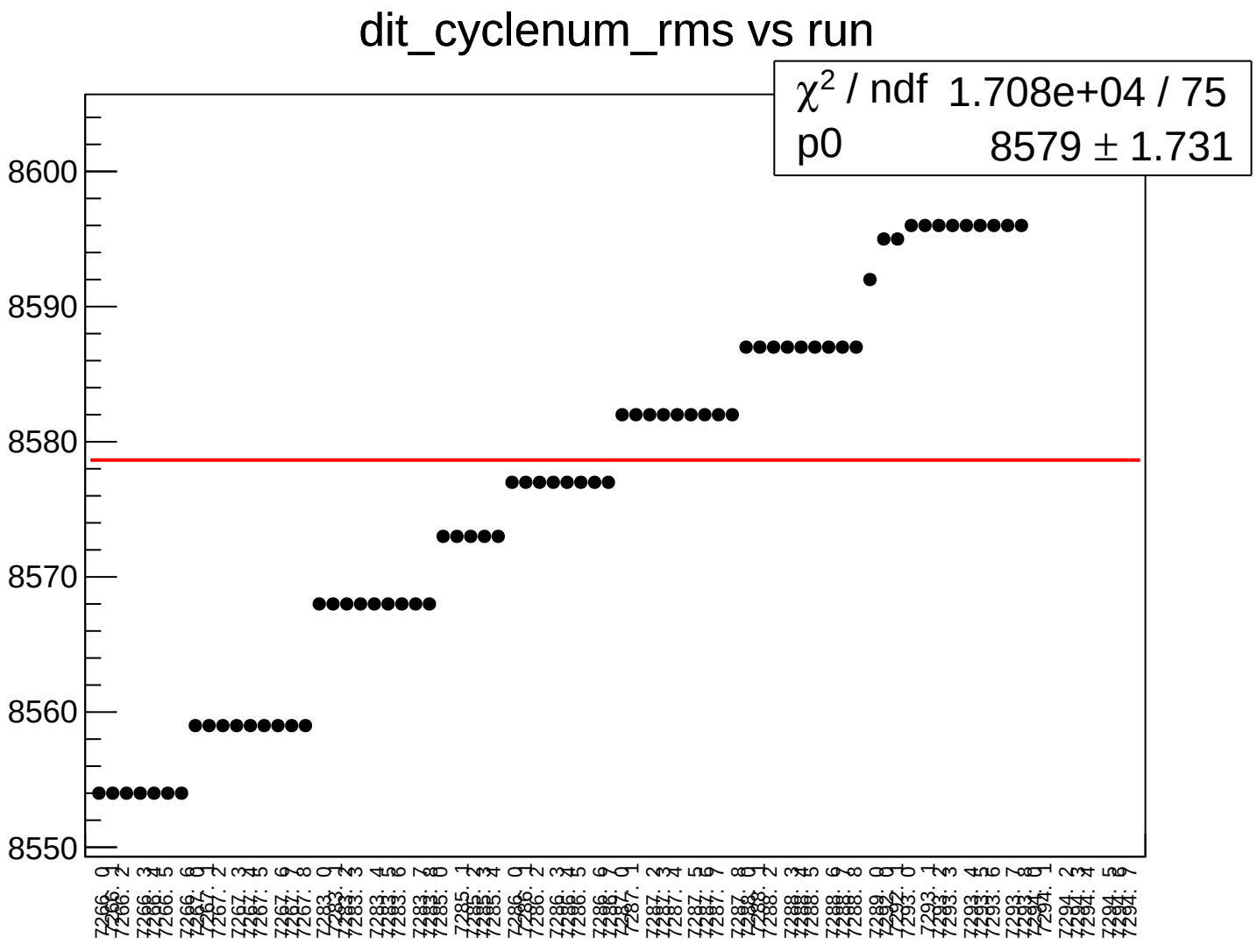
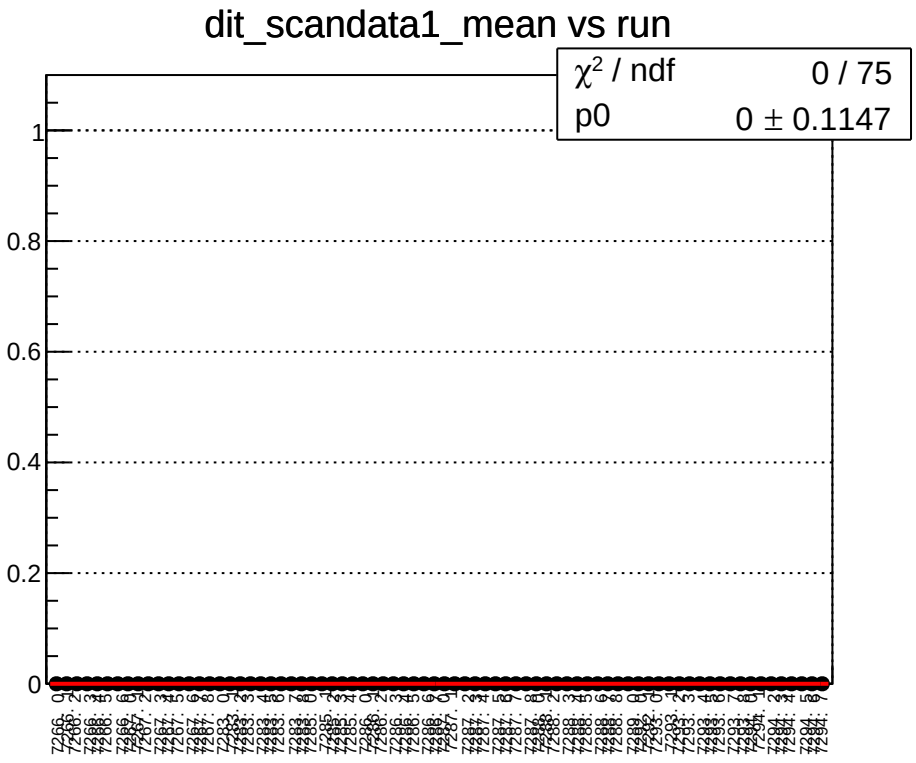
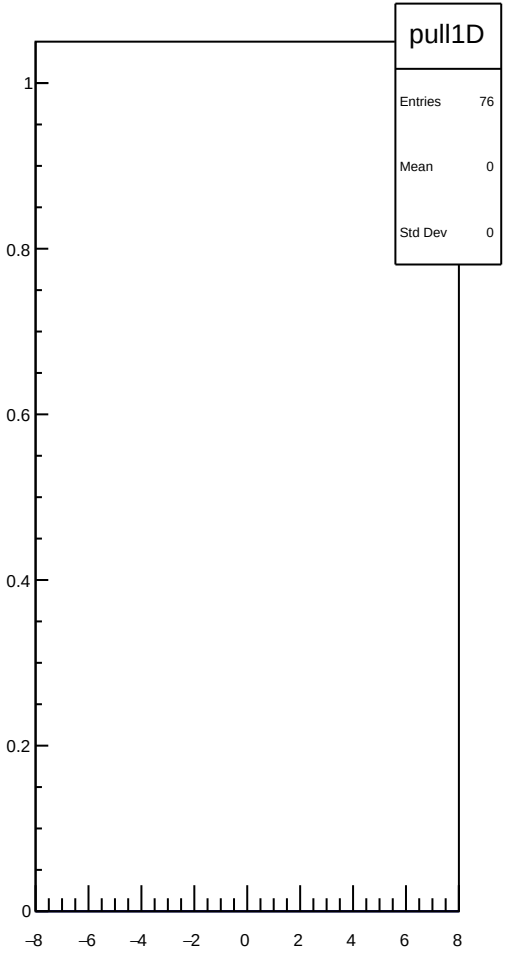
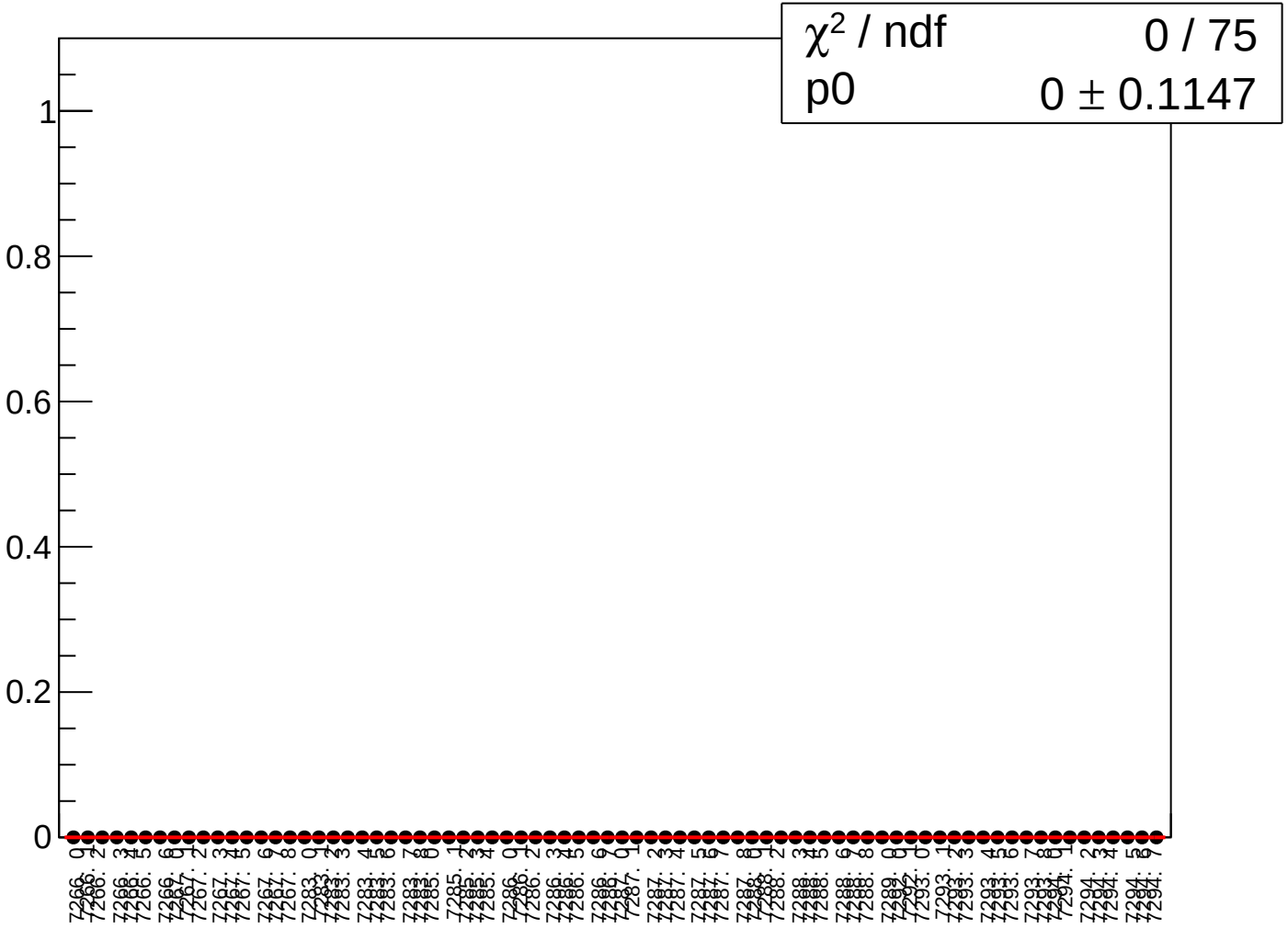
6
8

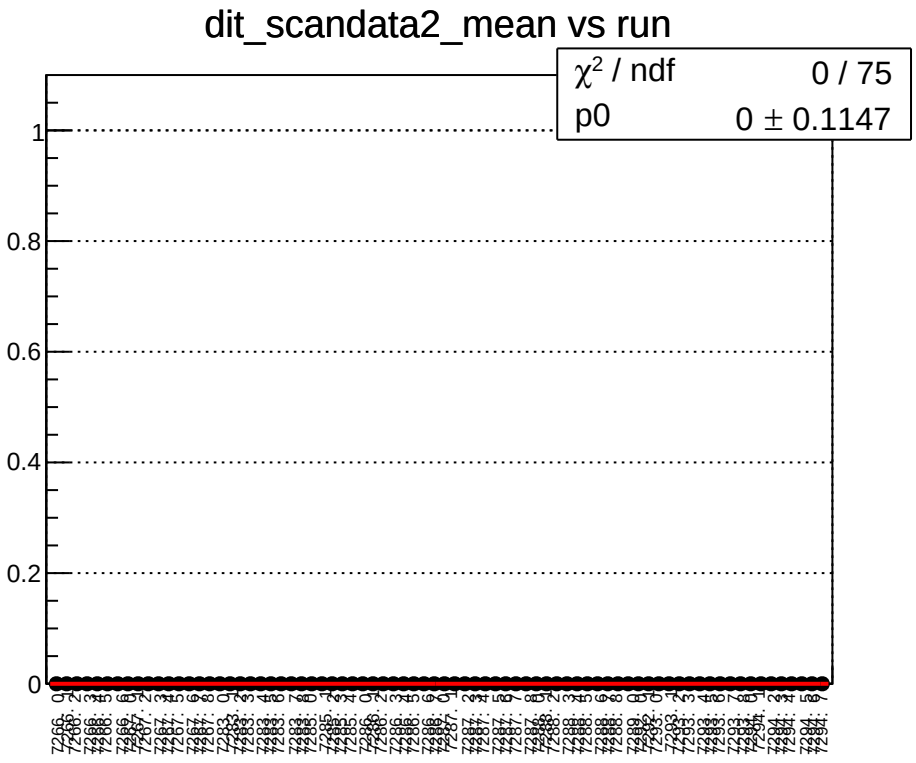

dit_cyclenum_rms vs run
χ² / ndf 1.708e+04 / 75
p0 8579 ± 1.731
8600
8590
8580
8570
8560
8550

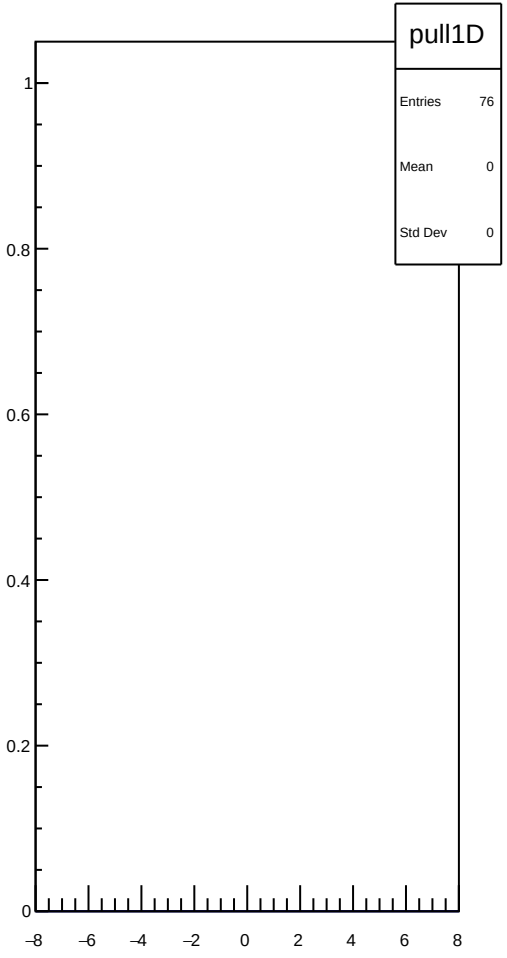

dit_scandata1_mean vs run
χ^2 / ndf 0 / 75
p0 0 ± 0.1147
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 76
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

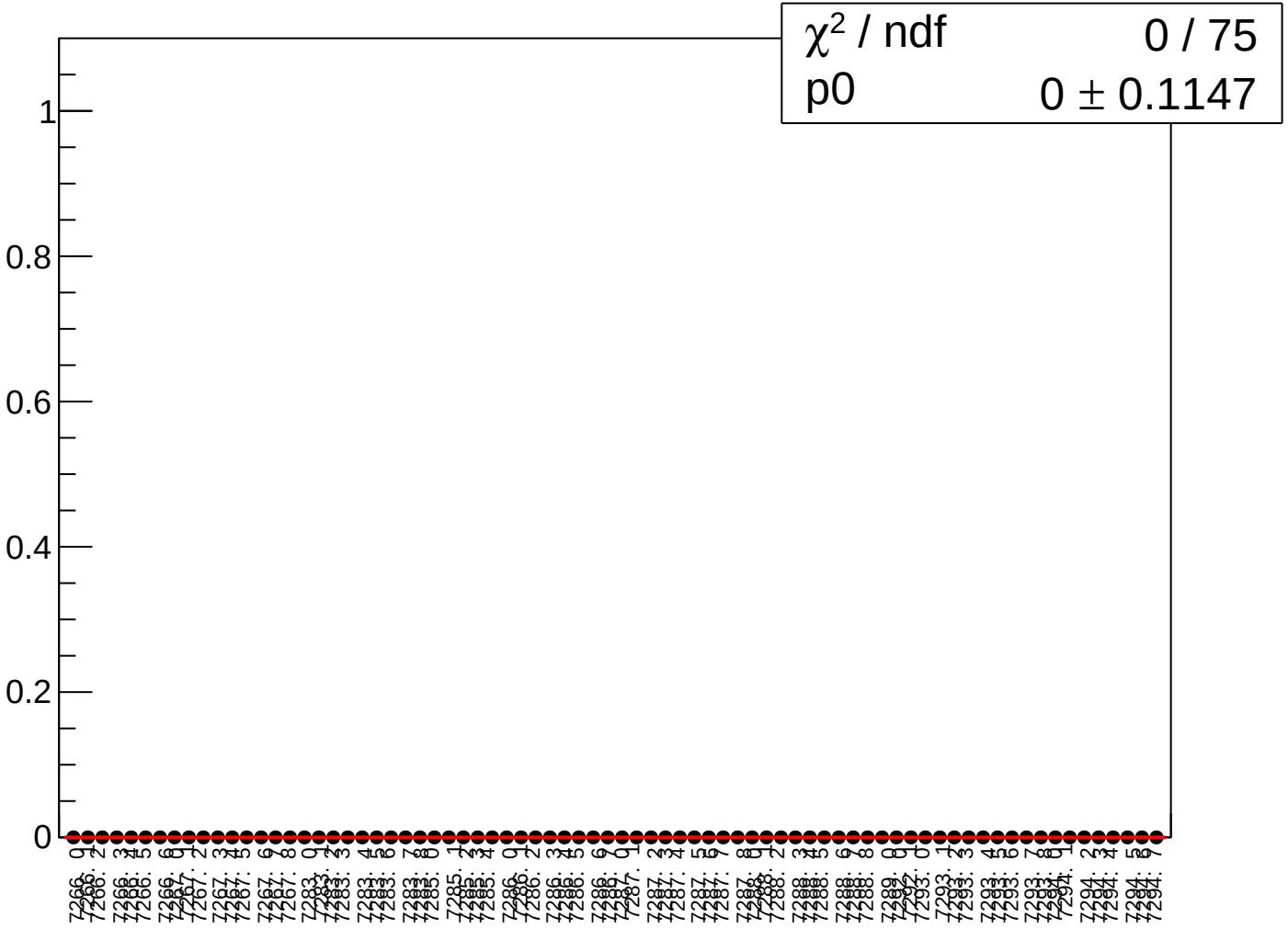
dit_scandata1_rms vs run

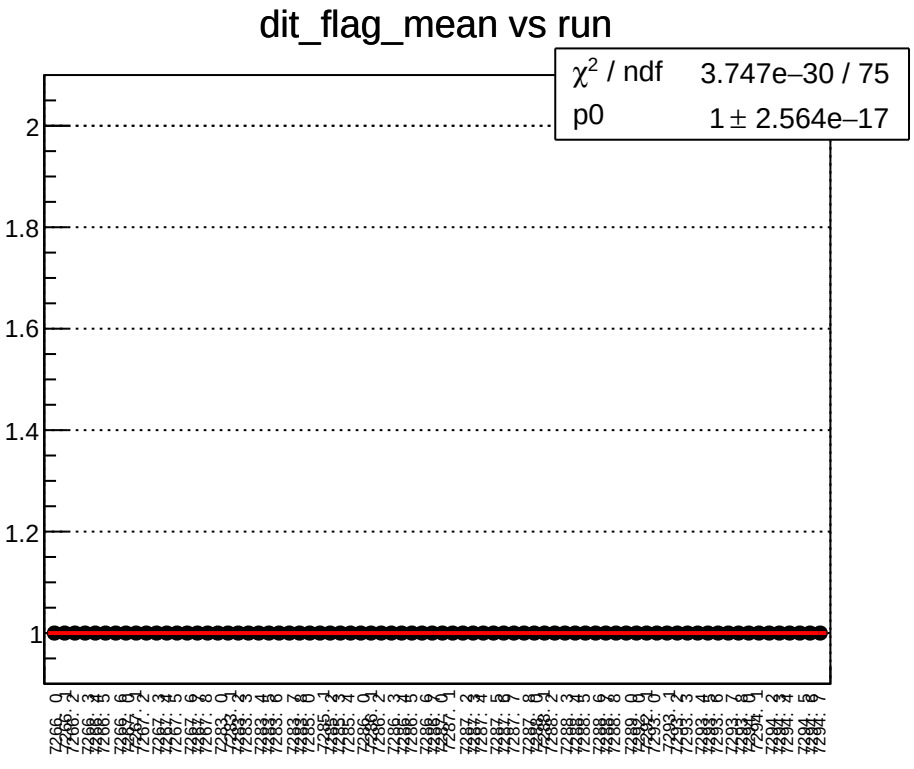


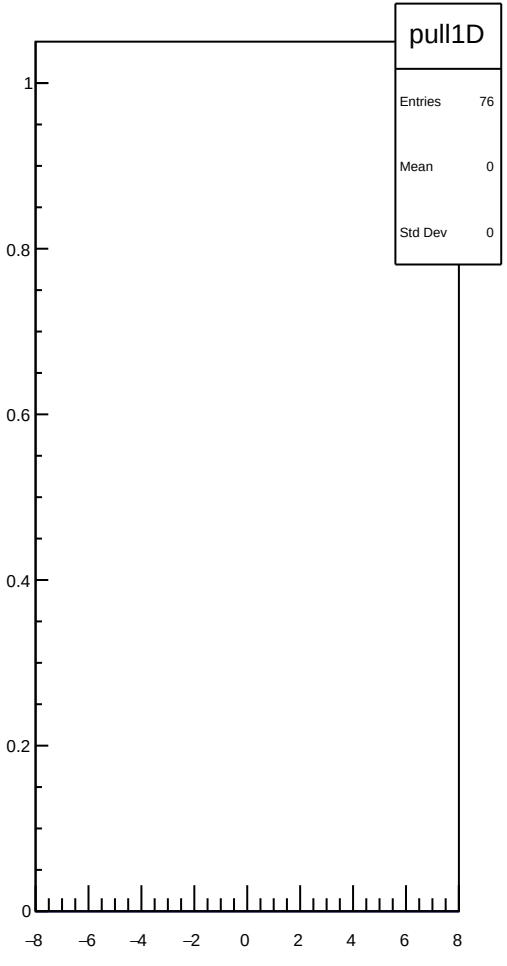

dit_scandata2_mean vs run
χ^2 / ndf 0 / 75
p0 0 ± 0.1147
1
0.8
0.6
0.4
0.2
0


pull1D
Entries 76
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

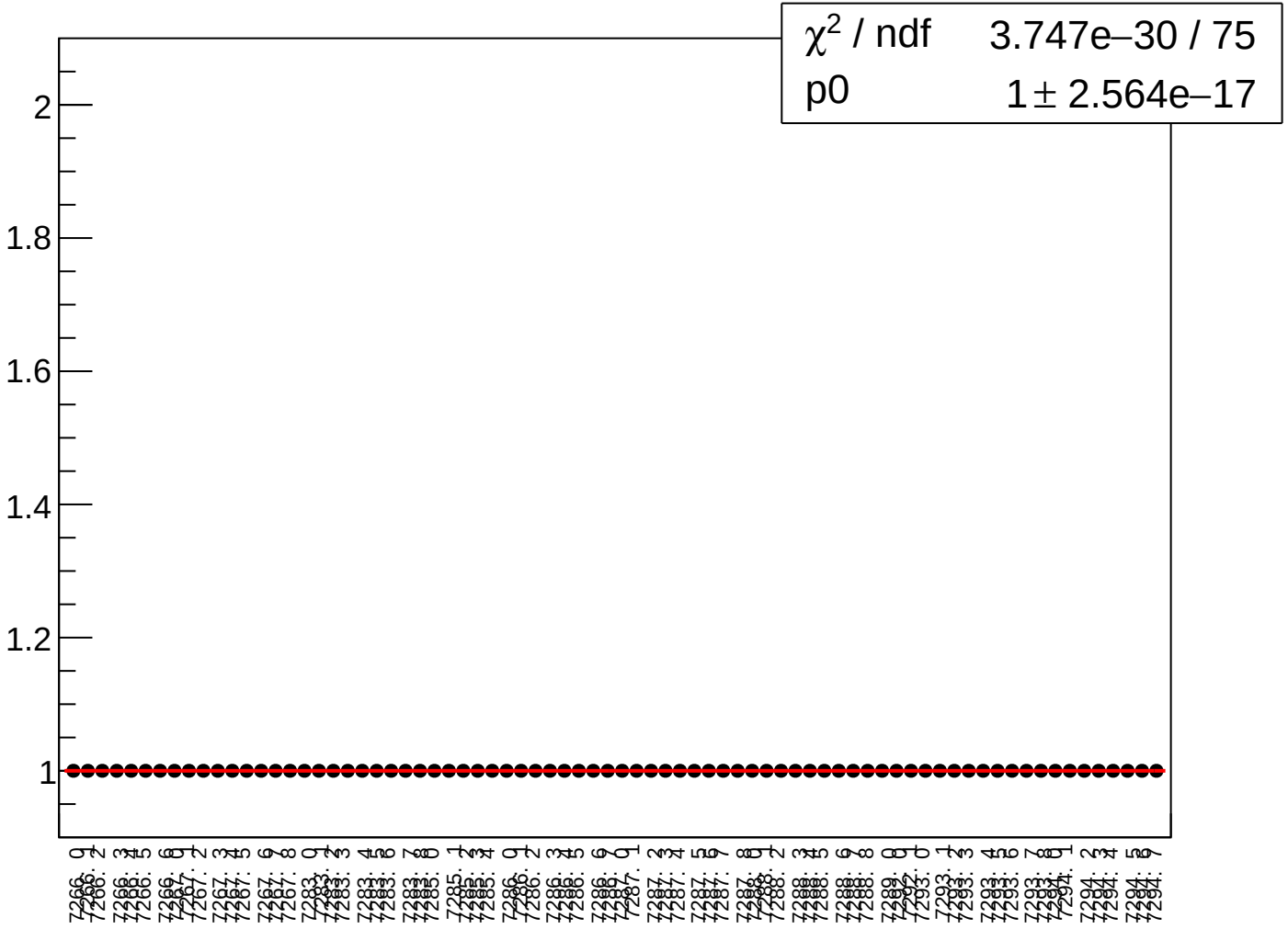
dit_scandata2_rms vs run

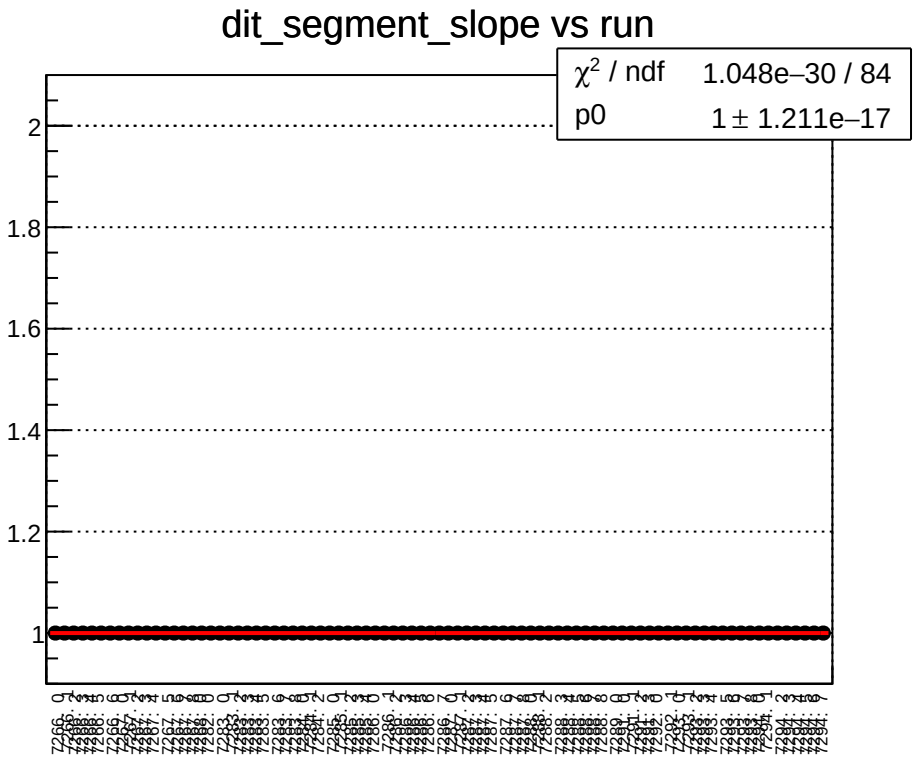


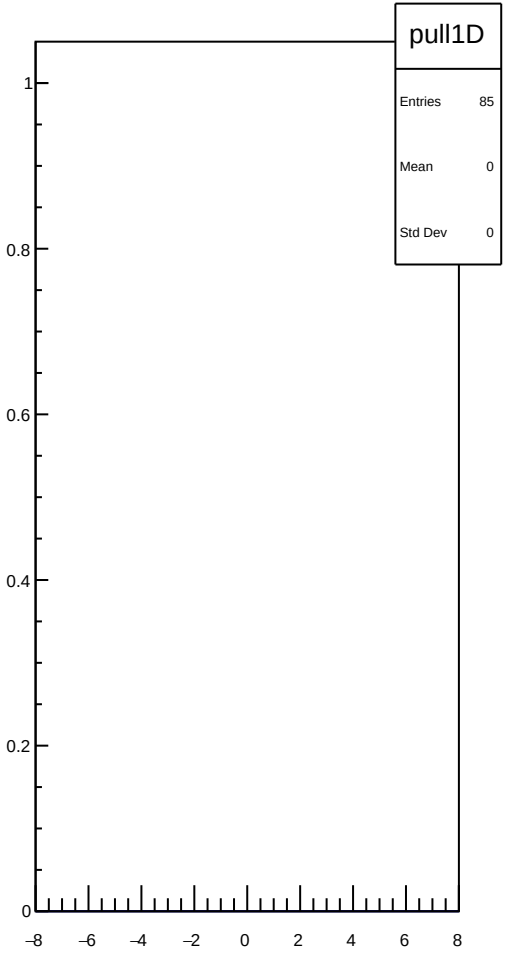

dit_flag_mean vs run
χ^2 / ndf 3.747e–30 / 75
p0 1 ± 2.564e–17
2
1.8
1.6
1.4
1.2
1

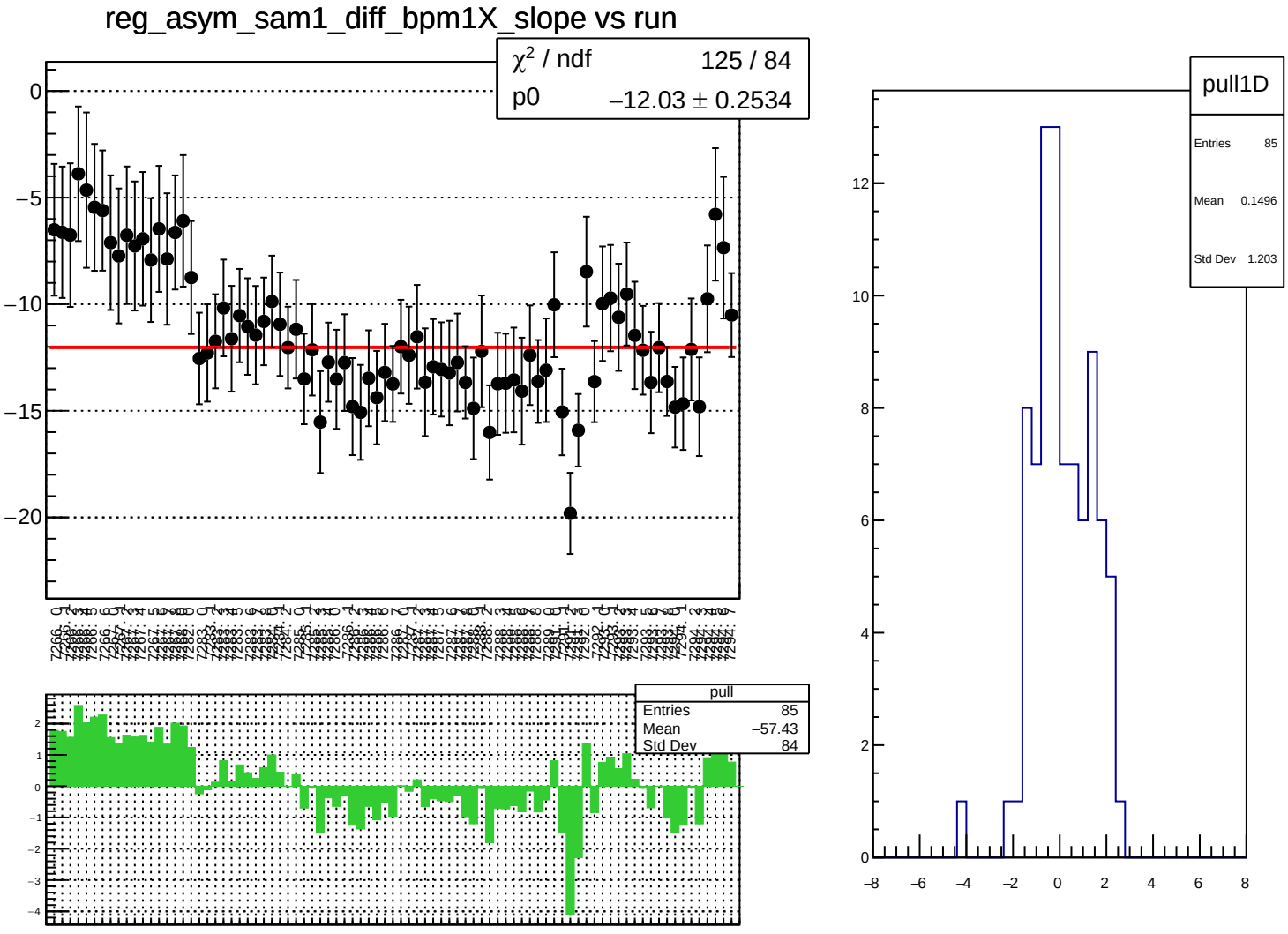

pull1D
Entries 76
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

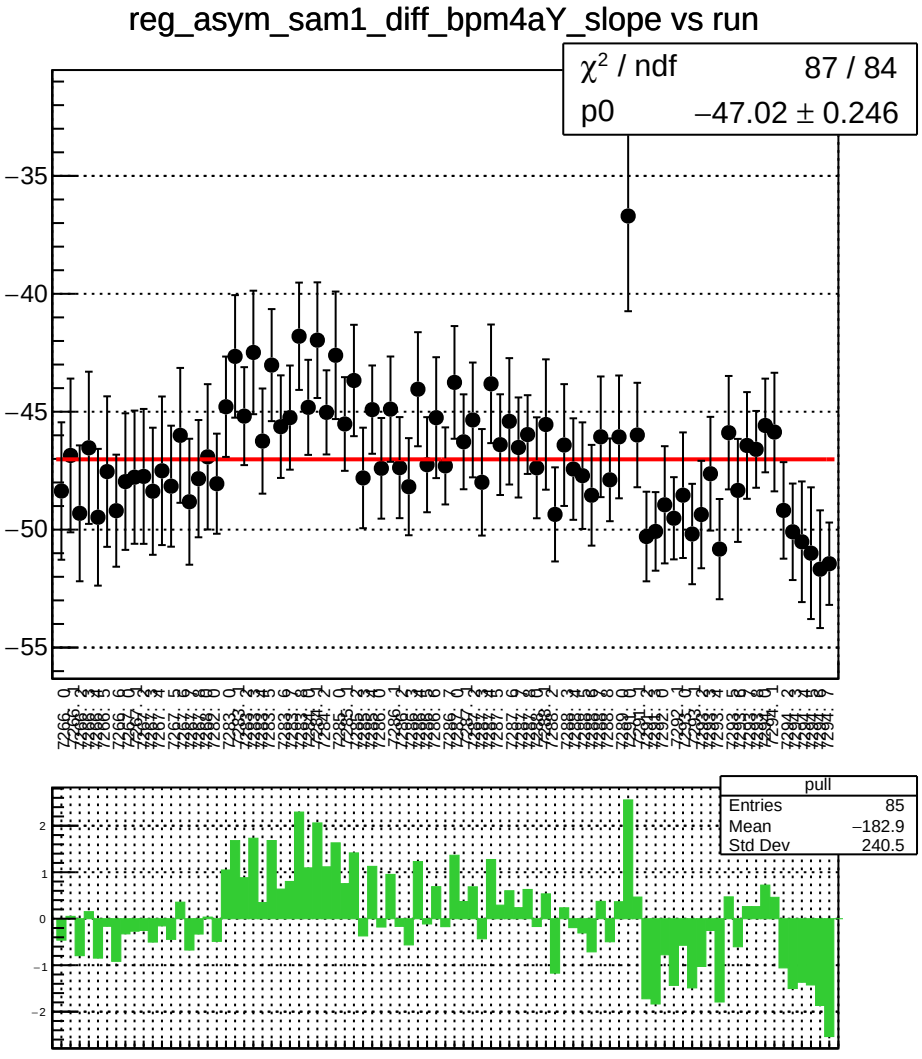
dit_flag_rms vs run

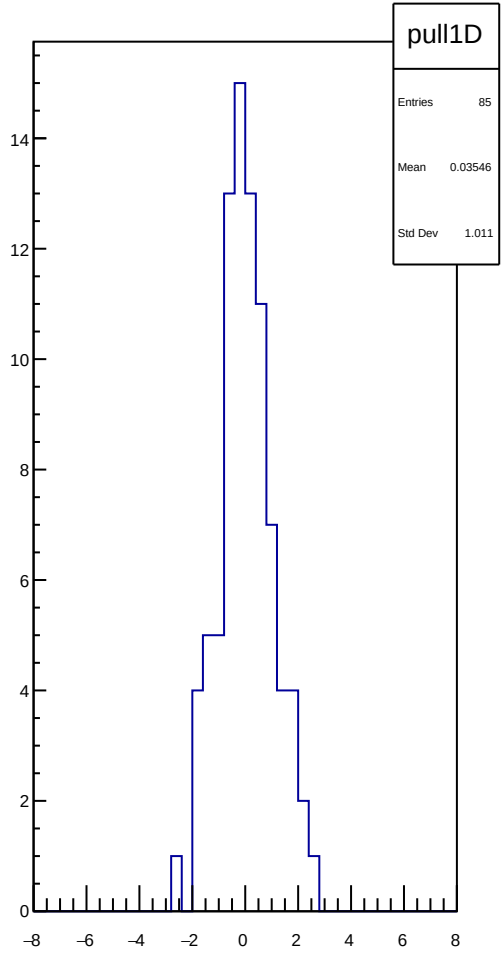


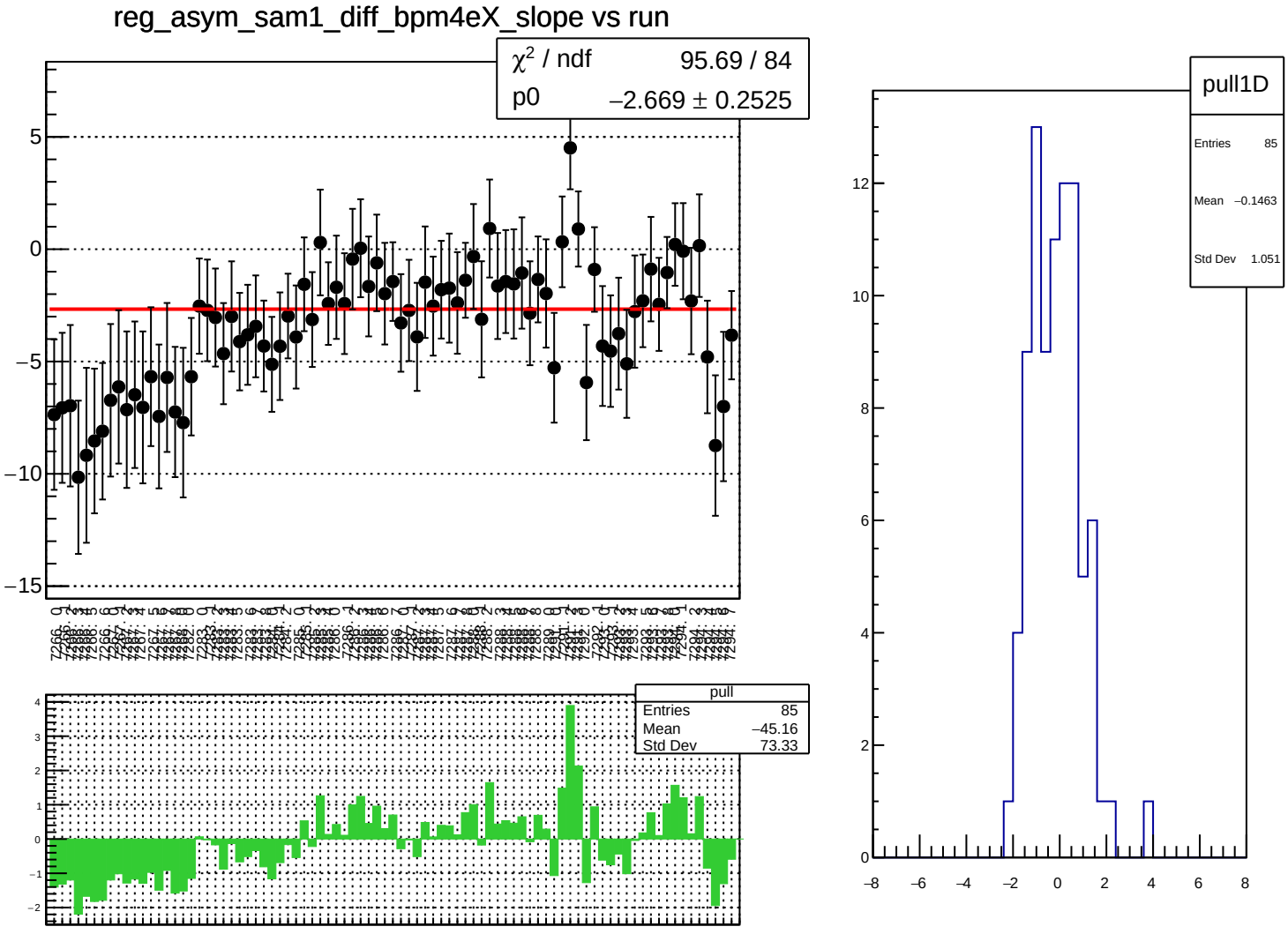

dit_segment_slope vs run
χ^2 / ndf 1.048e−30 / 84
p0 1 ± 1.211e−17
2
1.8
1.6
1.4
1.2
1

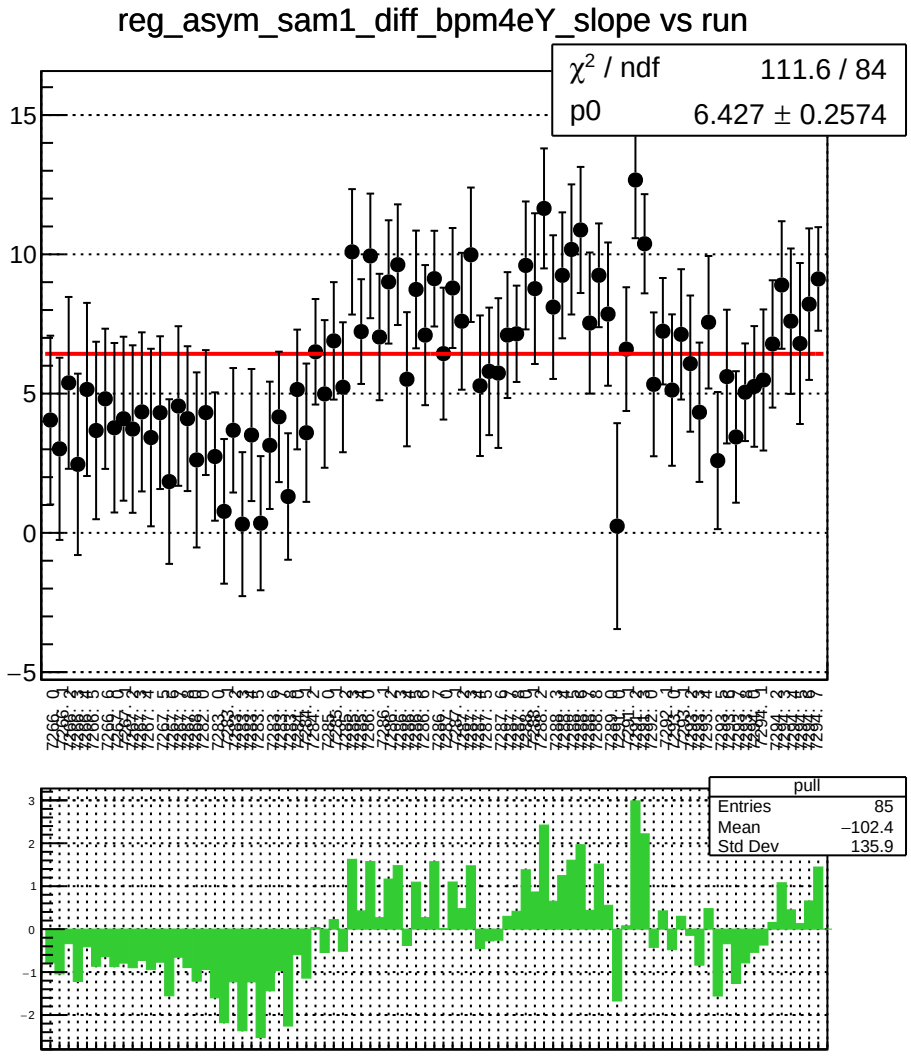

pull1D
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

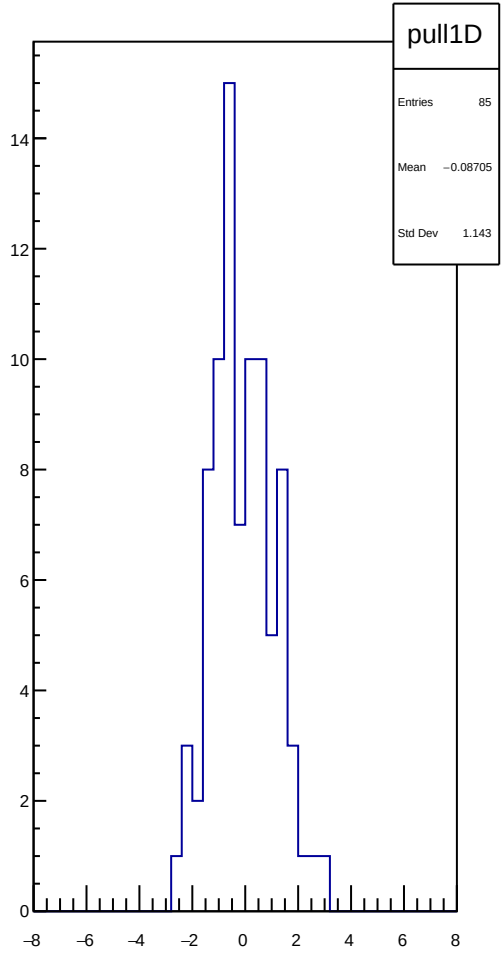

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 125 / 84
p0 −12.03 ± 0.2534
pull
Entries 85
Mean −57.43
Std Dev 84
pull1D
Entries 85
Mean 0.1496
Std Dev 1.203

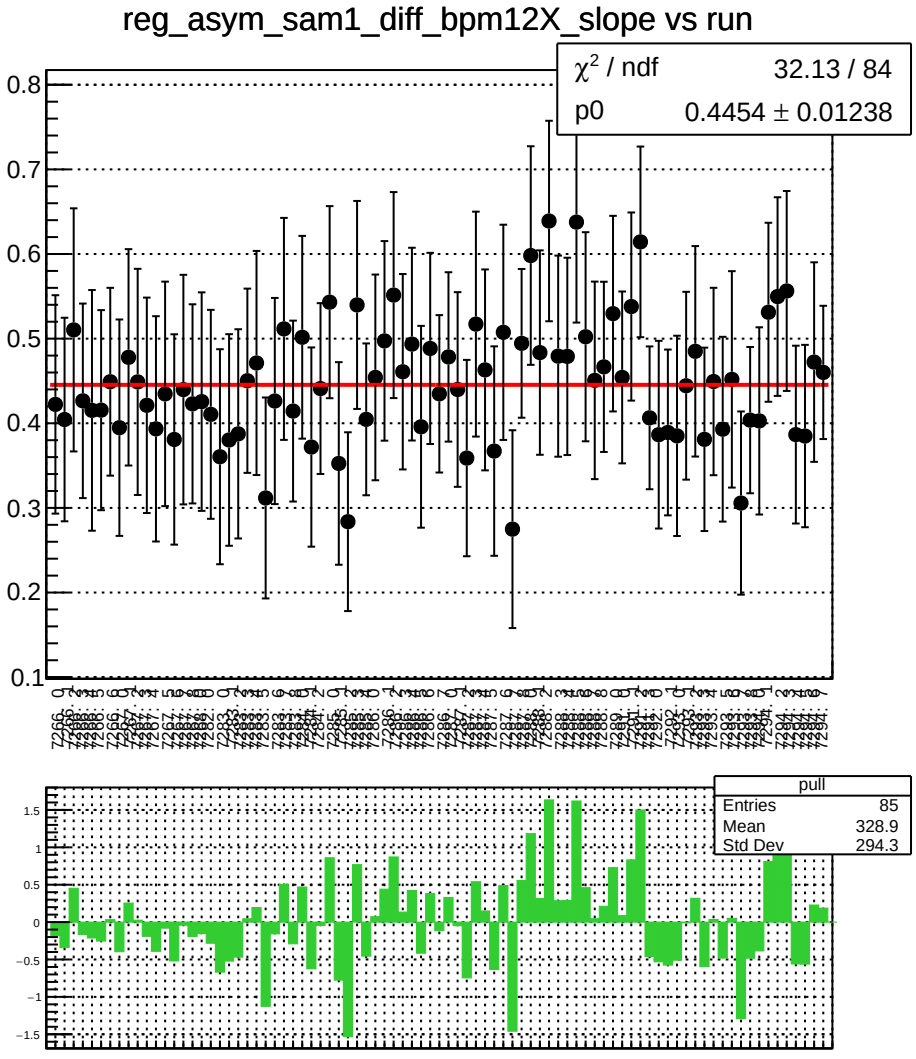

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 87 / 84
p0 −47.02 ± 0.246
−35
−40
−45
−50
−55
pull
Entries 85
Mean −182.9
Std Dev 240.5
2
1
0
−1
−2

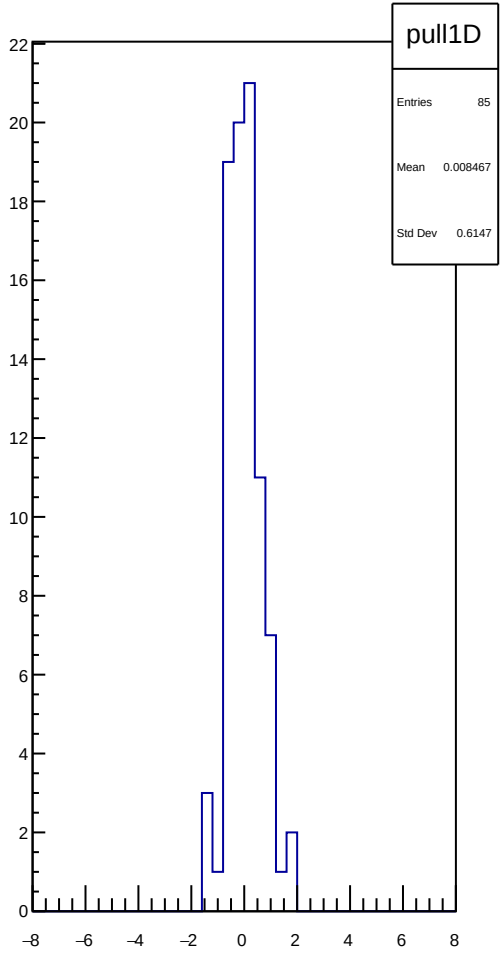

pull1D
Entries 85
Mean 0.03546
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

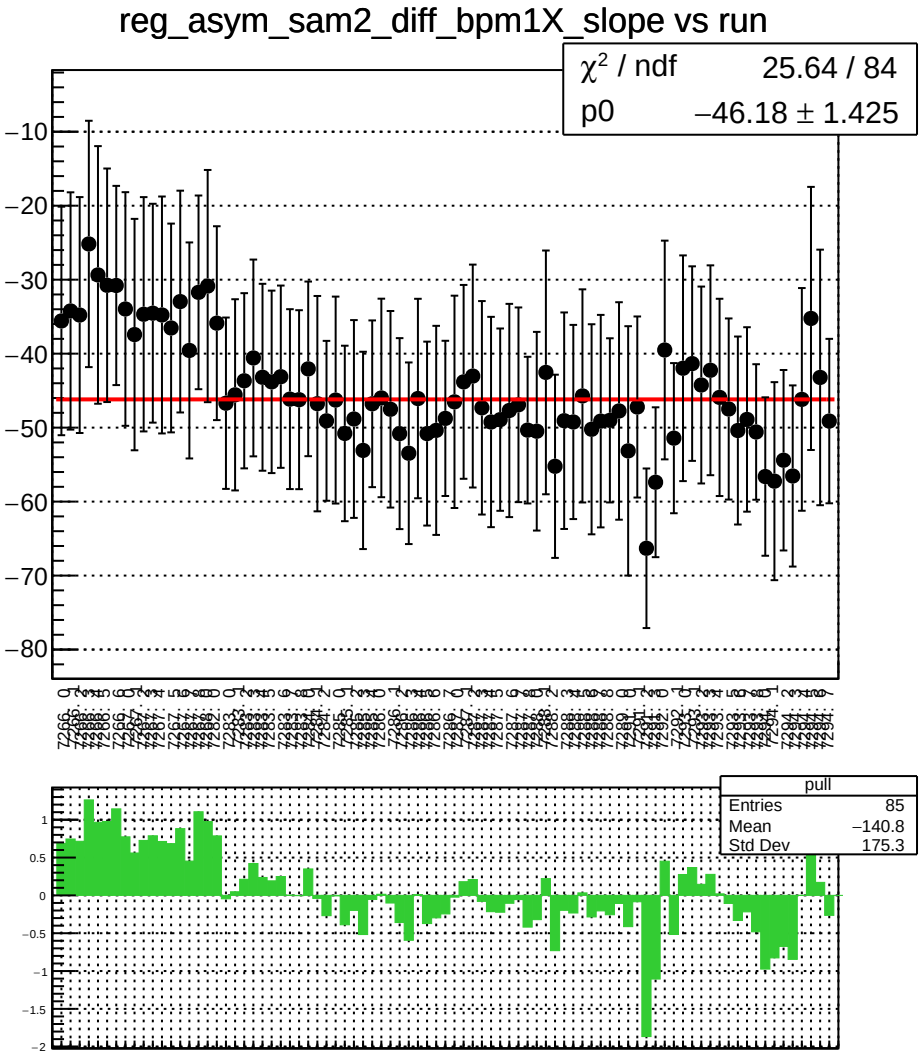

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 95.69 / 84
p0 −2.669 ± 0.2525
pull
Entries 85
Mean −45.16
Std Dev 73.33
pull1D
Entries 85
Mean −0.1463
Std Dev 1.051

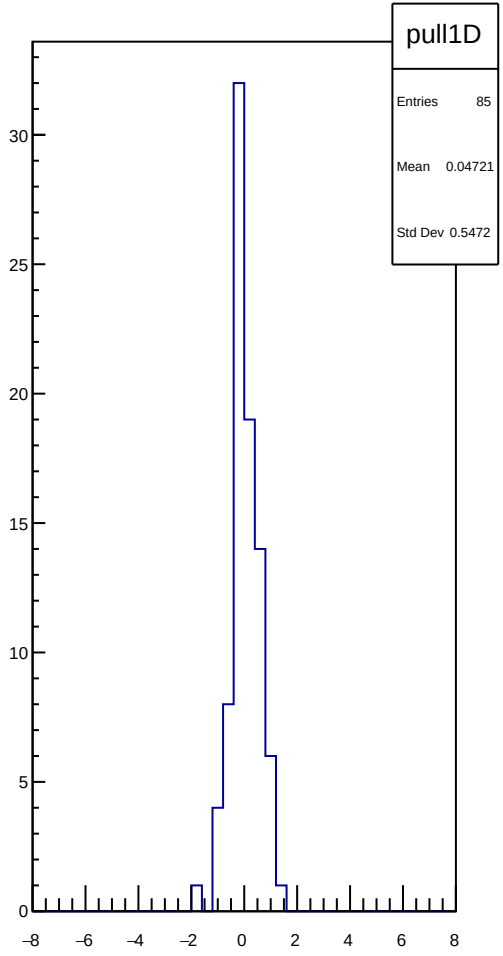

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 111.6 / 84
p0 6.427 ± 0.2574
pull
Entries 85
Mean −102.4
Std Dev 135.9

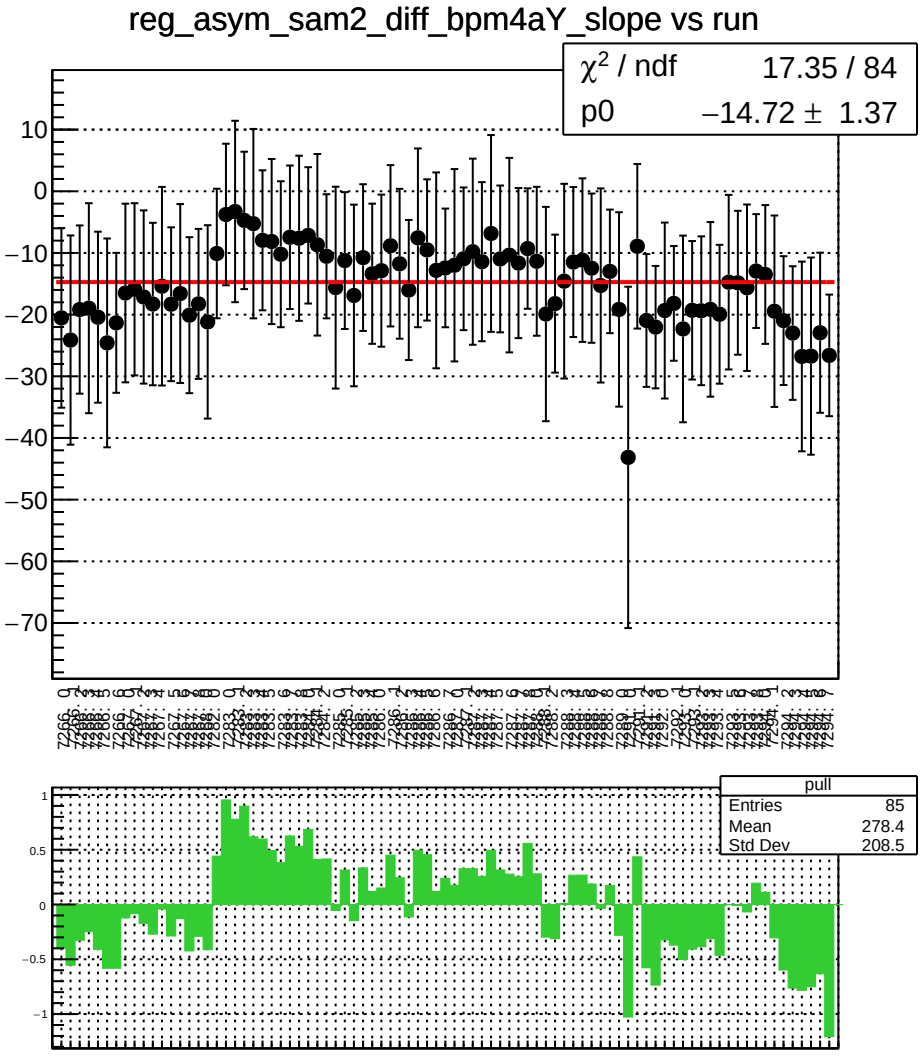

pull1D
Entries 85
Mean −0.08705
Std Dev 1.143

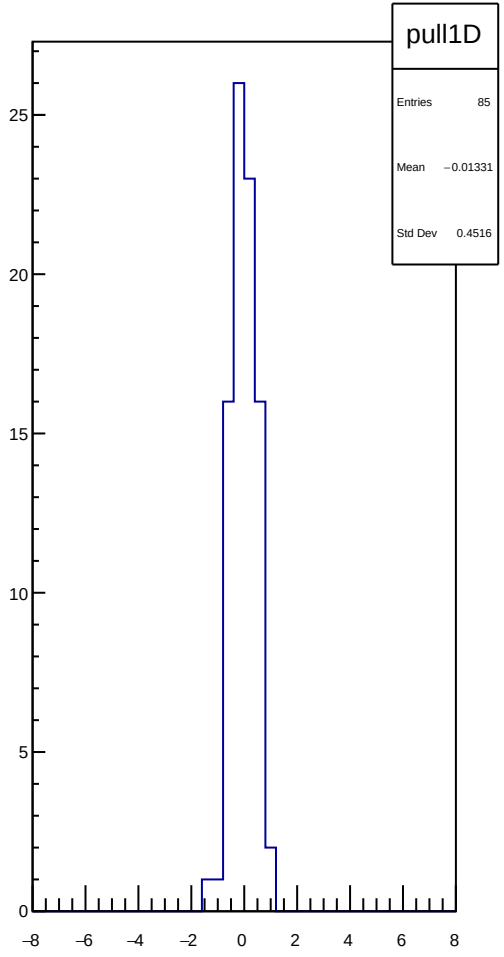

reg_asym_sam1_diff_bpm12X_slope vs run
χ^2 / ndf 32.13 / 84
p0 0.4454 ± 0.01238
pull
Entries 85
Mean 328.9
Std Dev 294.3

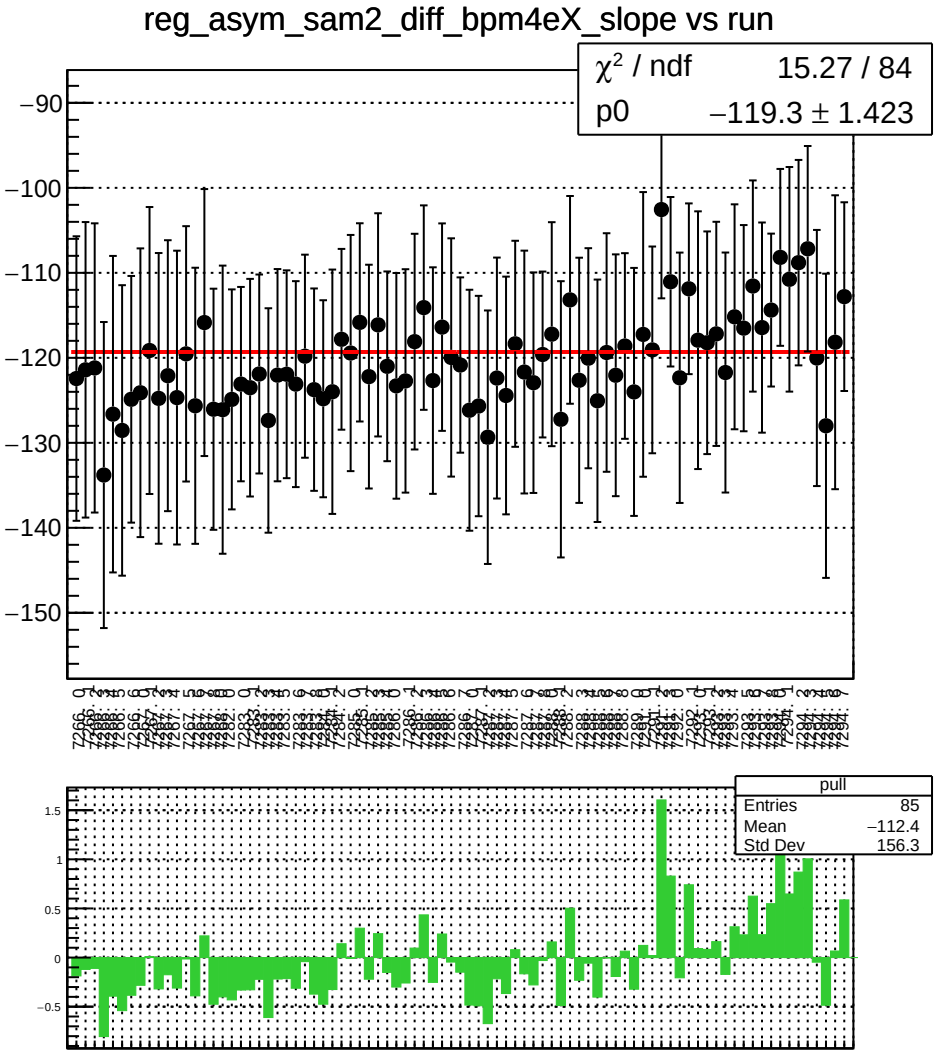

pull1D
Entries 85
Mean 0.008467
Std Dev 0.6147

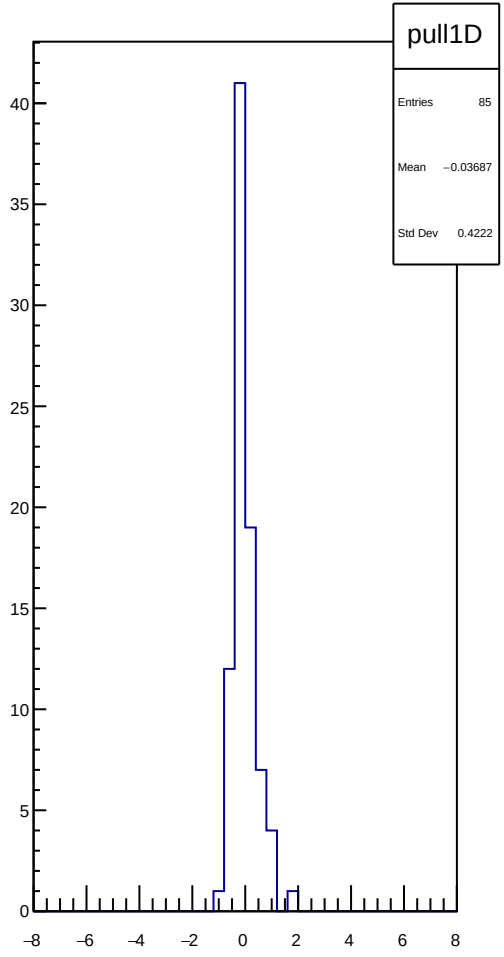

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 25.64 / 84
p0 −46.18 ± 1.425
pull
Entries 85
Mean −140.8
Std Dev 175.3

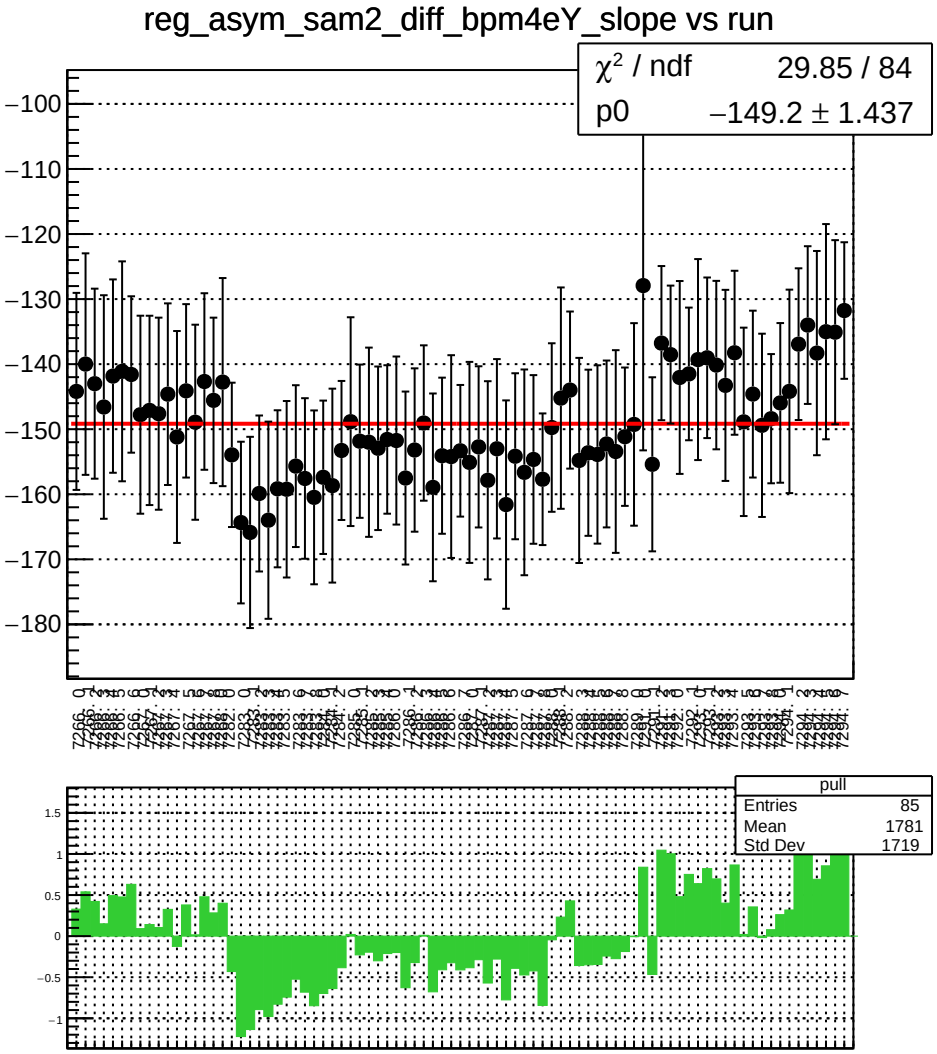

pull1D
Entries 85
Mean 0.04721
Std Dev 0.5472

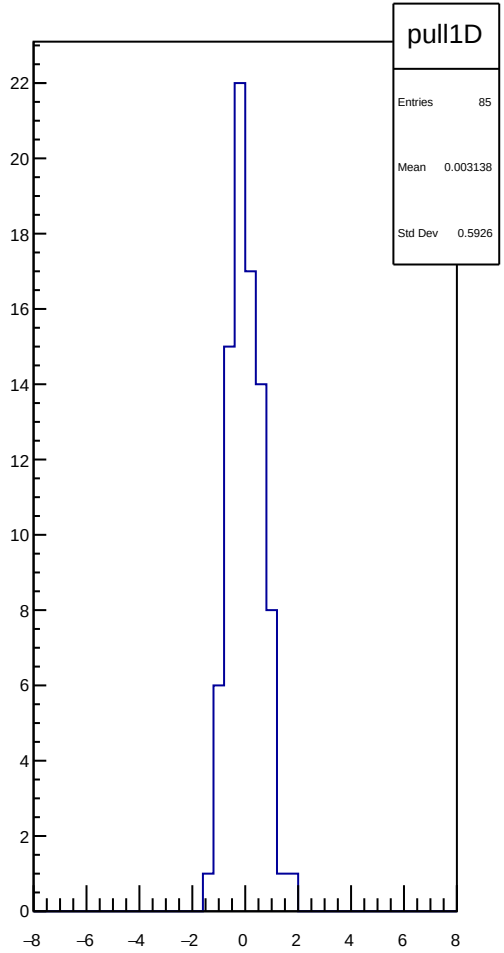

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 17.35 / 84
p0 −14.72 ± 1.37
pull
Entries 85
Mean 278.4
Std Dev 208.5

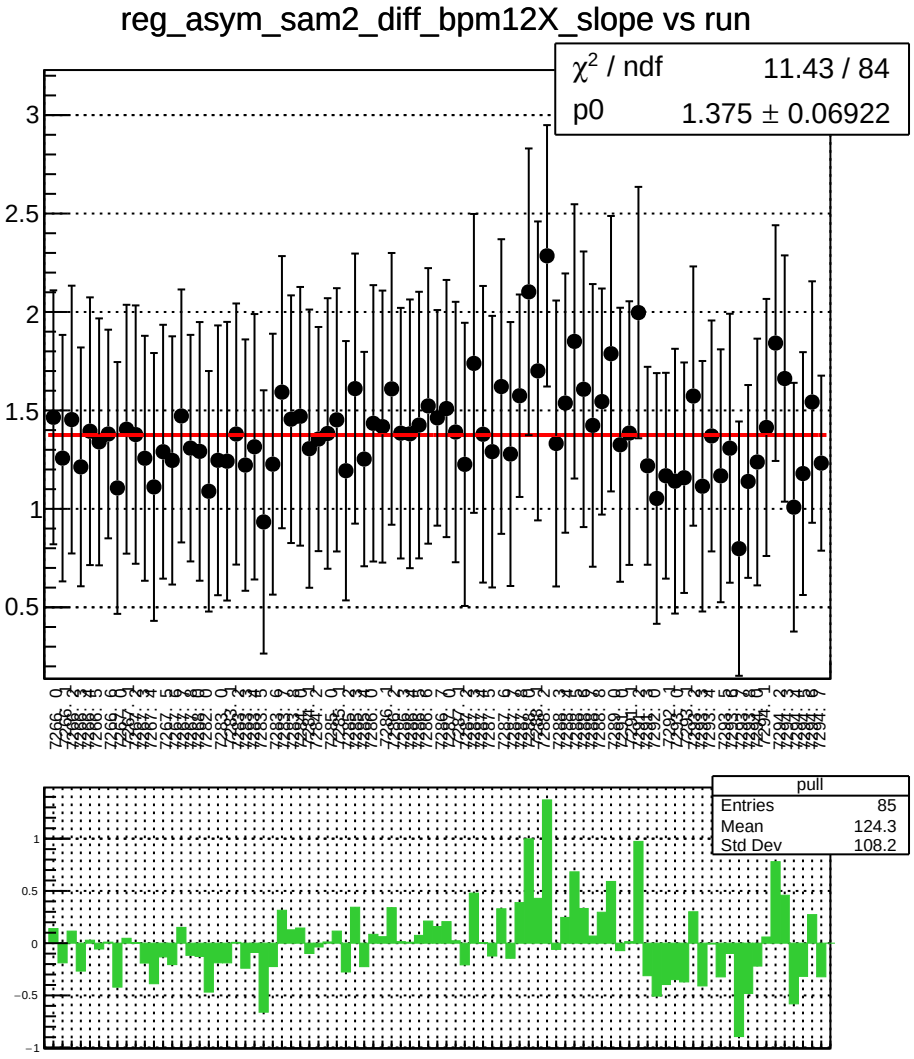

pull1D
Entries 85
Mean −0.01331
Std Dev 0.4516

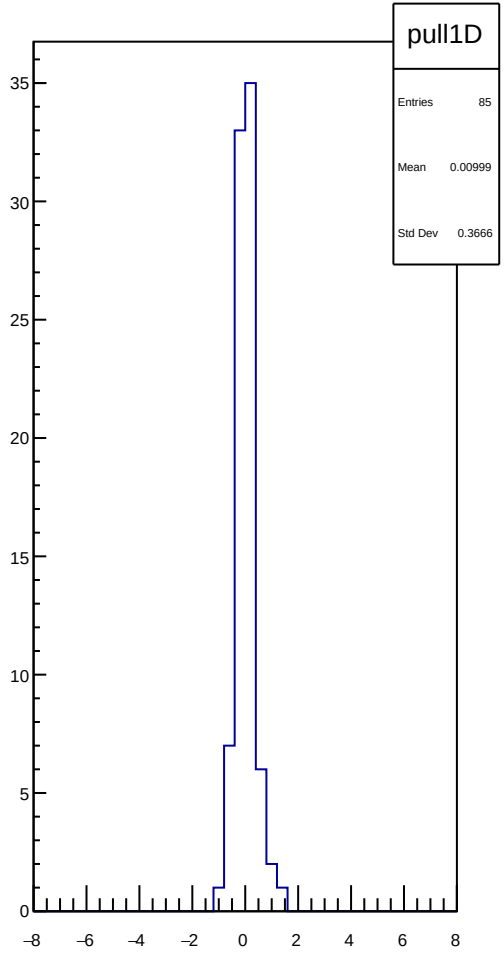

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 15.27 / 84
p0 −119.3 ± 1.423
pull
Entries 85
Mean −112.4
Std Dev 156.3

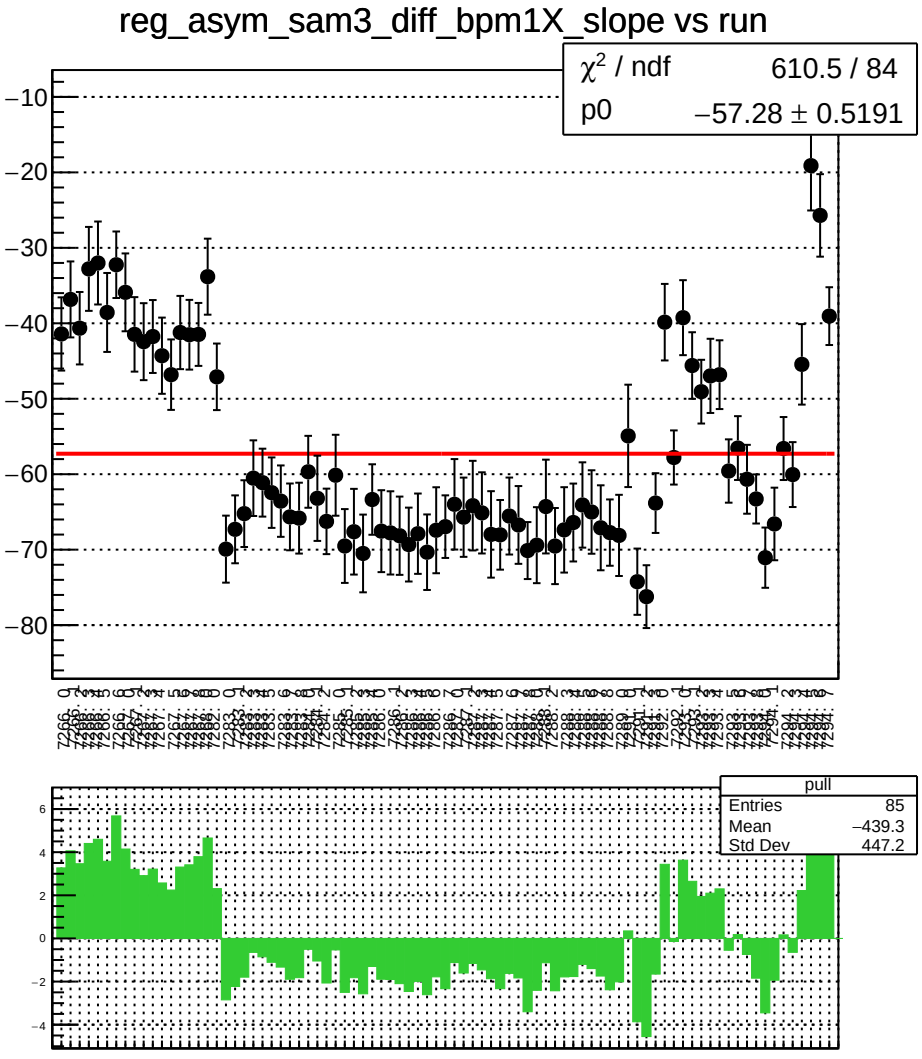

pull1D
Entries 85
Mean −0.03687
Std Dev 0.4222

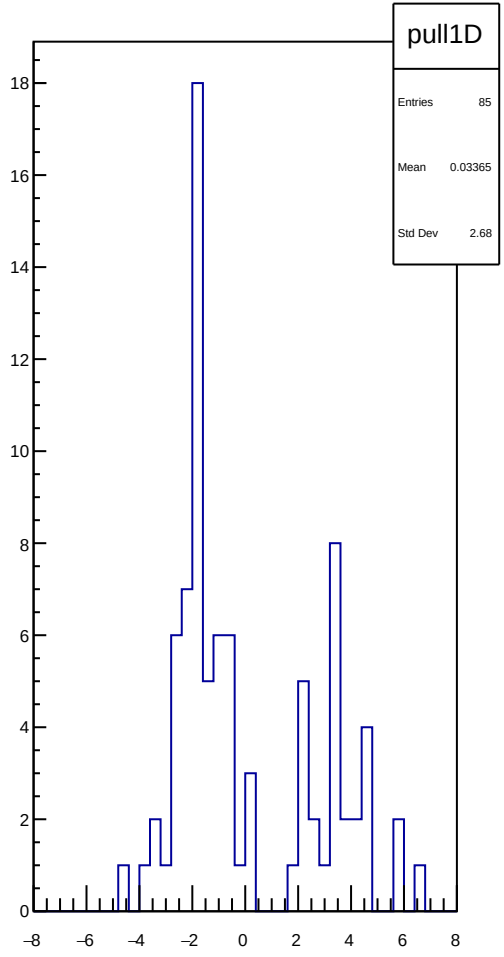

reg_asym_sam2_diff_bpm4eY_slope vs run
χ^2 / ndf 29.85 / 84
p0 −149.2 ± 1.437
pull
Entries 85
Mean 1781
Std Dev 1719

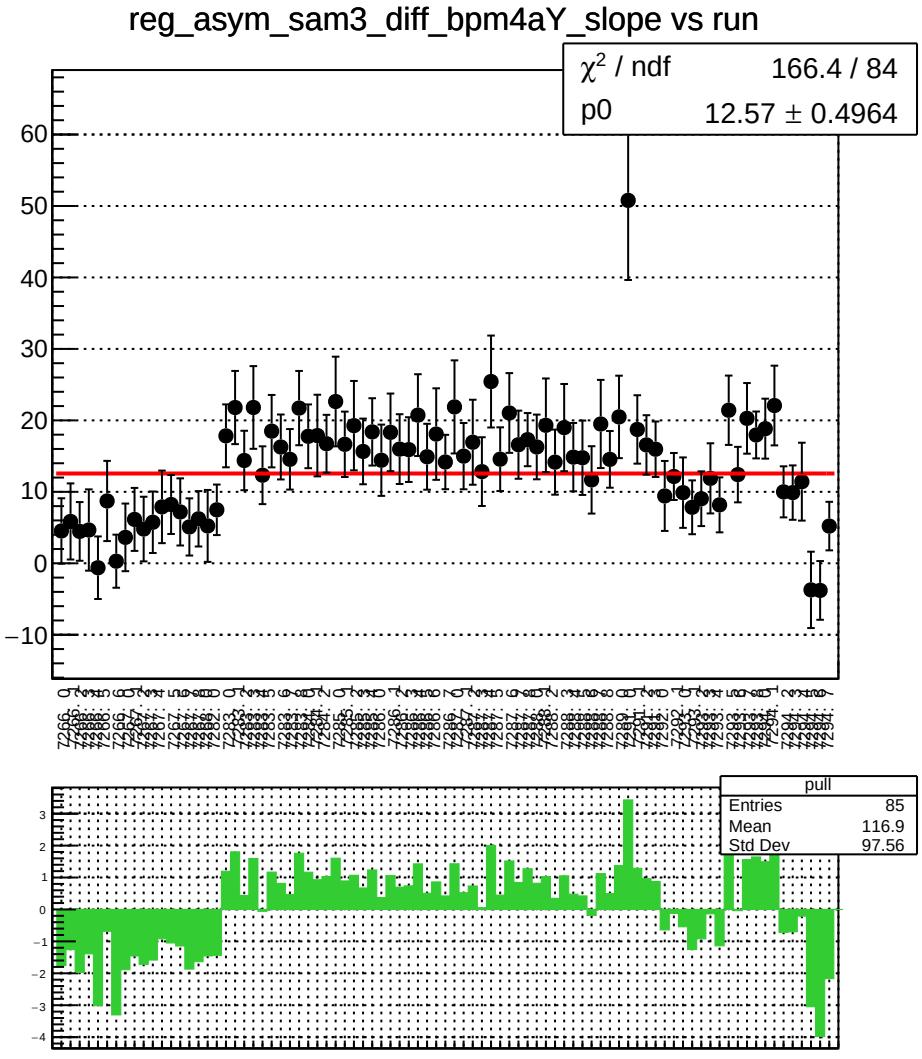

pull1D
Entries 85
Mean 0.003138
Std Dev 0.5926

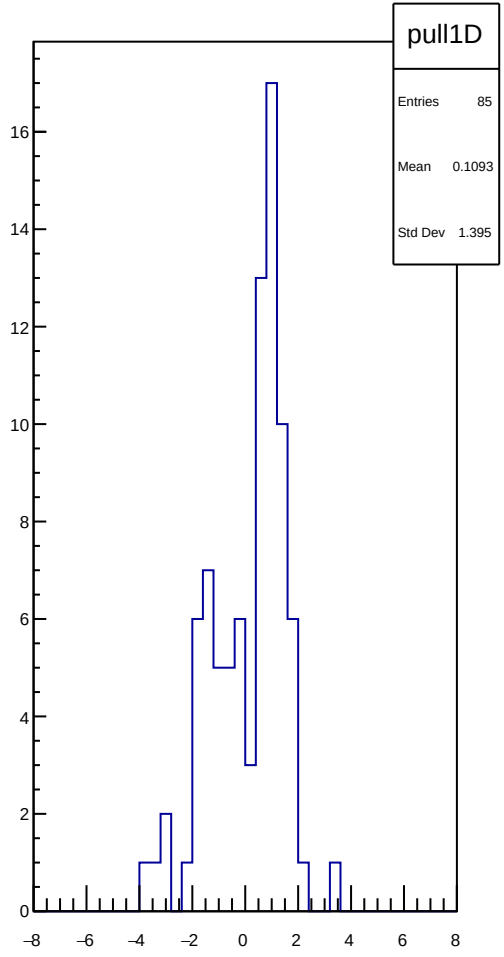

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 11.43 / 84
p0 1.375 ± 0.06922
pull
Entries 85
Mean 124.3
Std Dev 108.2

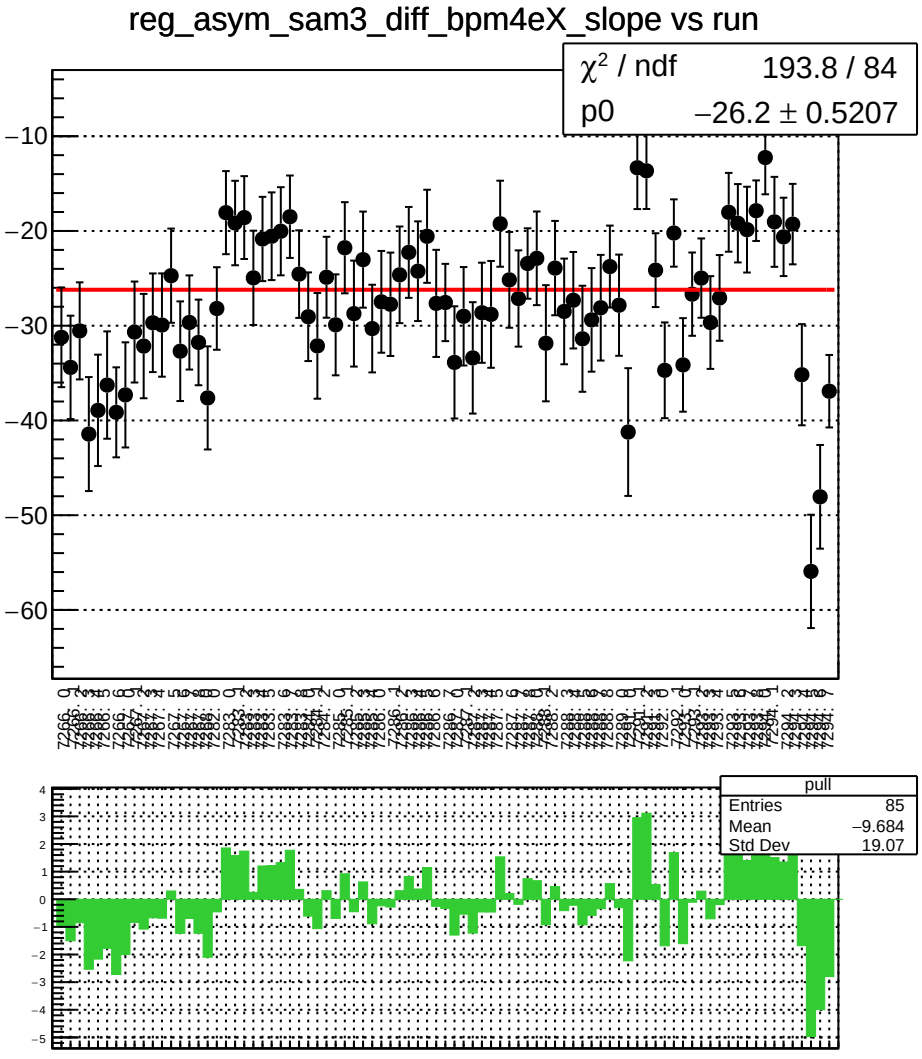

pull1D
Entries 85
Mean 0.00999
Std Dev 0.3666

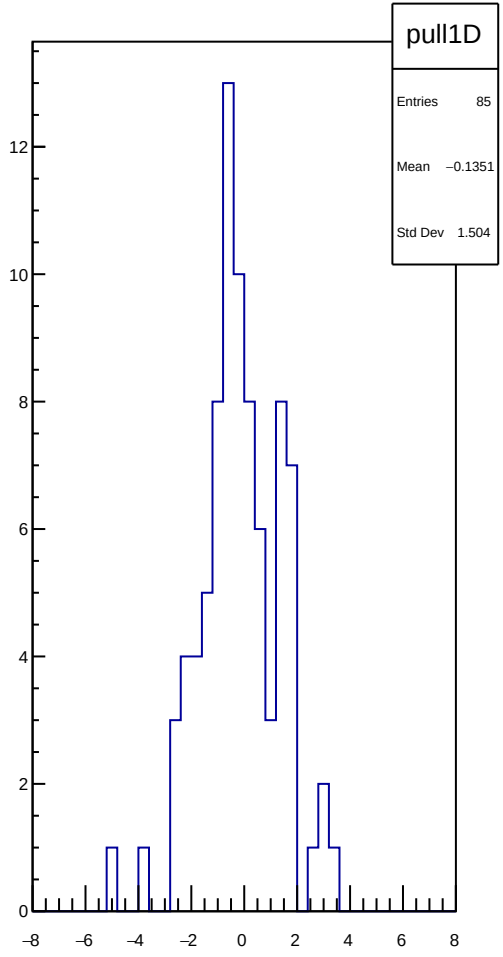

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 610.5 / 84
p0 −57.28 ± 0.5191
pull
Entries 85
Mean −439.3
Std Dev 447.2

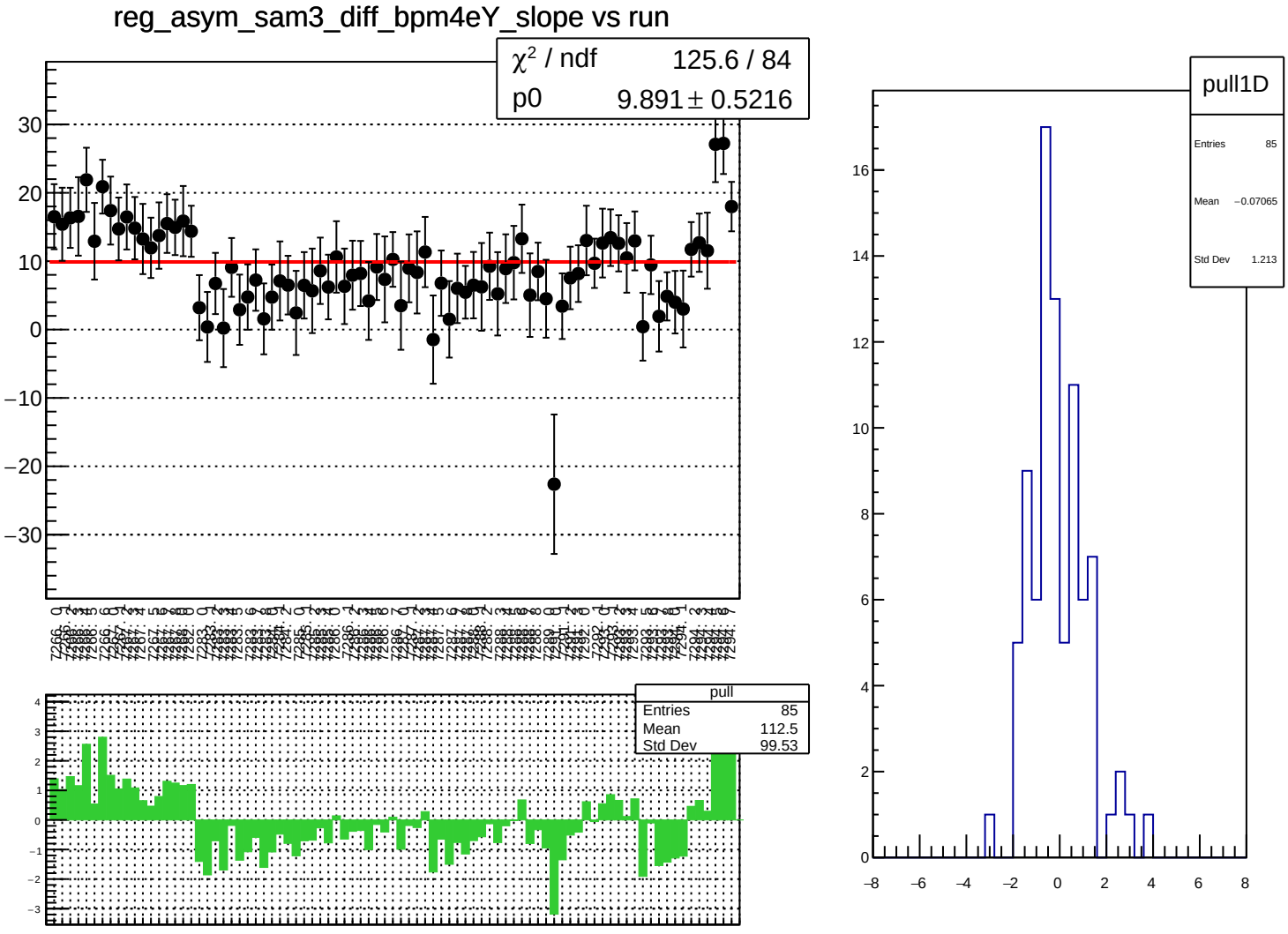

pull1D
Entries 85
Mean 0.03365
Std Dev 2.68

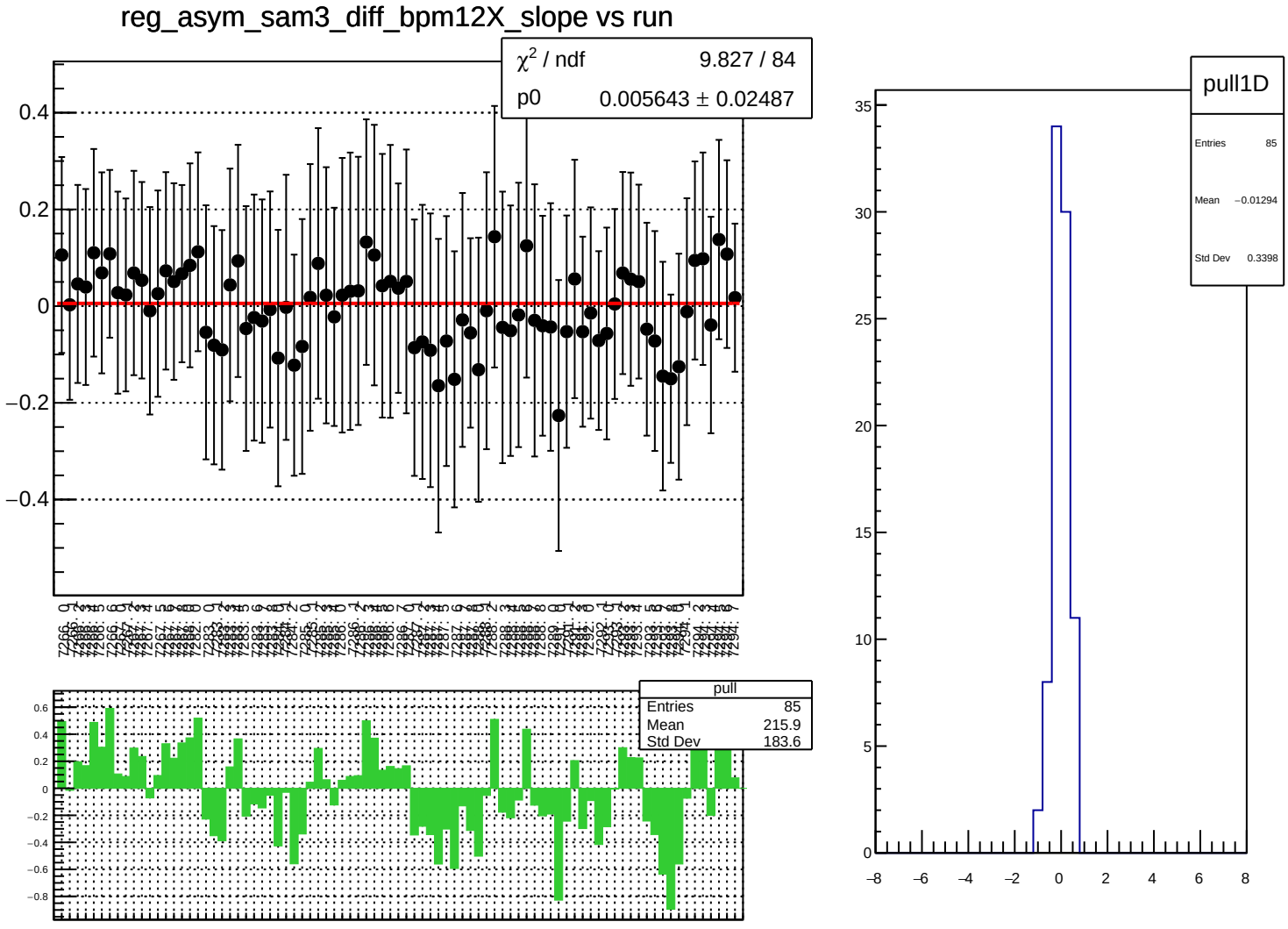

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 166.4 / 84
p0 12.57 ± 0.4964
pull
Entries 85
Mean 116.9
Std Dev 97.56

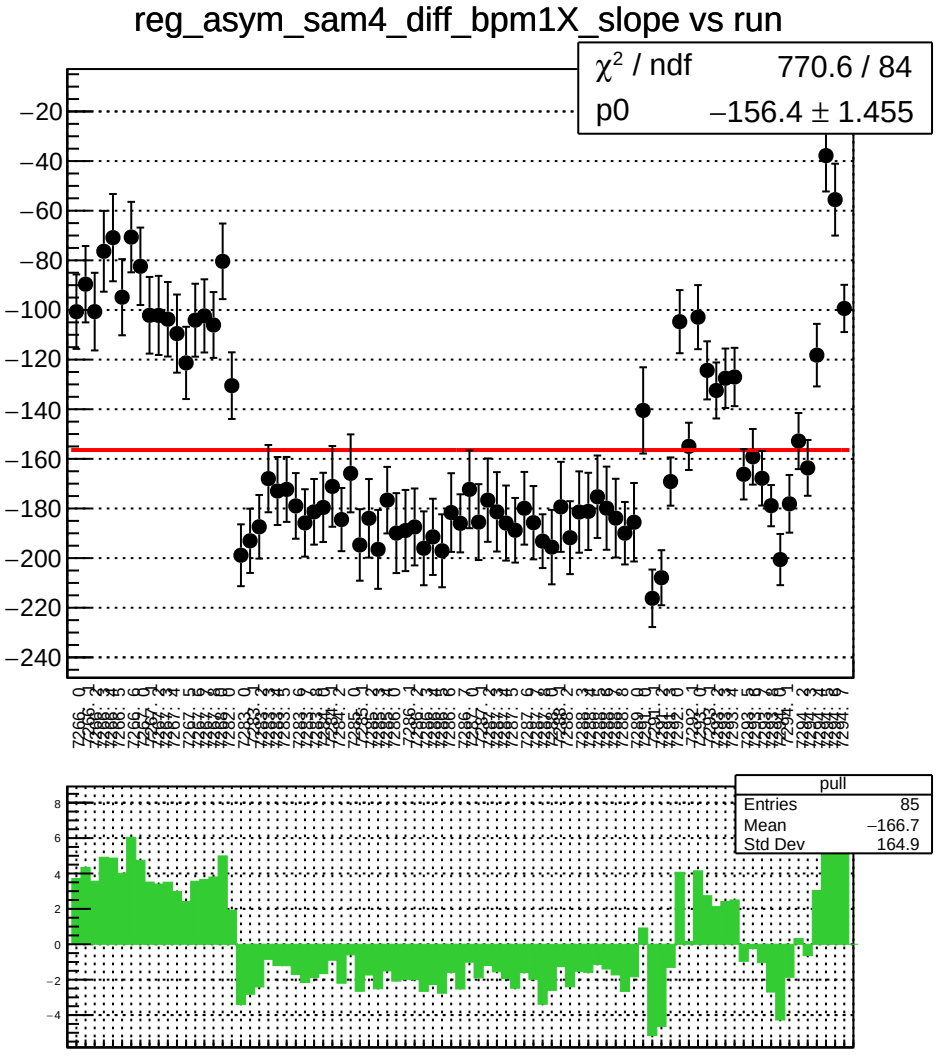

pull1D
Entries 85
Mean 0.1093
Std Dev 1.395

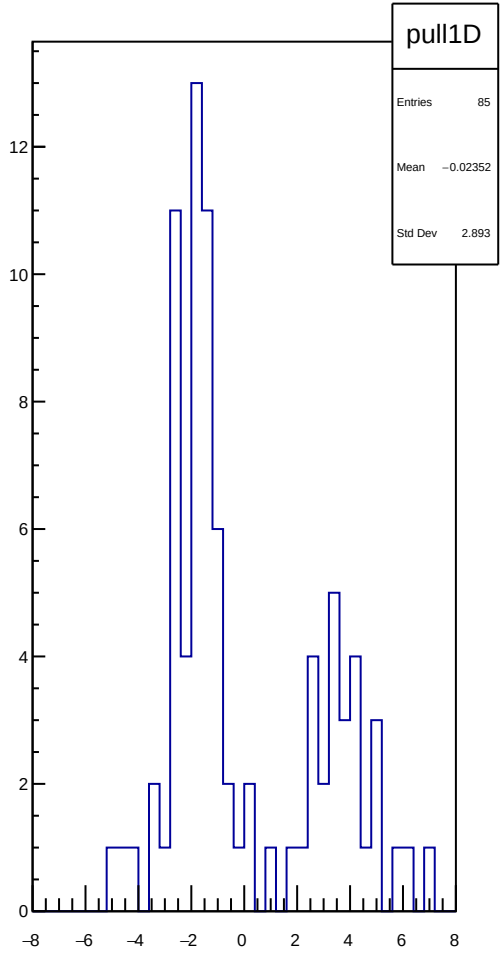

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 193.8 / 84
p0 −26.2 ± 0.5207
pull
Entries 85
Mean −9.684
Std Dev 19.07

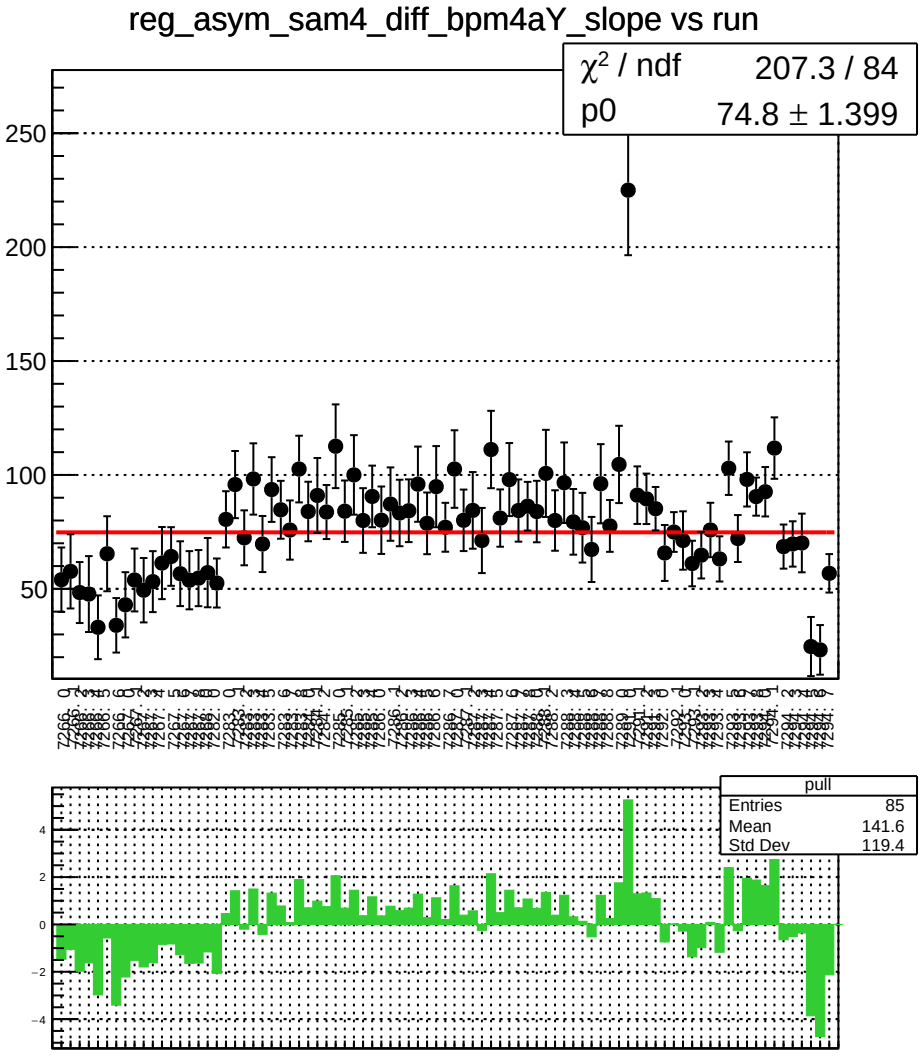

pull1D
Entries 85
Mean −0.1351
Std Dev 1.504

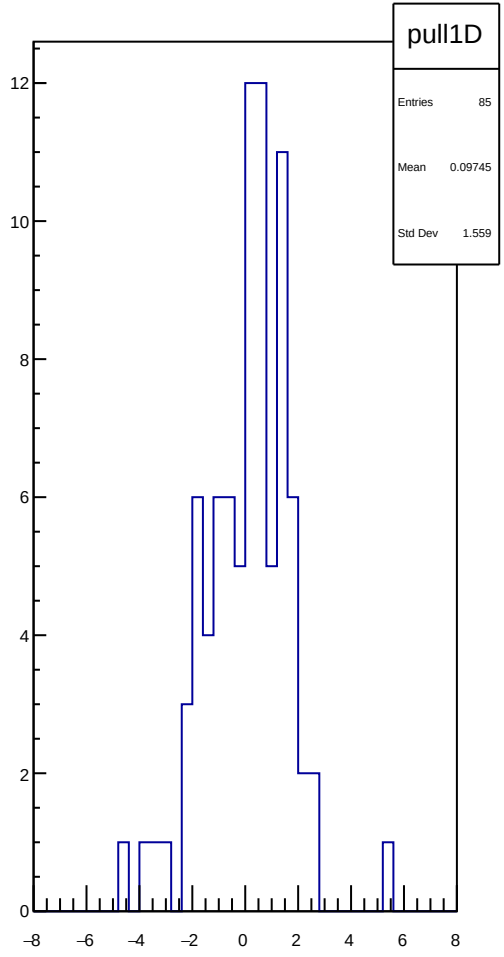

reg_asym_sam3_diff_bpm4eY_slope vs run
χ^2 / ndf 125.6 / 84
p0 9.891 ± 0.5216
pull
Entries 85
Mean 112.5
Std Dev 99.53
pull1D
Entries 85
Mean −0.07065
Std Dev 1.213

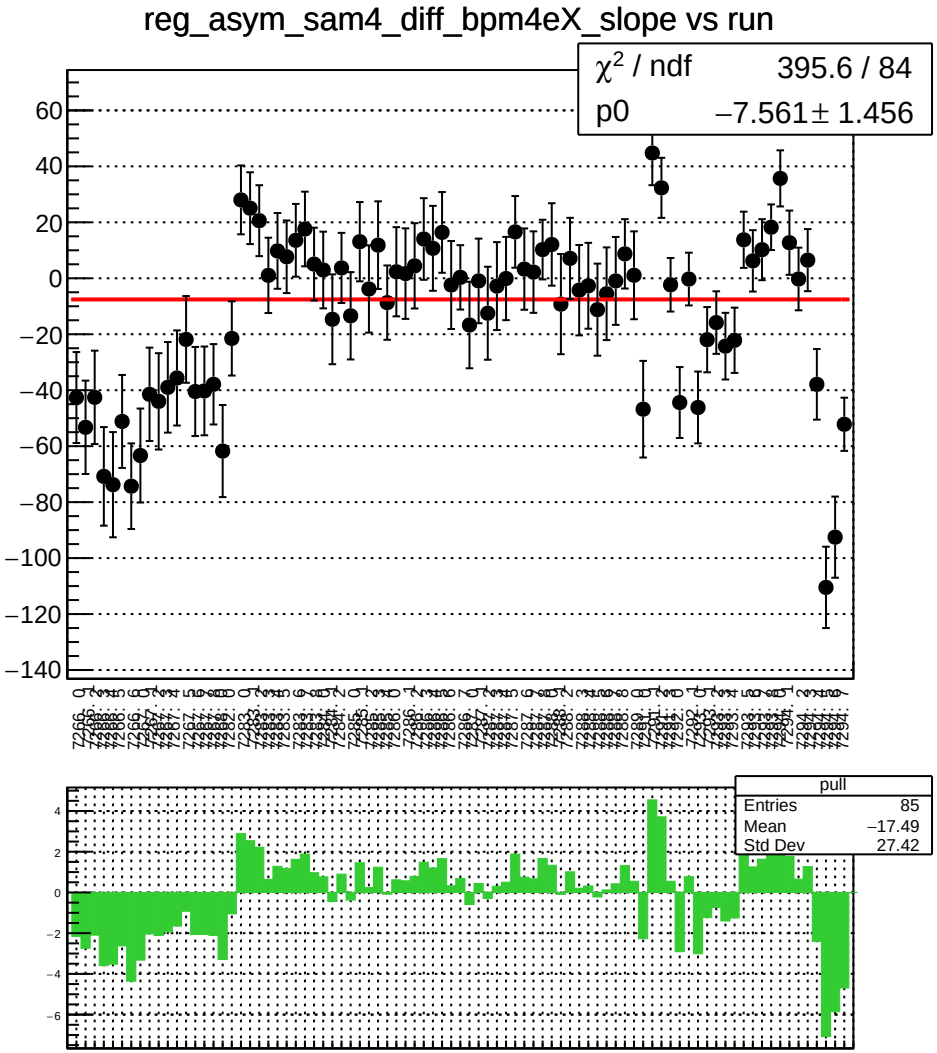

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 9.827 / 84
p0 0.005643 ± 0.02487
pull
Entries 85
Mean 215.9
Std Dev 183.6
pull1D
Entries 85
Mean −0.01294
Std Dev 0.3398

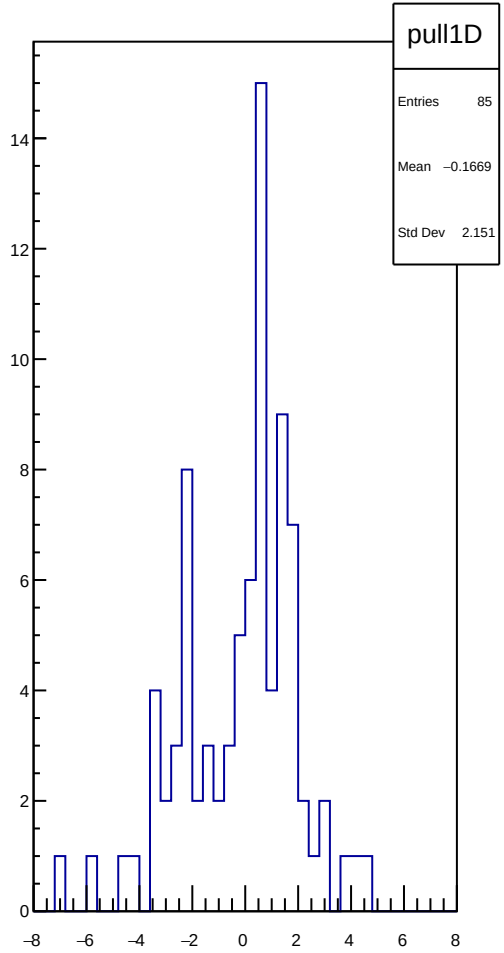

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 770.6 / 84
p0 −156.4 ± 1.455
pull
Entries 85
Mean −166.7
Std Dev 164.9

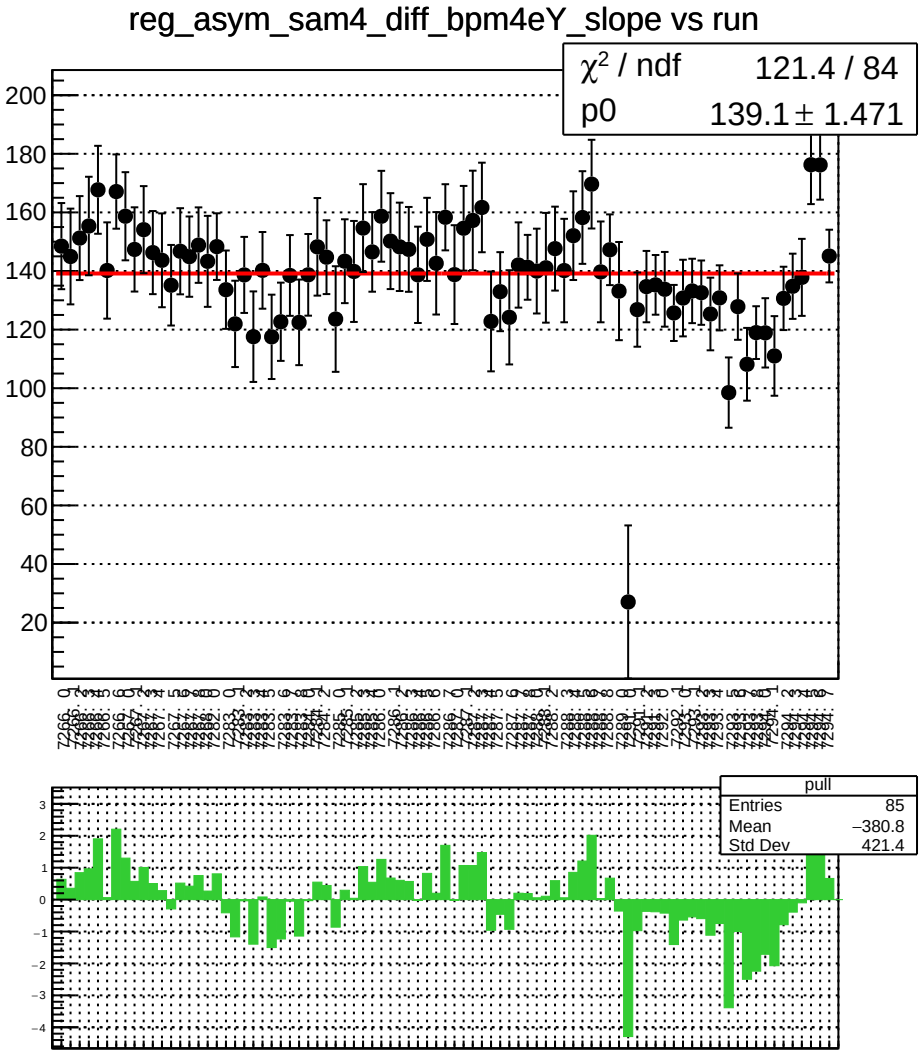

pull1D
Entries 85
Mean −0.02352
Std Dev 2.893

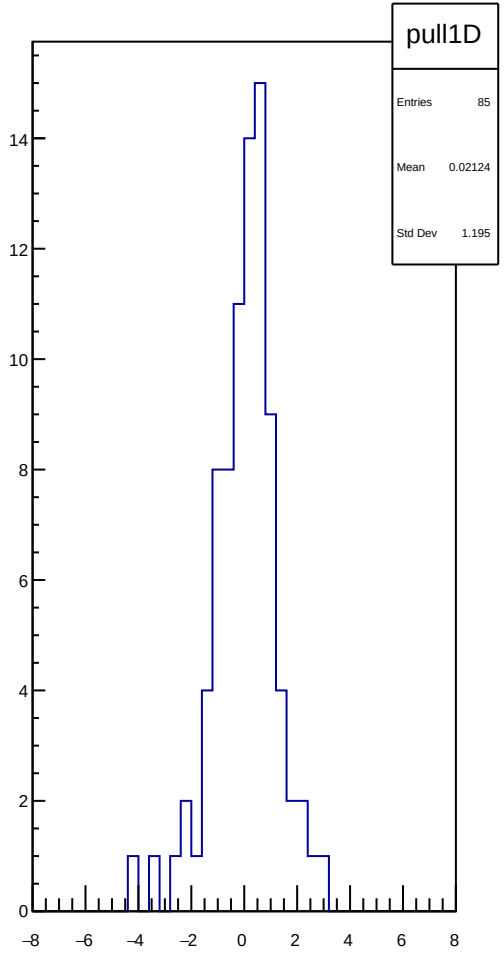

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 207.3 / 84
p0 74.8 ± 1.399
pull
Entries 85
Mean 141.6
Std Dev 119.4

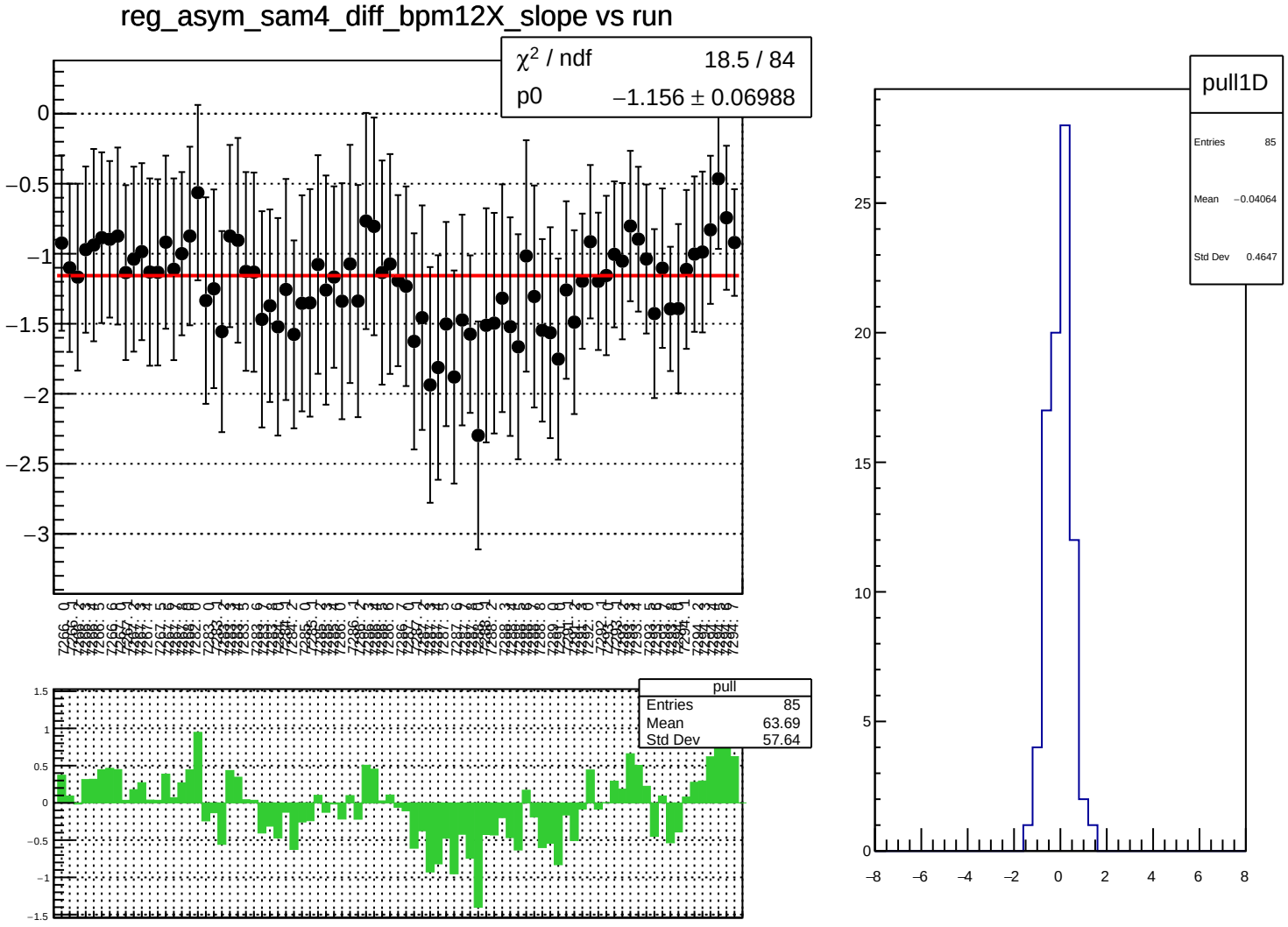

pull1D
Entries 85
Mean 0.09745
Std Dev 1.559

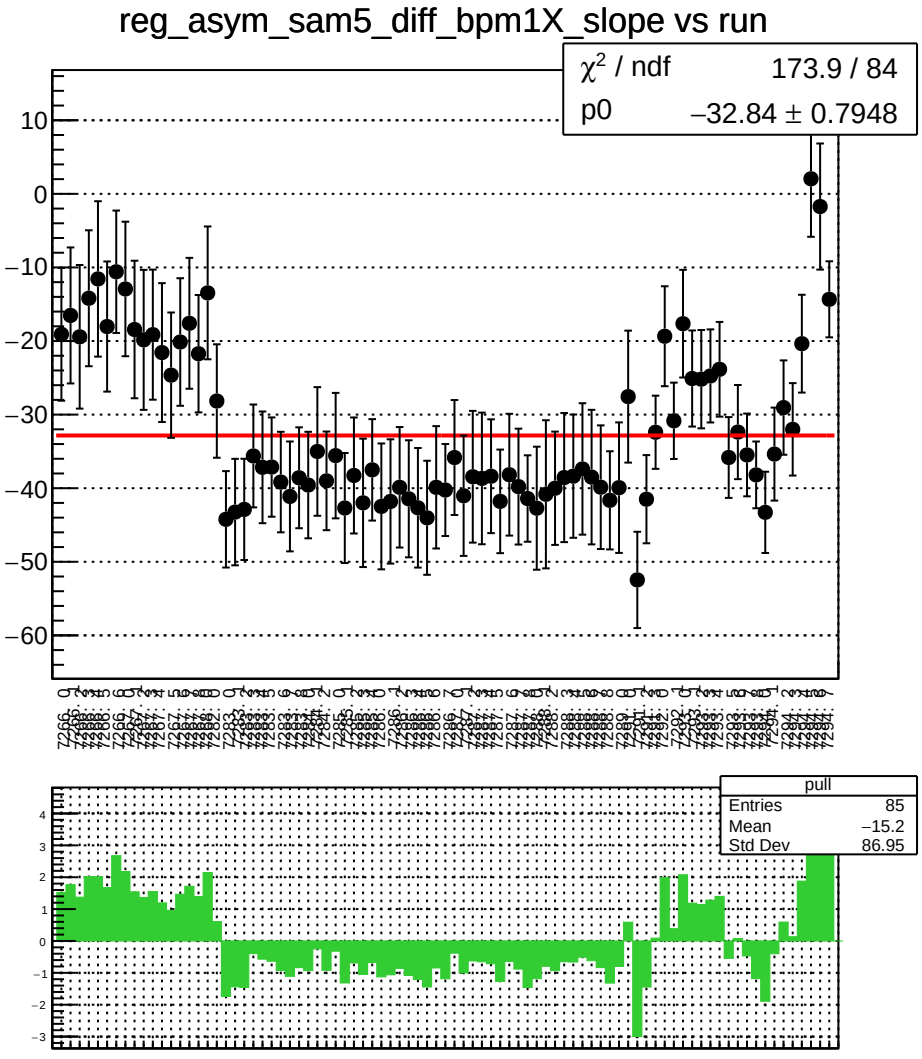

reg_asym_sam4_diff_bpm4eX_slope vs run
χ^2 / ndf 395.6 / 84
p0 −7.561 ± 1.456
pull
Entries 85
Mean −17.49
Std Dev 27.42

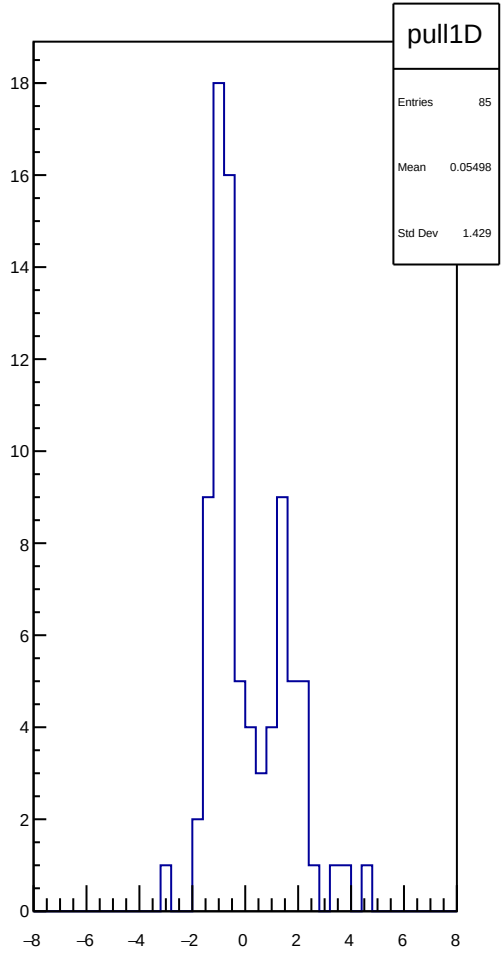

pull1D
Entries 85
Mean −0.1669
Std Dev 2.151

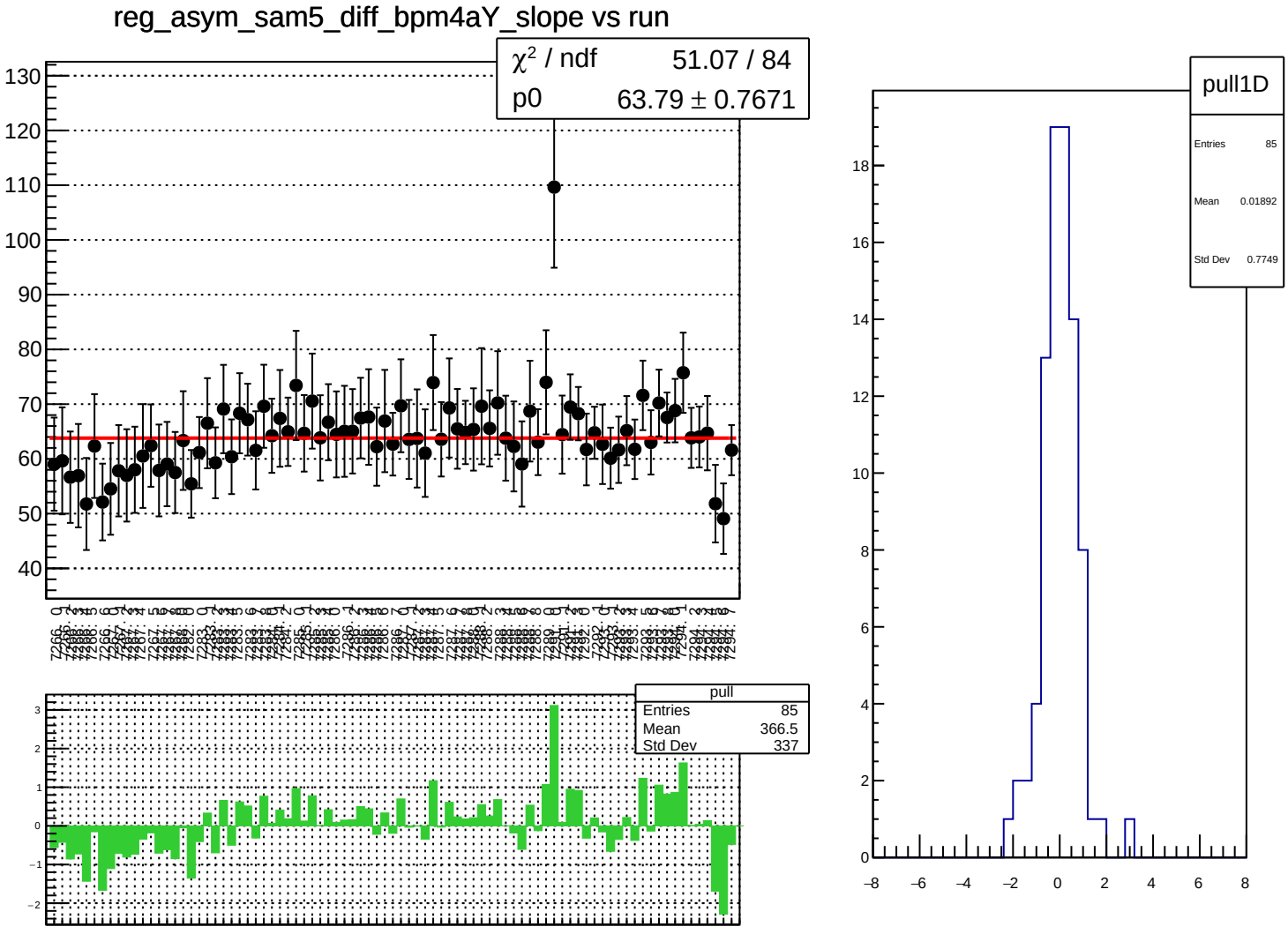

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 121.4 / 84
p0 139.1 ± 1.471
pull
Entries 85
Mean −380.8
Std Dev 421.4

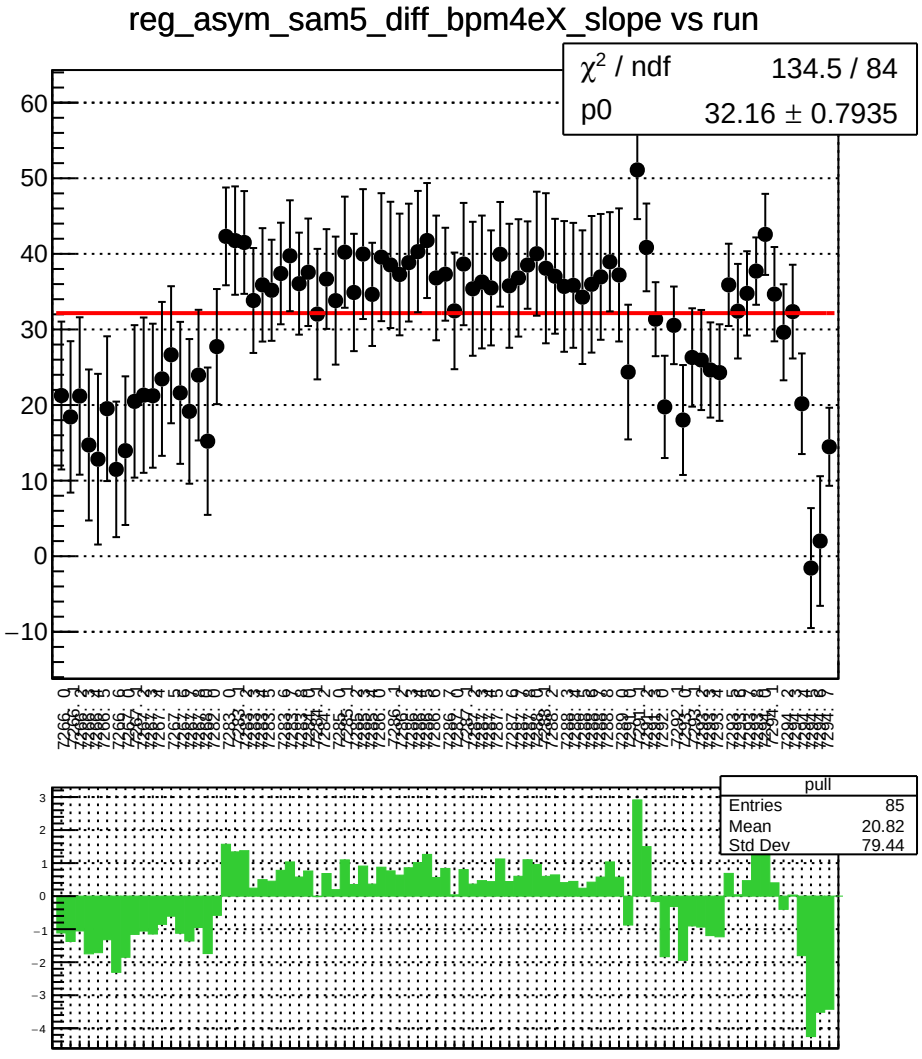

pull1D
Entries 85
Mean 0.02124
Std Dev 1.195

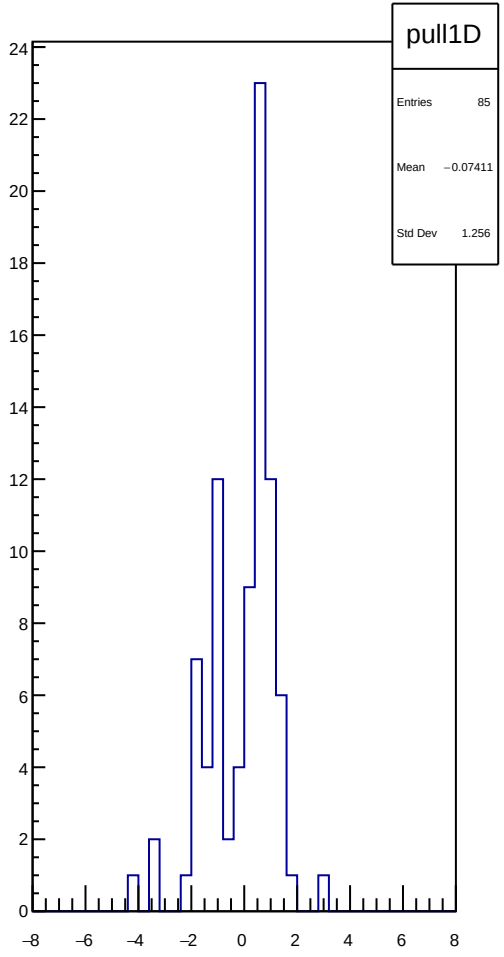

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 18.5 / 84
p0 −1.156 ± 0.06988
pull
Entries 85
Mean 63.69
Std Dev 57.64
pull1D
Entries 85
Mean −0.04064
Std Dev 0.4647

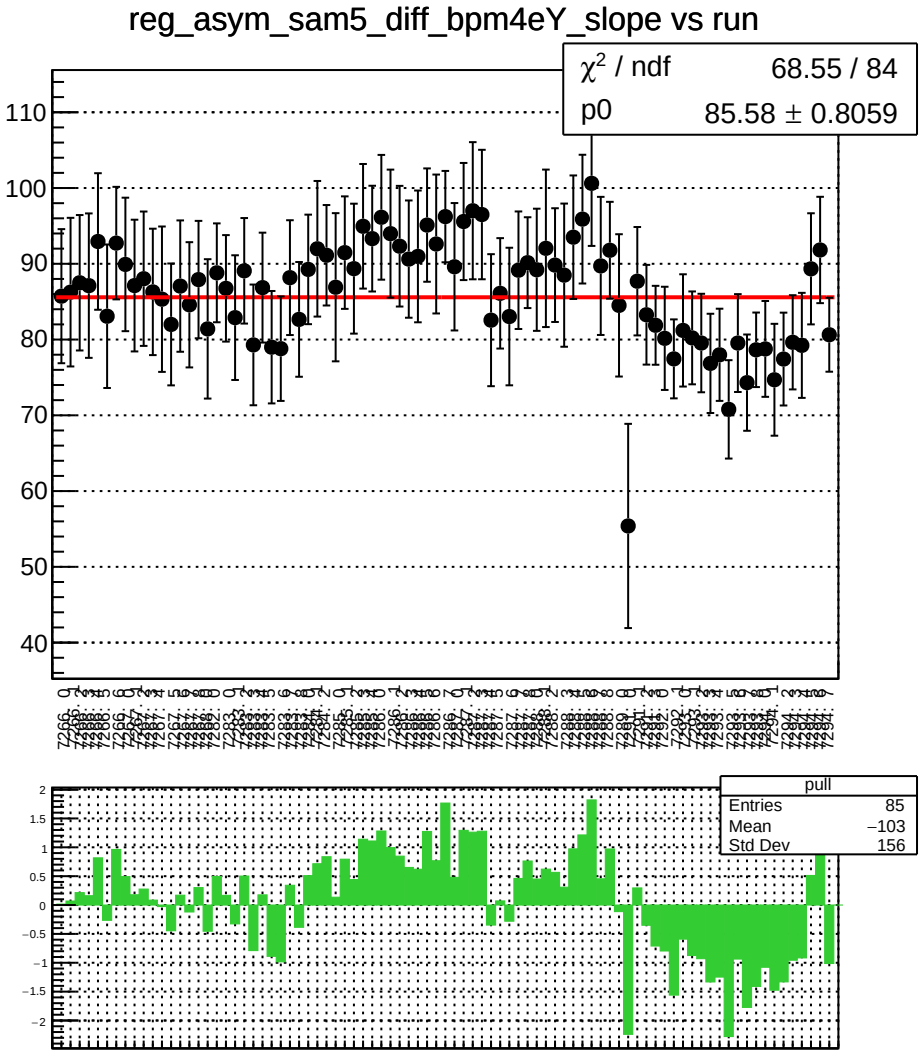

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 173.9 / 84
p0 −32.84 ± 0.7948
pull
Entries 85
Mean −15.2
Std Dev 86.95

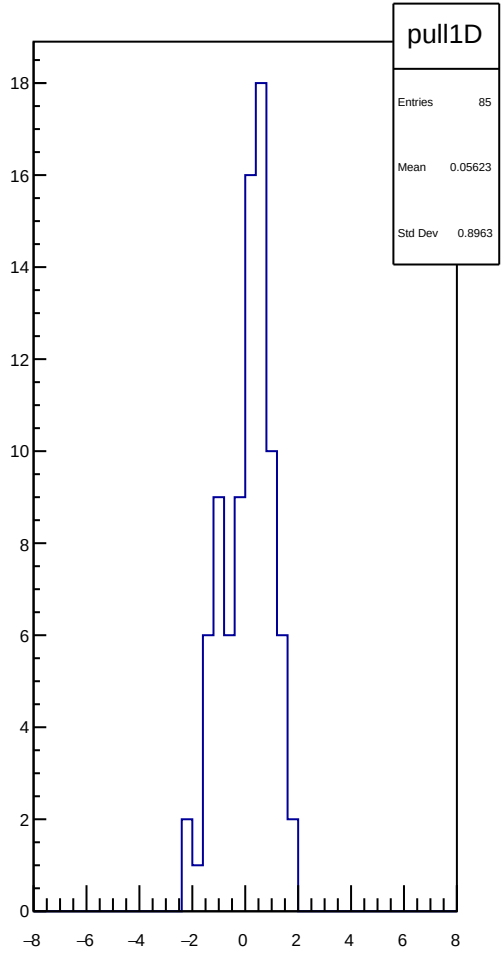

pull1D
Entries 85
Mean 0.05498
Std Dev 1.429

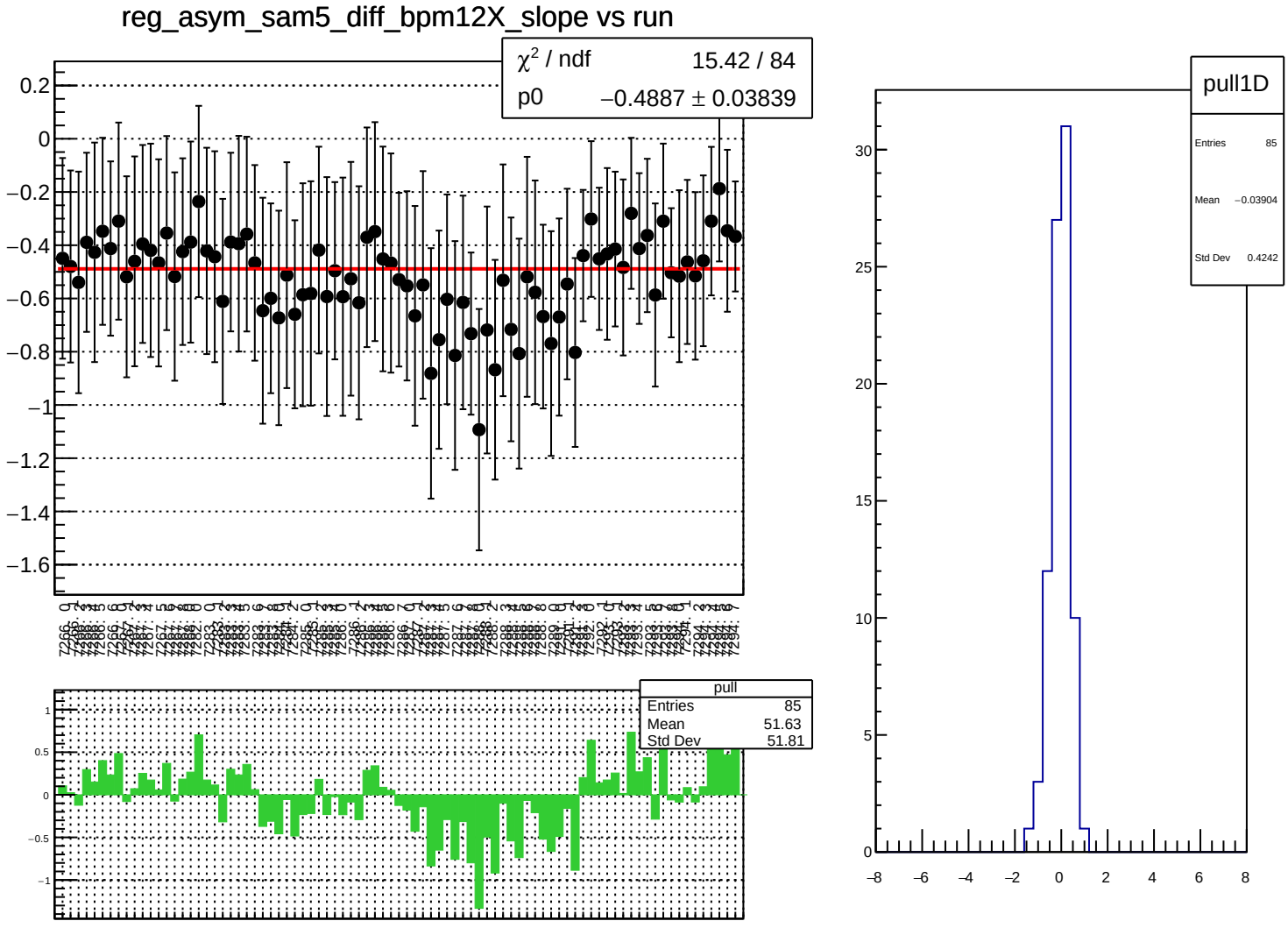

reg_asym_sam5_diff_bpm4aY_slope vs run
χ^2 / ndf 51.07 / 84
p0 63.79 ± 0.7671
pull
Entries 85
Mean 366.5
Std Dev 337
pull1D
Entries 85
Mean 0.01892
Std Dev 0.7749

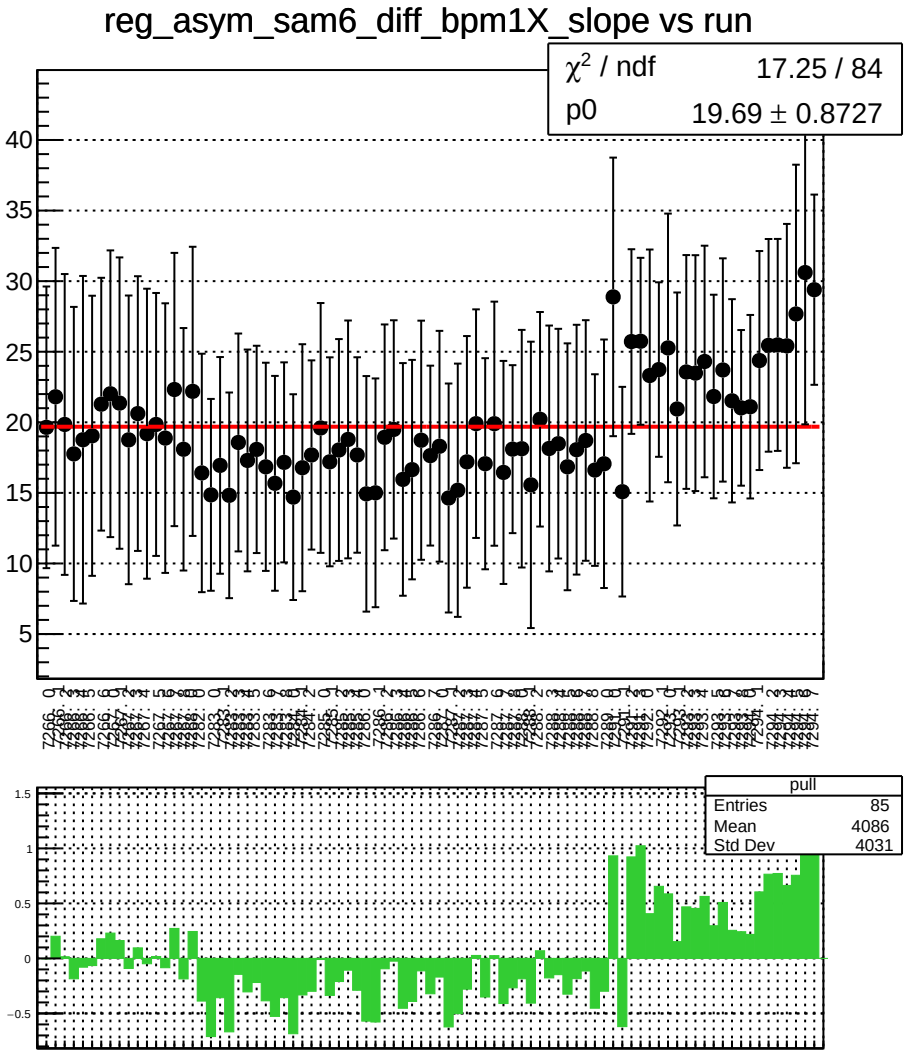

reg_asym_sam5_diff_bpm4eX_slope vs run
χ^2 / ndf 134.5 / 84
p0 32.16 ± 0.7935
pull
Entries 85
Mean 20.82
Std Dev 79.44

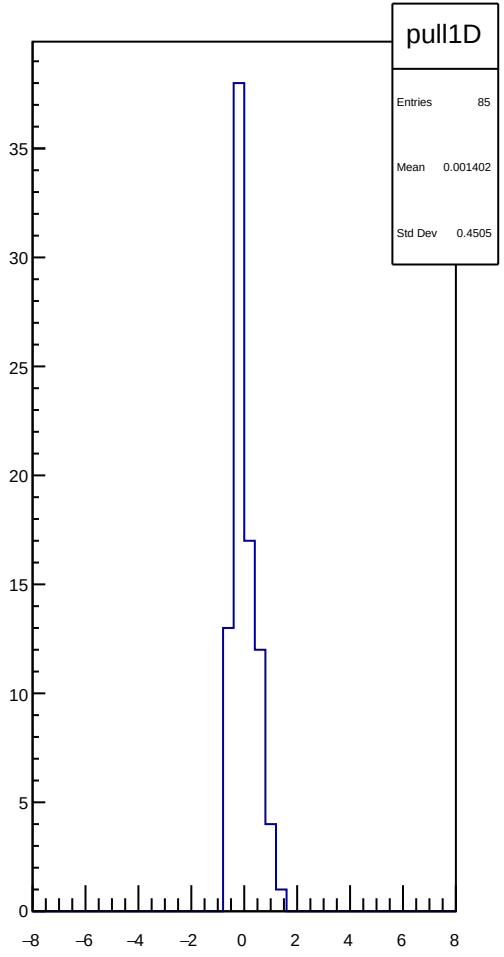

pull1D
Entries 85
Mean −0.07411
Std Dev 1.256

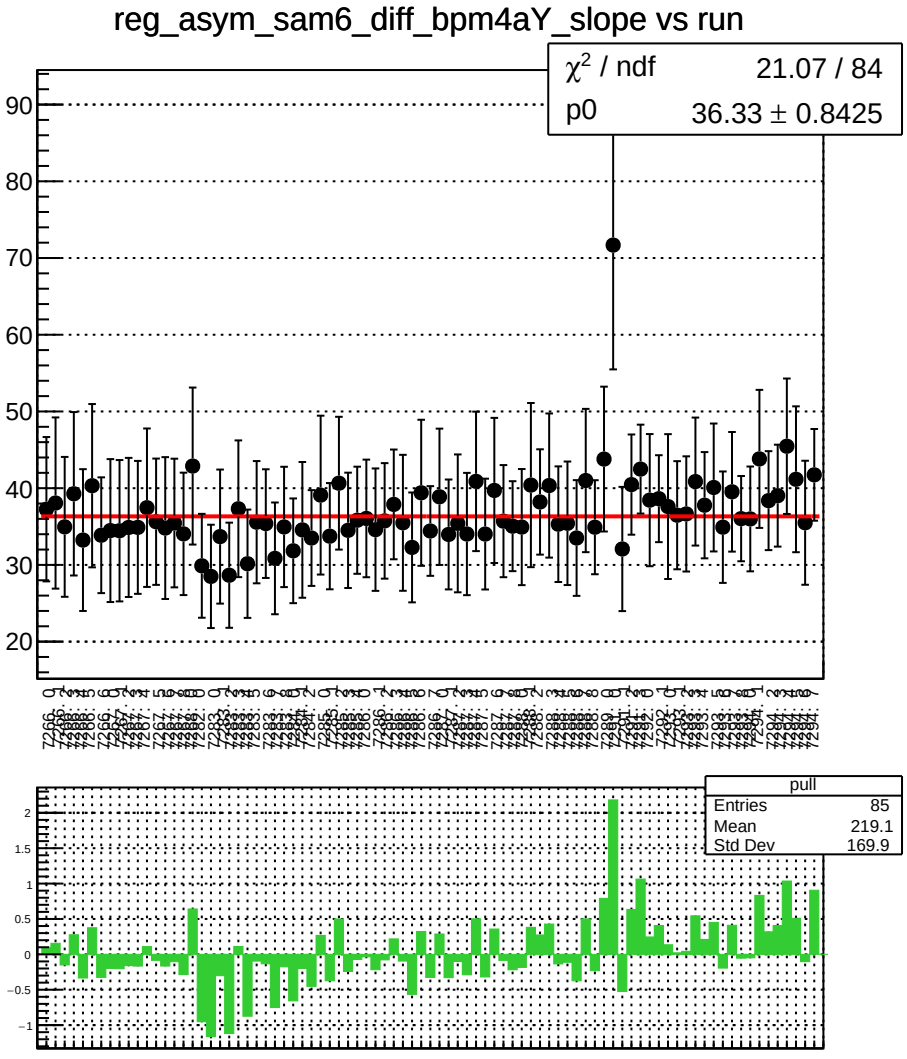

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 68.55 / 84
p0 85.58 ± 0.8059
pull
Entries 85
Mean −103
Std Dev 156

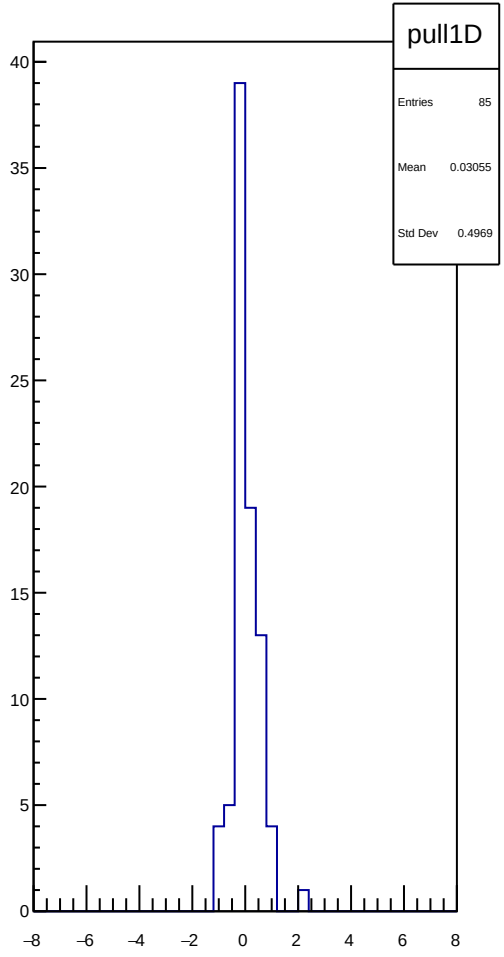

pull1D
Entries 85
Mean 0.05623
Std Dev 0.8963

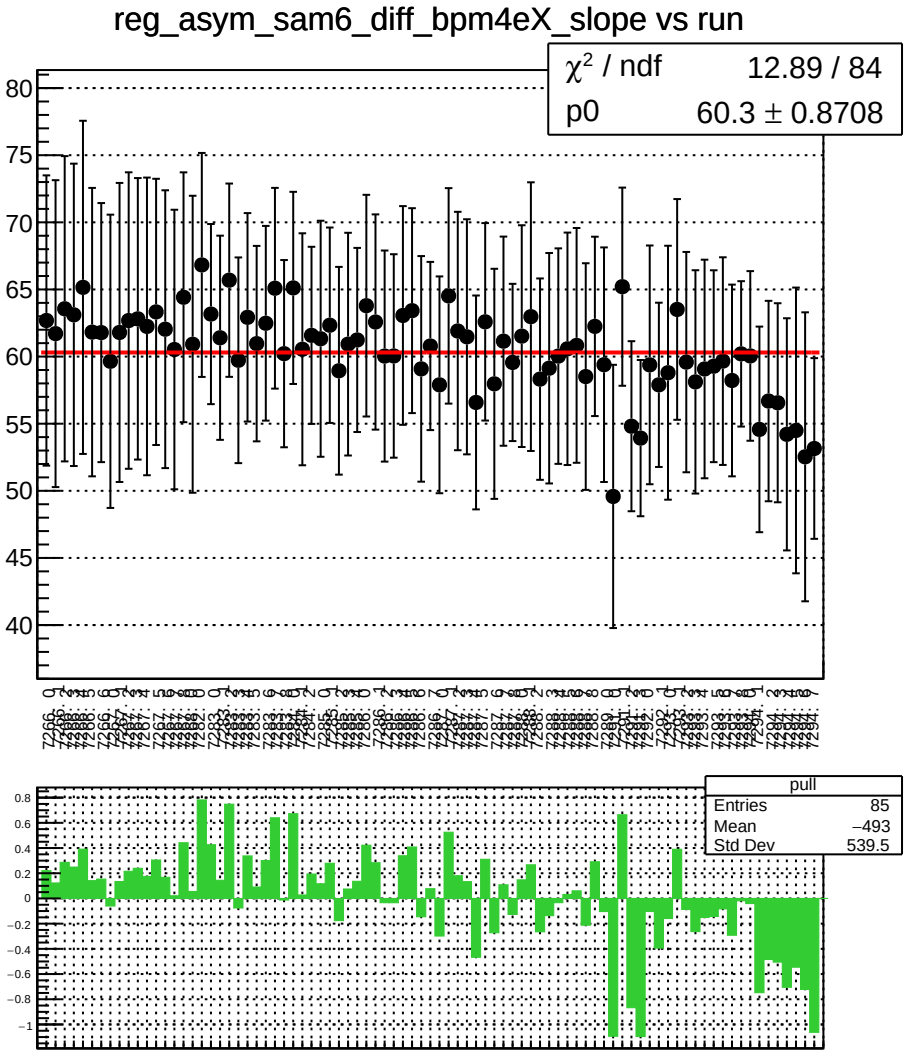

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 15.42 / 84
p0 −0.4887 ± 0.03839
pull
Entries 85
Mean 51.63
Std Dev 51.81
pull1D
Entries 85
Mean −0.03904
Std Dev 0.4242

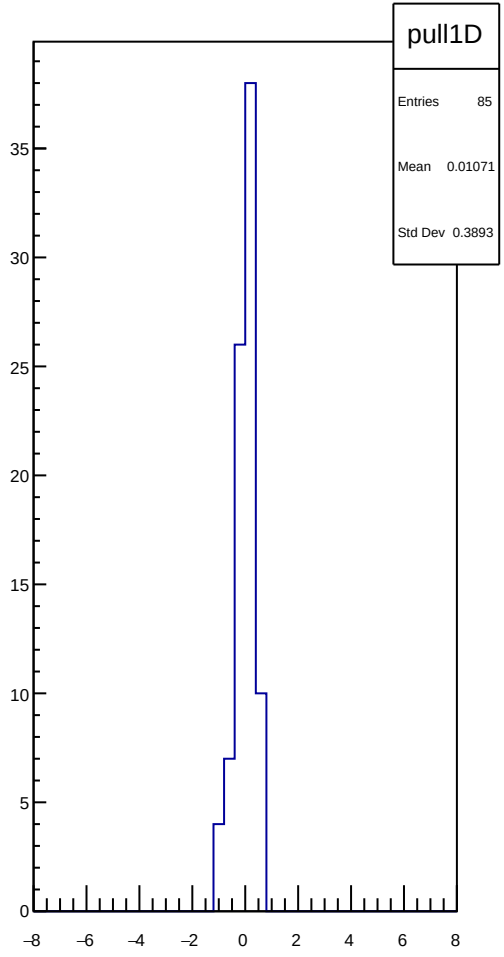

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 17.25 / 84
p0 19.69 ± 0.8727
pull
Entries 85
Mean 4086
Std Dev 4031

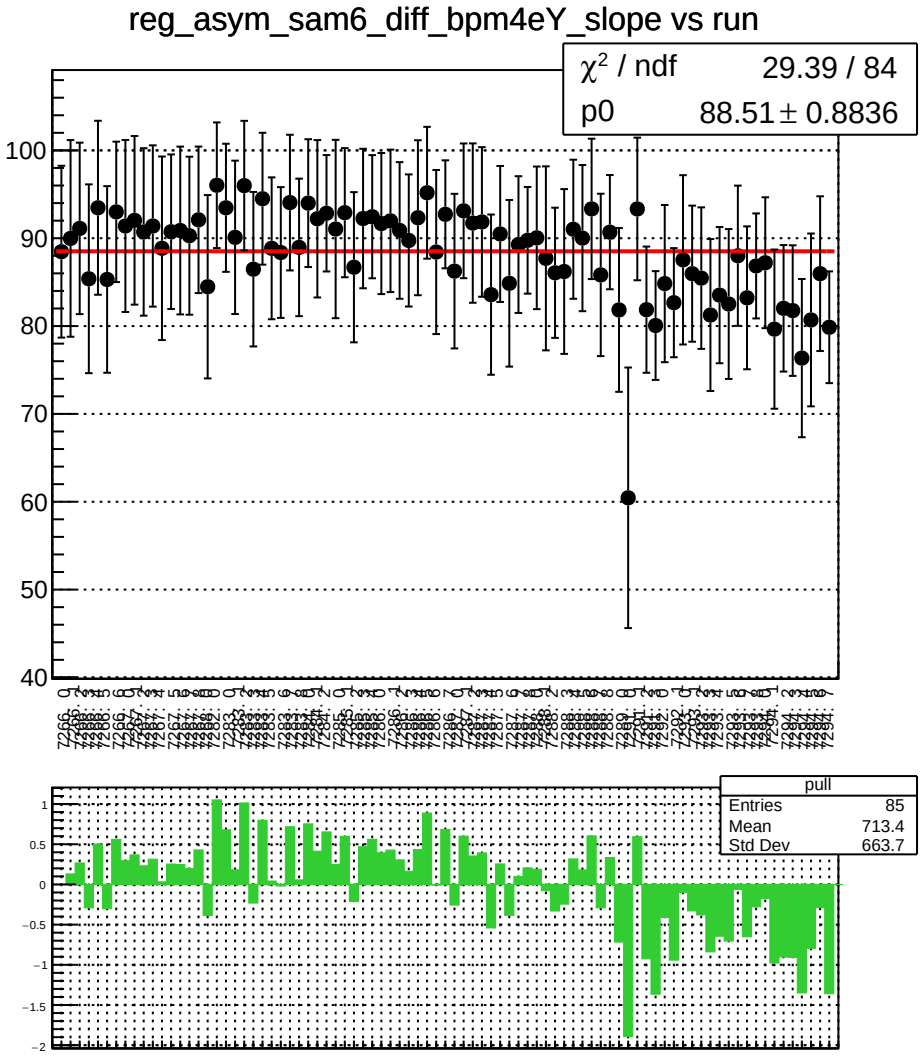

pull1D
Entries 85
Mean 0.001402
Std Dev 0.4505

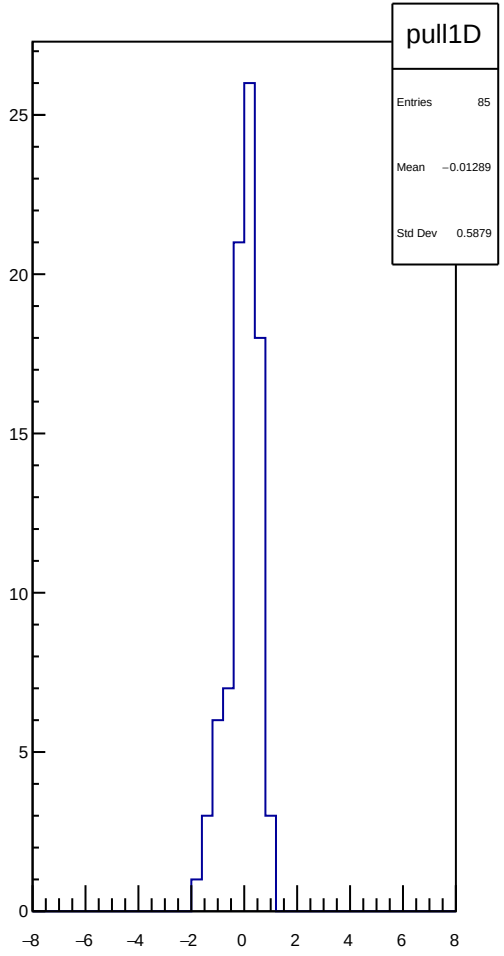

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 21.07 / 84
p0 36.33 ± 0.8425
pull
Entries 85
Mean 219.1
Std Dev 169.9

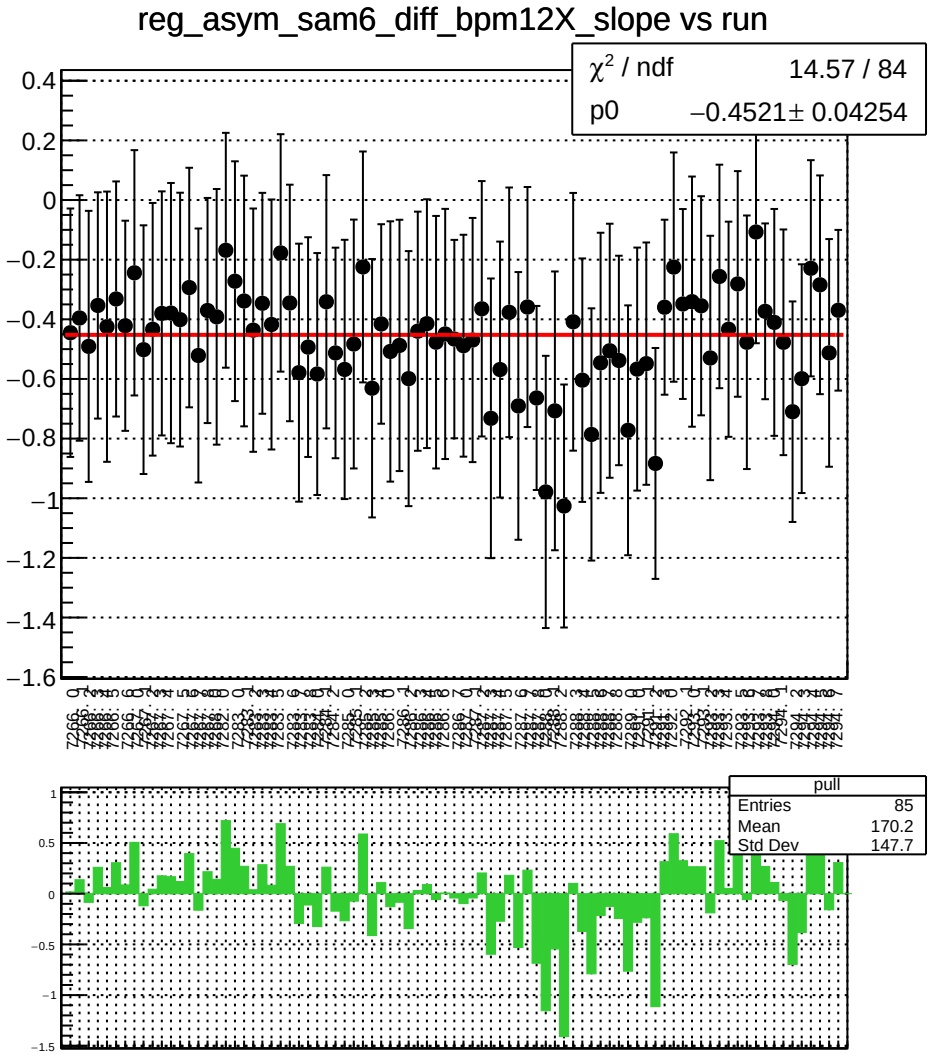

pull1D
Entries 85
Mean 0.03055
Std Dev 0.4969

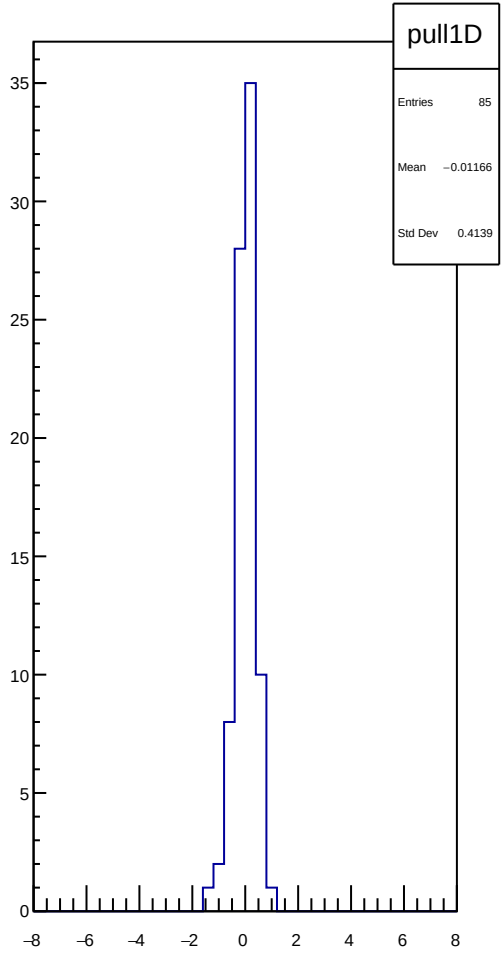

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 12.89 / 84
p0 60.3 ± 0.8708
pull
Entries 85
Mean −493
Std Dev 539.5

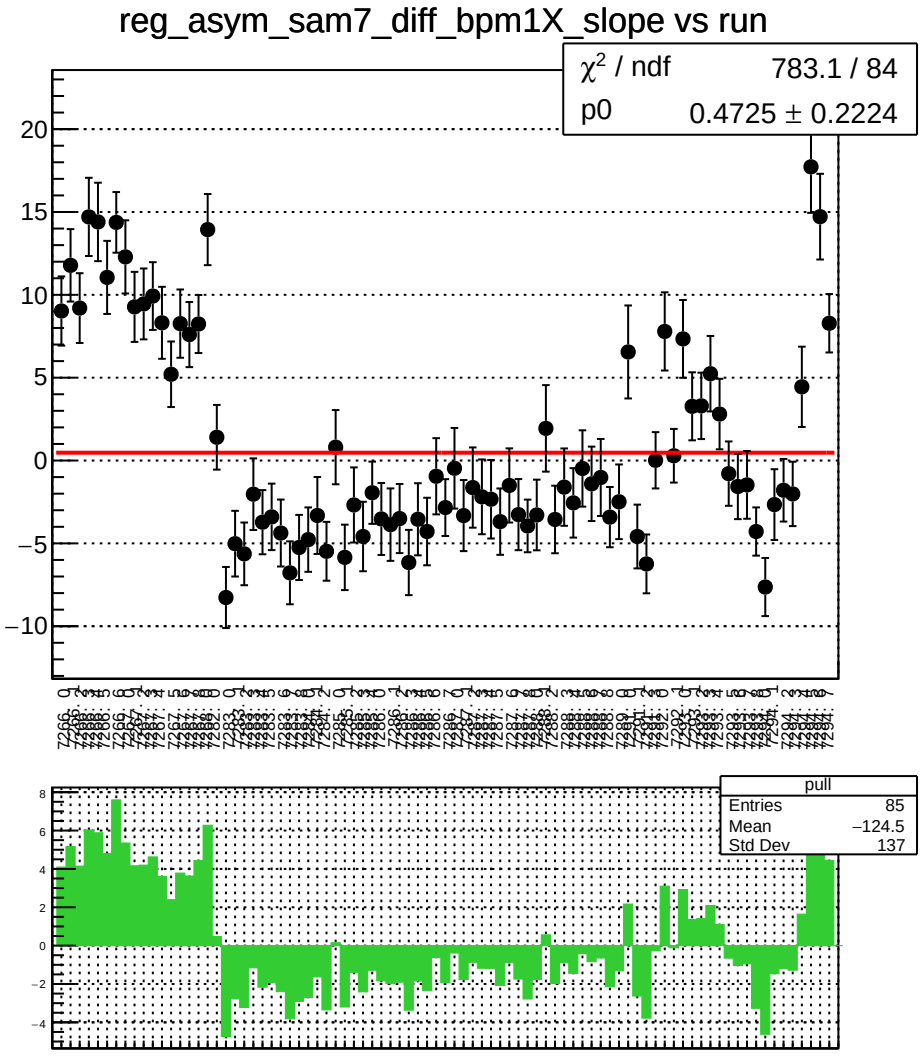

pull1D
Entries 85
Mean 0.01071
Std Dev 0.3893

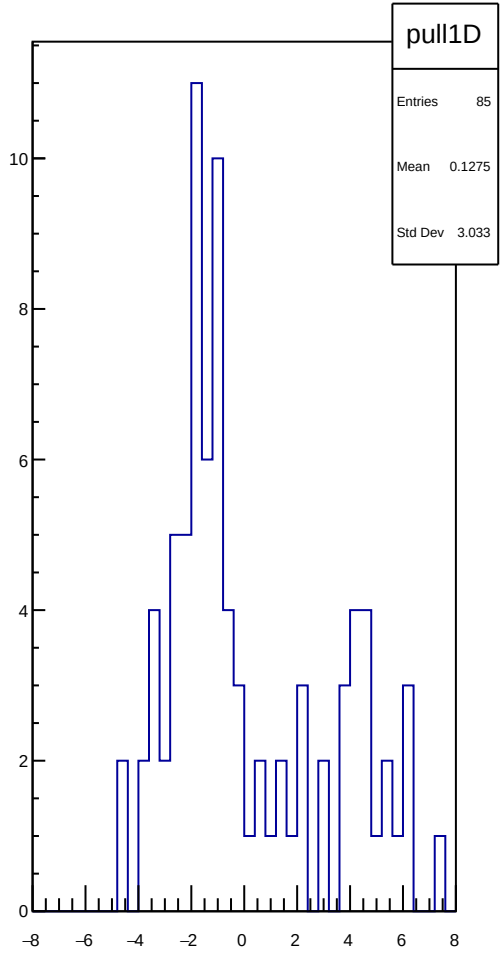

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 29.39 / 84
p0 88.51 ± 0.8836
pull
Entries 85
Mean 713.4
Std Dev 663.7

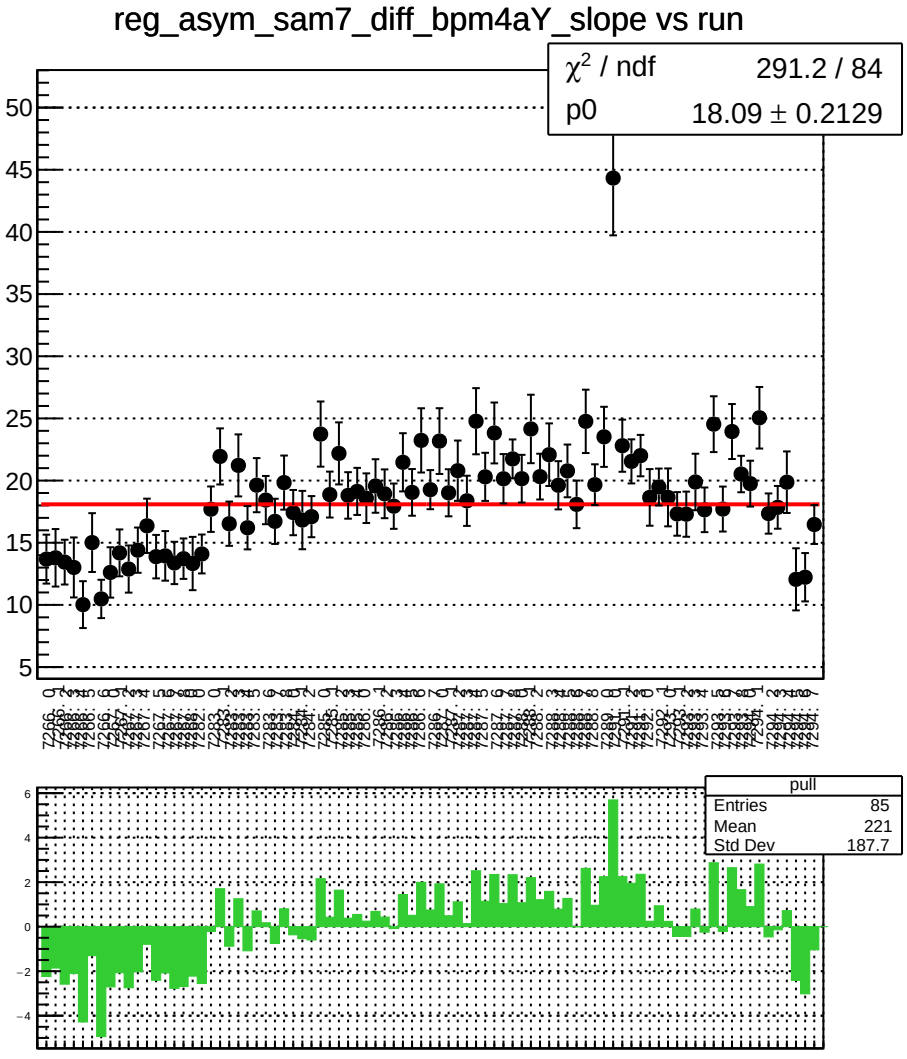

pull1D
Entries 85
Mean −0.01289
Std Dev 0.5879

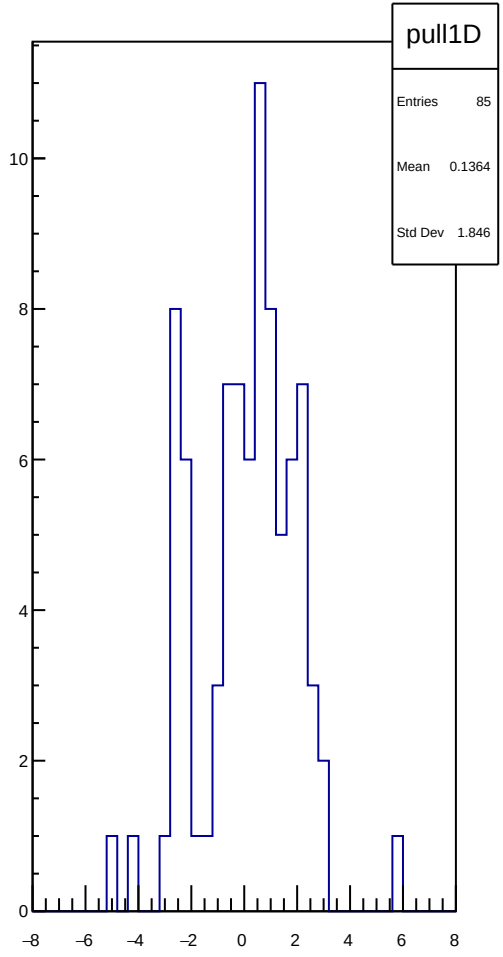

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 14.57 / 84
p0 −0.4521± 0.04254
pull
Entries 85
Mean 170.2
Std Dev 147.7

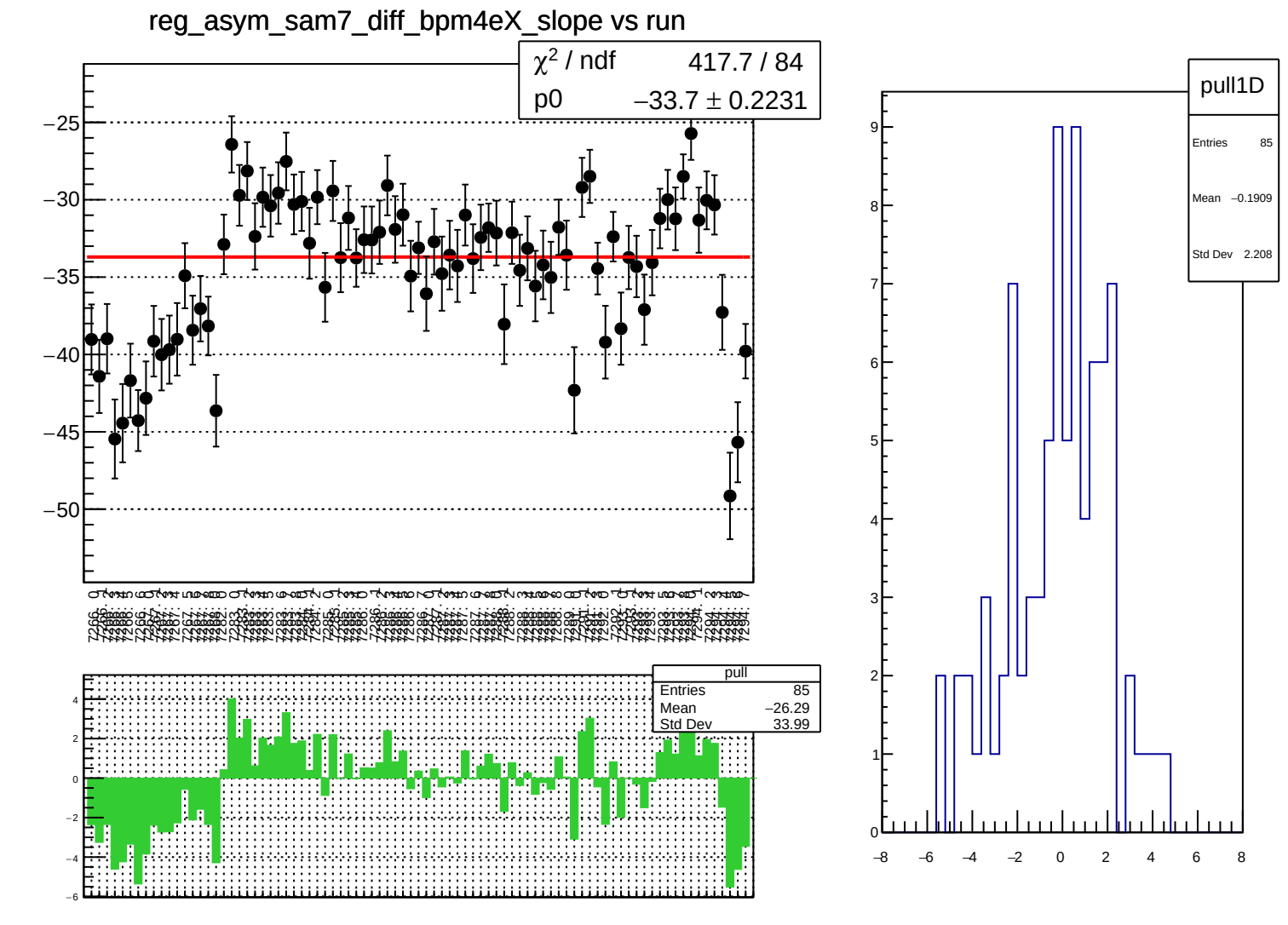

pull1D
Entries 85
Mean −0.01166
Std Dev 0.4139

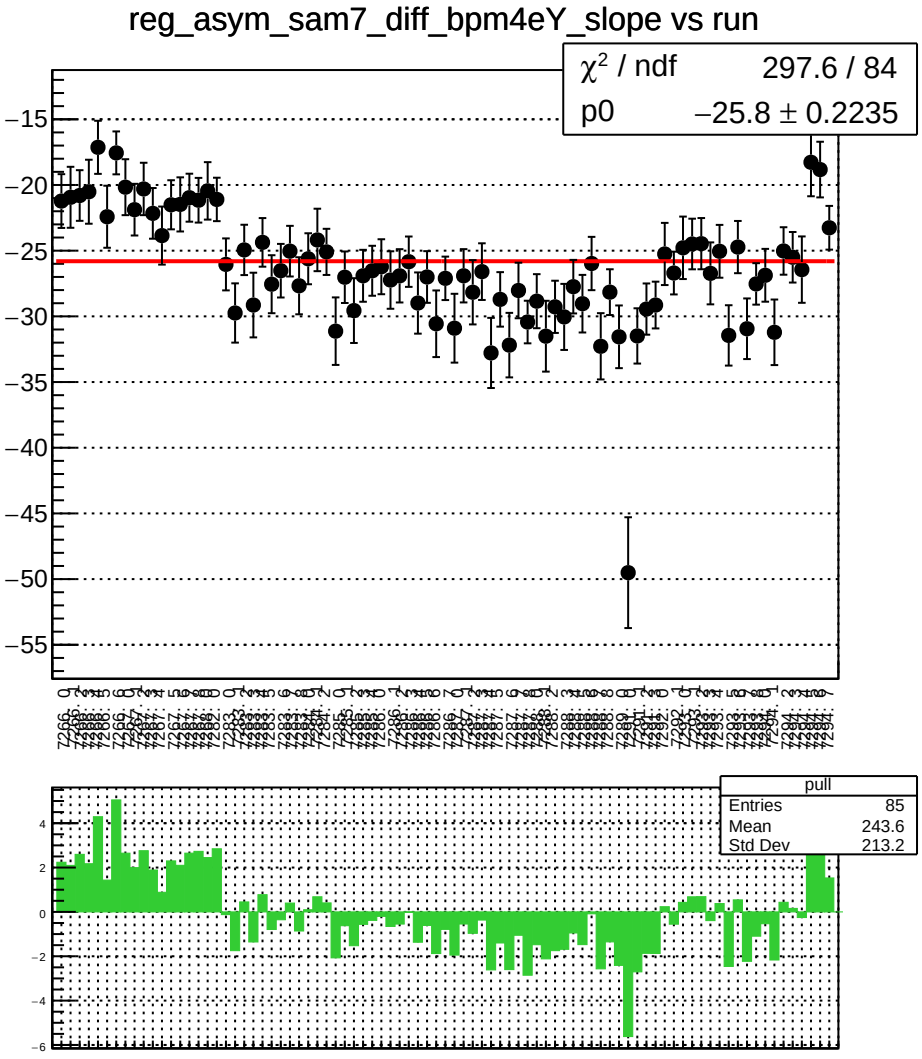

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 783.1 / 84
p0 0.4725 ± 0.2224
pull
Entries 85
Mean −124.5
Std Dev 137

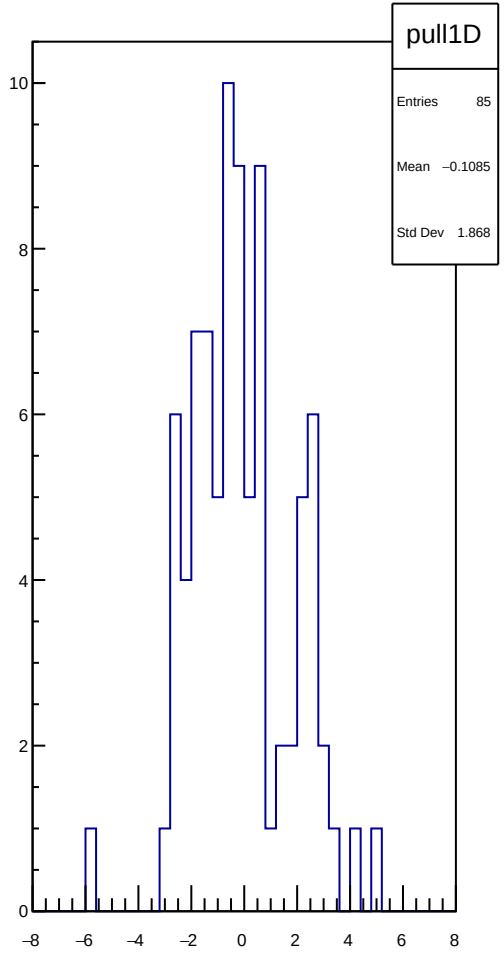

pull1D
Entries 85
Mean 0.1275
Std Dev 3.033

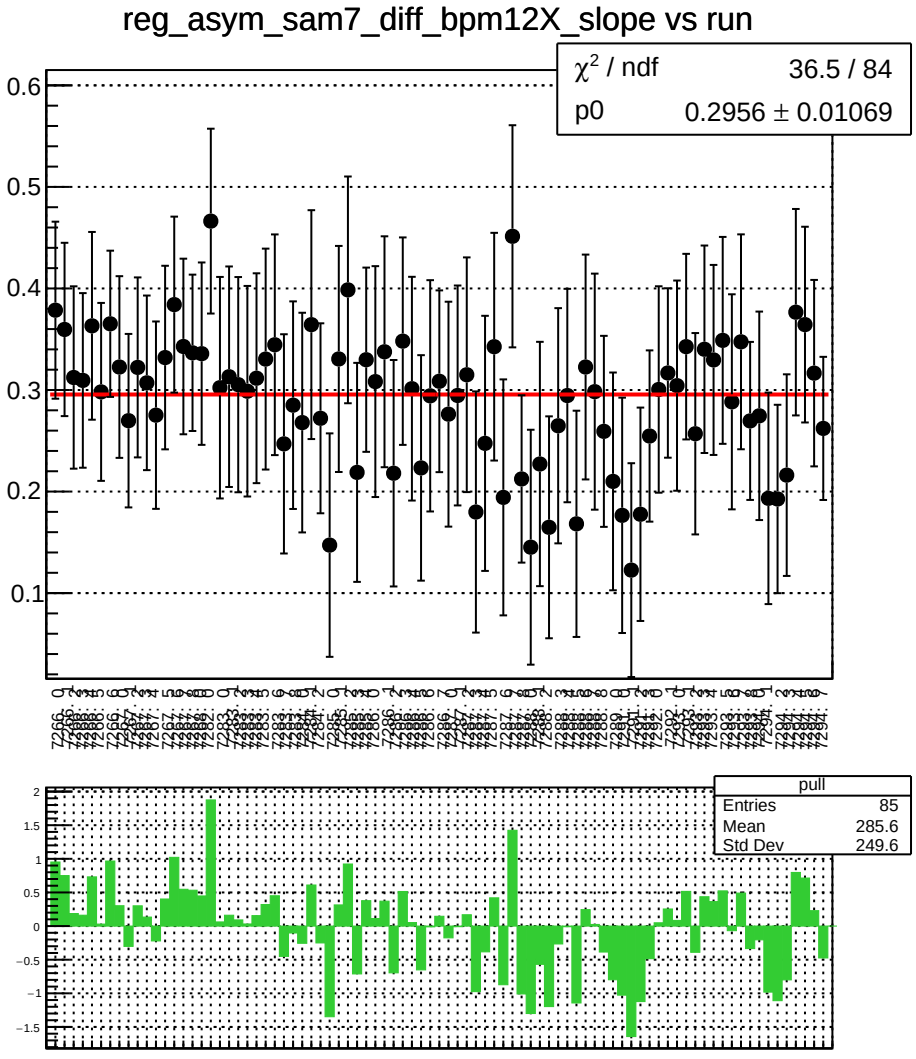

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 291.2 / 84
p0 18.09 ± 0.2129
pull
Entries 85
Mean 221
Std Dev 187.7

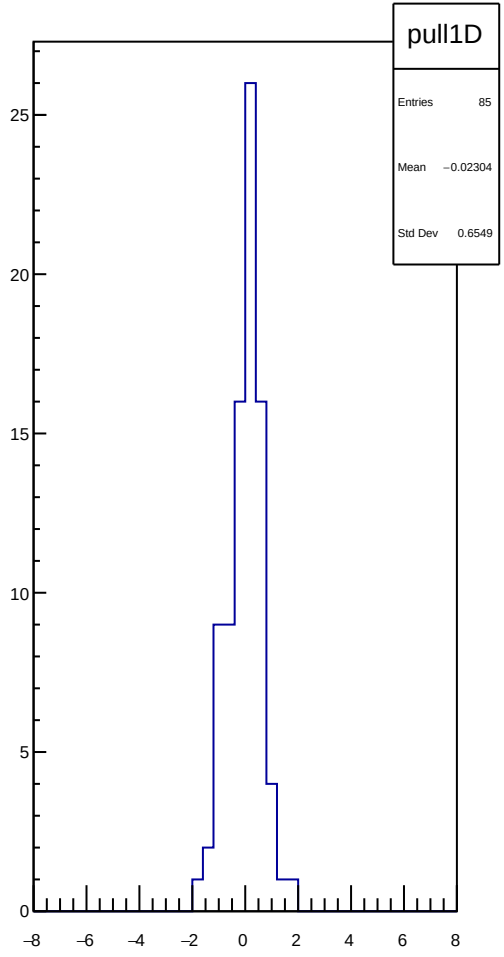

pull1D
Entries 85
Mean 0.1364
Std Dev 1.846

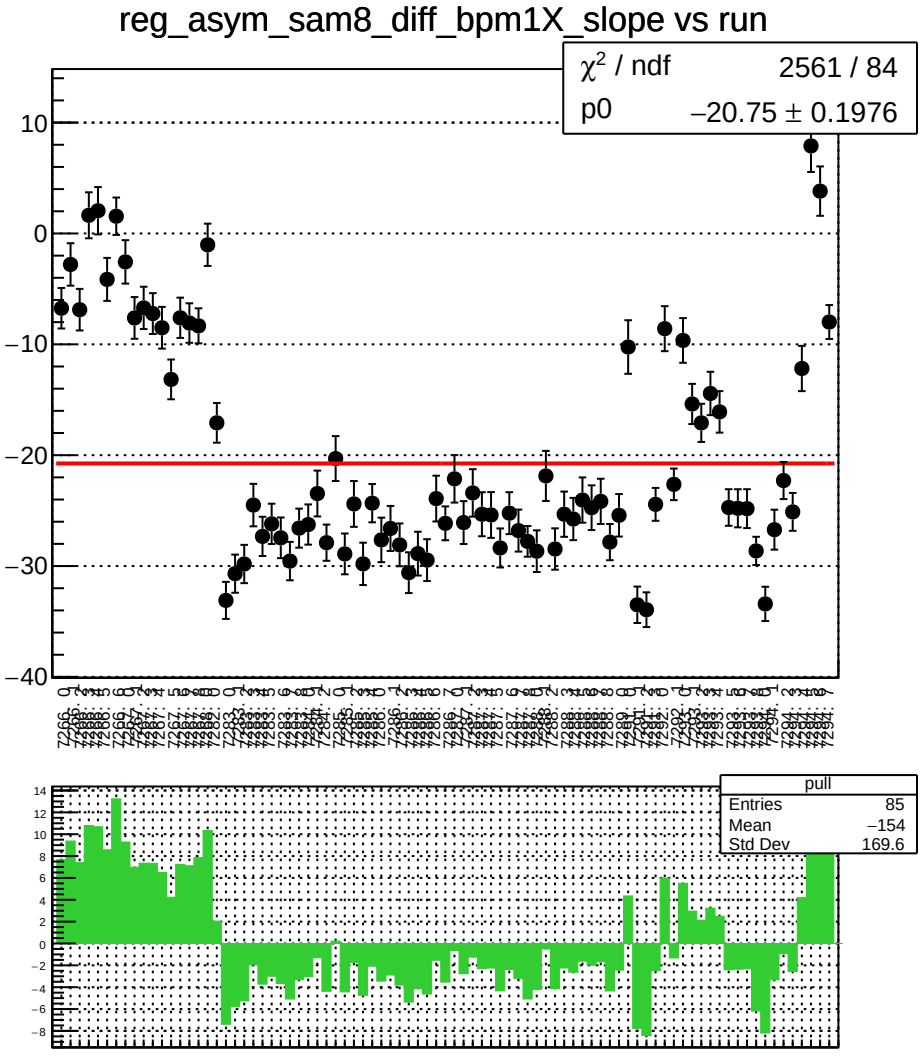

reg_asym_sam7_diff_bpm4eX_slope vs run
χ^2 / ndf 417.7 / 84
p0 −33.7 ± 0.2231
pull
Entries 85
Mean −26.29
Std Dev 33.99
pull1D
Entries 85
Mean −0.1909
Std Dev 2.208

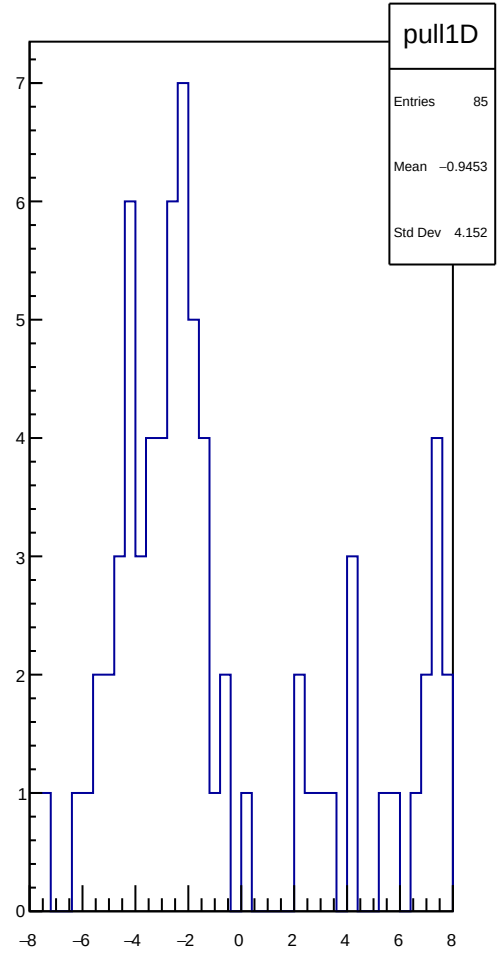

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 297.6 / 84
p0 −25.8 ± 0.2235
pull
Entries 85
Mean 243.6
Std Dev 213.2

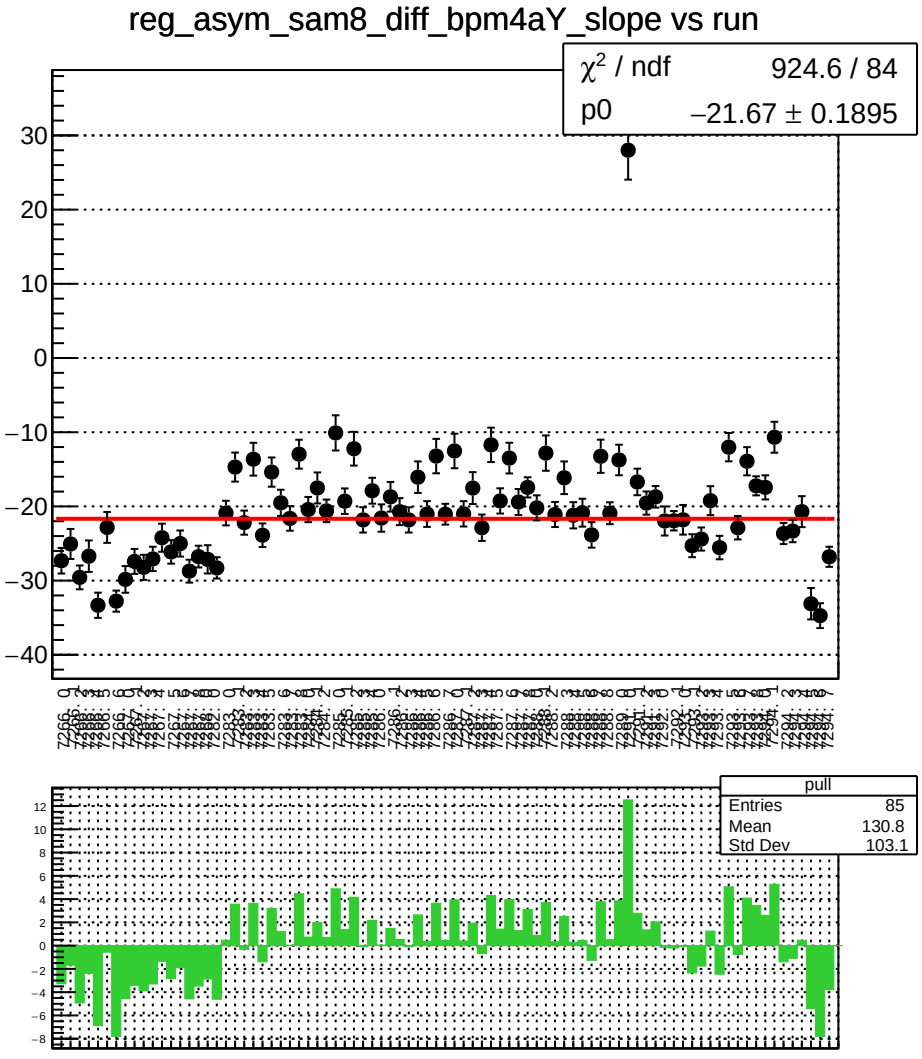

pull1D
Entries 85
Mean −0.1085
Std Dev 1.868

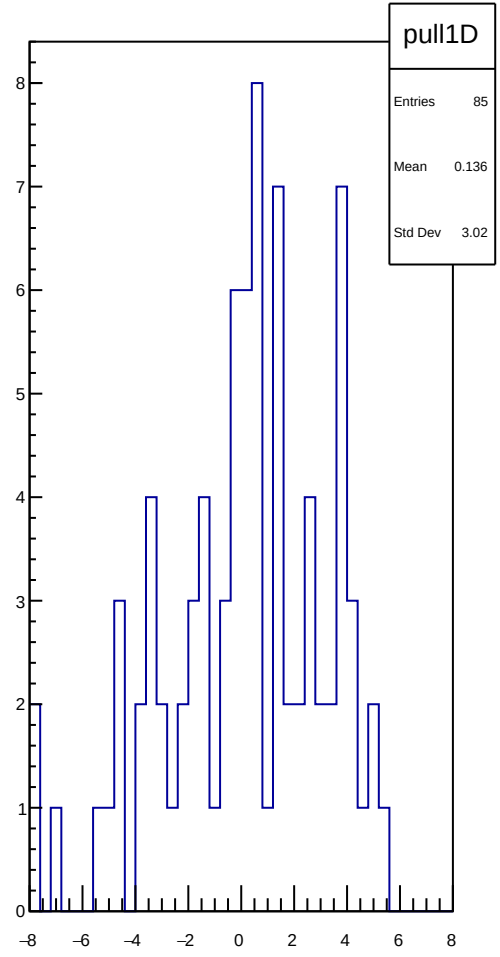

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 36.5 / 84
p0 0.2956 ± 0.01069
pull
Entries 85
Mean 285.6
Std Dev 249.6

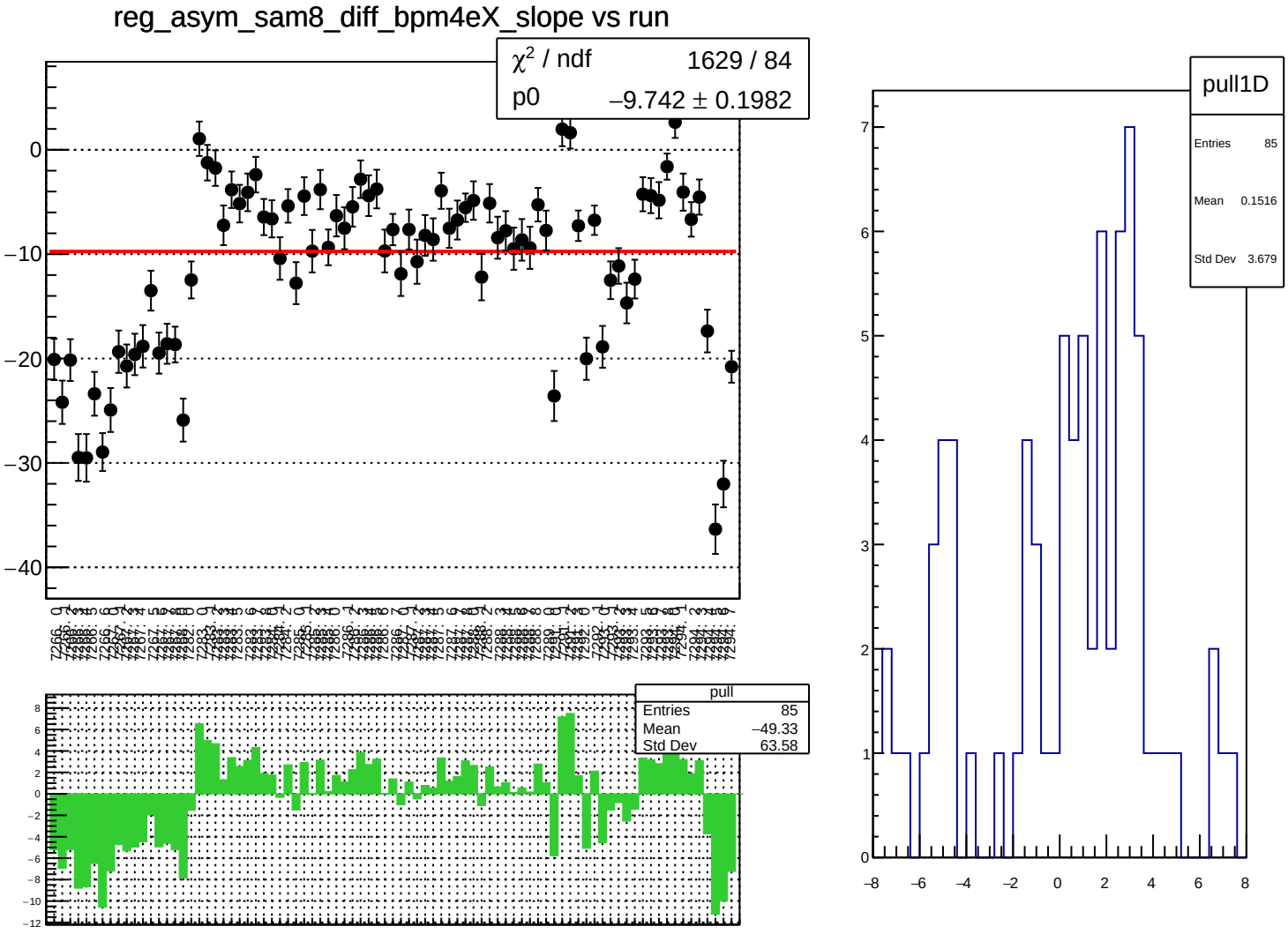

pull1D
Entries 85
Mean −0.02304
Std Dev 0.6549

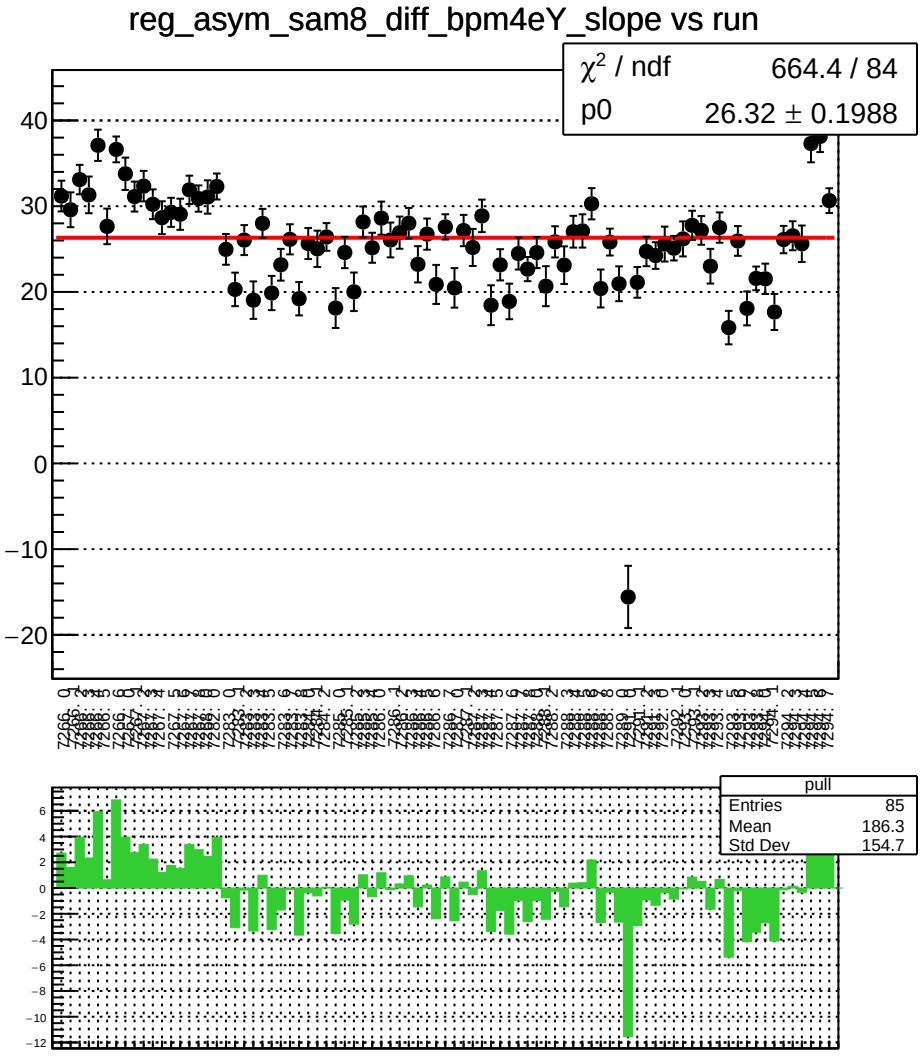

reg_asym_sam8_diff_bpm1X_slope vs run
χ^2 / ndf 2561 / 84
p0 −20.75 ± 0.1976
pull
Entries 85
Mean −154
Std Dev 169.6

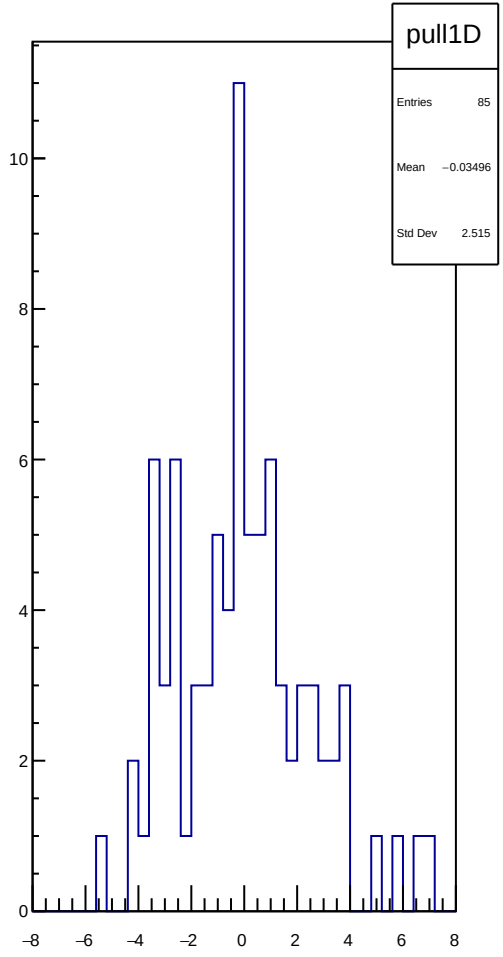

pull1D
Entries 85
Mean −0.9453
Std Dev 4.152

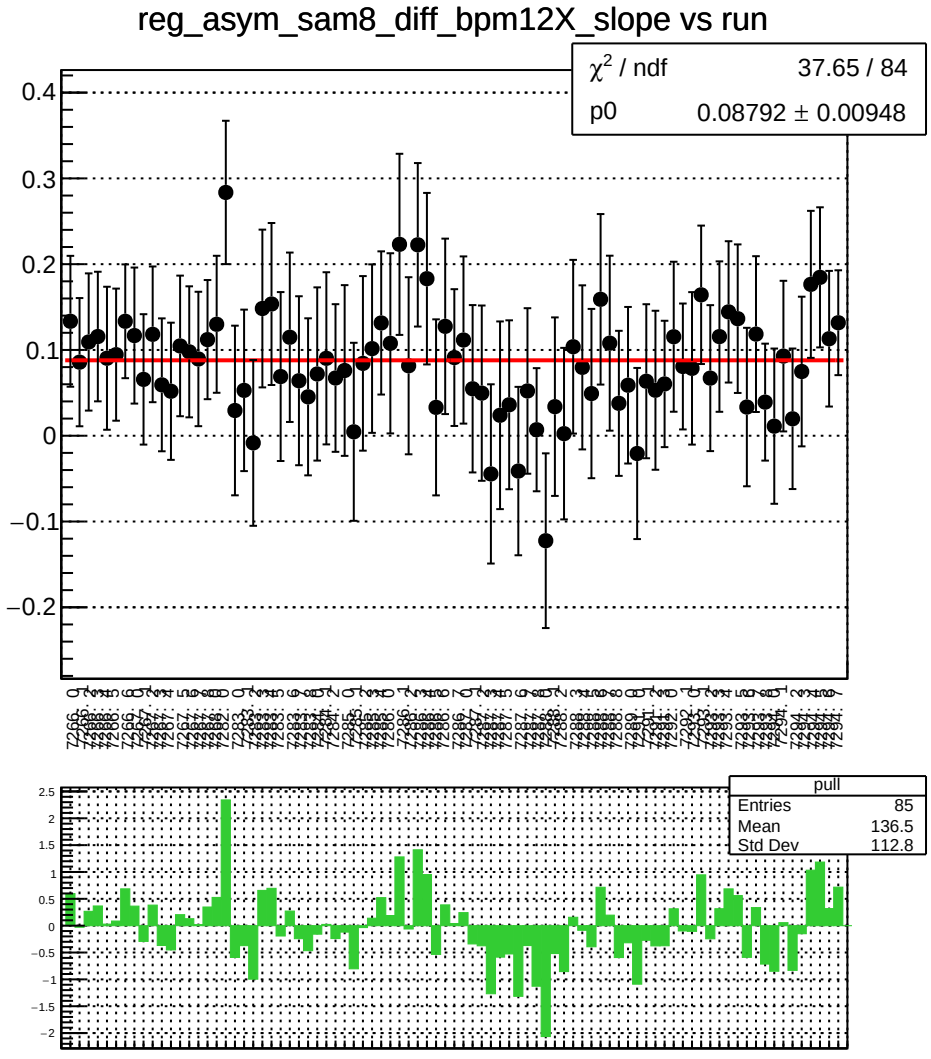

reg_asym_sam8_diff_bpm4aY_slope vs run
χ^2 / ndf 924.6 / 84
p0 −21.67 ± 0.1895
pull
Entries 85
Mean 130.8
Std Dev 103.1

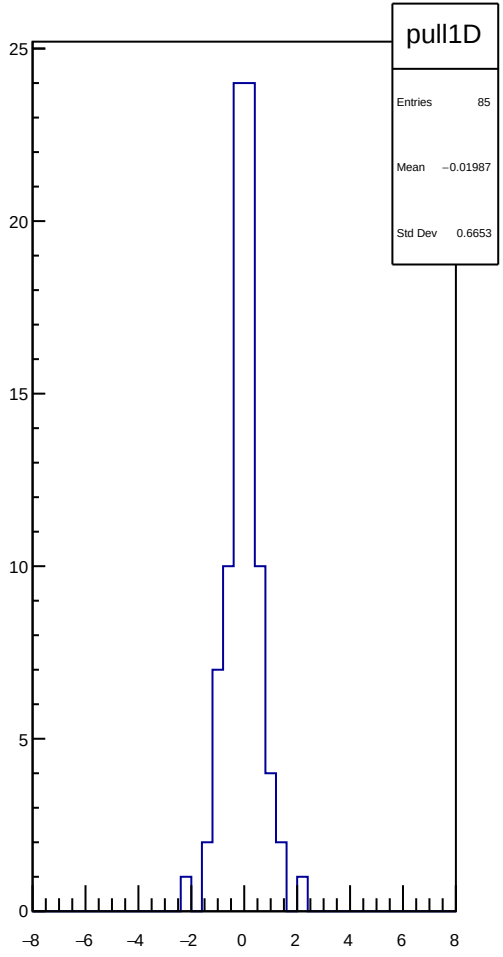

pull1D
Entries 85
Mean 0.136
Std Dev 3.02

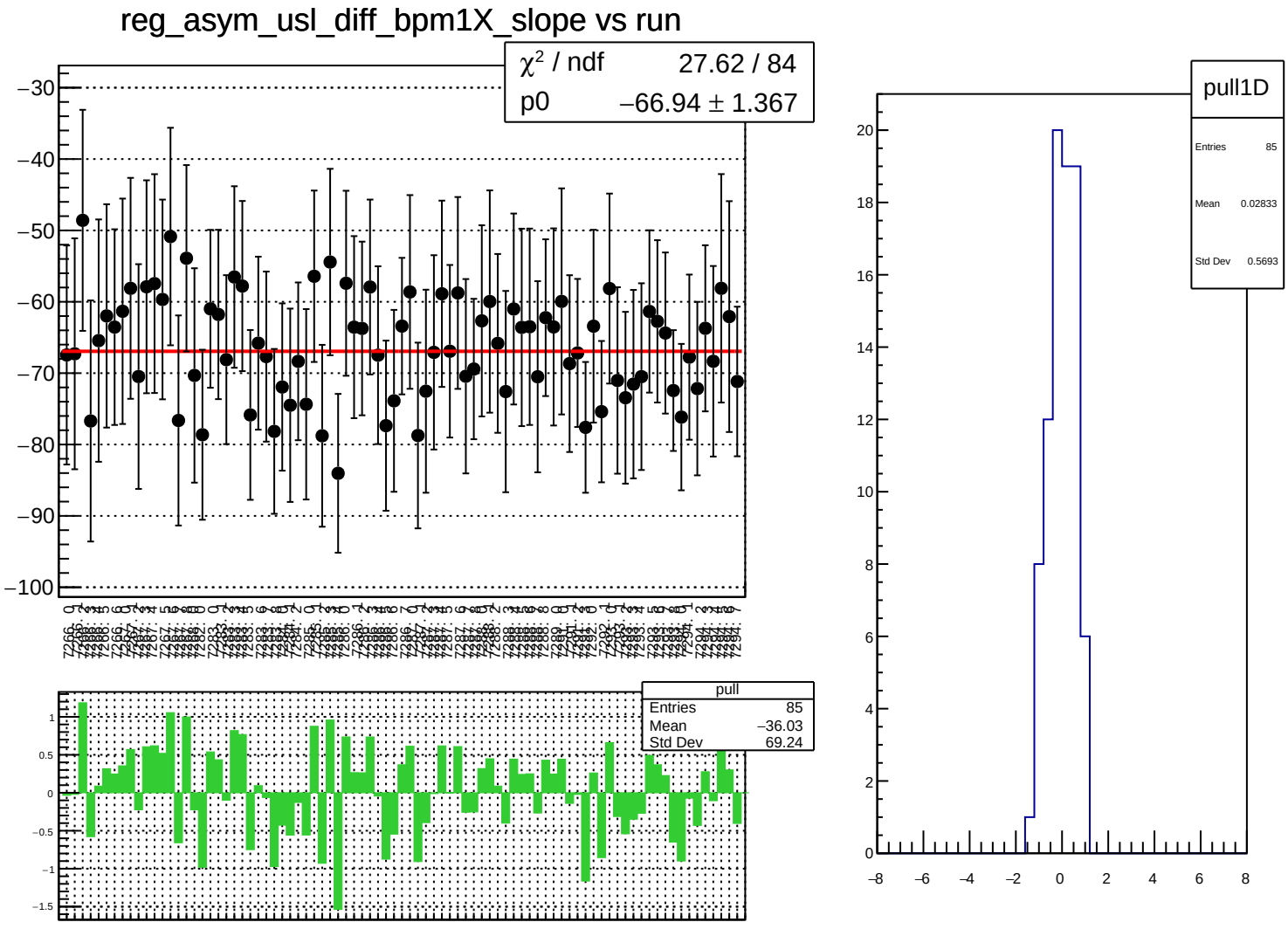

reg_asym_sam8_diff_bpm4eX_slope vs run
χ^2 / ndf 1629 / 84
p0 −9.742 ± 0.1982
pull
Entries 85
Mean −49.33
Std Dev 63.58
pull1D
Entries 85
Mean 0.1516
Std Dev 3.679

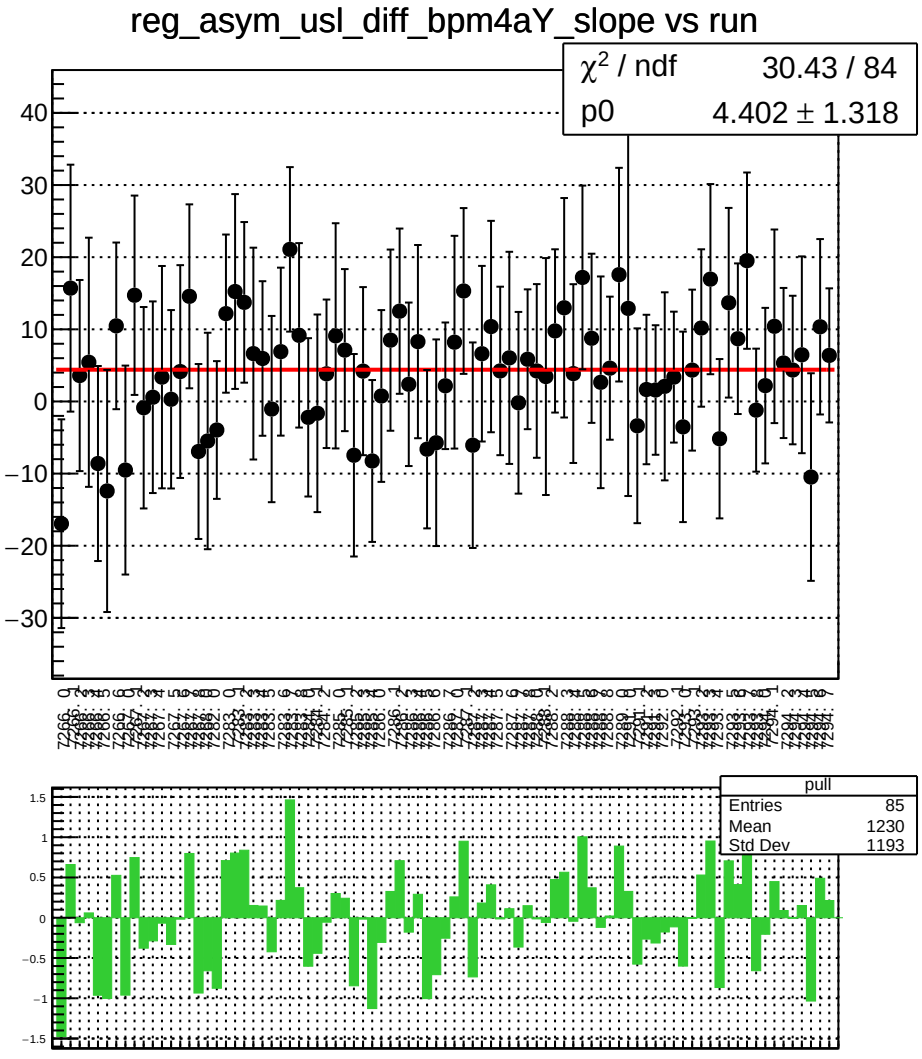

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 664.4 / 84
p0 26.32 ± 0.1988
pull
Entries 85
Mean 186.3
Std Dev 154.7

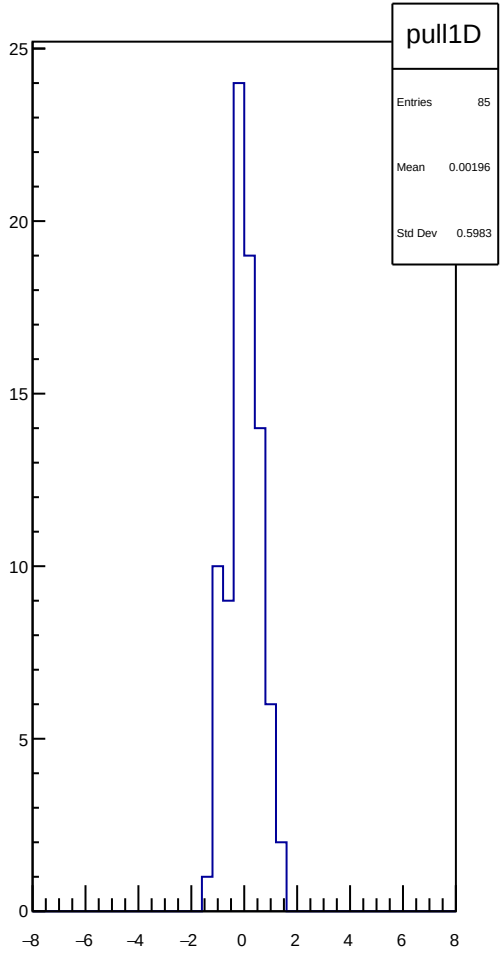

pull1D
Entries 85
Mean −0.03496
Std Dev 2.515

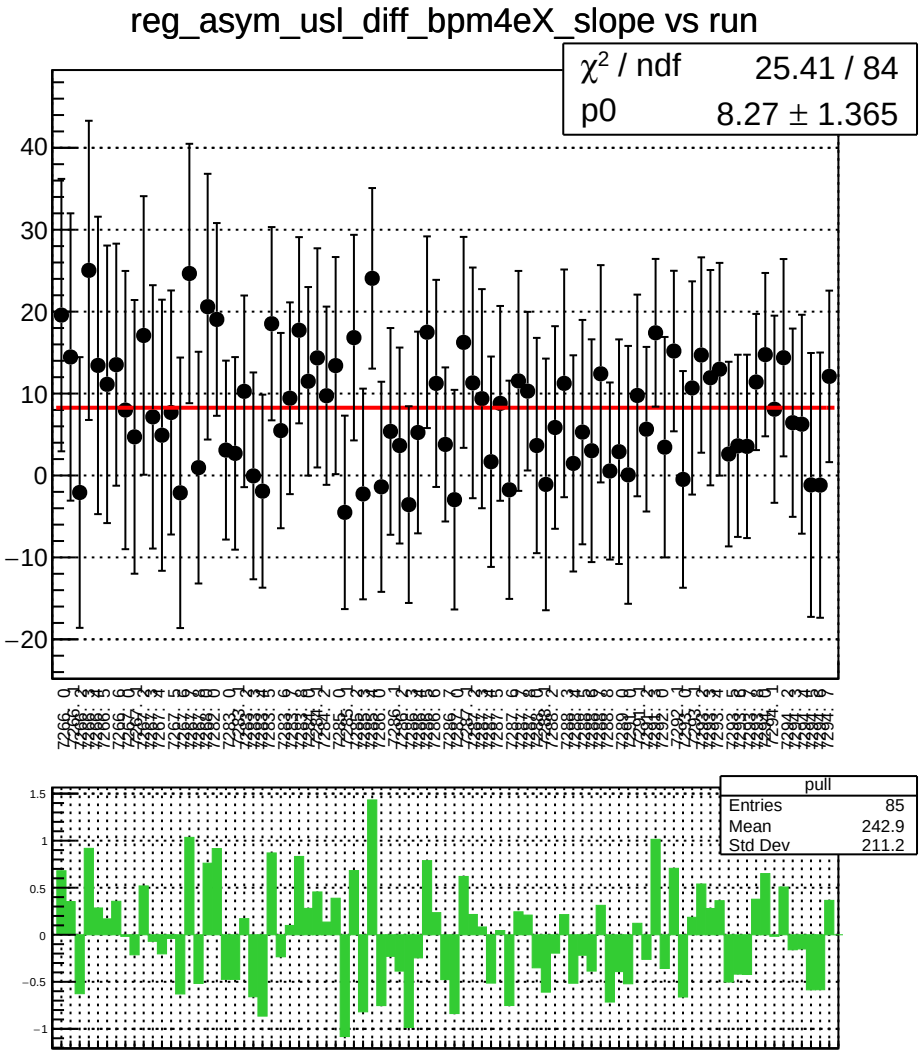

reg_asym_sam8_diff_bpm12X_slope vs run
χ2 / ndf 37.65 / 84
p0 0.08792 ± 0.00948
pull
Entries 85
Mean 136.5
Std Dev 112.8

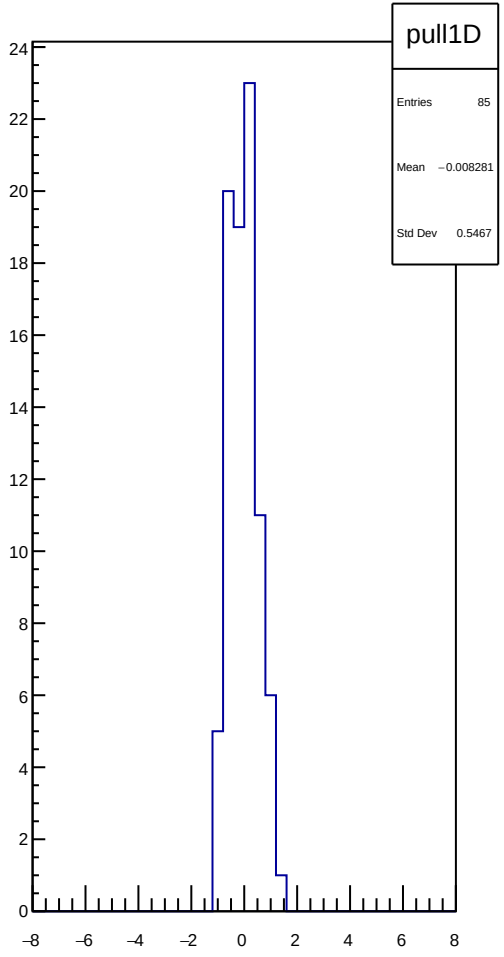

pull1D
Entries 85
Mean −0.01987
Std Dev 0.6653

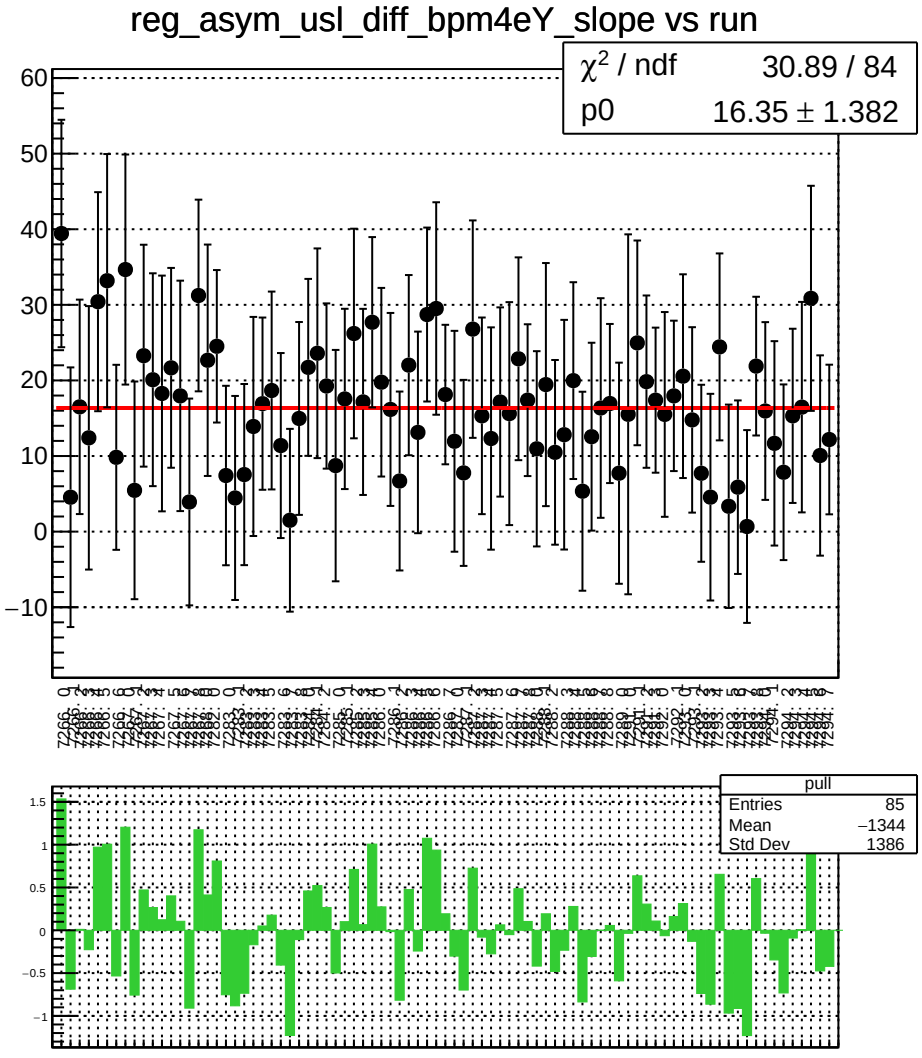

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 27.62 / 84
p0 −66.94 ± 1.367
pull
Entries 85
Mean −36.03
Std Dev 69.24
pull1D
Entries 85
Mean 0.02833
Std Dev 0.5693

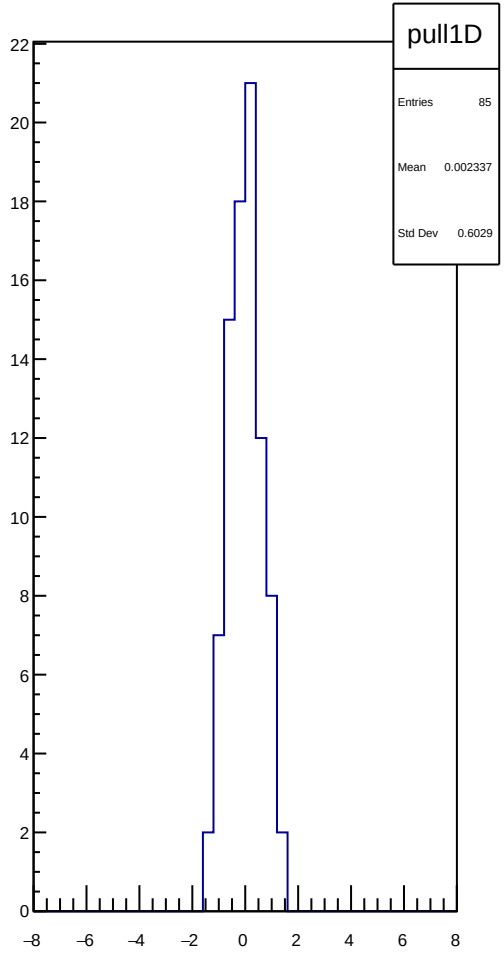

reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 30.43 / 84
p0 4.402 ± 1.318
pull
Entries 85
Mean 1230
Std Dev 1193

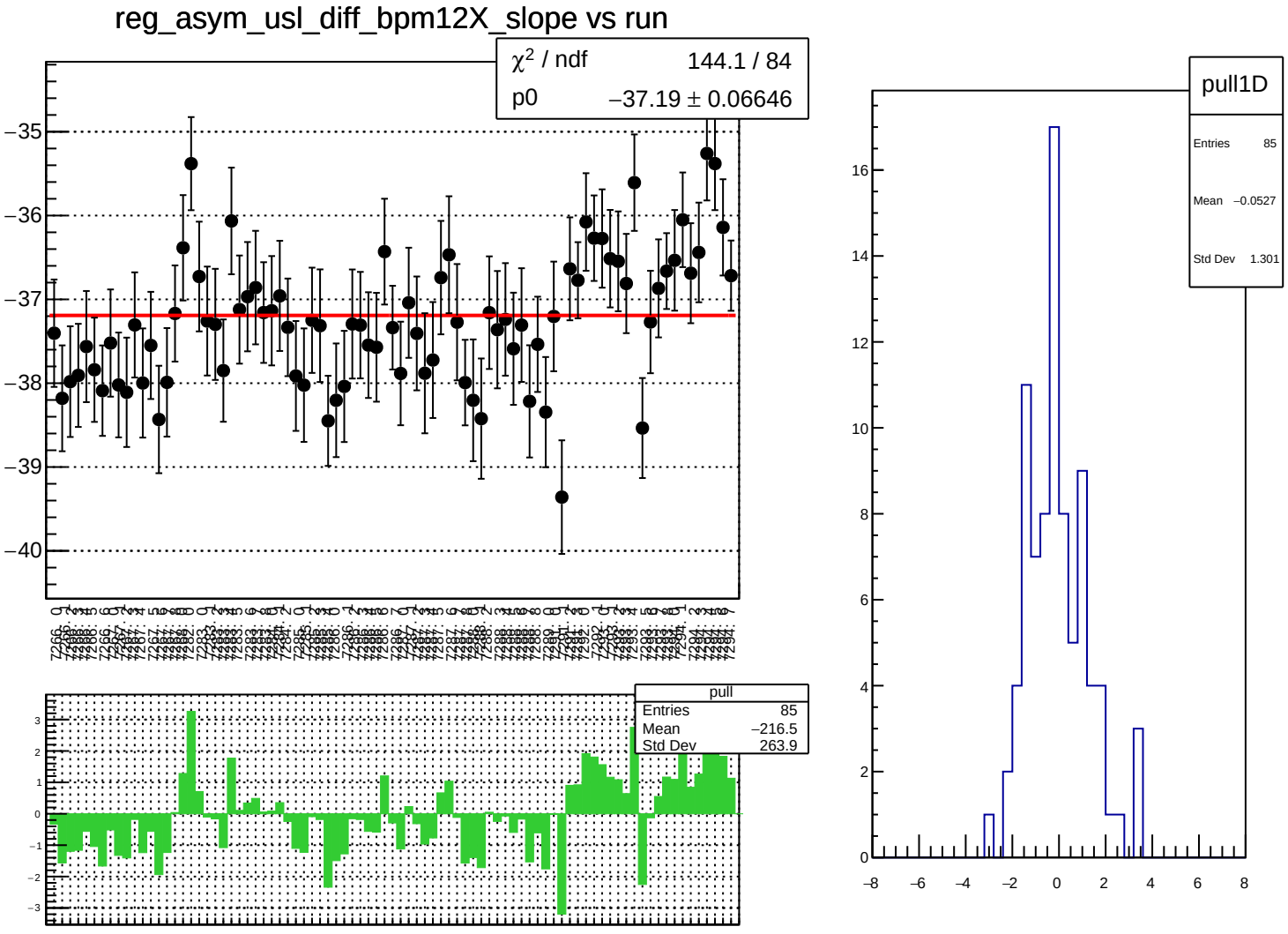

pull1D
Entries 85
Mean 0.00196
Std Dev 0.5983

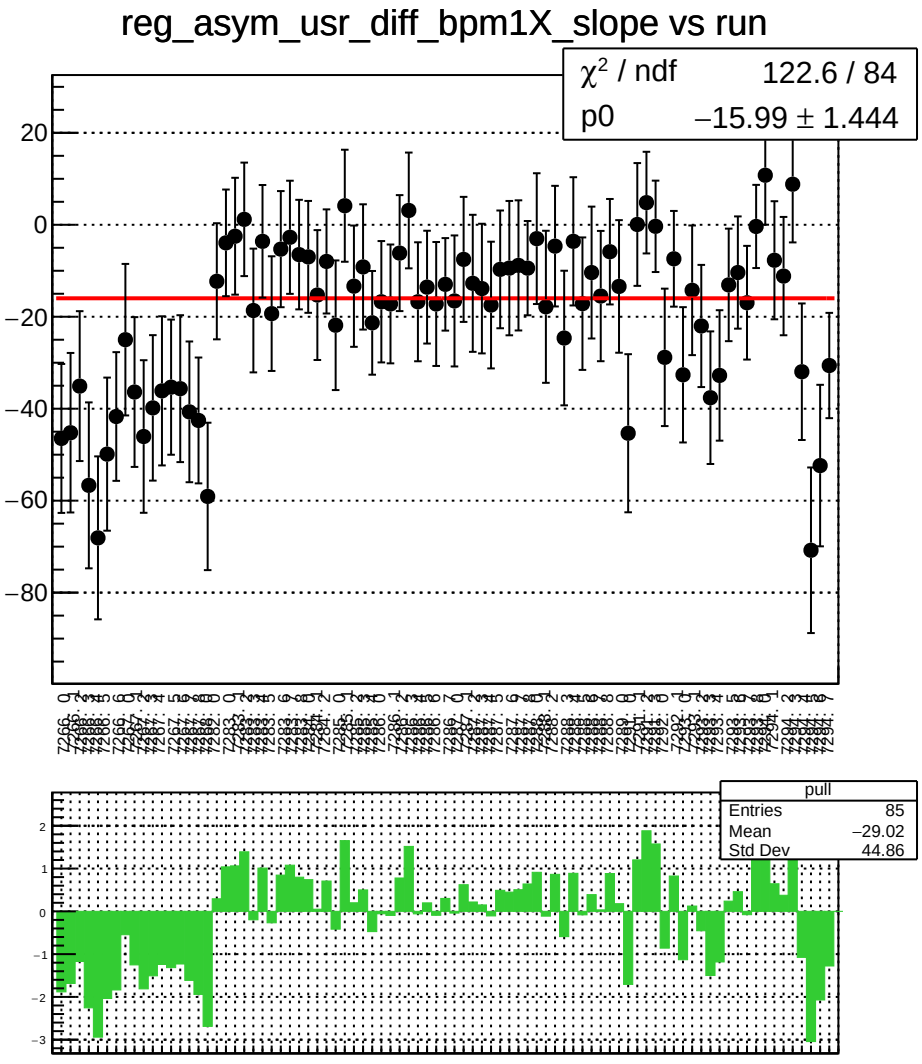

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 25.41 / 84
p0 8.27 ± 1.365
pull
Entries 85
Mean 242.9
Std Dev 211.2

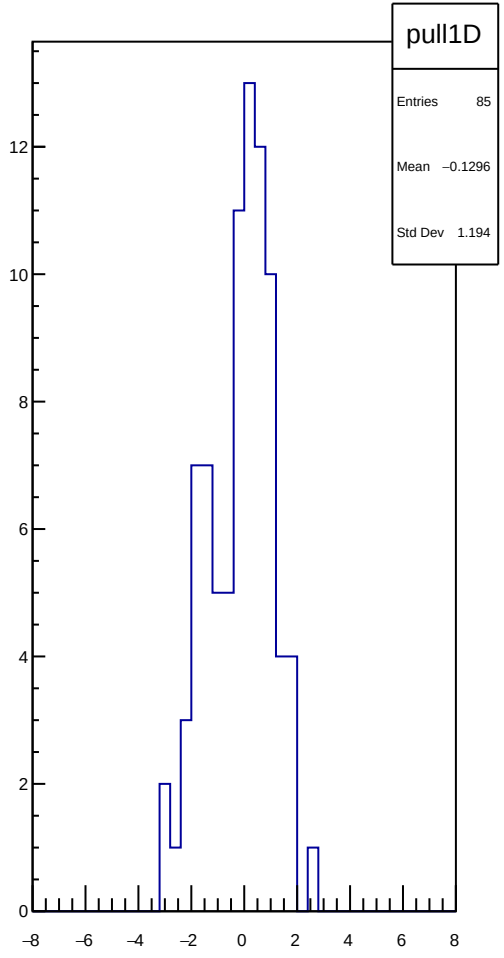

pull1D
Entries 85
Mean −0.008281
Std Dev 0.5467

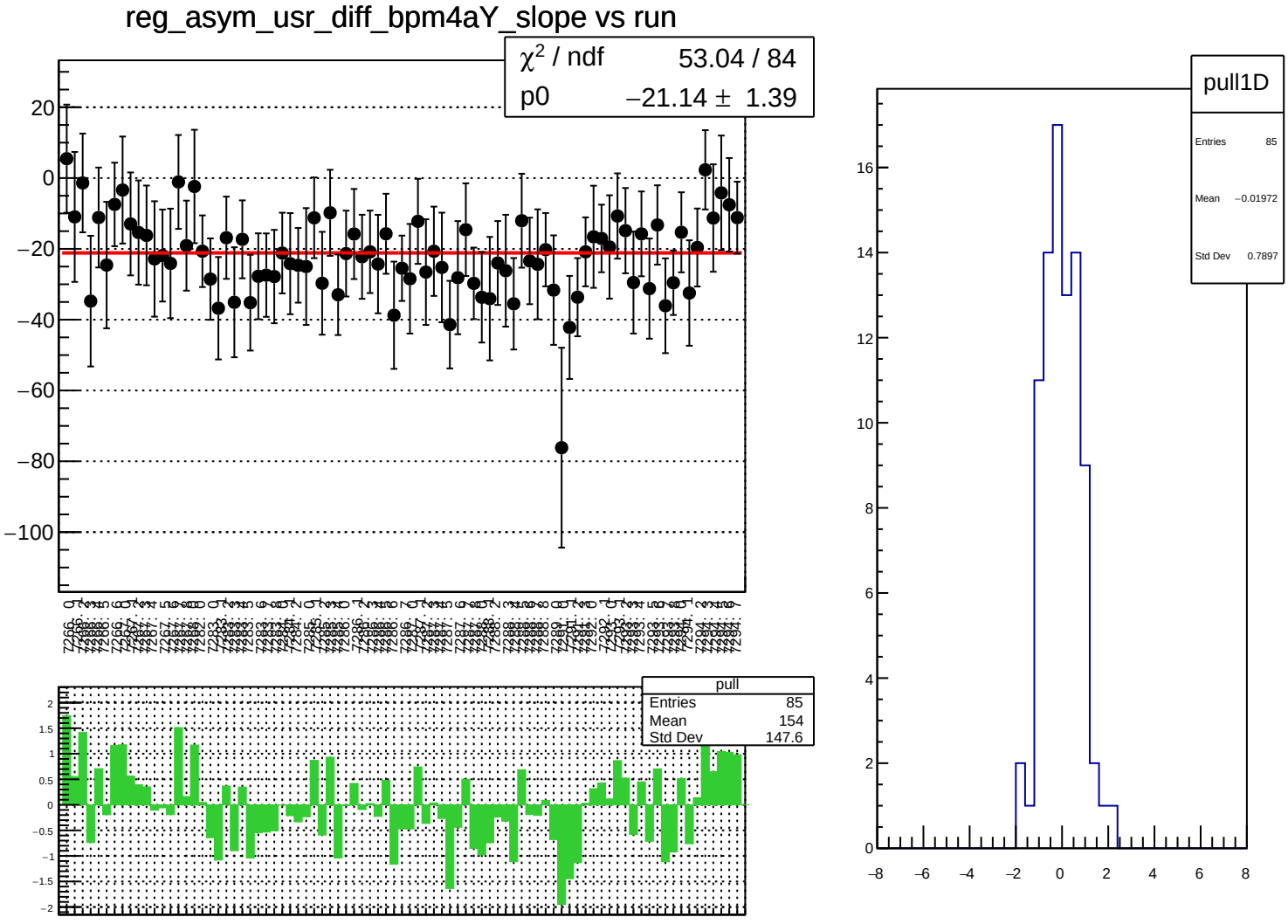

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 30.89 / 84
p0 16.35 ± 1.382
pull
Entries 85
Mean −1344
Std Dev 1386

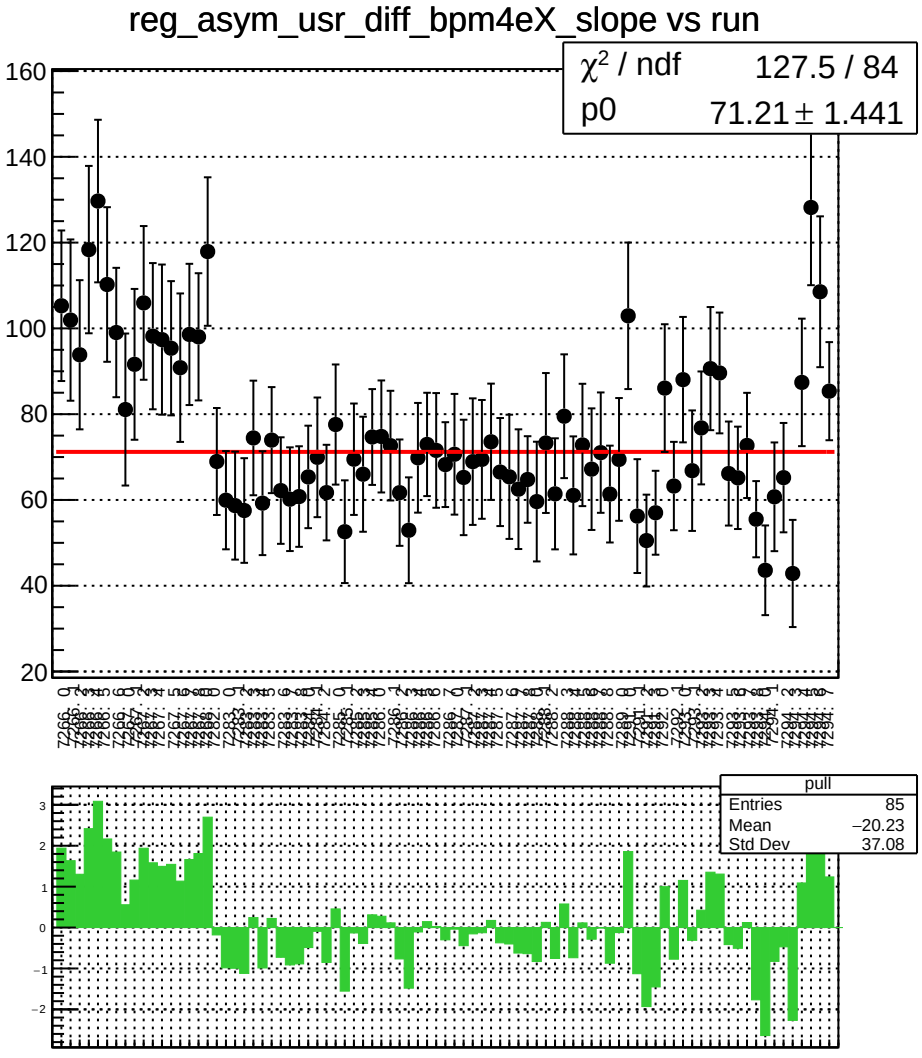

pull1D
Entries 85
Mean 0.002337
Std Dev 0.6029

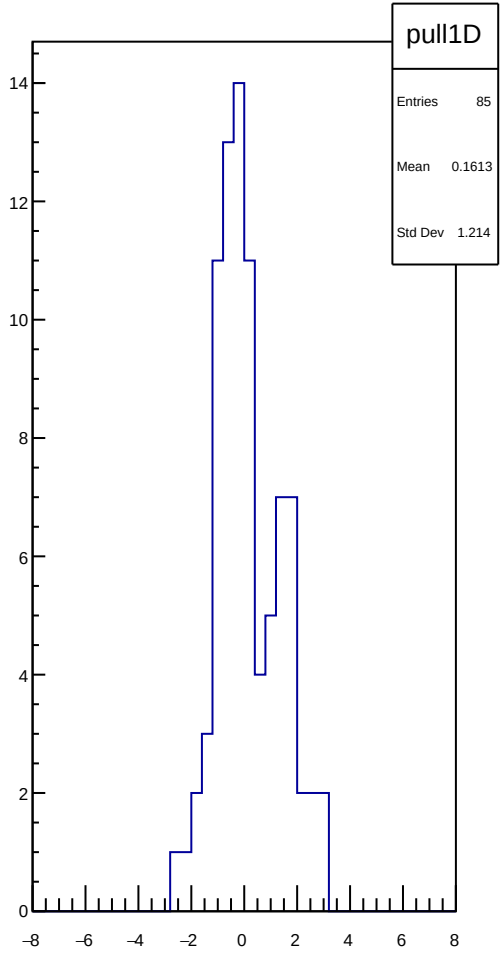

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 144.1 / 84
p0 −37.19 ± 0.06646
pull
Entries 85
Mean −216.5
Std Dev 263.9
pull1D
Entries 85
Mean −0.0527
Std Dev 1.301

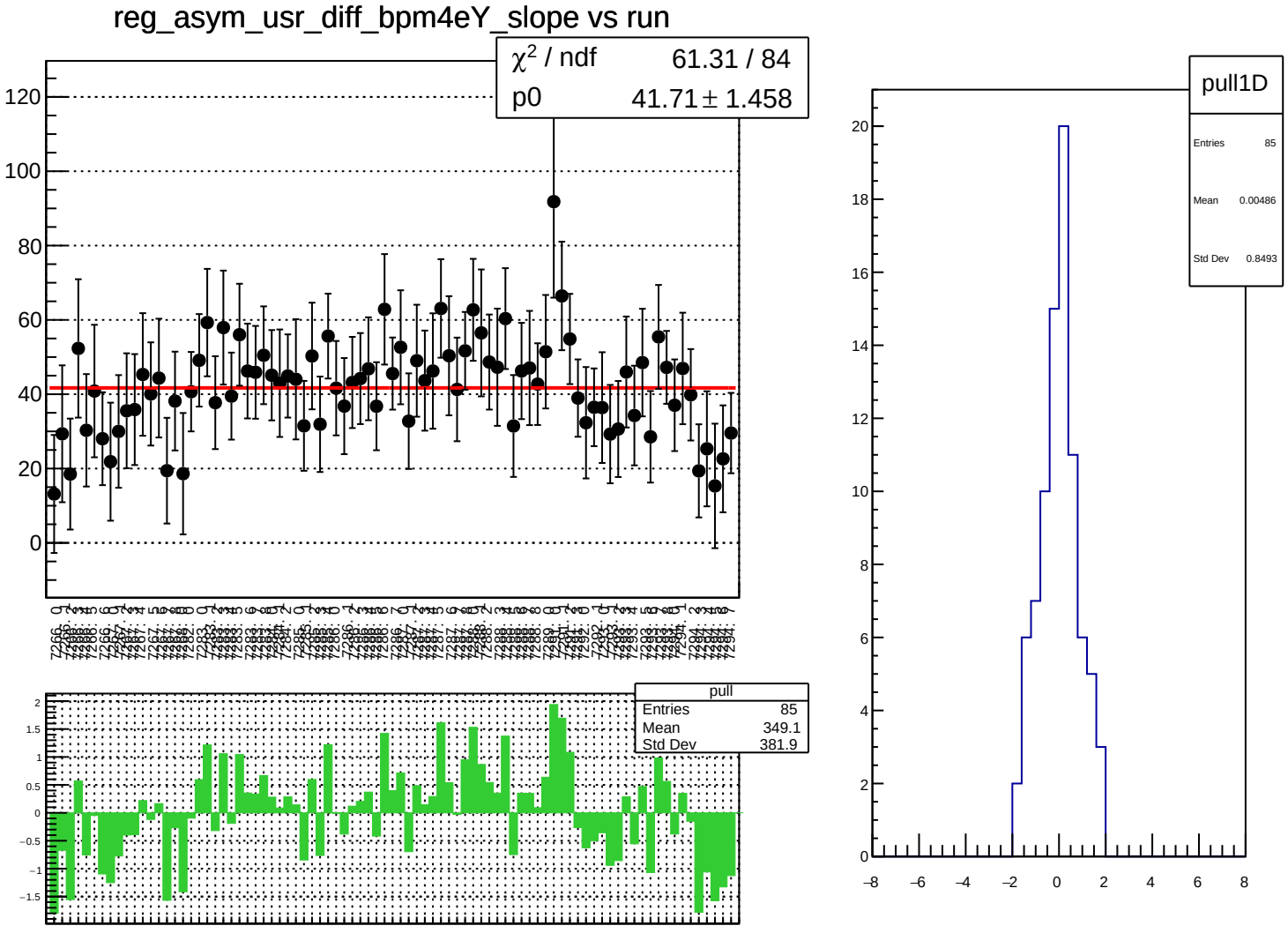

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 122.6 / 84
p0 −15.99 ± 1.444
pull
Entries 85
Mean −29.02
Std Dev 44.86

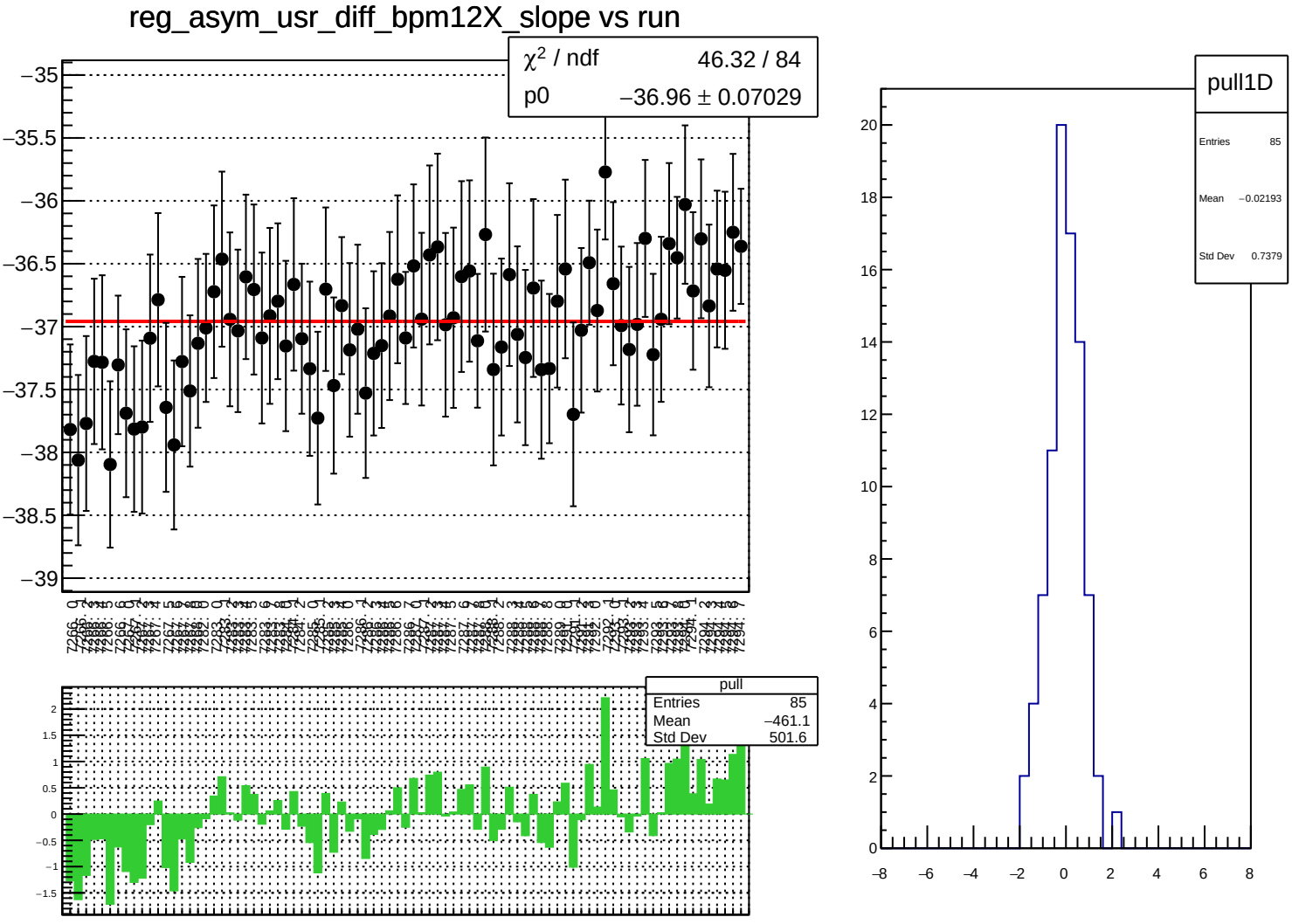

pull1D
Entries 85
Mean −0.1296
Std Dev 1.194


reg_asym_usr_diff_bpm4aY_slope vs run
χ^2 / ndf 53.04 / 84
p0 −21.14 ± 1.39
pull
Entries 85
Mean 154
Std Dev 147.6
pull1D
Entries 85
Mean −0.01972
Std Dev 0.7897

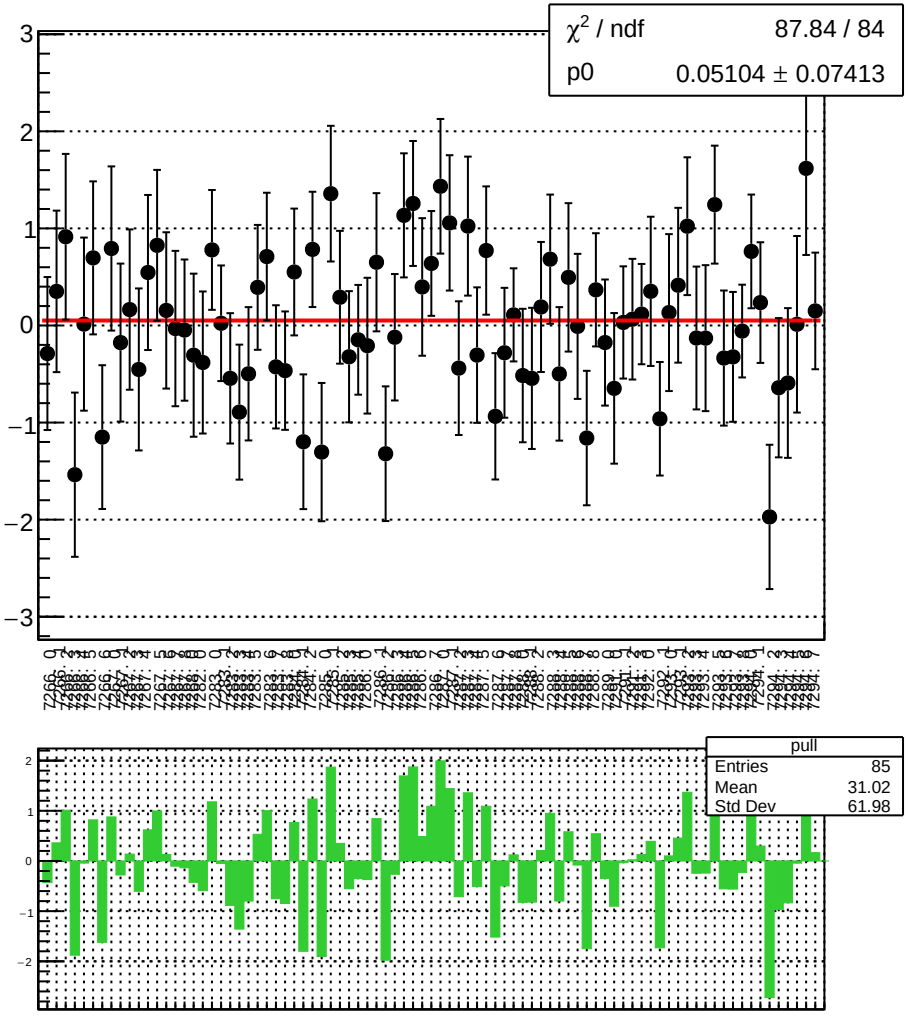

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 127.5 / 84
p0 71.21 ± 1.441
pull
Entries 85
Mean −20.23
Std Dev 37.08

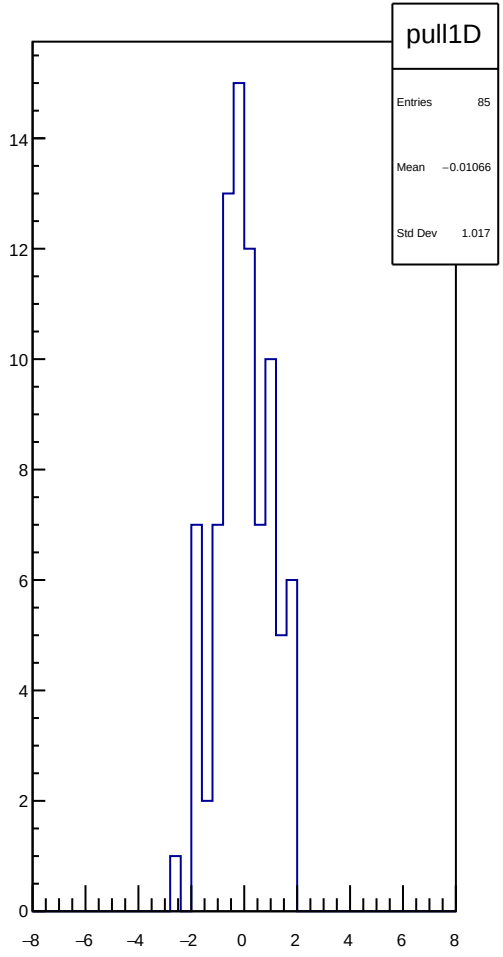

pull1D
Entries 85
Mean 0.1613
Std Dev 1.214


reg_asym_usr_diff_bpm4eY_slope vs run
χ^2 / ndf 61.31 / 84
p0 41.71 ± 1.458
pull
Entries 85
Mean 349.1
Std Dev 381.9
pull1D
Entries 85
Mean 0.00486
Std Dev 0.8493

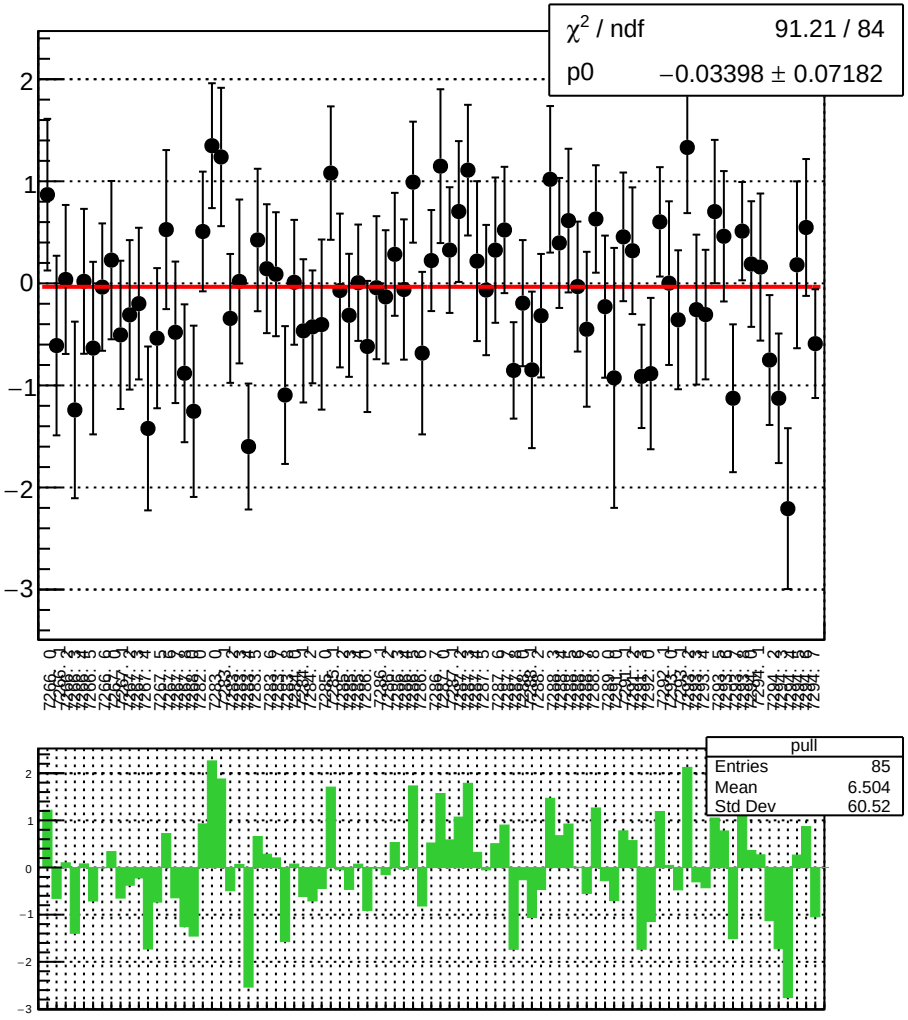

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 46.32 / 84
p0 −36.96 ± 0.07029
pull
Entries 85
Mean −461.1
Std Dev 501.6
pull1D
Entries 85
Mean −0.02193
Std Dev 0.7379

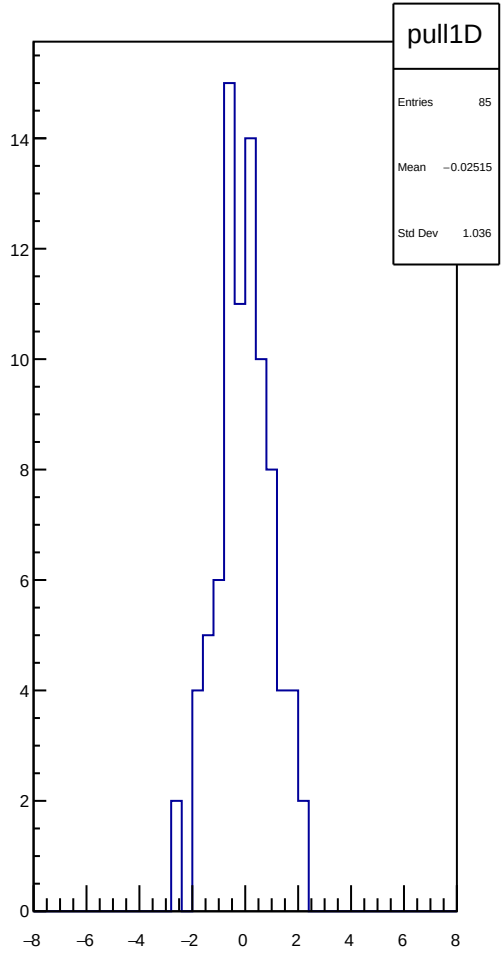
reg_asym_dsl_diff_bpm1X_slope vs run

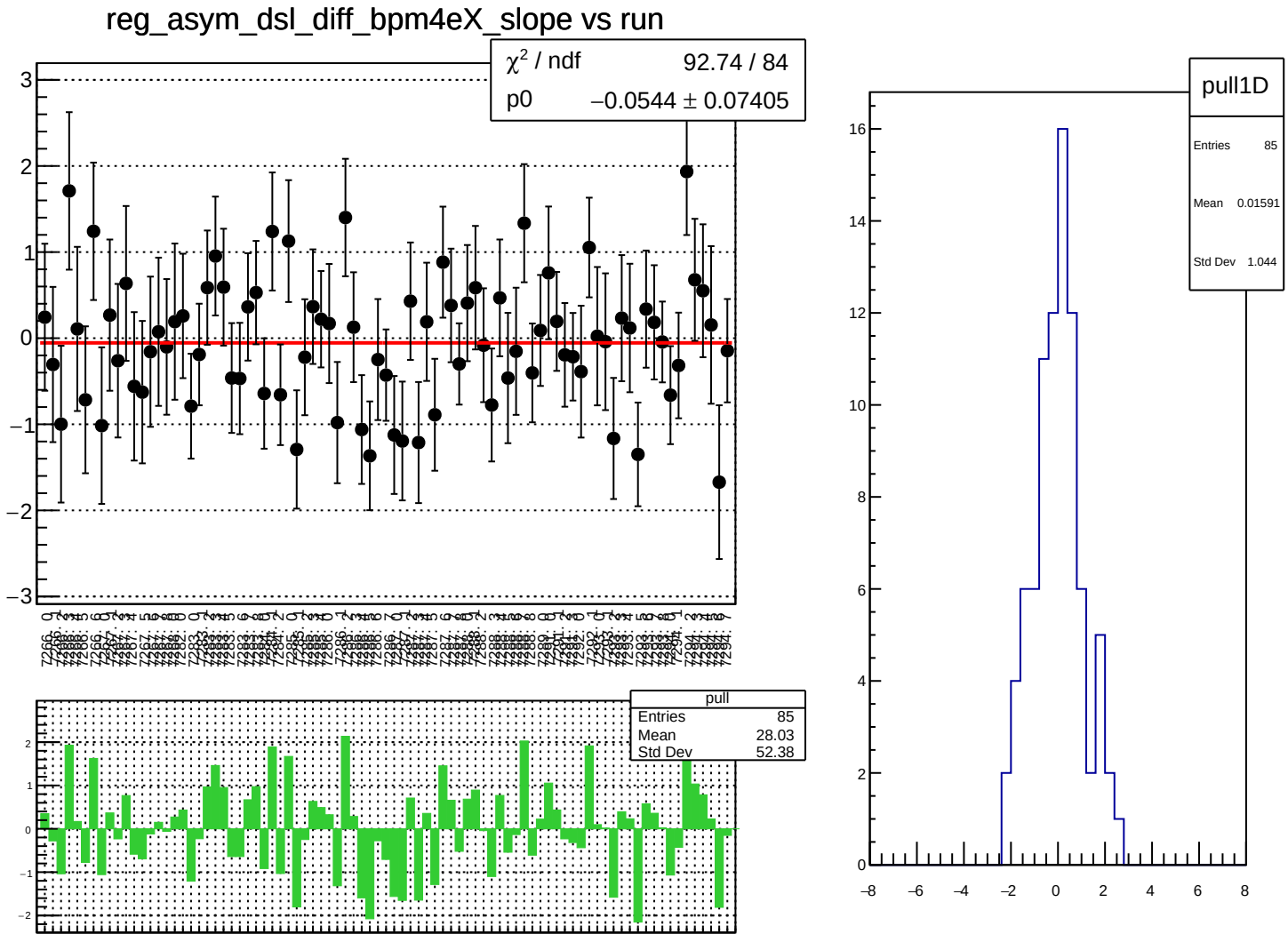


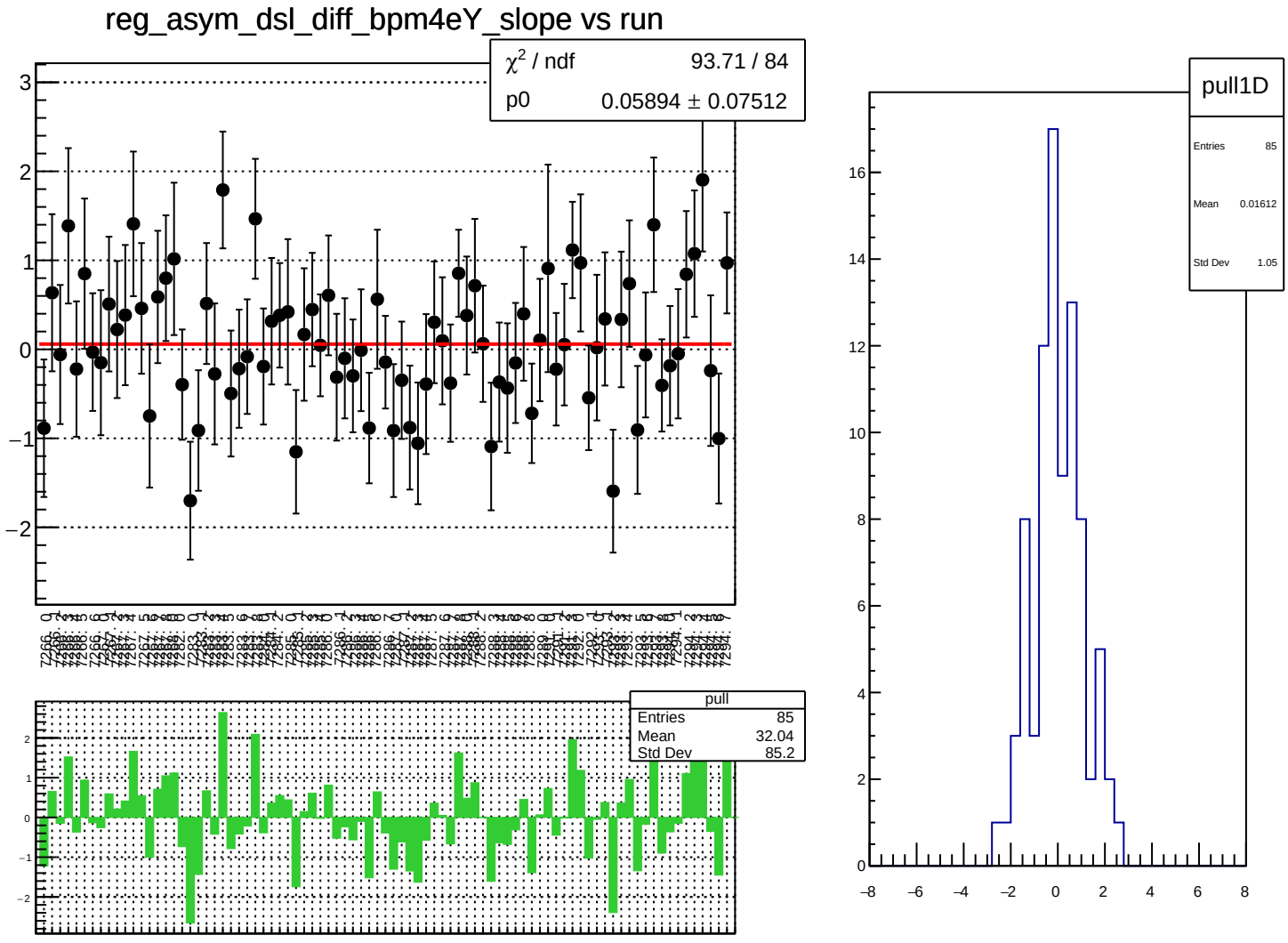


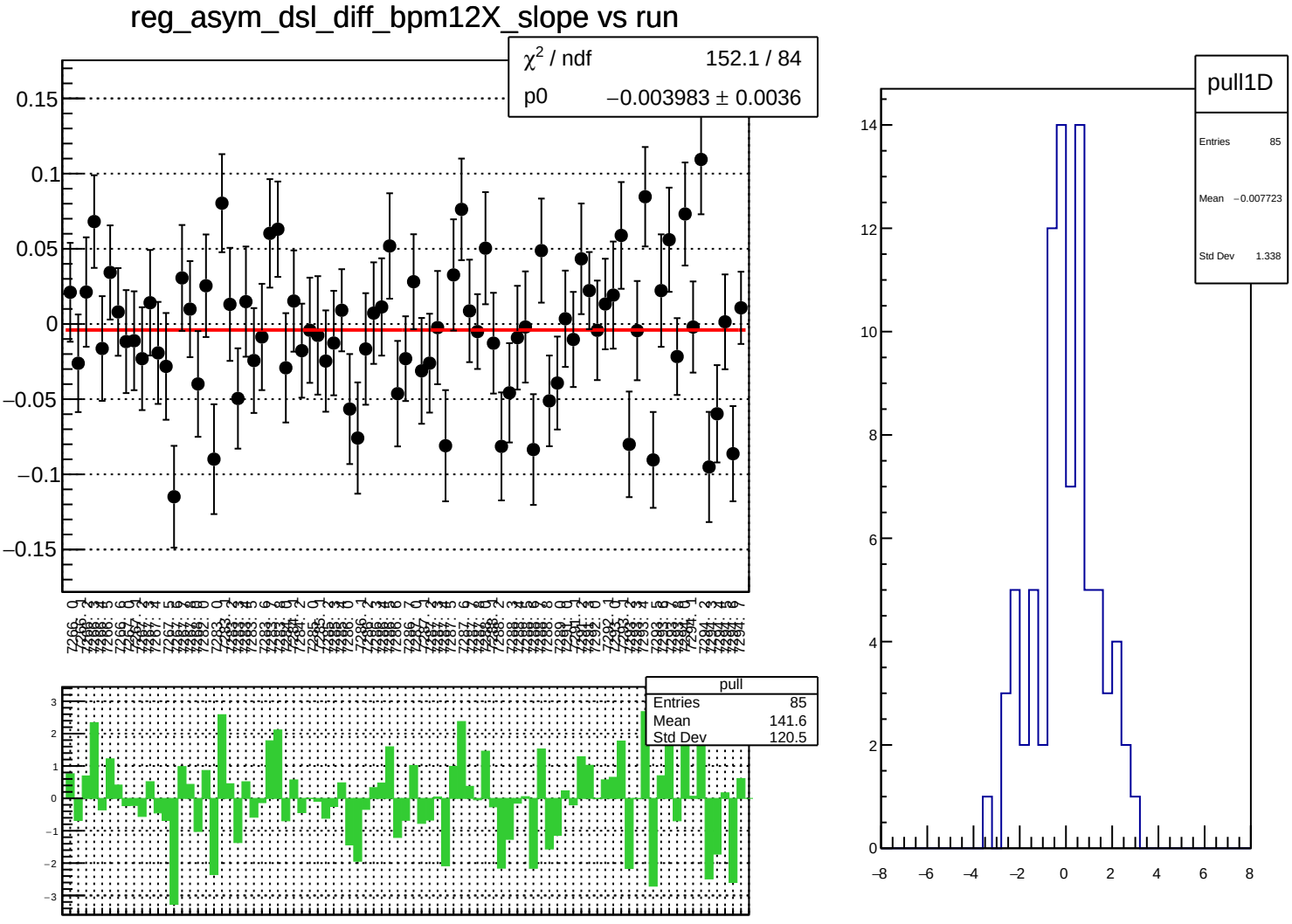
reg_asym_dsl_diff_bpm4aY_slope vs run



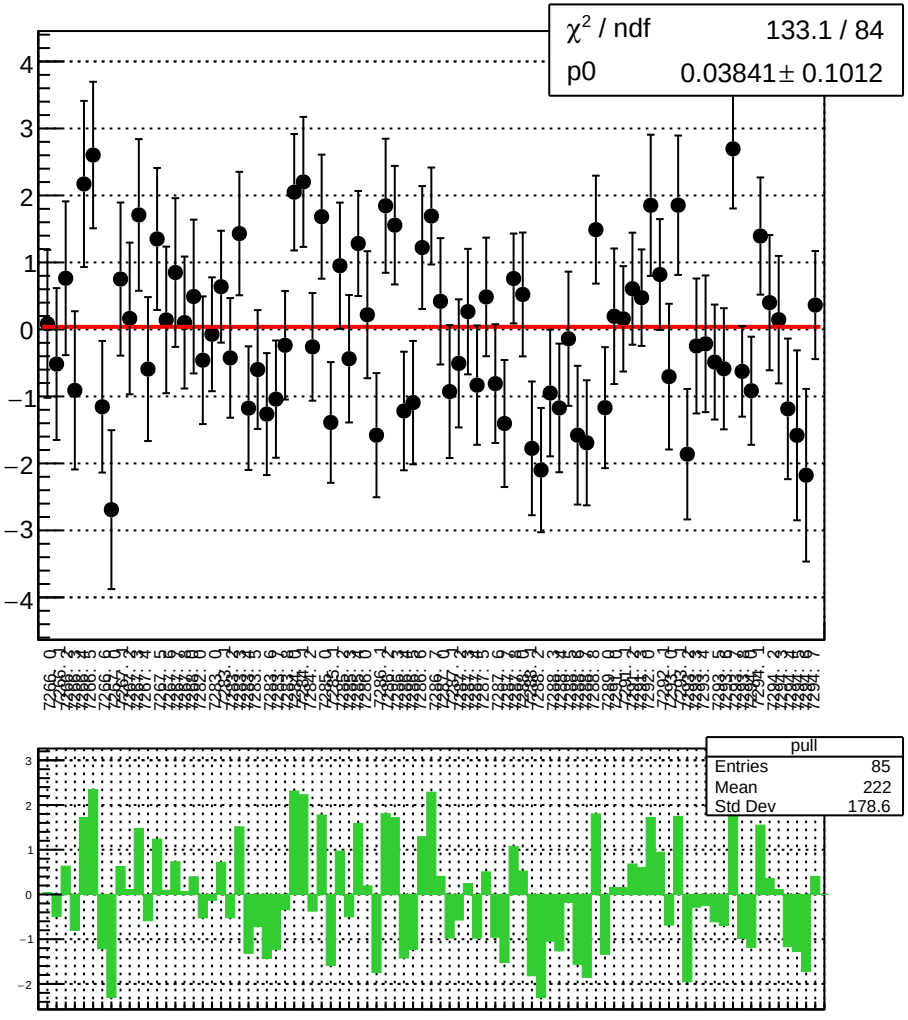


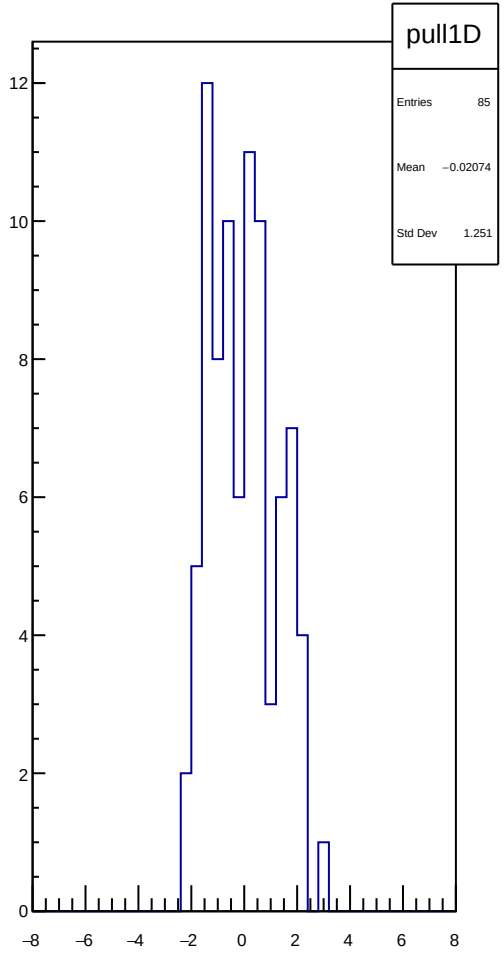

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 92.74 / 84
p0 −0.0544 ± 0.07405
pull
Entries 85
Mean 28.03
Std Dev 52.38
pull1D
Entries 85
Mean 0.01591
Std Dev 1.044

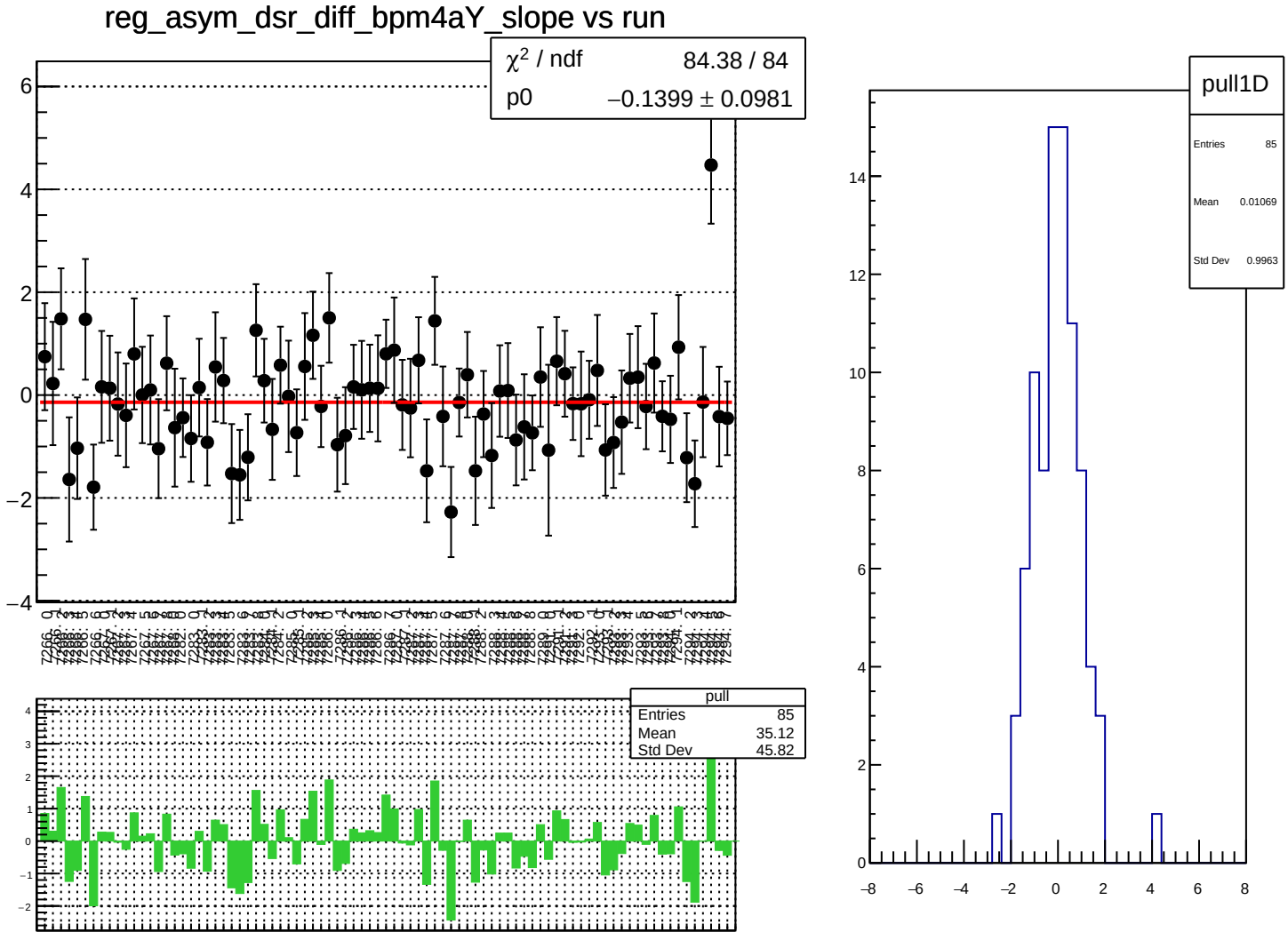

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 93.71 / 84
p0 0.05894 ± 0.07512
pull
Entries 85
Mean 32.04
Std Dev 85.2
pull1D
Entries 85
Mean 0.01612
Std Dev 1.05

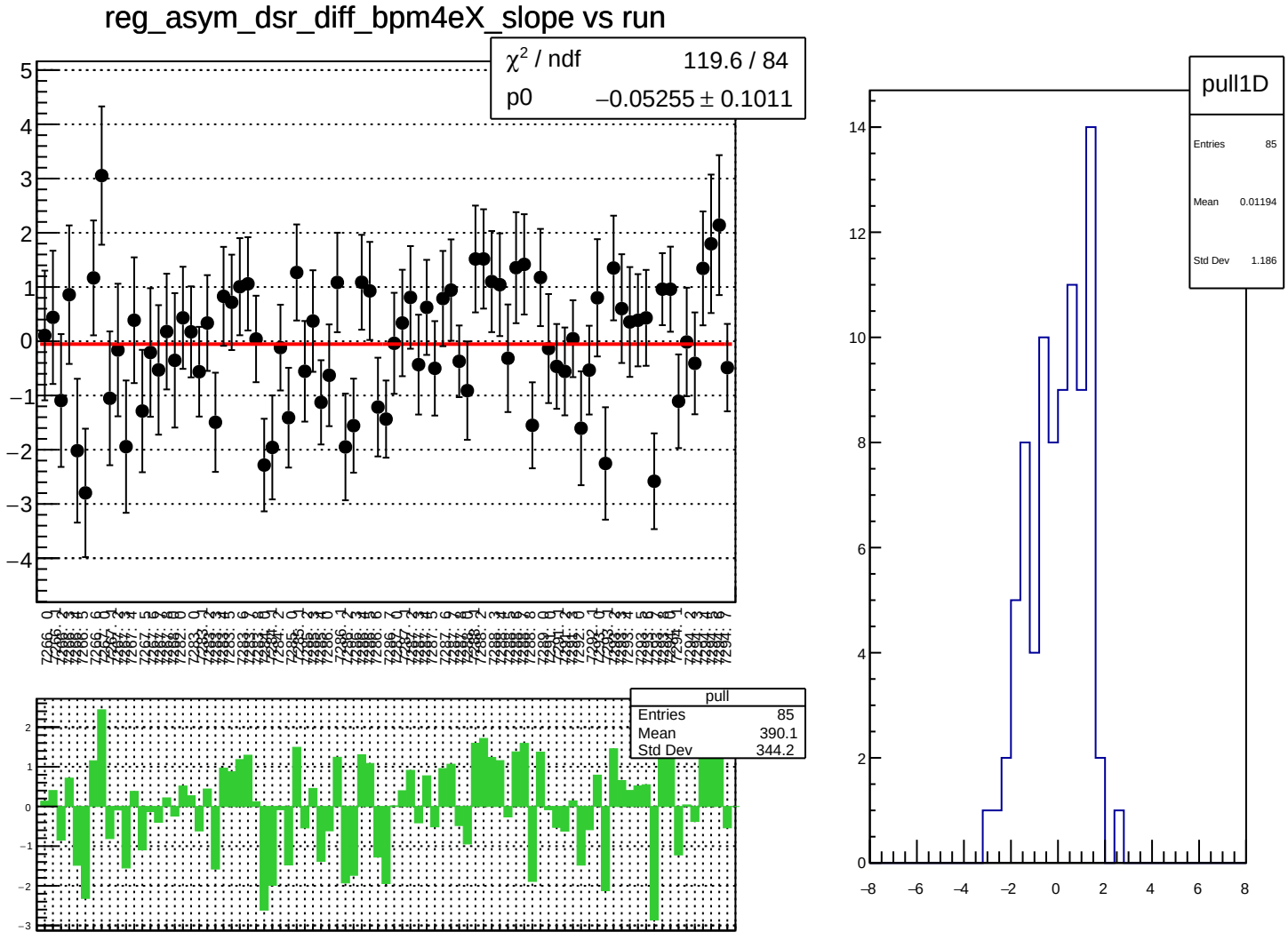

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 152.1 / 84
p0 −0.003983 ± 0.0036
pull
Entries 85
Mean 141.6
Std Dev 120.5
pull1D
Entries 85
Mean −0.007723
Std Dev 1.338

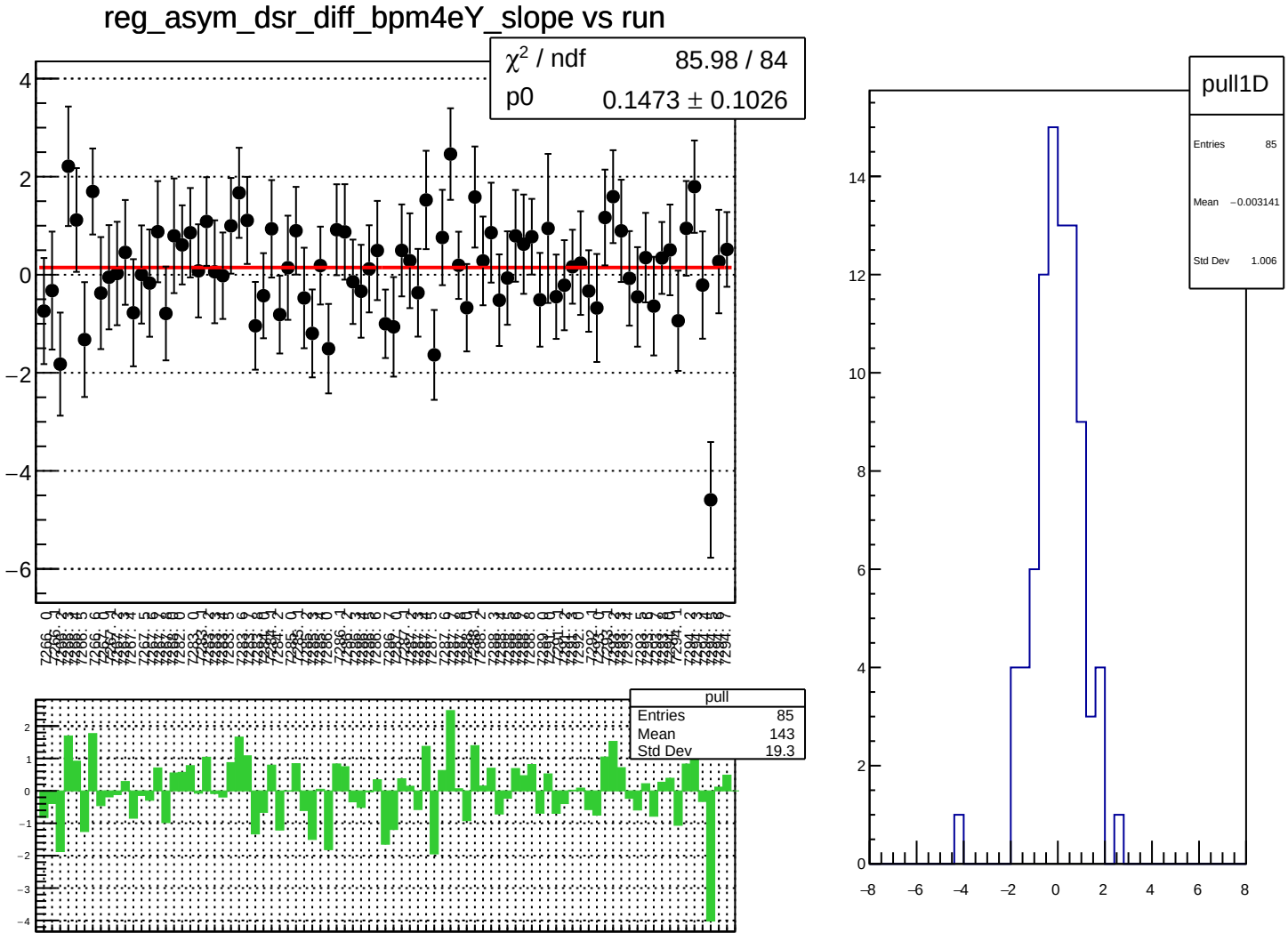
reg_asym_dsr_diff_bpm1X_slope vs run

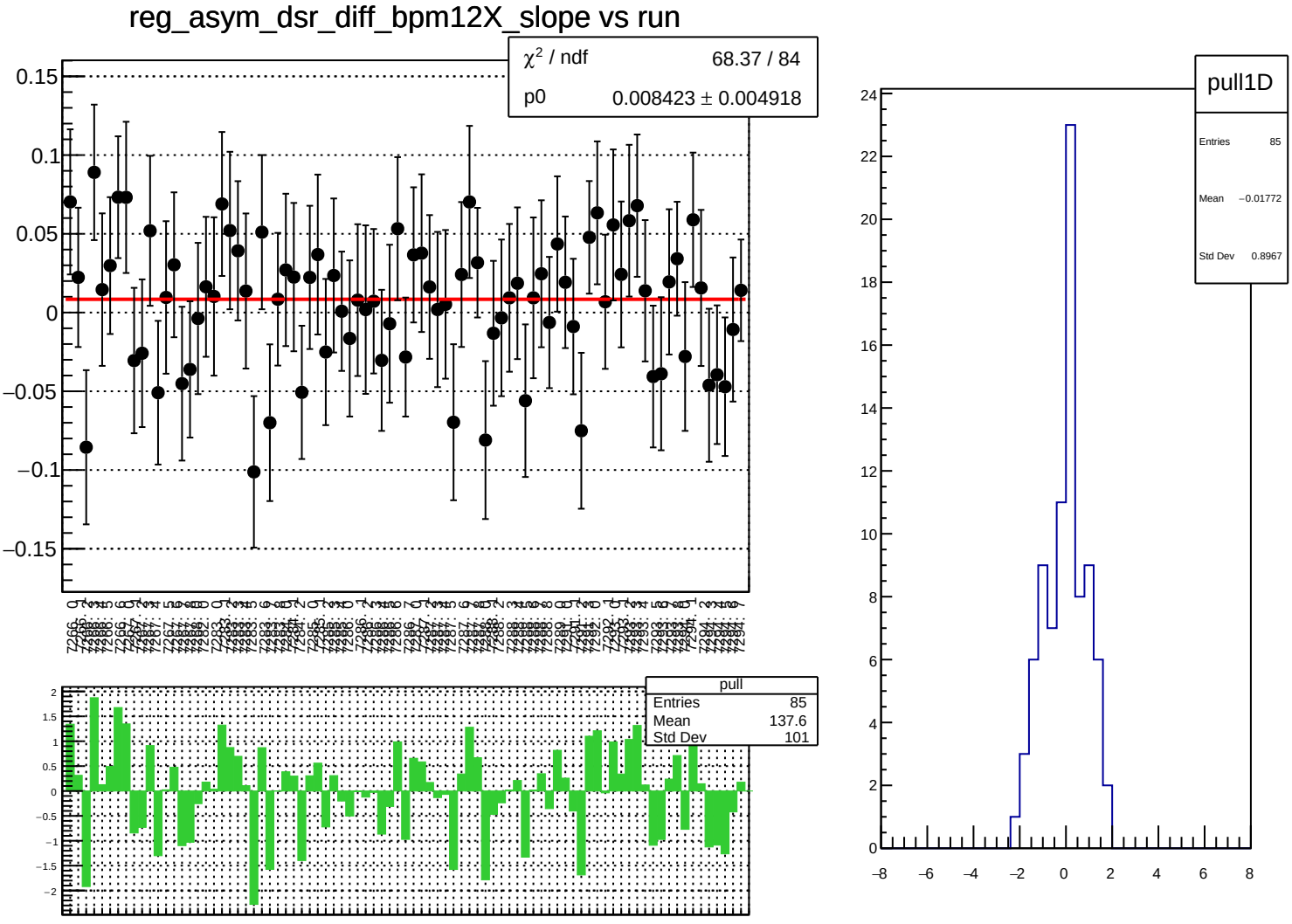


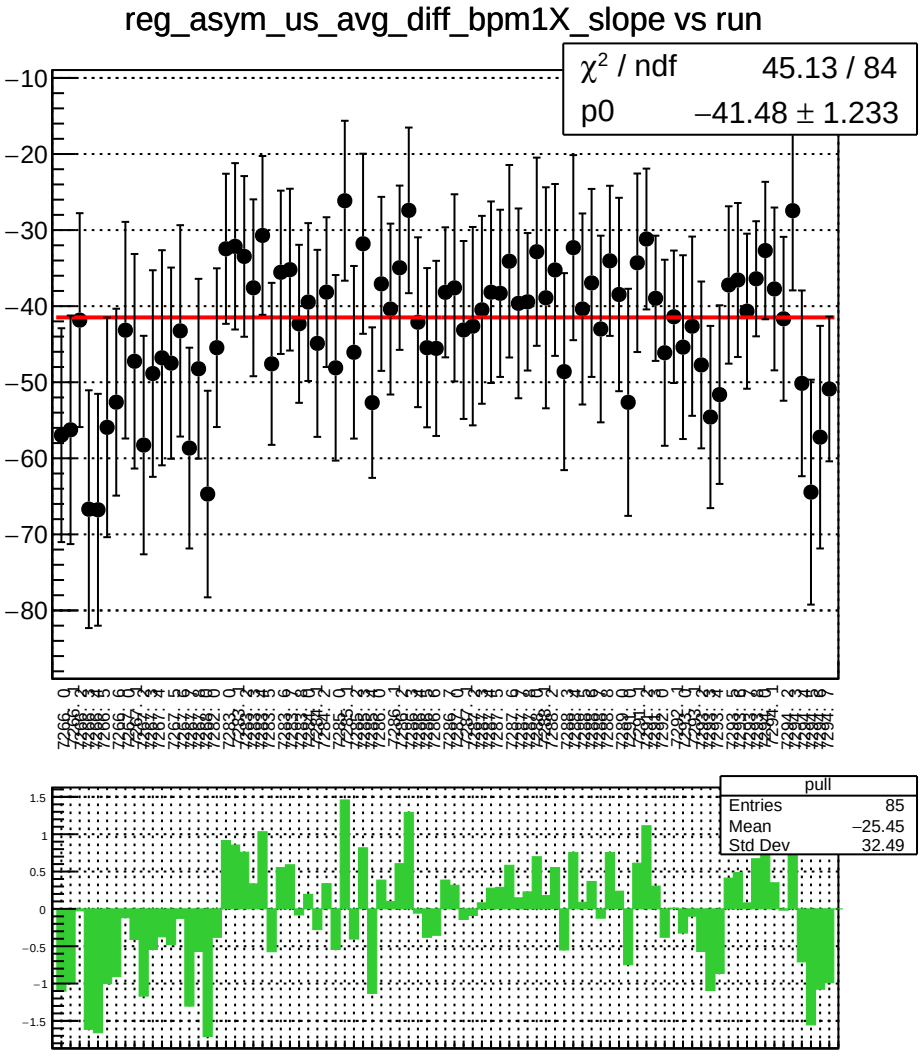


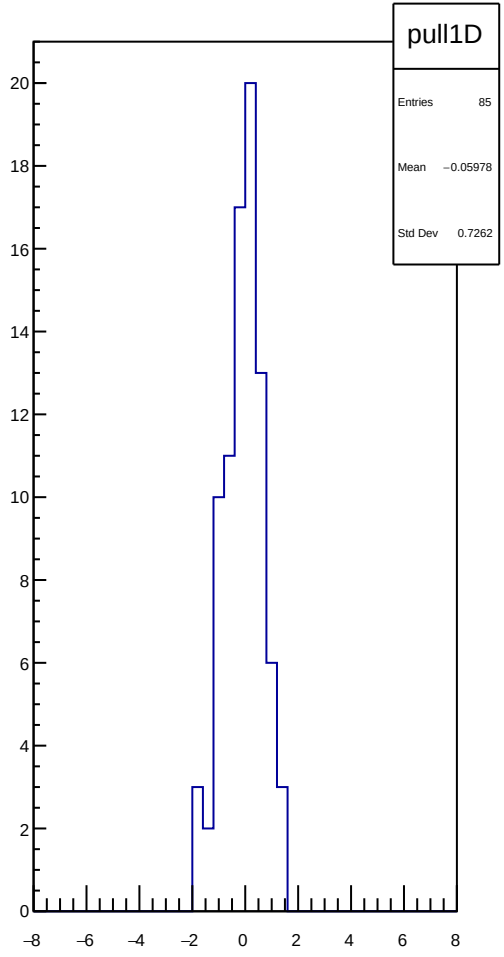

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 84.38 / 84
p0 −0.1399 ± 0.0981
pull
Entries 85
Mean 35.12
Std Dev 45.82
pull1D
Entries 85
Mean 0.01069
Std Dev 0.9963

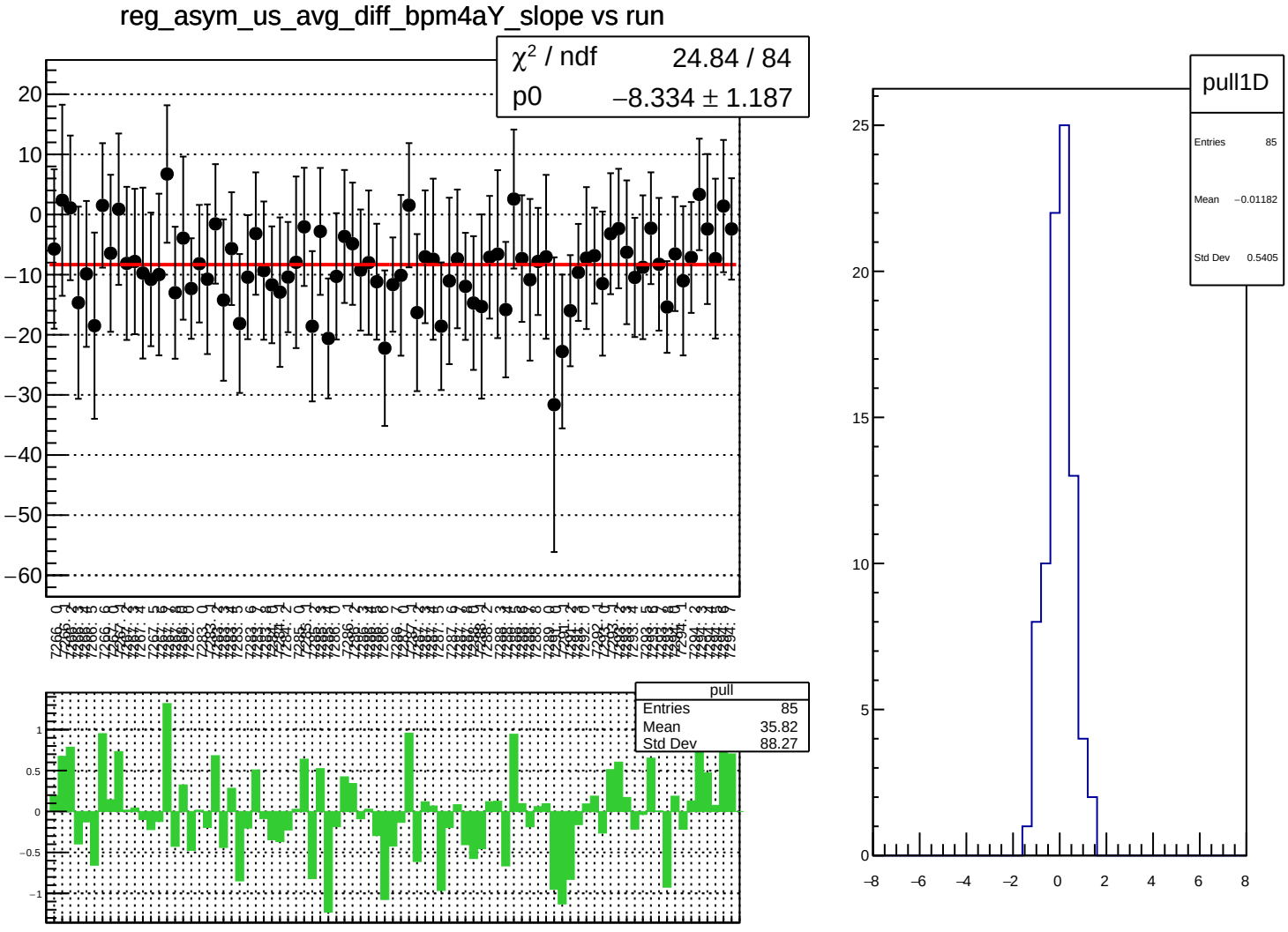

reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 119.6 / 84
p0 −0.05255 ± 0.1011
pull
Entries 85
Mean 390.1
Std Dev 344.2
pull1D
Entries 85
Mean 0.01194
Std Dev 1.186

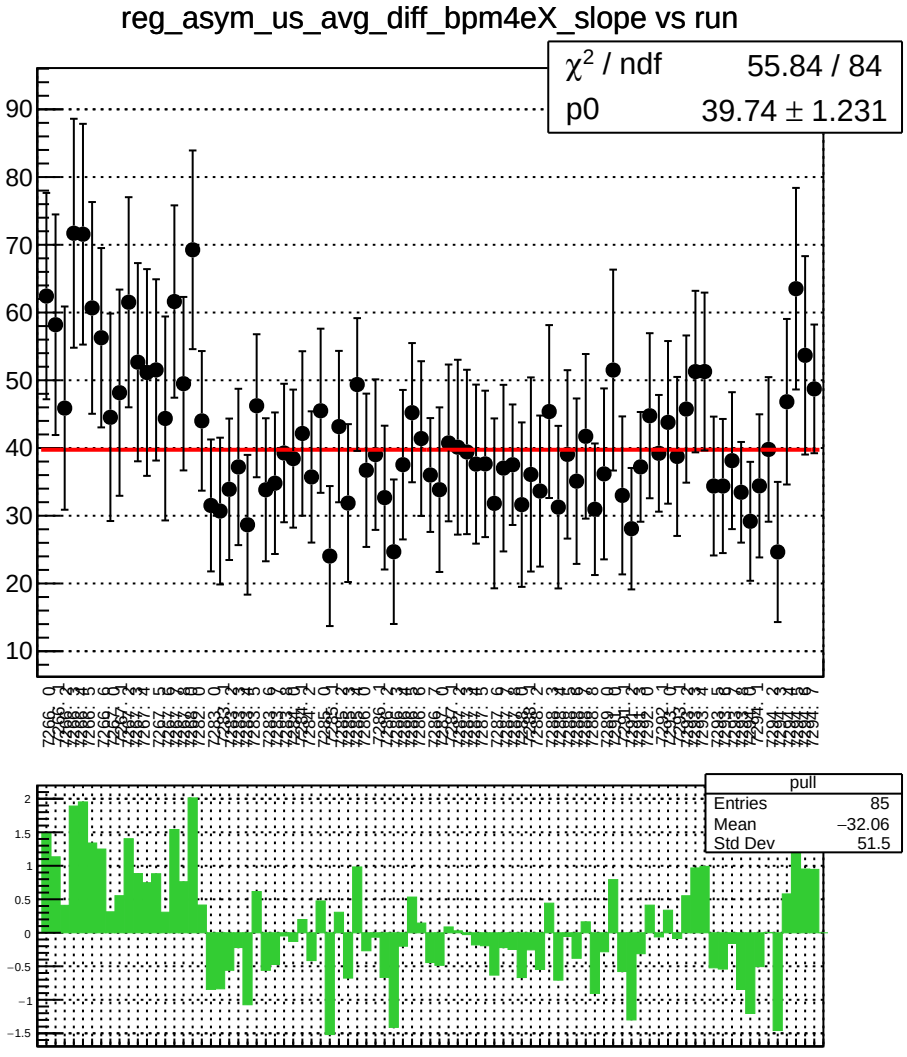

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 85.98 / 84
p0 0.1473 ± 0.1026
pull
Entries 85
Mean 143
Std Dev 19.3
pull1D
Entries 85
Mean −0.003141
Std Dev 1.006

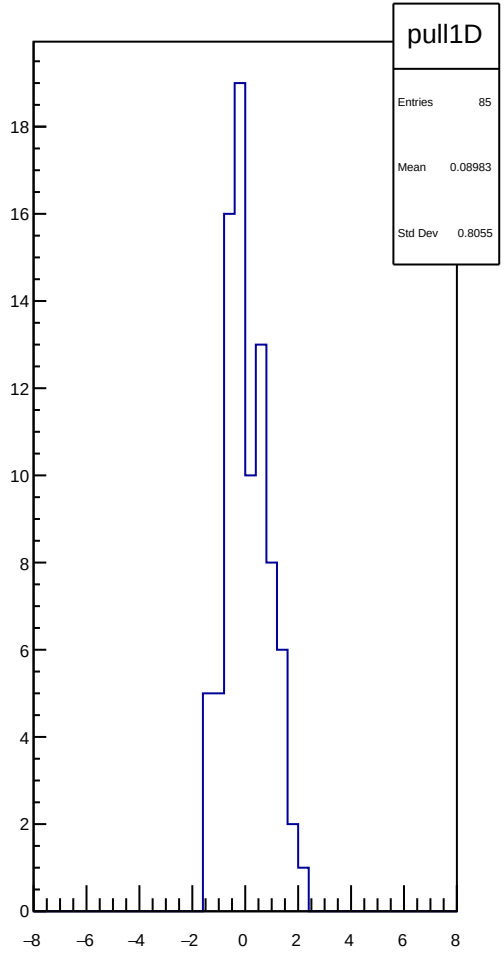

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 68.37 / 84
p0 0.008423 ± 0.004918
pull
Entries 85
Mean 137.6
Std Dev 101
pull1D
Entries 85
Mean −0.01772
Std Dev 0.8967

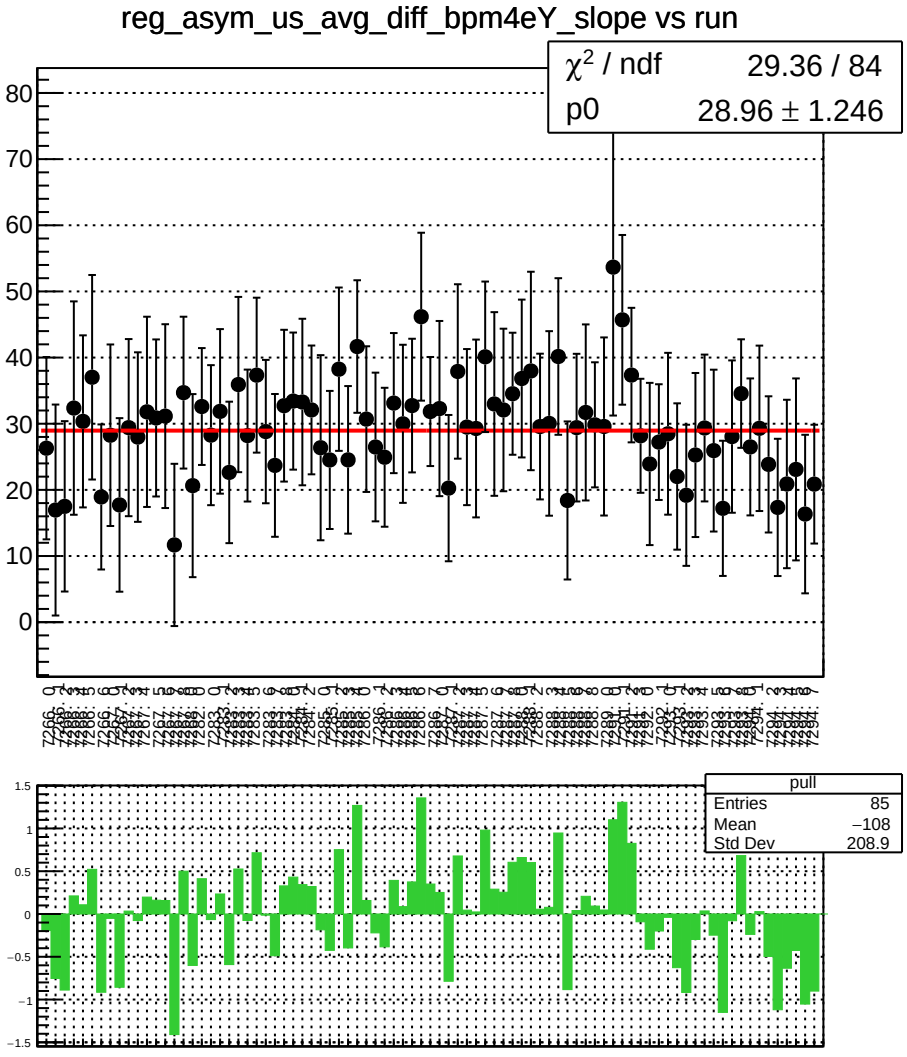

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 45.13 / 84
p0 −41.48 ± 1.233
pull
Entries 85
Mean −25.45
Std Dev 32.49

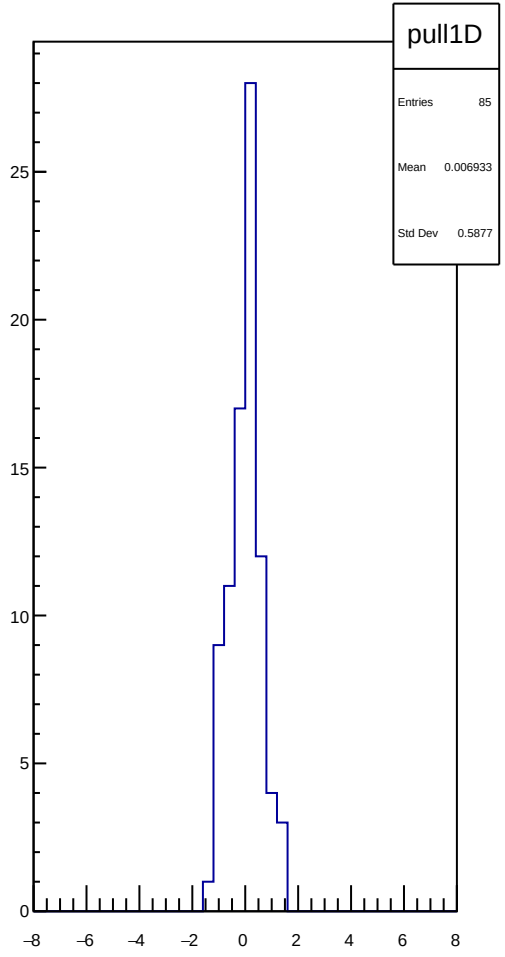

pull1D
Entries 85
Mean −0.05978
Std Dev 0.7262

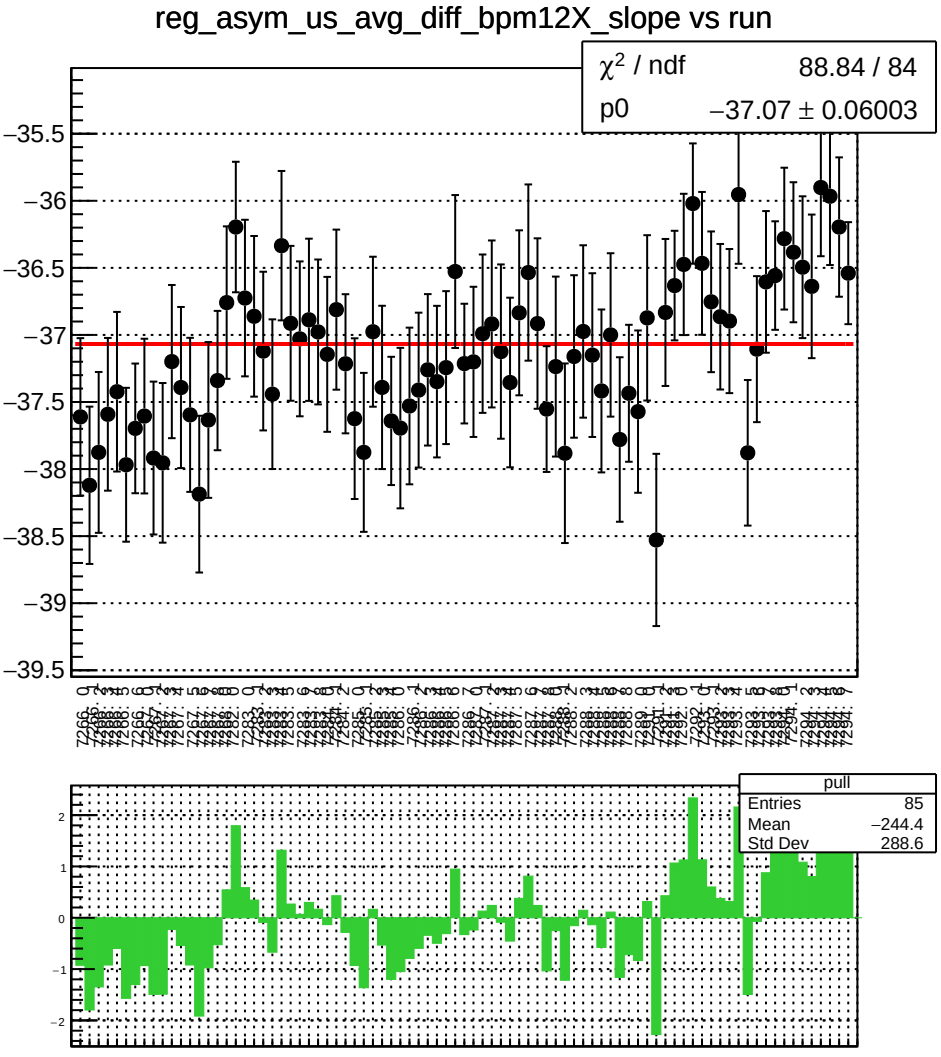

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.84 / 84
p0 −8.334 ± 1.187
pull
Entries 85
Mean 35.82
Std Dev 88.27
pull1D
Entries 85
Mean −0.01182
Std Dev 0.5405

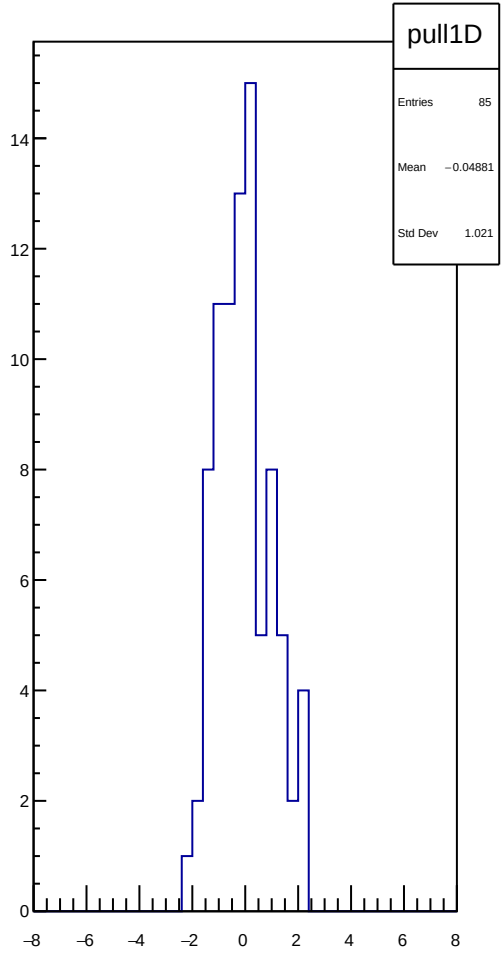

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 55.84 / 84
p0 39.74 ± 1.231
pull
Entries 85
Mean −32.06
Std Dev 51.5

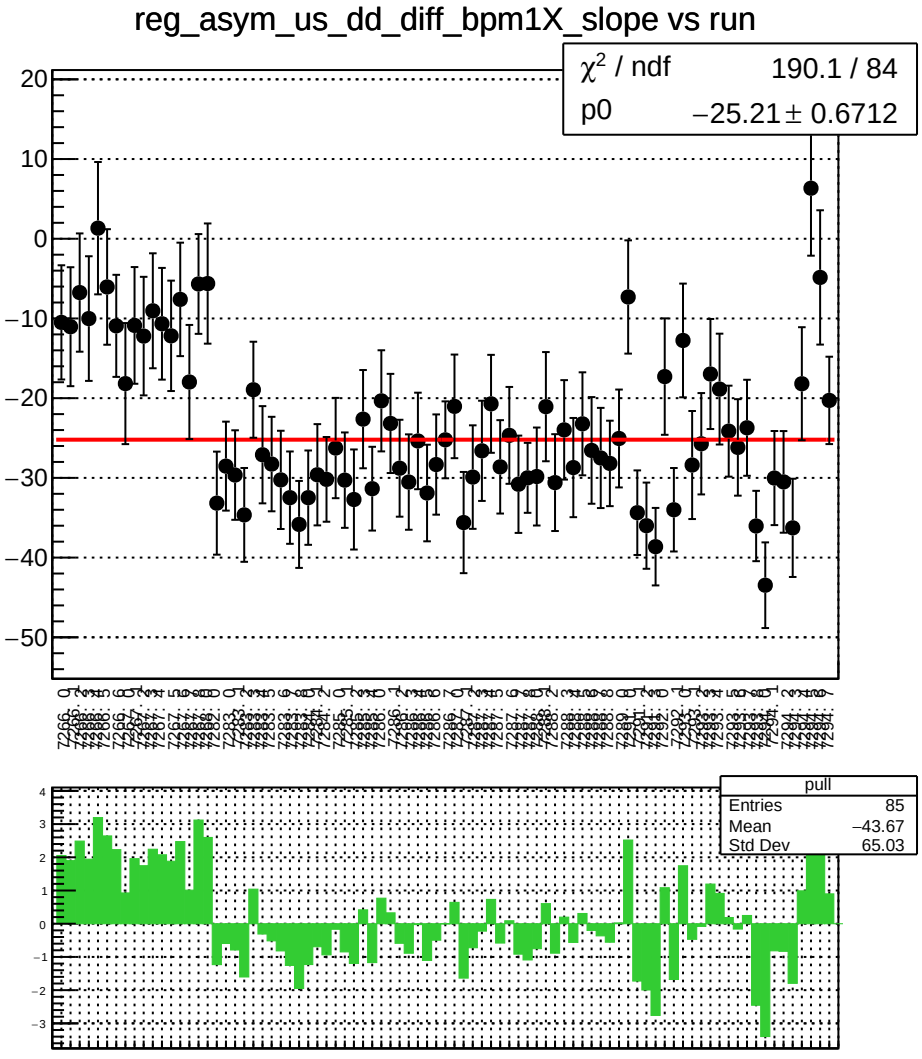

pull1D
Entries 85
Mean 0.08983
Std Dev 0.8055

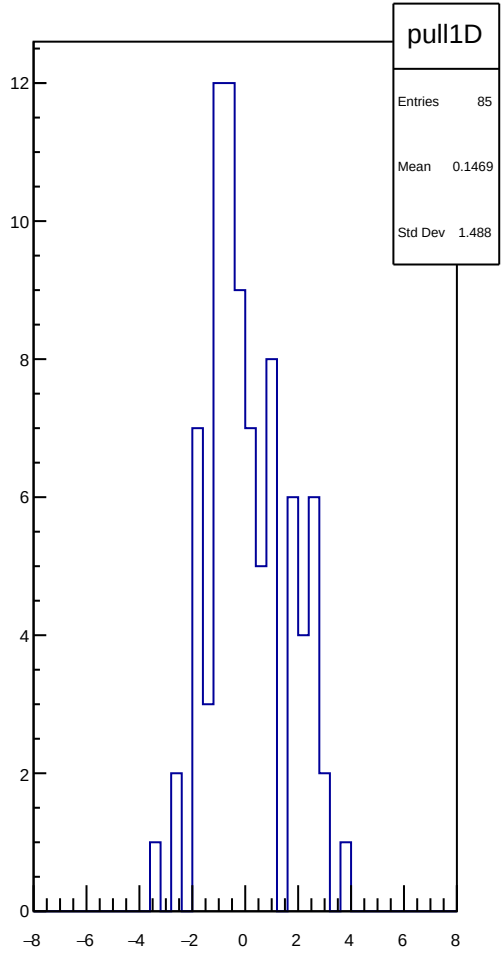

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 29.36 / 84
p0 28.96 ± 1.246
pull
Entries 85
Mean −108
Std Dev 208.9

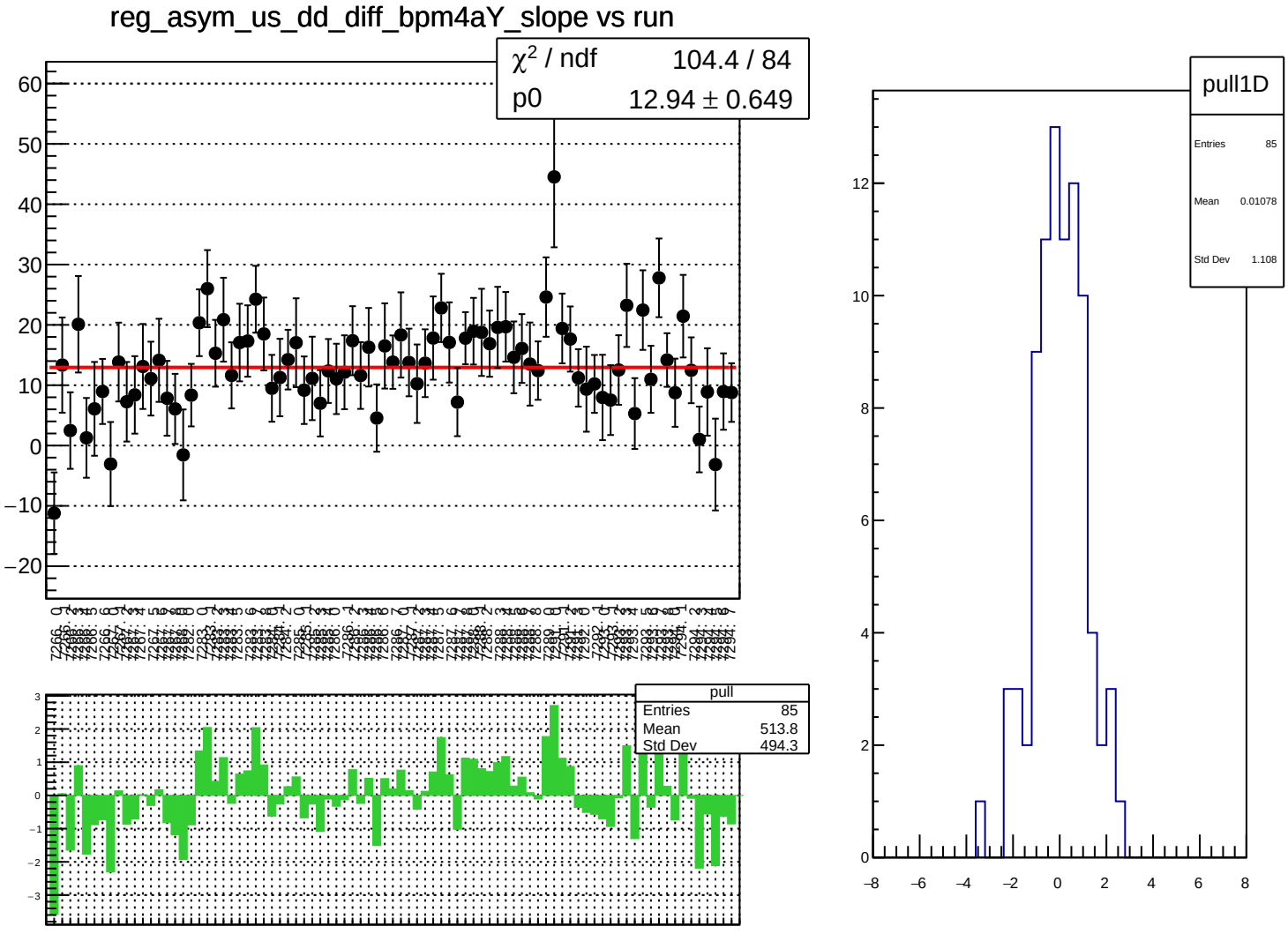

pull1D
Entries 85
Mean 0.006933
Std Dev 0.5877

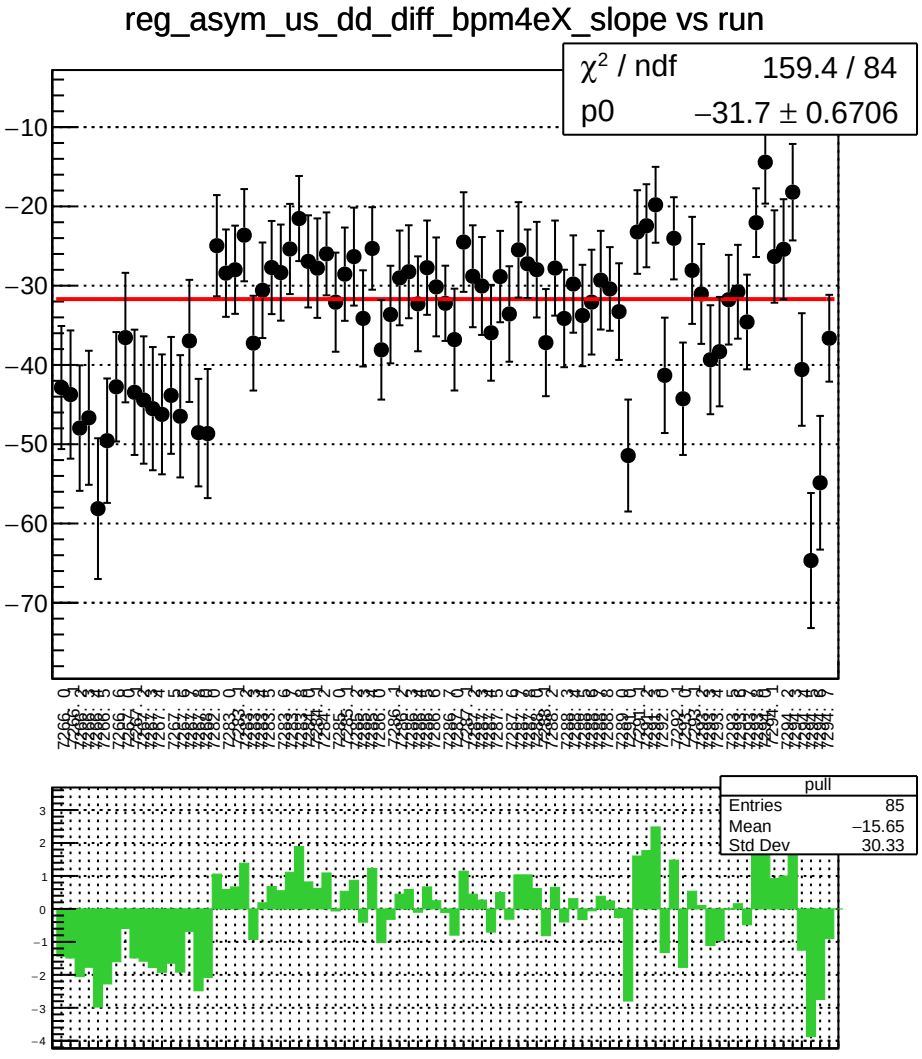

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 88.84 / 84
p0 −37.07 ± 0.06003
pull
Entries 85
Mean −244.4
Std Dev 288.6

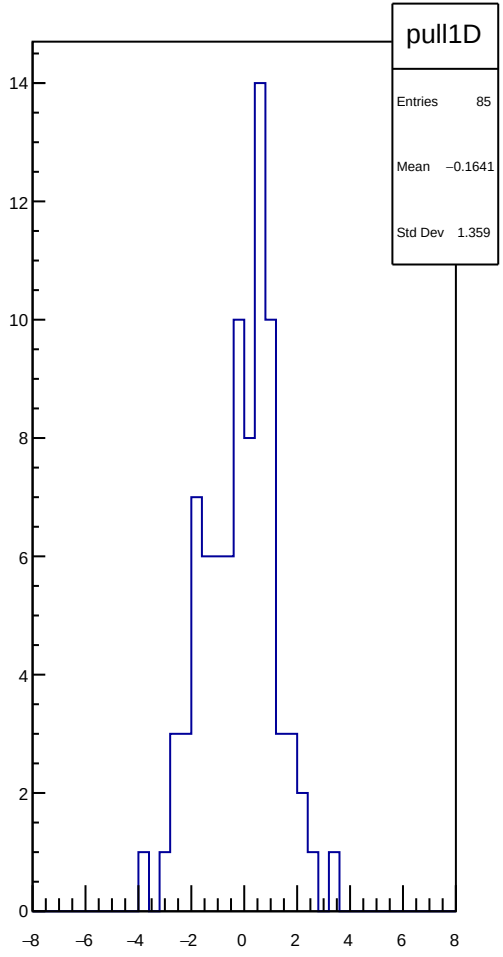

pull1D
Entries 85
Mean −0.04881
Std Dev 1.021

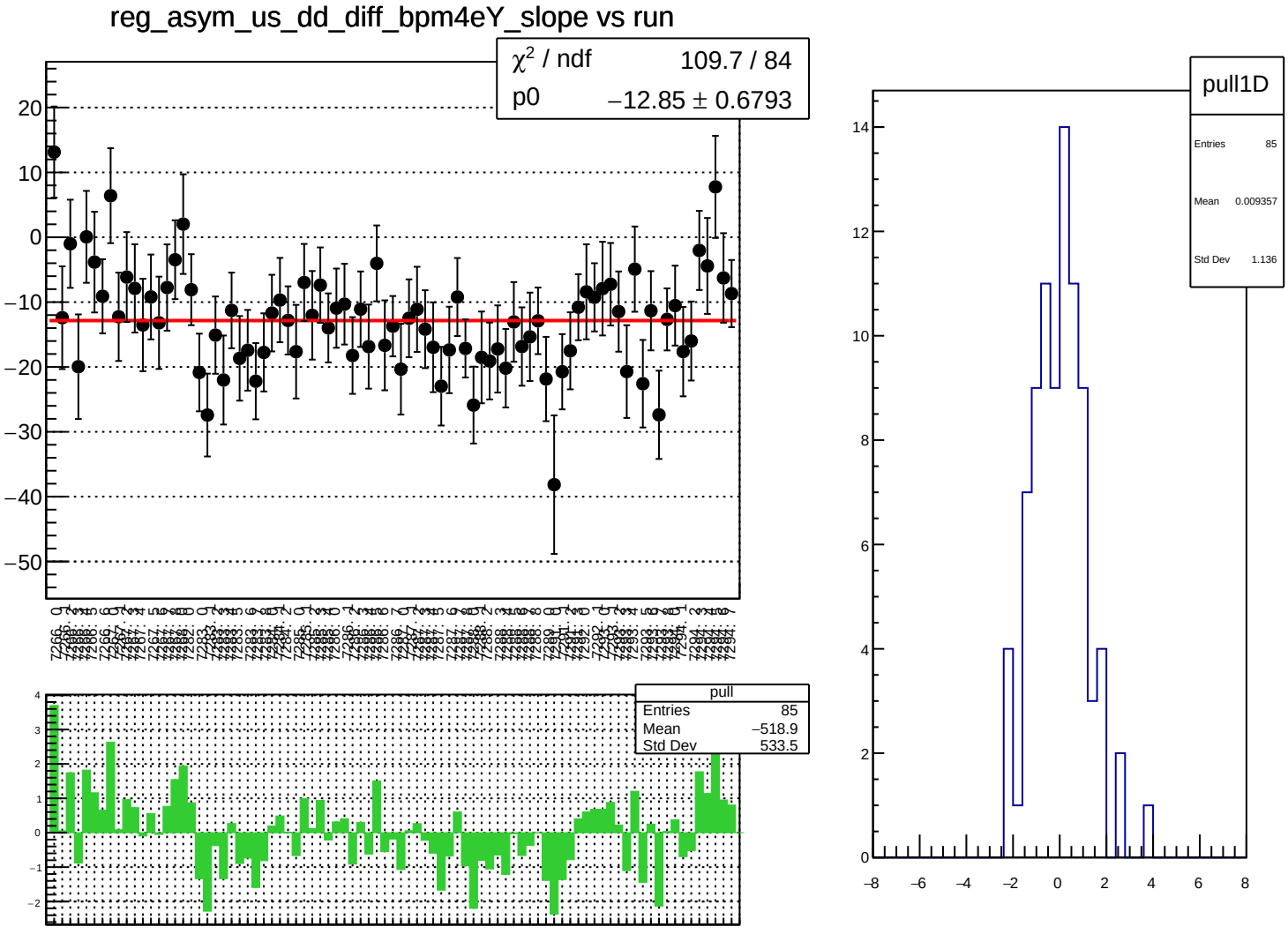

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 190.1 / 84
p0 −25.21 ± 0.6712
pull
Entries 85
Mean −43.67
Std Dev 65.03

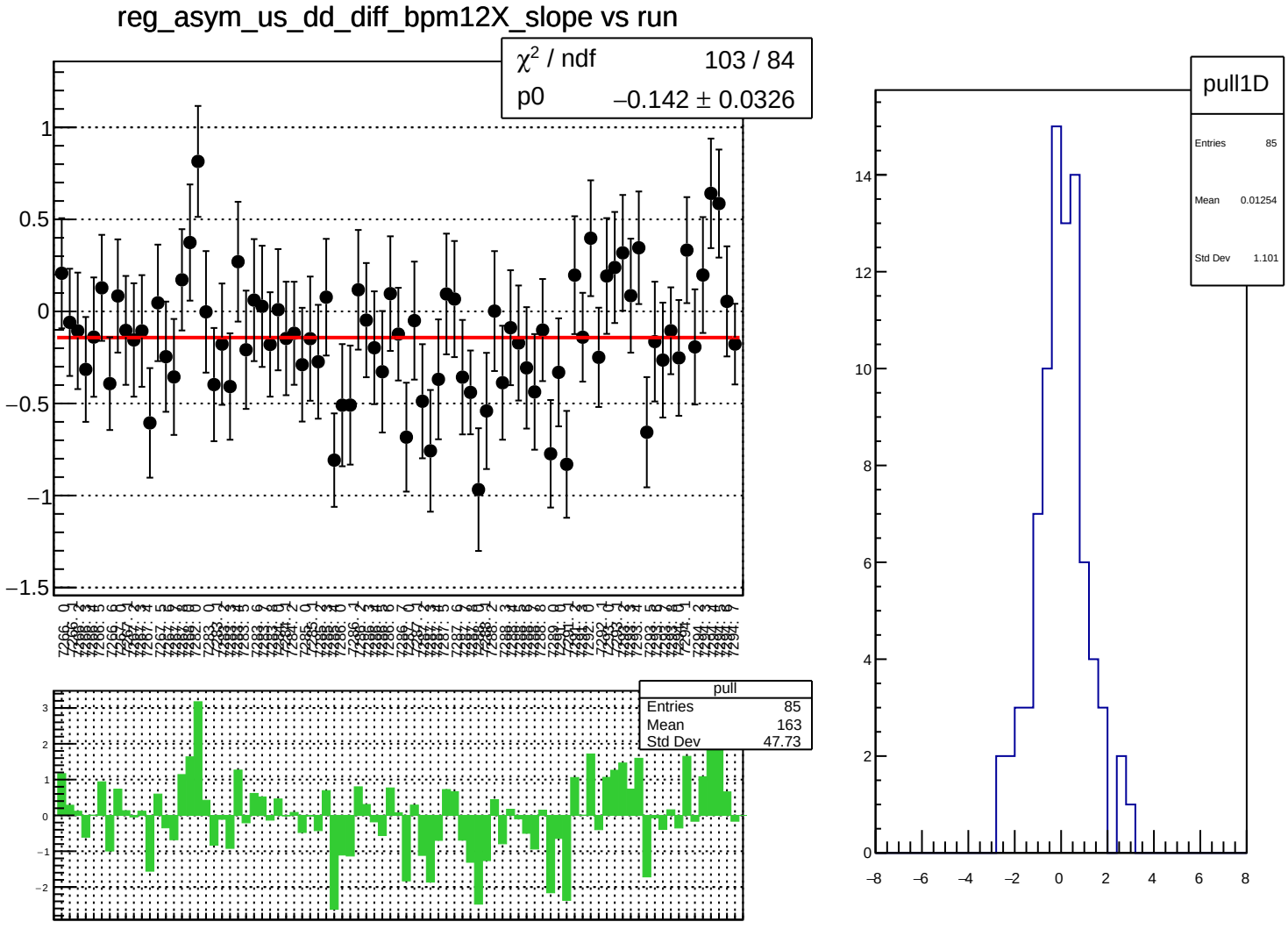

pull1D
Entries 85
Mean 0.1469
Std Dev 1.488

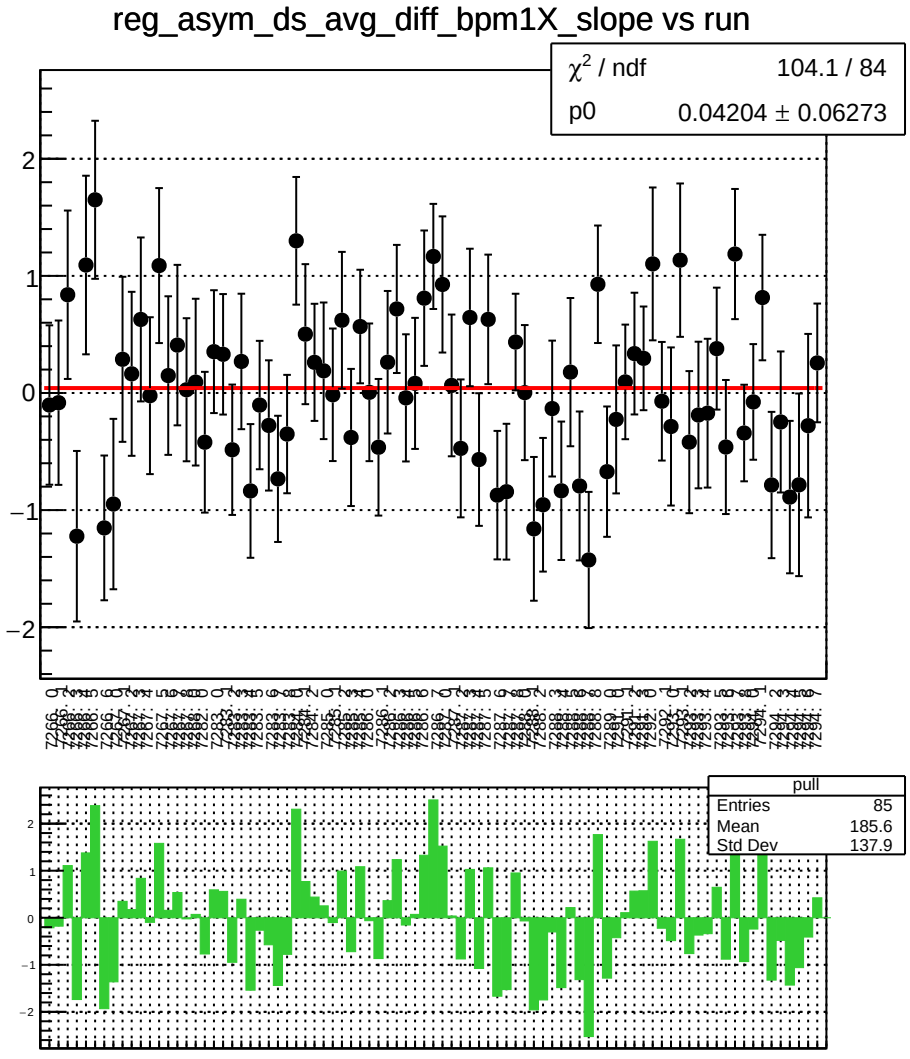

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 104.4 / 84
p0 12.94 ± 0.649
pull
Entries 85
Mean 513.8
Std Dev 494.3
pull1D
Entries 85
Mean 0.01078
Std Dev 1.108

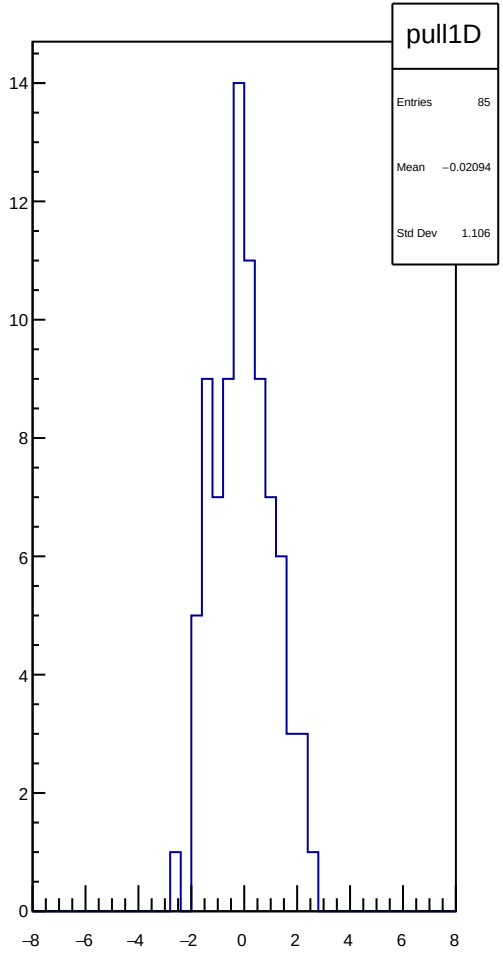

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 159.4 / 84
p0 −31.7 ± 0.6706
pull
Entries 85
Mean −15.65
Std Dev 30.33

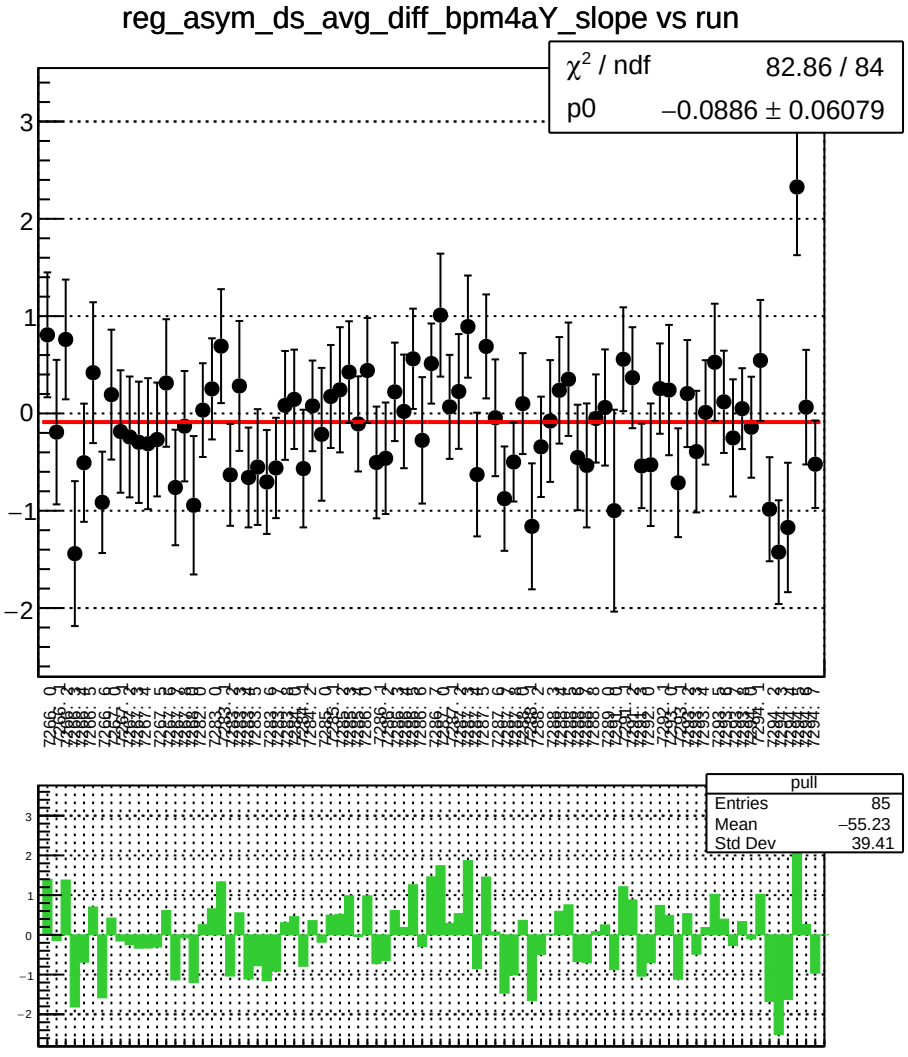

pull1D
Entries 85
Mean −0.1641
Std Dev 1.359

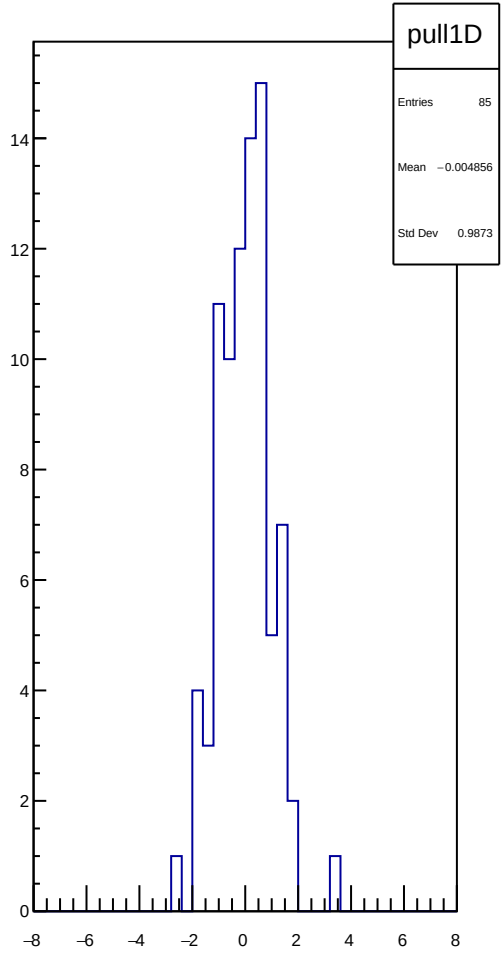

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 109.7 / 84
p0 −12.85 ± 0.6793
pull
Entries 85
Mean −518.9
Std Dev 533.5
pull1D
Entries 85
Mean 0.009357
Std Dev 1.136

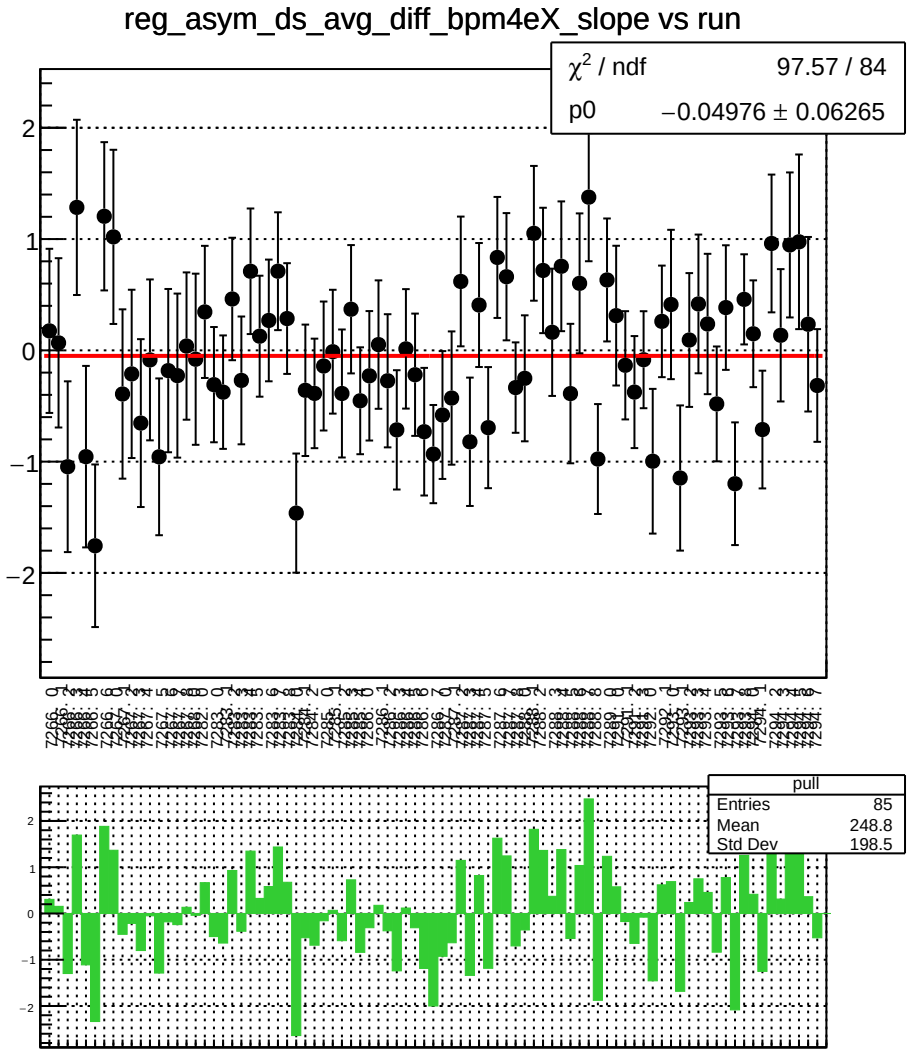

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 103 / 84
p0 −0.142 ± 0.0326
pull
Entries 85
Mean 163
Std Dev 47.73
pull1D
Entries 85
Mean 0.01254
Std Dev 1.101

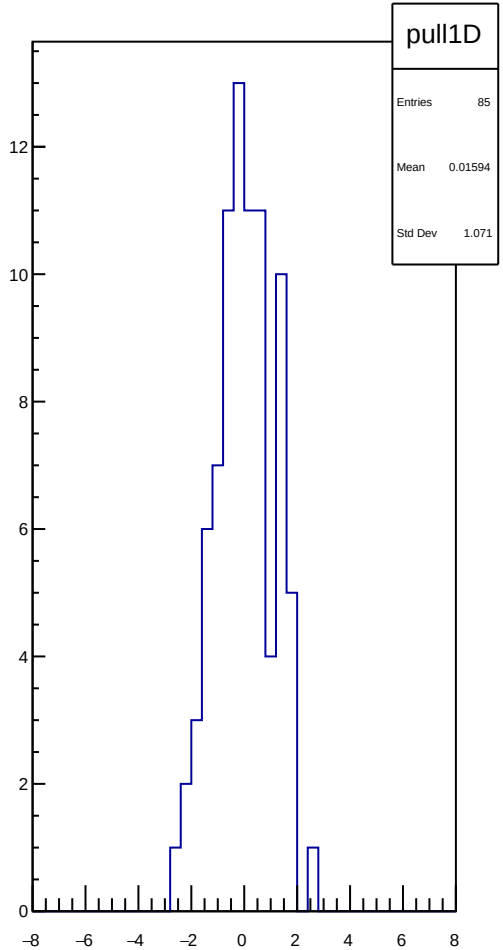

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ^2 / ndf 104.1 / 84
p0 0.04204 ± 0.06273
pull
Entries 85
Mean 185.6
Std Dev 137.9

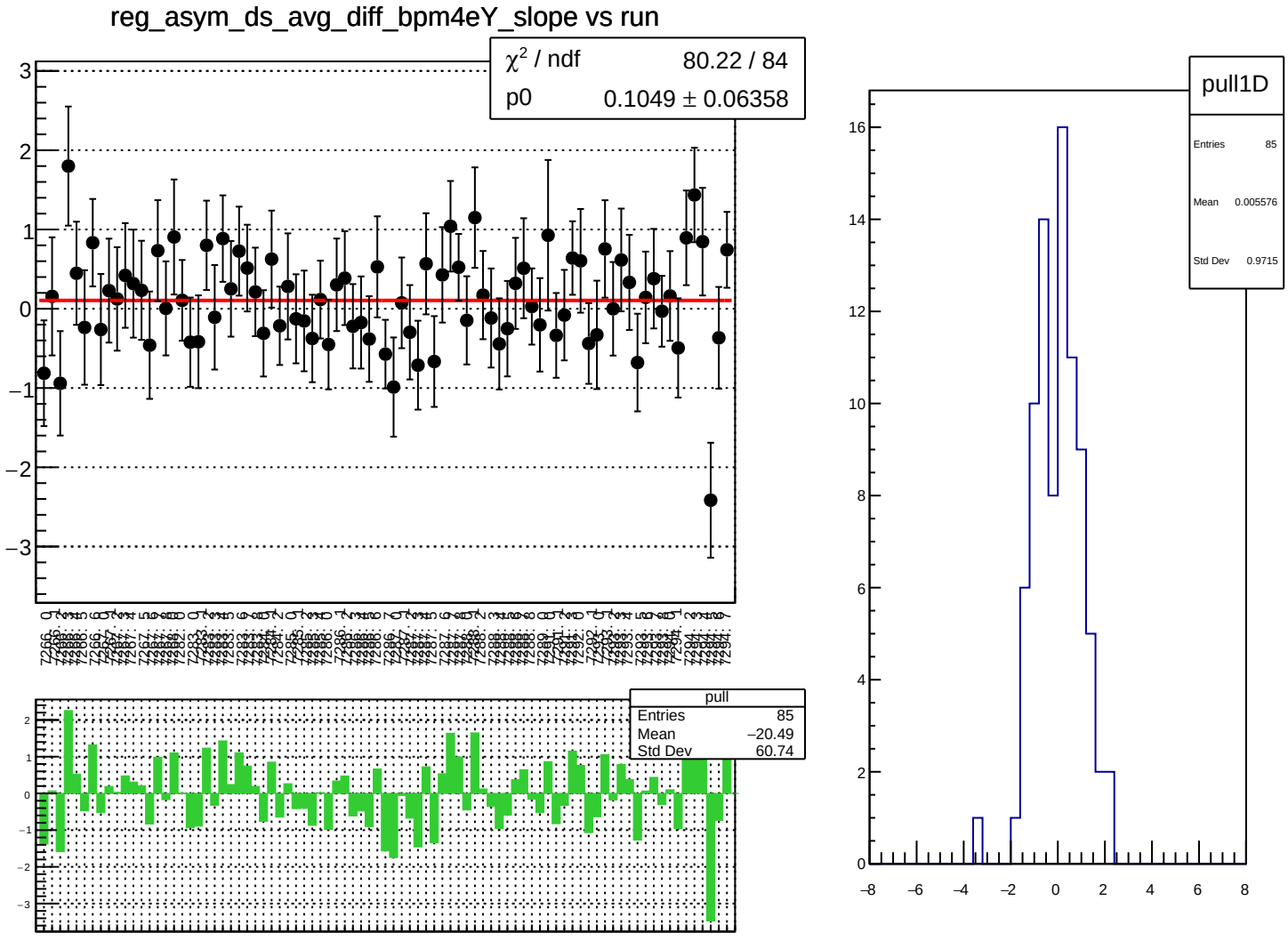

pull1D
Entries 85
Mean −0.02094
Std Dev 1.106

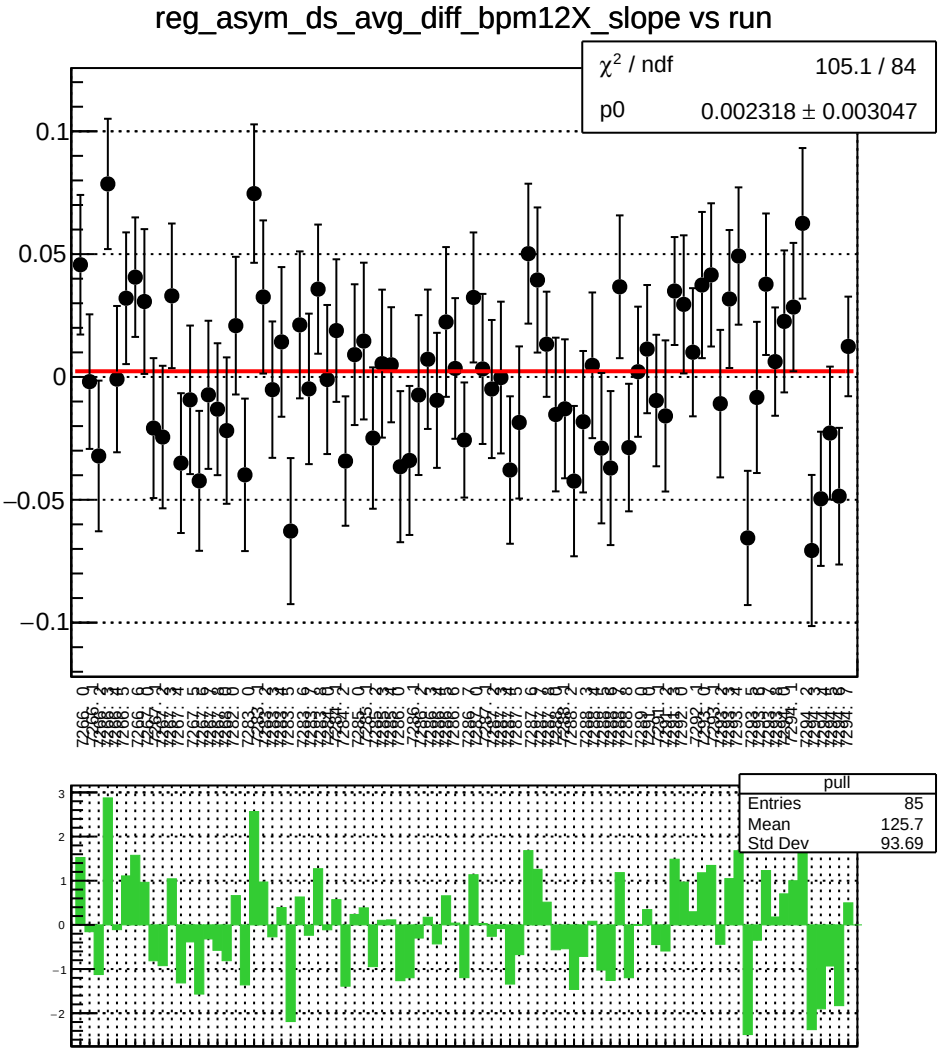

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 82.86 / 84
p0 −0.0886 ± 0.06079
pull
Entries 85
Mean −55.23
Std Dev 39.41

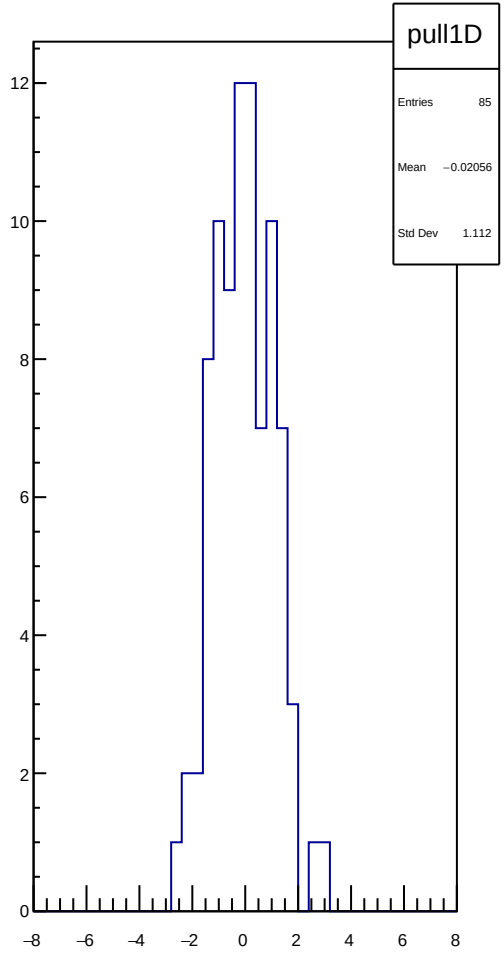

pull1D
Entries 85
Mean −0.004856
Std Dev 0.9873

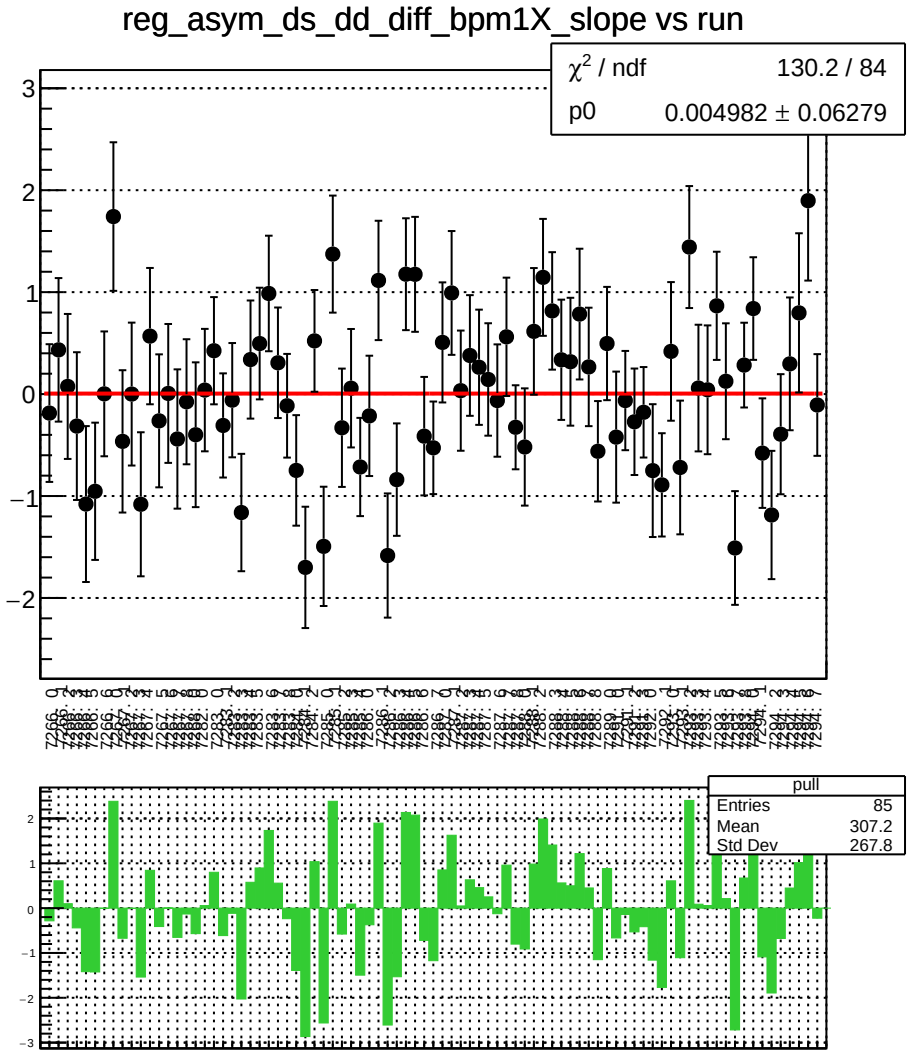

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 97.57 / 84
p0 −0.04976 ± 0.06265
pull
Entries 85
Mean 248.8
Std Dev 198.5

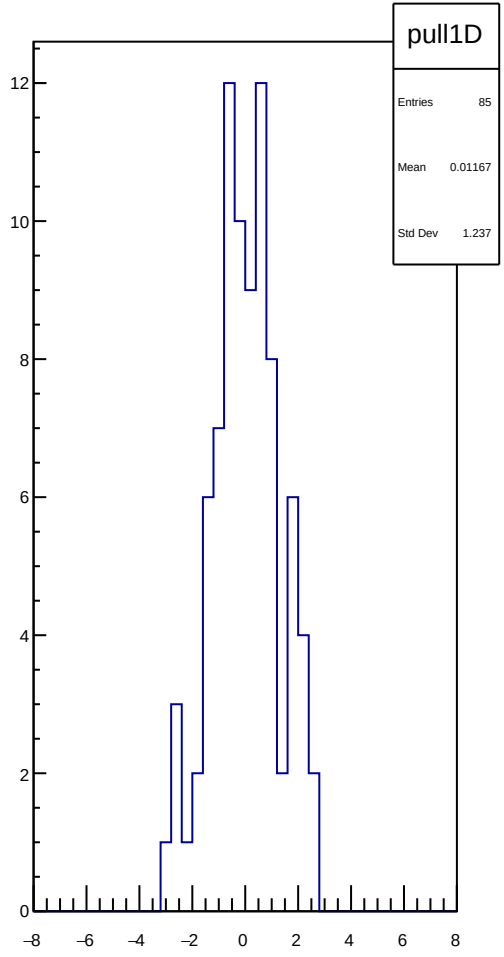

pull1D
Entries 85
Mean 0.01594
Std Dev 1.071

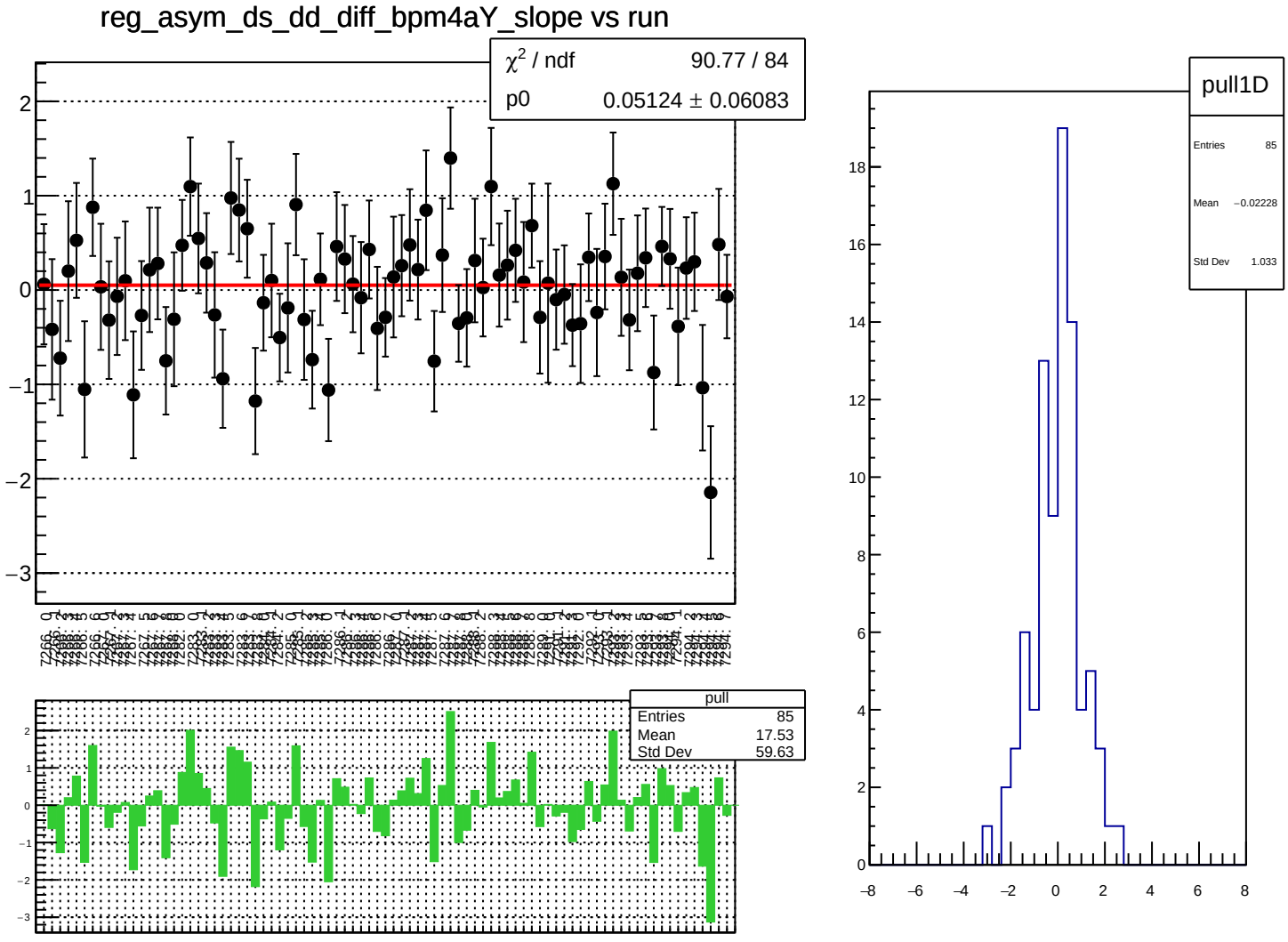

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 80.22 / 84
p0 0.1049 ± 0.06358
pull
Entries 85
Mean −20.49
Std Dev 60.74
pull1D
Entries 85
Mean 0.005576
Std Dev 0.9715


reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 105.1 / 84
p0 0.002318 ± 0.003047
pull
Entries 85
Mean 125.7
Std Dev 93.69

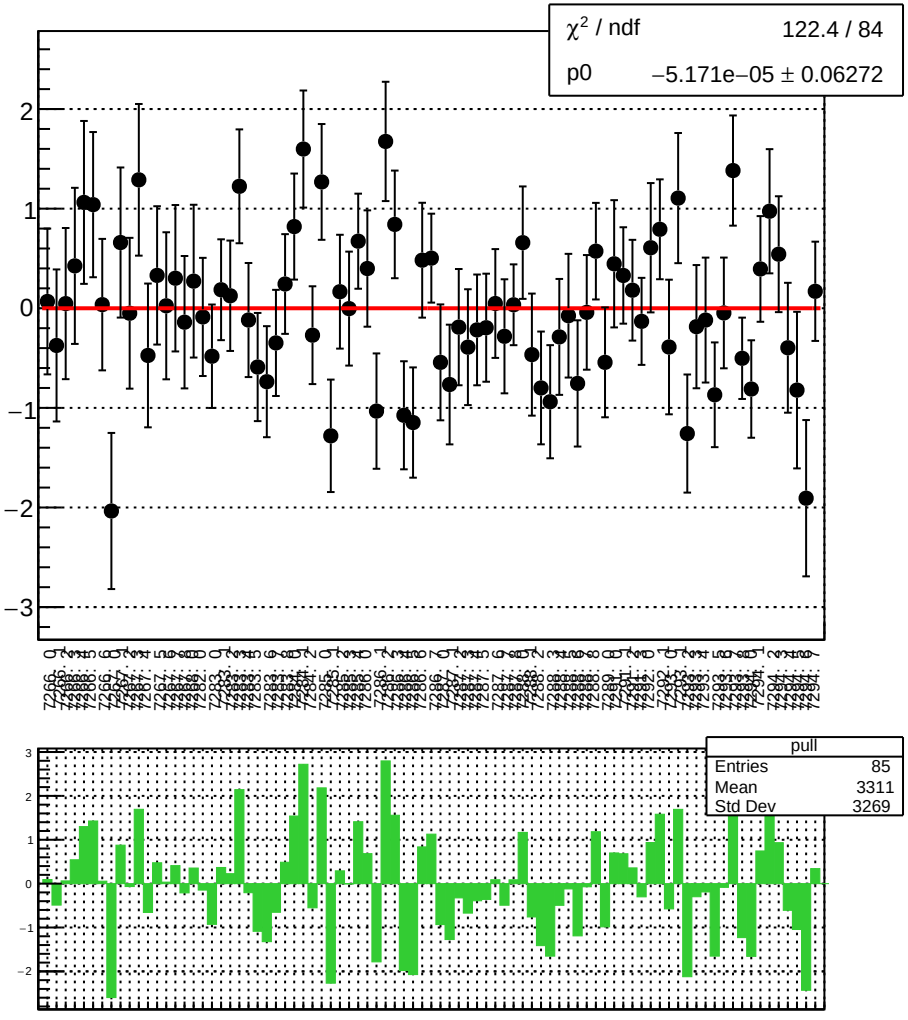

pull1D
Entries 85
Mean −0.02056
Std Dev 1.112

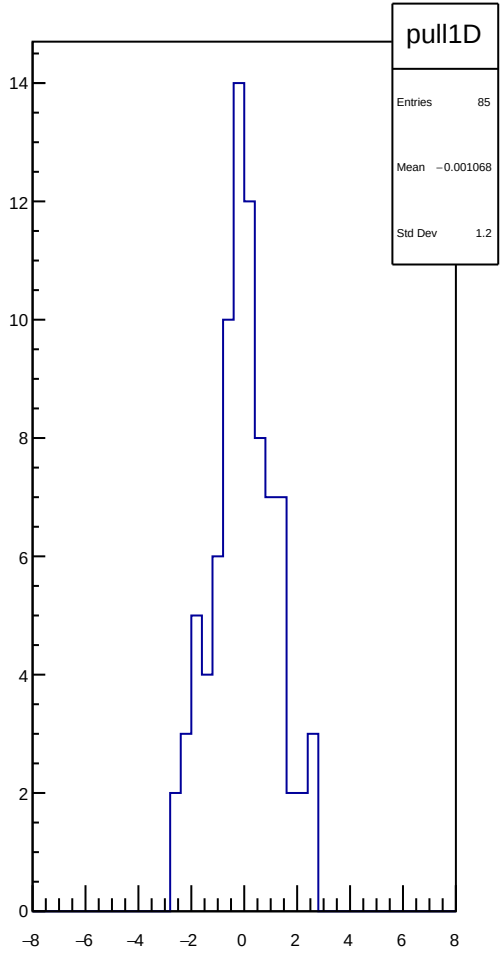

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 130.2 / 84
p0 0.004982 ± 0.06279
pull
Entries 85
Mean 307.2
Std Dev 267.8

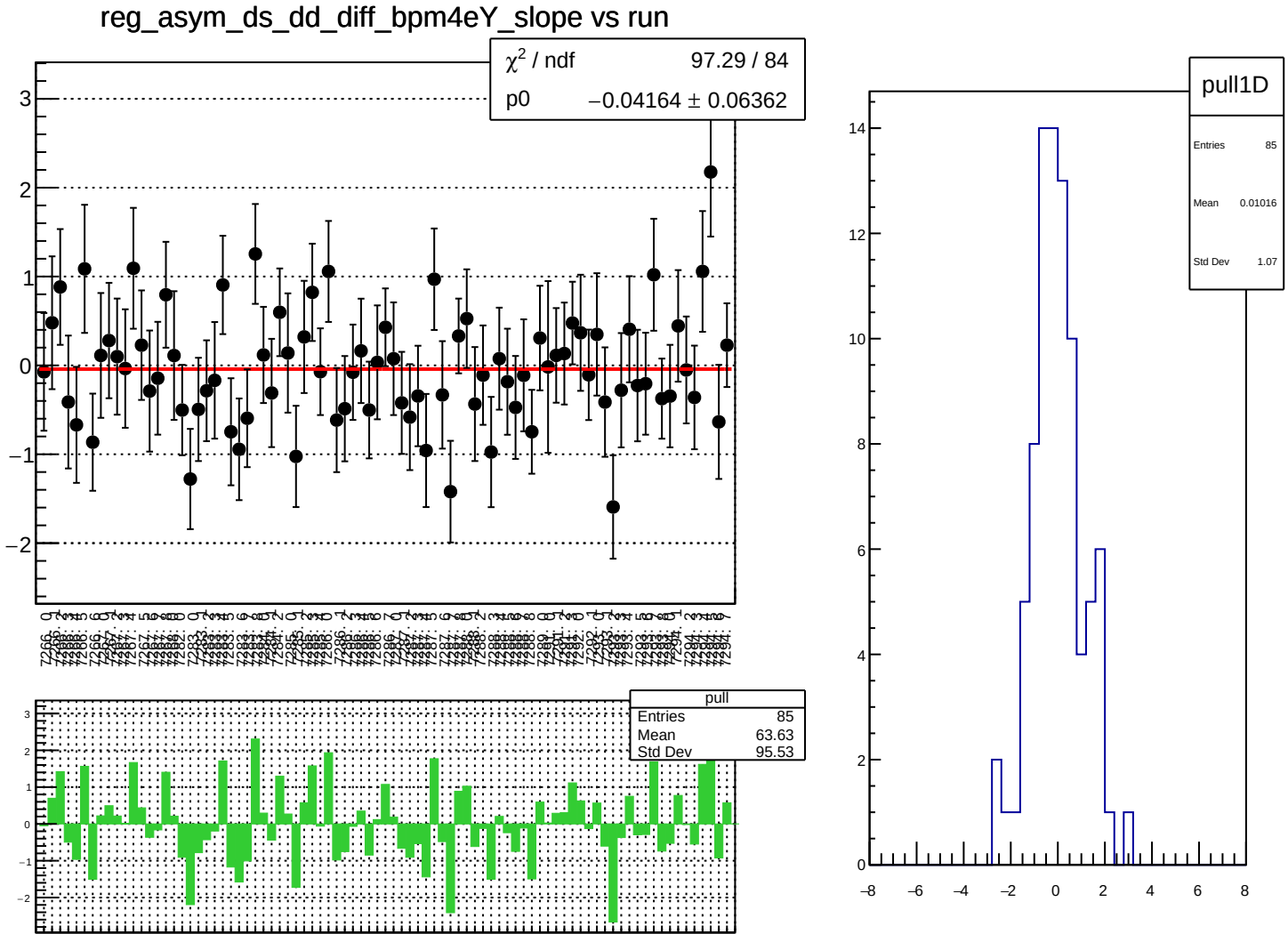

pull1D
Entries 85
Mean 0.01167
Std Dev 1.237

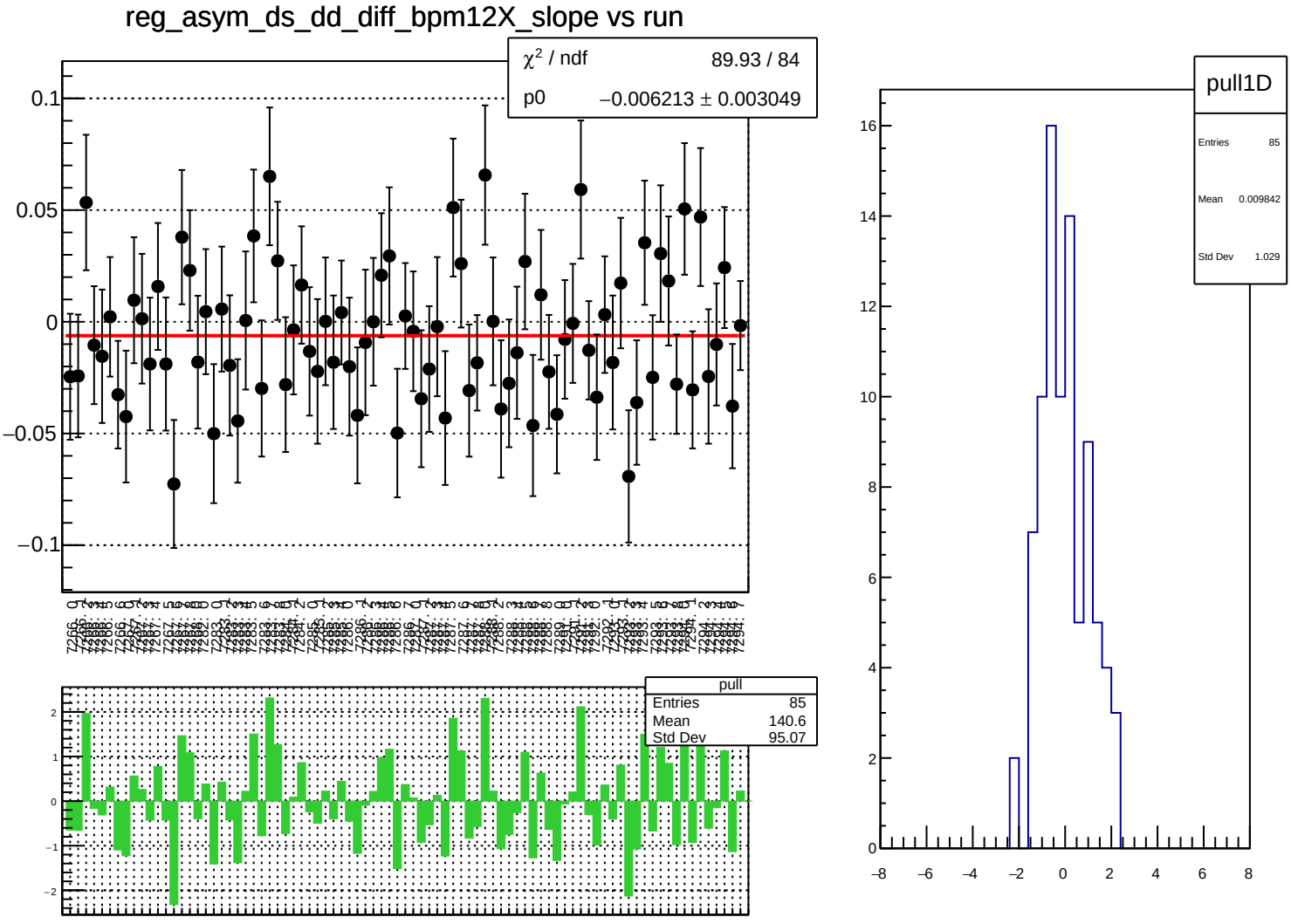

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 90.77 / 84
p0 0.05124 ± 0.06083
pull
Entries 85
Mean 17.53
Std Dev 59.63
pull1D
Entries 85
Mean −0.02228
Std Dev 1.033

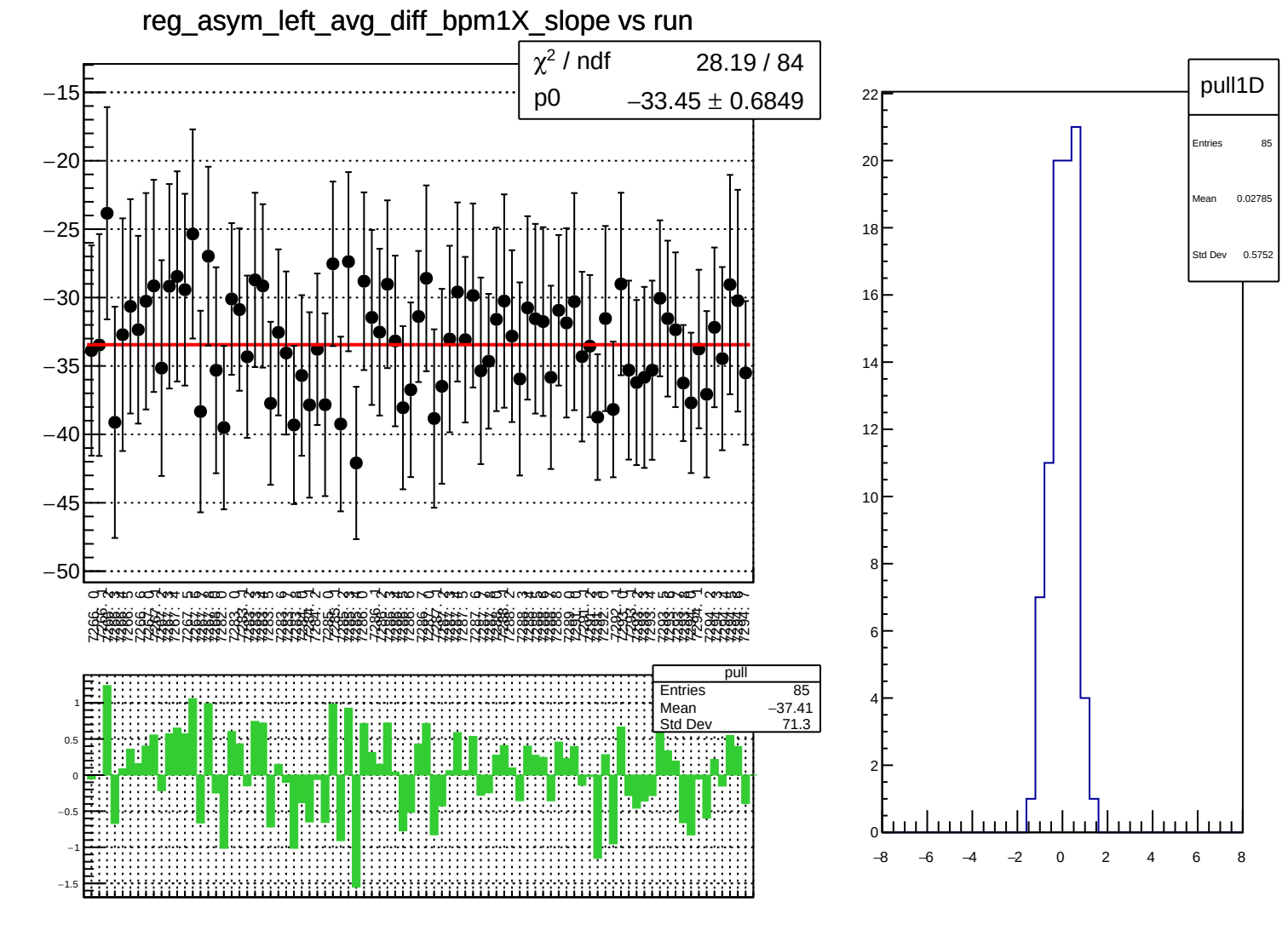
reg_asym_ds_dd_diff_bpm4eX_slope vs run

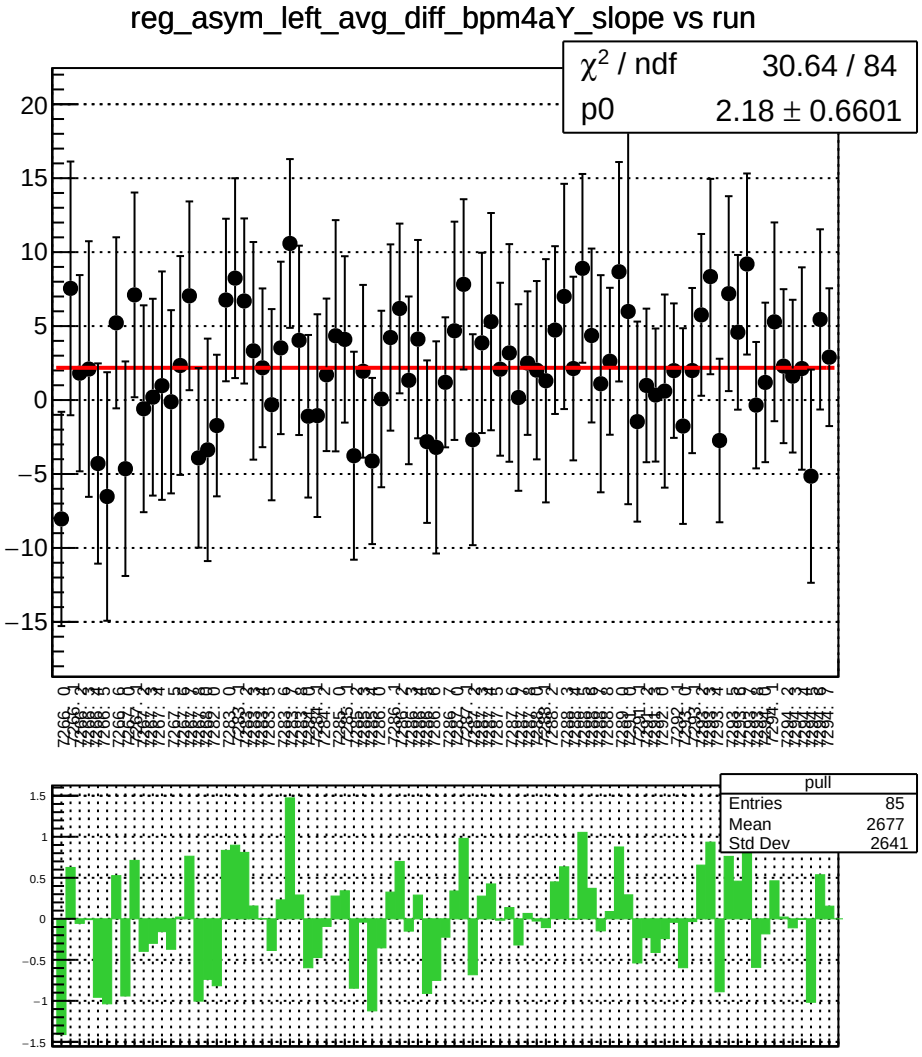


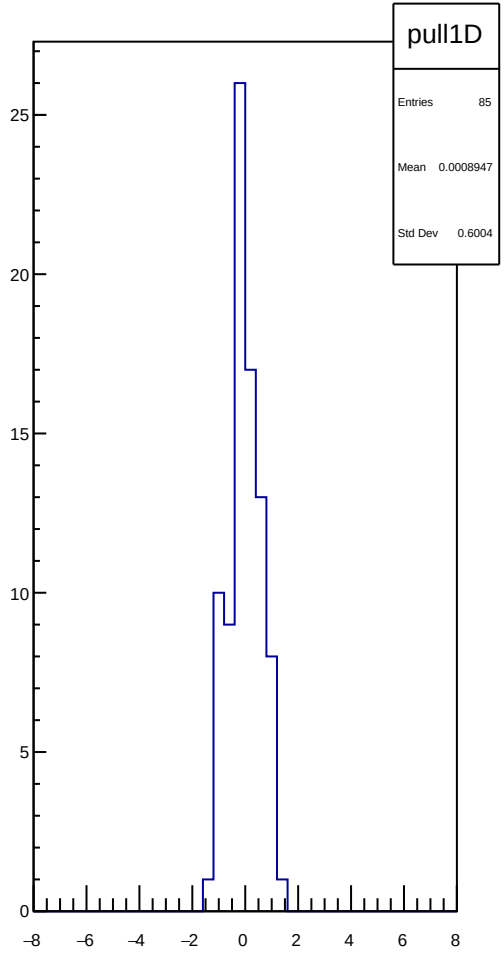


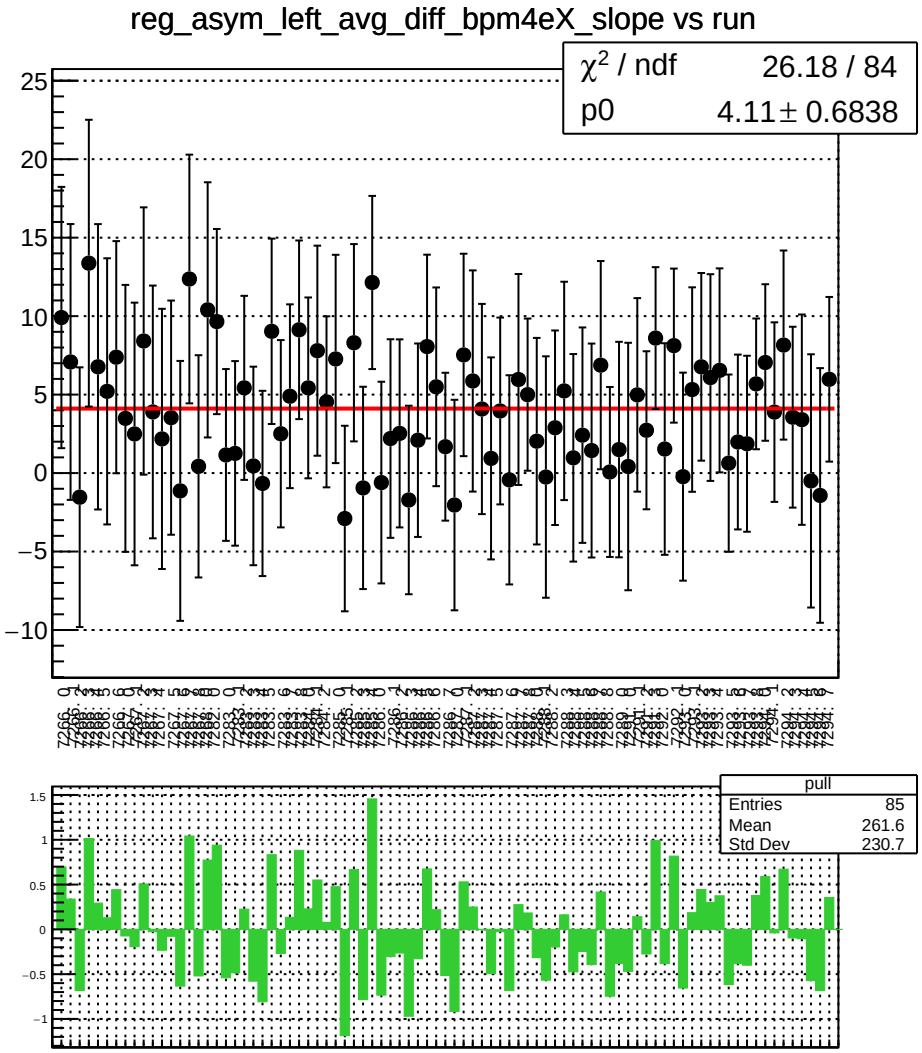

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 97.29 / 84
p0 −0.04164 ± 0.06362
pull
Entries 85
Mean 63.63
Std Dev 95.53
pull1D
Entries 85
Mean 0.01016
Std Dev 1.07

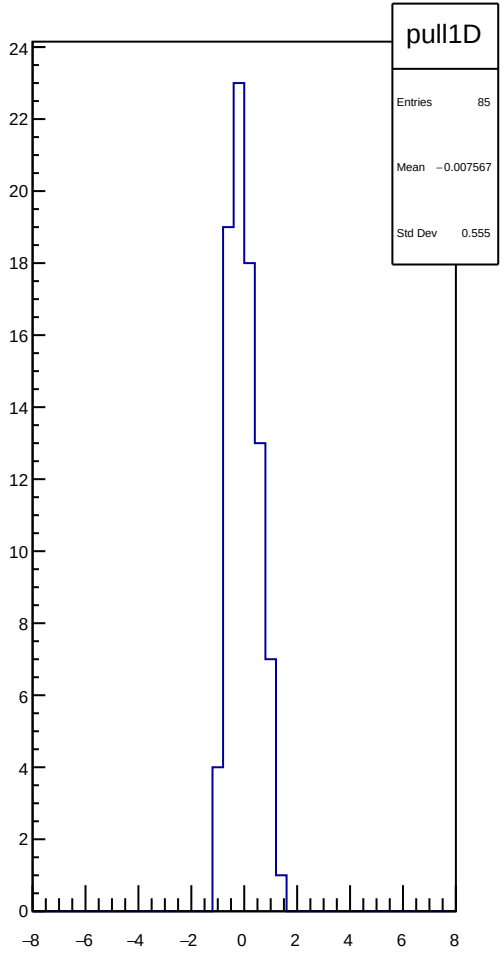

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 89.93 / 84
p0 −0.006213 ± 0.003049
pull
Entries 85
Mean 140.6
Std Dev 95.07
pull1D
Entries 85
Mean 0.009842
Std Dev 1.029

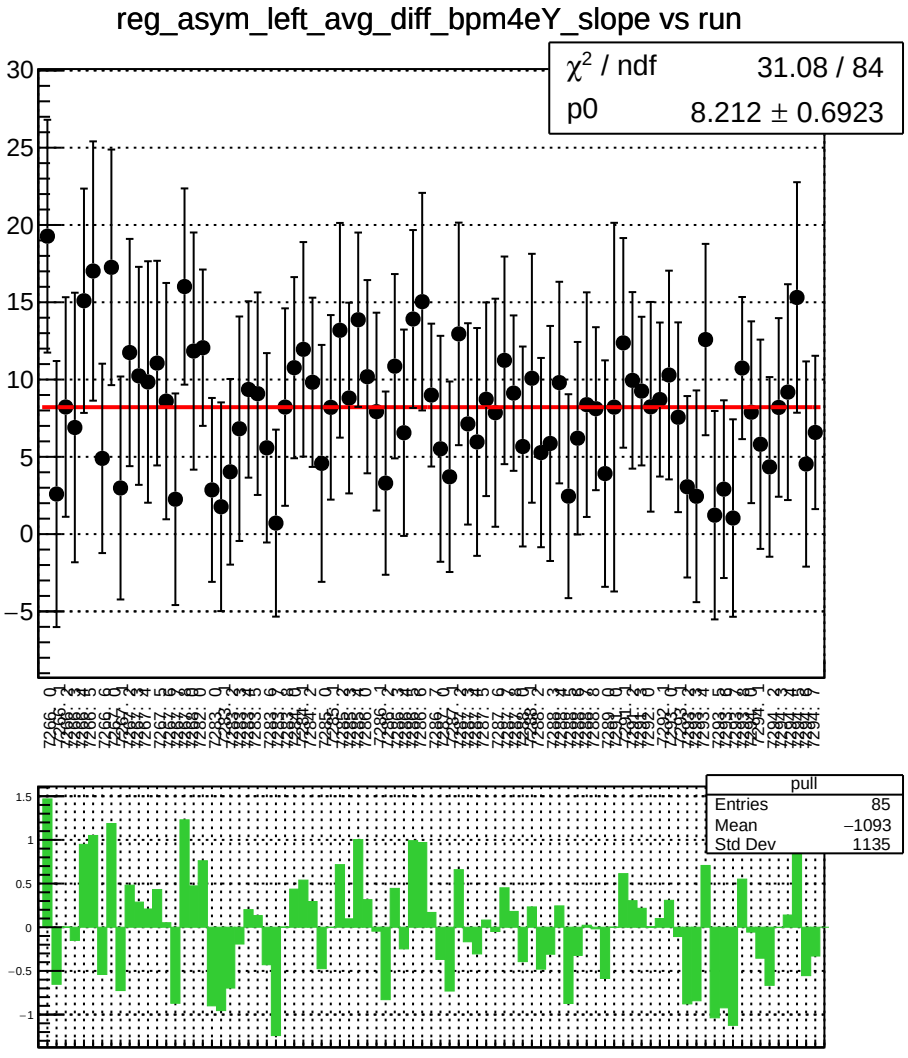

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 28.19 / 84
p0 −33.45 ± 0.6849
pull
Entries 85
Mean −37.41
Std Dev 71.3
pull1D
Entries 85
Mean 0.02785
Std Dev 0.5752

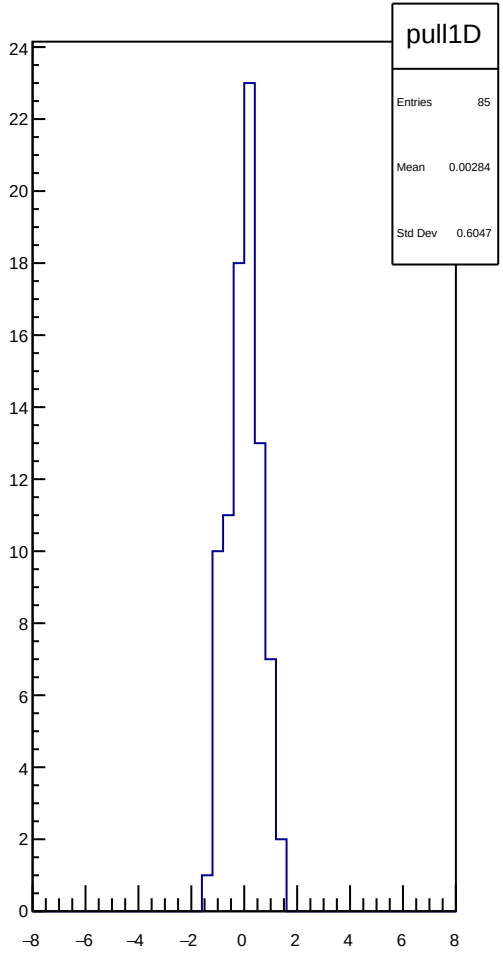

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 30.64 / 84
p0 2.18 ± 0.6601
pull
Entries 85
Mean 2677
Std Dev 2641

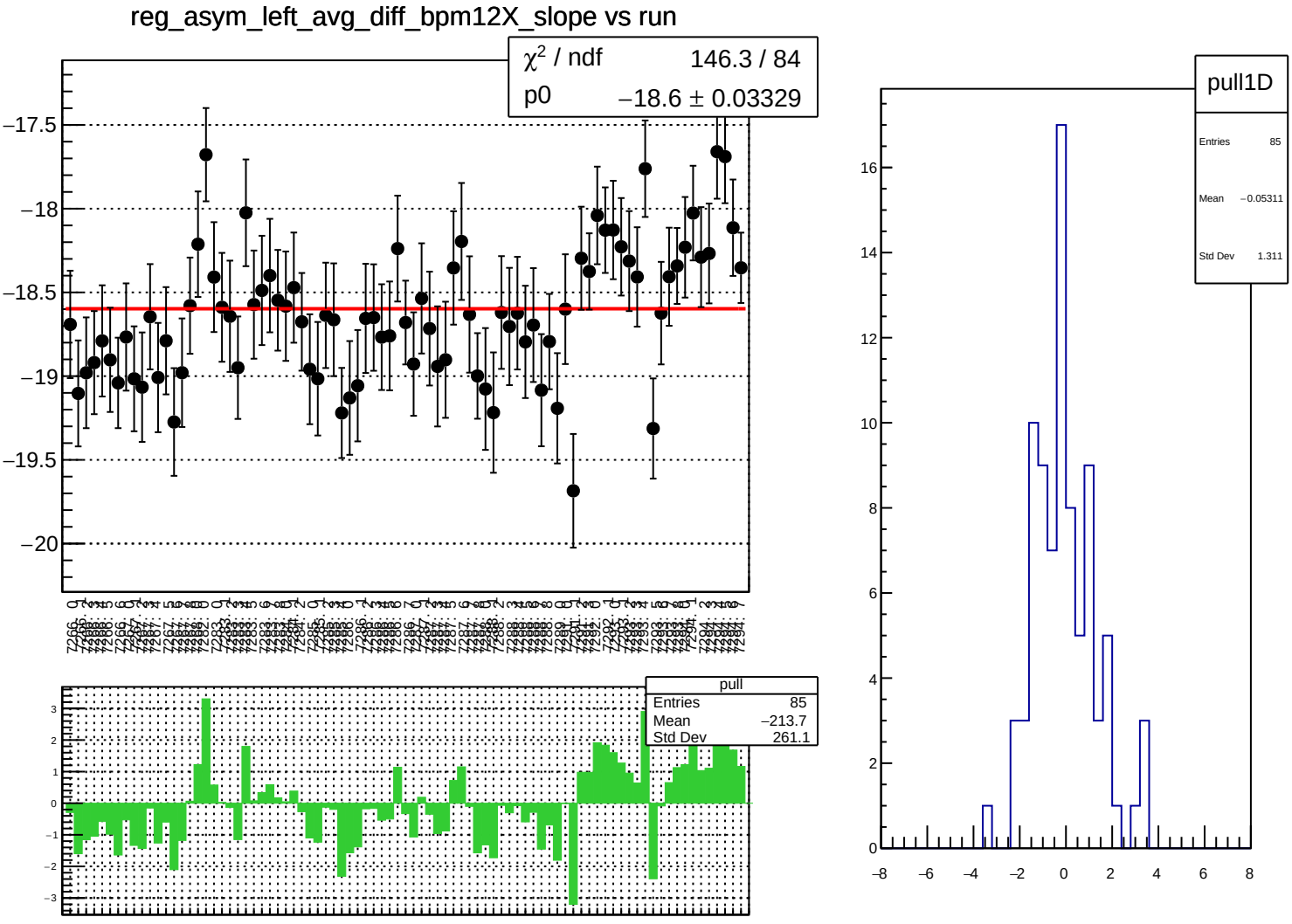

pull1D
Entries 85
Mean 0.0008947
Std Dev 0.6004

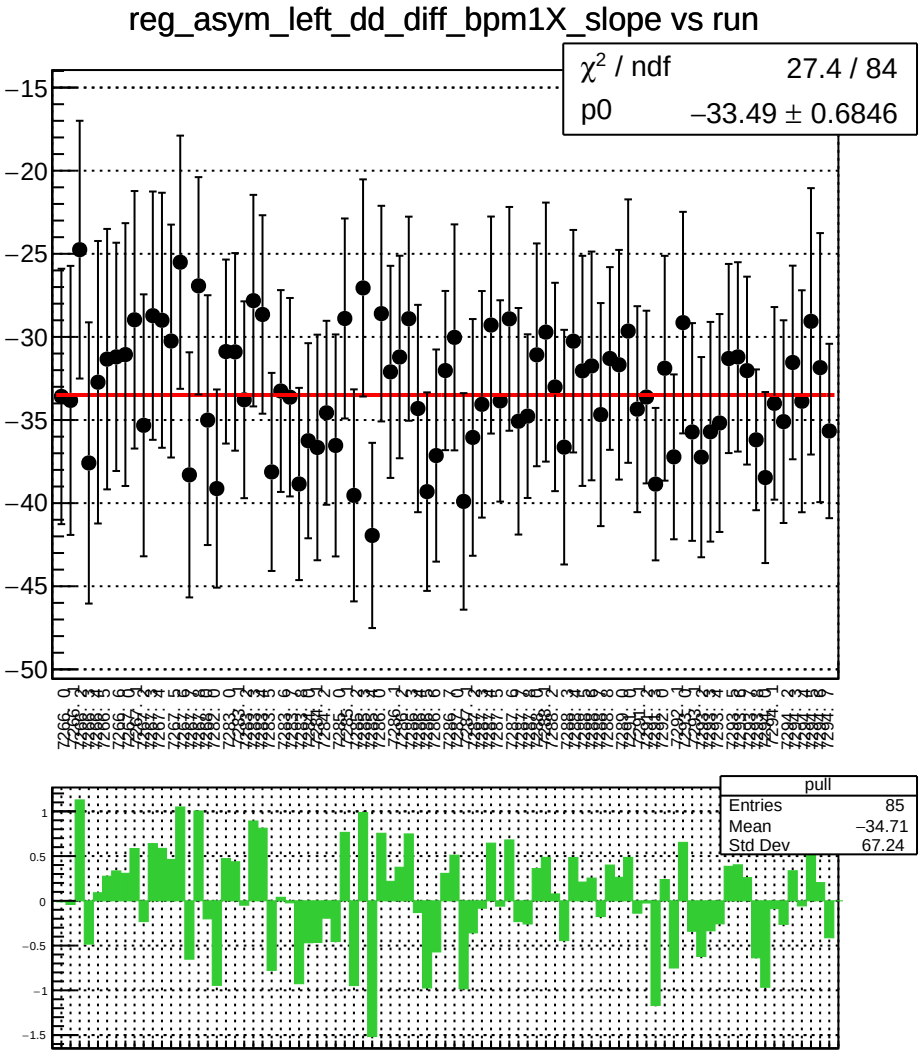

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 26.18 / 84
p0 4.11 ± 0.6838
pull
Entries 85
Mean 261.6
Std Dev 230.7

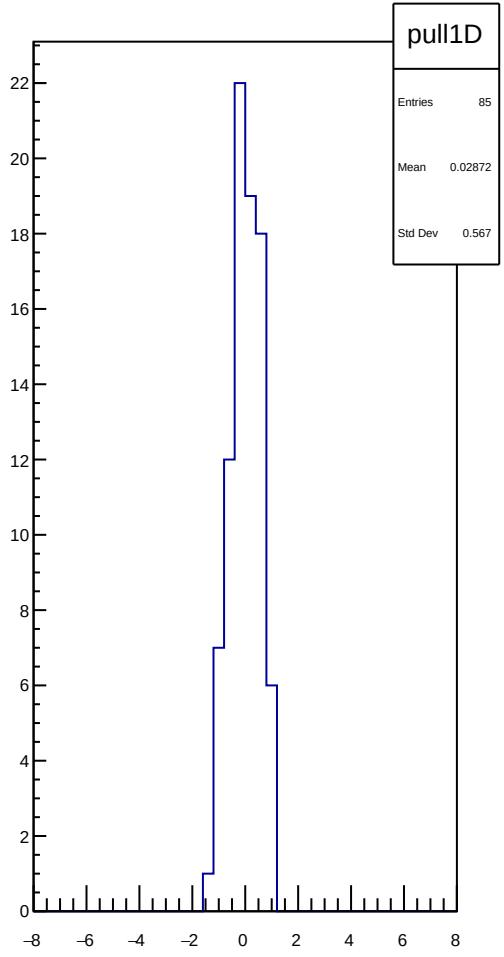

pull1D
Entries 85
Mean −0.007567
Std Dev 0.555

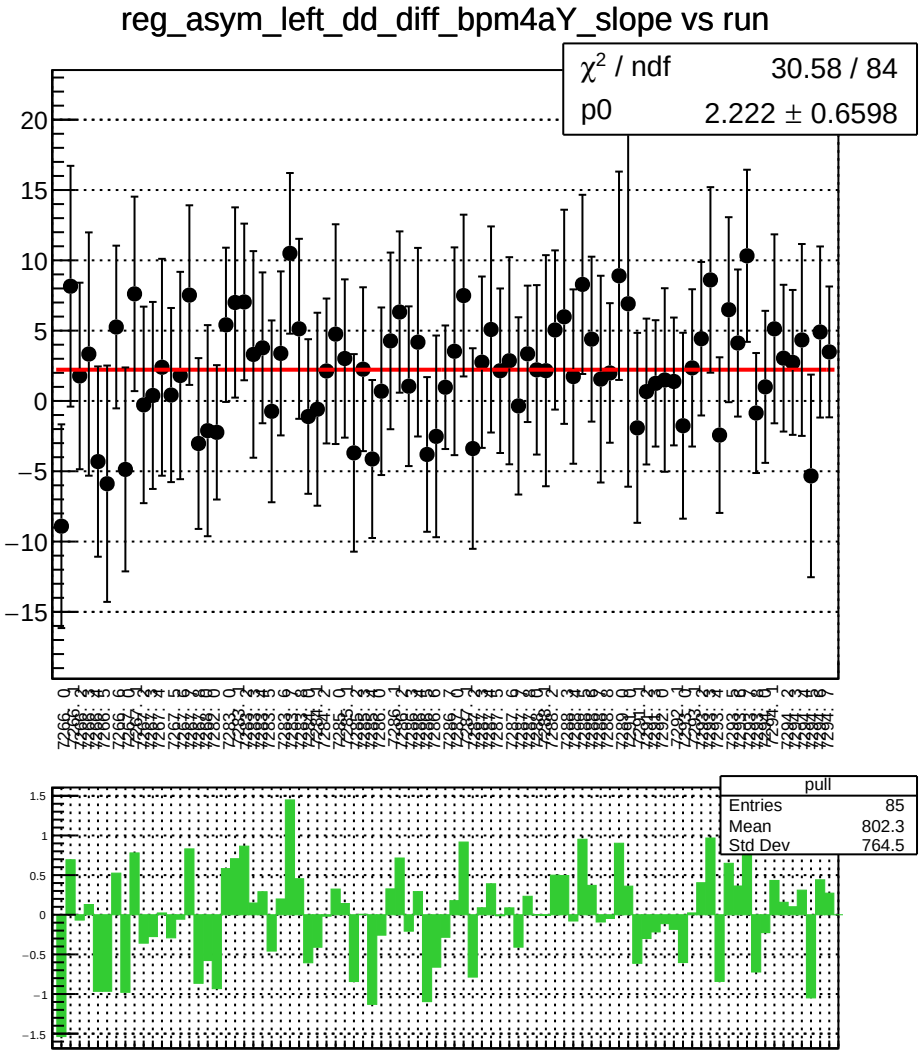

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 31.08 / 84
p0 8.212 ± 0.6923
pull
Entries 85
Mean −1093
Std Dev 1135

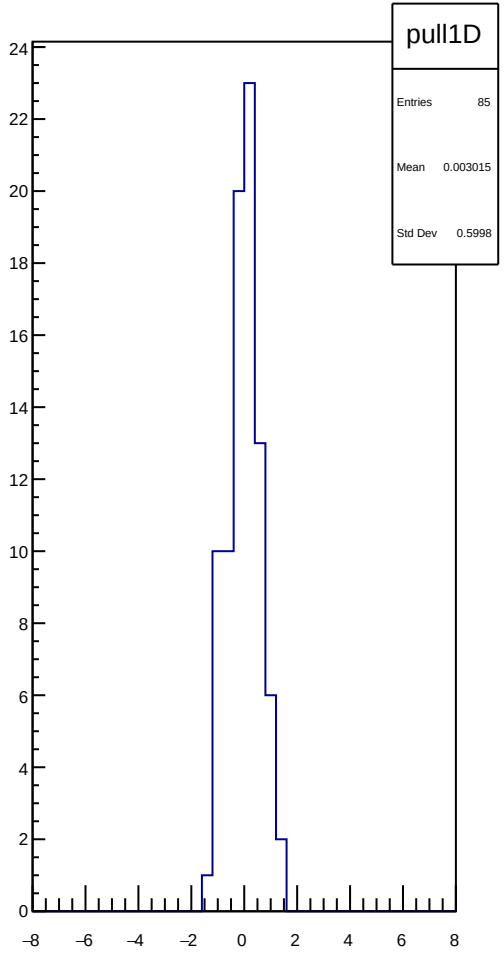

pull1D
Entries 85
Mean 0.00284
Std Dev 0.6047

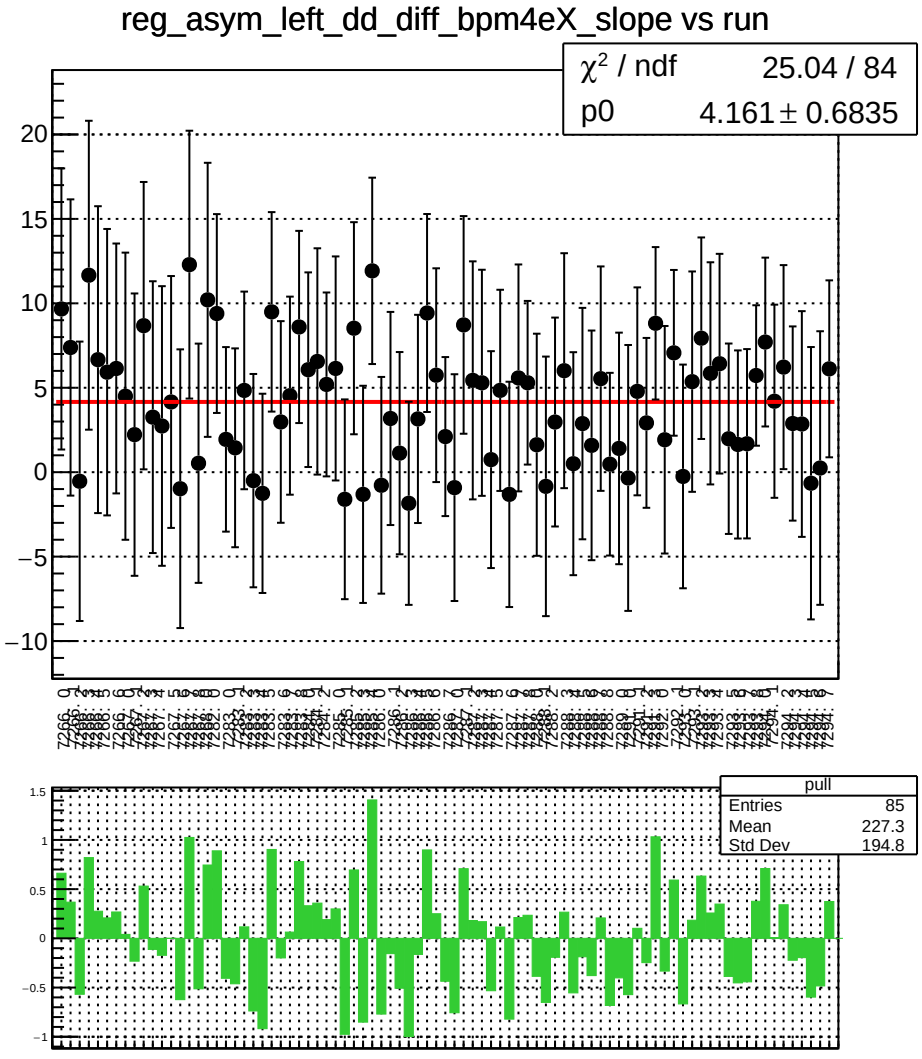

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 146.3 / 84
p0 −18.6 ± 0.03329
pull
Entries 85
Mean −213.7
Std Dev 261.1
pull1D
Entries 85
Mean −0.05311
Std Dev 1.311

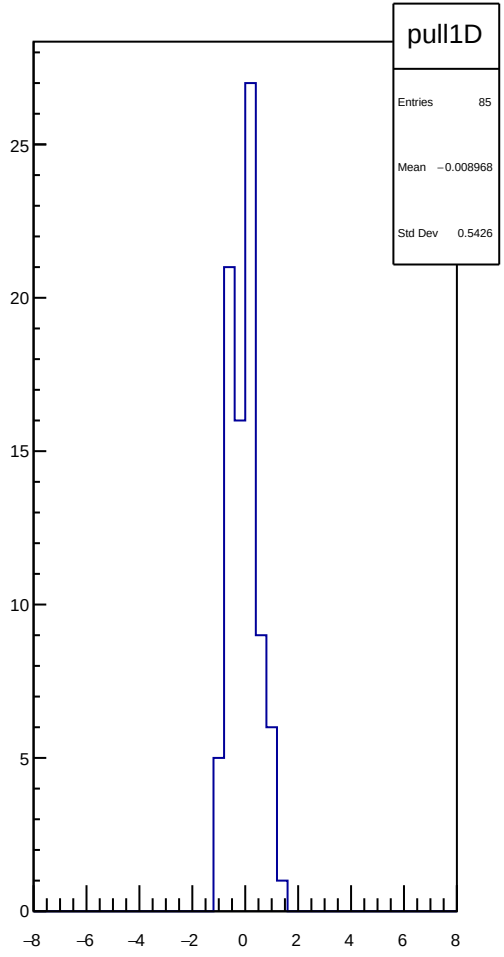

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 27.4 / 84
p0 −33.49 ± 0.6846
pull
Entries 85
Mean −34.71
Std Dev 67.24

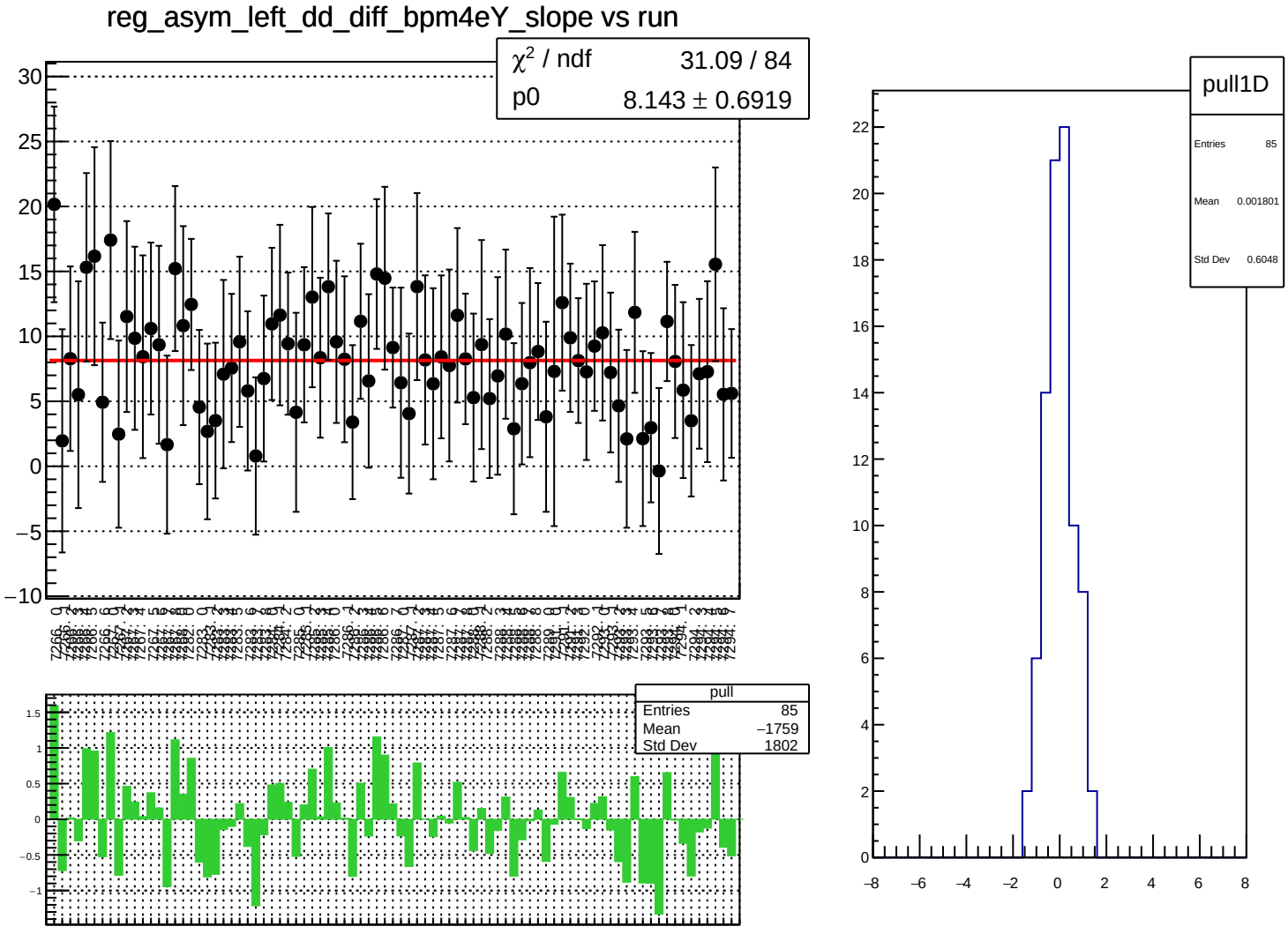

pull1D
Entries 85
Mean 0.02872
Std Dev 0.567

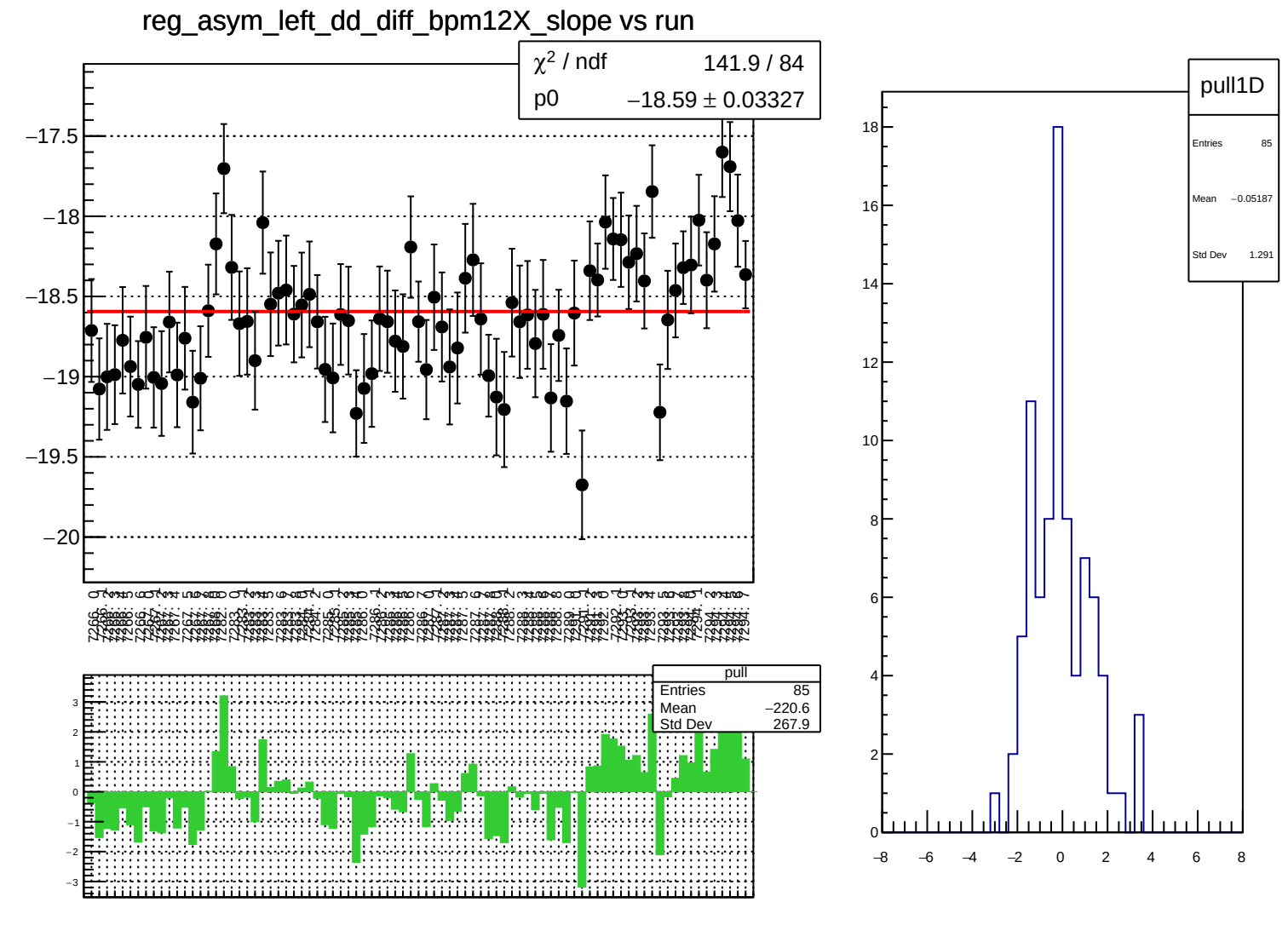

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 30.58 / 84
p0 2.222 ± 0.6598
pull
Entries 85
Mean 802.3
Std Dev 764.5

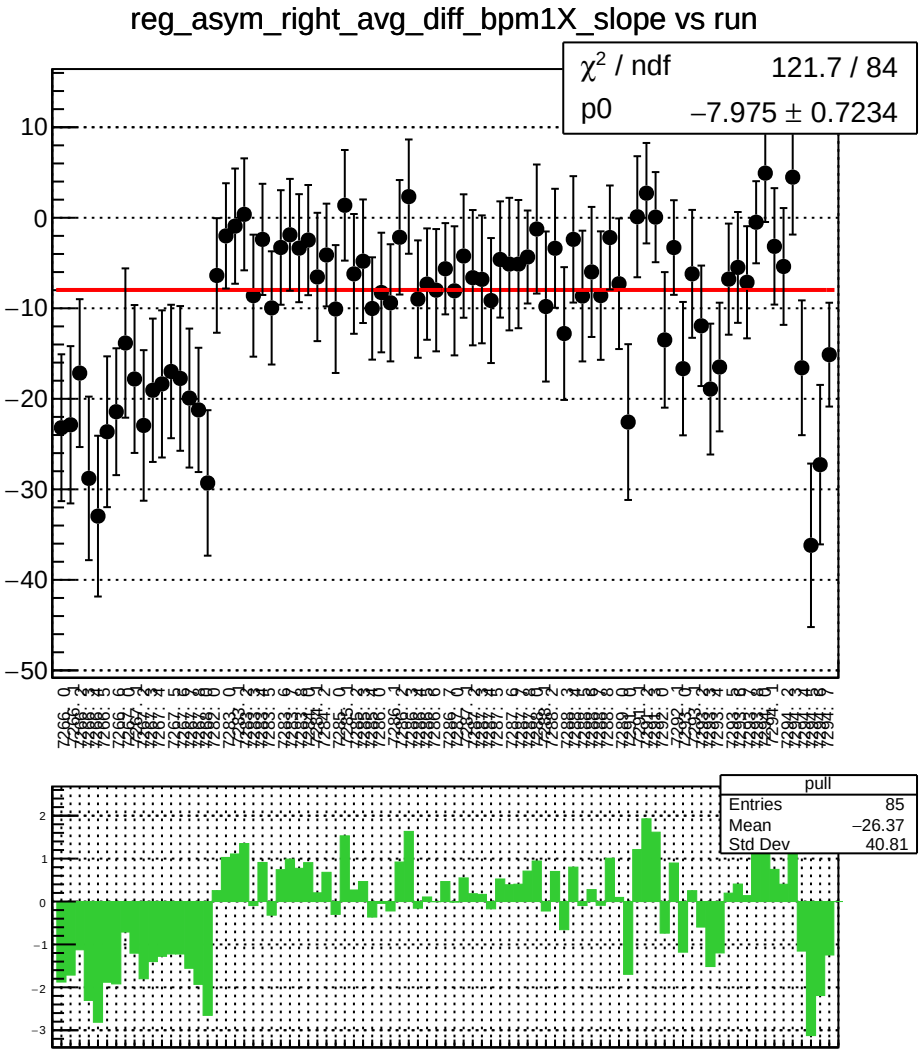

pull1D
Entries 85
Mean 0.003015
Std Dev 0.5998

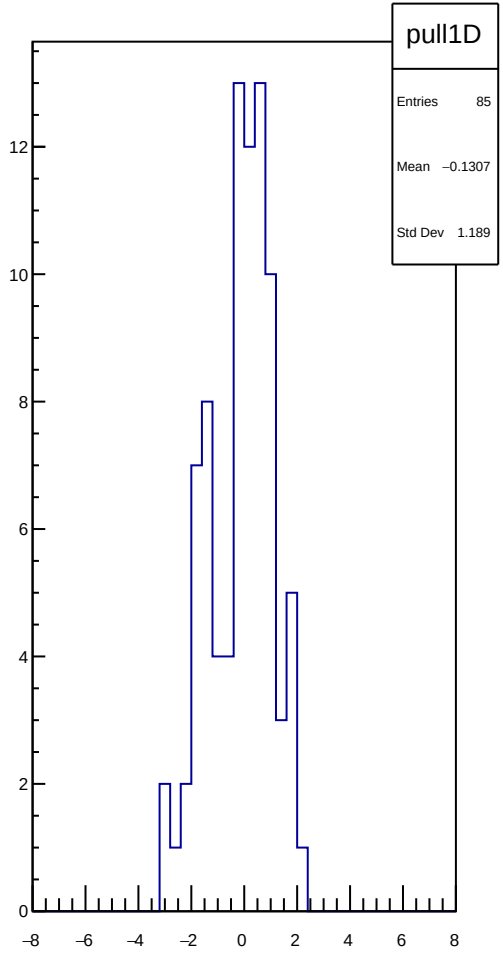

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 25.04 / 84
p0 4.161 ± 0.6835
pull
Entries 85
Mean 227.3
Std Dev 194.8

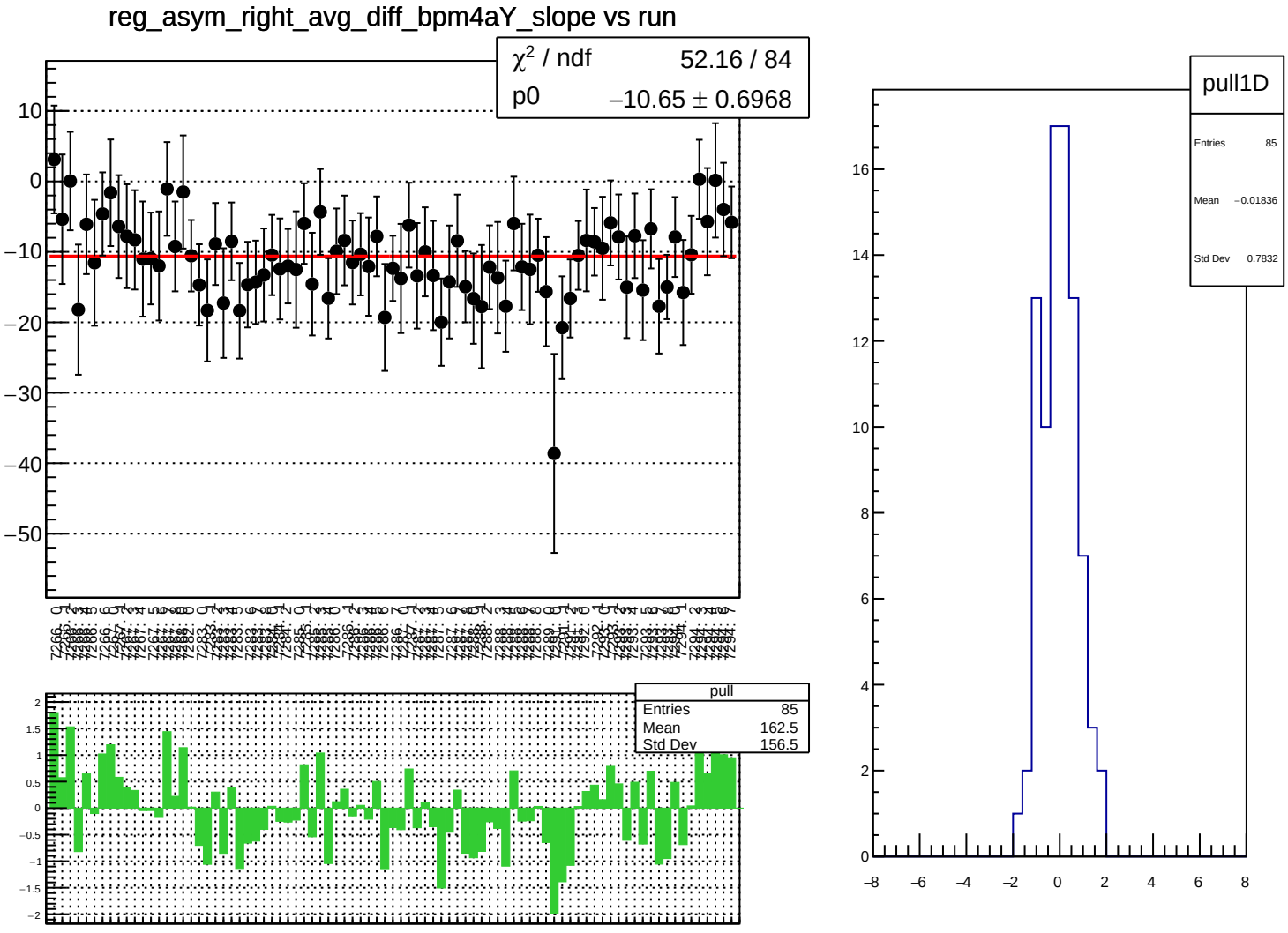

pull1D
Entries 85
Mean −0.008968
Std Dev 0.5426

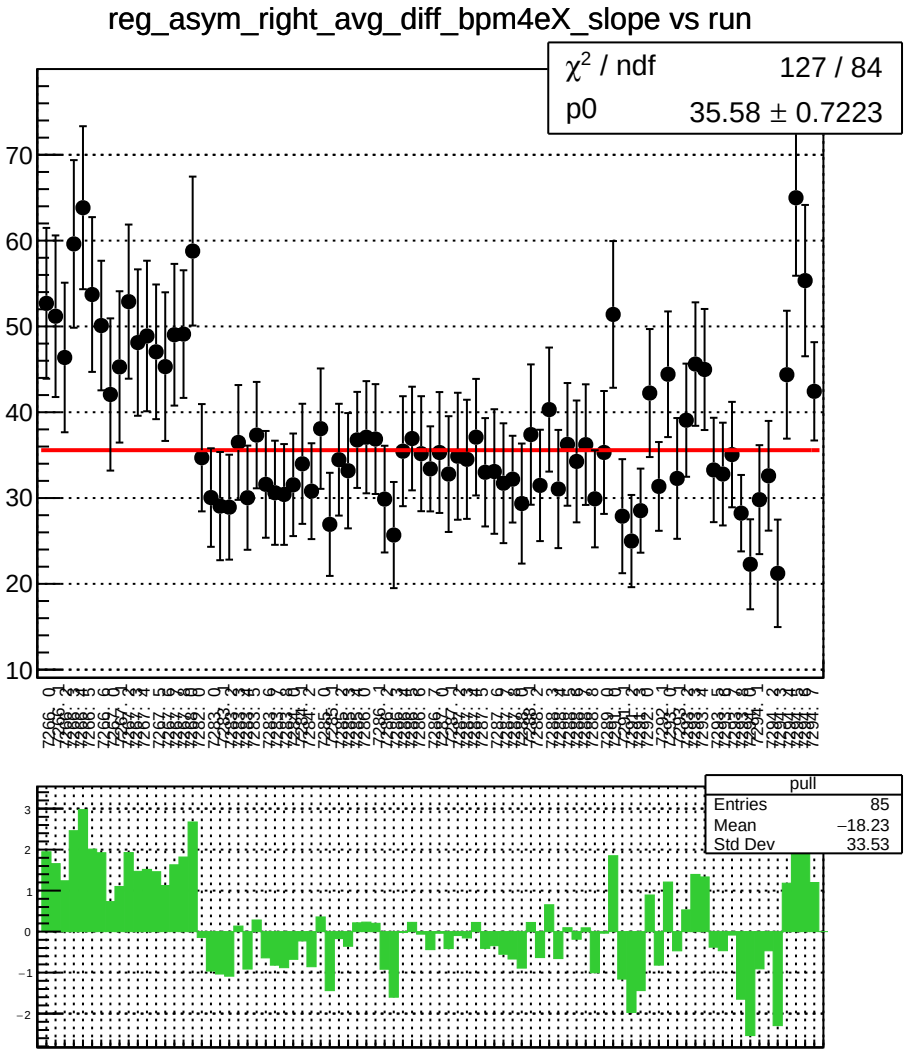

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 31.09 / 84
p0 8.143 ± 0.6919
pull
Entries 85
Mean −1759
Std Dev 1802
pull1D
Entries 85
Mean 0.001801
Std Dev 0.6048

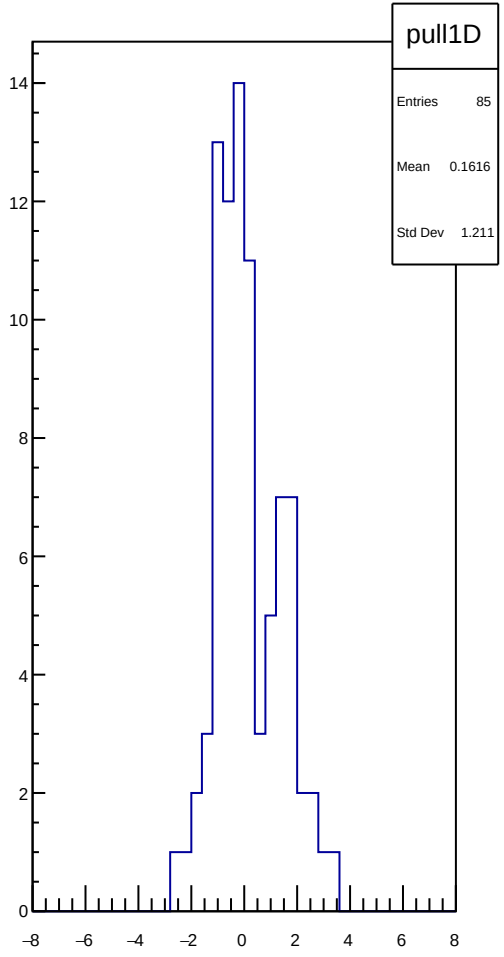

reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 141.9 / 84
p0 −18.59 ± 0.03327
pull
Entries 85
Mean −220.6
Std Dev 267.9
pull1D
Entries 85
Mean −0.05187
Std Dev 1.291

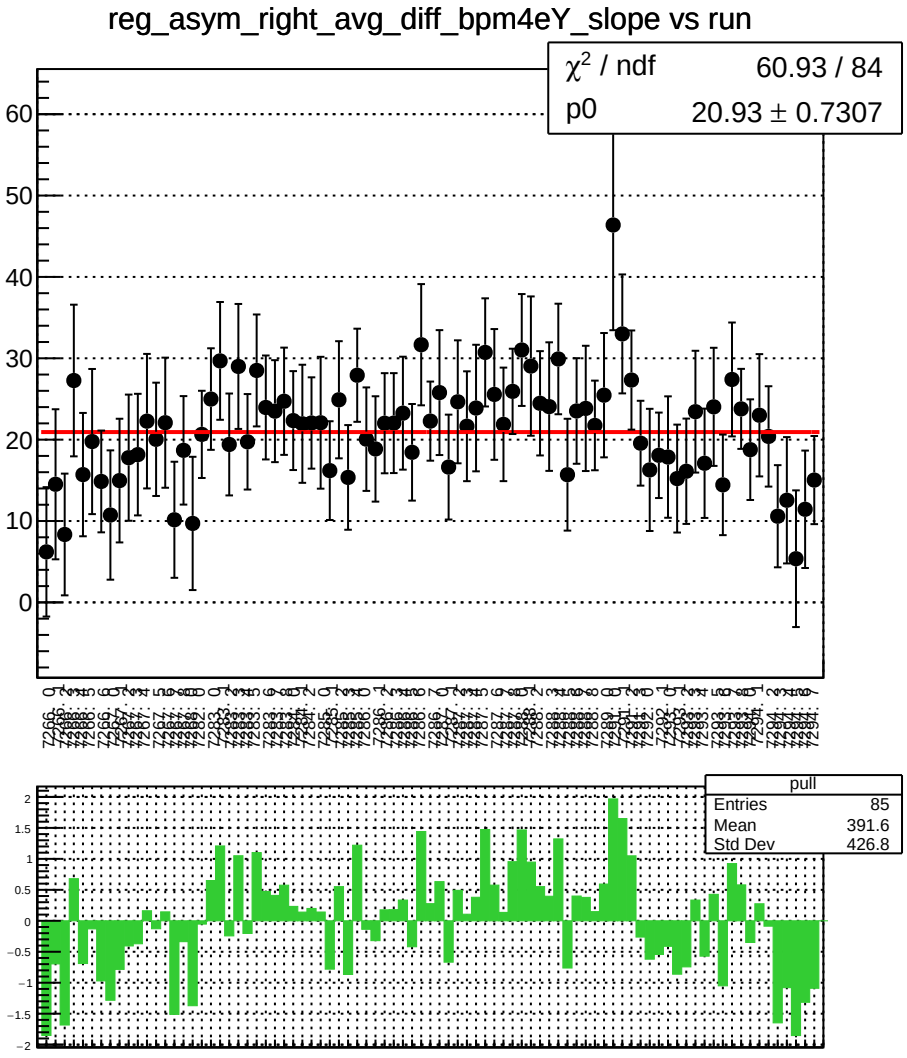

reg_asym_right_avg_diff_bpm1X_slope vs run
χ^2 / ndf 121.7 / 84
p0 −7.975 ± 0.7234
pull
Entries 85
Mean −26.37
Std Dev 40.81

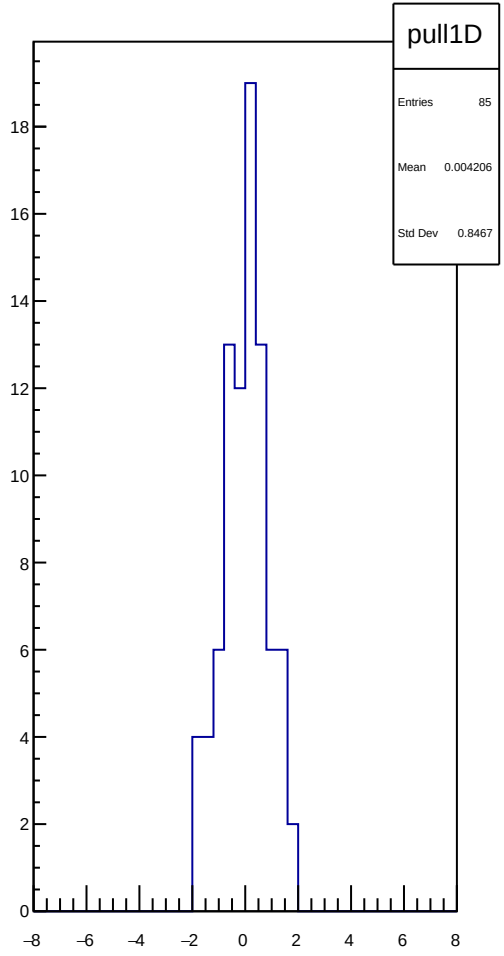

pull1D
Entries 85
Mean −0.1307
Std Dev 1.189

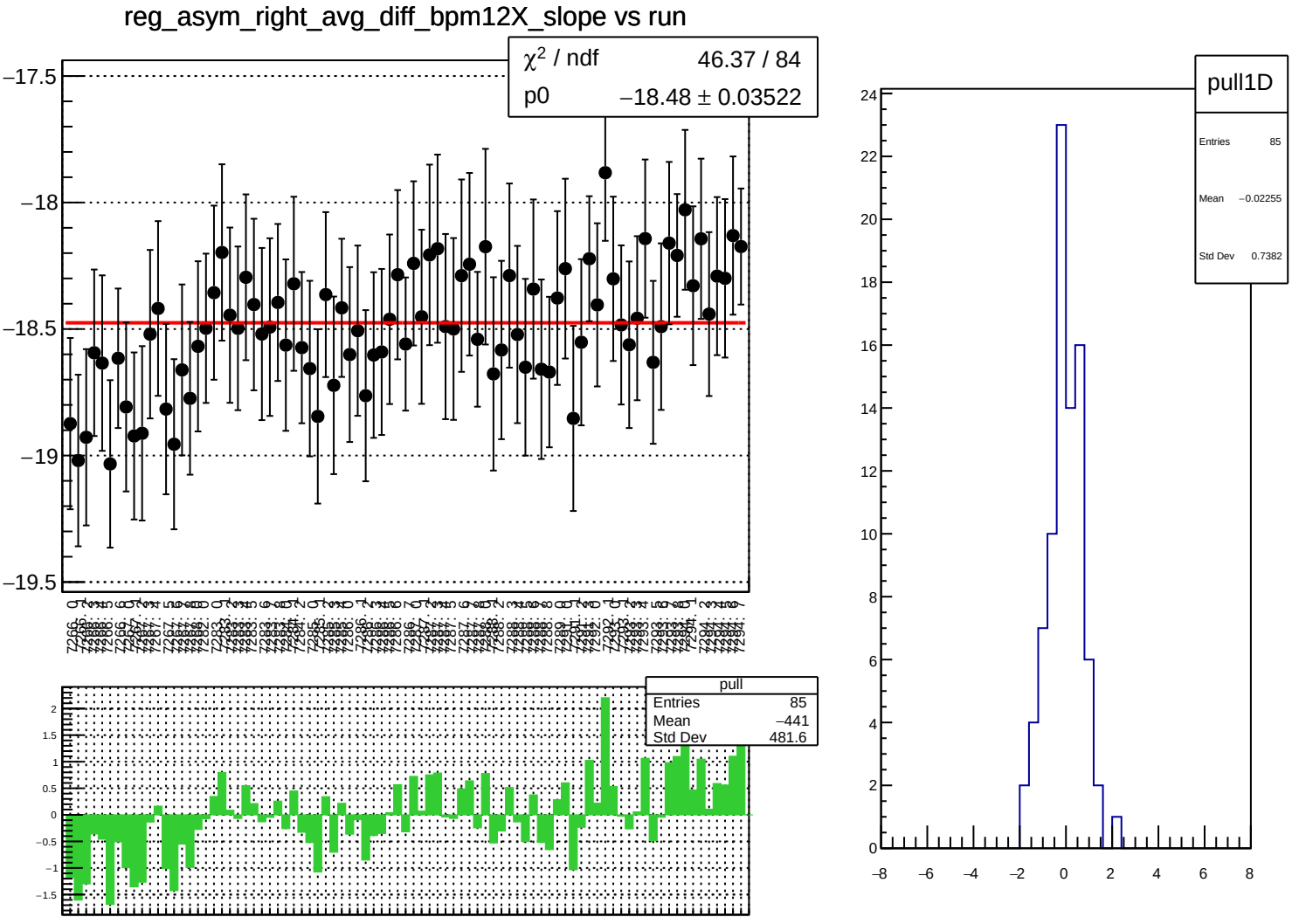

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 52.16 / 84
p0 −10.65 ± 0.6968
pull
Entries 85
Mean 162.5
Std Dev 156.5
pull1D
Entries 85
Mean −0.01836
Std Dev 0.7832

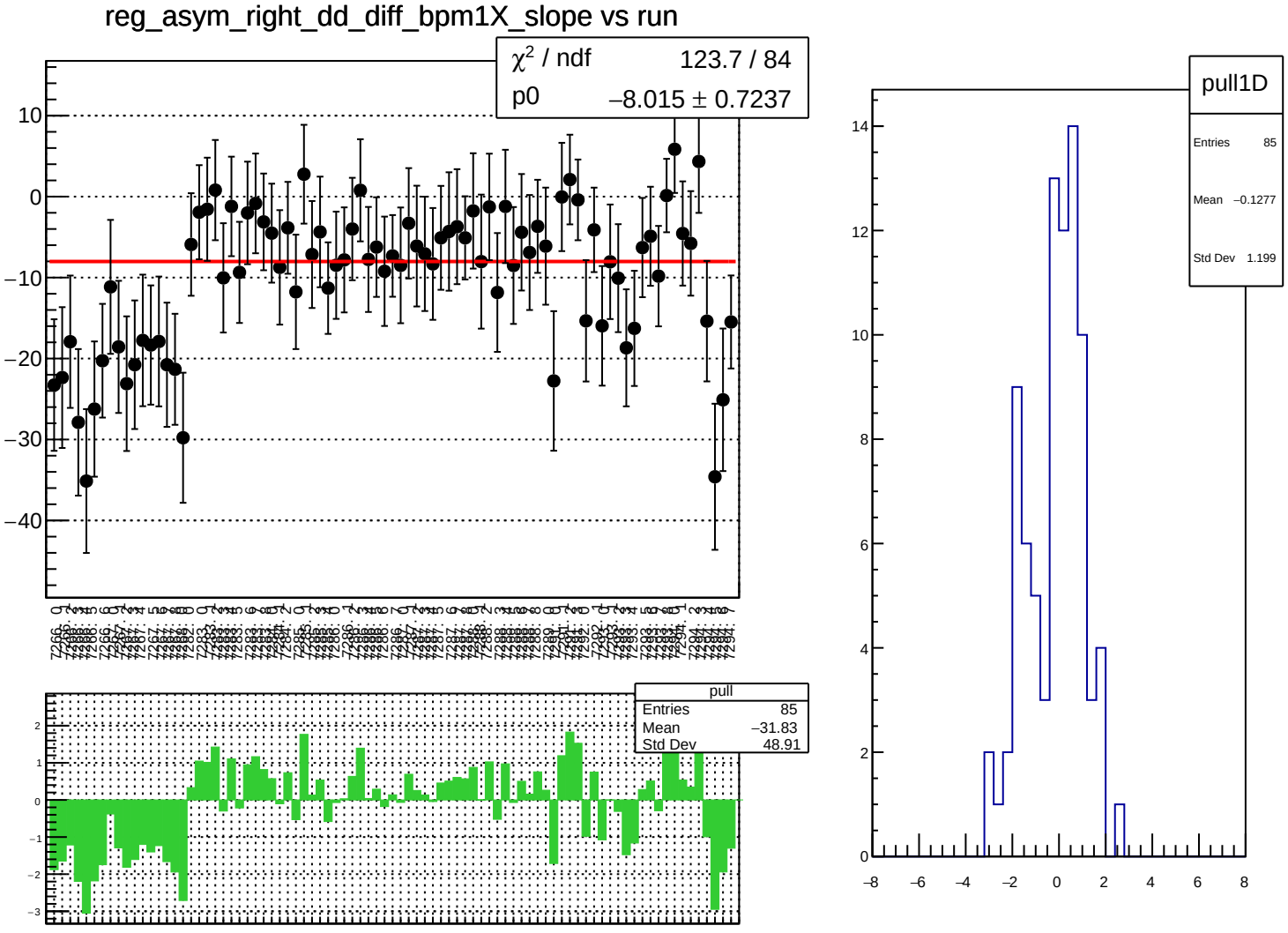

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 127 / 84
p0 35.58 ± 0.7223
pull
Entries 85
Mean −18.23
Std Dev 33.53

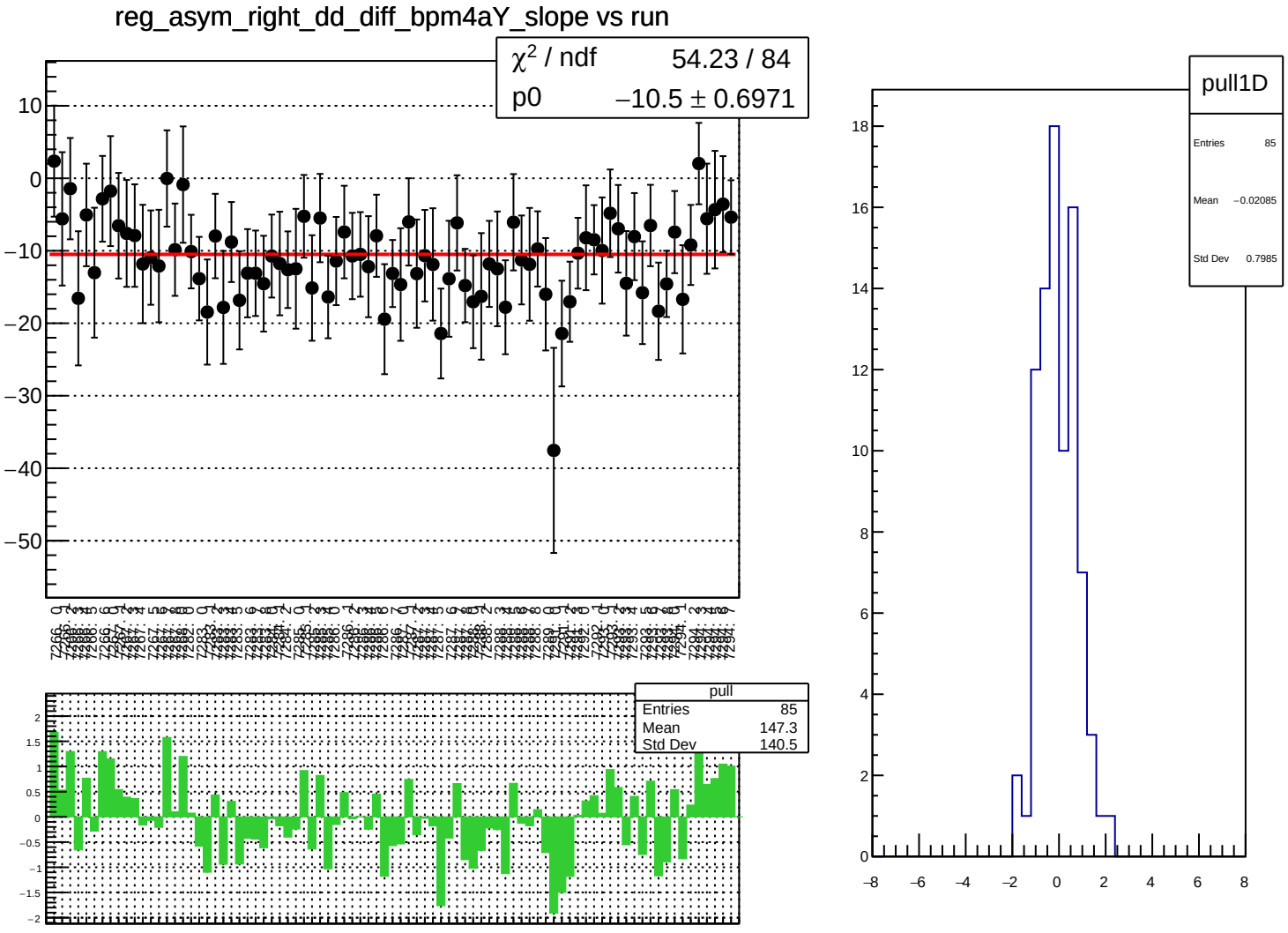

pull1D
Entries 85
Mean 0.1616
Std Dev 1.211

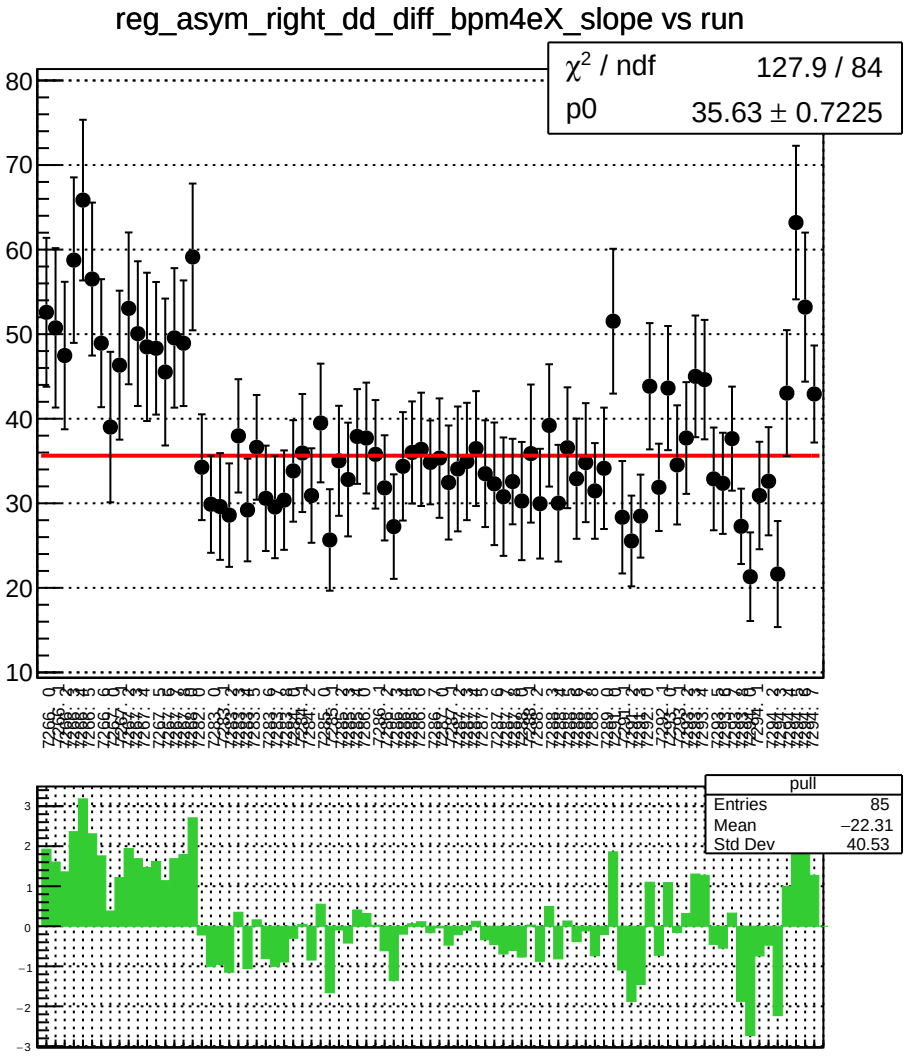

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 60.93 / 84
p0 20.93 ± 0.7307
pull
Entries 85
Mean 391.6
Std Dev 426.8

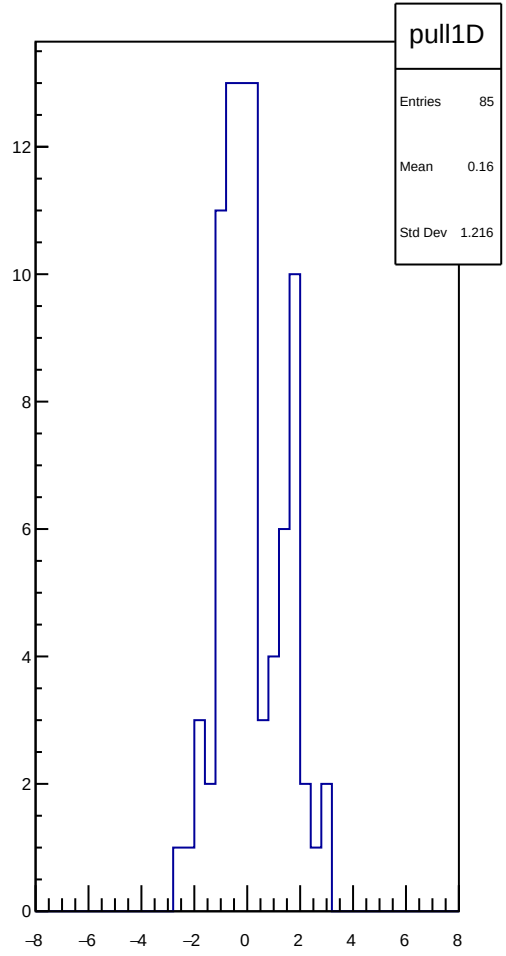

pull1D
Entries 85
Mean 0.004206
Std Dev 0.8467

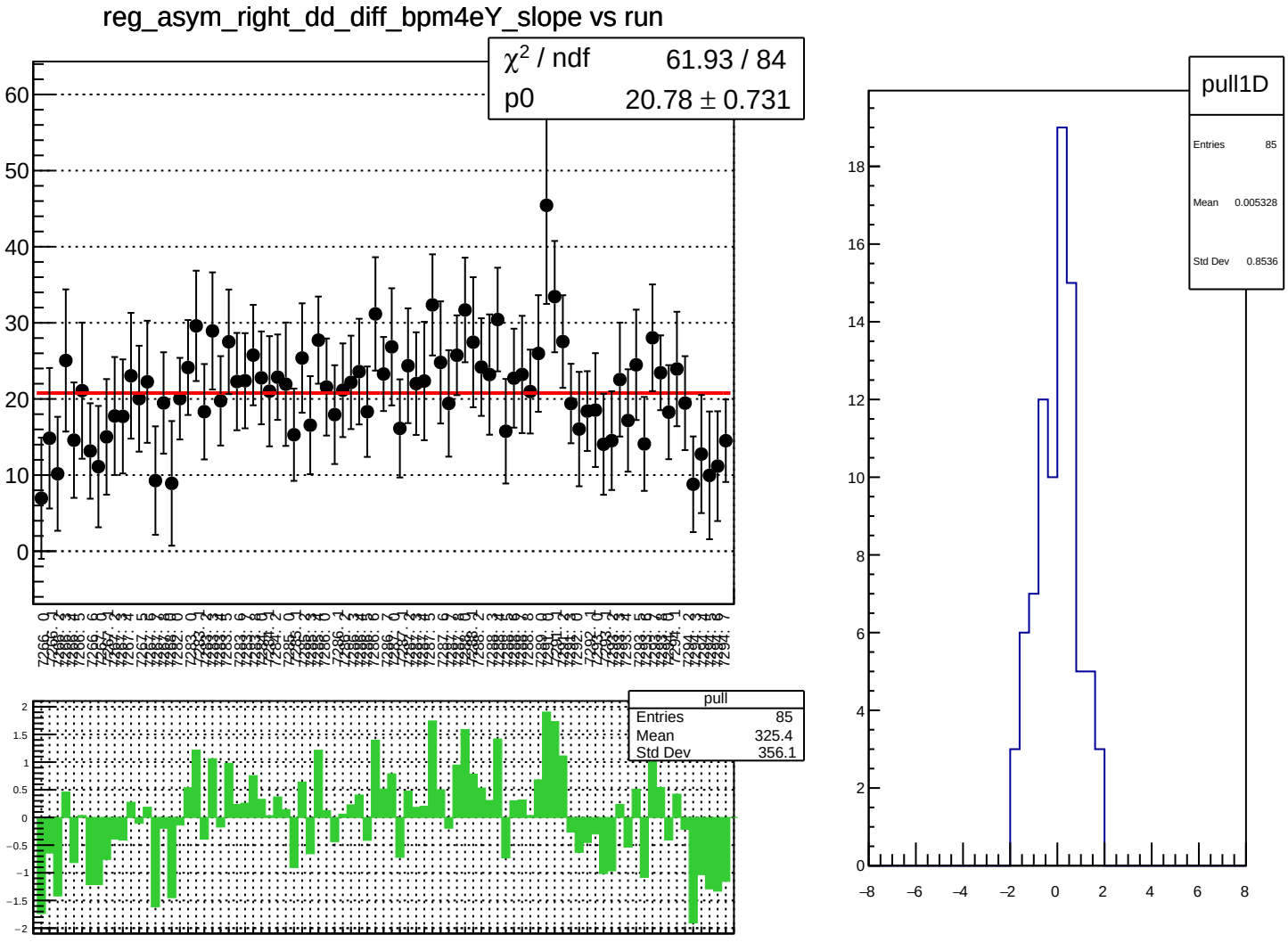

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 46.37 / 84
p0 −18.48 ± 0.03522
pull
Entries 85
Mean −441
Std Dev 481.6
pull1D
Entries 85
Mean −0.02255
Std Dev 0.7382

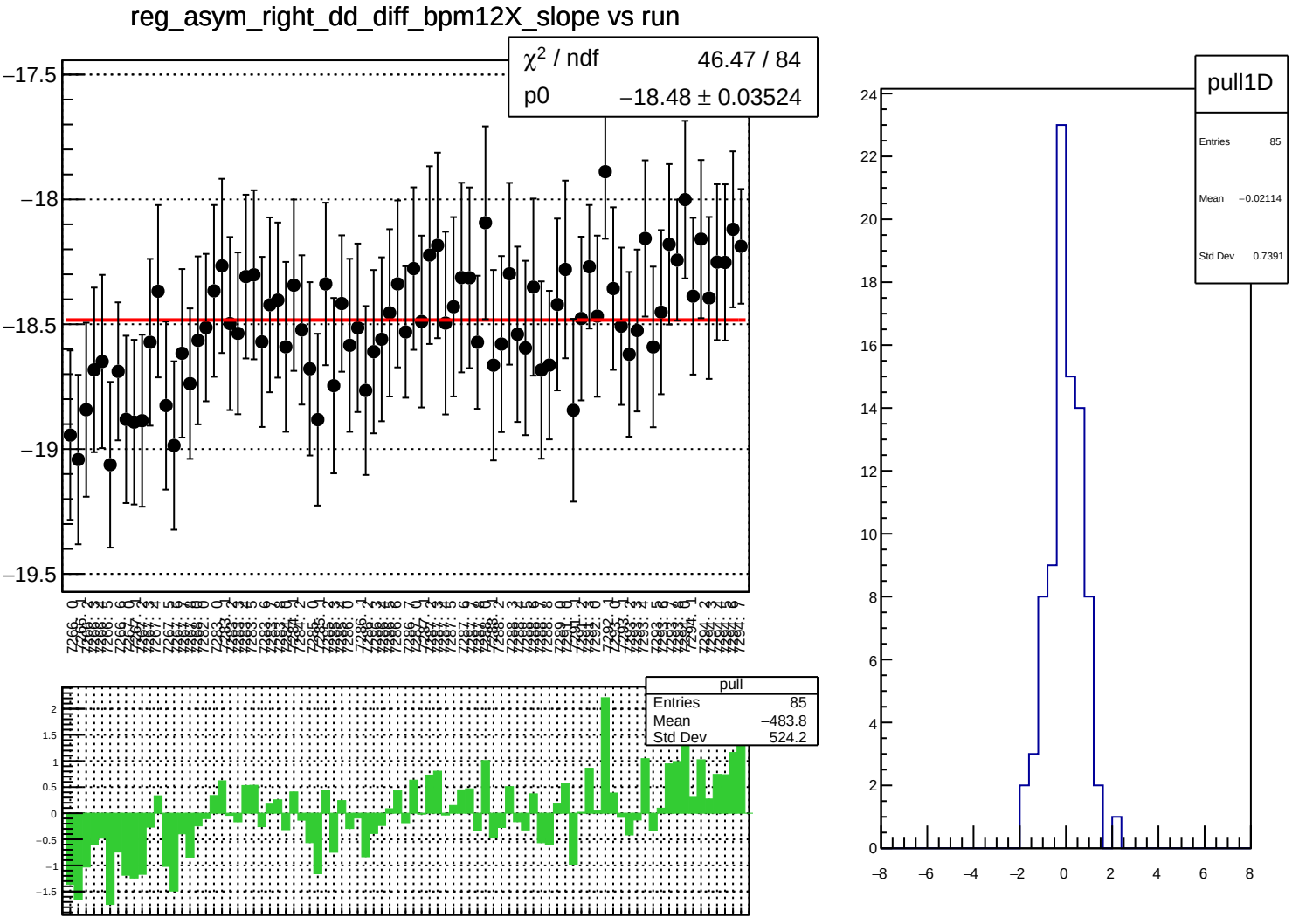

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 123.7 / 84
p0 −8.015 ± 0.7237
pull
Entries 85
Mean −31.83
Std Dev 48.91
pull1D
Entries 85
Mean −0.1277
Std Dev 1.199

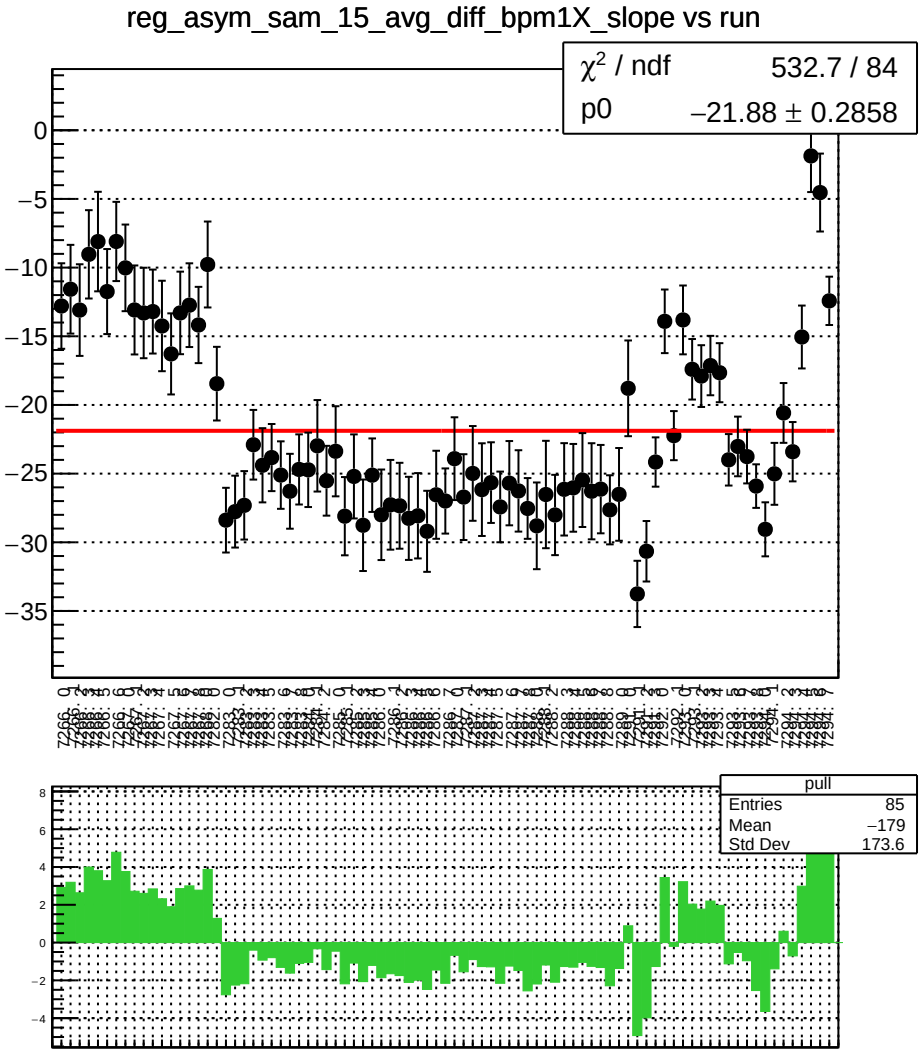

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 54.23 / 84
p0 −10.5 ± 0.6971
pull
Entries 85
Mean 147.3
Std Dev 140.5
pull1D
Entries 85
Mean −0.02085
Std Dev 0.7985

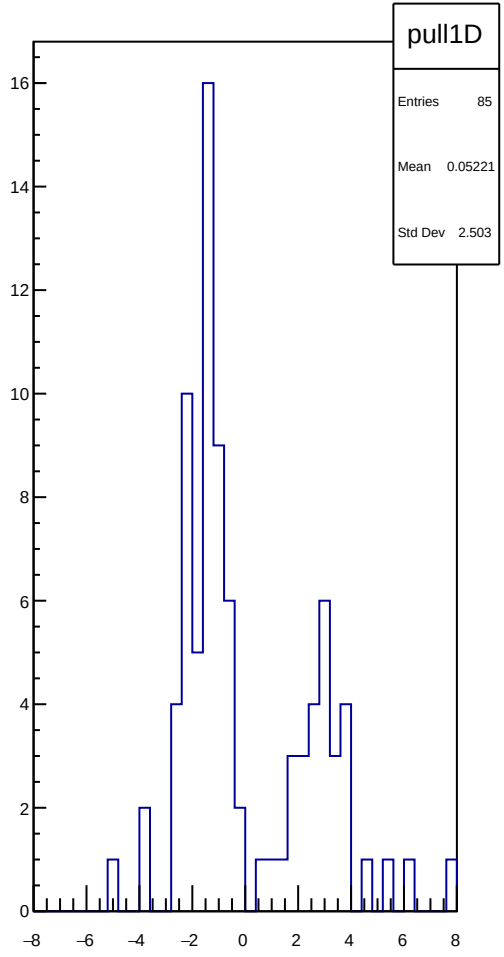

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 127.9 / 84
p0 35.63 ± 0.7225
pull
Entries 85
Mean −22.31
Std Dev 40.53

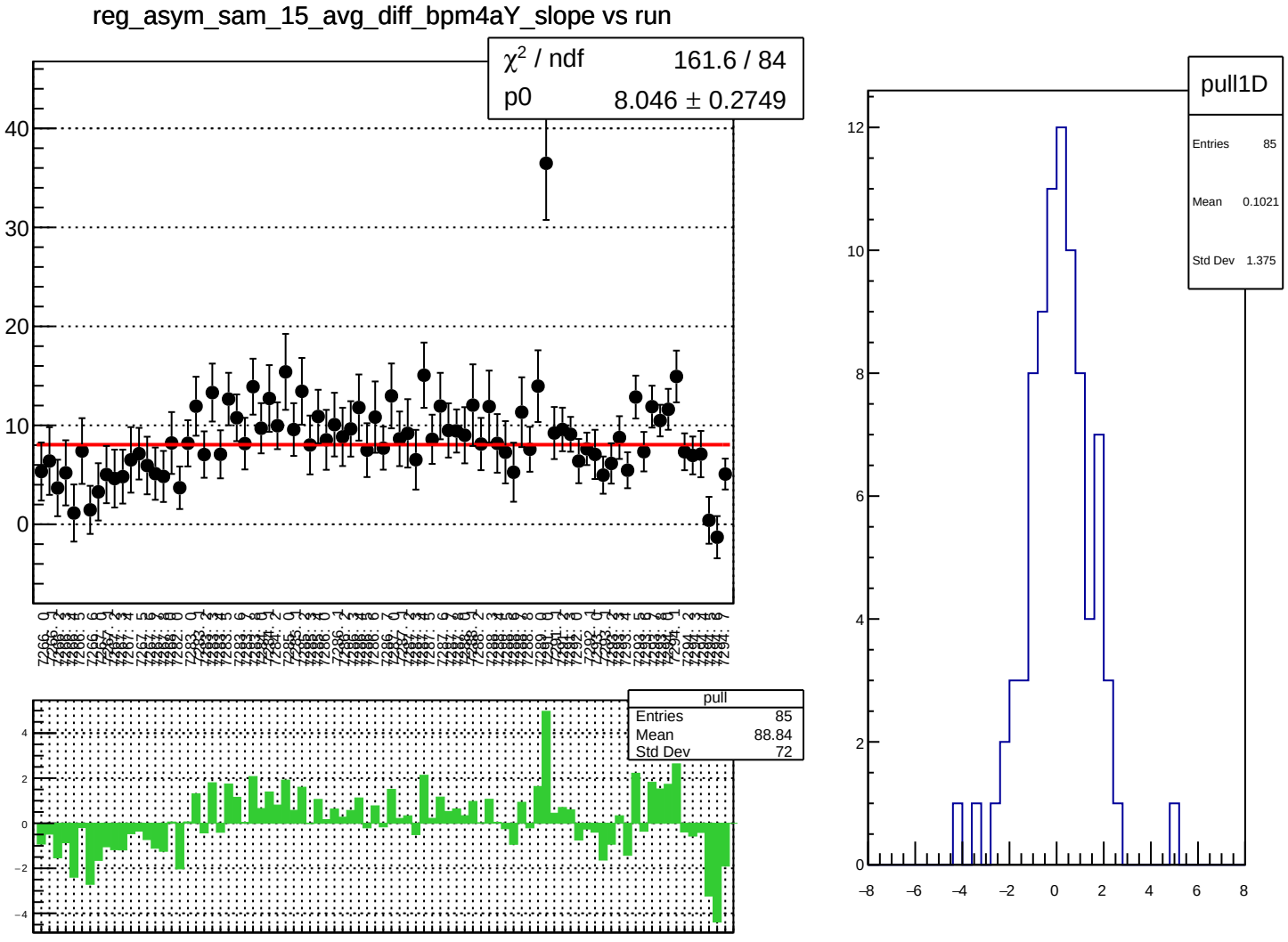

pull1D
Entries 85
Mean 0.16
Std Dev 1.216


reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 61.93 / 84
p0 20.78 ± 0.731
pull
Entries 85
Mean 325.4
Std Dev 356.1
pull1D
Entries 85
Mean 0.005328
Std Dev 0.8536

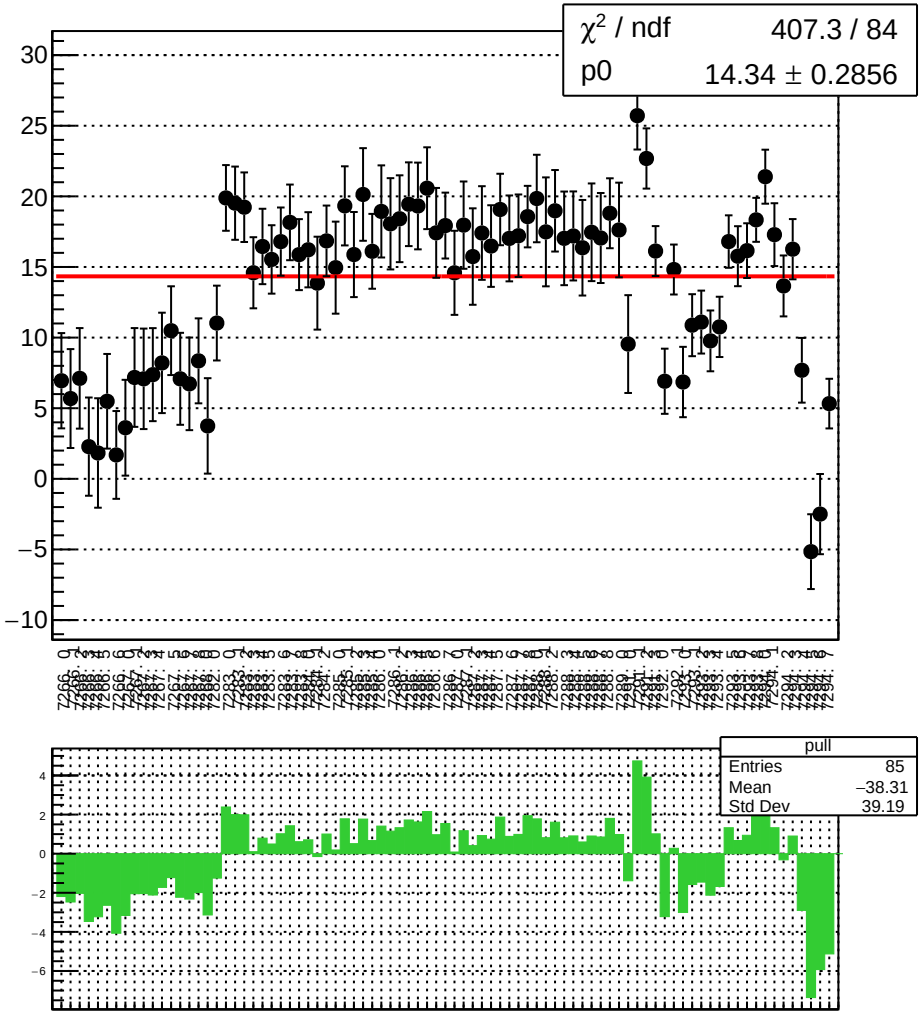

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 46.47 / 84
p0 −18.48 ± 0.03524
−17.5
−18
−18.5
−19
−19.5
pull
Entries 85
Mean −483.8
Std Dev 524.2
pull1D
Entries 85
Mean −0.02114
Std Dev 0.7391

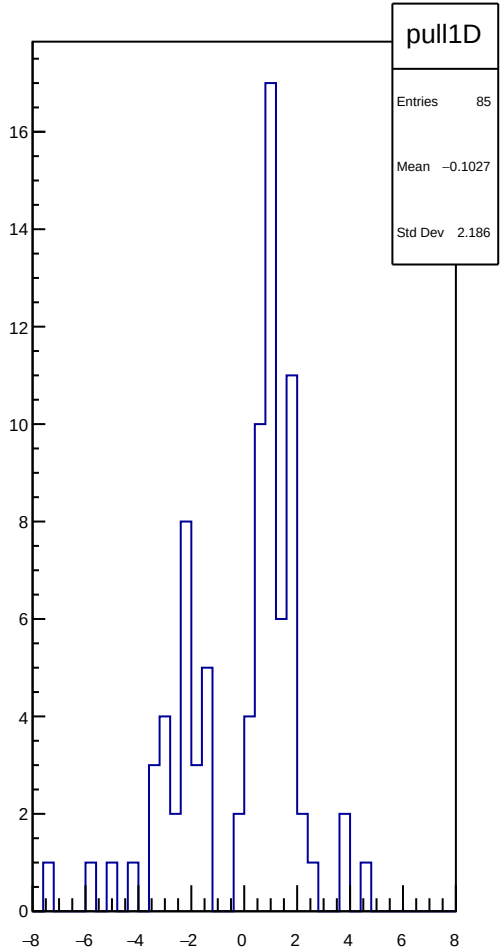

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 532.7 / 84
p0 −21.88 ± 0.2858
pull
Entries 85
Mean −179
Std Dev 173.6


pull1D
Entries 85
Mean 0.05221
Std Dev 2.503

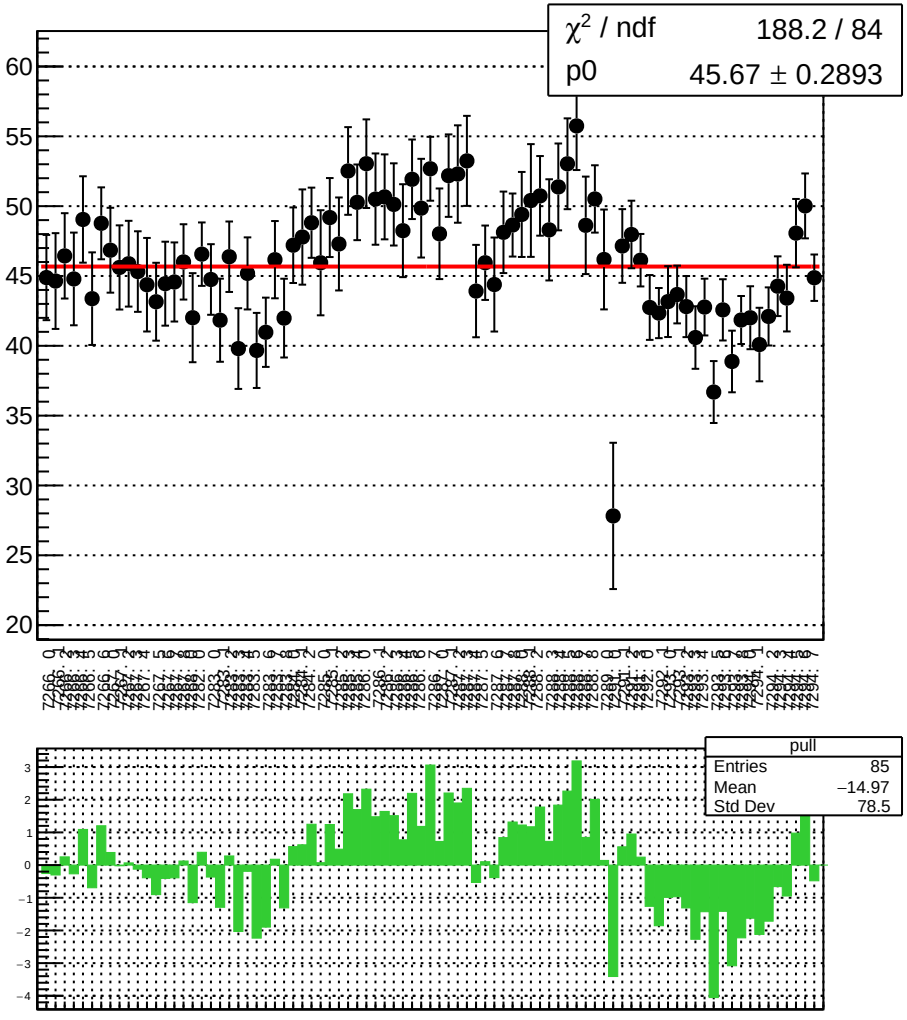

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 161.6 / 84
p0 8.046 ± 0.2749
pull
Entries 85
Mean 88.84
Std Dev 72
pull1D
Entries 85
Mean 0.1021
Std Dev 1.375

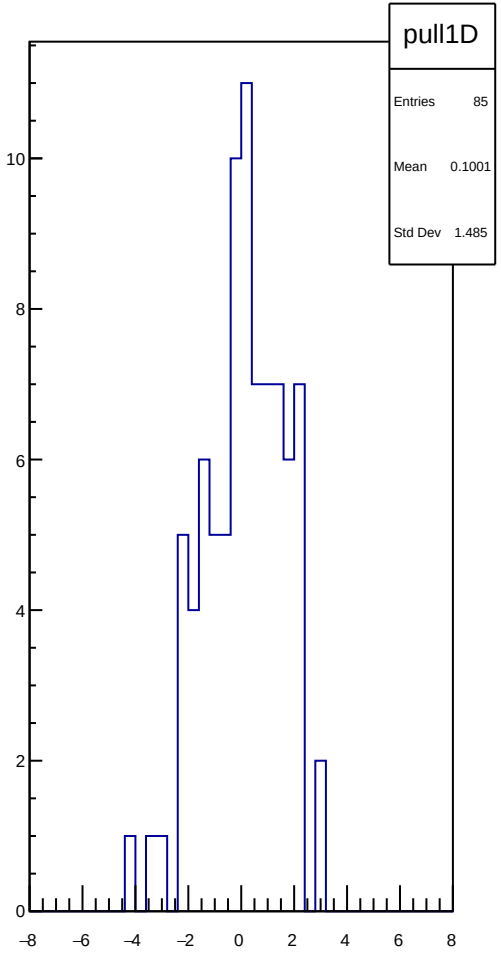
reg_asym_sam_15_avg_diff_bpm4eX_slope vs run

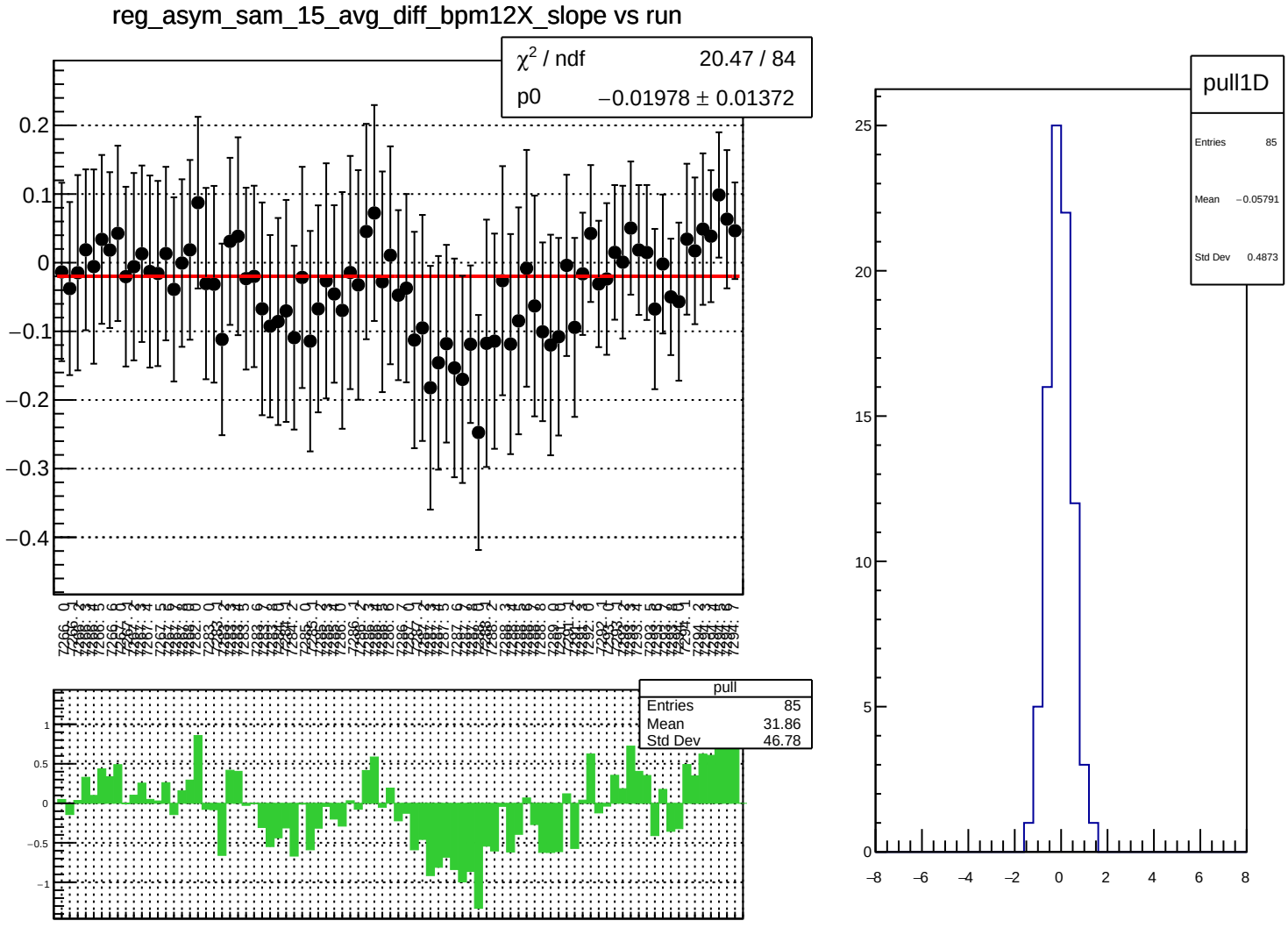


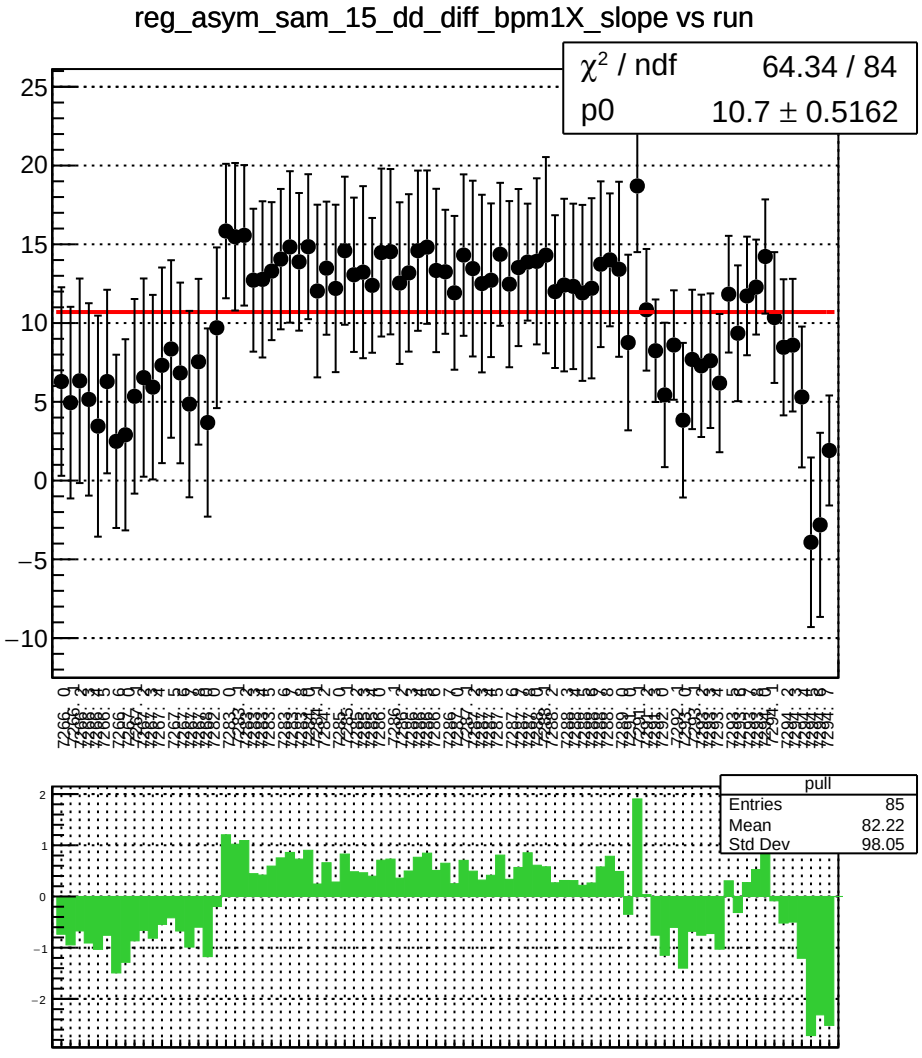


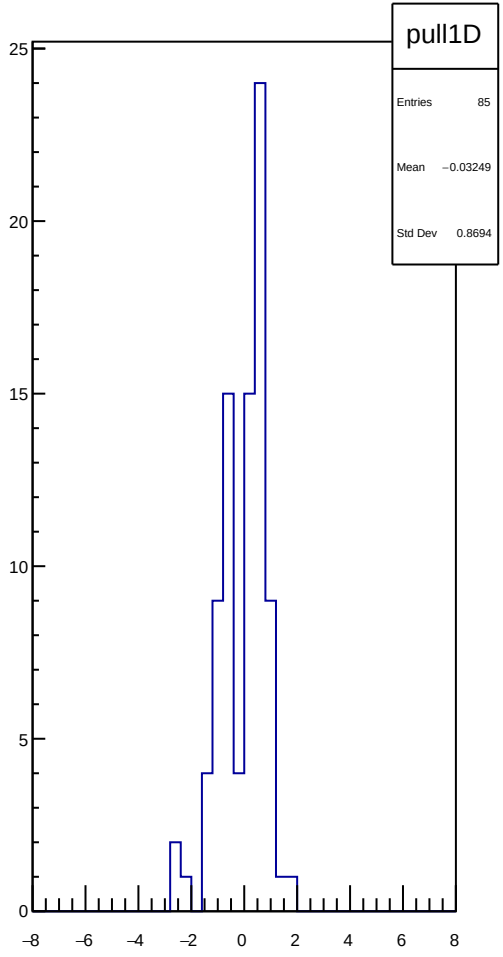
reg_asym_sam_15_avg_diff_bpm4eY_slope vs run

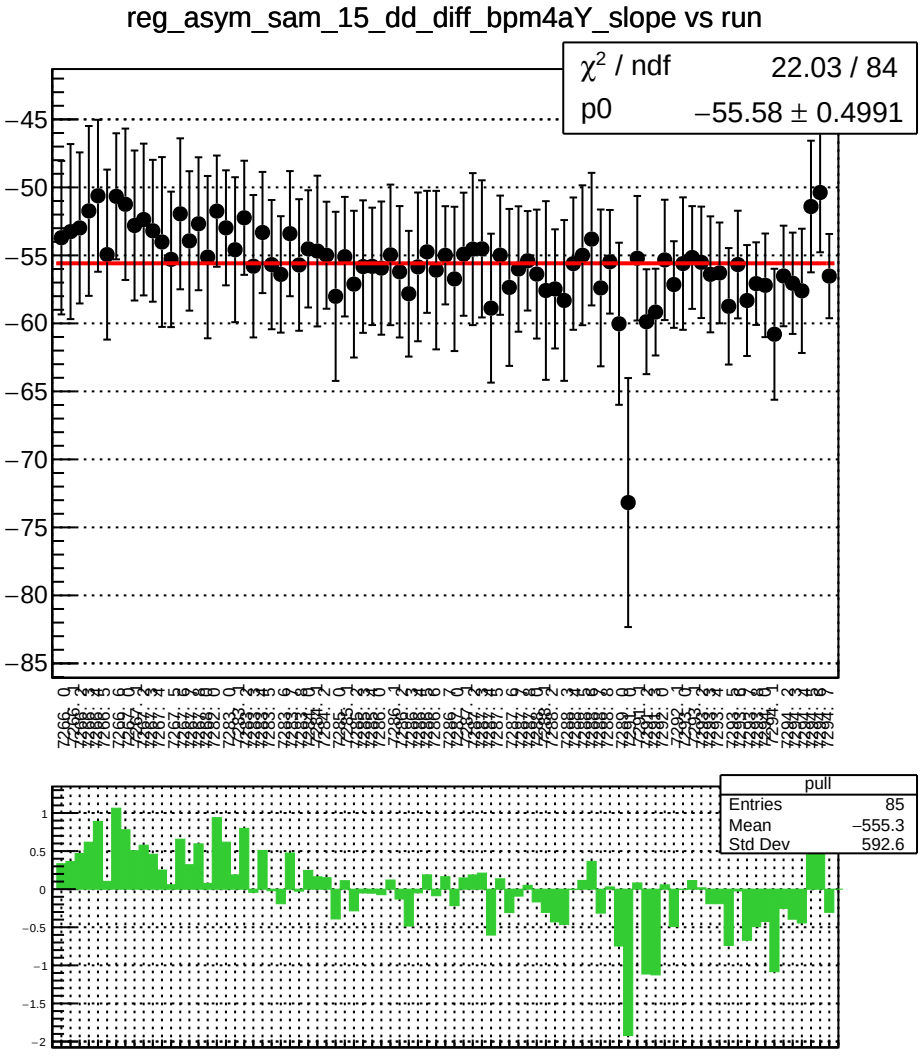


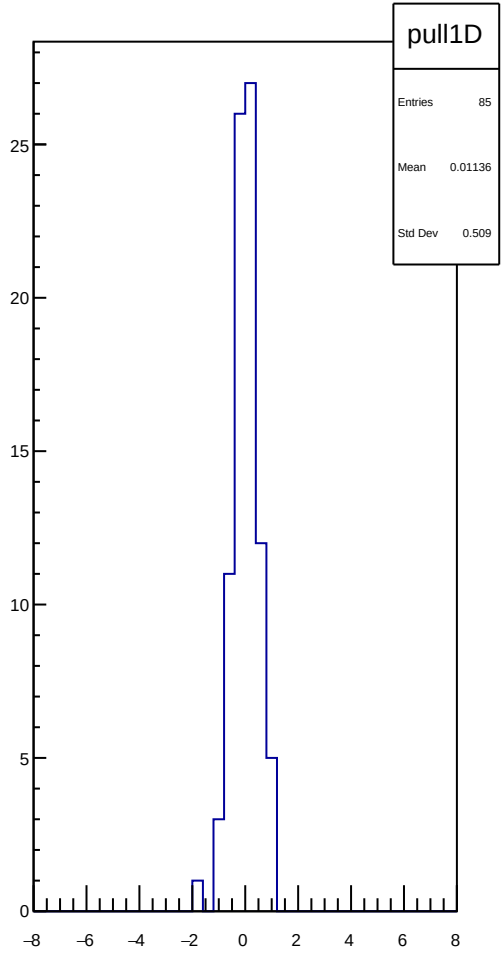


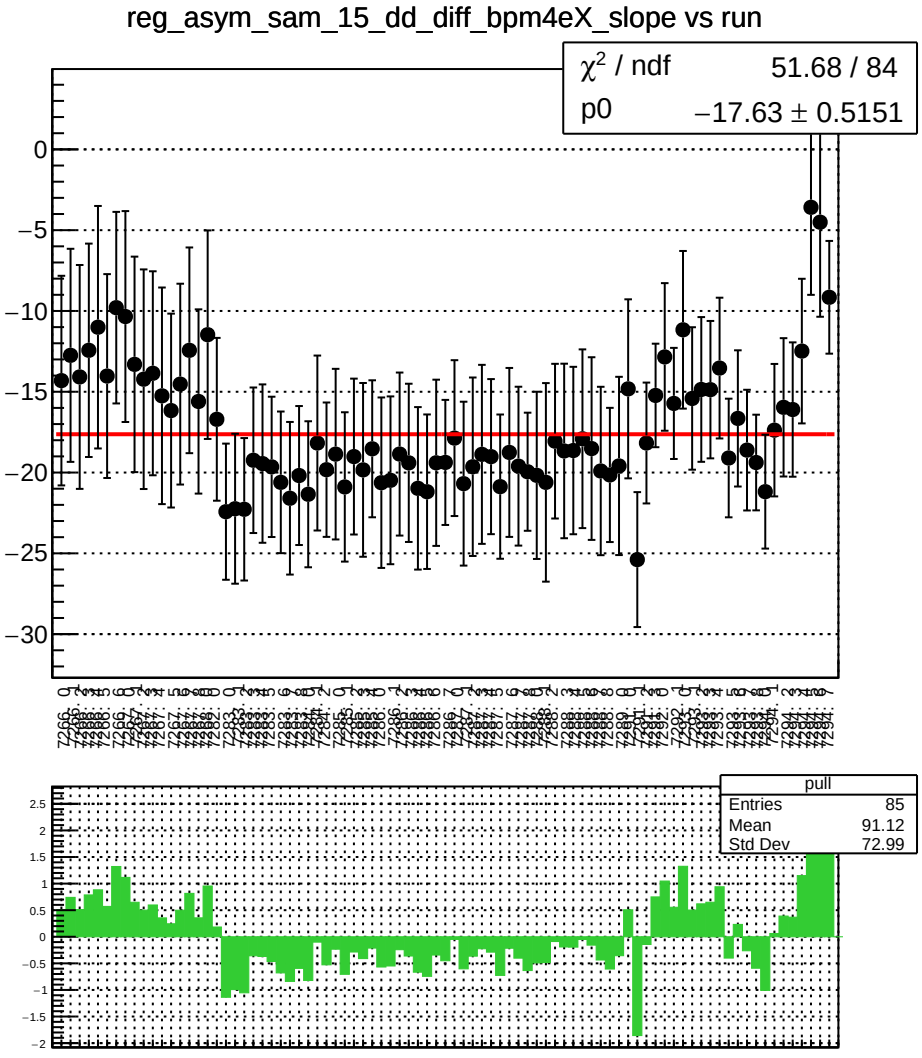

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 20.47 / 84
p0 −0.01978 ± 0.01372
pull
Entries 85
Mean 31.86
Std Dev 46.78
pull1D
Entries 85
Mean −0.05791
Std Dev 0.4873

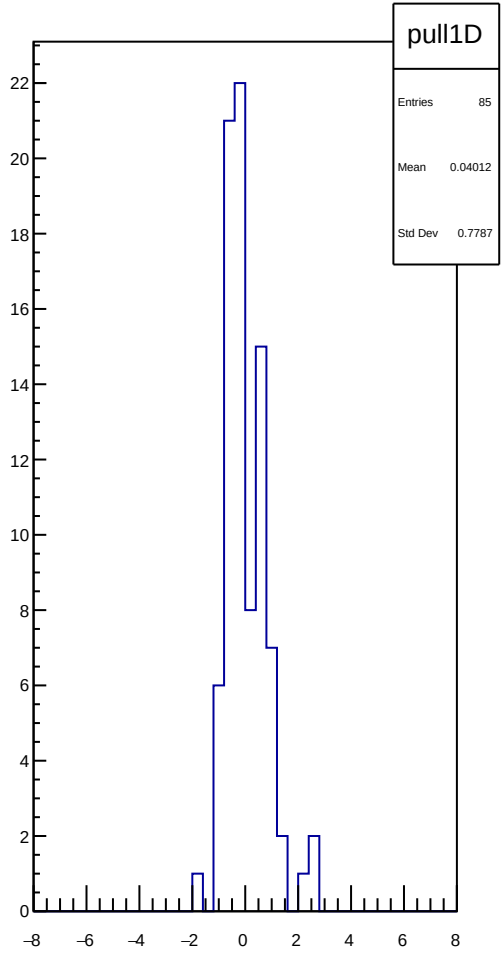

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 64.34 / 84
p0 10.7 ± 0.5162
pull
Entries 85
Mean 82.22
Std Dev 98.05

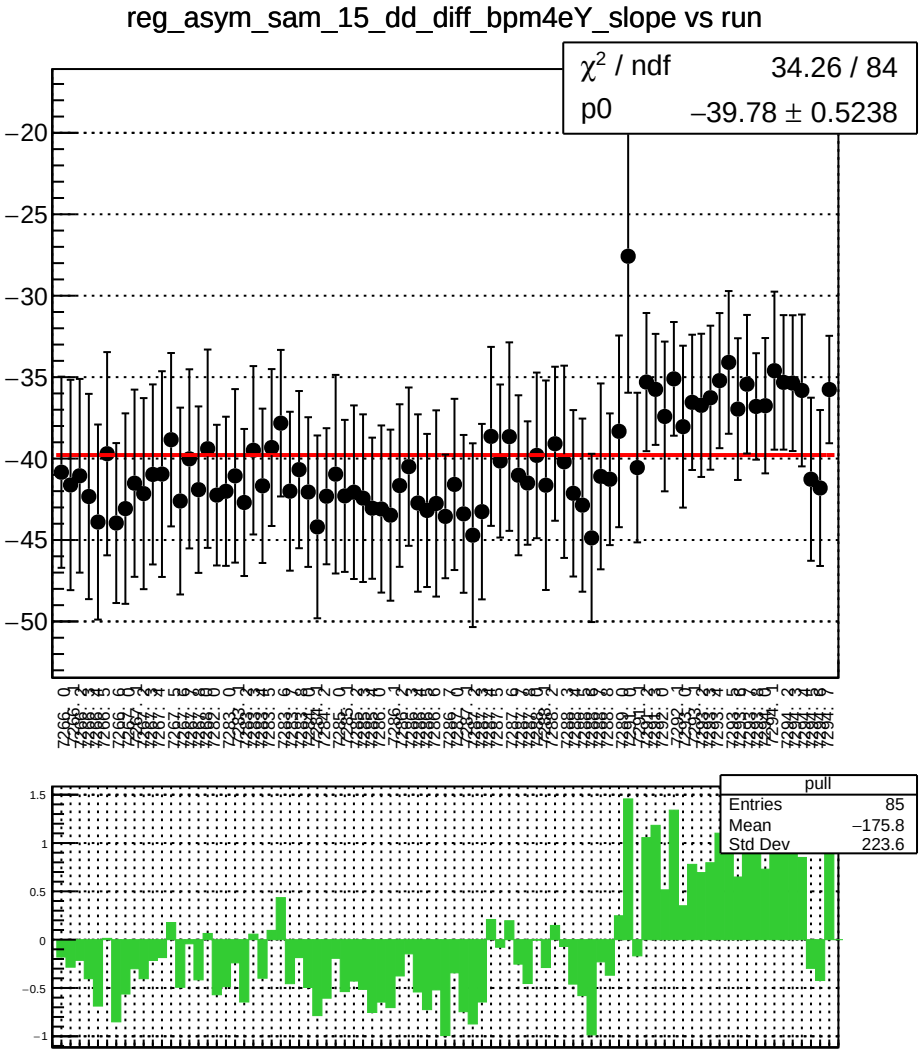

pull1D
Entries 85
Mean −0.03249
Std Dev 0.8694

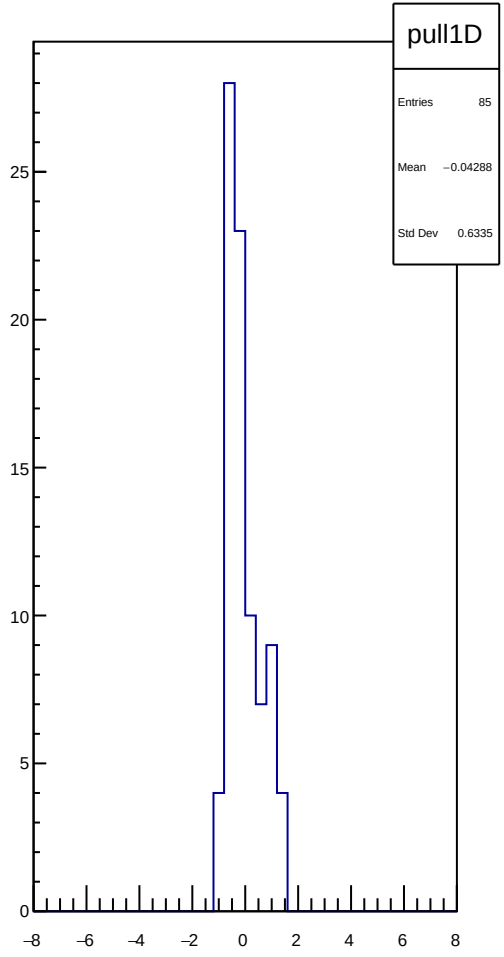

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 22.03 / 84
p0 −55.58 ± 0.4991
pull
Entries 85
Mean −555.3
Std Dev 592.6

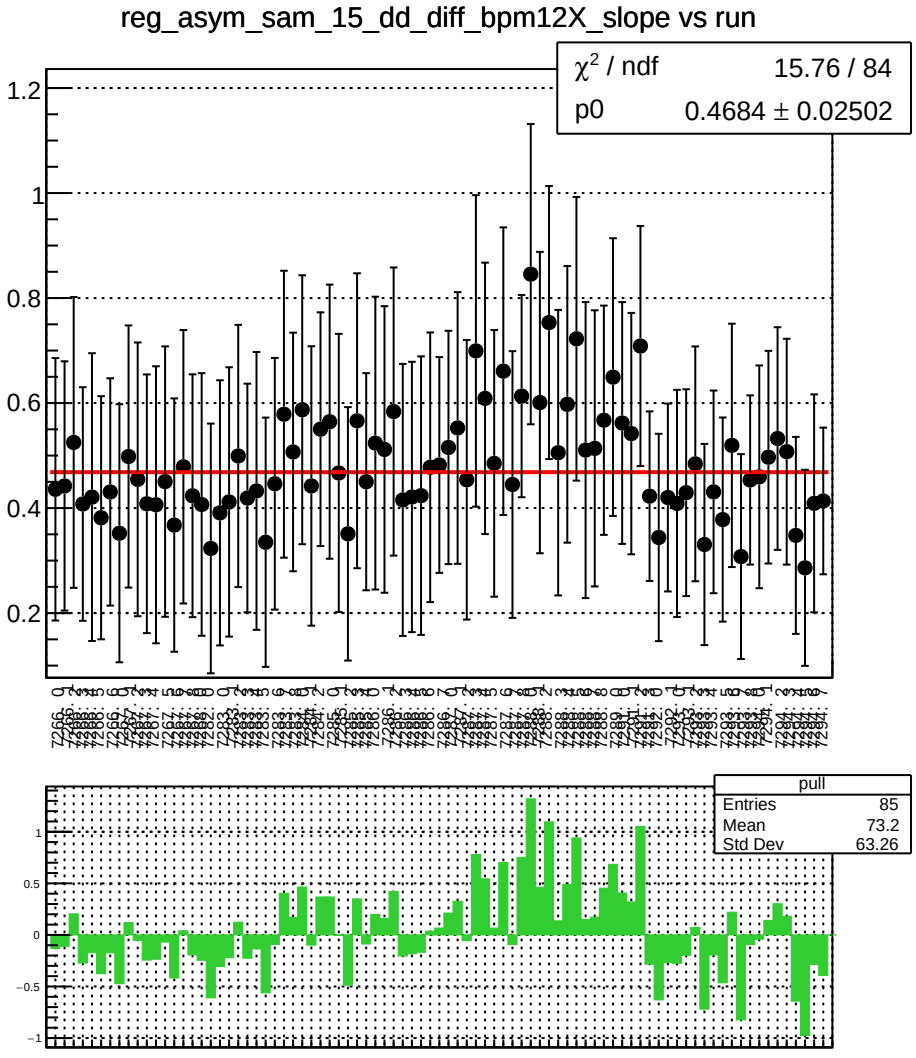

pull1D
Entries 85
Mean 0.01136
Std Dev 0.509

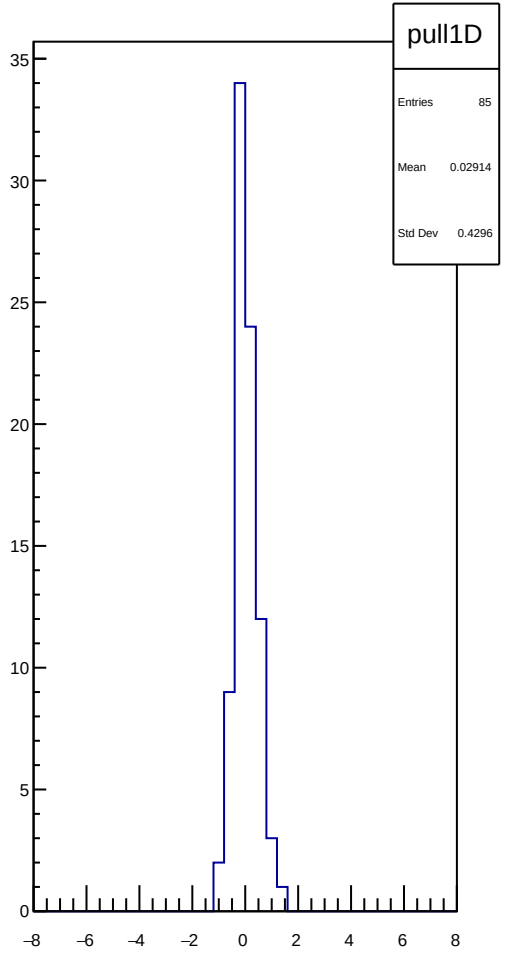

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.68 / 84
p0 −17.63 ± 0.5151
pull
Entries 85
Mean 91.12
Std Dev 72.99

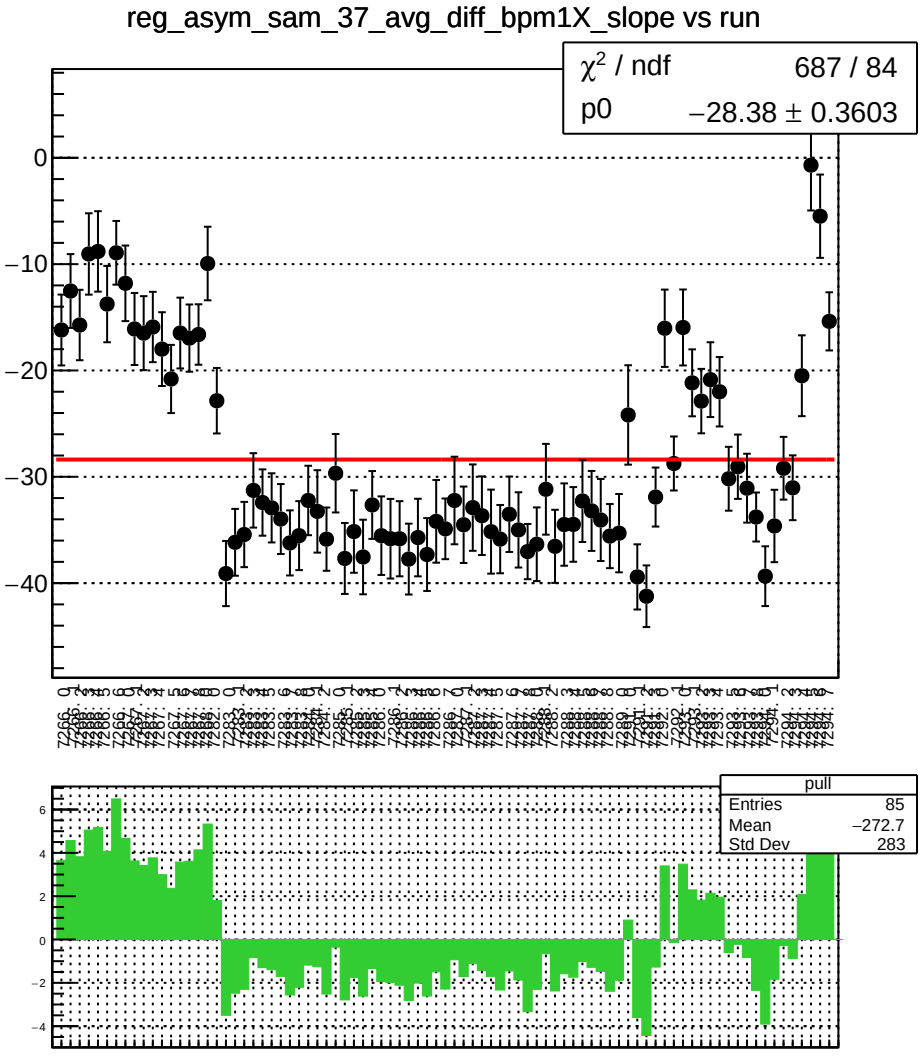

pull1D
Entries 85
Mean 0.04012
Std Dev 0.7787

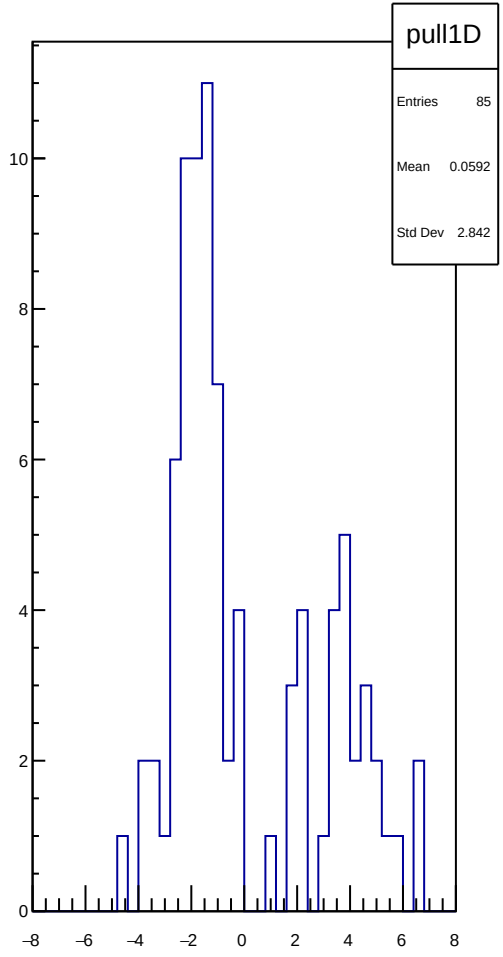

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.26 / 84
p0 −39.78 ± 0.5238
pull
Entries 85
Mean −175.8
Std Dev 223.6

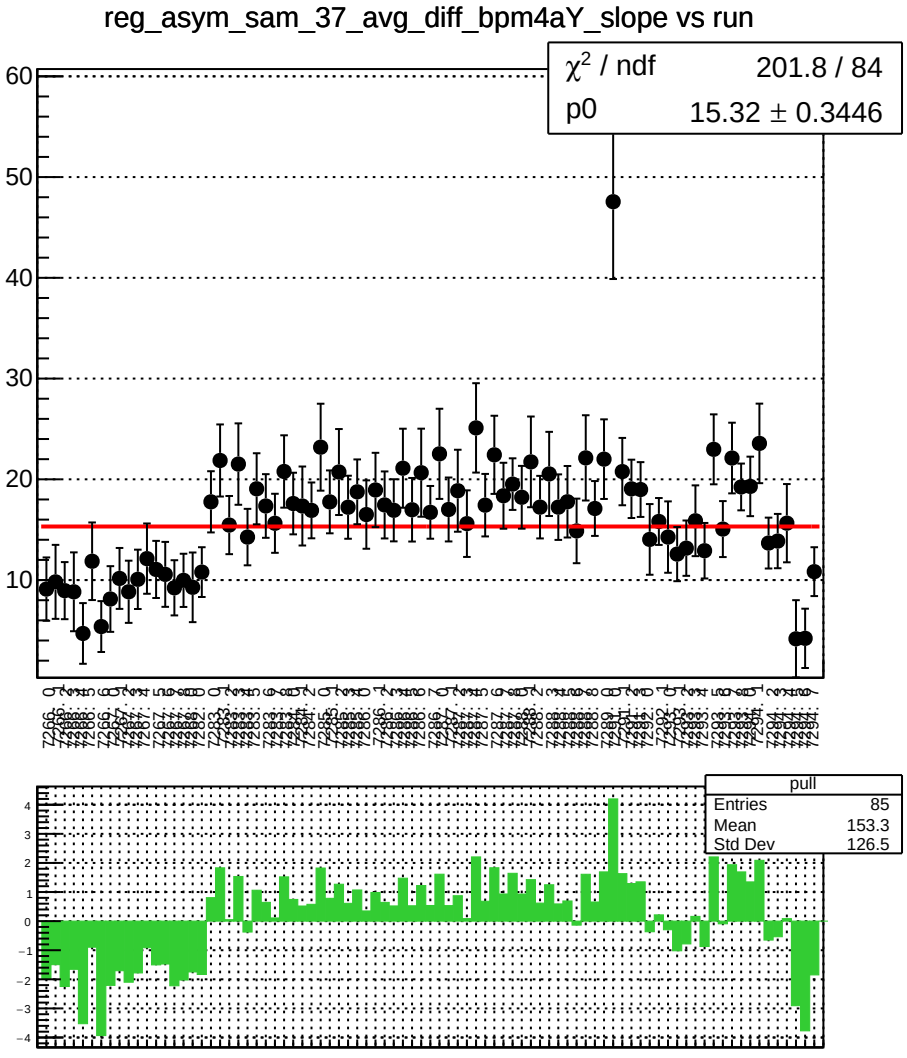

pull1D
Entries 85
Mean −0.04288
Std Dev 0.6335

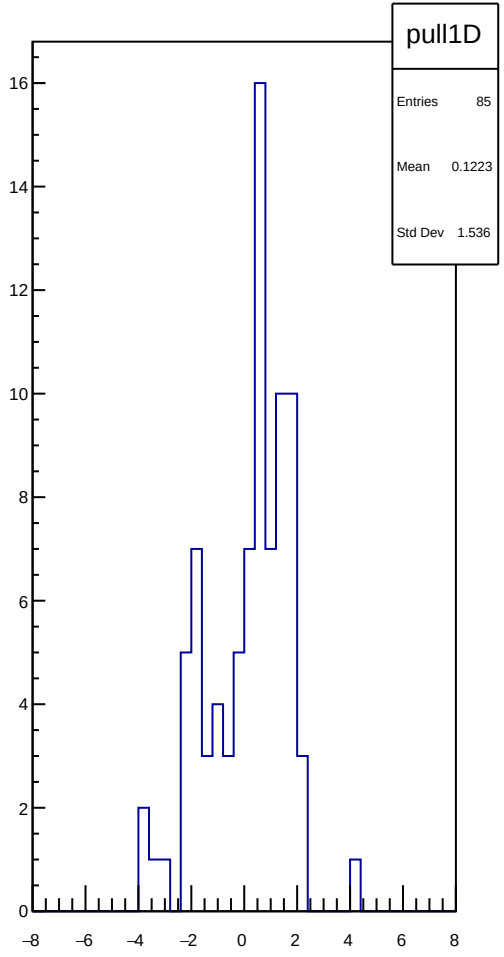

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 15.76 / 84
p0 0.4684 ± 0.02502
pull
Entries 85
Mean 73.2
Std Dev 63.26

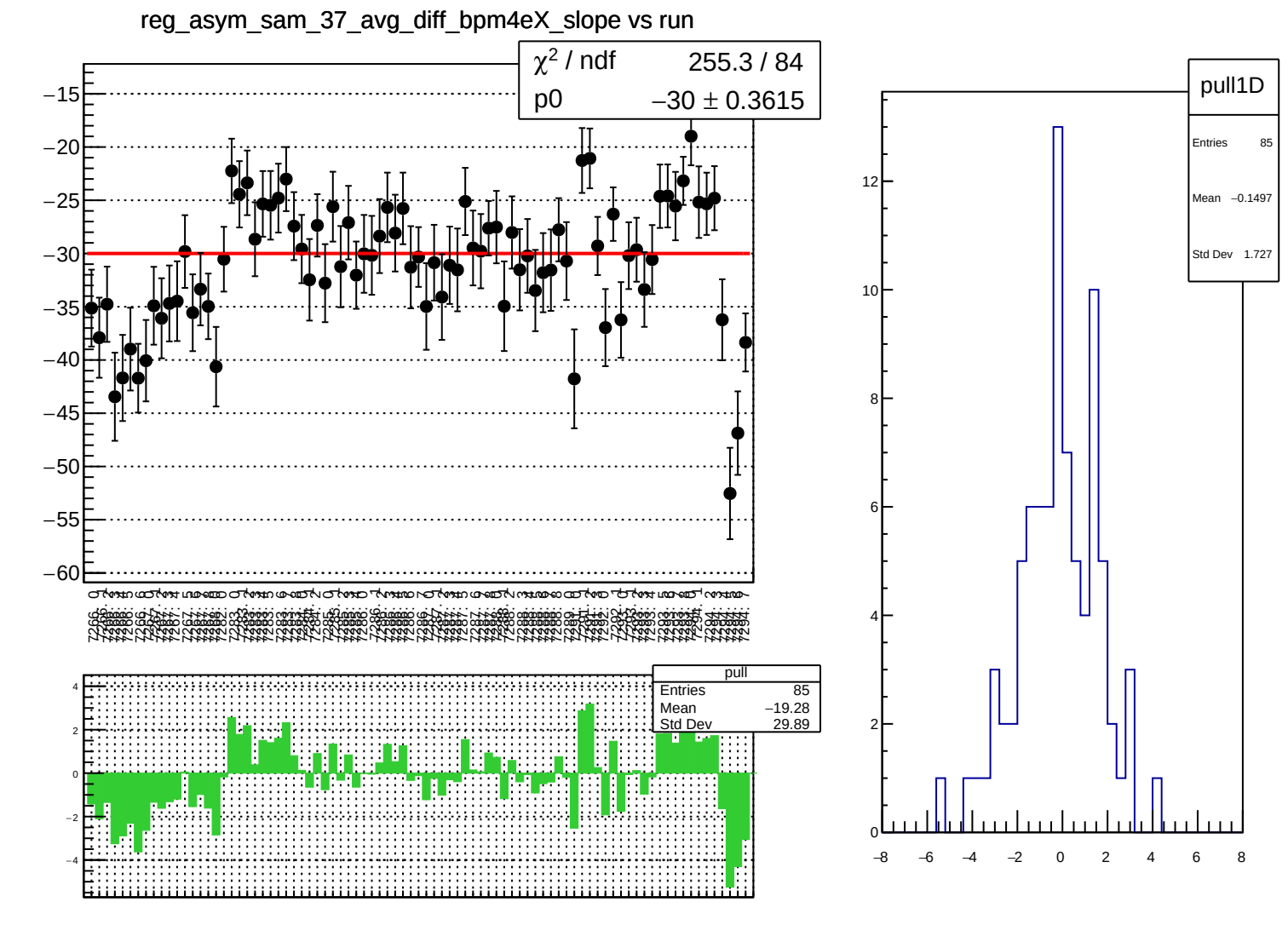

pull1D
Entries 85
Mean 0.02914
Std Dev 0.4296

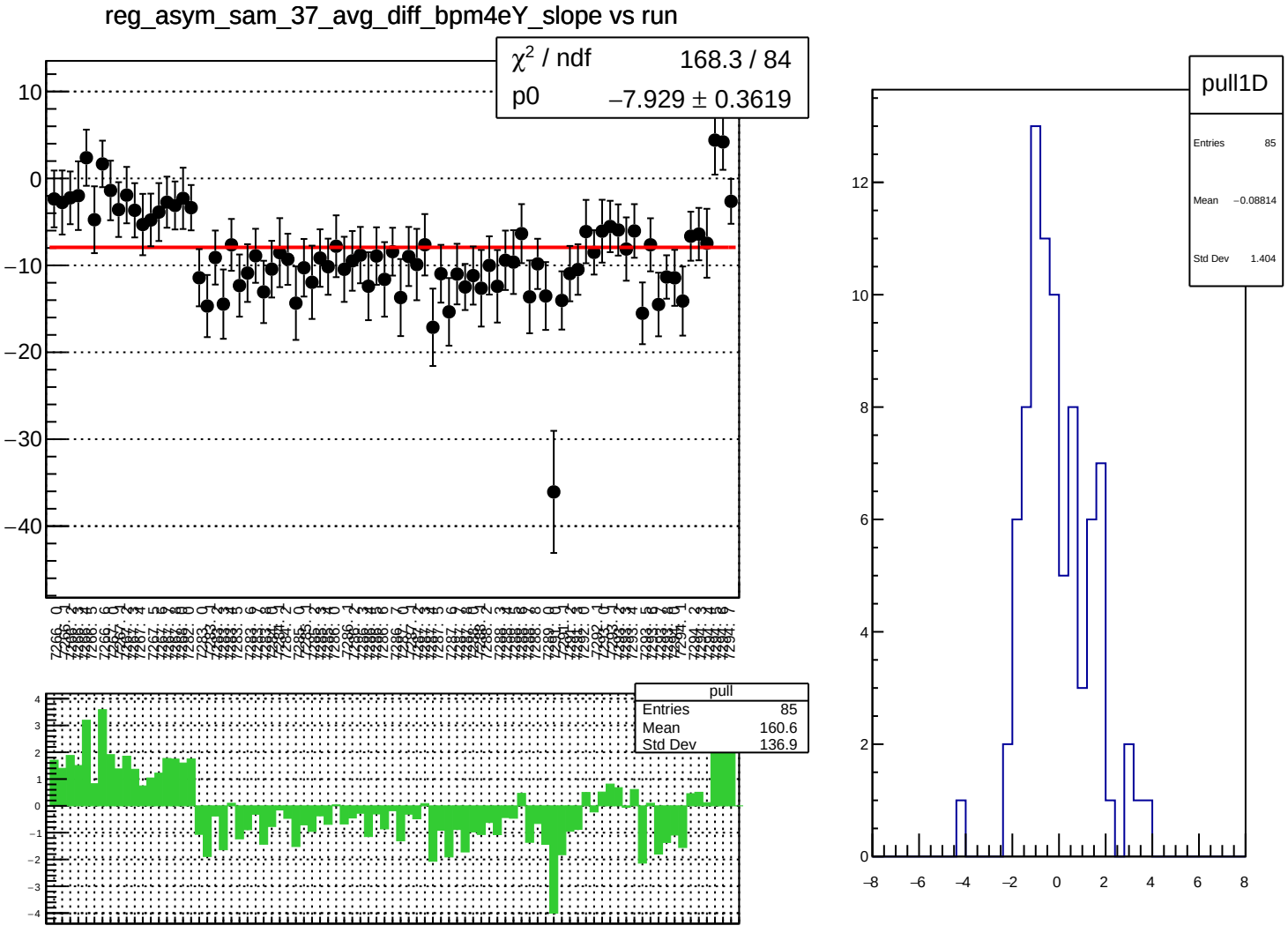

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 687 / 84
p0 −28.38 ± 0.3603
pull
Entries 85
Mean −272.7
Std Dev 283

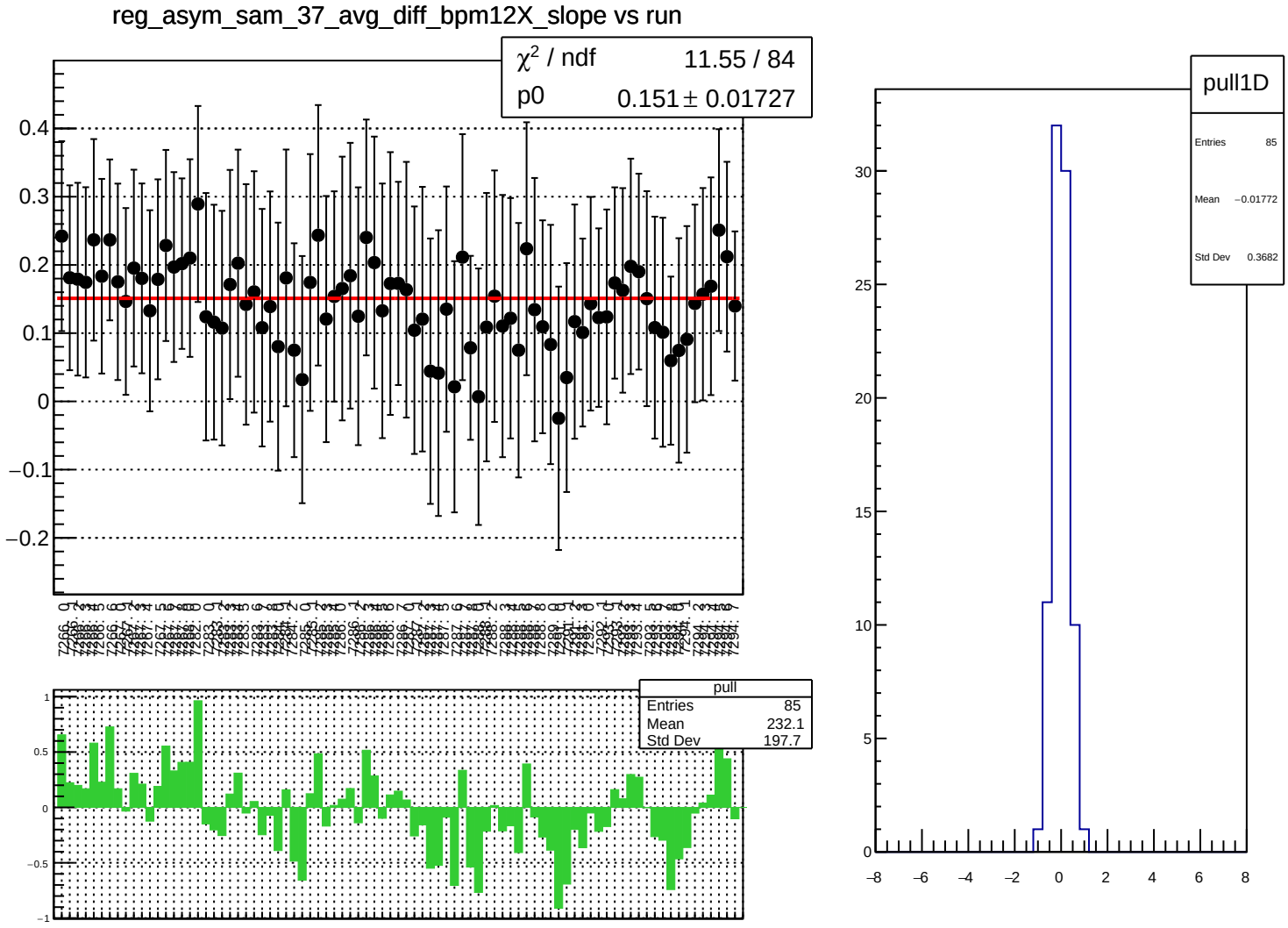

pull1D
Entries 85
Mean 0.0592
Std Dev 2.842

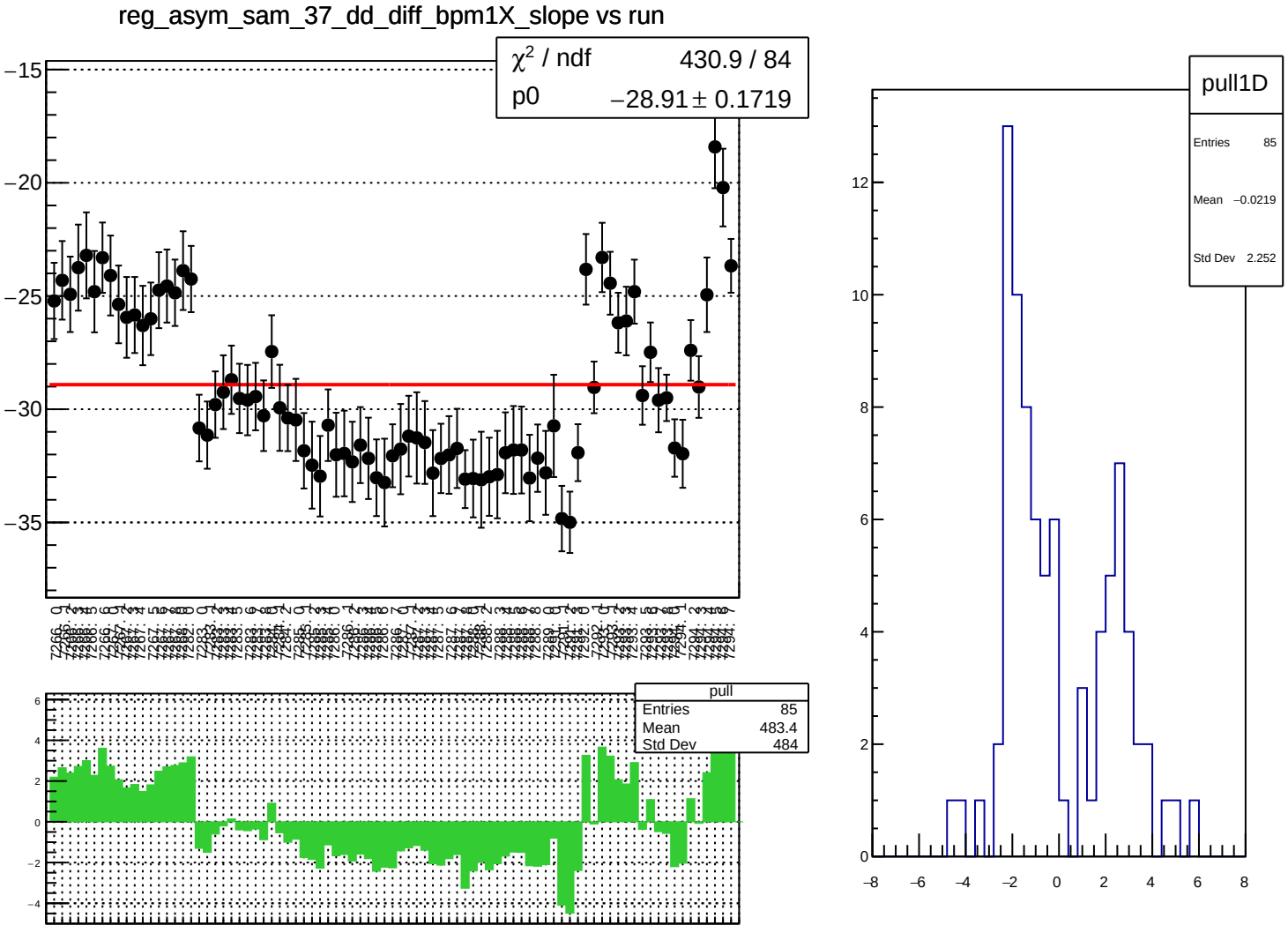

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 201.8 / 84
p0 15.32 ± 0.3446
pull
Entries 85
Mean 153.3
Std Dev 126.5

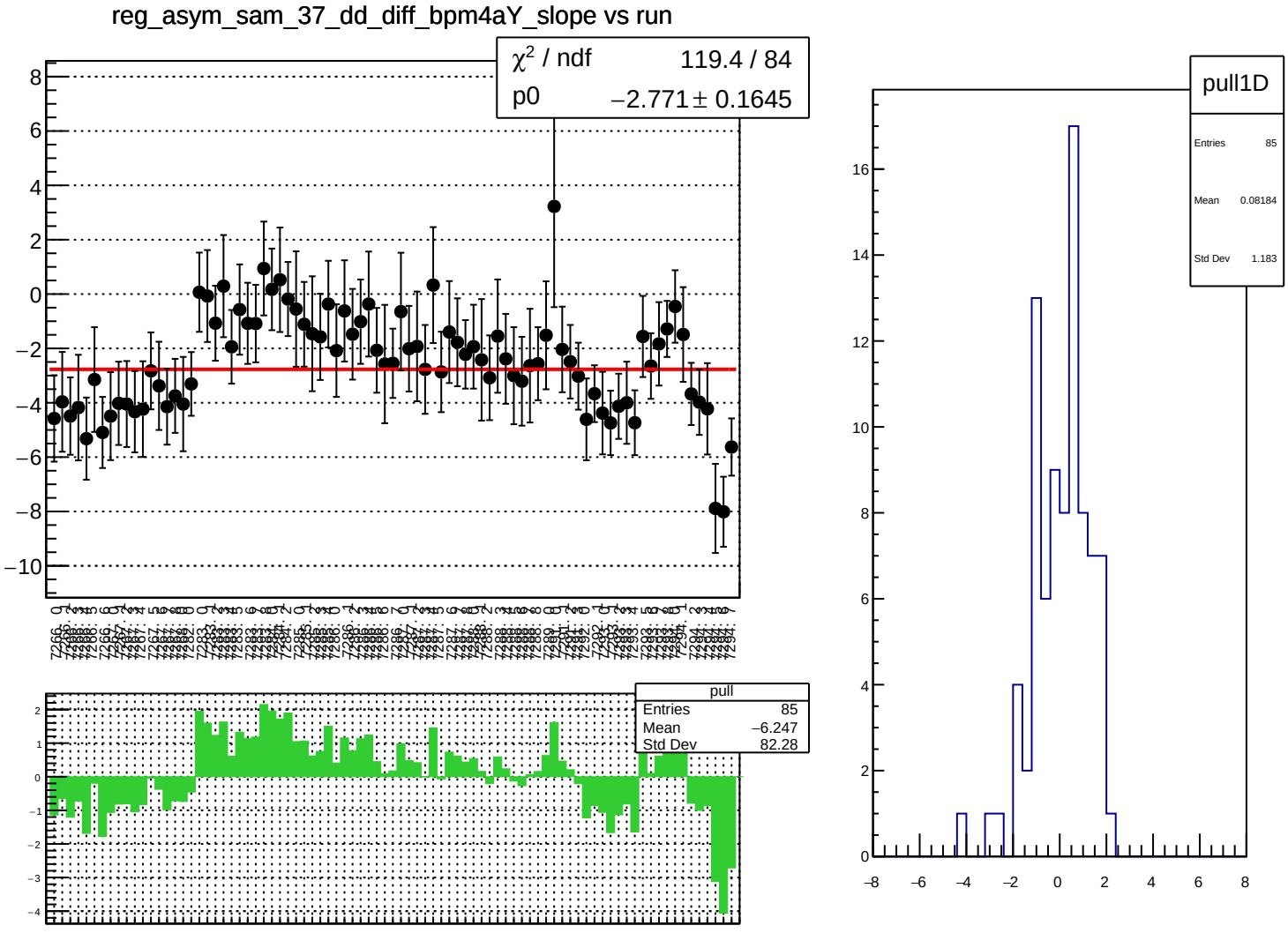

pull1D
Entries 85
Mean 0.1223
Std Dev 1.536

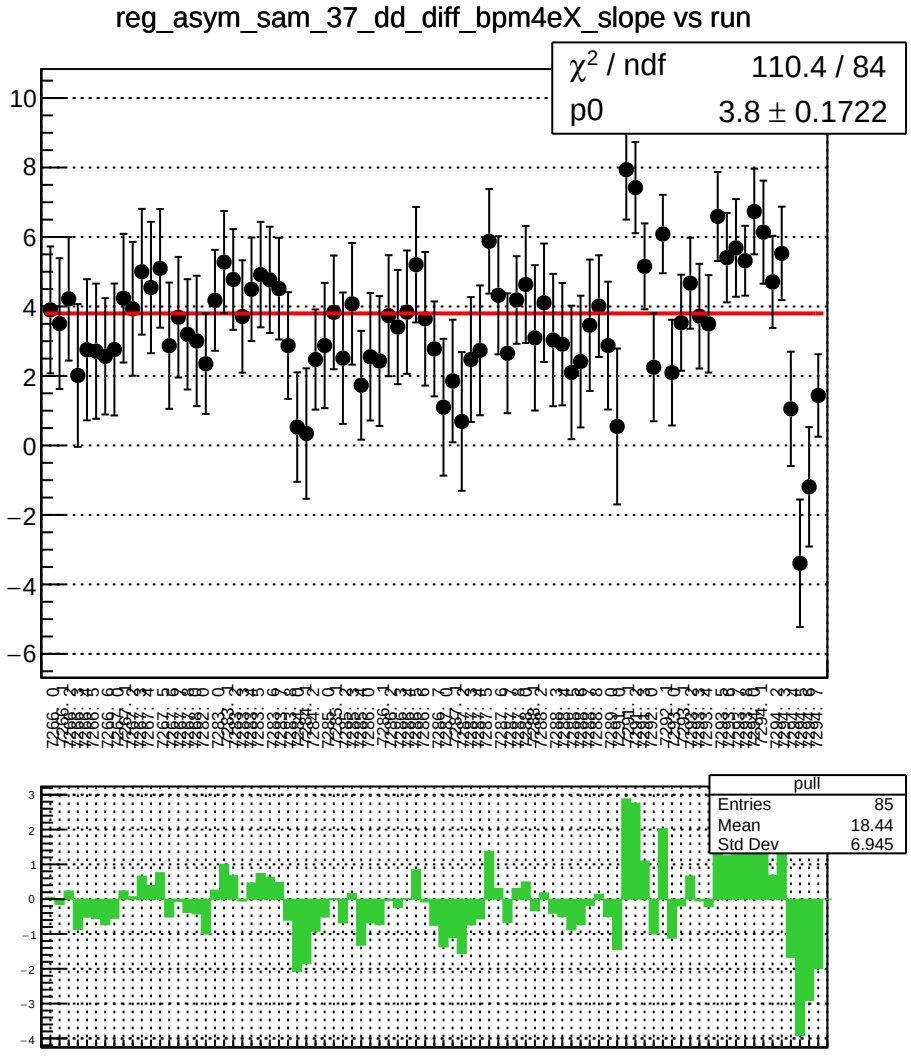

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 255.3 / 84
p0 −30 ± 0.3615
pull
Entries 85
Mean −19.28
Std Dev 29.89
pull1D
Entries 85
Mean −0.1497
Std Dev 1.727

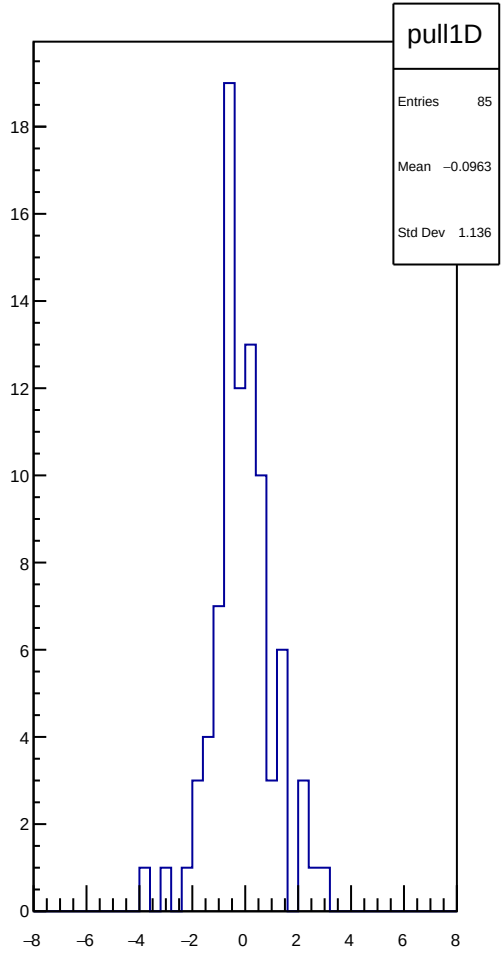

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 168.3 / 84
p0 −7.929 ± 0.3619
pull
Entries 85
Mean 160.6
Std Dev 136.9
pull1D
Entries 85
Mean −0.08814
Std Dev 1.404

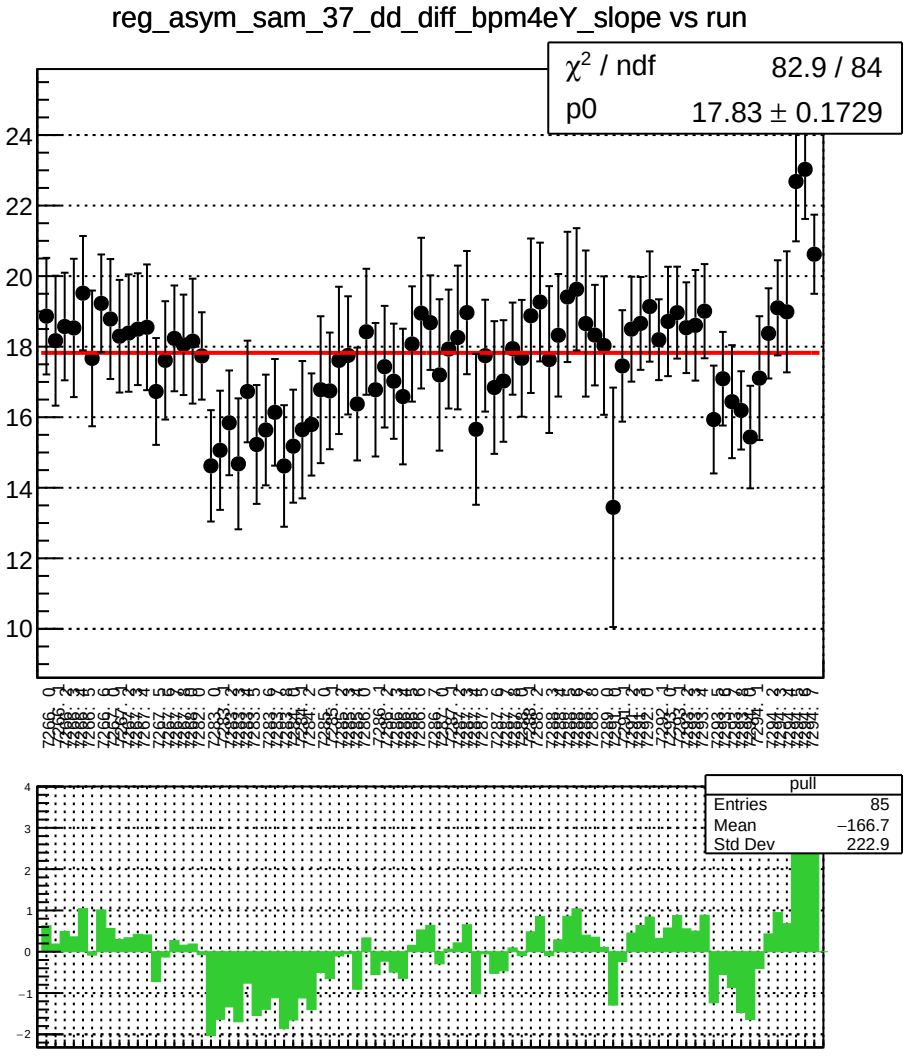

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 11.55 / 84
p0 0.151 ± 0.01727
pull
Entries 85
Mean 232.1
Std Dev 197.7
pull1D
Entries 85
Mean −0.01772
Std Dev 0.3682

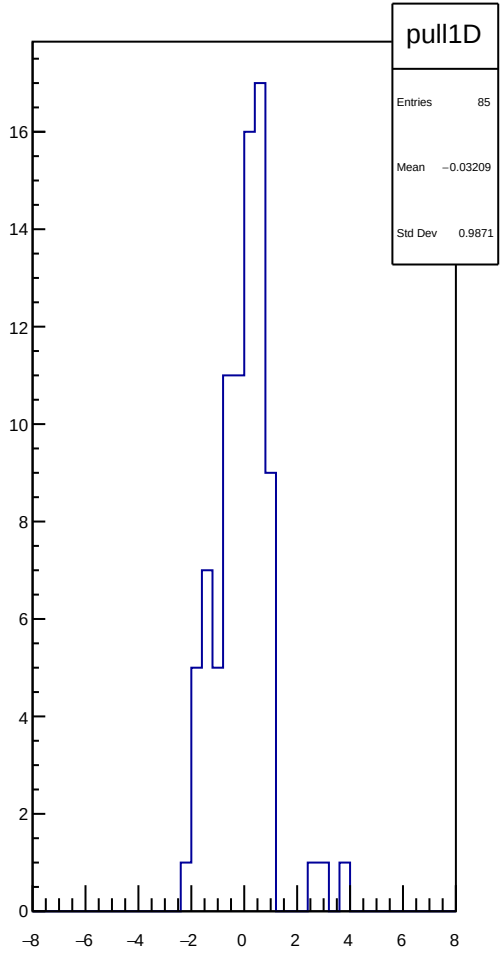

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 430.9 / 84
p0 −28.91 ± 0.1719
−15
−20
−25
−30
−35
pull
Entries 85
Mean 483.4
Std Dev 484
6
4
2
0
−2
−4
pull1D
Entries 85
Mean −0.0219
Std Dev 2.252
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

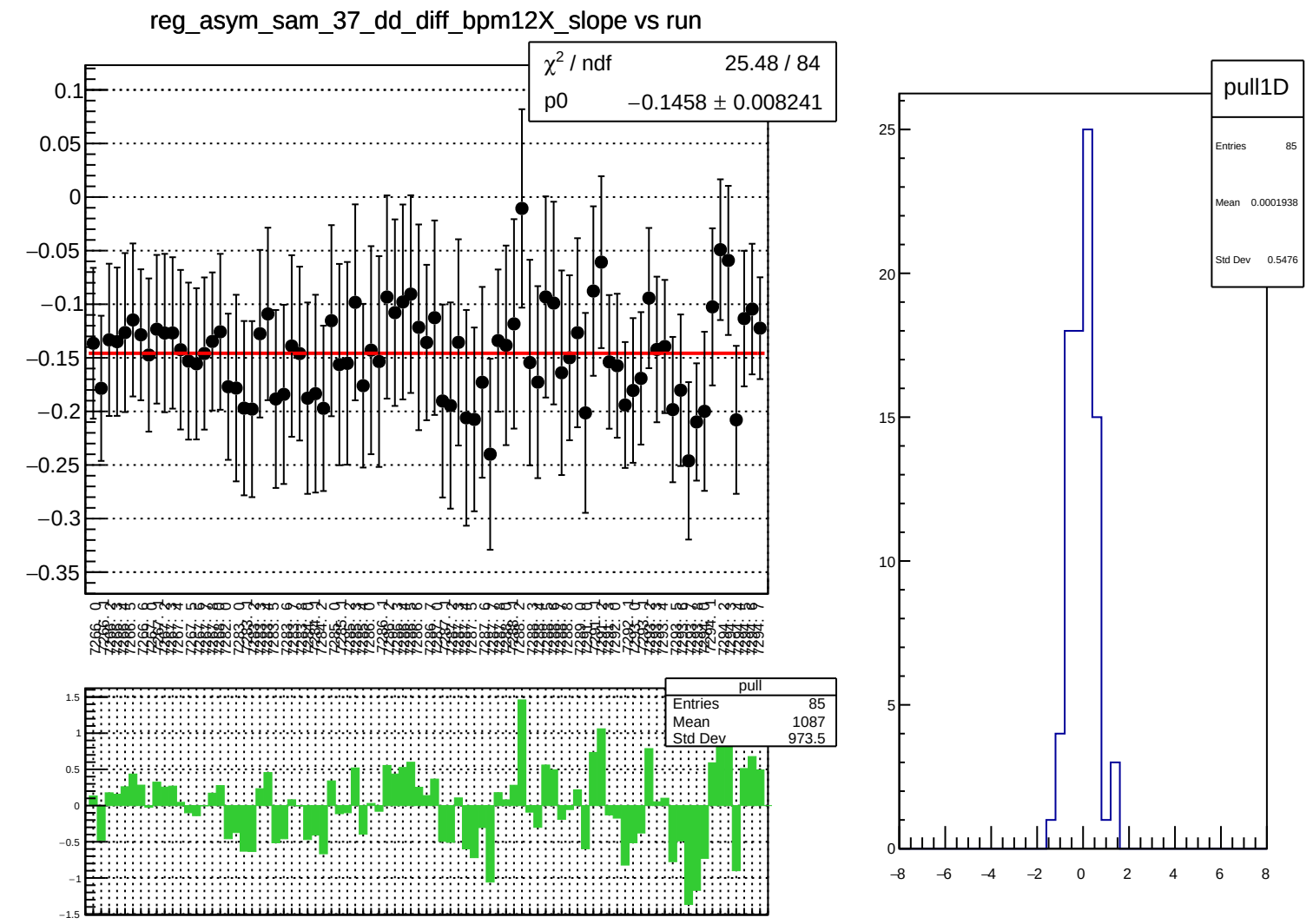

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 119.4 / 84
p0 −2.771 ± 0.1645
pull
Entries 85
Mean −6.247
Std Dev 82.28
pull1D
Entries 85
Mean 0.08184
Std Dev 1.183

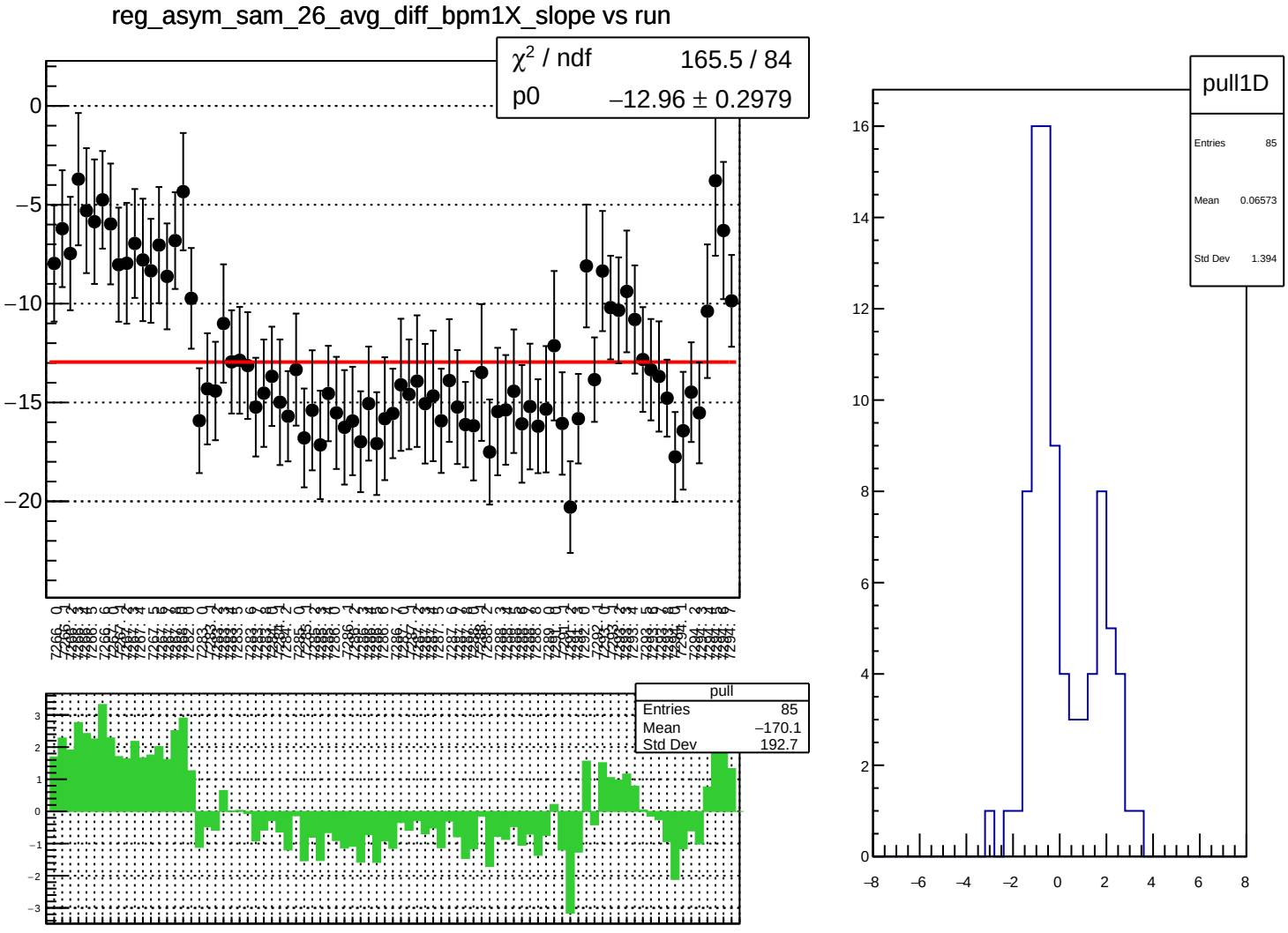

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 110.4 / 84
p0 3.8 ± 0.1722
pull
Entries 85
Mean 18.44
Std Dev 6.945

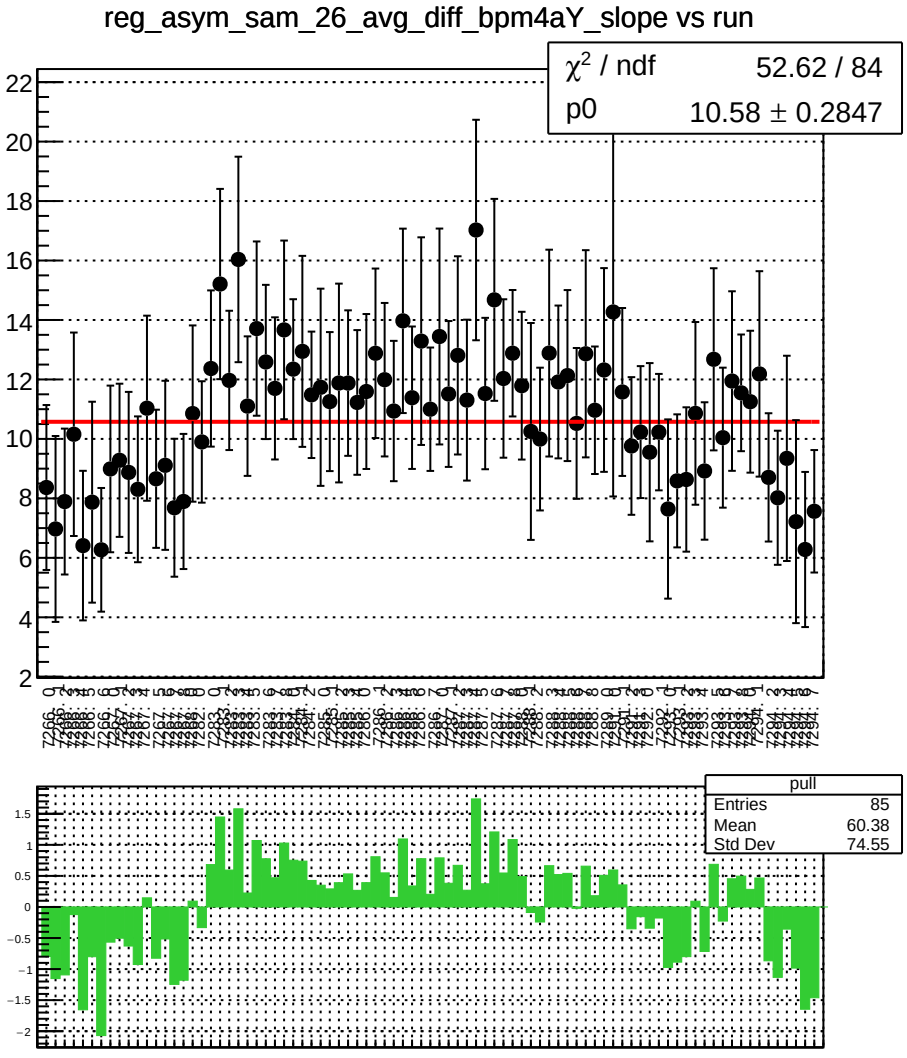

pull1D
Entries 85
Mean −0.0963
Std Dev 1.136

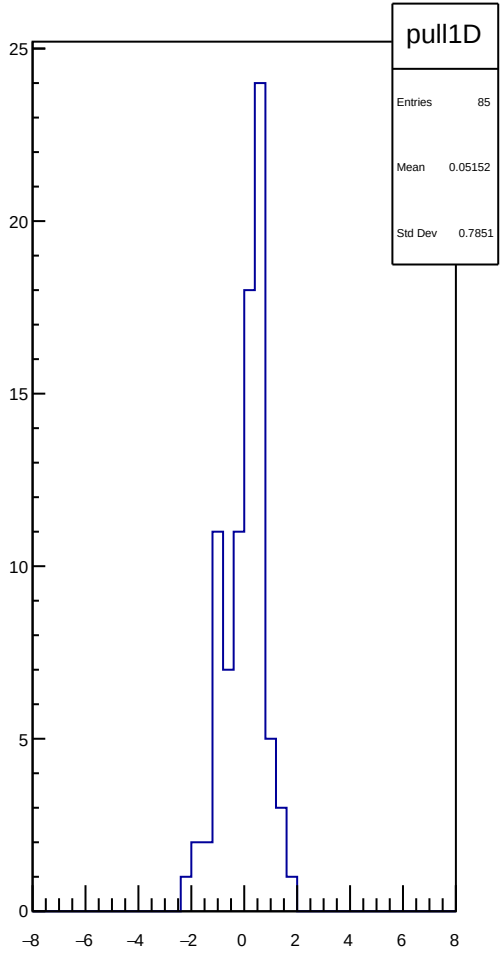

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.9 / 84
p0 17.83 ± 0.1729
pull
Entries 85
Mean −166.7
Std Dev 222.9

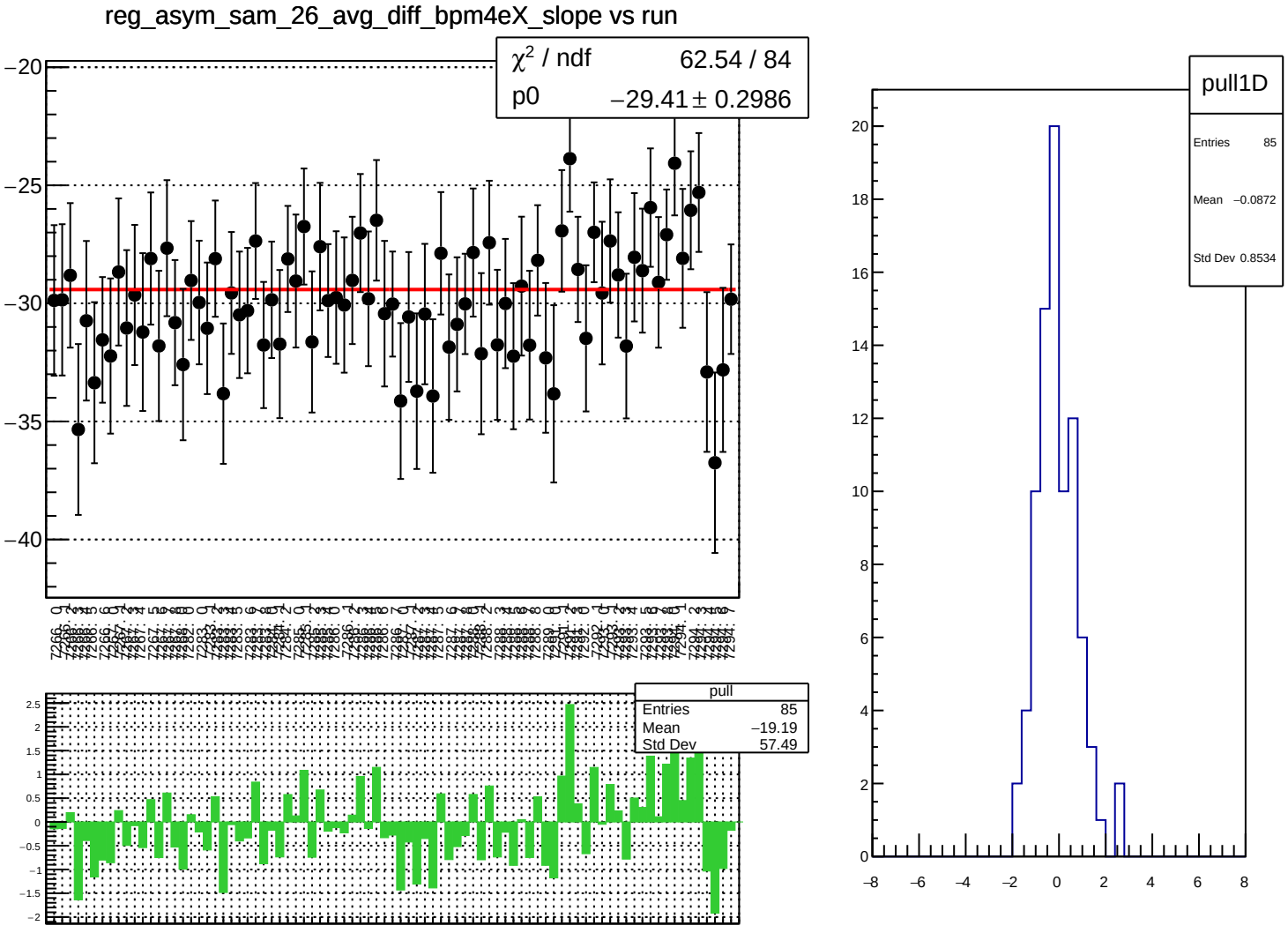

pull1D
Entries 85
Mean −0.03209
Std Dev 0.9871

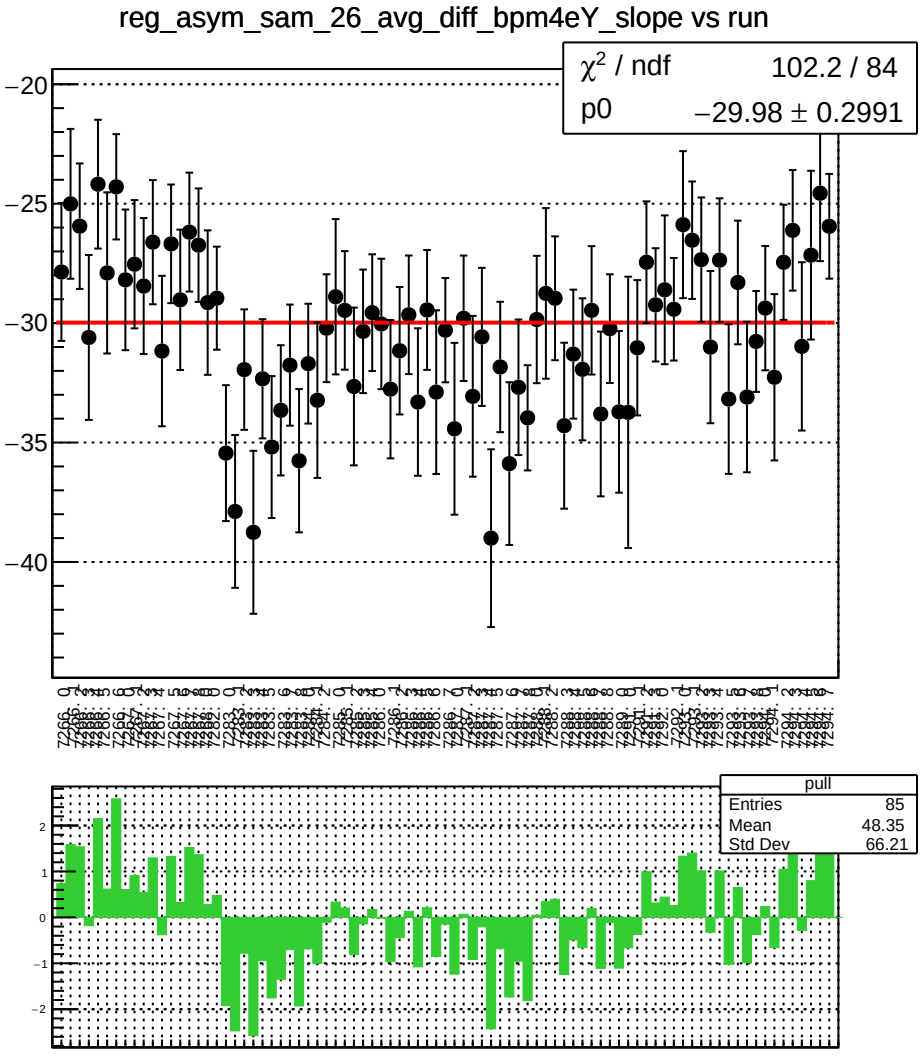

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 25.48 / 84
p0 −0.1458 ± 0.008241
pull
Entries 85
Mean 1087
Std Dev 973.5
pull1D
Entries 85
Mean 0.0001938
Std Dev 0.5476

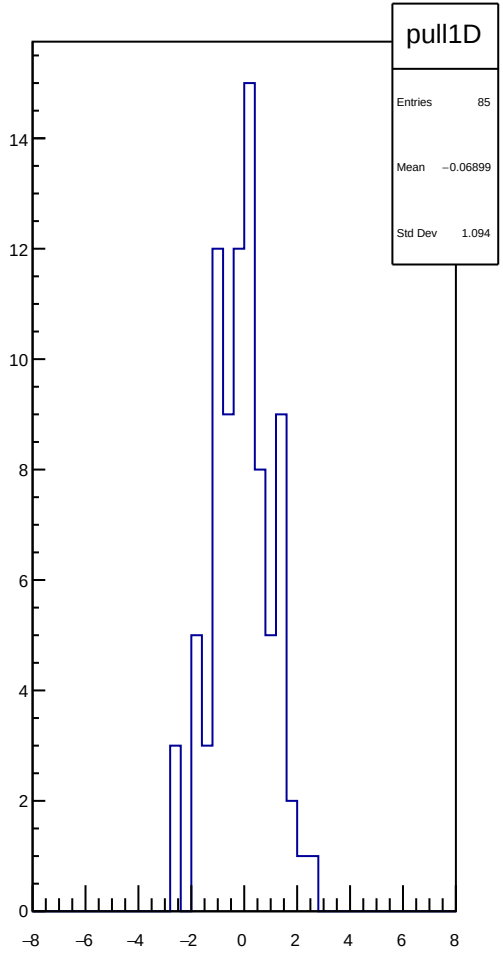

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 165.5 / 84
p0 −12.96 ± 0.2979
pull
Entries 85
Mean −170.1
Std Dev 192.7
pull1D
Entries 85
Mean 0.06573
Std Dev 1.394

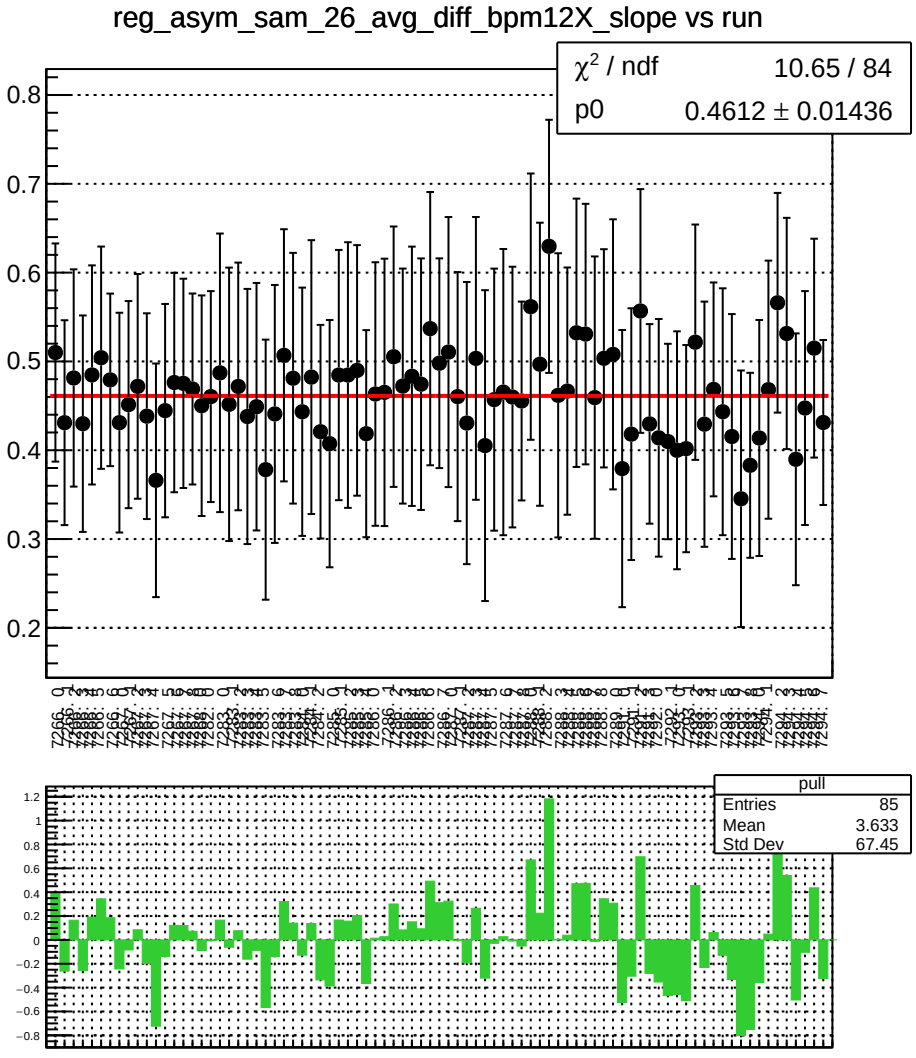

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 52.62 / 84
p0 10.58 ± 0.2847
pull
Entries 85
Mean 60.38
Std Dev 74.55

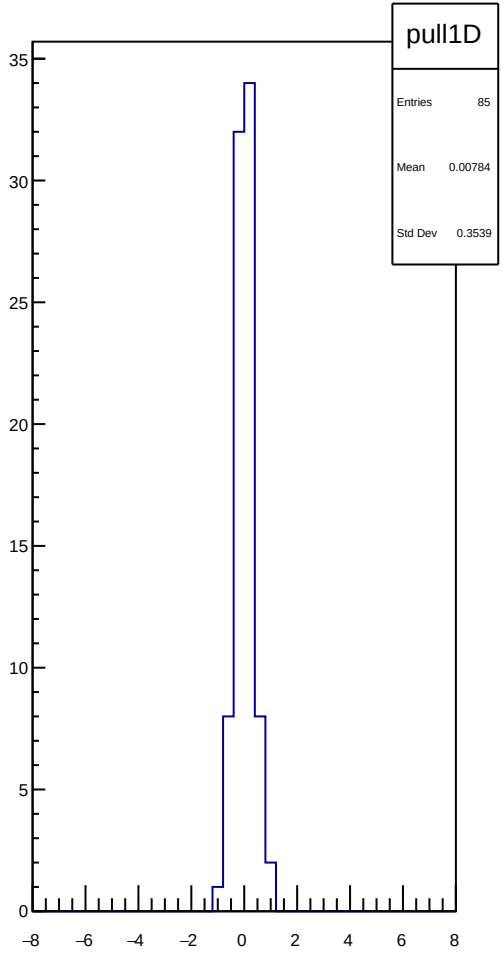

pull1D
Entries 85
Mean 0.05152
Std Dev 0.7851

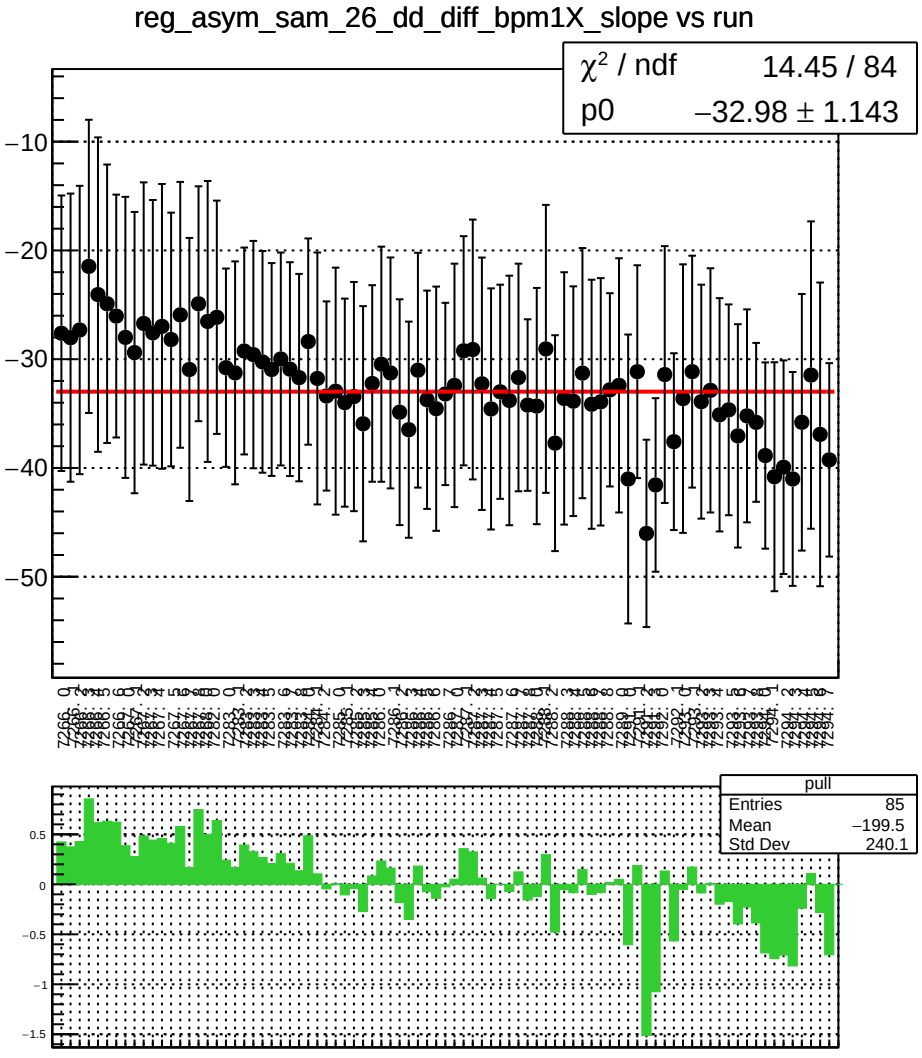

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.54 / 84
p0 −29.41 ± 0.2986
pull
Entries 85
Mean −19.19
Std Dev 57.49
pull1D
Entries 85
Mean −0.0872
Std Dev 0.8534

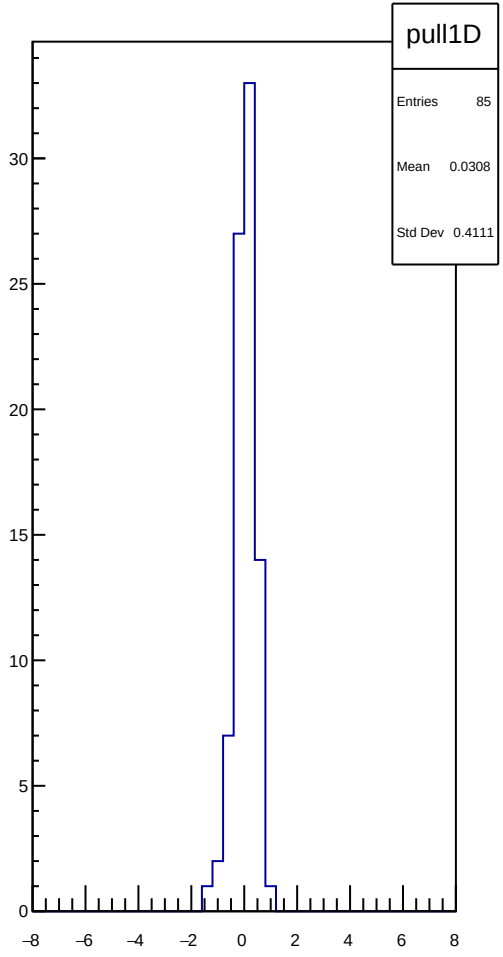

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 102.2 / 84
p0 −29.98 ± 0.2991
pull
Entries 85
Mean 48.35
Std Dev 66.21

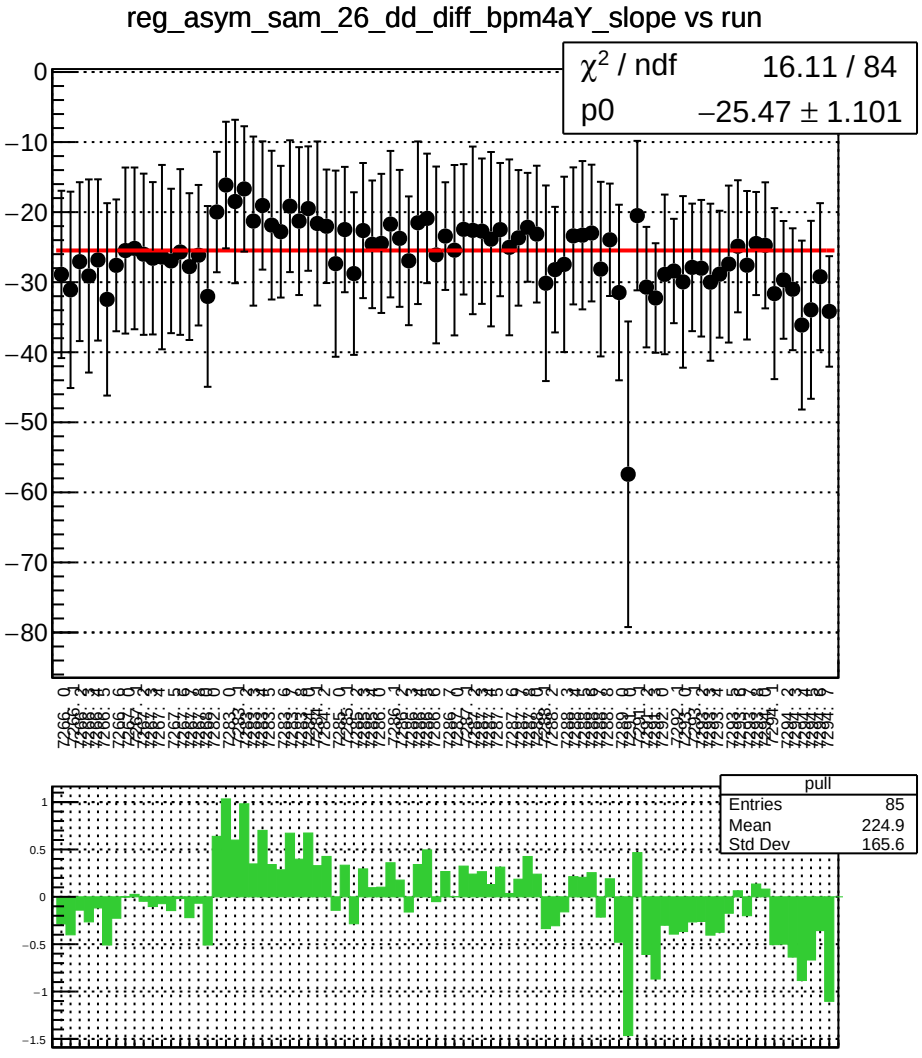

pull1D
Entries 85
Mean −0.06899
Std Dev 1.094

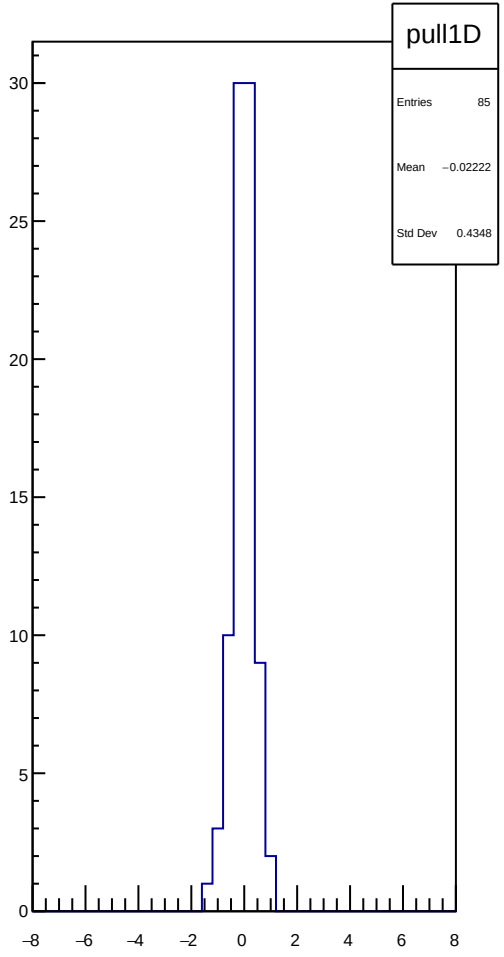

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 10.65 / 84
p0 0.4612 ± 0.01436
pull
Entries 85
Mean 3.633
Std Dev 67.45

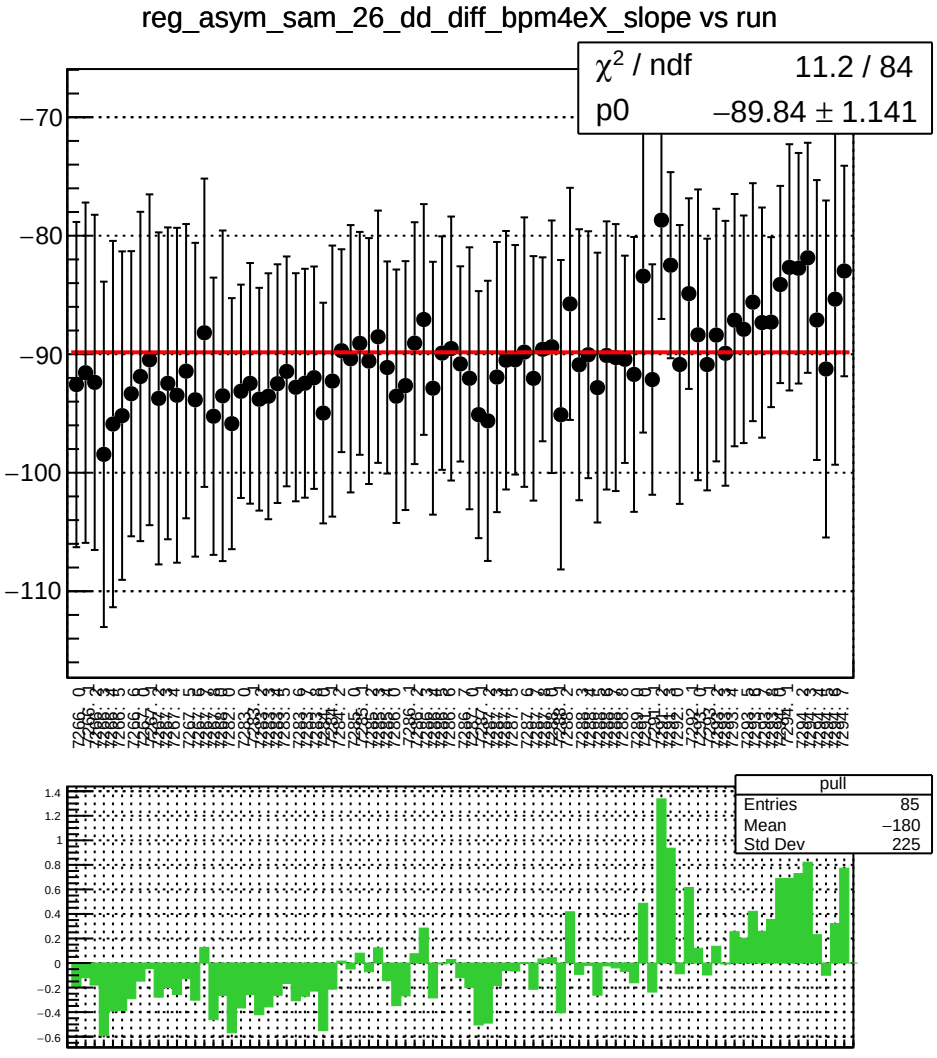

pull1D
Entries 85
Mean 0.00784
Std Dev 0.3539

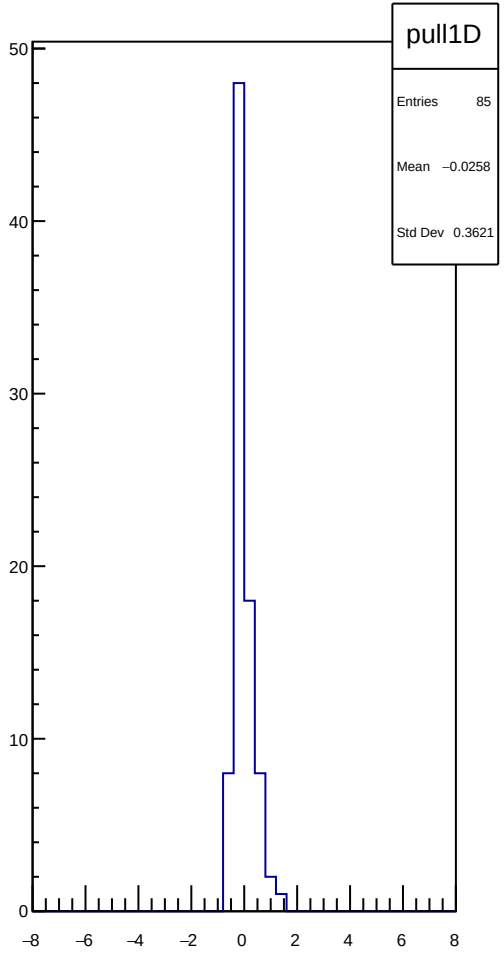

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 14.45 / 84
p0 −32.98 ± 1.143
pull
Entries 85
Mean −199.5
Std Dev 240.1

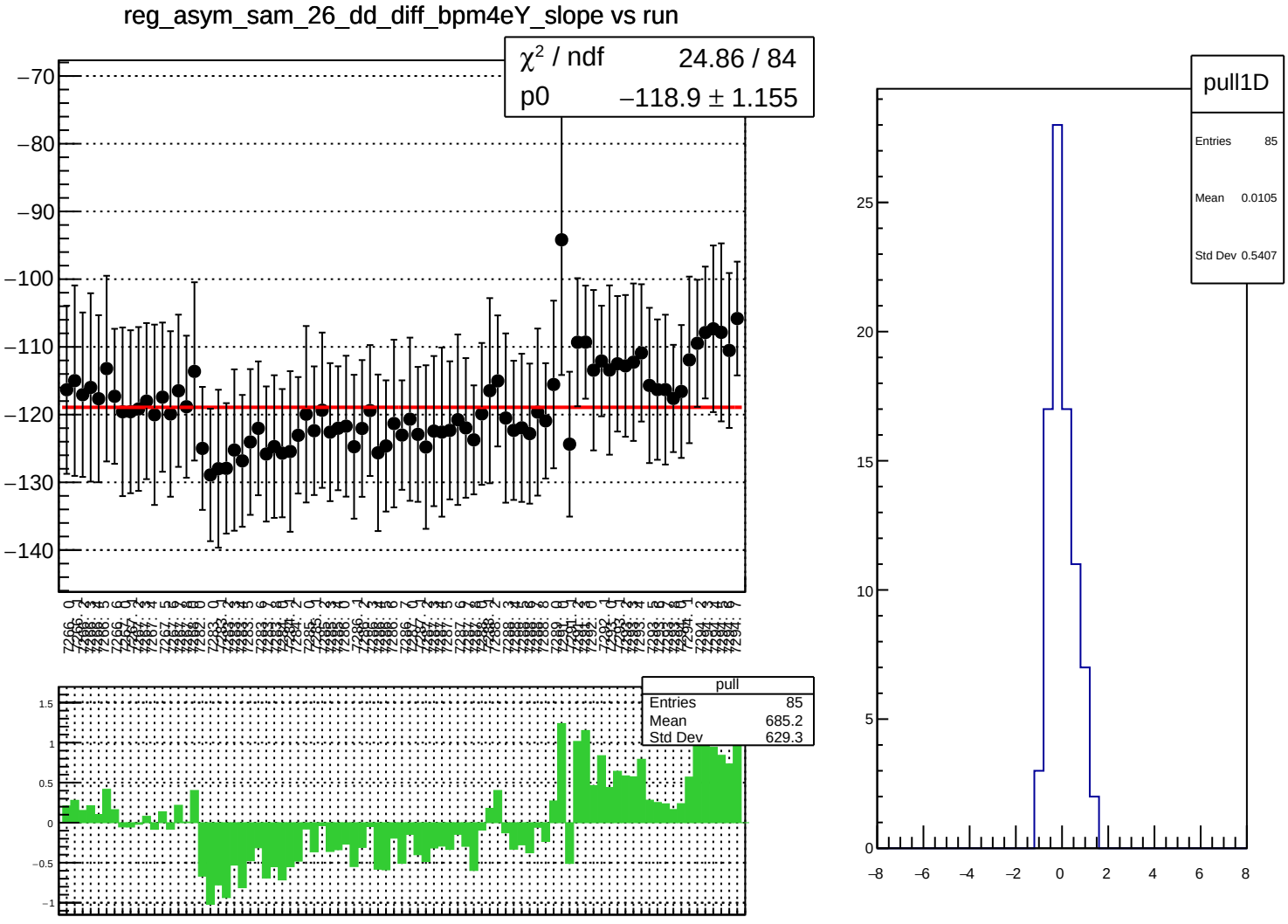

pull1D
Entries 85
Mean 0.0308
Std Dev 0.4111

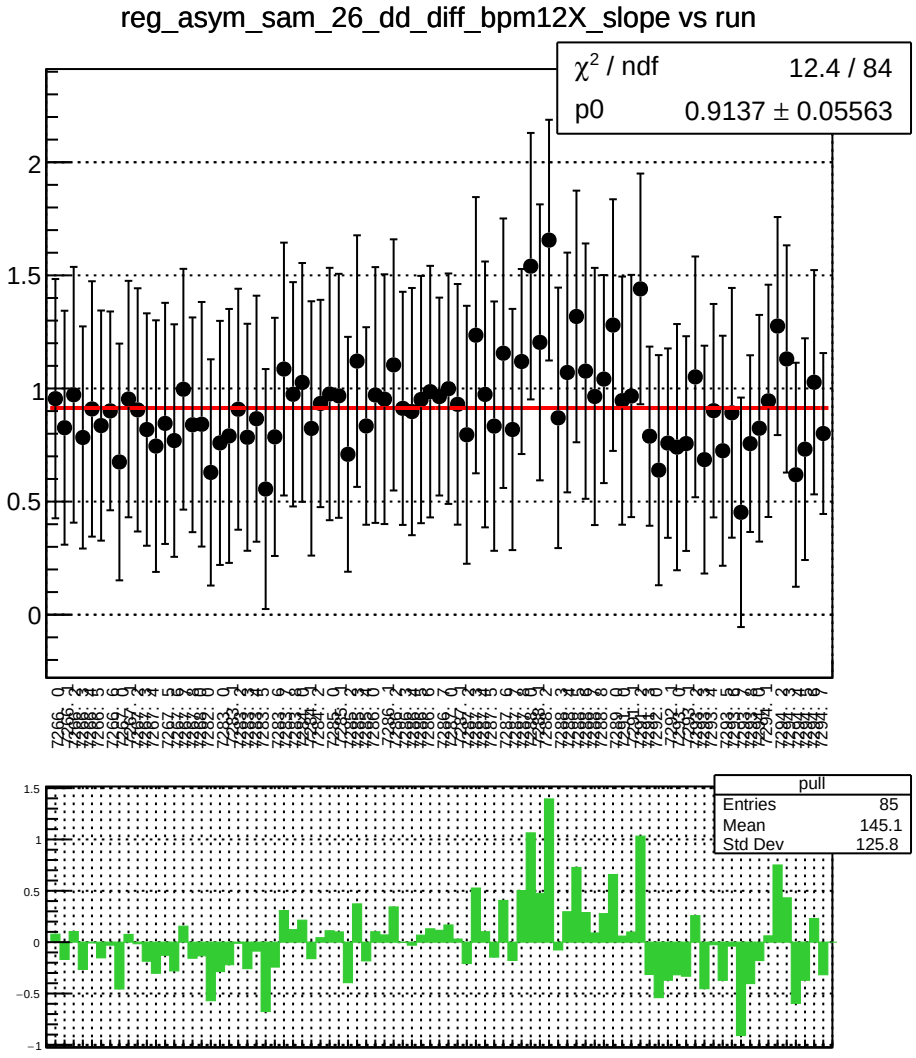

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.11 / 84
p0 −25.47 ± 1.101
pull
Entries 85
Mean 224.9
Std Dev 165.6

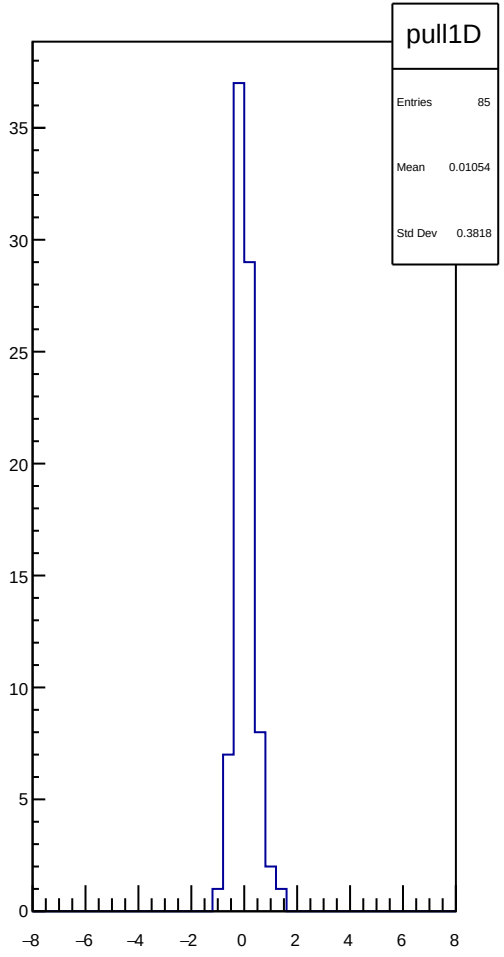

pull1D
Entries 85
Mean −0.02222
Std Dev 0.4348

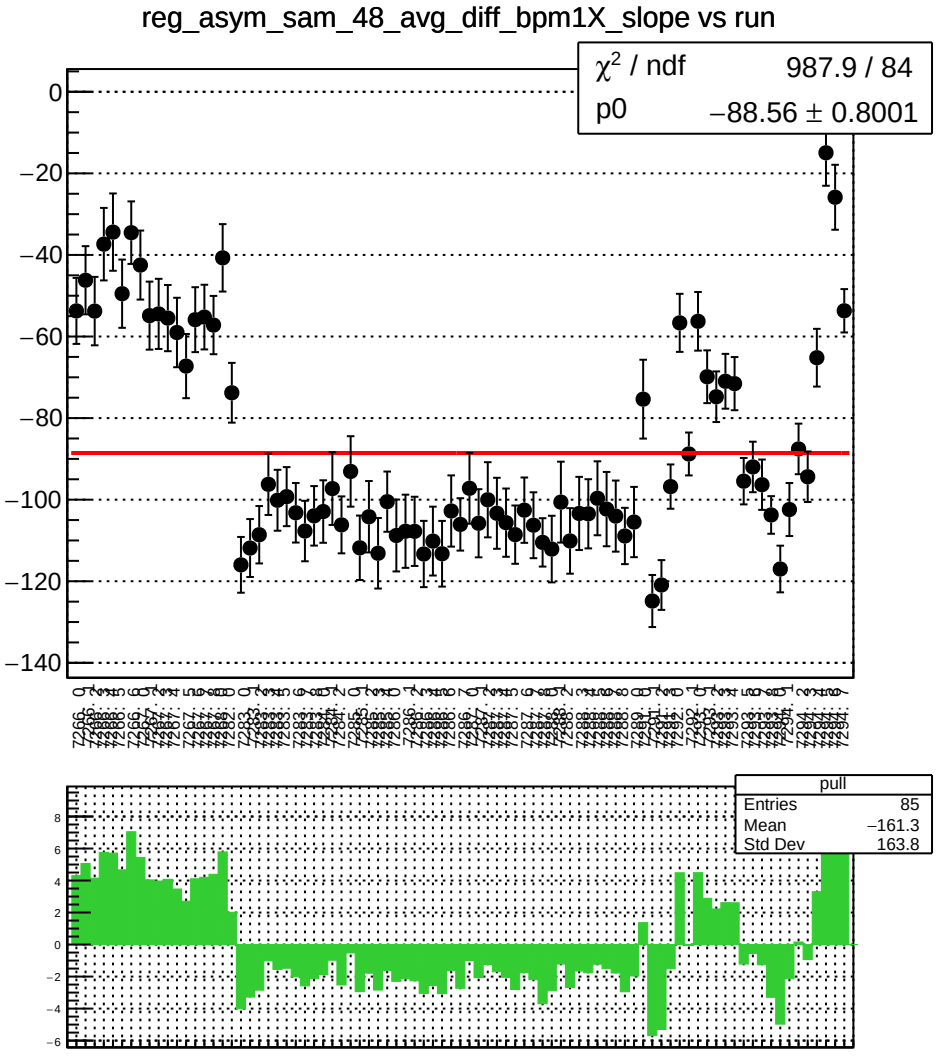

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.2 / 84
p0 −89.84 ± 1.141
−70
−80
−90
−100
−110
pull
Entries 85
Mean −180
Std Dev 225
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

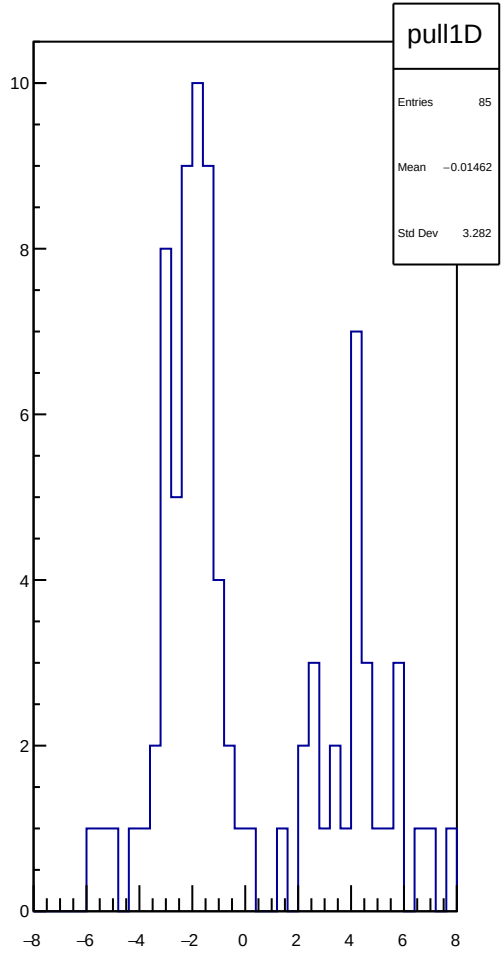

pull1D
Entries 85
Mean −0.0258
Std Dev 0.3621
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

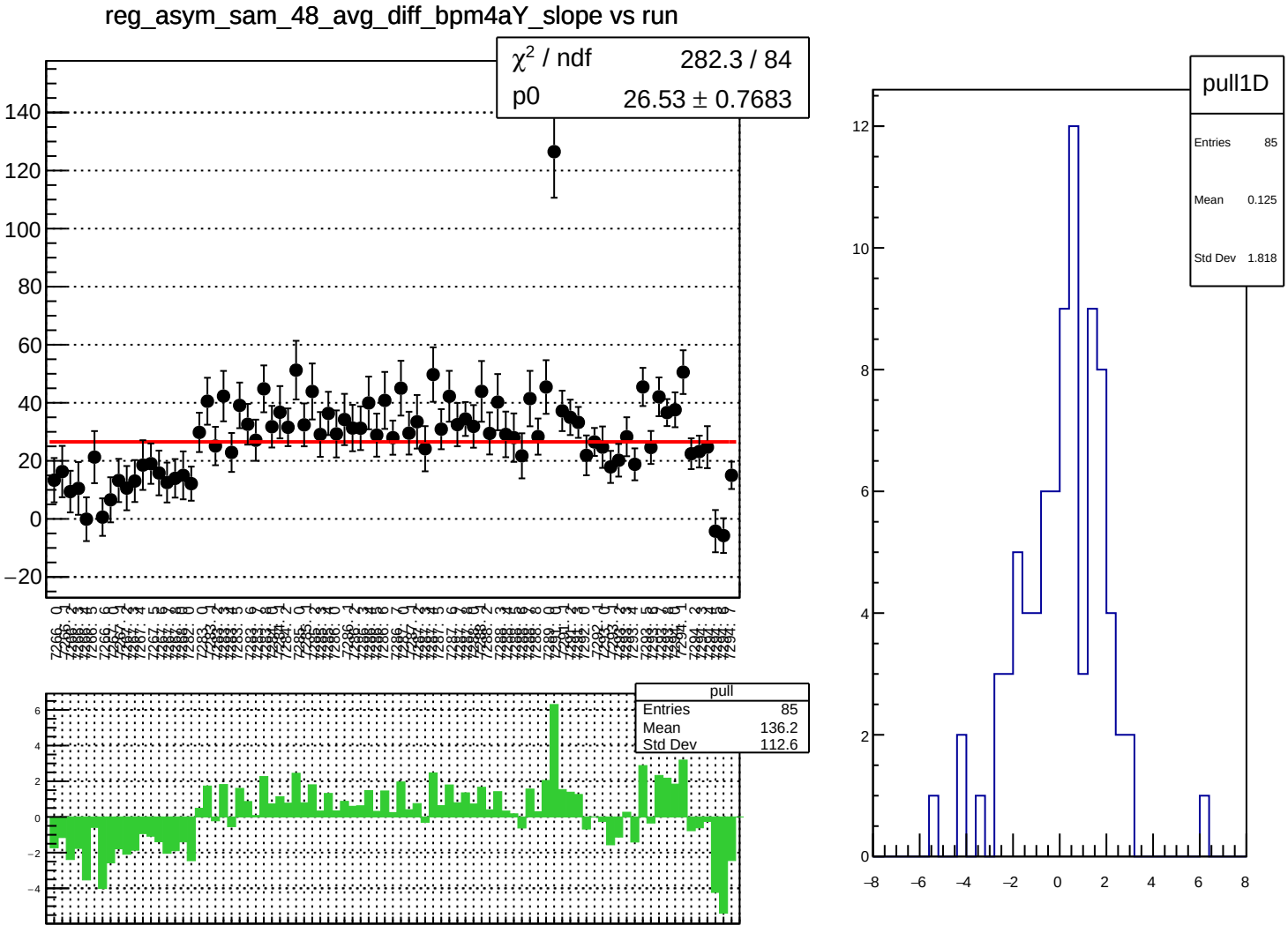

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 24.86 / 84
p0 −118.9 ± 1.155
pull
Entries 85
Mean 685.2
Std Dev 629.3
pull1D
Entries 85
Mean 0.0105
Std Dev 0.5407

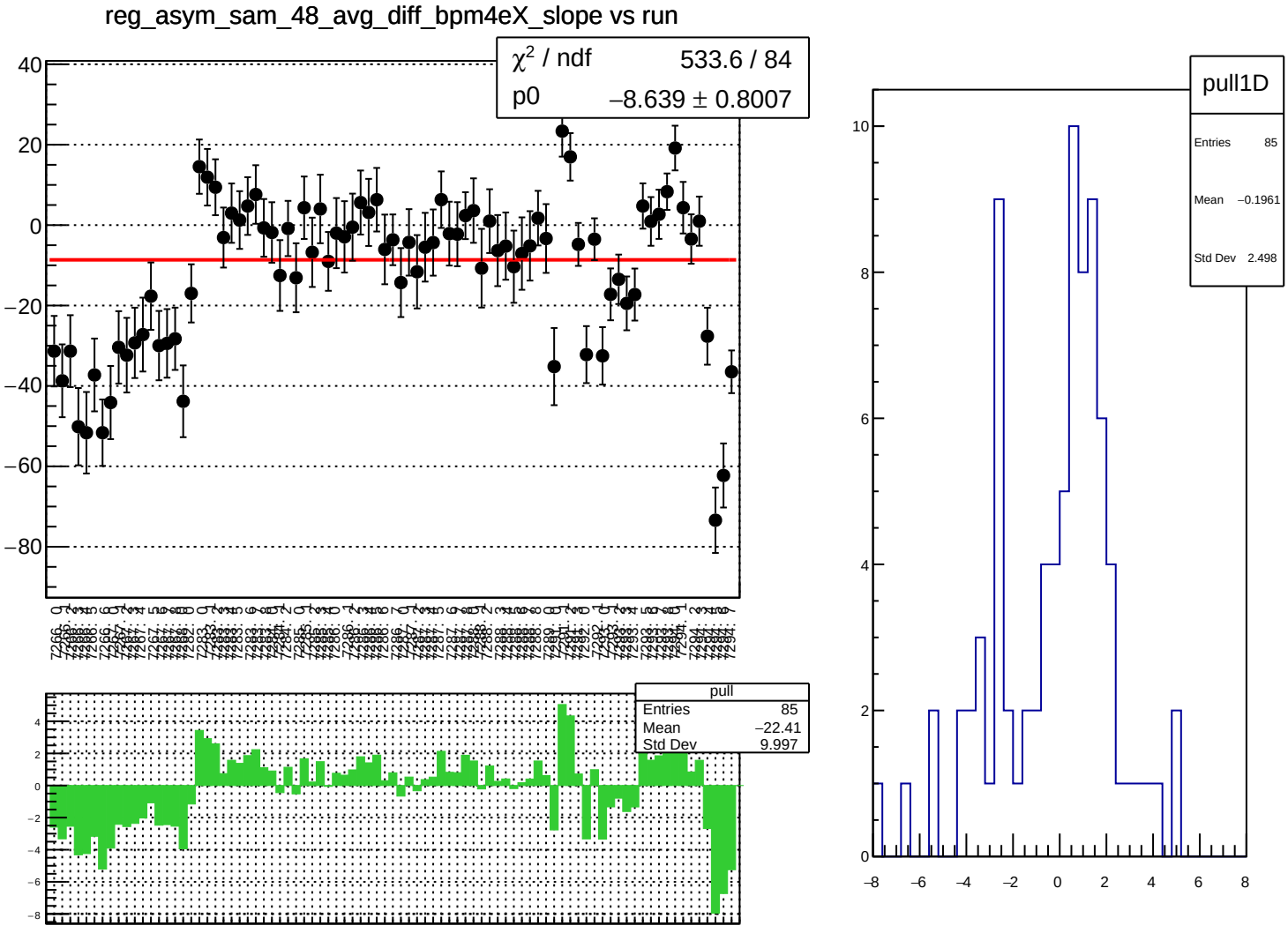

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 12.4 / 84
p0 0.9137 ± 0.05563
pull
Entries 85
Mean 145.1
Std Dev 125.8

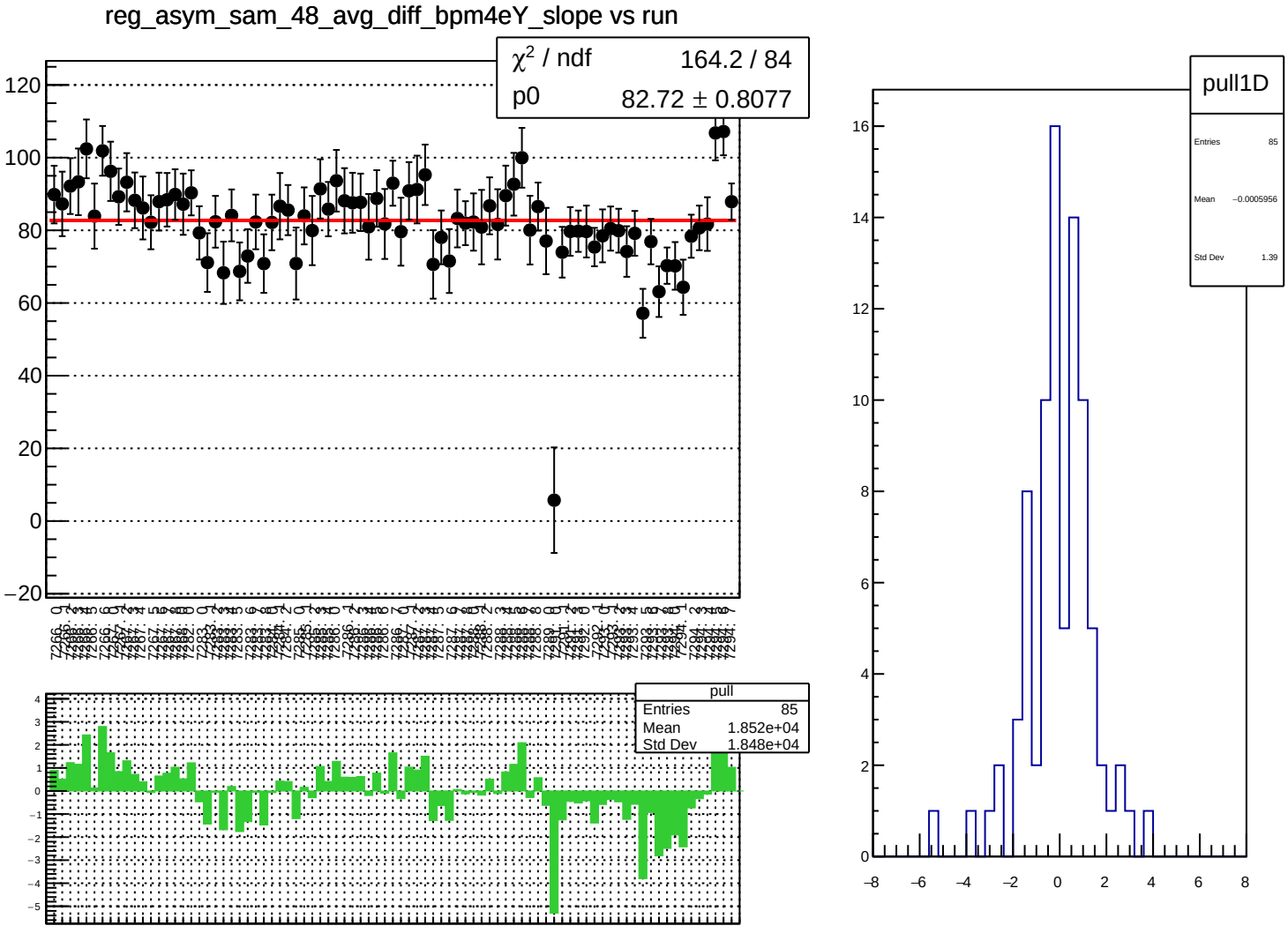

pull1D
Entries 85
Mean 0.01054
Std Dev 0.3818

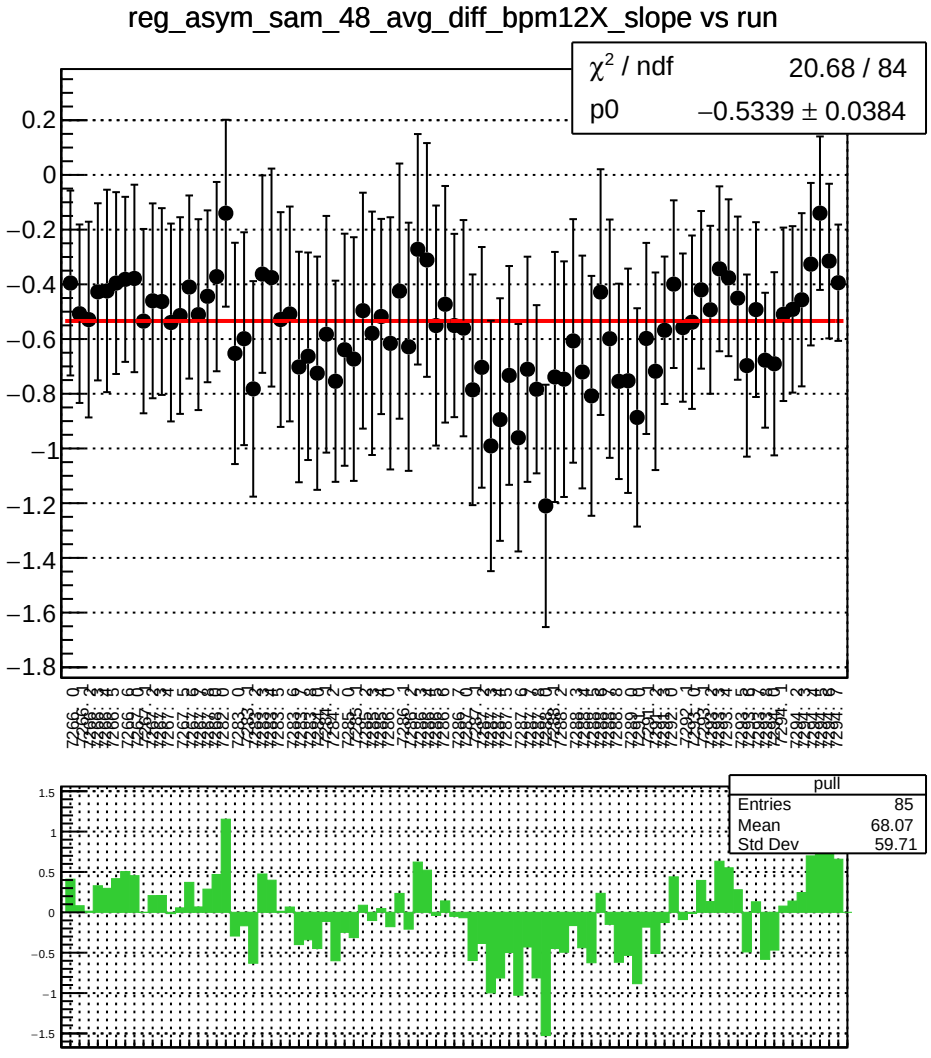

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 987.9 / 84
p0 −88.56 ± 0.8001
pull
Entries 85
Mean −161.3
Std Dev 163.8

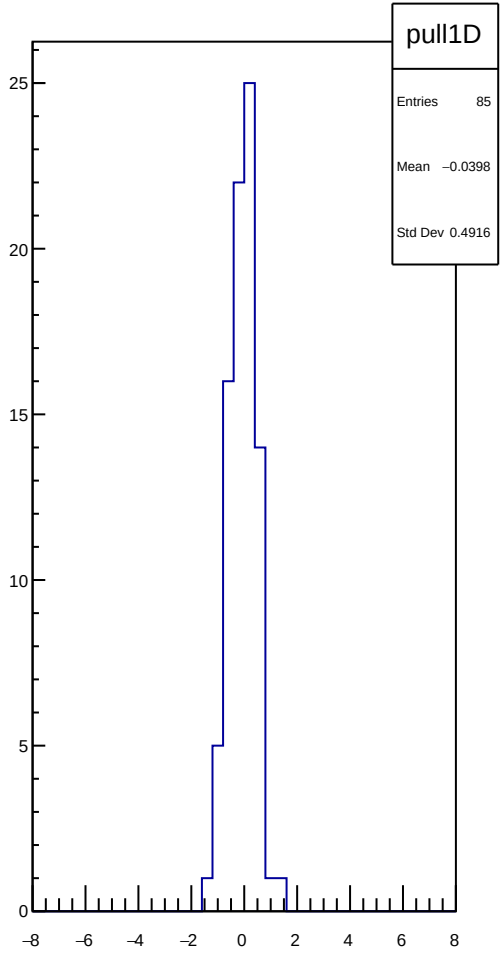

pull1D
Entries 85
Mean −0.01462
Std Dev 3.282

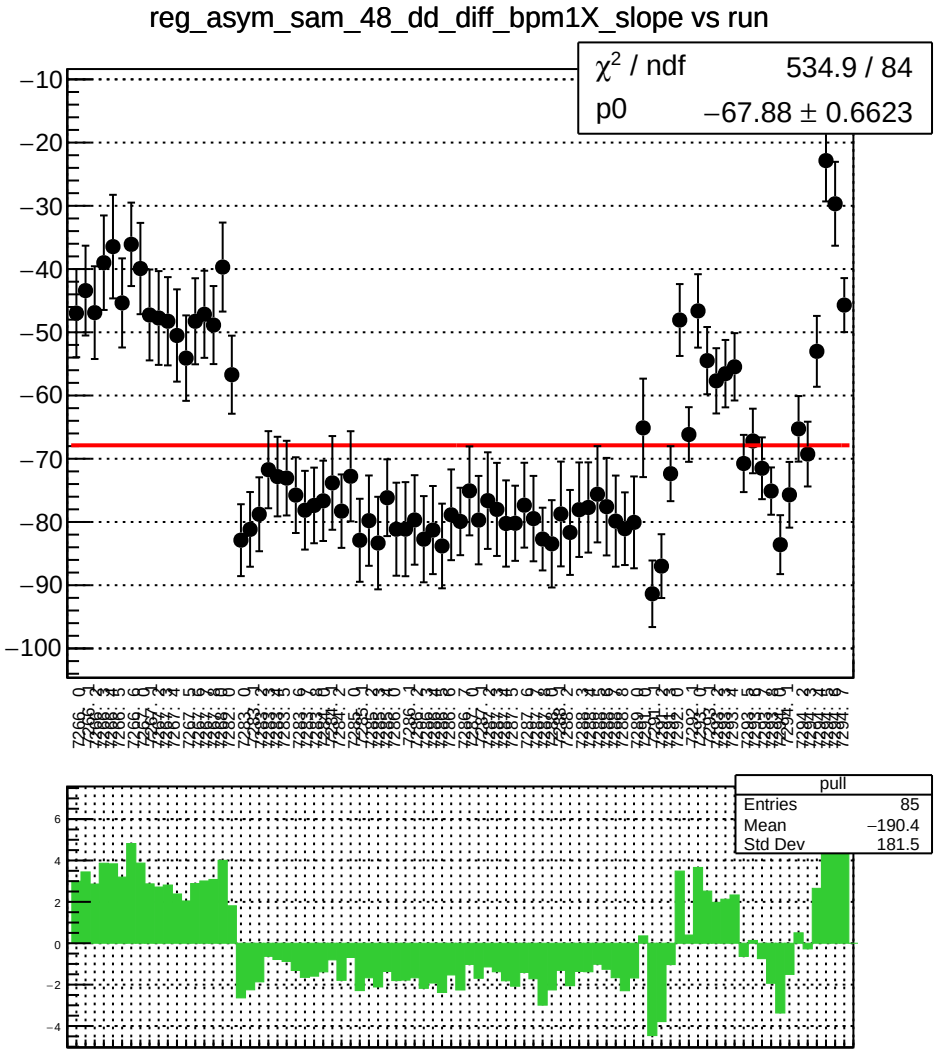

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 282.3 / 84
p0 26.53 ± 0.7683
pull
Entries 85
Mean 136.2
Std Dev 112.6
pull1D
Entries 85
Mean 0.125
Std Dev 1.818

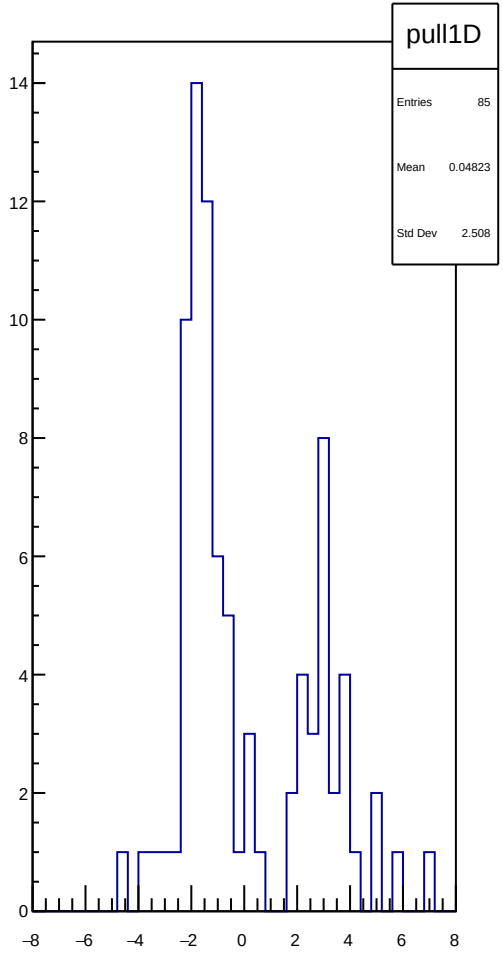

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 533.6 / 84
p0 −8.639 ± 0.8007
pull
Entries 85
Mean −22.41
Std Dev 9.997
pull1D
Entries 85
Mean −0.1961
Std Dev 2.498

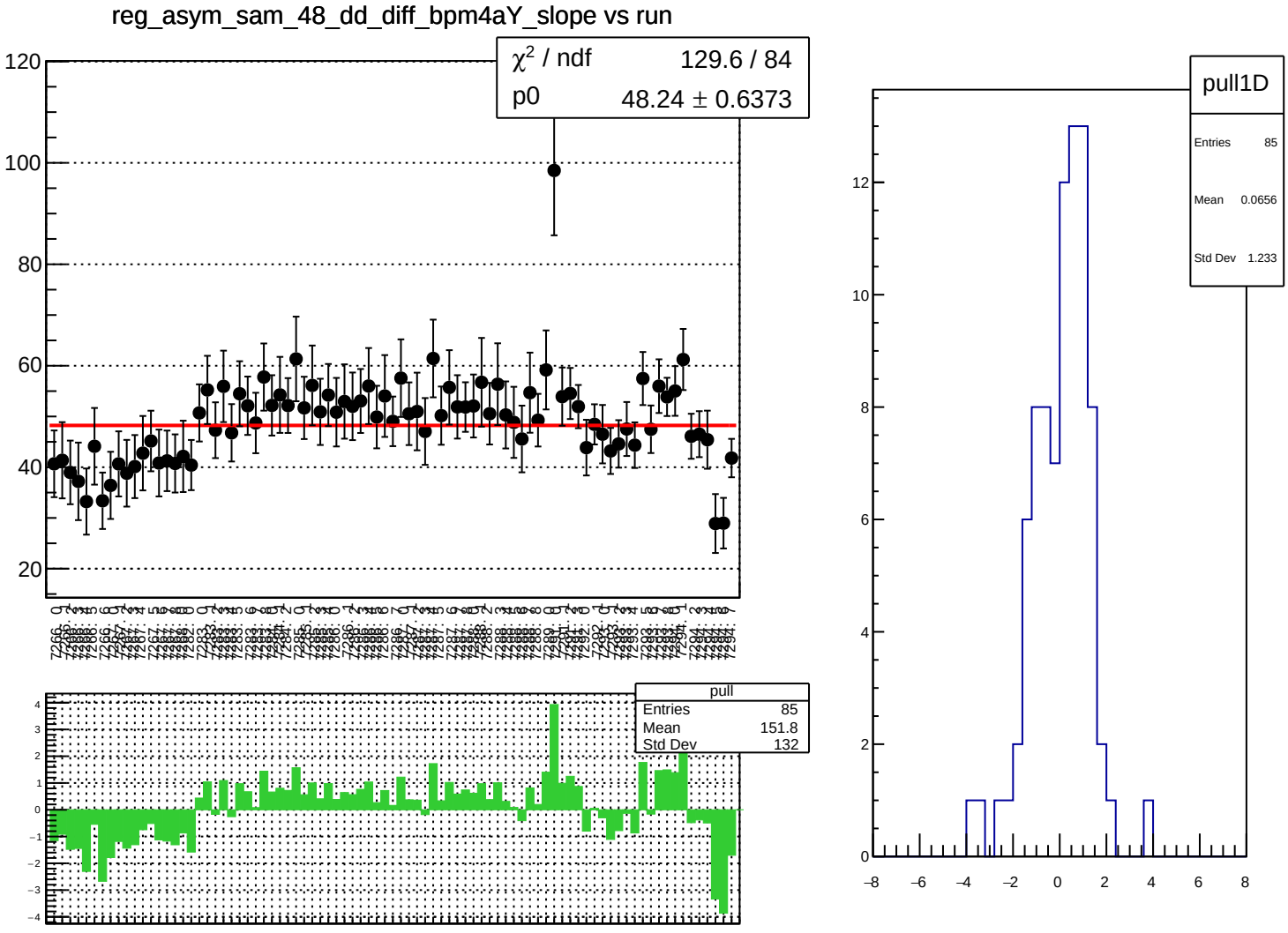

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 164.2 / 84
p0 82.72 ± 0.8077
pull
Entries 85
Mean 1.852e+04
Std Dev 1.848e+04
pull1D
Entries 85
Mean −0.0005956
Std Dev 1.39

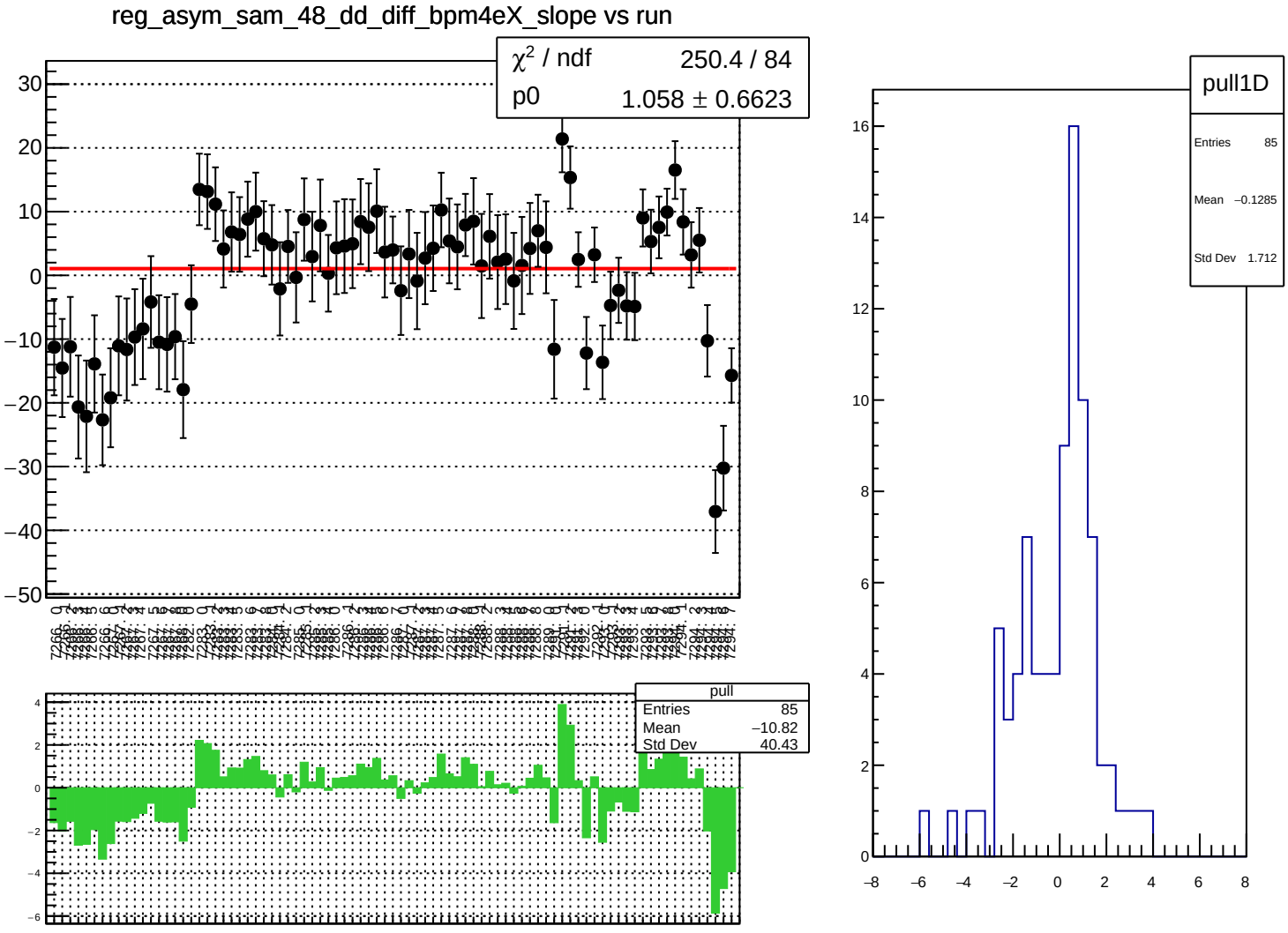

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 20.68 / 84
p0 −0.5339 ± 0.0384
pull
Entries 85
Mean 68.07
Std Dev 59.71

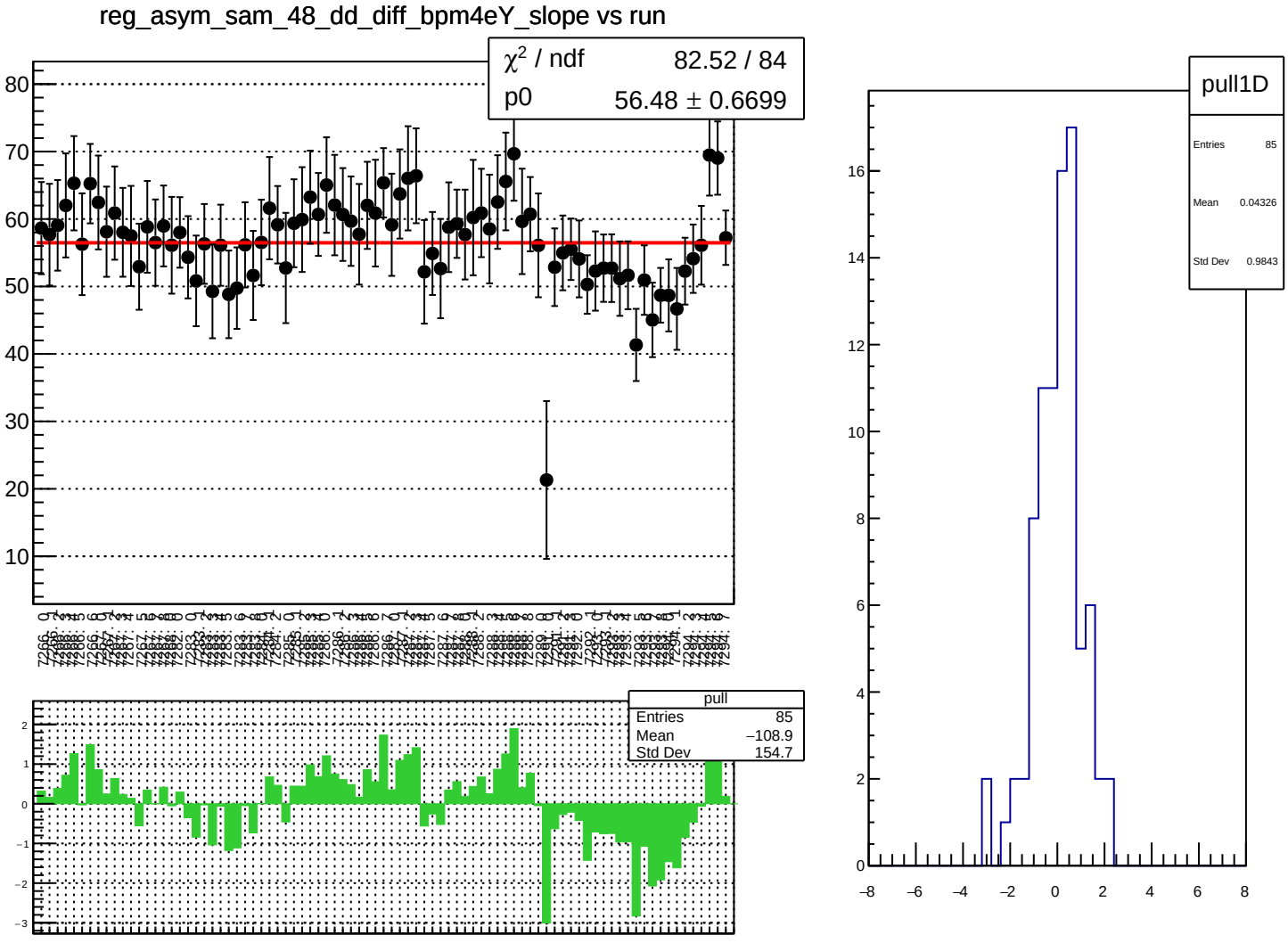

pull1D
Entries 85
Mean −0.0398
Std Dev 0.4916

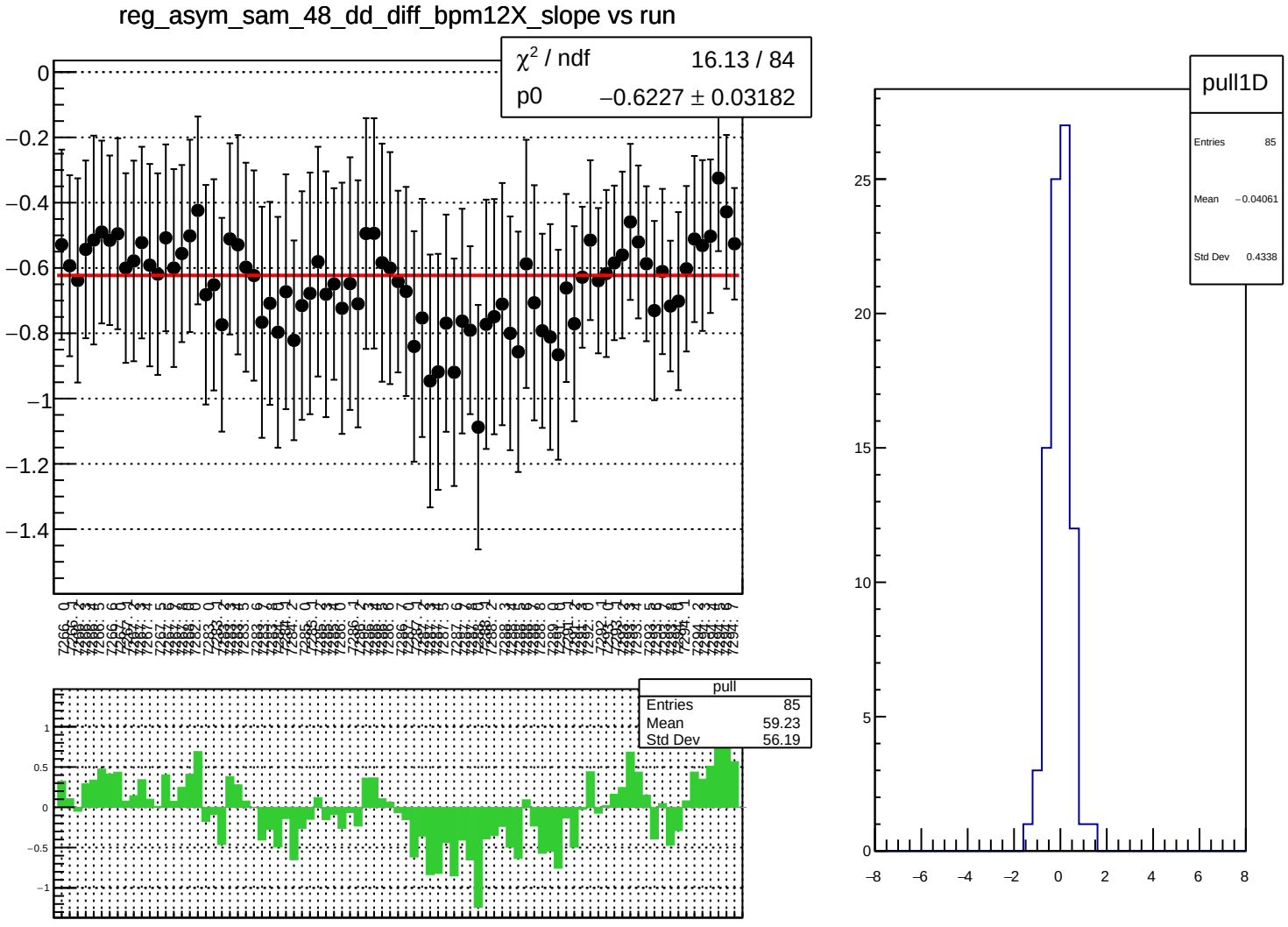

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 534.9 / 84
p0 −67.88 ± 0.6623
pull
Entries 85
Mean −190.4
Std Dev 181.5

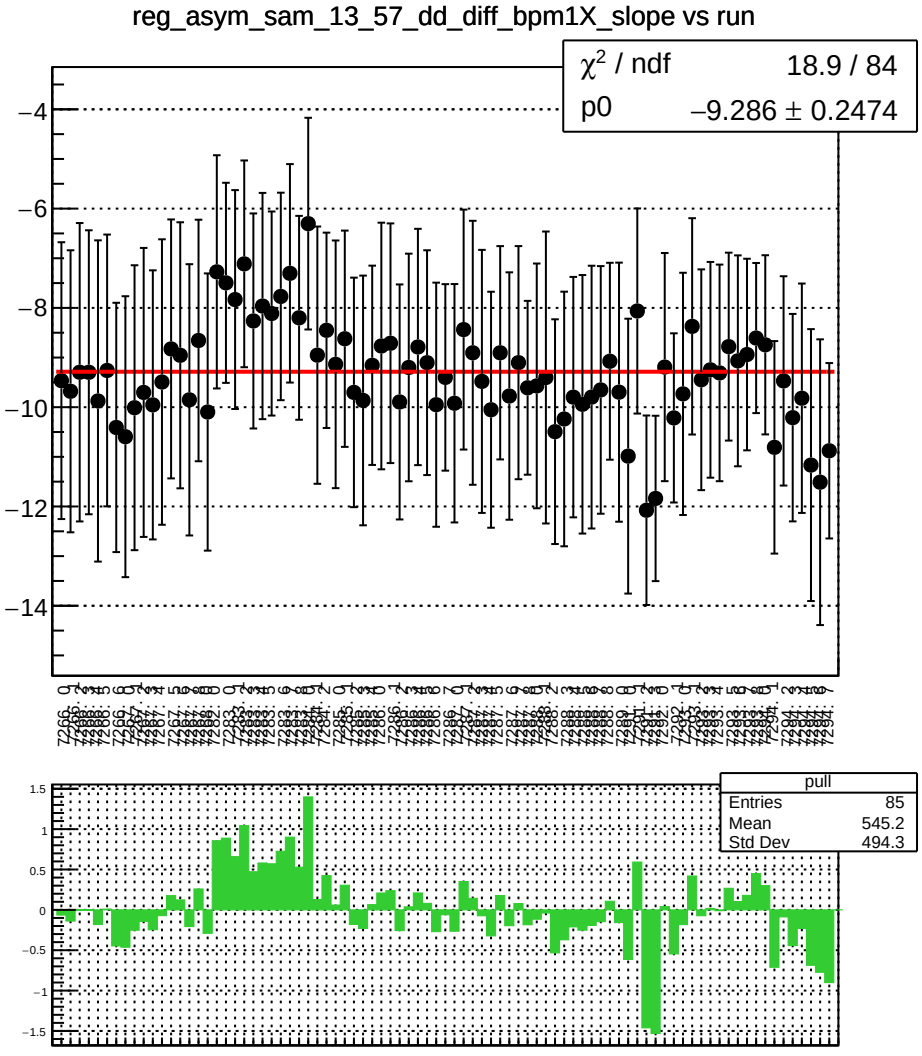

pull1D
Entries 85
Mean 0.04823
Std Dev 2.508

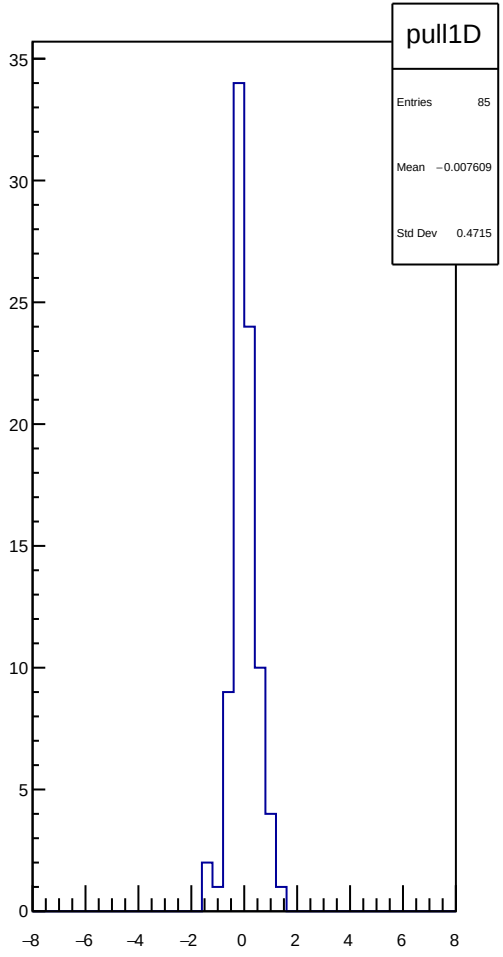

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 129.6 / 84
p0 48.24 ± 0.6373
pull
Entries 85
Mean 151.8
Std Dev 132
pull1D
Entries 85
Mean 0.0656
Std Dev 1.233

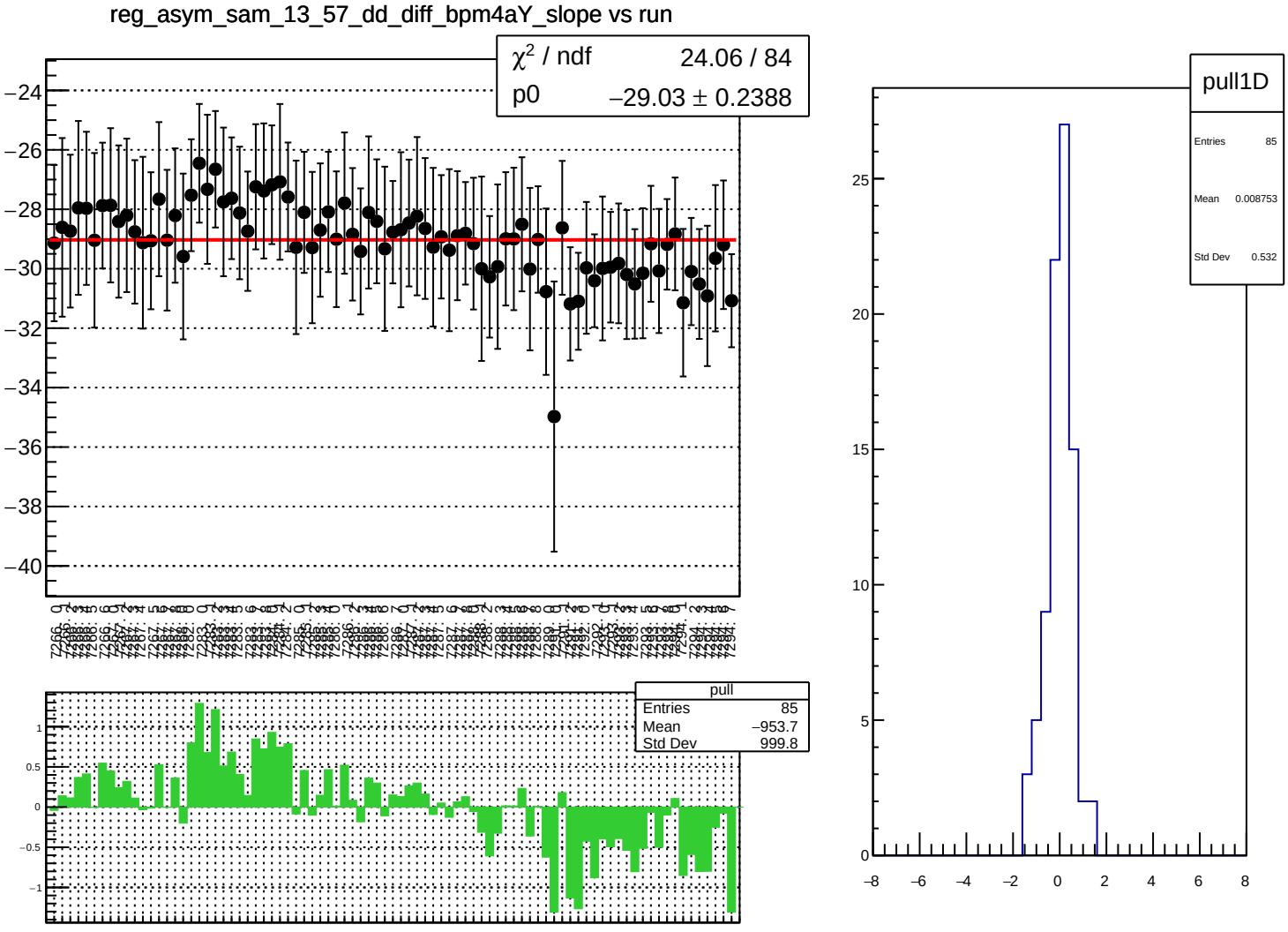

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 250.4 / 84
p0 1.058 ± 0.6623
pull
Entries 85
Mean −10.82
Std Dev 40.43
pull1D
Entries 85
Mean −0.1285
Std Dev 1.712

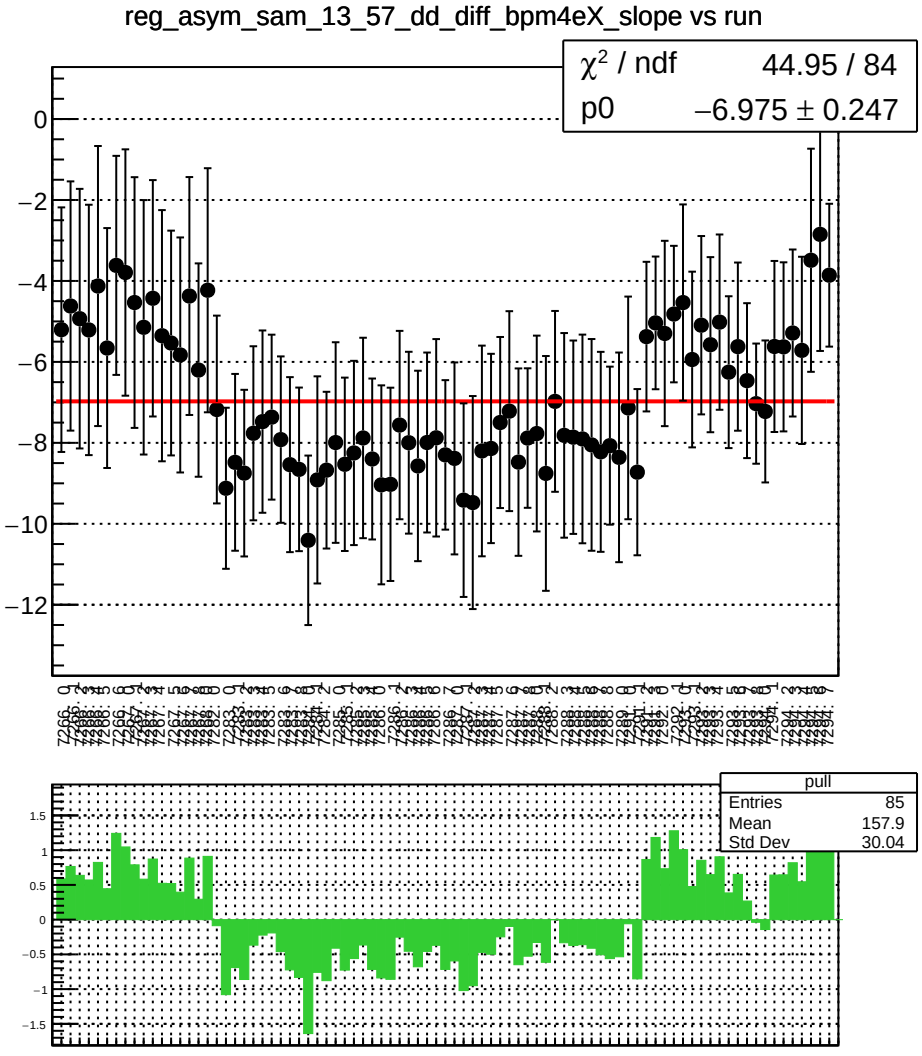

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.52 / 84
p0 56.48 ± 0.6699
pull
Entries 85
Mean −108.9
Std Dev 154.7
pull1D
Entries 85
Mean 0.04326
Std Dev 0.9843

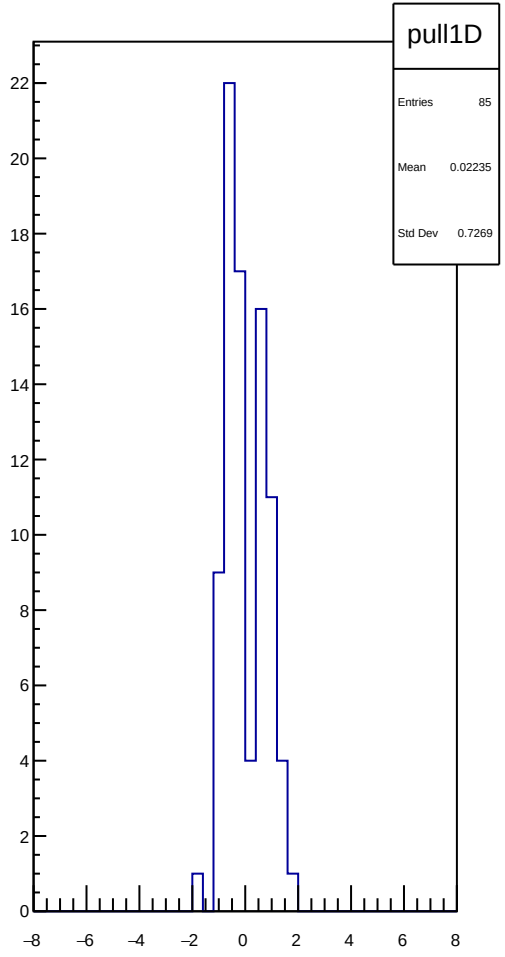

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 16.13 / 84
p0 −0.6227 ± 0.03182
pull
Entries 85
Mean 59.23
Std Dev 56.19
pull1D
Entries 85
Mean −0.04061
Std Dev 0.4338

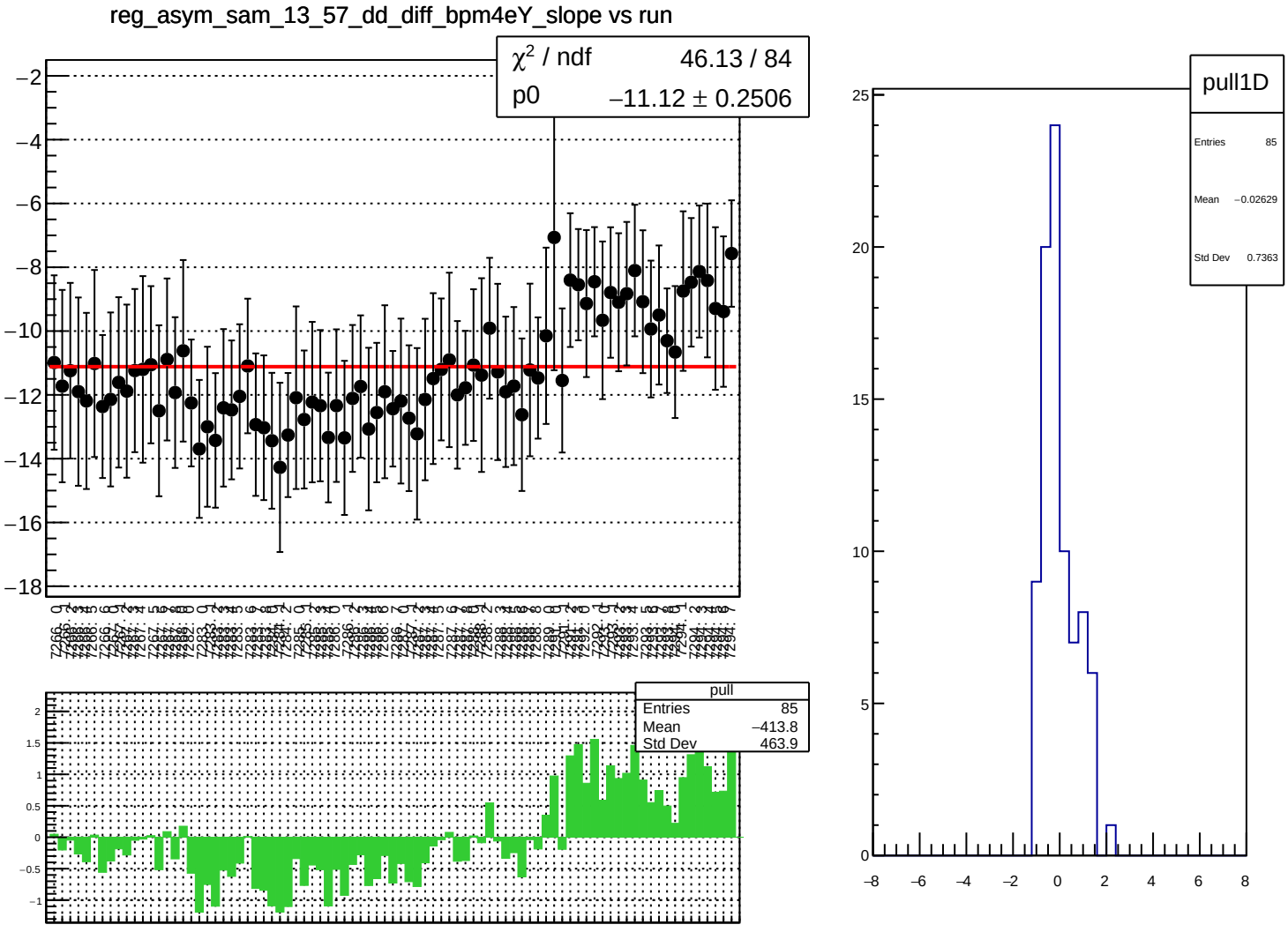

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 18.9 / 84
p0 −9.286 ± 0.2474
pull
Entries 85
Mean 545.2
Std Dev 494.3

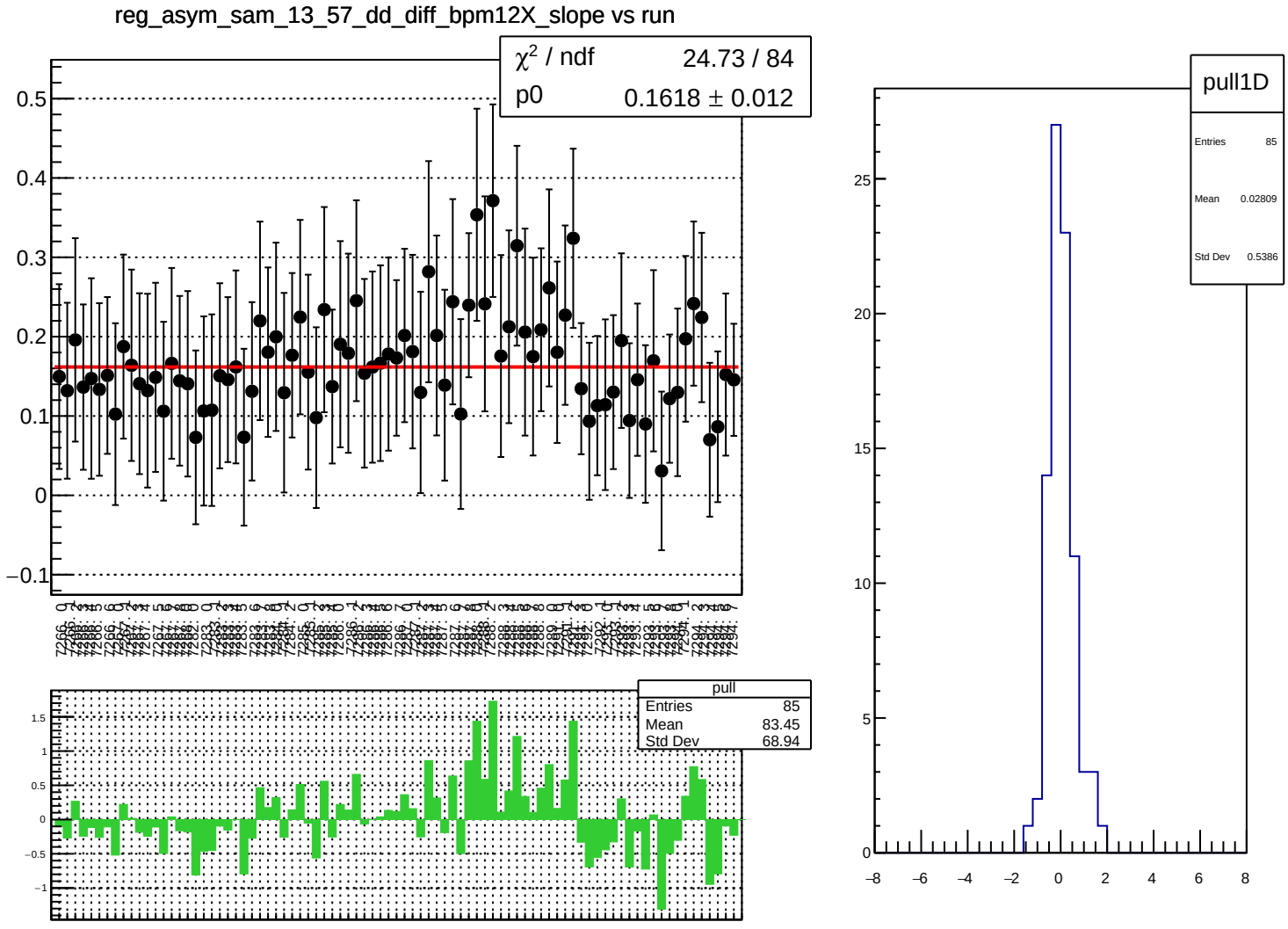

pull1D
Entries 85
Mean −0.007609
Std Dev 0.4715

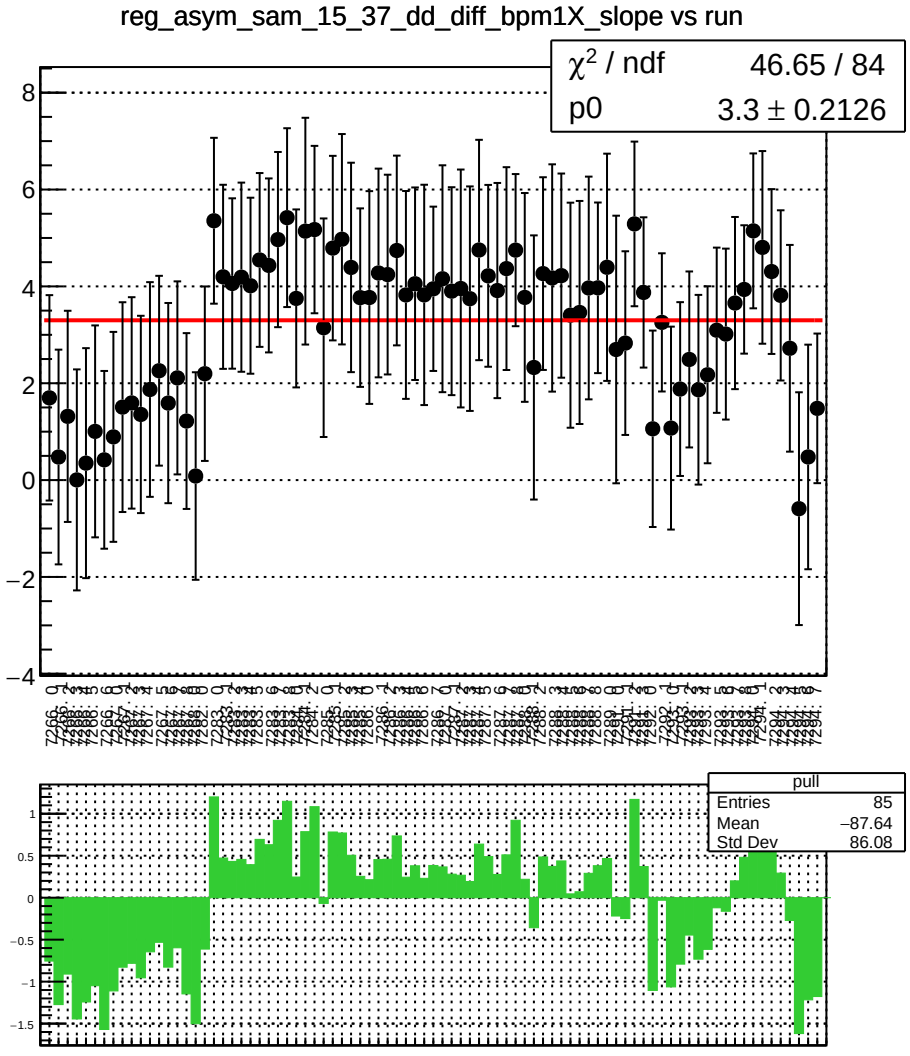

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 24.06 / 84
p0 −29.03 ± 0.2388
pull
Entries 85
Mean −953.7
Std Dev 999.8
pull1D
Entries 85
Mean 0.008753
Std Dev 0.532

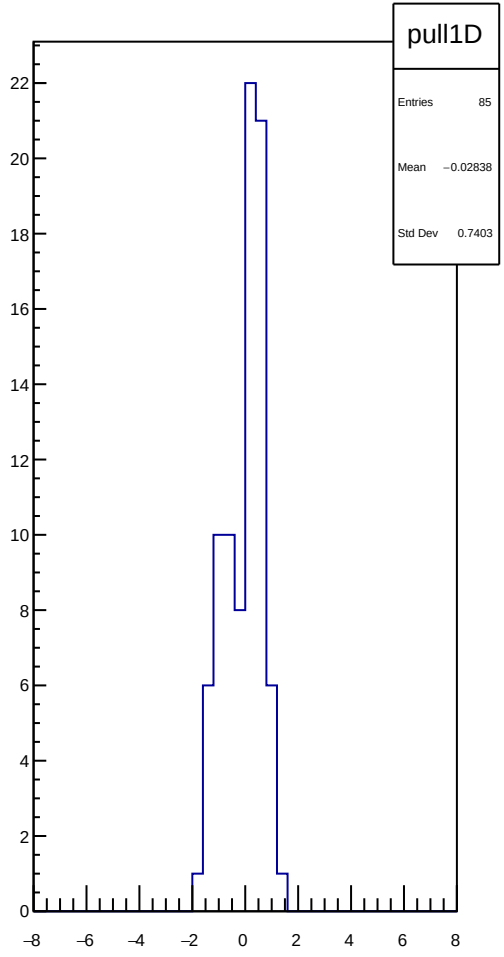

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 44.95 / 84
p0 −6.975 ± 0.247
pull
Entries 85
Mean 157.9
Std Dev 30.04

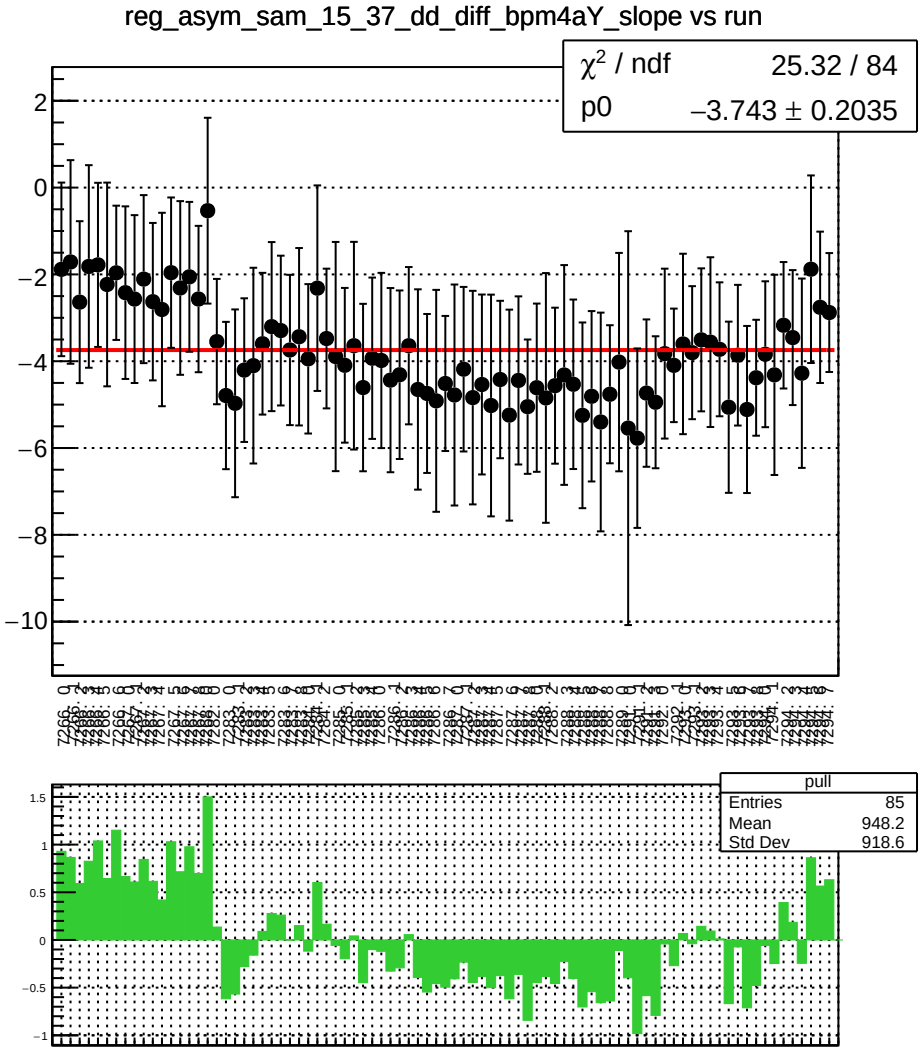

pull1D
Entries 85
Mean 0.02235
Std Dev 0.7269

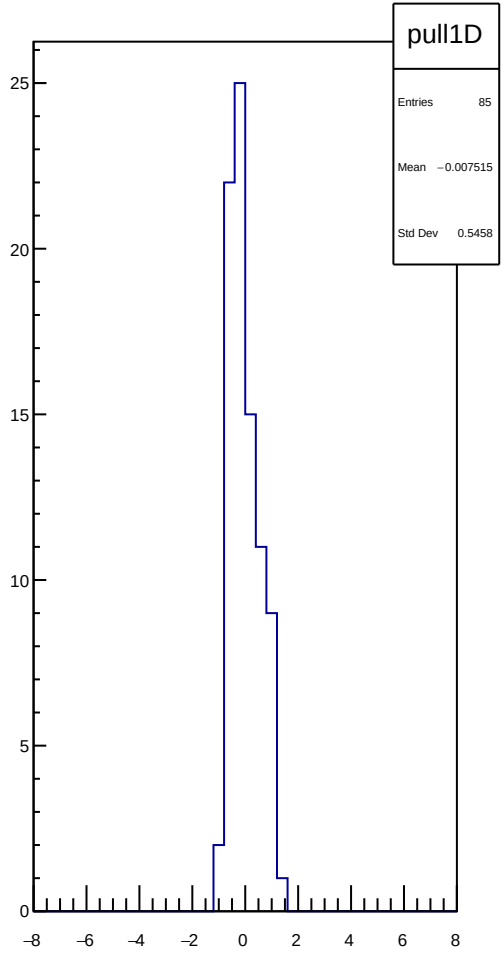

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.13 / 84
p0 −11.12 ± 0.2506
pull
Entries 85
Mean −413.8
Std Dev 463.9
pull1D
Entries 85
Mean −0.02629
Std Dev 0.7363

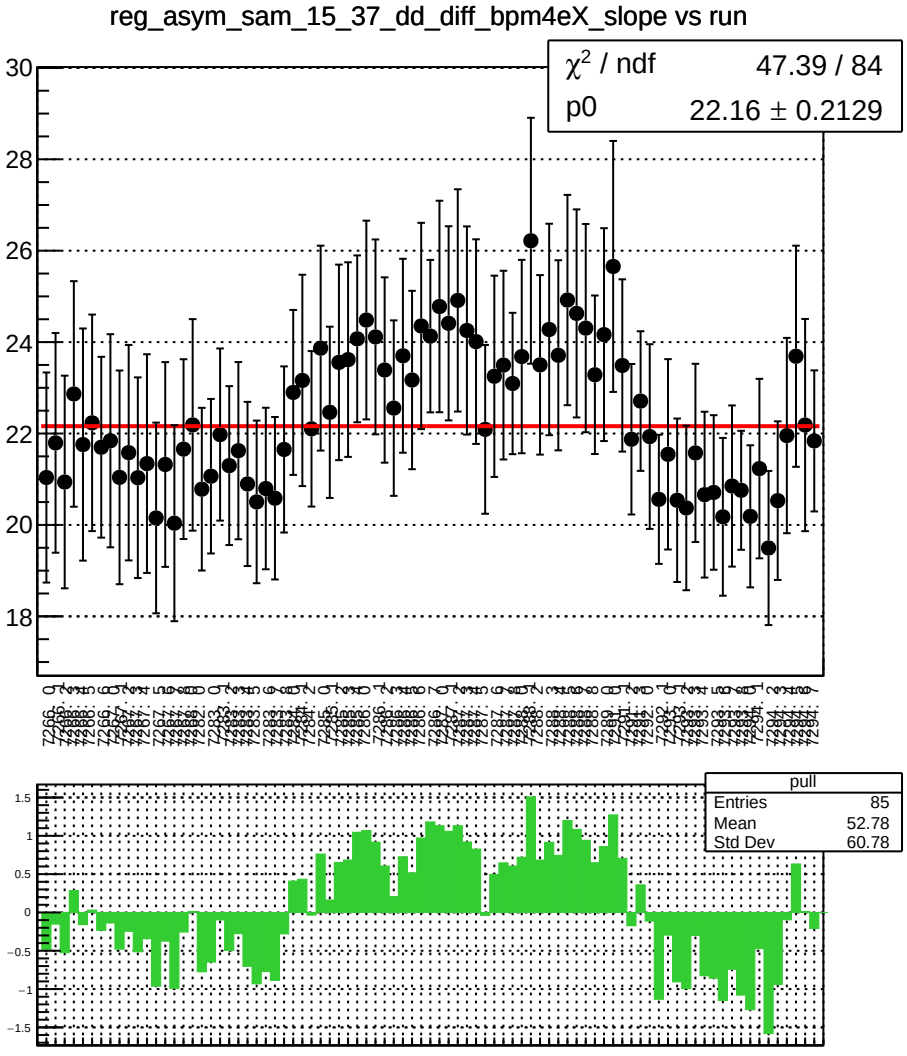

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 24.73 / 84
p0 0.1618 ± 0.012
pull
Entries 85
Mean 83.45
Std Dev 68.94
pull1D
Entries 85
Mean 0.02809
Std Dev 0.5386

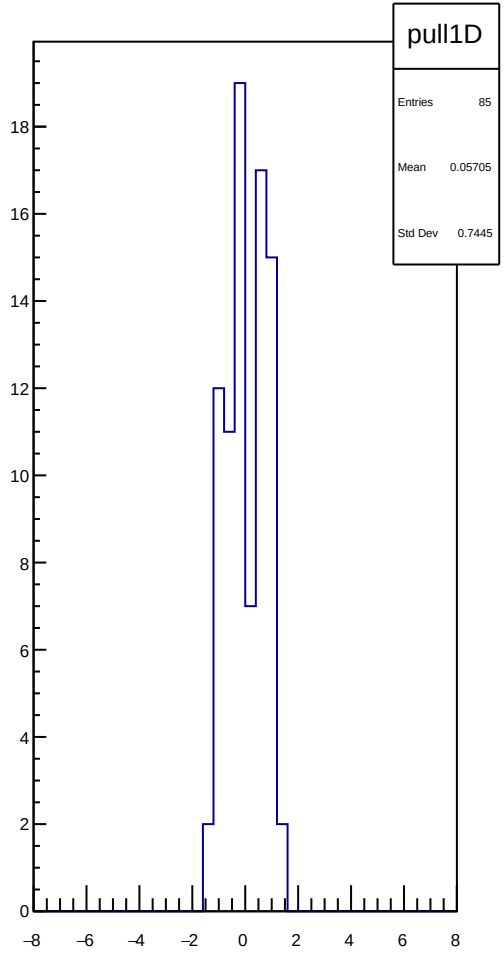

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 46.65 / 84
p0 3.3 ± 0.2126
pull
Entries 85
Mean −87.64
Std Dev 86.08


pull1D
Entries 85
Mean −0.02838
Std Dev 0.7403

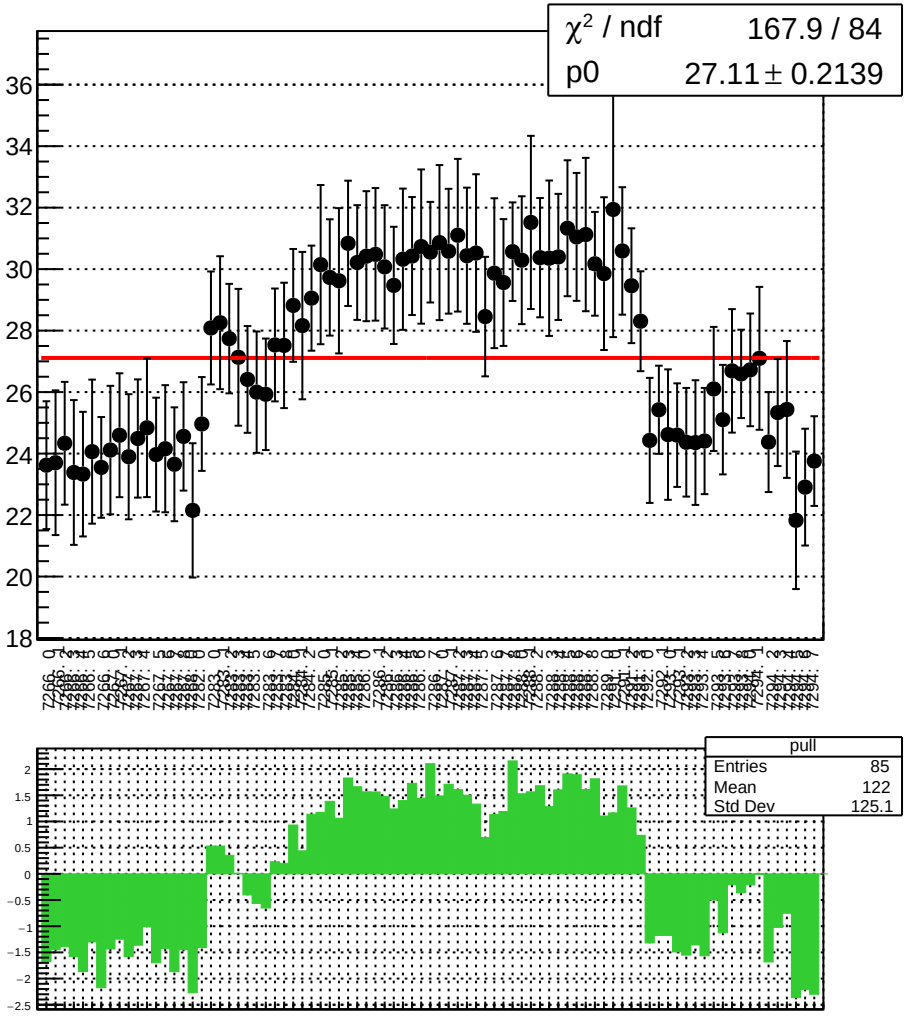

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 25.32 / 84
p0 −3.743 ± 0.2035
pull
Entries 85
Mean 948.2
Std Dev 918.6

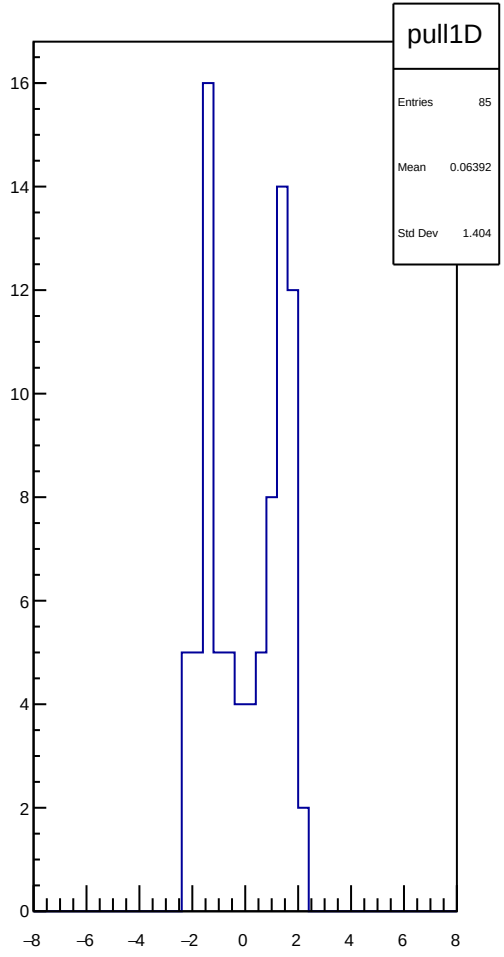

pull1D
Entries 85
Mean −0.007515
Std Dev 0.5458

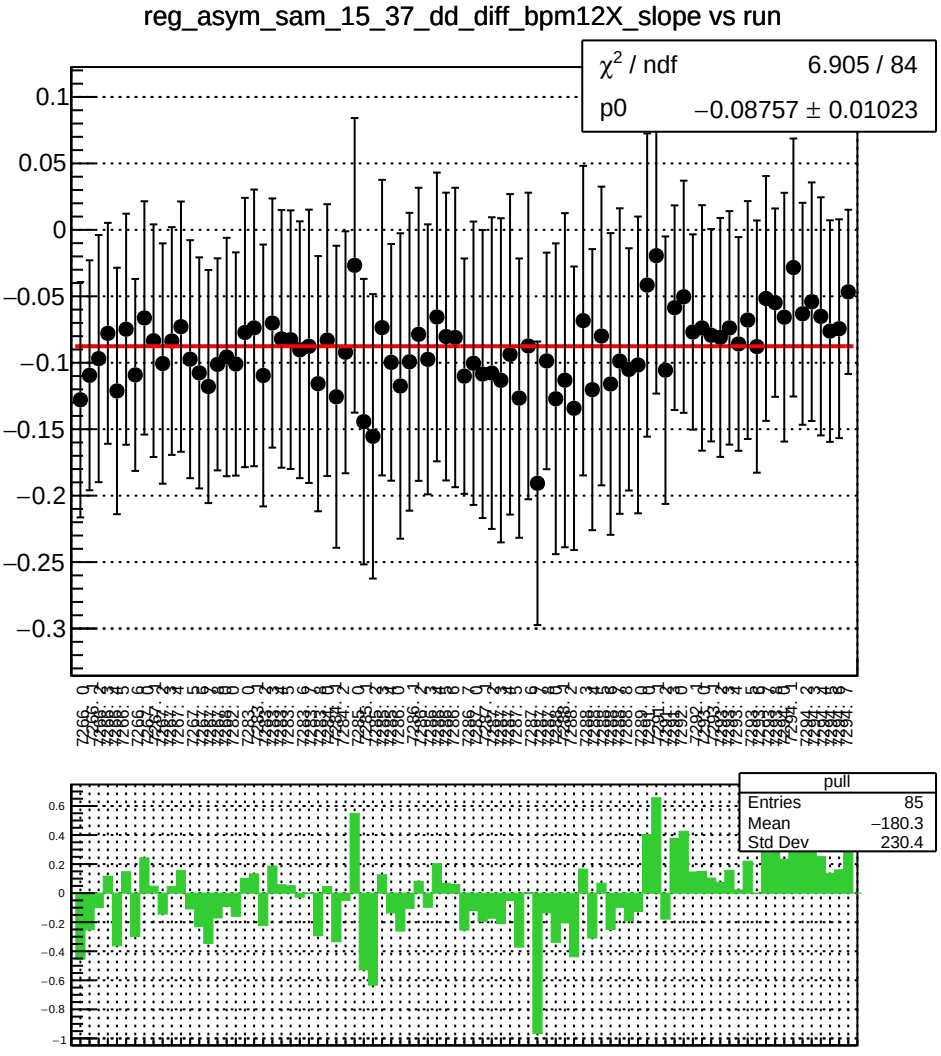

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.39 / 84
p0 22.16 ± 0.2129
pull
Entries 85
Mean 52.78
Std Dev 60.78

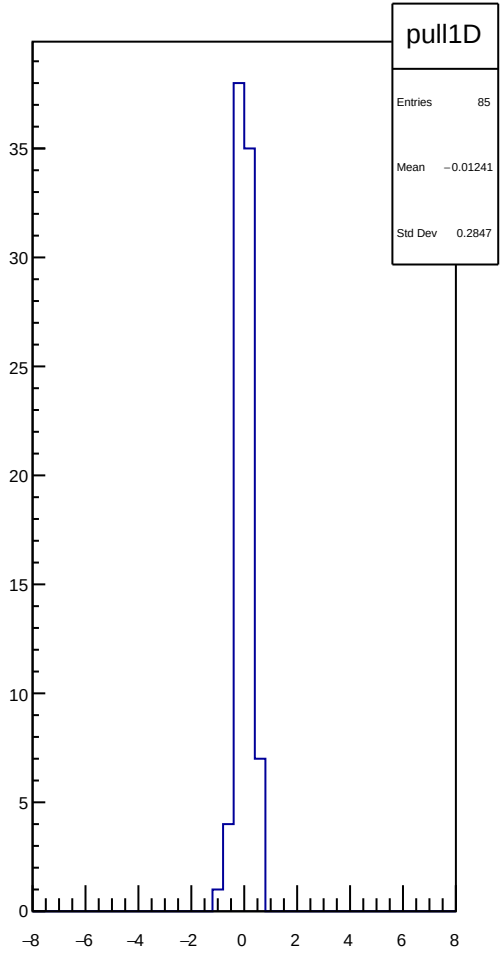

pull1D
Entries 85
Mean 0.05705
Std Dev 0.7445

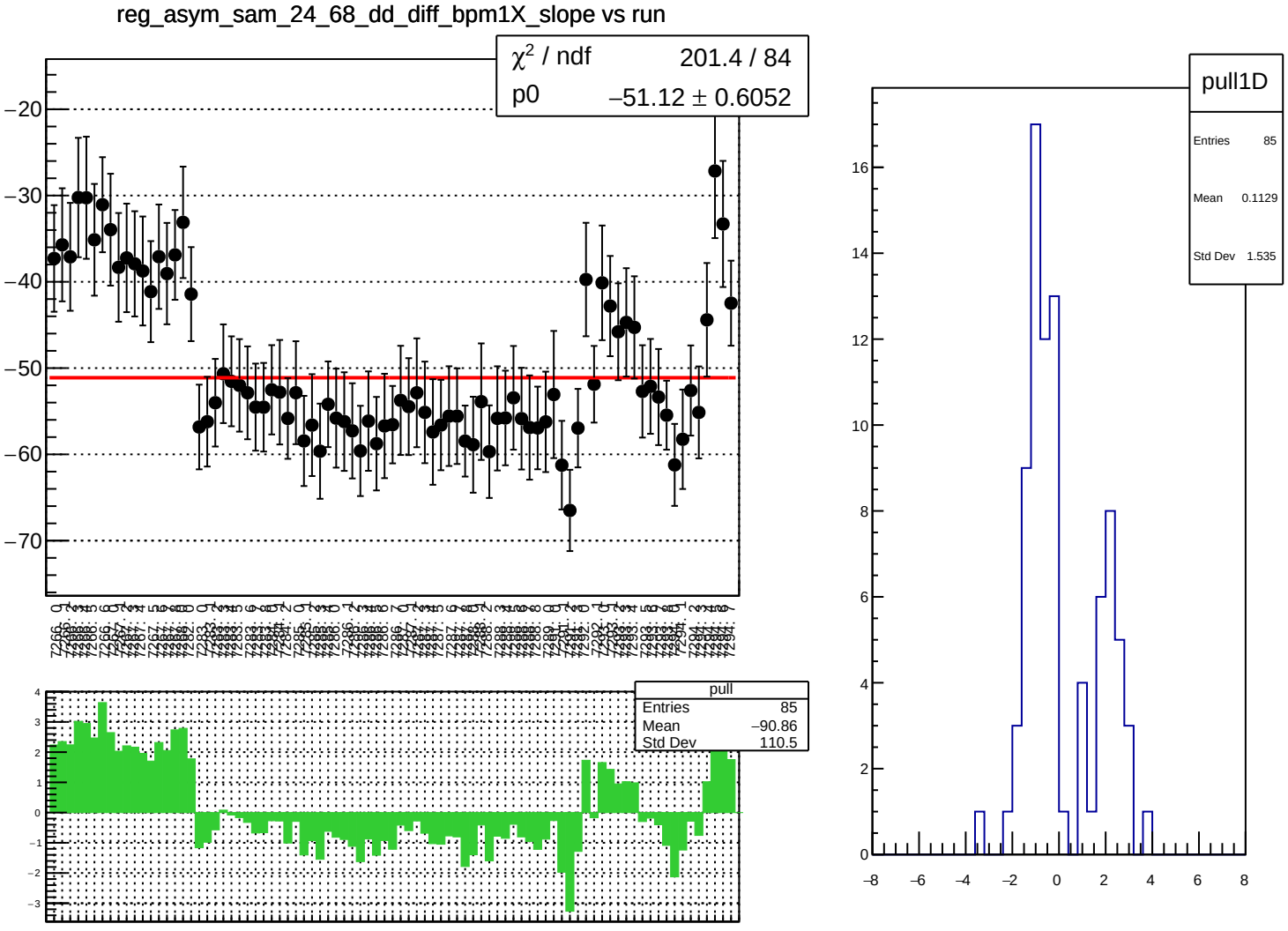
reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run

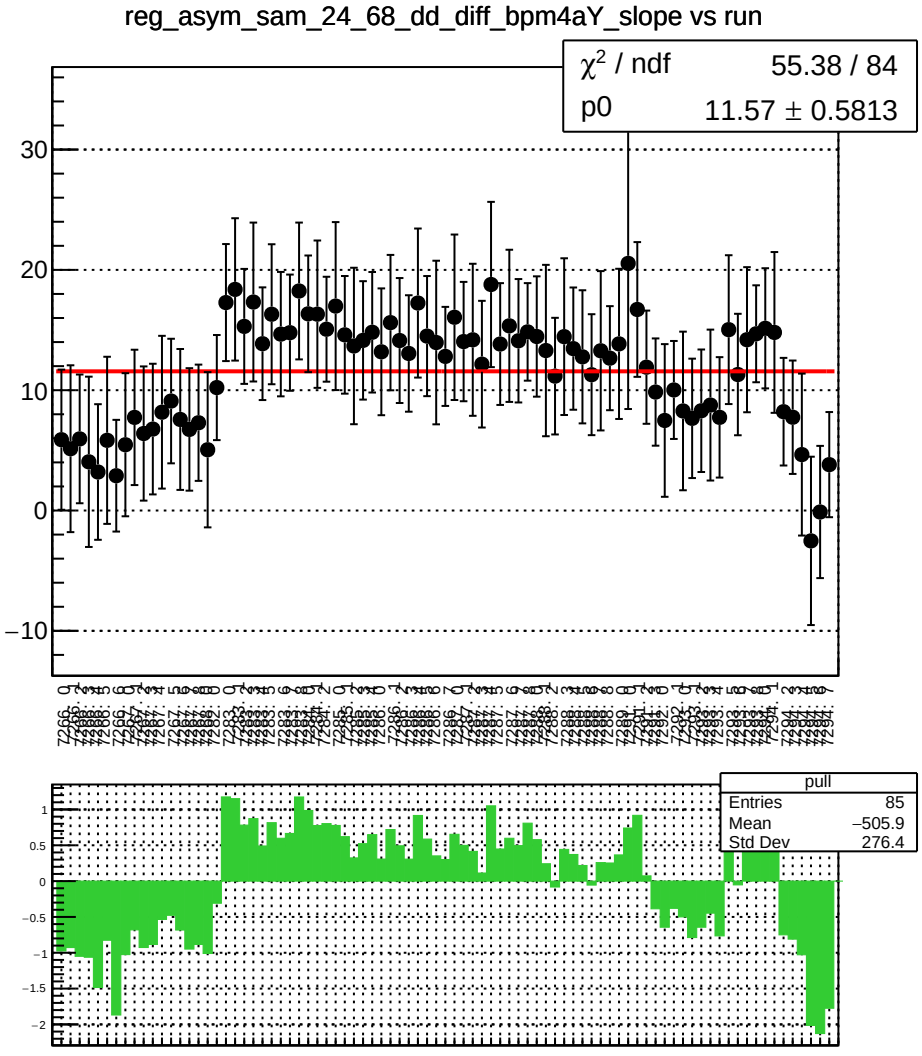


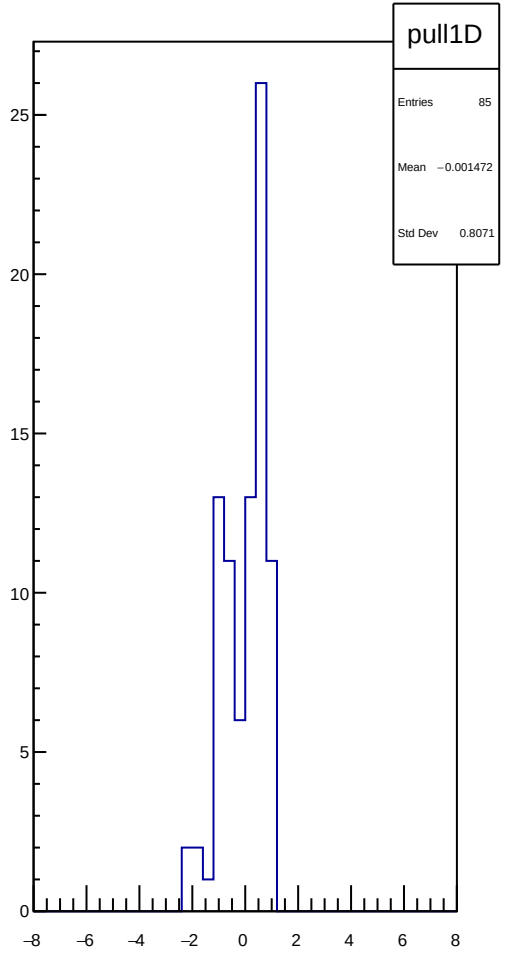


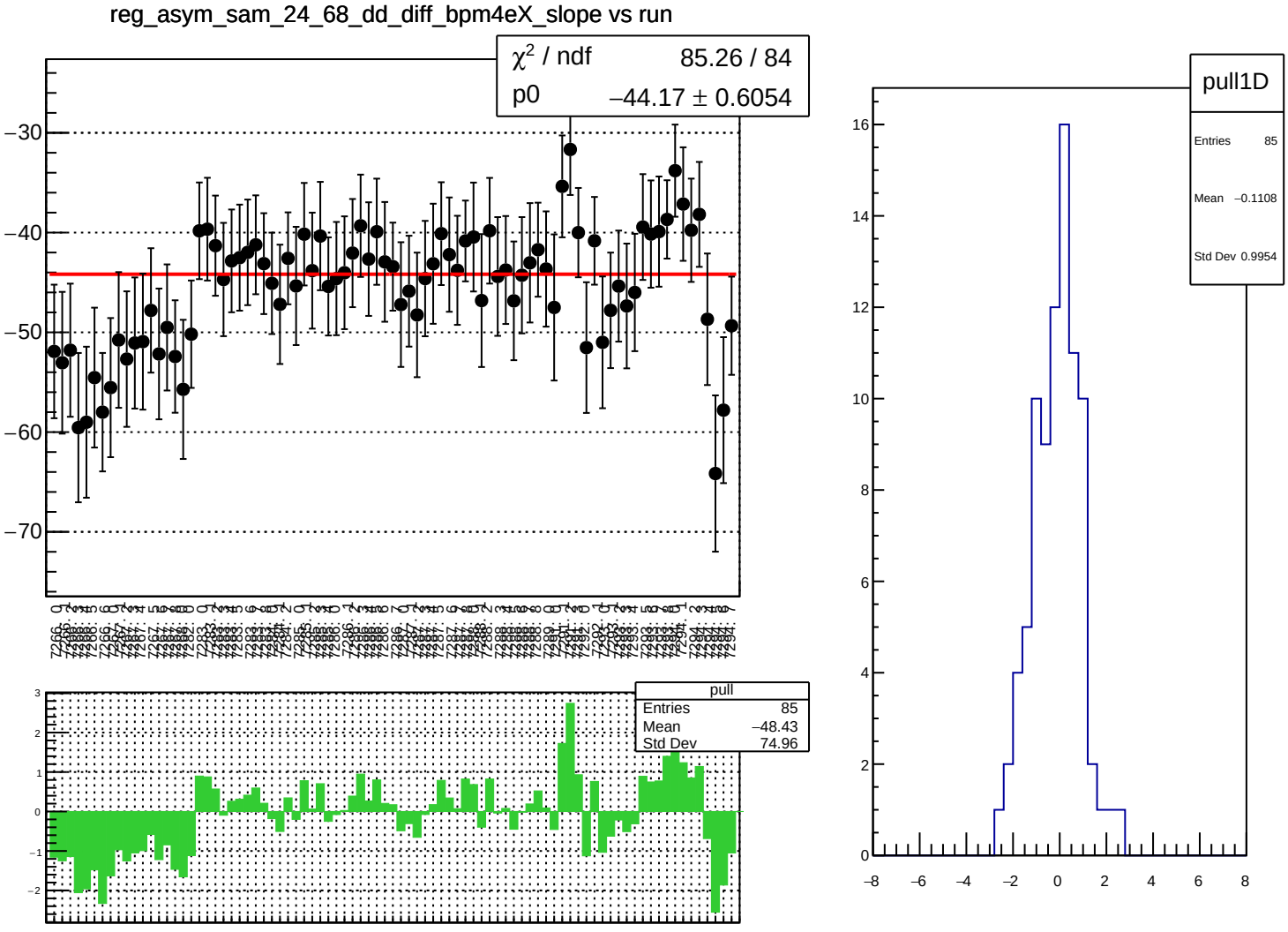

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ^2 / ndf 6.905 / 84
p0 −0.08757 ± 0.01023
pull
Entries 85
Mean −180.3
Std Dev 230.4

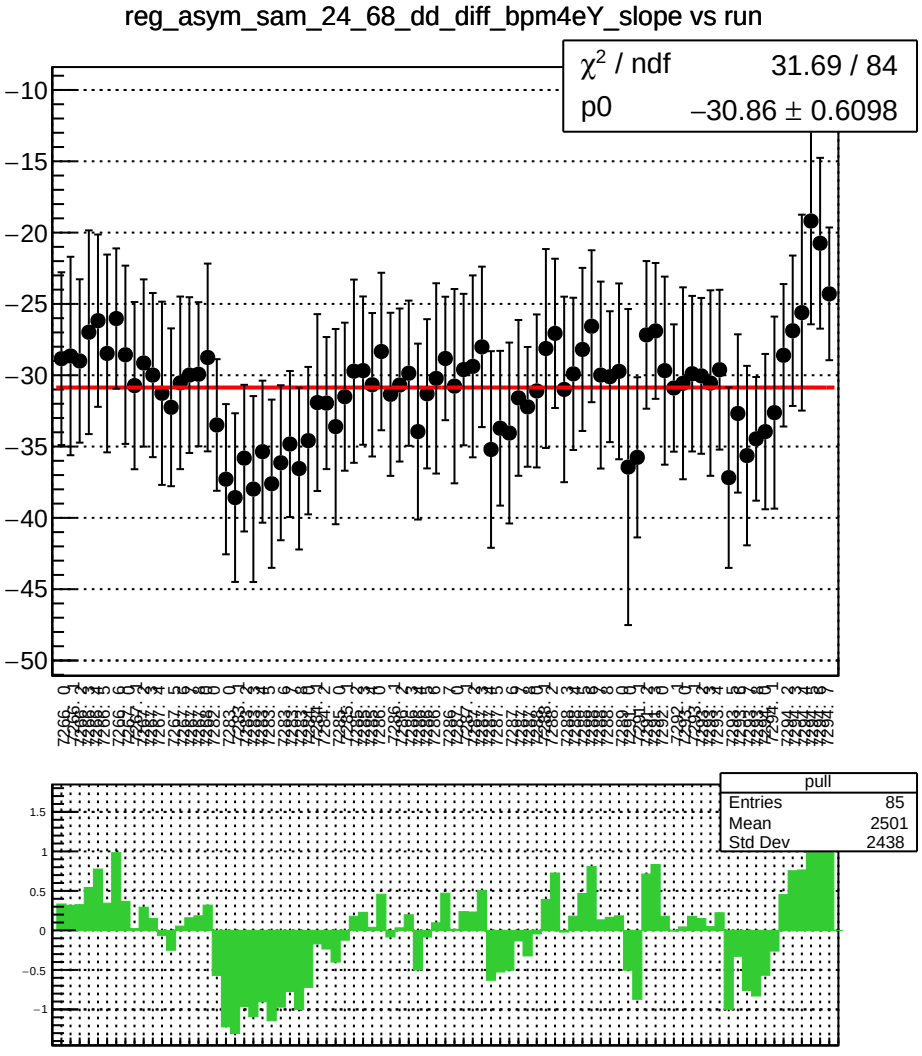

pull1D
Entries 85
Mean −0.01241
Std Dev 0.2847

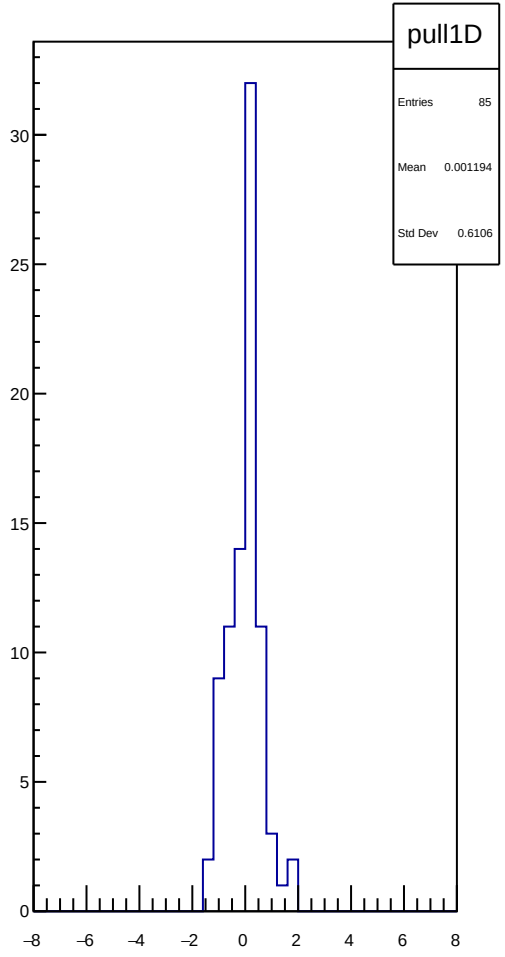

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 201.4 / 84
p0 −51.12 ± 0.6052
pull
Entries 85
Mean −90.86
Std Dev 110.5
pull1D
Entries 85
Mean 0.1129
Std Dev 1.535

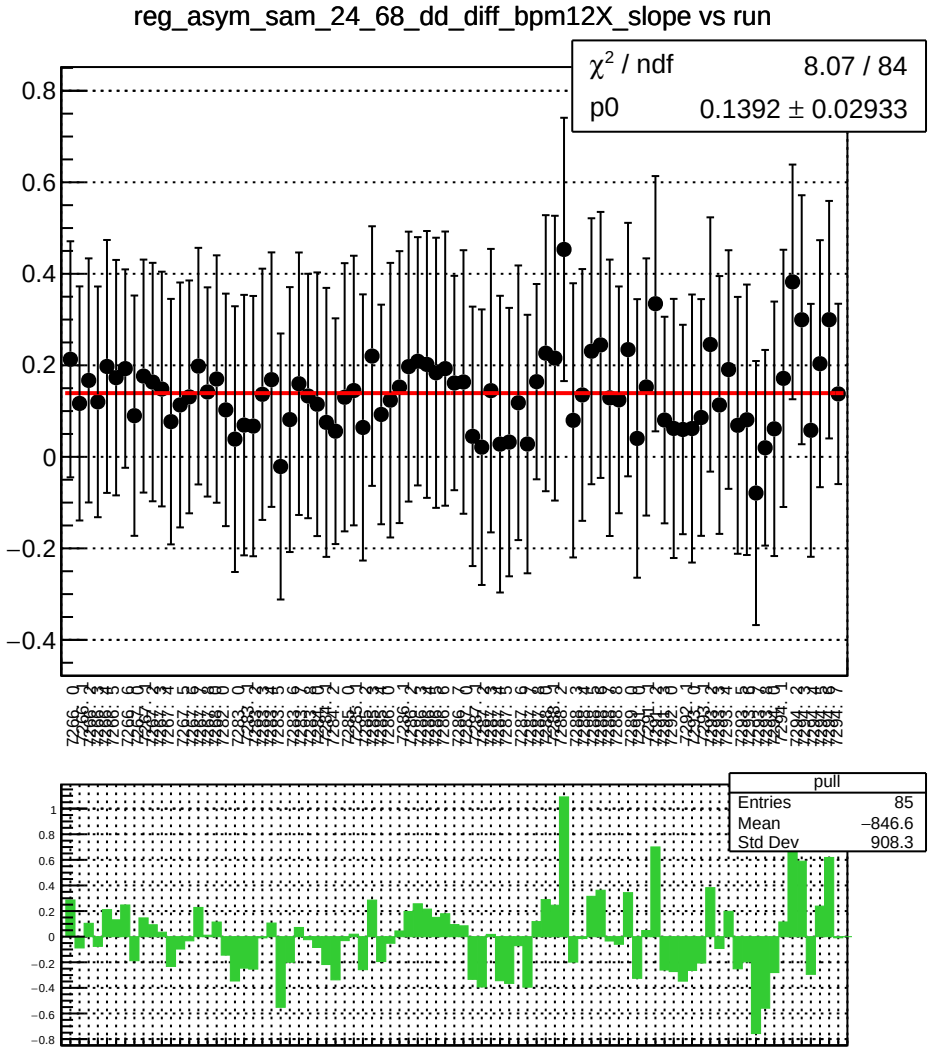

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.38 / 84
p0 11.57 ± 0.5813
pull
Entries 85
Mean −505.9
Std Dev 276.4

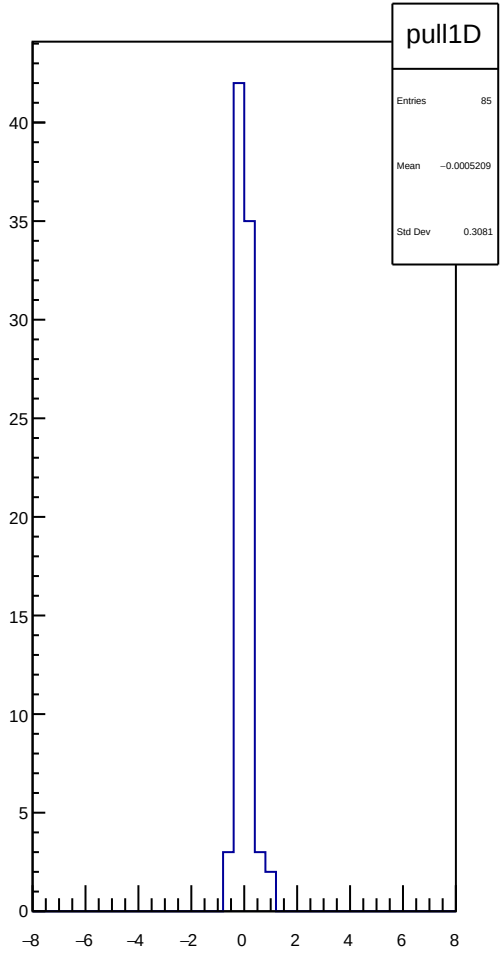

pull1D
Entries 85
Mean −0.001472
Std Dev 0.8071

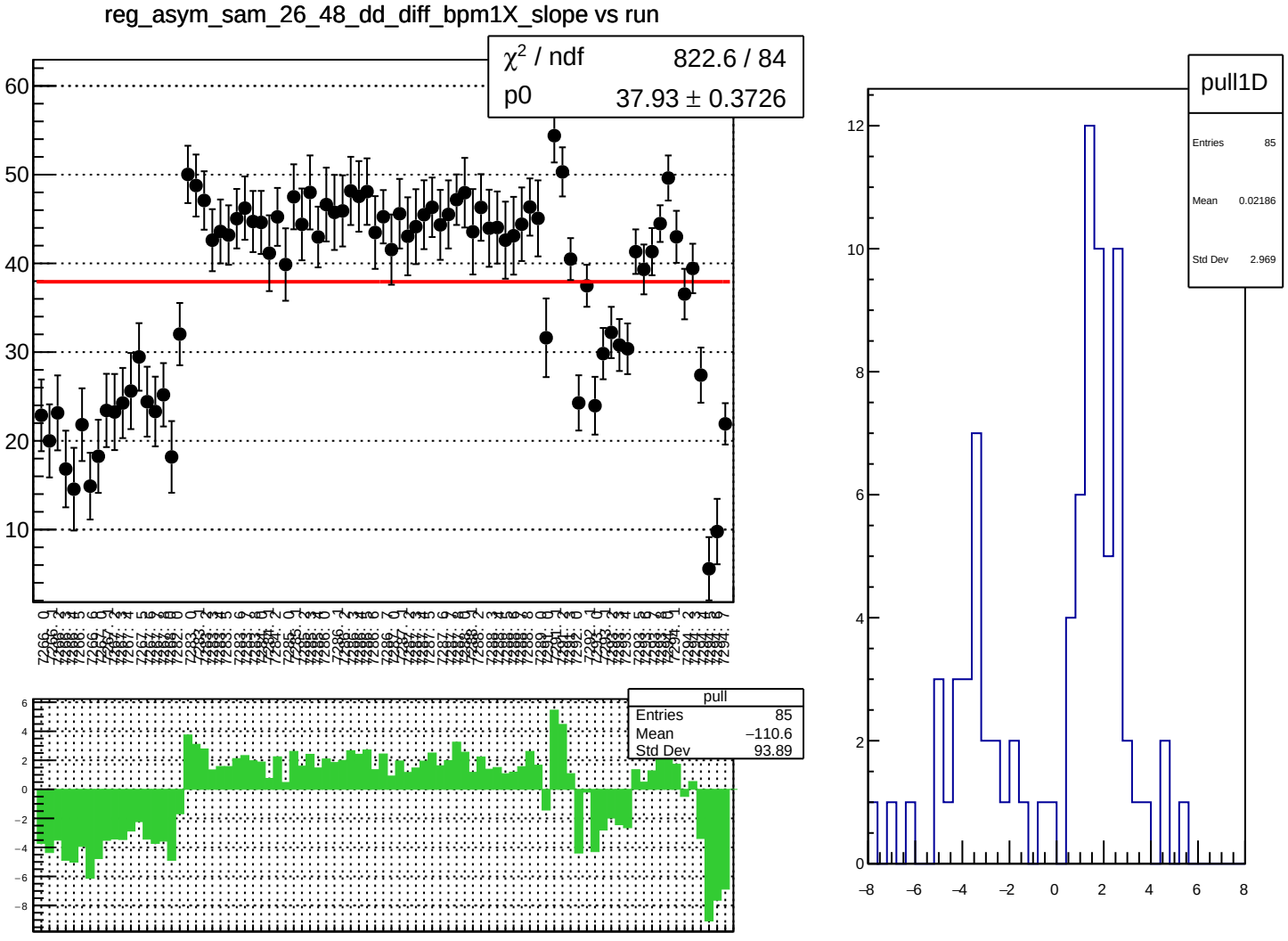

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.26 / 84
p0 −44.17 ± 0.6054
pull
Entries 85
Mean −48.43
Std Dev 74.96
pull1D
Entries 85
Mean −0.1108
Std Dev 0.9954

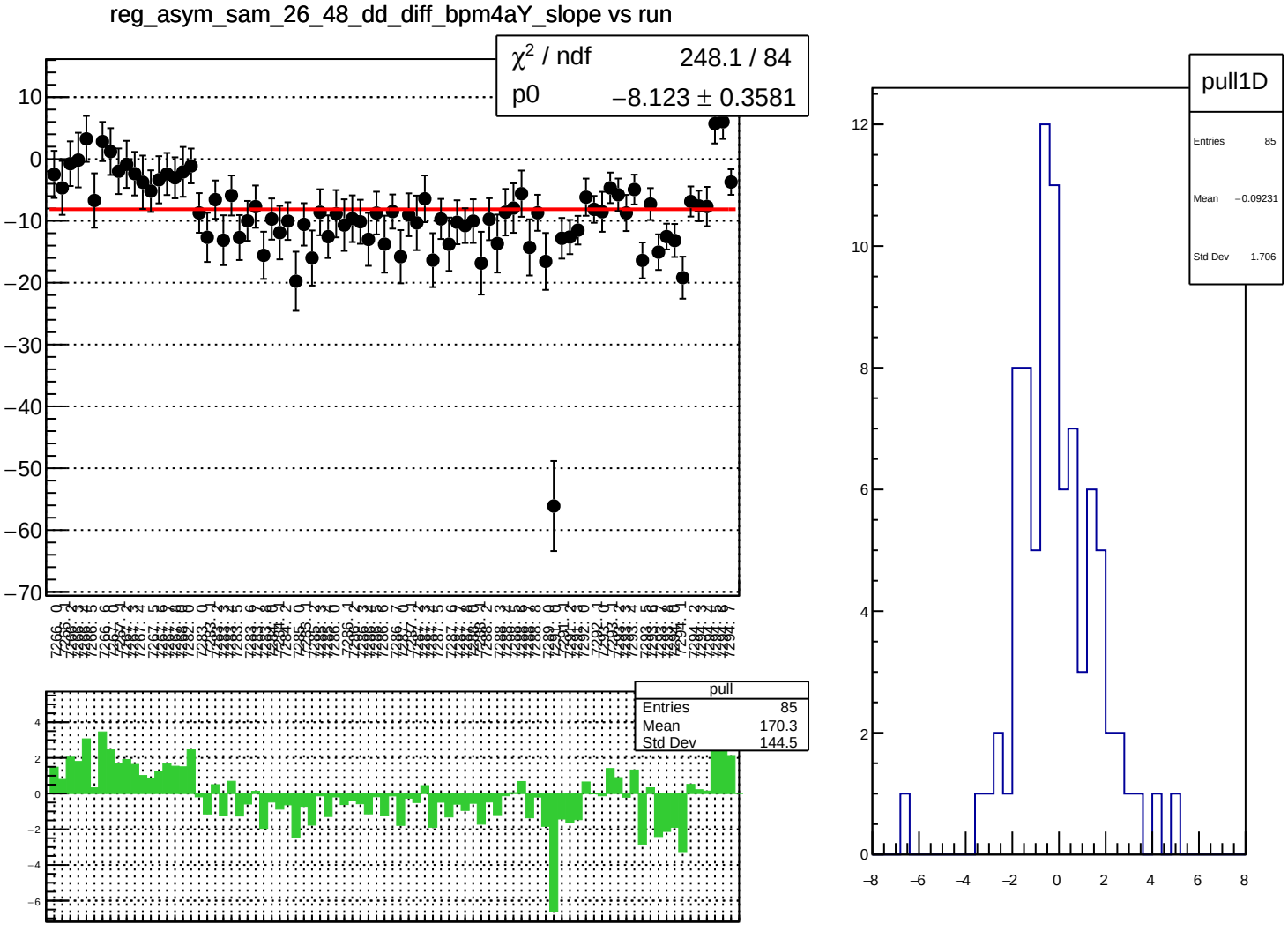

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 31.69 / 84
p0 −30.86 ± 0.6098
pull
Entries 85
Mean 2501
Std Dev 2438

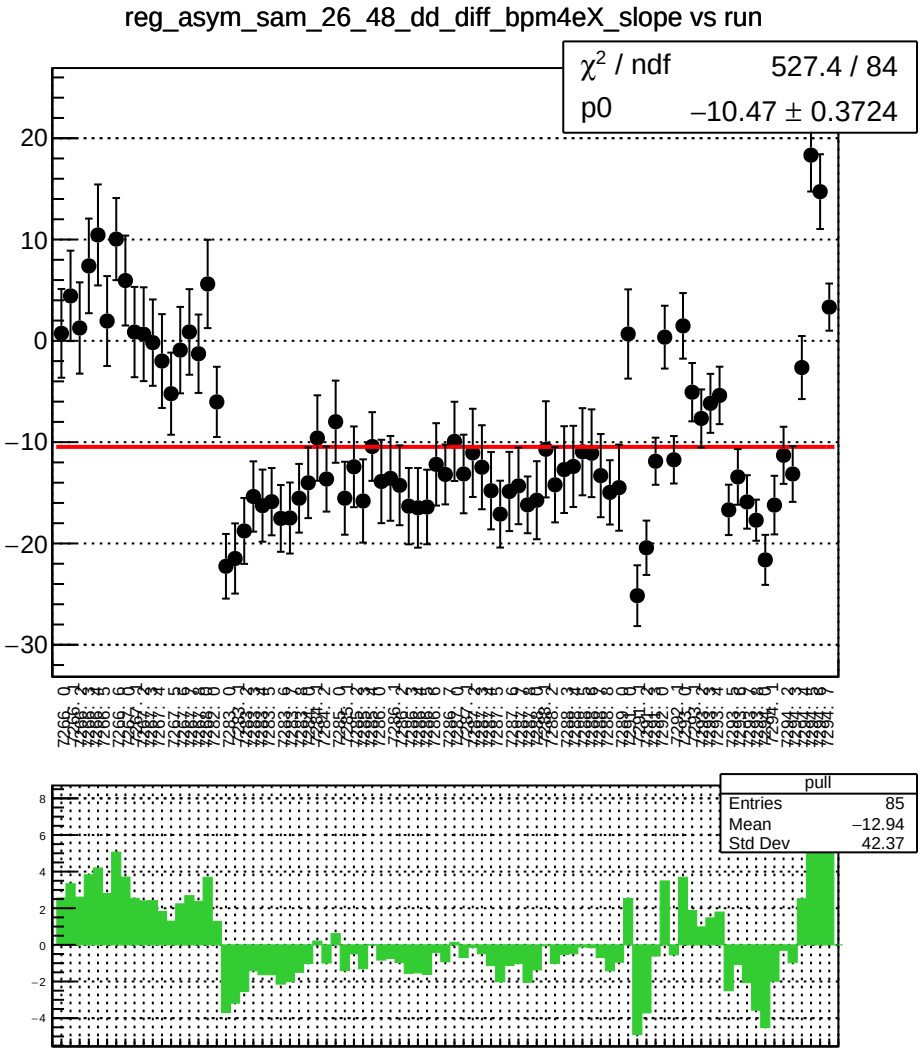

pull1D
Entries 85
Mean 0.001194
Std Dev 0.6106

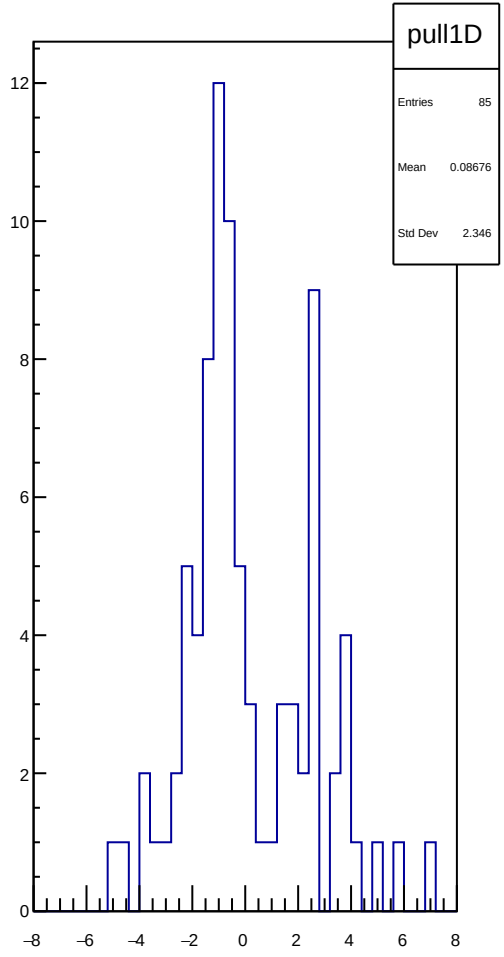

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 8.07 / 84
p0 0.1392 ± 0.02933
pull
Entries 85
Mean −846.6
Std Dev 908.3

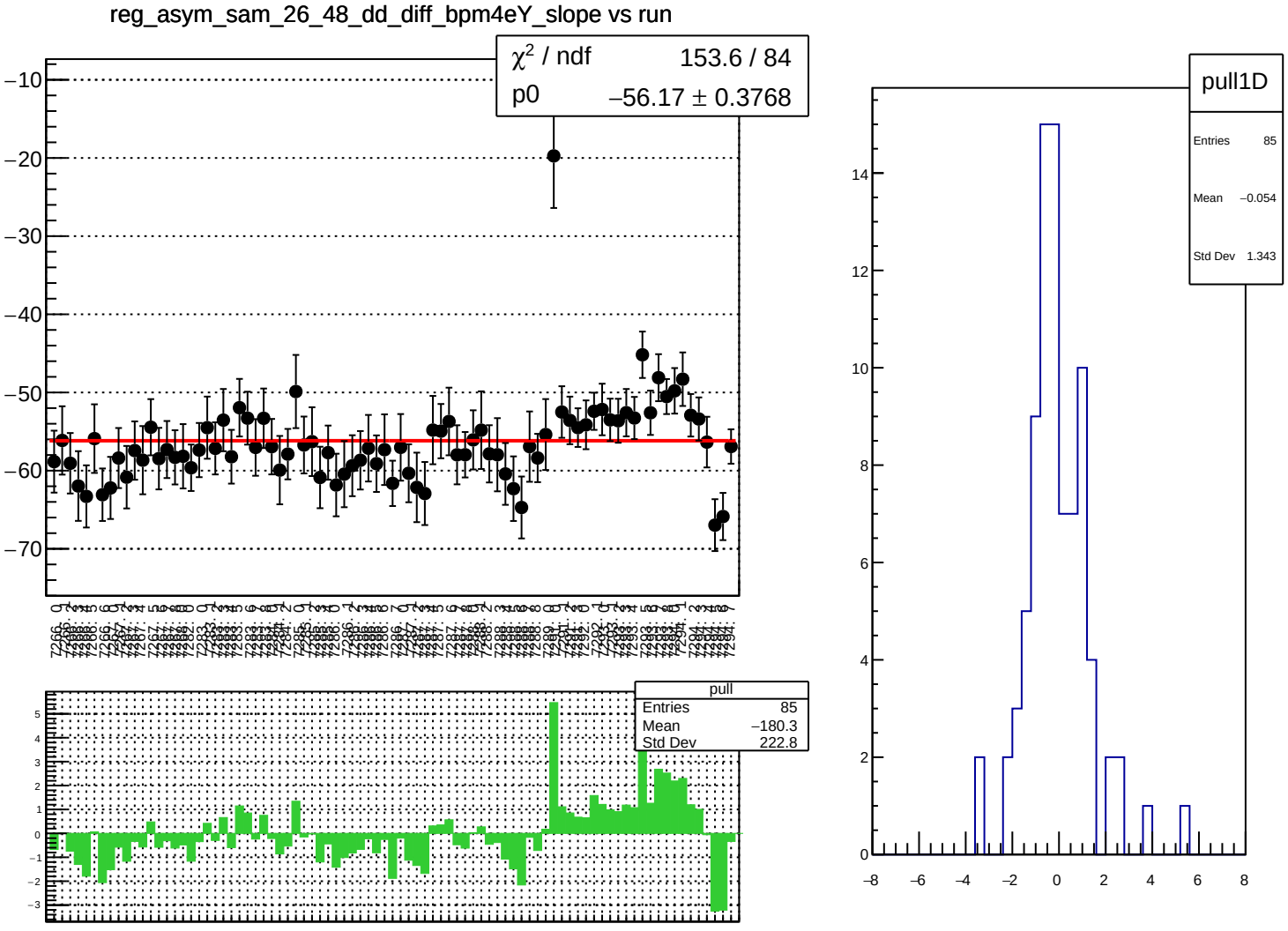

pull1D
Entries 85
Mean −0.0005209
Std Dev 0.3081

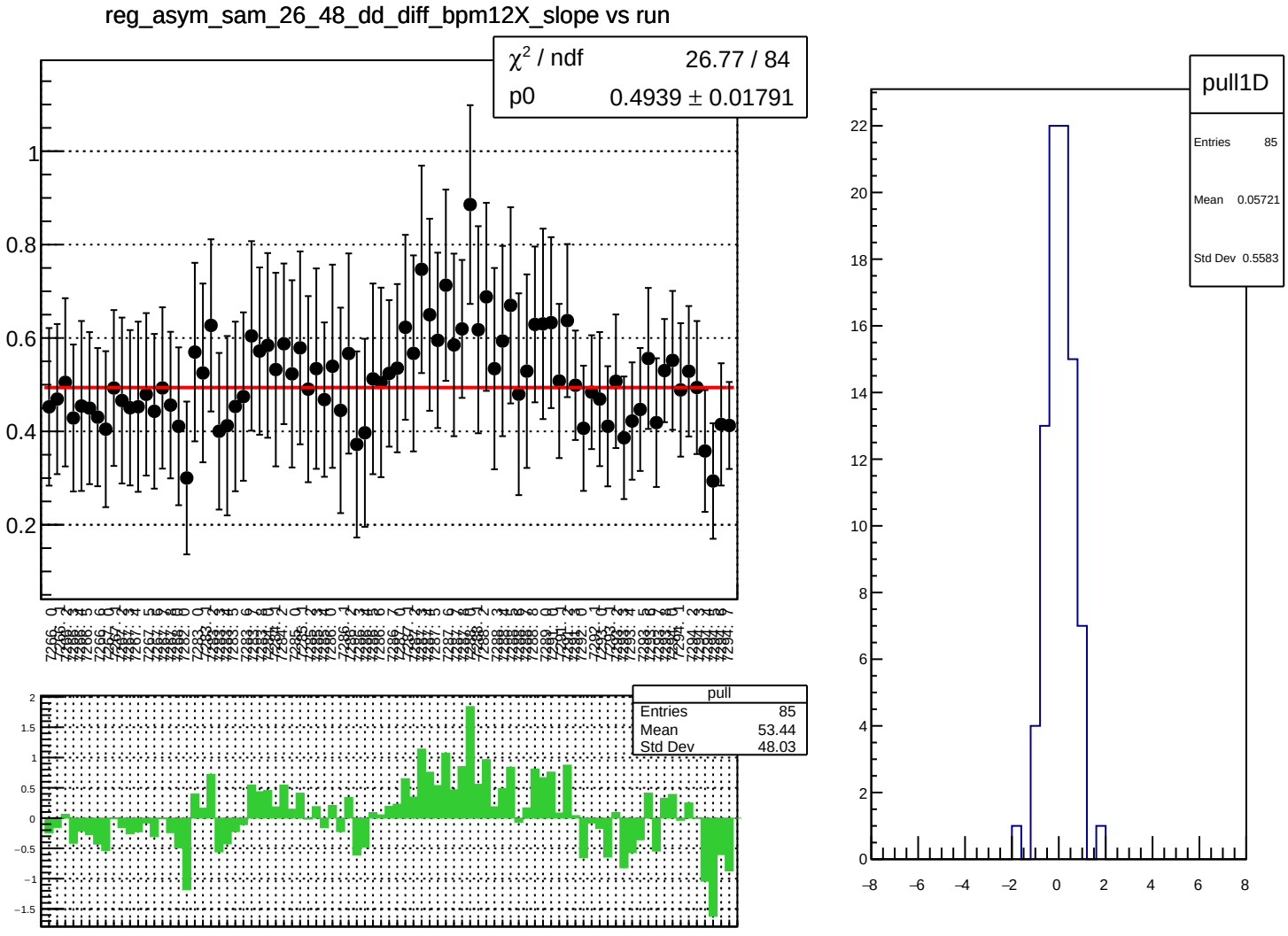

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 822.6 / 84
p0 37.93 ± 0.3726
pull
Entries 85
Mean −110.6
Std Dev 93.89
pull1D
Entries 85
Mean 0.02186
Std Dev 2.969

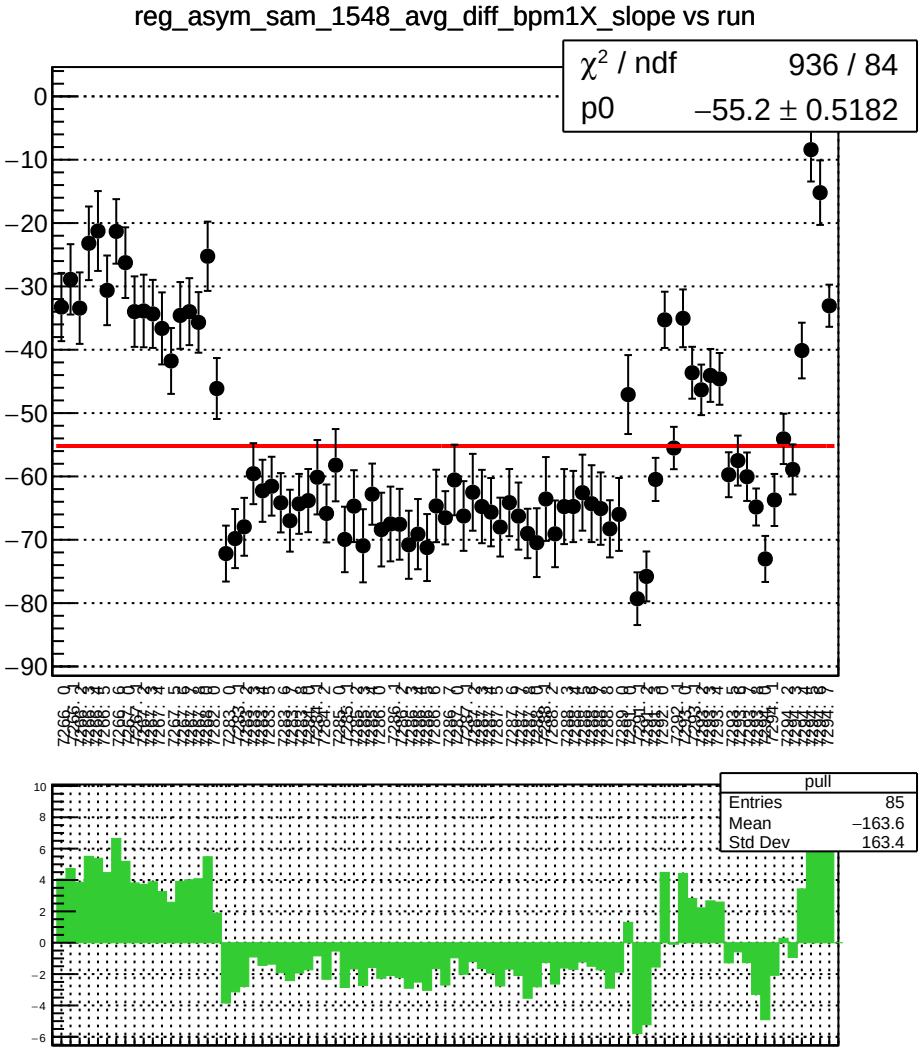

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 248.1 / 84
p0 −8.123 ± 0.3581
pull
Entries 85
Mean 170.3
Std Dev 144.5
pull1D
Entries 85
Mean −0.09231
Std Dev 1.706

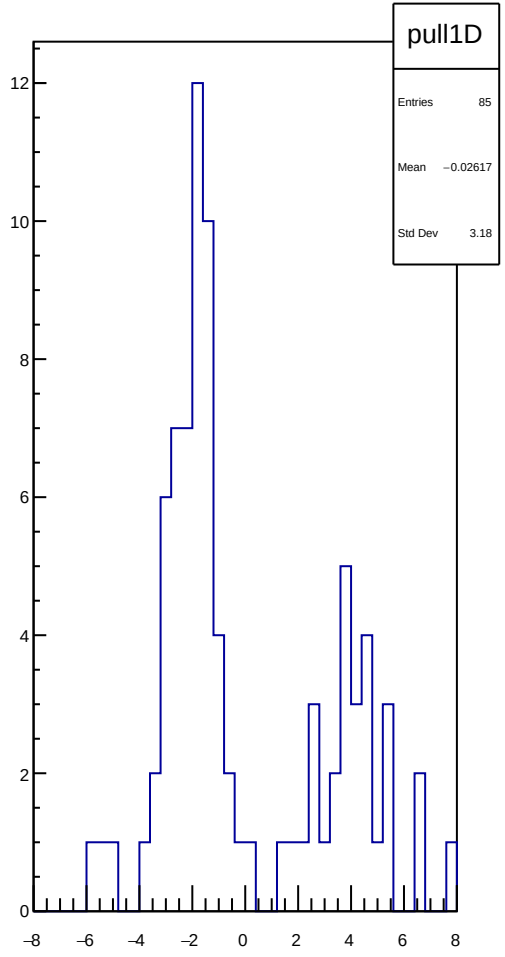

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 527.4 / 84
p0 −10.47 ± 0.3724
pull
Entries 85
Mean −12.94
Std Dev 42.37

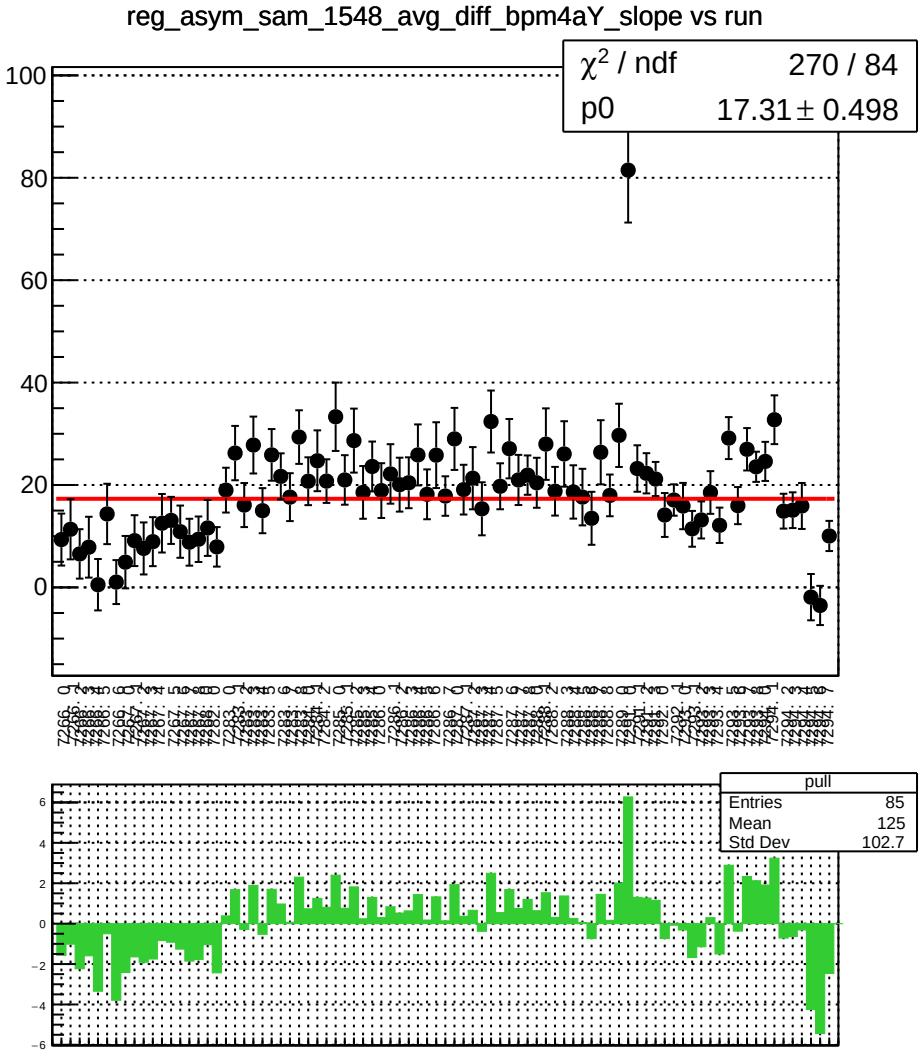

pull1D
Entries 85
Mean 0.08676
Std Dev 2.346

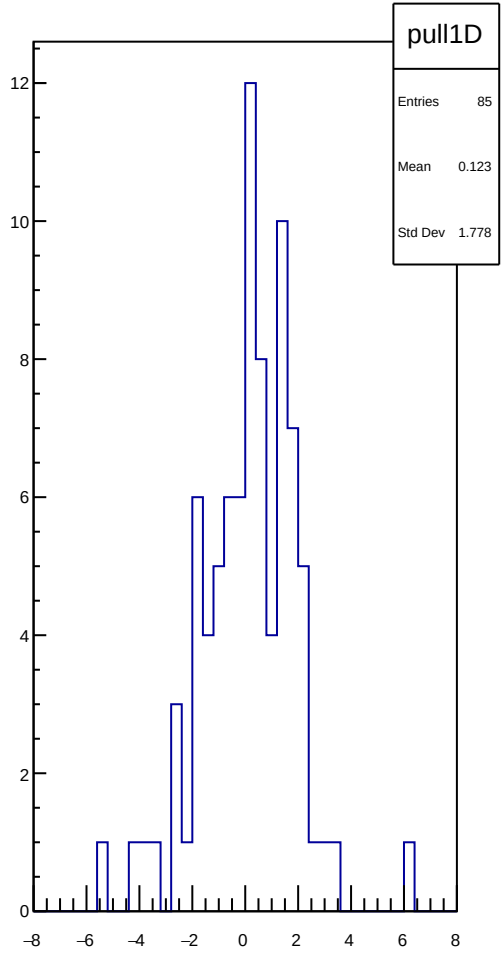

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 153.6 / 84
p0 −56.17 ± 0.3768
pull
Entries 85
Mean −180.3
Std Dev 222.8
pull1D
Entries 85
Mean −0.054
Std Dev 1.343

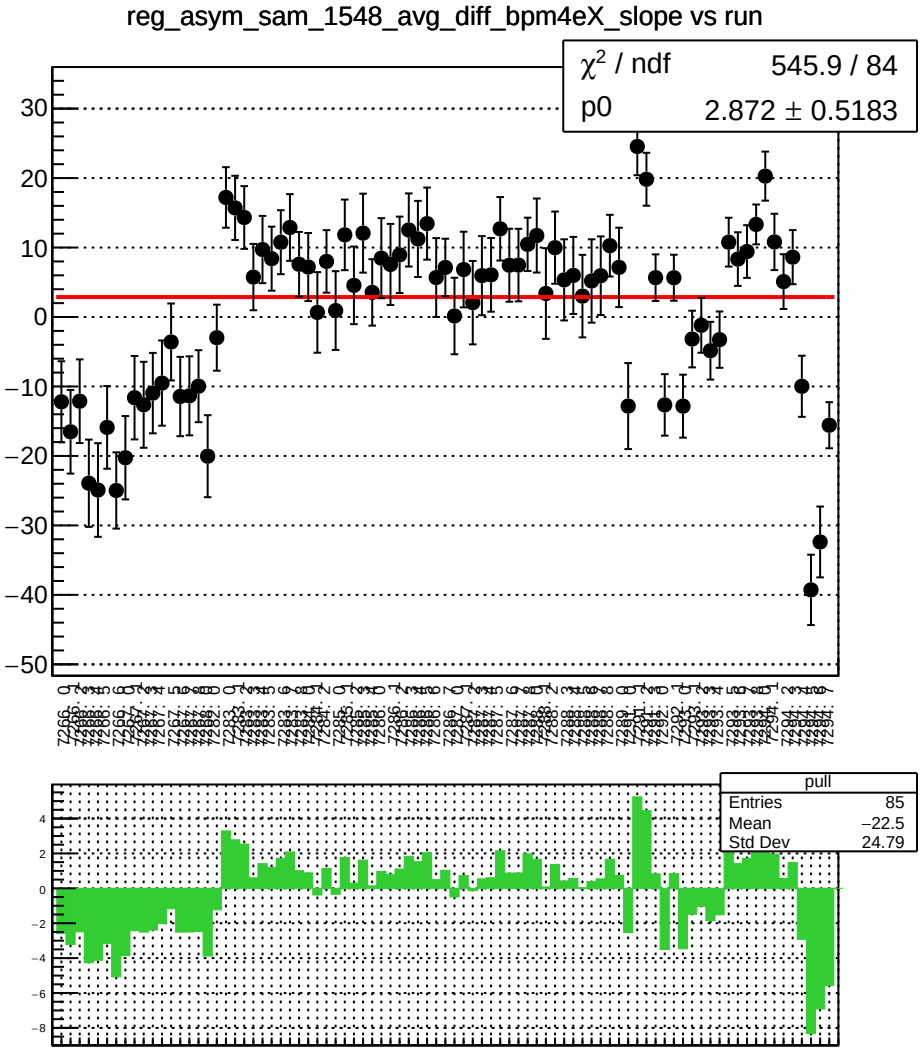

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 26.77 / 84
p0 0.4939 ± 0.01791
pull
Entries 85
Mean 53.44
Std Dev 48.03
pull1D
Entries 85
Mean 0.05721
Std Dev 0.5583

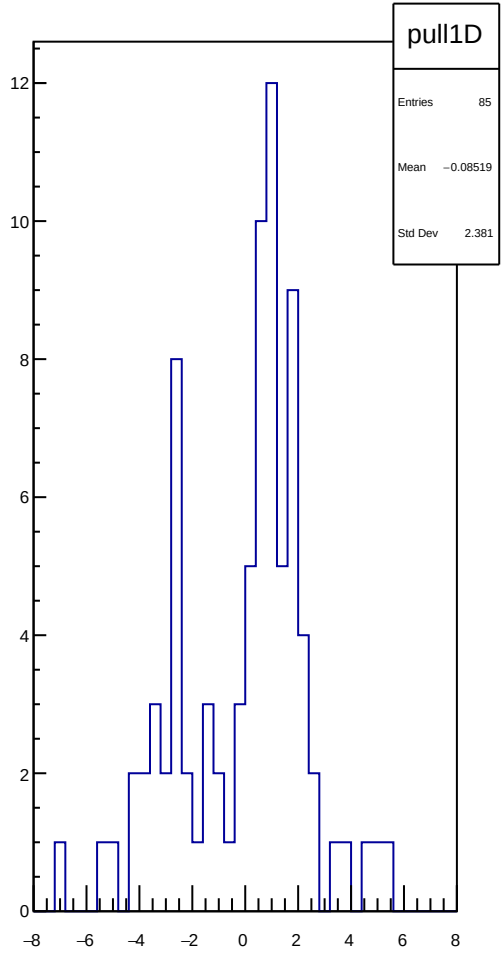

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 936 / 84
p0 −55.2 ± 0.5182
pull
Entries 85
Mean −163.6
Std Dev 163.4

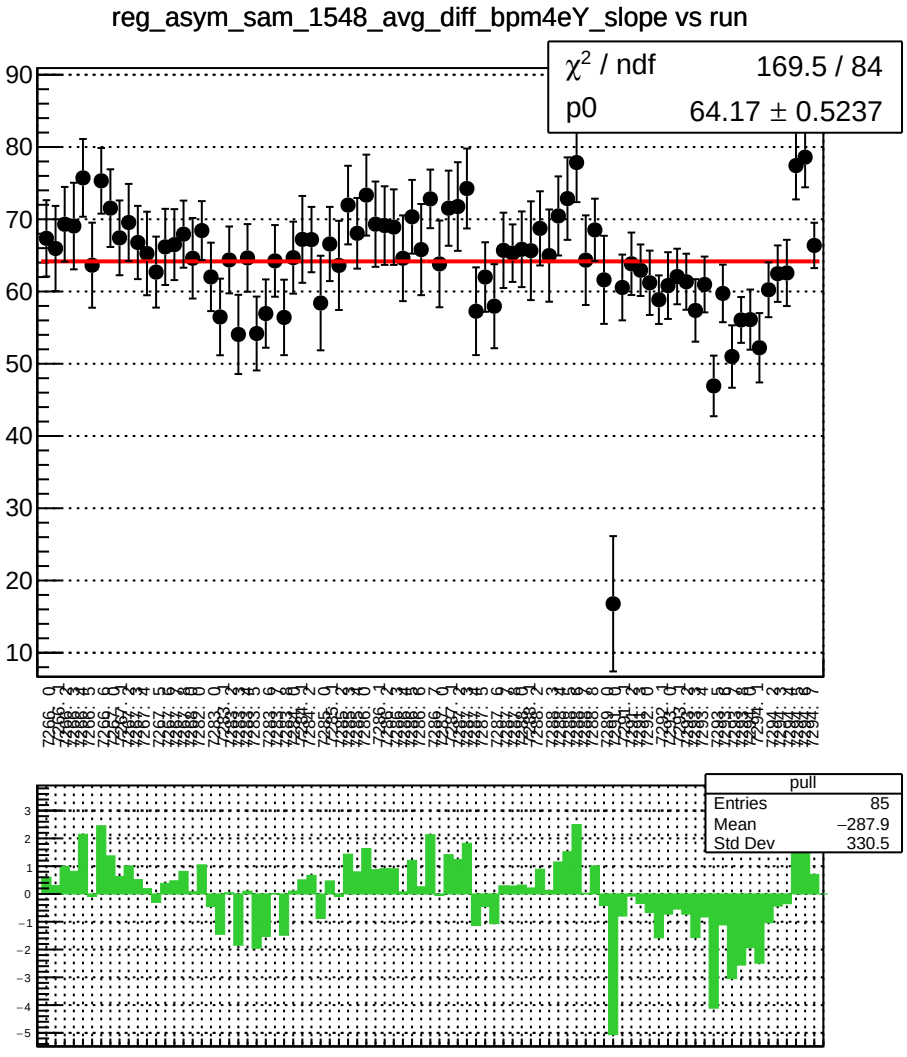

pull1D
Entries 85
Mean −0.02617
Std Dev 3.18

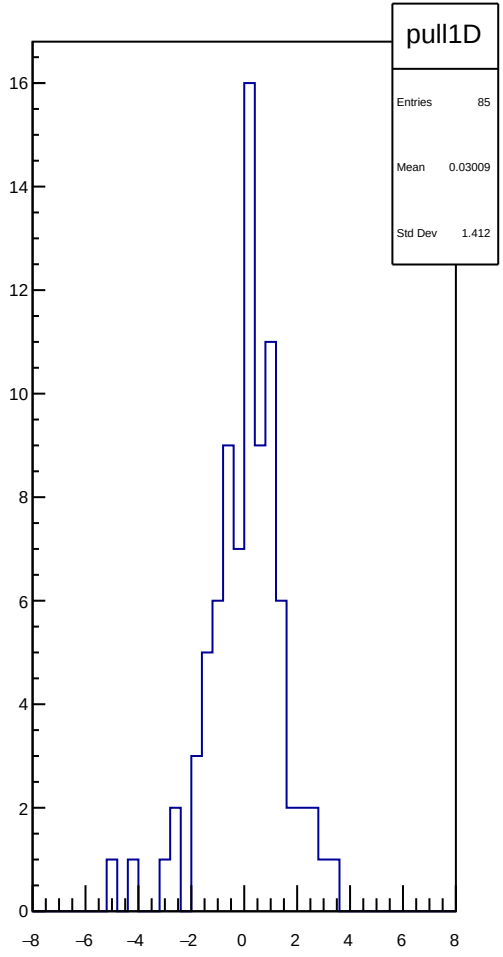

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 270 / 84
p0 17.31 ± 0.498
pull
Entries 85
Mean 125
Std Dev 102.7

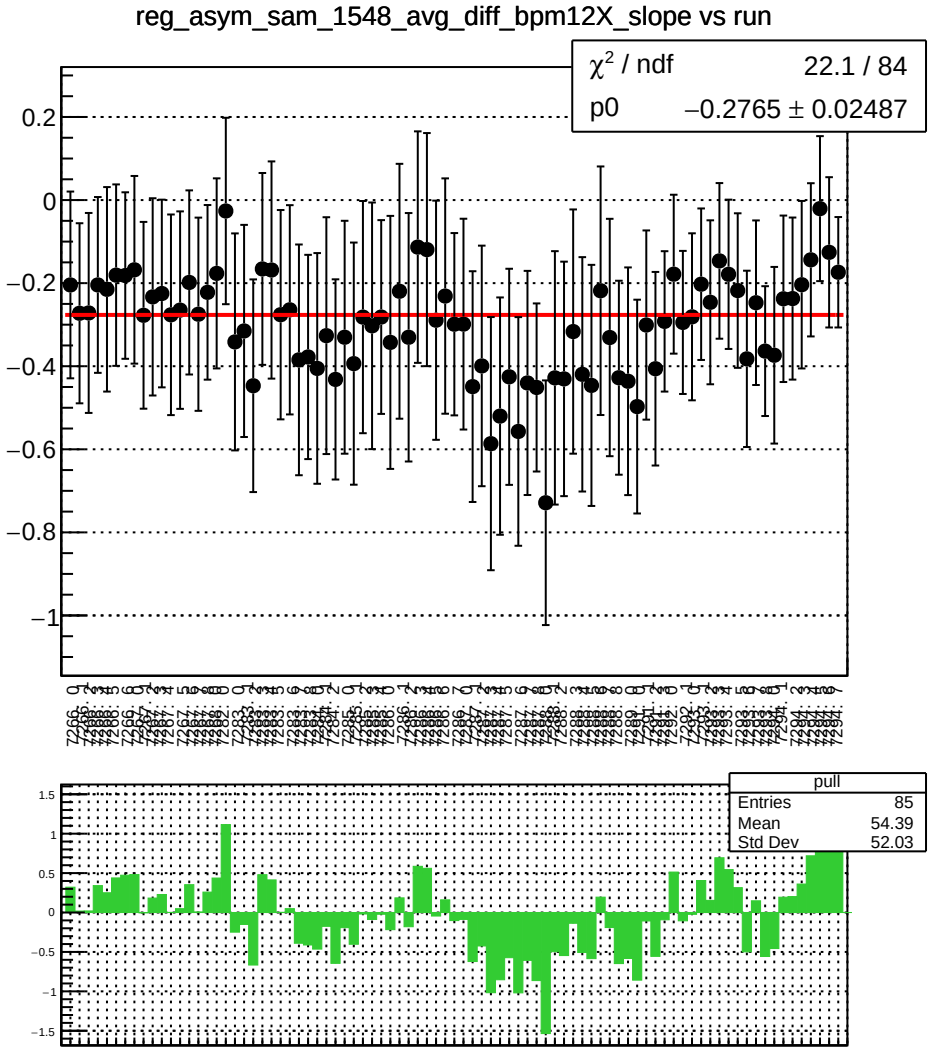

pull1D
Entries 85
Mean 0.123
Std Dev 1.778

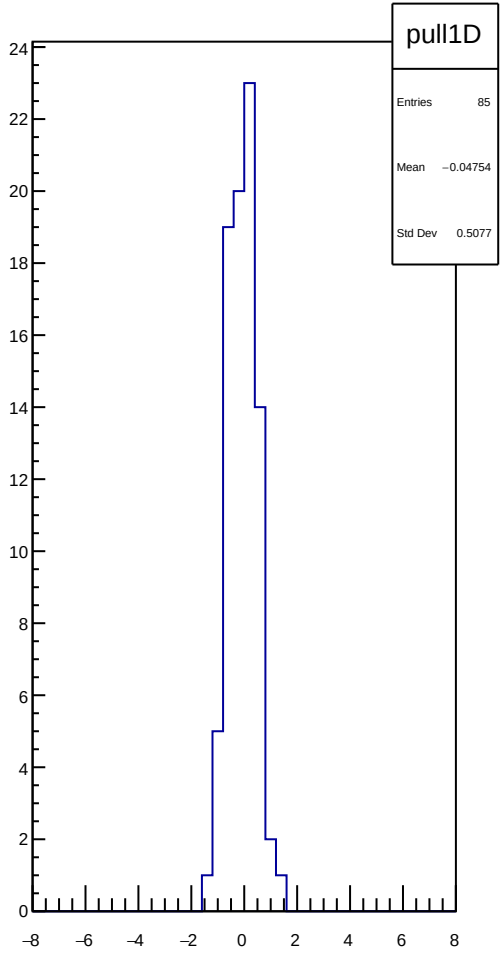

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 545.9 / 84
p0 2.872 ± 0.5183
pull
Entries 85
Mean −22.5
Std Dev 24.79

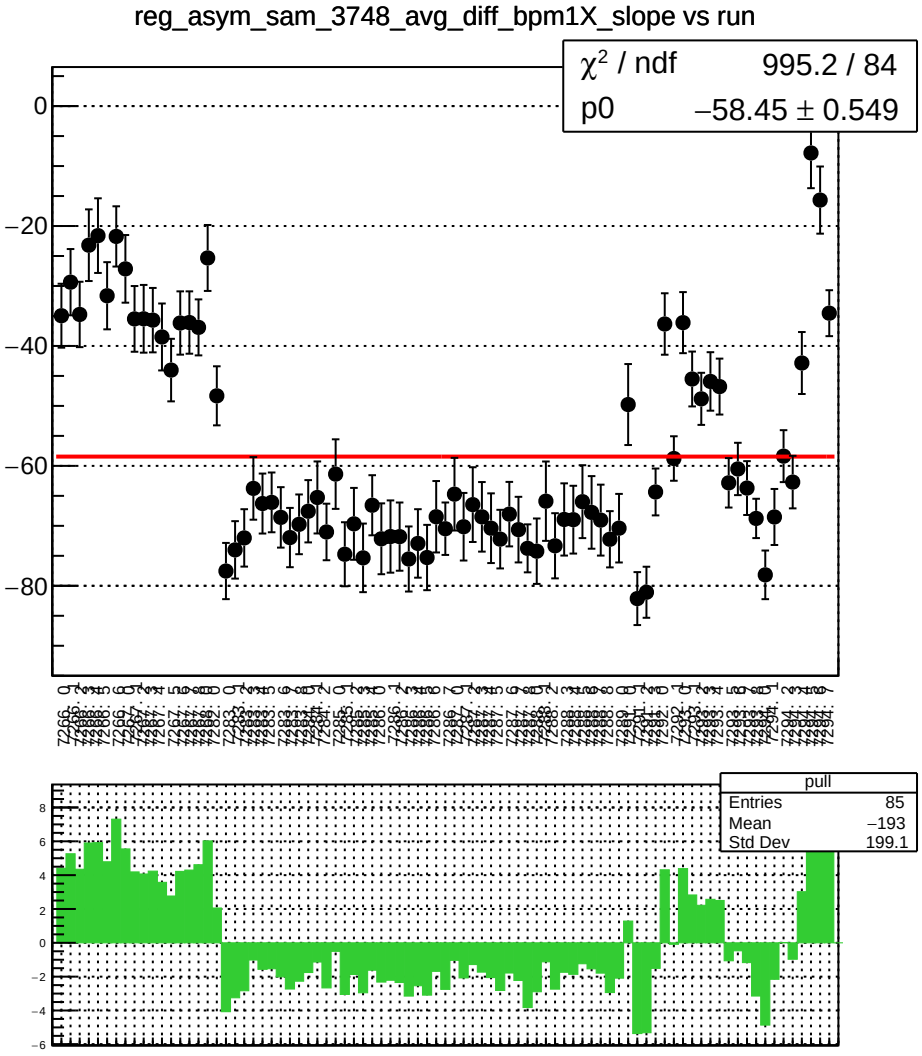

pull1D
Entries 85
Mean −0.08519
Std Dev 2.381

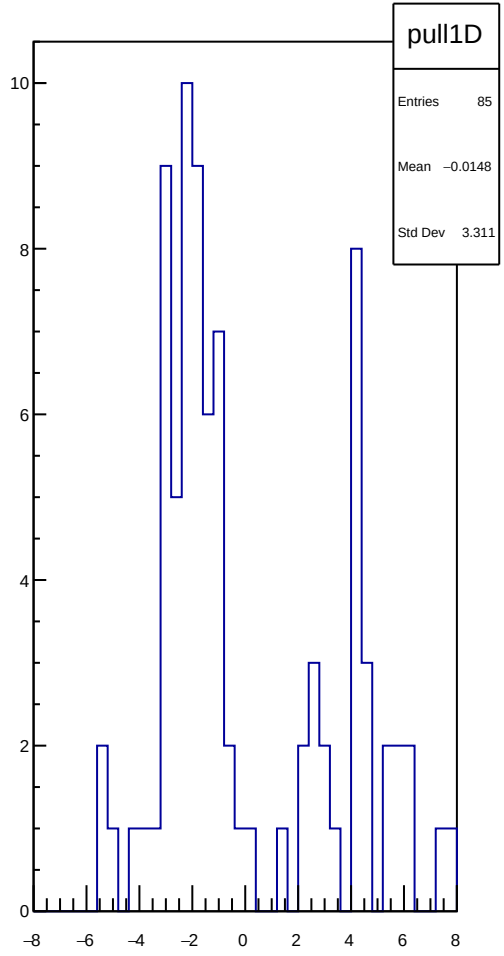

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 169.5 / 84
p0 64.17 ± 0.5237
pull
Entries 85
Mean −287.9
Std Dev 330.5

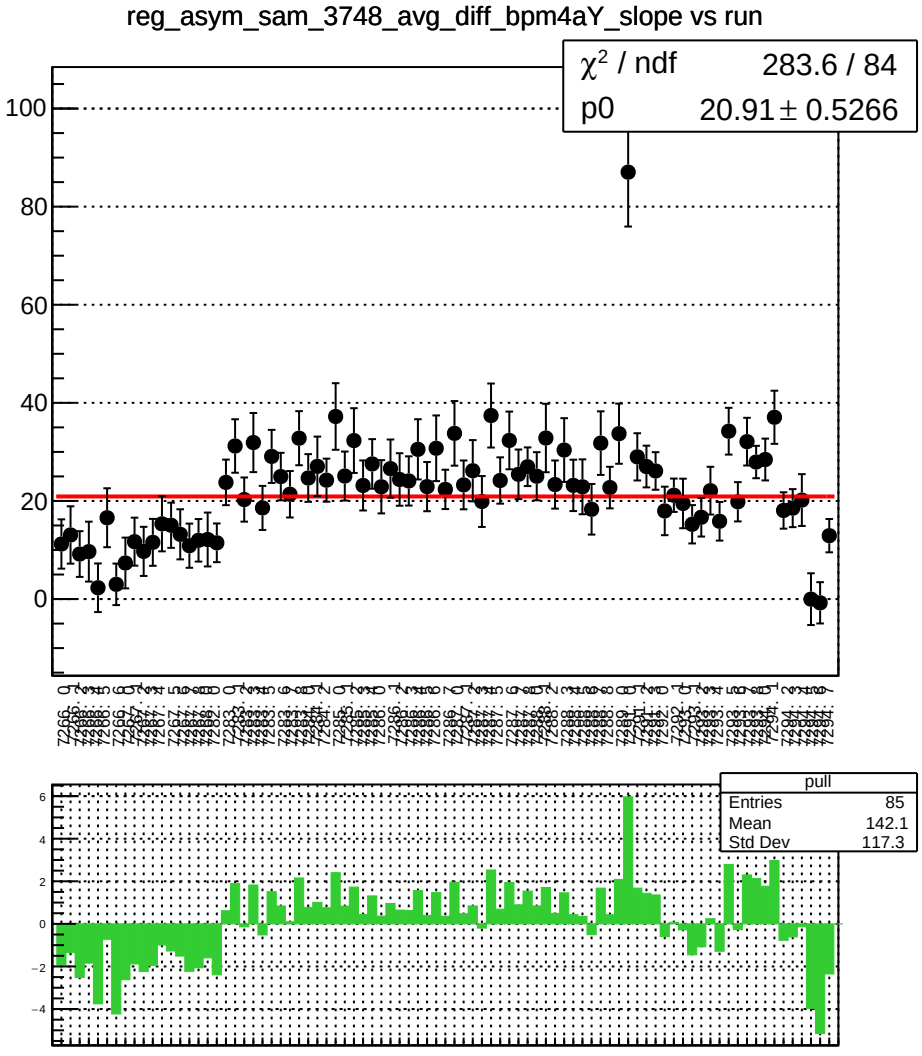

pull1D
Entries 85
Mean 0.03009
Std Dev 1.412

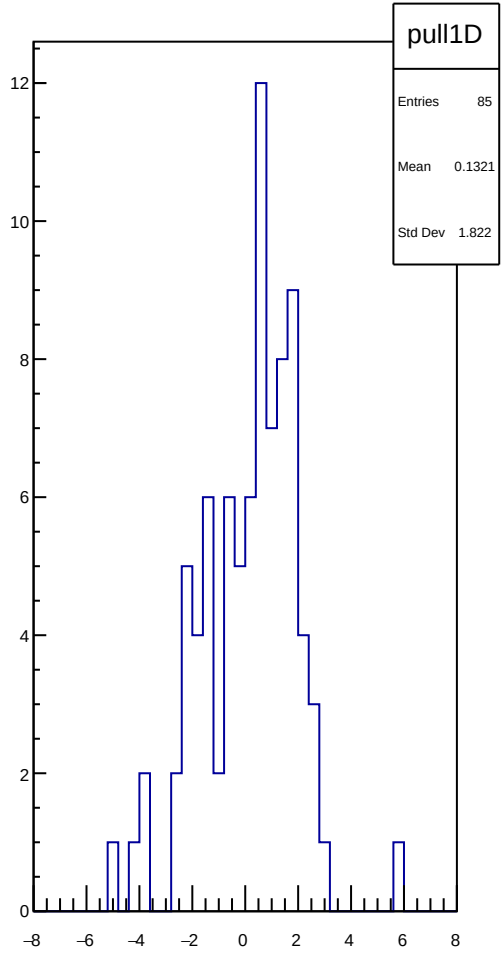

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 22.1 / 84
p0 −0.2765 ± 0.02487
pull
Entries 85
Mean 54.39
Std Dev 52.03

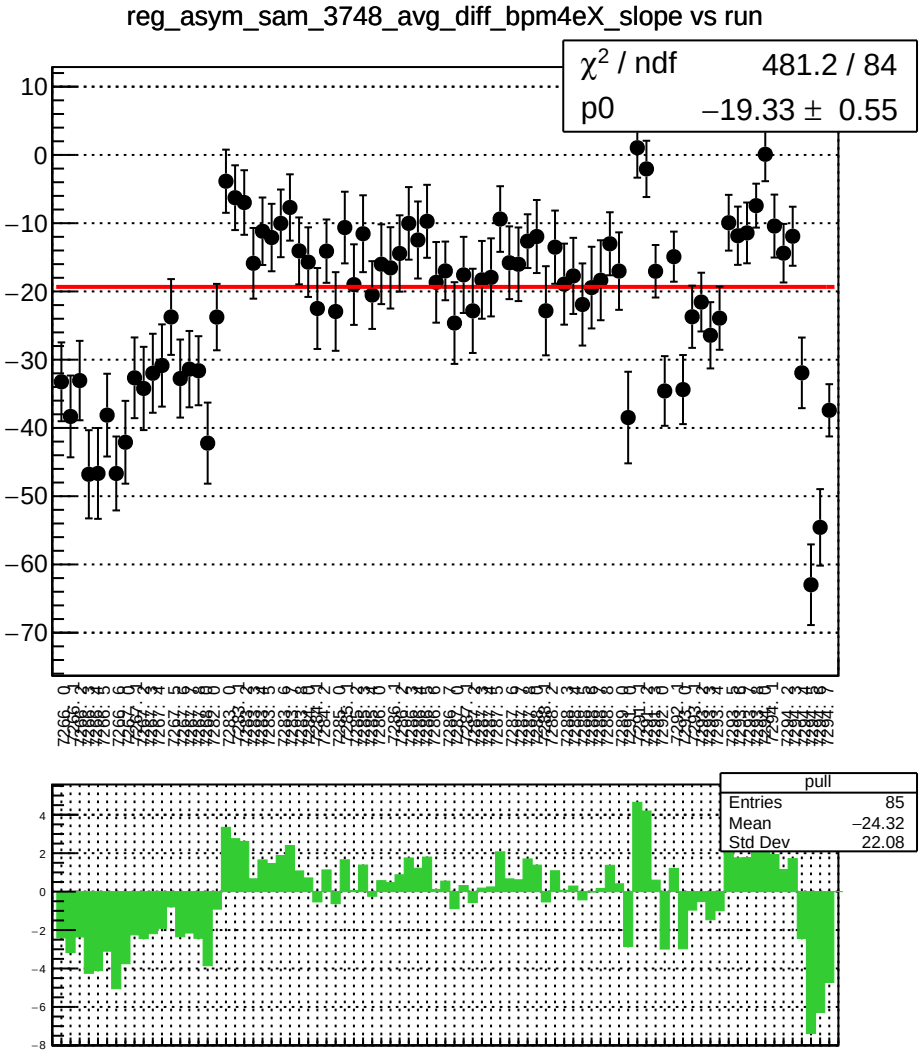

pull1D
Entries 85
Mean −0.04754
Std Dev 0.5077

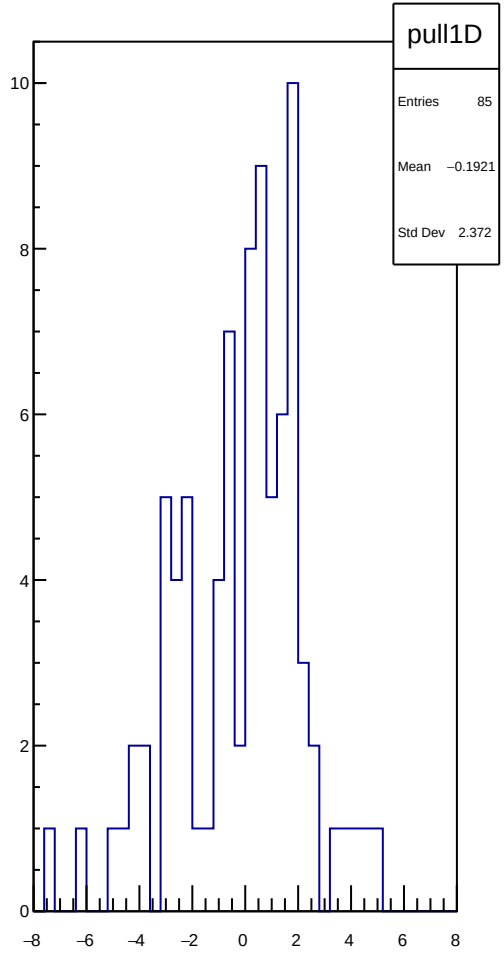

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 995.2 / 84
p0 −58.45 ± 0.549
pull
Entries 85
Mean −193
Std Dev 199.1

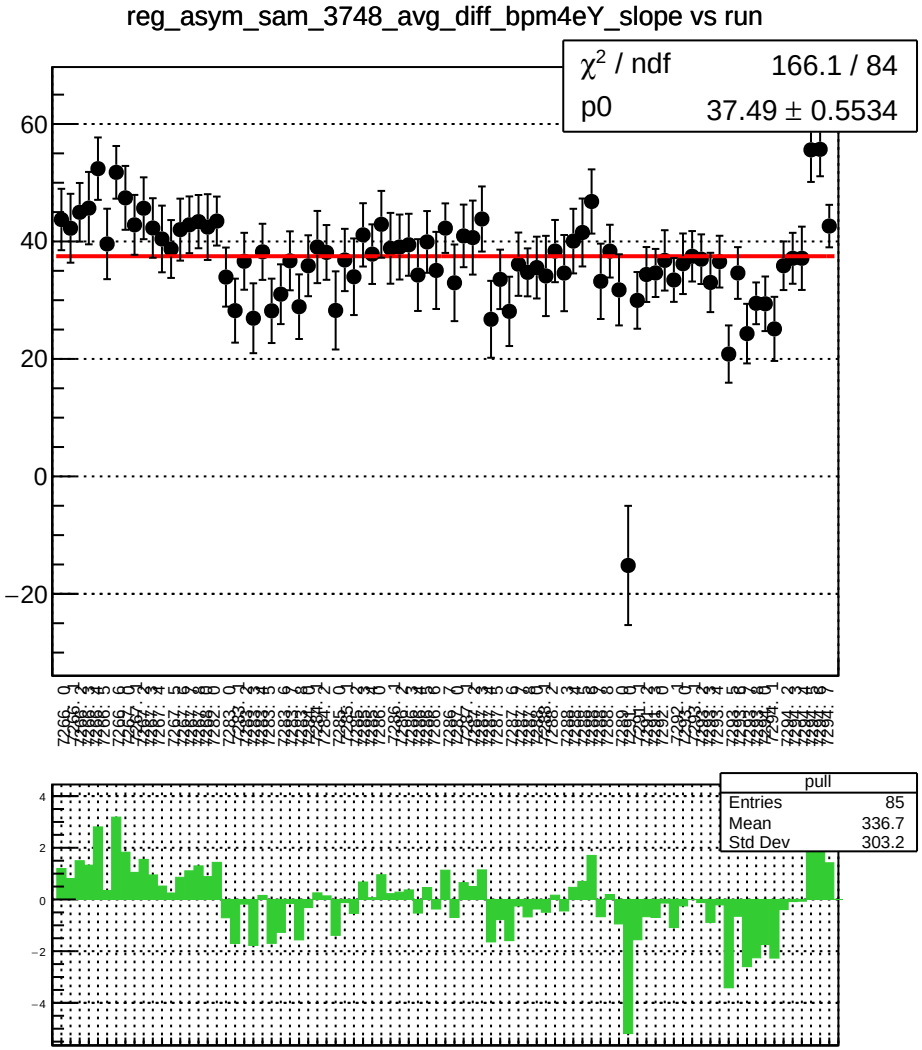

pull1D
Entries 85
Mean −0.0148
Std Dev 3.311

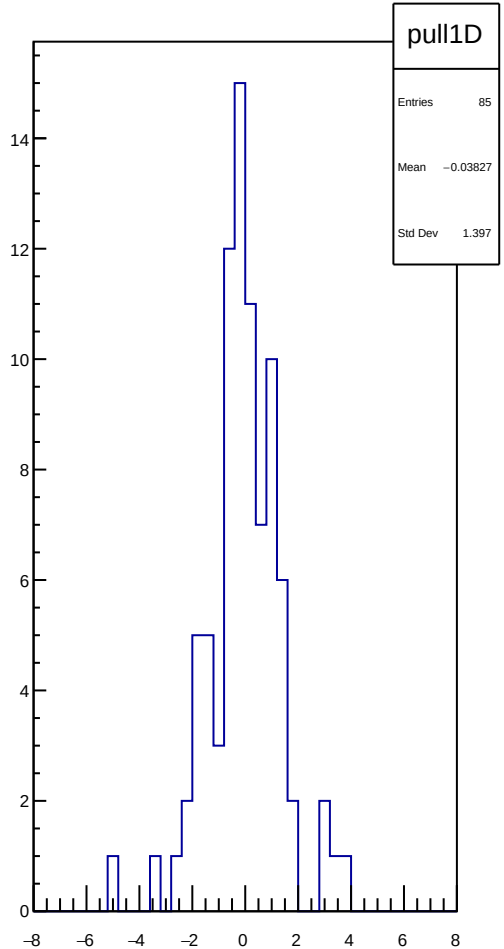

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 283.6 / 84
p0 20.91 ± 0.5266
pull
Entries 85
Mean 142.1
Std Dev 117.3

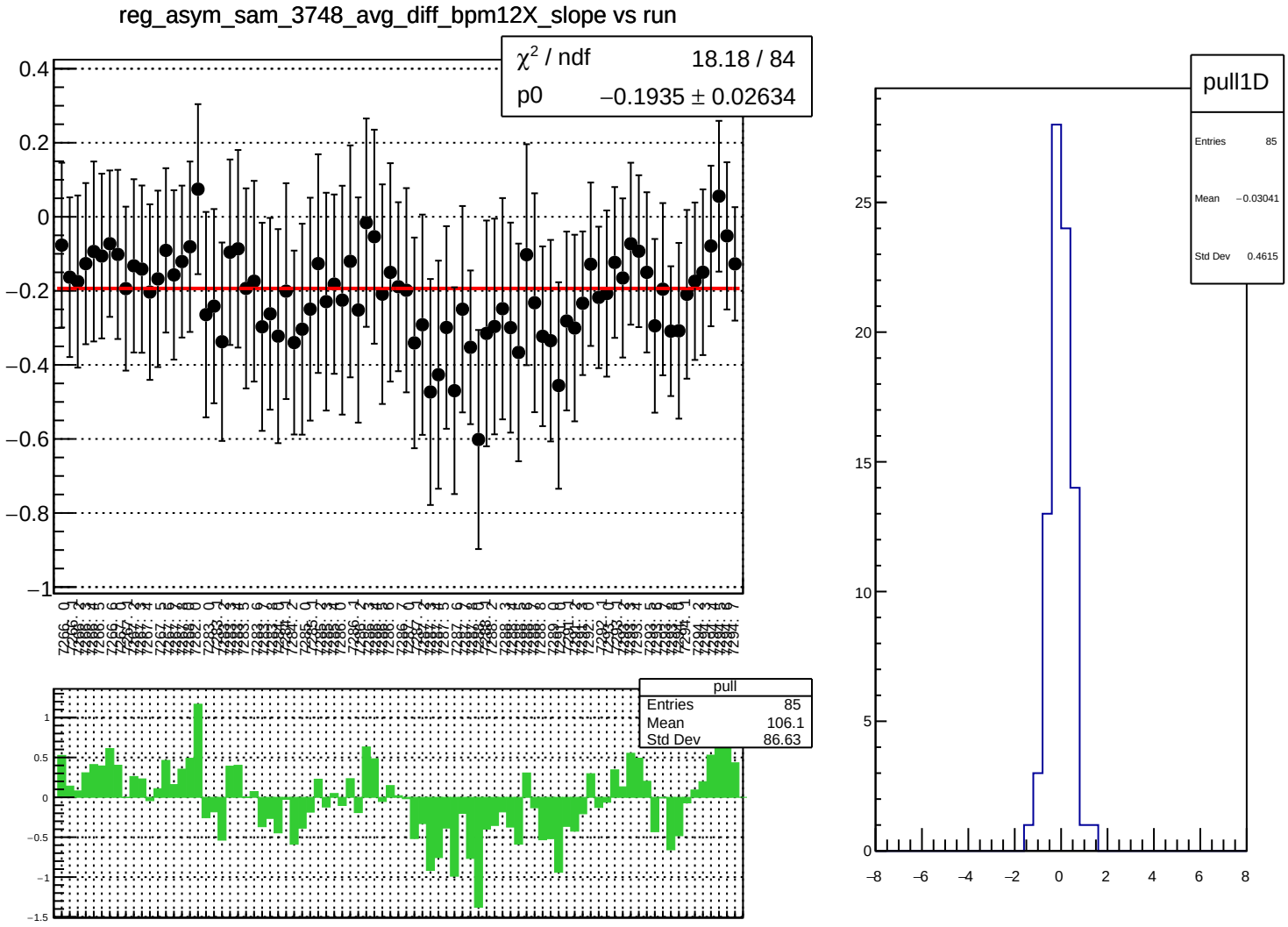

pull1D
Entries 85
Mean 0.1321
Std Dev 1.822

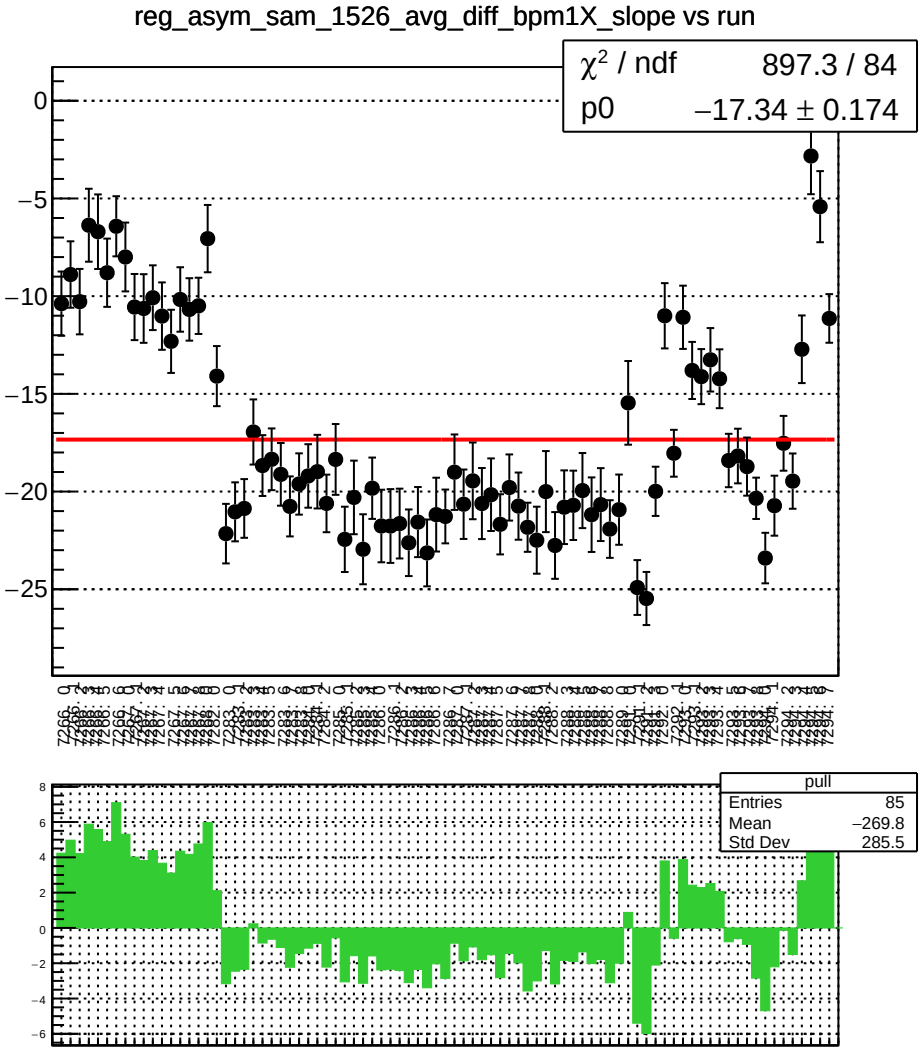

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 481.2 / 84
p0 −19.33 ± 0.55
pull
Entries 85
Mean −24.32
Std Dev 22.08

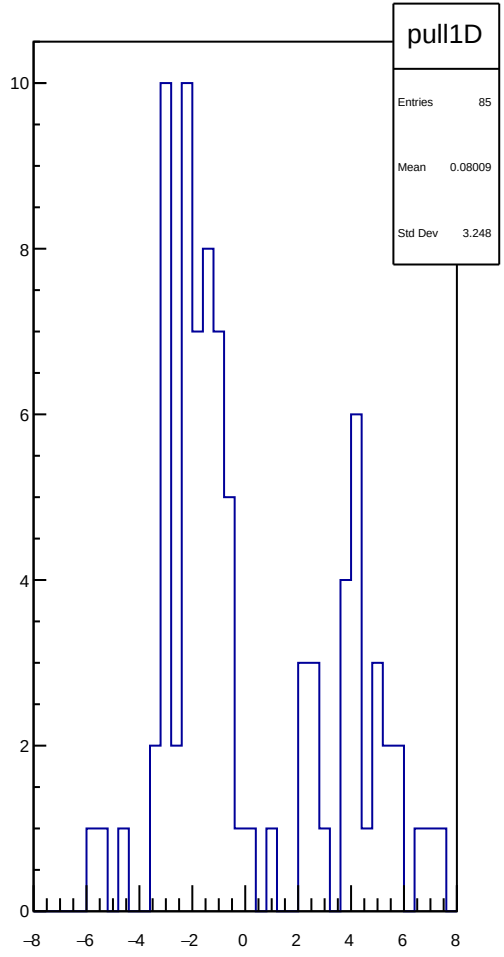

pull1D
Entries 85
Mean −0.1921
Std Dev 2.372

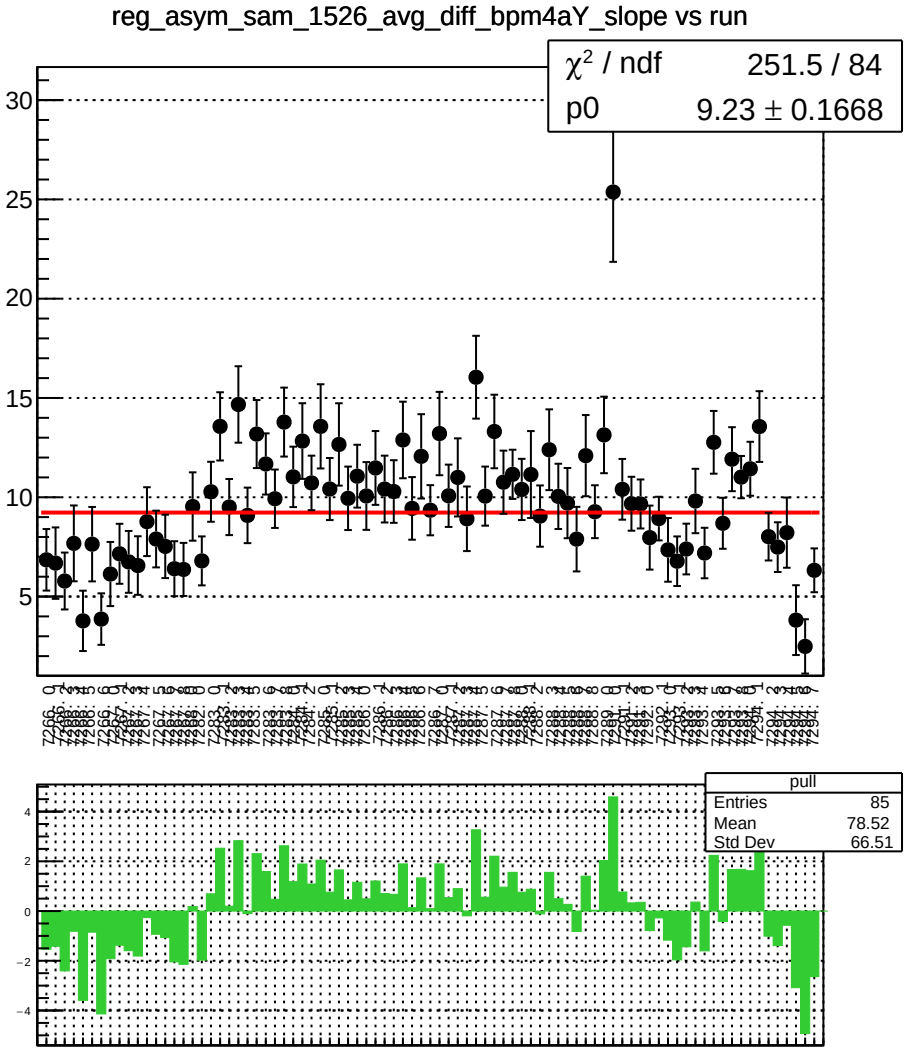

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 166.1 / 84
p0 37.49 ± 0.5534
pull
Entries 85
Mean 336.7
Std Dev 303.2

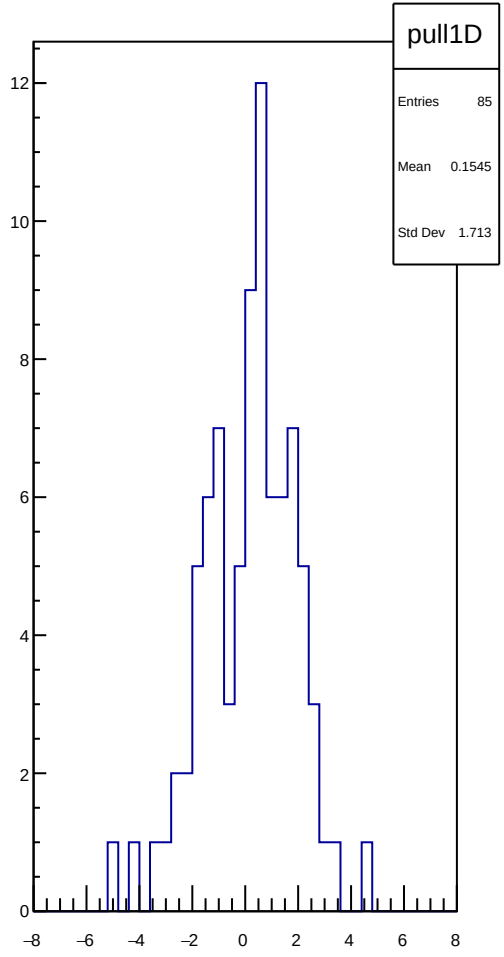

pull1D
Entries 85
Mean −0.03827
Std Dev 1.397

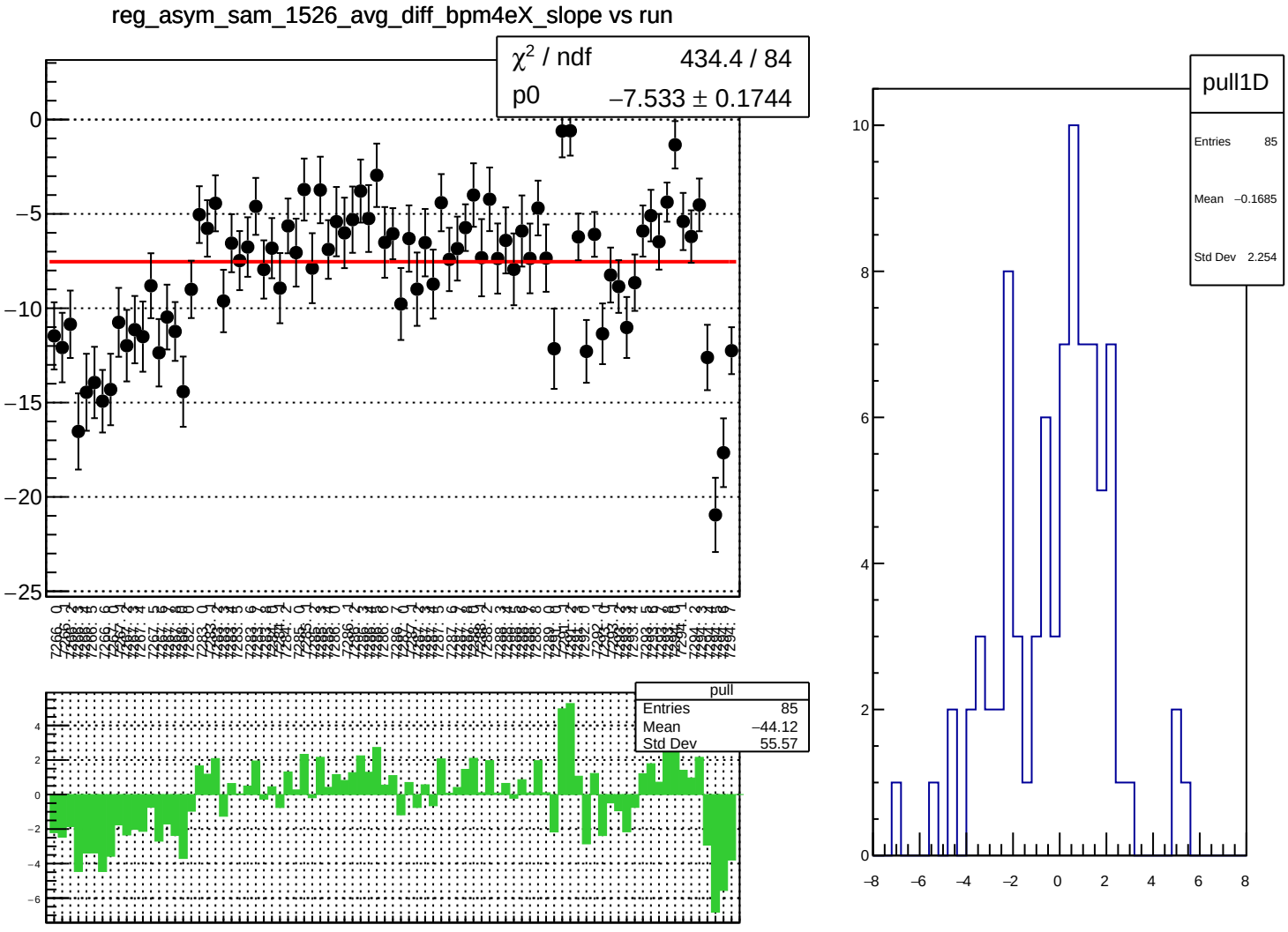

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 18.18 / 84
p0 −0.1935 ± 0.02634
pull
Entries 85
Mean 106.1
Std Dev 86.63
pull1D
Entries 85
Mean −0.03041
Std Dev 0.4615

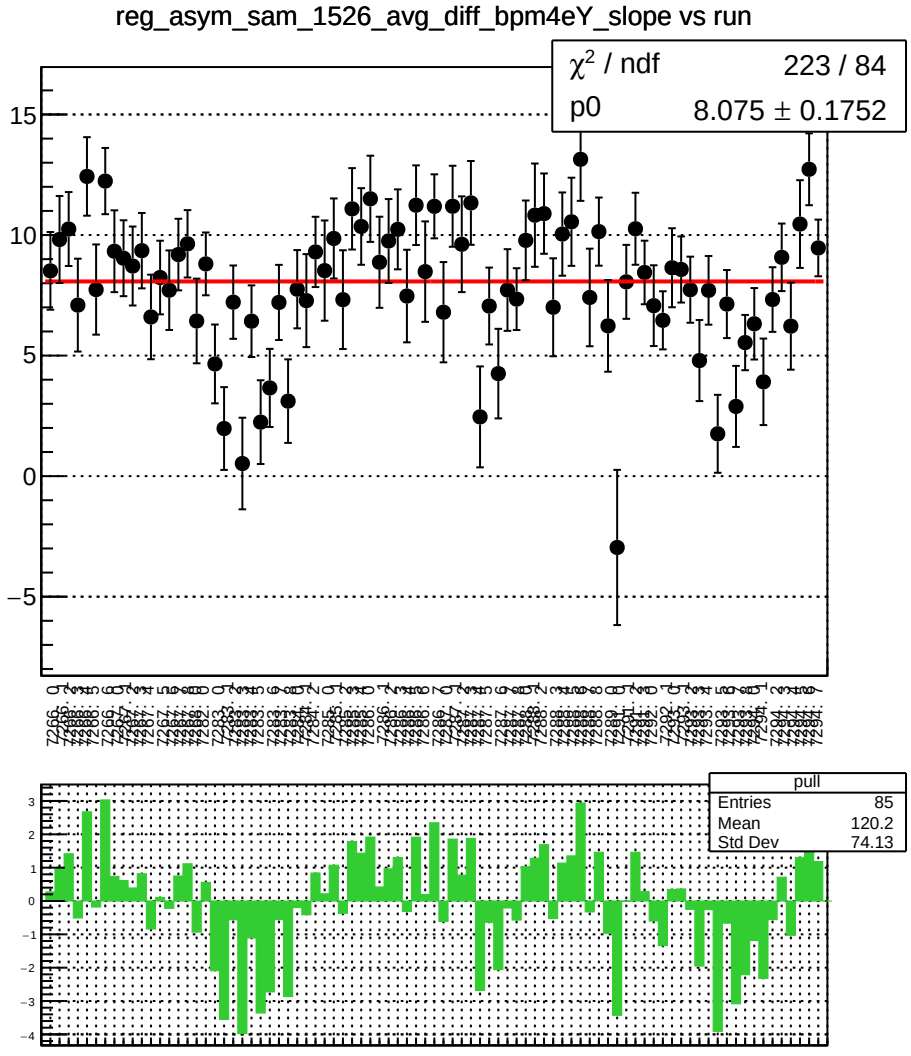

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 897.3 / 84
p0 −17.34 ± 0.174
pull
Entries 85
Mean −269.8
Std Dev 285.5

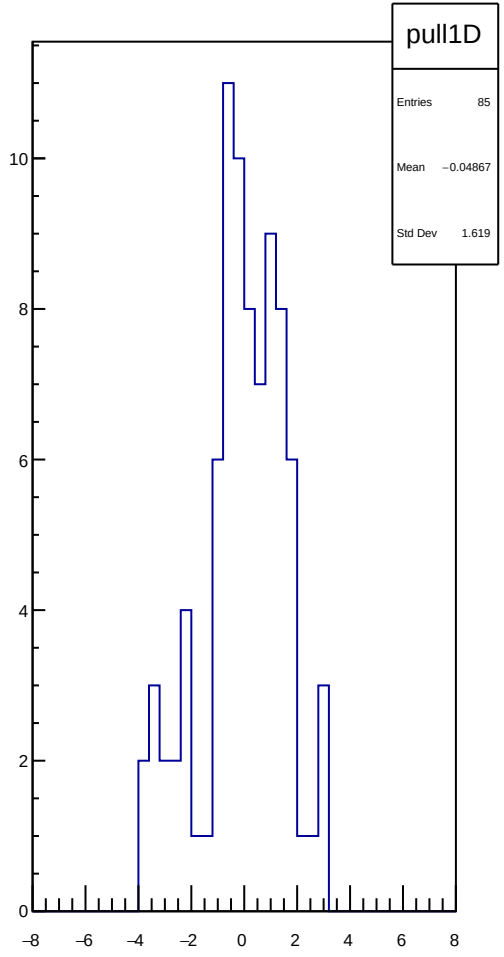

pull1D
Entries 85
Mean 0.08009
Std Dev 3.248

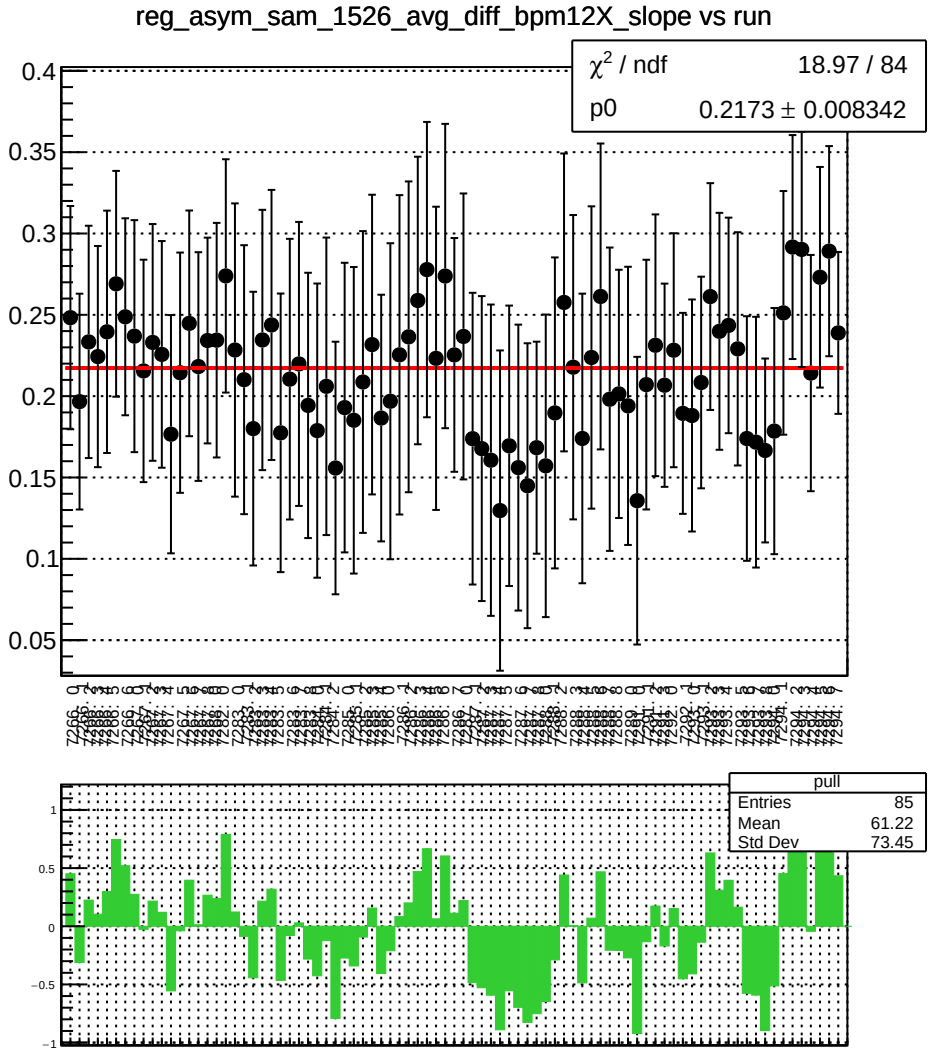

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 251.5 / 84
p0 9.23 ± 0.1668
pull
Entries 85
Mean 78.52
Std Dev 66.51

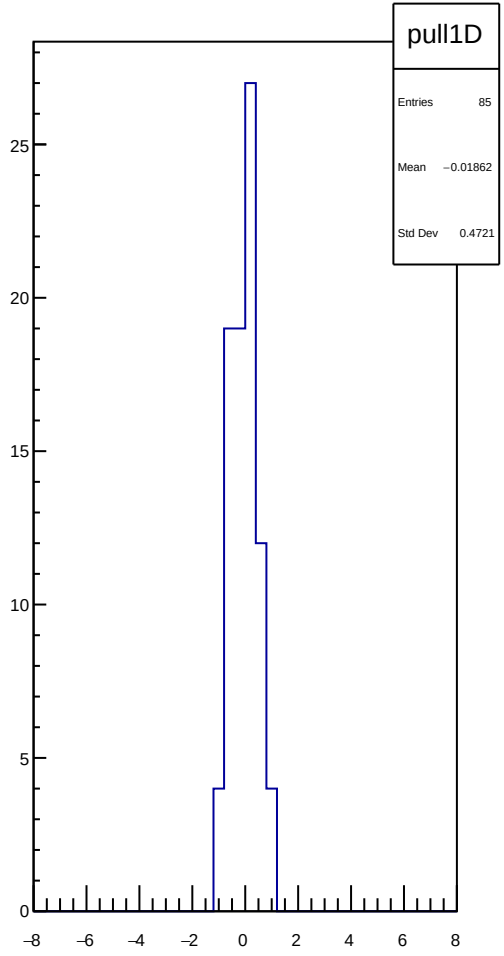

pull1D
Entries 85
Mean 0.1545
Std Dev 1.713

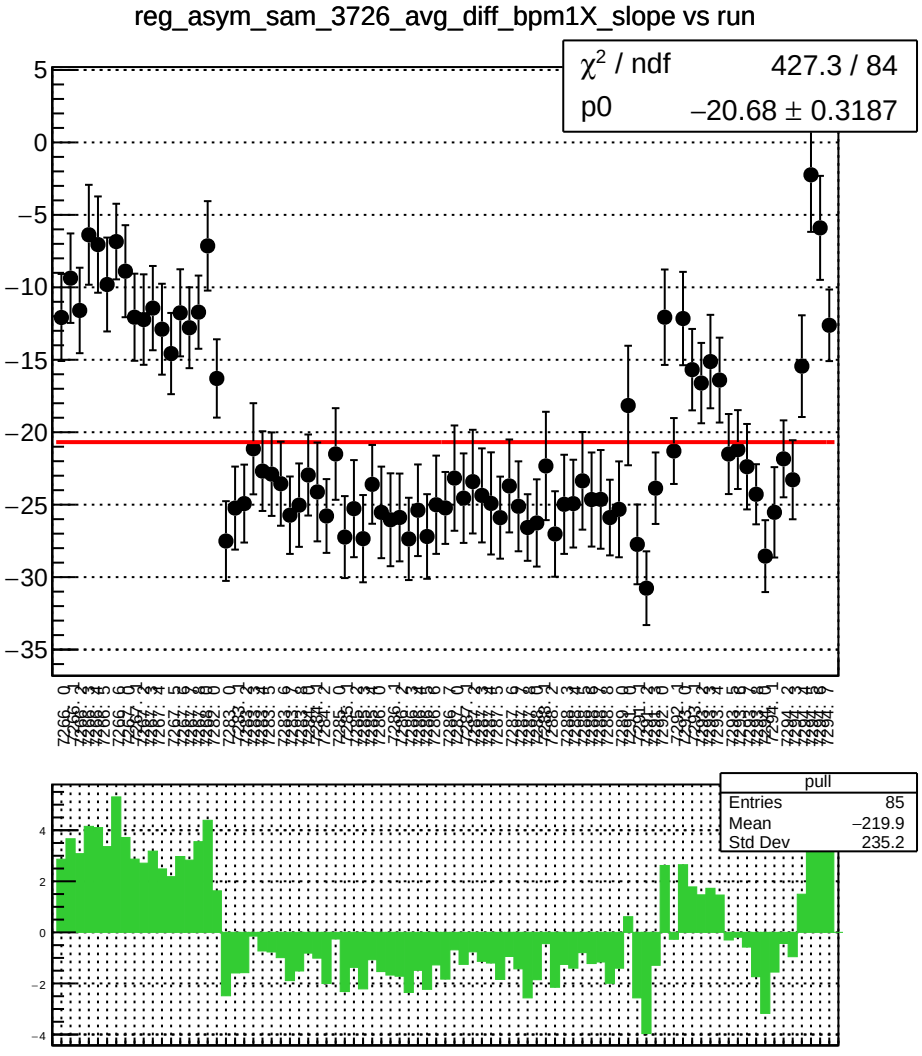

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 434.4 / 84
p0 −7.533 ± 0.1744
pull
Entries 85
Mean −44.12
Std Dev 55.57
pull1D
Entries 85
Mean −0.1685
Std Dev 2.254

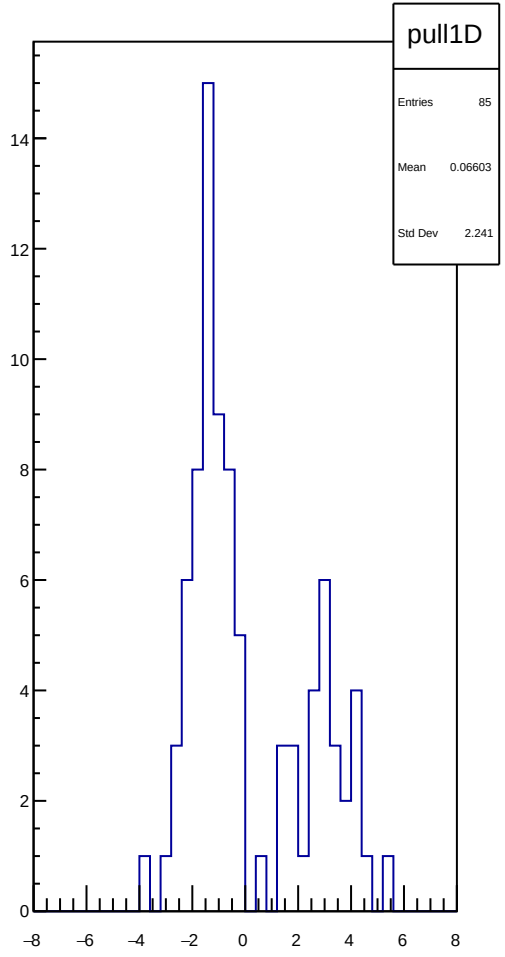

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 223 / 84
p0 8.075 ± 0.1752
pull
Entries 85
Mean 120.2
Std Dev 74.13

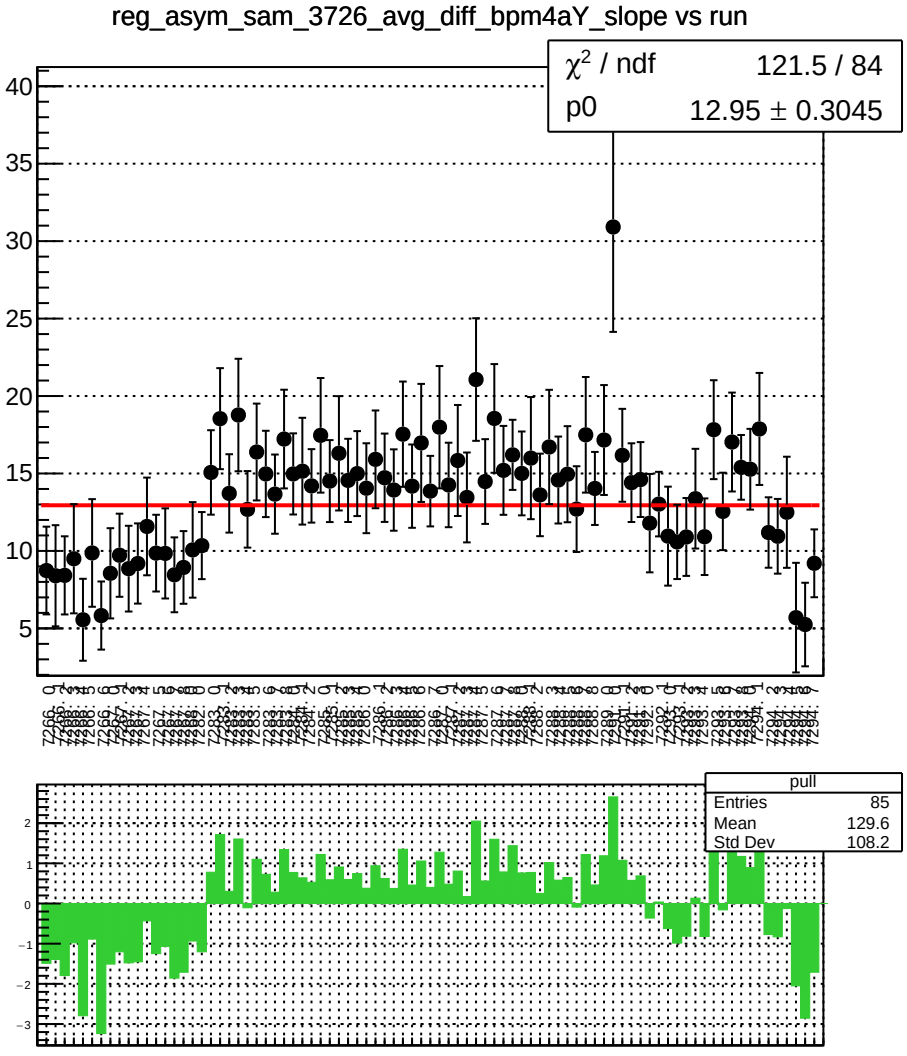

pull1D
Entries 85
Mean −0.04867
Std Dev 1.619

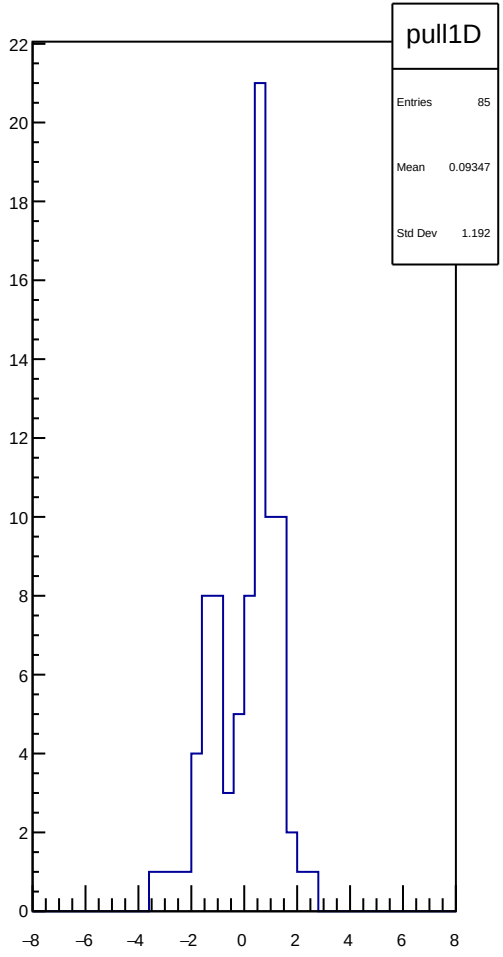

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 18.97 / 84
p0 0.2173 ± 0.008342
pull
Entries 85
Mean 61.22
Std Dev 73.45

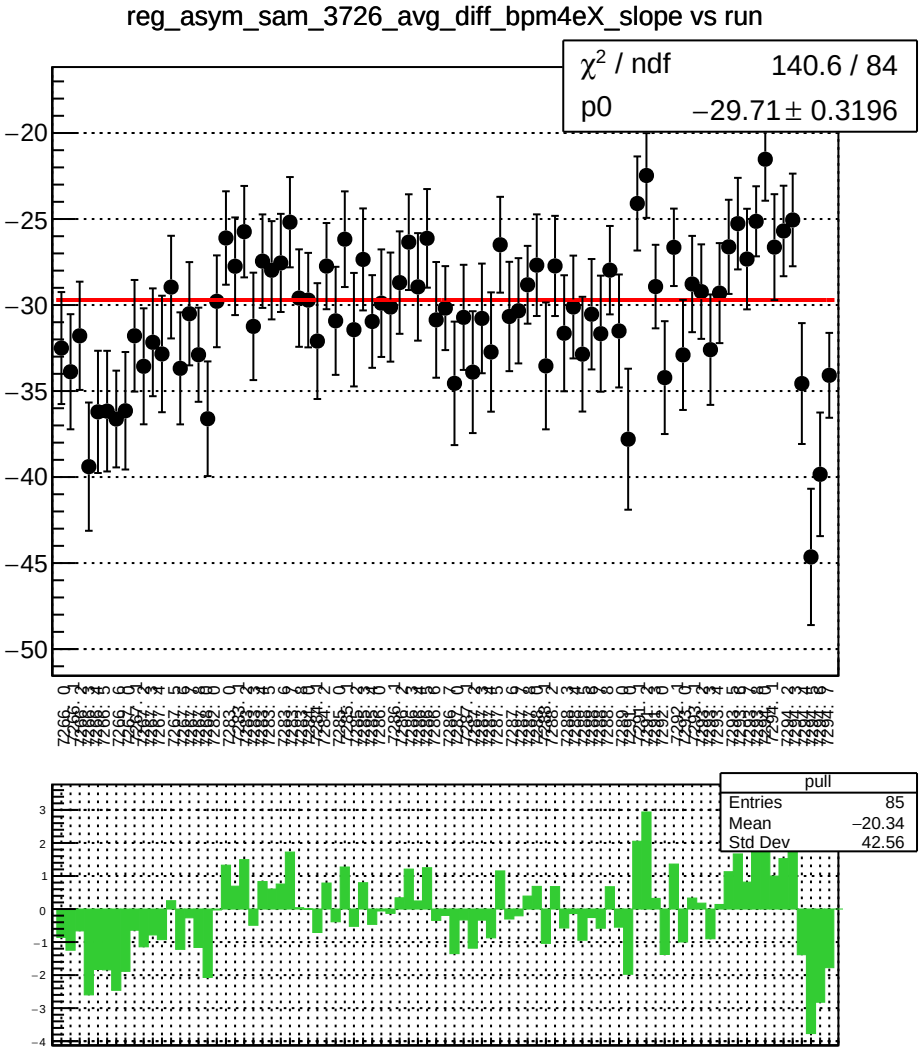

pull1D
Entries 85
Mean −0.01862
Std Dev 0.4721

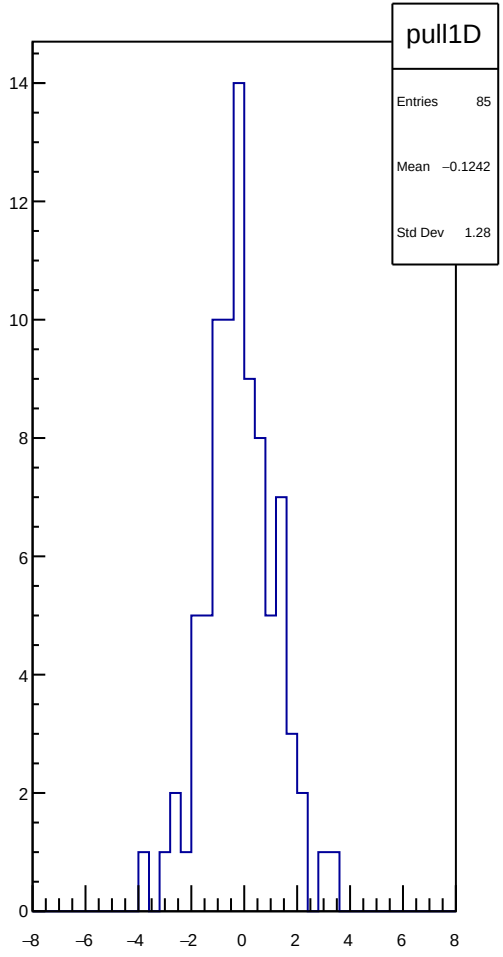

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ^2 / ndf 427.3 / 84
p0 −20.68 ± 0.3187
pull
Entries 85
Mean −219.9
Std Dev 235.2

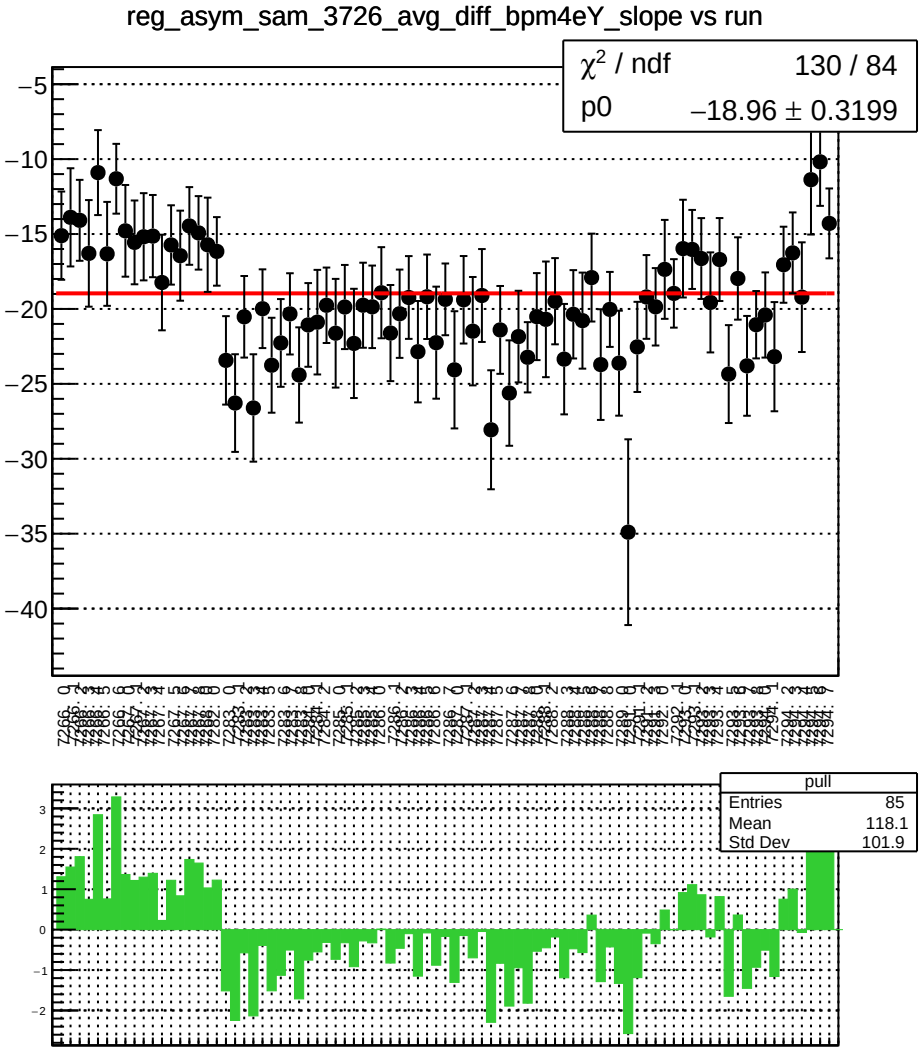

pull1D
Entries 85
Mean 0.06603
Std Dev 2.241

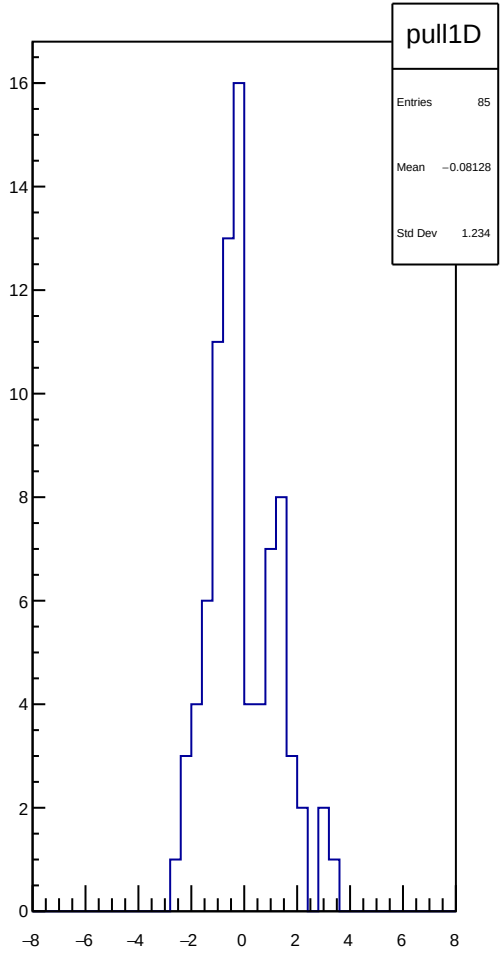

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 121.5 / 84
p0 12.95 ± 0.3045
pull
Entries 85
Mean 129.6
Std Dev 108.2

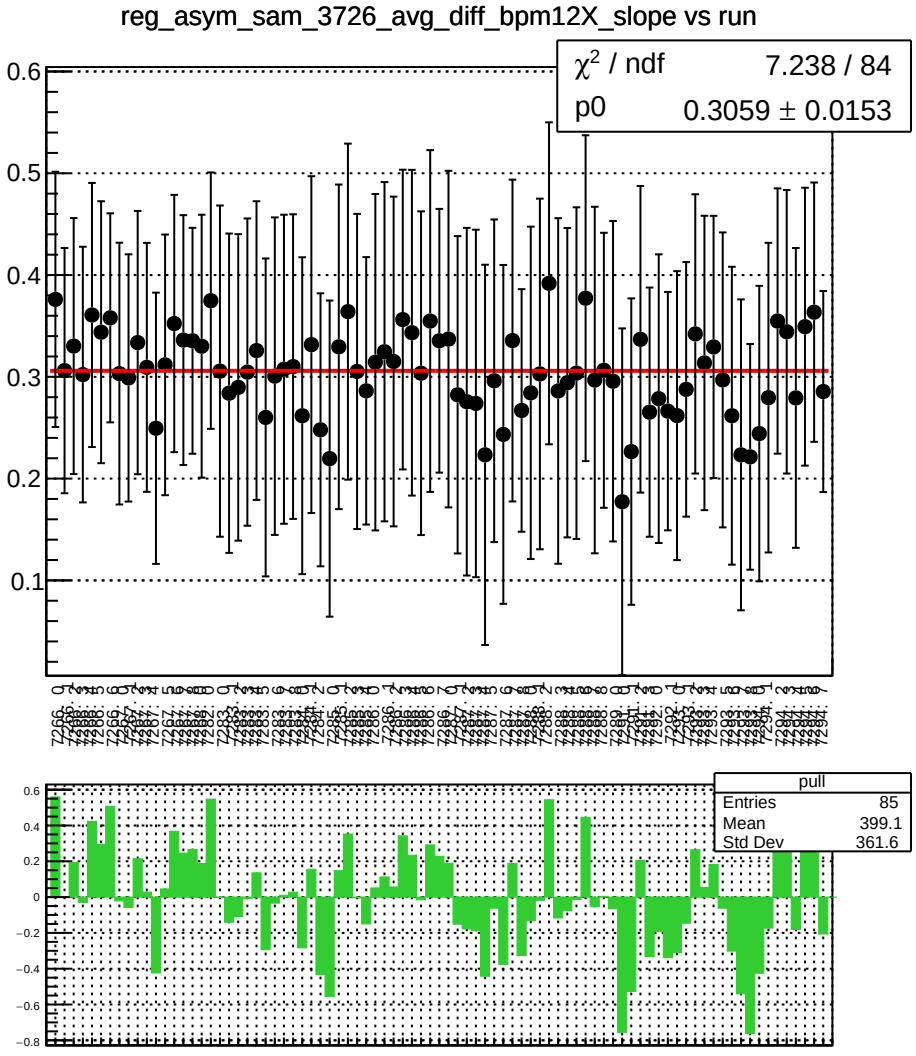

pull1D
Entries 85
Mean 0.09347
Std Dev 1.192

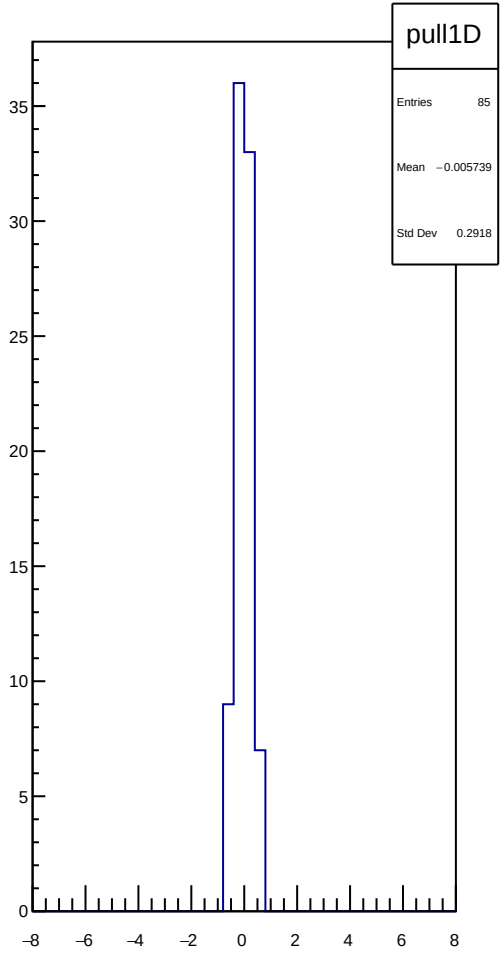

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 140.6 / 84
p0 −29.71 ± 0.3196
pull
Entries 85
Mean −20.34
Std Dev 42.56


pull1D
Entries 85
Mean −0.1242
Std Dev 1.28

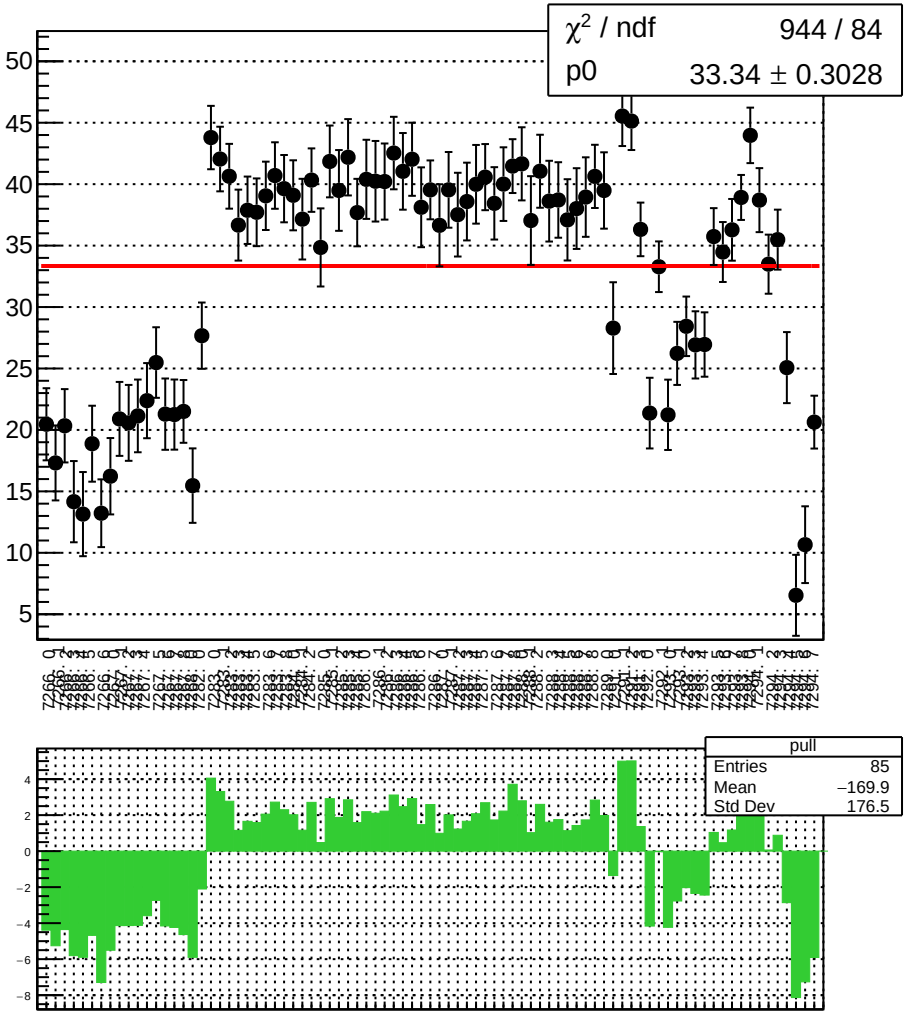

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 130 / 84
p0 −18.96 ± 0.3199
pull
Entries 85
Mean 118.1
Std Dev 101.9

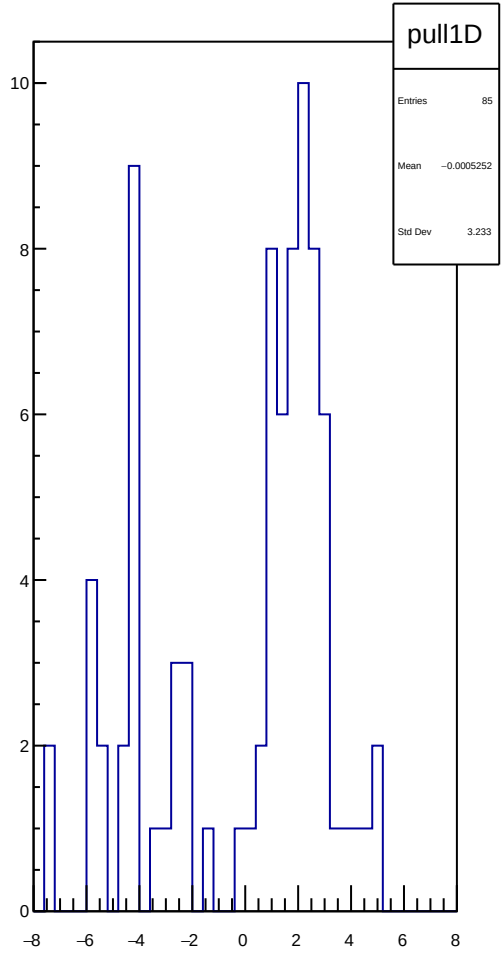

pull1D
Entries 85
Mean −0.08128
Std Dev 1.234

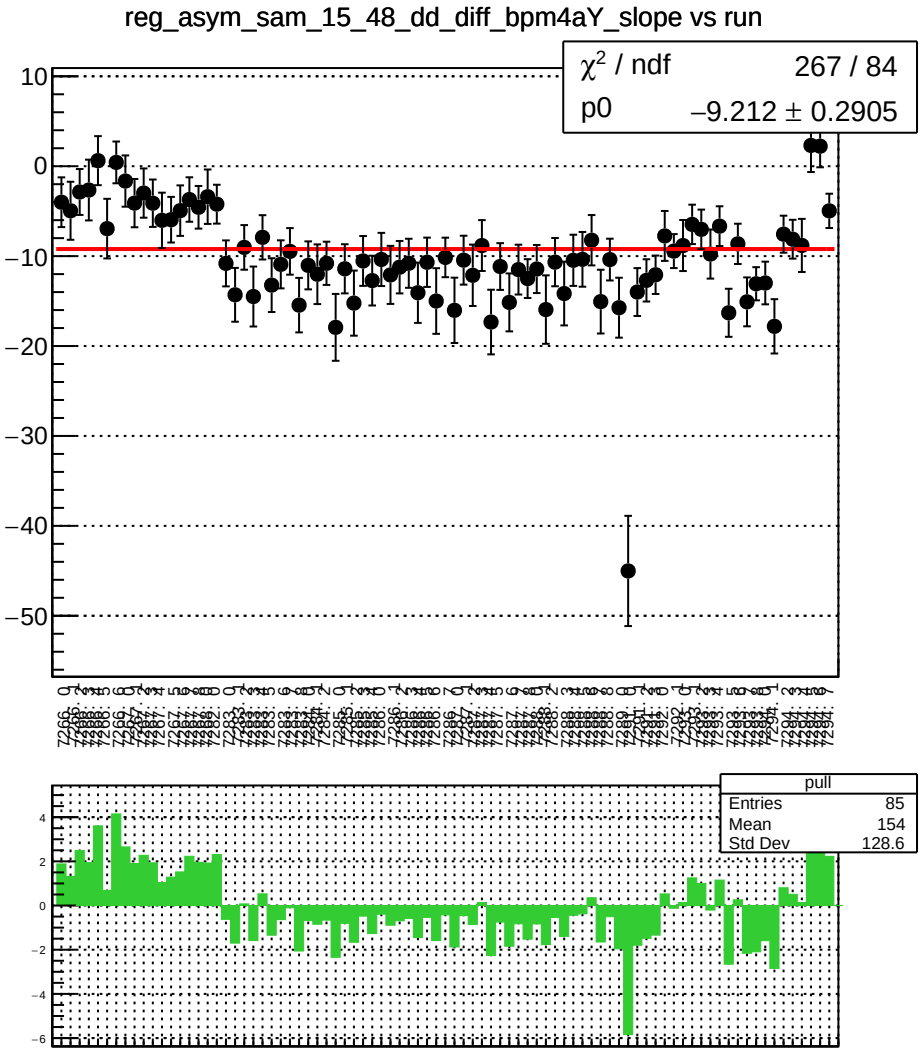

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ^2 / ndf 7.238 / 84
p0 0.3059 ± 0.0153
pull
Entries 85
Mean 399.1
Std Dev 361.6

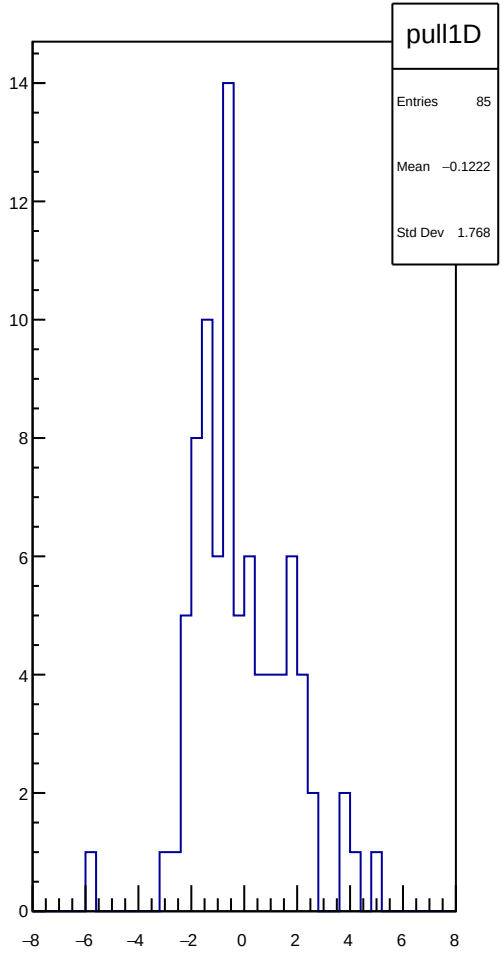

pull1D
Entries 85
Mean −0.005739
Std Dev 0.2918

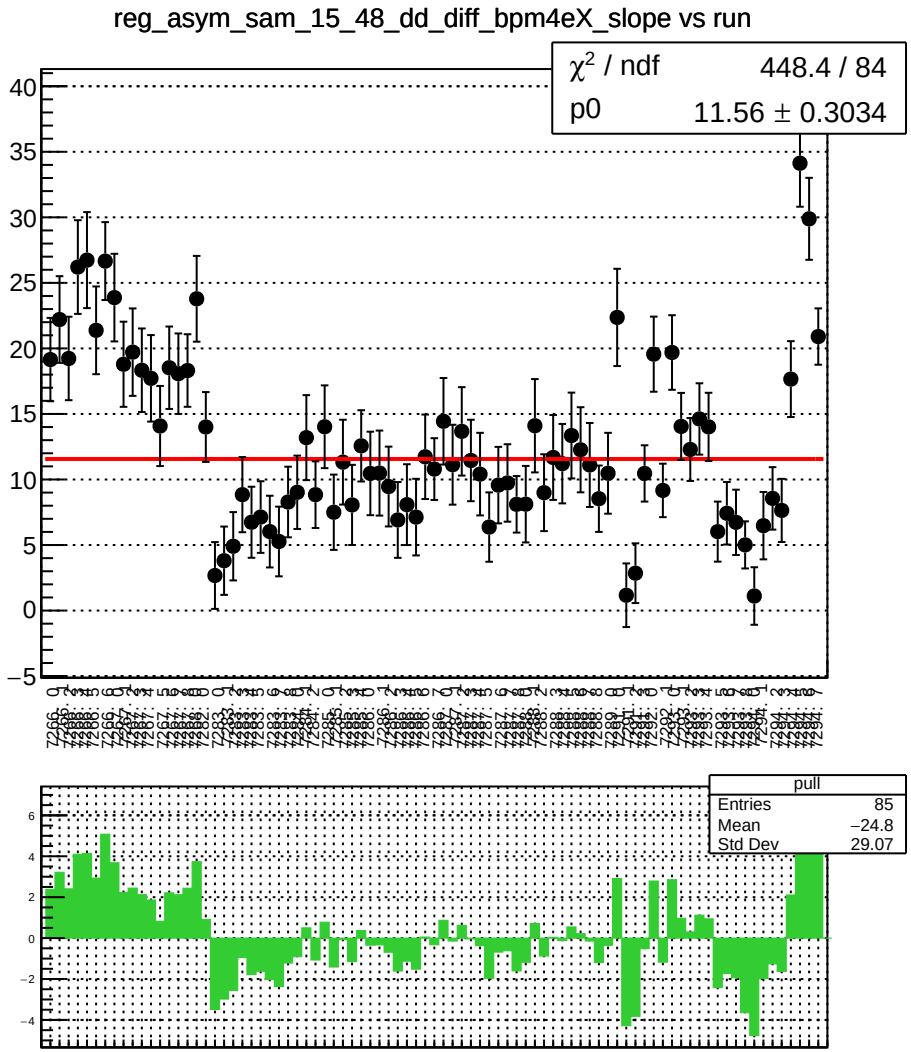
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run

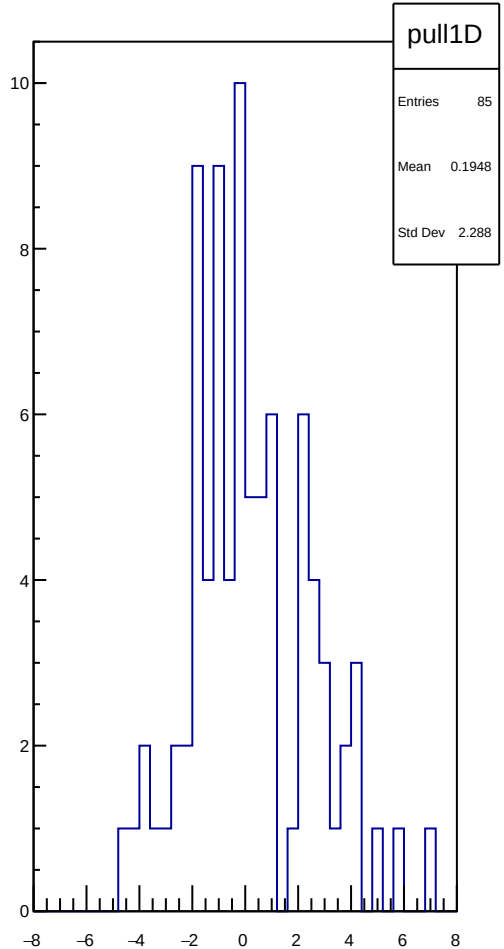


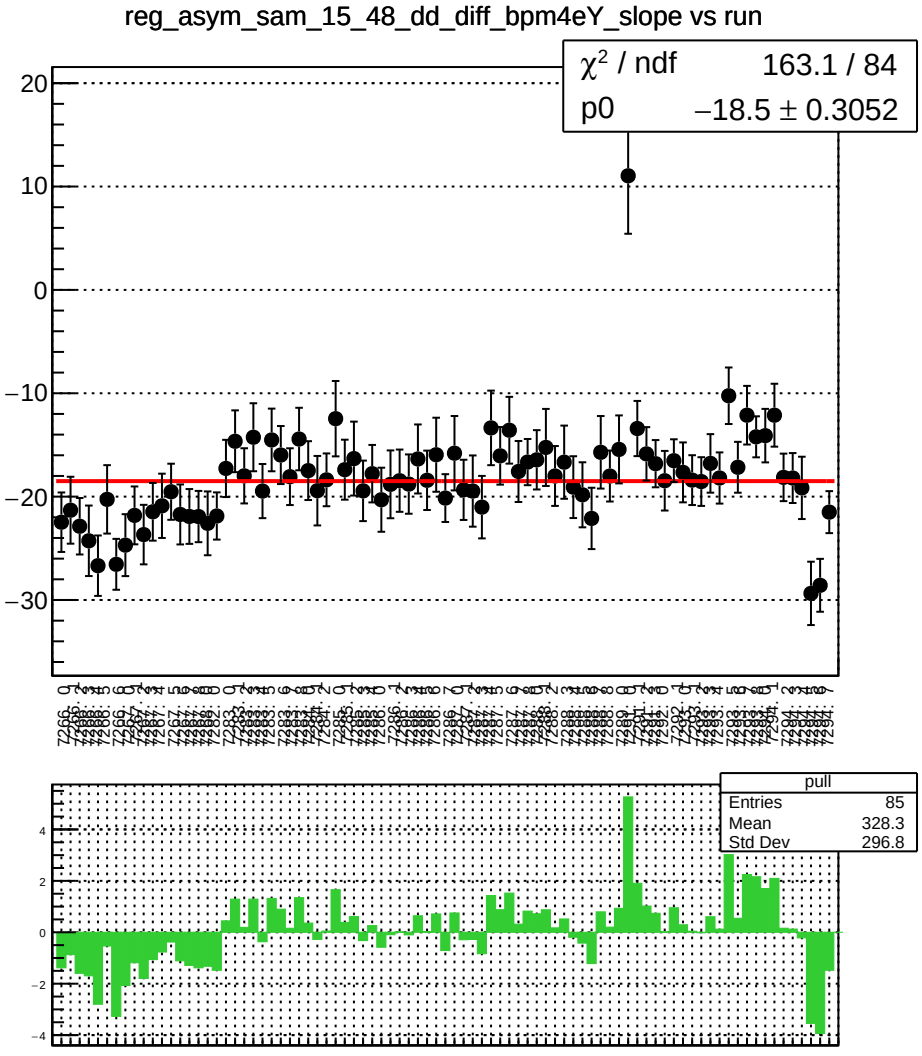


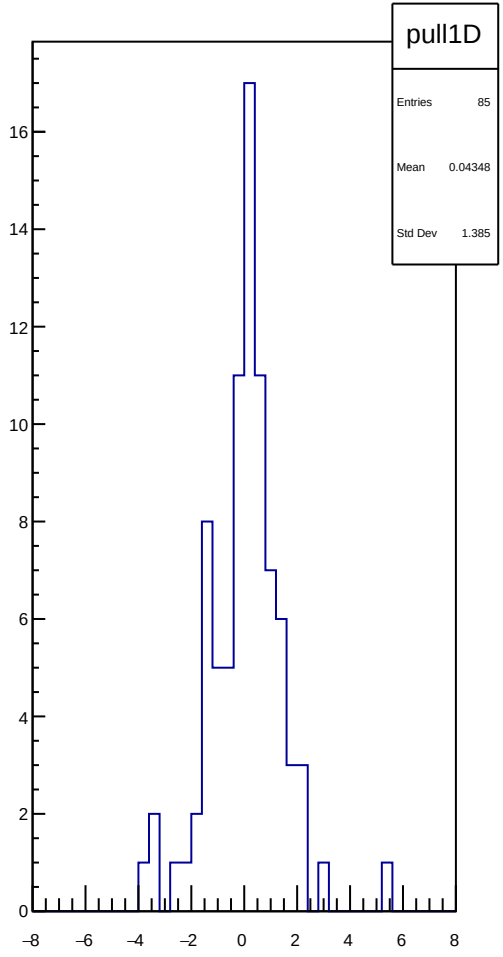

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 267 / 84
p0 −9.212 ± 0.2905
pull
Entries 85
Mean 154
Std Dev 128.6

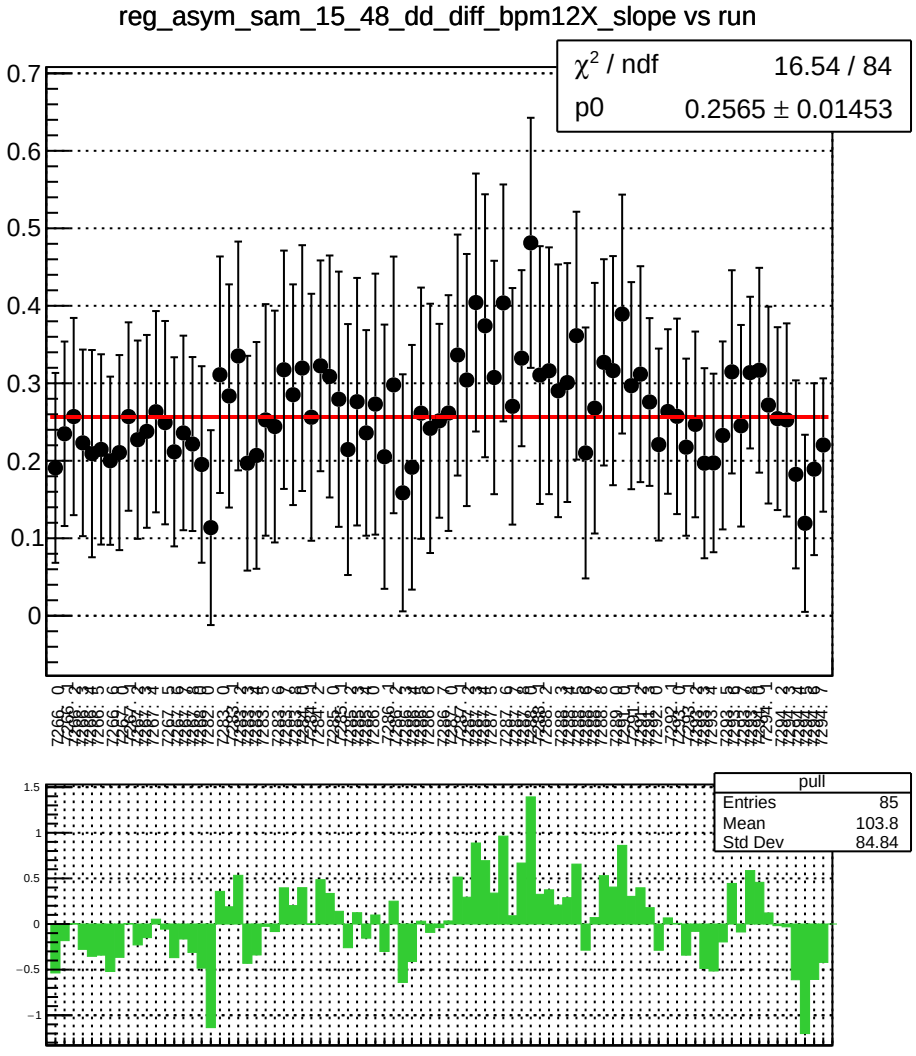

pull1D
Entries 85
Mean −0.1222
Std Dev 1.768

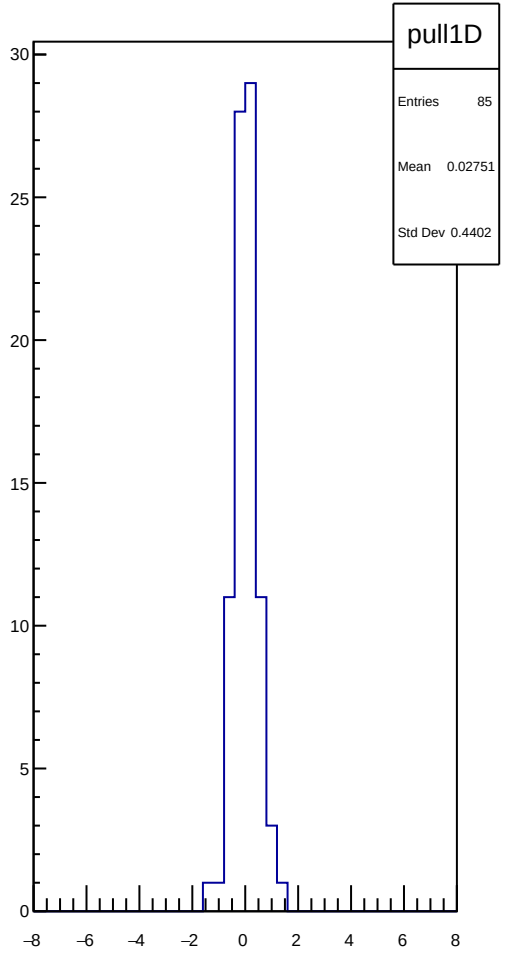

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 448.4 / 84
p0 11.56 ± 0.3034
pull
Entries 85
Mean −24.8
Std Dev 29.07

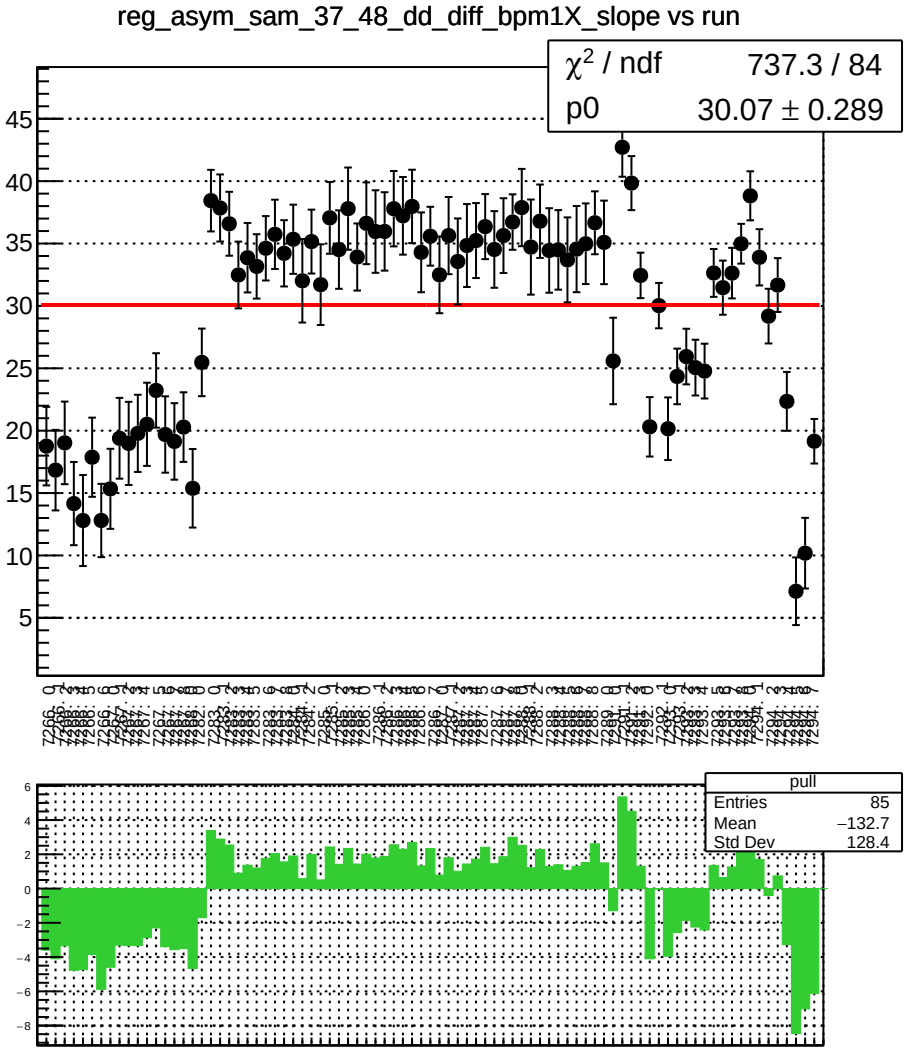

pull1D
Entries 85
Mean 0.1948
Std Dev 2.288

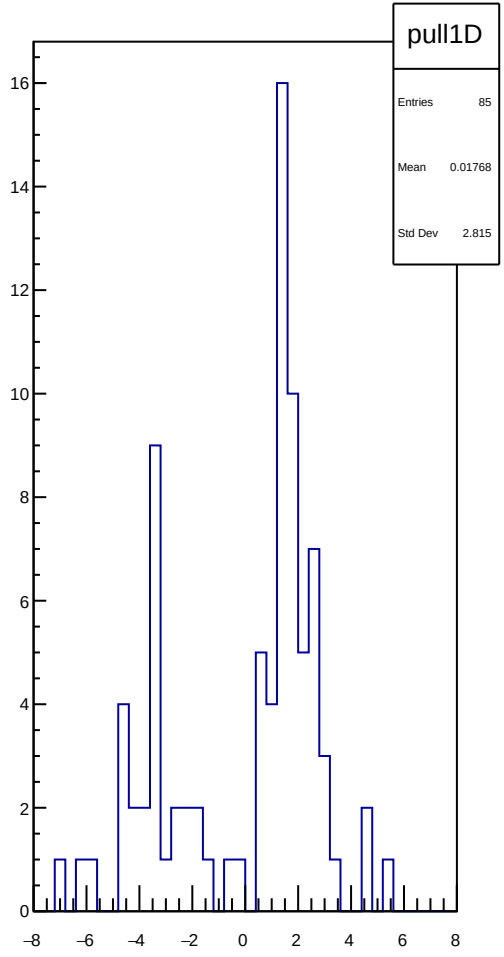

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 163.1 / 84
p0 −18.5 ± 0.3052
pull
Entries 85
Mean 328.3
Std Dev 296.8

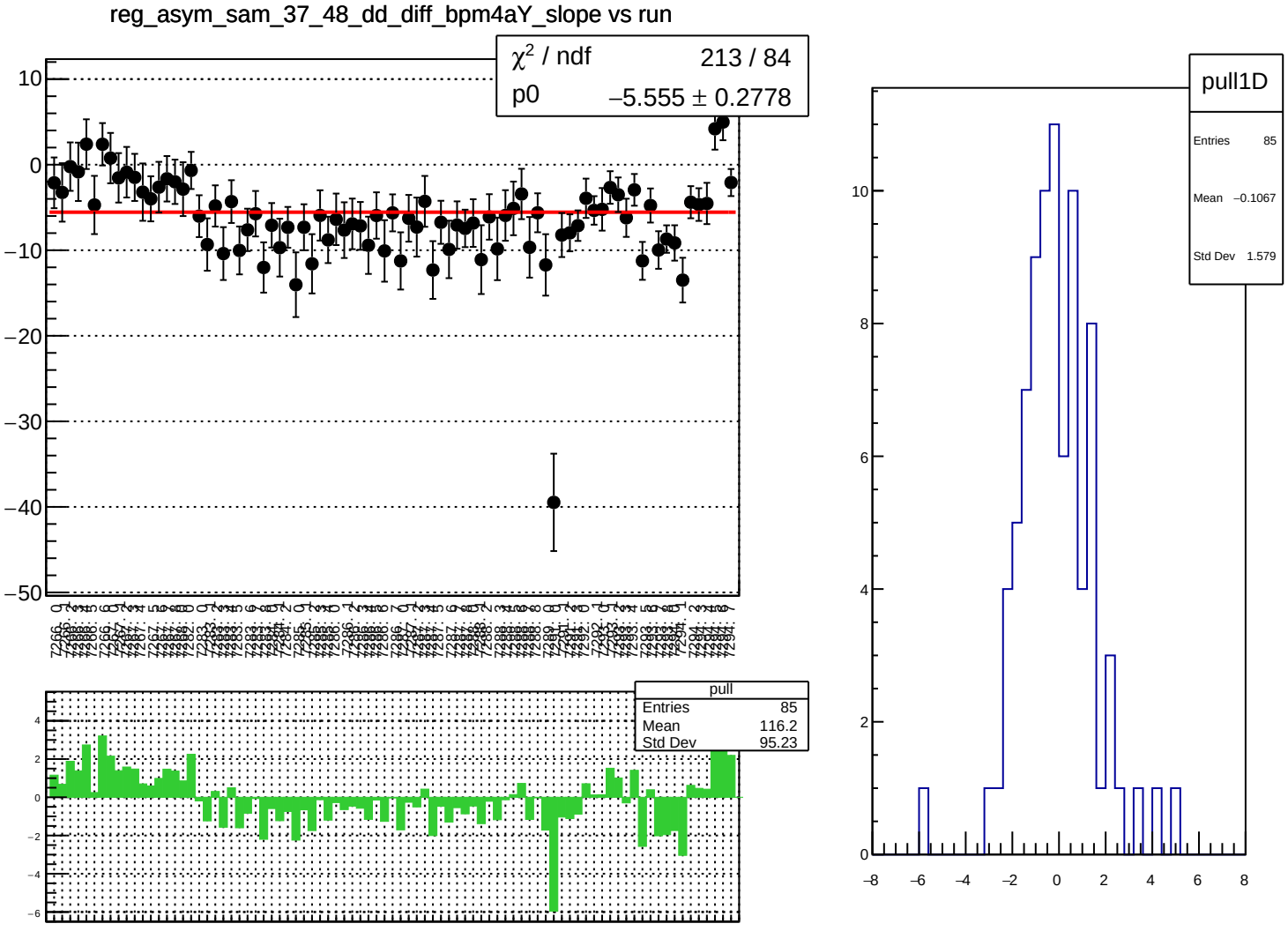

pull1D
Entries 85
Mean 0.04348
Std Dev 1.385

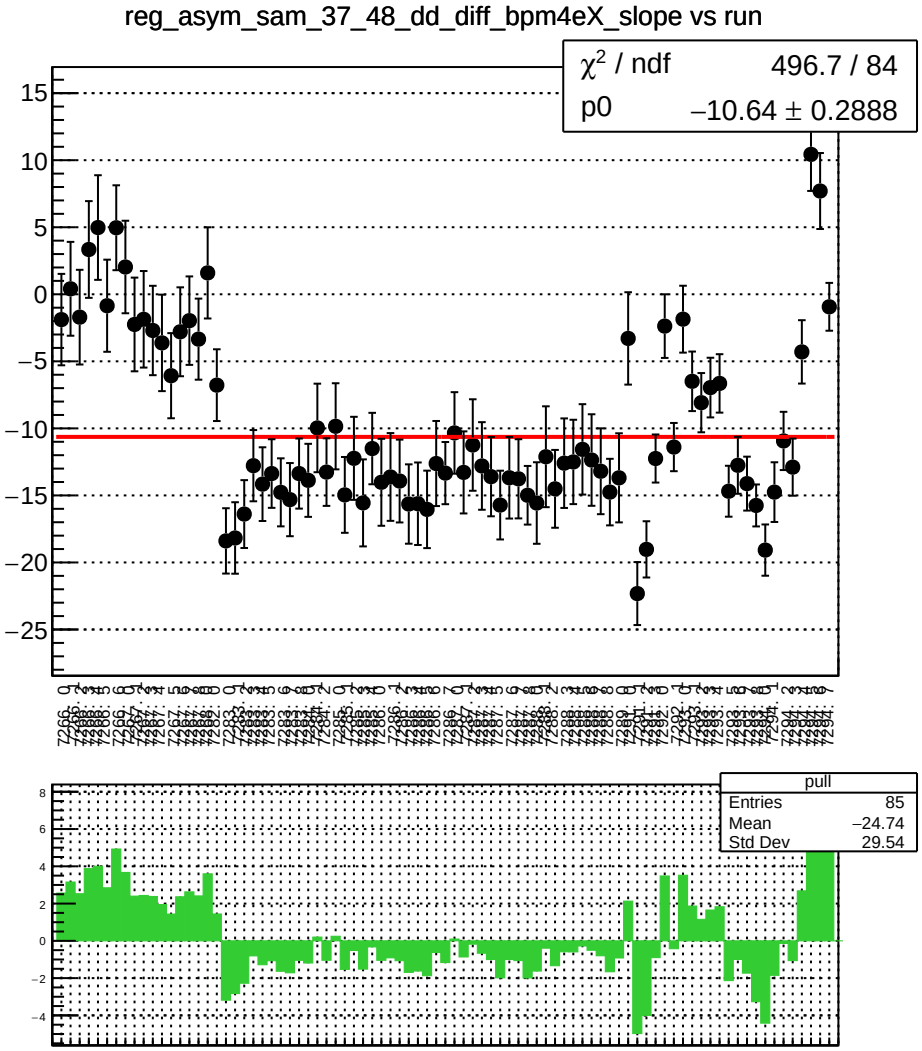

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 16.54 / 84
p0 0.2565 ± 0.01453
pull
Entries 85
Mean 103.8
Std Dev 84.84

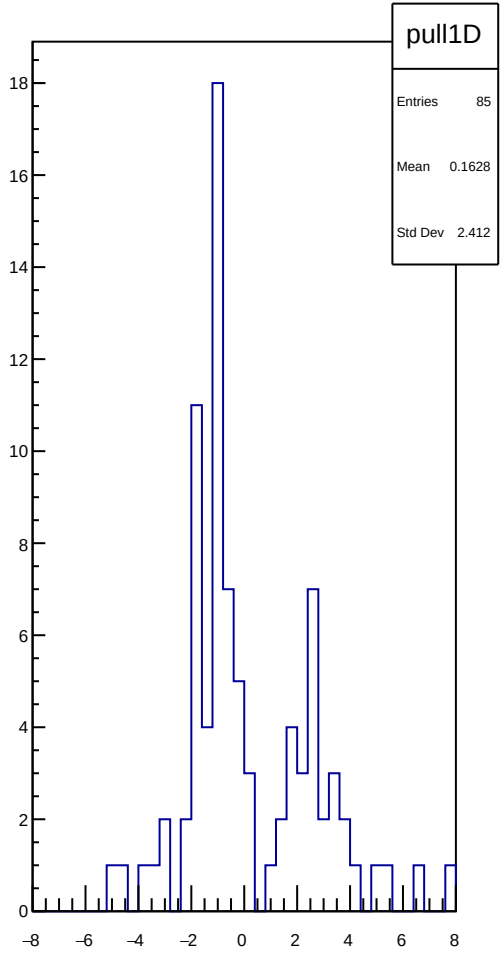

pull1D
Entries 85
Mean 0.02751
Std Dev 0.4402

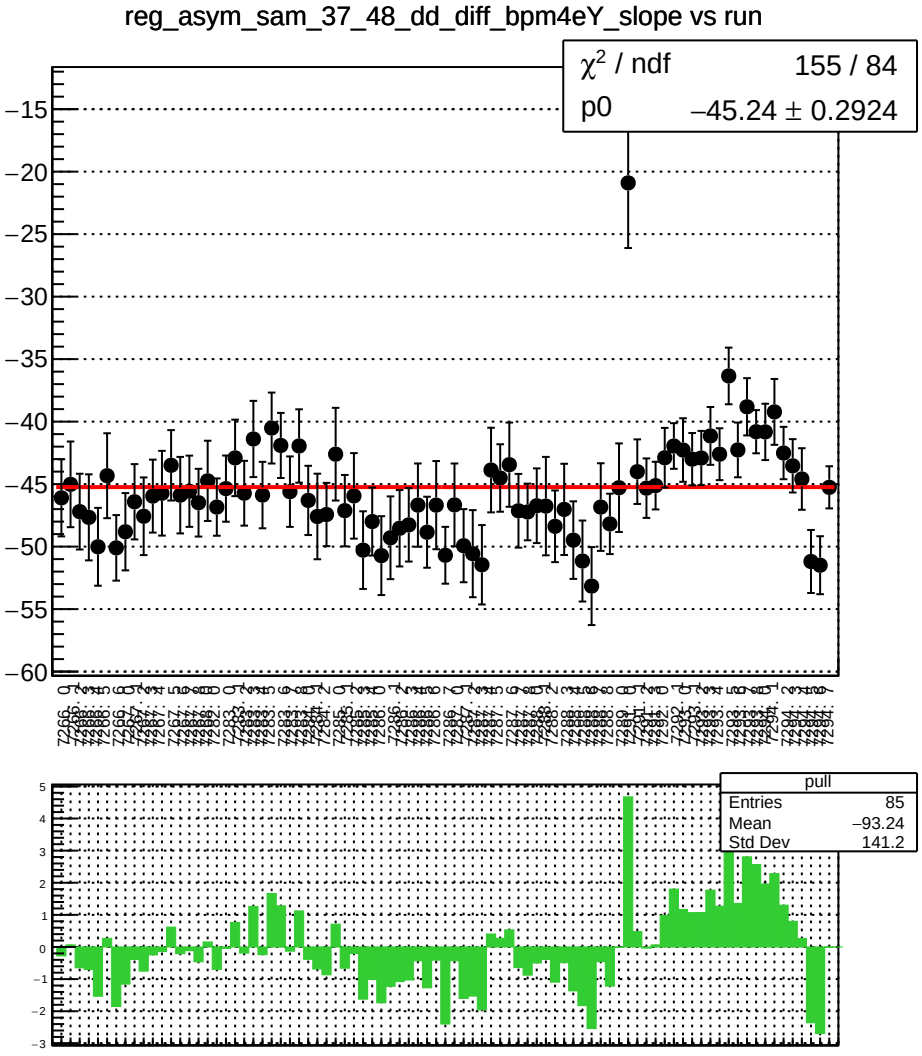

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 737.3 / 84
p0 30.07 ± 0.289
pull
Entries 85
Mean −132.7
Std Dev 128.4

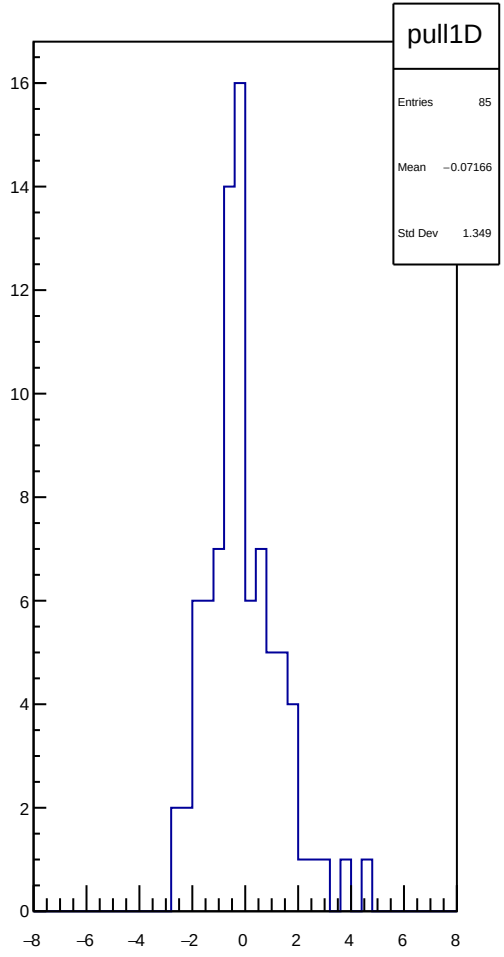

pull1D
Entries 85
Mean 0.01768
Std Dev 2.815

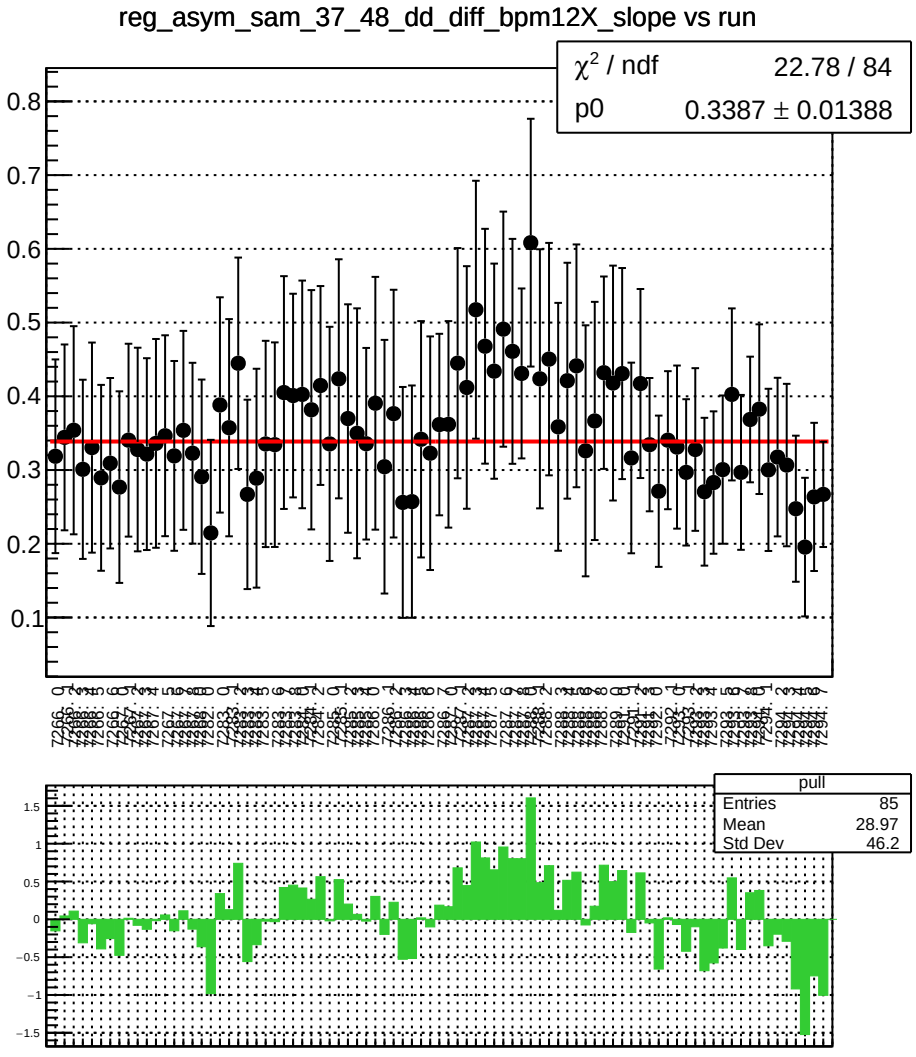

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 213 / 84
p0 −5.555 ± 0.2778
pull
Entries 85
Mean 116.2
Std Dev 95.23
pull1D
Entries 85
Mean −0.1067
Std Dev 1.579

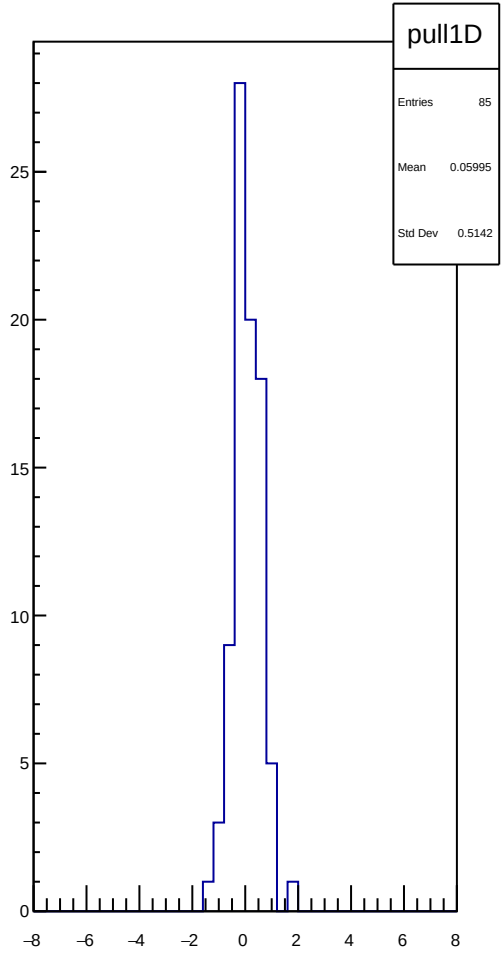

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 496.7 / 84
p0 −10.64 ± 0.2888
pull
Entries 85
Mean −24.74
Std Dev 29.54


pull1D
Entries 85
Mean 0.1628
Std Dev 2.412

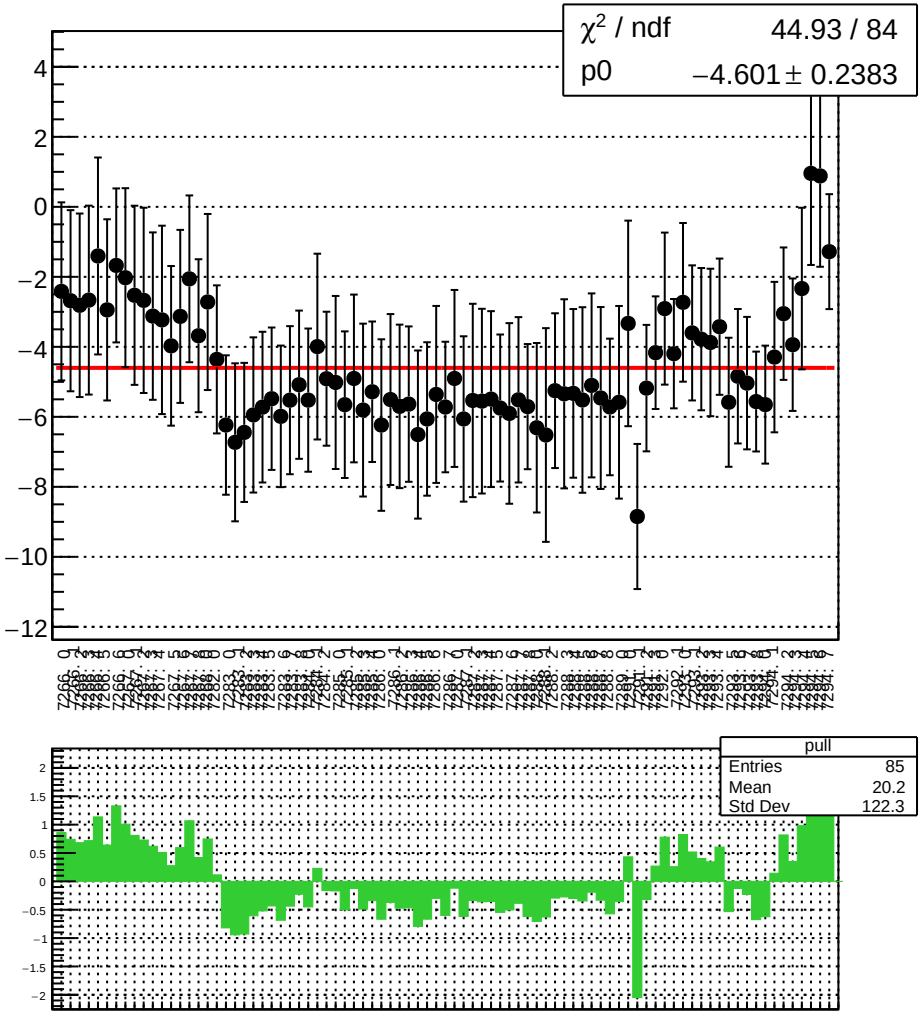

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 155 / 84
p0 −45.24 ± 0.2924
pull
Entries 85
Mean −93.24
Std Dev 141.2

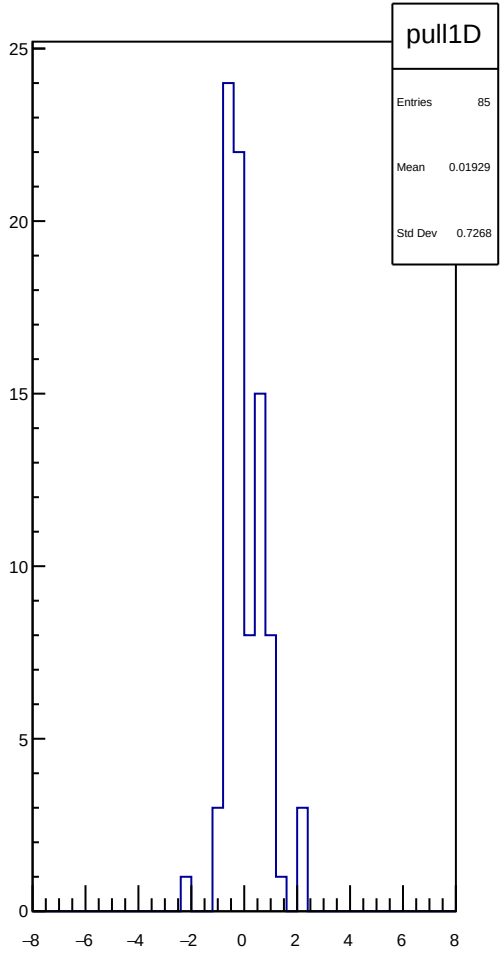

pull1D
Entries 85
Mean −0.07166
Std Dev 1.349

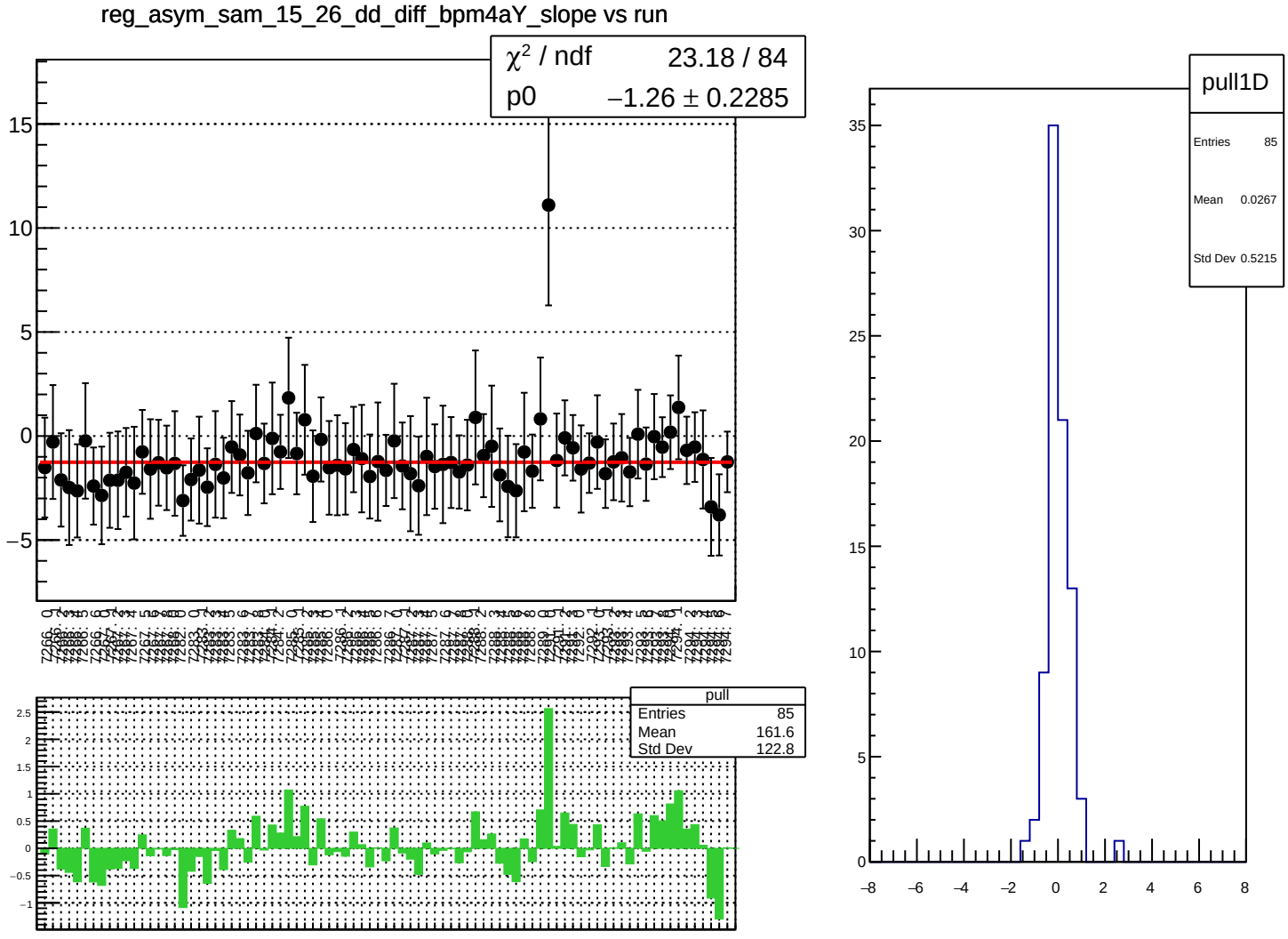

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 22.78 / 84
p0 0.3387 ± 0.01388
pull
Entries 85
Mean 28.97
Std Dev 46.2

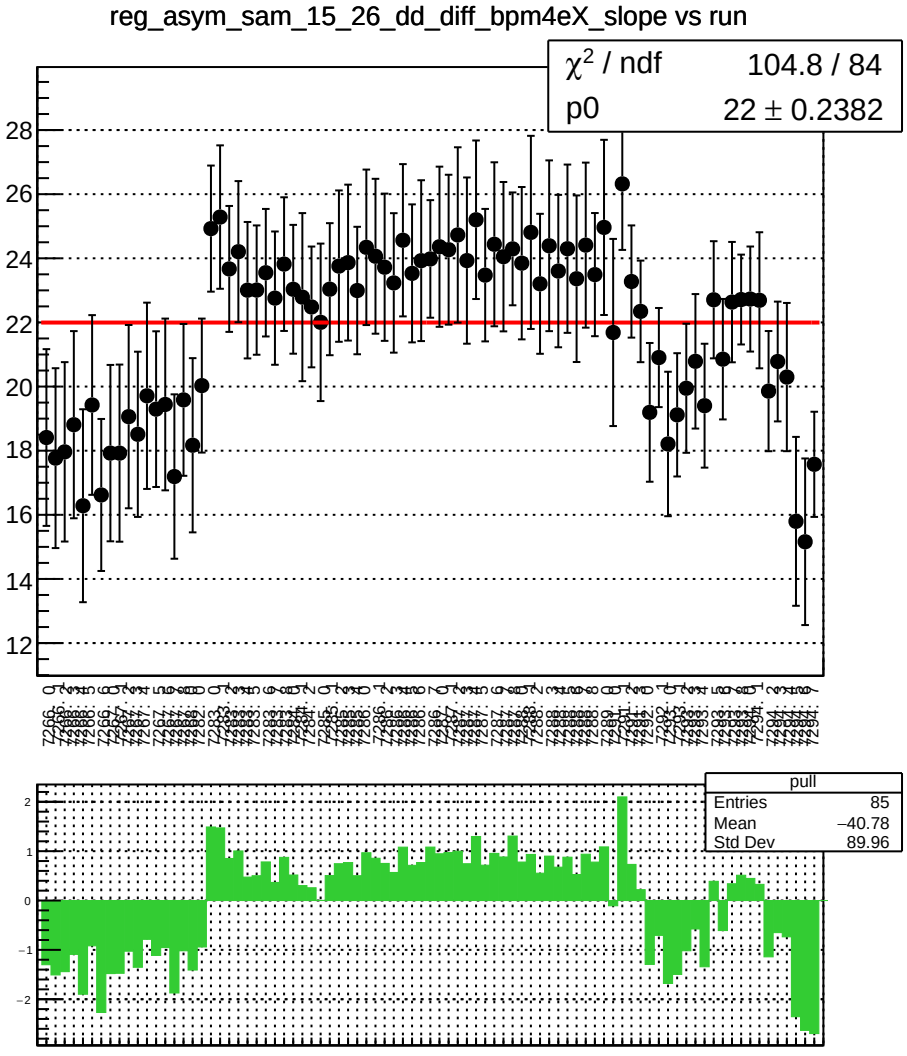

pull1D
Entries 85
Mean 0.05995
Std Dev 0.5142

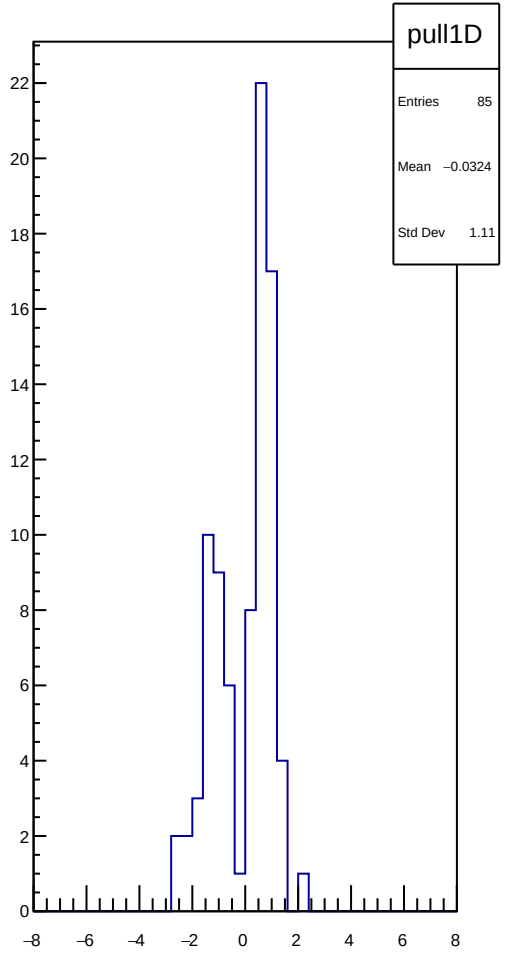
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run

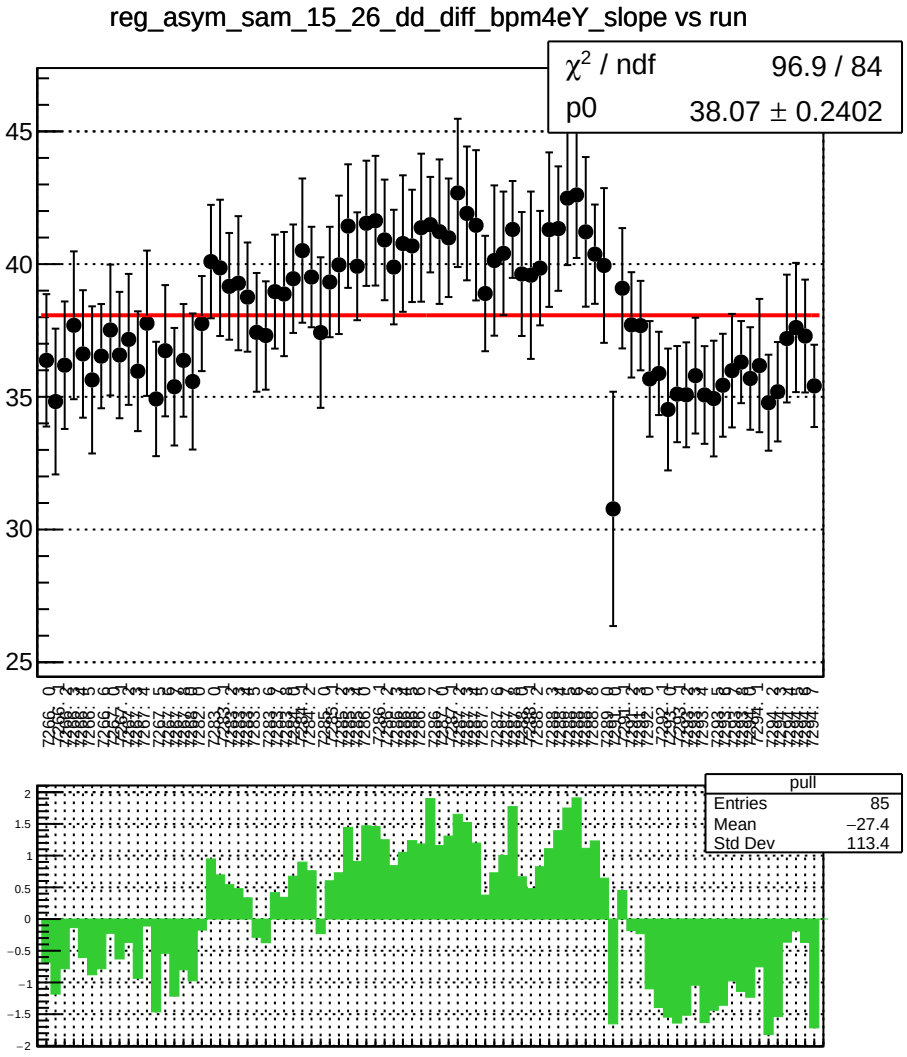


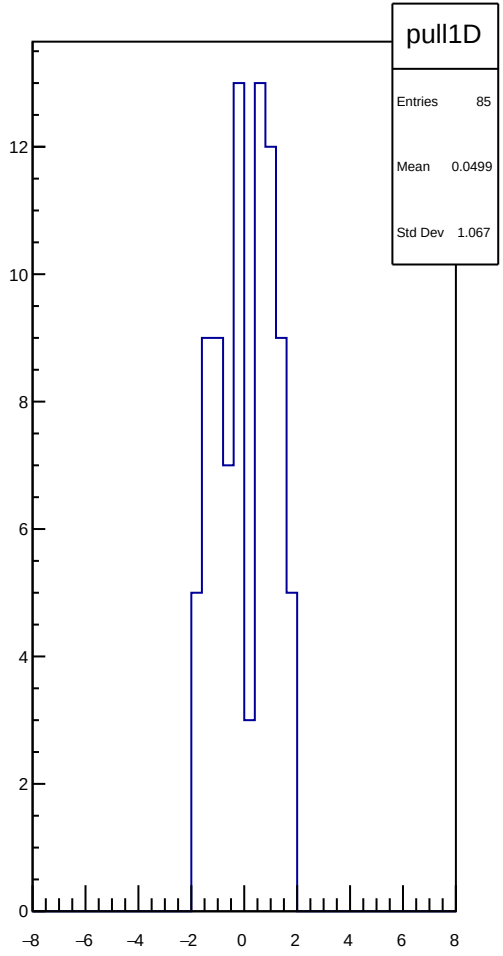


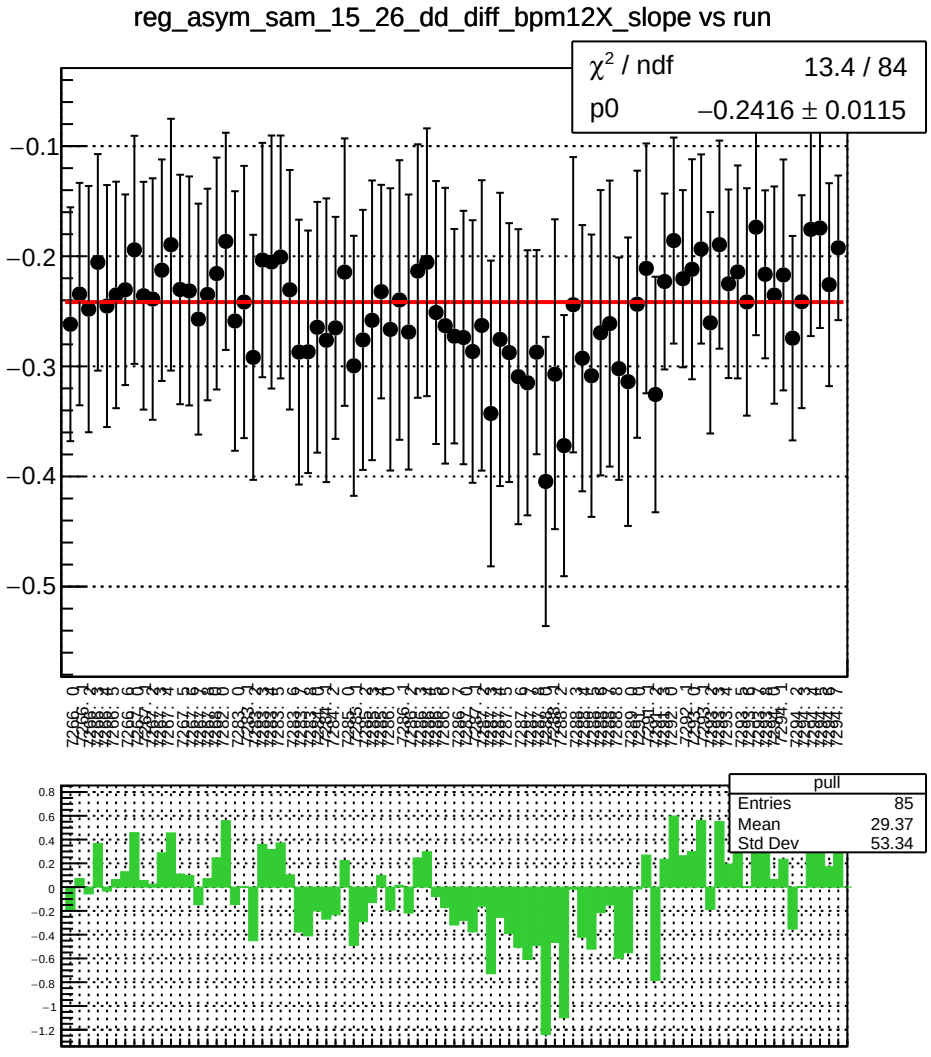

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.18 / 84
p0 −1.26 ± 0.2285
pull
Entries 85
Mean 161.6
Std Dev 122.8
pull1D
Entries 85
Mean 0.0267
Std Dev 0.5215

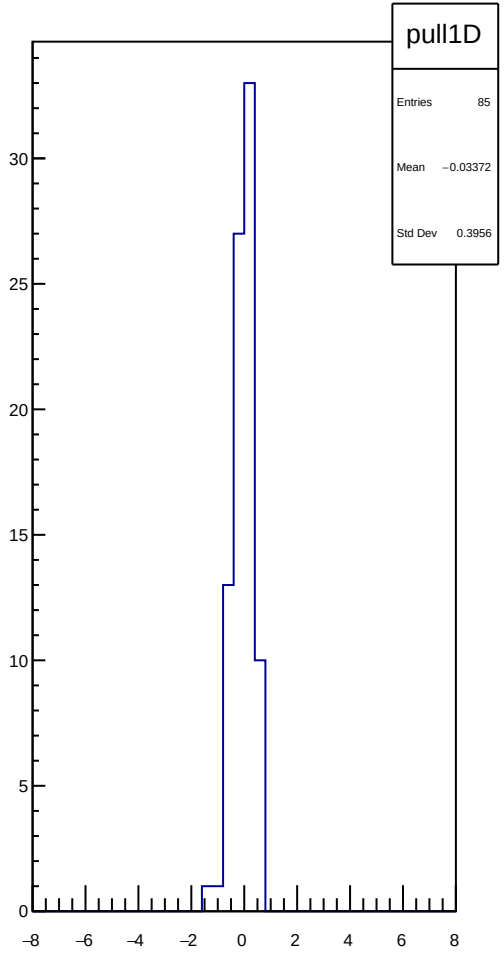

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 104.8 / 84
p0 22 ± 0.2382
pull
Entries 85
Mean −40.78
Std Dev 89.96

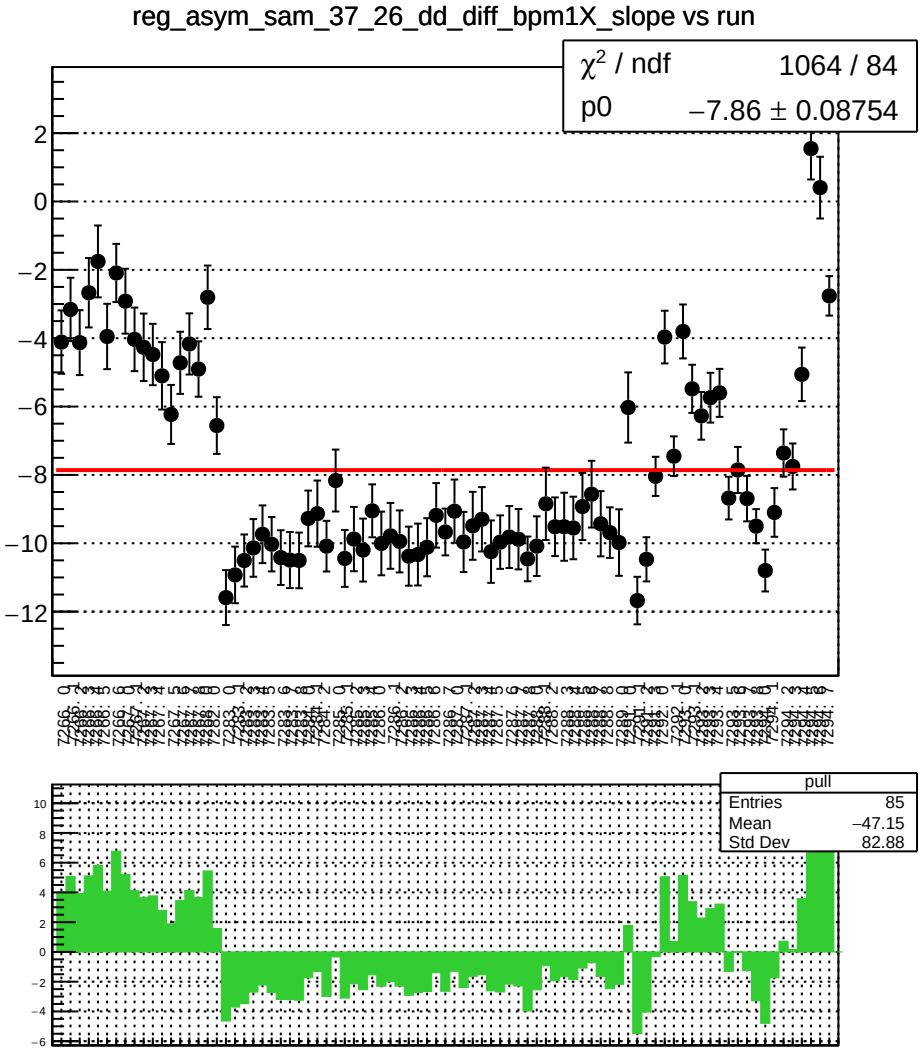

pull1D
Entries 85
Mean −0.0324
Std Dev 1.11

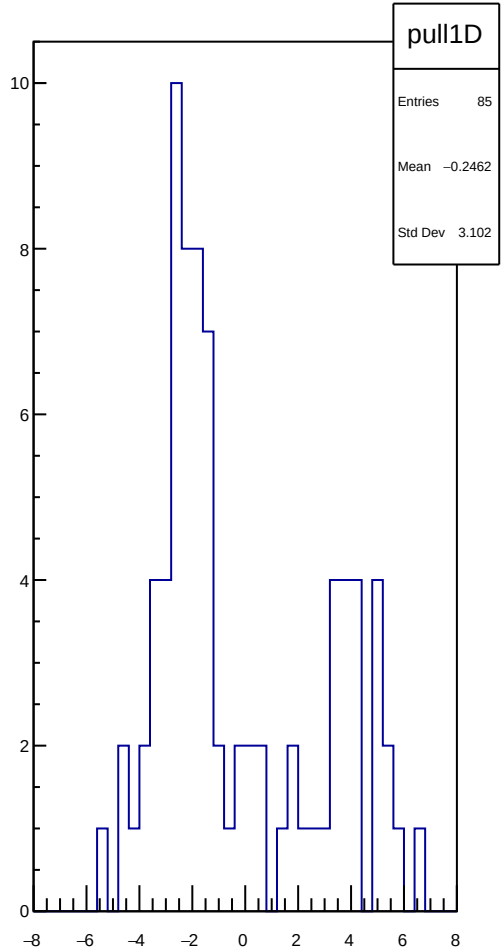

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 96.9 / 84
p0 38.07 ± 0.2402
pull
Entries 85
Mean −27.4
Std Dev 113.4

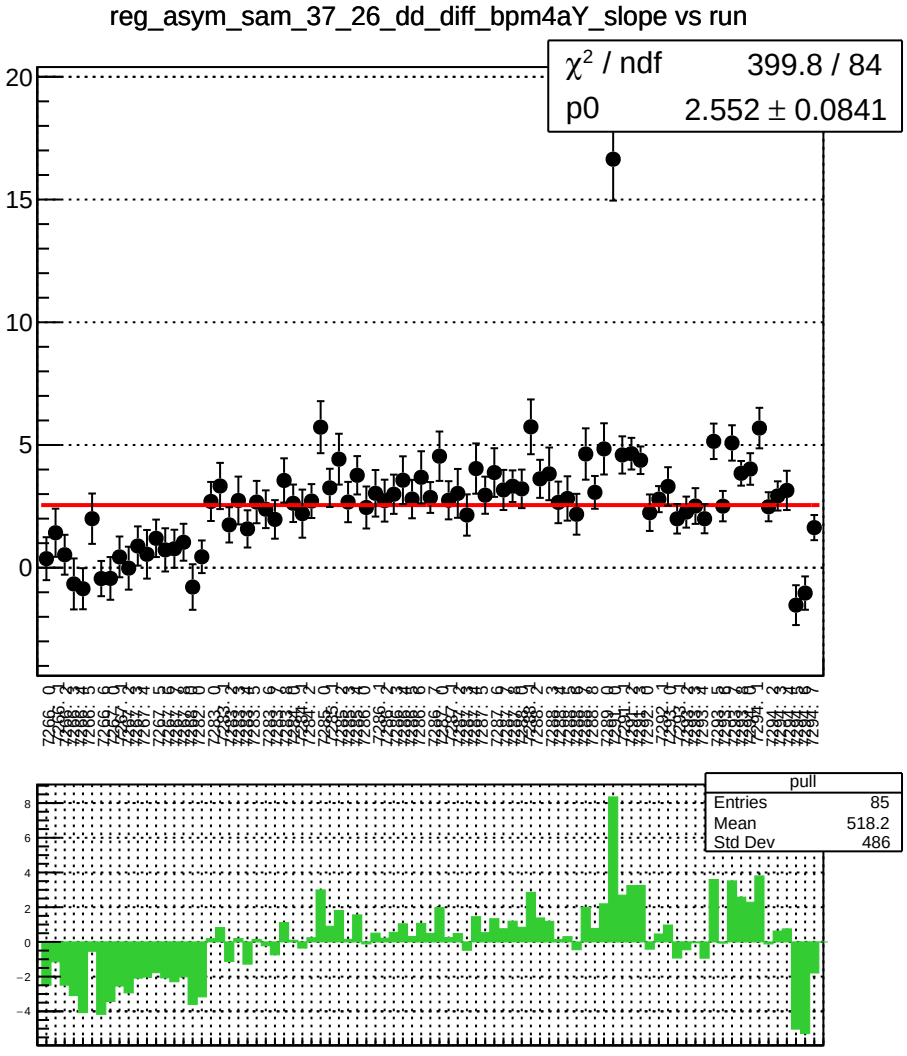

pull1D
Entries 85
Mean 0.0499
Std Dev 1.067

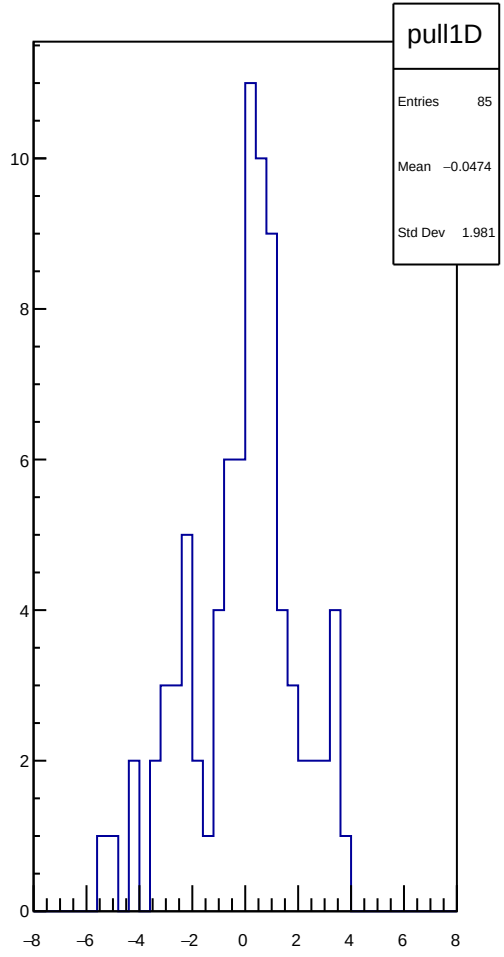

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ^2 / ndf 13.4 / 84
p0 −0.2416 ± 0.0115
pull
Entries 85
Mean 29.37
Std Dev 53.34

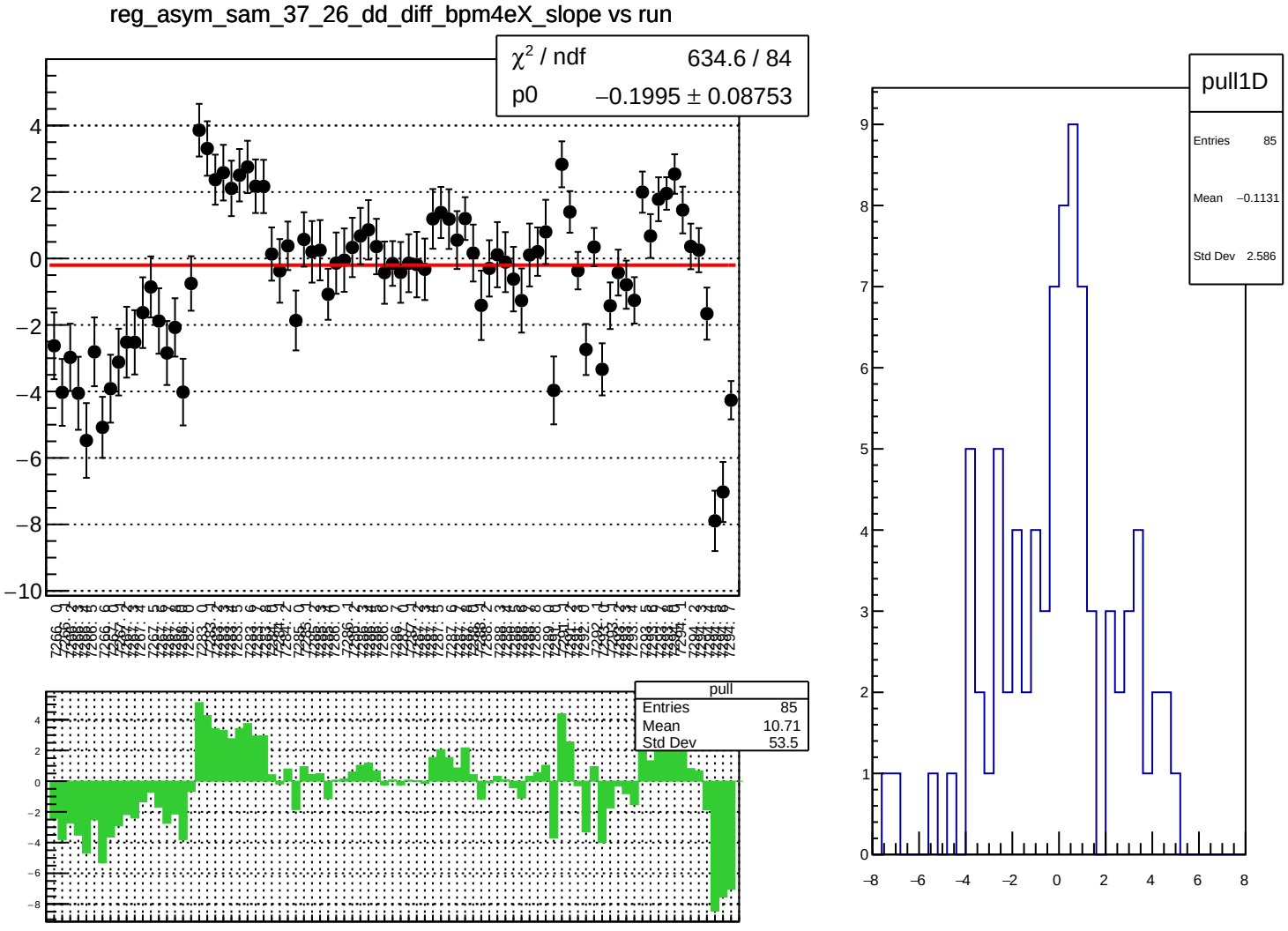

pull1D
Entries 85
Mean −0.03372
Std Dev 0.3956

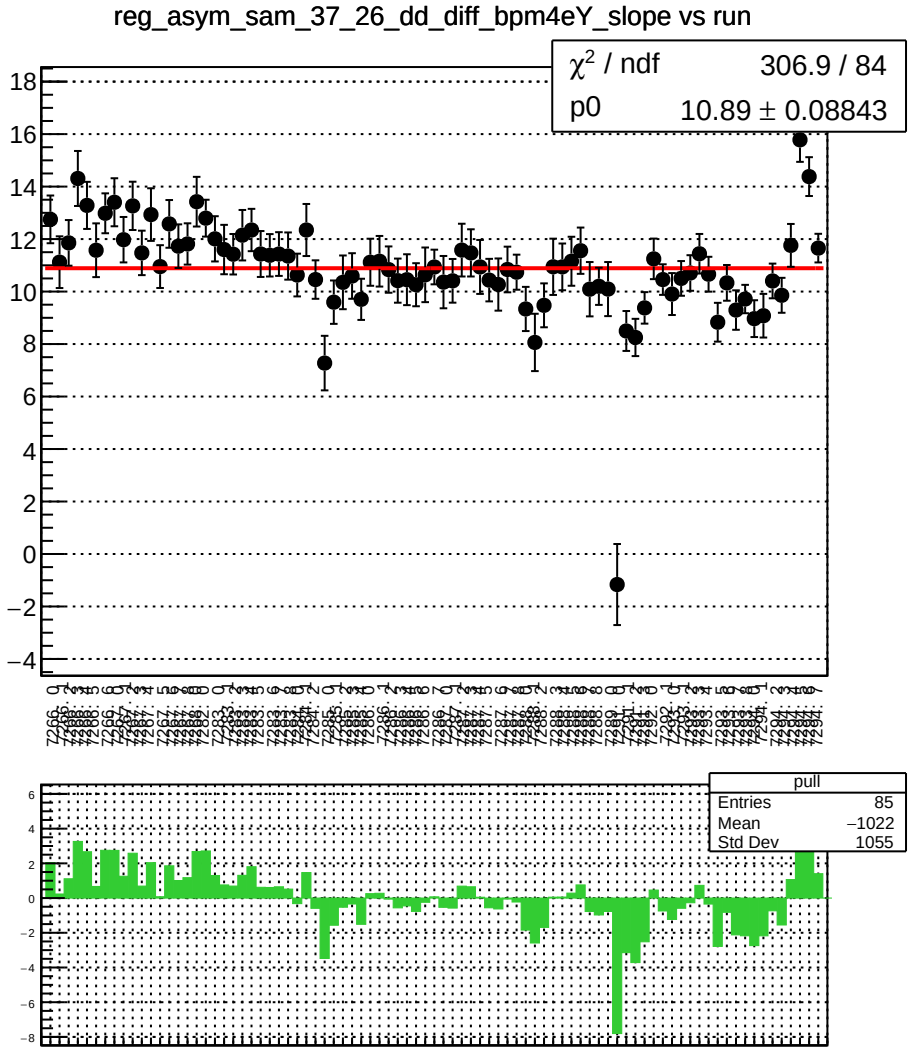

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1064 / 84
p0 −7.86 ± 0.08754
pull
Entries 85
Mean −47.15
Std Dev 82.88

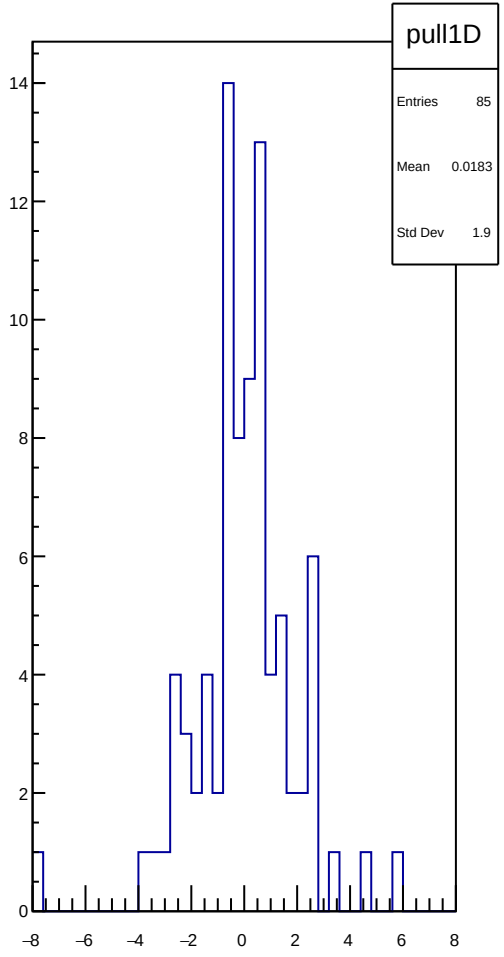

pull1D
Entries 85
Mean −0.2462
Std Dev 3.102

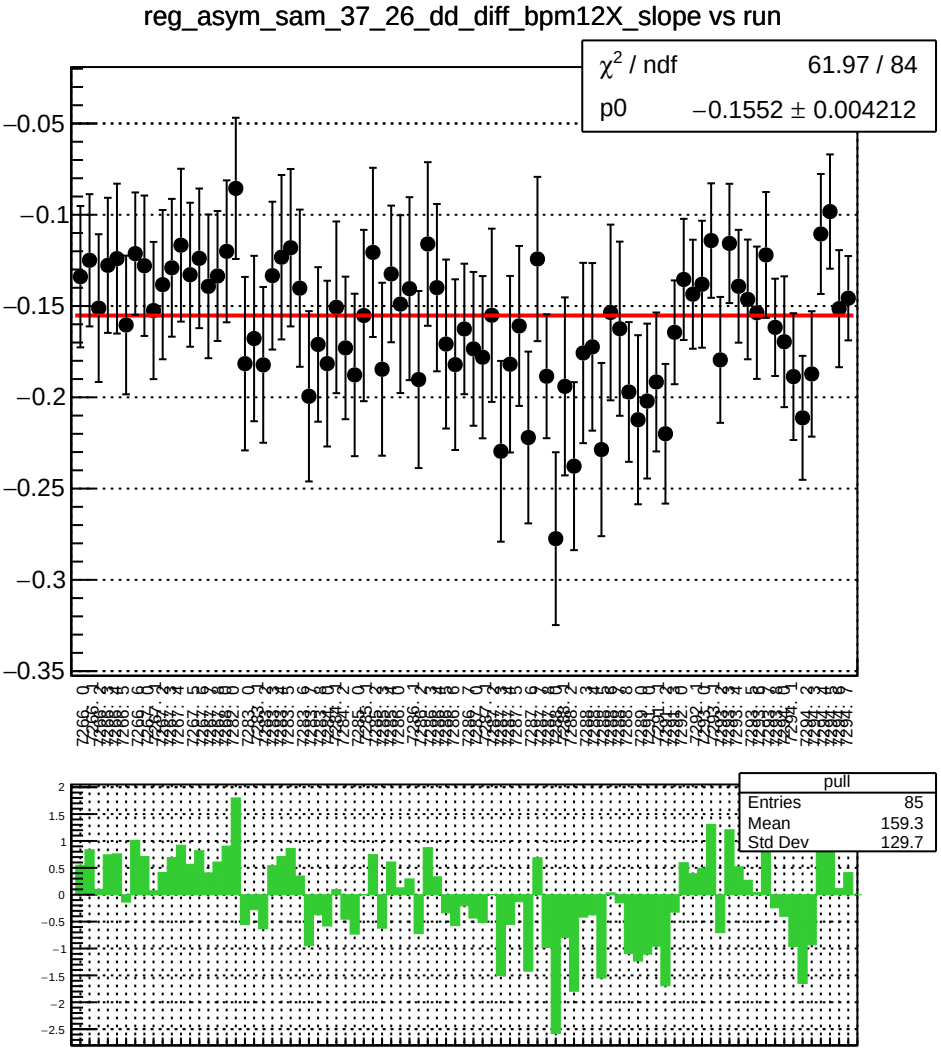

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 399.8 / 84
p0 2.552 ± 0.0841
pull
Entries 85
Mean 518.2
Std Dev 486

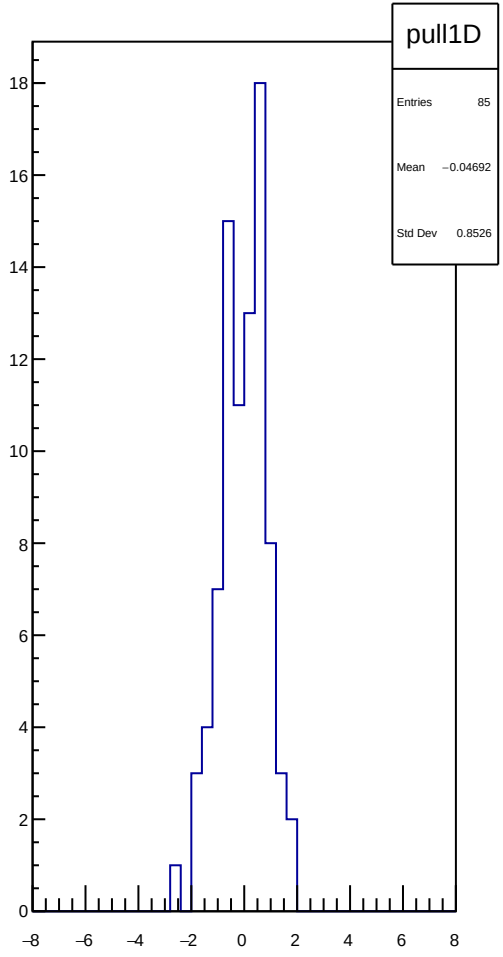

pull1D
Entries 85
Mean −0.0474
Std Dev 1.981

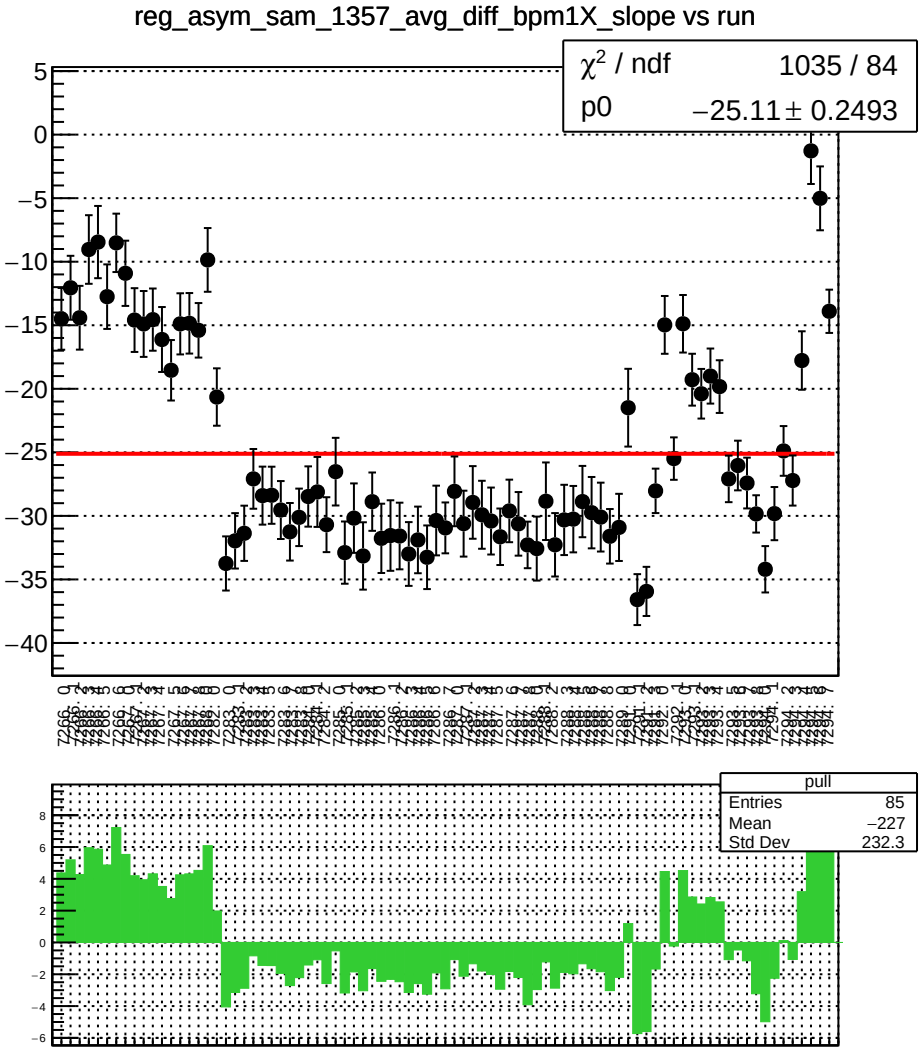

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 634.6 / 84
p0 −0.1995 ± 0.08753
pull
Entries 85
Mean 10.71
Std Dev 53.5
pull1D
Entries 85
Mean −0.1131
Std Dev 2.586

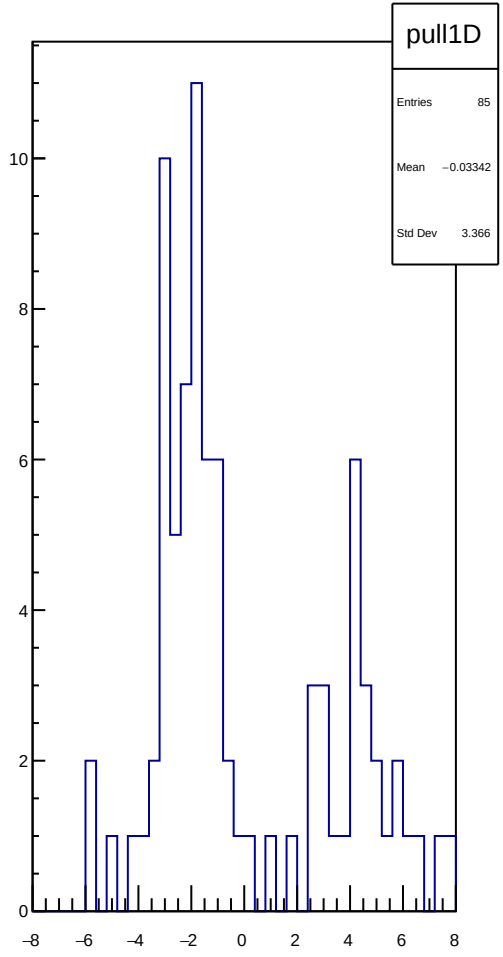

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 306.9 / 84
p0 10.89 ± 0.08843
pull
Entries 85
Mean −1022
Std Dev 1055

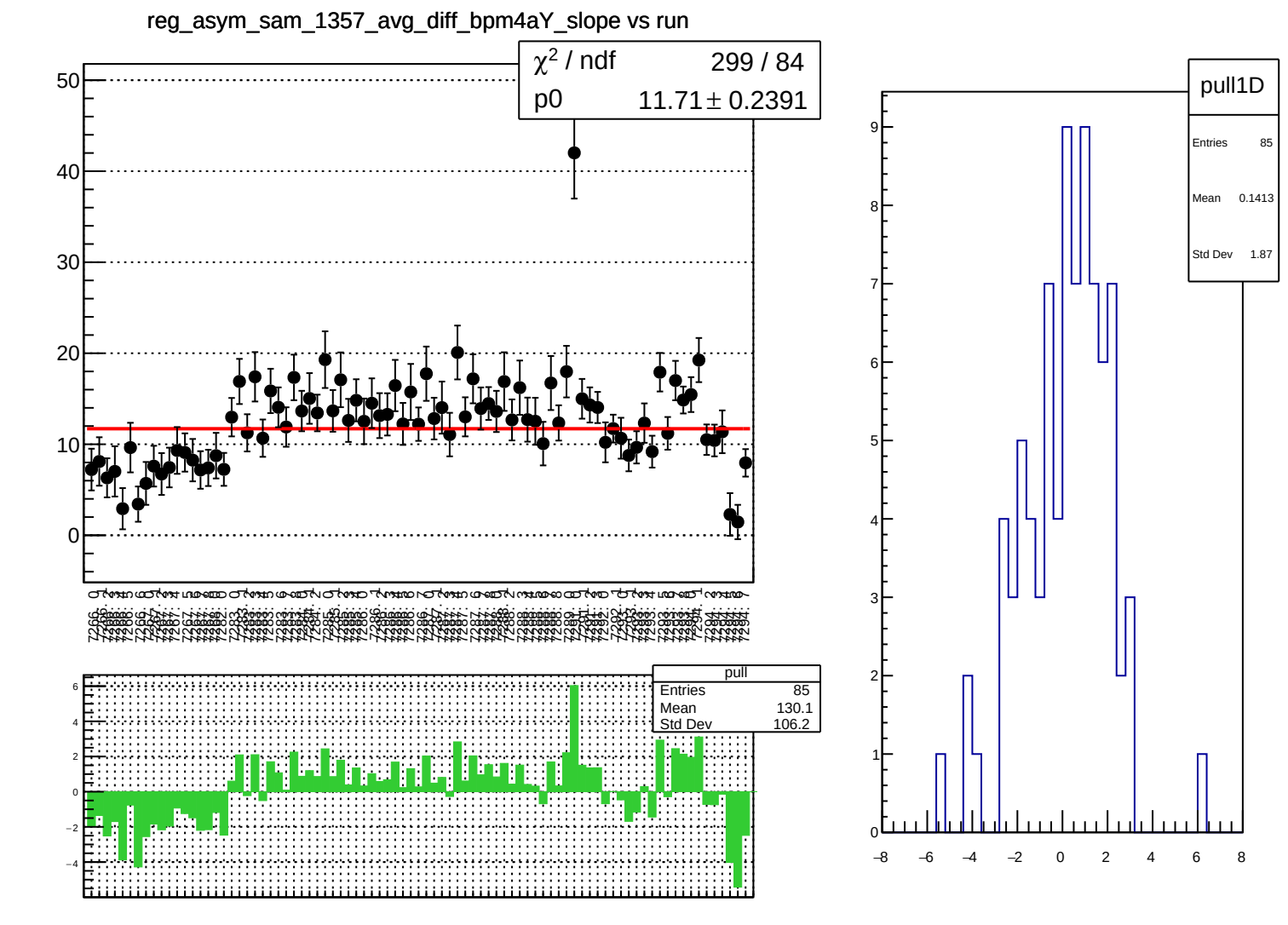

pull1D
Entries 85
Mean 0.0183
Std Dev 1.9

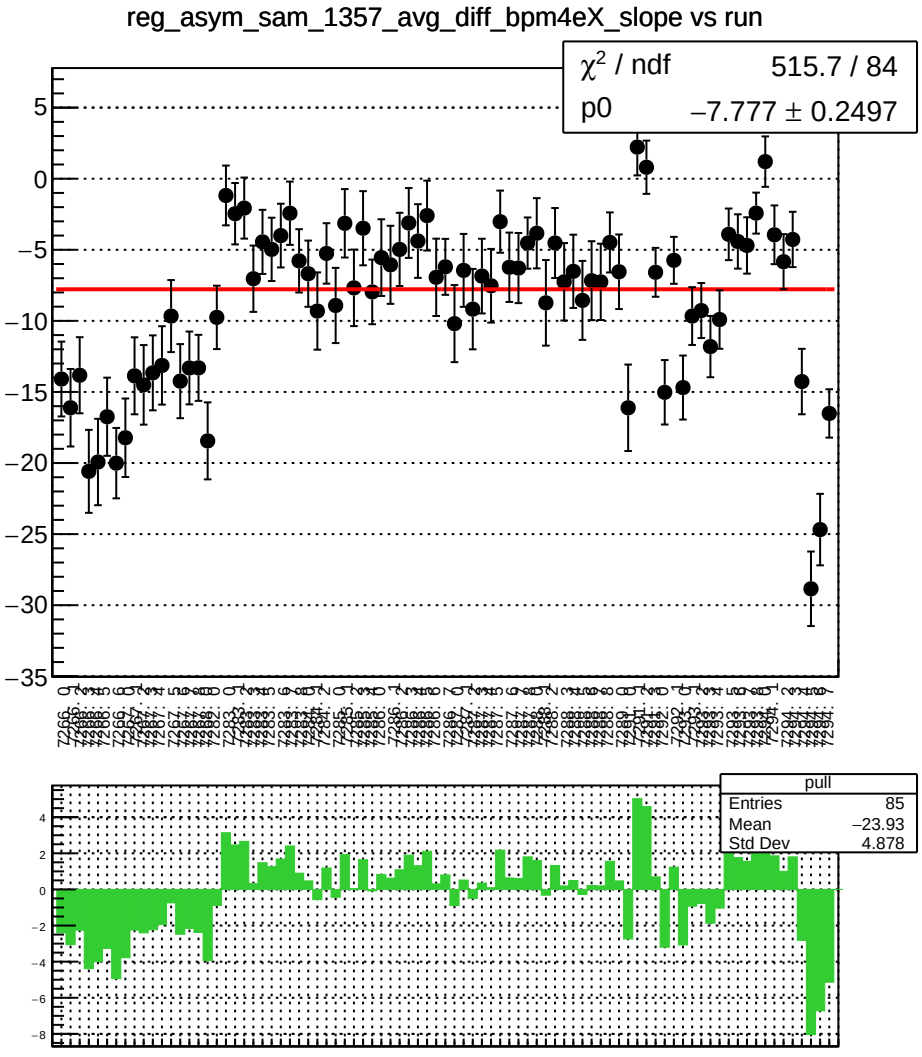

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 61.97 / 84
p0 −0.1552 ± 0.004212
pull
Entries 85
Mean 159.3
Std Dev 129.7

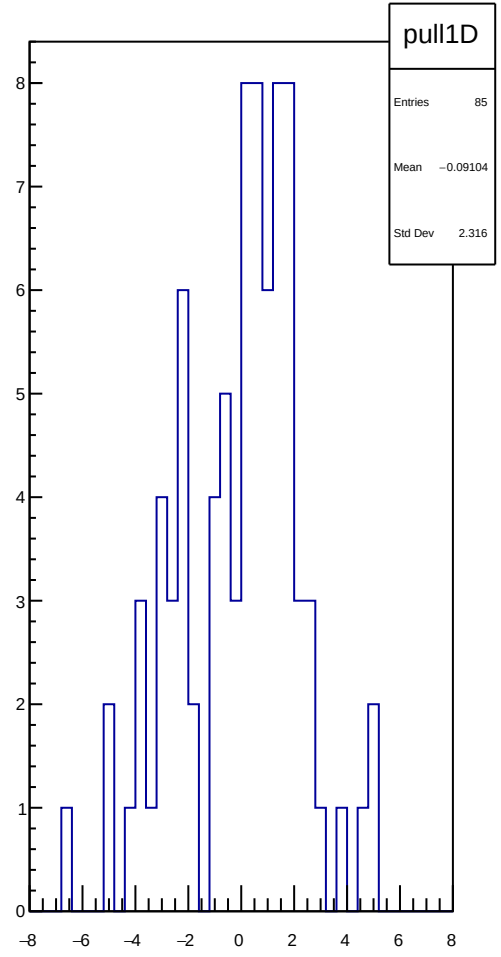

pull1D
Entries 85
Mean −0.04692
Std Dev 0.8526

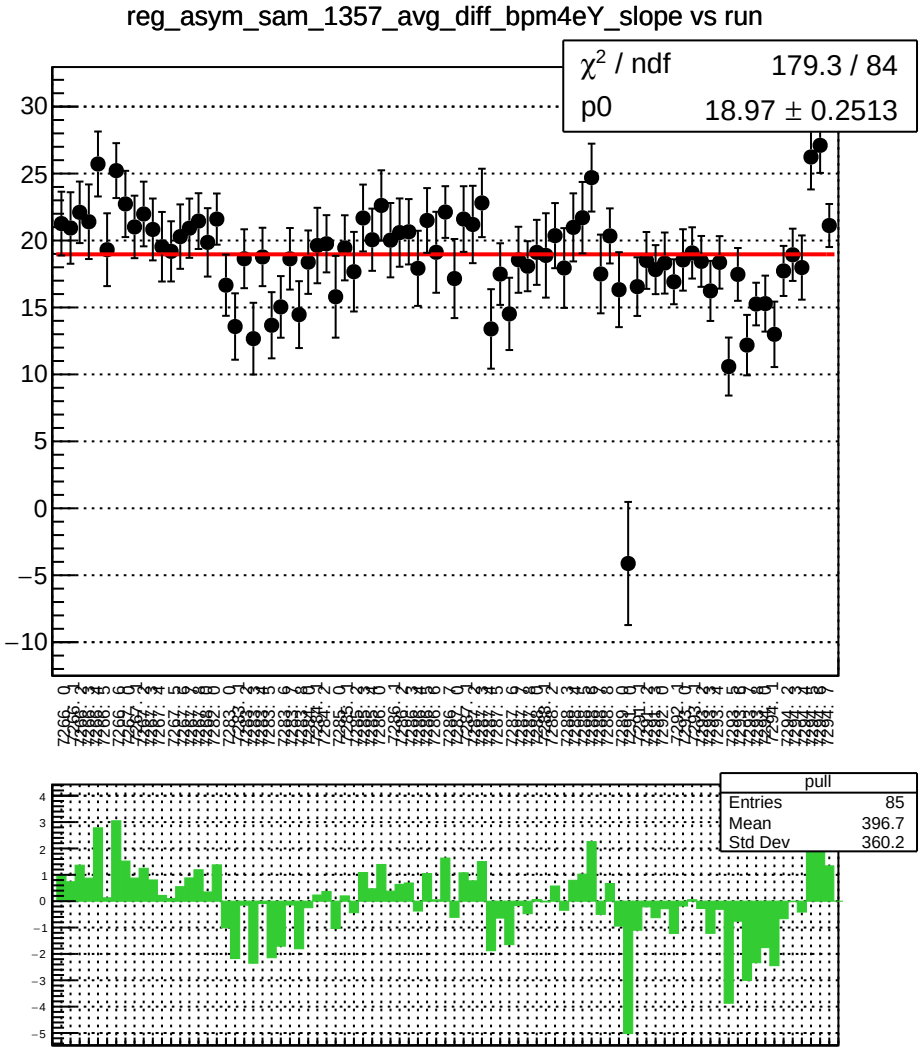

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ^2 / ndf 1035 / 84
p0 −25.11 ± 0.2493
pull
Entries 85
Mean −227
Std Dev 232.3

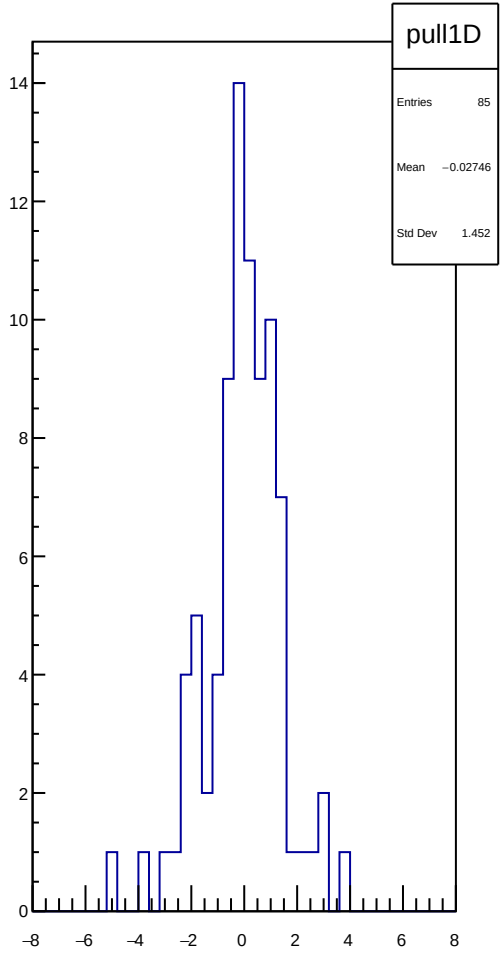

pull1D
Entries 85
Mean −0.03342
Std Dev 3.366

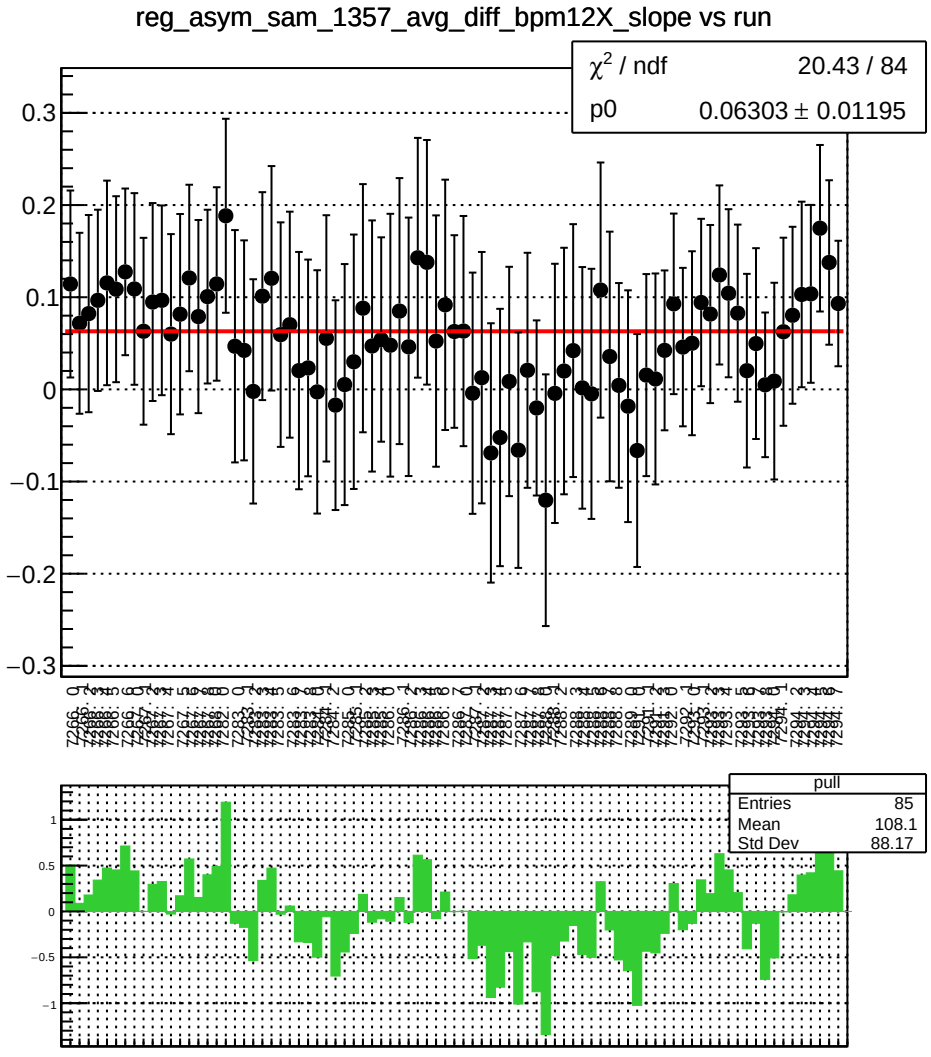

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 299 / 84
p0 11.71 ± 0.2391
pull
Entries 85
Mean 130.1
Std Dev 106.2
pull1D
Entries 85
Mean 0.1413
Std Dev 1.87

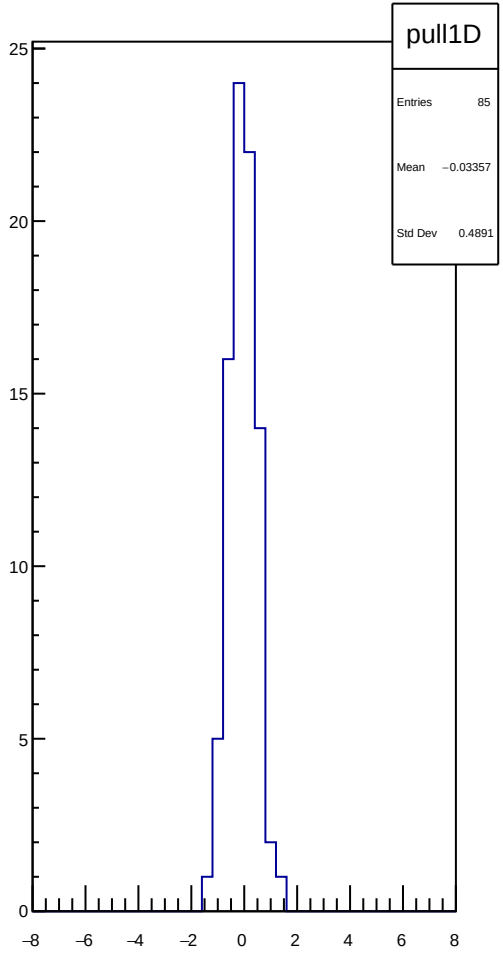

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 515.7 / 84
p0 −7.777 ± 0.2497
pull
Entries 85
Mean −23.93
Std Dev 4.878

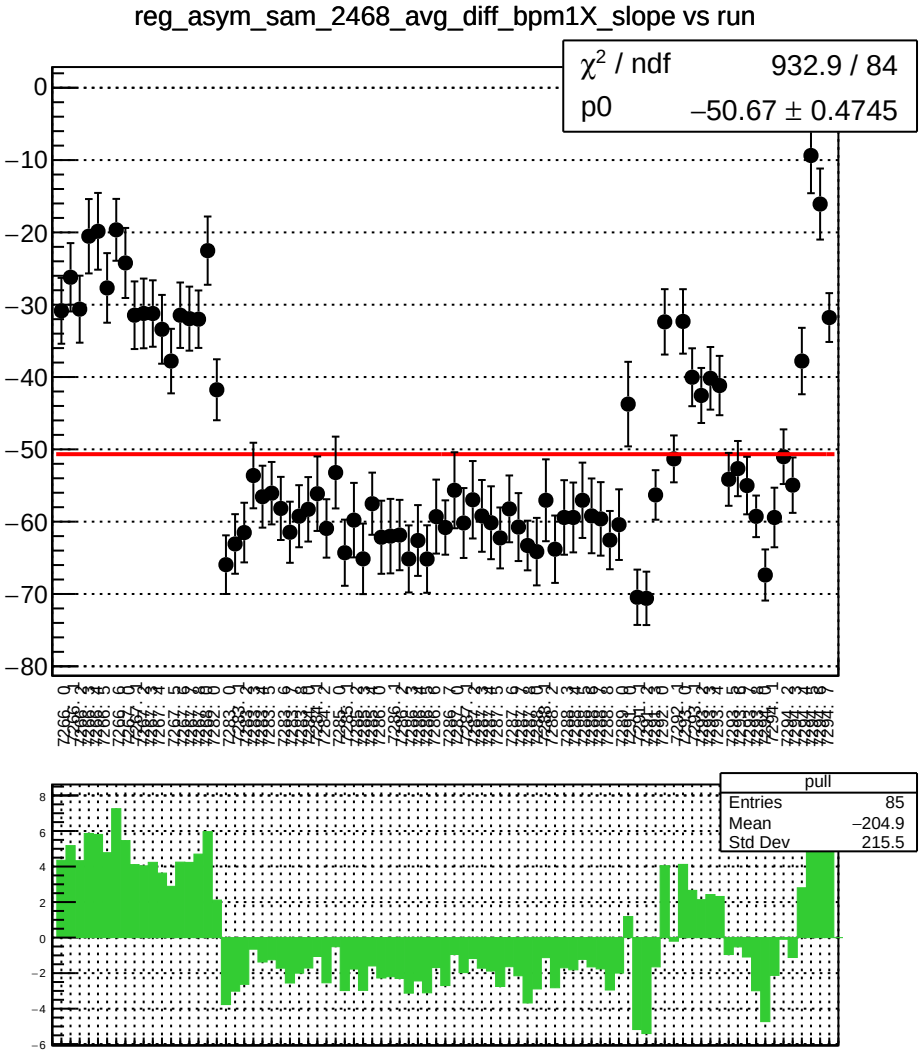

pull1D
Entries 85
Mean −0.09104
Std Dev 2.316

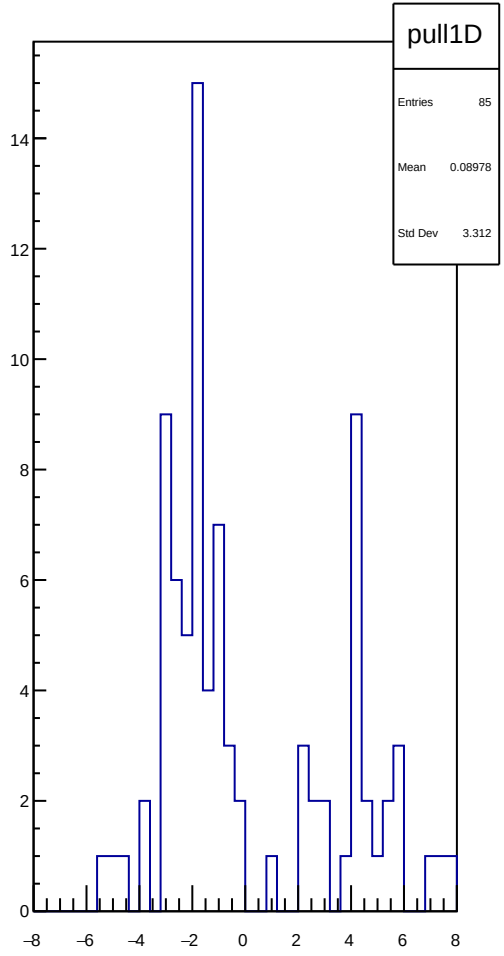

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 179.3 / 84
p0 18.97 ± 0.2513
pull
Entries 85
Mean 396.7
Std Dev 360.2

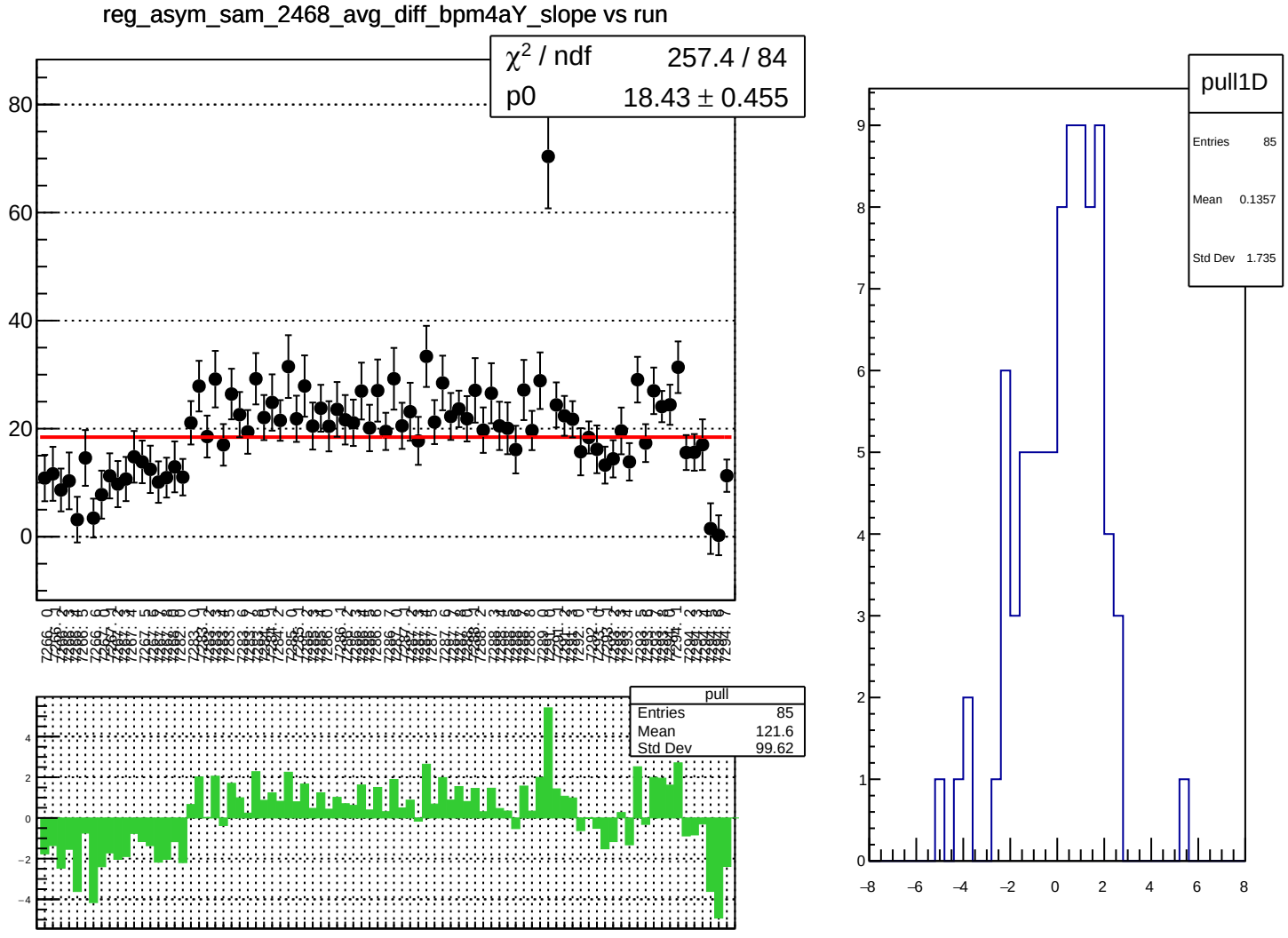

pull1D
Entries 85
Mean −0.02746
Std Dev 1.452


reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 20.43 / 84
p0 0.06303 ± 0.01195
pull
Entries 85
Mean 108.1
Std Dev 88.17

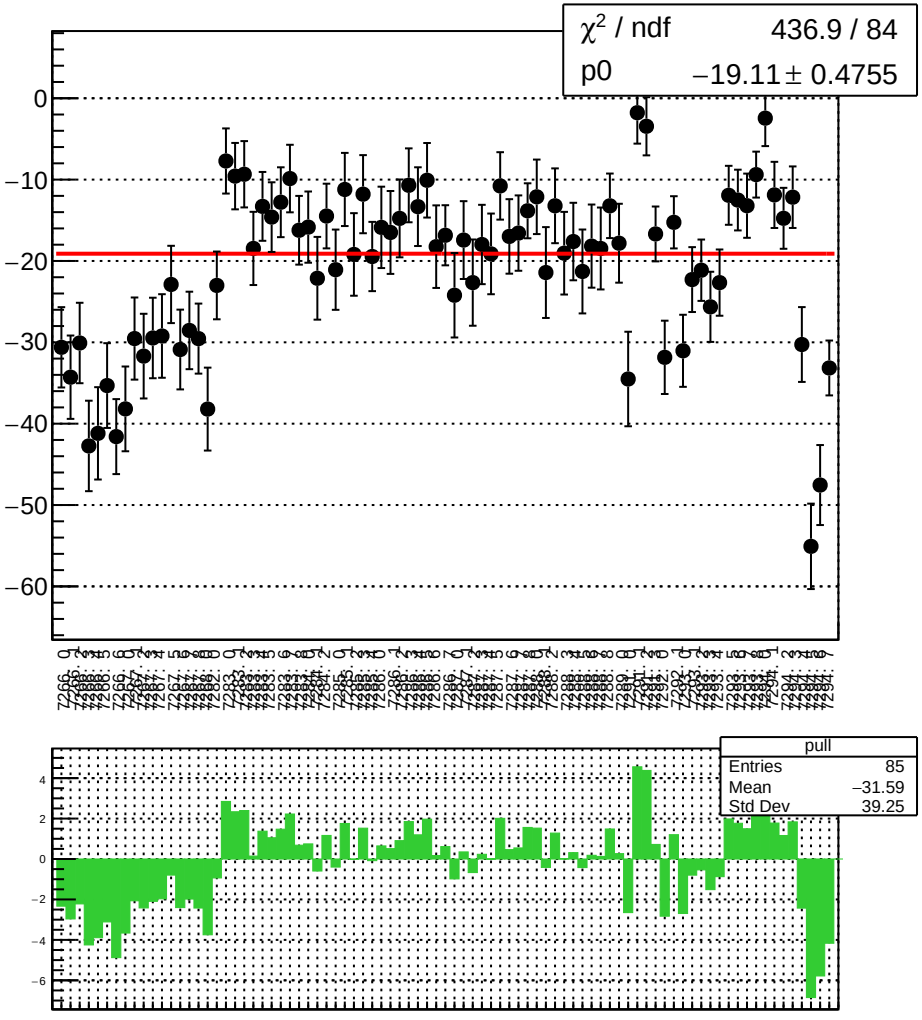

pull1D
Entries 85
Mean −0.03357
Std Dev 0.4891

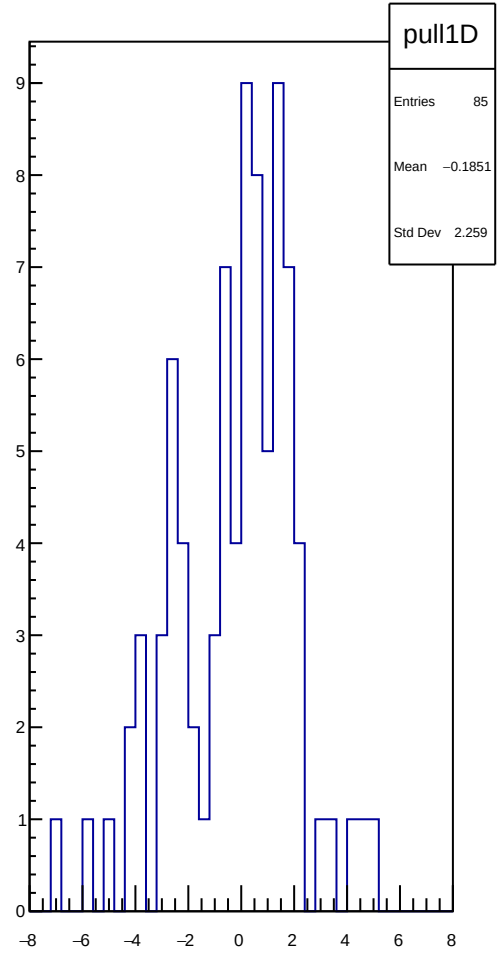

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 932.9 / 84
p0 −50.67 ± 0.4745
pull
Entries 85
Mean −204.9
Std Dev 215.5

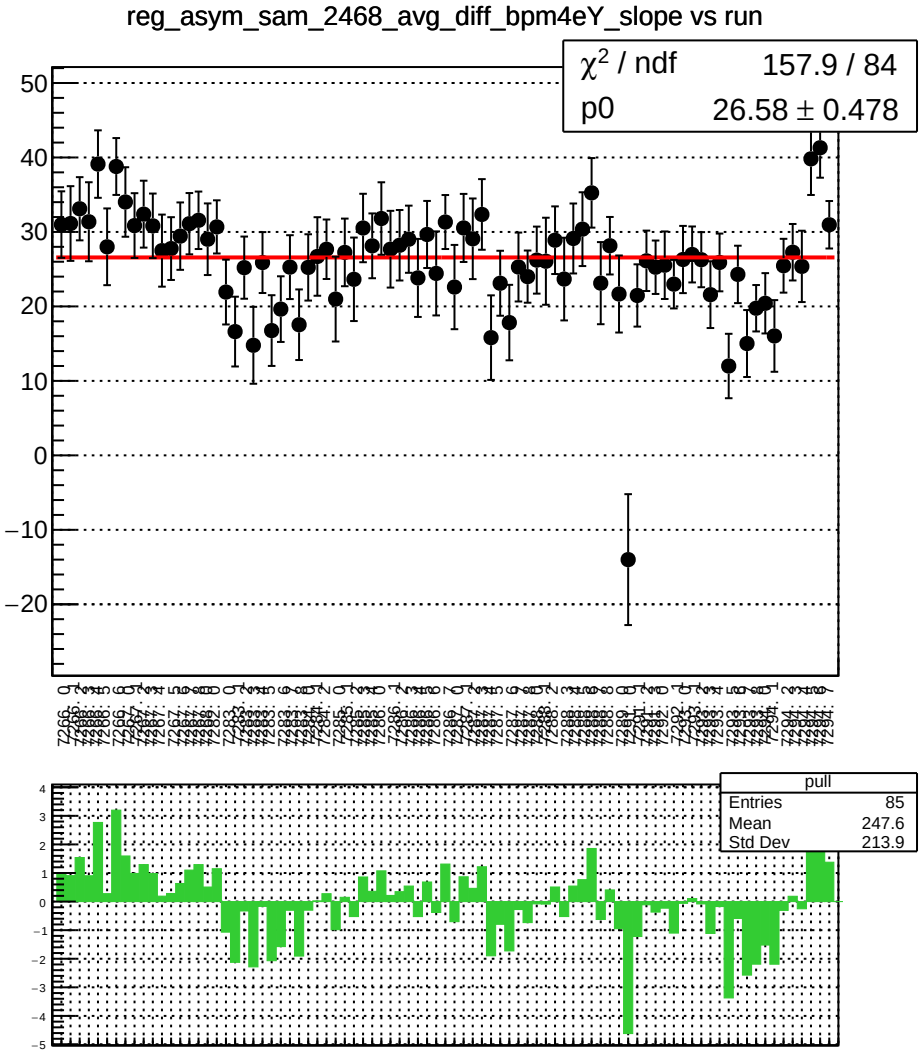

pull1D
Entries 85
Mean 0.08978
Std Dev 3.312

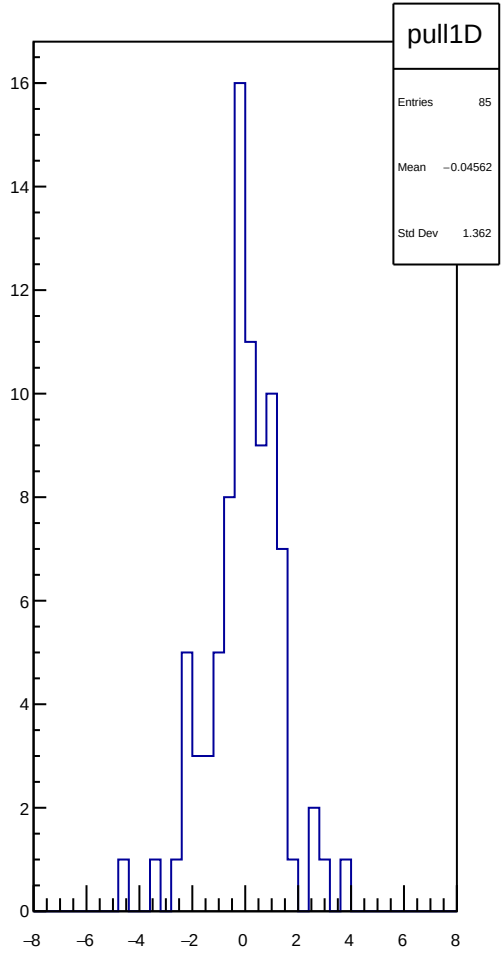

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 257.4 / 84
p0 18.43 ± 0.455
pull
Entries 85
Mean 121.6
Std Dev 99.62
pull1D
Entries 85
Mean 0.1357
Std Dev 1.735

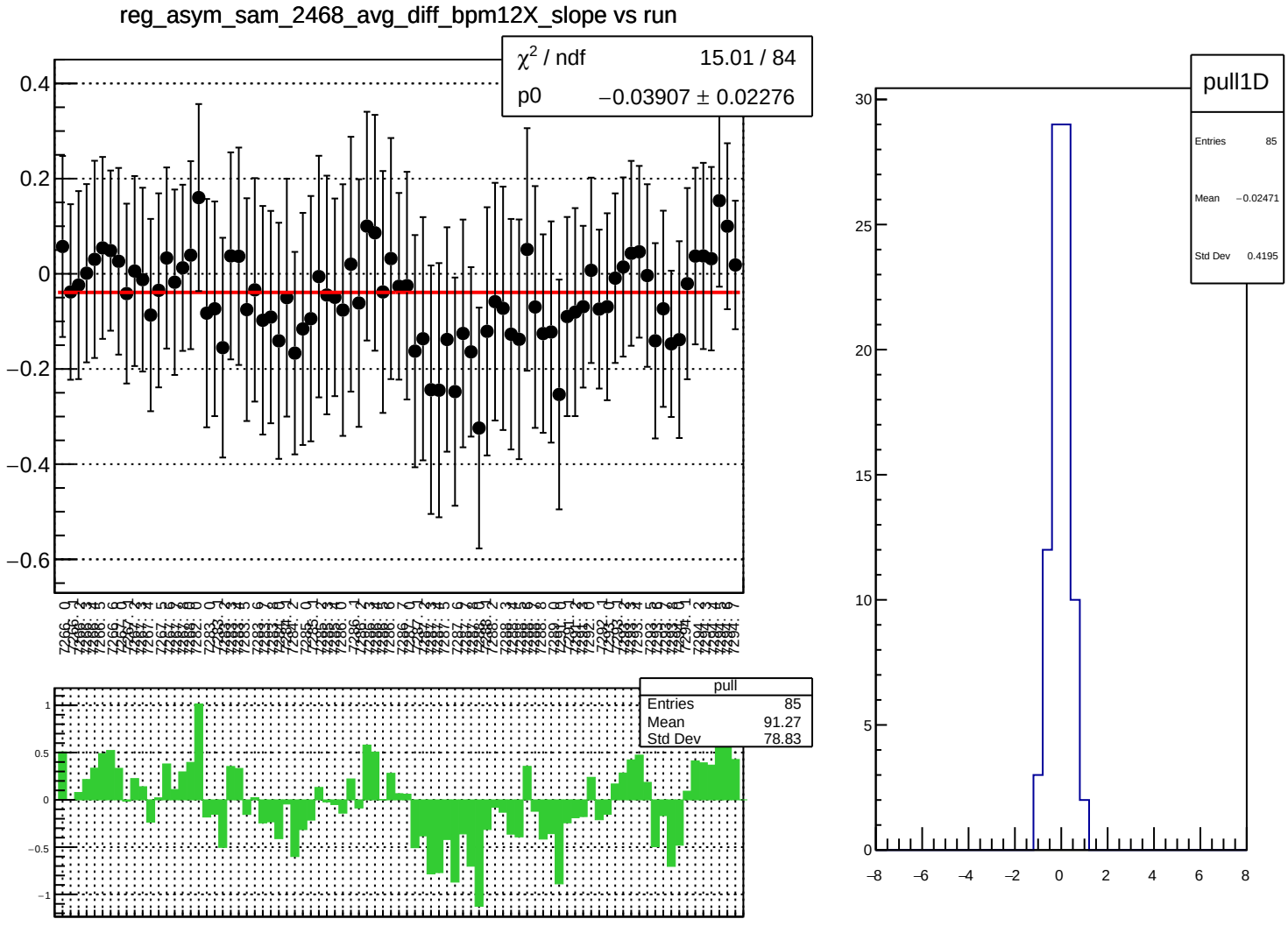
reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run



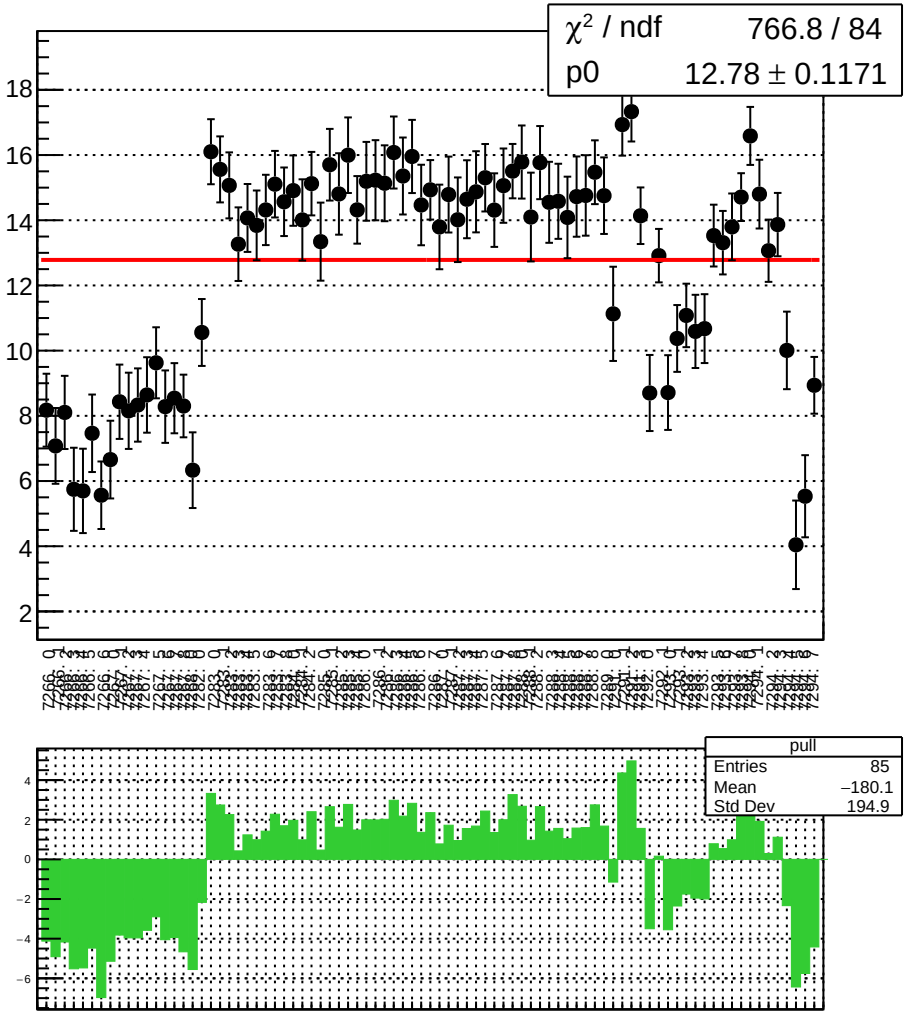


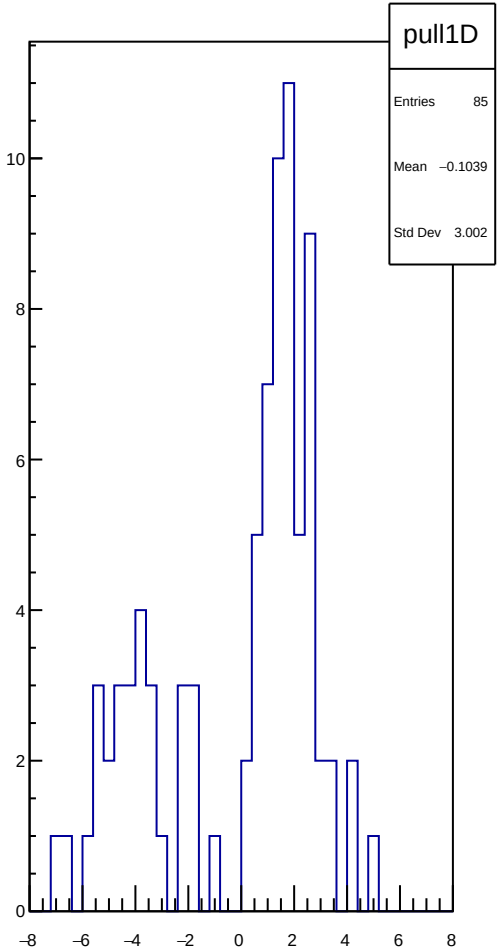

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 157.9 / 84
p0 26.58 ± 0.478
pull
Entries 85
Mean 247.6
Std Dev 213.9


pull1D
Entries 85
Mean −0.04562
Std Dev 1.362

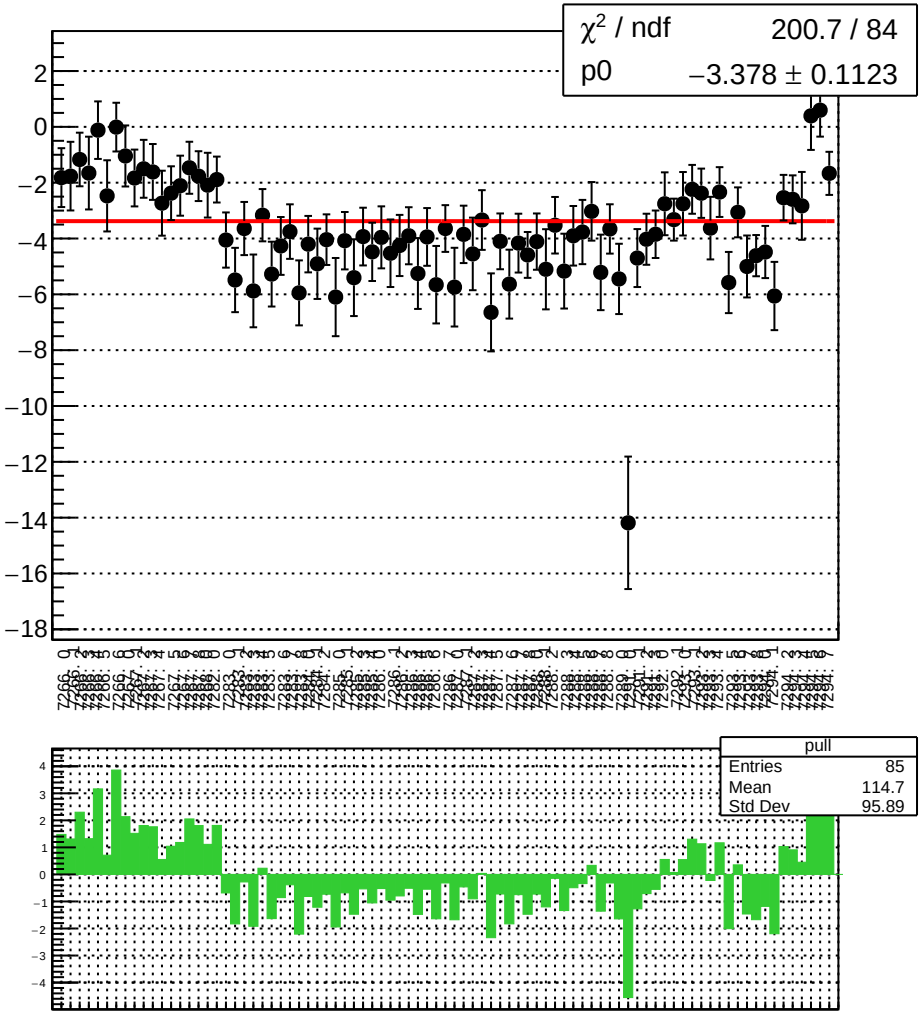

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 15.01 / 84
p0 −0.03907 ± 0.02276
pull
Entries 85
Mean 91.27
Std Dev 78.83
pull1D
Entries 85
Mean −0.02471
Std Dev 0.4195

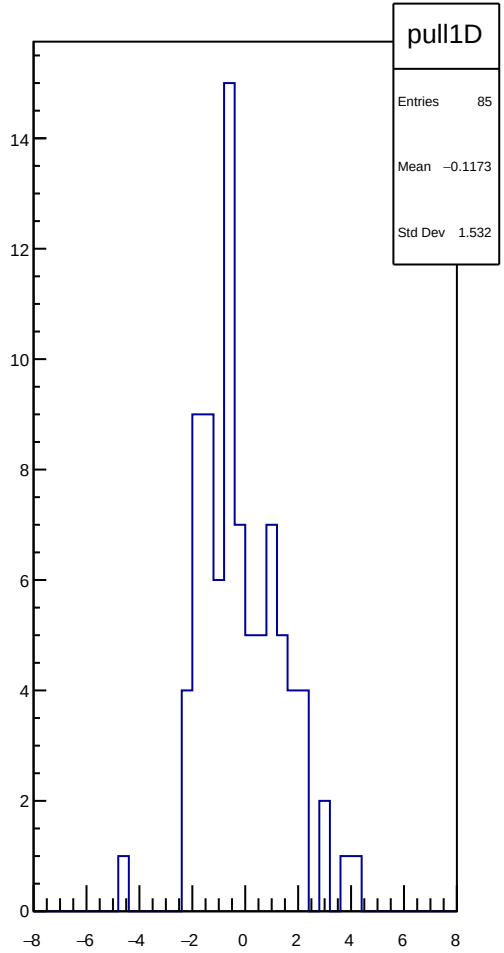
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run



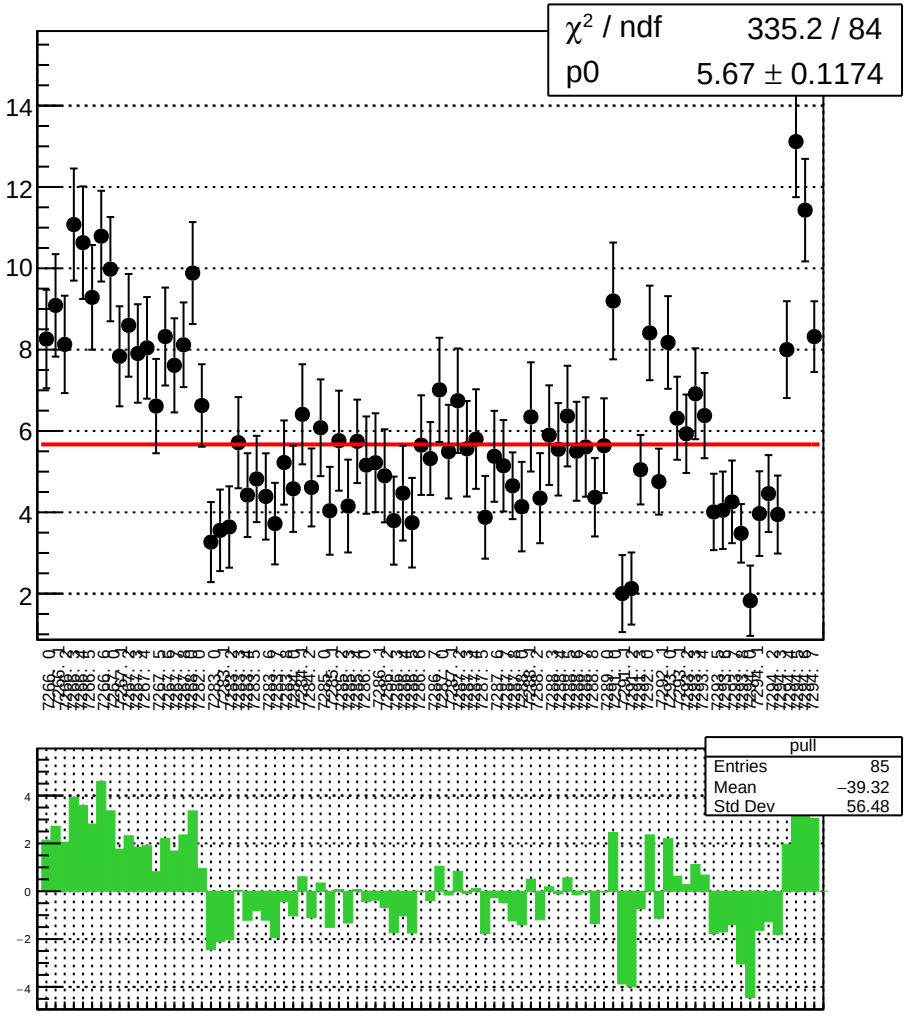


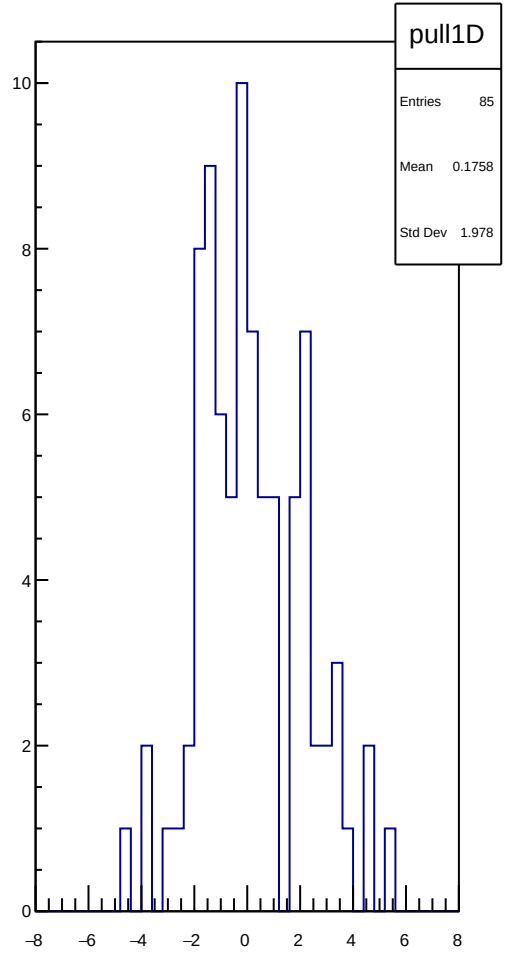
reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run



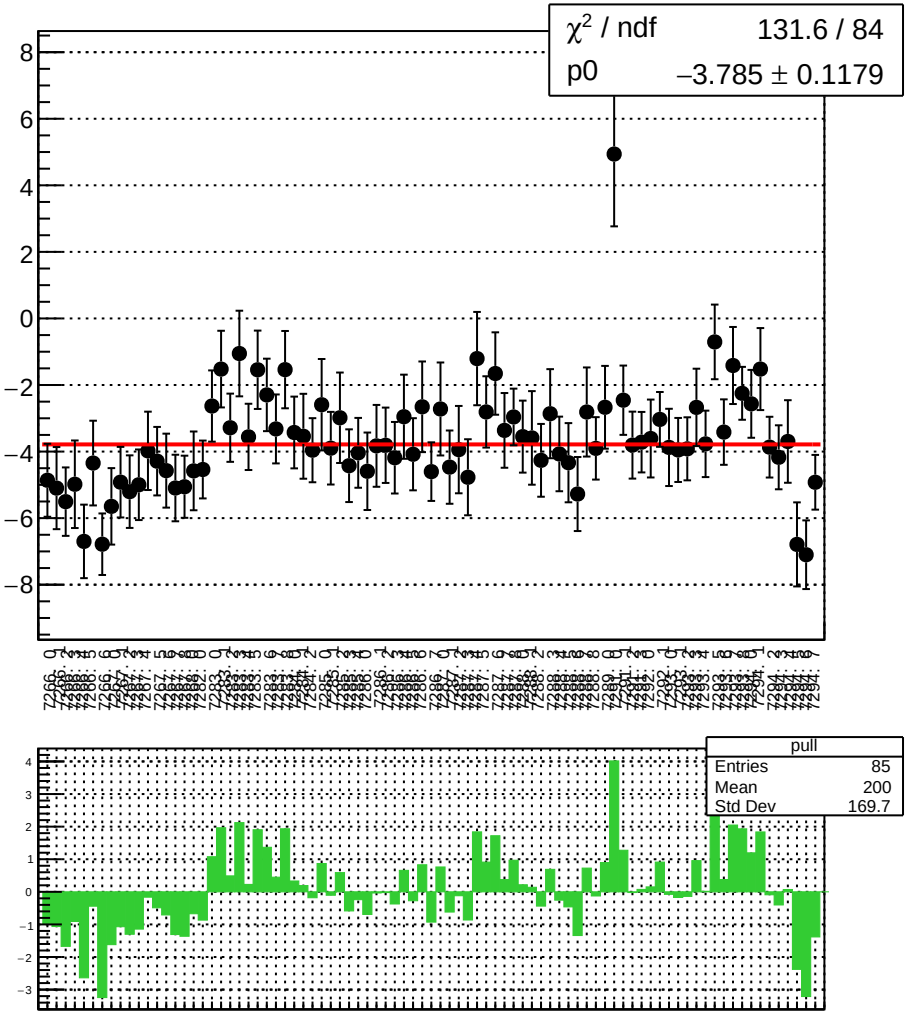


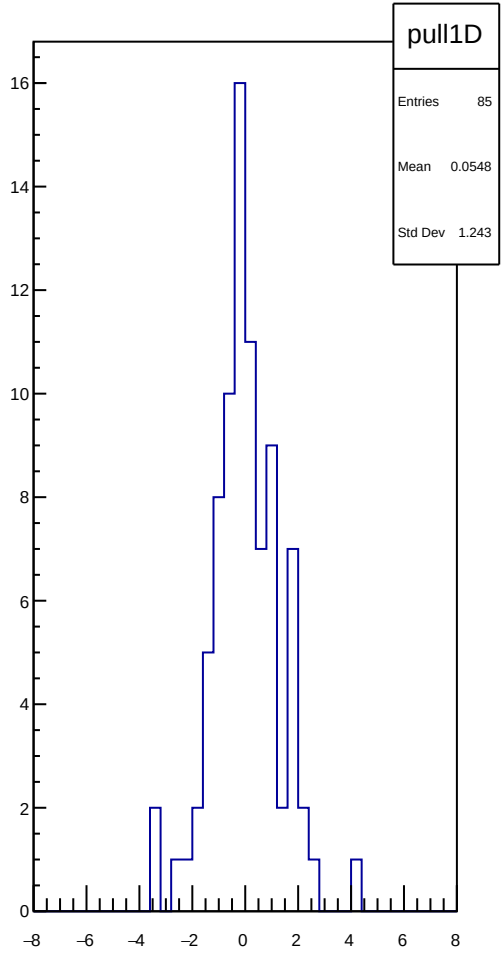
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

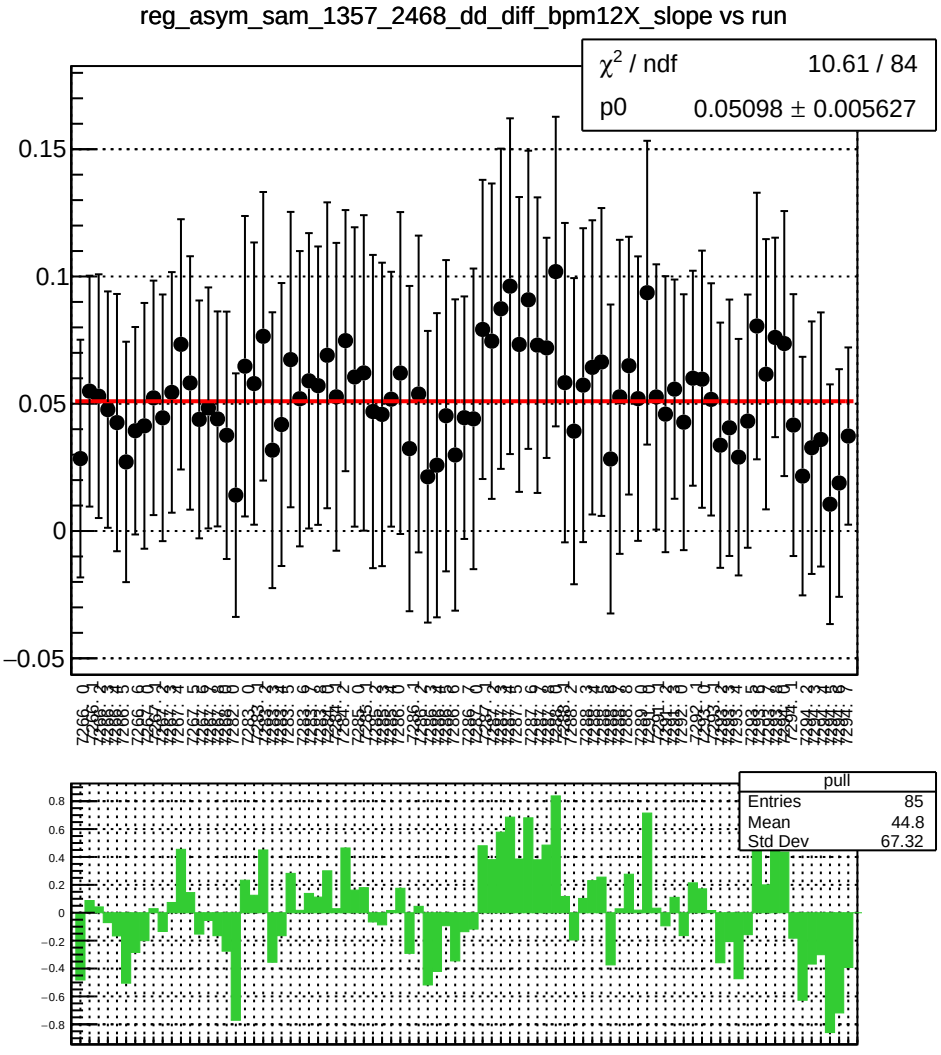


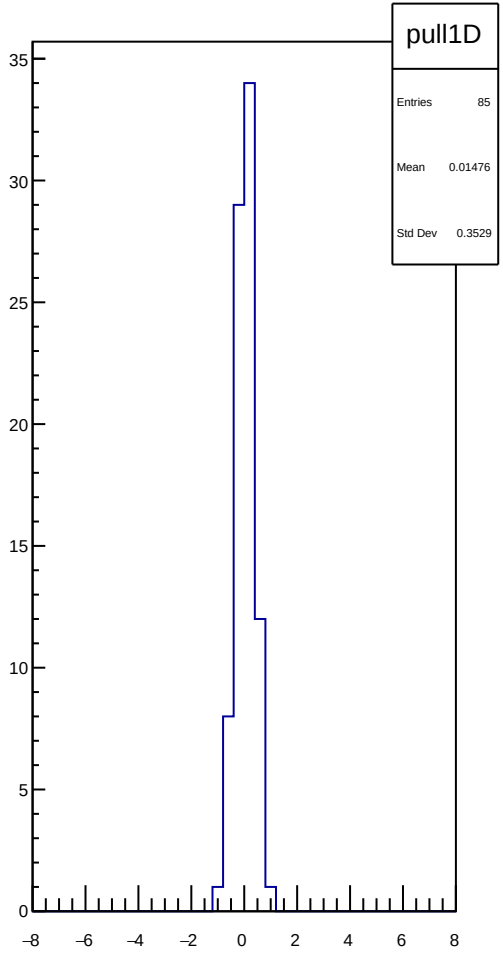


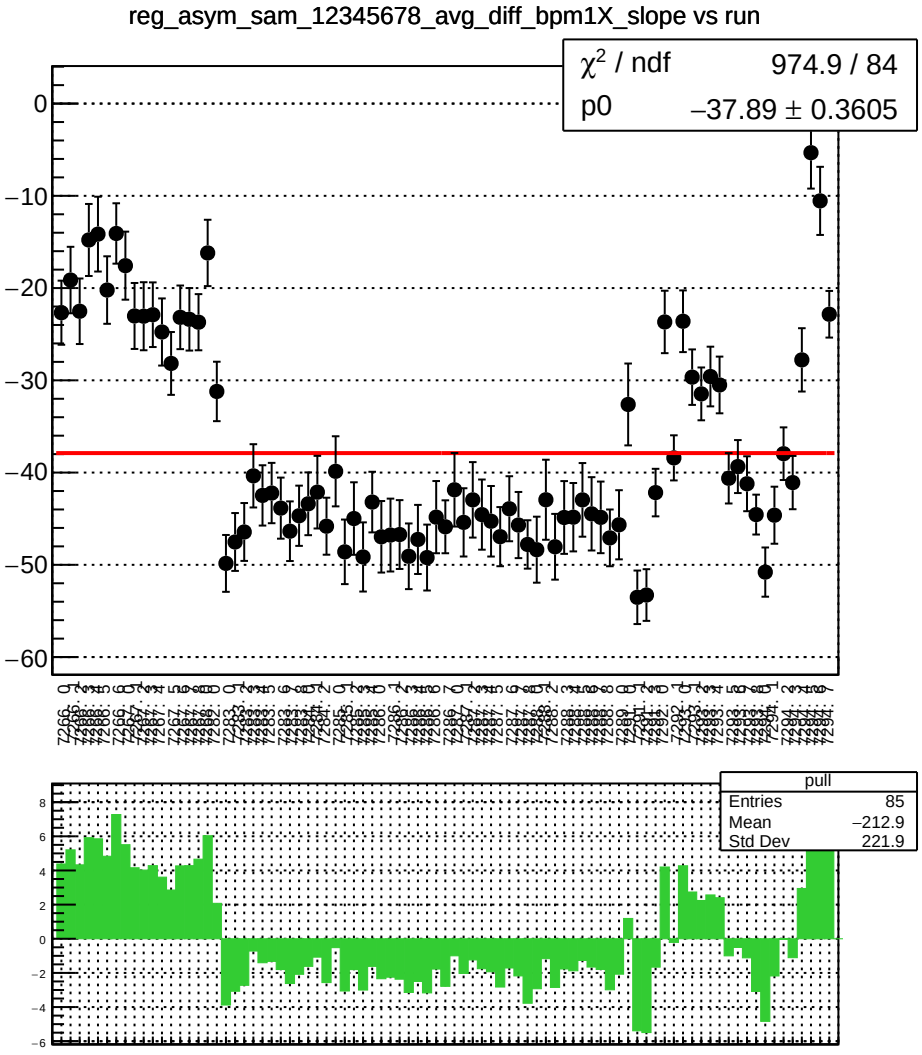
reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run

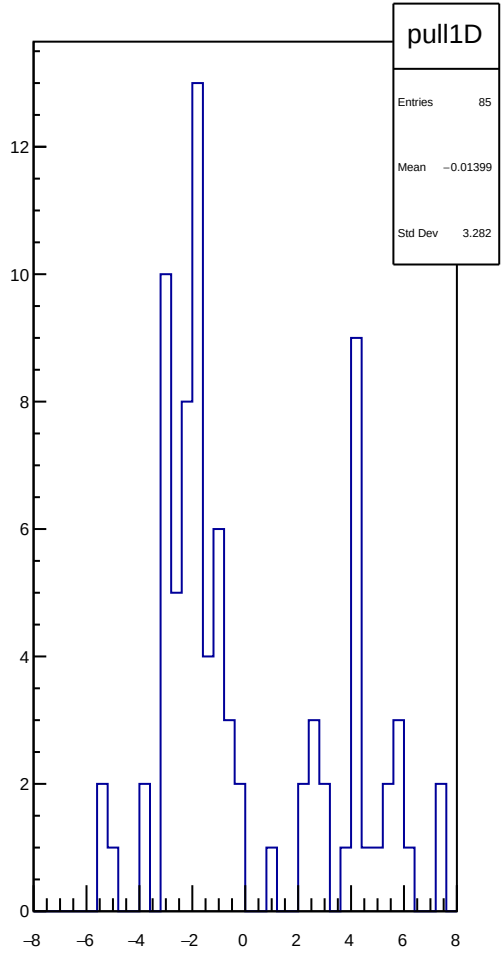


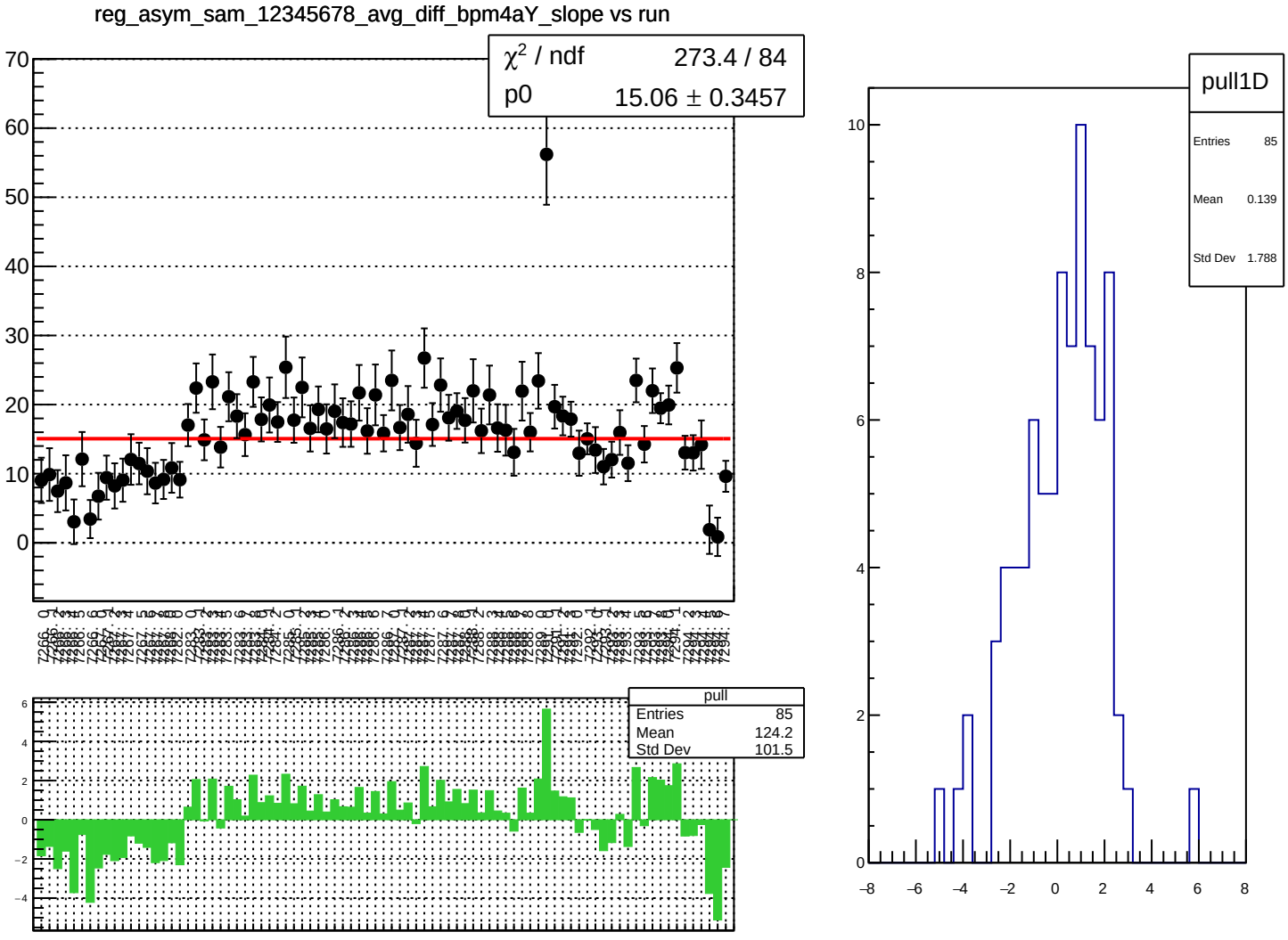



reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ^2 / ndf 10.61 / 84
p0 0.05098 ± 0.005627
0.15
0.1
0.05
0
−0.05
pull
Entries 85
Mean 44.8
Std Dev 67.32
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

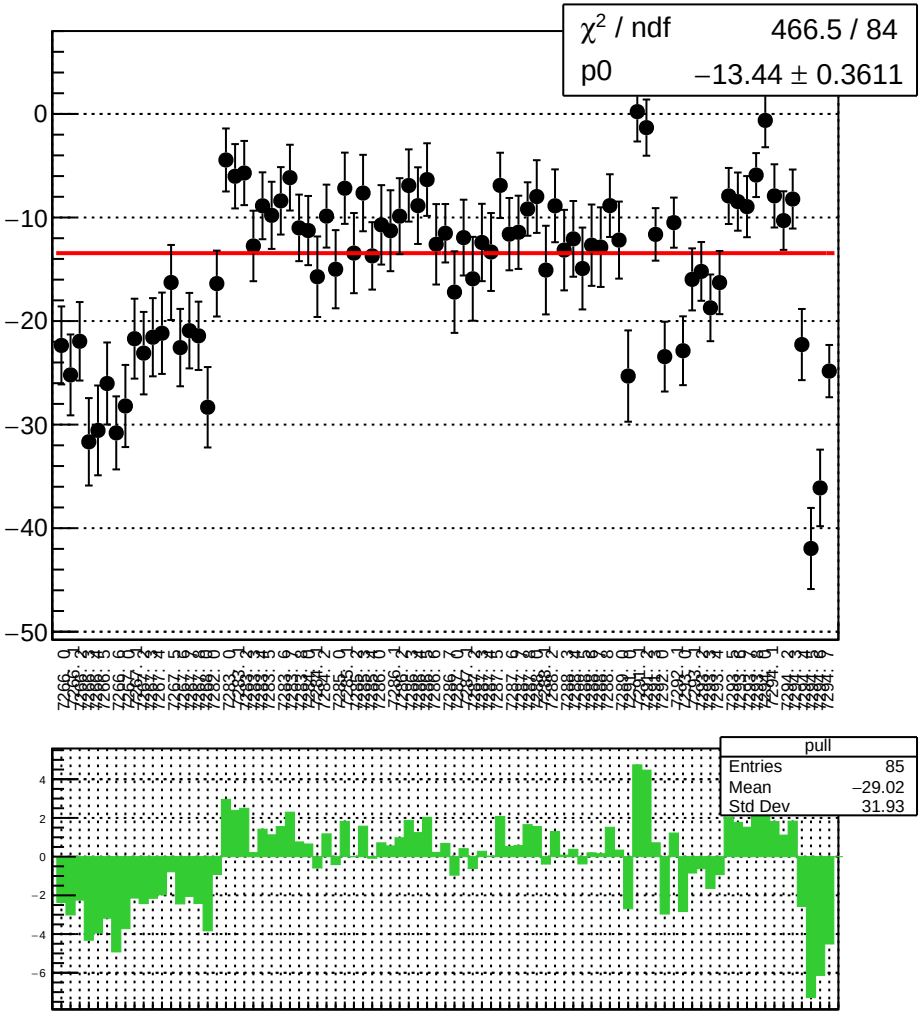

pull1D
Entries 85
Mean 0.01476
Std Dev 0.3529
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

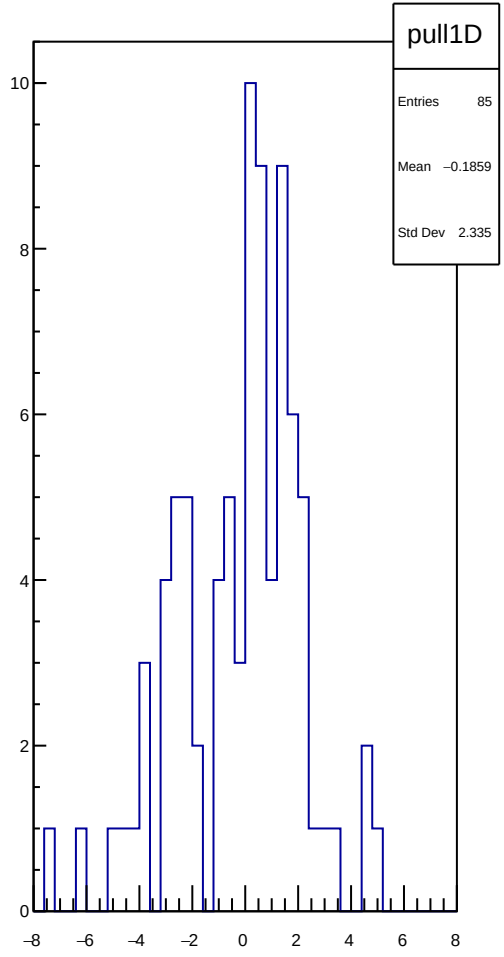

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ^2 / ndf 974.9 / 84
p0 −37.89 ± 0.3605
pull
Entries 85
Mean −212.9
Std Dev 221.9

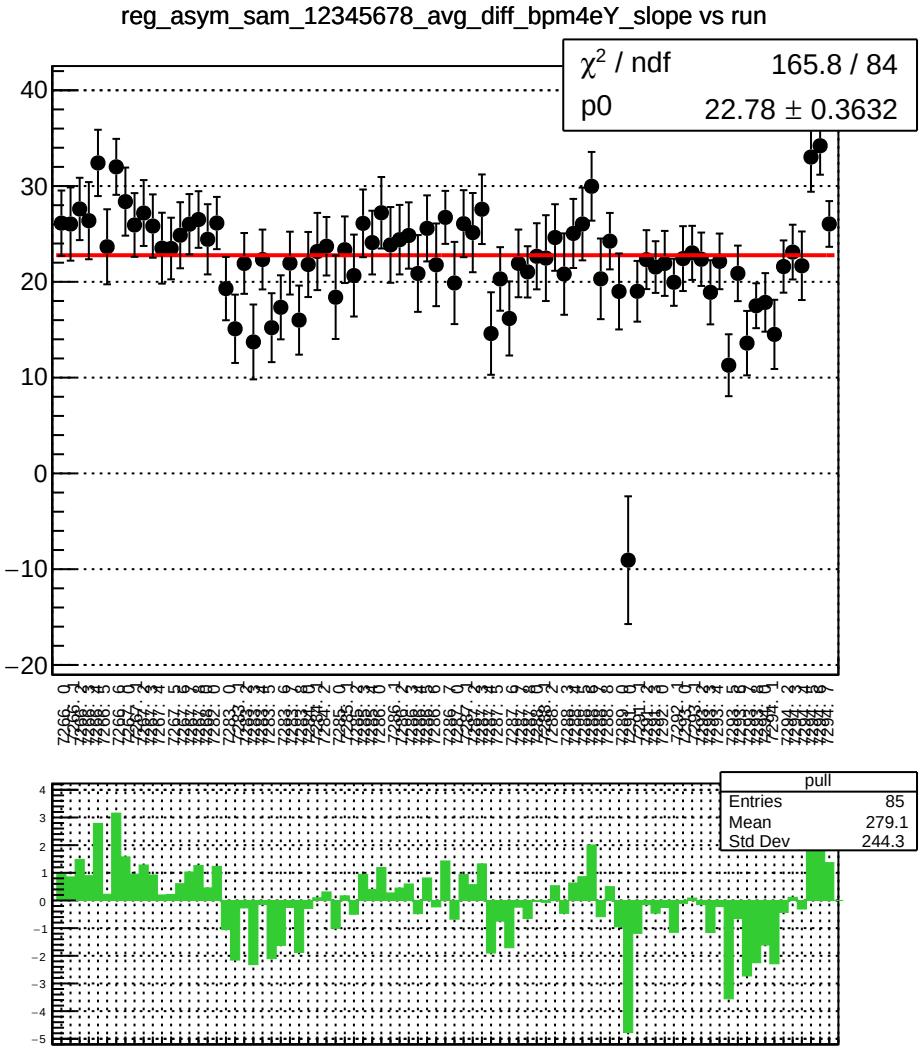

pull1D
Entries 85
Mean −0.01399
Std Dev 3.282

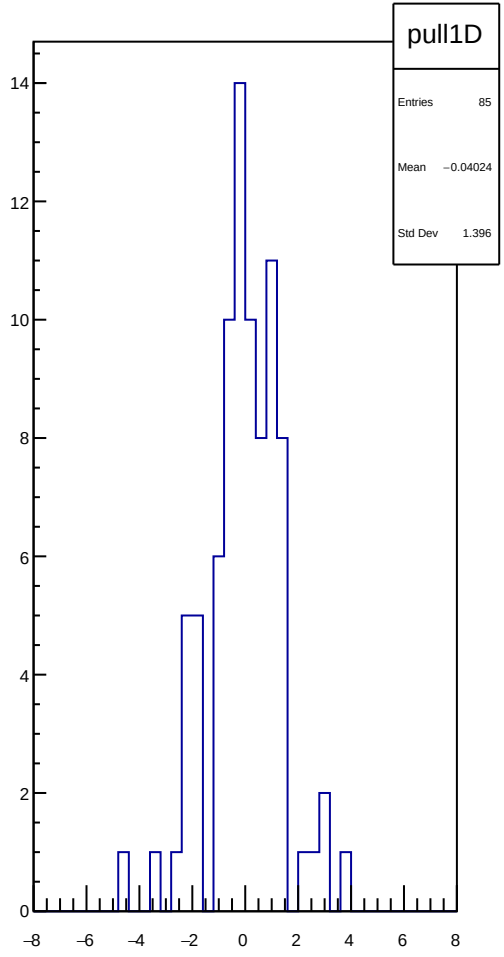

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 273.4 / 84
p0 15.06 ± 0.3457
pull
Entries 85
Mean 124.2
Std Dev 101.5
pull1D
Entries 85
Mean 0.139
Std Dev 1.788

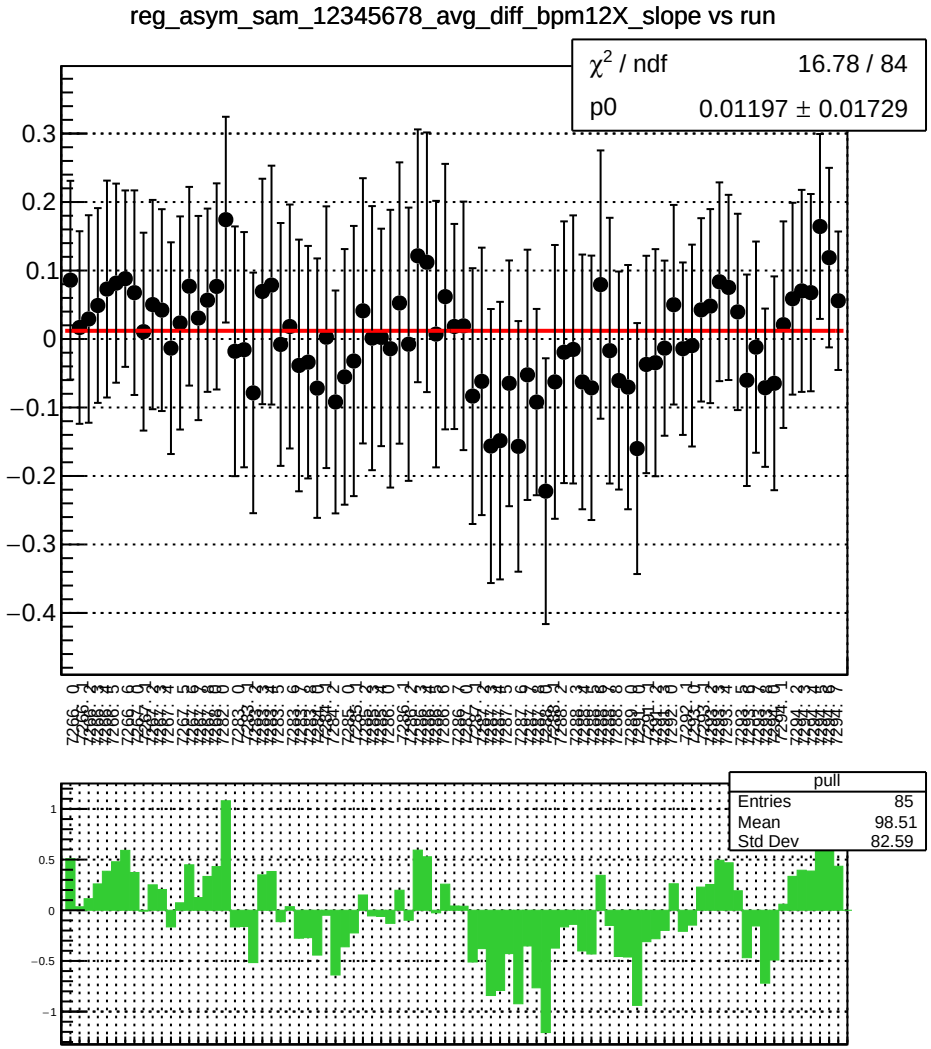
reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run

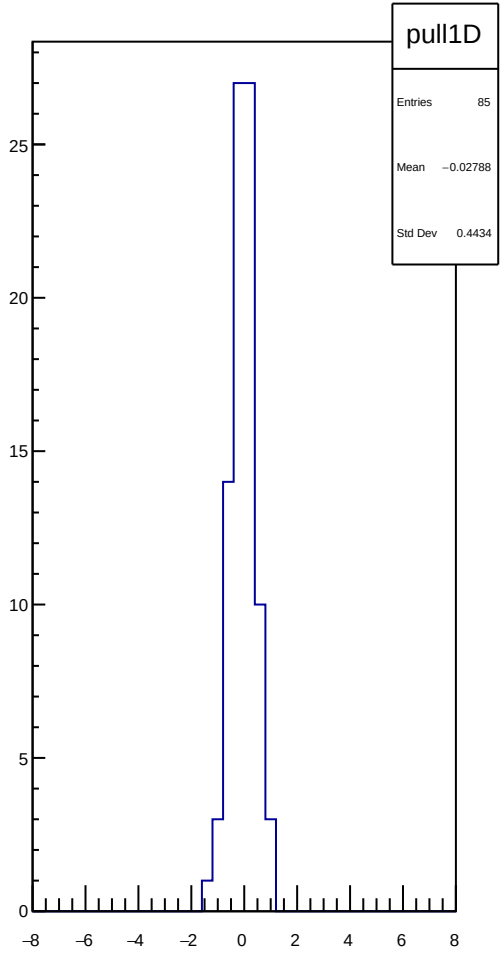


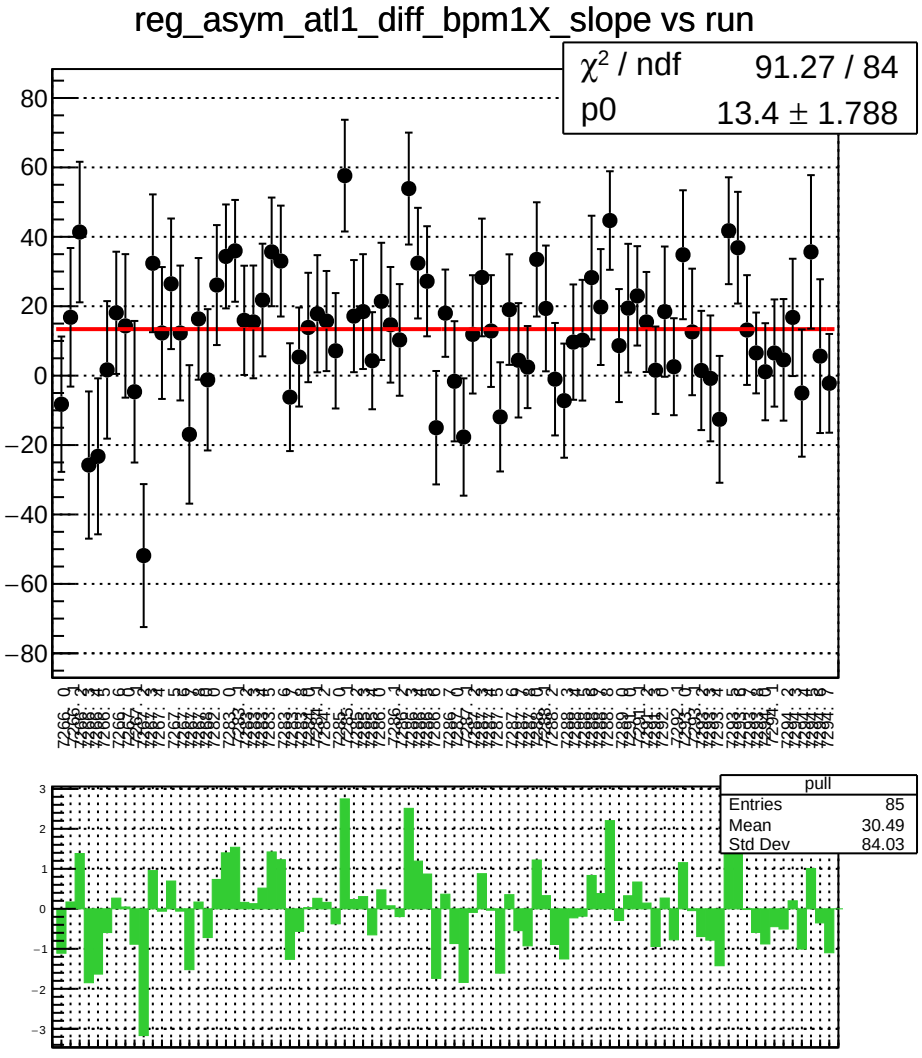


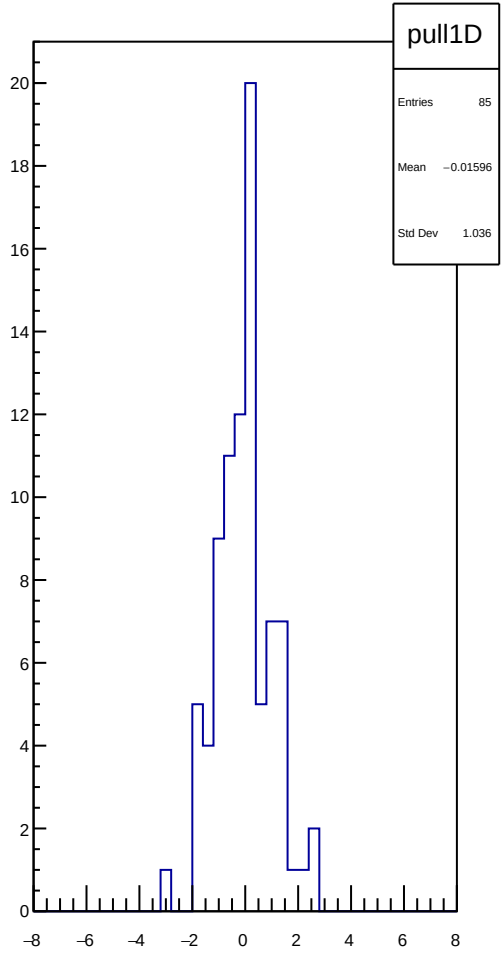

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 165.8 / 84
p0 22.78 ± 0.3632
pull
Entries 85
Mean 279.1
Std Dev 244.3

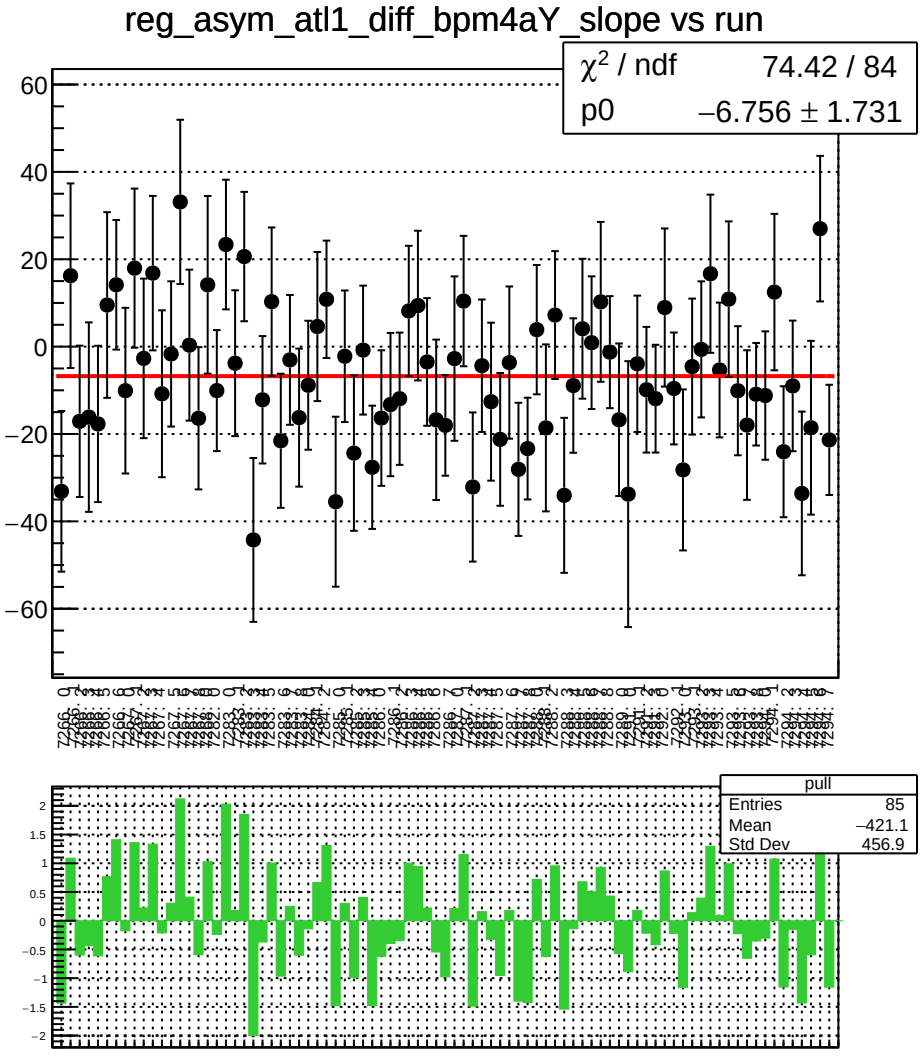

pull1D
Entries 85
Mean −0.04024
Std Dev 1.396

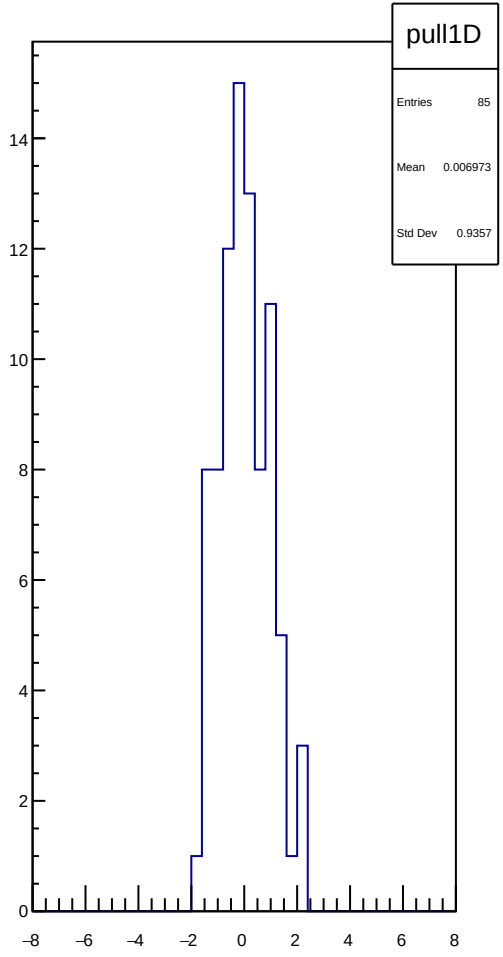

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 16.78 / 84
p0 0.01197 ± 0.01729
pull
Entries 85
Mean 98.51
Std Dev 82.59

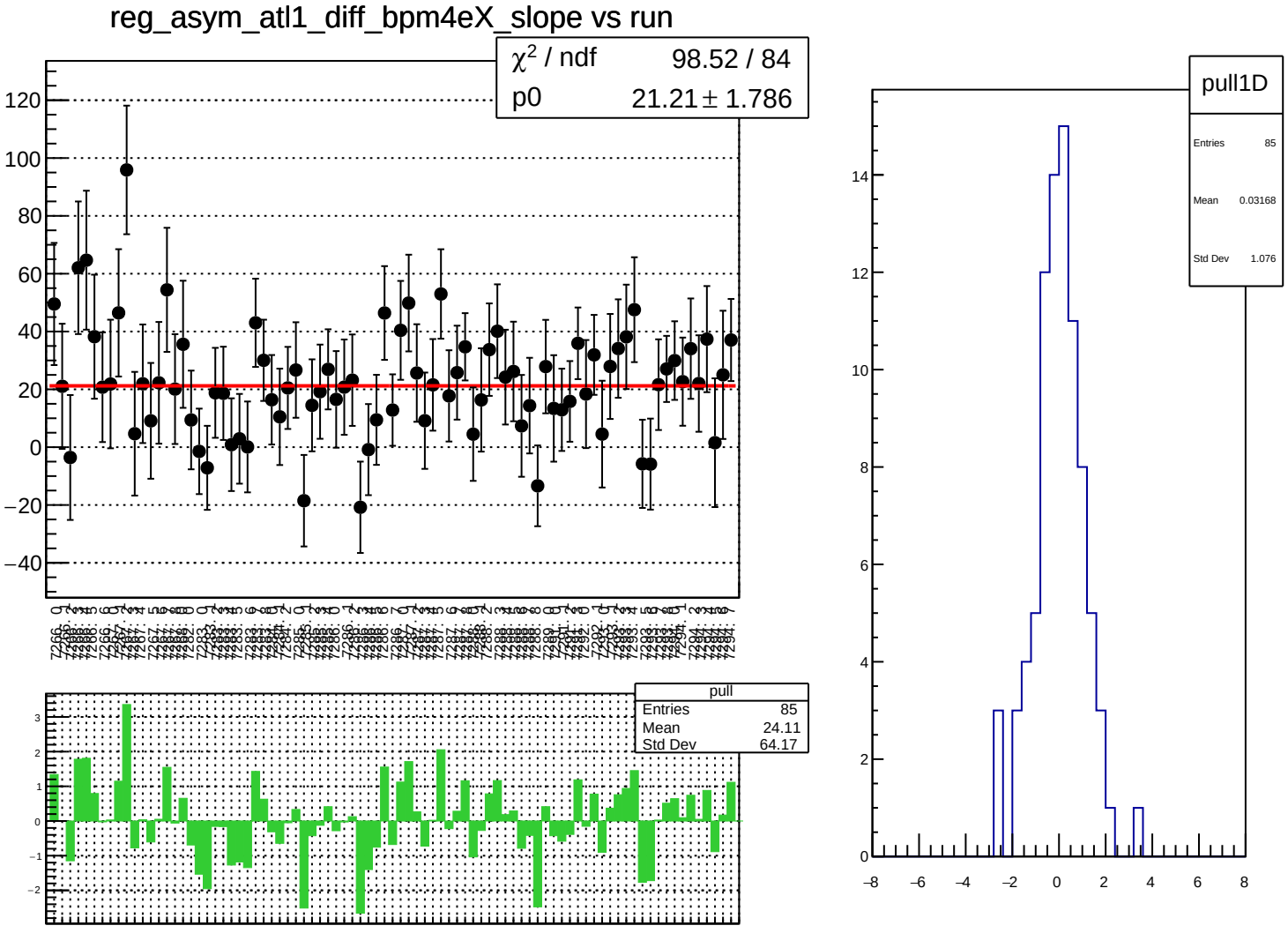

pull1D
Entries 85
Mean −0.02788
Std Dev 0.4434

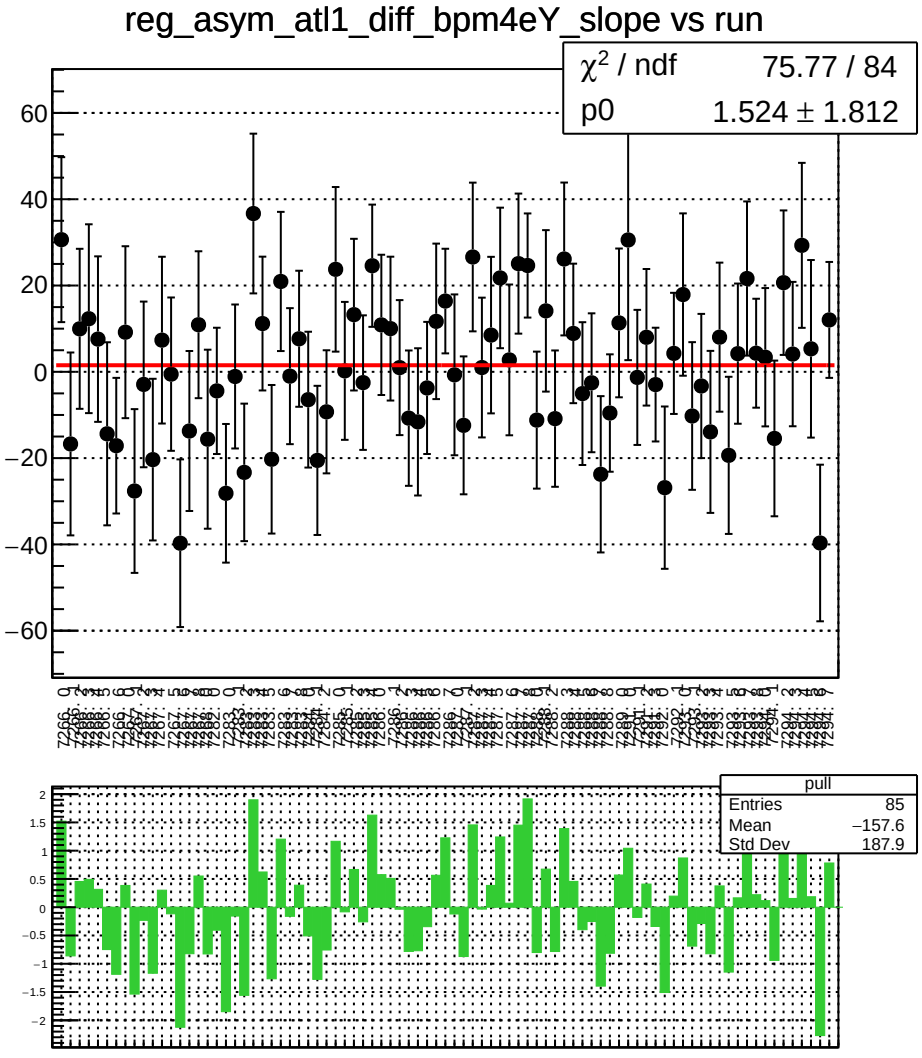

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 91.27 / 84
p0 13.4 ± 1.788
pull
Entries 85
Mean 30.49
Std Dev 84.03

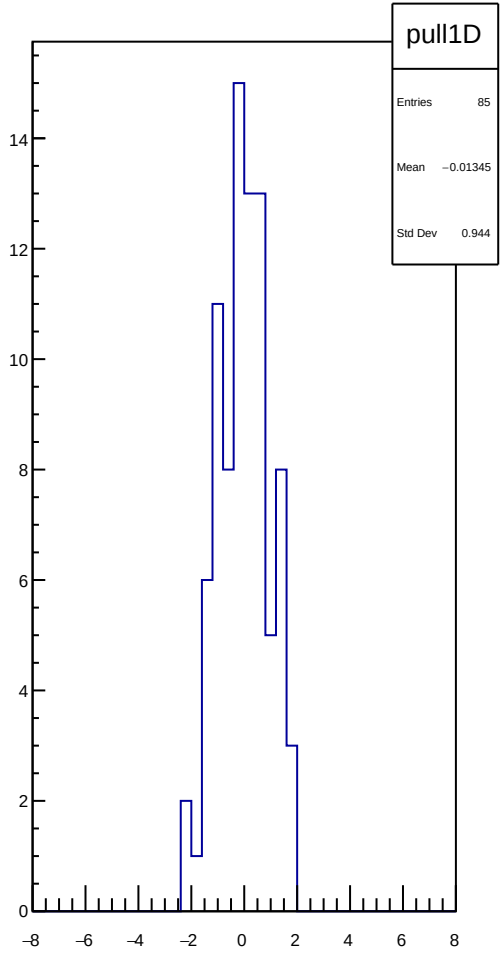

pull1D
Entries 85
Mean −0.01596
Std Dev 1.036

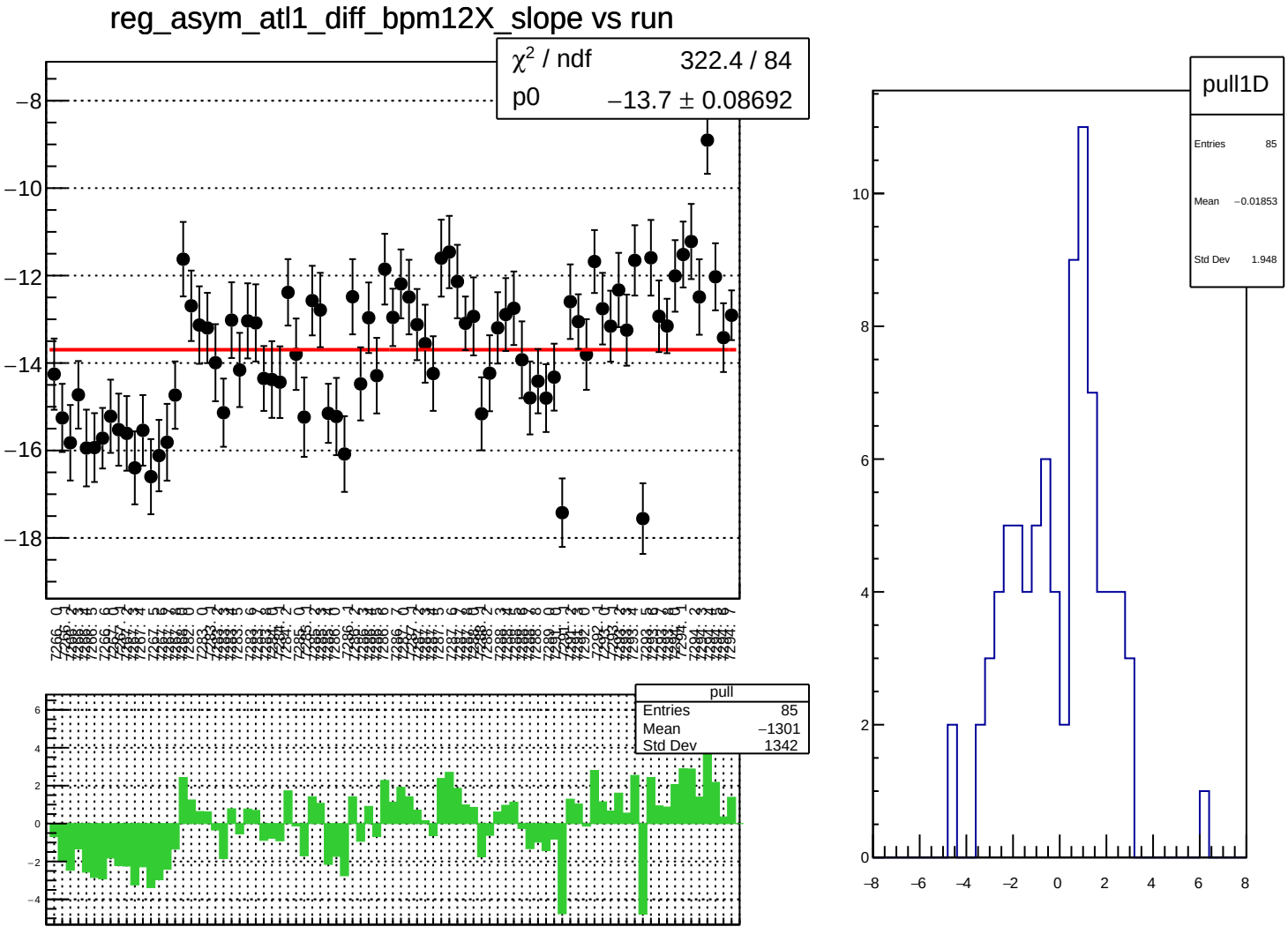

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 74.42 / 84
p0 −6.756 ± 1.731
pull
Entries 85
Mean −421.1
Std Dev 456.9

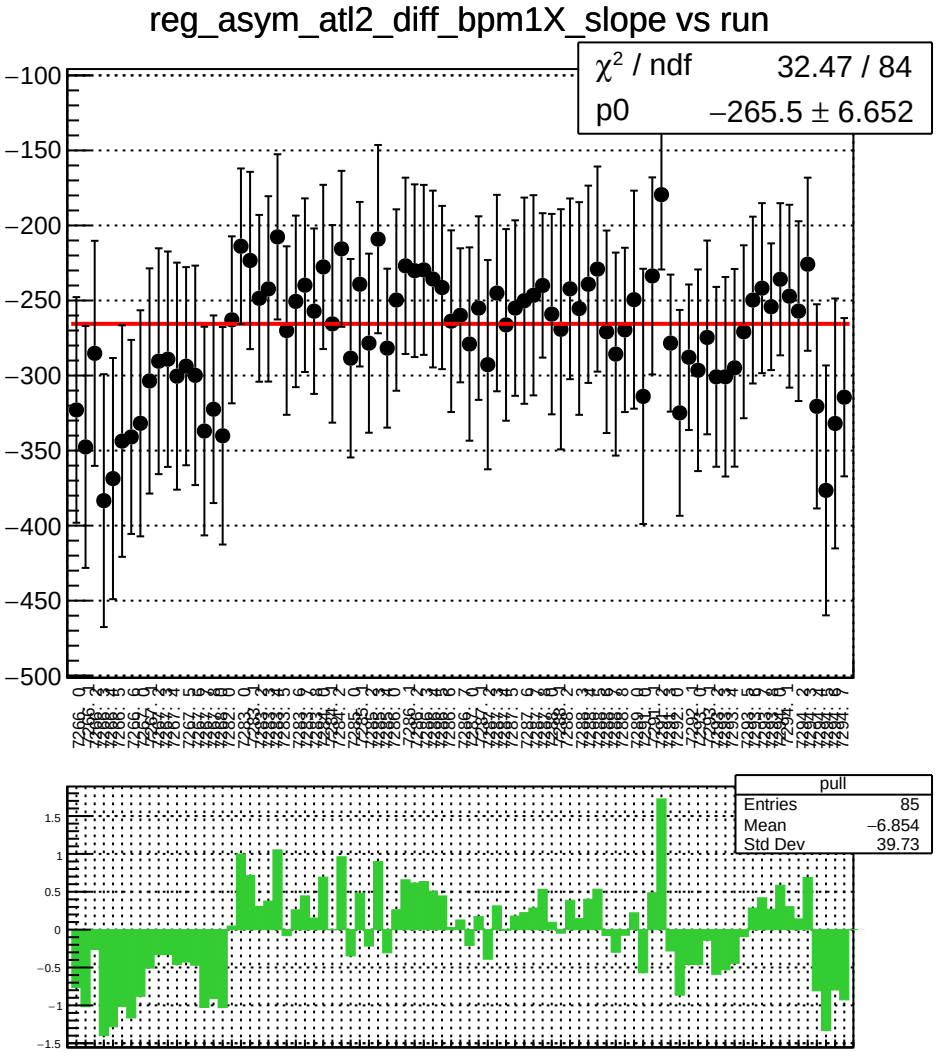

pull1D
Entries 85
Mean 0.006973
Std Dev 0.9357

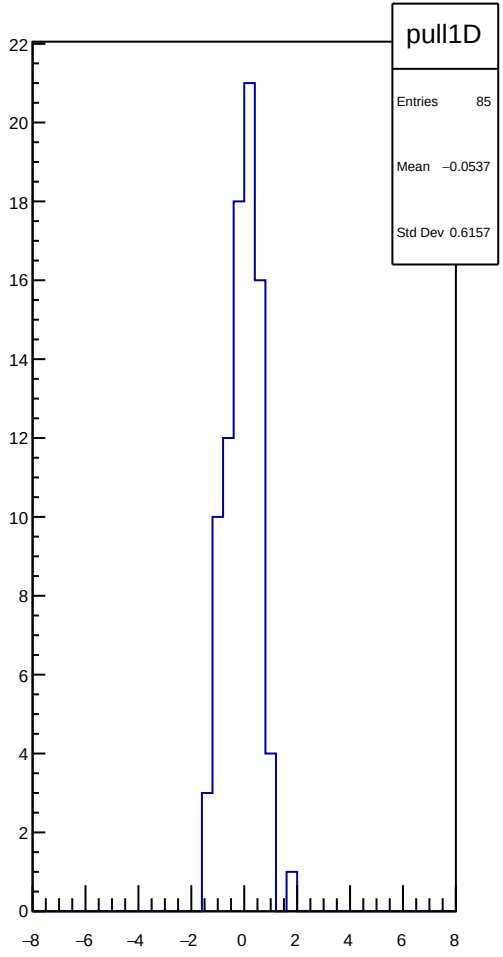

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 98.52 / 84
p0 21.21 ± 1.786
pull
Entries 85
Mean 24.11
Std Dev 64.17
pull1D
Entries 85
Mean 0.03168
Std Dev 1.076

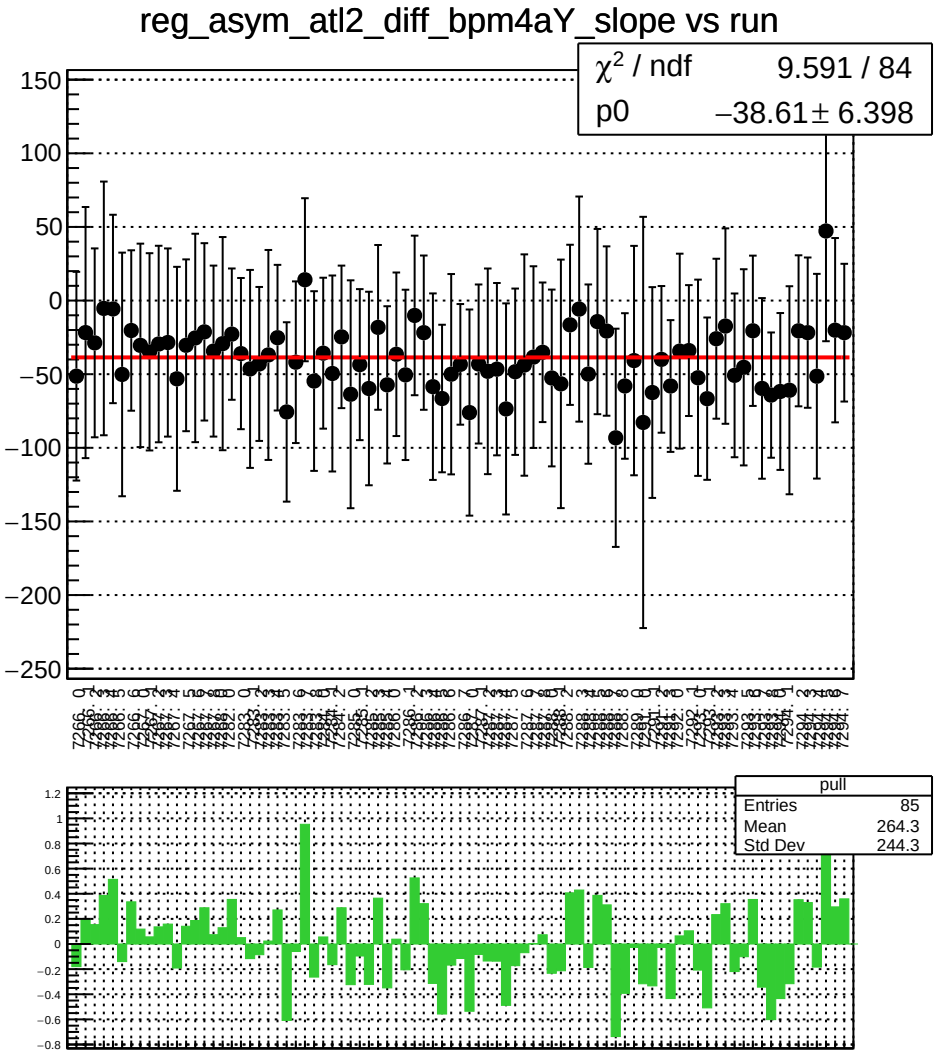

reg_asym_atl1_diff_bpm4eY_slope vs run
χ^2 / ndf 75.77 / 84
p0 1.524 ± 1.812
pull
Entries 85
Mean −157.6
Std Dev 187.9

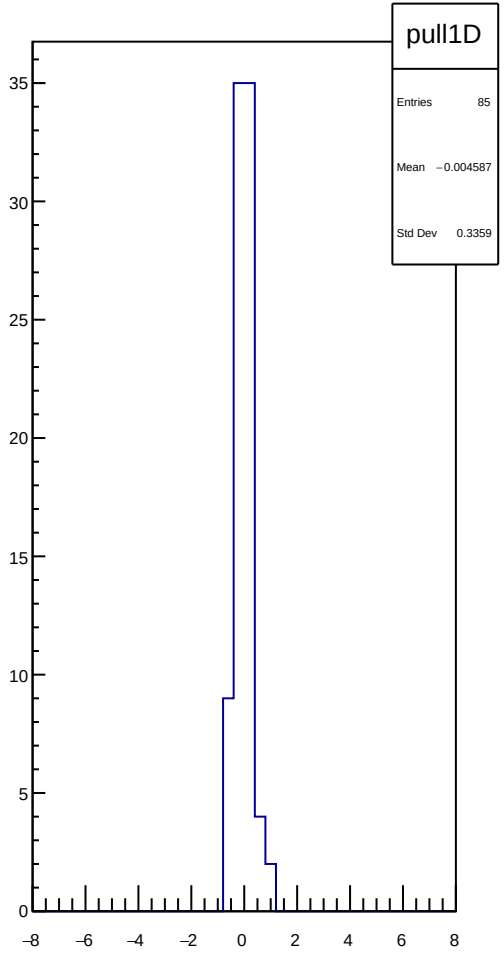

pull1D
Entries 85
Mean −0.01345
Std Dev 0.944

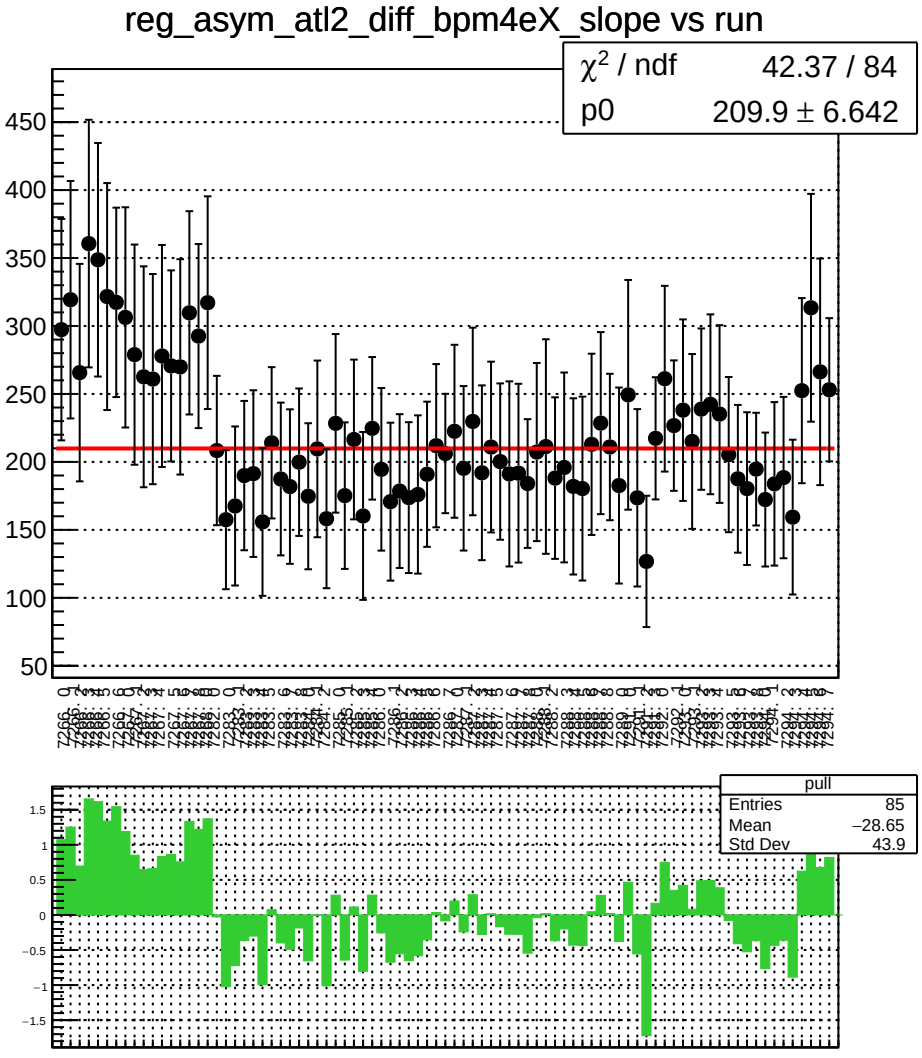

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 322.4 / 84
p0 −13.7 ± 0.08692
pull
Entries 85
Mean −1301
Std Dev 1342
pull1D
Entries 85
Mean −0.01853
Std Dev 1.948

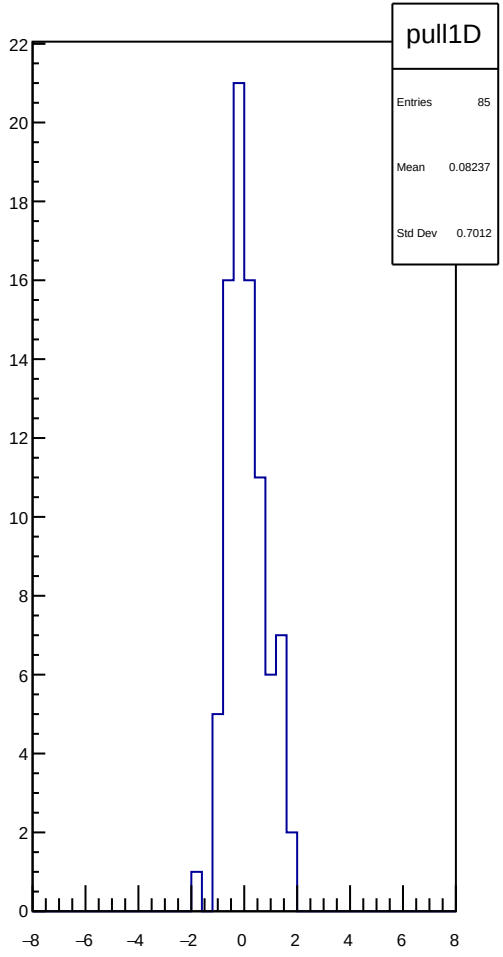

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 32.47 / 84
p0 −265.5 ± 6.652
pull
Entries 85
Mean −6.854
Std Dev 39.73

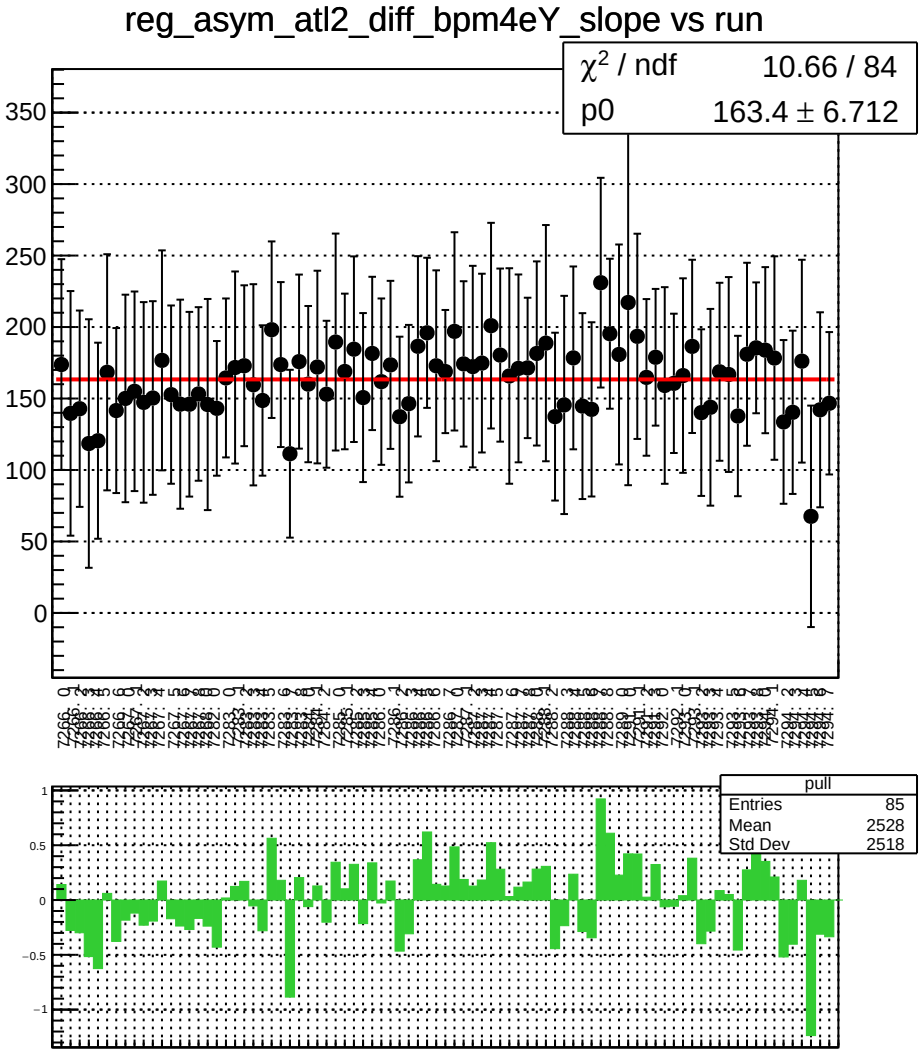

pull1D
Entries 85
Mean −0.0537
Std Dev 0.6157

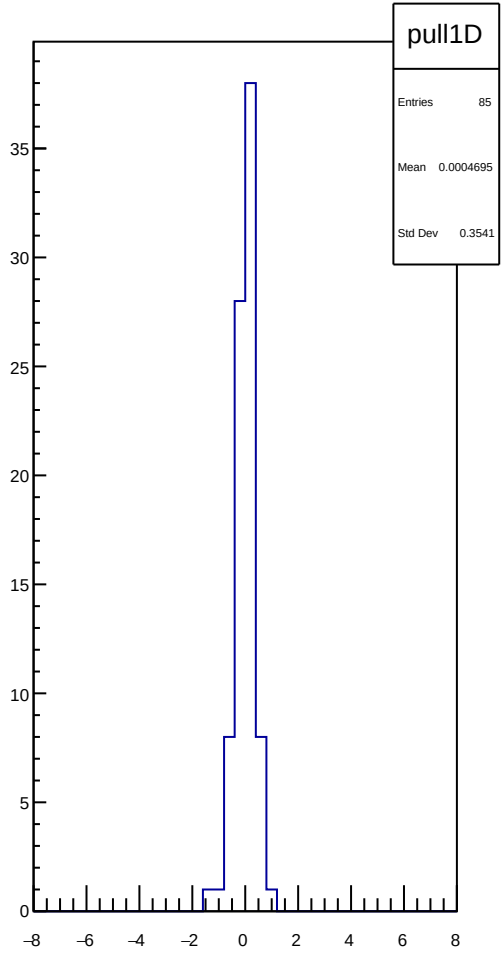

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 9.591 / 84
p0 −38.61 ± 6.398
pull
Entries 85
Mean 264.3
Std Dev 244.3

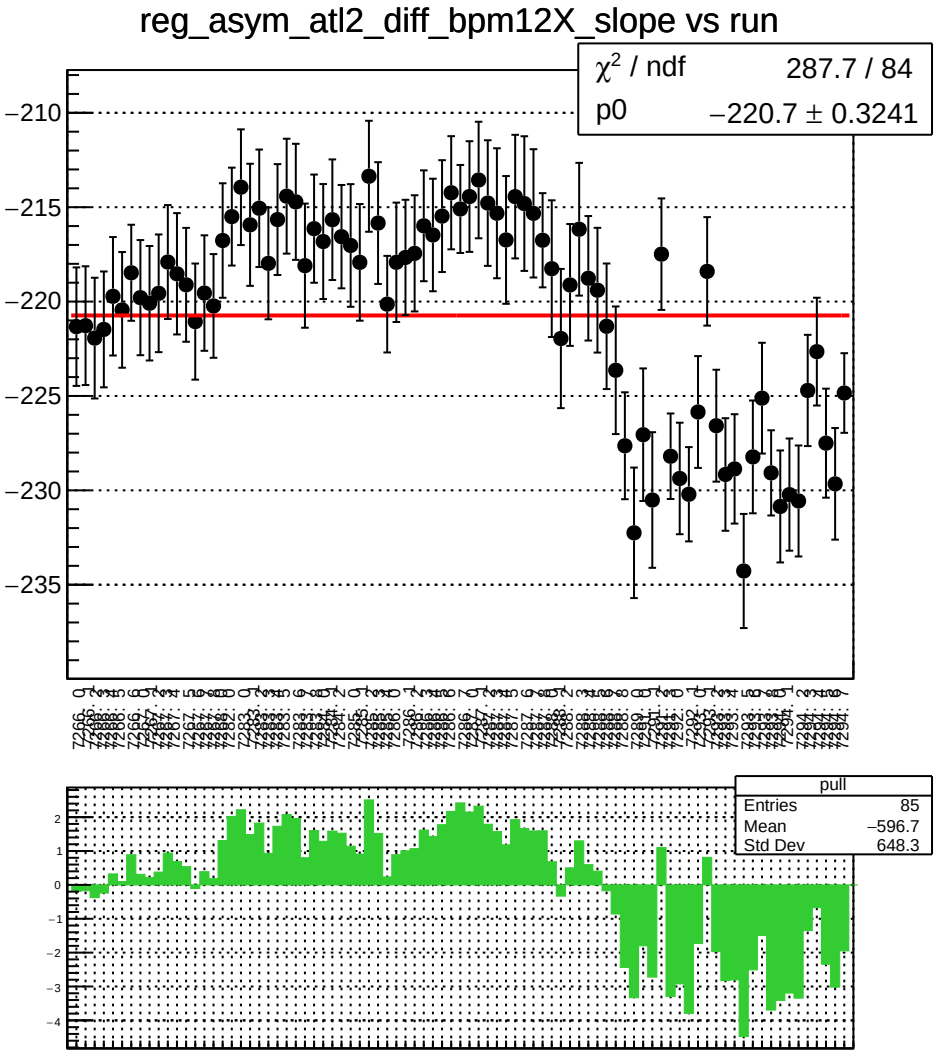

pull1D
Entries 85
Mean −0.004587
Std Dev 0.3359

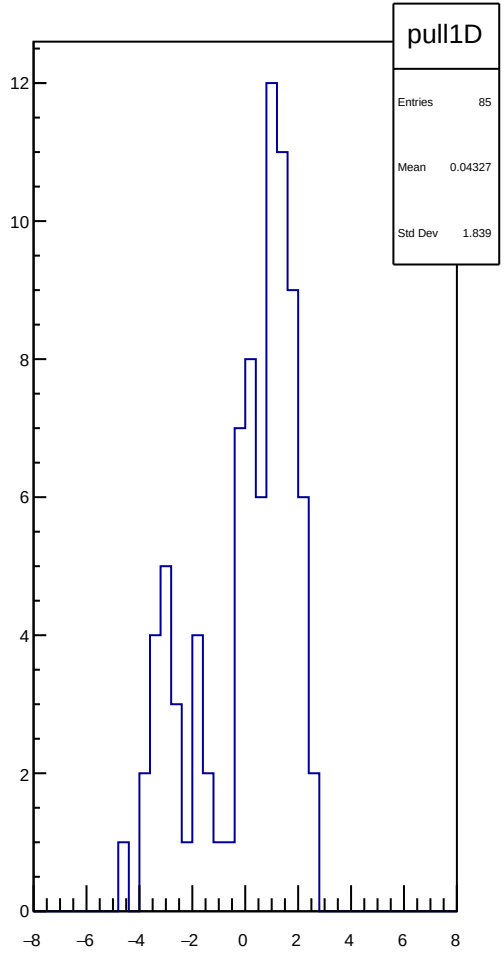

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 42.37 / 84
p0 209.9 ± 6.642
pull
Entries 85
Mean −28.65
Std Dev 43.9

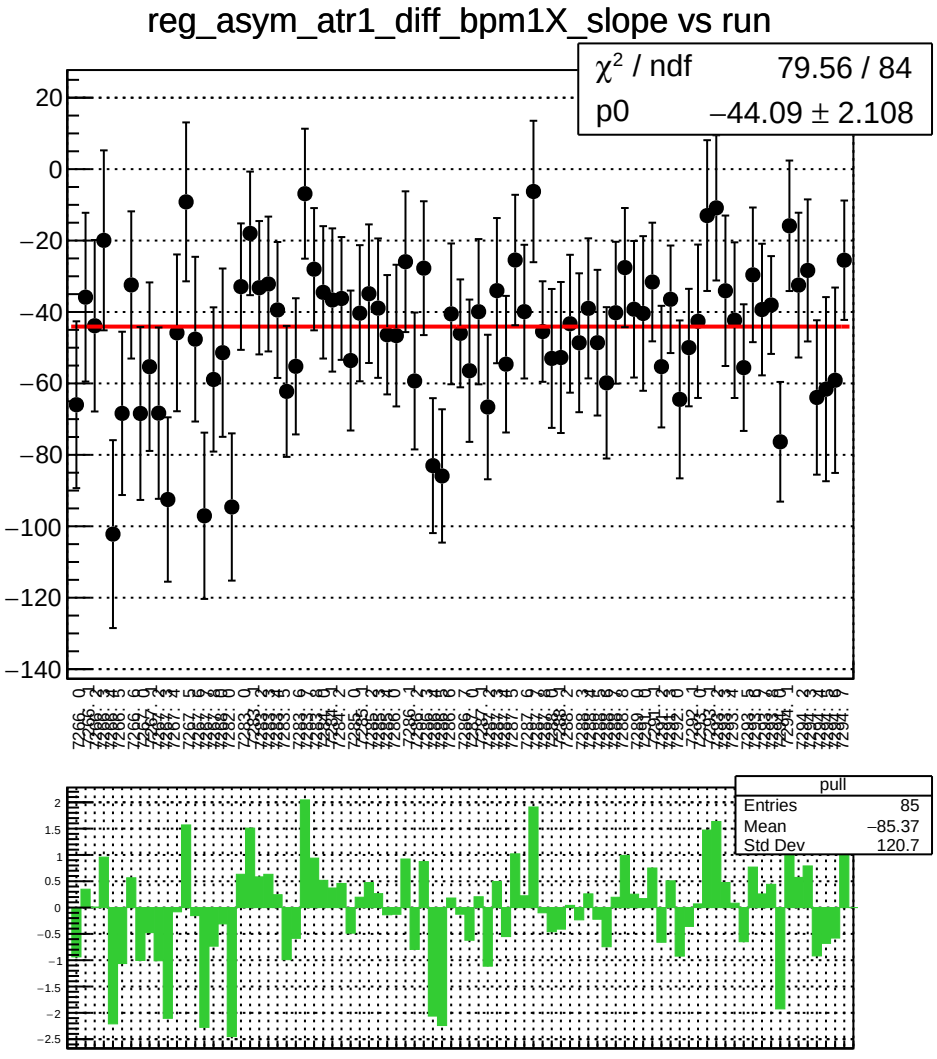

pull1D
Entries 85
Mean 0.08237
Std Dev 0.7012

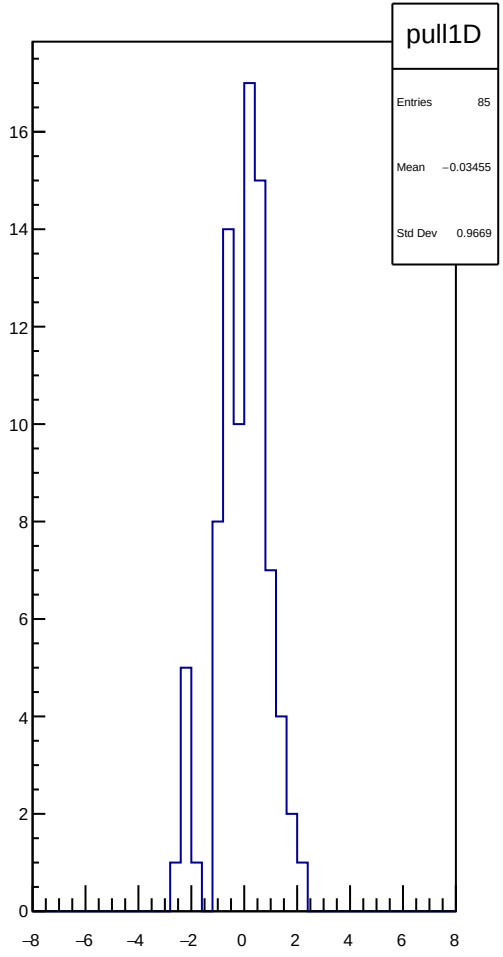

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 10.66 / 84
p0 163.4 ± 6.712
pull
Entries 85
Mean 2528
Std Dev 2518

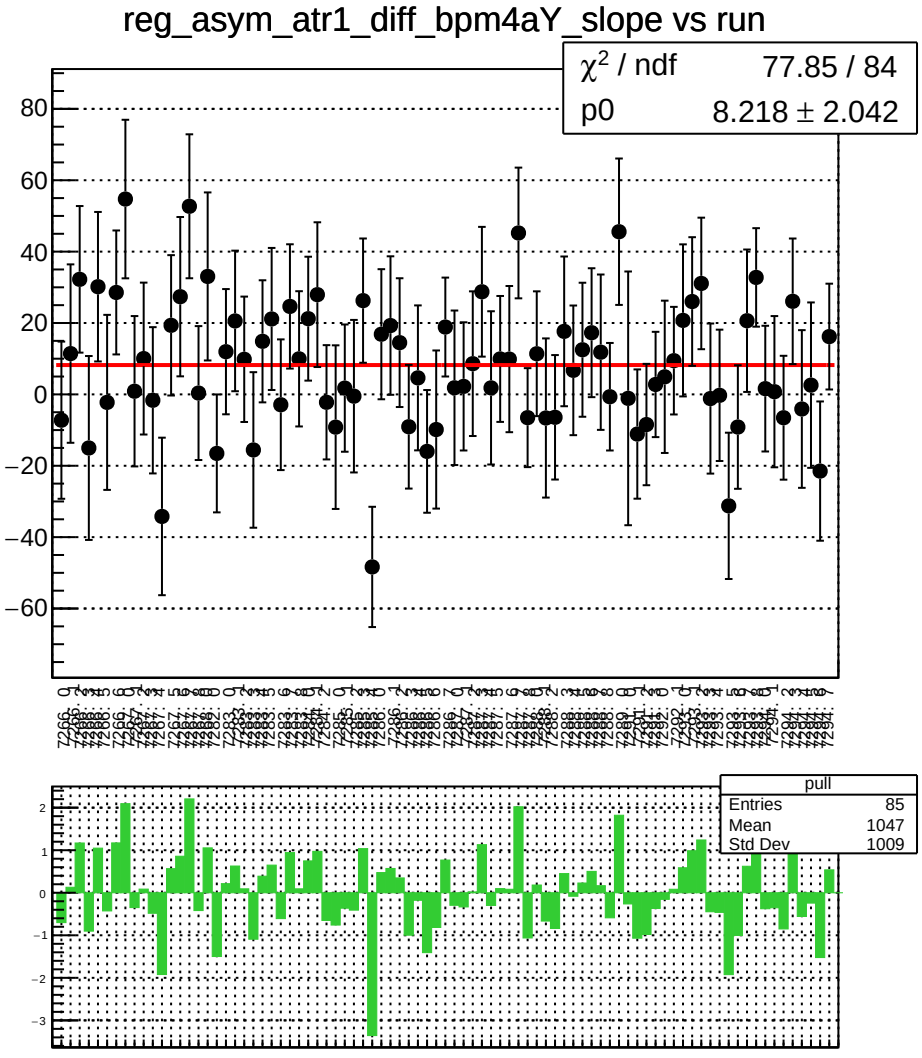

pull1D
Entries 85
Mean 0.0004695
Std Dev 0.3541

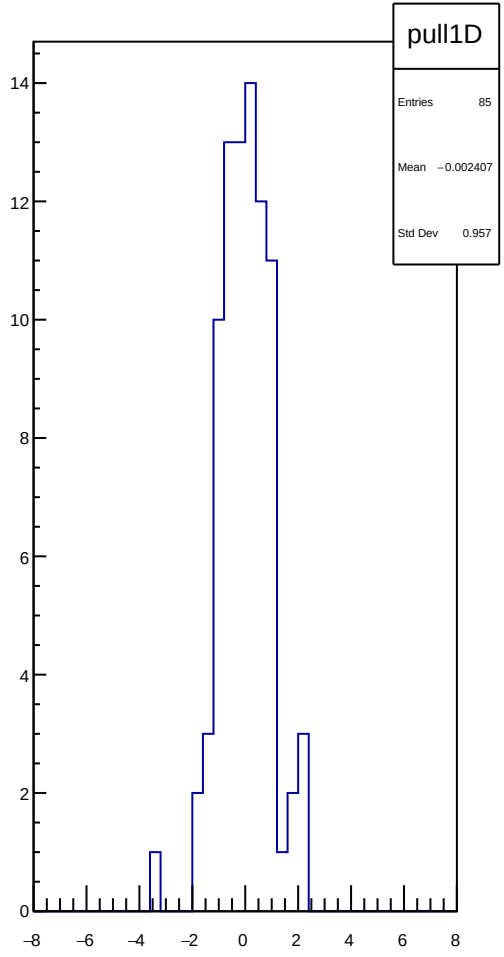

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 287.7 / 84
p0 −220.7 ± 0.3241
−210
−215
−220
−225
−230
−235
pull
Entries 85
Mean −596.7
Std Dev 648.3
2
1
0
−1
−2
−3
−4

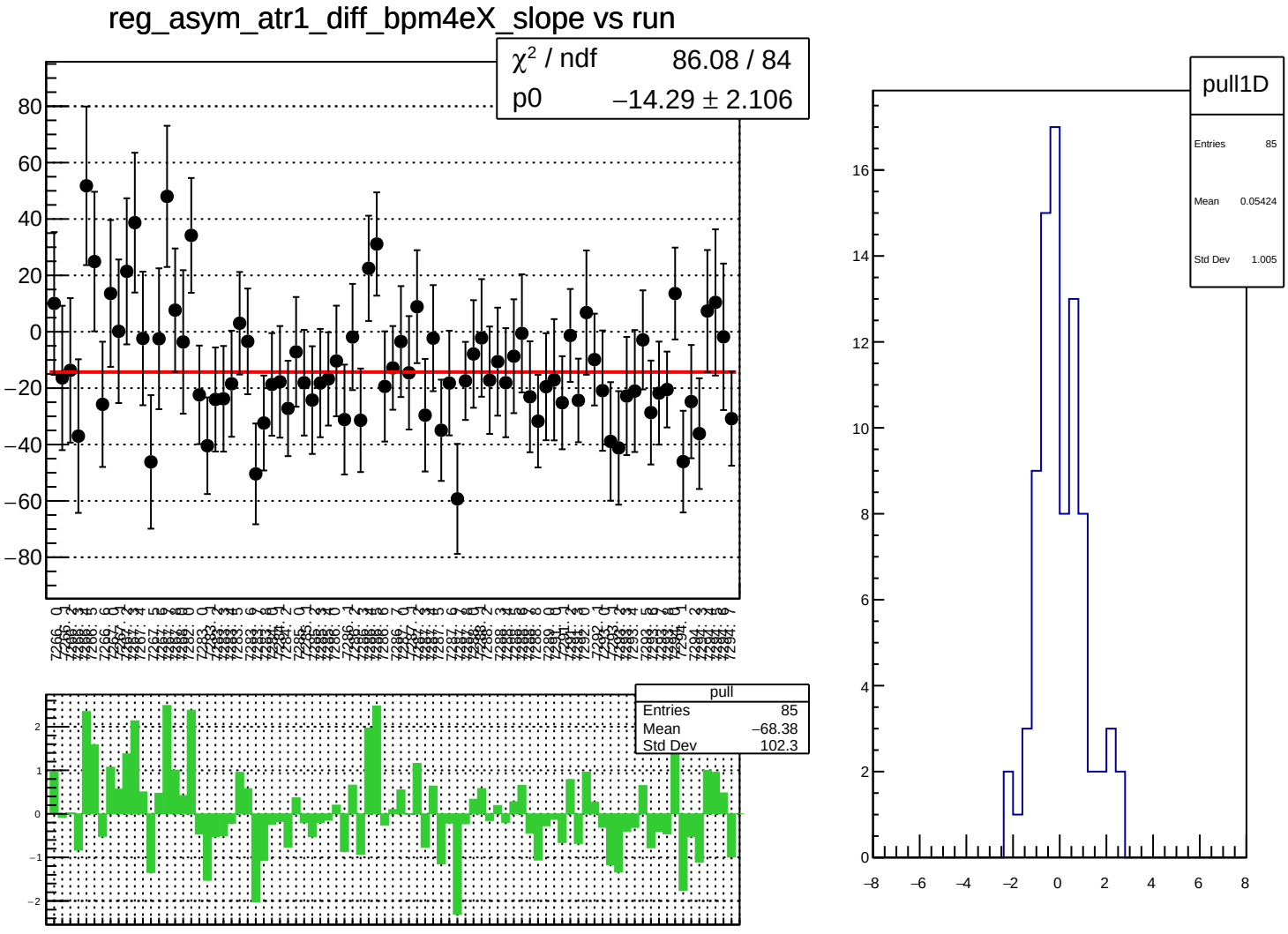

pull1D
Entries 85
Mean 0.04327
Std Dev 1.839
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

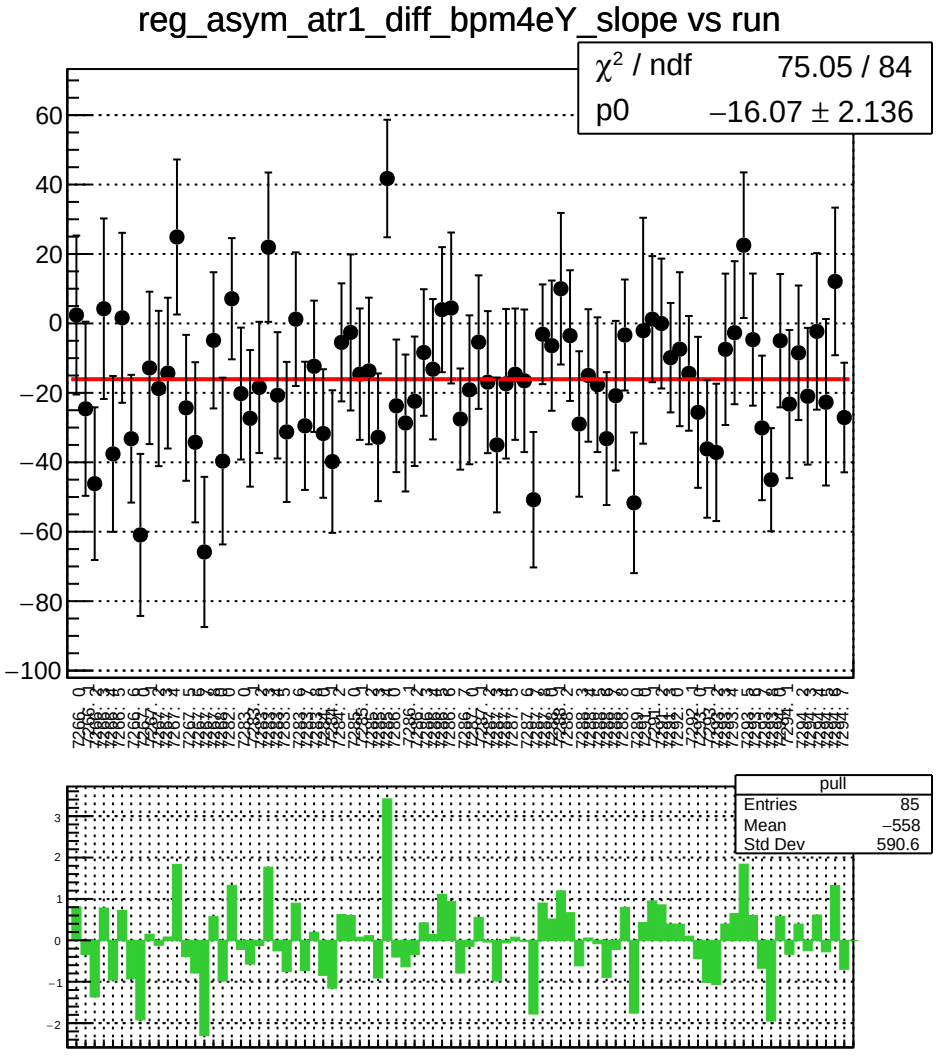

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 79.56 / 84
p0 −44.09 ± 2.108
pull
Entries 85
Mean −85.37
Std Dev 120.7

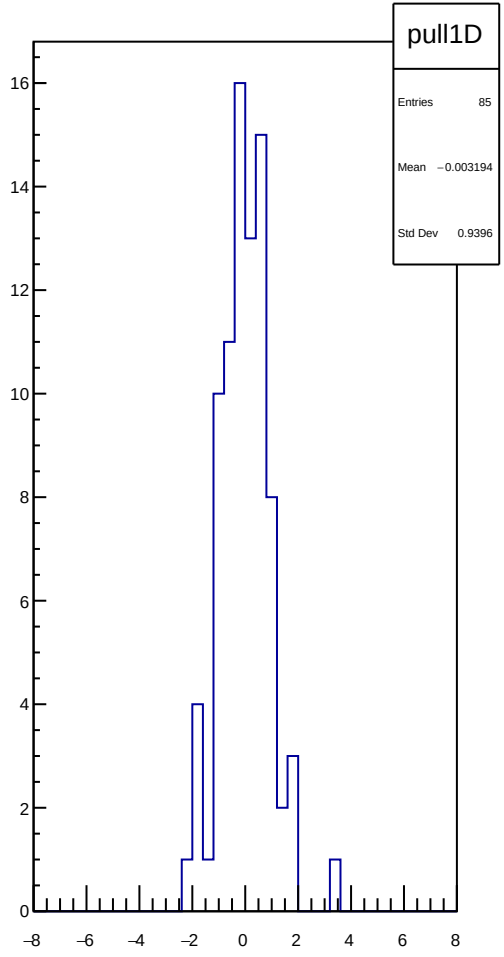

pull1D
Entries 85
Mean −0.03455
Std Dev 0.9669

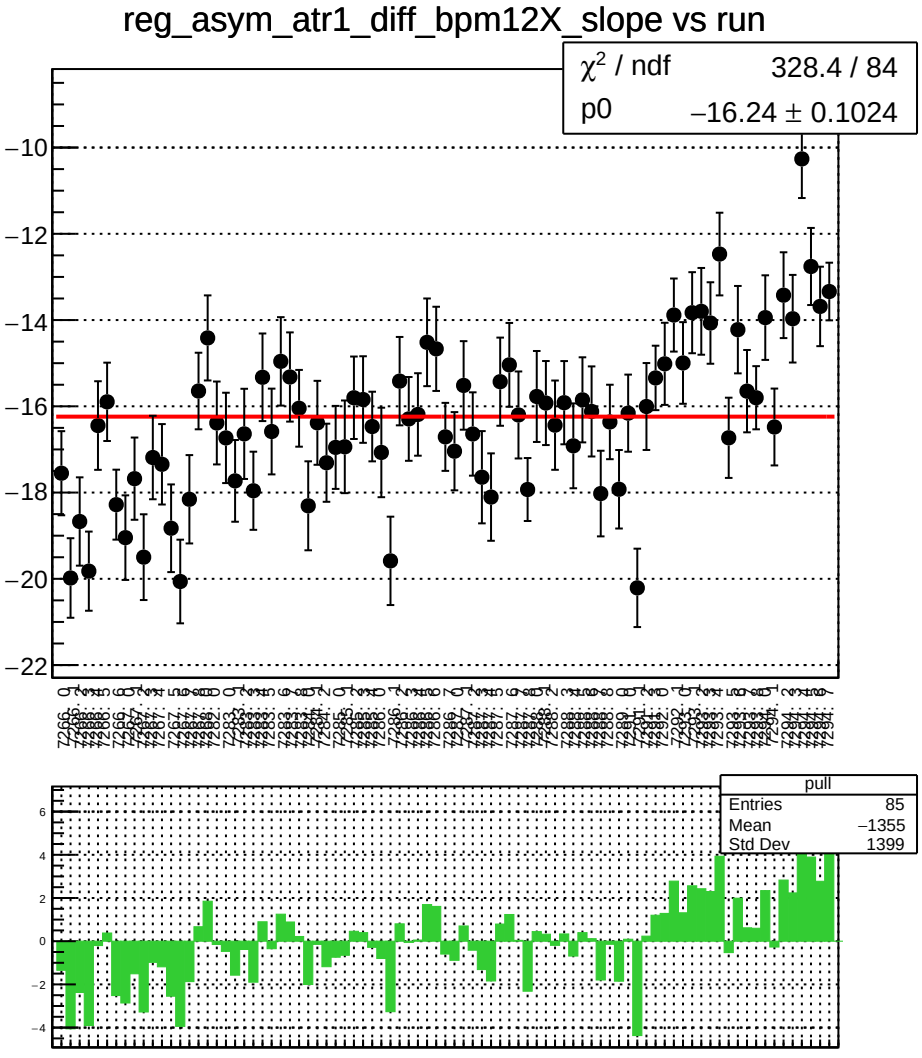

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 77.85 / 84
p0 8.218 ± 2.042
pull
Entries 85
Mean 1047
Std Dev 1009

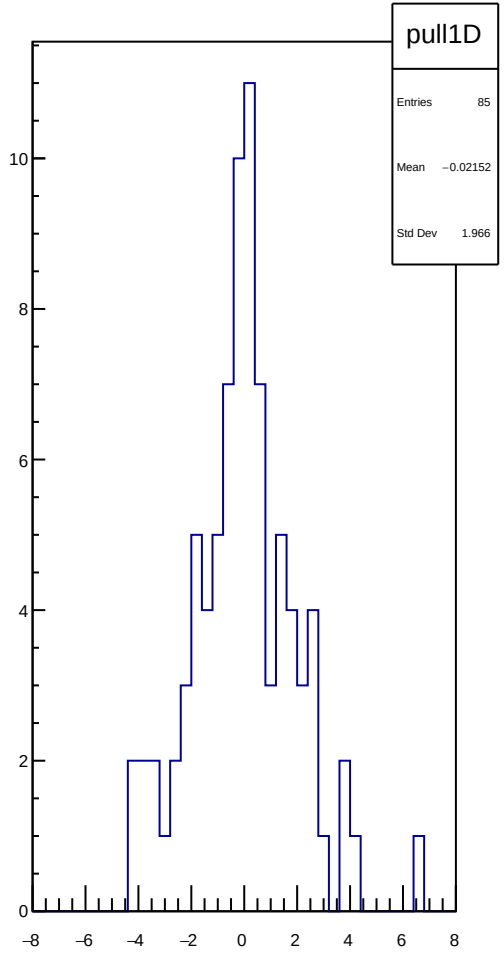

pull1D
Entries 85
Mean −0.002407
Std Dev 0.957

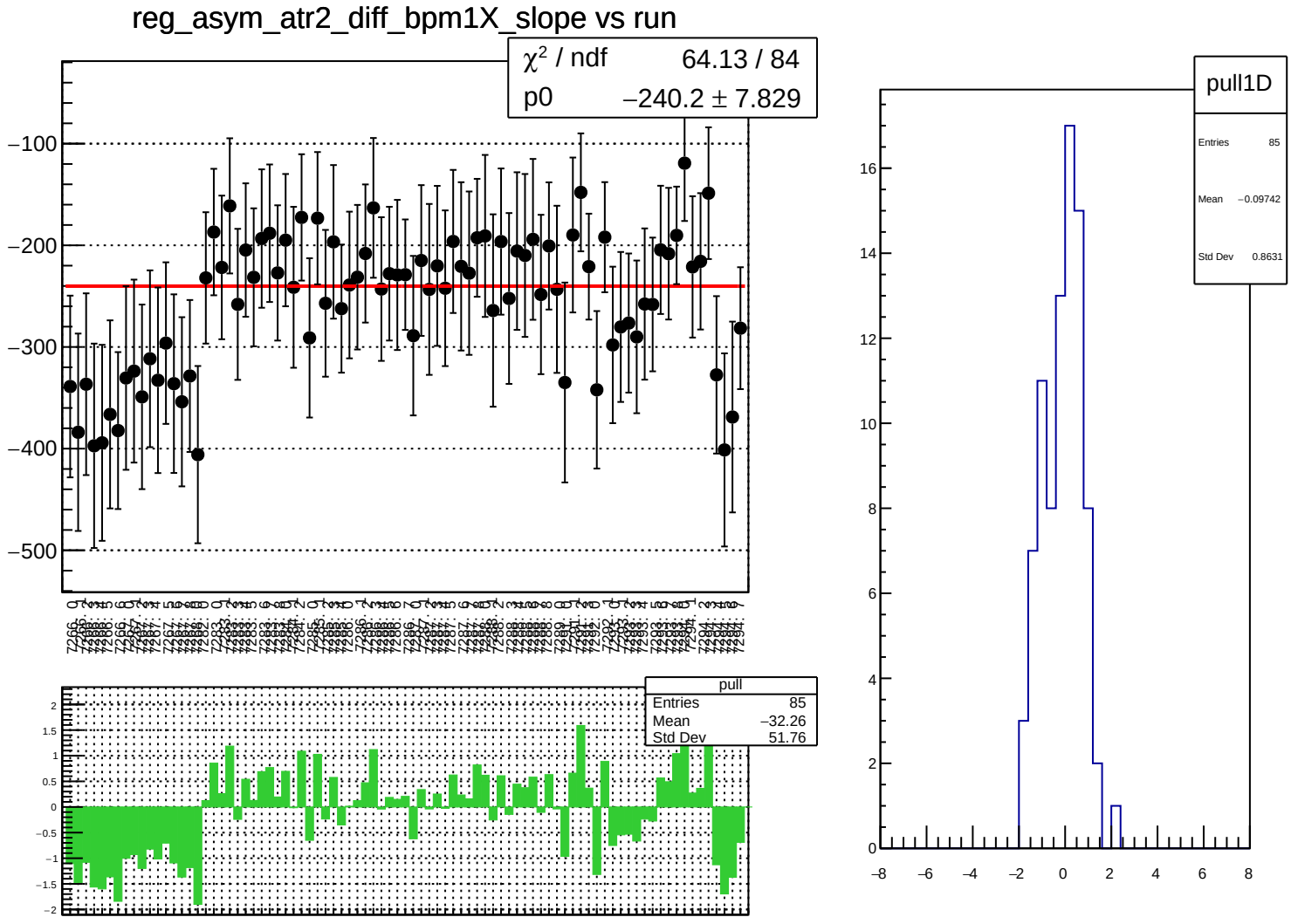

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 86.08 / 84
p0 −14.29 ± 2.106
pull
Entries 85
Mean −68.38
Std Dev 102.3
pull1D
Entries 85
Mean 0.05424
Std Dev 1.005

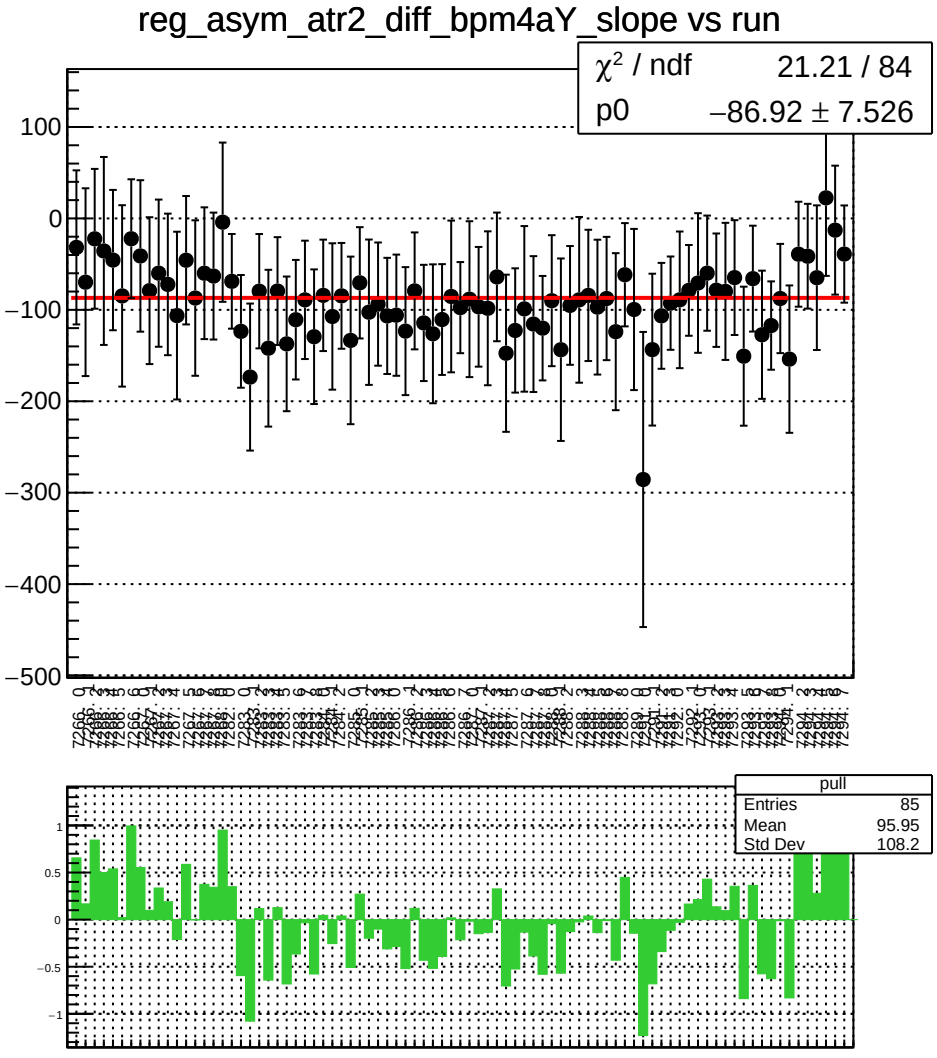

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 75.05 / 84
p0 −16.07 ± 2.136
pull
Entries 85
Mean −558
Std Dev 590.6

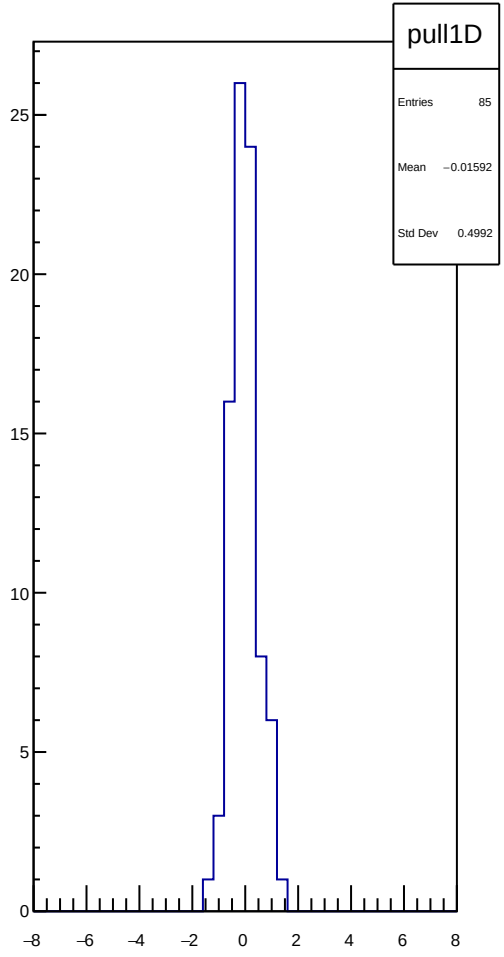

pull1D
Entries 85
Mean −0.003194
Std Dev 0.9396

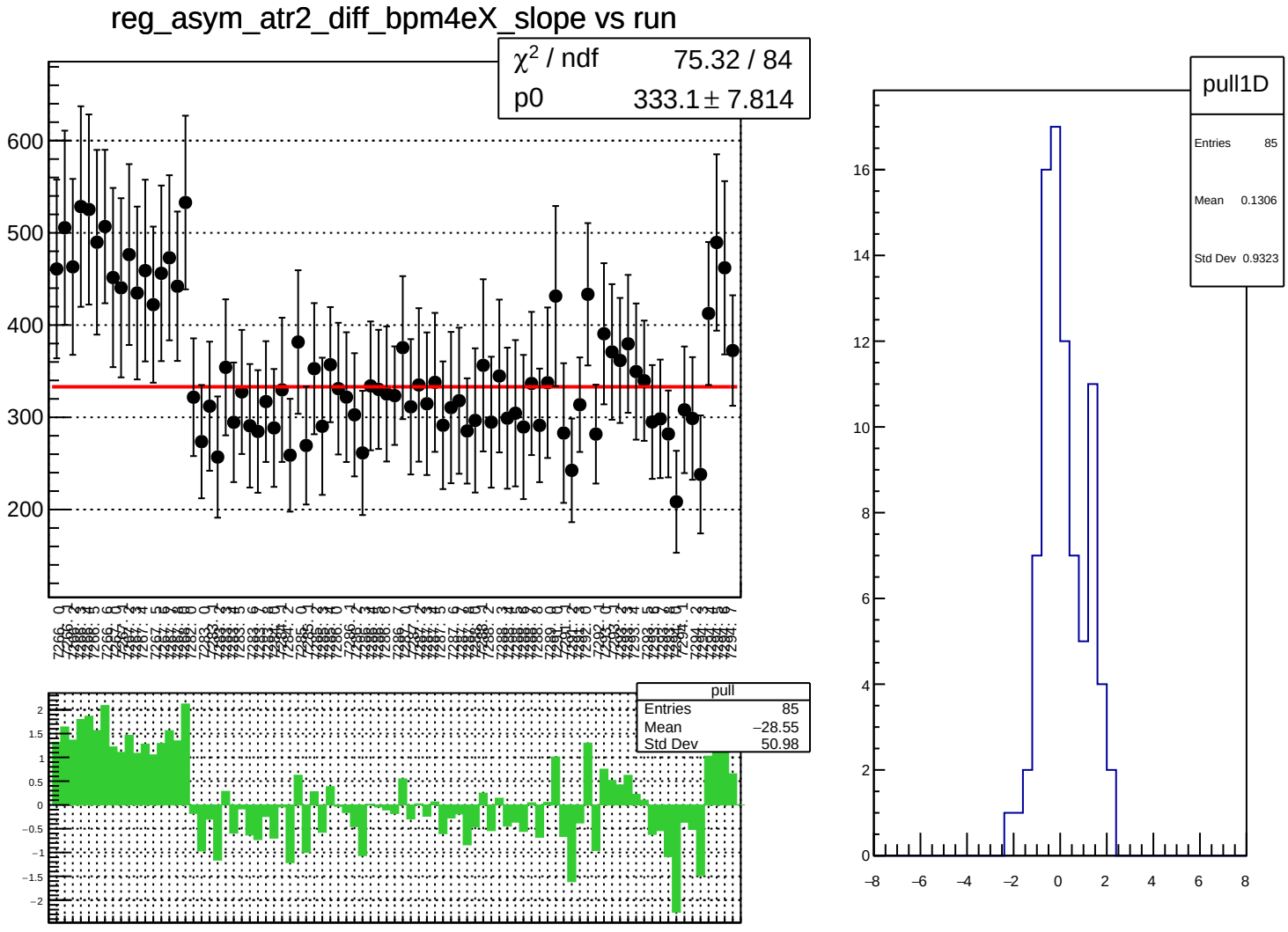

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 328.4 / 84
p0 −16.24 ± 0.1024
pull
Entries 85
Mean −1355
Std Dev 1399

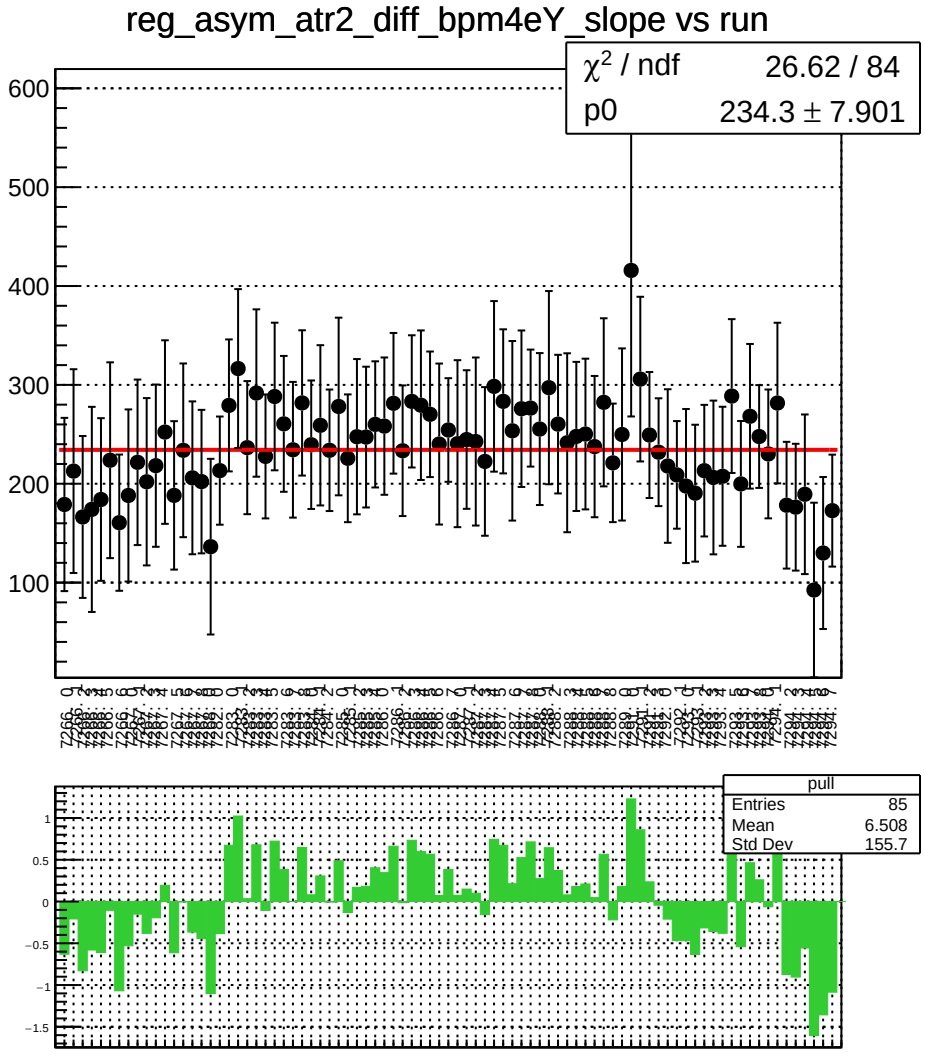

pull1D
Entries 85
Mean −0.02152
Std Dev 1.966

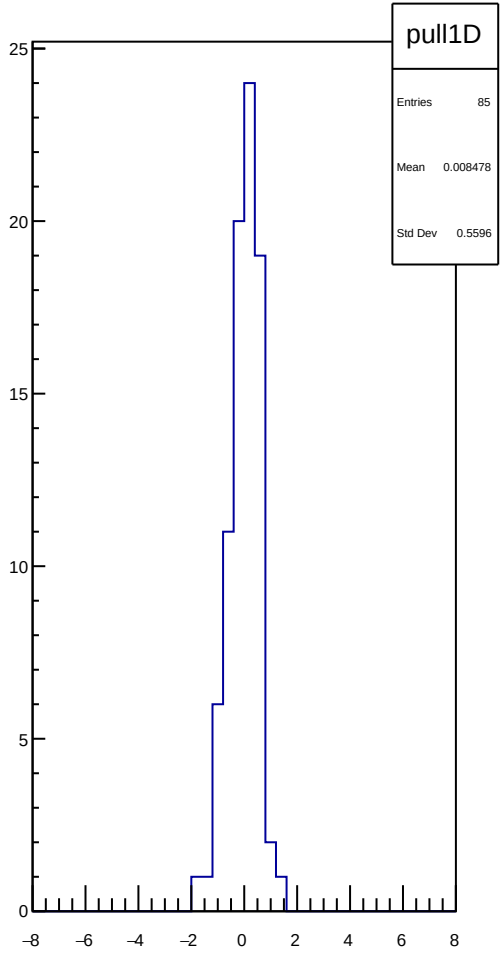

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 64.13 / 84
p0 −240.2 ± 7.829
pull
Entries 85
Mean −32.26
Std Dev 51.76
pull1D
Entries 85
Mean −0.09742
Std Dev 0.8631

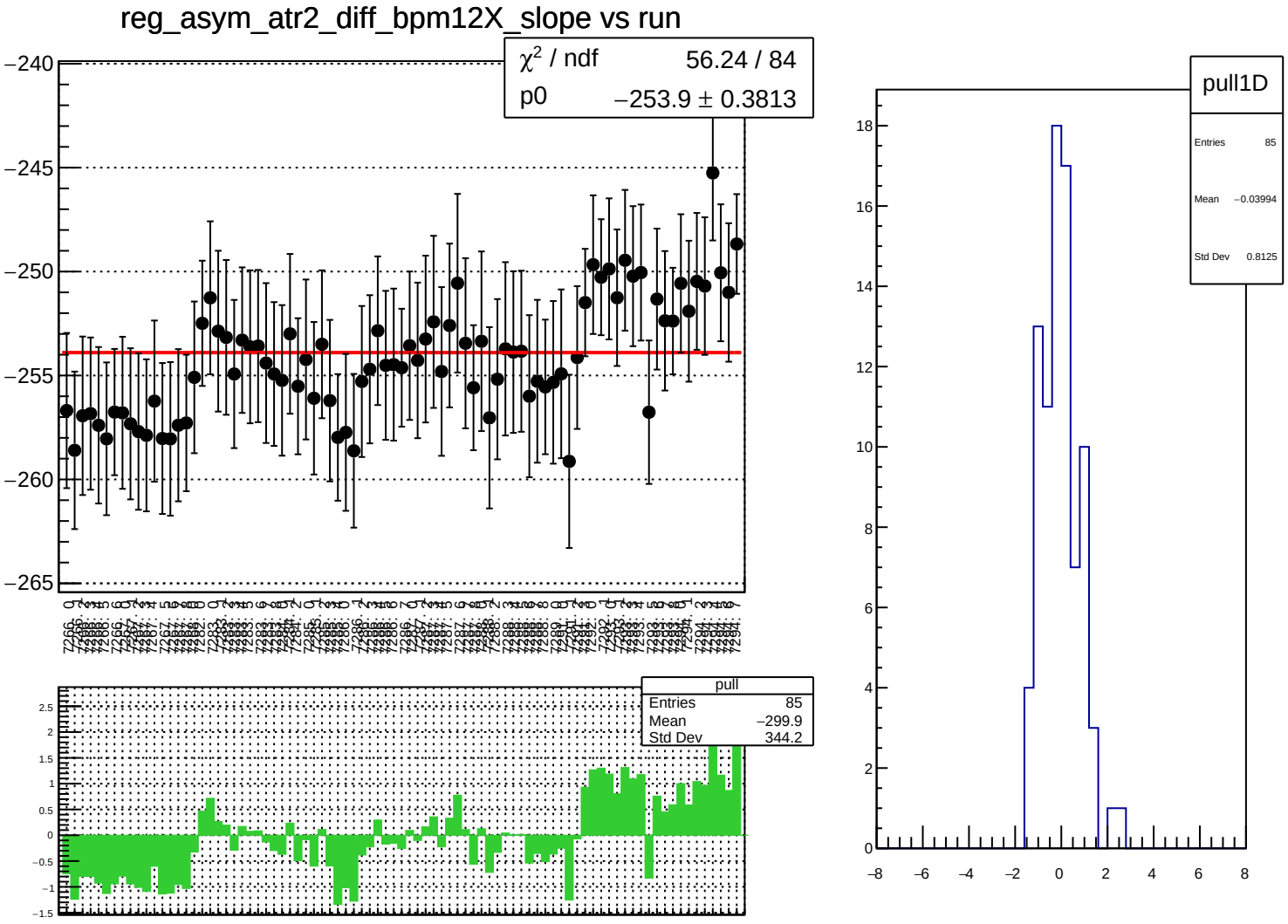

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 21.21 / 84
p0 −86.92 ± 7.526
pull
Entries 85
Mean 95.95
Std Dev 108.2

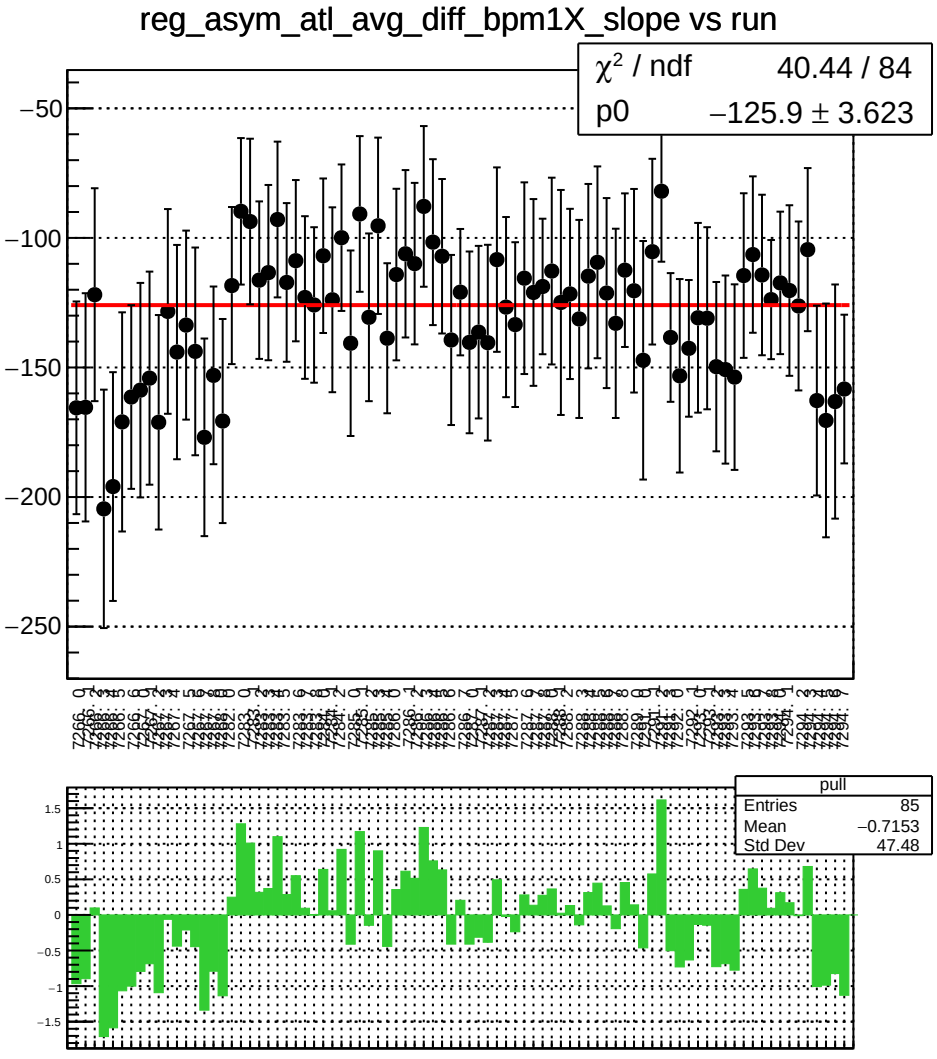

pull1D
Entries 85
Mean −0.01592
Std Dev 0.4992

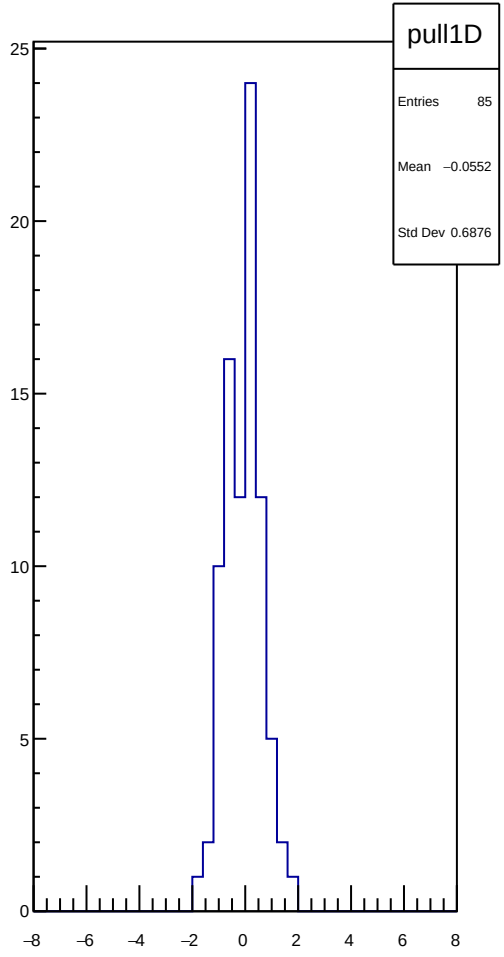

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 75.32 / 84
p0 333.1 ± 7.814
pull
Entries 85
Mean −28.55
Std Dev 50.98
pull1D
Entries 85
Mean 0.1306
Std Dev 0.9323

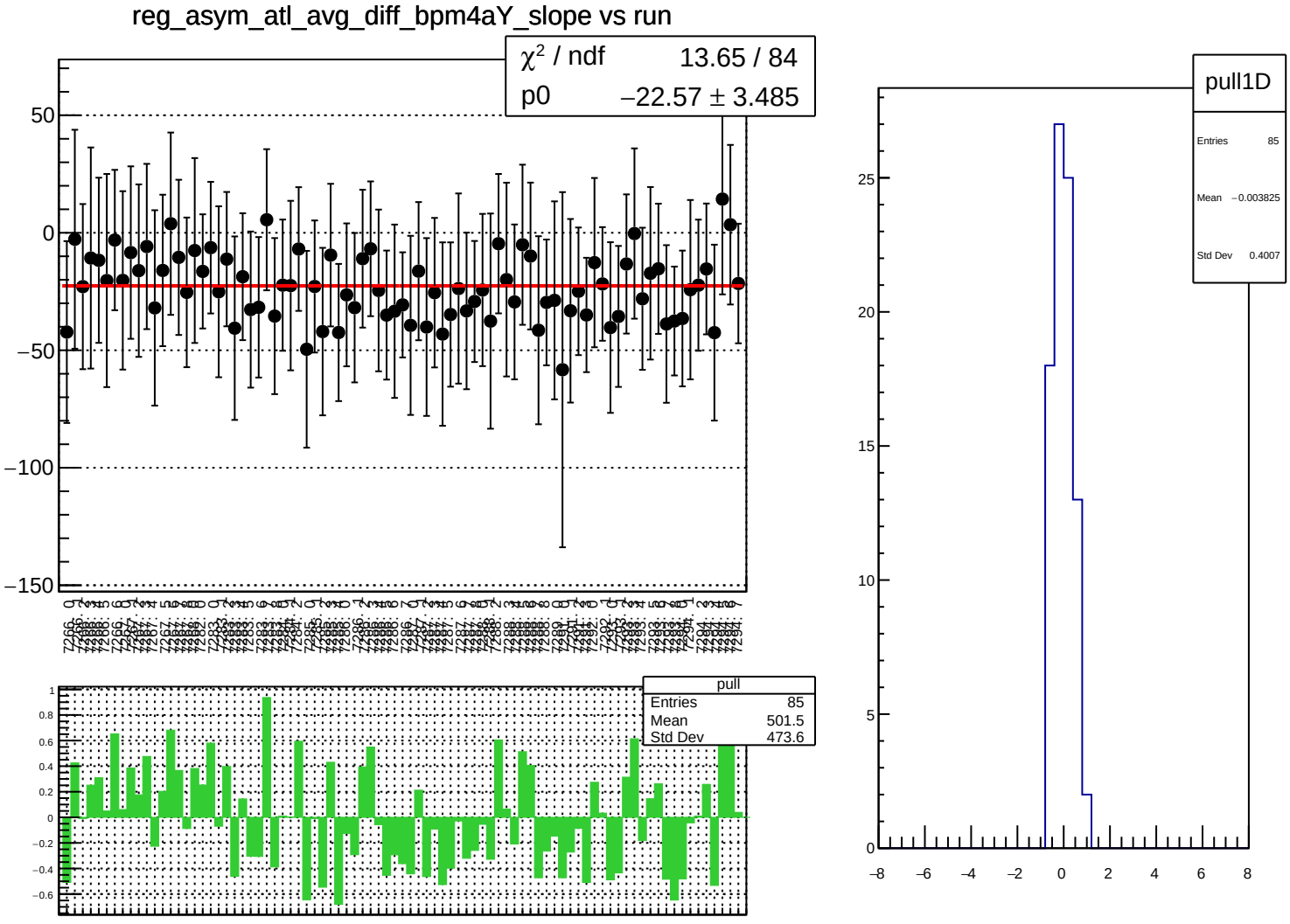

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 26.62 / 84
p0 234.3 ± 7.901
pull
Entries 85
Mean 6.508
Std Dev 155.7

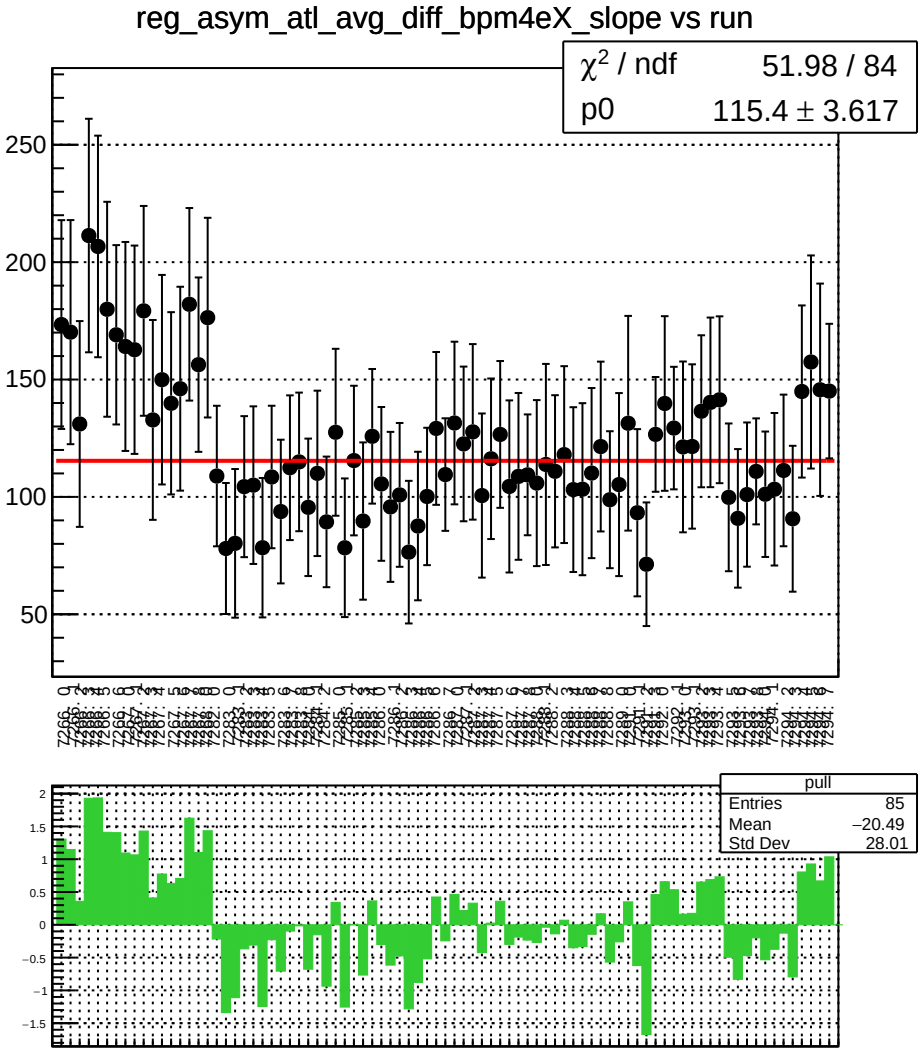

pull1D
Entries 85
Mean 0.008478
Std Dev 0.5596

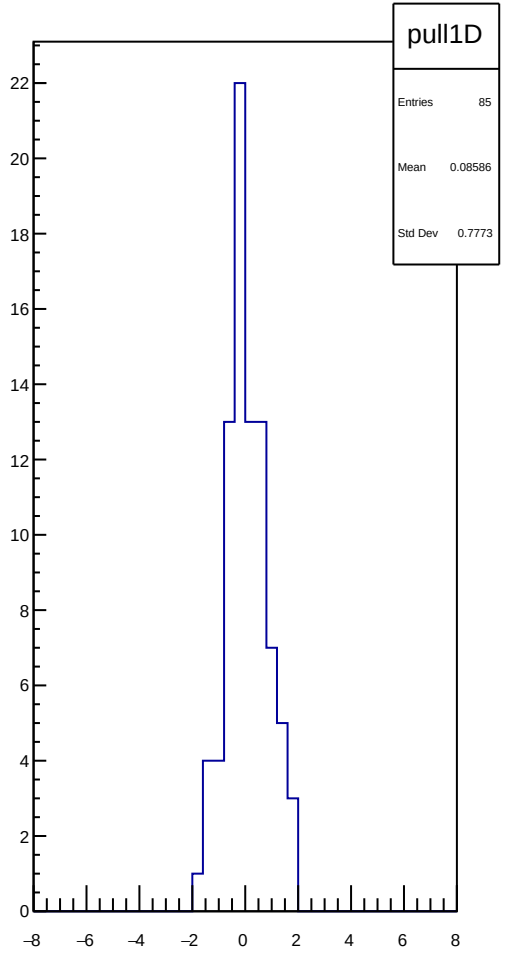

reg_asym_atr2_diff_bpm12X_slope vs run
χ^2 / ndf 56.24 / 84
p0 −253.9 ± 0.3813
pull
Entries 85
Mean −299.9
Std Dev 344.2
pull1D
Entries 85
Mean −0.03994
Std Dev 0.8125

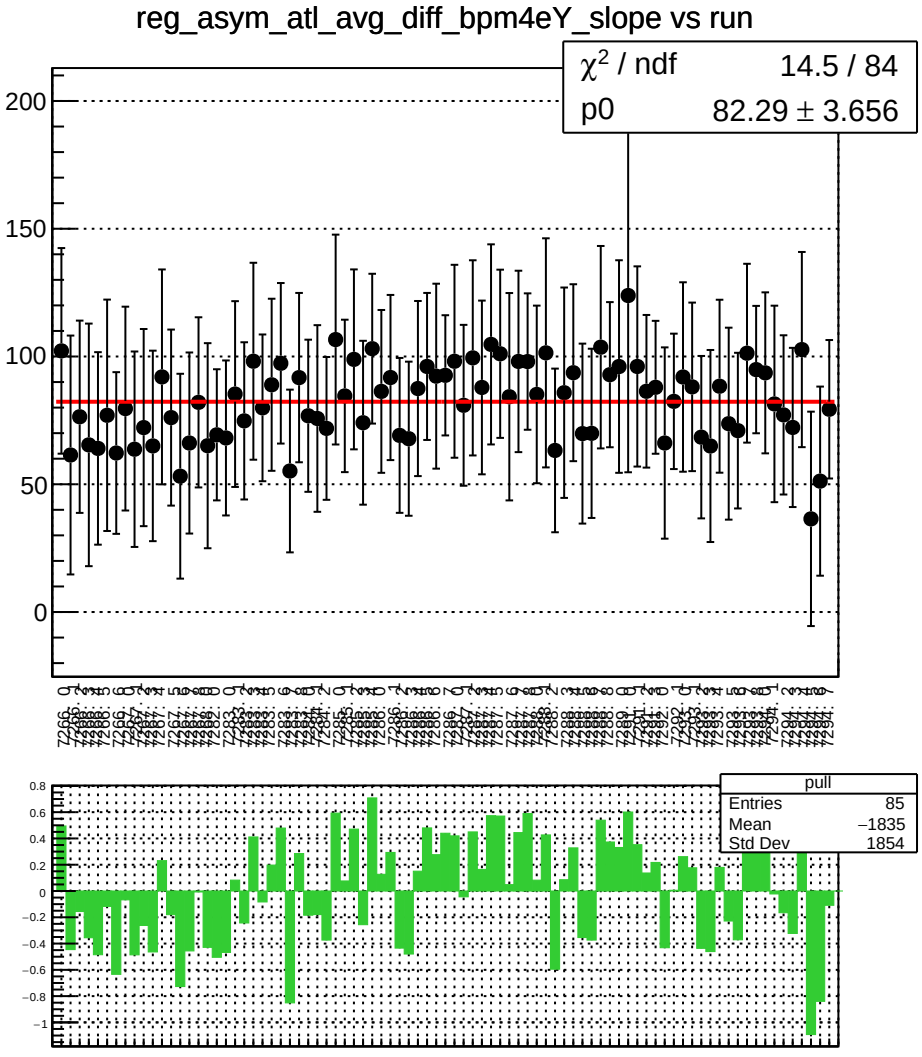

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 40.44 / 84
p0 −125.9 ± 3.623
−50
−100
−150
−200
−250
pull
Entries 85
Mean −0.7153
Std Dev 47.48
1.5
1
0.5
0
−0.5
−1
−1.5

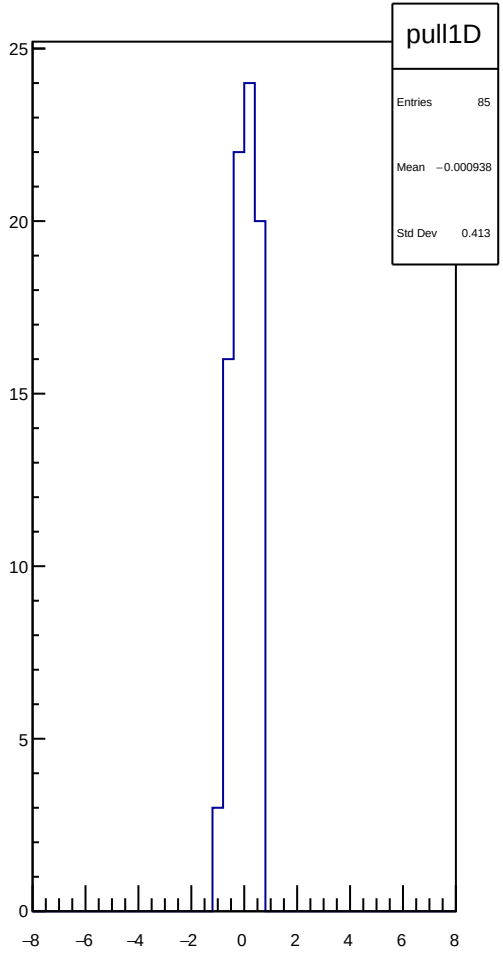

pull1D
Entries 85
Mean −0.0552
Std Dev 0.6876
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

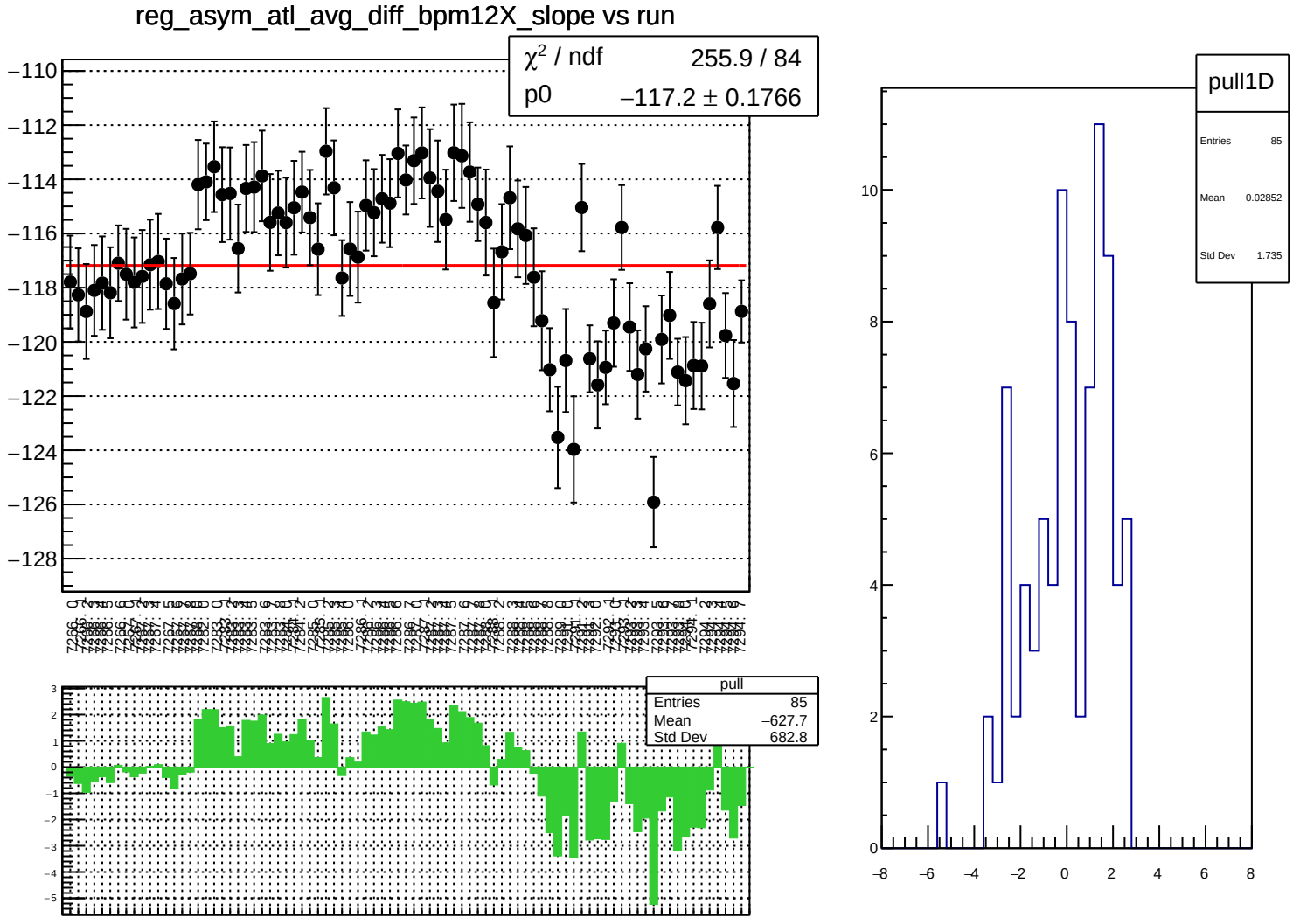

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.65 / 84
p0 −22.57 ± 3.485
pull
Entries 85
Mean 501.5
Std Dev 473.6
pull1D
Entries 85
Mean −0.003825
Std Dev 0.4007

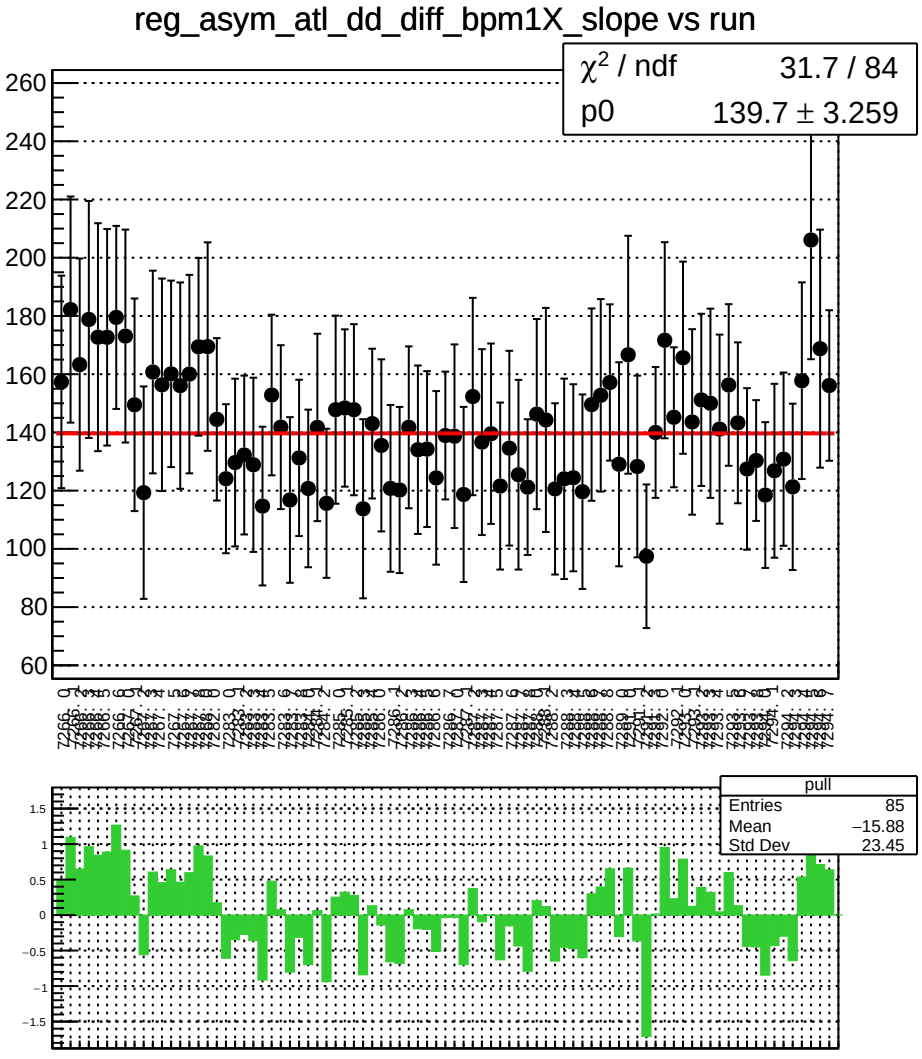

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 51.98 / 84
p0 115.4 ± 3.617
pull
Entries 85
Mean −20.49
Std Dev 28.01

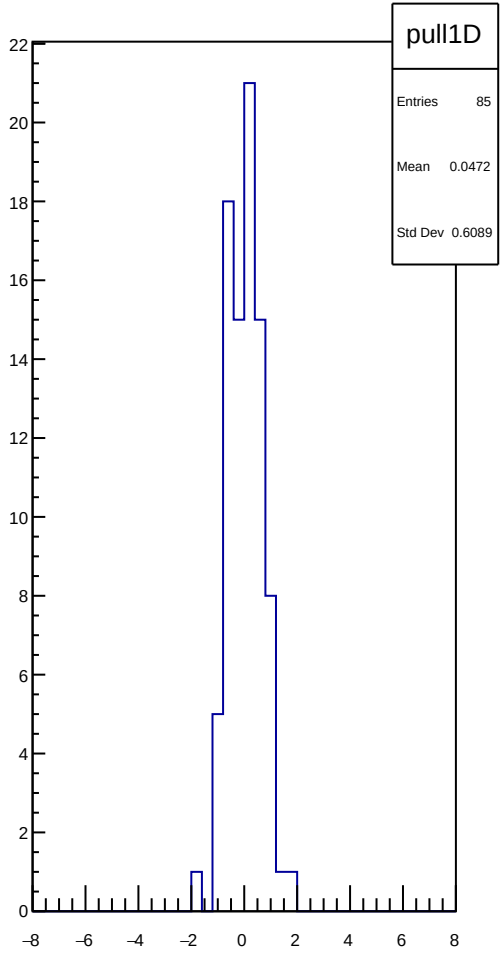

pull1D
Entries 85
Mean 0.08586
Std Dev 0.7773

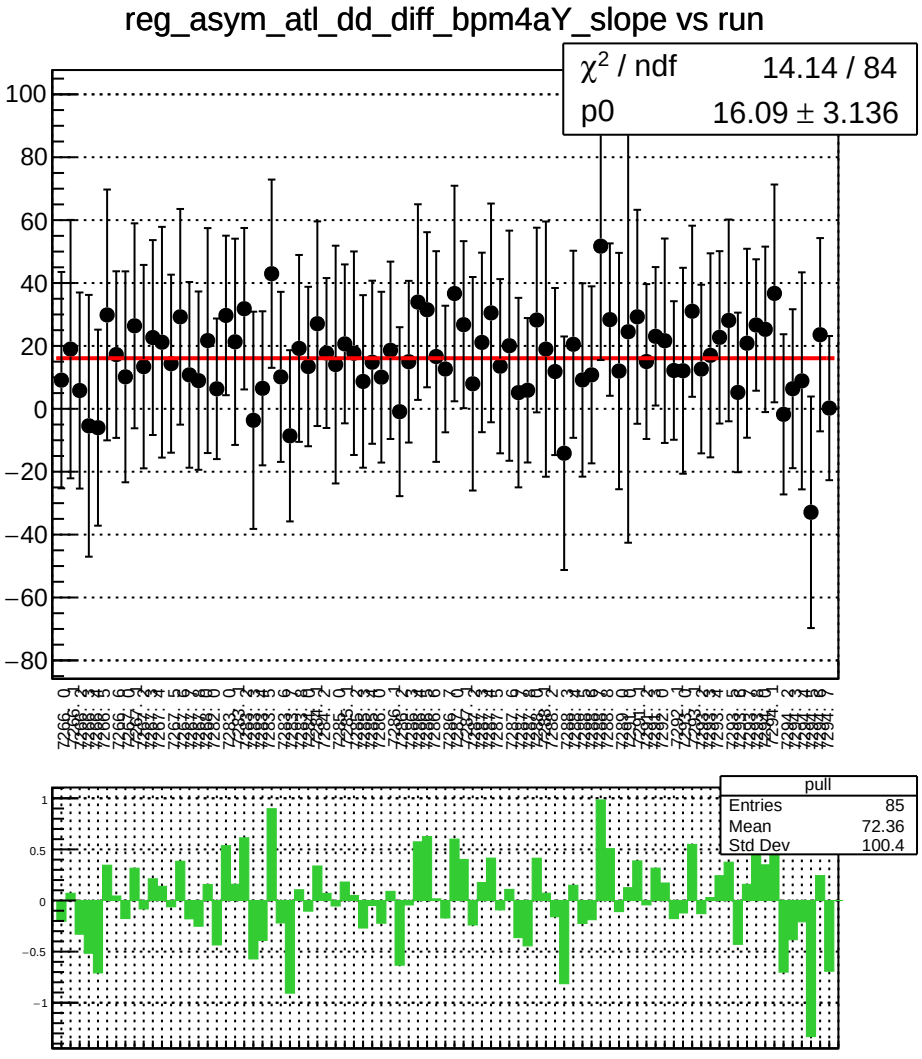

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.5 / 84
p0 82.29 ± 3.656
pull
Entries 85
Mean −1835
Std Dev 1854

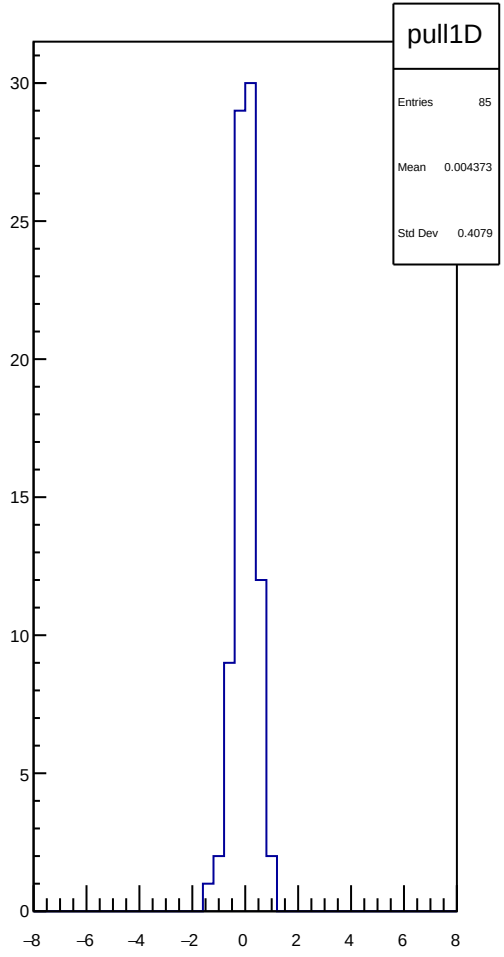

pull1D
Entries 85
Mean −0.000938
Std Dev 0.413

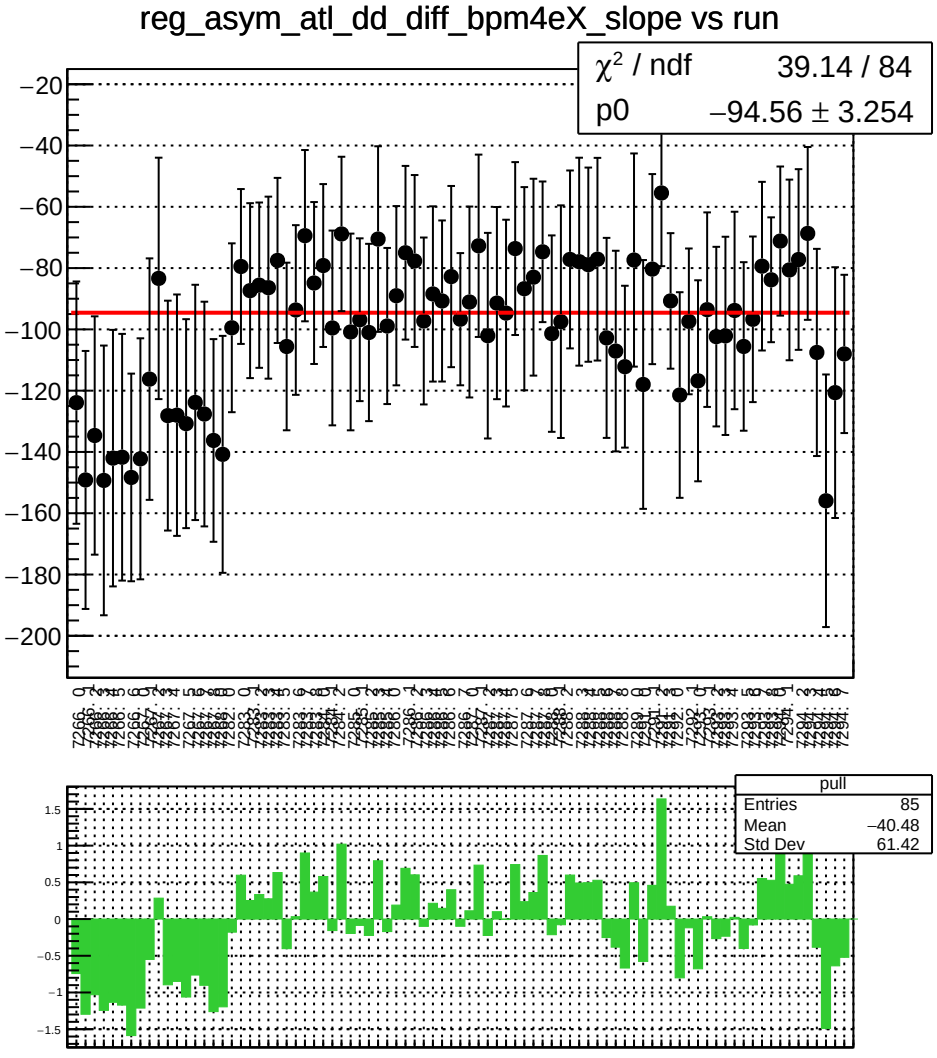

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 255.9 / 84
p0 −117.2 ± 0.1766
pull
Entries 85
Mean −627.7
Std Dev 682.8
pull1D
Entries 85
Mean 0.02852
Std Dev 1.735

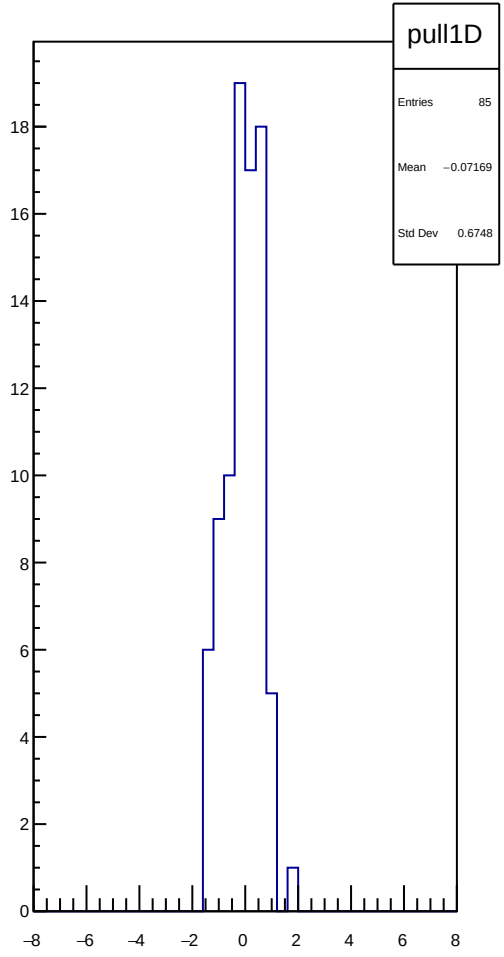

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ^2 / ndf 31.7 / 84
p0 139.7 ± 3.259
pull
Entries 85
Mean −15.88
Std Dev 23.45

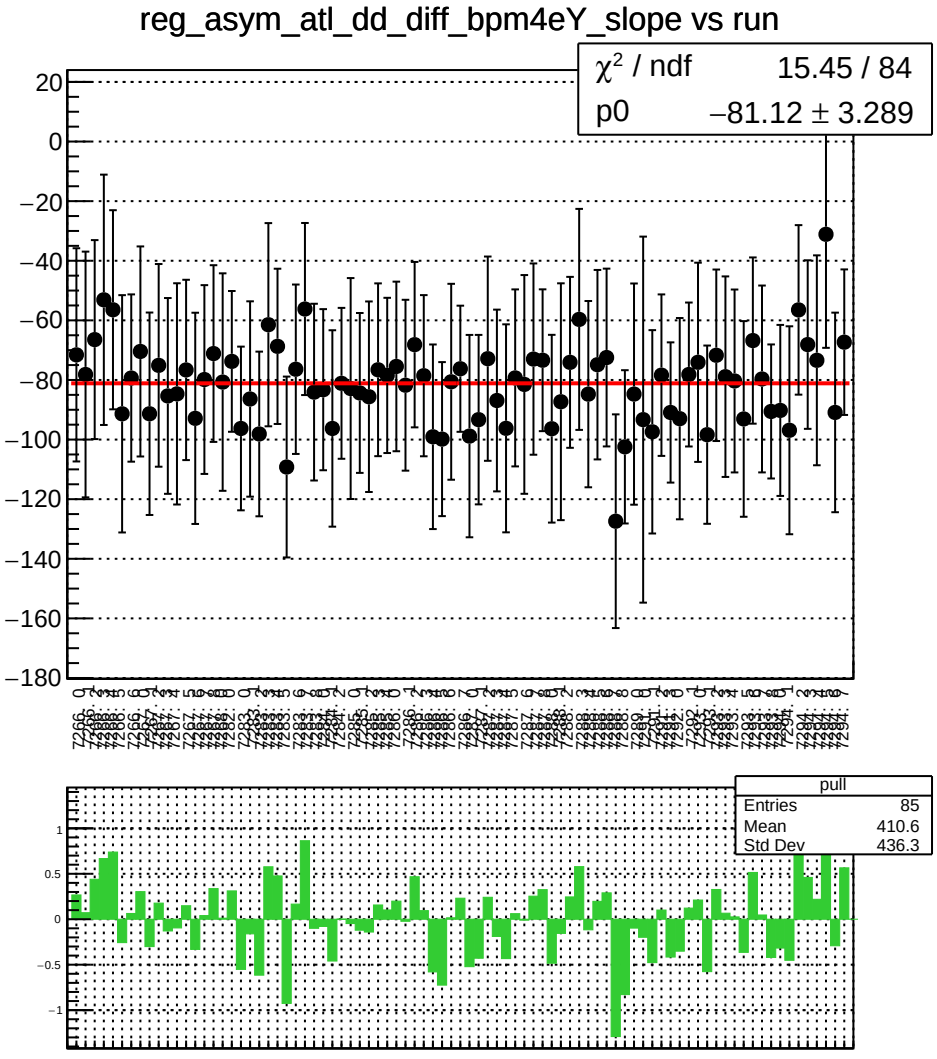

pull1D
Entries 85
Mean 0.0472
Std Dev 0.6089

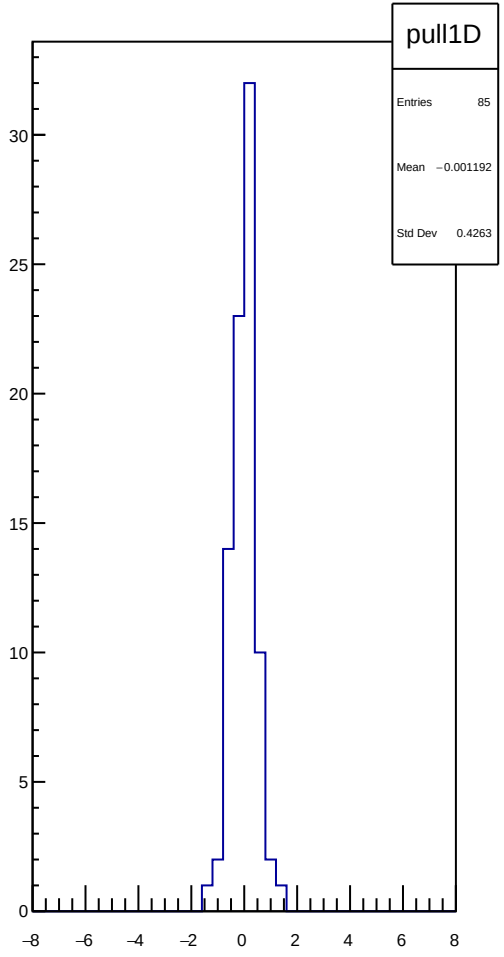

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 14.14 / 84
p0 16.09 ± 3.136
pull
Entries 85
Mean 72.36
Std Dev 100.4

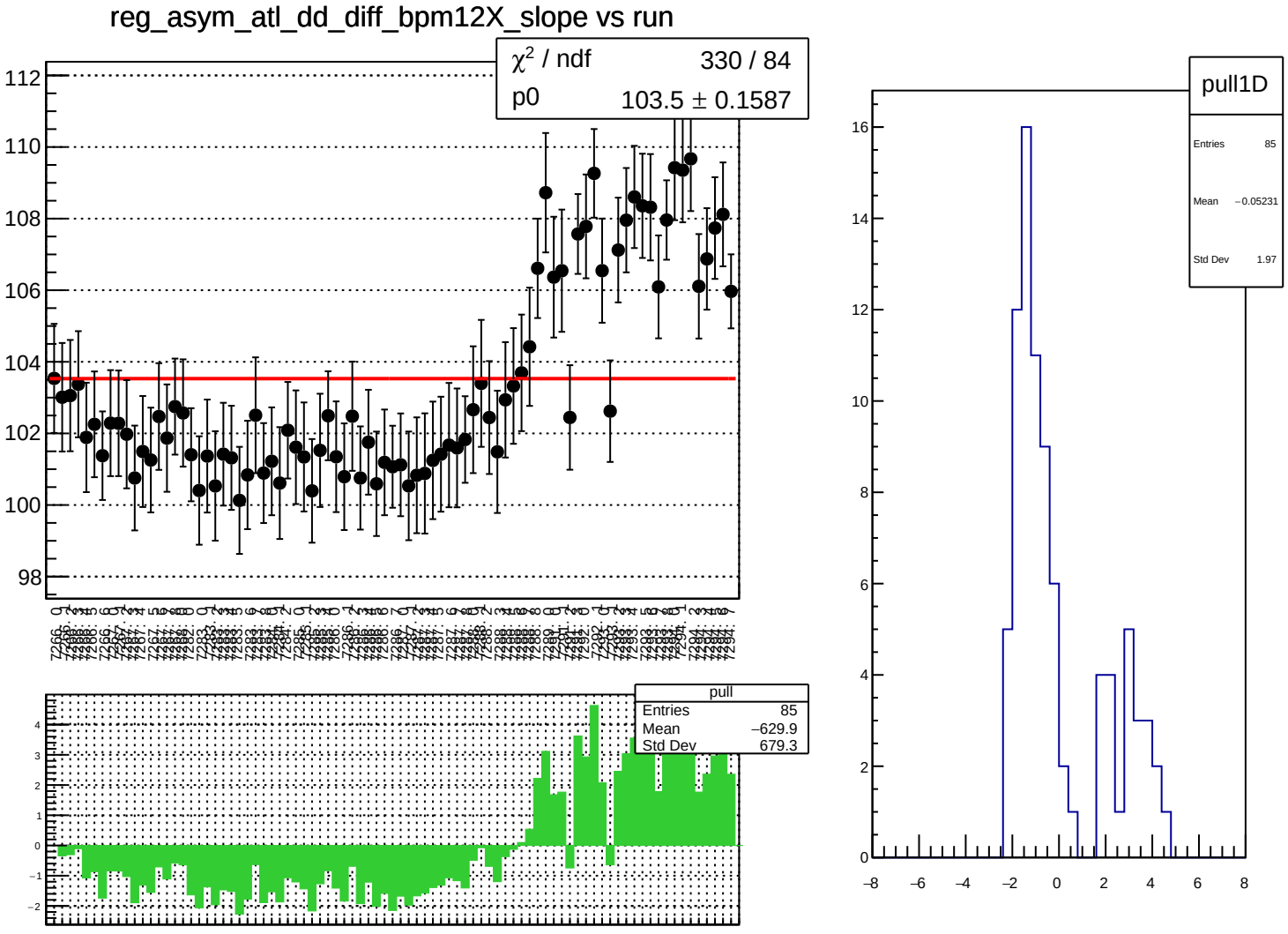

pull1D
Entries 85
Mean 0.004373
Std Dev 0.4079

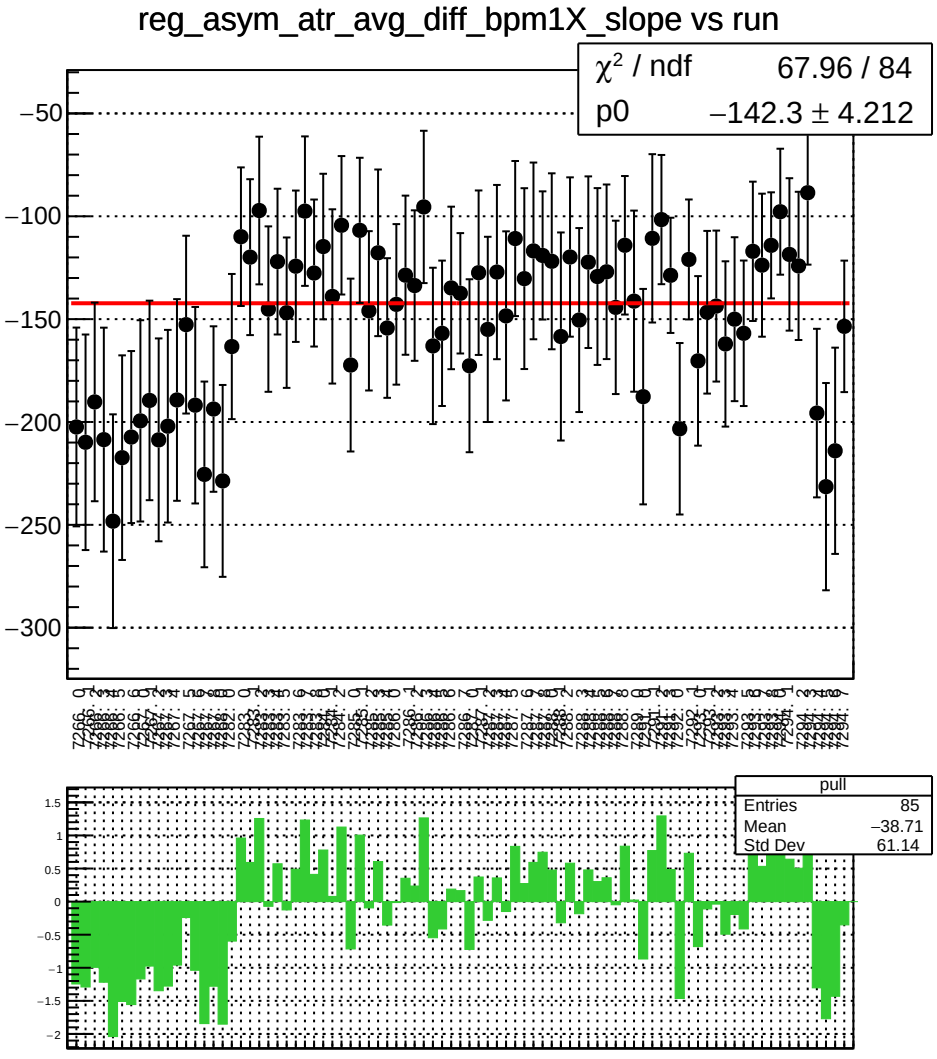

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 39.14 / 84
p0 −94.56 ± 3.254
pull
Entries 85
Mean −40.48
Std Dev 61.42

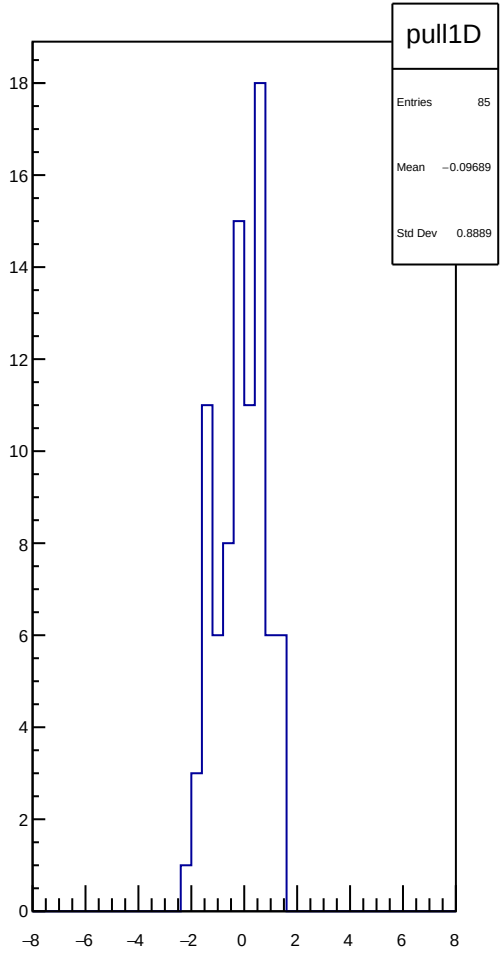

pull1D
Entries 85
Mean −0.07169
Std Dev 0.6748

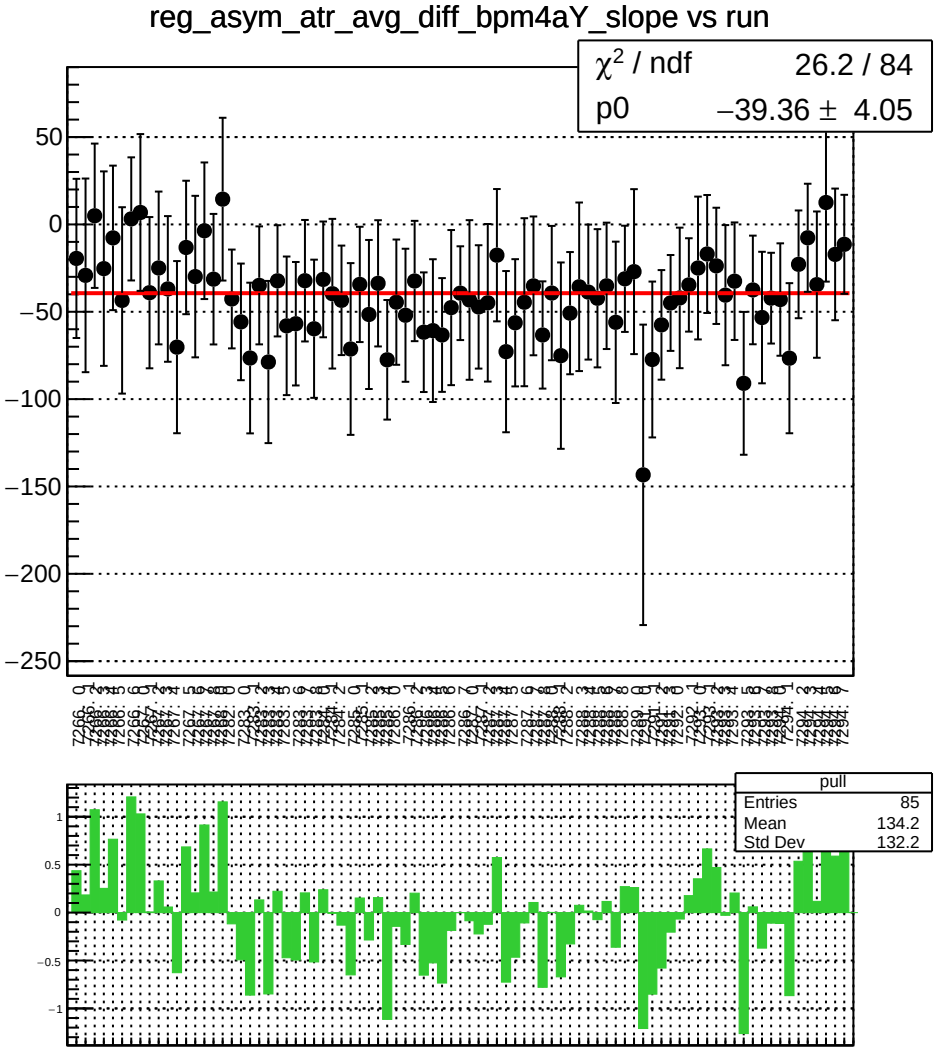

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.45 / 84
p0 −81.12 ± 3.289
pull
Entries 85
Mean 410.6
Std Dev 436.3

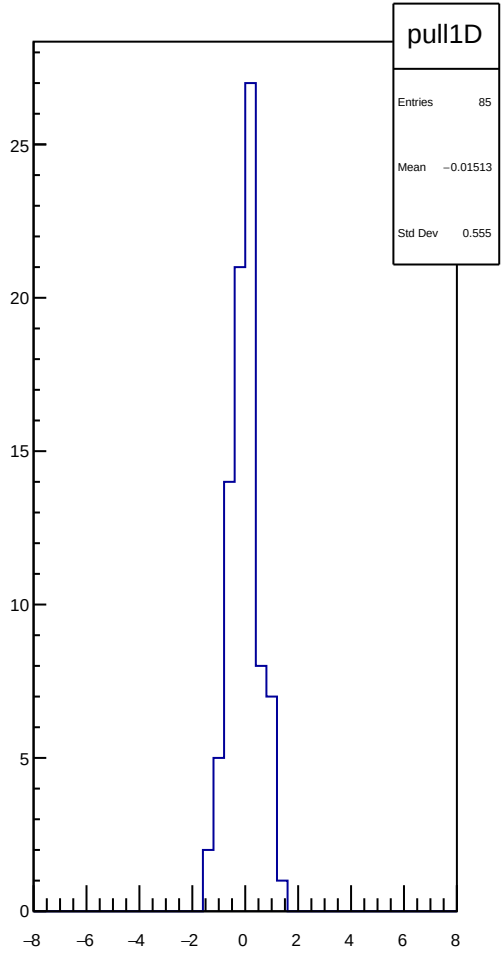

pull1D
Entries 85
Mean −0.001192
Std Dev 0.4263

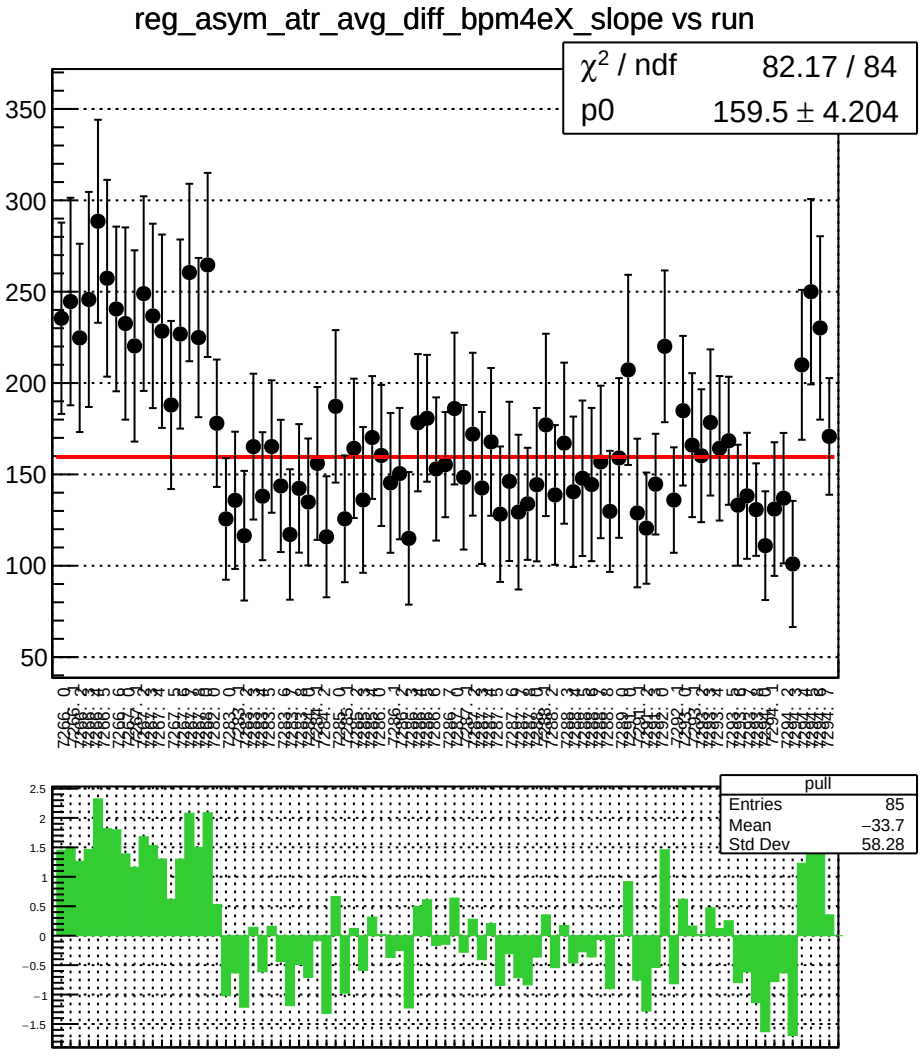

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 330 / 84
p0 103.5 ± 0.1587
pull
Entries 85
Mean −629.9
Std Dev 679.3
pull1D
Entries 85
Mean −0.05231
Std Dev 1.97

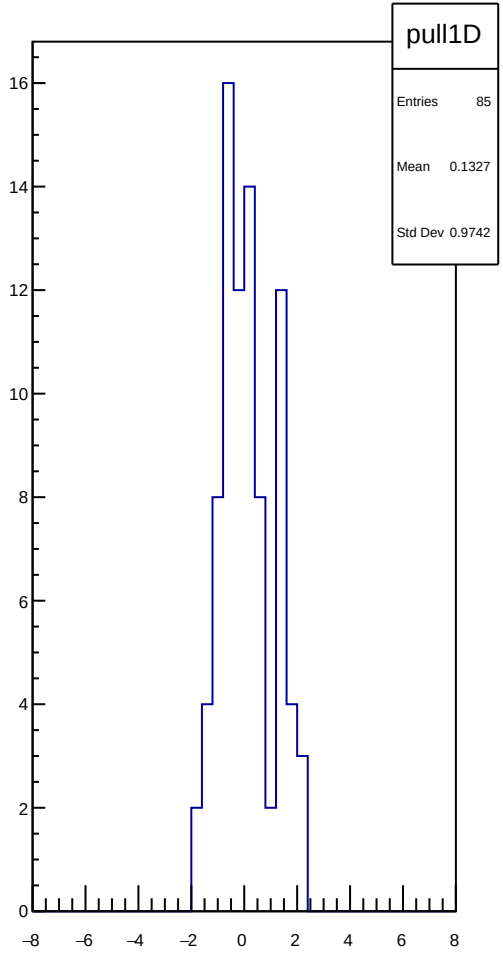

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 67.96 / 84
p0 −142.3 ± 4.212
pull
Entries 85
Mean −38.71
Std Dev 61.14

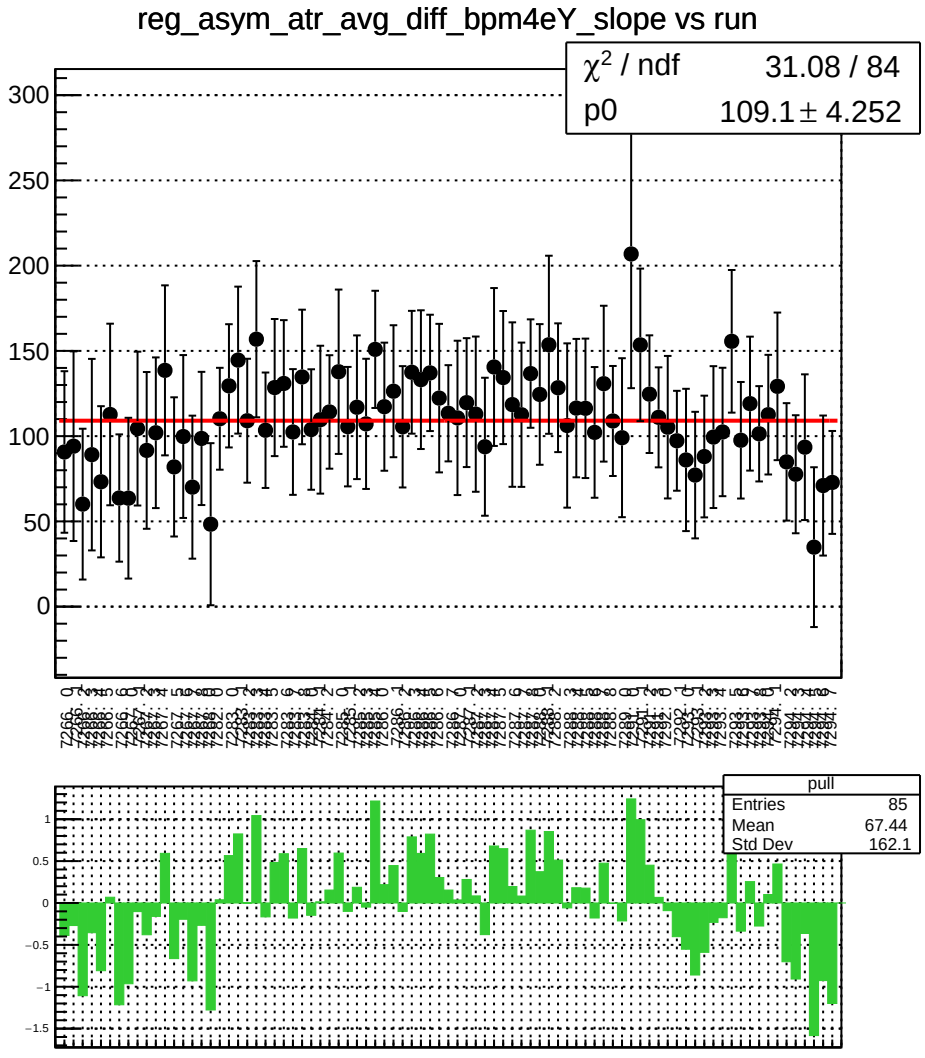

pull1D
Entries 85
Mean −0.09689
Std Dev 0.8889

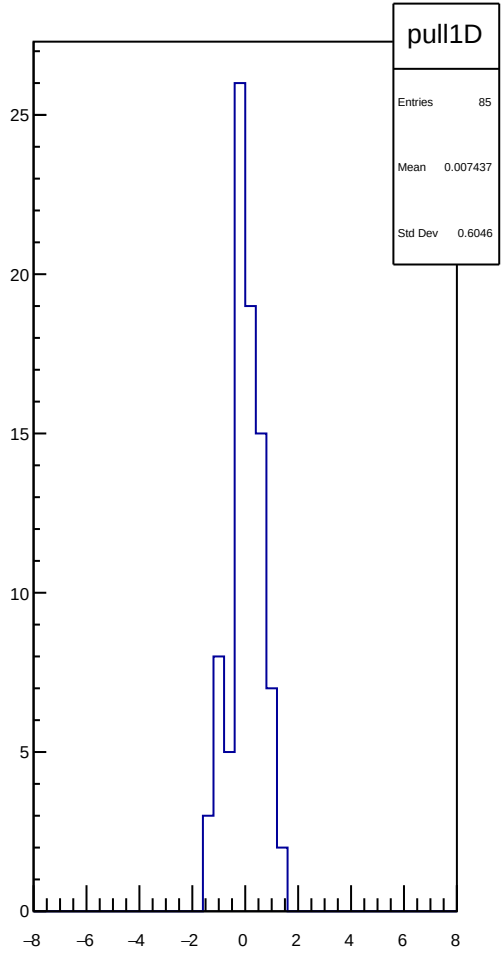

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 26.2 / 84
p0 −39.36 ± 4.05
pull
Entries 85
Mean 134.2
Std Dev 132.2

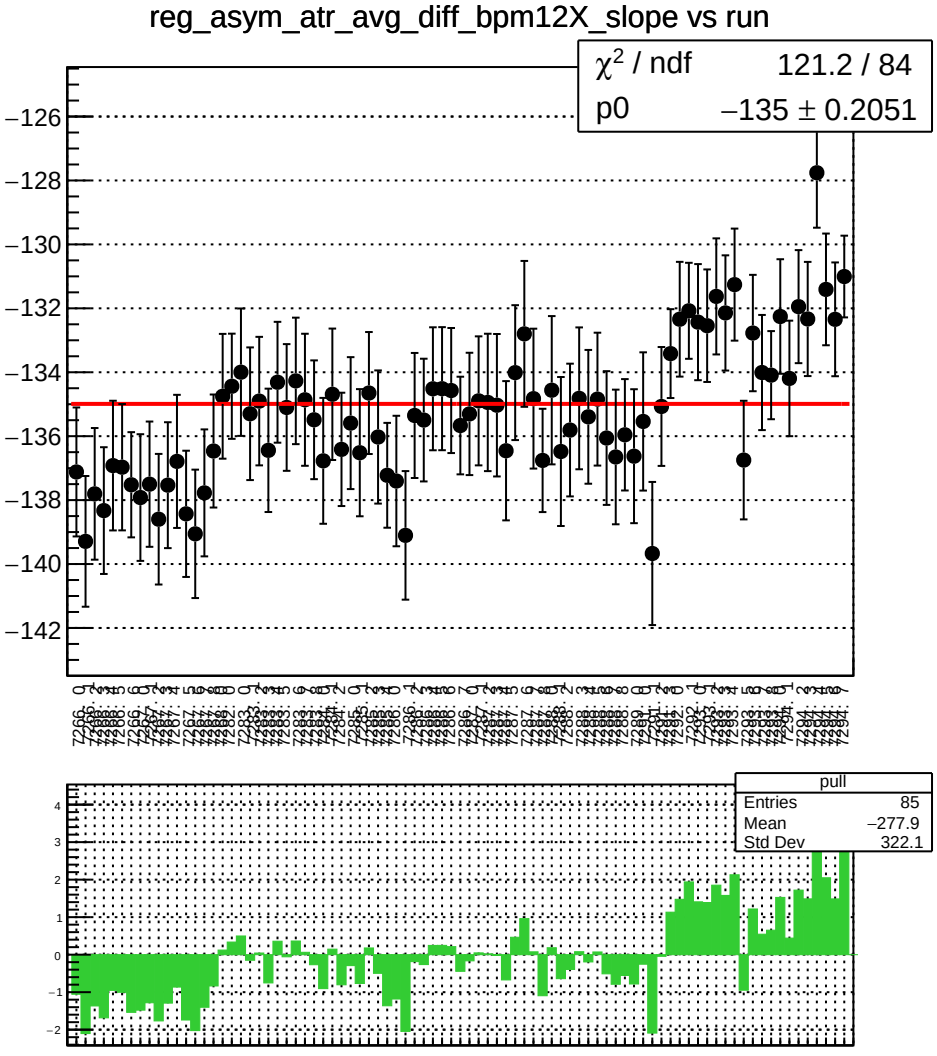

pull1D
Entries 85
Mean −0.01513
Std Dev 0.555

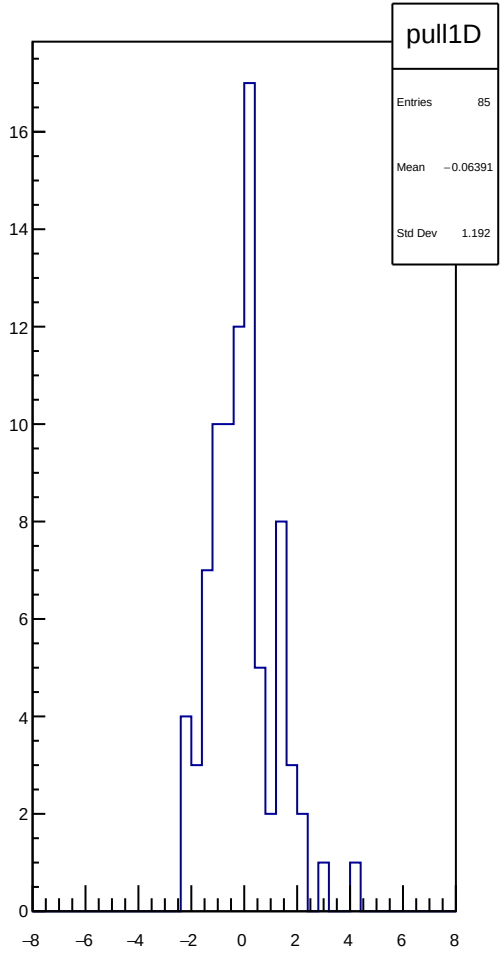

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 82.17 / 84
p0 159.5 ± 4.204
pull
Entries 85
Mean −33.7
Std Dev 58.28

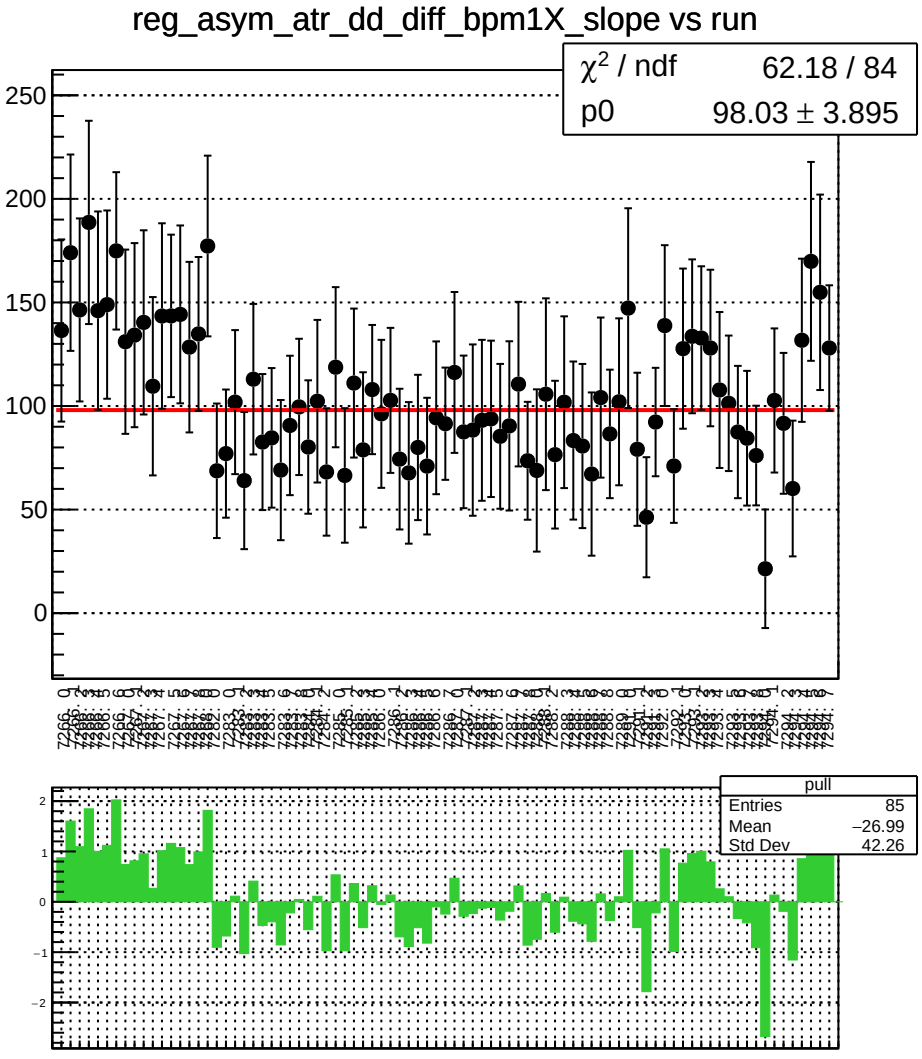

pull1D
Entries 85
Mean 0.1327
Std Dev 0.9742

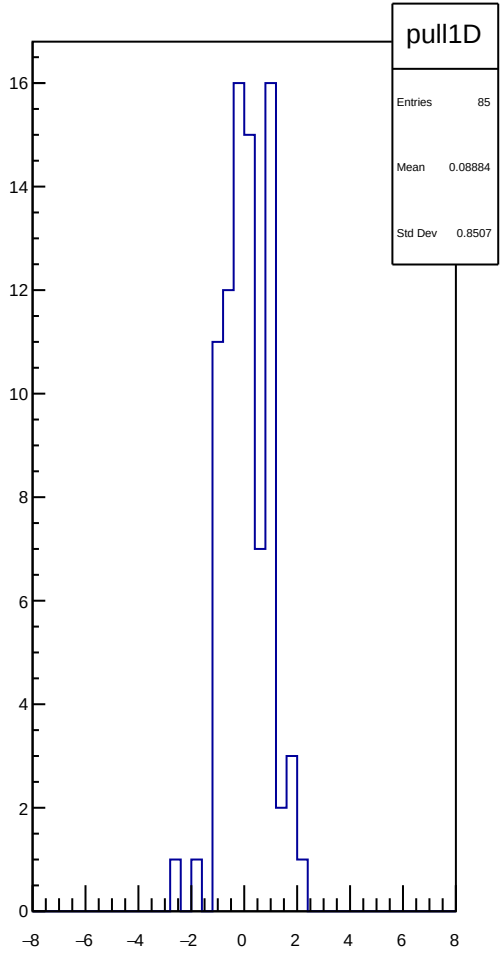

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 31.08 / 84
p0 109.1 ± 4.252
pull
Entries 85
Mean 67.44
Std Dev 162.1

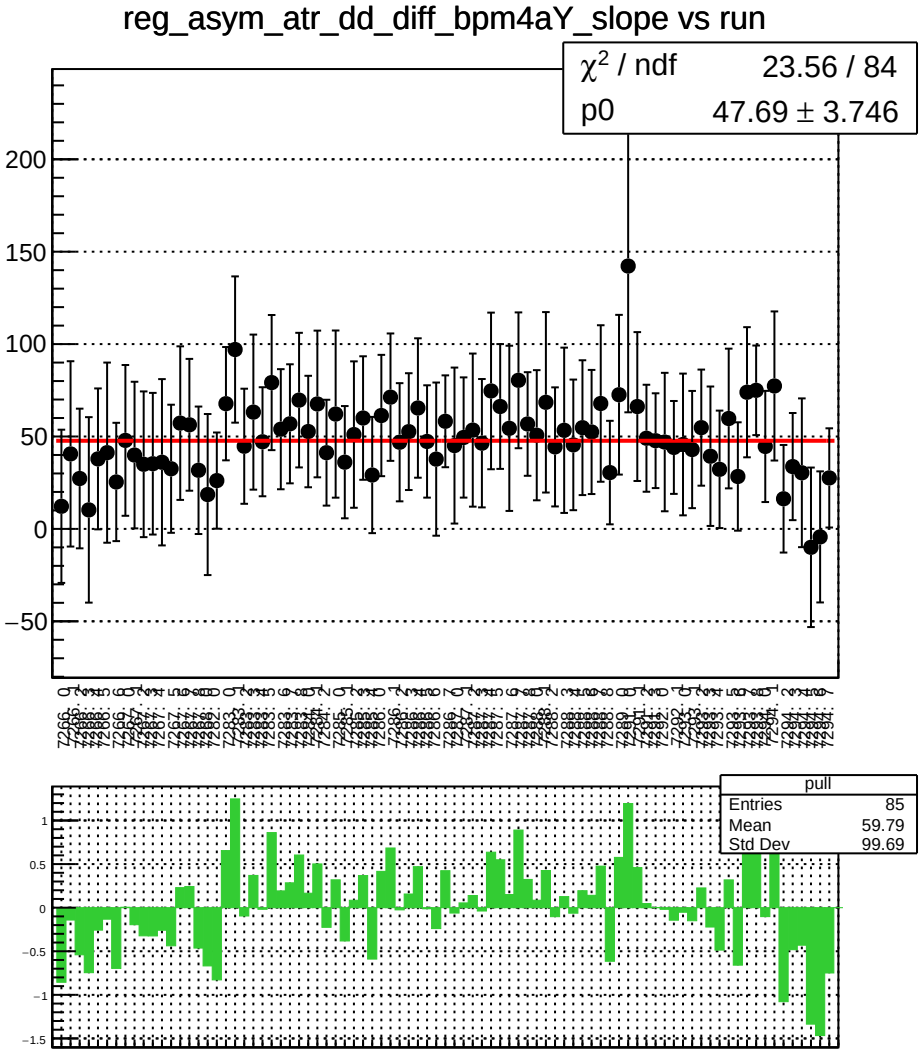

pull1D
Entries 85
Mean 0.007437
Std Dev 0.6046

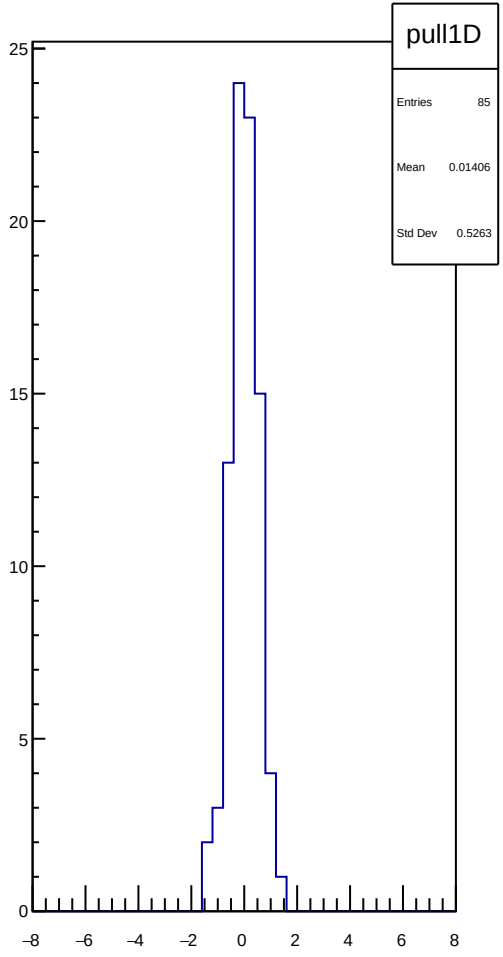

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ^2 / ndf 121.2 / 84
p0 −135 ± 0.2051
pull
Entries 85
Mean −277.9
Std Dev 322.1

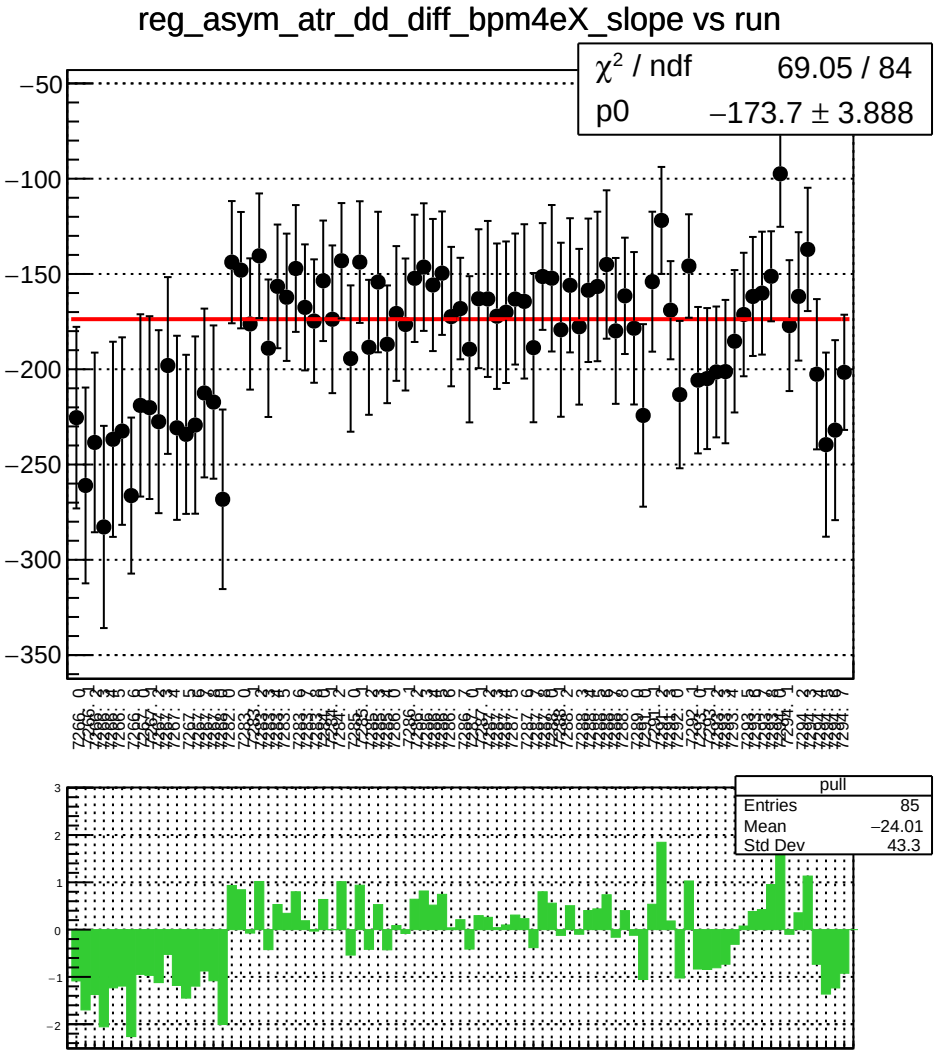

pull1D
Entries 85
Mean −0.06391
Std Dev 1.192

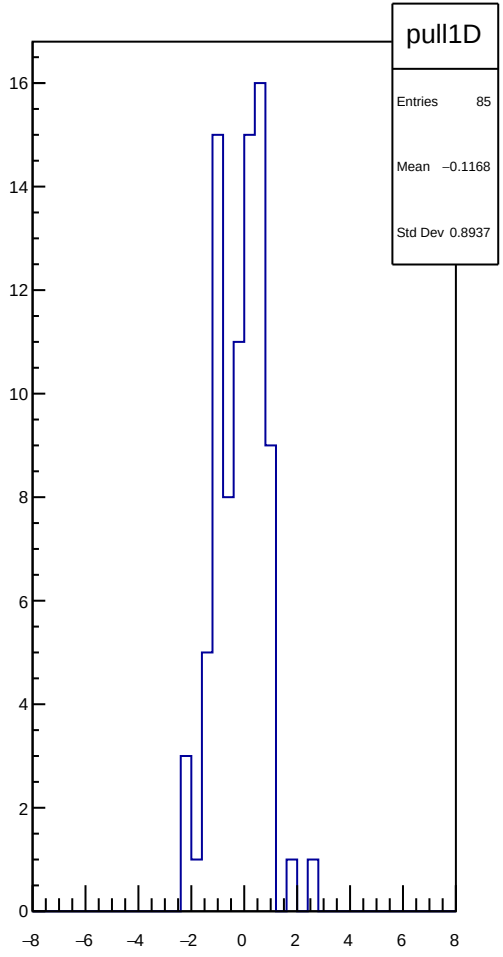

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ^2 / ndf 62.18 / 84
p0 98.03 ± 3.895
pull
Entries 85
Mean −26.99
Std Dev 42.26

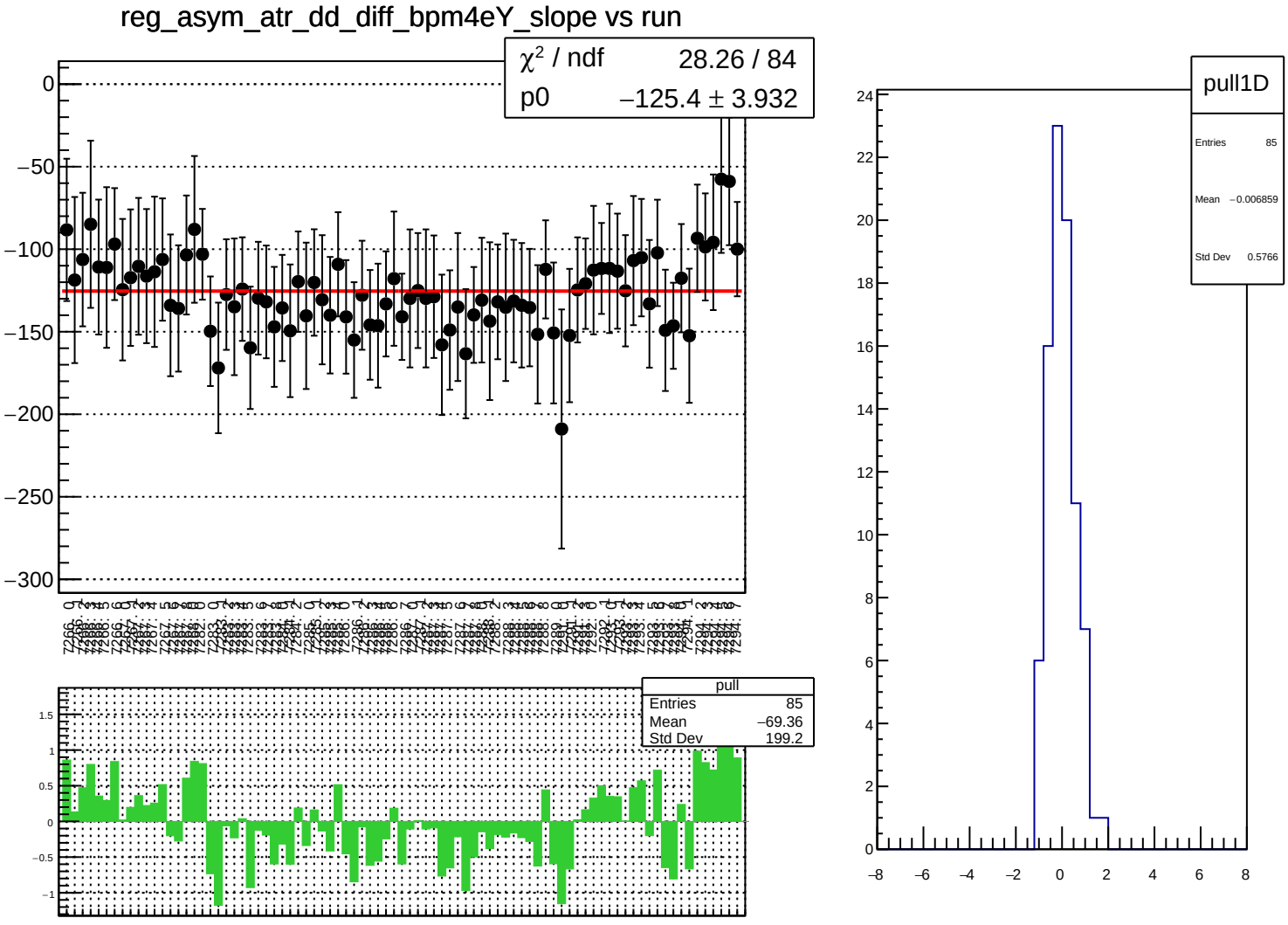

pull1D
Entries 85
Mean 0.08884
Std Dev 0.8507

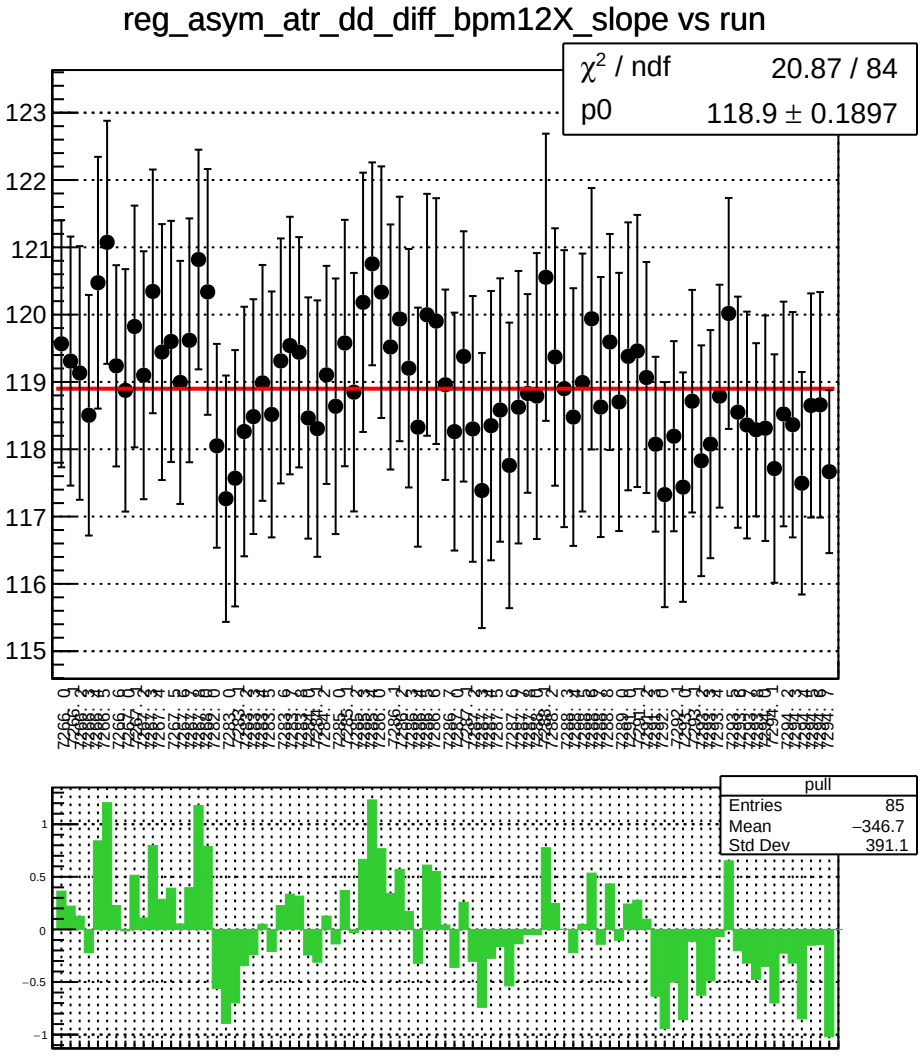

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 23.56 / 84
p0 47.69 ± 3.746
pull
Entries 85
Mean 59.79
Std Dev 99.69

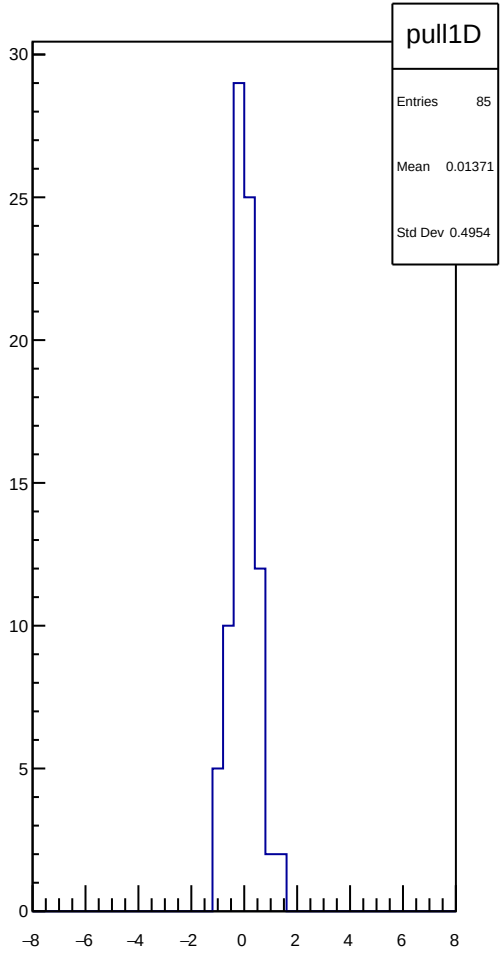

pull1D
Entries 85
Mean 0.01406
Std Dev 0.5263

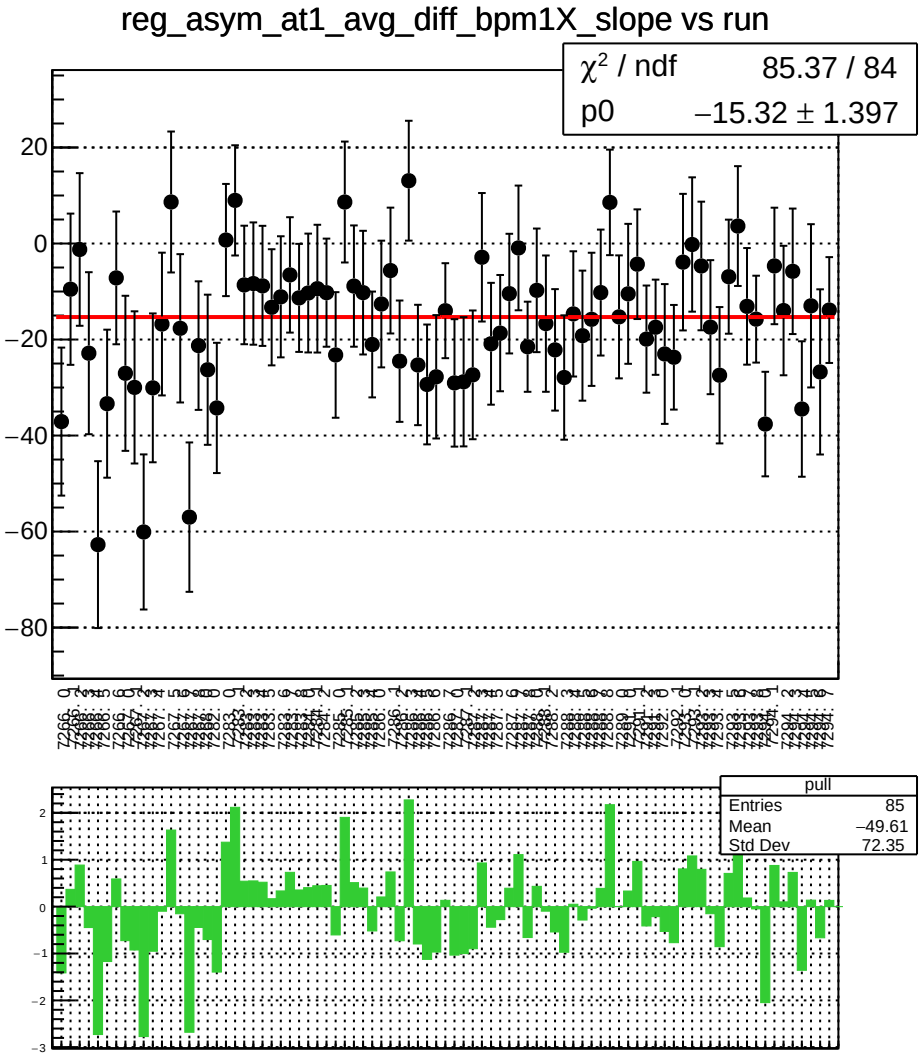

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 69.05 / 84
p0 −173.7 ± 3.888
pull
Entries 85
Mean −24.01
Std Dev 43.3

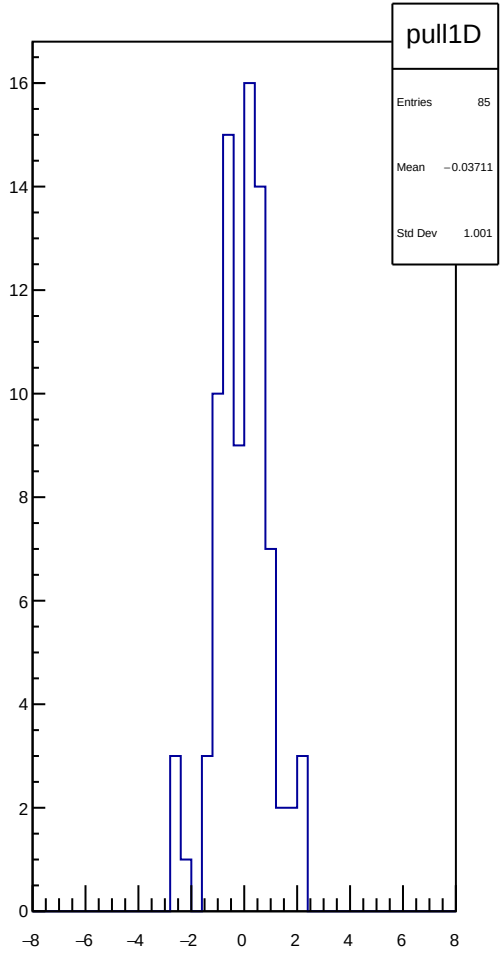

pull1D
Entries 85
Mean −0.1168
Std Dev 0.8937

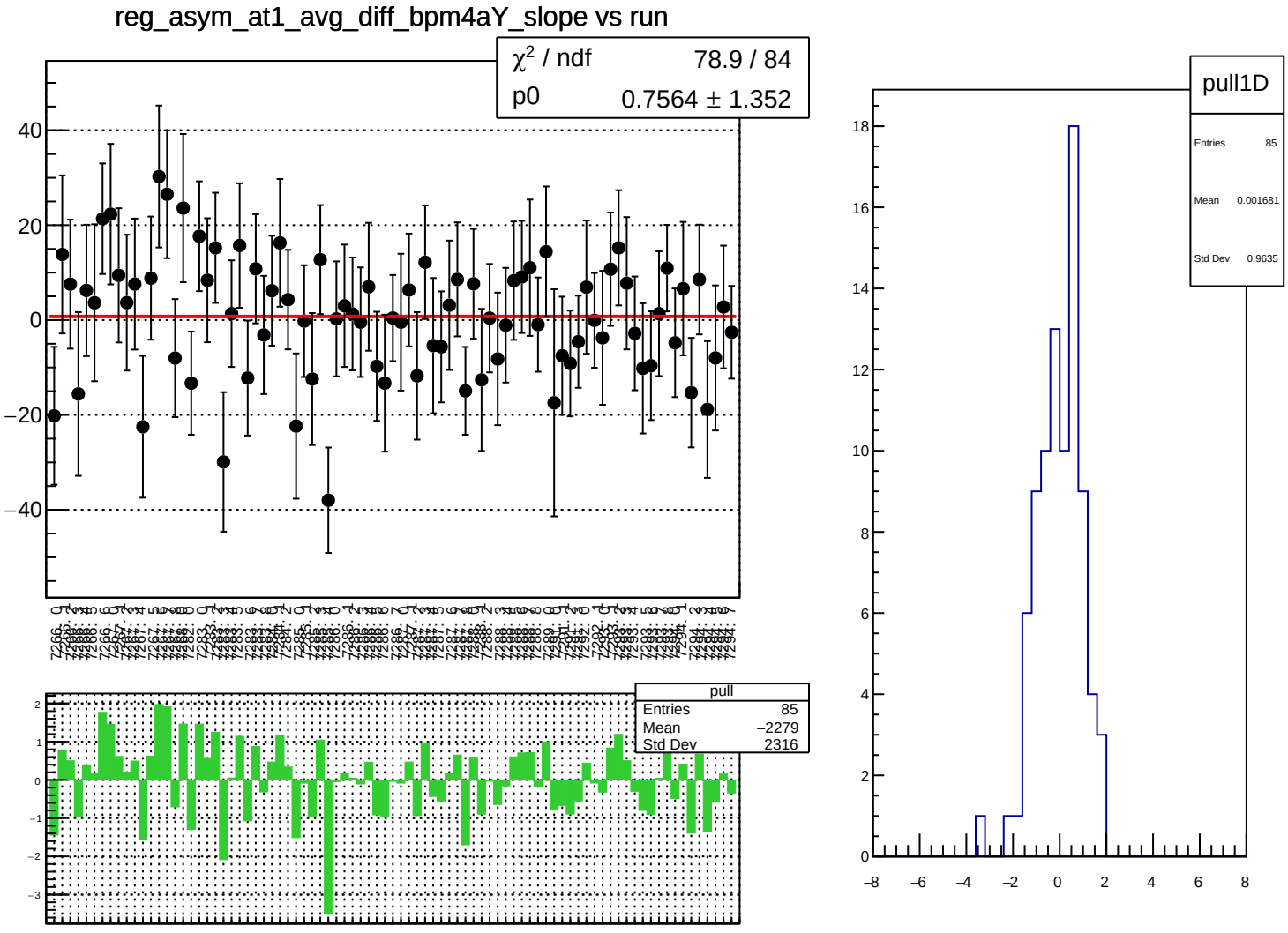

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 28.26 / 84
p0 −125.4 ± 3.932
pull
Entries 85
Mean −69.36
Std Dev 199.2
pull1D
Entries 85
Mean −0.006859
Std Dev 0.5766

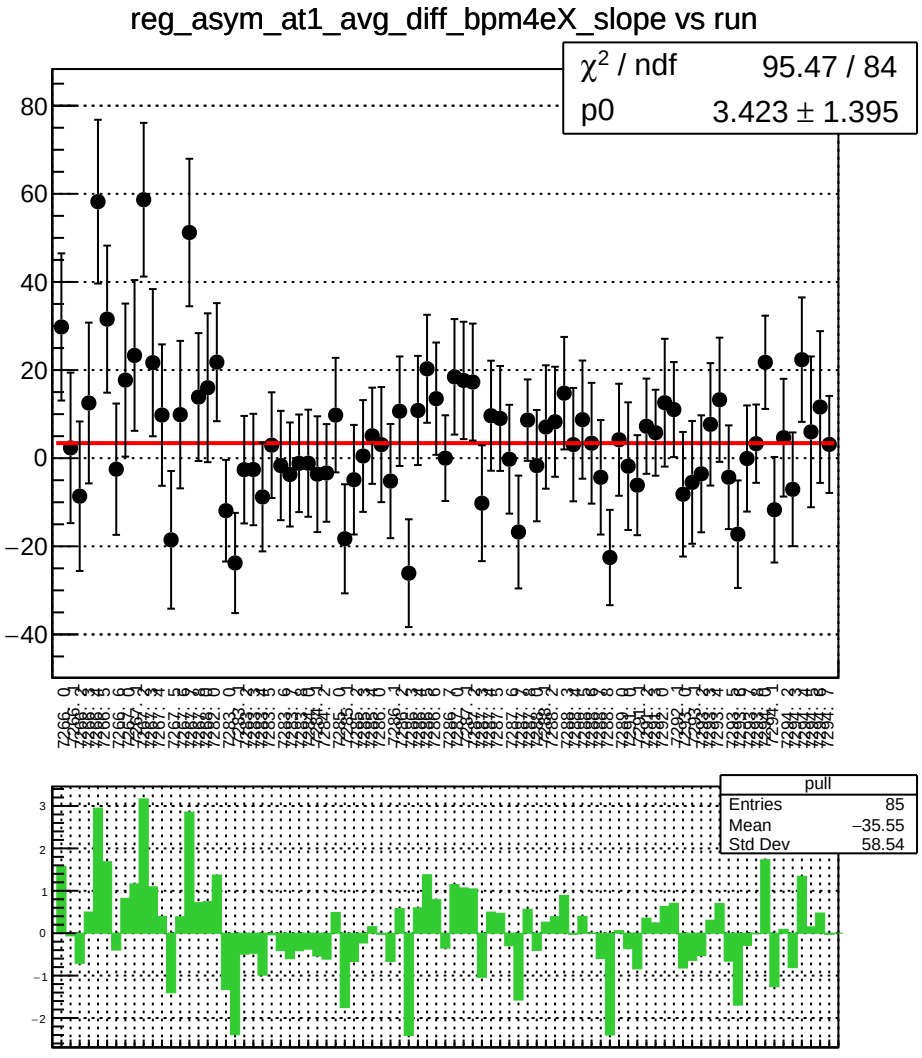

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 20.87 / 84
p0 118.9 ± 0.1897
pull
Entries 85
Mean −346.7
Std Dev 391.1

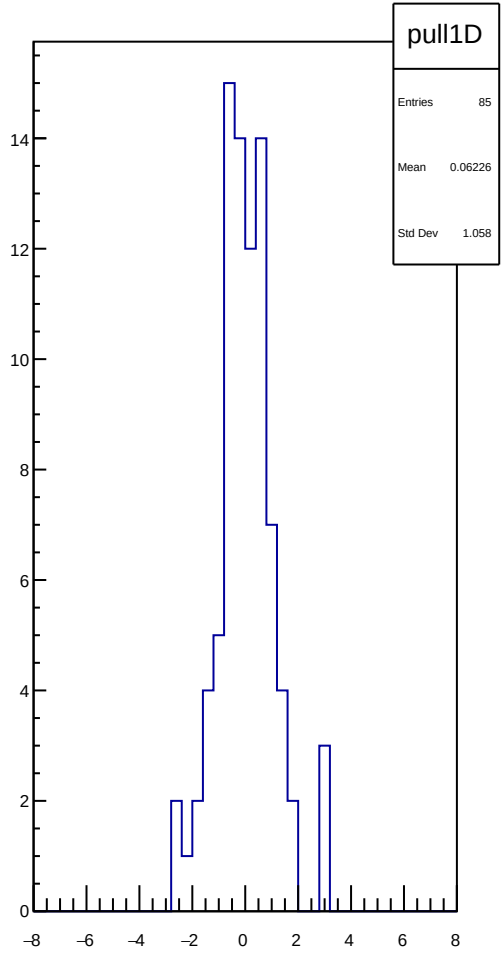

pull1D
Entries 85
Mean 0.01371
Std Dev 0.4954

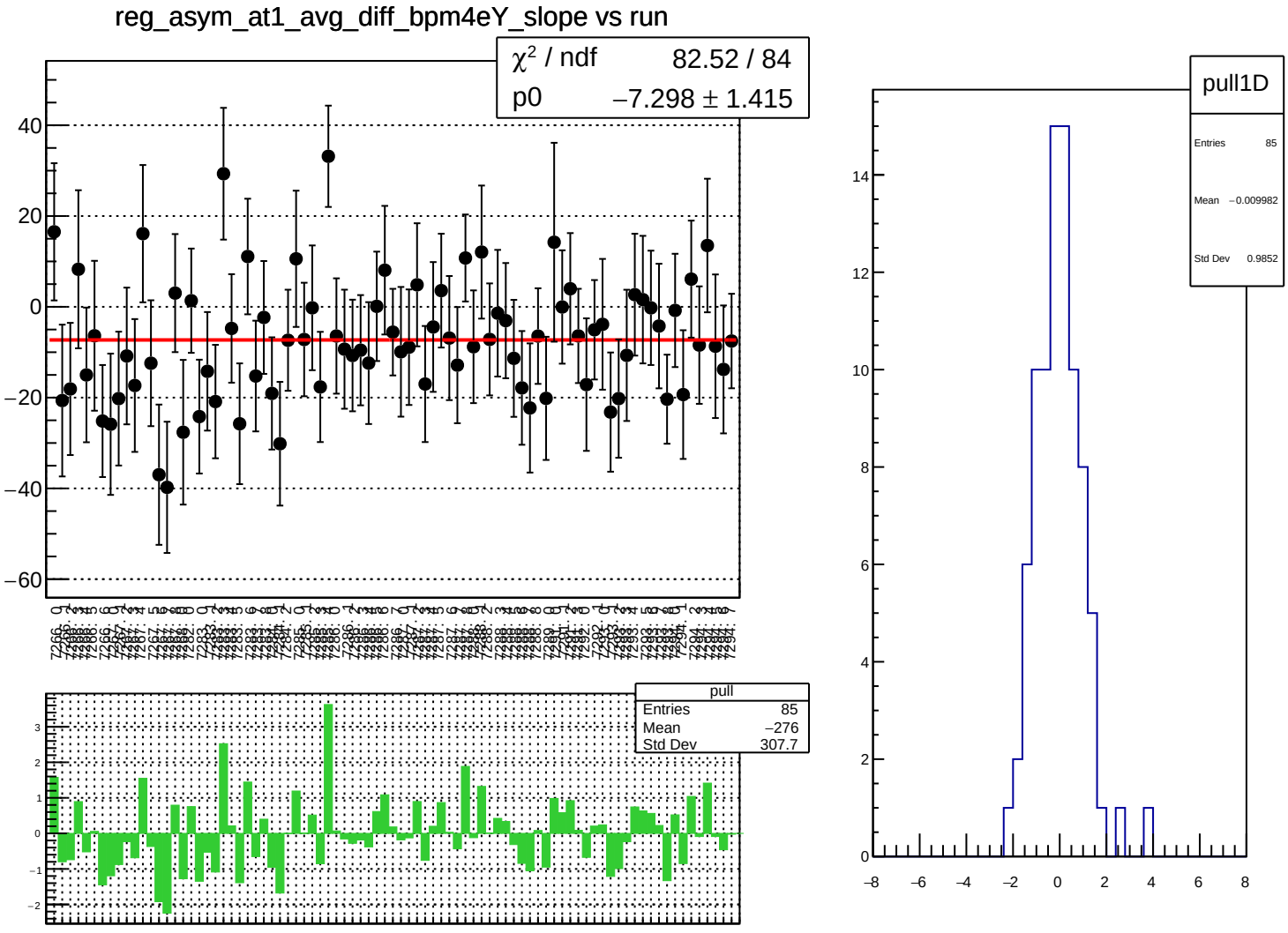

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 85.37 / 84
p0 −15.32 ± 1.397
pull
Entries 85
Mean −49.61
Std Dev 72.35

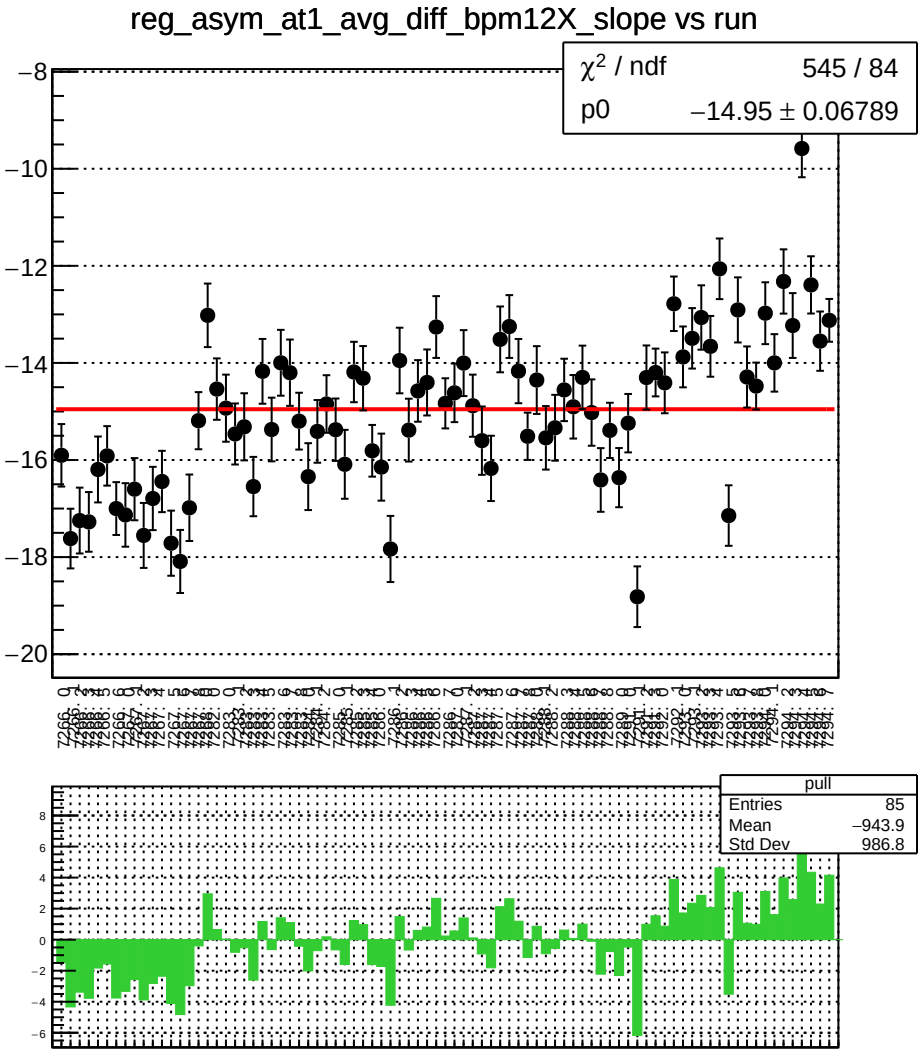

pull1D
Entries 85
Mean −0.03711
Std Dev 1.001

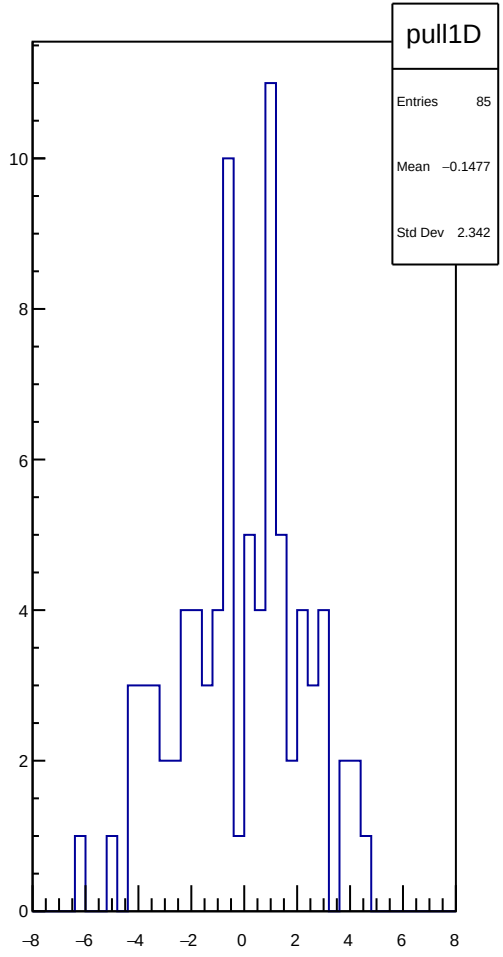

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 78.9 / 84
p0 0.7564 ± 1.352
pull
Entries 85
Mean −2279
Std Dev 2316
pull1D
Entries 85
Mean 0.001681
Std Dev 0.9635

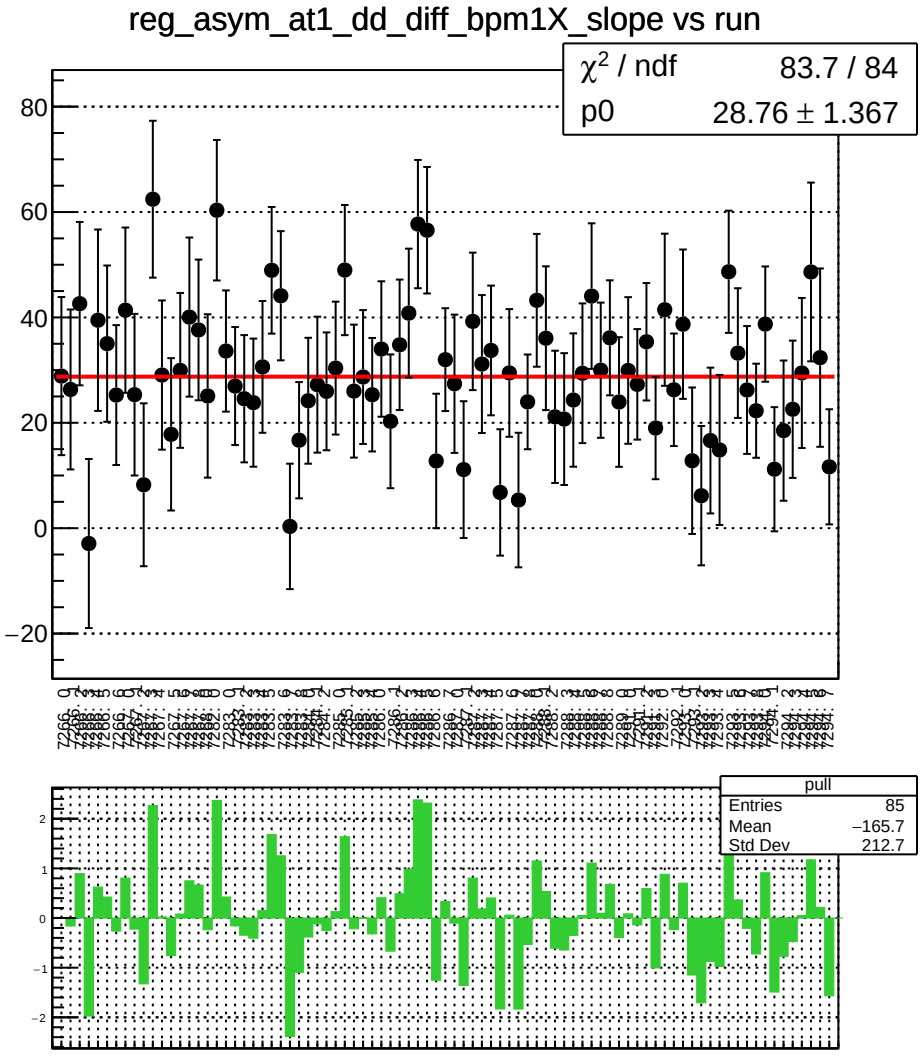

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 95.47 / 84
p0 3.423 ± 1.395
pull
Entries 85
Mean −35.55
Std Dev 58.54

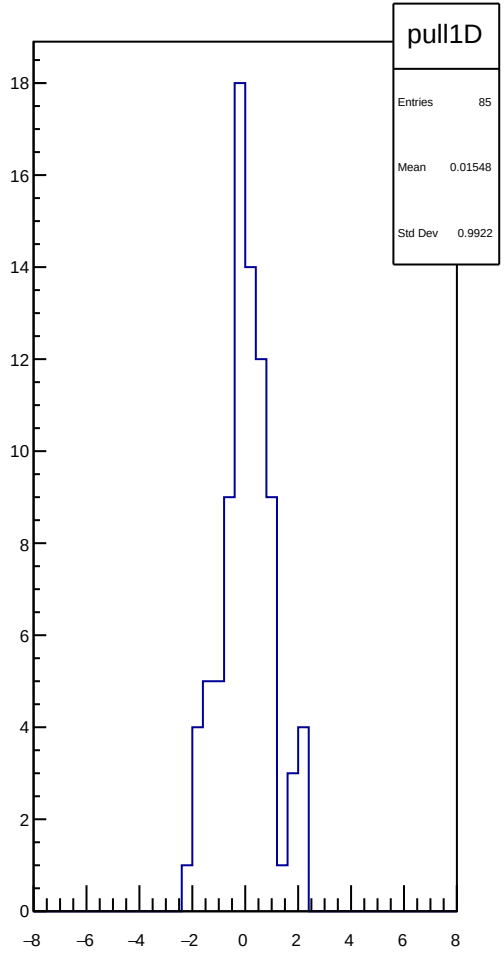

pull1D
Entries 85
Mean 0.06226
Std Dev 1.058

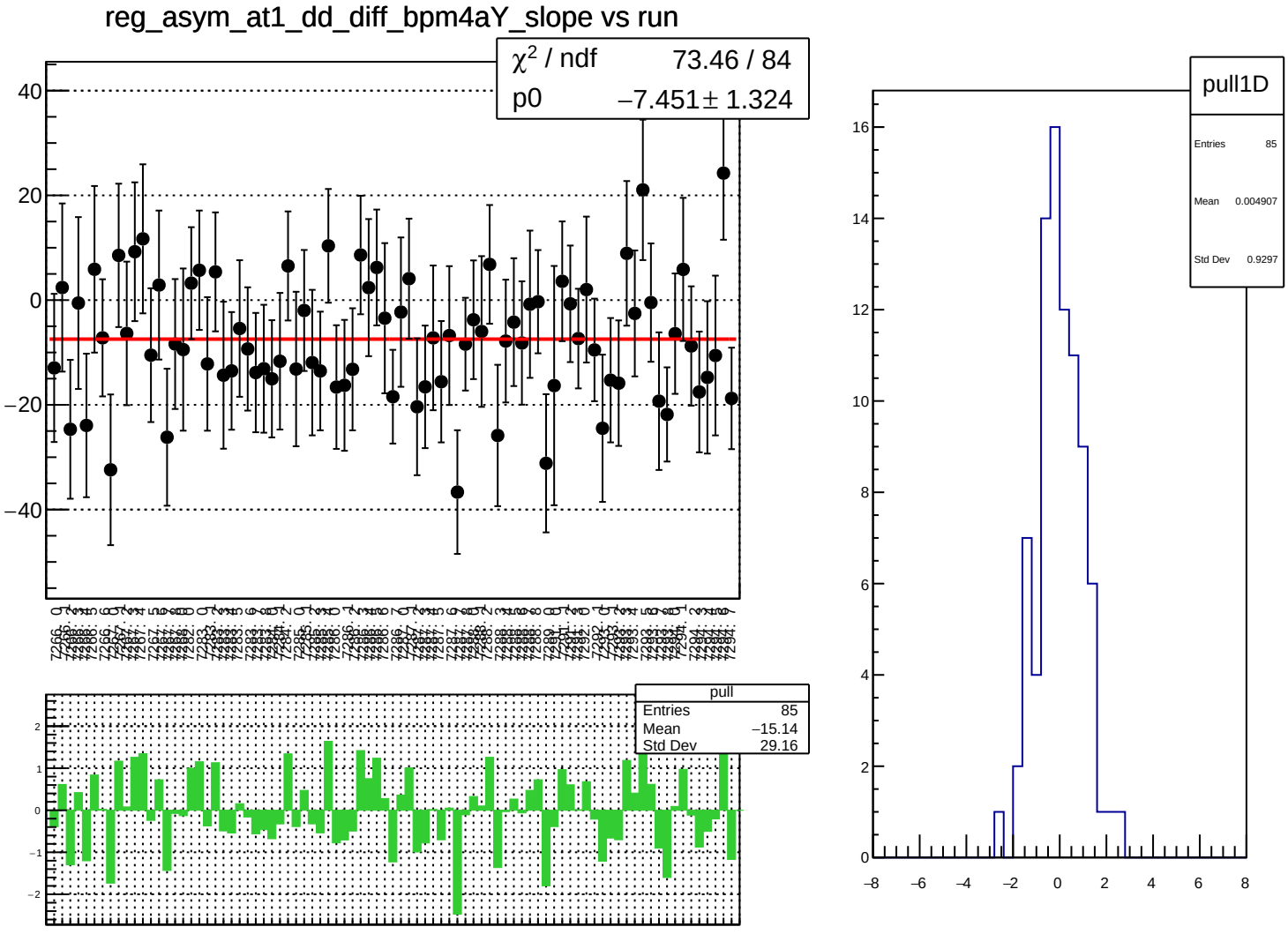

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 82.52 / 84
p0 −7.298 ± 1.415
pull
Entries 85
Mean −276
Std Dev 307.7
pull1D
Entries 85
Mean −0.009982
Std Dev 0.9852

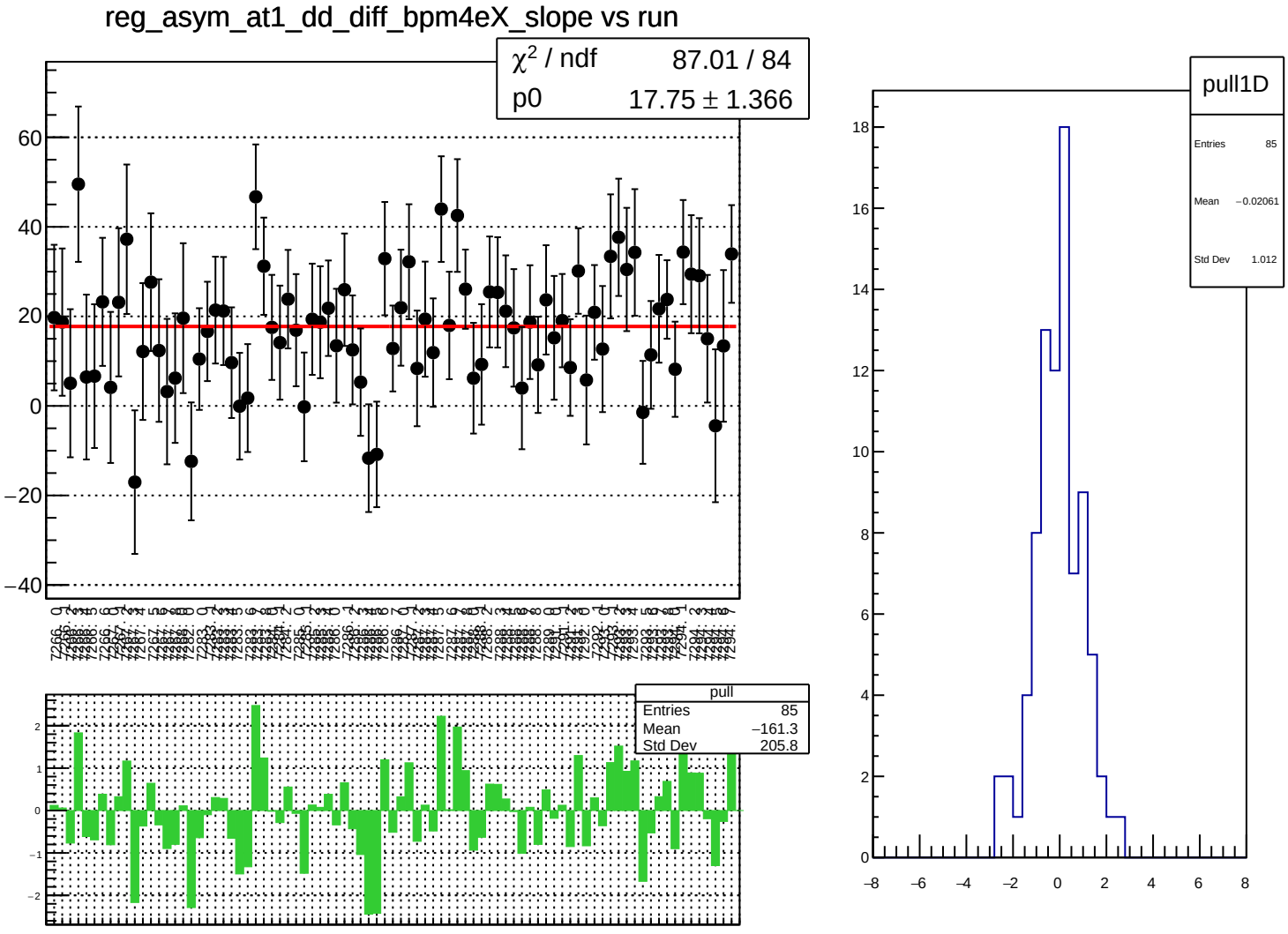

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 545 / 84
p0 −14.95 ± 0.06789
pull
Entries 85
Mean −943.9
Std Dev 986.8

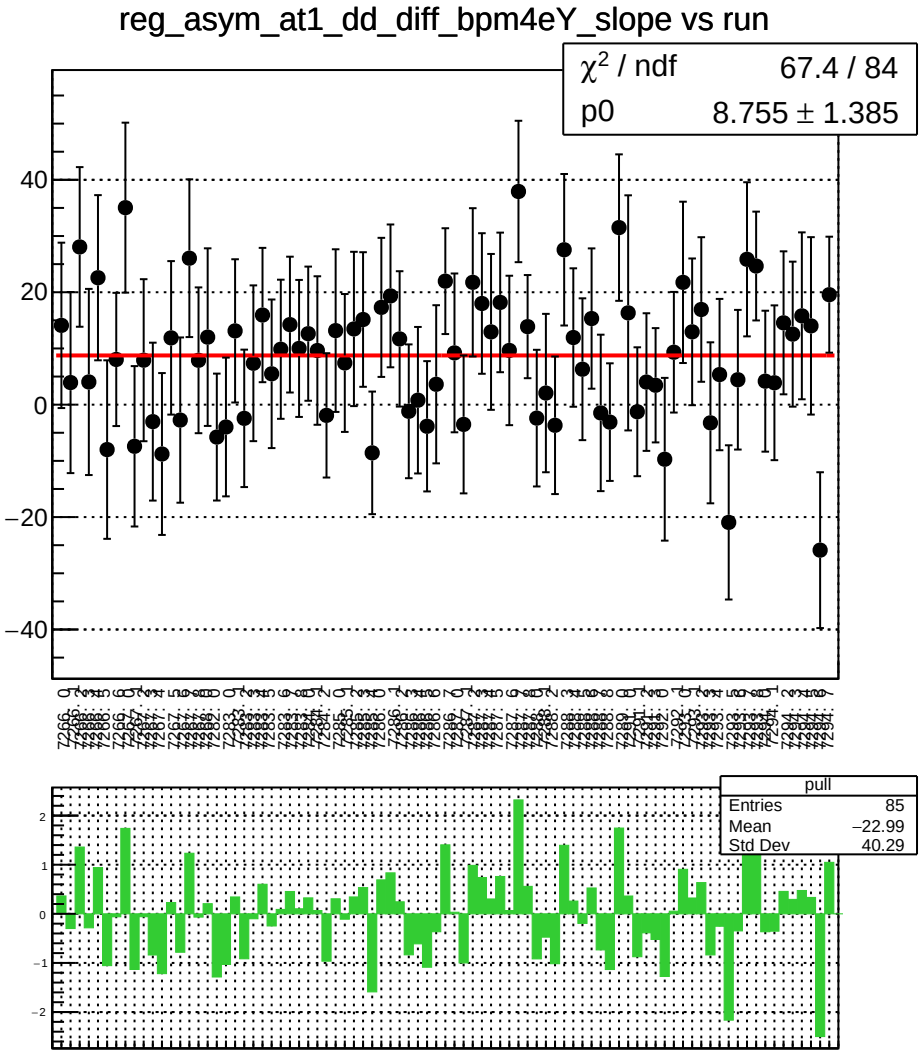

pull1D
Entries 85
Mean −0.1477
Std Dev 2.342

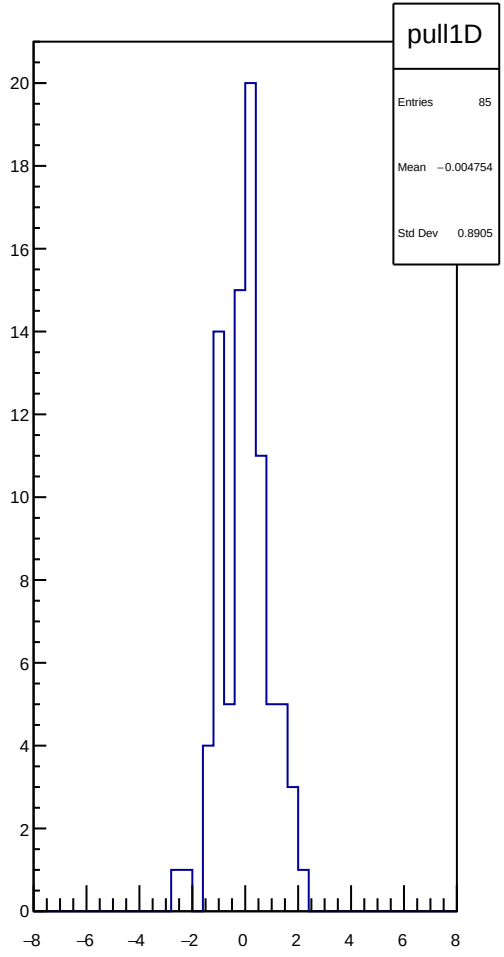

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ^2 / ndf 83.7 / 84
p0 28.76 ± 1.367
pull
Entries 85
Mean −165.7
Std Dev 212.7

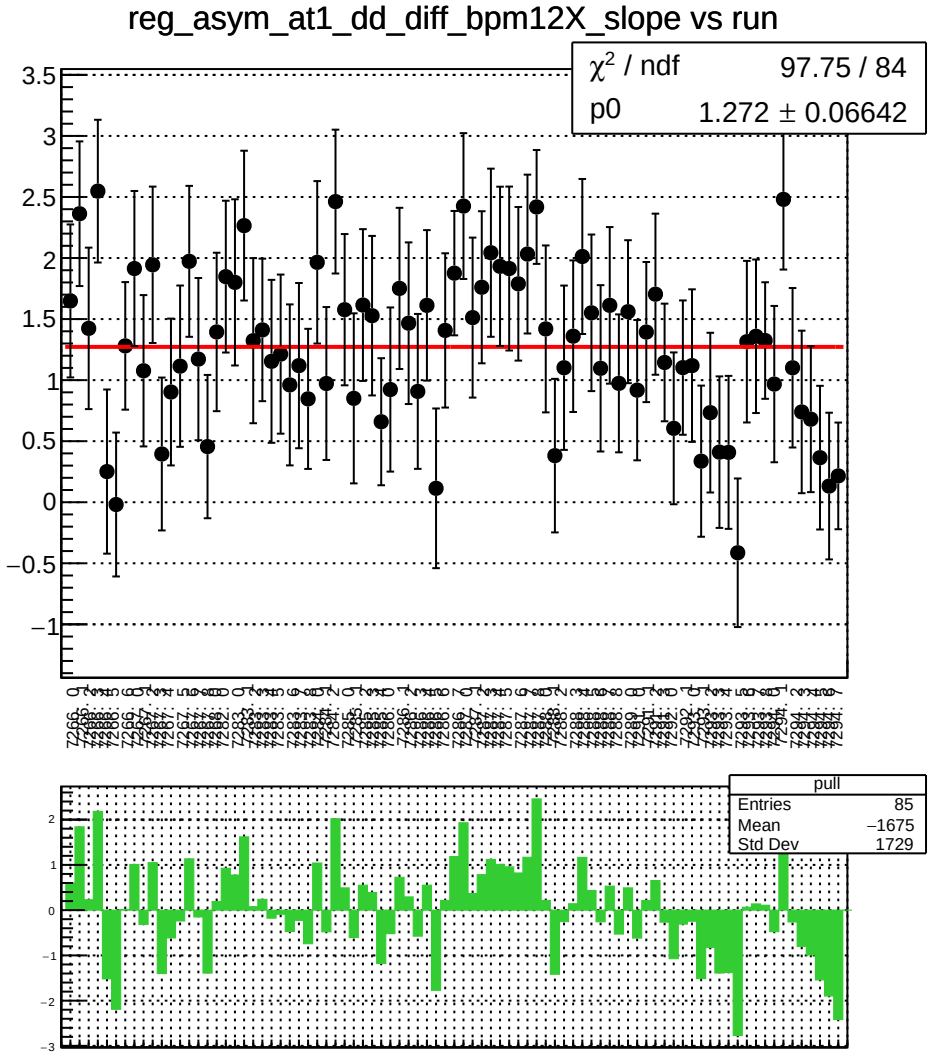

pull1D
Entries 85
Mean 0.01548
Std Dev 0.9922

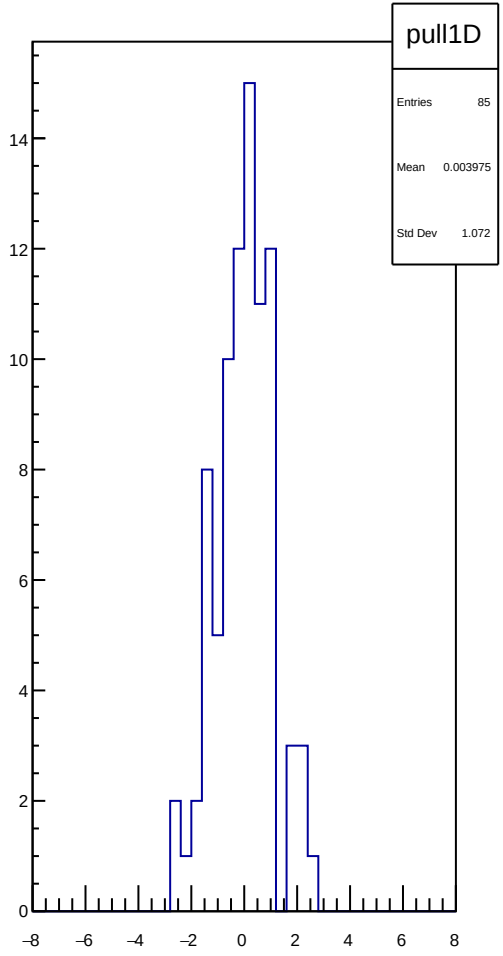

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 73.46 / 84
p0 −7.451 ± 1.324
pull
Entries 85
Mean −15.14
Std Dev 29.16
pull1D
Entries 85
Mean 0.004907
Std Dev 0.9297

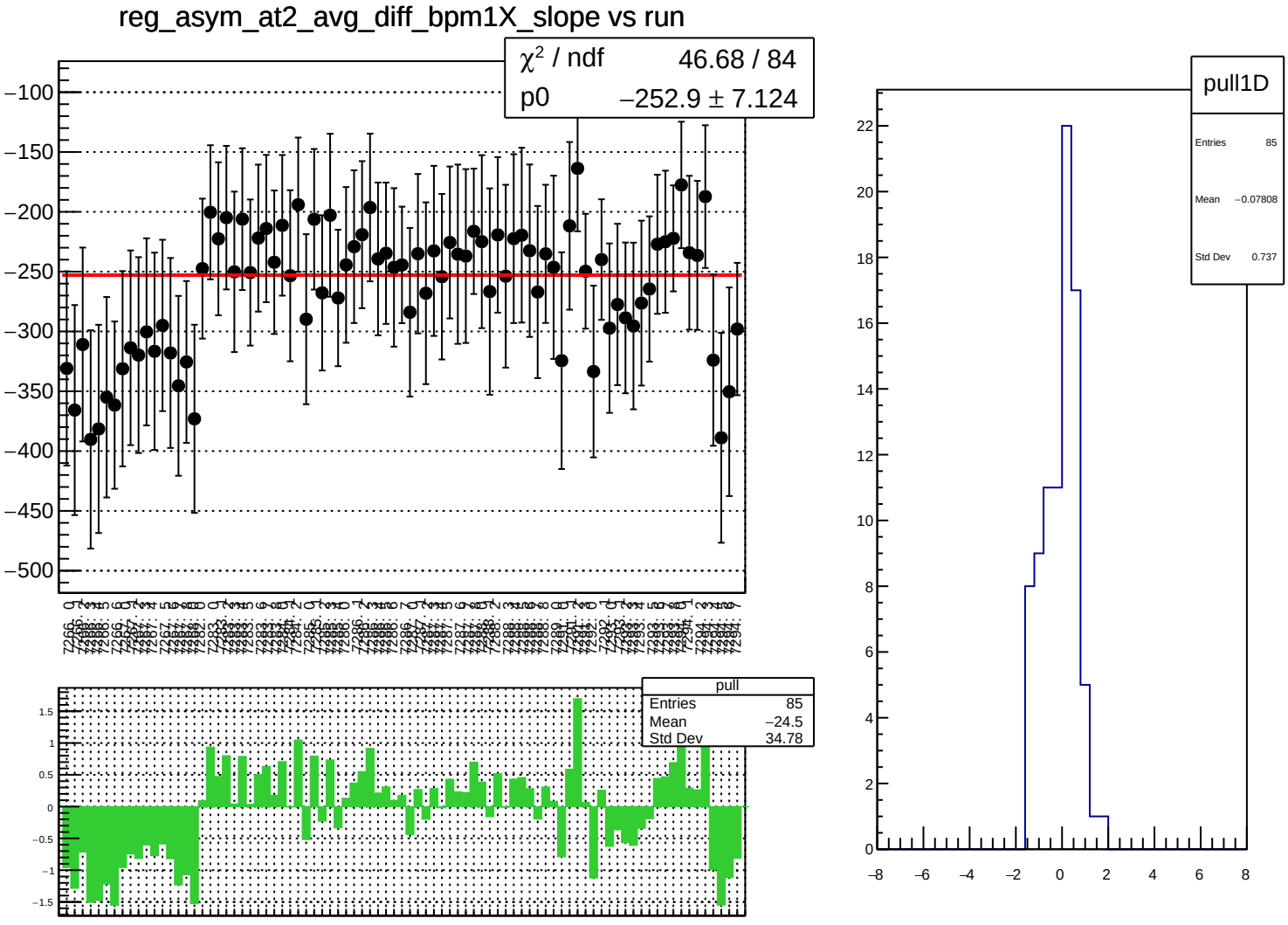

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 87.01 / 84
p0 17.75 ± 1.366
pull
Entries 85
Mean −161.3
Std Dev 205.8
pull1D
Entries 85
Mean −0.02061
Std Dev 1.012

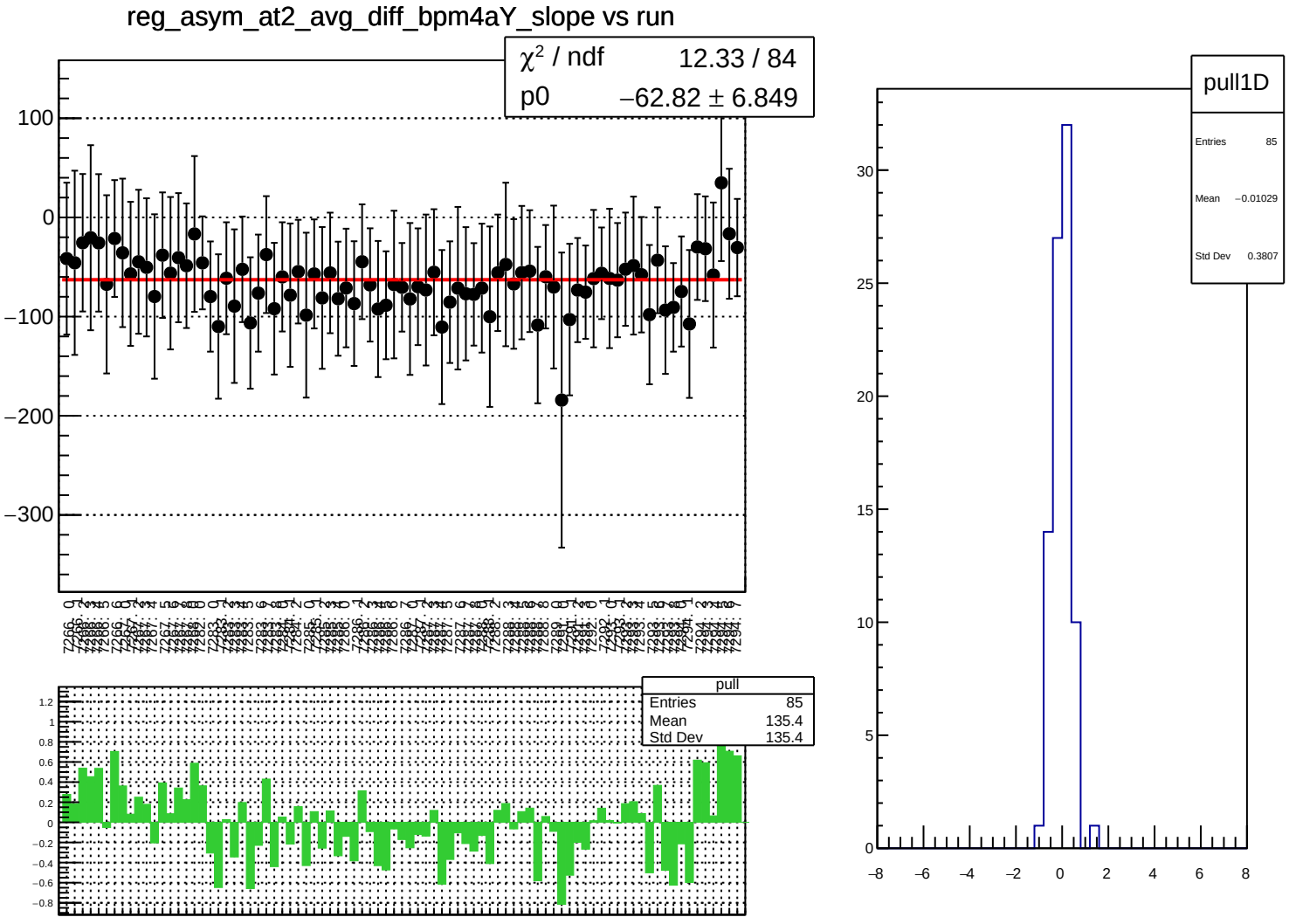

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 67.4 / 84
p0 8.755 ± 1.385
pull
Entries 85
Mean −22.99
Std Dev 40.29

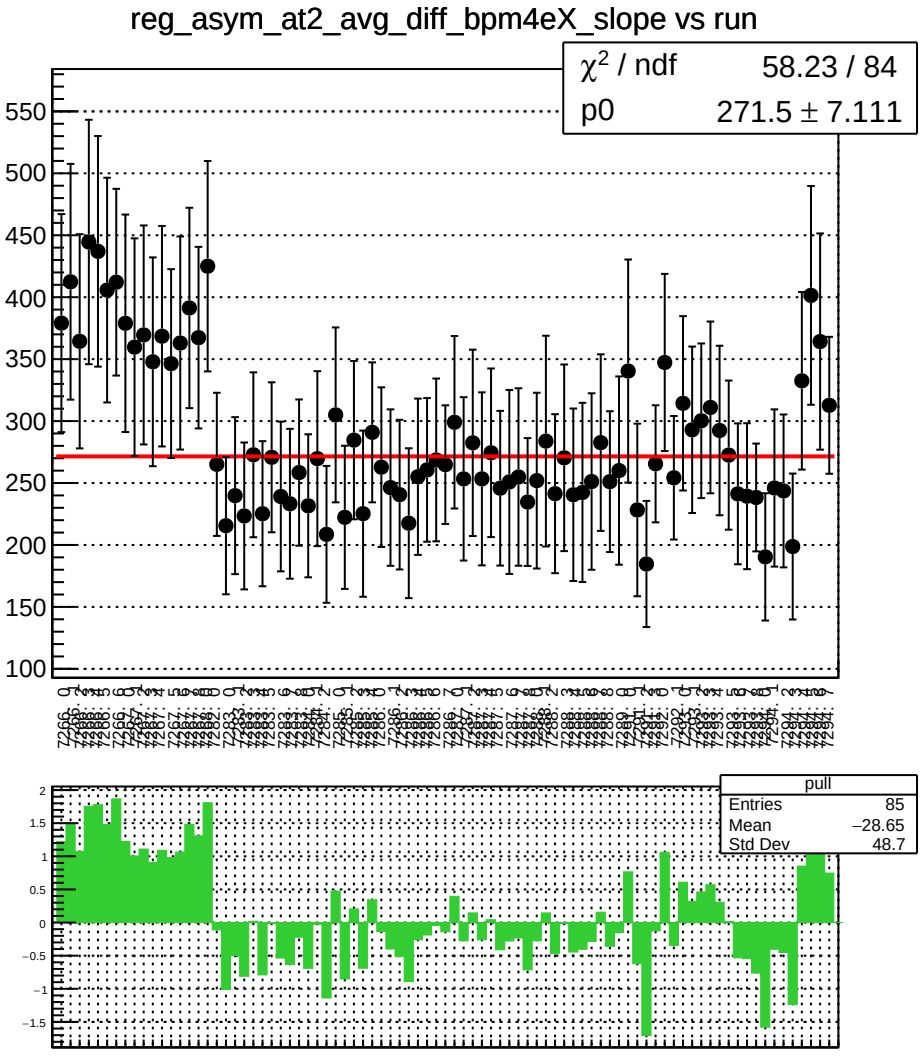

pull1D
Entries 85
Mean −0.004754
Std Dev 0.8905

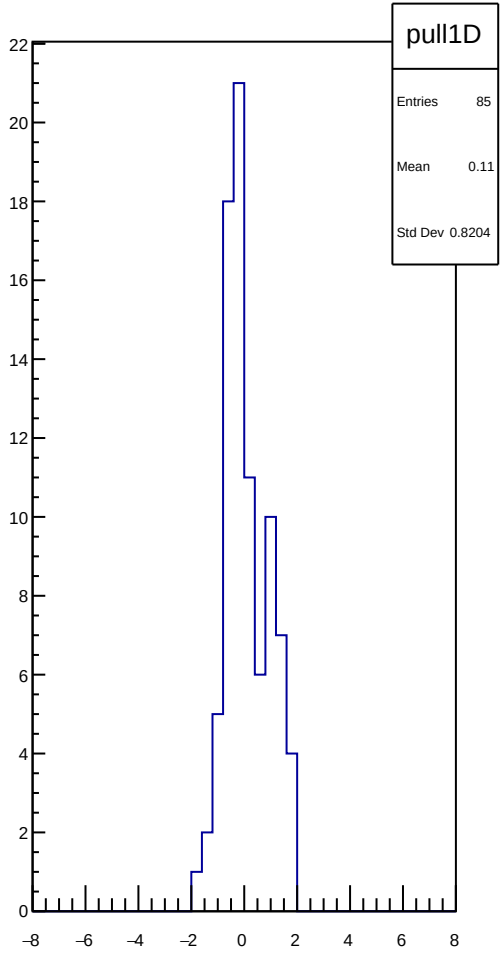

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 97.75 / 84
p0 1.272 ± 0.06642
pull
Entries 85
Mean −1675
Std Dev 1729

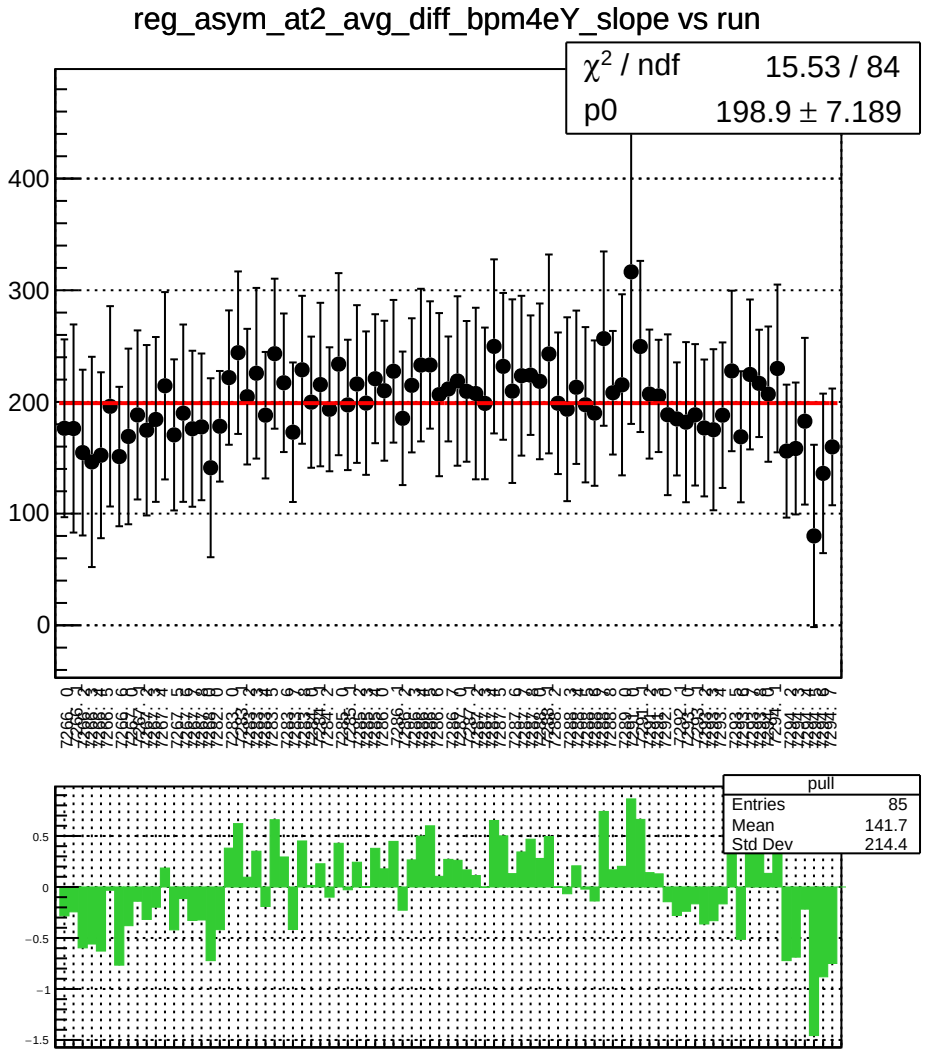

pull1D
Entries 85
Mean 0.003975
Std Dev 1.072

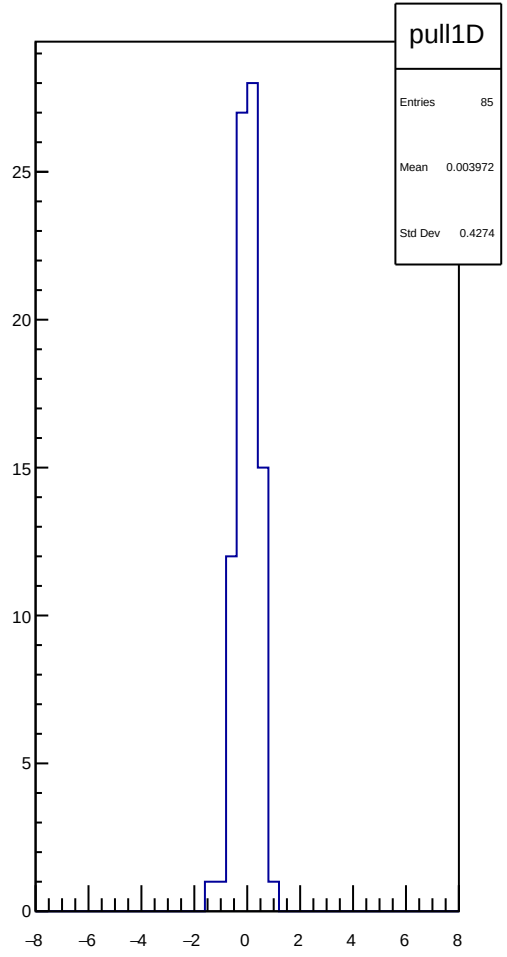

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 46.68 / 84
p0 −252.9 ± 7.124
pull
Entries 85
Mean −24.5
Std Dev 34.78
pull1D
Entries 85
Mean −0.07808
Std Dev 0.737

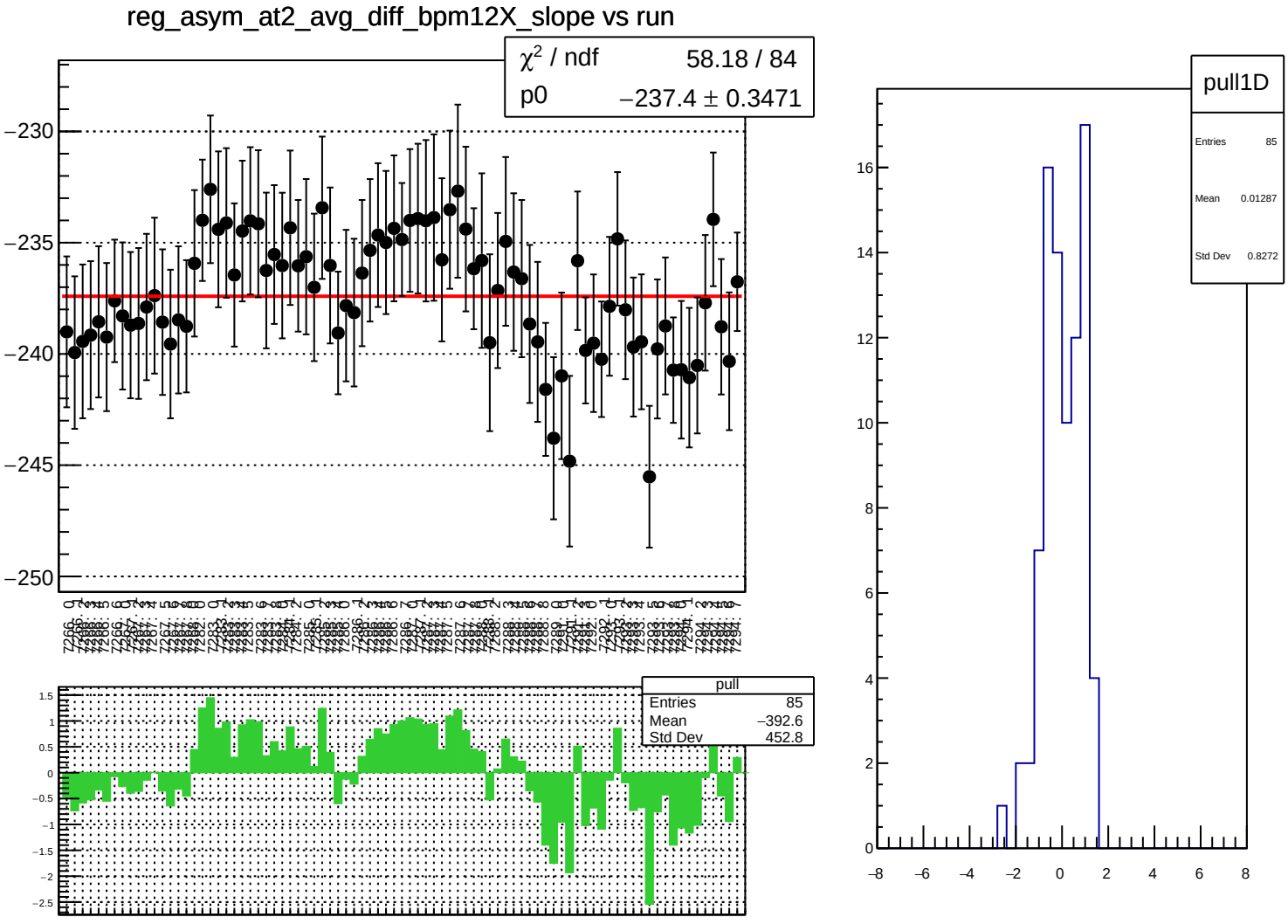

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.33 / 84
p0 −62.82 ± 6.849
pull
Entries 85
Mean 135.4
Std Dev 135.4
pull1D
Entries 85
Mean −0.01029
Std Dev 0.3807

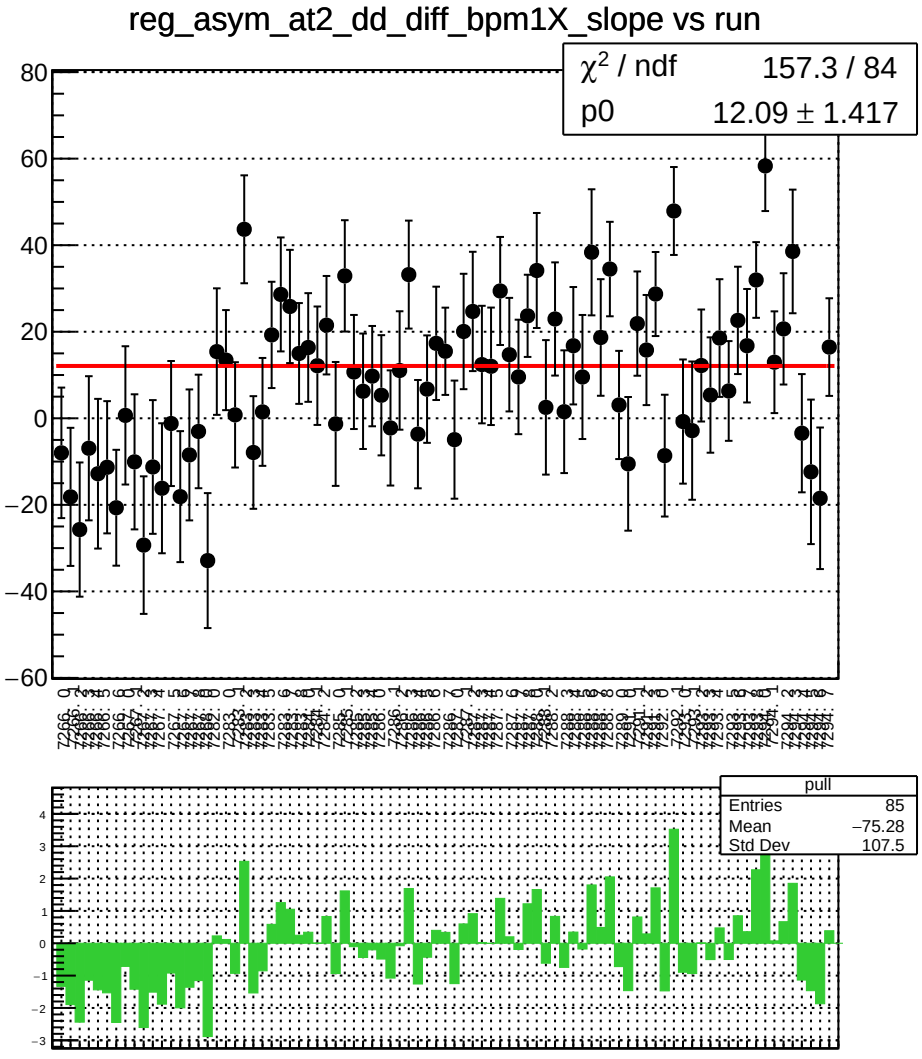

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 58.23 / 84
p0 271.5 ± 7.111
pull
Entries 85
Mean −28.65
Std Dev 48.7

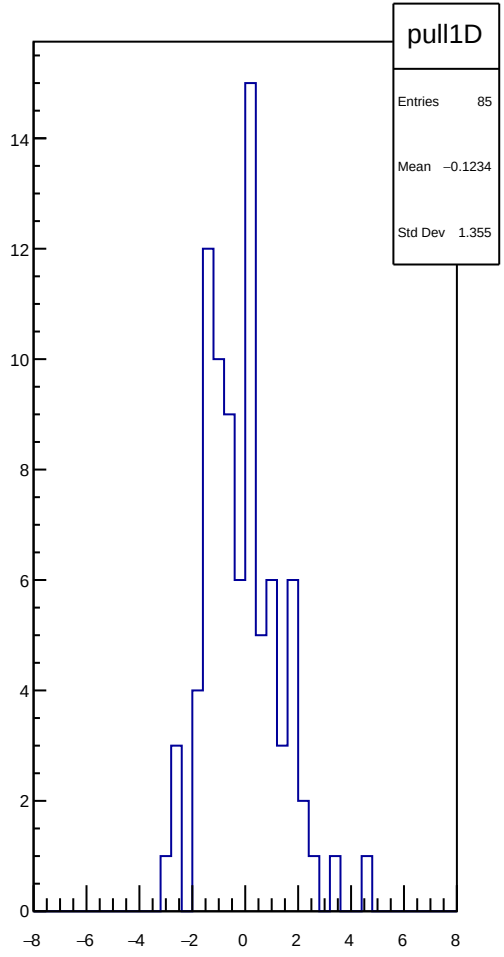

pull1D
Entries 85
Mean 0.11
Std Dev 0.8204

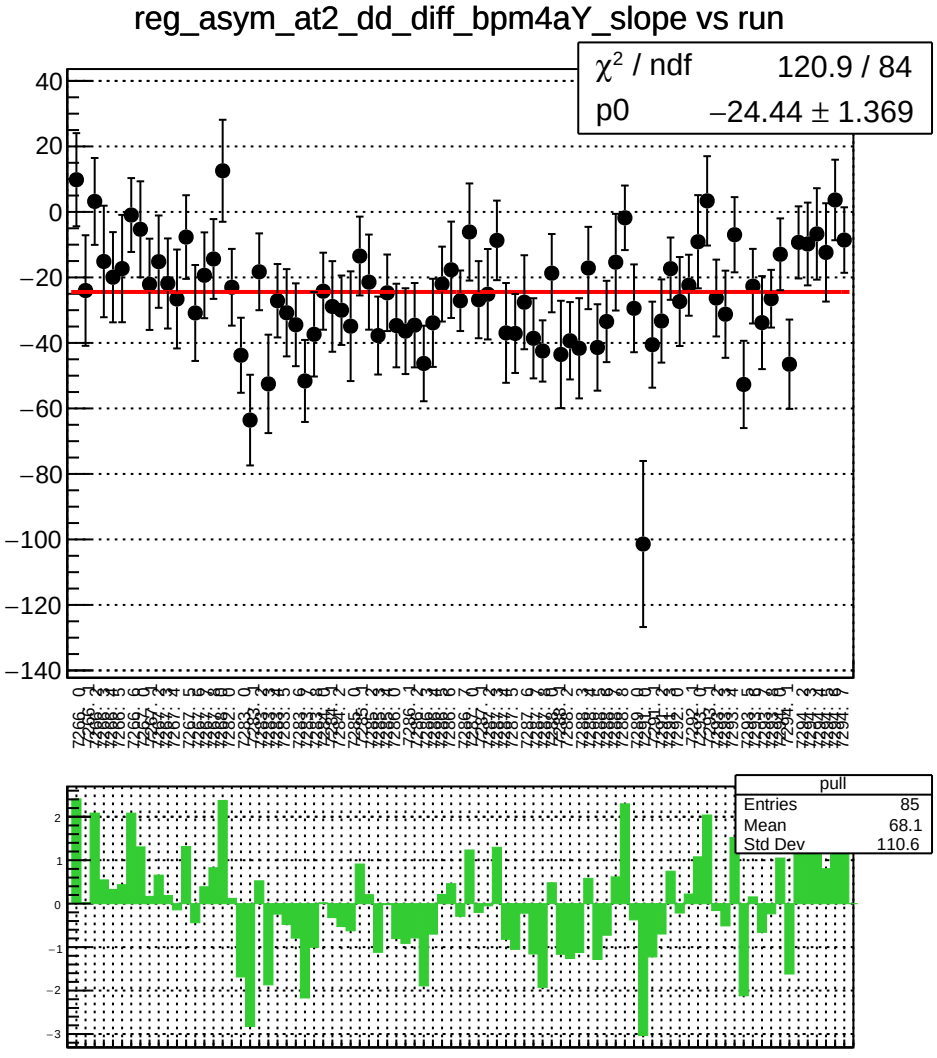

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 15.53 / 84
p0 198.9 ± 7.189
400
300
200
100
0
pull
Entries 85
Mean 141.7
Std Dev 214.4
0.5
0
−0.5
−1
−1.5

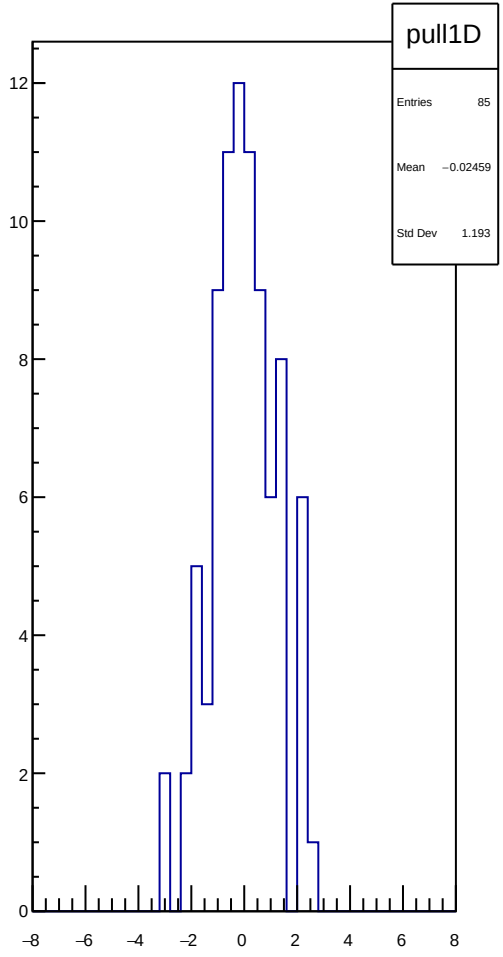

pull1D
Entries 85
Mean 0.003972
Std Dev 0.4274
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

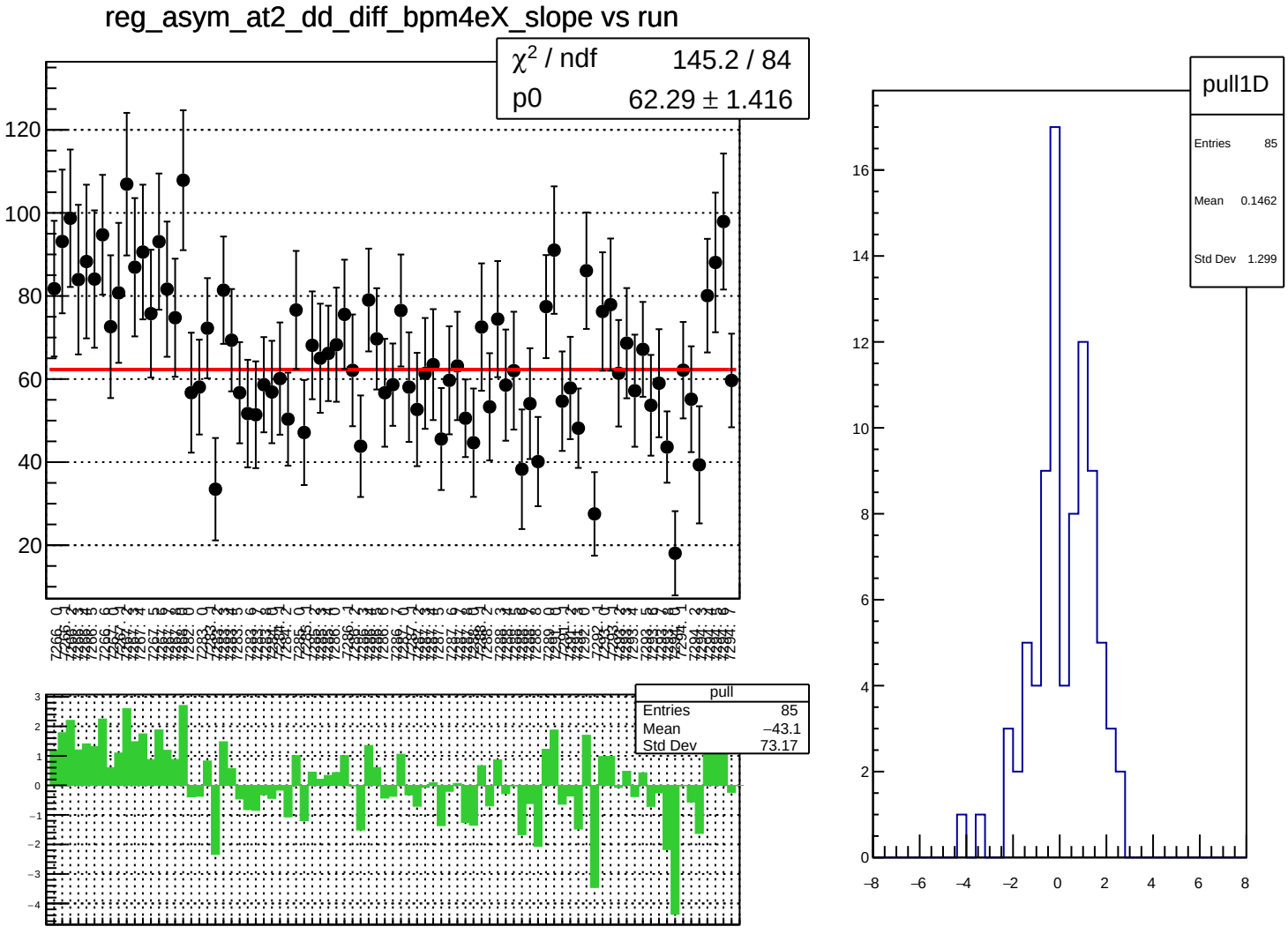

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 58.18 / 84
p0 −237.4 ± 0.3471
−230
−235
−240
−245
−250
pull
Entries 85
Mean −392.6
Std Dev 452.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 85
Mean 0.01287
Std Dev 0.8272
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

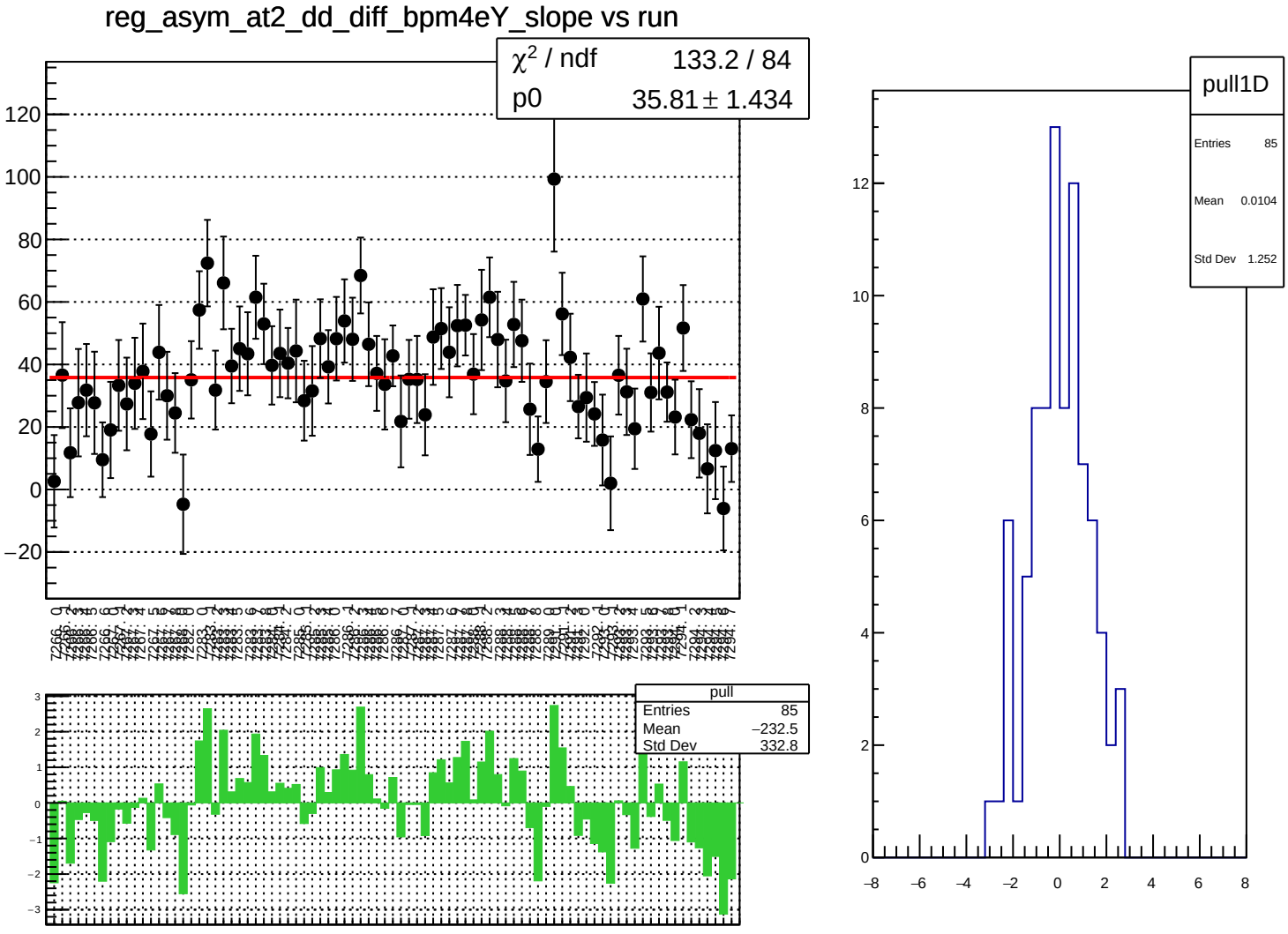

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 157.3 / 84
p0 12.09 ± 1.417
pull
Entries 85
Mean −75.28
Std Dev 107.5

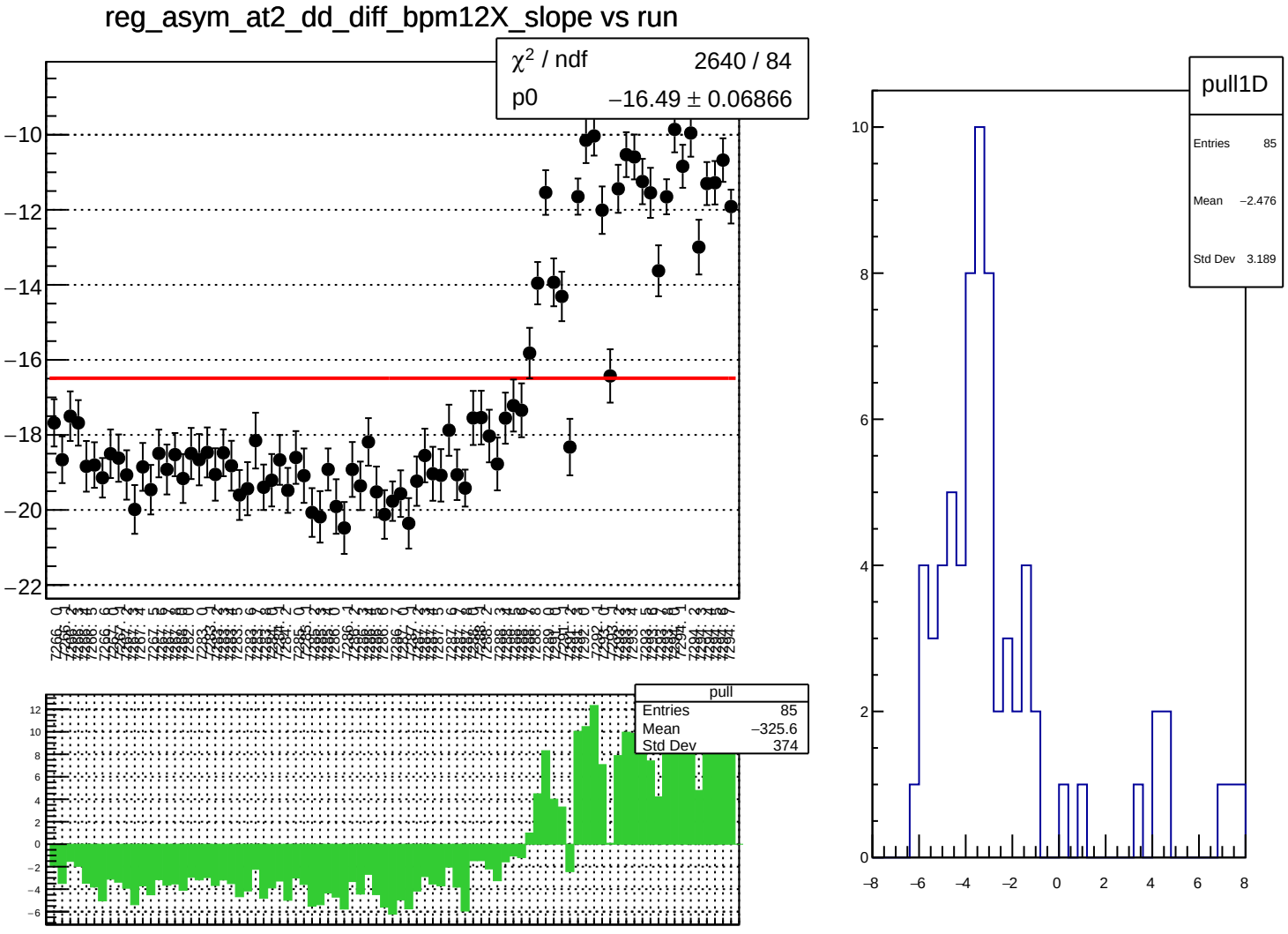

pull1D
Entries 85
Mean −0.1234
Std Dev 1.355

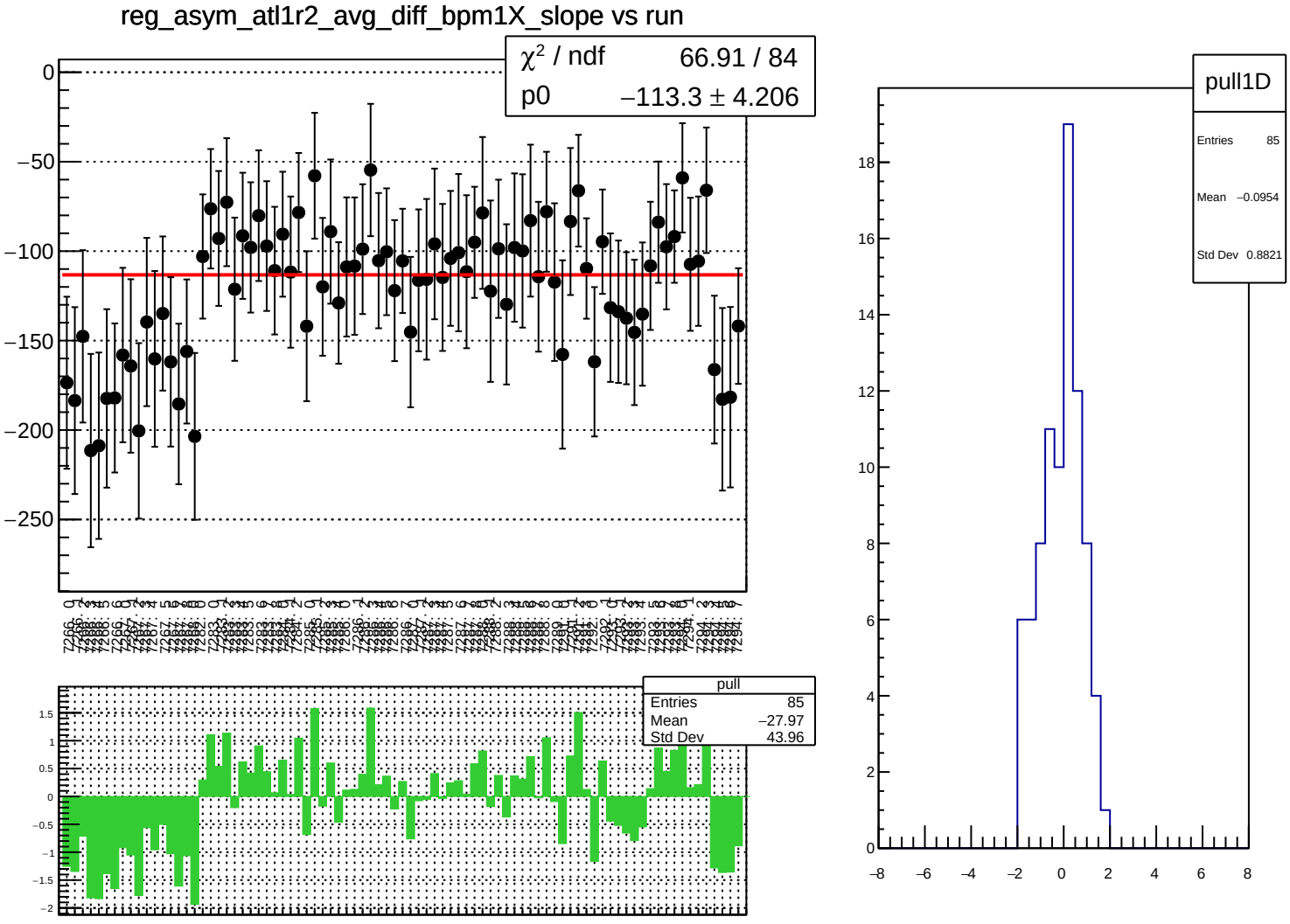

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 120.9 / 84
p0 −24.44 ± 1.369
pull
Entries 85
Mean 68.1
Std Dev 110.6

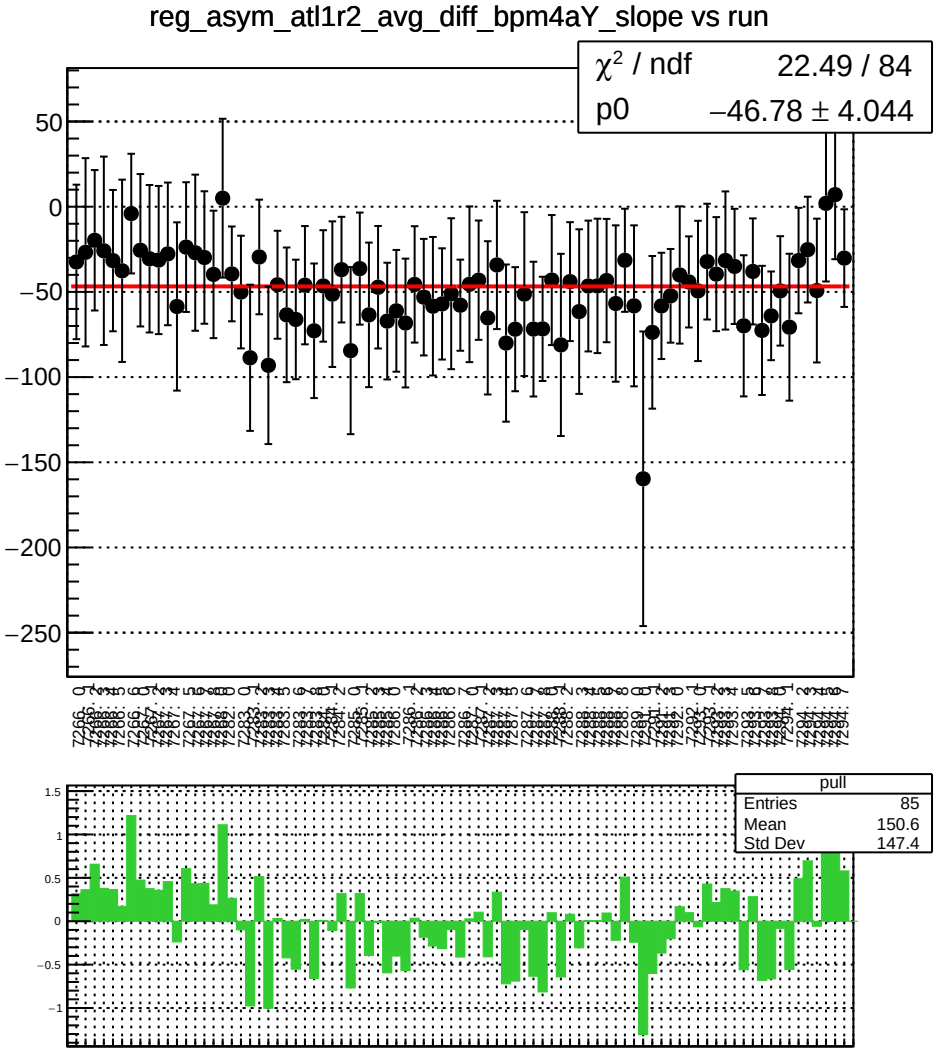

pull1D
Entries 85
Mean −0.02459
Std Dev 1.193

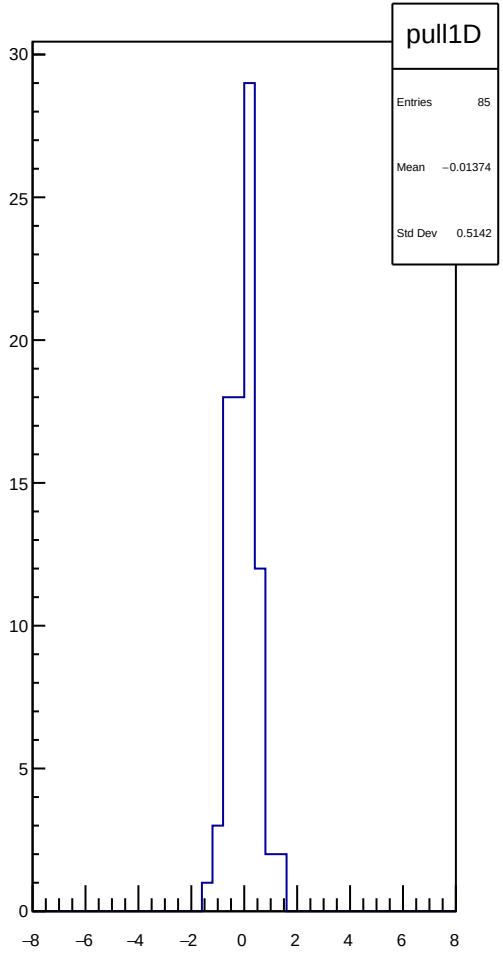

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 145.2 / 84
p0 62.29 ± 1.416
pull
Entries 85
Mean −43.1
Std Dev 73.17
pull1D
Entries 85
Mean 0.1462
Std Dev 1.299

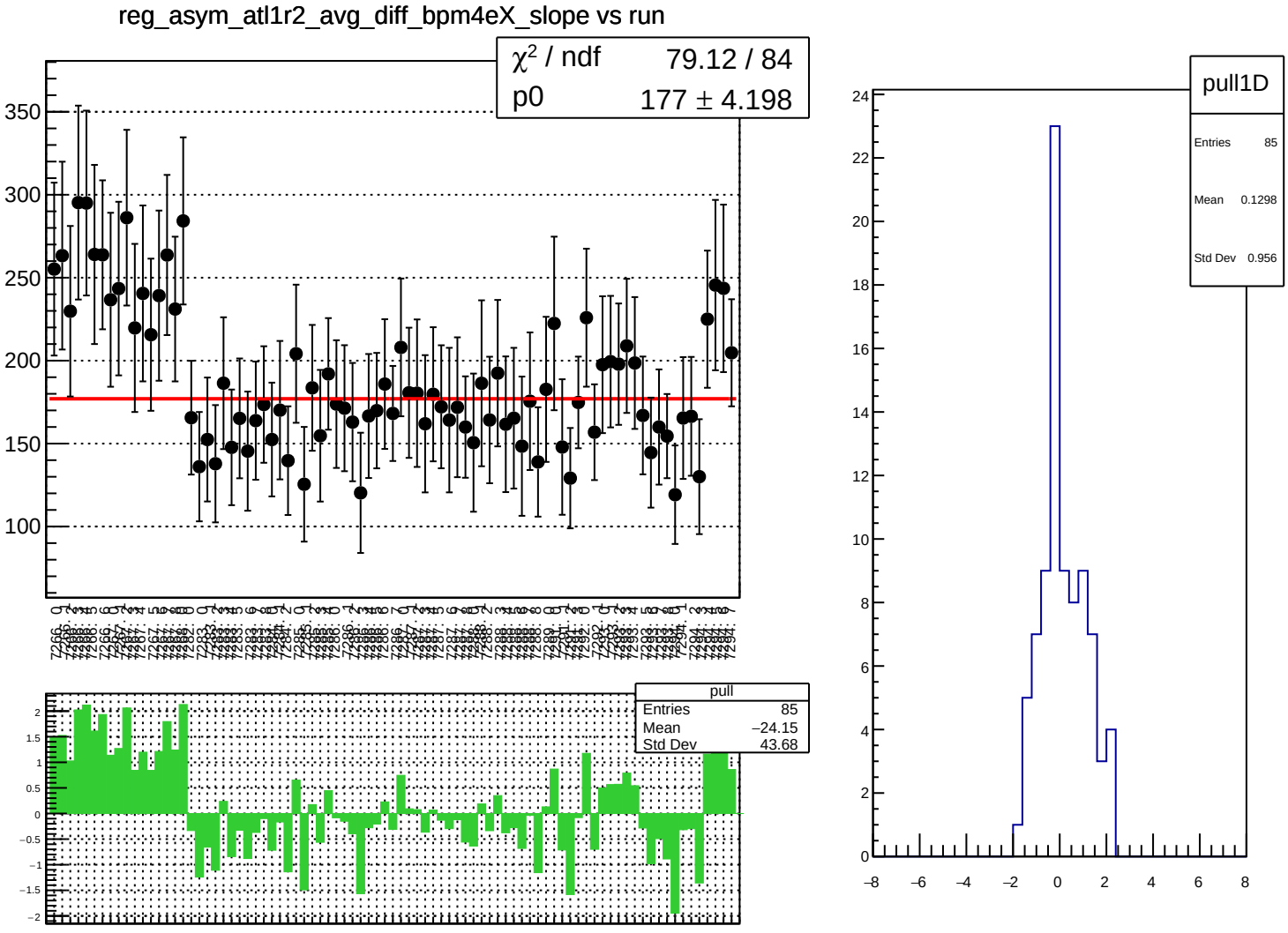

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 133.2 / 84
p0 35.81 ± 1.434
pull
Entries 85
Mean −232.5
Std Dev 332.8
pull1D
Entries 85
Mean 0.0104
Std Dev 1.252

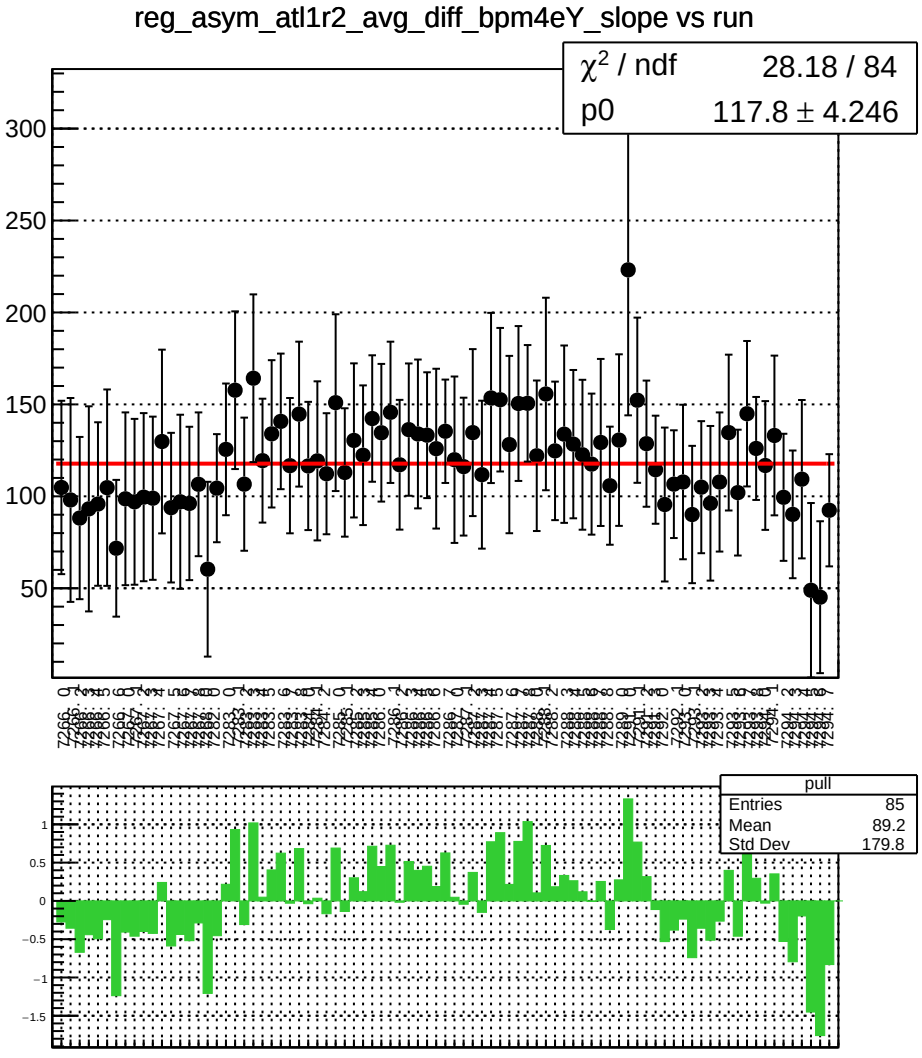

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 2640 / 84
p0 −16.49 ± 0.06866
pull
Entries 85
Mean −325.6
Std Dev 374
pull1D
Entries 85
Mean −2.476
Std Dev 3.189

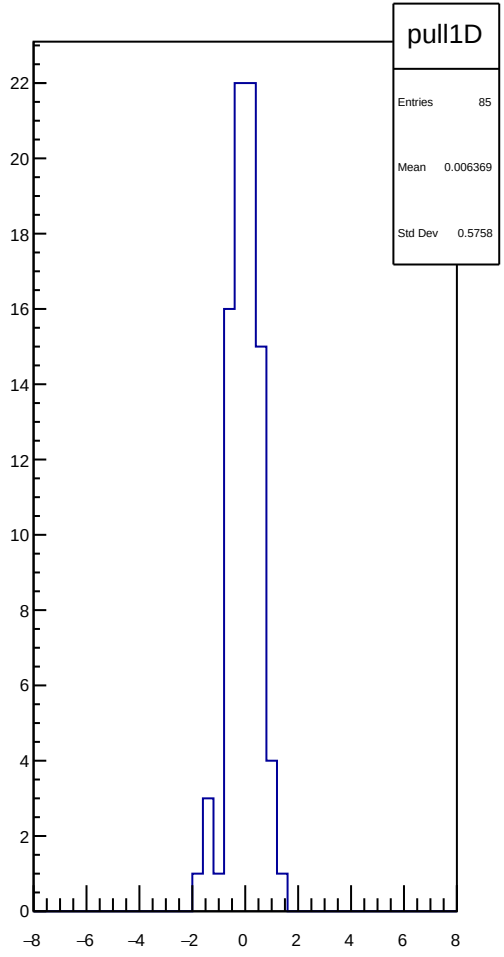

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 66.91 / 84
p0 −113.3 ± 4.206
pull
Entries 85
Mean −27.97
Std Dev 43.96
pull1D
Entries 85
Mean −0.0954
Std Dev 0.8821

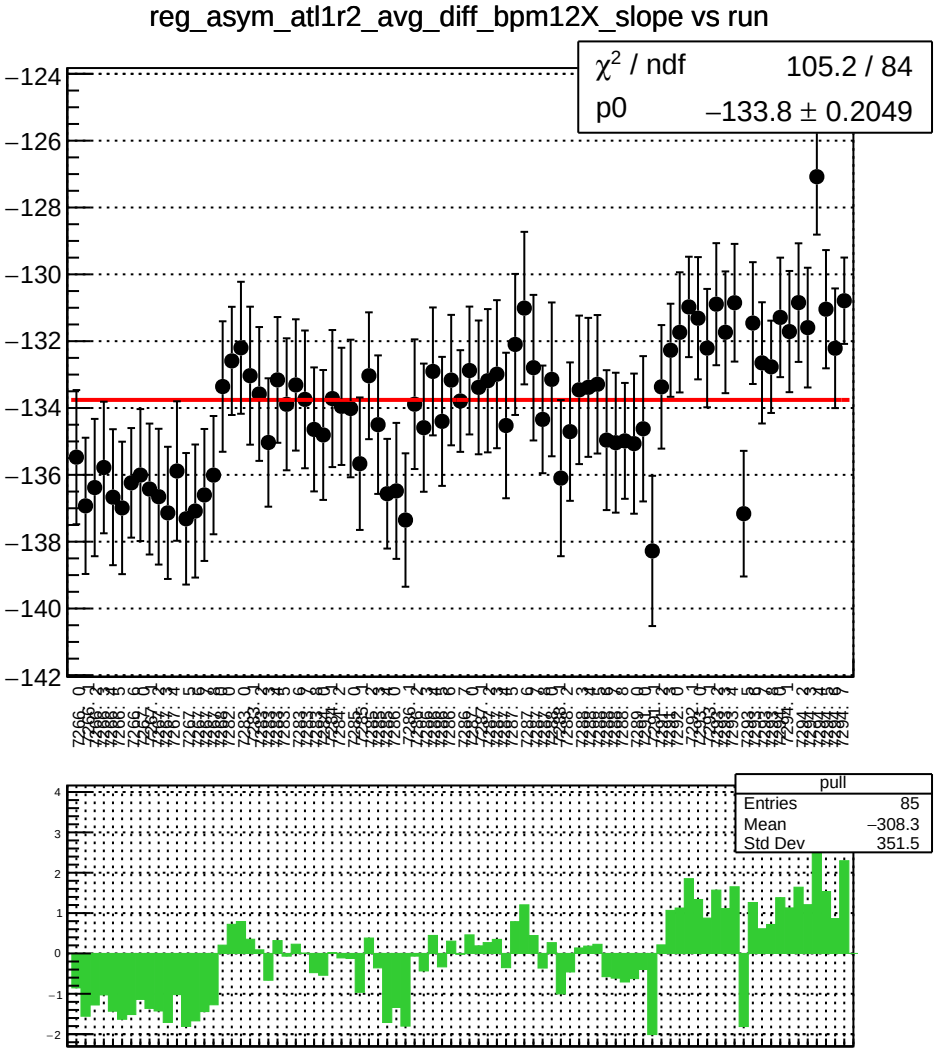

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.49 / 84
p0 −46.78 ± 4.044
pull
Entries 85
Mean 150.6
Std Dev 147.4

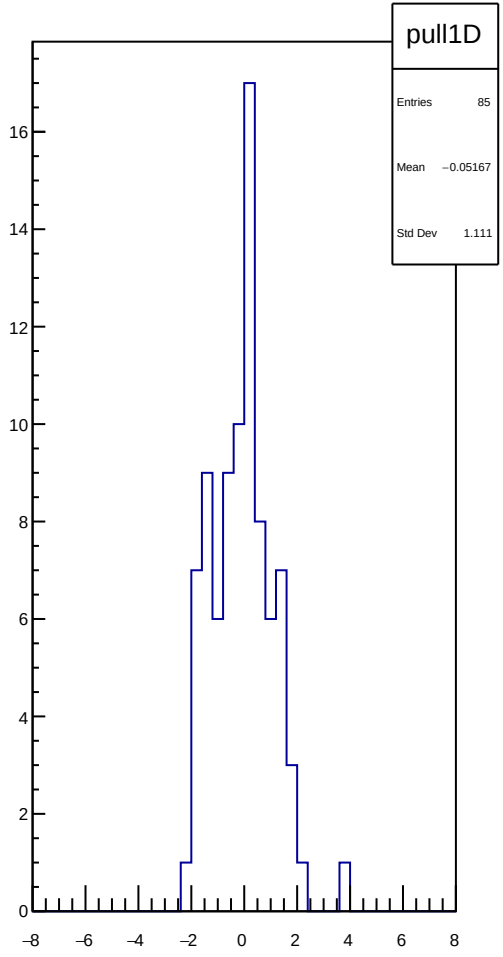

pull1D
Entries 85
Mean −0.01374
Std Dev 0.5142

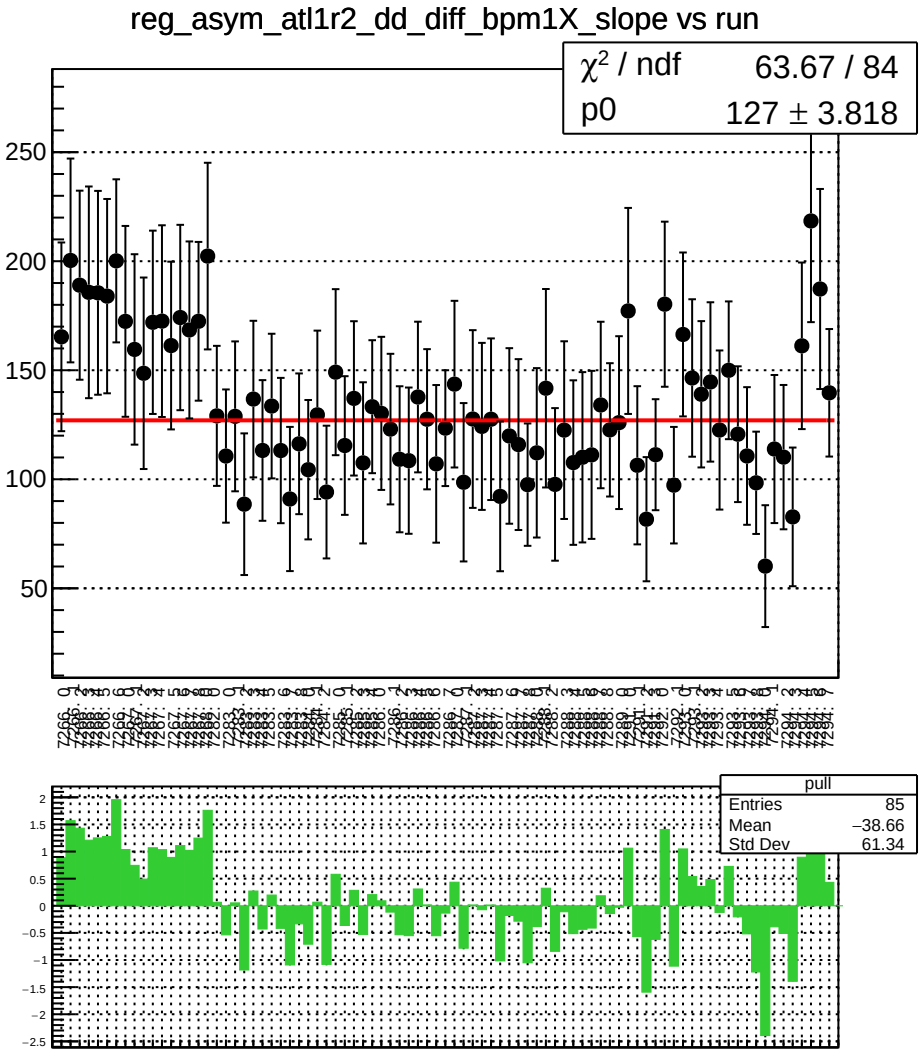

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 79.12 / 84
p0 177 ± 4.198
pull
Entries 85
Mean −24.15
Std Dev 43.68
pull1D
Entries 85
Mean 0.1298
Std Dev 0.956

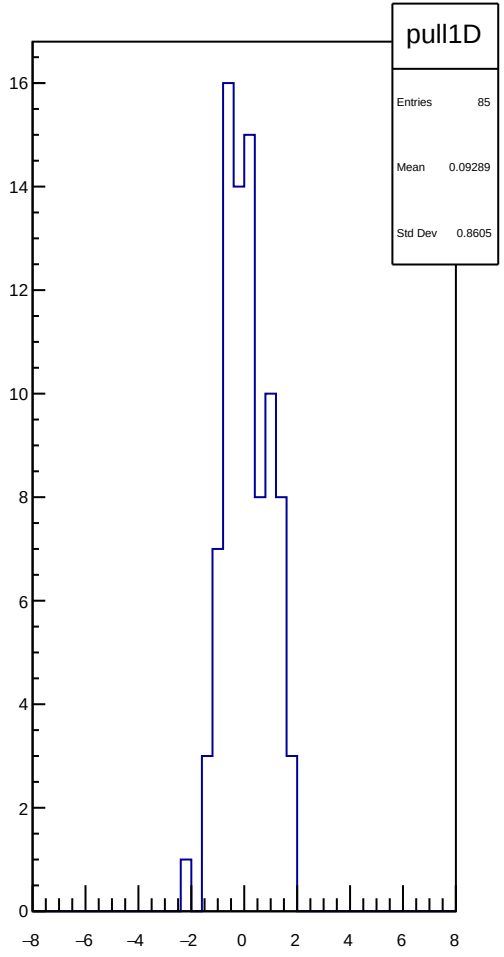

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.18 / 84
p0 117.8 ± 4.246
pull
Entries 85
Mean 89.2
Std Dev 179.8

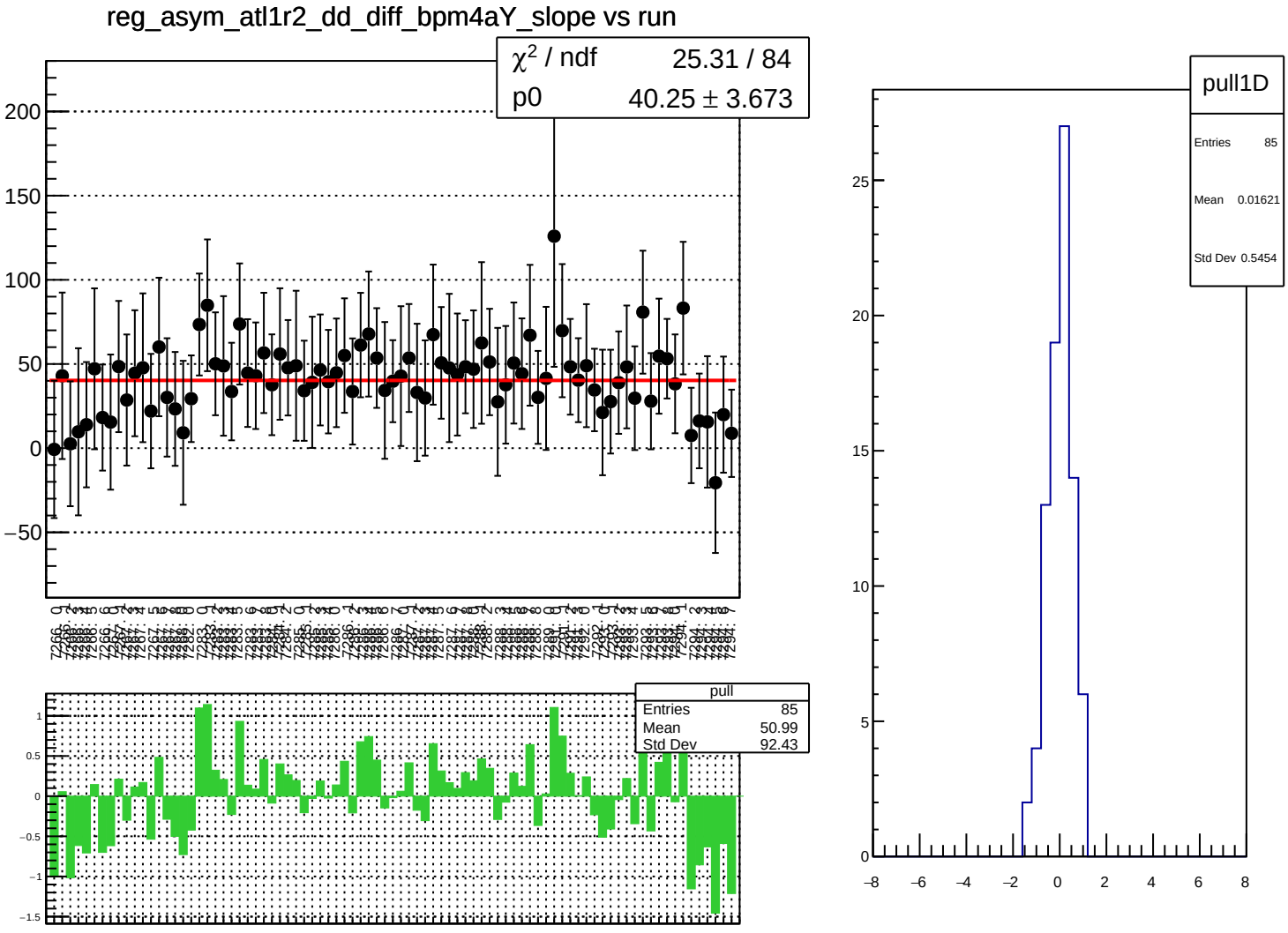

pull1D
Entries 85
Mean 0.006369
Std Dev 0.5758

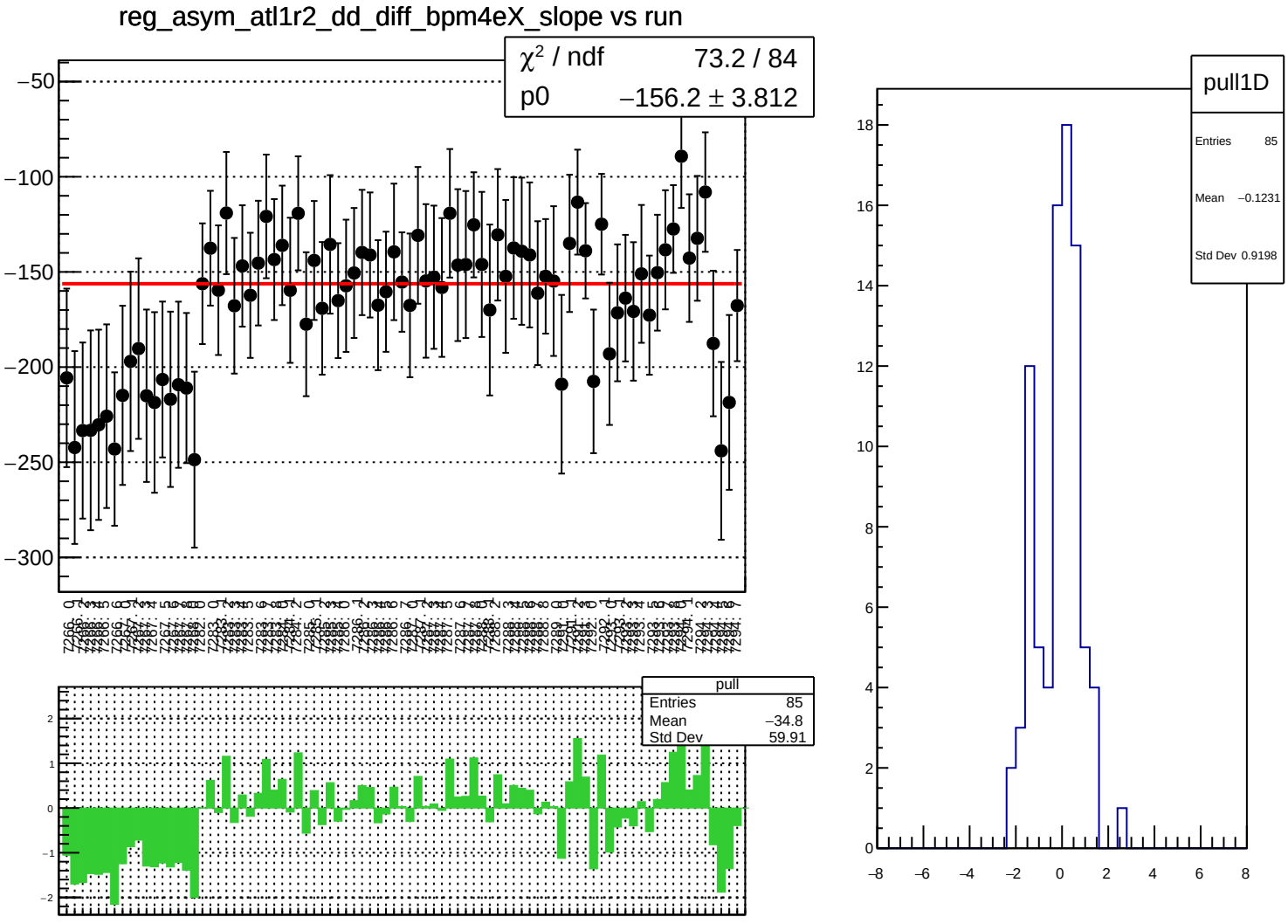

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 105.2 / 84
p0 −133.8 ± 0.2049
pull
Entries 85
Mean −308.3
Std Dev 351.5

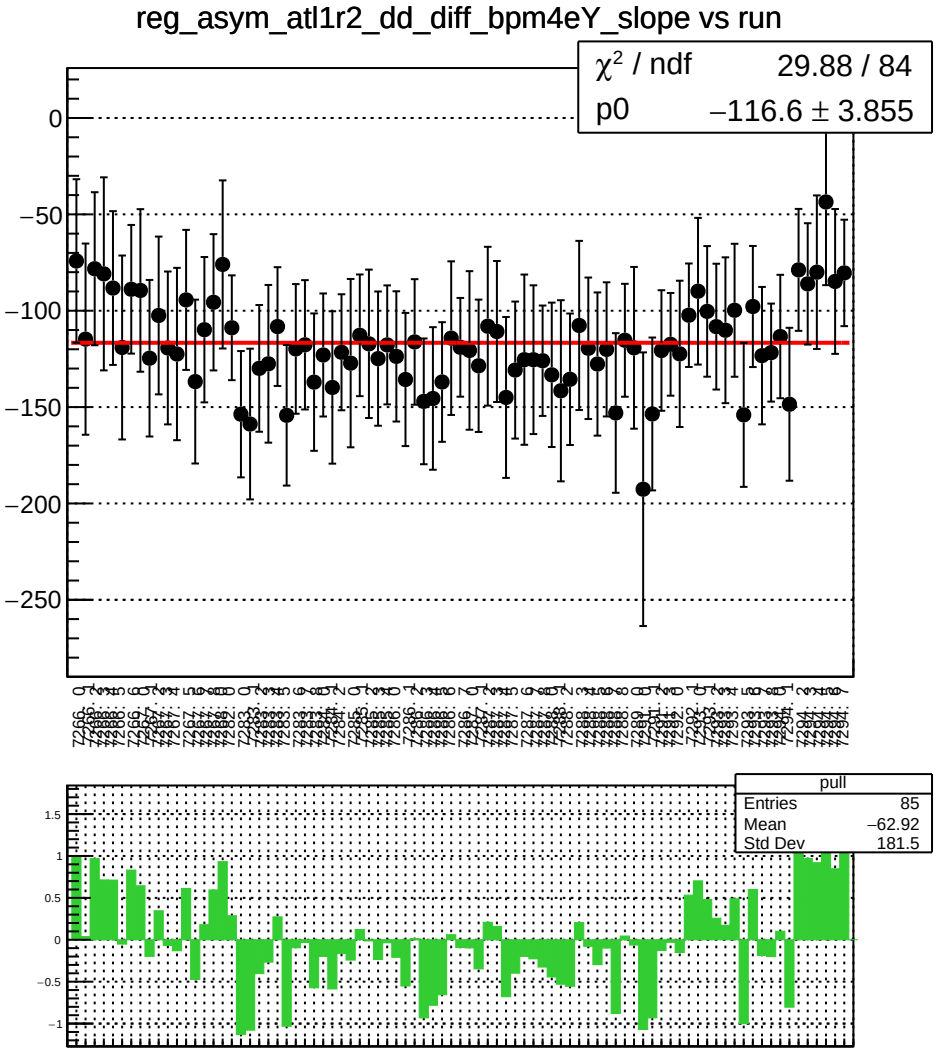

pull1D
Entries 85
Mean −0.05167
Std Dev 1.111

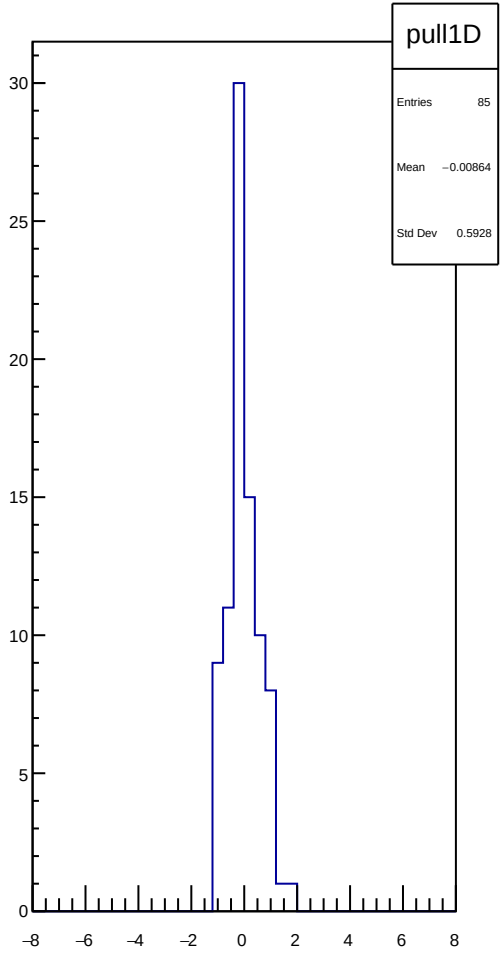

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 63.67 / 84
p0 127 ± 3.818
pull
Entries 85
Mean −38.66
Std Dev 61.34

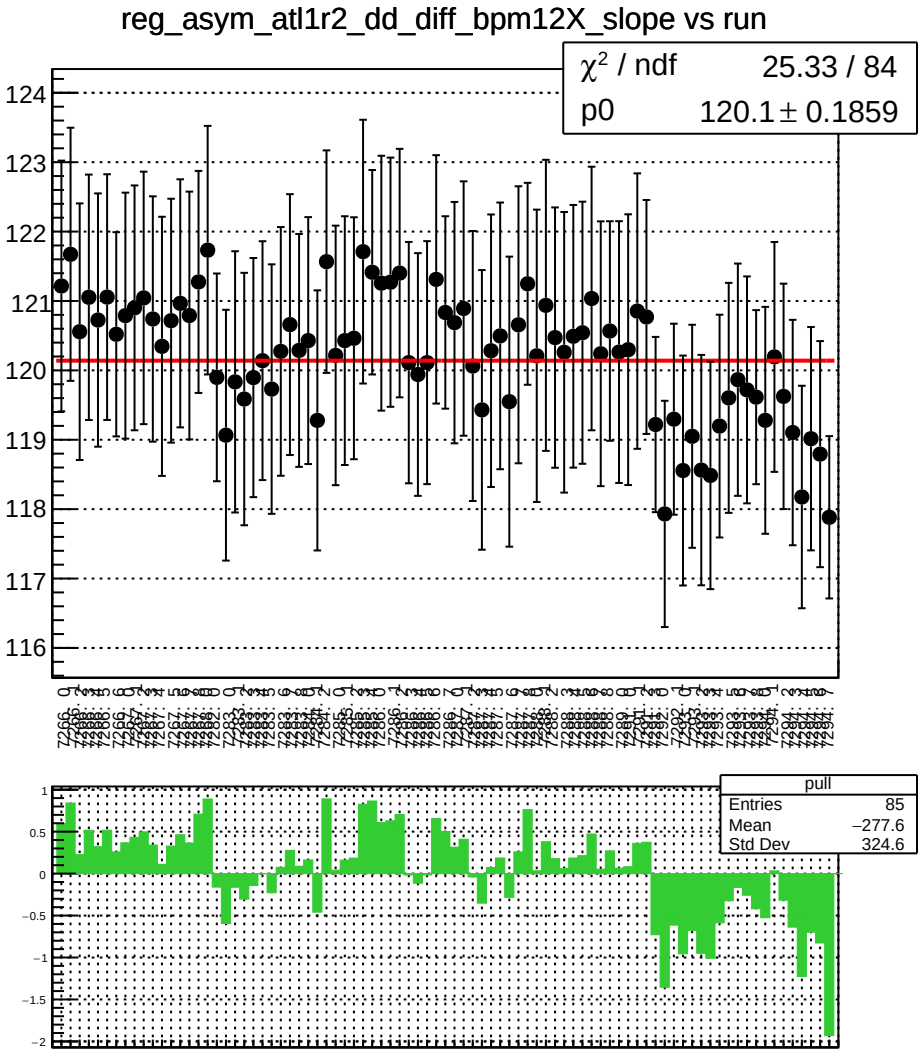

pull1D
Entries 85
Mean 0.09289
Std Dev 0.8605

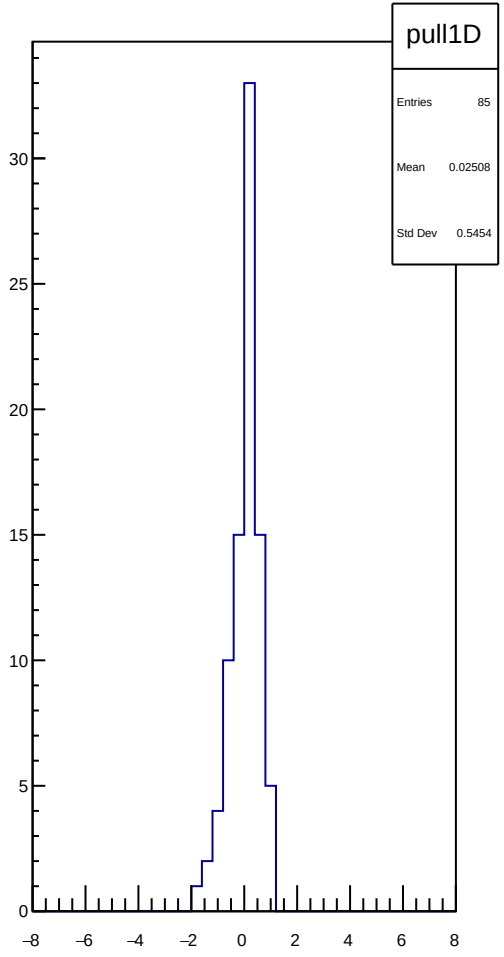

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.31 / 84
p0 40.25 ± 3.673
pull
Entries 85
Mean 50.99
Std Dev 92.43
pull1D
Entries 85
Mean 0.01621
Std Dev 0.5454

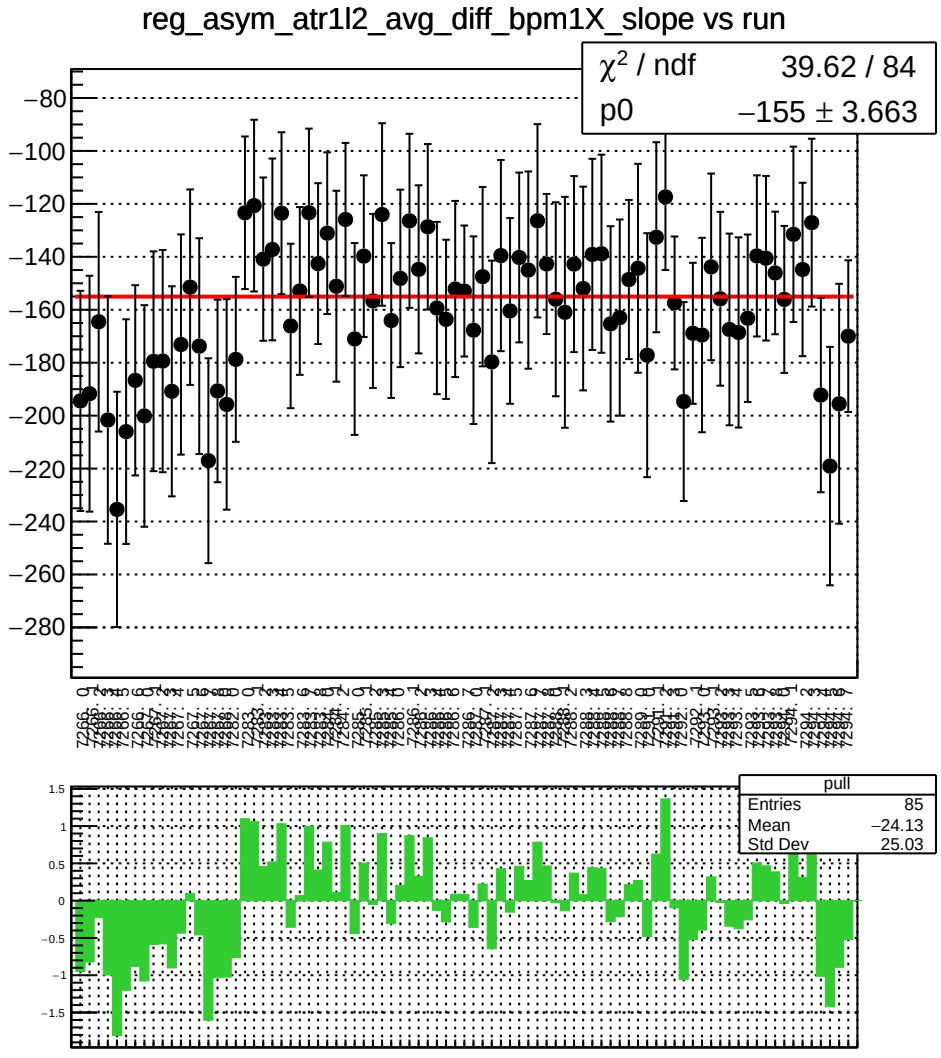

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 73.2 / 84
p0 −156.2 ± 3.812
pull
Entries 85
Mean −34.8
Std Dev 59.91
pull1D
Entries 85
Mean −0.1231
Std Dev 0.9198

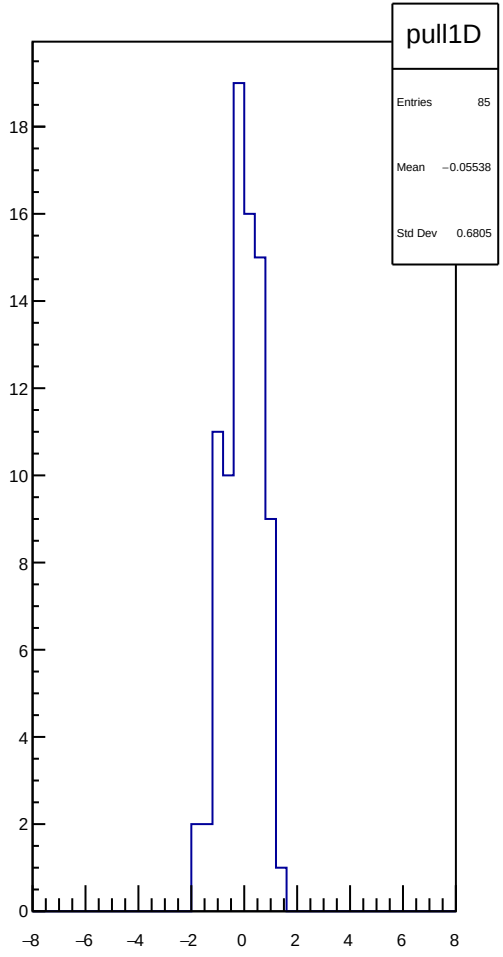

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.88 / 84
p0 −116.6 ± 3.855
pull
Entries 85
Mean −62.92
Std Dev 181.5

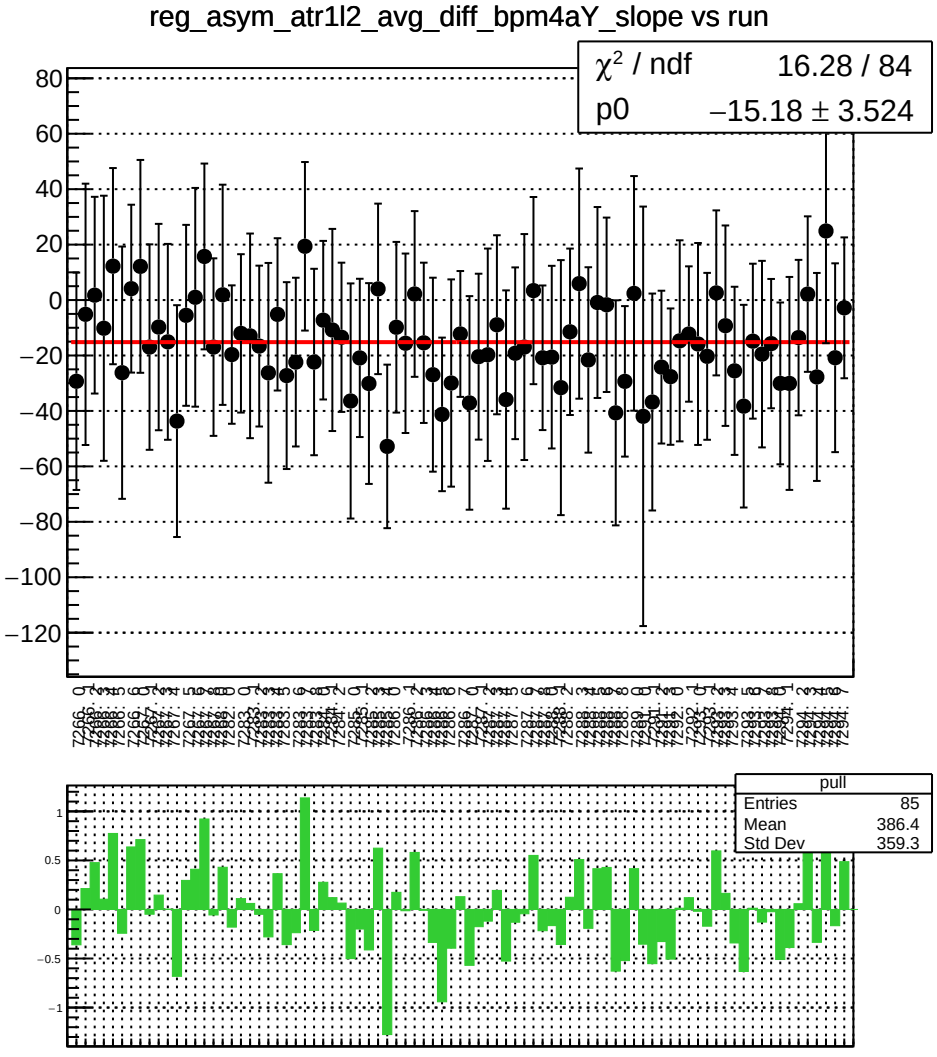

pull1D
Entries 85
Mean −0.00864
Std Dev 0.5928

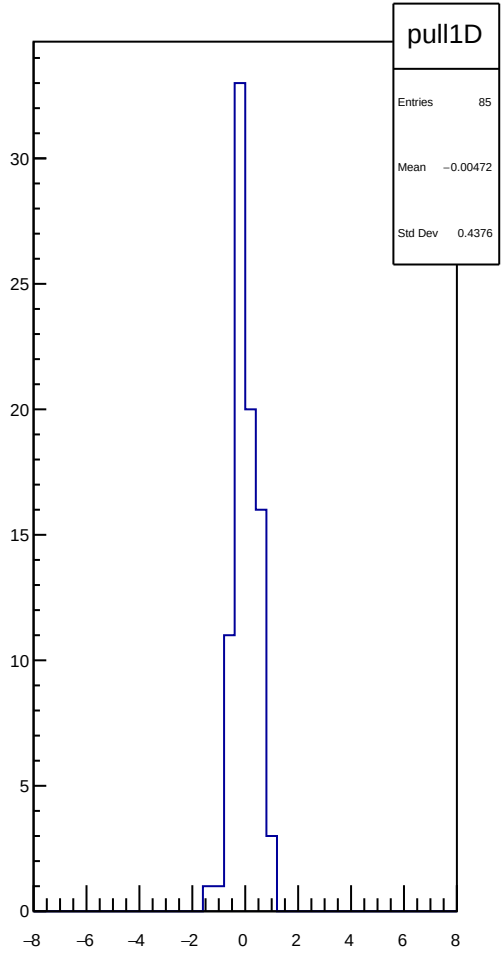

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 25.33 / 84
p0 120.1 ± 0.1859
124
123
122
121
120
119
118
117
116
pull
Entries 85
Mean −277.6
Std Dev 324.6
1
0.5
0
−0.5
−1
−1.5
−2

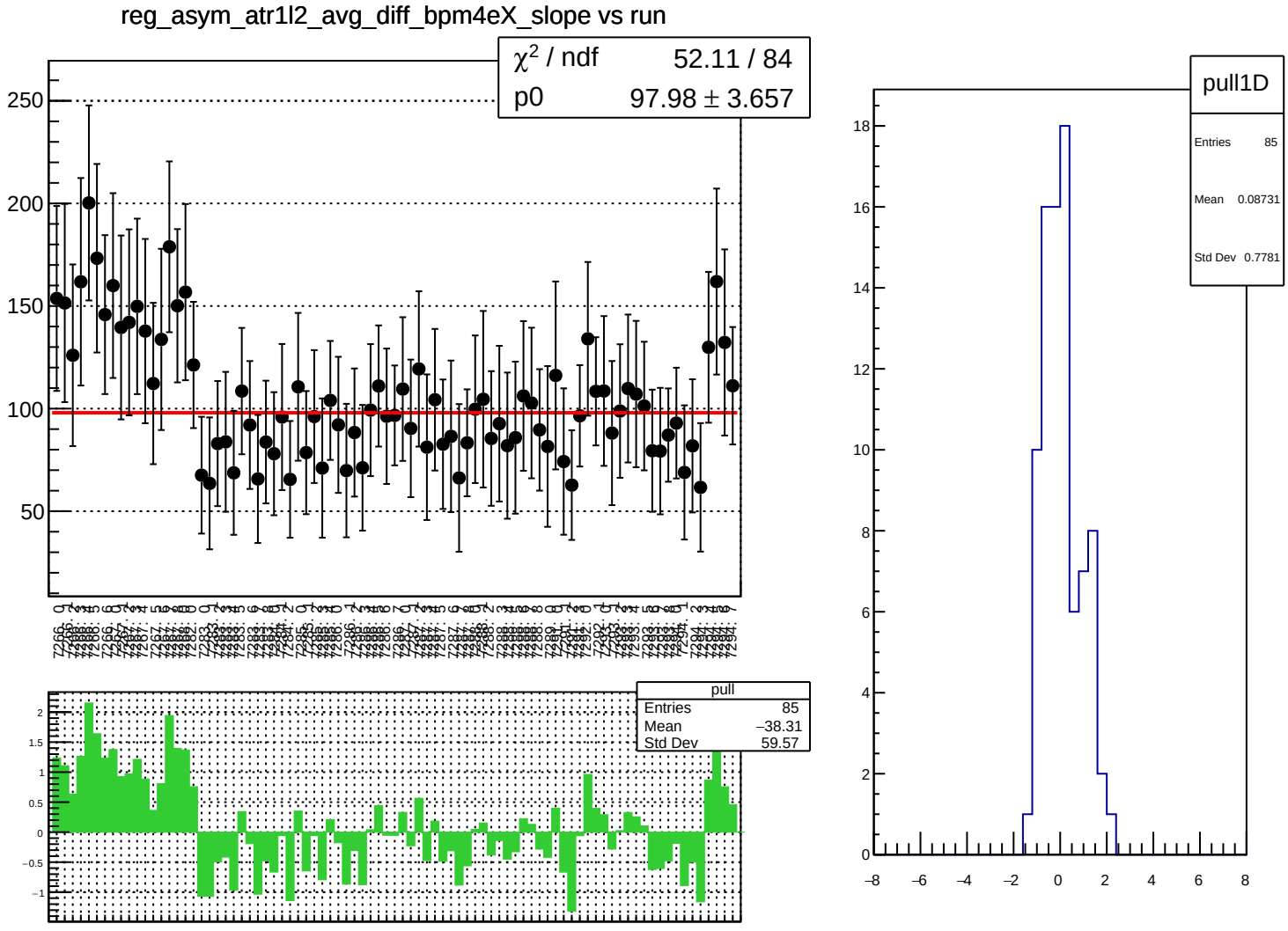

pull1D
Entries 85
Mean 0.02508
Std Dev 0.5454
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

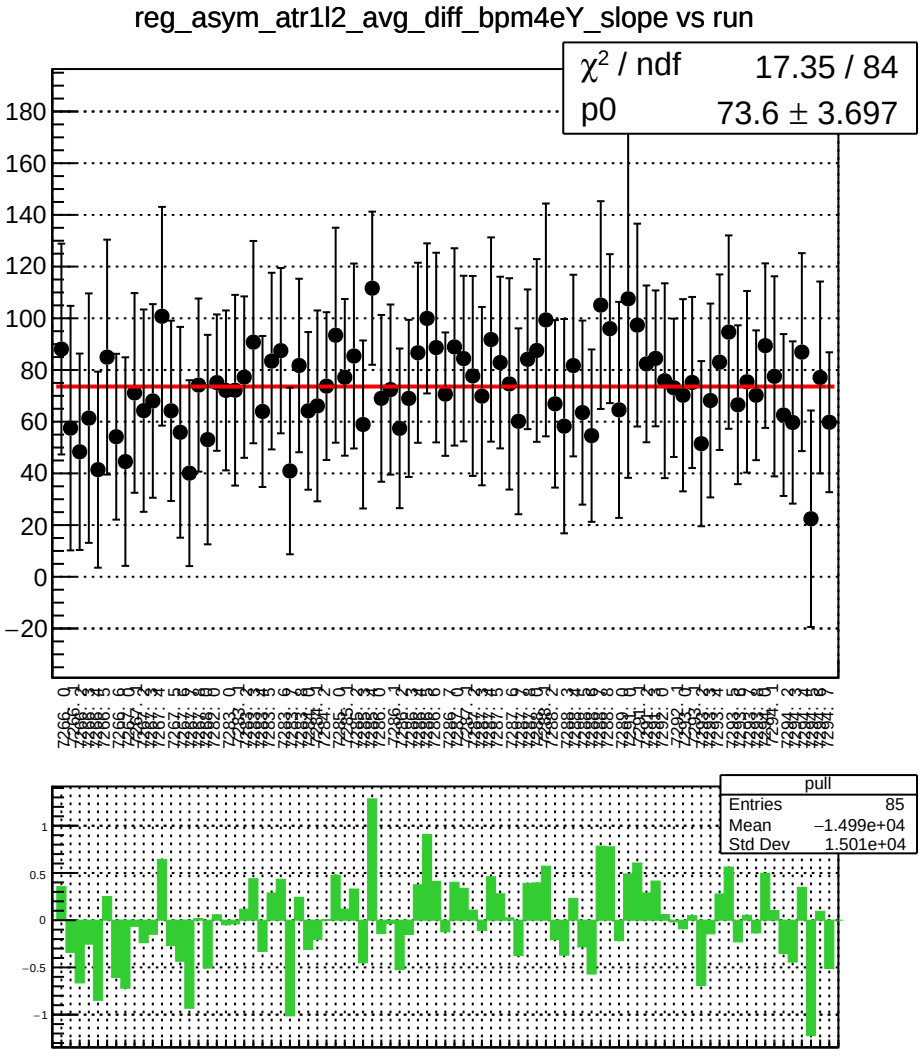

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 39.62 / 84
p0 −155 ± 3.663
pull
Entries 85
Mean −24.13
Std Dev 25.03

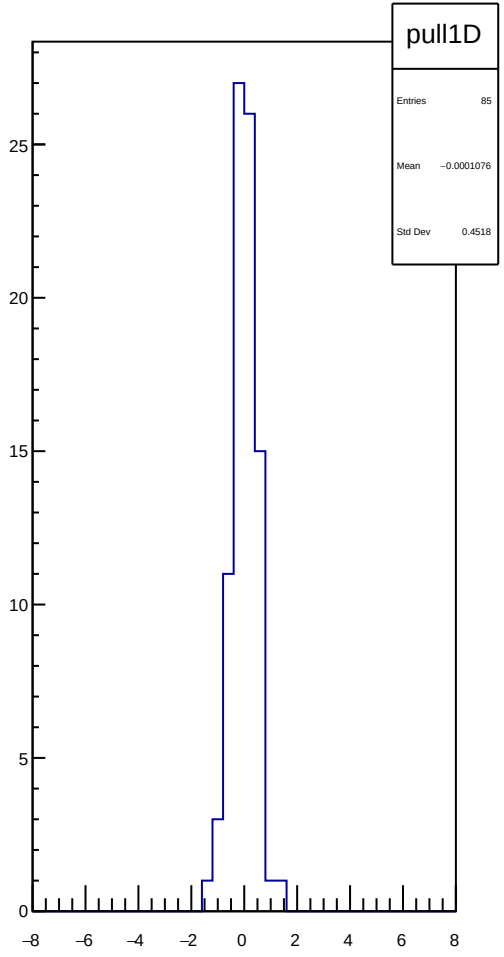

pull1D
Entries 85
Mean −0.05538
Std Dev 0.6805

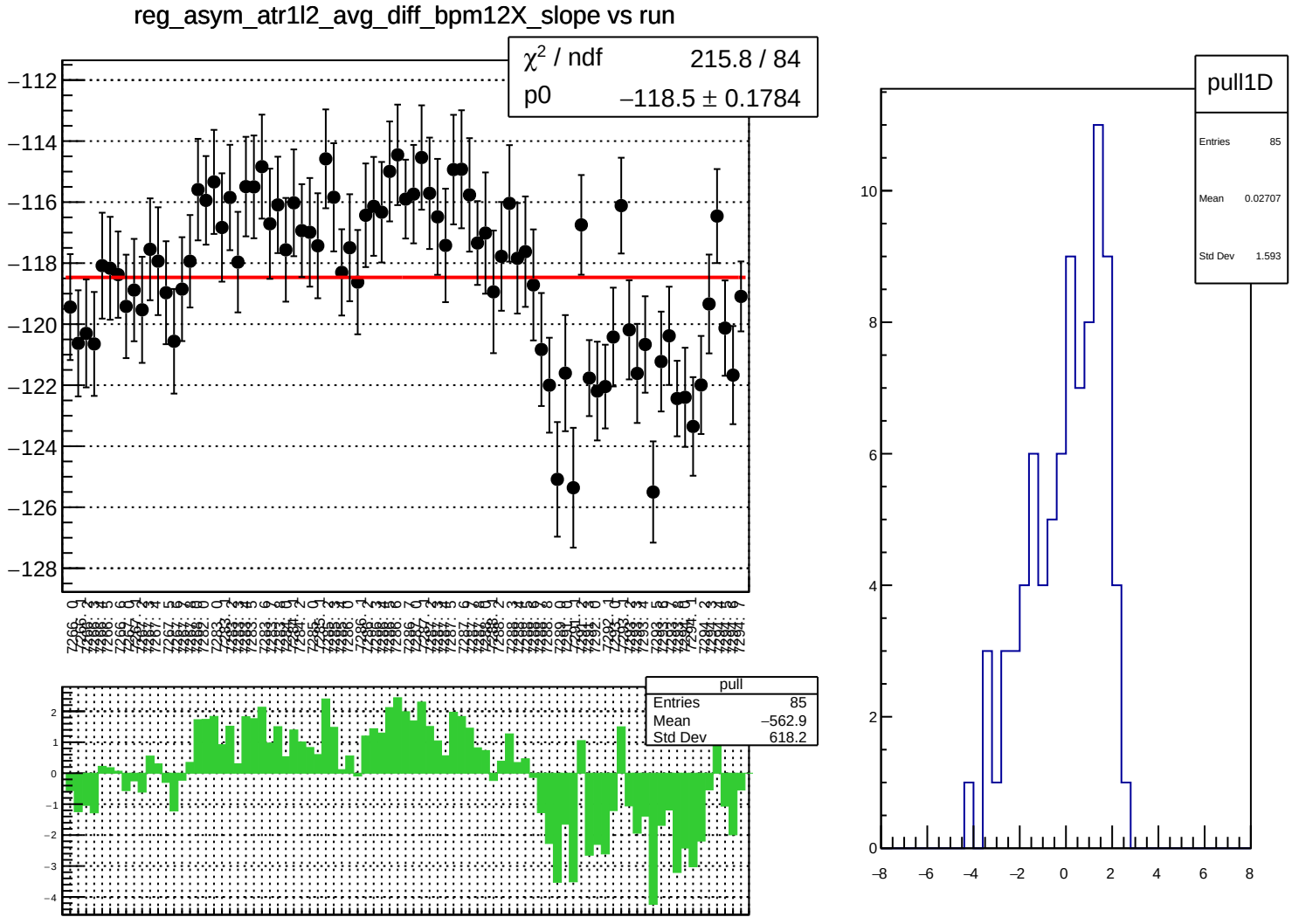

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.28 / 84
p0 −15.18 ± 3.524
pull
Entries 85
Mean 386.4
Std Dev 359.3

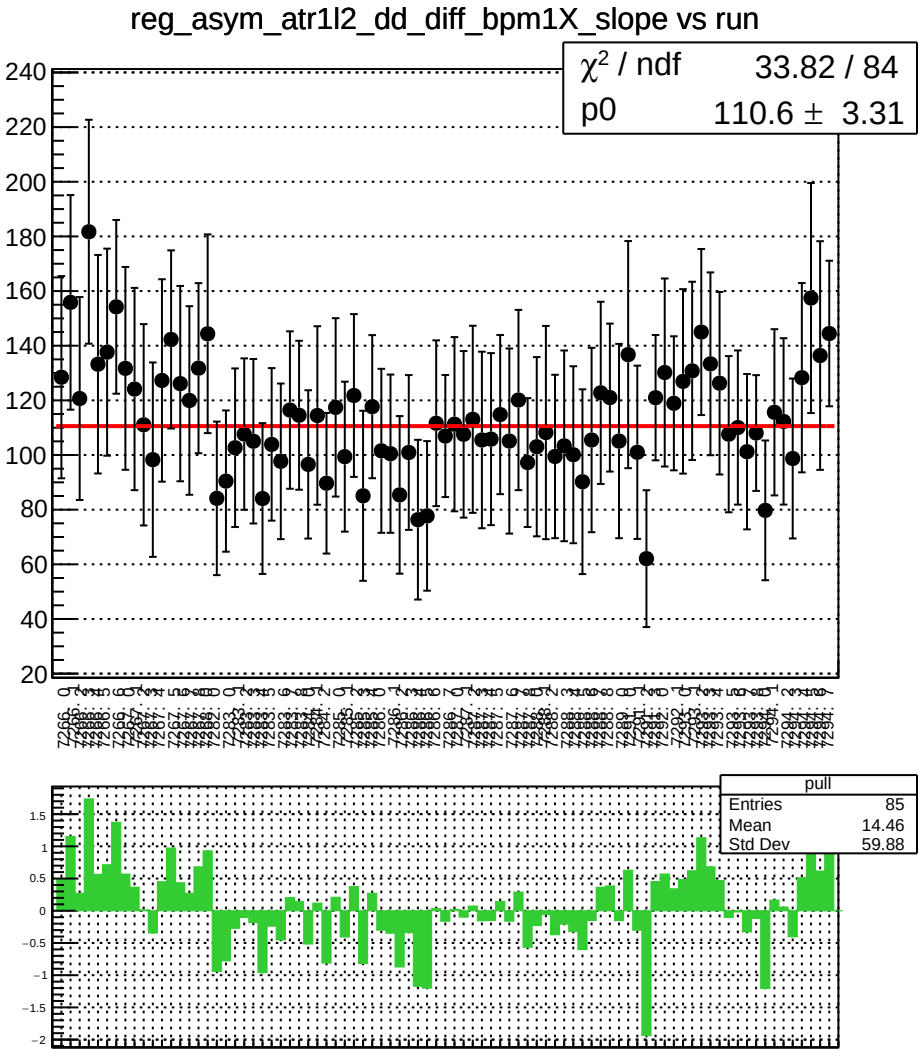

pull1D
Entries 85
Mean −0.00472
Std Dev 0.4376

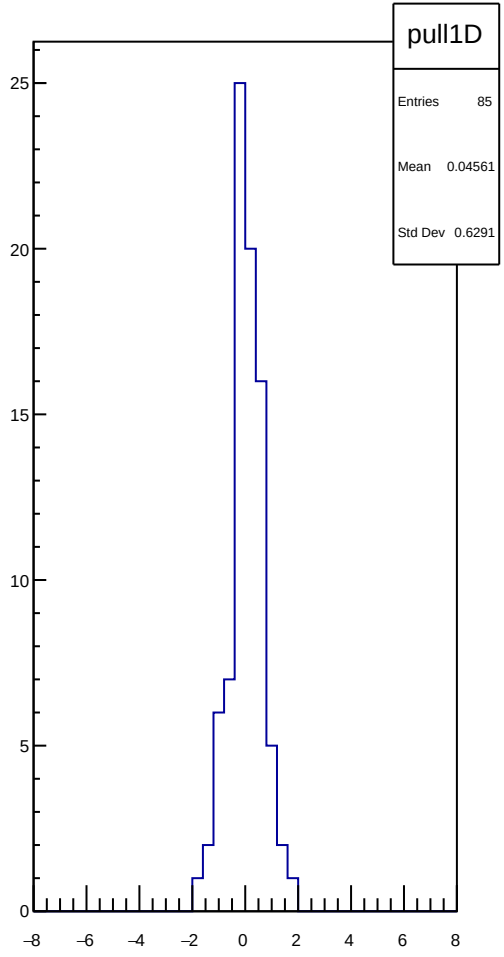

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 52.11 / 84
p0 97.98 ± 3.657
pull
Entries 85
Mean −38.31
Std Dev 59.57
pull1D
Entries 85
Mean 0.08731
Std Dev 0.7781

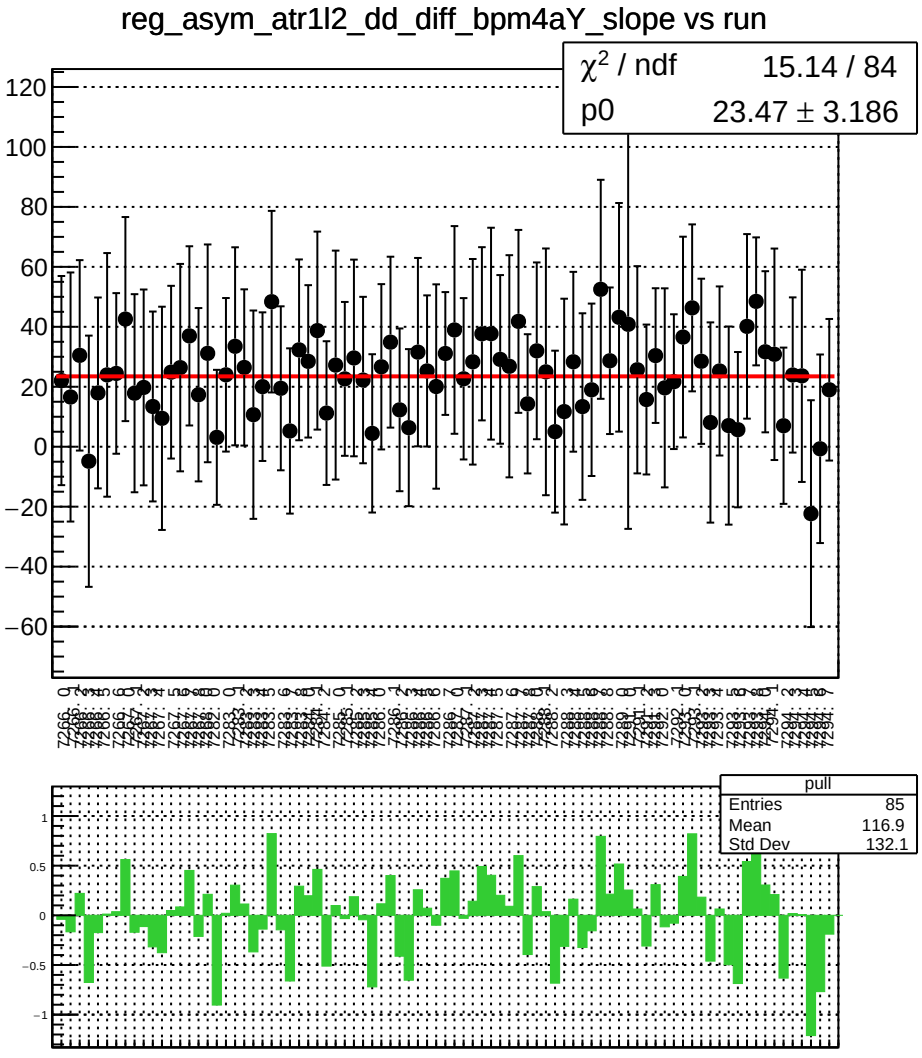

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.35 / 84
p0 73.6 ± 3.697
pull
Entries 85
Mean −1.499e+04
Std Dev 1.501e+04

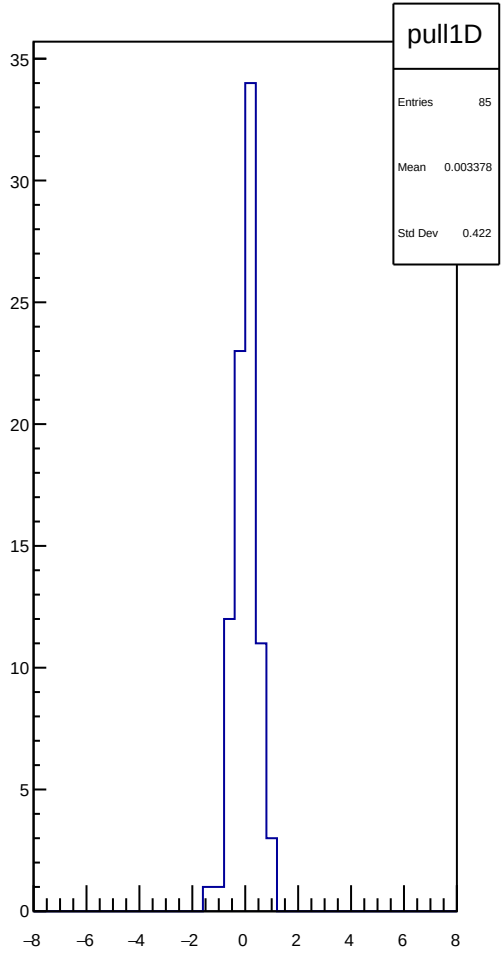

pull1D
Entries 85
Mean −0.0001076
Std Dev 0.4518

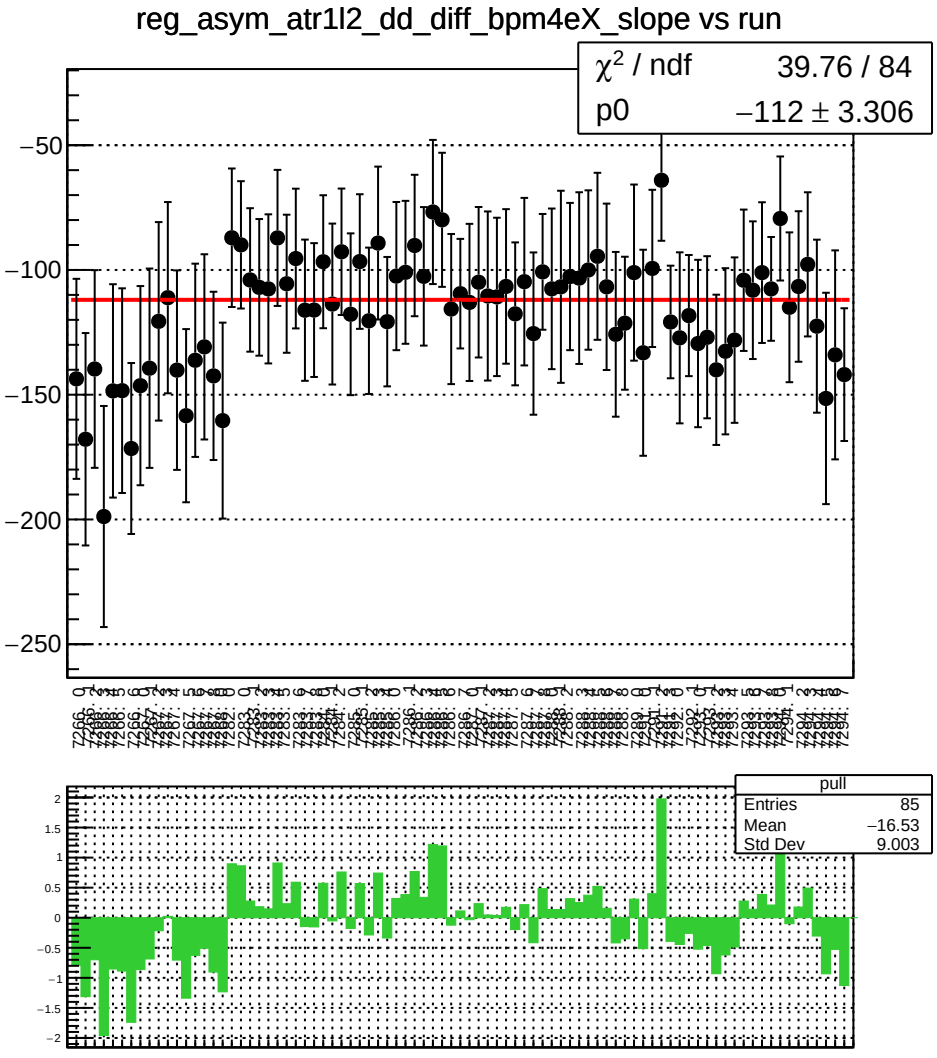

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 215.8 / 84
p0 −118.5 ± 0.1784
pull
Entries 85
Mean −562.9
Std Dev 618.2
pull1D
Entries 85
Mean 0.02707
Std Dev 1.593

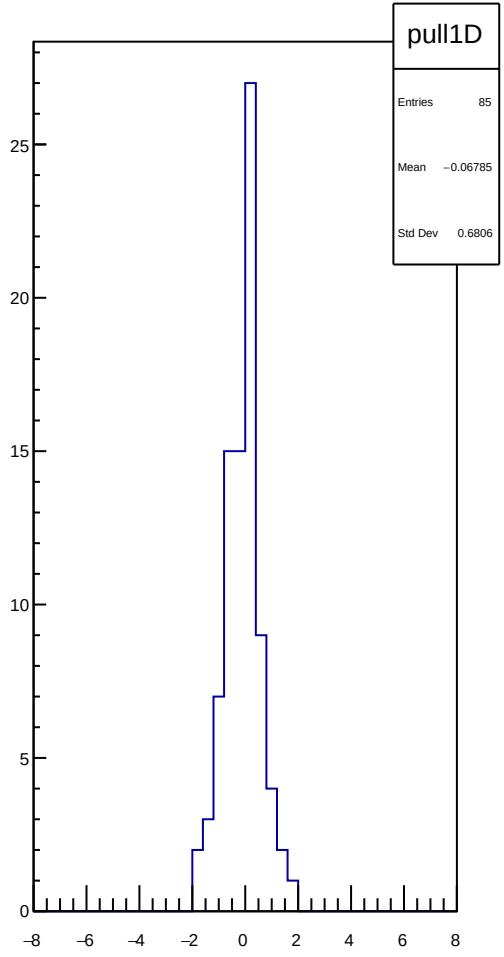

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 33.82 / 84
p0 110.6 ± 3.31
pull
Entries 85
Mean 14.46
Std Dev 59.88

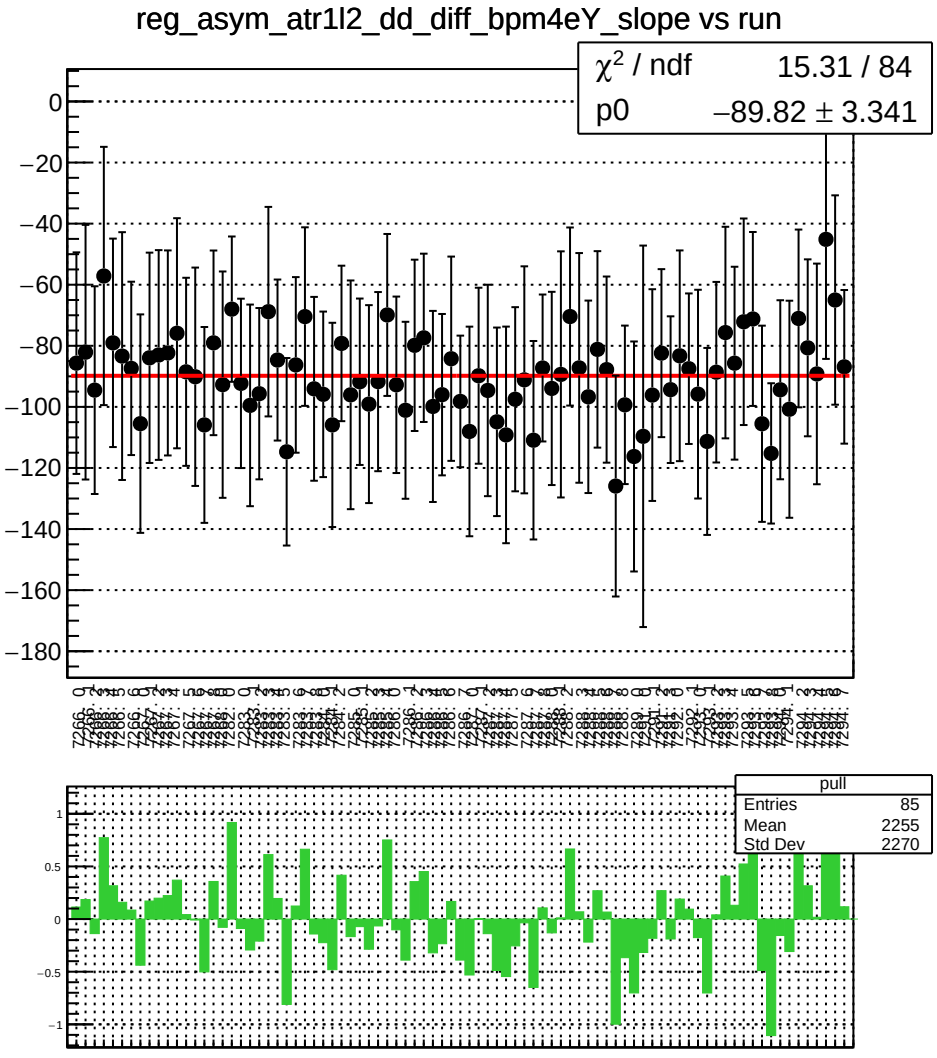

pull1D
Entries 85
Mean 0.04561
Std Dev 0.6291

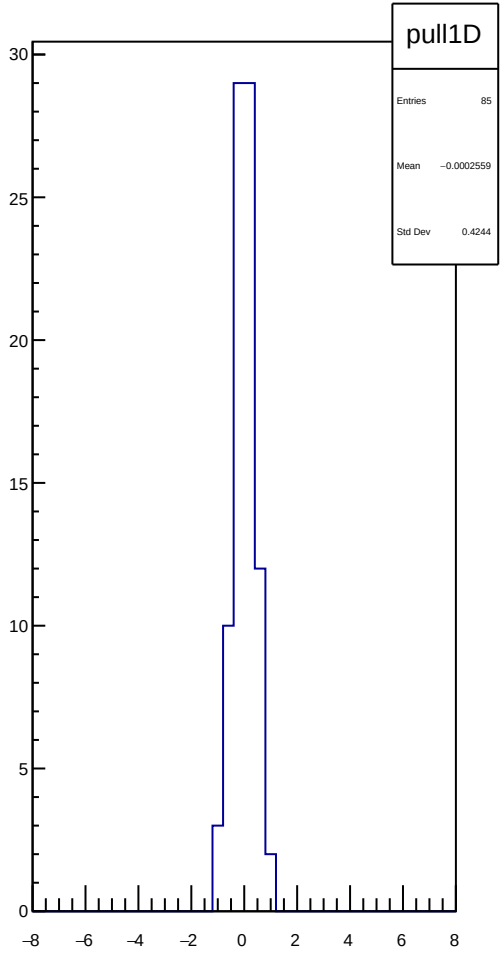

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.14 / 84
p0 23.47 ± 3.186
pull
Entries 85
Mean 116.9
Std Dev 132.1

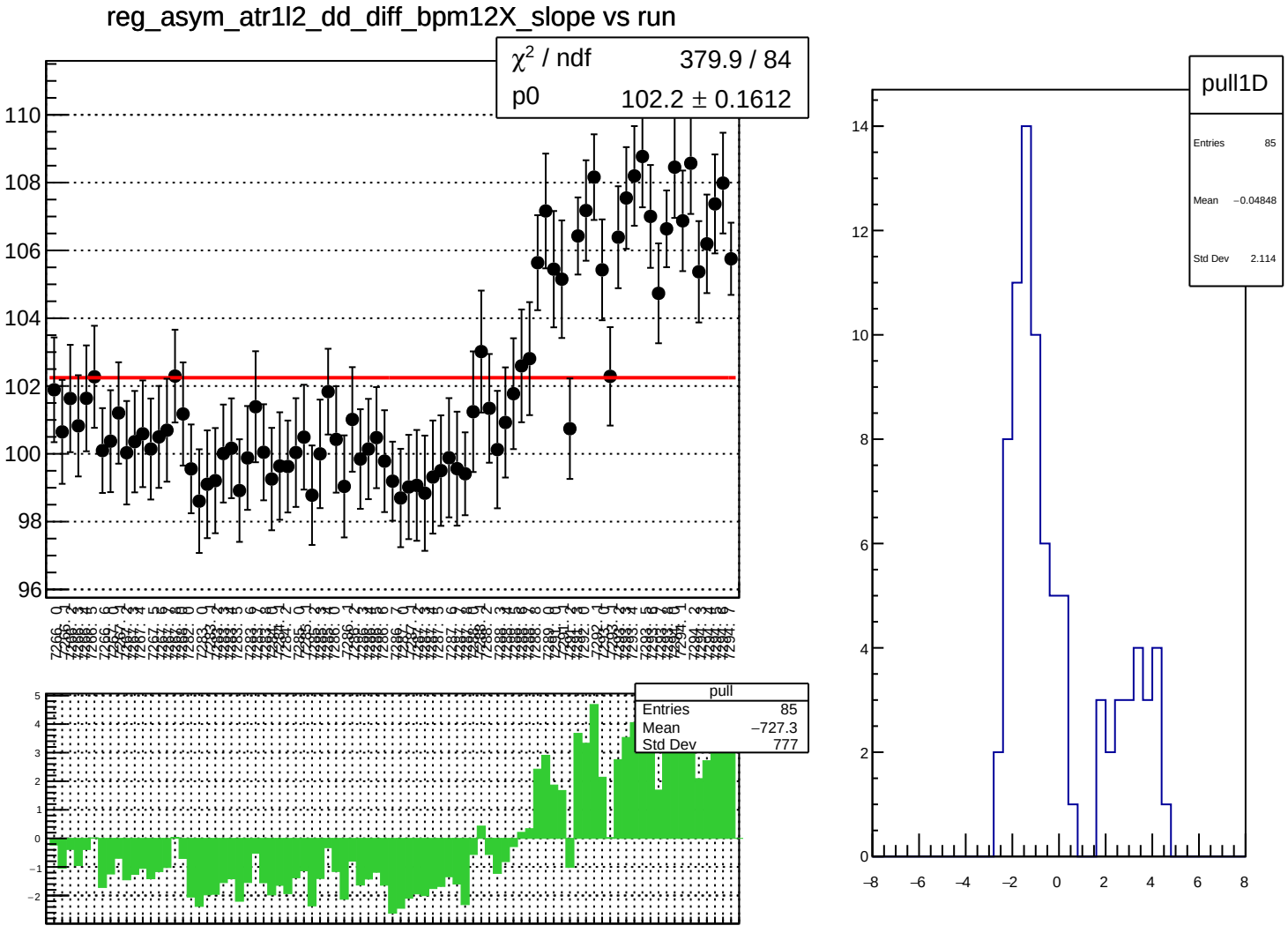

pull1D
Entries 85
Mean 0.003378
Std Dev 0.422

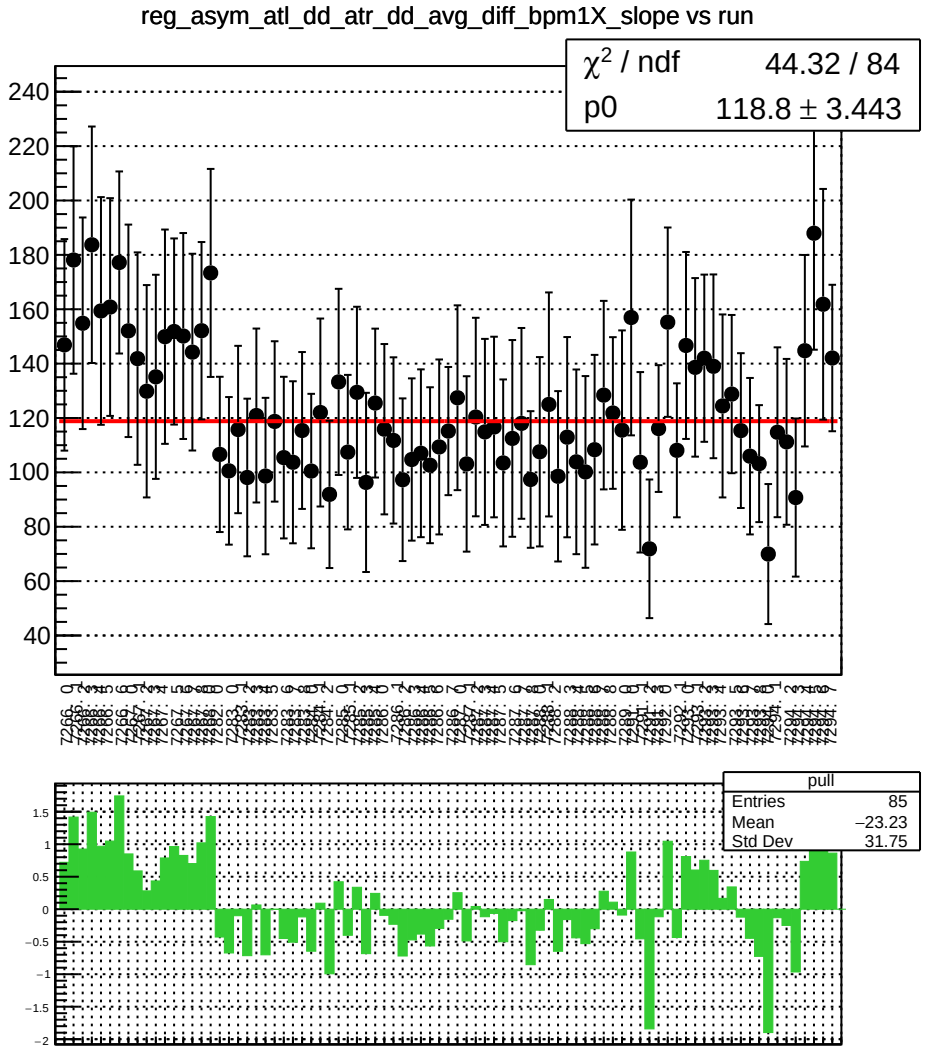

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.76 / 84
p0 −112 ± 3.306
pull
Entries 85
Mean −16.53
Std Dev 9.003

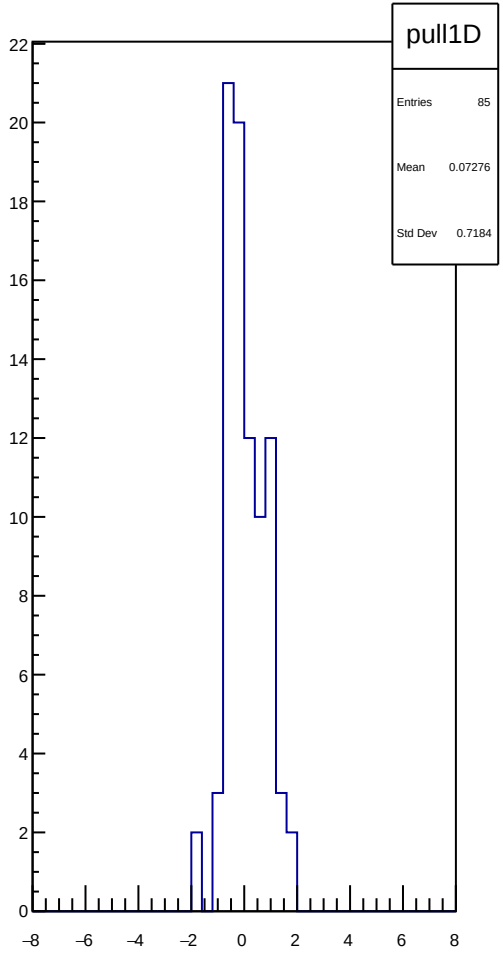

pull1D
Entries 85
Mean −0.06785
Std Dev 0.6806

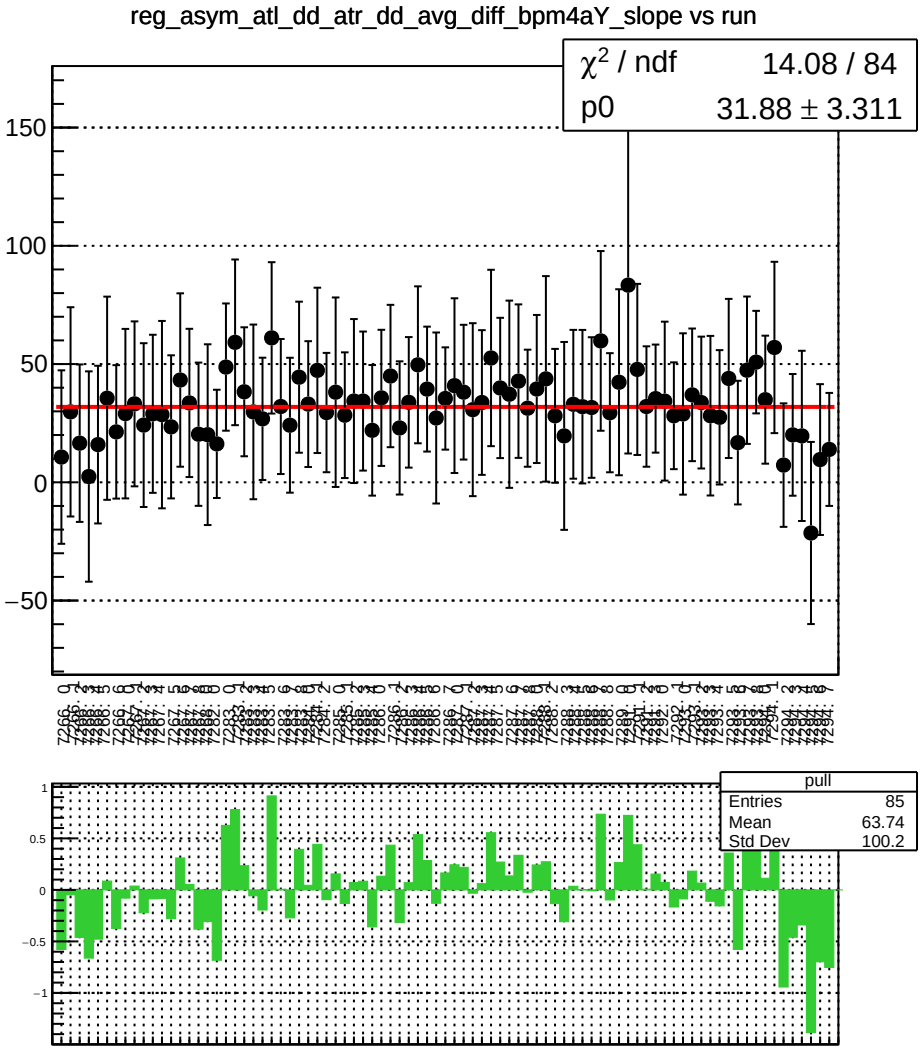

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 15.31 / 84
p0 −89.82 ± 3.341
pull
Entries 85
Mean 2255
Std Dev 2270

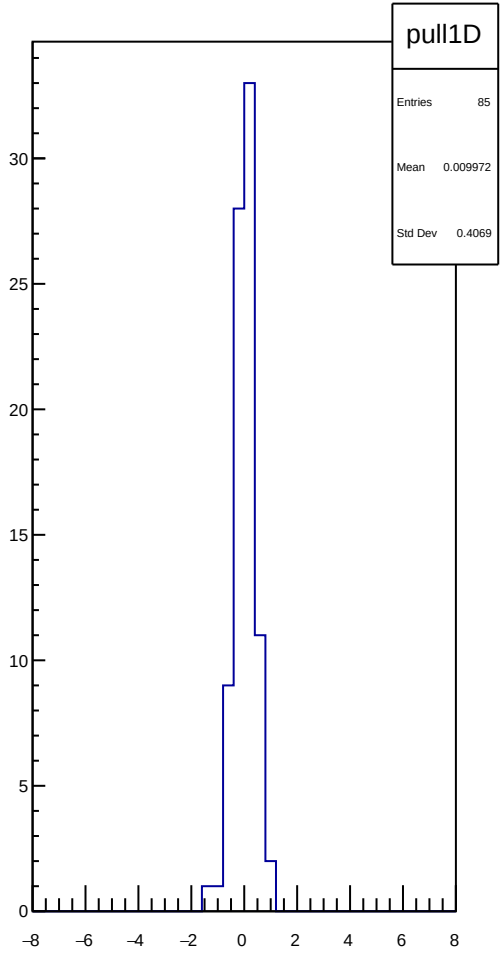

pull1D
Entries 85
Mean −0.0002559
Std Dev 0.4244

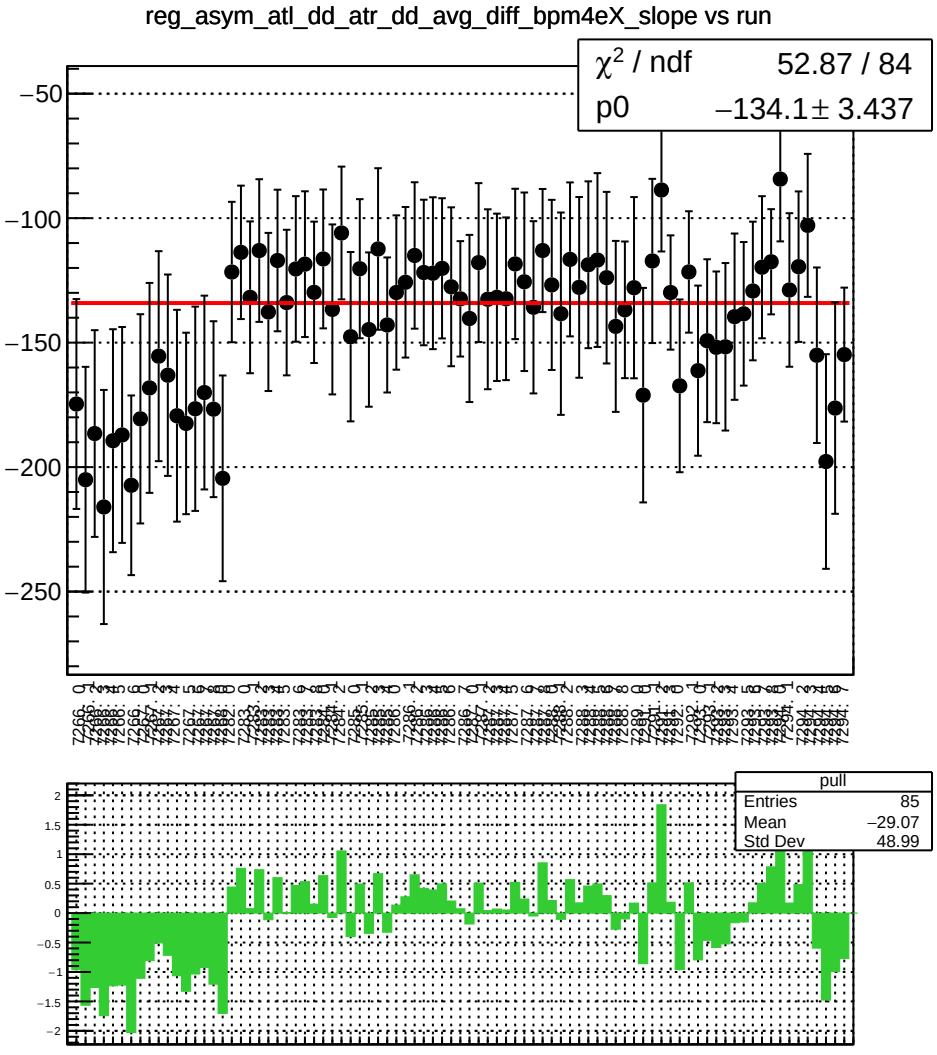

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 379.9 / 84
p0 102.2 ± 0.1612
pull
Entries 85
Mean −727.3
Std Dev 777
pull1D
Entries 85
Mean −0.04848
Std Dev 2.114

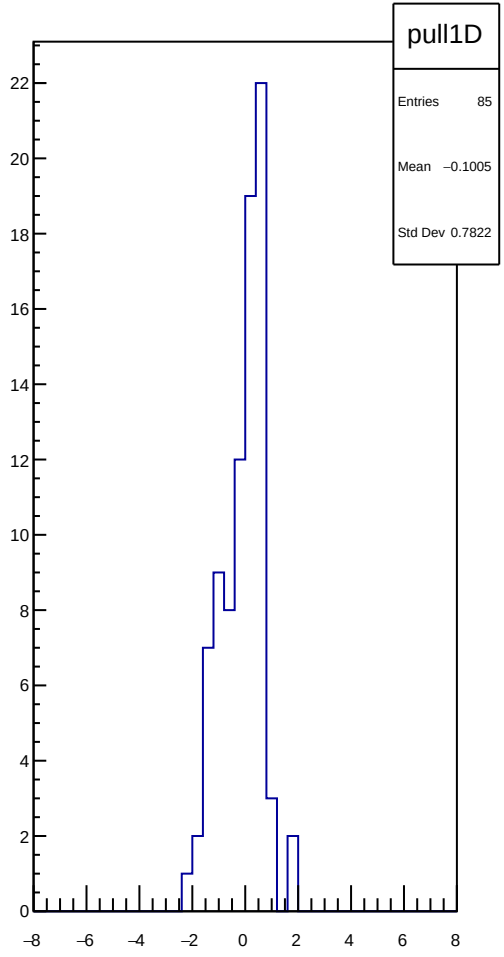

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 44.32 / 84
p0 118.8 ± 3.443
pull
Entries 85
Mean −23.23
Std Dev 31.75

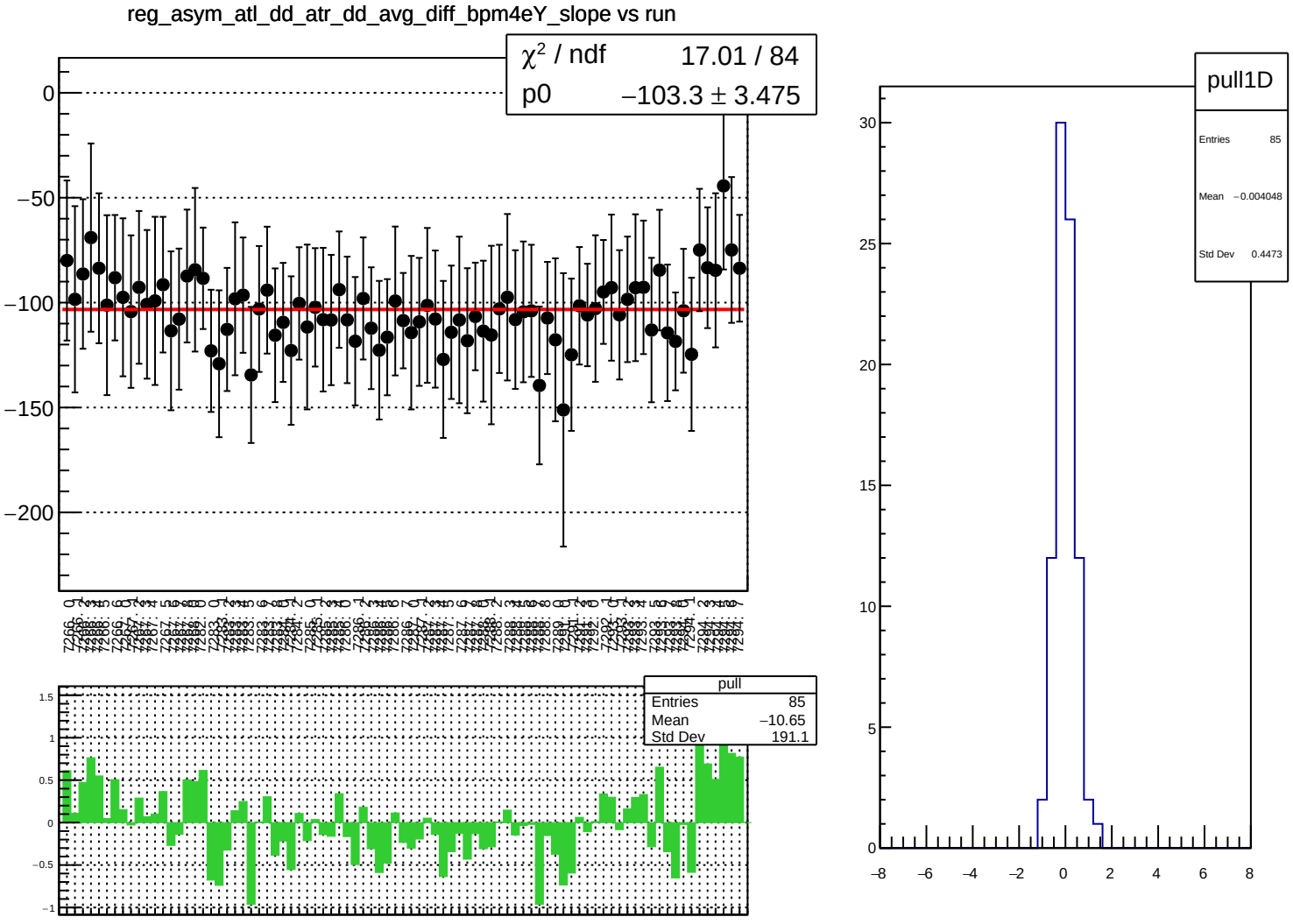

pull1D
Entries 85
Mean 0.07276
Std Dev 0.7184

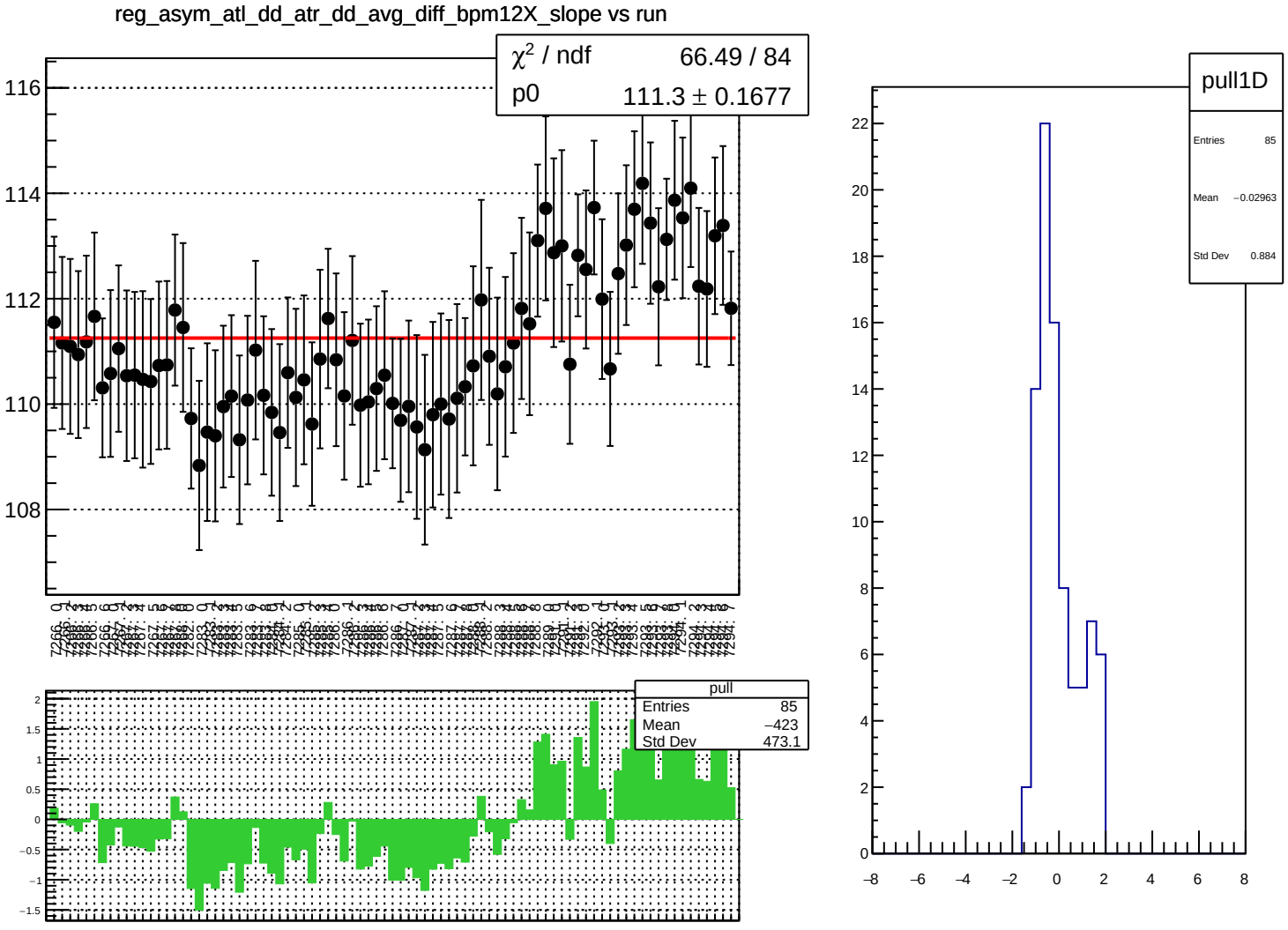

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.08 / 84
p0 31.88 ± 3.311
150
100
50
0
−50
pull
Entries 85
Mean 63.74
Std Dev 100.2
1
0.5
0
−0.5
−1


pull1D
Entries 85
Mean 0.009972
Std Dev 0.4069
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

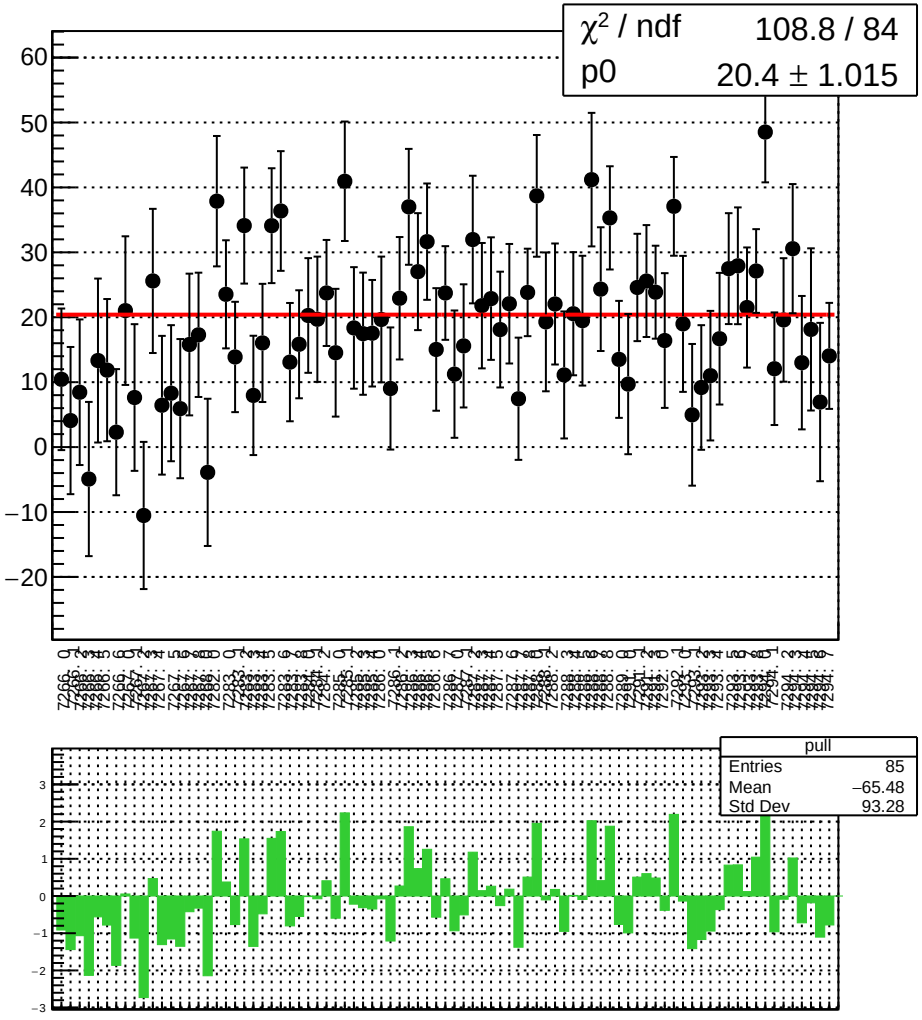

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.87 / 84
p0 −134.1 ± 3.437
pull
Entries 85
Mean −29.07
Std Dev 48.99

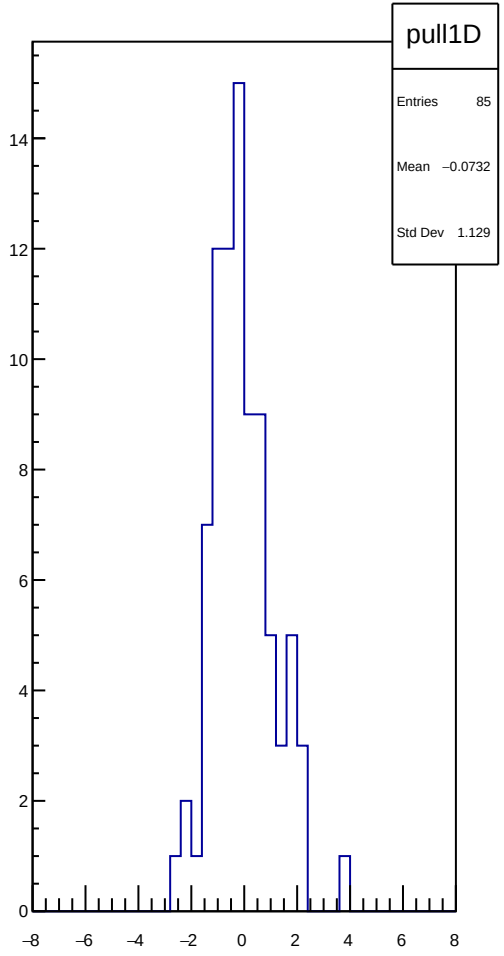

pull1D
Entries 85
Mean −0.1005
Std Dev 0.7822

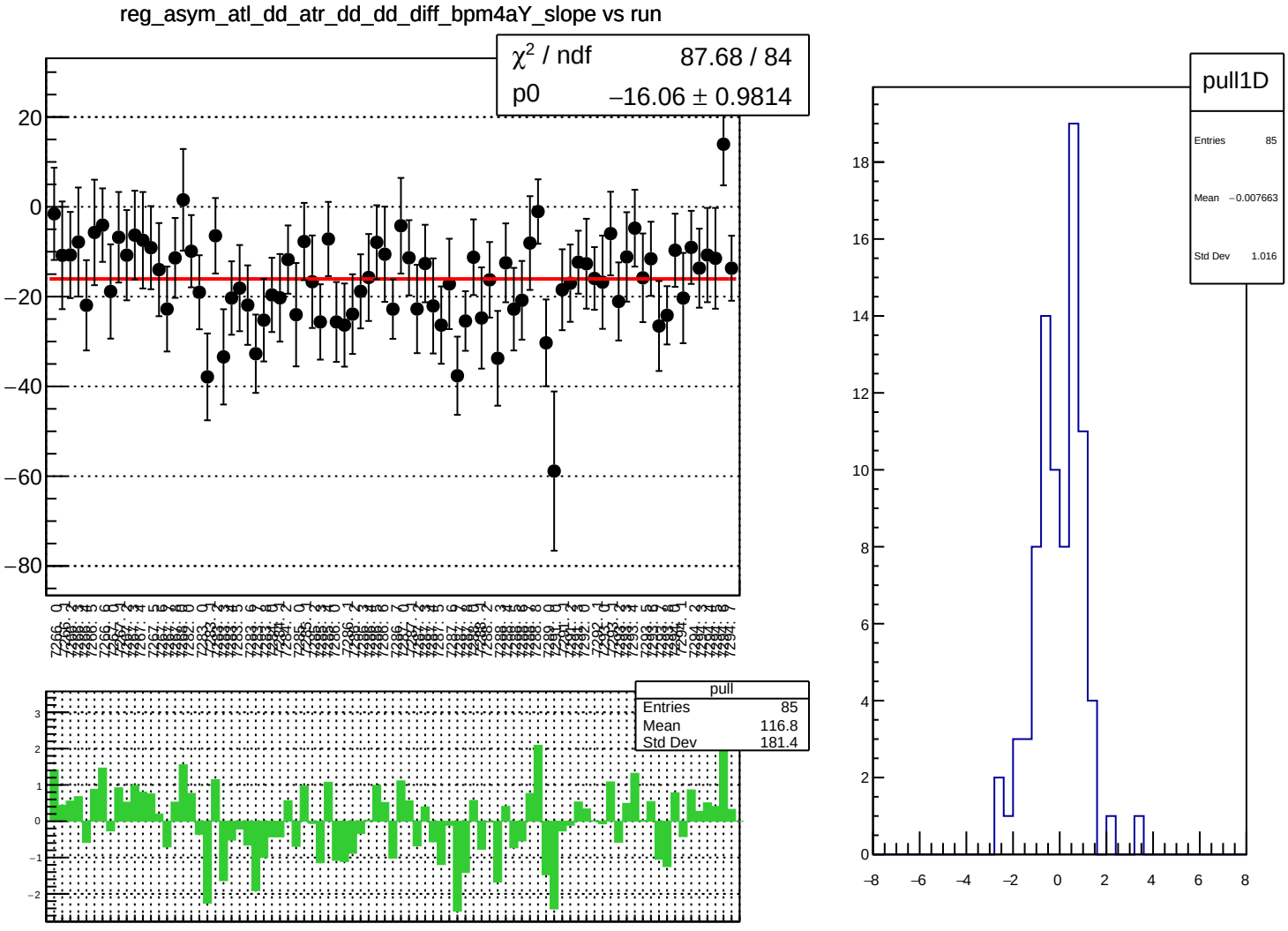

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.01 / 84
p0 −103.3 ± 3.475
pull
Entries 85
Mean −10.65
Std Dev 191.1
pull1D
Entries 85
Mean −0.004048
Std Dev 0.4473

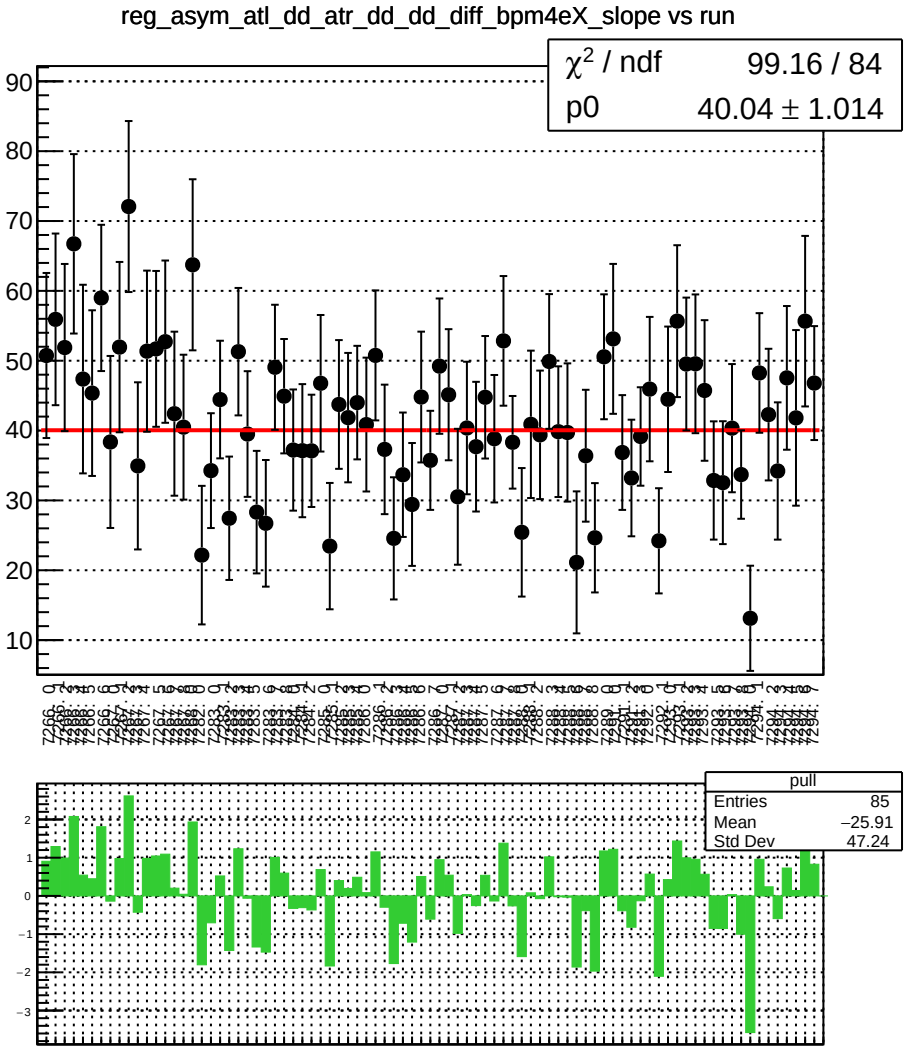

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 66.49 / 84
p0 111.3 ± 0.1677
pull
Entries 85
Mean −423
Std Dev 473.1
pull1D
Entries 85
Mean −0.02963
Std Dev 0.884

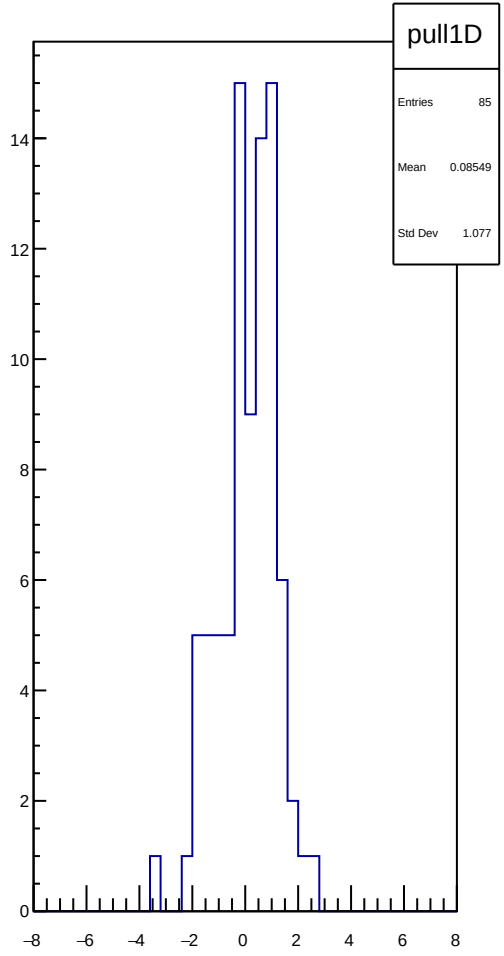
reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run

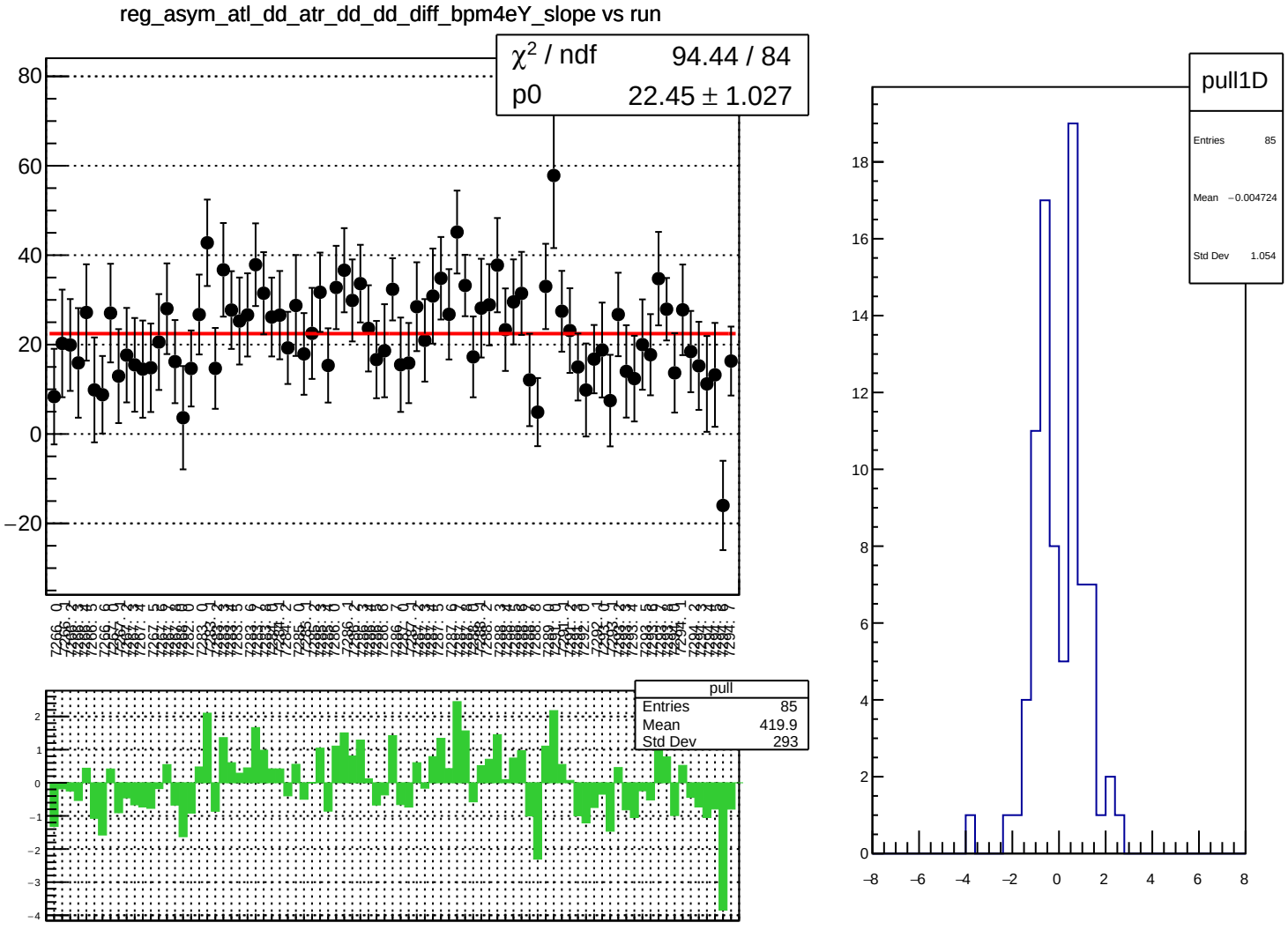




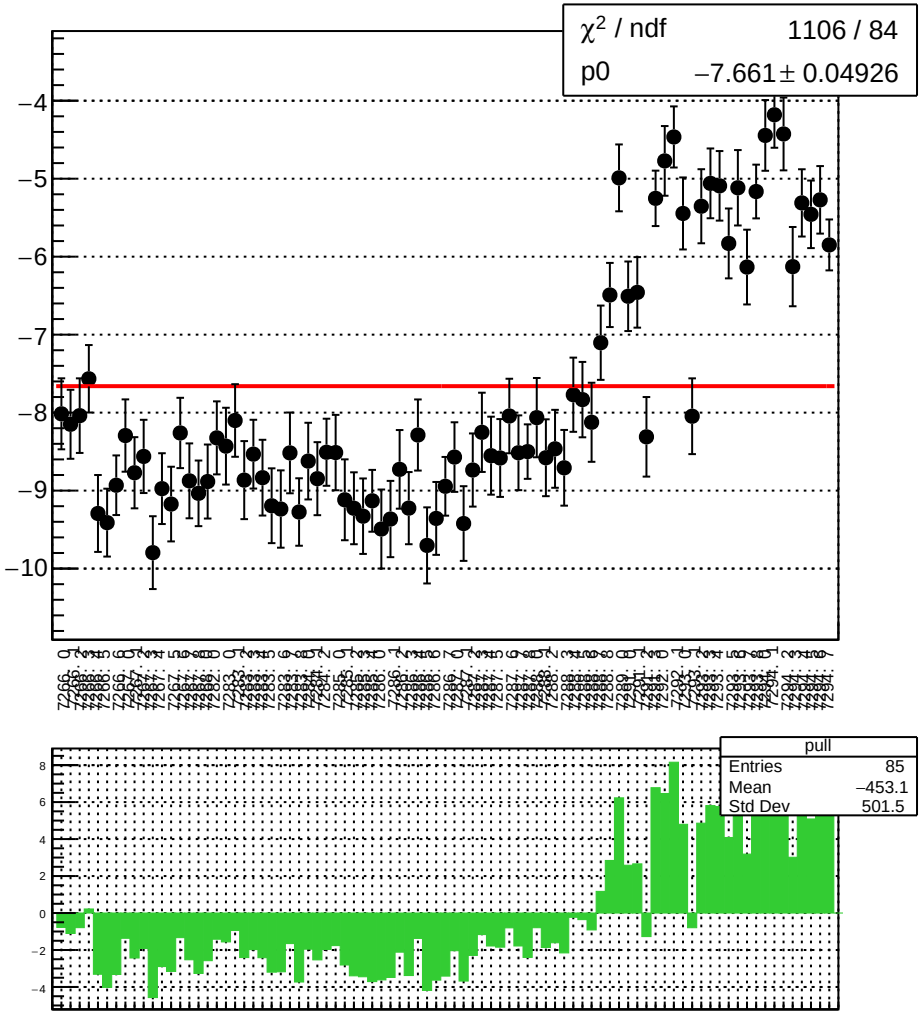

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 87.68 / 84
p0 −16.06 ± 0.9814
pull
Entries 85
Mean 116.8
Std Dev 181.4
pull1D
Entries 85
Mean −0.007663
Std Dev 1.016

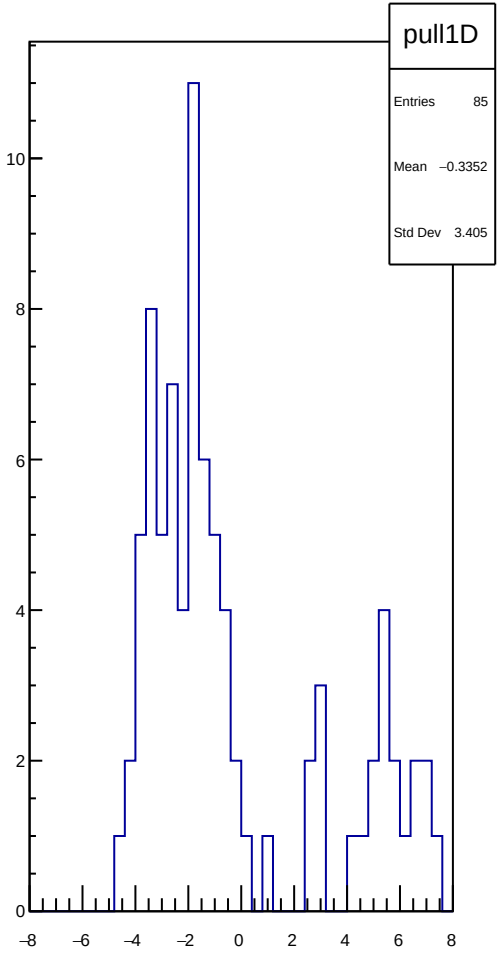

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 99.16 / 84
p0 40.04 ± 1.014
pull
Entries 85
Mean −25.91
Std Dev 47.24

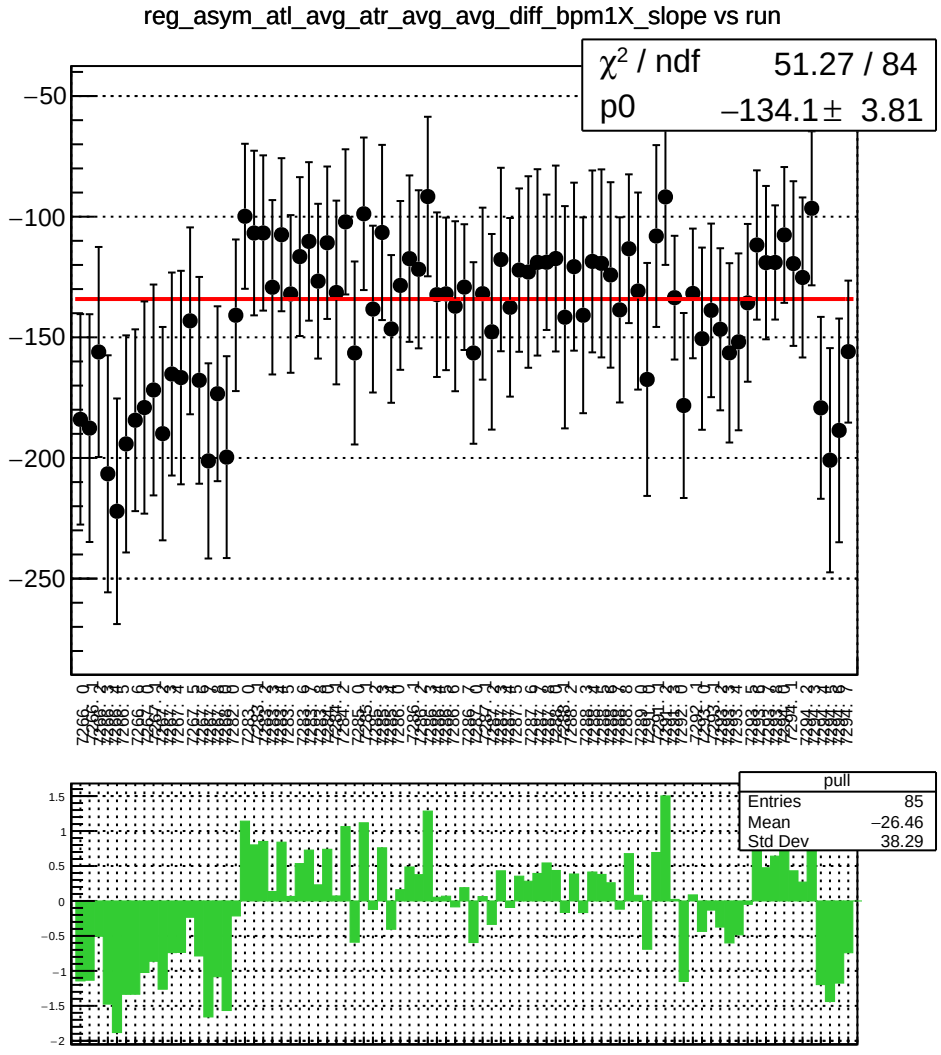

pull1D
Entries 85
Mean 0.08549
Std Dev 1.077

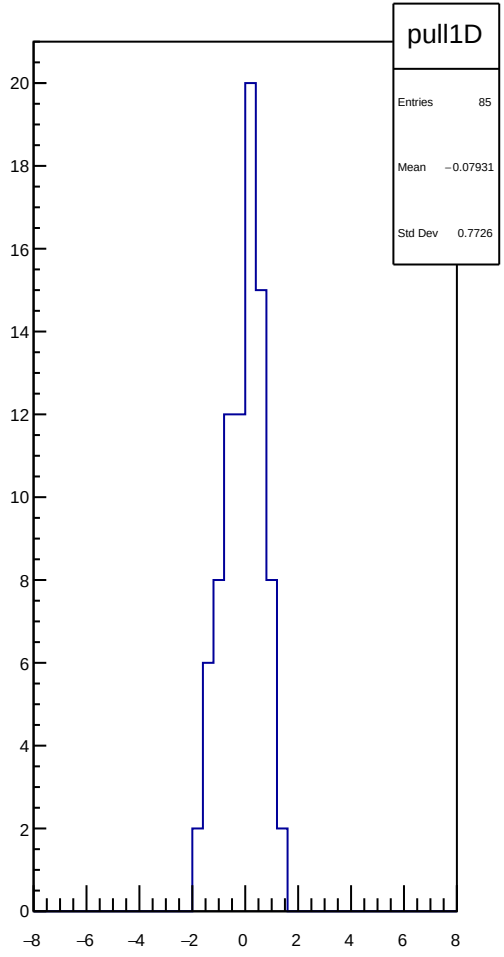

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 94.44 / 84
p0 22.45 ± 1.027
pull
Entries 85
Mean 419.9
Std Dev 293
pull1D
Entries 85
Mean −0.004724
Std Dev 1.054

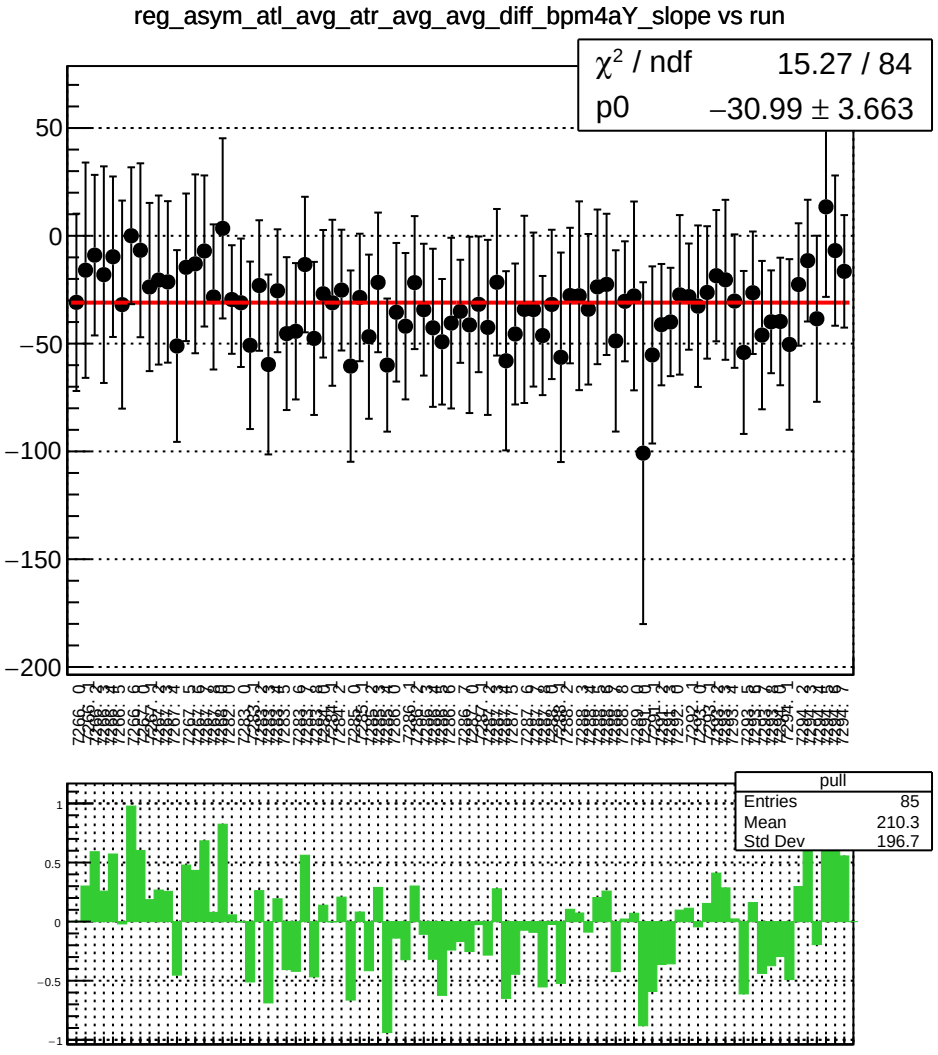
reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run

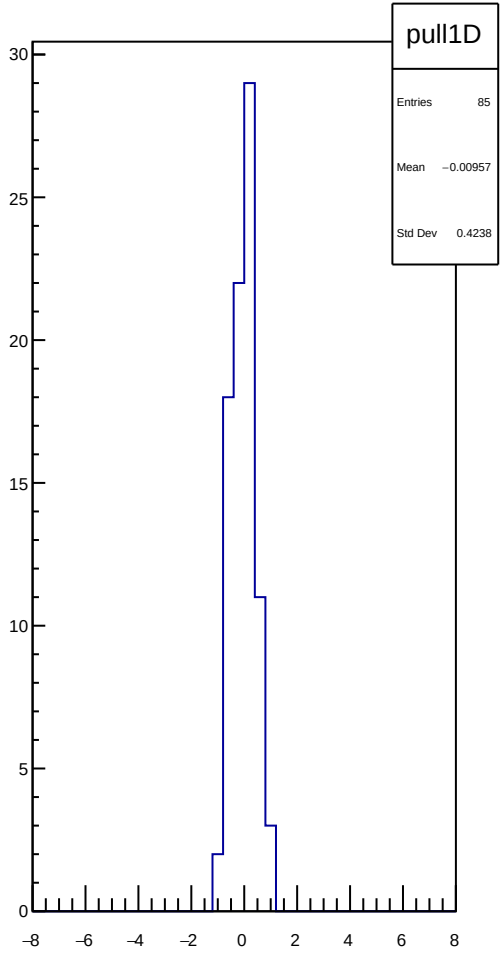


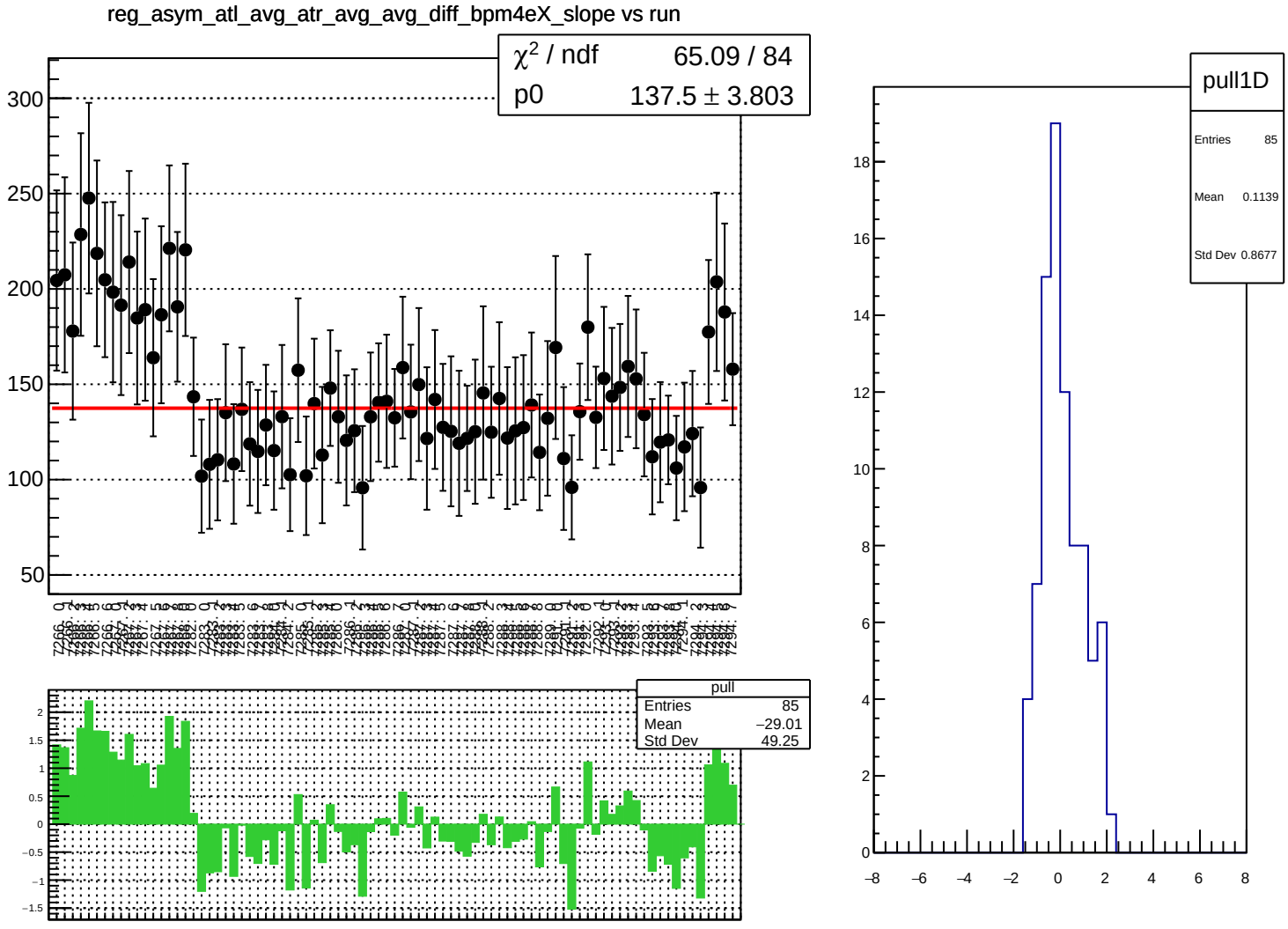


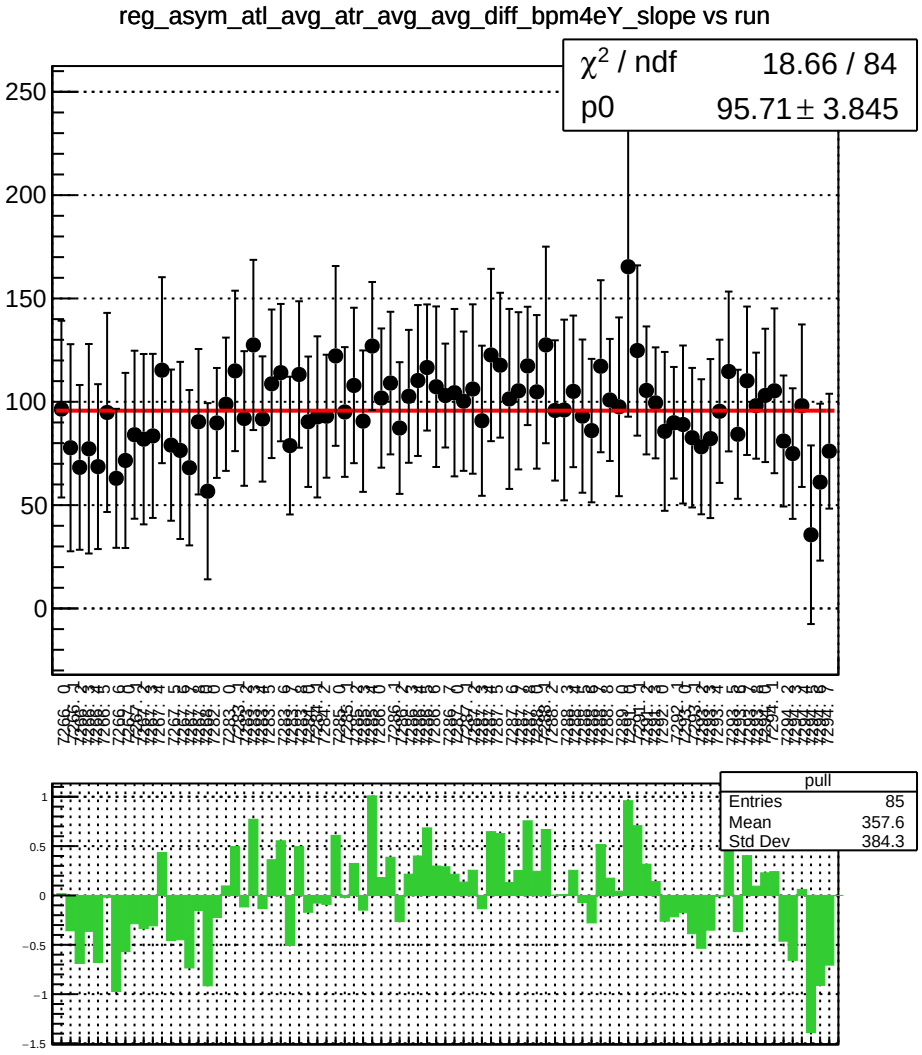

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 51.27 / 84
p0 −134.1 ± 3.81
pull
Entries 85
Mean −26.46
Std Dev 38.29

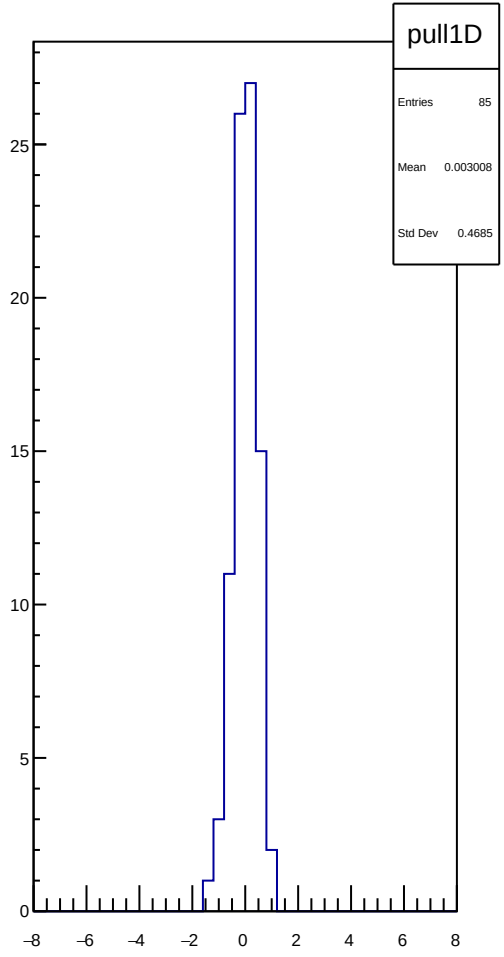

pull1D
Entries 85
Mean −0.07931
Std Dev 0.7726


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.27 / 84
p0 −30.99 ± 3.663
pull
Entries 85
Mean 210.3
Std Dev 196.7

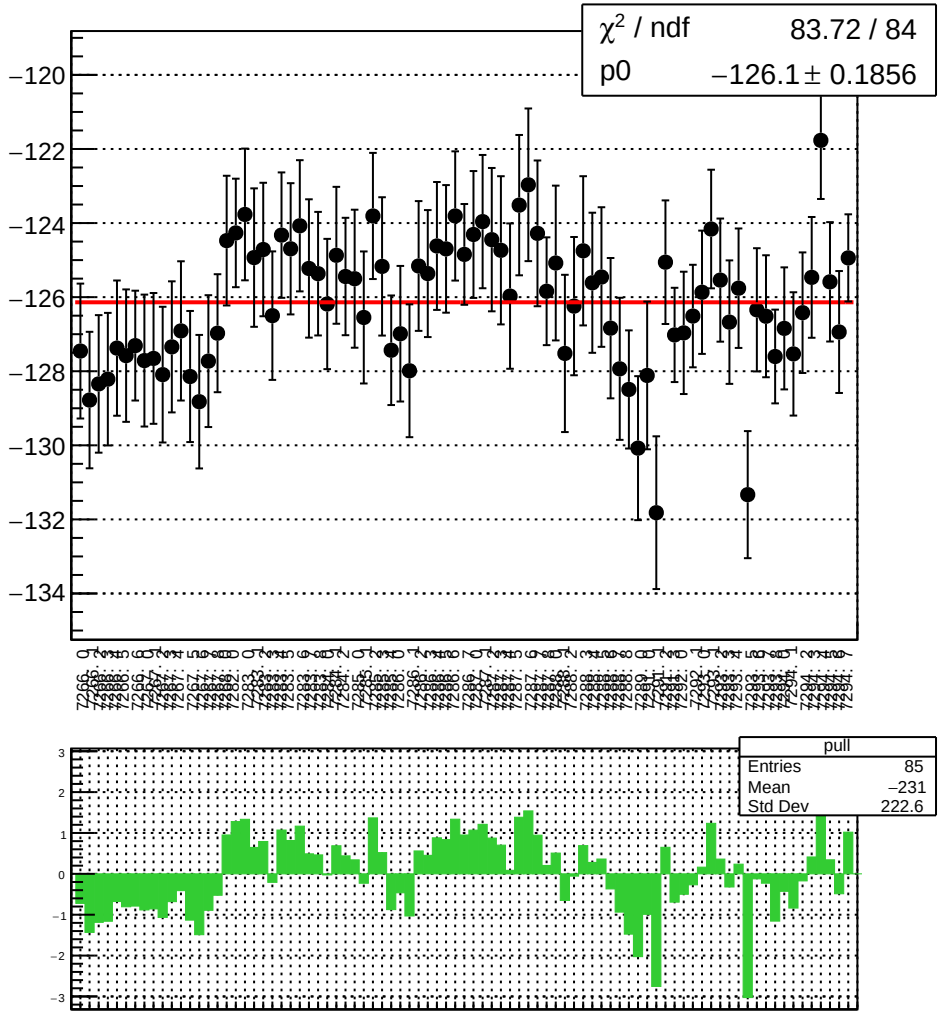

pull1D
Entries 85
Mean −0.00957
Std Dev 0.4238

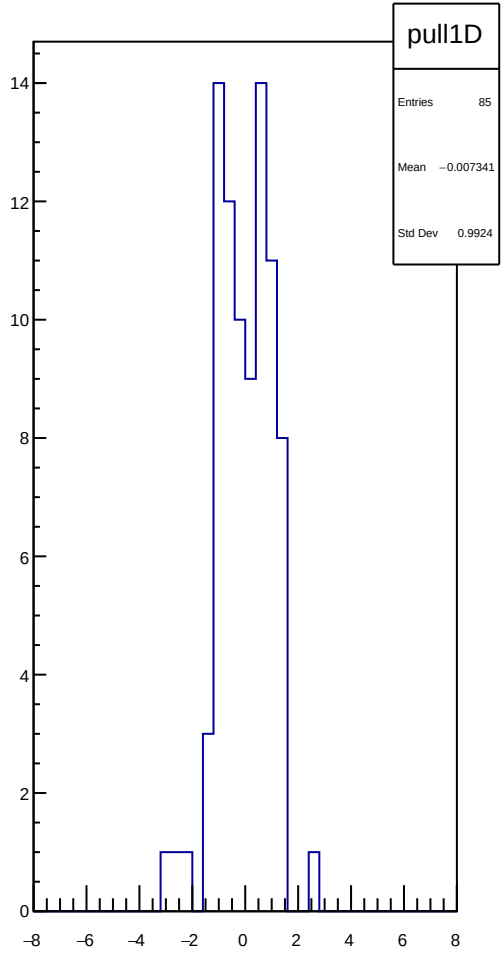

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 65.09 / 84
p0 137.5 ± 3.803
pull
Entries 85
Mean −29.01
Std Dev 49.25
pull1D
Entries 85
Mean 0.1139
Std Dev 0.8677

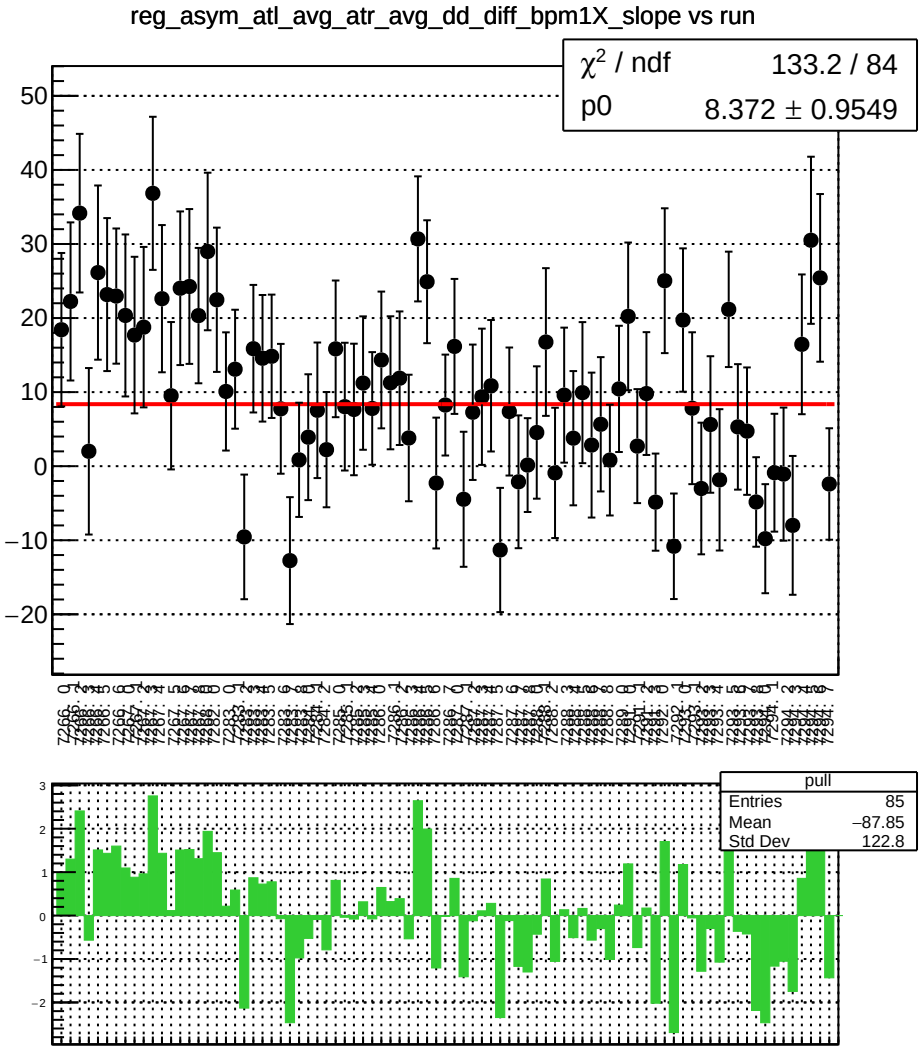

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.66 / 84
p0 95.71 ± 3.845
pull
Entries 85
Mean 357.6
Std Dev 384.3

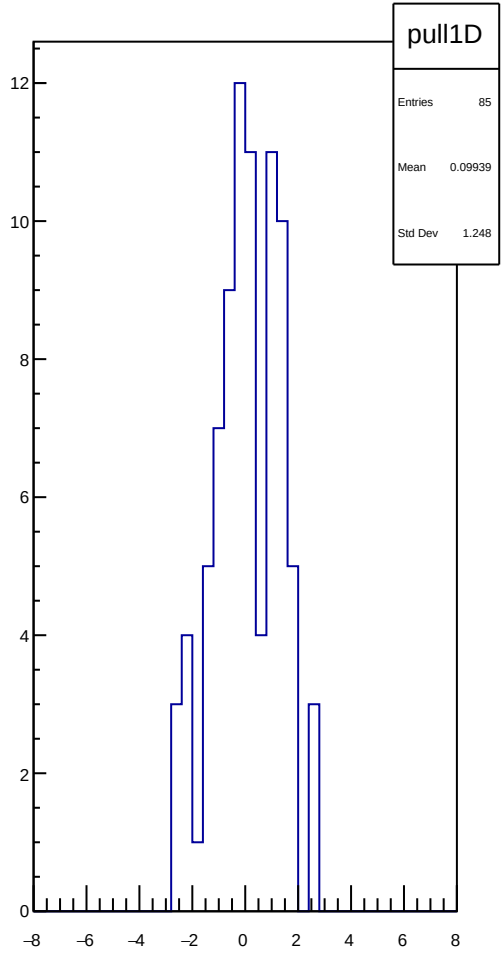

pull1D
Entries 85
Mean 0.003008
Std Dev 0.4685

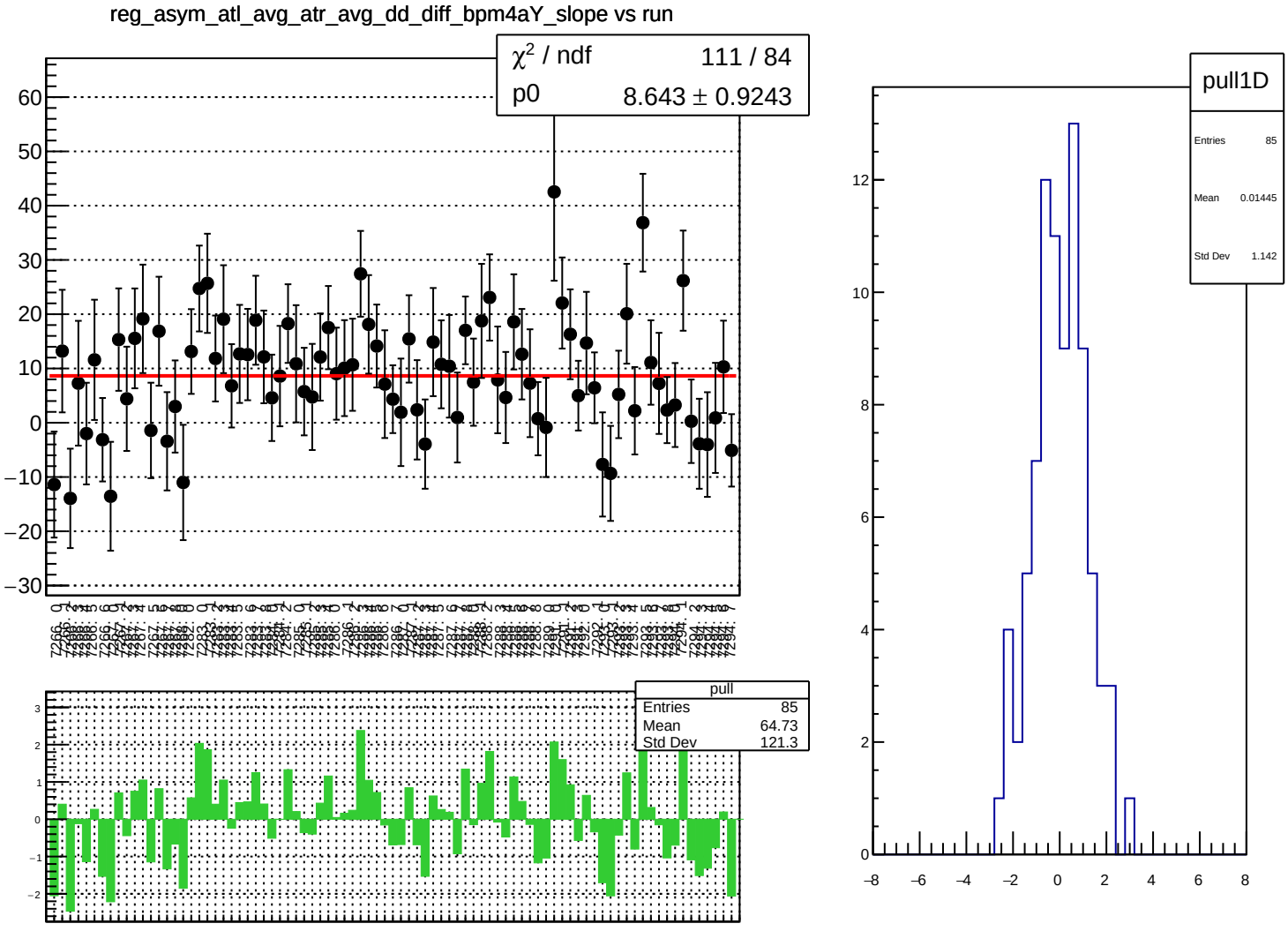
reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run

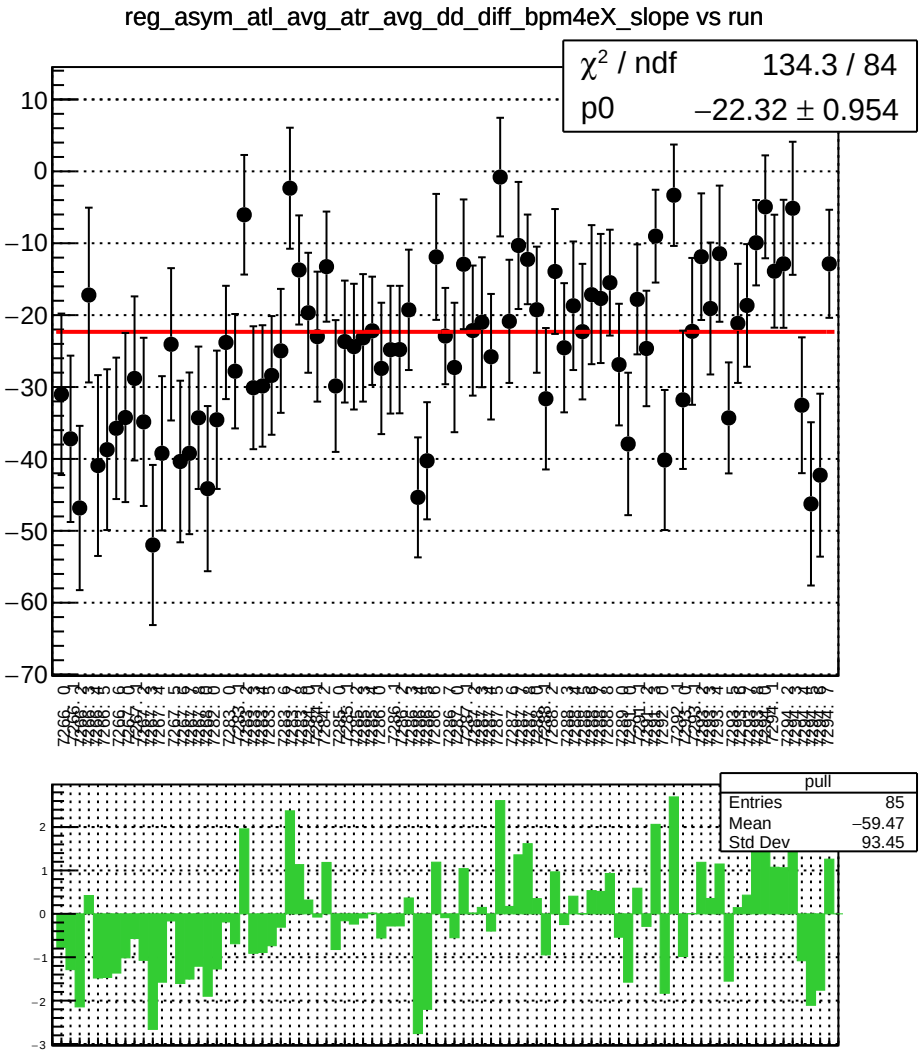


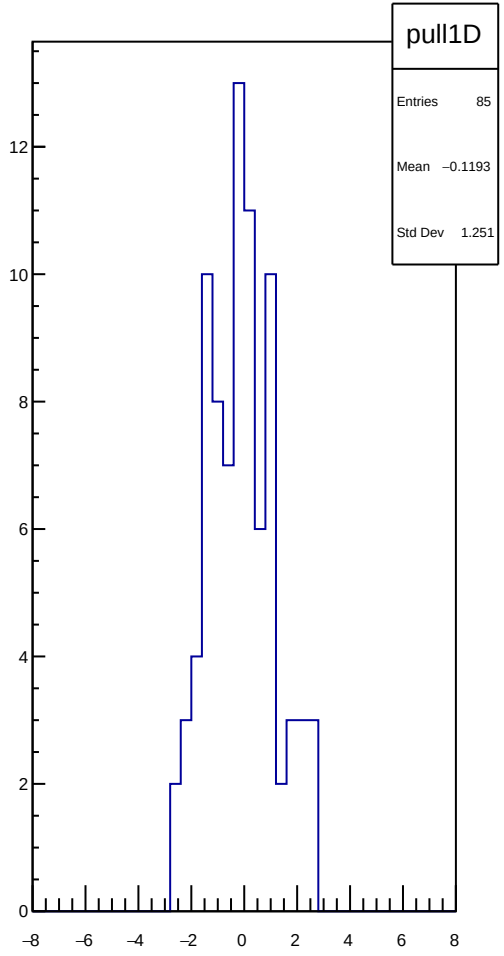


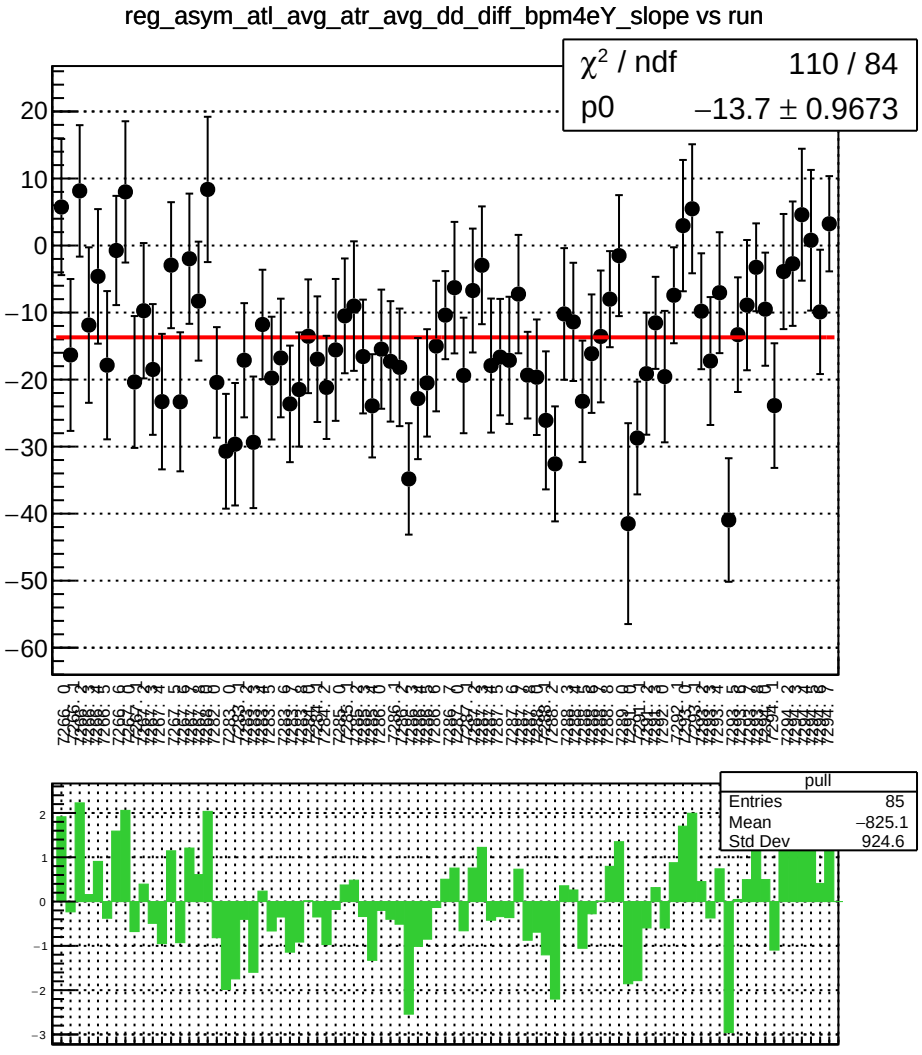

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 133.2 / 84
p0 8.372 ± 0.9549
pull
Entries 85
Mean −87.85
Std Dev 122.8

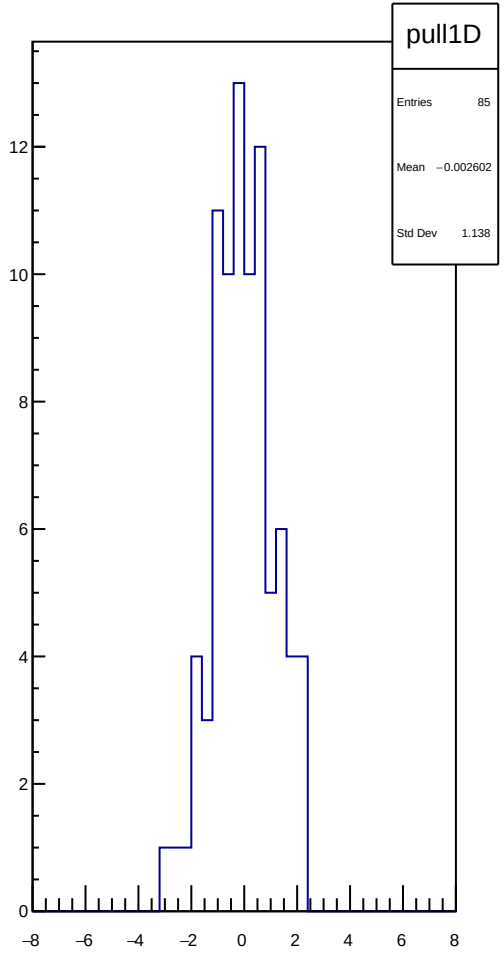

pull1D
Entries 85
Mean 0.09939
Std Dev 1.248

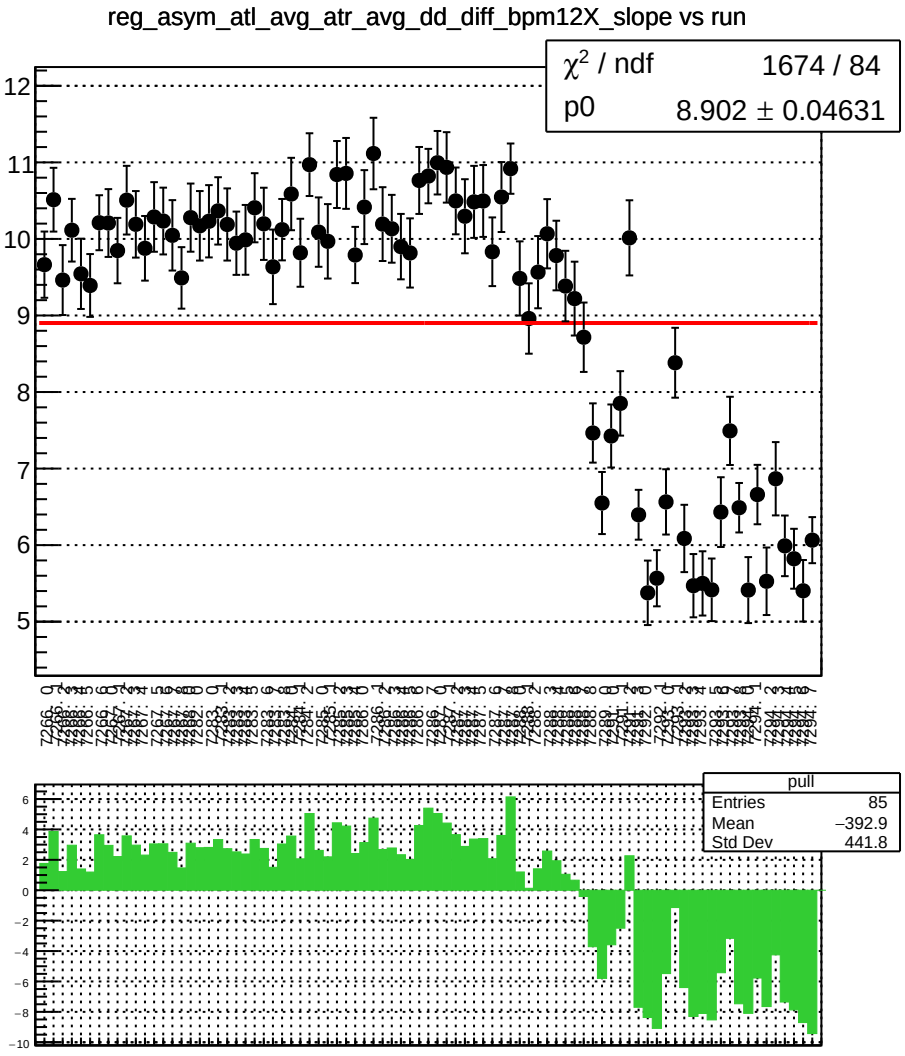

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 111 / 84
p0 8.643 ± 0.9243
pull
Entries 85
Mean 64.73
Std Dev 121.3
pull1D
Entries 85
Mean 0.01445
Std Dev 1.142

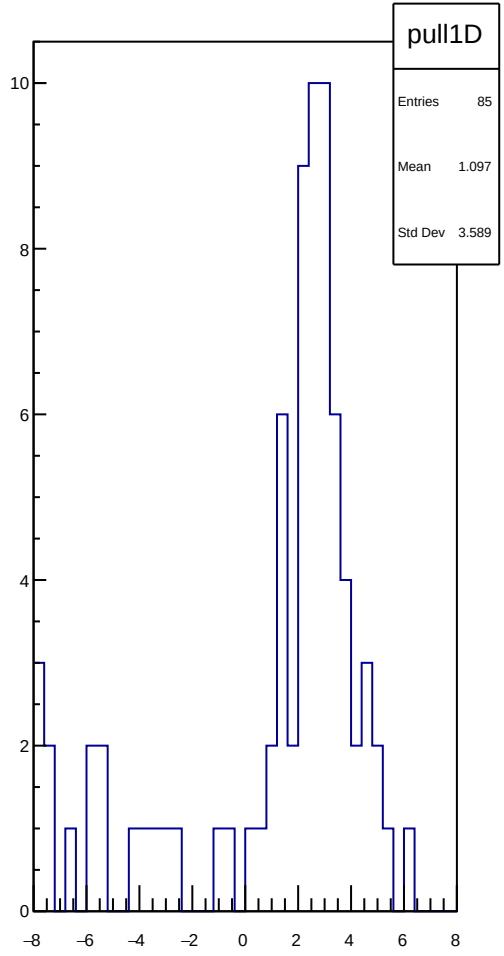

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 134.3 / 84
p0 −22.32 ± 0.954
pull
Entries 85
Mean −59.47
Std Dev 93.45

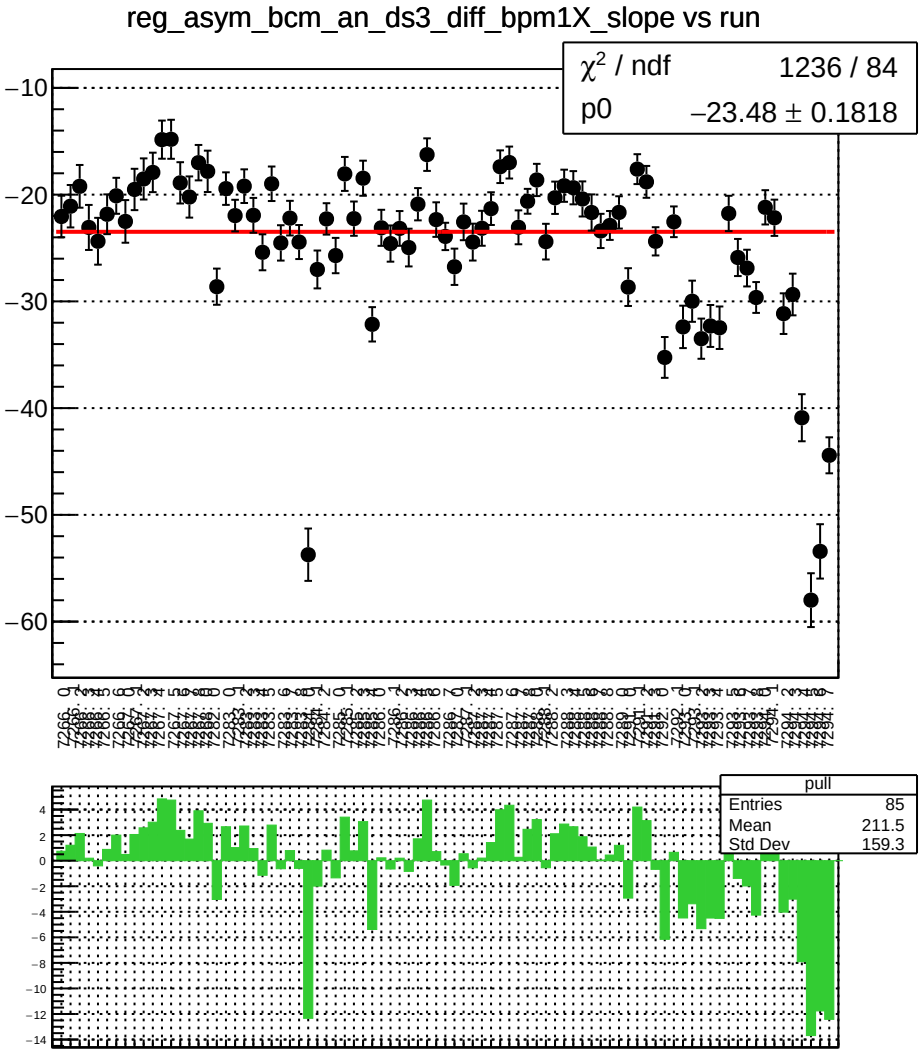

pull1D
Entries 85
Mean −0.1193
Std Dev 1.251

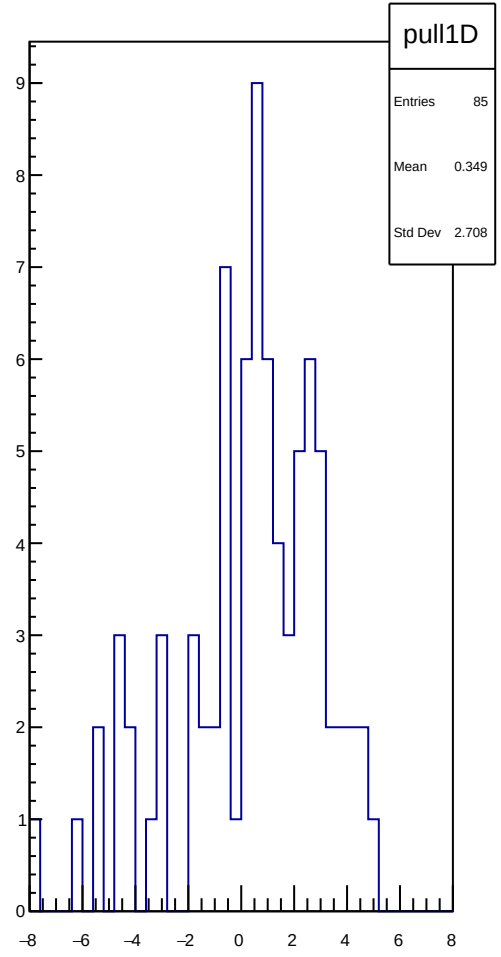

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 110 / 84
p0 −13.7 ± 0.9673
pull
Entries 85
Mean −825.1
Std Dev 924.6

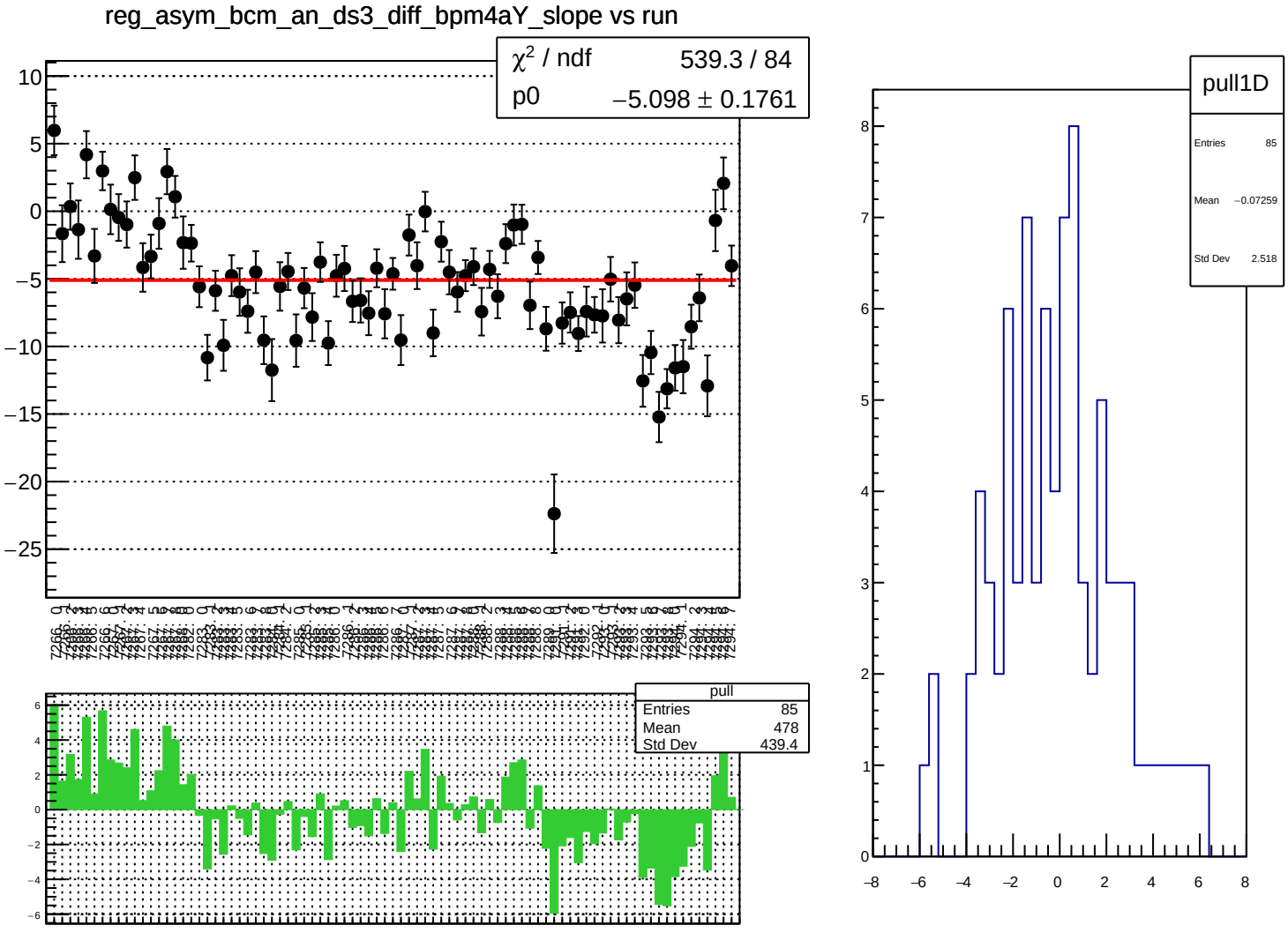

pull1D
Entries 85
Mean −0.002602
Std Dev 1.138

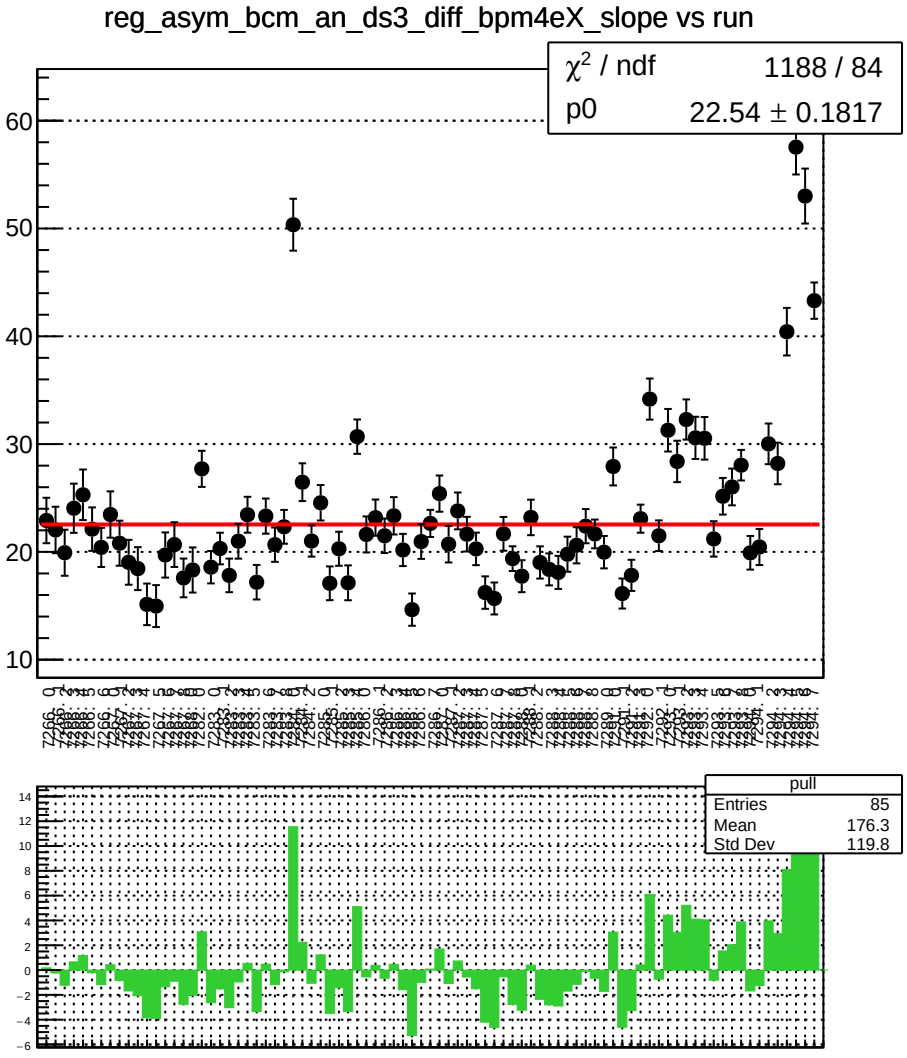

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 1674 / 84
p0 8.902 ± 0.04631
pull
Entries 85
Mean −392.9
Std Dev 441.8

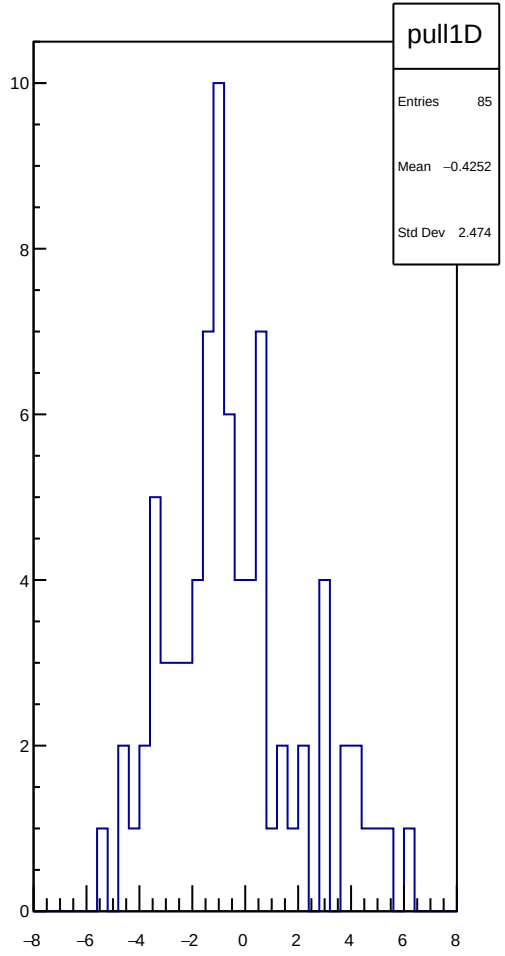

pull1D
Entries 85
Mean 1.097
Std Dev 3.589

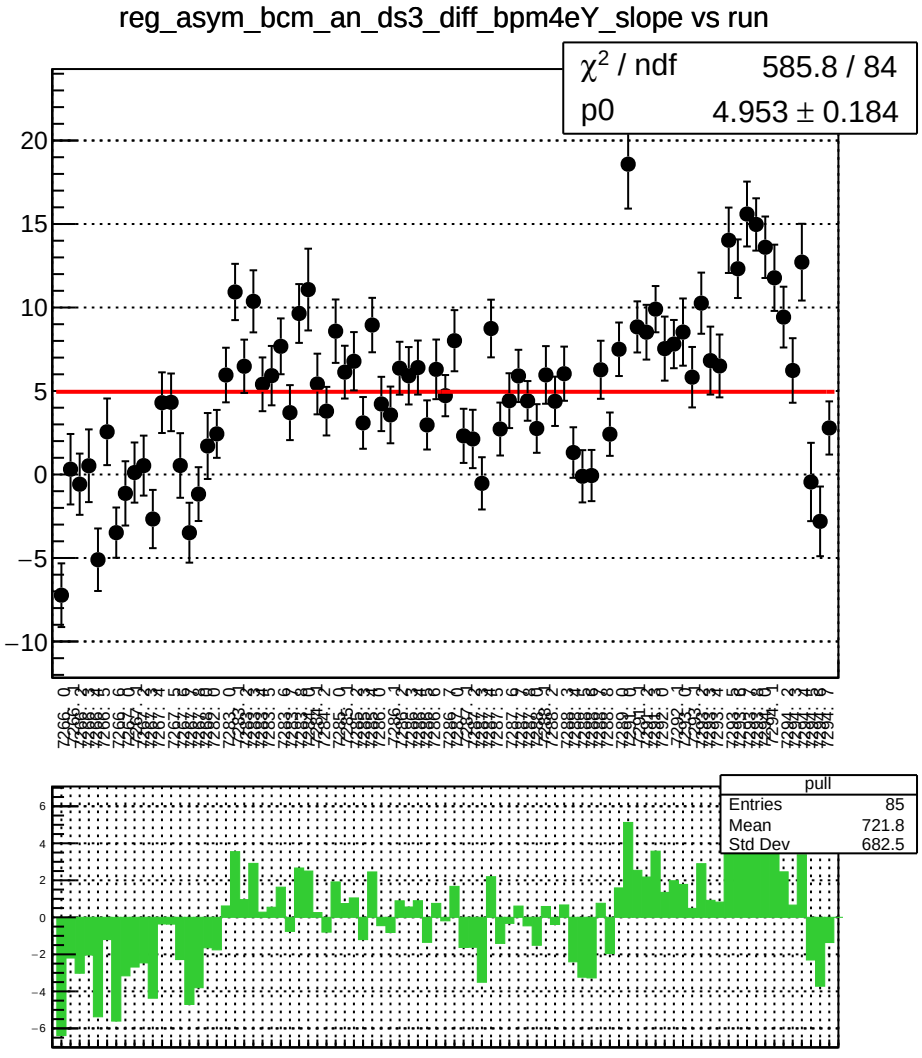

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 1236 / 84
p0 −23.48 ± 0.1818
pull
Entries 85
Mean 211.5
Std Dev 159.3

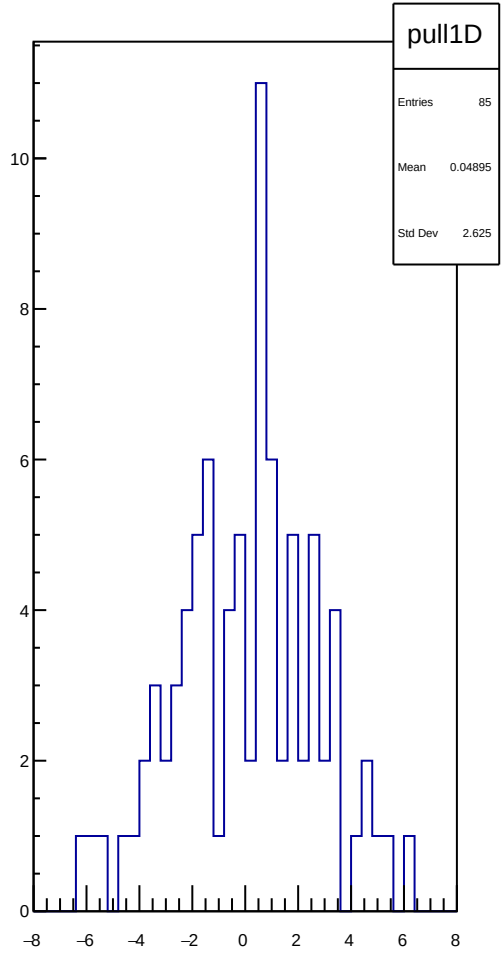

pull1D
Entries 85
Mean 0.349
Std Dev 2.708

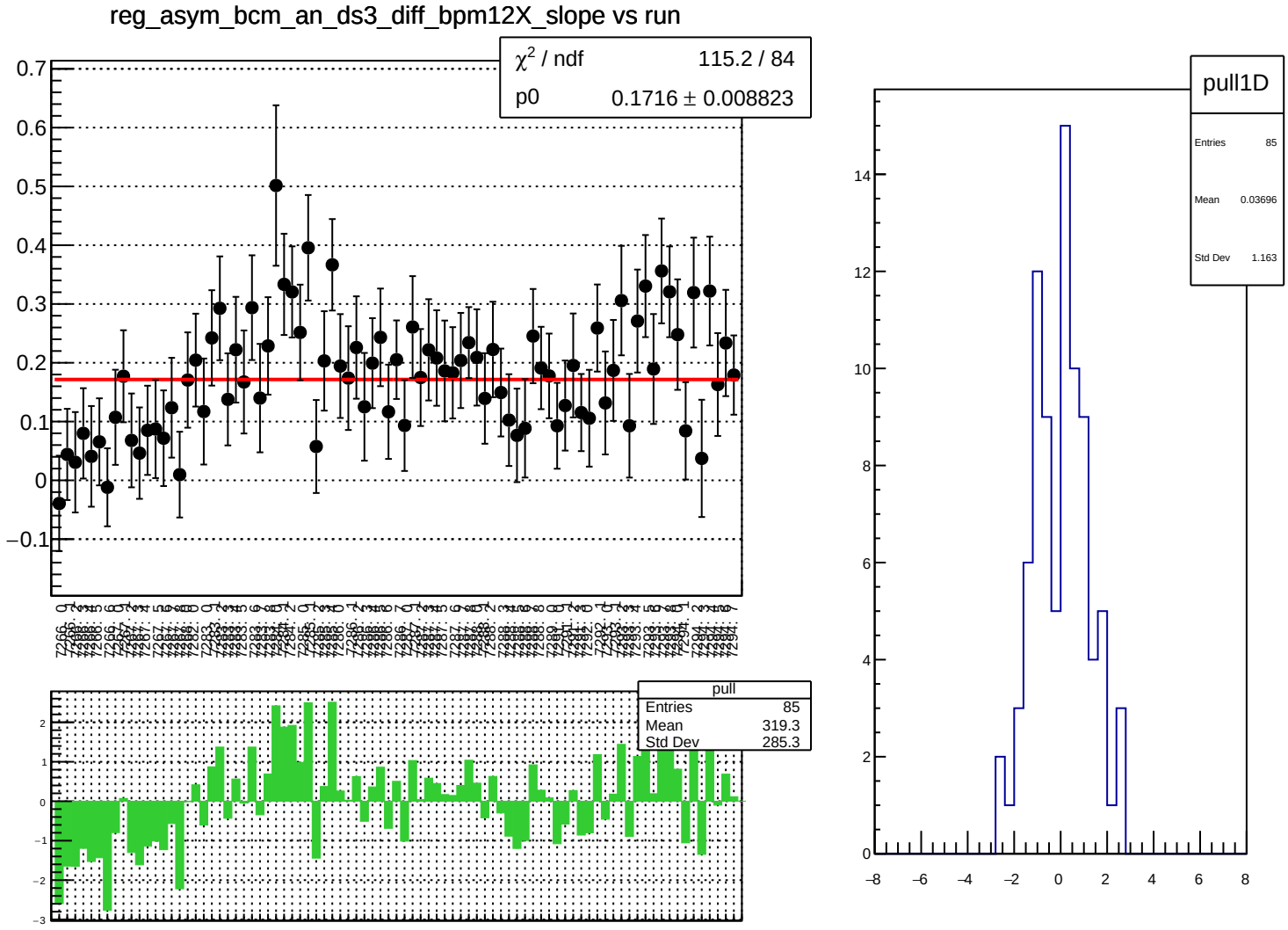

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 539.3 / 84
p0 −5.098 ± 0.1761
pull
Entries 85
Mean 478
Std Dev 439.4
pull1D
Entries 85
Mean −0.07259
Std Dev 2.518

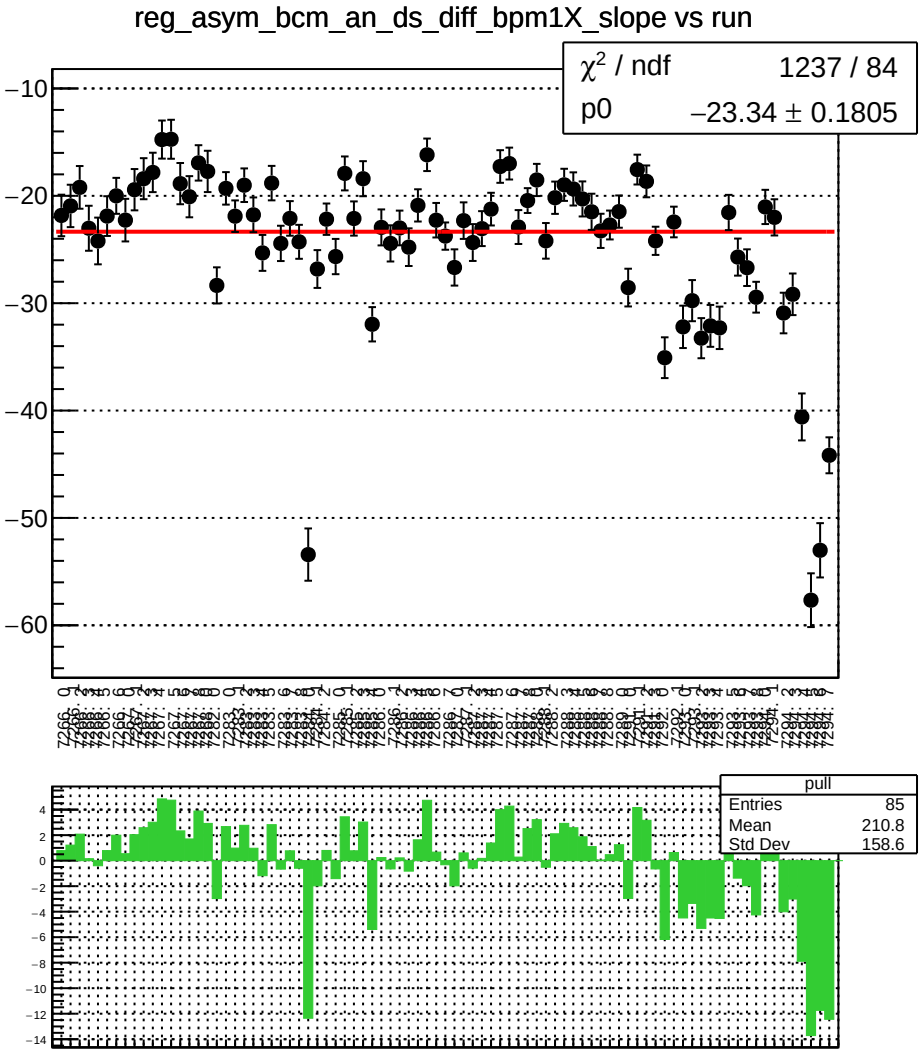

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ^2 / ndf 1188 / 84
p0 22.54 ± 0.1817
pull
Entries 85
Mean 176.3
Std Dev 119.8

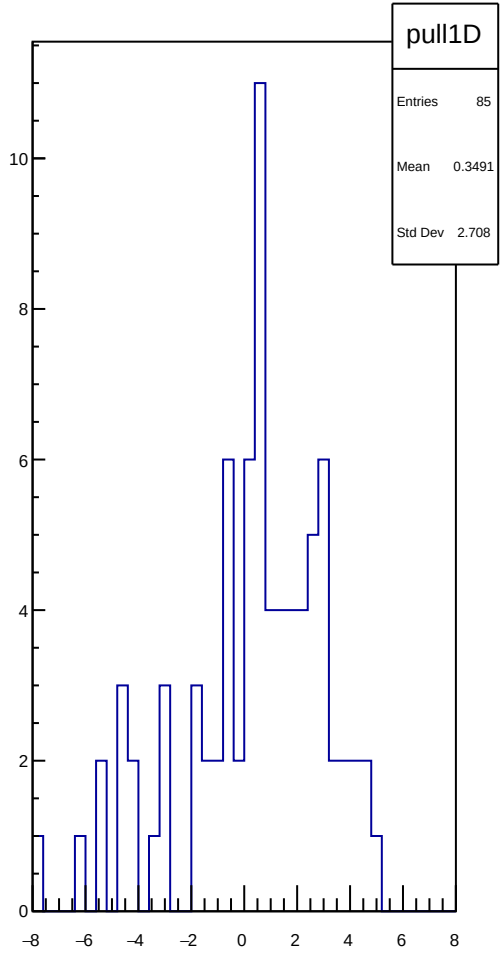

pull1D
Entries 85
Mean −0.4252
Std Dev 2.474

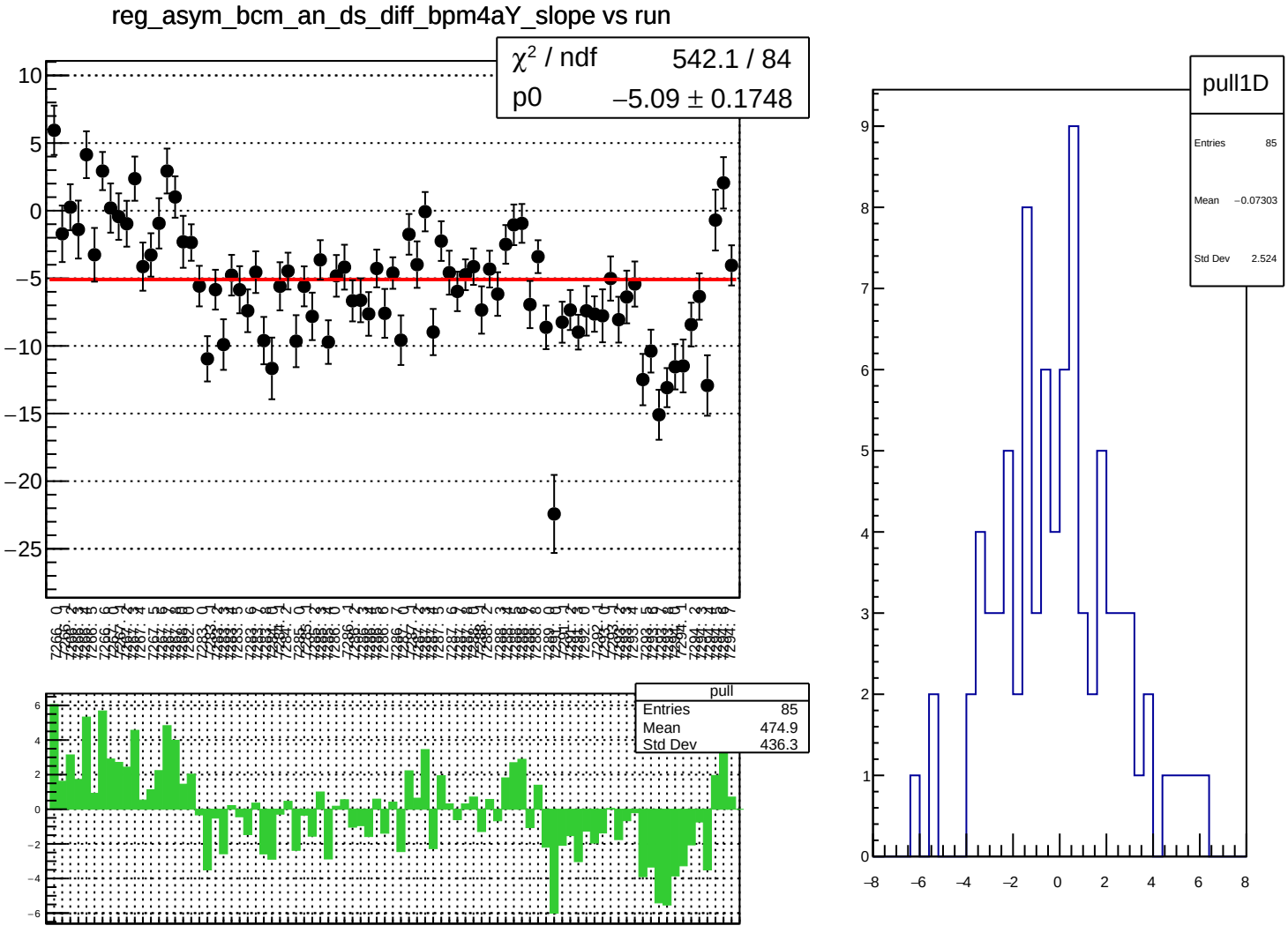

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 585.8 / 84
p0 4.953 ± 0.184
pull
Entries 85
Mean 721.8
Std Dev 682.5

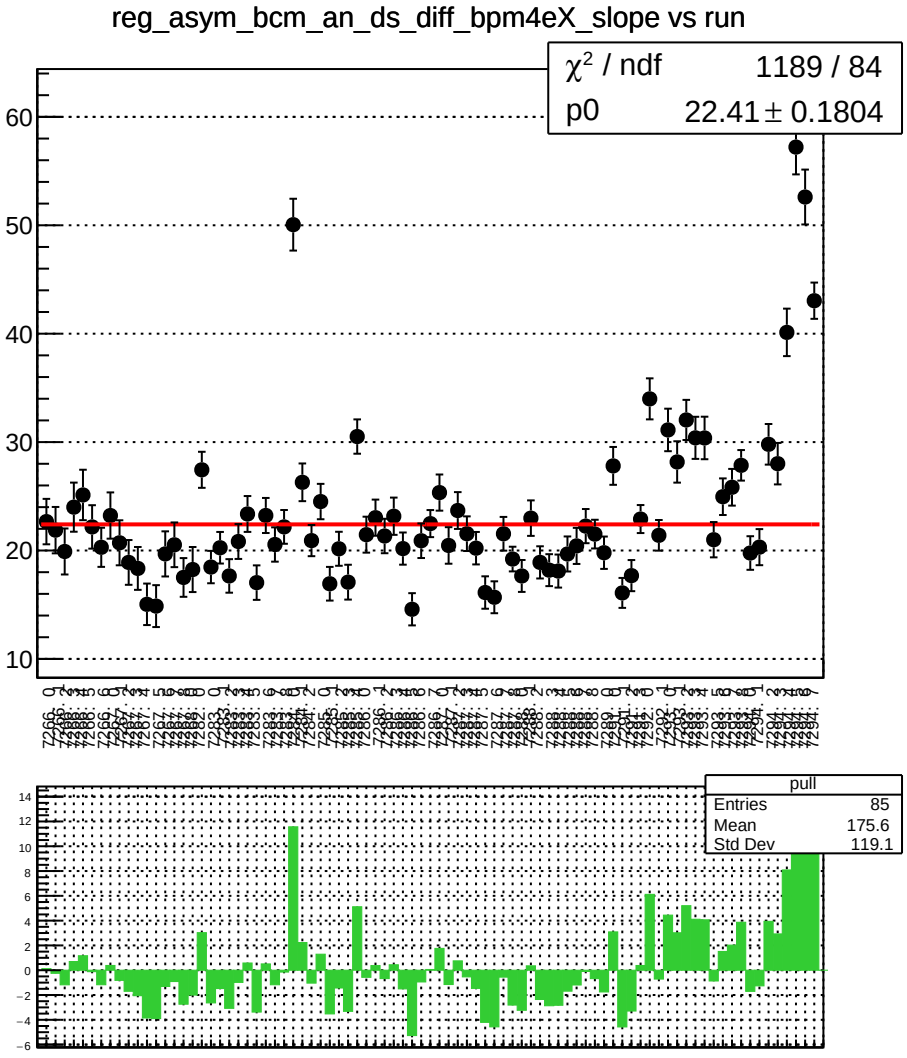

pull1D
Entries 85
Mean 0.04895
Std Dev 2.625

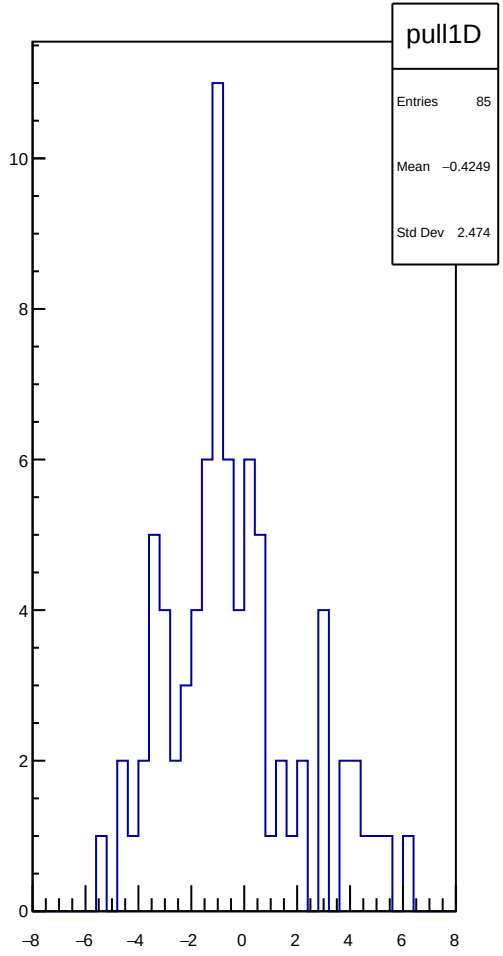

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ2 / ndf 115.2 / 84
p0 0.1716 ± 0.008823
pull
Entries 85
Mean 319.3
Std Dev 285.3
pull1D
Entries 85
Mean 0.03696
Std Dev 1.163


reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 1237 / 84
p0 −23.34 ± 0.1805
pull
Entries 85
Mean 210.8
Std Dev 158.6

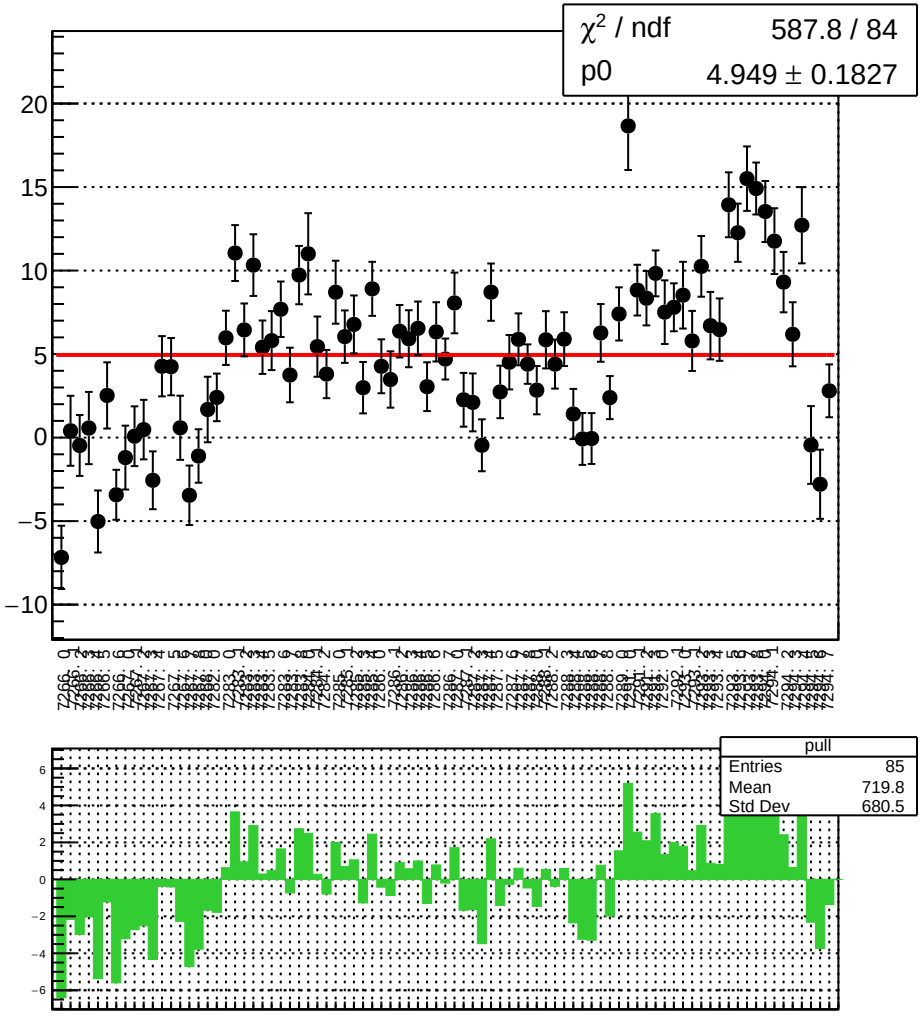

pull1D
Entries 85
Mean 0.3491
Std Dev 2.708

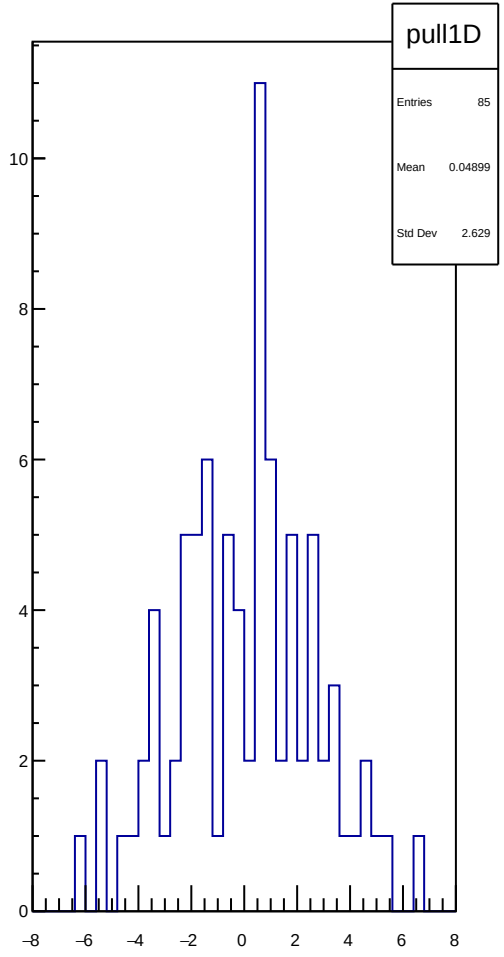

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 542.1 / 84
p0 −5.09 ± 0.1748
pull
Entries 85
Mean 474.9
Std Dev 436.3
pull1D
Entries 85
Mean −0.07303
Std Dev 2.524

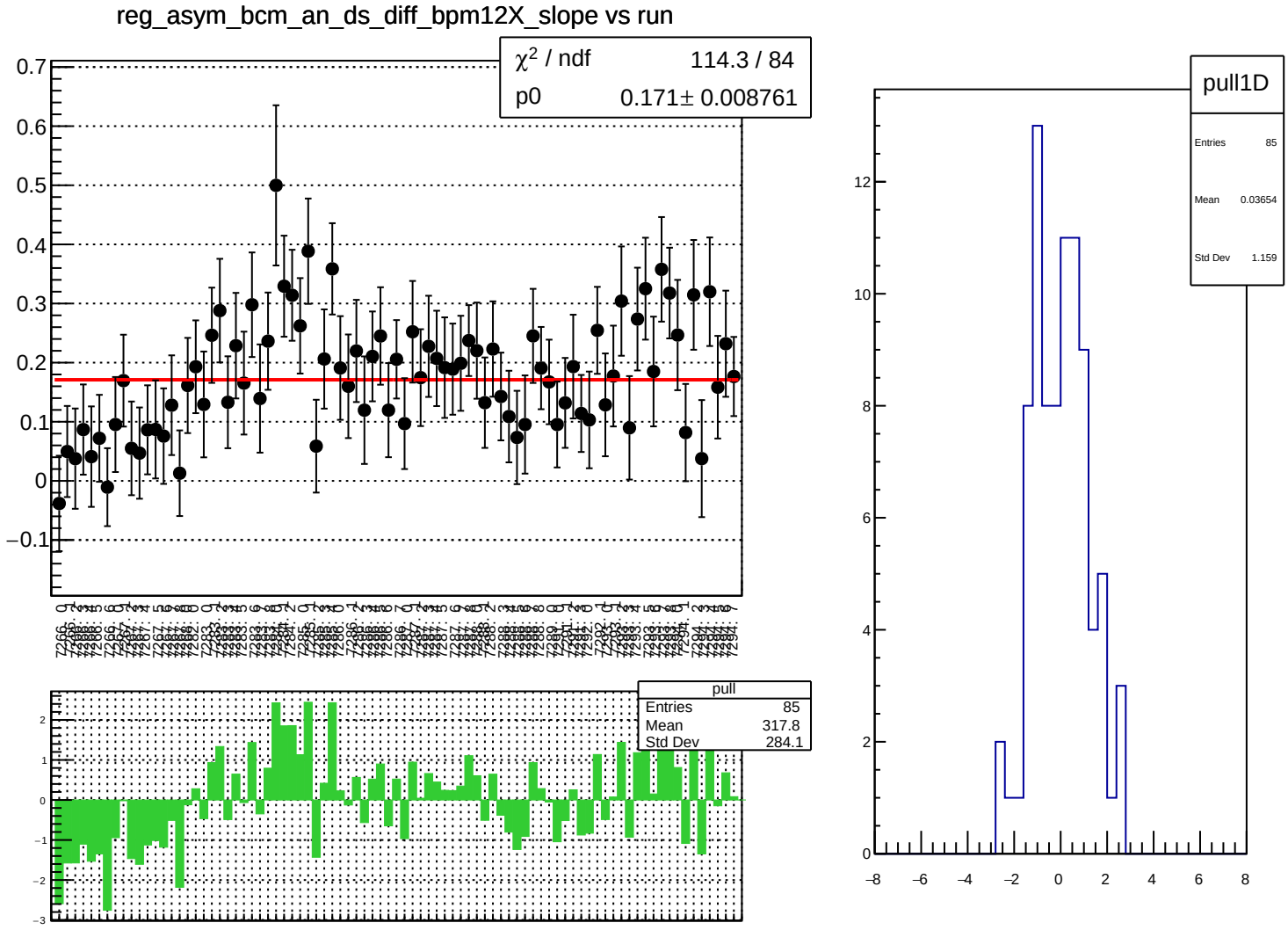

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1189 / 84
p0 22.41 ± 0.1804
pull
Entries 85
Mean 175.6
Std Dev 119.1

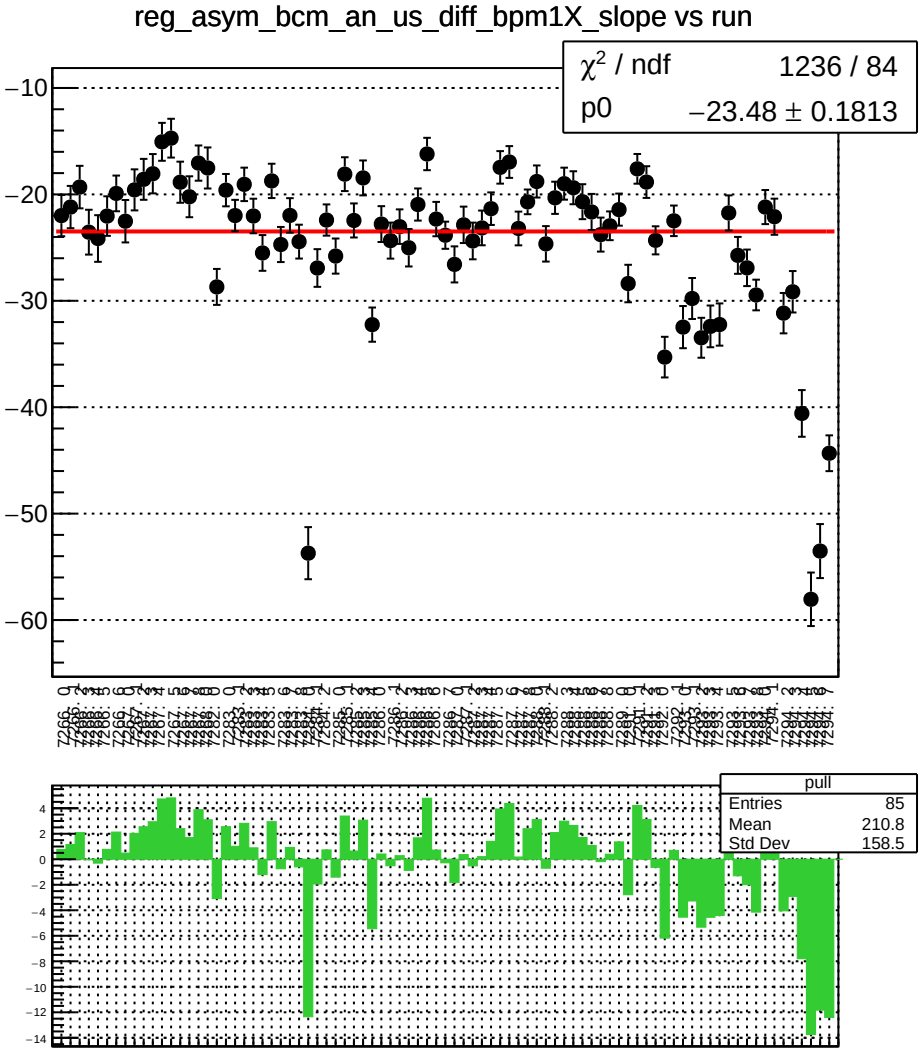

pull1D
Entries 85
Mean −0.4249
Std Dev 2.474

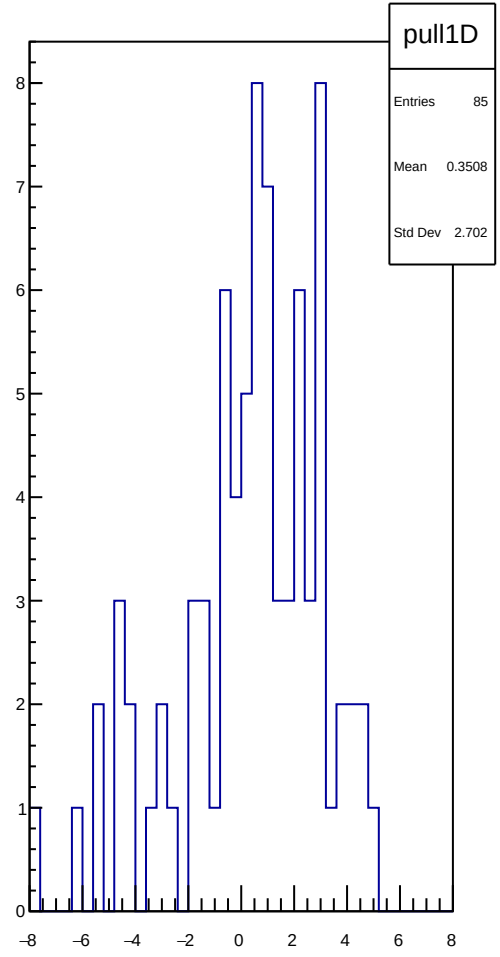
reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run

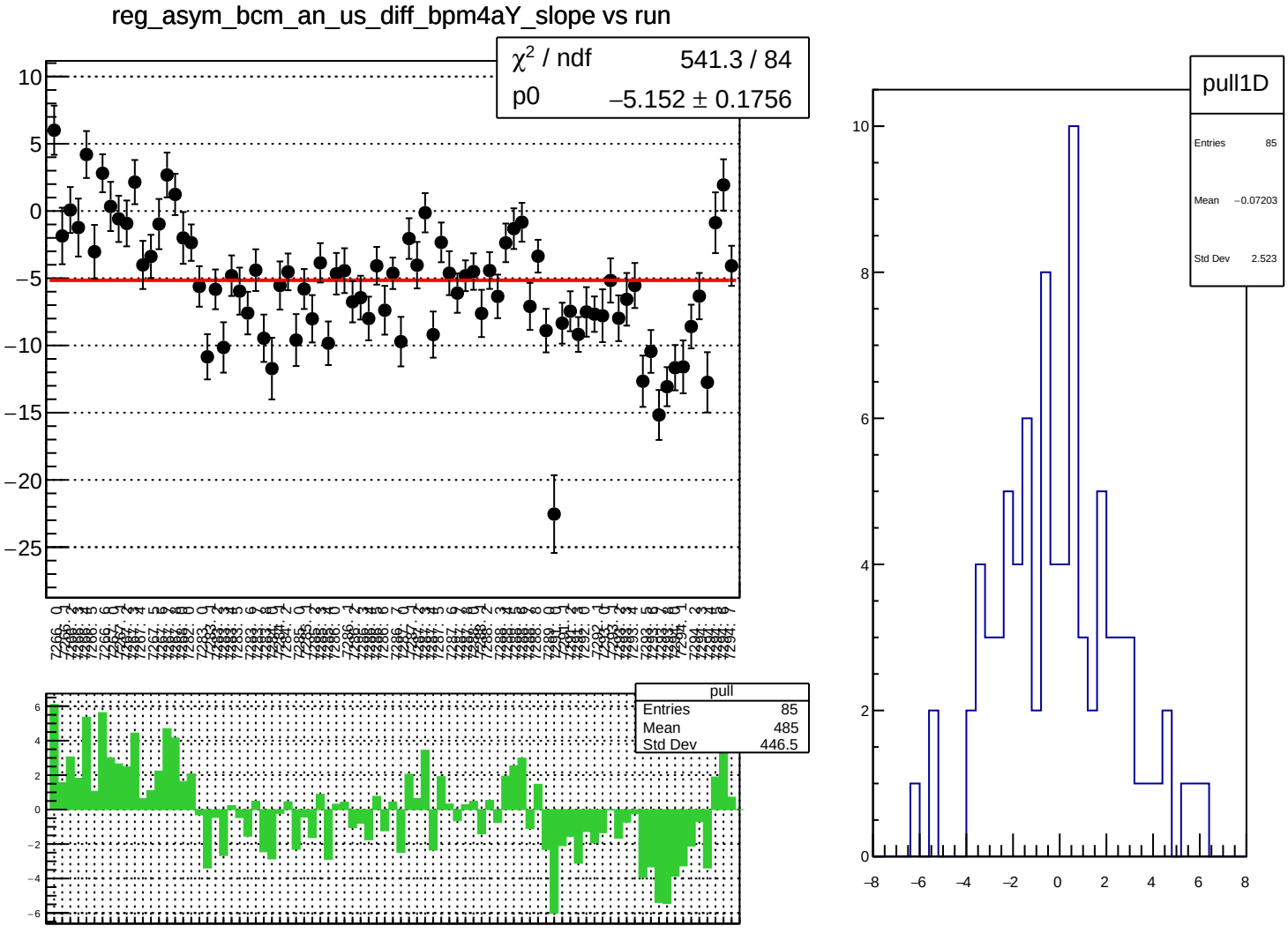


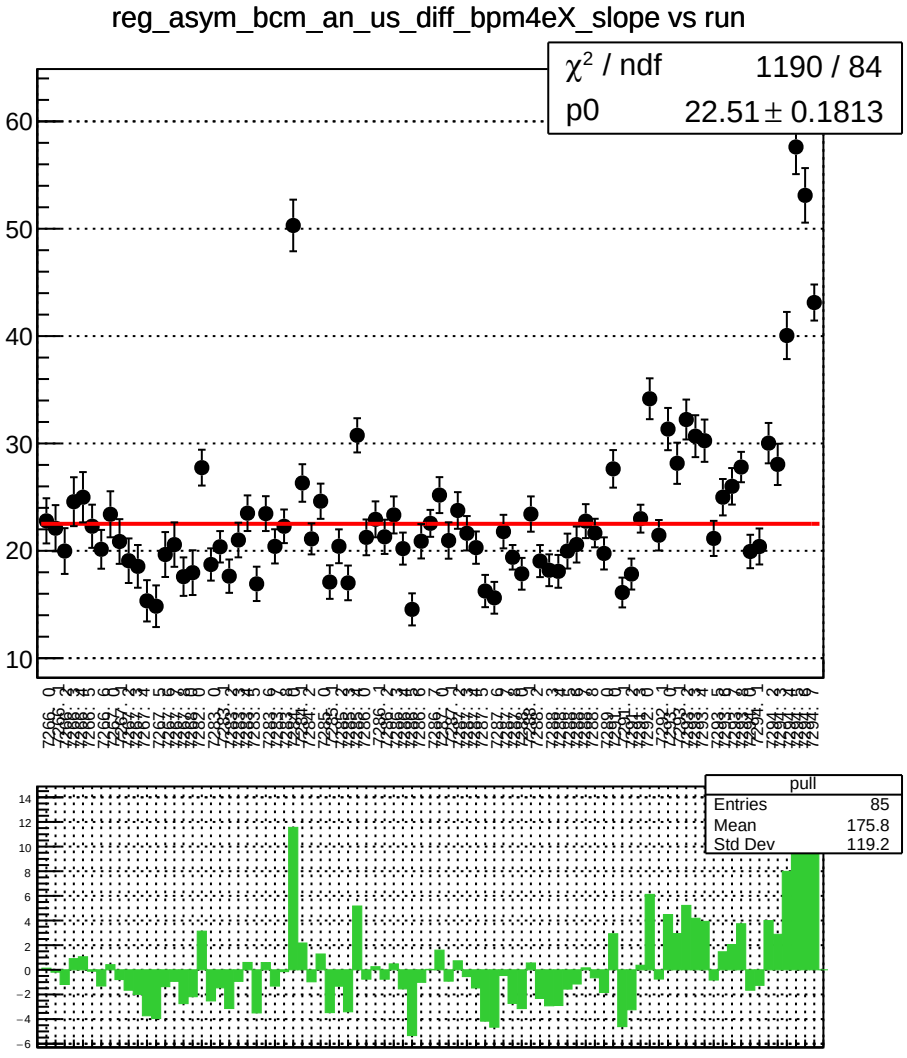


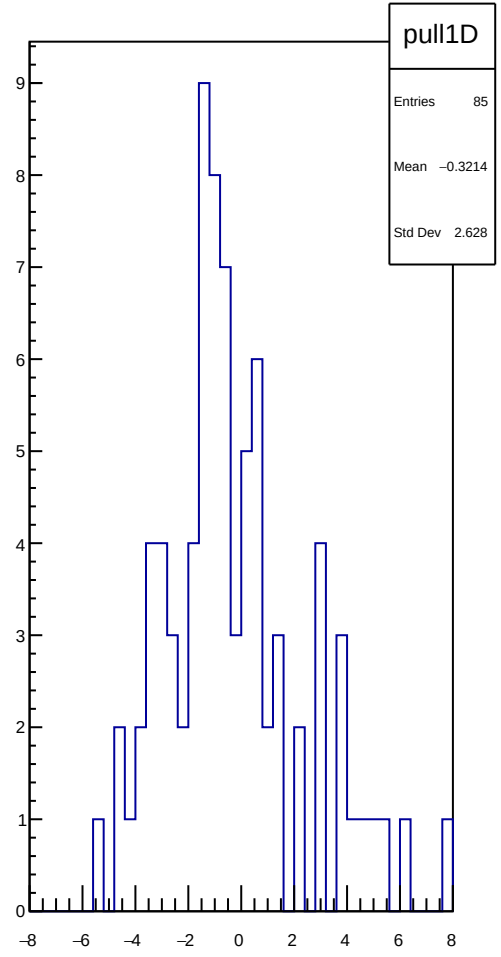

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 114.3 / 84
p0 0.171± 0.008761
pull
Entries 85
Mean 317.8
Std Dev 284.1
pull1D
Entries 85
Mean 0.03654
Std Dev 1.159

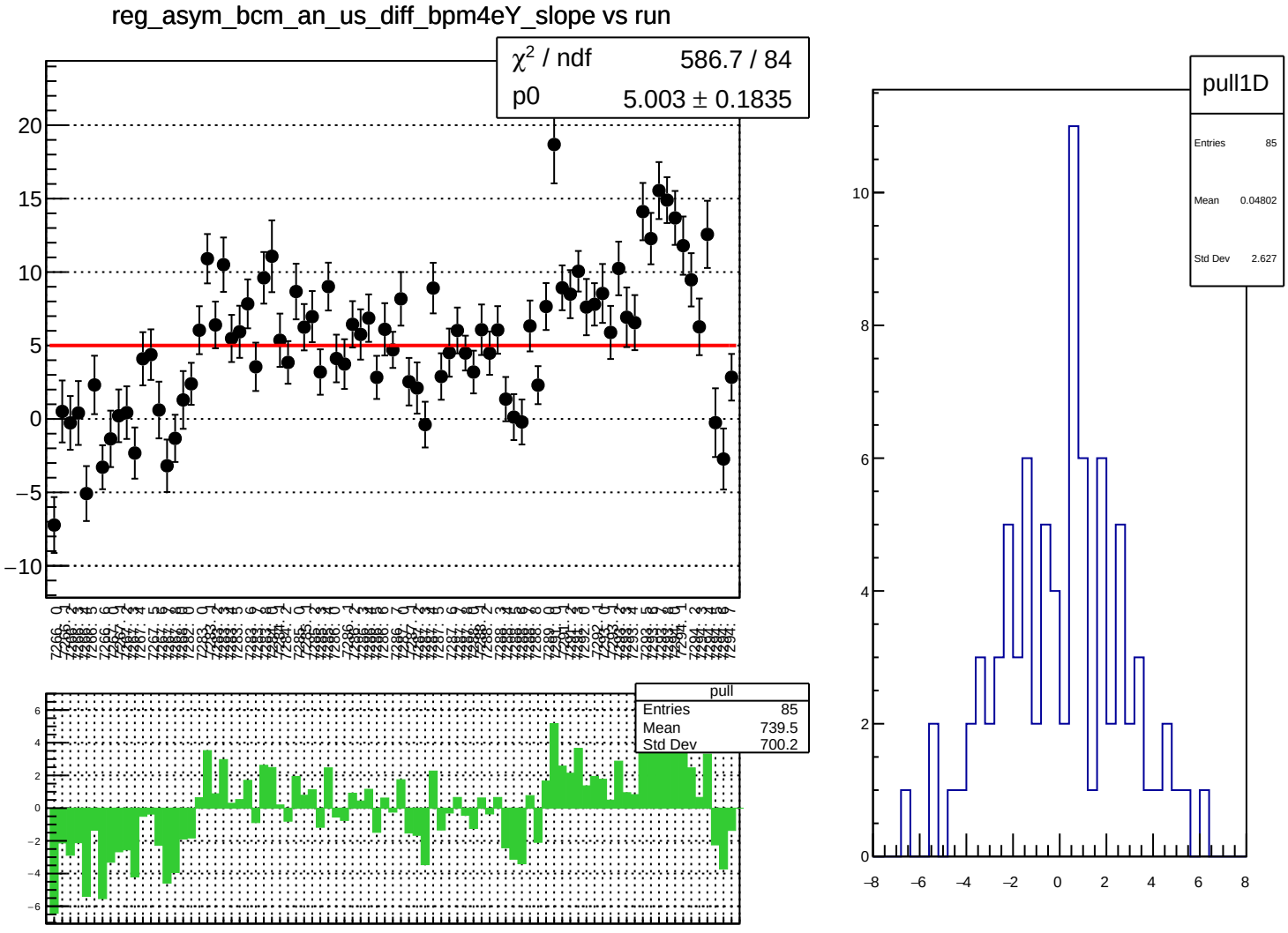

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 1236 / 84
p0 −23.48 ± 0.1813
pull
Entries 85
Mean 210.8
Std Dev 158.5

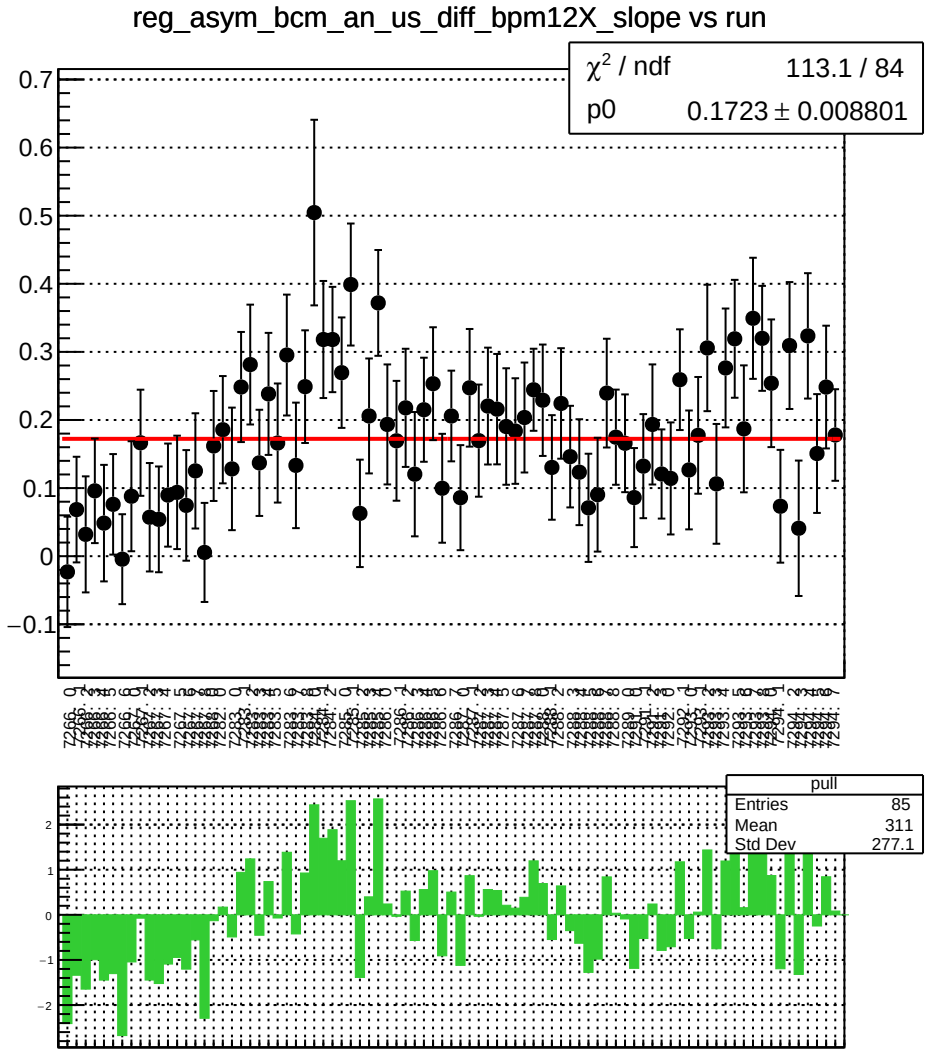

pull1D
Entries 85
Mean 0.3508
Std Dev 2.702

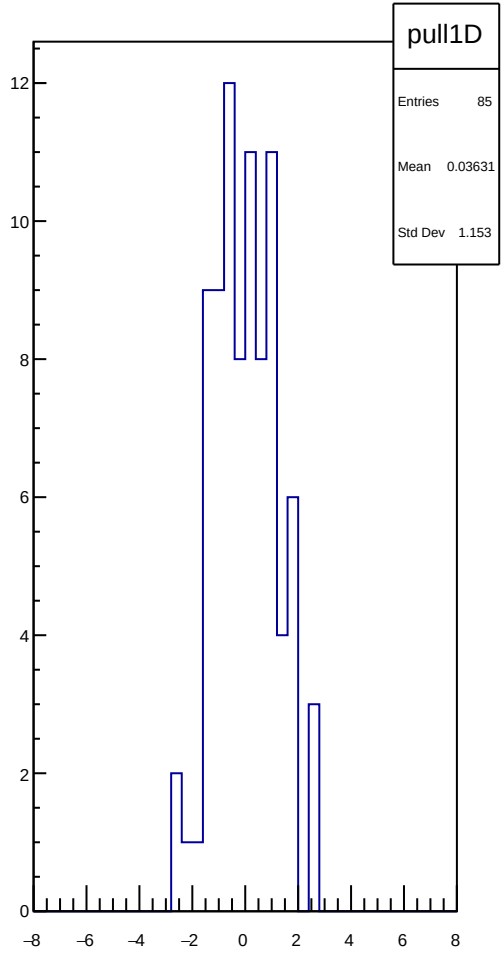

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 541.3 / 84
p0 −5.152 ± 0.1756
pull
Entries 85
Mean 485
Std Dev 446.5
pull1D
Entries 85
Mean −0.07203
Std Dev 2.523

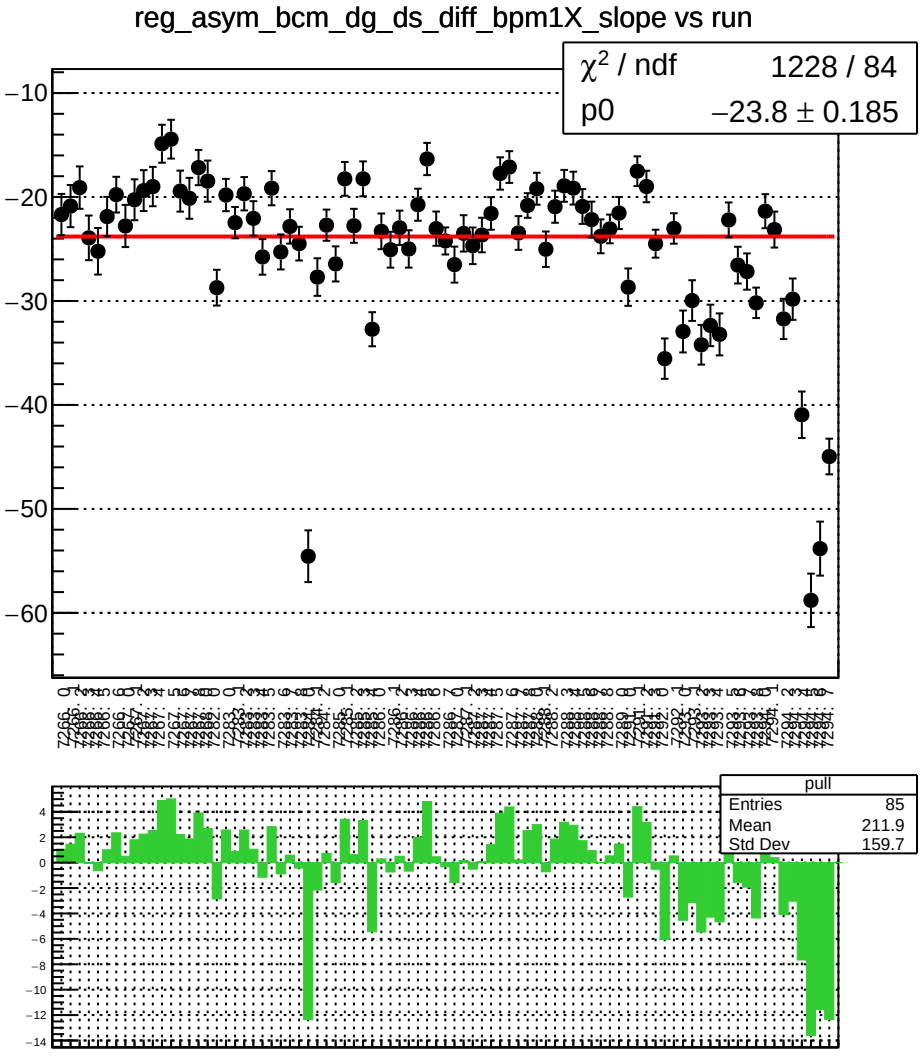

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 1190 / 84
p0 22.51 ± 0.1813
pull
Entries 85
Mean 175.8
Std Dev 119.2

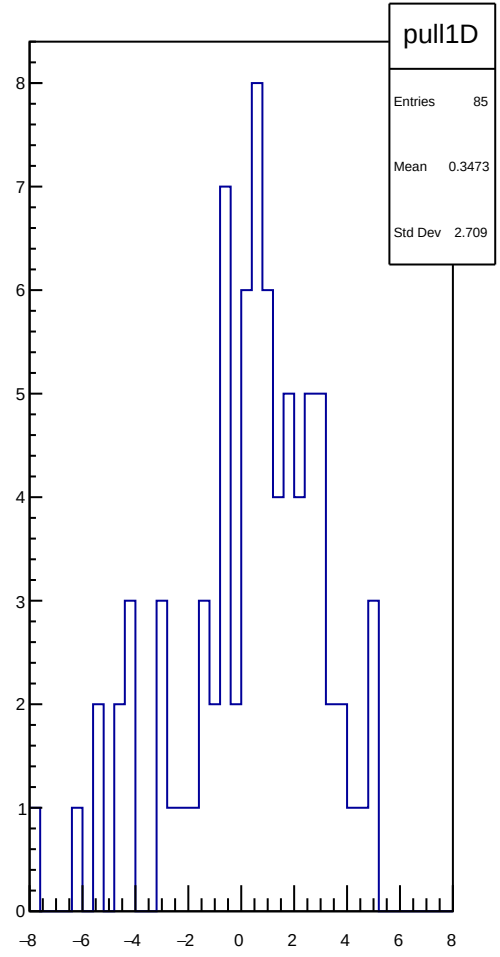

pull1D
Entries 85
Mean −0.3214
Std Dev 2.628

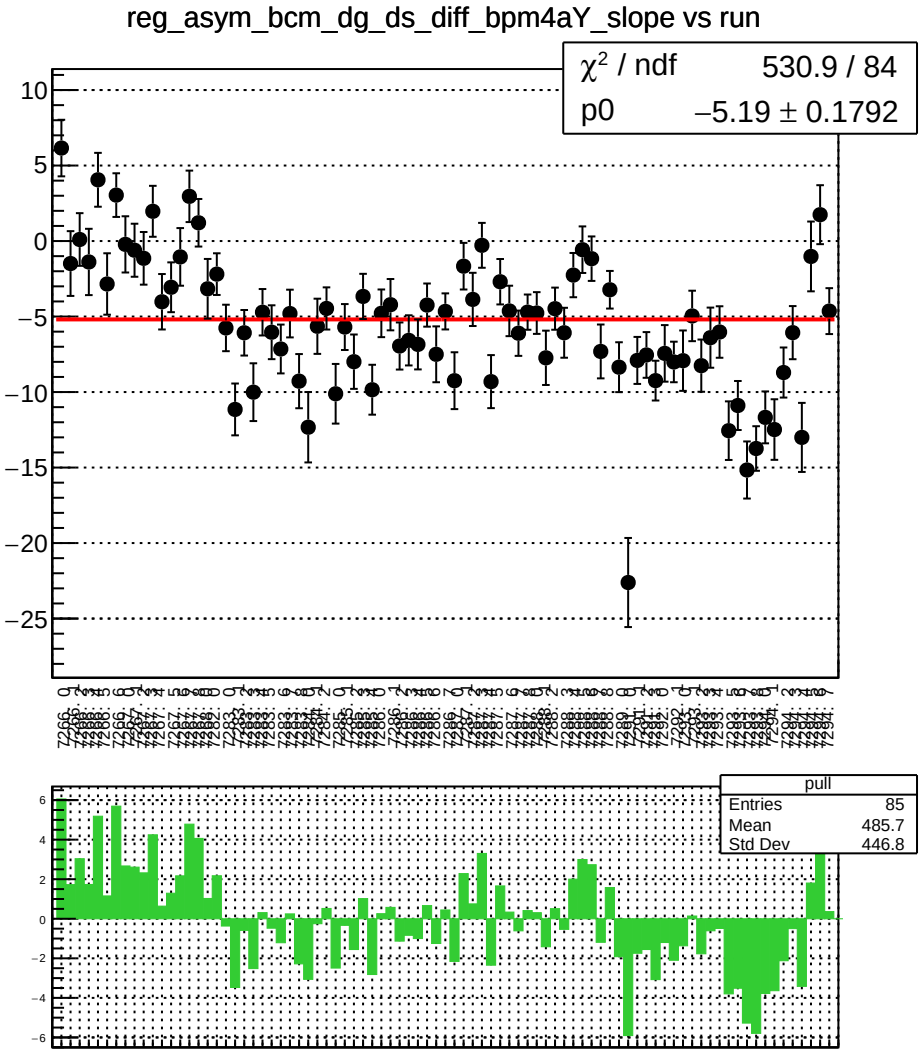

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 586.7 / 84
p0 5.003 ± 0.1835
pull
Entries 85
Mean 739.5
Std Dev 700.2
pull1D
Entries 85
Mean 0.04802
Std Dev 2.627

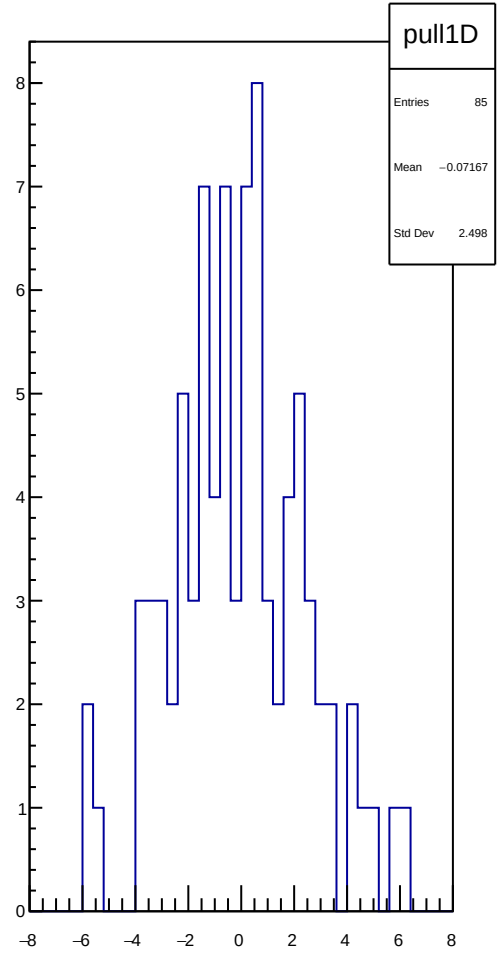

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ^2 / ndf 113.1 / 84
p0 0.1723 ± 0.008801
pull
Entries 85
Mean 311
Std Dev 277.1

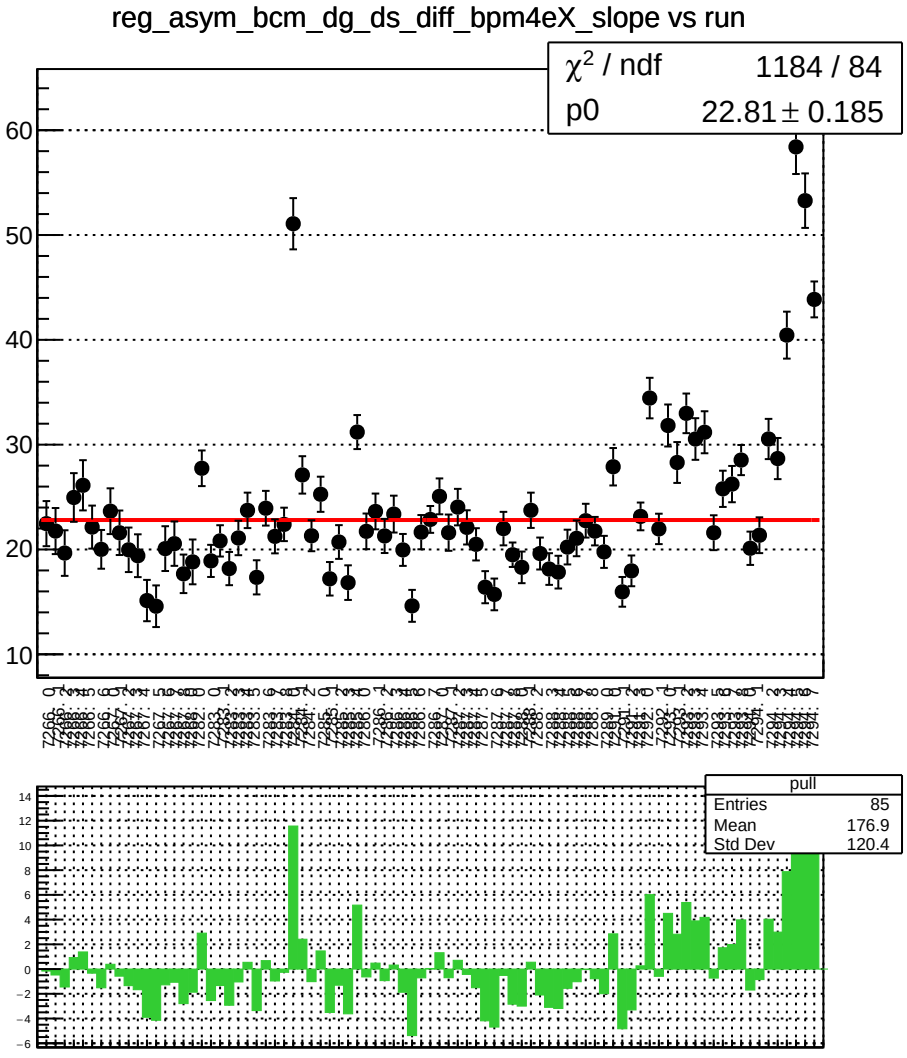

pull1D
Entries 85
Mean 0.03631
Std Dev 1.153

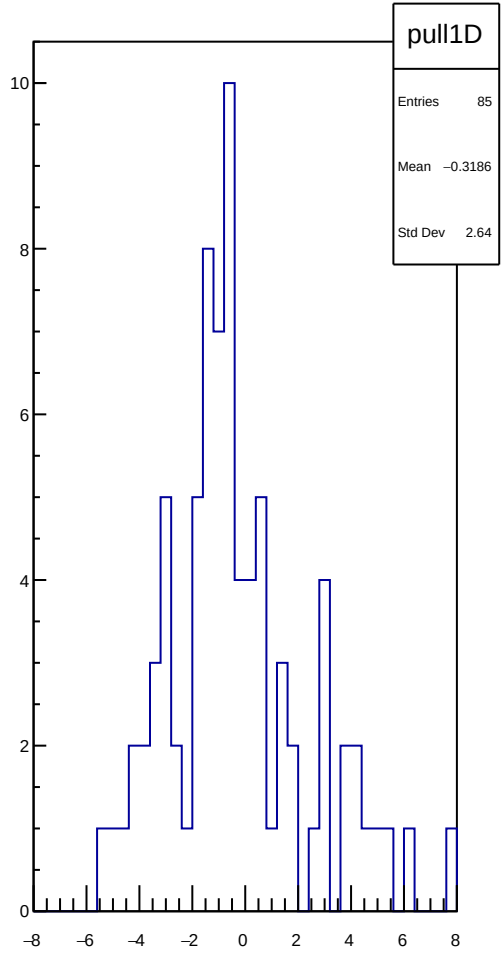

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ^2 / ndf 1228 / 84
p0 −23.8 ± 0.185
pull
Entries 85
Mean 211.9
Std Dev 159.7

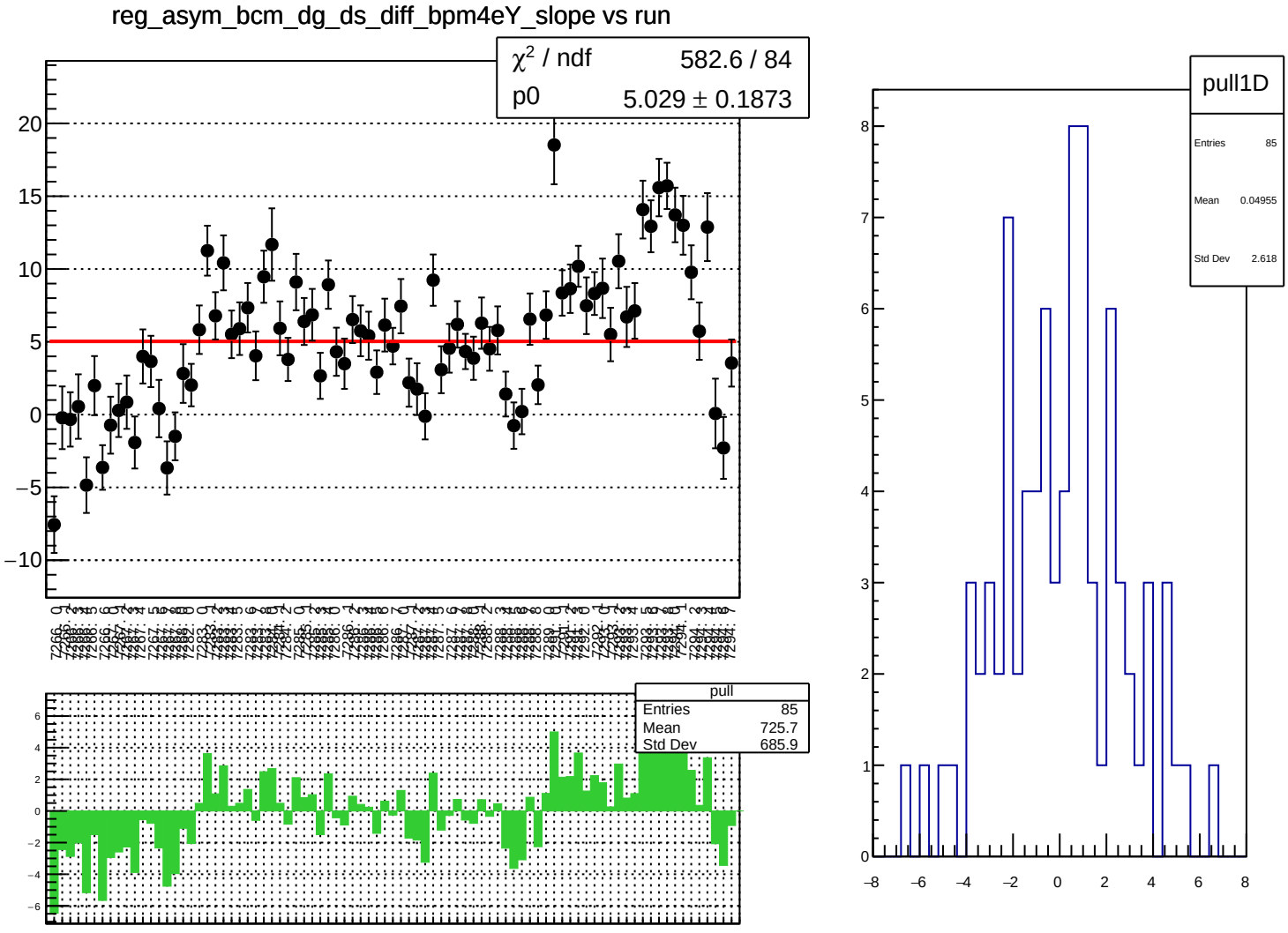

pull1D
Entries 85
Mean 0.3473
Std Dev 2.709

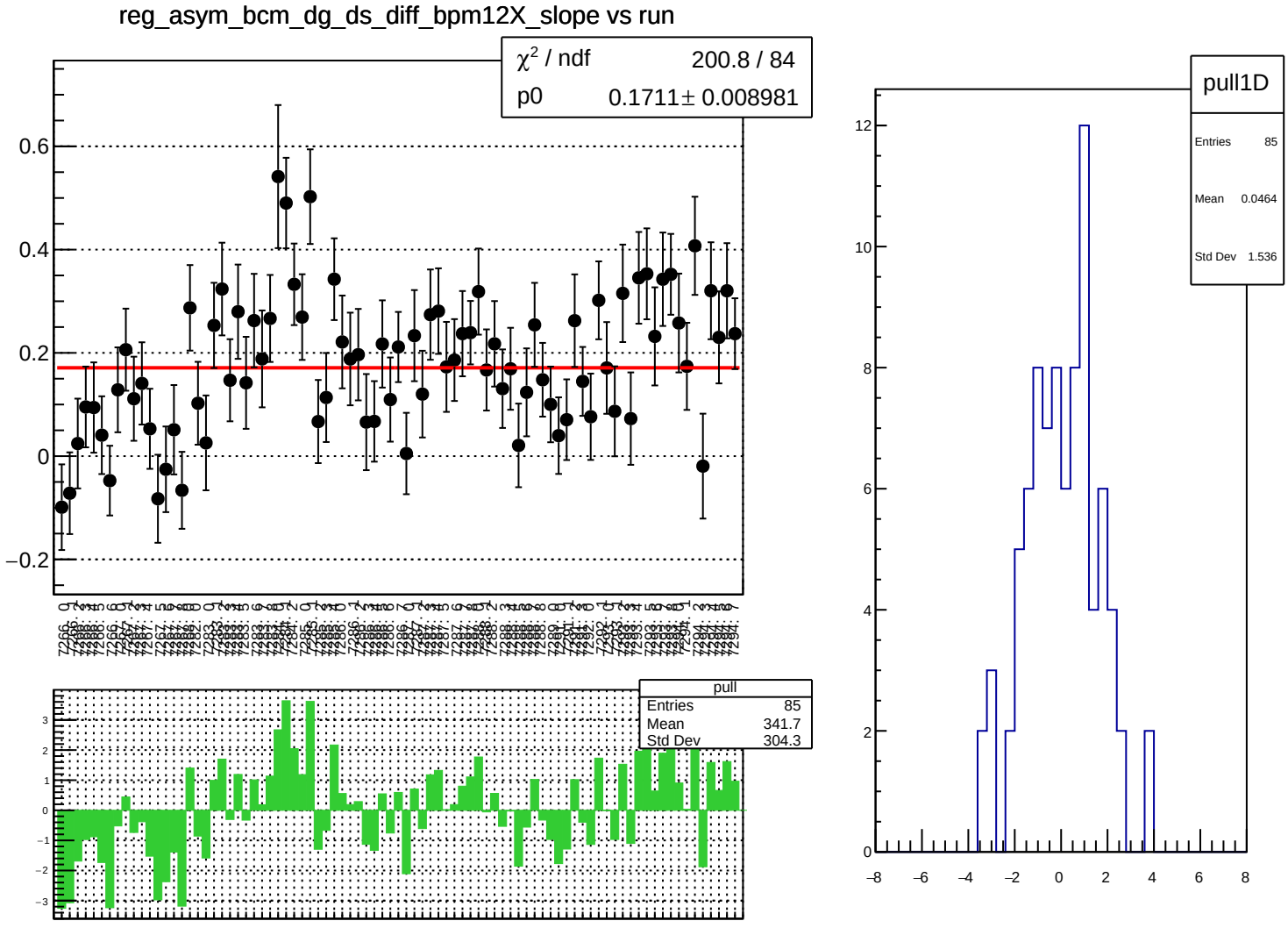

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 530.9 / 84
p0 −5.19 ± 0.1792
pull
Entries 85
Mean 485.7
Std Dev 446.8

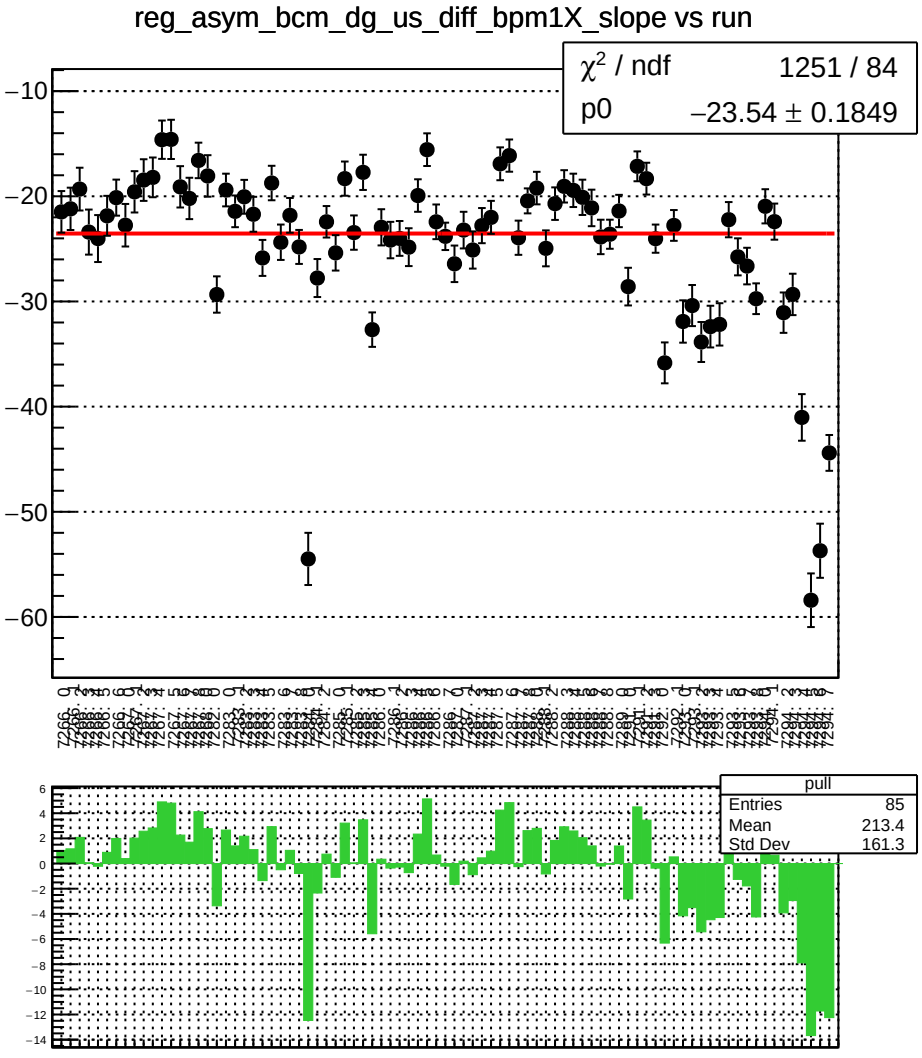

pull1D
Entries 85
Mean −0.07167
Std Dev 2.498

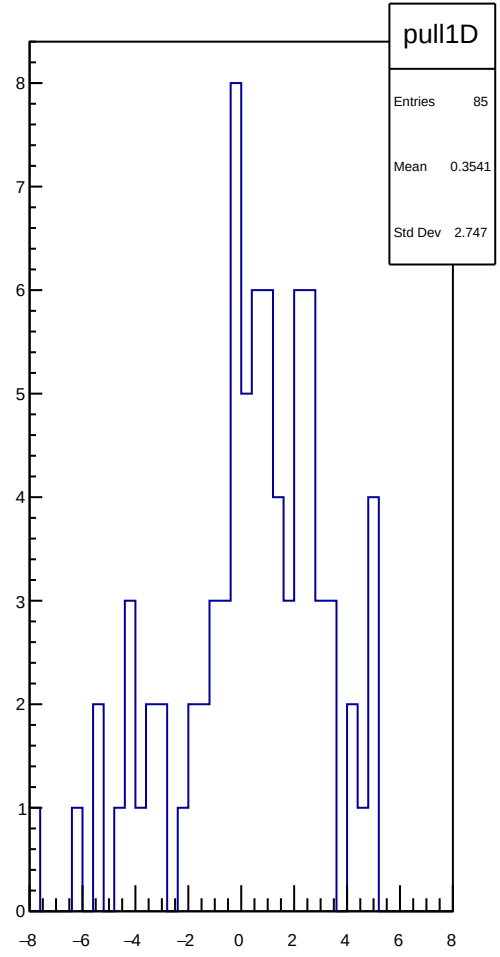

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1184 / 84
p0 22.81 ± 0.185
pull
Entries 85
Mean 176.9
Std Dev 120.4


pull1D
Entries 85
Mean −0.3186
Std Dev 2.64

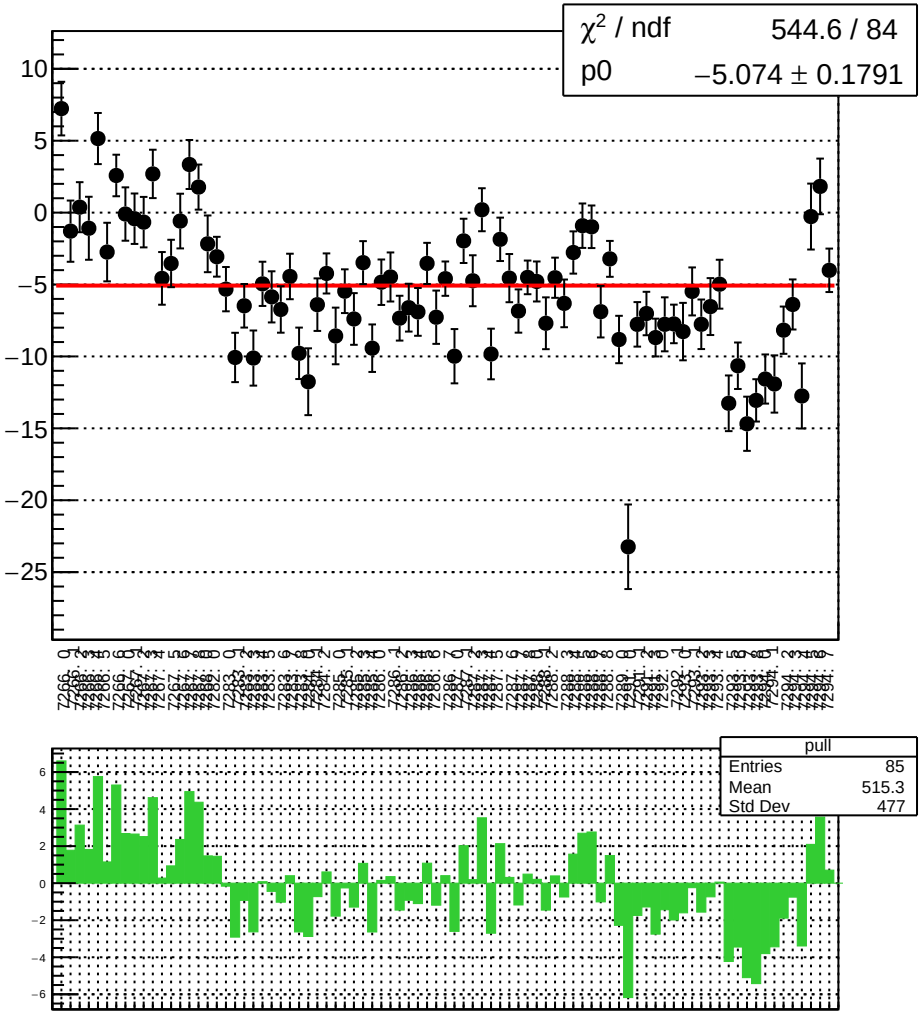

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 582.6 / 84
p0 5.029 ± 0.1873
pull
Entries 85
Mean 725.7
Std Dev 685.9
pull1D
Entries 85
Mean 0.04955
Std Dev 2.618

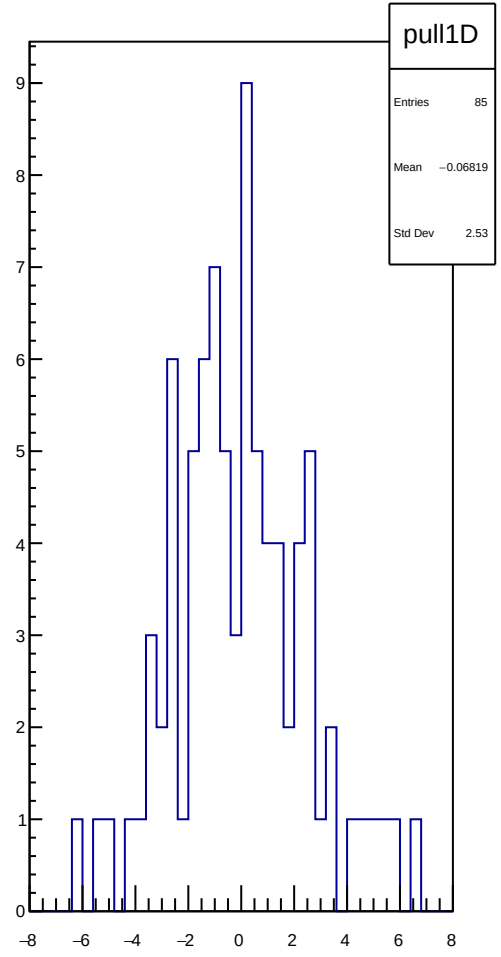

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 200.8 / 84
p0 0.1711 ± 0.008981
pull
Entries 85
Mean 341.7
Std Dev 304.3
pull1D
Entries 85
Mean 0.0464
Std Dev 1.536

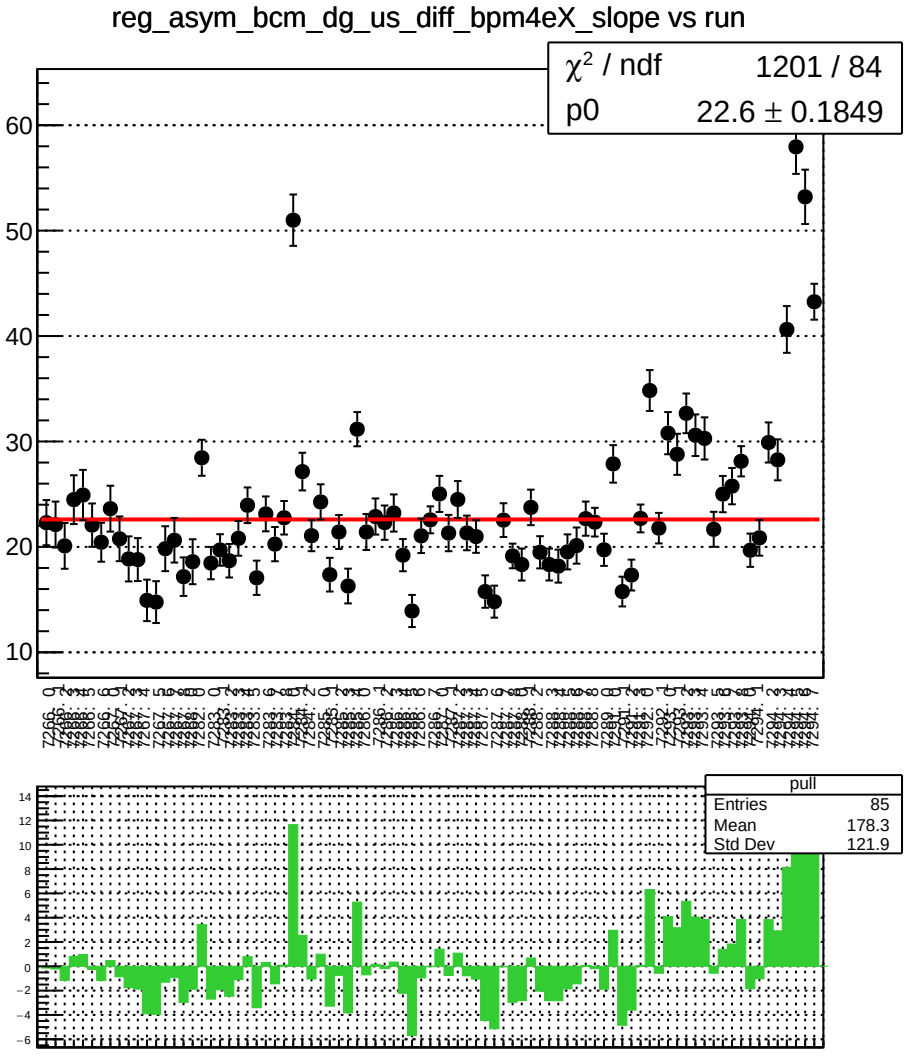

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 1251 / 84
p0 −23.54 ± 0.1849
pull
Entries 85
Mean 213.4
Std Dev 161.3

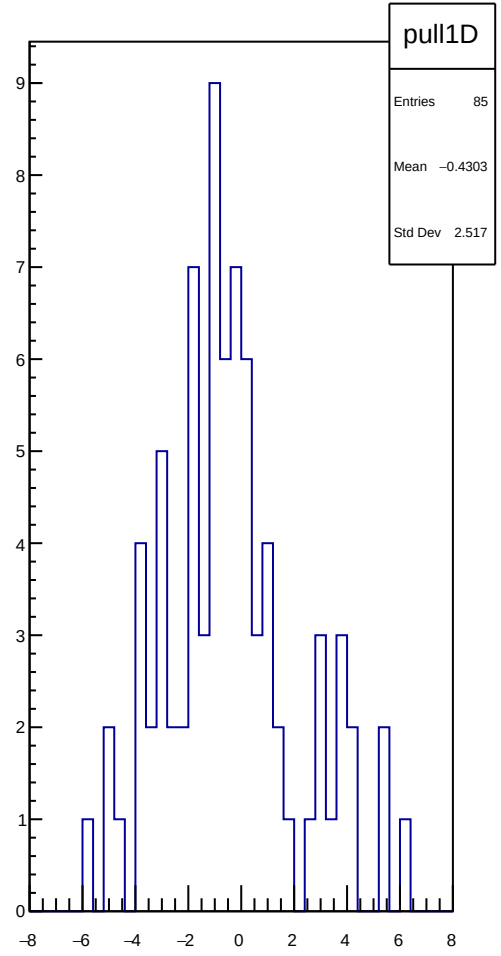

pull1D
Entries 85
Mean 0.3541
Std Dev 2.747

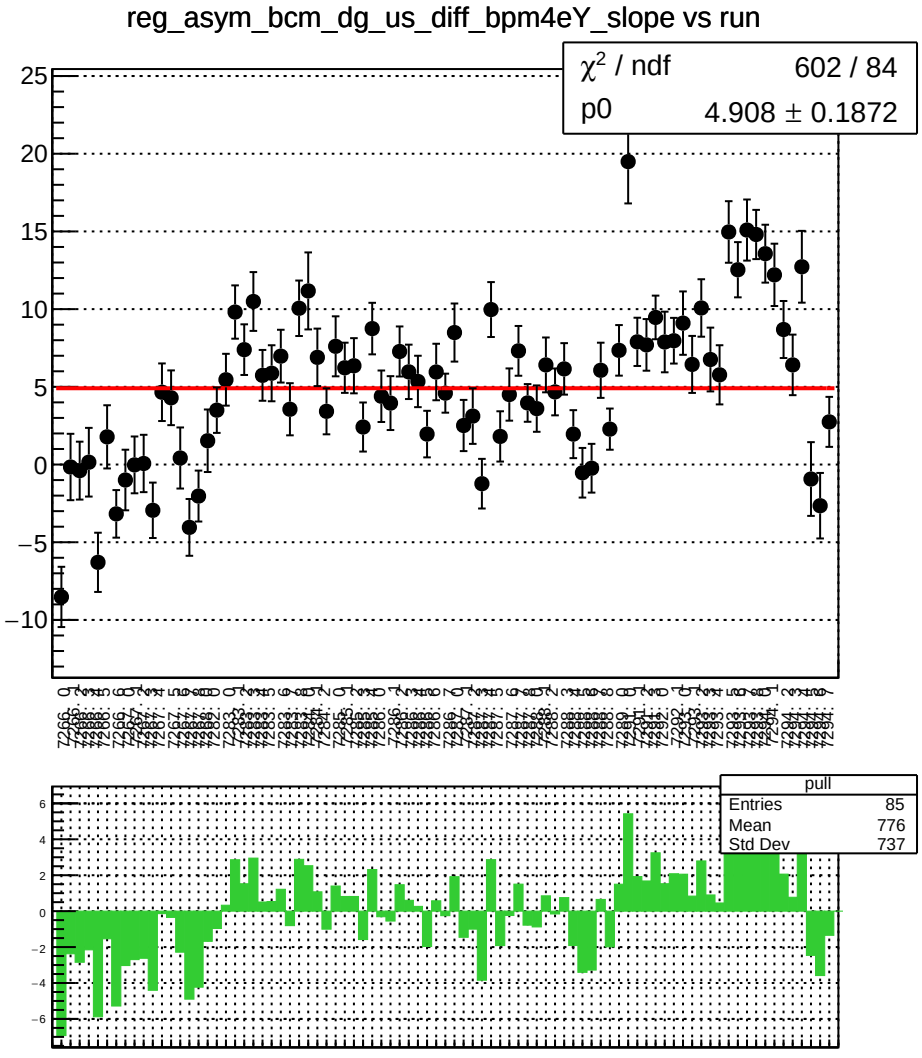
reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run

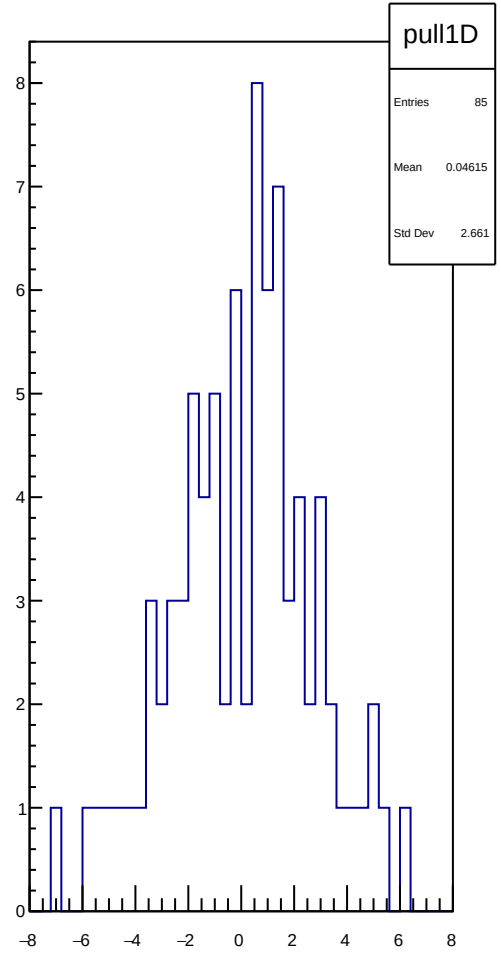


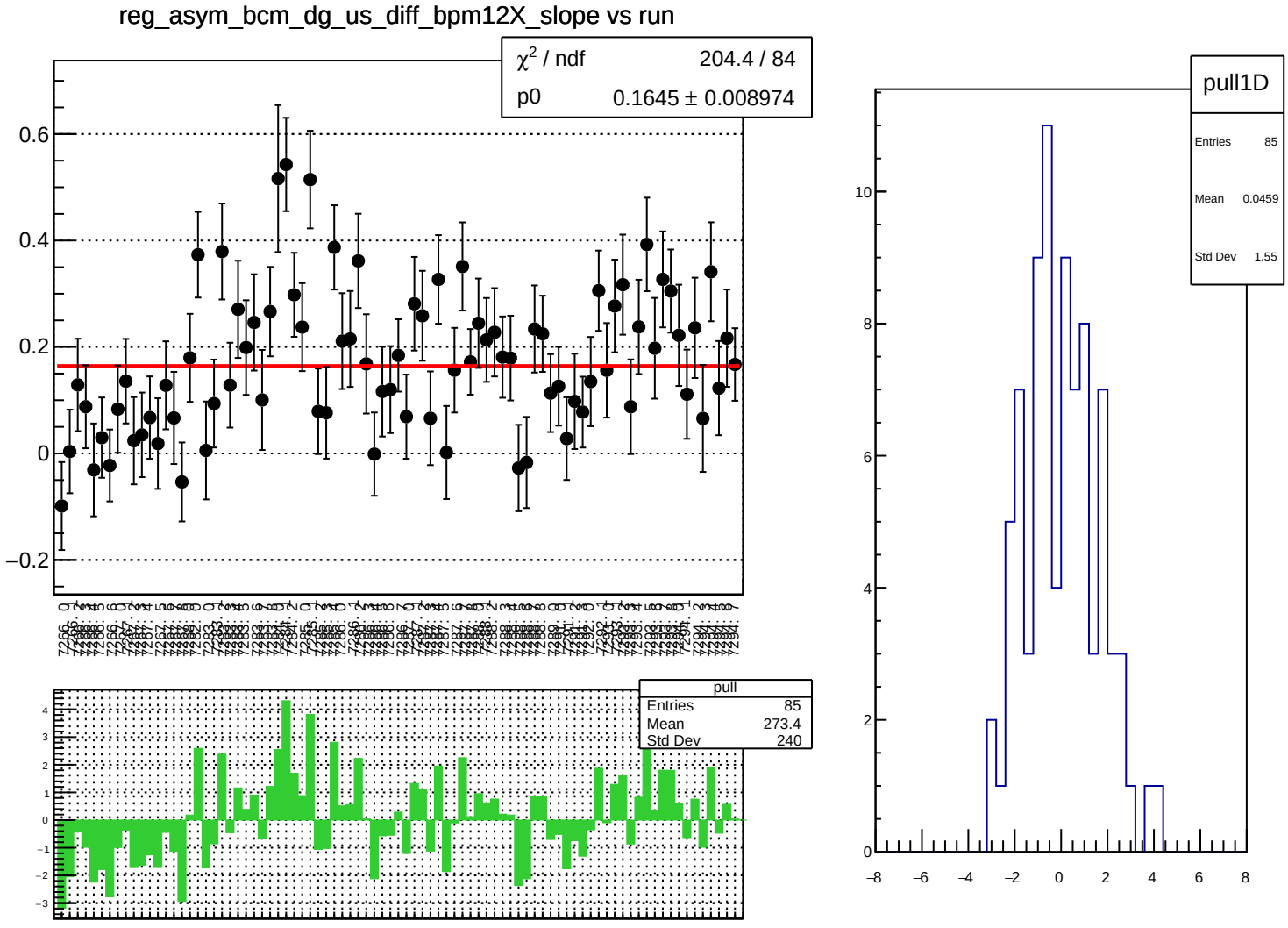



reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1201 / 84
p0 22.6 ± 0.1849
pull
Entries 85
Mean 178.3
Std Dev 121.9


pull1D
Entries 85
Mean −0.4303
Std Dev 2.517


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 602 / 84
p0 4.908 ± 0.1872
pull
Entries 85
Mean 776
Std Dev 737


pull1D
Entries 85
Mean 0.04615
Std Dev 2.661


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 204.4 / 84
p0 0.1645 ± 0.008974
pull
Entries 85
Mean 273.4
Std Dev 240
pull1D
Entries 85
Mean 0.0459
Std Dev 1.55