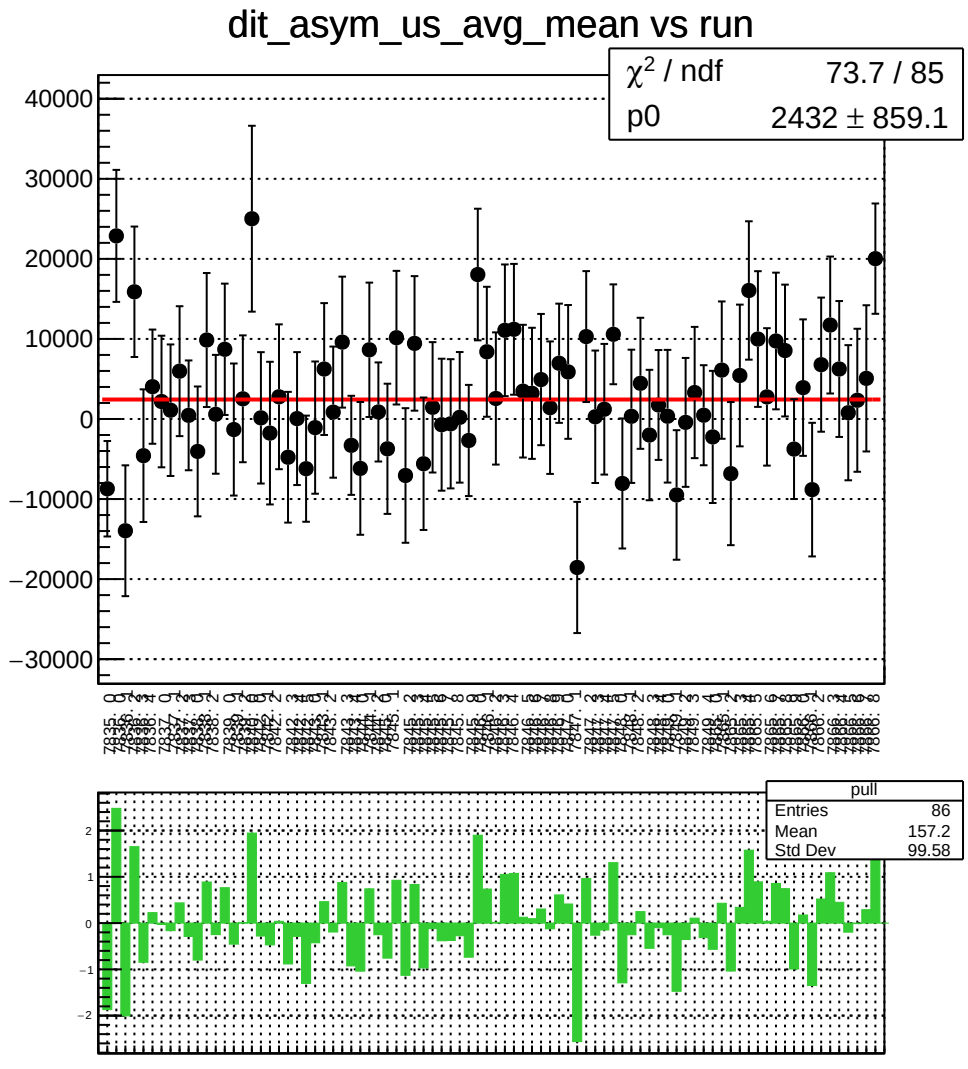
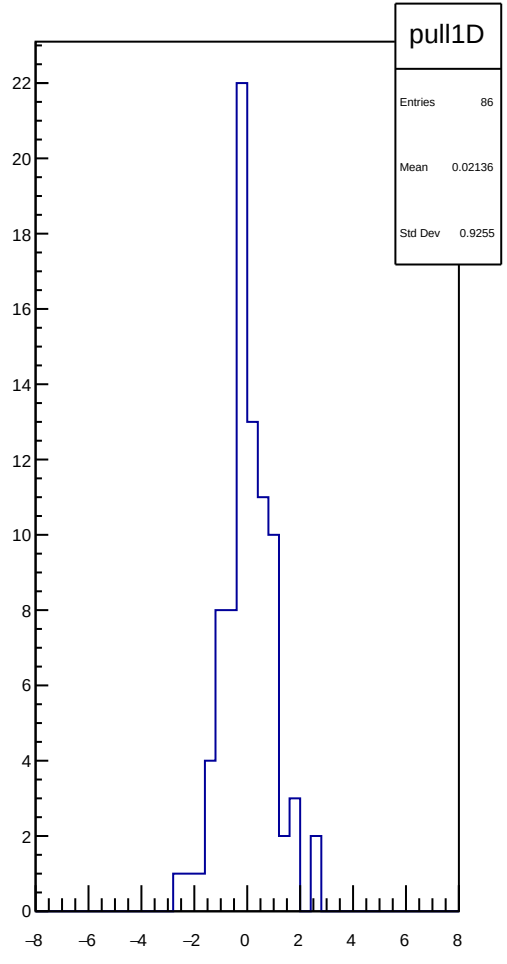
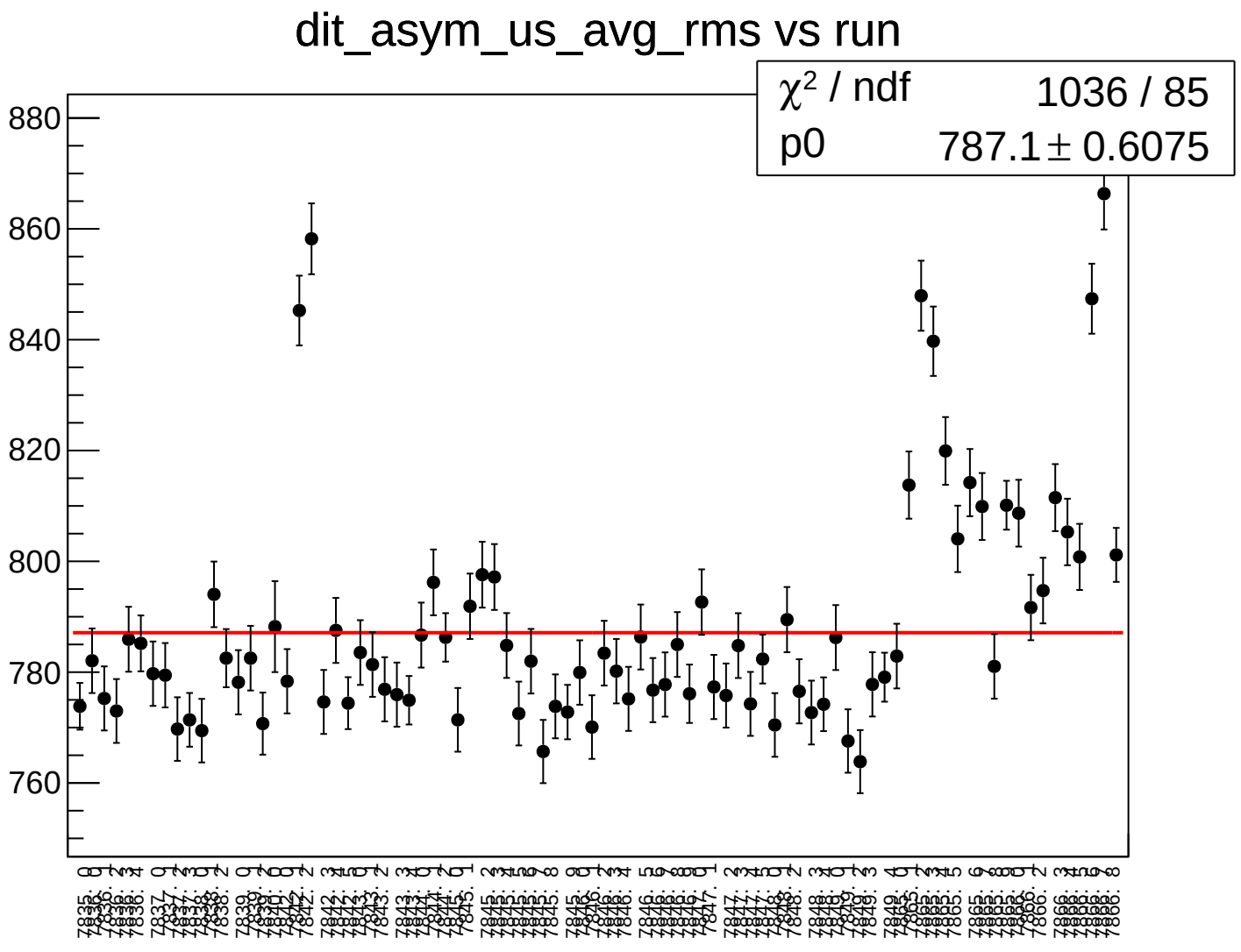
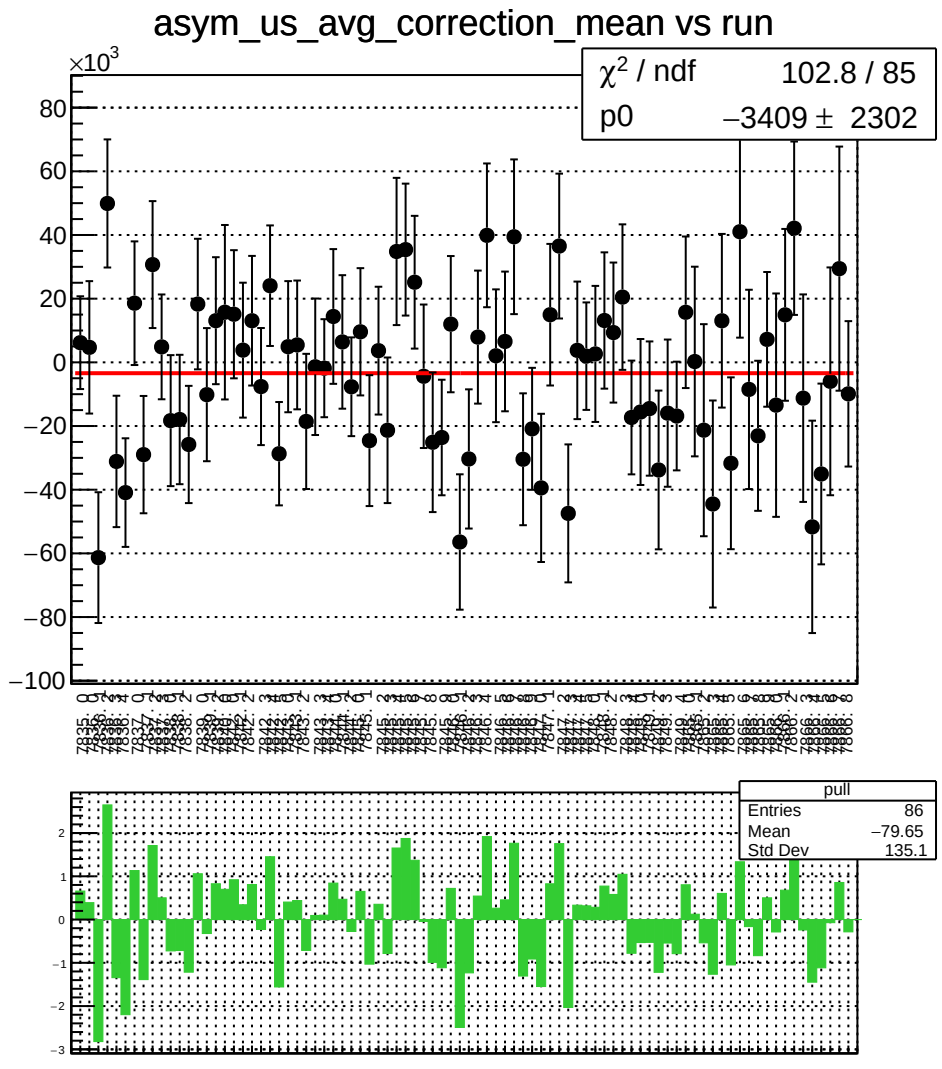
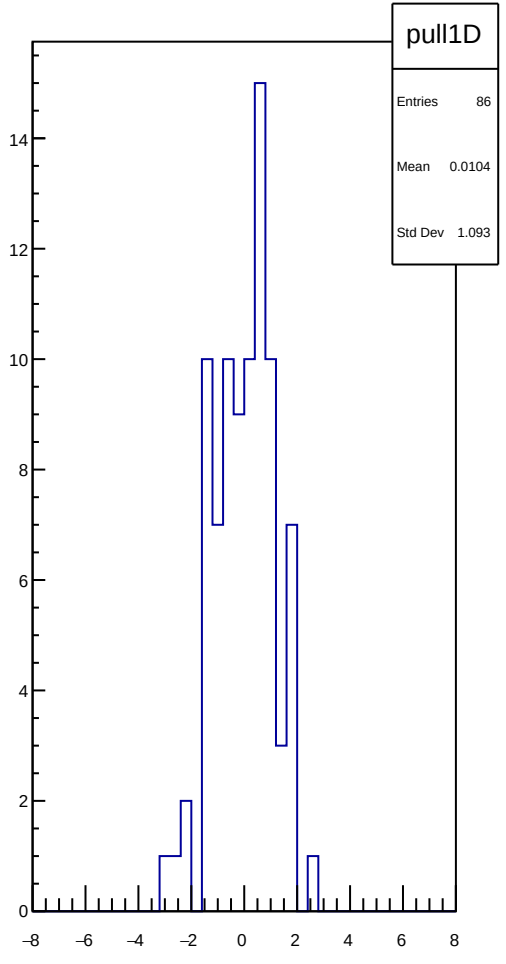
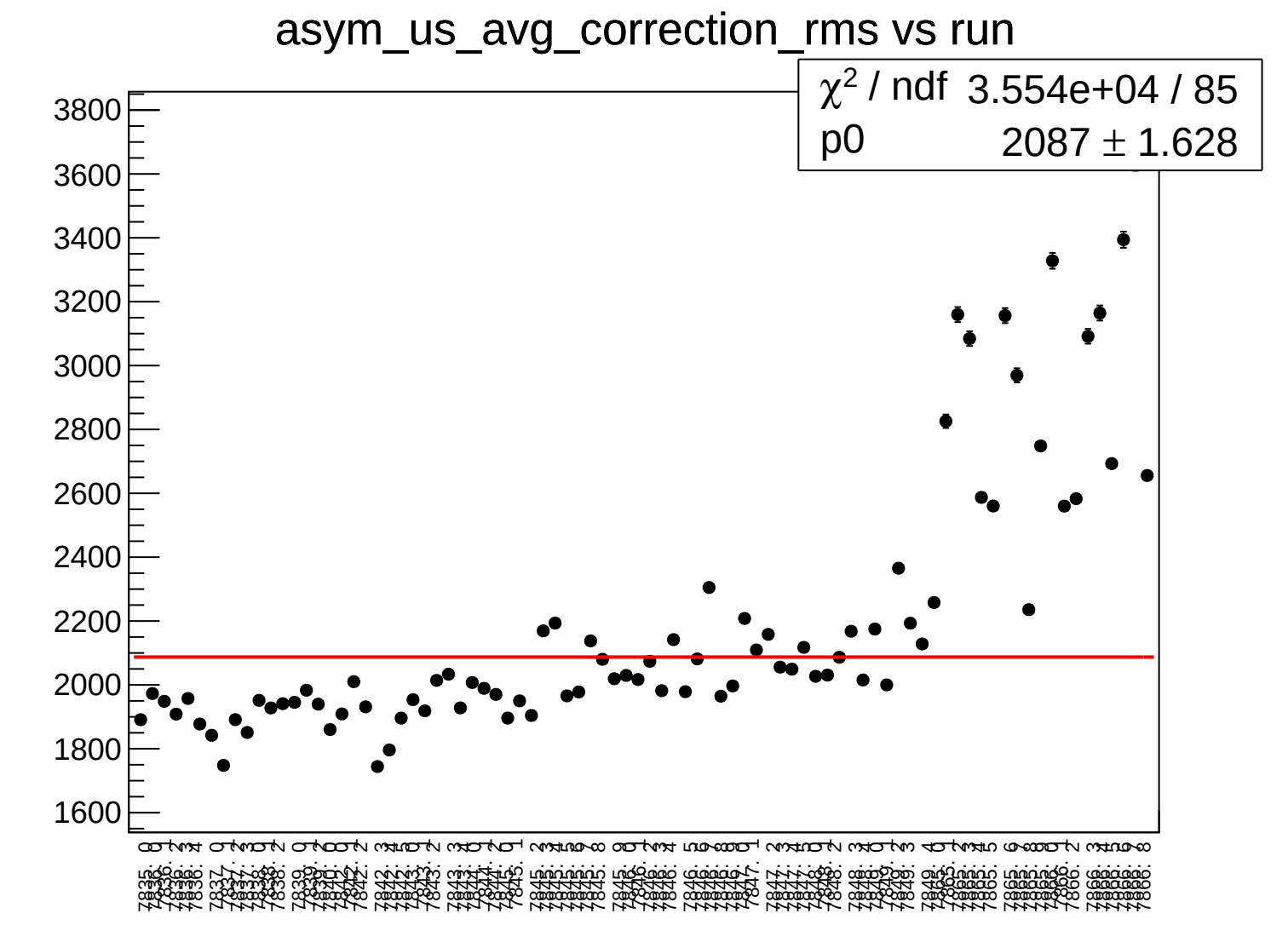

dit_asym_us_avg_mean vs run
χ² / ndf 73.7 / 85
p0 2432 ± 859.1
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 157.2
Std Dev 99.58
2
1
0
−1
−2

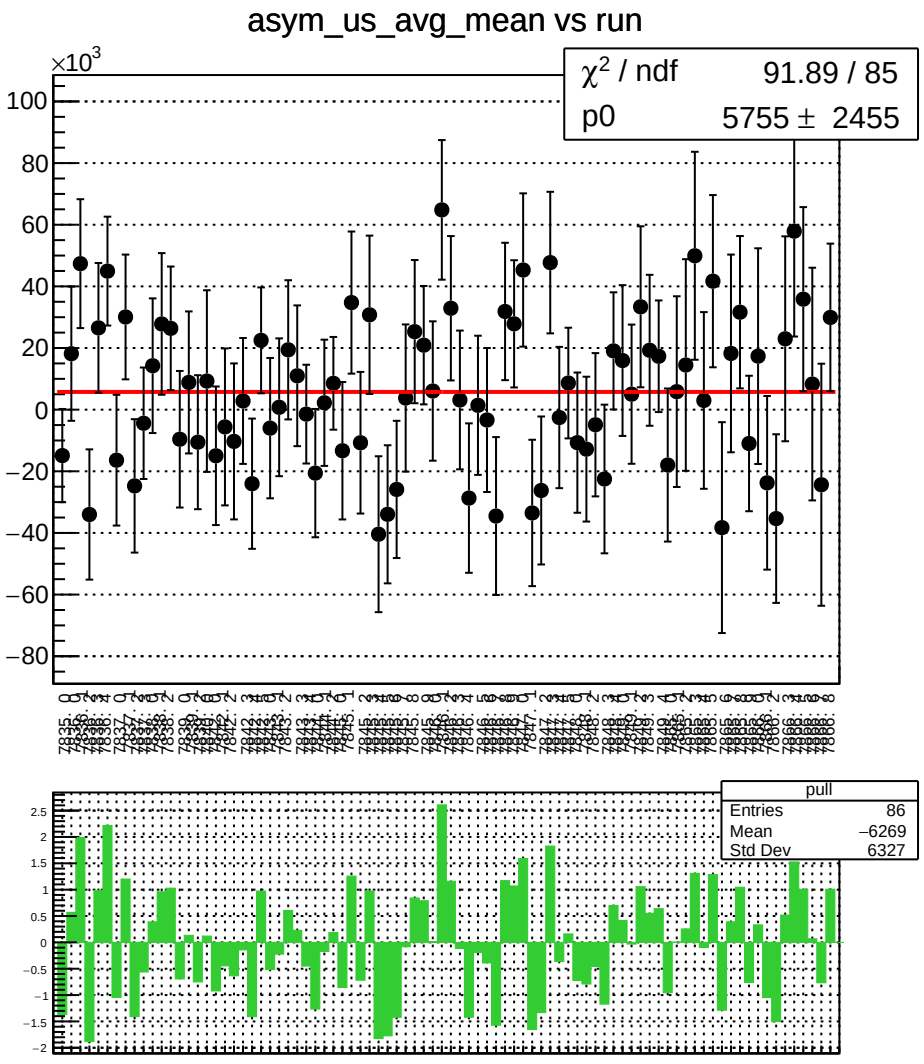

pull1D
Entries 86
Mean 0.02136
Std Dev 0.9255
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

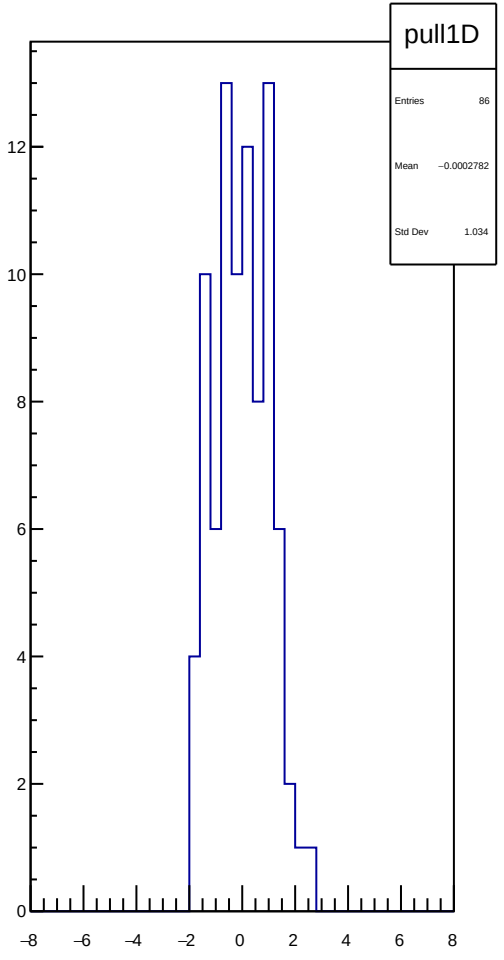

dit_asym_us_avg_rms vs run
χ² / ndf 1036 / 85
p0 787.1 ± 0.6075
880
860
840
820
800
780
760

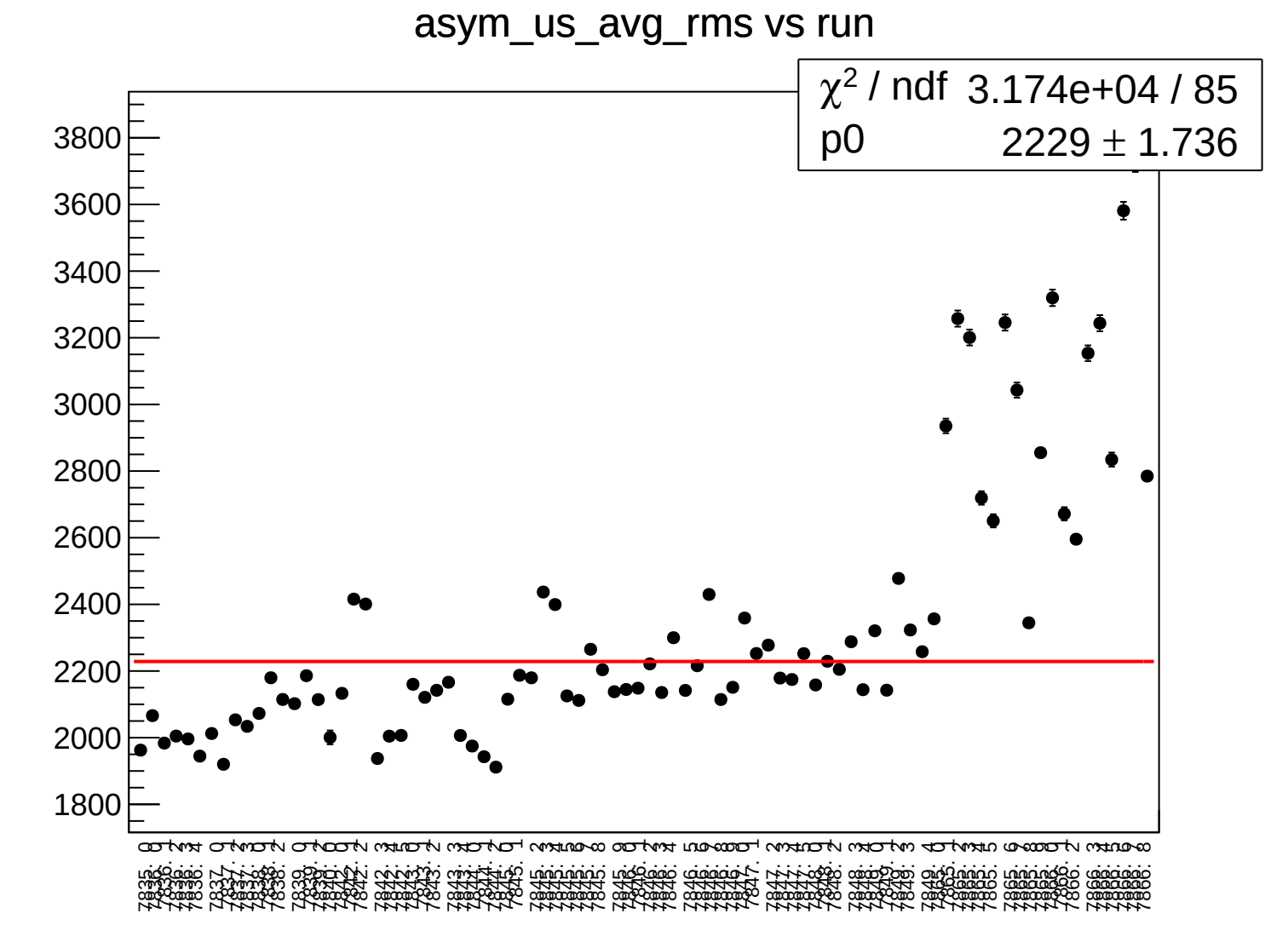

asym_us_avg_correction_mean vs run
×10^3
χ² / ndf 102.8 / 85
p0 −3409 ± 2302
pull
Entries 86
Mean −79.65
Std Dev 135.1

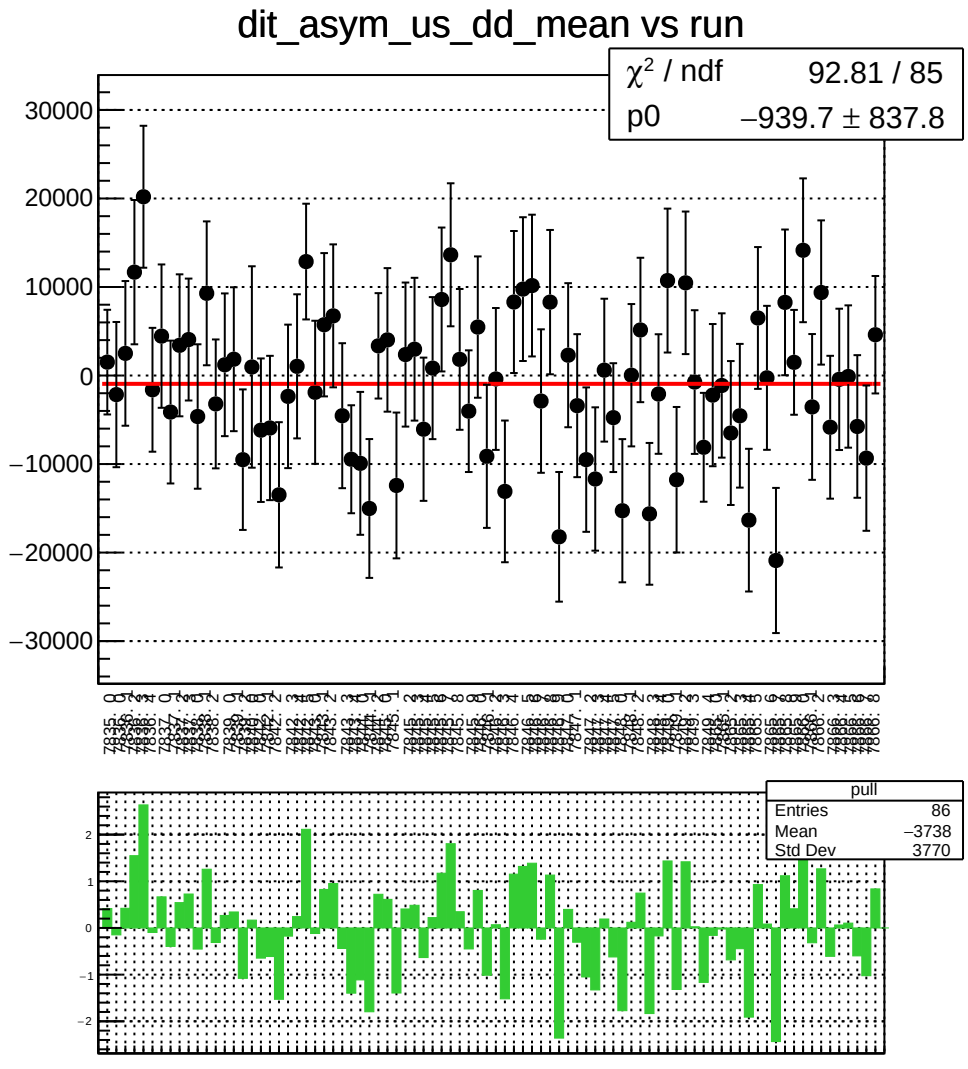

pull1D
Entries 86
Mean 0.0104
Std Dev 1.093

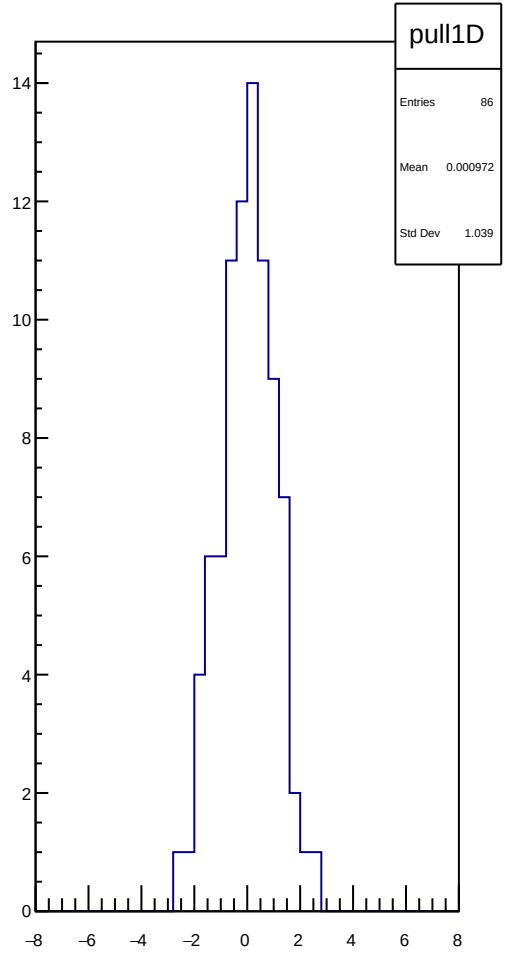

asym_us_avg_correction_rms vs run
χ² / ndf 3.554e+04 / 85
p0 2087 ± 1.628
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

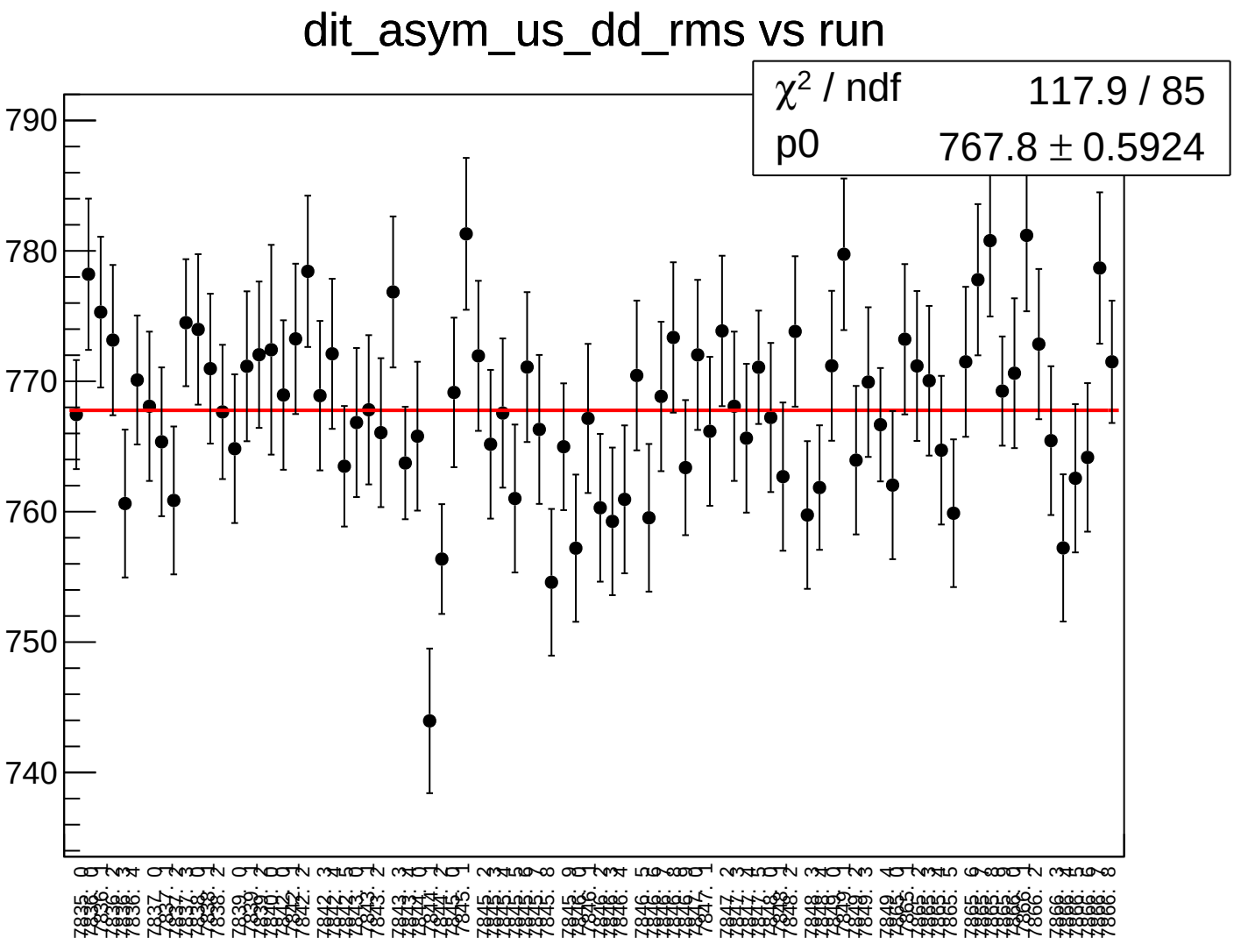

asym_us_avg_mean vs run
×10^3
χ^2 / ndf 91.89 / 85
p0 5755 ± 2455
pull
Entries 86
Mean −6269
Std Dev 6327

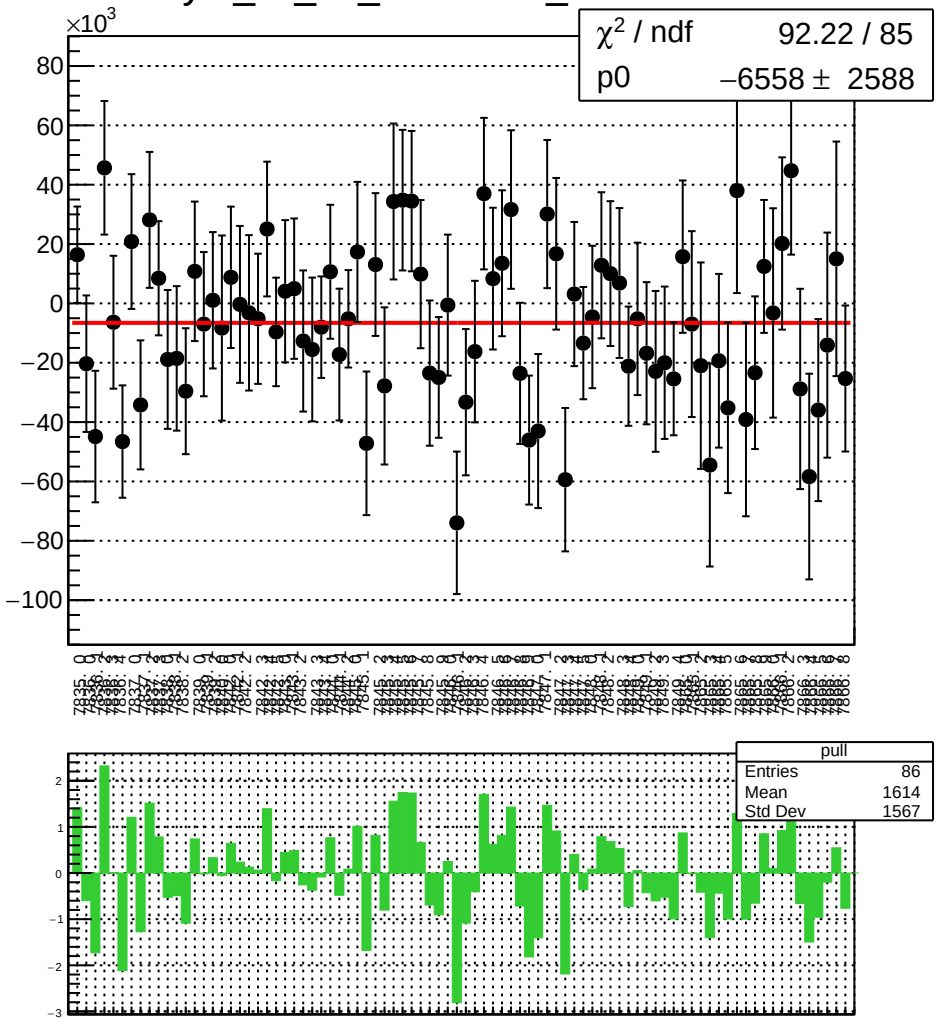

pull1D
Entries 86
Mean −0.0002782
Std Dev 1.034

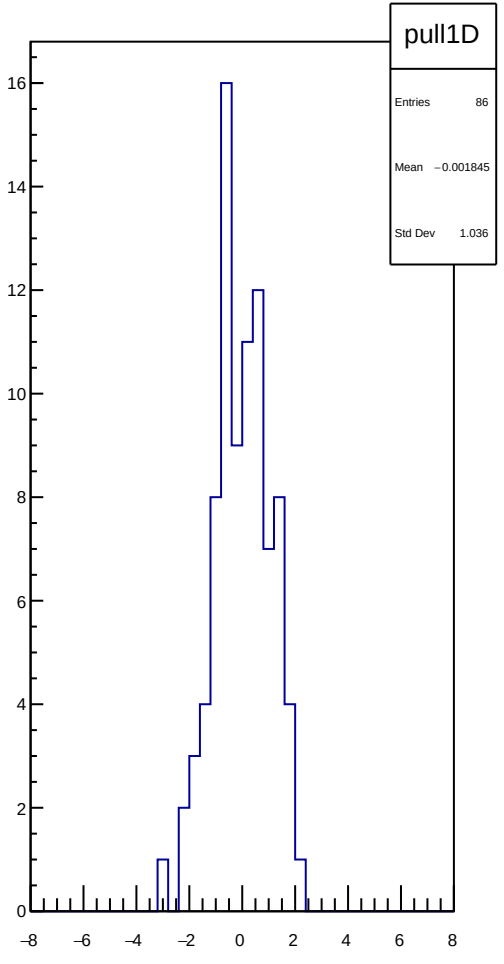

asym_us_avg_rms vs run
χ^2 / ndf 3.174e+04 / 85
p0 2229 ± 1.736
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

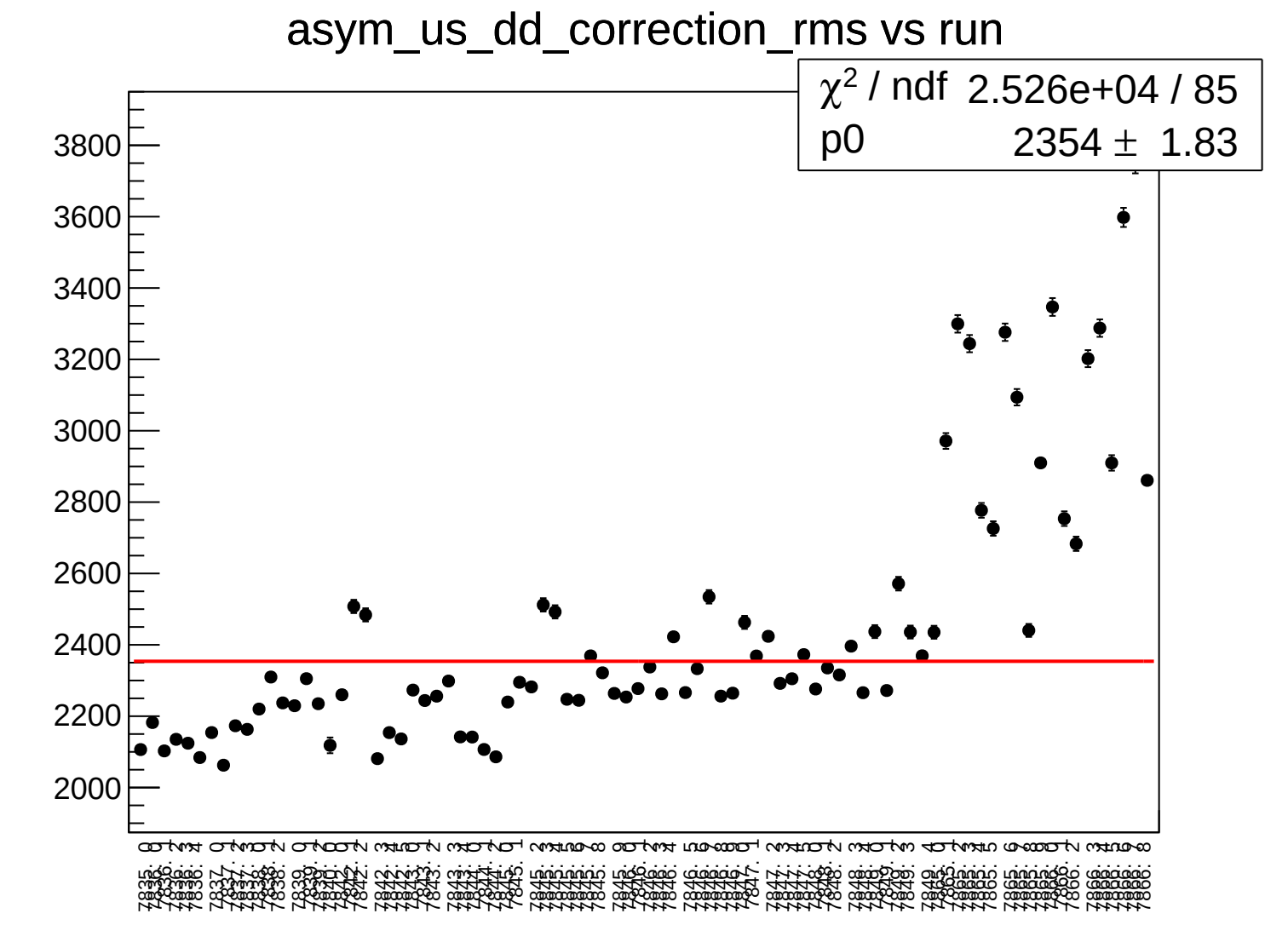

dit_asym_us_dd_mean vs run
χ² / ndf 92.81 / 85
p0 −939.7 ± 837.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −3738
Std Dev 3770
2
1
0
−1
−2

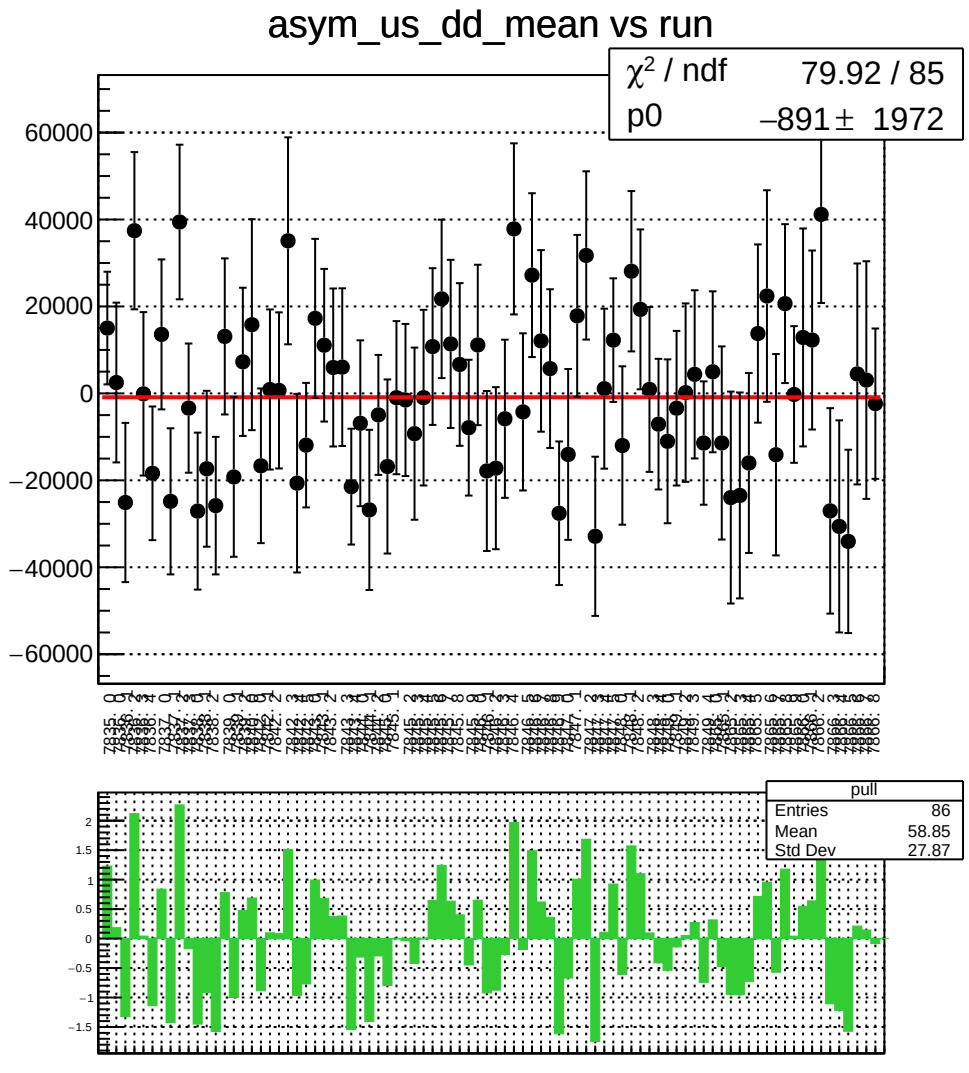

pull1D
Entries 86
Mean 0.000972
Std Dev 1.039
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

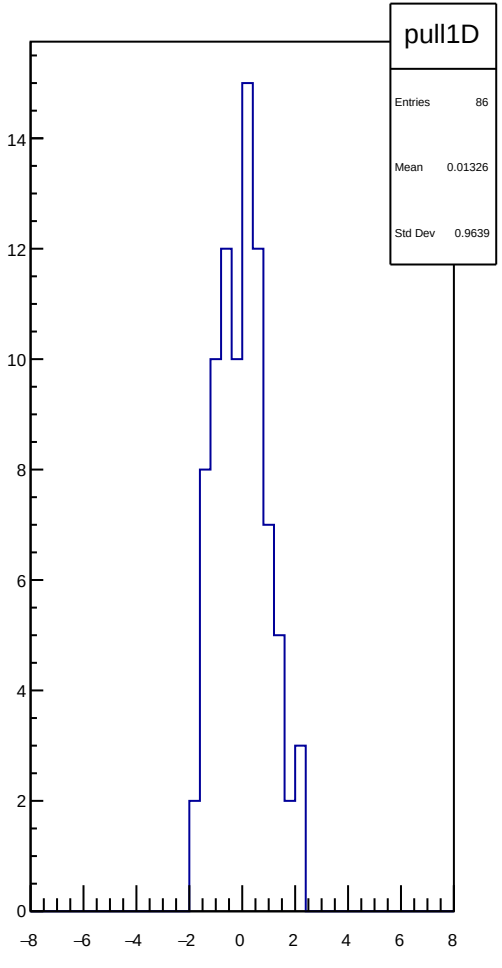

dit_asym_us_dd_rms vs run
χ² / ndf 117.9 / 85
p0 767.8 ± 0.5924
790
780
770
760
750
740

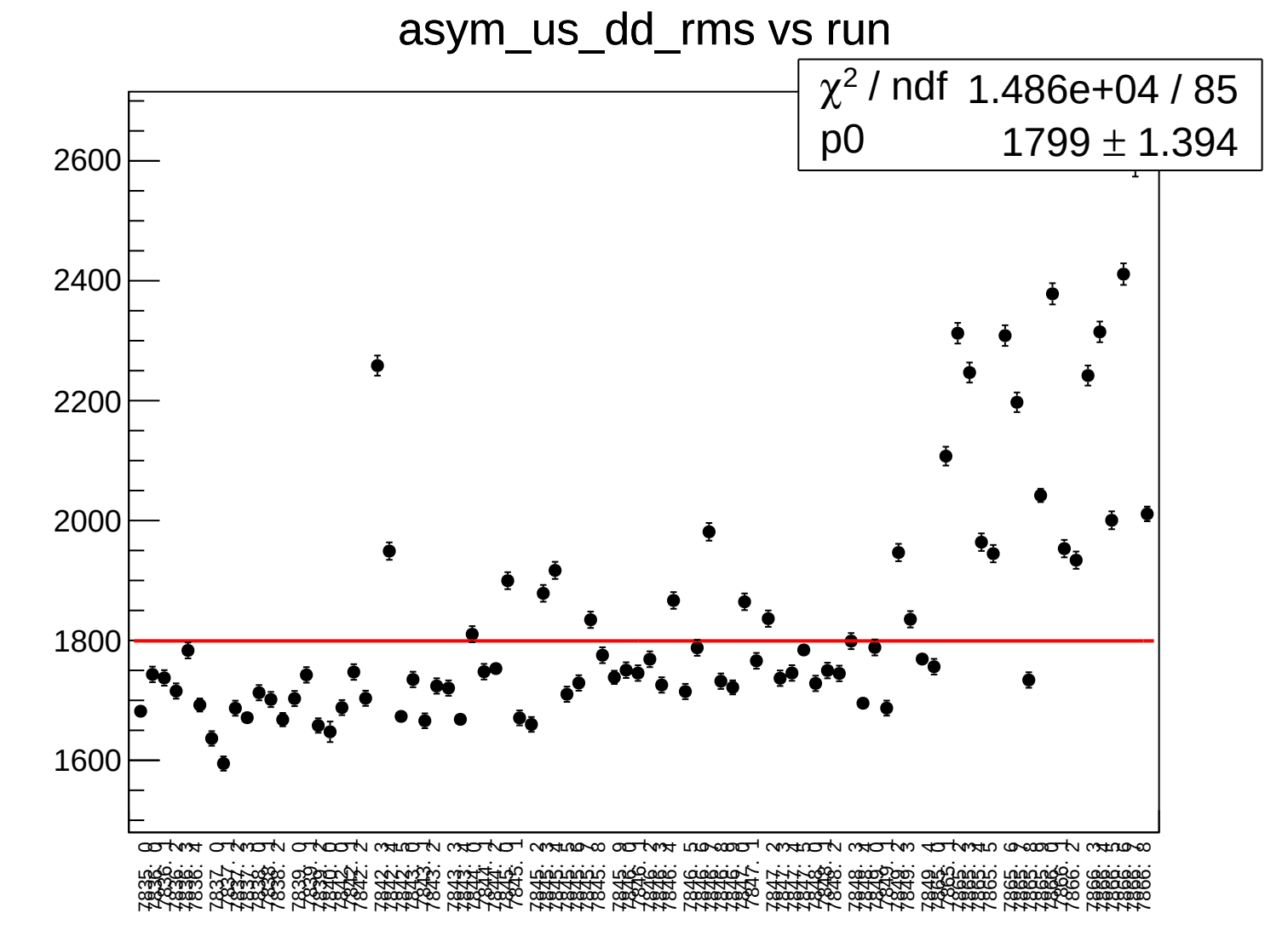

asym_us_dd_correction_mean vs run
×10^3
χ² / ndf 92.22 / 85
p0 −6558 ± 2588
pull
Entries 86
Mean 1614
Std Dev 1567

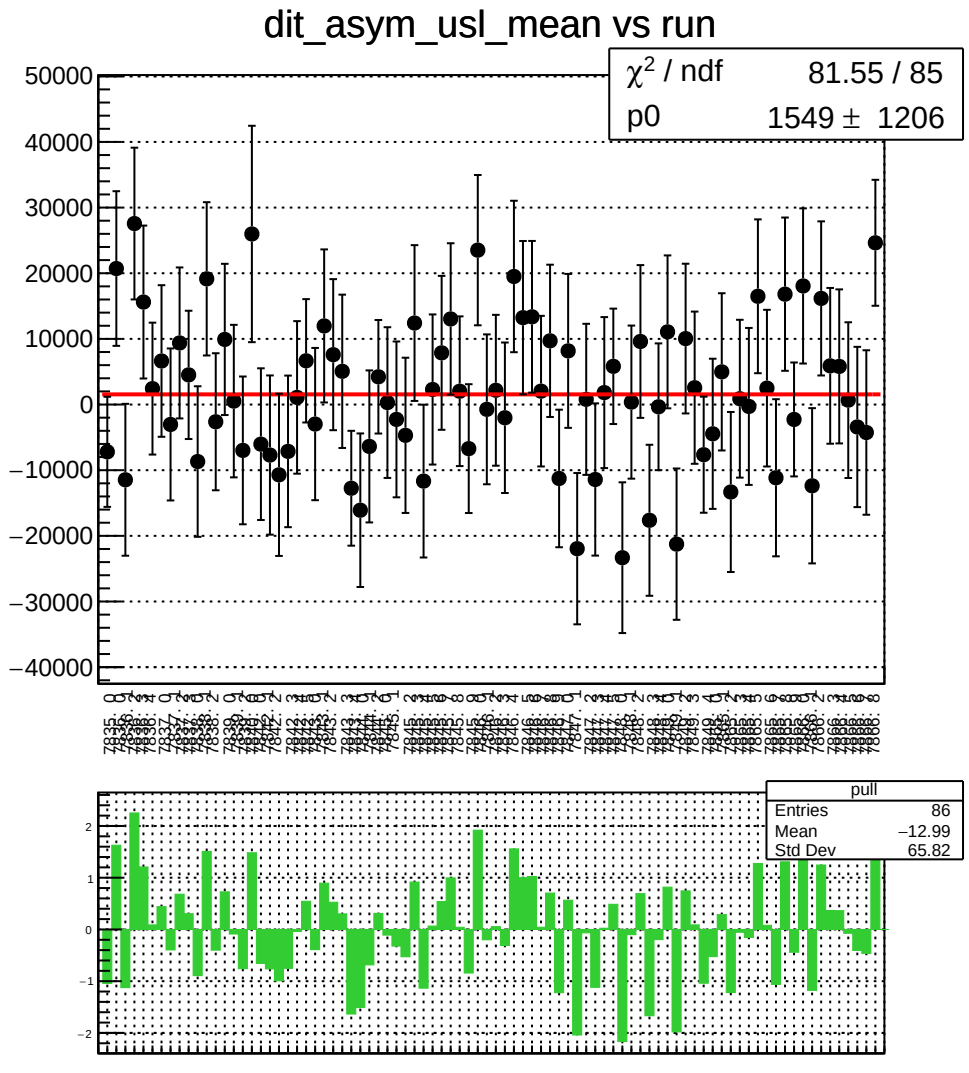

pull1D
Entries 86
Mean −0.001845
Std Dev 1.036

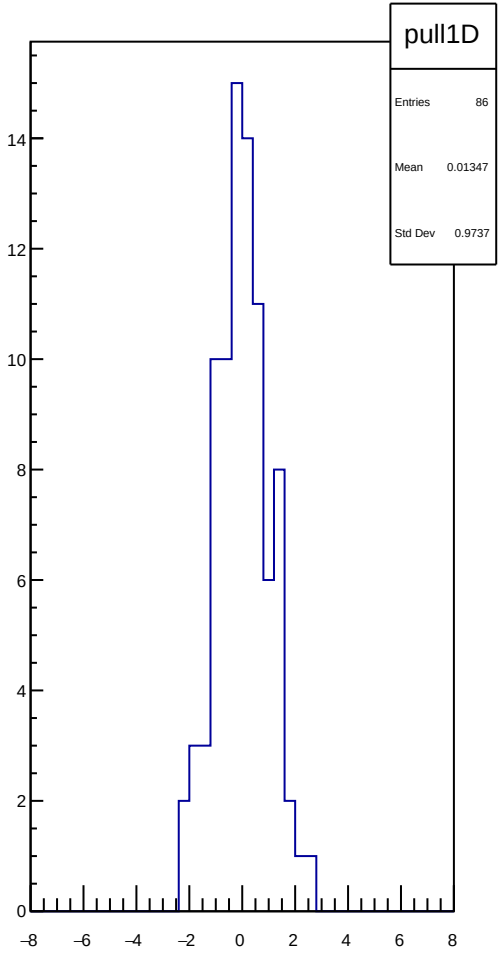

asym_us_dd_correction_rms vs run
χ² / ndf 2.526e+04 / 85
p0 2354 ± 1.83
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

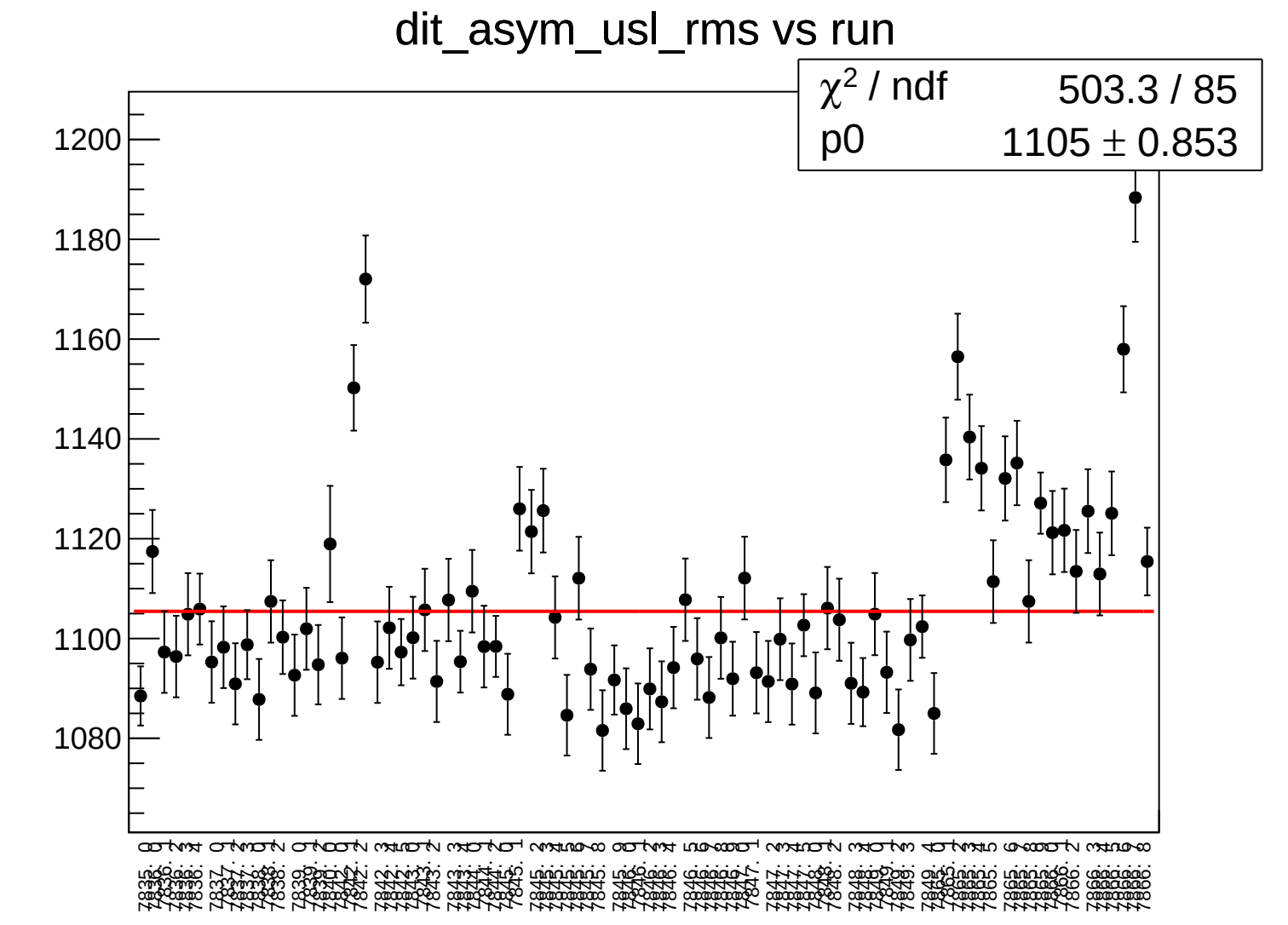

asym_us_dd_mean vs run
χ² / ndf 79.92 / 85
p0 −891 ± 1972
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 58.85
Std Dev 27.87
2
1.5
1
0.5
0
−0.5
−1
−1.5

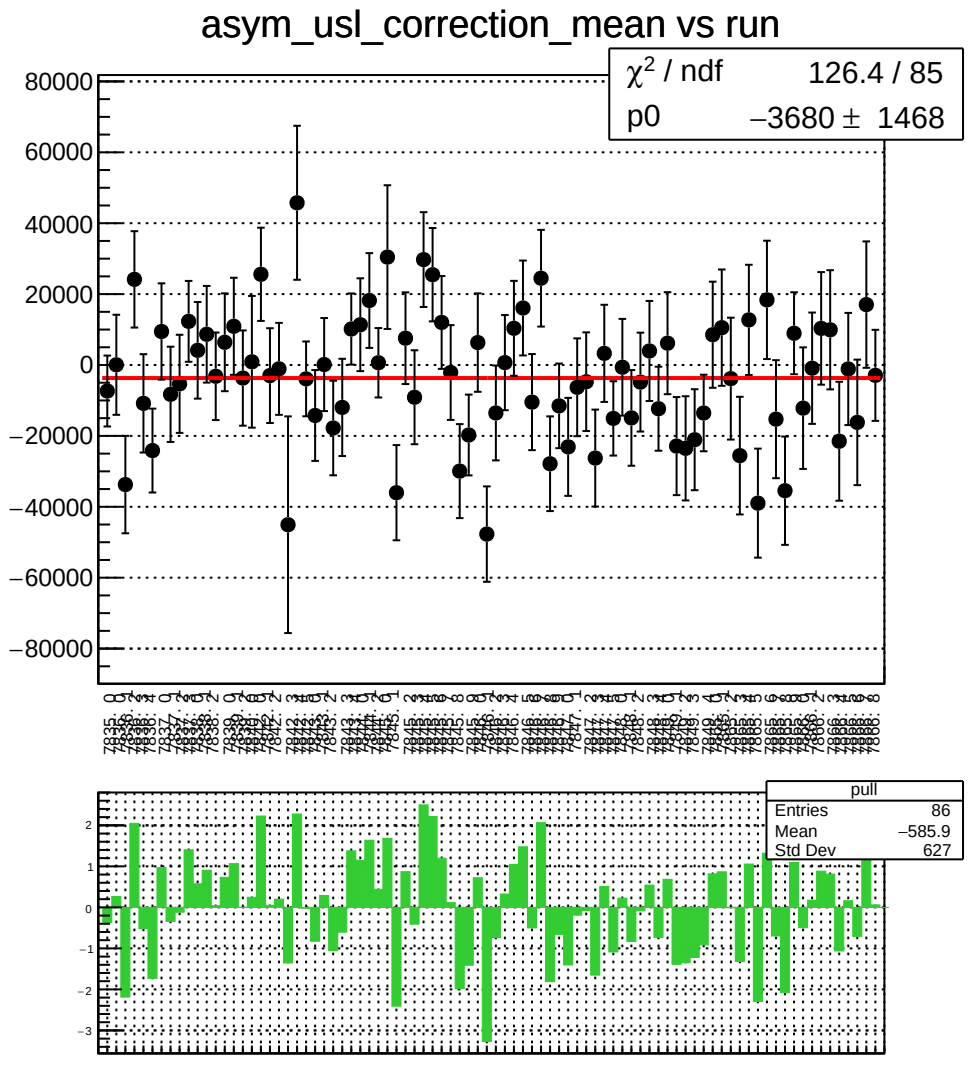

pull1D
Entries 86
Mean 0.01326
Std Dev 0.9639
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

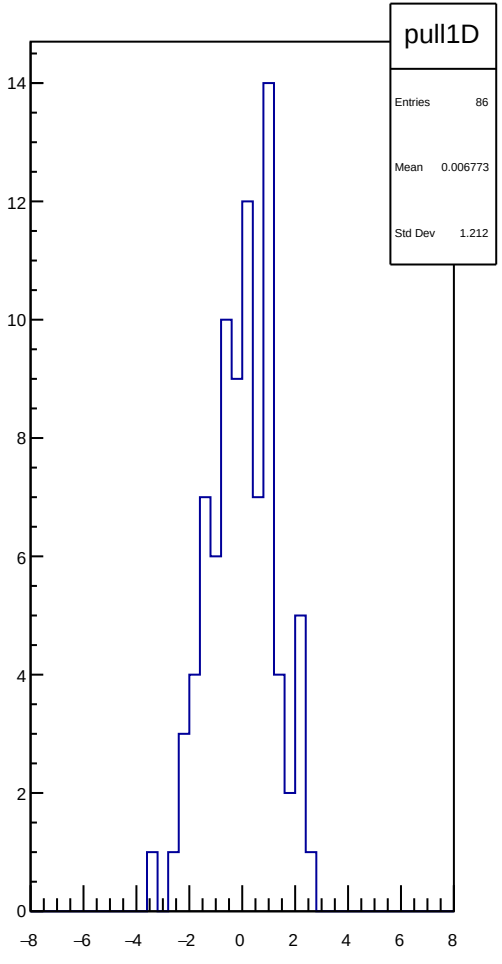

asym_us_dd_rms vs run
χ^2 / ndf 1.486e+04 / 85
p0 1799 ± 1.394
2600
2400
2200
2000
1800
1600

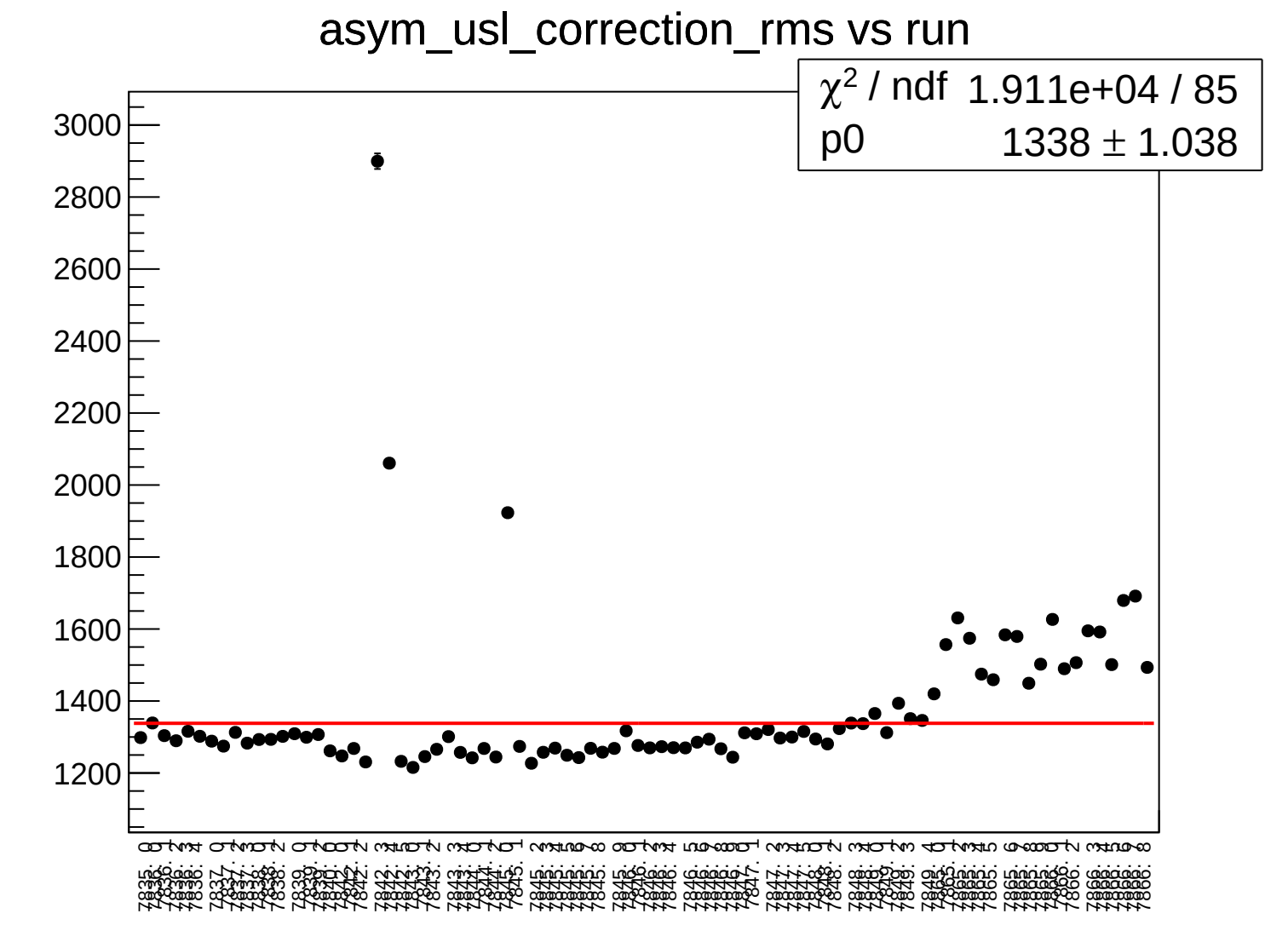

dit_asym_usl_mean vs run
χ² / ndf 81.55 / 85
p0 1549 ± 1206
pull
Entries 86
Mean −12.99
Std Dev 65.82

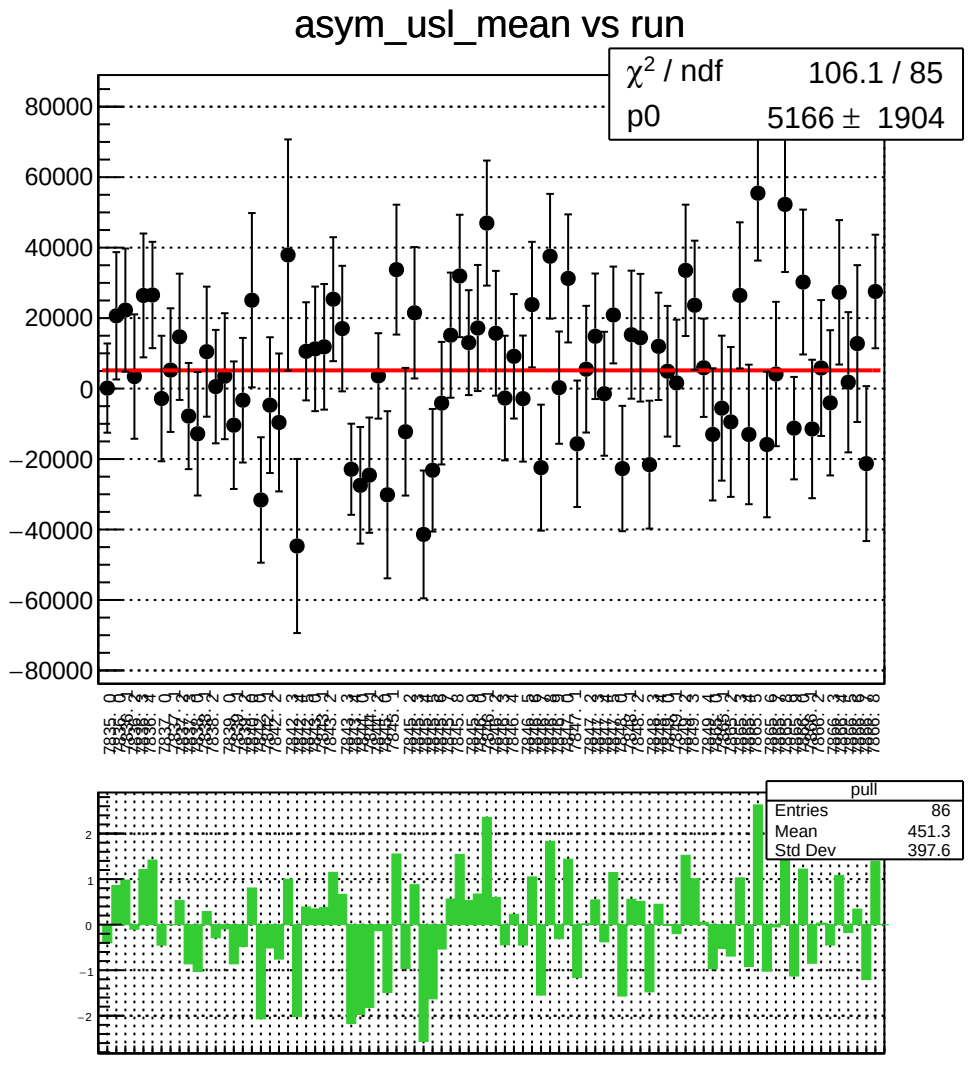

pull1D
Entries 86
Mean 0.01347
Std Dev 0.9737

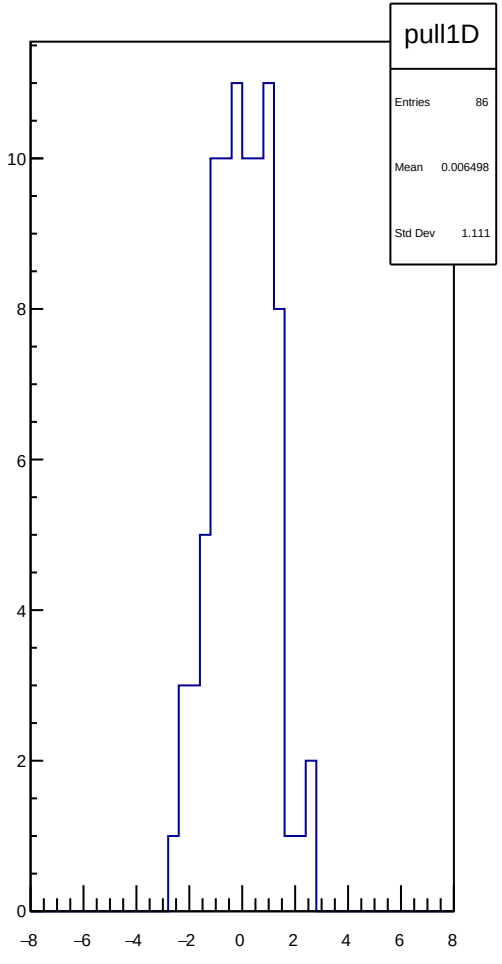

dit_asym_usl_rms vs run
χ^2 / ndf 503.3 / 85
p0 1105 ± 0.853
1200
1180
1160
1140
1120
1100
1080

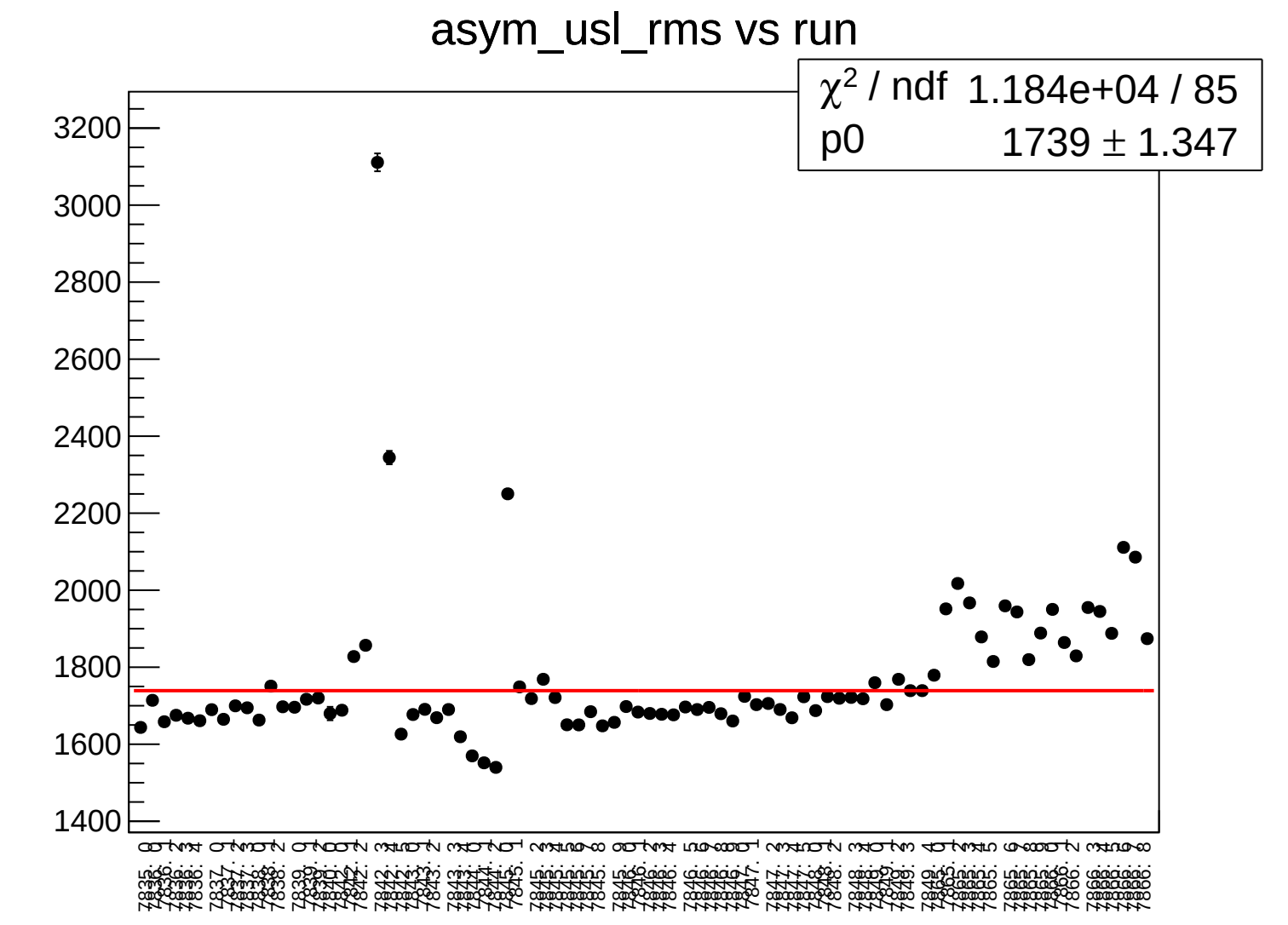

asym_usl_correction_mean vs run
χ² / ndf 126.4 / 85
p0 −3680 ± 1468
pull
Entries 86
Mean −585.9
Std Dev 627

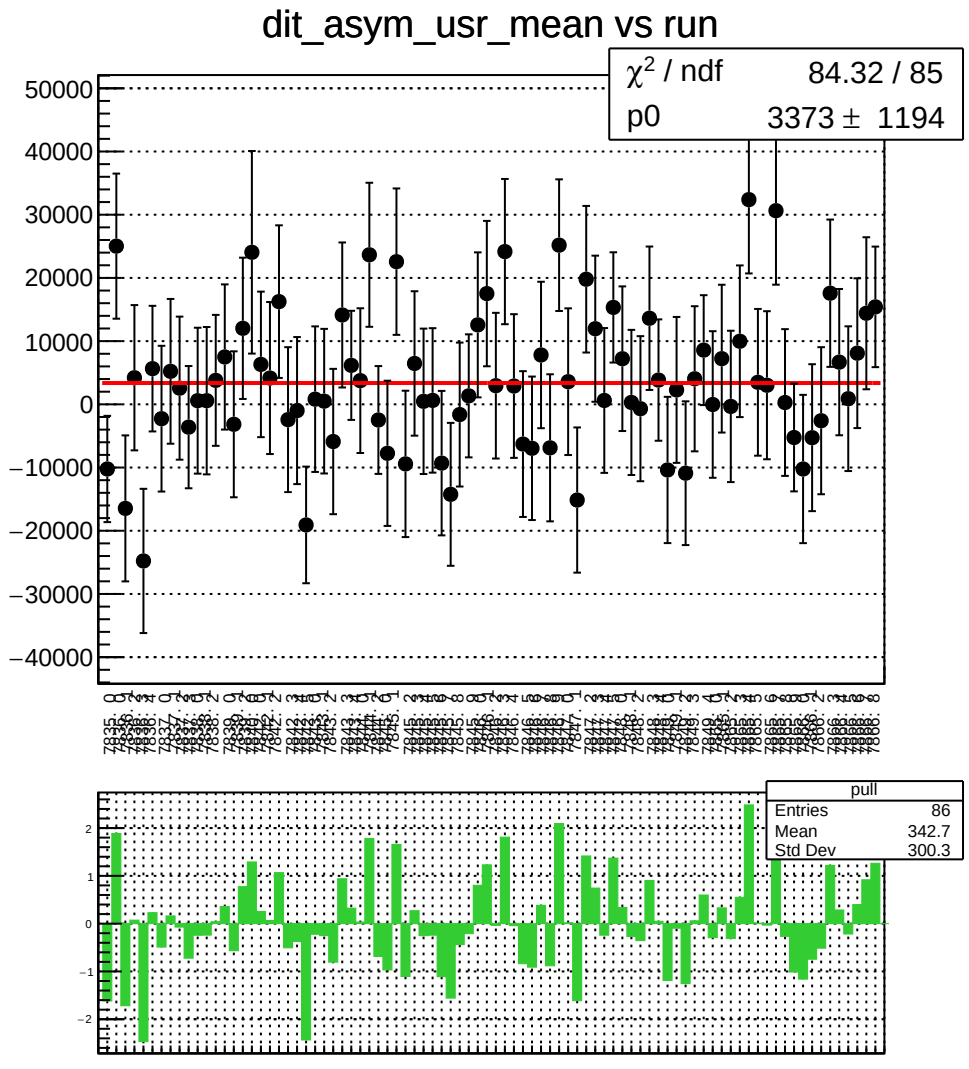

pull1D
Entries 86
Mean 0.006773
Std Dev 1.212

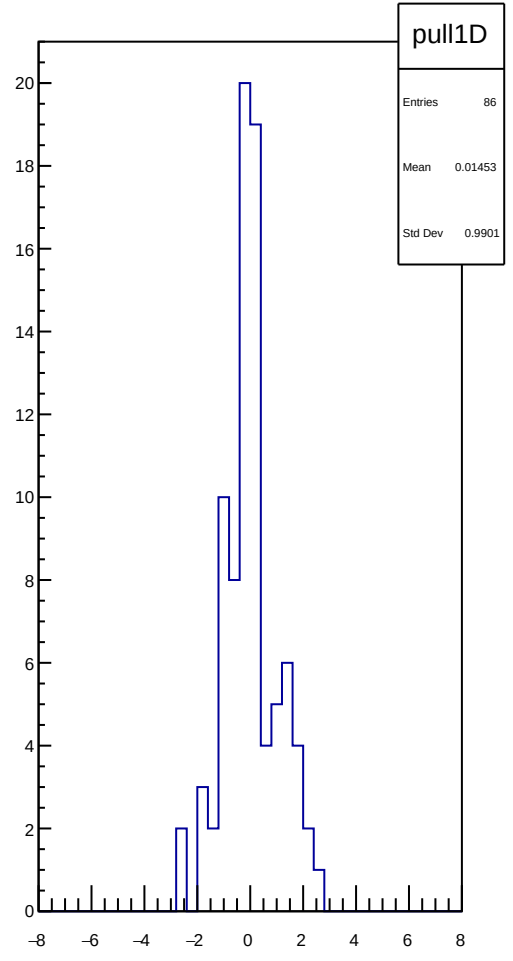

asym_usl_correction_rms vs run
χ² / ndf 1.911e+04 / 85
p0 1338 ± 1.038
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

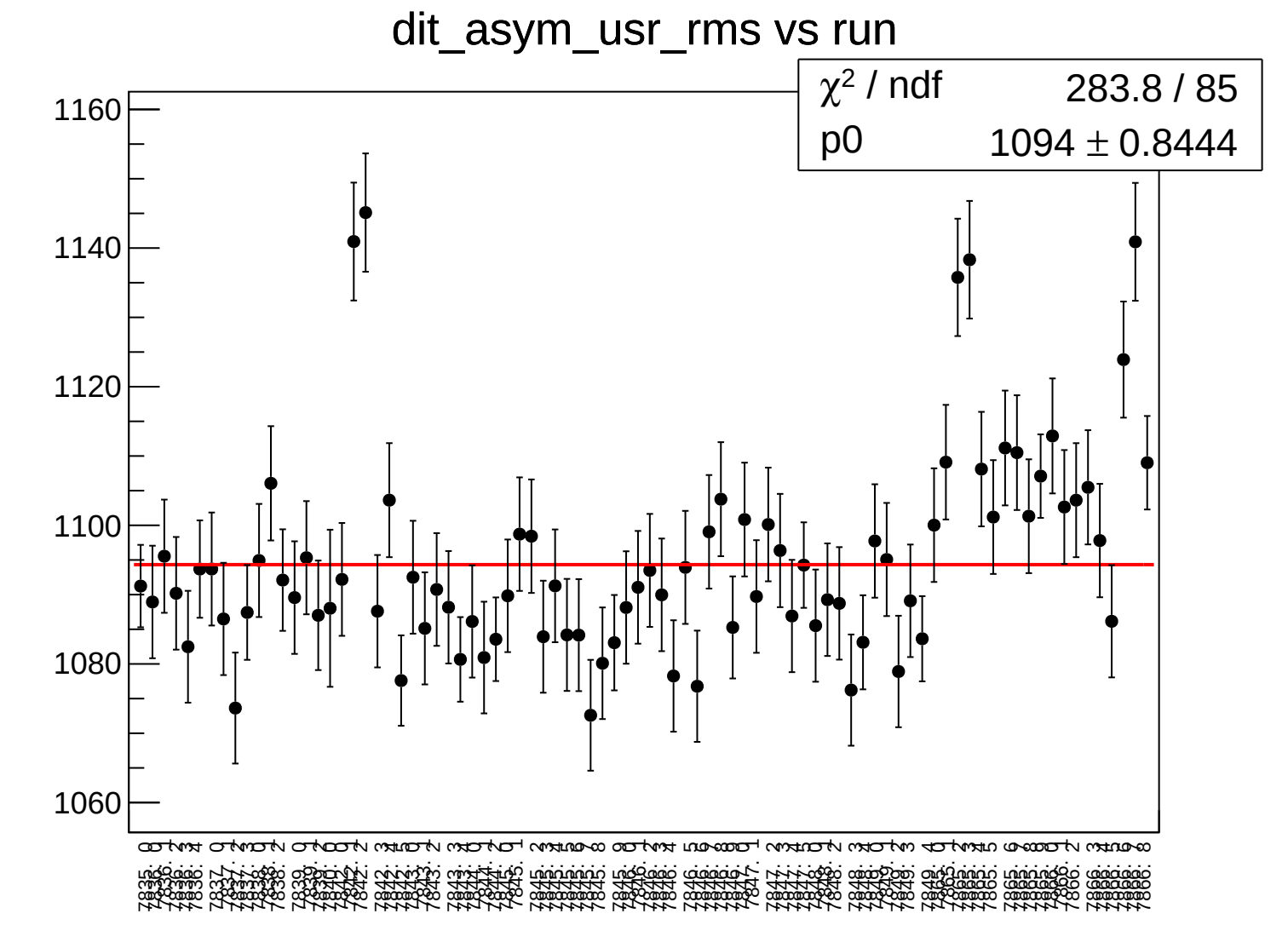

asym_usl_mean vs run
χ² / ndf 106.1 / 85
p0 5166 ± 1904
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean 451.3
Std Dev 397.6
2
1
0
−1
−2

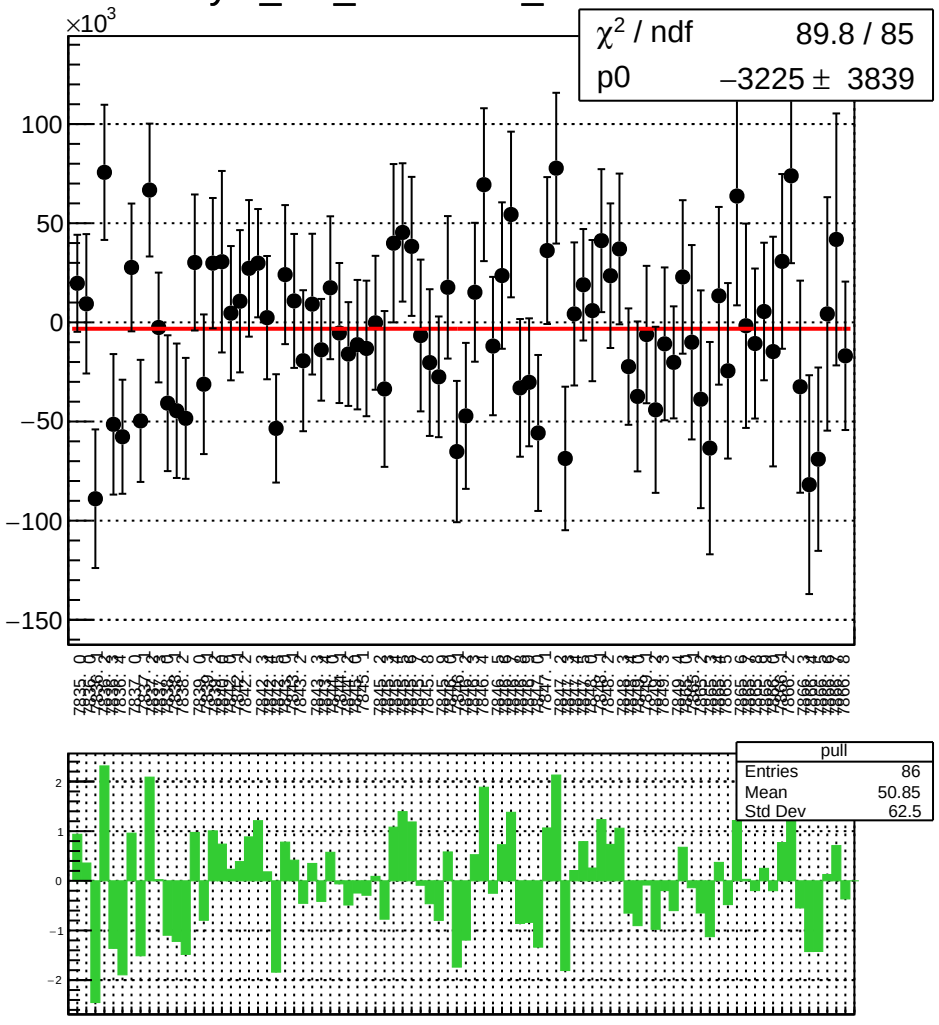

pull1D
Entries 86
Mean 0.006498
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

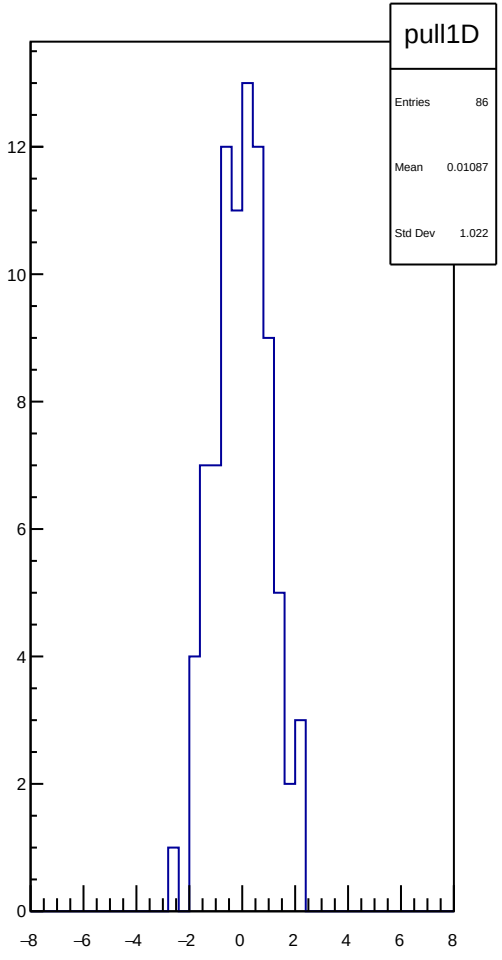

asym_usl_rms vs run
χ² / ndf 1.184e+04 / 85
p0 1739 ± 1.347
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

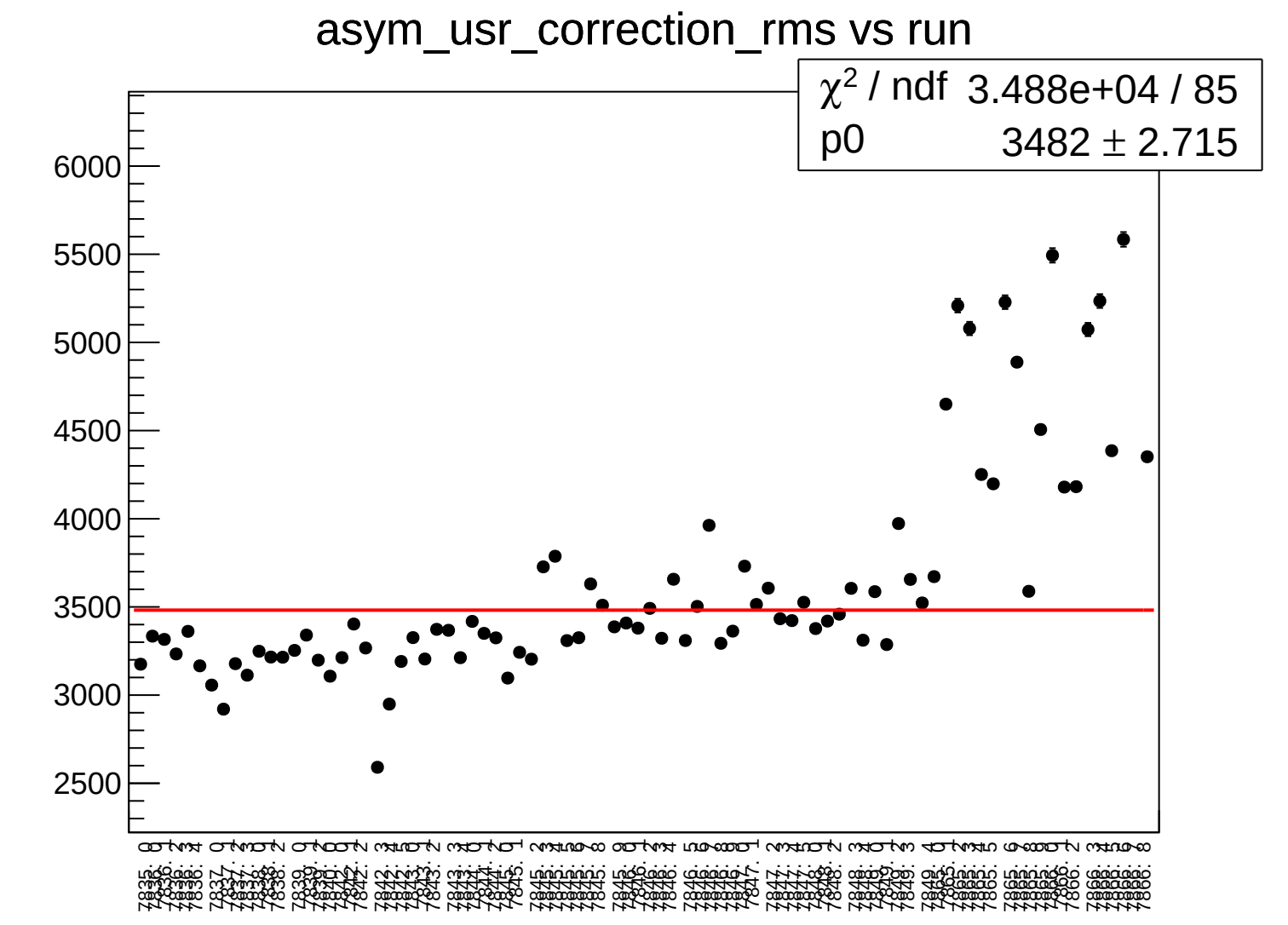

dit_asym_usr_mean vs run
χ² / ndf 84.32 / 85
p0 3373 ± 1194
pull
Entries 86
Mean 342.7
Std Dev 300.3

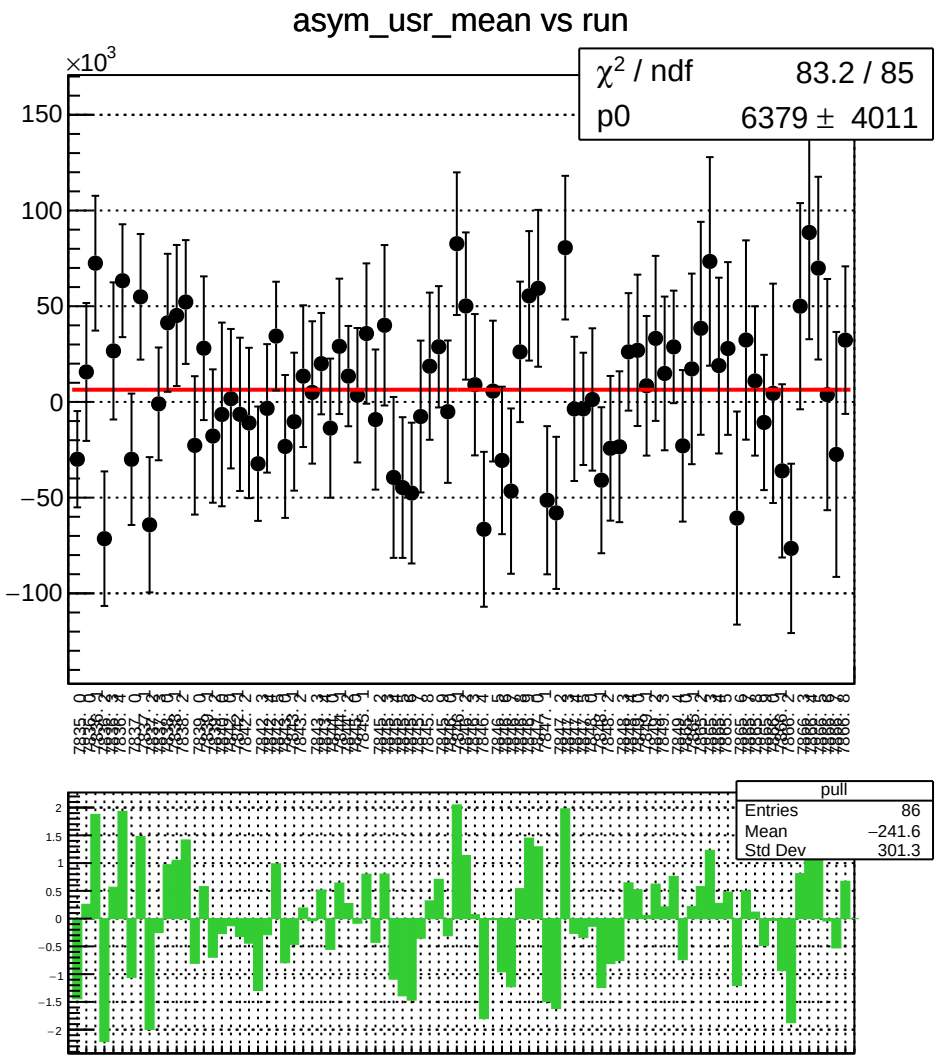

pull1D
Entries 86
Mean 0.01453
Std Dev 0.9901

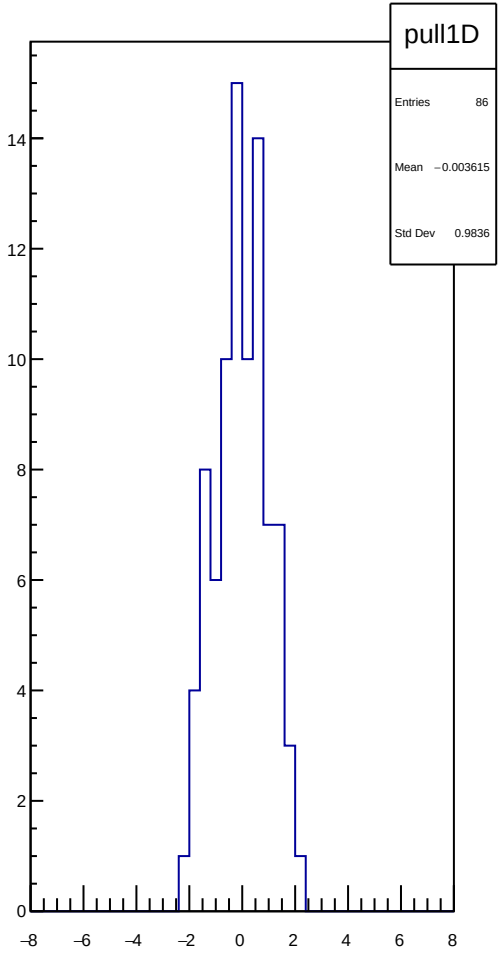

dit_asym_usr_rms vs run
χ² / ndf 283.8 / 85
p0 1094 ± 0.8444
1160
1140
1120
1100
1080
1060

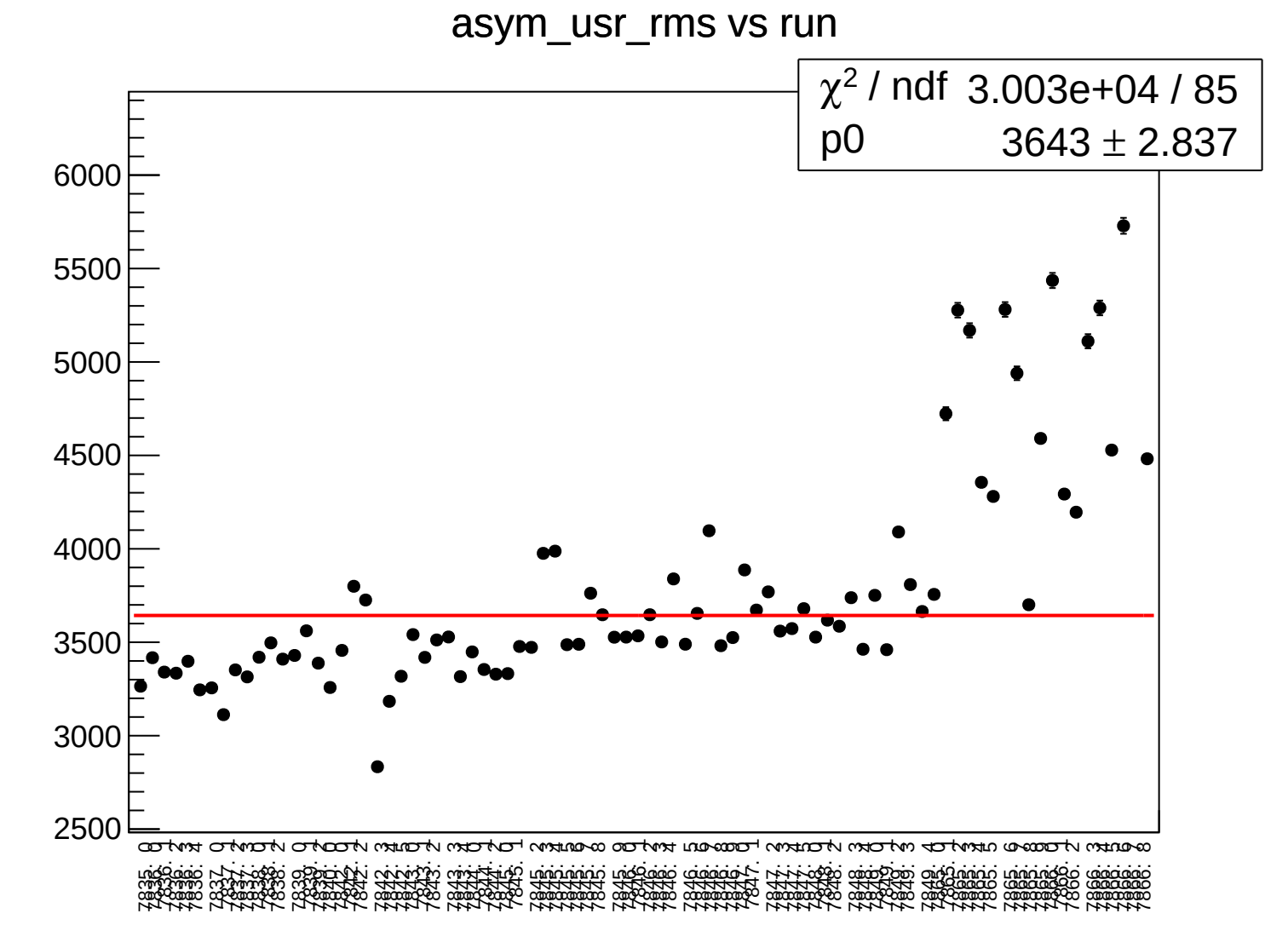

asym_usr_correction_mean vs run
×10^3
χ^2 / ndf 89.8 / 85
p0 −3225 ± 3839
100
50
0
−50
−100
−150
pull
Entries 86
Mean 50.85
Std Dev 62.5
2
1
0
−1
−2

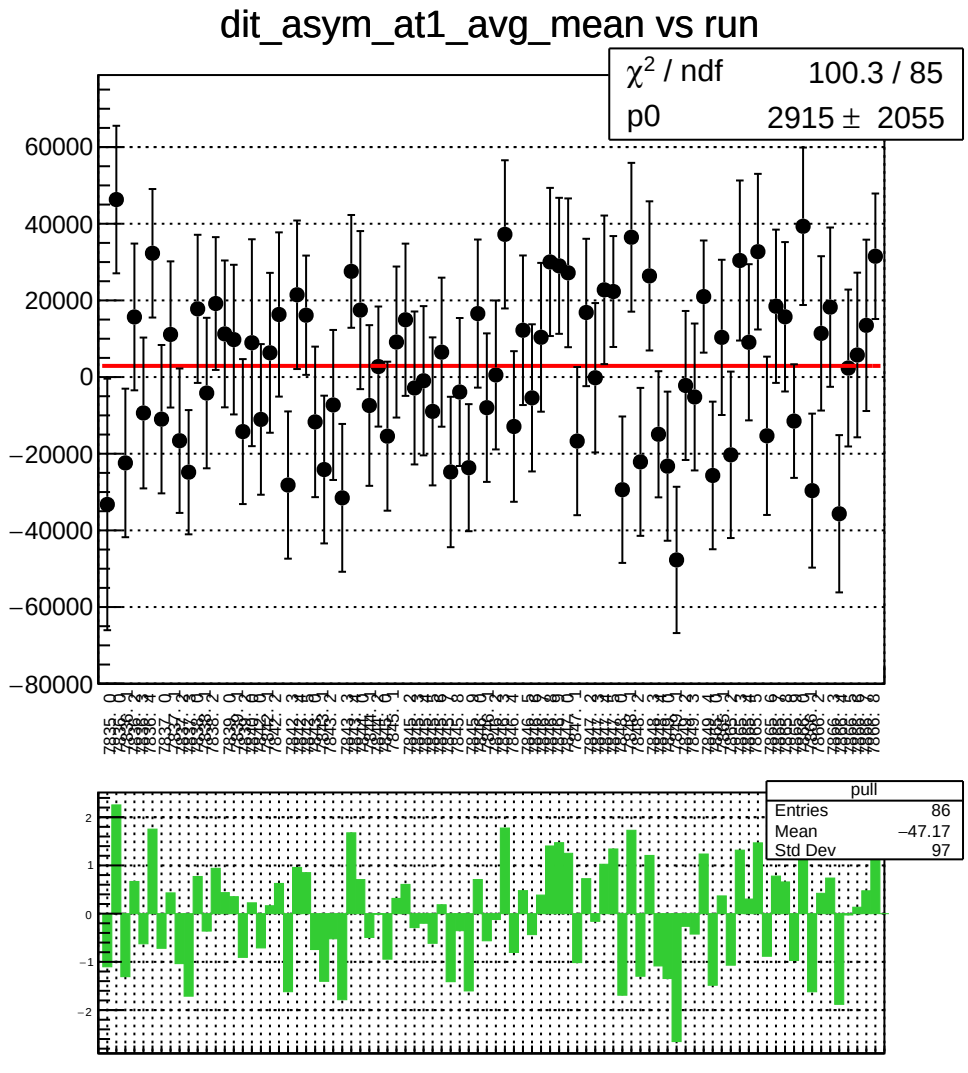

pull1D
Entries 86
Mean 0.01087
Std Dev 1.022
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

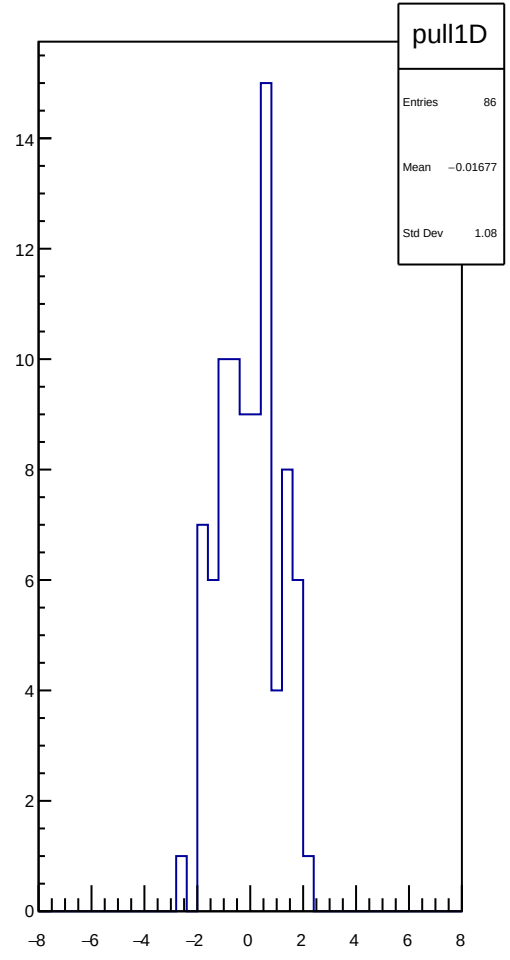

asym_usr_correction_rms vs run
χ² / ndf 3.488e+04 / 85
p0 3482 ± 2.715
6000
5500
5000
4500
4000
3500
3000
2500

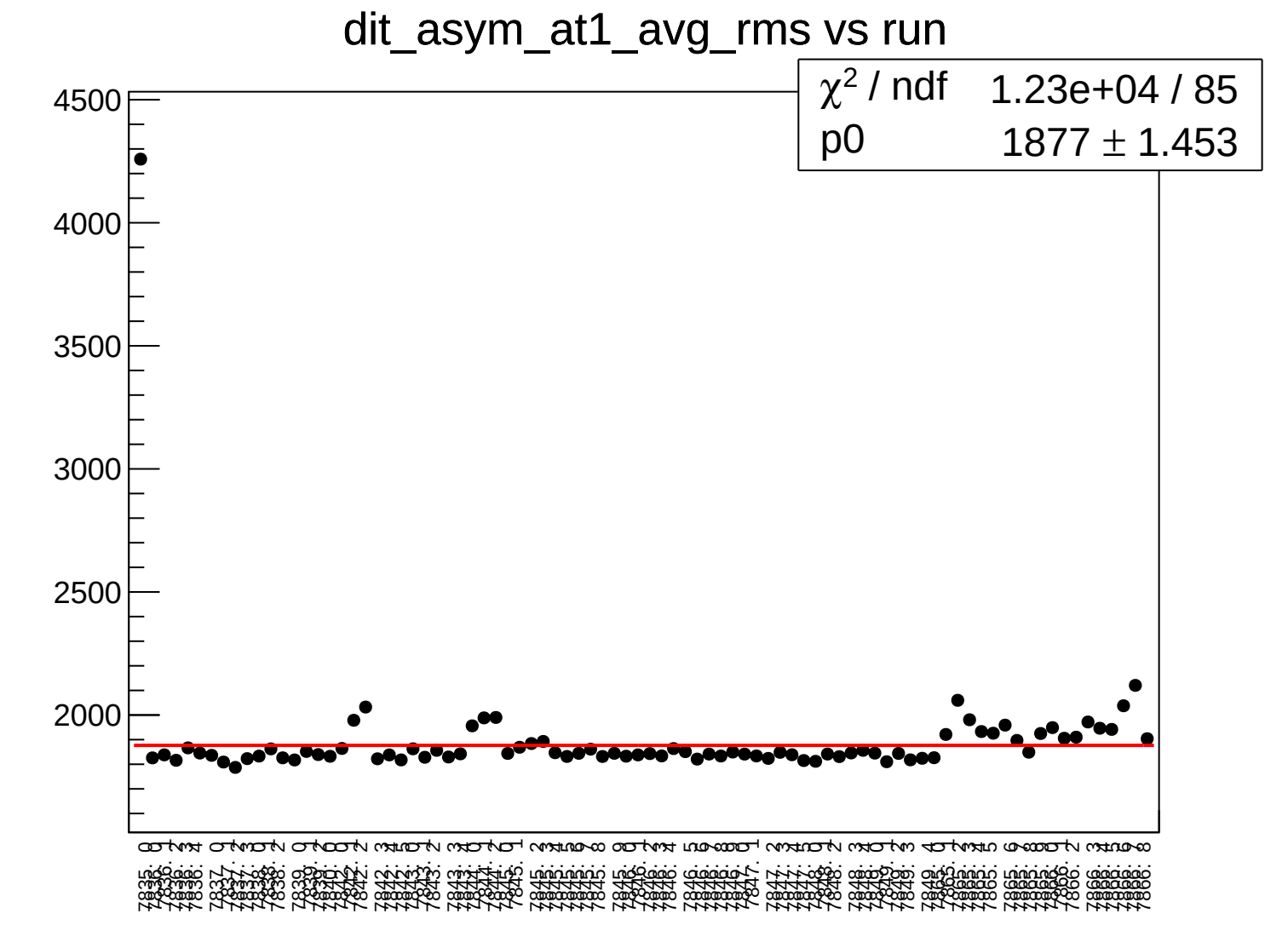

asym_usr_mean vs run
×10^3
χ² / ndf 83.2 / 85
p0 6379 ± 4011
150
100
50
0
−50
−100
pull
Entries 86
Mean −241.6
Std Dev 301.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

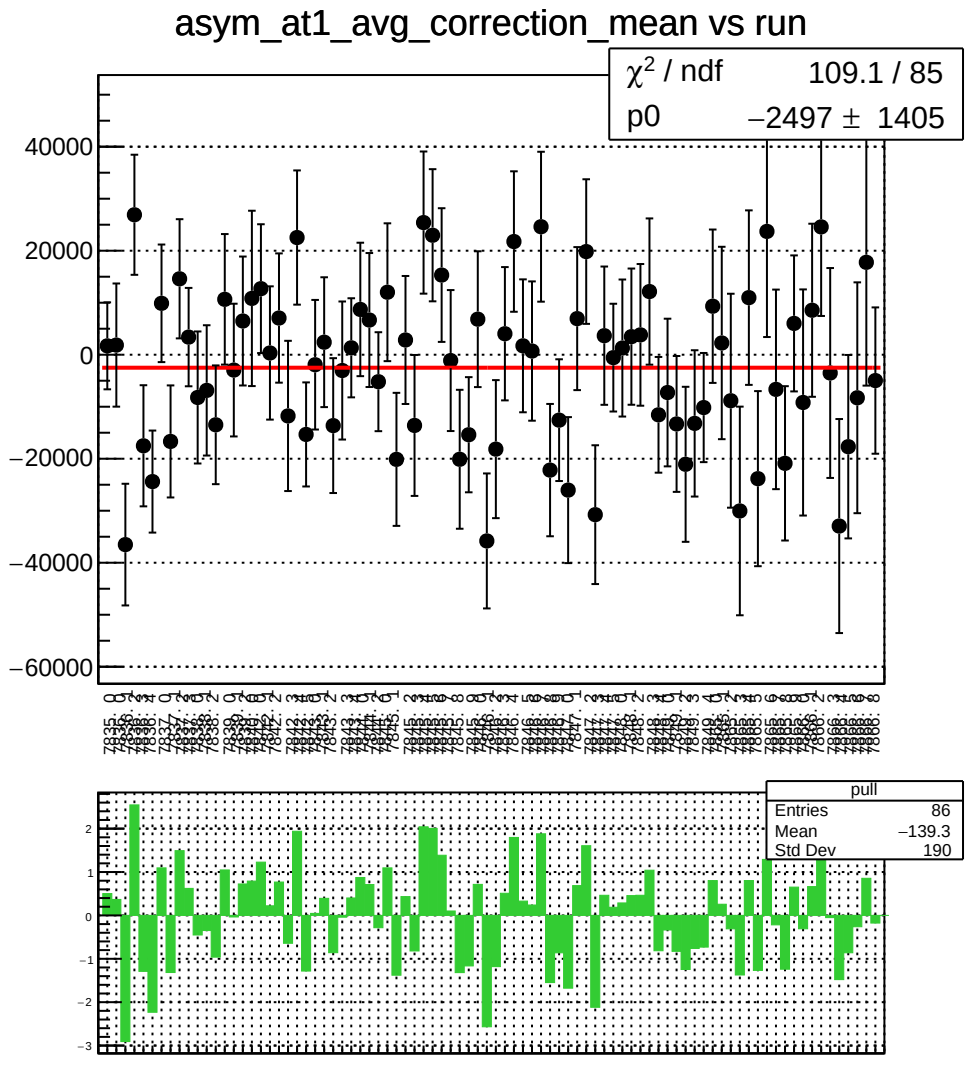

pull1D
Entries 86
Mean −0.003615
Std Dev 0.9836
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

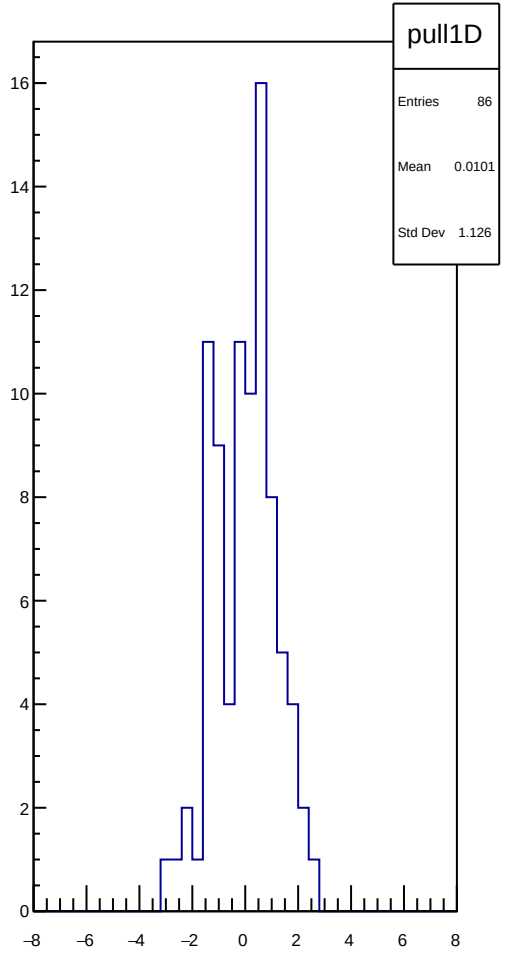

asym_usr_rms vs run
χ^2 / ndf 3.003e+04 / 85
p0 3643 ± 2.837
6000
5500
5000
4500
4000
3500
3000
2500

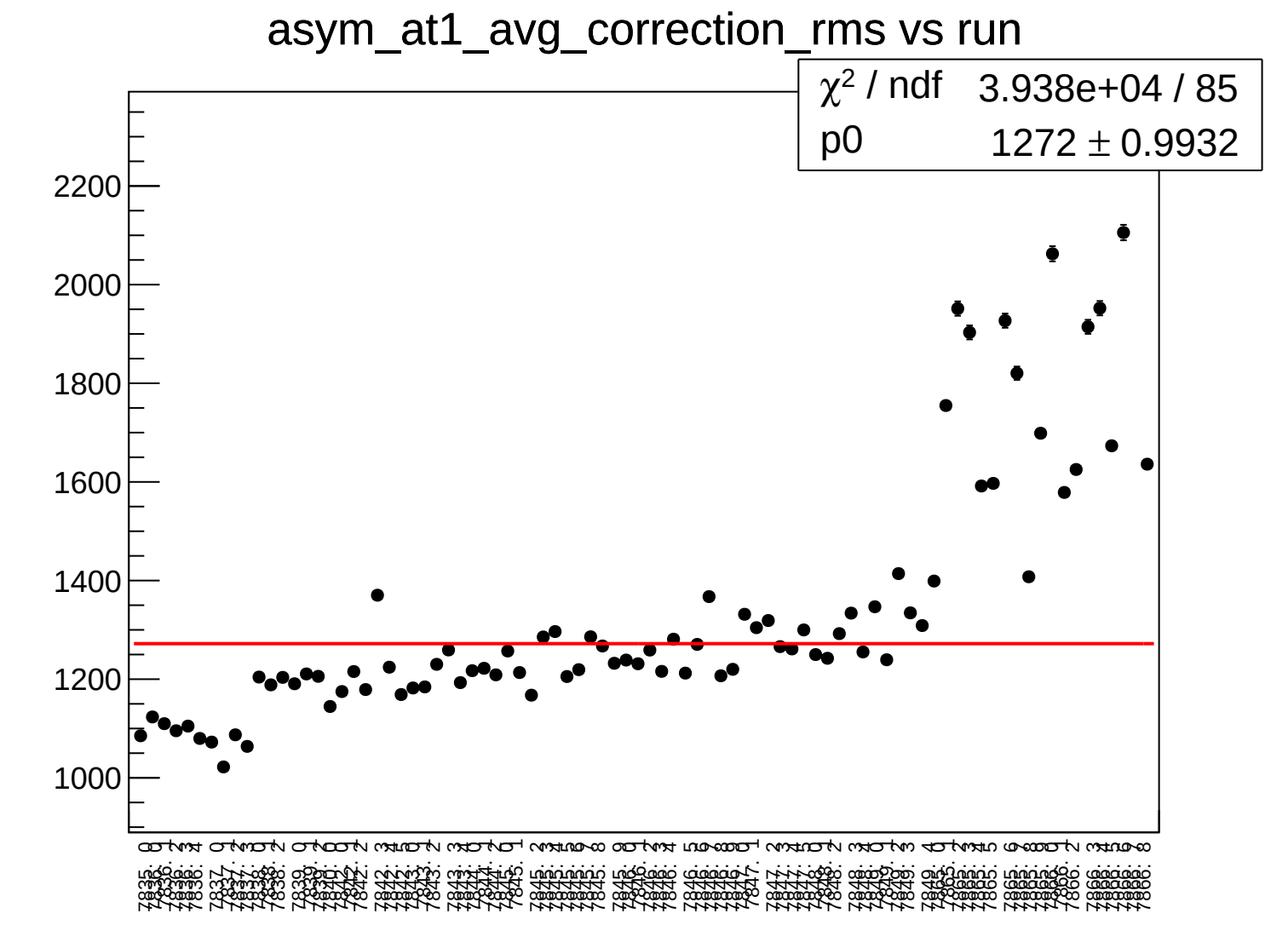

dit_asym_at1_avg_mean vs run
χ² / ndf 100.3 / 85
p0 2915 ± 2055
pull
Entries 86
Mean −47.17
Std Dev 97

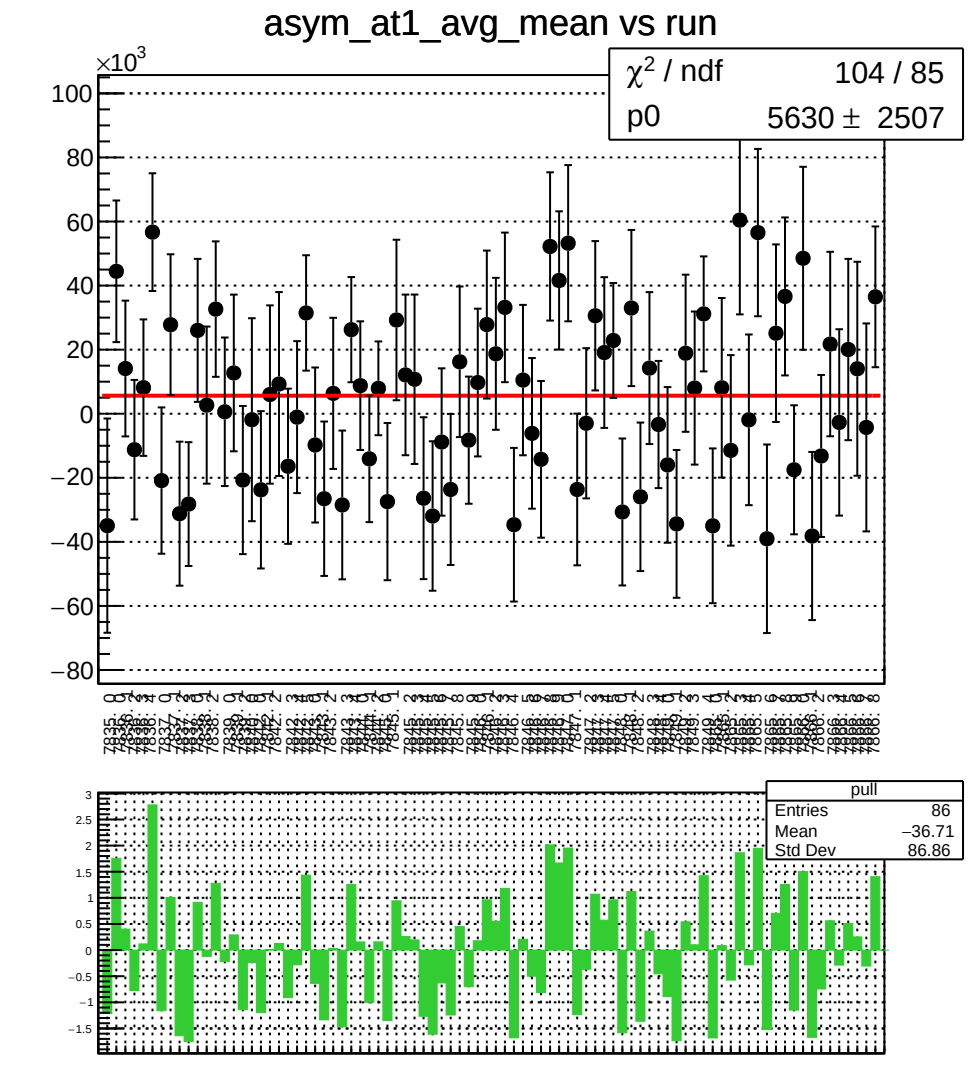

pull1D
Entries 86
Mean −0.01677
Std Dev 1.08

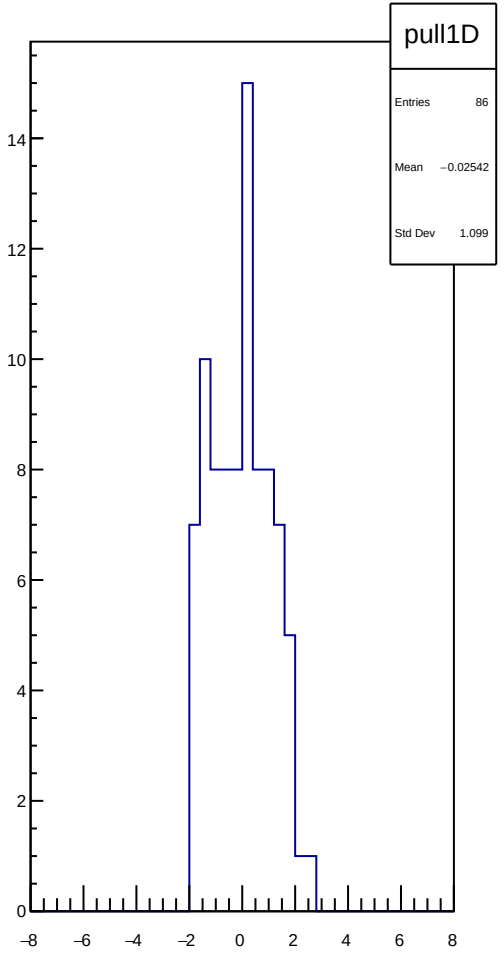

dit_asym_at1_avg_rms vs run
χ^2 / ndf 1.23e+04 / 85
p0 1877 ± 1.453
4500
4000
3500
3000
2500
2000

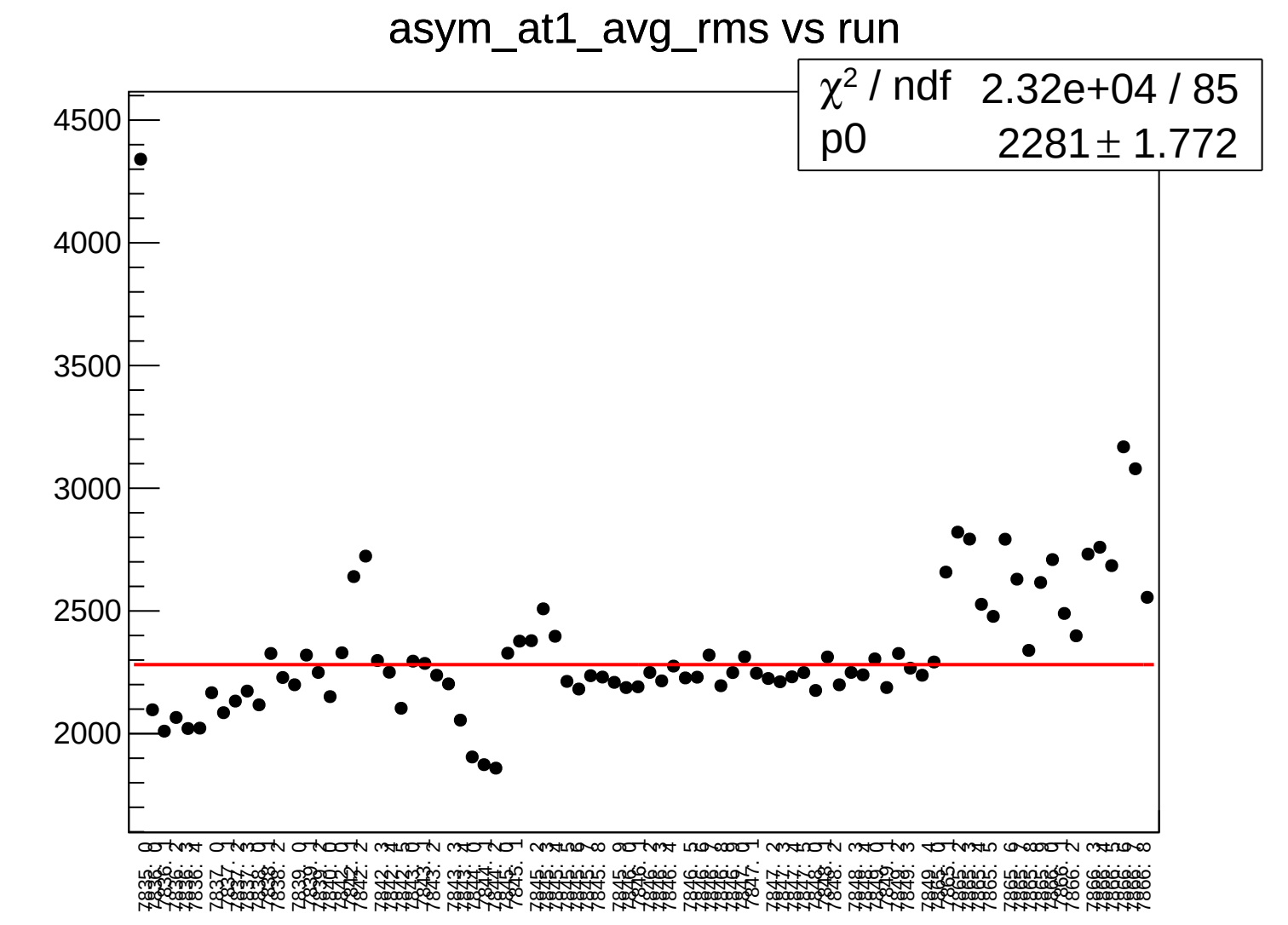

asym_at1_avg_correction_mean vs run
χ² / ndf 109.1 / 85
p0 −2497 ± 1405
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −139.3
Std Dev 190
2
1
0
−1
−2
−3

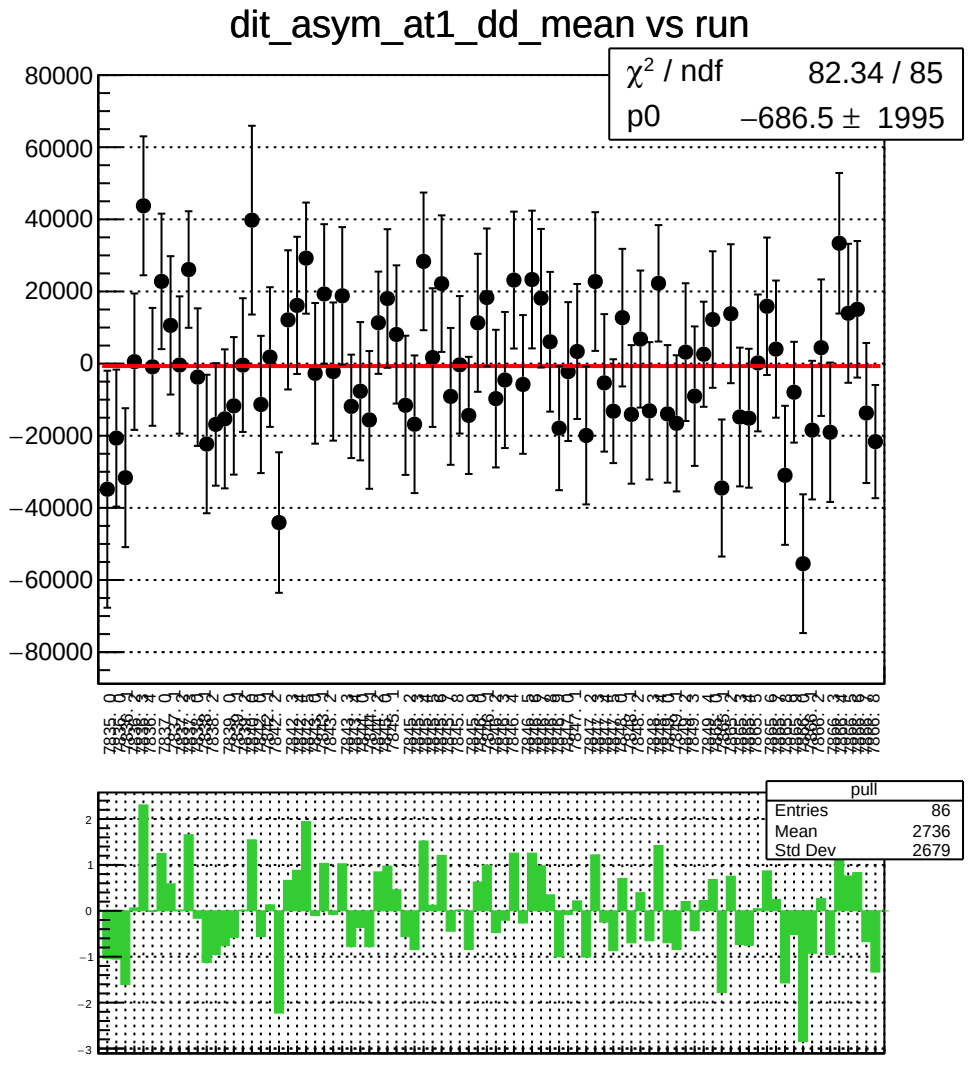

pull1D
Entries 86
Mean 0.0101
Std Dev 1.126
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

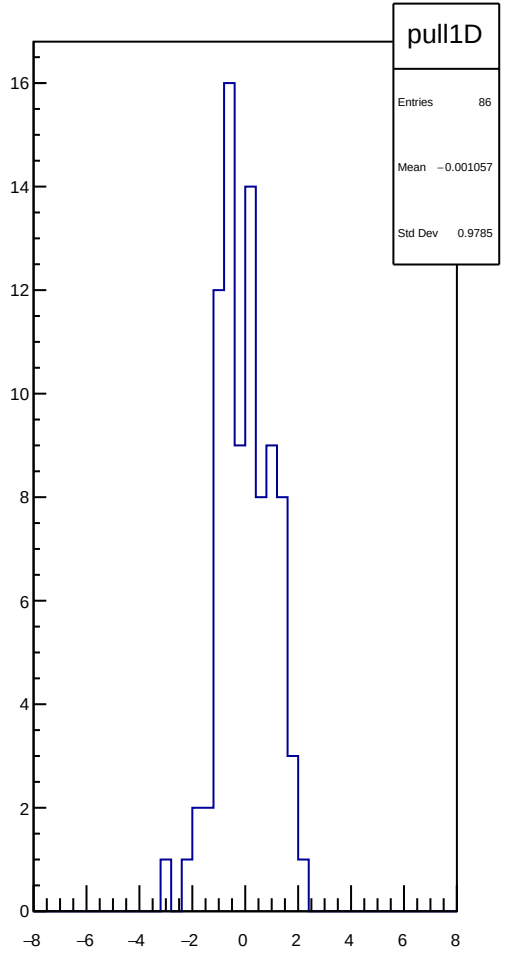

asym_at1_avg_correction_rms vs run
χ² / ndf 3.938e+04 / 85
p0 1272 ± 0.9932
2200
2000
1800
1600
1400
1200
1000

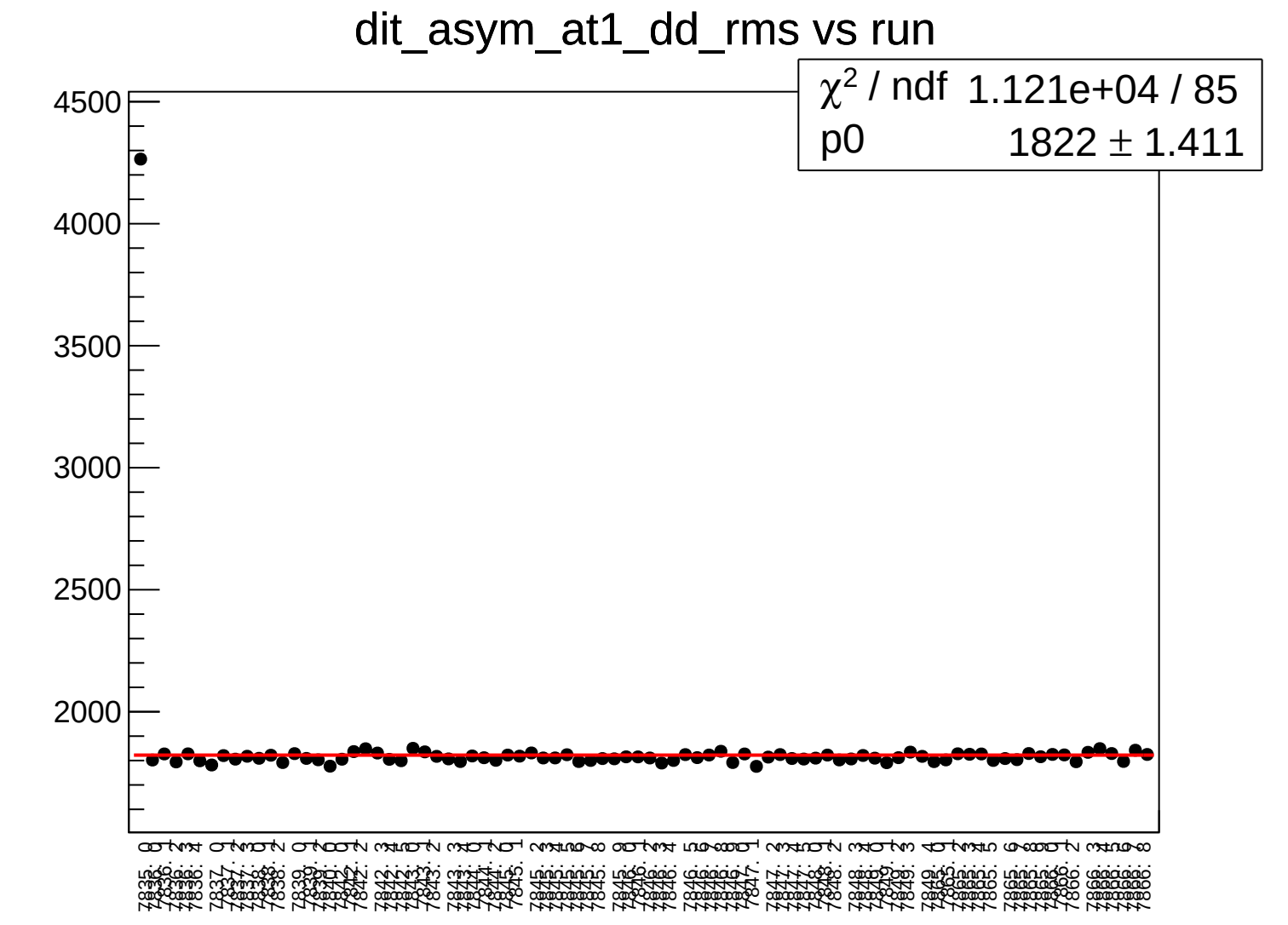

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 104 / 85
p0 5630 ± 2507
pull
Entries 86
Mean −36.71
Std Dev 86.86

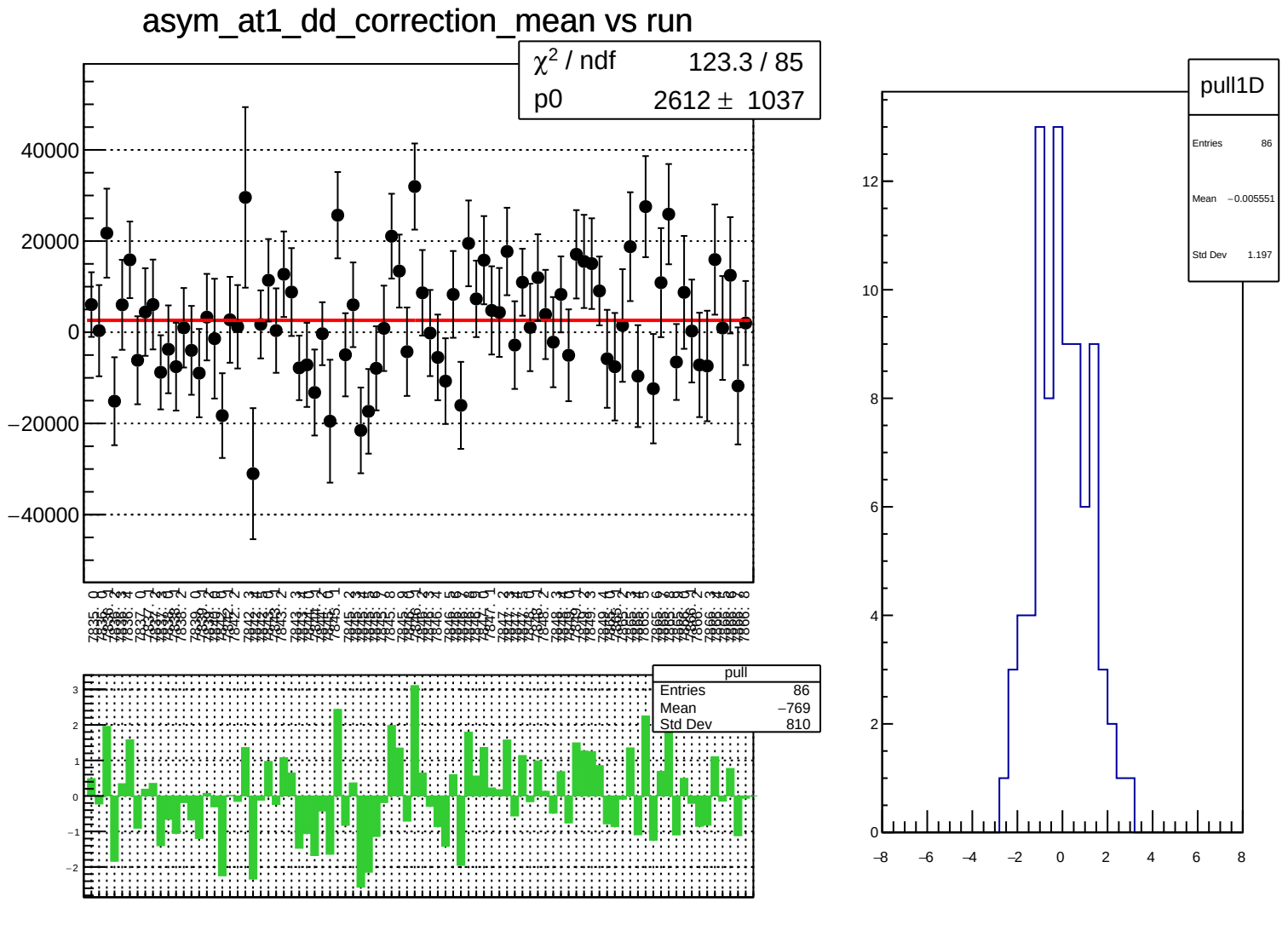

pull1D
Entries 86
Mean −0.02542
Std Dev 1.099

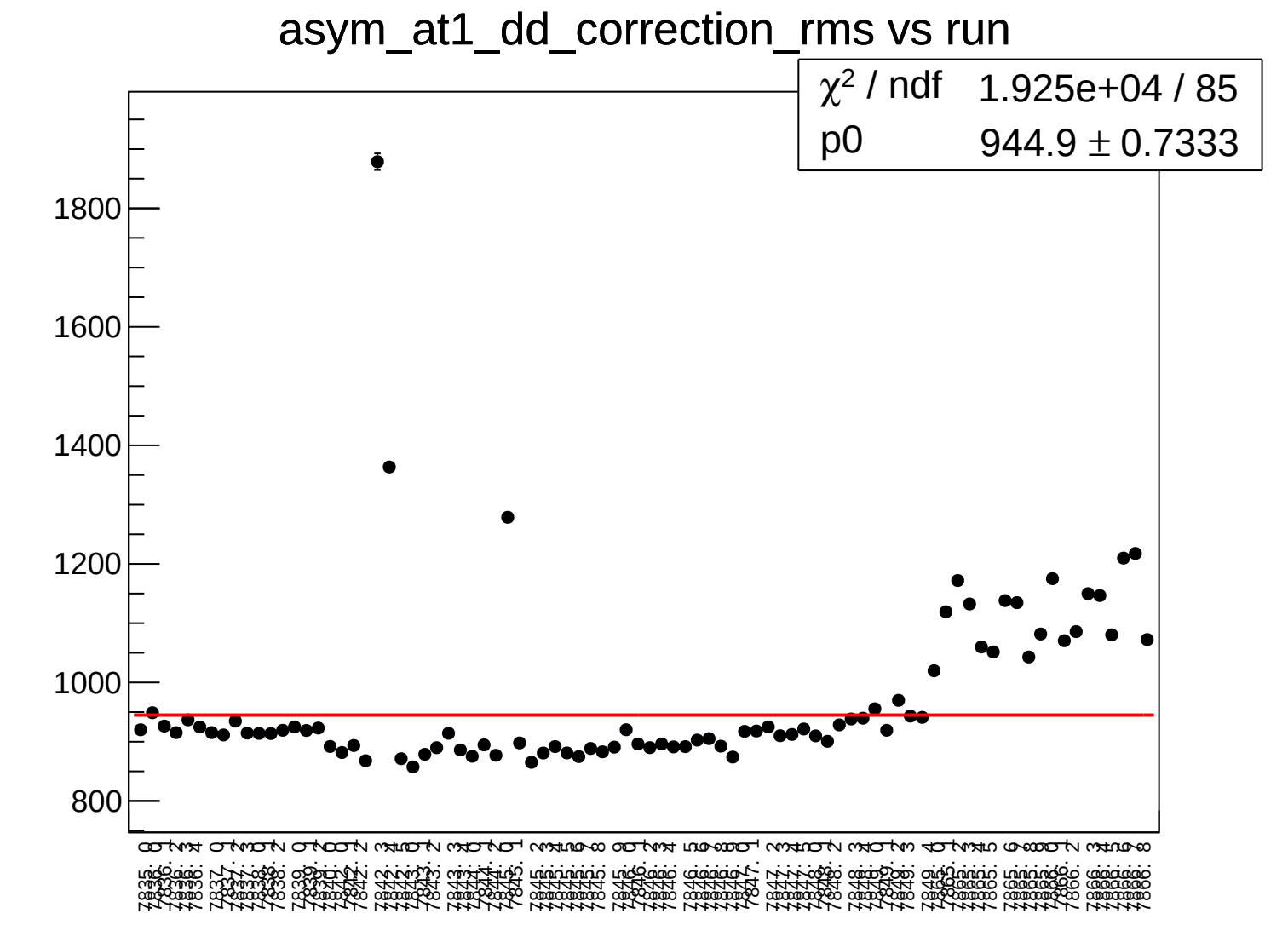

asym_at1_avg_rms vs run
χ^2 / ndf 2.32e+04 / 85
p0 2281 ± 1.772
4500
4000
3500
3000
2500
2000

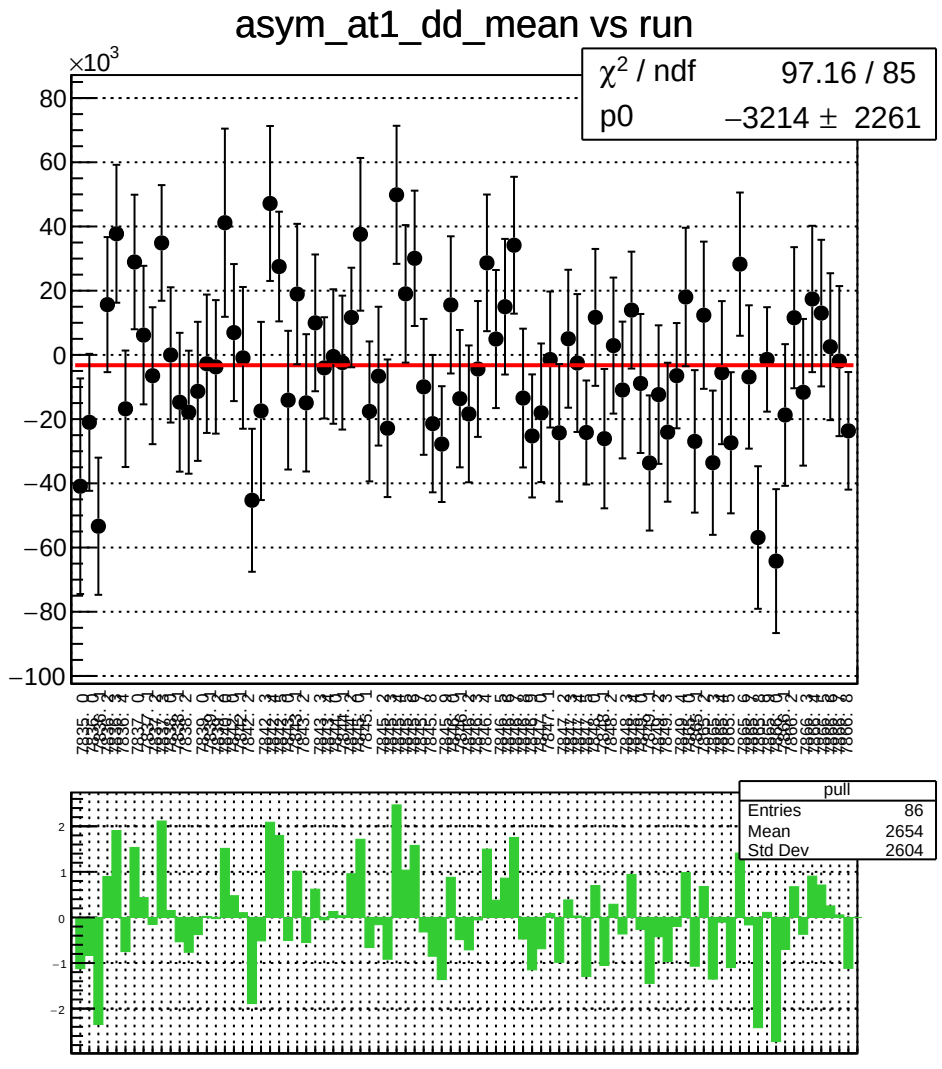

dit_asym_at1_dd_mean vs run
χ² / ndf 82.34 / 85
p0 −686.5 ± 1995
pull
Entries 86
Mean 2736
Std Dev 2679

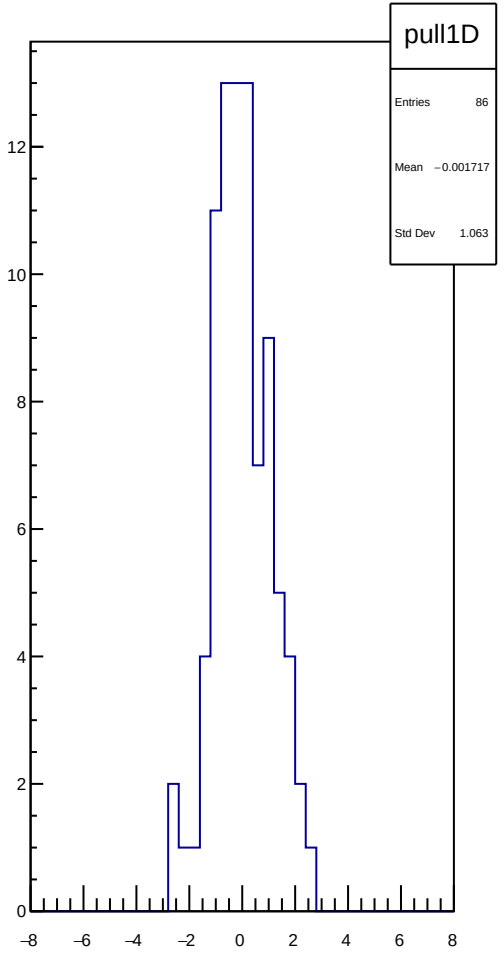

pull1D
Entries 86
Mean −0.001057
Std Dev 0.9785

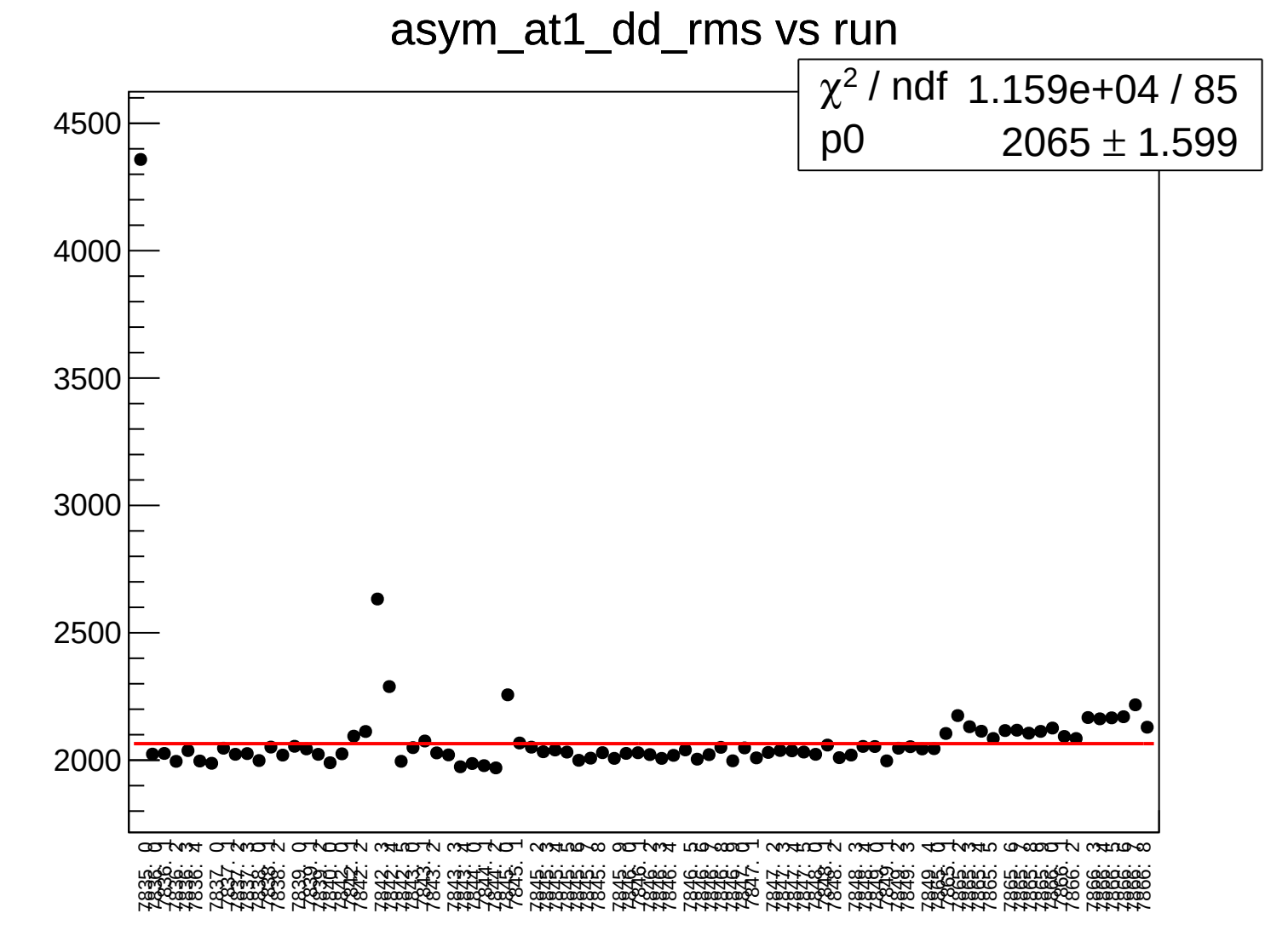

dit_asym_at1_dd_rms vs run
χ² / ndf 1.121e+04 / 85
p0 1822 ± 1.411
4500
4000
3500
3000
2500
2000

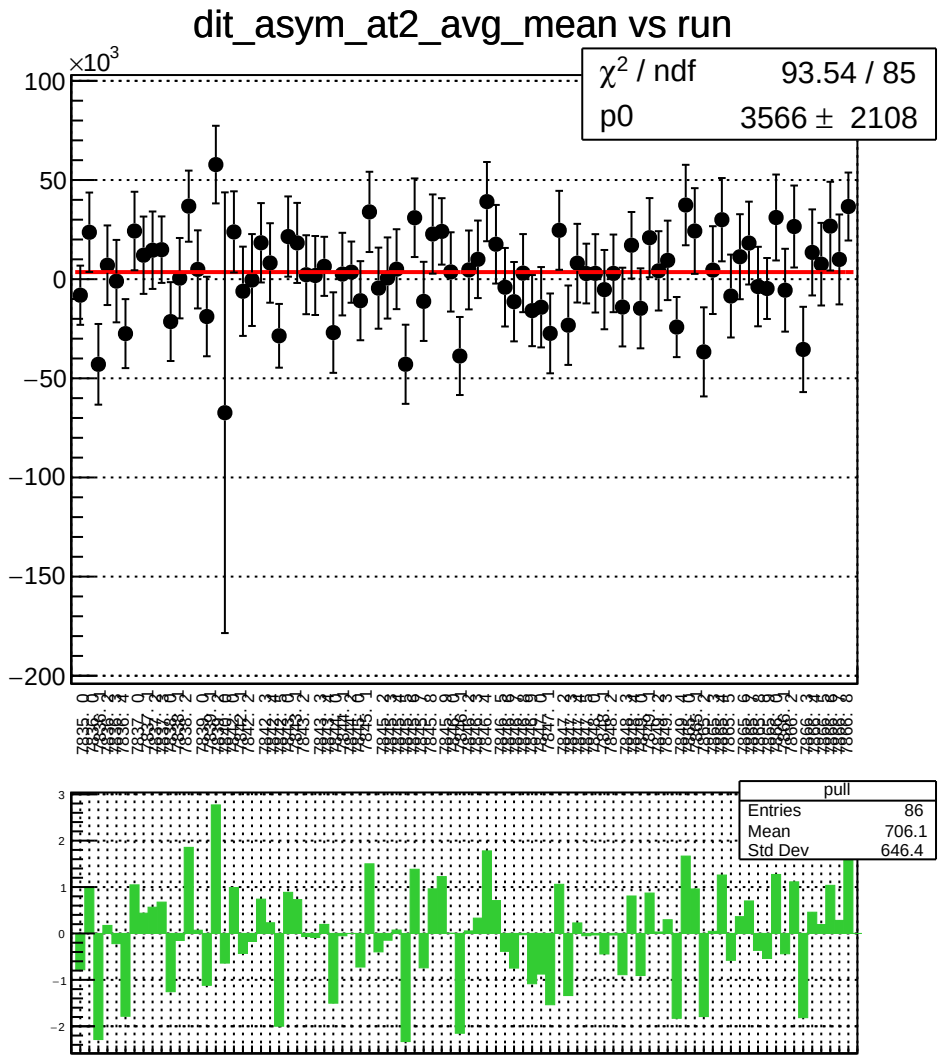

asym_at1_dd_correction_mean vs run
χ² / ndf 123.3 / 85
p0 2612 ± 1037
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −769
Std Dev 810
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.005551
Std Dev 1.197
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

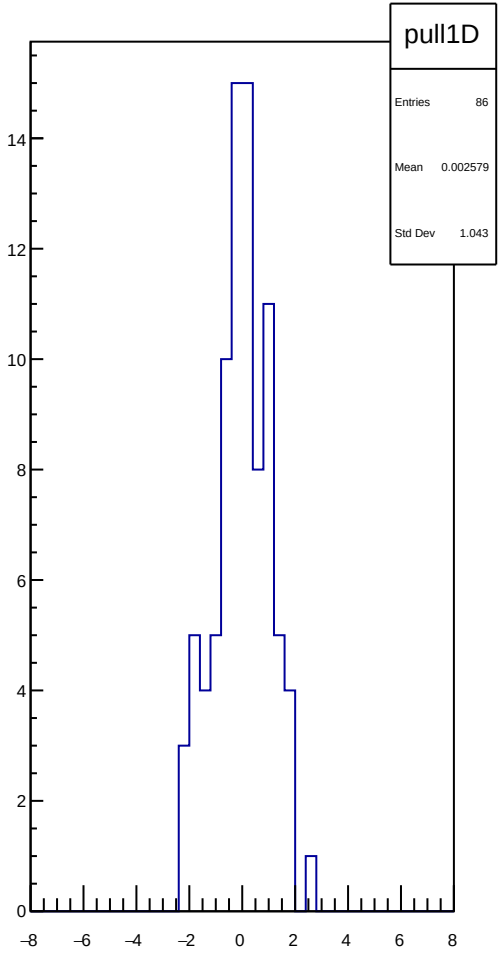

asym_at1_dd_correction_rms vs run
χ^2 / ndf 1.925e+04 / 85
p0 944.9 ± 0.7333
1800
1600
1400
1200
1000
800

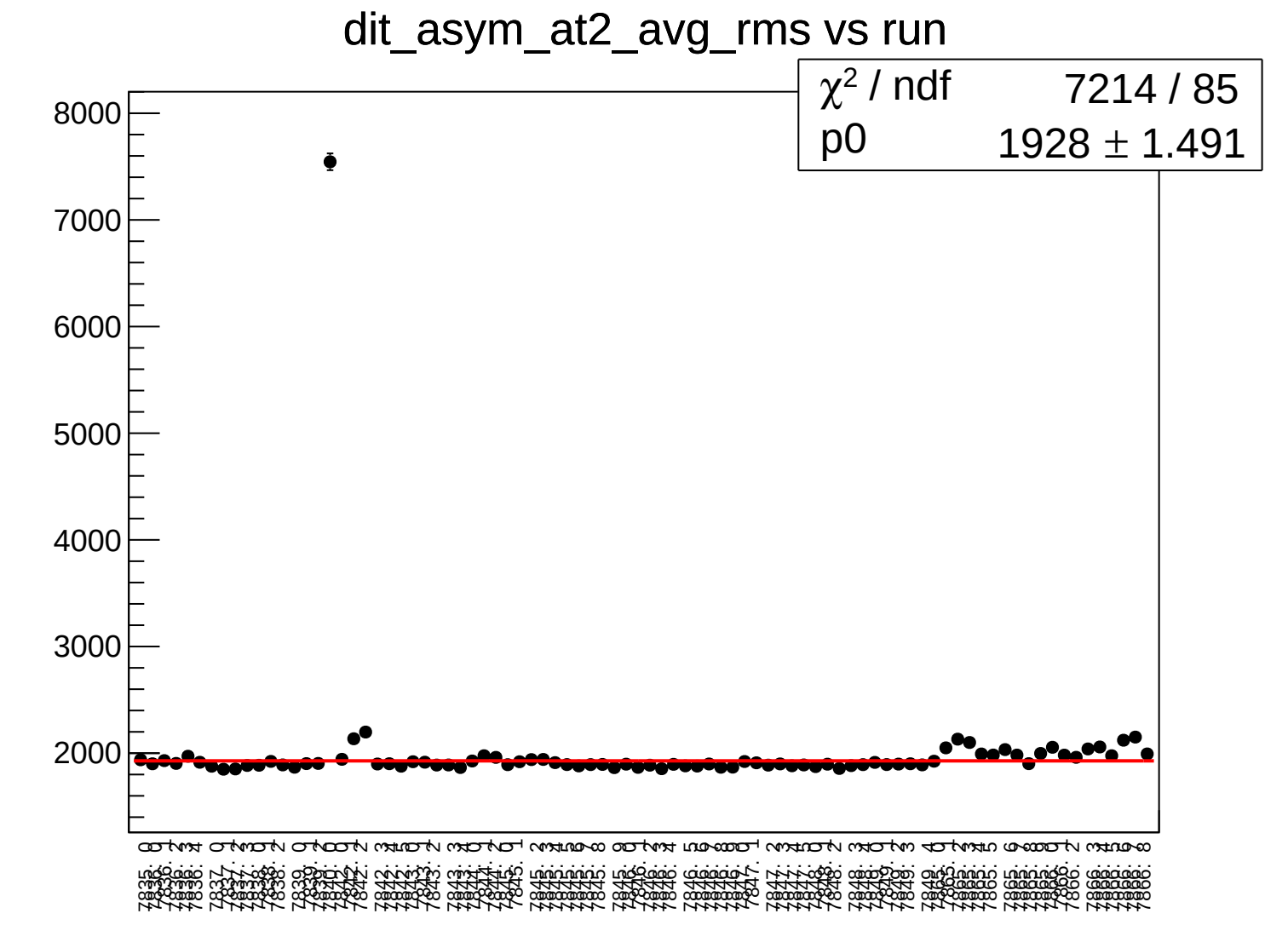

asym_at1_dd_mean vs run
×10^3
χ² / ndf 97.16 / 85
p0 −3214 ± 2261
pull
Entries 86
Mean 2654
Std Dev 2604

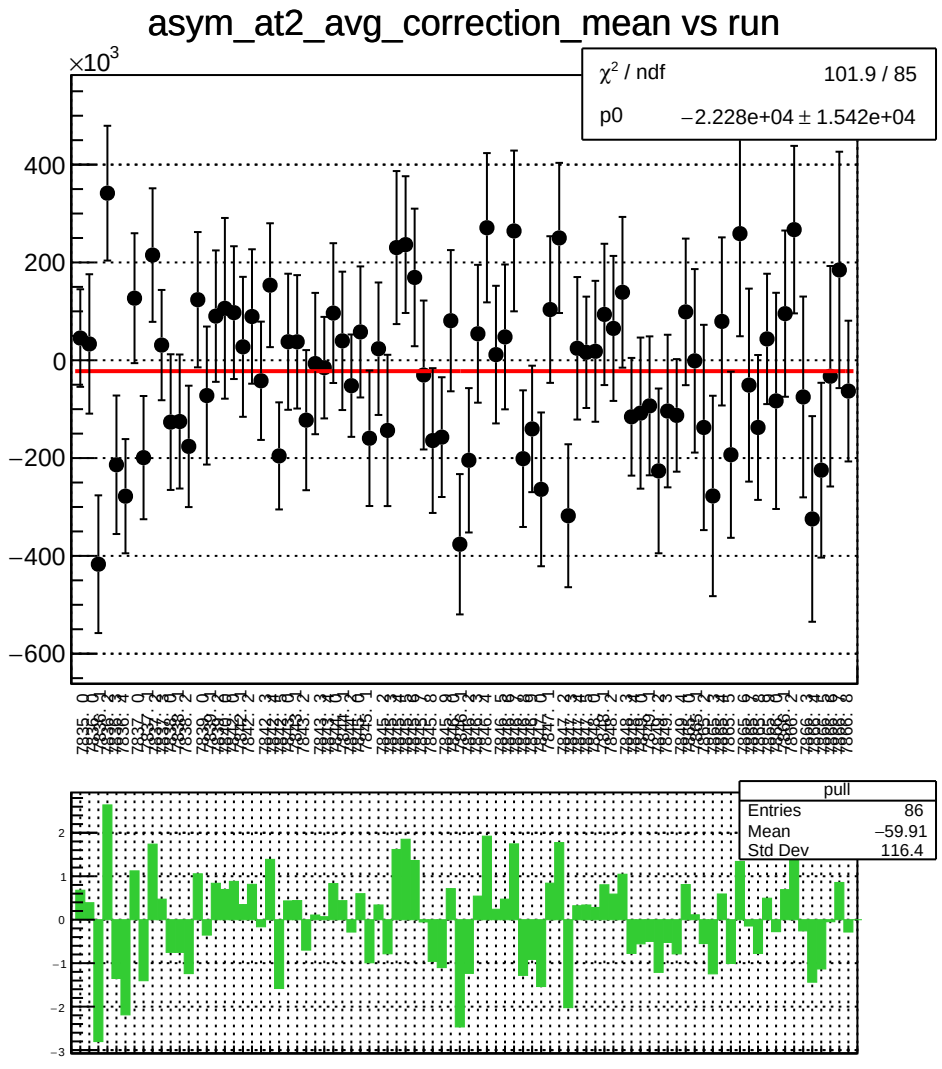

pull1D
Entries 86
Mean −0.001717
Std Dev 1.063

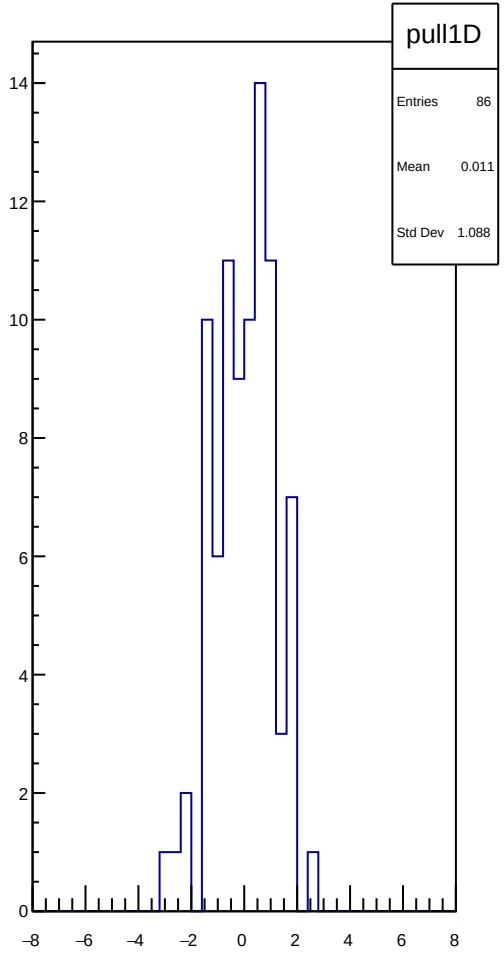

asym_at1_dd_rms vs run
χ^2 / ndf 1.159e+04 / 85
p0 2065 ± 1.599
4500
4000
3500
3000
2500
2000

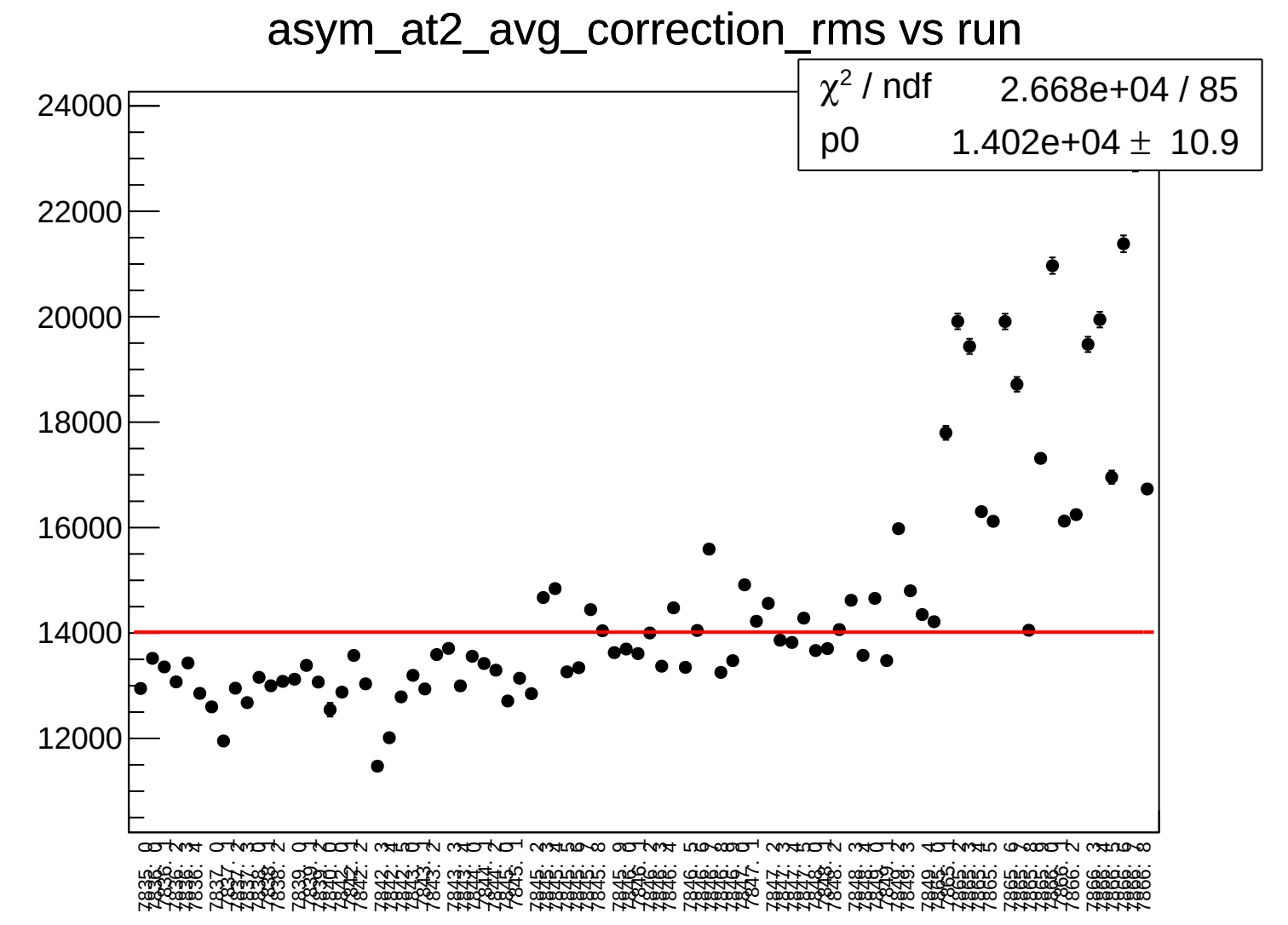

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 93.54 / 85
p0 3566 ± 2108
pull
Entries 86
Mean 706.1
Std Dev 646.4

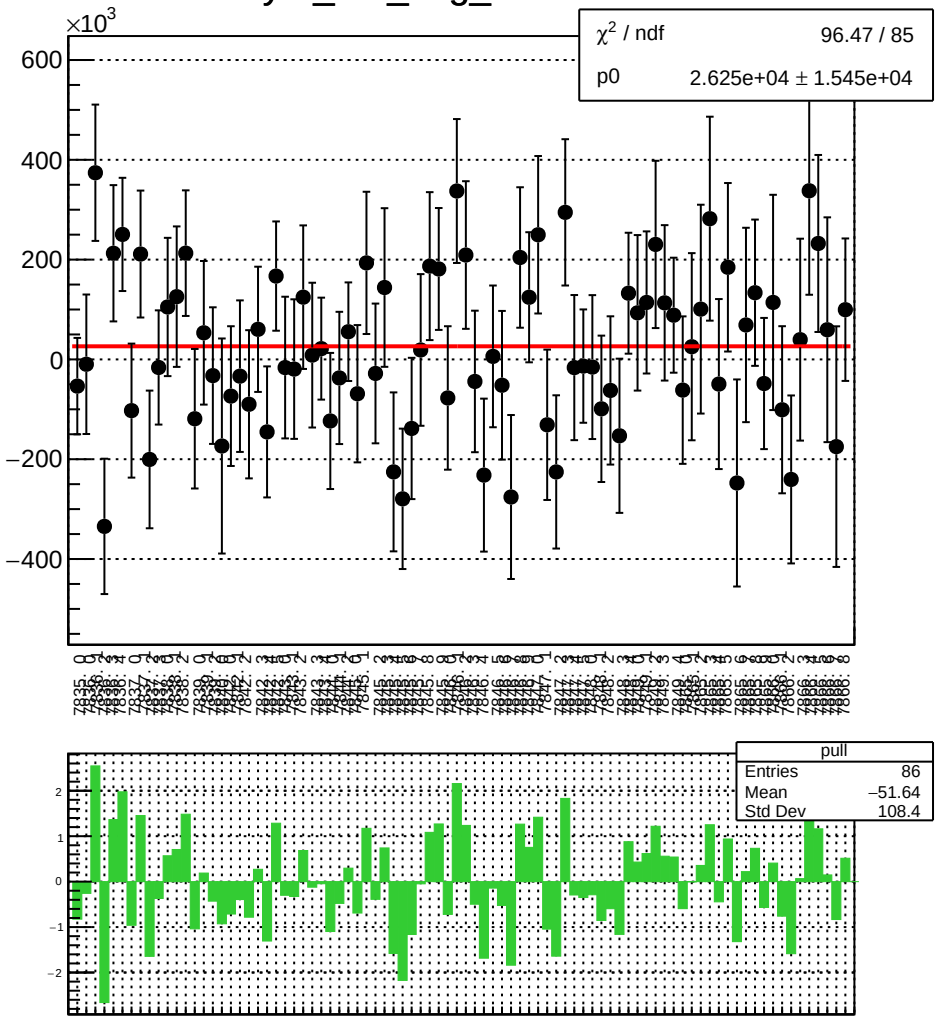

pull1D
Entries 86
Mean 0.002579
Std Dev 1.043

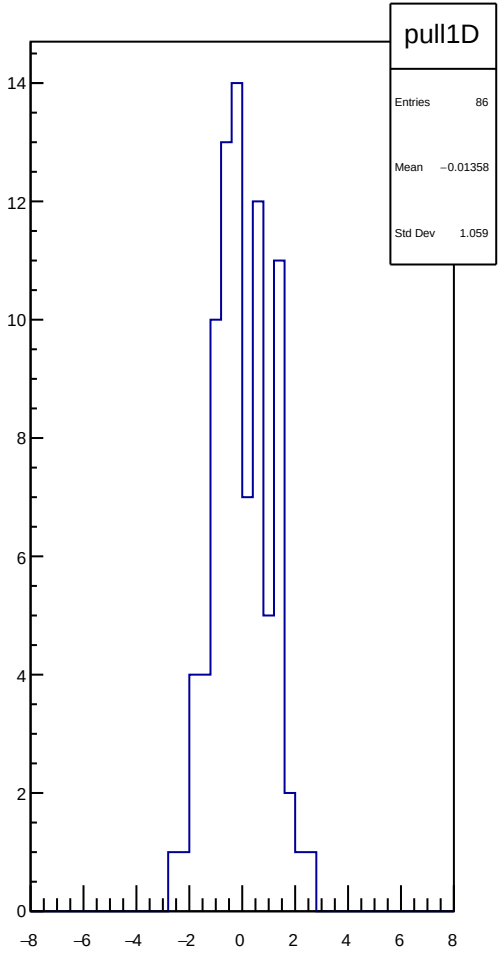

dit_asym_at2_avg_rms vs run
χ² / ndf 7214 / 85
p0 1928 ± 1.491
8000
7000
6000
5000
4000
3000
2000

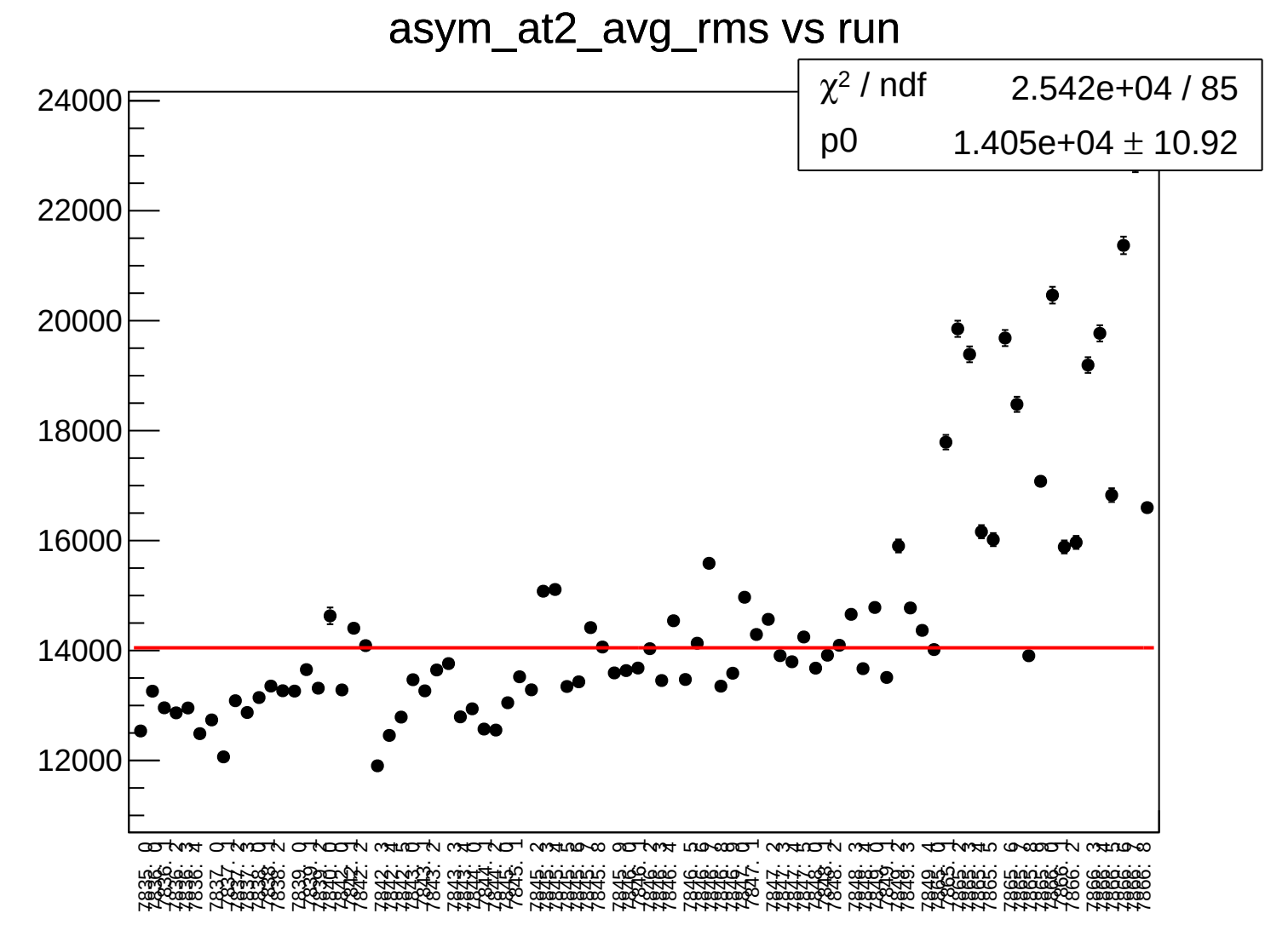

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 101.9 / 85
p0 −2.228e+04 ± 1.542e+04
400
200
0
−200
−400
−600
pull
Entries 86
Mean −59.91
Std Dev 116.4
2
1
0
−1
−2
−3

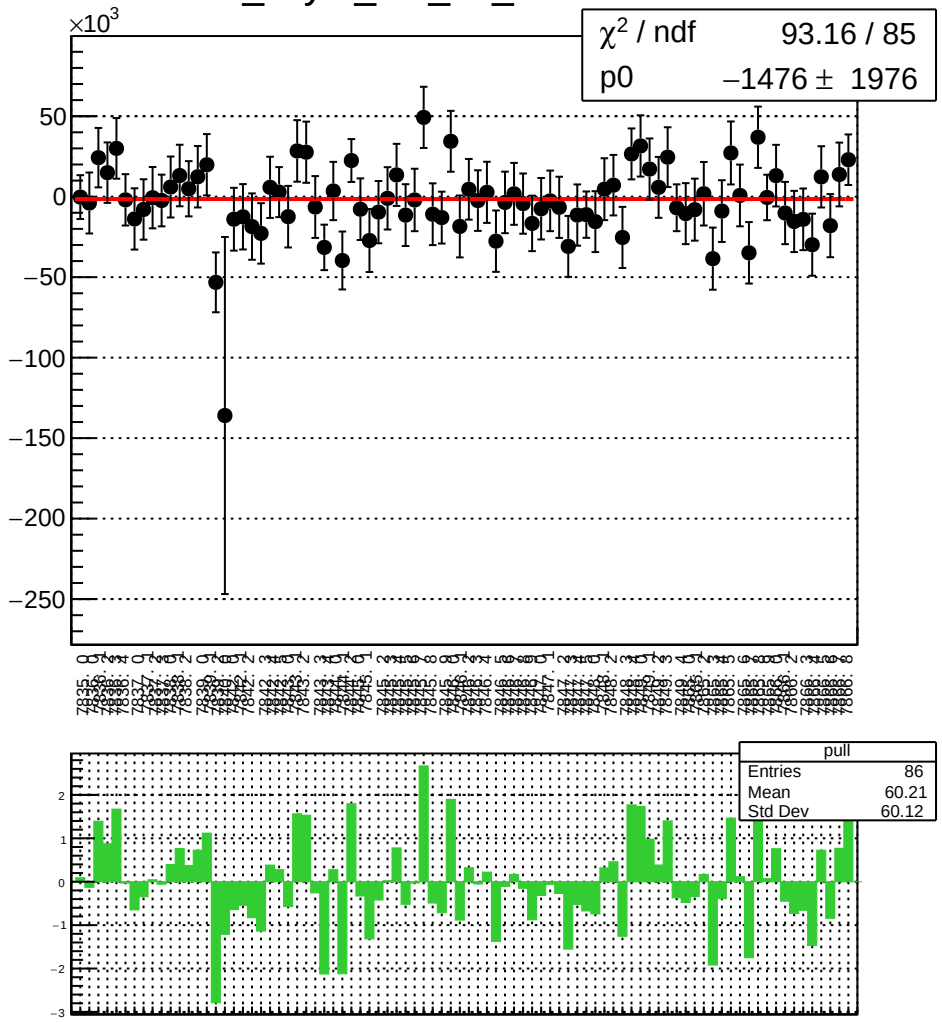

pull1D
Entries 86
Mean 0.011
Std Dev 1.088
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

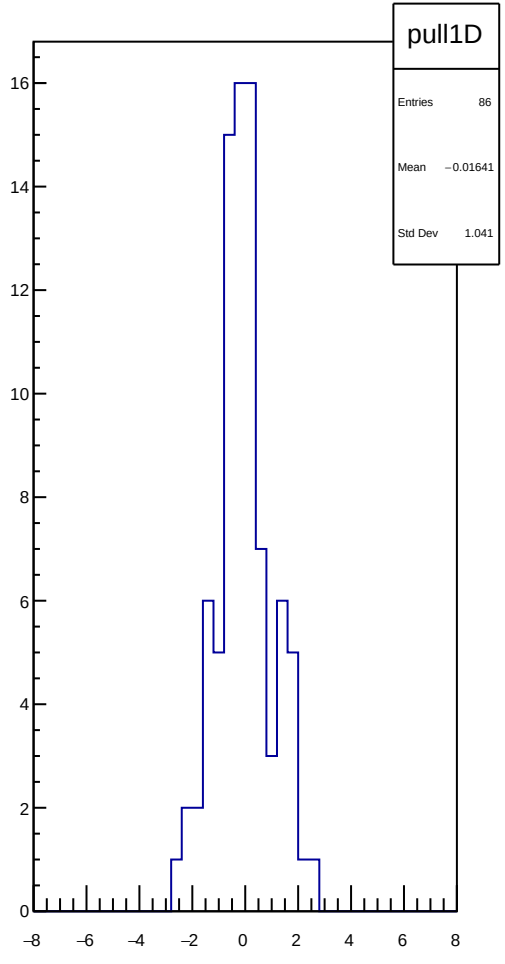

asym_at2_avg_correction_rms vs run
χ² / ndf 2.668e+04 / 85
p0 1.402e+04 ± 10.9
24000
22000
20000
18000
16000
14000
12000

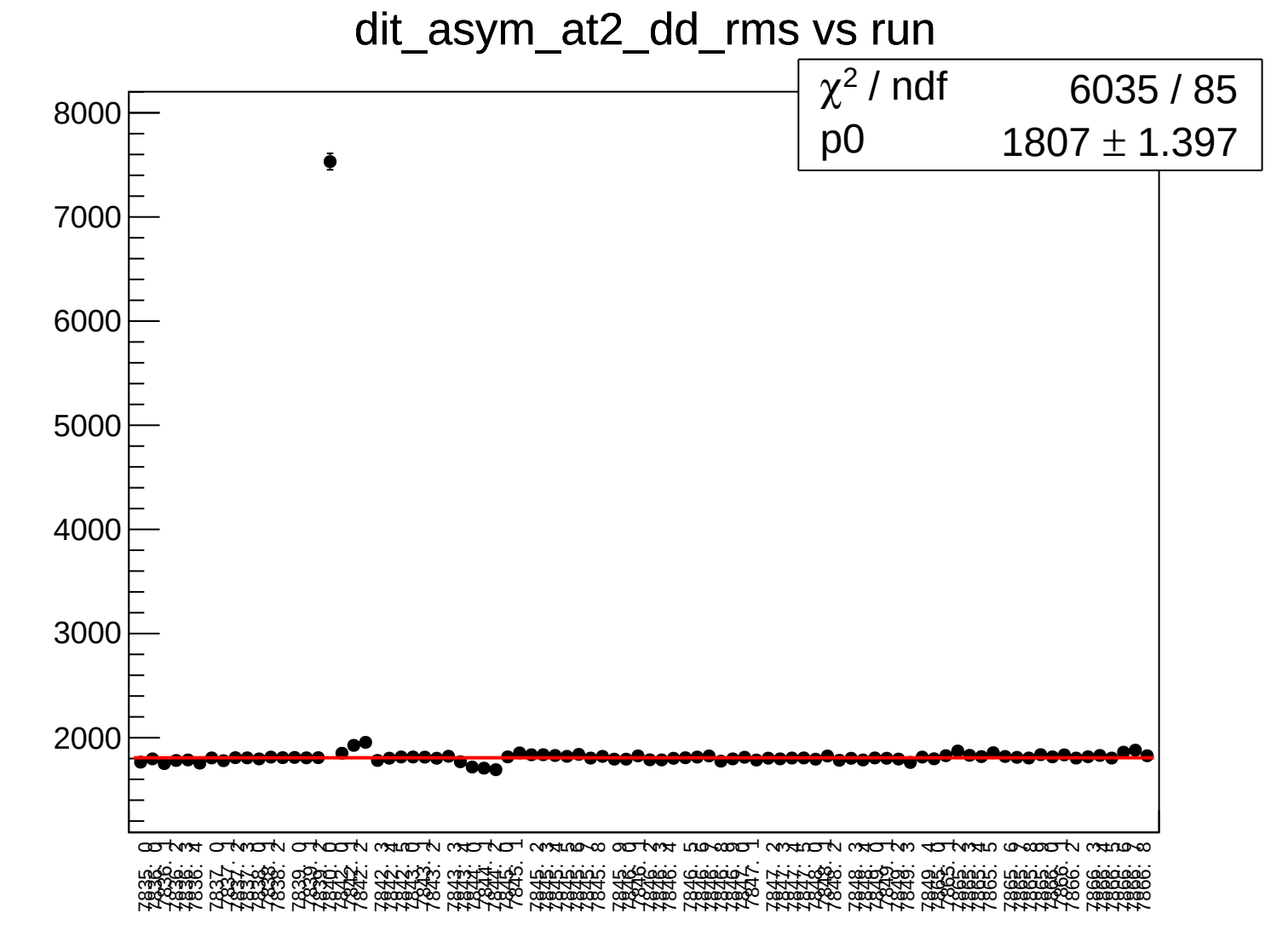

asym_at2_avg_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 96.47 / 85
p0 2.625e+04 ± 1.545e+04
pull
Entries 86
Mean −51.64
Std Dev 108.4
2
1
0
−1
−2

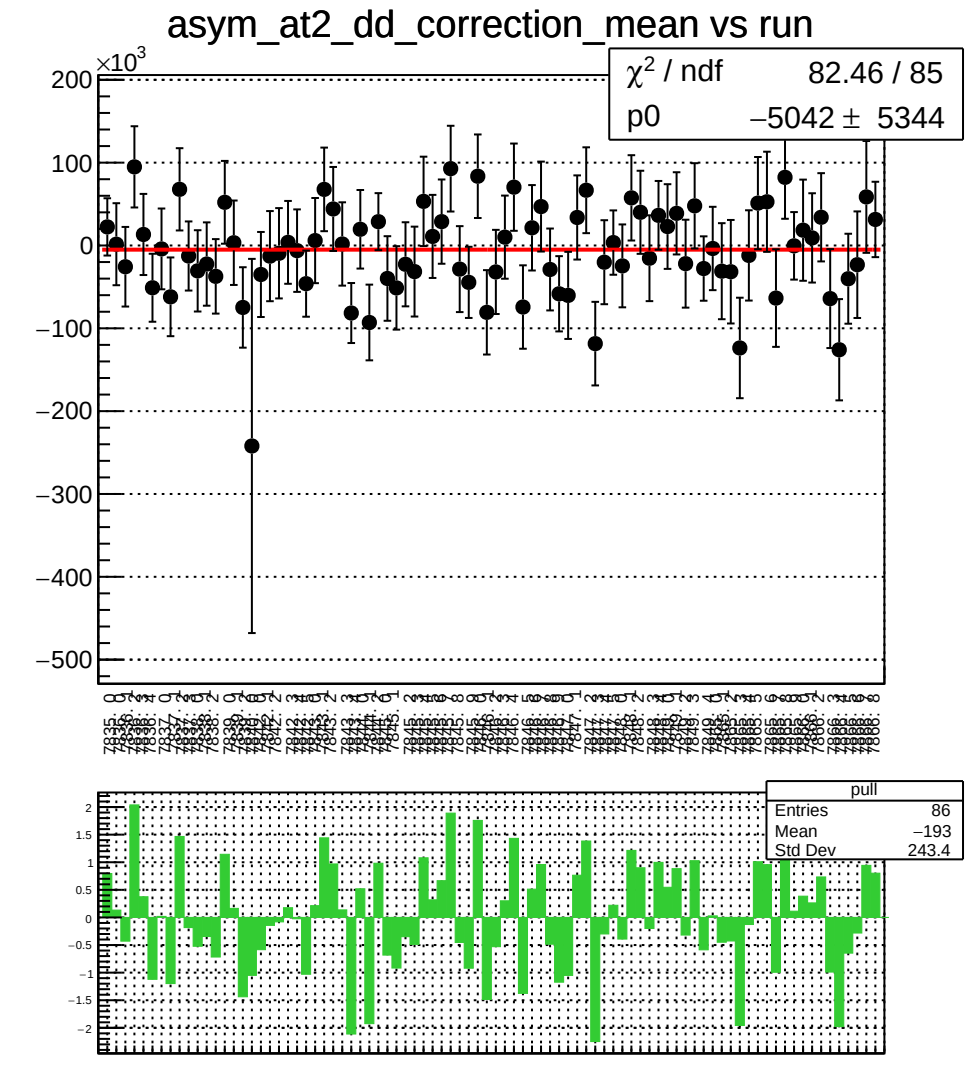

pull1D
Entries 86
Mean −0.01358
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

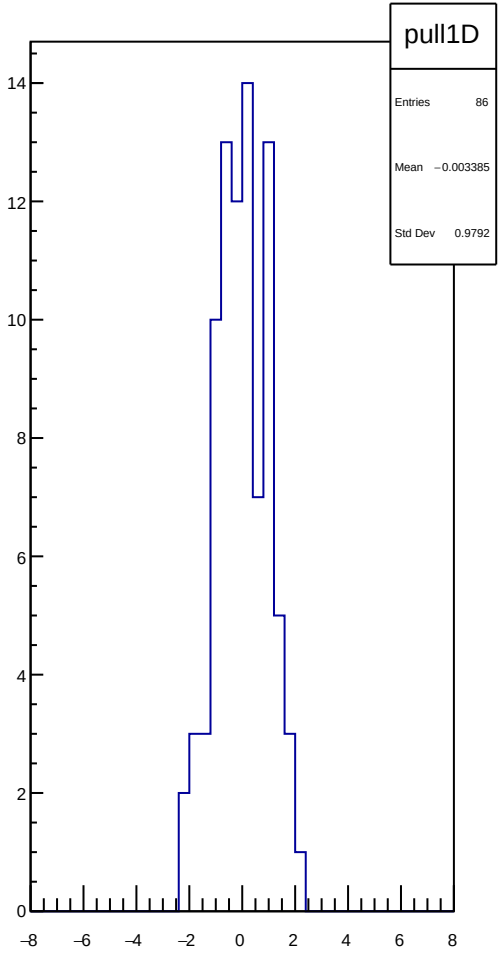

asym_at2_avg_rms vs run
χ² / ndf 2.542e+04 / 85
p0 1.405e+04 ± 10.92
24000
22000
20000
18000
16000
14000
12000

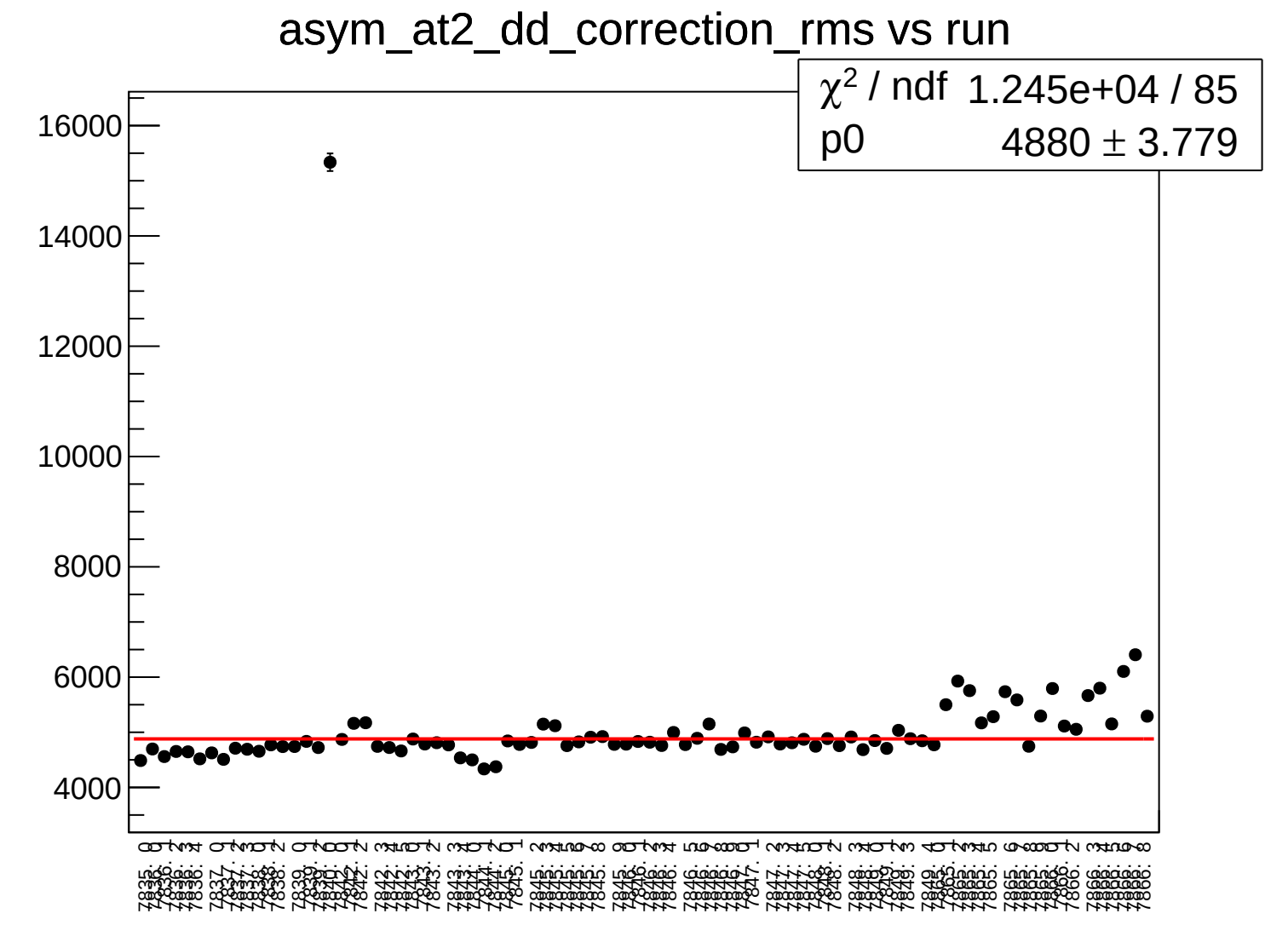

dit_asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 93.16 / 85
p0 −1476 ± 1976
50
0
−50
−100
−150
−200
−250
pull
Entries 86
Mean 60.21
Std Dev 60.12
2
1
0
−1
−2
−3

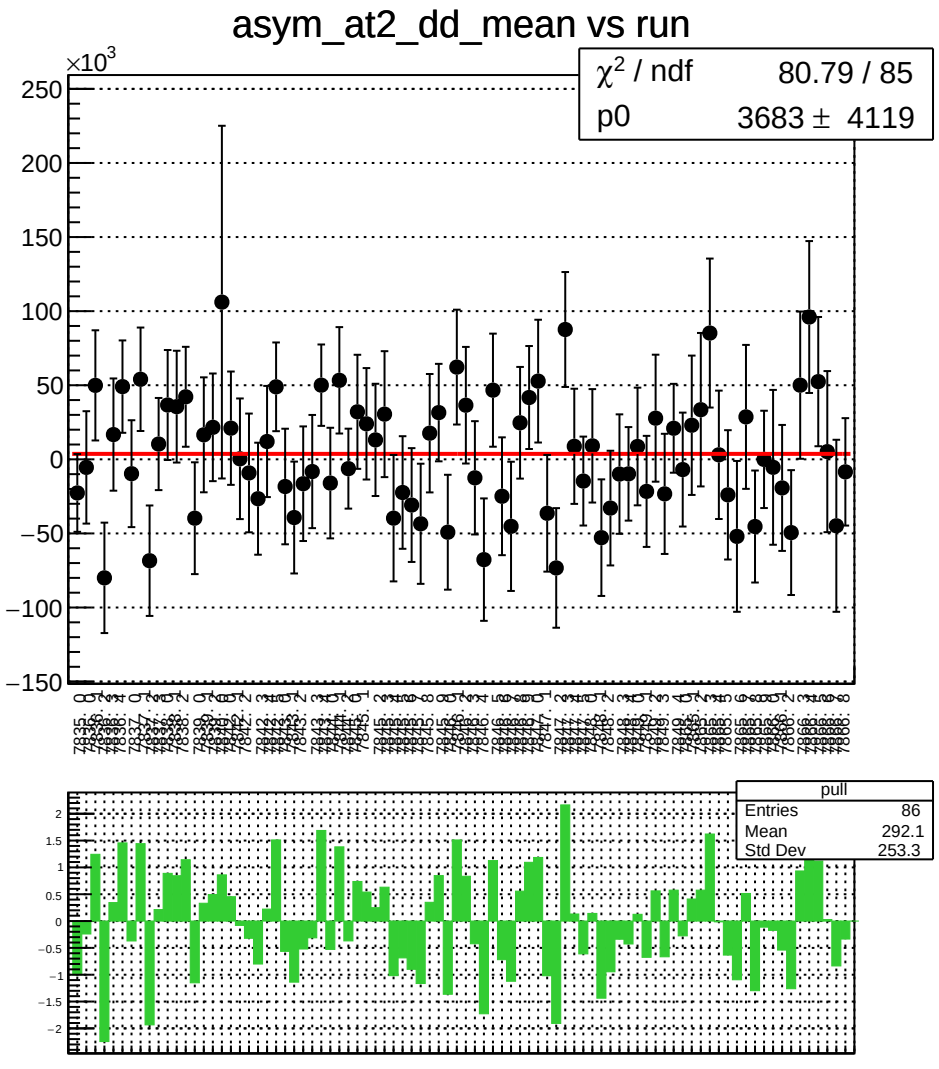

pull1D
Entries 86
Mean −0.01641
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

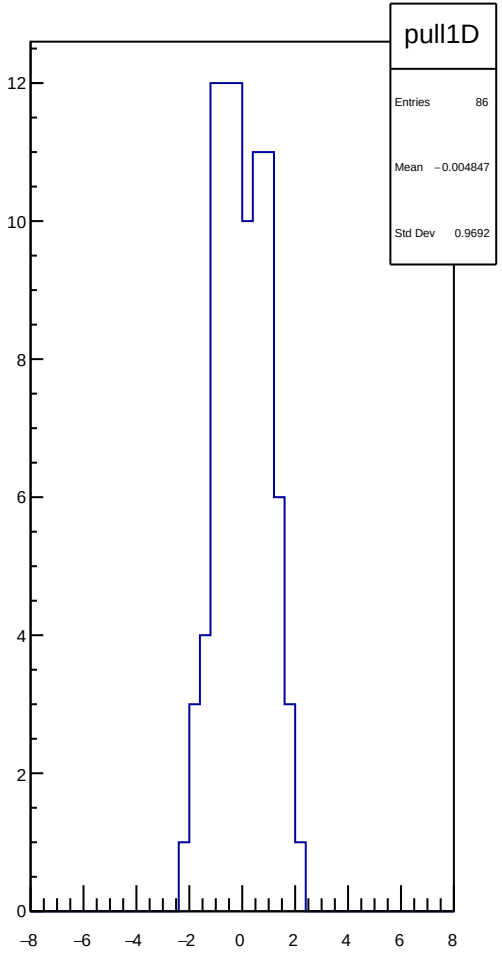

dit_asym_at2_dd_rms vs run
χ^2 / ndf 6035 / 85
p0 1807 ± 1.397
8000
7000
6000
5000
4000
3000
2000

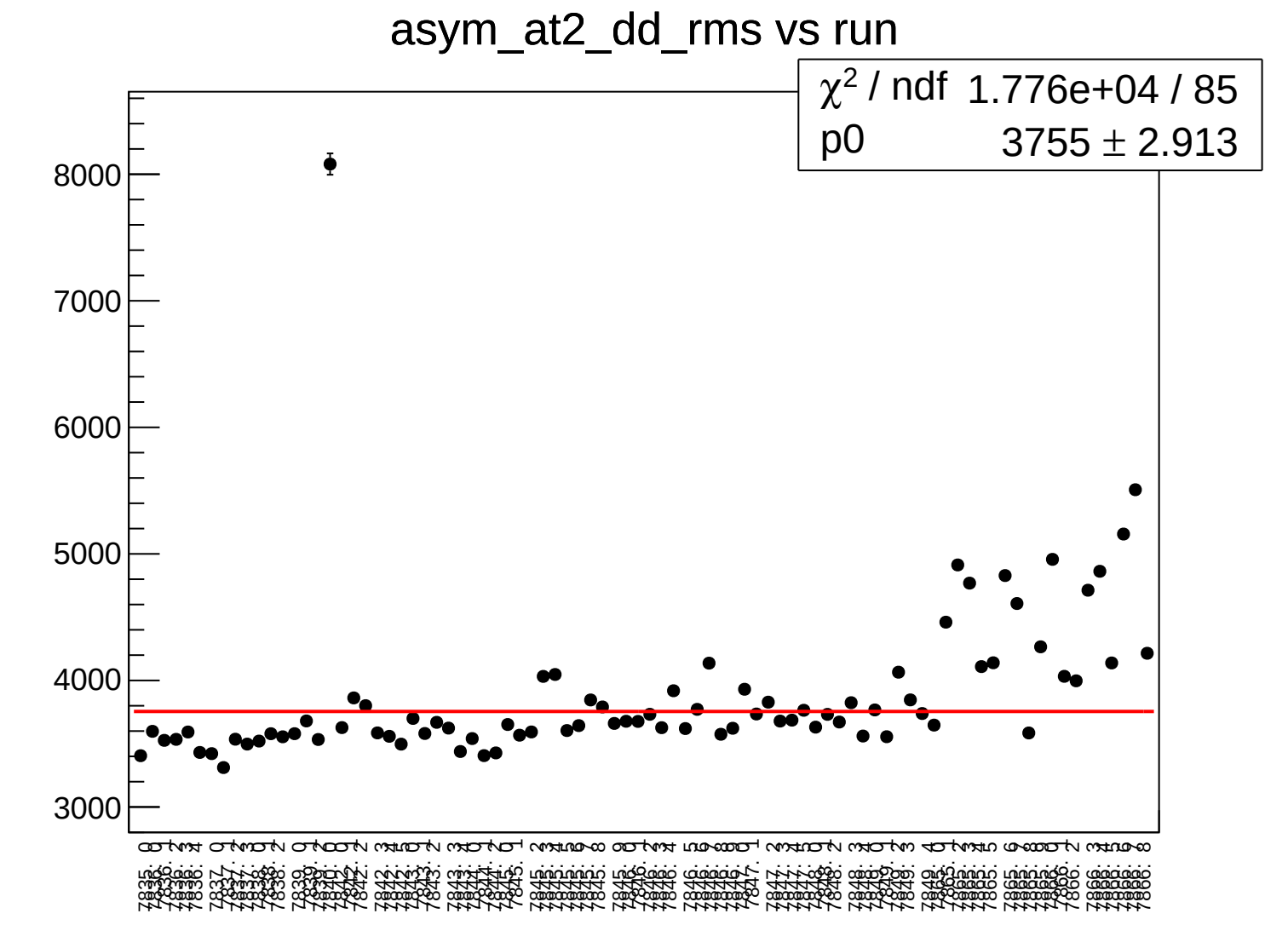

asym_at2_dd_correction_mean vs run
×10^3
χ^2 / ndf 82.46 / 85
p0 −5042 ± 5344
pull
Entries 86
Mean −193
Std Dev 243.4

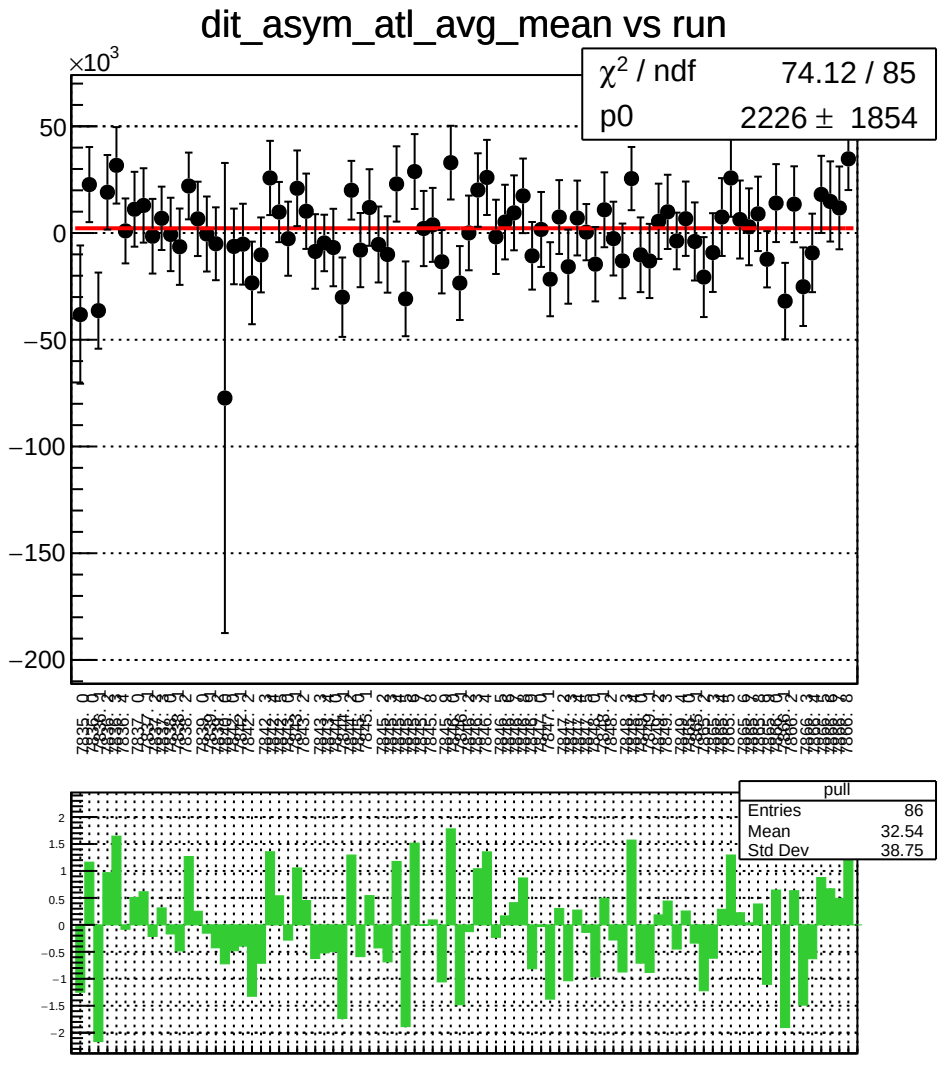

pull1D
Entries 86
Mean −0.003385
Std Dev 0.9792

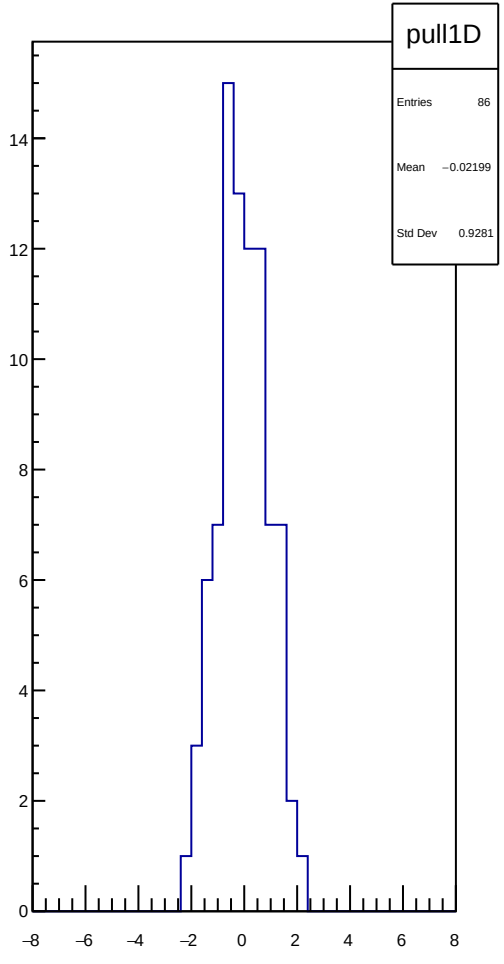

asym_at2_dd_correction_rms vs run
χ² / ndf 1.245e+04 / 85
p0 4880 ± 3.779
16000
14000
12000
10000
8000
6000
4000

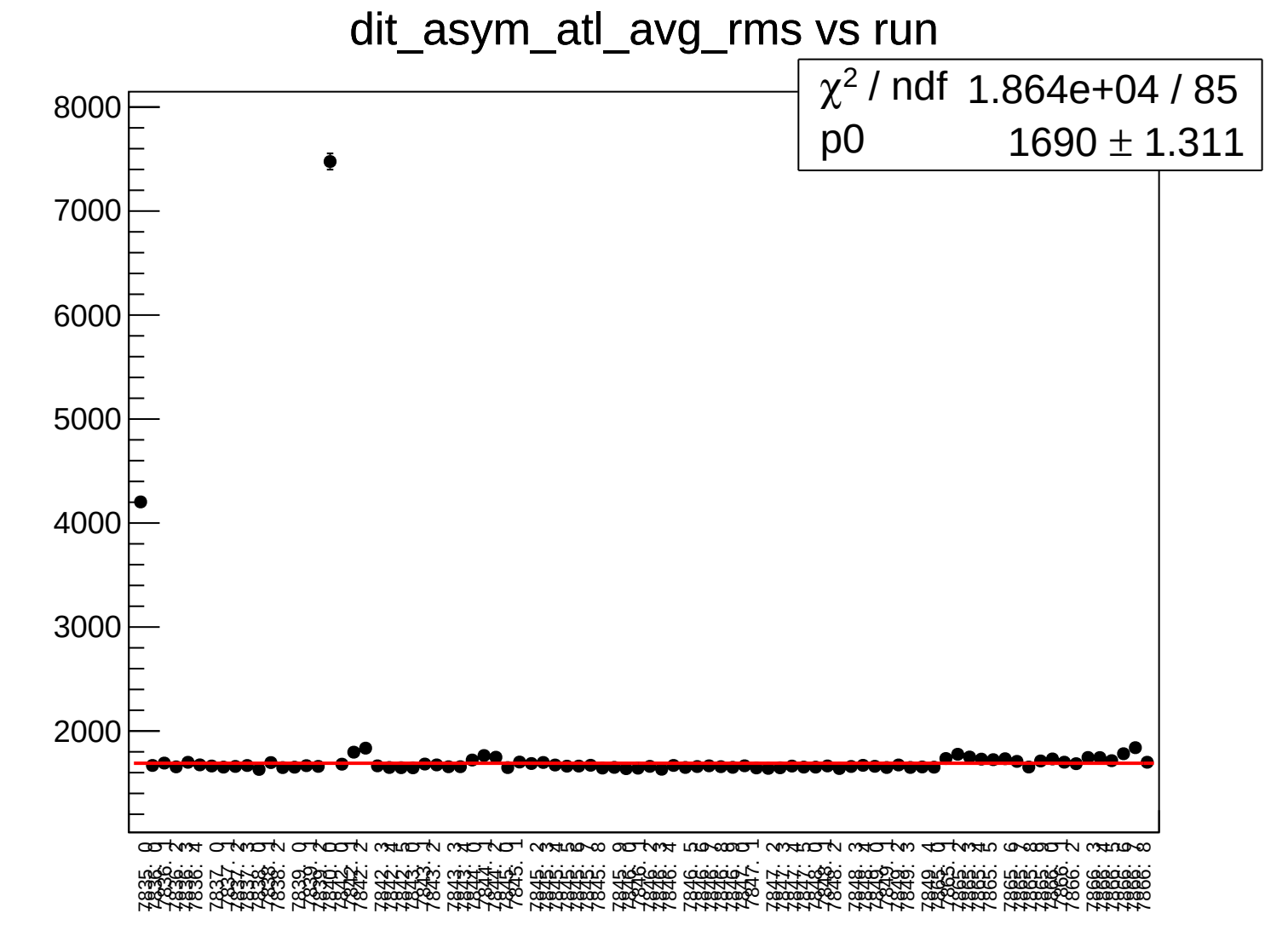

asym_at2_dd_mean vs run
×10^3
χ² / ndf 80.79 / 85
p0 3683 ± 4119
pull
Entries 86
Mean 292.1
Std Dev 253.3

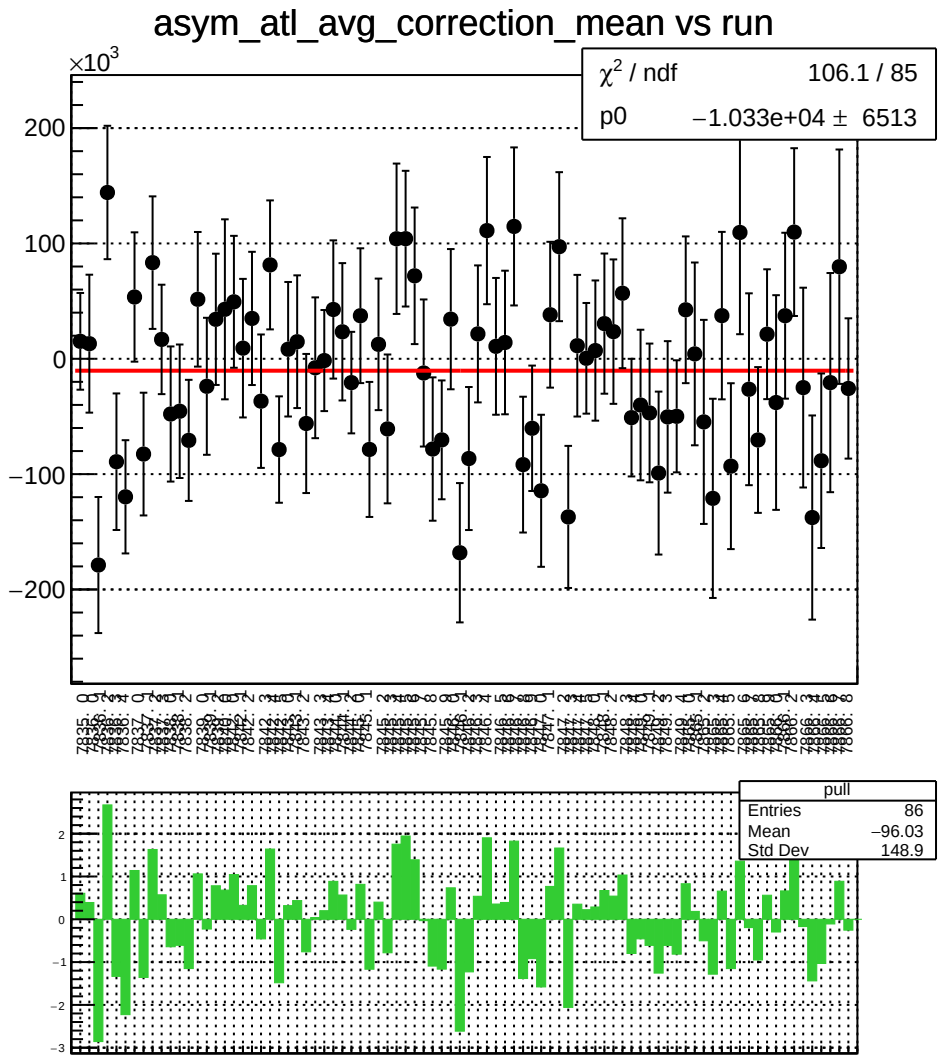

pull1D
Entries 86
Mean −0.004847
Std Dev 0.9692

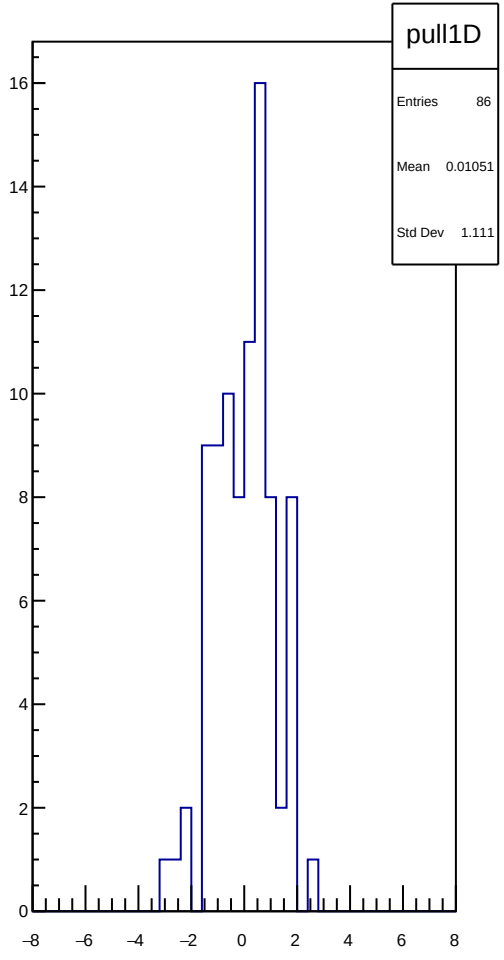

asym_at2_dd_rms vs run
χ² / ndf 1.776e+04 / 85
p0 3755 ± 2.913
8000
7000
6000
5000
4000
3000

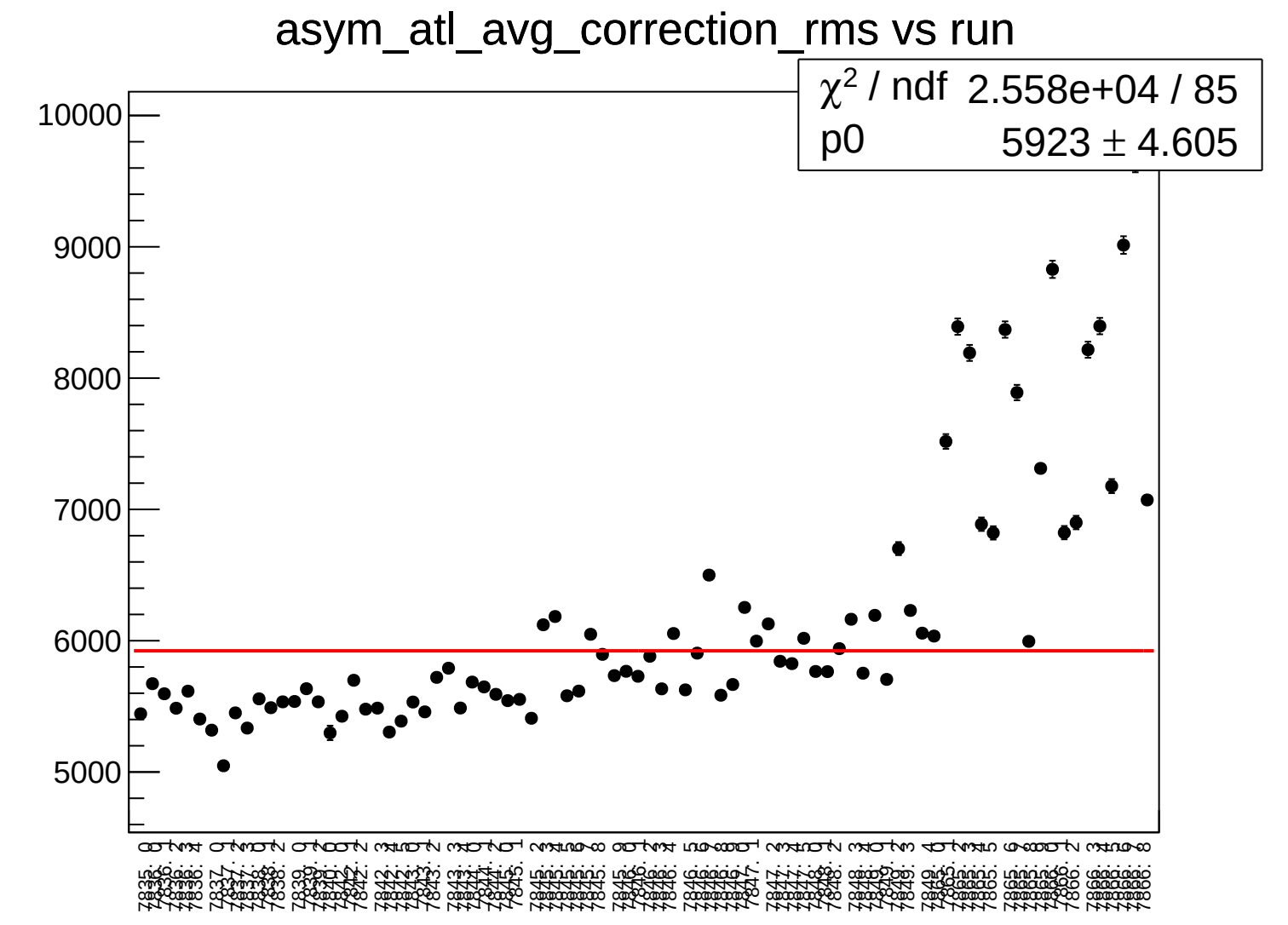

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 74.12 / 85
p0 2226 ± 1854
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 32.54
Std Dev 38.75
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

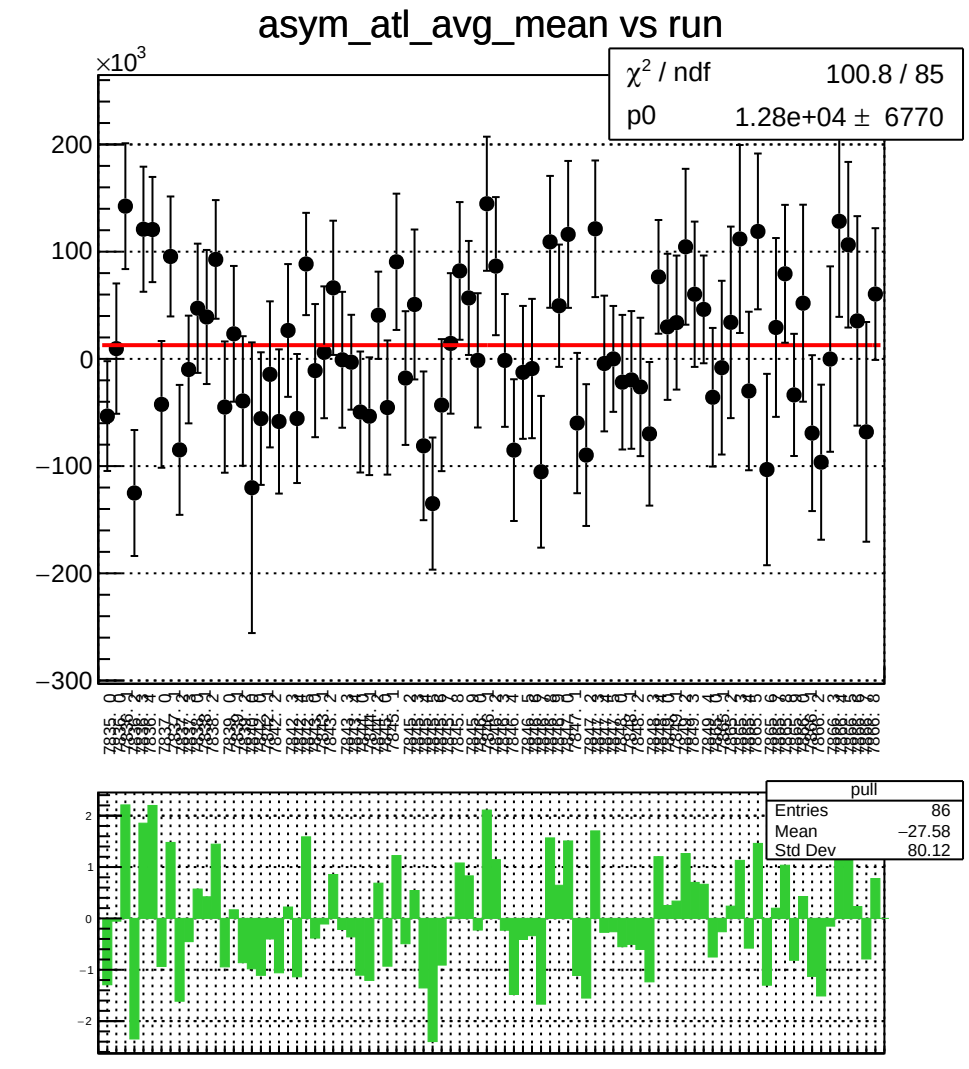

pull1D
Entries 86
Mean −0.02199
Std Dev 0.9281
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

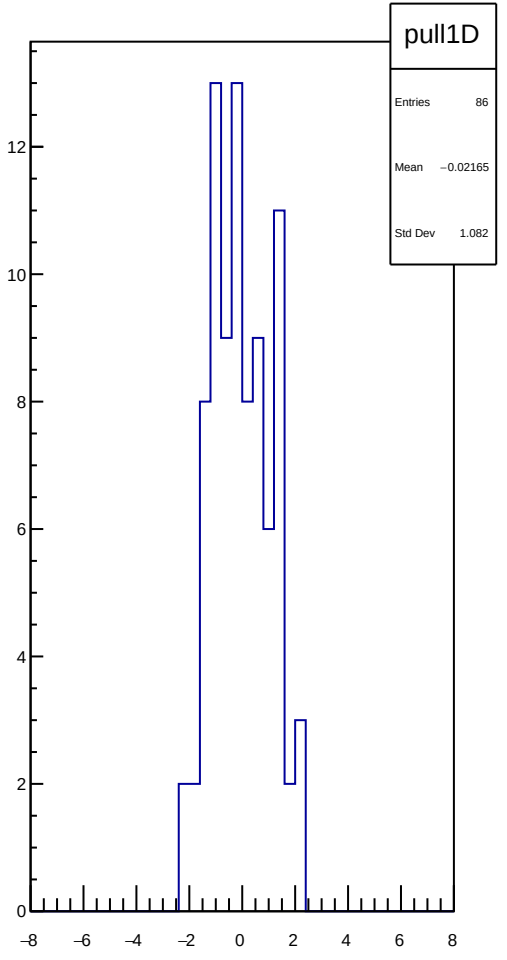

dit_asym_atl_avg_rms vs run
χ² / ndf 1.864e+04 / 85
p0 1690 ± 1.311
8000
7000
6000
5000
4000
3000
2000

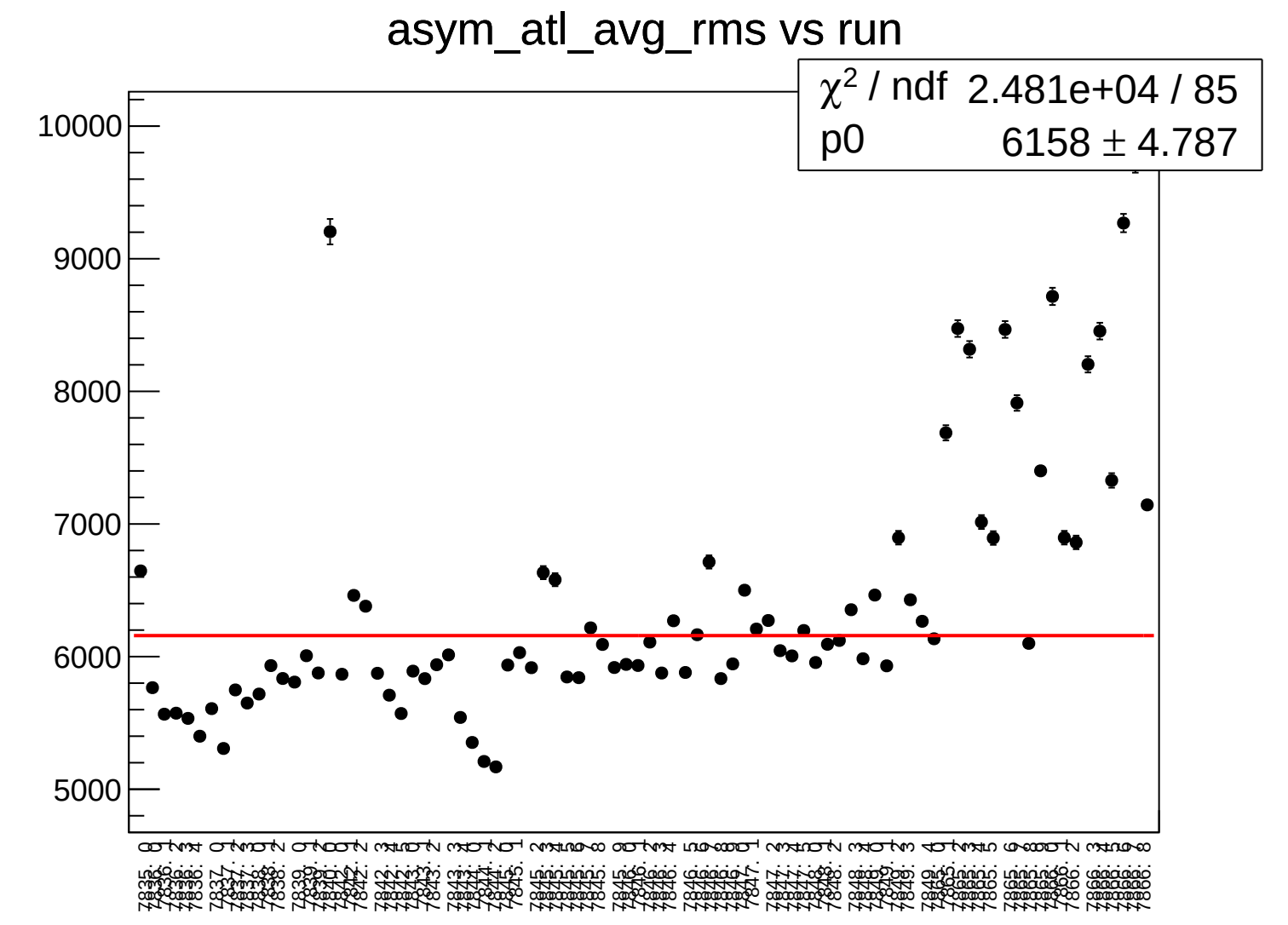

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 106.1 / 85
p0 −1.033e+04 ± 6513
200
100
0
−100
−200
pull
Entries 86
Mean −96.03
Std Dev 148.9
2
1
0
−1
−2
−3

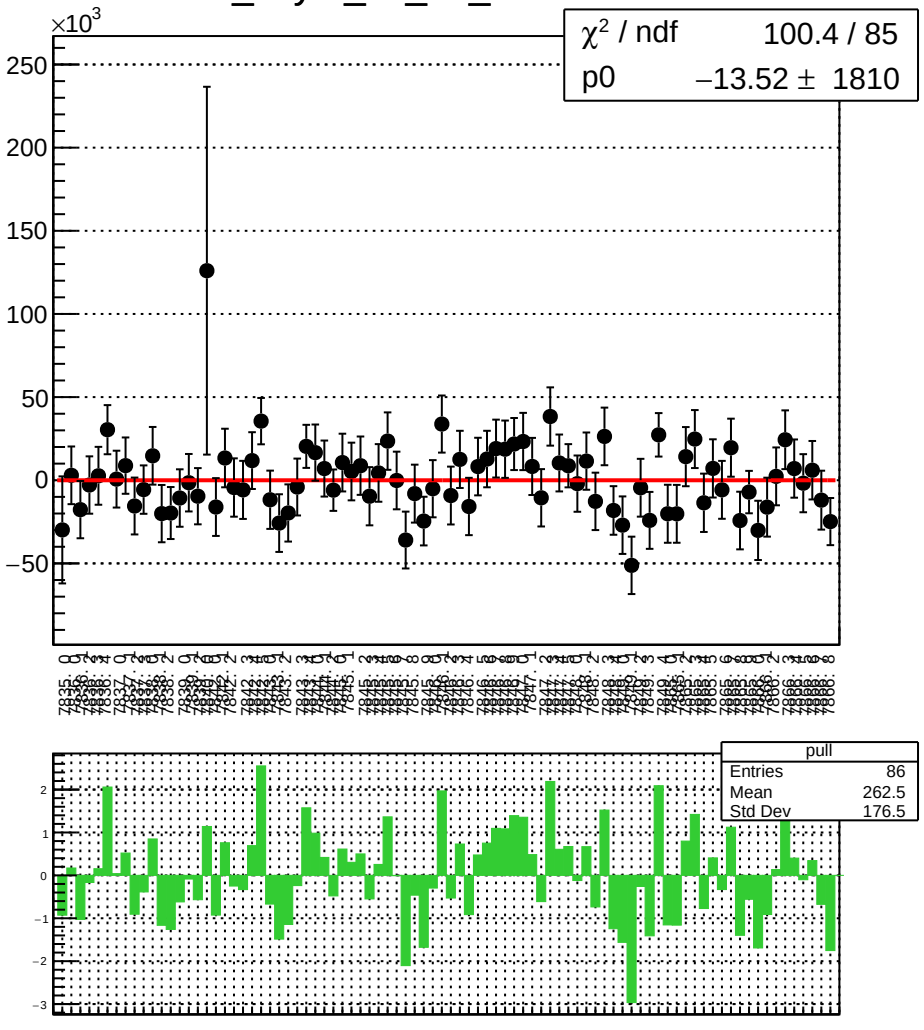

pull1D
Entries 86
Mean 0.01051
Std Dev 1.111
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

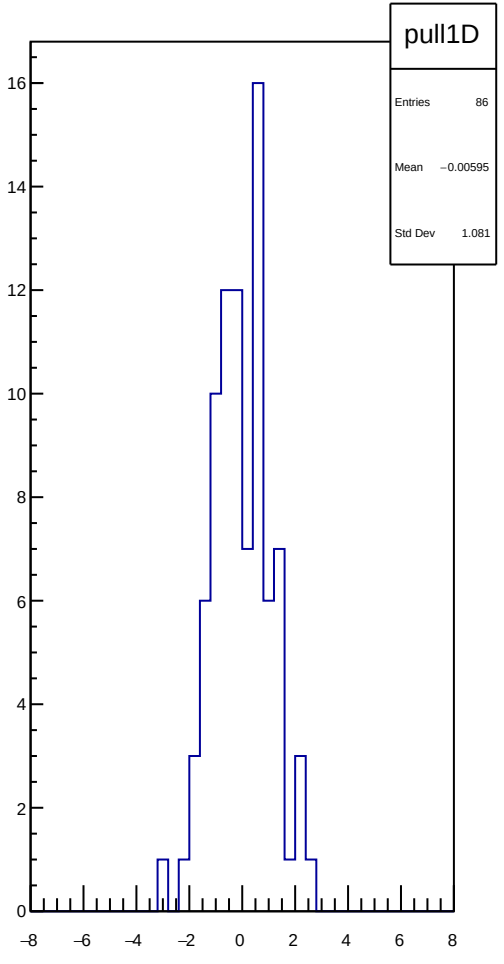

asym_atl_avg_correction_rms vs run
χ^2 / ndf 2.558e+04 / 85
p0 5923 ± 4.605
10000
9000
8000
7000
6000
5000

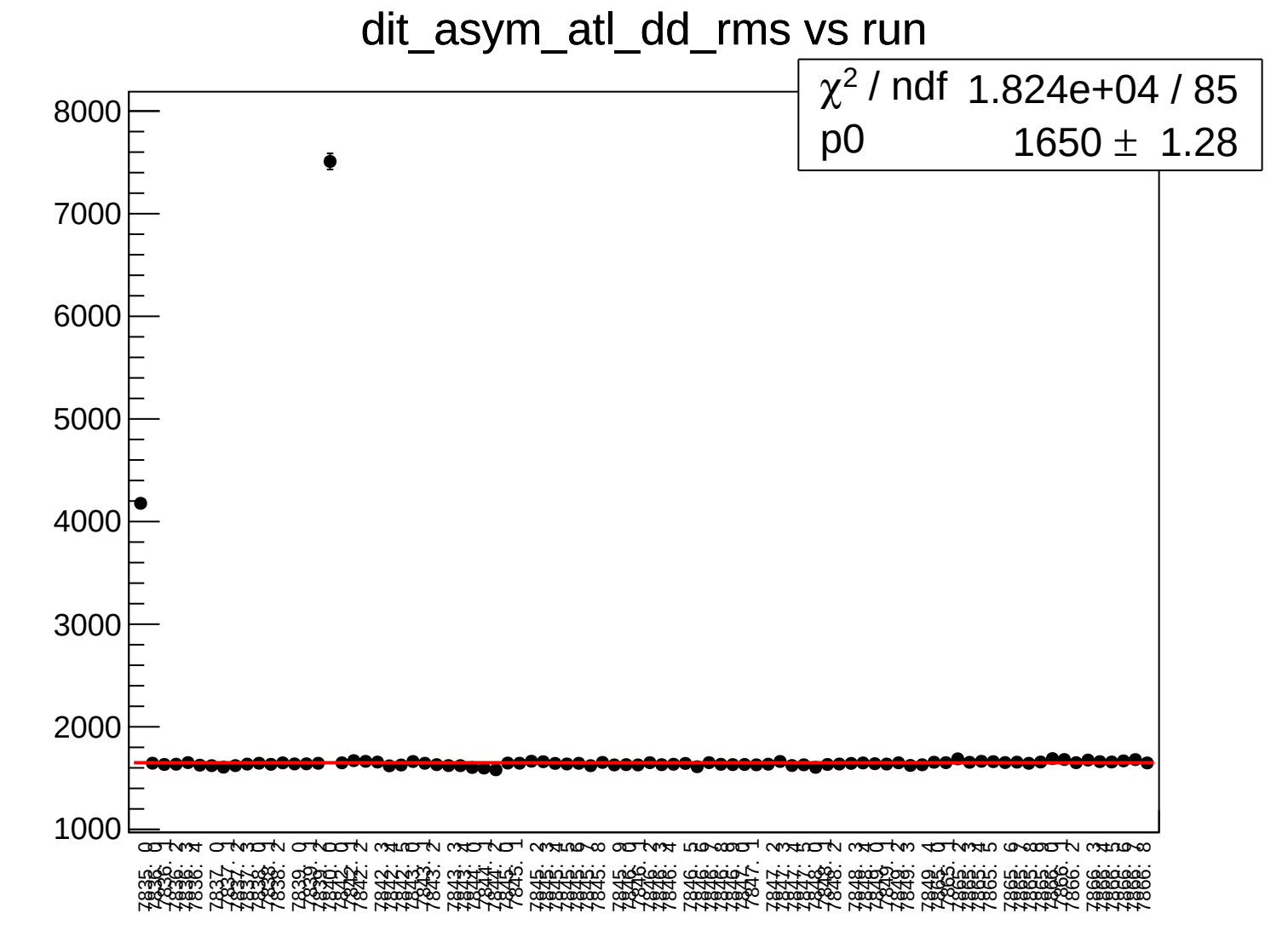

asym_atl_avg_mean vs run
×10^3
χ² / ndf 100.8 / 85
p0 1.28e+04 ± 6770
200
100
0
−100
−200
−300
pull
Entries 86
Mean −27.58
Std Dev 80.12
2
1
0
−1
−2

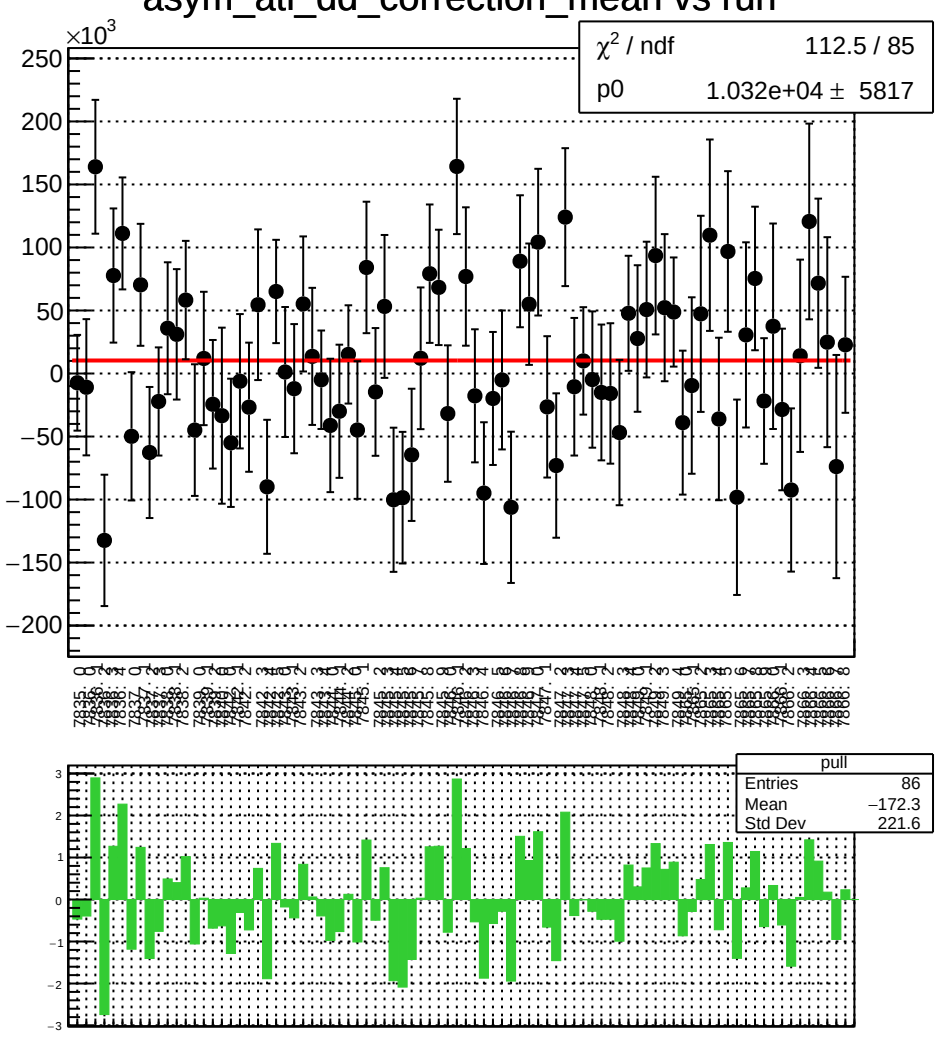

pull1D
Entries 86
Mean −0.02165
Std Dev 1.082
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

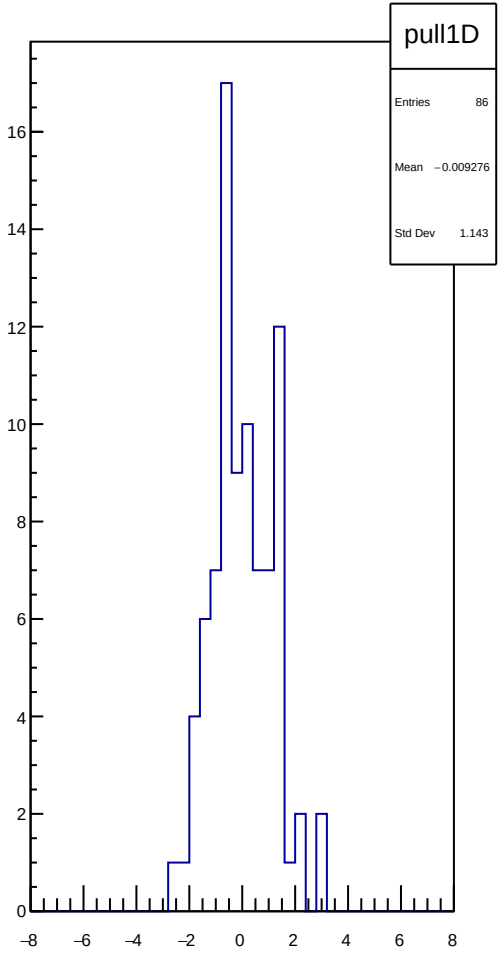

asym_atl_avg_rms vs run
χ² / ndf 2.481e+04 / 85
p0 6158 ± 4.787
10000
9000
8000
7000
6000
5000

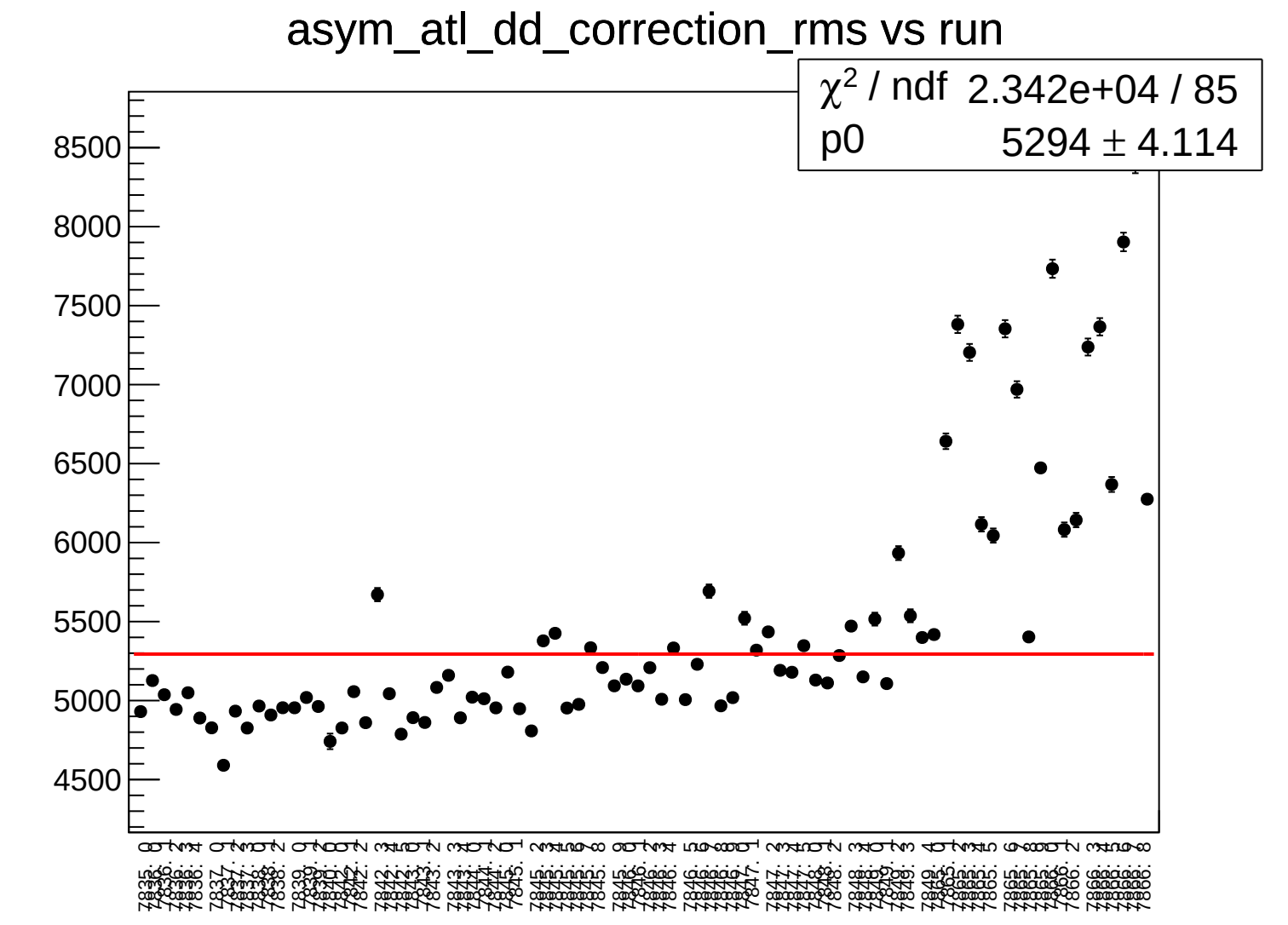

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 100.4 / 85
p0 −13.52 ± 1810
250
200
150
100
50
0
−50
pull
Entries 86
Mean 262.5
Std Dev 176.5
2
1
0
−1
−2
−3

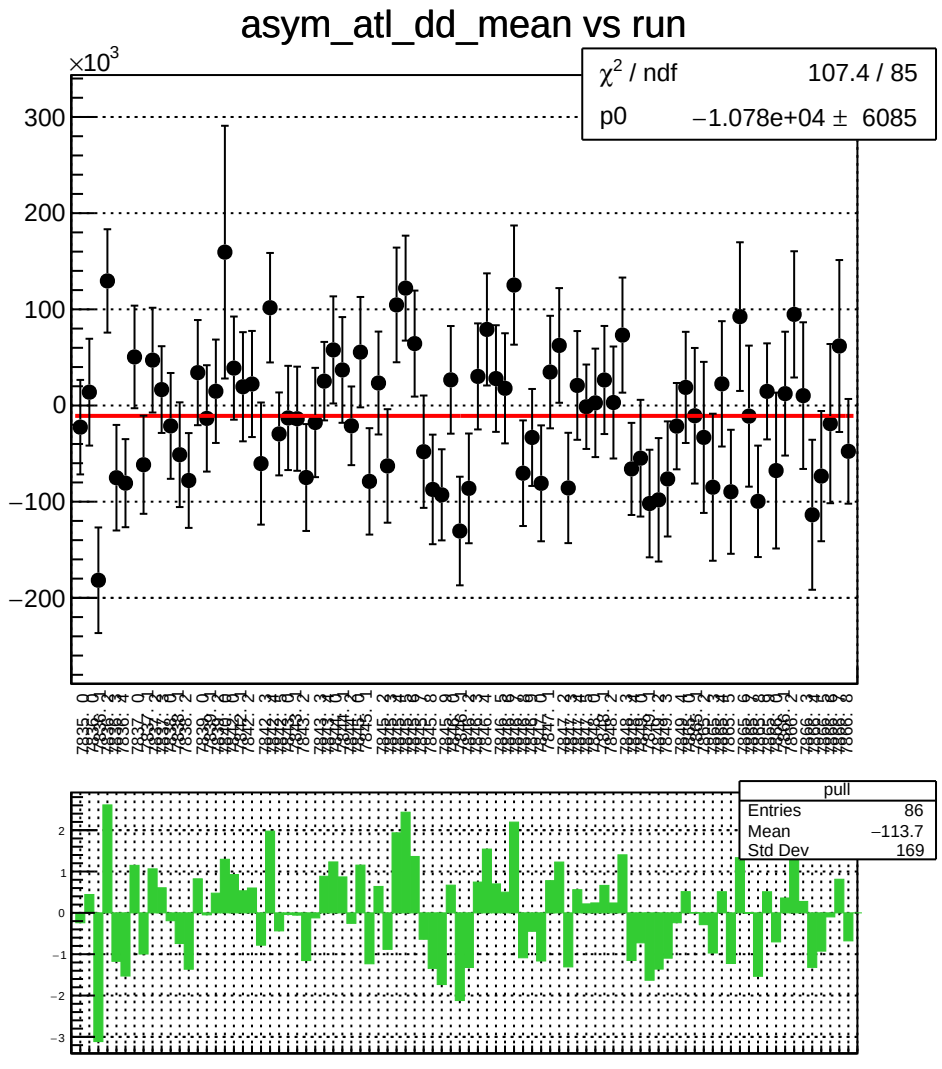

pull1D
Entries 86
Mean −0.00595
Std Dev 1.081
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

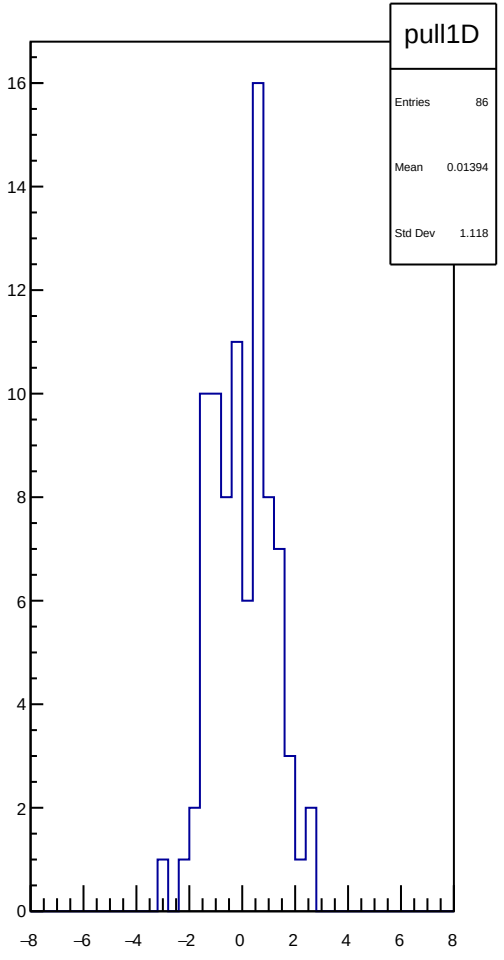

dit_asym_atl_dd_rms vs run
χ² / ndf 1.824e+04 / 85
p0 1650 ± 1.28
8000
7000
6000
5000
4000
3000
2000
1000

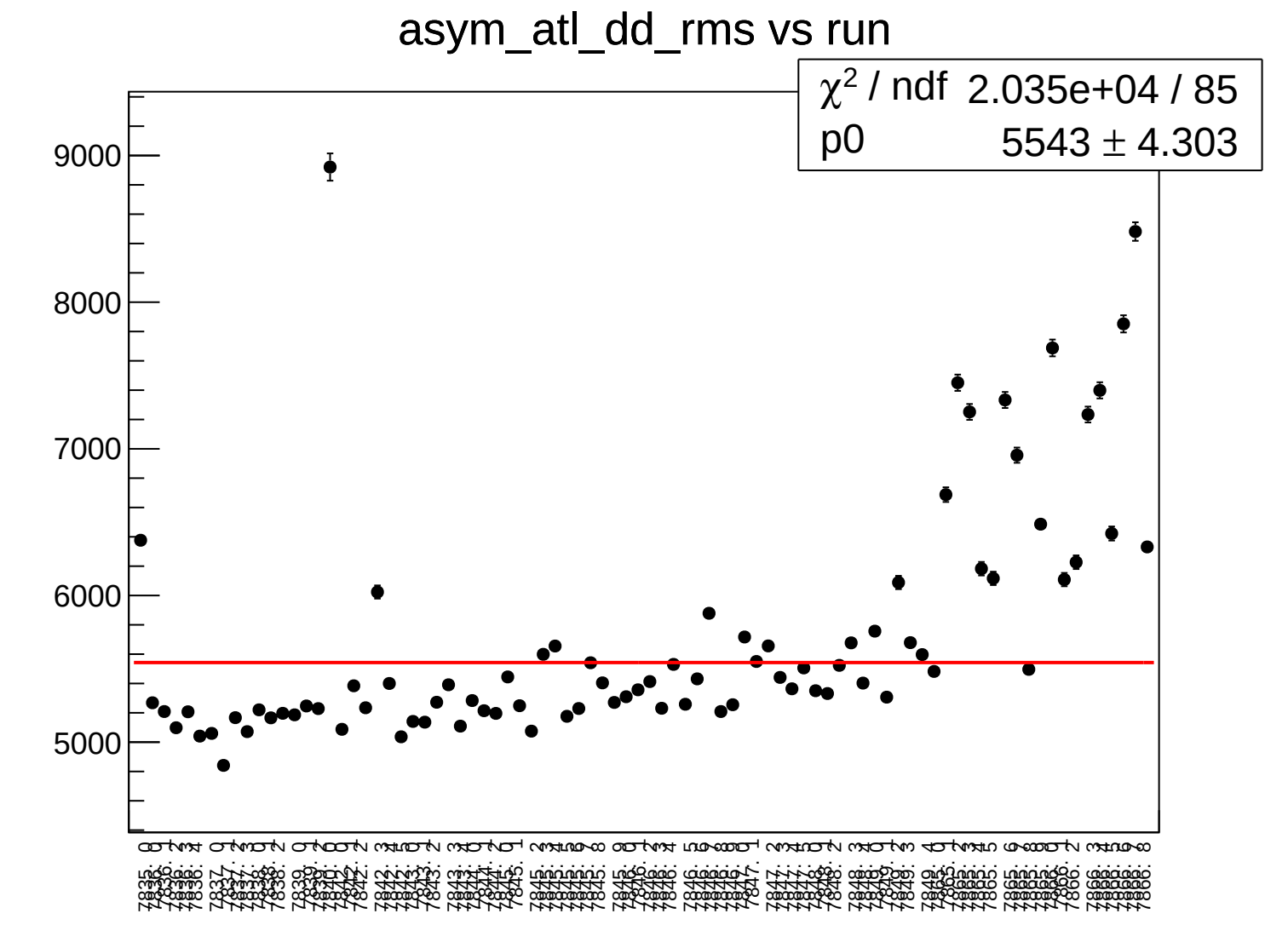

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 112.5 / 85
p0 1.032e+04 ± 5817
pull
Entries 86
Mean −172.3
Std Dev 221.6

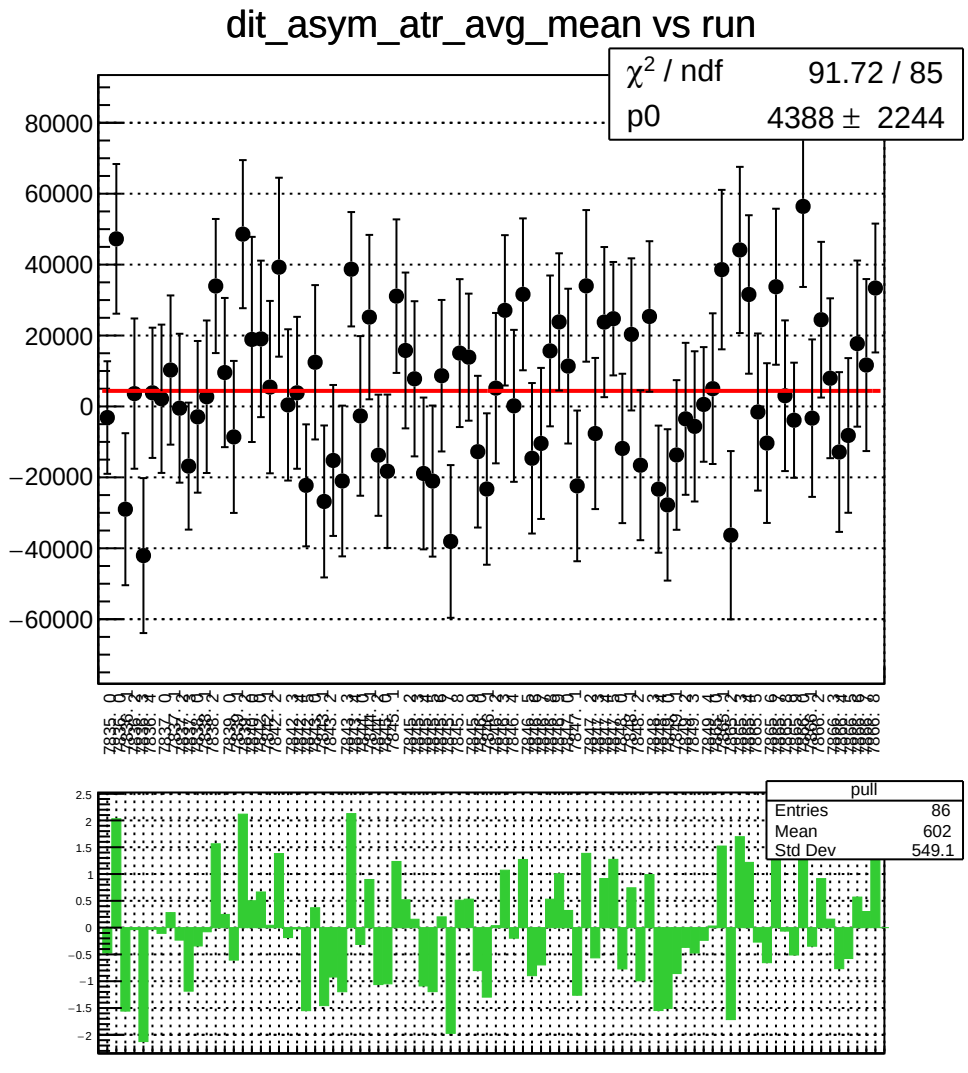

pull1D
Entries 86
Mean −0.009276
Std Dev 1.143

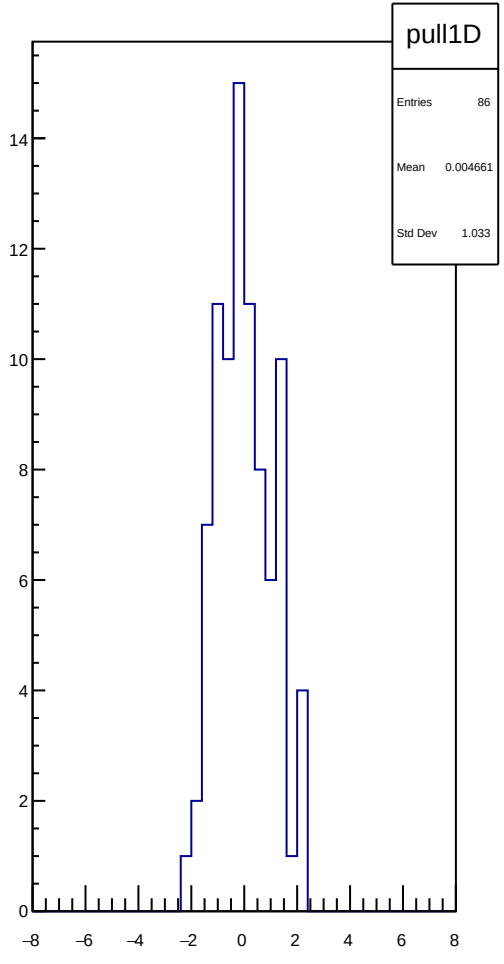

asym_atl_dd_correction_rms vs run
χ² / ndf 2.342e+04 / 85
p0 5294 ± 4.114
8500
8000
7500
7000
6500
6000
5500
5000
4500

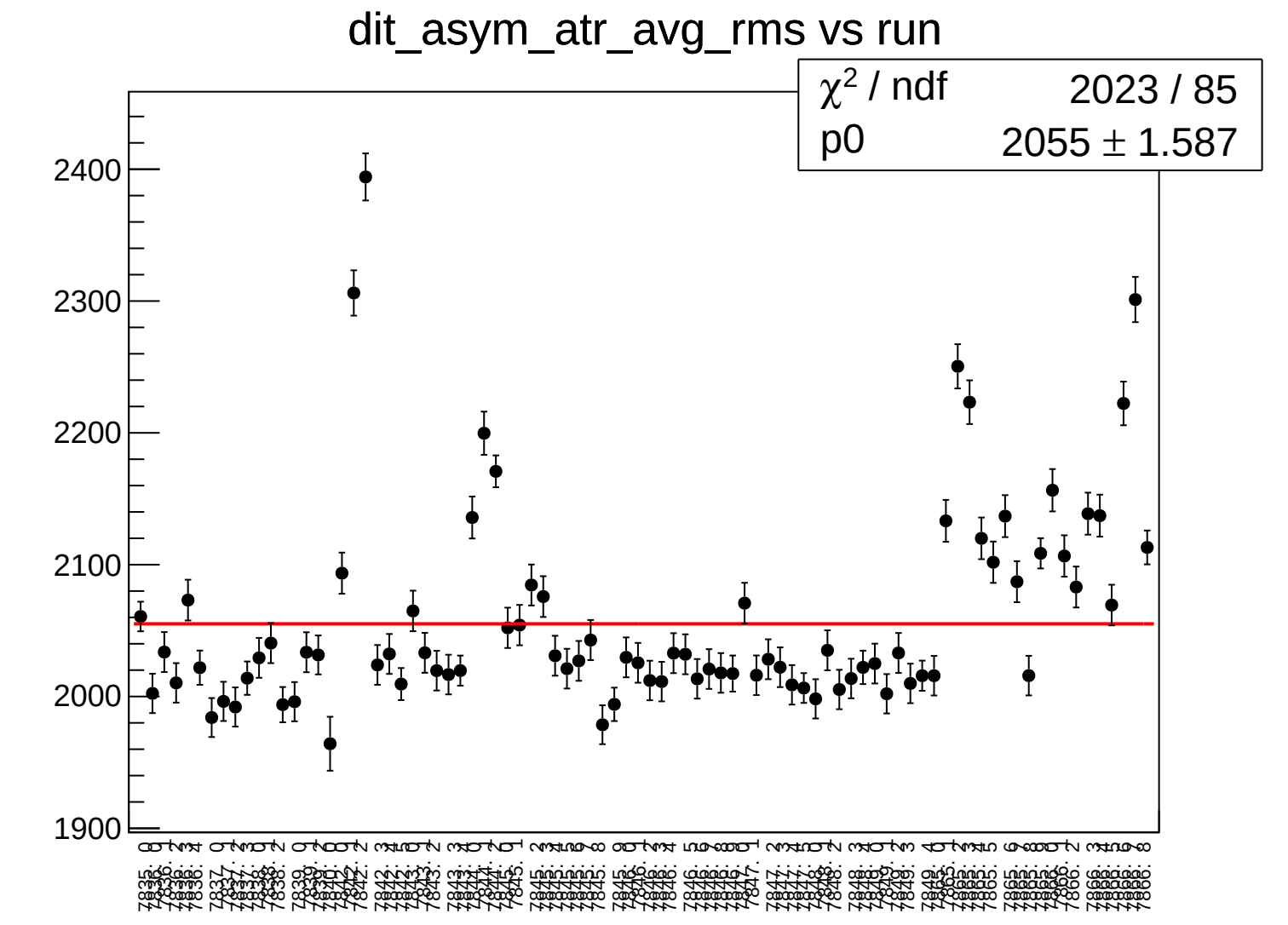

asym_atl_dd_mean vs run
×10^3
χ² / ndf 107.4 / 85
p0 −1.078e+04 ± 6085
pull
Entries 86
Mean −113.7
Std Dev 169

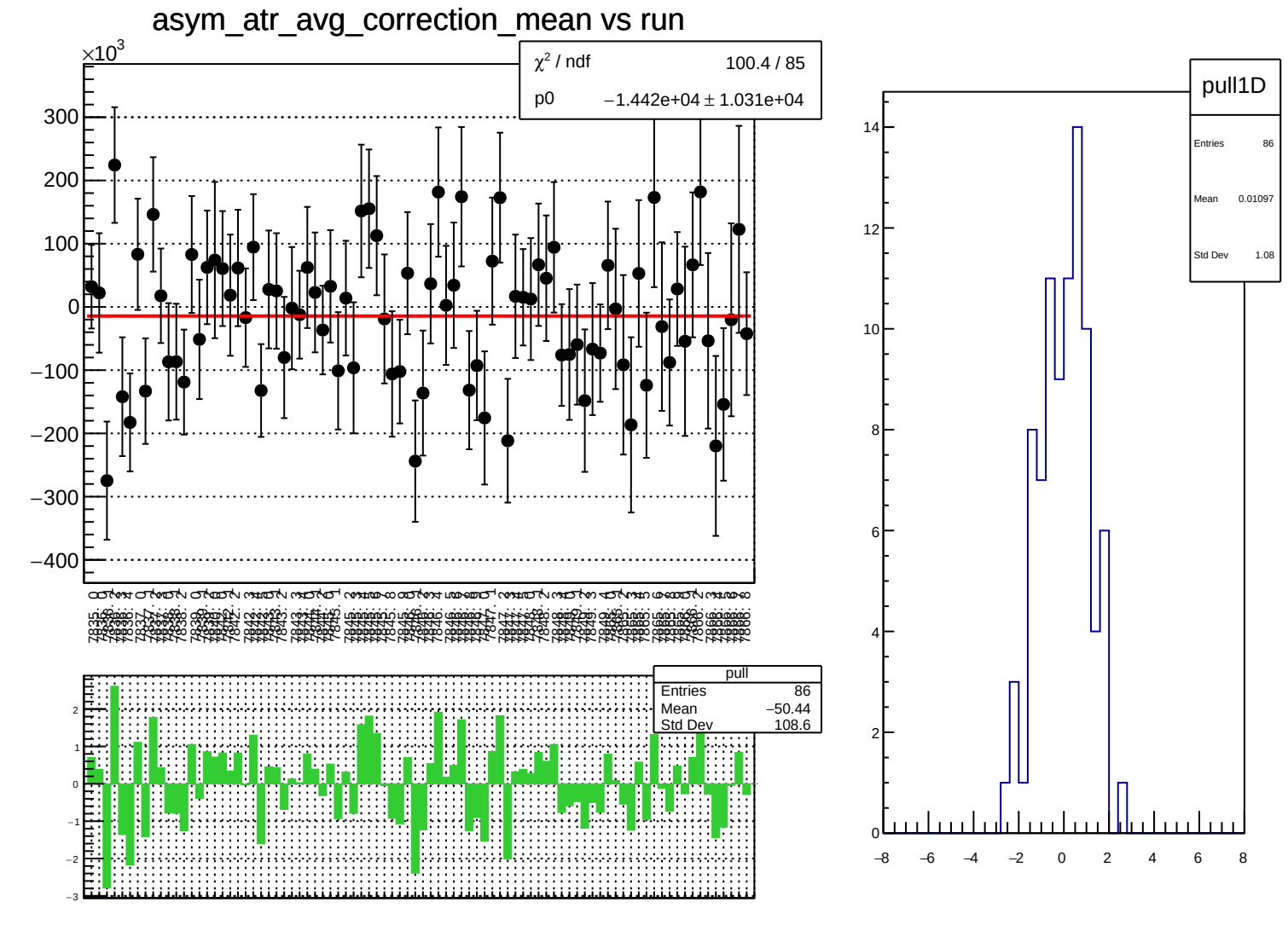

pull1D
Entries 86
Mean 0.01394
Std Dev 1.118

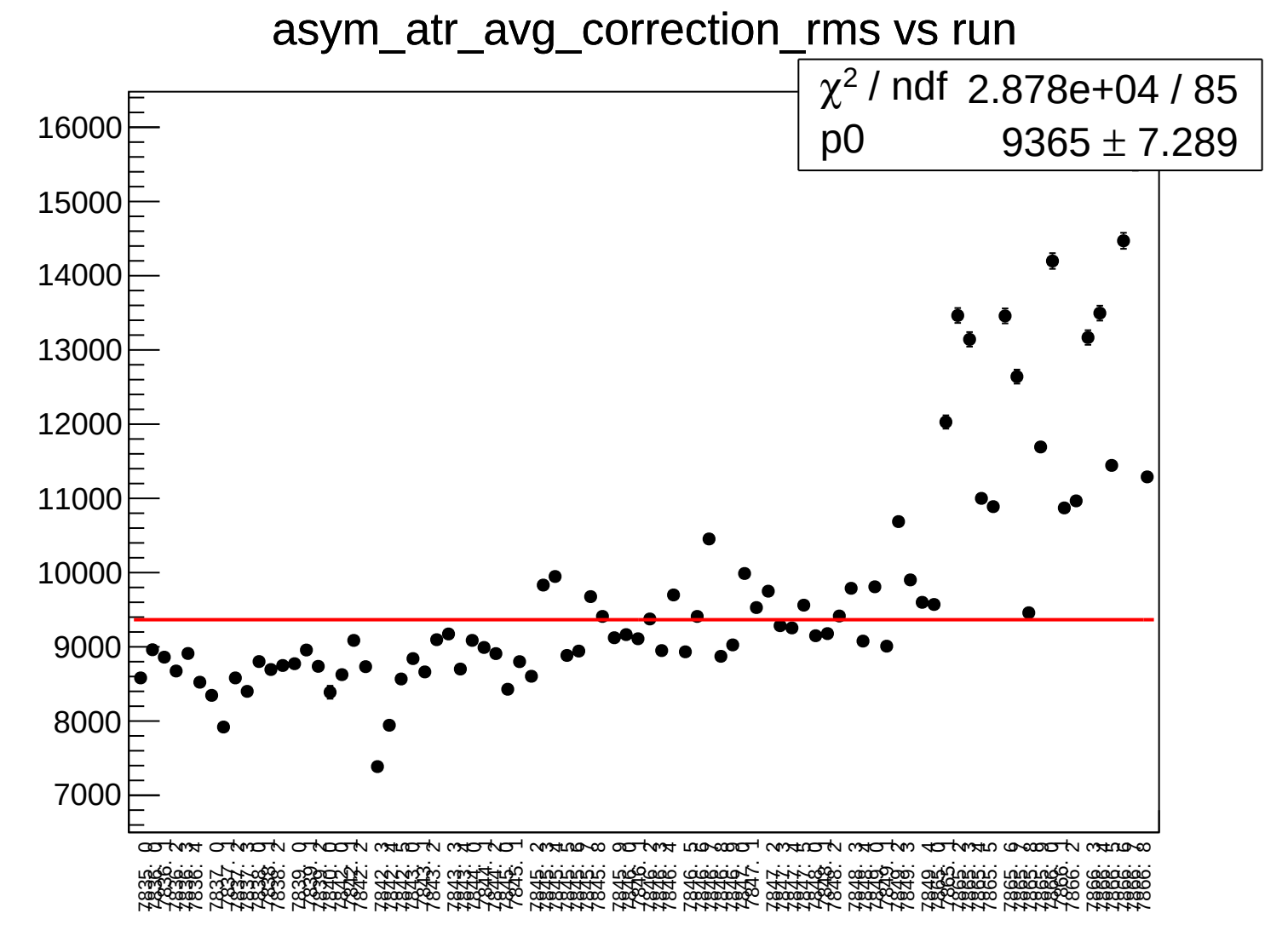

asym_atl_dd_rms vs run
χ^2 / ndf 2.035e+04 / 85
p0 5543 ± 4.303
9000
8000
7000
6000
5000

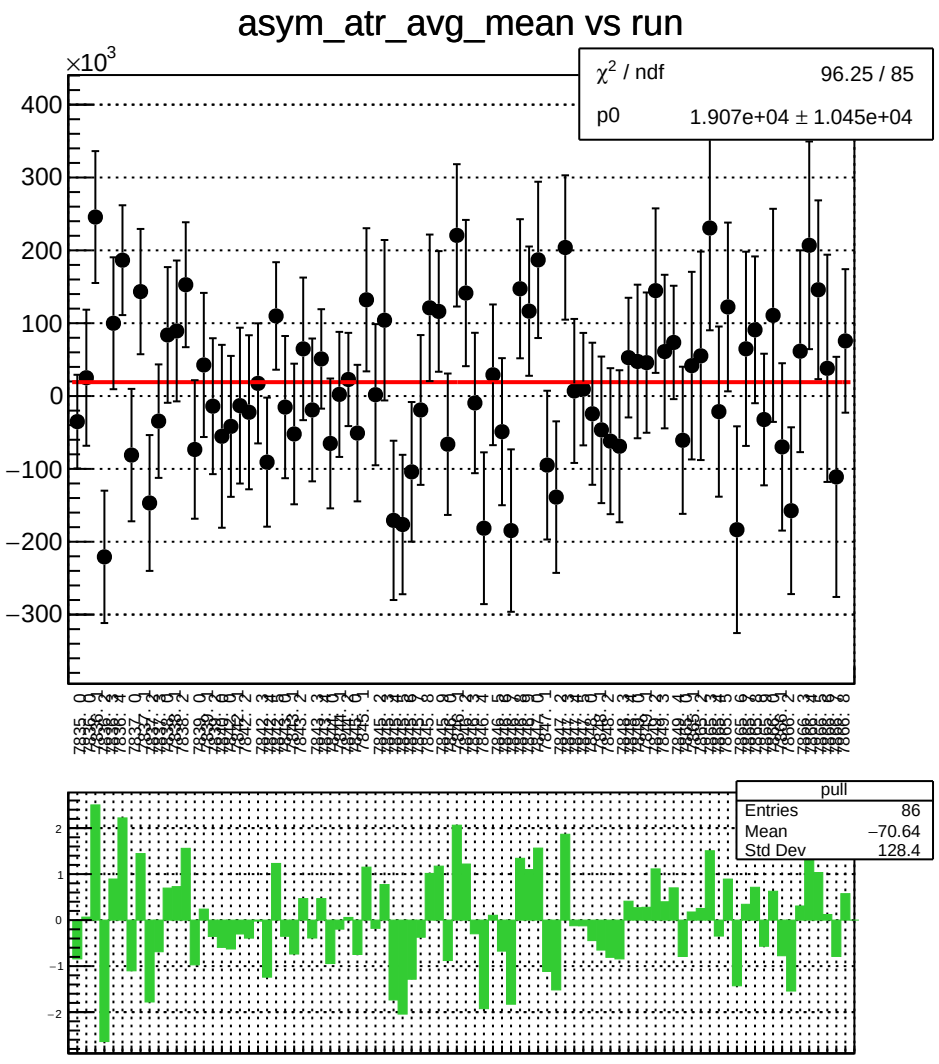

dit_asym_atr_avg_mean vs run
χ² / ndf 91.72 / 85
p0 4388 ± 2244
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 602
Std Dev 549.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

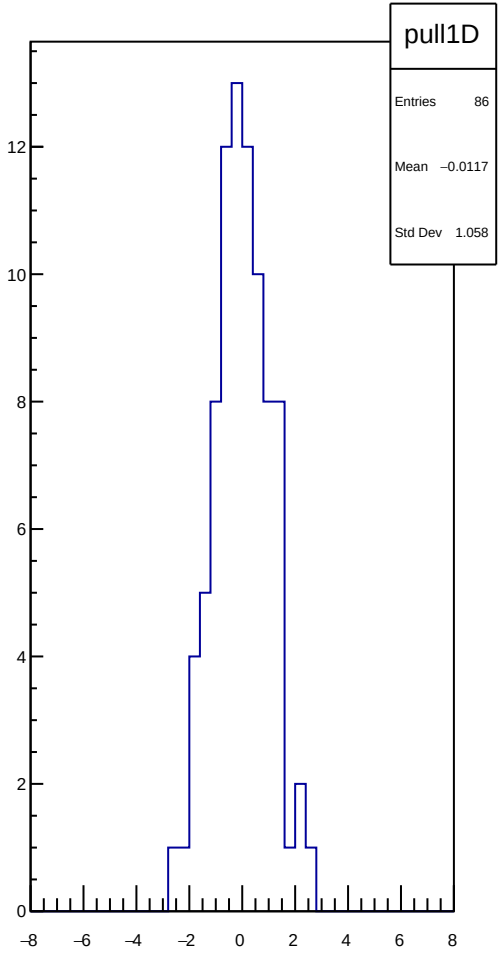

pull1D
Entries 86
Mean 0.004661
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

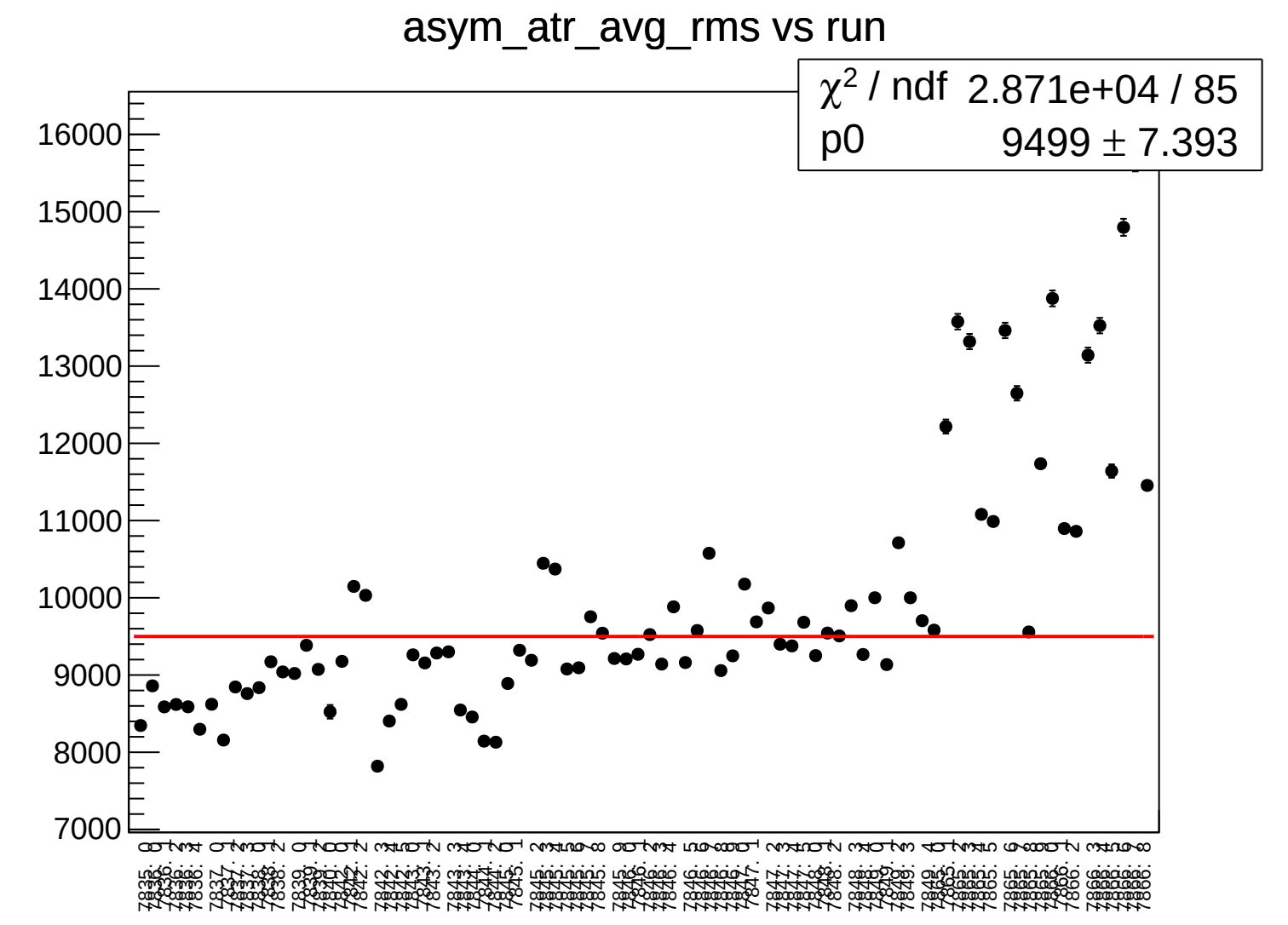

dit_asym_atr_avg_rms vs run
χ² / ndf 2023 / 85
p0 2055 ± 1.587
2400
2300
2200
2100
2000
1900

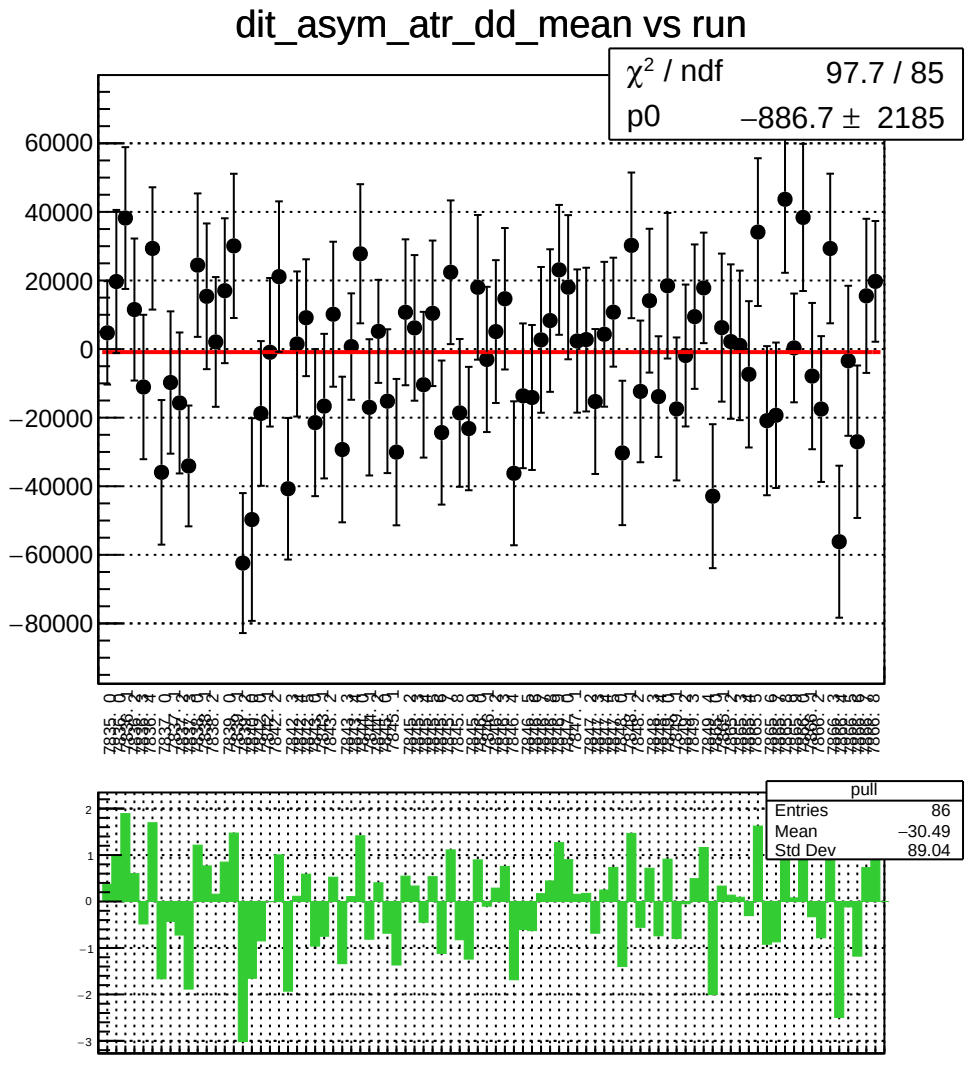

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 100.4 / 85
p0 −1.442e+04 ± 1.031e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 86
Mean −50.44
Std Dev 108.6
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.01097
Std Dev 1.08
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

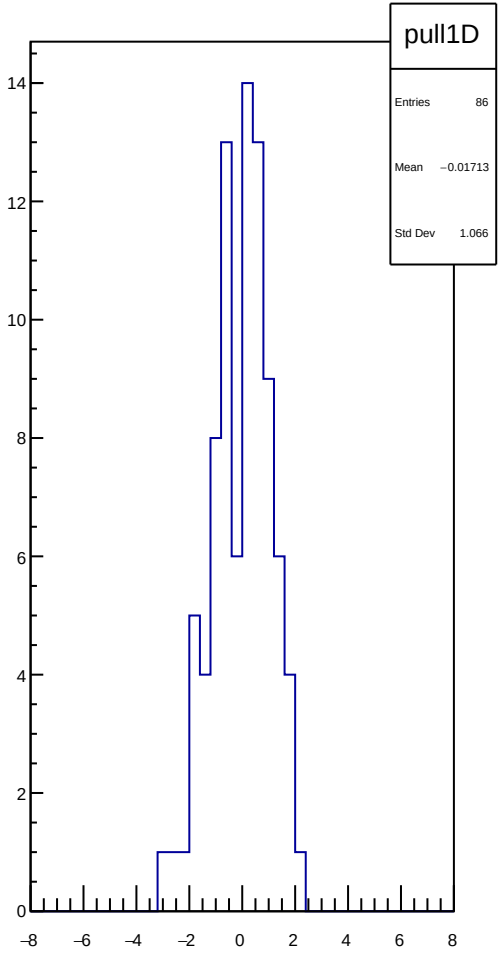

asym_atr_avg_correction_rms vs run
χ² / ndf 2.878e+04 / 85
p0 9365 ± 7.289
16000
15000
14000
13000
12000
11000
10000
9000
8000
7000

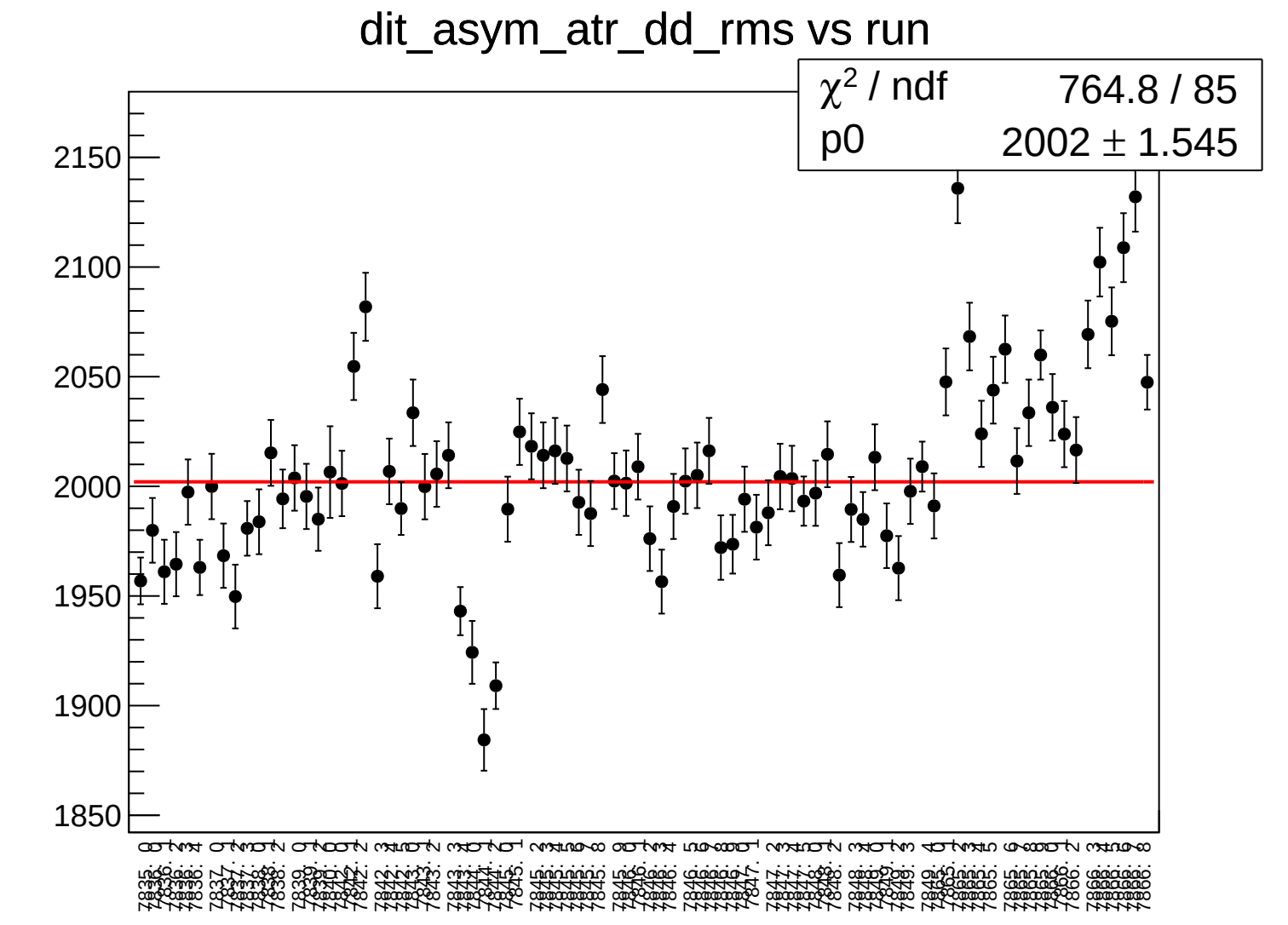

asym_atr_avg_mean vs run
×10^3
χ² / ndf 96.25 / 85
p0 1.907e+04 ± 1.045e+04
pull
Entries 86
Mean −70.64
Std Dev 128.4

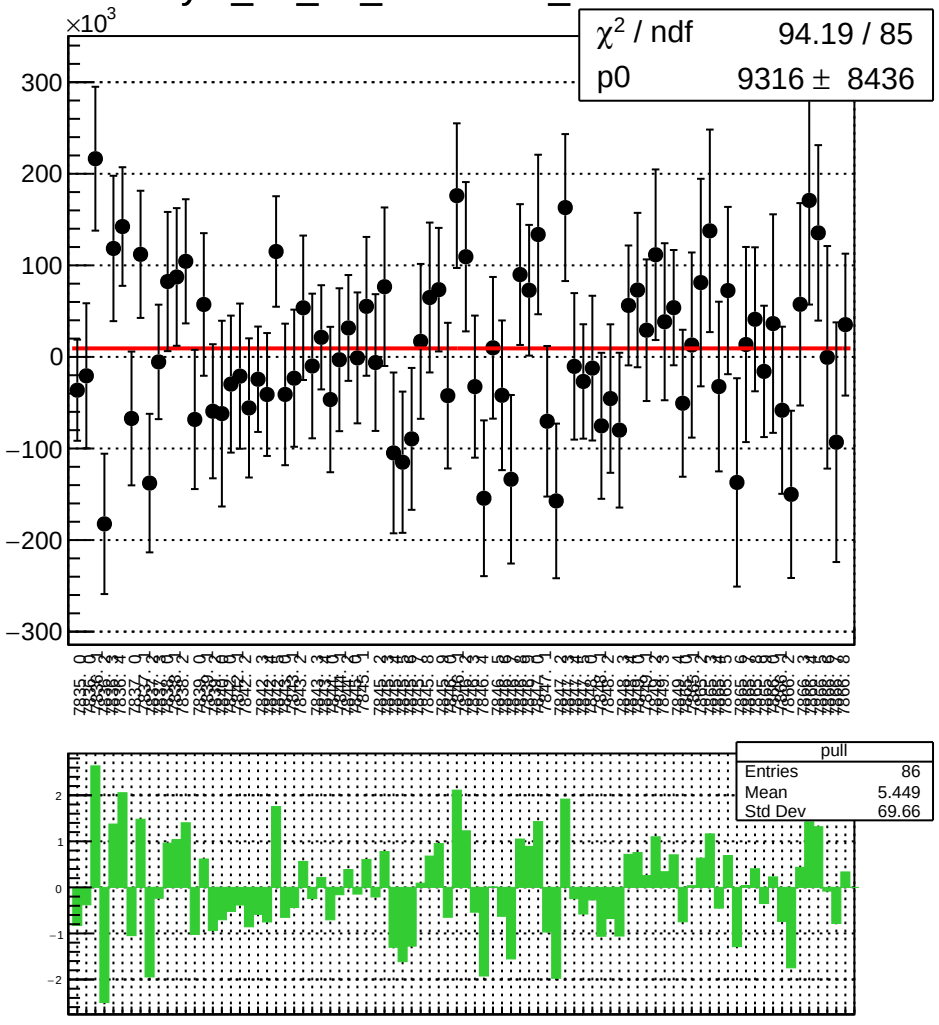

pull1D
Entries 86
Mean −0.0117
Std Dev 1.058

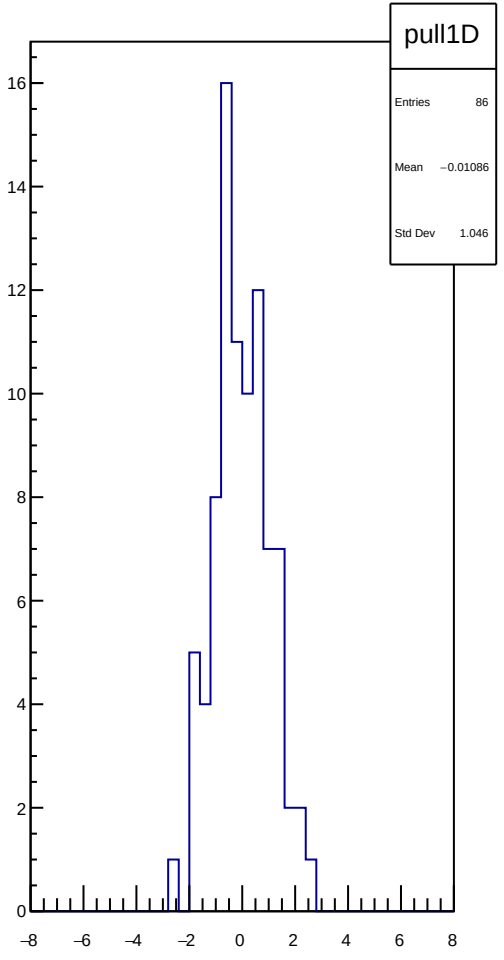

asym_atr_avg_rms vs run
χ^2 / ndf 2.871e+04 / 85
p0 9499 ± 7.393
16000
15000
14000
13000
12000
11000
10000
9000
8000
7000

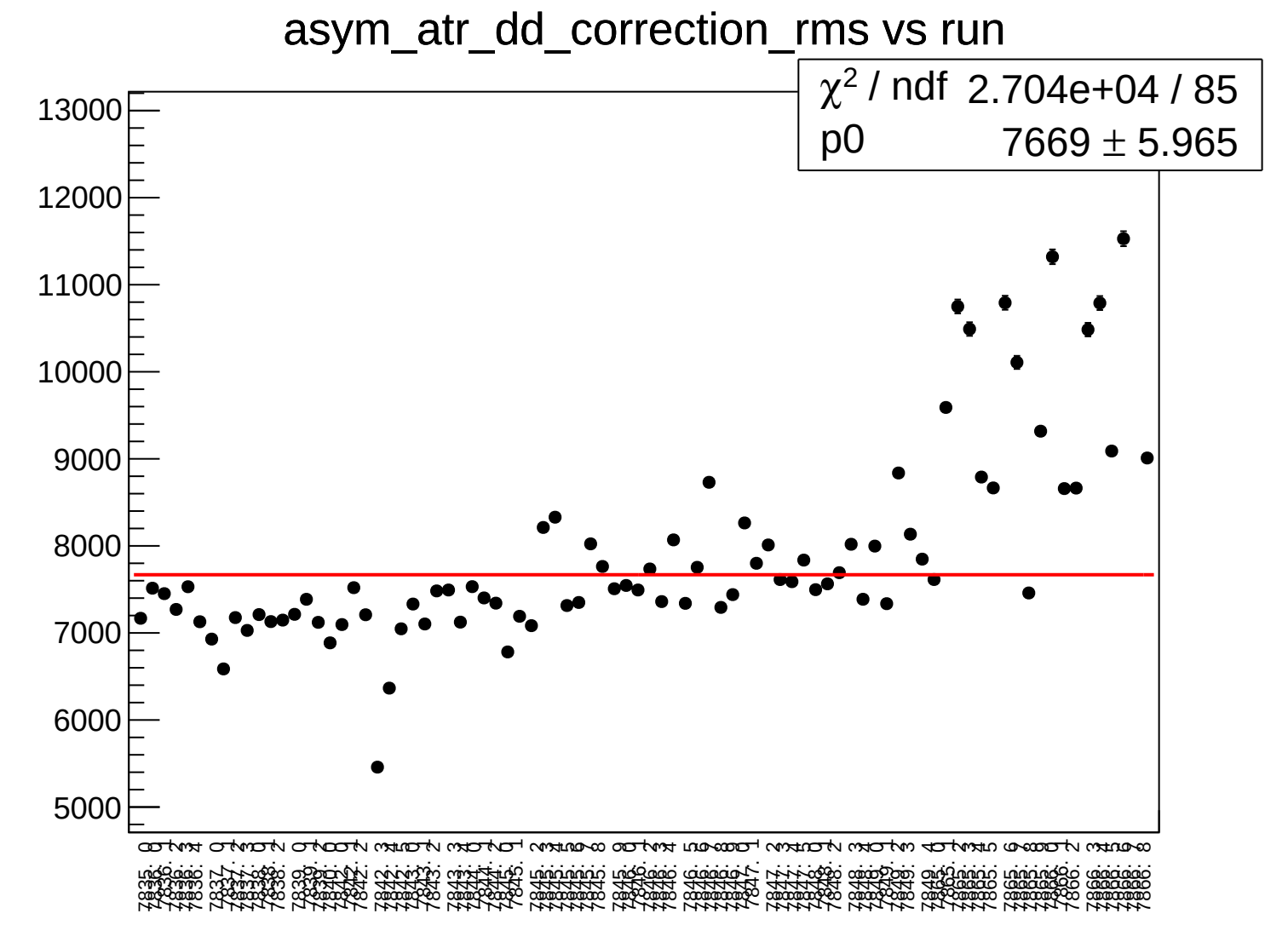

dit_asym_atr_dd_mean vs run
χ² / ndf 97.7 / 85
p0 −886.7 ± 2185
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −30.49
Std Dev 89.04
2
1
0
−1
−2
−3

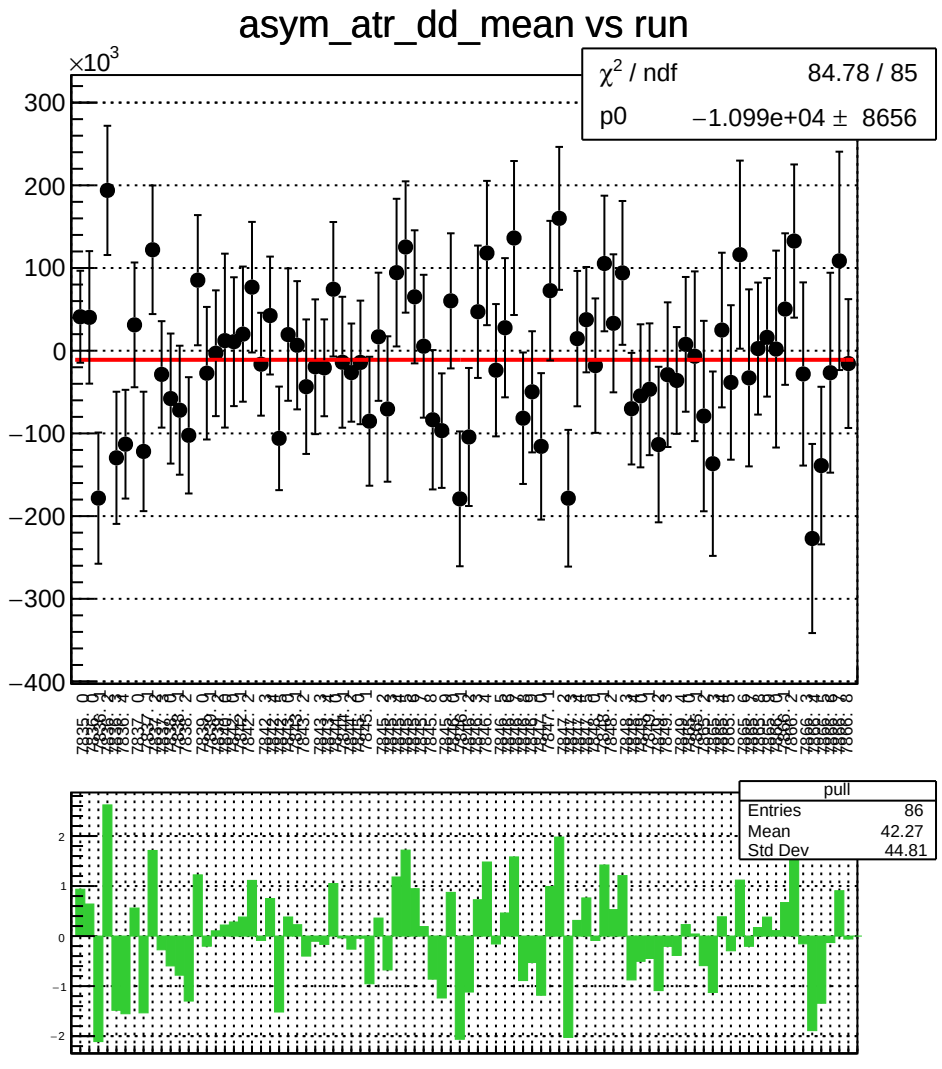

pull1D
Entries 86
Mean −0.01713
Std Dev 1.066
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

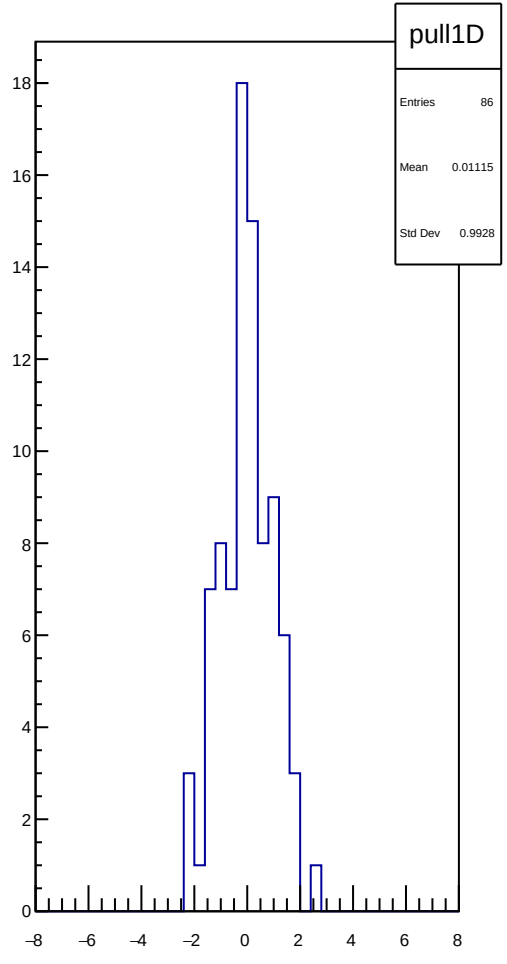

dit_asym_atr_dd_rms vs run
χ² / ndf 764.8 / 85
p0 2002 ± 1.545
2150
2100
2050
2000
1950
1900
1850

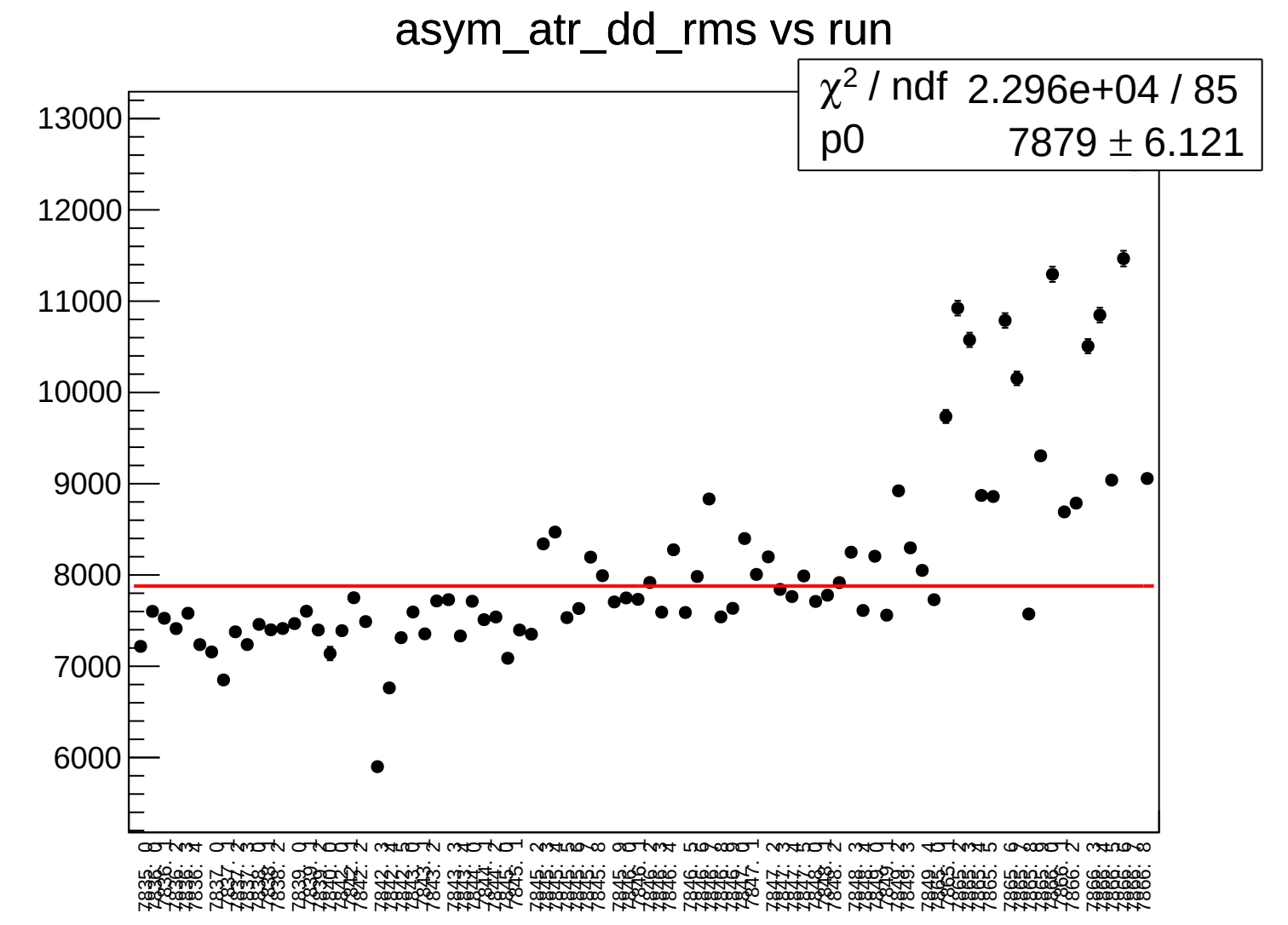

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 94.19 / 85
p0 9316 ± 8436
pull
Entries 86
Mean 5.449
Std Dev 69.66

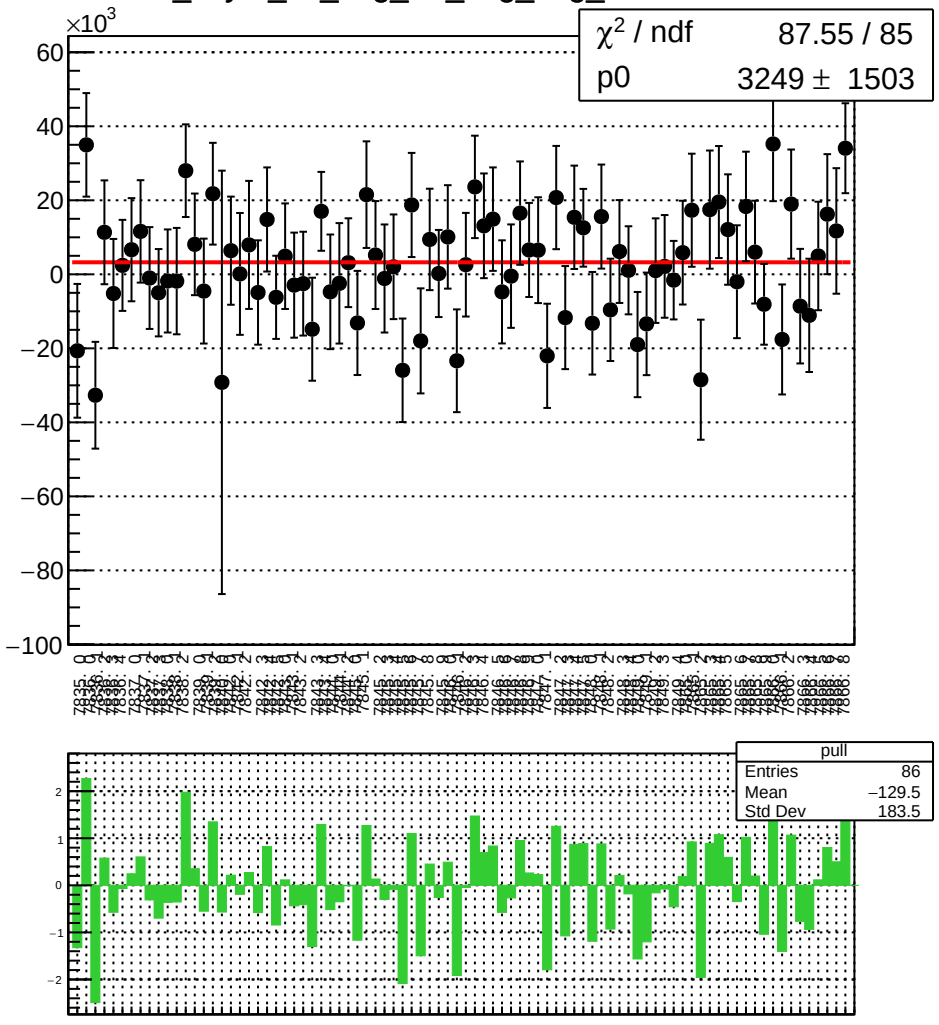

pull1D
Entries 86
Mean −0.01086
Std Dev 1.046

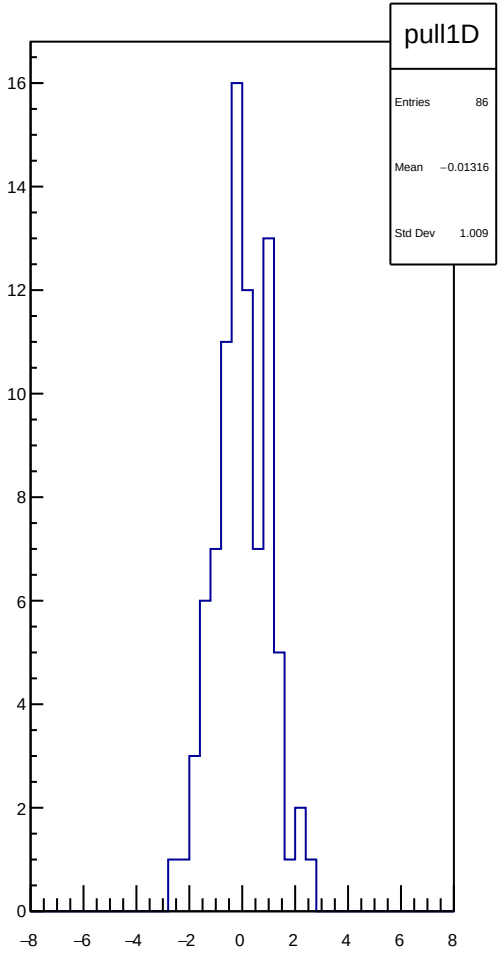

asym_atr_dd_correction_rms vs run
χ² / ndf 2.704e+04 / 85
p0 7669 ± 5.965
13000
12000
11000
10000
9000
8000
7000
6000
5000

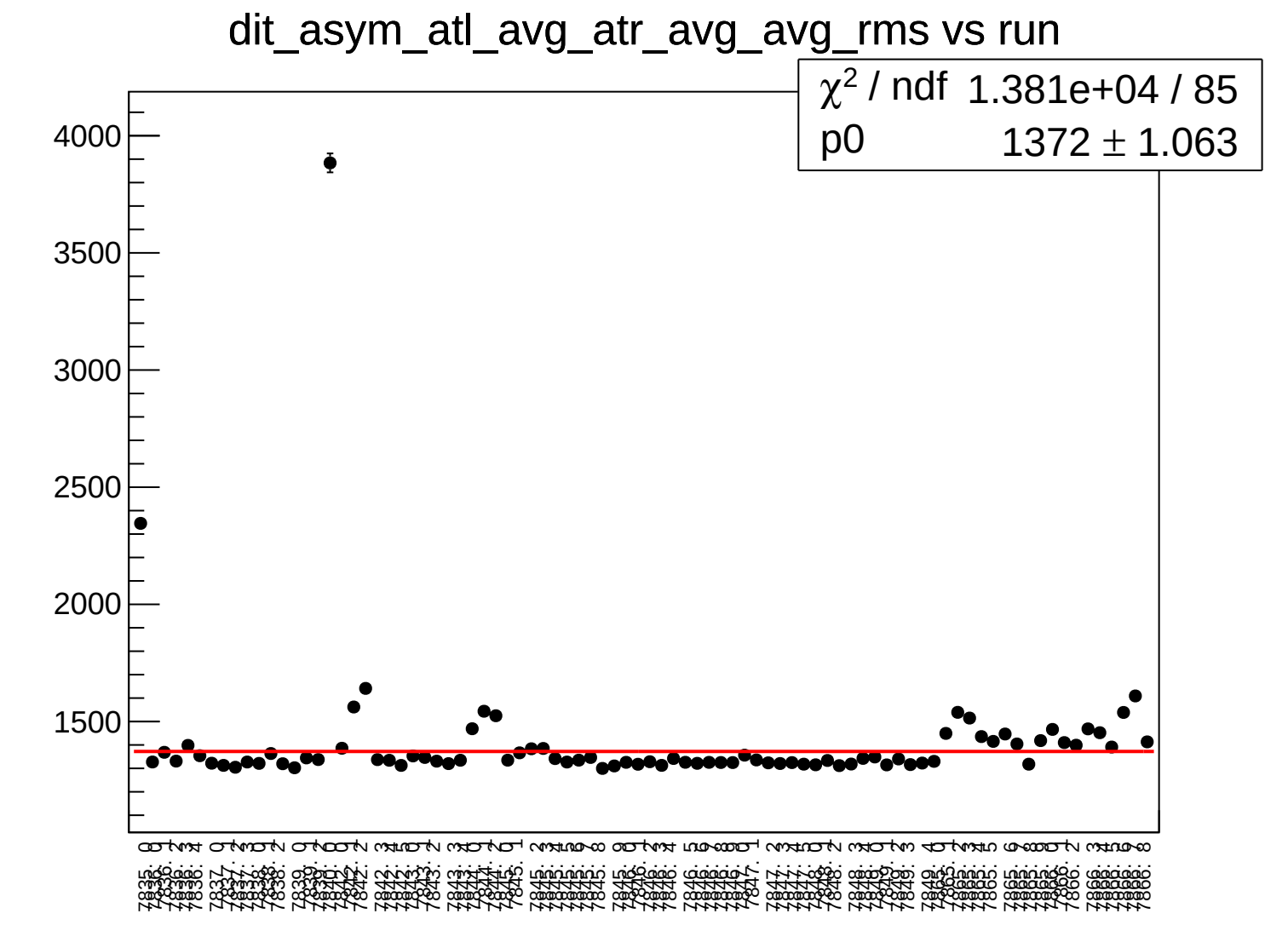

asym_atr_dd_mean vs run
×10^3
χ² / ndf 84.78 / 85
p0 −1.099e+04 ± 8656
pull
Entries 86
Mean 42.27
Std Dev 44.81

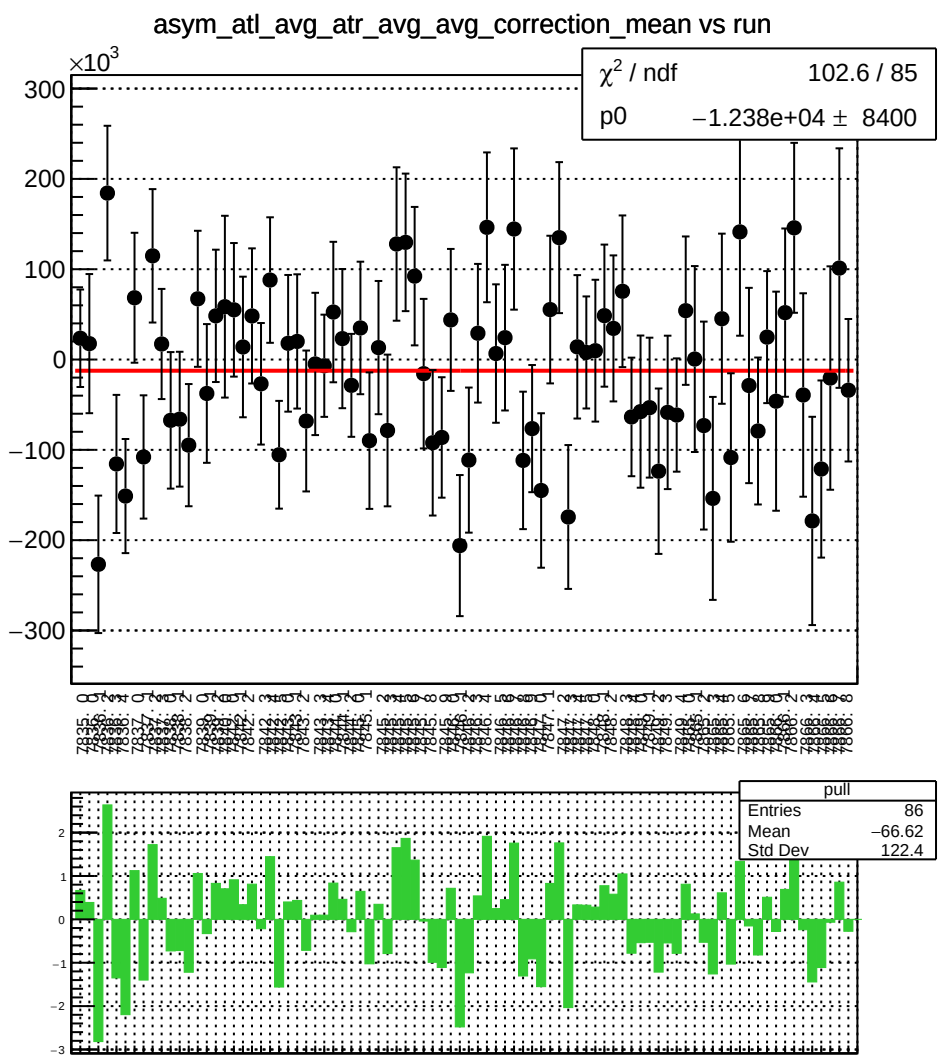

pull1D
Entries 86
Mean 0.01115
Std Dev 0.9928

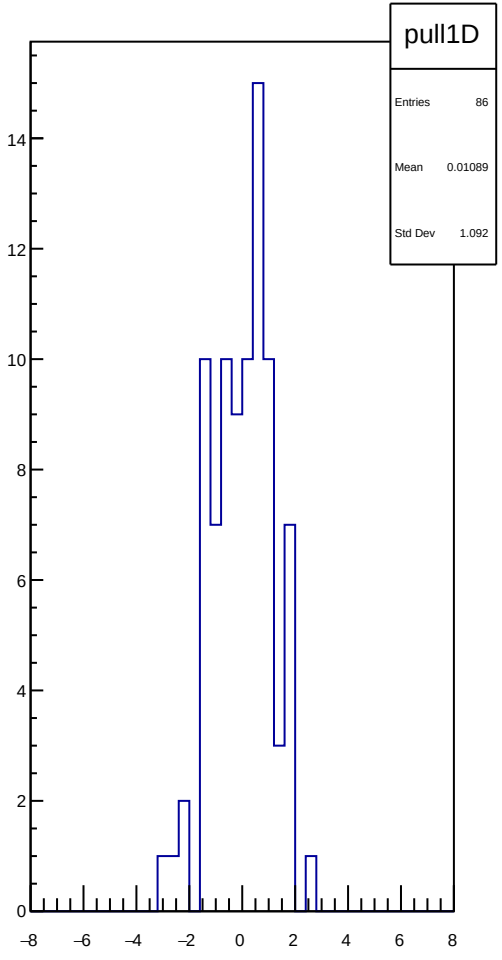

asym_atr_dd_rms vs run
χ² / ndf 2.296e+04 / 85
p0 7879 ± 6.121
13000
12000
11000
10000
9000
8000
7000
6000

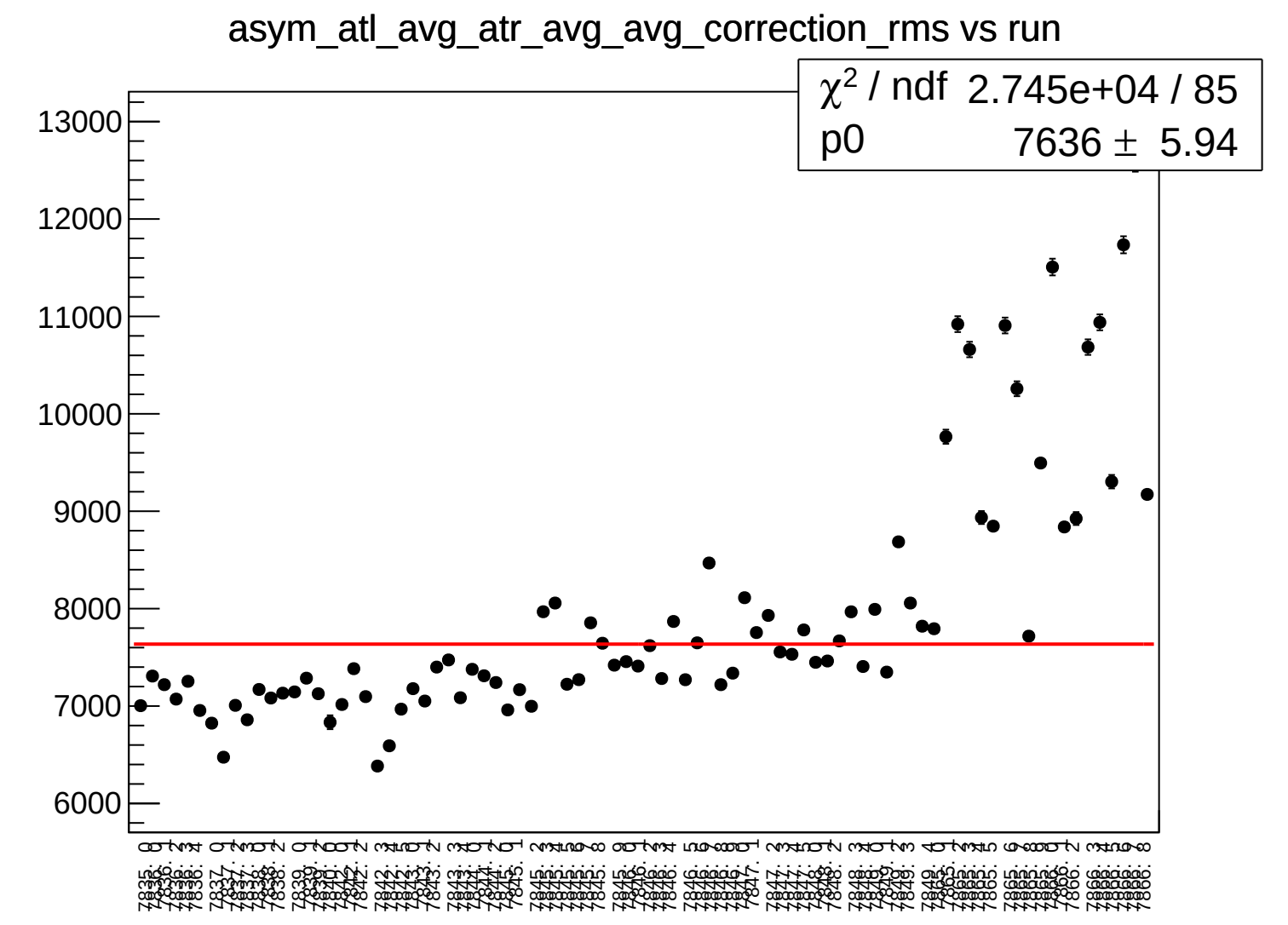

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 87.55 / 85
p0 3249 ± 1503
pull
Entries 86
Mean −129.5
Std Dev 183.5

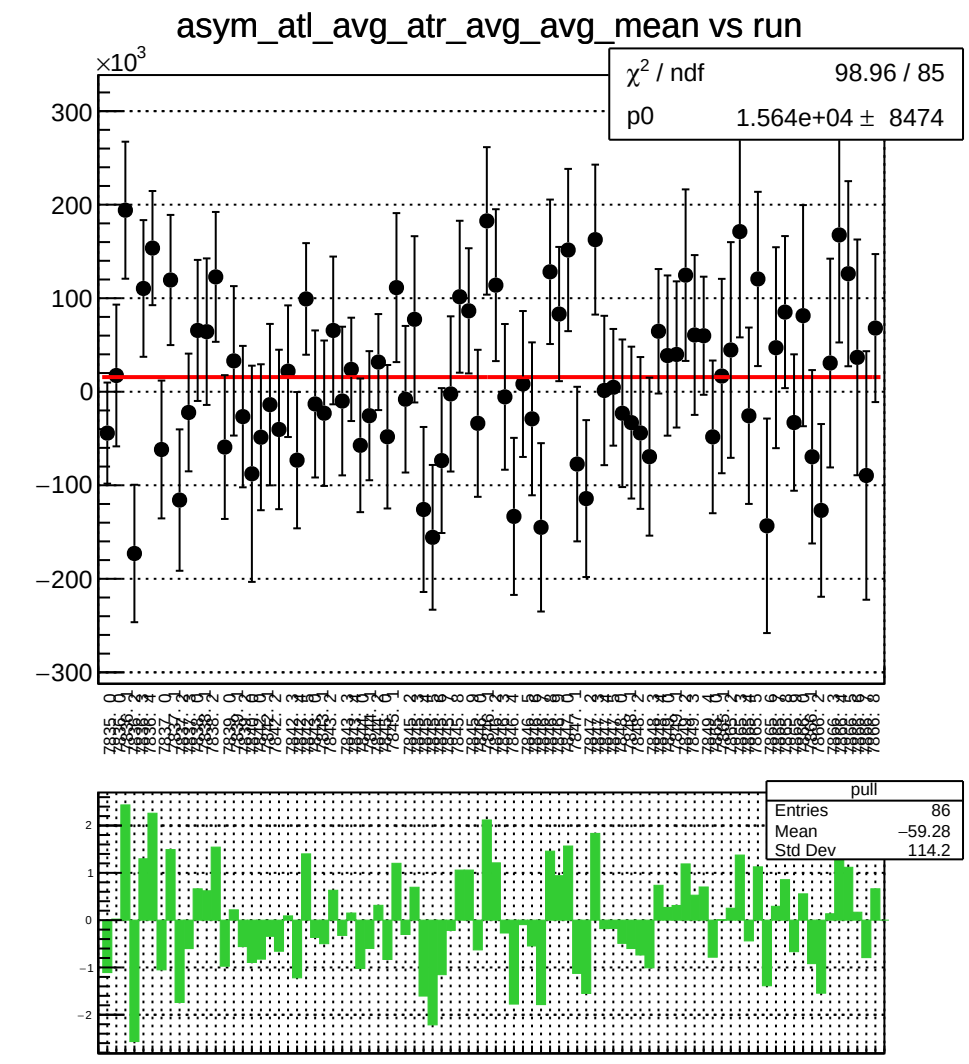

pull1D
Entries 86
Mean −0.01316
Std Dev 1.009

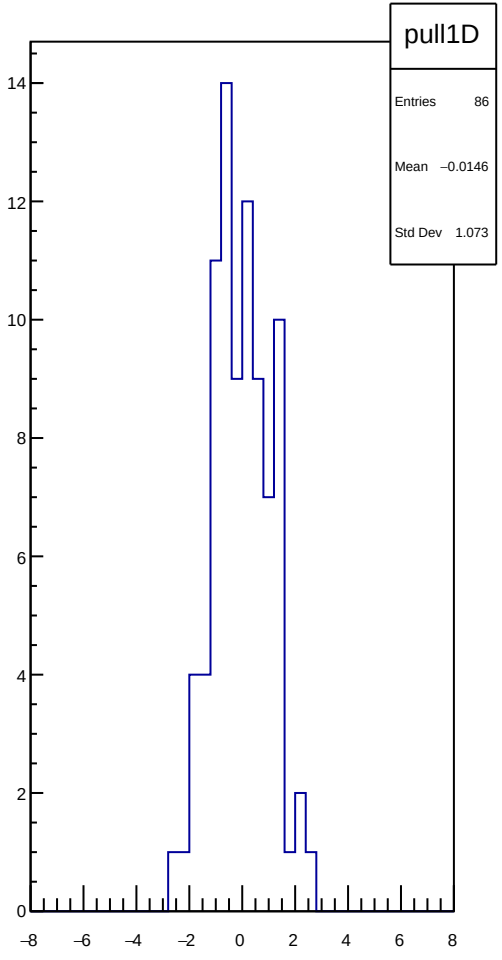

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.381e+04 / 85
p0 1372 ± 1.063
4000
3500
3000
2500
2000
1500

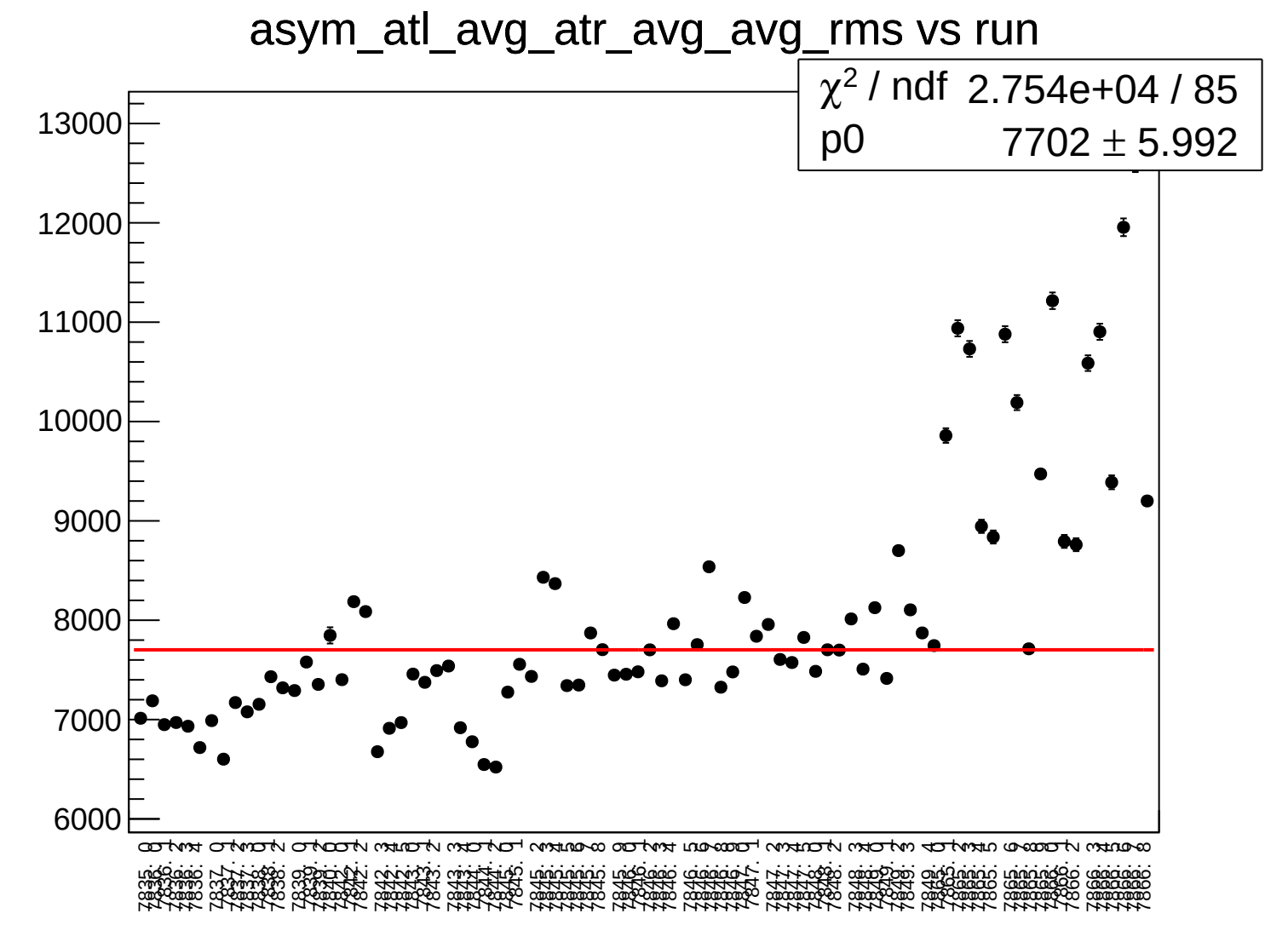

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 102.6 / 85
p0 −1.238e+04 ± 8400
pull
Entries 86
Mean −66.62
Std Dev 122.4

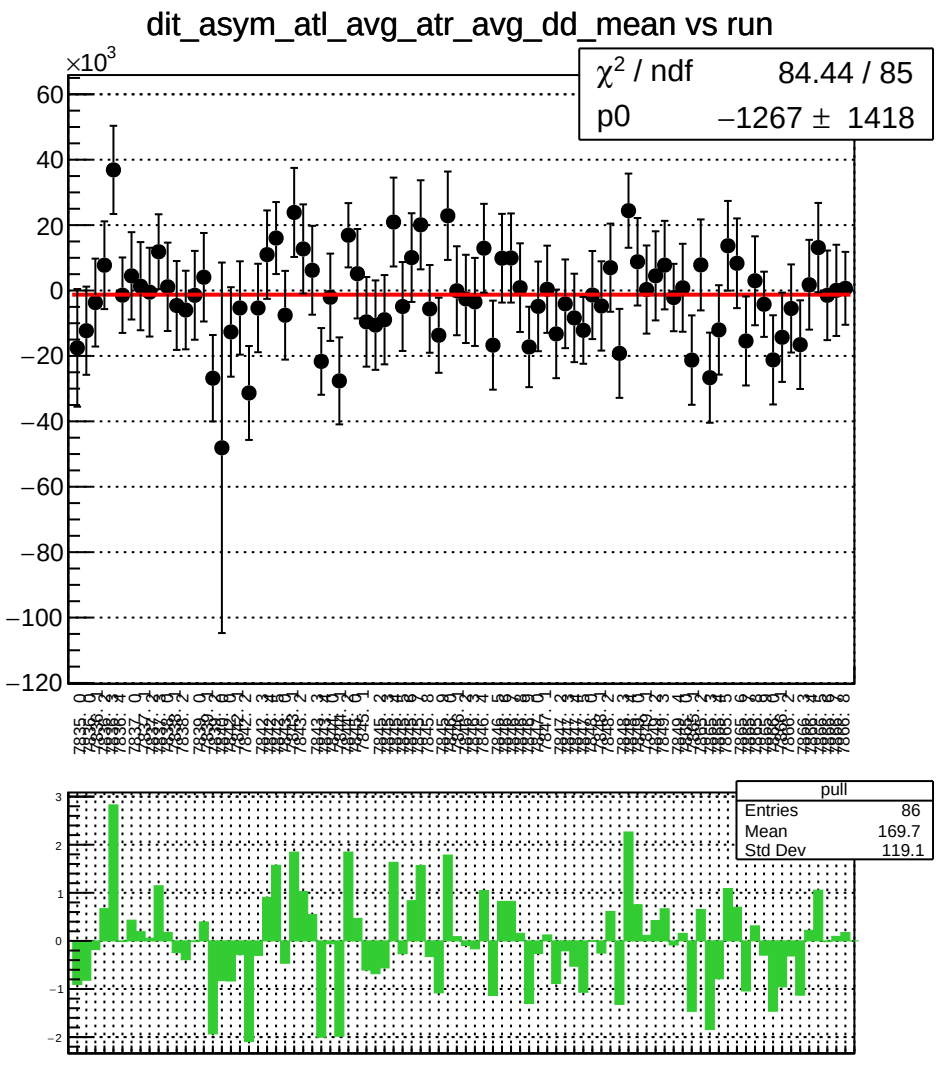

pull1D
Entries 86
Mean 0.01089
Std Dev 1.092

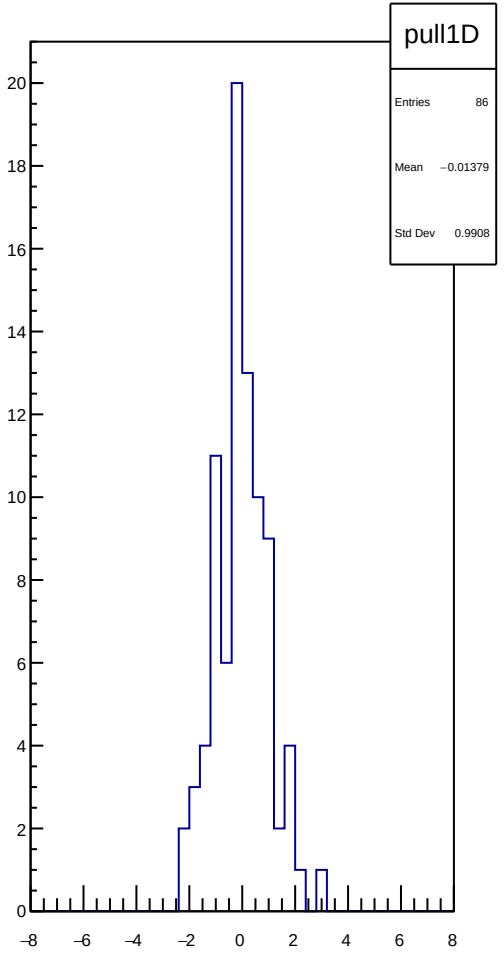

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2.745e+04 / 85
p0 7636 ± 5.94
13000
12000
11000
10000
9000
8000
7000
6000

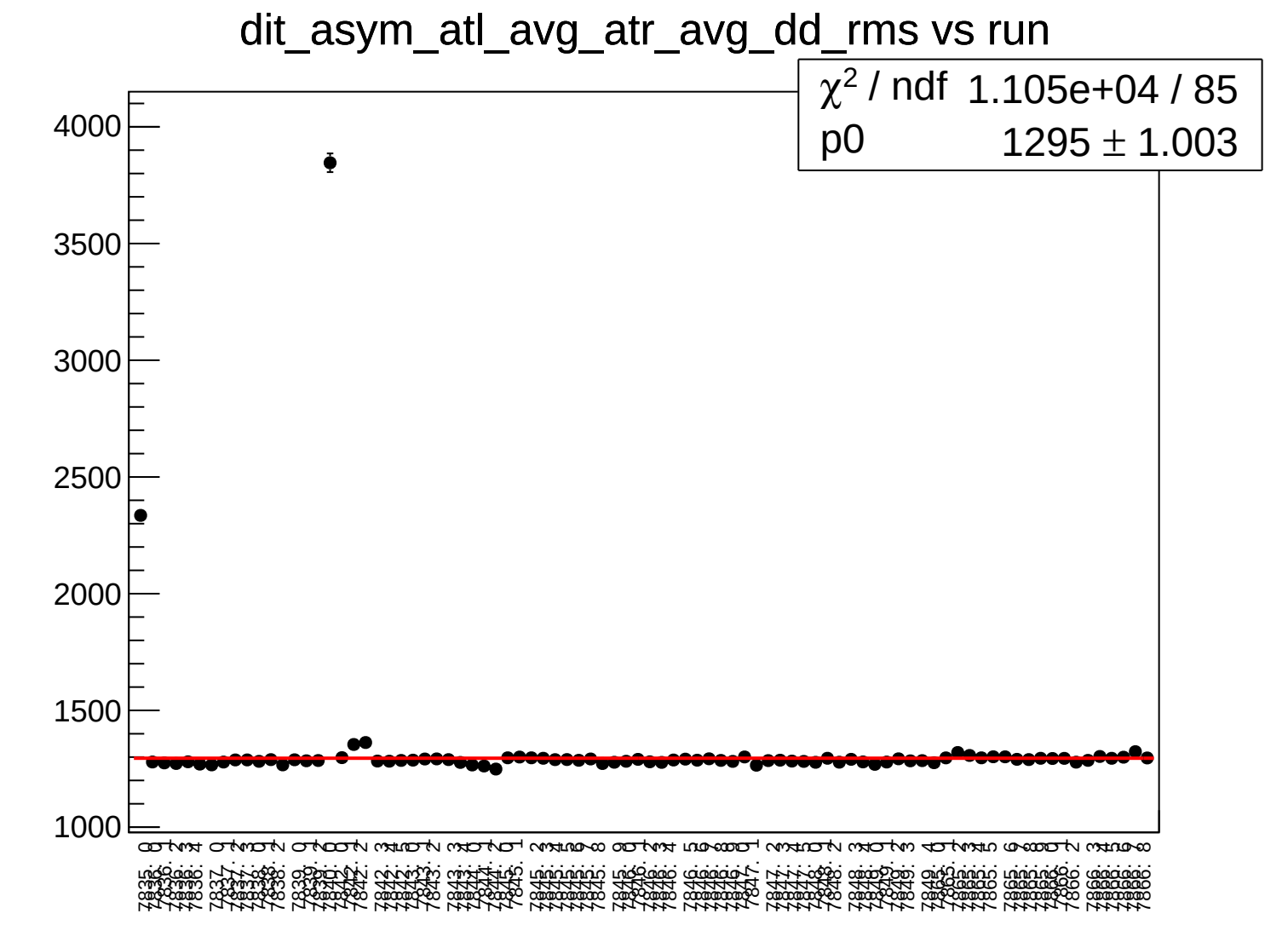

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 98.96 / 85
p0 1.564e+04 ± 8474
pull
Entries 86
Mean −59.28
Std Dev 114.2

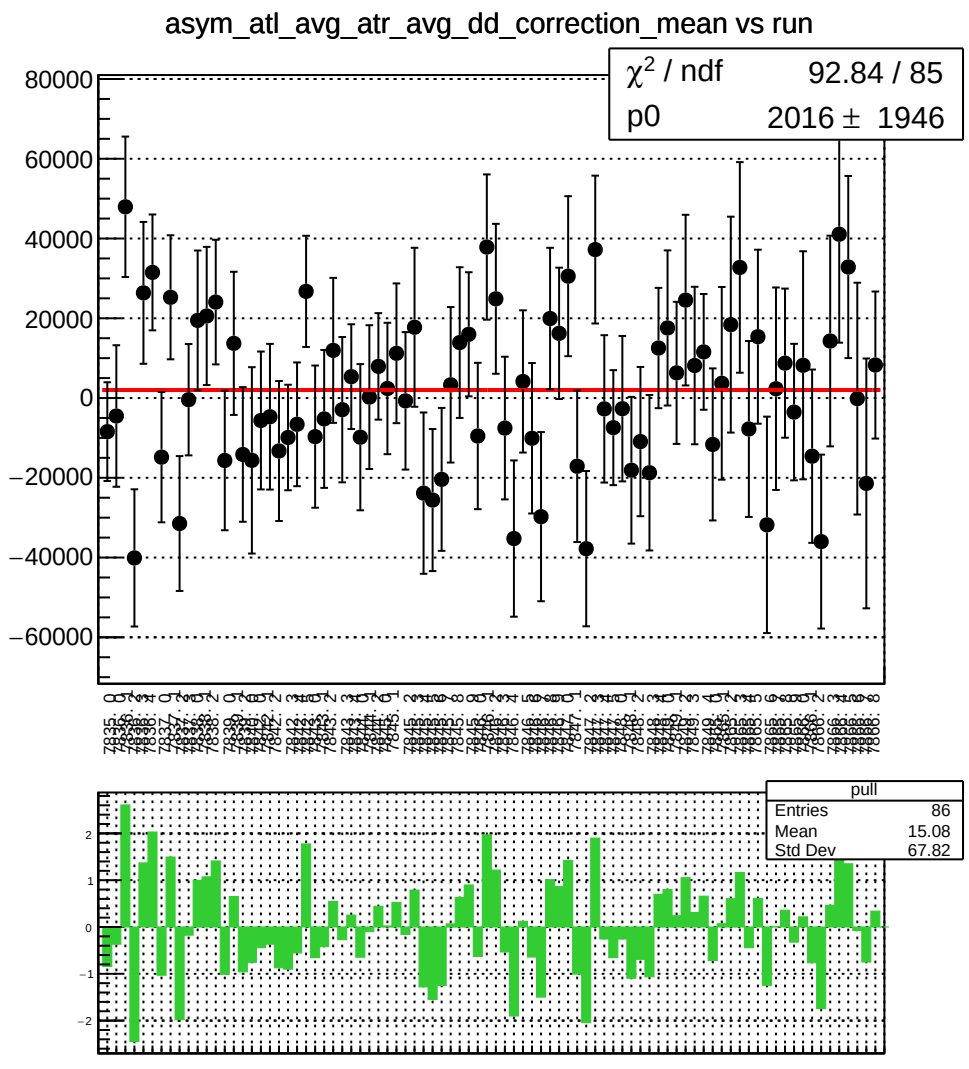

pull1D
Entries 86
Mean −0.0146
Std Dev 1.073

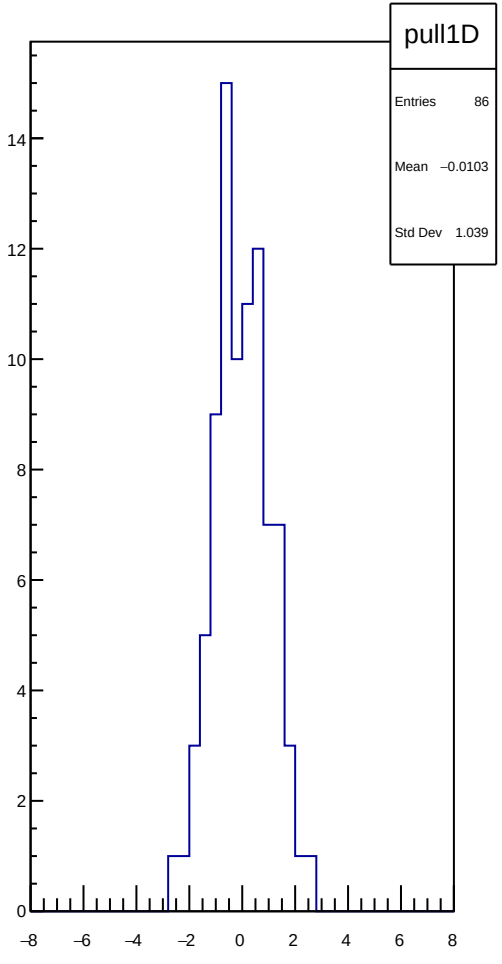

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.754e+04 / 85
p0 7702 ± 5.992
13000
12000
11000
10000
9000
8000
7000
6000

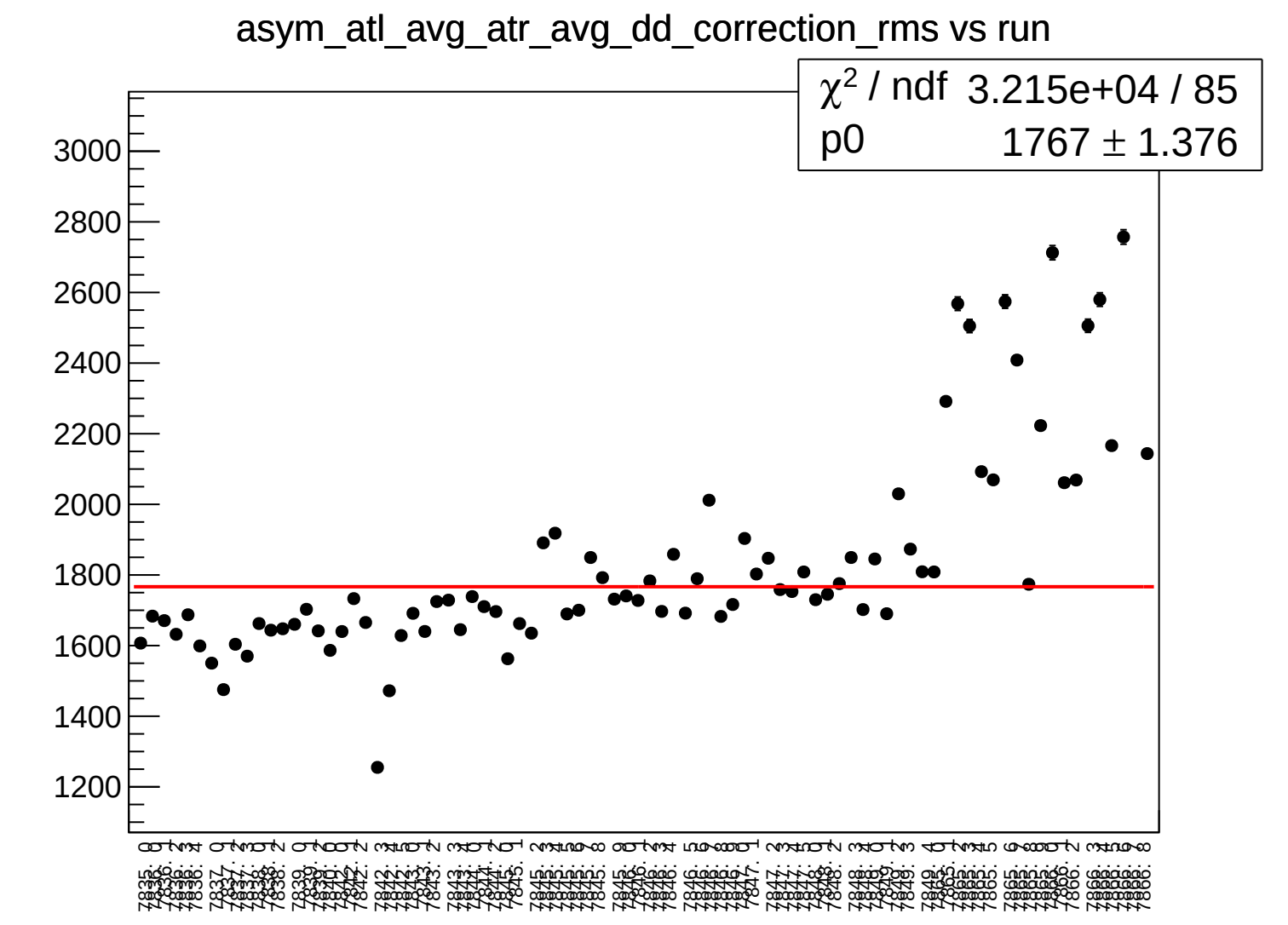

dit_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 84.44 / 85
p0 −1267 ± 1418
pull
Entries 86
Mean 169.7
Std Dev 119.1

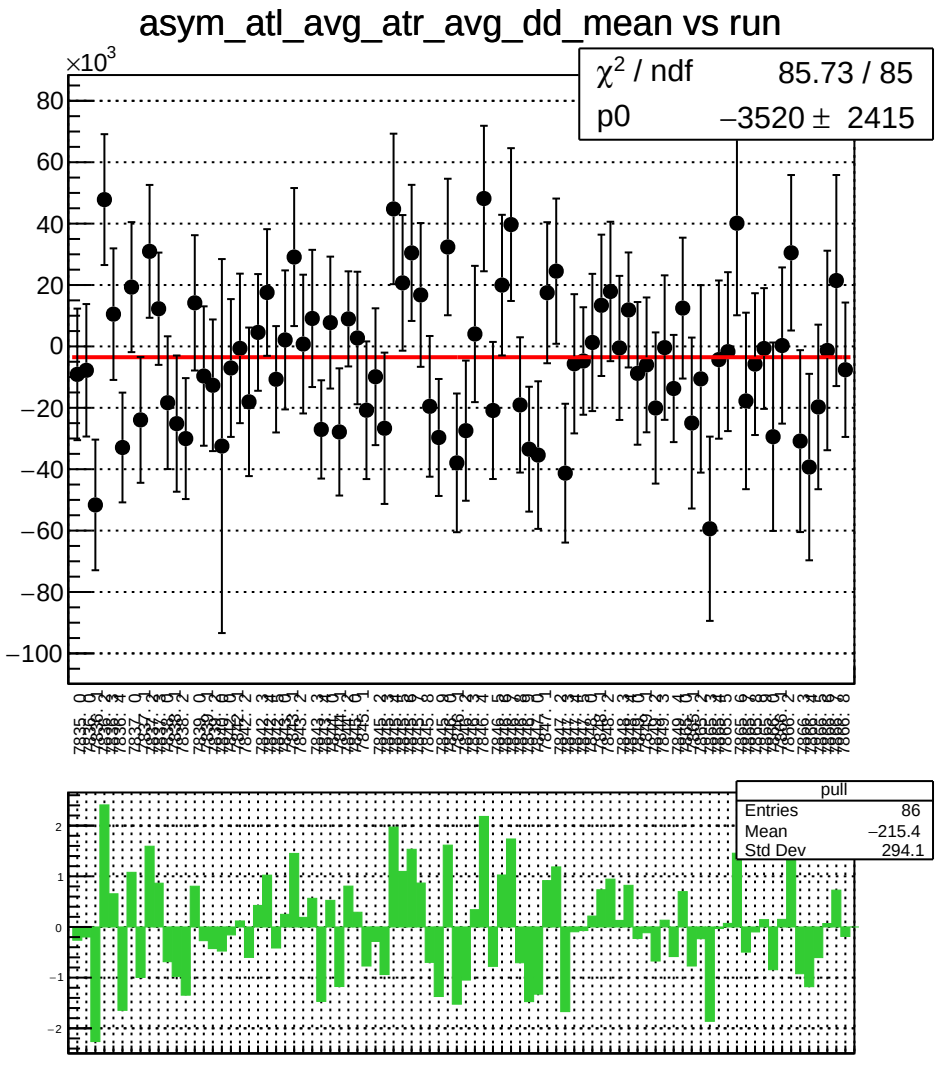

pull1D
Entries 86
Mean −0.01379
Std Dev 0.9908

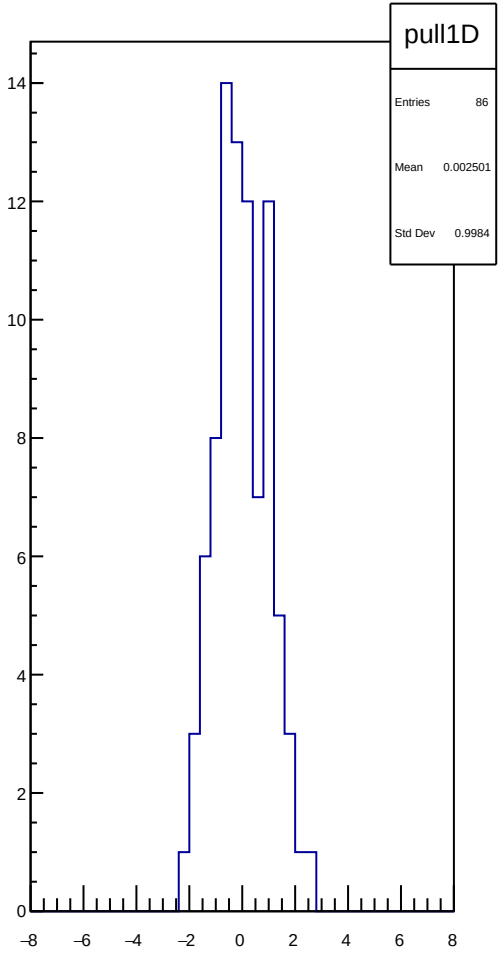

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.105e+04 / 85
p0 1295 ± 1.003
4000
3500
3000
2500
2000
1500
1000

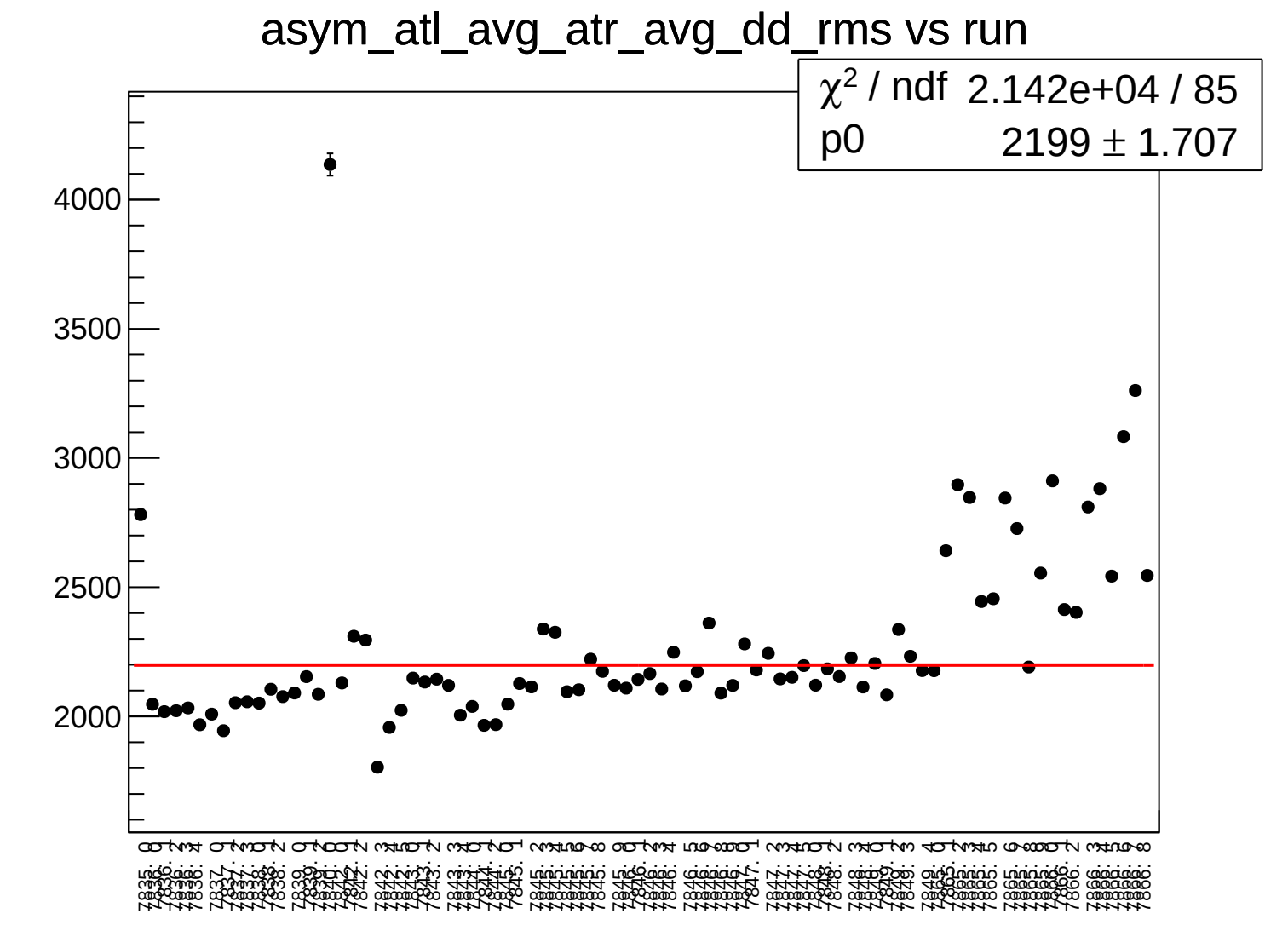

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 92.84 / 85
p0 2016 ± 1946
pull
Entries 86
Mean 15.08
Std Dev 67.82

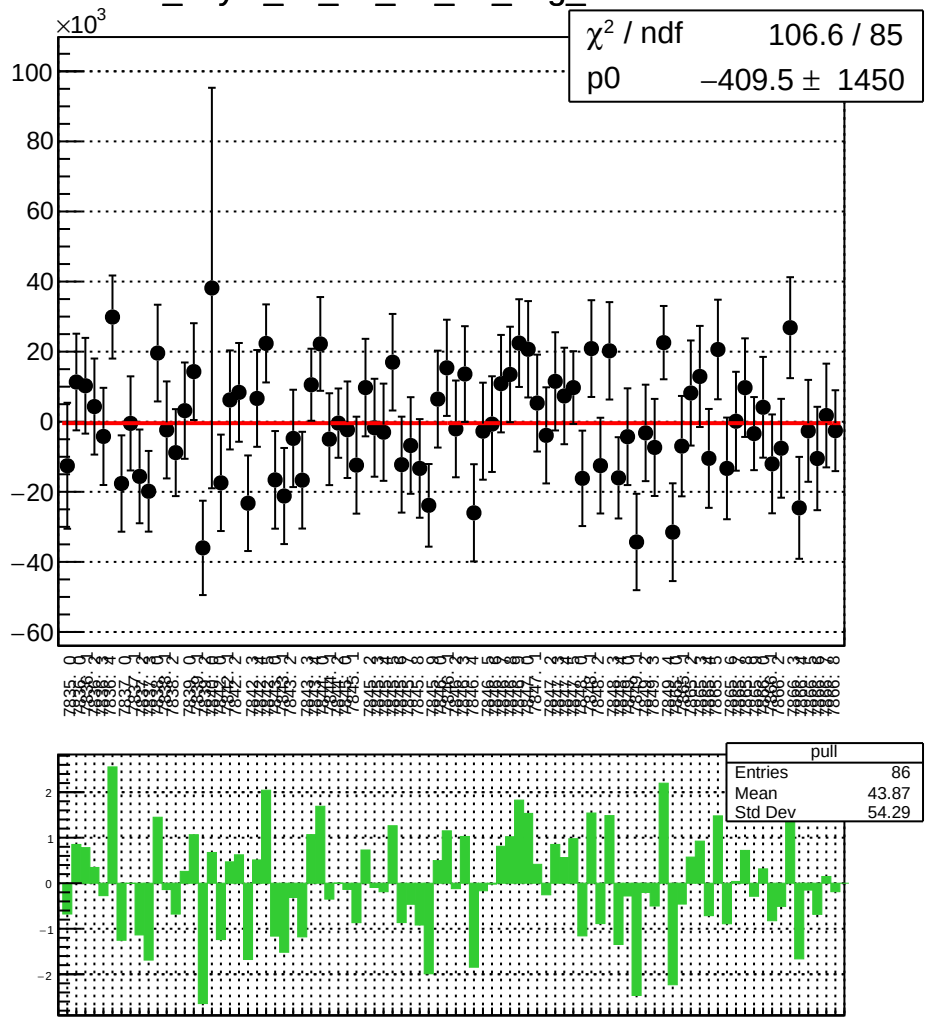

pull1D
Entries 86
Mean −0.0103
Std Dev 1.039

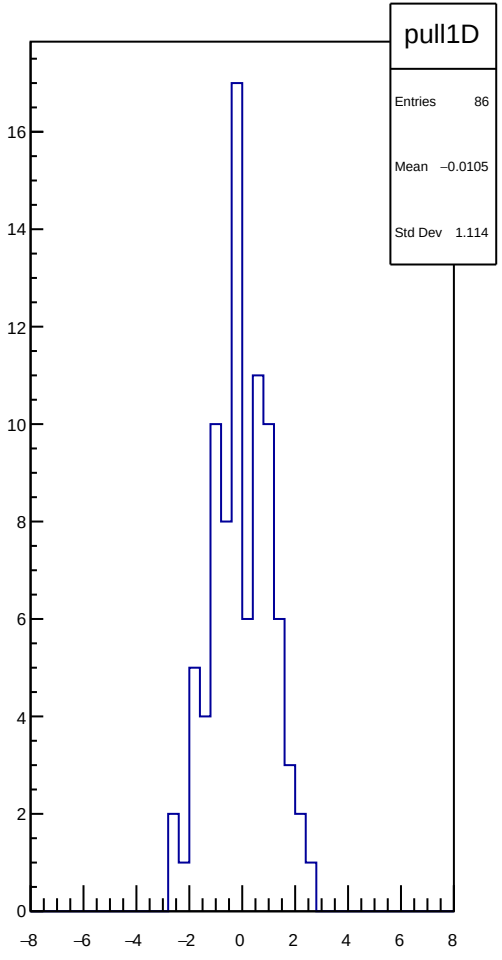

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3.215e+04 / 85
p0 1767 ± 1.376
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

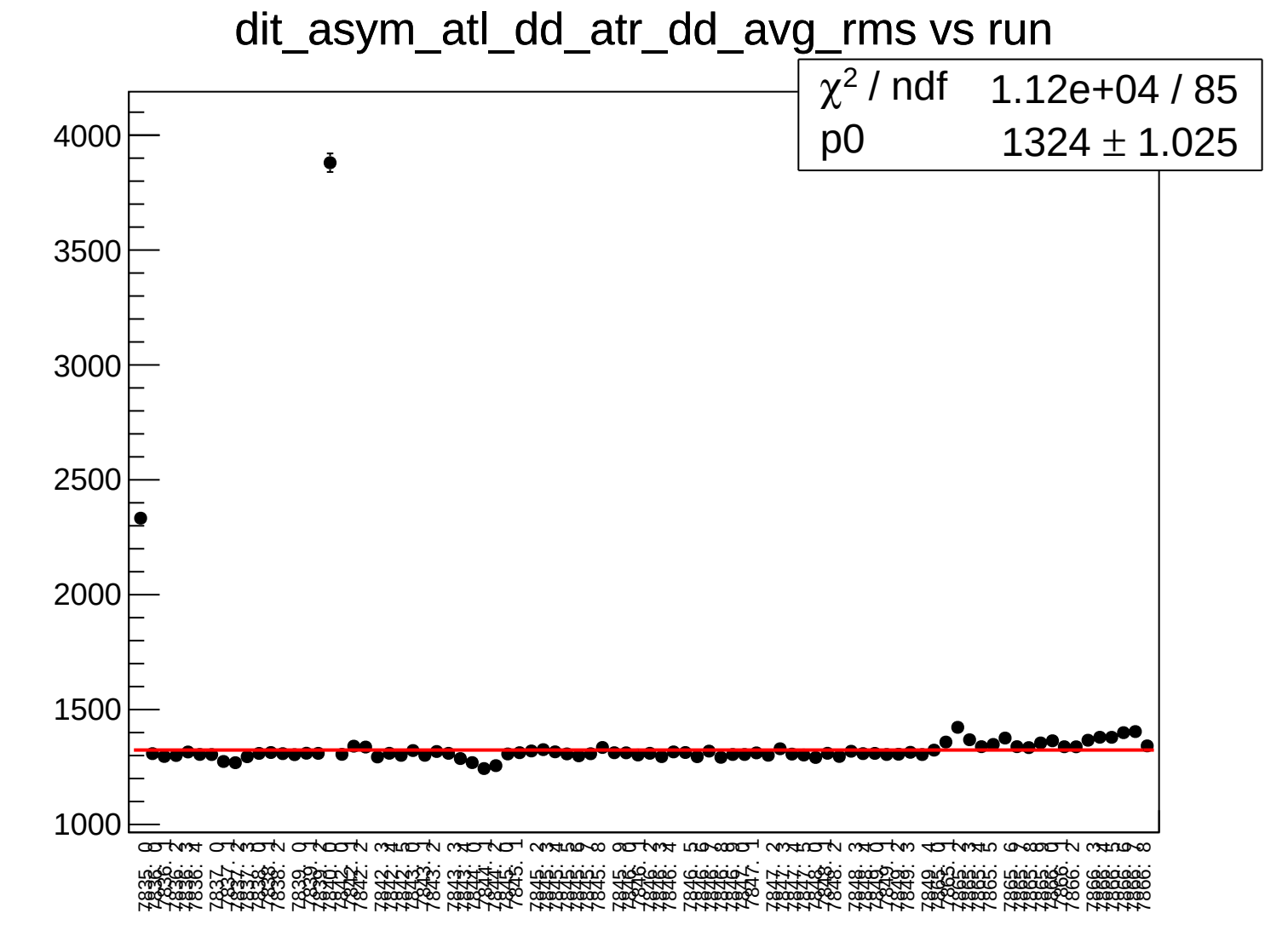

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 85.73 / 85
p0 −3520 ± 2415
pull
Entries 86
Mean −215.4
Std Dev 294.1

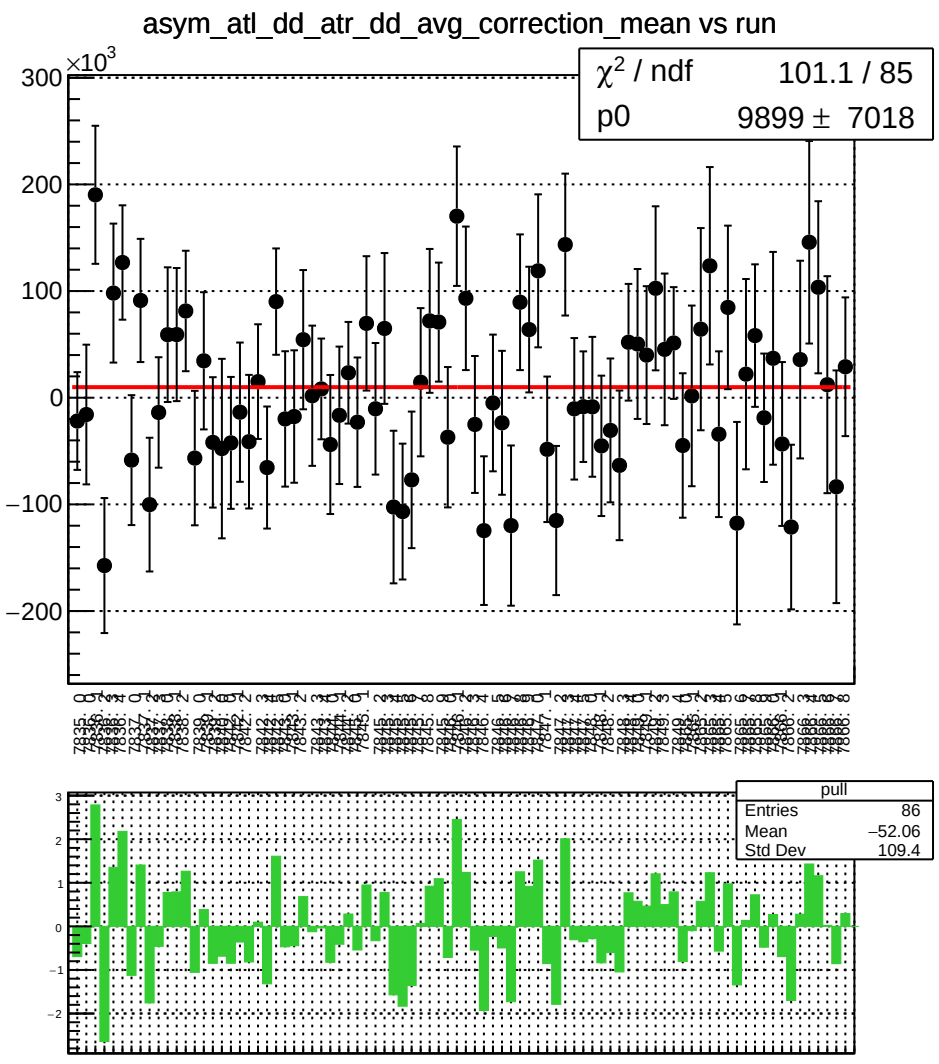

pull1D
Entries 86
Mean 0.002501
Std Dev 0.9984

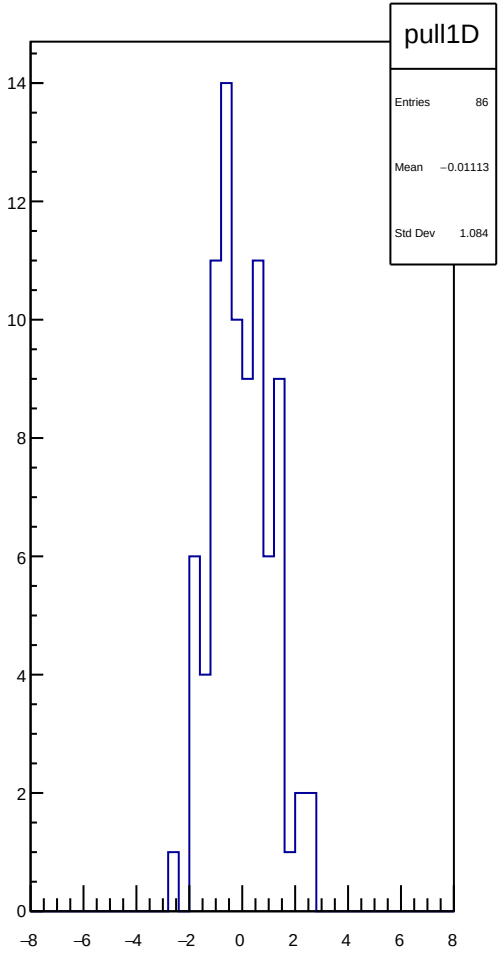

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.142e+04 / 85
p0 2199 ± 1.707
4000
3500
3000
2500
2000

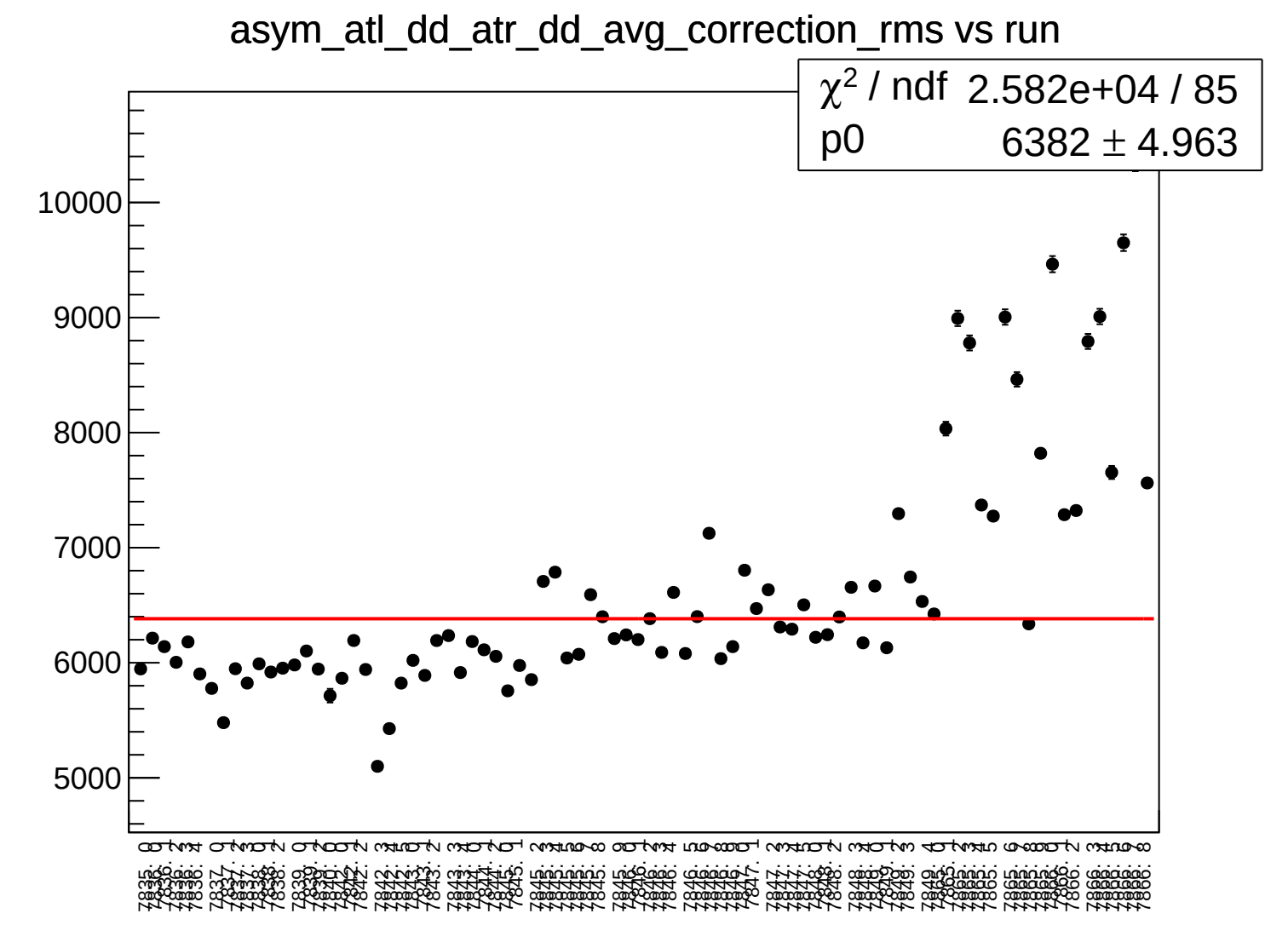

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 106.6 / 85
p0 −409.5 ± 1450
×10³
pull
Entries 86
Mean 43.87
Std Dev 54.29

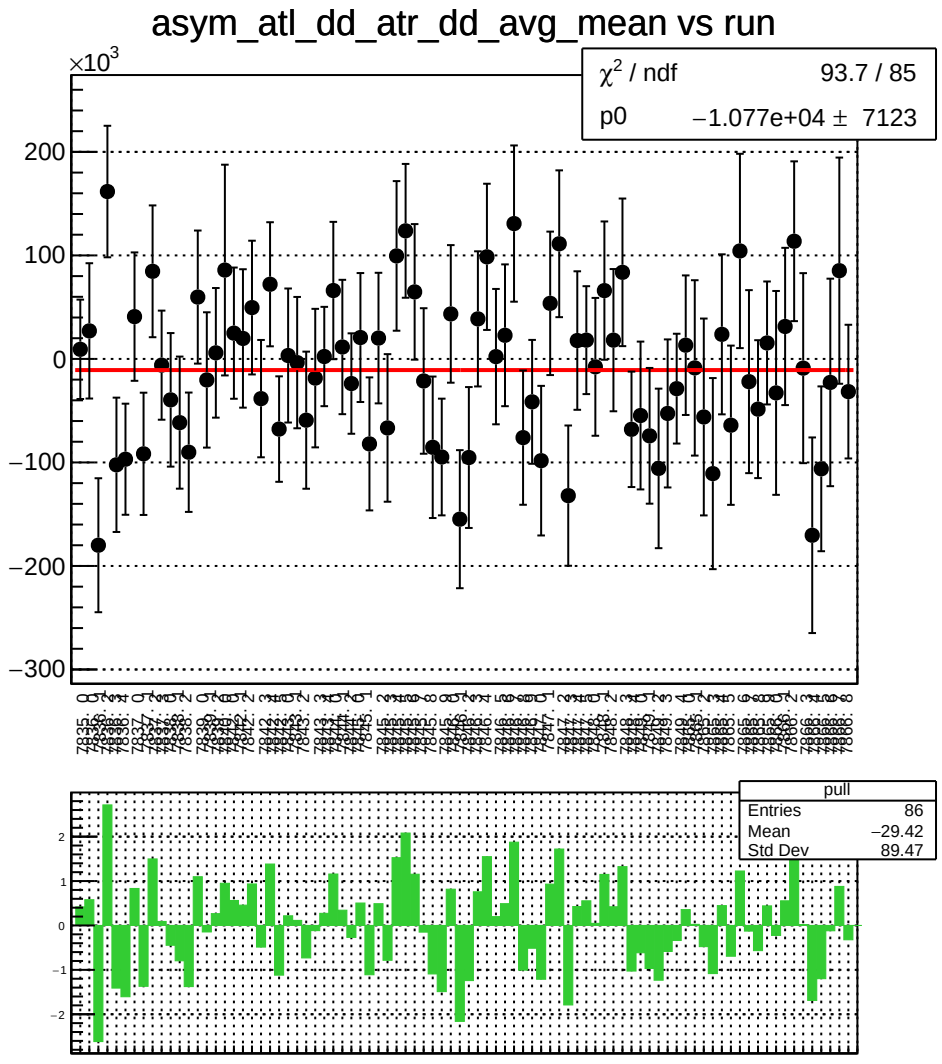

pull1D
Entries 86
Mean −0.0105
Std Dev 1.114

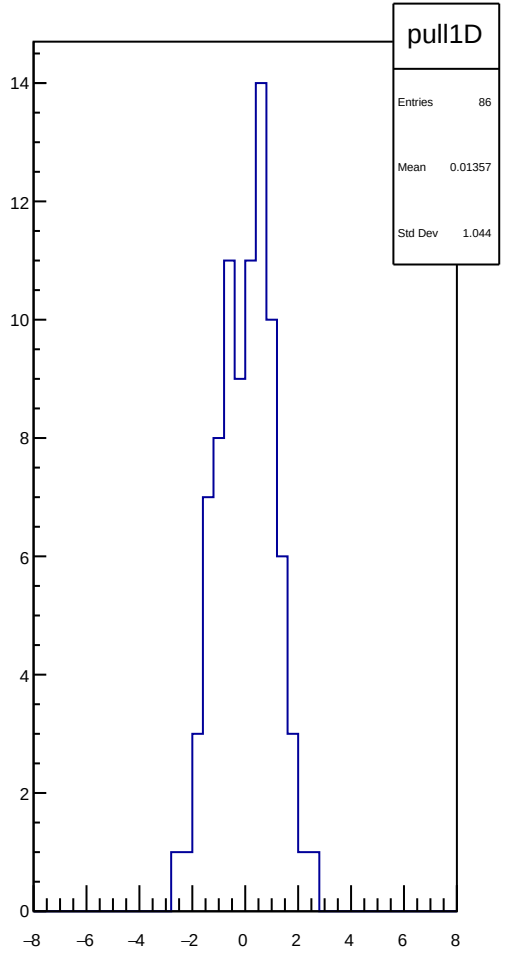

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.12e+04 / 85
p0 1324 ± 1.025
4000
3500
3000
2500
2000
1500
1000

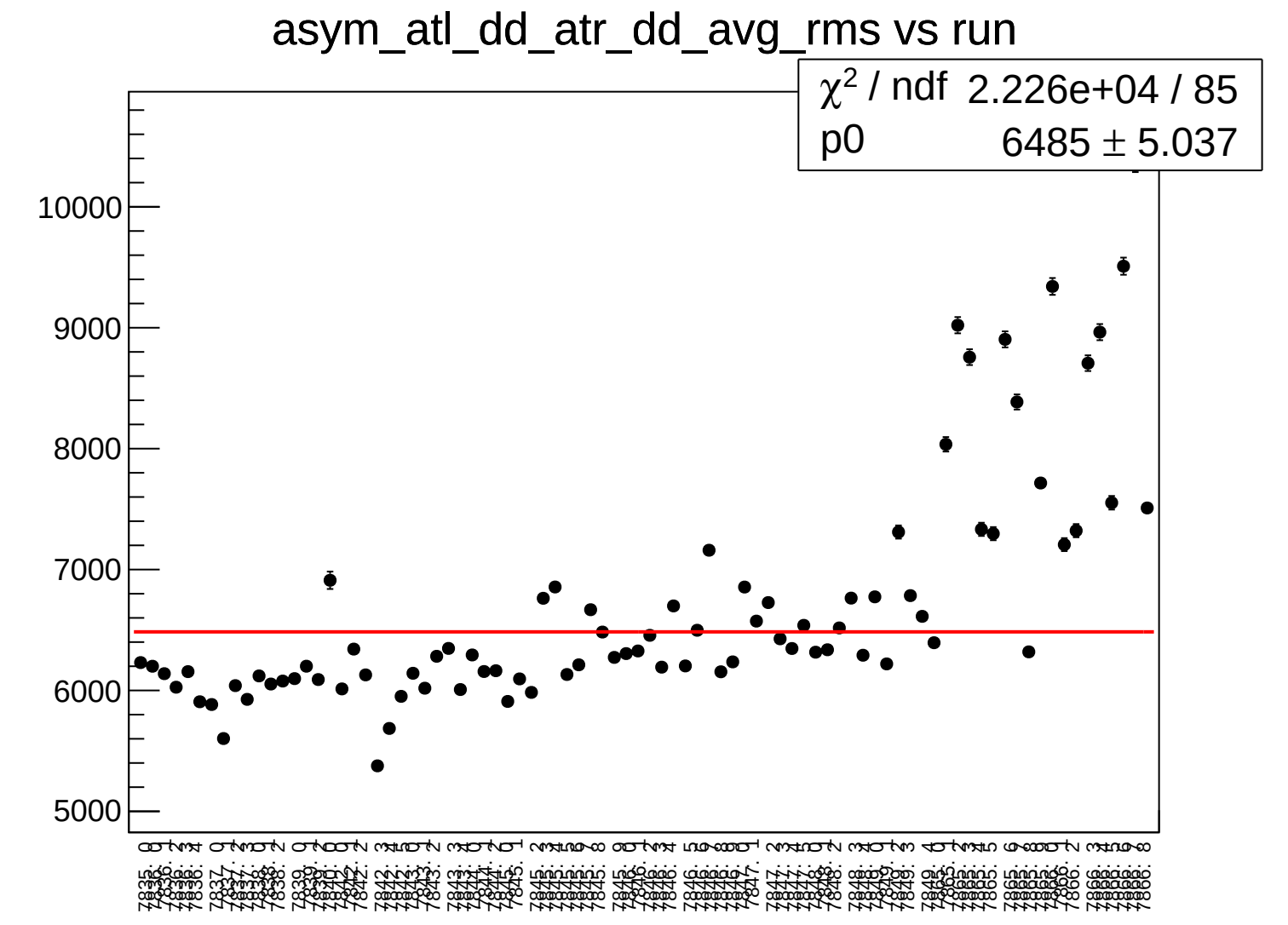

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 101.1 / 85
p0 9899 ± 7018
×10³
pull
Entries 86
Mean −52.06
Std Dev 109.4

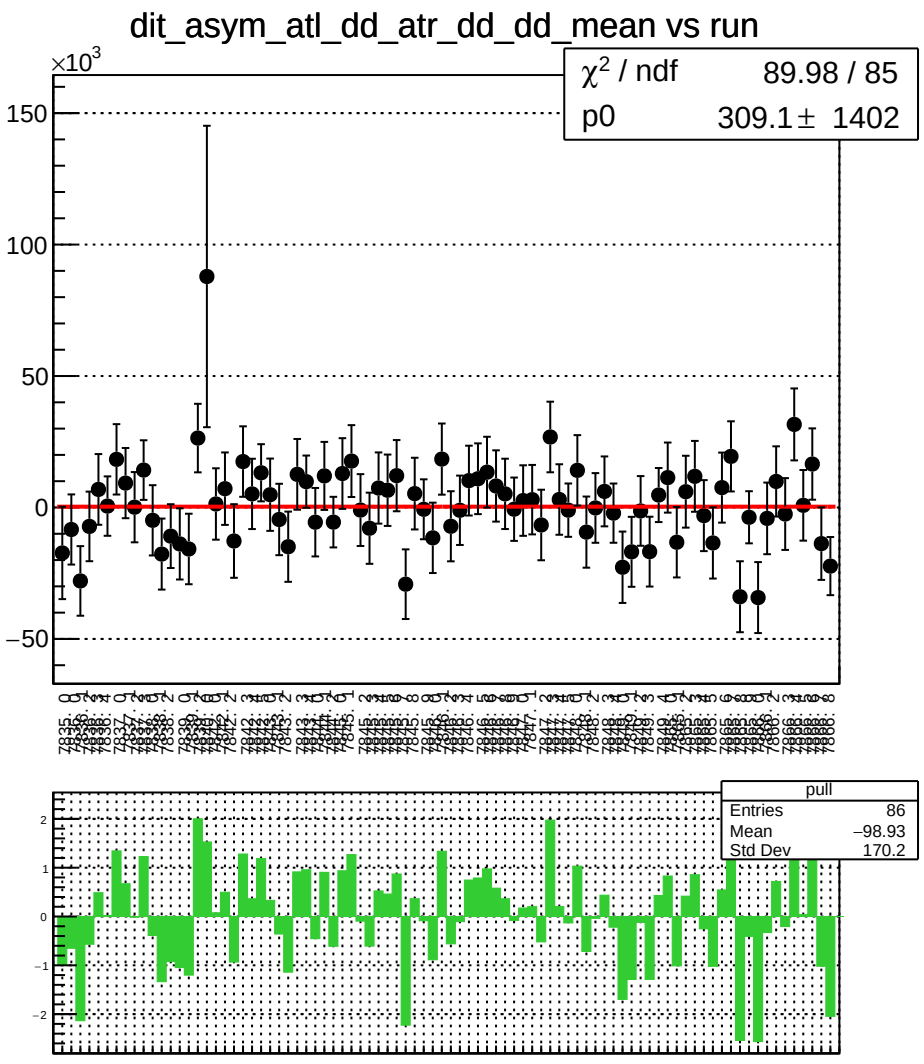

pull1D
Entries 86
Mean −0.01113
Std Dev 1.084

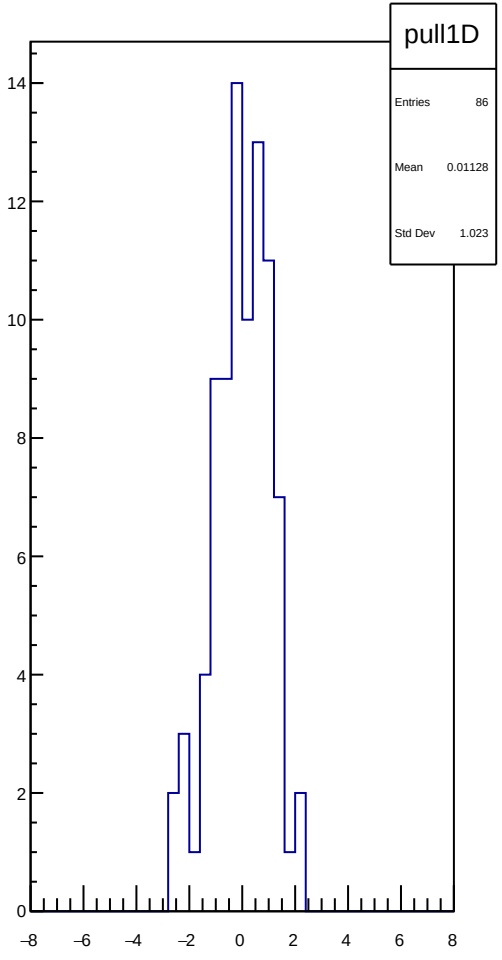

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2.582e+04 / 85
p0 6382 ± 4.963
10000
9000
8000
7000
6000
5000

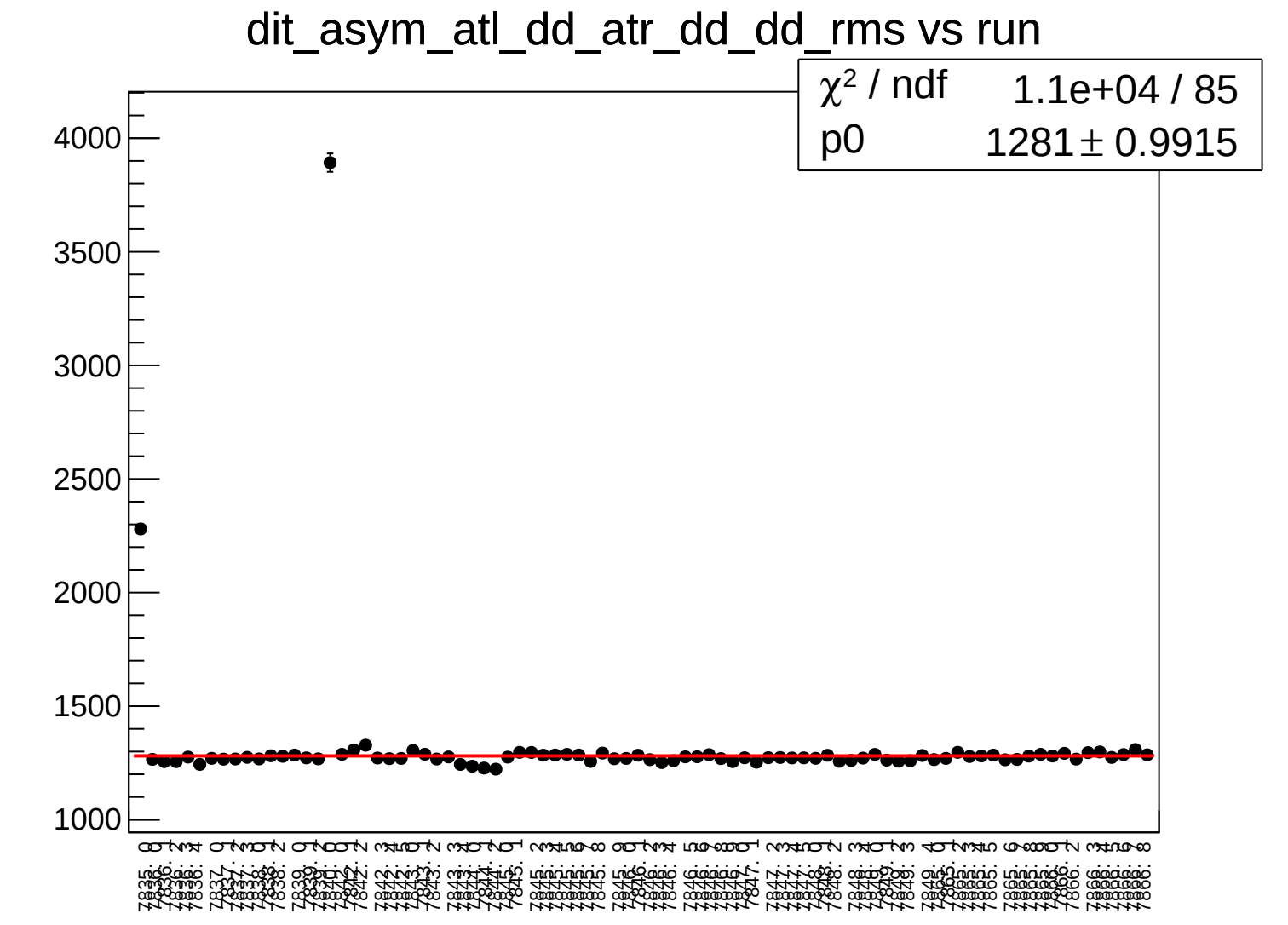

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 93.7 / 85
p0 −1.077e+04 ± 7123
200
100
0
−100
−200
−300
pull
Entries 86
Mean −29.42
Std Dev 89.47
2
1
0
−1
−2

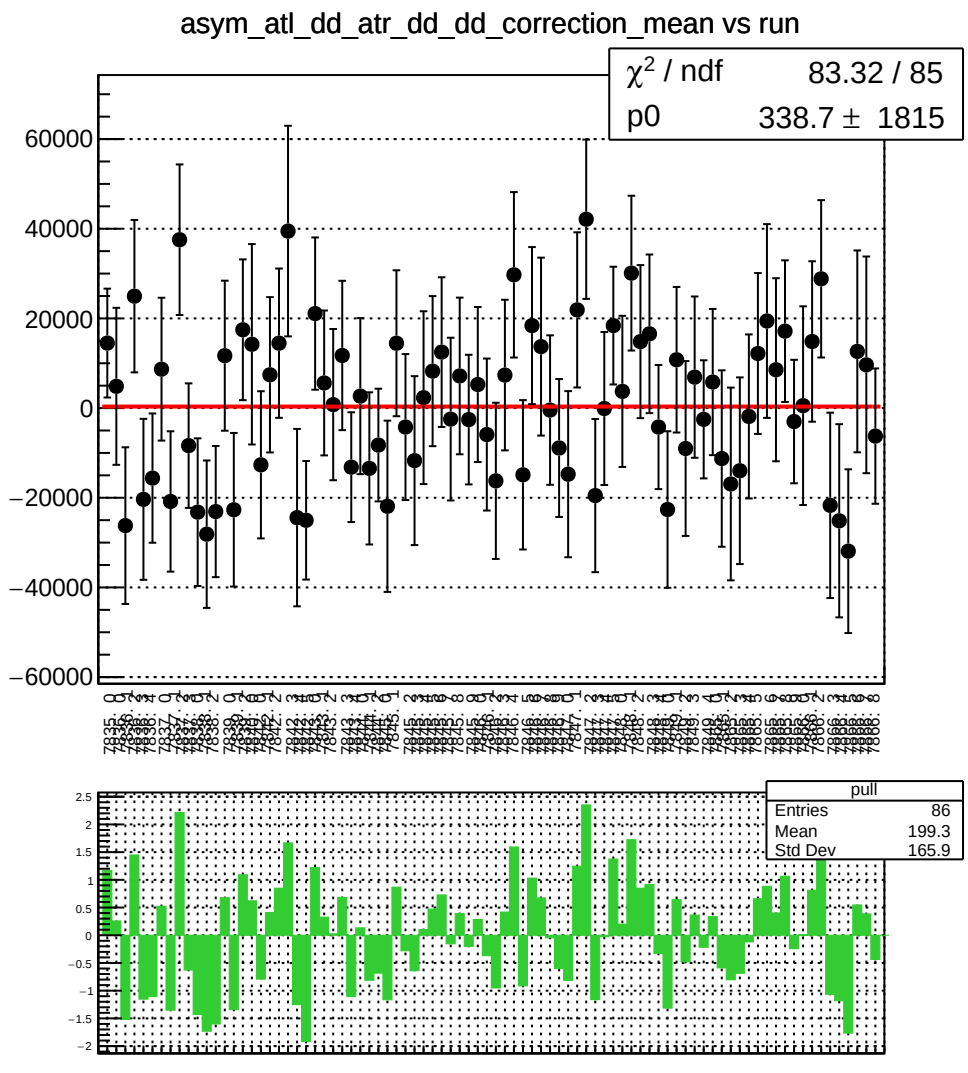

pull1D
Entries 86
Mean 0.01357
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

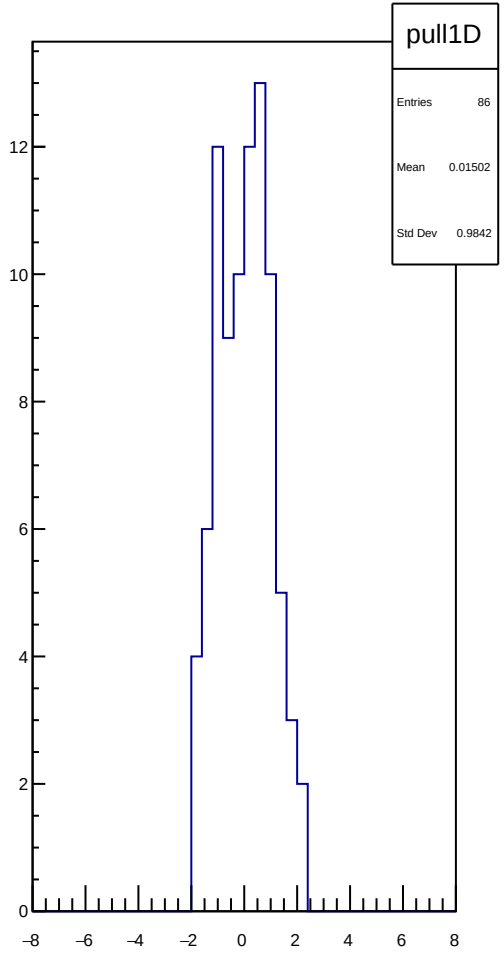

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.226e+04 / 85
p0 6485 ± 5.037
10000
9000
8000
7000
6000
5000

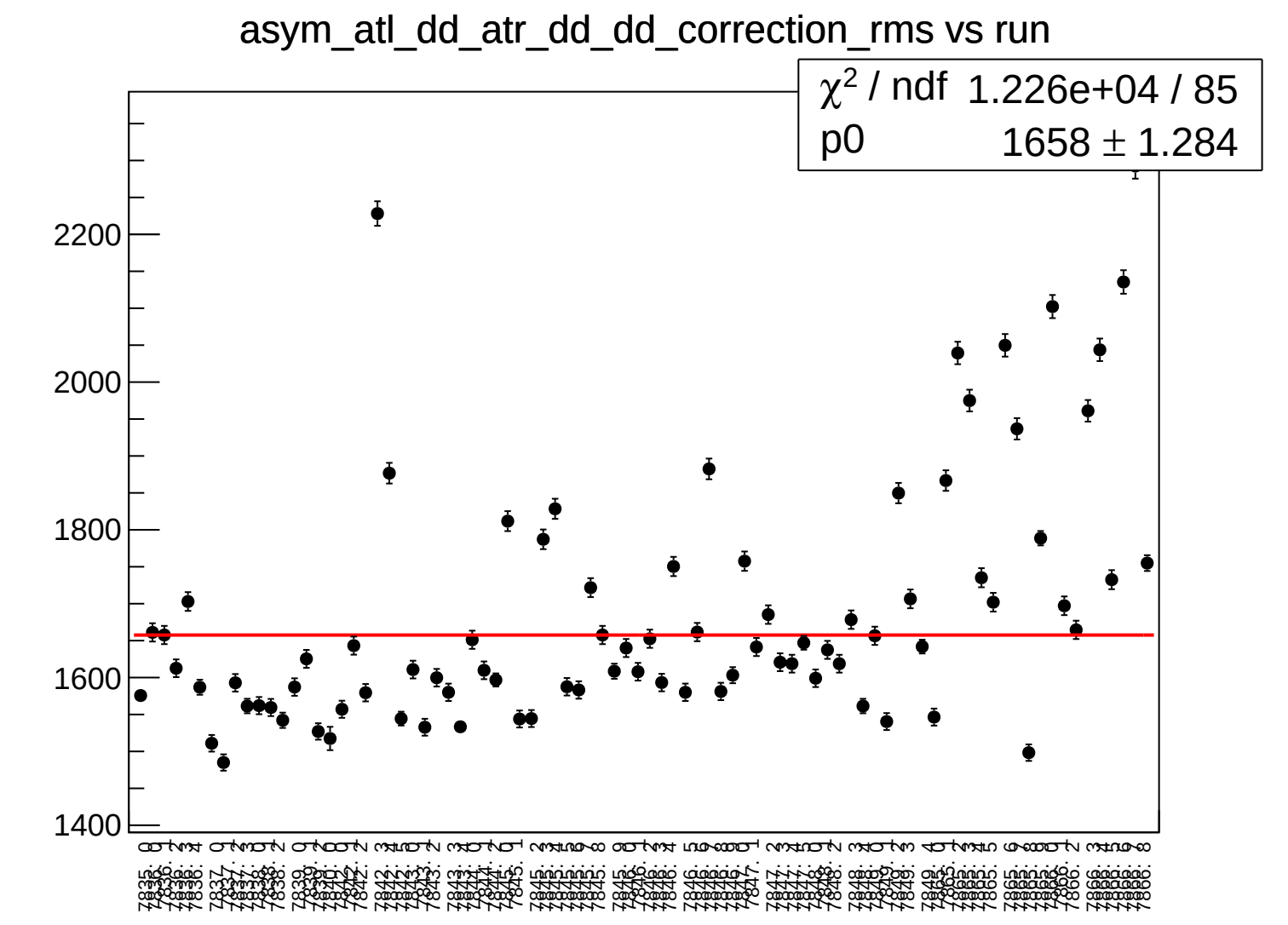

dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 89.98 / 85
p0 309.1 ± 1402
150
100
50
0
−50
pull
Entries 86
Mean −98.93
Std Dev 170.2
2
1
0
−1
−2

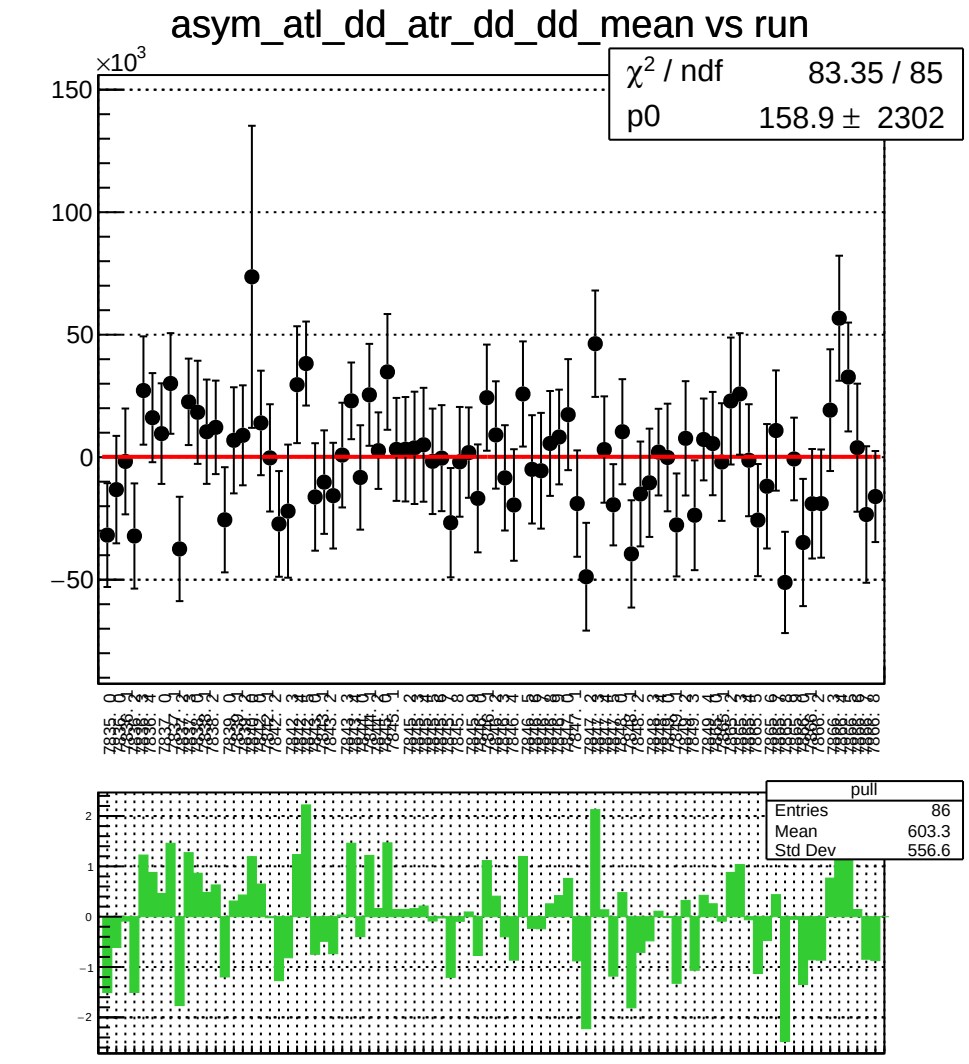

pull1D
Entries 86
Mean 0.01128
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

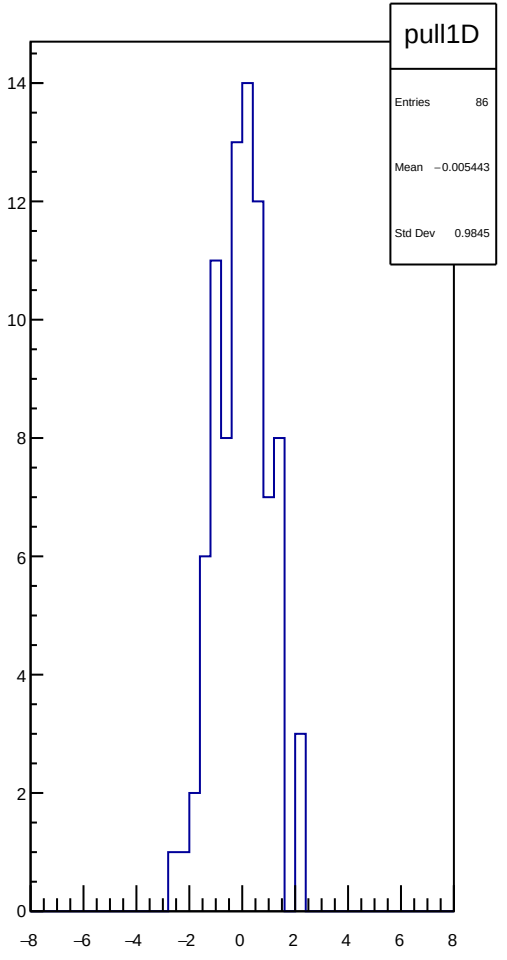

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.1e+04 / 85
p0 1281 ± 0.9915
4000
3500
3000
2500
2000
1500
1000

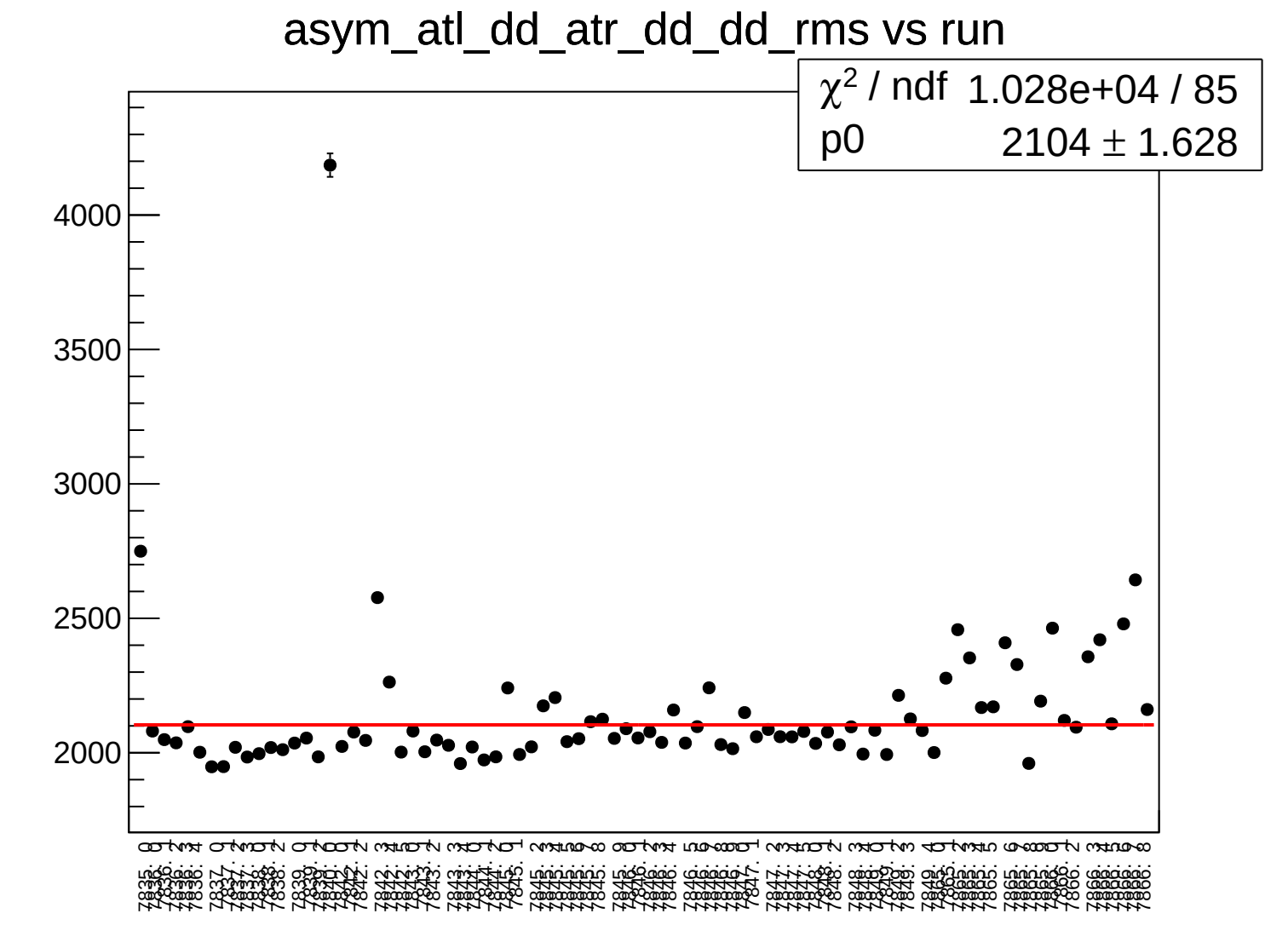

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 83.32 / 85
p0 338.7 ± 1815
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 199.3
Std Dev 165.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

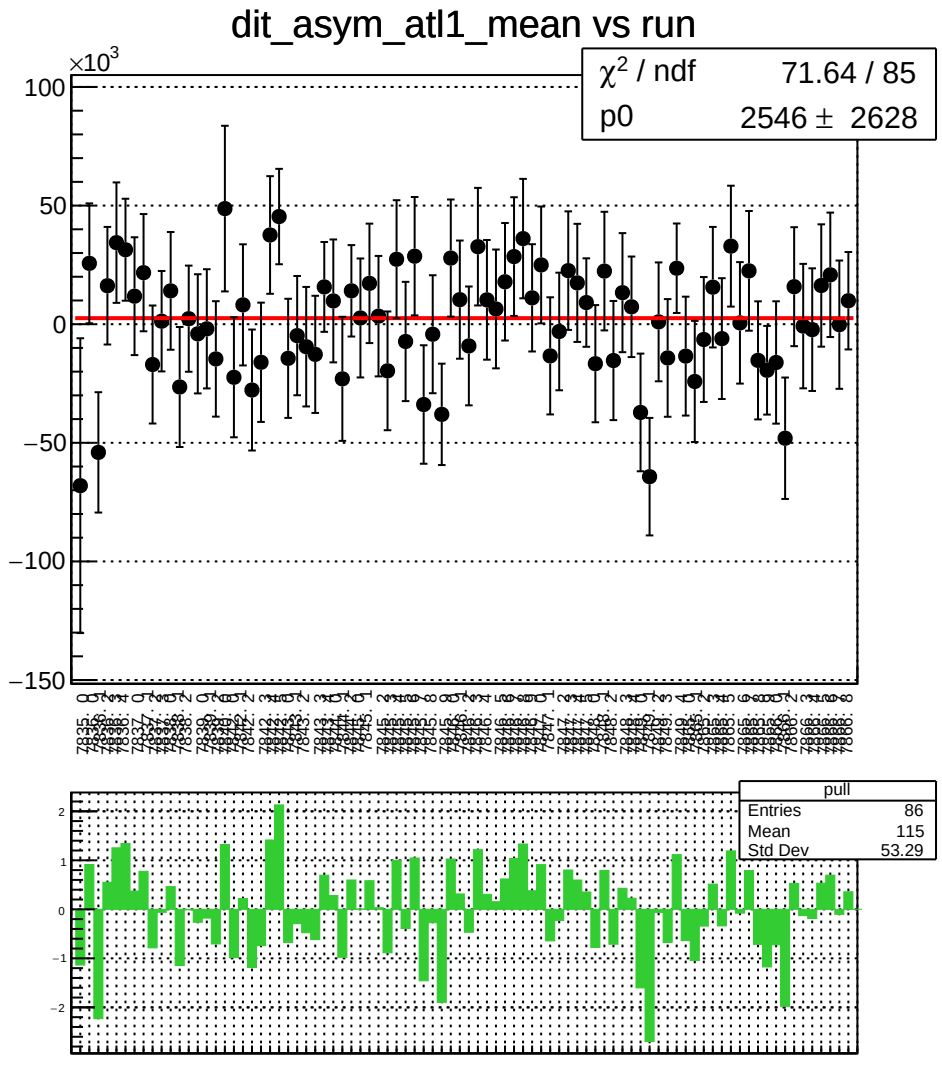

pull1D
Entries 86
Mean 0.01502
Std Dev 0.9842
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

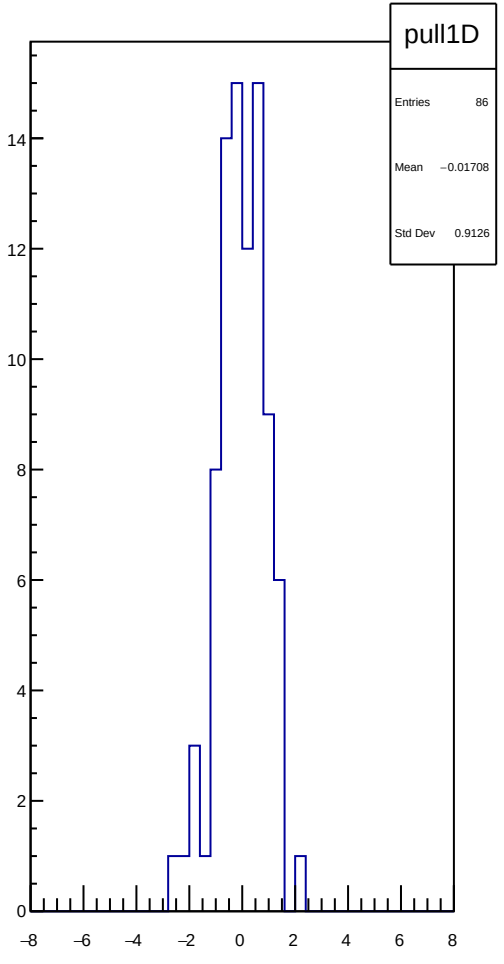

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.226e+04 / 85
p0 1658 ± 1.284
2200
2000
1800
1600
1400

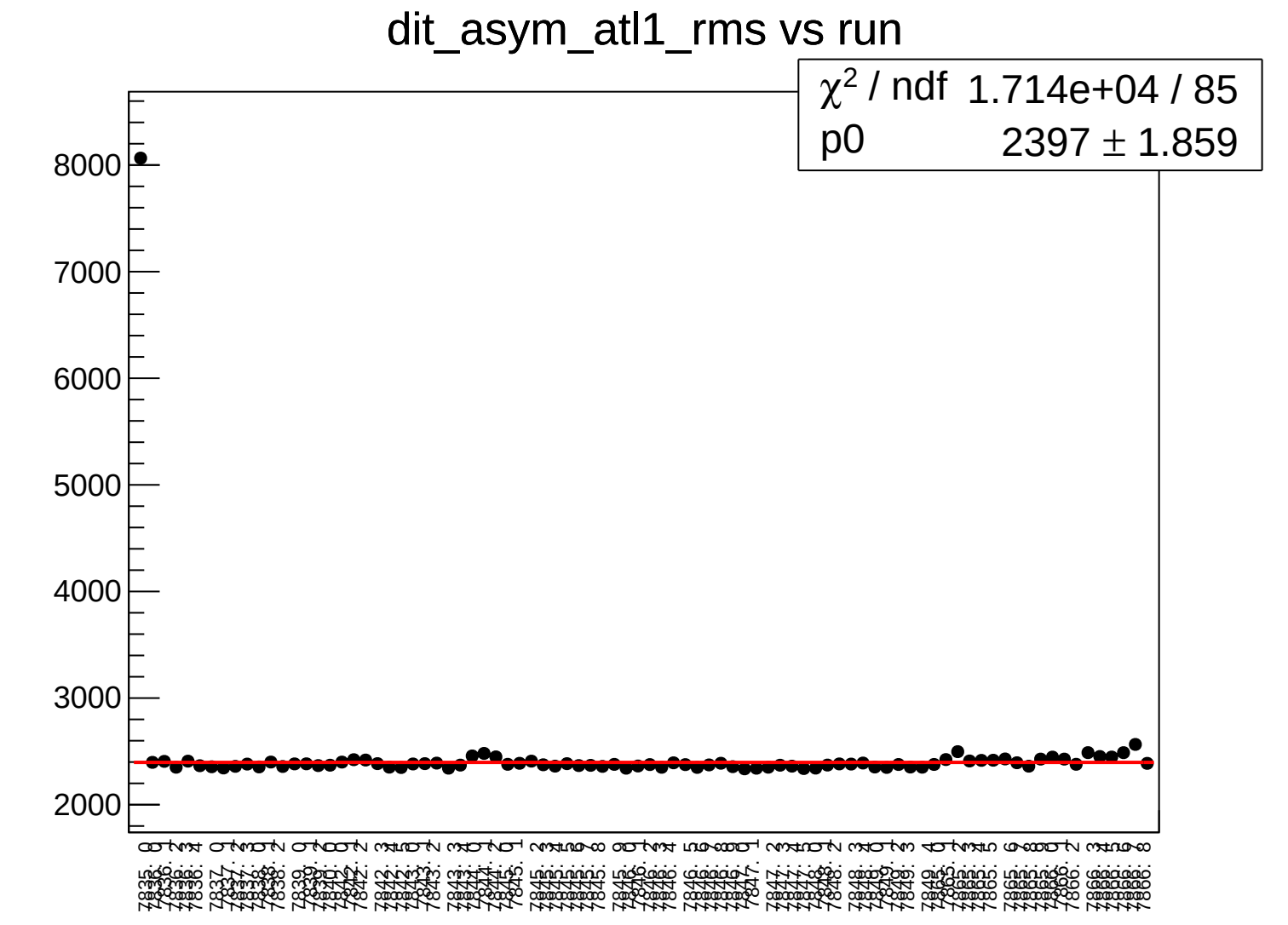

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 83.35 / 85
p0 158.9 ± 2302
150
100
50
0
−50
pull
Entries 86
Mean 603.3
Std Dev 556.6
2
1
0
−1
−2

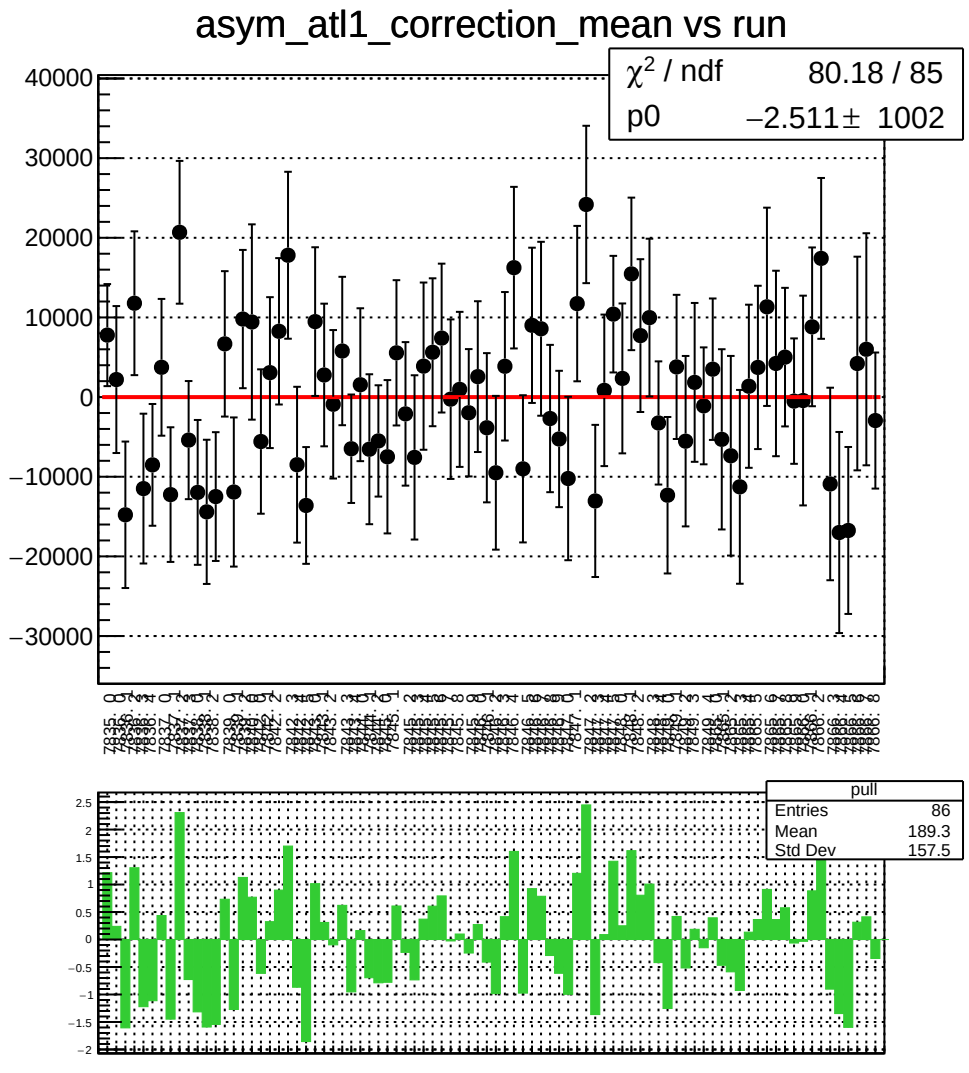

pull1D
Entries 86
Mean −0.005443
Std Dev 0.9845
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

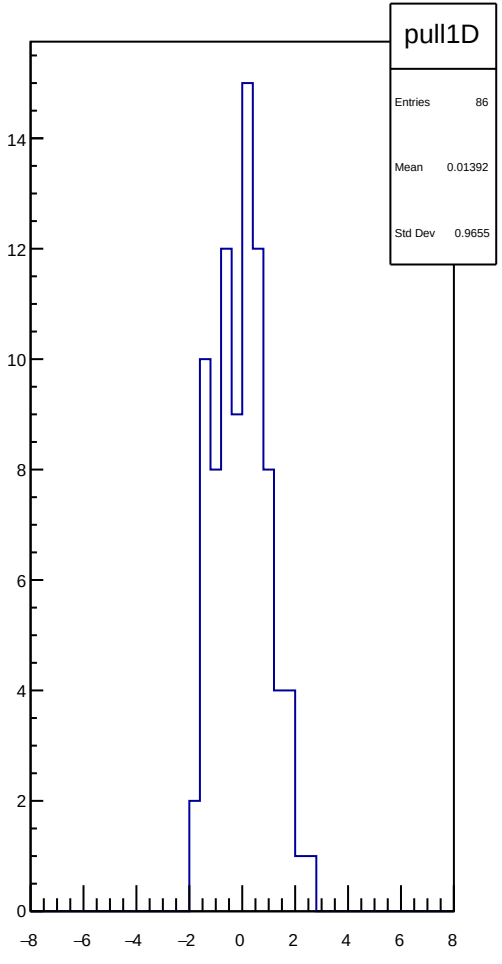

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.028e+04 / 85
p0 2104 ± 1.628
4000
3500
3000
2500
2000

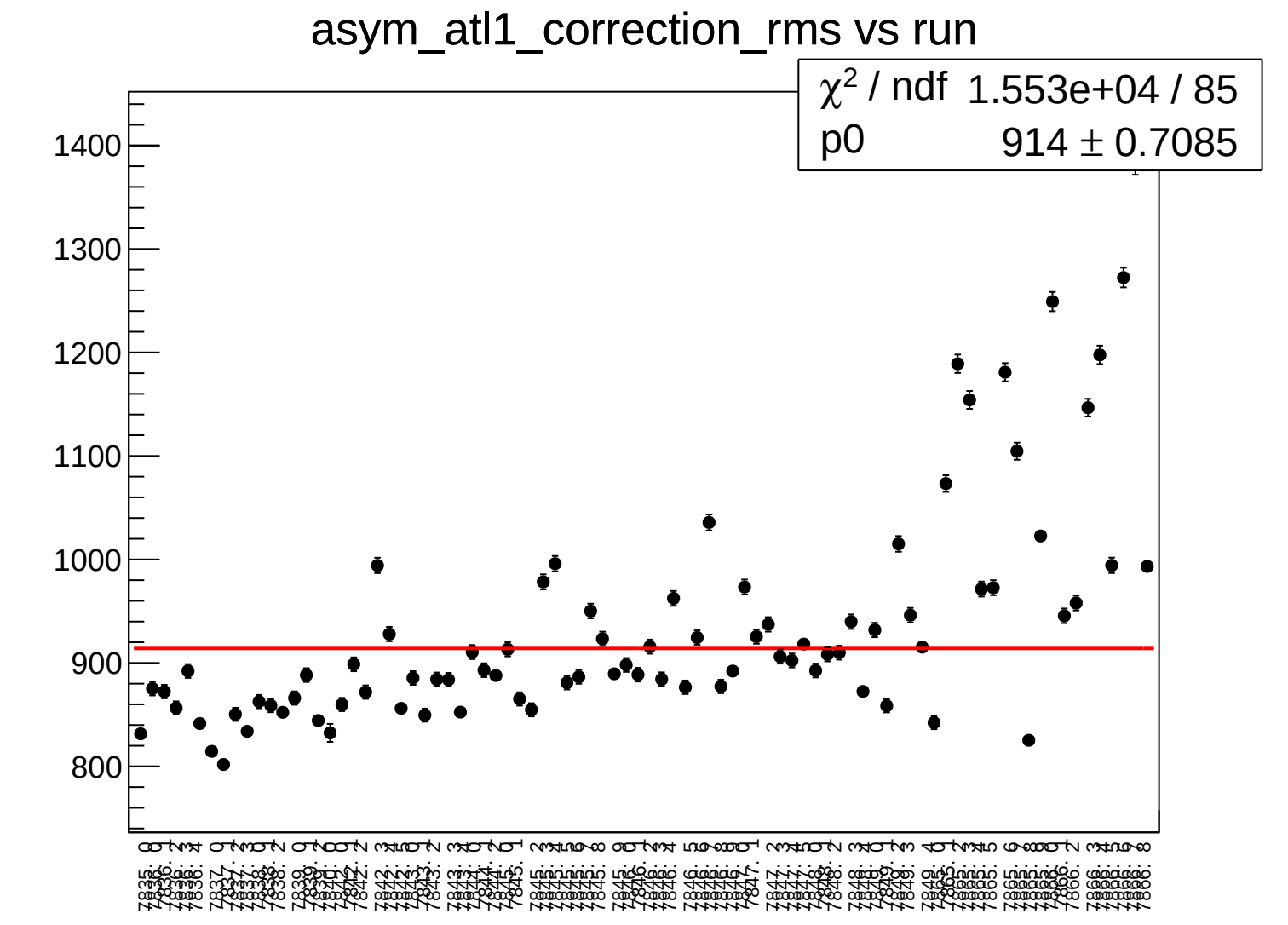

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 71.64 / 85
p0 2546 ± 2628
pull
Entries 86
Mean 115
Std Dev 53.29

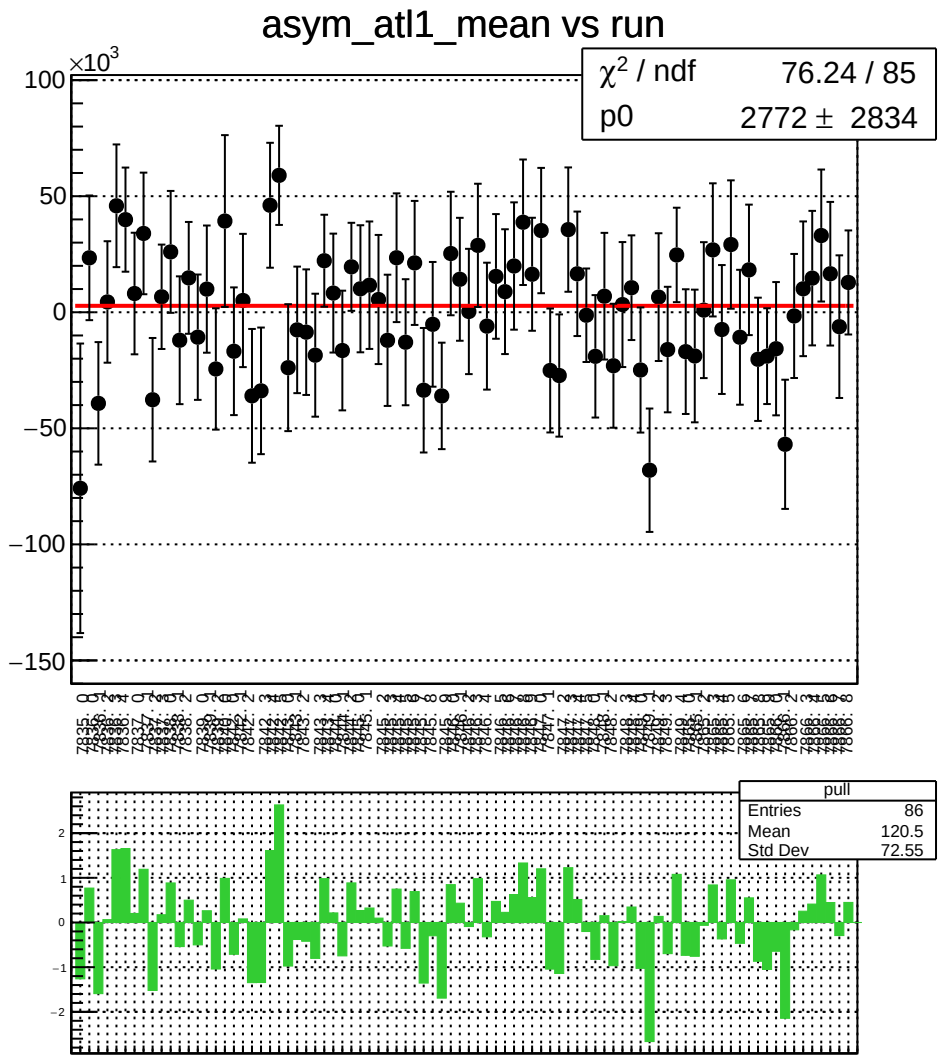

pull1D
Entries 86
Mean −0.01708
Std Dev 0.9126

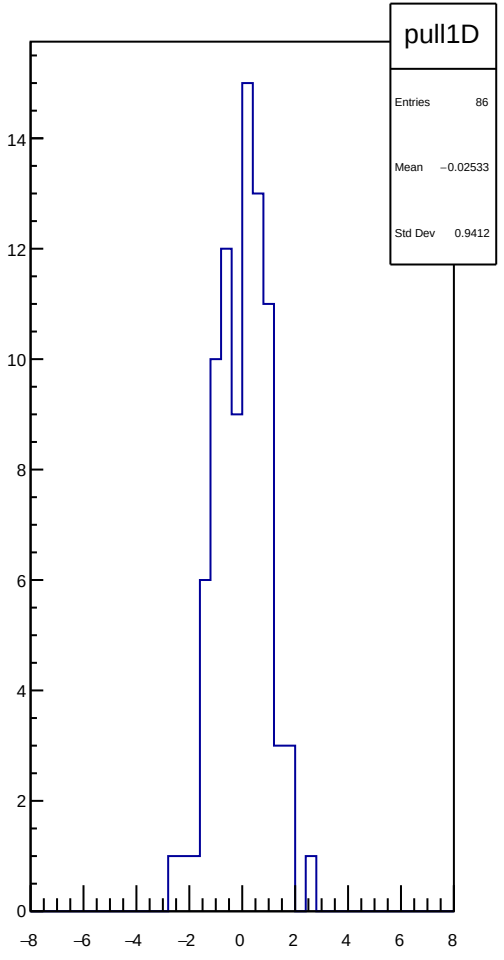

dit_asym_atl1_rms vs run
χ^2 / ndf 1.714e+04 / 85
p0 2397 ± 1.859
8000
7000
6000
5000
4000
3000
2000

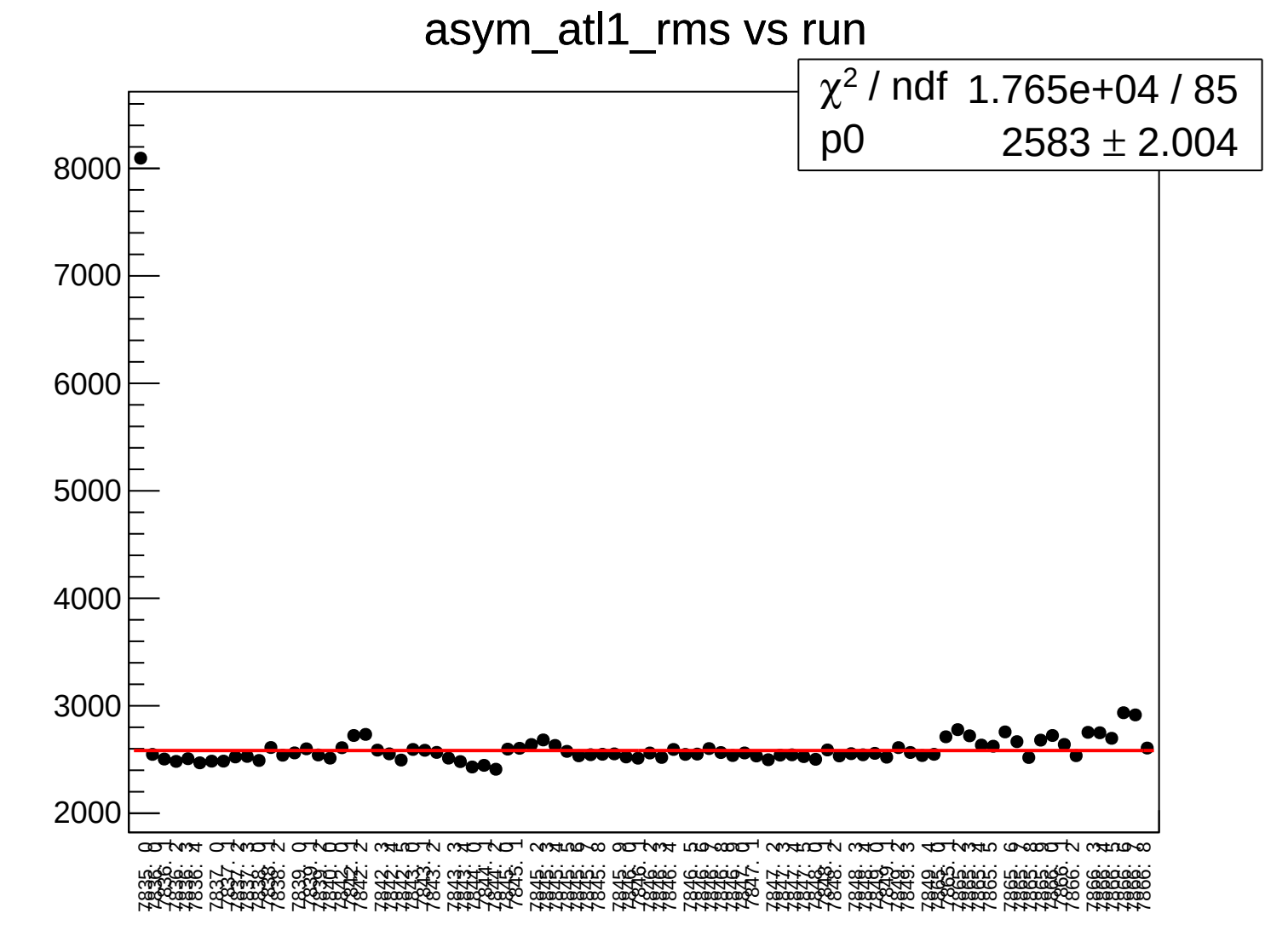

asym_atl1_correction_mean vs run
χ² / ndf 80.18 / 85
p0 −2.511± 1002
pull
Entries 86
Mean 189.3
Std Dev 157.5

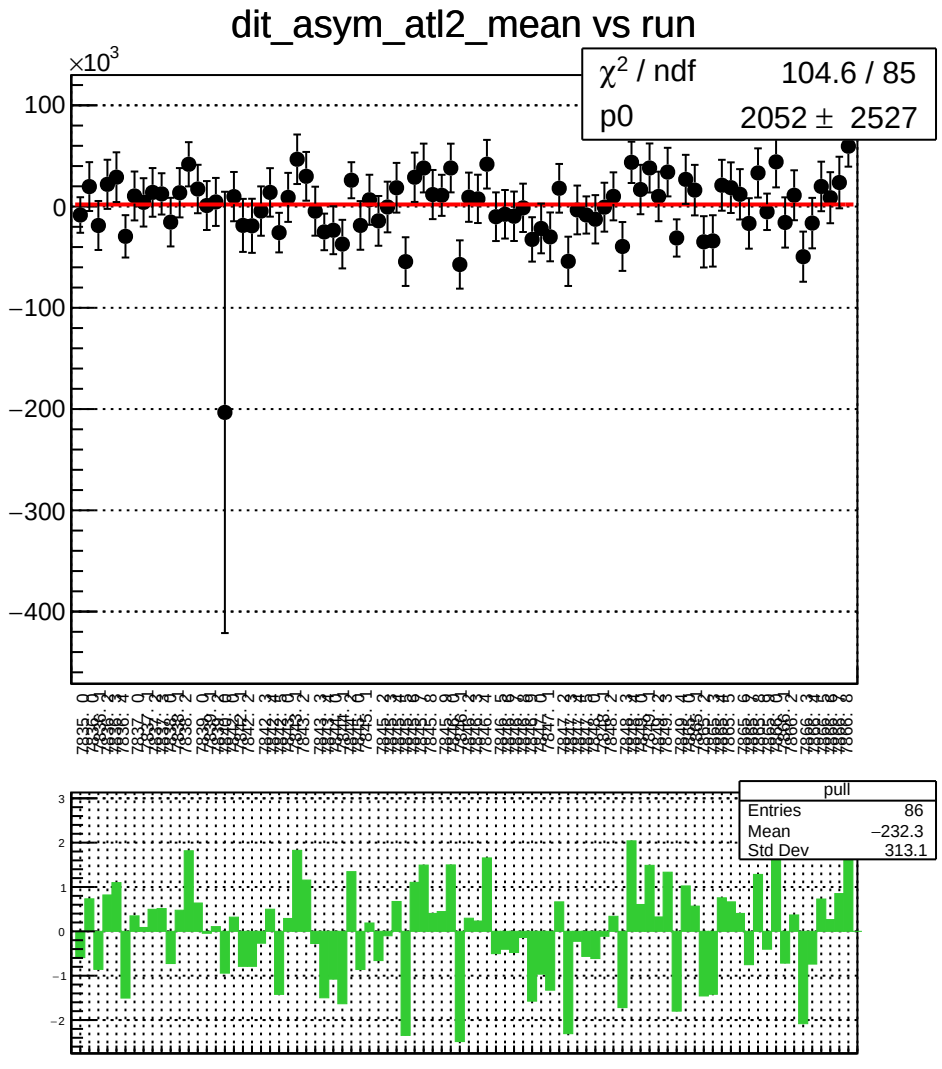

pull1D
Entries 86
Mean 0.01392
Std Dev 0.9655

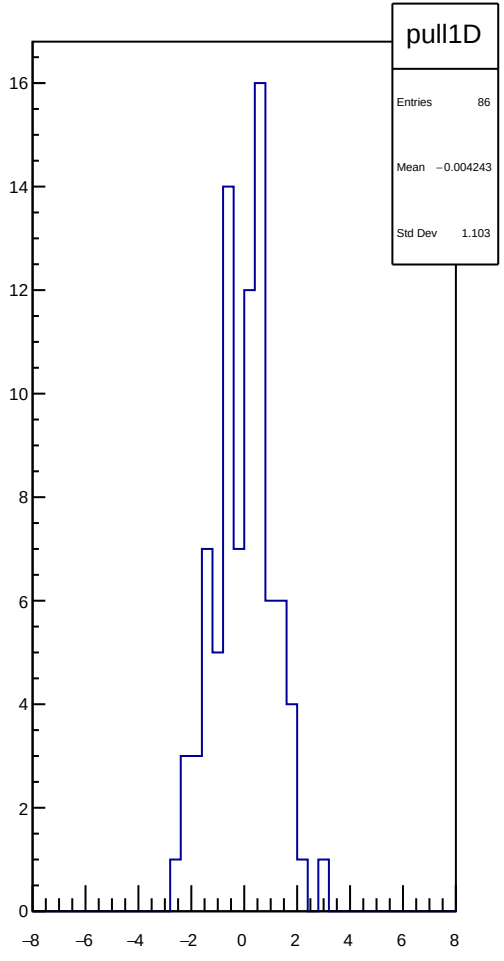

asym_atl1_correction_rms vs run
χ² / ndf 1.553e+04 / 85
p0 914 ± 0.7085
1400
1300
1200
1100
1000
900
800

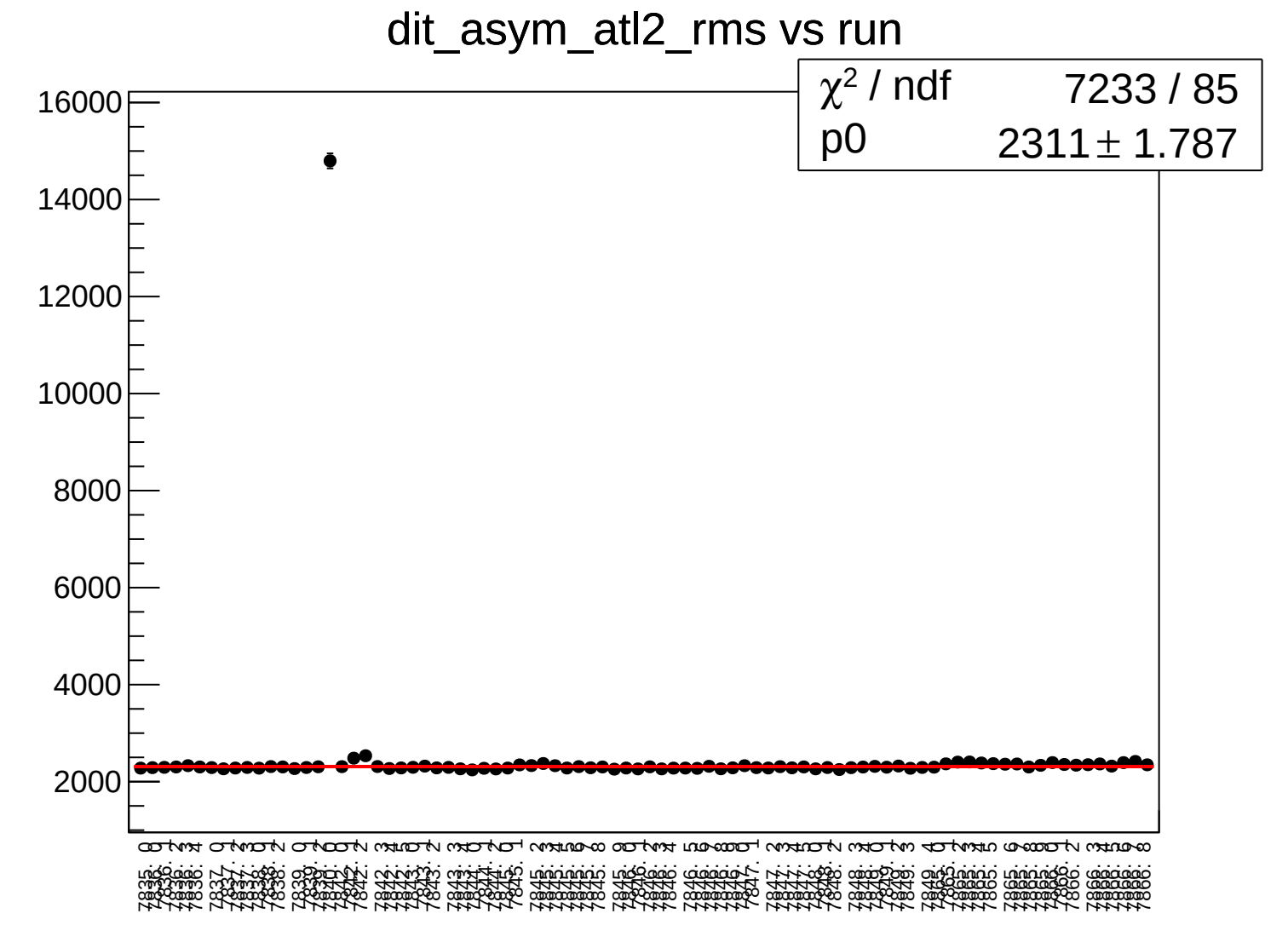

asym_atl1_mean vs run
×10^3
χ² / ndf 76.24 / 85
p0 2772 ± 2834
pull
Entries 86
Mean 120.5
Std Dev 72.55

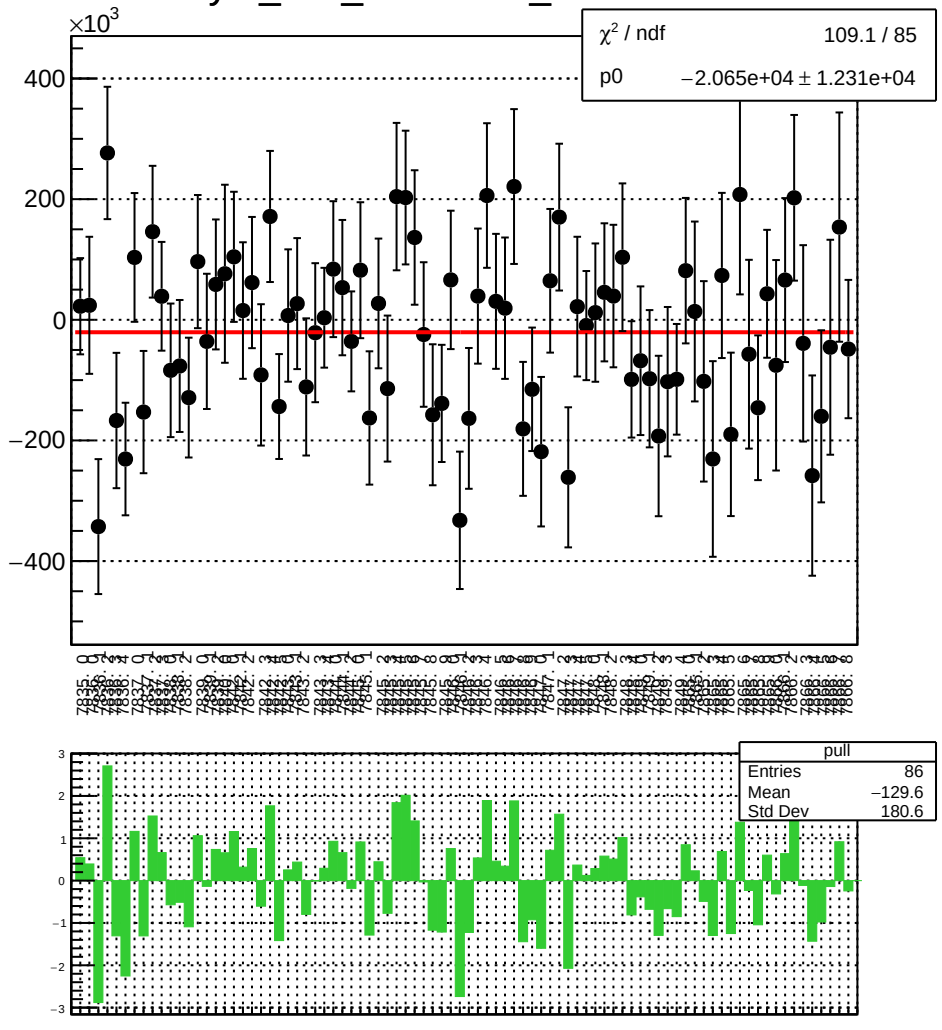

pull1D
Entries 86
Mean −0.02533
Std Dev 0.9412

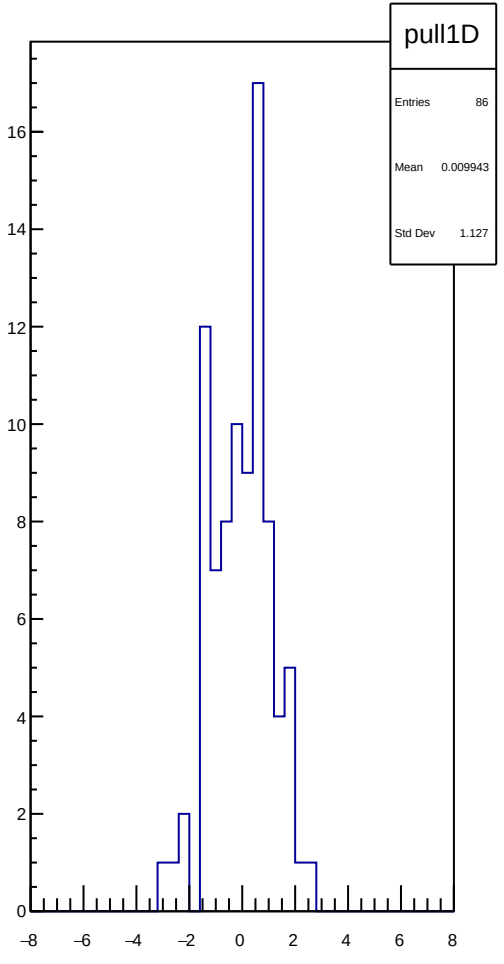

asym_atl1_rms vs run
χ^2 / ndf 1.765e+04 / 85
p0 2583 ± 2.004
8000
7000
6000
5000
4000
3000
2000

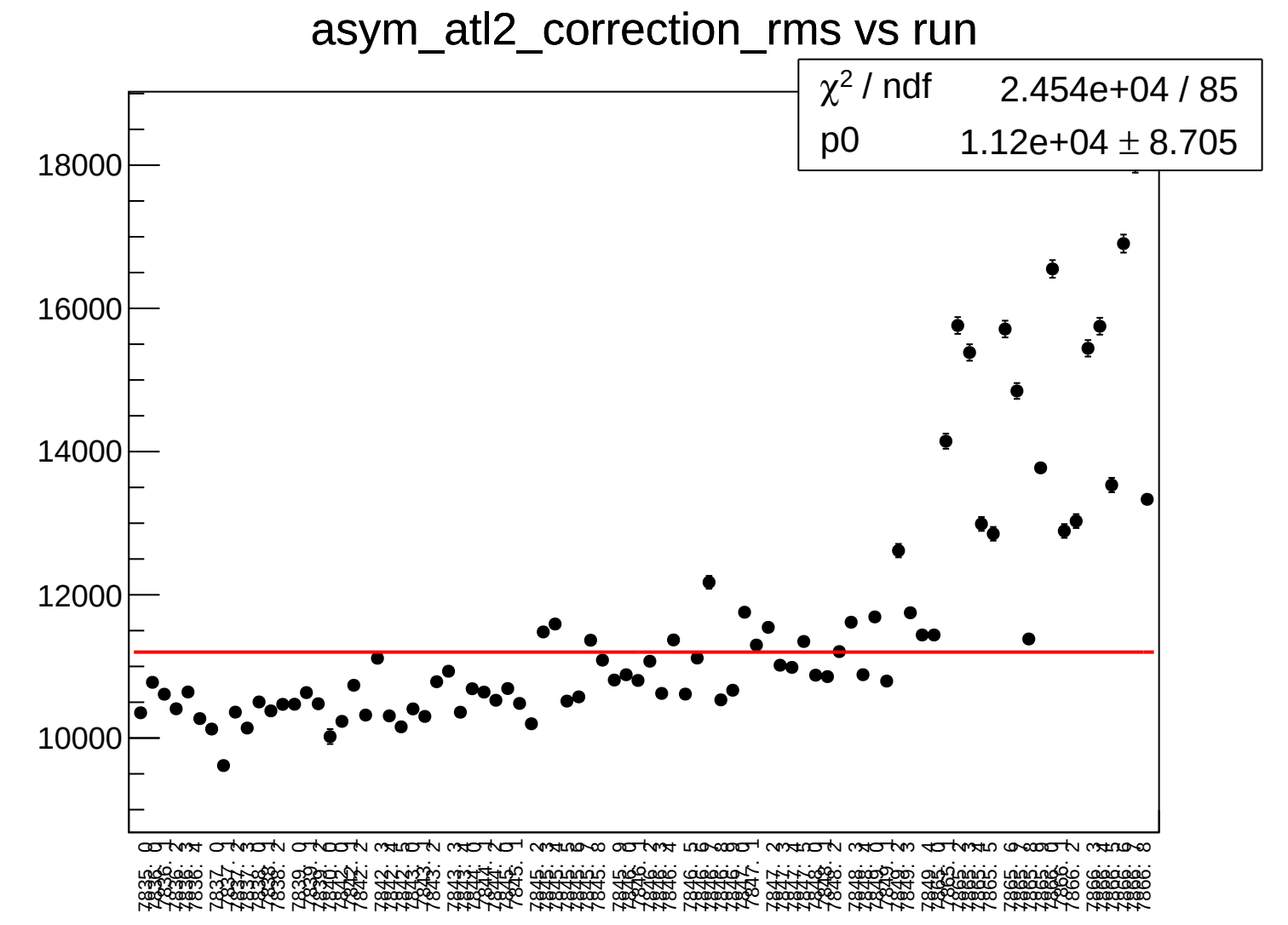

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 104.6 / 85
p0 2052 ± 2527
100
0
−100
−200
−300
−400
pull
Entries 86
Mean −232.3
Std Dev 313.1
3
2
1
0
−1
−2

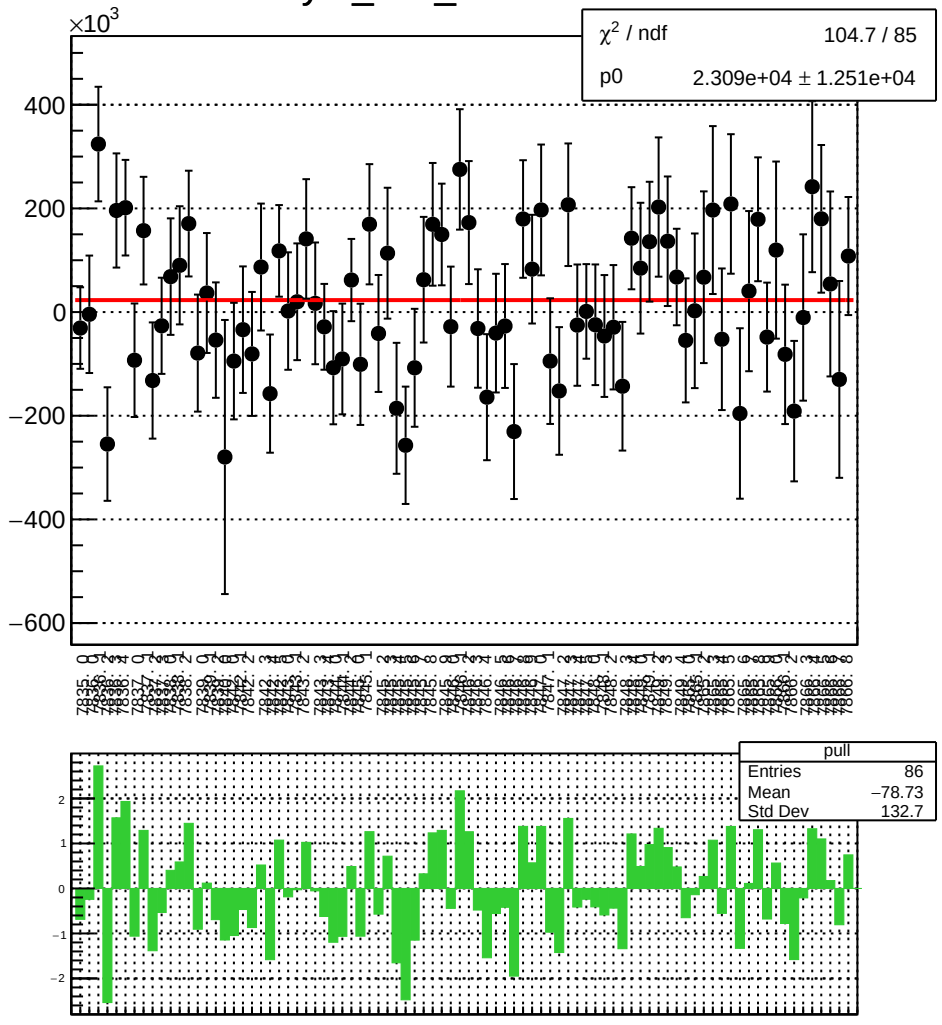

pull1D
Entries 86
Mean −0.004243
Std Dev 1.103
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

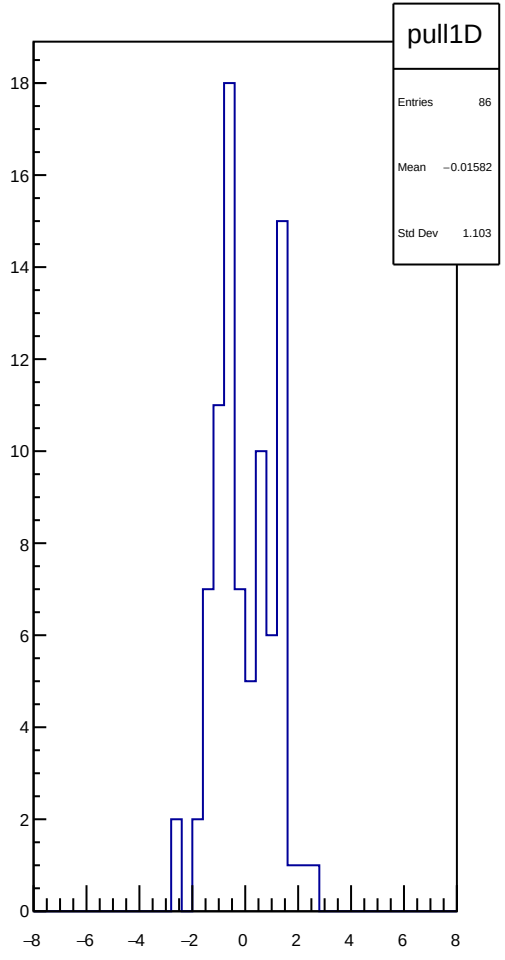

dit_asym_atl2_rms vs run
χ² / ndf 7233 / 85
p0 2311 ± 1.787
16000
14000
12000
10000
8000
6000
4000
2000

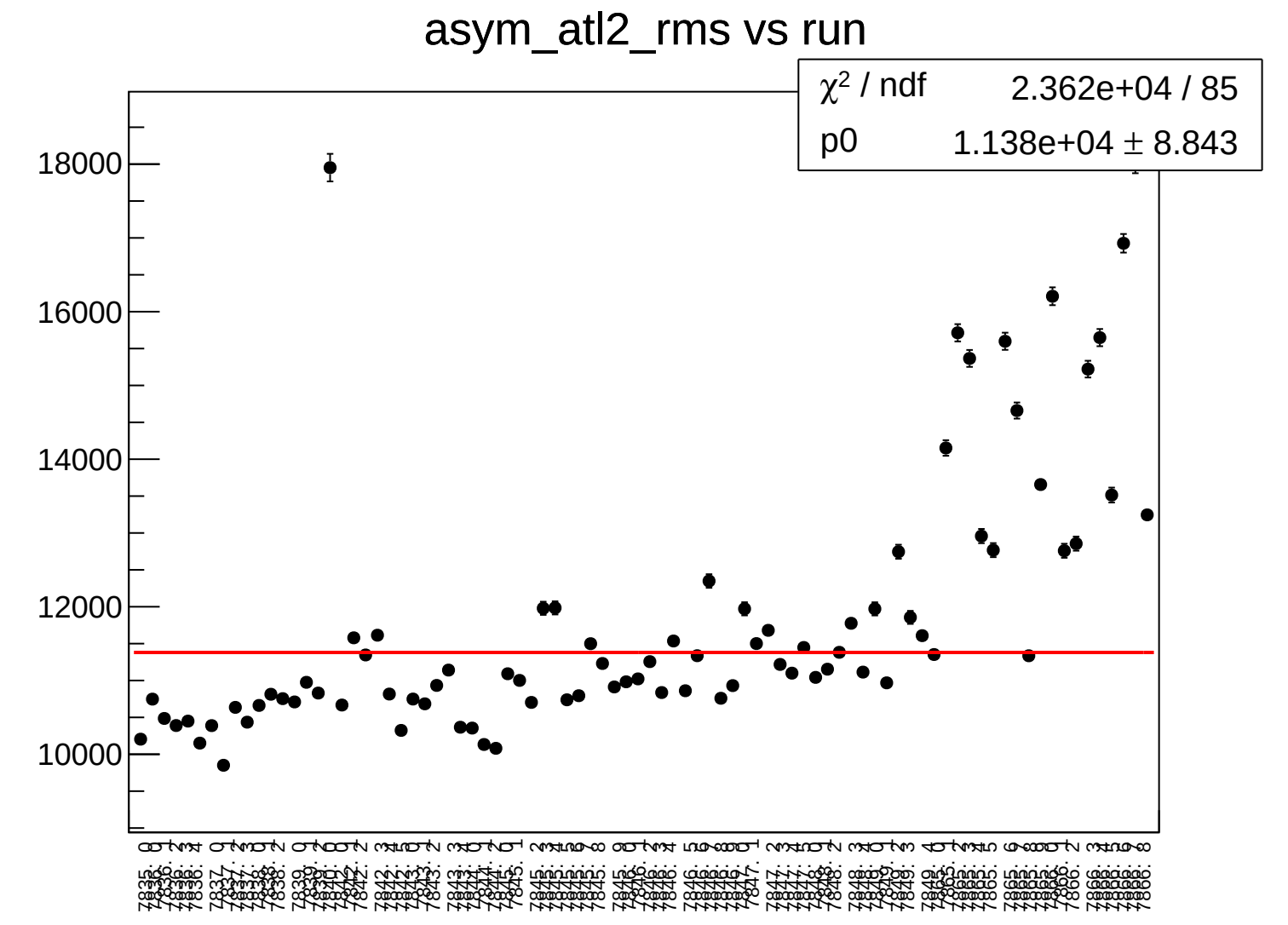

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 109.1 / 85
p0 −2.065e+04 ± 1.231e+04
400
200
0
−200
−400
pull
Entries 86
Mean −129.6
Std Dev 180.6
3
2
1
0
−1
−2
−3

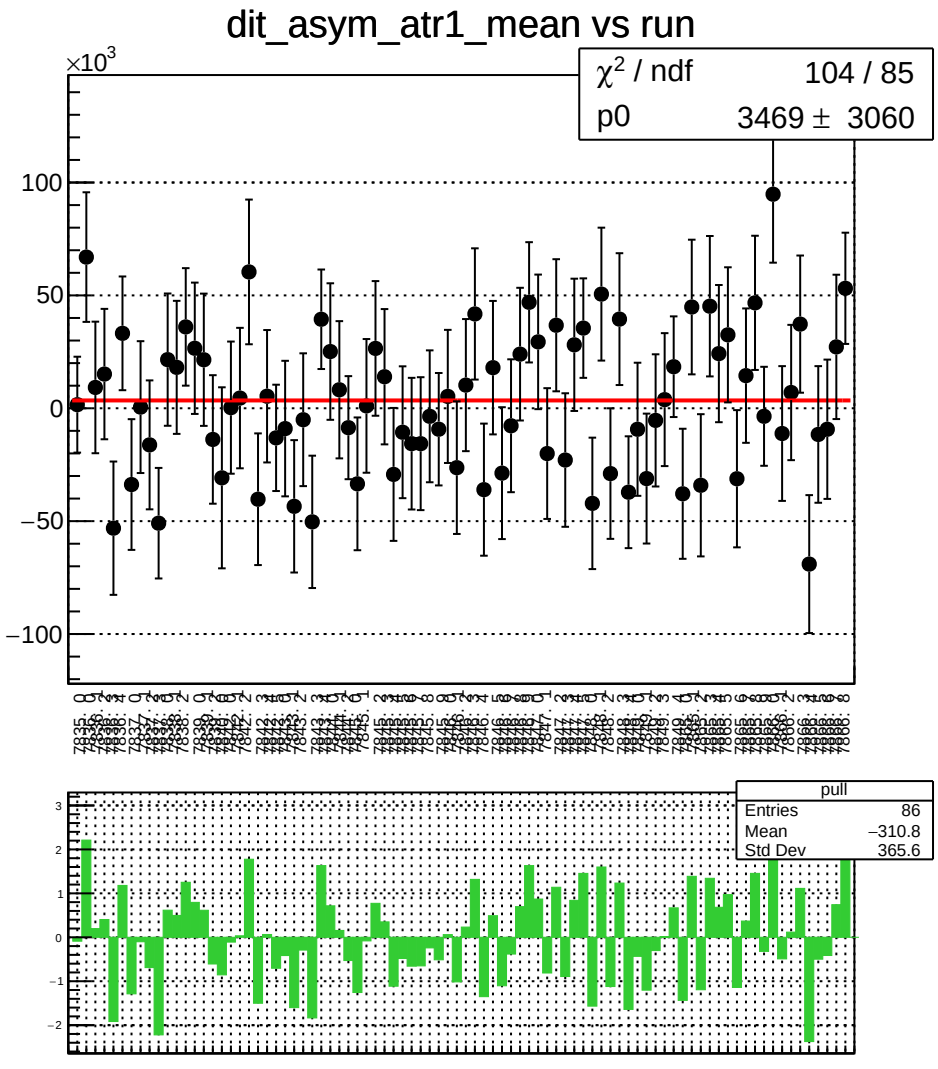

pull1D
Entries 86
Mean 0.009943
Std Dev 1.127
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

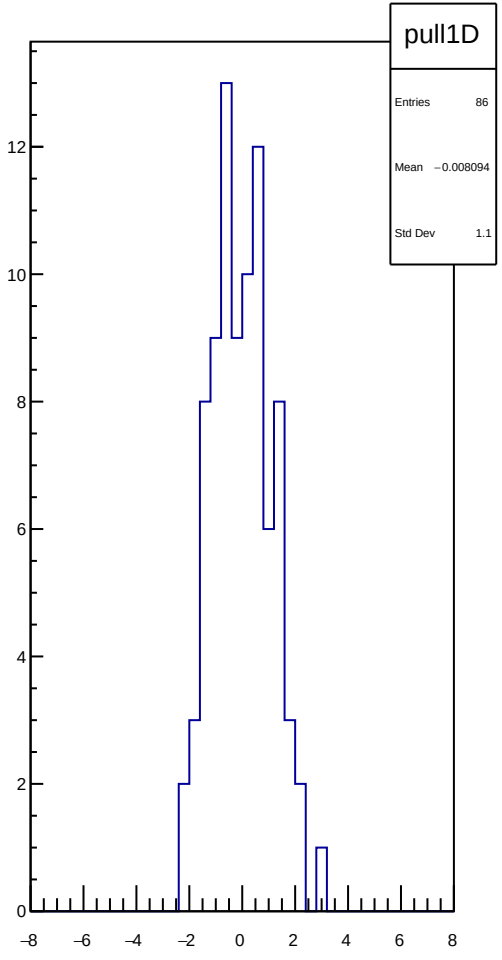

asym_atl2_correction_rms vs run
χ² / ndf 2.454e+04 / 85
p0 1.12e+04 ± 8.705
18000
16000
14000
12000
10000

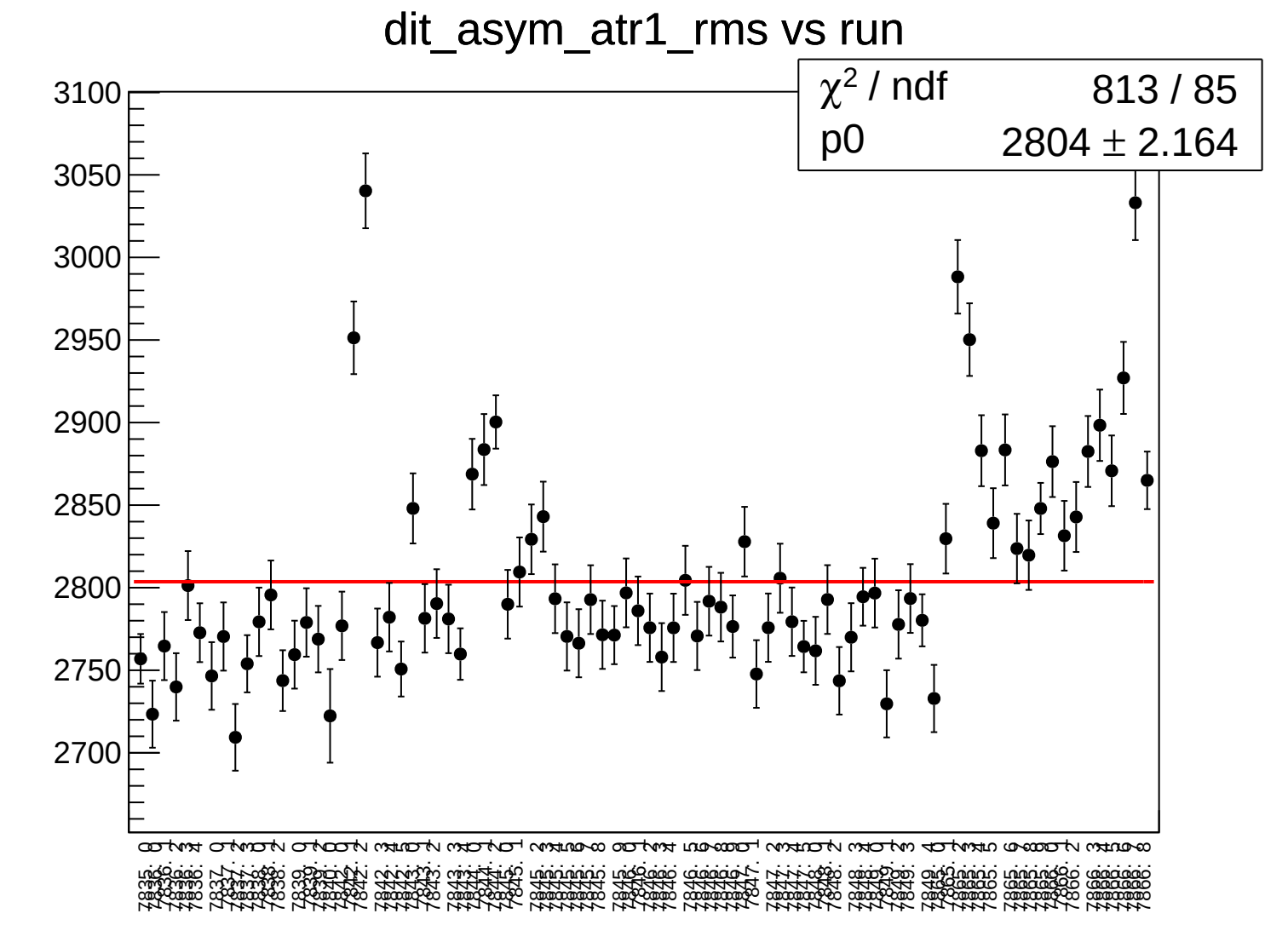

asym_atl2_mean vs run
×10^3
χ² / ndf 104.7 / 85
p0 2.309e+04 ± 1.251e+04
pull
Entries 86
Mean −78.73
Std Dev 132.7

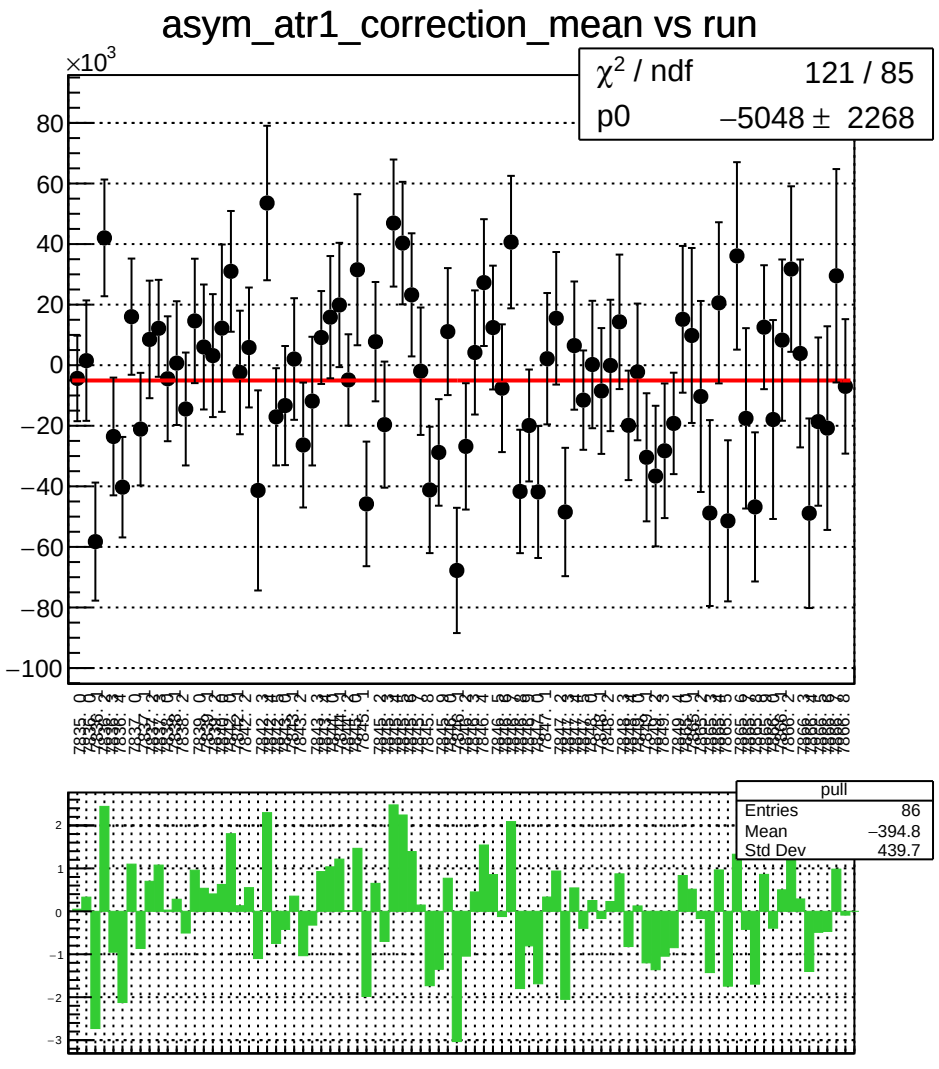

pull1D
Entries 86
Mean −0.01582
Std Dev 1.103

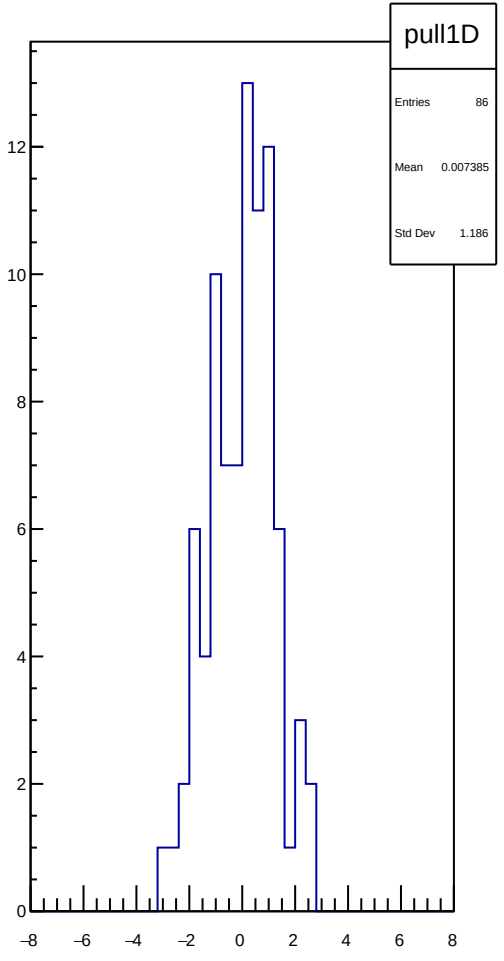

asym_atl2_rms vs run
χ² / ndf 2.362e+04 / 85
p0 1.138e+04 ± 8.843
18000
16000
14000
12000
10000

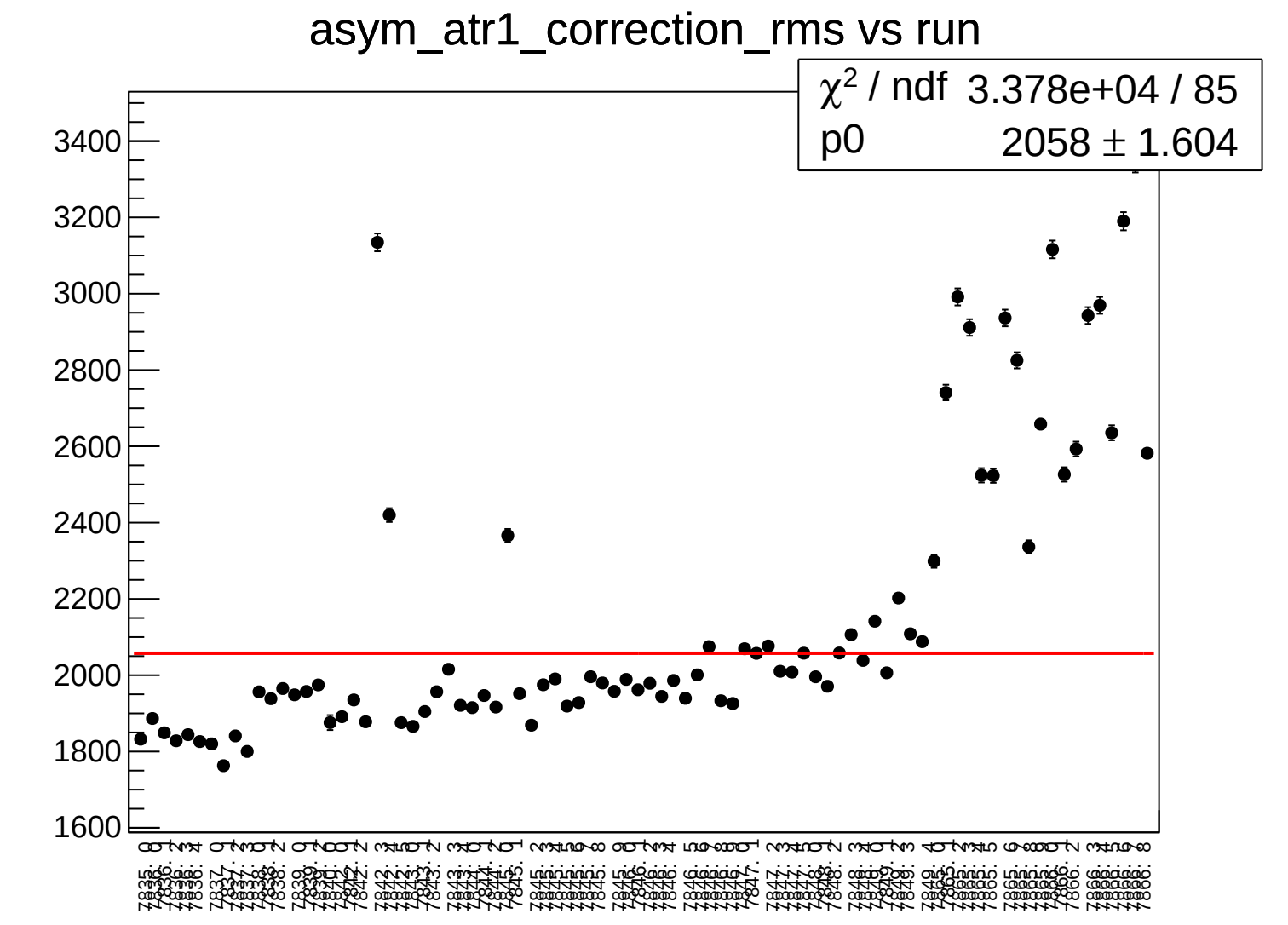

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 104 / 85
p0 3469 ± 3060
100
50
0
−50
−100
pull
Entries 86
Mean −310.8
Std Dev 365.6
3
2
1
0
−1
−2

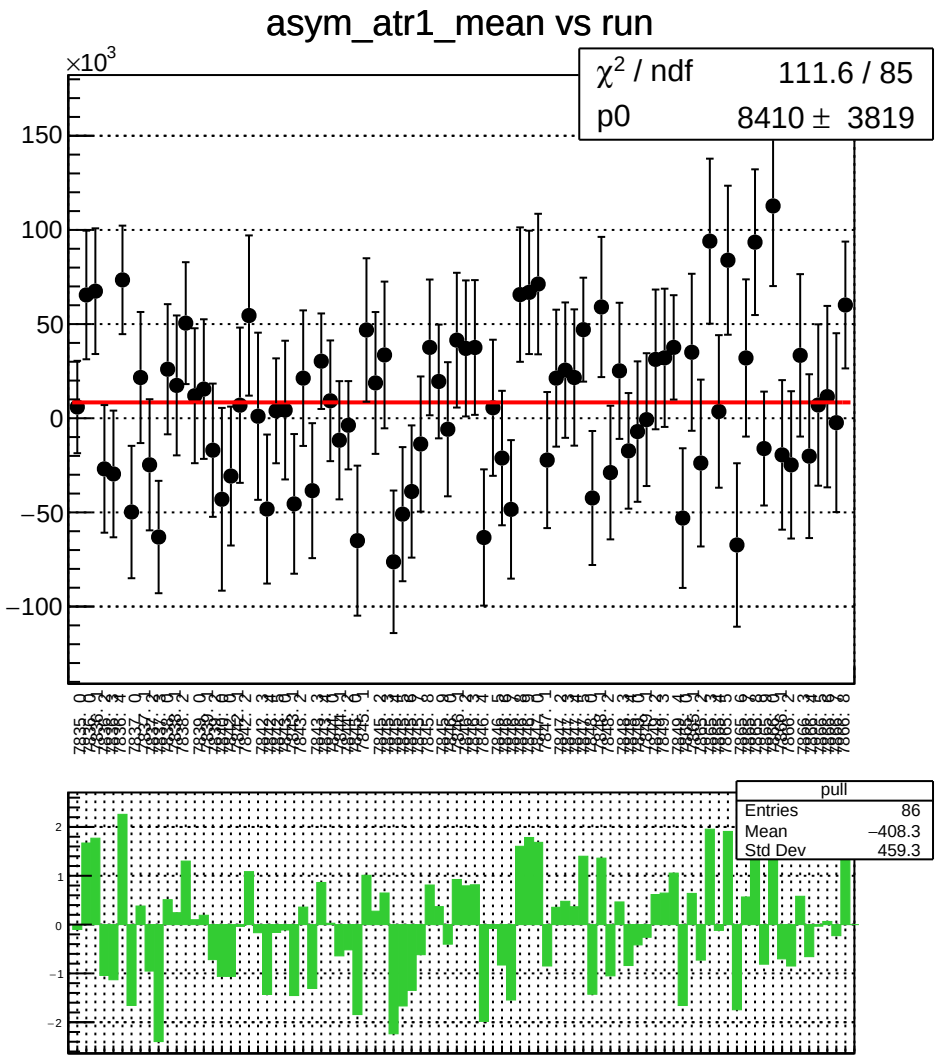

pull1D
Entries 86
Mean −0.008094
Std Dev 1.1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

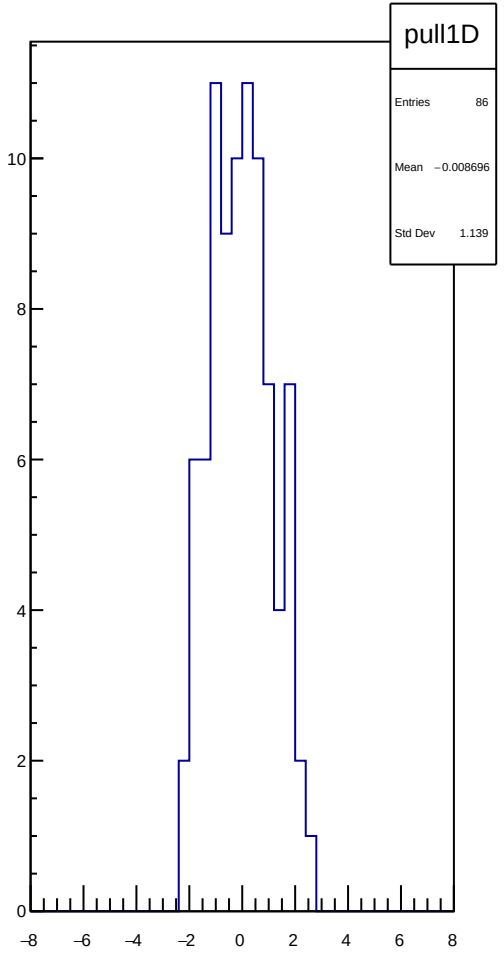

dit_asym_atr1_rms vs run
χ² / ndf 813 / 85
p0 2804 ± 2.164
3100
3050
3000
2950
2900
2850
2800
2750
2700

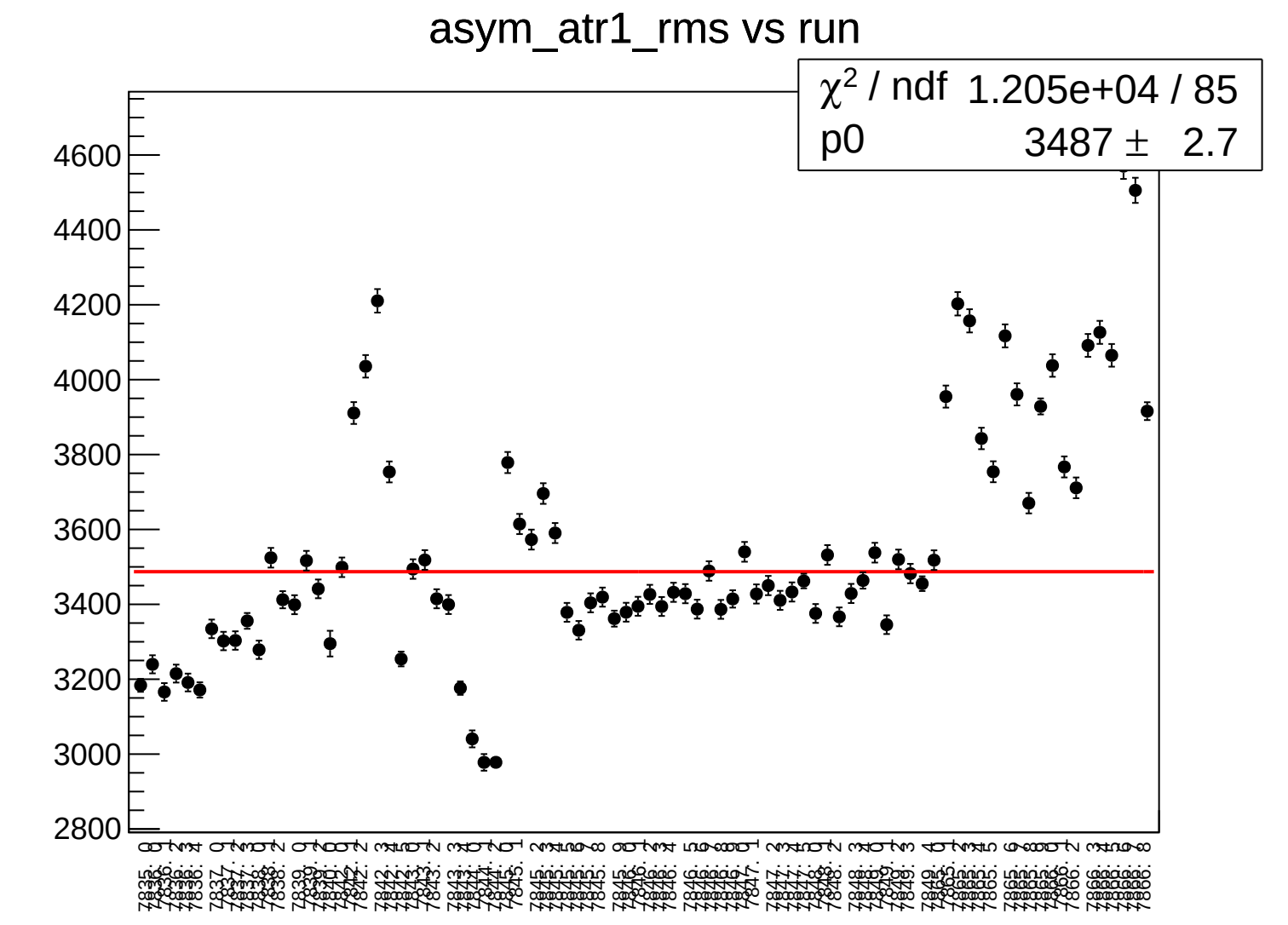

asym_atr1_correction_mean vs run
×10^3
χ^2 / ndf 121 / 85
p0 −5048 ± 2268
pull
Entries 86
Mean −394.8
Std Dev 439.7

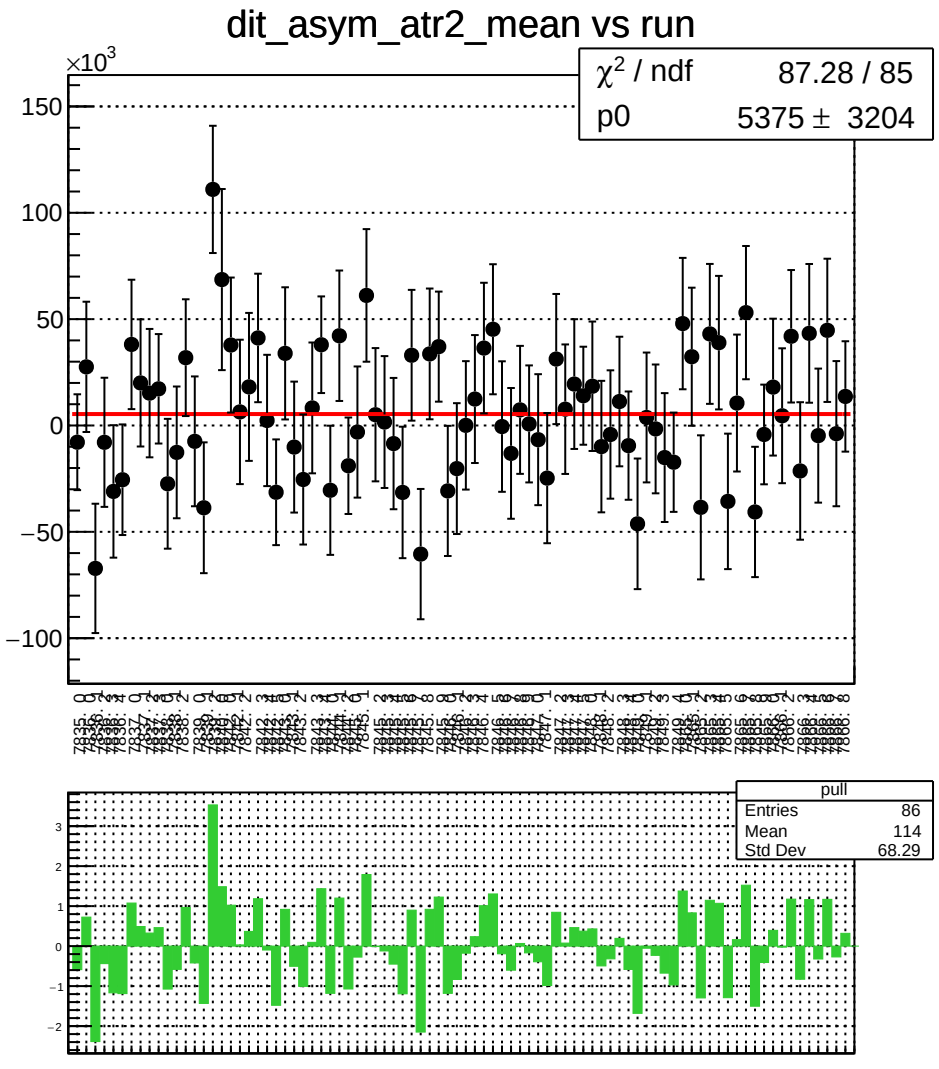

pull1D
Entries 86
Mean 0.007385
Std Dev 1.186

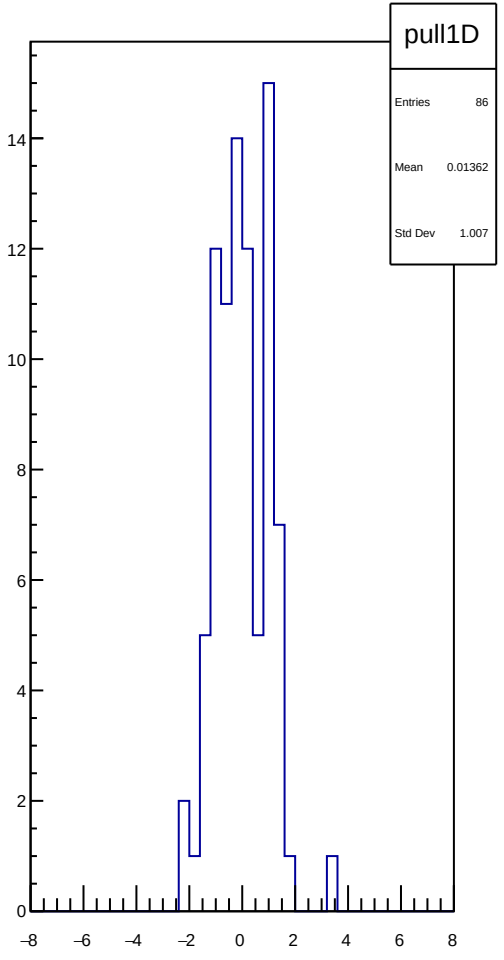

asym_atr1_correction_rms vs run
χ² / ndf 3.378e+04 / 85
p0 2058 ± 1.604
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

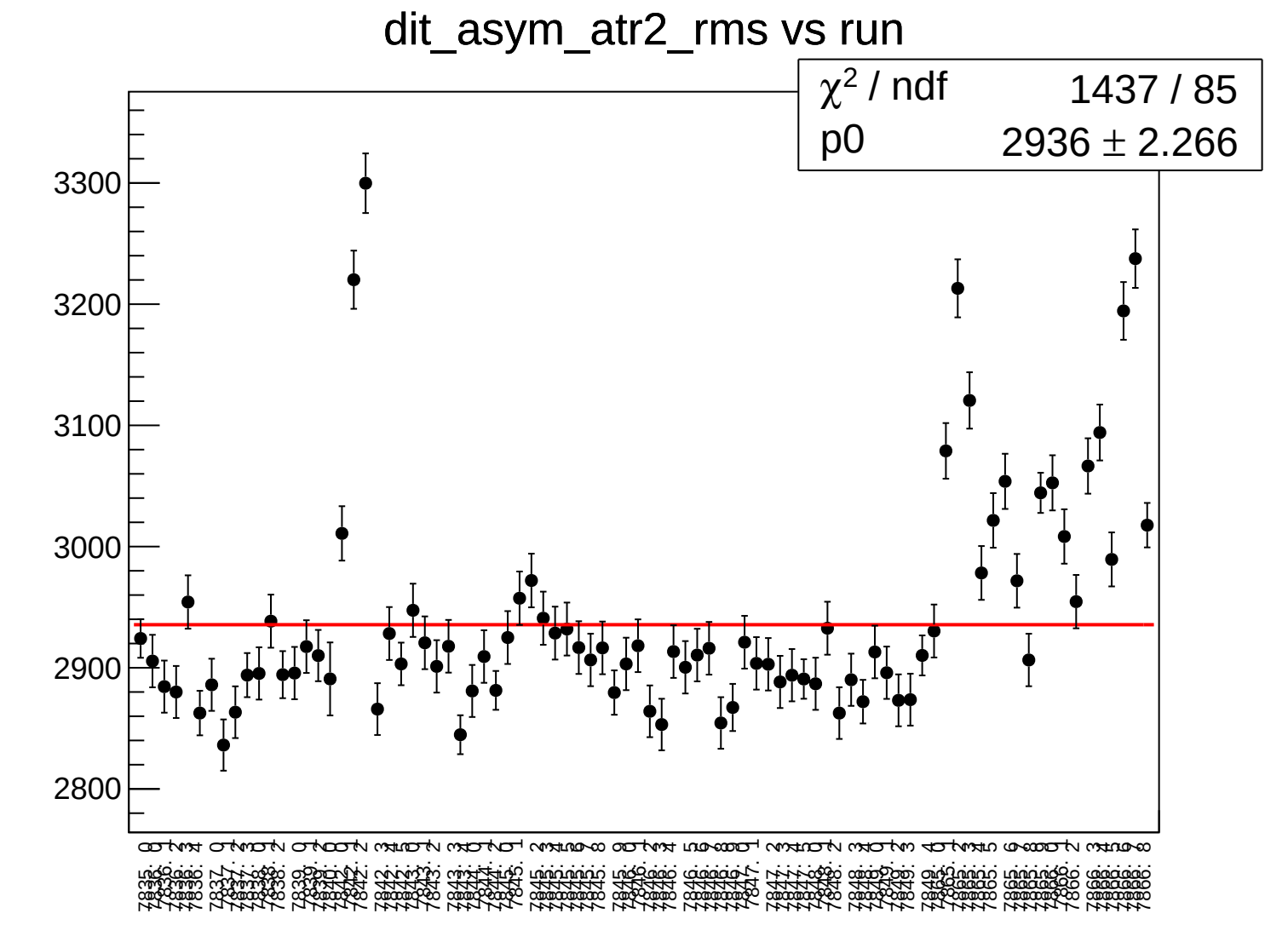

asym_atr1_mean vs run
×10^3
χ² / ndf 111.6 / 85
p0 8410 ± 3819
150
100
50
0
−50
−100
pull
Entries 86
Mean −408.3
Std Dev 459.3
2
1
0
−1
−2

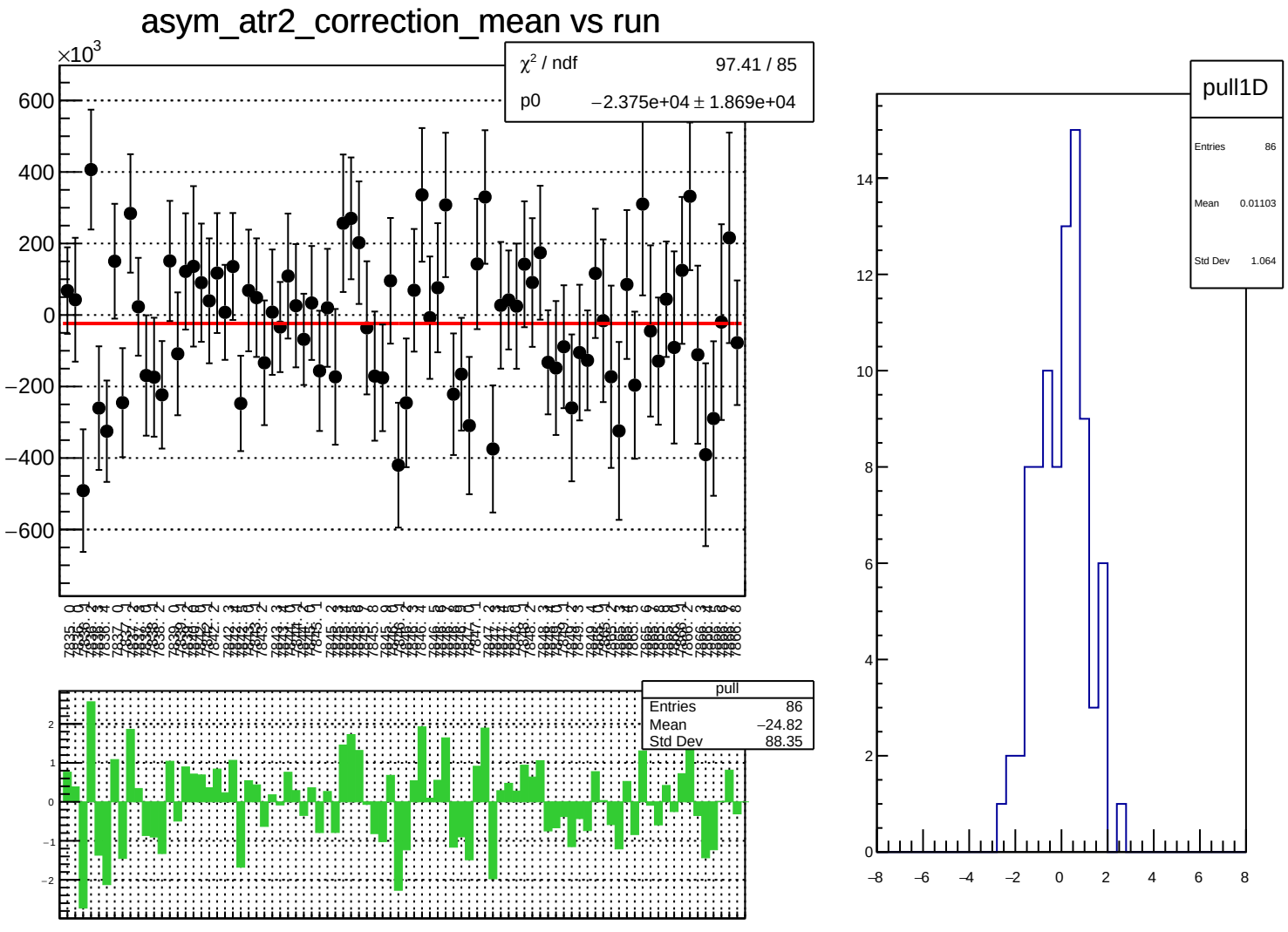

pull1D
Entries 86
Mean −0.008696
Std Dev 1.139
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

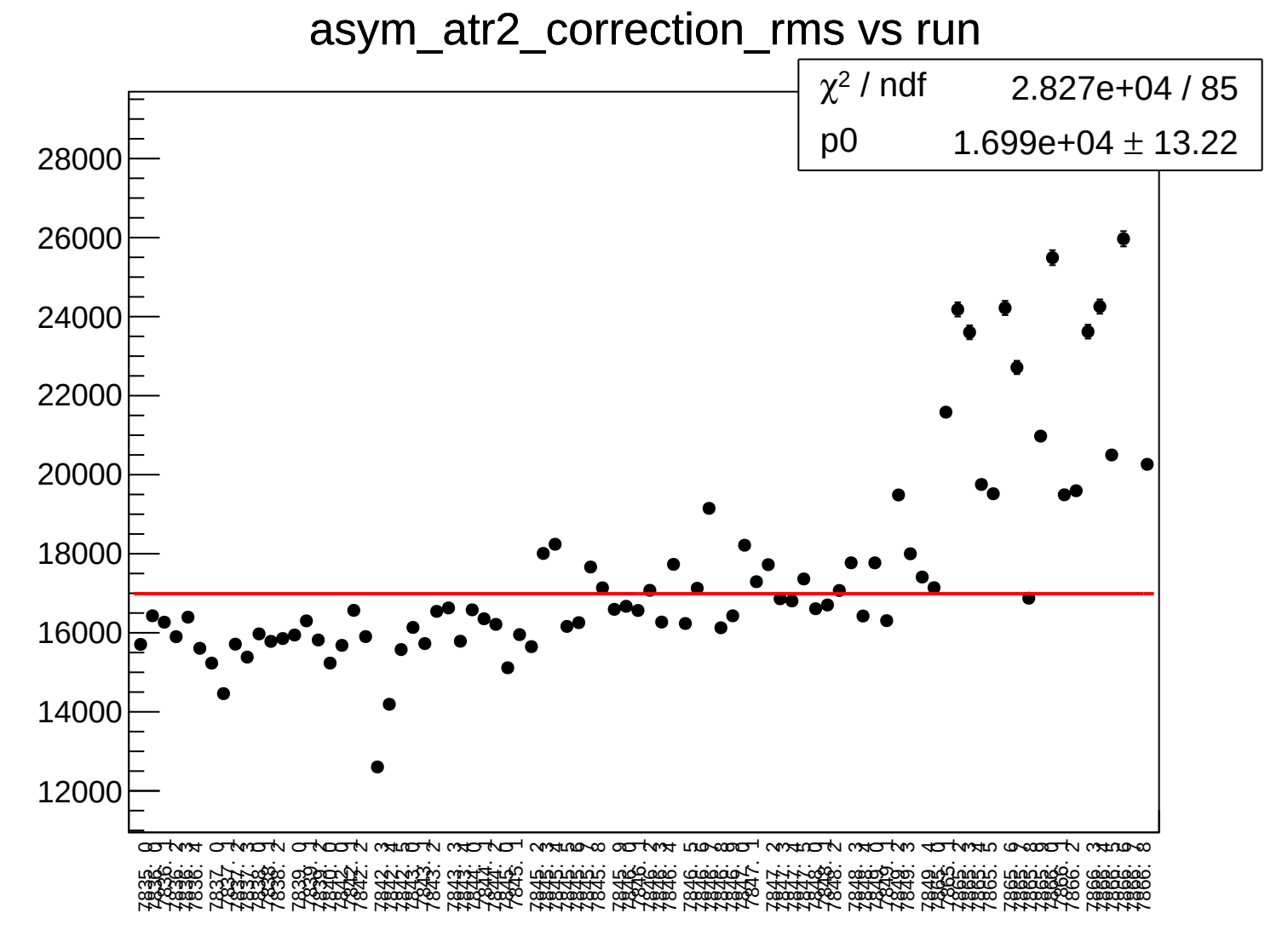

asym_atr1_rms vs run
χ^2 / ndf 1.205e+04 / 85
p0 3487 ± 2.7
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800

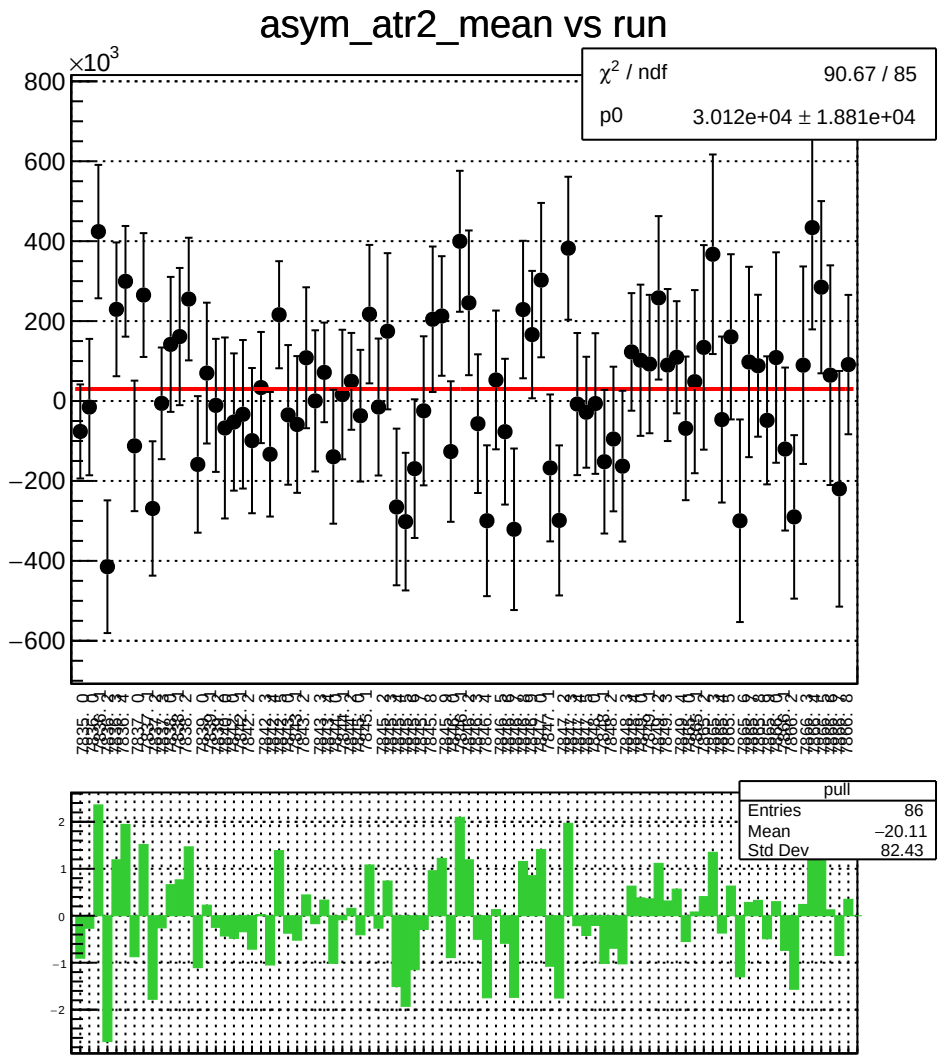

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 87.28 / 85
p0 5375 ± 3204
150
100
50
0
−50
−100
pull
Entries 86
Mean 114
Std Dev 68.29
3
2
1
0
−1
−2

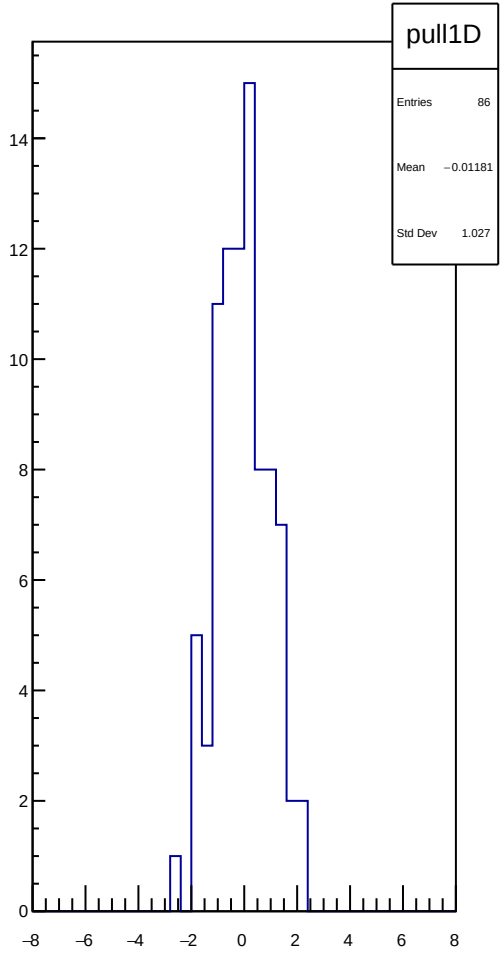

pull1D
Entries 86
Mean 0.01362
Std Dev 1.007
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

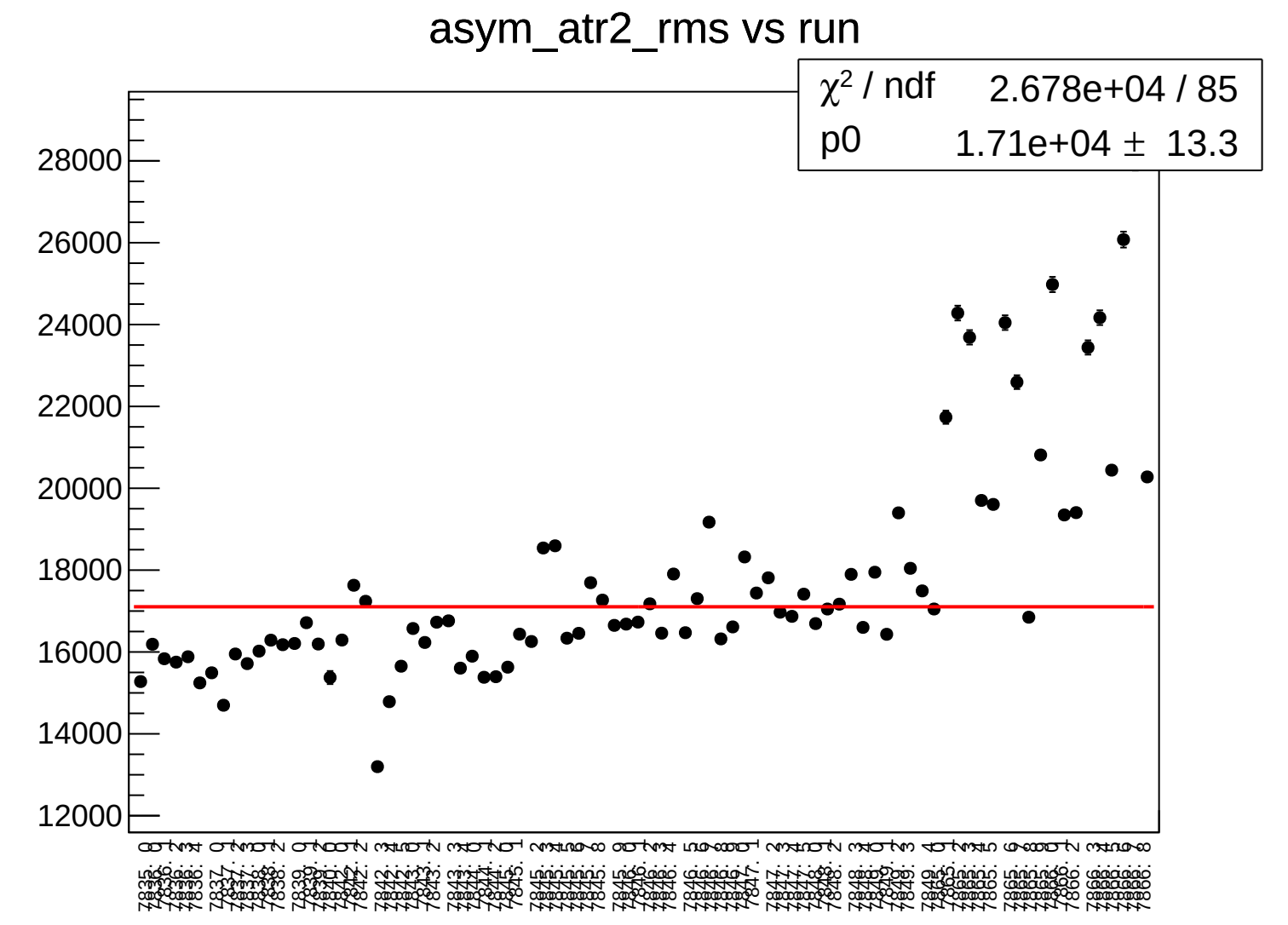

dit_asym_atr2_rms vs run
χ² / ndf 1437 / 85
p0 2936 ± 2.266
3300
3200
3100
3000
2900
2800

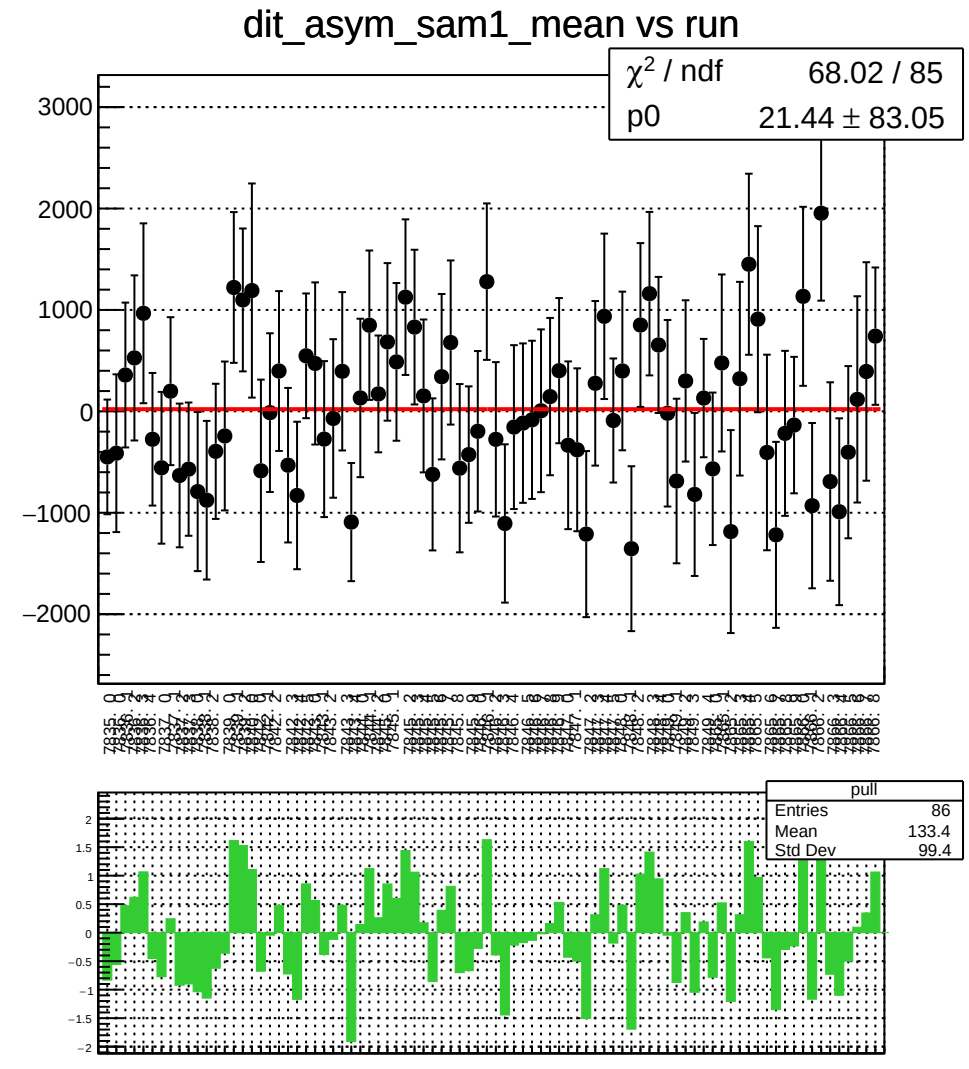

asym_atr2_correction_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 97.41 / 85
p0 −2.375e+04 ± 1.869e+04
pull
Entries 86
Mean −24.82
Std Dev 88.35
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.01103
Std Dev 1.064
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

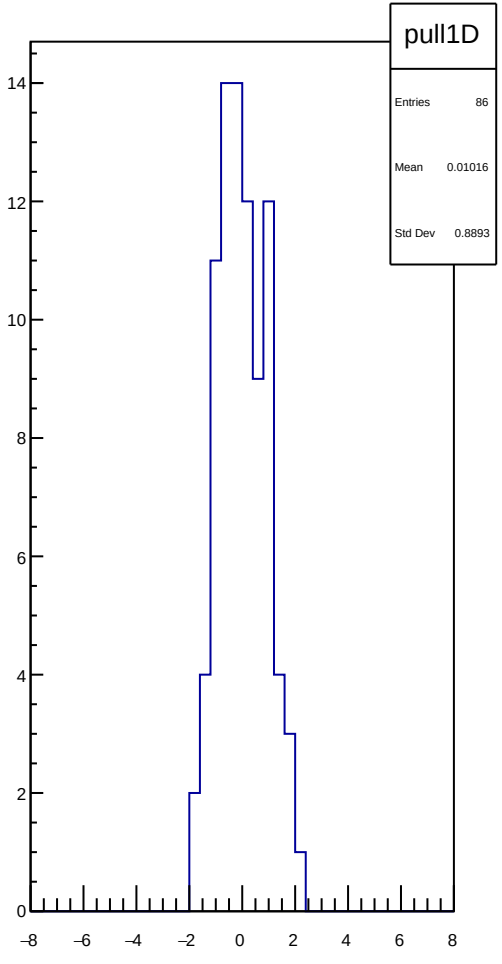

asym_atr2_correction_rms vs run
χ² / ndf 2.827e+04 / 85
p0 1.699e+04 ± 13.22
28000
26000
24000
22000
20000
18000
16000
14000
12000

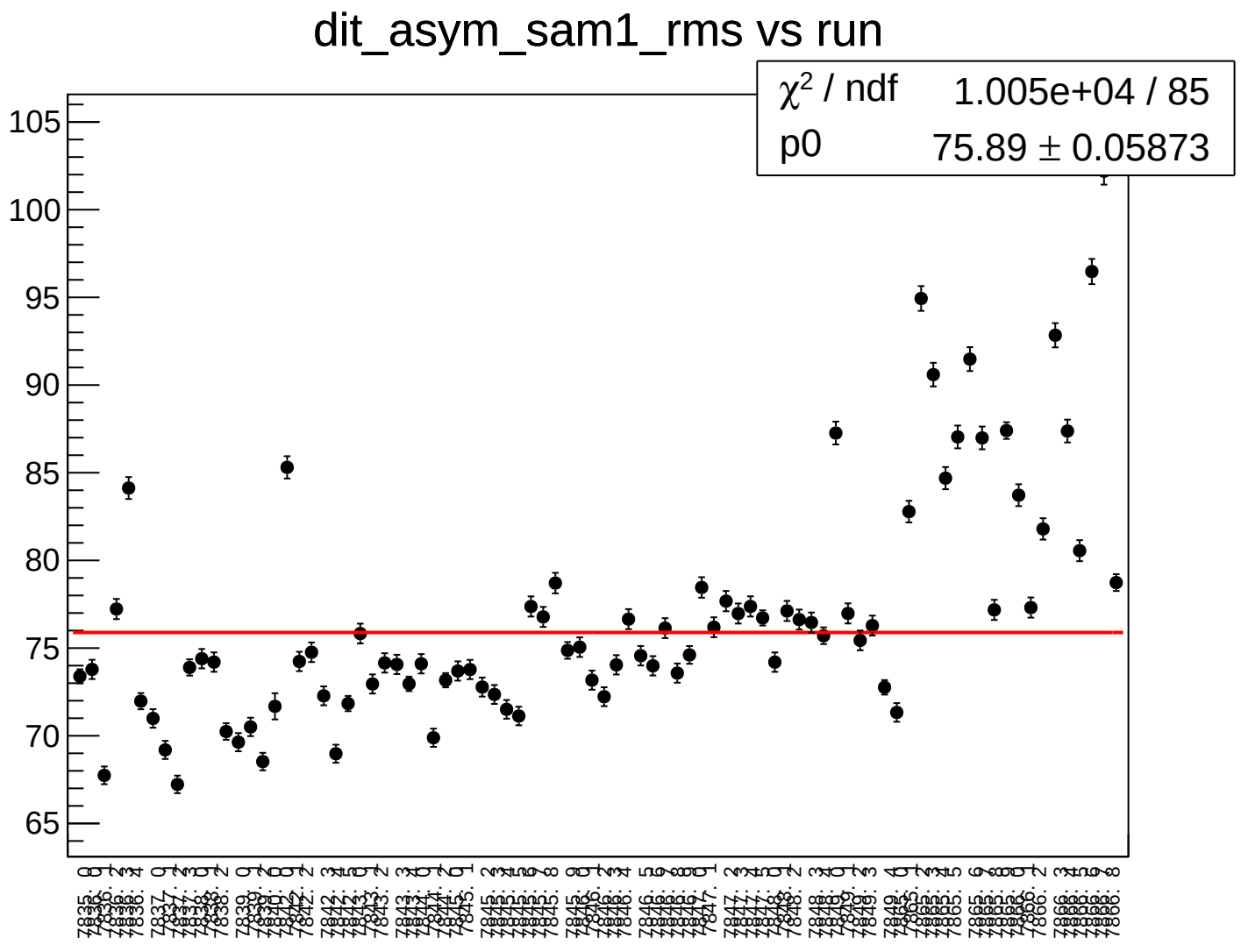

asym_atr2_mean vs run
×10^3
800
600
400
200
0
−200
−400
−600
χ² / ndf 90.67 / 85
p0 3.012e+04 ± 1.881e+04
pull
Entries 86
Mean −20.11
Std Dev 82.43
2
1
0
−1
−2

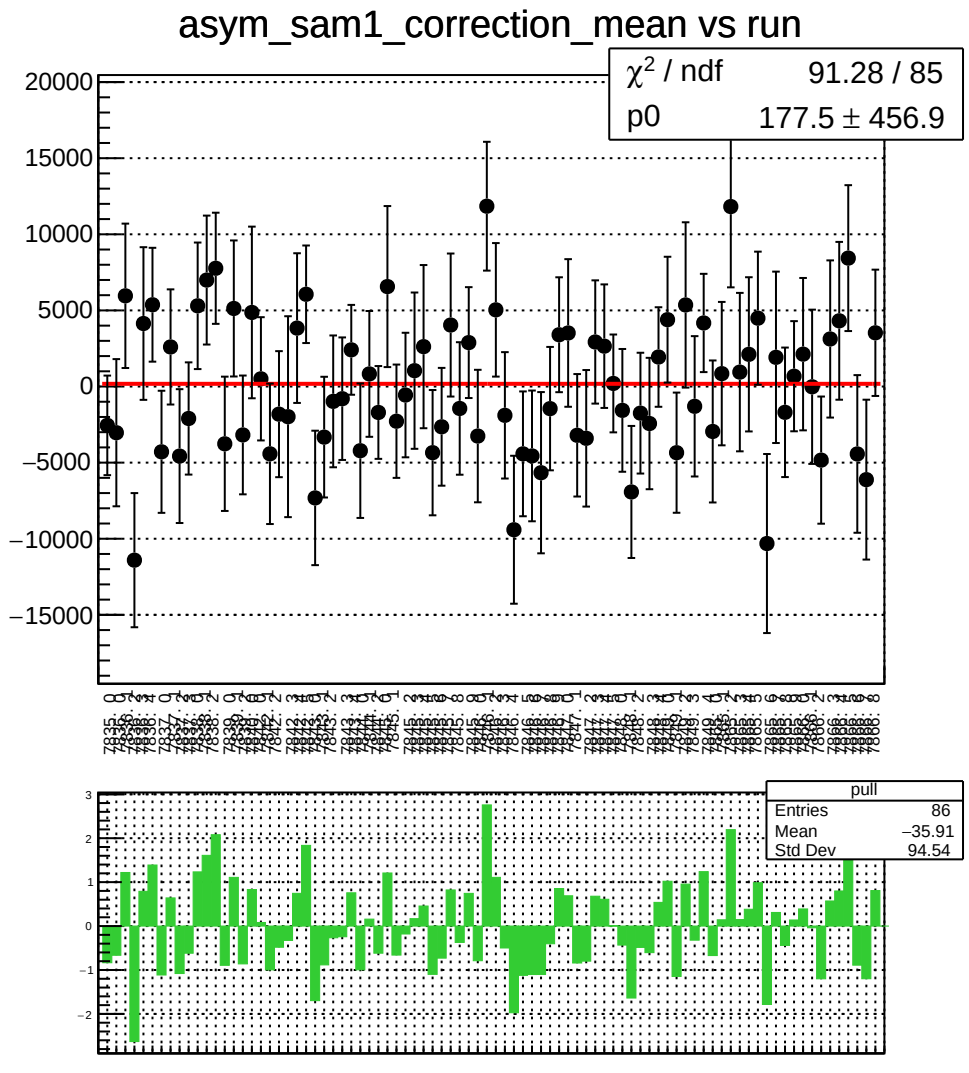

pull1D
Entries 86
Mean −0.01181
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

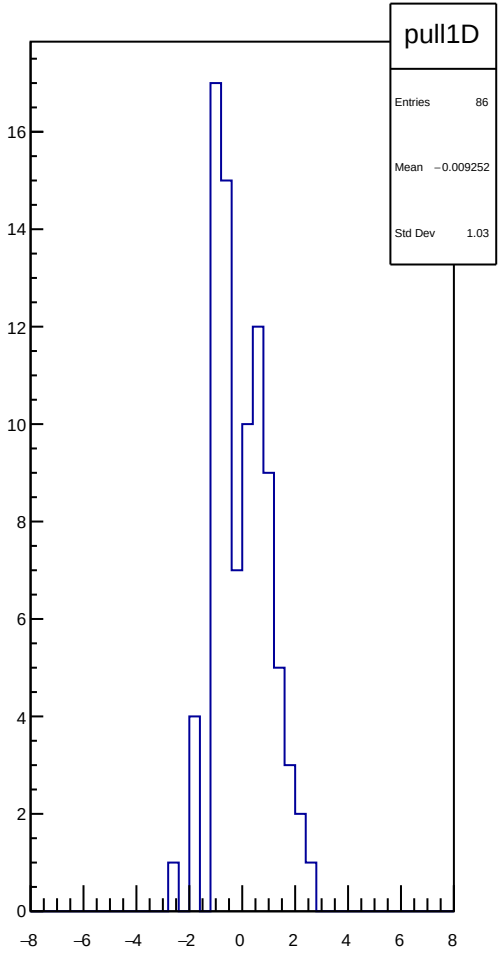

asym_atr2_rms vs run
χ² / ndf 2.678e+04 / 85
p0 1.71e+04 ± 13.3
28000
26000
24000
22000
20000
18000
16000
14000
12000

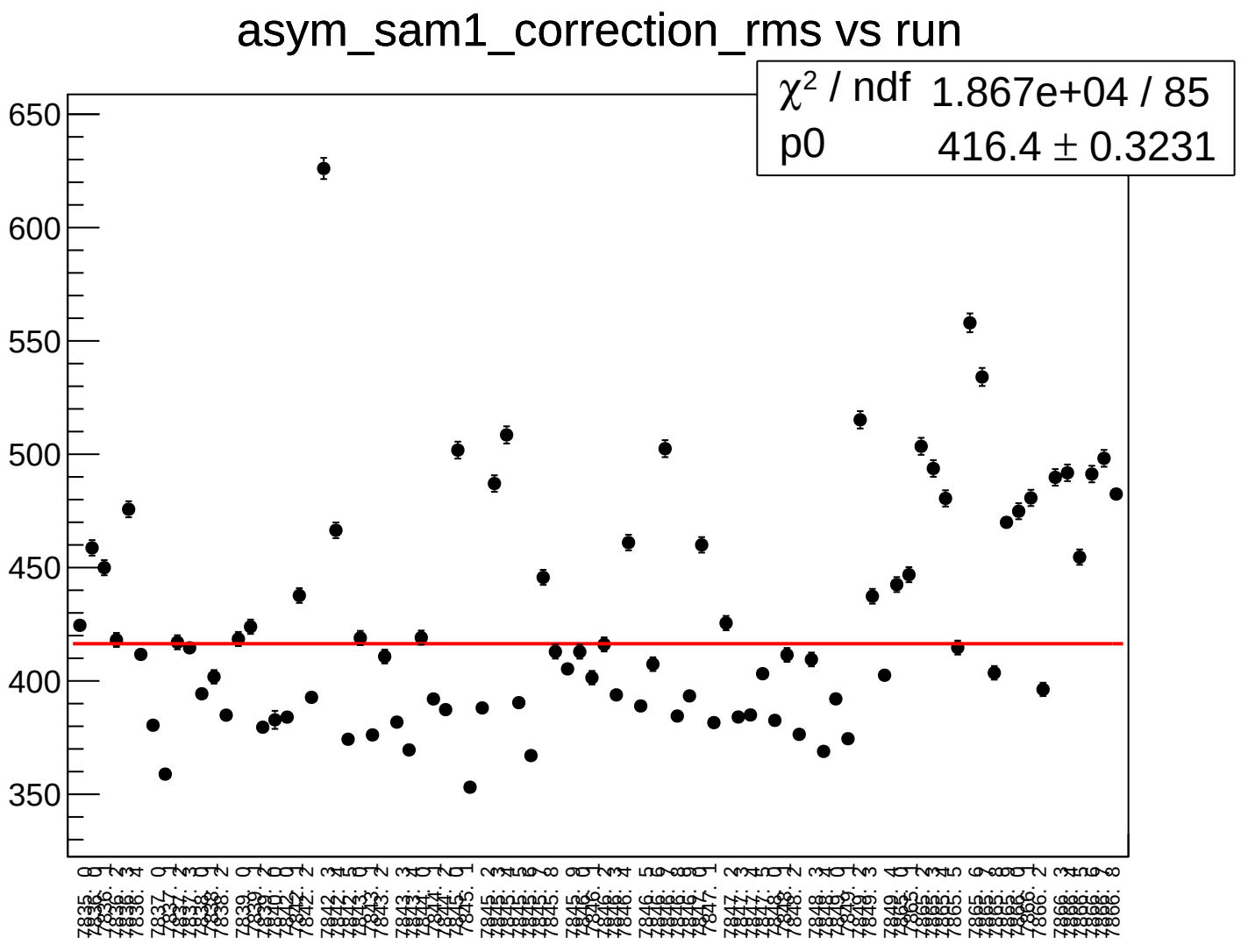

dit_asym_sam1_mean vs run
χ² / ndf 68.02 / 85
p0 21.44 ± 83.05
3000
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 133.4
Std Dev 99.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

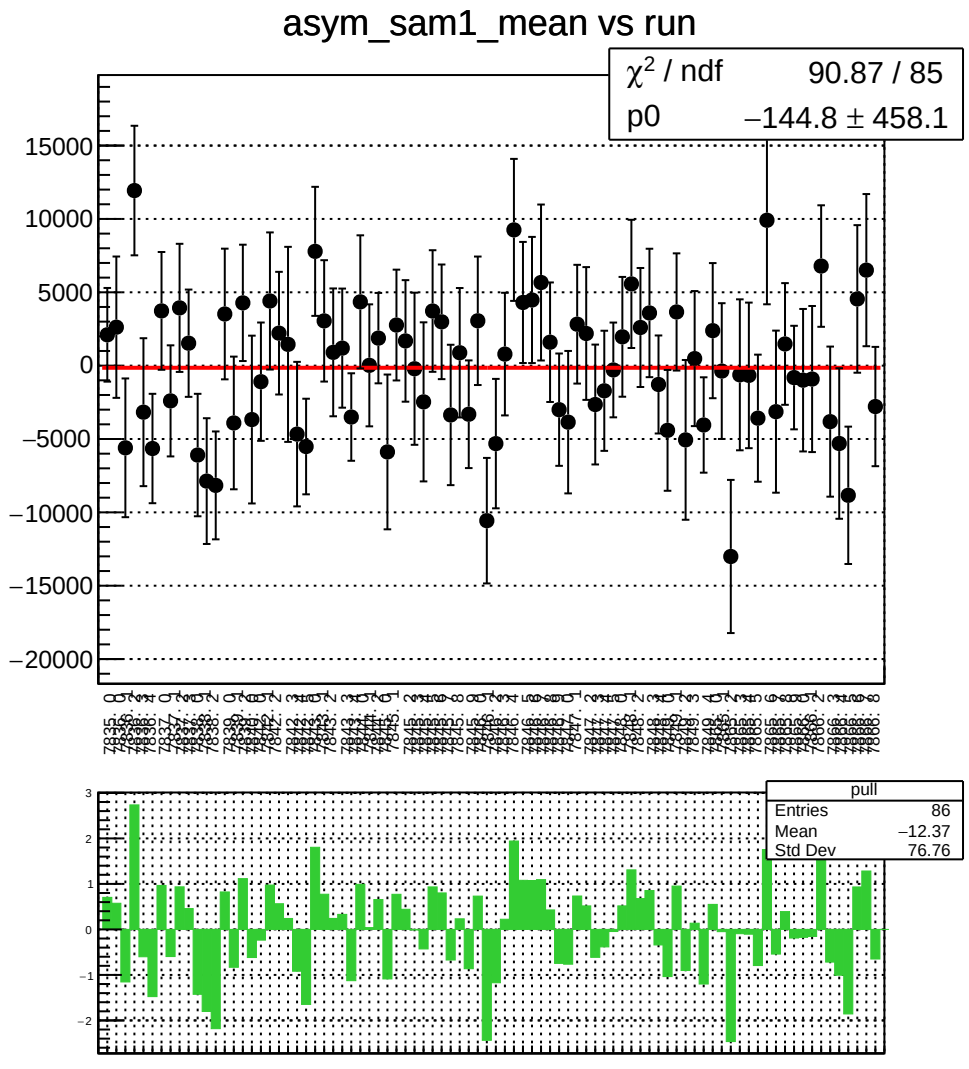

pull1D
Entries 86
Mean 0.01016
Std Dev 0.8893
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

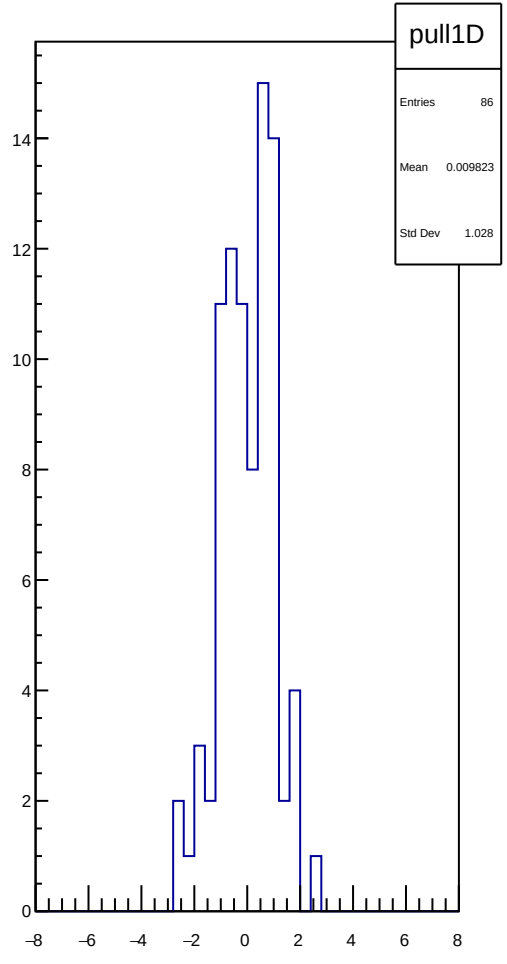

dit_asym_sam1_rms vs run
χ^2 / ndf 1.005e+04 / 85
p0 75.89 ± 0.05873
105
100
95
90
85
80
75
70
65

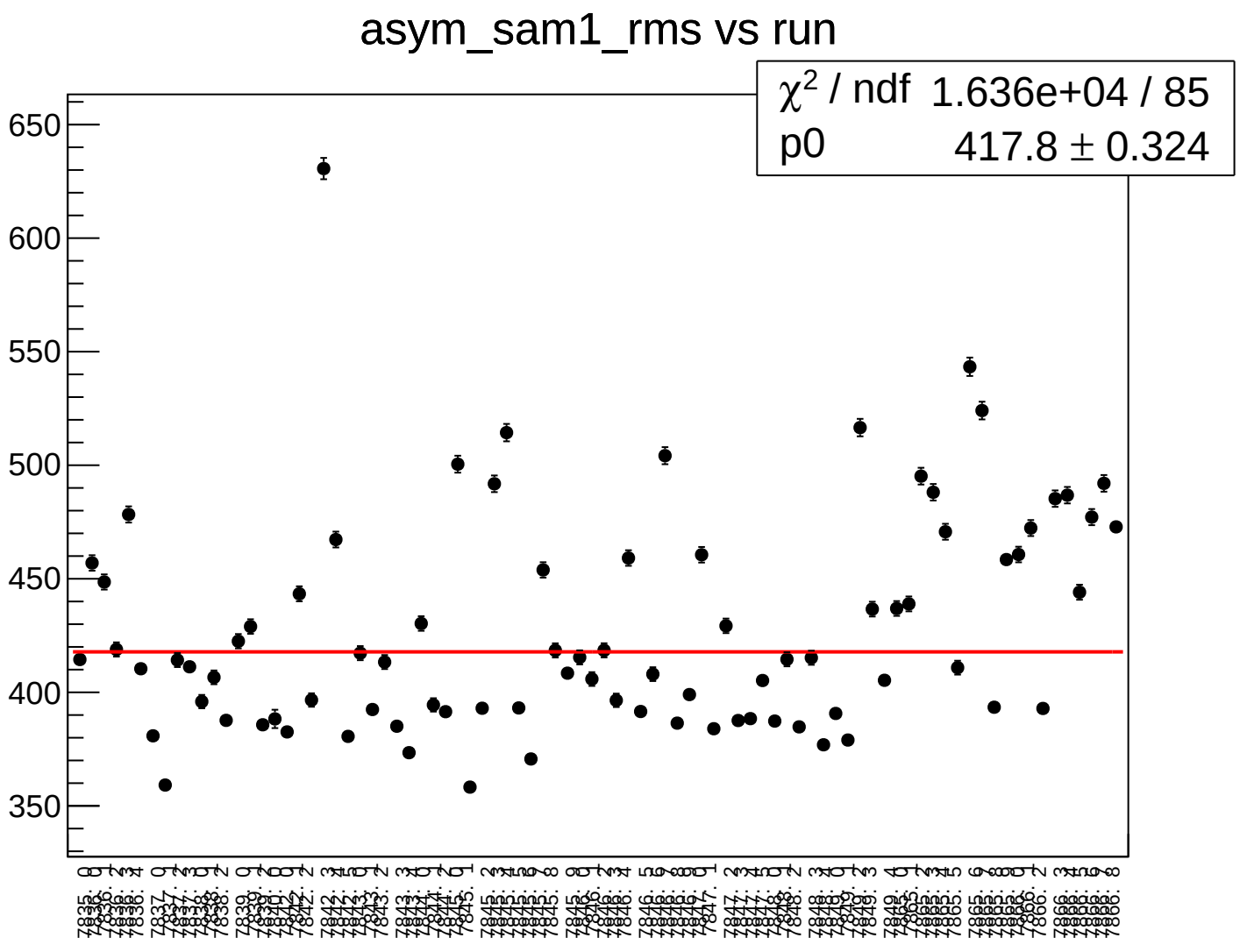

asym_sam1_correction_mean vs run
χ² / ndf 91.28 / 85
p0 177.5 ± 456.9
pull
Entries 86
Mean −35.91
Std Dev 94.54

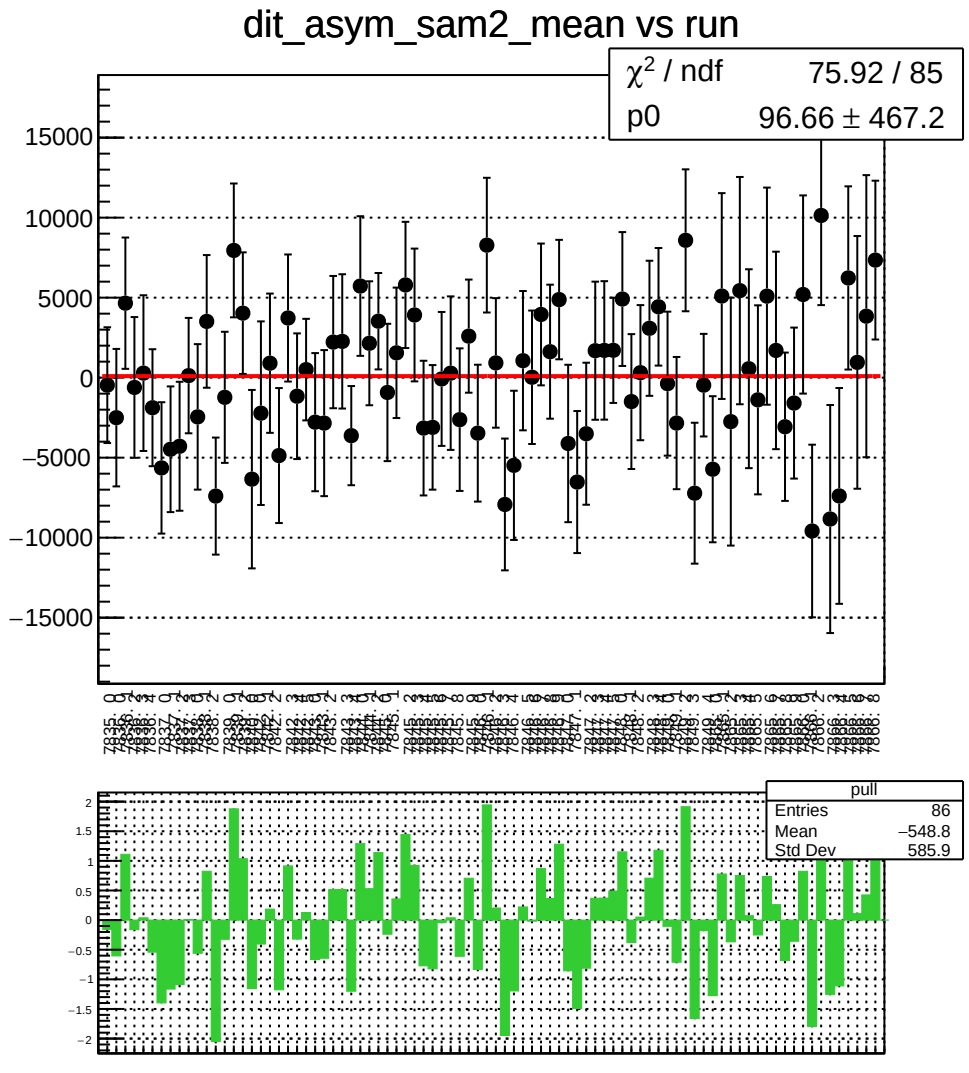

pull1D
Entries 86
Mean −0.009252
Std Dev 1.03

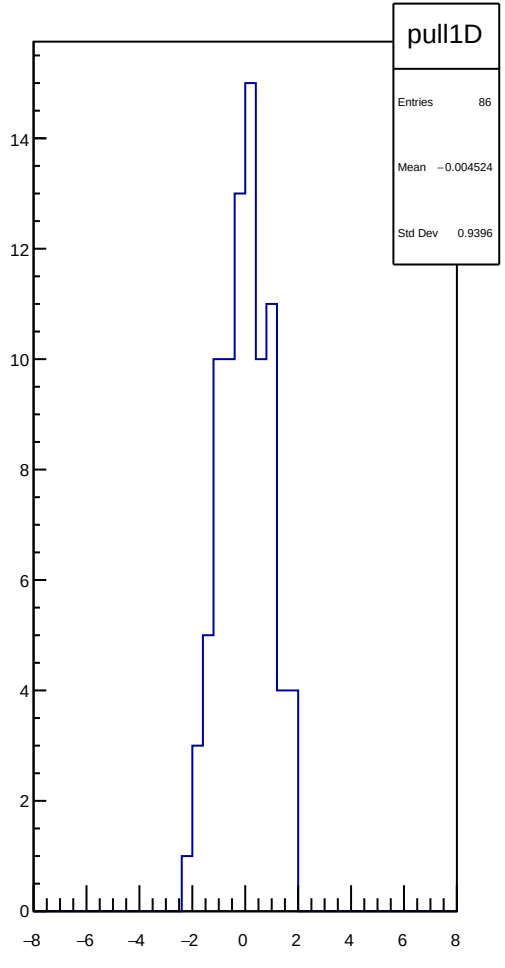

asym_sam1_correction_rms vs run
χ² / ndf 1.867e+04 / 85
p0 416.4 ± 0.3231
650
600
550
500
450
400
350

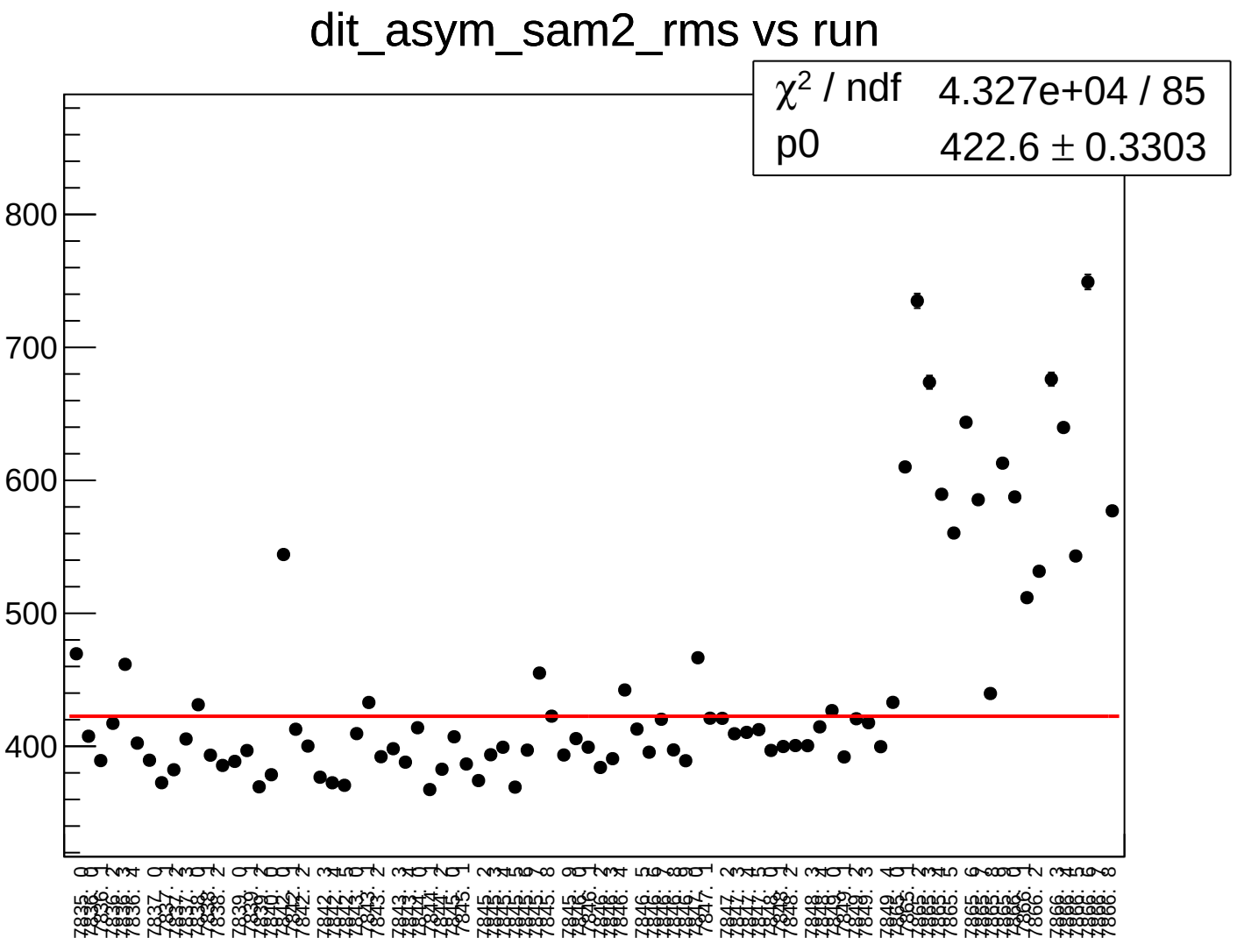

asym_sam1_mean vs run
χ² / ndf 90.87 / 85
p0 −144.8 ± 458.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean −12.37
Std Dev 76.76
3
2
1
0
−1
−2

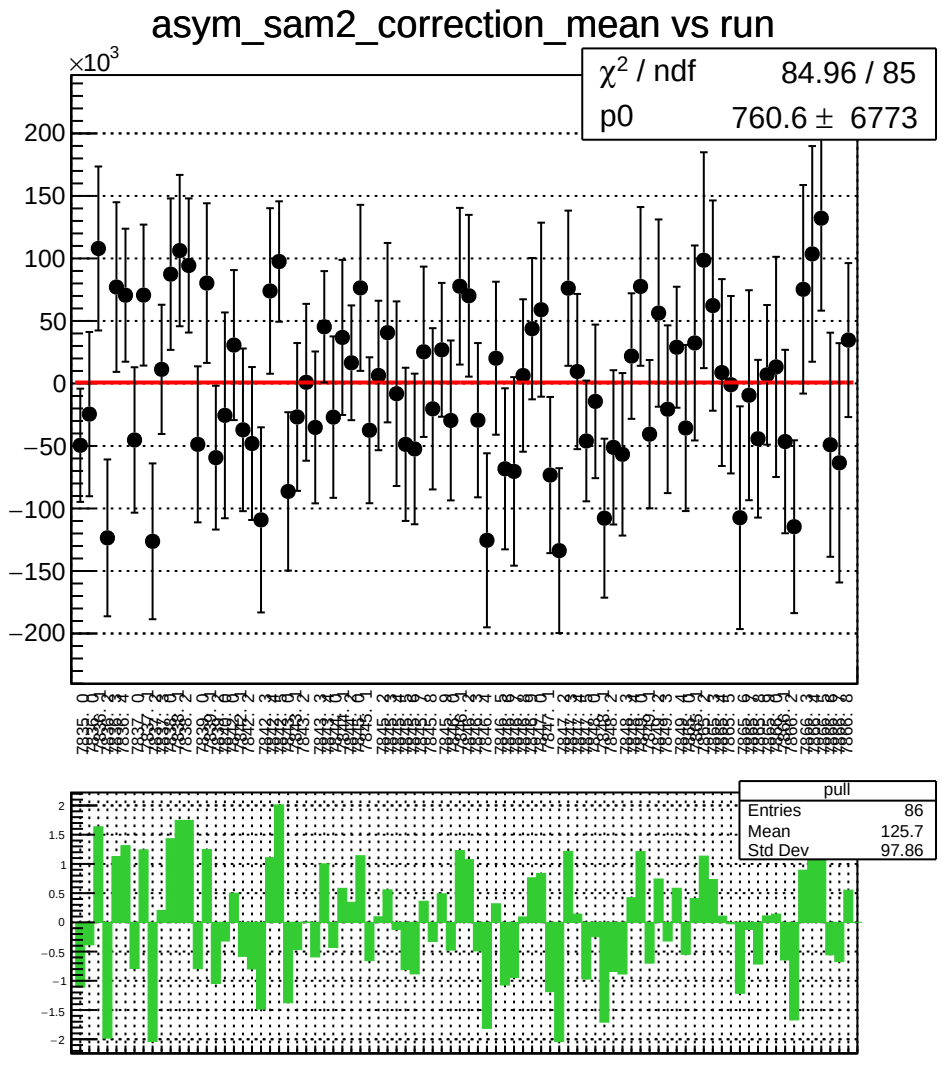

pull1D
Entries 86
Mean 0.009823
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

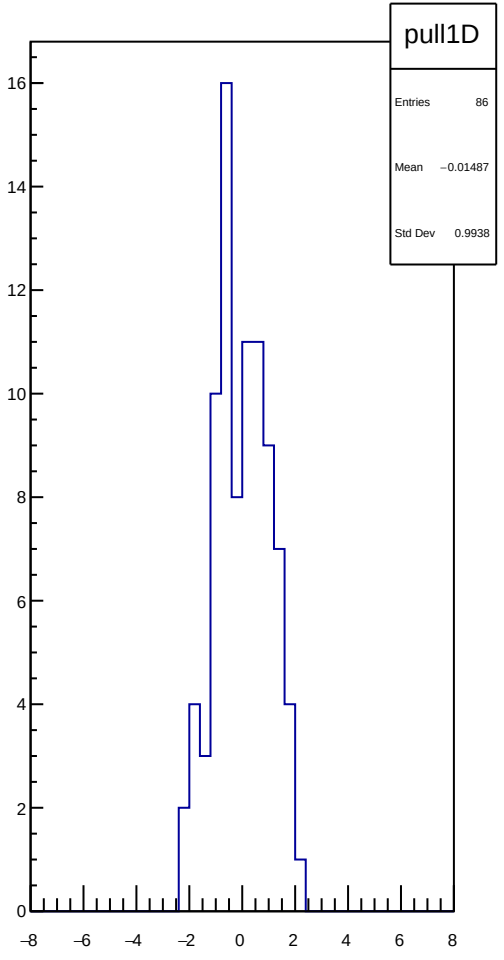

asym_sam1_rms vs run
χ² / ndf 1.636e+04 / 85
p0 417.8 ± 0.324
650
600
550
500
450
400
350

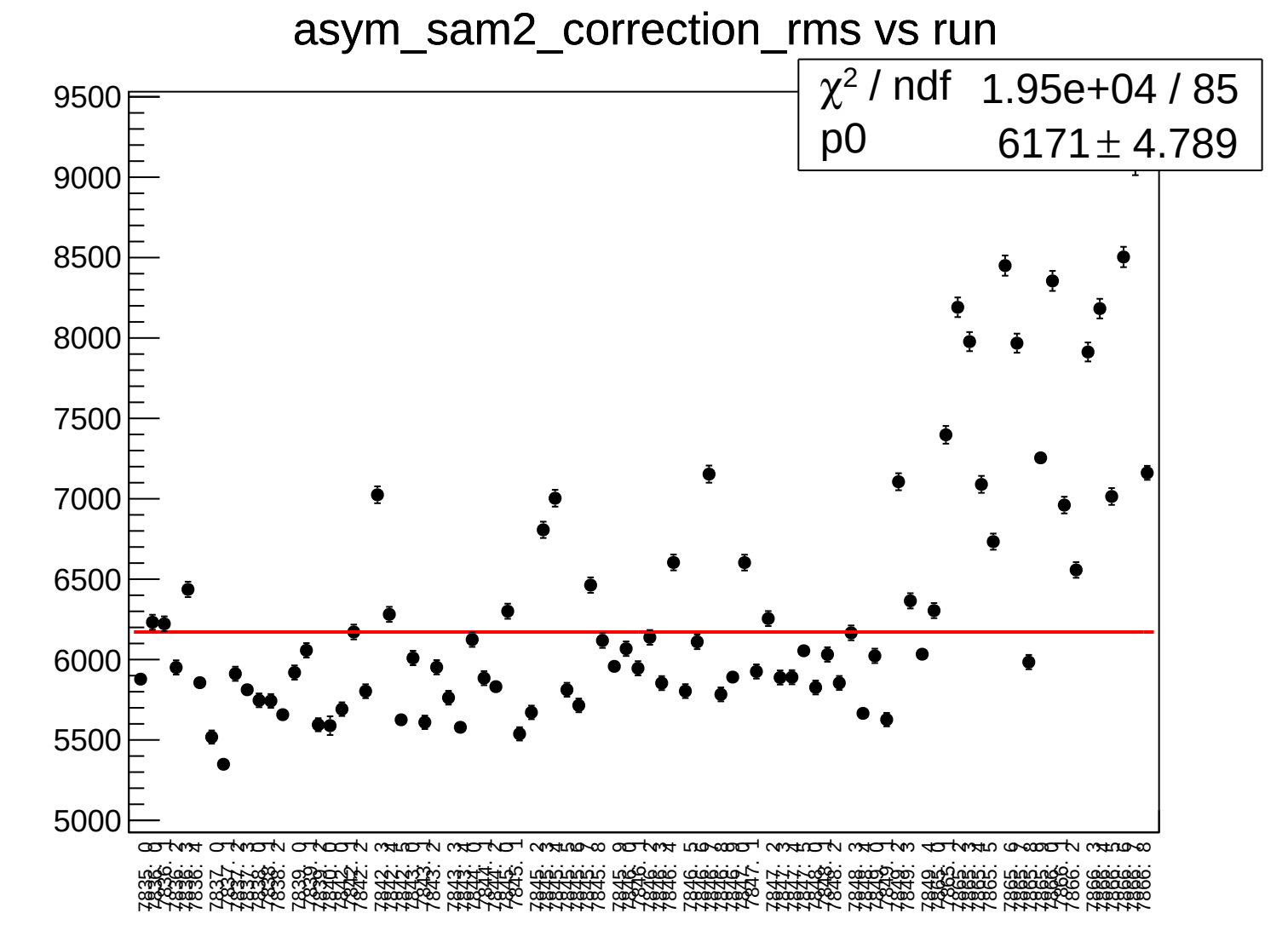

dit_asym_sam2_mean vs run
χ² / ndf 75.92 / 85
p0 96.66 ± 467.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −548.8
Std Dev 585.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

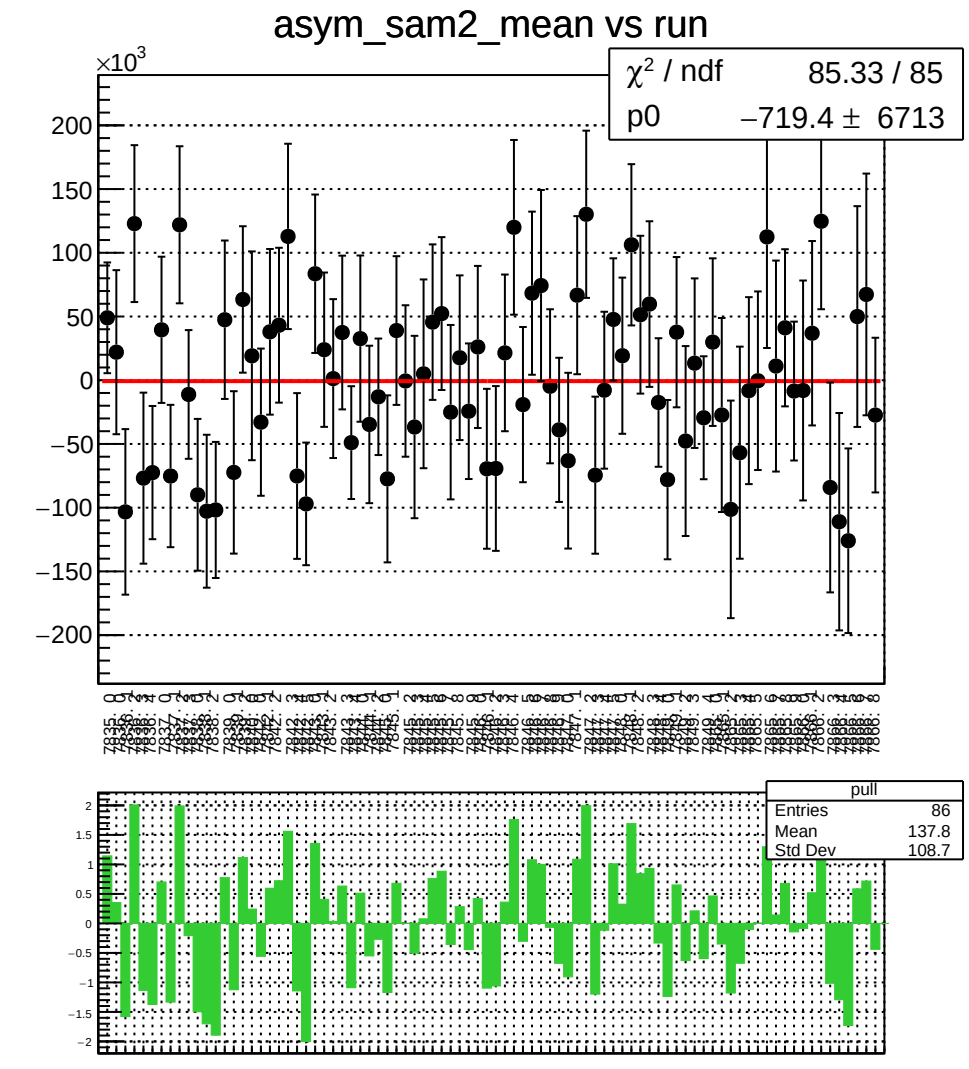

pull1D
Entries 86
Mean −0.004524
Std Dev 0.9396
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

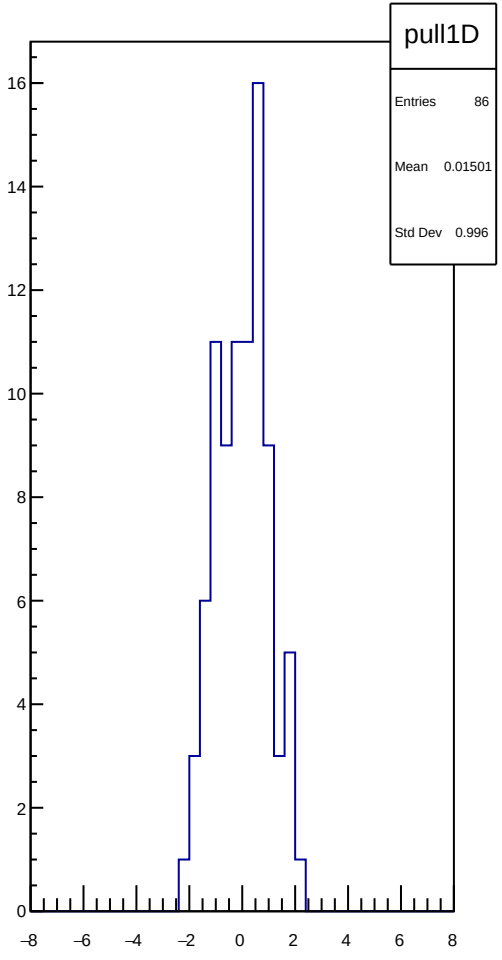

dit_asym_sam2_rms vs run
χ² / ndf 4.327e+04 / 85
p0 422.6 ± 0.3303
800
700
600
500
400

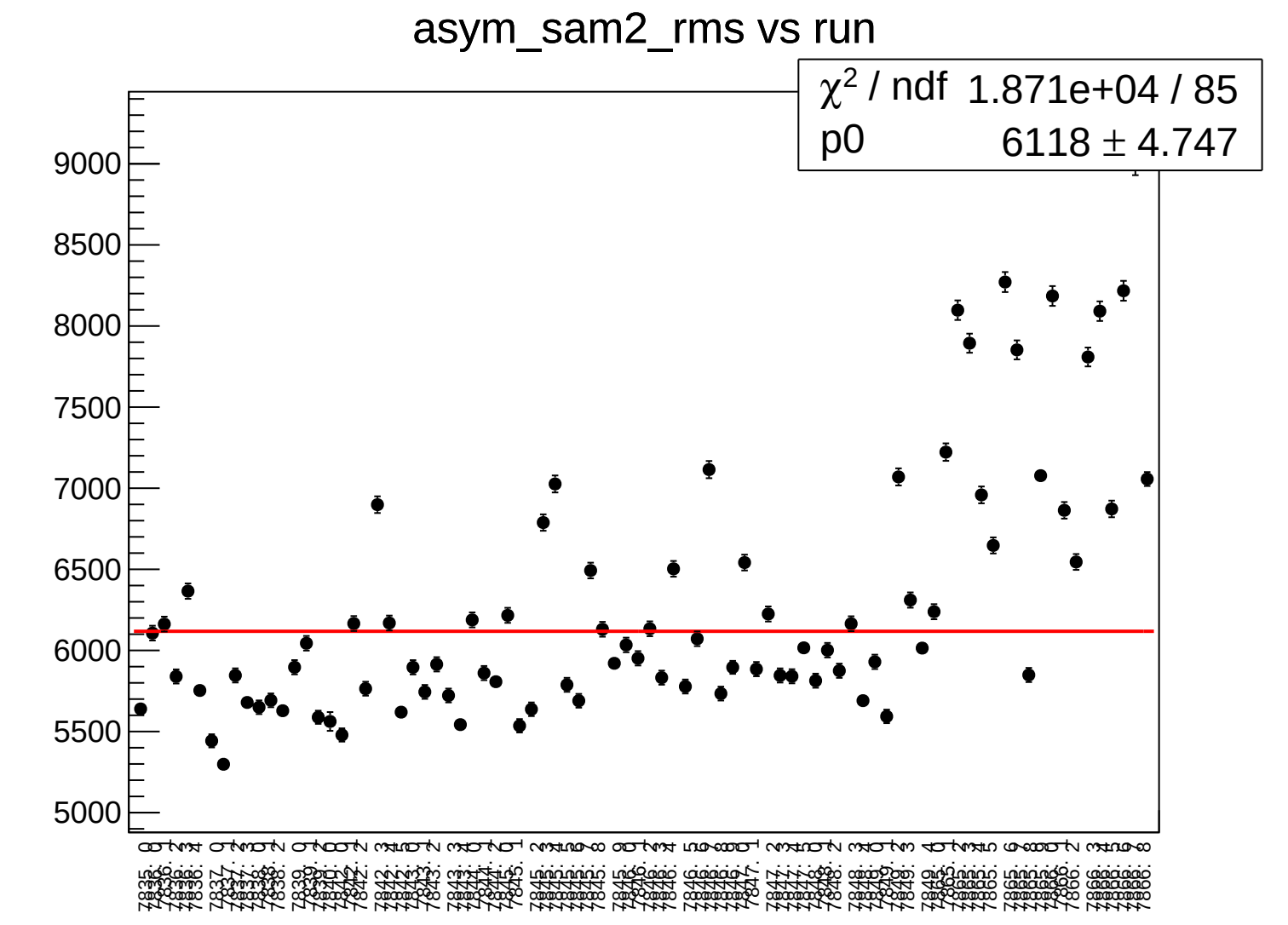

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 84.96 / 85
p0 760.6 ± 6773
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 125.7
Std Dev 97.86
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

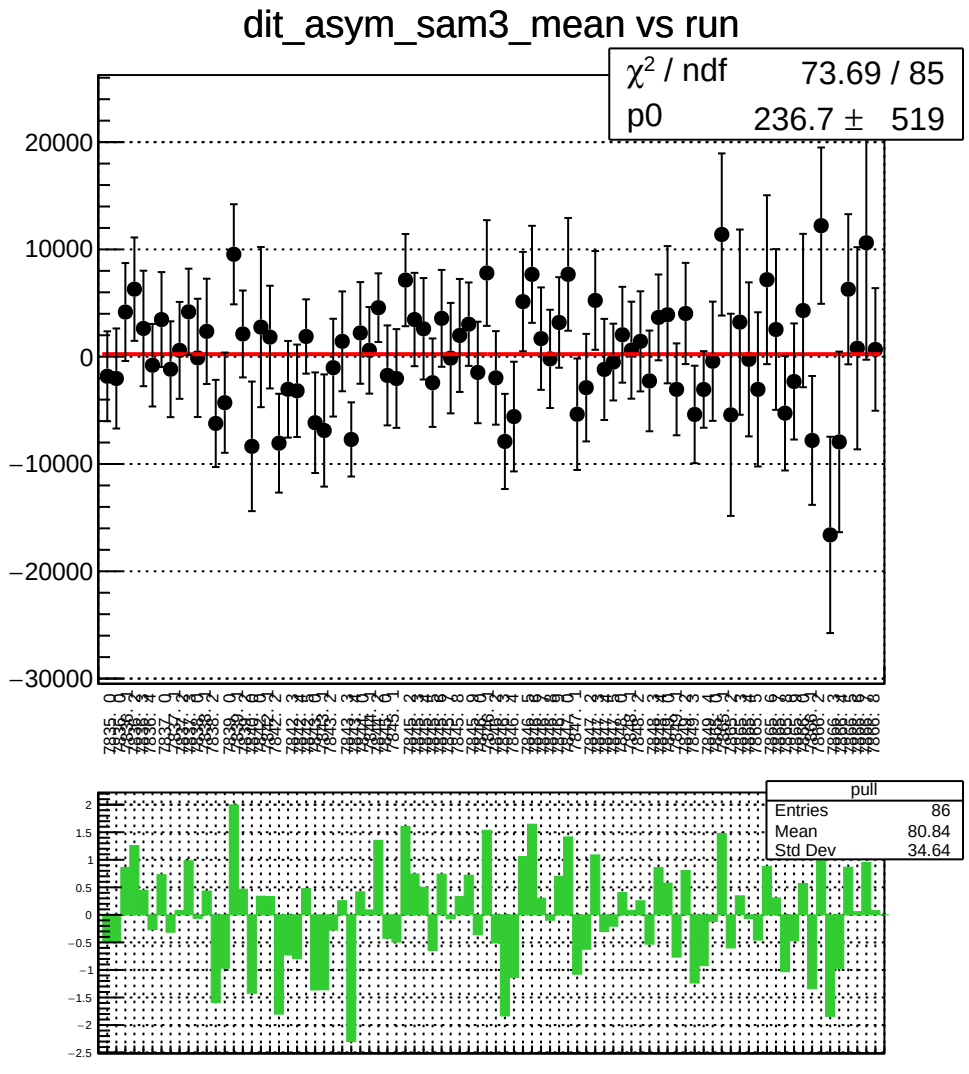

pull1D
Entries 86
Mean −0.01487
Std Dev 0.9938
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

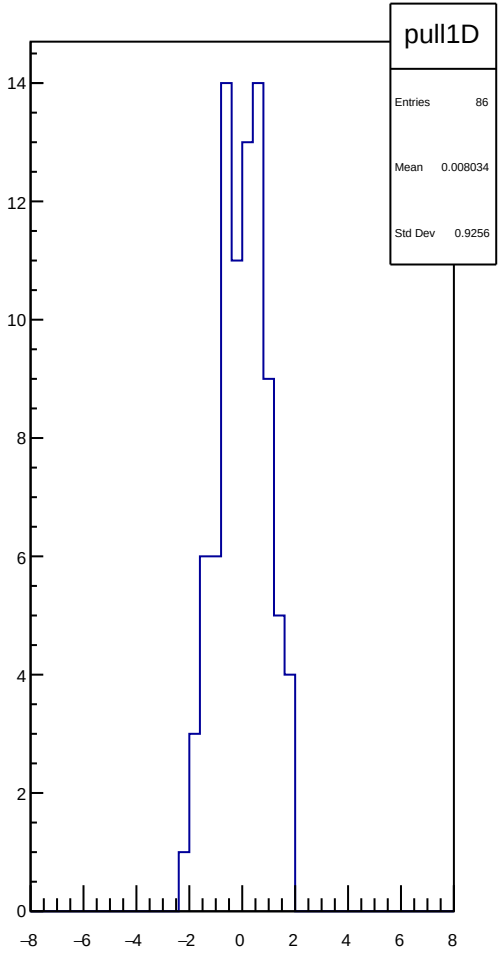

asym_sam2_correction_rms vs run
χ² / ndf 1.95e+04 / 85
p0 6171 ± 4.789
9500
9000
8500
8000
7500
7000
6500
6000
5500
5000

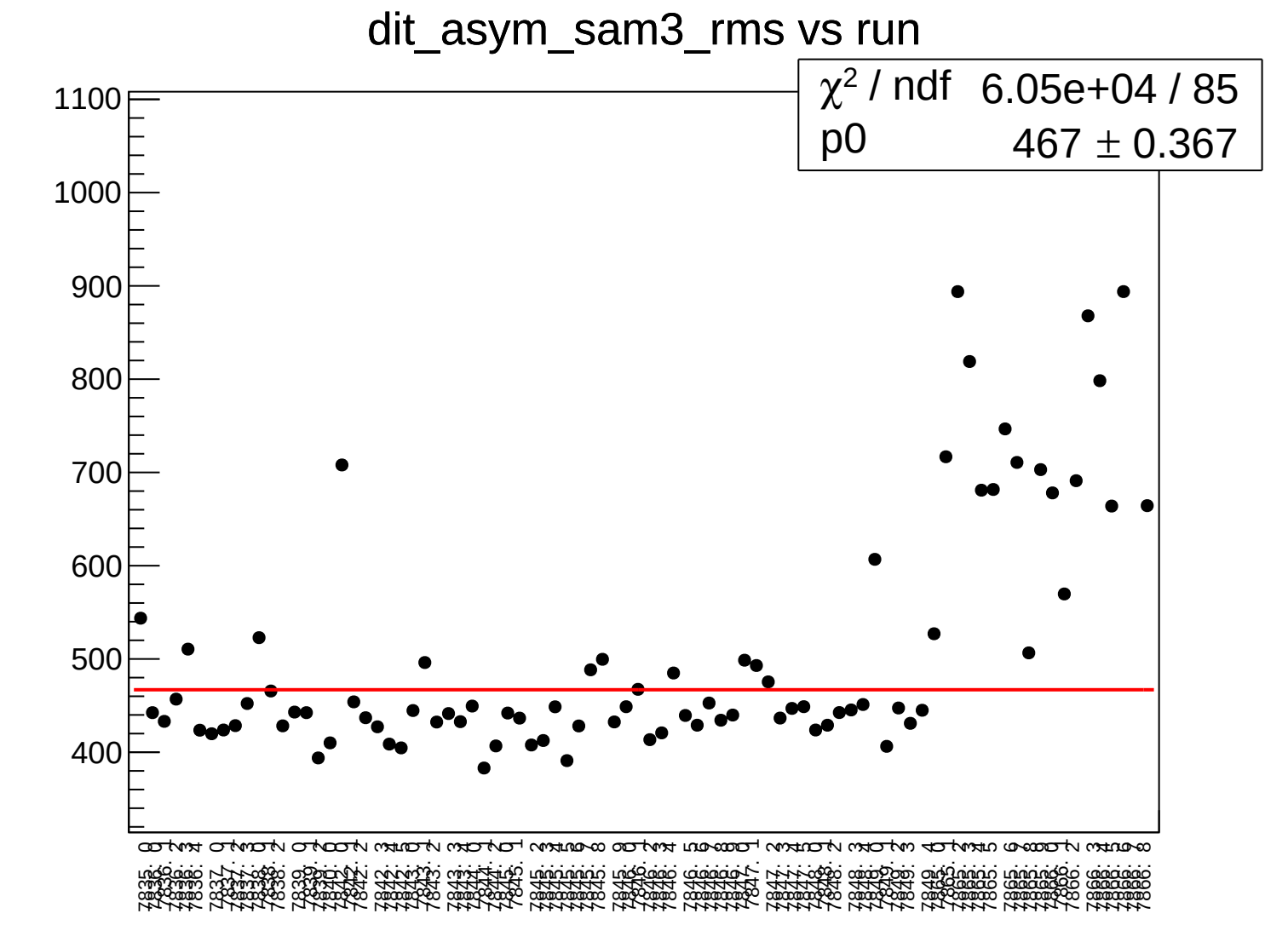

asym_sam2_mean vs run
×10^3
χ² / ndf 85.33 / 85
p0 −719.4 ± 6713
pull
Entries 86
Mean 137.8
Std Dev 108.7

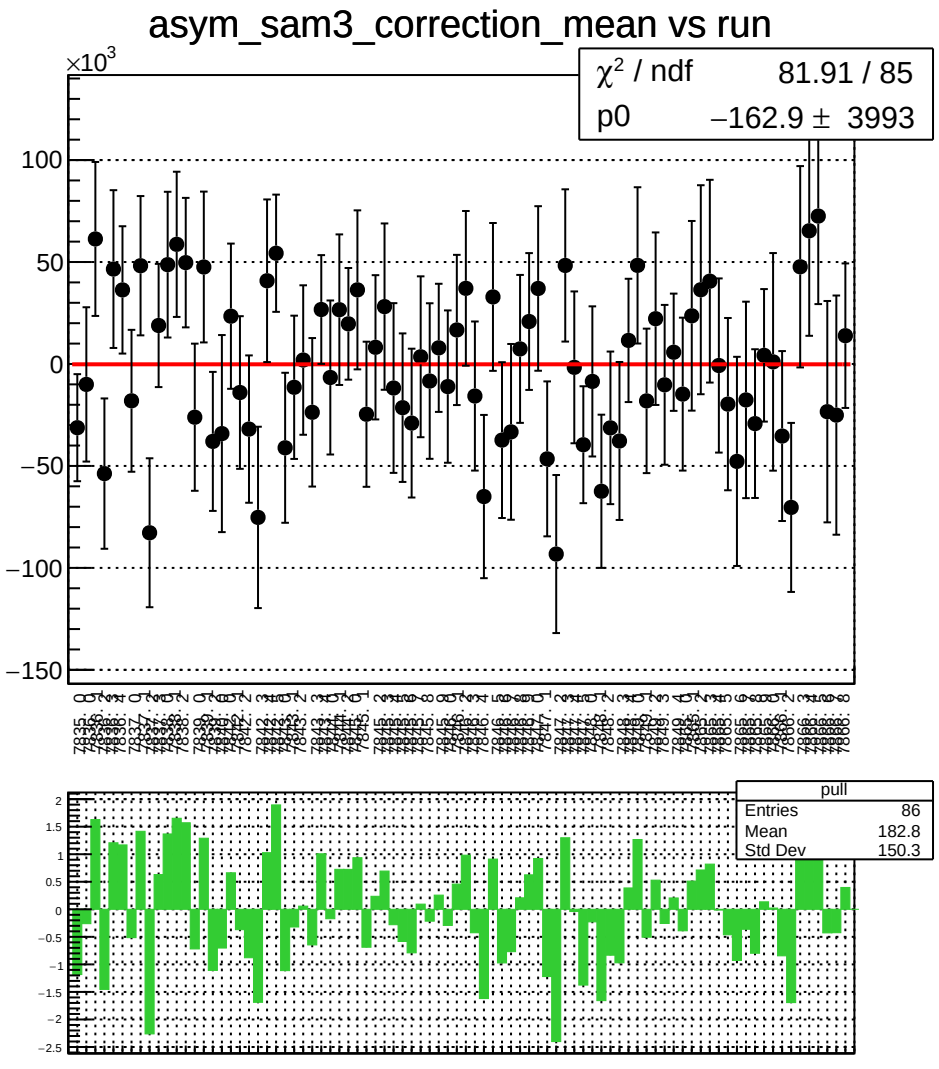

pull1D
Entries 86
Mean 0.01501
Std Dev 0.996

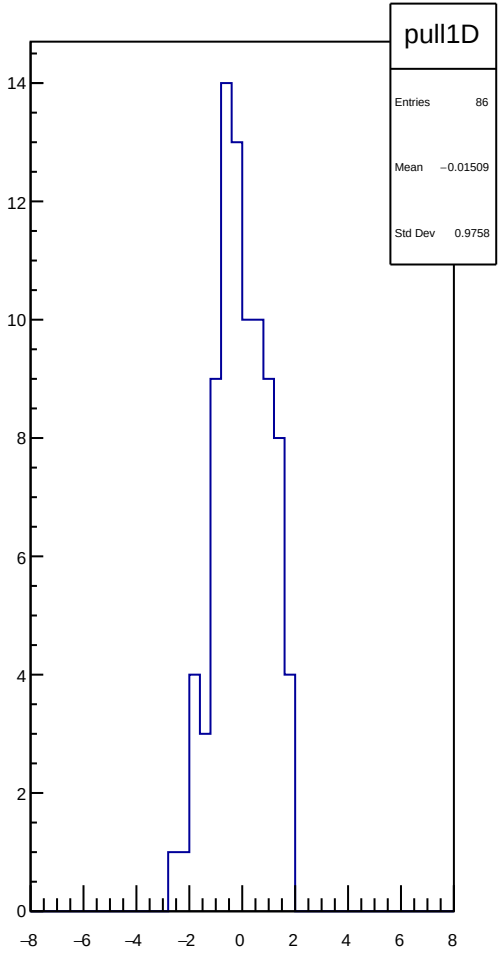

asym_sam2_rms vs run
χ^2 / ndf 1.871e+04 / 85
p0 6118 ± 4.747
9000
8500
8000
7500
7000
6500
6000
5500
5000

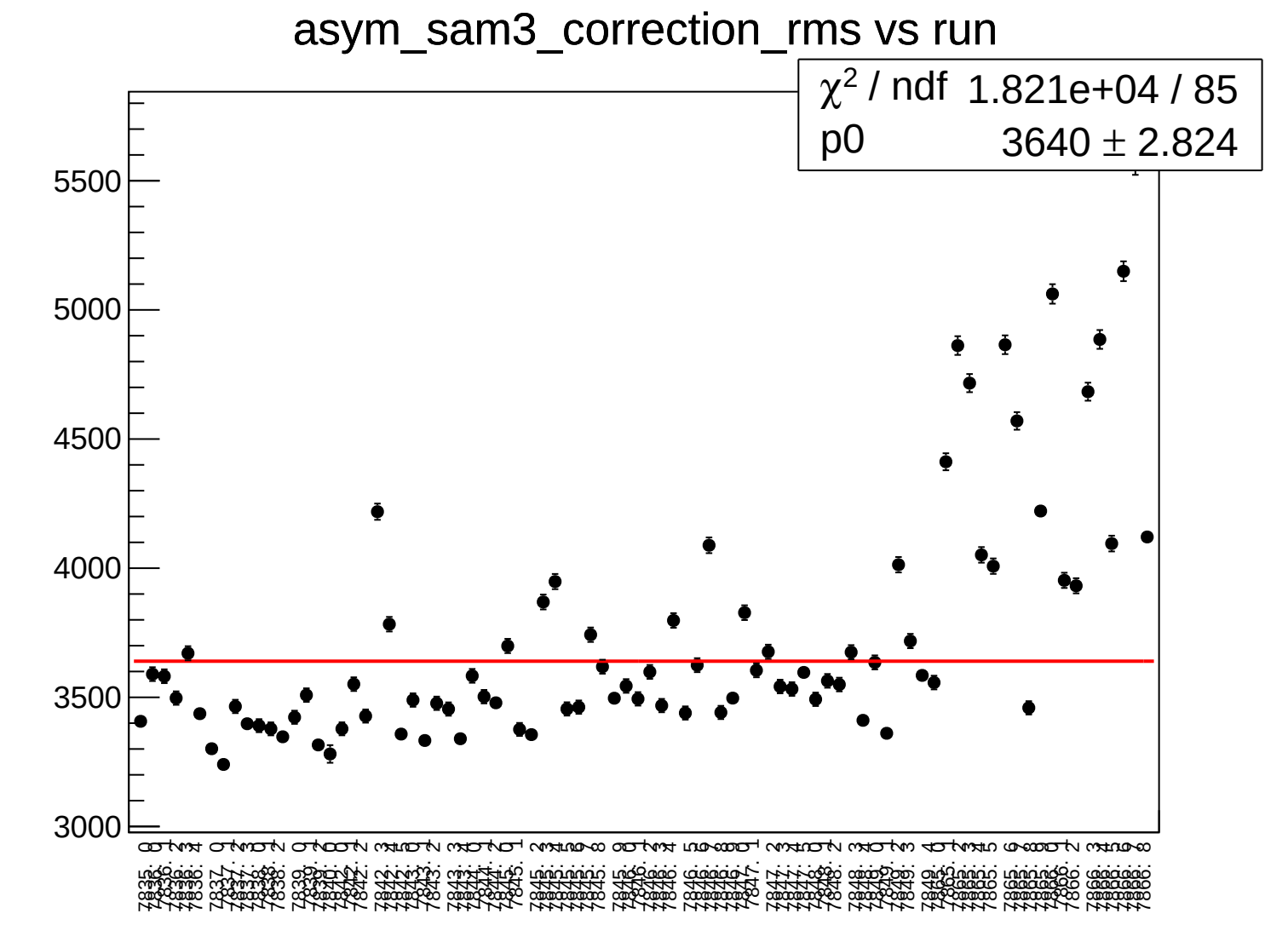

dit_asym_sam3_mean vs run
χ² / ndf 73.69 / 85
p0 236.7 ± 519
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 80.84
Std Dev 34.64
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

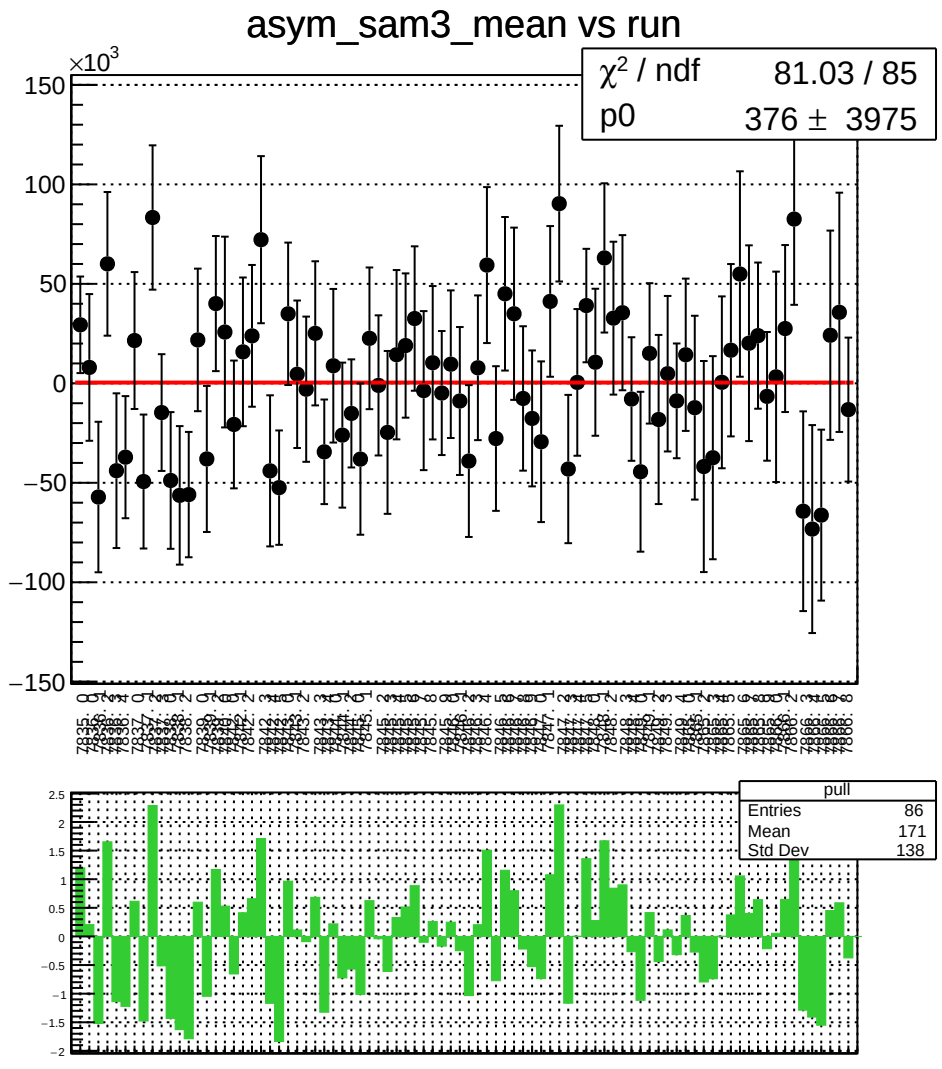

pull1D
Entries 86
Mean 0.008034
Std Dev 0.9256
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

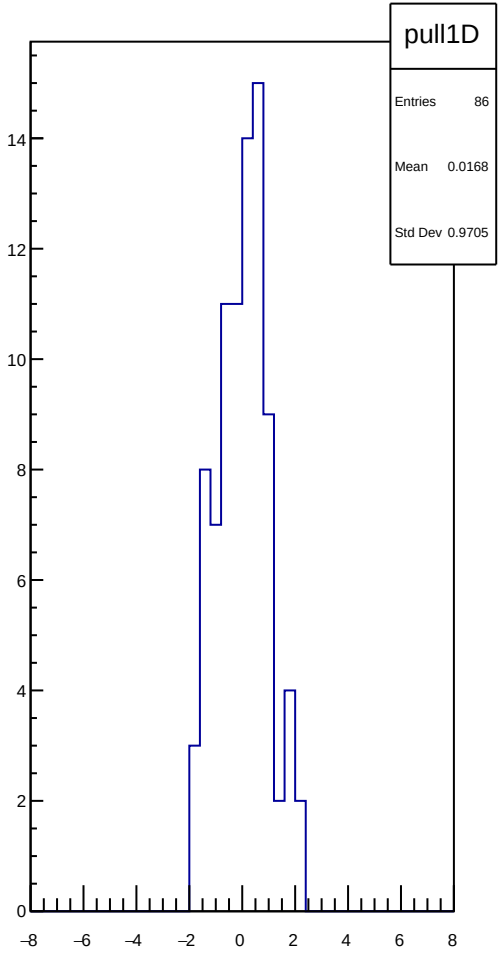

dit_asym_sam3_rms vs run
χ^2 / ndf 6.05e+04 / 85
p0 467 ± 0.367
1100
1000
900
800
700
600
500
400

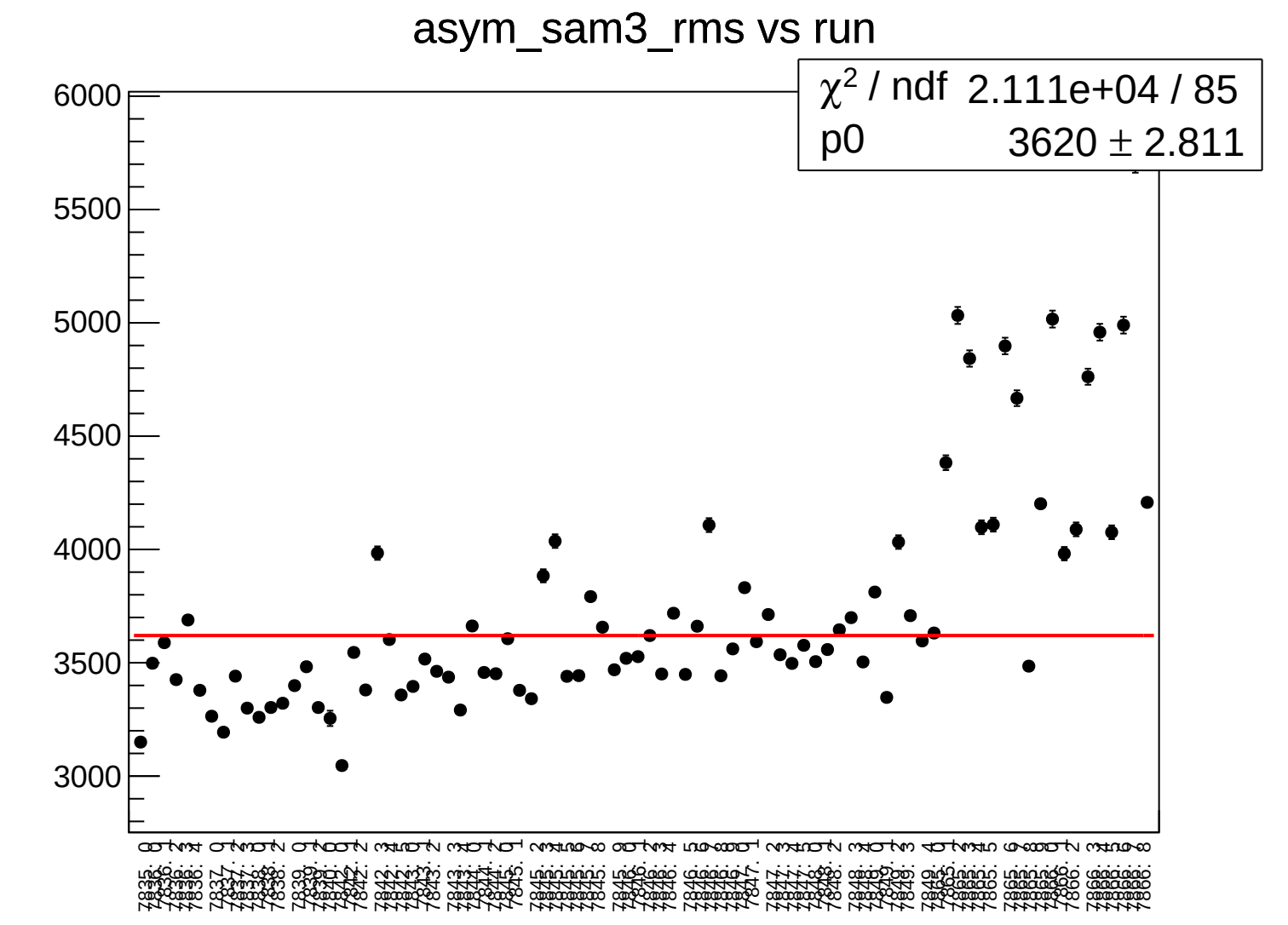

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 81.91 / 85
p0 −162.9 ± 3993
100
50
0
−50
−100
−150
pull
Entries 86
Mean 182.8
Std Dev 150.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

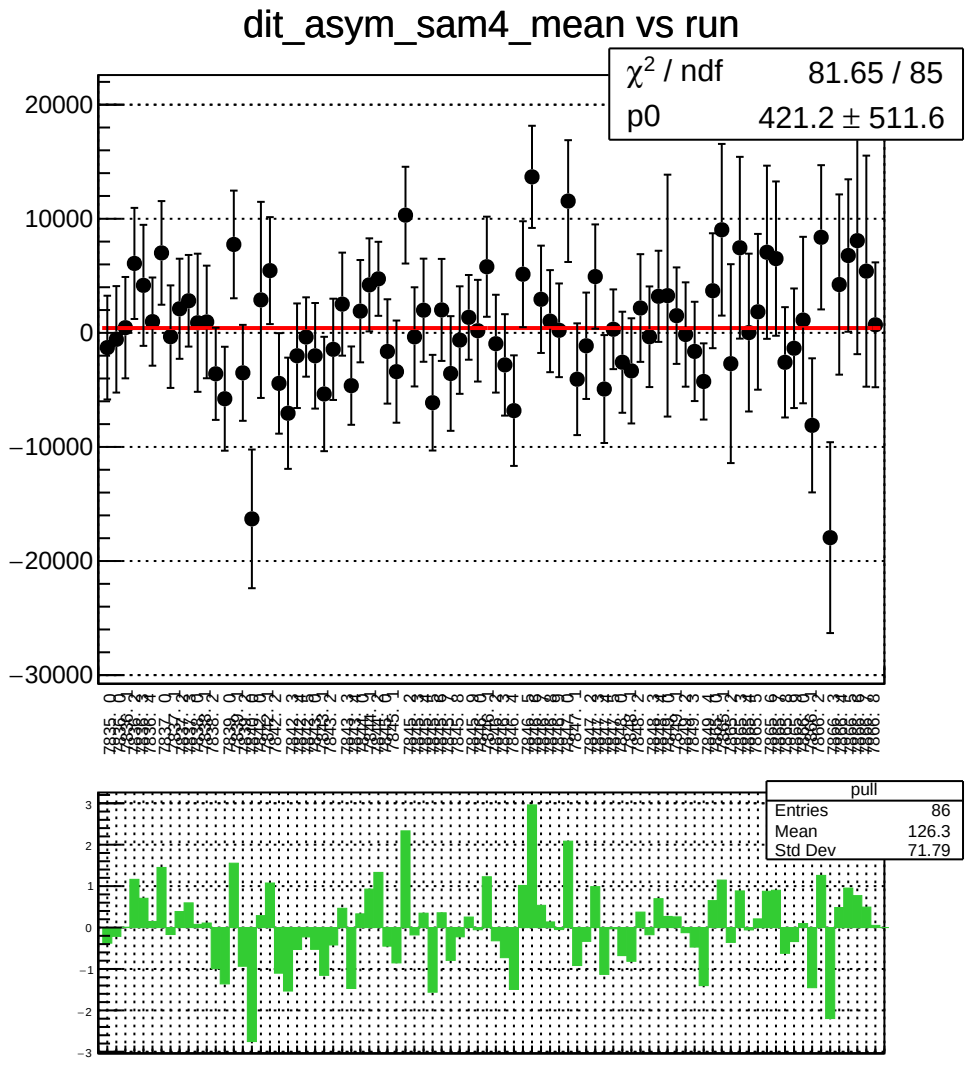

pull1D
Entries 86
Mean −0.01509
Std Dev 0.9758
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

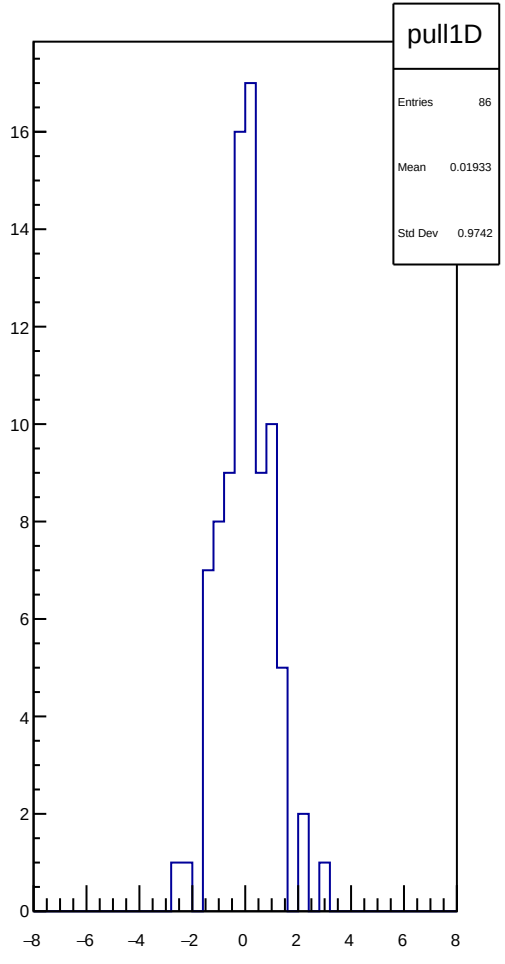

asym_sam3_correction_rms vs run
χ² / ndf 1.821e+04 / 85
p0 3640 ± 2.824
5500
5000
4500
4000
3500
3000

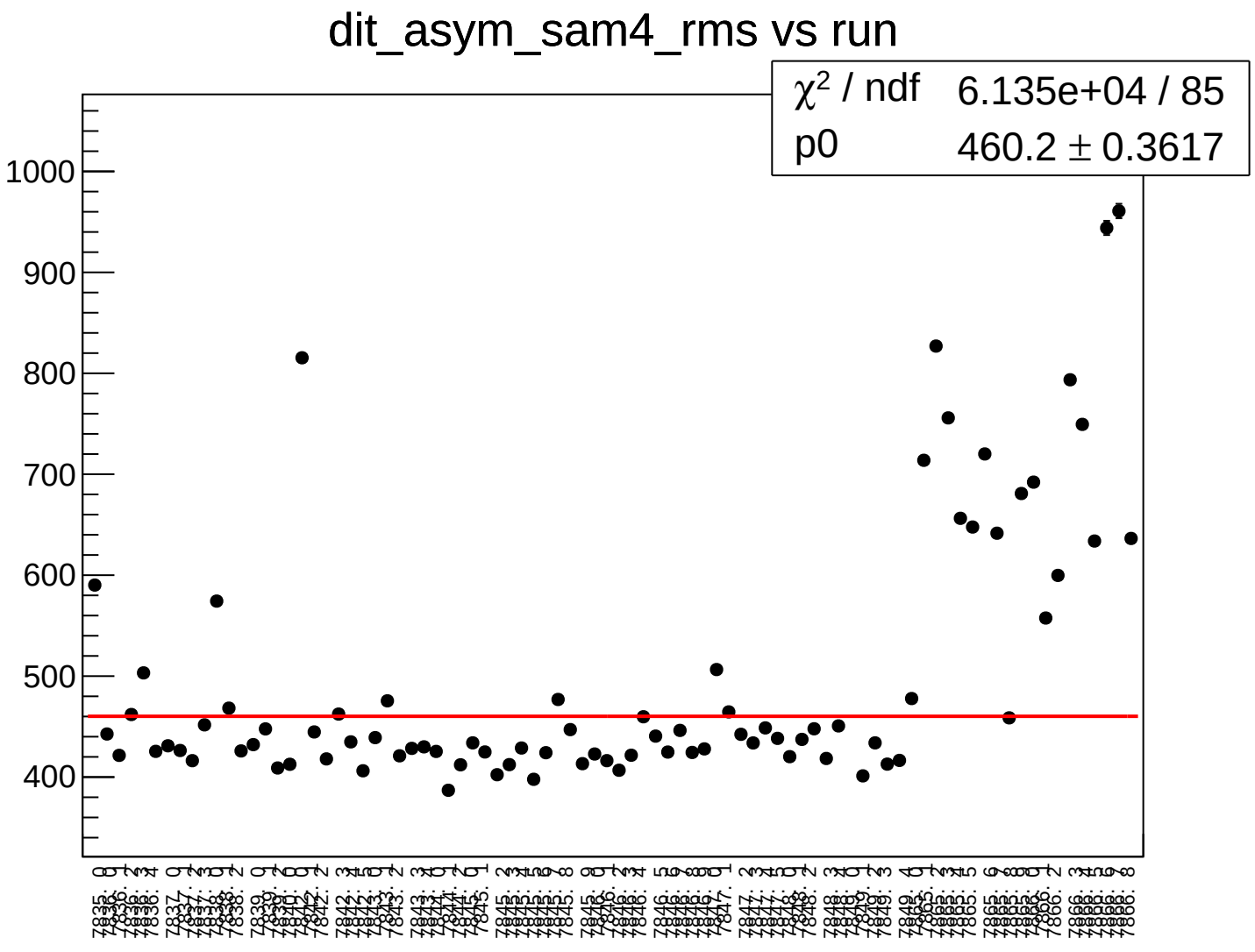

asym_sam3_mean vs run
×10^3
χ² / ndf 81.03 / 85
p0 376 ± 3975
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 171
Std Dev 138
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

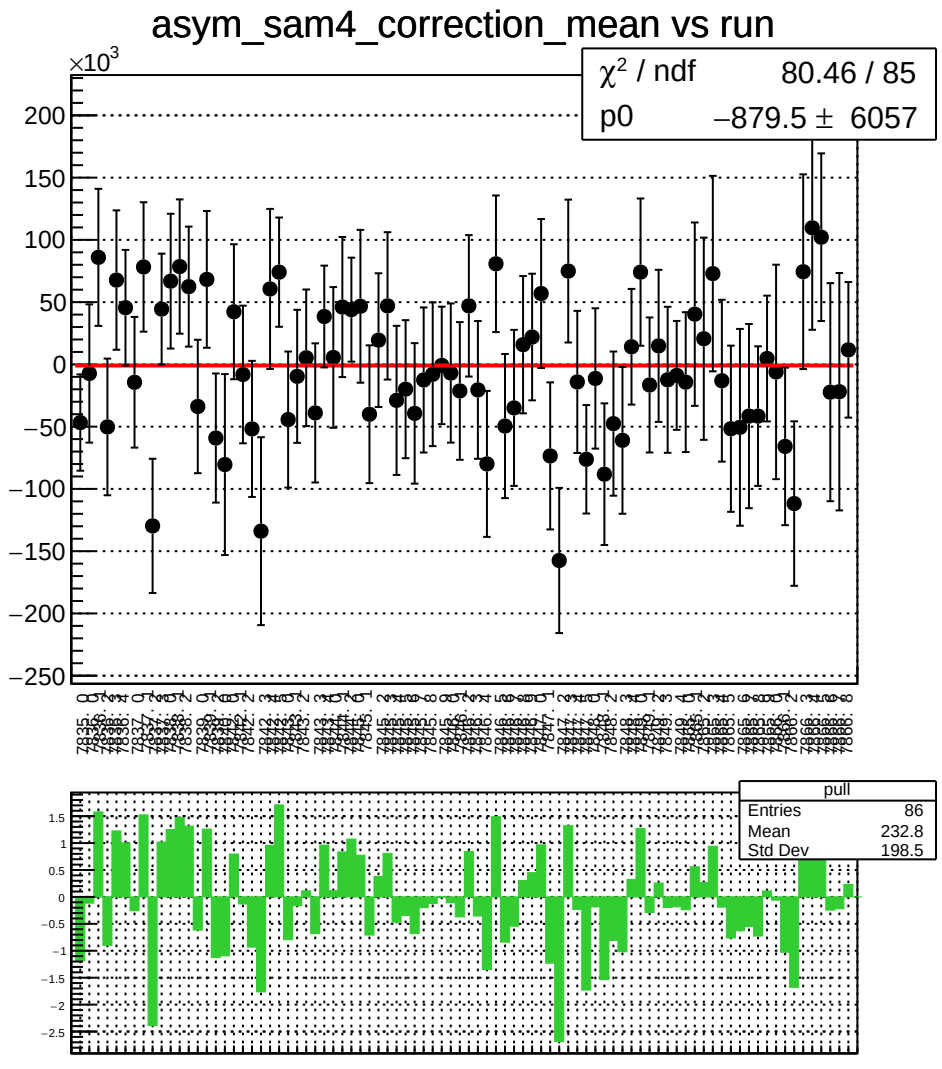

pull1D
Entries 86
Mean 0.0168
Std Dev 0.9705
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

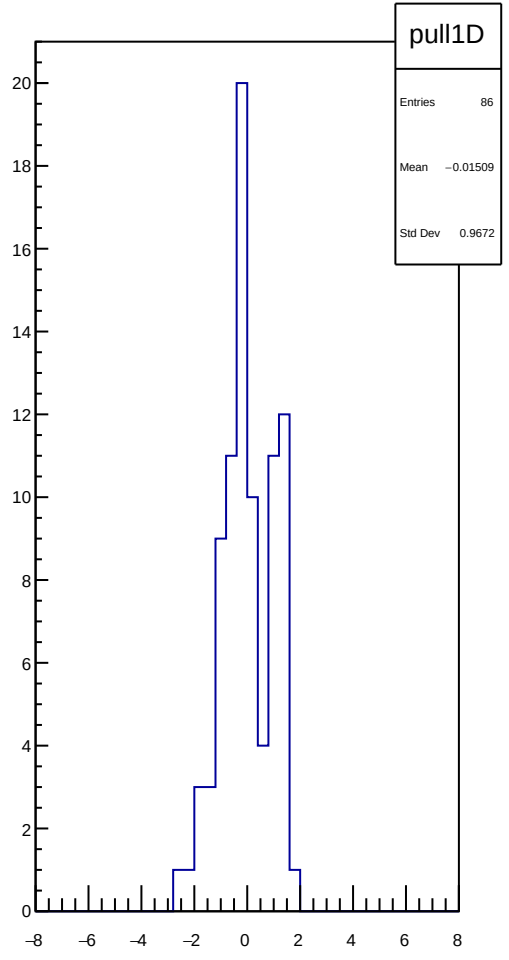

asym_sam3_rms vs run
χ^2 / ndf 2.111e+04 / 85
p0 3620 ± 2.811
6000
5500
5000
4500
4000
3500
3000

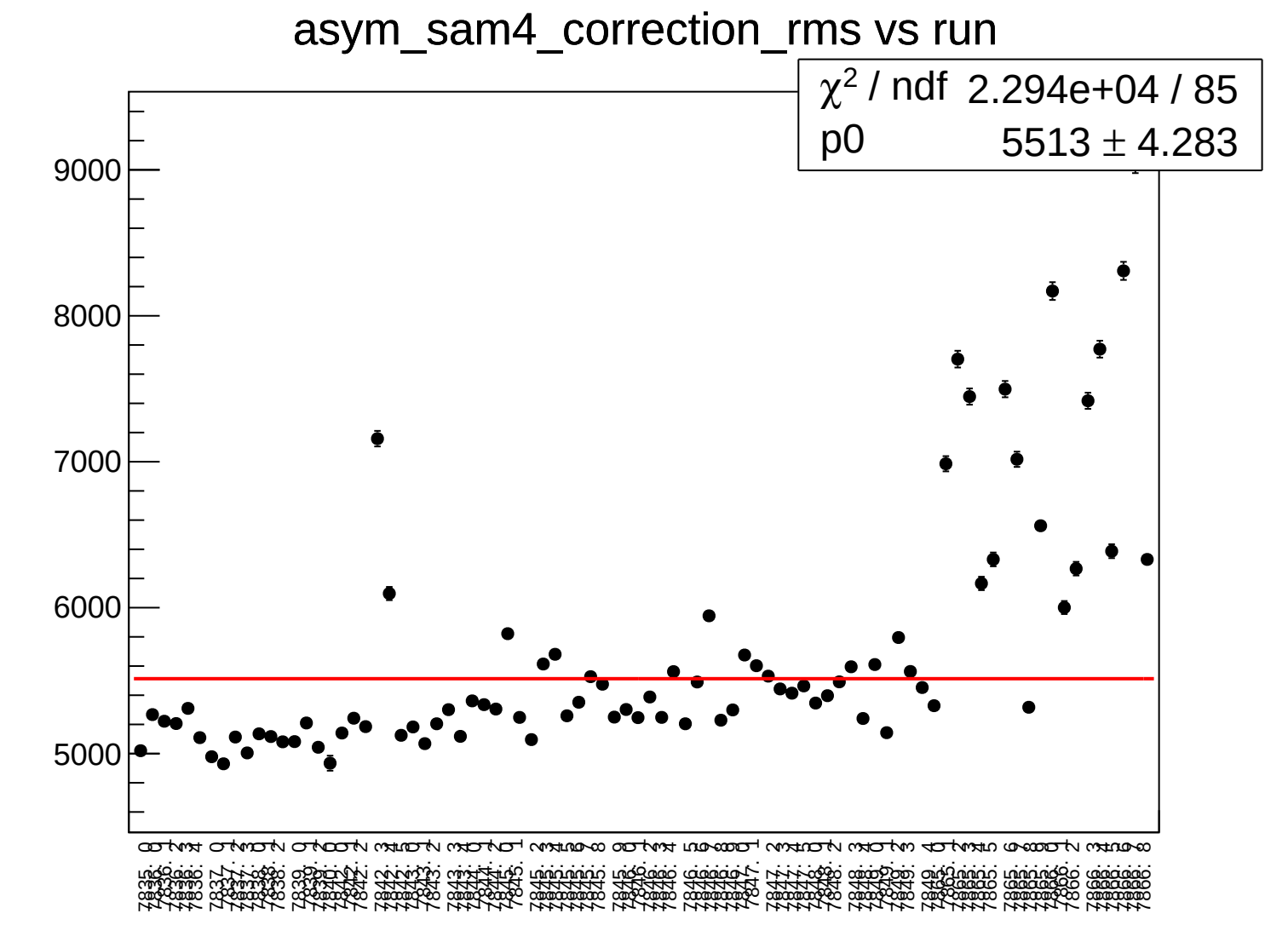

dit_asym_sam4_mean vs run
χ² / ndf 81.65 / 85
p0 421.2 ± 511.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 126.3
Std Dev 71.79
3
2
1
0
−1
−2
−3

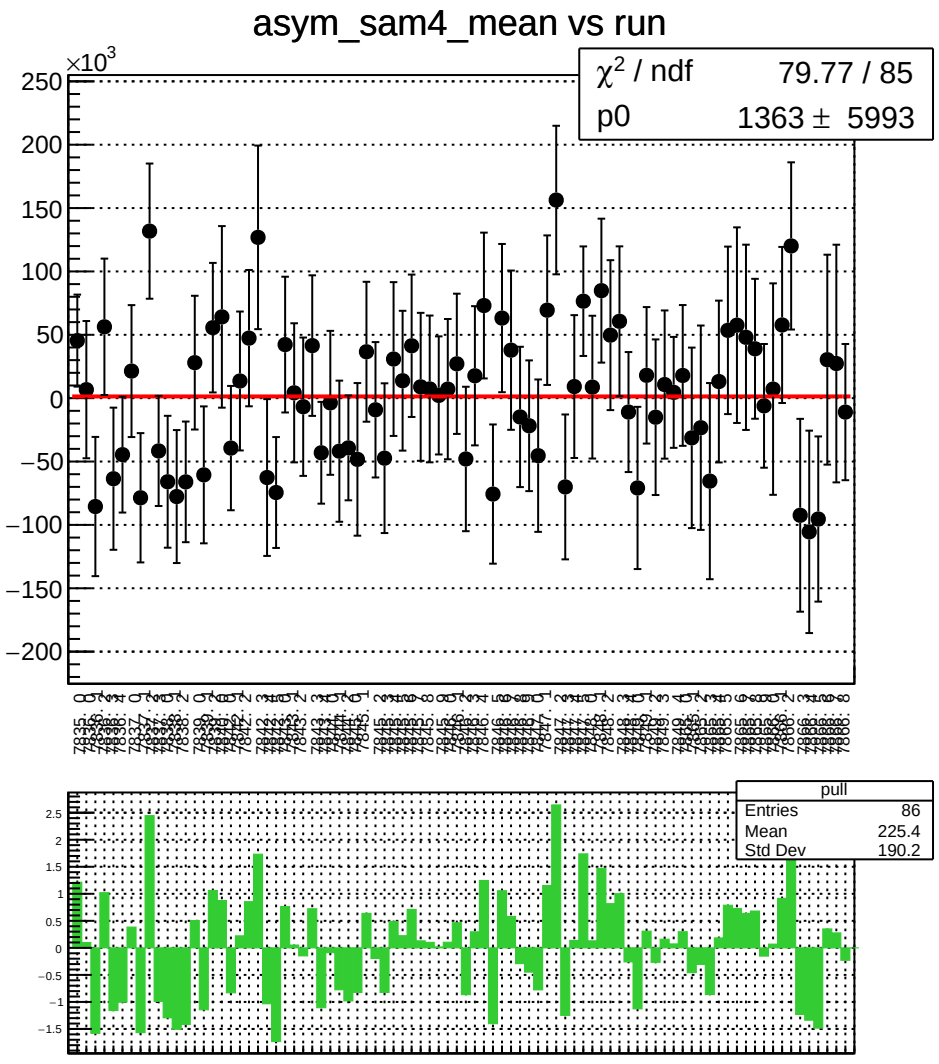

pull1D
Entries 86
Mean 0.01933
Std Dev 0.9742
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

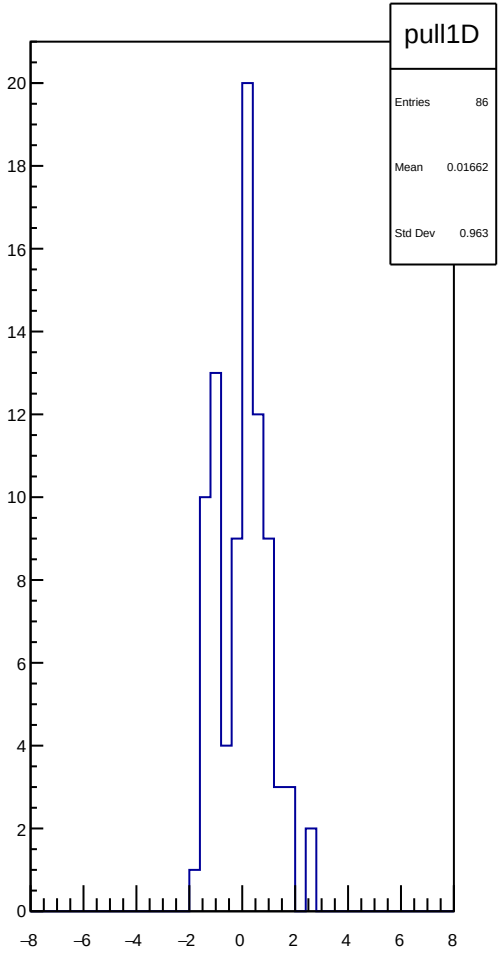

dit_asym_sam4_rms vs run
χ² / ndf 6.135e+04 / 85
p0 460.2 ± 0.3617
1000
900
800
700
600
500
400

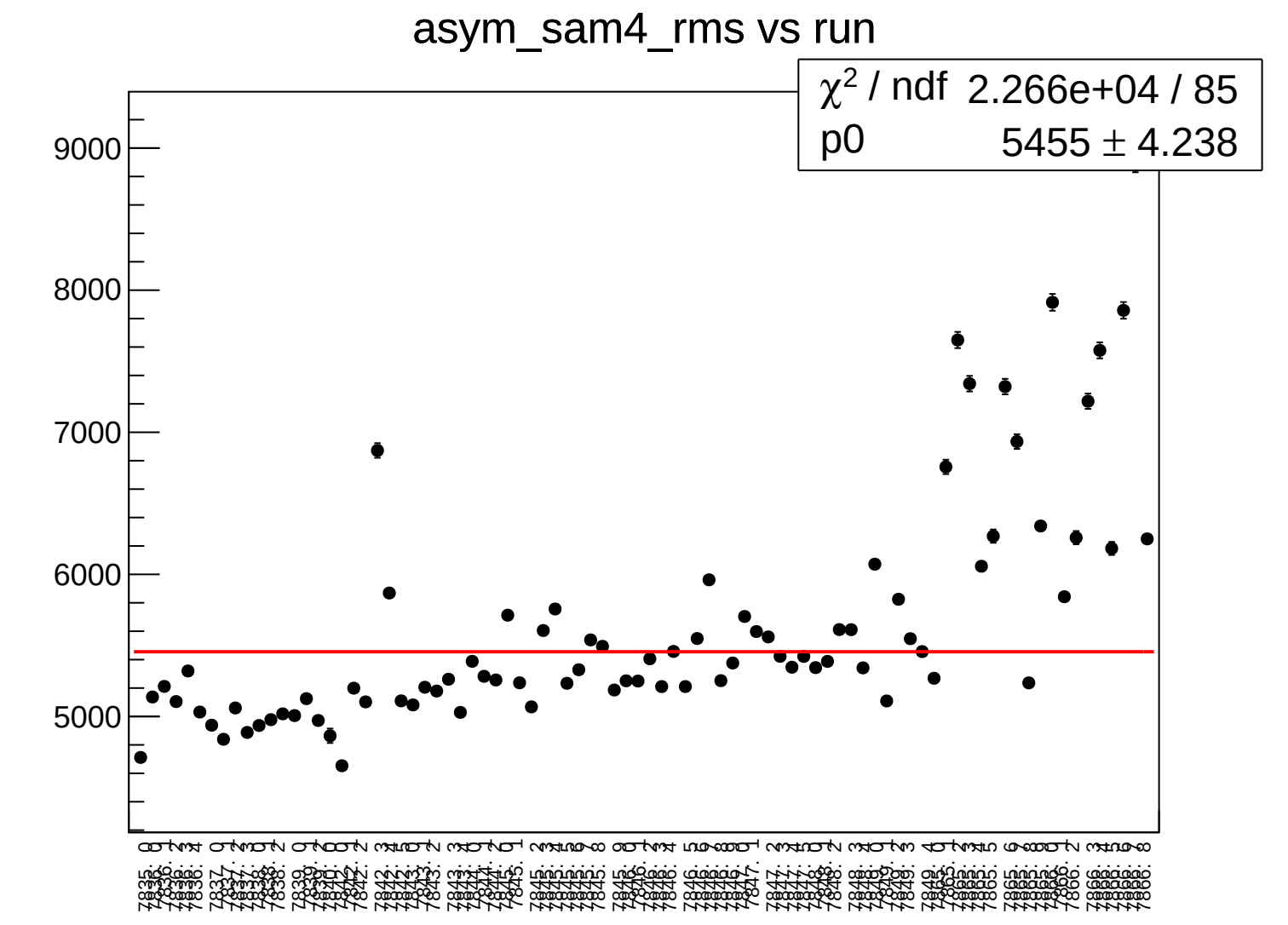

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 80.46 / 85
p0 −879.5 ± 6057
pull
Entries 86
Mean 232.8
Std Dev 198.5

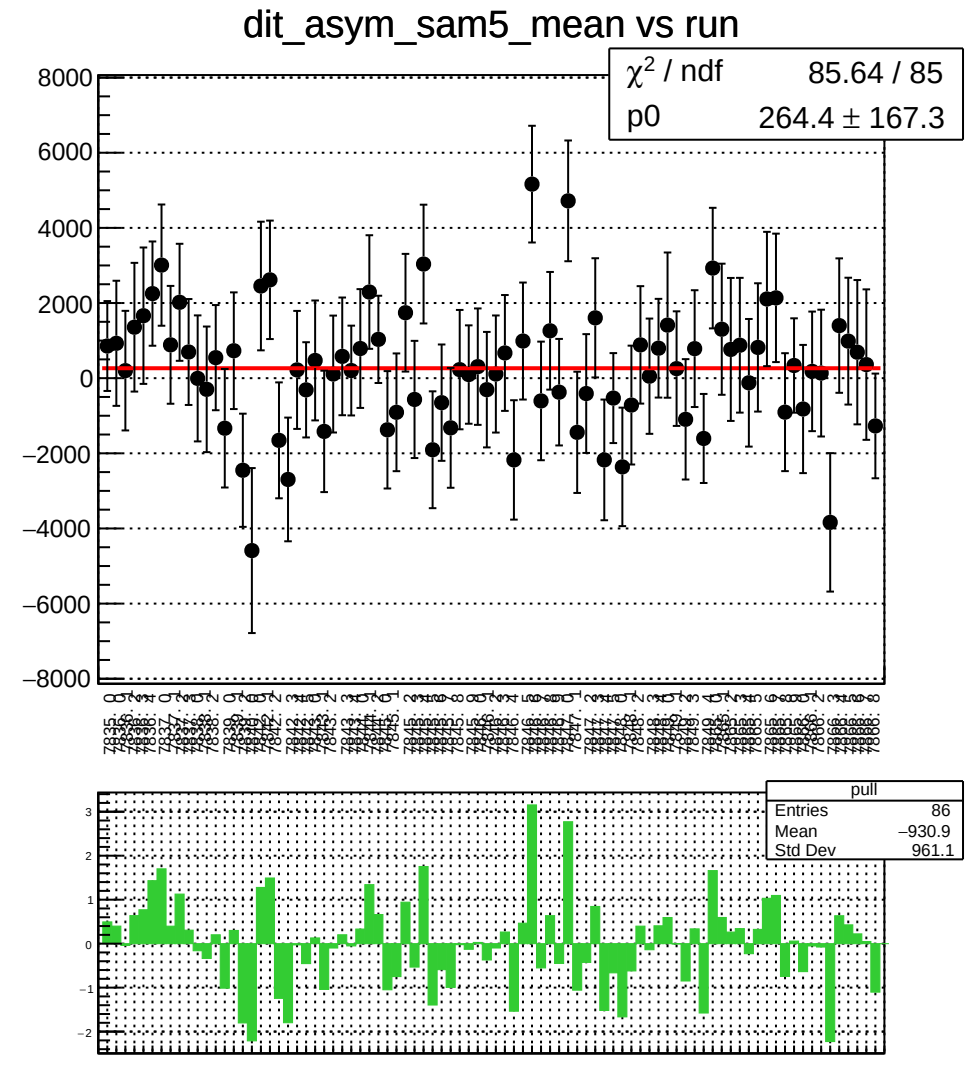

pull1D
Entries 86
Mean −0.01509
Std Dev 0.9672

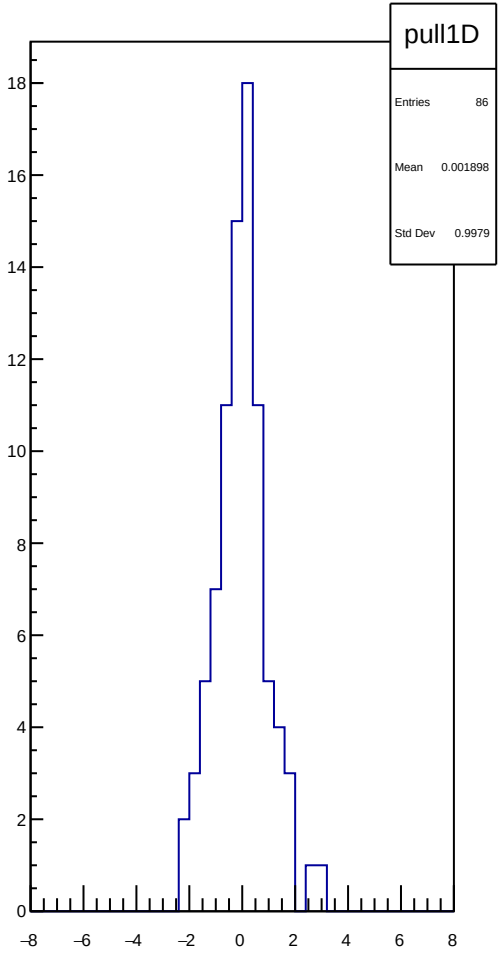

asym_sam4_correction_rms vs run
χ^2 / ndf 2.294e+04 / 85
p0 5513 ± 4.283
9000
8000
7000
6000
5000

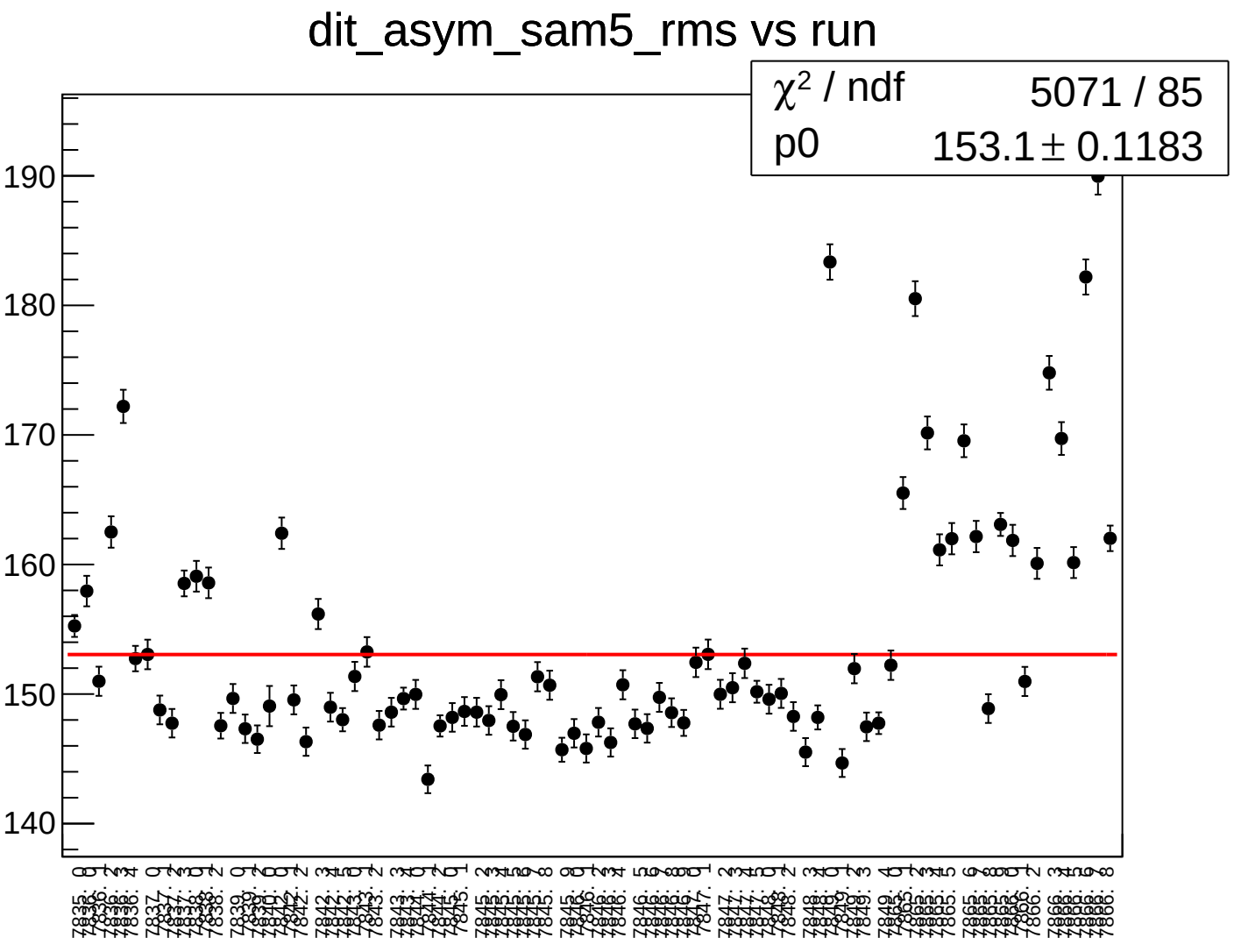

asym_sam4_mean vs run
×10^3
χ² / ndf 79.77 / 85
p0 1363 ± 5993
pull
Entries 86
Mean 225.4
Std Dev 190.2

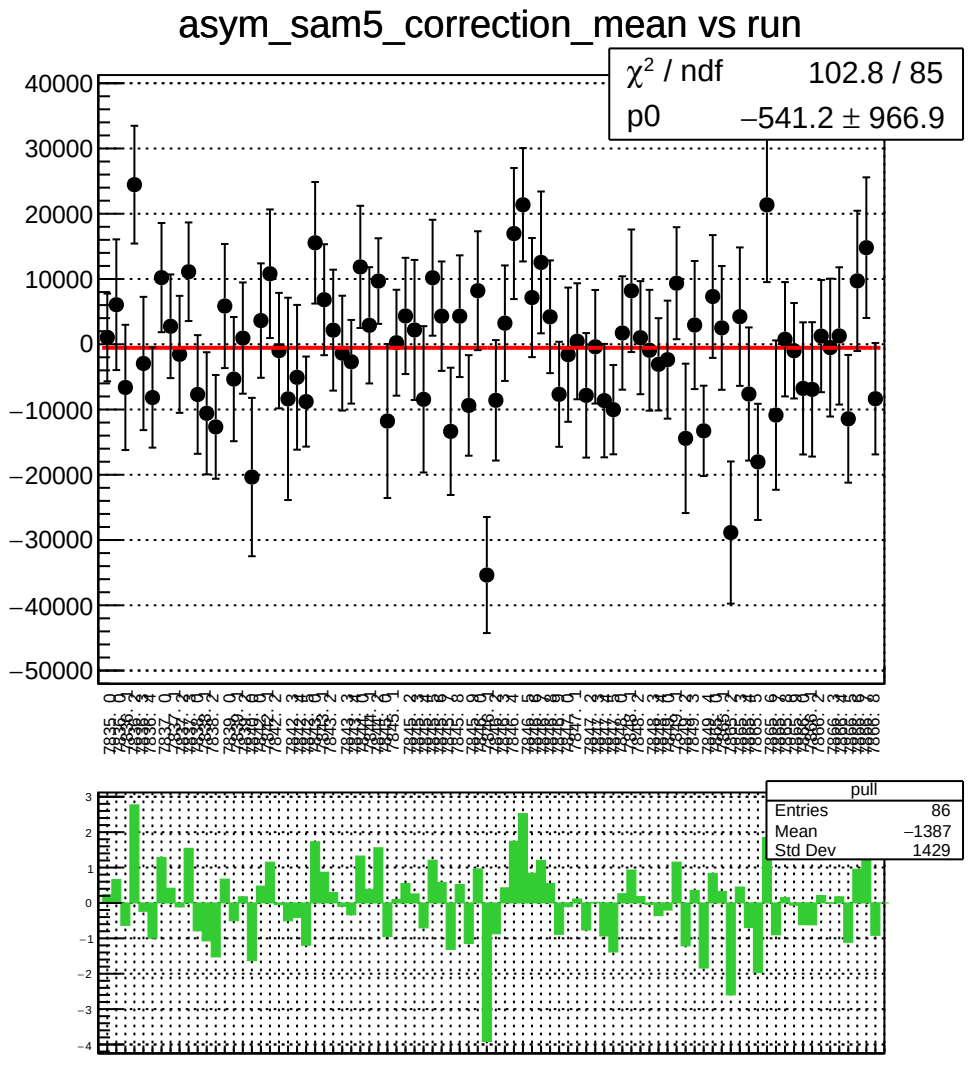

pull1D
Entries 86
Mean 0.01662
Std Dev 0.963

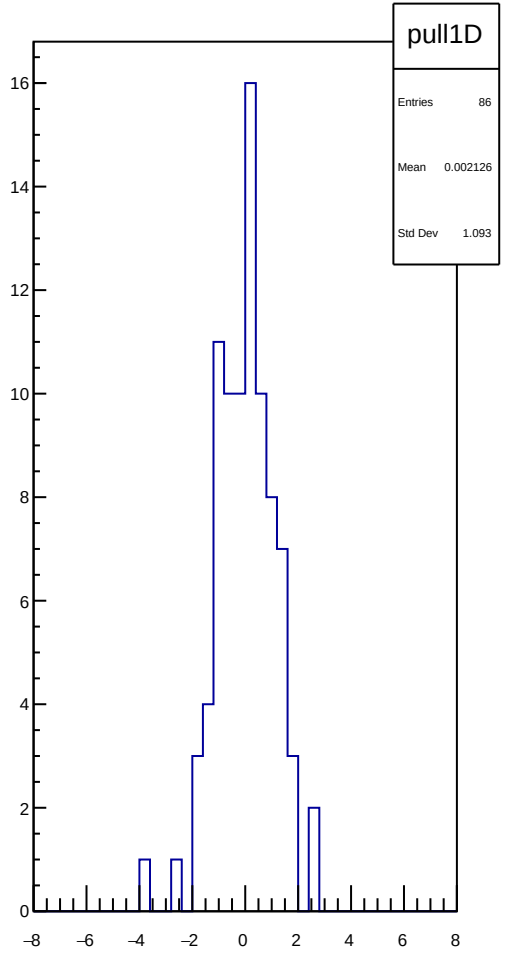

asym_sam4_rms vs run
χ² / ndf 2.266e+04 / 85
p0 5455 ± 4.238
9000
8000
7000
6000
5000

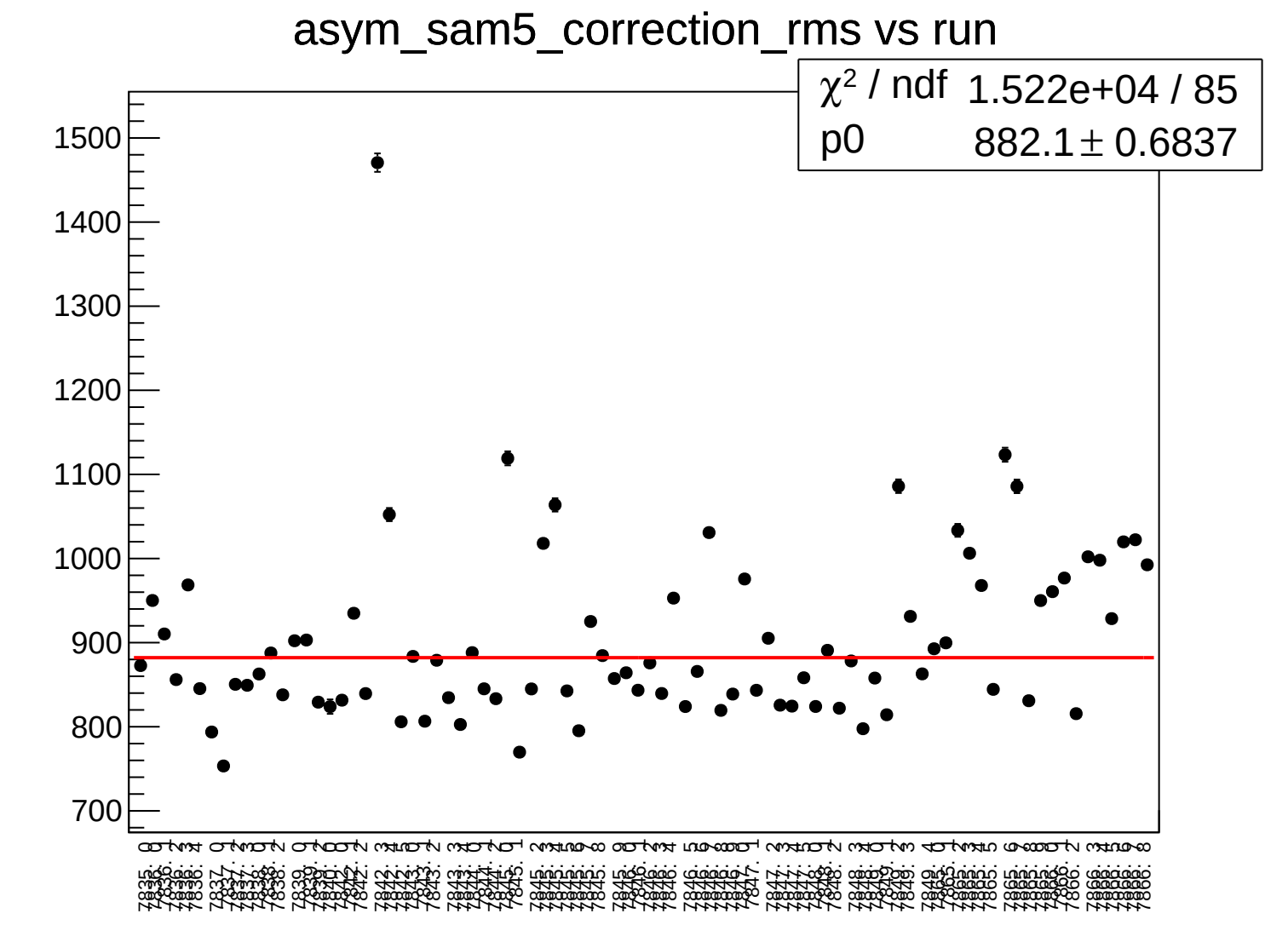

dit_asym_sam5_mean vs run
χ^2 / ndf 85.64 / 85
p0 264.4 ± 167.3
pull
Entries 86
Mean −930.9
Std Dev 961.1

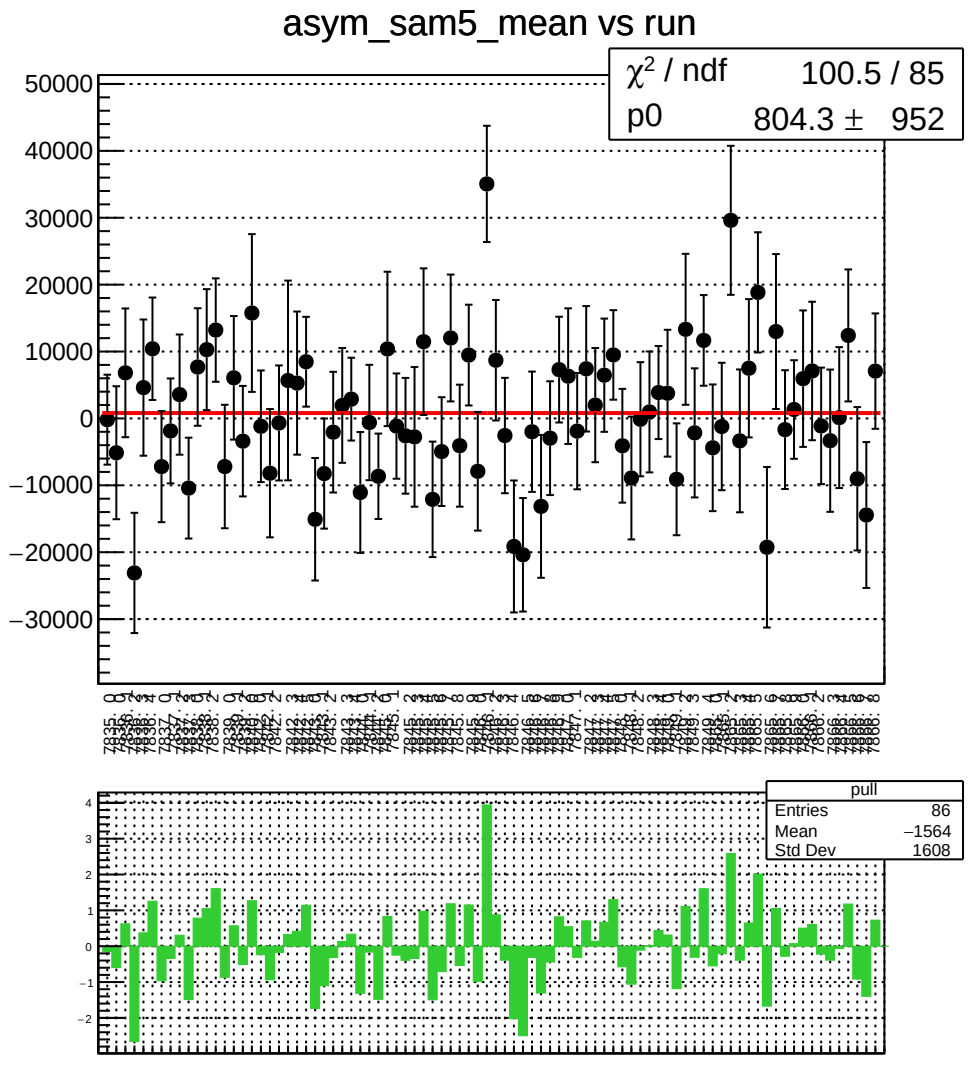

pull1D
Entries 86
Mean 0.001898
Std Dev 0.9979

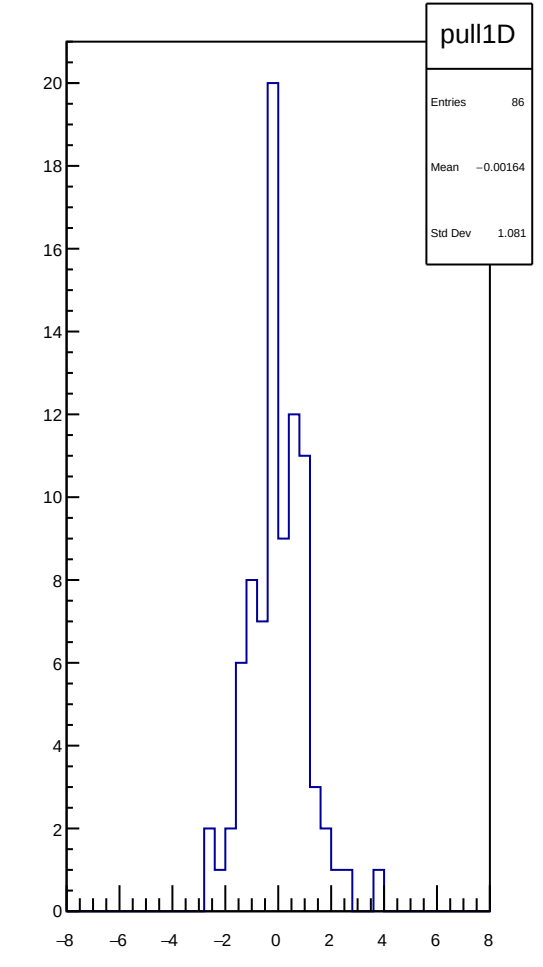

dit_asym_sam5_rms vs run
χ² / ndf 5071 / 85
p0 153.1 ± 0.1183
190
180
170
160
150
140

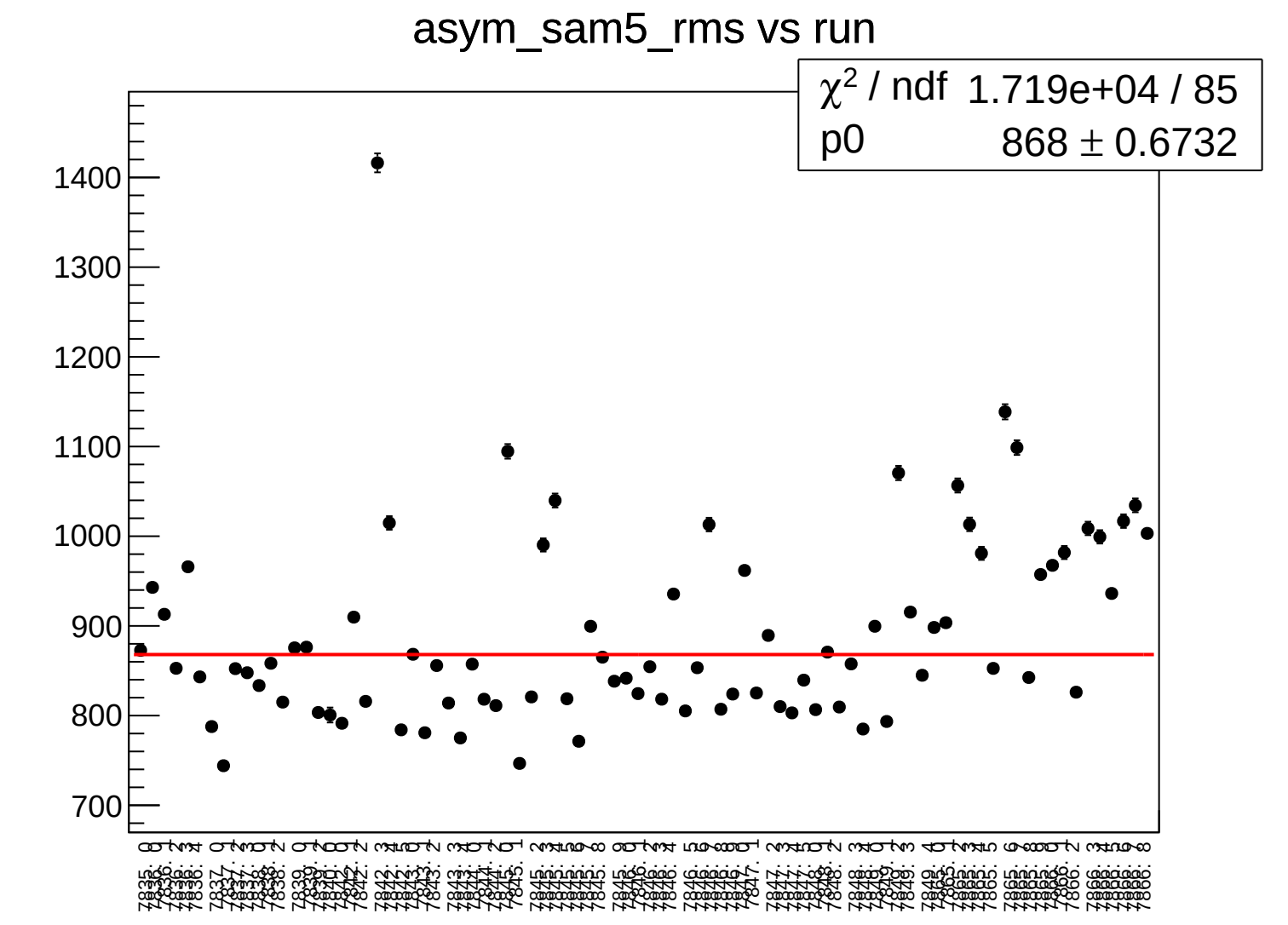

asym_sam5_correction_mean vs run
χ² / ndf 102.8 / 85
p0 −541.2 ± 966.9
pull
Entries 86
Mean −1387
Std Dev 1429

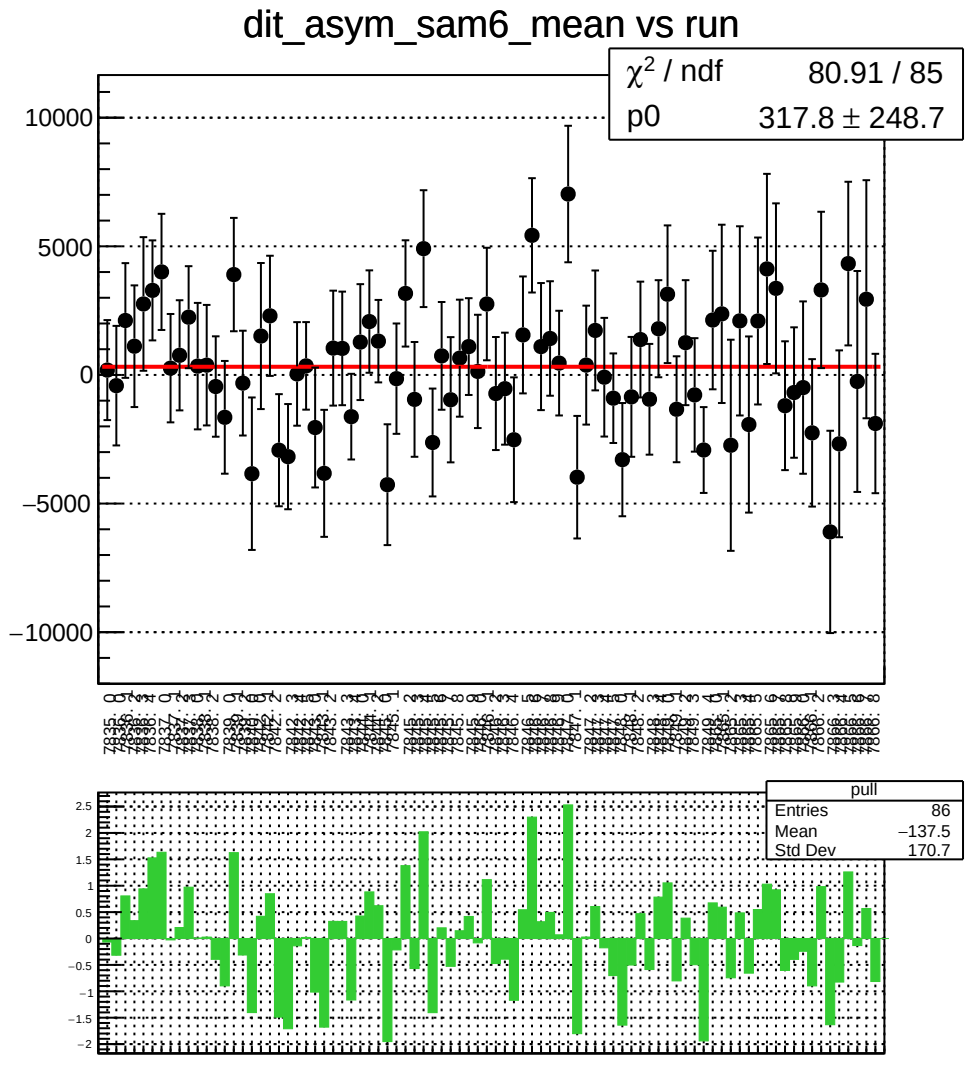

pull1D
Entries 86
Mean 0.002126
Std Dev 1.093

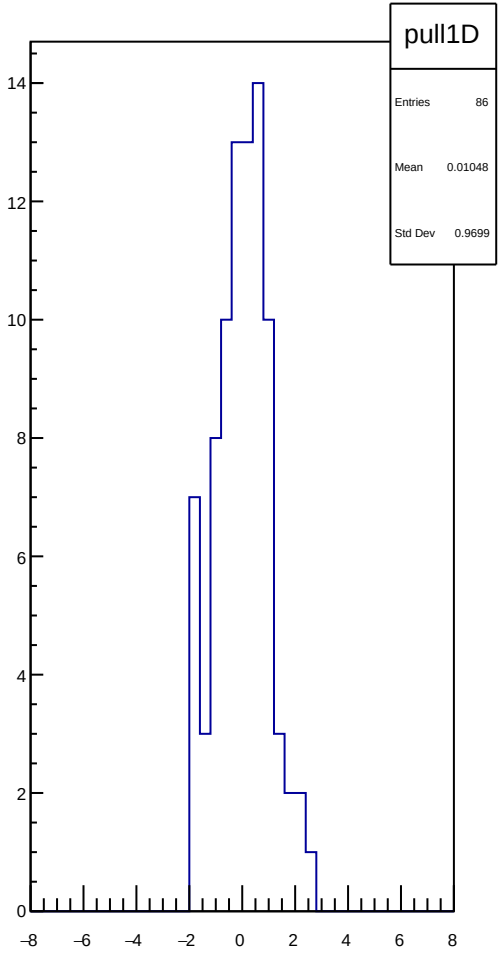

asym_sam5_correction_rms vs run
χ² / ndf 1.522e+04 / 85
p0 882.1 ± 0.6837
1500
1400
1300
1200
1100
1000
900
800
700

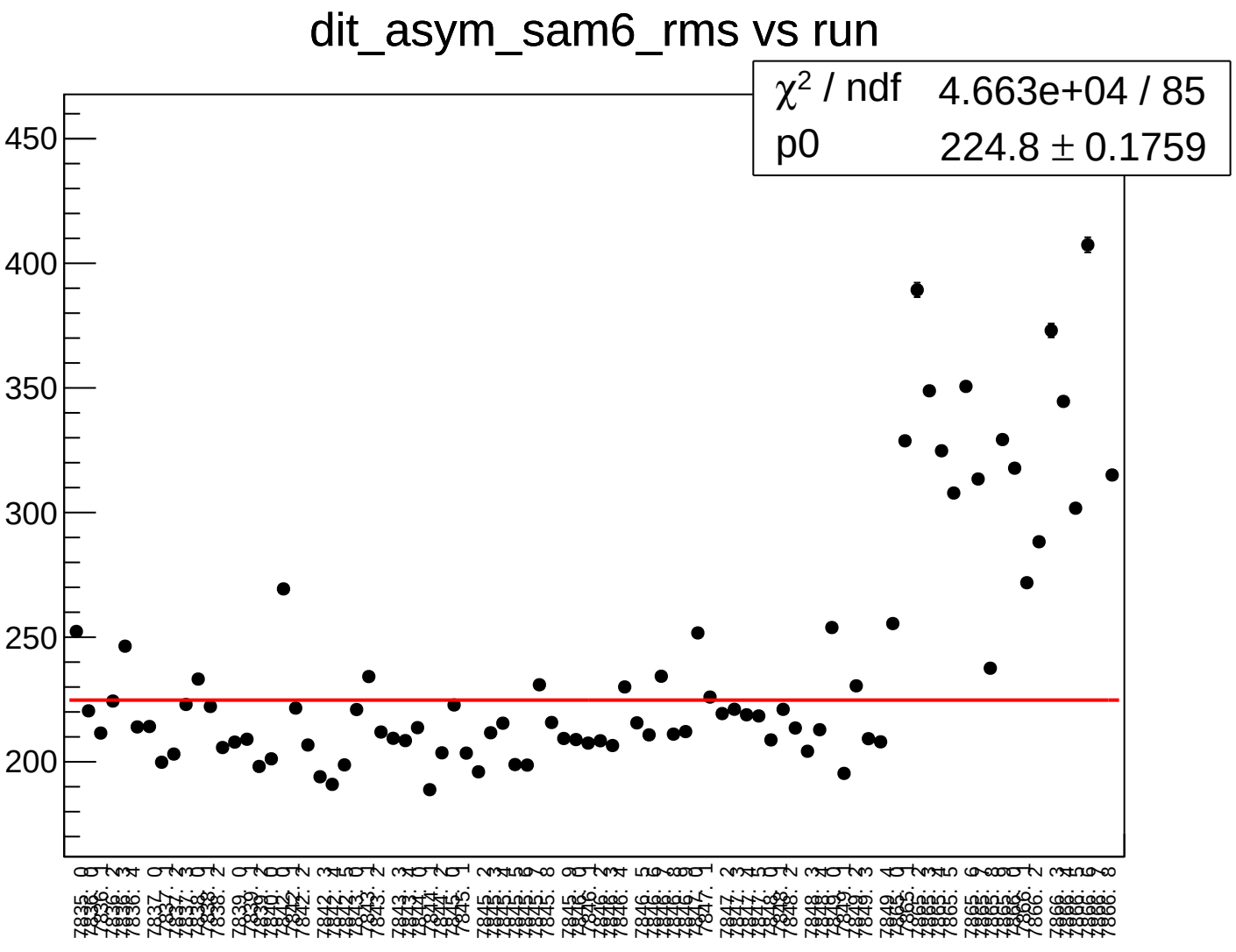

asym_sam5_mean vs run
χ² / ndf 100.5 / 85
p0 804.3 ± 952
pull
Entries 86
Mean −1564
Std Dev 1608

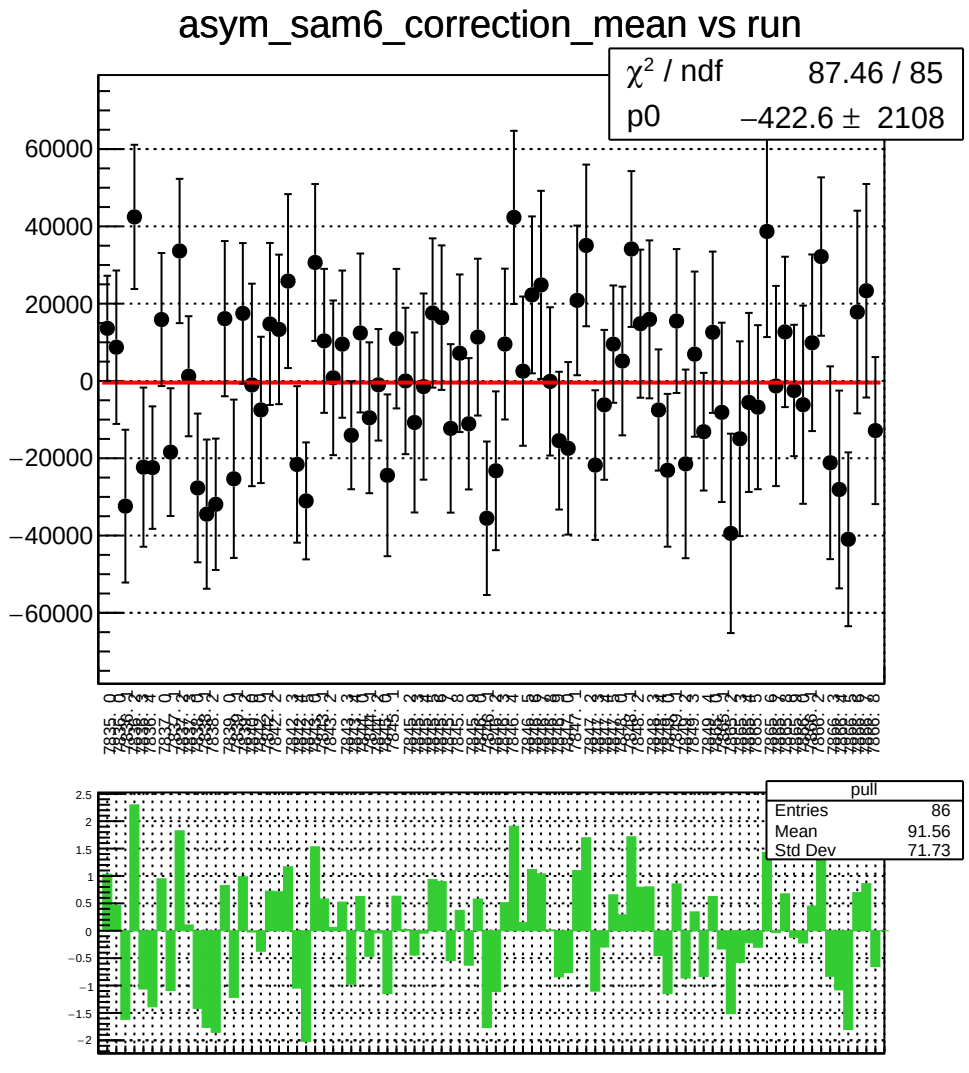

pull1D
Entries 86
Mean −0.00164
Std Dev 1.081

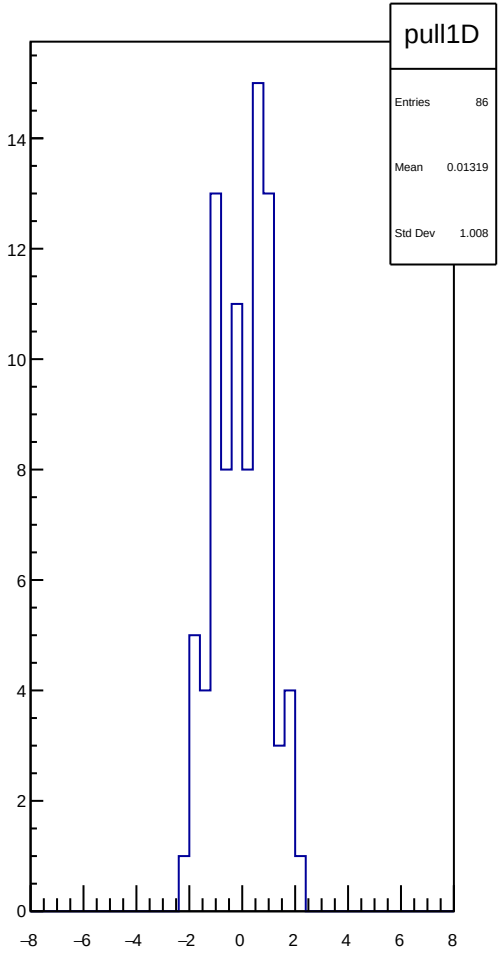

asym_sam5_rms vs run
χ^2 / ndf 1.719e+04 / 85
p0 868 ± 0.6732
1400
1300
1200
1100
1000
900
800
700

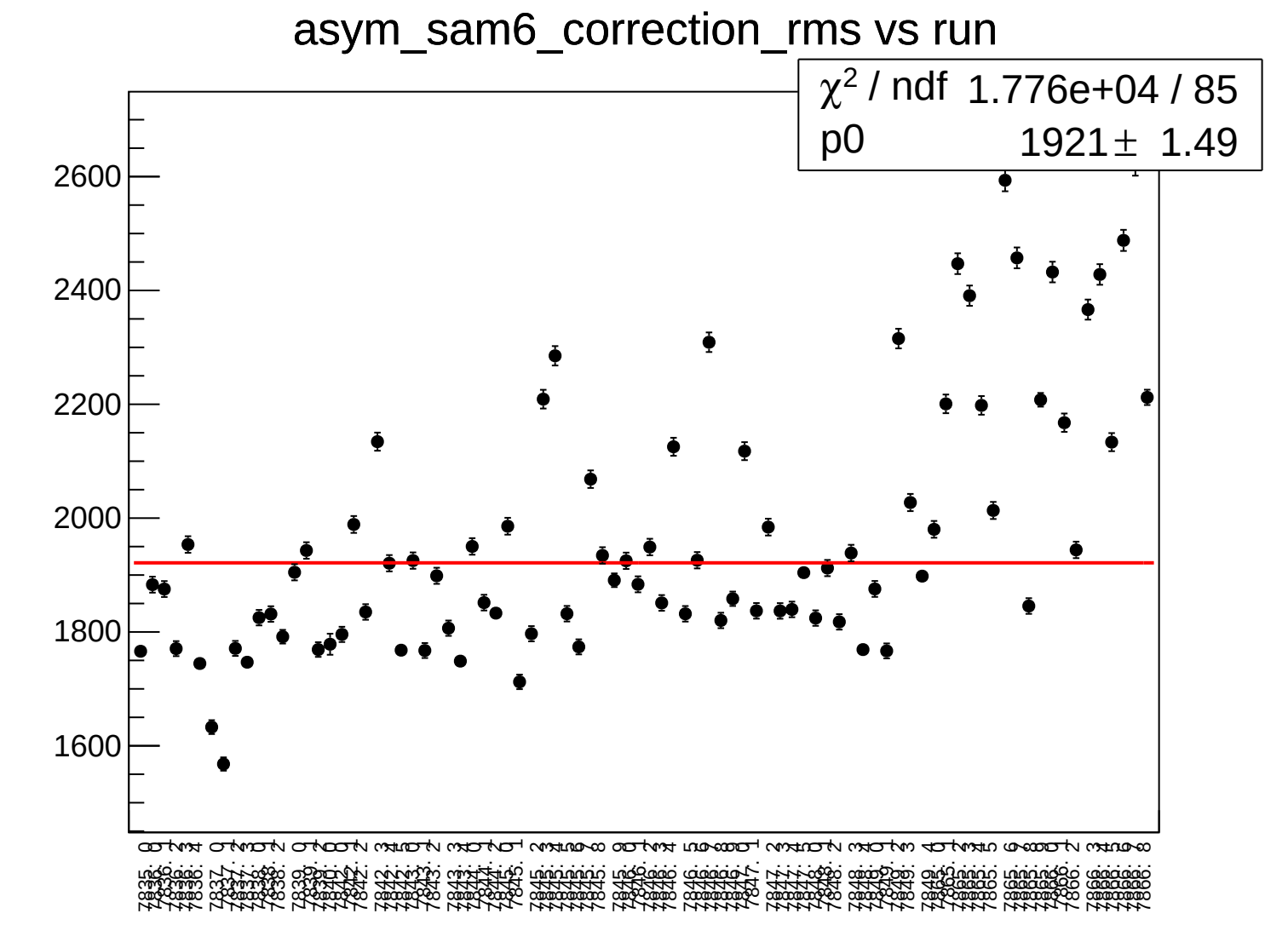

dit_asym_sam6_mean vs run
χ^2 / ndf 80.91 / 85
p0 317.8 ± 248.7
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −137.5
Std Dev 170.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

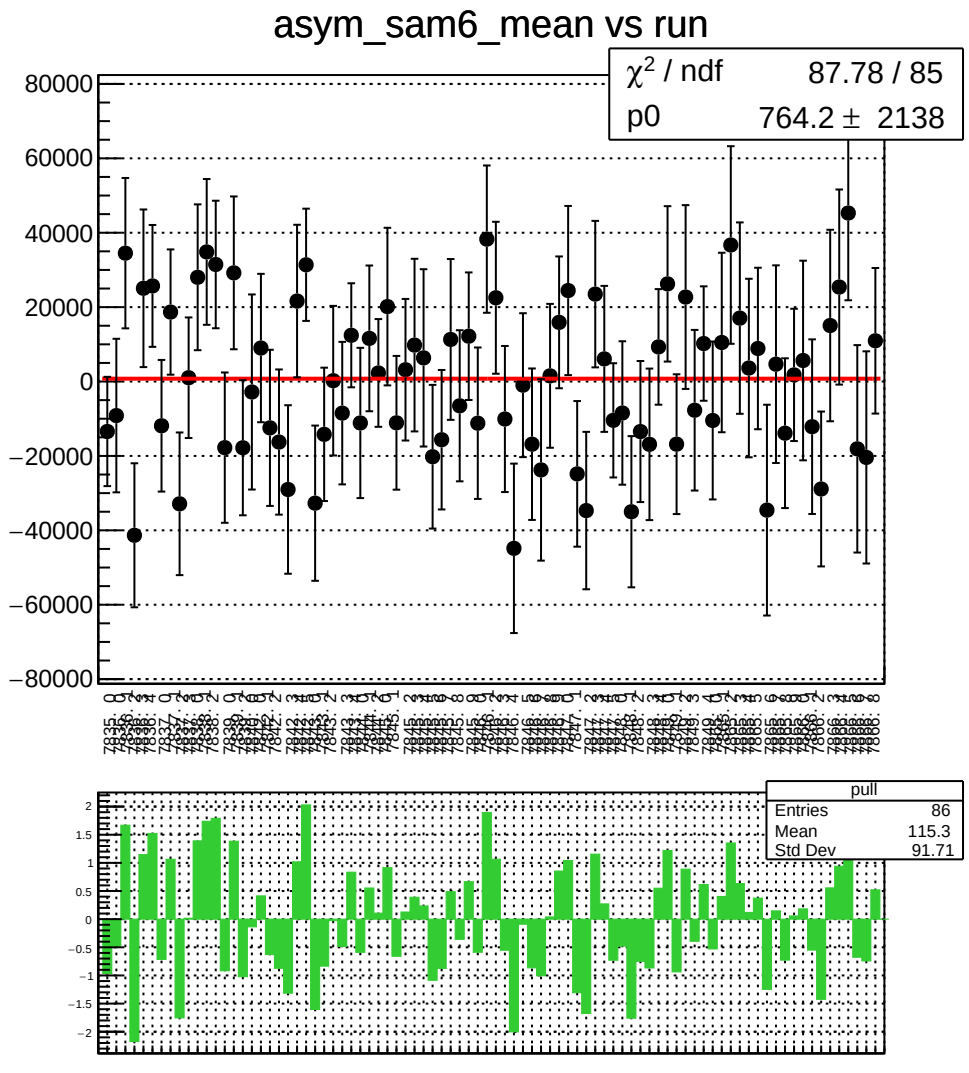

pull1D
Entries 86
Mean 0.01048
Std Dev 0.9699
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

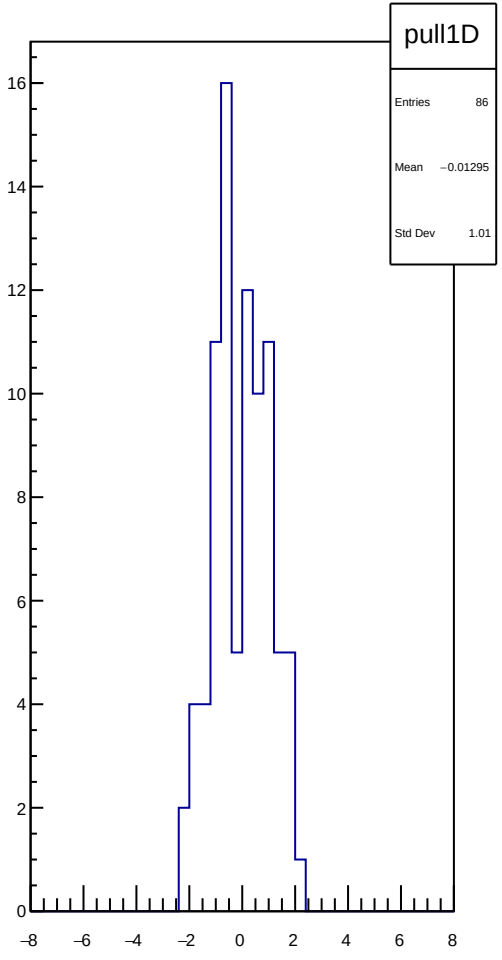

dit_asym_sam6_rms vs run
χ^2 / ndf 4.663e+04 / 85
p0 224.8 ± 0.1759
450
400
350
300
250
200

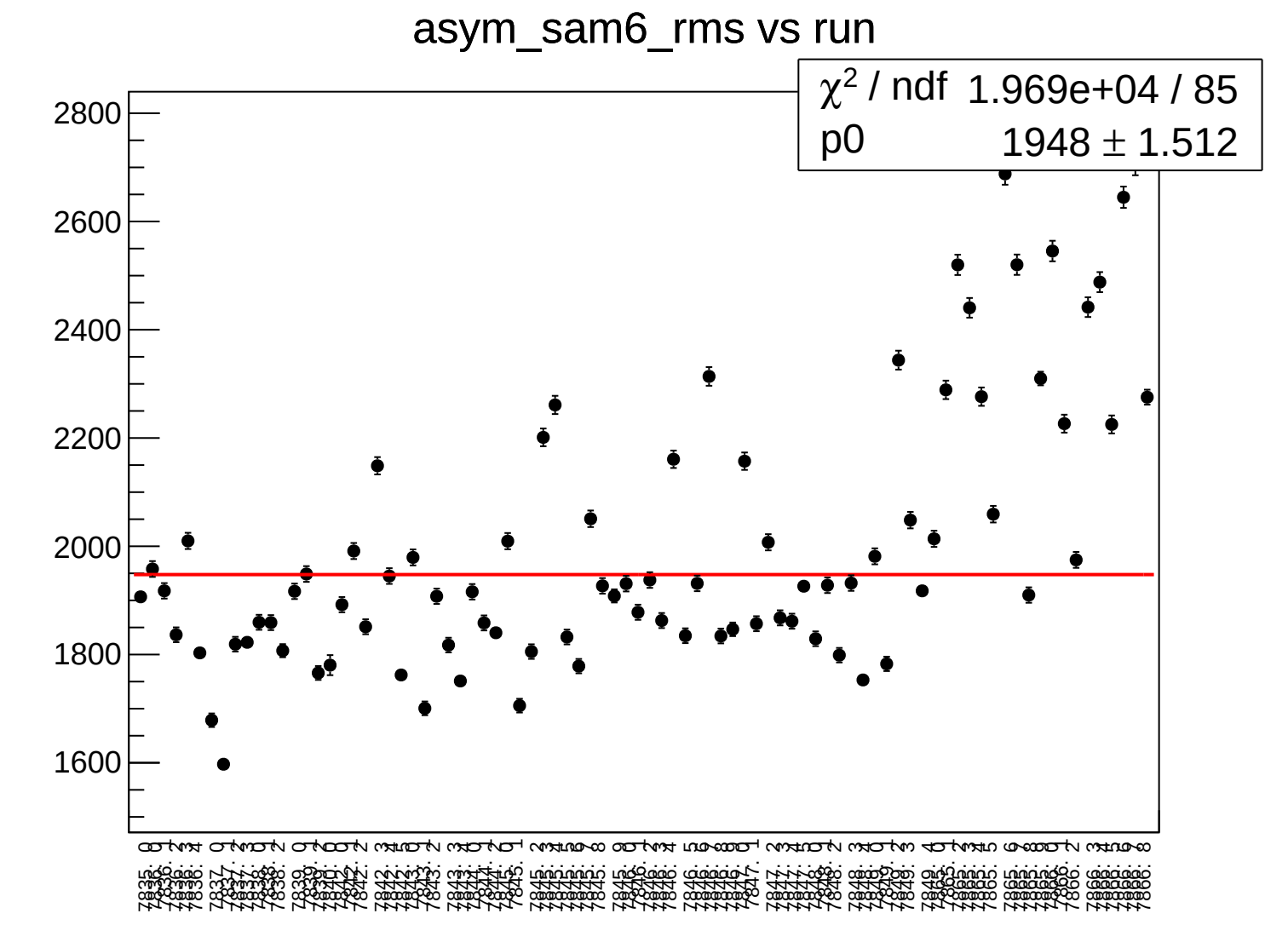

asym_sam6_correction_mean vs run
χ² / ndf 87.46 / 85
p0 −422.6 ± 2108
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 91.56
Std Dev 71.73
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

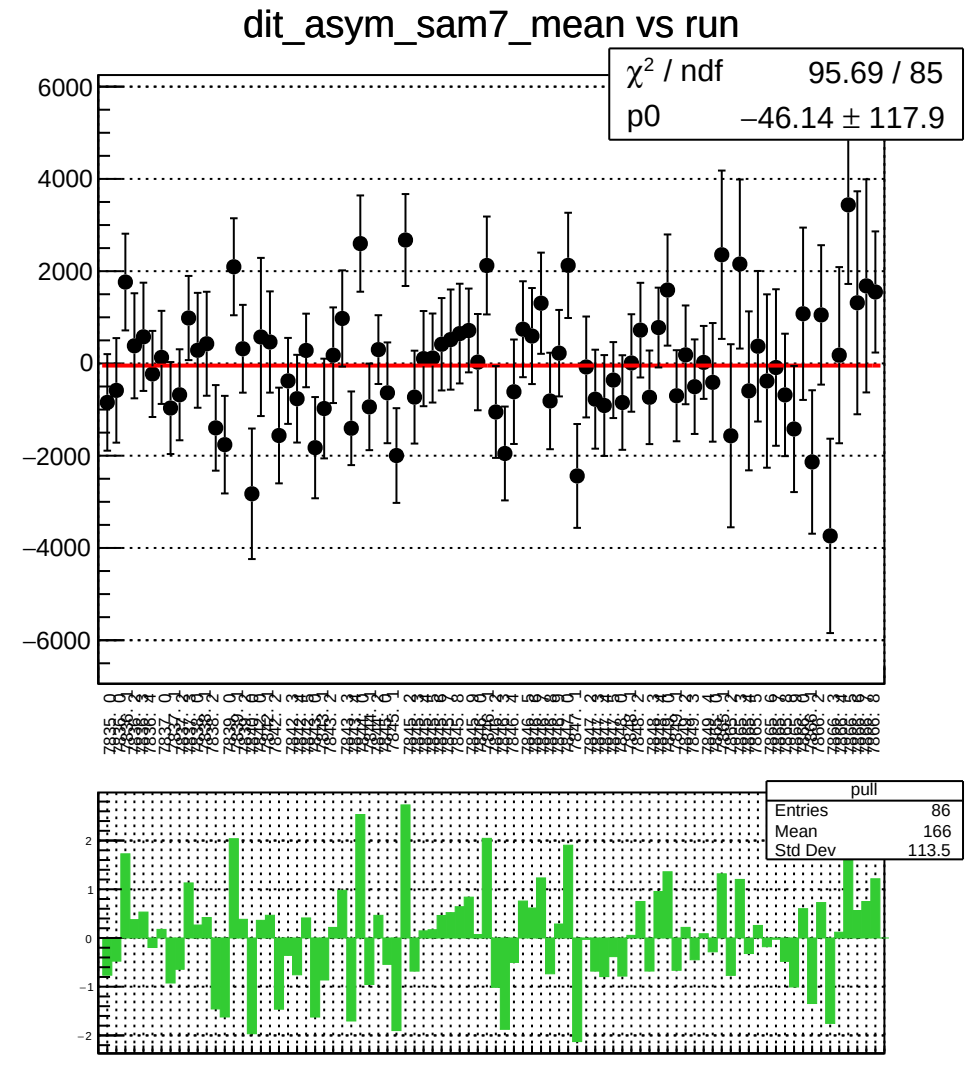

pull1D
Entries 86
Mean 0.01319
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

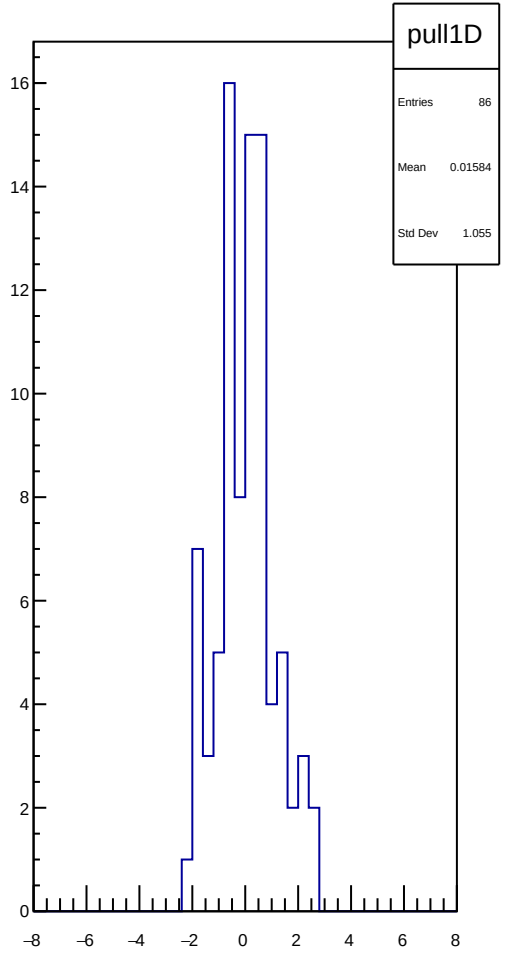

asym_sam6_correction_rms vs run
χ² / ndf 1.776e+04 / 85
p0 1921 ± 1.49
2600
2400
2200
2000
1800
1600

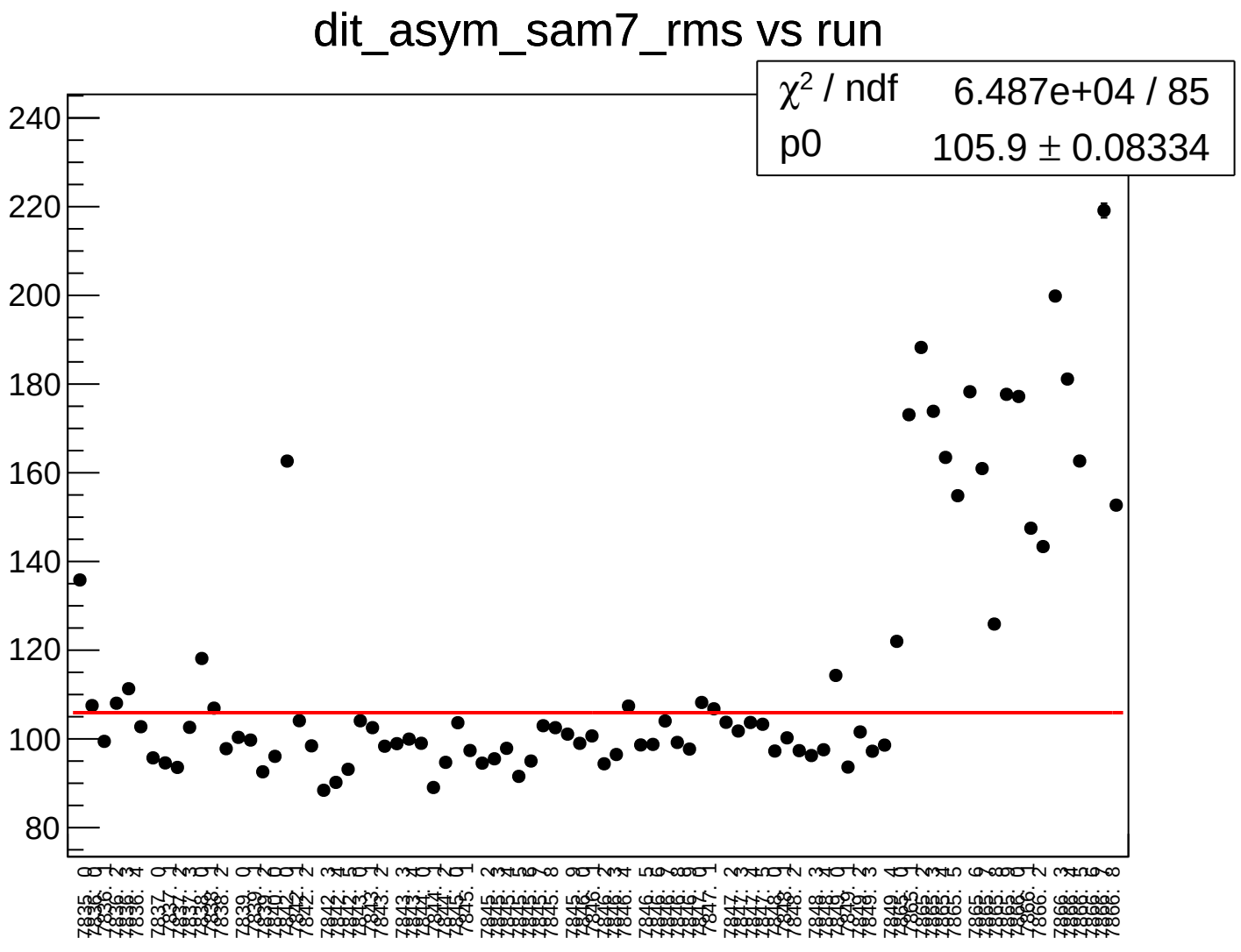

asym_sam6_mean vs run
χ² / ndf 87.78 / 85
p0 764.2 ± 2138
pull
Entries 86
Mean 115.3
Std Dev 91.71

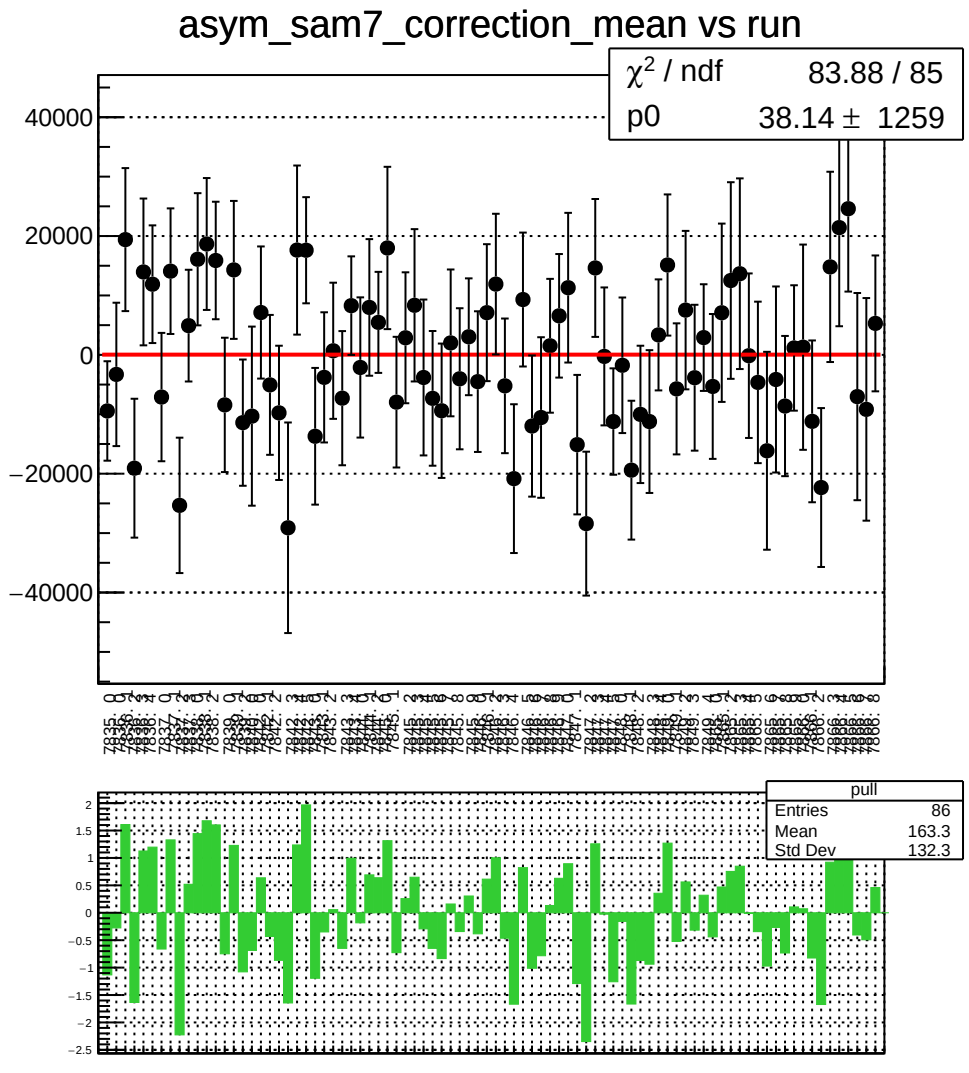

pull1D
Entries 86
Mean −0.01295
Std Dev 1.01

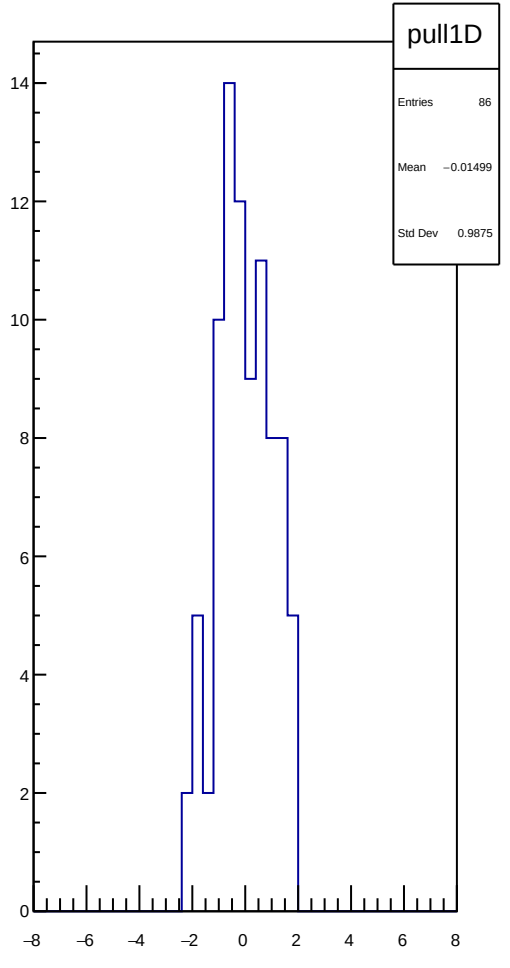

asym_sam6_rms vs run
χ^2 / ndf 1.969e+04 / 85
p0 1948 ± 1.512
2800
2600
2400
2200
2000
1800
1600

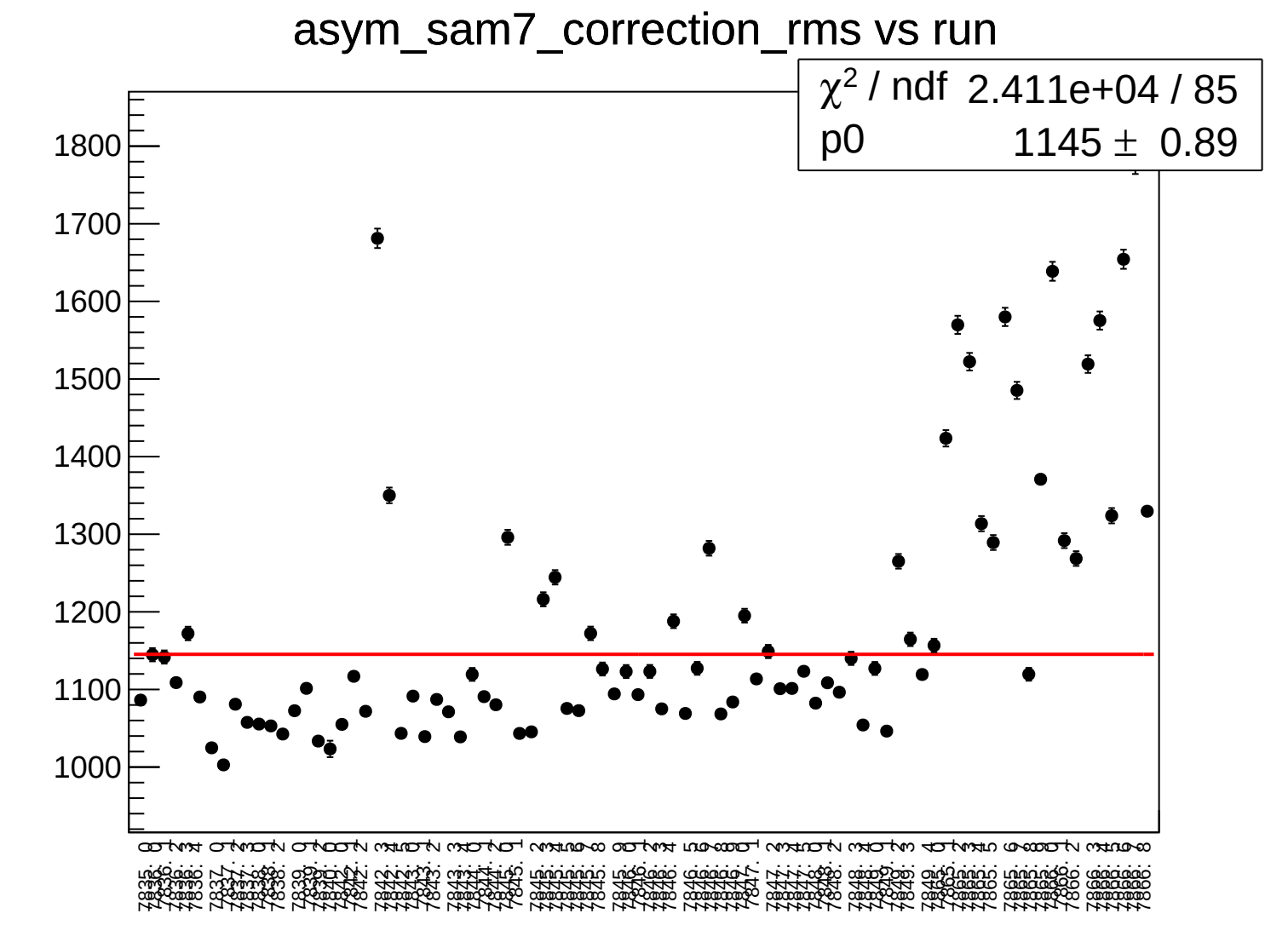

dit_asym_sam7_mean vs run
χ² / ndf 95.69 / 85
p0 −46.14 ± 117.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 166
Std Dev 113.5
2
1
0
−1
−2

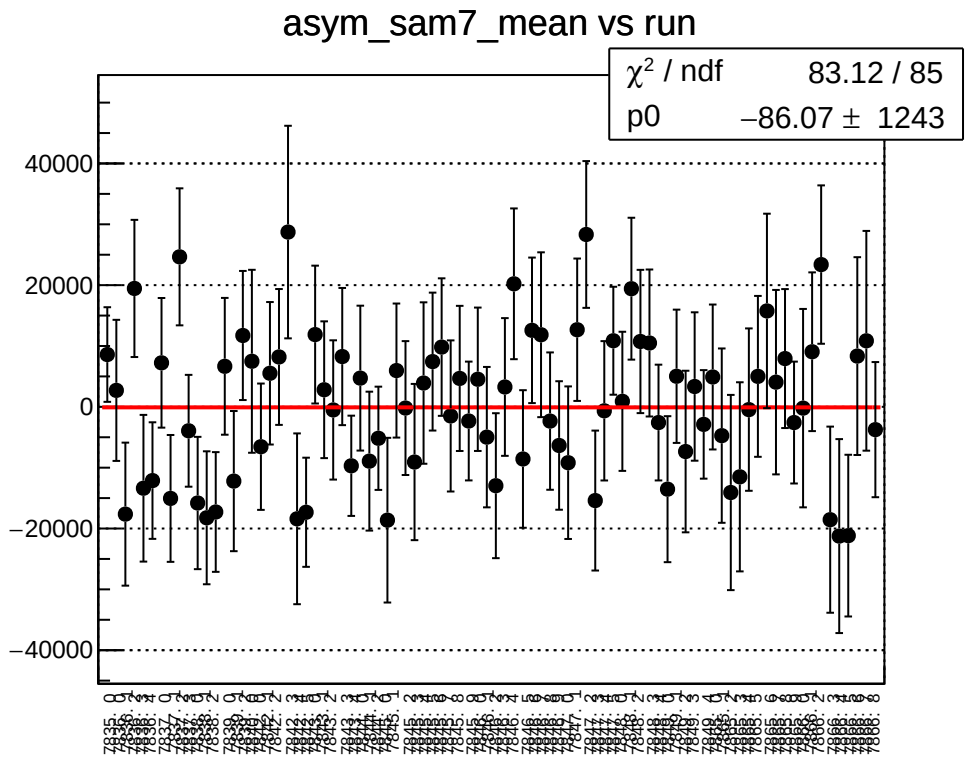

pull1D
Entries 86
Mean 0.01584
Std Dev 1.055
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

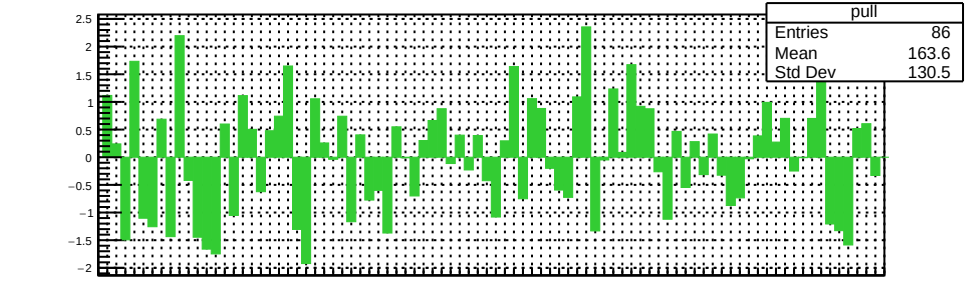

dit_asym_sam7_rms vs run
χ^2 / ndf 6.487e+04 / 85
p0 105.9 ± 0.08334
240
220
200
180
160
140
120
100
80

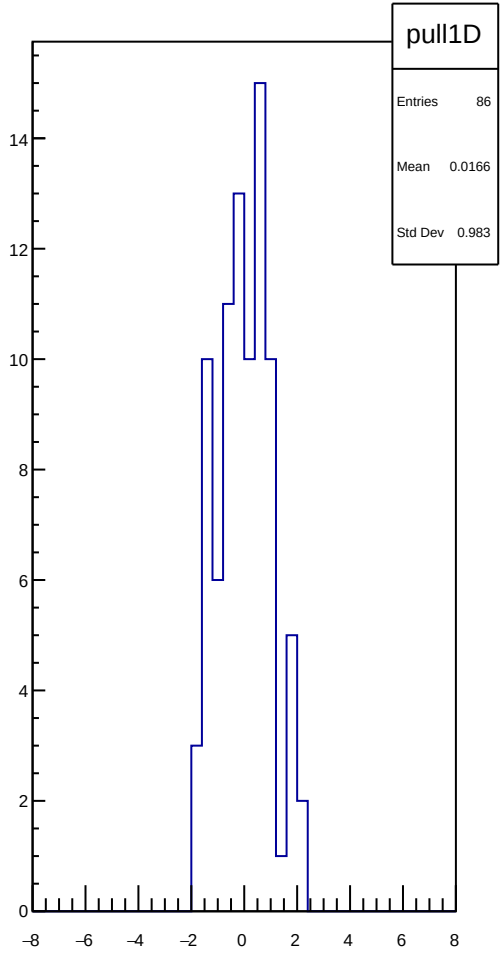

asym_sam7_correction_mean vs run
χ² / ndf 83.88 / 85
p0 38.14 ± 1259
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 163.3
Std Dev 132.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

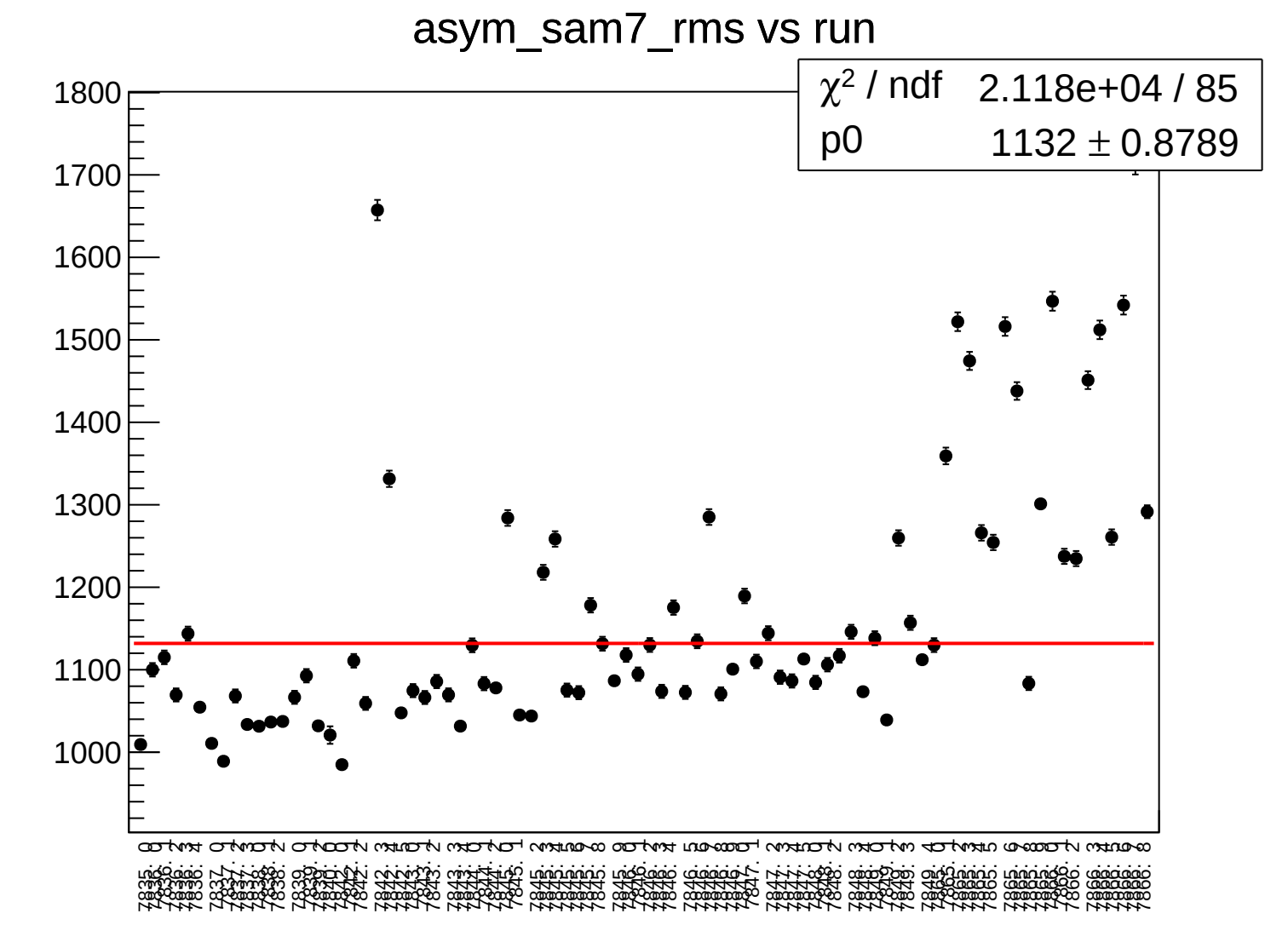

pull1D
Entries 86
Mean −0.01499
Std Dev 0.9875
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

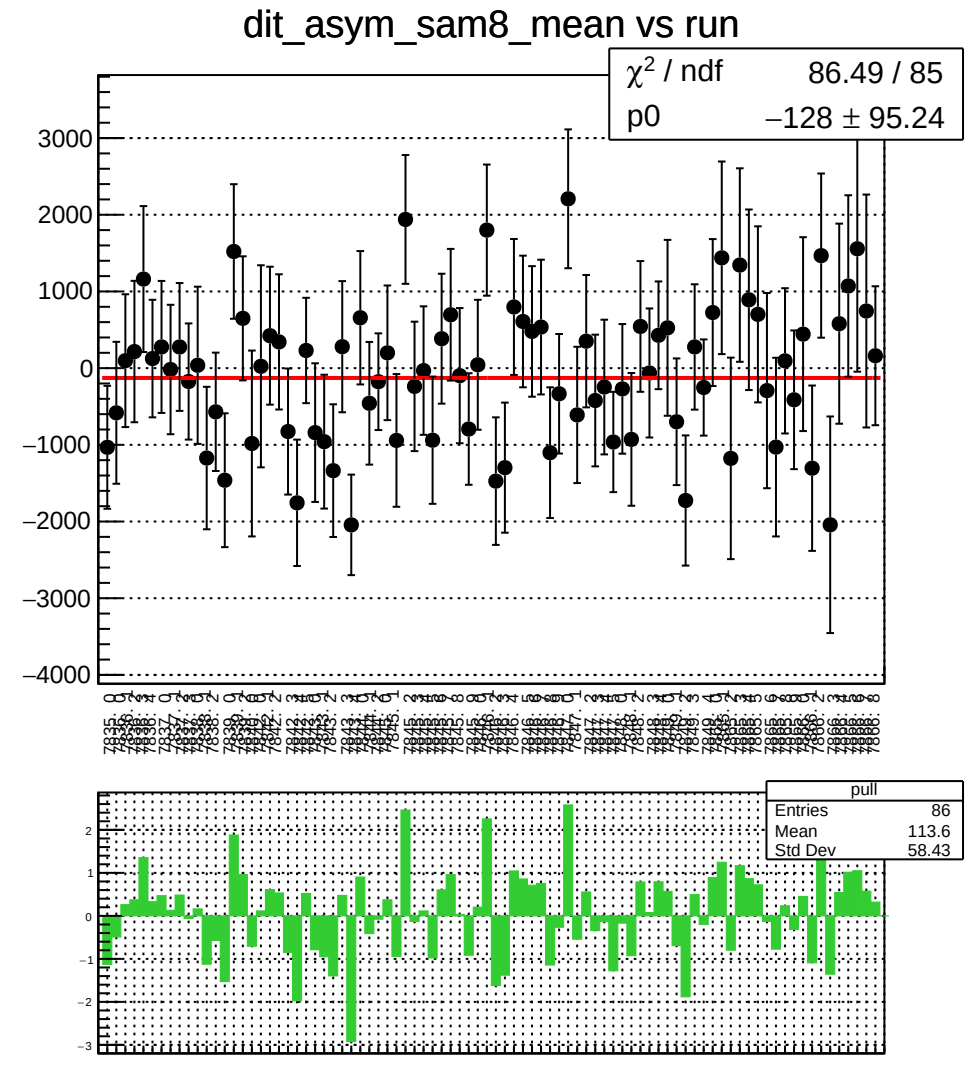

asym_sam7_correction_rms vs run
χ² / ndf 2.411e+04 / 85
p0 1145 ± 0.89
1800
1700
1600
1500
1400
1300
1200
1100
1000

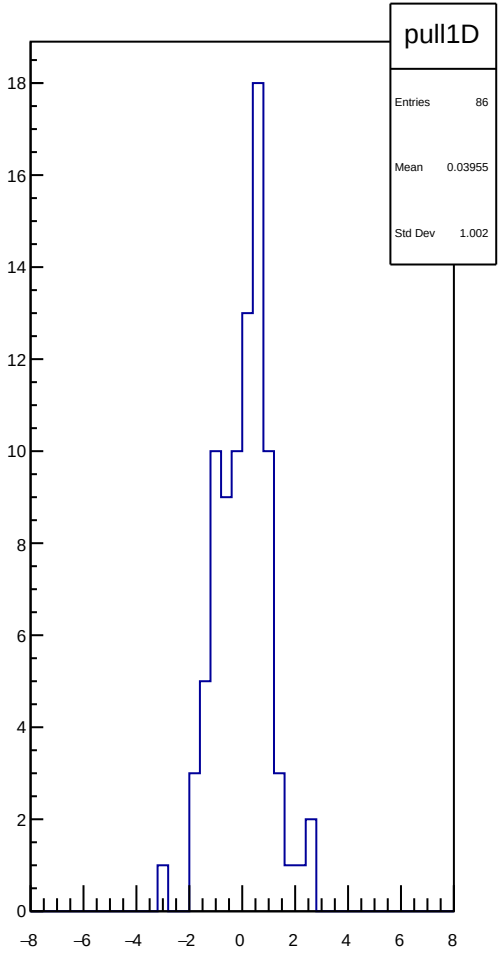

asym_sam7_mean vs run
χ² / ndf 83.12 / 85
p0 −86.07 ± 1243
40000
20000
0
−20000
−40000

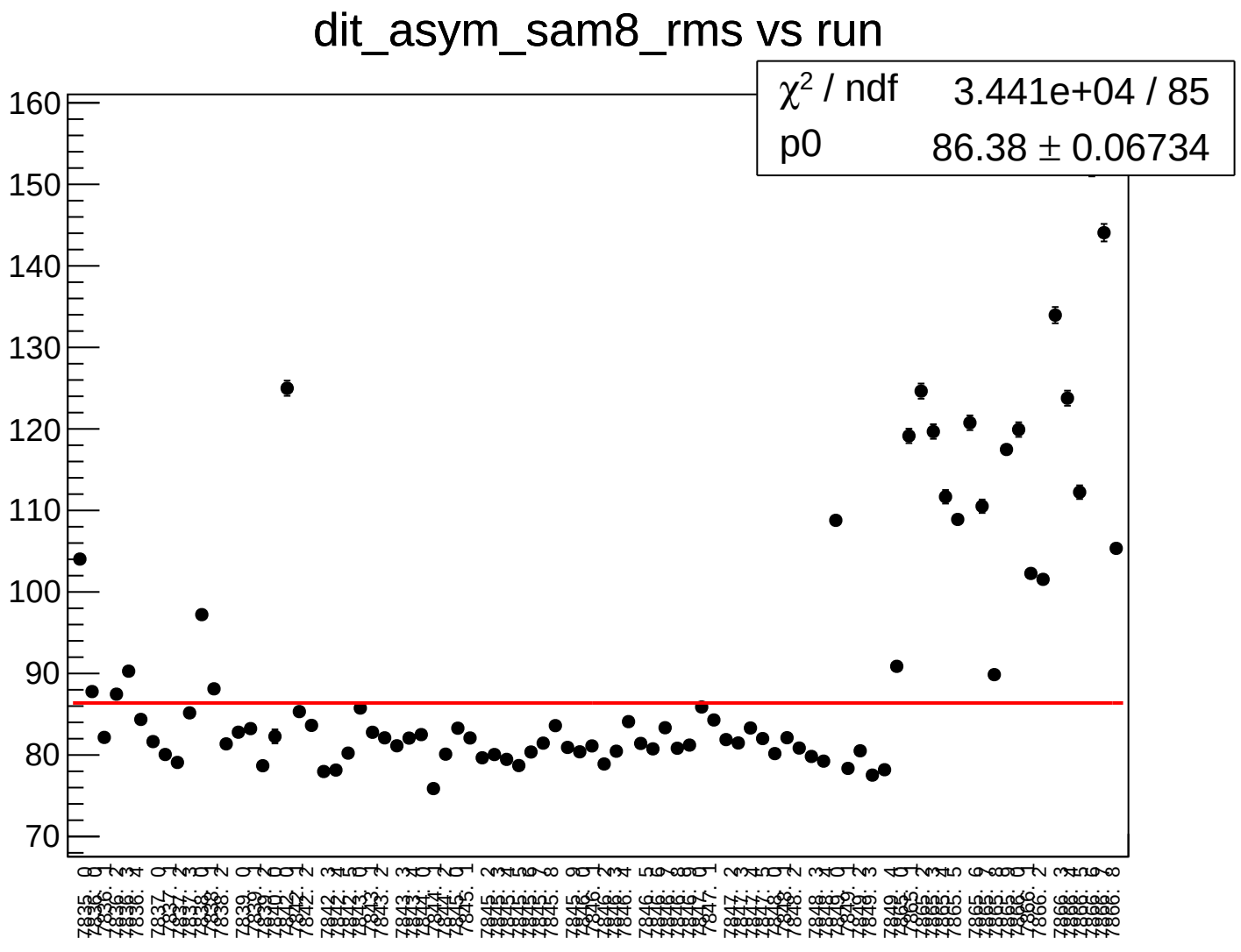

pull
Entries 86
Mean 163.6
Std Dev 130.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

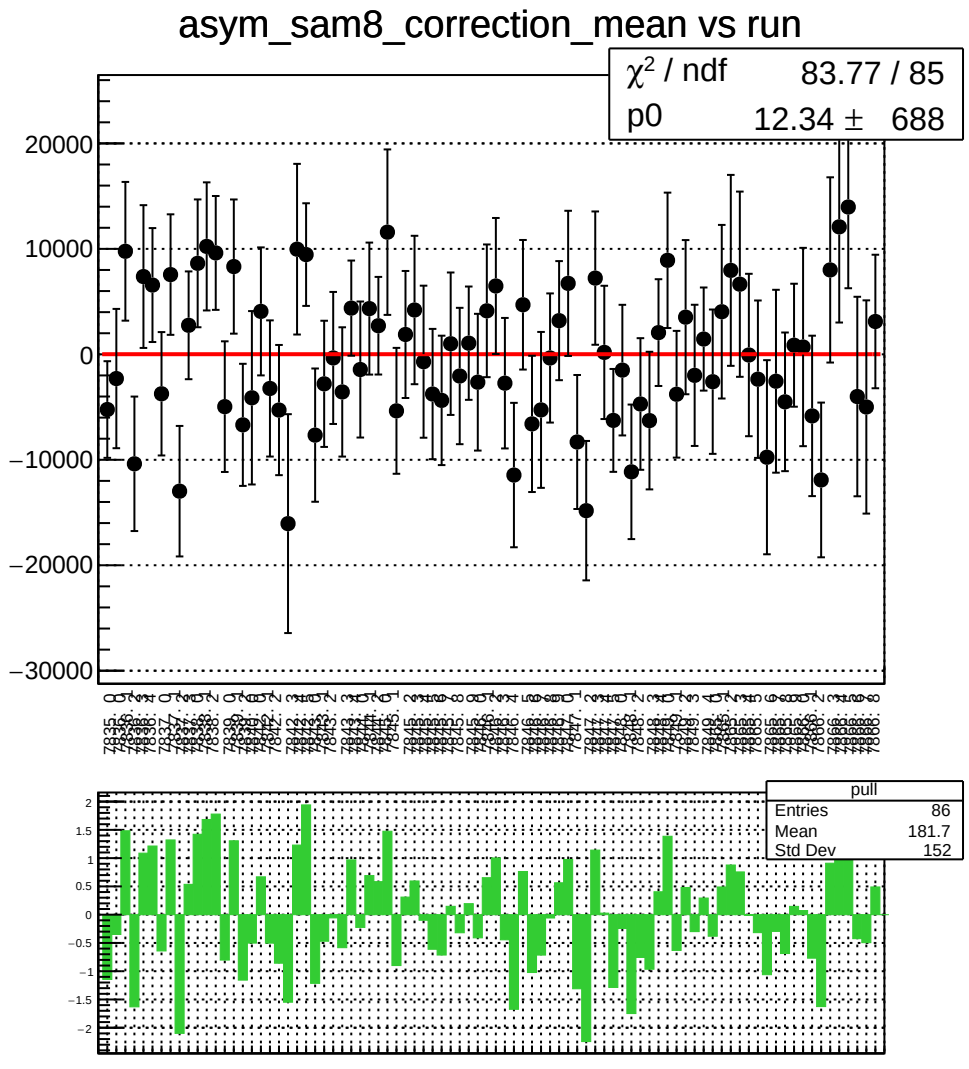

pull1D
Entries 86
Mean 0.0166
Std Dev 0.983
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

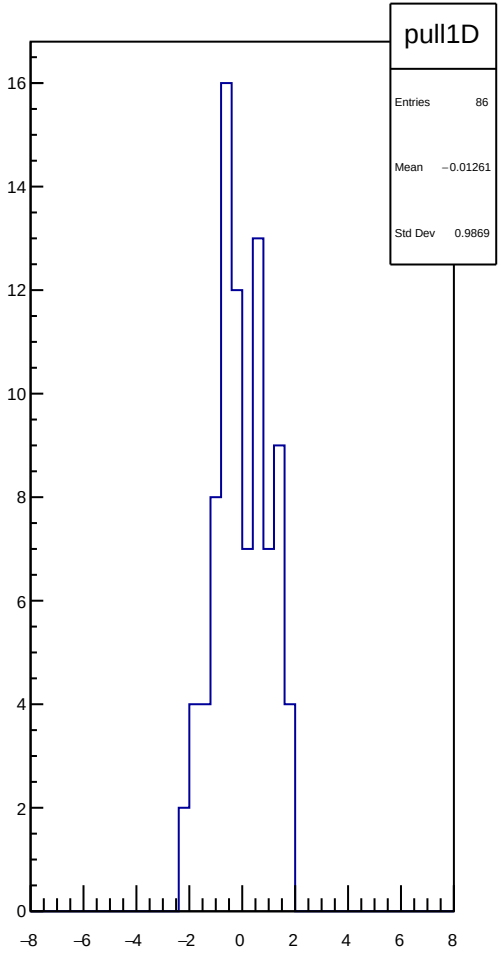

asym_sam7_rms vs run
χ² / ndf 2.118e+04 / 85
p0 1132 ± 0.8789
1800
1700
1600
1500
1400
1300
1200
1100
1000

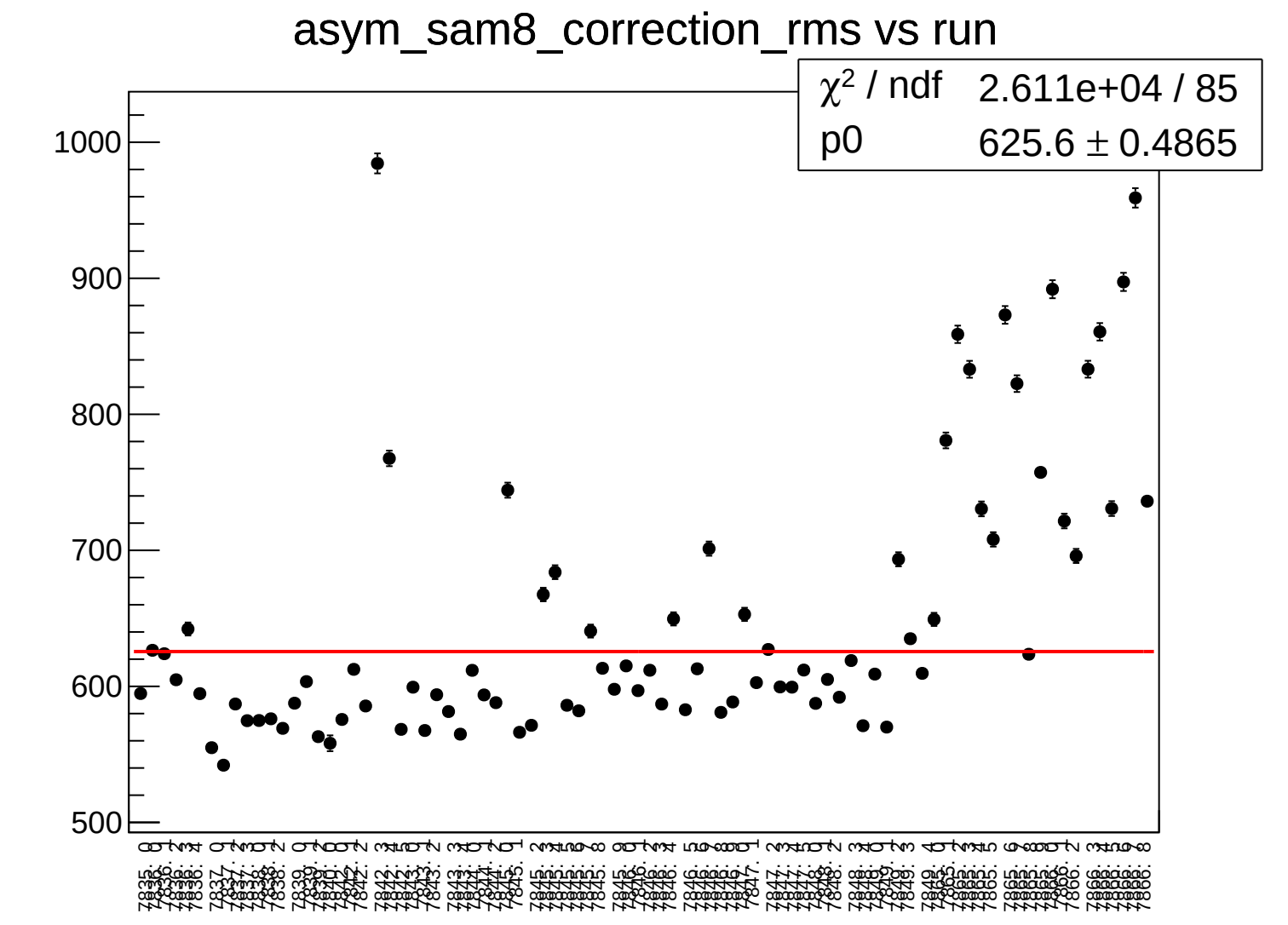

dit_asym_sam8_mean vs run
χ² / ndf 86.49 / 85
p0 −128 ± 95.24
pull
Entries 86
Mean 113.6
Std Dev 58.43

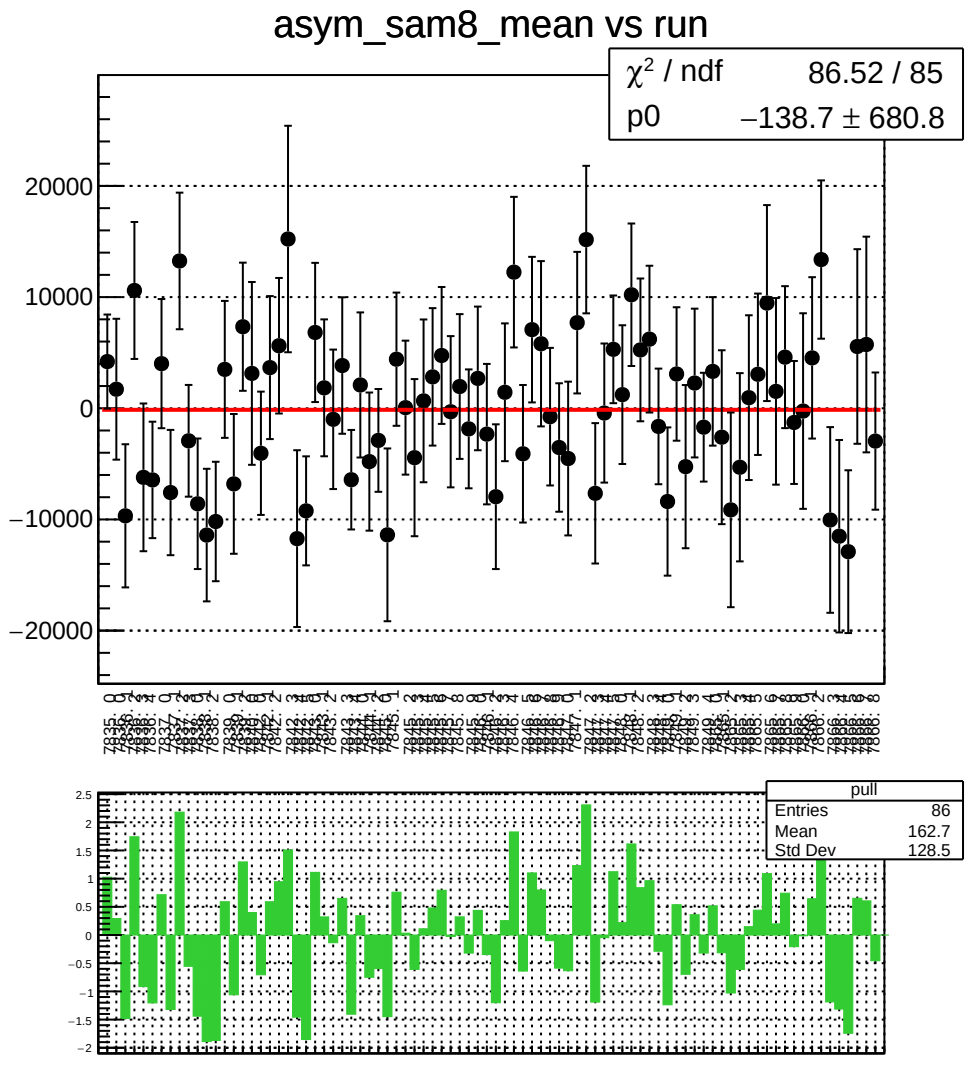

pull1D
Entries 86
Mean 0.03955
Std Dev 1.002

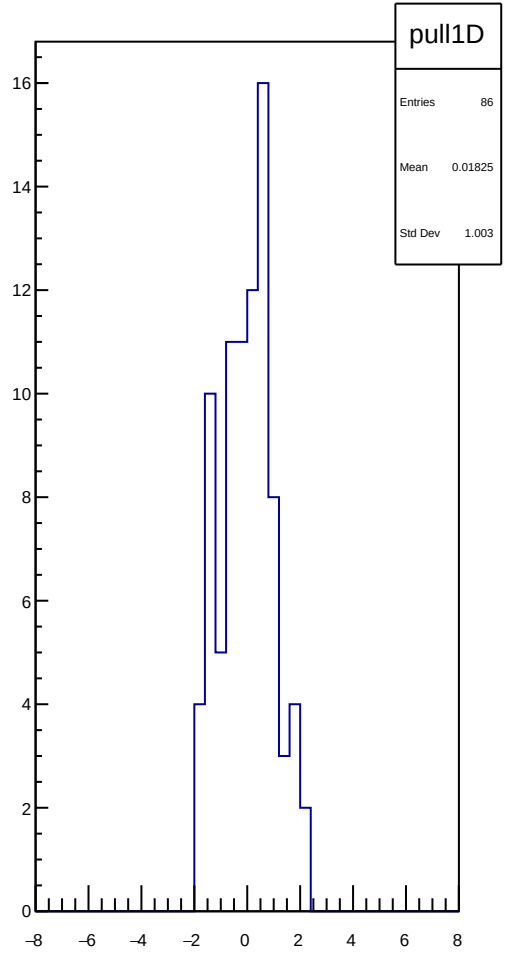

dit_asym_sam8_rms vs run
χ² / ndf 3.441e+04 / 85
p0 86.38 ± 0.06734
160
150
140
130
120
110
100
90
80
70

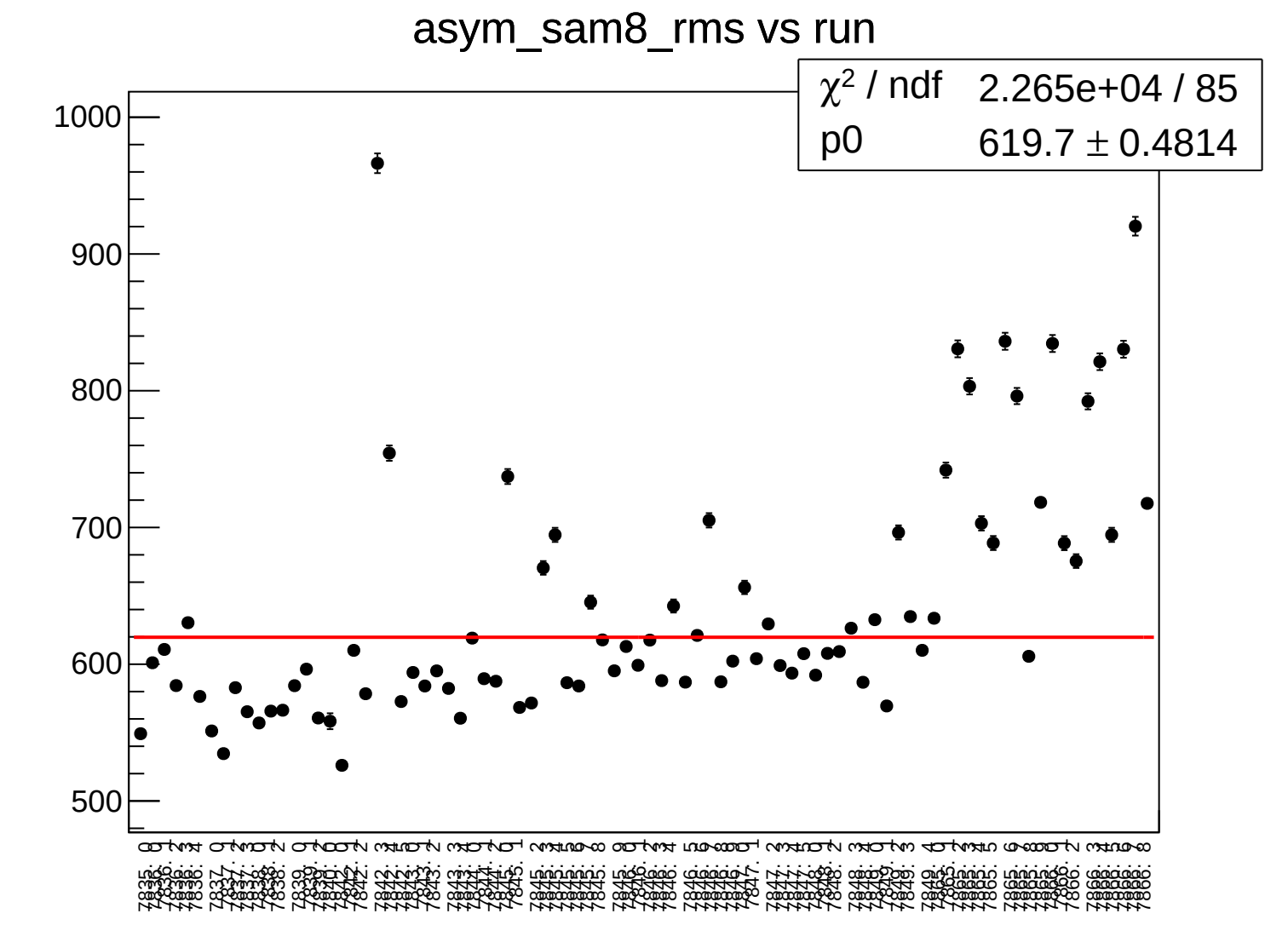

asym_sam8_correction_mean vs run
χ² / ndf 83.77 / 85
p0 12.34 ± 688
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 181.7
Std Dev 152
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

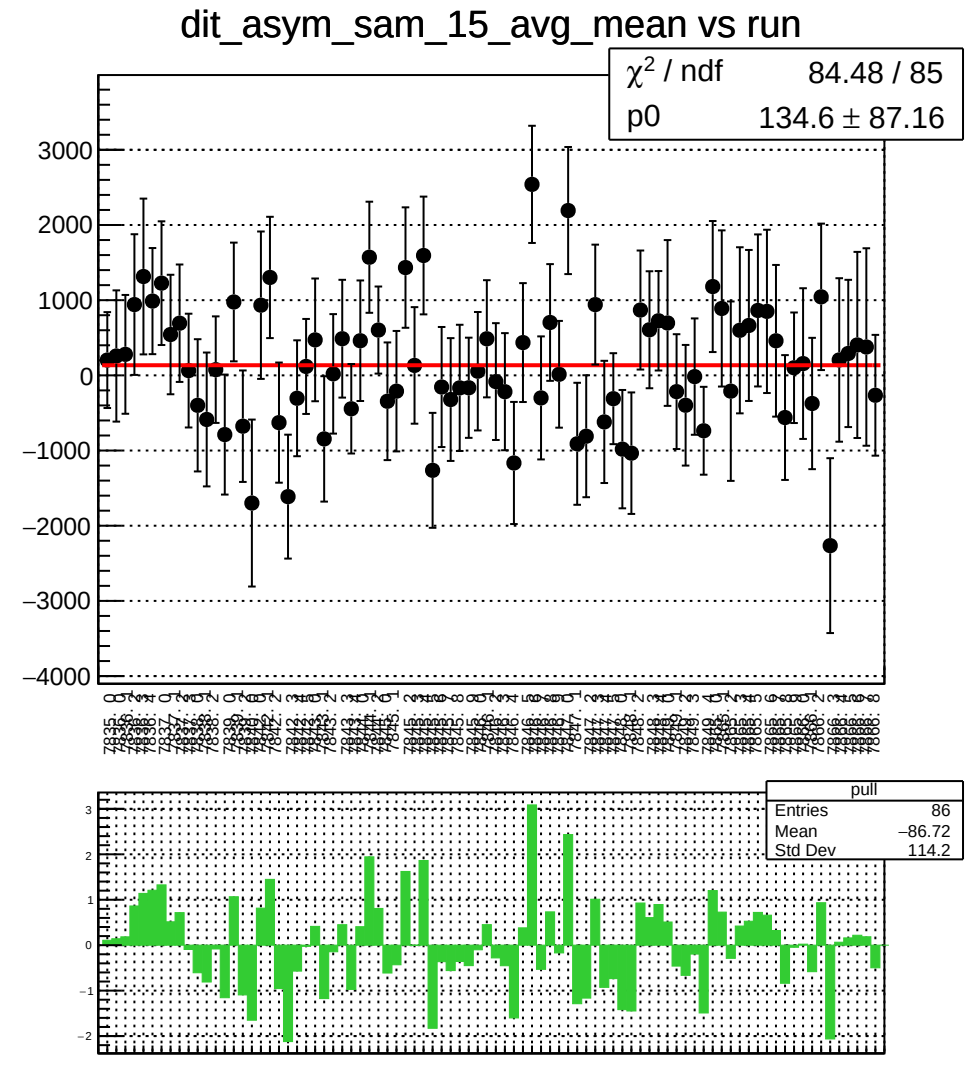

pull1D
Entries 86
Mean −0.01261
Std Dev 0.9869
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

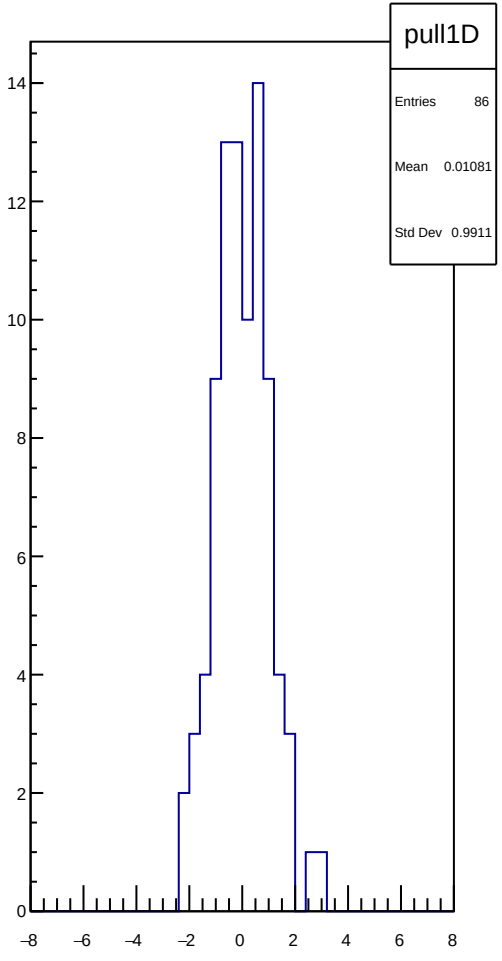

asym_sam8_correction_rms vs run
χ² / ndf 2.611e+04 / 85
p0 625.6 ± 0.4865
1000
900
800
700
600
500

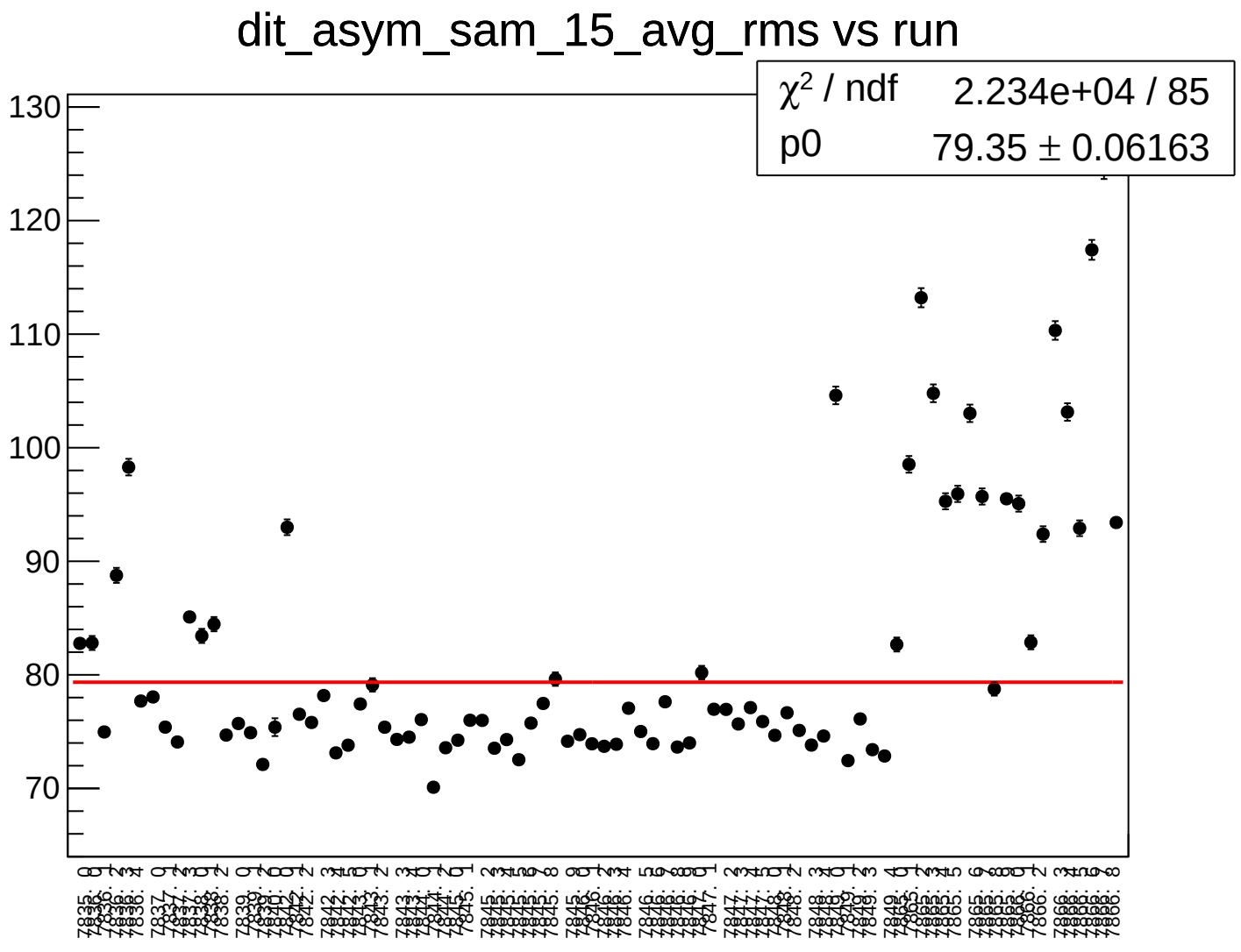

asym_sam8_mean vs run
χ² / ndf 86.52 / 85
p0 −138.7 ± 680.8
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 162.7
Std Dev 128.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

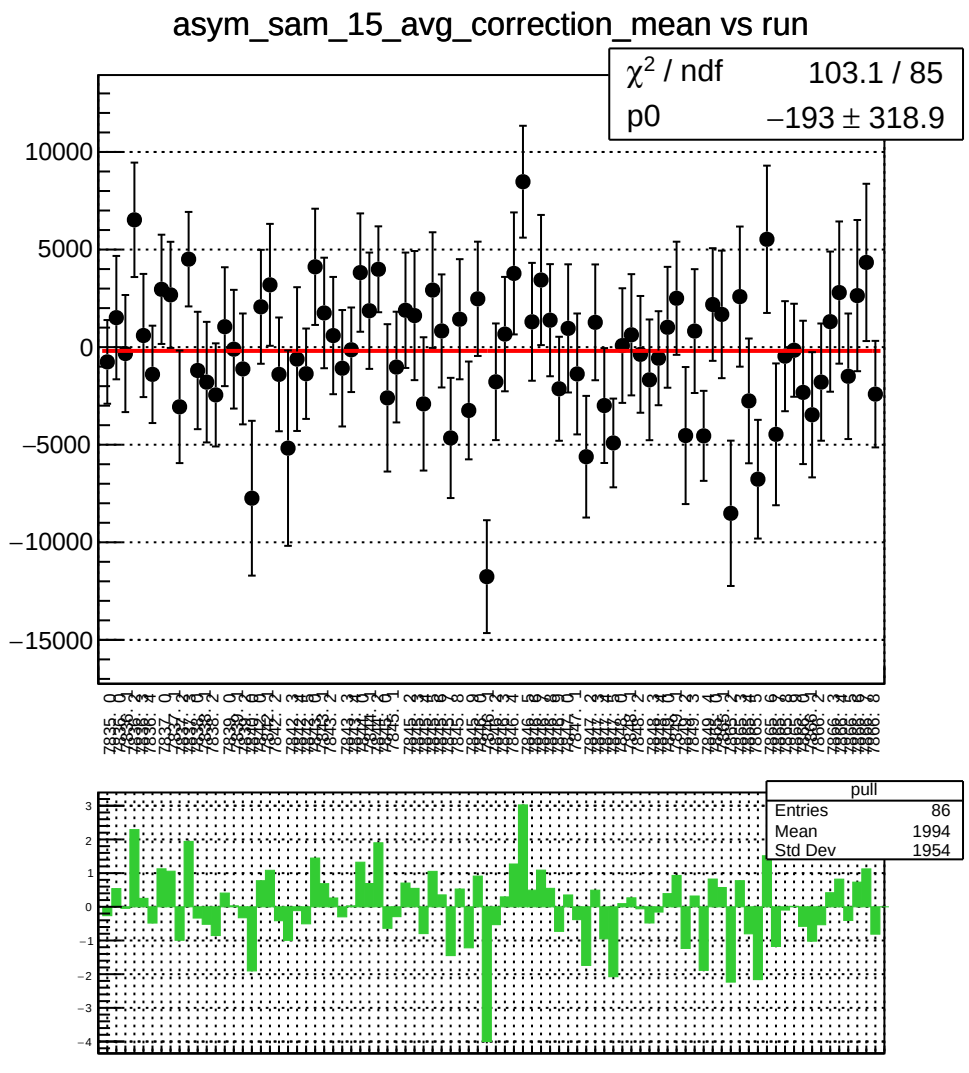

pull1D
Entries 86
Mean 0.01825
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

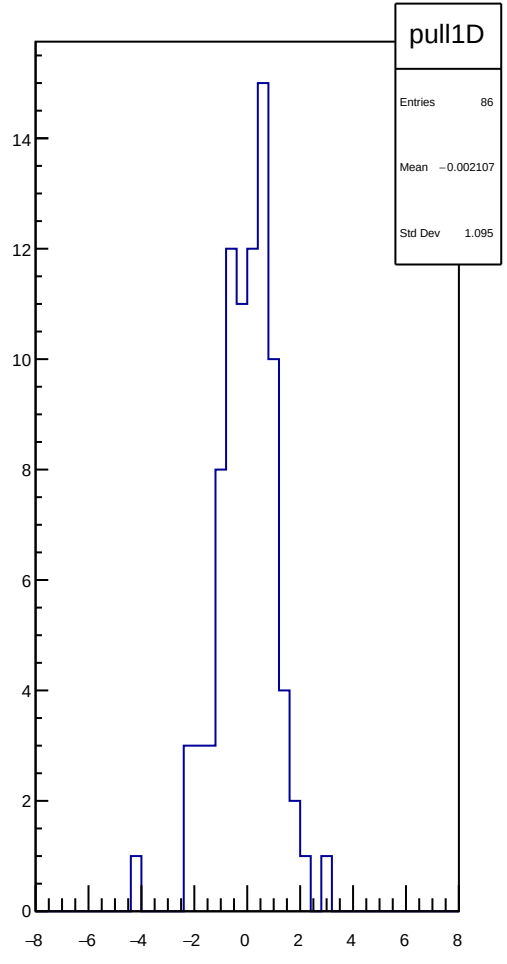

asym_sam8_rms vs run
χ² / ndf 2.265e+04 / 85
p0 619.7 ± 0.4814
1000
900
800
700
600
500

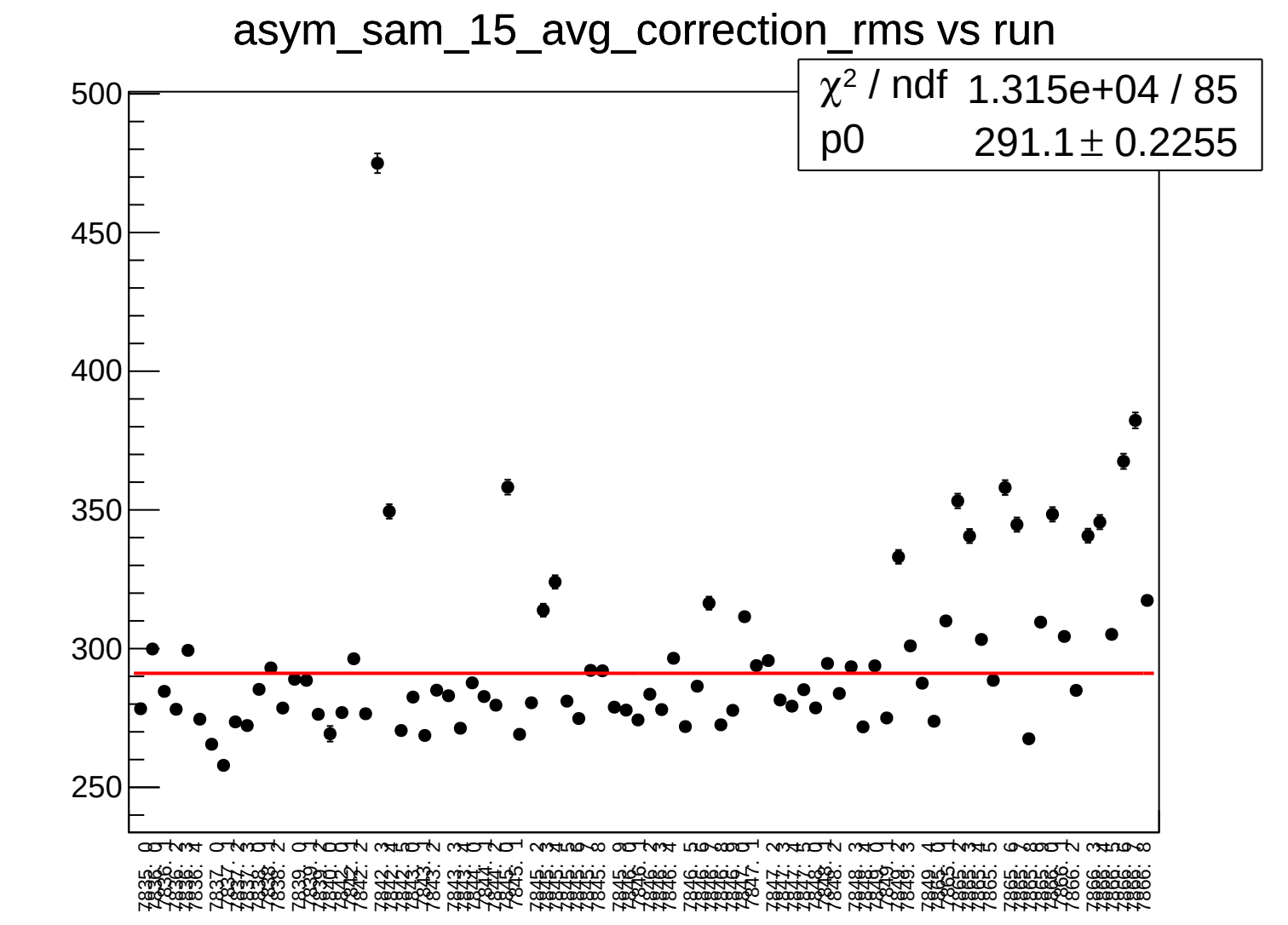

dit_asym_sam_15_avg_mean vs run
χ² / ndf 84.48 / 85
p0 134.6 ± 87.16
pull
Entries 86
Mean −86.72
Std Dev 114.2

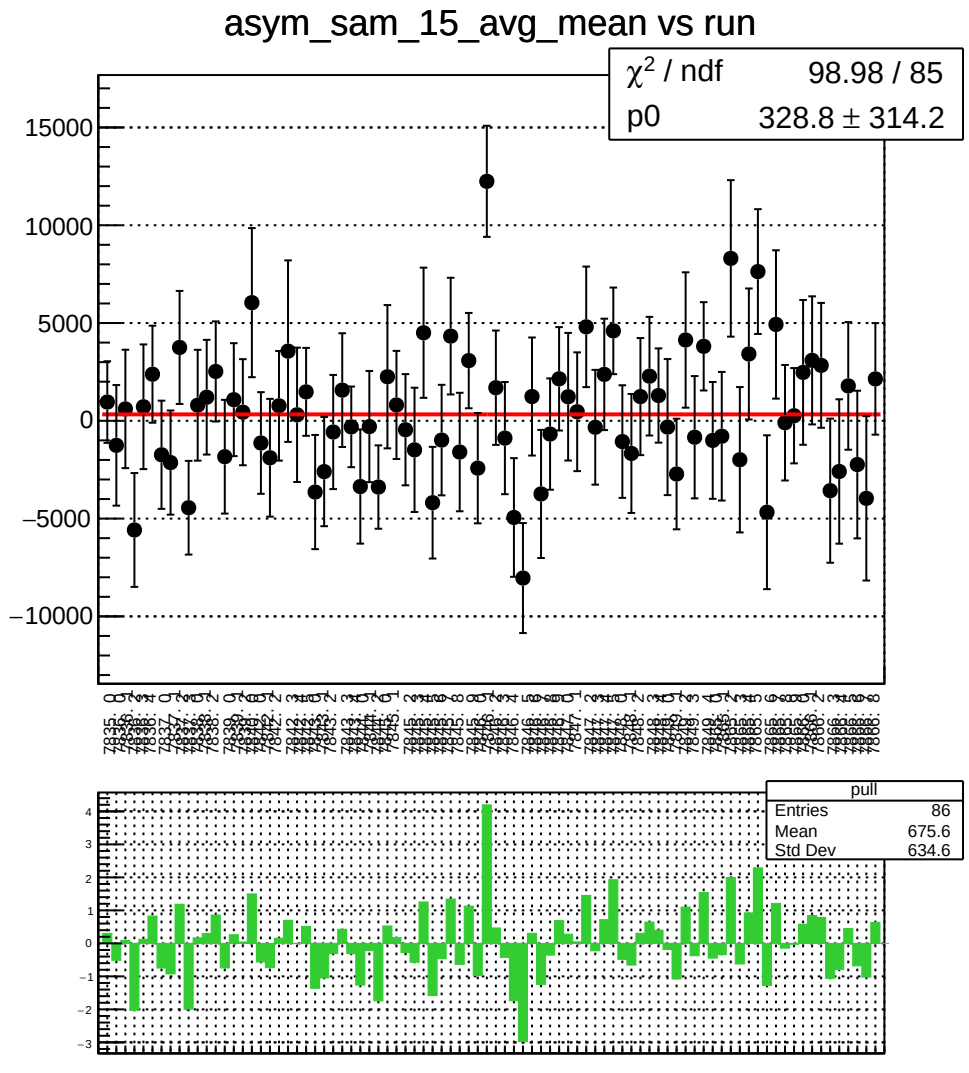

pull1D
Entries 86
Mean 0.01081
Std Dev 0.9911

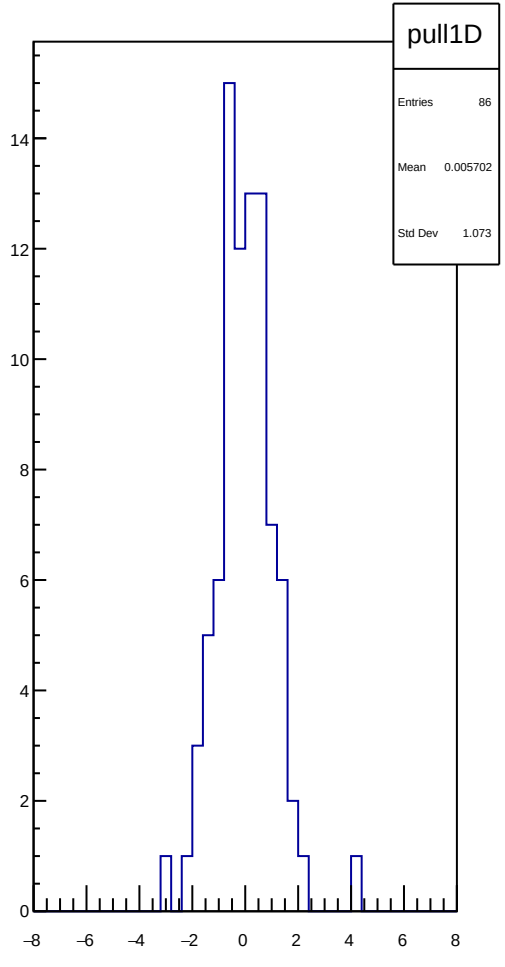

dit_asym_sam_15_avg_rms vs run
χ² / ndf 2.234e+04 / 85
p0 79.35 ± 0.06163
130
120
110
100
90
80
70

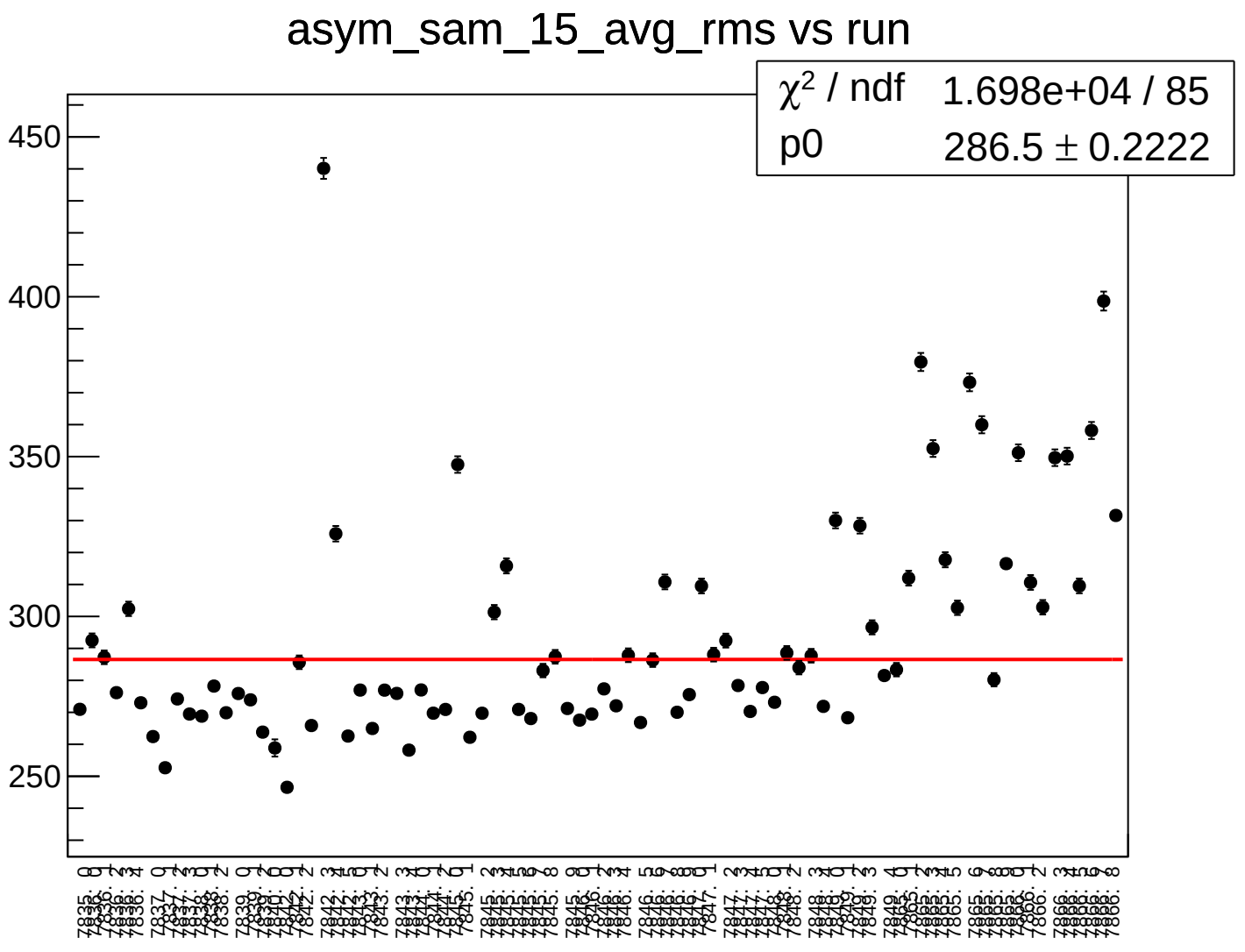

asym_sam_15_avg_correction_mean vs run
χ² / ndf 103.1 / 85
p0 −193 ± 318.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 1994
Std Dev 1954
3
2
1
0
−1
−2
−3
−4

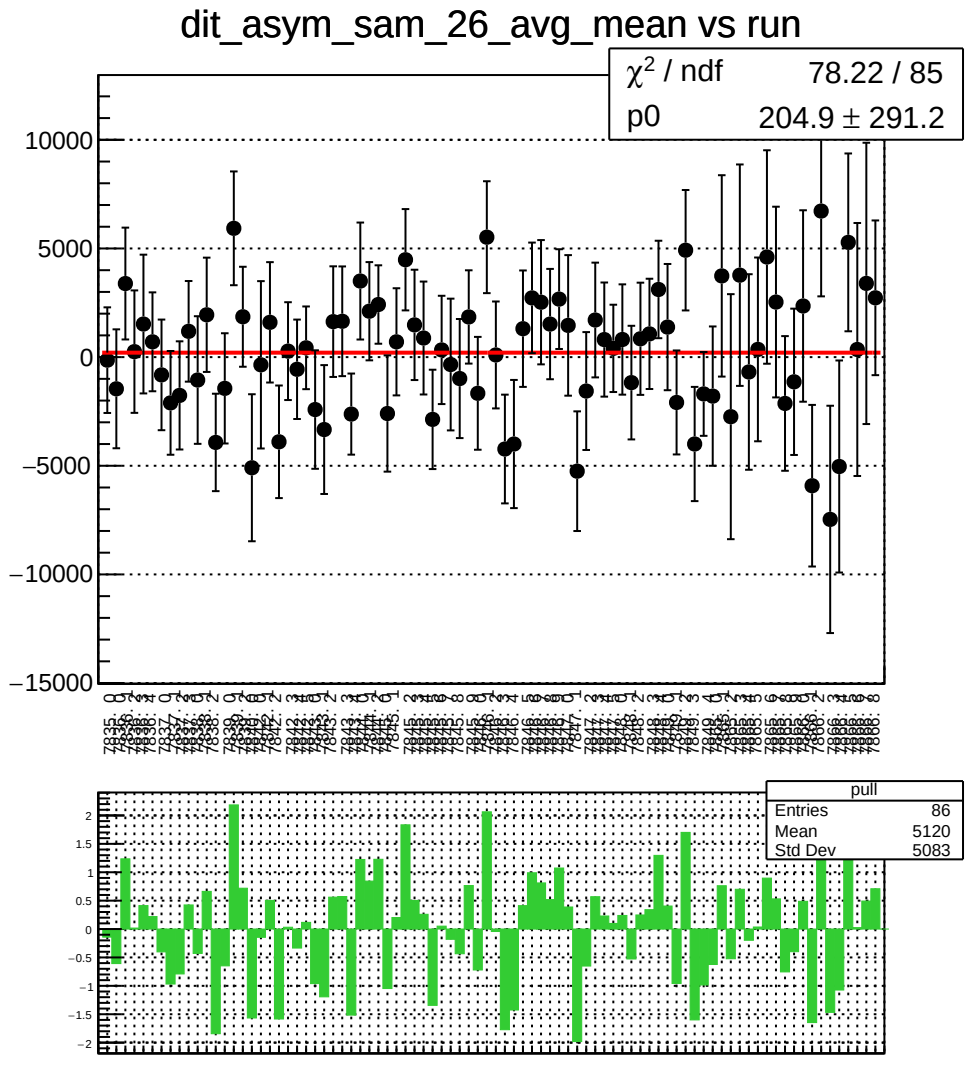

pull1D
Entries 86
Mean −0.002107
Std Dev 1.095
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

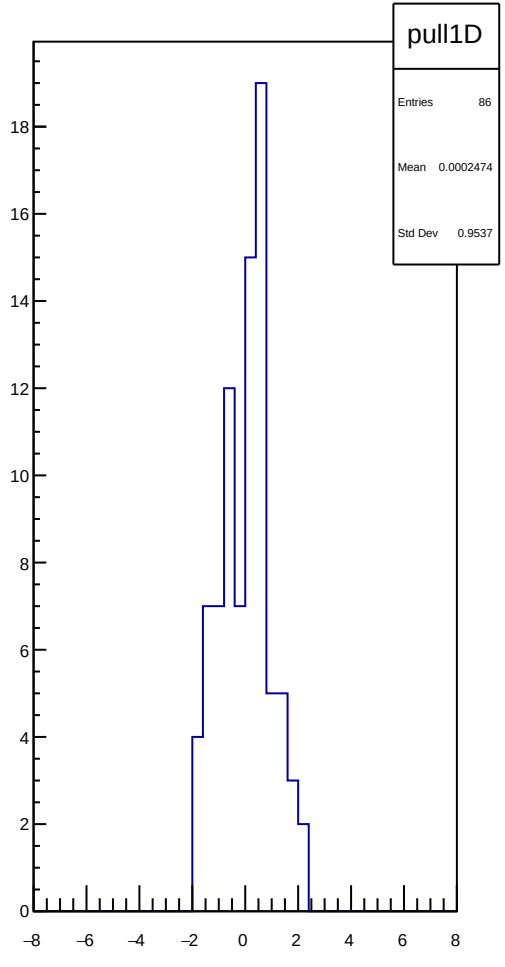

asym_sam_15_avg_correction_rms vs run
χ² / ndf 1.315e+04 / 85
p0 291.1 ± 0.2255
500
450
400
350
300
250

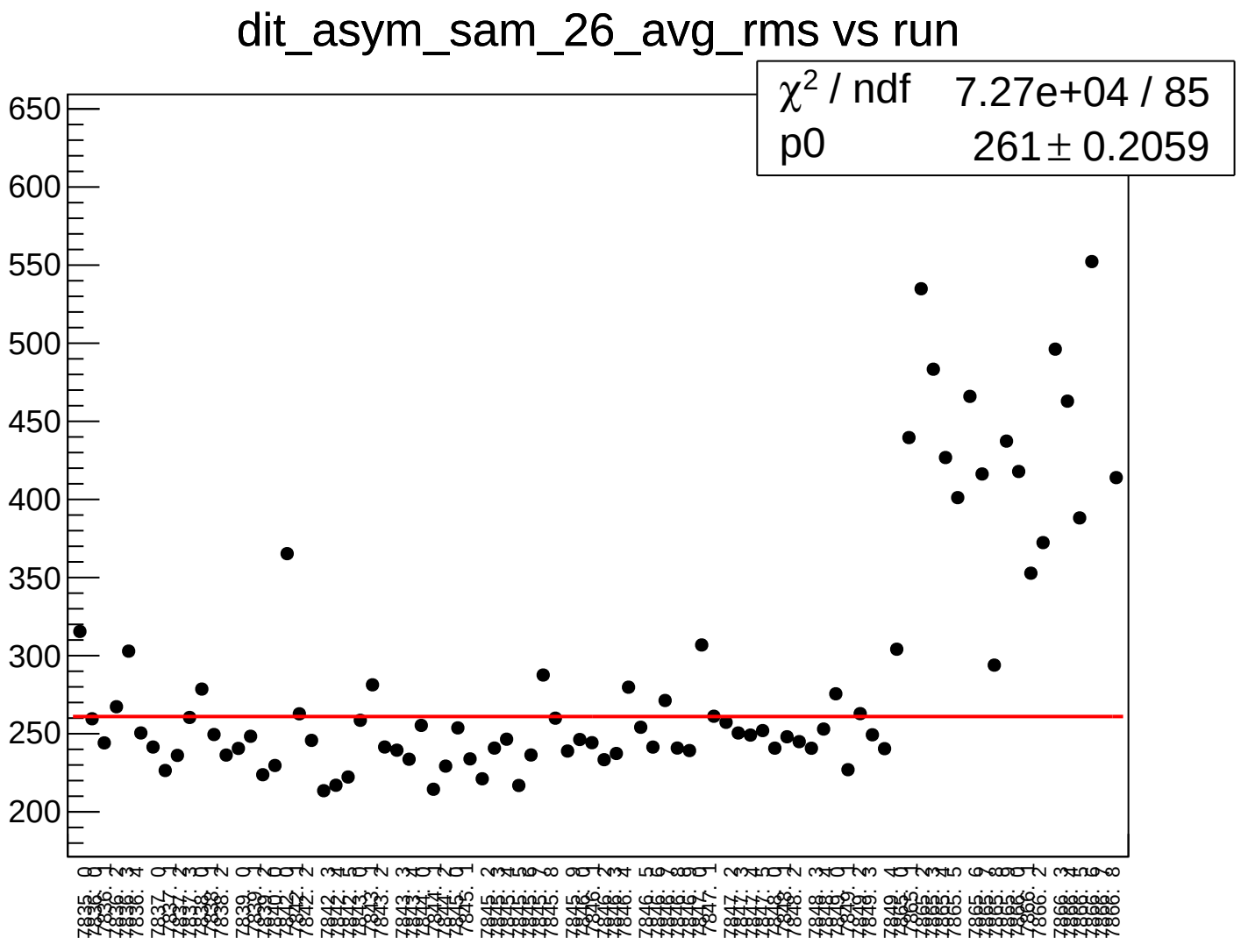

asym_sam_15_avg_mean vs run
χ² / ndf 98.98 / 85
p0 328.8 ± 314.2
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 675.6
Std Dev 634.6
4
3
2
1
0
−1
−2
−3

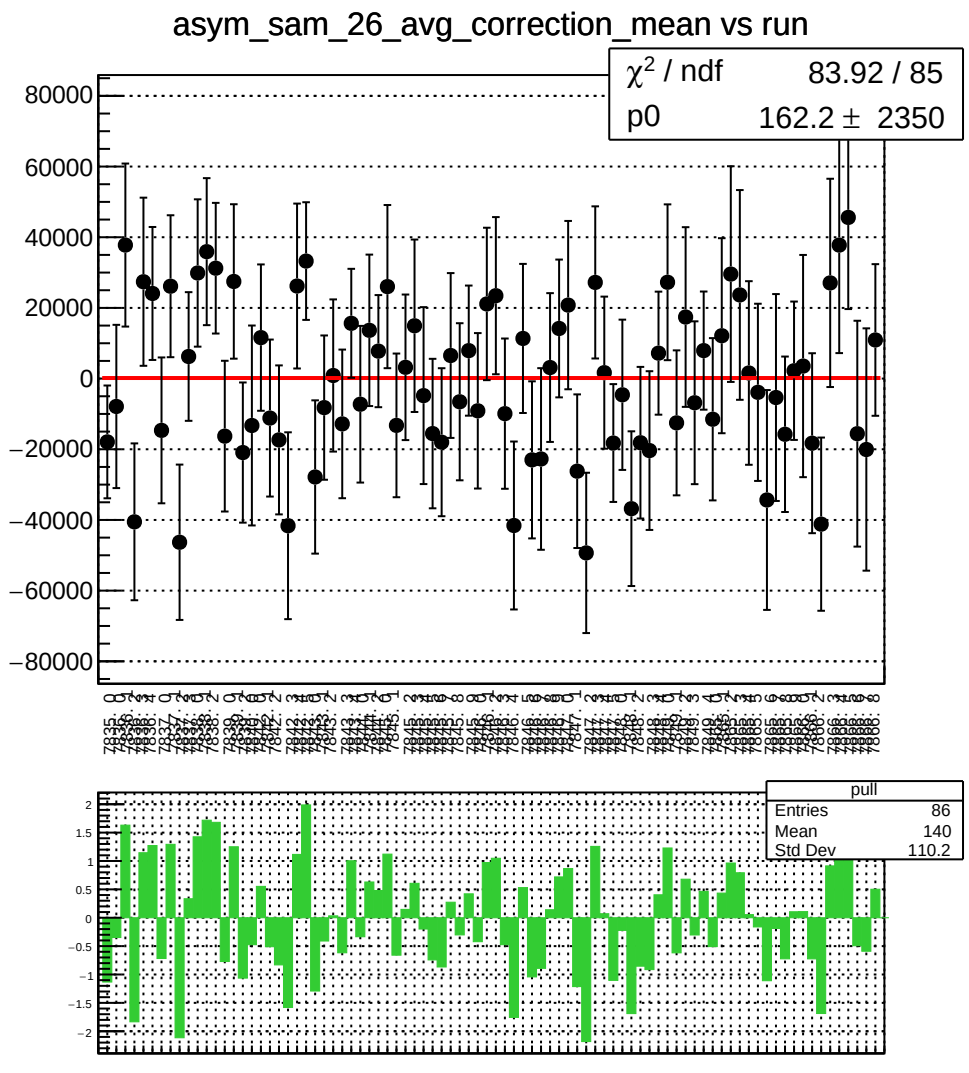

pull1D
Entries 86
Mean 0.005702
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

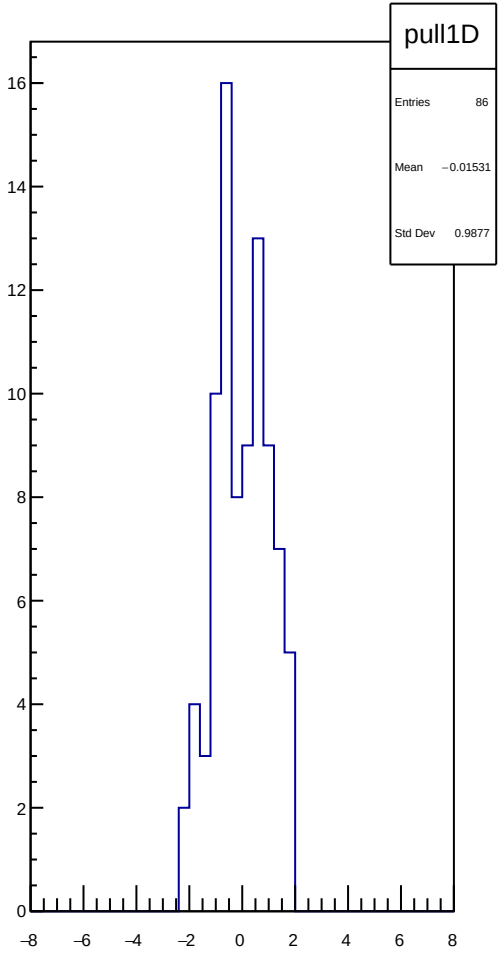

asym_sam_15_avg_rms vs run
χ^2 / ndf 1.698e+04 / 85
p0 286.5 ± 0.2222
450
400
350
300
250

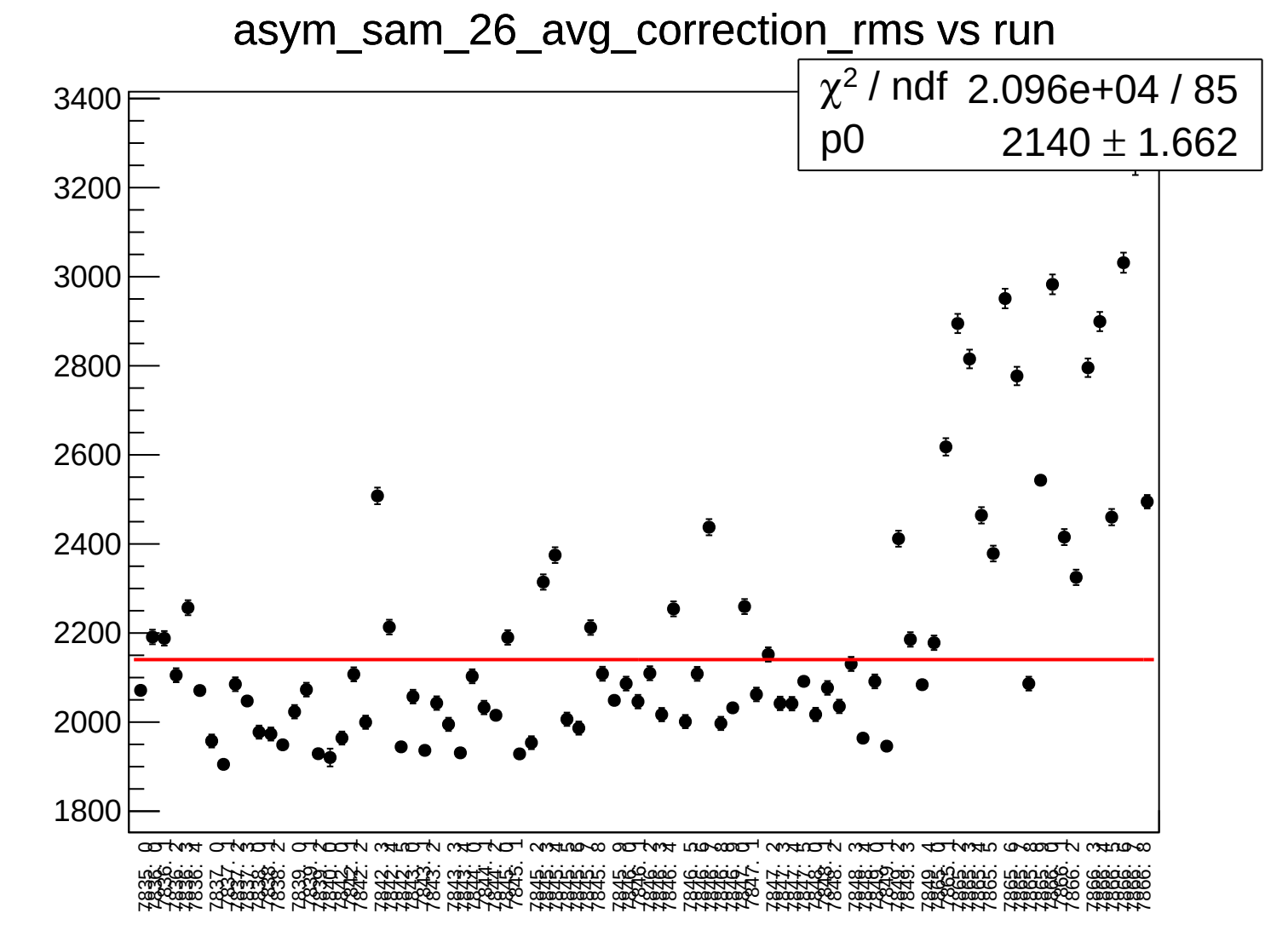

dit_asym_sam_26_avg_mean vs run
χ² / ndf 78.22 / 85
p0 204.9 ± 291.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 5120
Std Dev 5083
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

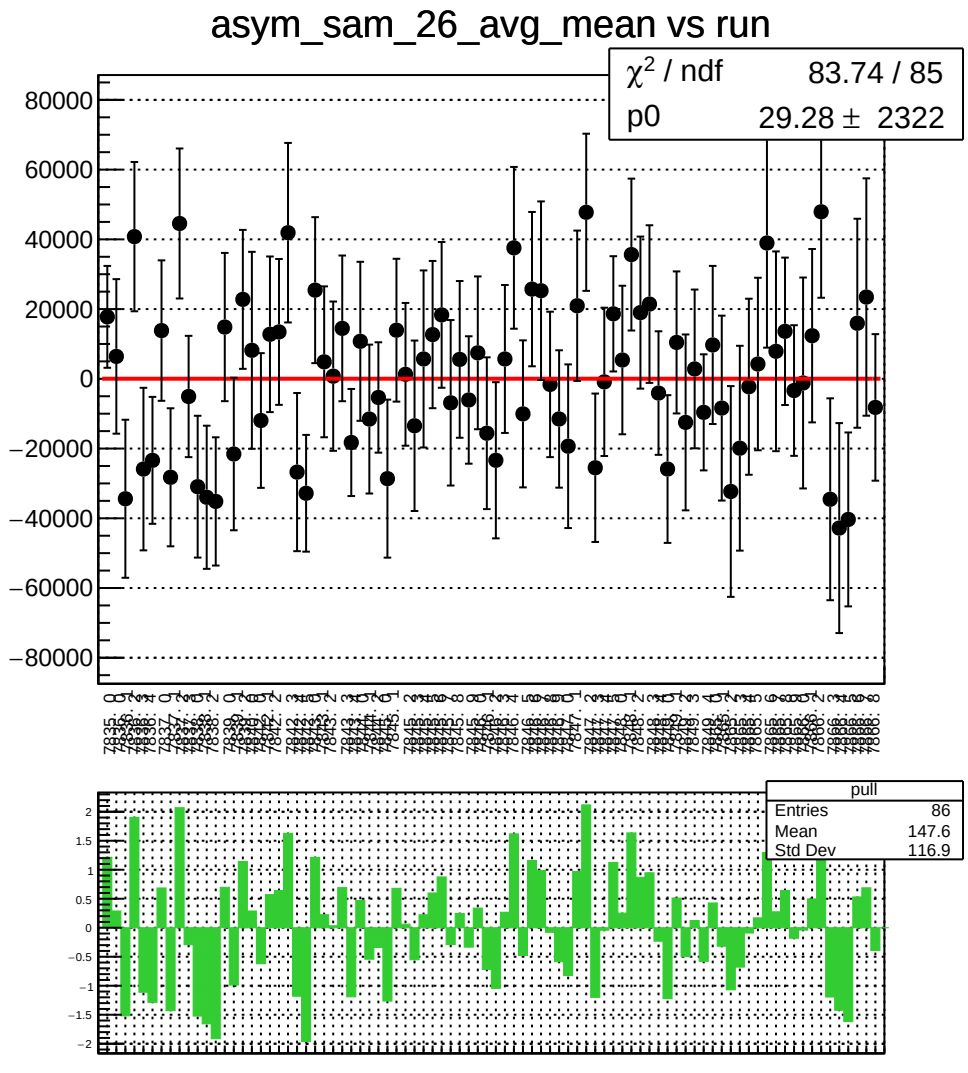

pull1D
Entries 86
Mean 0.0002474
Std Dev 0.9537
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

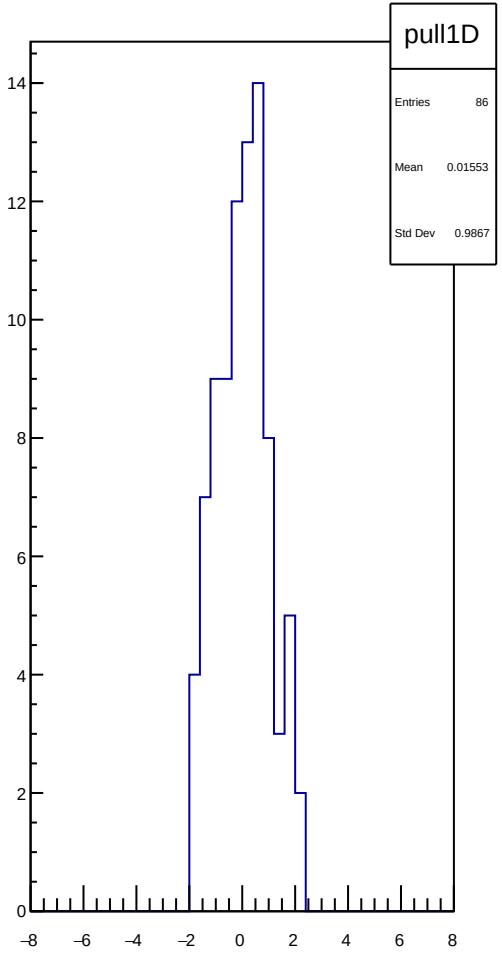

dit_asym_sam_26_avg_rms vs run
χ² / ndf 7.27e+04 / 85
p0 261 ± 0.2059
650
600
550
500
450
400
350
300
250
200

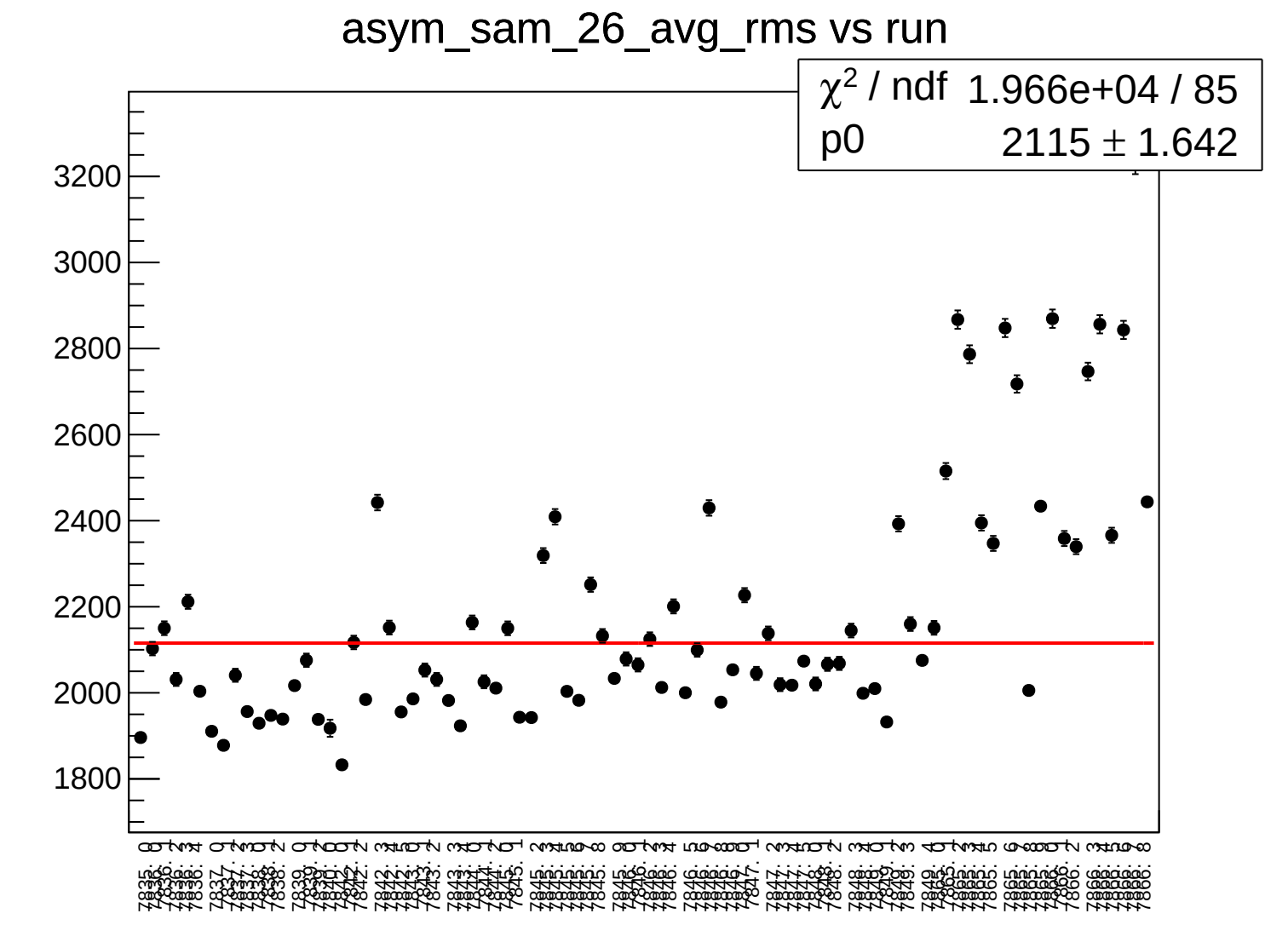

asym_sam_26_avg_correction_mean vs run
χ² / ndf 83.92 / 85
p0 162.2 ± 2350
pull
Entries 86
Mean 140
Std Dev 110.2

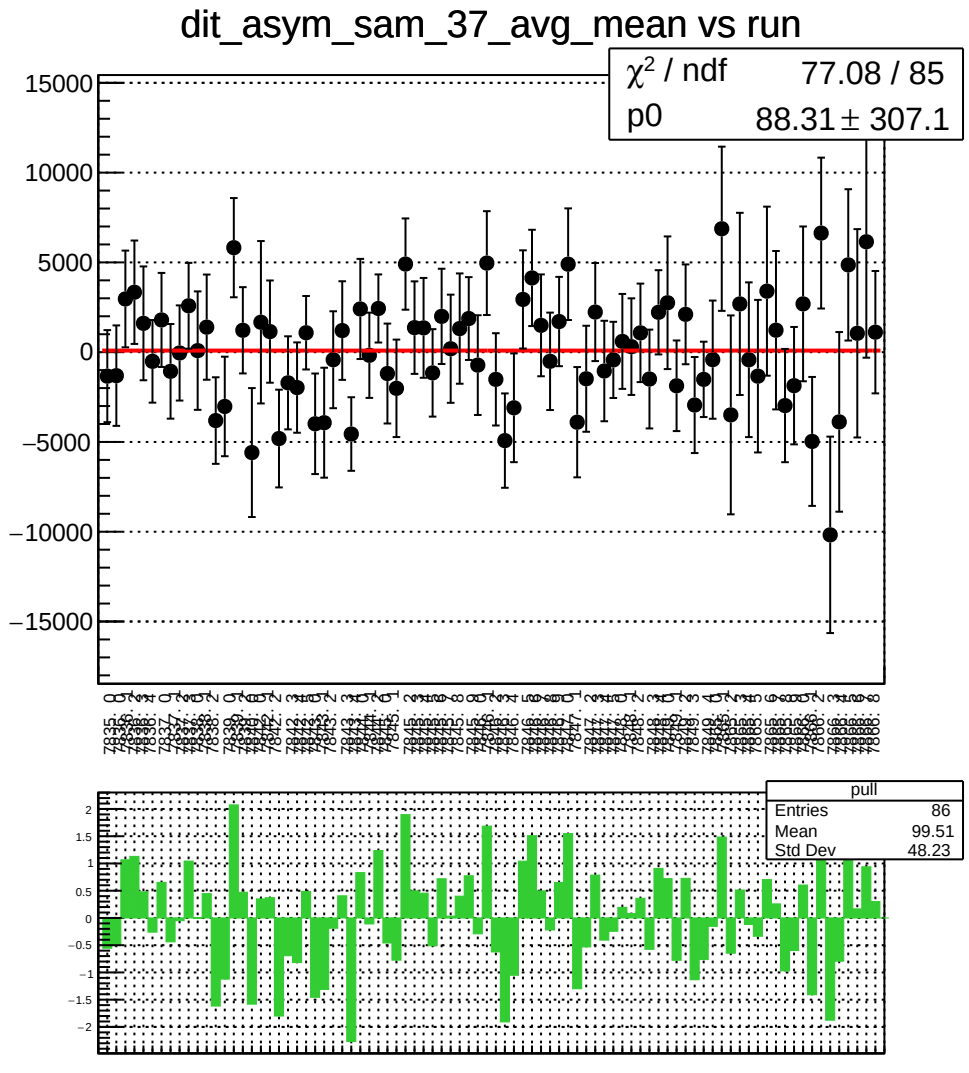

pull1D
Entries 86
Mean −0.01531
Std Dev 0.9877

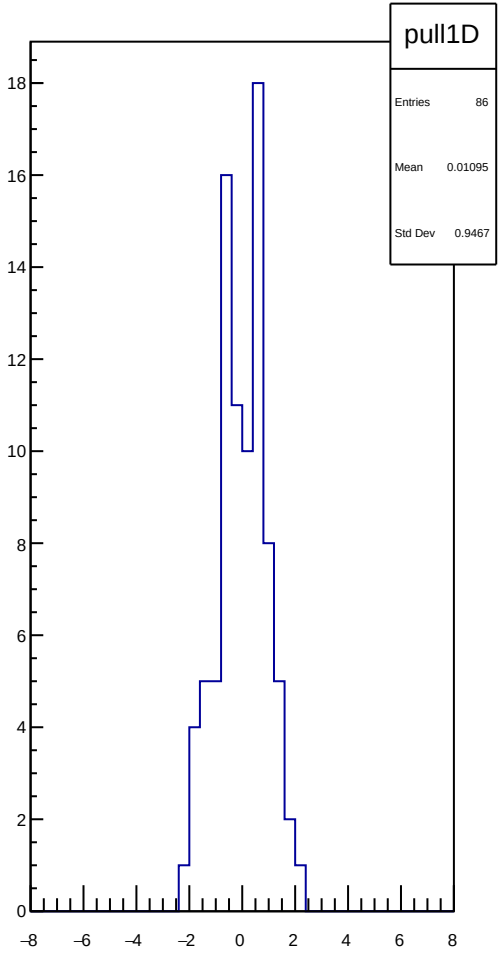

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2.096e+04 / 85
p0 2140 ± 1.662
3400
3200
3000
2800
2600
2400
2200
2000
1800

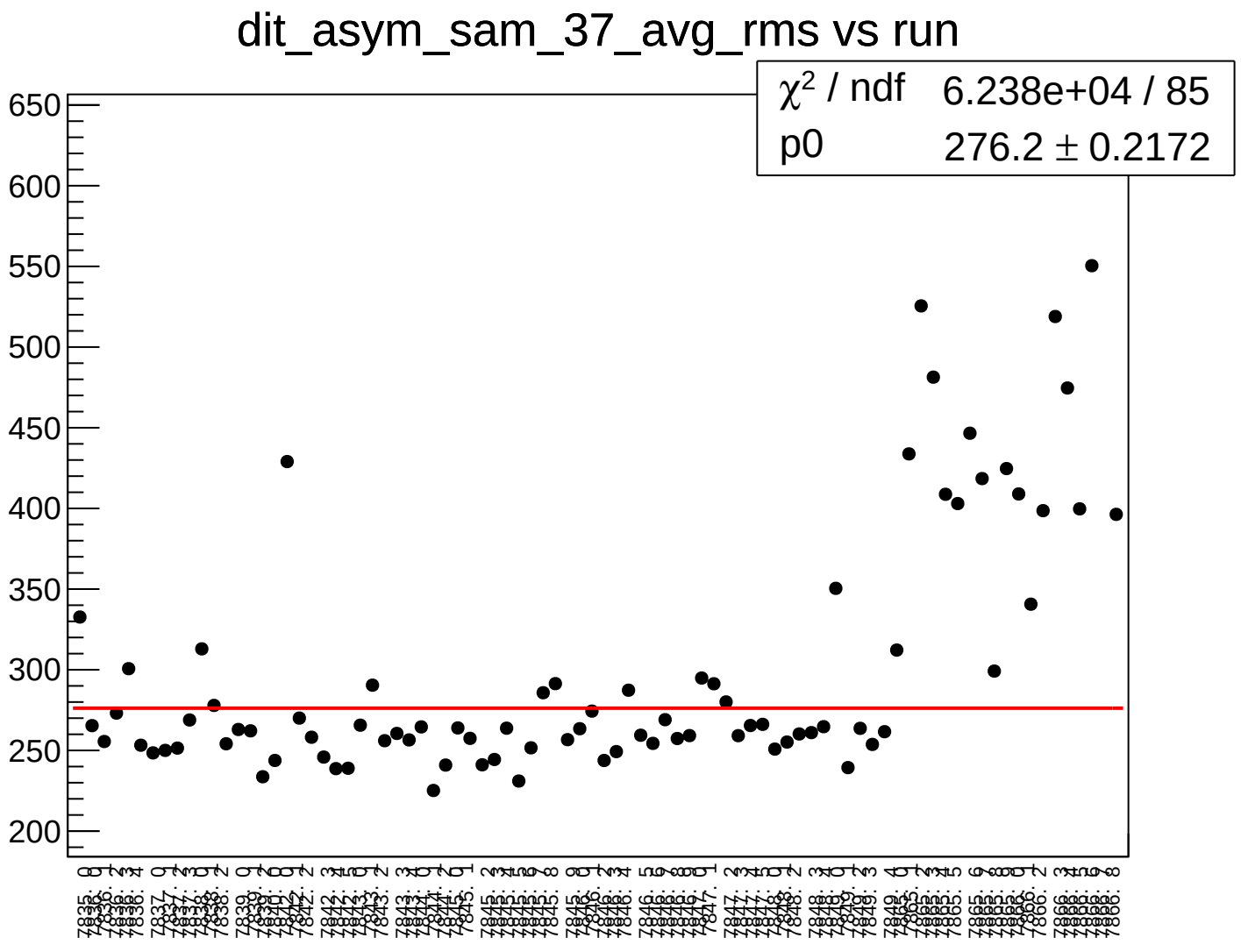

asym_sam_26_avg_mean vs run
χ² / ndf 83.74 / 85
p0 29.28 ± 2322
pull
Entries 86
Mean 147.6
Std Dev 116.9

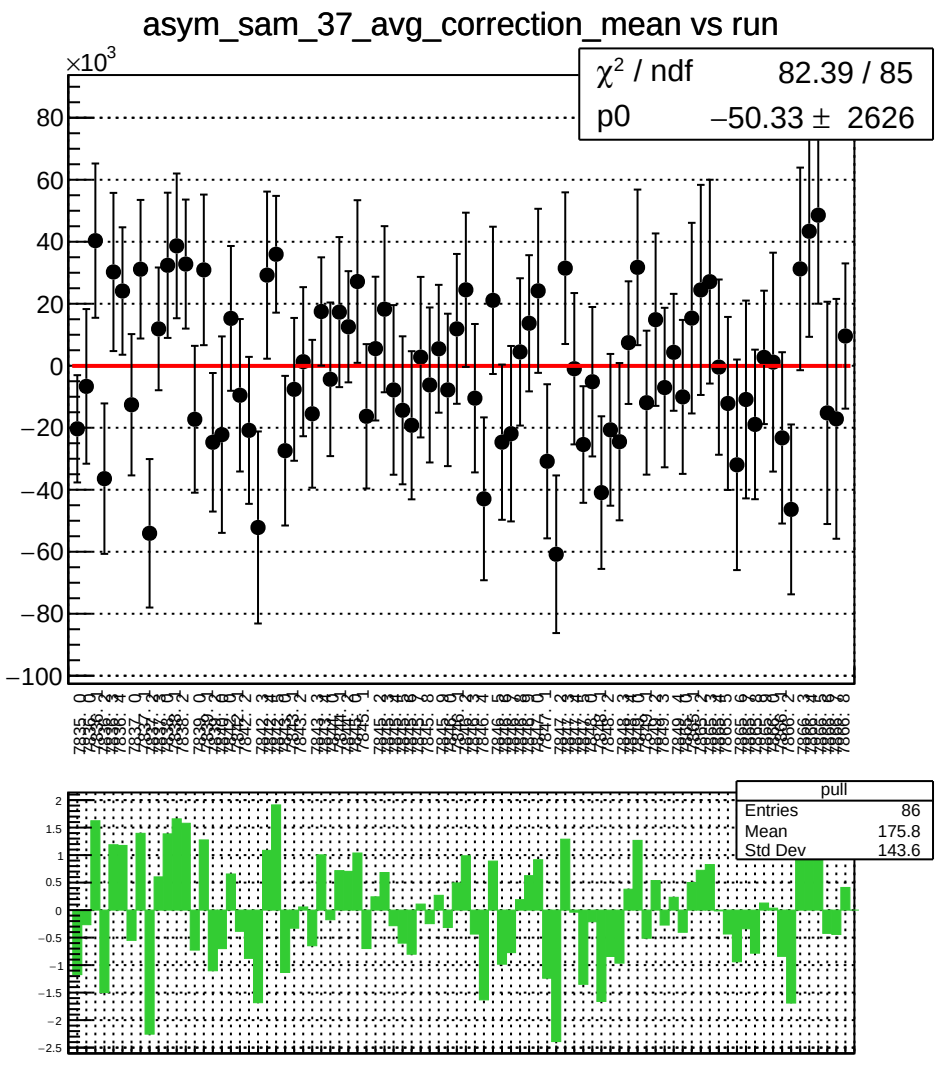

pull1D
Entries 86
Mean 0.01553
Std Dev 0.9867

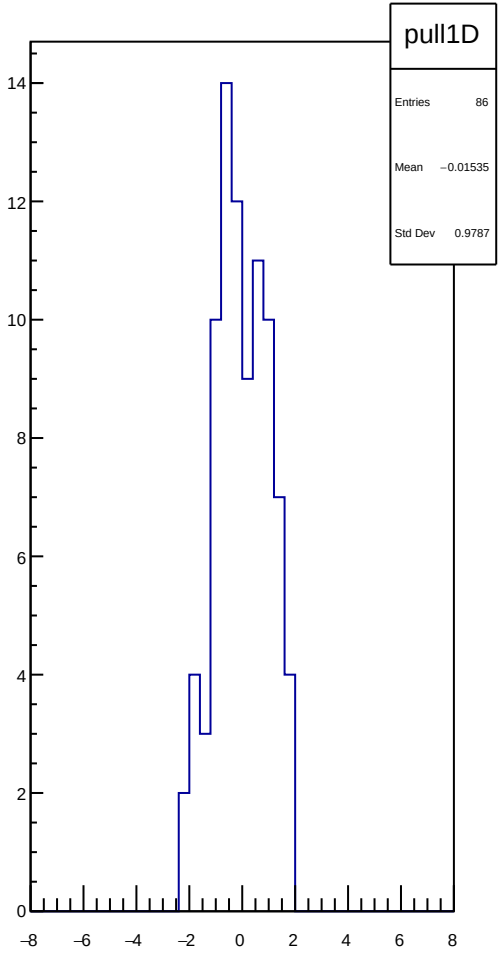

asym_sam_26_avg_rms vs run
χ² / ndf 1.966e+04 / 85
p0 2115 ± 1.642
3200
3000
2800
2600
2400
2200
2000
1800

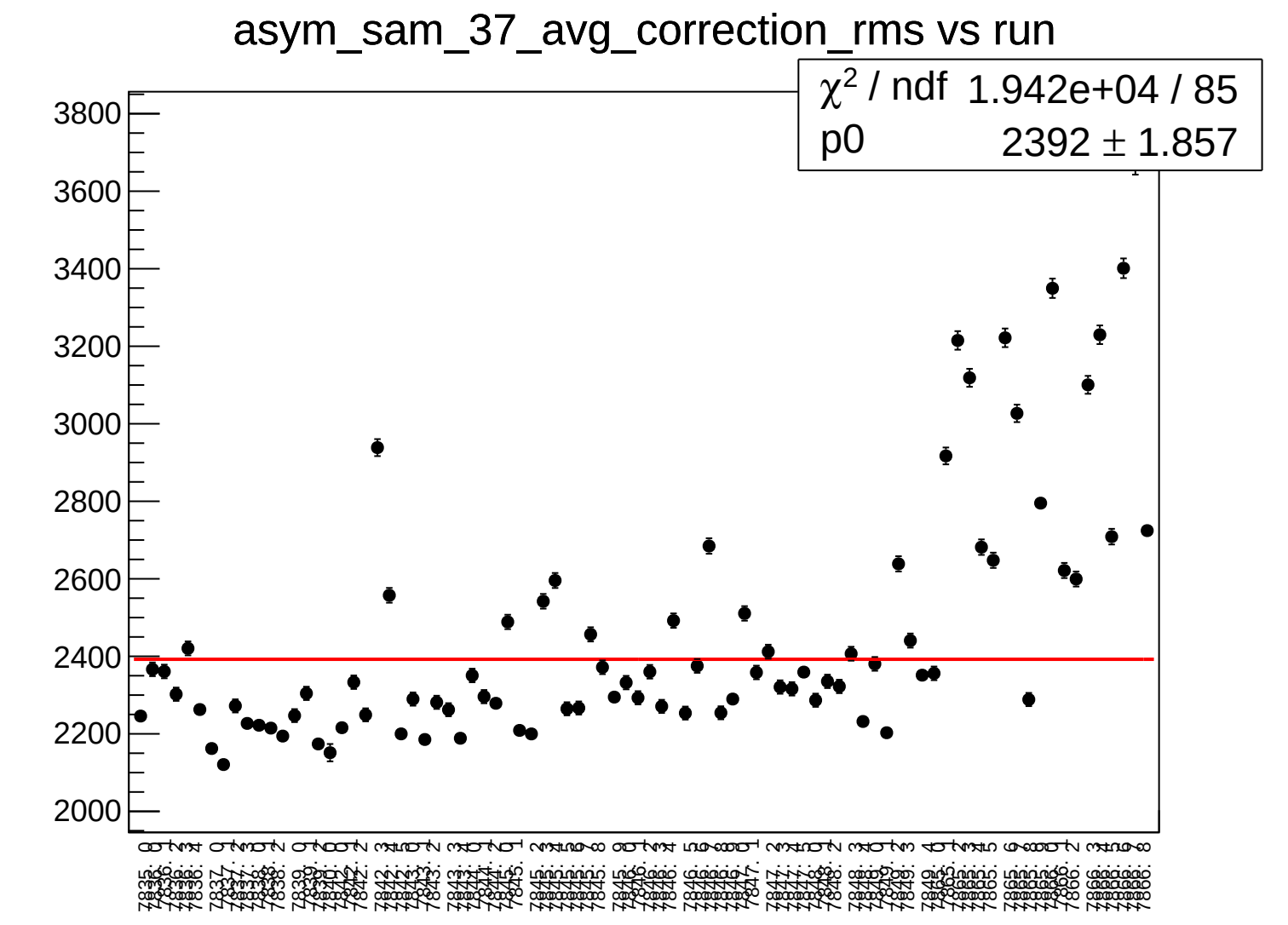

dit_asym_sam_37_avg_mean vs run
χ² / ndf 77.08 / 85
p0 88.31 ± 307.1
pull
Entries 86
Mean 99.51
Std Dev 48.23

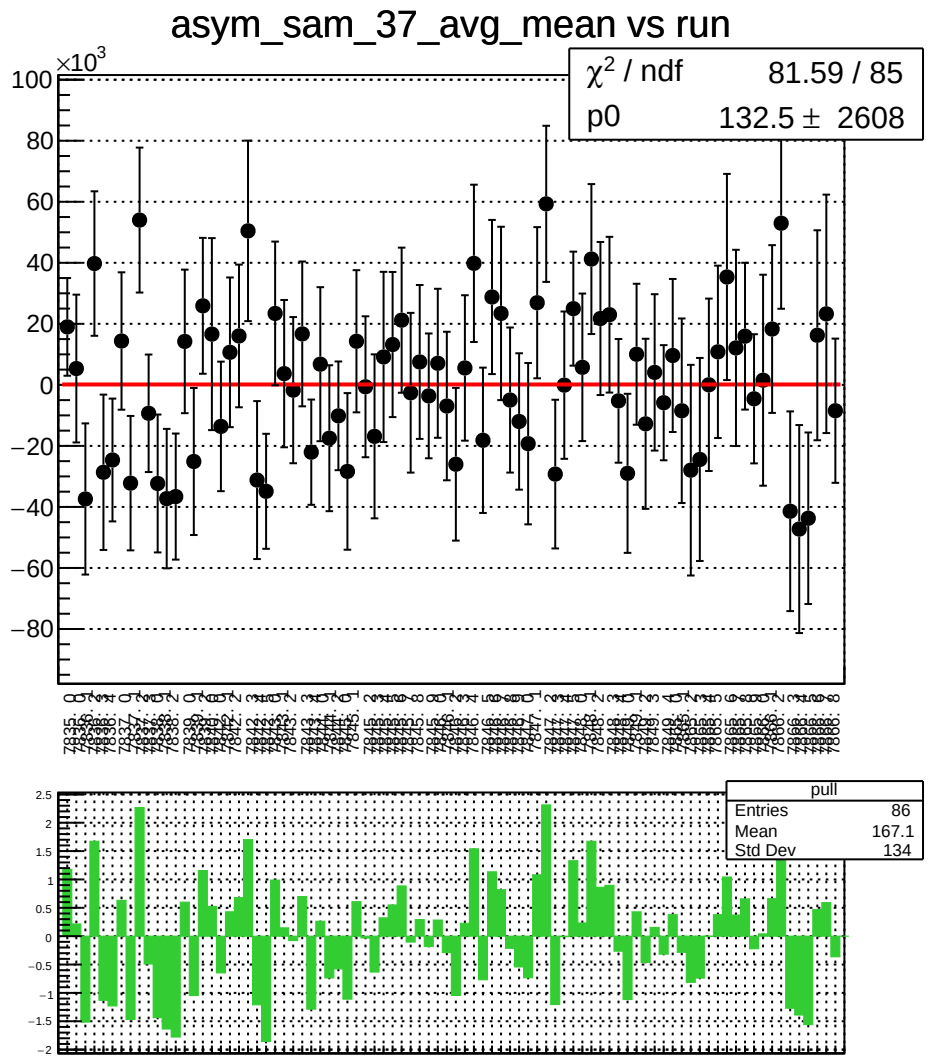

pull1D
Entries 86
Mean 0.01095
Std Dev 0.9467

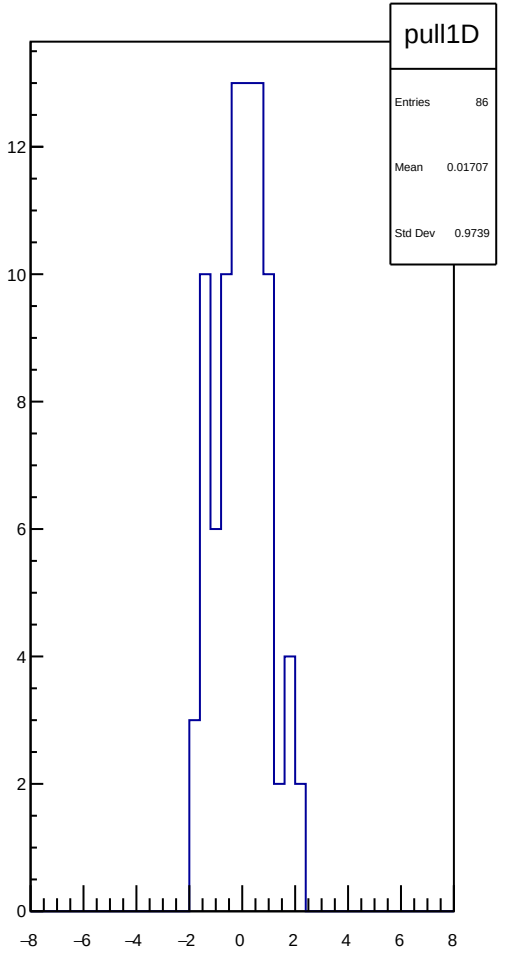

dit_asym_sam_37_avg_rms vs run
χ² / ndf 6.238e+04 / 85
p0 276.2 ± 0.2172
650
600
550
500
450
400
350
300
250
200

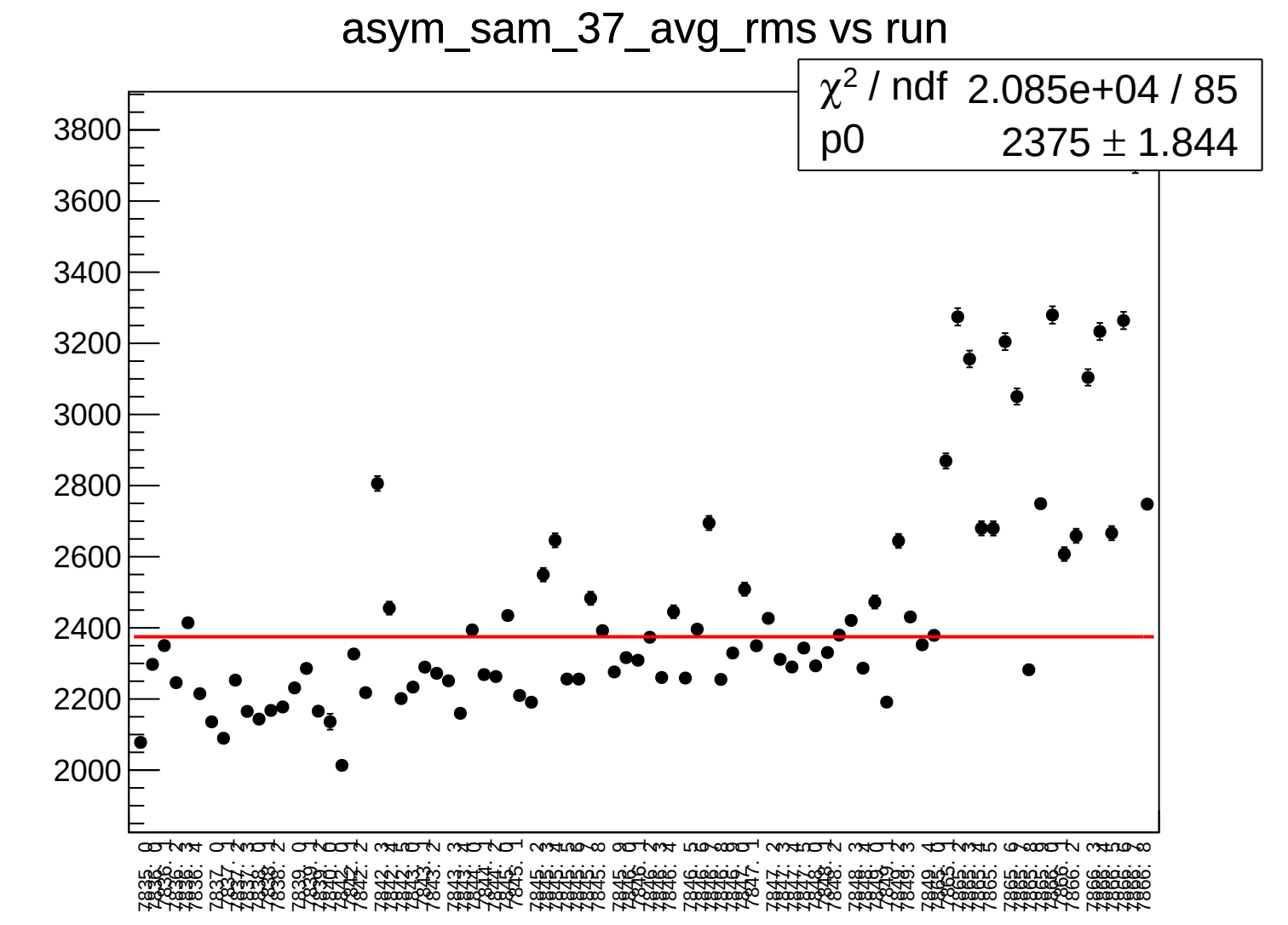

asym_sam_37_avg_correction_mean vs run
χ² / ndf 82.39 / 85
p0 −50.33 ± 2626
×10³
pull
Entries 86
Mean 175.8
Std Dev 143.6

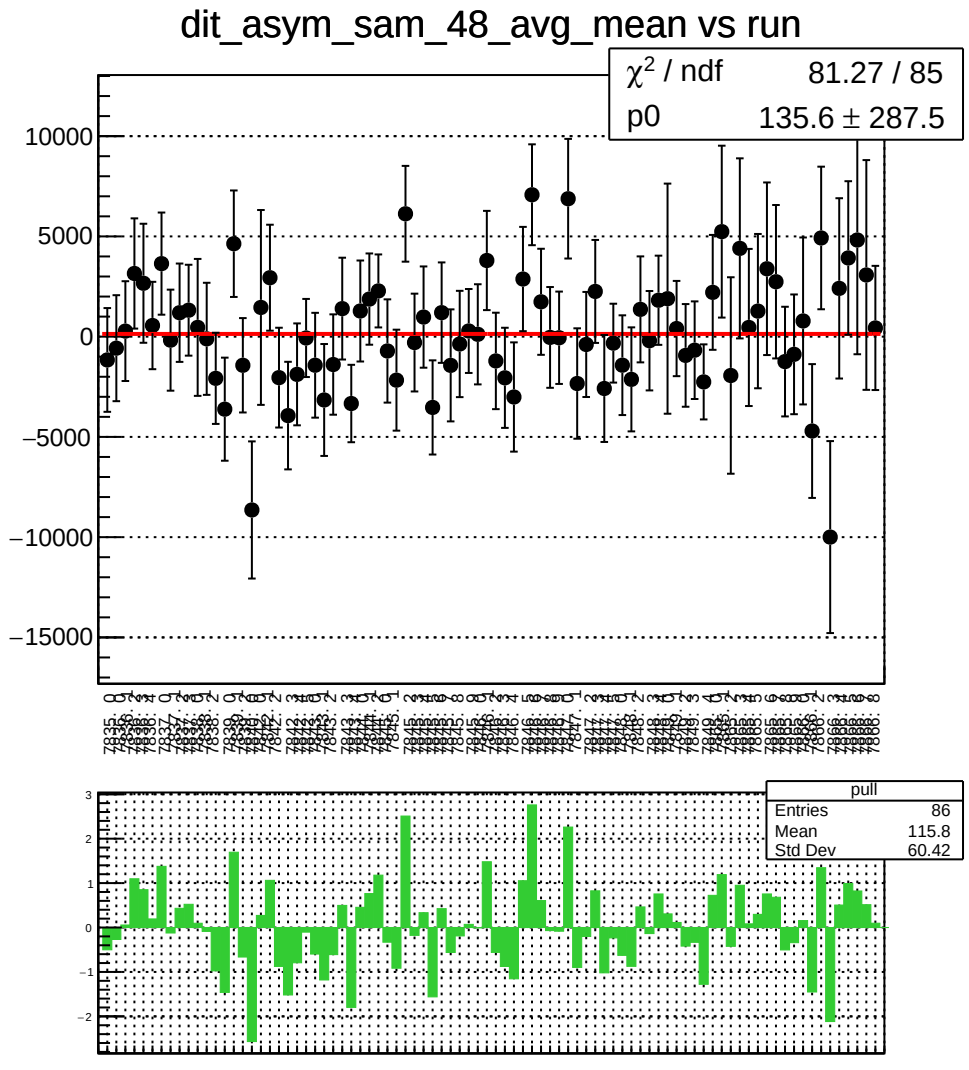

pull1D
Entries 86
Mean −0.01535
Std Dev 0.9787

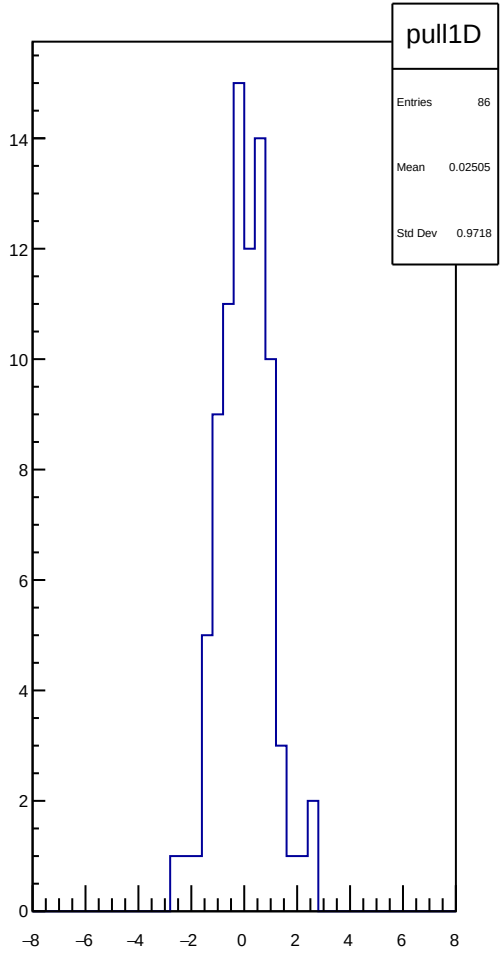

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1.942e+04 / 85
p0 2392 ± 1.857
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

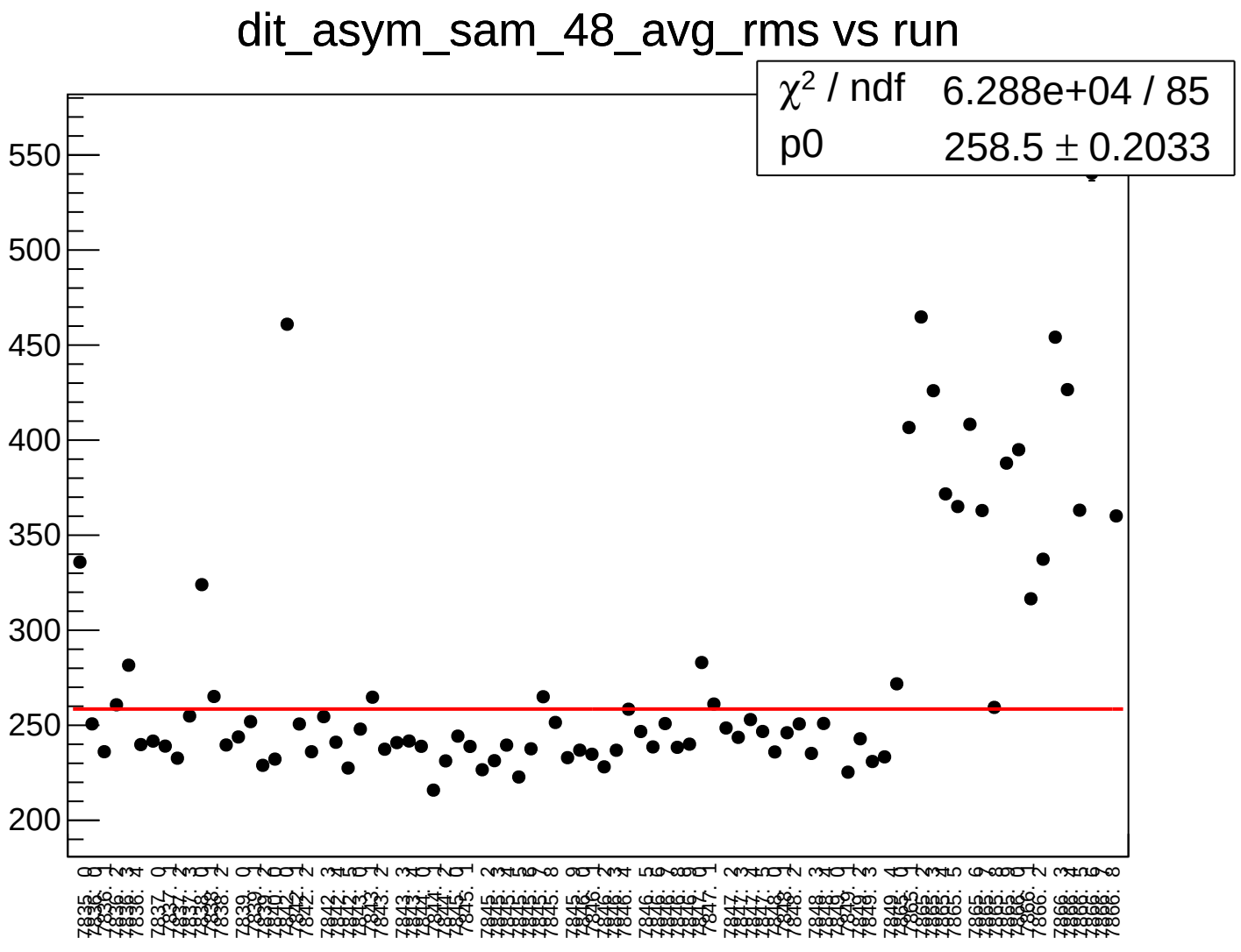

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 81.59 / 85
p0 132.5 ± 2608
pull
Entries 86
Mean 167.1
Std Dev 134

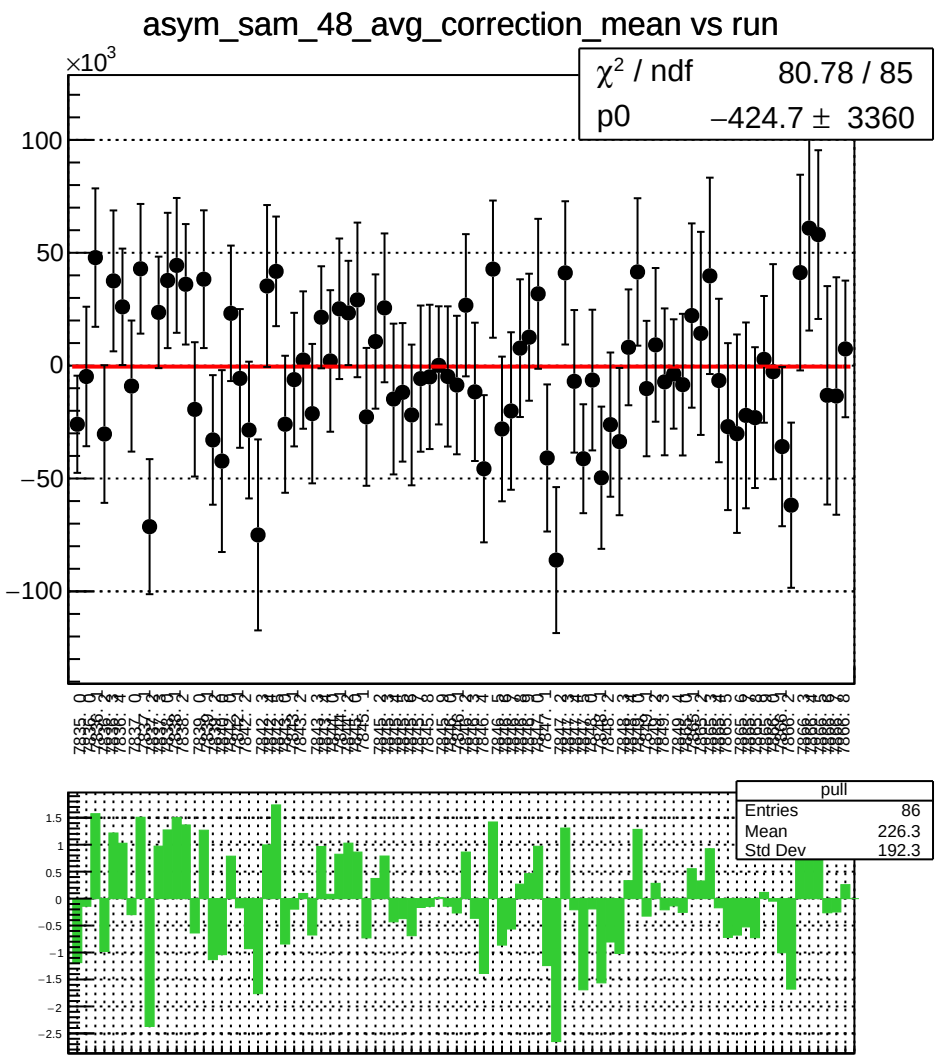

pull1D
Entries 86
Mean 0.01707
Std Dev 0.9739

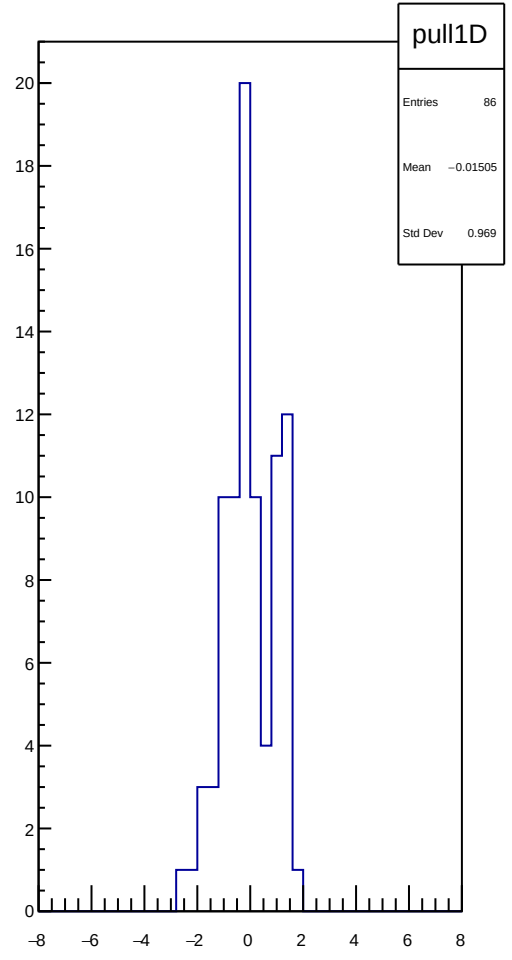

asym_sam_37_avg_rms vs run
χ² / ndf 2.085e+04 / 85
p0 2375 ± 1.844
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

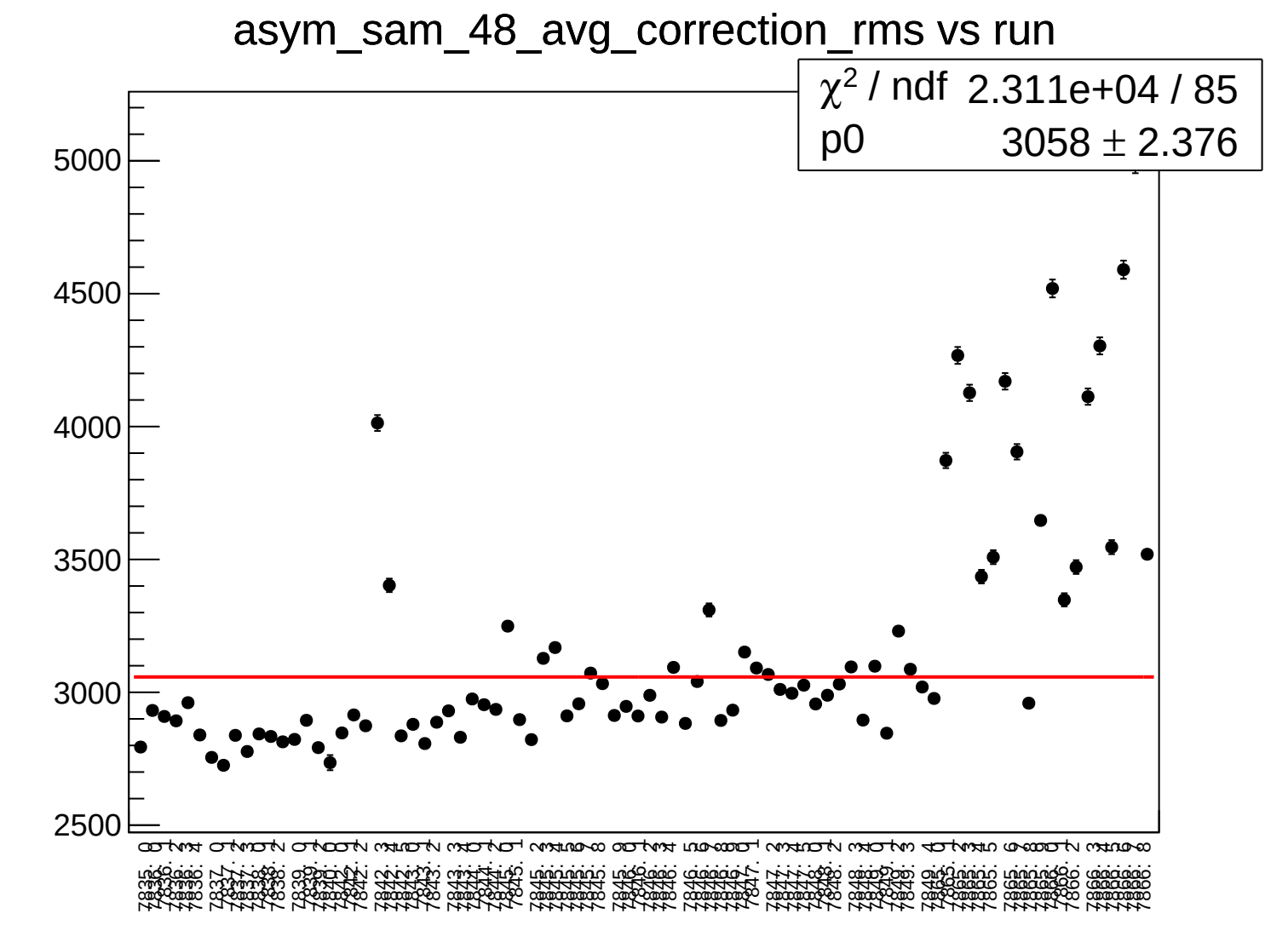

dit_asym_sam_48_avg_mean vs run
χ² / ndf 81.27 / 85
p0 135.6 ± 287.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 115.8
Std Dev 60.42
3
2
1
0
−1
−2

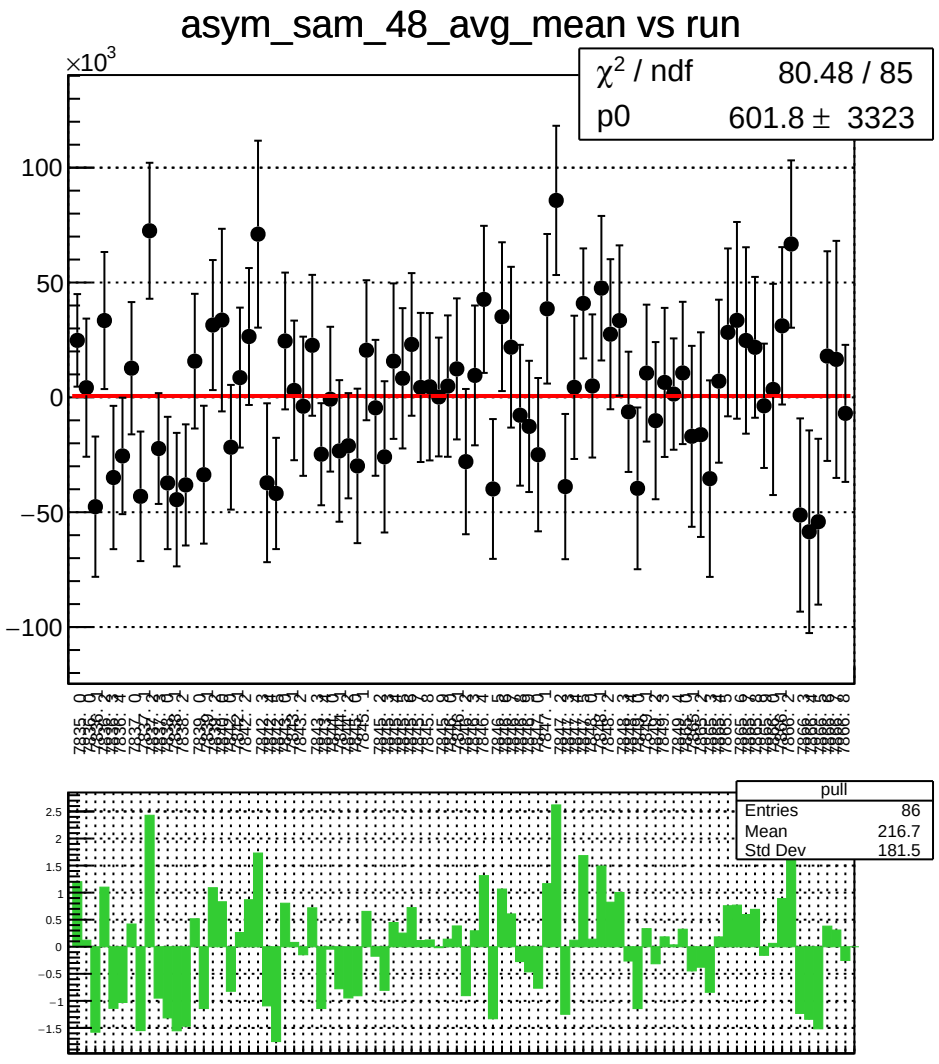

pull1D
Entries 86
Mean 0.02505
Std Dev 0.9718
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

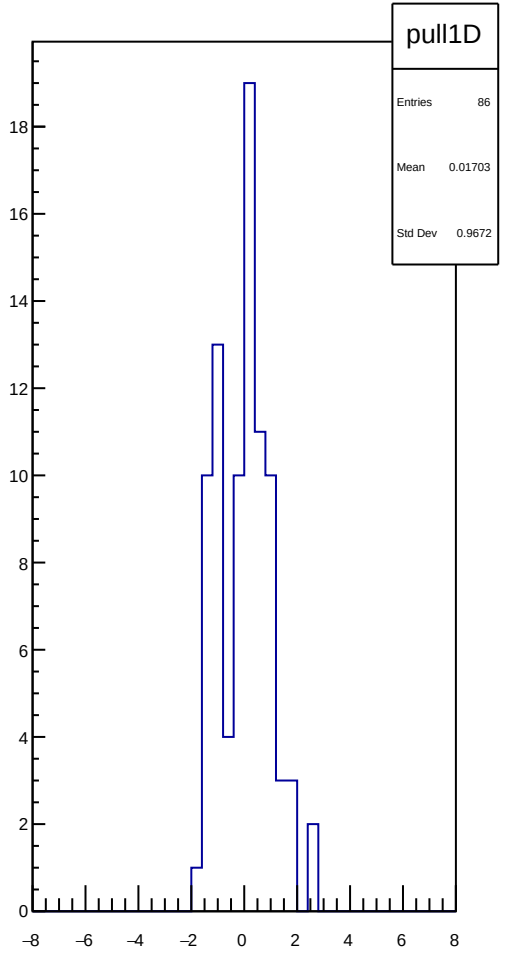

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 6.288e+04 / 85
p0 258.5 ± 0.2033
550
500
450
400
350
300
250
200

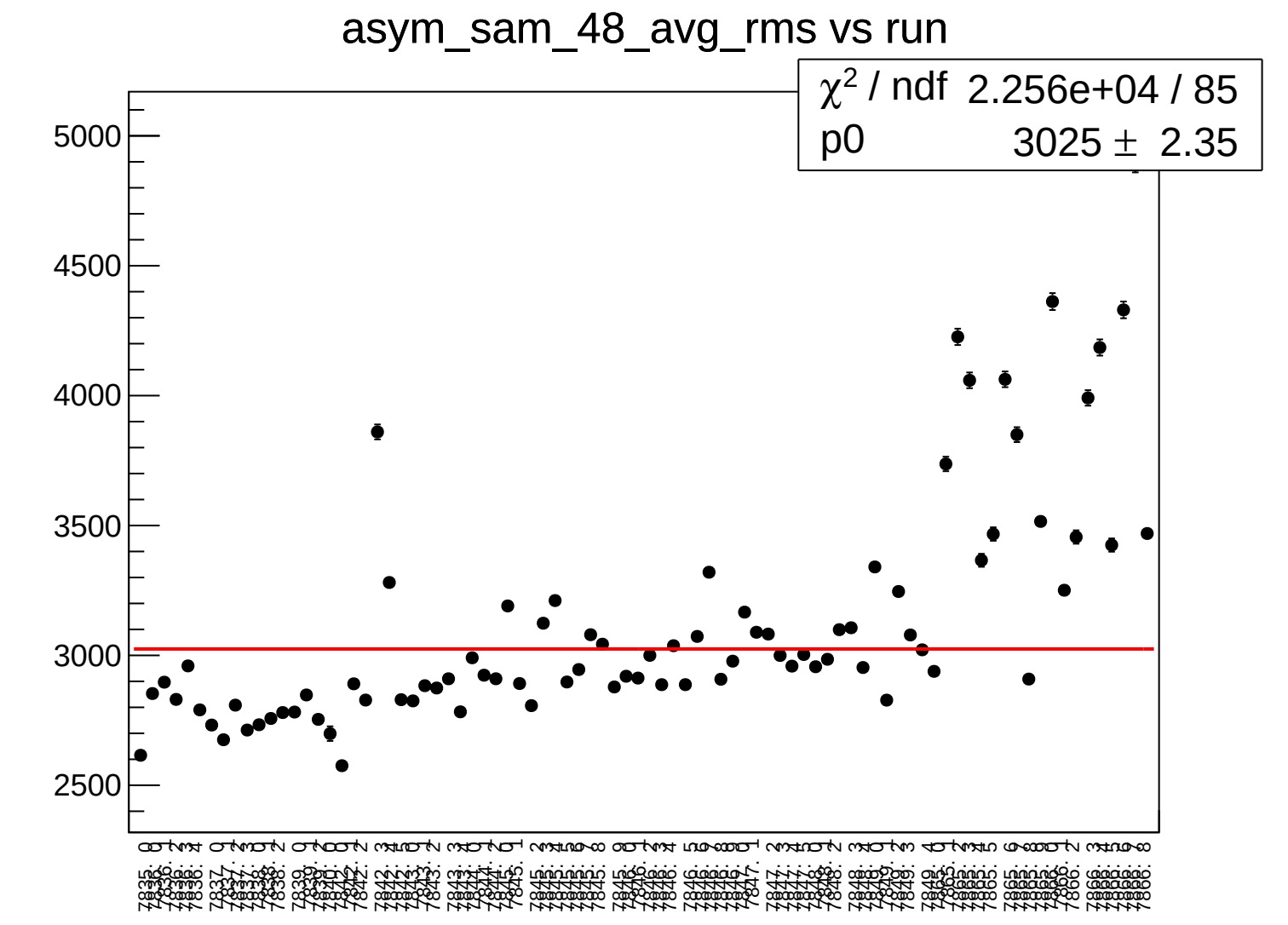

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 80.78 / 85
p0 −424.7 ± 3360
100
50
0
−50
−100
pull
Entries 86
Mean 226.3
Std Dev 192.3
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

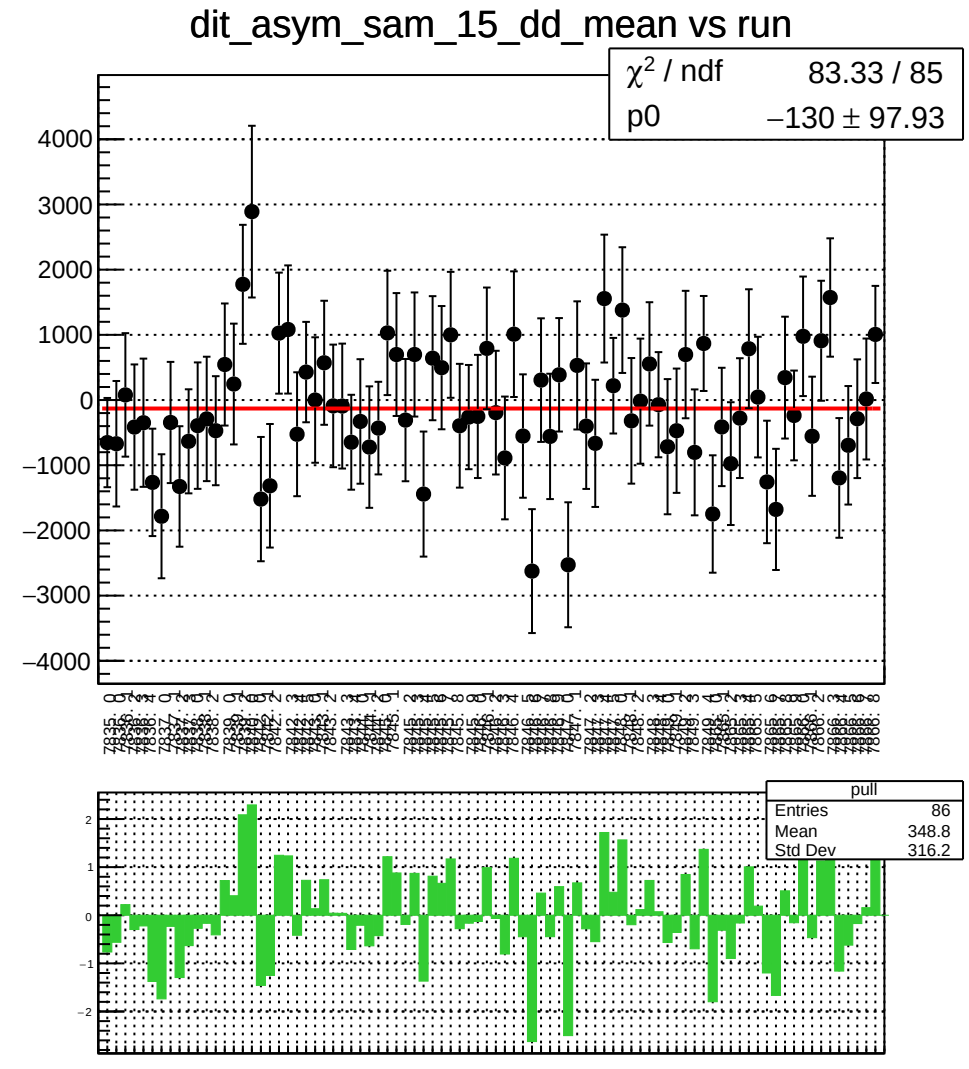

pull1D
Entries 86
Mean −0.01505
Std Dev 0.969
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

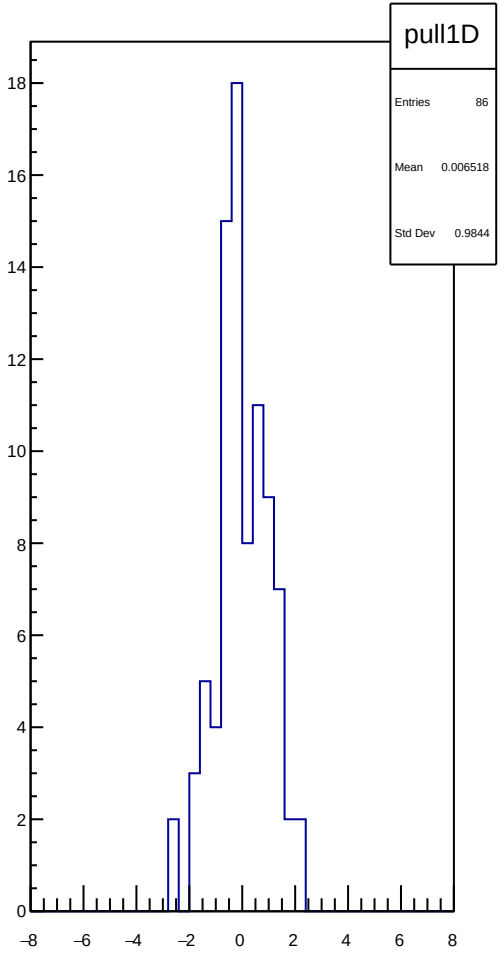

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2.311e+04 / 85
p0 3058 ± 2.376
5000
4500
4000
3500
3000
2500

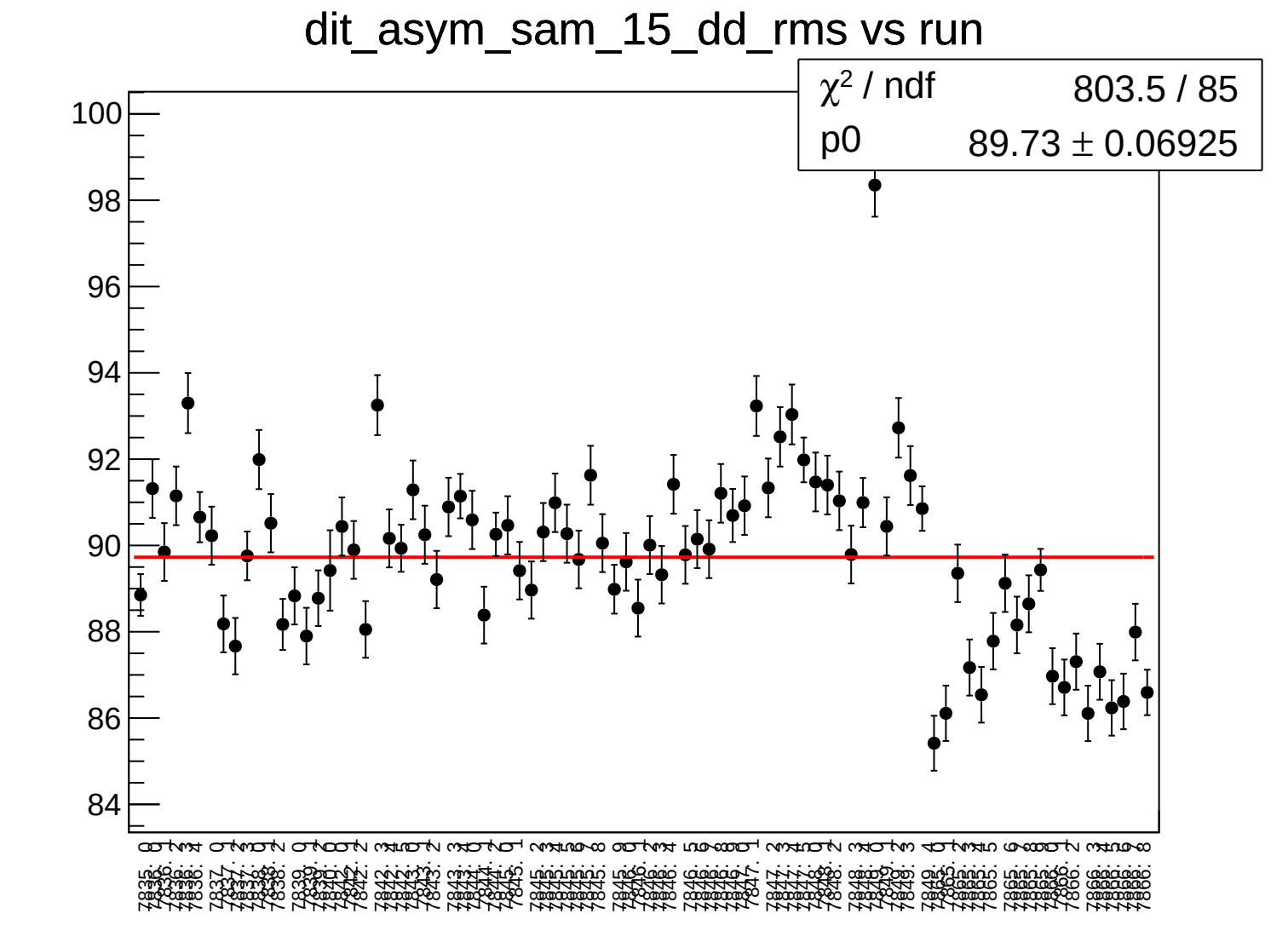

asym_sam_48_avg_mean vs run
×10^3
χ^2 / ndf 80.48 / 85
p0 601.8 ± 3323
100
50
0
−50
−100
pull
Entries 86
Mean 216.7
Std Dev 181.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

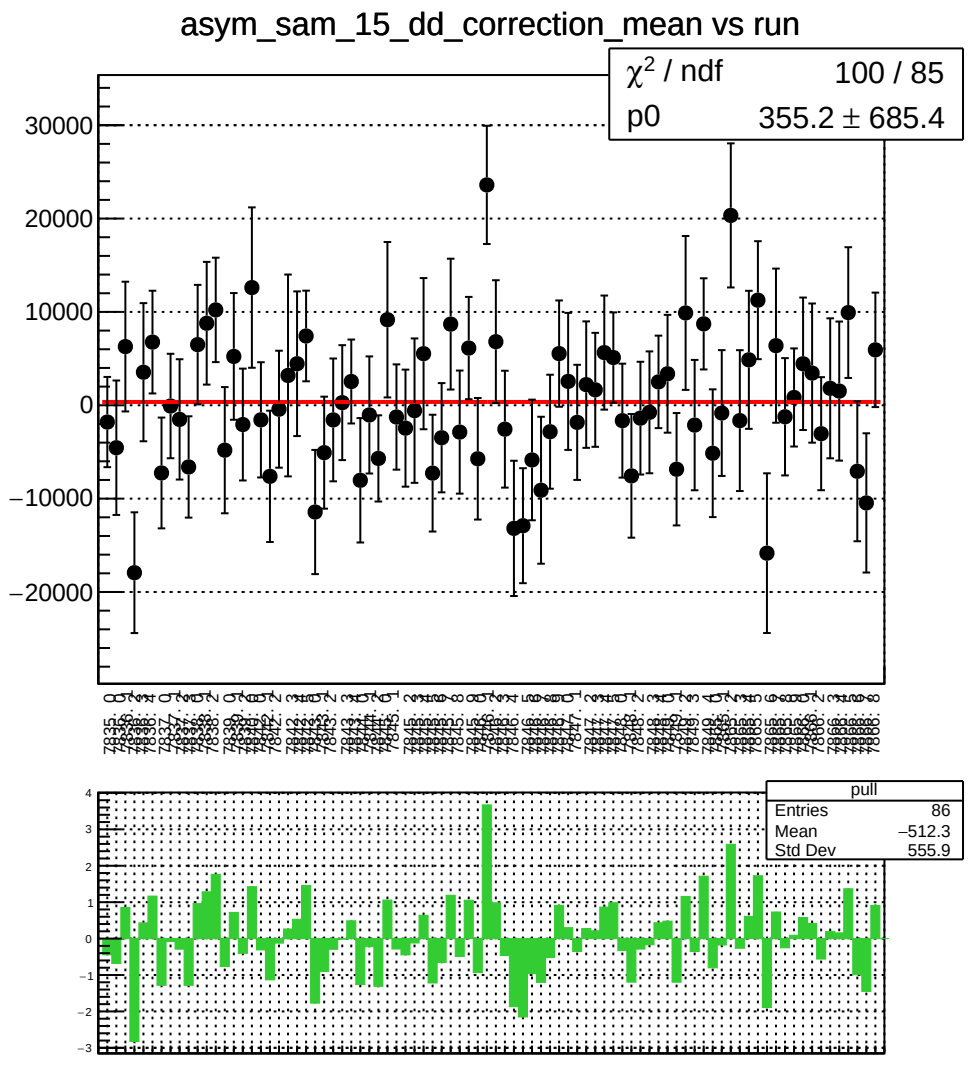

pull1D
Entries 86
Mean 0.01703
Std Dev 0.9672
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

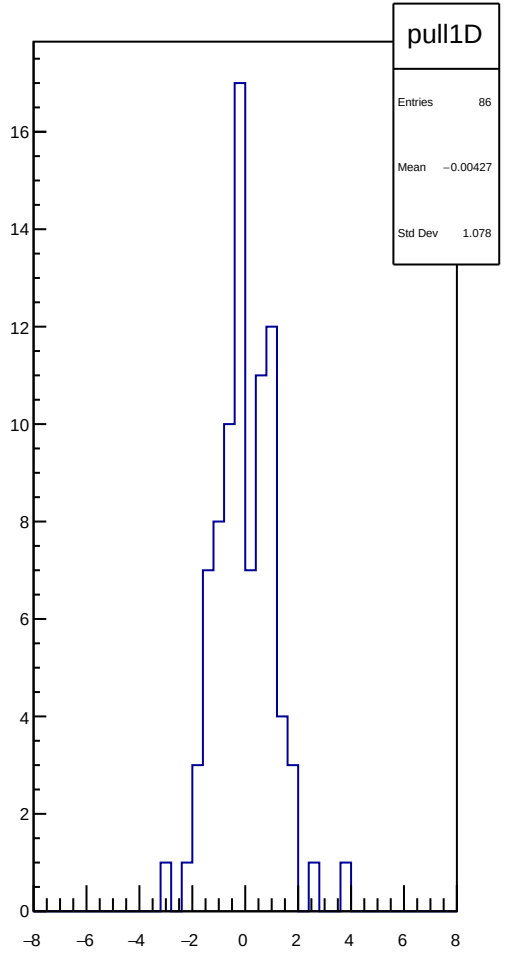

asym_sam_48_avg_rms vs run
χ^2 / ndf 2.256e+04 / 85
p0 3025 ± 2.35
5000
4500
4000
3500
3000
2500

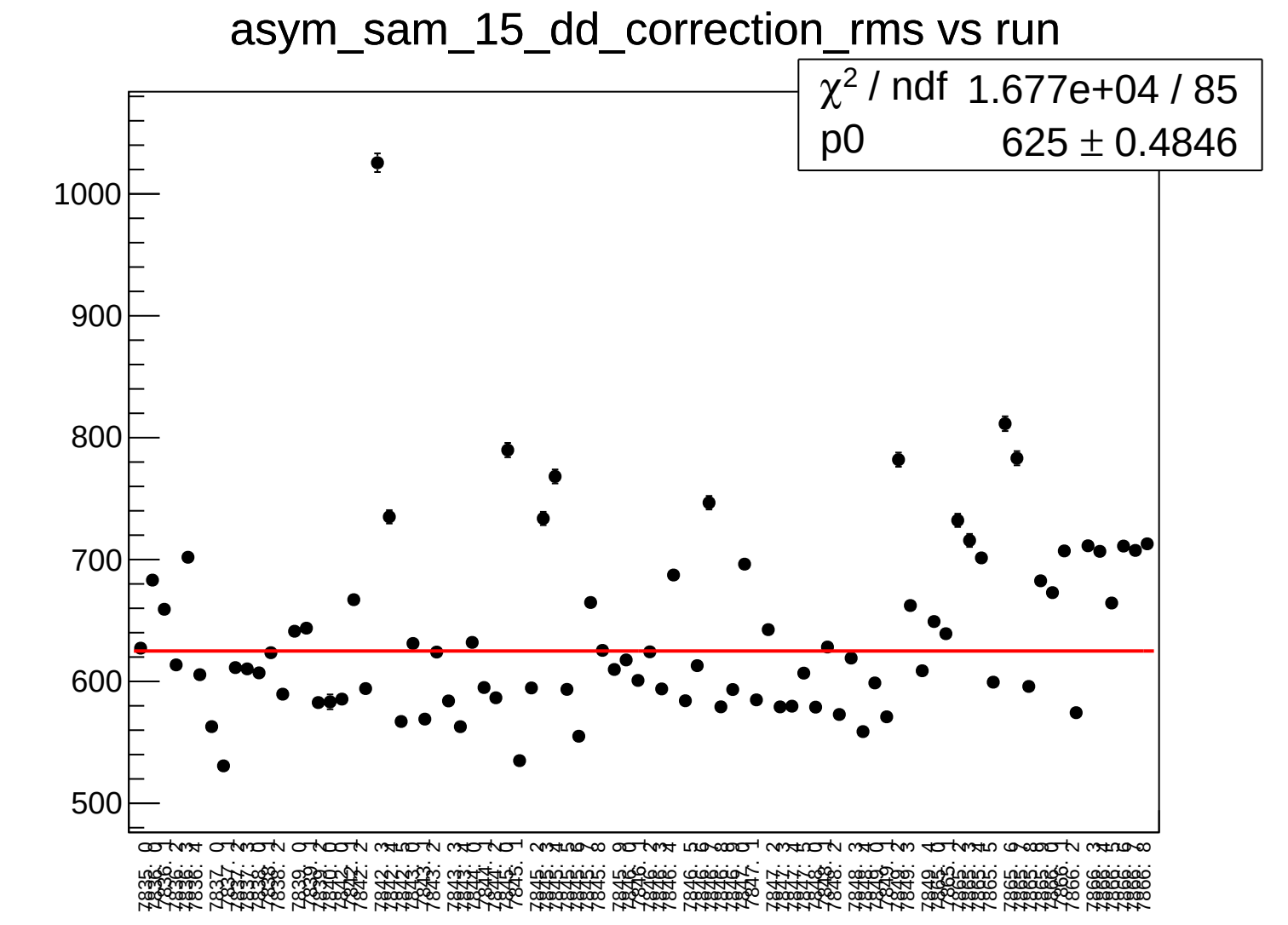

dit_asym_sam_15_dd_mean vs run
χ^2 / ndf 83.33 / 85
p0 −130 ± 97.93
pull
Entries 86
Mean 348.8
Std Dev 316.2

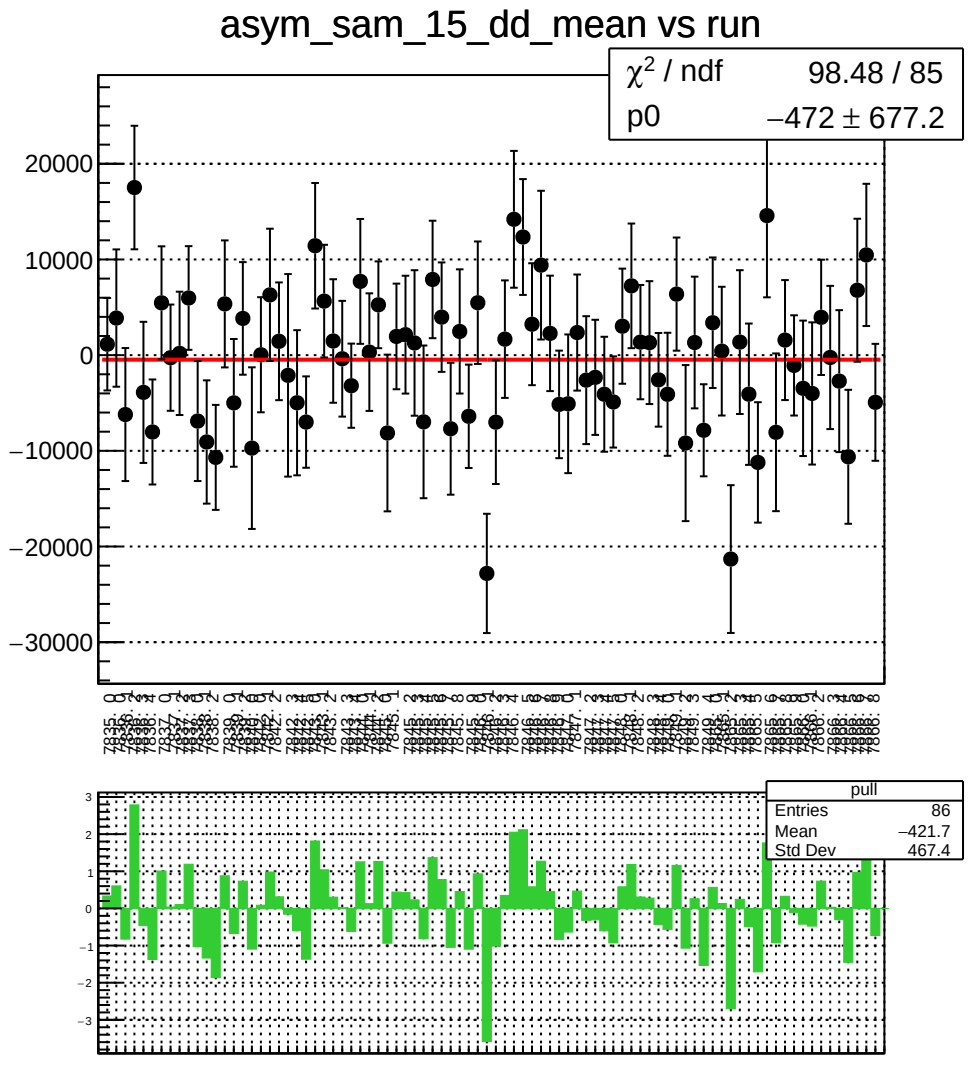

pull1D
Entries 86
Mean 0.006518
Std Dev 0.9844

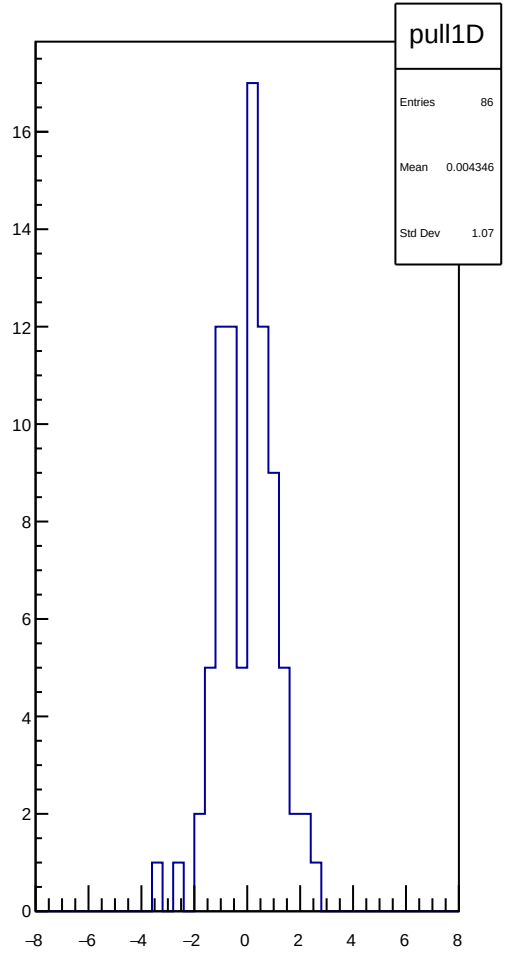

dit_asym_sam_15_dd_rms vs run
χ² / ndf 803.5 / 85
p0 89.73 ± 0.06925
100
98
96
94
92
90
88
86
84

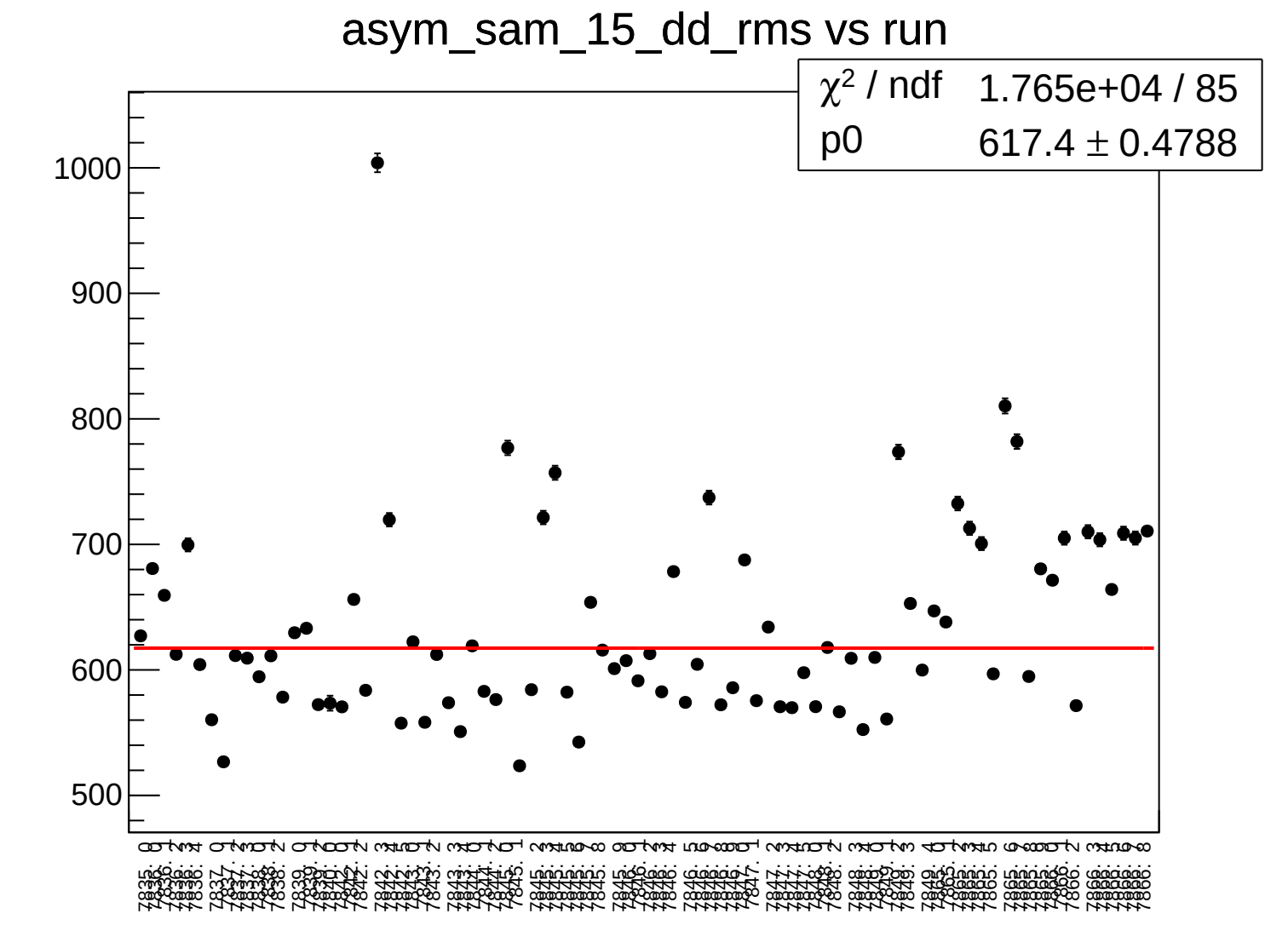

asym_sam_15_dd_correction_mean vs run
χ² / ndf 100 / 85
p0 355.2 ± 685.4
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −512.3
Std Dev 555.9
4
3
2
1
0
−1
−2
−3

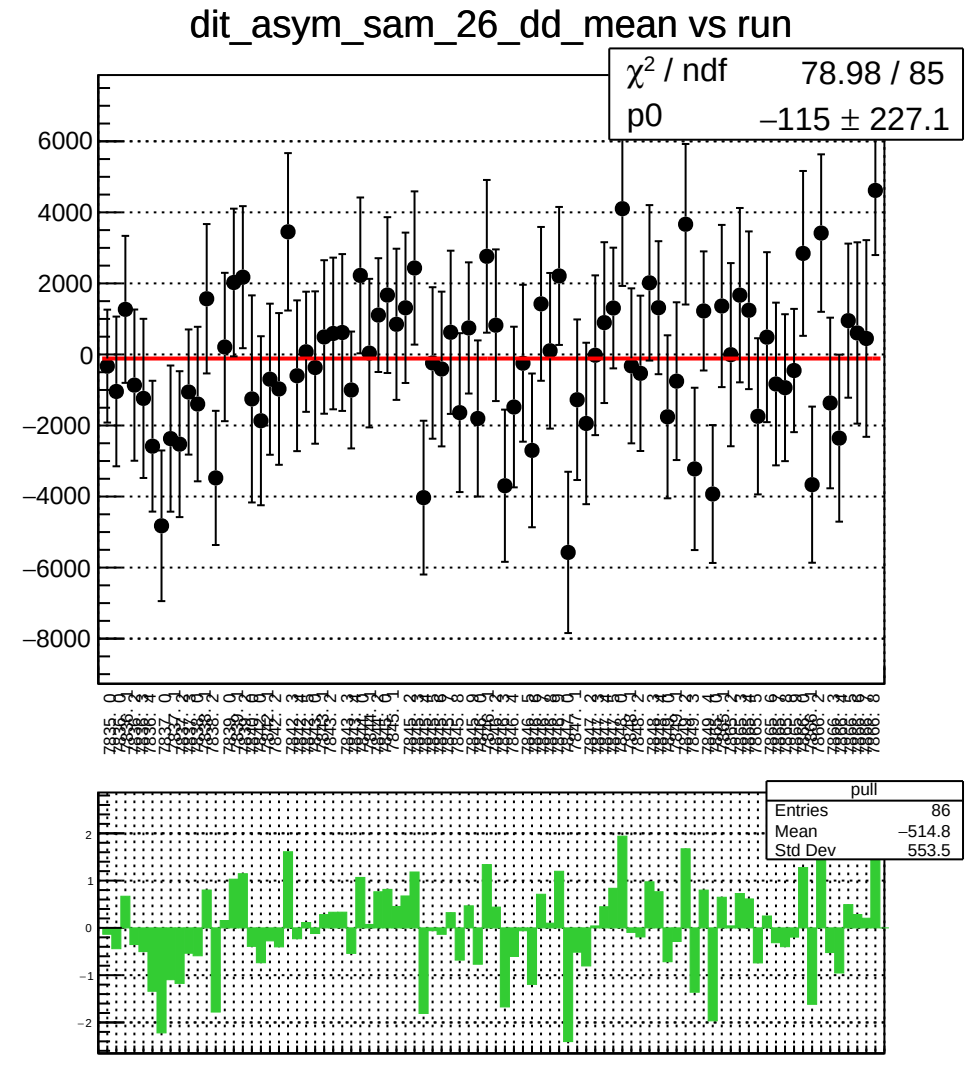

pull1D
Entries 86
Mean −0.00427
Std Dev 1.078
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

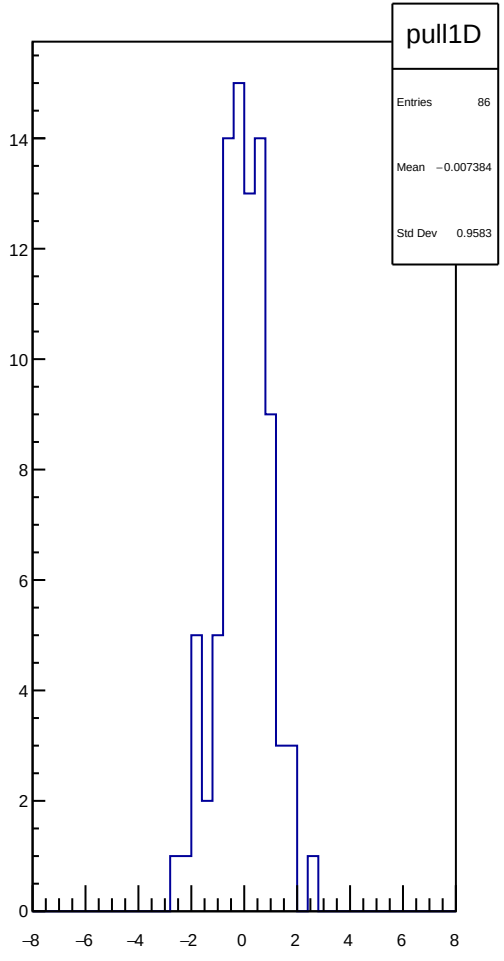

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1.677e+04 / 85
p0 625 ± 0.4846
1000
900
800
700
600
500

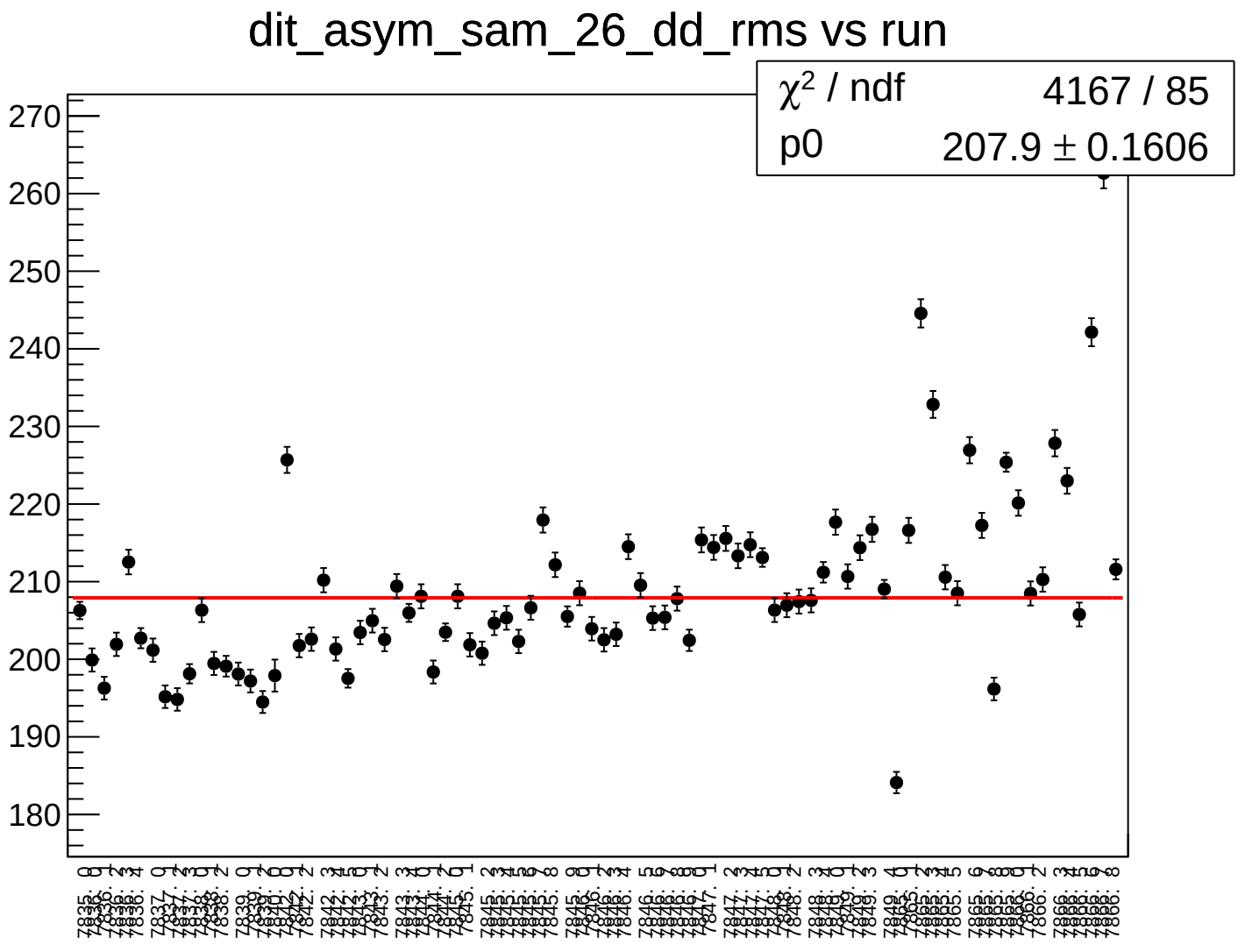

asym_sam_15_dd_mean vs run
χ² / ndf 98.48 / 85
p0 −472 ± 677.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −421.7
Std Dev 467.4
3
2
1
0
−1
−2
−3

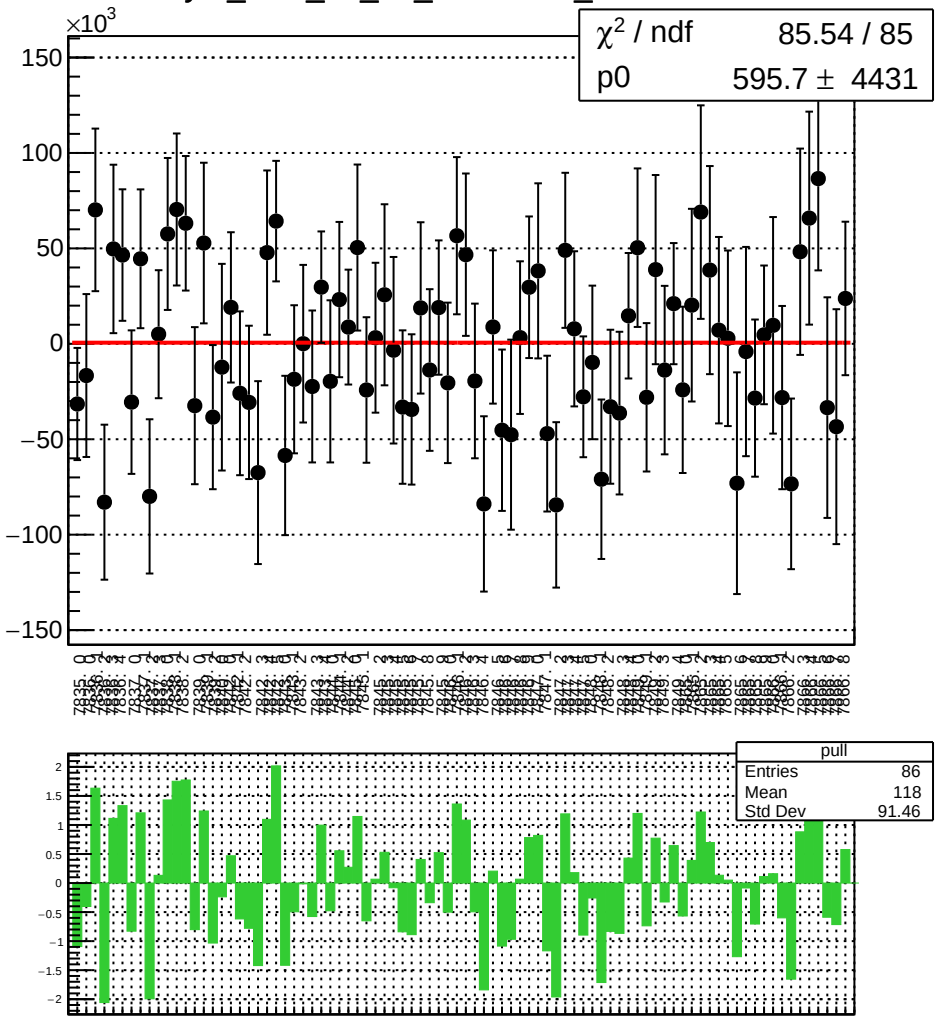

pull1D
Entries 86
Mean 0.004346
Std Dev 1.07
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

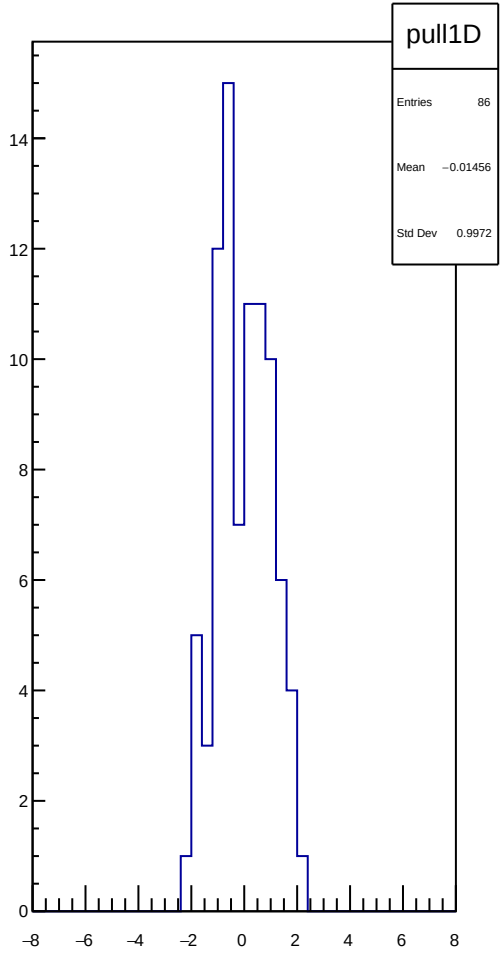

asym_sam_15_dd_rms vs run
χ² / ndf 1.765e+04 / 85
p0 617.4 ± 0.4788
1000
900
800
700
600
500

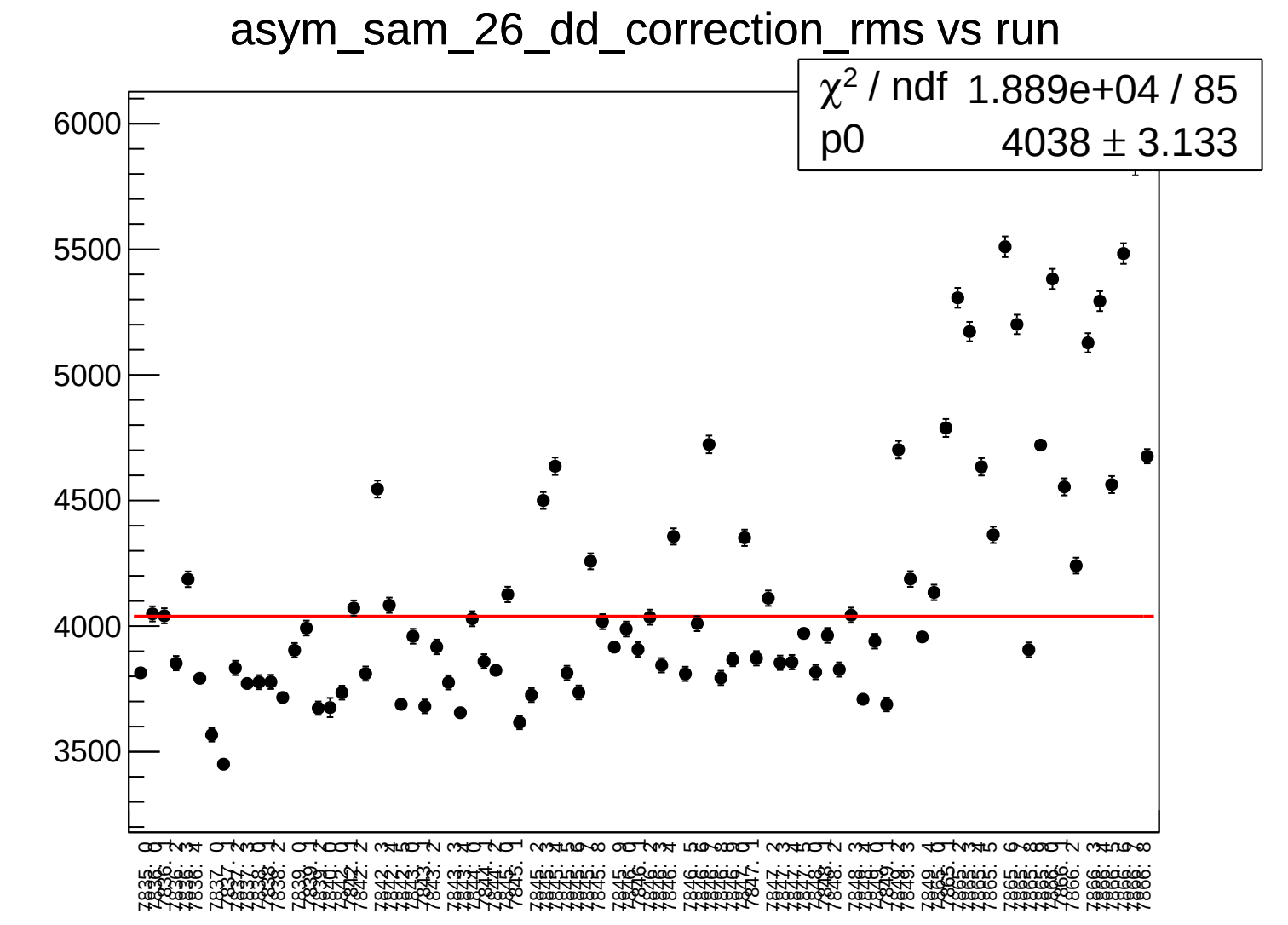

dit_asym_sam_26_dd_mean vs run
χ² / ndf 78.98 / 85
p0 −115 ± 227.1
pull
Entries 86
Mean −514.8
Std Dev 553.5

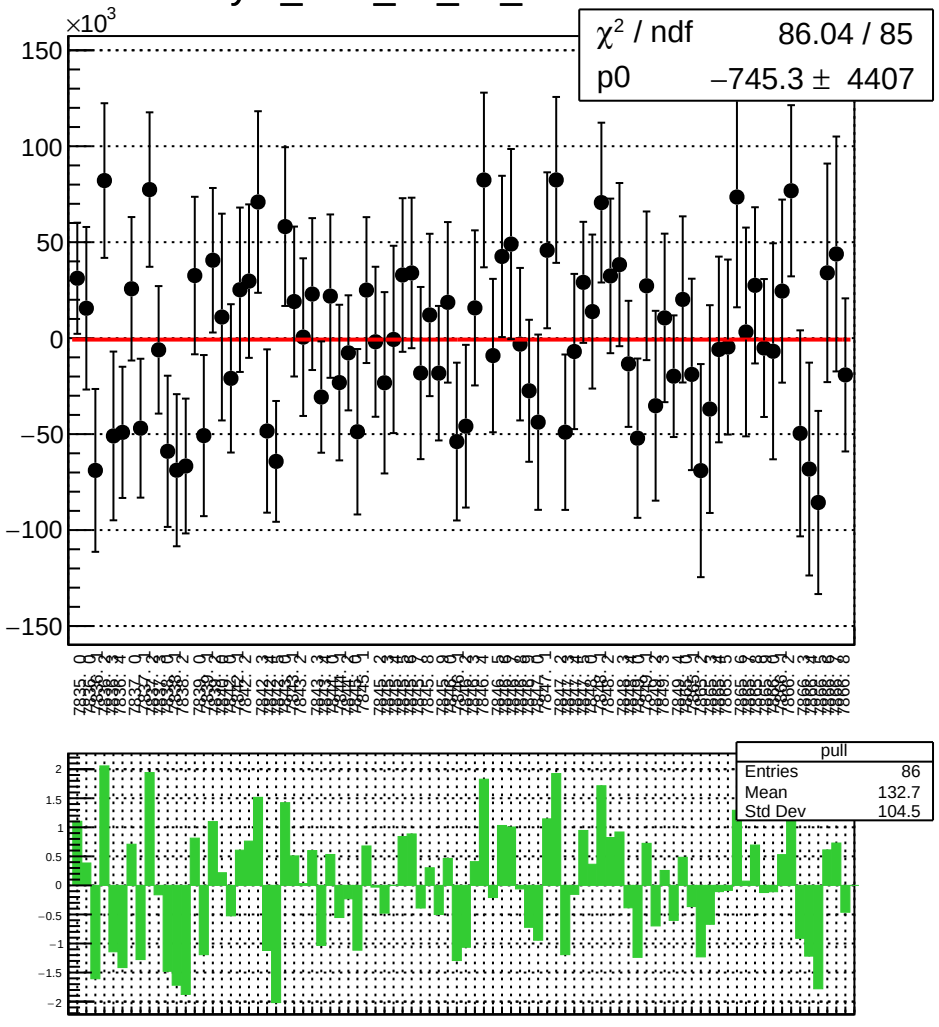

pull1D
Entries 86
Mean −0.007384
Std Dev 0.9583

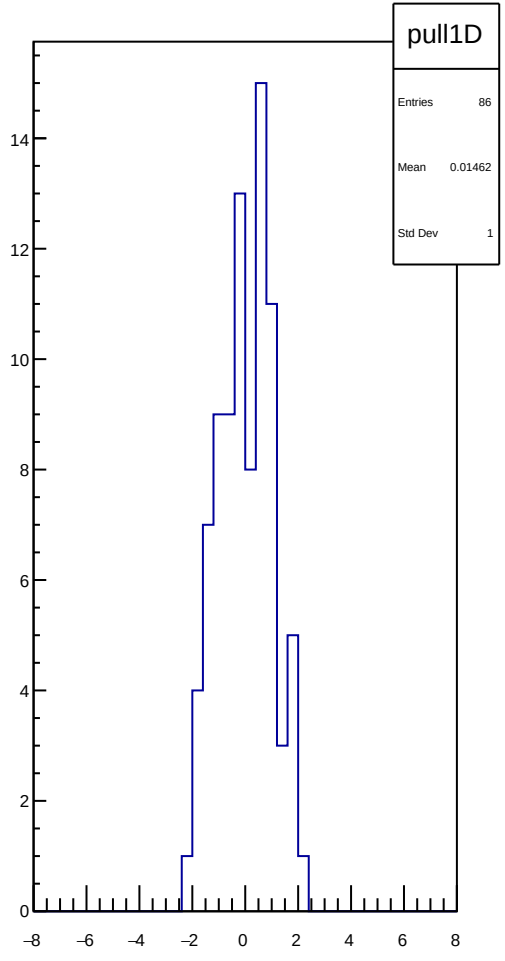

dit_asym_sam_26_dd_rms vs run
χ² / ndf 4167 / 85
p0 207.9 ± 0.1606
270
260
250
240
230
220
210
200
190
180

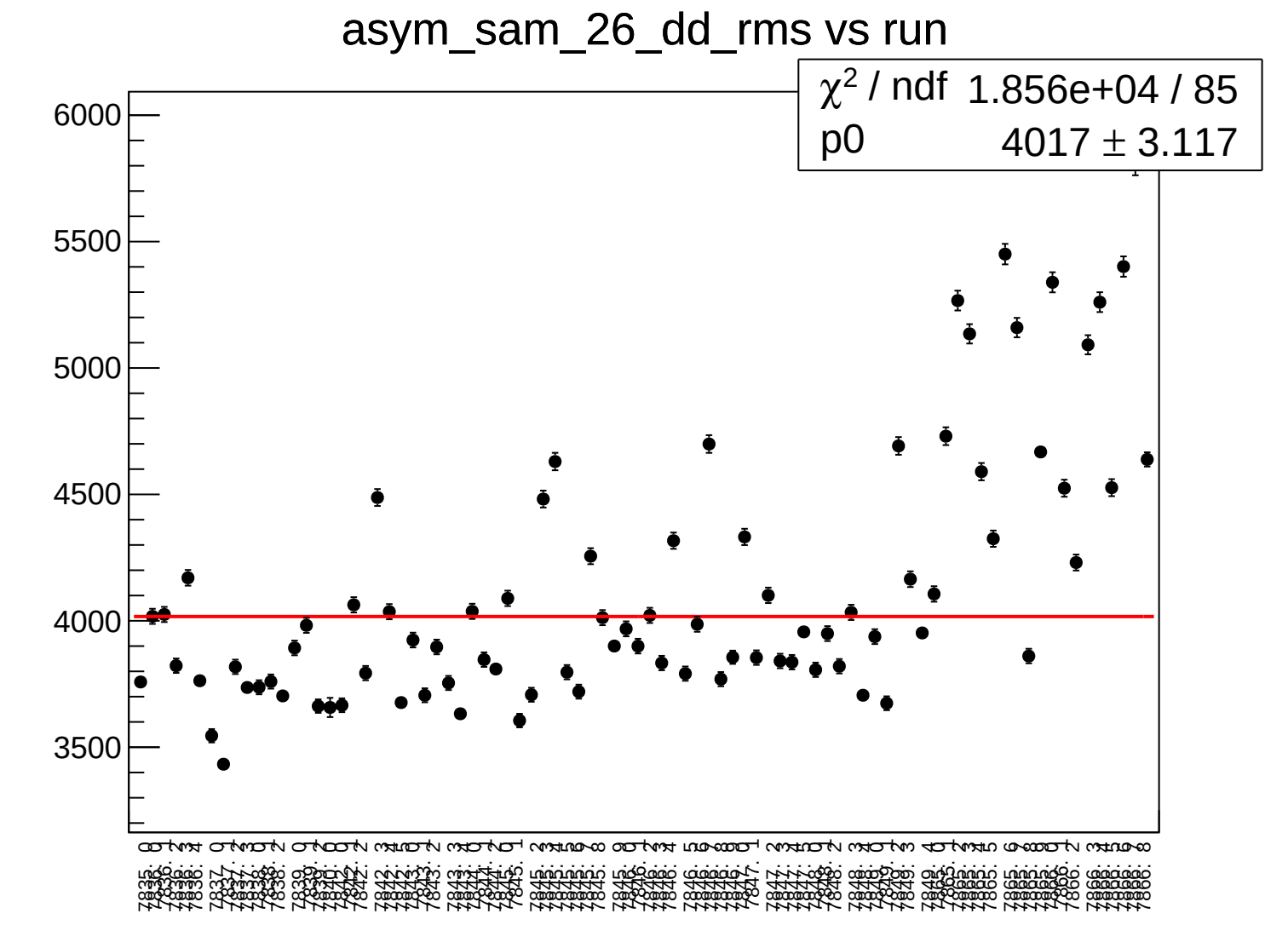

asym_sam_26_dd_correction_mean vs run
×10^3
χ² / ndf 85.54 / 85
p0 595.7 ± 4431
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 118
Std Dev 91.46
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

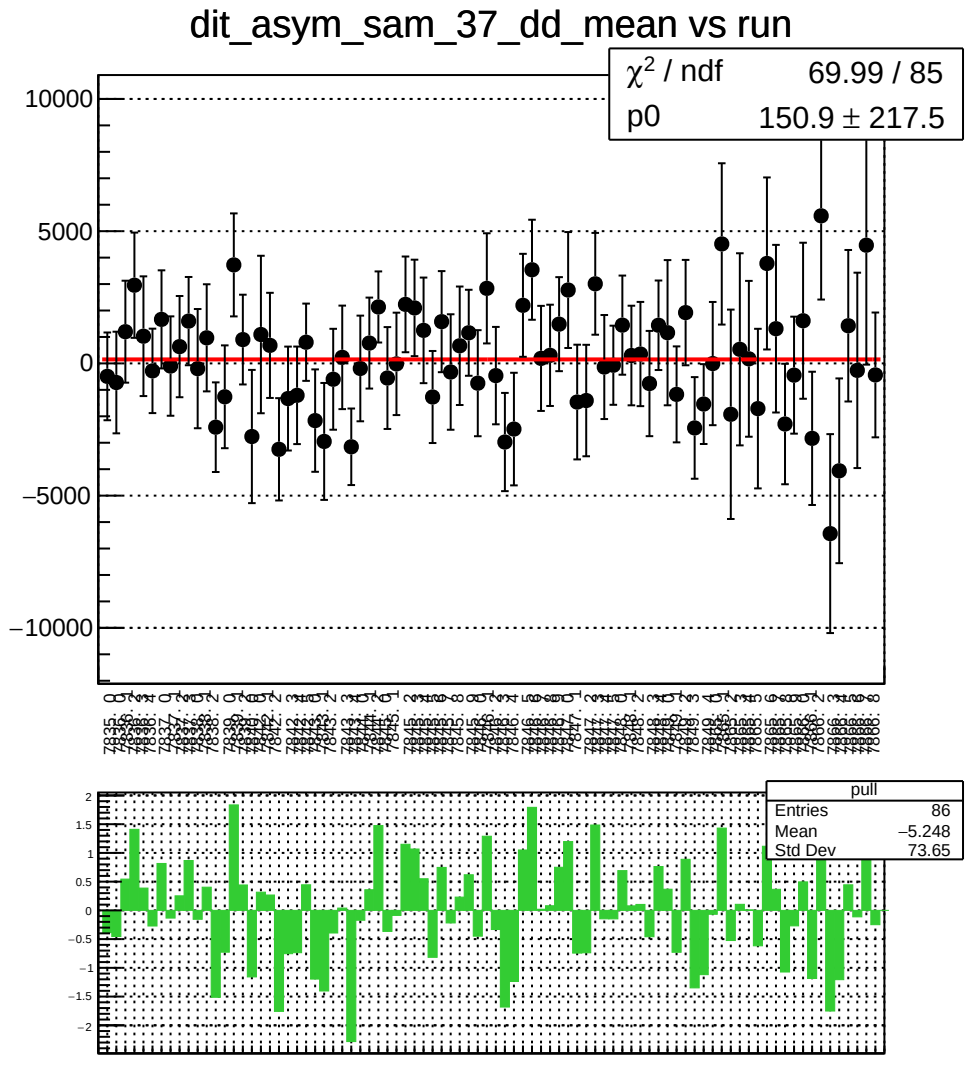

pull1D
Entries 86
Mean −0.01456
Std Dev 0.9972
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

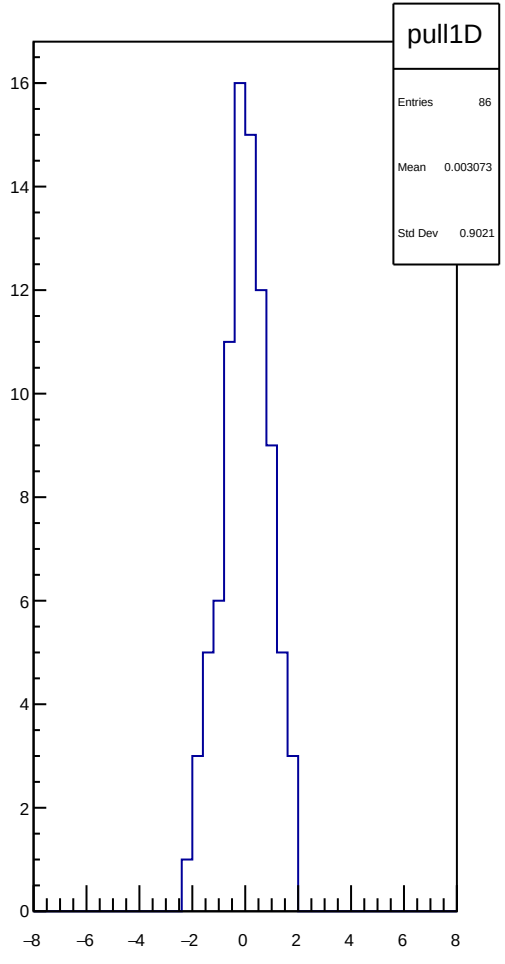

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1.889e+04 / 85
p0 4038 ± 3.133
6000
5500
5000
4500
4000
3500

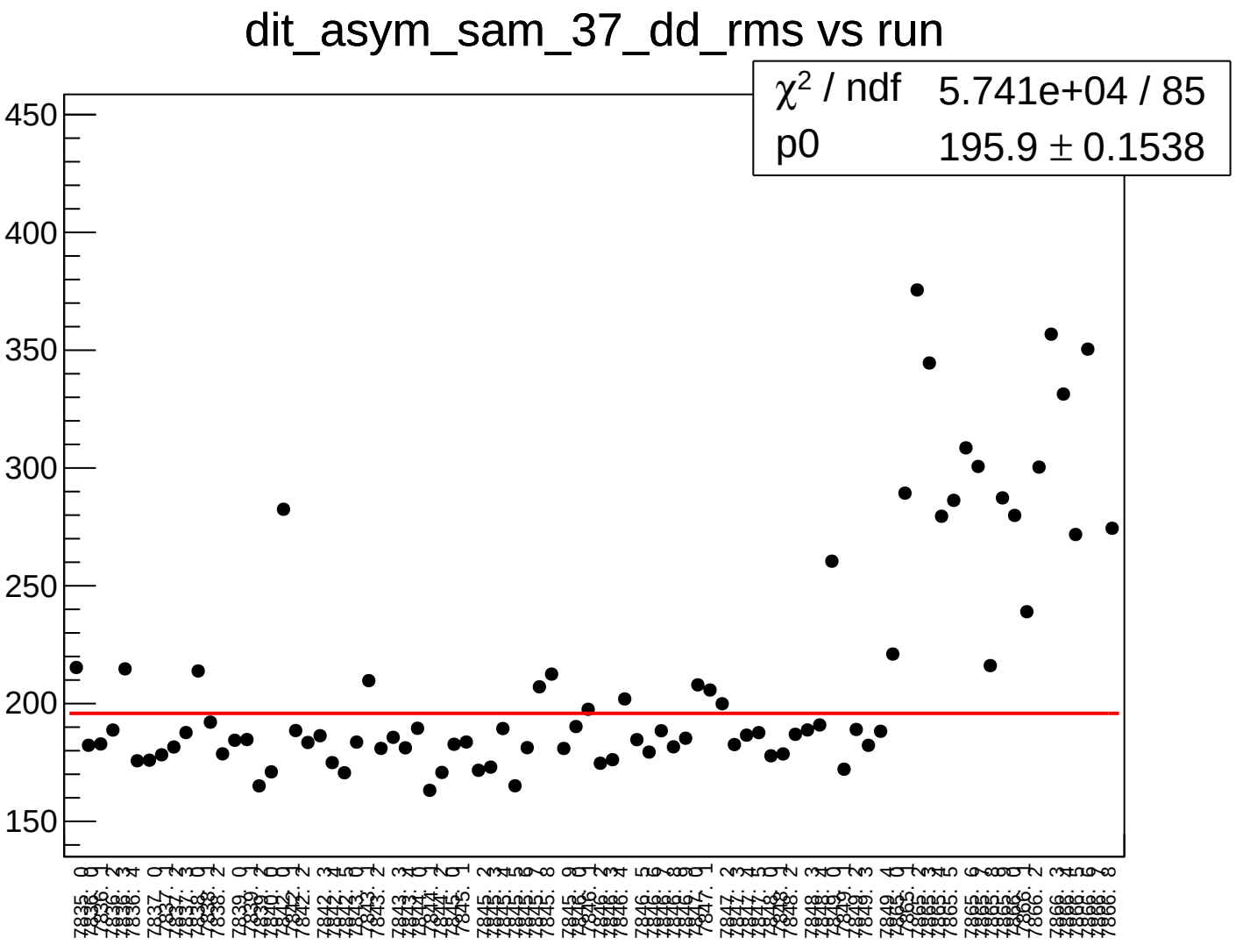

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 86.04 / 85
p0 −745.3 ± 4407
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 132.7
Std Dev 104.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

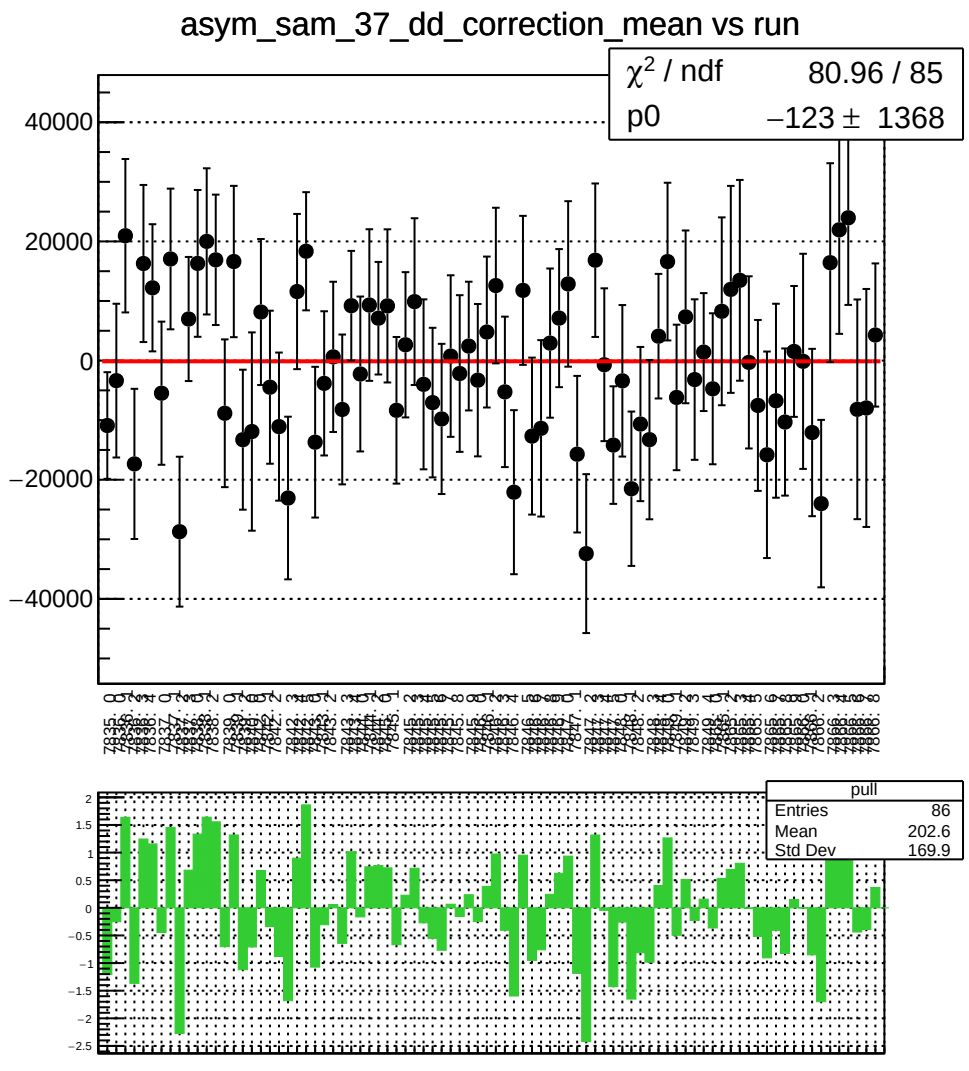

pull1D
Entries 86
Mean 0.01462
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

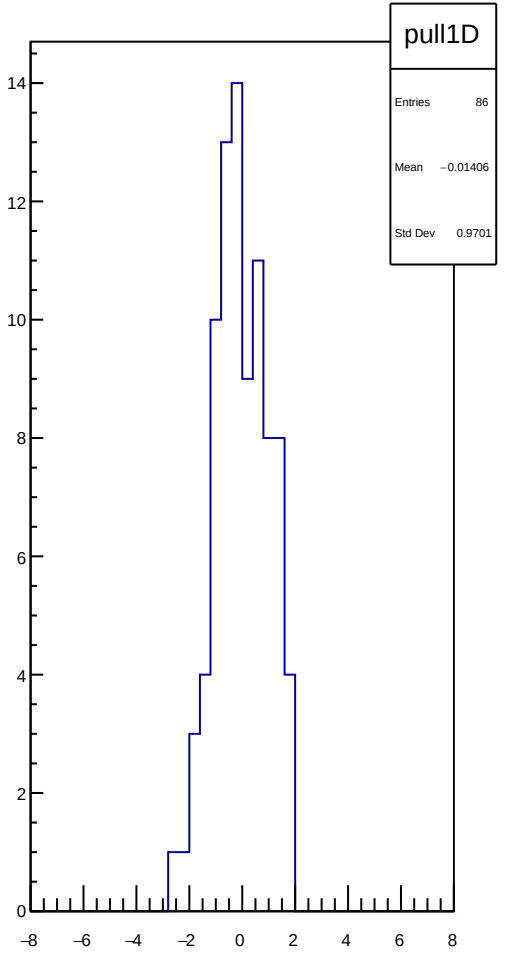

asym_sam_26_dd_rms vs run
χ² / ndf 1.856e+04 / 85
p0 4017 ± 3.117
6000
5500
5000
4500
4000
3500

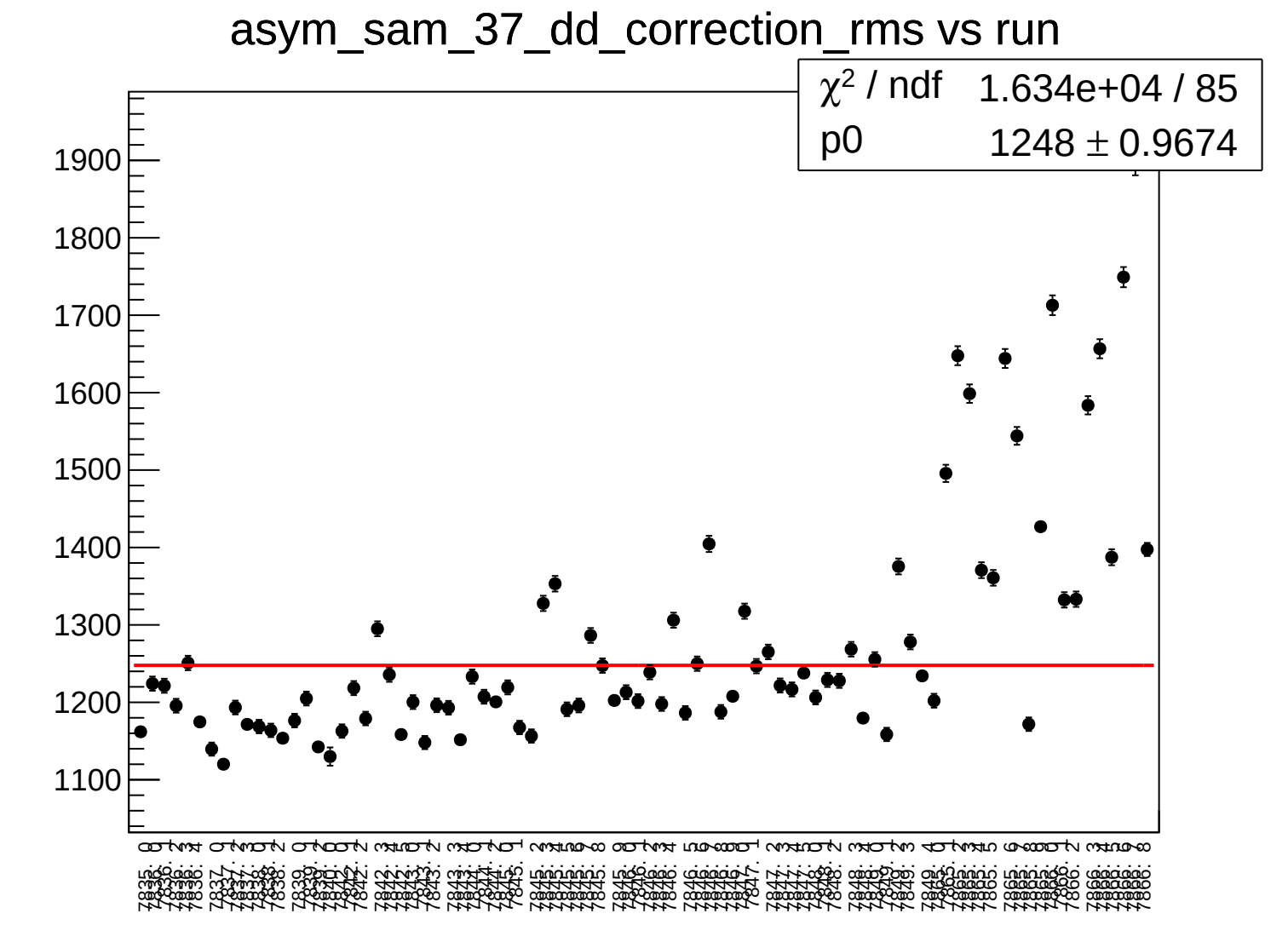

dit_asym_sam_37_dd_mean vs run
χ² / ndf 69.99 / 85
p0 150.9 ± 217.5
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −5.248
Std Dev 73.65
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

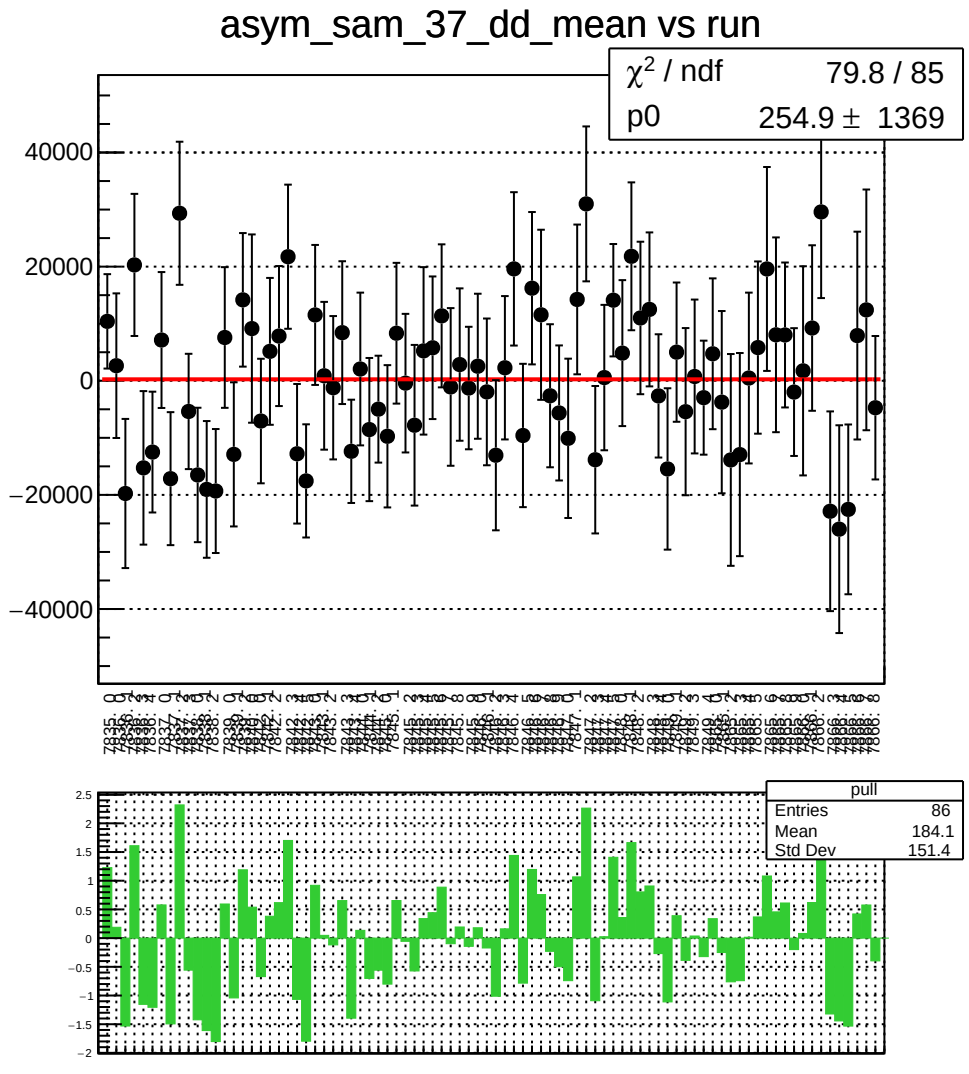

pull1D
Entries 86
Mean 0.003073
Std Dev 0.9021
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

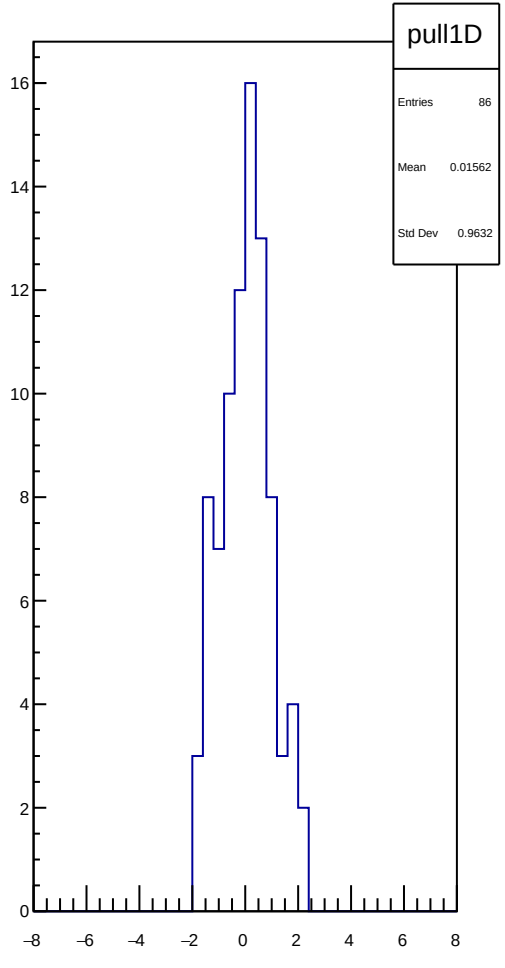

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 5.741e+04 / 85
p0 195.9 ± 0.1538
450
400
350
300
250
200
150

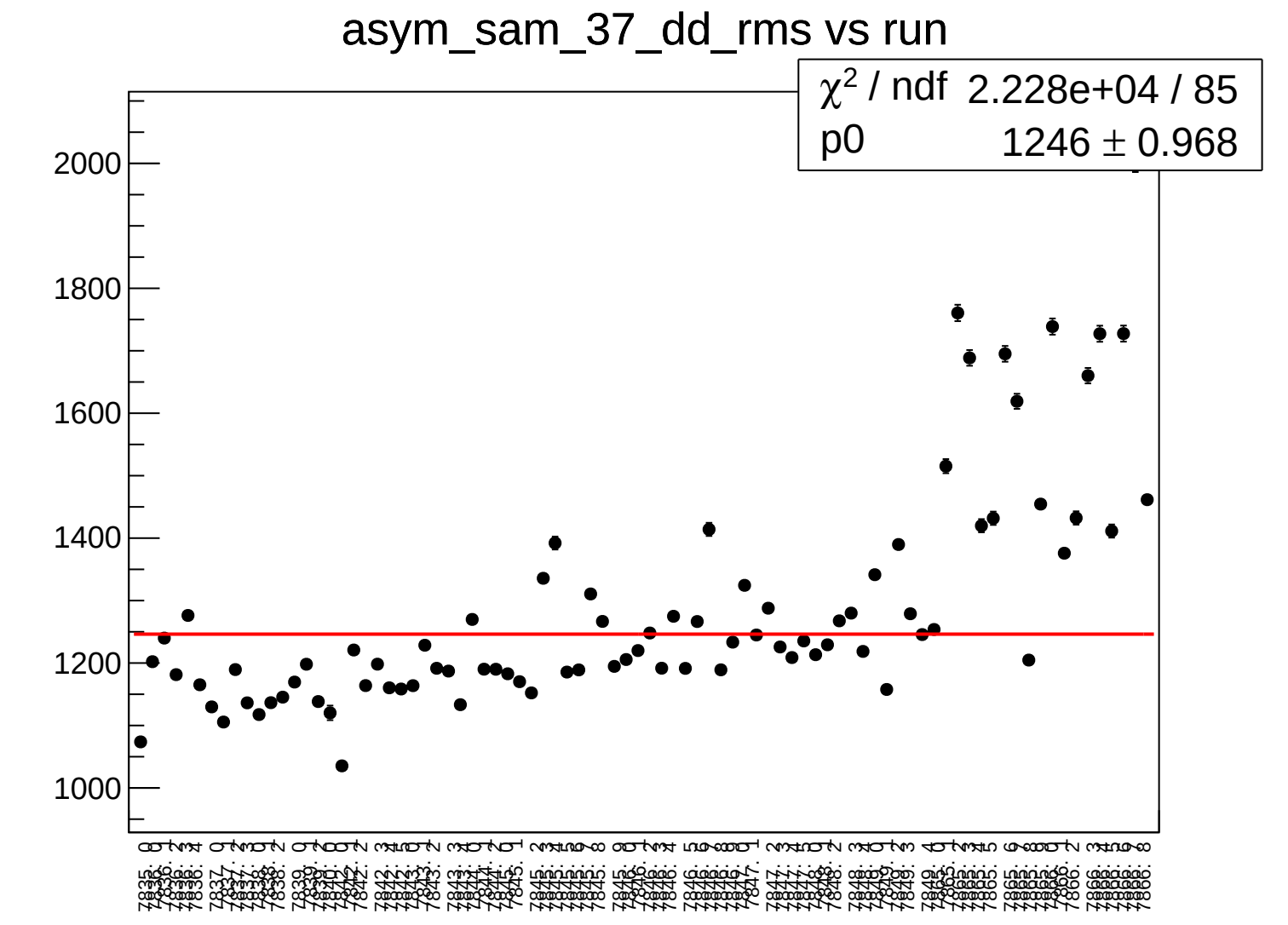

asym_sam_37_dd_correction_mean vs run
χ² / ndf 80.96 / 85
p0 −123 ± 1368
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 202.6
Std Dev 169.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

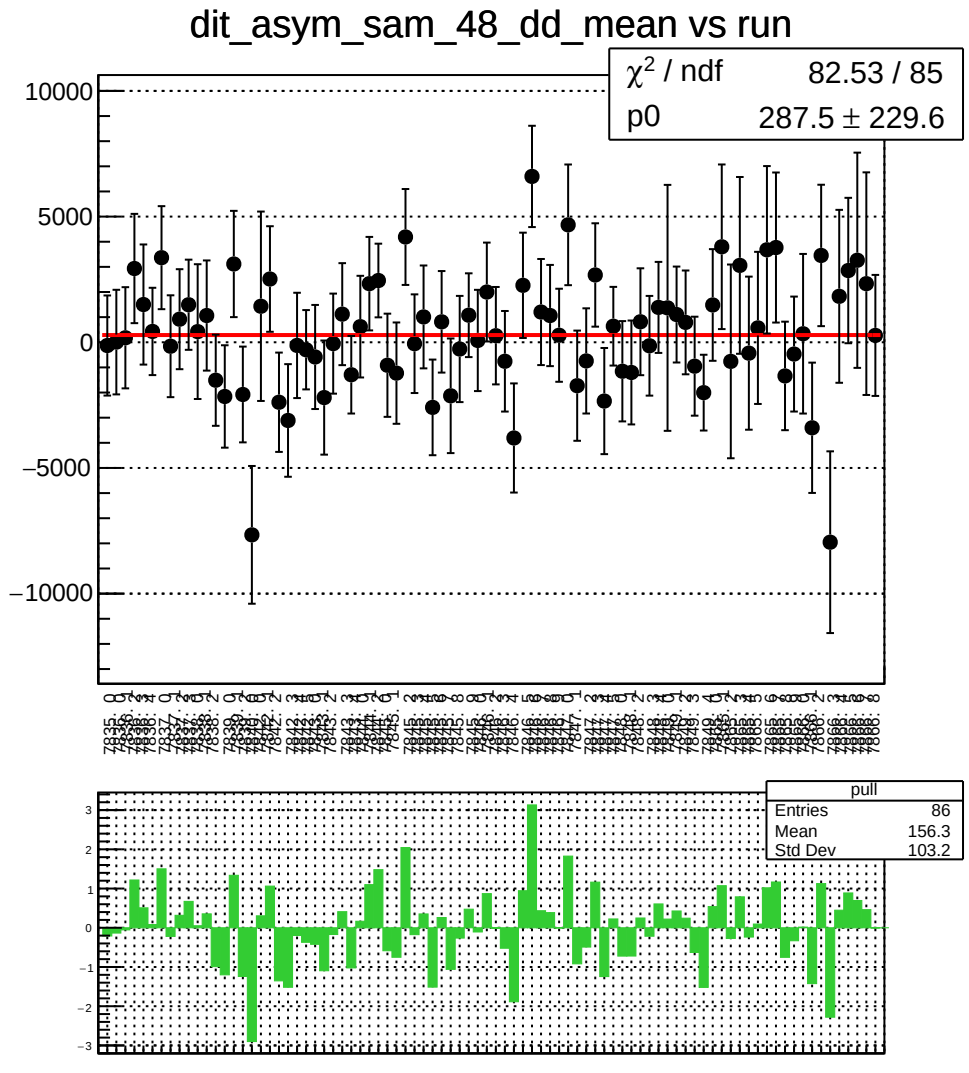

pull1D
Entries 86
Mean −0.01406
Std Dev 0.9701
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

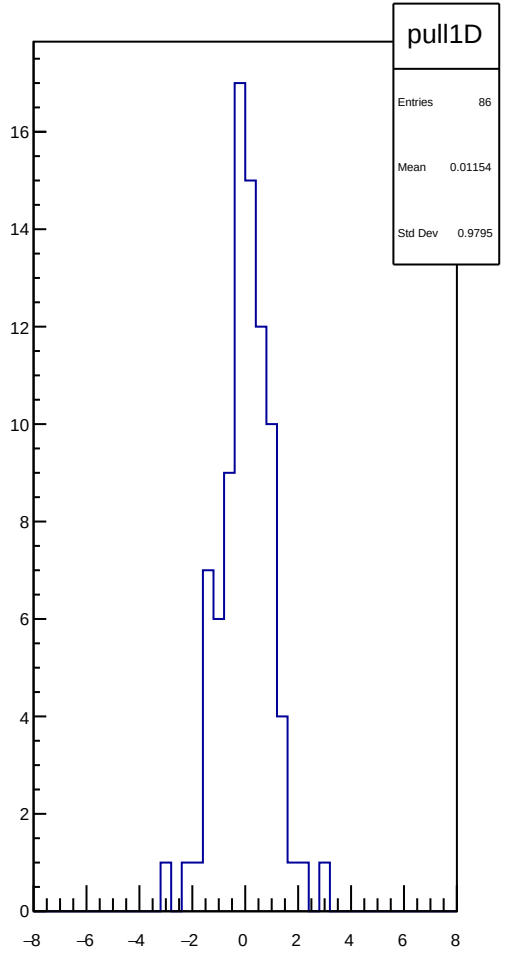

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1.634e+04 / 85
p0 1248 ± 0.9674
1900
1800
1700
1600
1500
1400
1300
1200
1100

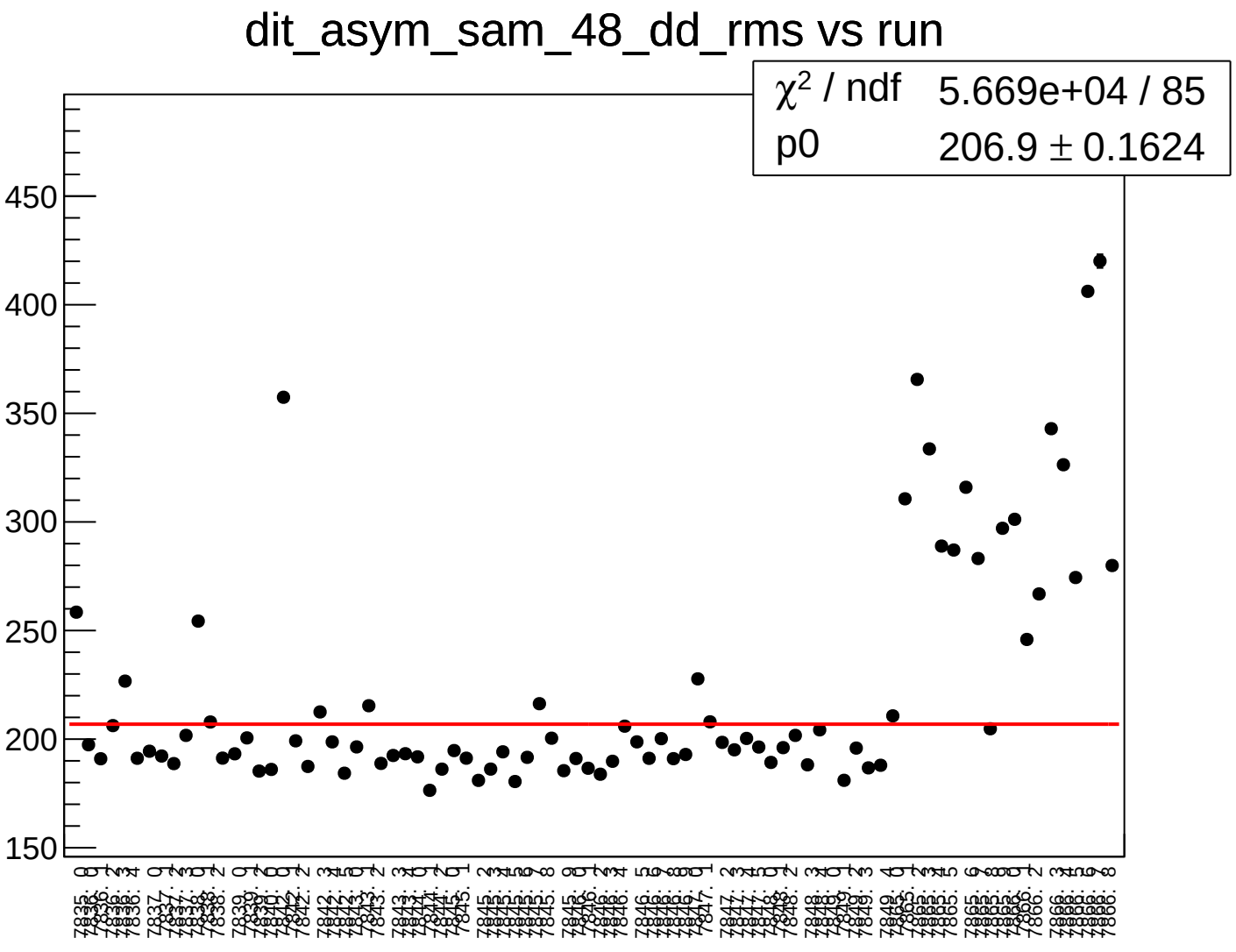

asym_sam_37_dd_mean vs run
χ² / ndf 79.8 / 85
p0 254.9 ± 1369
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 184.1
Std Dev 151.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

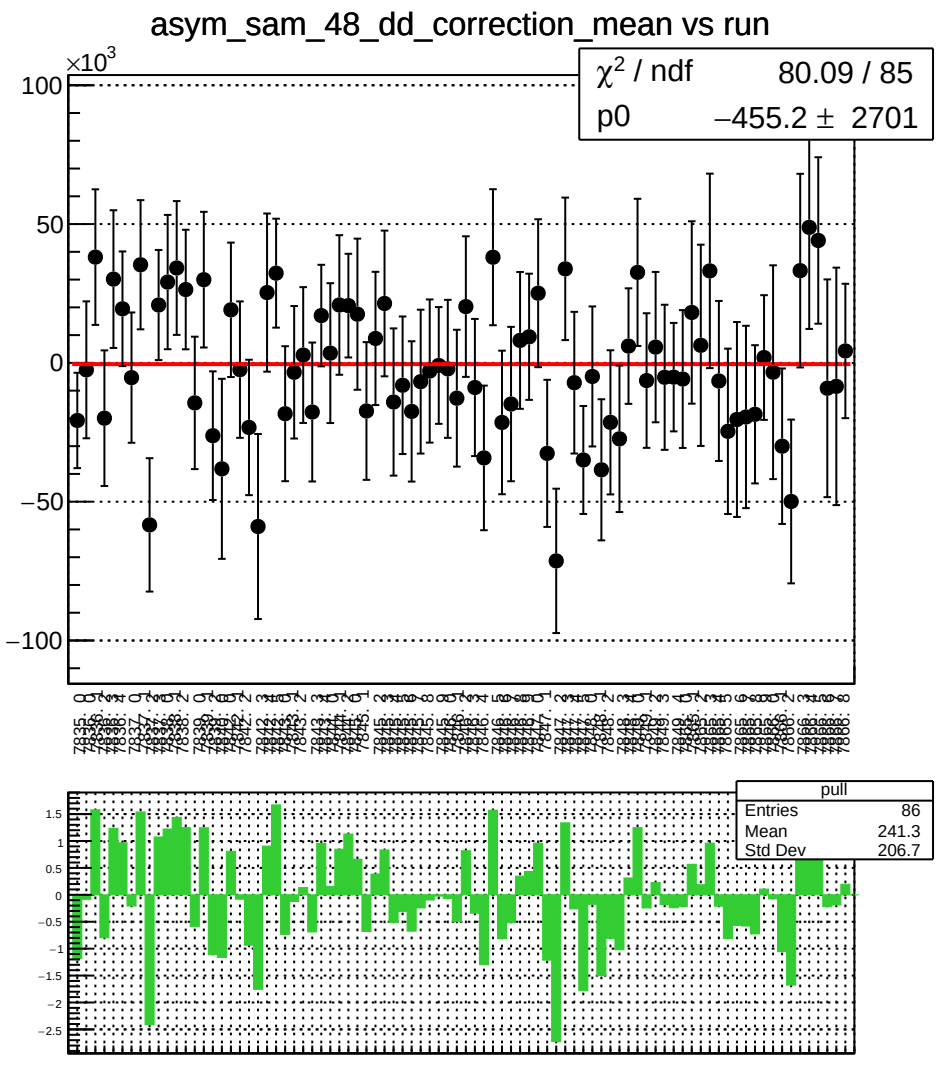

pull1D
Entries 86
Mean 0.01562
Std Dev 0.9632
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

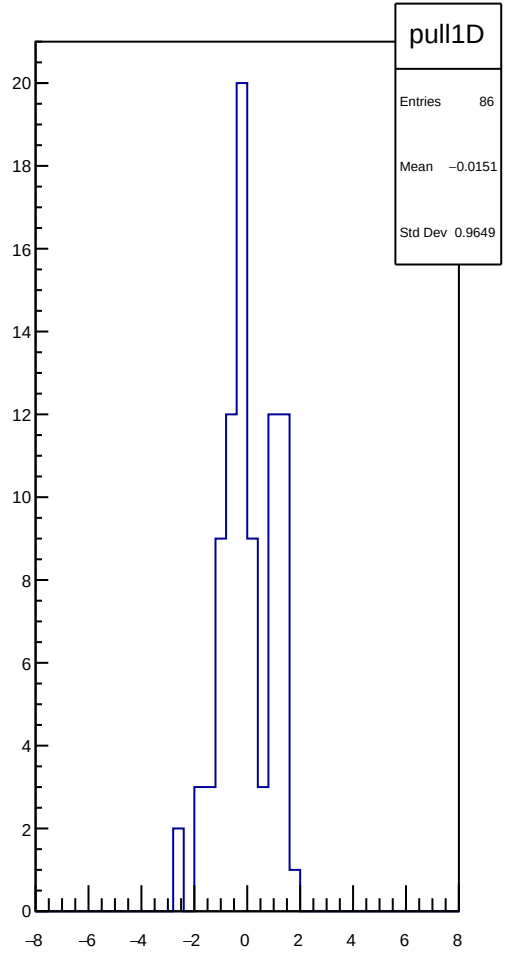

asym_sam_37_dd_rms vs run
χ² / ndf 2.228e+04 / 85
p0 1246 ± 0.968
2000
1800
1600
1400
1200
1000

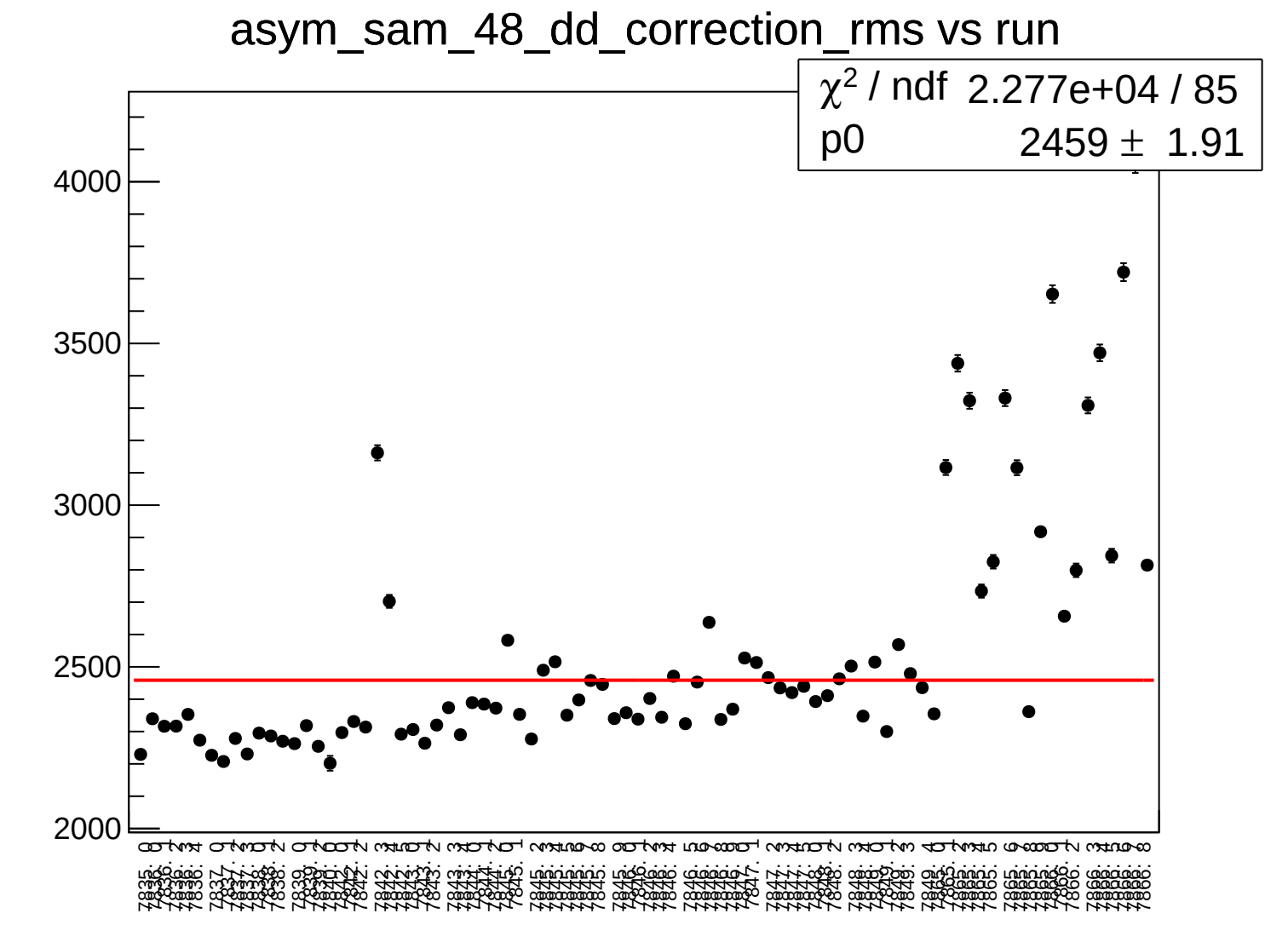

dit_asym_sam_48_dd_mean vs run
χ^2 / ndf 82.53 / 85
p0 287.5 ± 229.6
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 156.3
Std Dev 103.2
3
2
1
0
−1
−2
−3

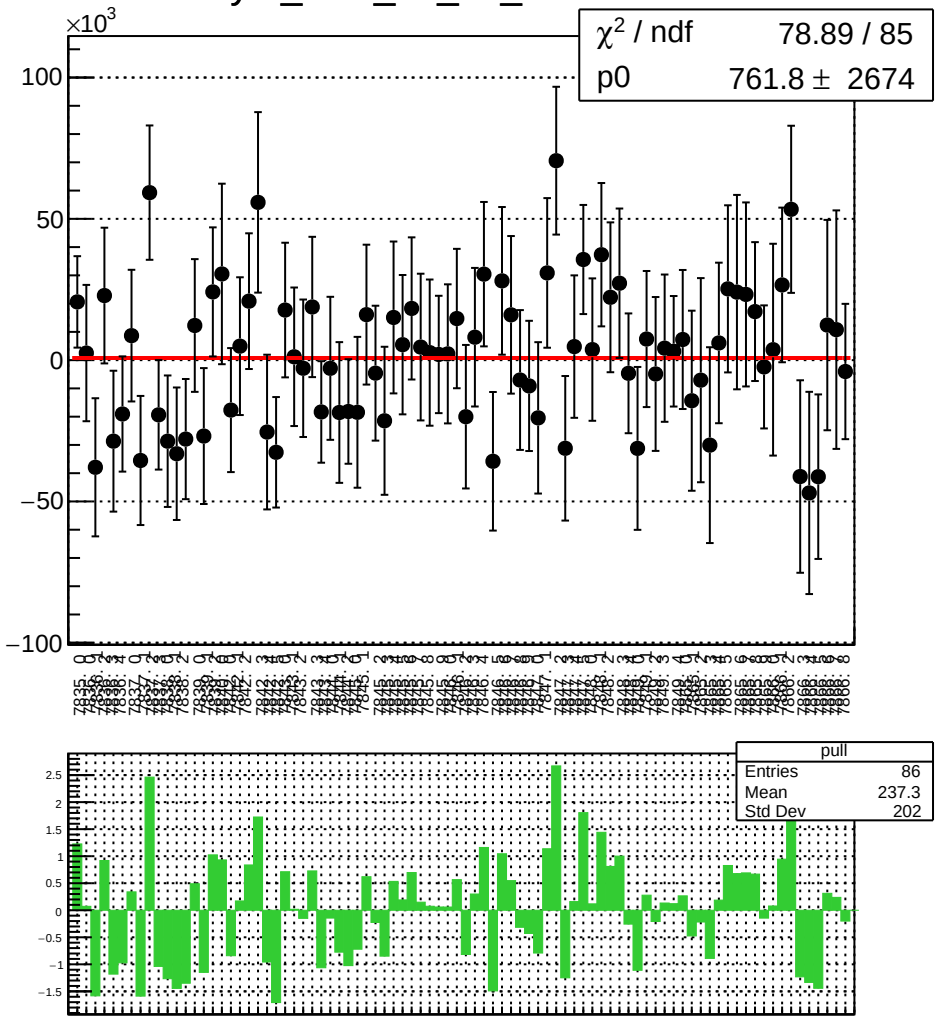

pull1D
Entries 86
Mean 0.01154
Std Dev 0.9795
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

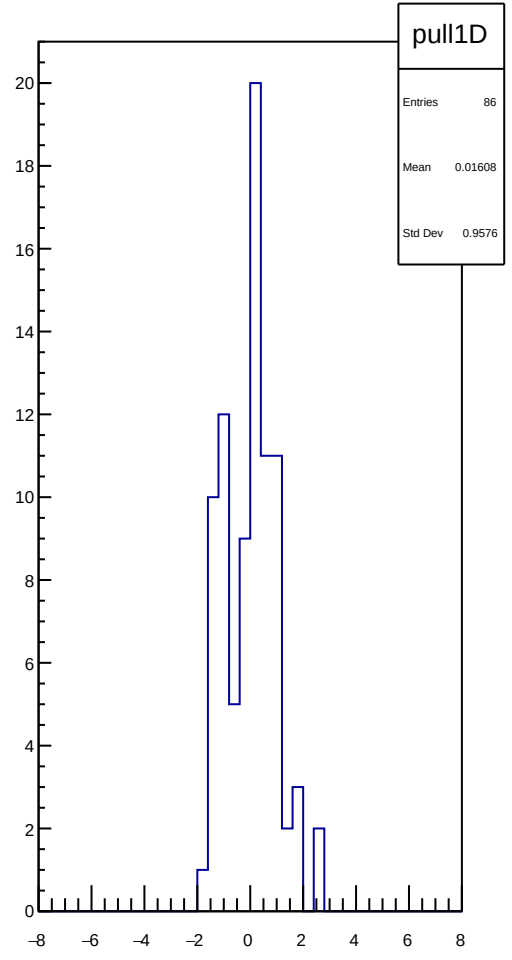

dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 5.669e+04 / 85
p0 206.9 ± 0.1624
450
400
350
300
250
200
150

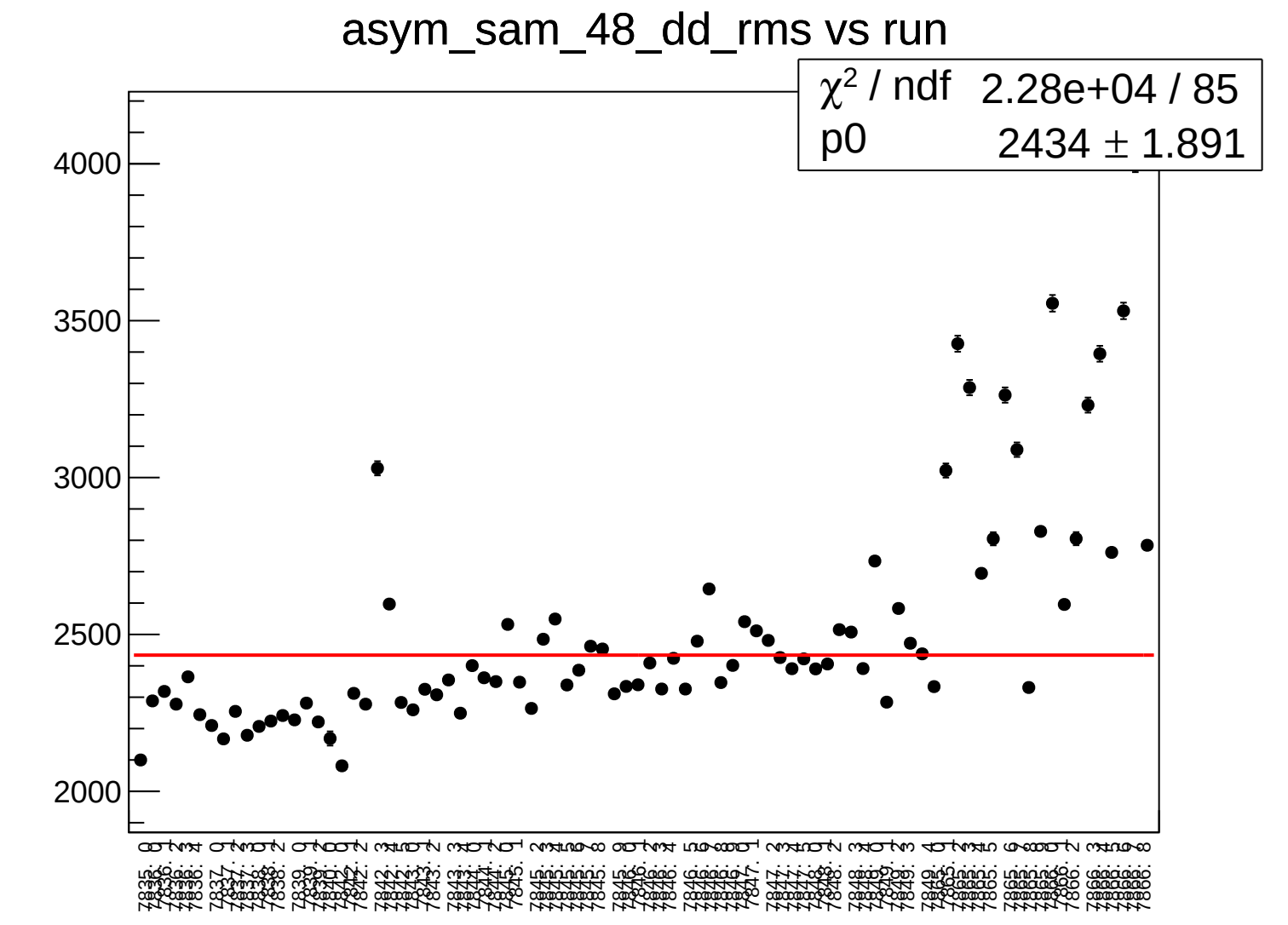

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 80.09 / 85
p0 −455.2 ± 2701
100
50
0
−50
−100
pull
Entries 86
Mean 241.3
Std Dev 206.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

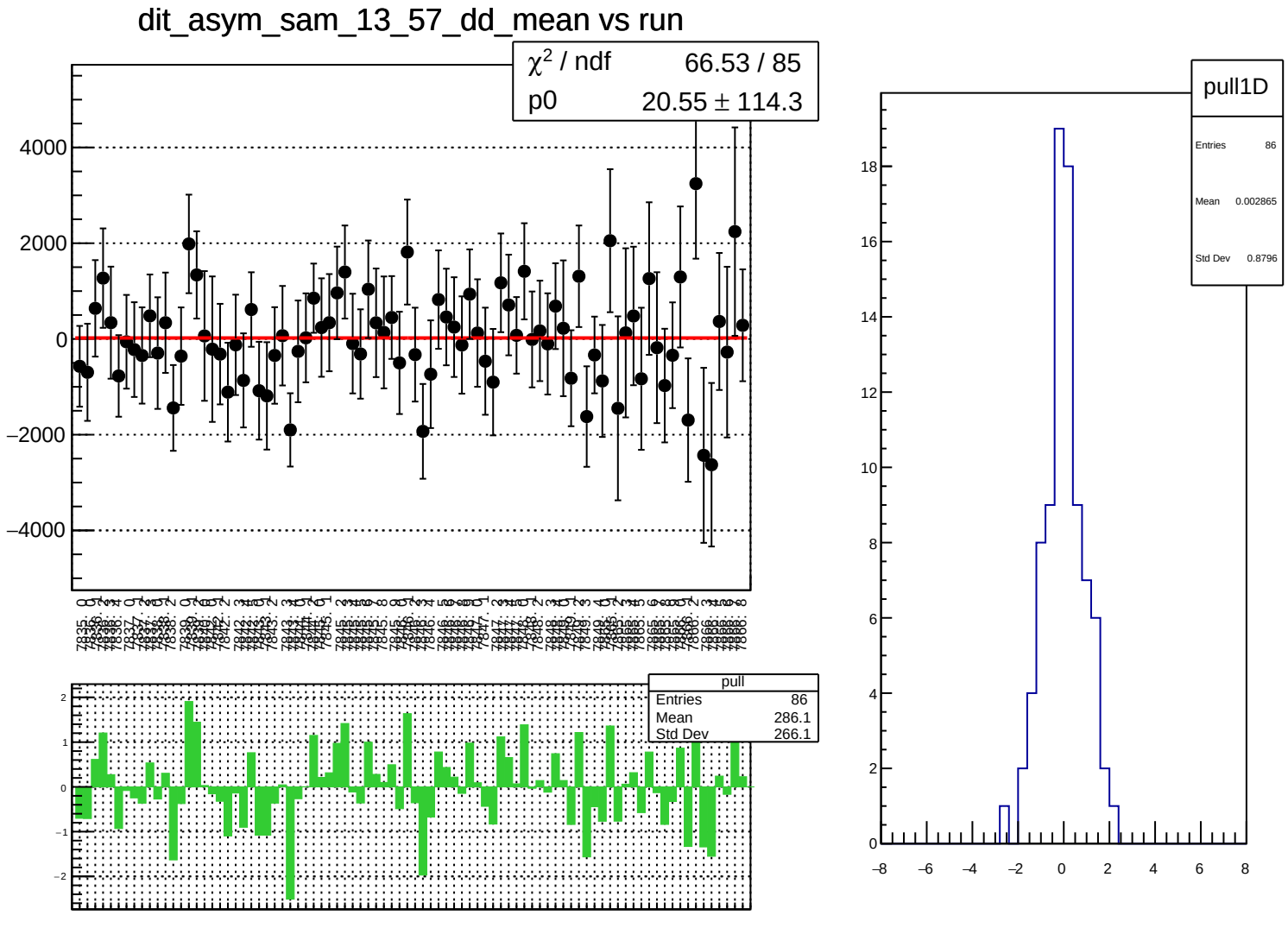

pull1D
Entries 86
Mean −0.0151
Std Dev 0.9649
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

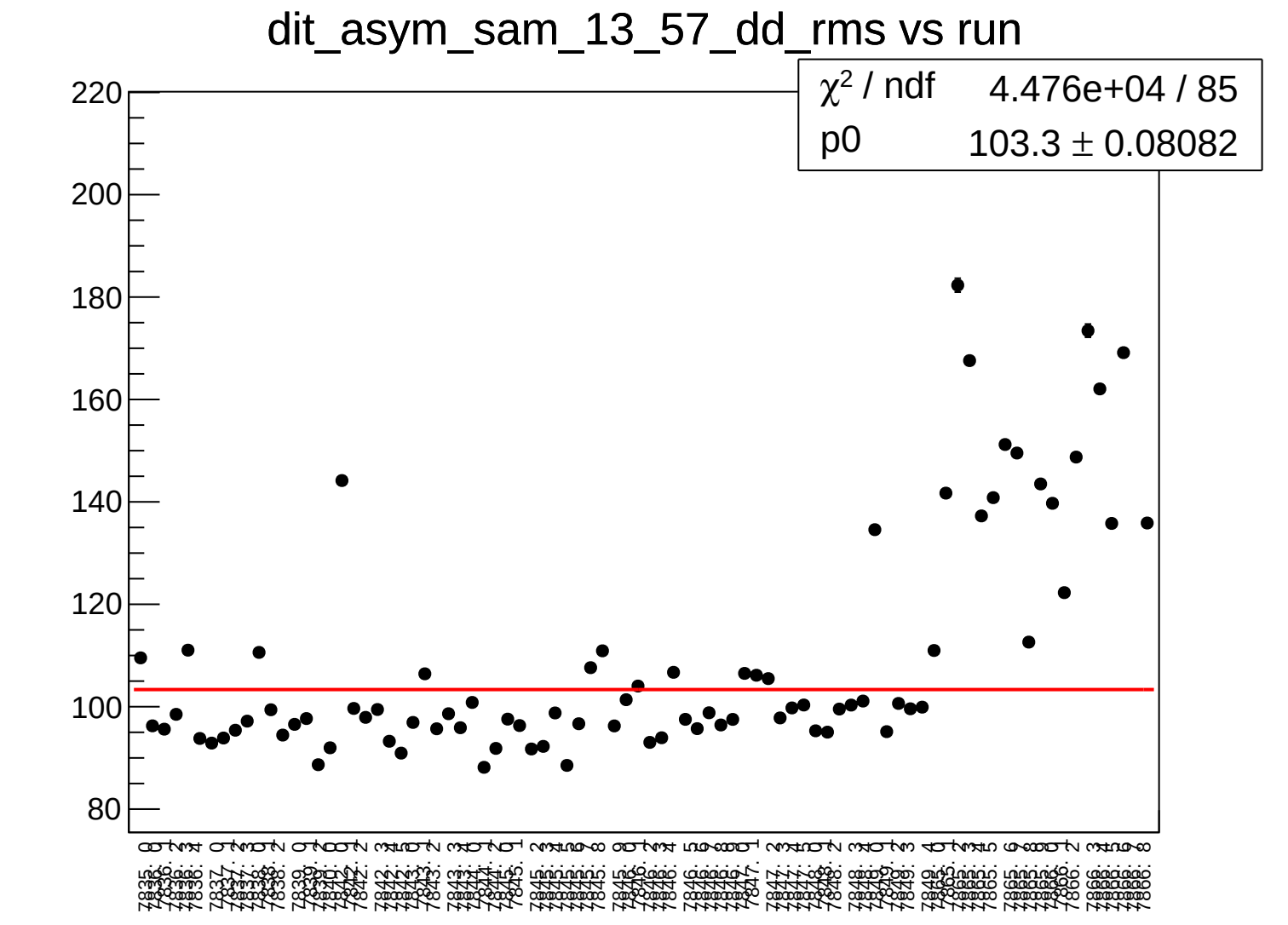

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2.277e+04 / 85
p0 2459 ± 1.91
4000
3500
3000
2500
2000

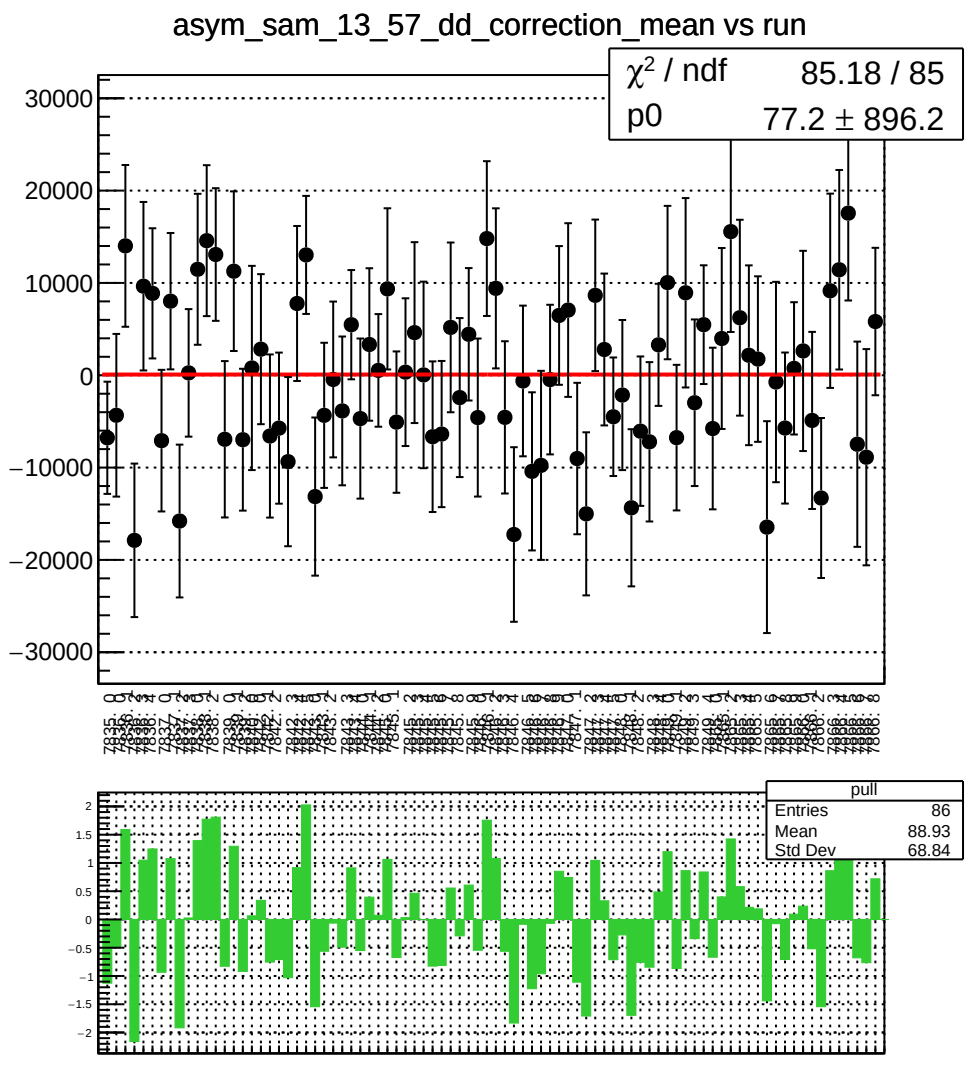

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 78.89 / 85
p0 761.8 ± 2674
pull
Entries 86
Mean 237.3
Std Dev 202

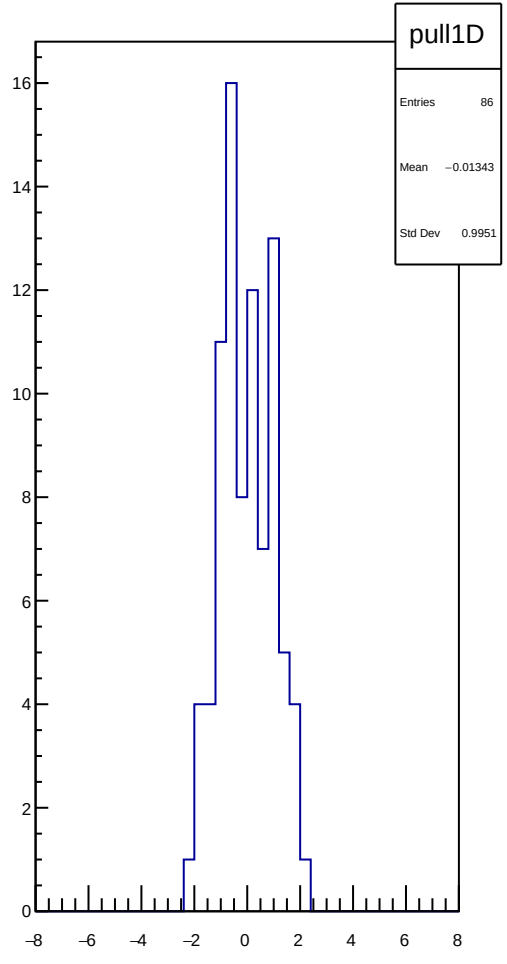

pull1D
Entries 86
Mean 0.01608
Std Dev 0.9576

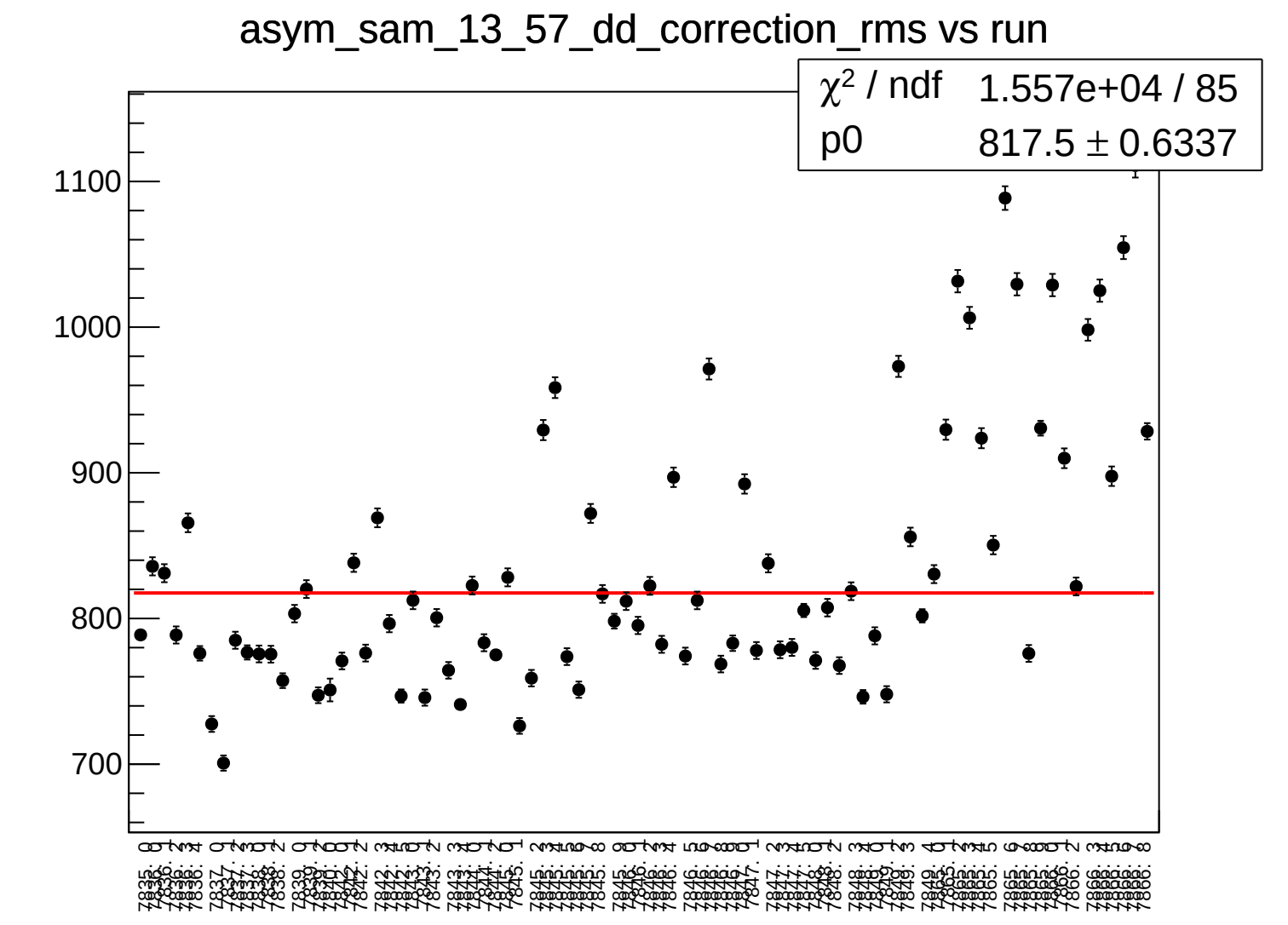

asym_sam_48_dd_rms vs run
χ² / ndf 2.28e+04 / 85
p0 2434 ± 1.891
4000
3500
3000
2500
2000

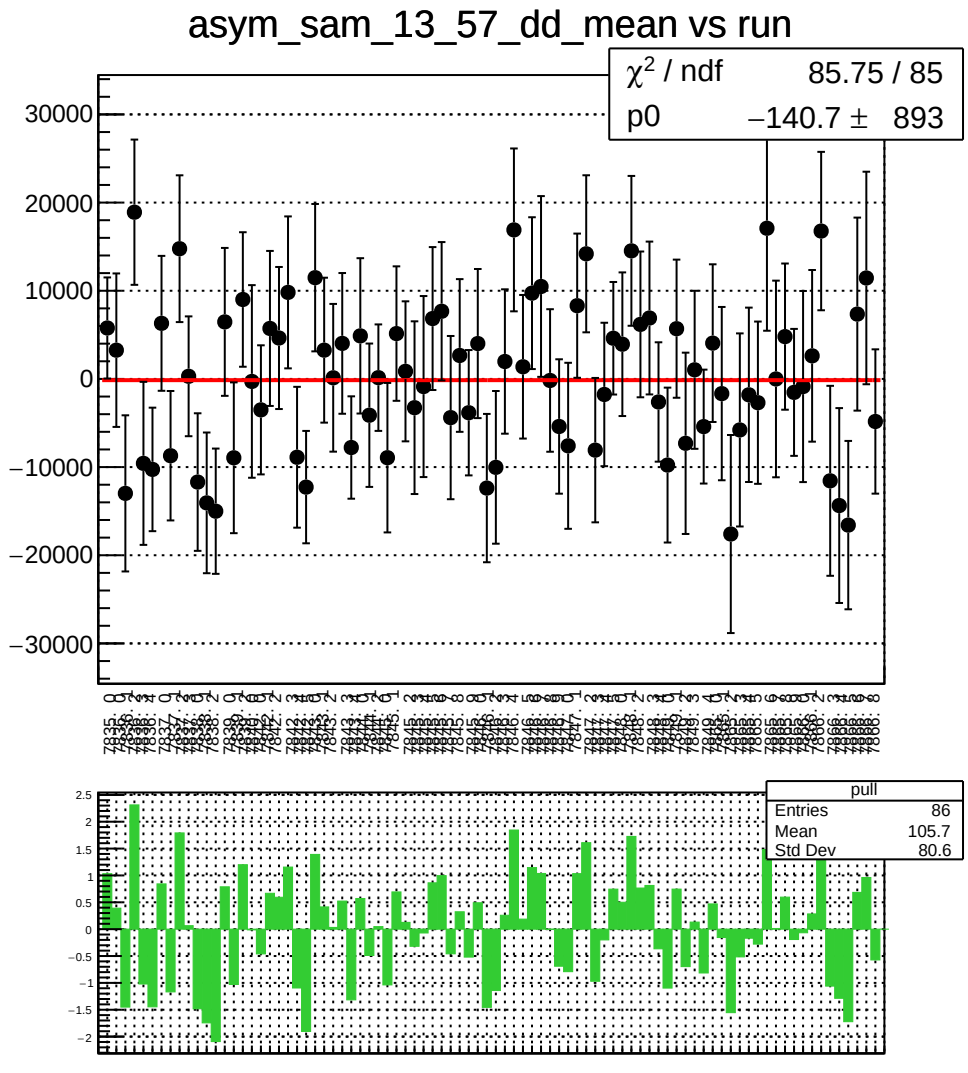

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 66.53 / 85
p0 20.55 ± 114.3
4000
2000
0
−2000
−4000
pull
Entries 86
Mean 286.1
Std Dev 266.1
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.002865
Std Dev 0.8796
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

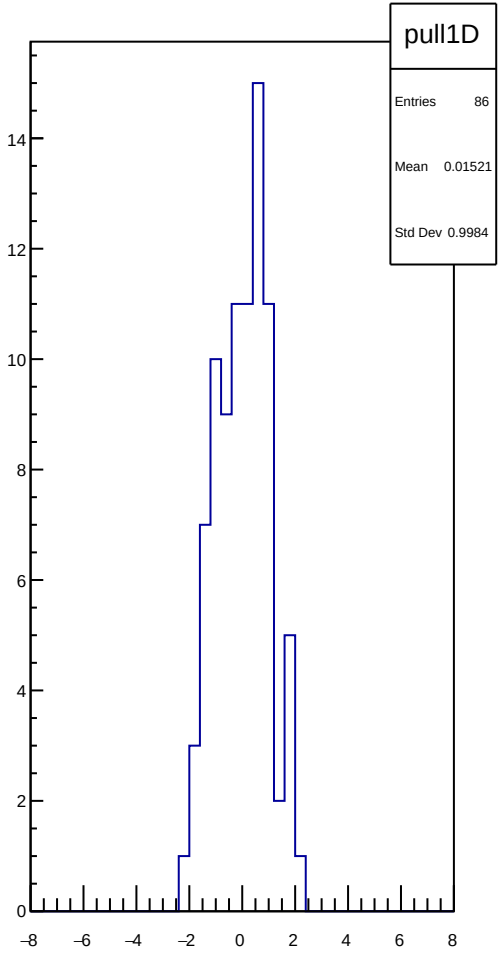

dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 4.476e+04 / 85
p0 103.3 ± 0.08082
220
200
180
160
140
120
100
80

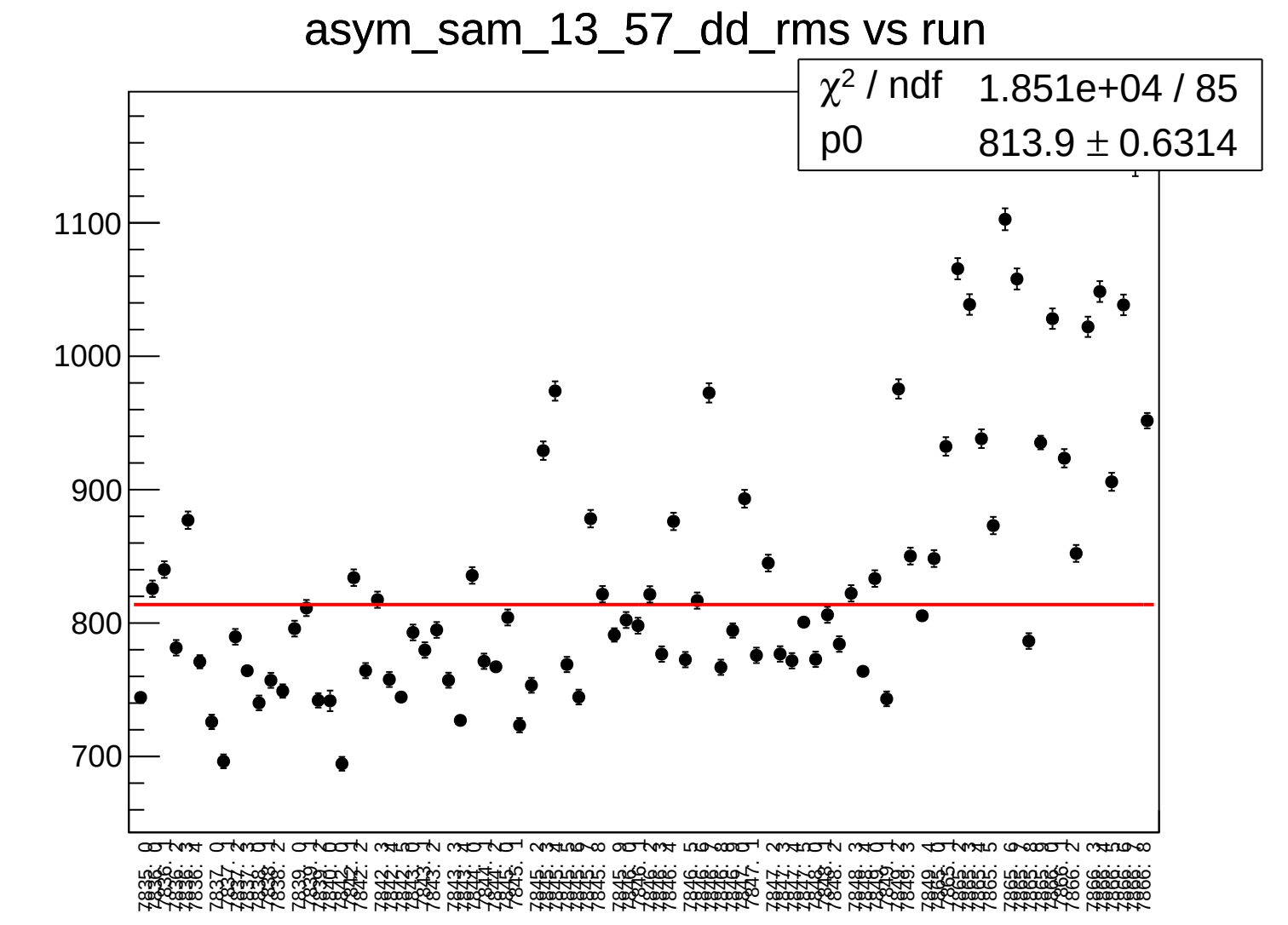

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 85.18 / 85
p0 77.2 ± 896.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 88.93
Std Dev 68.84
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

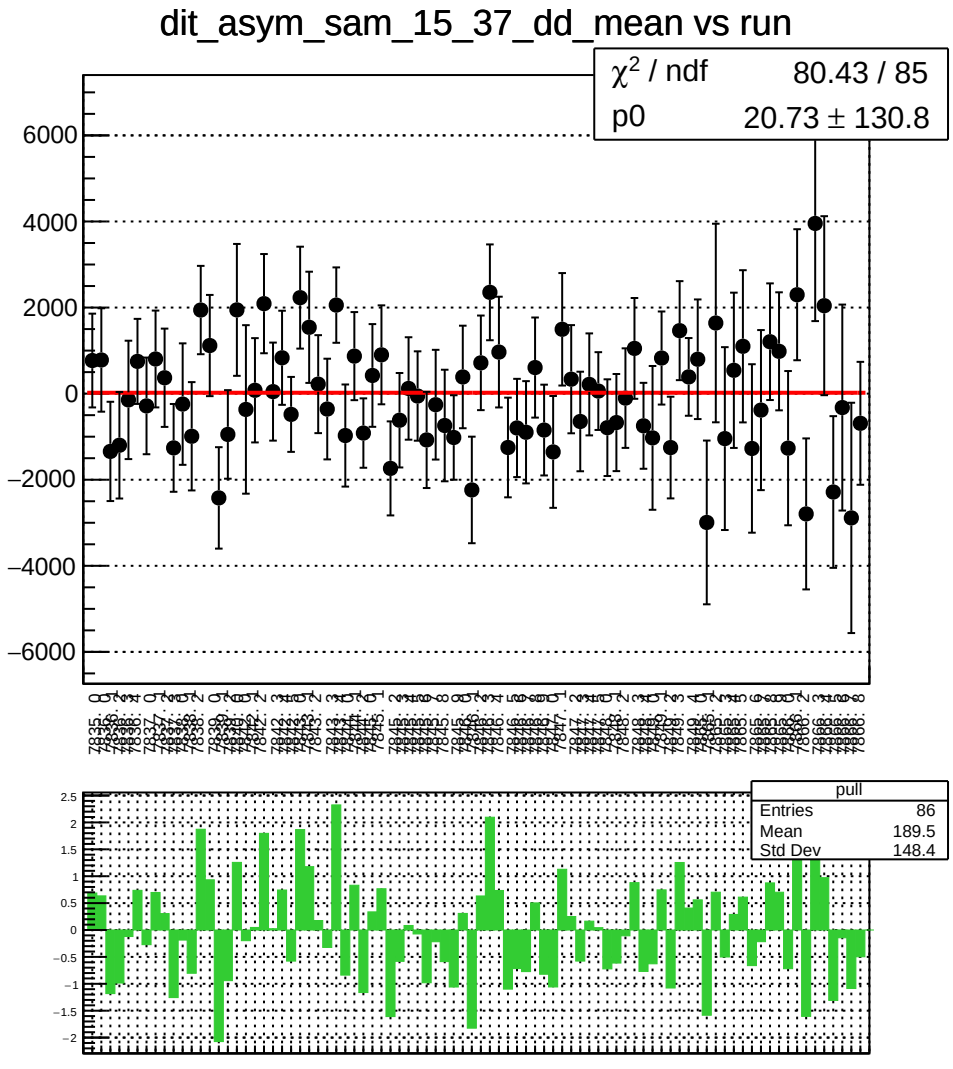

pull1D
Entries 86
Mean −0.01343
Std Dev 0.9951
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

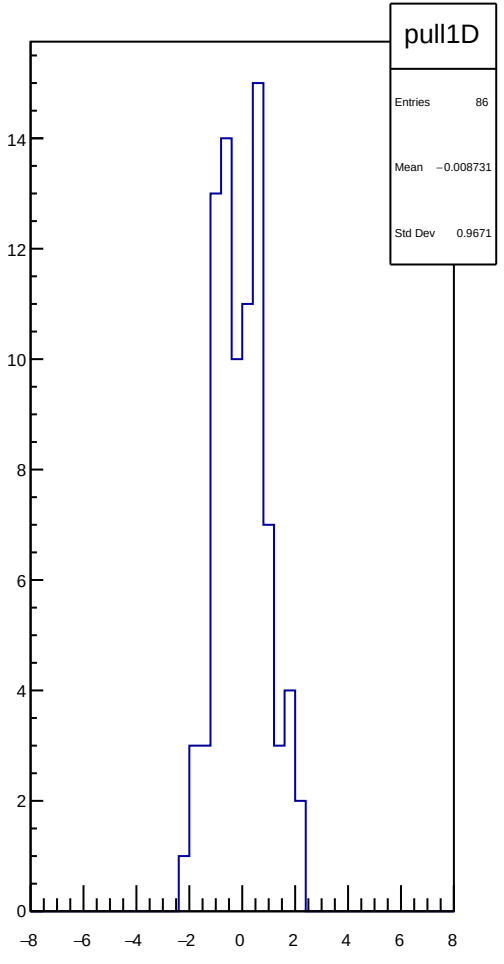

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1.557e+04 / 85
p0 817.5 ± 0.6337
1100
1000
900
800
700

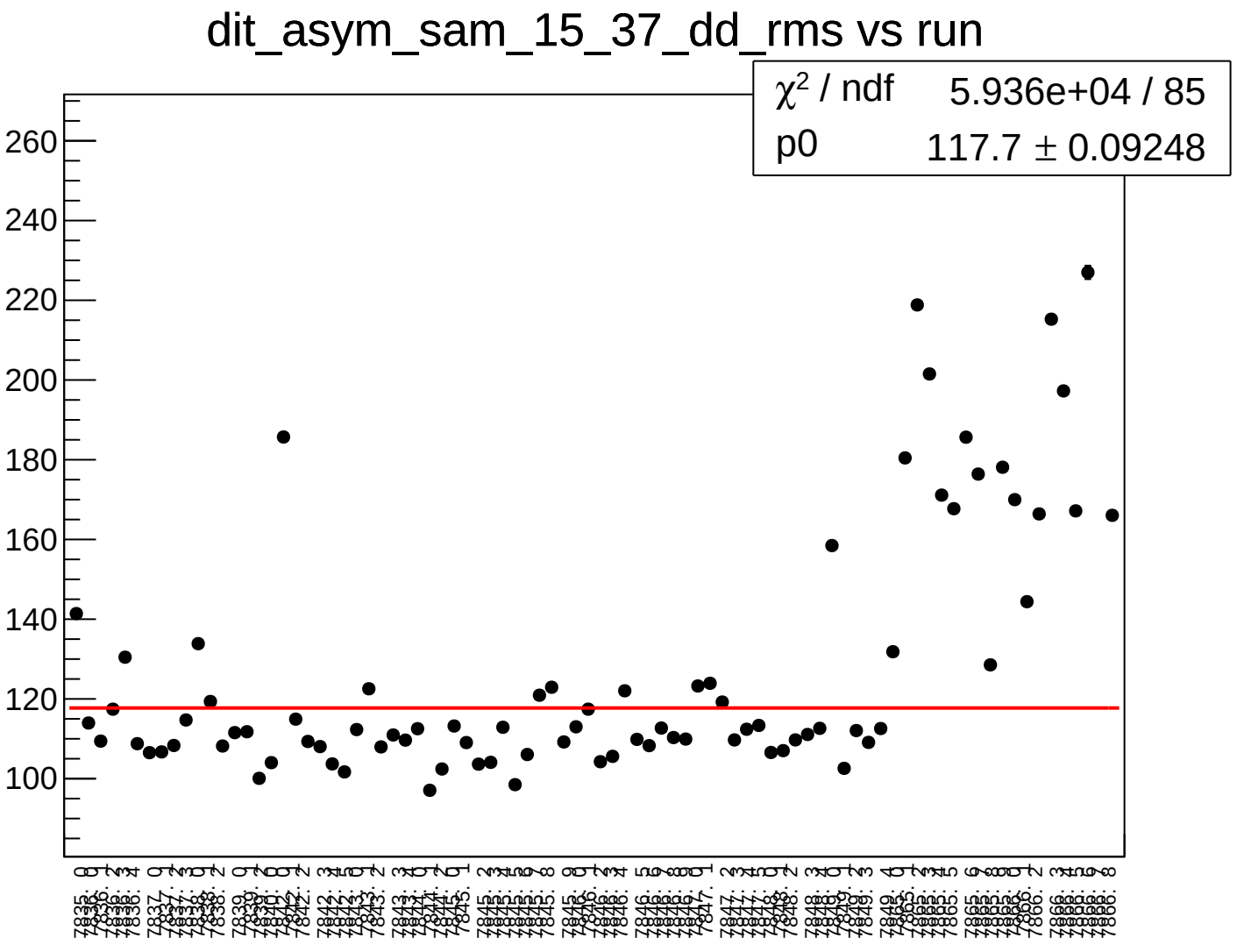

asym_sam_13_57_dd_mean vs run
χ² / ndf 85.75 / 85
p0 −140.7 ± 893
pull
Entries 86
Mean 105.7
Std Dev 80.6

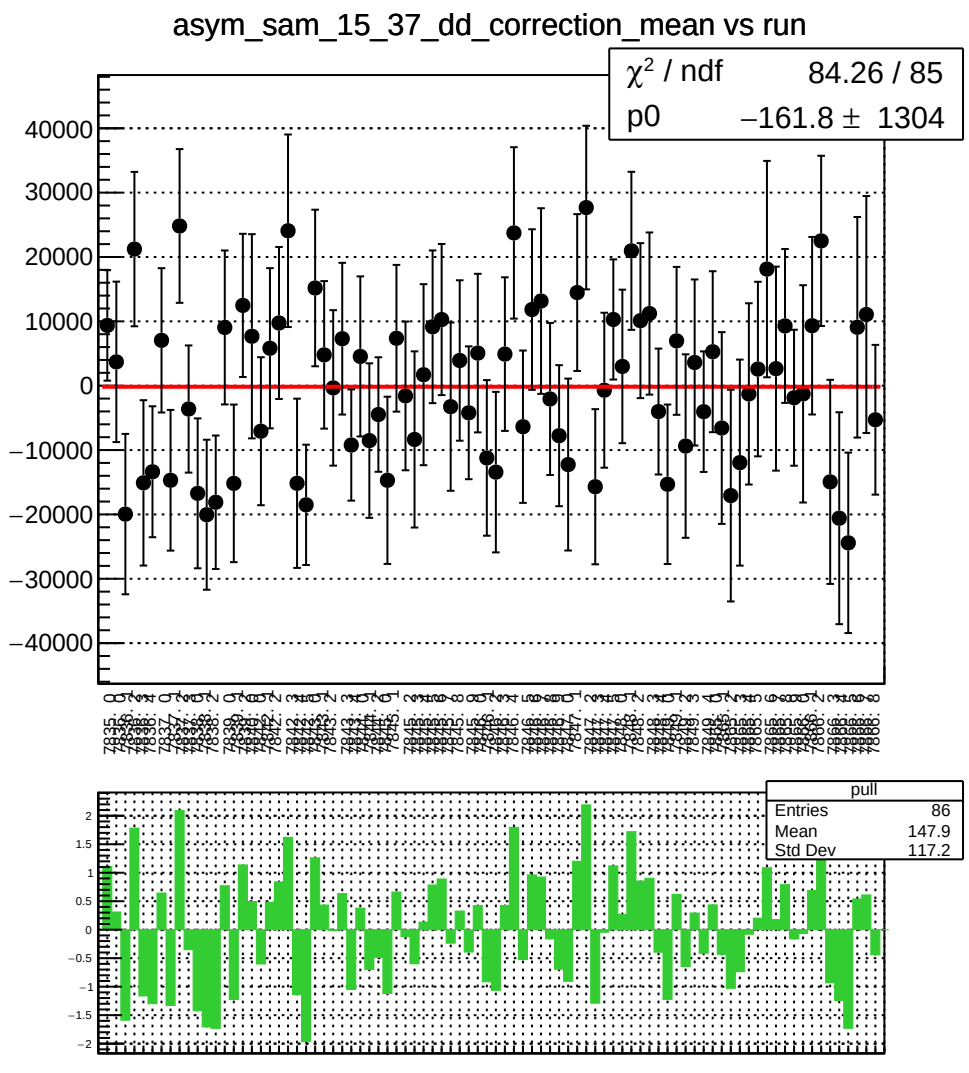

pull1D
Entries 86
Mean 0.01521
Std Dev 0.9984

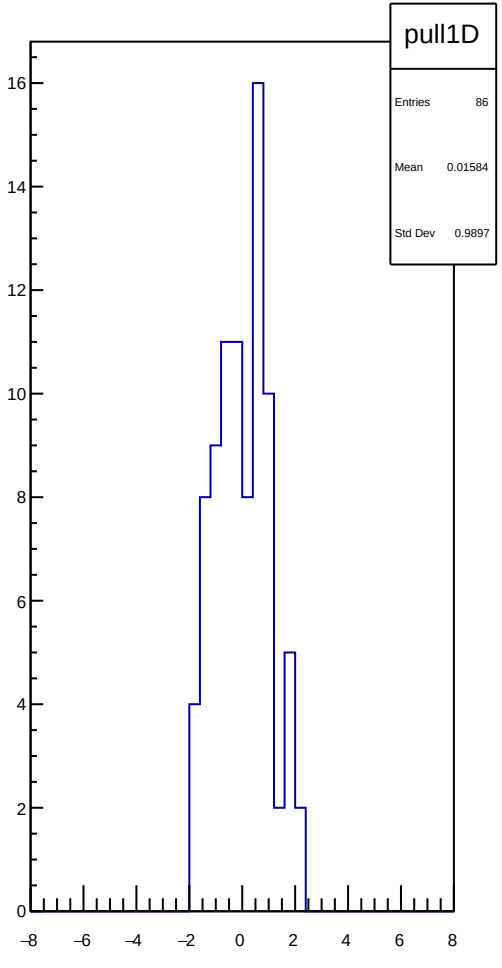

asym_sam_13_57_dd_rms vs run
χ² / ndf 1.851e+04 / 85
p0 813.9 ± 0.6314
1100
1000
900
800
700

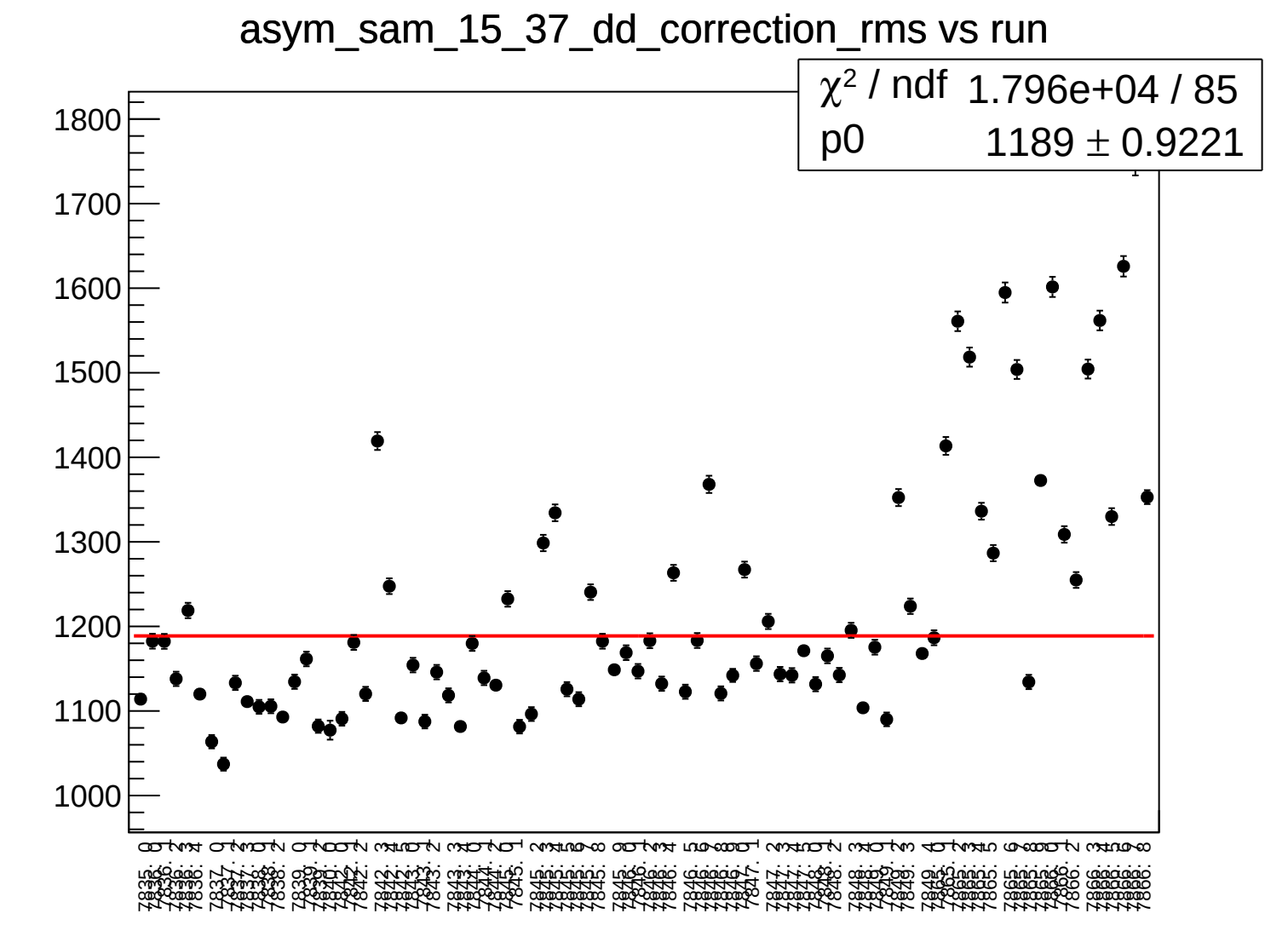

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 80.43 / 85
p0 20.73 ± 130.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 189.5
Std Dev 148.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

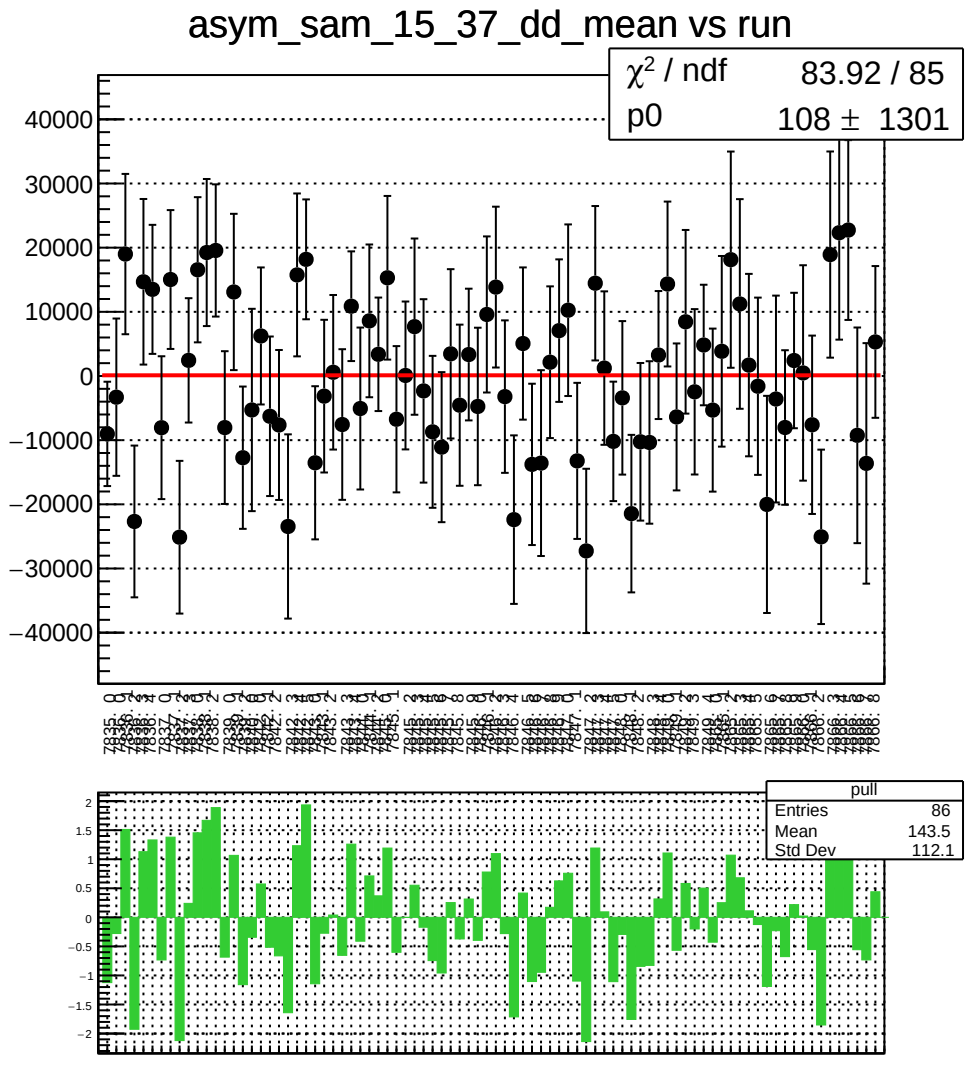

pull1D
Entries 86
Mean −0.008731
Std Dev 0.9671
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

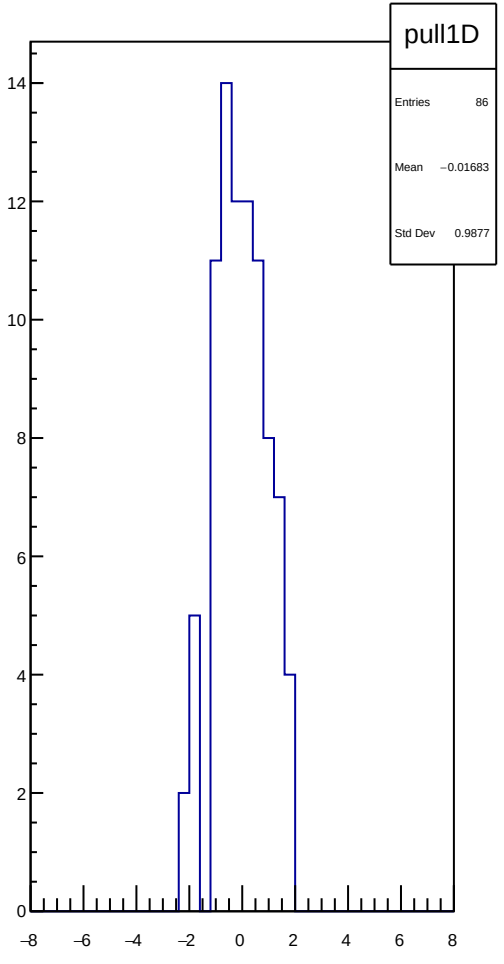

dit_asym_sam_15_37_dd_rms vs run
χ^2 / ndf 5.936e+04 / 85
p0 117.7 ± 0.09248
260
240
220
200
180
160
140
120
100

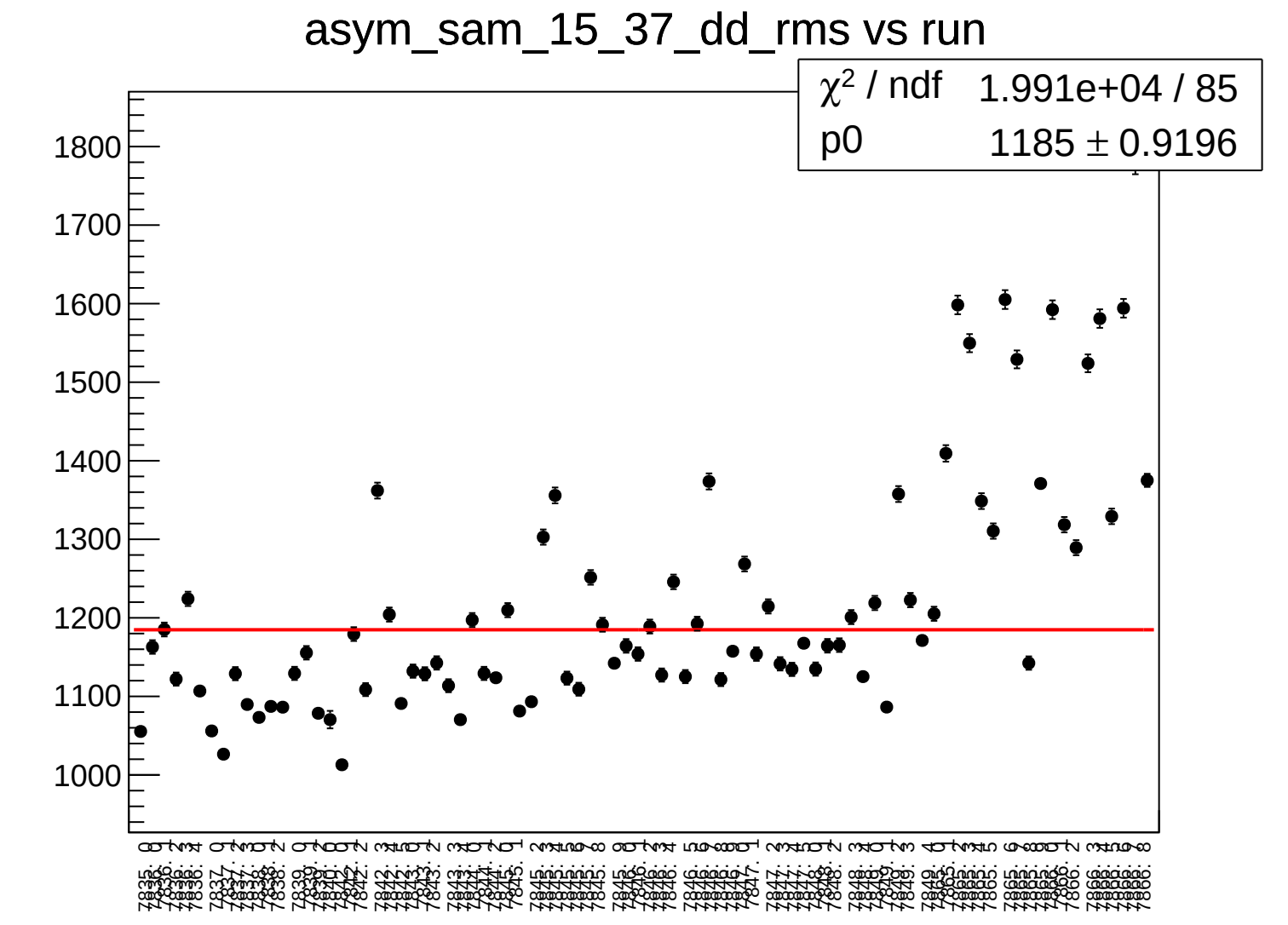

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 84.26 / 85
p0 −161.8 ± 1304
pull
Entries 86
Mean 147.9
Std Dev 117.2

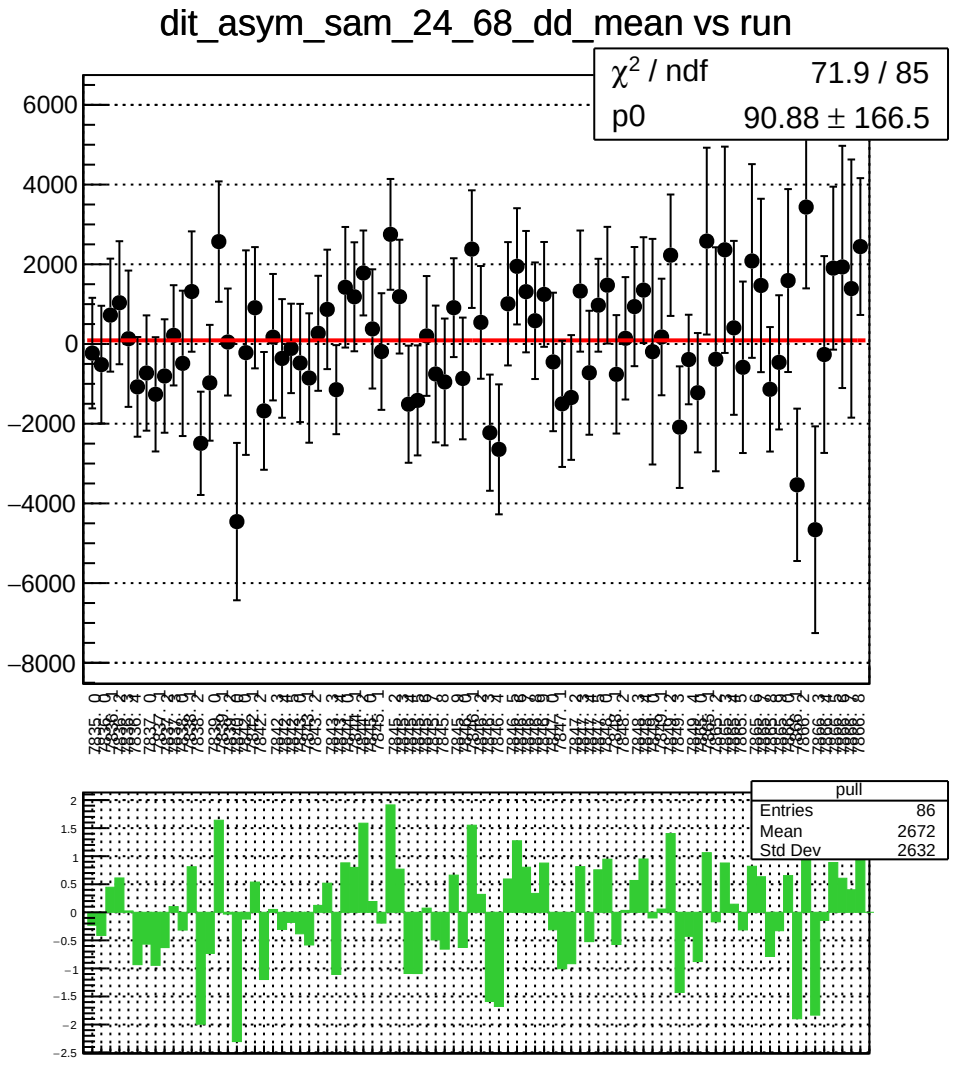

pull1D
Entries 86
Mean 0.01584
Std Dev 0.9897

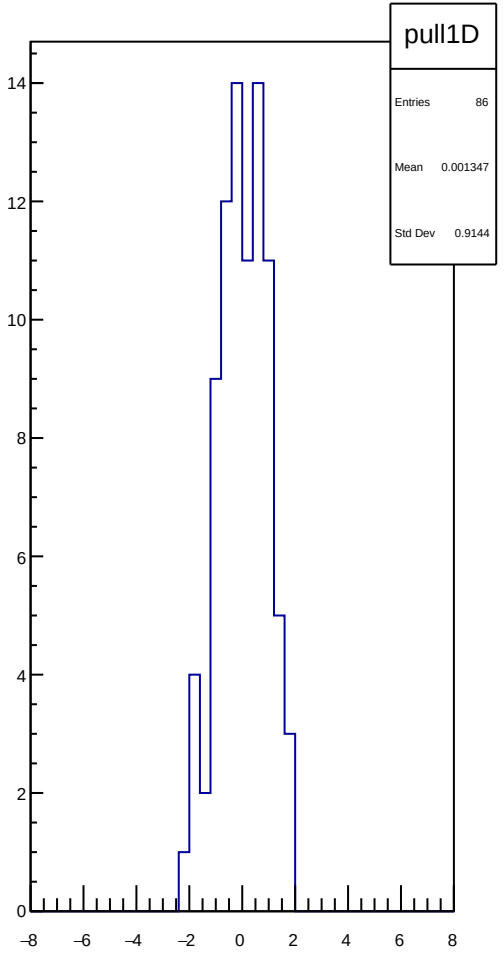

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1.796e+04 / 85
p0 1189 ± 0.9221
1800
1700
1600
1500
1400
1300
1200
1100
1000

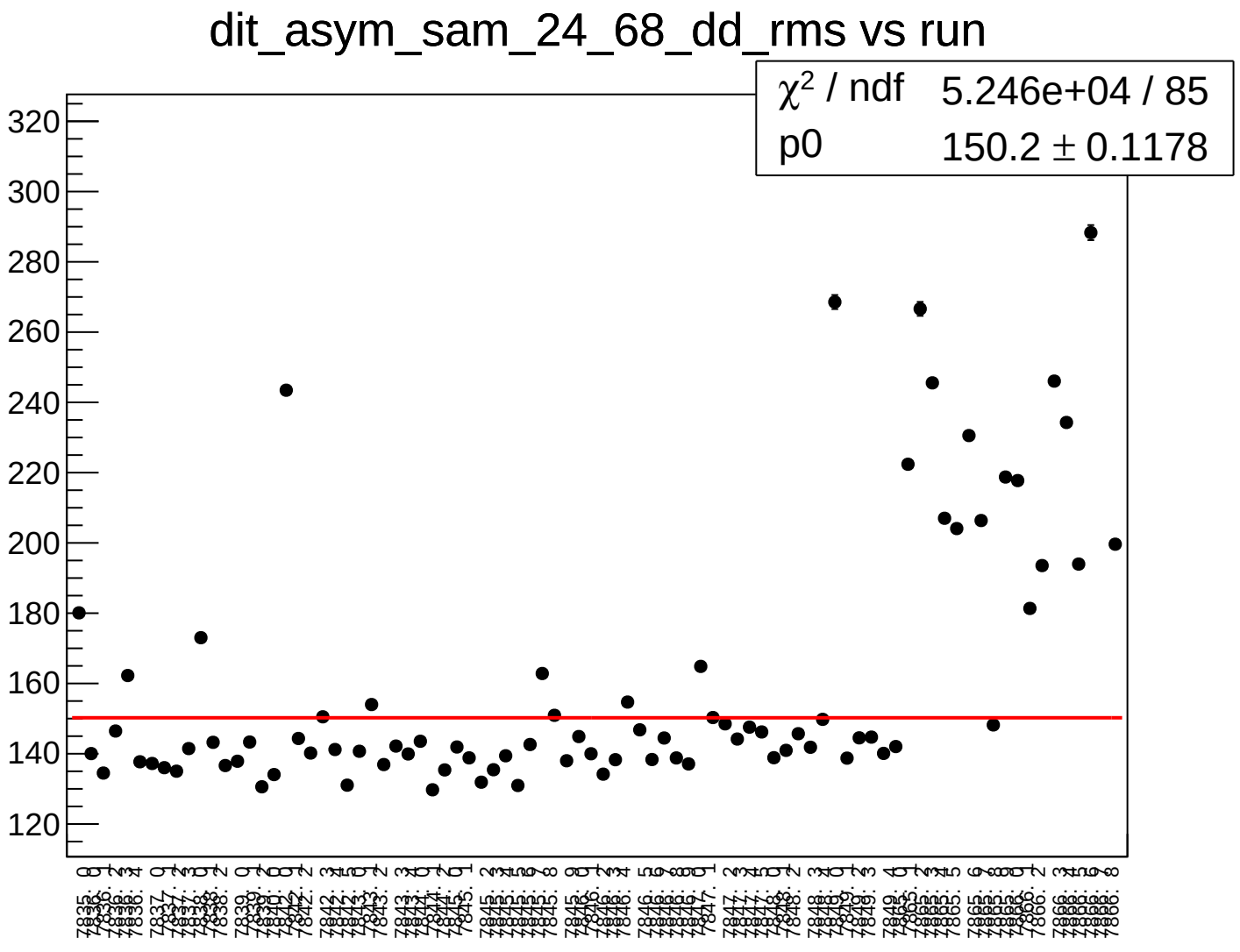

asym_sam_15_37_dd_mean vs run
χ² / ndf 83.92 / 85
p0 108 ± 1301
pull
Entries 86
Mean 143.5
Std Dev 112.1

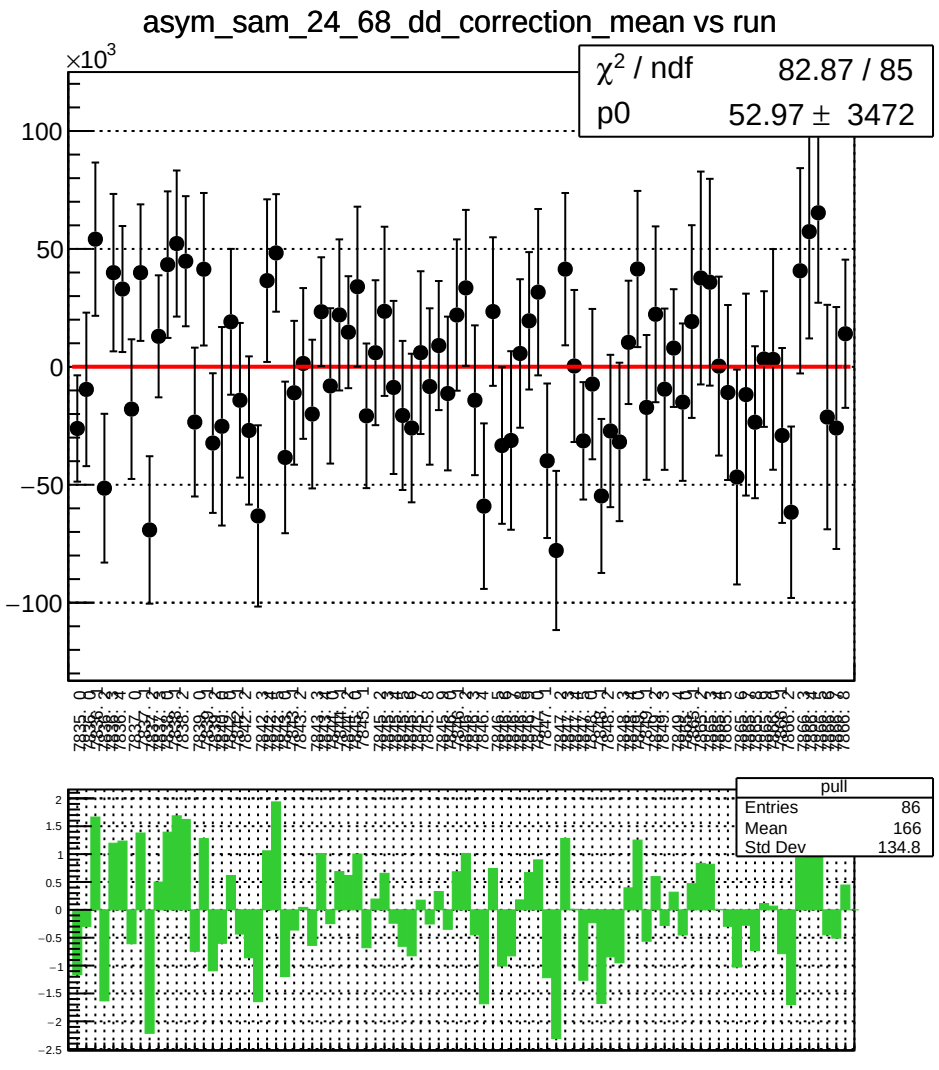

pull1D
Entries 86
Mean −0.01683
Std Dev 0.9877

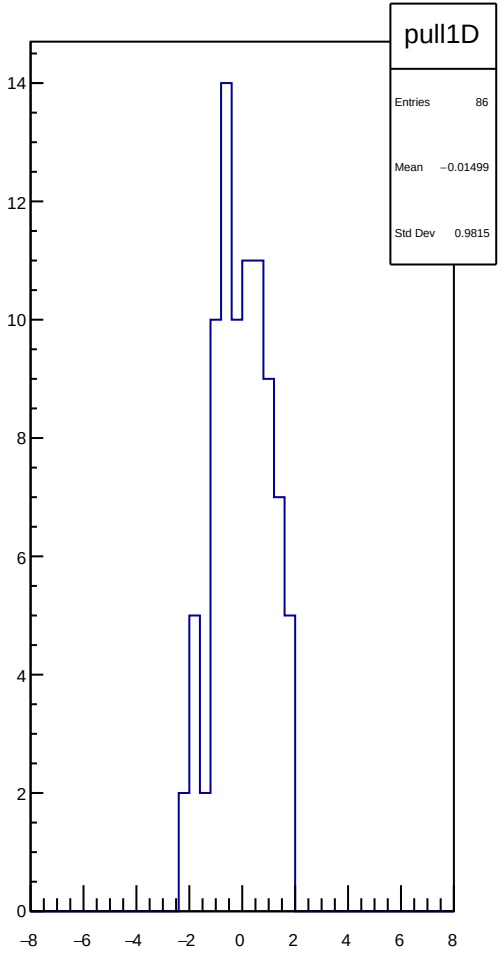

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.991e+04 / 85
p0 1185 ± 0.9196
1800
1700
1600
1500
1400
1300
1200
1100
1000

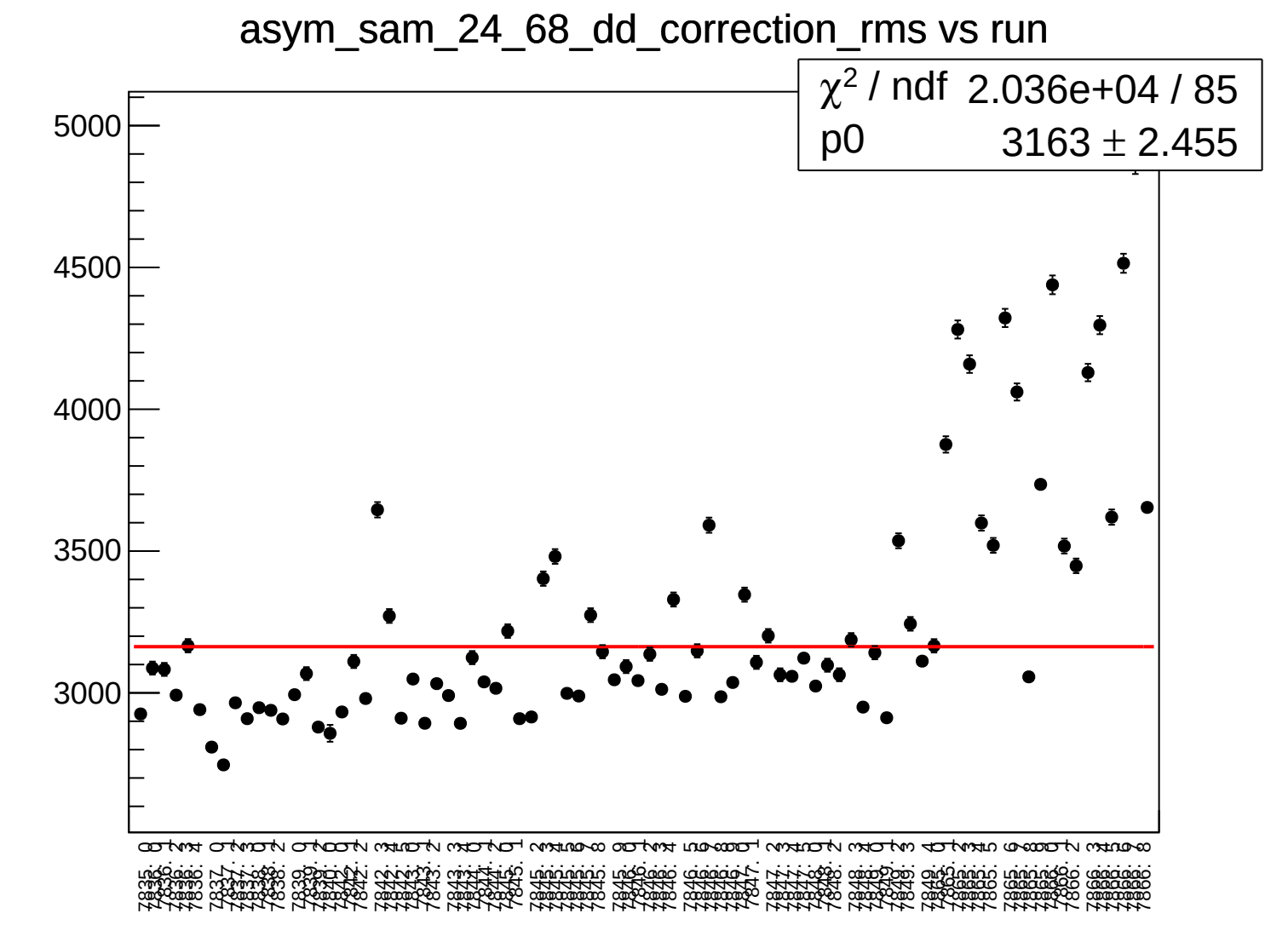

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 71.9 / 85
p0 90.88 ± 166.5
pull
Entries 86
Mean 2672
Std Dev 2632

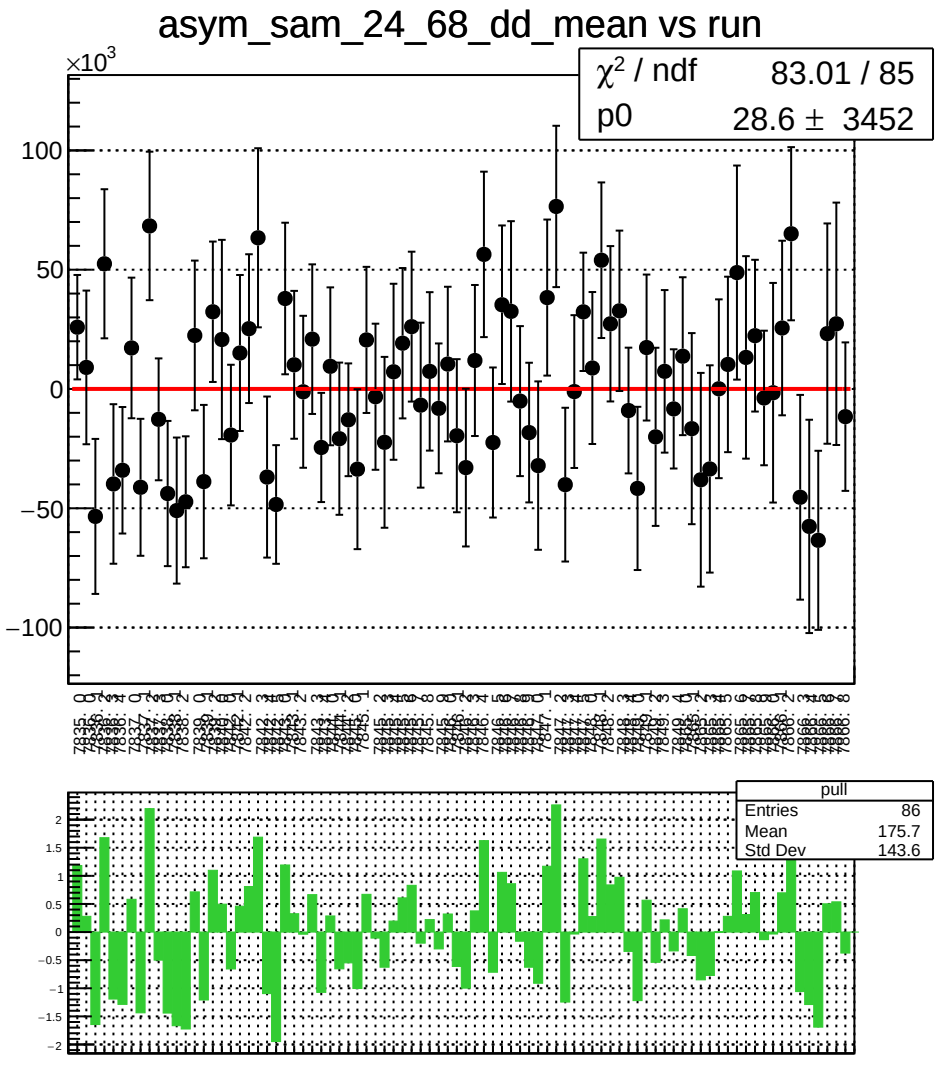

pull1D
Entries 86
Mean 0.001347
Std Dev 0.9144

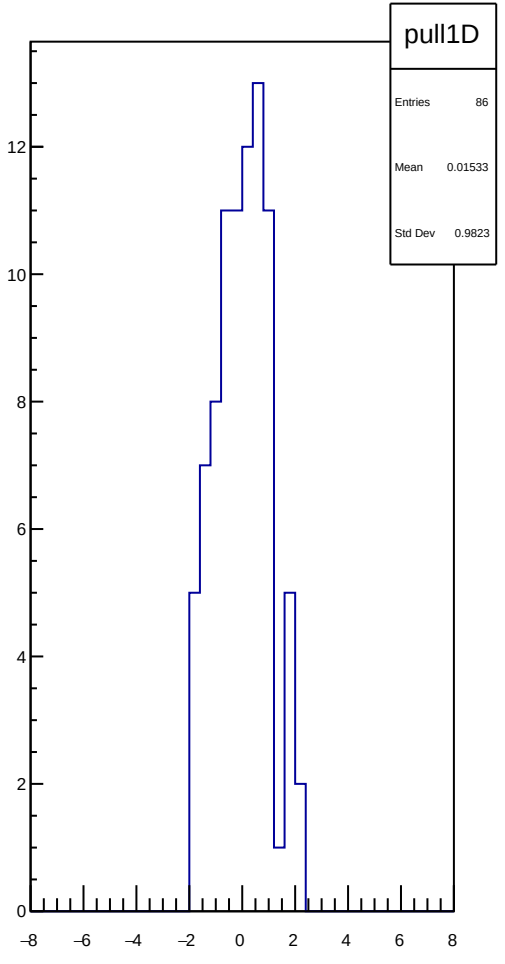

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 5.246e+04 / 85
p0 150.2 ± 0.1178
320
300
280
260
240
220
200
180
160
140
120

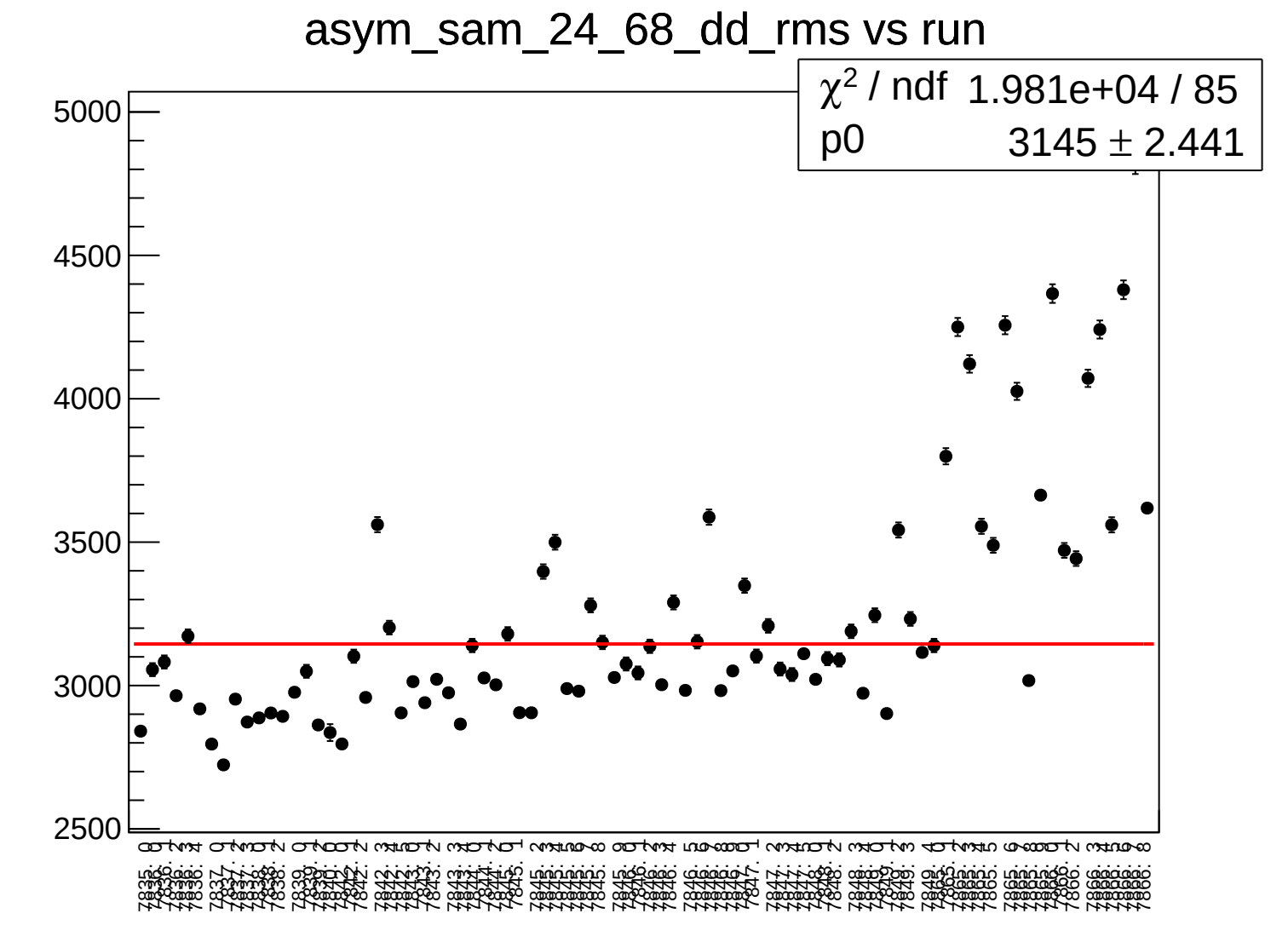

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ^2 / ndf 82.87 / 85
p0 52.97 ± 3472
100
50
0
−50
−100
pull
Entries 86
Mean 166
Std Dev 134.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

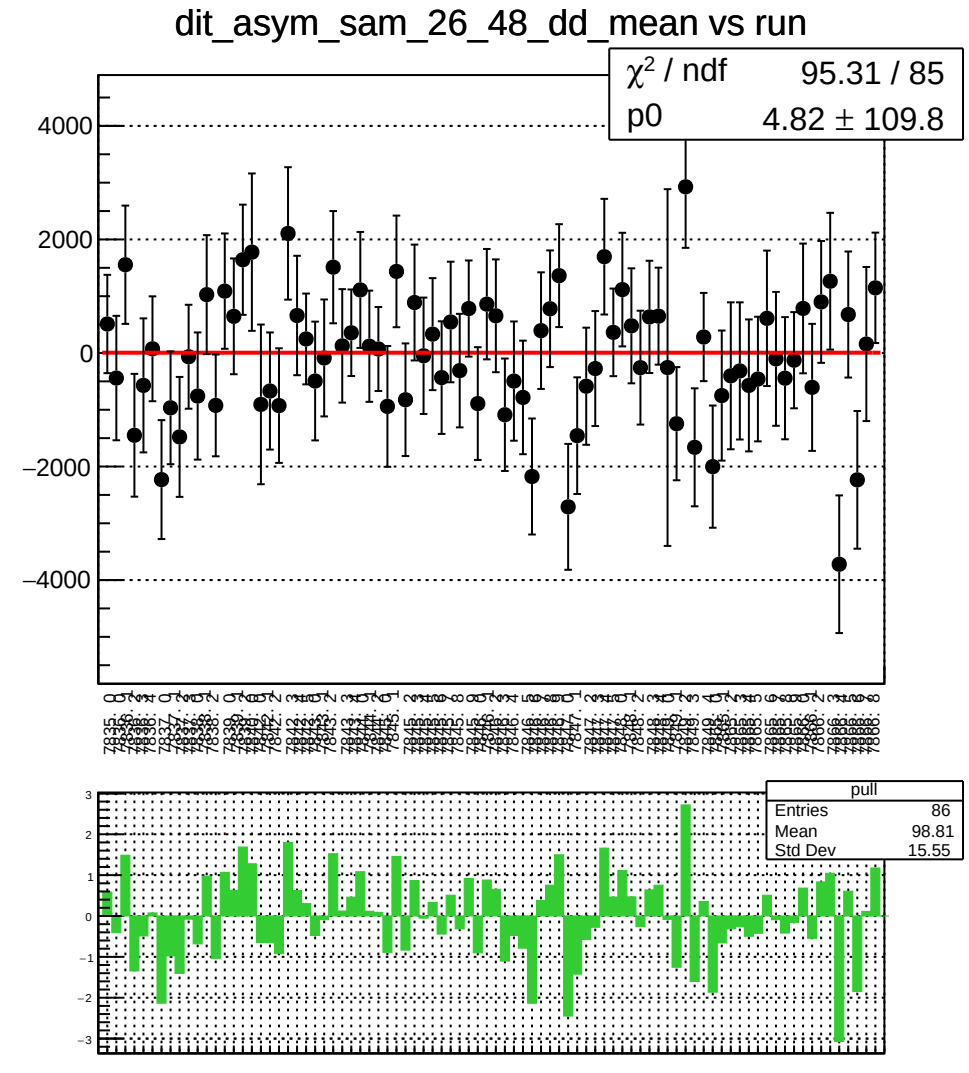

pull1D
Entries 86
Mean −0.01499
Std Dev 0.9815
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

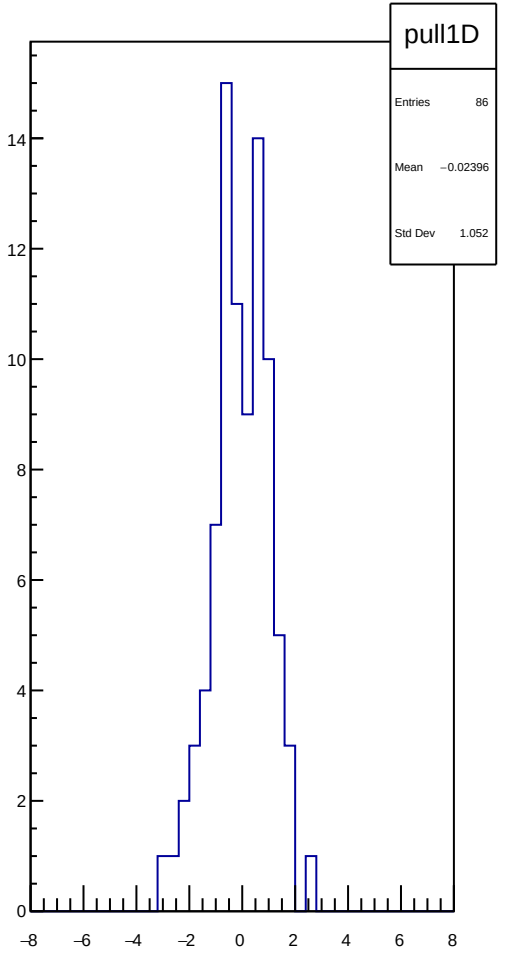

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 2.036e+04 / 85
p0 3163 ± 2.455
5000
4500
4000
3500
3000

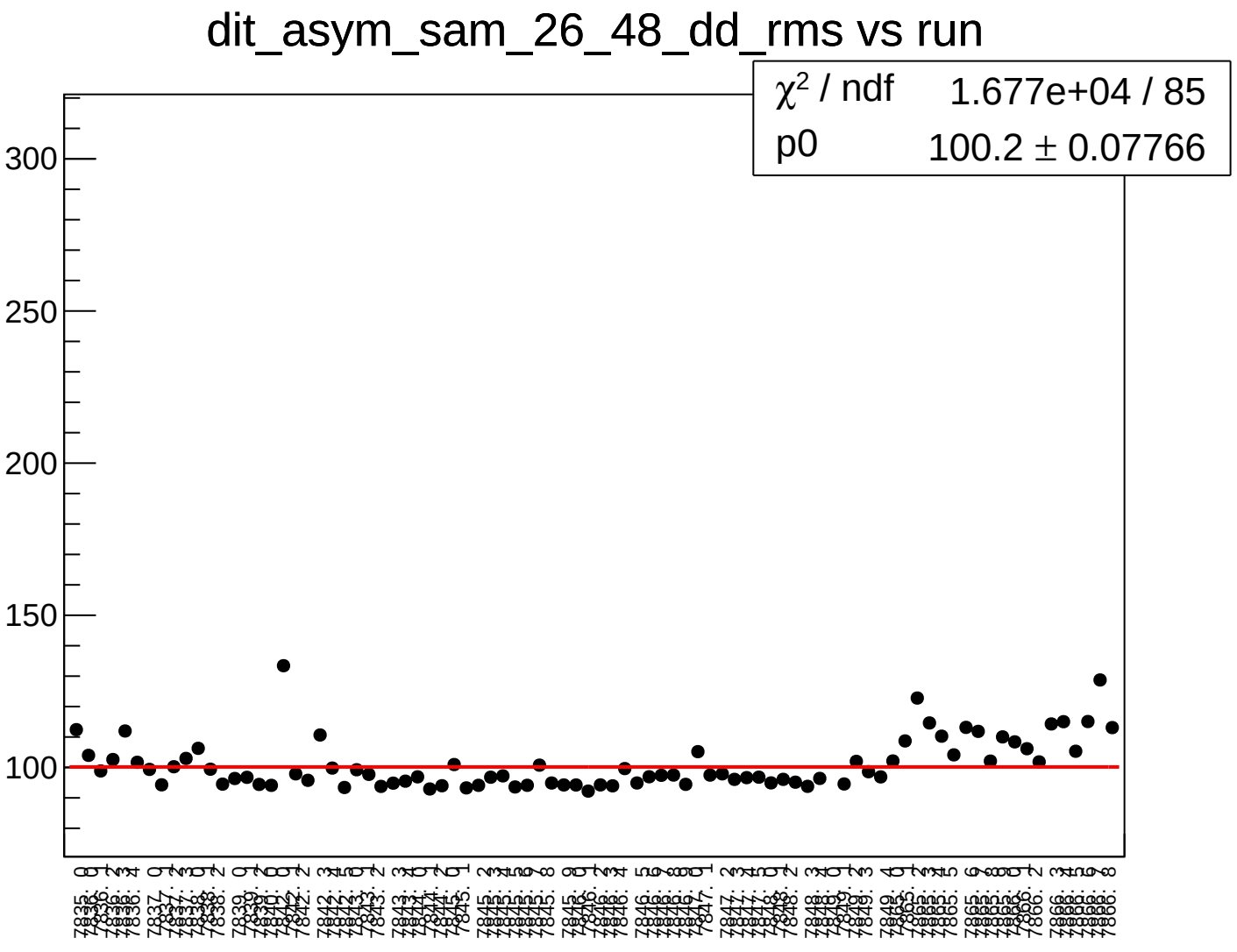

asym_sam_24_68_dd_mean vs run
×10^3
χ² / ndf 83.01 / 85
p0 28.6 ± 3452
100
50
0
−50
−100
pull
Entries 86
Mean 175.7
Std Dev 143.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

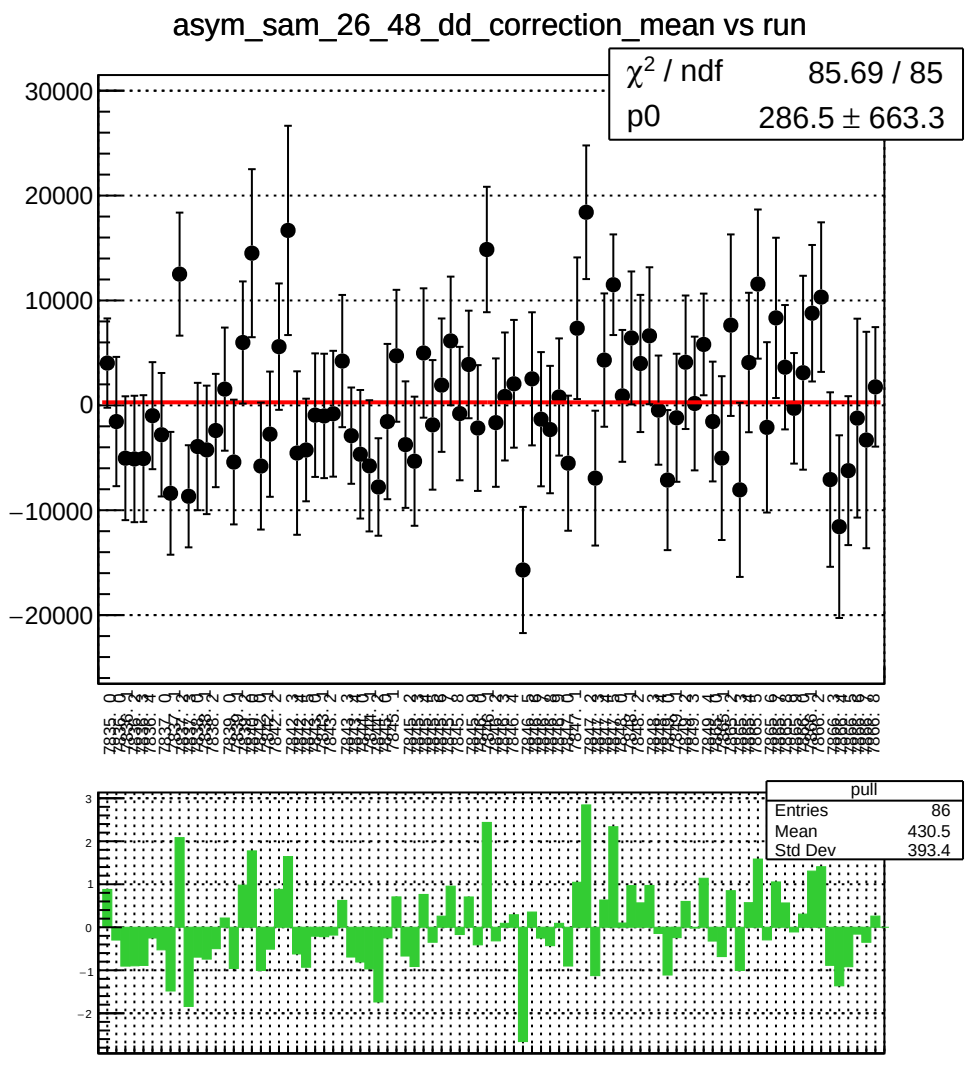

pull1D
Entries 86
Mean 0.01533
Std Dev 0.9823
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

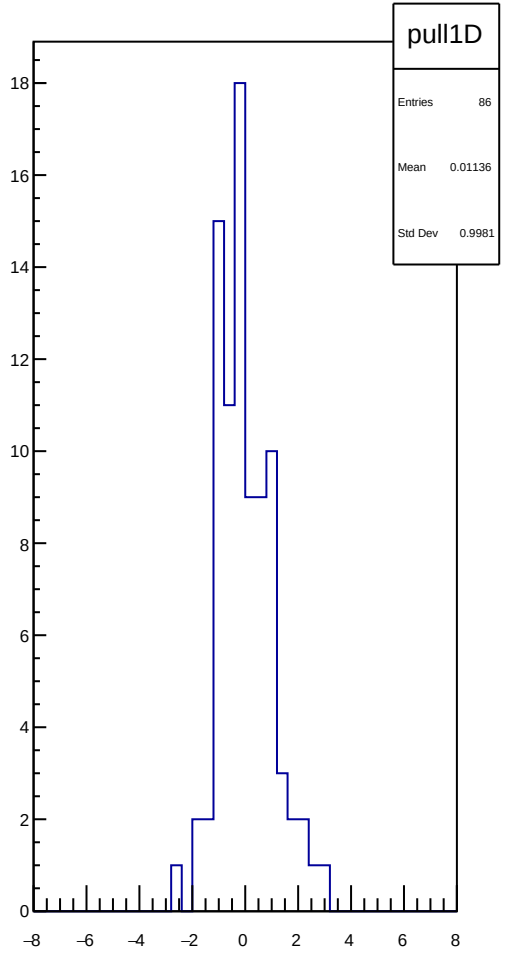

asym_sam_24_68_dd_rms vs run
χ² / ndf 1.981e+04 / 85
p0 3145 ± 2.441
5000
4500
4000
3500
3000
2500

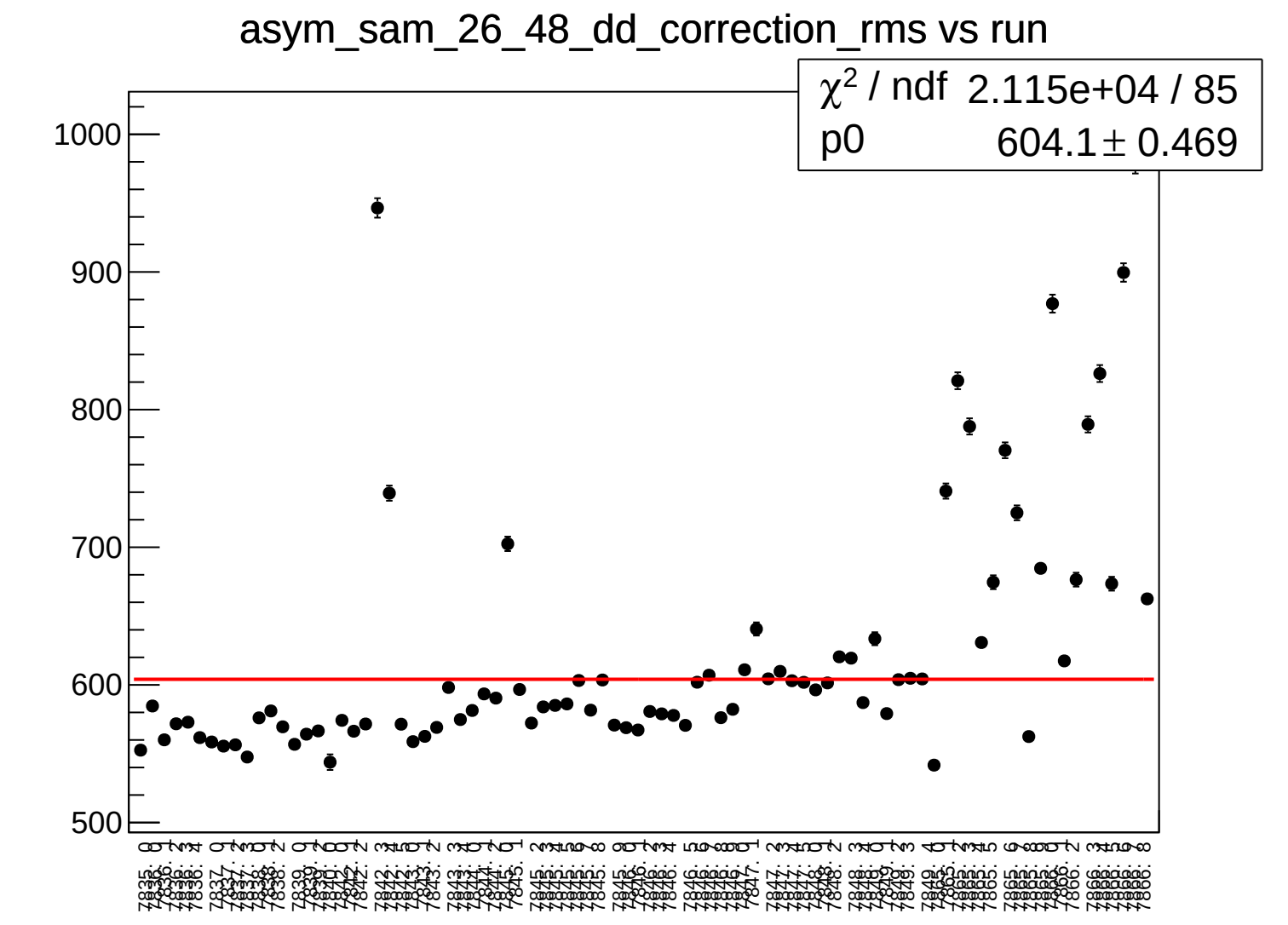

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 95.31 / 85
p0 4.82 ± 109.8
4000
2000
0
−2000
−4000
pull
Entries 86
Mean 98.81
Std Dev 15.55
3
2
1
0
−1
−2
−3

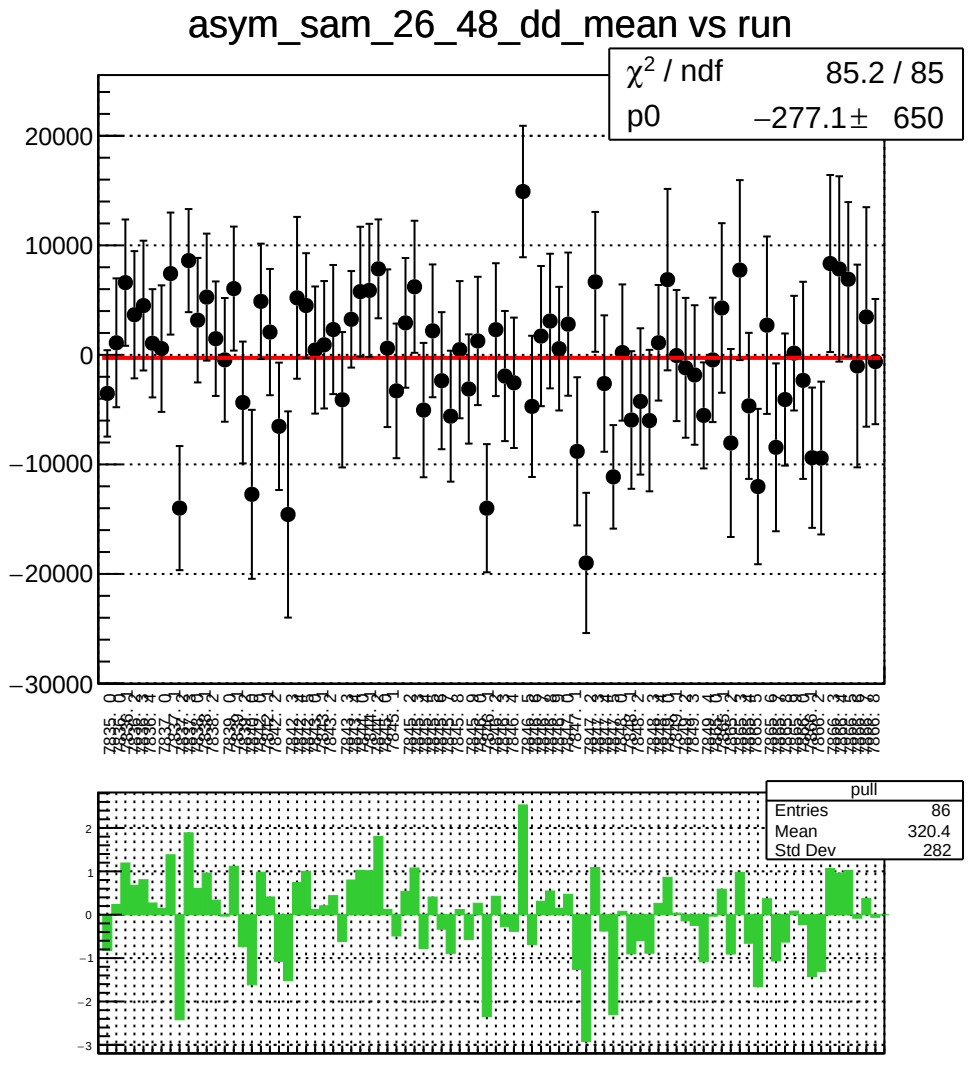

pull1D
Entries 86
Mean −0.02396
Std Dev 1.052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

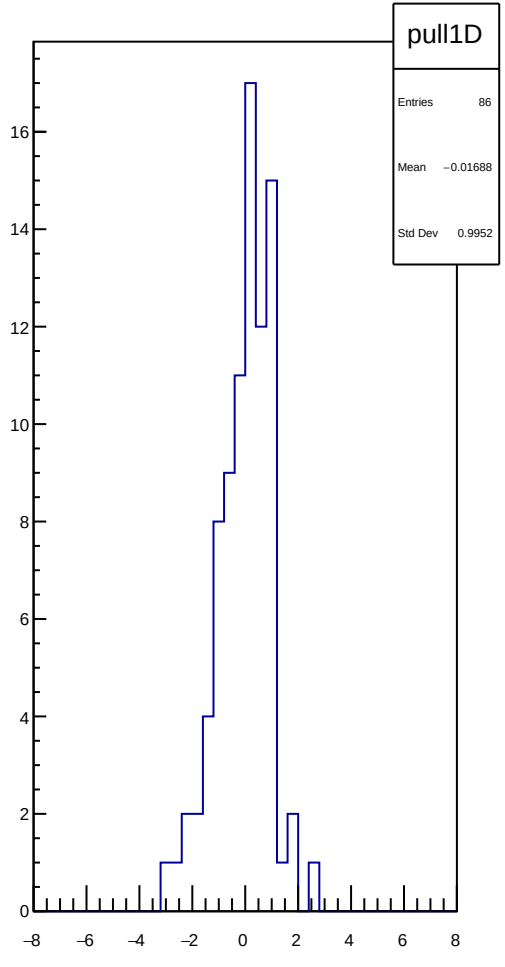

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 1.677e+04 / 85
p0 100.2 ± 0.07766
300
250
200
150
100

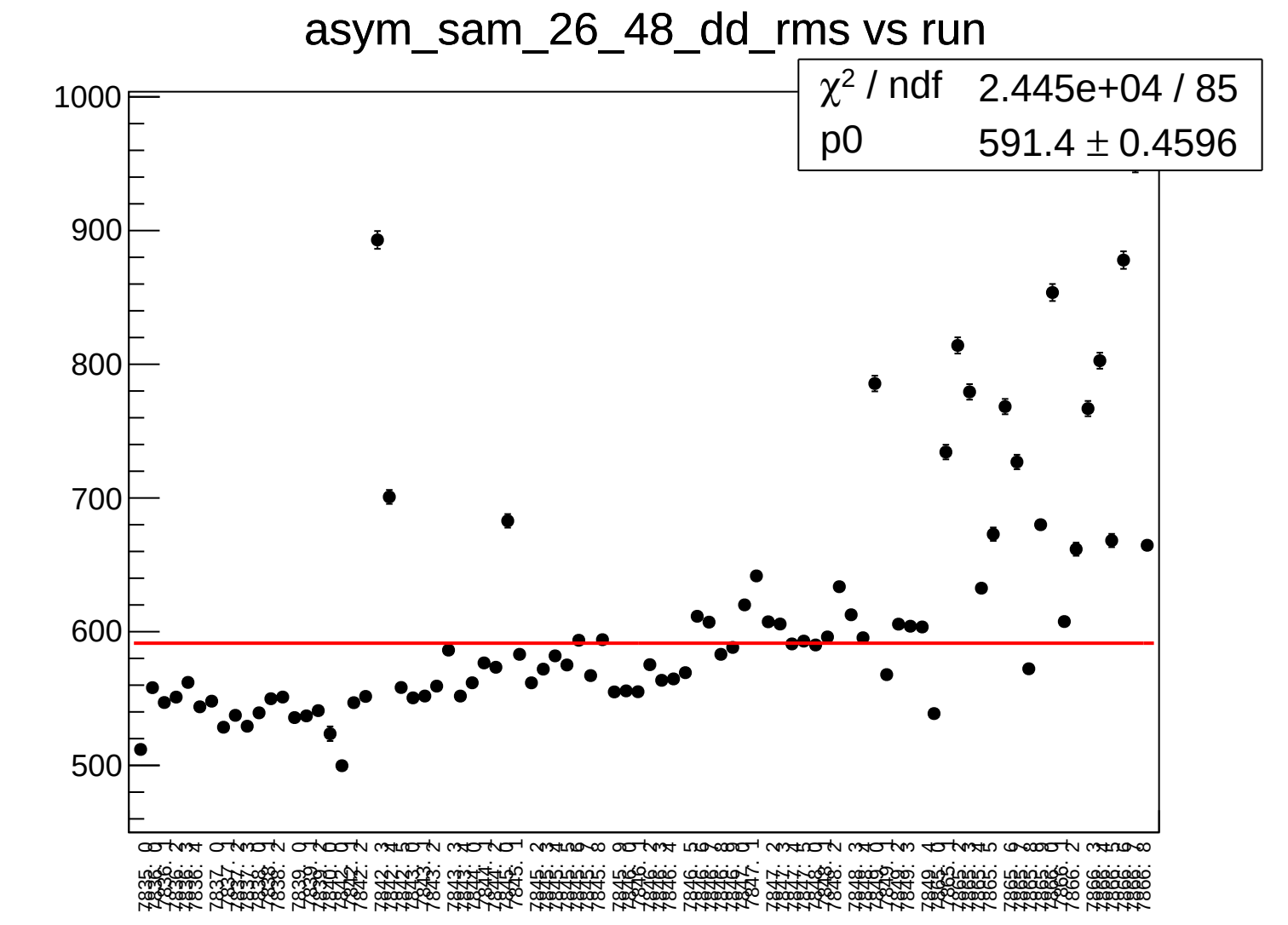

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 85.69 / 85
p0 286.5 ± 663.3
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 430.5
Std Dev 393.4
3
2
1
0
−1
−2

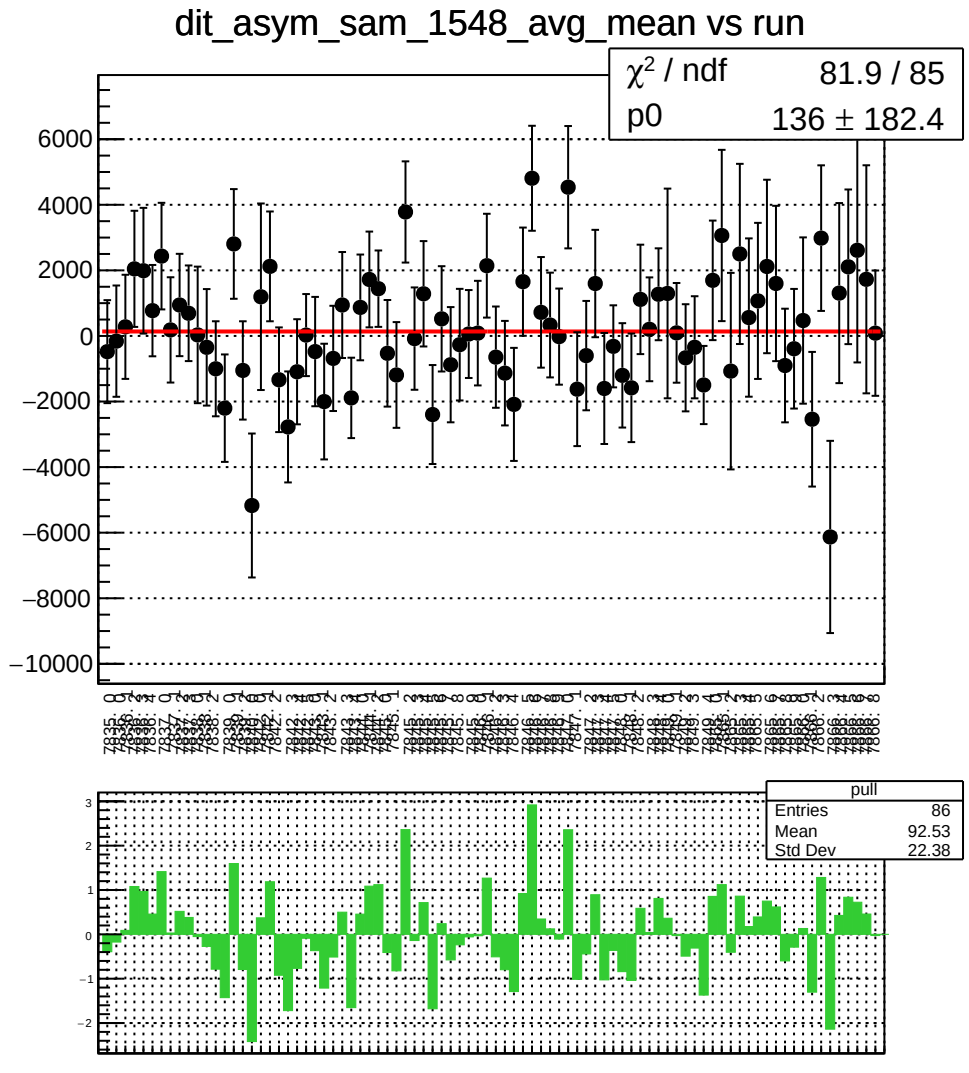

pull1D
Entries 86
Mean 0.01136
Std Dev 0.9981
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

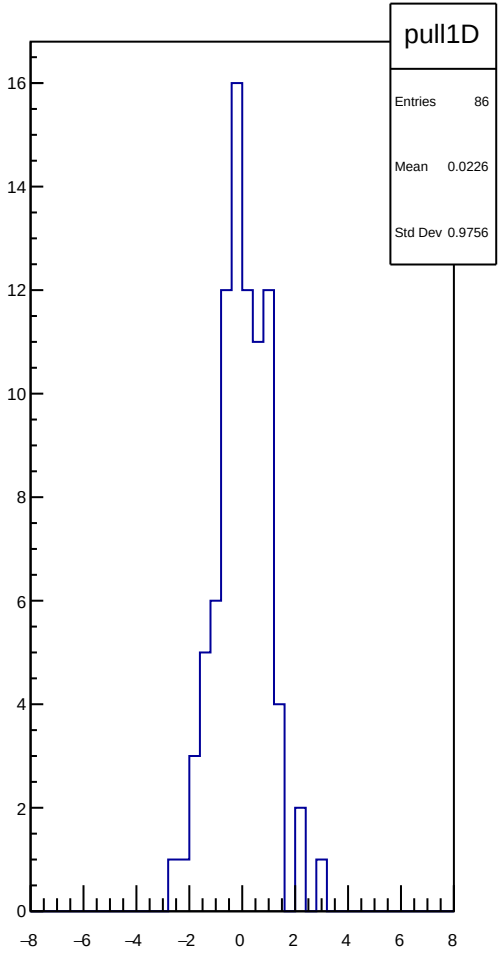

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2.115e+04 / 85
p0 604.1 ± 0.469
1000
900
800
700
600
500

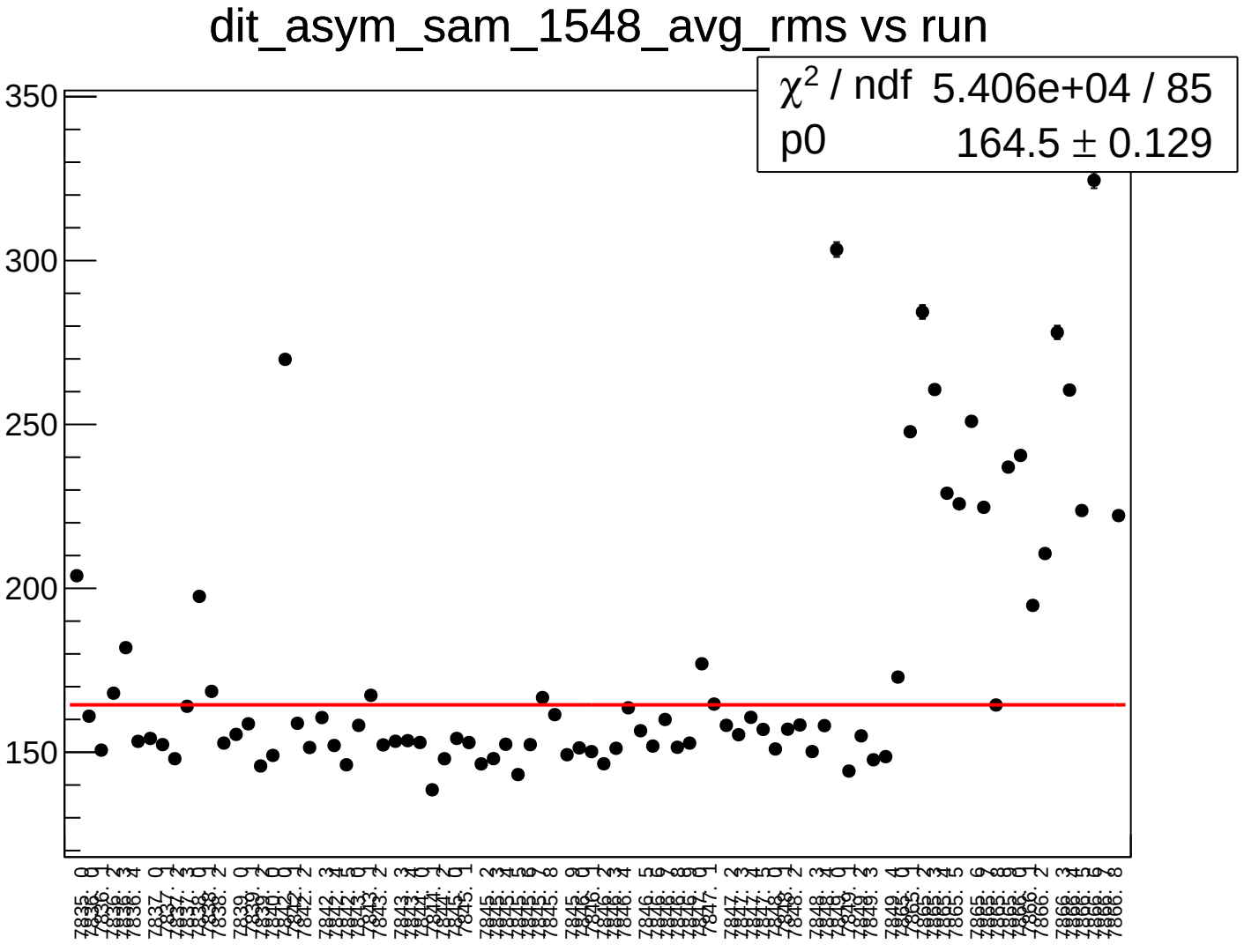

asym_sam_26_48_dd_mean vs run
χ² / ndf 85.2 / 85
p0 −277.1± 650
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 320.4
Std Dev 282
2
1
0
−1
−2
−3

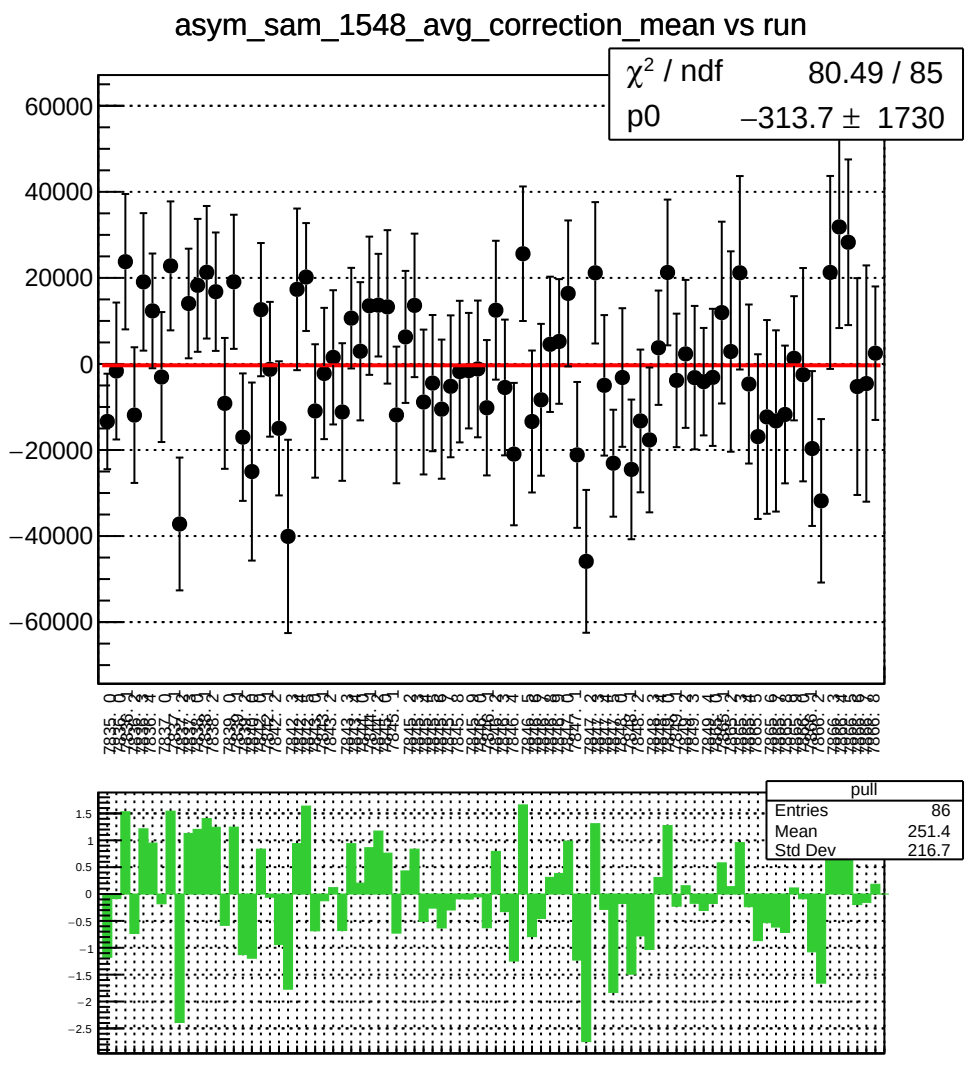

pull1D
Entries 86
Mean −0.01688
Std Dev 0.9952
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

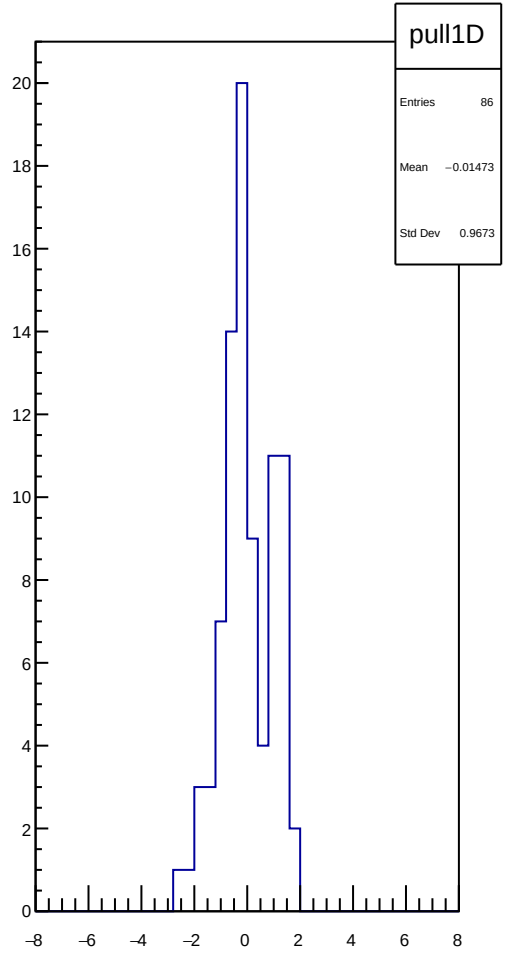

asym_sam_26_48_dd_rms vs run
χ² / ndf 2.445e+04 / 85
p0 591.4 ± 0.4596
1000
900
800
700
600
500

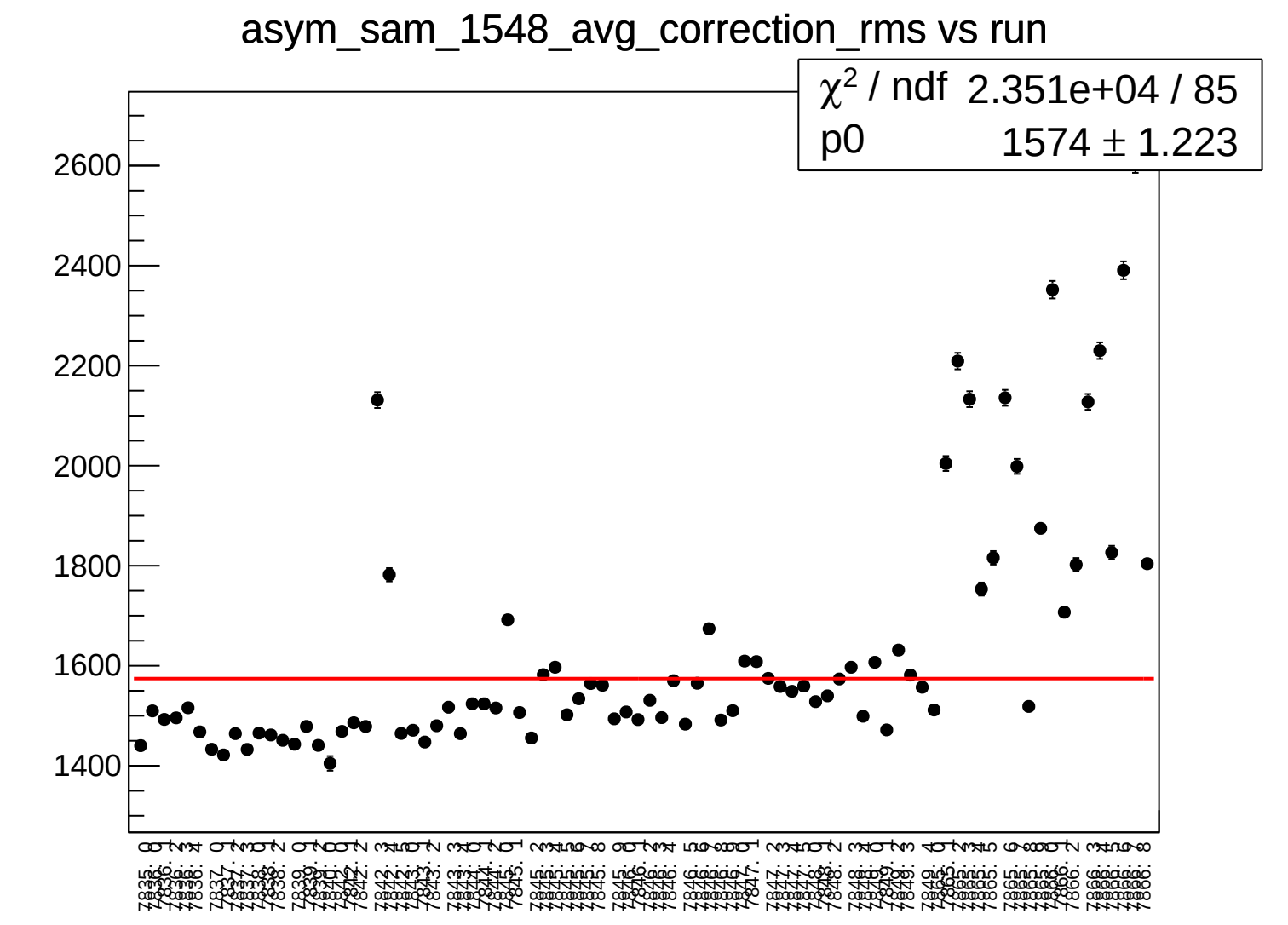

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 81.9 / 85
p0 136 ± 182.4
pull
Entries 86
Mean 92.53
Std Dev 22.38

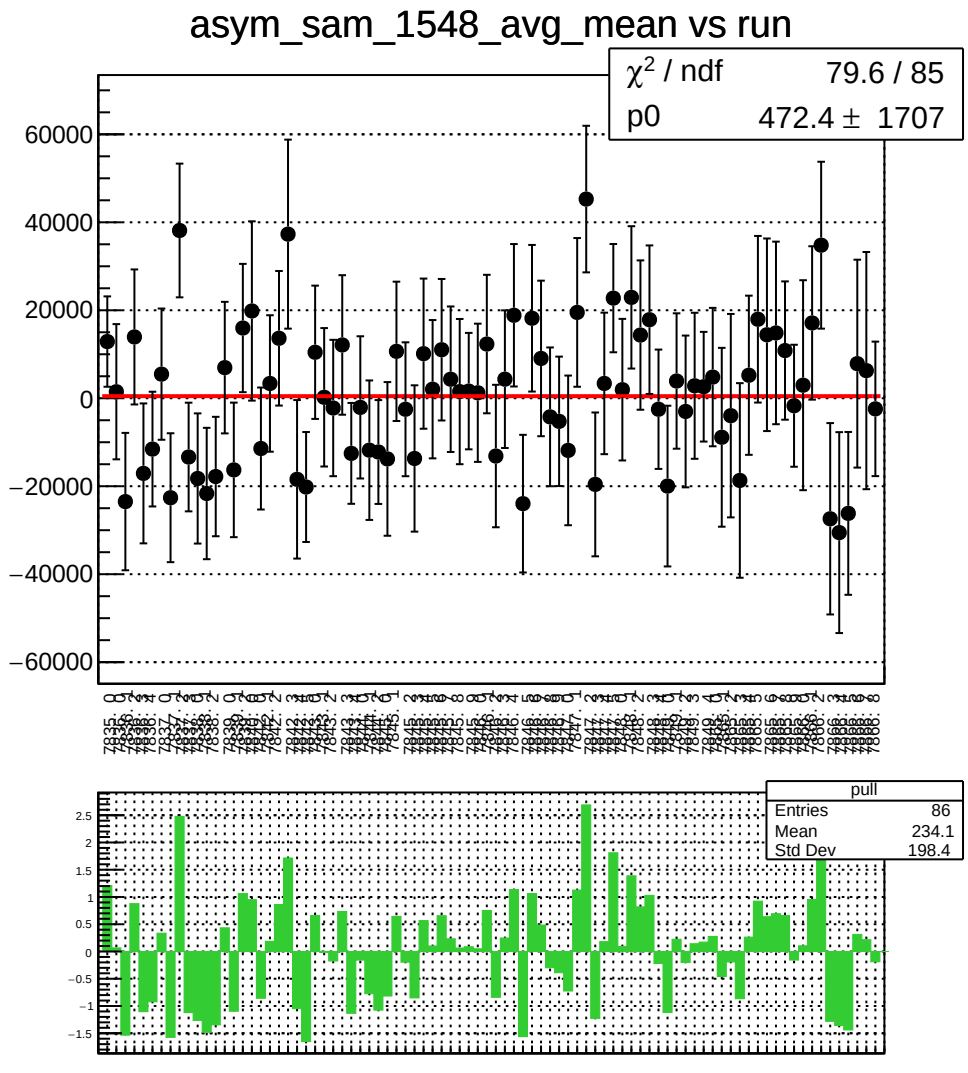

pull1D
Entries 86
Mean 0.0226
Std Dev 0.9756

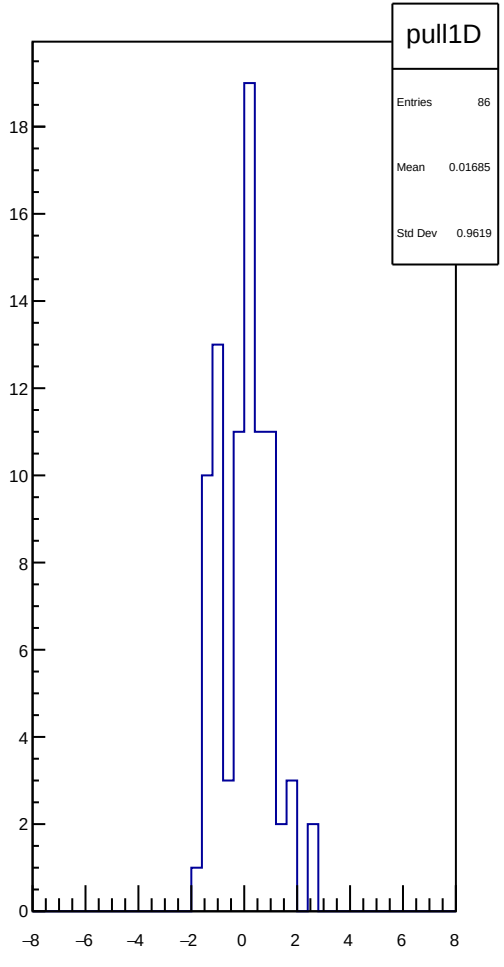

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 5.406e+04 / 85
p0 164.5 ± 0.129
350
300
250
200
150

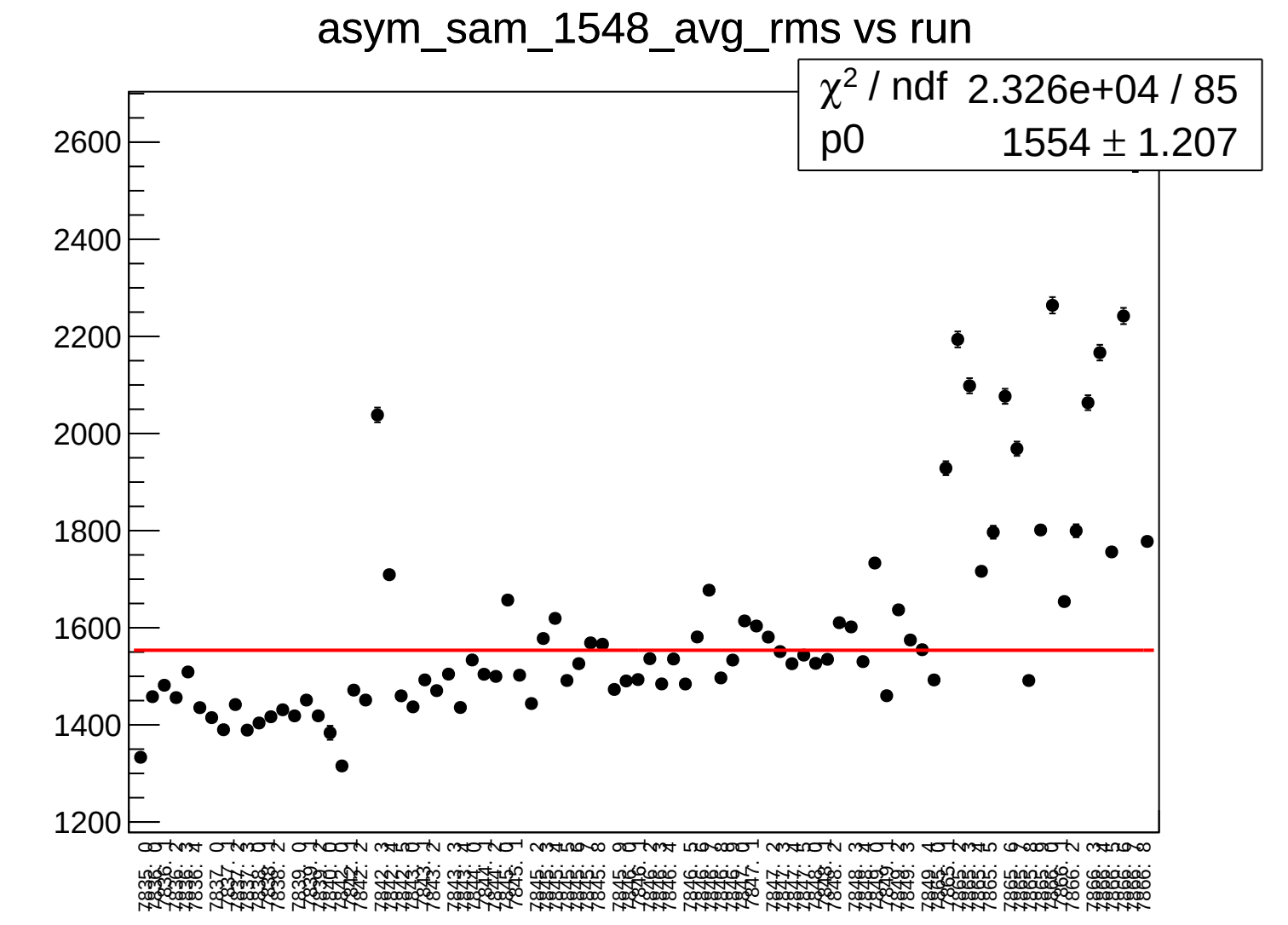

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 80.49 / 85
p0 −313.7 ± 1730
pull
Entries 86
Mean 251.4
Std Dev 216.7

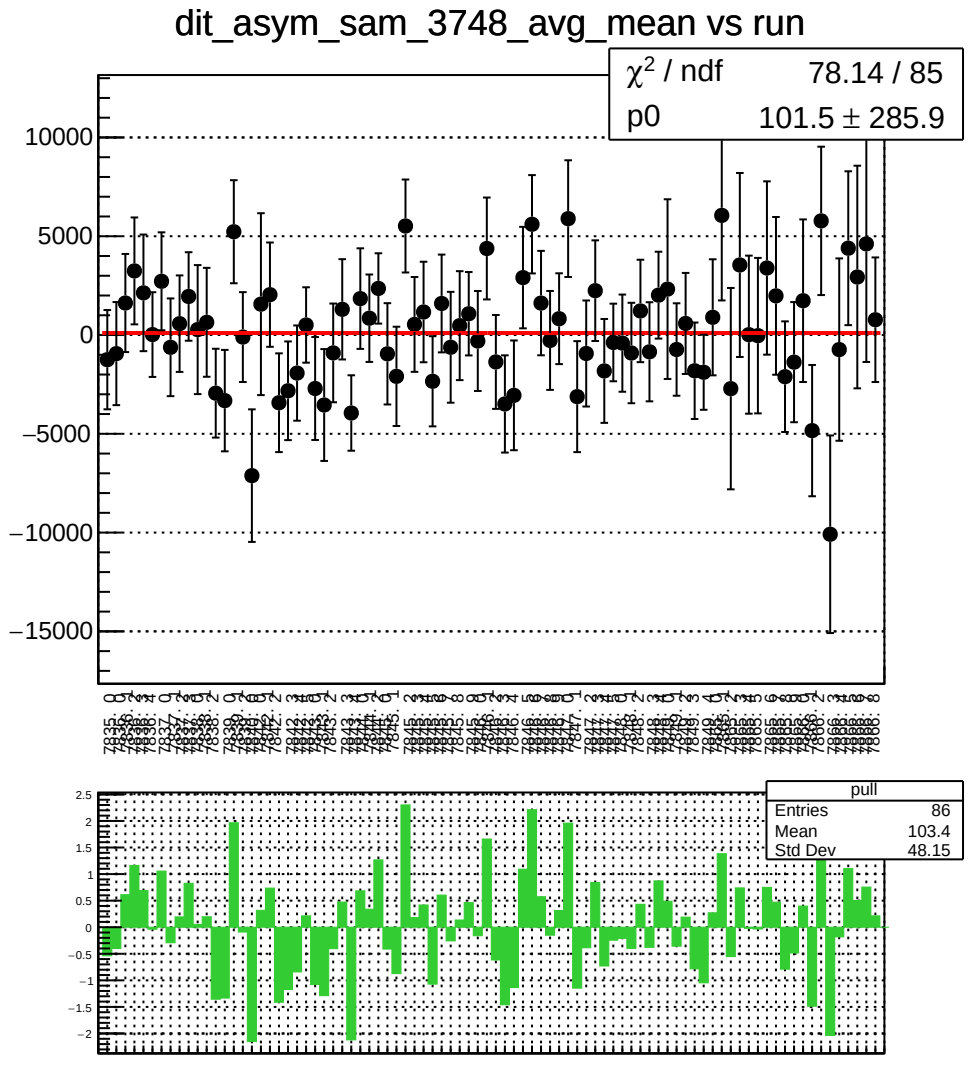

pull1D
Entries 86
Mean −0.01473
Std Dev 0.9673

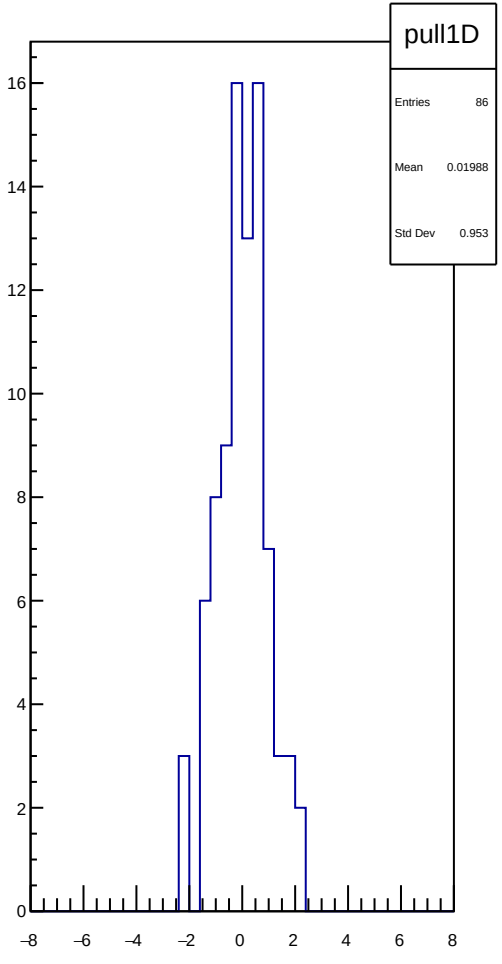

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 2.351e+04 / 85
p0 1574 ± 1.223
2600
2400
2200
2000
1800
1600
1400

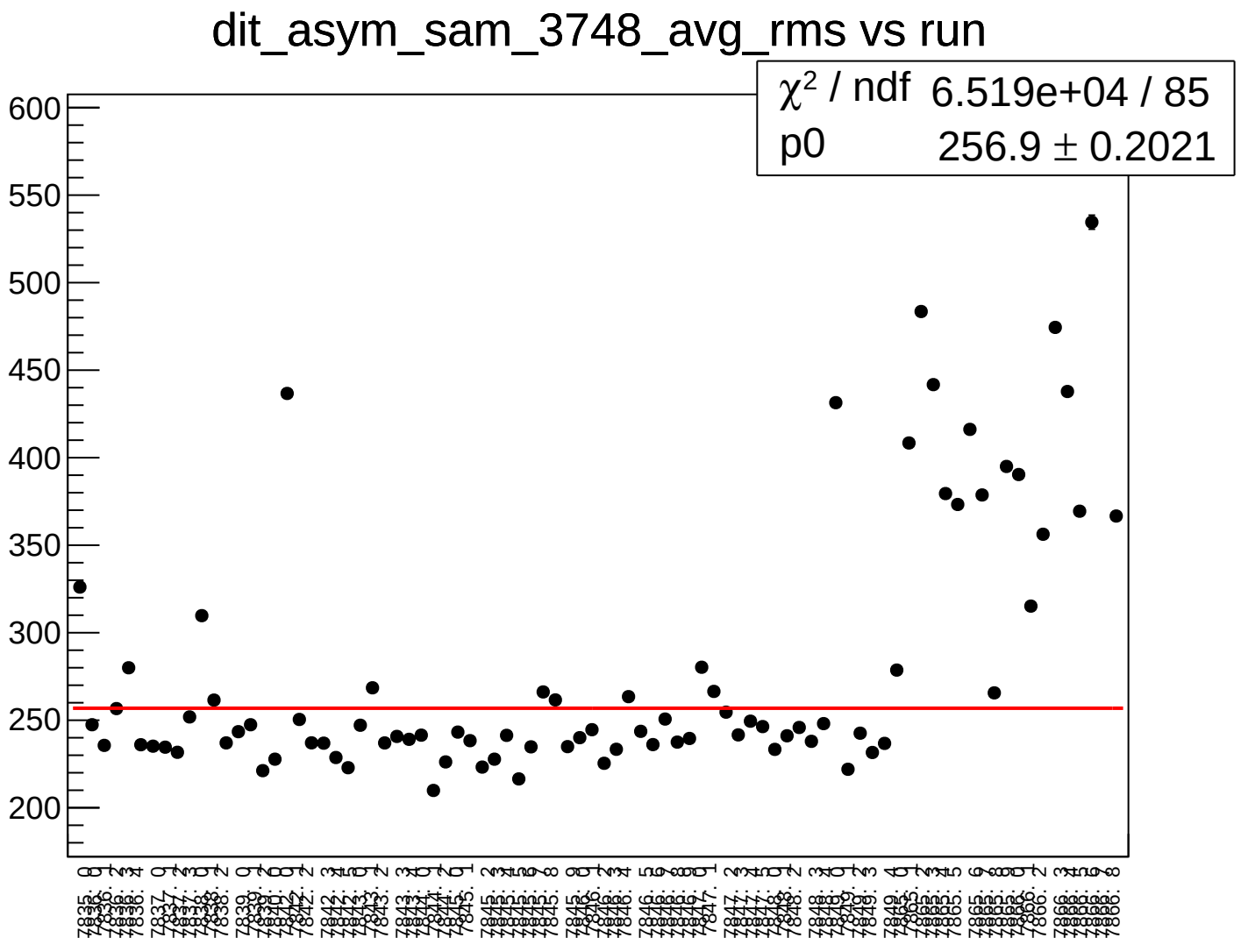

asym_sam_1548_avg_mean vs run
χ² / ndf 79.6 / 85
p0 472.4 ± 1707
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 234.1
Std Dev 198.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

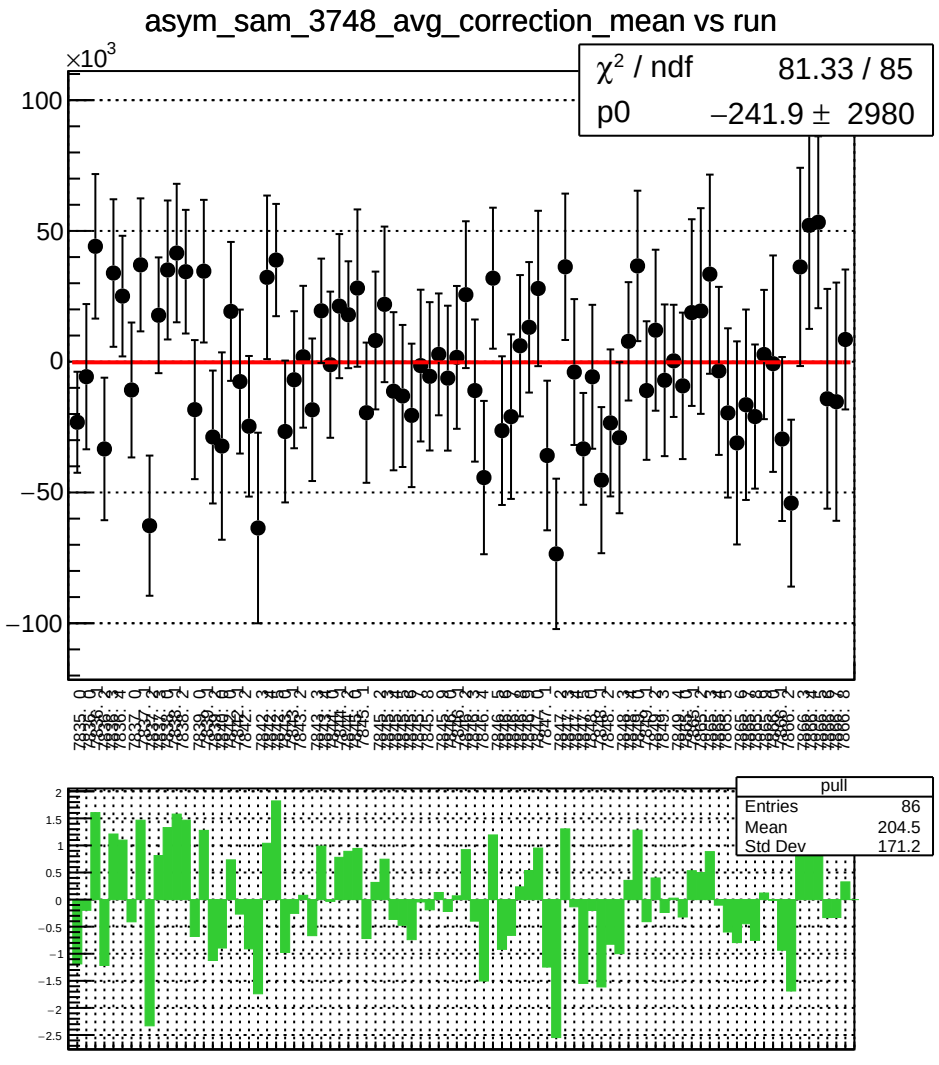

pull1D
Entries 86
Mean 0.01685
Std Dev 0.9619
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

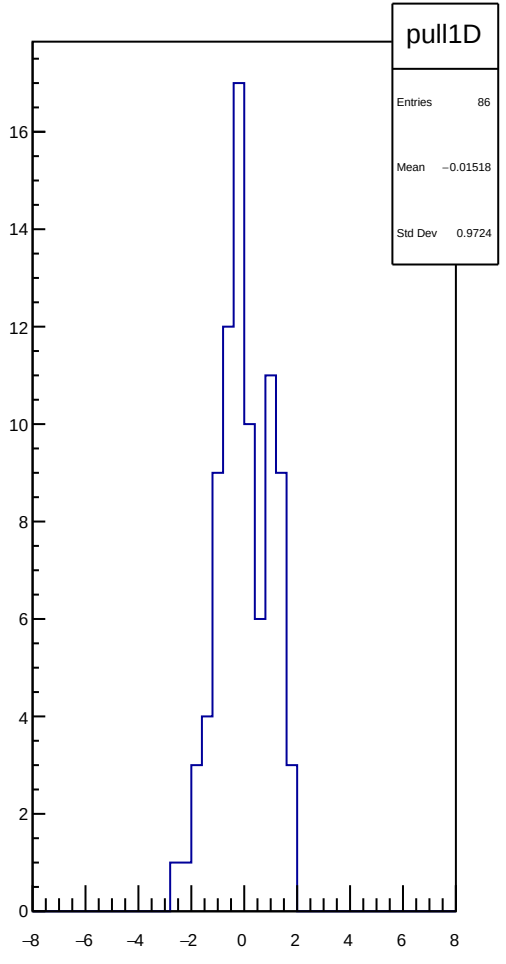

asym_sam_1548_avg_rms vs run
χ² / ndf 2.326e+04 / 85
p0 1554 ± 1.207
2600
2400
2200
2000
1800
1600
1400
1200

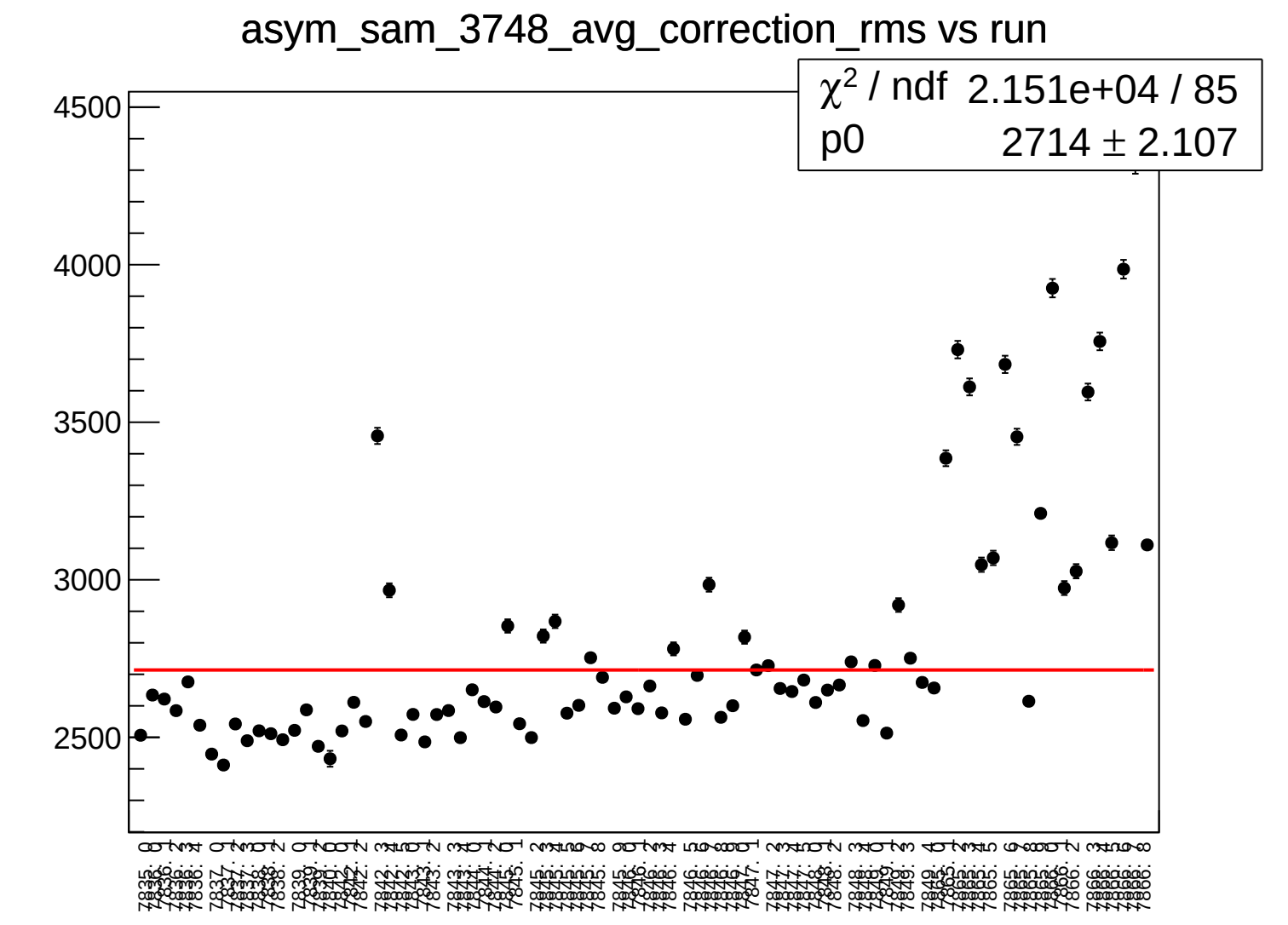

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 78.14 / 85
p0 101.5 ± 285.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 103.4
Std Dev 48.15
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

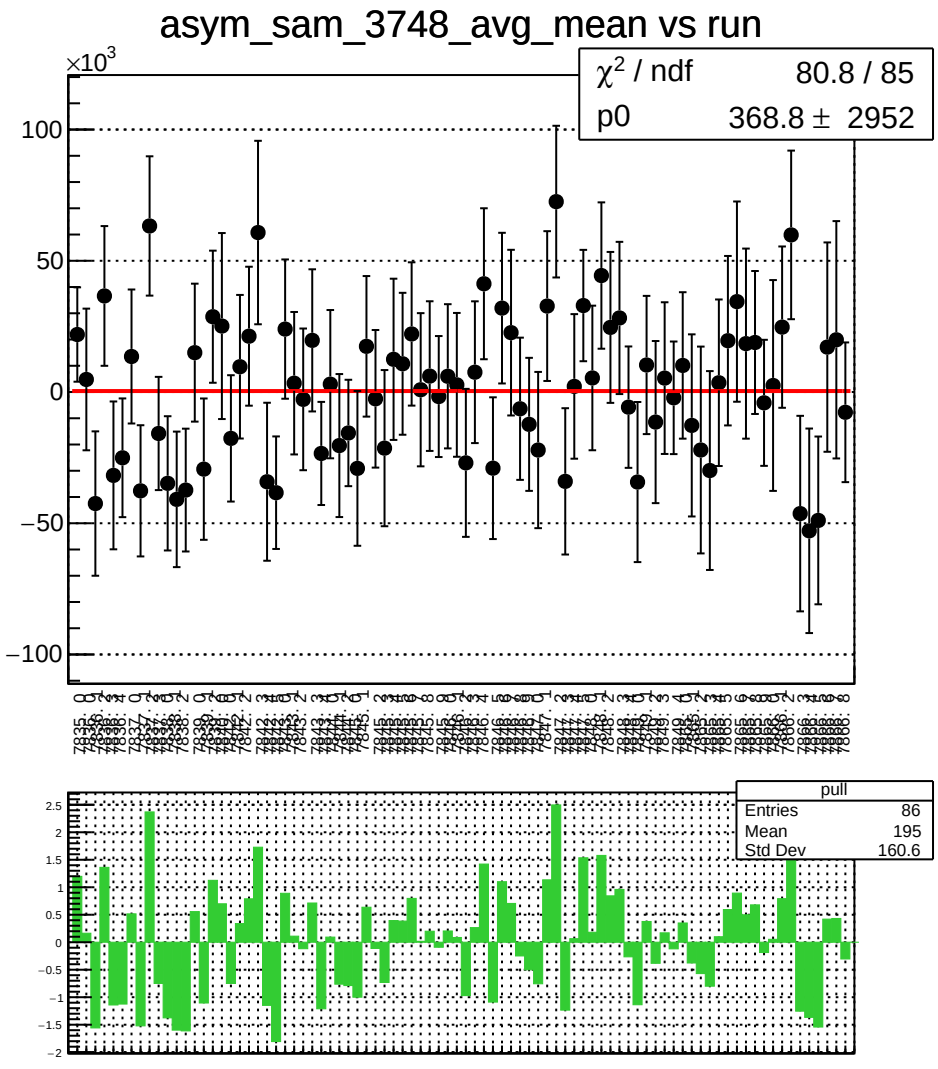

pull1D
Entries 86
Mean 0.01988
Std Dev 0.953
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

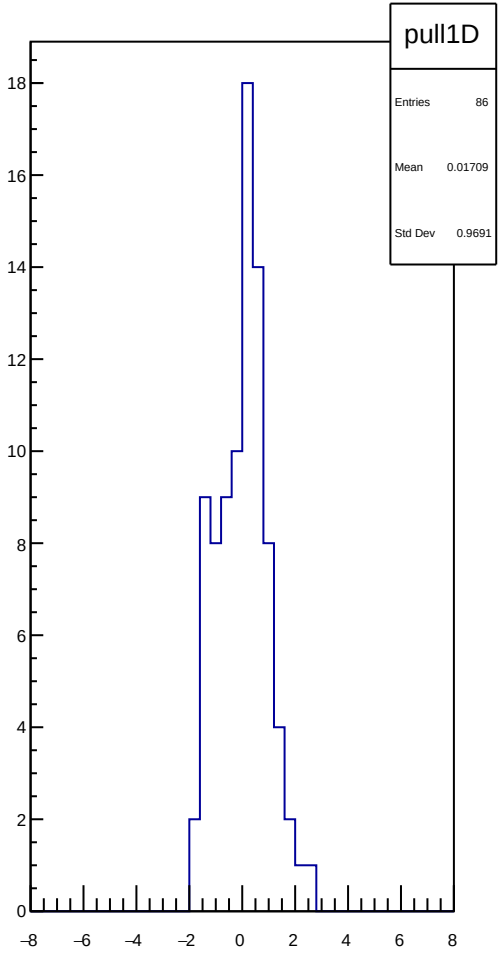

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 6.519e+04 / 85
p0 256.9 ± 0.2021
600
550
500
450
400
350
300
250
200

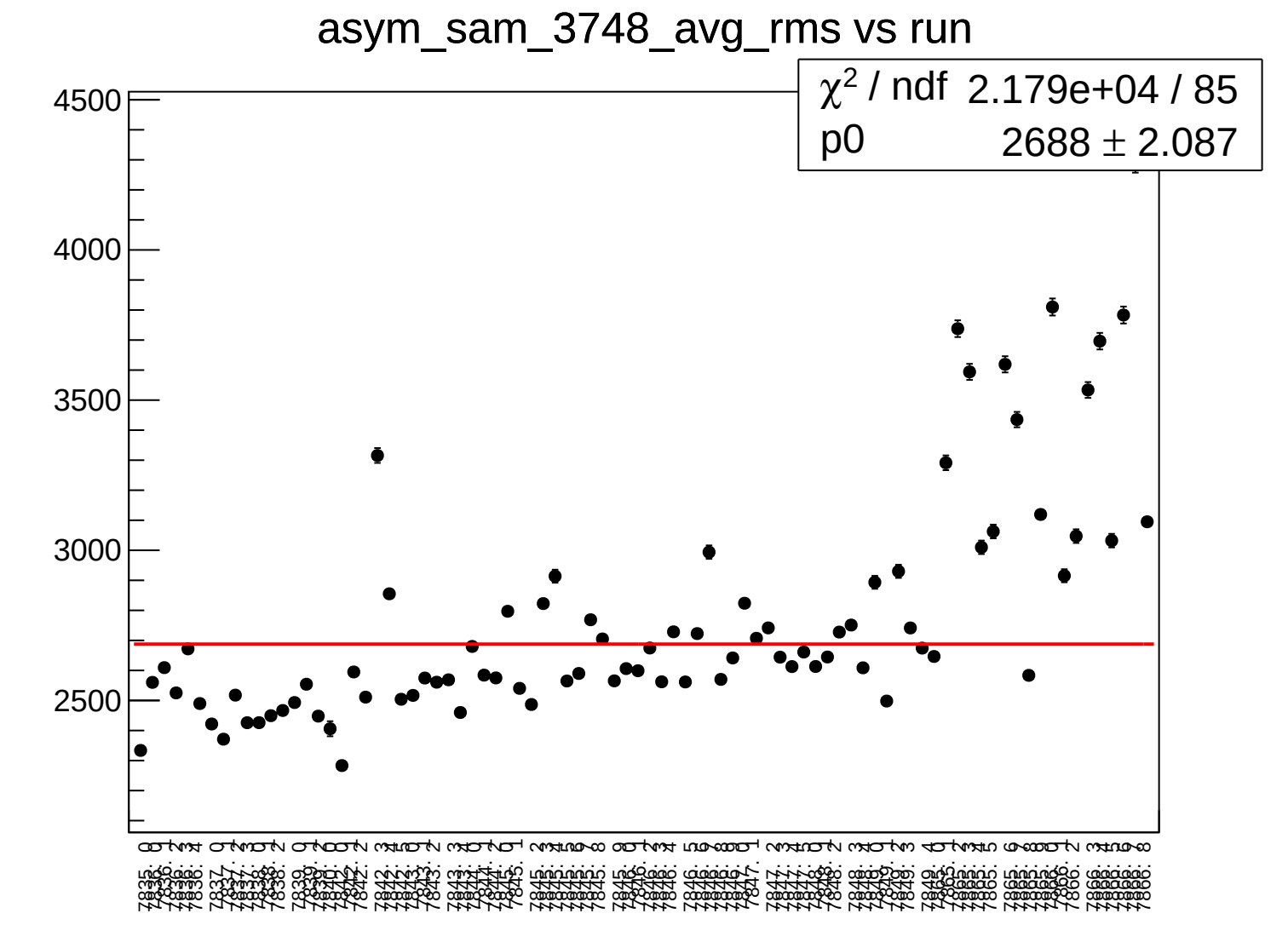

asym_sam_3748_avg_correction_mean vs run
×10^3
χ² / ndf 81.33 / 85
p0 −241.9 ± 2980
pull
Entries 86
Mean 204.5
Std Dev 171.2

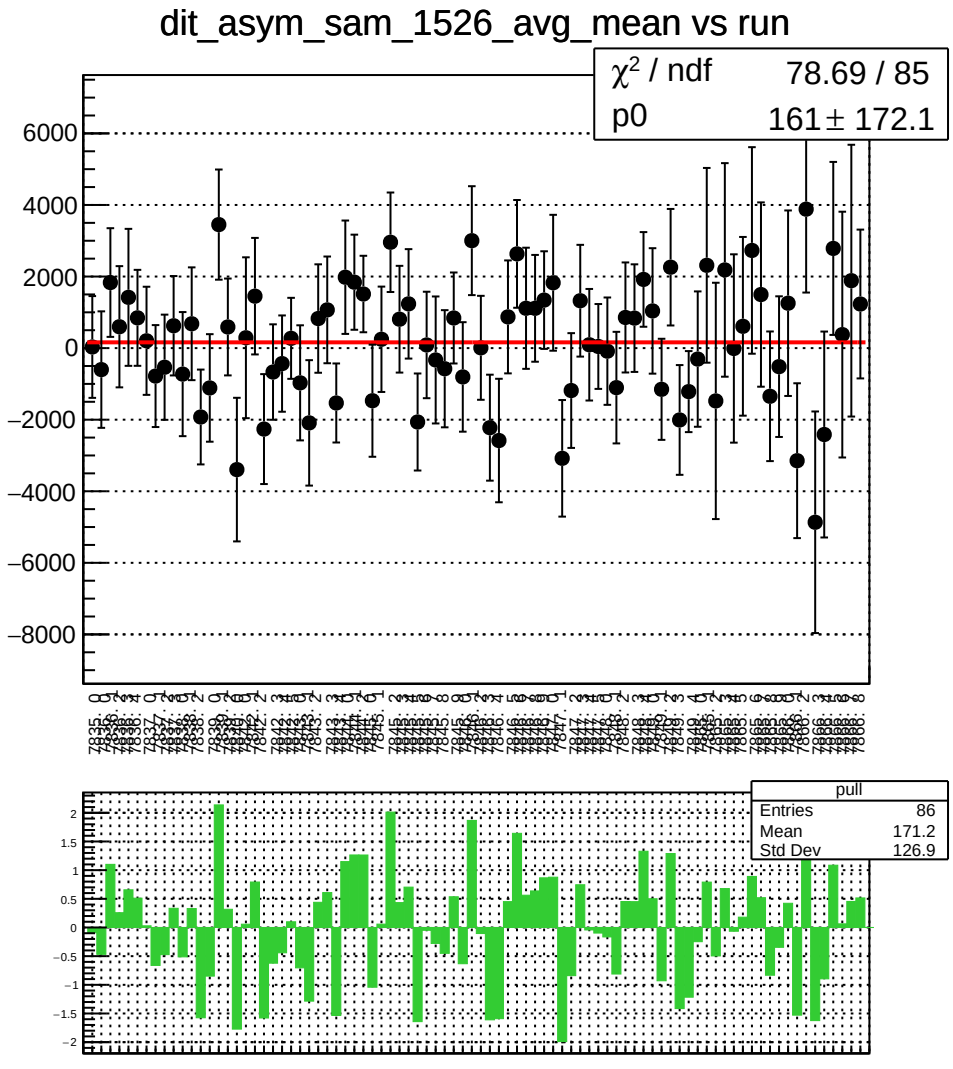

pull1D
Entries 86
Mean −0.01518
Std Dev 0.9724

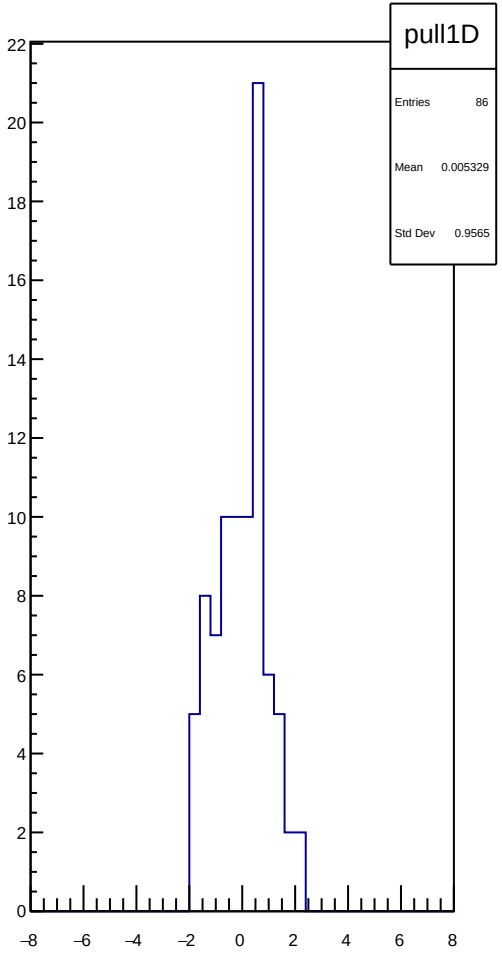

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2.151e+04 / 85
p0 2714 ± 2.107
4500
4000
3500
3000
2500

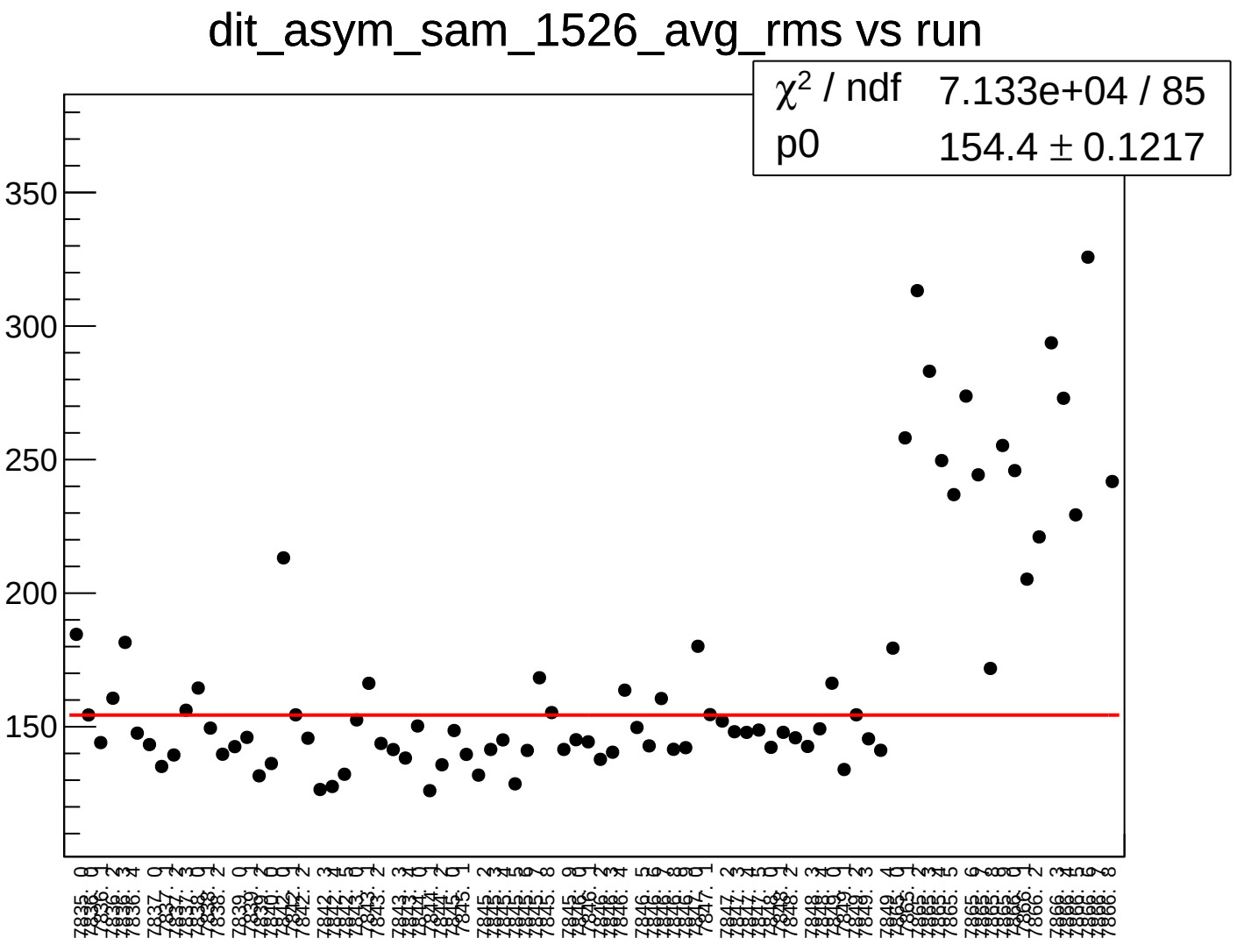

asym_sam_3748_avg_mean vs run
×10^3
χ² / ndf 80.8 / 85
p0 368.8 ± 2952
100
50
0
−50
−100
pull
Entries 86
Mean 195
Std Dev 160.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

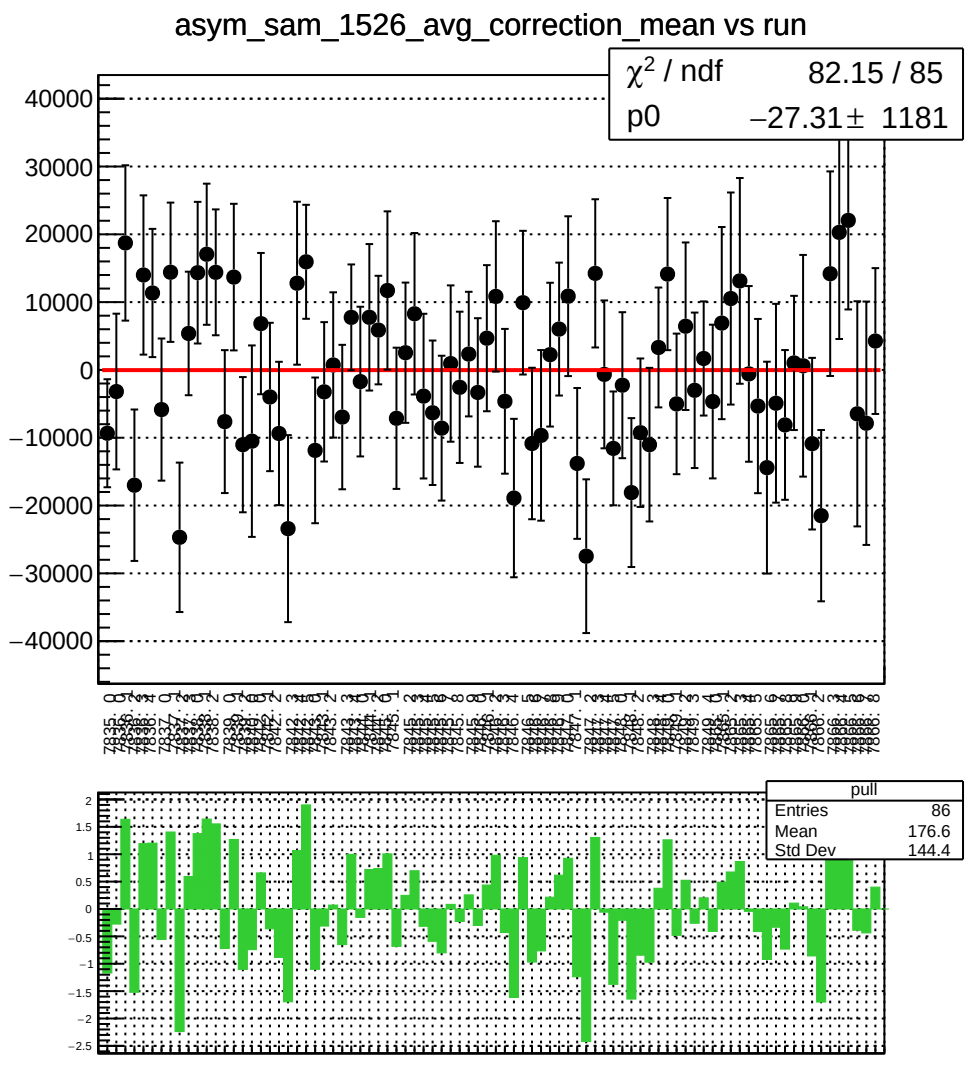

pull1D
Entries 86
Mean 0.01709
Std Dev 0.9691
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

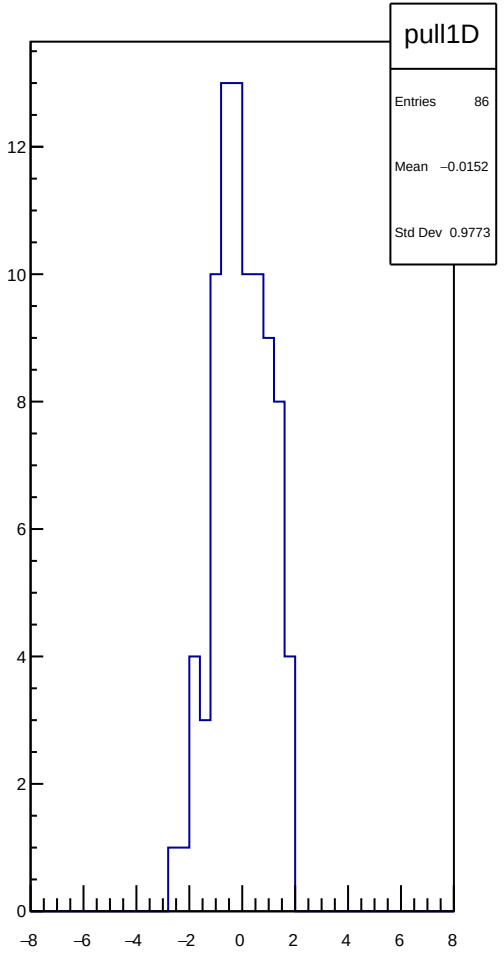

asym_sam_3748_avg_rms vs run
χ^2 / ndf 2.179e+04 / 85
p0 2688 ± 2.087
4500
4000
3500
3000
2500

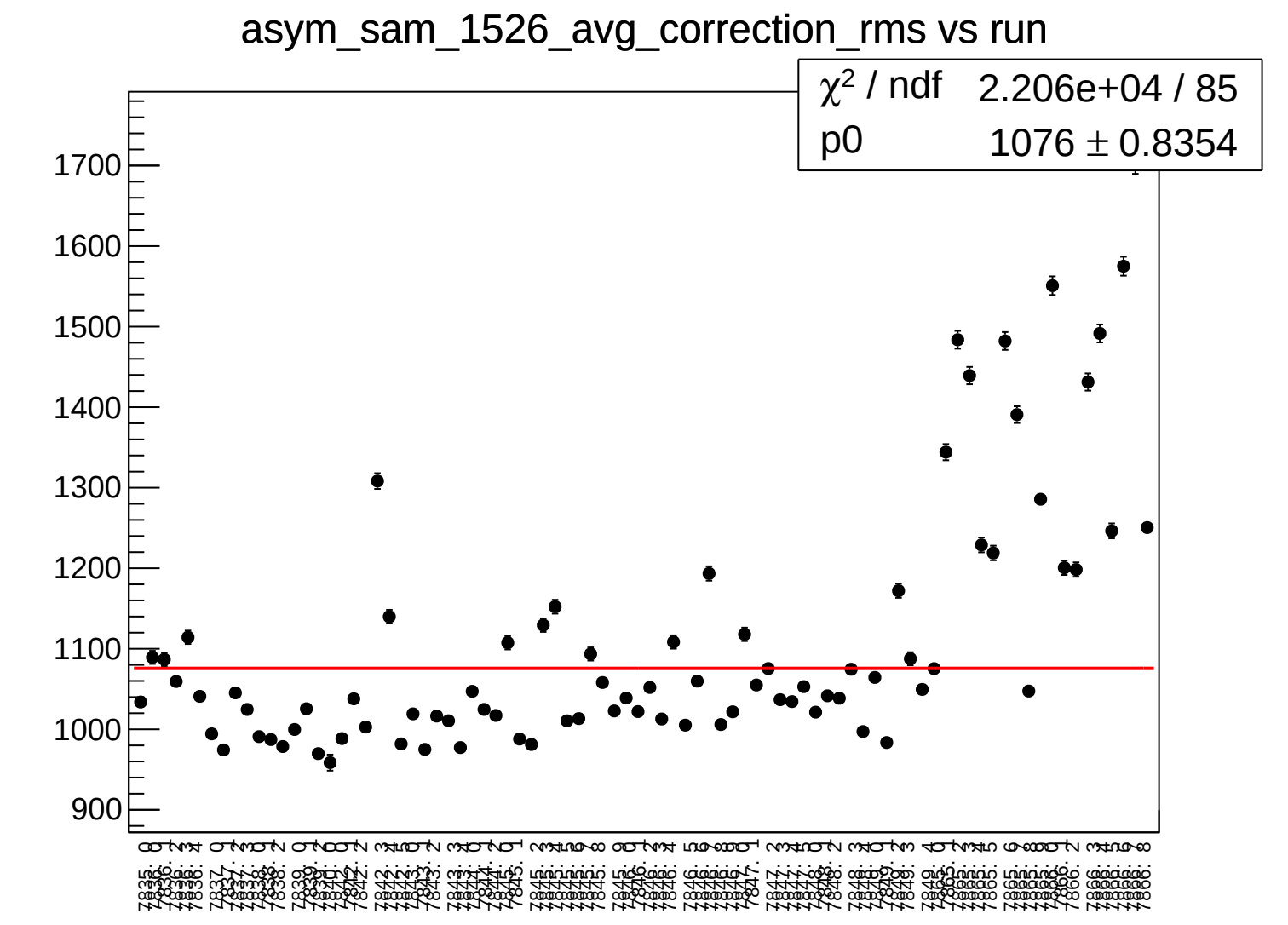

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 78.69 / 85
p0 161 ± 172.1
pull
Entries 86
Mean 171.2
Std Dev 126.9

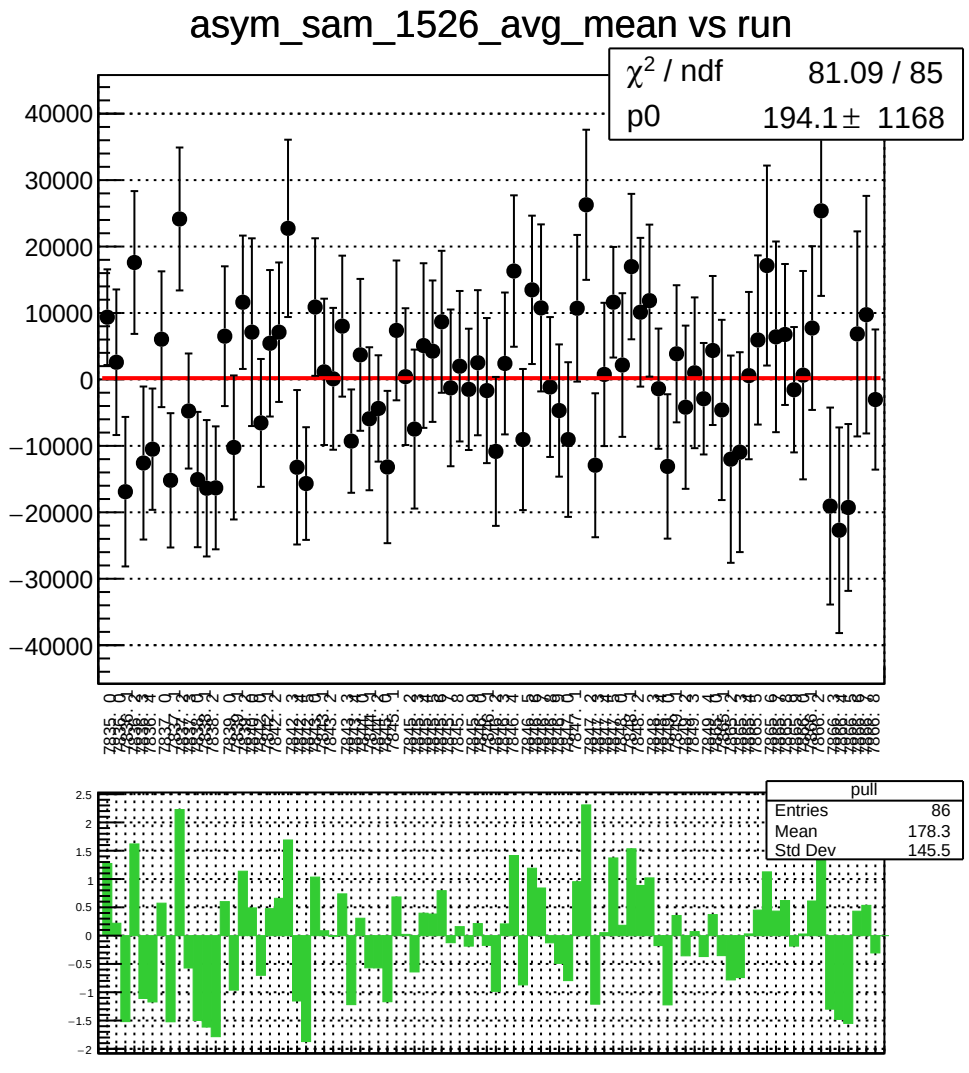

pull1D
Entries 86
Mean 0.005329
Std Dev 0.9565

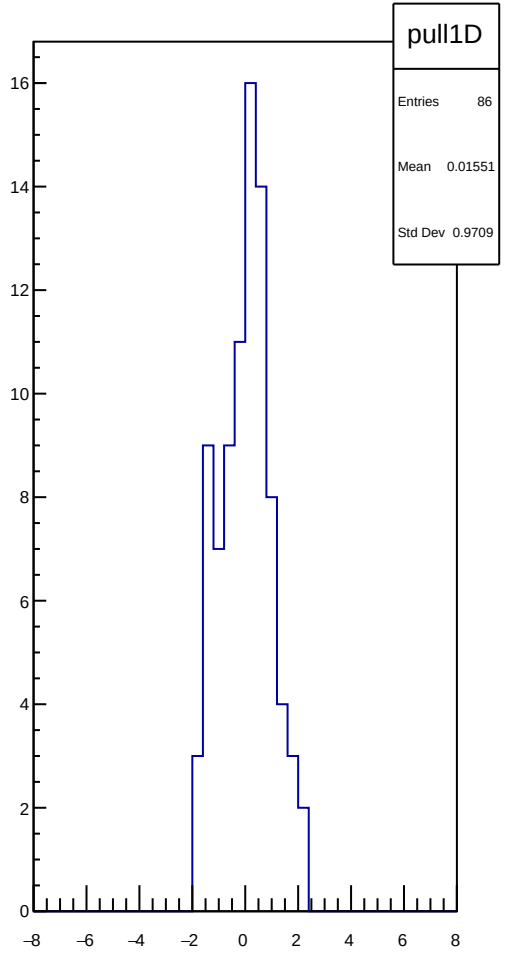

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 7.133e+04 / 85
p0 154.4 ± 0.1217
350
300
250
200
150

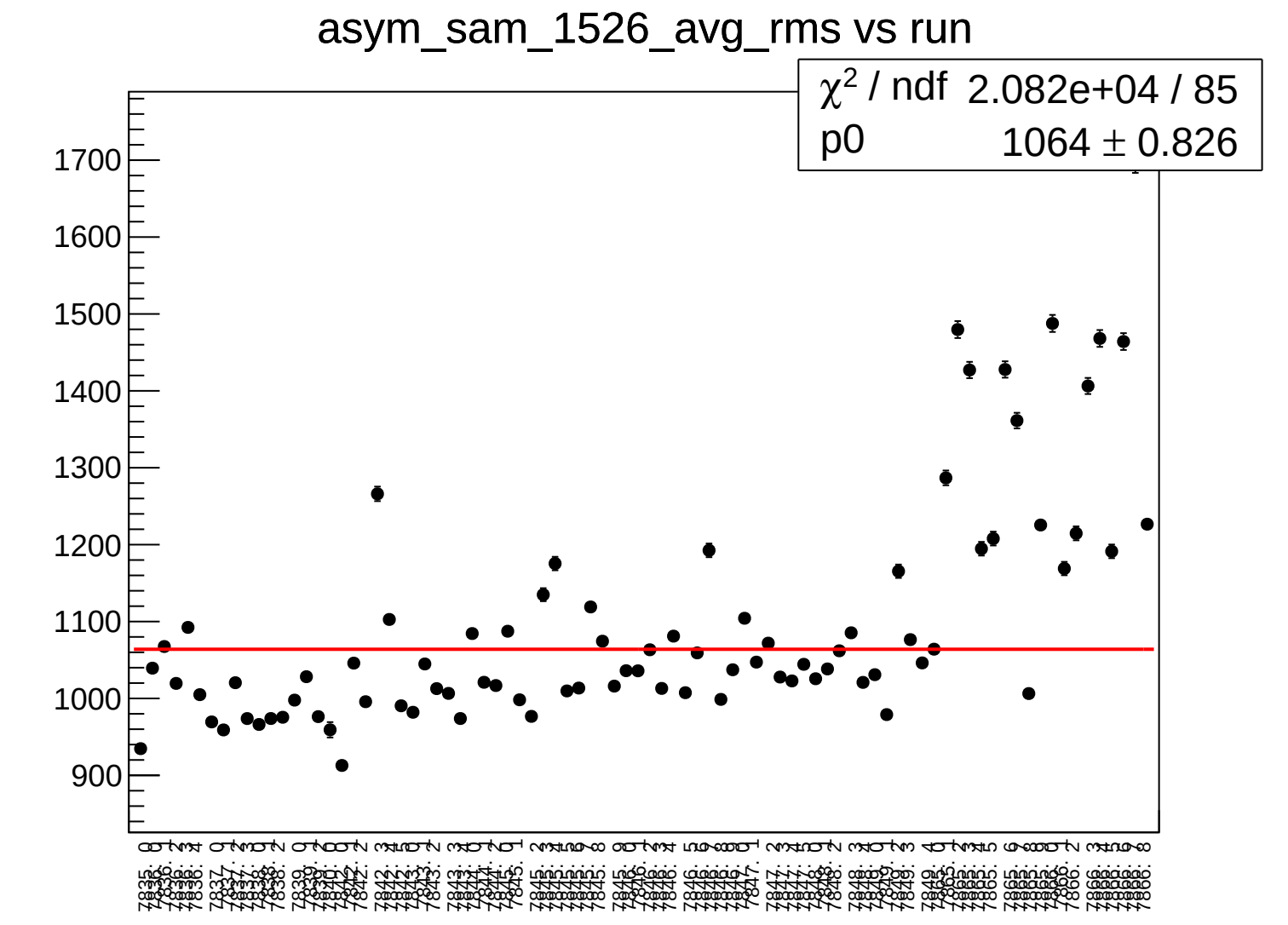

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 82.15 / 85
p0 −27.31± 1181
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 86
Mean 176.6
Std Dev 144.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

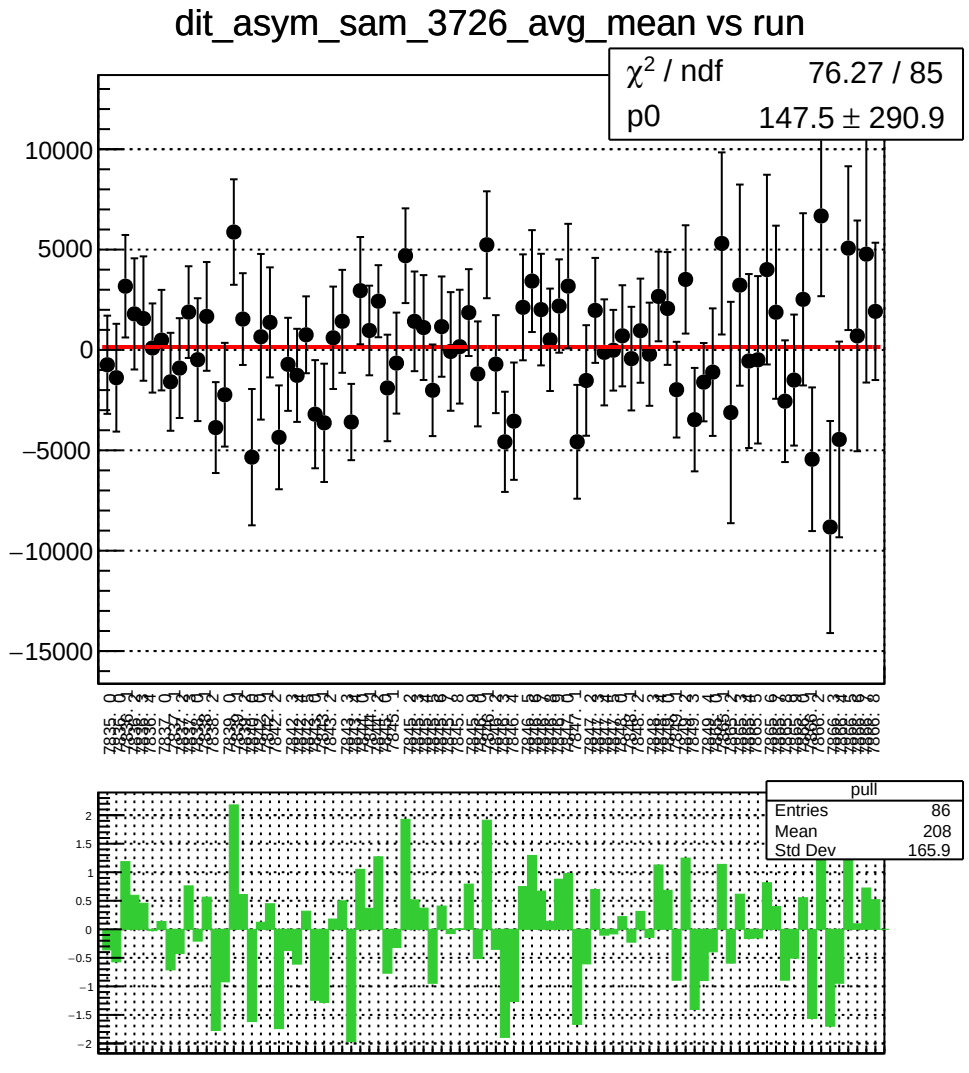

pull1D
Entries 86
Mean −0.0152
Std Dev 0.9773
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

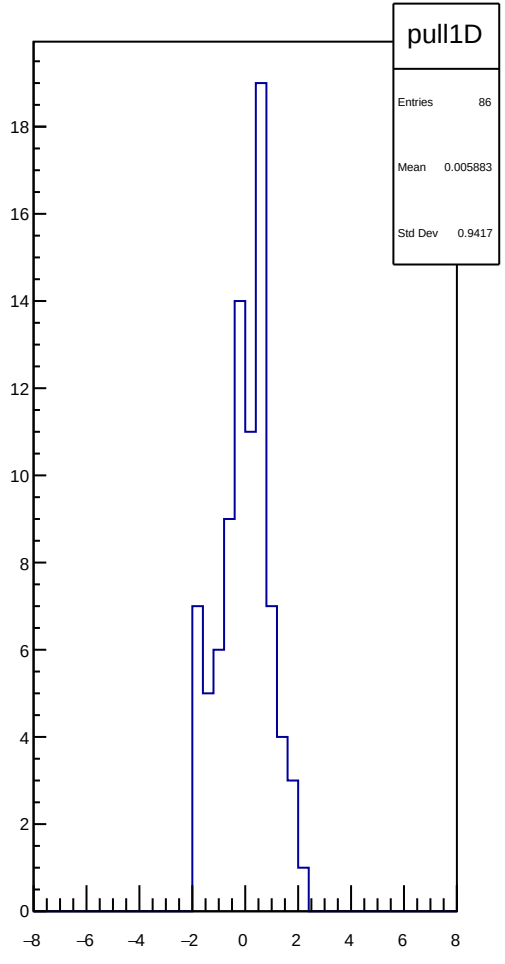

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2.206e+04 / 85
p0 1076 ± 0.8354
1700
1600
1500
1400
1300
1200
1100
1000
900

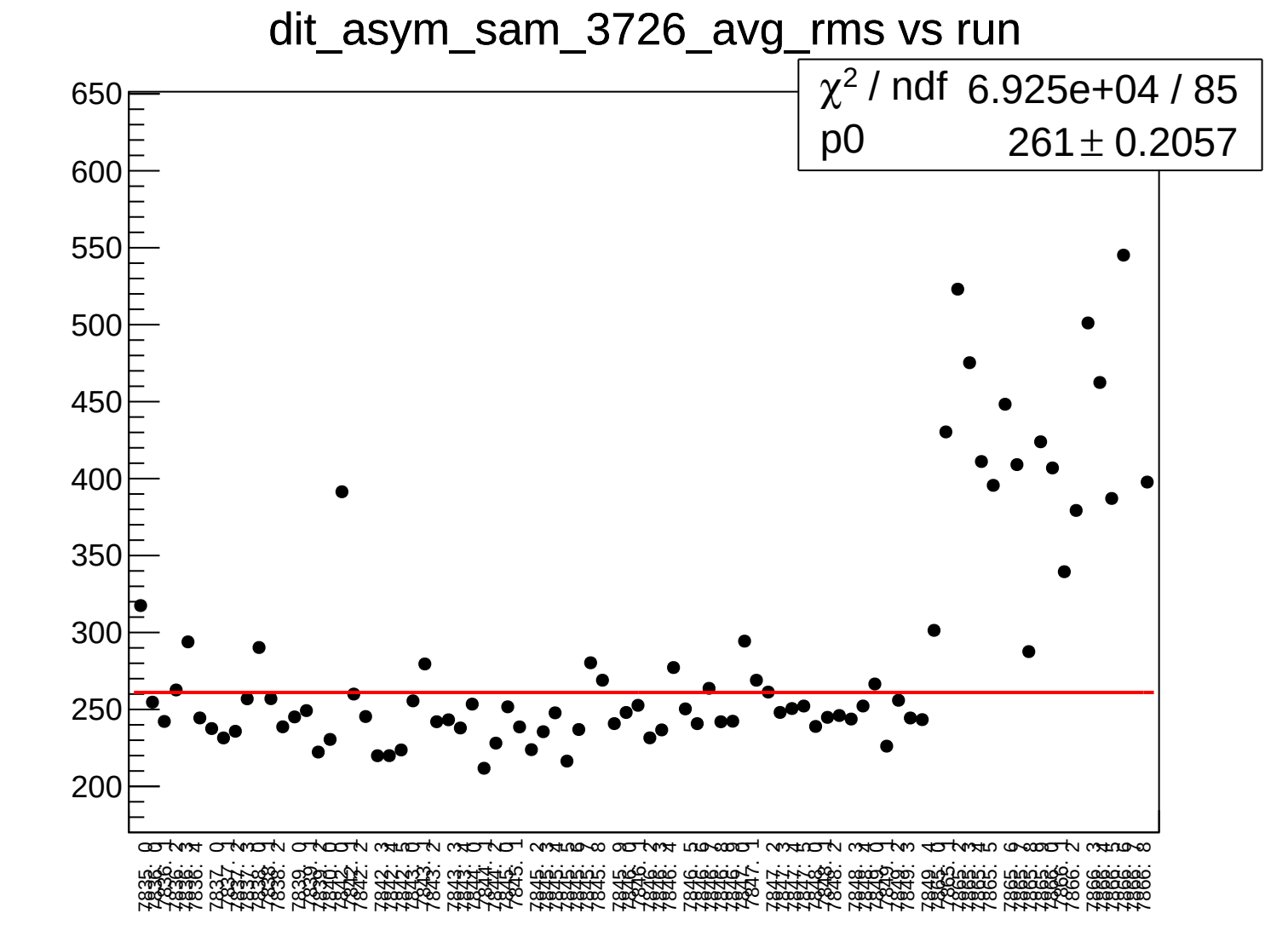

asym_sam_1526_avg_mean vs run
χ² / ndf 81.09 / 85
p0 194.1± 1168
pull
Entries 86
Mean 178.3
Std Dev 145.5

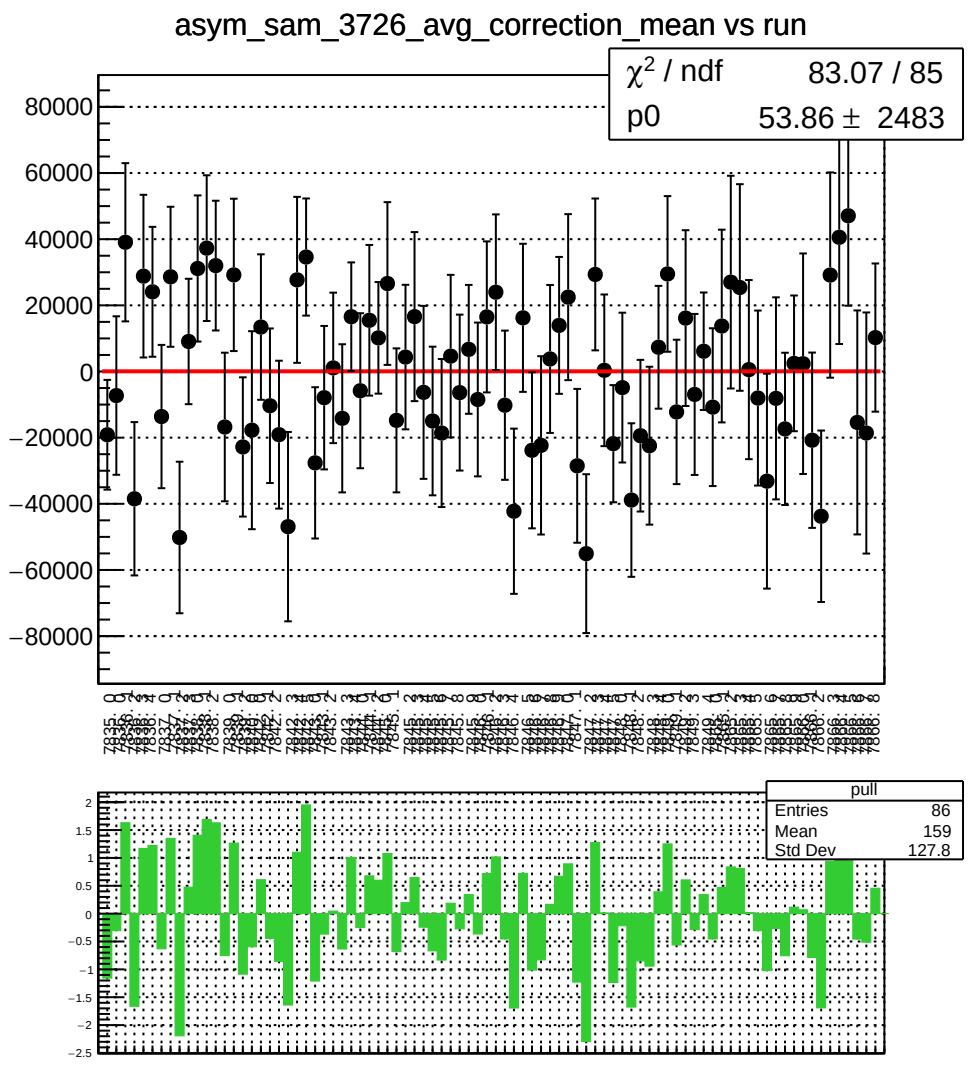

pull1D
Entries 86
Mean 0.01551
Std Dev 0.9709

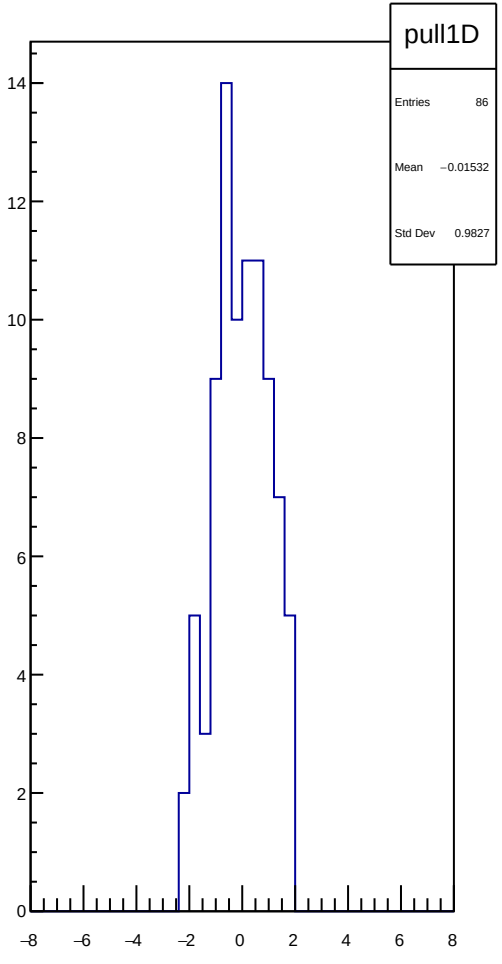

asym_sam_1526_avg_rms vs run
χ^2 / ndf 2.082e+04 / 85
p0 1064 ± 0.826
1700
1600
1500
1400
1300
1200
1100
1000
900

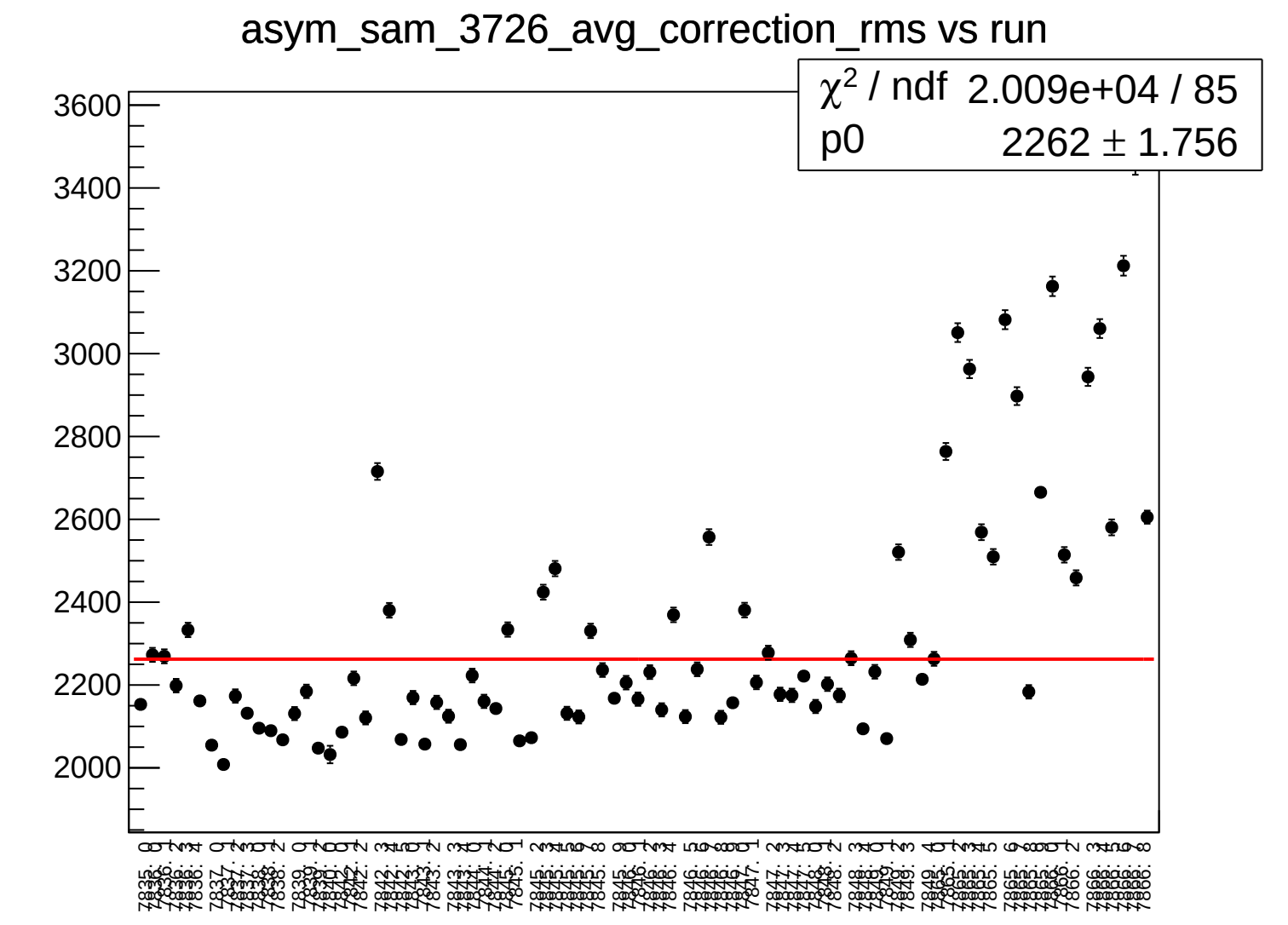

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 76.27 / 85
p0 147.5 ± 290.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 208
Std Dev 165.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

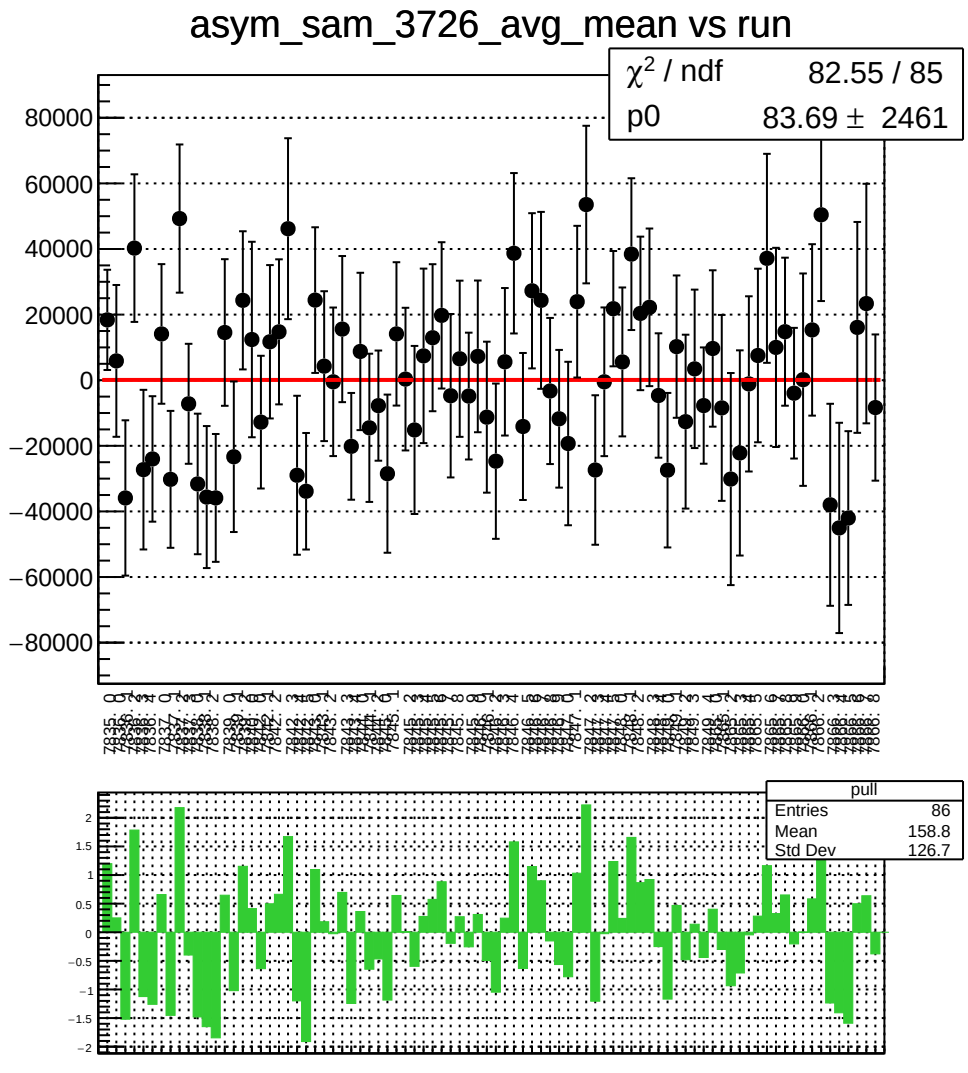

pull1D
Entries 86
Mean 0.005883
Std Dev 0.9417
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

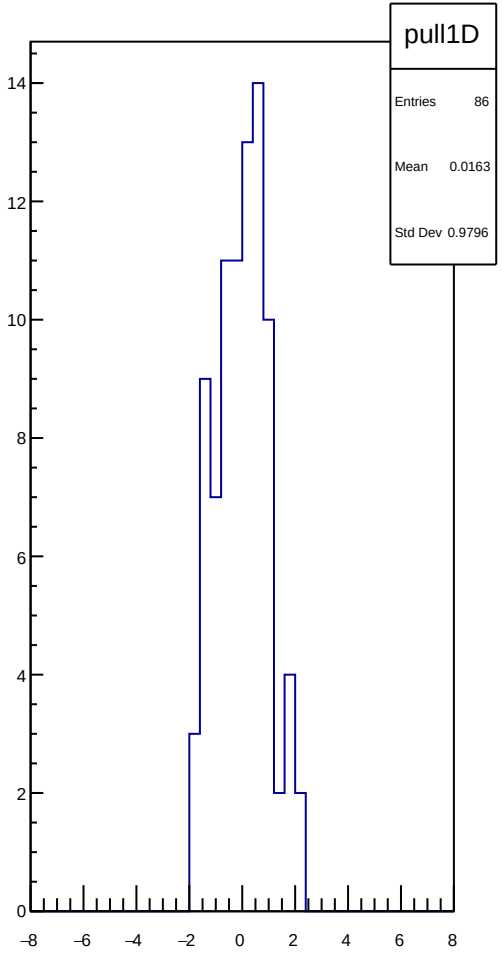

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 6.925e+04 / 85
p0 261 ± 0.2057
650
600
550
500
450
400
350
300
250
200

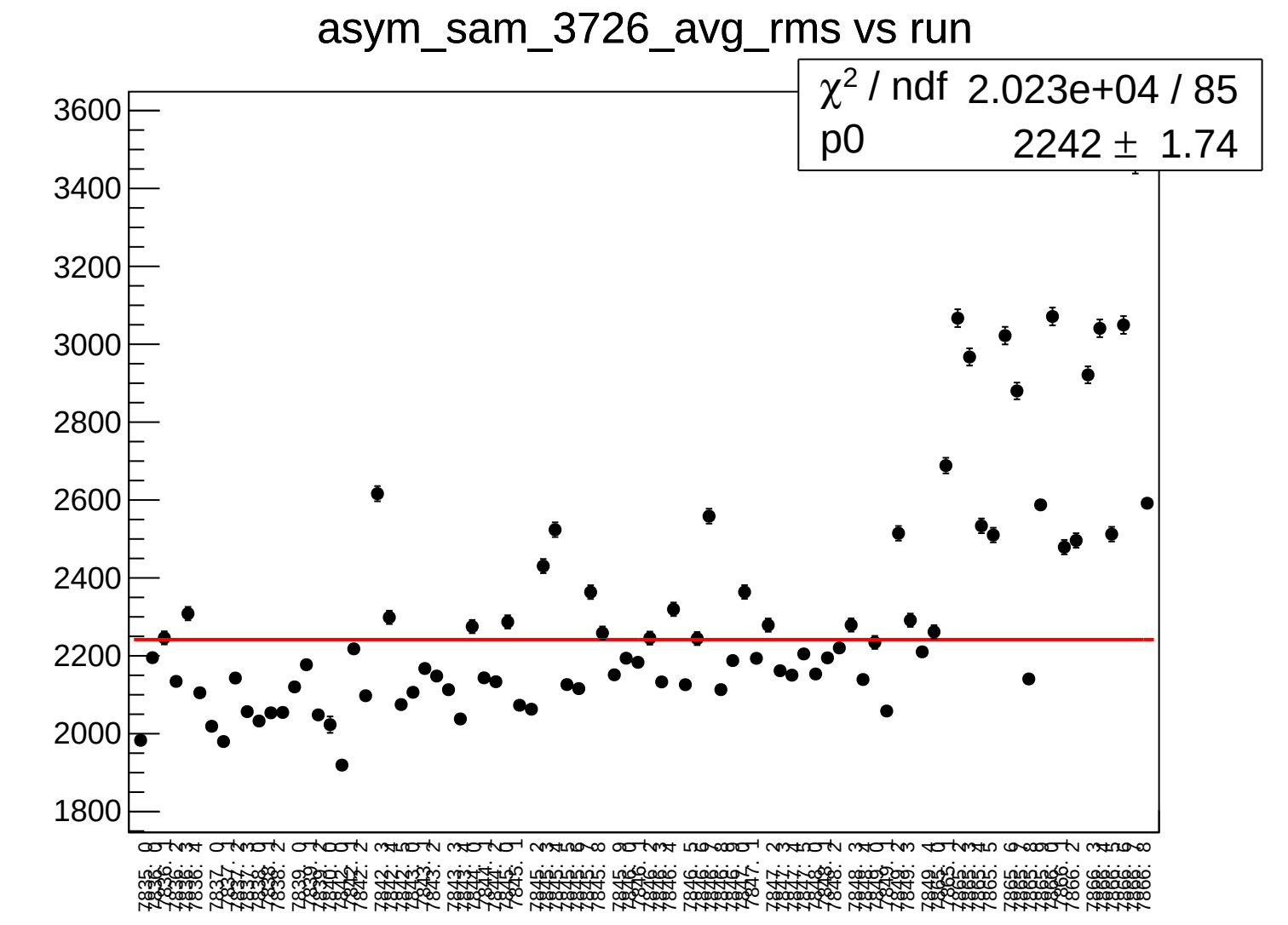

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 83.07 / 85
p0 53.86 ± 2483
pull
Entries 86
Mean 159
Std Dev 127.8

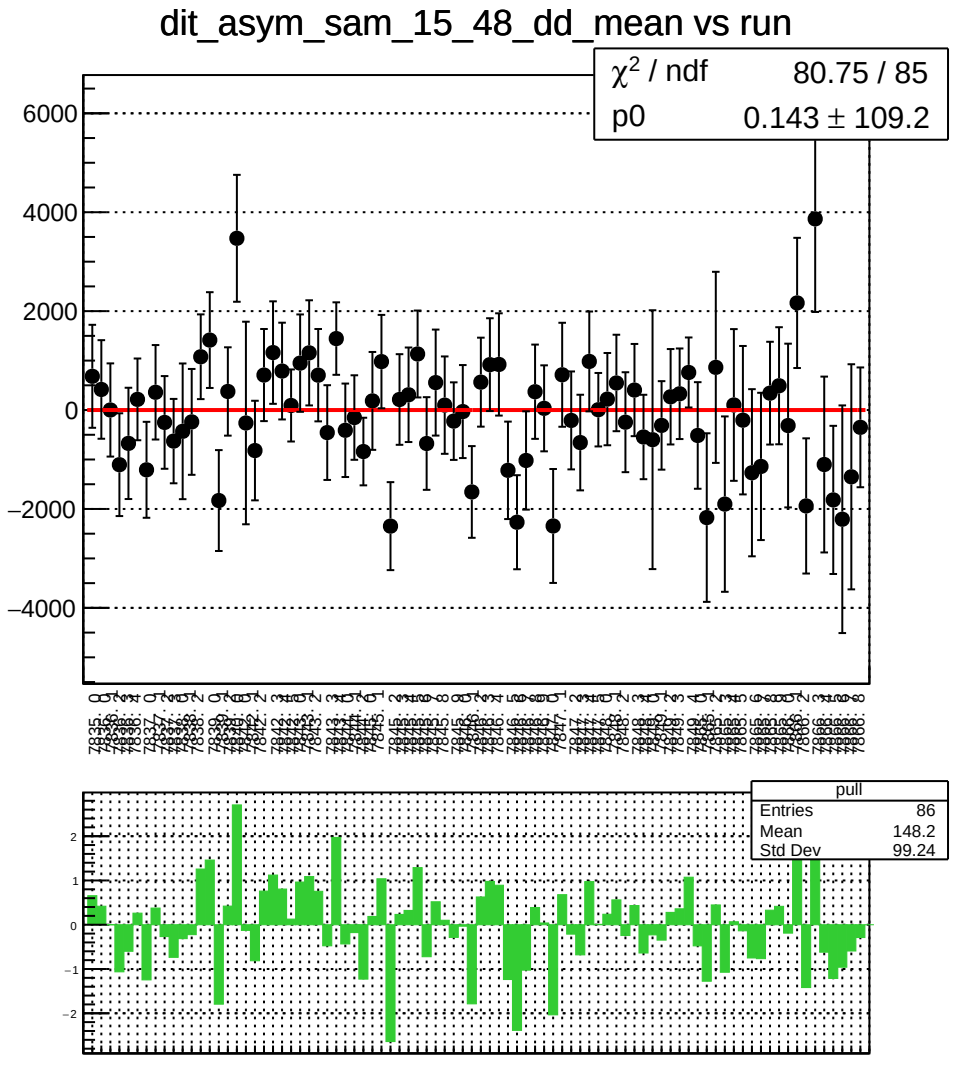

pull1D
Entries 86
Mean −0.01532
Std Dev 0.9827

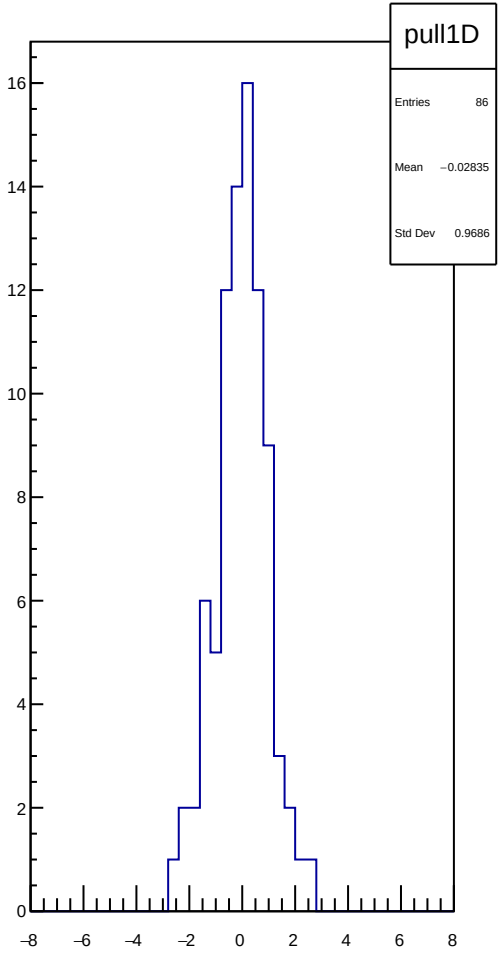

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2.009e+04 / 85
p0 2262 ± 1.756
3600
3400
3200
3000
2800
2600
2400
2200
2000

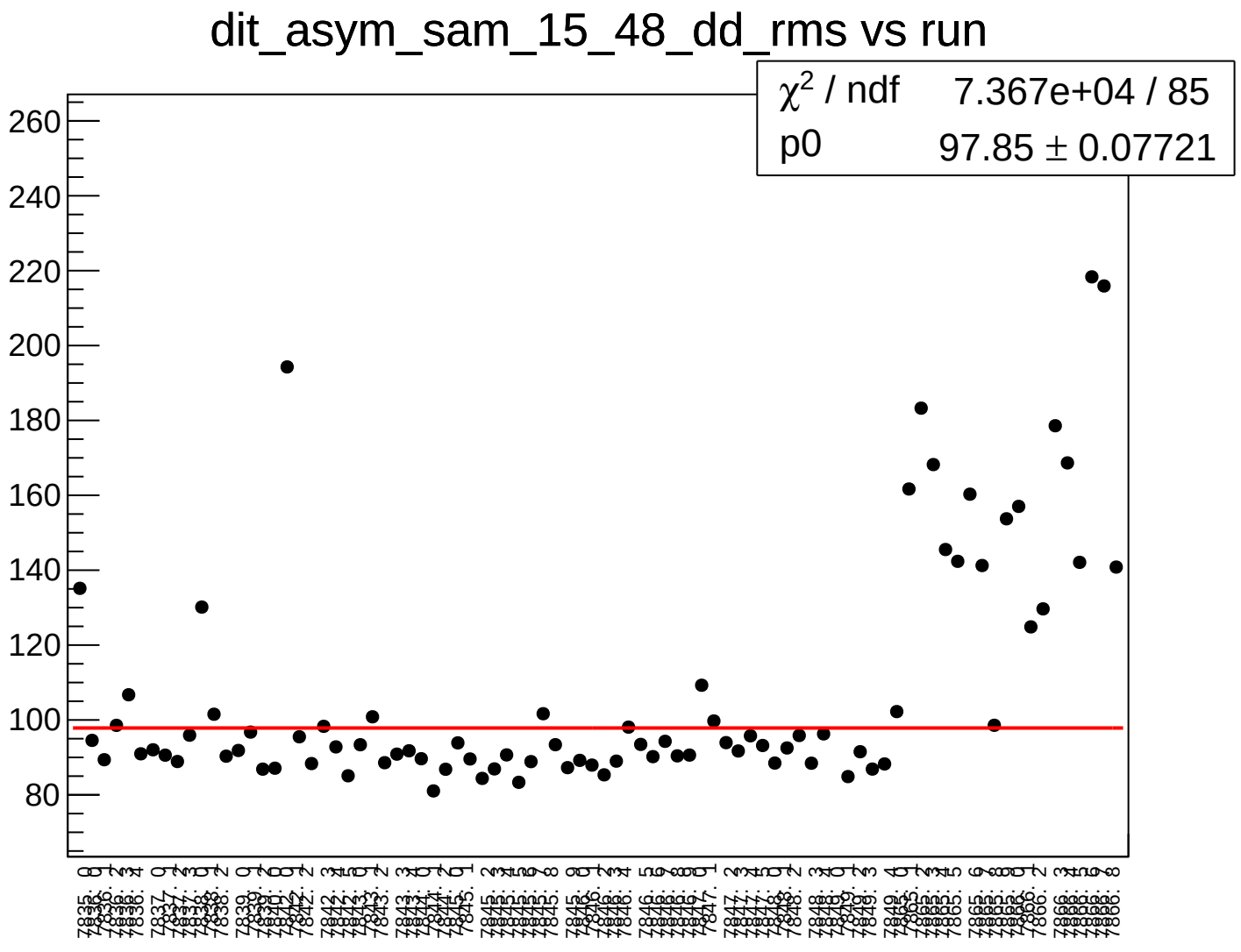

asym_sam_3726_avg_mean vs run
χ^2 / ndf 82.55 / 85
p0 83.69 ± 2461
pull
Entries 86
Mean 158.8
Std Dev 126.7

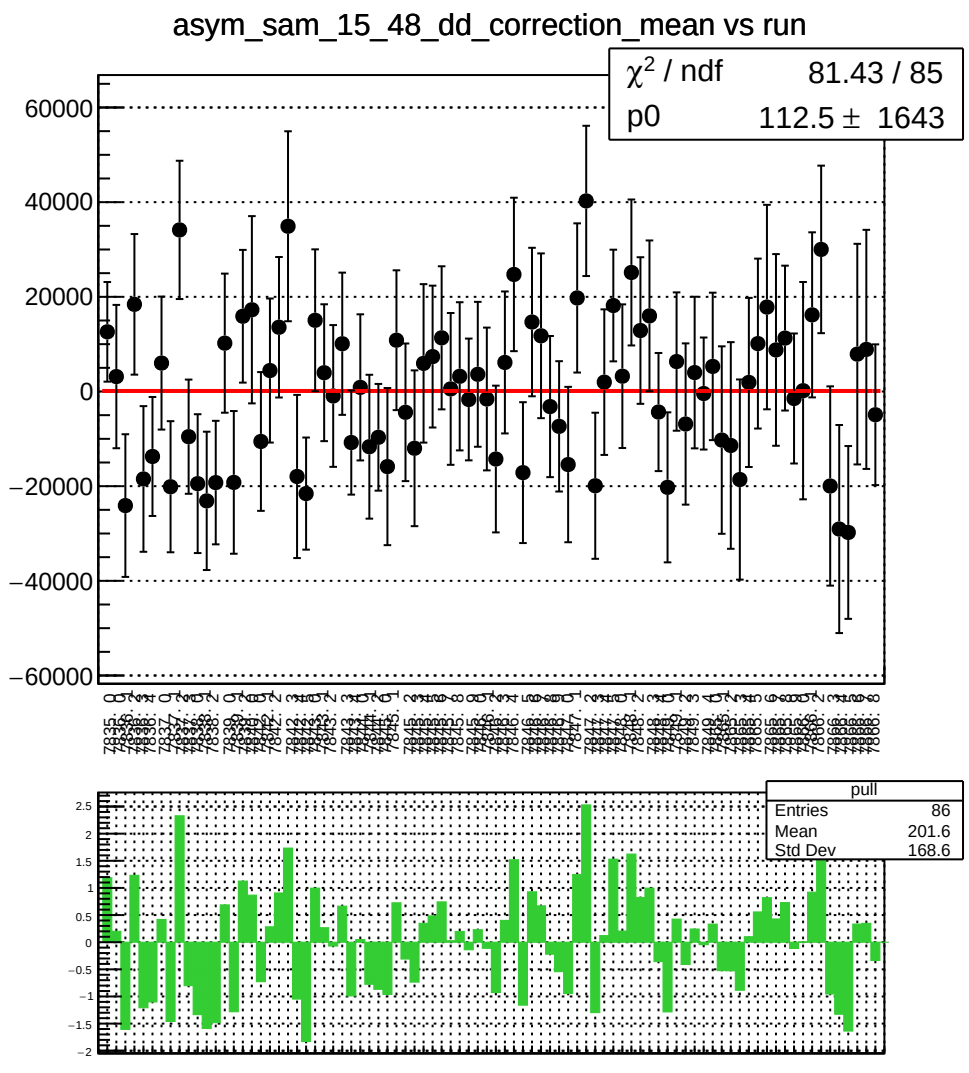

pull1D
Entries 86
Mean 0.0163
Std Dev 0.9796

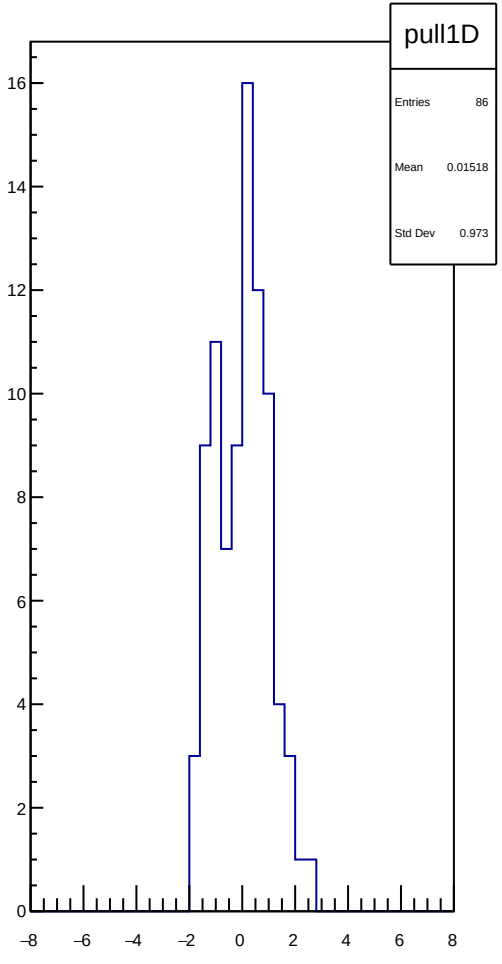

asym_sam_3726_avg_rms vs run
χ² / ndf 2.023e+04 / 85
p0 2242 ± 1.74
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

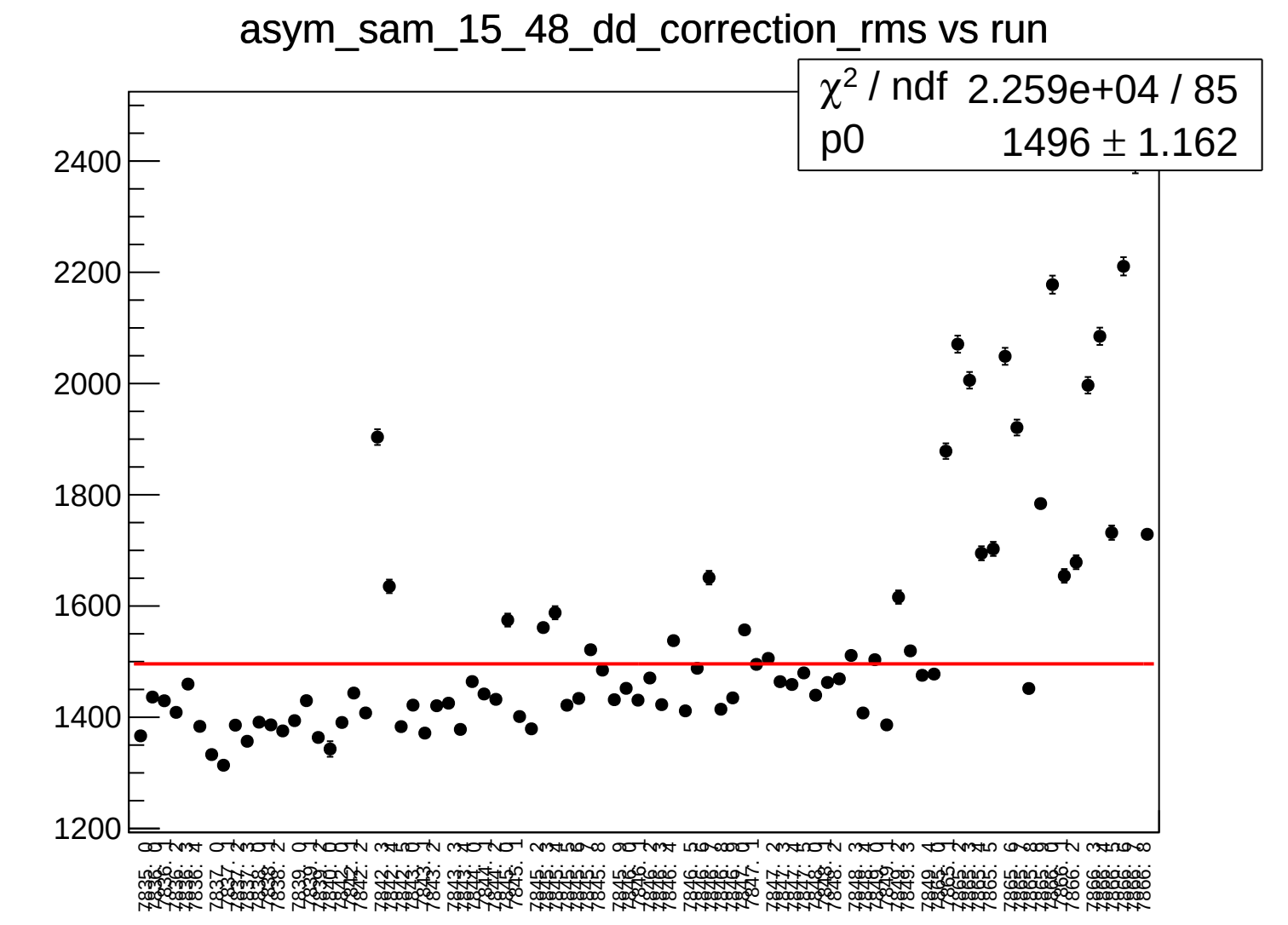

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 80.75 / 85
p0 0.143 ± 109.2
6000
4000
2000
0
−2000
−4000
pull
Entries 86
Mean 148.2
Std Dev 99.24
2
1
0
−1
−2

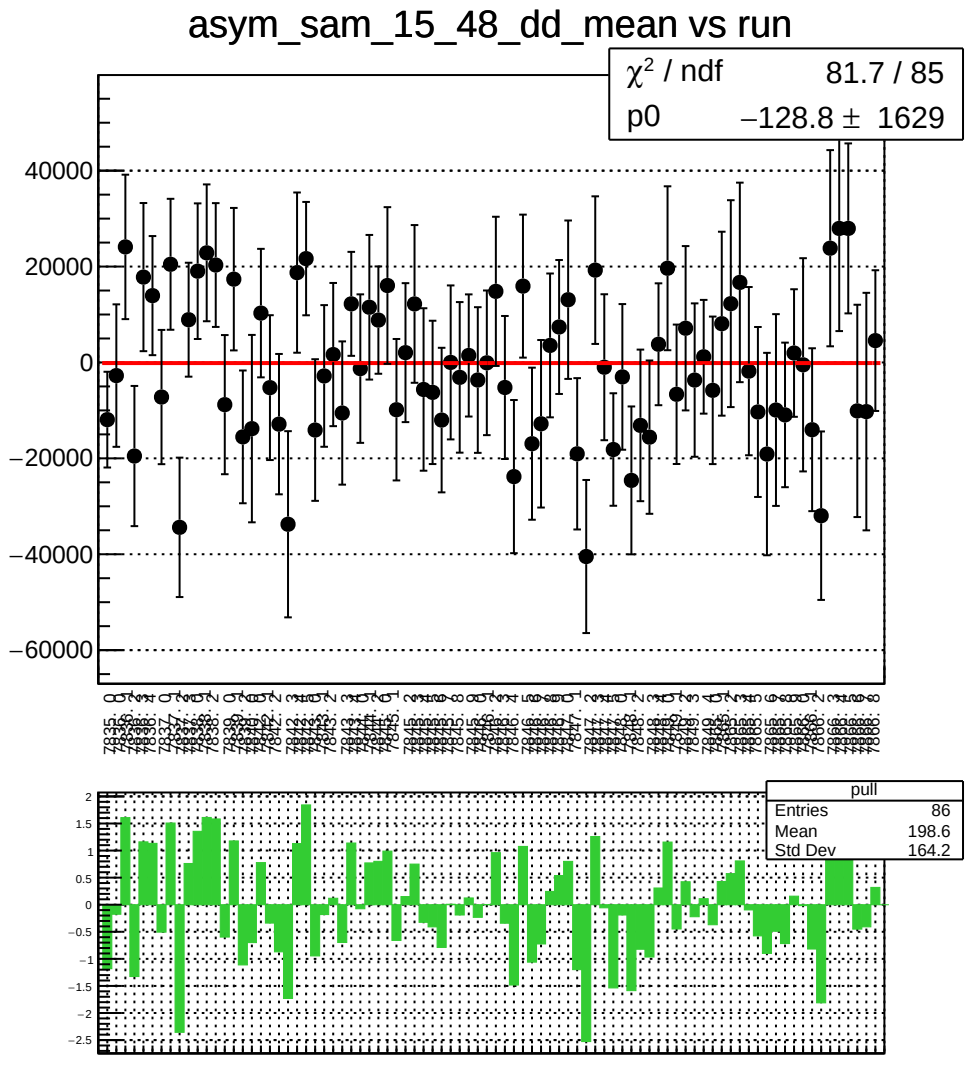

pull1D
Entries 86
Mean −0.02835
Std Dev 0.9686
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

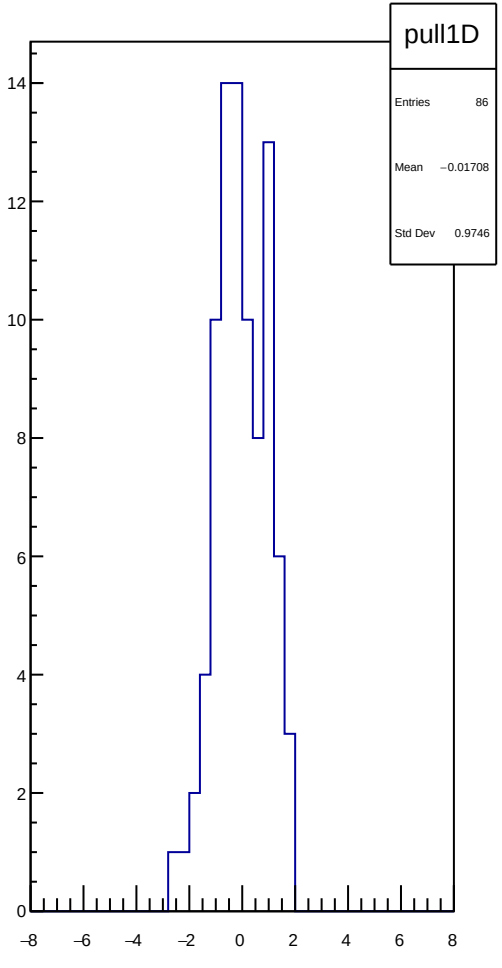

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 7.367e+04 / 85
p0 97.85 ± 0.07721
260
240
220
200
180
160
140
120
100
80

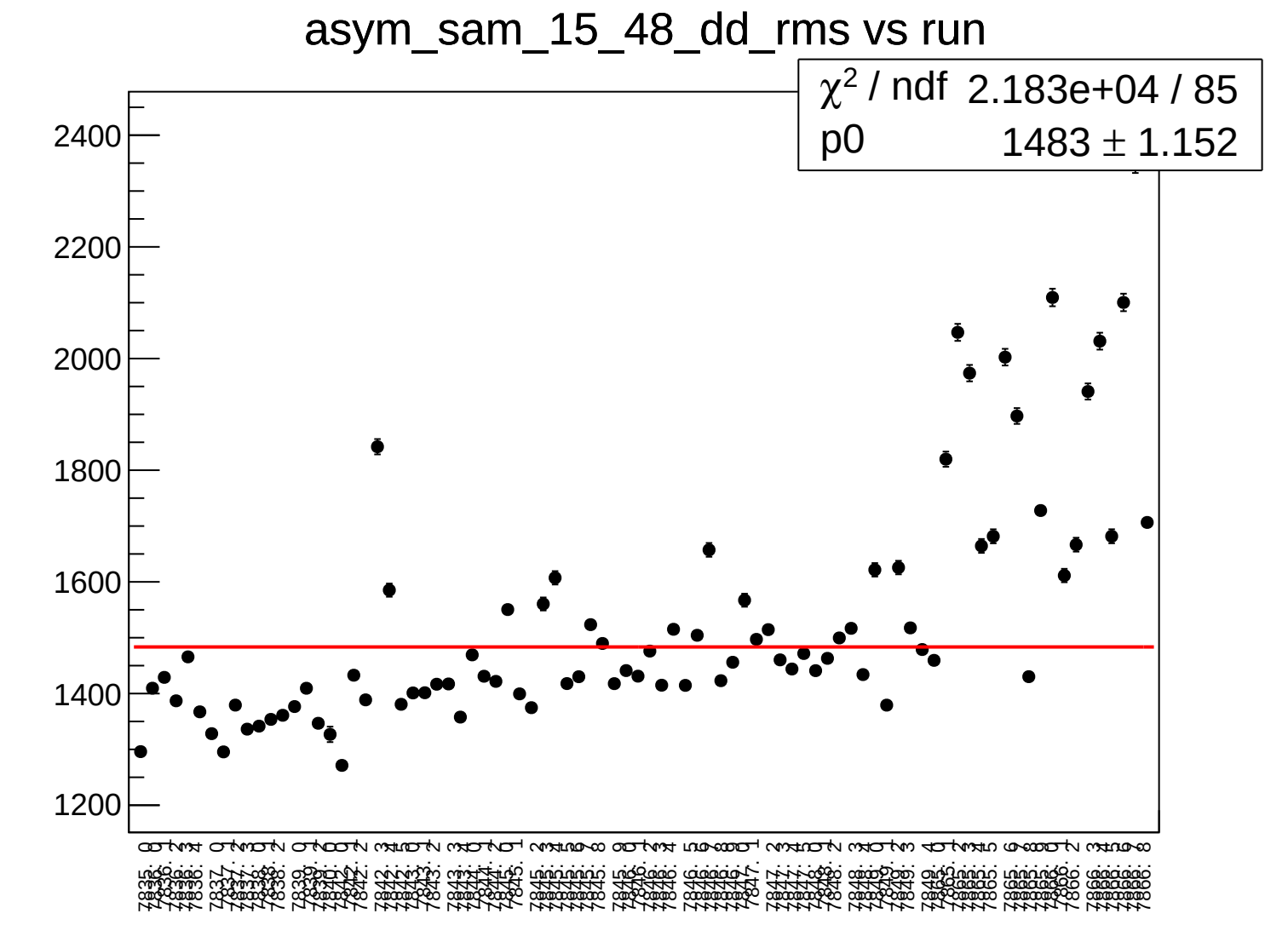

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 81.43 / 85
p0 112.5 ± 1643
pull
Entries 86
Mean 201.6
Std Dev 168.6

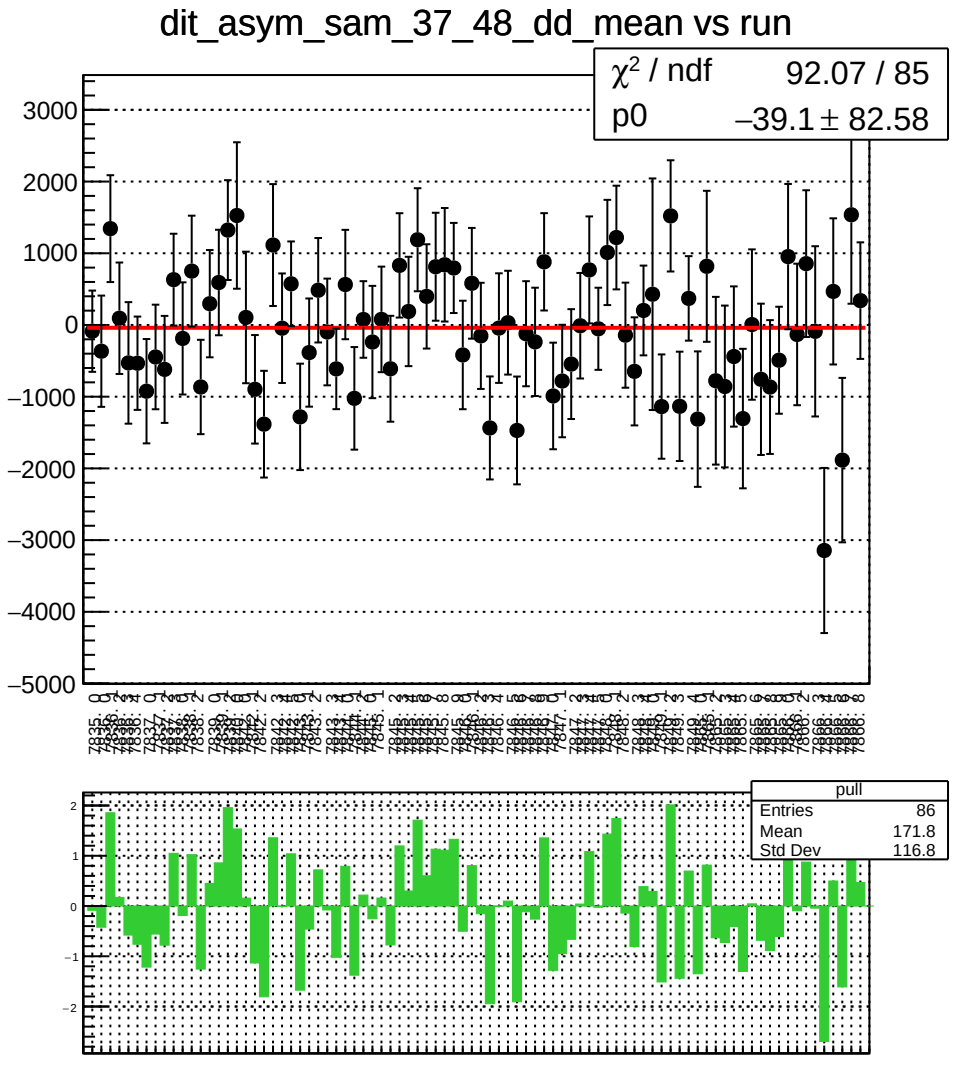

pull1D
Entries 86
Mean 0.01518
Std Dev 0.973

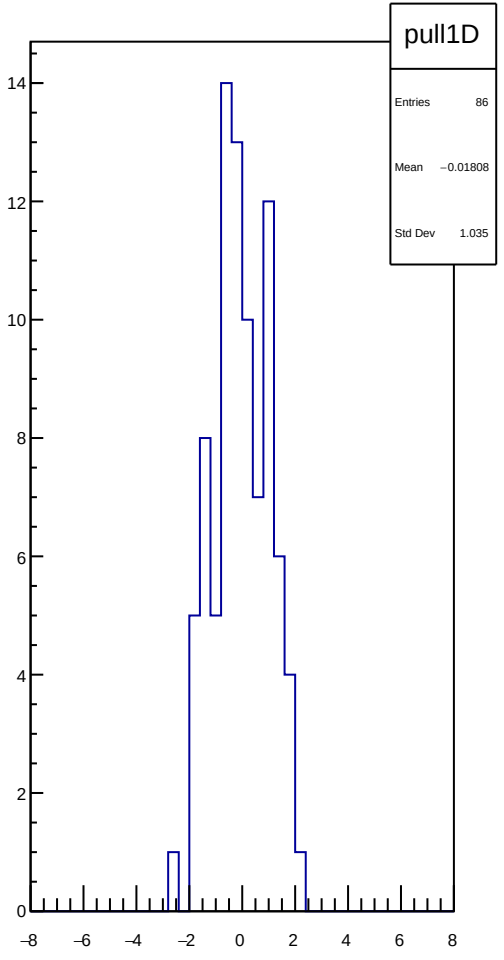

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2.259e+04 / 85
p0 1496 ± 1.162
2400
2200
2000
1800
1600
1400
1200

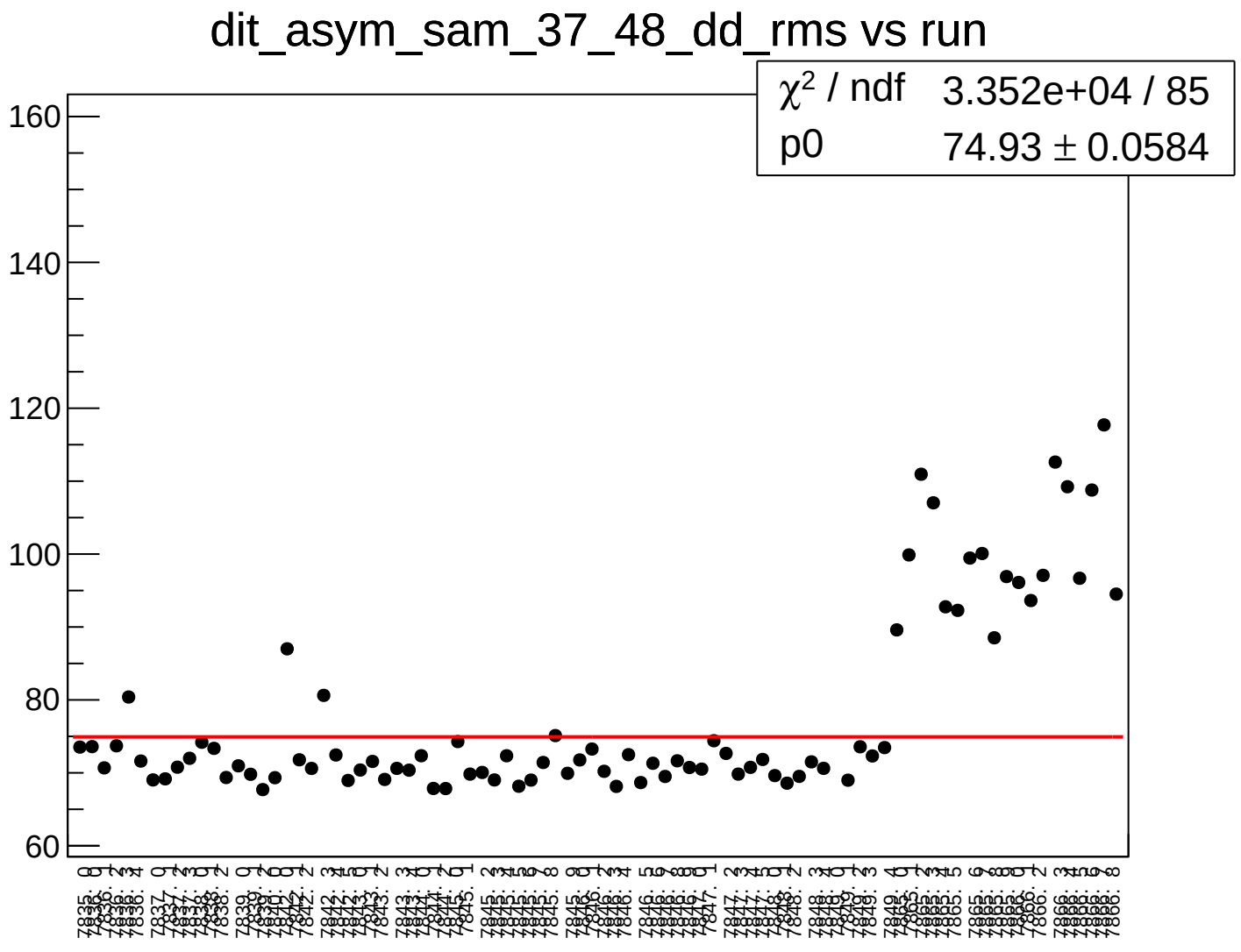

asym_sam_15_48_dd_mean vs run
χ² / ndf 81.7 / 85
p0 −128.8 ± 1629
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 198.6
Std Dev 164.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

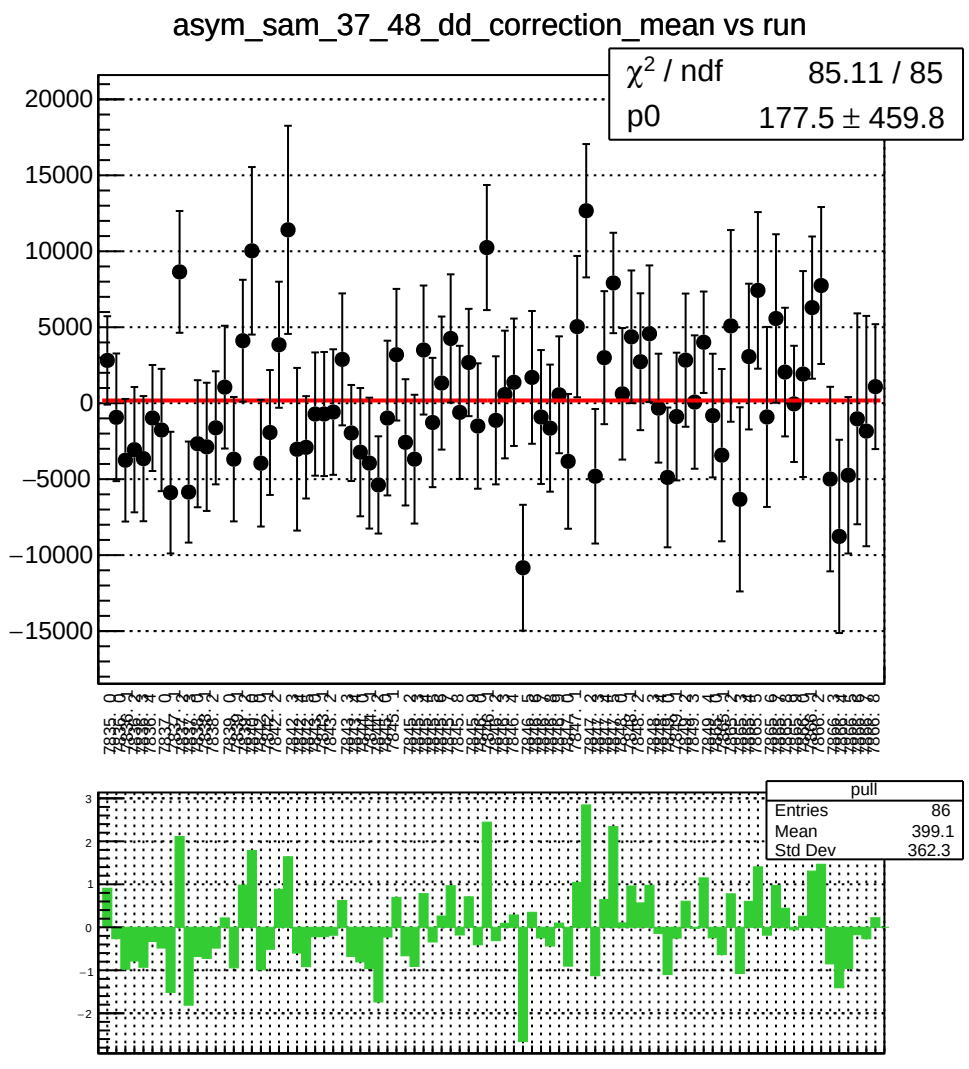

pull1D
Entries 86
Mean −0.01708
Std Dev 0.9746
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

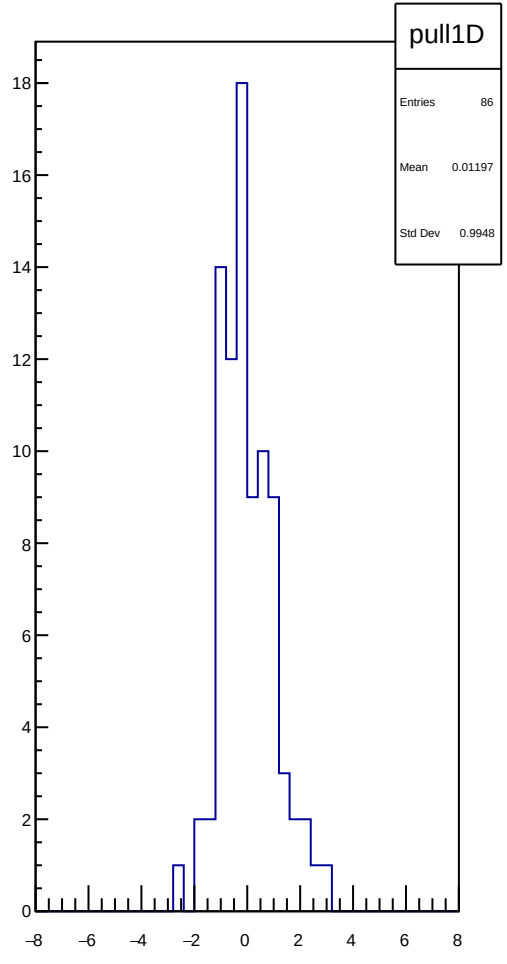

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.183e+04 / 85
p0 1483 ± 1.152
2400
2200
2000
1800
1600
1400
1200

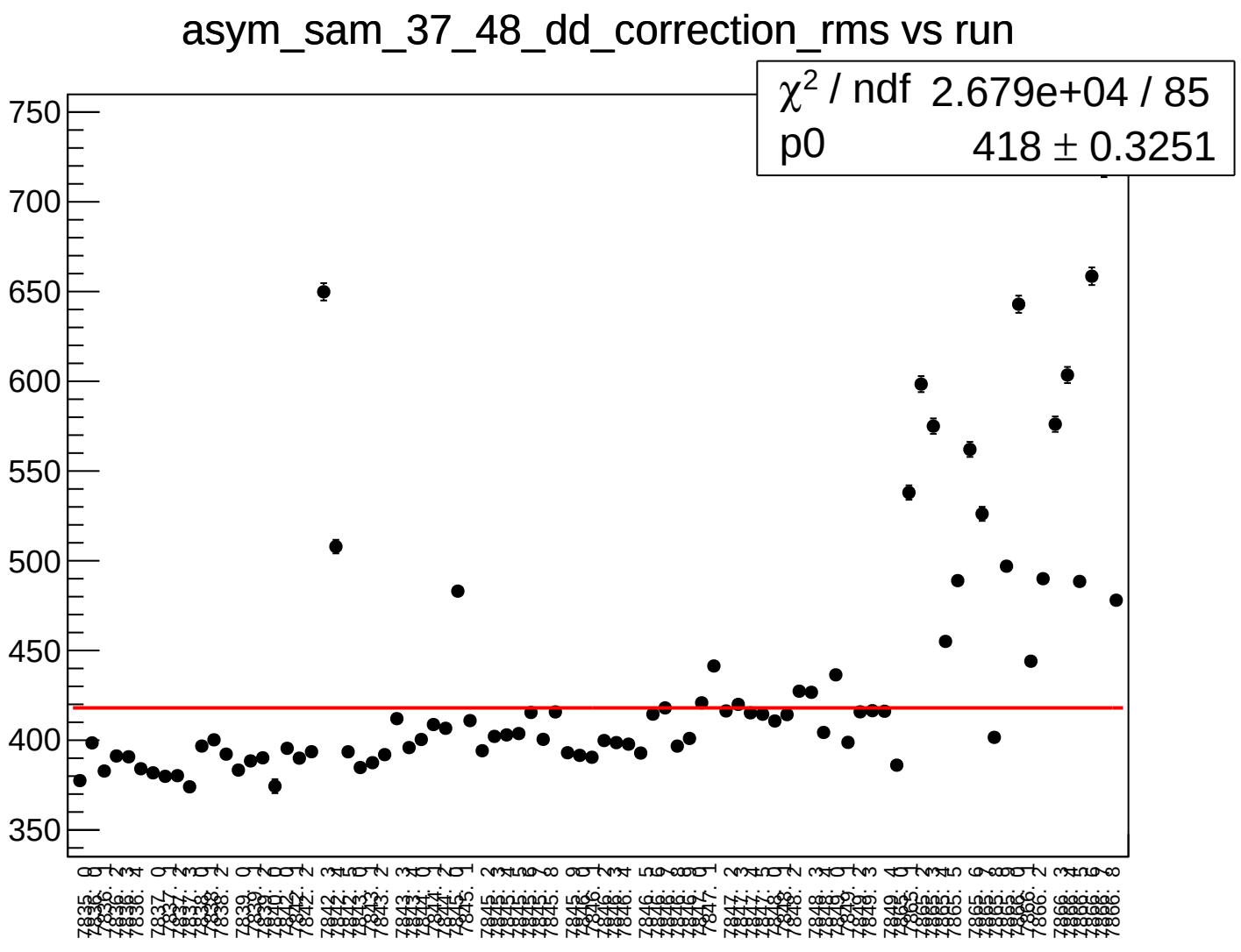

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 92.07 / 85
p0 −39.1 ± 82.58
pull
Entries 86
Mean 171.8
Std Dev 116.8

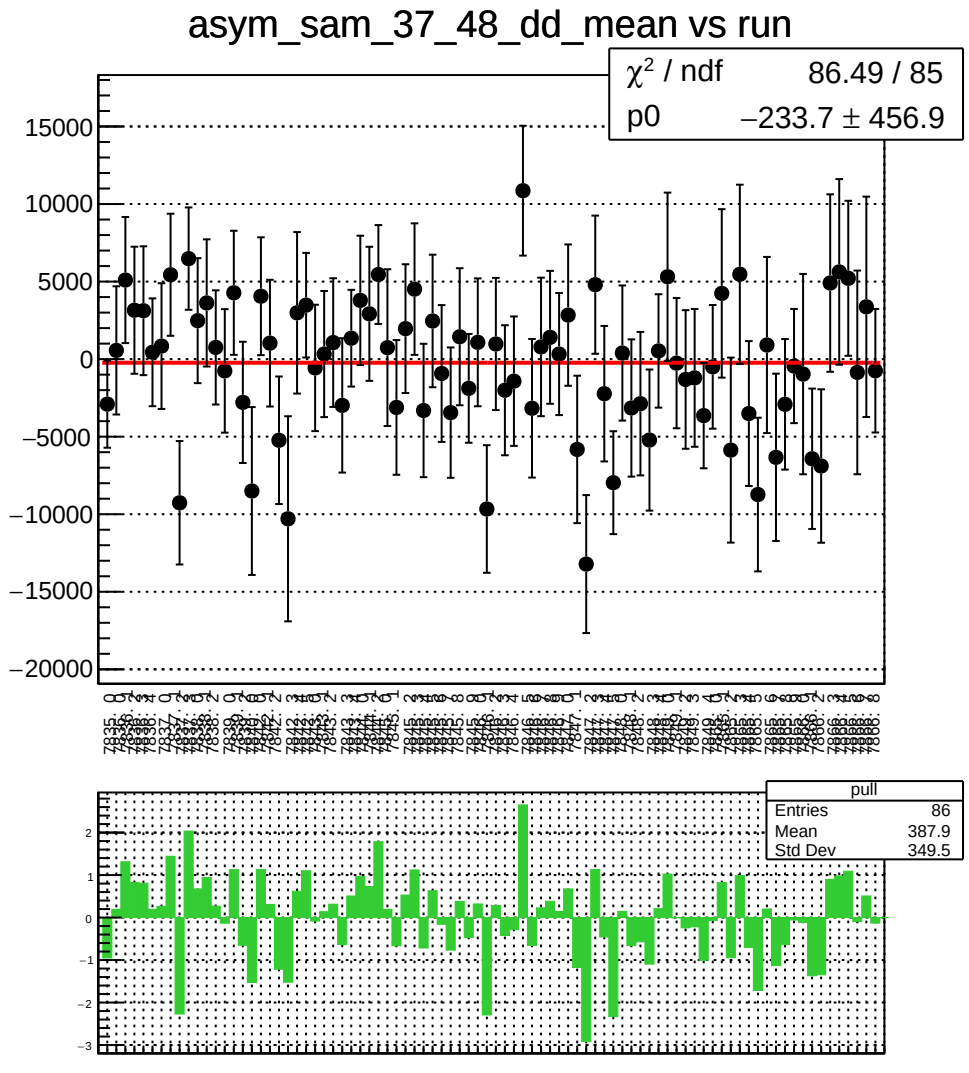

pull1D
Entries 86
Mean −0.01808
Std Dev 1.035

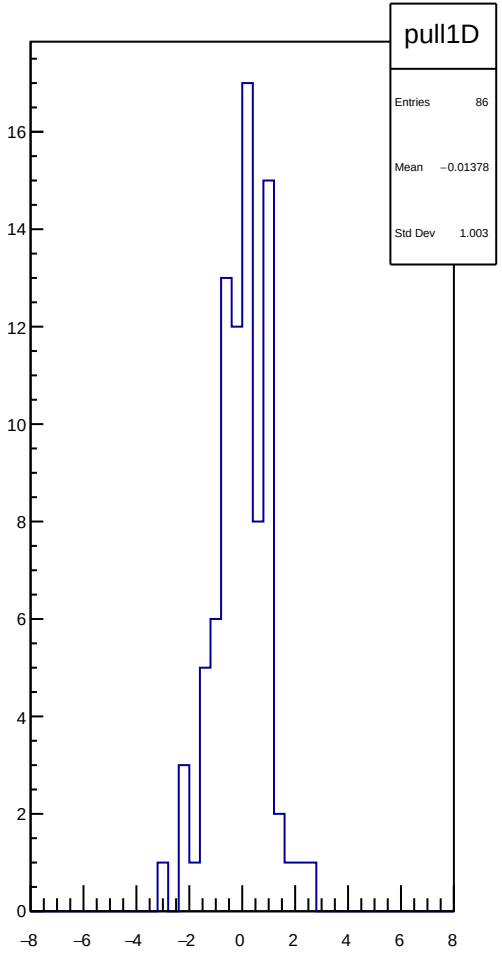

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 3.352e+04 / 85
p0 74.93 ± 0.0584
160
140
120
100
80
60

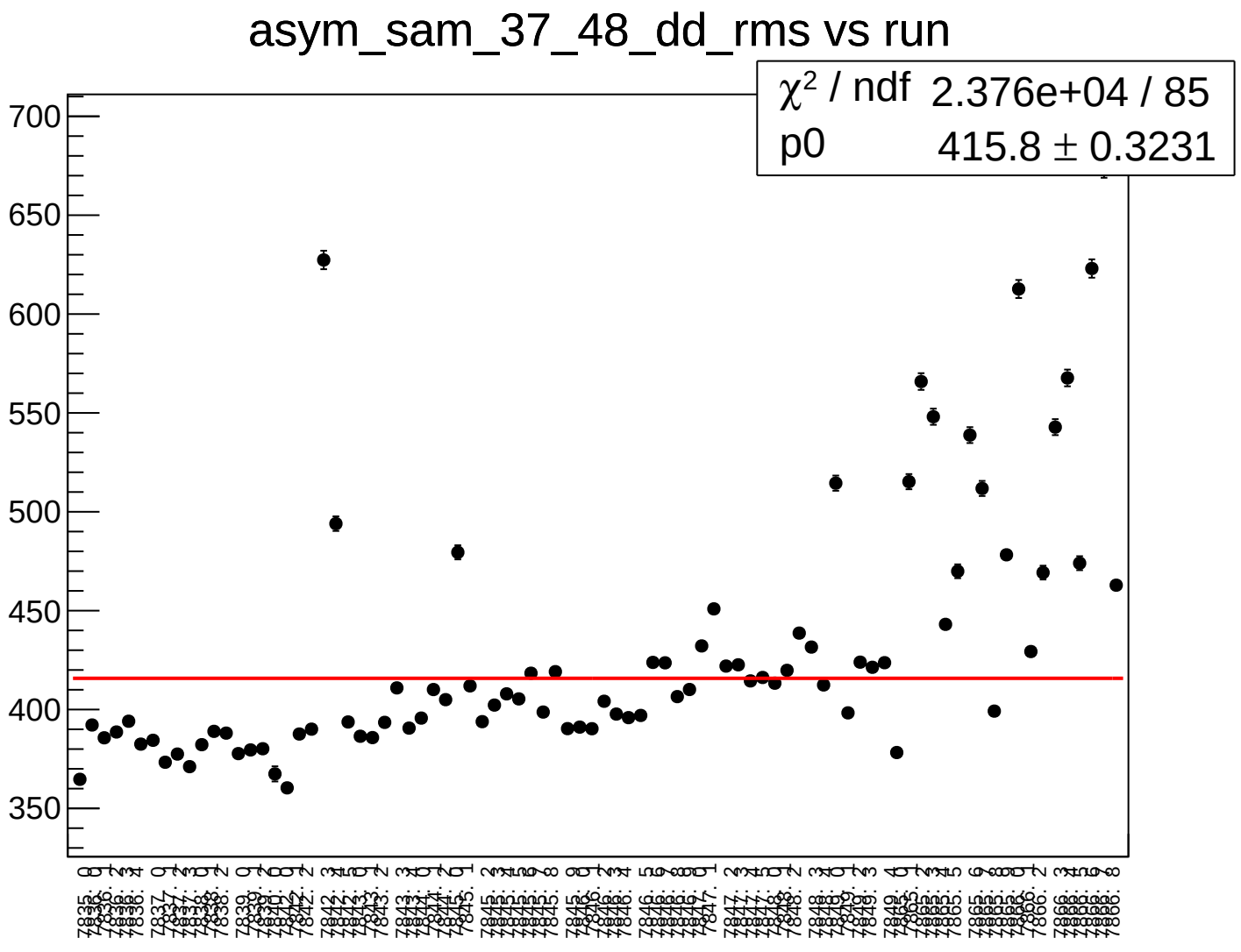

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 85.11 / 85
p0 177.5 ± 459.8
pull
Entries 86
Mean 399.1
Std Dev 362.3

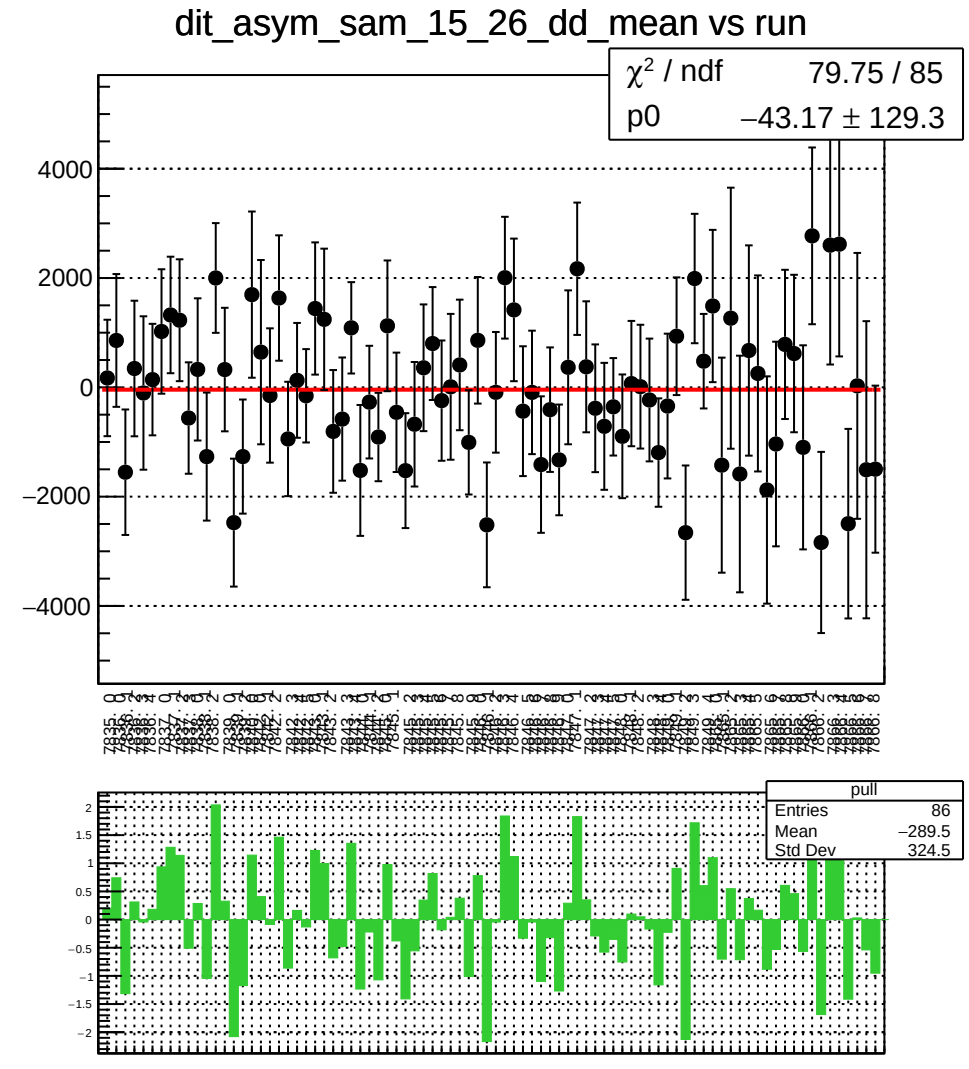

pull1D
Entries 86
Mean 0.01197
Std Dev 0.9948

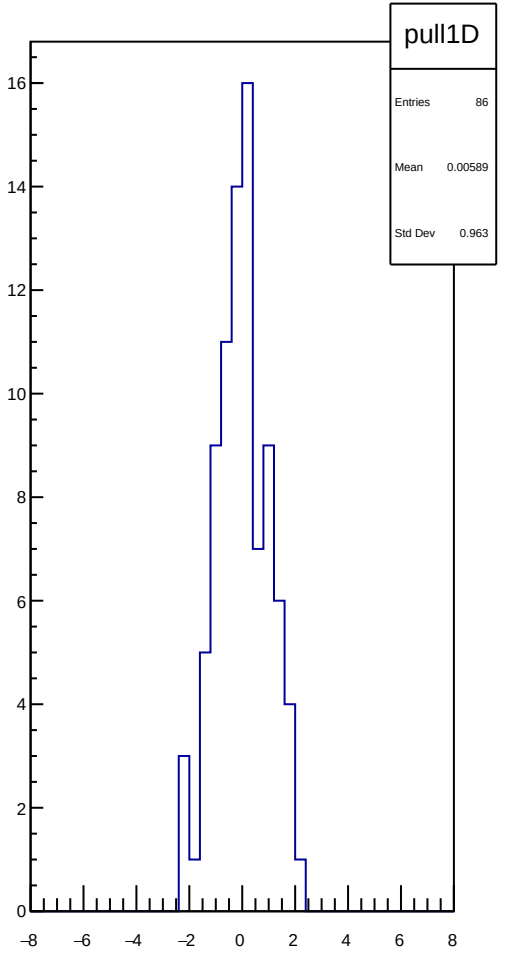

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 2.679e+04 / 85
p0 418 ± 0.3251
750
700
650
600
550
500
450
400
350

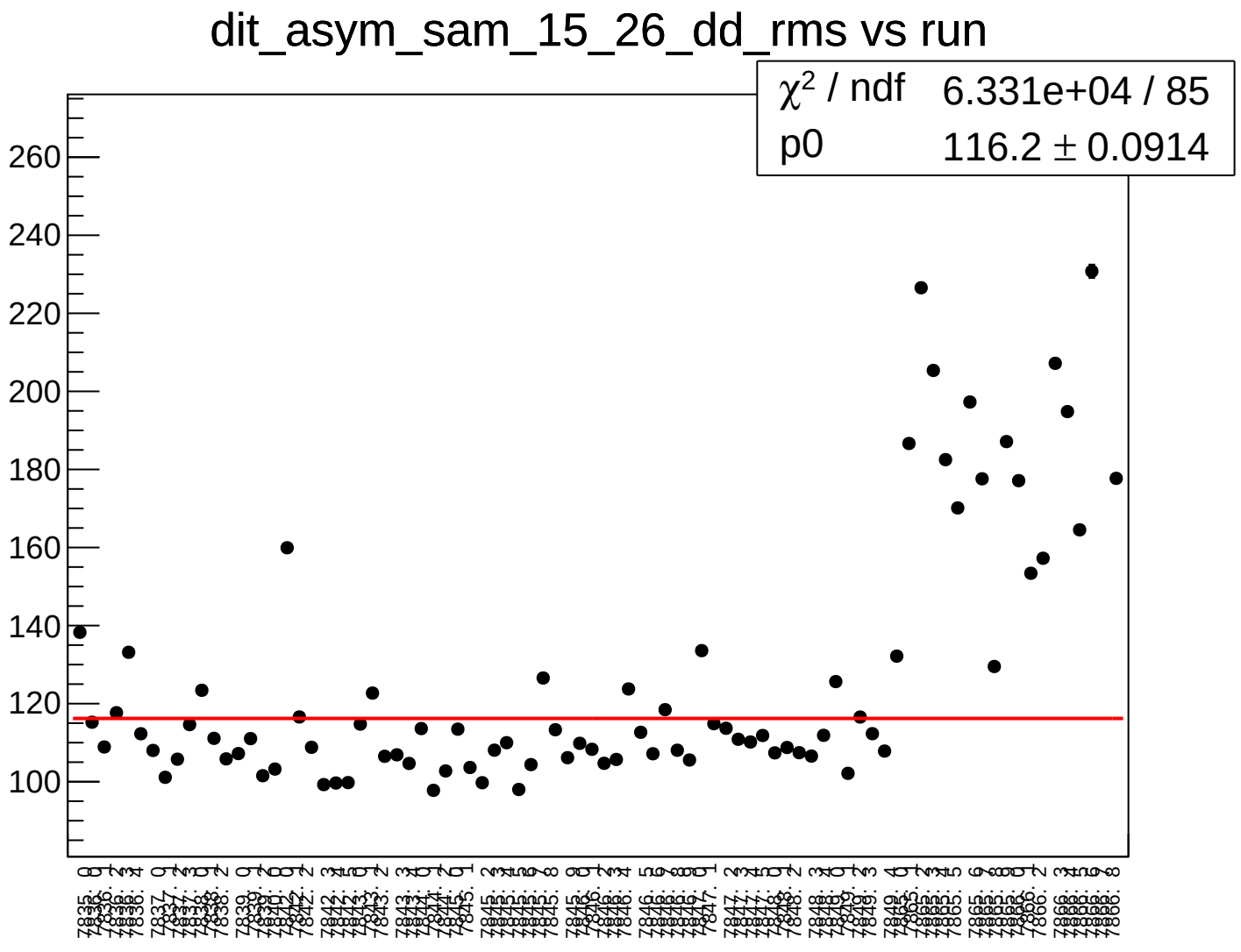

asym_sam_37_48_dd_mean vs run
χ² / ndf 86.49 / 85
p0 −233.7 ± 456.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 387.9
Std Dev 349.5
2
1
0
−1
−2
−3

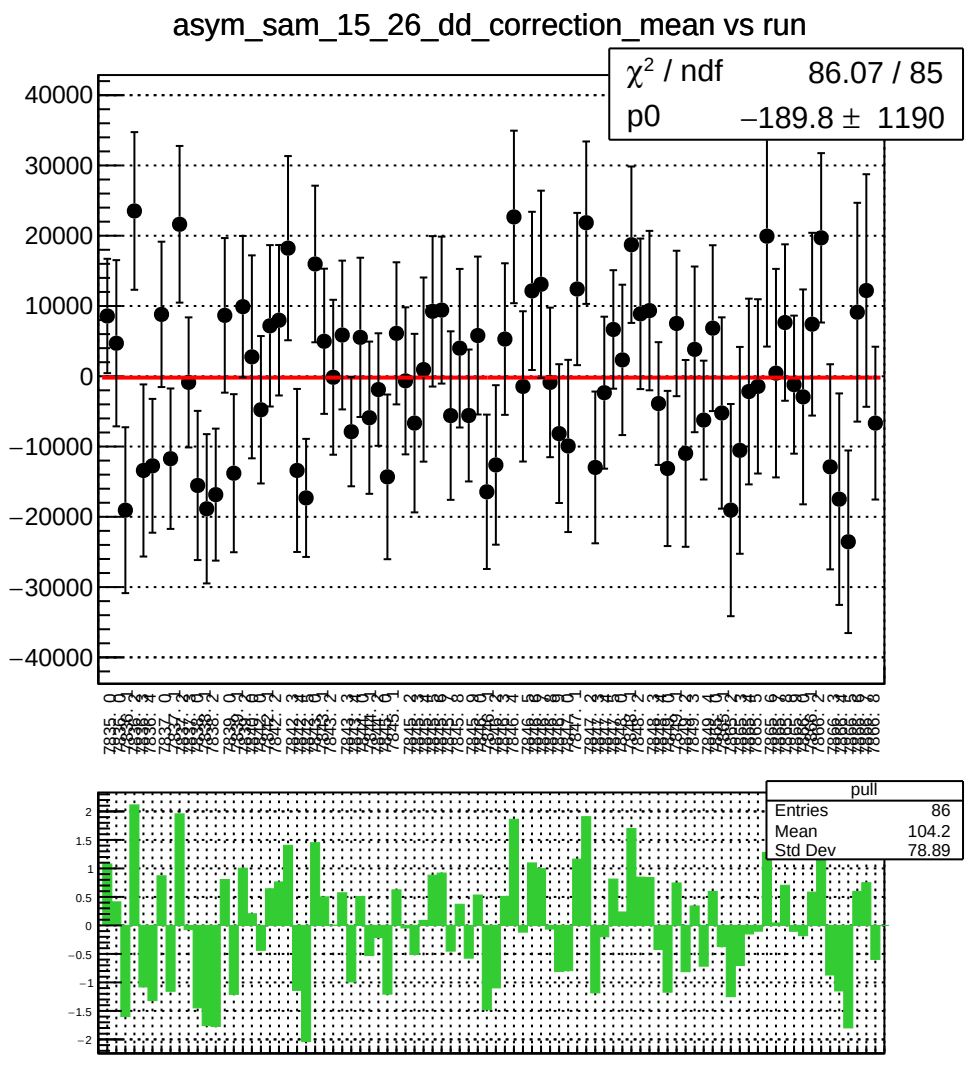

pull1D
Entries 86
Mean −0.01378
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

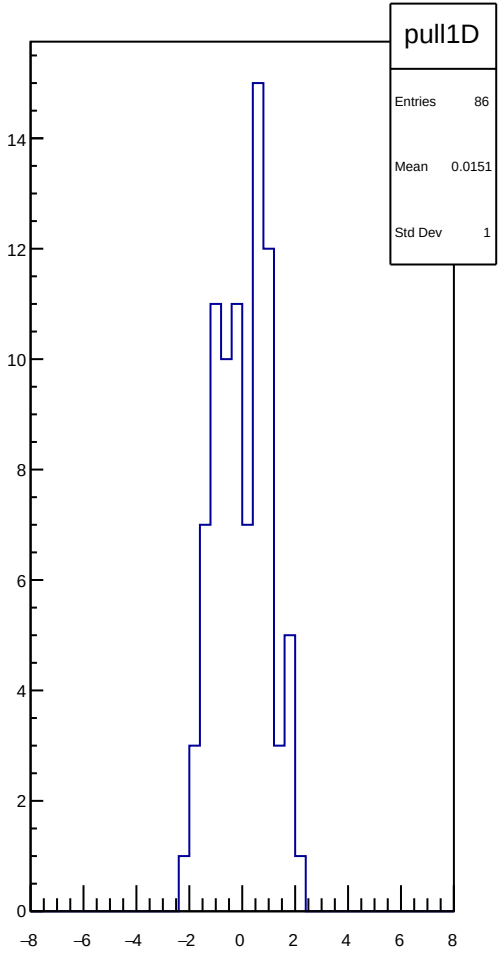

asym_sam_37_48_dd_rms vs run
χ² / ndf 2.376e+04 / 85
p0 415.8 ± 0.3231
700
650
600
550
500
450
400
350

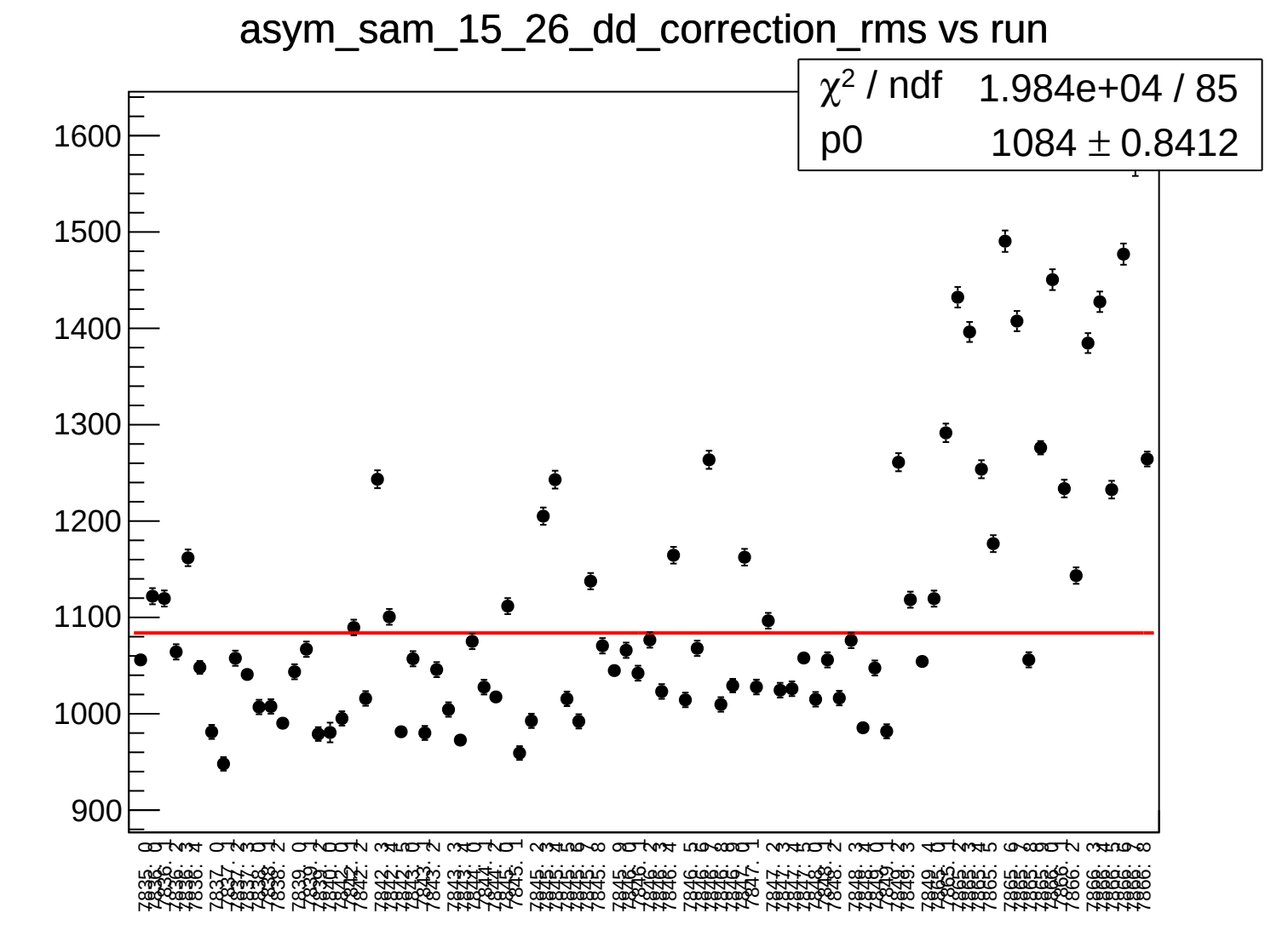

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 79.75 / 85
p0 −43.17 ± 129.3
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −289.5
Std Dev 324.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

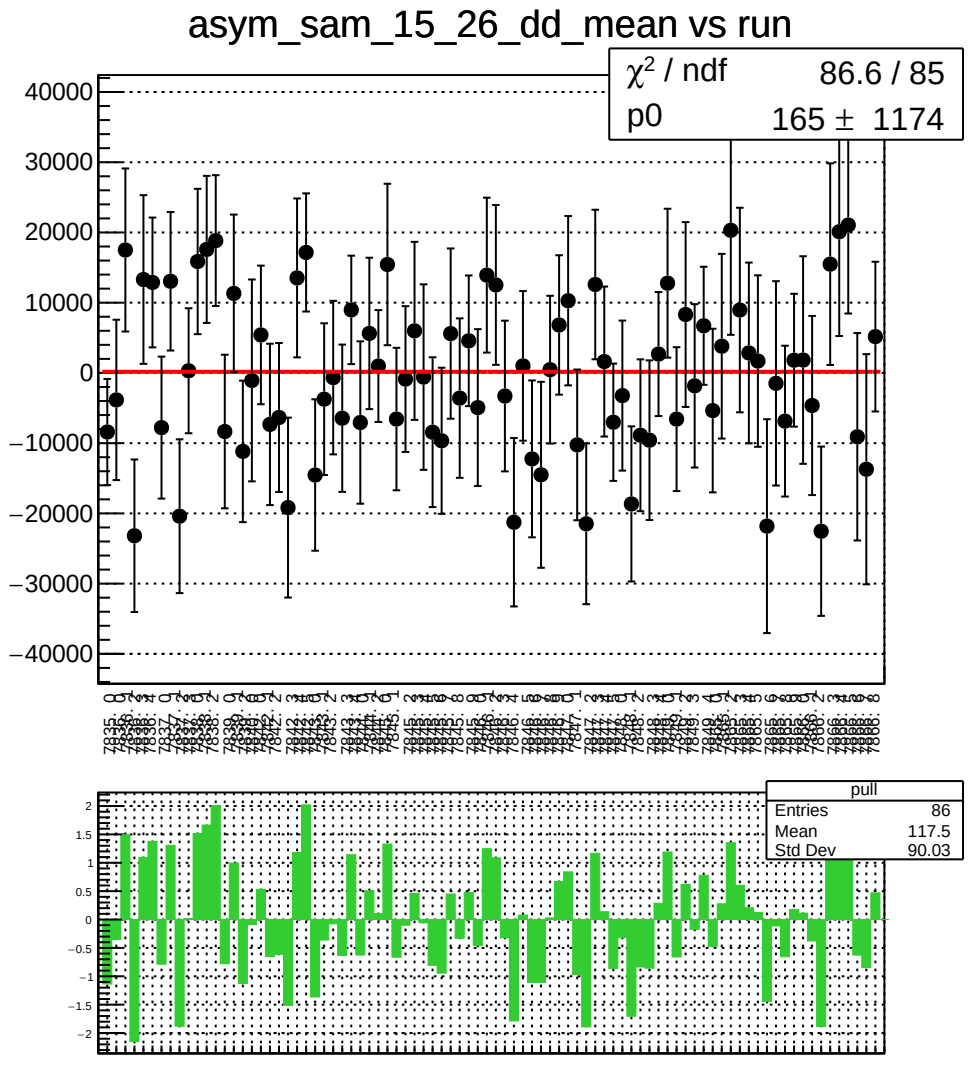

pull1D
Entries 86
Mean 0.00589
Std Dev 0.963
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

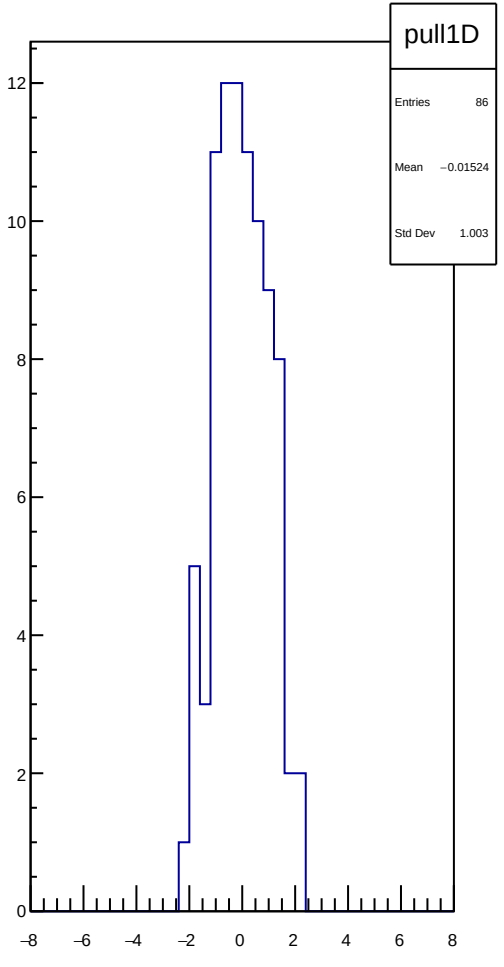

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 6.331e+04 / 85
p0 116.2 ± 0.0914
260
240
220
200
180
160
140
120
100

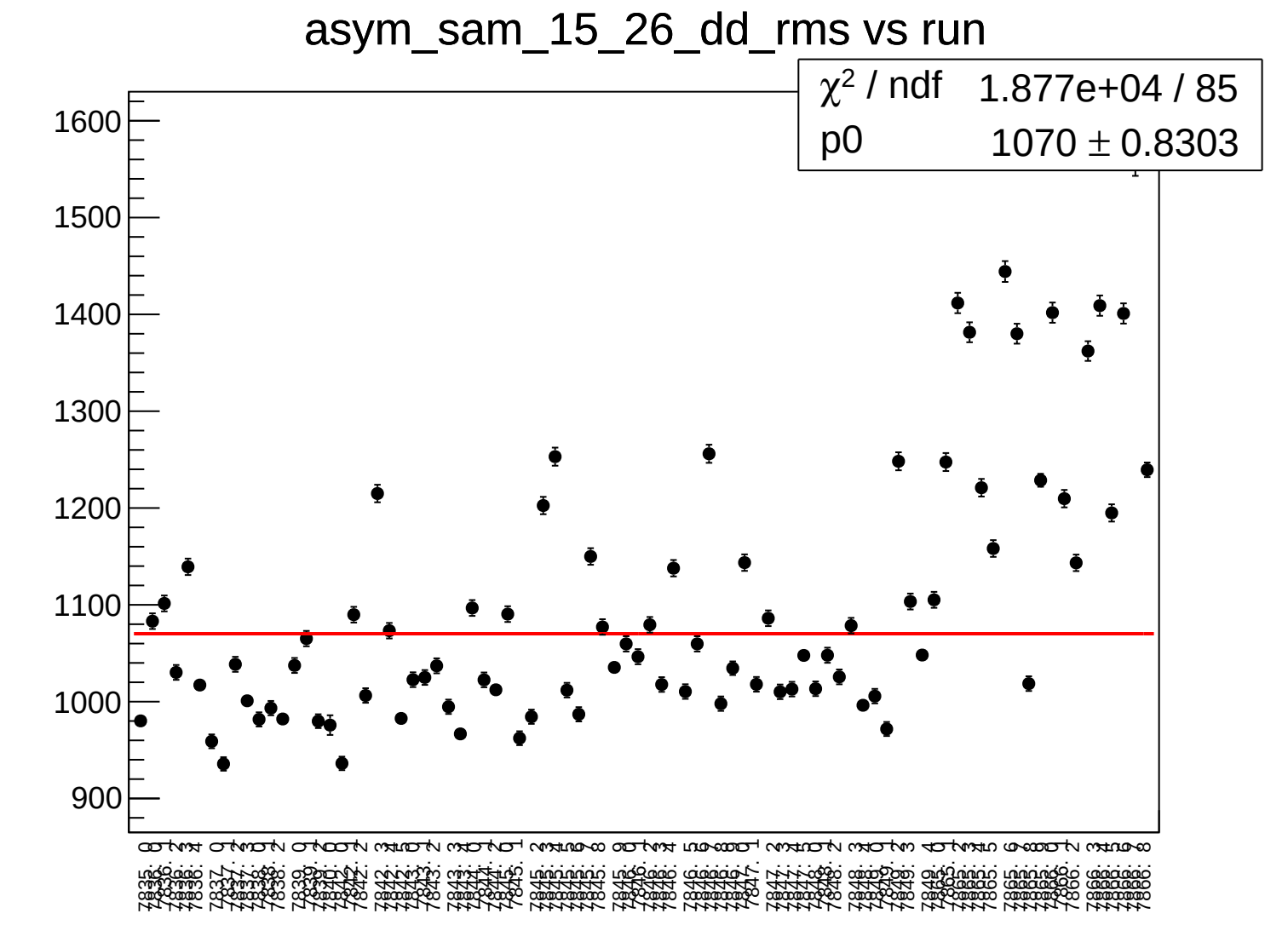

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 86.07 / 85
p0 −189.8 ± 1190
pull
Entries 86
Mean 104.2
Std Dev 78.89

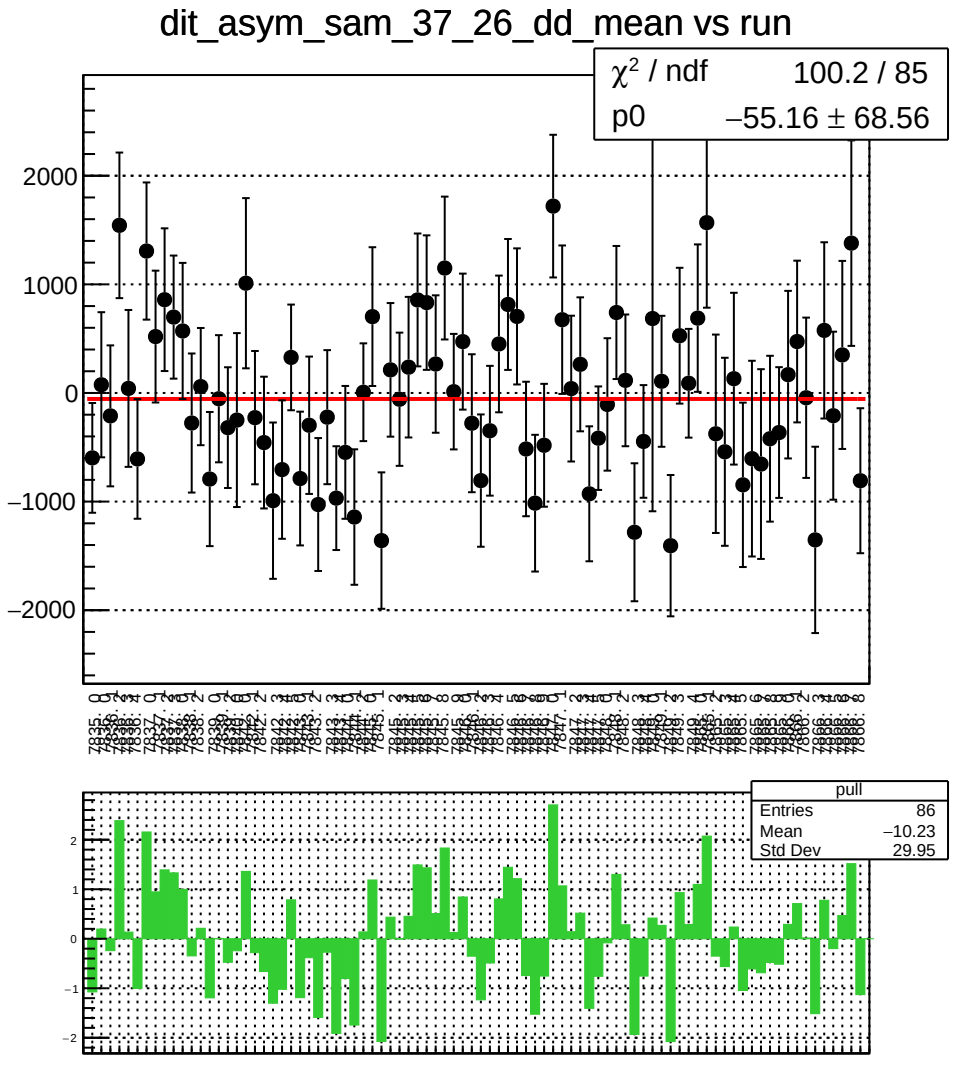

pull1D
Entries 86
Mean 0.0151
Std Dev 1

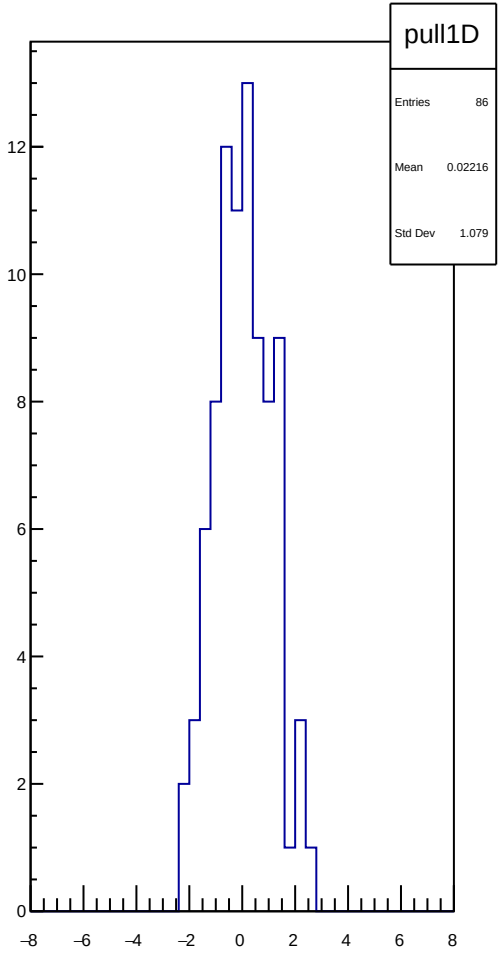

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 1.984e+04 / 85
p0 1084 ± 0.8412
1600
1500
1400
1300
1200
1100
1000
900

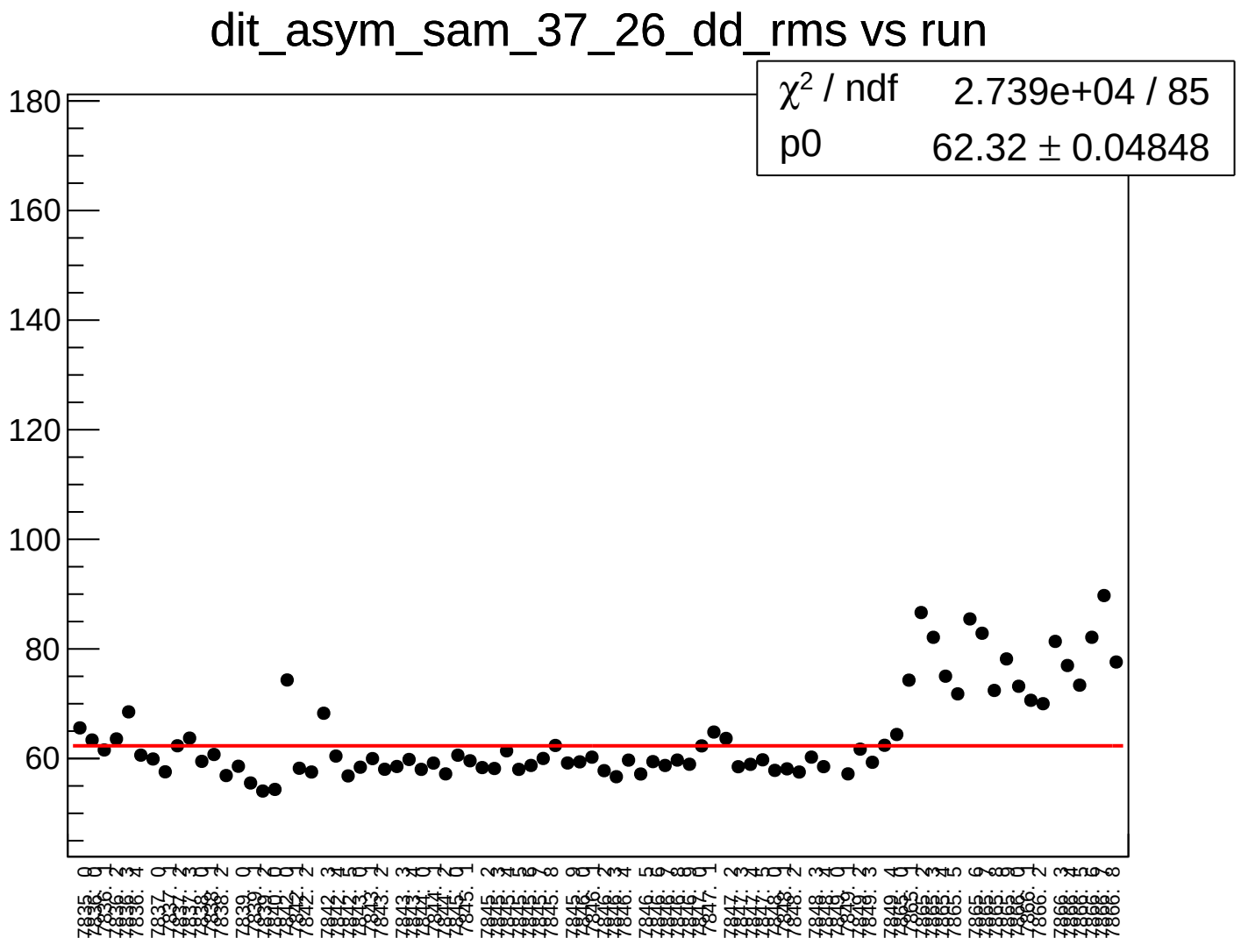

asym_sam_15_26_dd_mean vs run
χ² / ndf 86.6 / 85
p0 165 ± 1174
pull
Entries 86
Mean 117.5
Std Dev 90.03

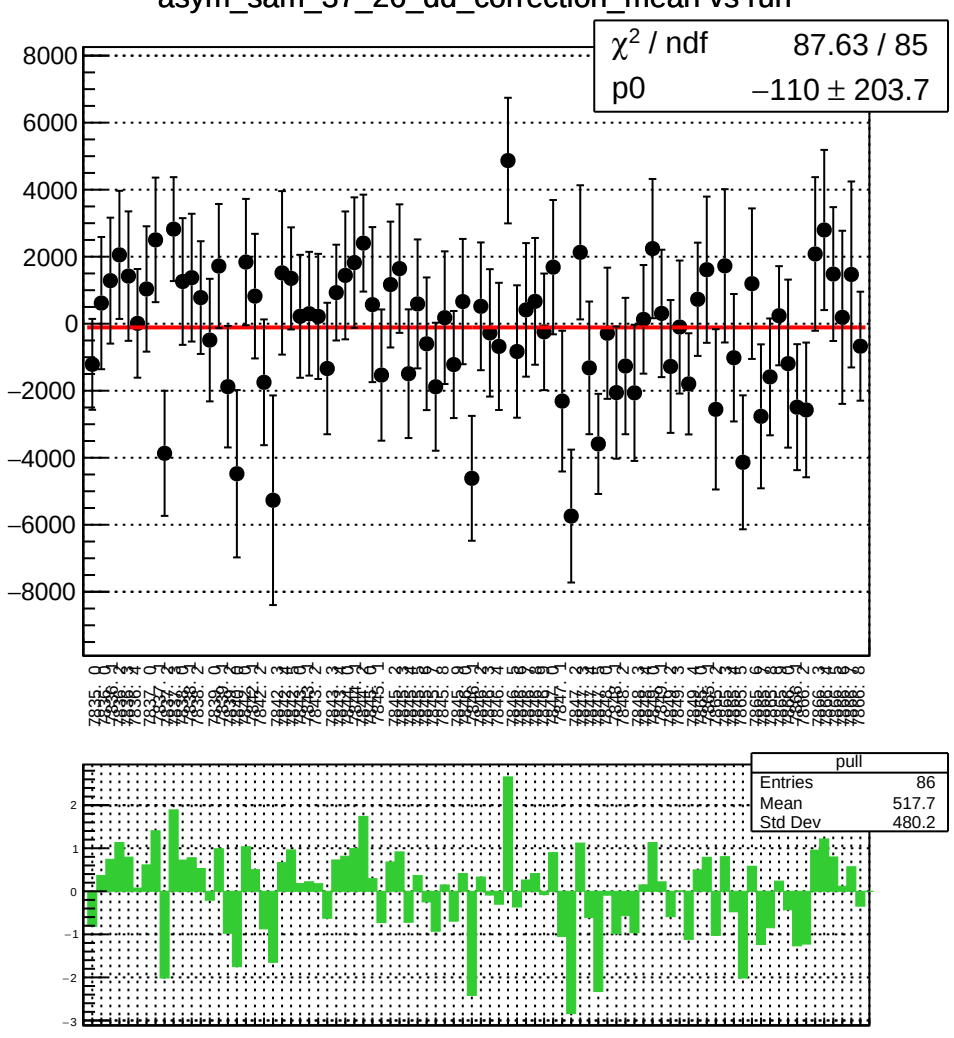

pull1D
Entries 86
Mean −0.01524
Std Dev 1.003

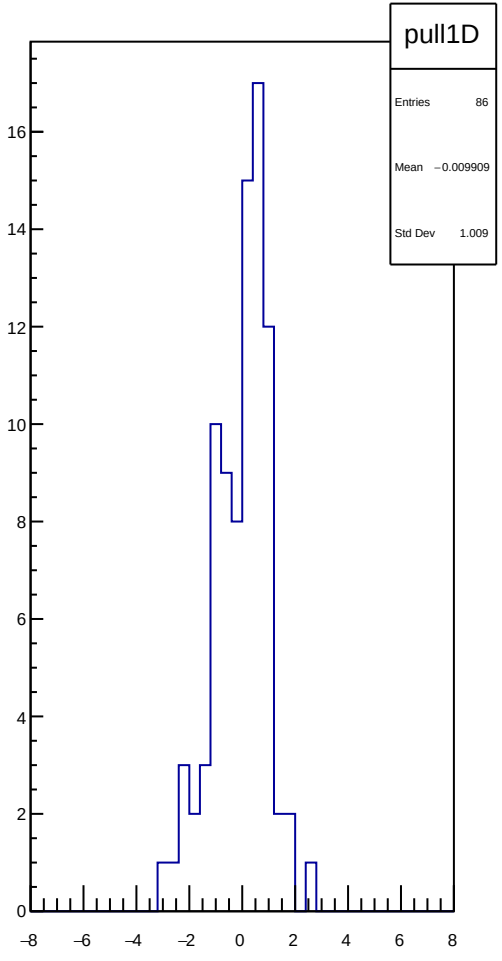

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.877e+04 / 85
p0 1070 ± 0.8303
1600
1500
1400
1300
1200
1100
1000
900

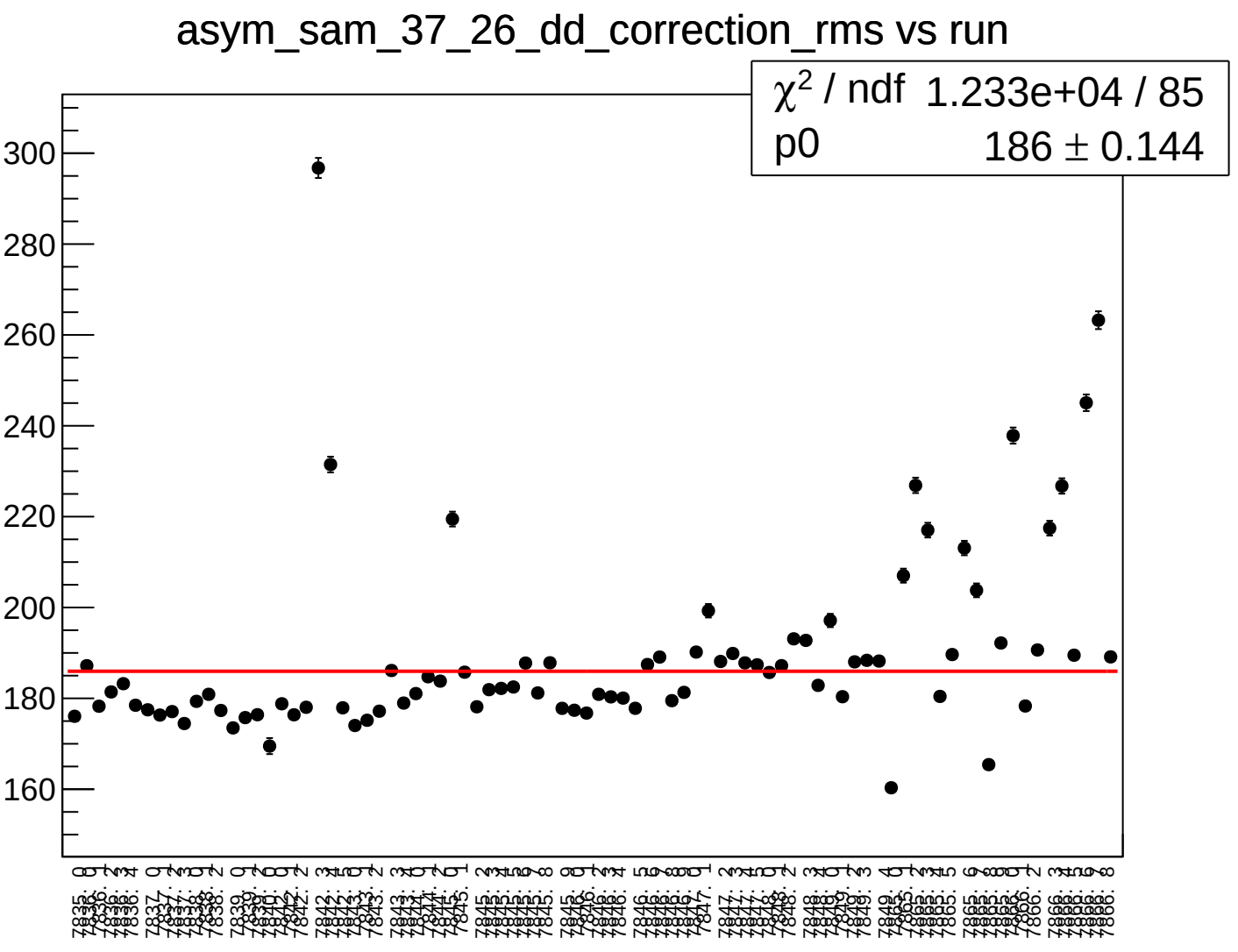

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 100.2 / 85
p0 −55.16 ± 68.56
2000
1000
0
−1000
−2000
pull
Entries 86
Mean −10.23
Std Dev 29.95
2
1
0
−1
−2

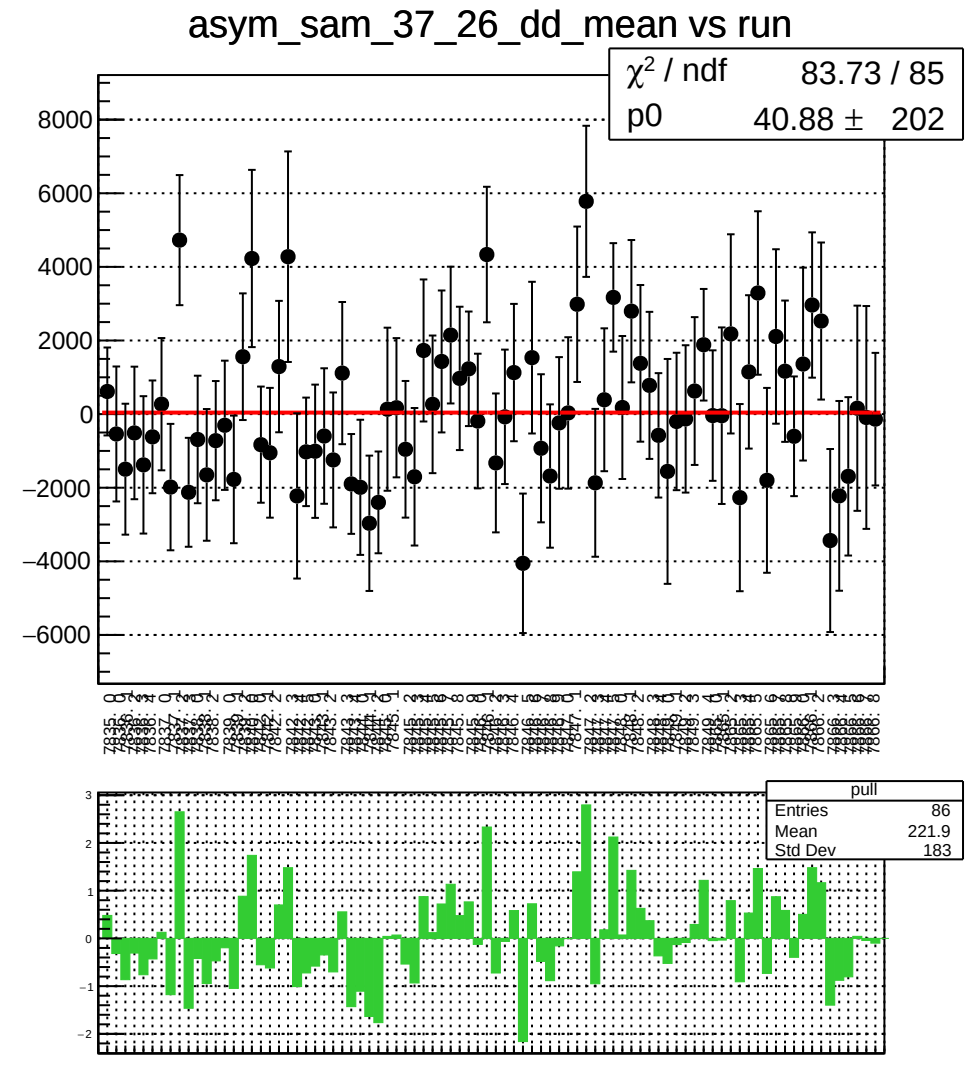

pull1D
Entries 86
Mean 0.02216
Std Dev 1.079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

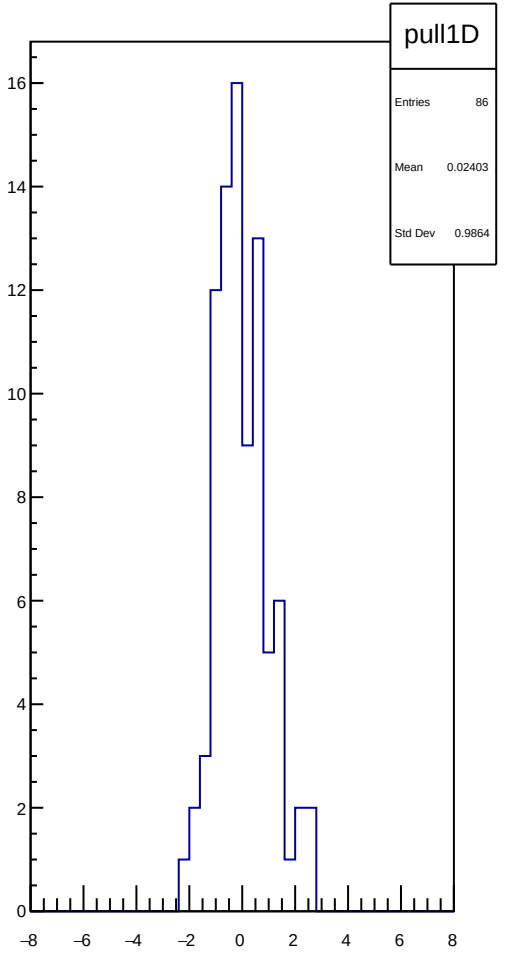

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2.739e+04 / 85
p0 62.32 ± 0.04848
180
160
140
120
100
80
60

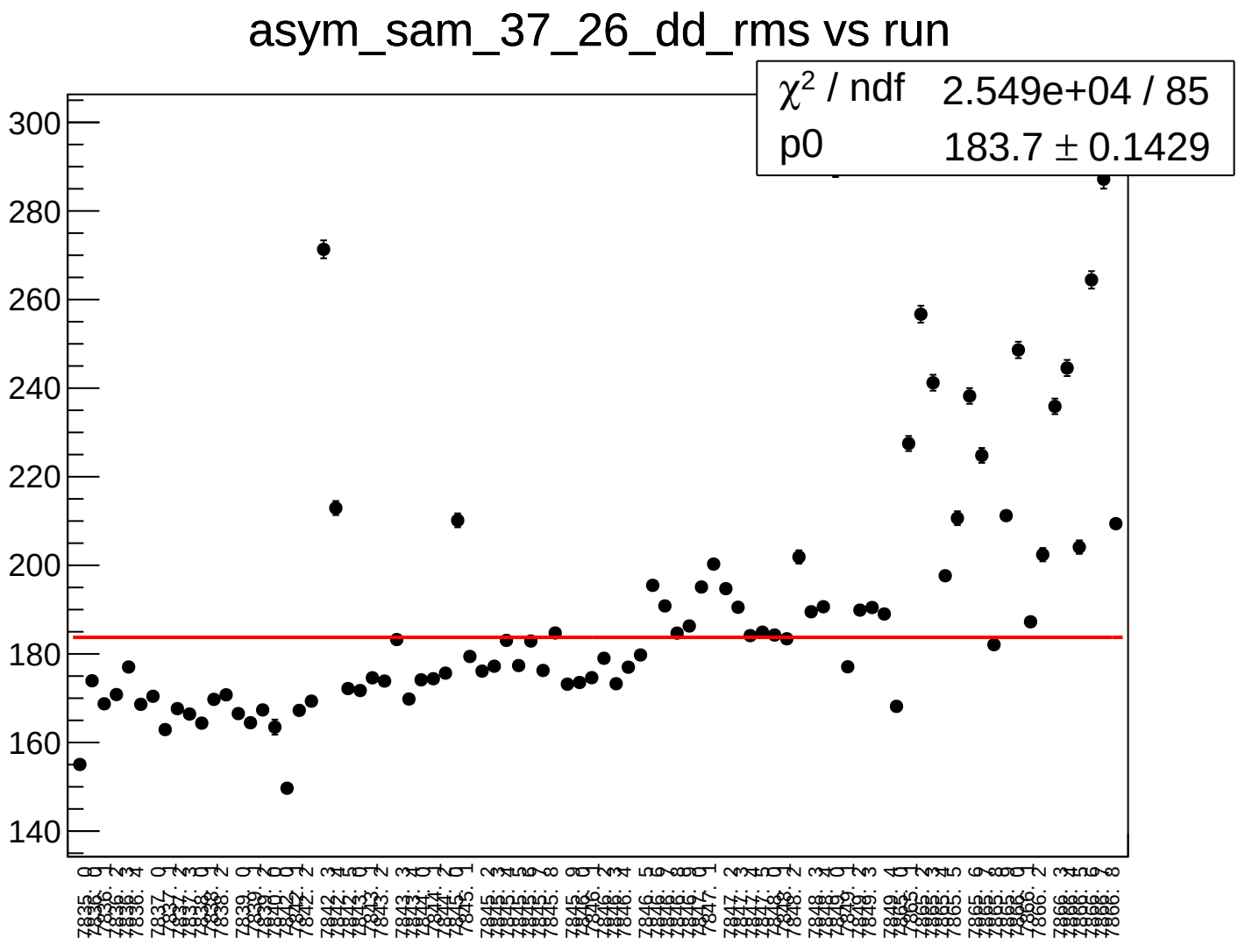

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 87.63 / 85
p0 −110 ± 203.7
pull
Entries 86
Mean 517.7
Std Dev 480.2

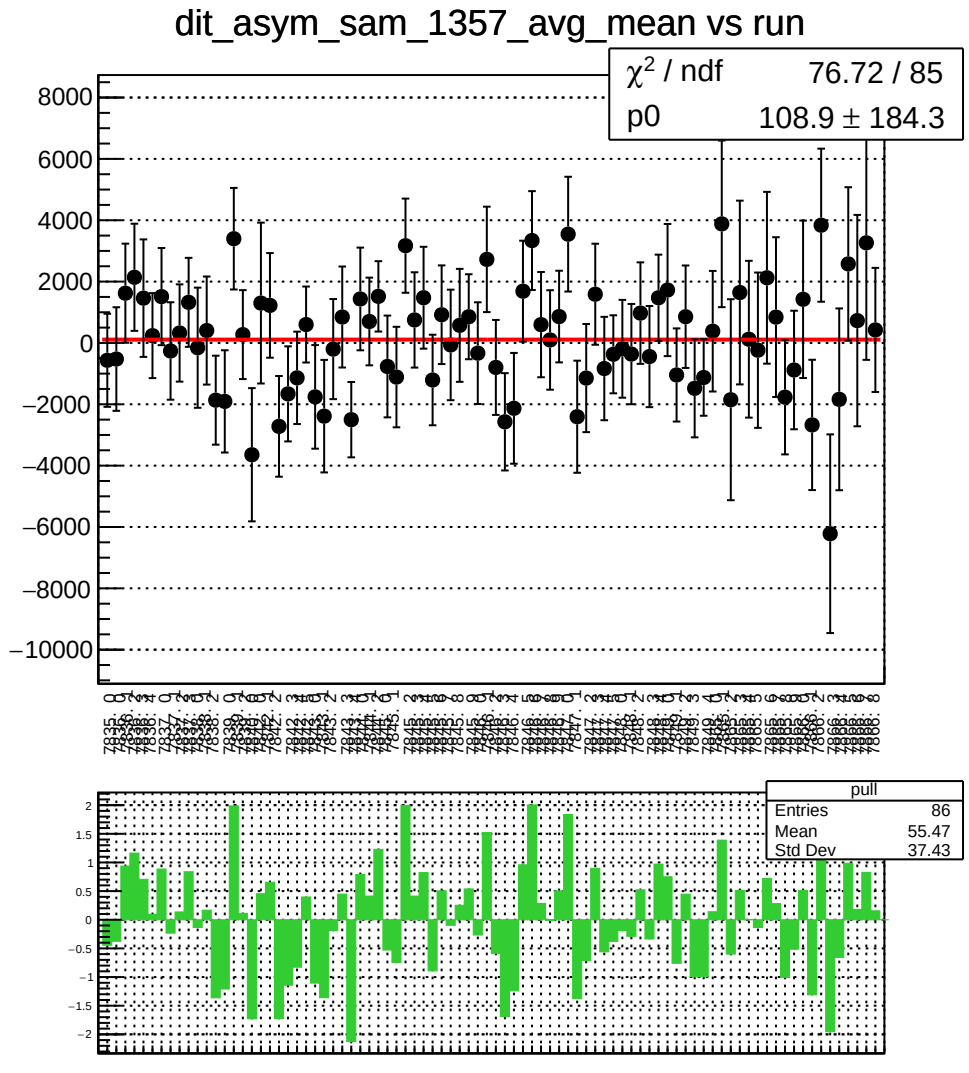

pull1D
Entries 86
Mean −0.009909
Std Dev 1.009

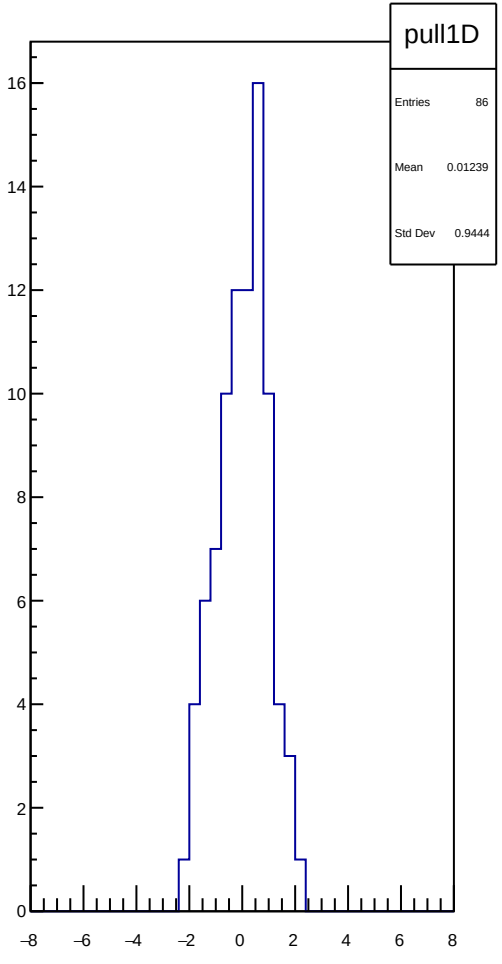

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 1.233e+04 / 85
p0 186 ± 0.144
300
280
260
240
220
200
180
160

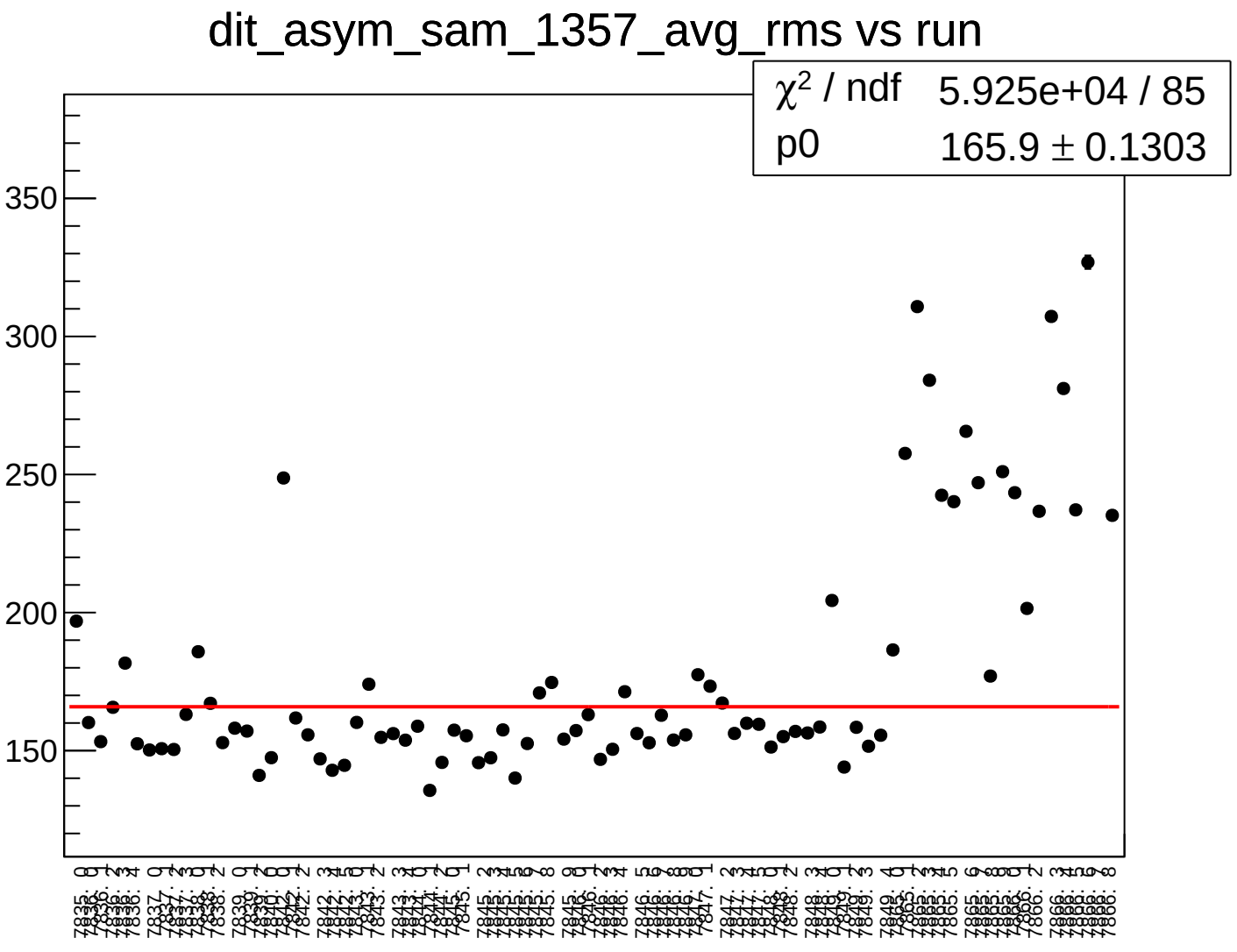

asym_sam_37_26_dd_mean vs run
χ² / ndf 83.73 / 85
p0 40.88 ± 202
pull
Entries 86
Mean 221.9
Std Dev 183

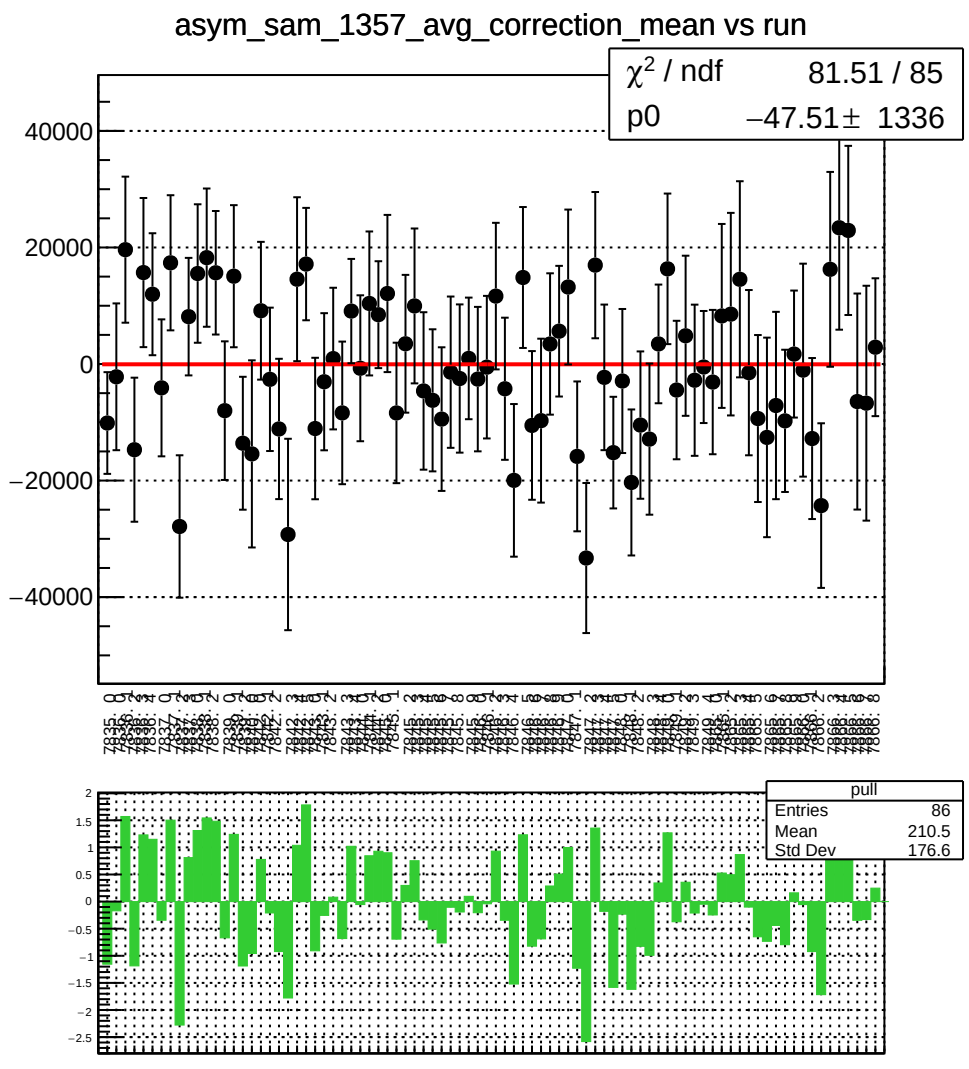

pull1D
Entries 86
Mean 0.02403
Std Dev 0.9864

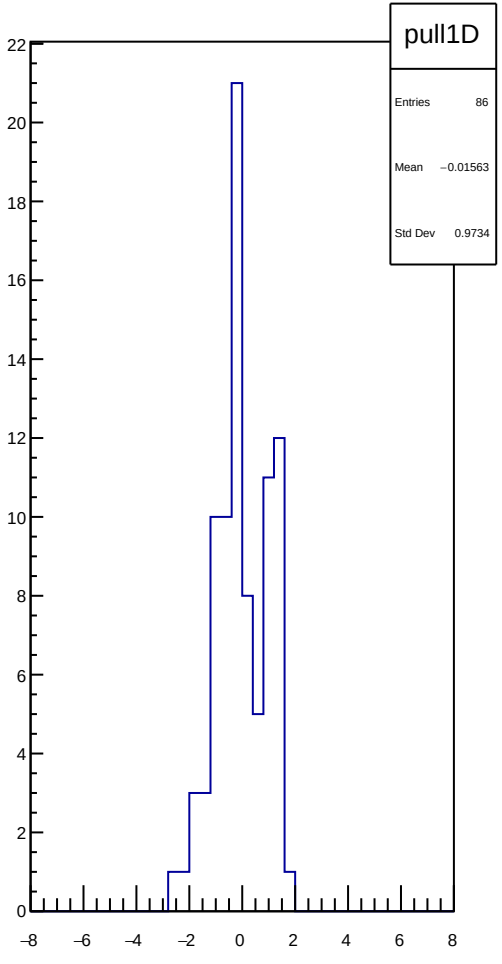

asym_sam_37_26_dd_rms vs run
χ² / ndf 2.549e+04 / 85
p0 183.7 ± 0.1429
300
280
260
240
220
200
180
160
140

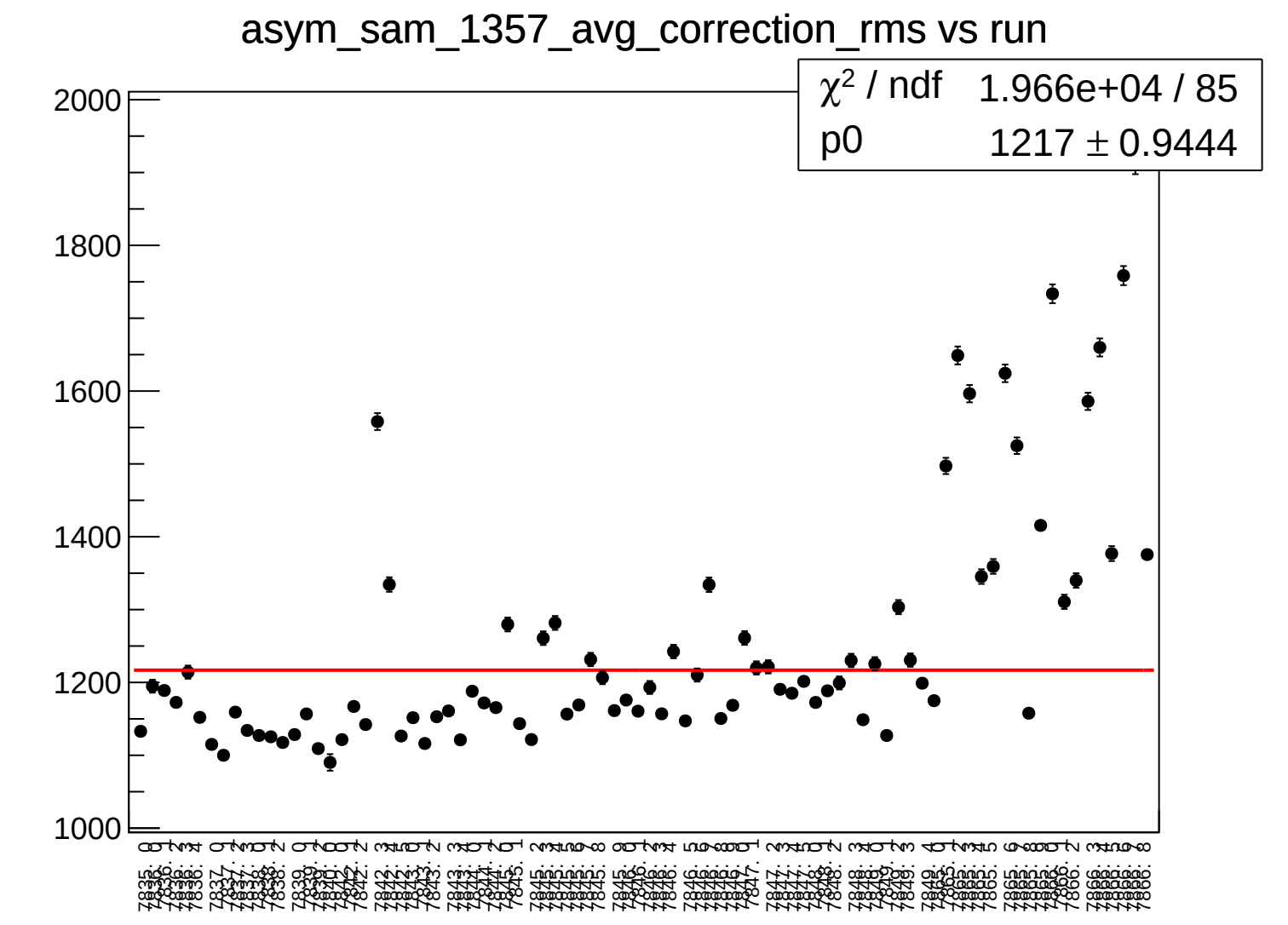

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 76.72 / 85
p0 108.9 ± 184.3
pull
Entries 86
Mean 55.47
Std Dev 37.43

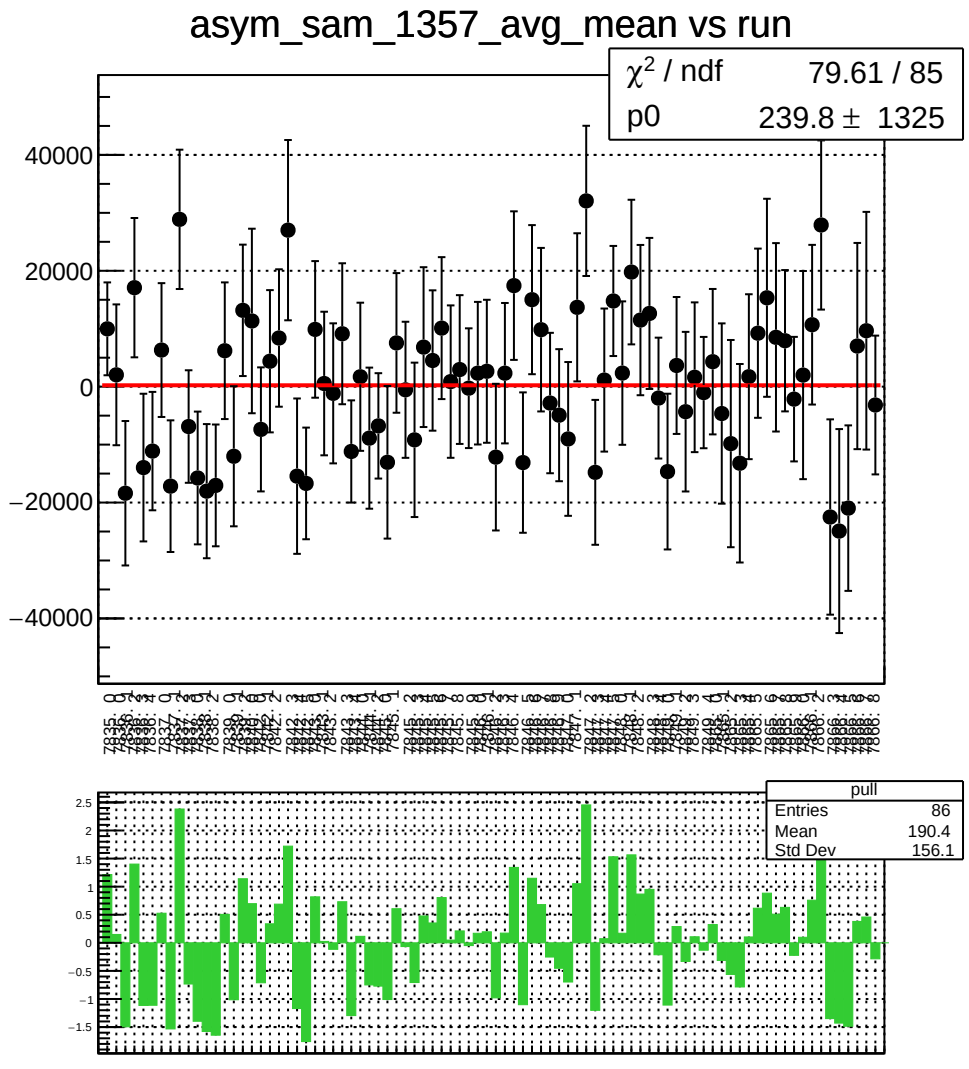

pull1D
Entries 86
Mean 0.01239
Std Dev 0.9444

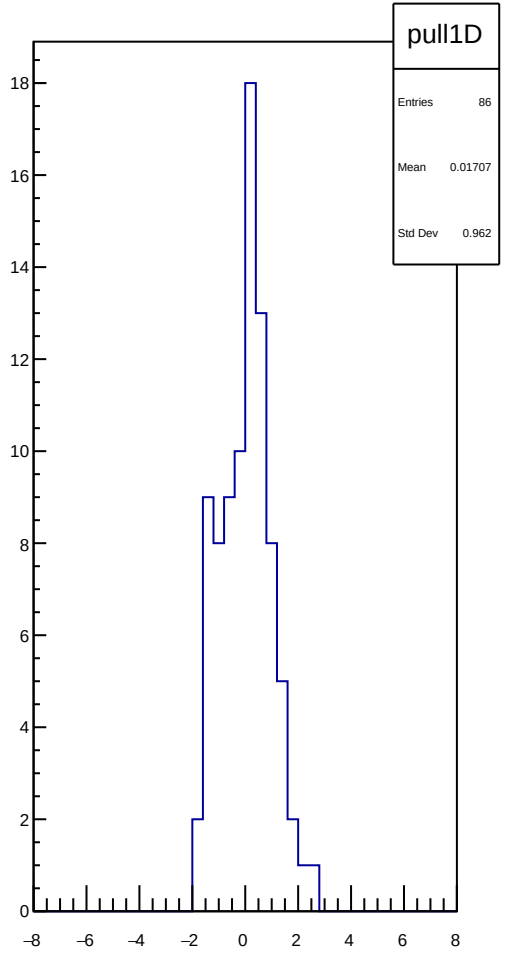

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 5.925e+04 / 85
p0 165.9 ± 0.1303
350
300
250
200
150

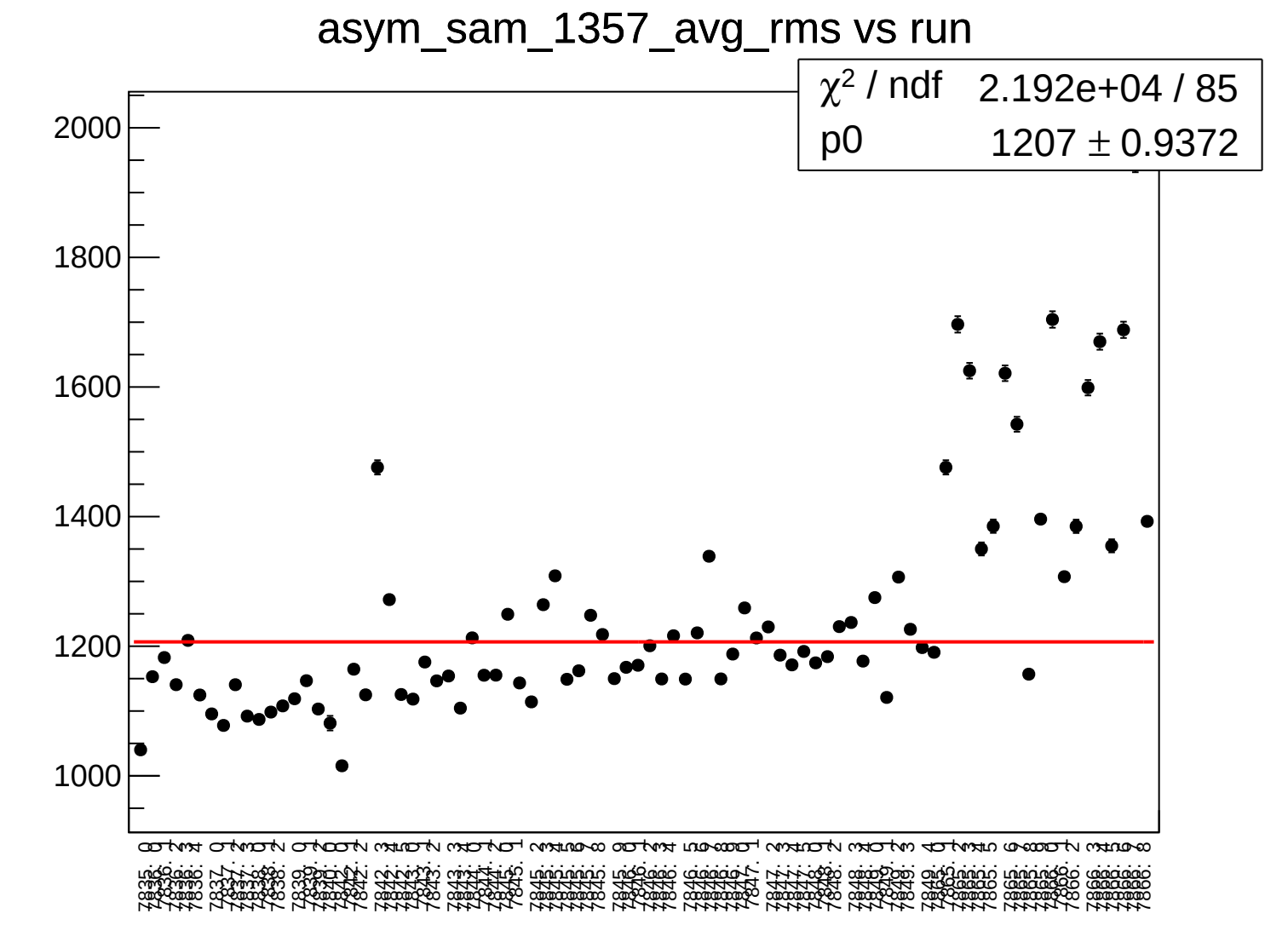

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 81.51 / 85
p0 −47.51± 1336
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 210.5
Std Dev 176.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

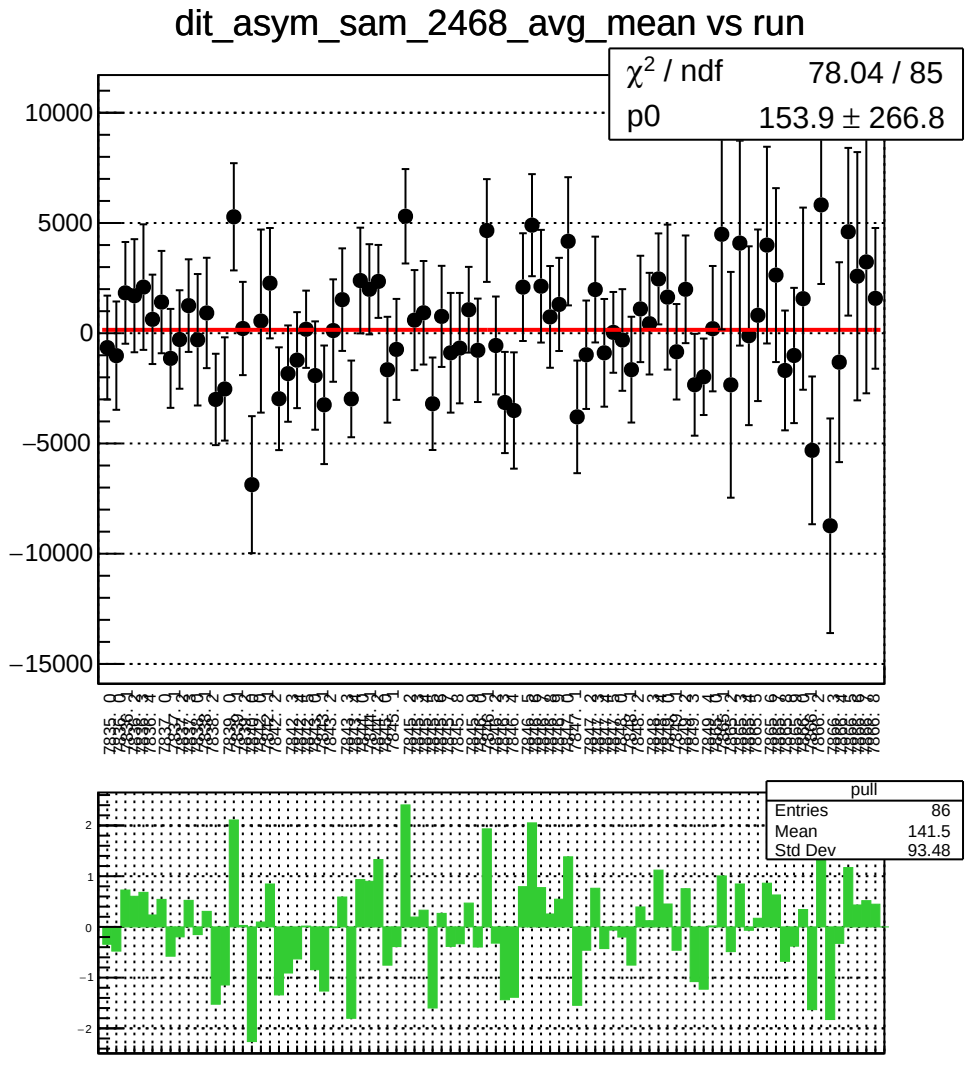

pull1D
Entries 86
Mean −0.01563
Std Dev 0.9734
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

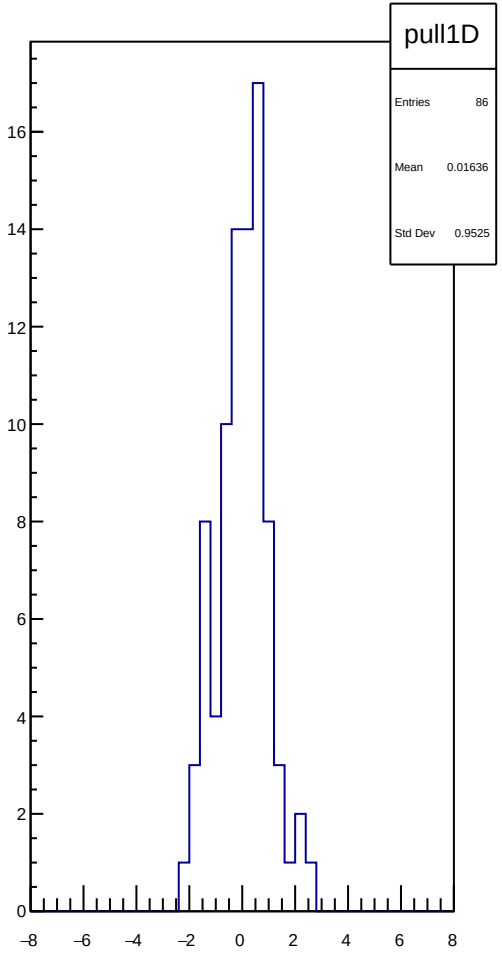

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 1.966e+04 / 85
p0 1217 ± 0.9444
2000
1800
1600
1400
1200
1000

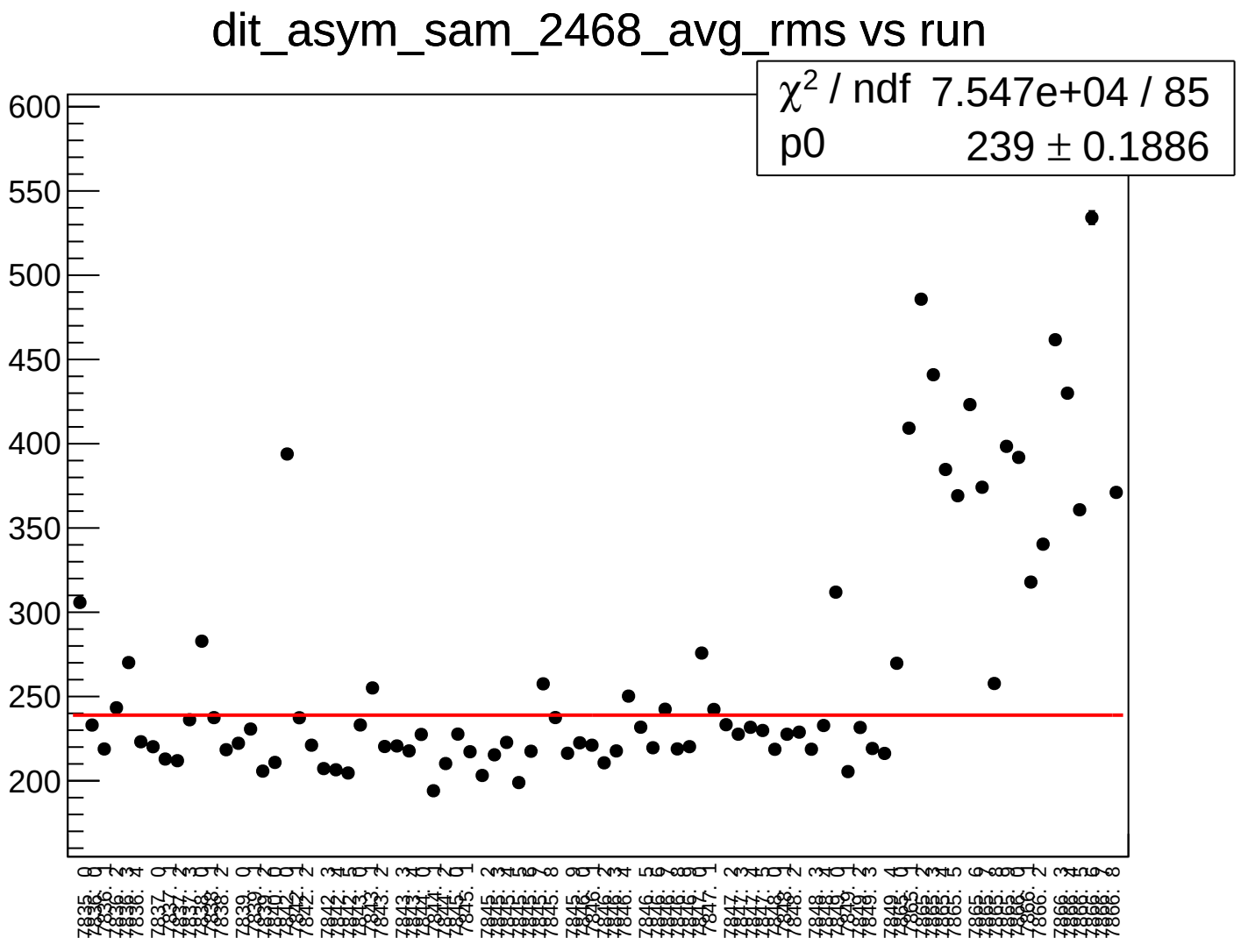

asym_sam_1357_avg_mean vs run
χ² / ndf 79.61 / 85
p0 239.8 ± 1325
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 190.4
Std Dev 156.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

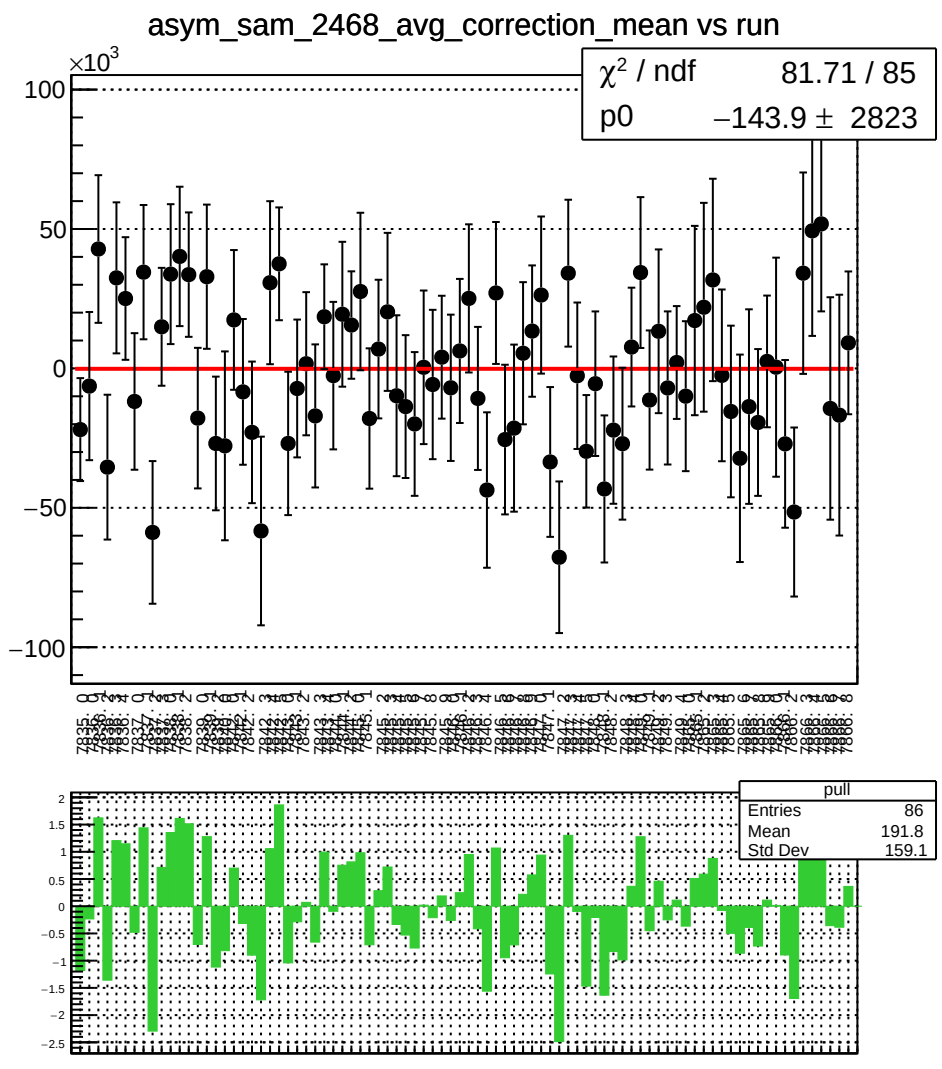

pull1D
Entries 86
Mean 0.01707
Std Dev 0.962
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

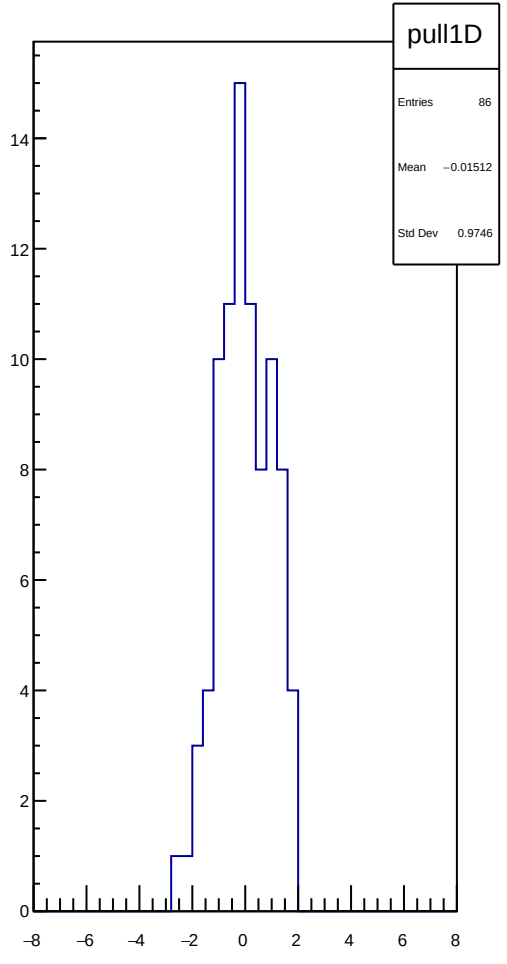

asym_sam_1357_avg_rms vs run
χ² / ndf 2.192e+04 / 85
p0 1207 ± 0.9372
2000
1800
1600
1400
1200
1000

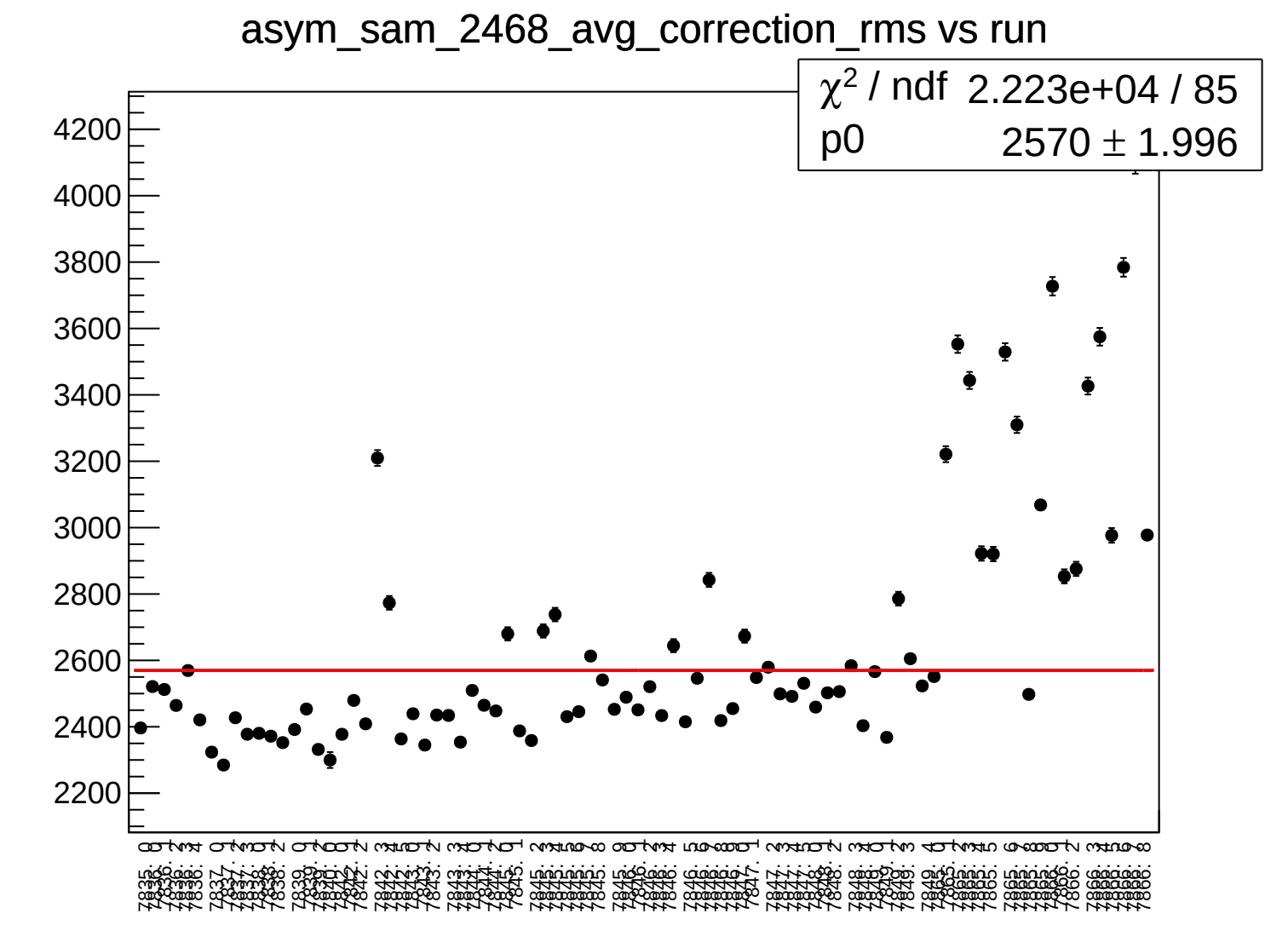

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 78.04 / 85
p0 153.9 ± 266.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 141.5
Std Dev 93.48
2
1
0
−1
−2

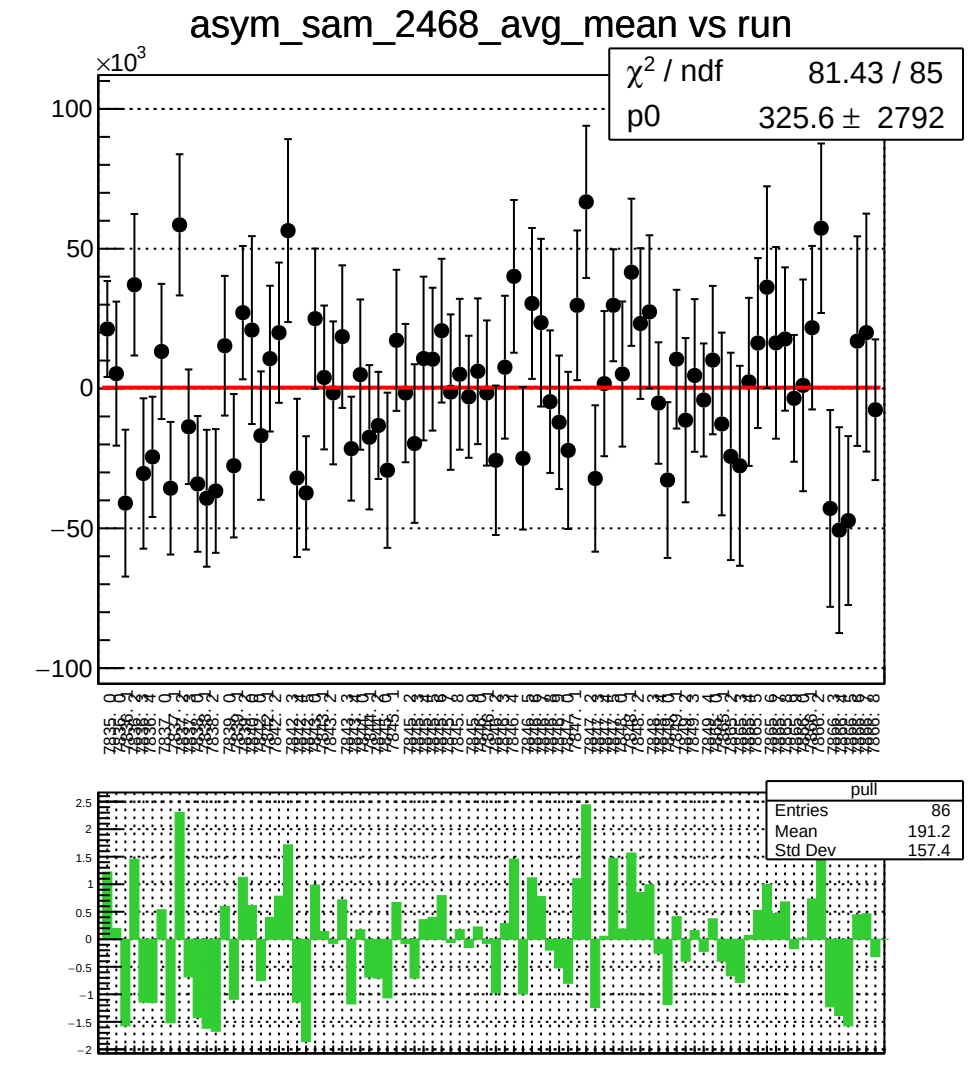

pull1D
Entries 86
Mean 0.01636
Std Dev 0.9525
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

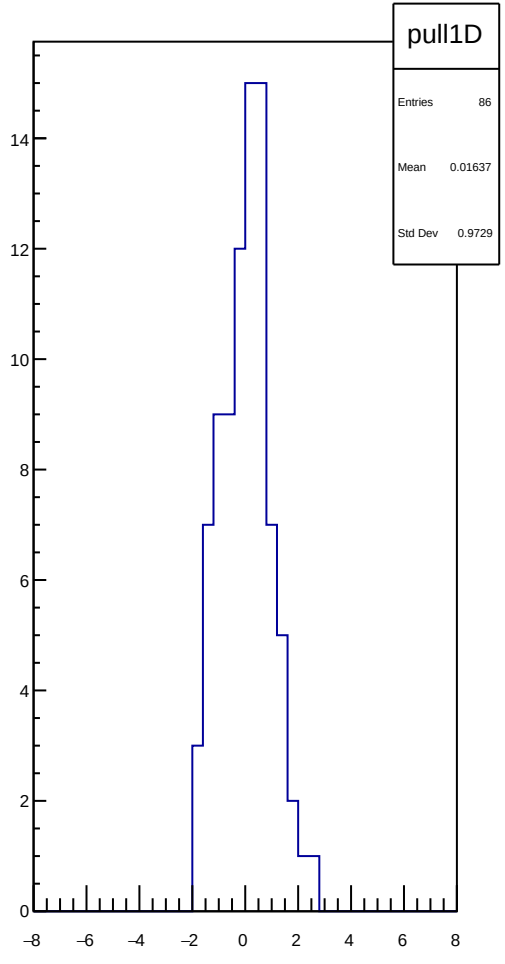

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 7.547e+04 / 85
p0 239 ± 0.1886
600
550
500
450
400
350
300
250
200

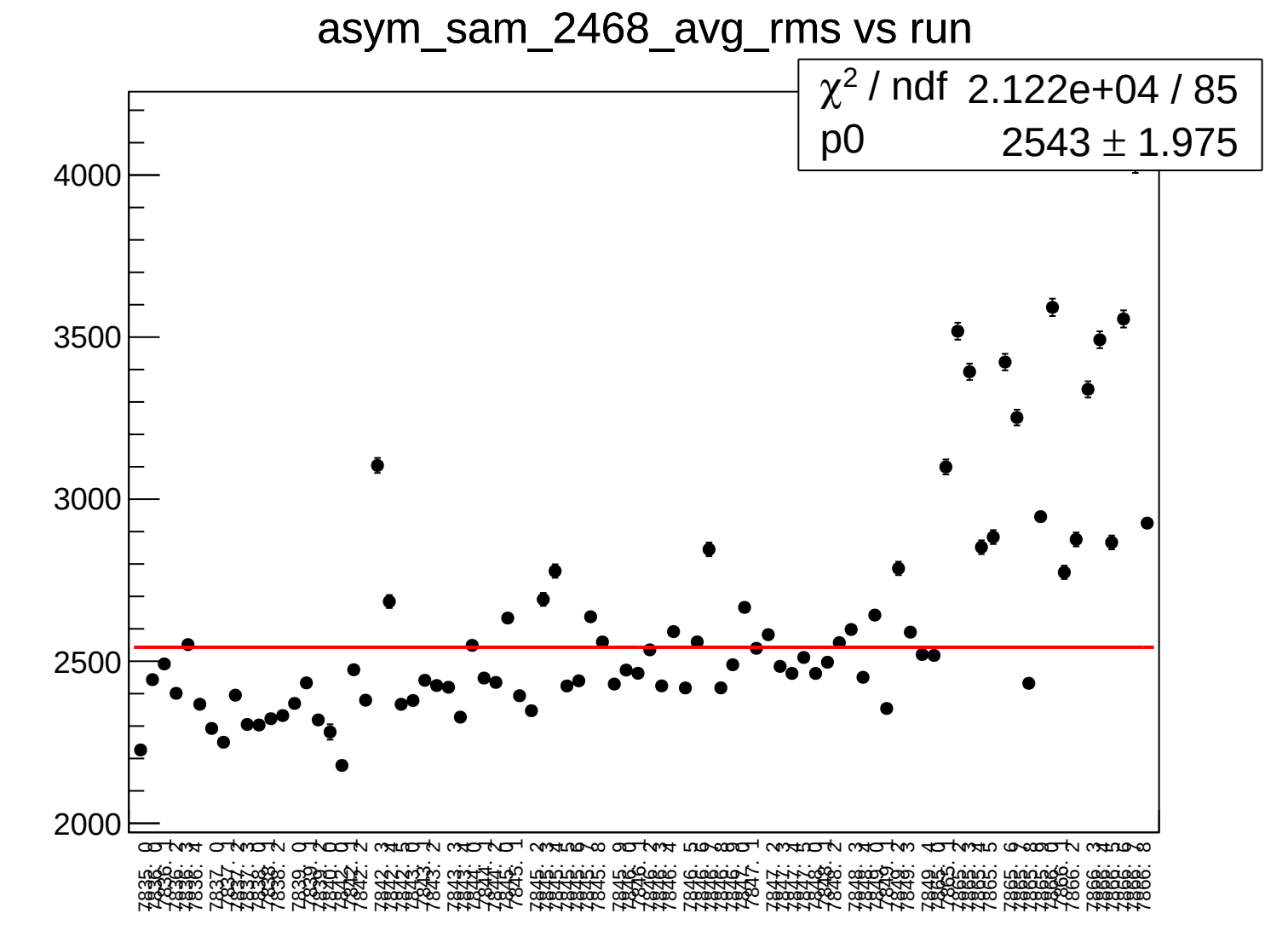

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 81.71 / 85
p0 −143.9 ± 2823
100
50
0
−50
−100
pull
Entries 86
Mean 191.8
Std Dev 159.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

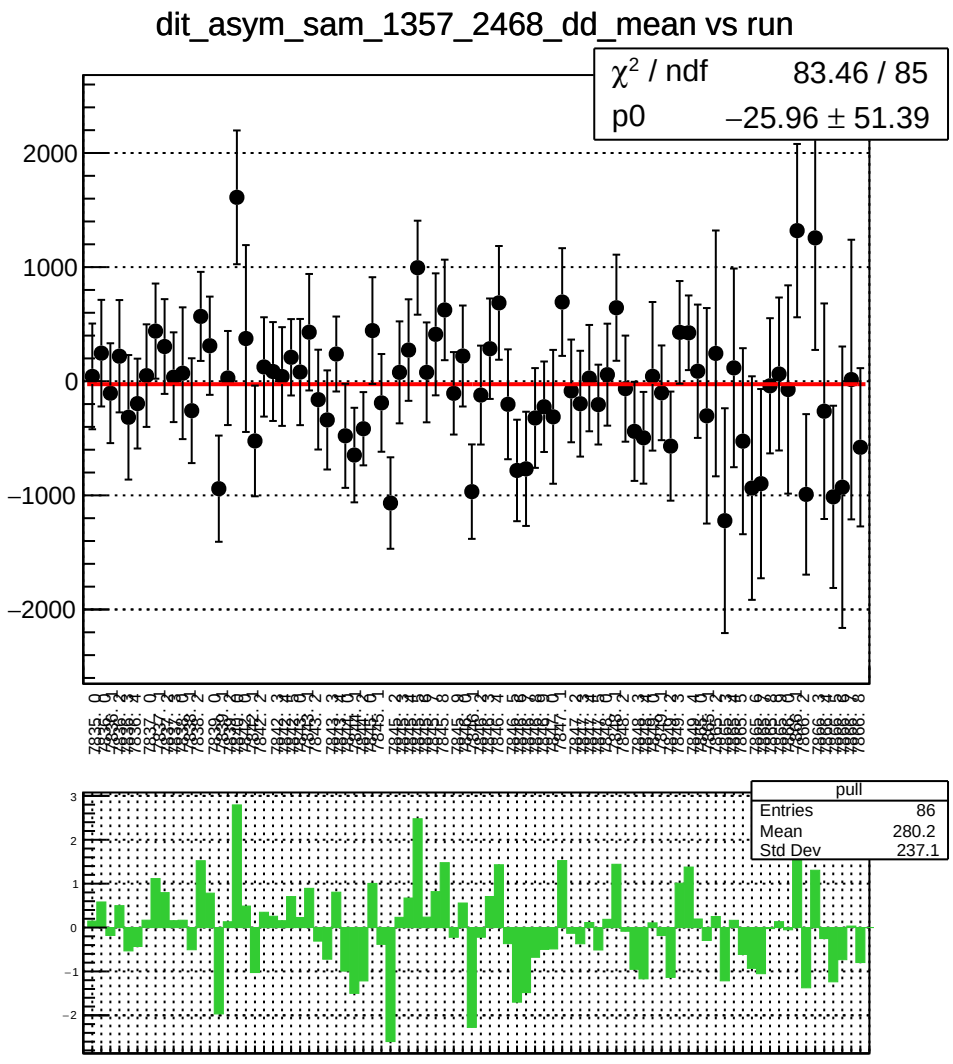

pull1D
Entries 86
Mean −0.01512
Std Dev 0.9746
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

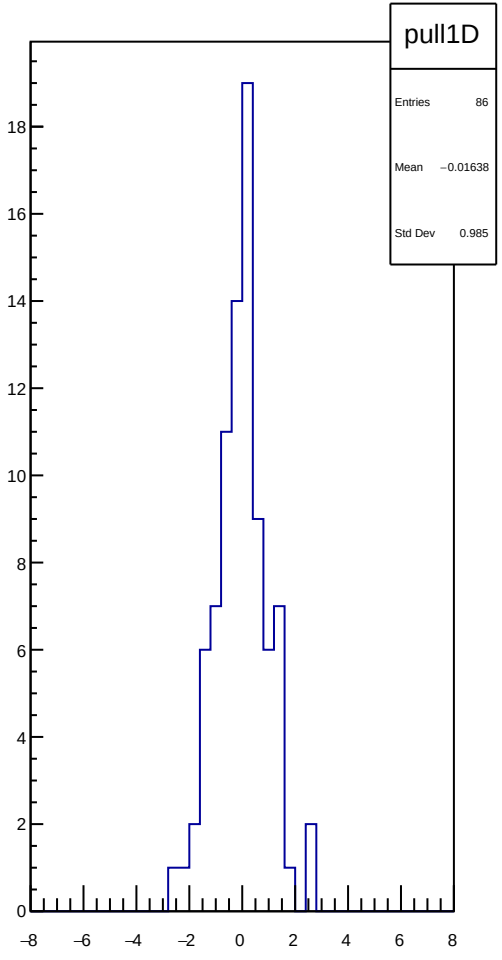

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2.223e+04 / 85
p0 2570 ± 1.996
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

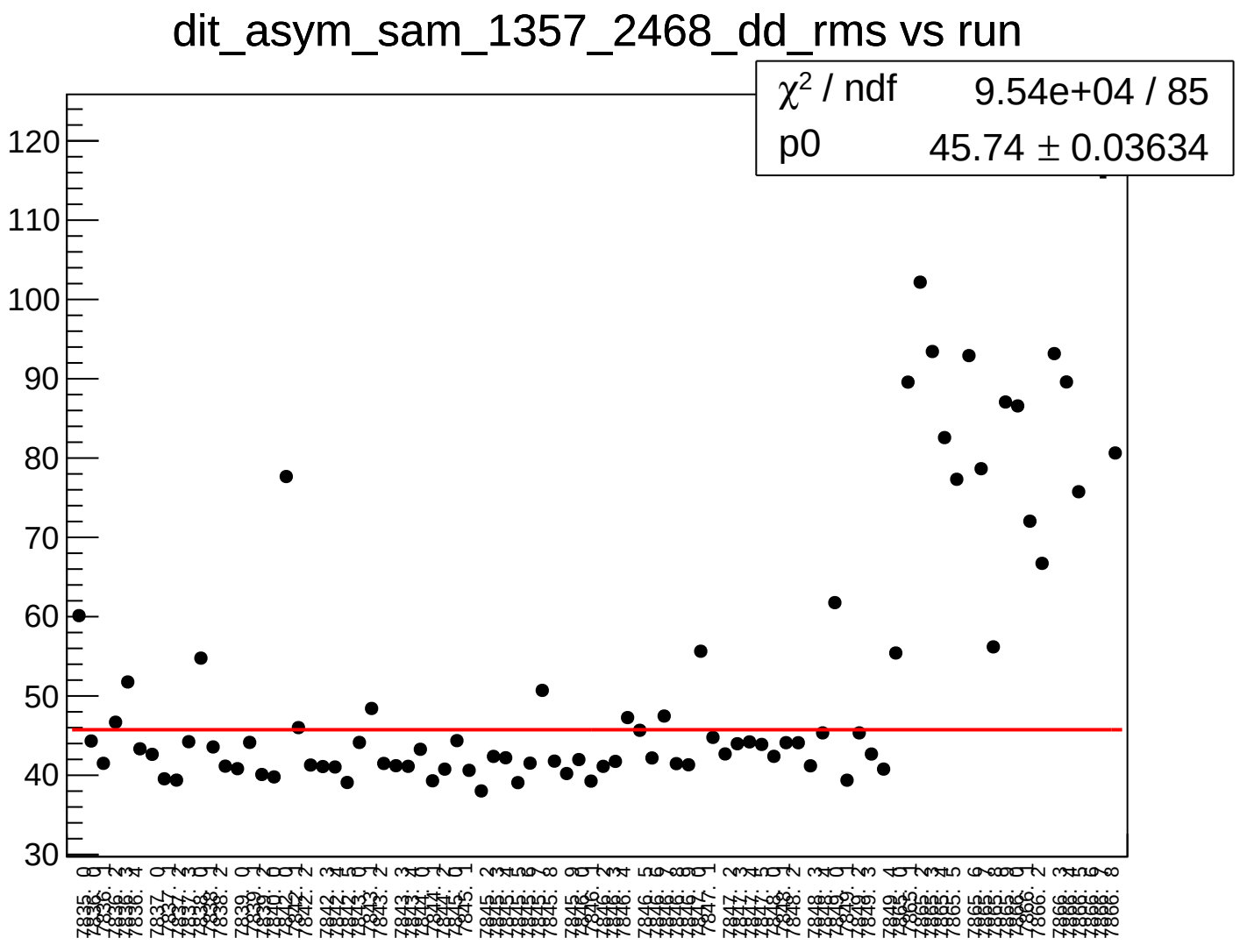

asym_sam_2468_avg_mean vs run
×10^3
χ^2 / ndf 81.43 / 85
p0 325.6 ± 2792
100
50
0
−50
−100
pull
Entries 86
Mean 191.2
Std Dev 157.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

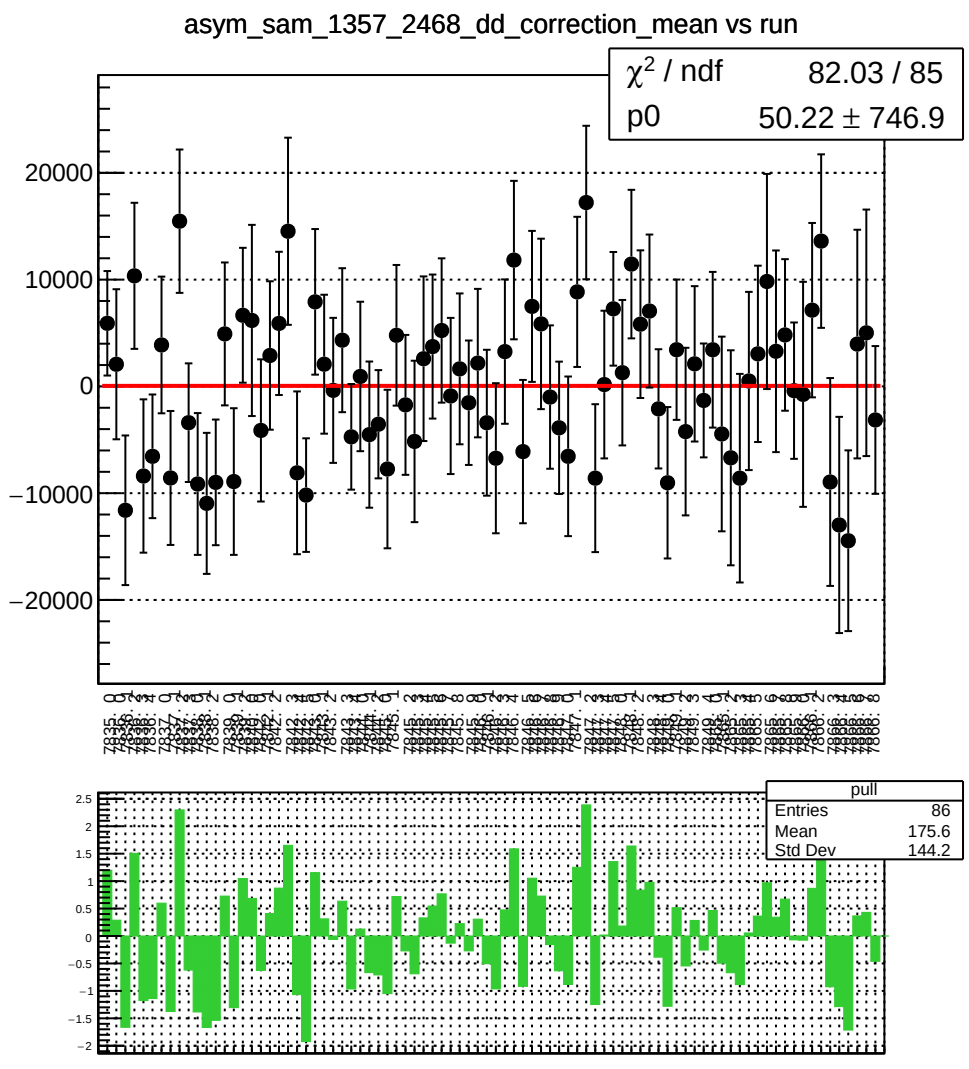

pull1D
Entries 86
Mean 0.01637
Std Dev 0.9729
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

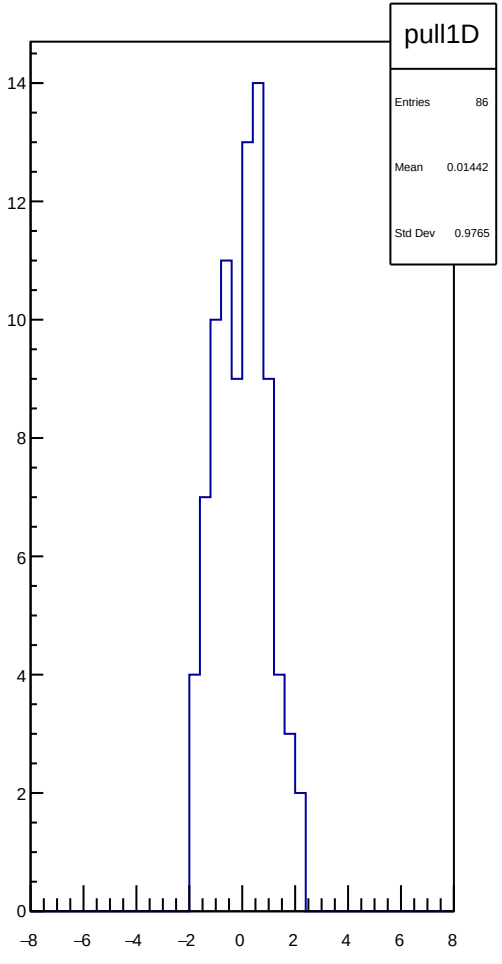

asym_sam_2468_avg_rms vs run
χ² / ndf 2.122e+04 / 85
p0 2543 ± 1.975
4000
3500
3000
2500
2000

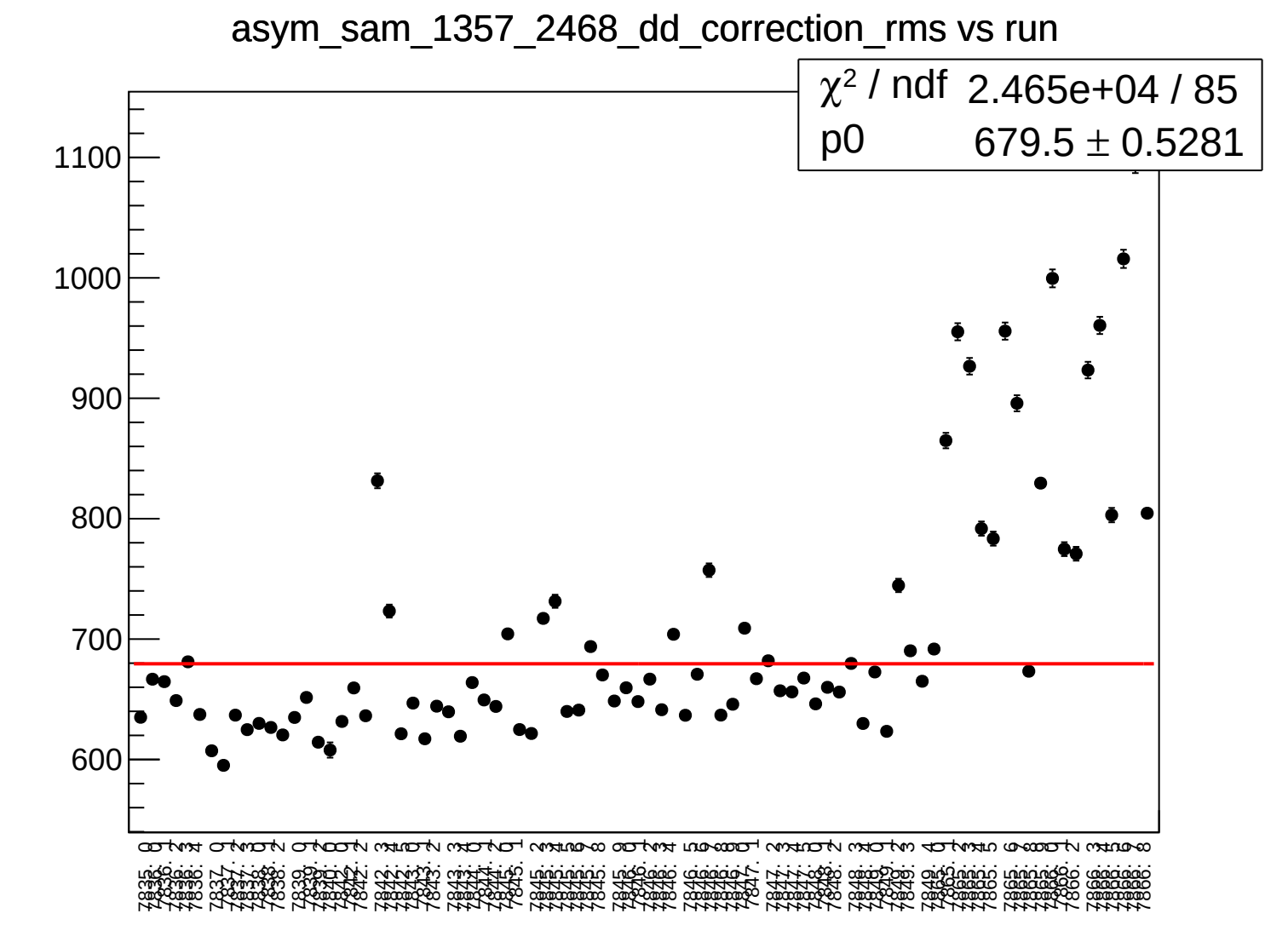

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 83.46 / 85
p0 −25.96 ± 51.39
pull
Entries 86
Mean 280.2
Std Dev 237.1

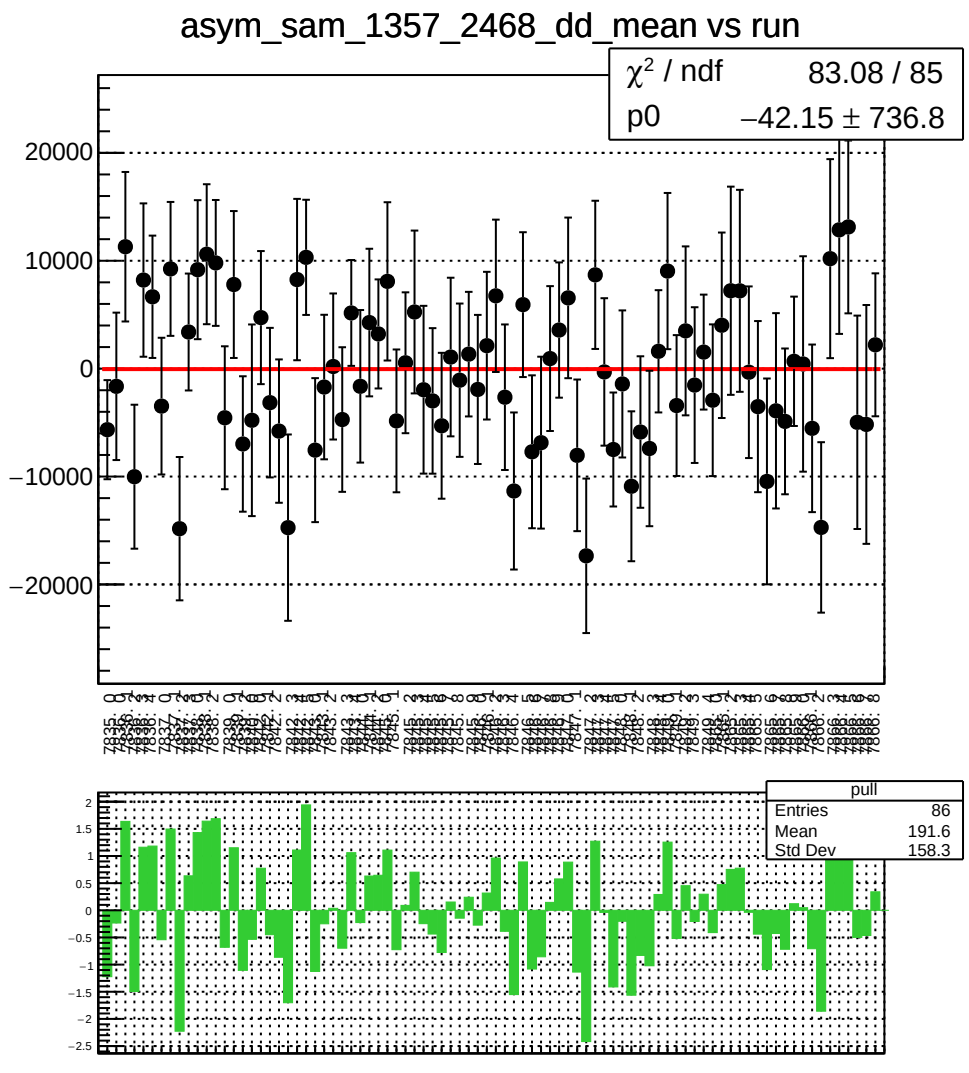

pull1D
Entries 86
Mean −0.01638
Std Dev 0.985

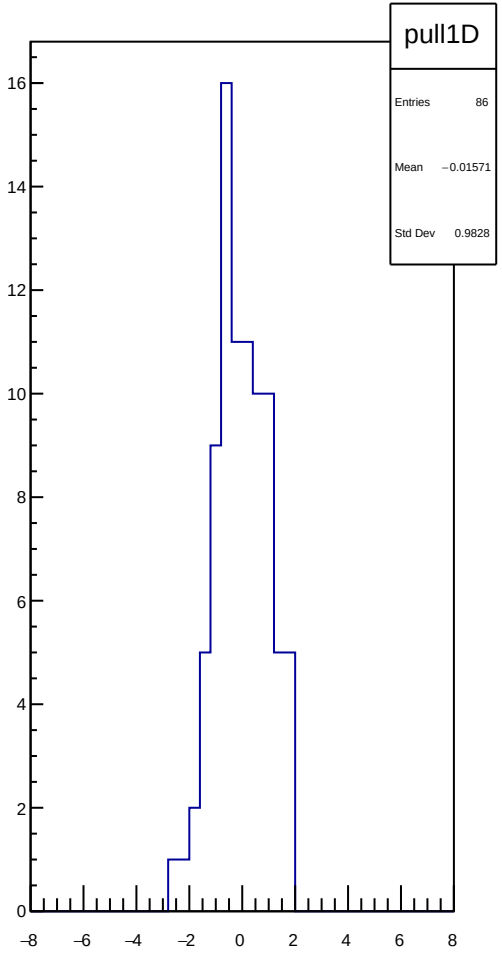

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 9.54e+04 / 85
p0 45.74 ± 0.03634
120
110
100
90
80
70
60
50
40
30

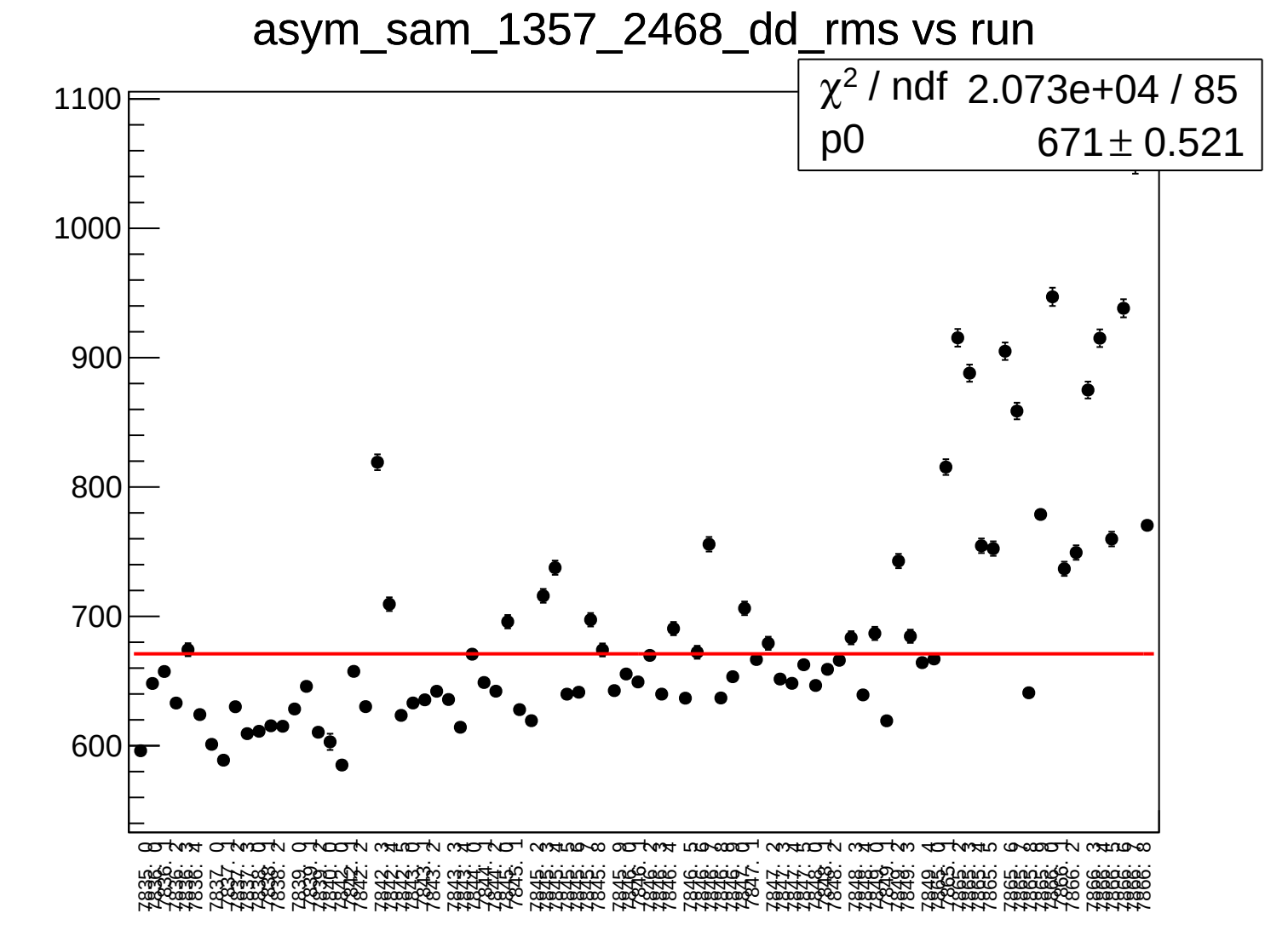

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 82.03 / 85
p0 50.22 ± 746.9
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 175.6
Std Dev 144.2
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

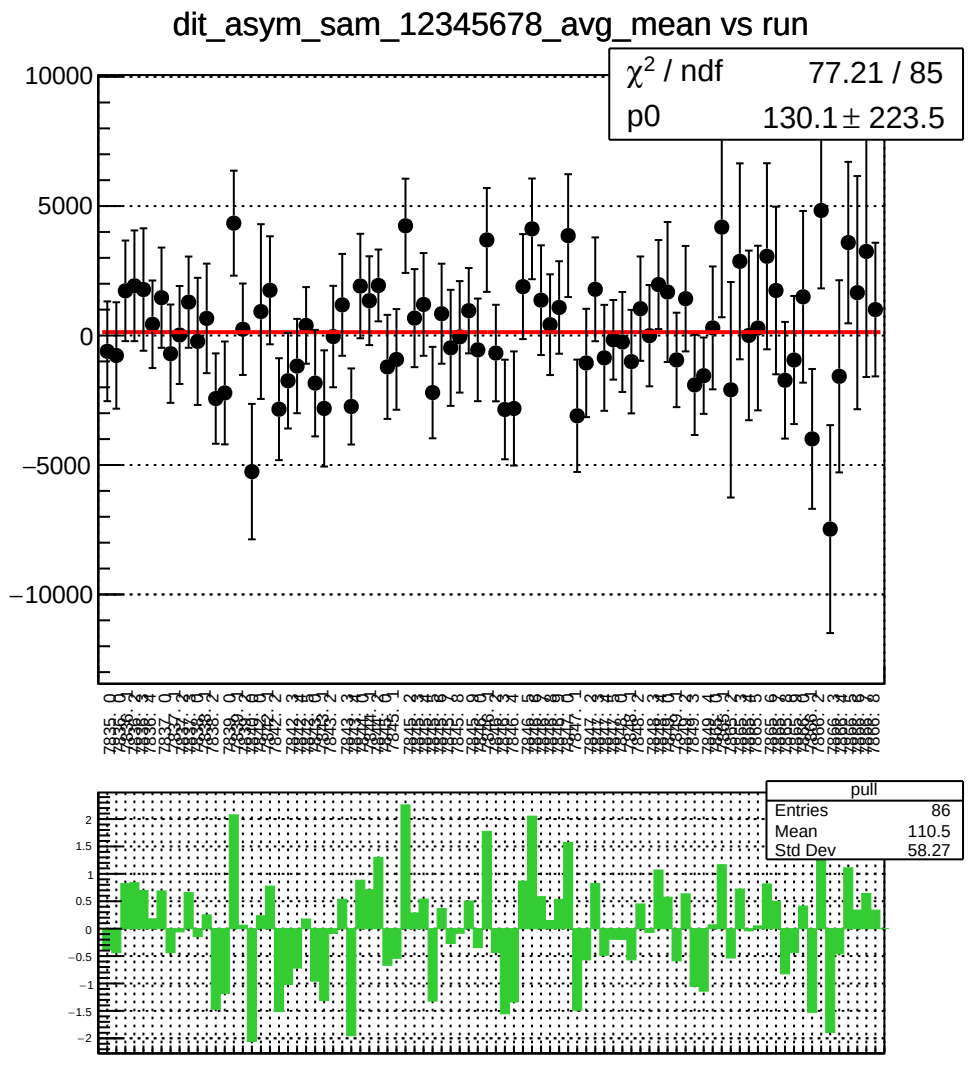

pull1D
Entries 86
Mean 0.01442
Std Dev 0.9765
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

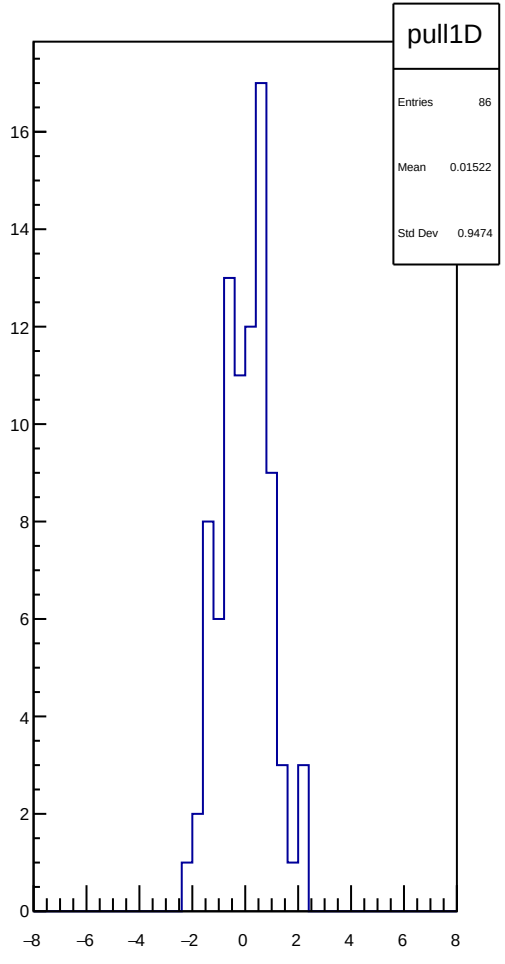

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2.465e+04 / 85
p0 679.5 ± 0.5281
1100
1000
900
800
700
600

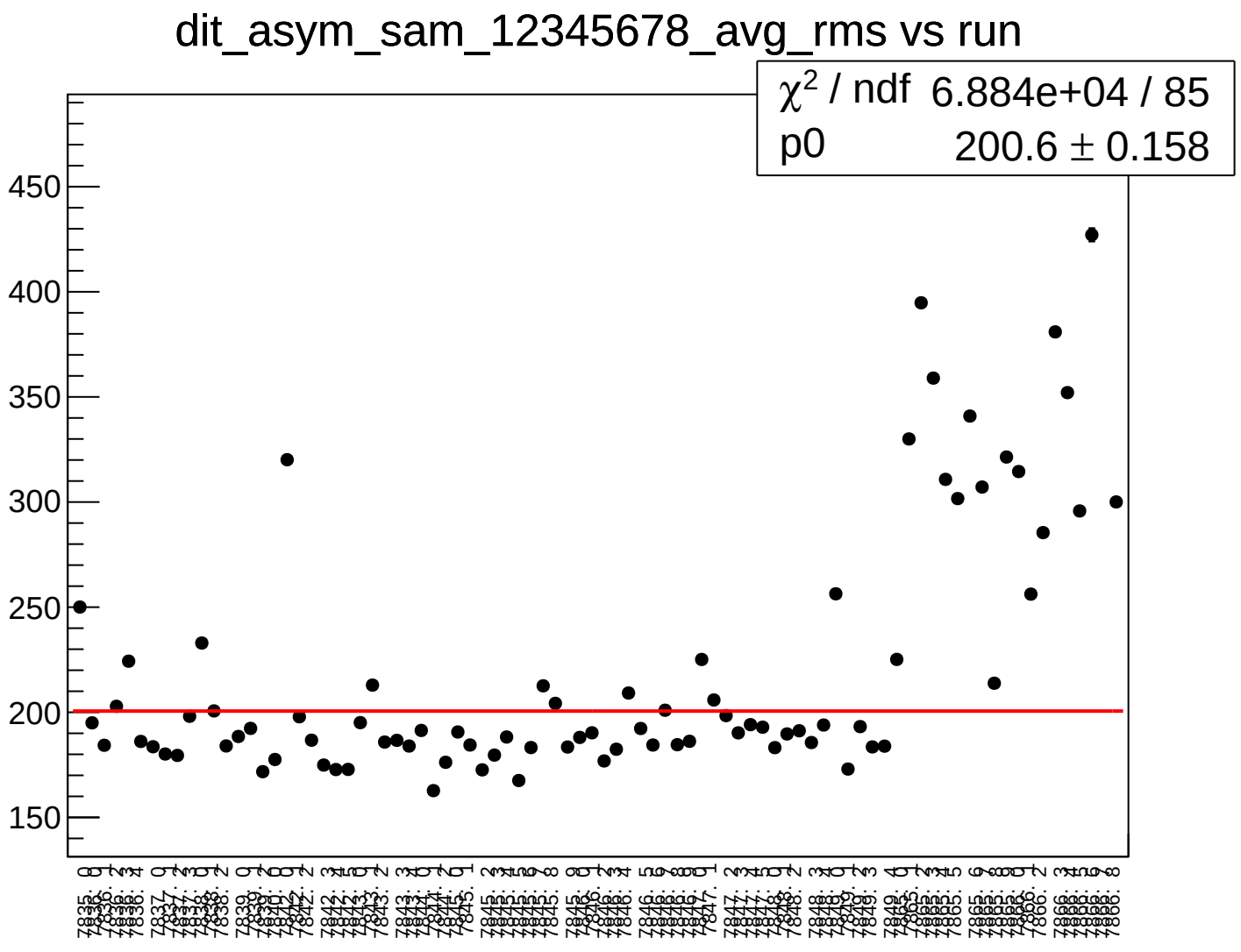

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 83.08 / 85
p0 −42.15 ± 736.8
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 191.6
Std Dev 158.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

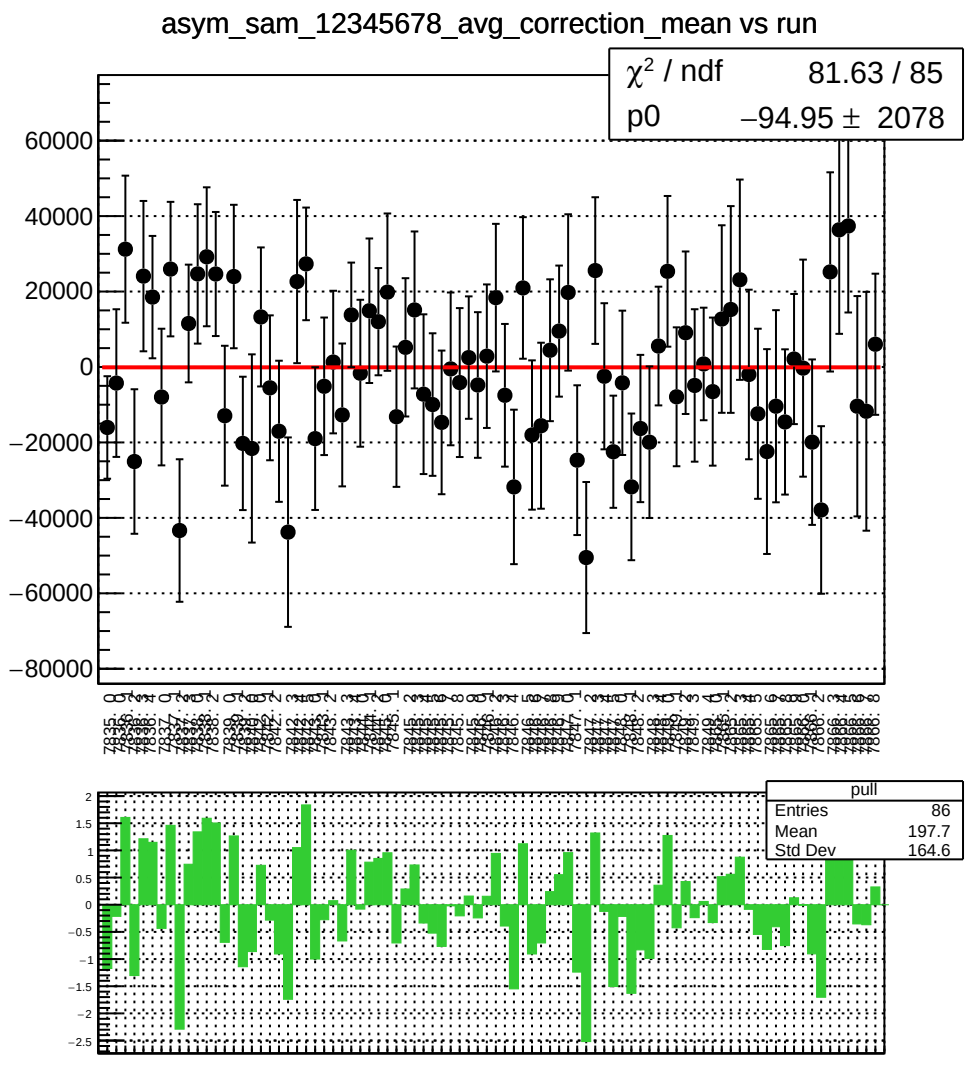

pull1D
Entries 86
Mean −0.01571
Std Dev 0.9828
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

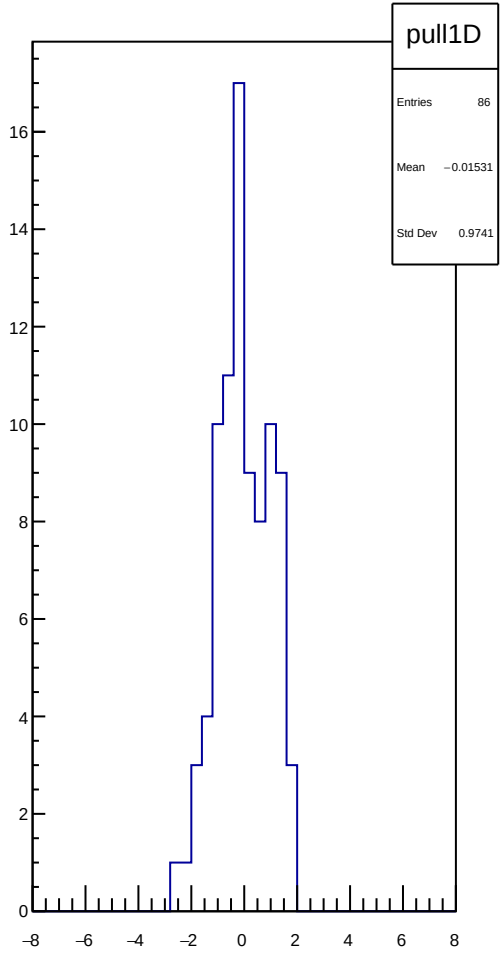

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.073e+04 / 85
p0 671 ± 0.521
1100
1000
900
800
700
600

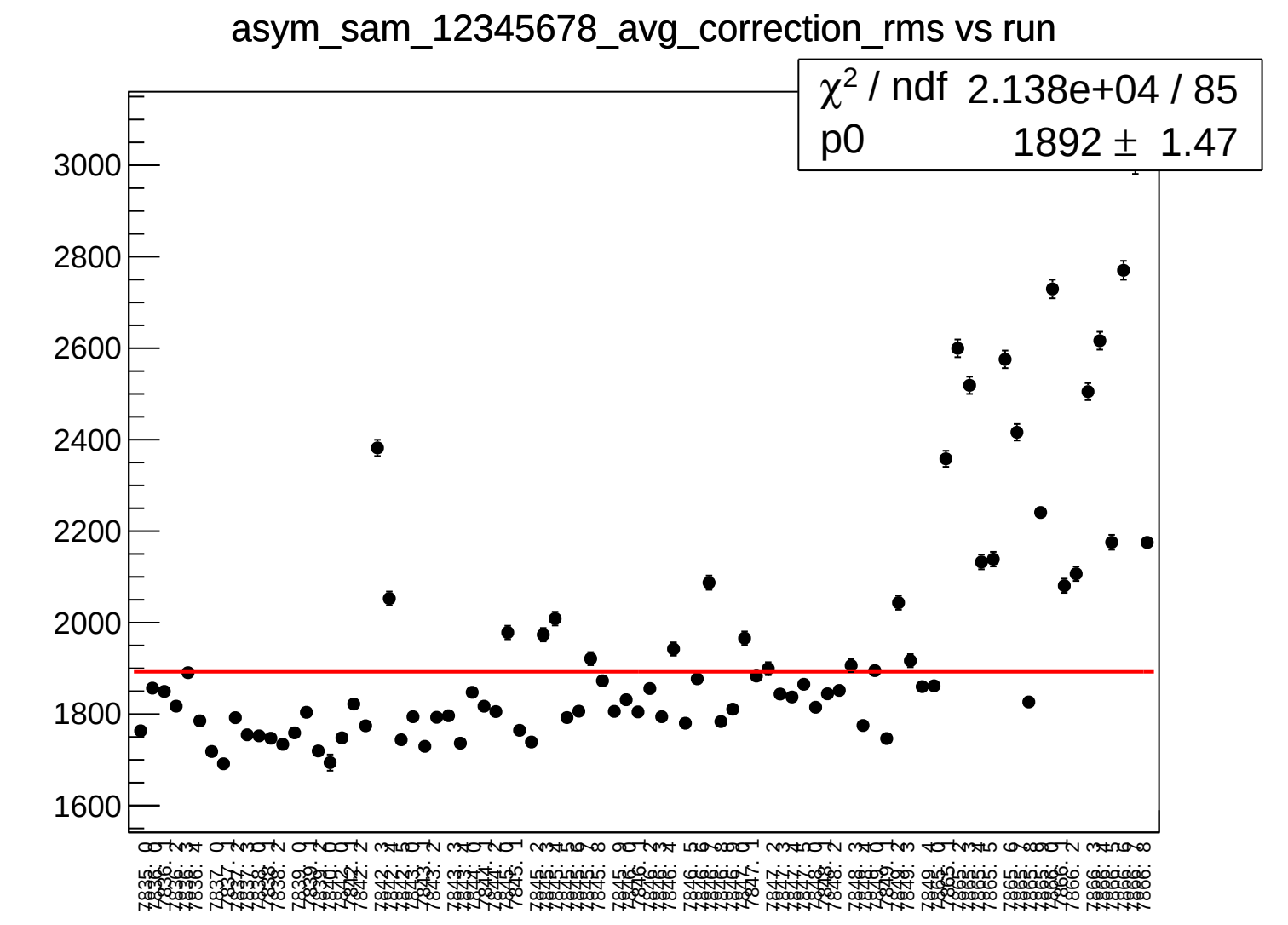

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 77.21 / 85
p0 130.1 ± 223.5
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 110.5
Std Dev 58.27
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

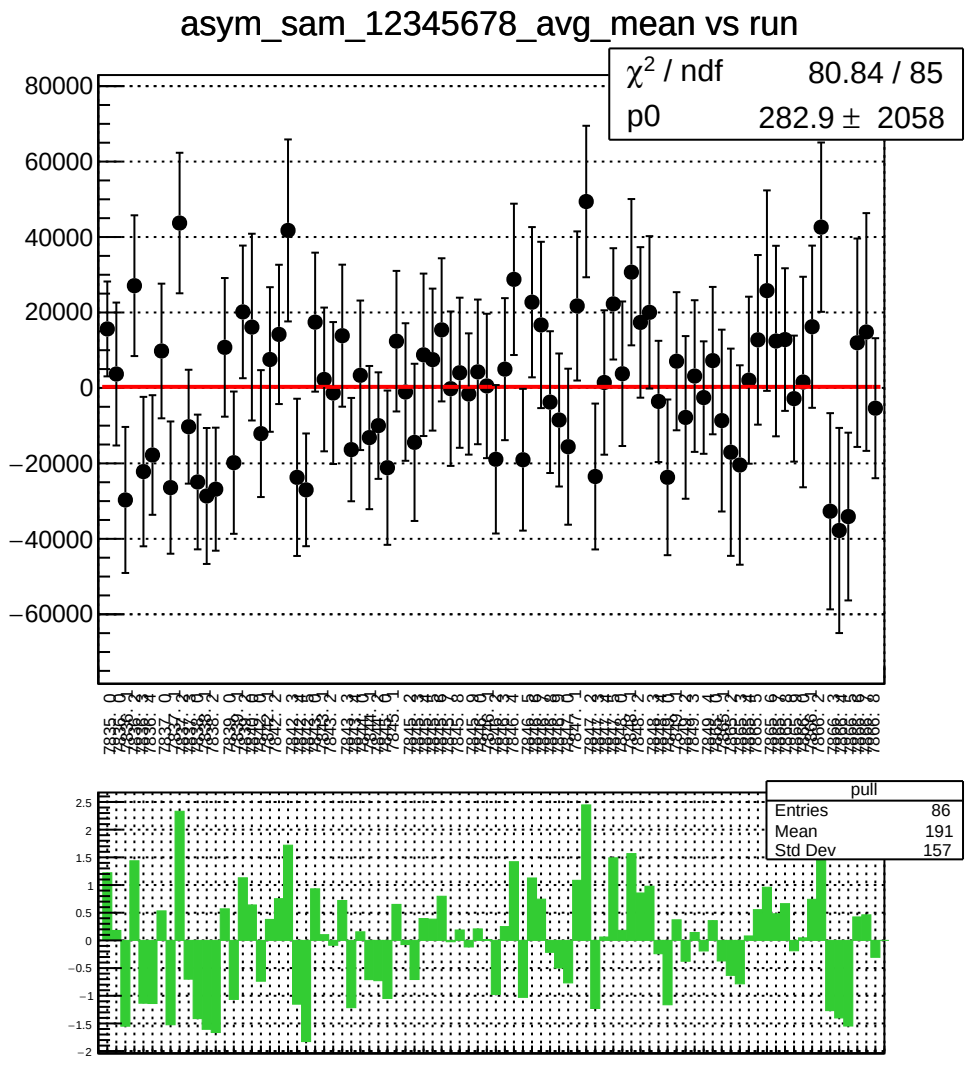

pull1D
Entries 86
Mean 0.01522
Std Dev 0.9474
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

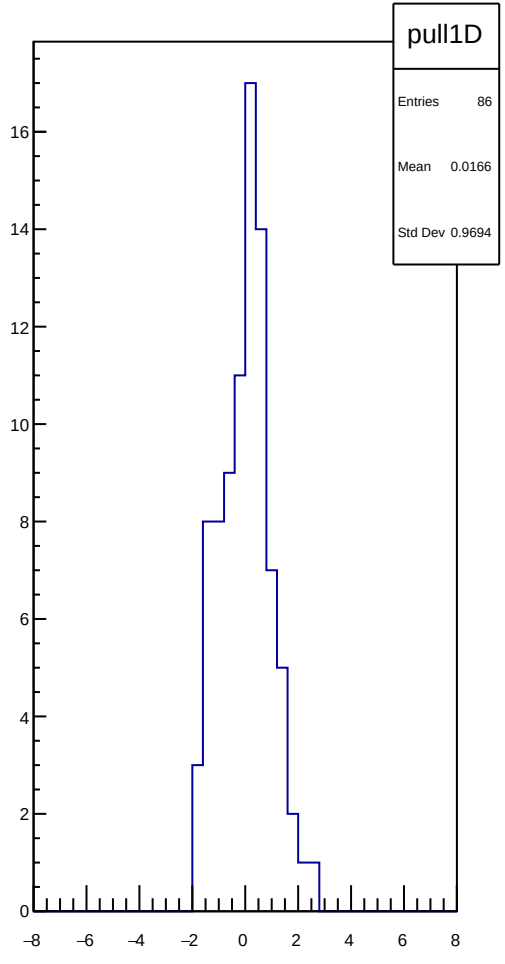

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 6.884e+04 / 85
p0 200.6 ± 0.158
450
400
350
300
250
200
150

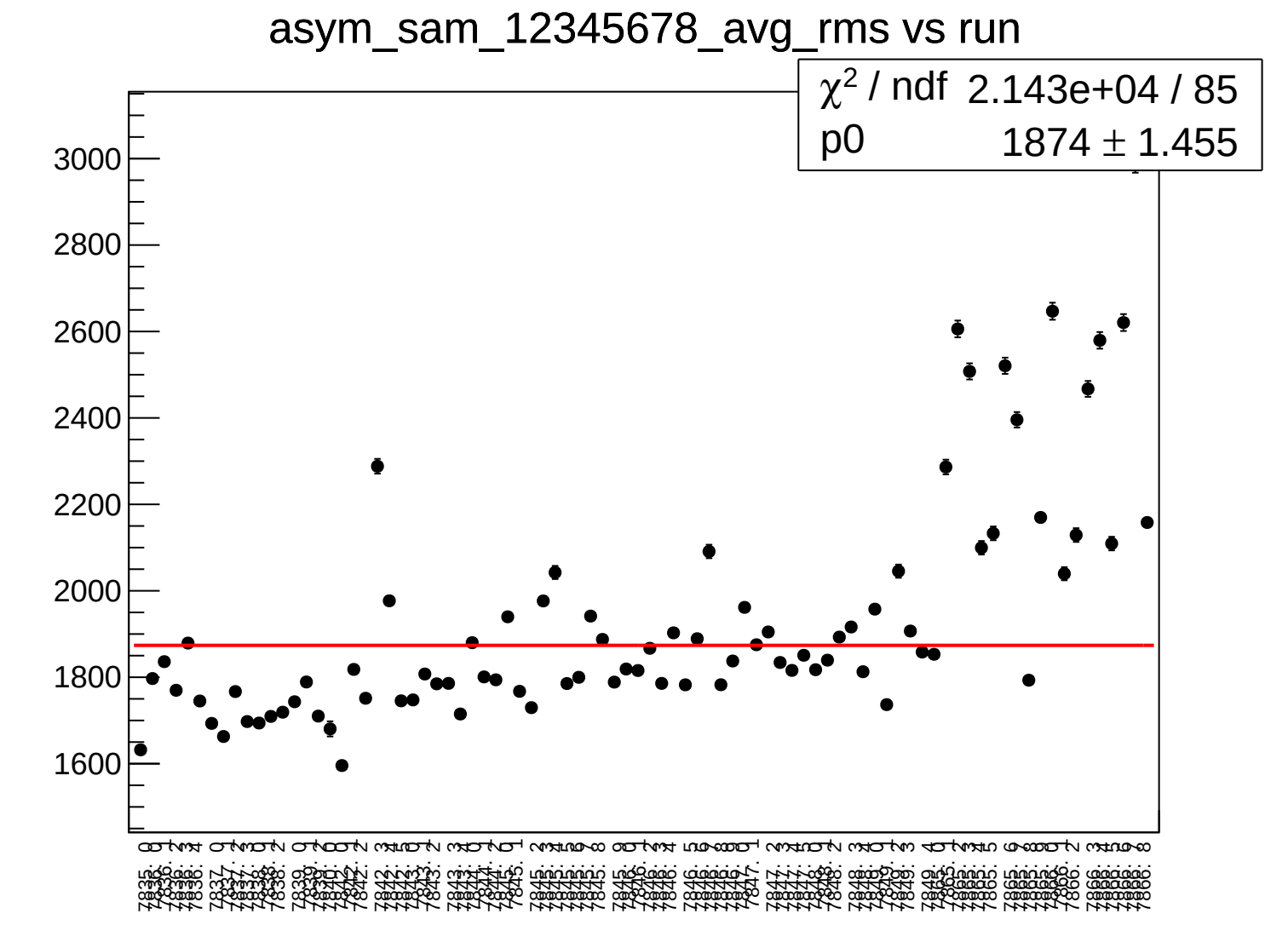

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 81.63 / 85
p0 −94.95 ± 2078
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean 197.7
Std Dev 164.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

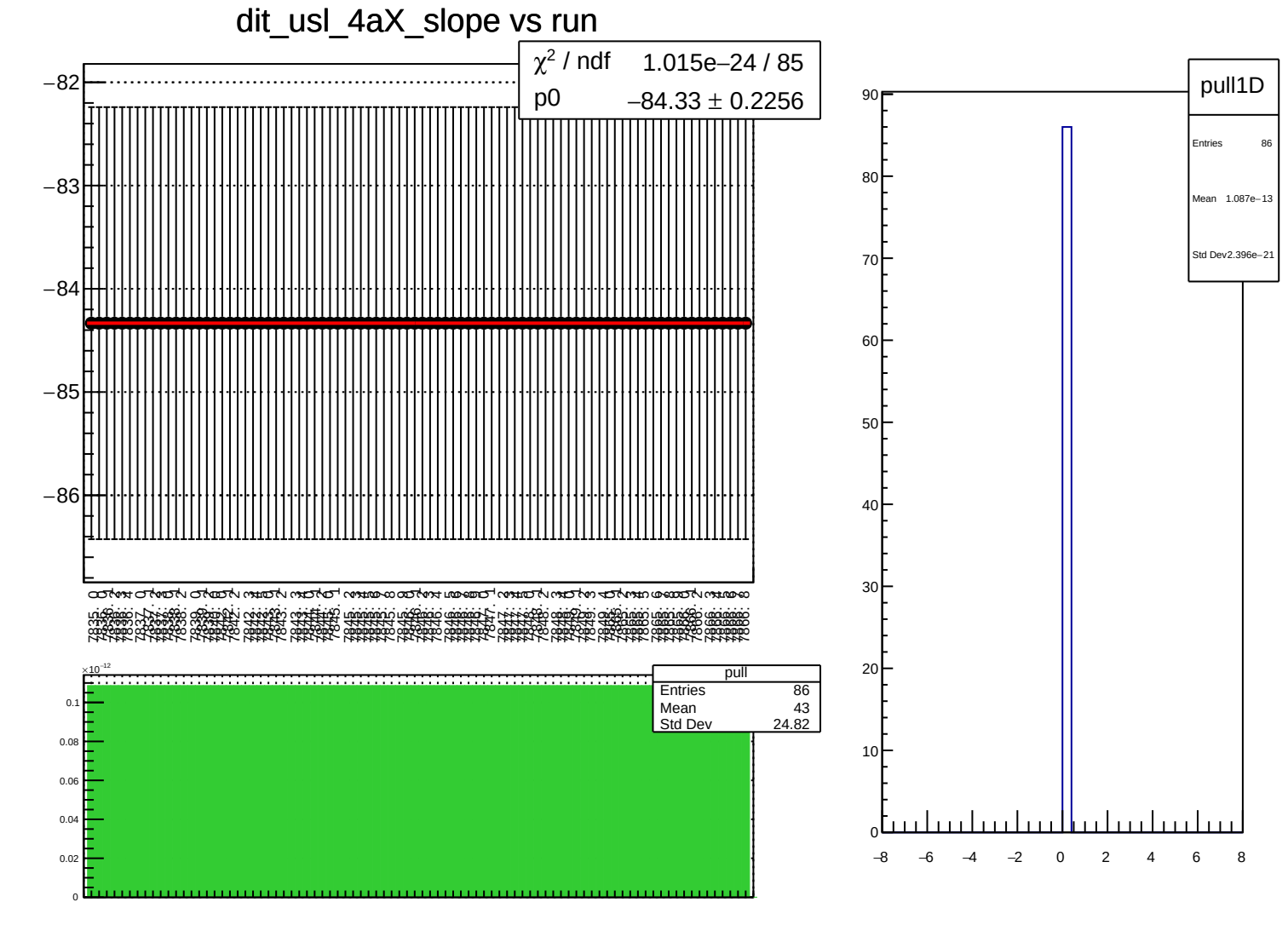

pull1D
Entries 86
Mean −0.01531
Std Dev 0.9741
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

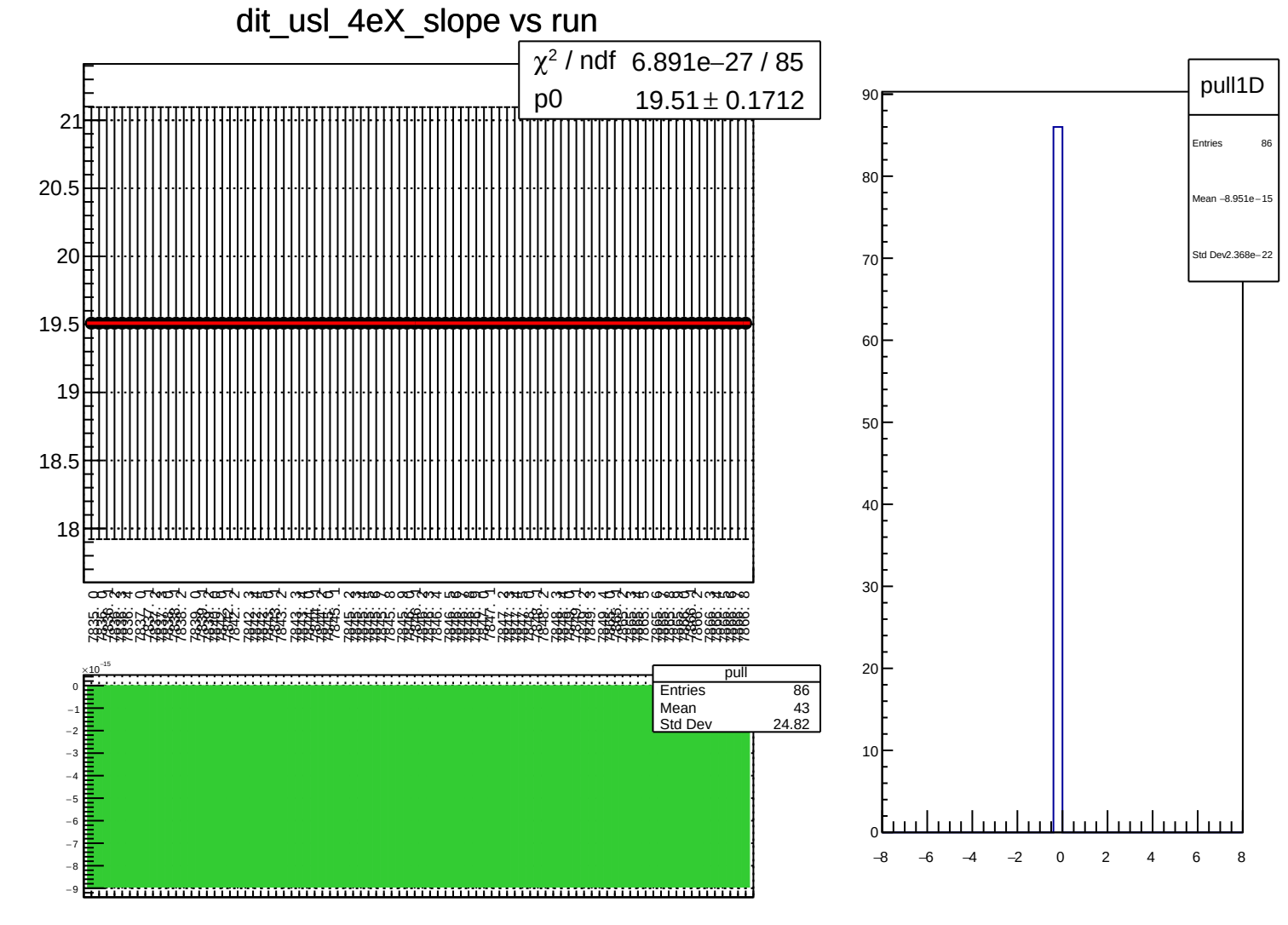

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2.138e+04 / 85
p0 1892 ± 1.47
3000
2800
2600
2400
2200
2000
1800
1600

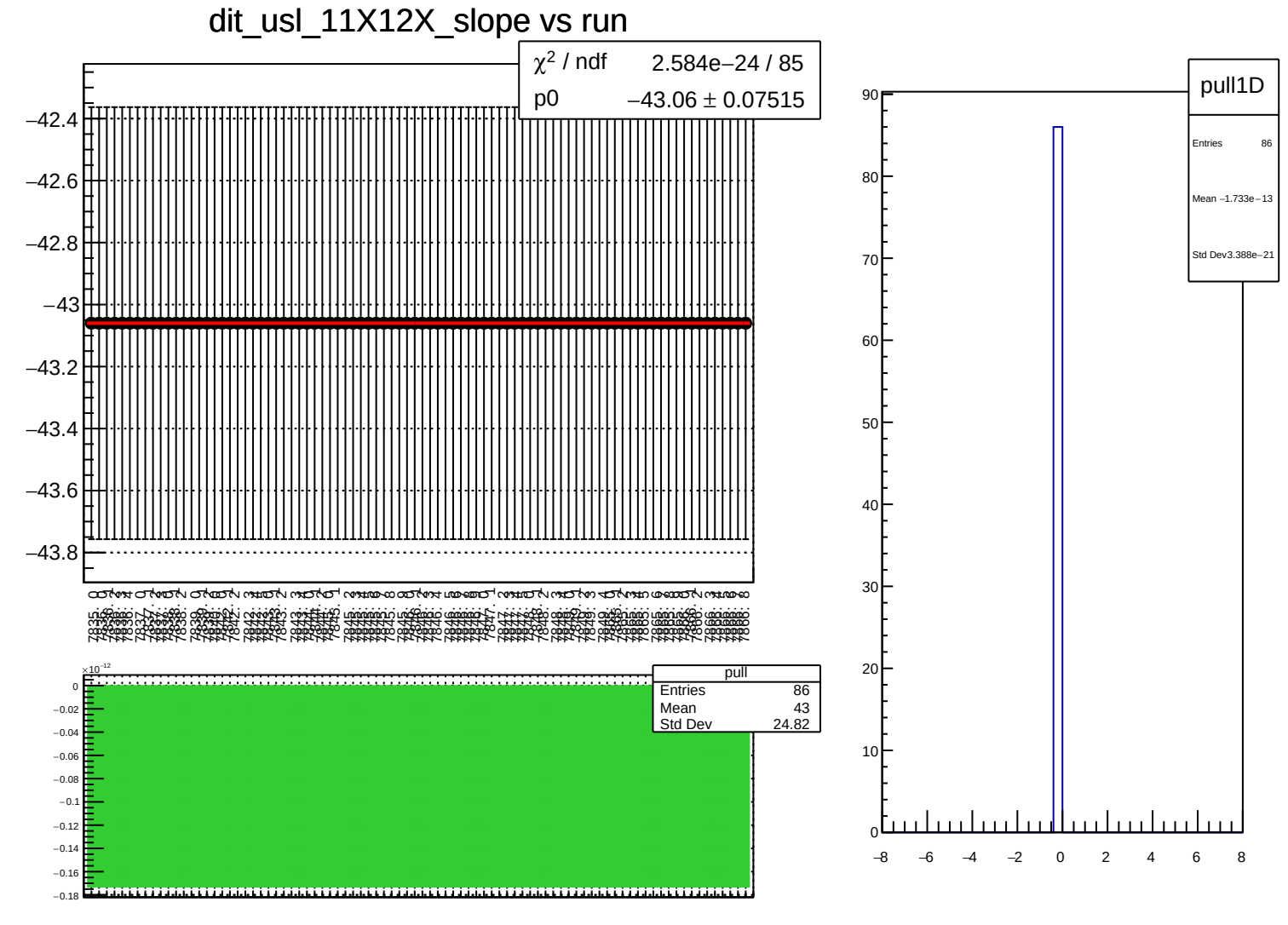

asym_sam_12345678_avg_mean vs run
χ² / ndf 80.84 / 85
p0 282.9 ± 2058
pull
Entries 86
Mean 191
Std Dev 157

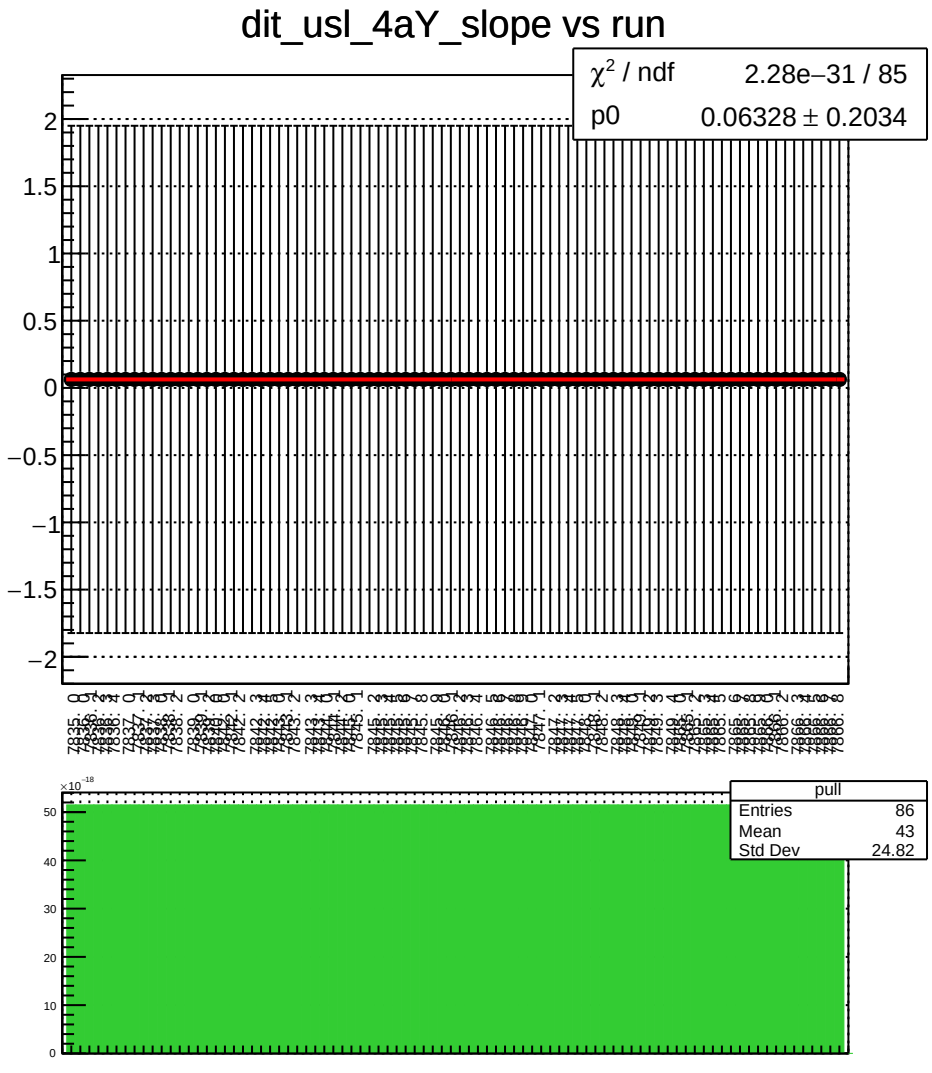

pull1D
Entries 86
Mean 0.0166
Std Dev 0.9694

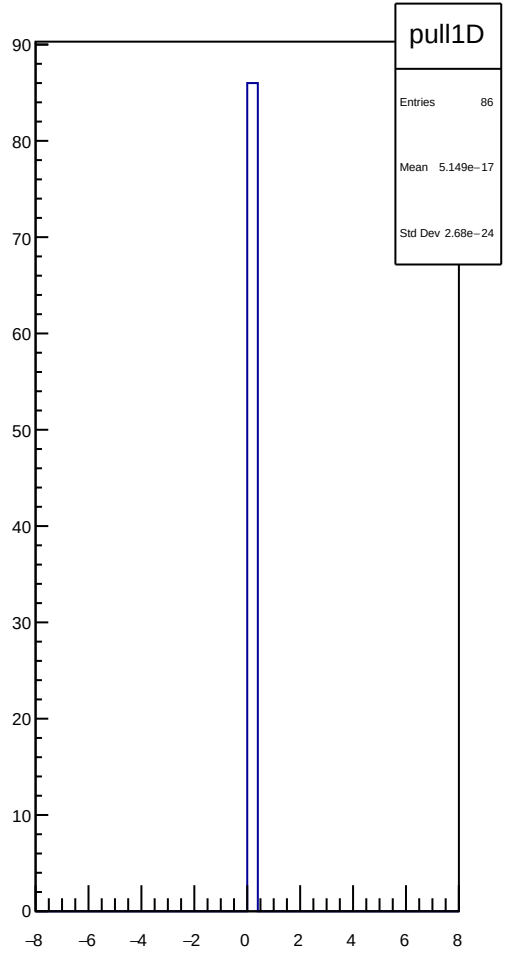

asym_sam_12345678_avg_rms vs run
χ² / ndf 2.143e+04 / 85
p0 1874 ± 1.455
3000
2800
2600
2400
2200
2000
1800
1600

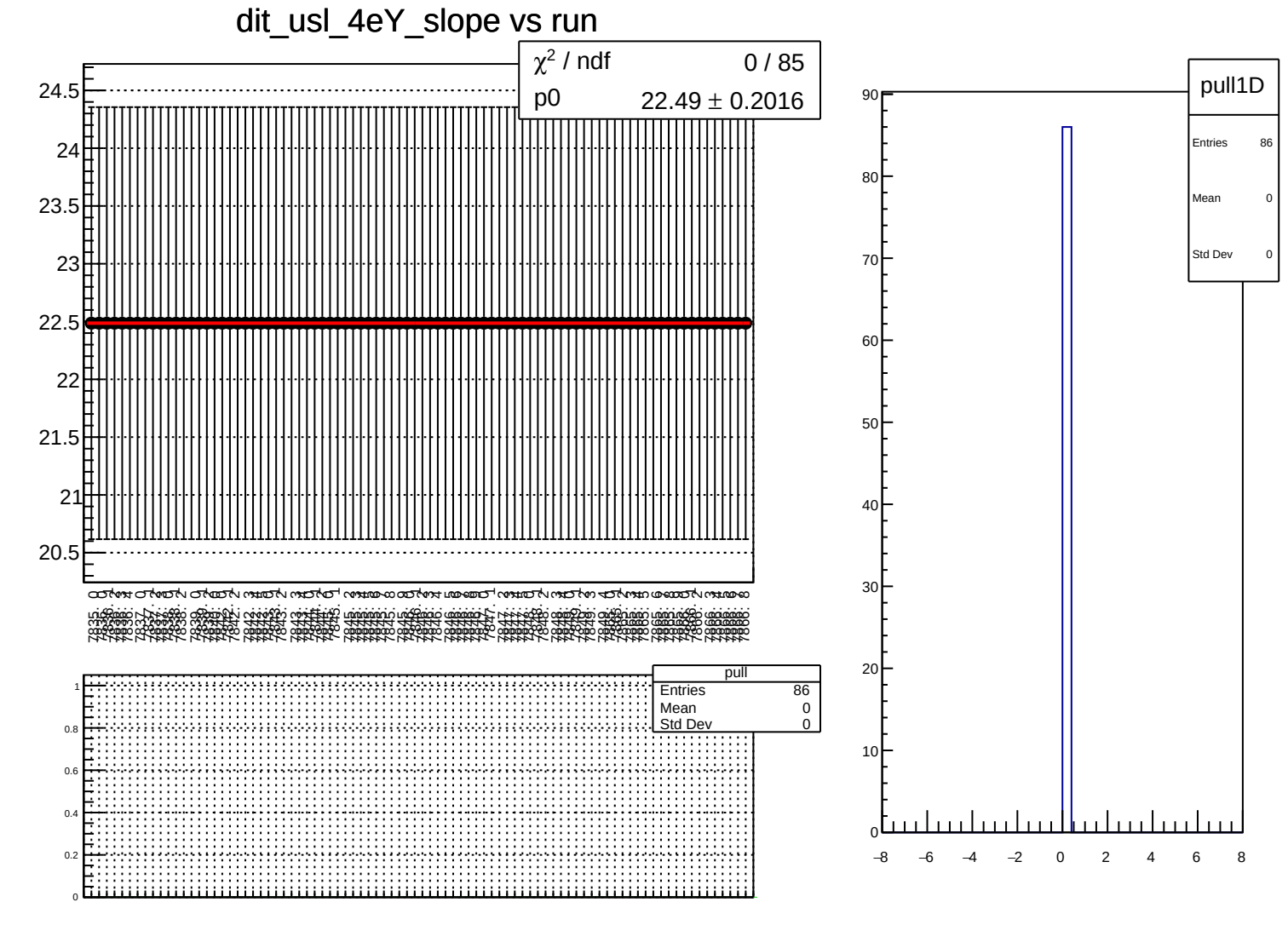

dit_usl_4aX_slope vs run
χ² / ndf 1.015e−24 / 85
p0 −84.33 ± 0.2256
−82
−83
−84
−85
−86
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 1.087e−13
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

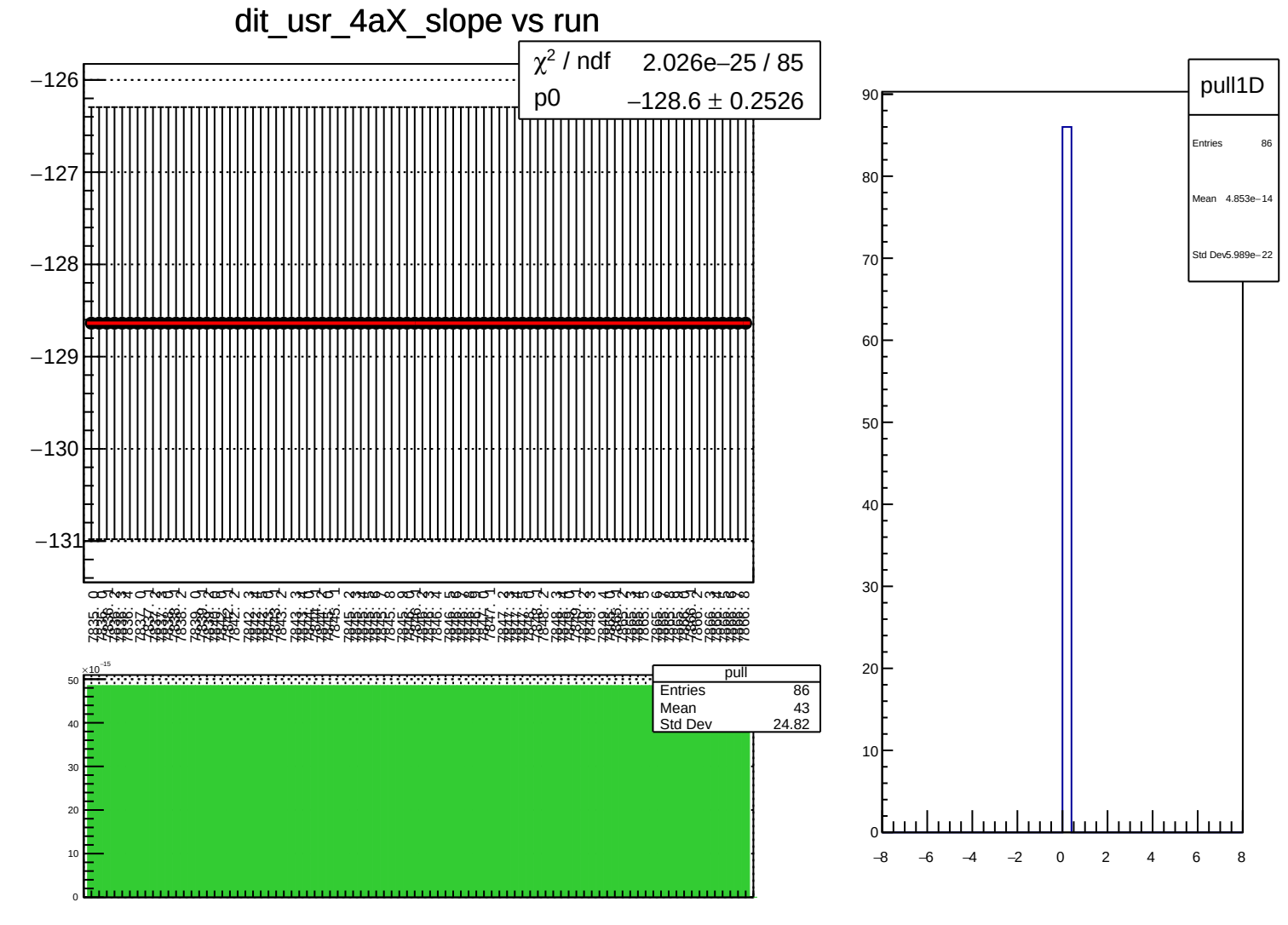

dit_usl_4eX_slope vs run
χ² / ndf 6.891e−27 / 85
p0 19.51 ± 0.1712
21
20.5
20
19.5
19
18.5
18
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
−9
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −8.951e−15
Std Dev 2.368e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

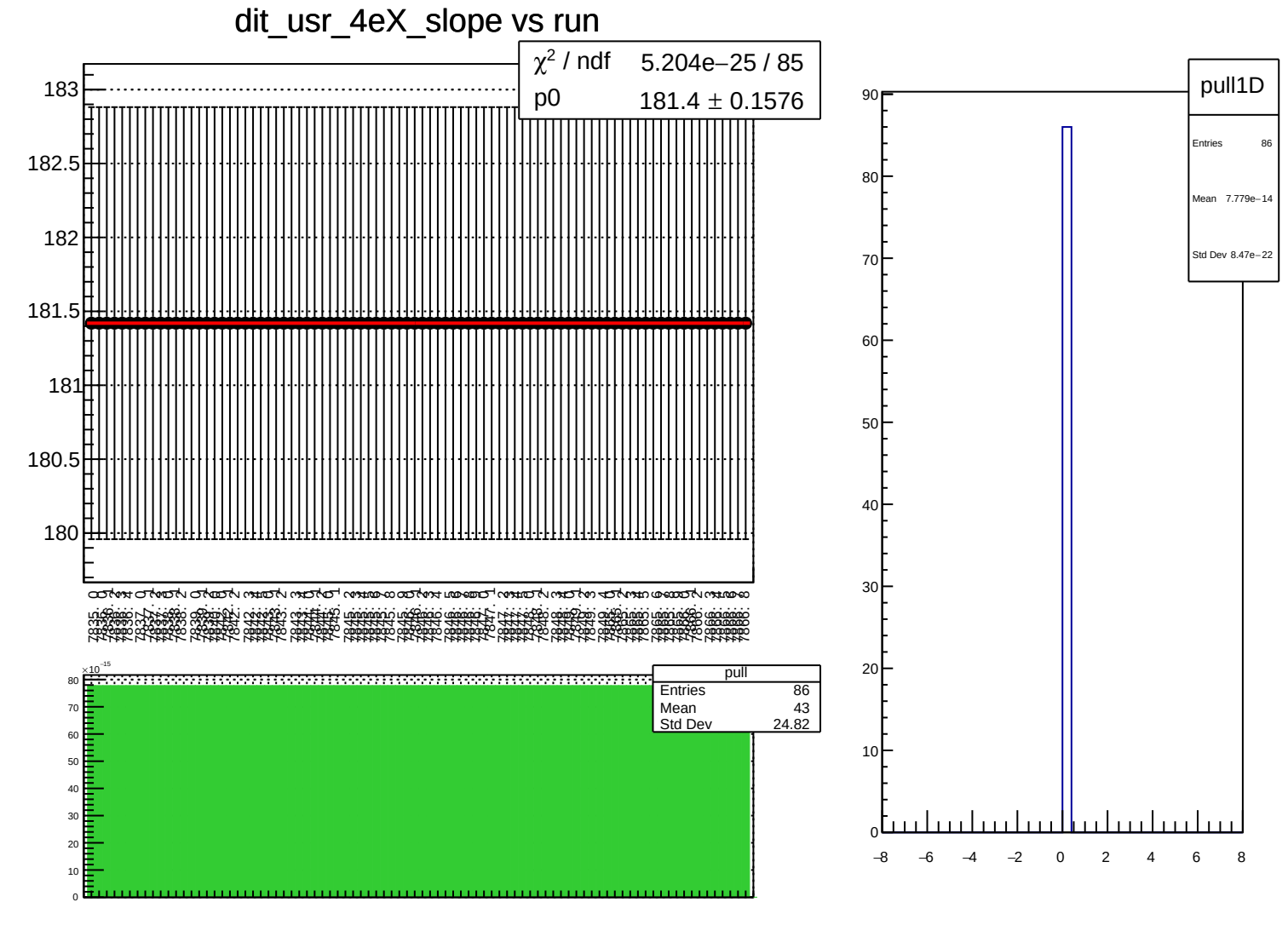

dit_usl_11X12X_slope vs run
χ² / ndf 2.584e−24 / 85
p0 −43.06 ± 0.07515
−42.4
−42.6
−42.8
−43
−43.2
−43.4
−43.6
−43.8
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 86
Mean −1.733e−13
Std Dev3.388e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

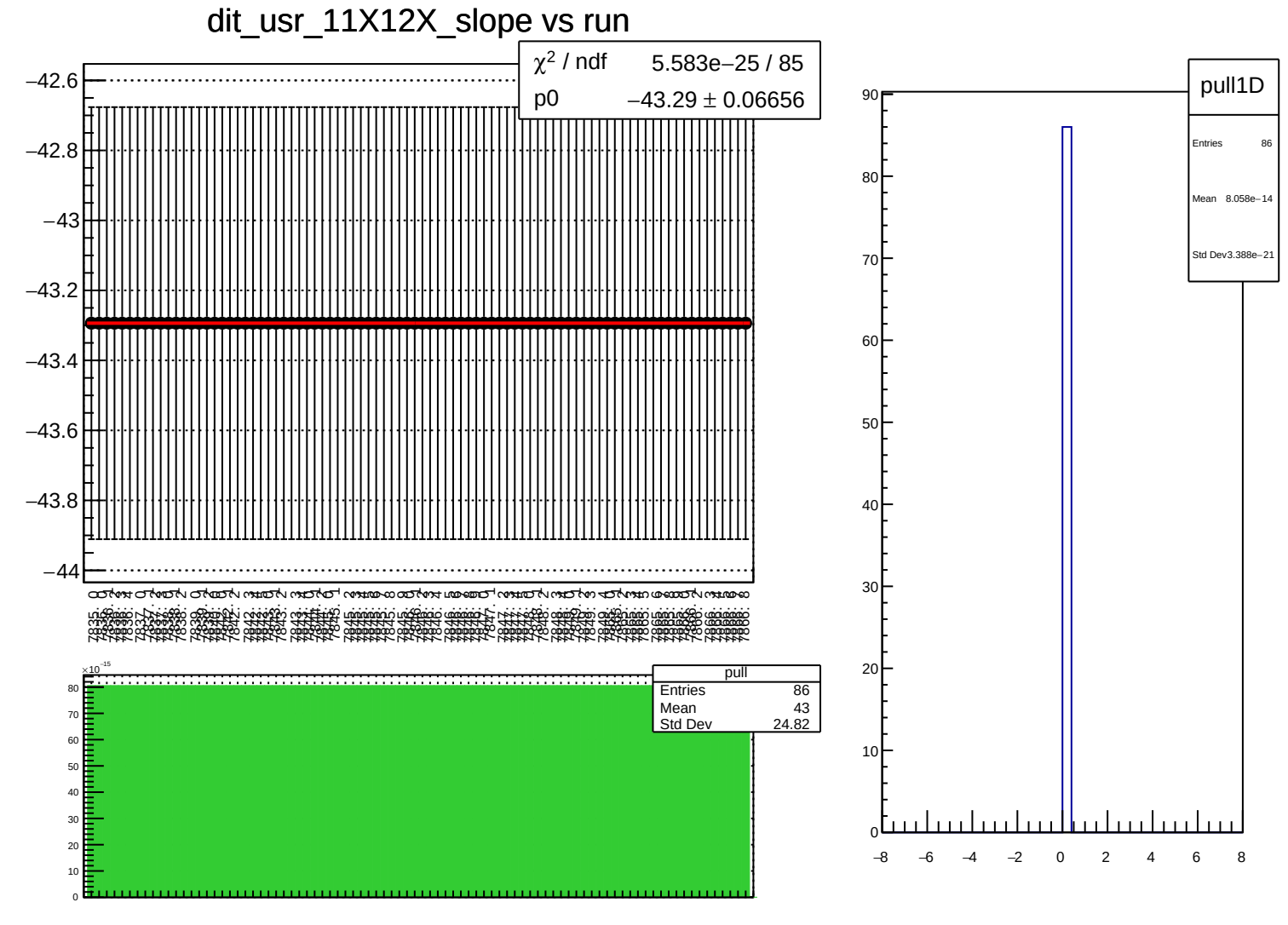

dit_usl_4aY_slope vs run
χ² / ndf 2.28e−31 / 85
p0 0.06328 ± 0.2034
pull
Entries 86
Mean 43
Std Dev 24.82

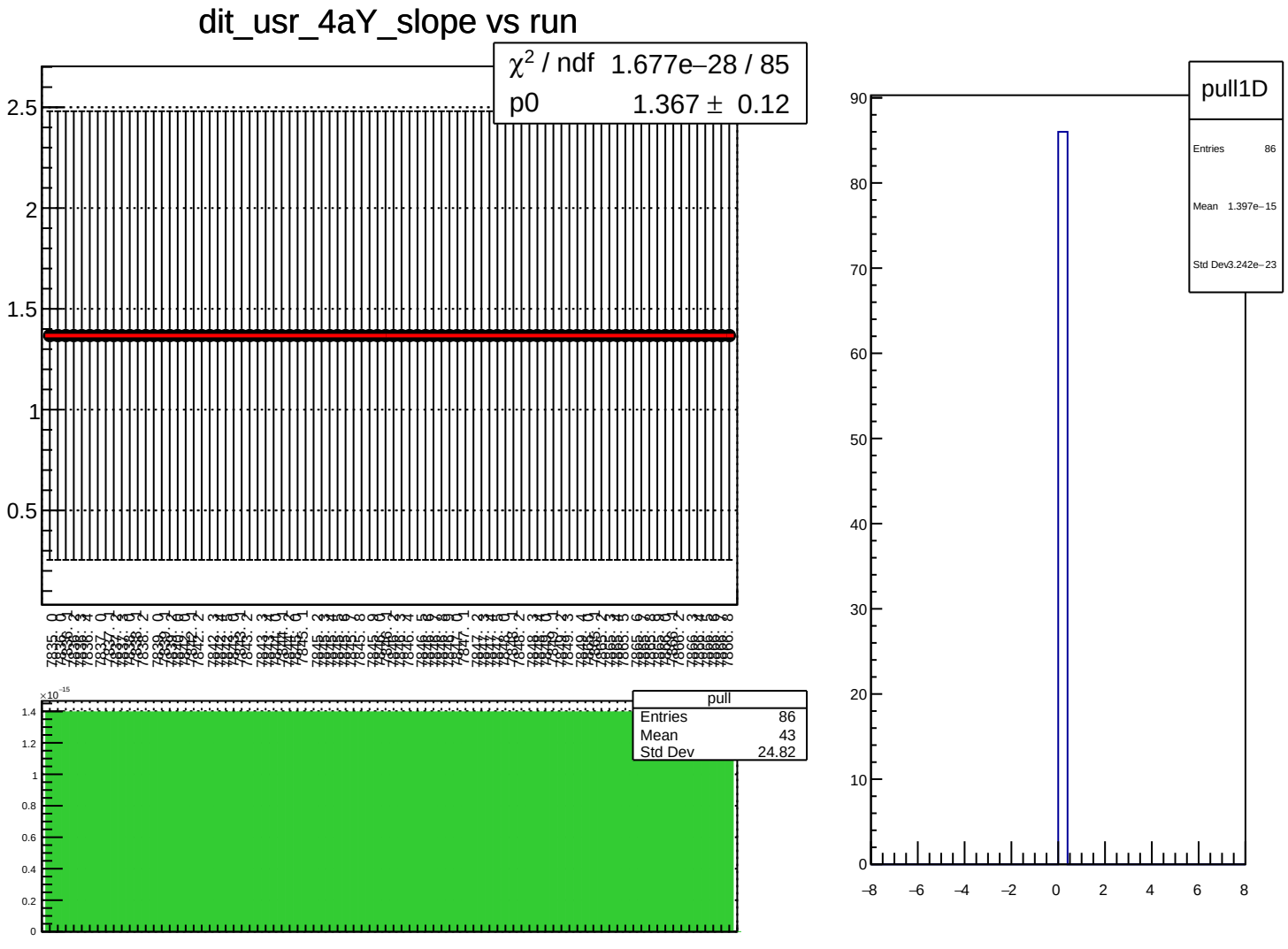

pull1D
Entries 86
Mean 5.149e−17
Std Dev 2.68e−24

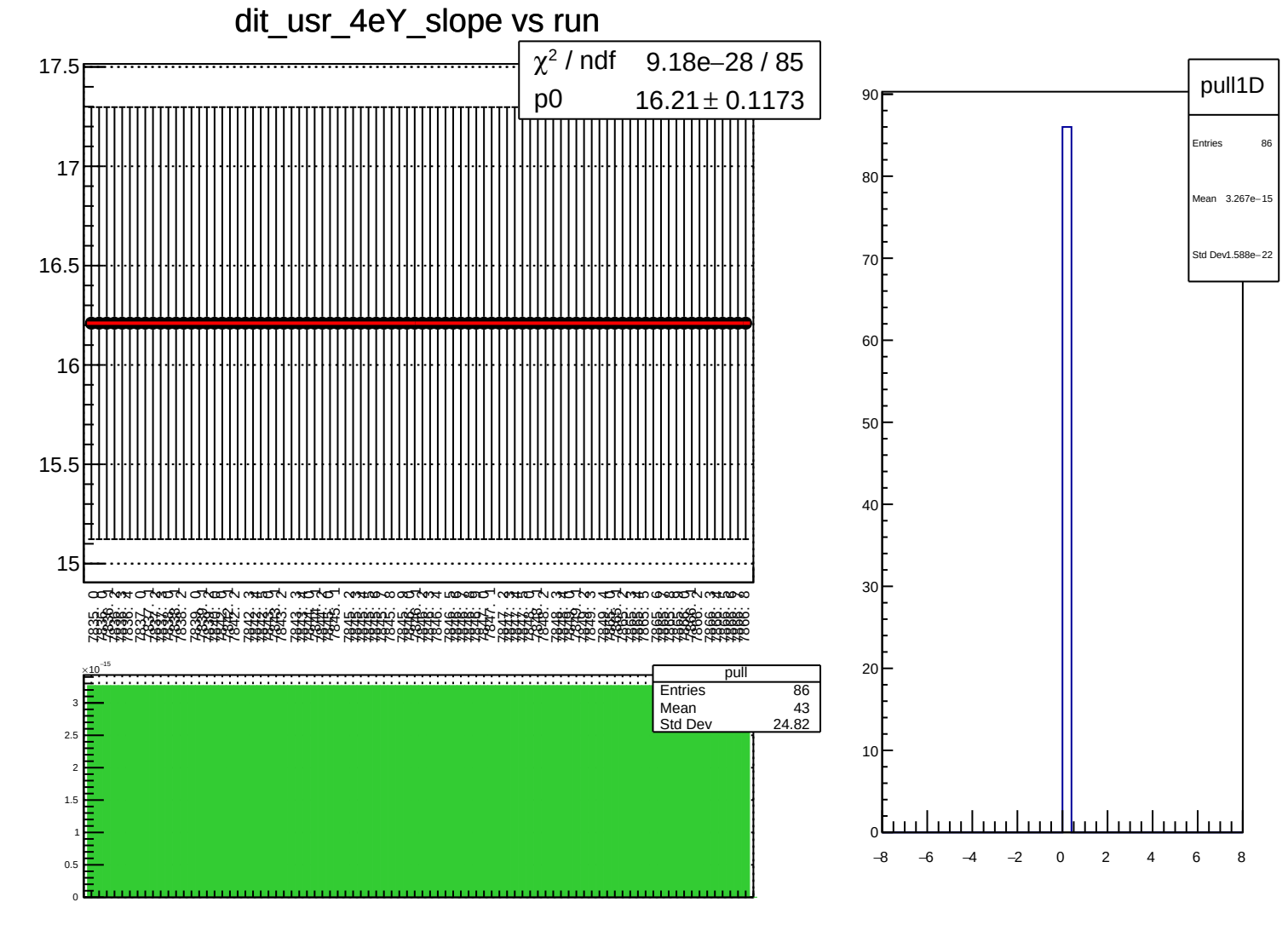

dit_usl_4eY_slope vs run
χ² / ndf 0 / 85
p0 22.49 ± 0.2016
pull
Entries 86
Mean 0
Std Dev 0
pull1D
Entries 86
Mean 0
Std Dev 0

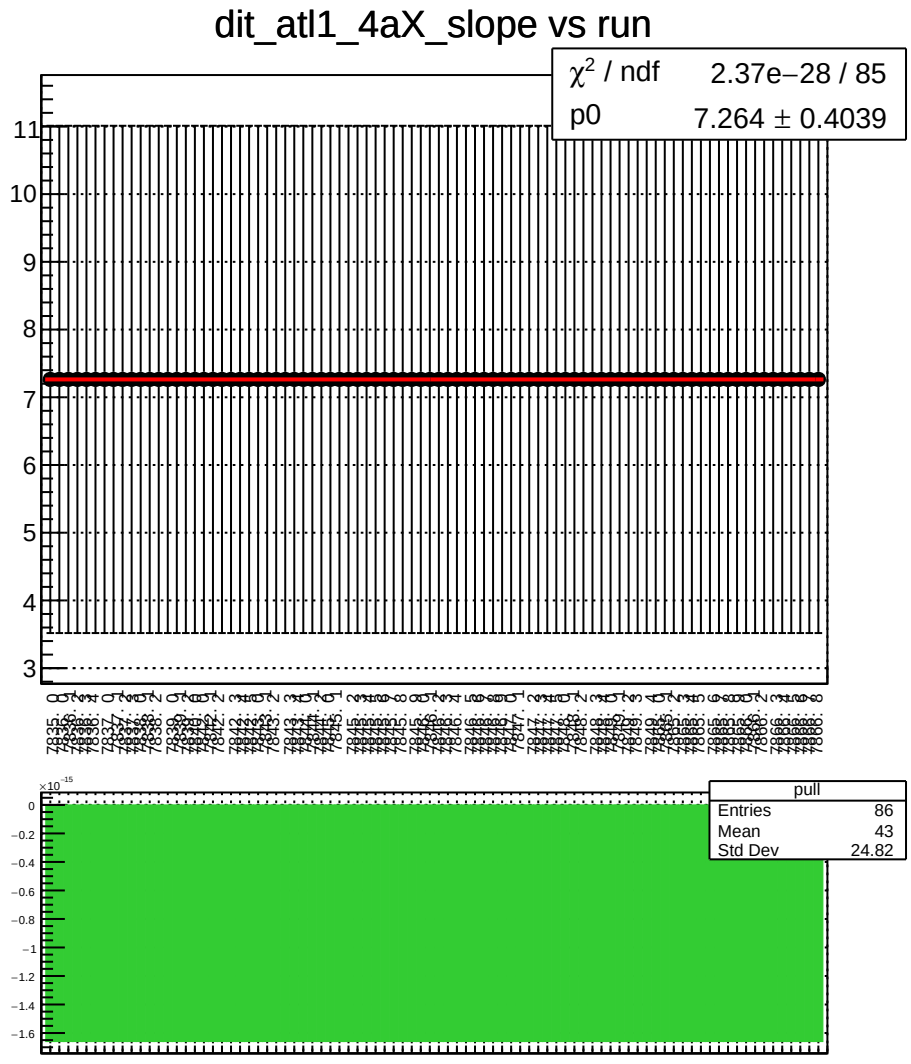

dit_usr_4aX_slope vs run
χ² / ndf 2.026e−25 / 85
p0 −128.6 ± 0.2526
−126
−127
−128
−129
−130
−131
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 86
Mean 4.853e−14
Std Dev 5.989e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

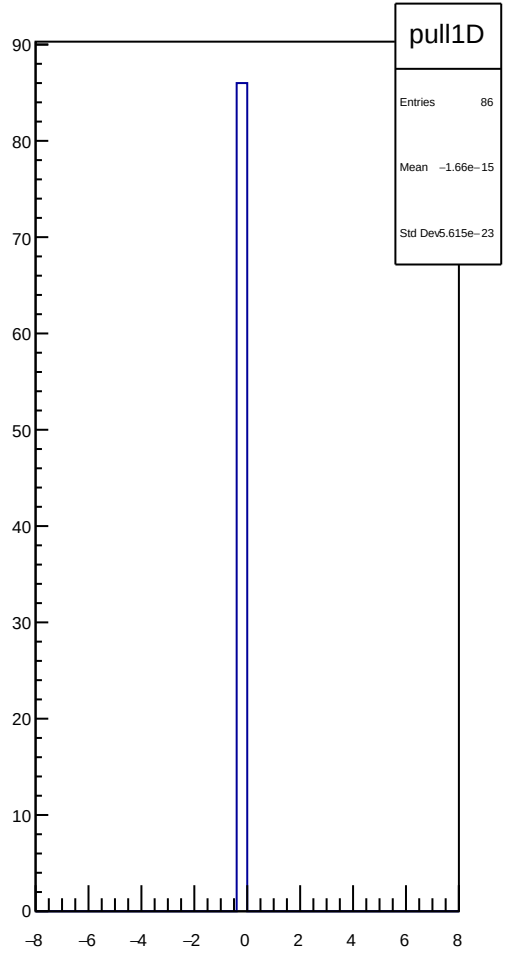

dit_usr_4eX_slope vs run
χ² / ndf 5.204e−25 / 85
p0 181.4 ± 0.1576
183
182.5
182
181.5
181
180.5
180
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
80
70
60
50
40
30
20
10
0
pull1D
Entries 86
Mean 7.779e−14
Std Dev 8.47e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

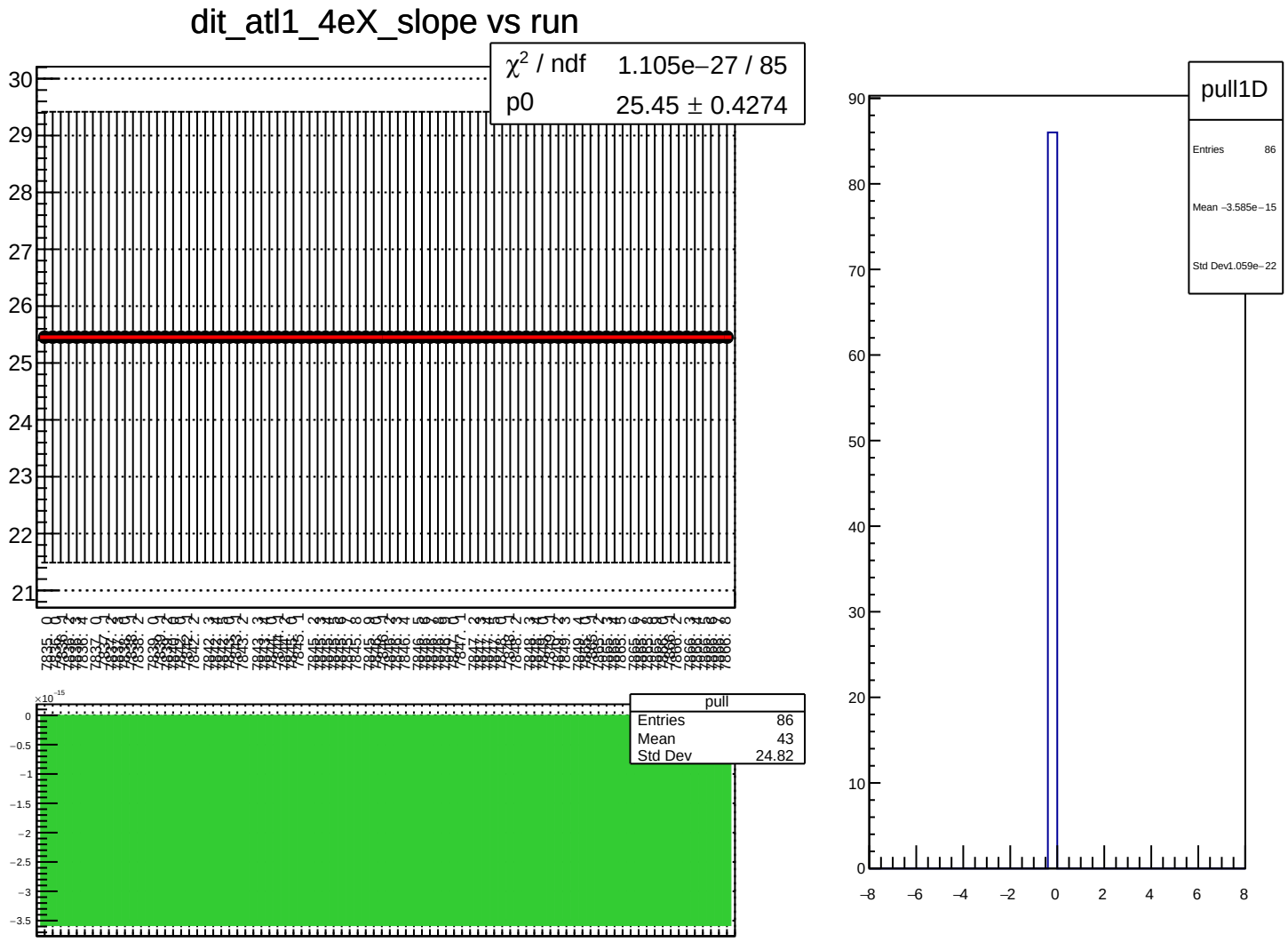

dit_usr_11X12X_slope vs run
χ² / ndf 5.583e−25 / 85
p0 −43.29 ± 0.06656
−42.6
−42.8
−43
−43.2
−43.4
−43.6
−43.8
−44
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
pull1D
Entries 86
Mean 8.058e−14
Std Dev3.388e−21

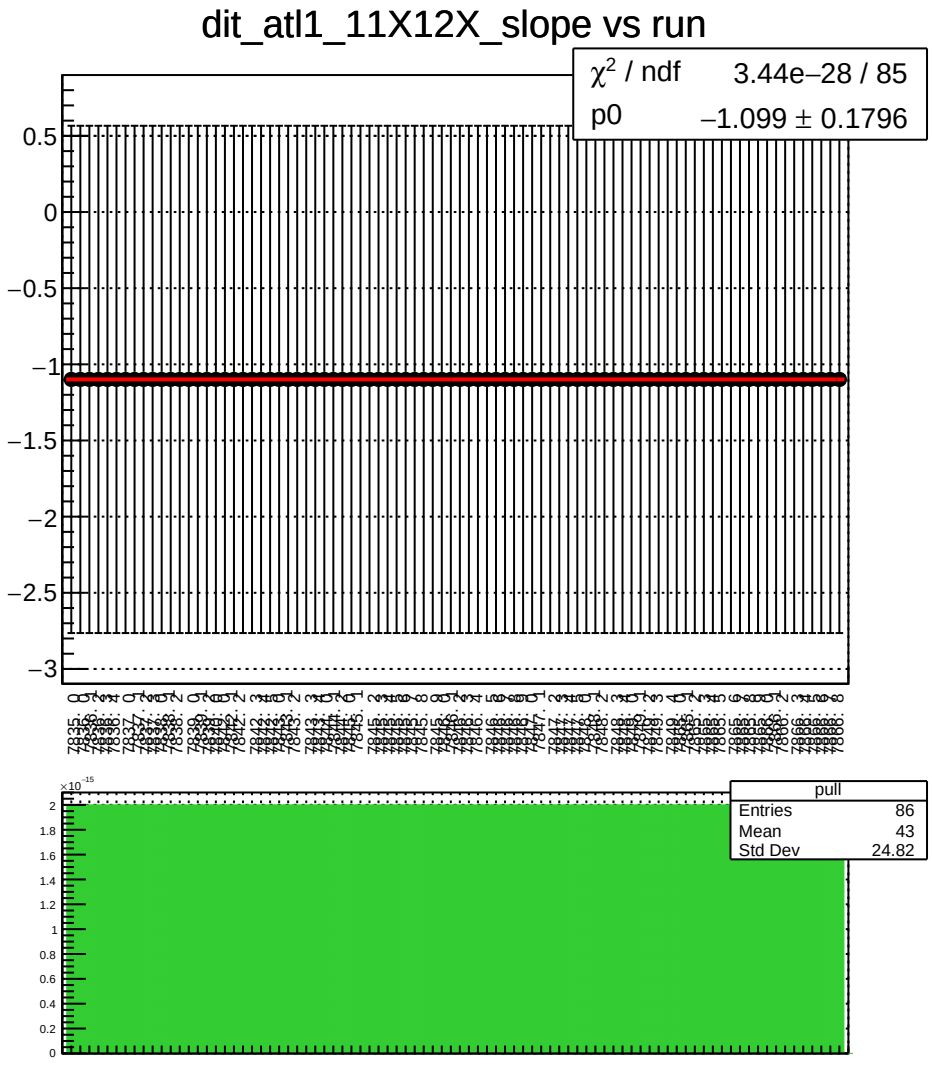

dit_usr_4aY_slope vs run
χ² / ndf 1.677e−28 / 85
p0 1.367 ± 0.12
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.397e−15
Std Dev 3.242e−23

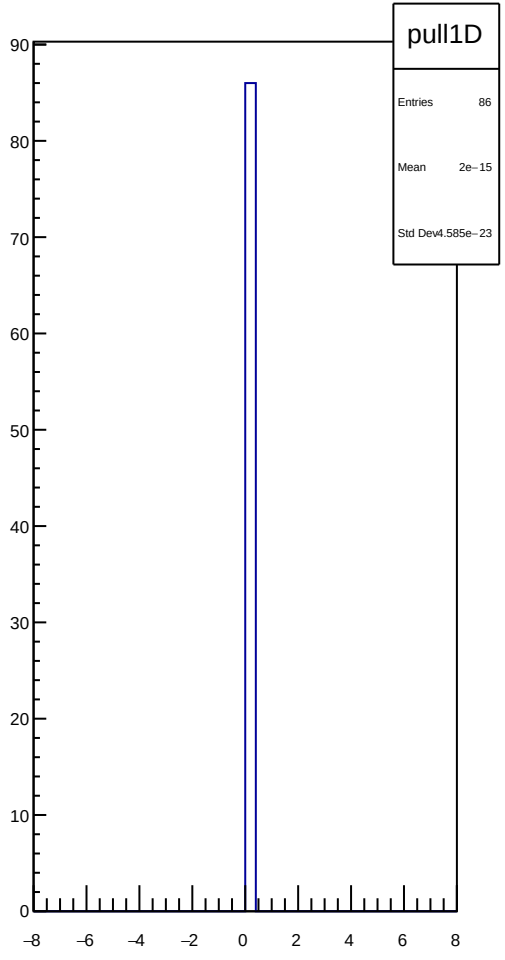

dit_usr_4eY_slope vs run
χ² / ndf 9.18e−28 / 85
p0 16.21 ± 0.1173
17.5
17
16.5
16
15.5
15
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 86
Mean 3.267e−15
Std Dev1.588e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

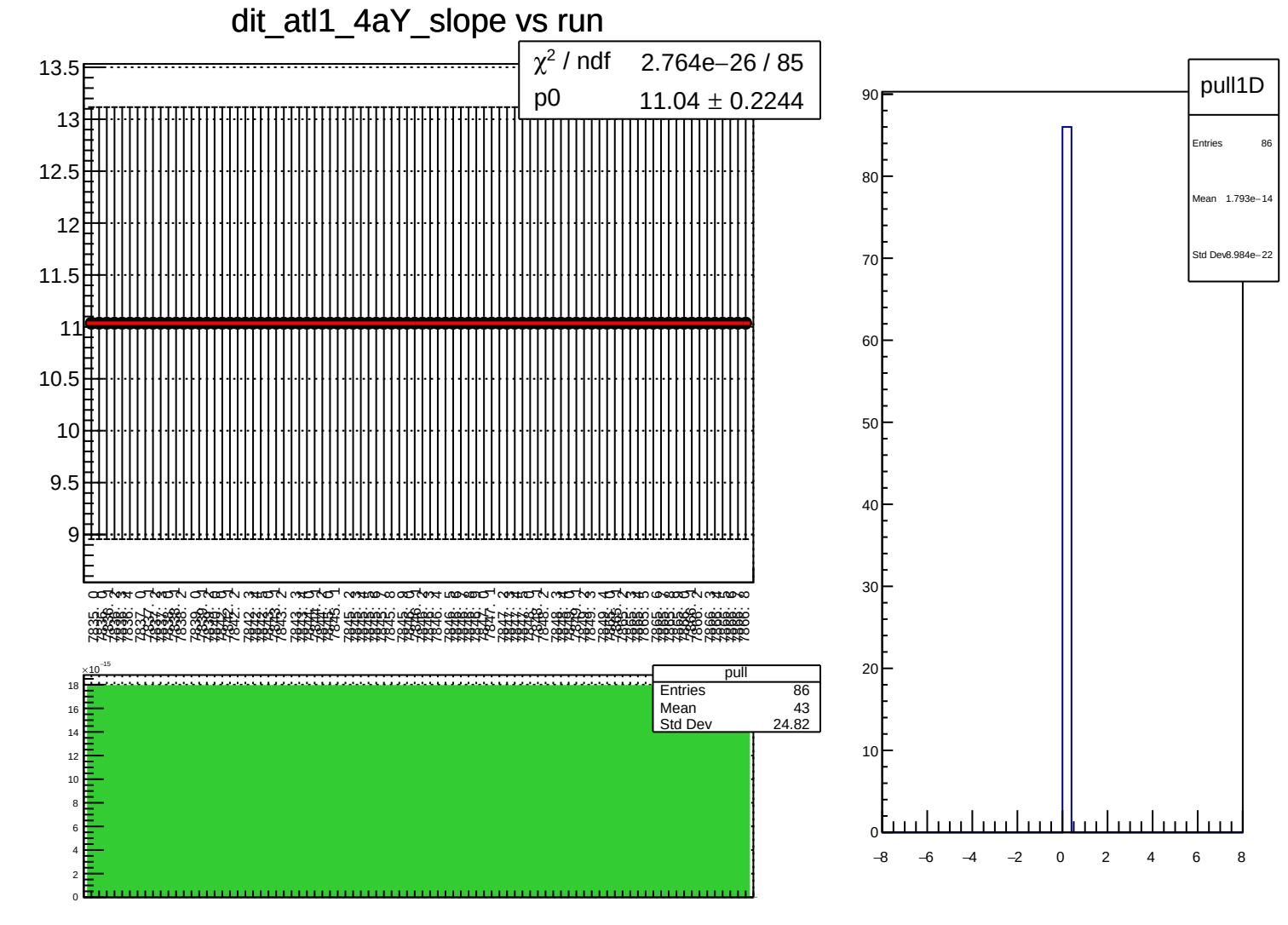

dit_atl1_4aX_slope vs run
χ² / ndf 2.37e−28 / 85
p0 7.264 ± 0.4039
pull
Entries 86
Mean 43
Std Dev 24.82

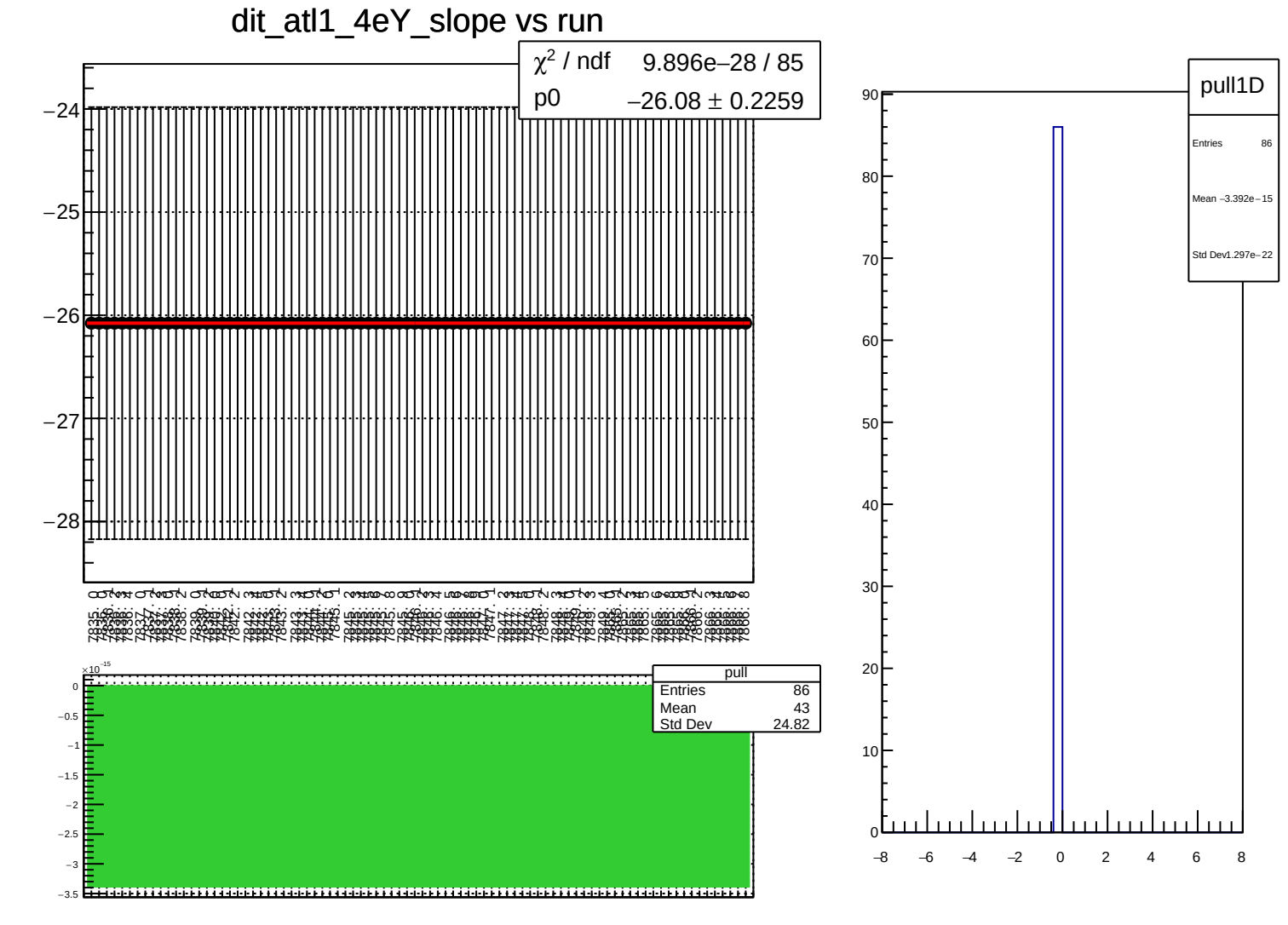

pull1D
Entries 86
Mean −1.66e−15
Std Dev 5.615e−23

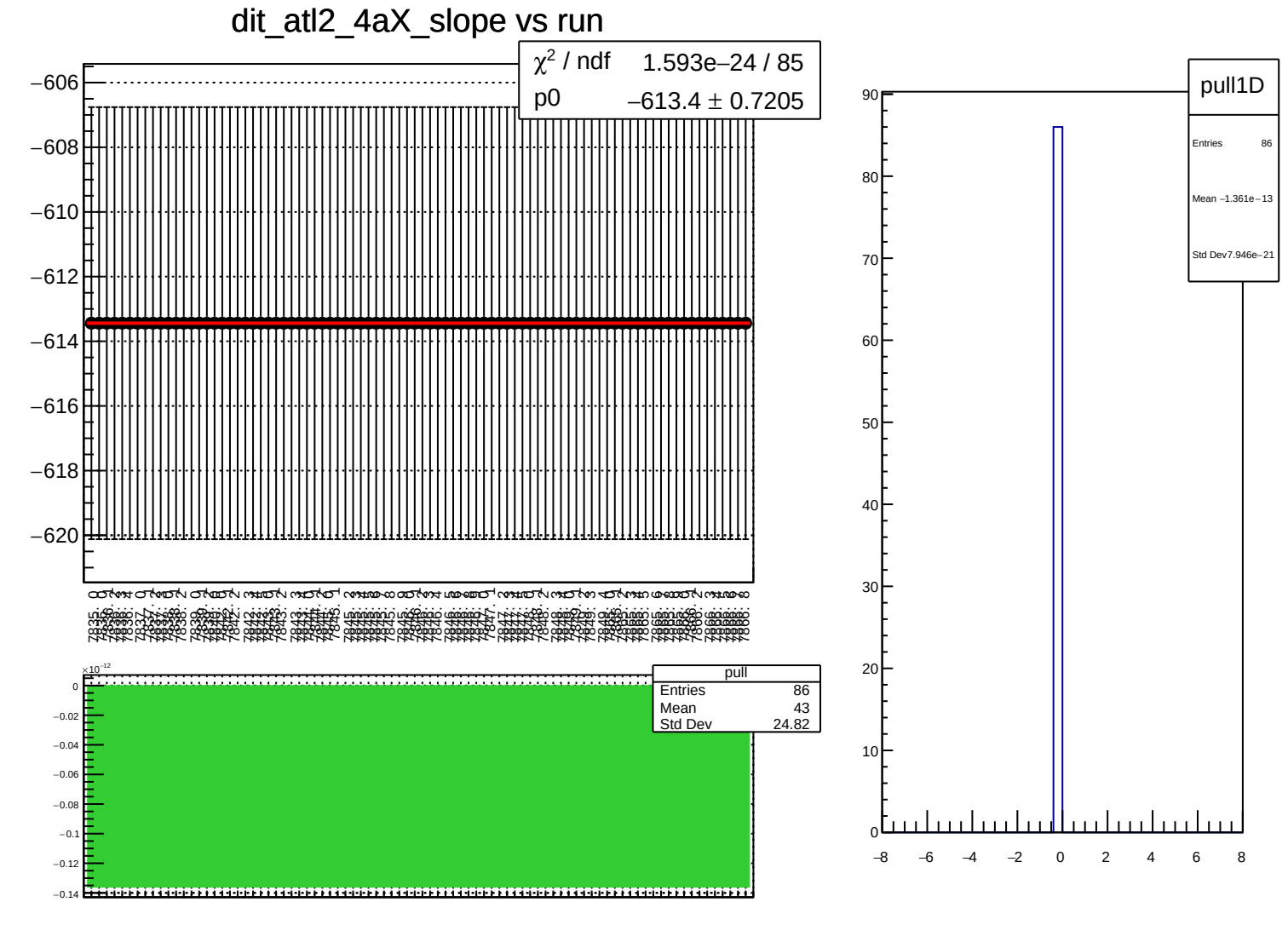

dit_atl1_4eX_slope vs run
χ² / ndf 1.105e−27 / 85
p0 25.45 ± 0.4274
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −3.585e−15
Std Dev1.059e−22

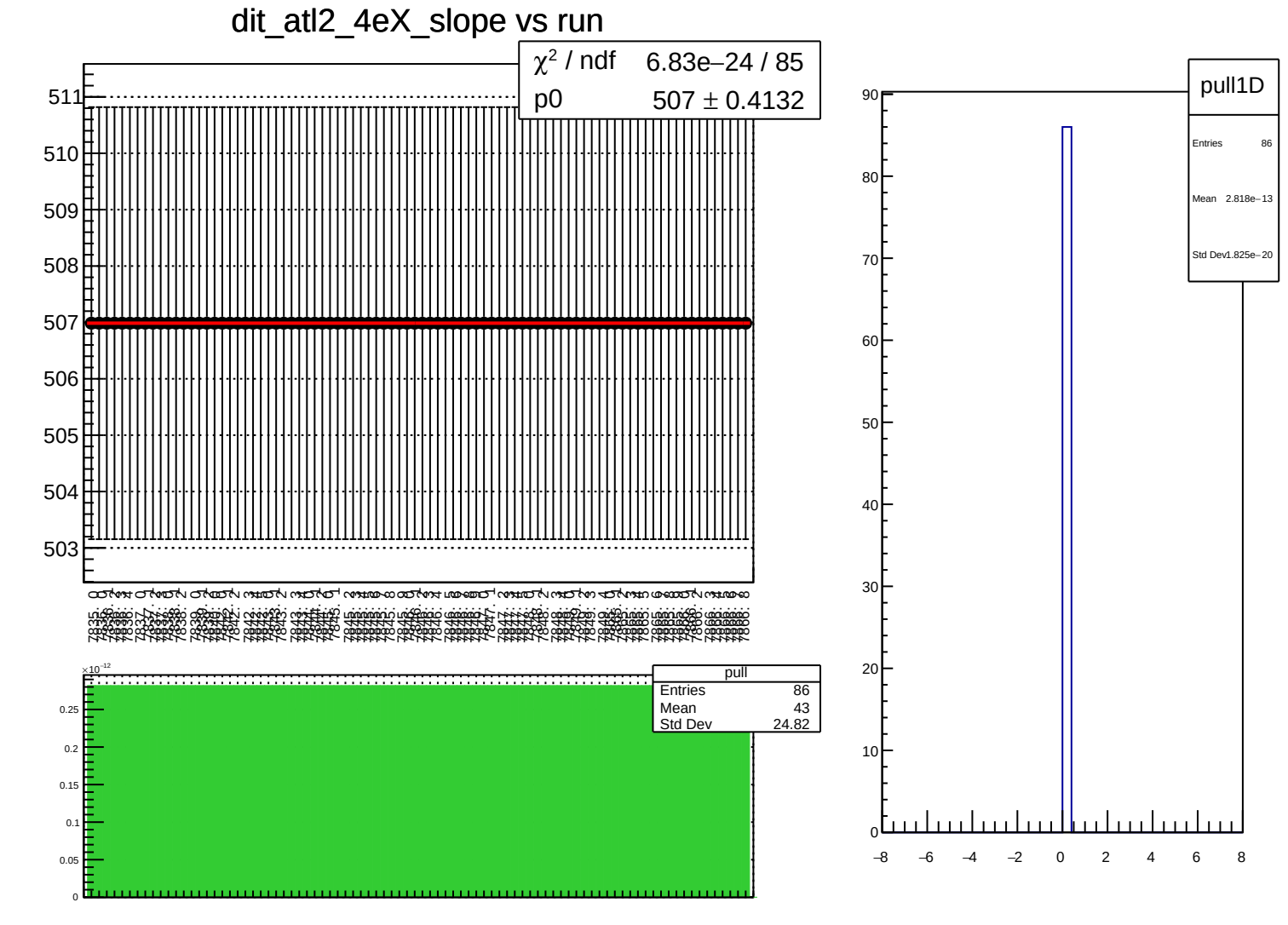

dit_atl1_11X12X_slope vs run
χ² / ndf 3.44e−28 / 85
p0 −1.099 ± 0.1796
pull
Entries 86
Mean 43
Std Dev 24.82

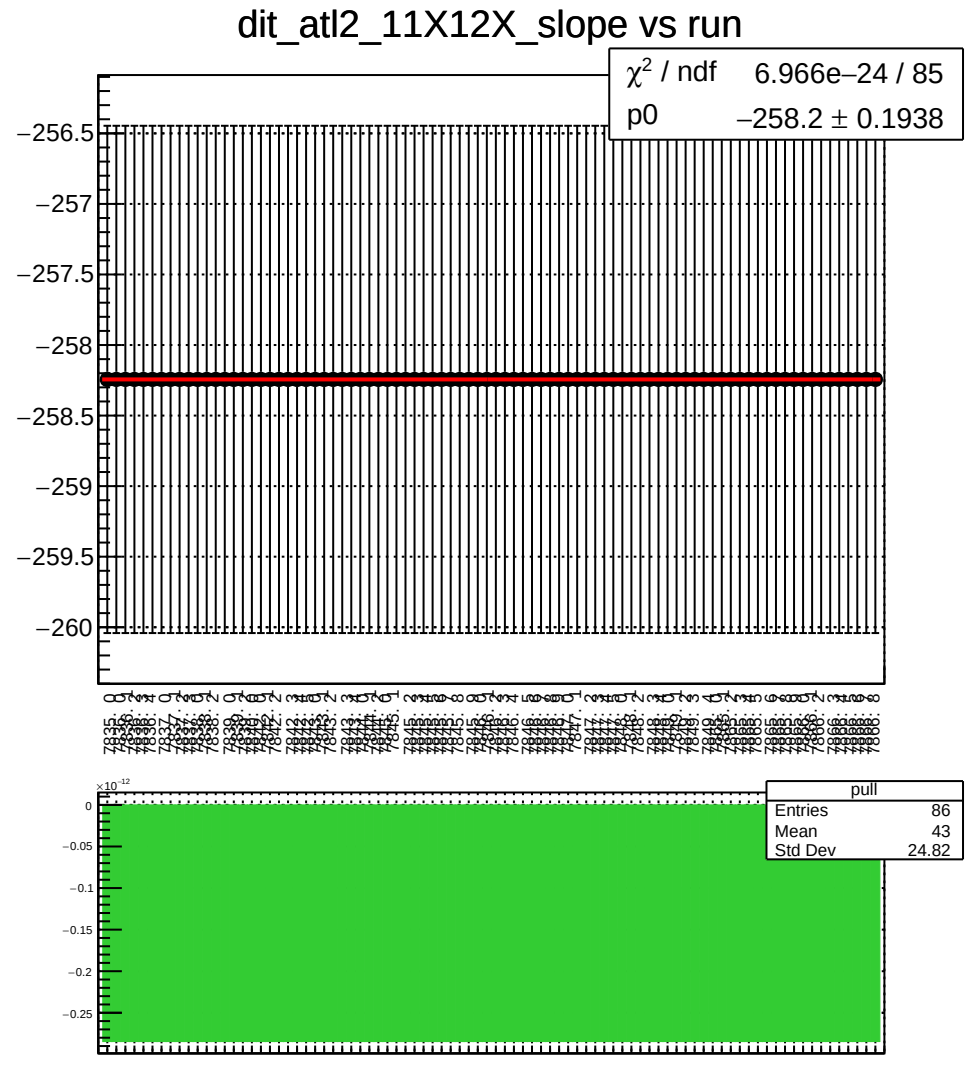

pull1D
Entries 86
Mean 2e−15
Std Dev 4.585e−23

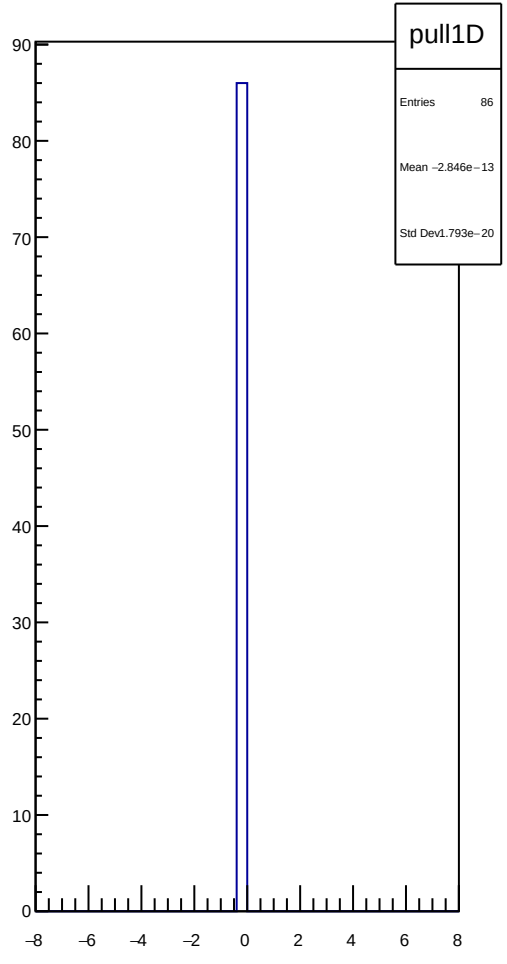

dit_atl1_4aY_slope vs run
χ² / ndf 2.764e−26 / 85
p0 11.04 ± 0.2244
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.793e−14
Std Dev 8.984e−22

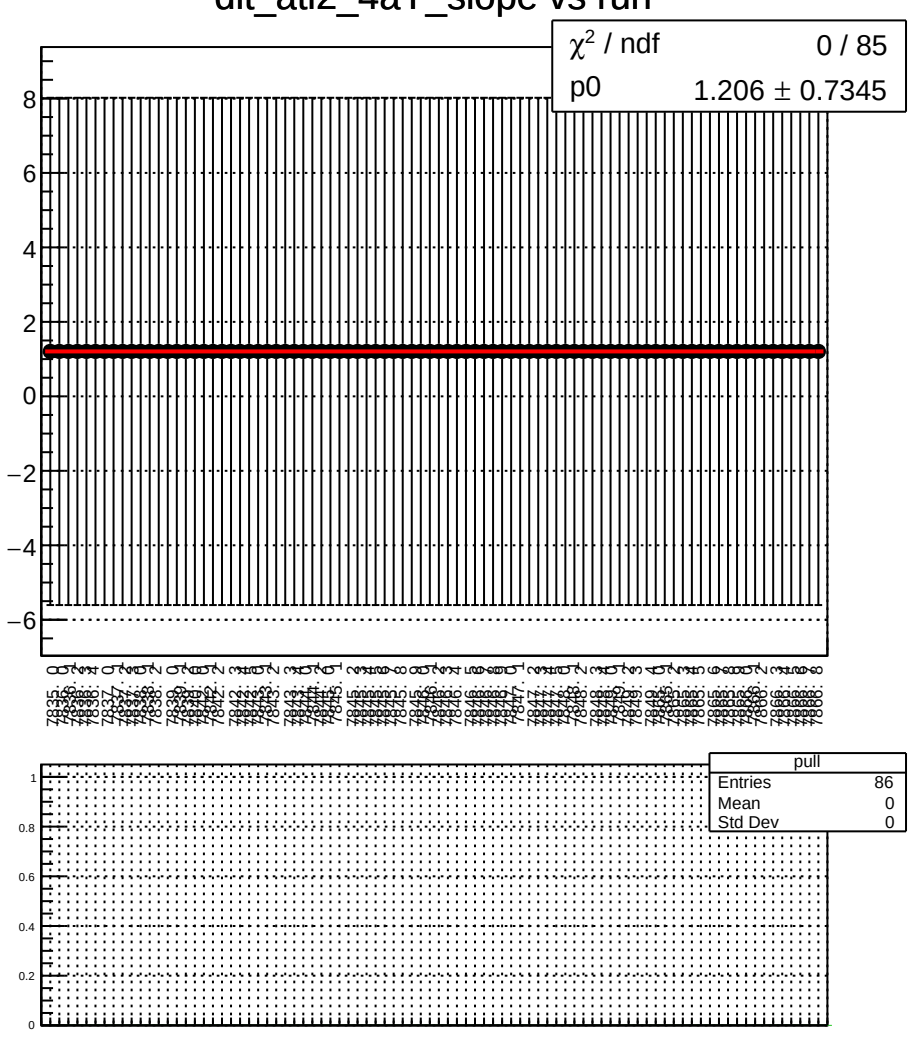

dit_atl1_4eY_slope vs run
χ² / ndf 9.896e−28 / 85
p0 −26.08 ± 0.2259
−24
−25
−26
−27
−28
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
pull1D
Entries 86
Mean −3.392e−15
Std Dev 1.297e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

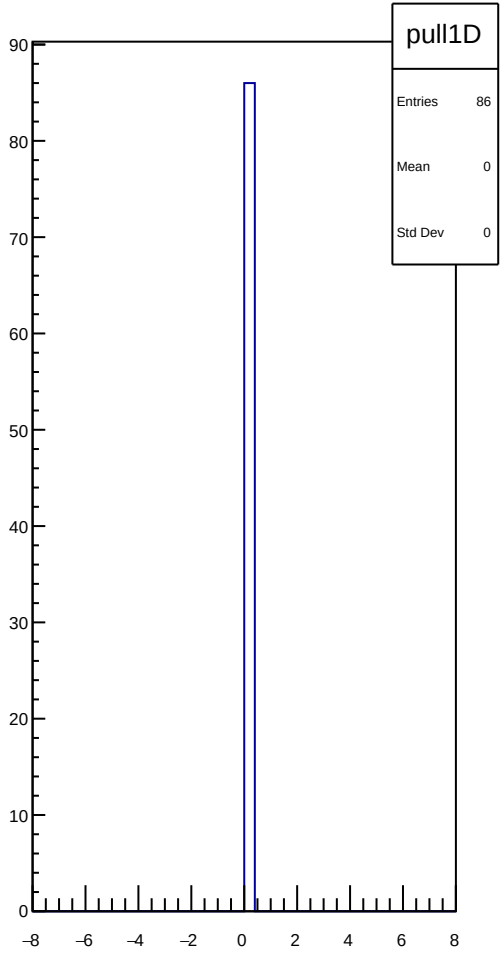

dit_atl2_4aX_slope vs run
χ² / ndf 1.593e−24 / 85
p0 −613.4 ± 0.7205
−606
−608
−610
−612
−614
−616
−618
−620
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 86
Mean −1.361e−13
Std Dev7.946e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

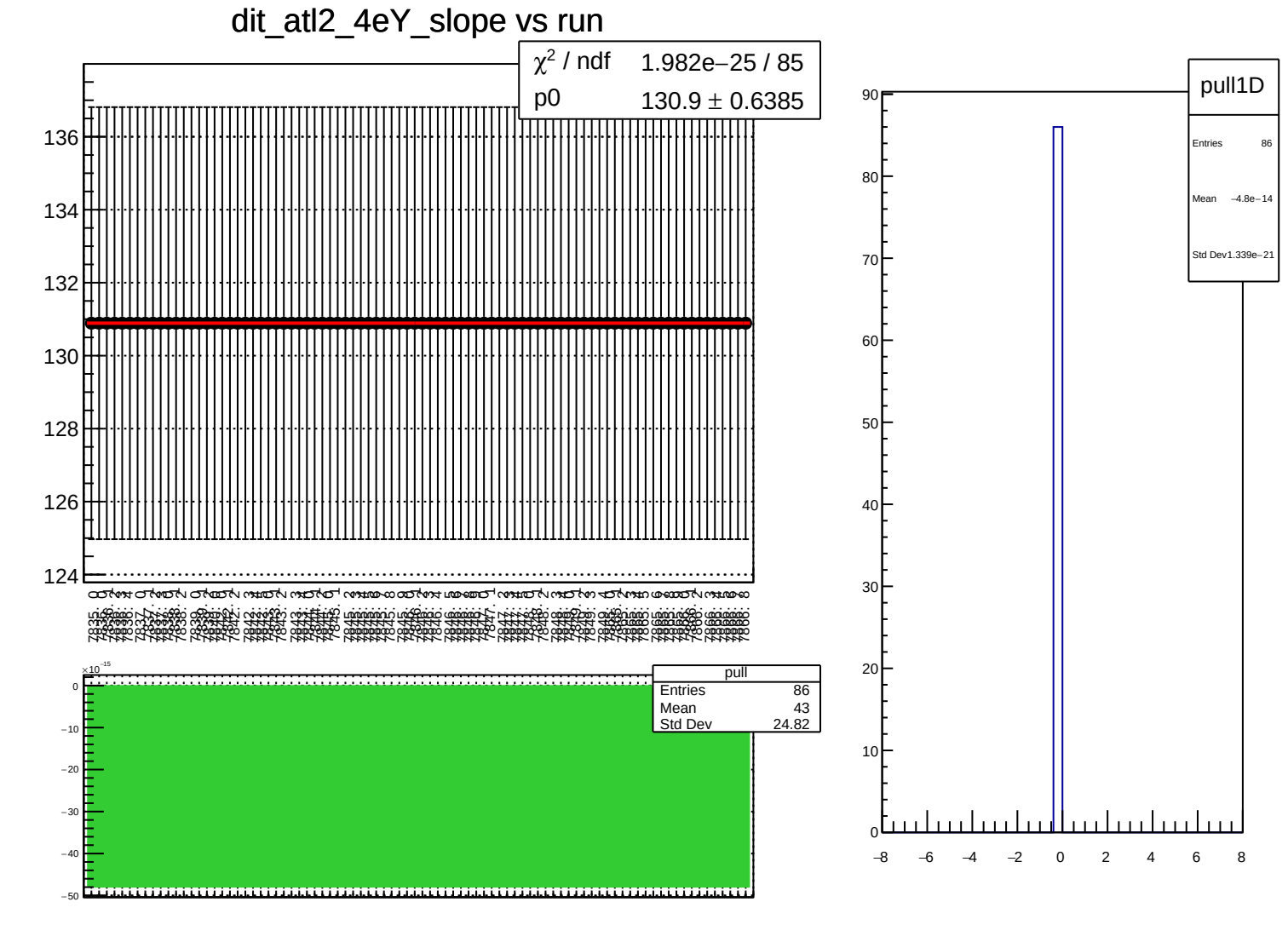

dit_atl2_4eX_slope vs run
χ² / ndf 6.83e−24 / 85
p0 507 ± 0.4132
511
510
509
508
507
506
505
504
503
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 86
Mean 2.818e−13
Std Dev1.825e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

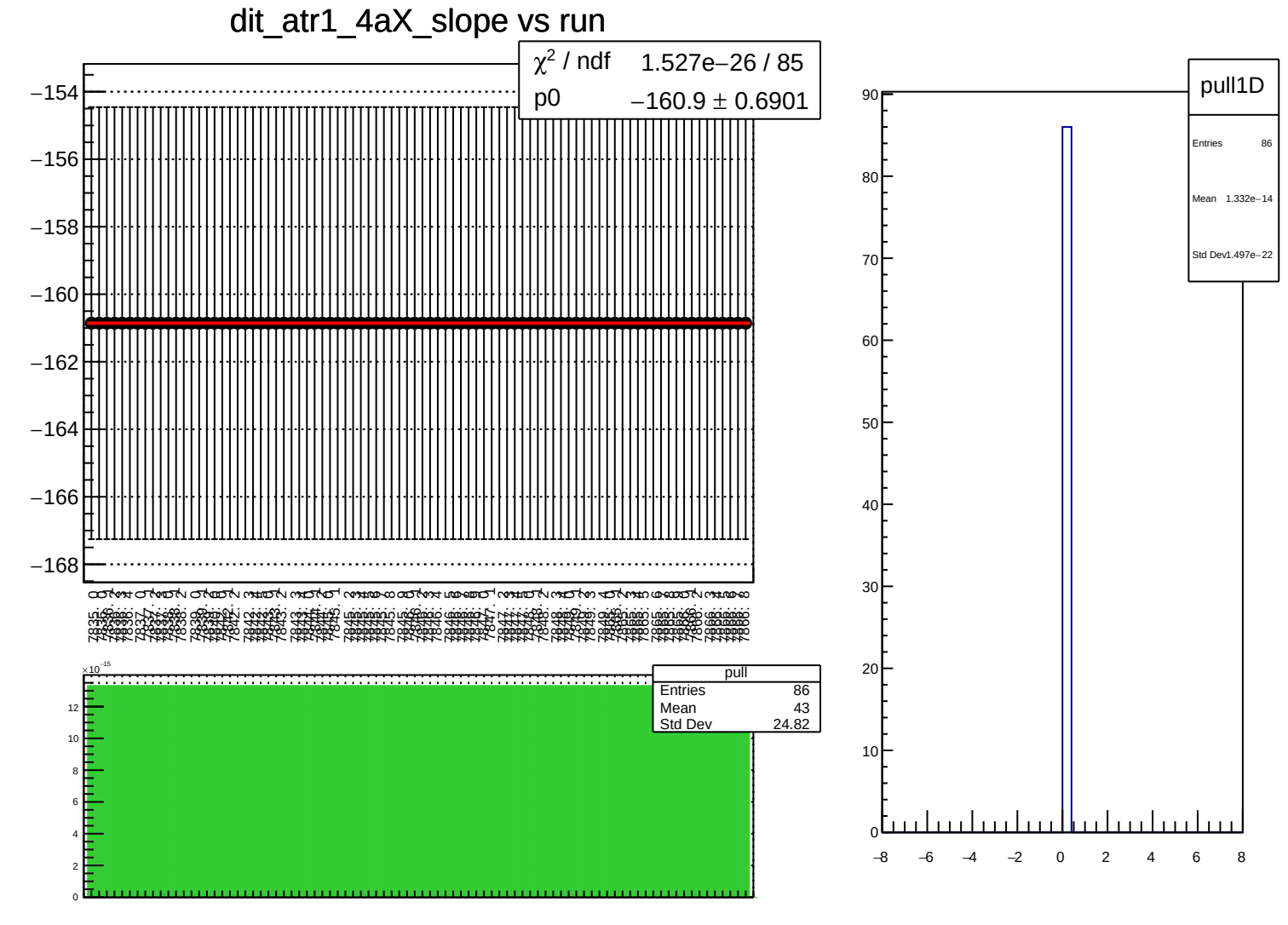

dit_atl2_11X12X_slope vs run
χ² / ndf 6.966e−24 / 85
p0 −258.2 ± 0.1938
−256.5
−257
−257.5
−258
−258.5
−259
−259.5
−260
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25

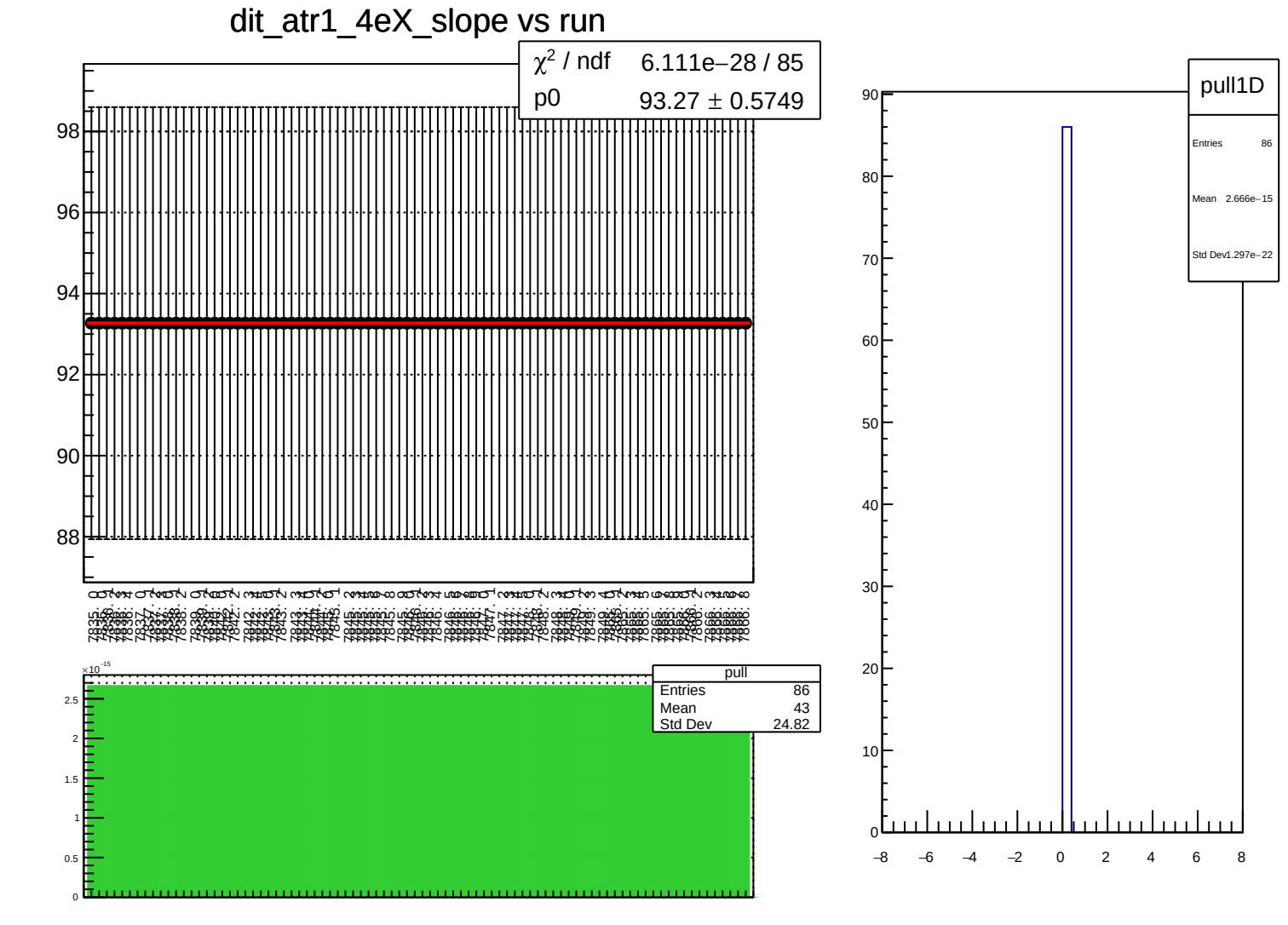

pull1D
Entries 86
Mean −2.846e−13
Std Dev1.793e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

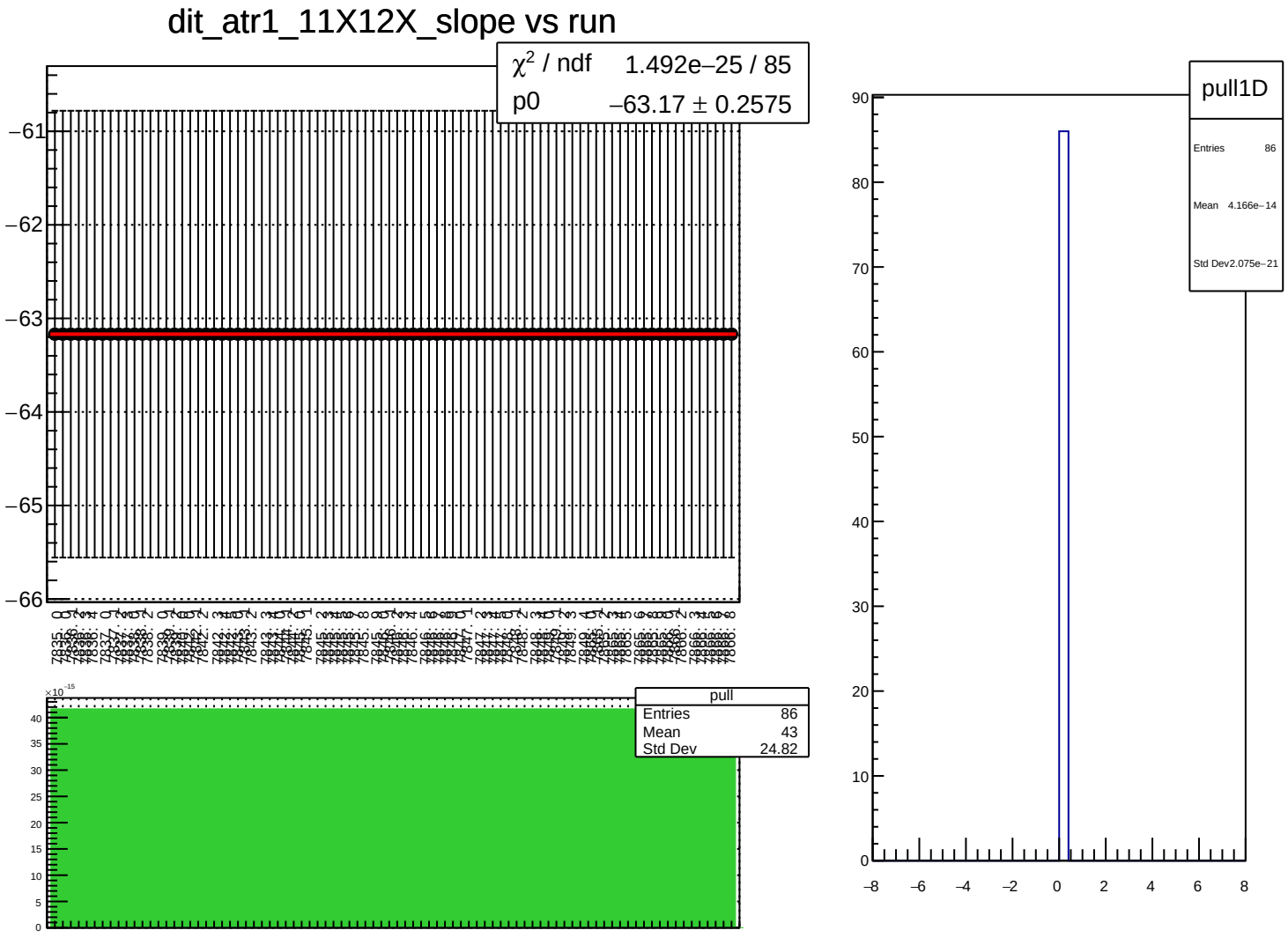

dit_atl2_4aY_slope vs run
χ² / ndf 0 / 85
p0 1.206 ± 0.7345
pull
Entries 86
Mean 0
Std Dev 0

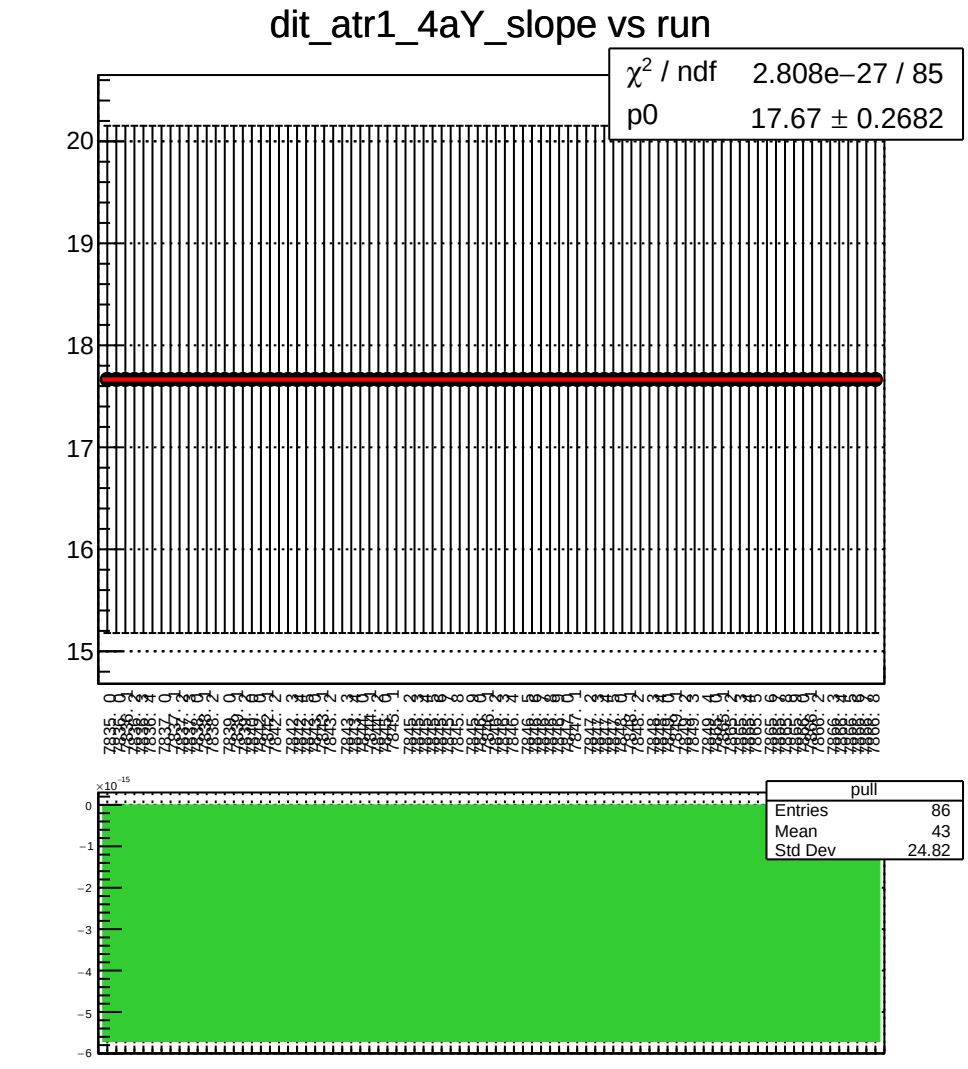

pull1D
Entries 86
Mean 0
Std Dev 0

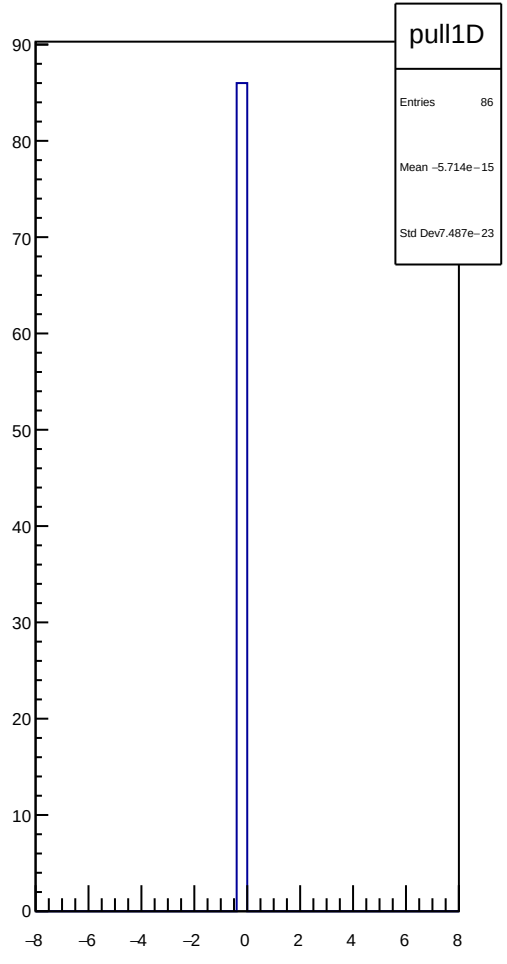

dit_atl2_4eY_slope vs run
χ² / ndf 1.982e−25 / 85
p0 130.9 ± 0.6385
136
134
132
130
128
126
124
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 86
Mean −4.8e−14
Std Dev1.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

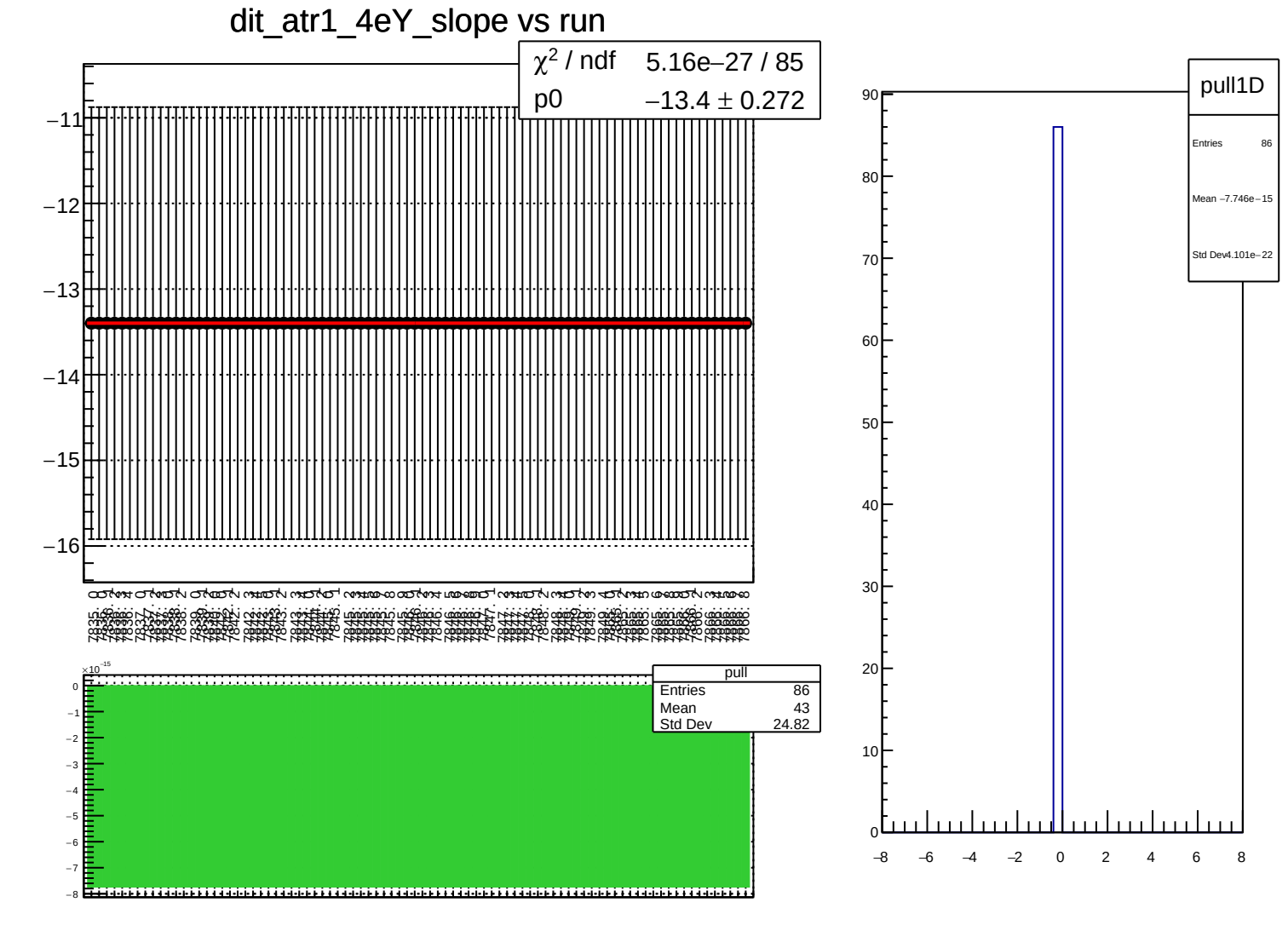

dit_atr1_4aX_slope vs run
χ^2 / ndf 1.527e−26 / 85
p0 −160.9 ± 0.6901
−154
−156
−158
−160
−162
−164
−166
−168
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
12
10
8
6
4
2
0
pull1D
Entries 86
Mean 1.332e−14
Std Dev1.497e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

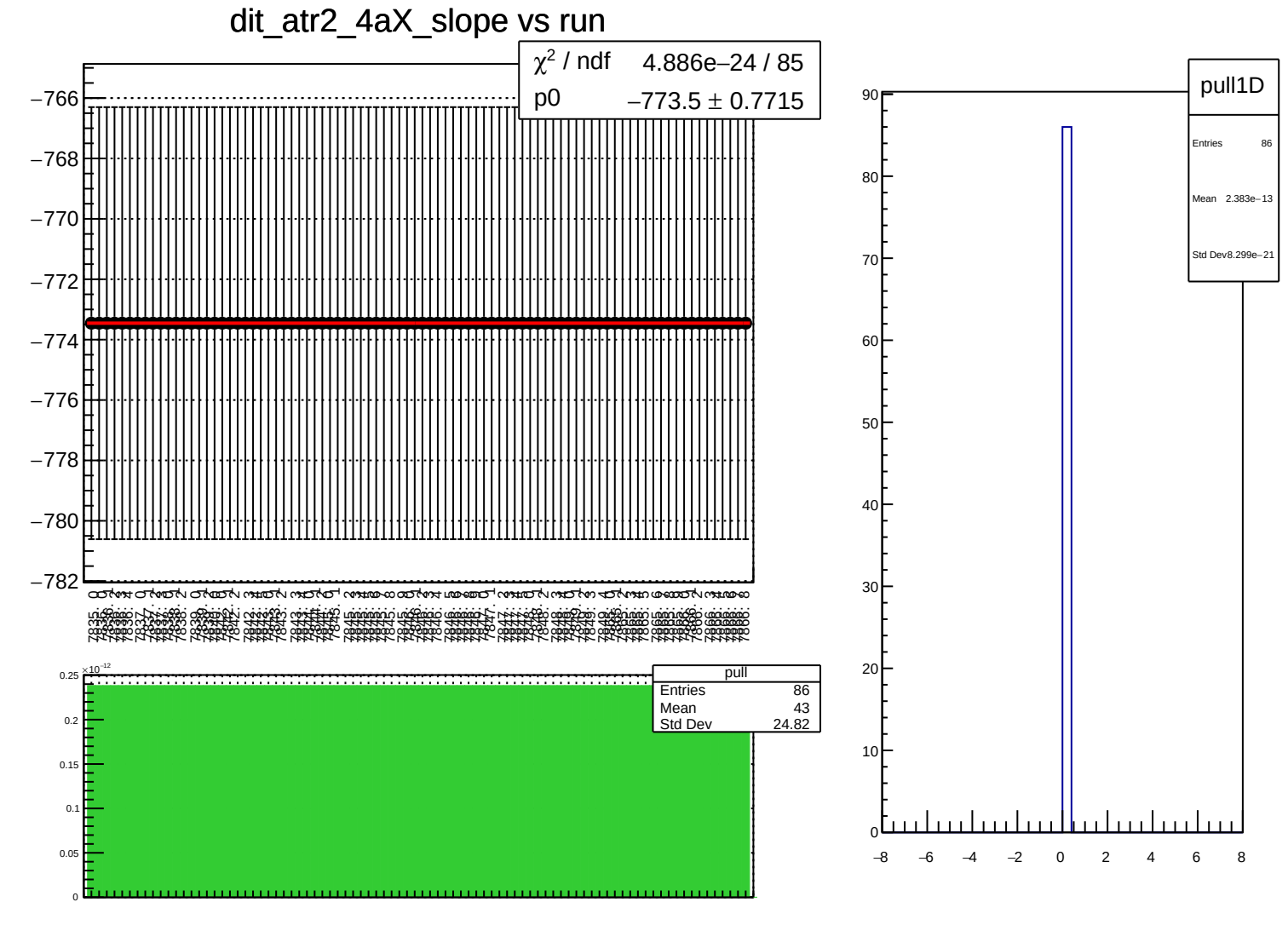

dit_atr1_4eX_slope vs run
χ² / ndf 6.111e−28 / 85
p0 93.27 ± 0.5749
98
96
94
92
90
88
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
2.5
2
1.5
1
0.5
0
pull1D
Entries 86
Mean 2.666e−15
Std Dev1.297e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

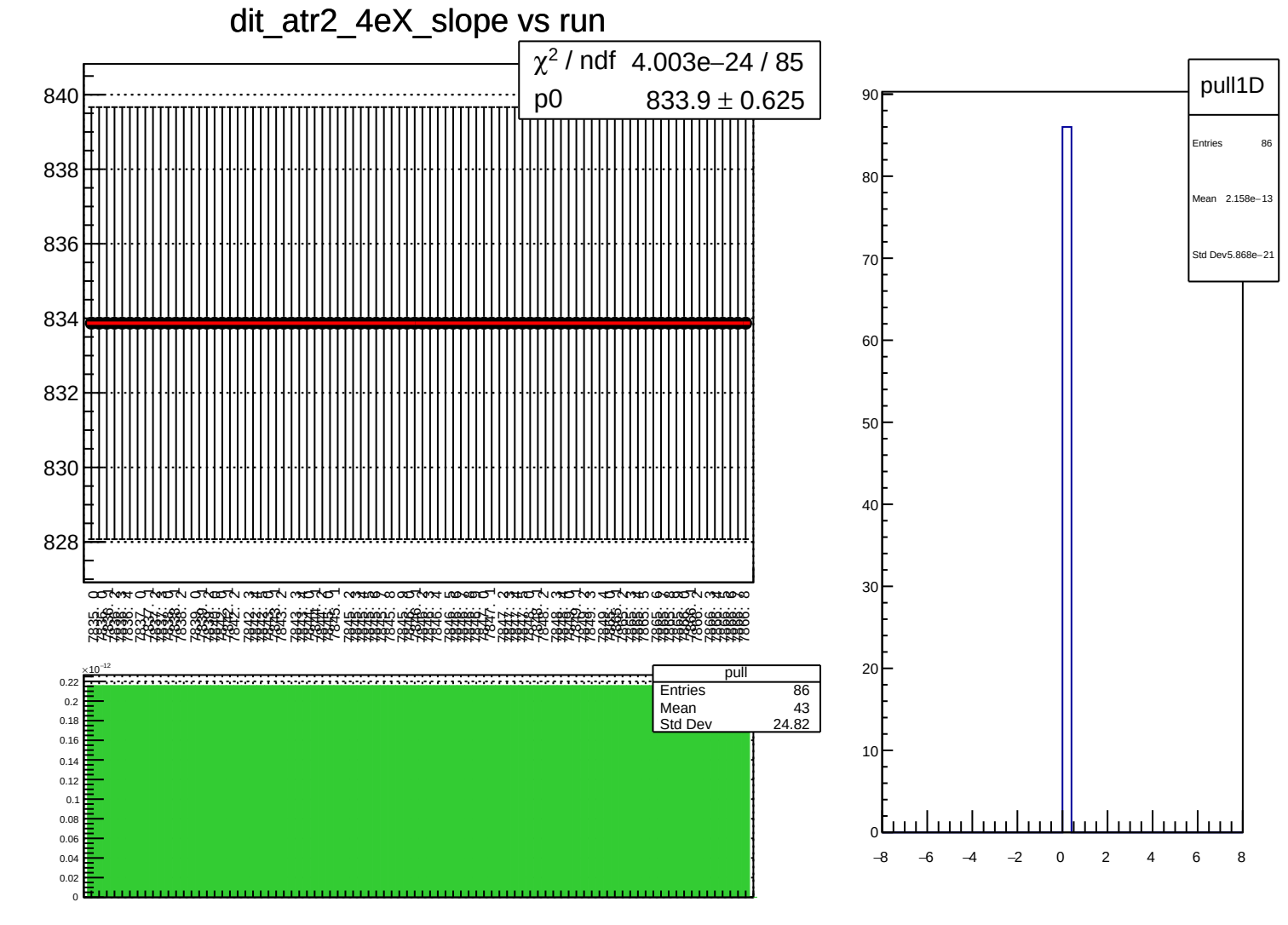

dit_atr1_11X12X_slope vs run
χ² / ndf 1.492e−25 / 85
p0 −63.17 ± 0.2575
−61
−62
−63
−64
−65
−66
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 86
Mean 4.166e−14
Std Dev2.075e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

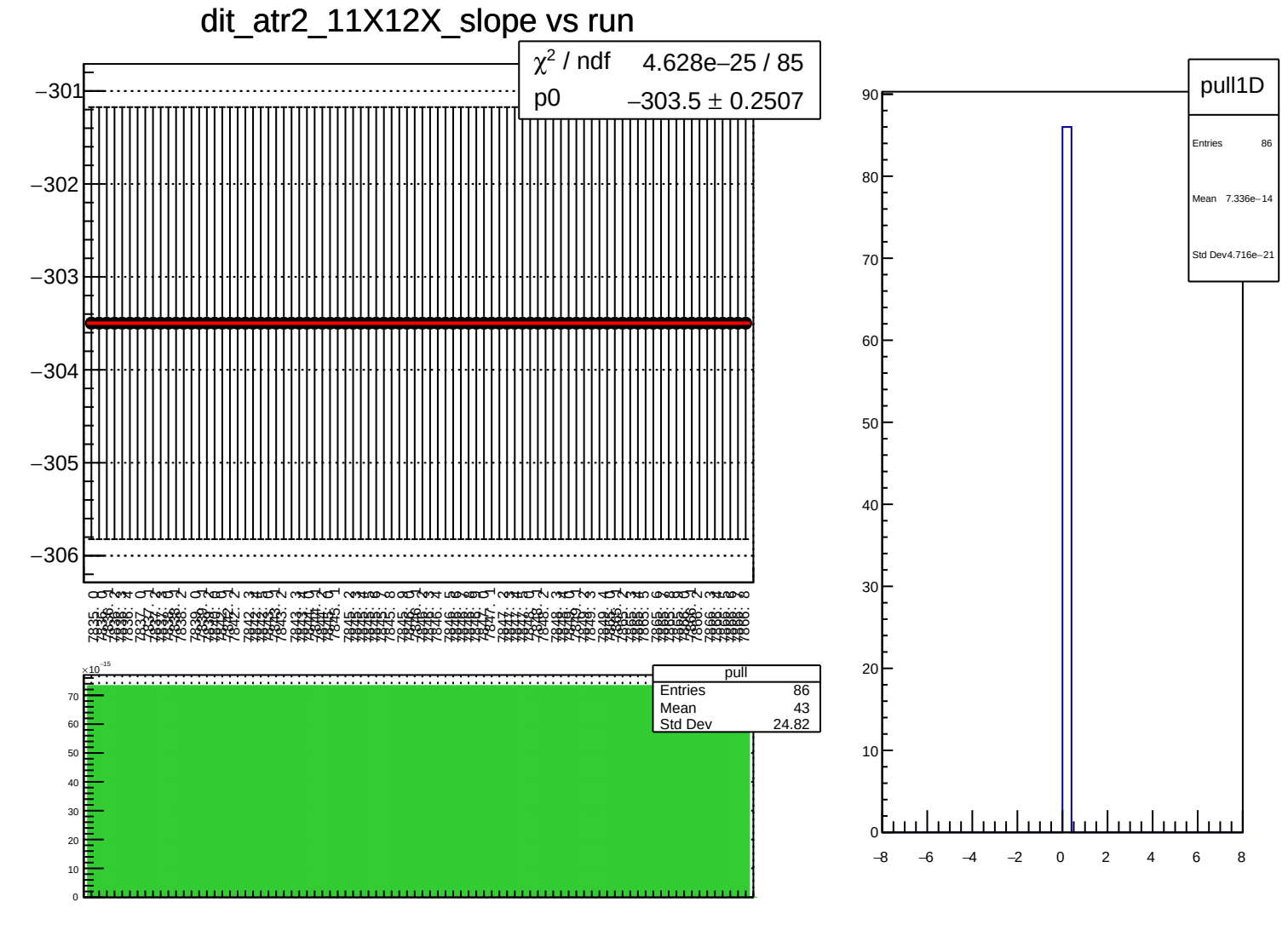

dit_atr1_4aY_slope vs run
χ² / ndf 2.808e−27 / 85
p0 17.67 ± 0.2682
20
19
18
17
16
15
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6

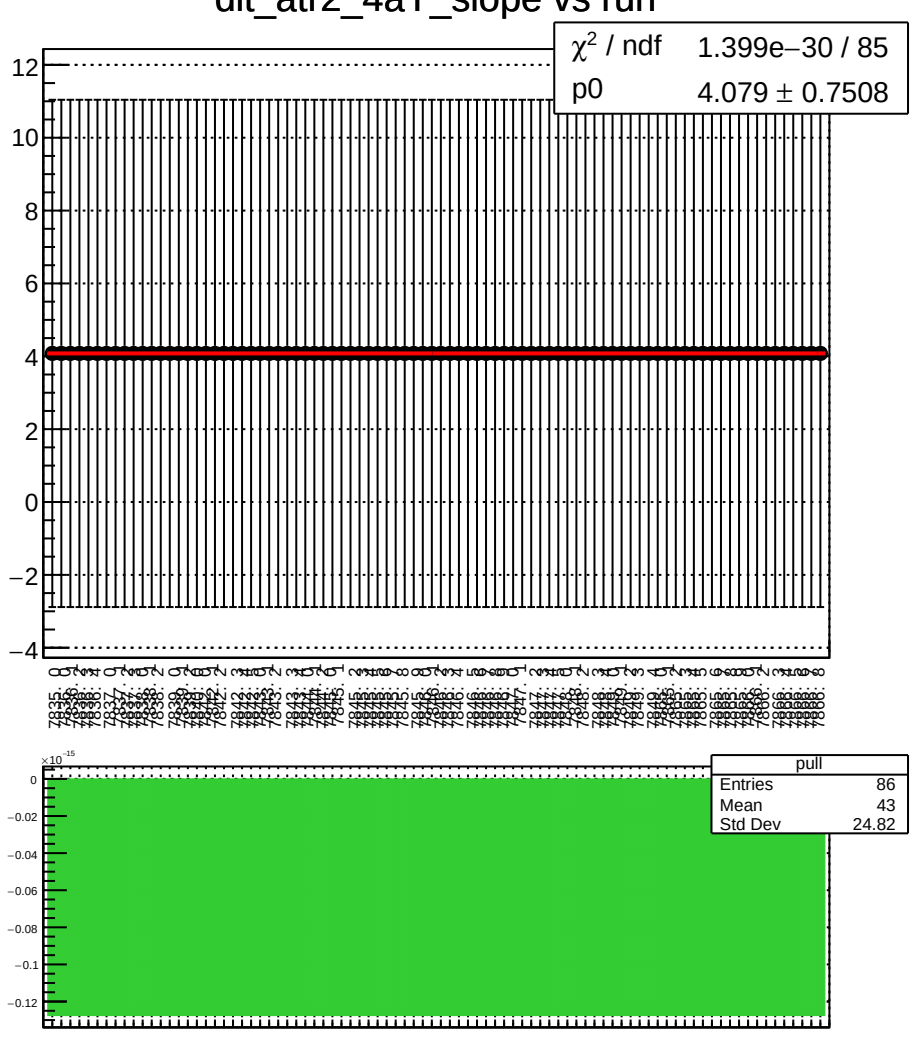

pull1D
Entries 86
Mean −5.714e−15
Std Dev7.487e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

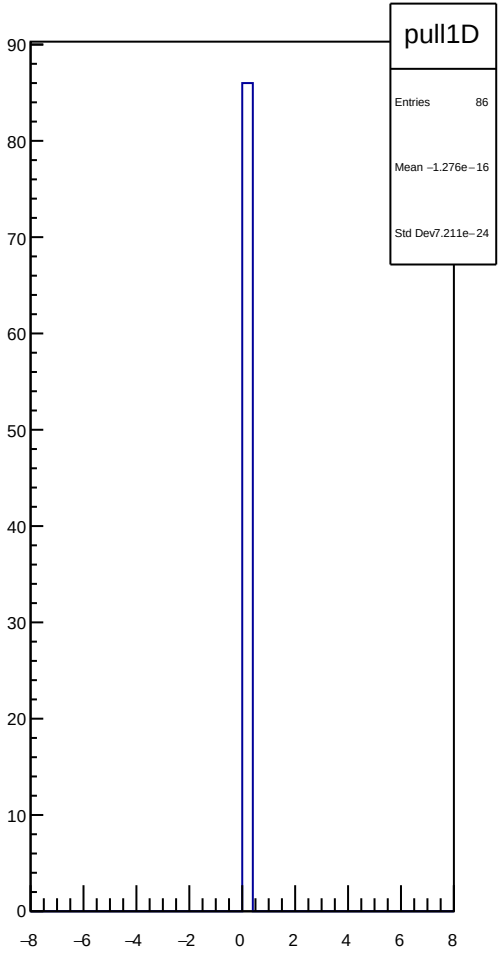

dit_atr1_4eY_slope vs run
χ² / ndf 5.16e−27 / 85
p0 −13.4 ± 0.272
−11
−12
−13
−14
−15
−16
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
pull1D
Entries 86
Mean −7.746e−15
Std Dev4.101e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

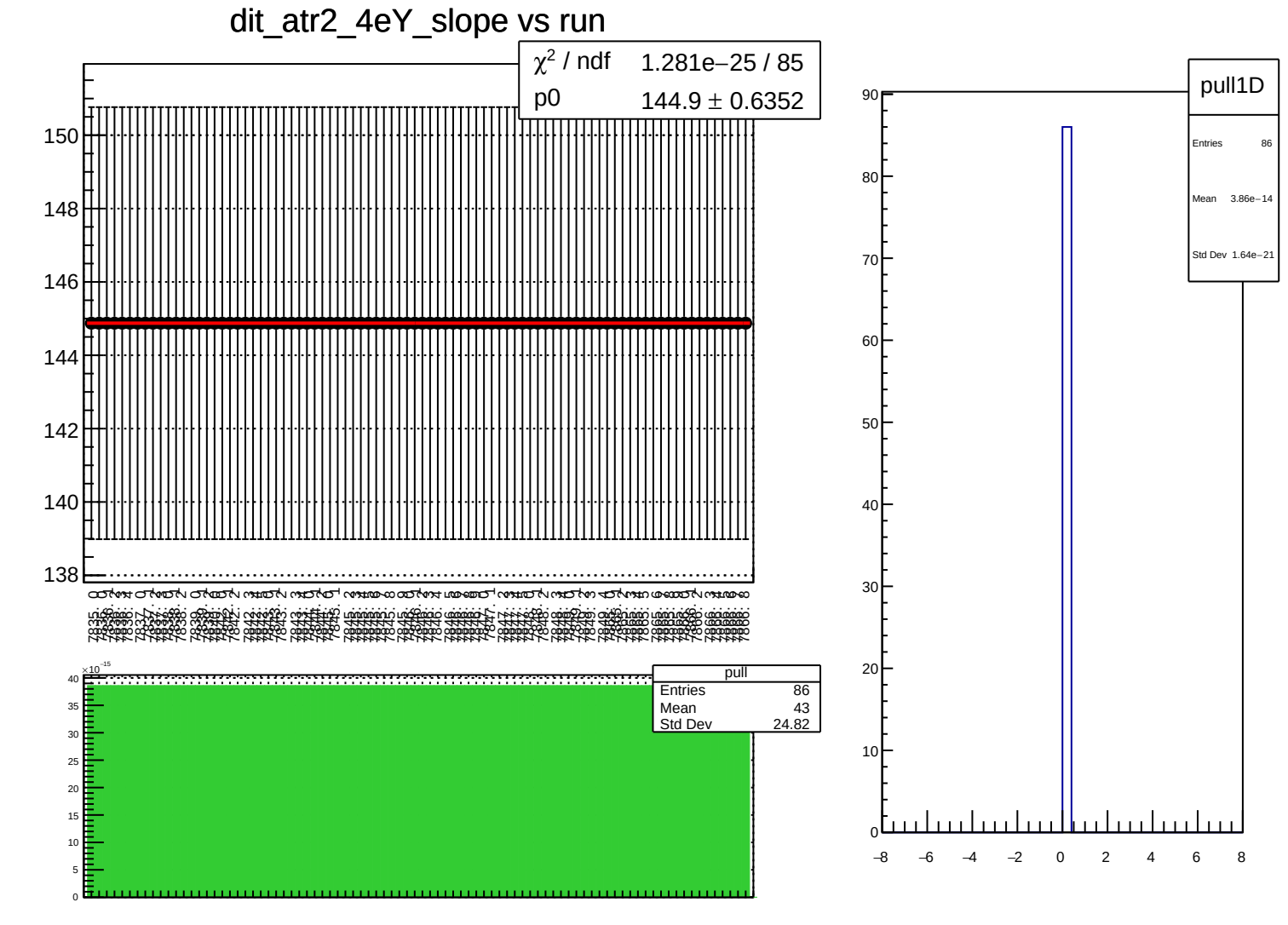

dit_atr2_4aX_slope vs run
χ² / ndf 4.886e−24 / 85
p0 −773.5 ± 0.7715
−766
−768
−770
−772
−774
−776
−778
−780
−782
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 86
Mean 2.383e−13
Std Dev8.299e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

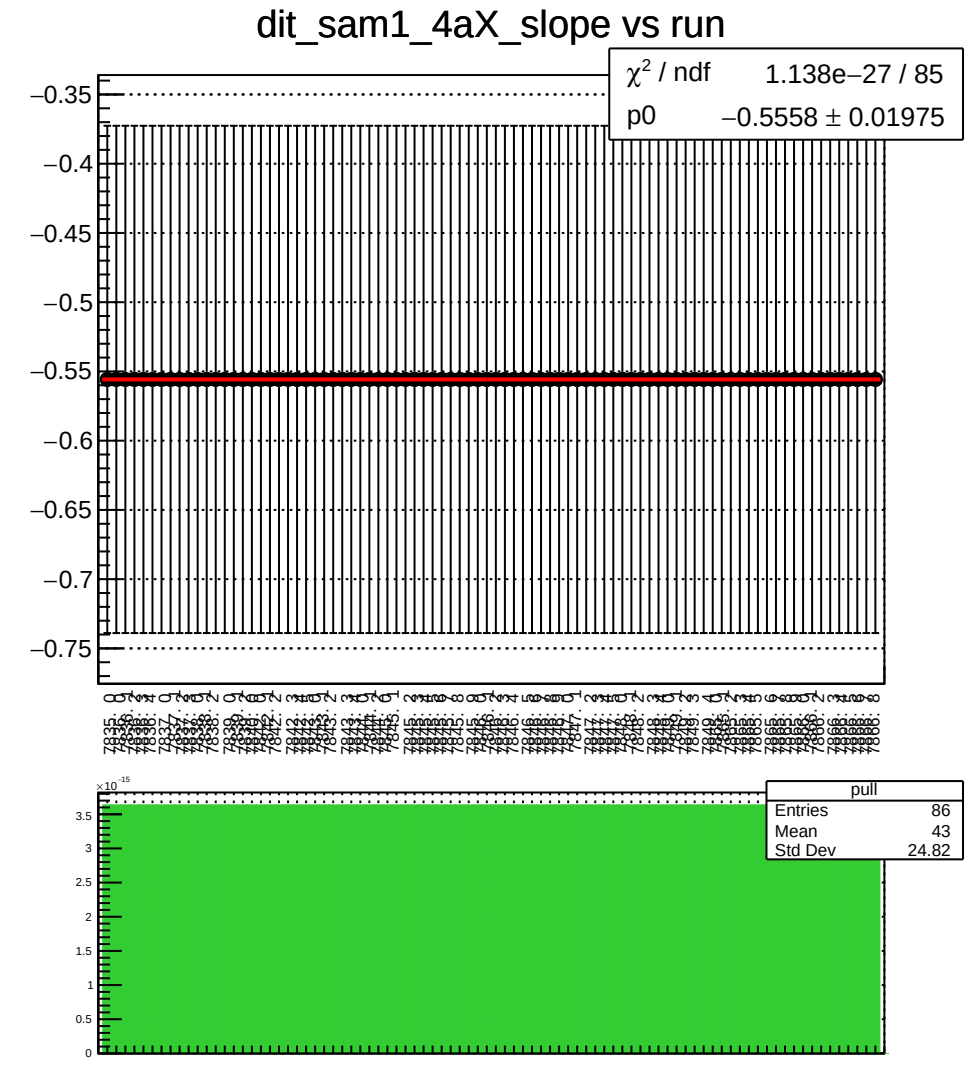

dit_atr2_4eX_slope vs run
χ² / ndf 4.003e−24 / 85
p0 833.9 ± 0.625
840
838
836
834
832
830
828
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 2.158e−13
Std Dev5.868e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

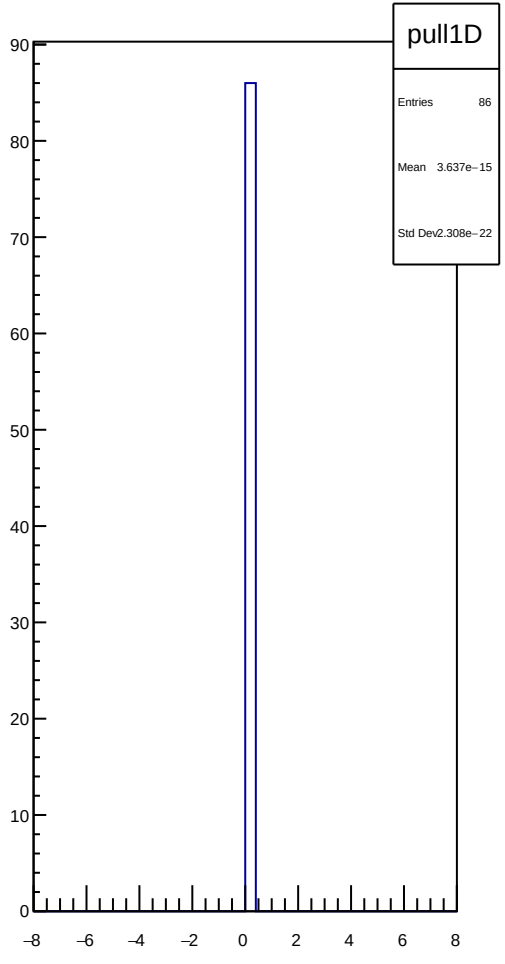

dit_atr2_11X12X_slope vs run
χ² / ndf 4.628e−25 / 85
p0 −303.5 ± 0.2507
−301
−302
−303
−304
−305
−306
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 7.336e−14
Std Dev4.716e−21

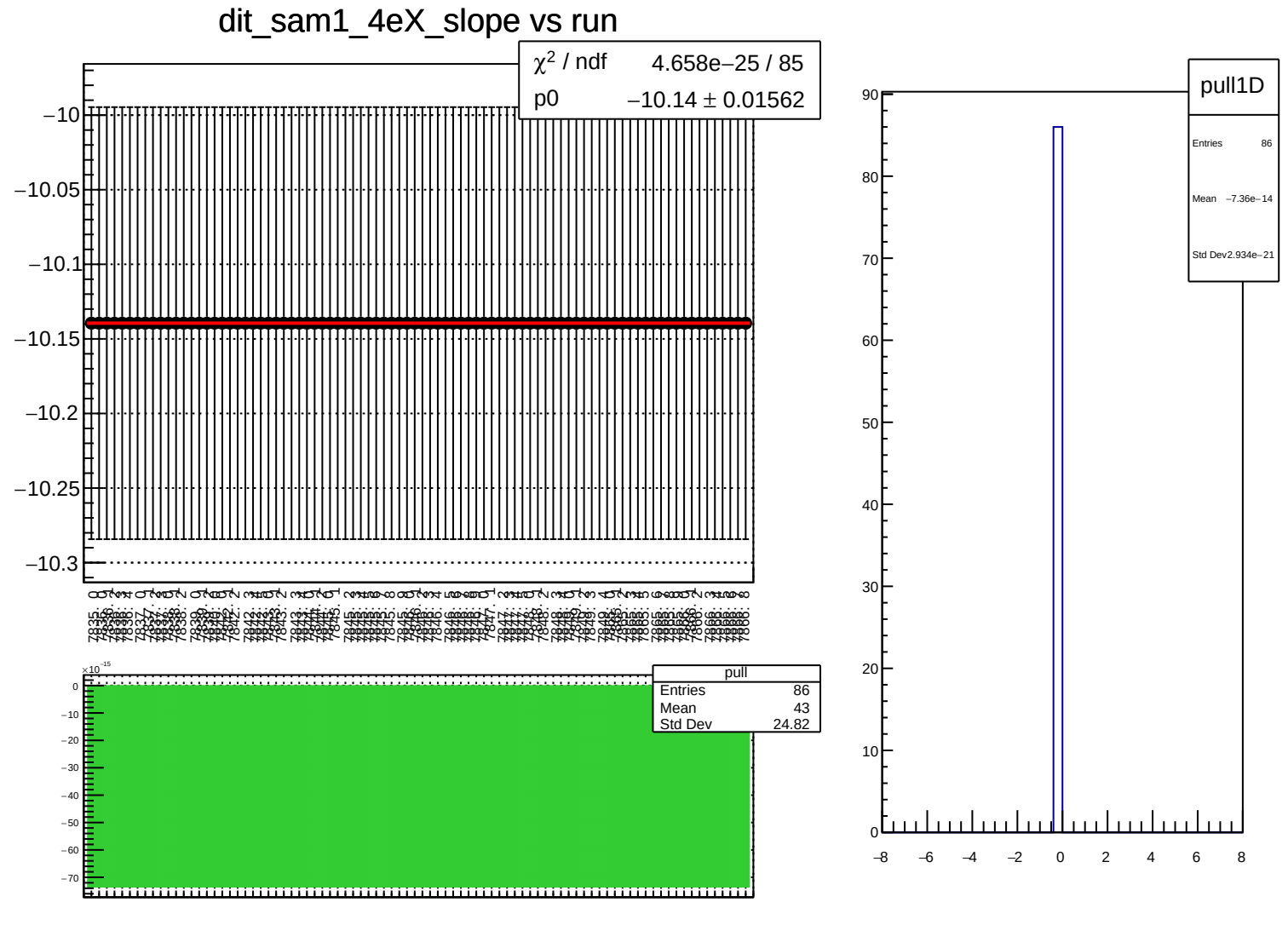

dit_atr2_4aY_slope vs run
χ² / ndf 1.399e−30 / 85
p0 4.079 ± 0.7508
pull
Entries 86
Mean 43
Std Dev 24.82

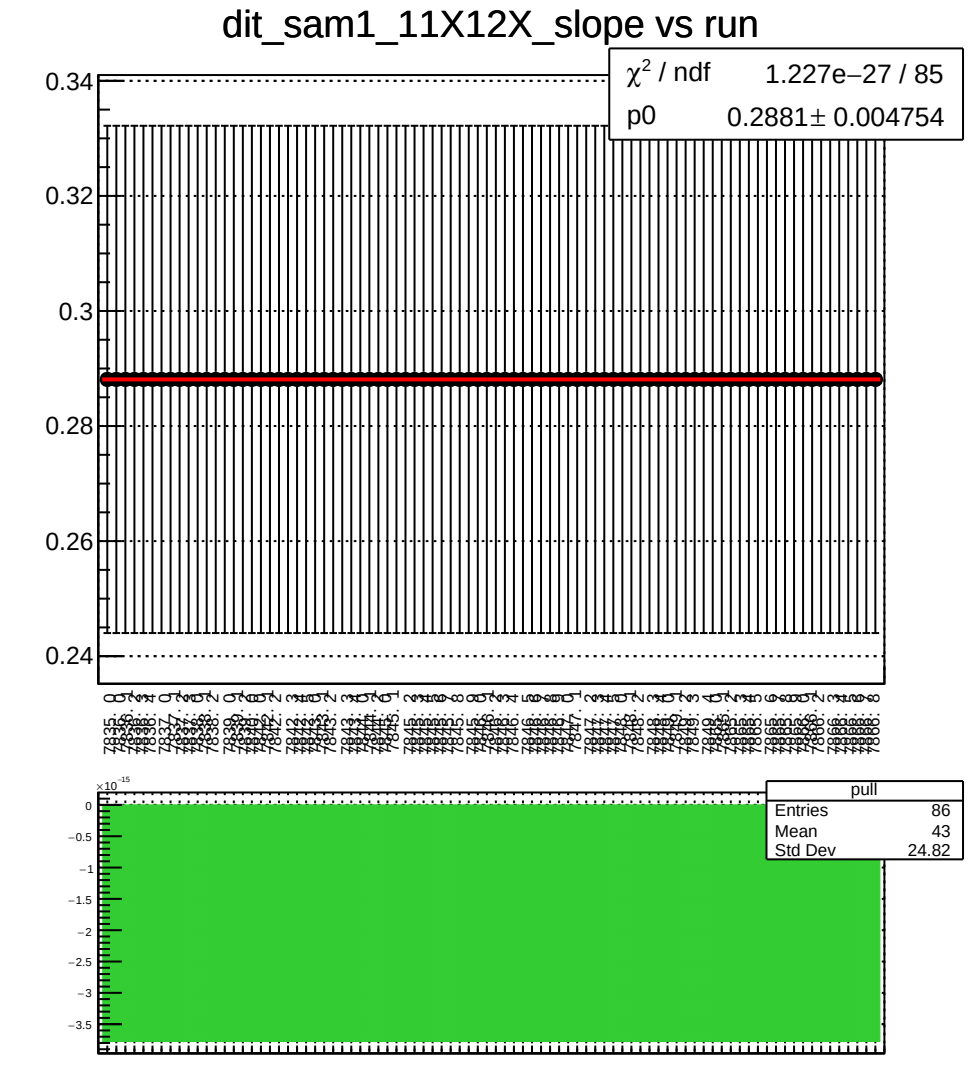

pull1D
Entries 86
Mean −1.276e−16
Std Dev7.211e−24

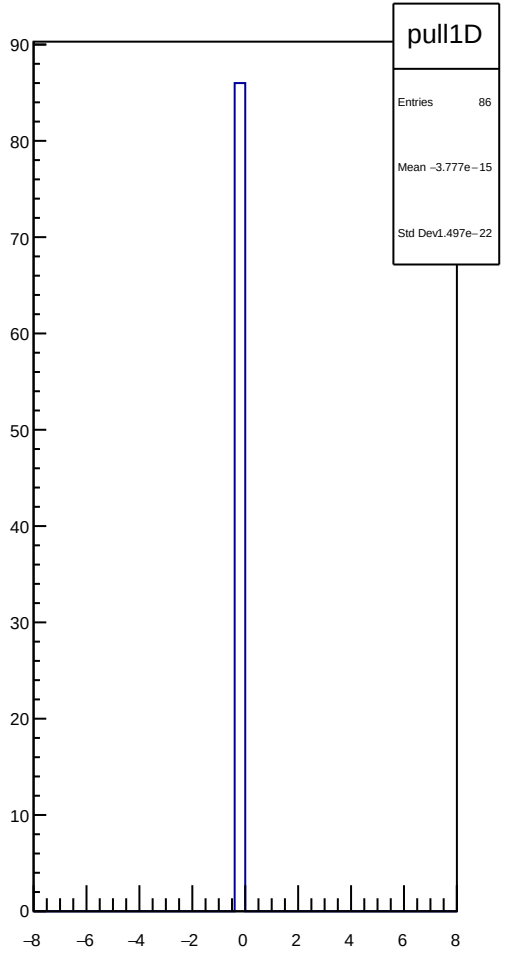

dit_atr2_4eY_slope vs run
χ² / ndf 1.281e−25 / 85
p0 144.9 ± 0.6352
150
148
146
144
142
140
138
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 86
Mean 3.86e−14
Std Dev 1.64e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

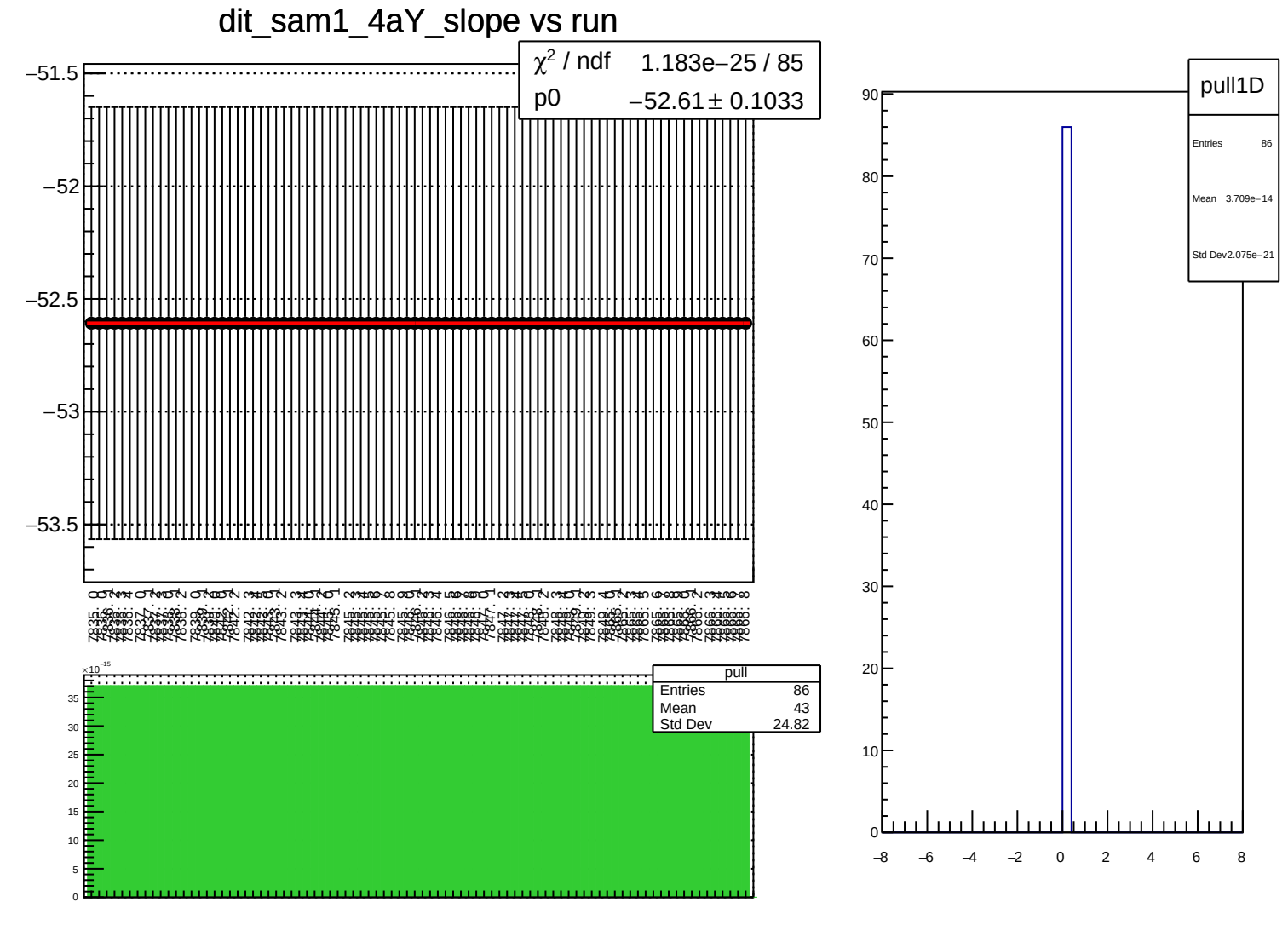

dit_sam1_4aX_slope vs run
χ² / ndf 1.138e−27 / 85
p0 −0.5558 ± 0.01975
−0.35
−0.4
−0.45
−0.5
−0.55
−0.6
−0.65
−0.7
−0.75
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0

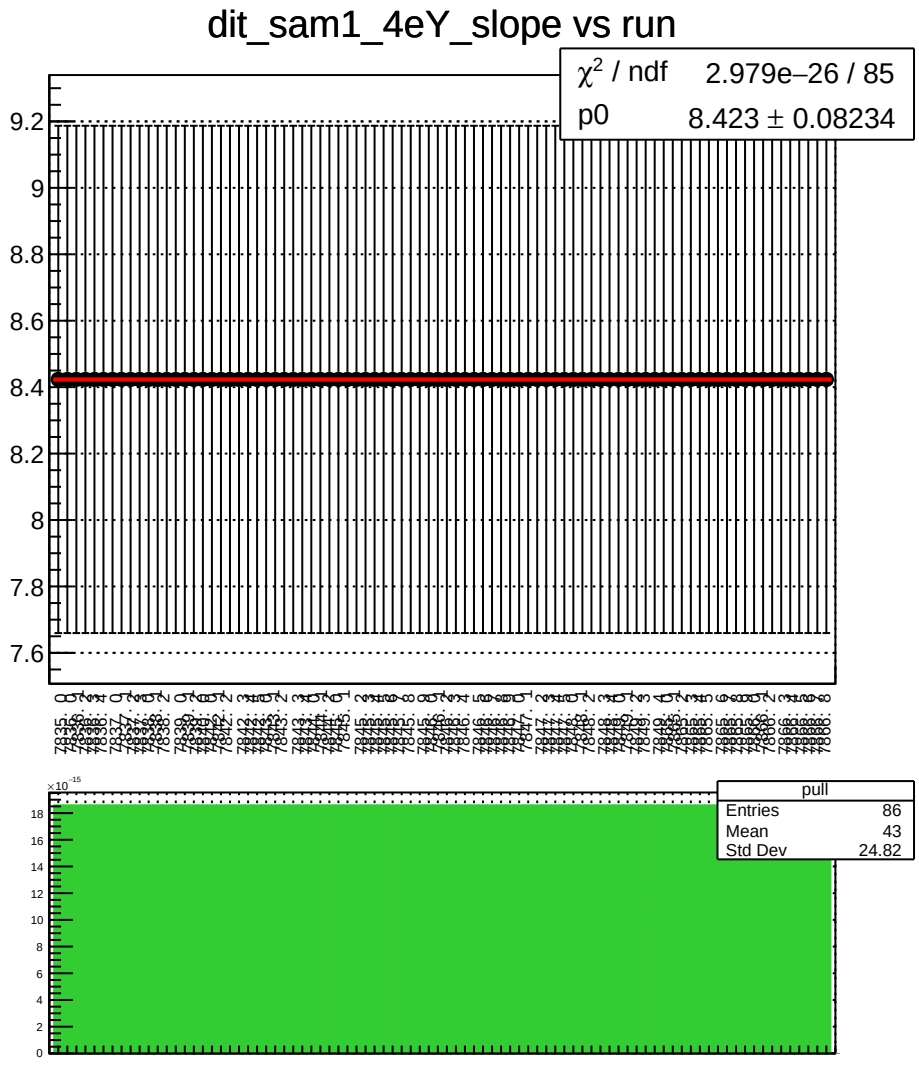

pull1D
Entries 86
Mean 3.637e−15
Std Dev 2.308e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

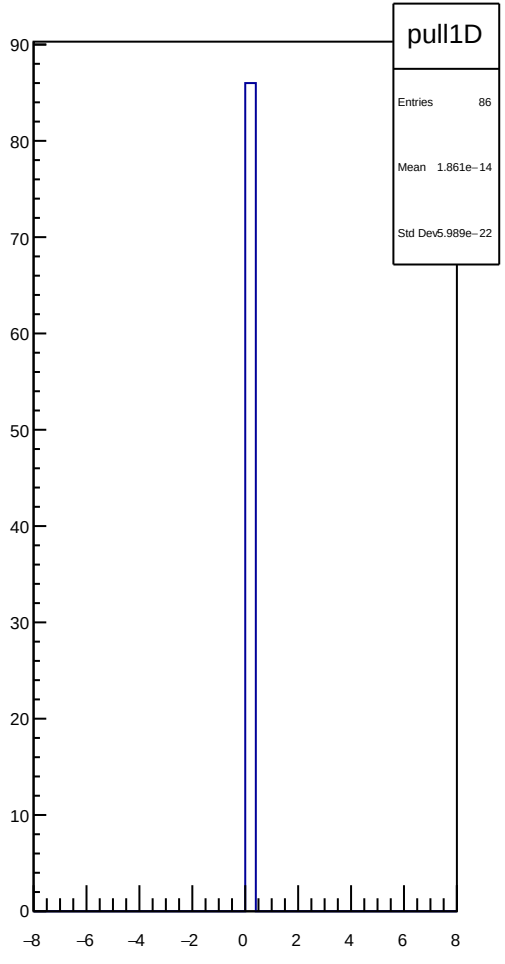

dit_sam1_4eX_slope vs run
χ² / ndf 4.658e−25 / 85
p0 −10.14 ± 0.01562
−10
−10.05
−10.1
−10.15
−10.2
−10.25
−10.3
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 86
Mean −7.36e−14
Std Dev2.934e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

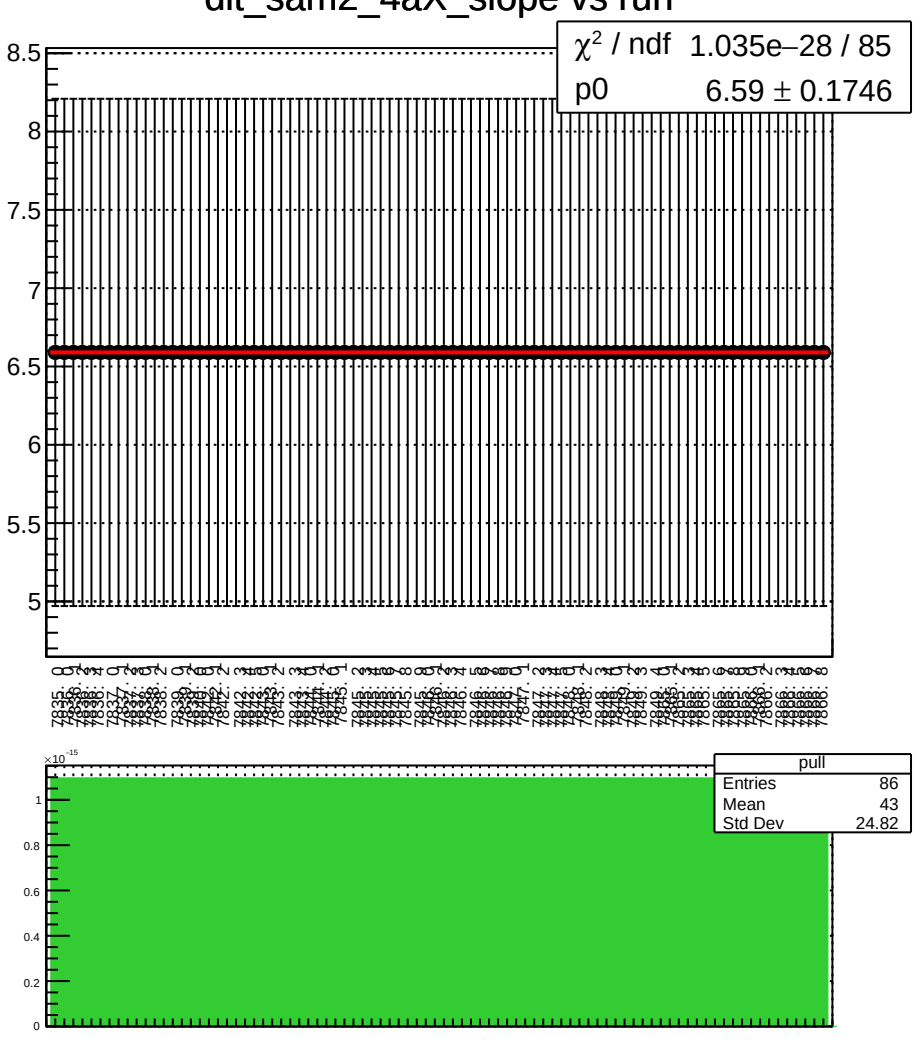

dit_sam1_11X12X_slope vs run
χ² / ndf 1.227e−27 / 85
p0 0.2881± 0.004754
0.34
0.32
0.3
0.28
0.26
0.24
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

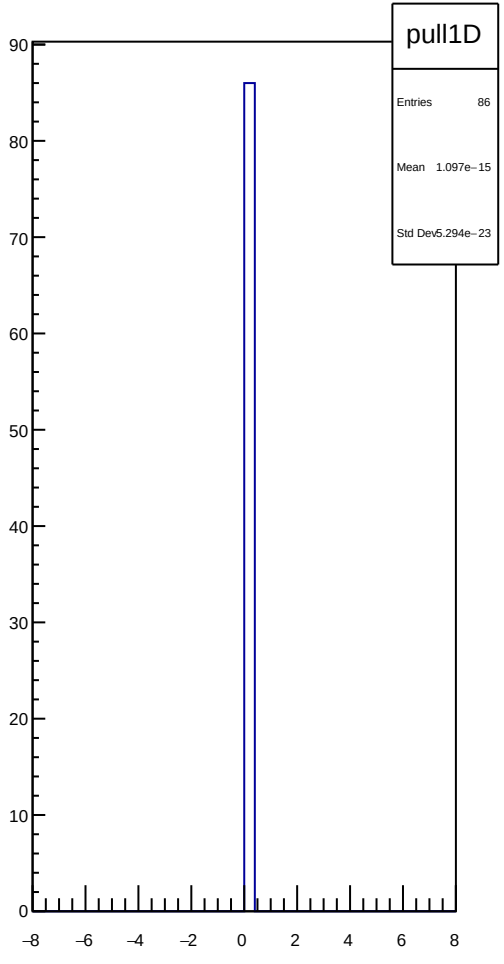

pull1D
Entries 86
Mean −3.777e−15
Std Dev1.497e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

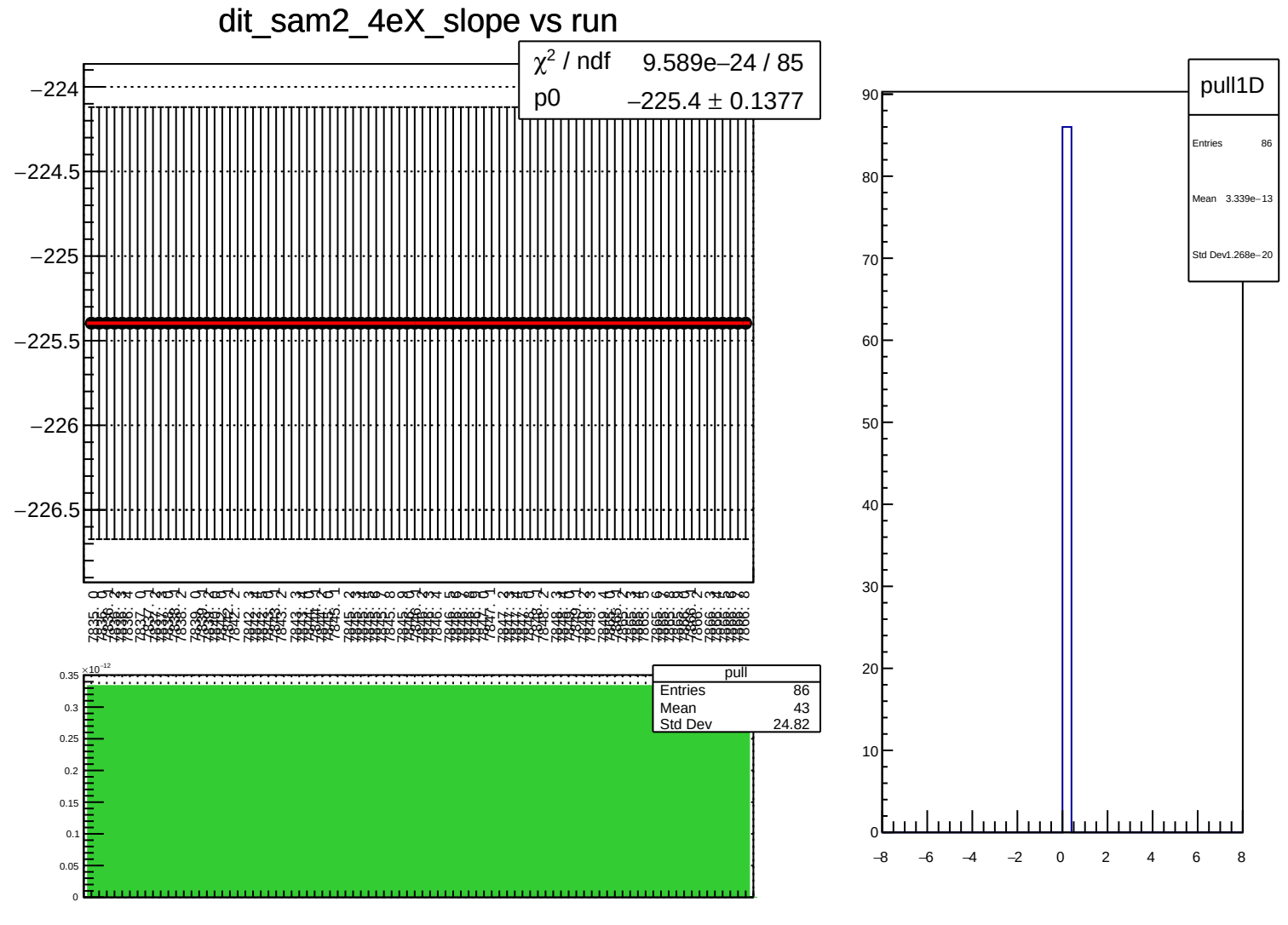

dit_sam1_4aY_slope vs run
χ² / ndf 1.183e−25 / 85
p0 −52.61 ± 0.1033
−51.5
−52
−52.5
−53
−53.5
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 3.709e−14
Std Dev2.075e−21

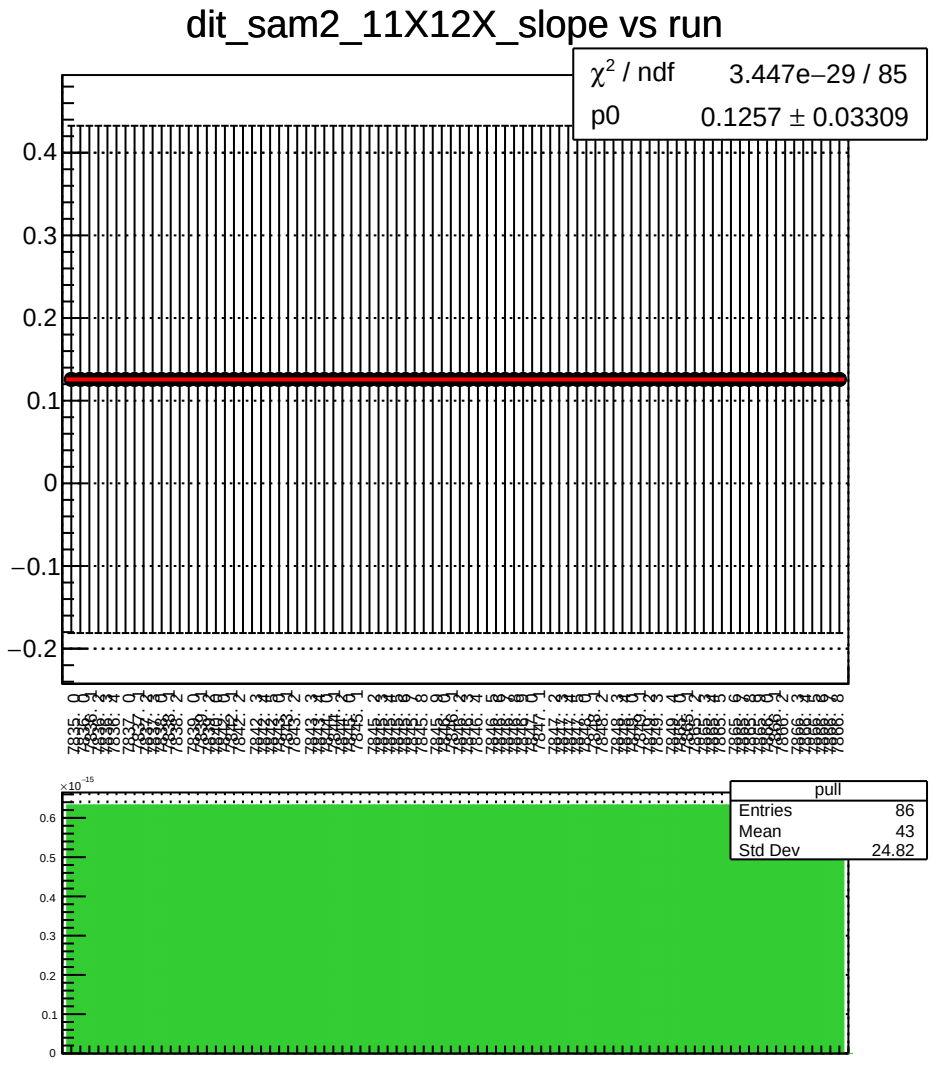

dit_sam1_4eY_slope vs run
χ² / ndf 2.979e−26 / 85
p0 8.423 ± 0.08234
pull
Entries 86
Mean 43
Std Dev 24.82

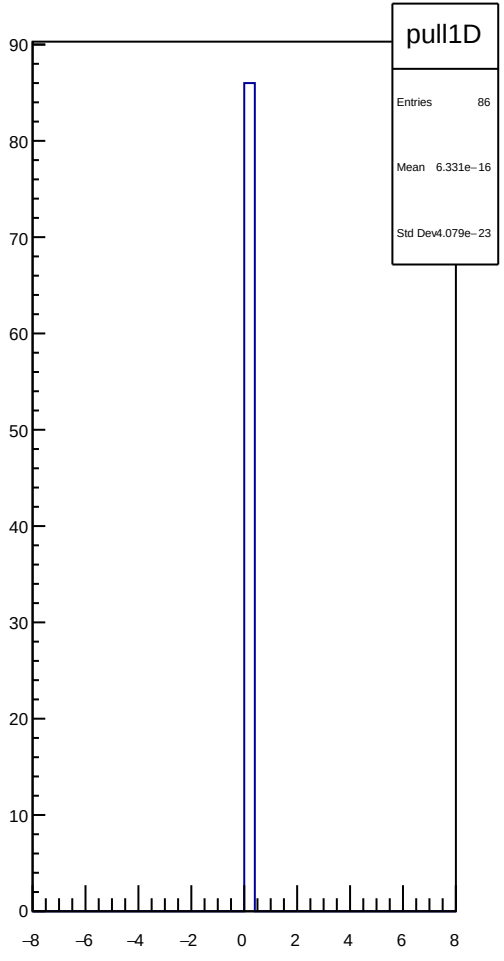

pull1D
Entries 86
Mean 1.861e−14
Std Dev 5.989e−22

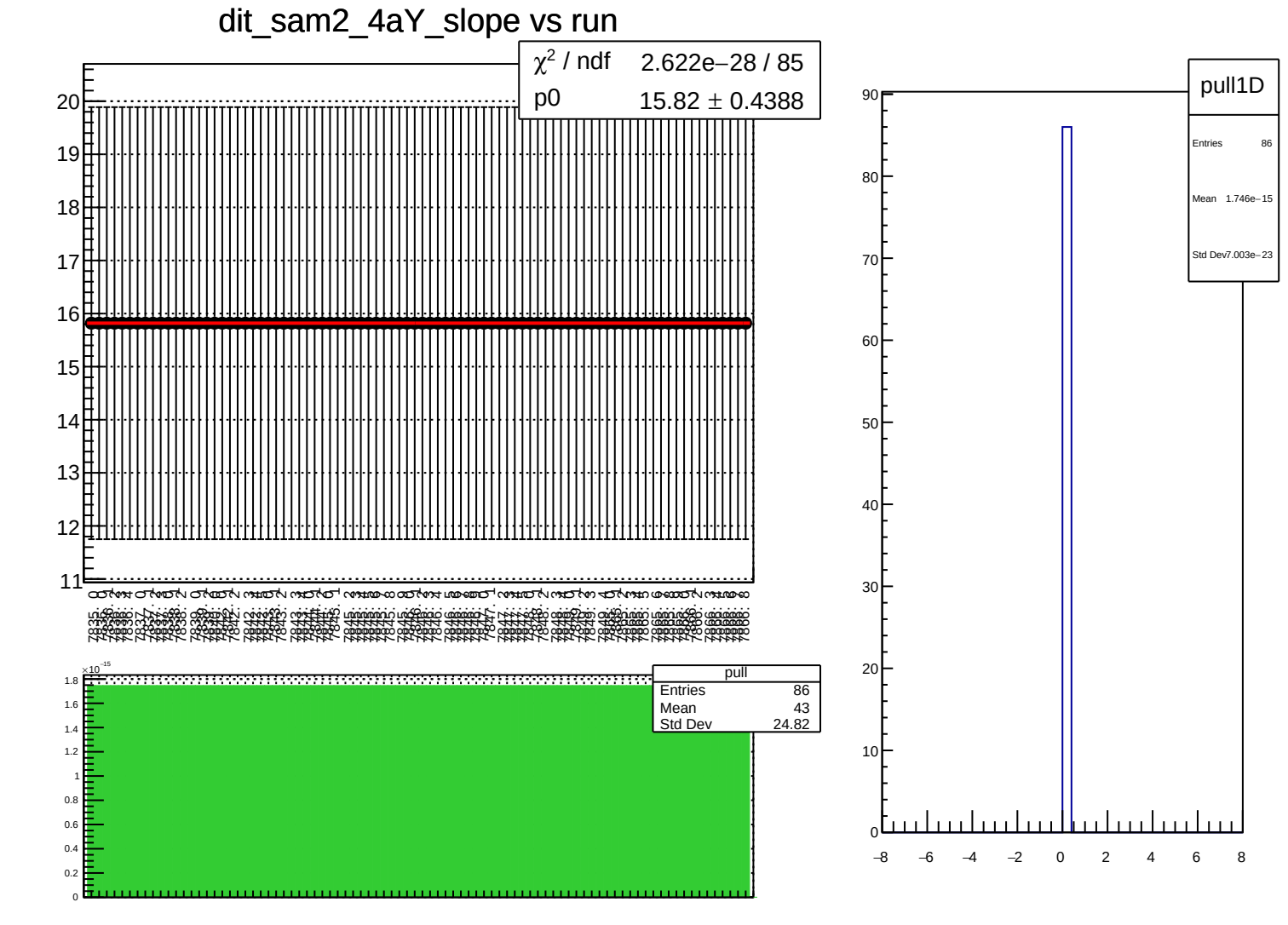

dit_sam2_4aX_slope vs run
χ² / ndf 1.035e−28 / 85
p0 6.59 ± 0.1746
pull
Entries 86
Mean 43
Std Dev 24.82

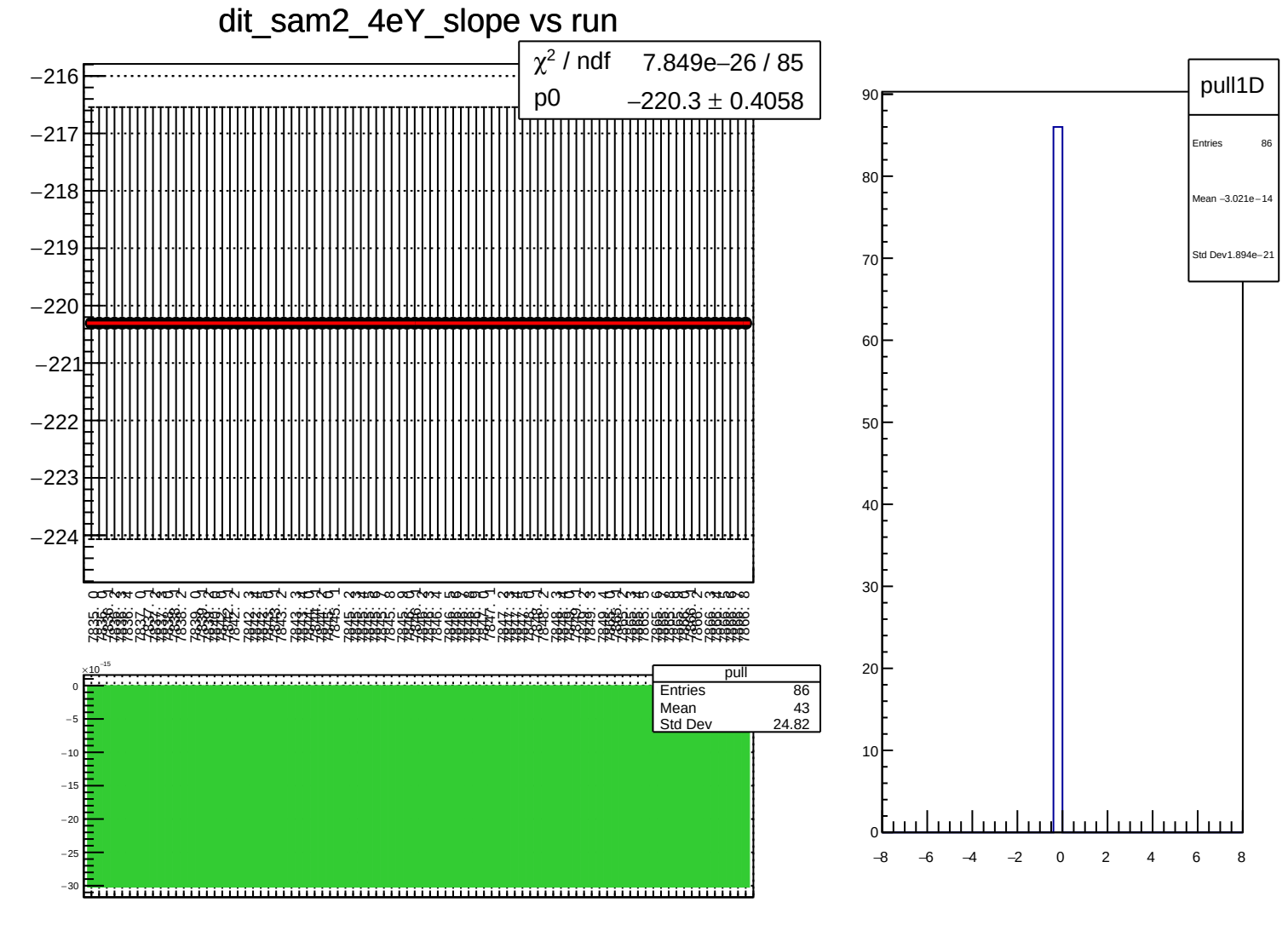

pull1D
Entries 86
Mean 1.097e−15
Std Dev 5.294e−23

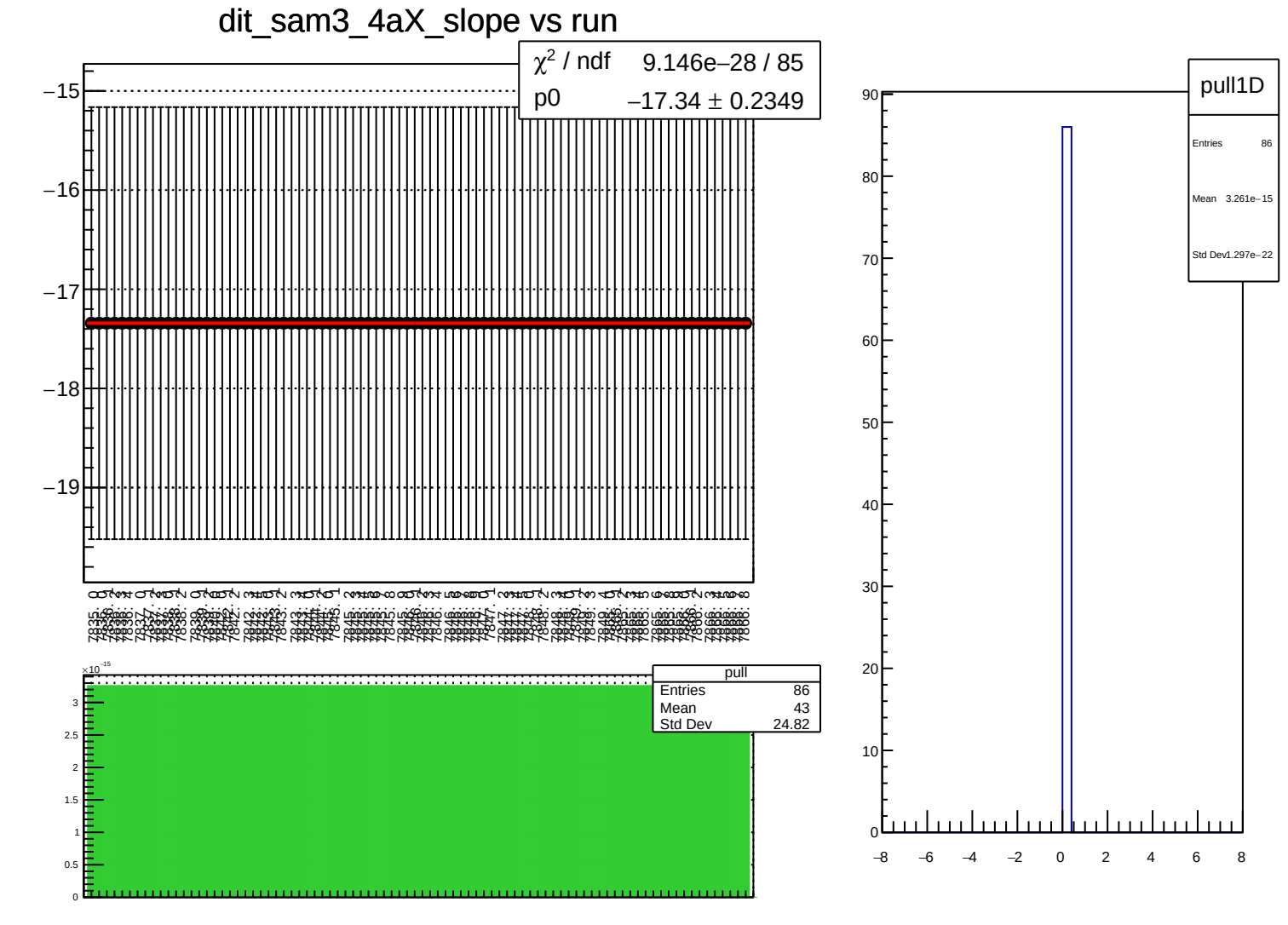

dit_sam2_4eX_slope vs run
χ² / ndf 9.589e−24 / 85
p0 −225.4 ± 0.1377
−224
−224.5
−225
−225.5
−226
−226.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 86
Mean 3.339e−13
Std Dev1.268e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

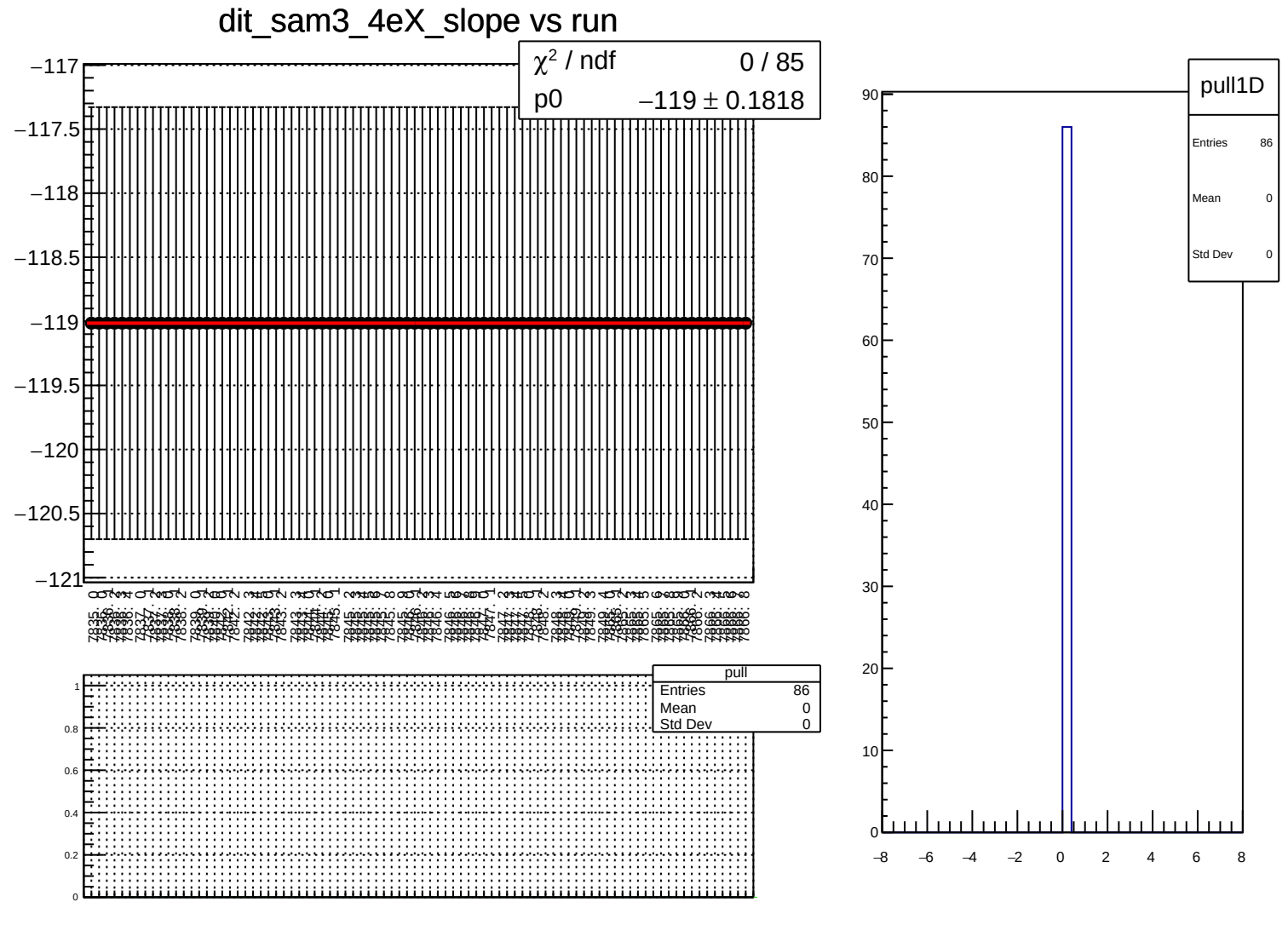

dit_sam2_11X12X_slope vs run
χ² / ndf 3.447e−29 / 85
p0 0.1257 ± 0.03309
pull
Entries 86
Mean 43
Std Dev 24.82

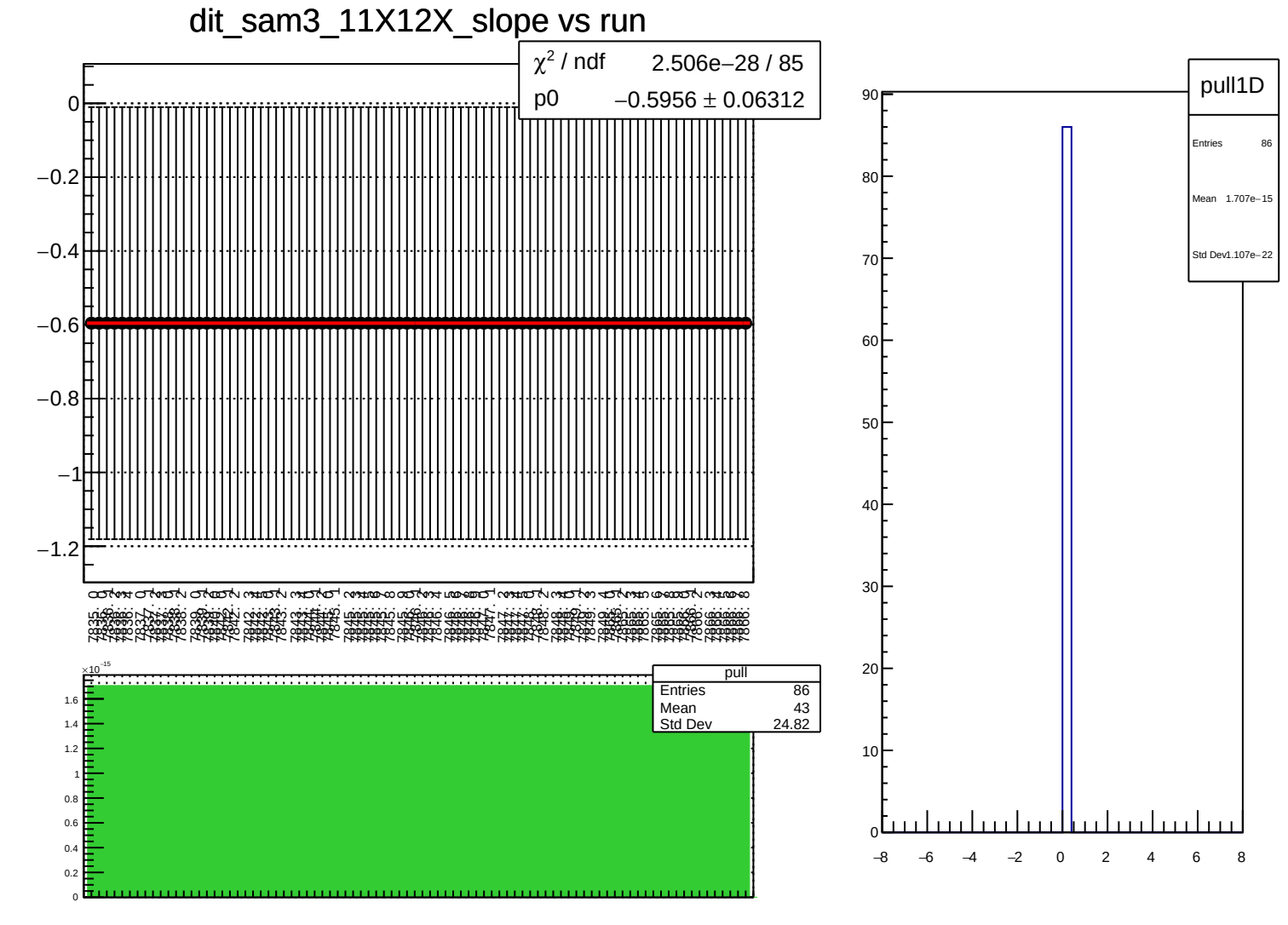

pull1D
Entries 86
Mean 6.331e−16
Std Dev 4.079e−23

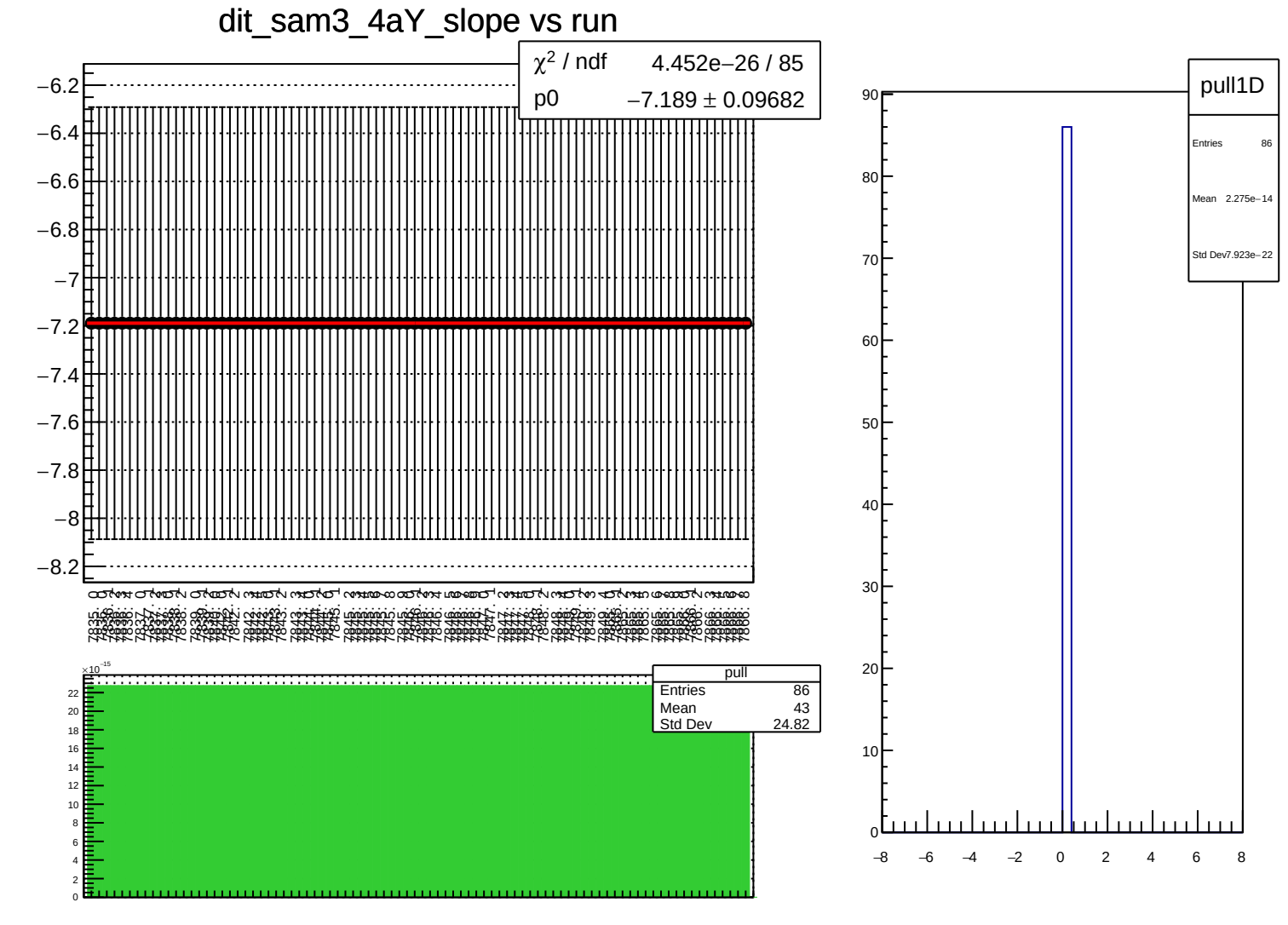

dit_sam2_4aY_slope vs run
χ² / ndf 2.622e−28 / 85
p0 15.82 ± 0.4388
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.746e−15
Std Dev7.003e−23

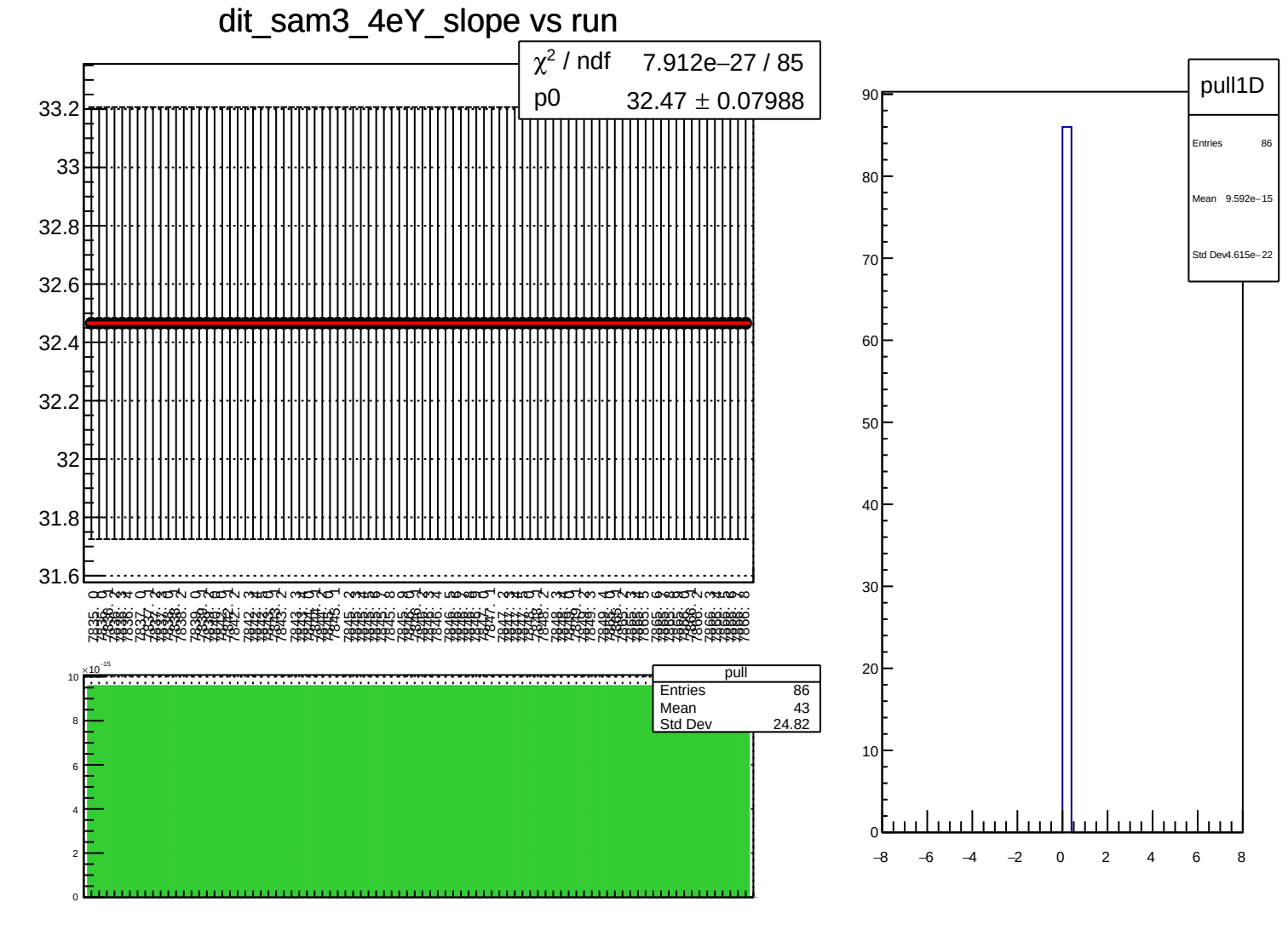

dit_sam2_4eY_slope vs run
χ² / ndf 7.849e−26 / 85
p0 −220.3 ± 0.4058
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −3.021e−14
Std Dev1.894e−21

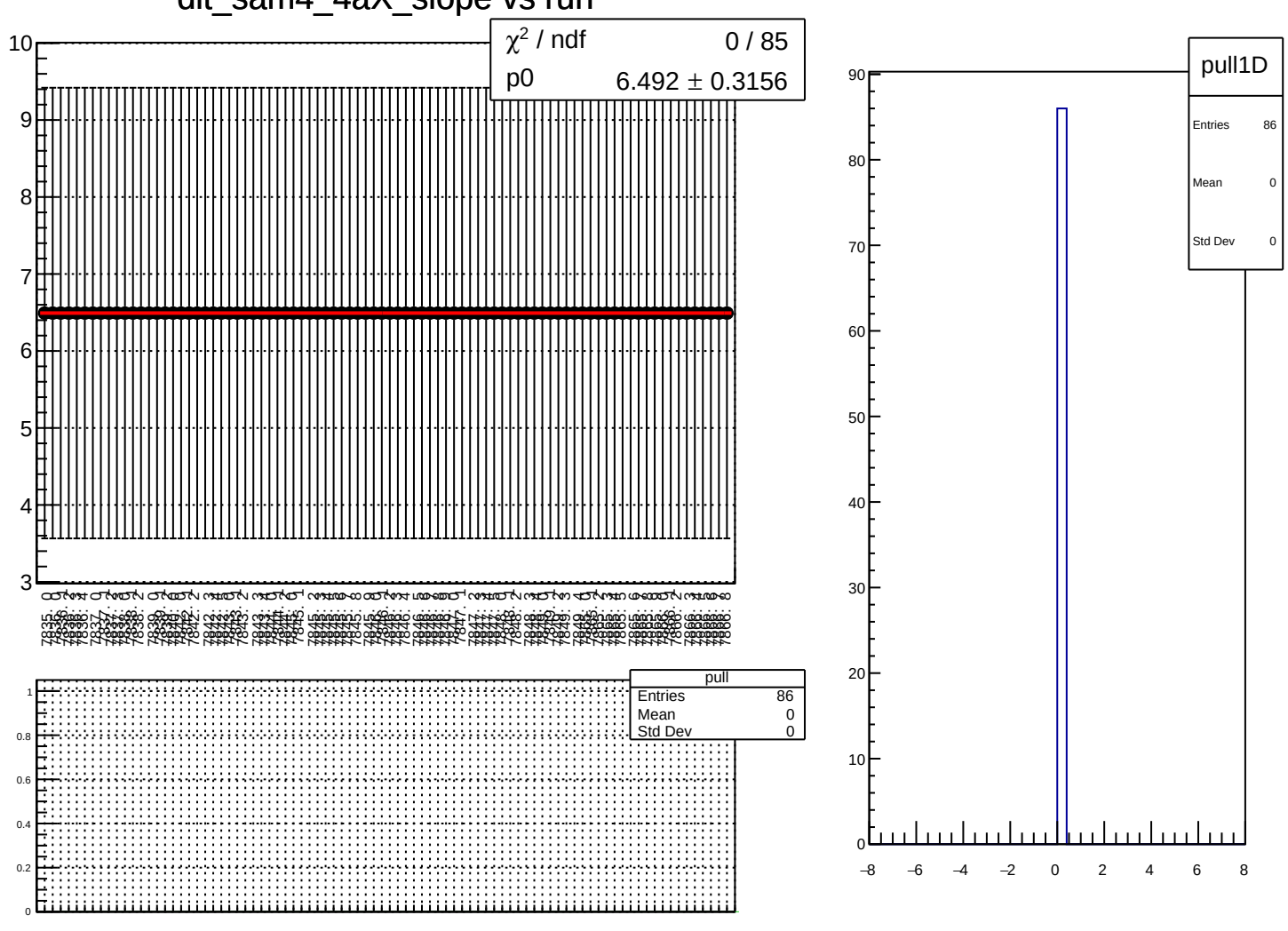

dit_sam3_4aX_slope vs run
χ² / ndf 9.146e−28 / 85
p0 −17.34 ± 0.2349
−15
−16
−17
−18
−19
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 86
Mean 3.261e−15
Std Dev1.297e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

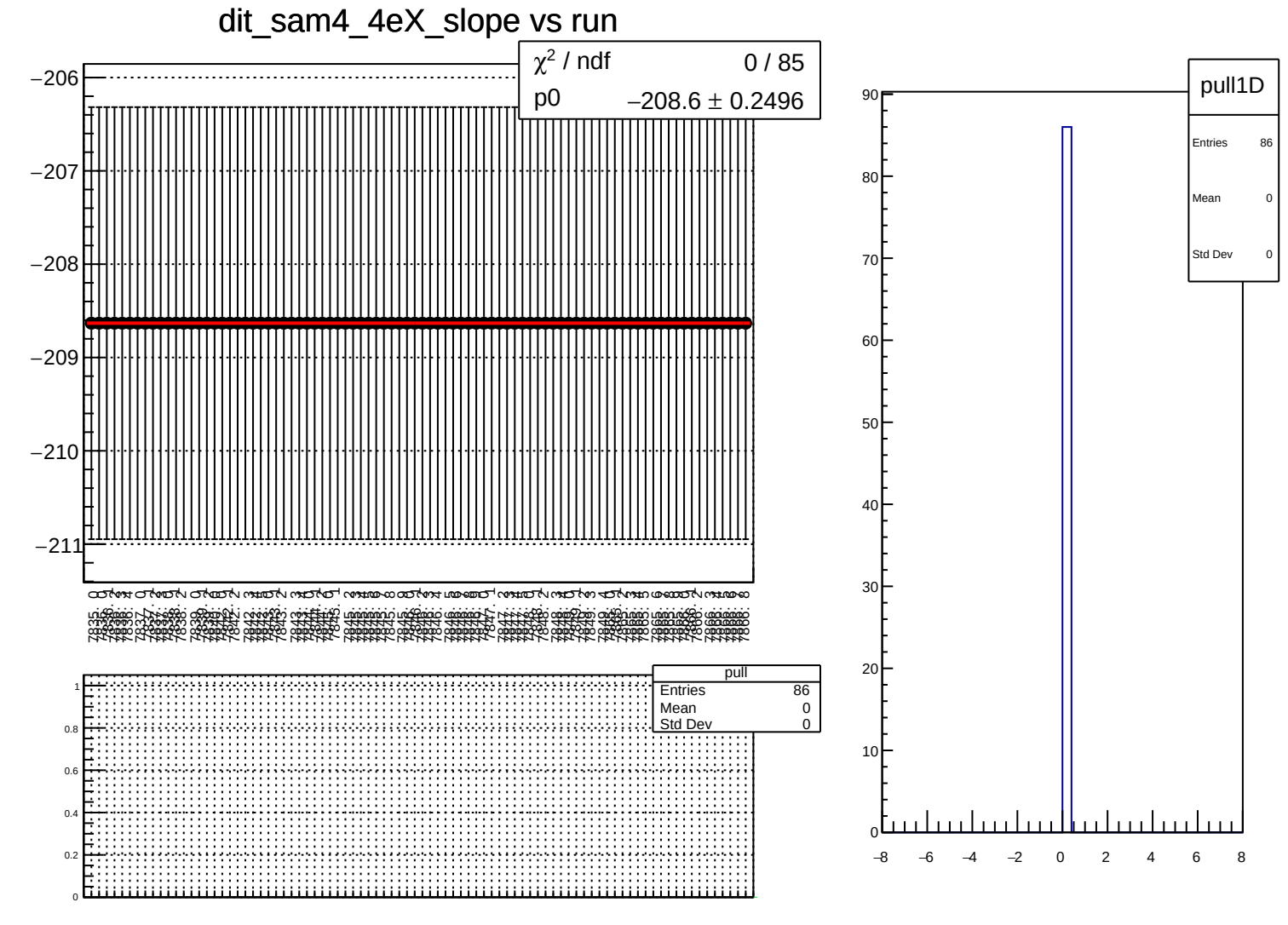

dit_sam3_4eX_slope vs run
χ^2 / ndf 0 / 85
p0 −119 ± 0.1818
−117
−117.5
−118
−118.5
−119
−119.5
−120
−120.5
−121
pull
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 86
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

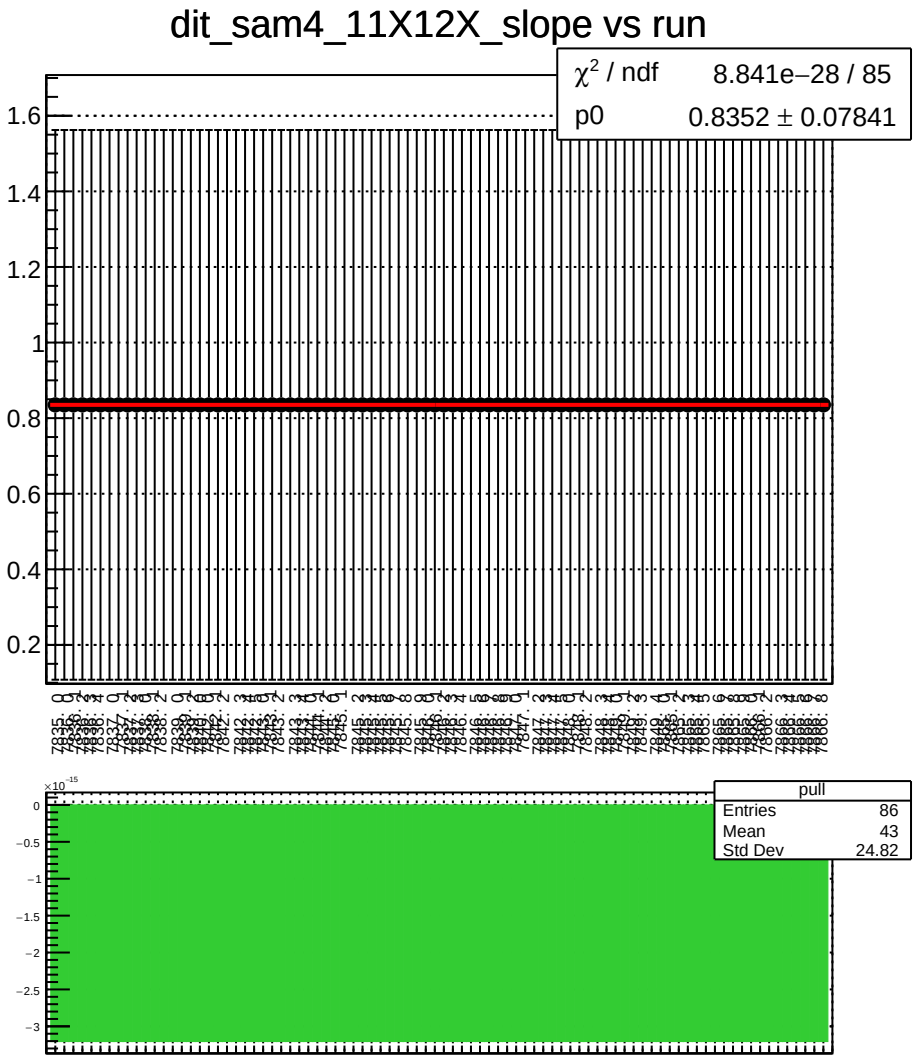

dit_sam3_11X12X_slope vs run
χ² / ndf 2.506e−28 / 85
p0 −0.5956 ± 0.06312
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.707e−15
Std Dev1.107e−22

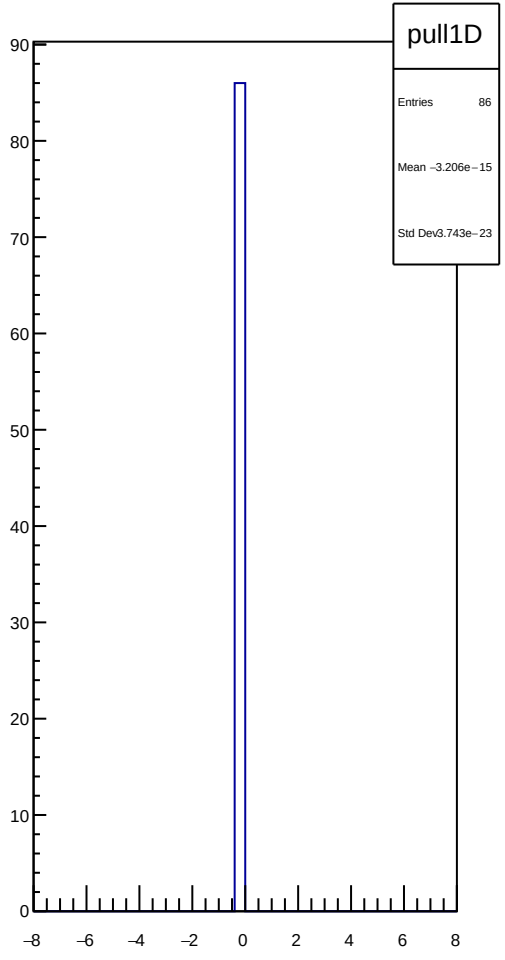

dit_sam3_4aY_slope vs run
χ² / ndf 4.452e−26 / 85
p0 −7.189 ± 0.09682
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 2.275e−14
Std Dev7.923e−22

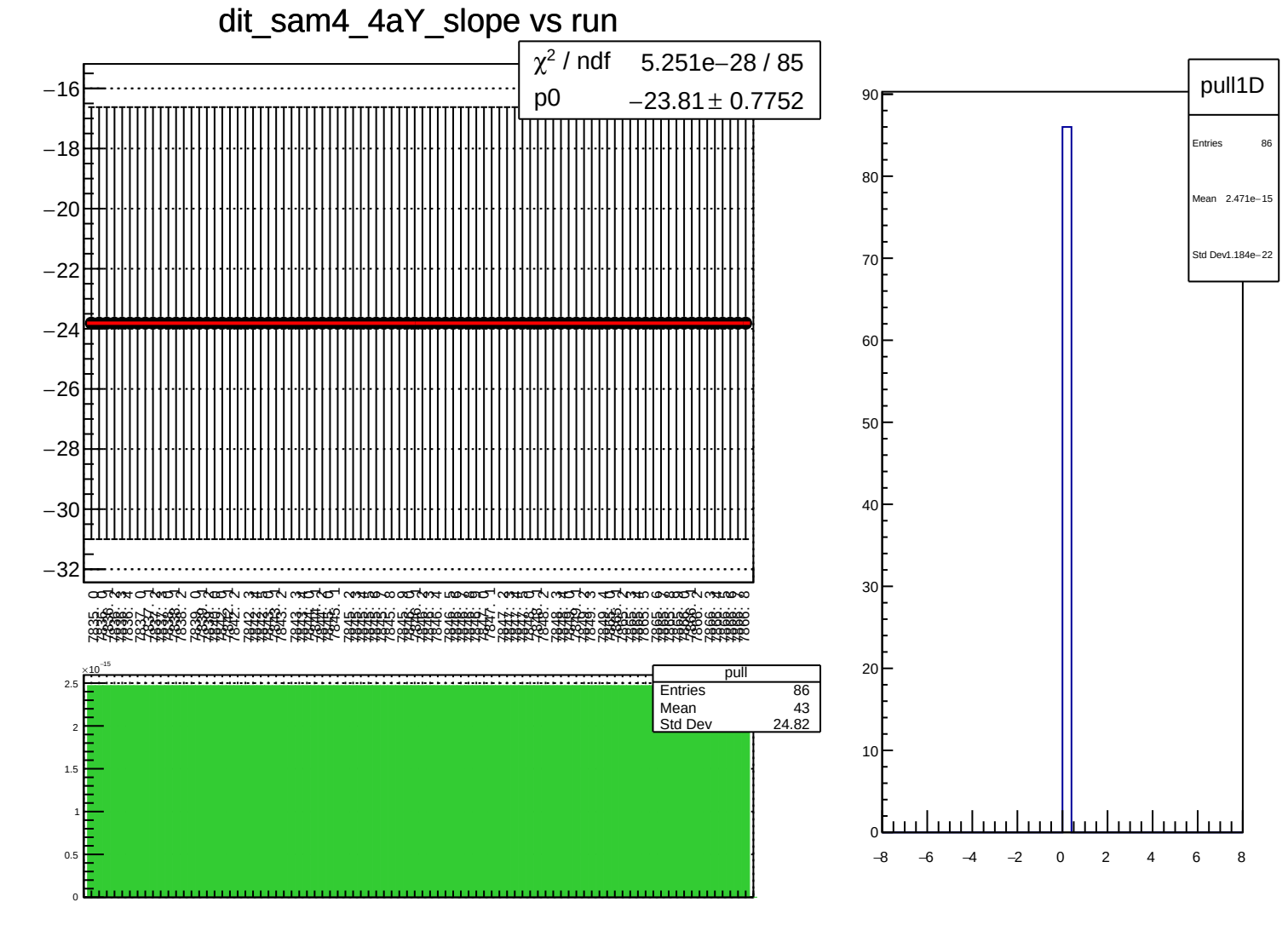

dit_sam3_4eY_slope vs run
χ² / ndf 7.912e−27 / 85
p0 32.47 ± 0.07988
33.2
33
32.8
32.6
32.4
32.2
32
31.8
31.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
10
8
6
4
2
0
pull1D
Entries 86
Mean 9.592e−15
Std Dev 4.615e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

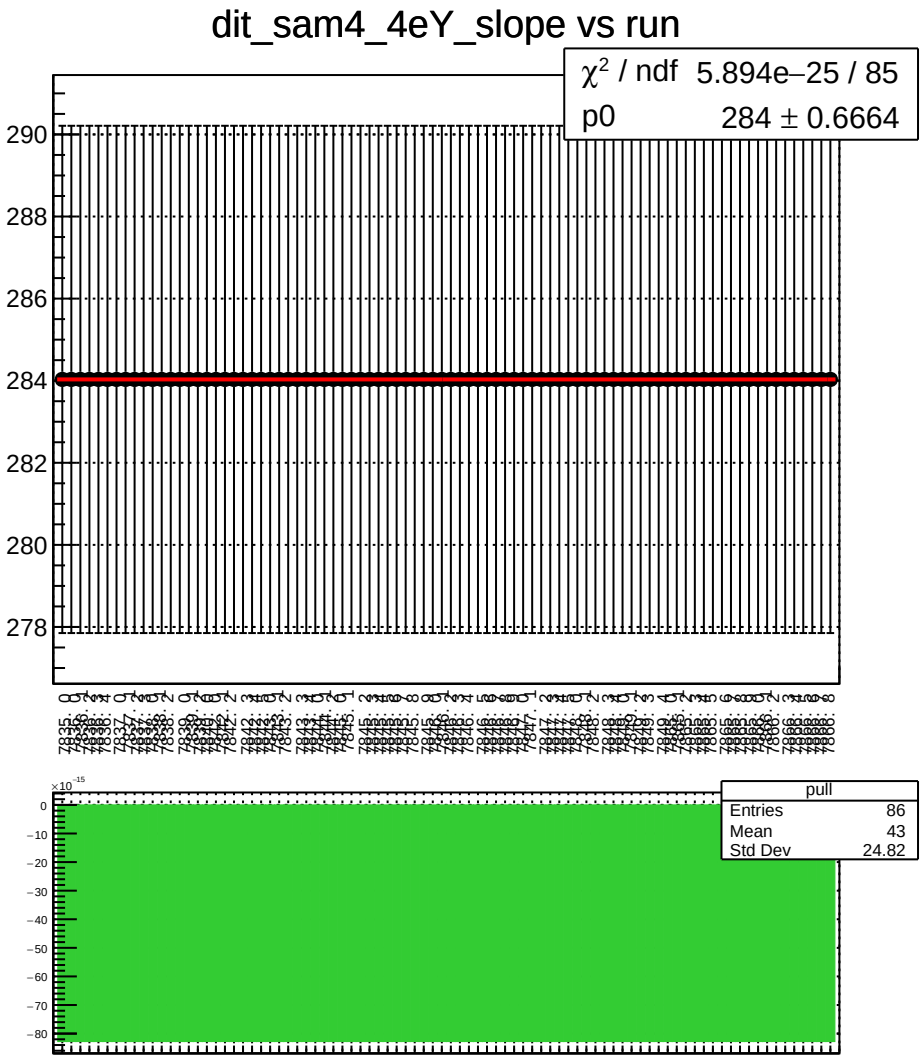

dit_sam4_4aX_slope vs run
χ² / ndf 0 / 85
p0 6.492 ± 0.3156
pull
Entries 86
Mean 0
Std Dev 0
pull1D
Entries 86
Mean 0
Std Dev 0

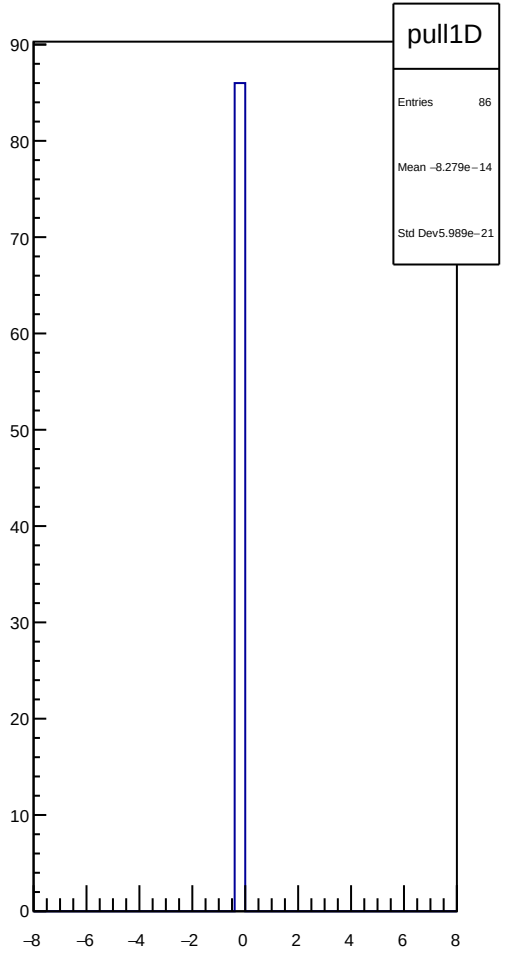

dit_sam4_4eX_slope vs run
χ² / ndf 0 / 85
p0 −208.6 ± 0.2496
−206
−207
−208
−209
−210
−211
pull
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 86
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

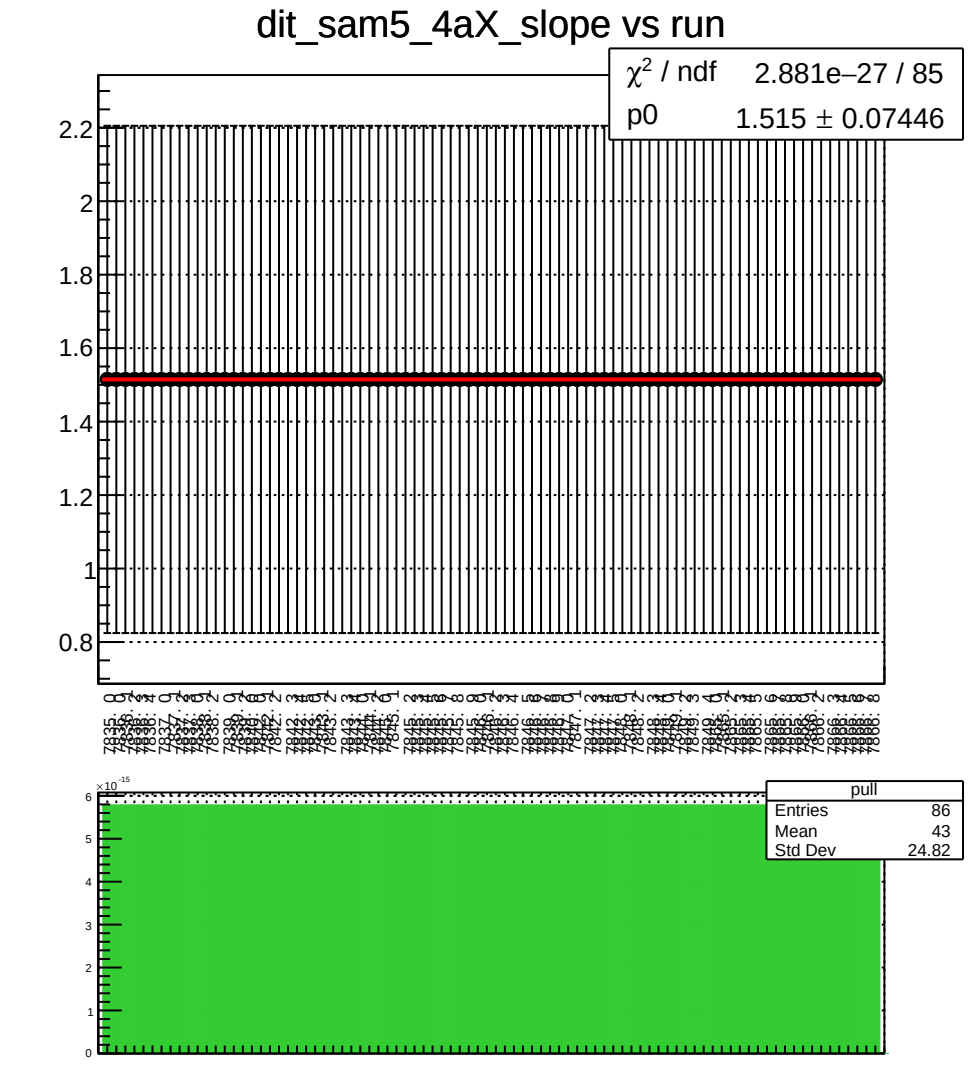

dit_sam4_11X12X_slope vs run
χ² / ndf 8.841e−28 / 85
p0 0.8352 ± 0.07841
pull
Entries 86
Mean 43
Std Dev 24.82

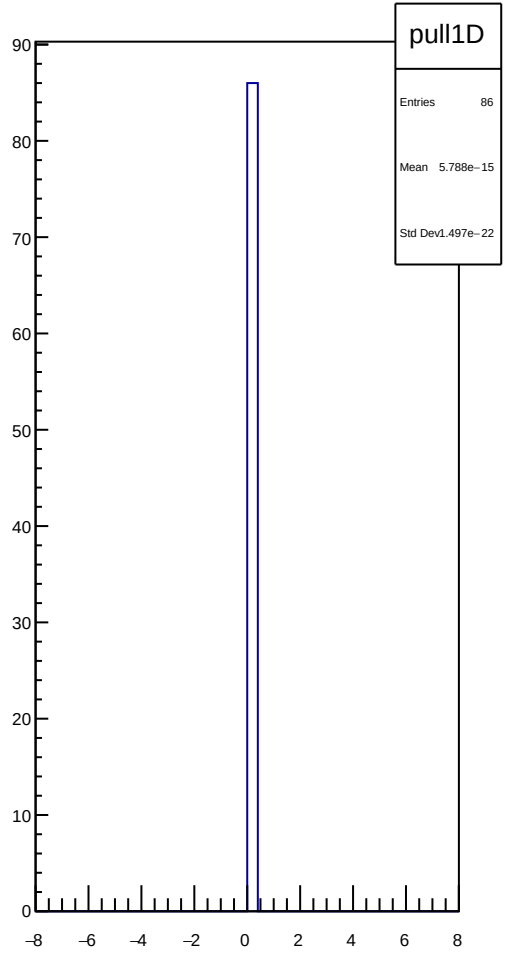

pull1D
Entries 86
Mean −3.206e−15
Std Dev 3.743e−23

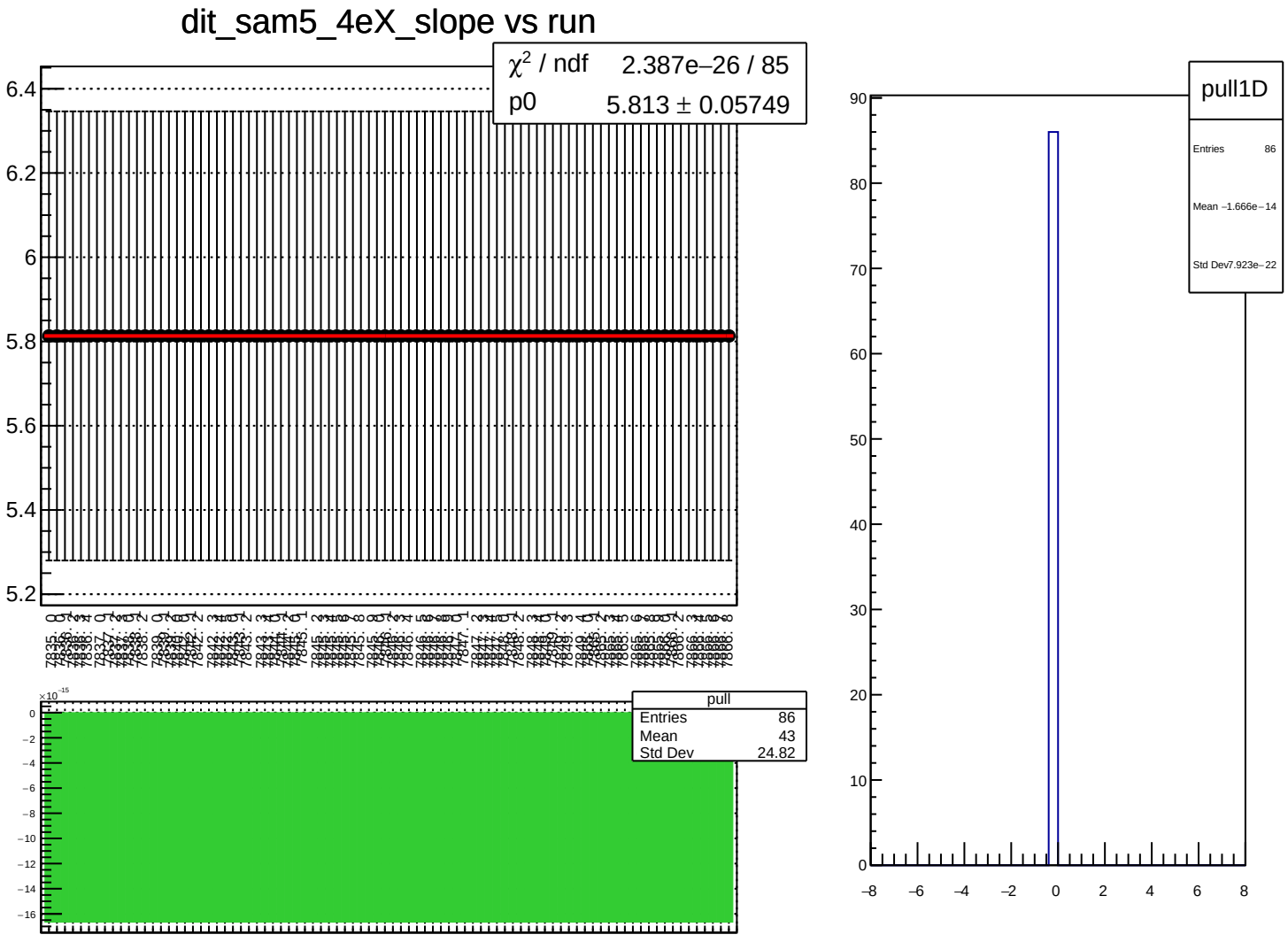

dit_sam4_4aY_slope vs run
χ² / ndf 5.251e−28 / 85
p0 −23.81 ± 0.7752
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 2.471e−15
Std Dev1.184e−22

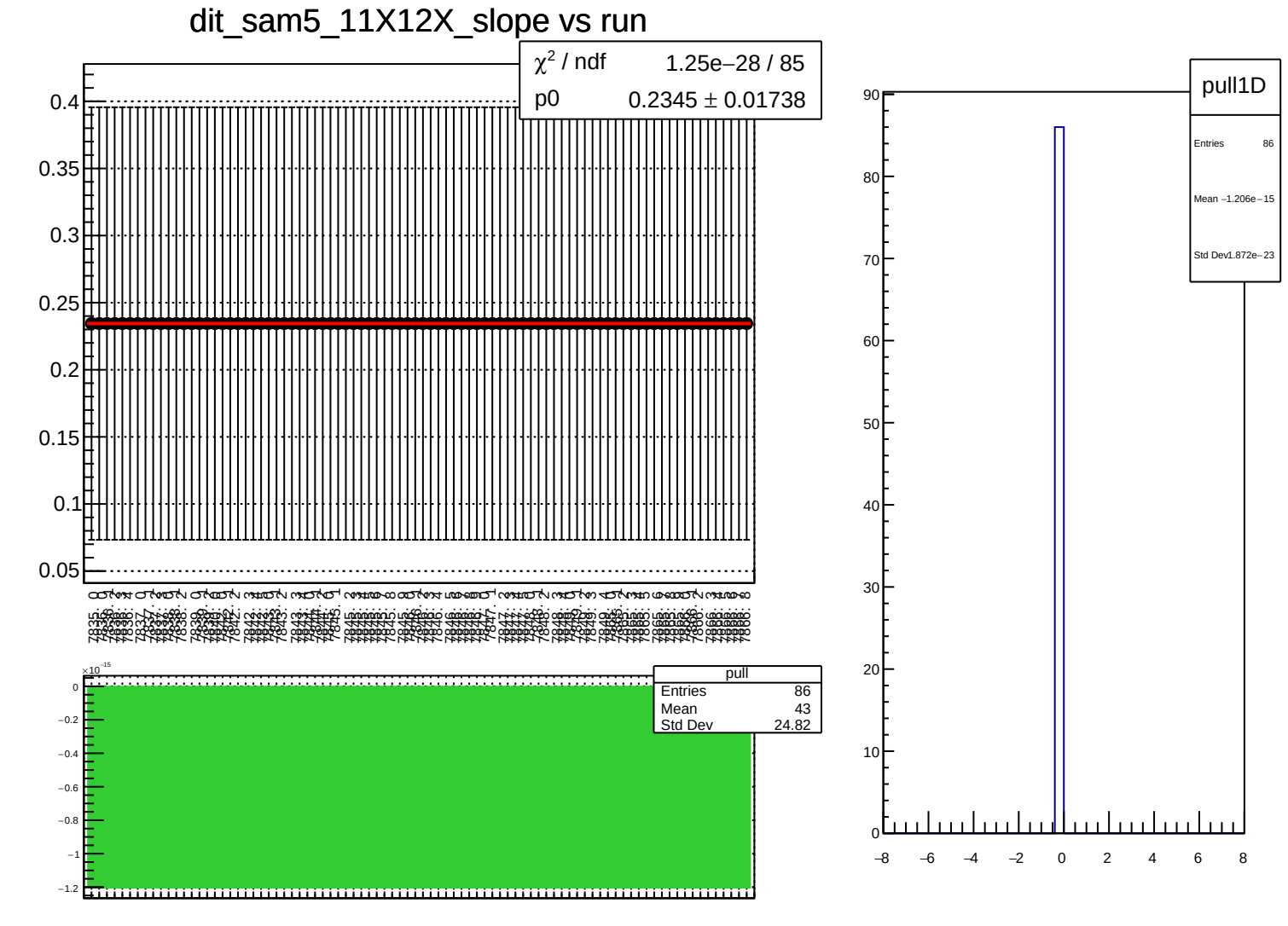

dit_sam4_4eY_slope vs run
χ² / ndf 5.894e−25 / 85
p0 284 ± 0.6664
290
288
286
284
282
280
278
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
pull
Entries 86
Mean 43
Std Dev 24.82

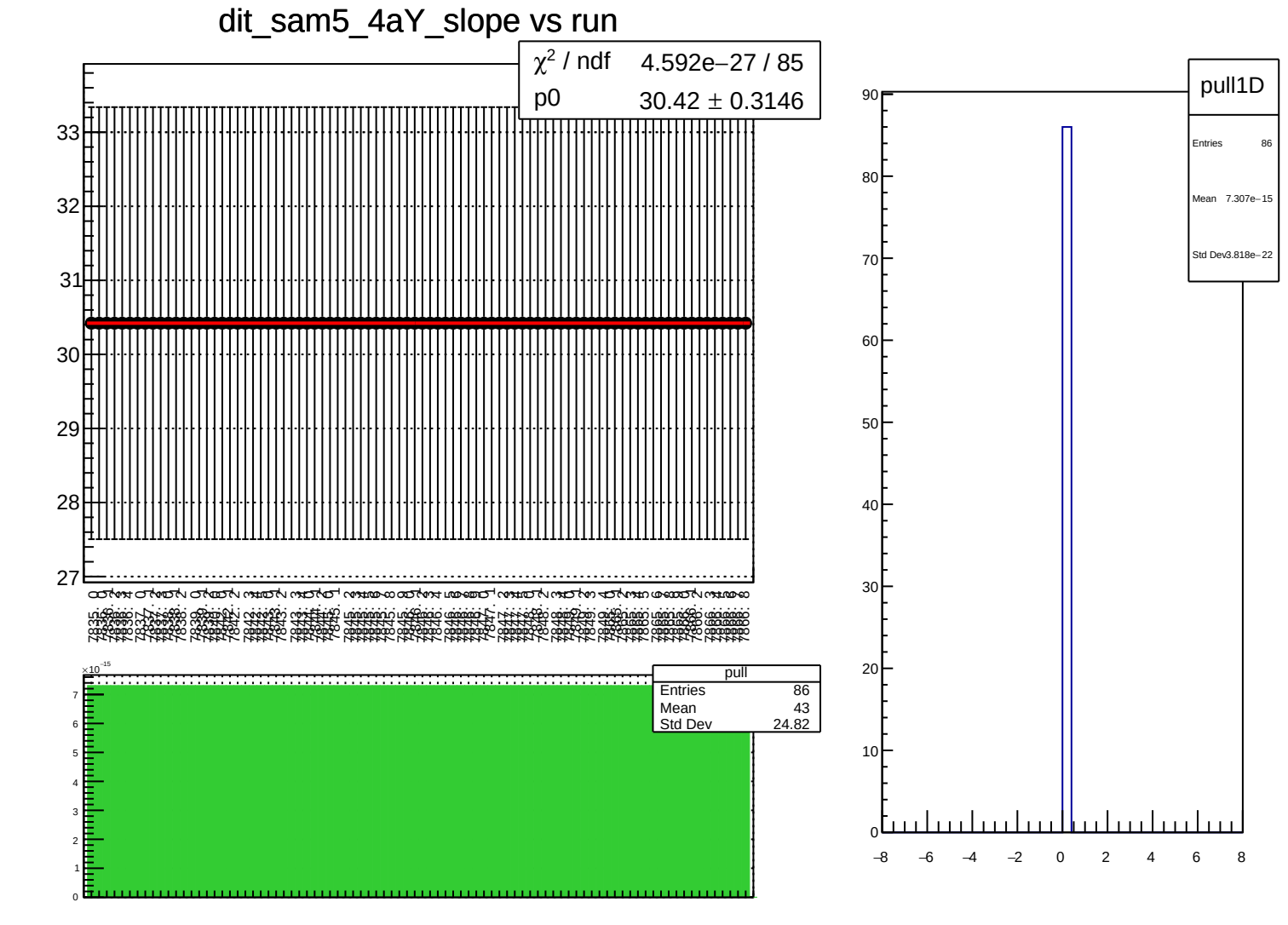

pull1D
Entries 86
Mean −8.279e−14
Std Dev5.989e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

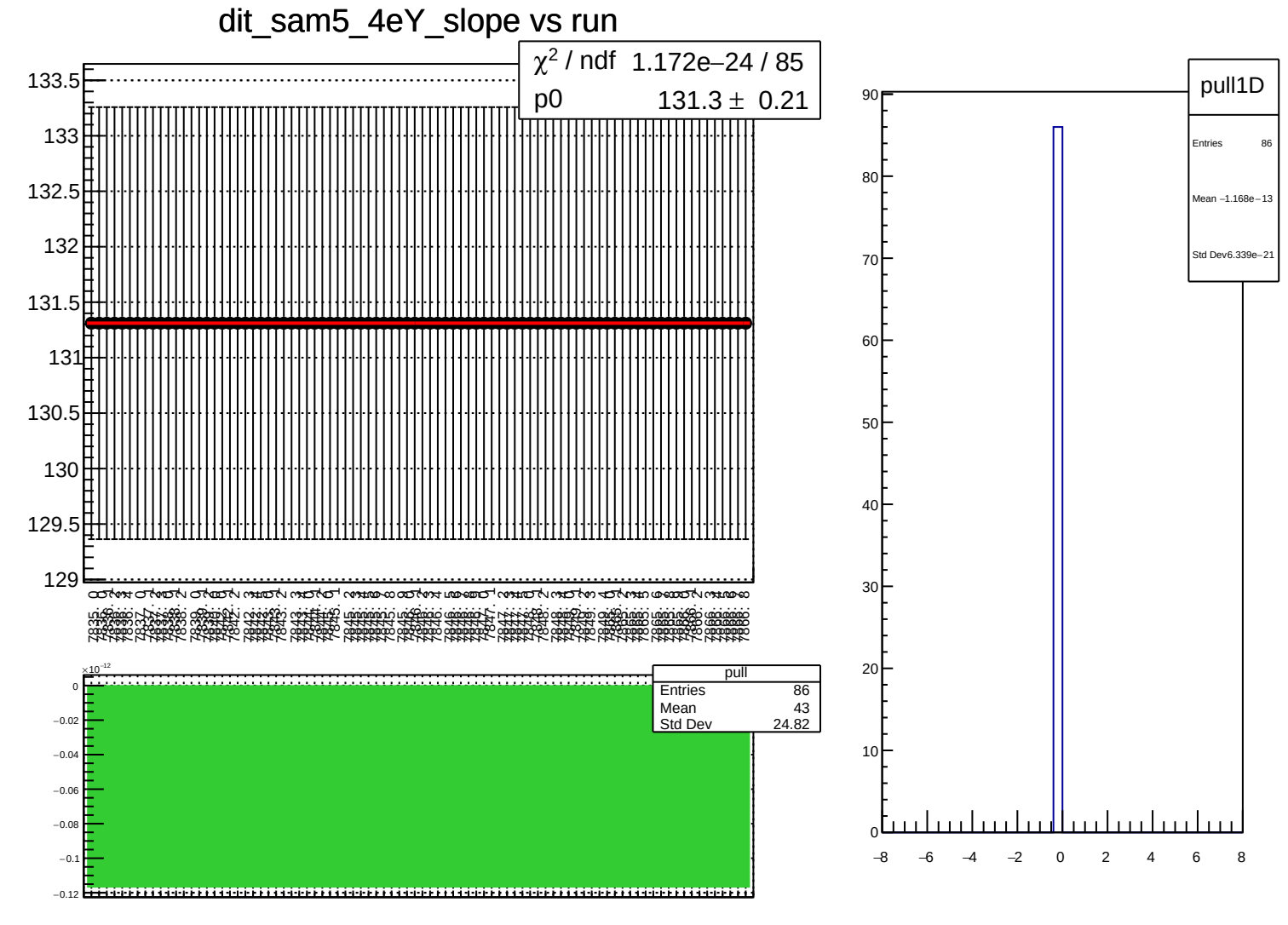

dit_sam5_4aX_slope vs run
χ² / ndf 2.881e−27 / 85
p0 1.515 ± 0.07446
pull
Entries 86
Mean 43
Std Dev 24.82

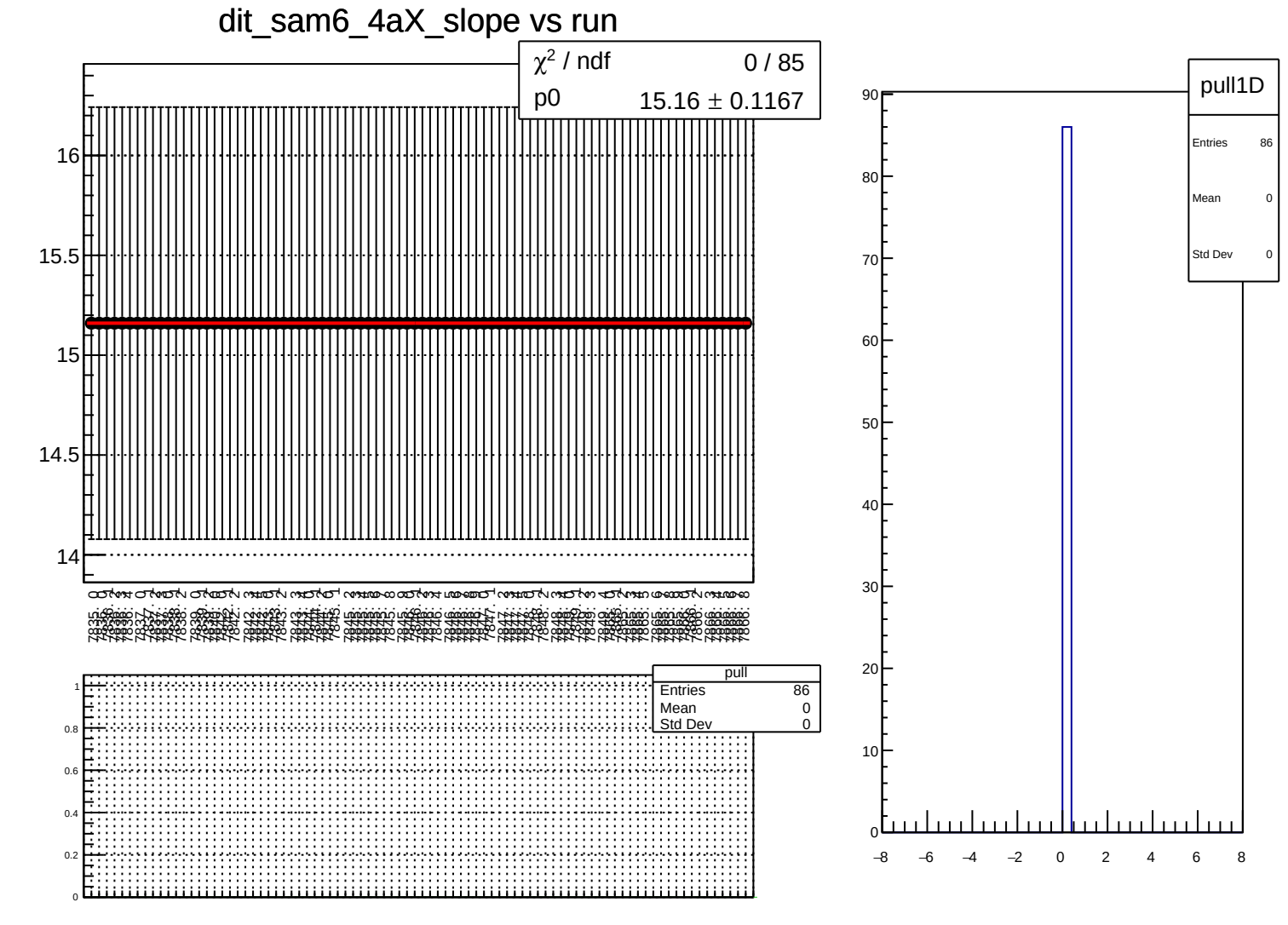

pull1D
Entries 86
Mean 5.788e−15
Std Dev1.497e−22

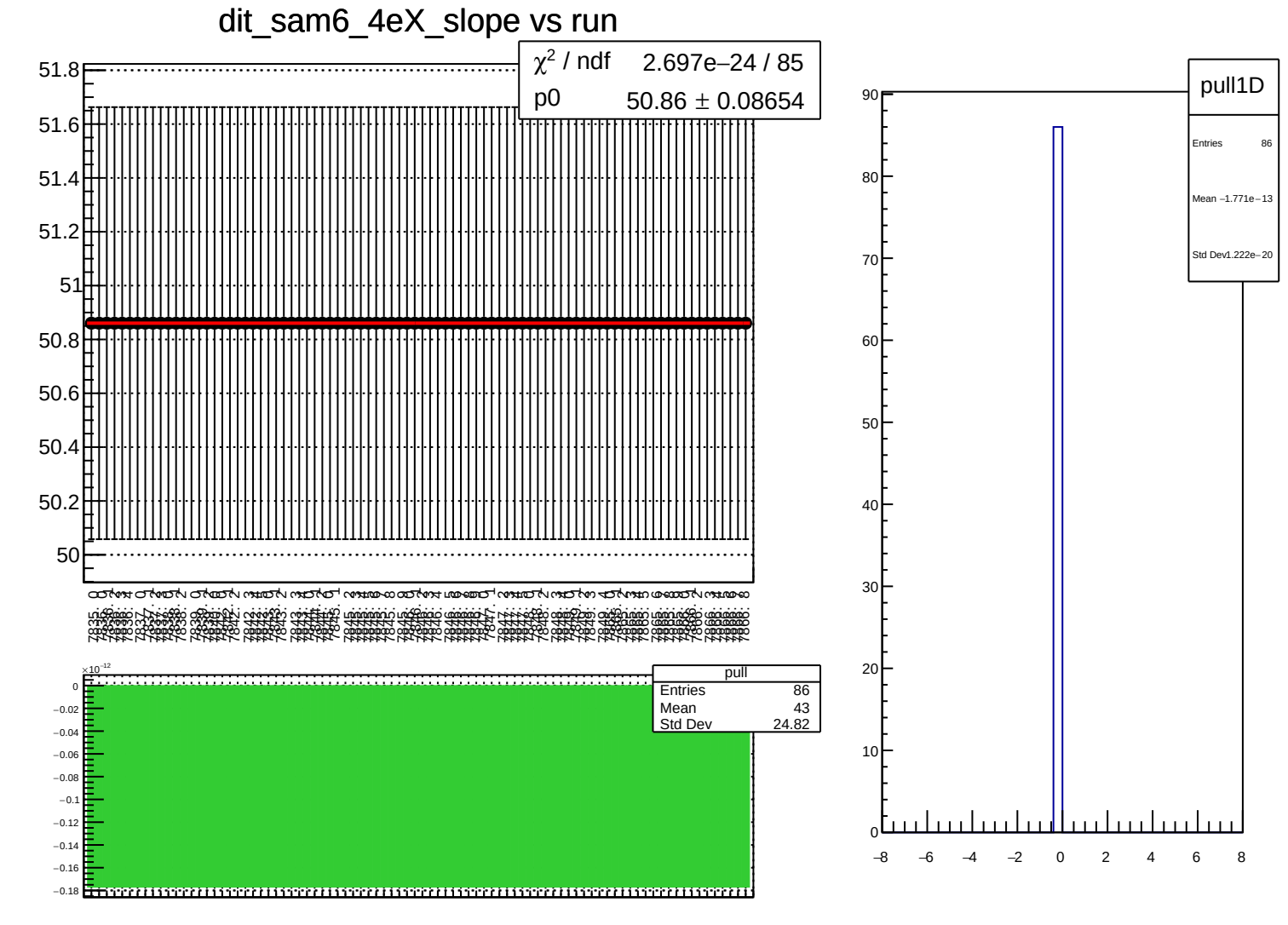

dit_sam5_4eX_slope vs run
χ² / ndf 2.387e−26 / 85
p0 5.813 ± 0.05749
6.4
6.2
6
5.8
5.6
5.4
5.2
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 86
Mean −1.666e−14
Std Dev7.923e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

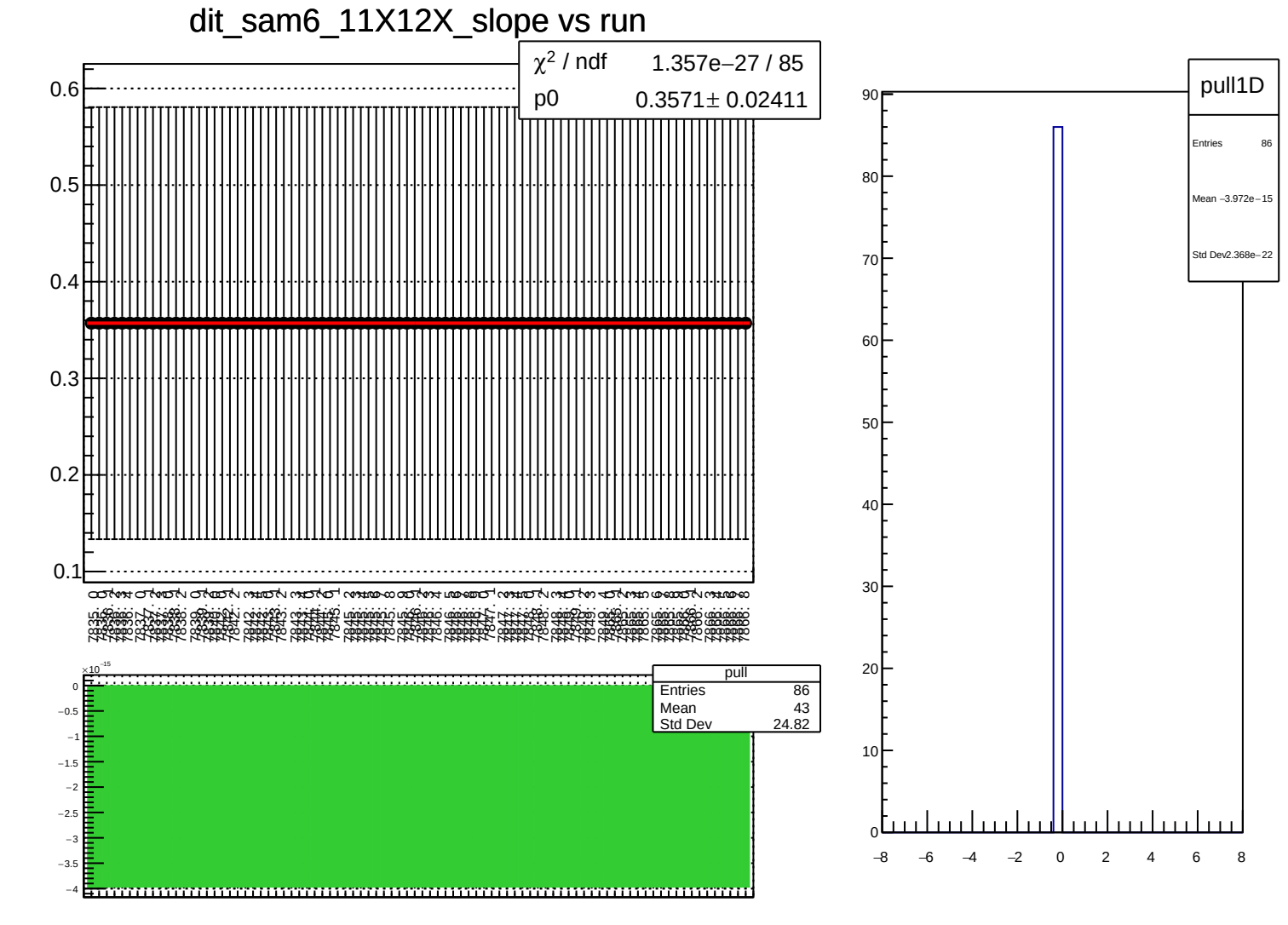

dit_sam5_11X12X_slope vs run
χ² / ndf 1.25e−28 / 85
p0 0.2345 ± 0.01738
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 86
Mean −1.206e−15
Std Dev1.872e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

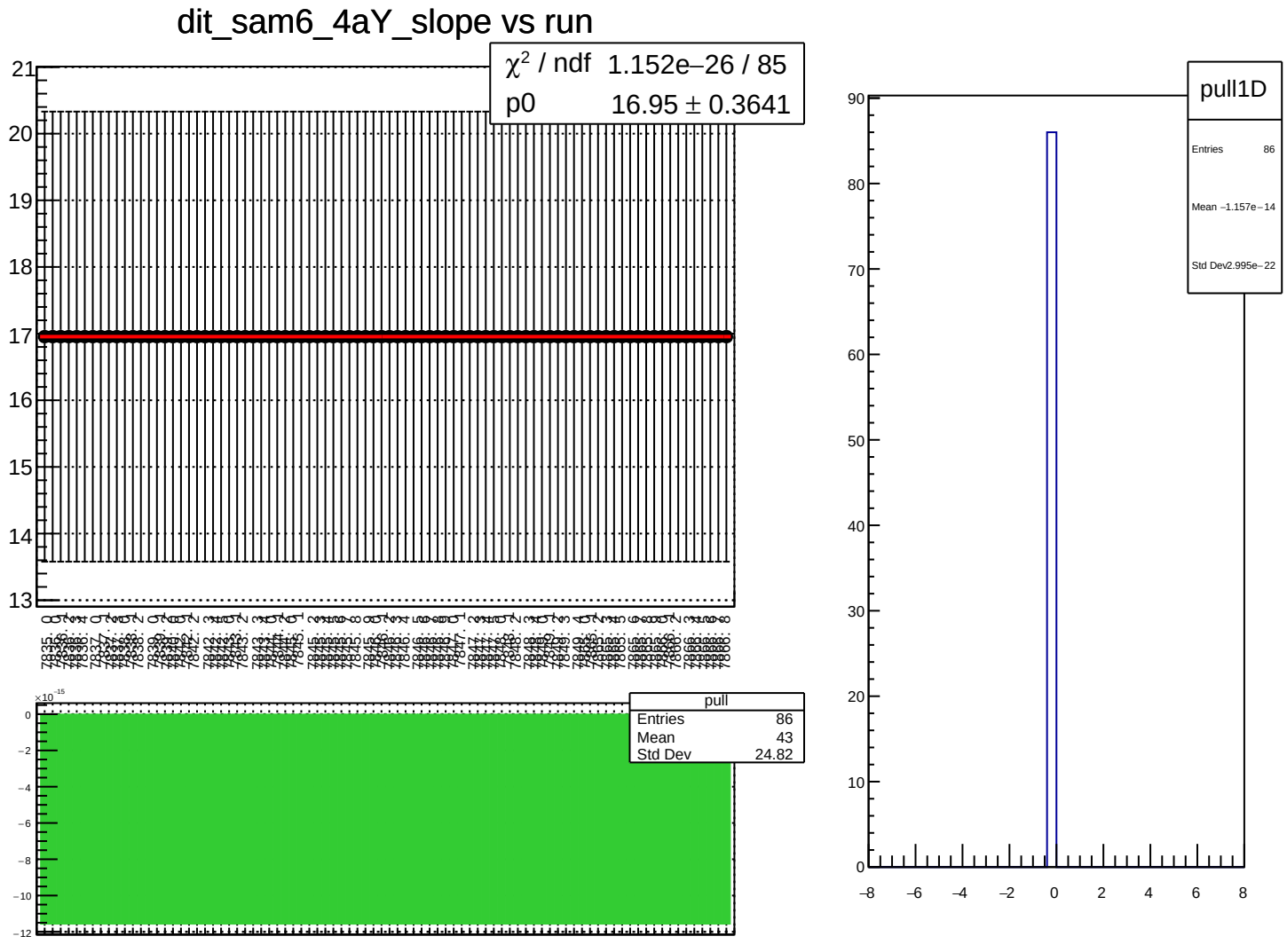

dit_sam5_4aY_slope vs run
χ² / ndf 4.592e−27 / 85
p0 30.42 ± 0.3146
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 7.307e−15
Std Dev 3.818e−22

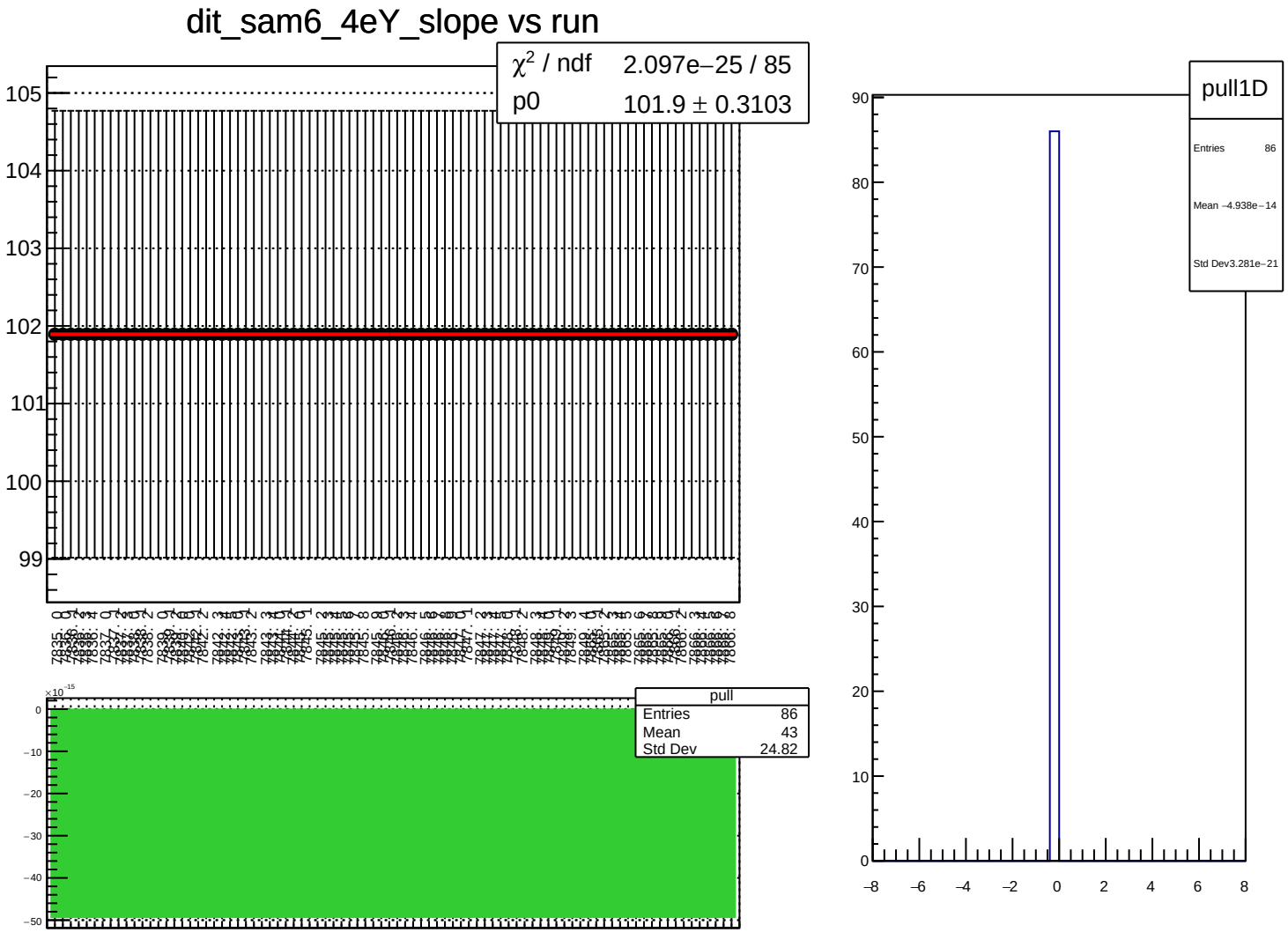

dit_sam5_4eY_slope vs run
χ² / ndf 1.172e−24 / 85
p0 131.3 ± 0.21
133.5
133
132.5
132
131.5
131
130.5
130
129.5
129
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 86
Mean −1.168e−13
Std Dev6.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

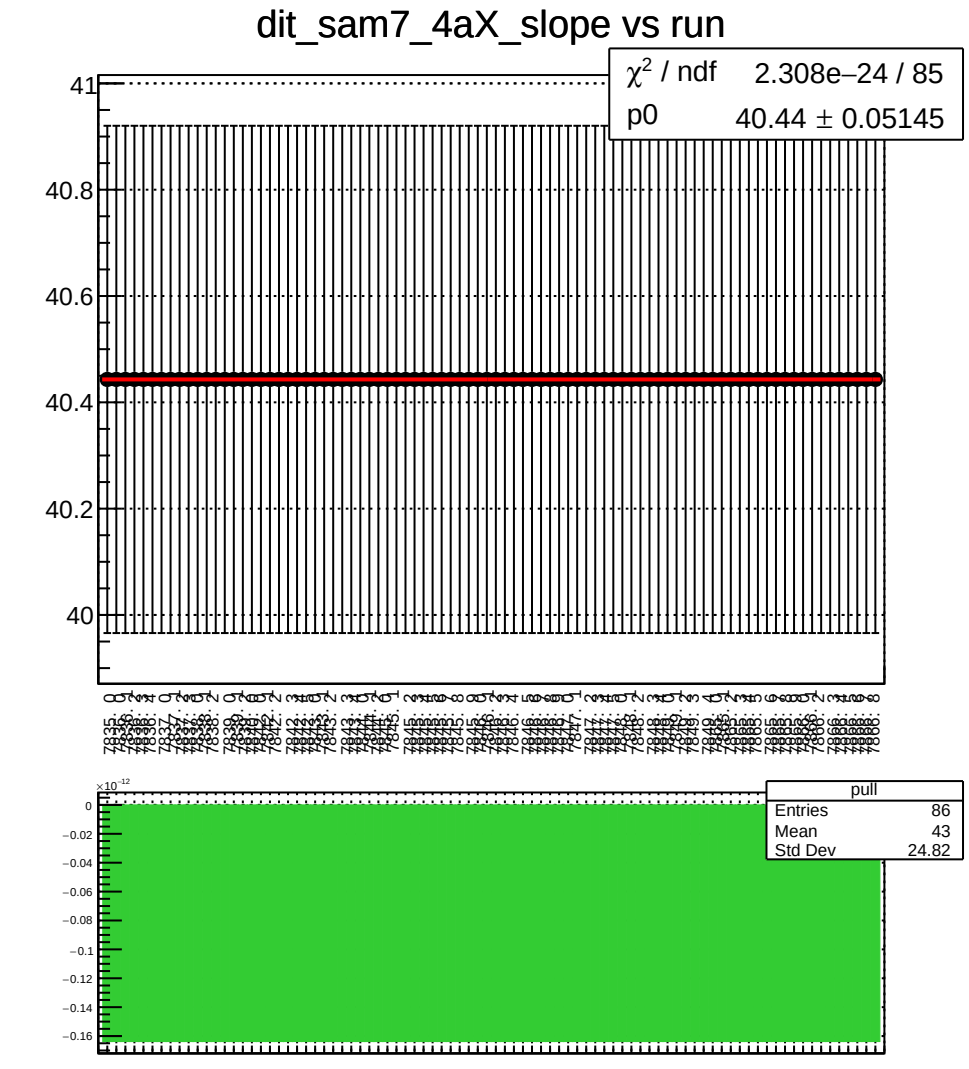

dit_sam6_4aX_slope vs run
χ^2 / ndf 0 / 85
p0 15.16 ± 0.1167
16
15.5
15
14.5
14
pull
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 86
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

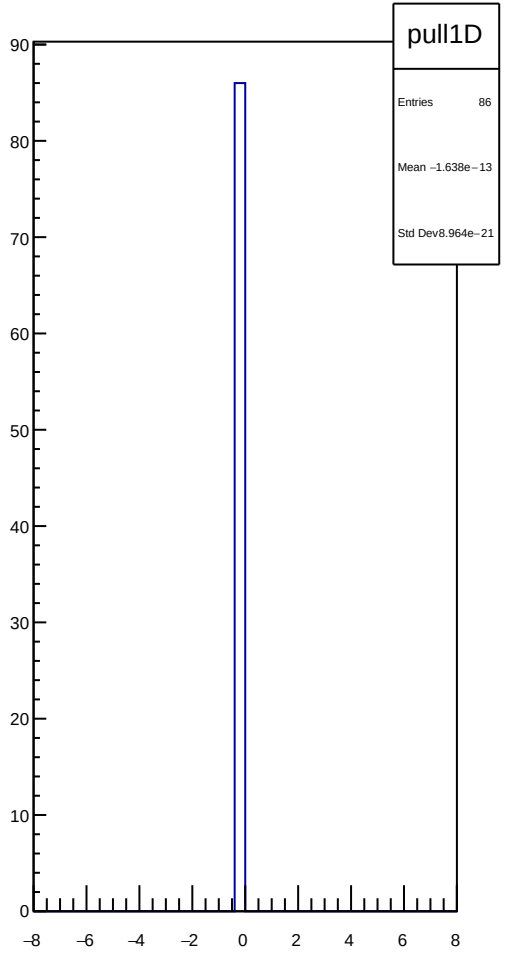

dit_sam6_4eX_slope vs run
χ² / ndf 2.697e−24 / 85
p0 50.86 ± 0.08654
51.8
51.6
51.4
51.2
51
50.8
50.6
50.4
50.2
50
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 86
Mean −1.771e−13
Std Dev1.222e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

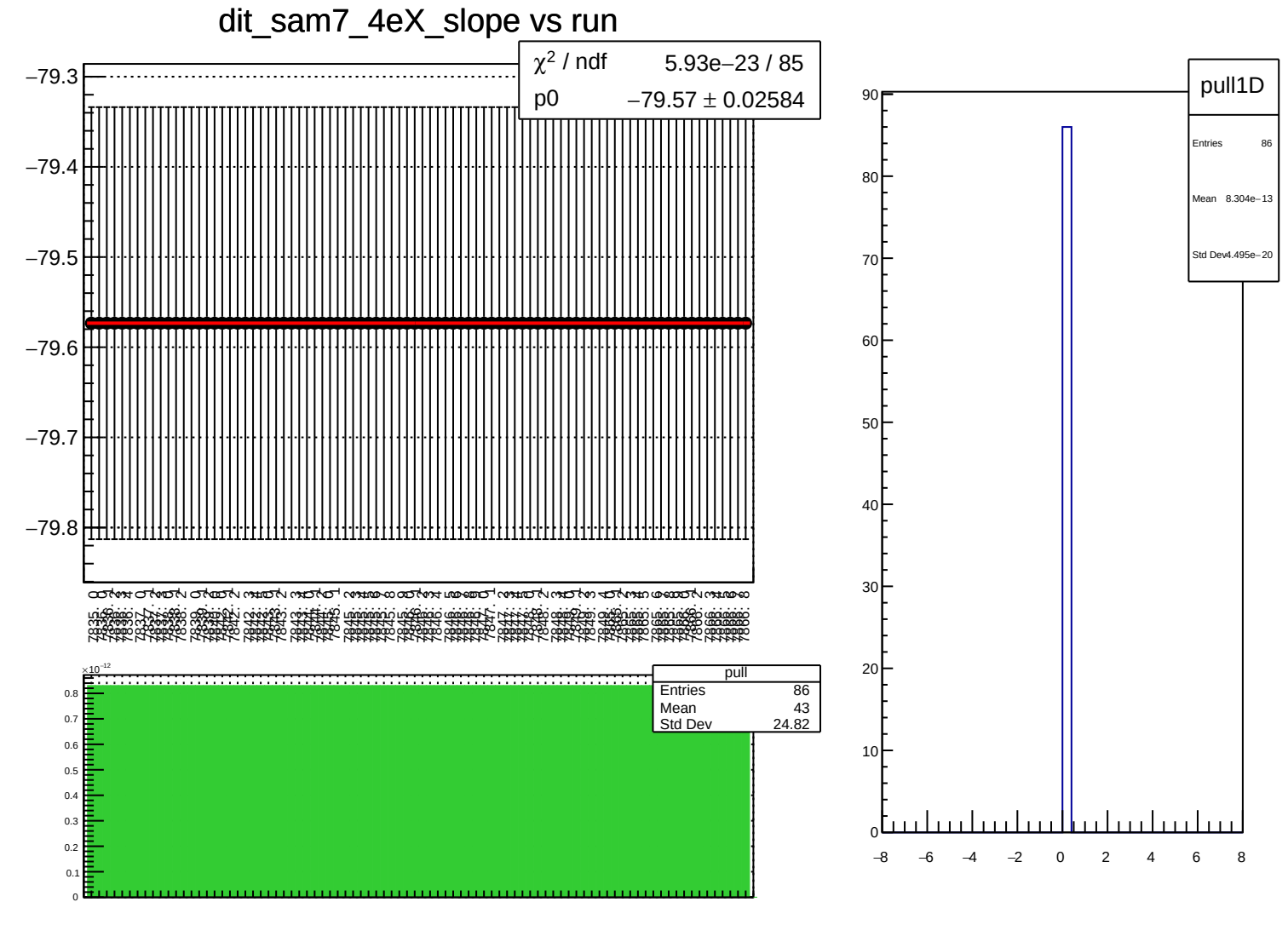

dit_sam6_11X12X_slope vs run
χ² / ndf 1.357e−27 / 85
p0 0.3571± 0.02411
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −3.972e−15
Std Dev2.368e−22

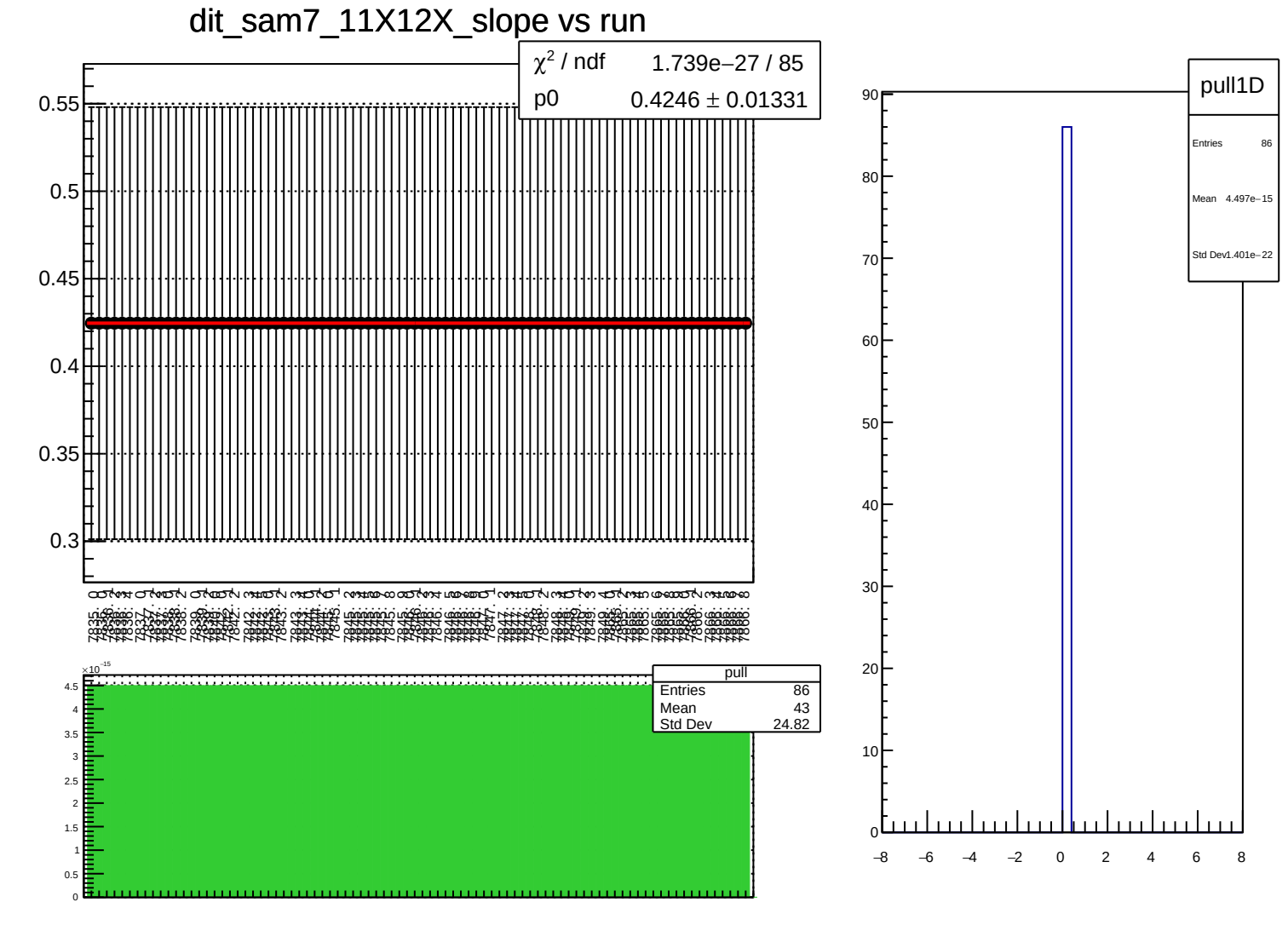

dit_sam6_4aY_slope vs run
χ² / ndf 1.152e−26 / 85
p0 16.95 ± 0.3641
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −1.157e−14
Std Dev 2.995e−22

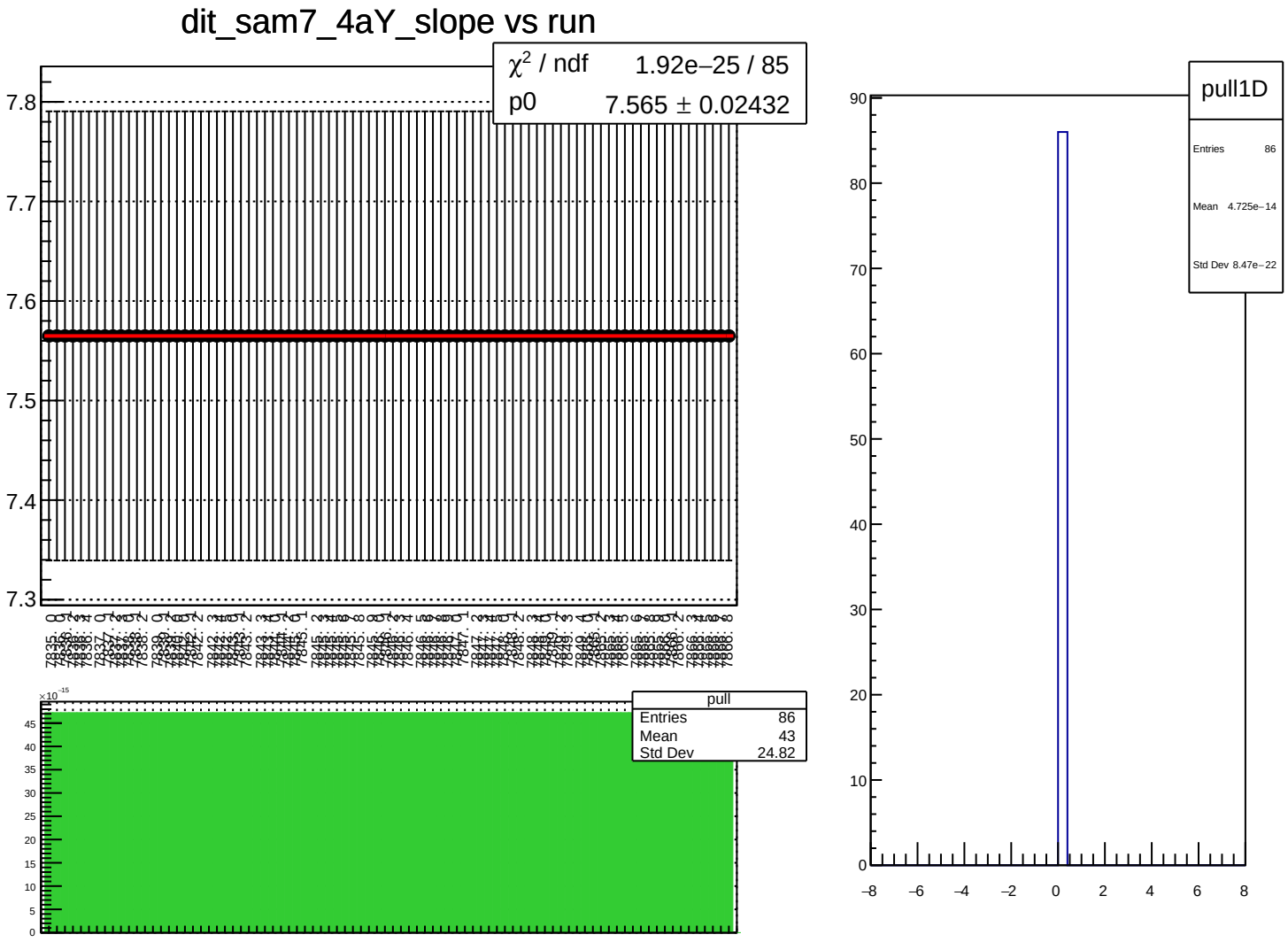

dit_sam6_4eY_slope vs run
χ² / ndf 2.097e−25 / 85
p0 101.9 ± 0.3103
105
104
103
102
101
100
99
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 86
Mean −4.938e−14
Std Dev3.281e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

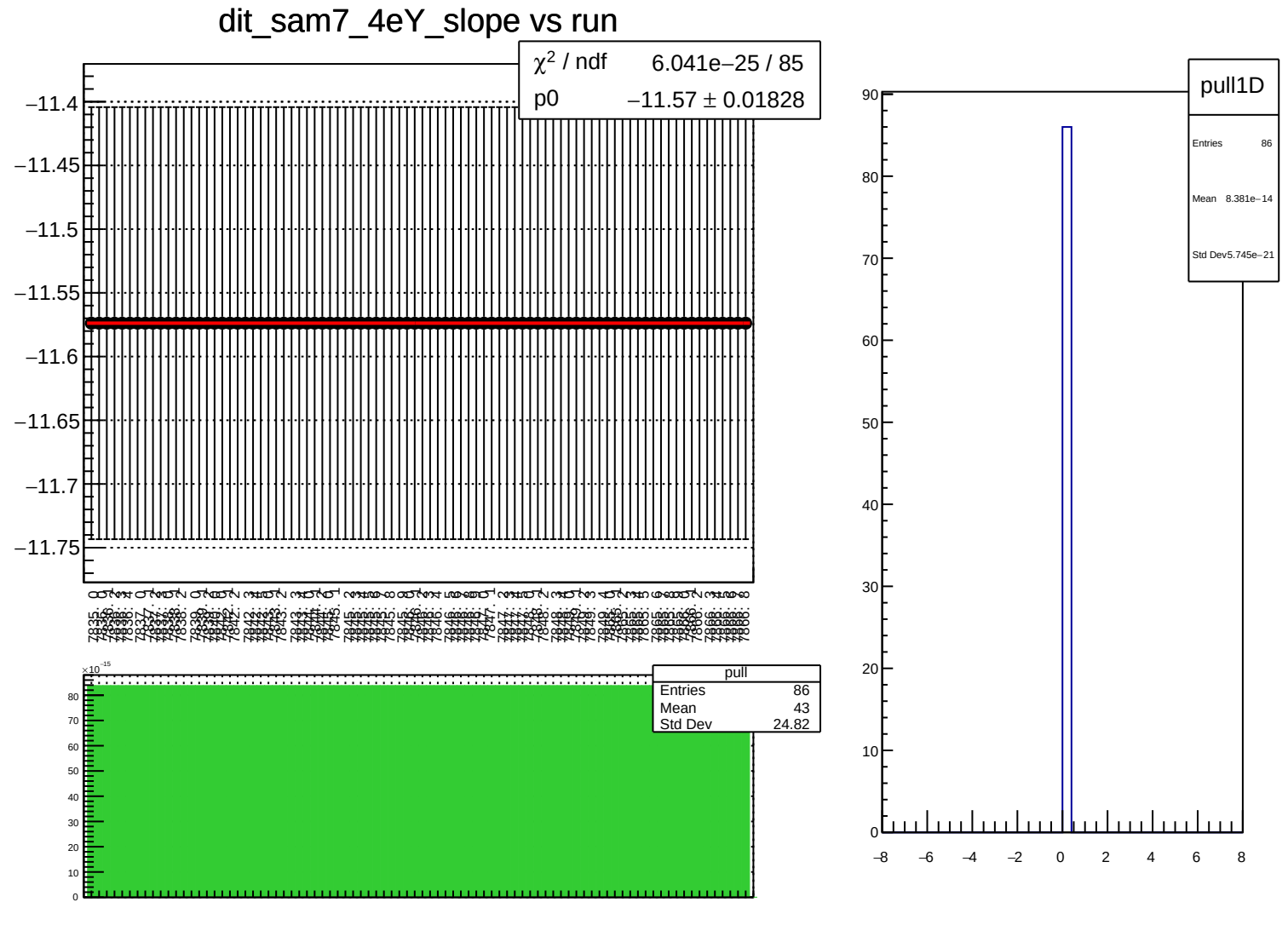

dit_sam7_4aX_slope vs run
χ² / ndf 2.308e−24 / 85
p0 40.44 ± 0.05145
41
40.8
40.6
40.4
40.2
40
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

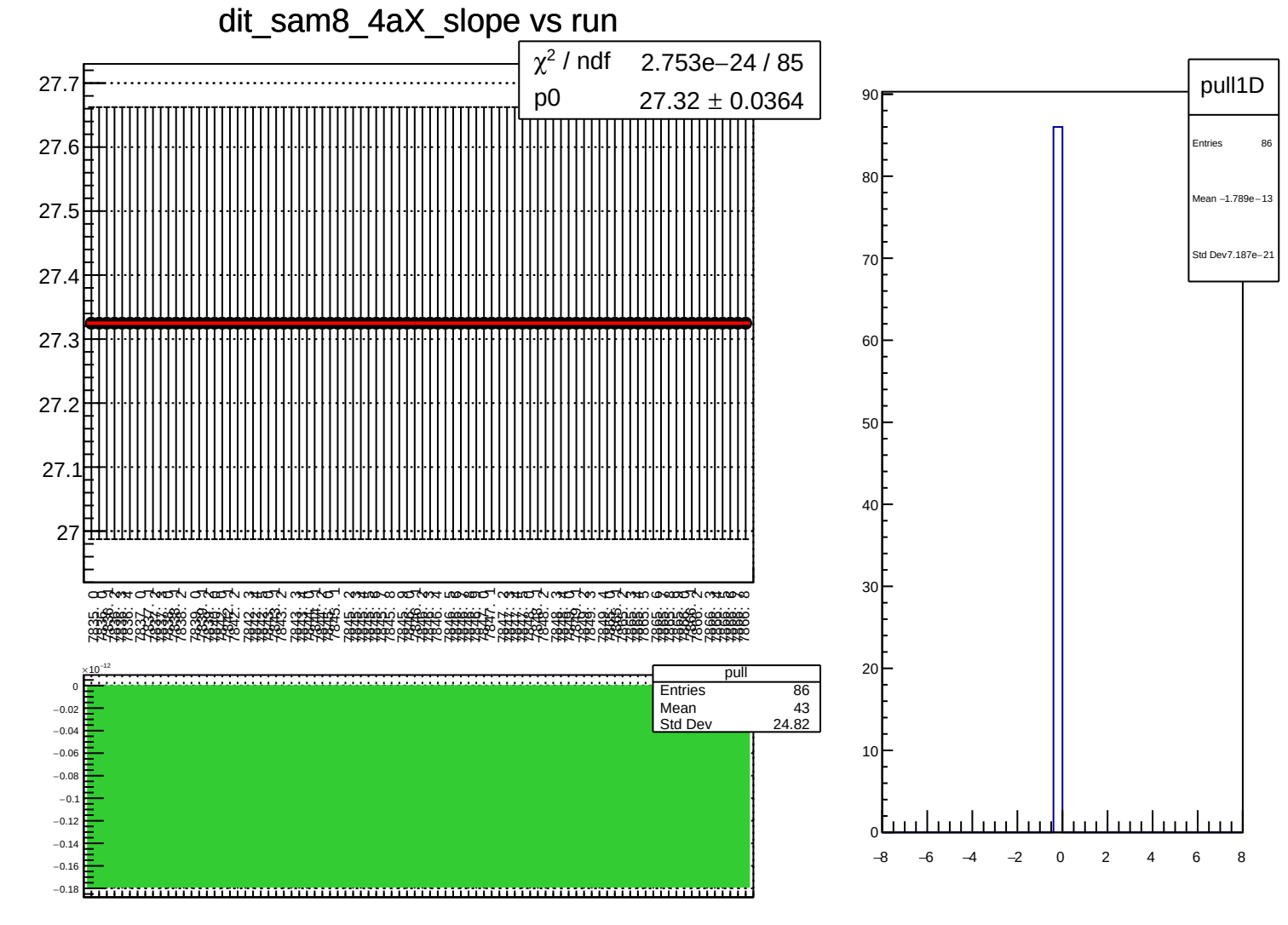

pull1D
Entries 86
Mean −1.638e−13
Std Dev8.964e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

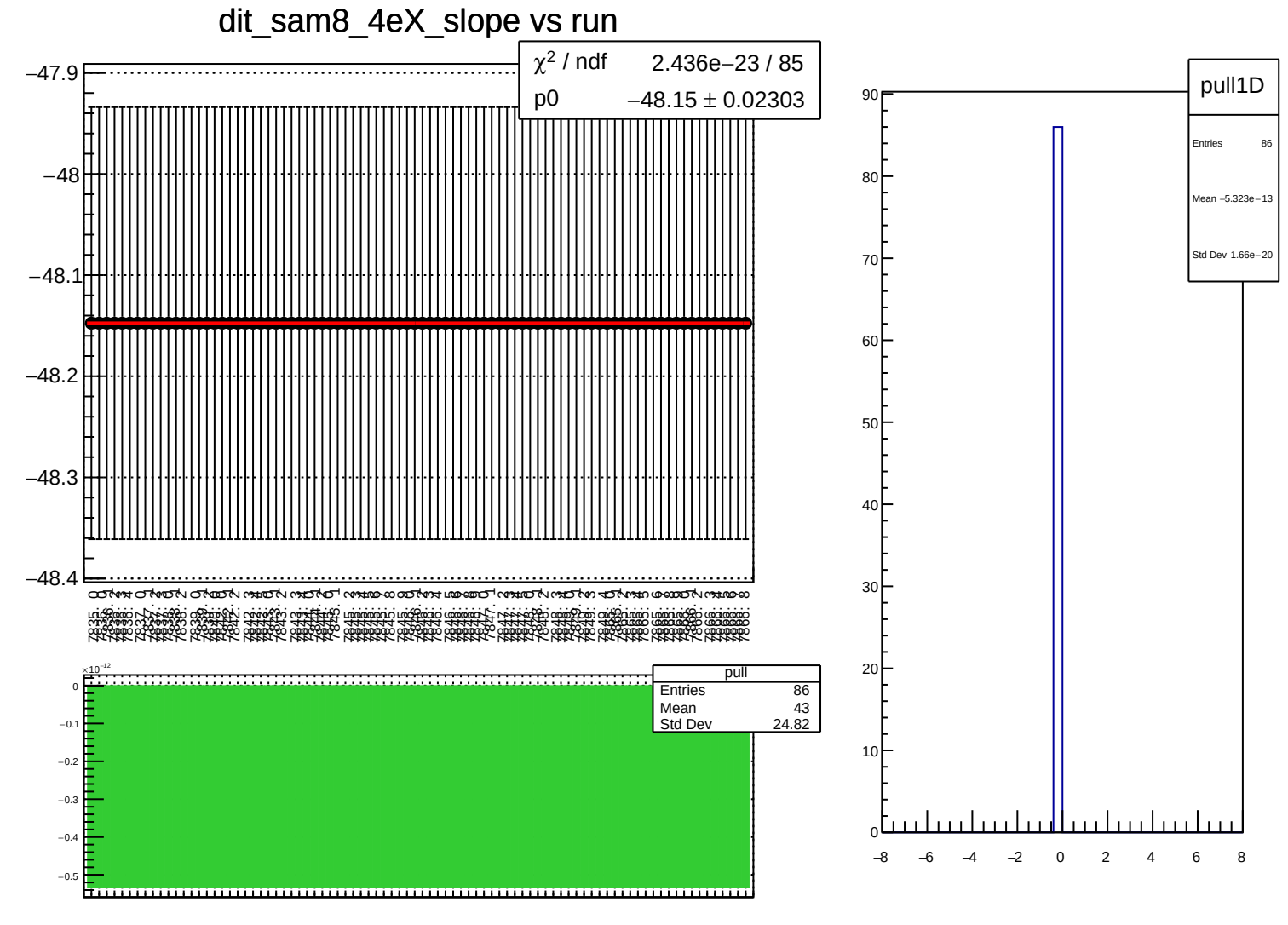

dit_sam7_4eX_slope vs run
χ² / ndf 5.93e−23 / 85
p0 −79.57 ± 0.02584
−79.3
−79.4
−79.5
−79.6
−79.7
−79.8
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 8.304e−13
Std Dev 4.495e−20

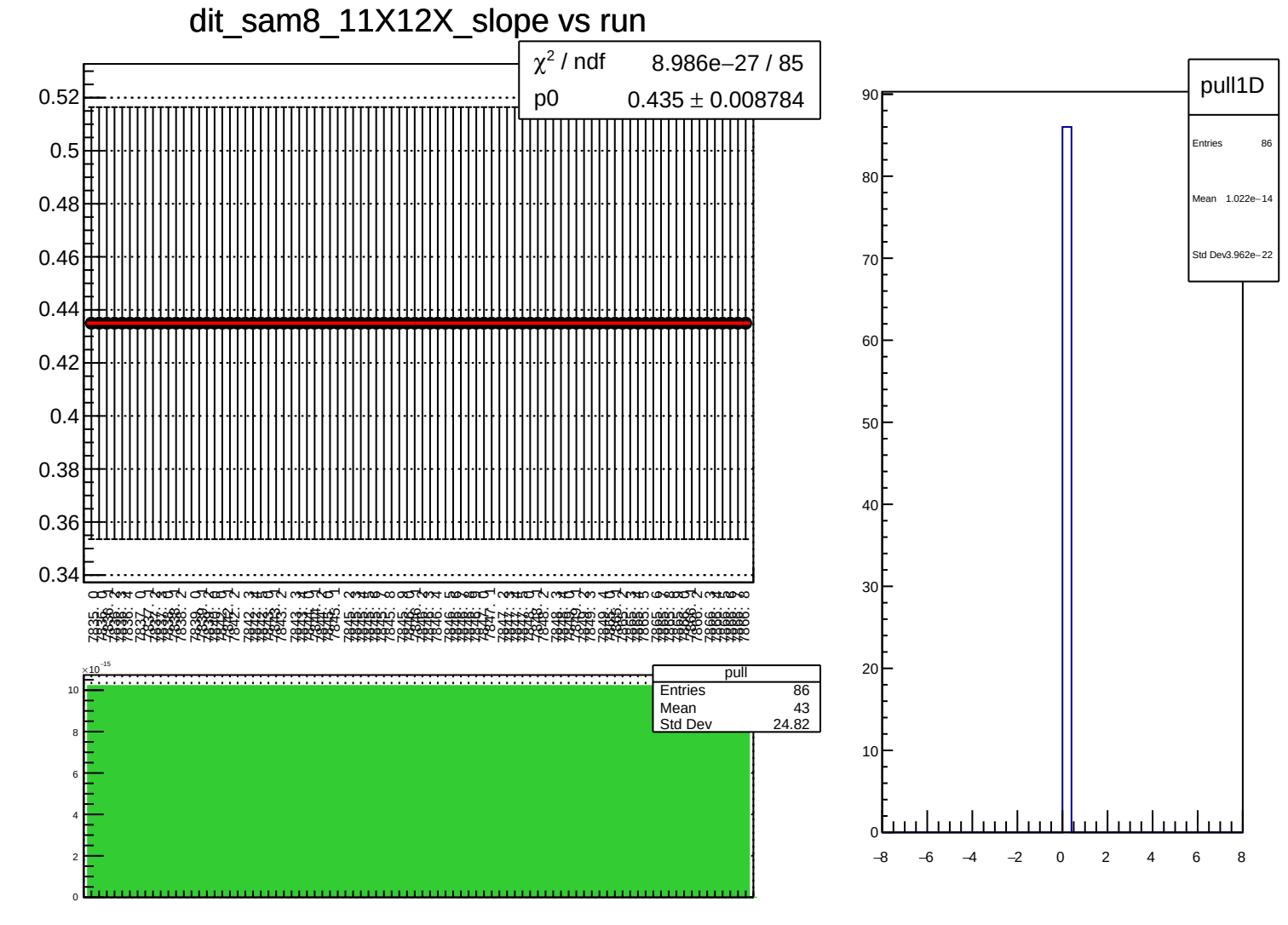

dit_sam7_11X12X_slope vs run
χ² / ndf 1.739e−27 / 85
p0 0.4246 ± 0.01331
0.55
0.5
0.45
0.4
0.35
0.3
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 86
Mean 4.497e−15
Std Dev1.401e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

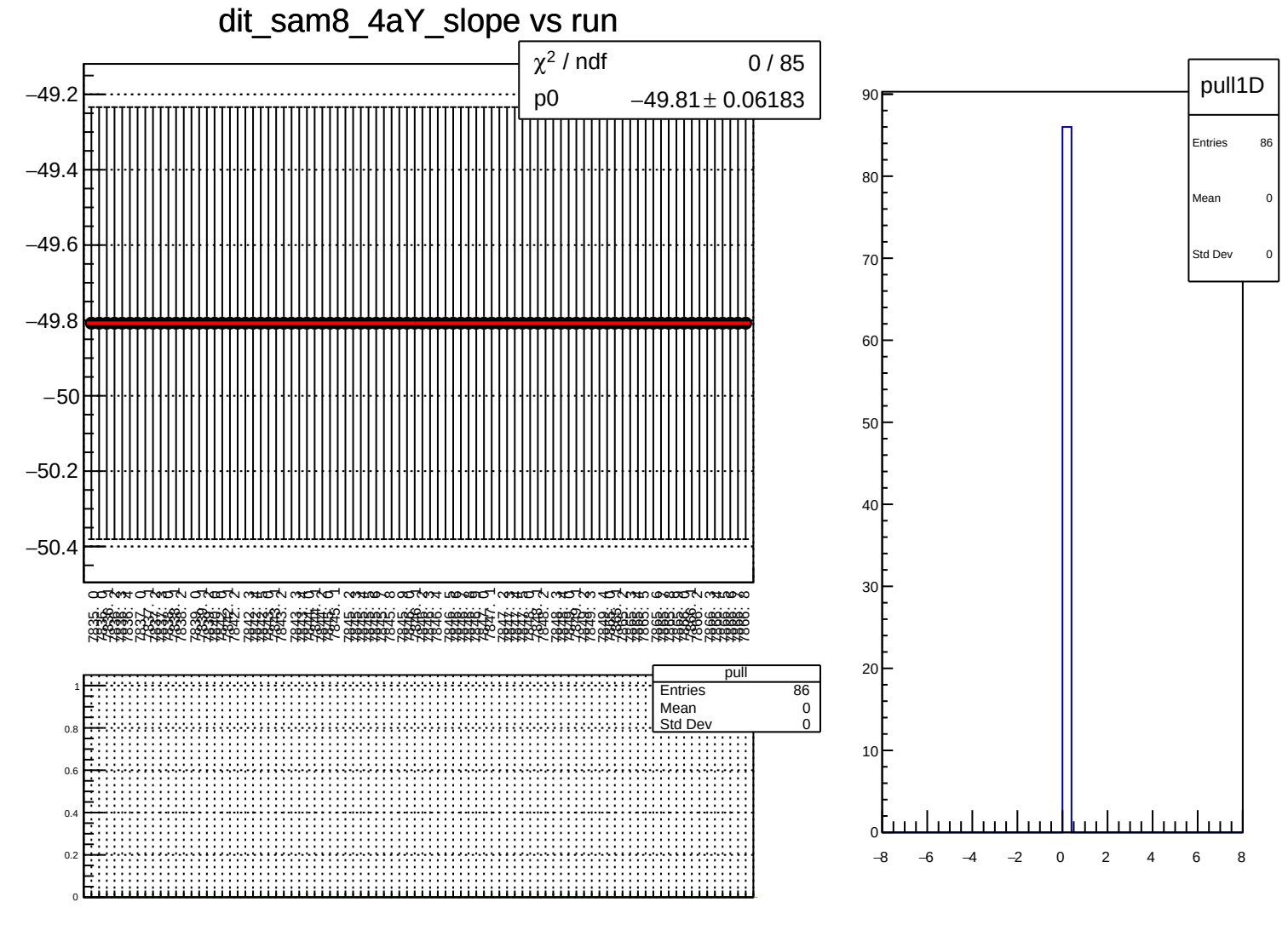

dit_sam7_4aY_slope vs run
χ² / ndf 1.92e−25 / 85
p0 7.565 ± 0.02432
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 4.725e−14
Std Dev 8.47e−22

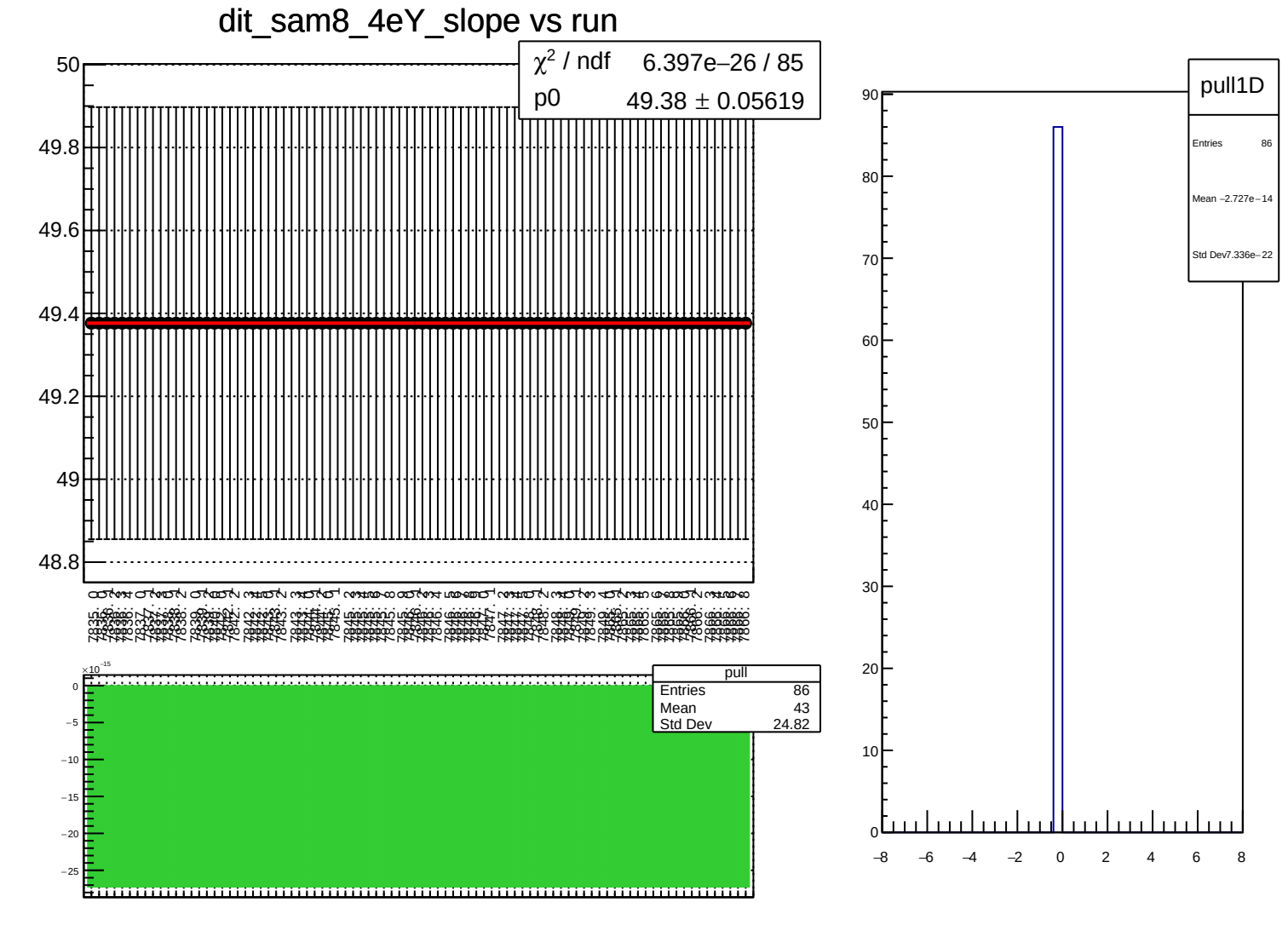

dit_sam7_4eY_slope vs run
χ² / ndf 6.041e−25 / 85
p0 −11.57 ± 0.01828
−11.4
−11.45
−11.5
−11.55
−11.6
−11.65
−11.7
−11.75
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
pull1D
Entries 86
Mean 8.381e−14
Std Dev5.745e−21

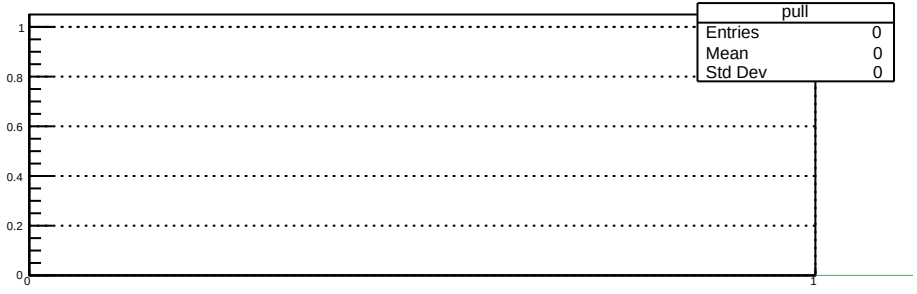

dit_sam8_4aX_slope vs run
χ^2 / ndf 2.753e−24 / 85
p0 27.32 ± 0.0364
27.7
27.6
27.5
27.4
27.3
27.2
27.1
27
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18
pull1D
Entries 86
Mean −1.789e−13
Std Dev7.187e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

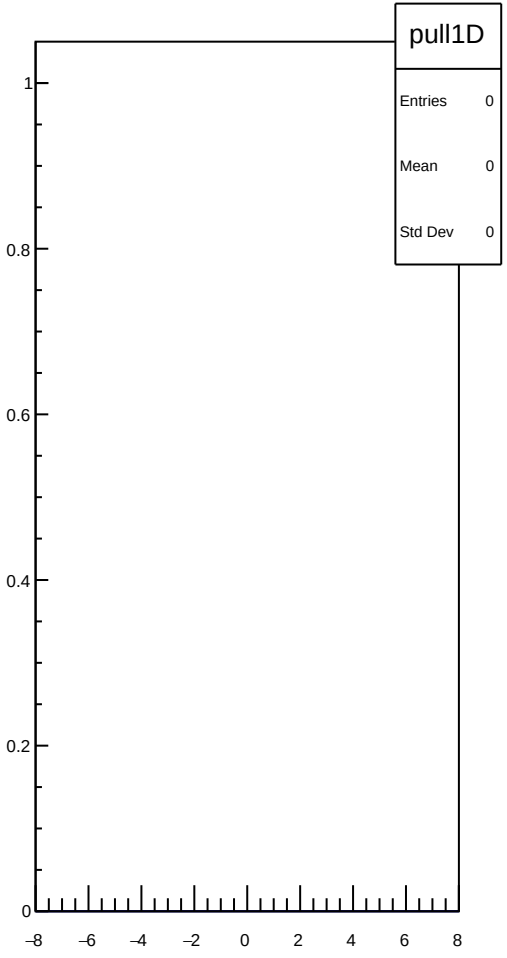

dit_sam8_4eX_slope vs run
χ² / ndf 2.436e−23 / 85
p0 −48.15 ± 0.02303
−47.9
−48
−48.1
−48.2
−48.3
−48.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 86
Mean −5.323e−13
Std Dev 1.66e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

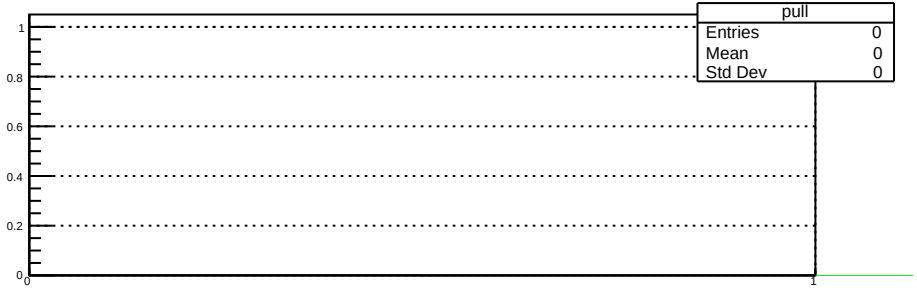

dit_sam8_11X12X_slope vs run
χ² / ndf 8.986e−27 / 85
p0 0.435 ± 0.008784
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.022e−14
Std Dev 3.962e−22

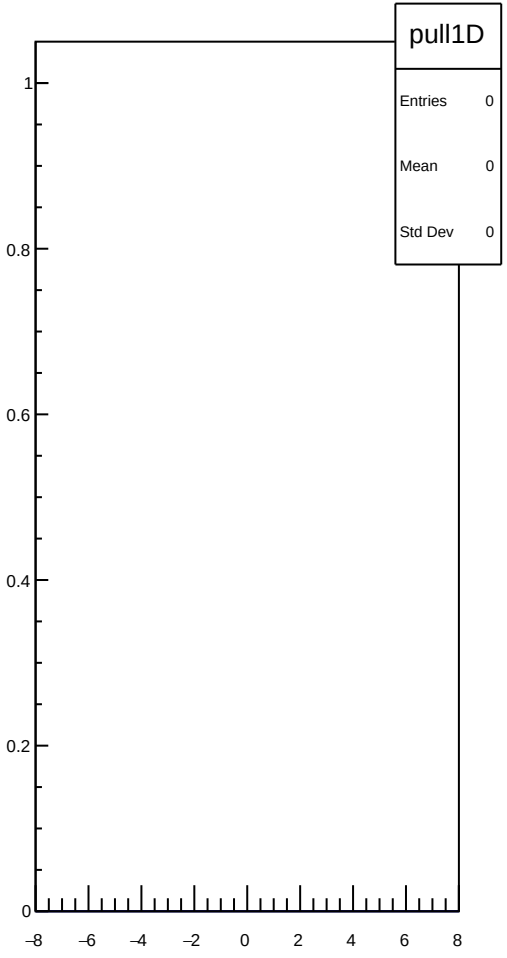

dit_sam8_4aY_slope vs run
χ² / ndf 0 / 85
p0 −49.81 ± 0.06183
−49.2
−49.4
−49.6
−49.8
−50
−50.2
−50.4
pull
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 86
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

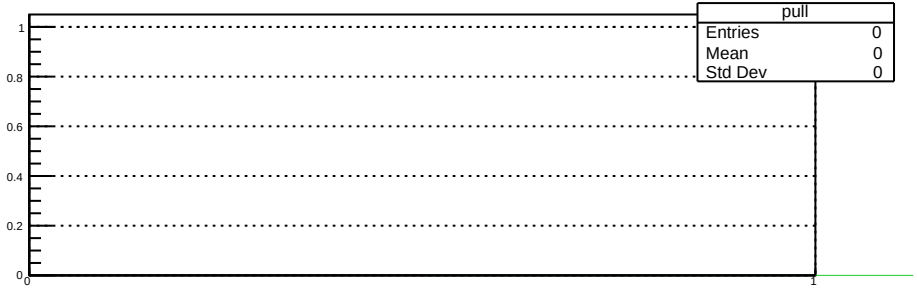

dit_sam8_4eY_slope vs run
χ² / ndf 6.397e−26 / 85
p0 49.38 ± 0.05619
50
49.8
49.6
49.4
49.2
49
48.8
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 86
Mean −2.727e−14
Std Dev7.336e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

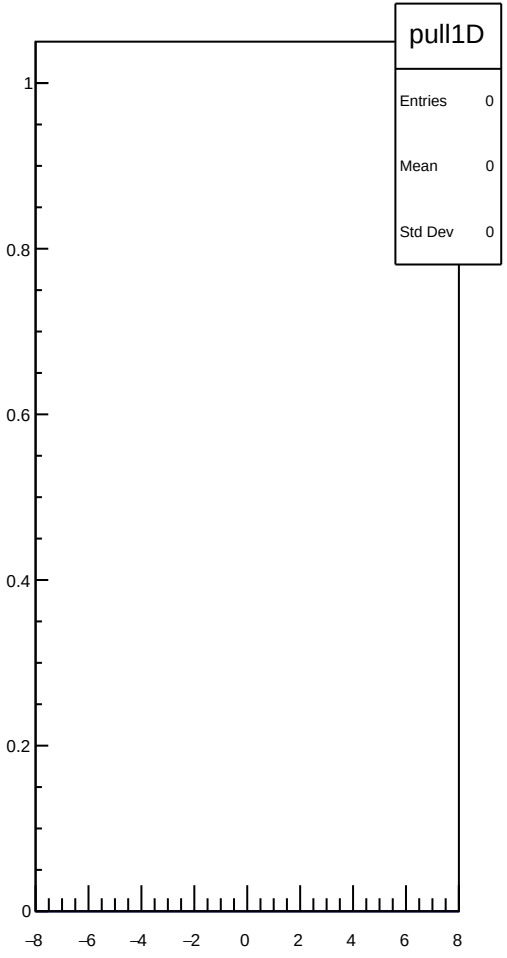

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

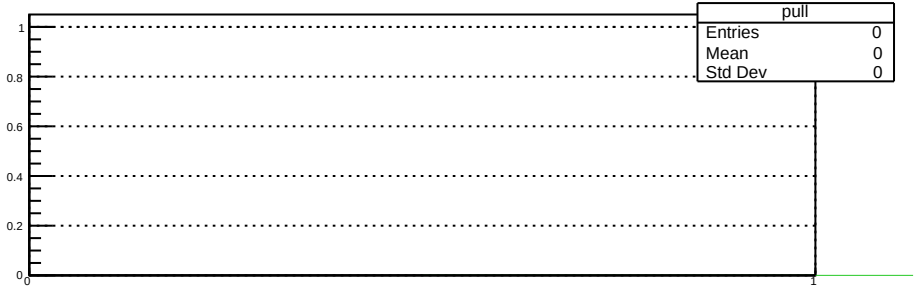

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8


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


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


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


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


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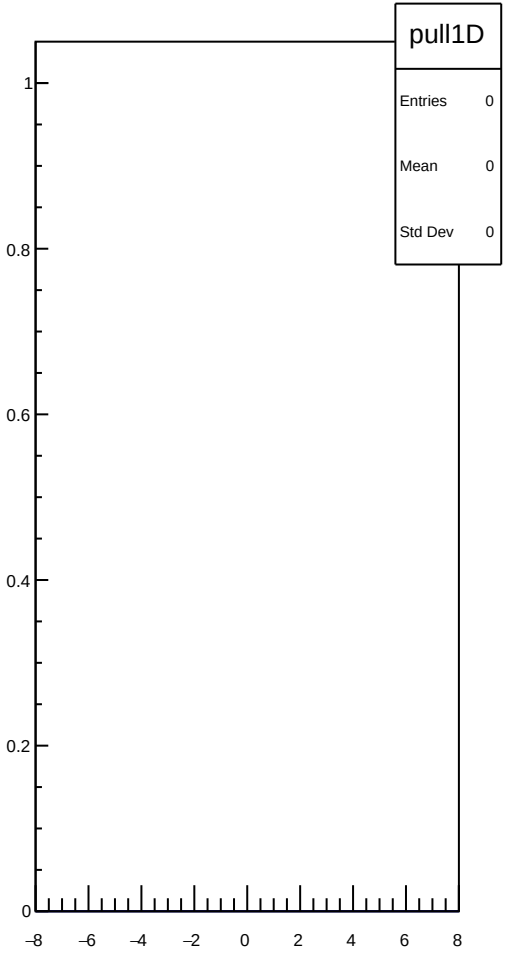
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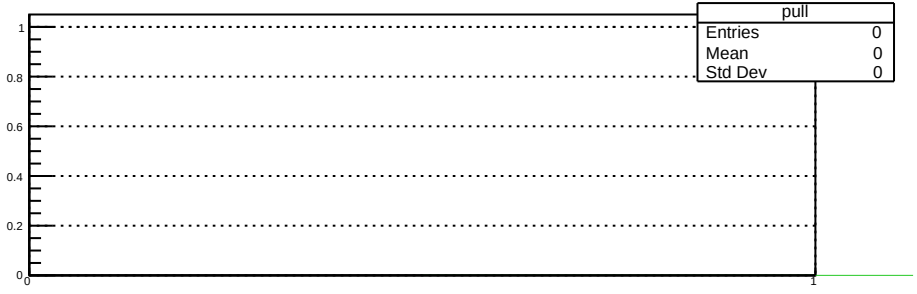
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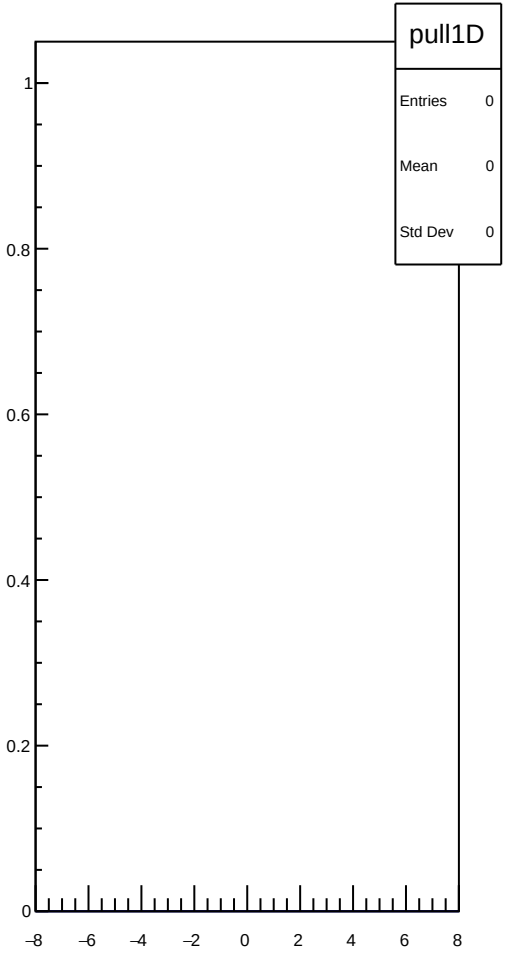
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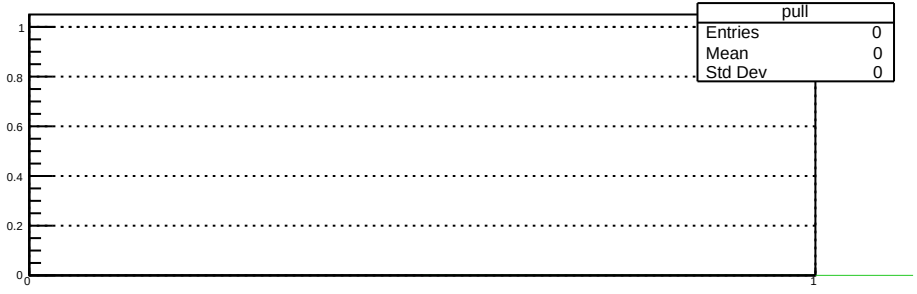
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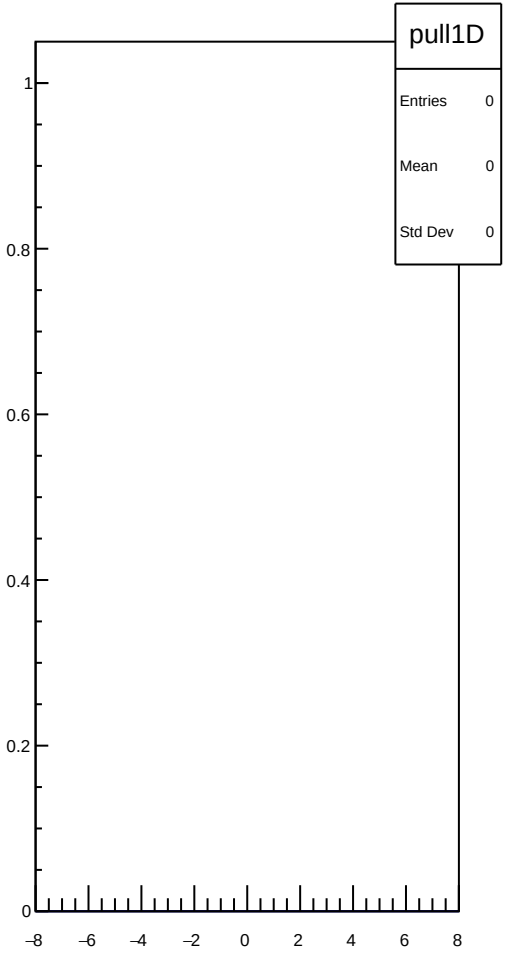
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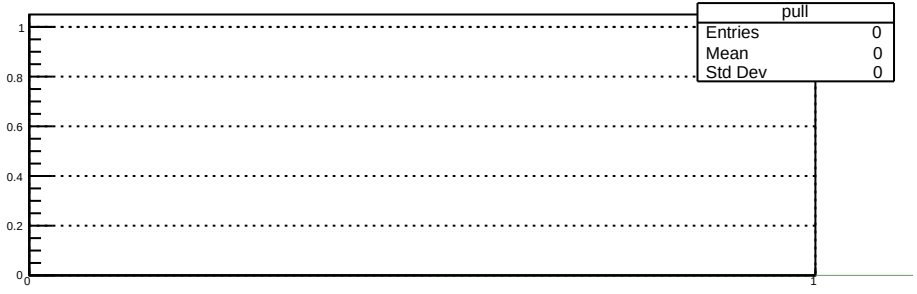
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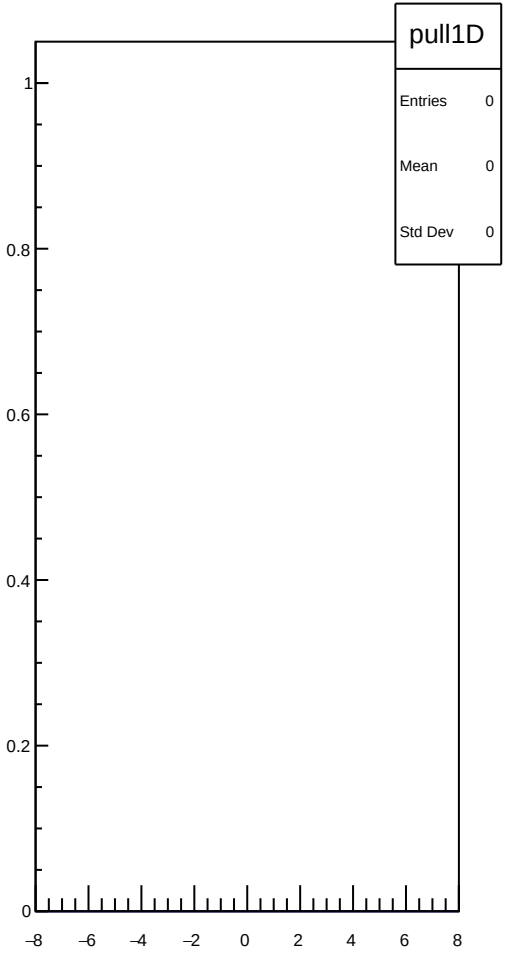
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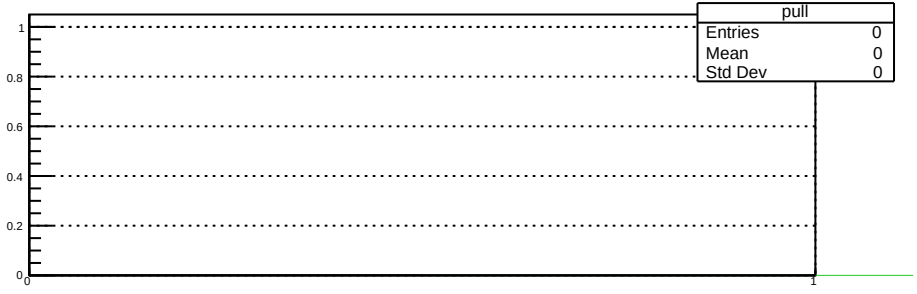
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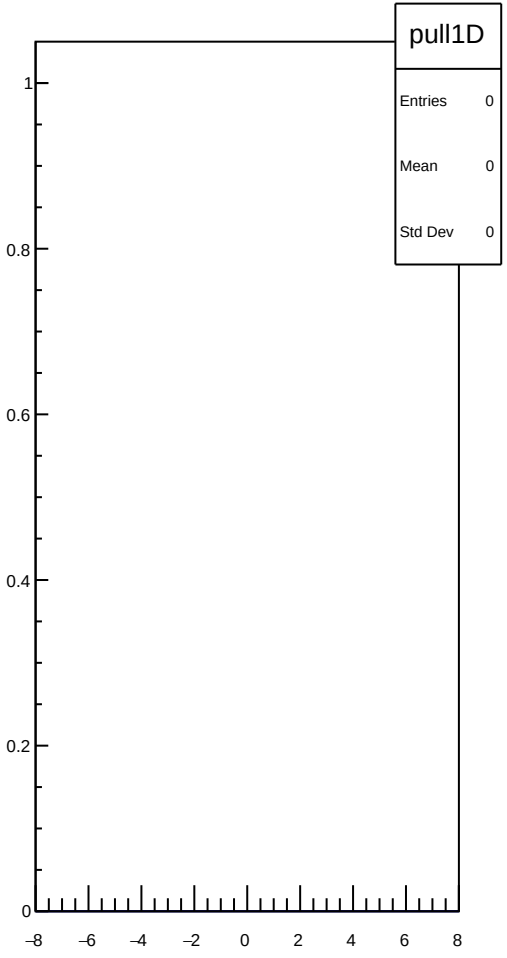
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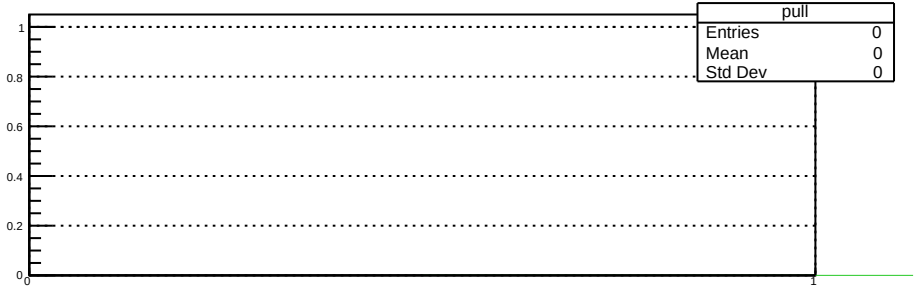
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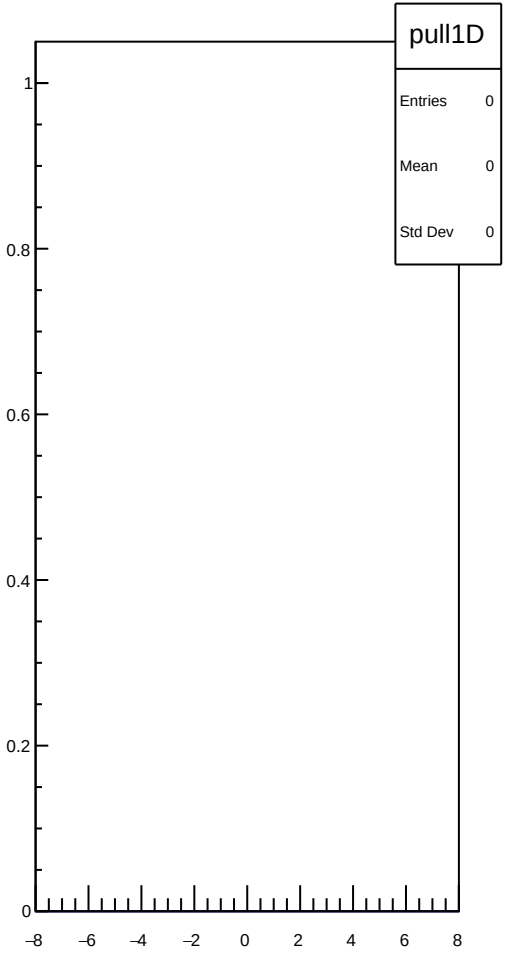
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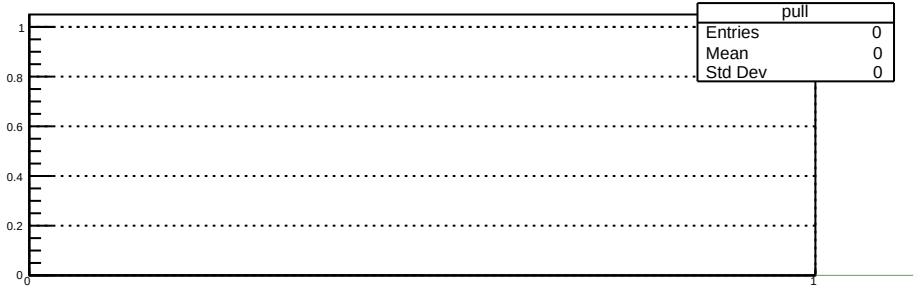
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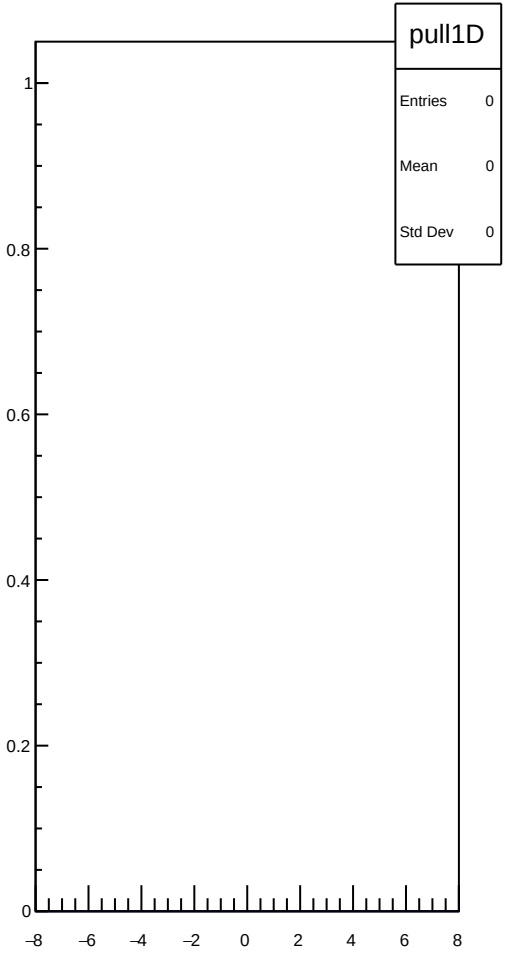
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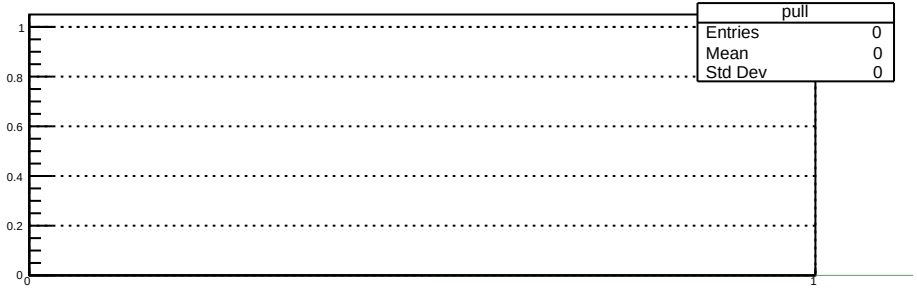
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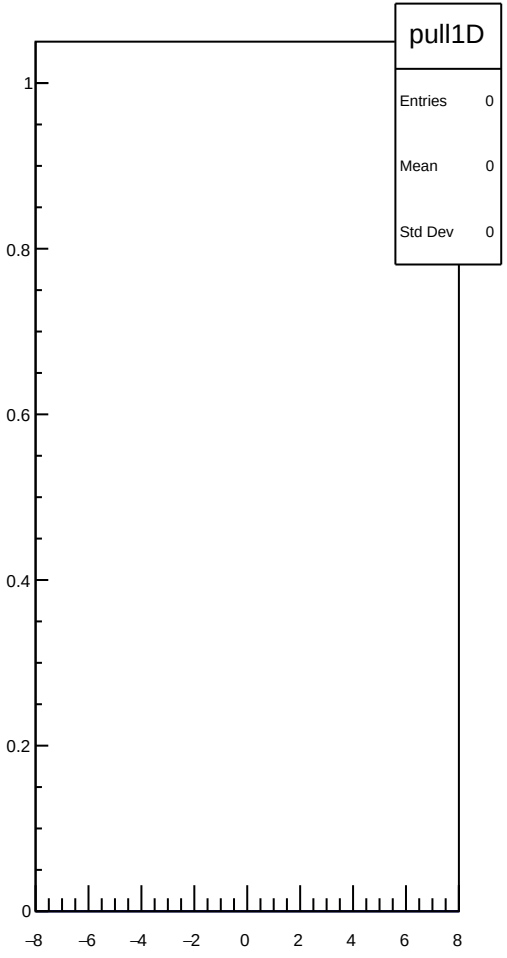
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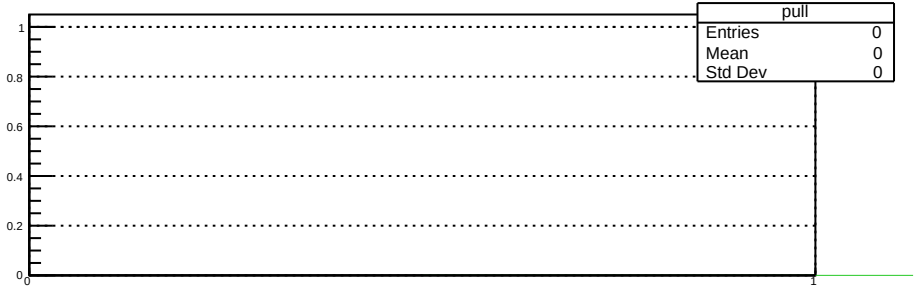
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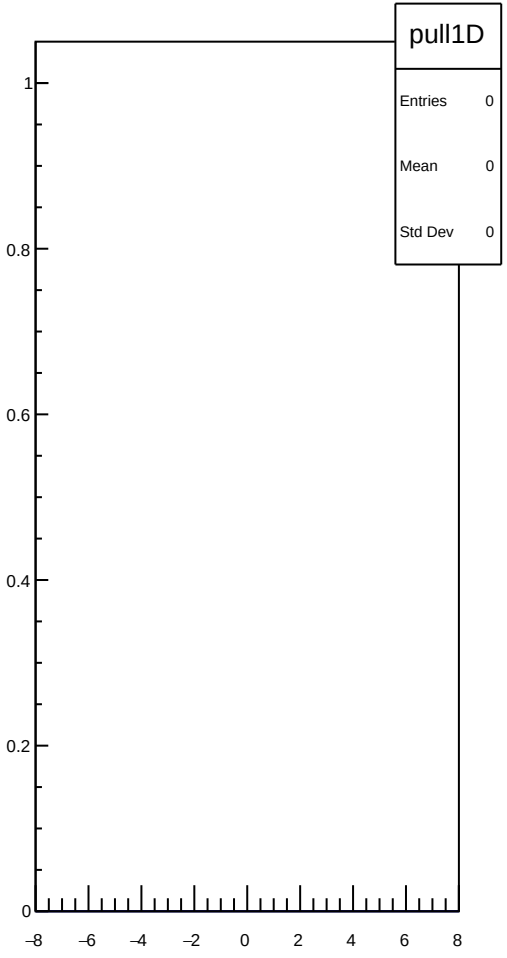
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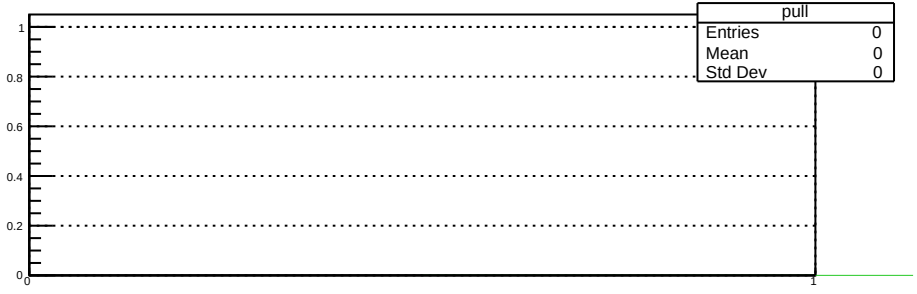
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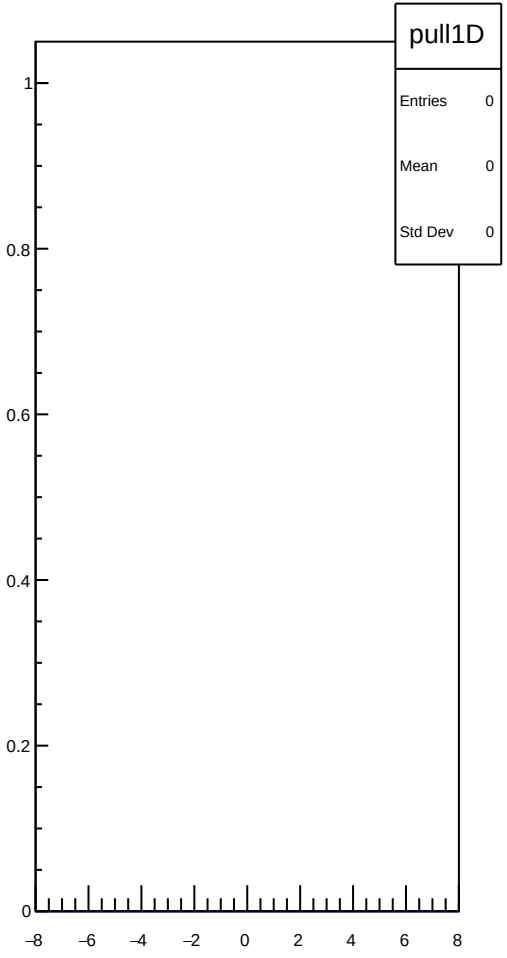
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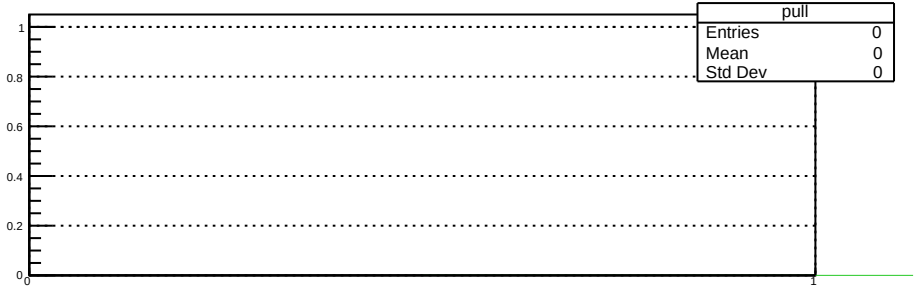
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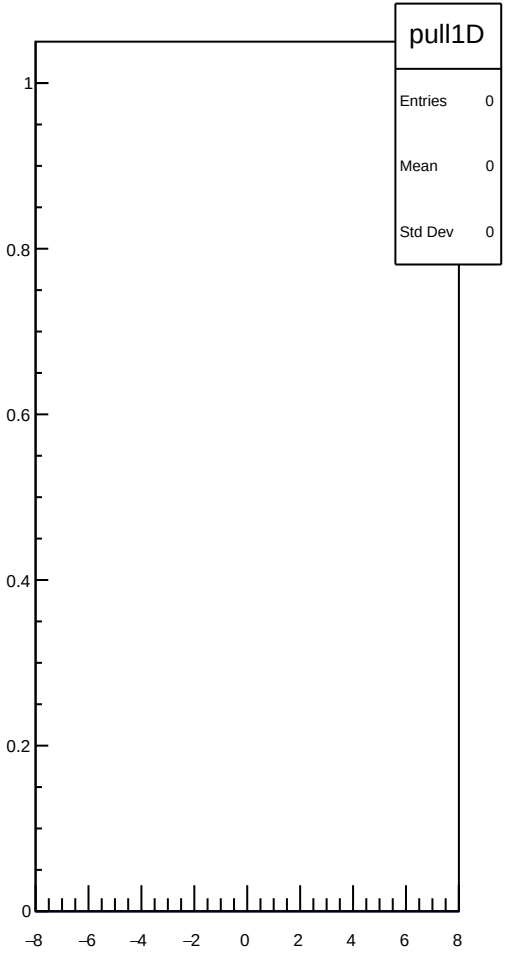
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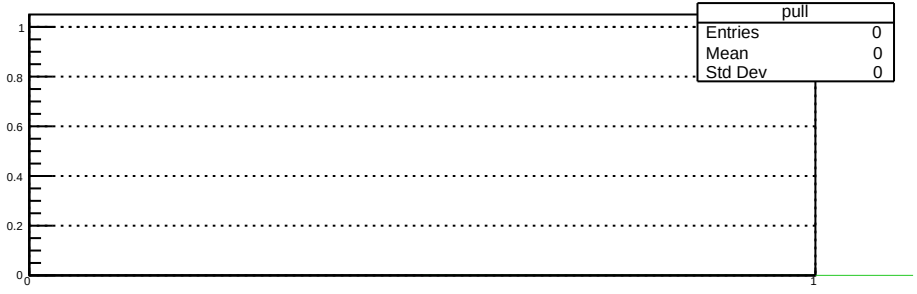
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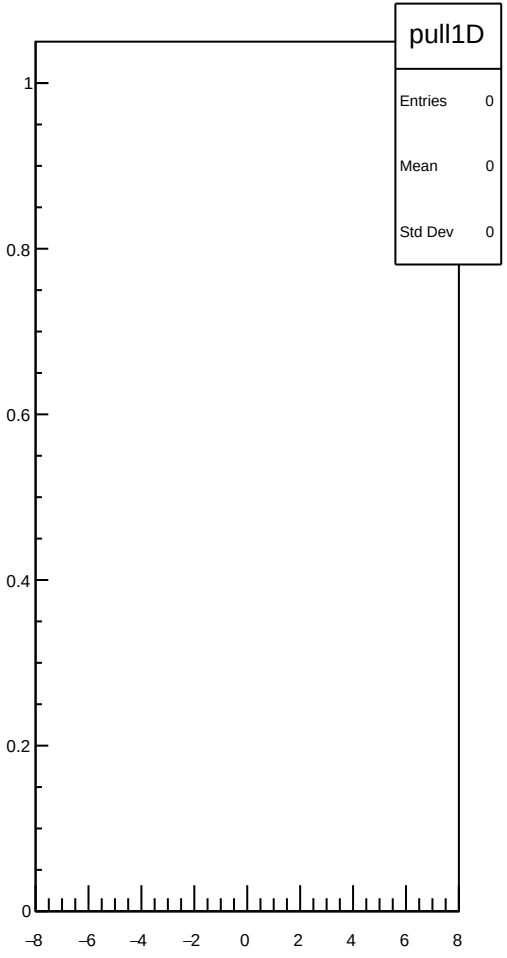
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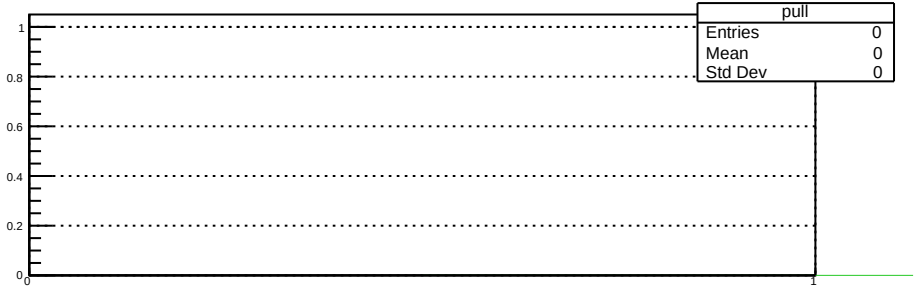
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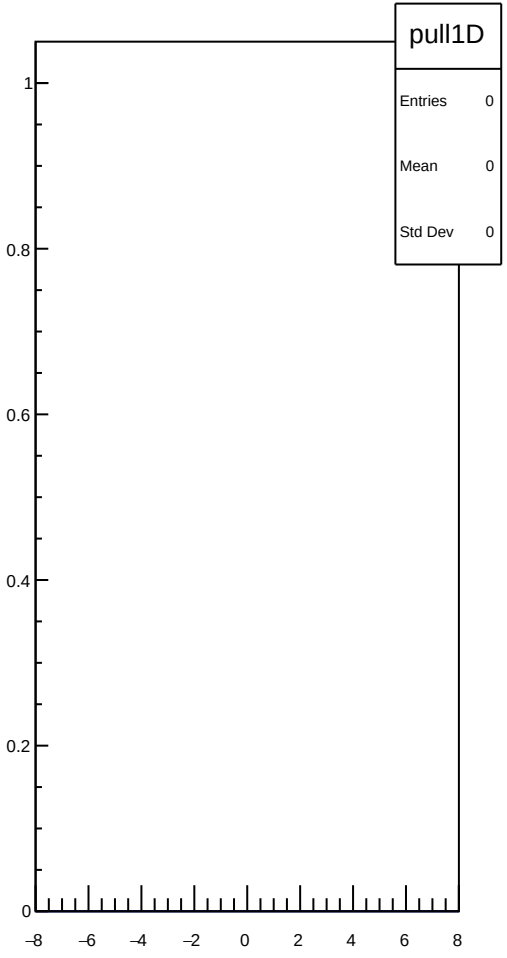
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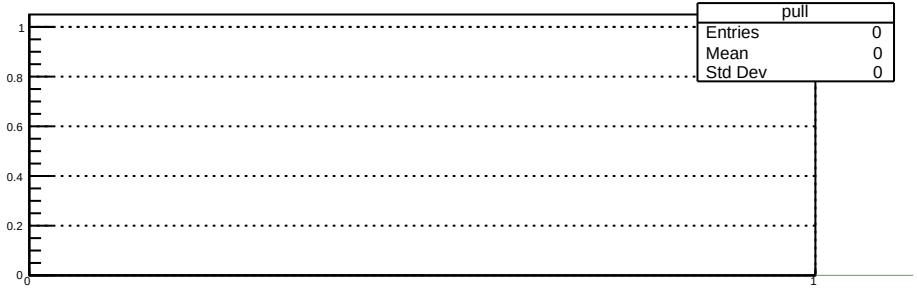
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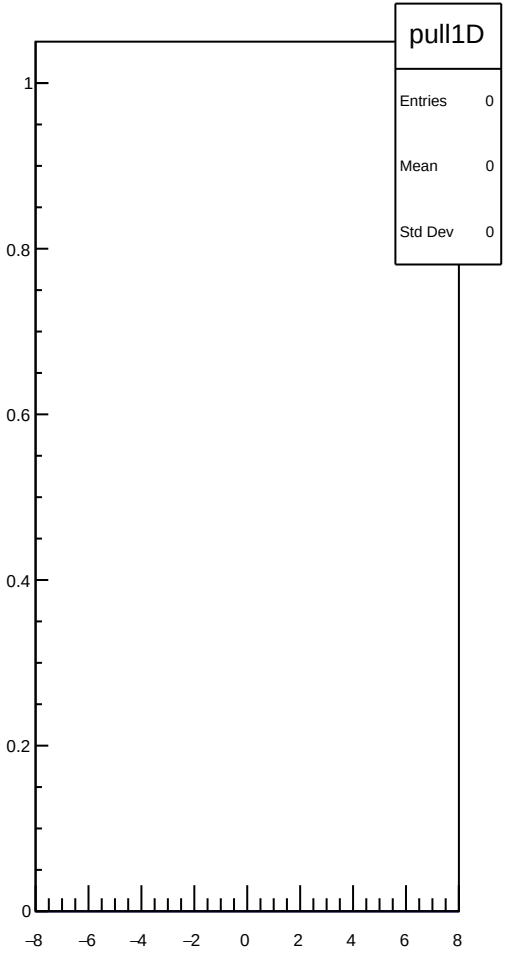
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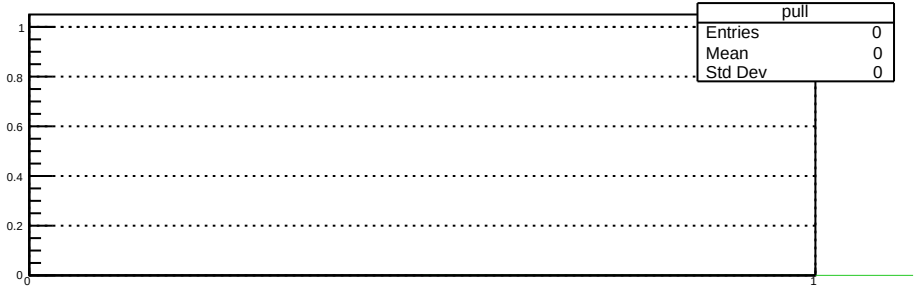
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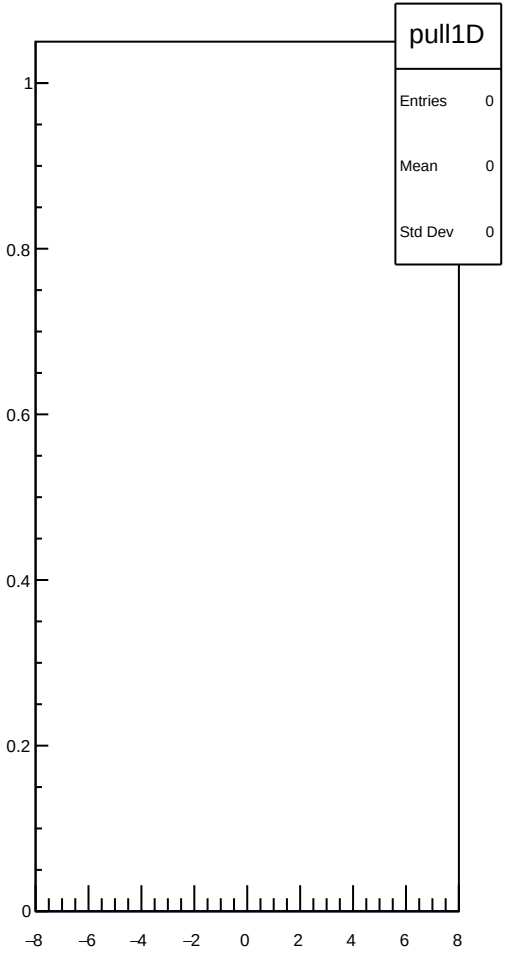
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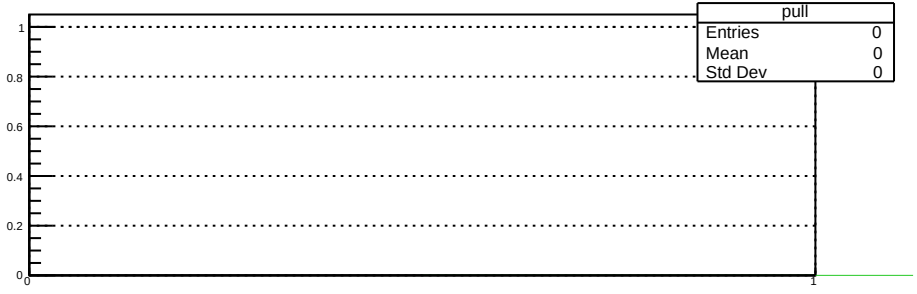
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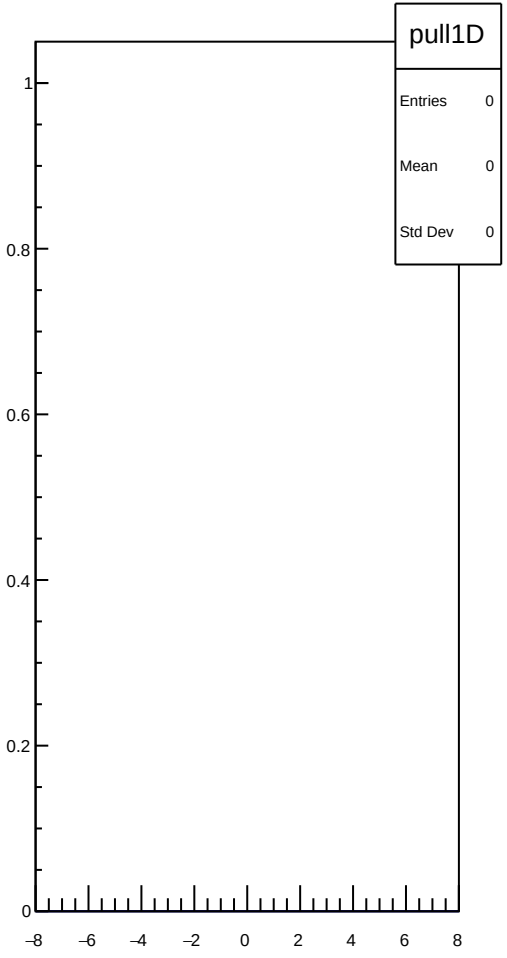
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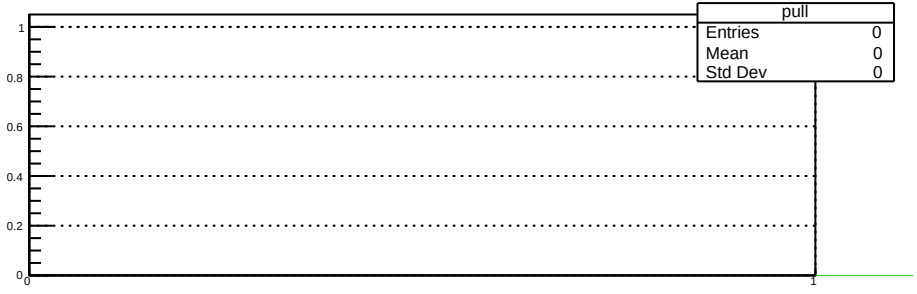
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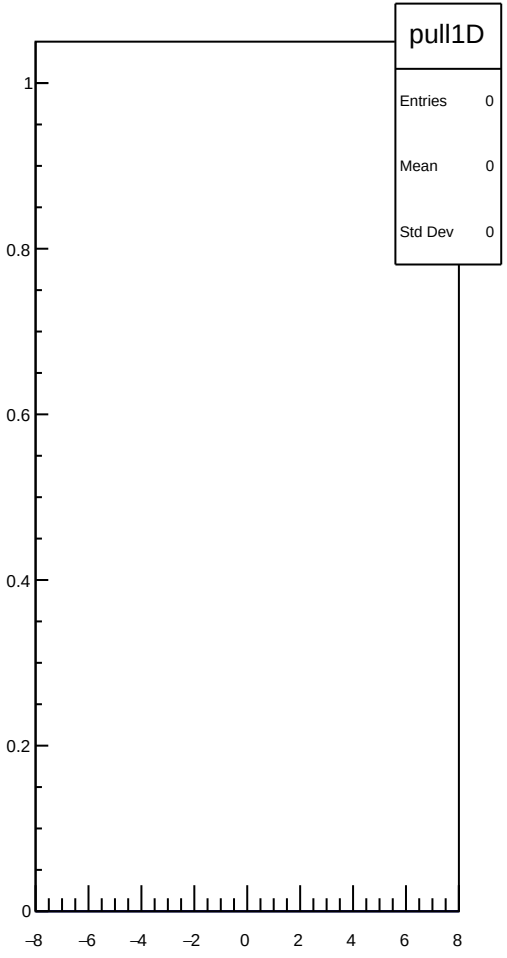
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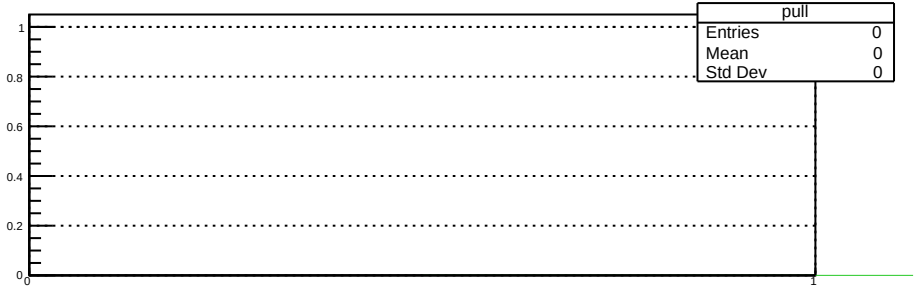
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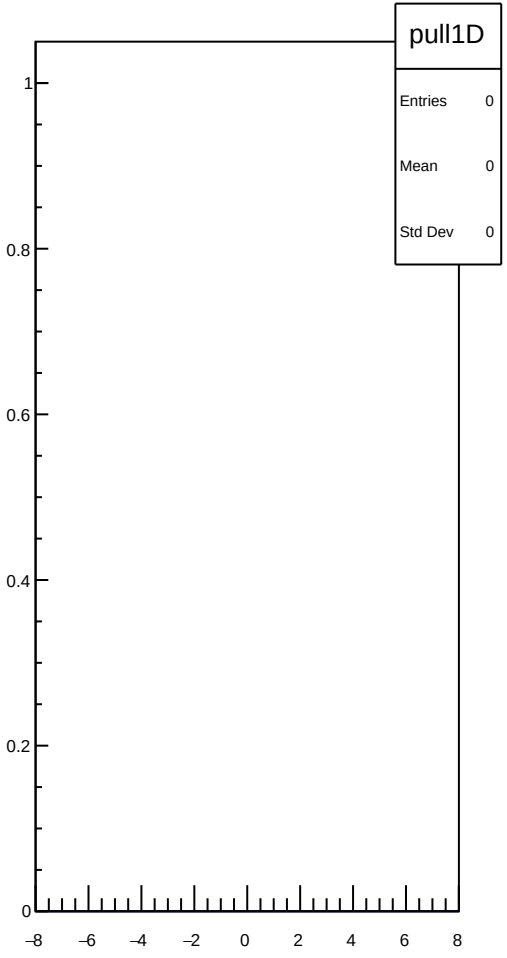
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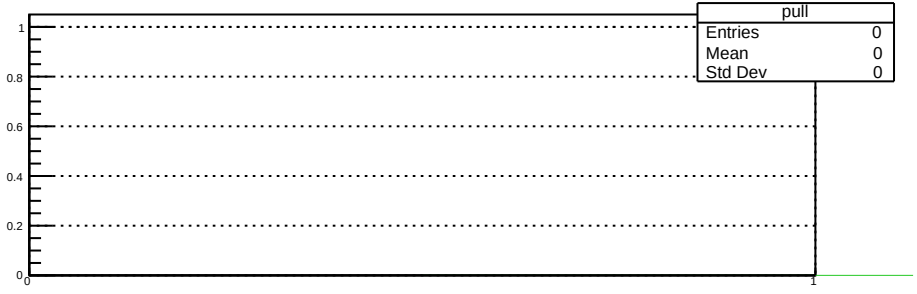
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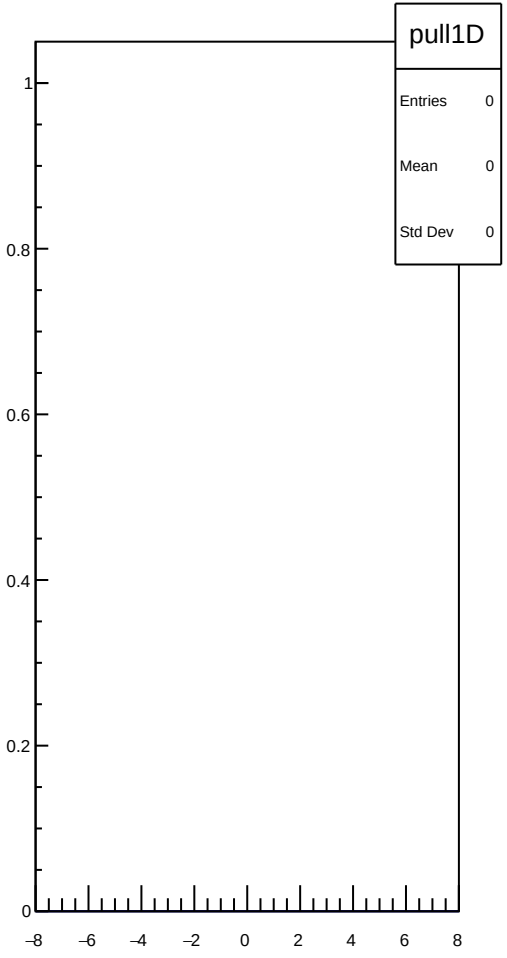
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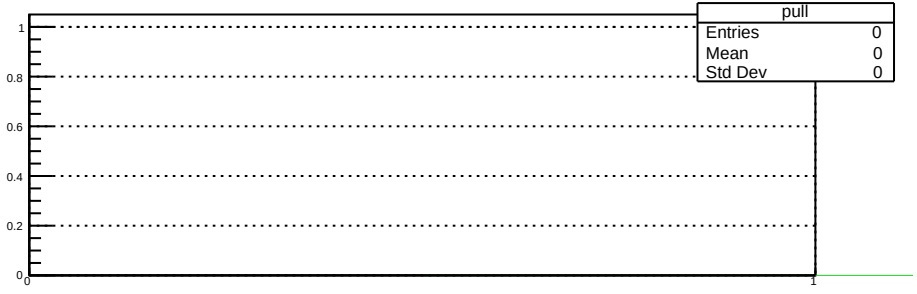
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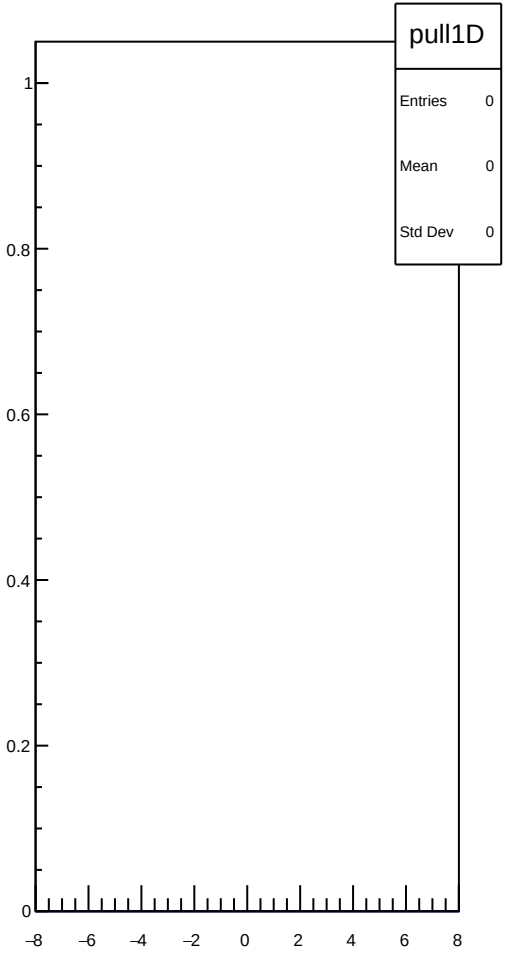
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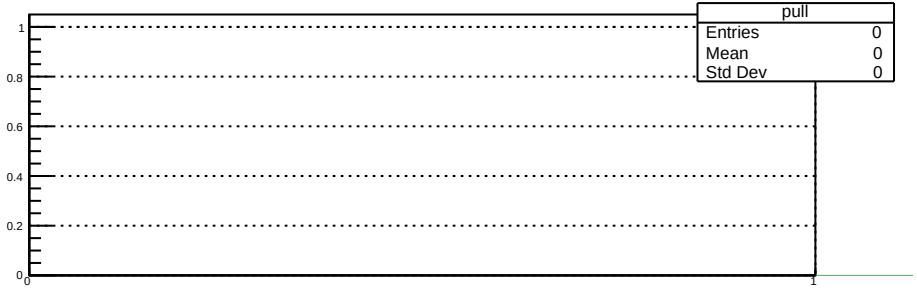
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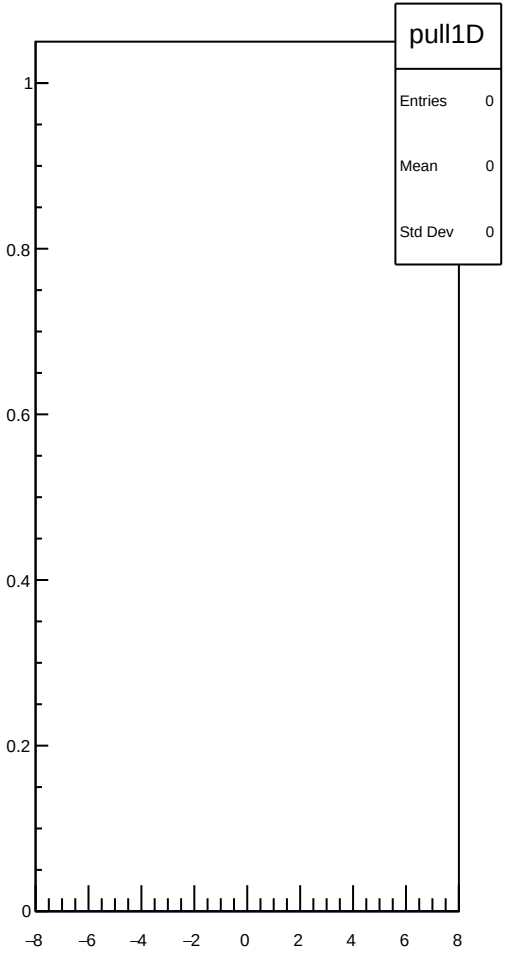
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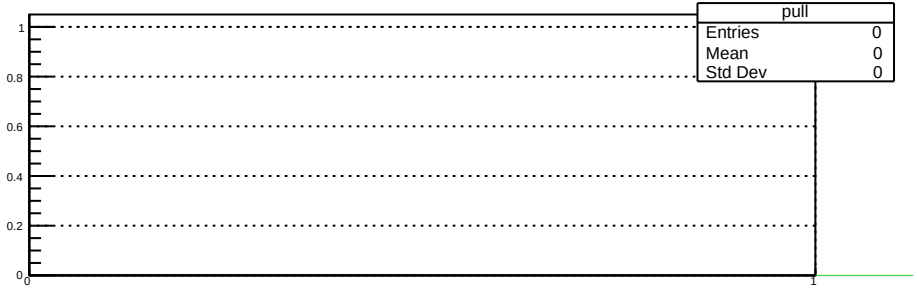
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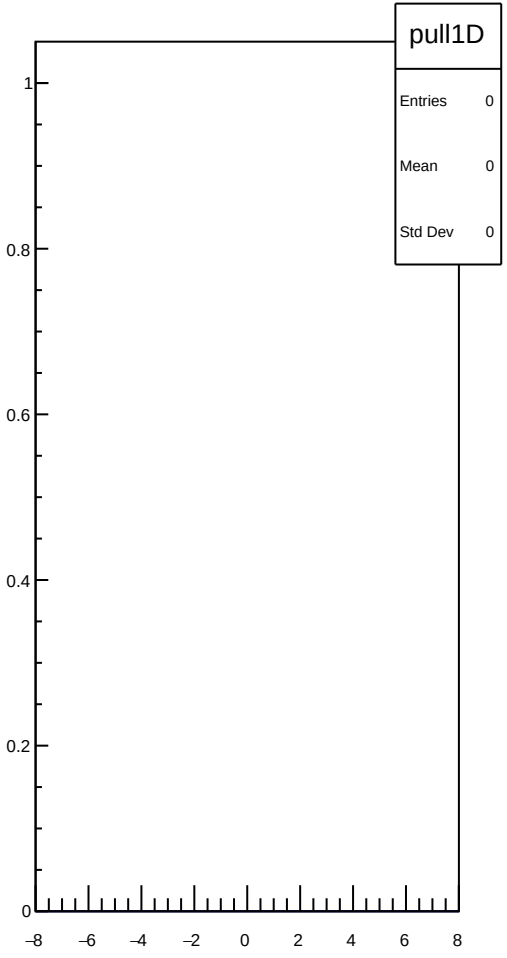
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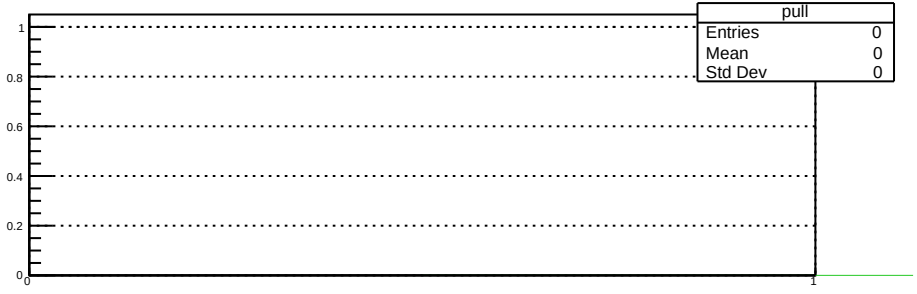
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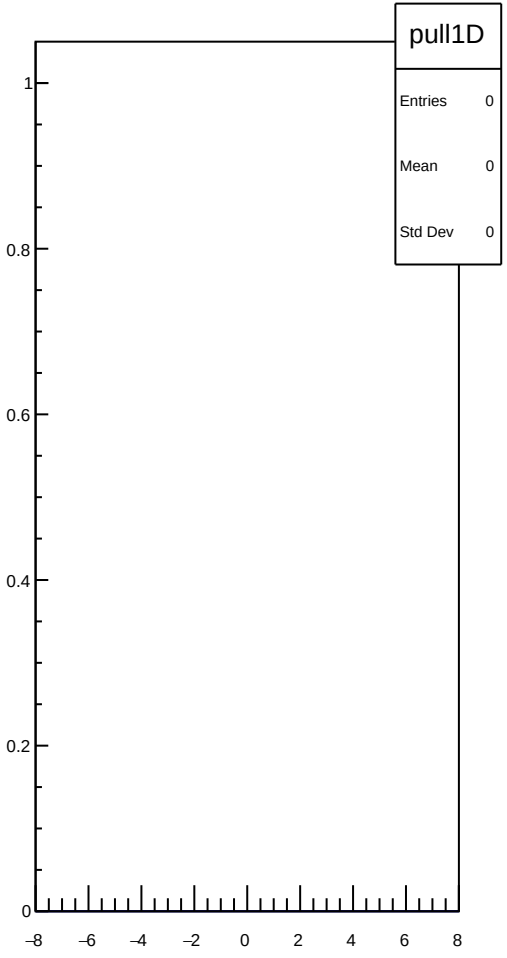
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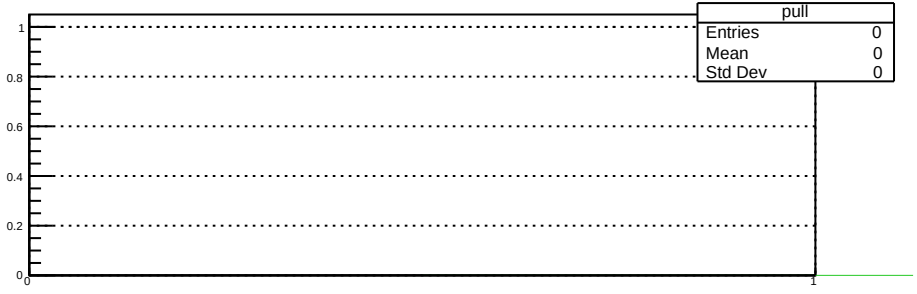
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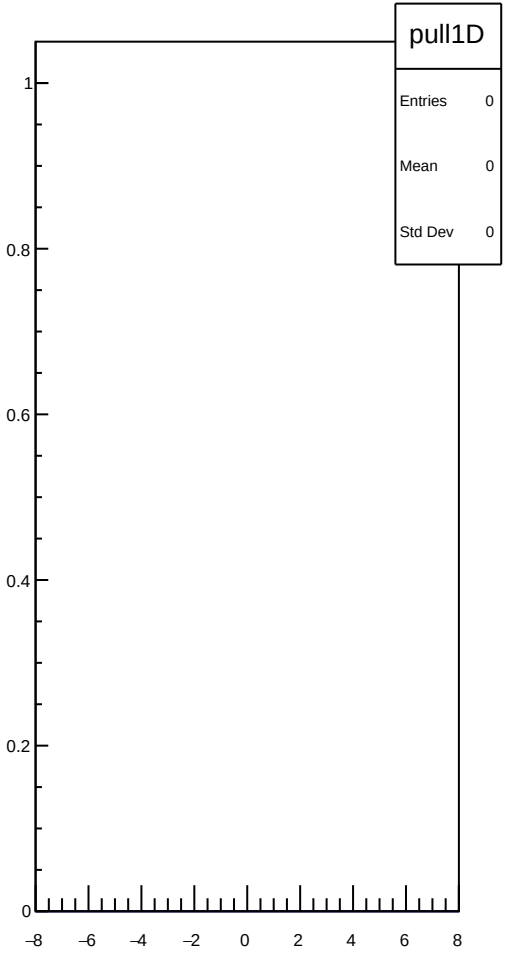
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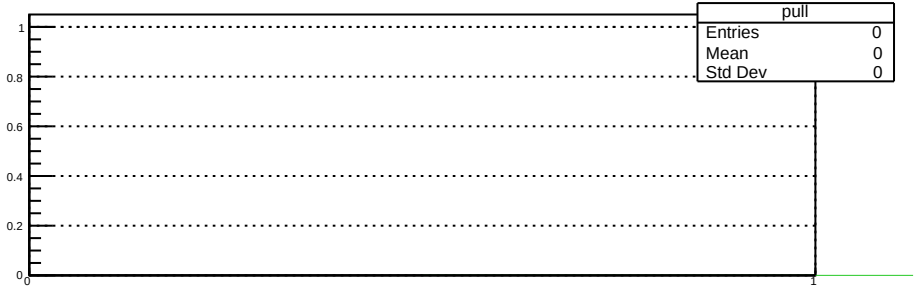
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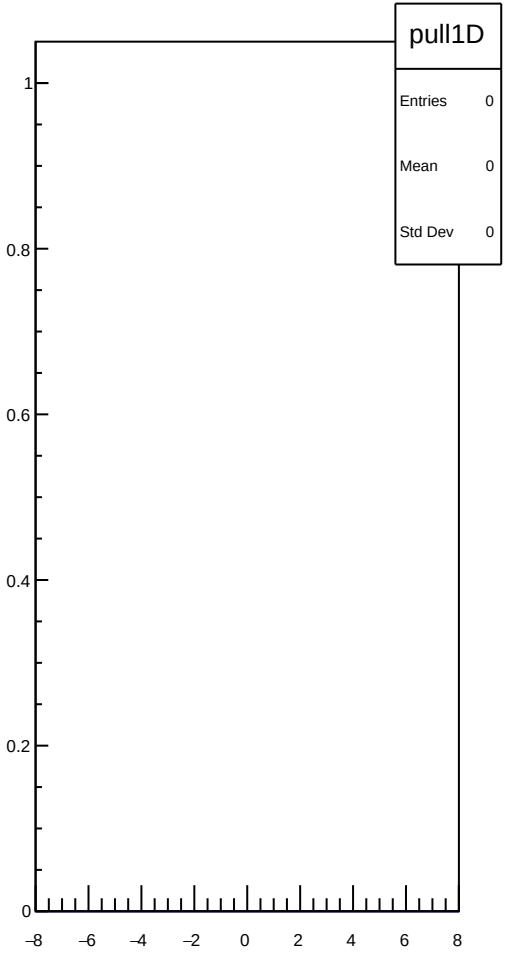
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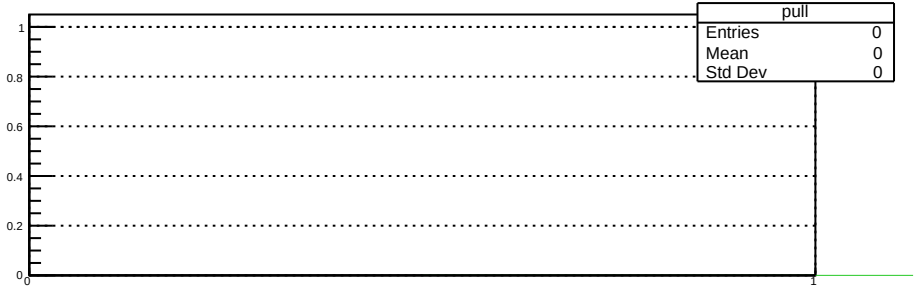
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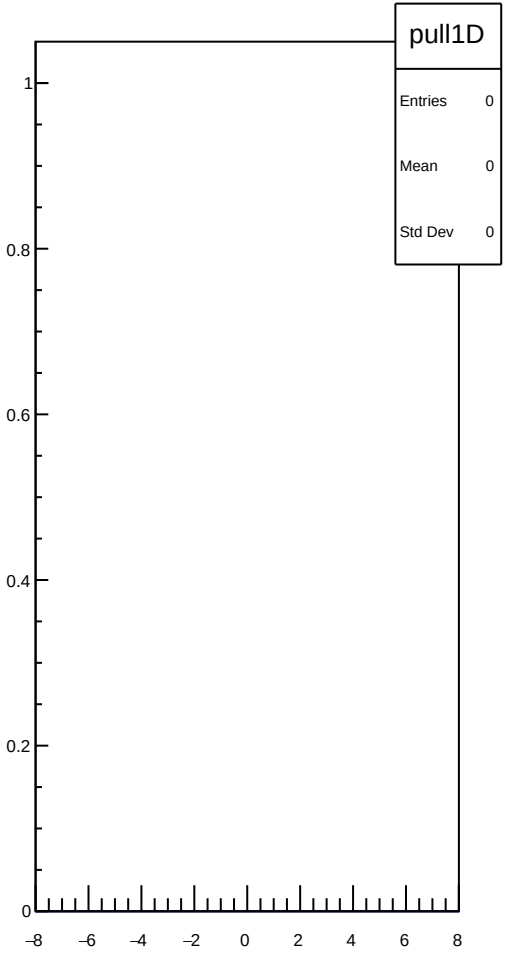
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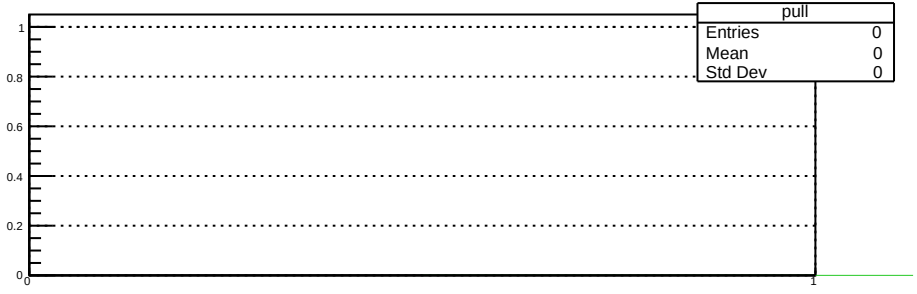
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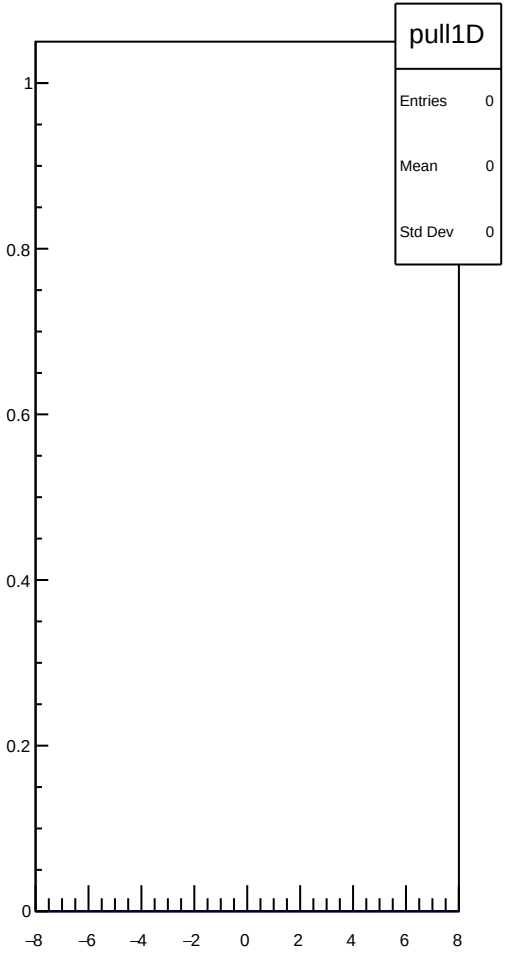
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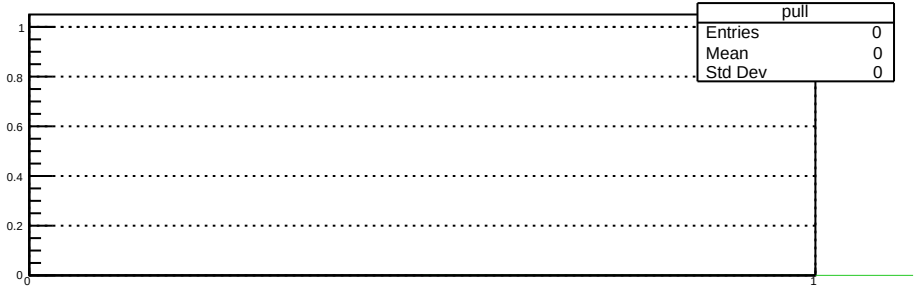
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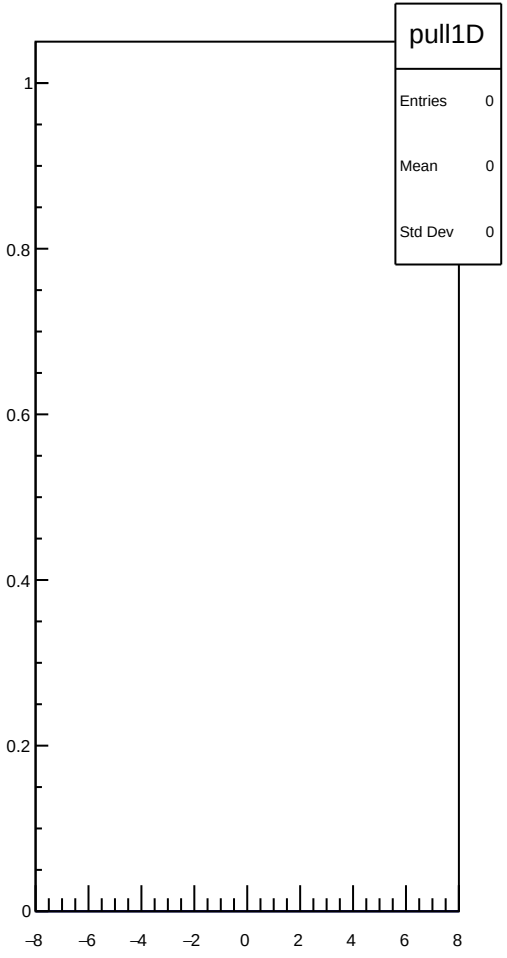
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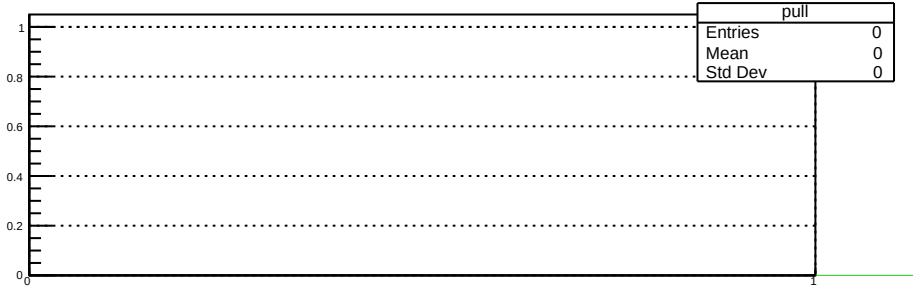
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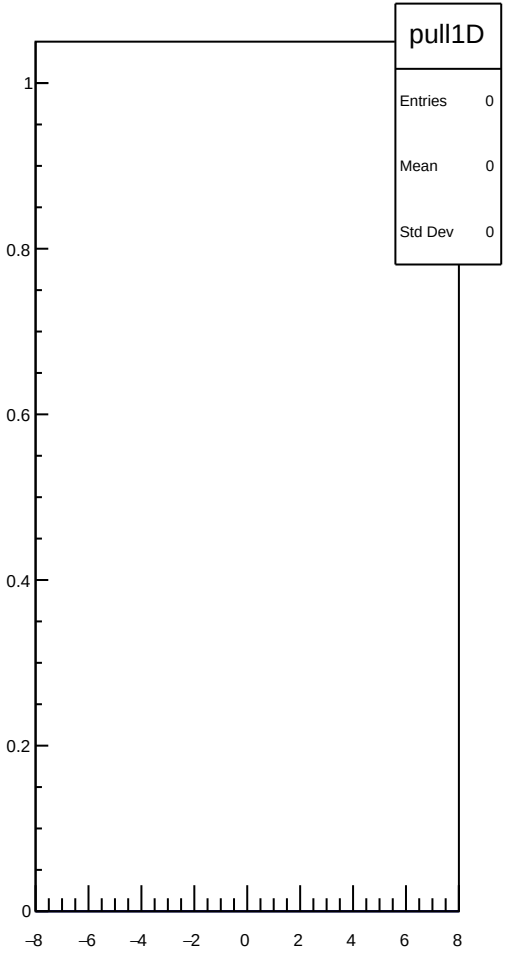
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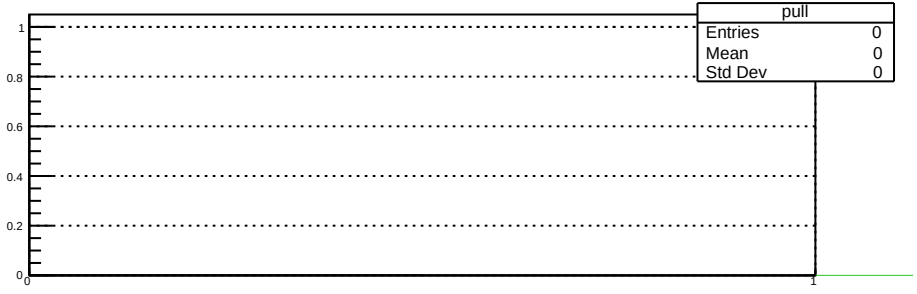
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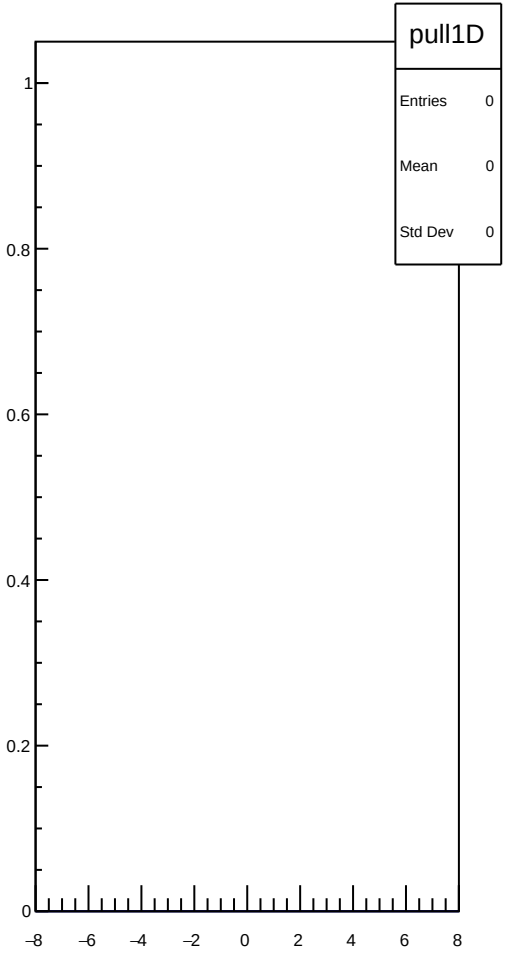
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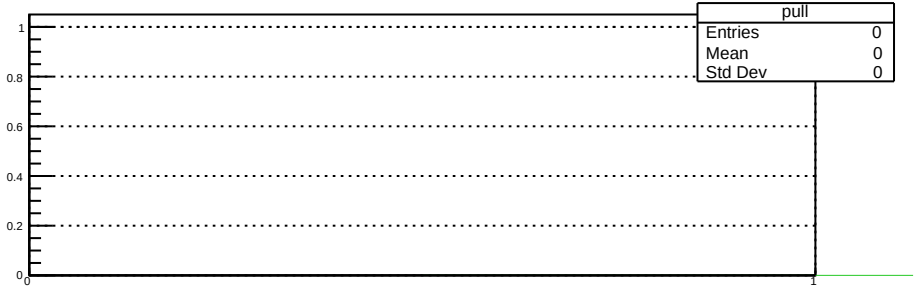
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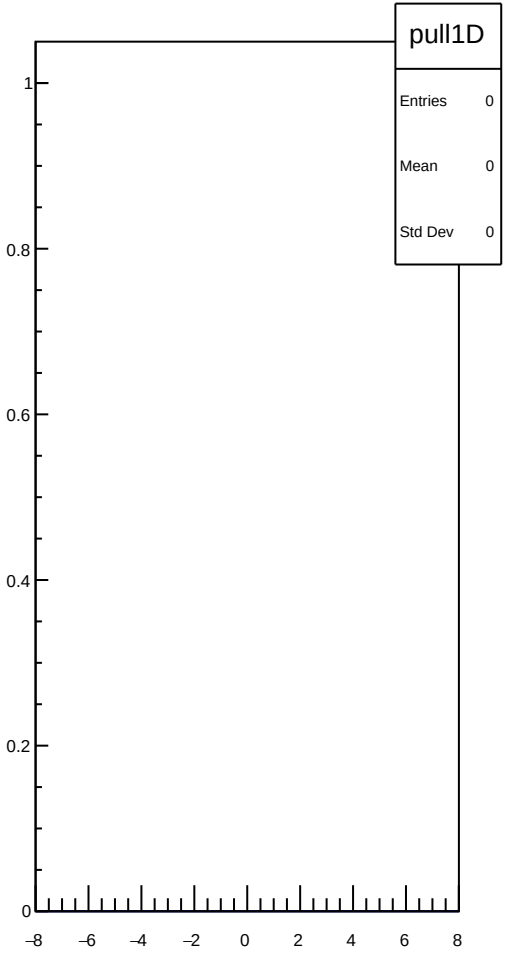
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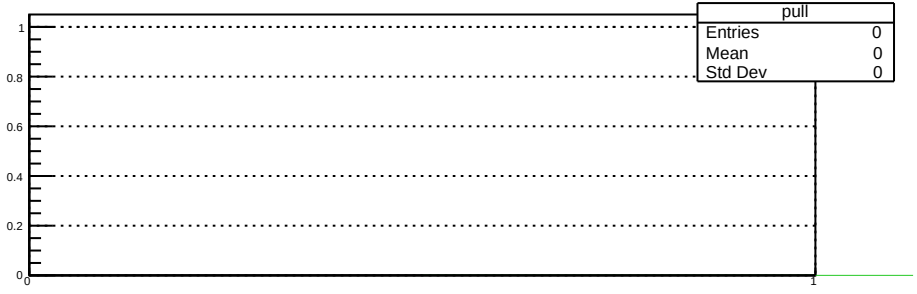
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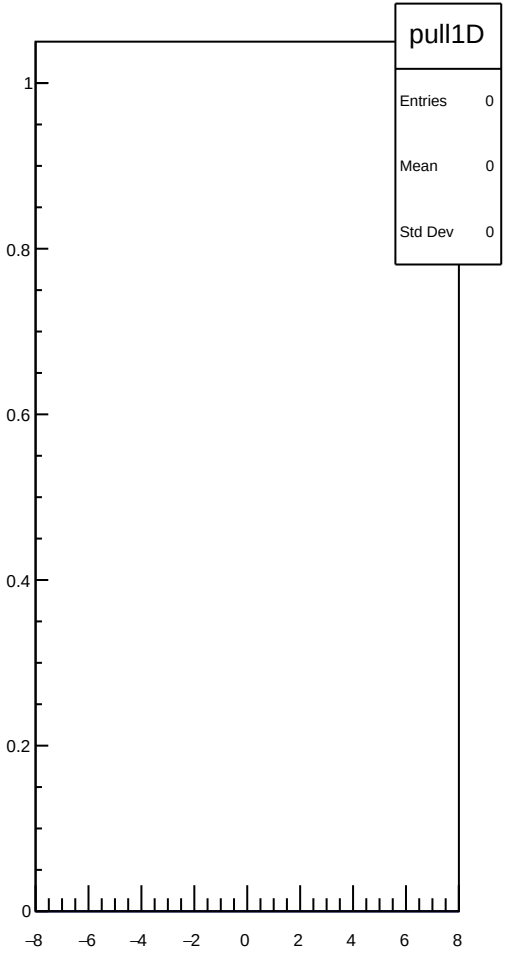
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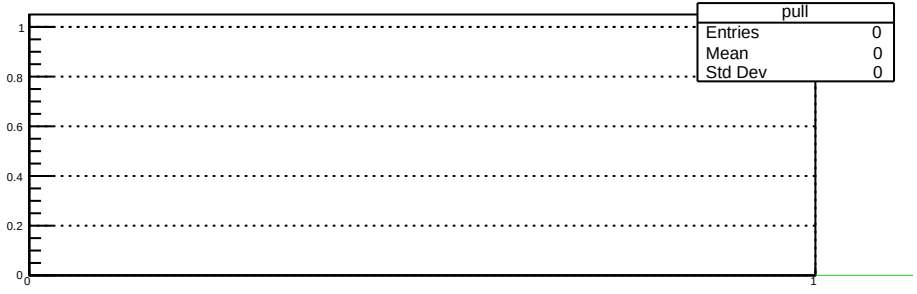
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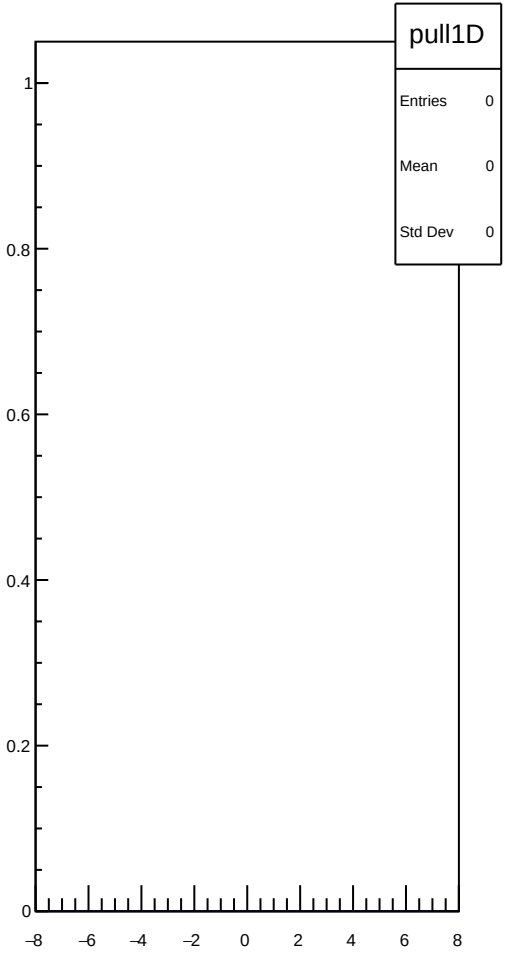
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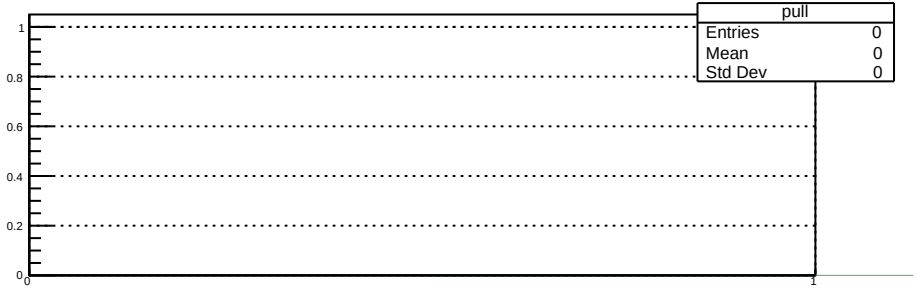
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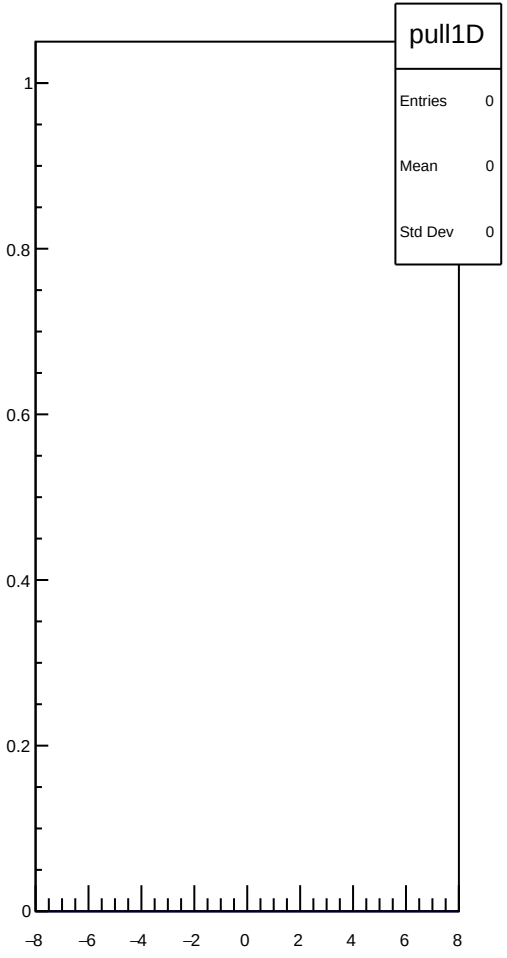
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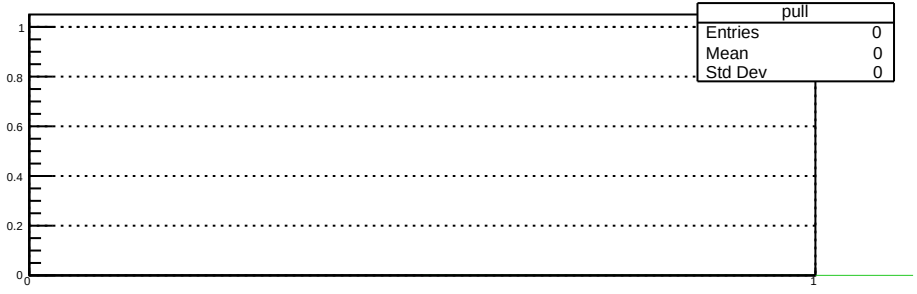
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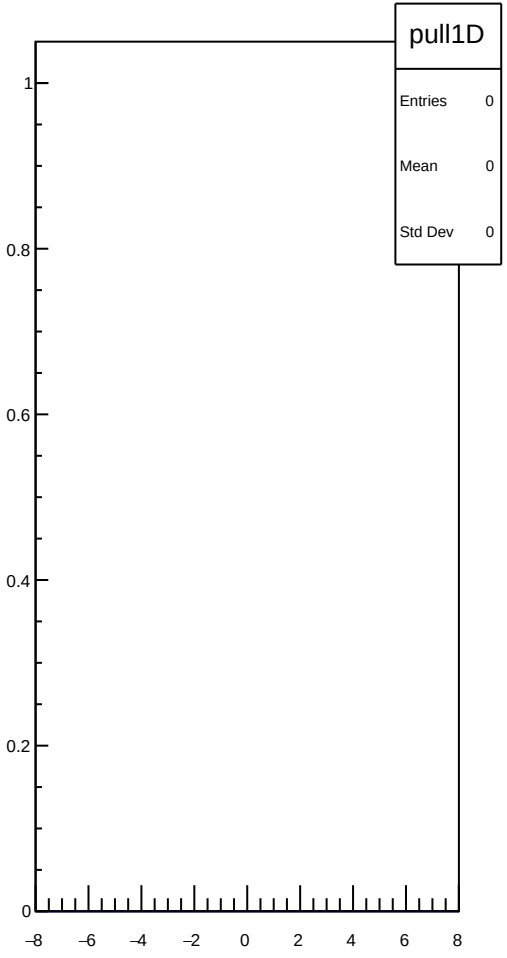
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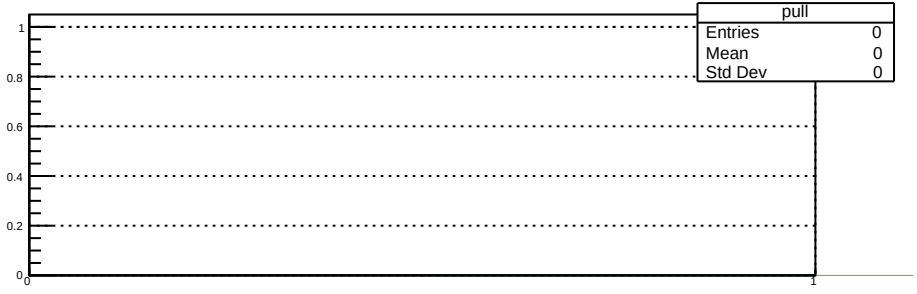
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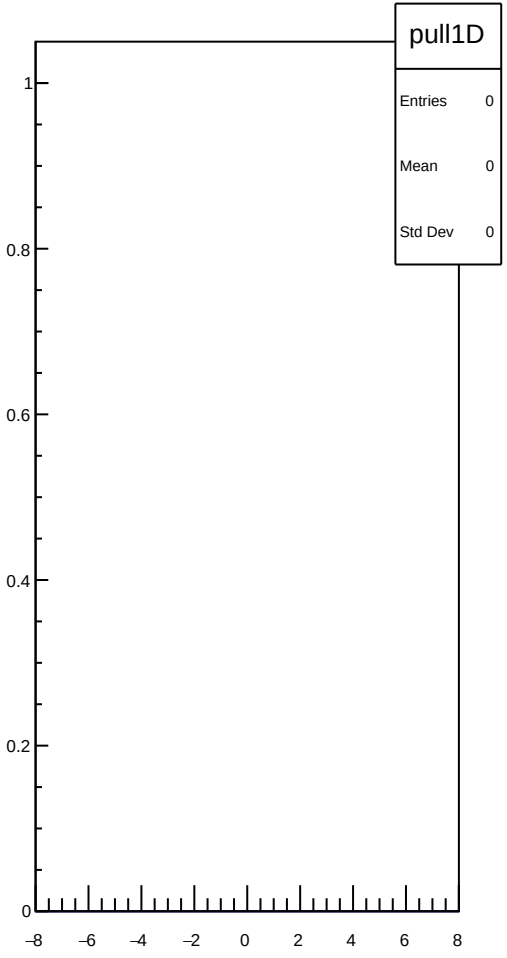
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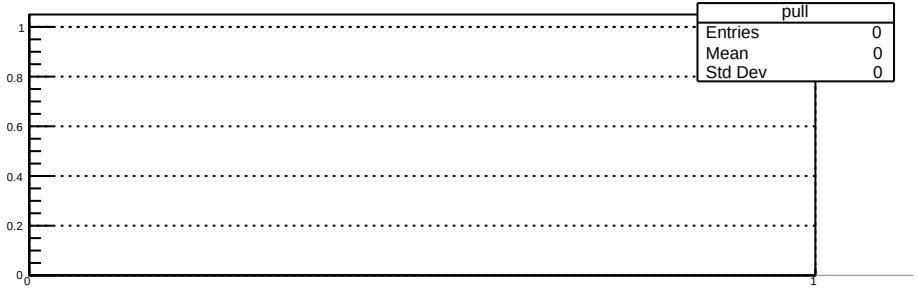
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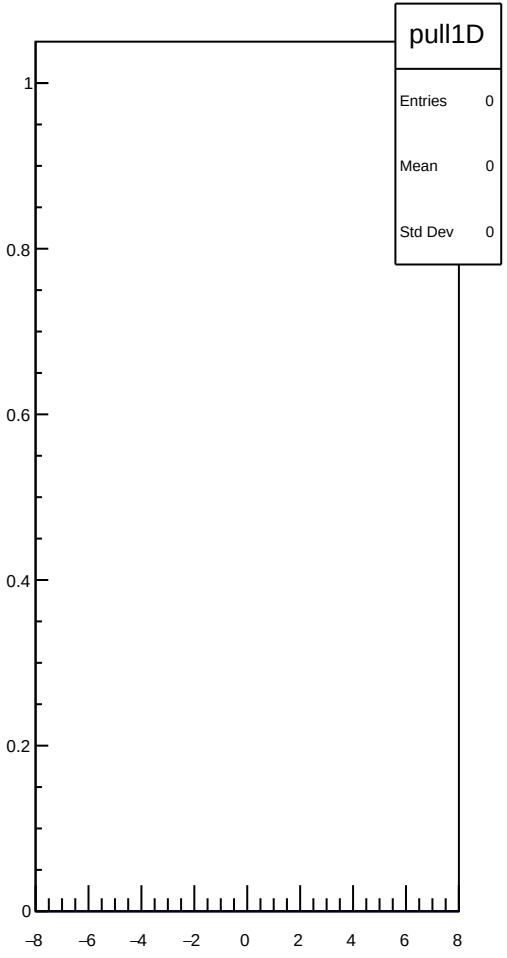
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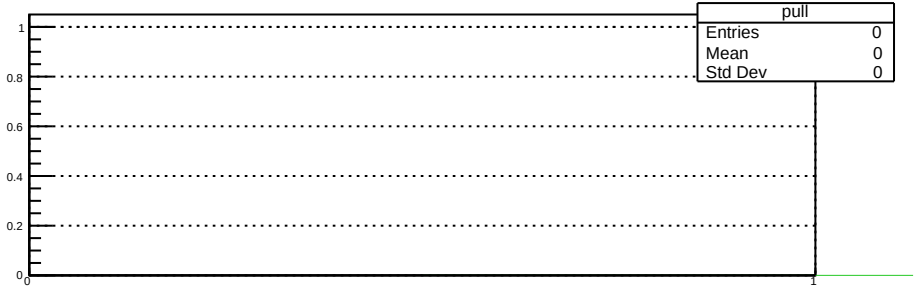
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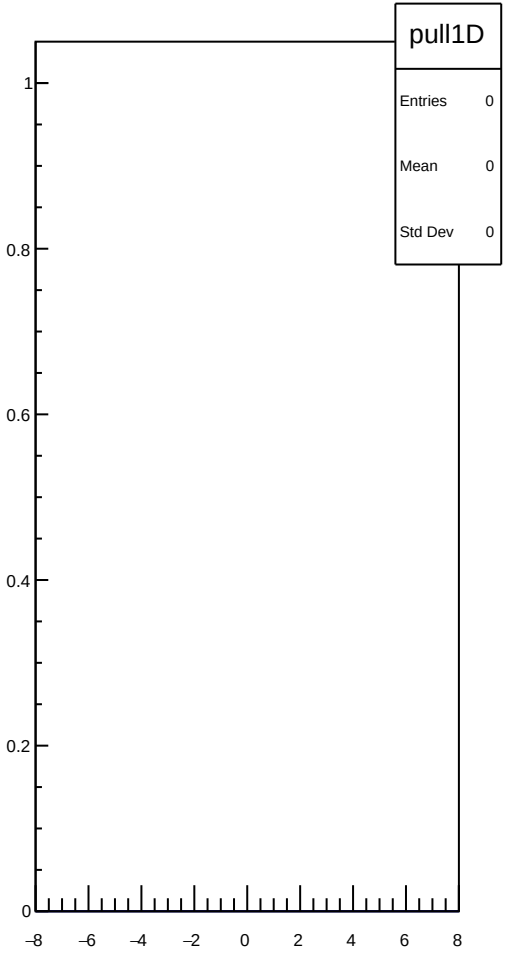
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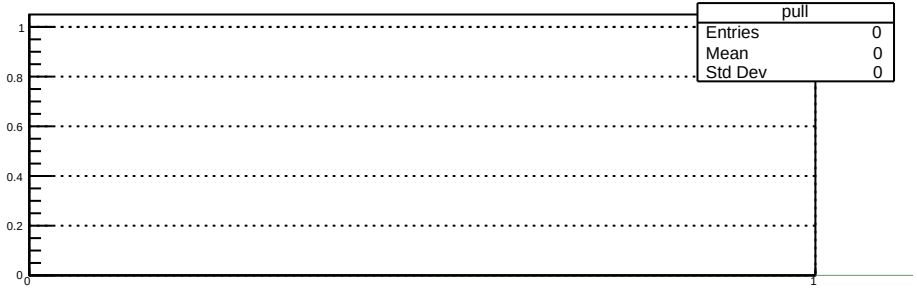
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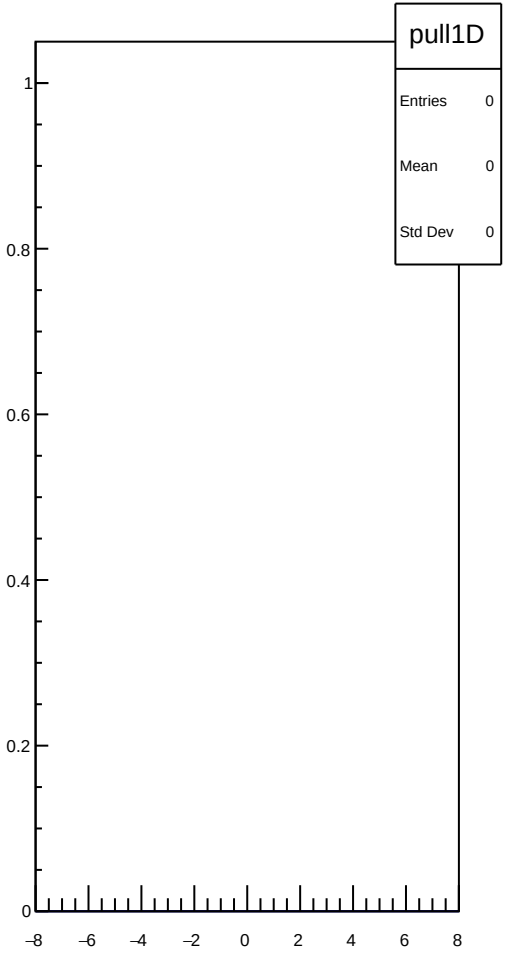
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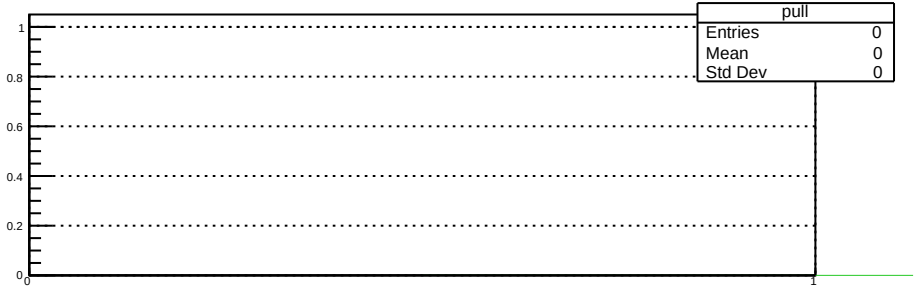
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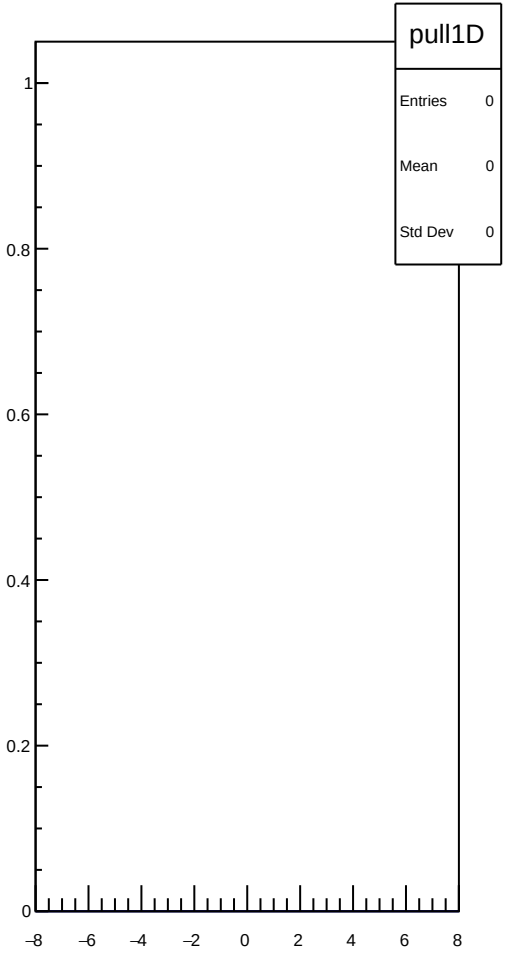
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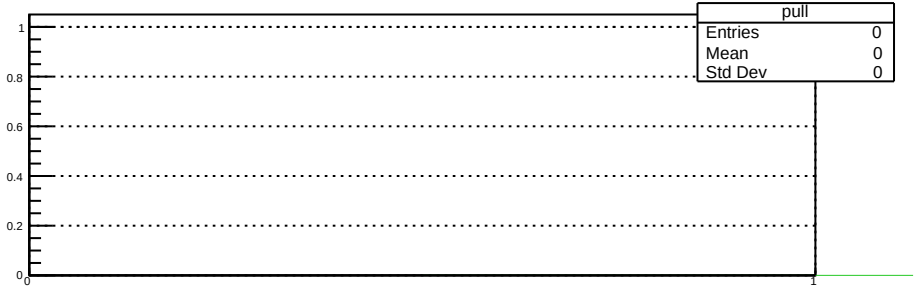
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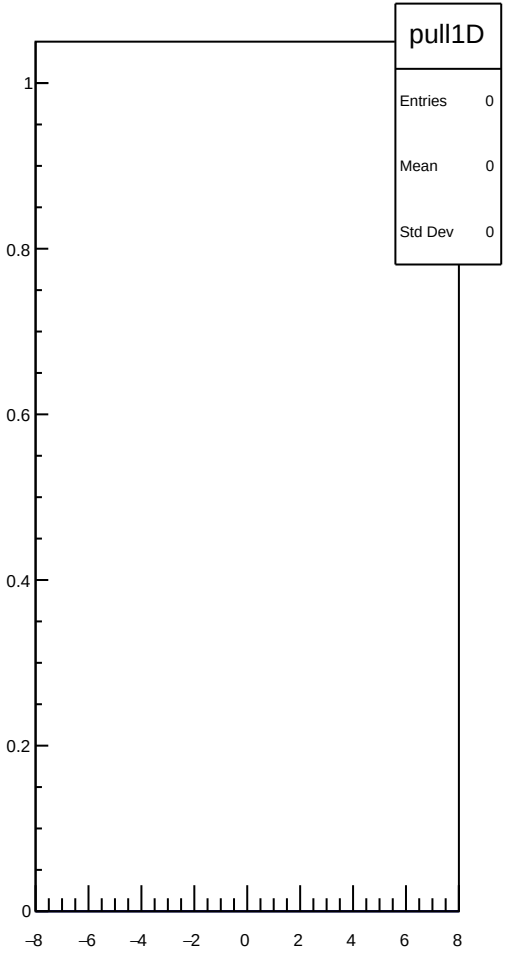
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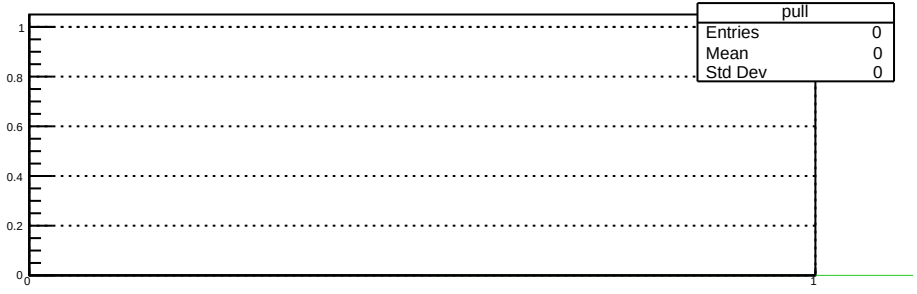
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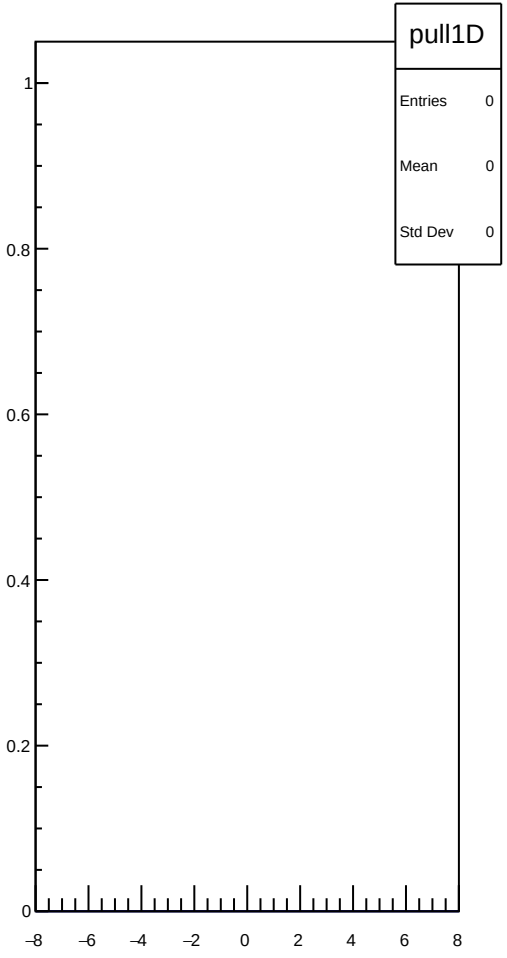
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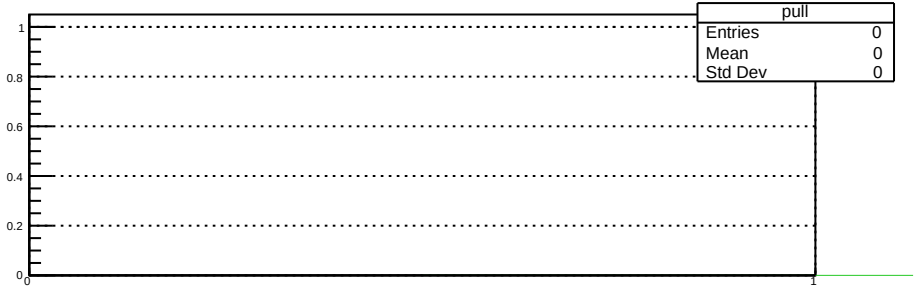
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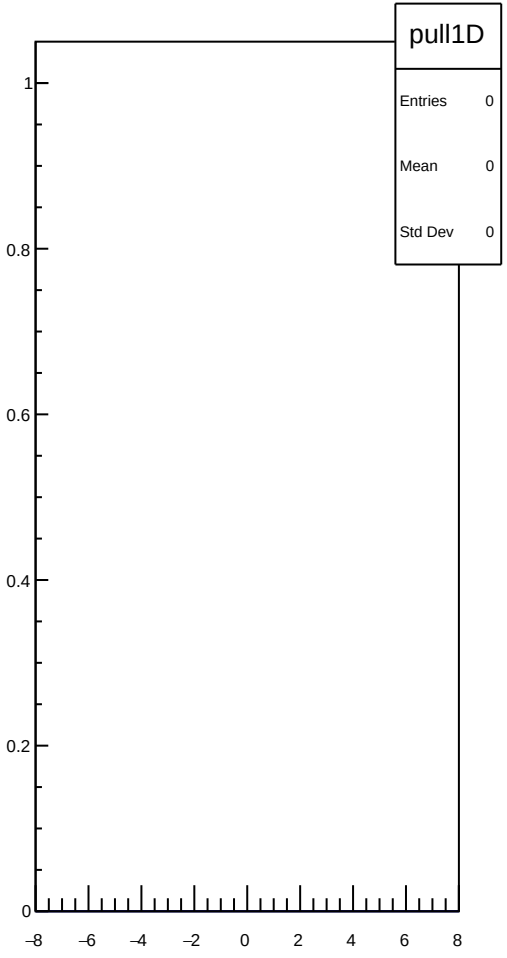
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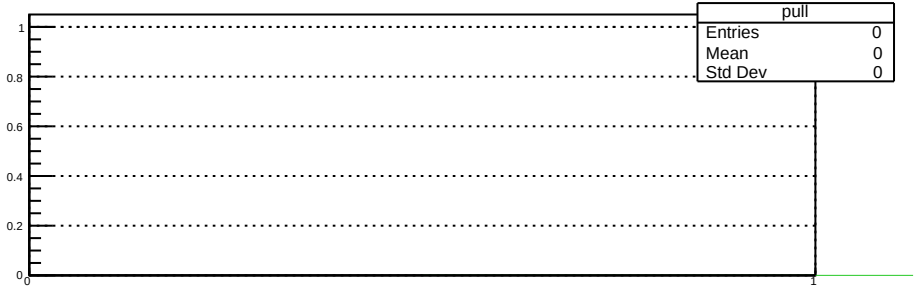
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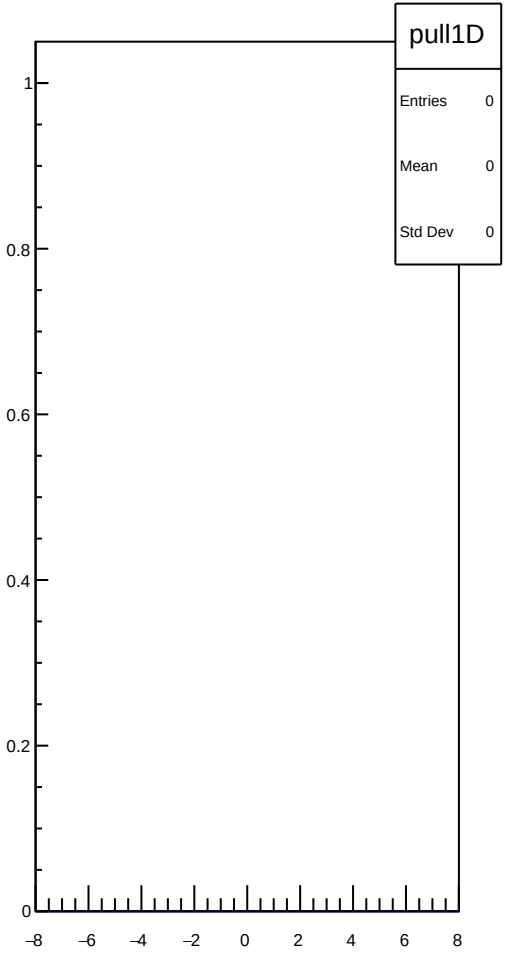
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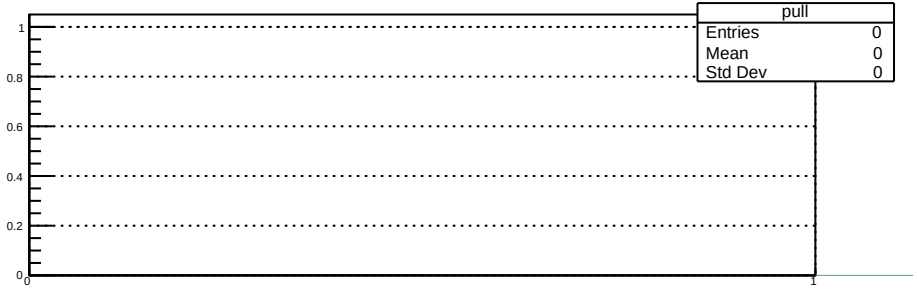
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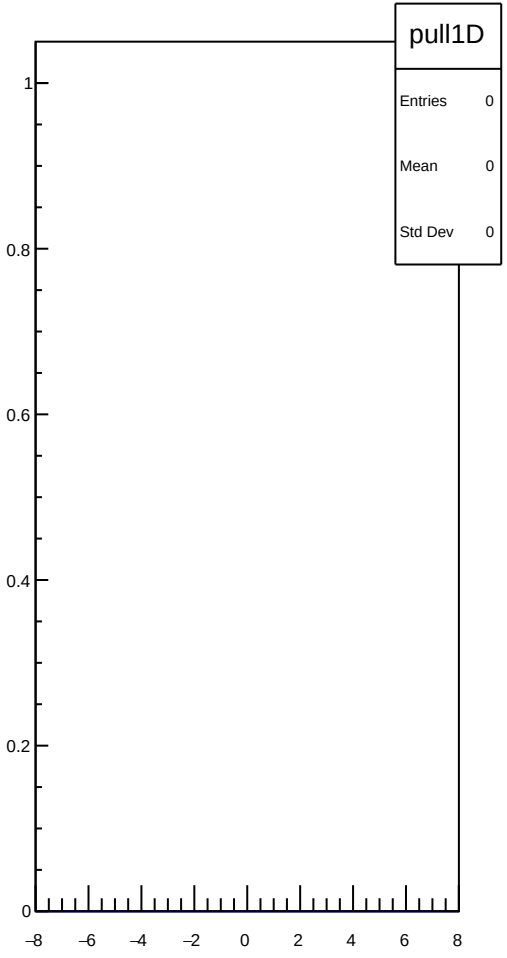
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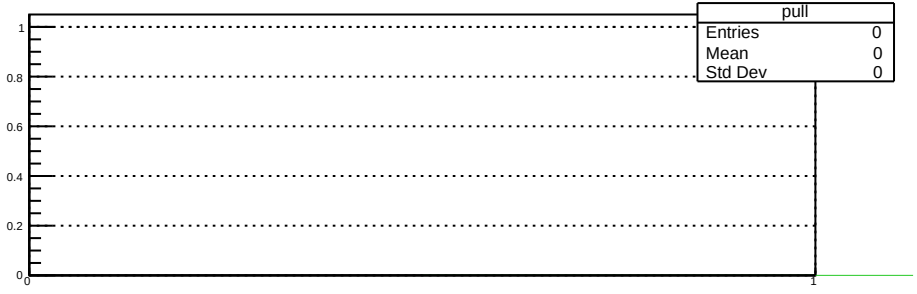
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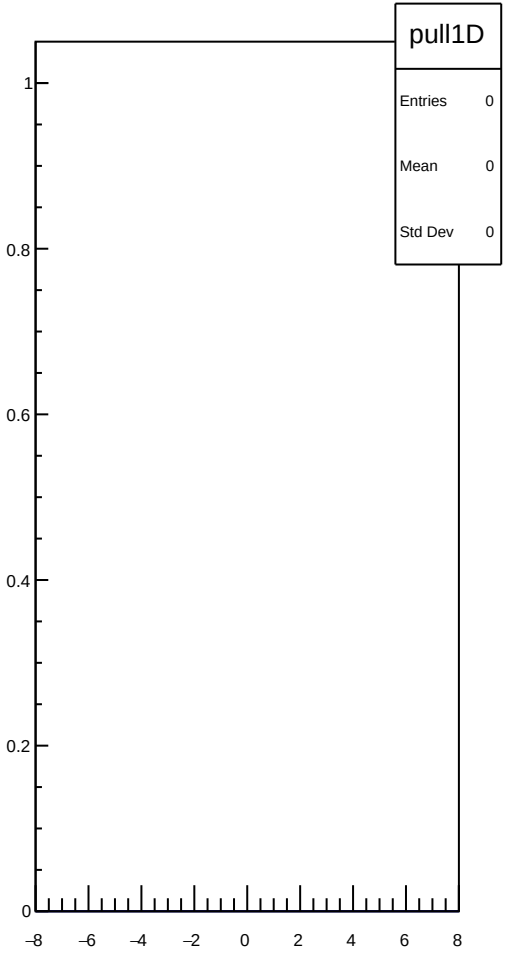
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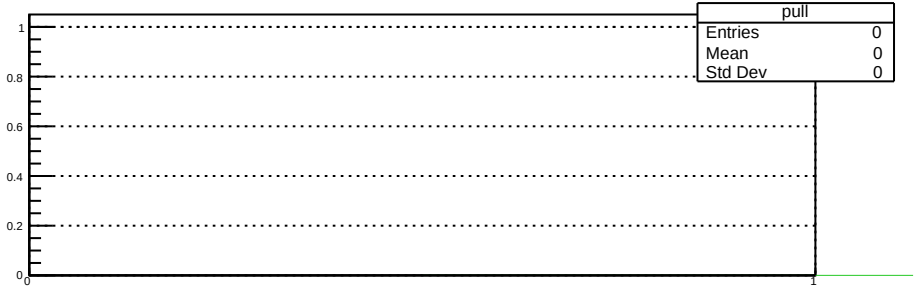
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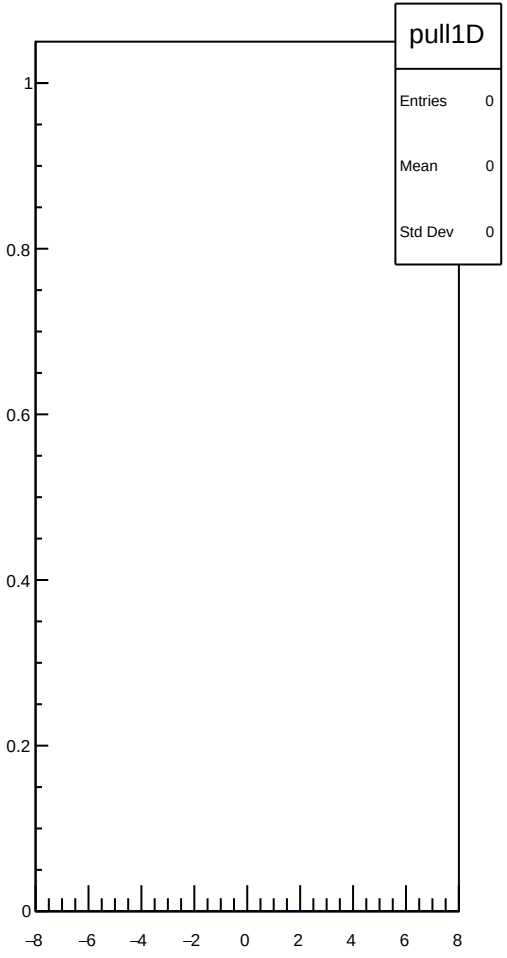
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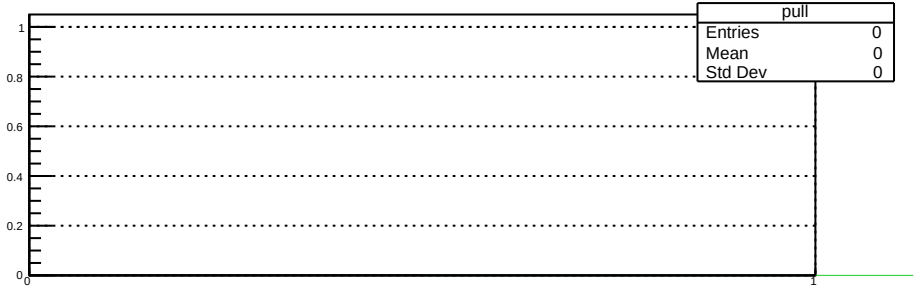
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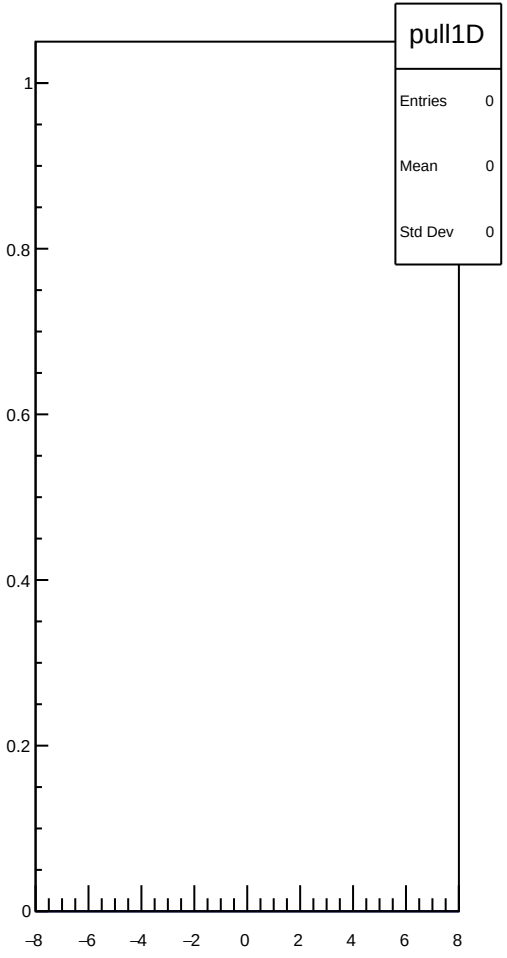
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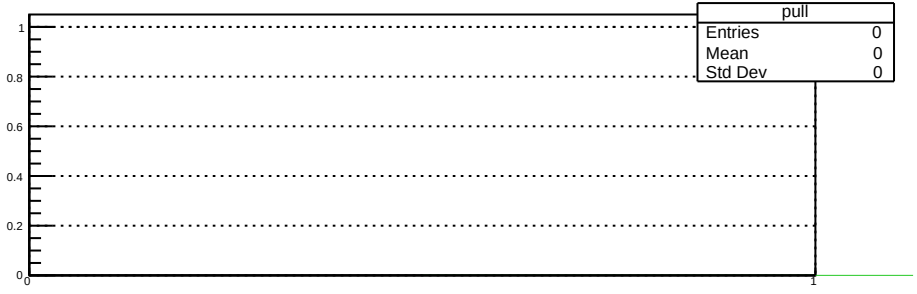
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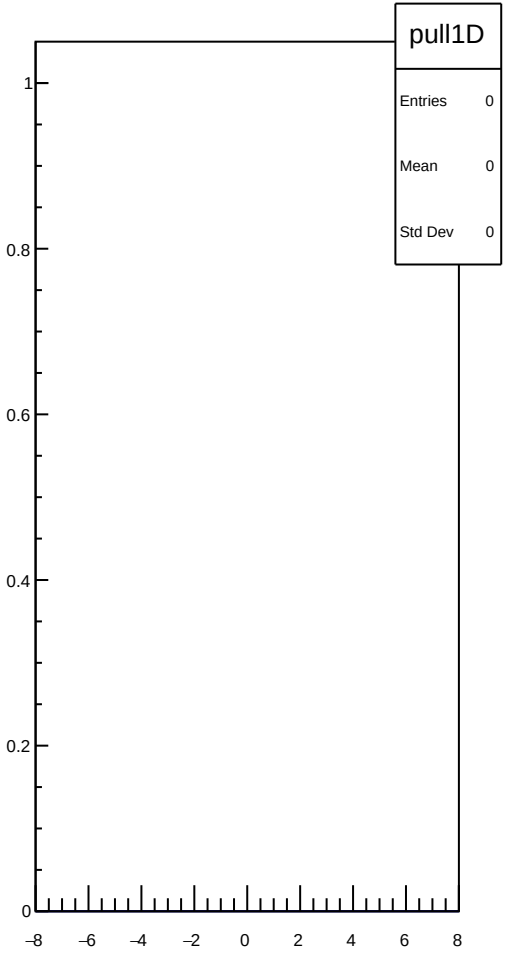
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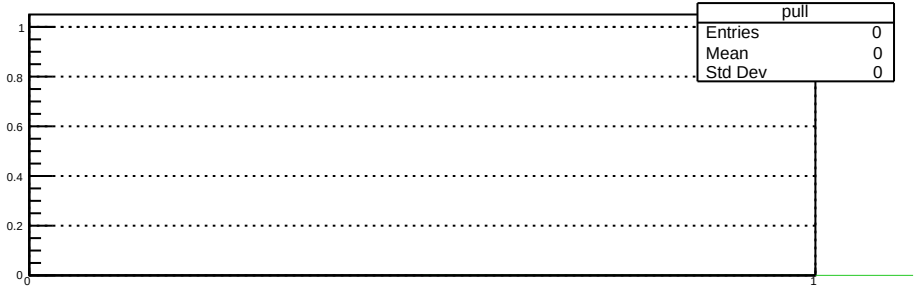
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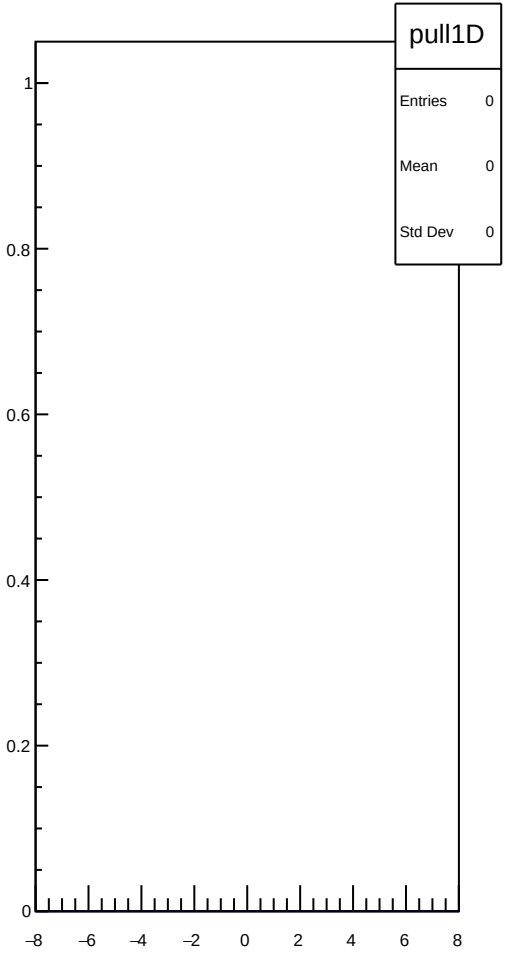
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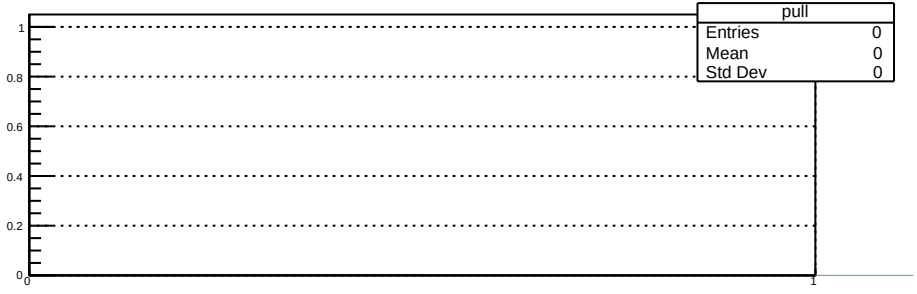
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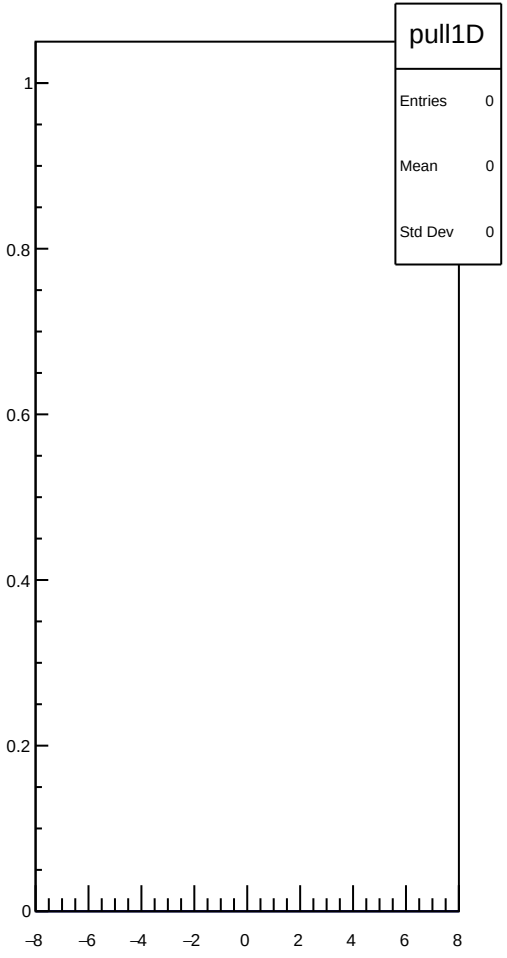
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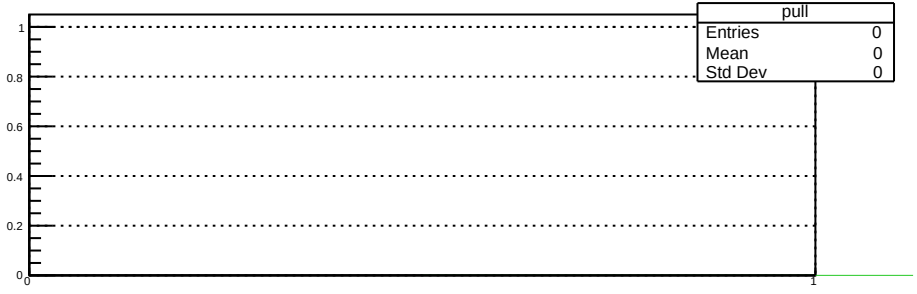
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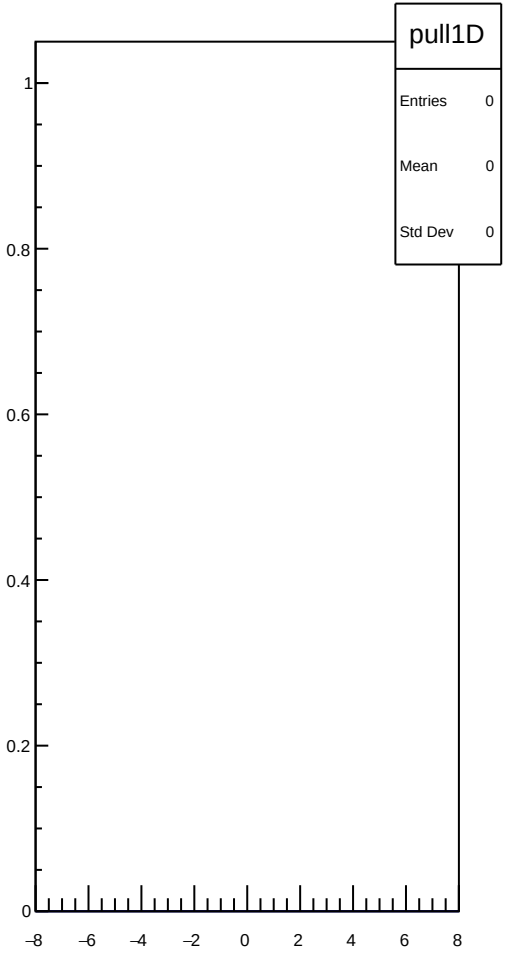
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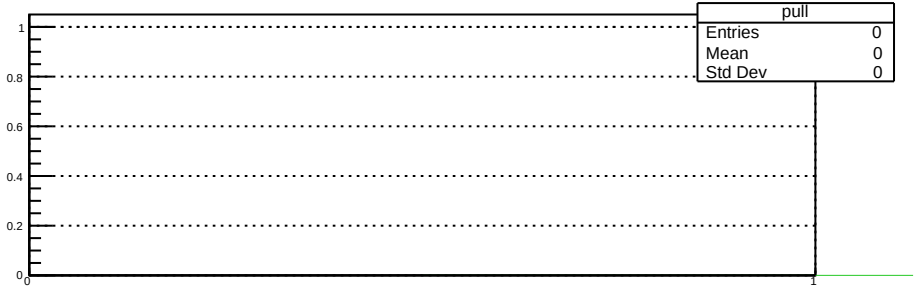
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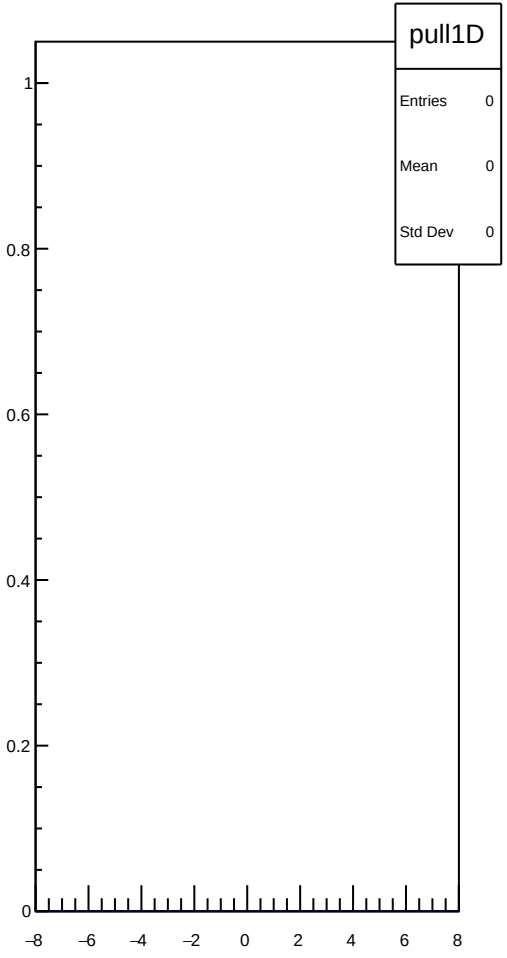
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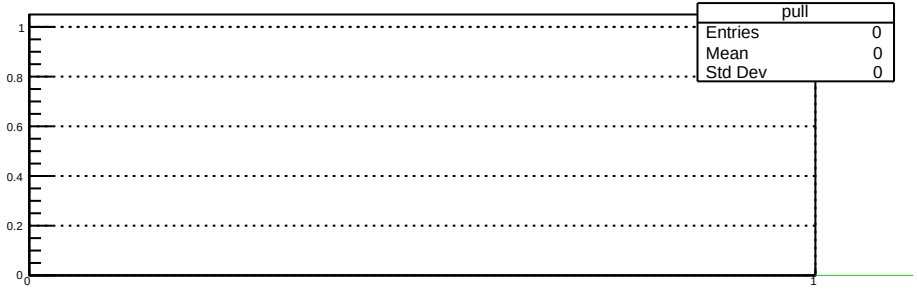
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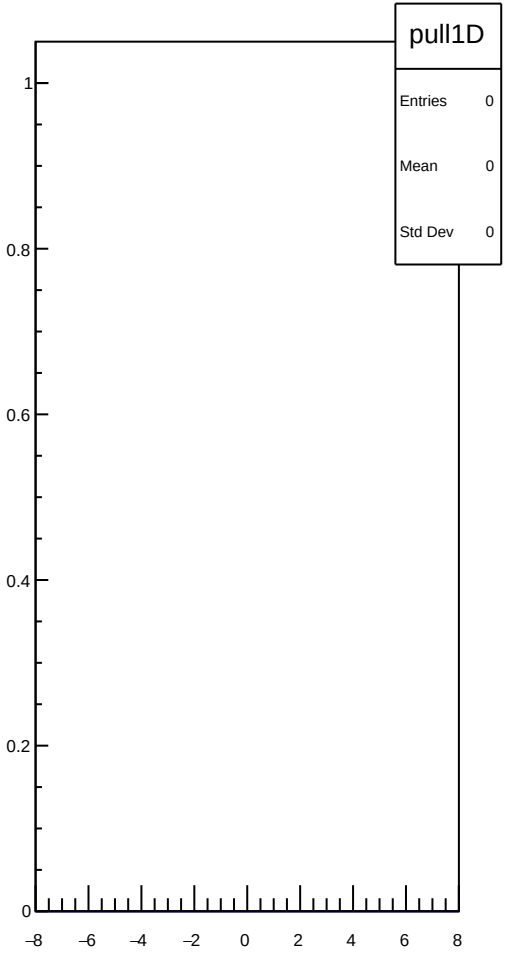
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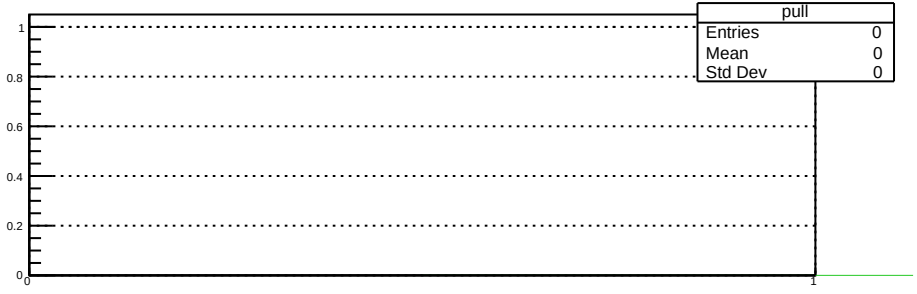
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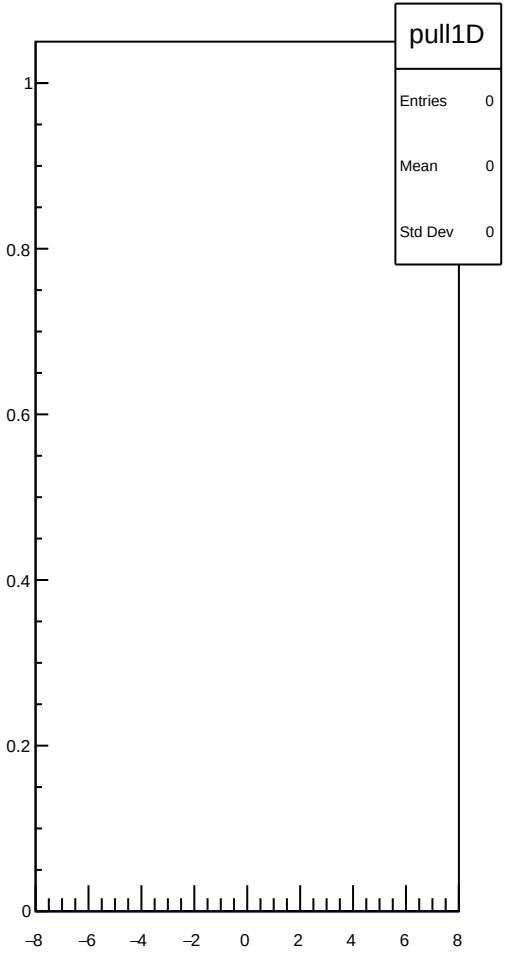
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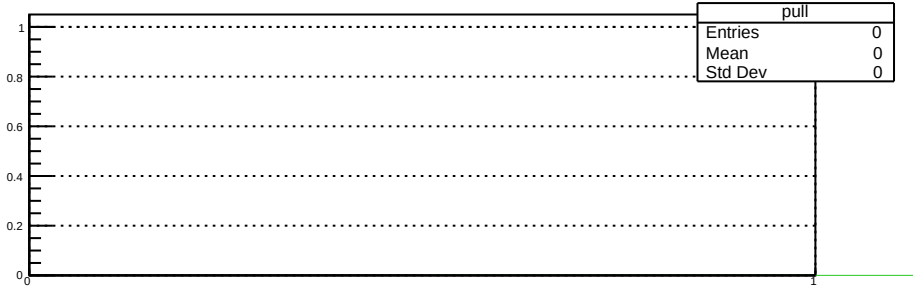
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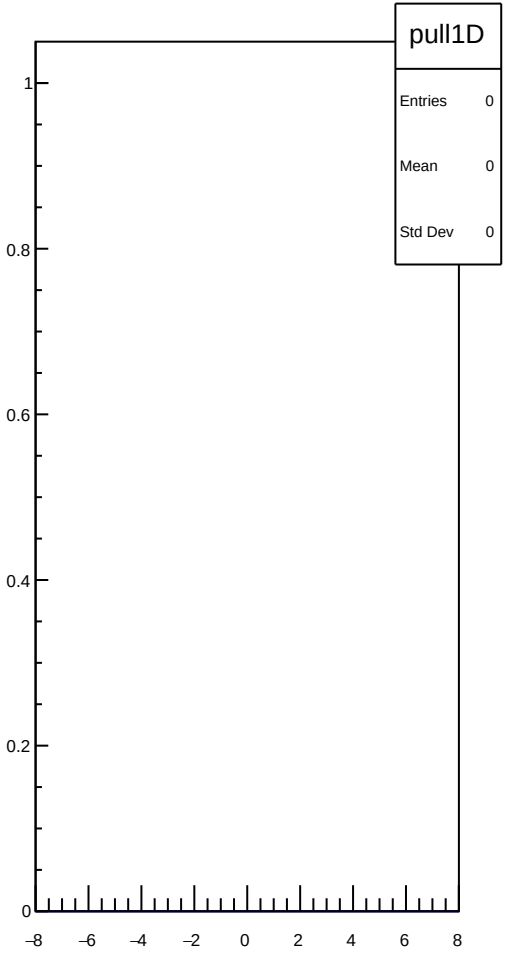
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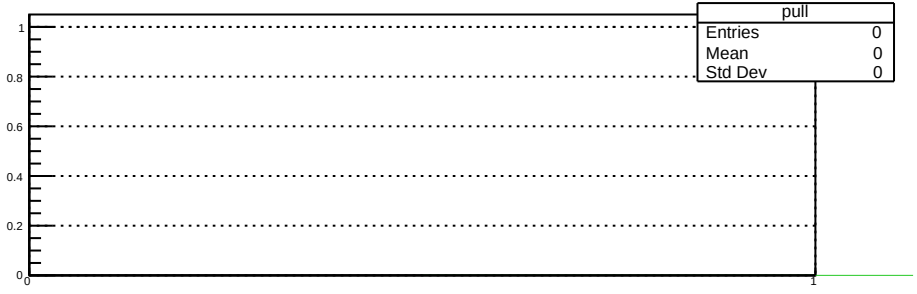
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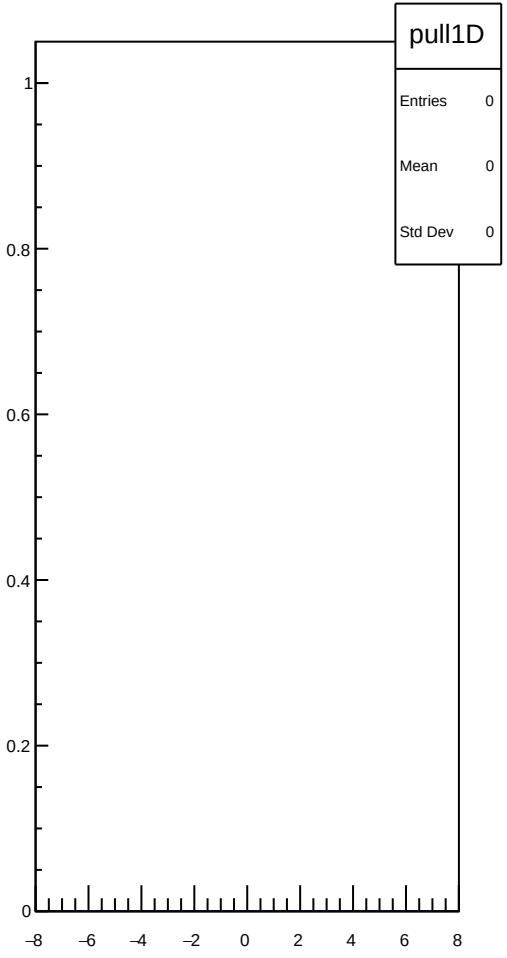
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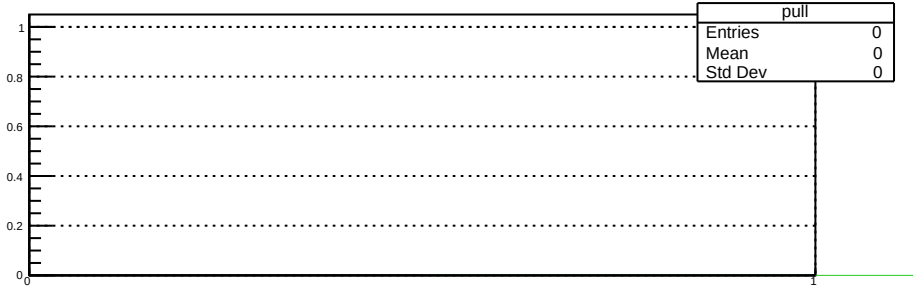
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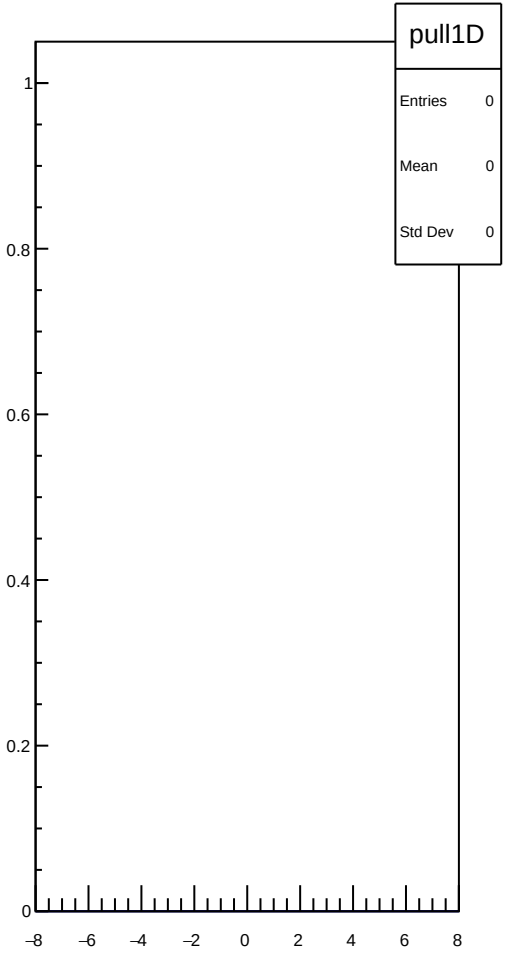
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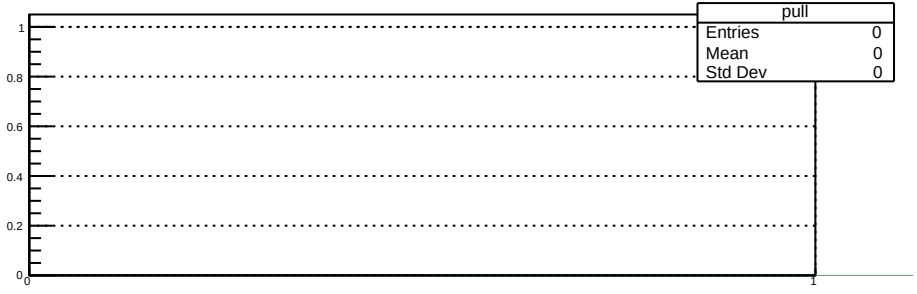
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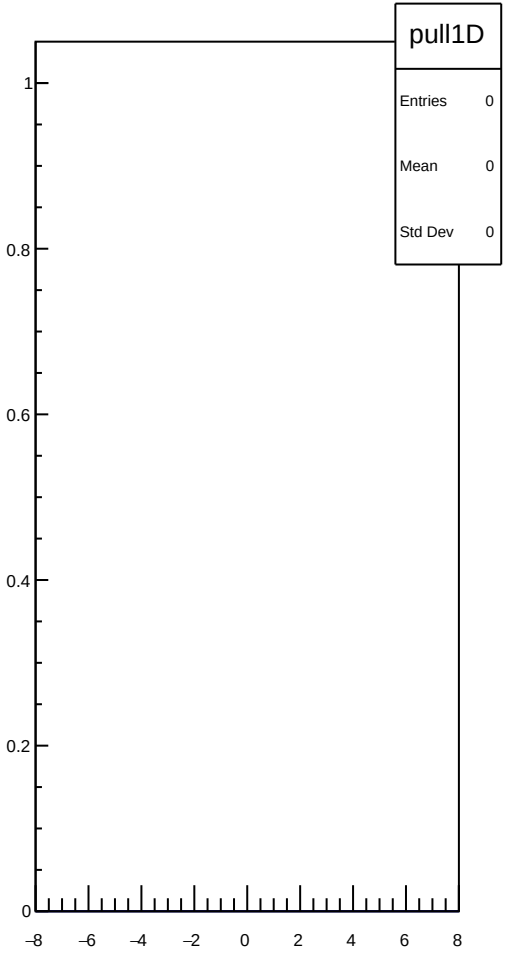
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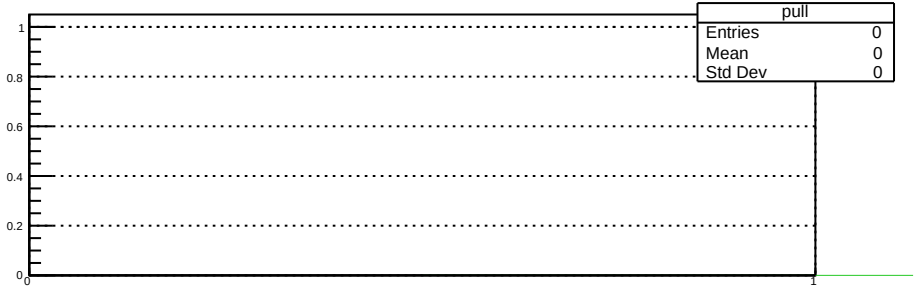
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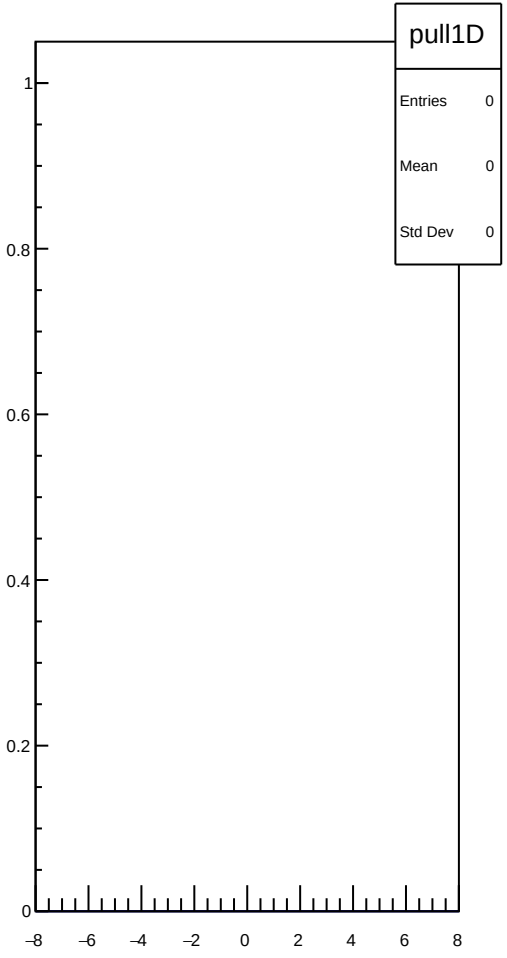
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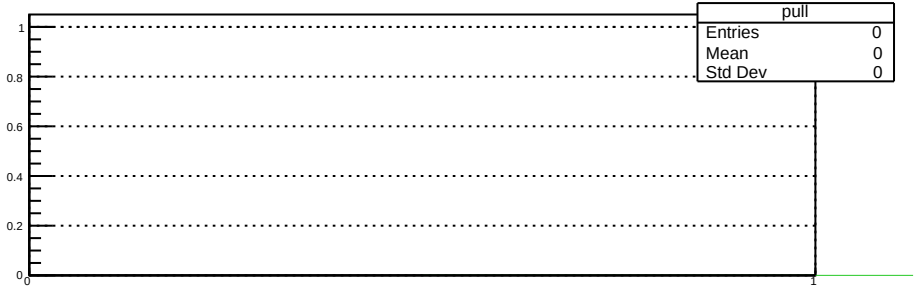
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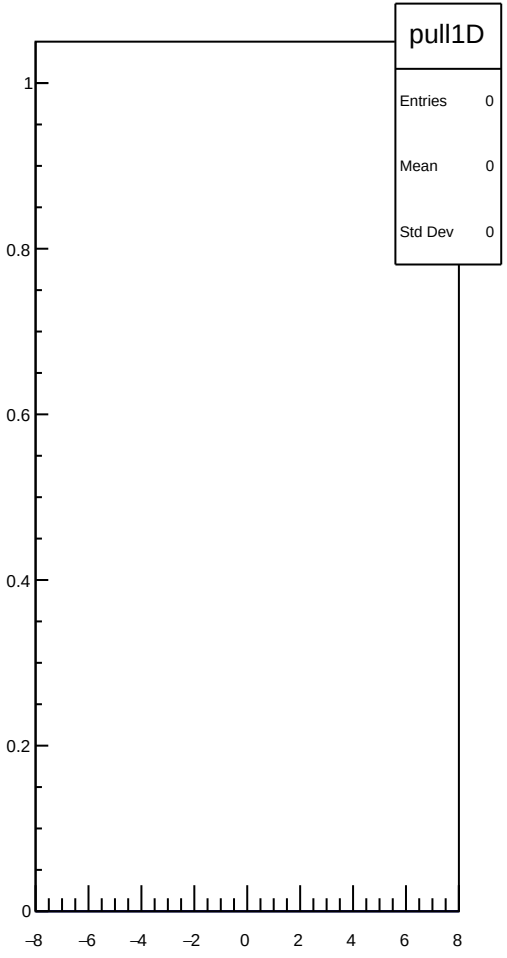
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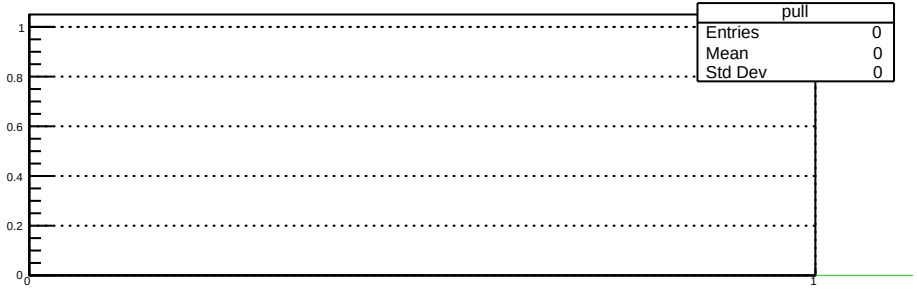
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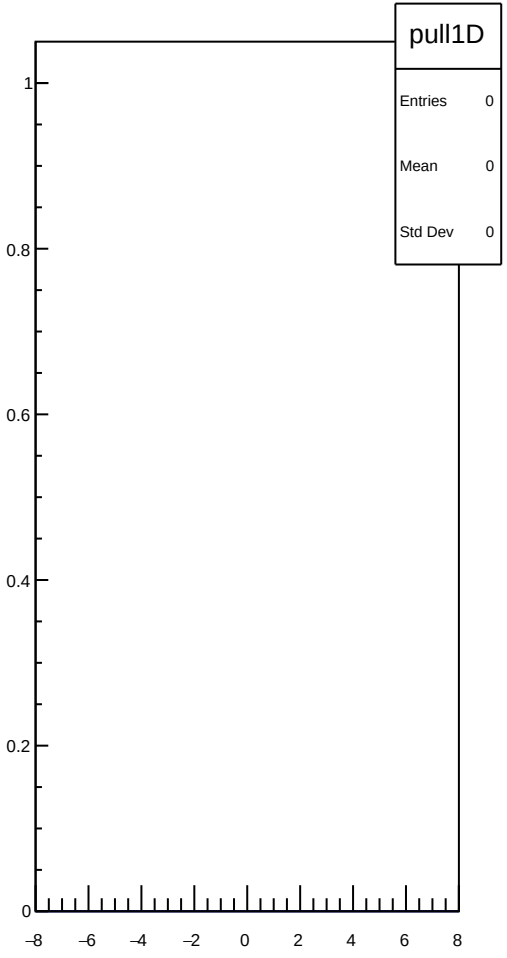
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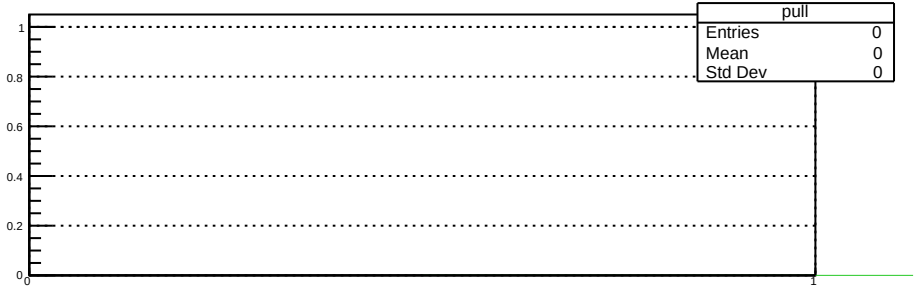
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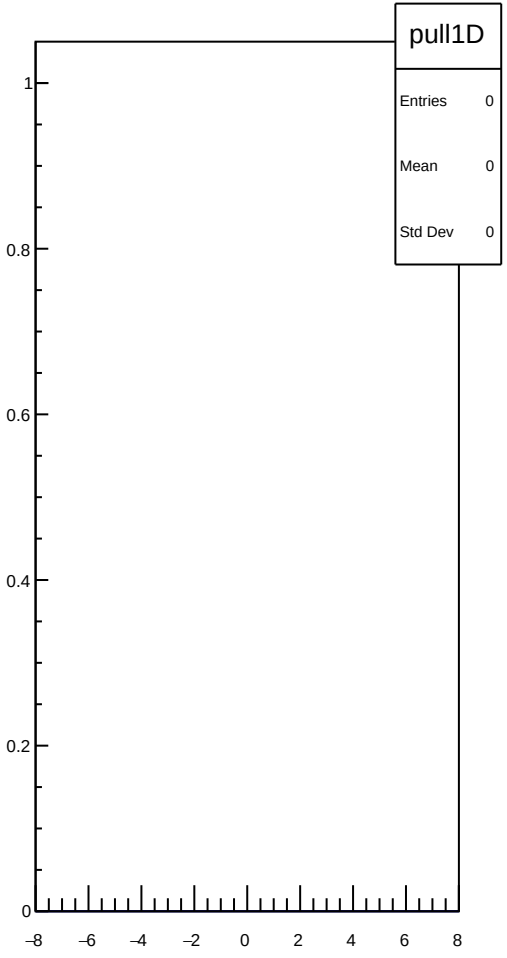
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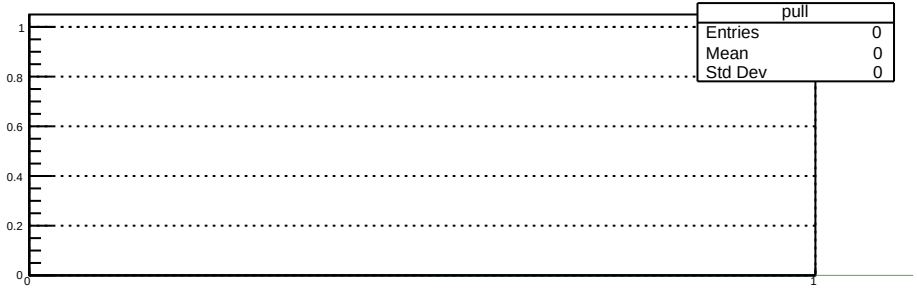
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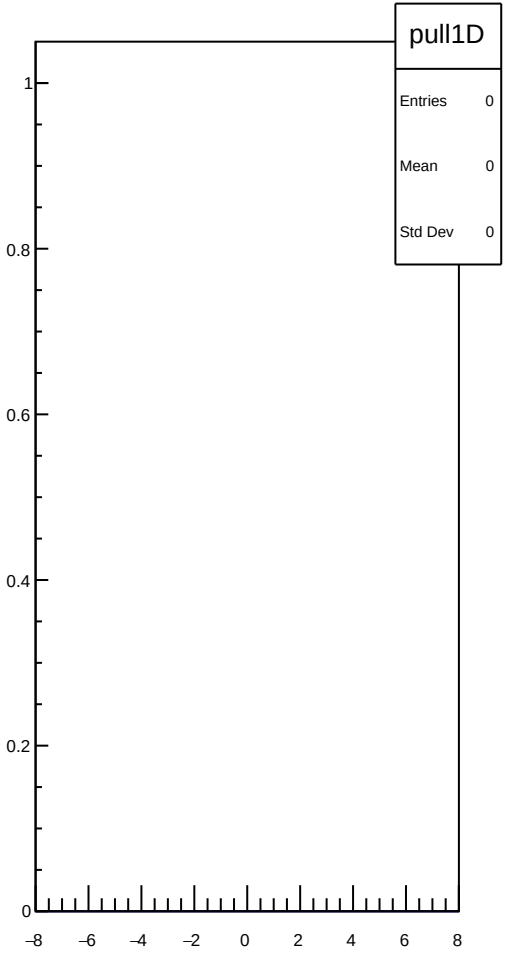
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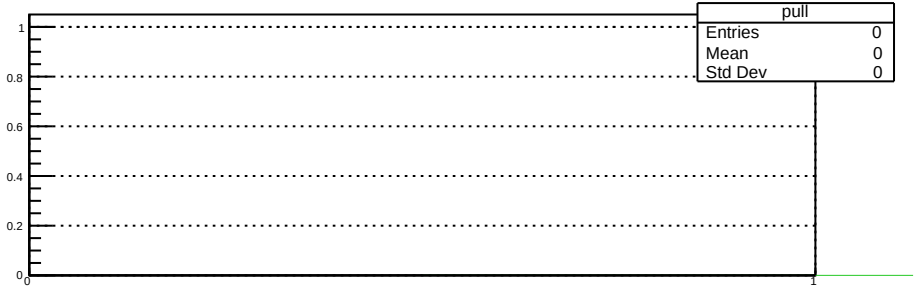
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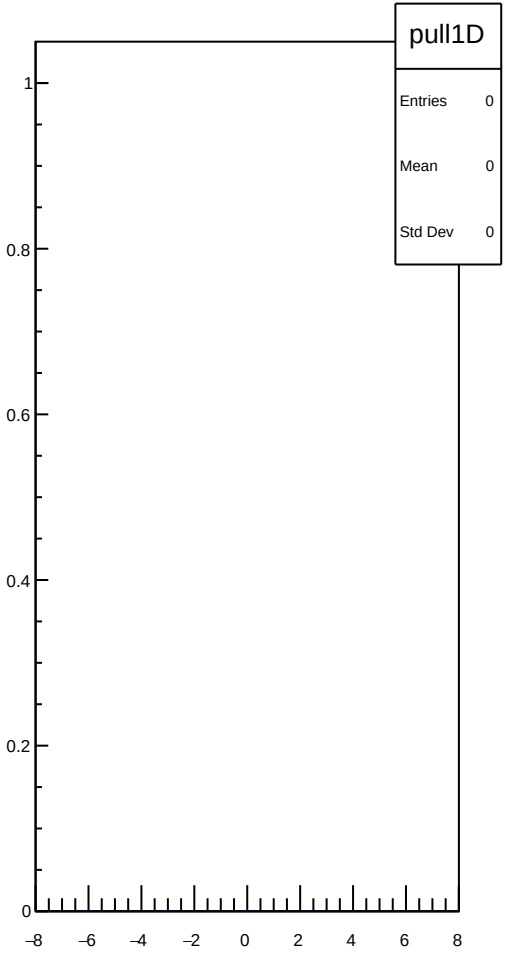
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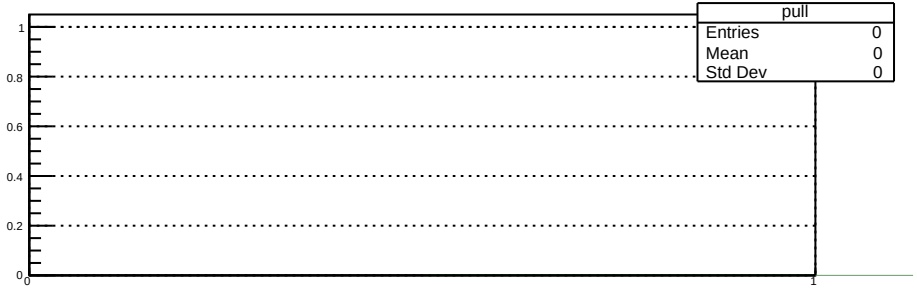
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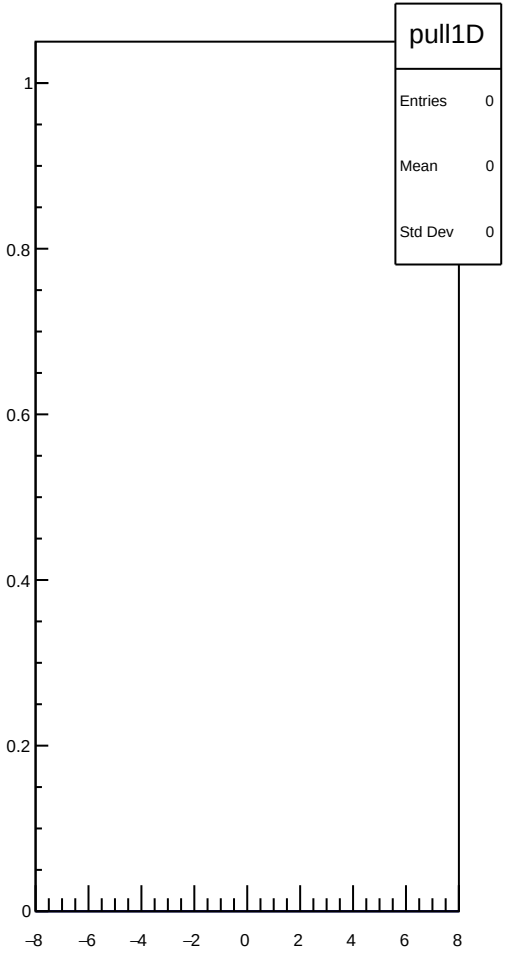
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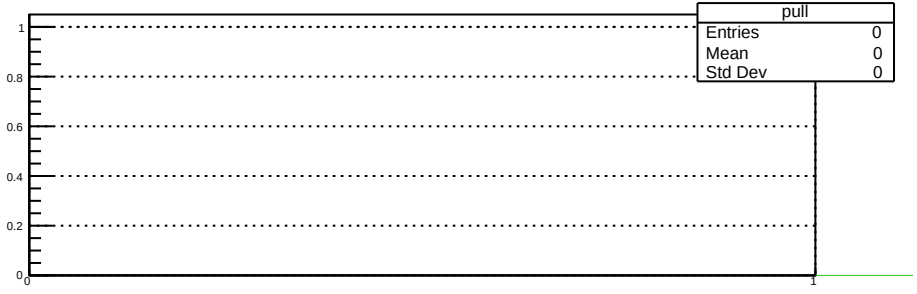
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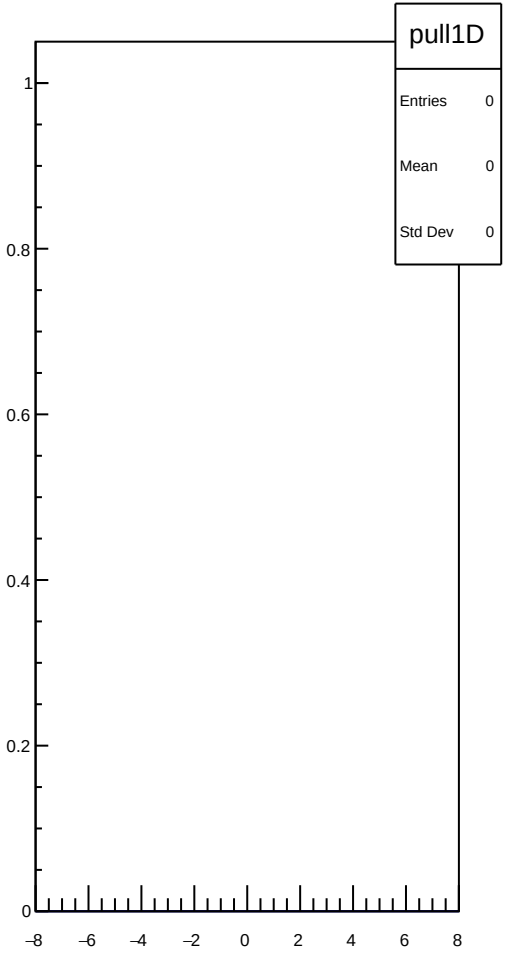
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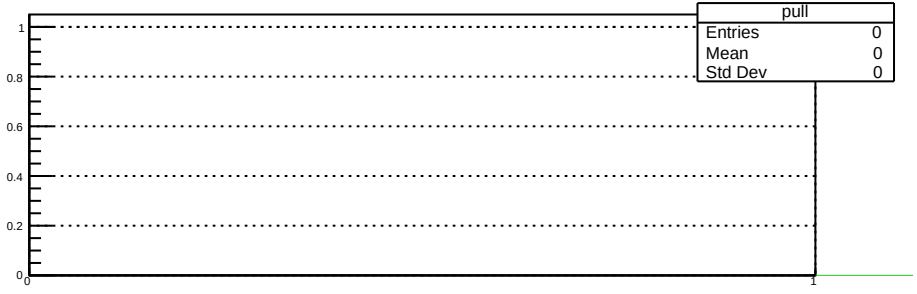
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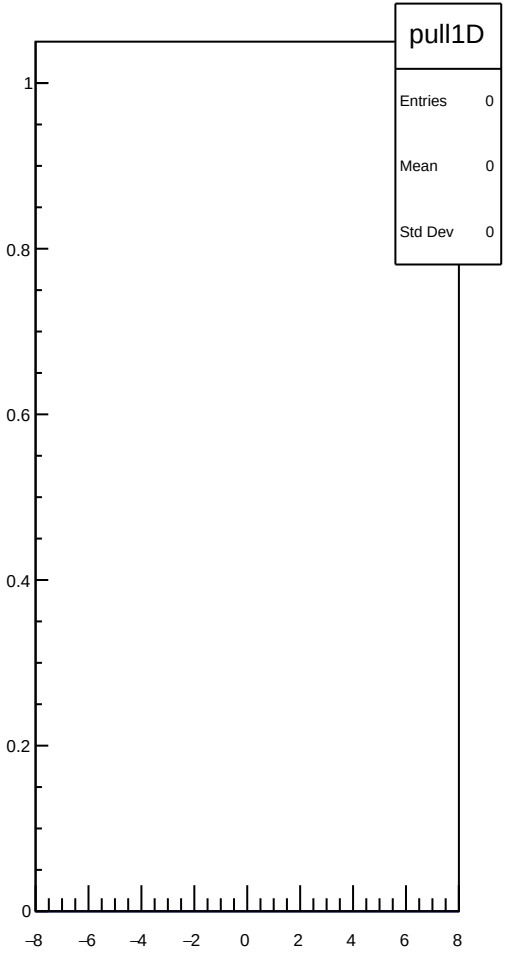
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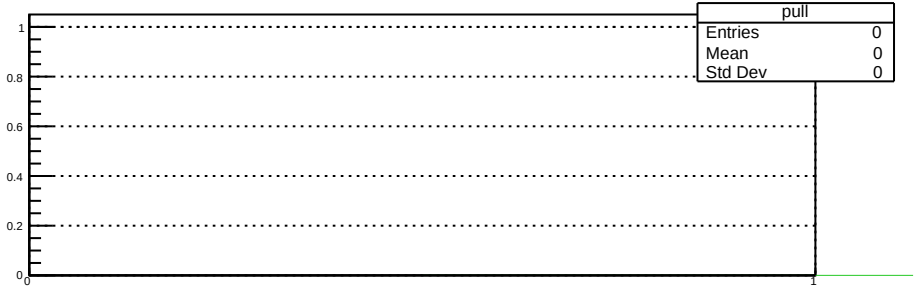
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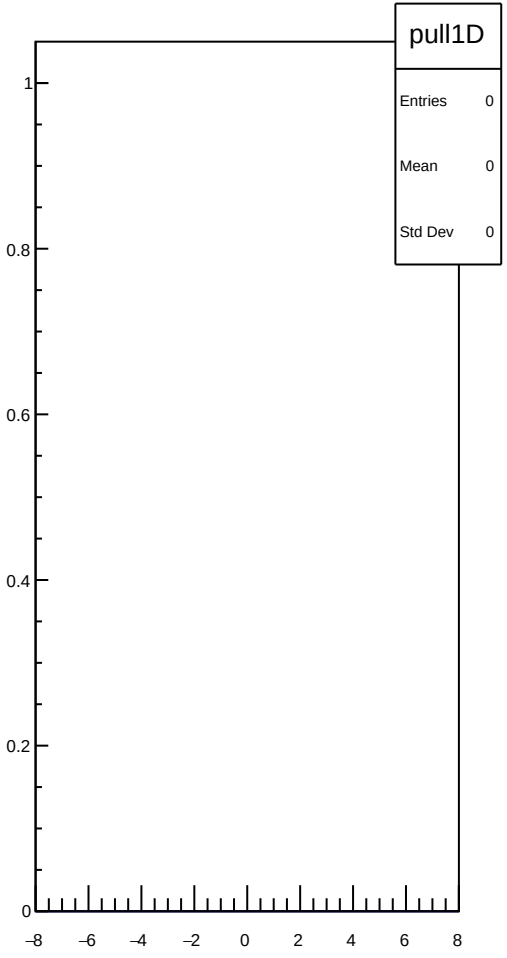
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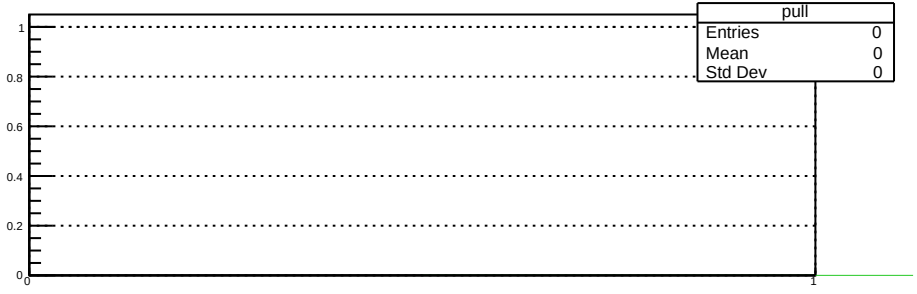
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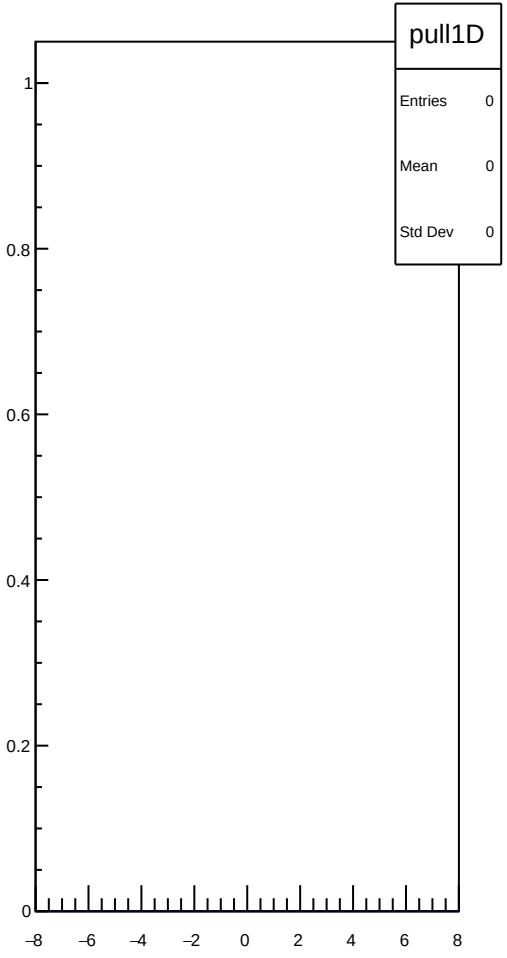
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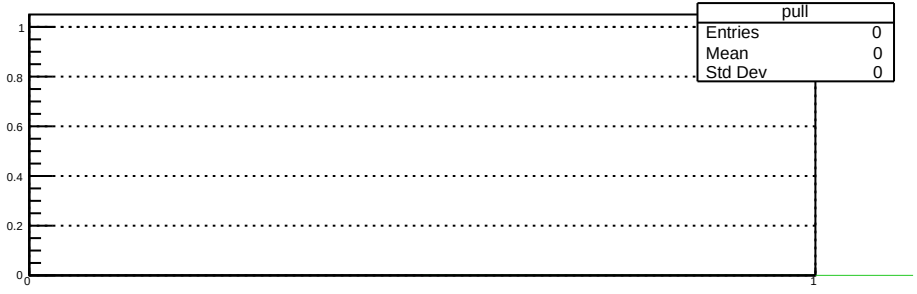
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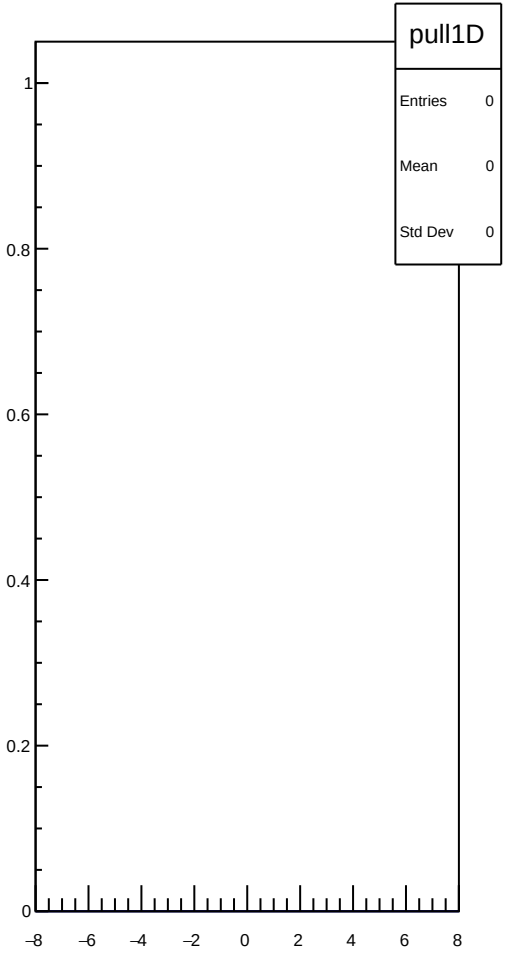
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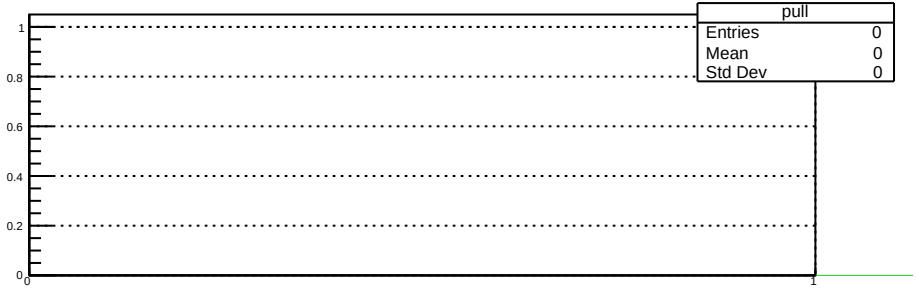
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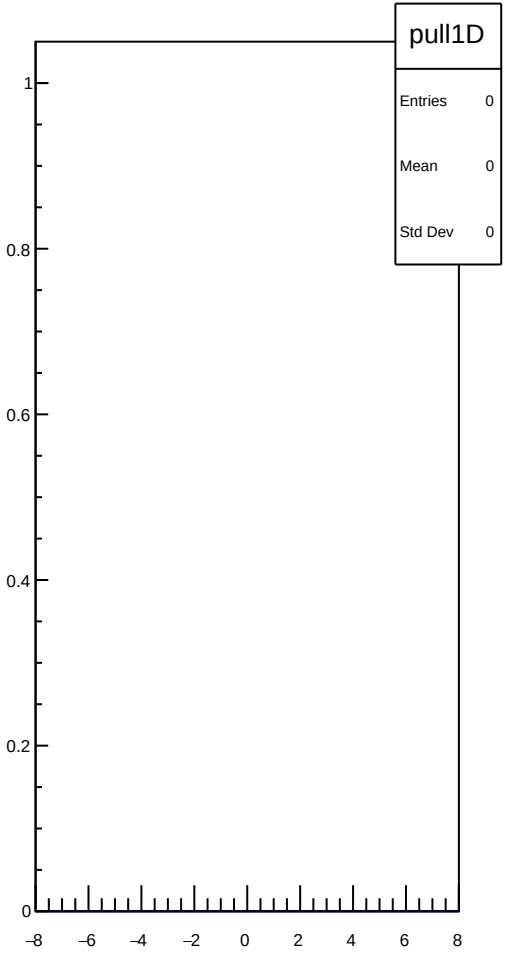
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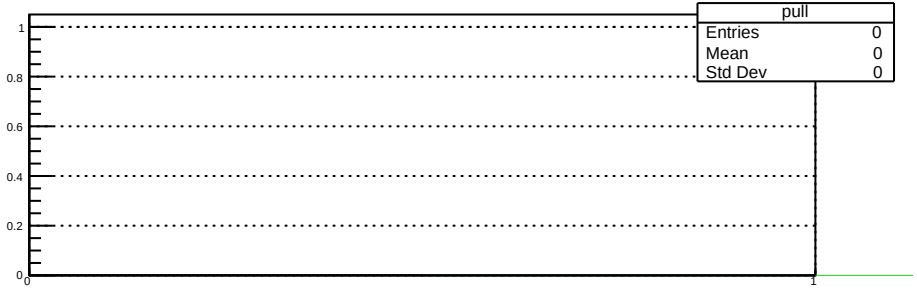
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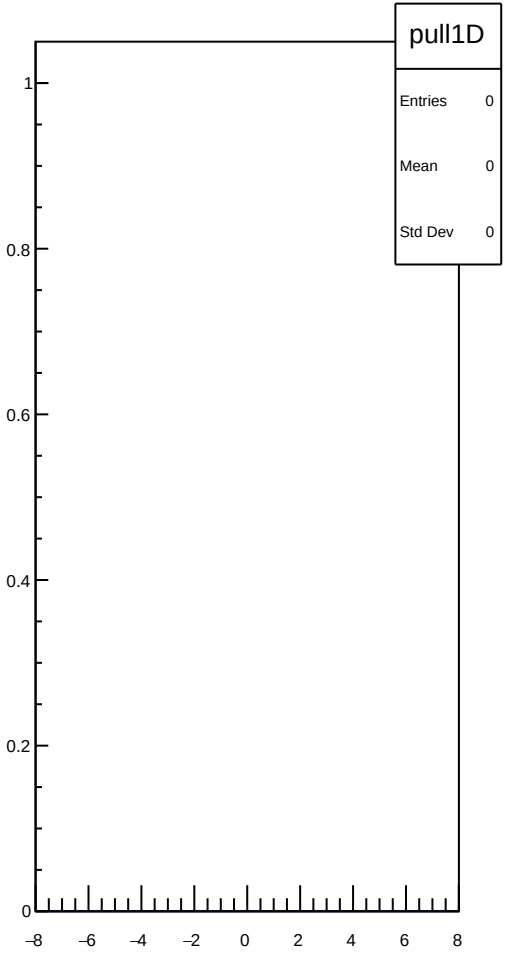
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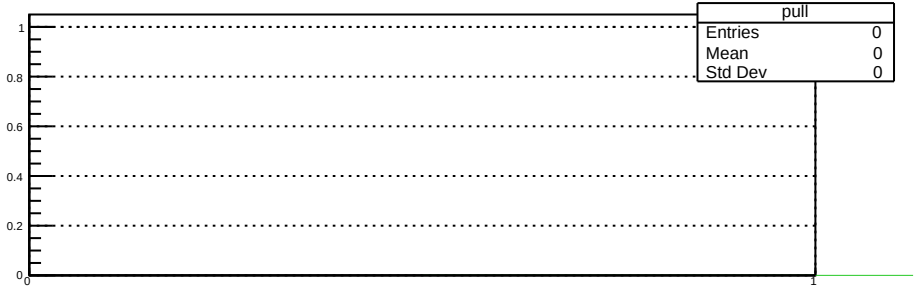
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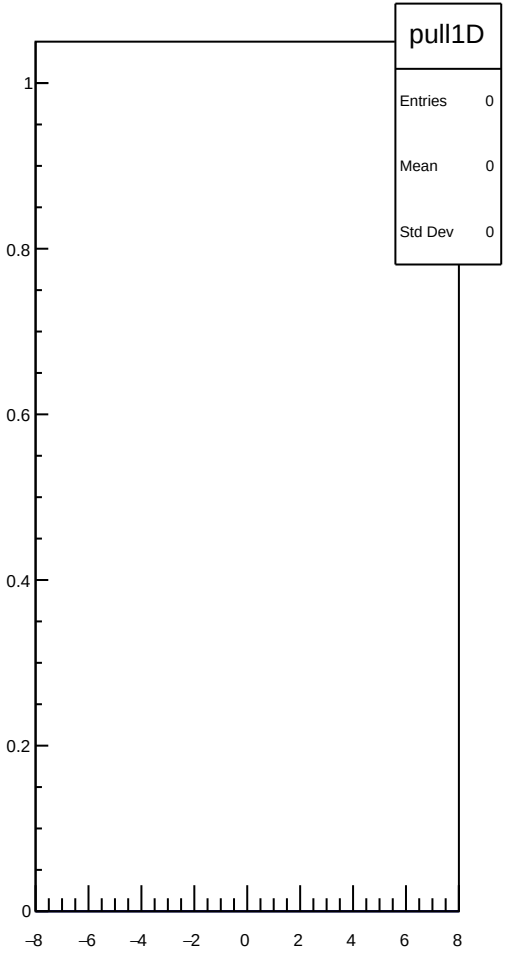
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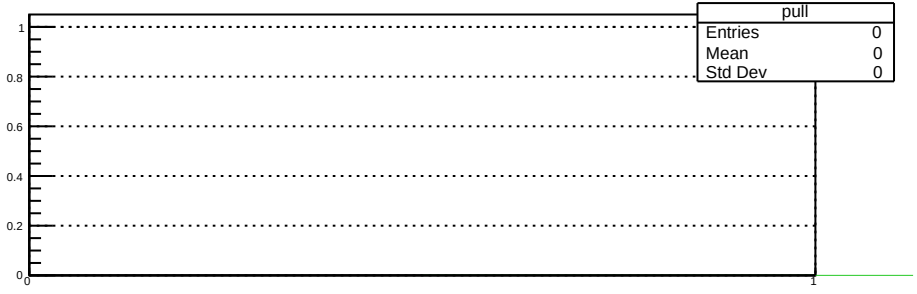
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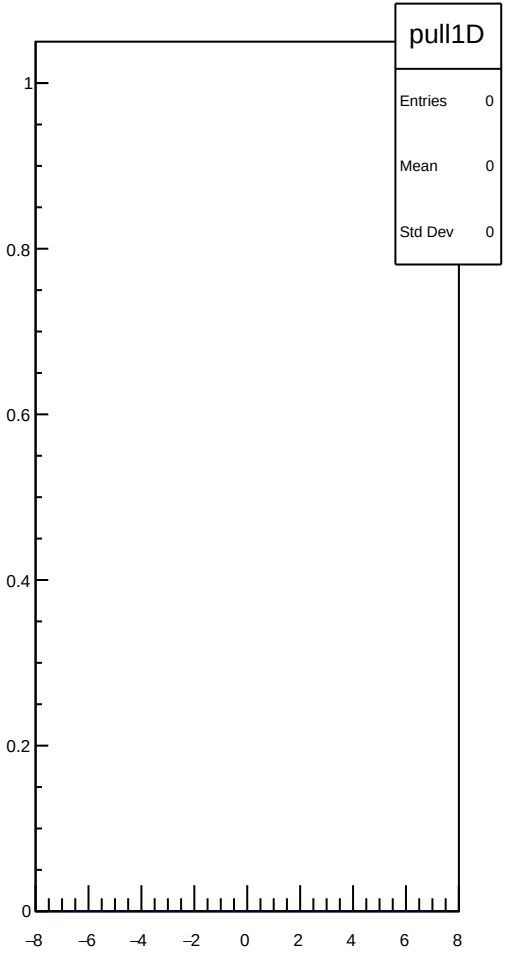
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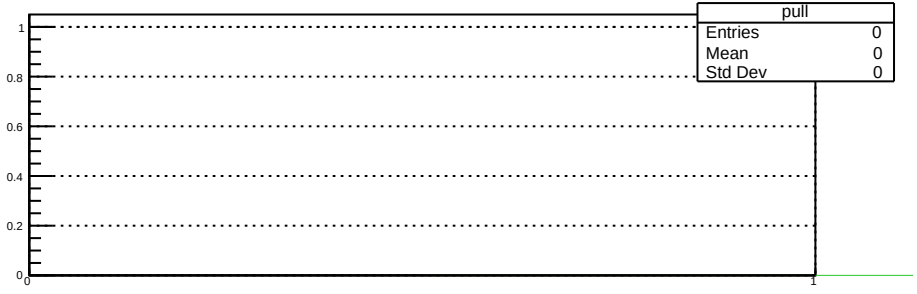
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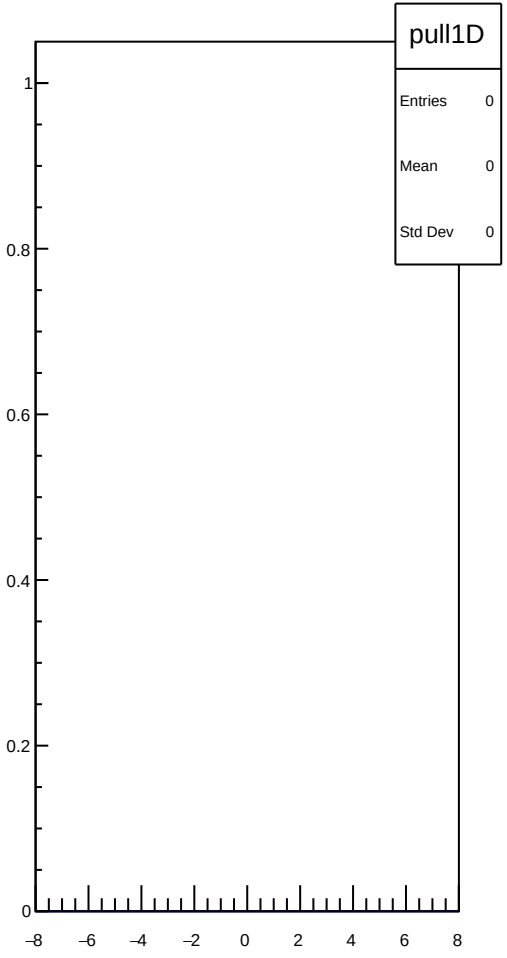
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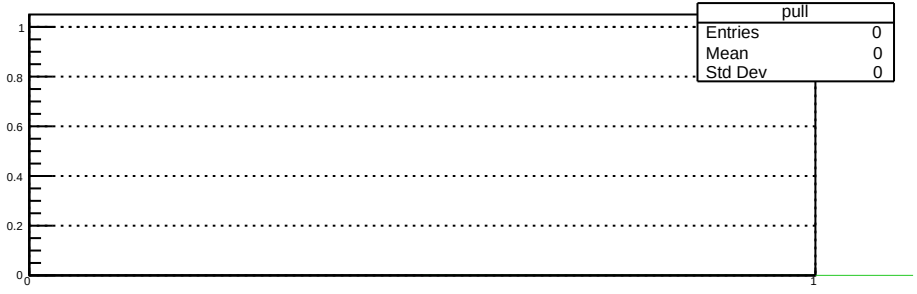
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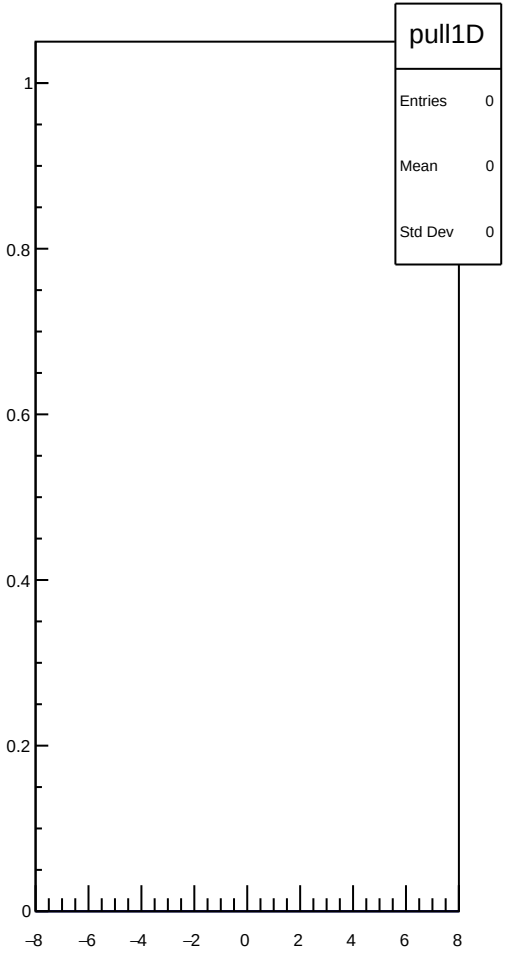
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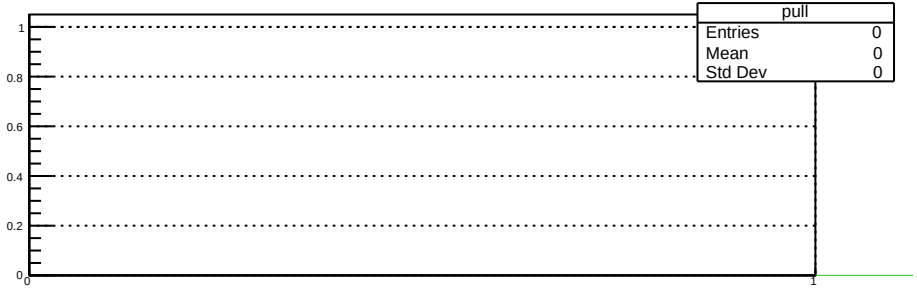
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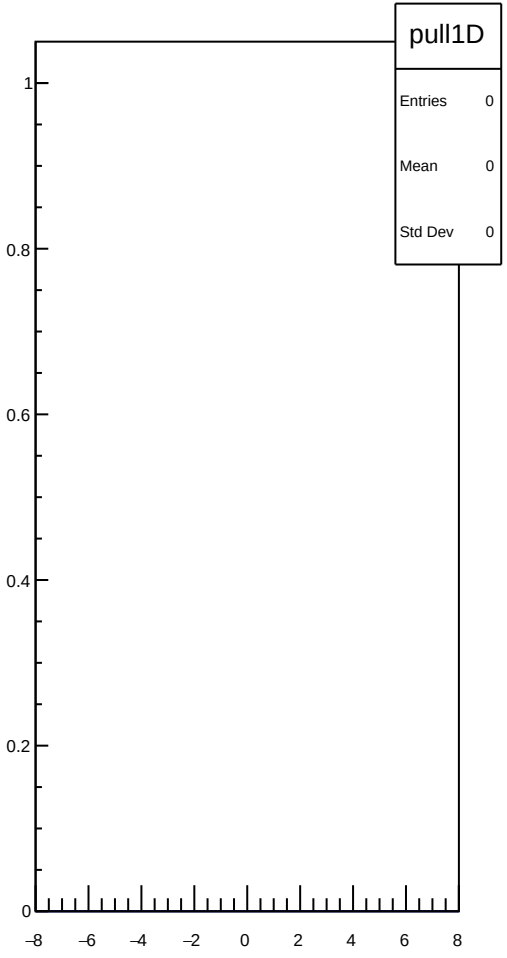
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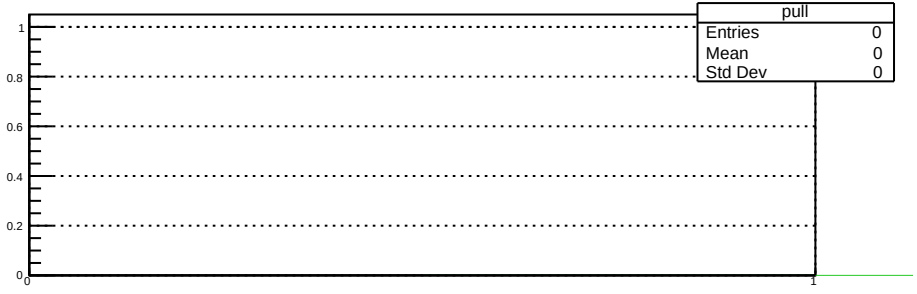
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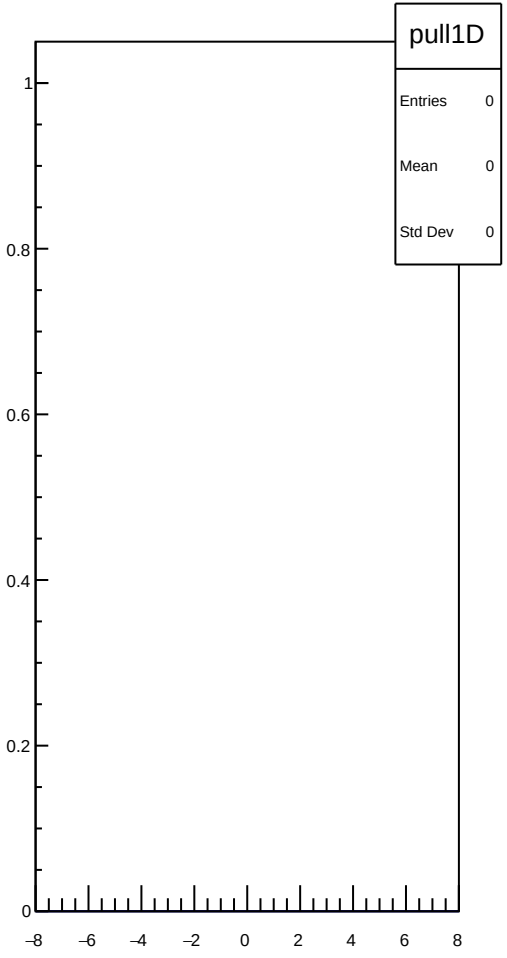
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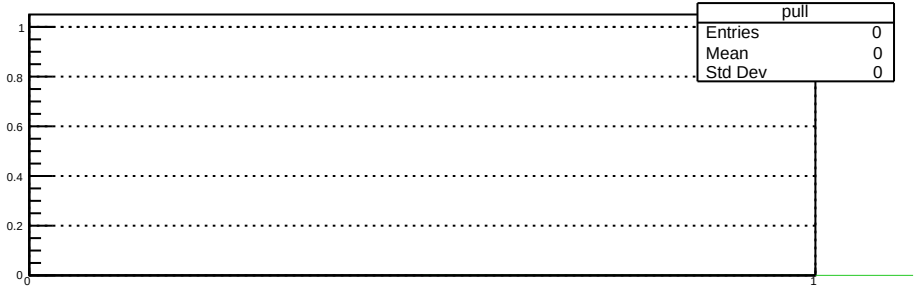
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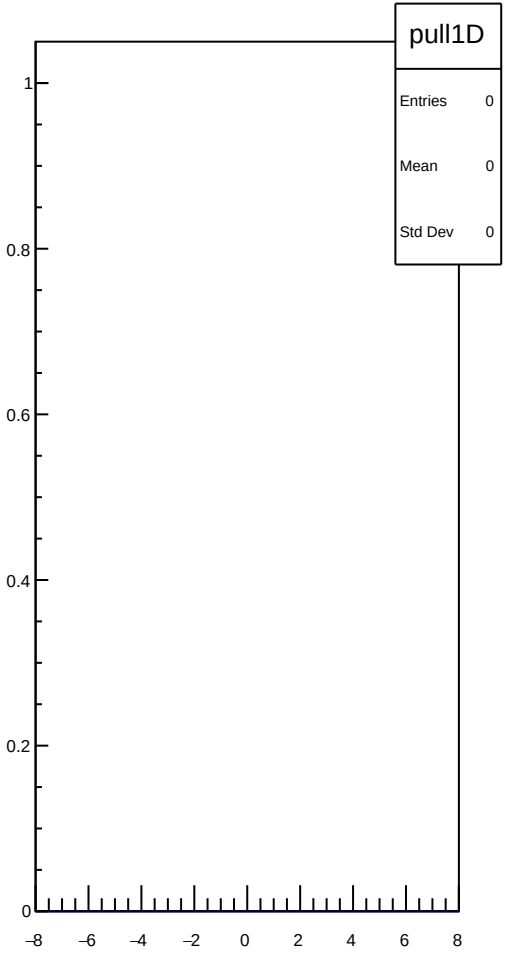
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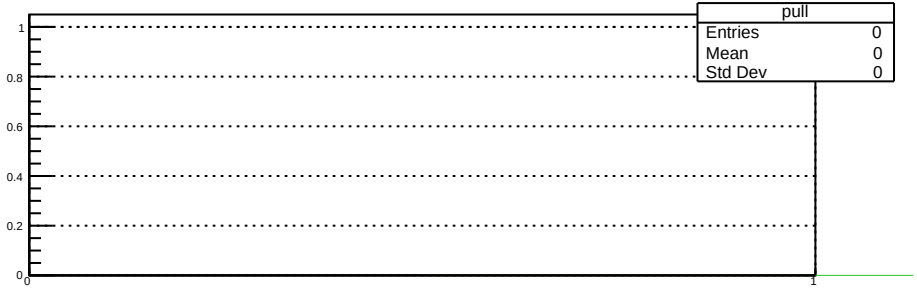
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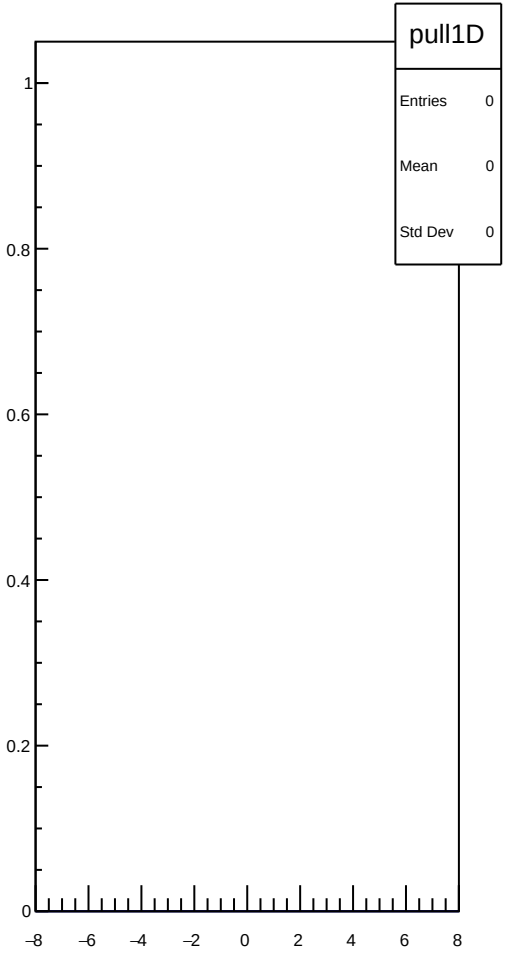
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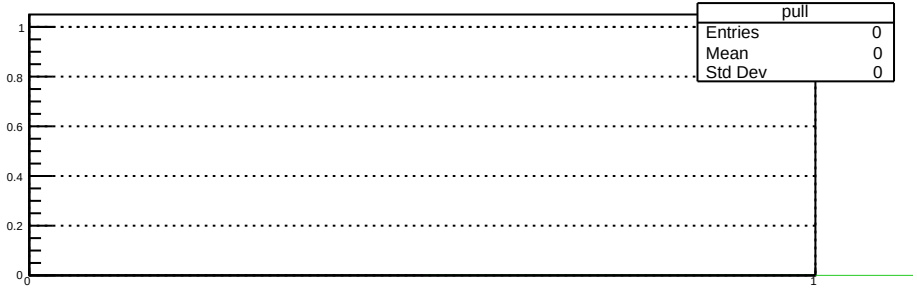
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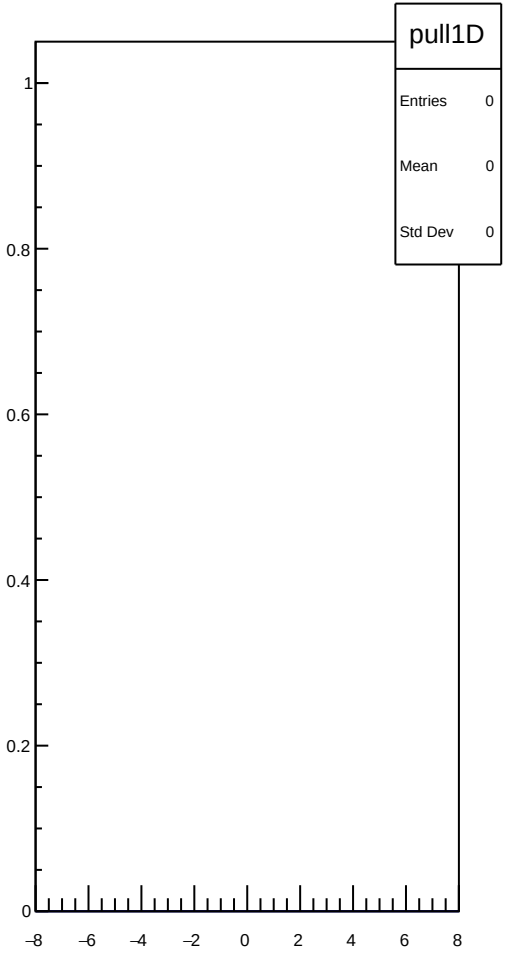
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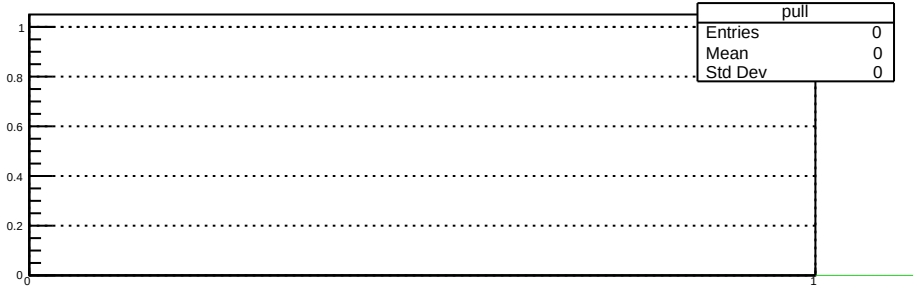
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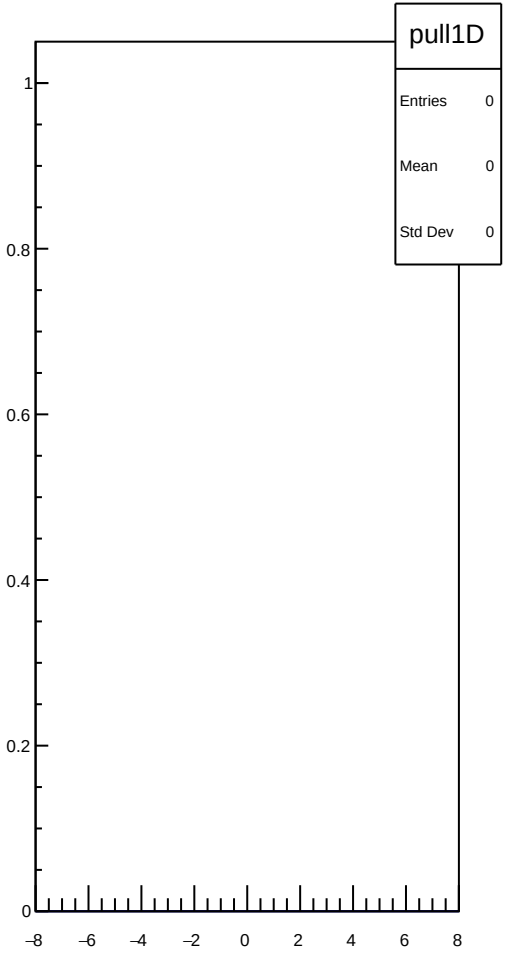
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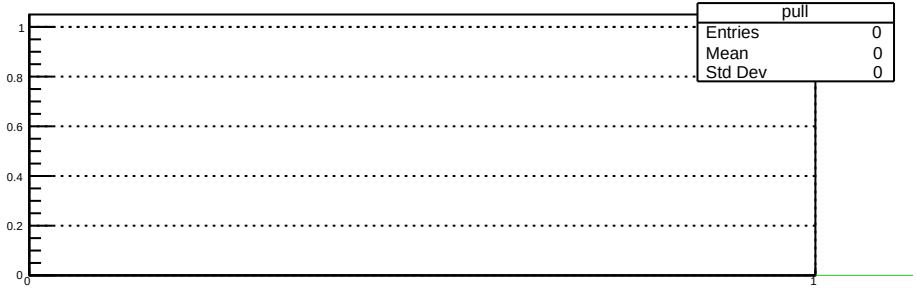
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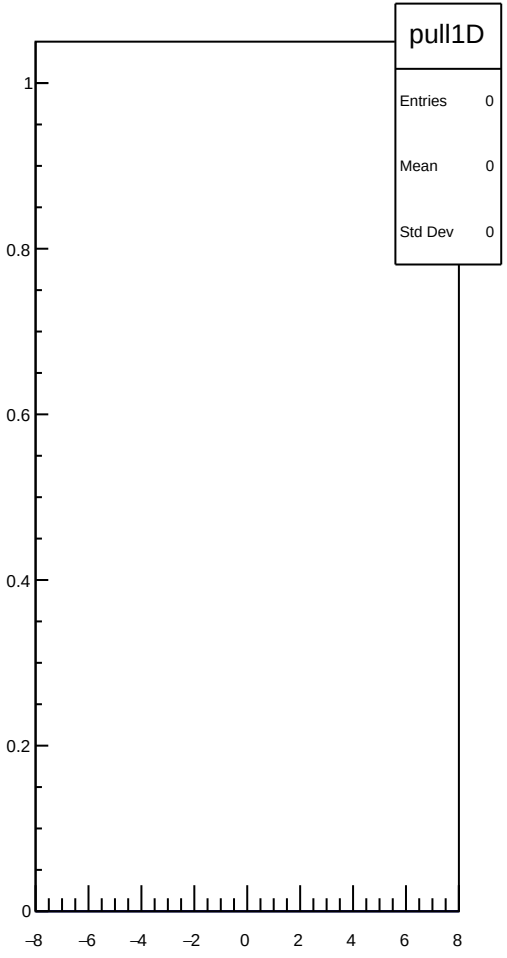
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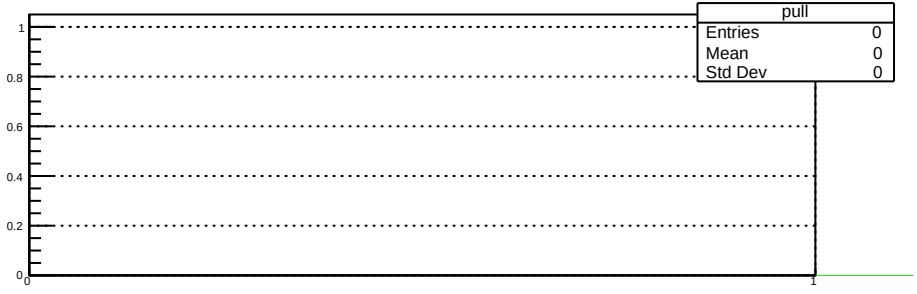
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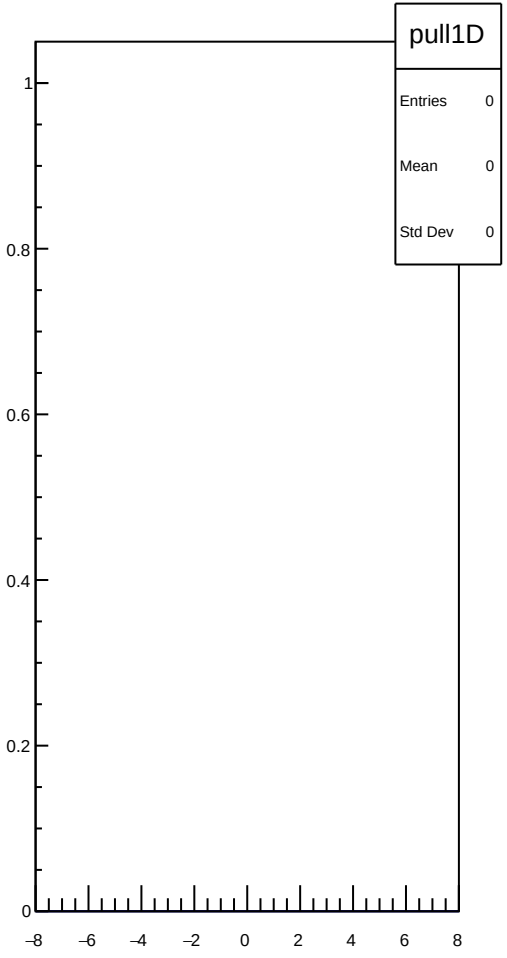
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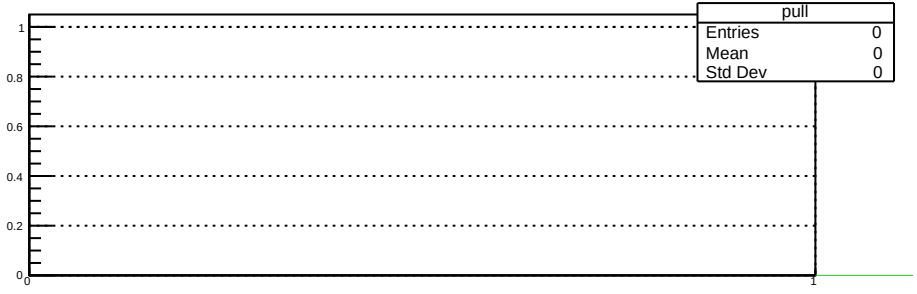
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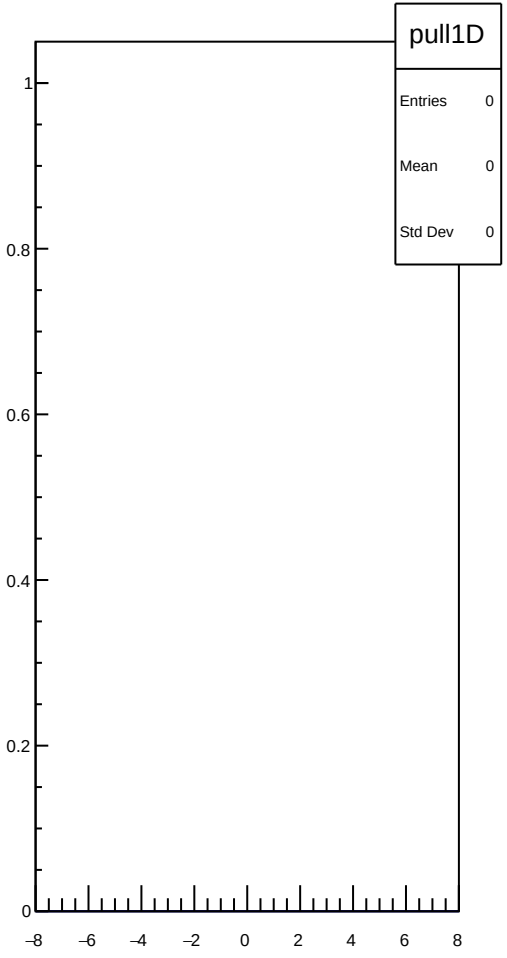
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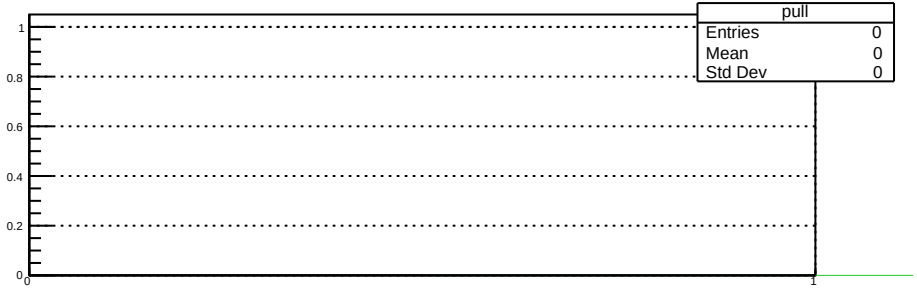
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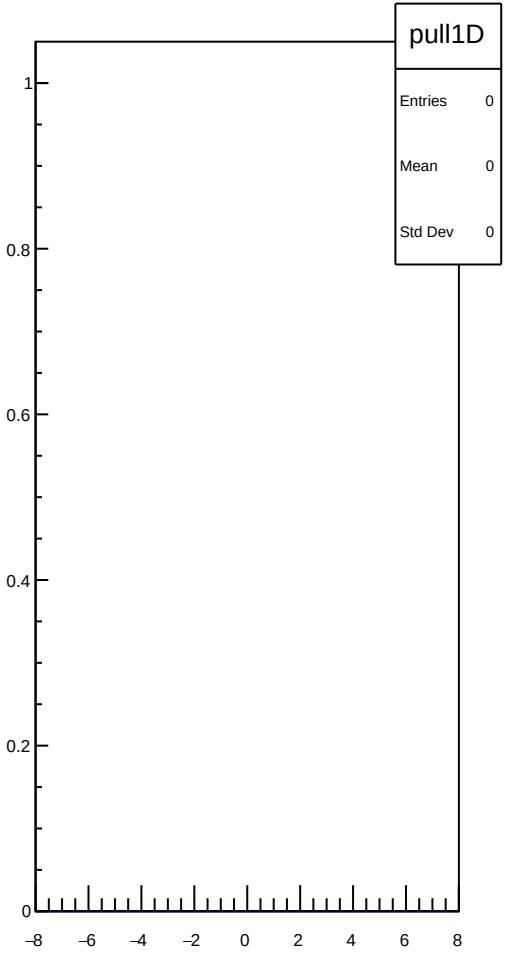
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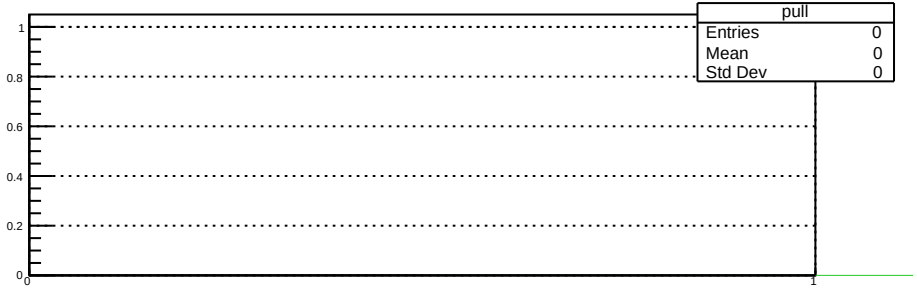
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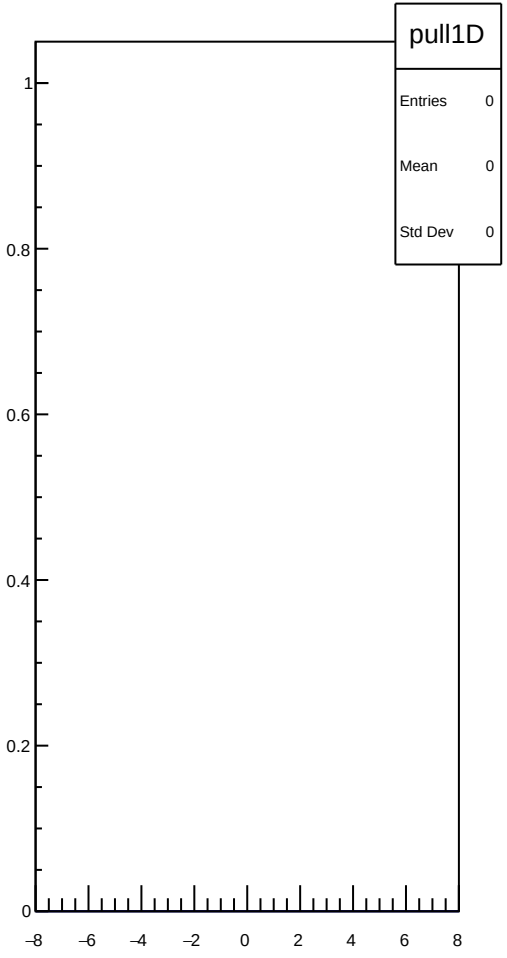
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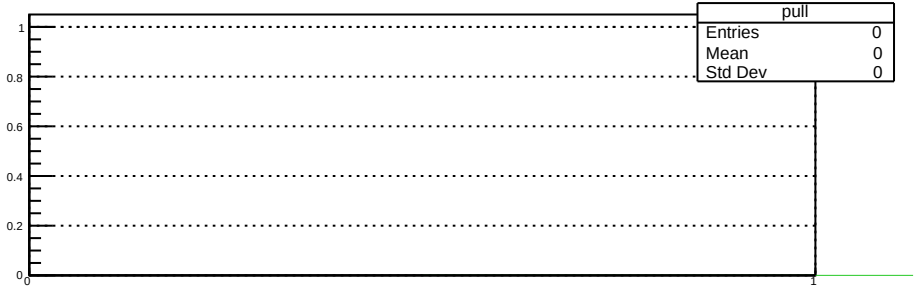
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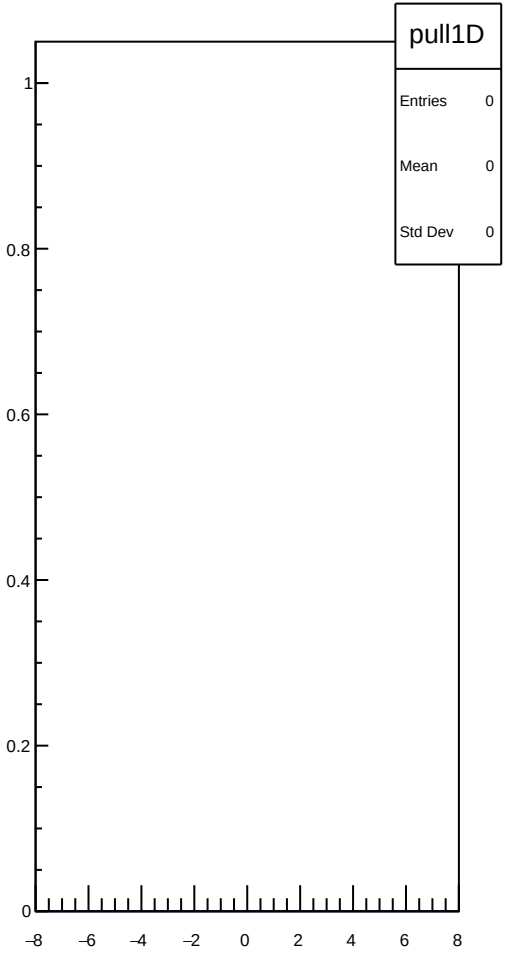
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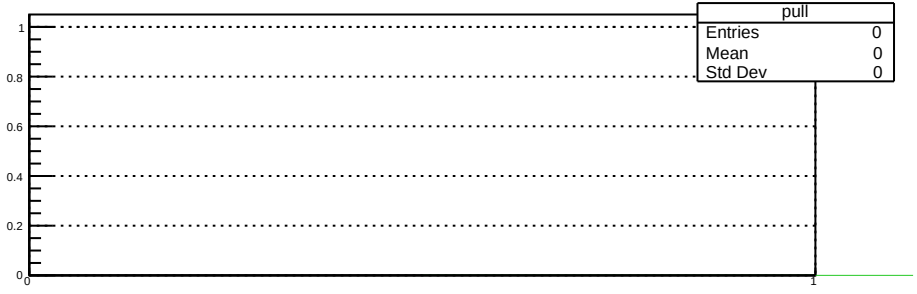
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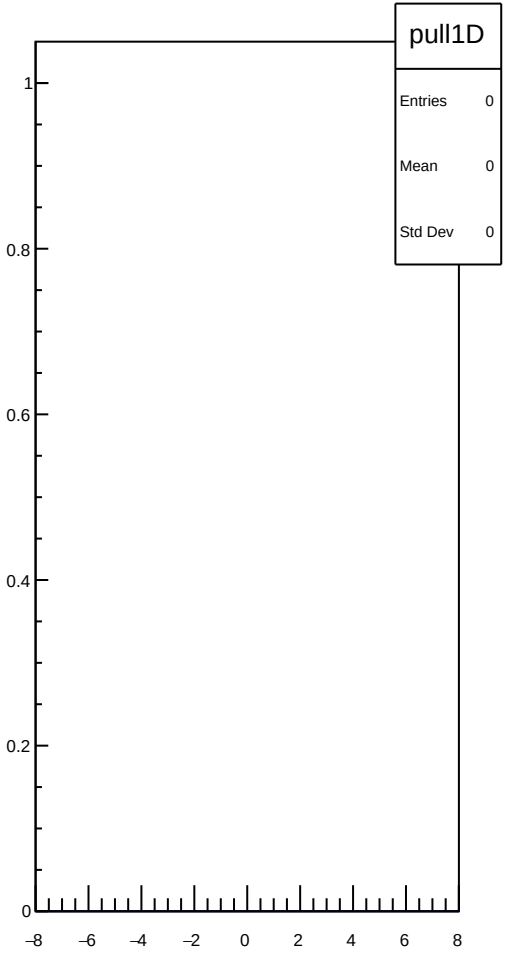
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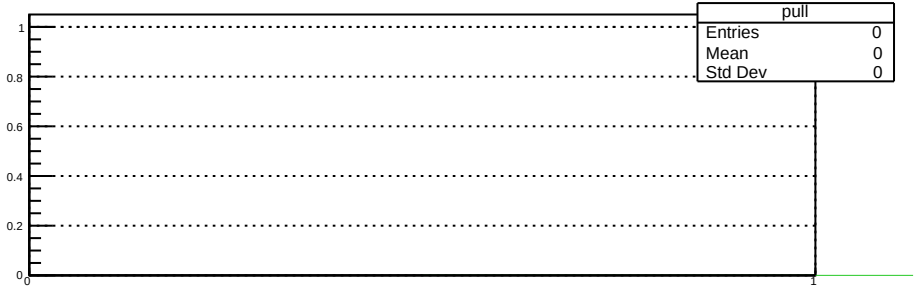
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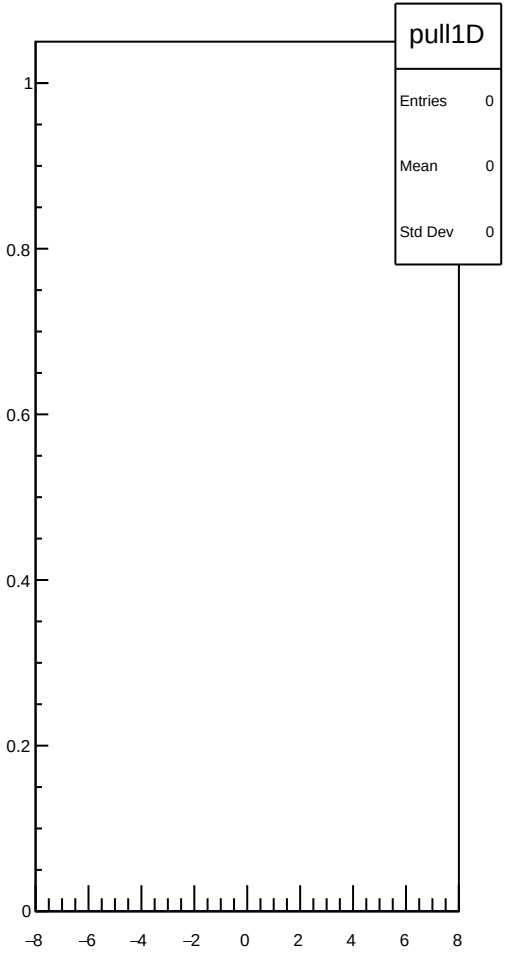
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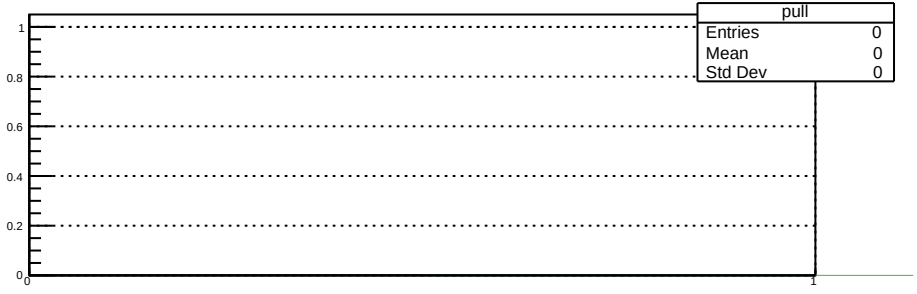
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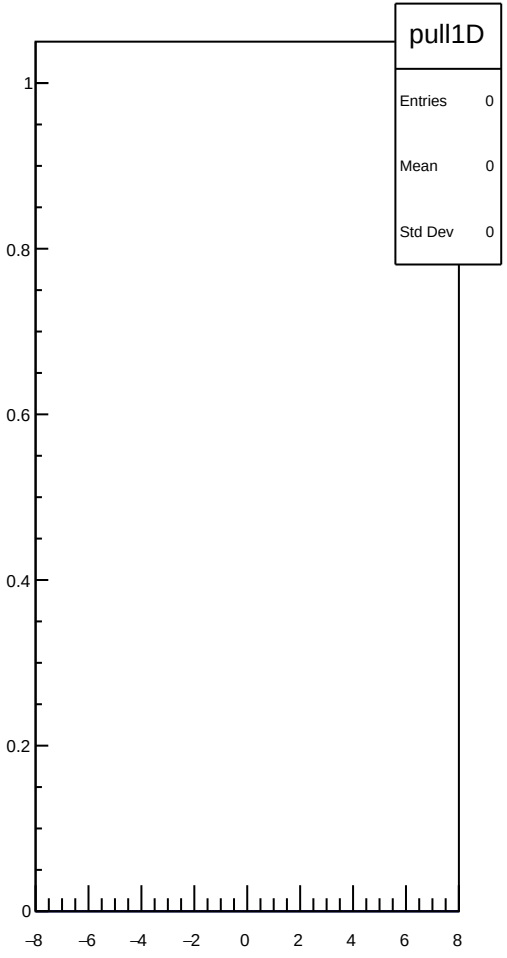
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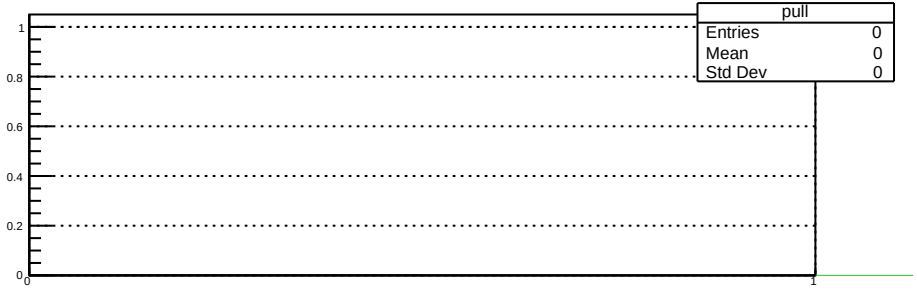
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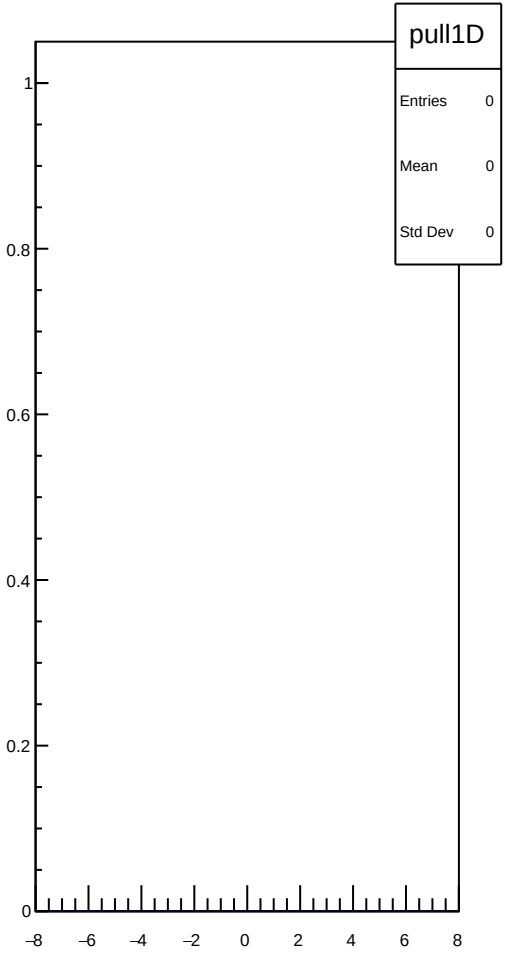
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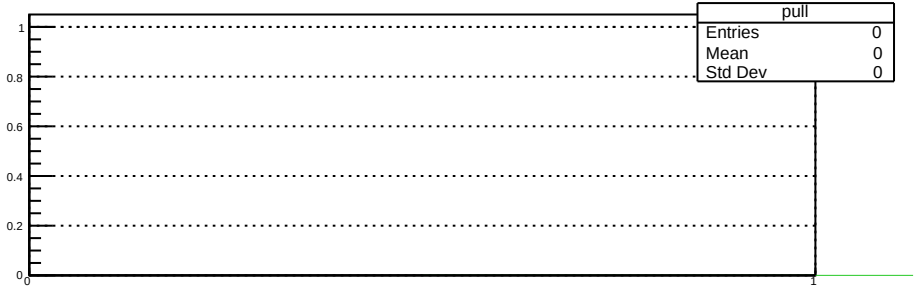
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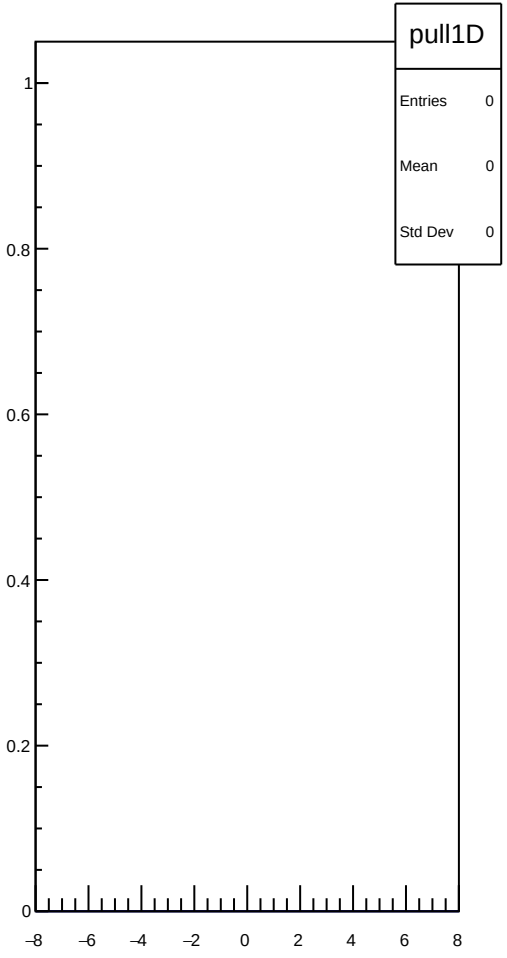
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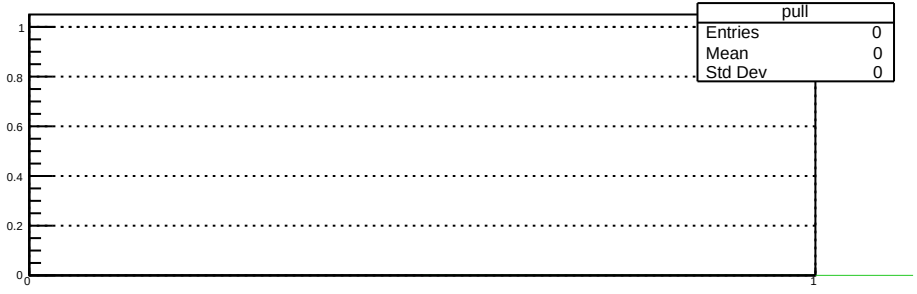
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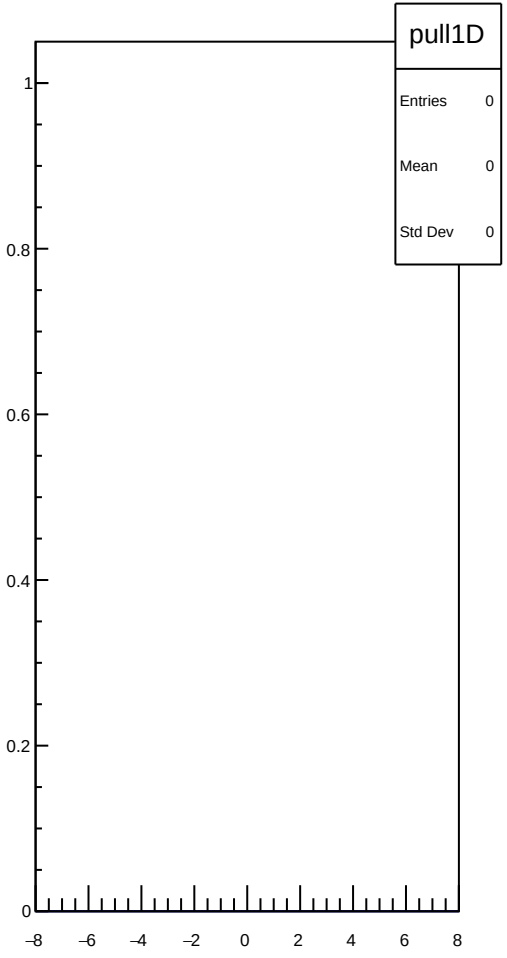
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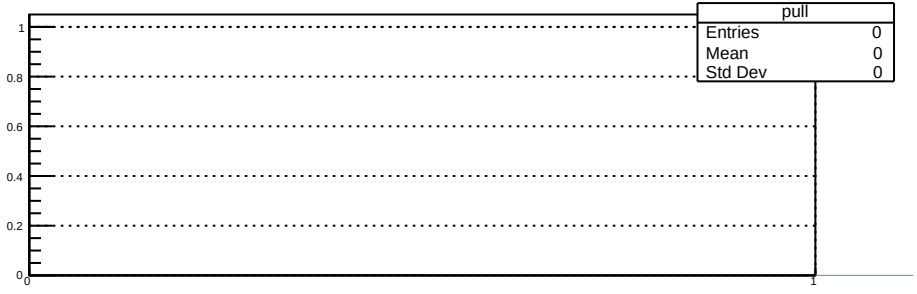
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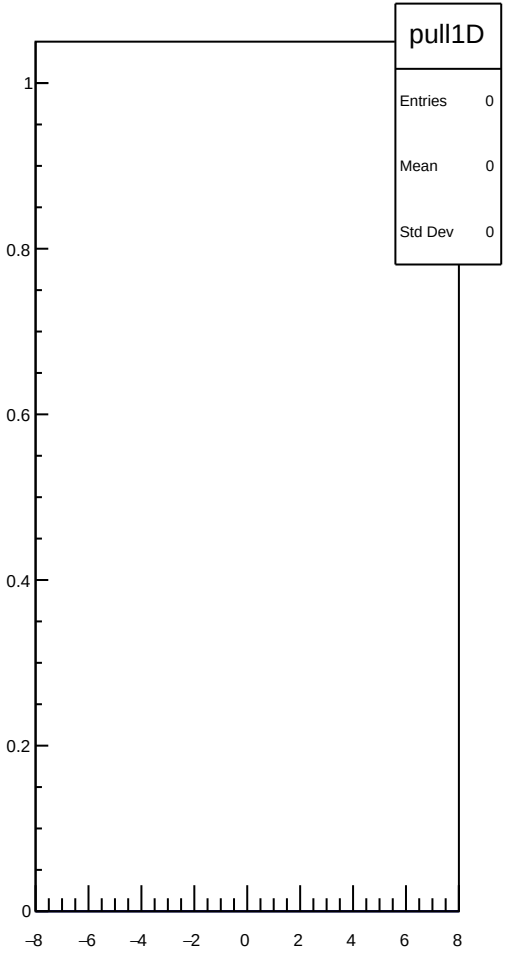
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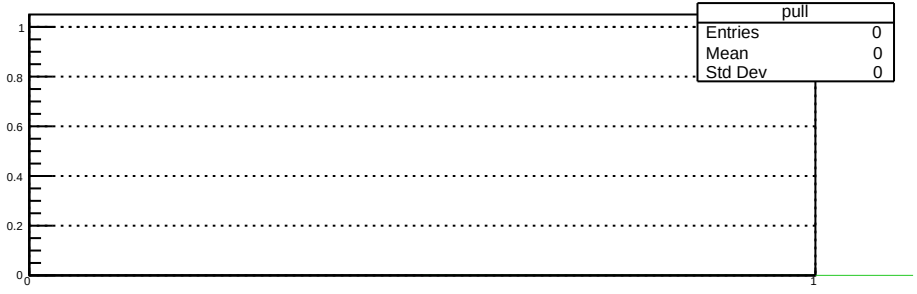
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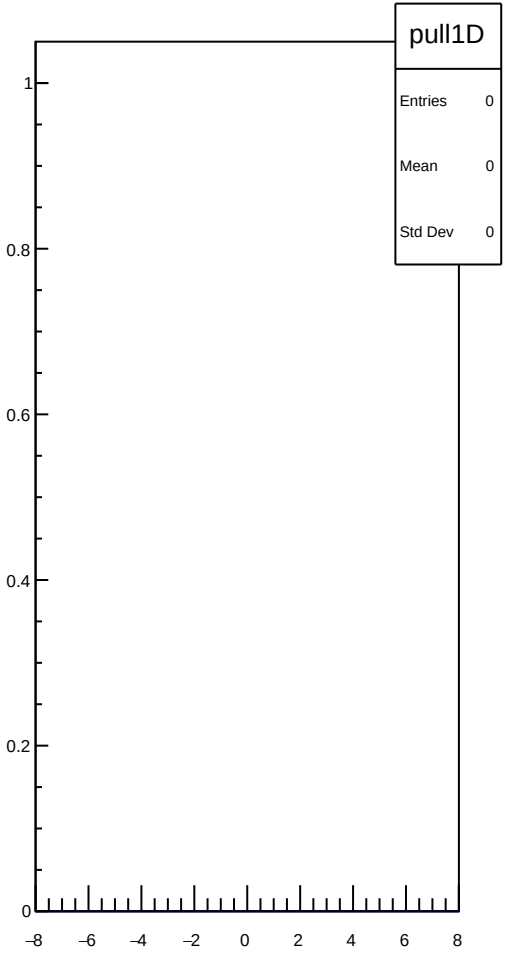
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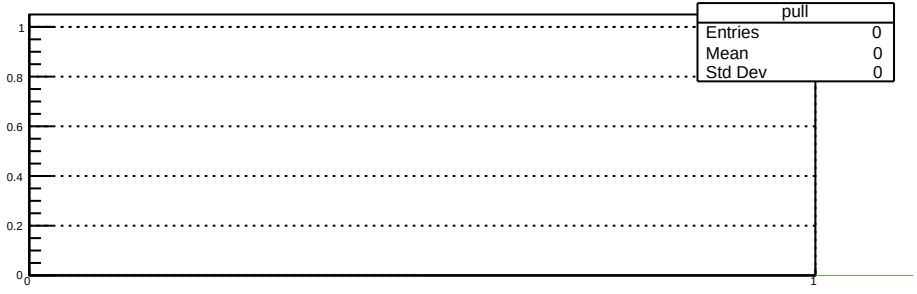
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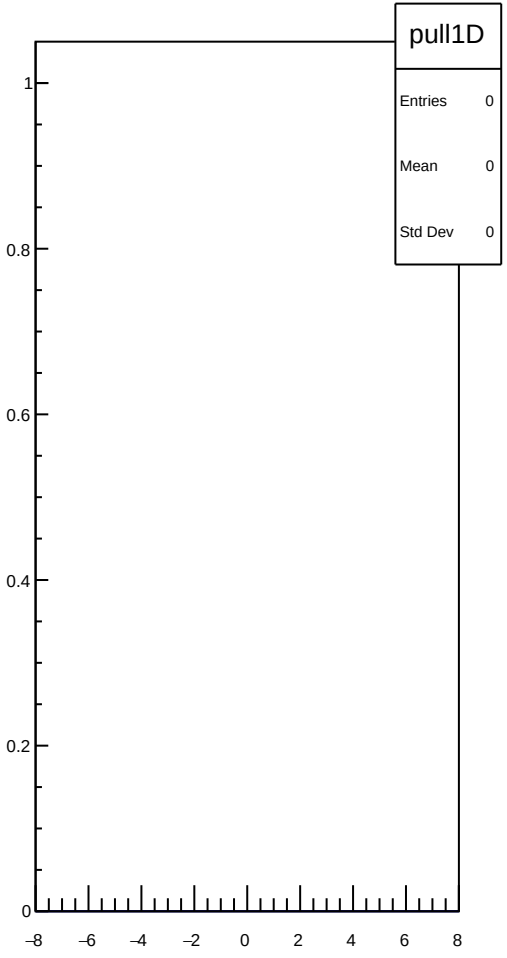
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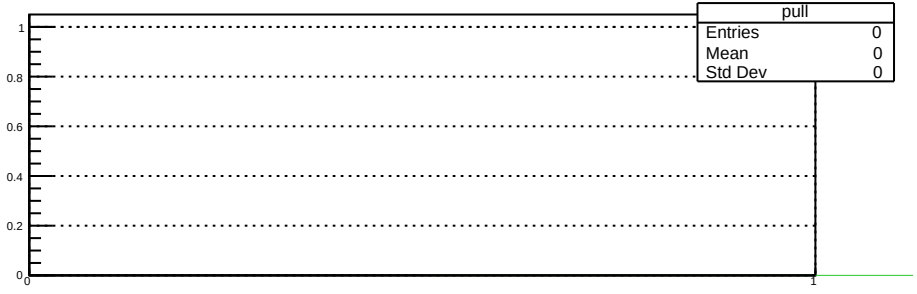
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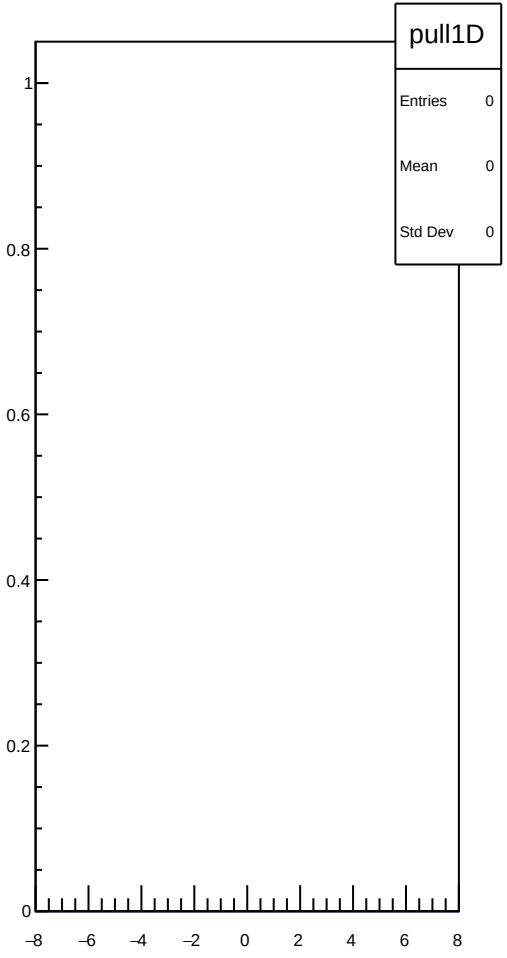
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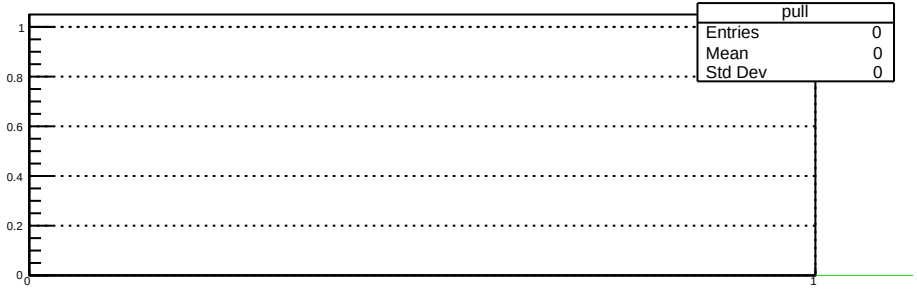
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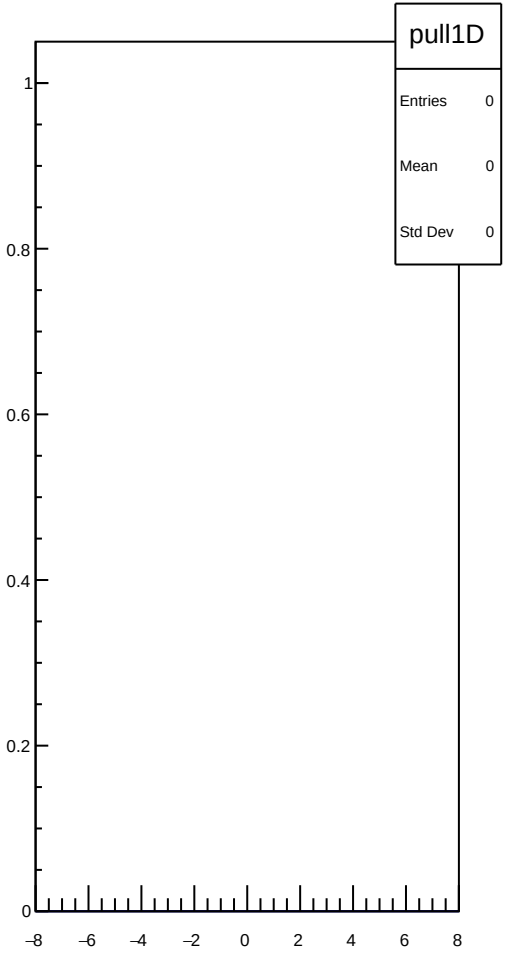
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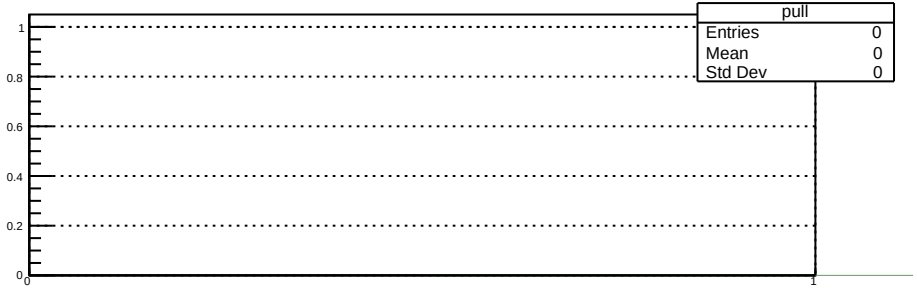
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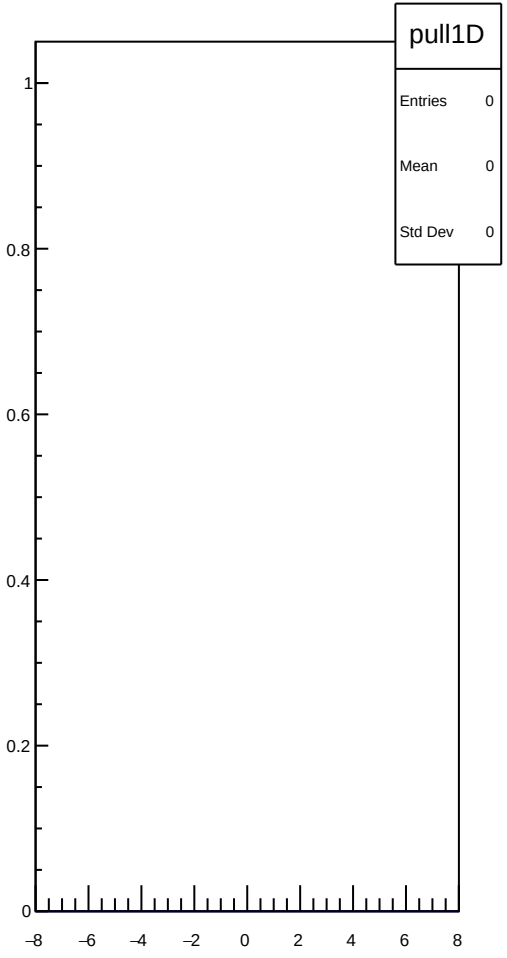
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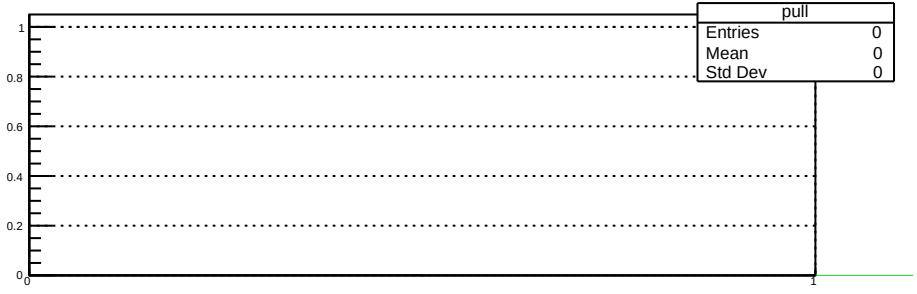
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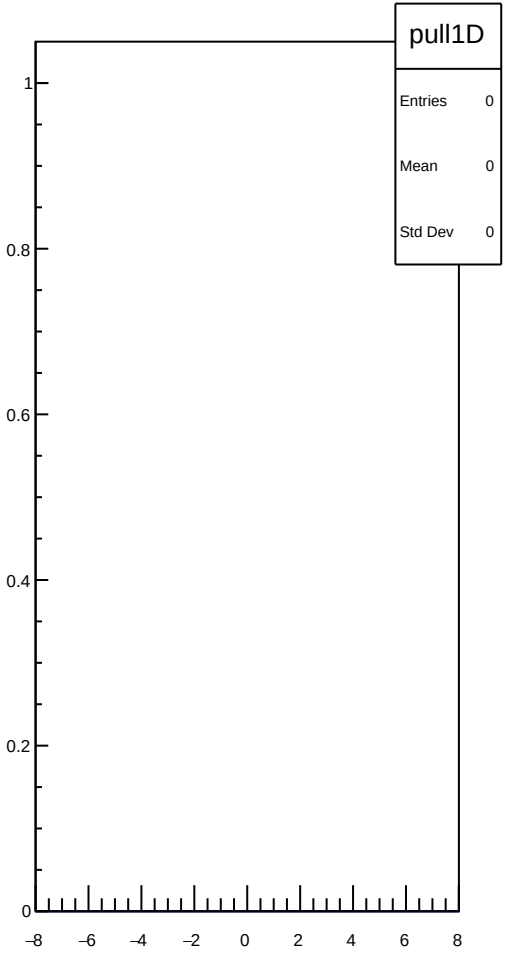
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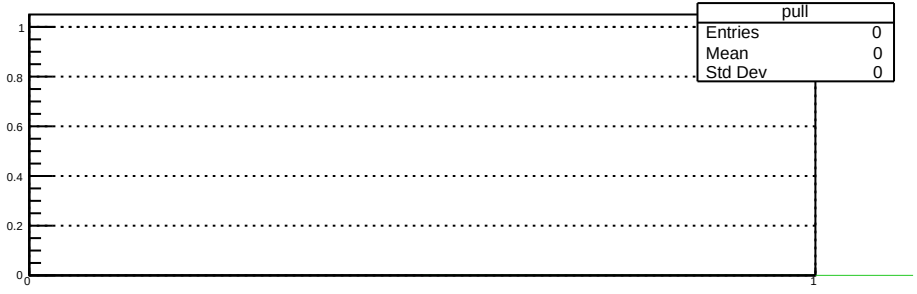
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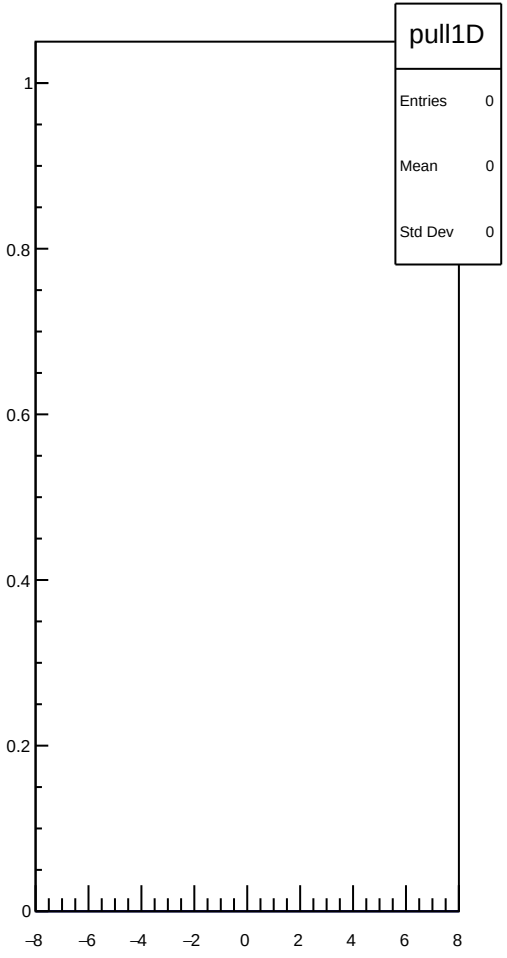
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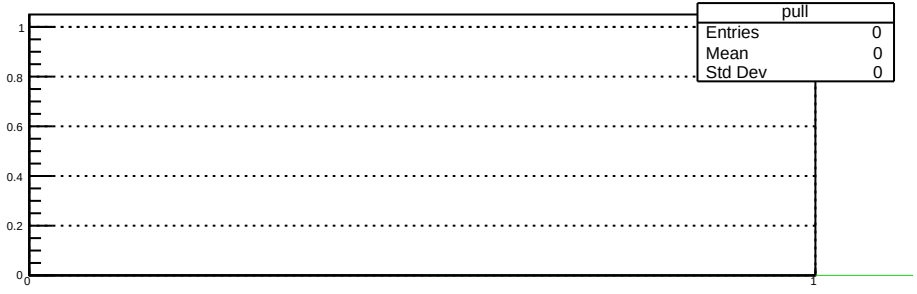
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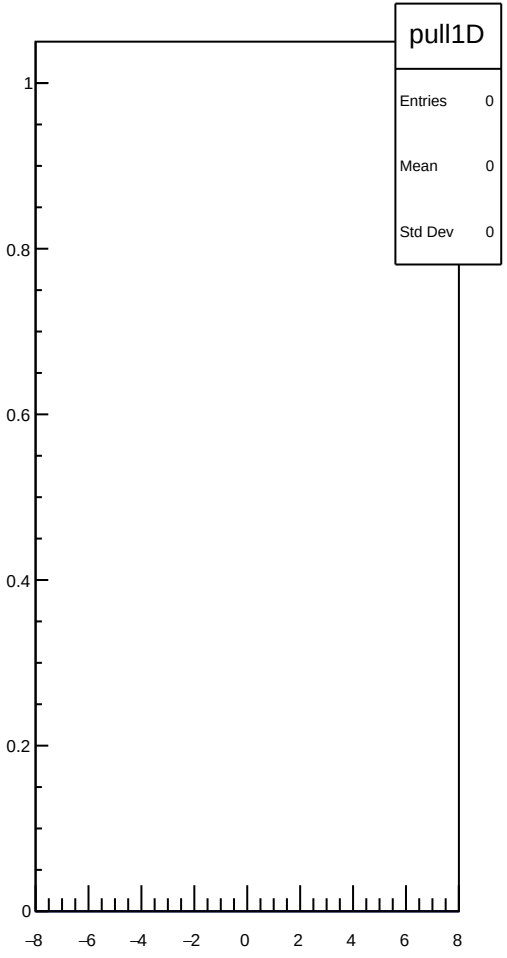
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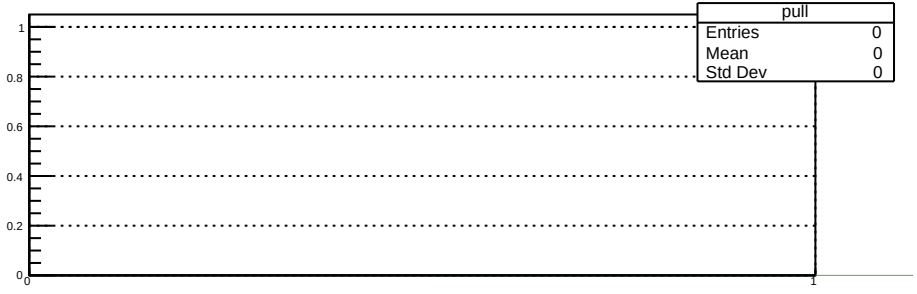
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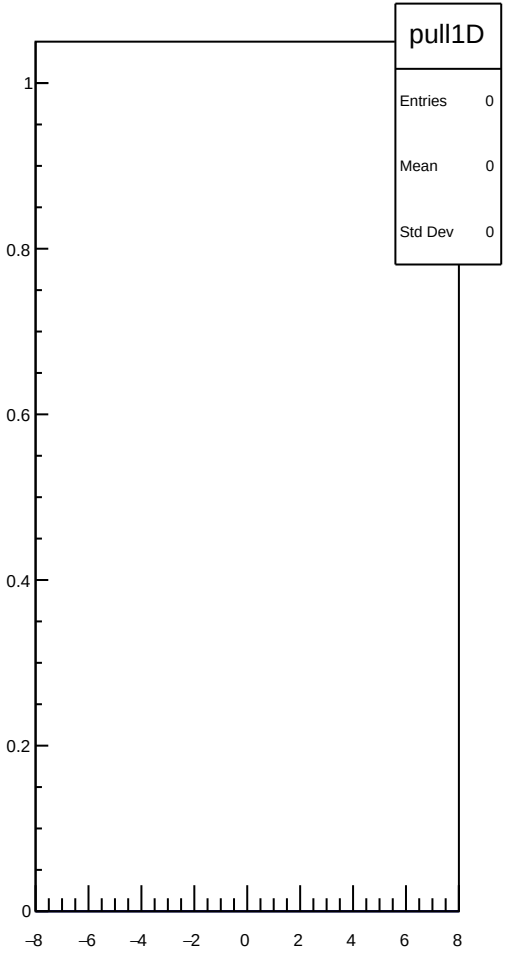
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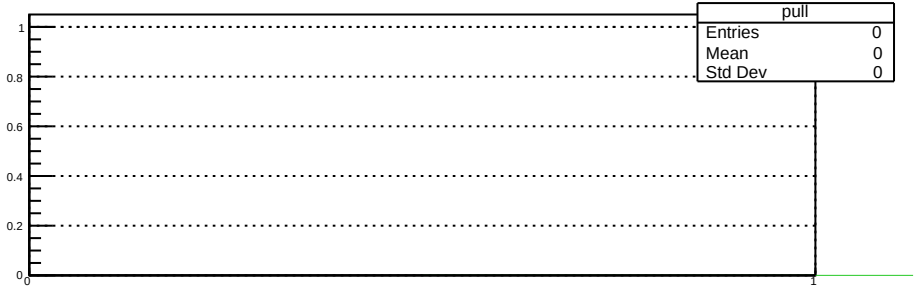
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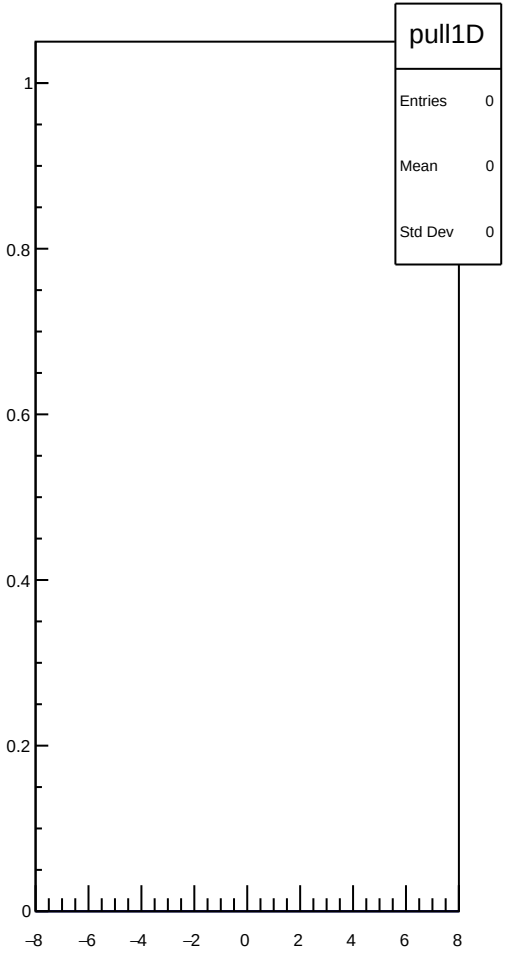
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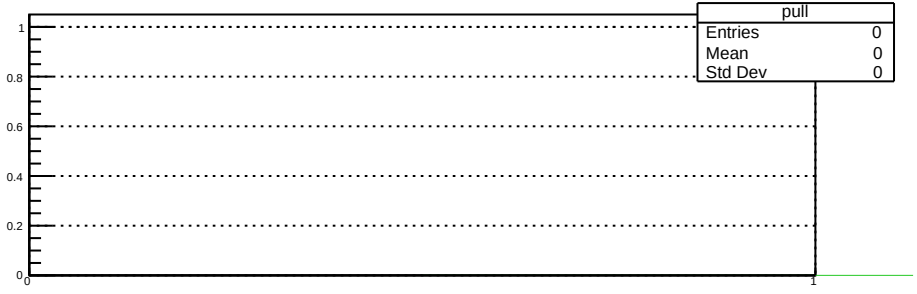
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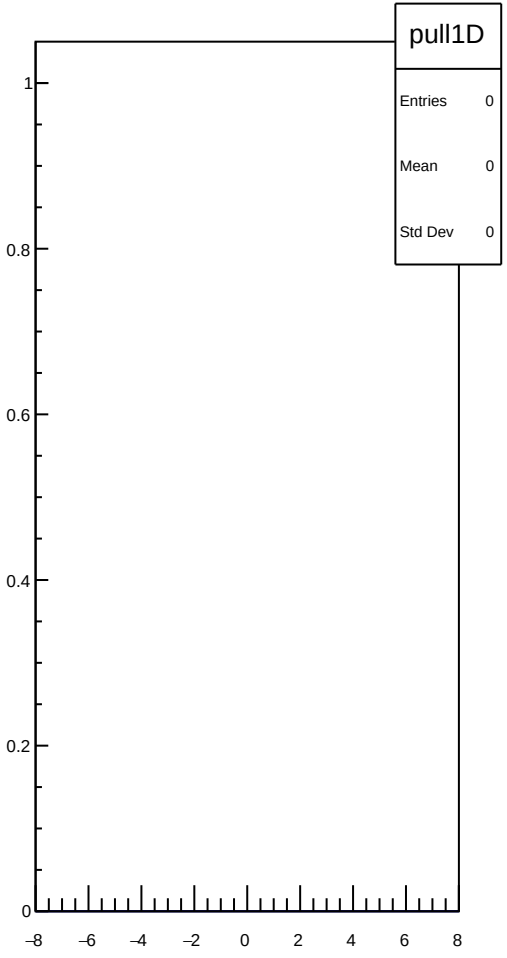
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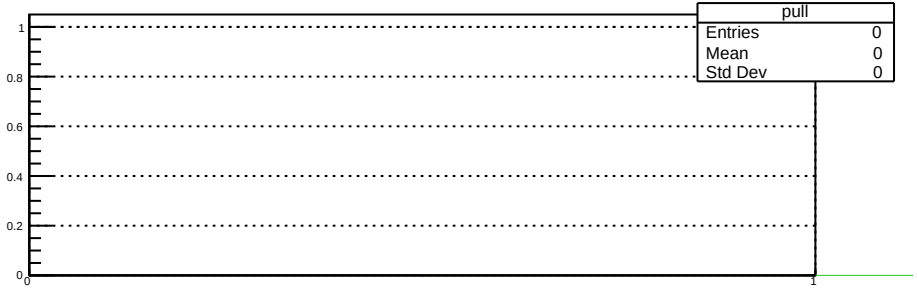
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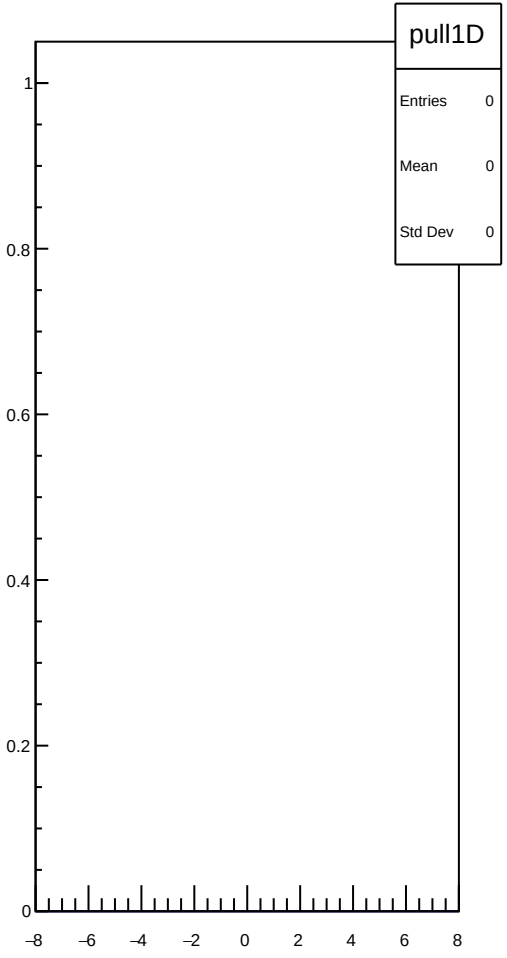
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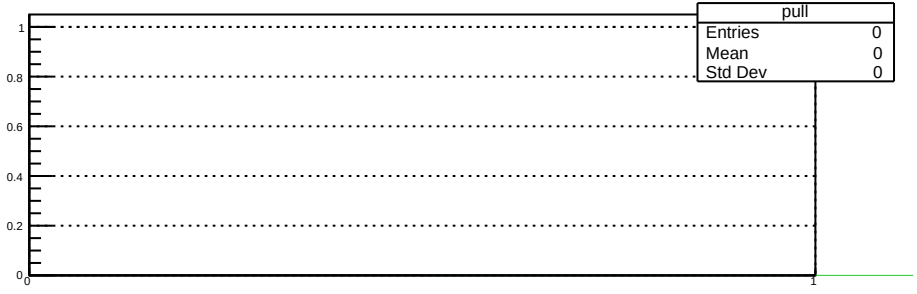
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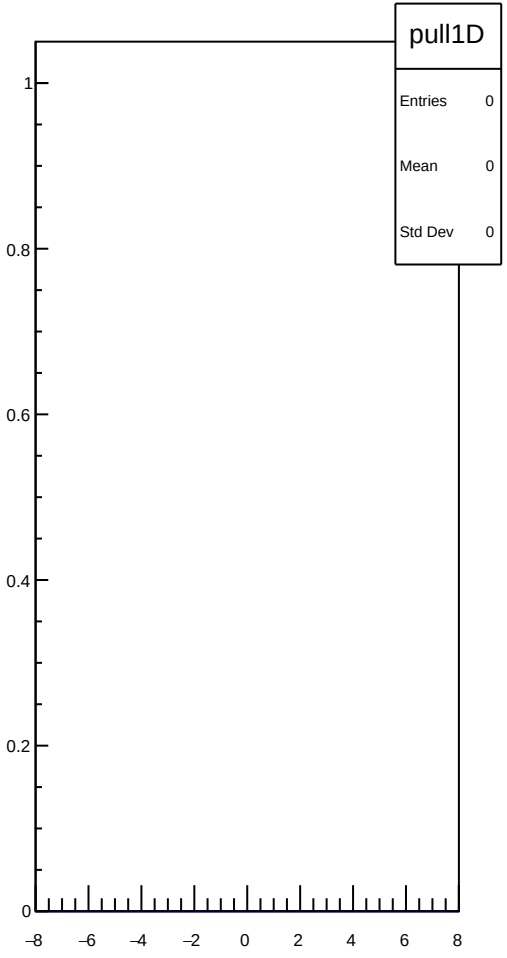
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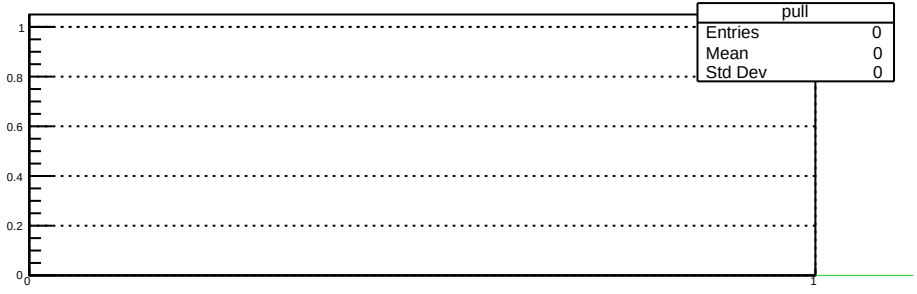
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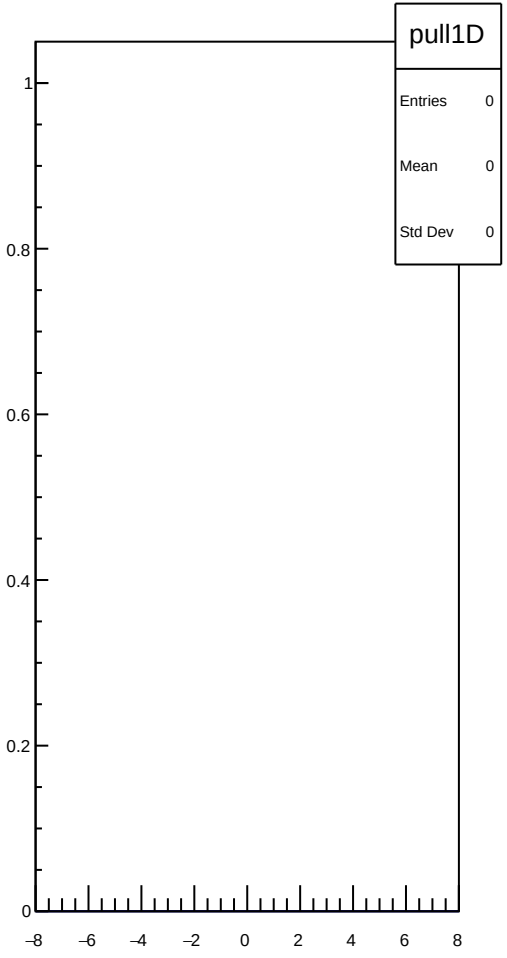
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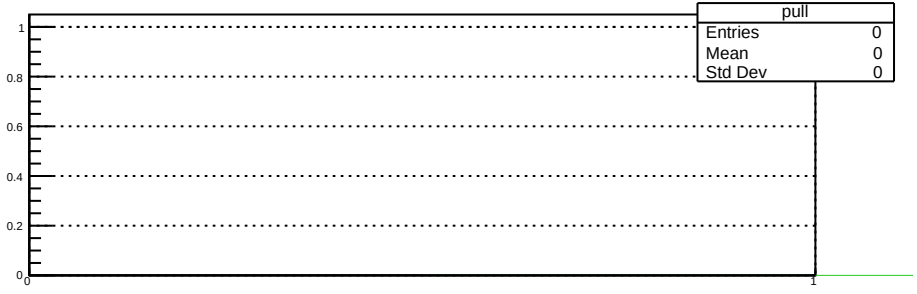
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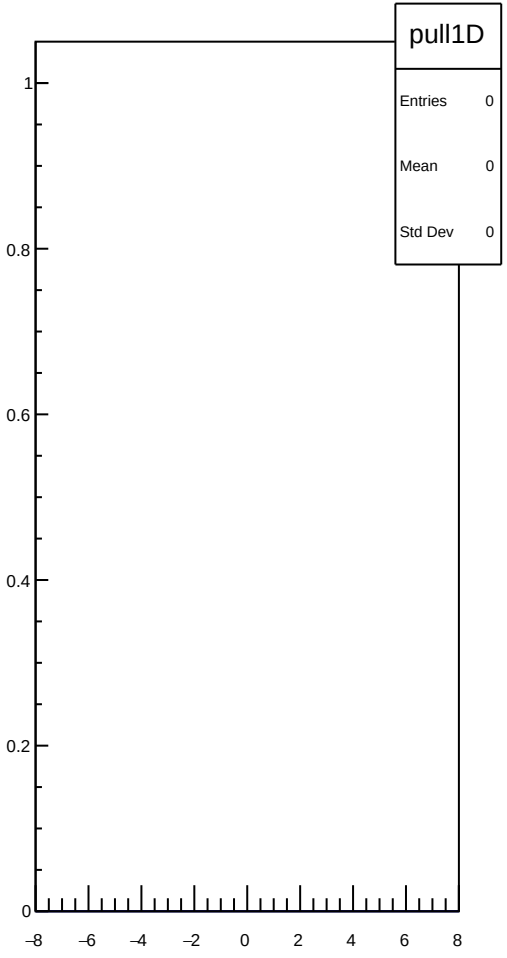
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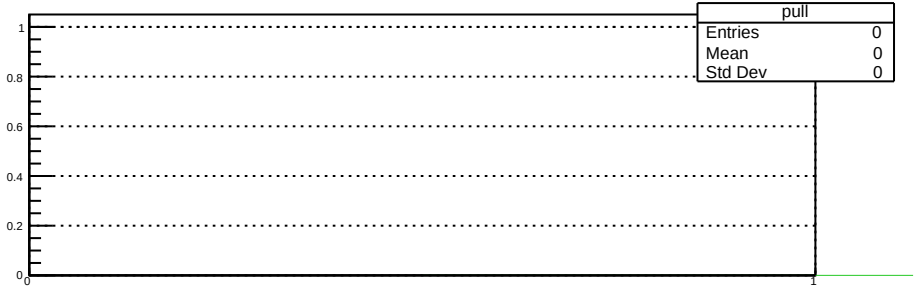
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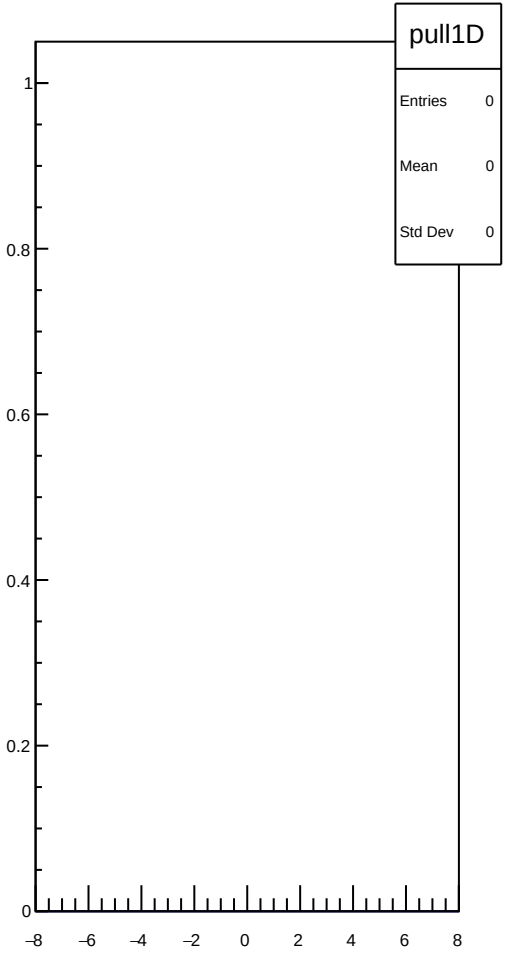
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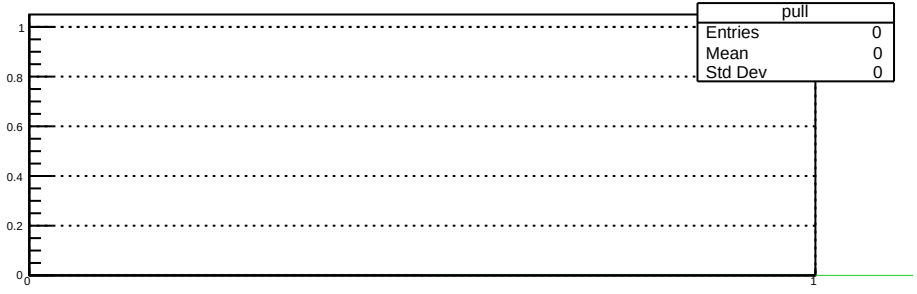
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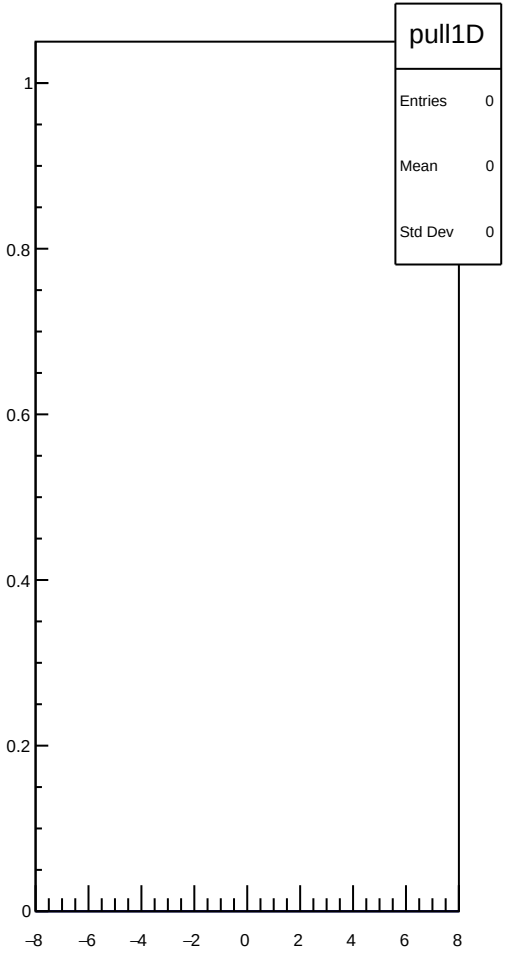
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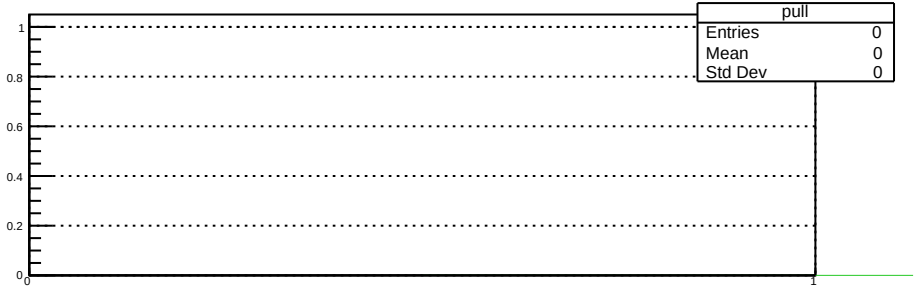
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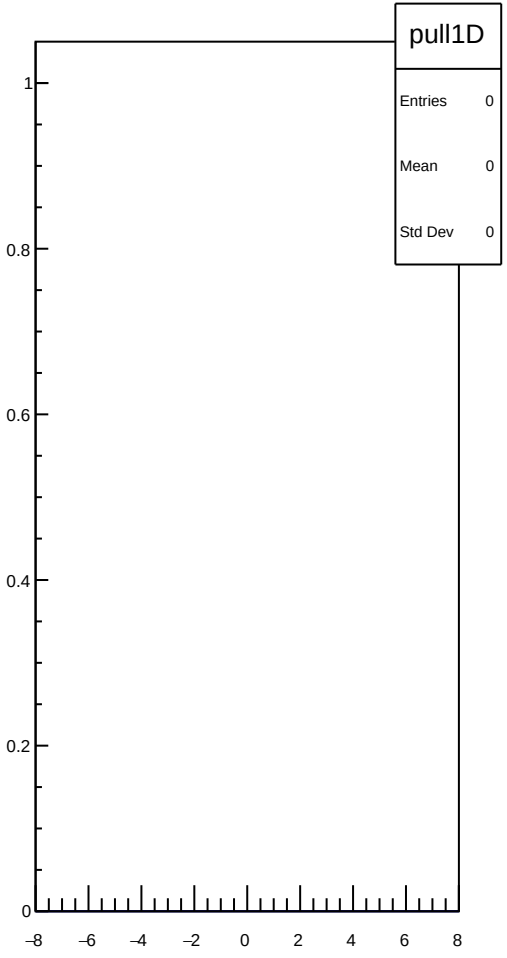
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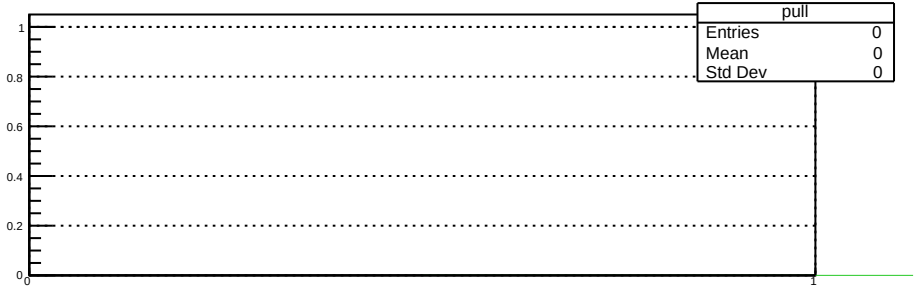
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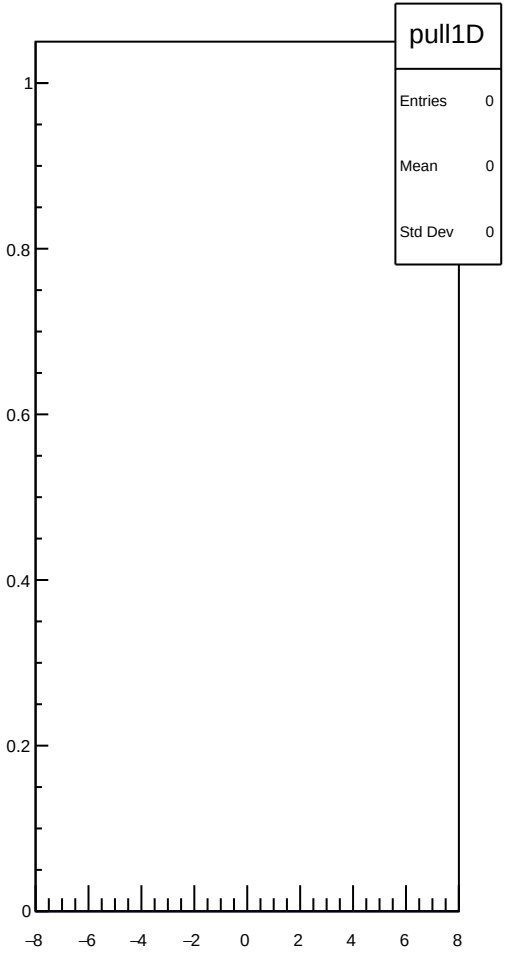
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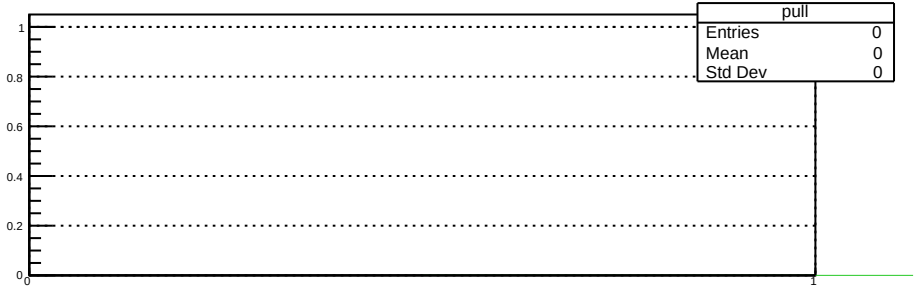
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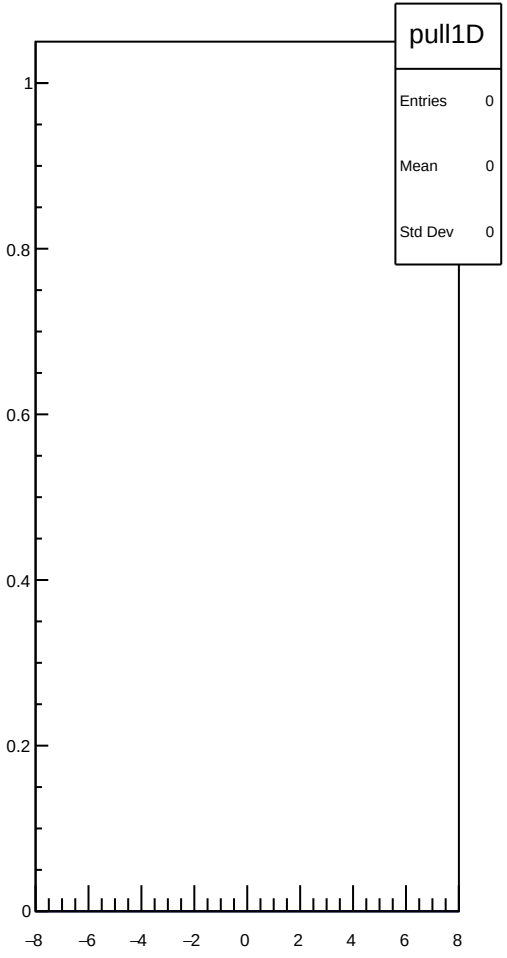
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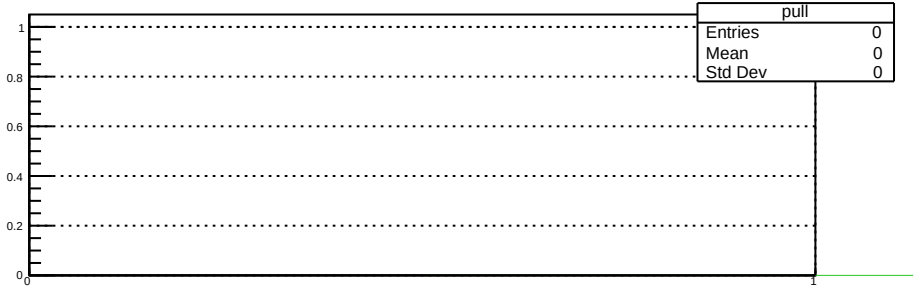
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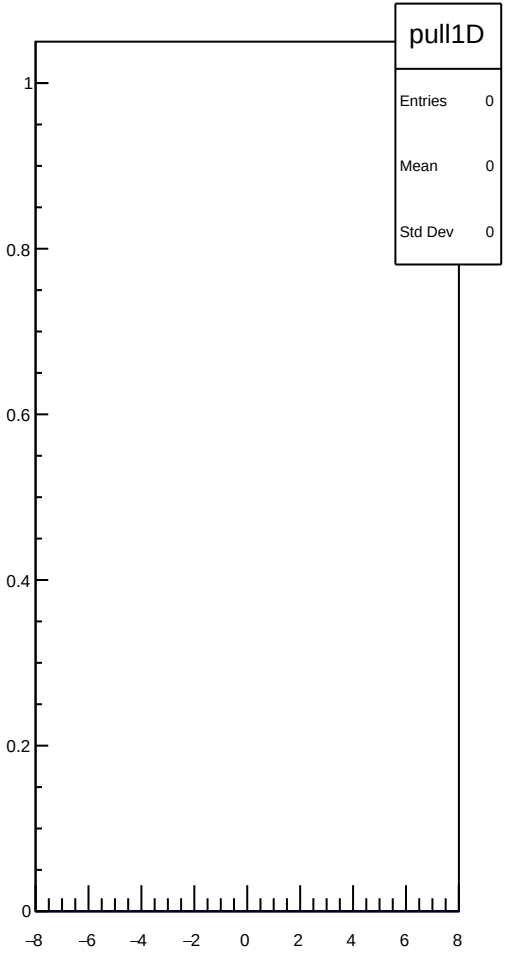
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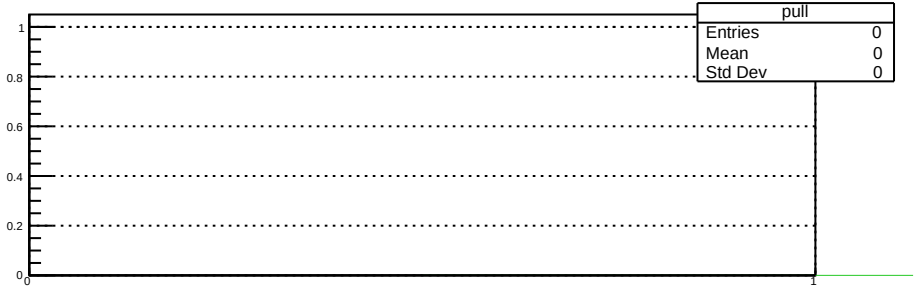
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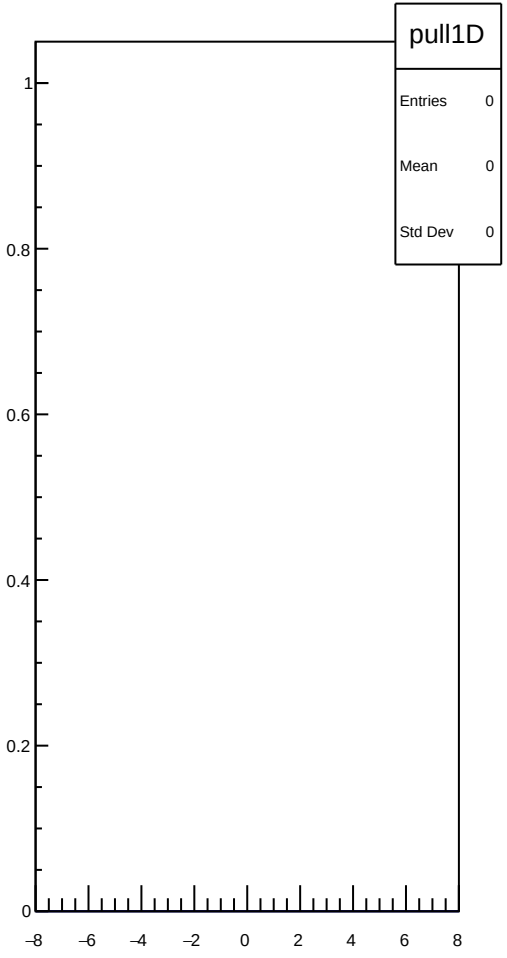
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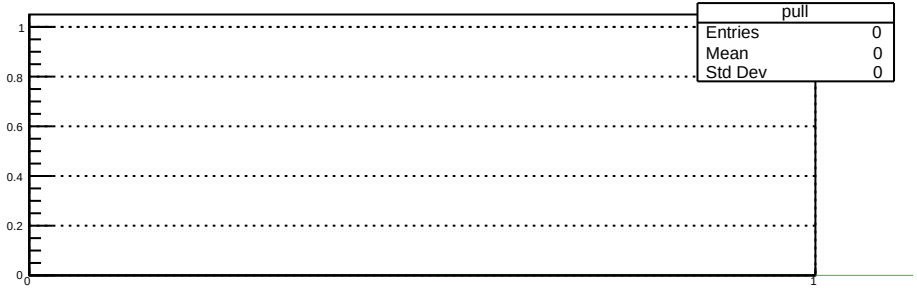
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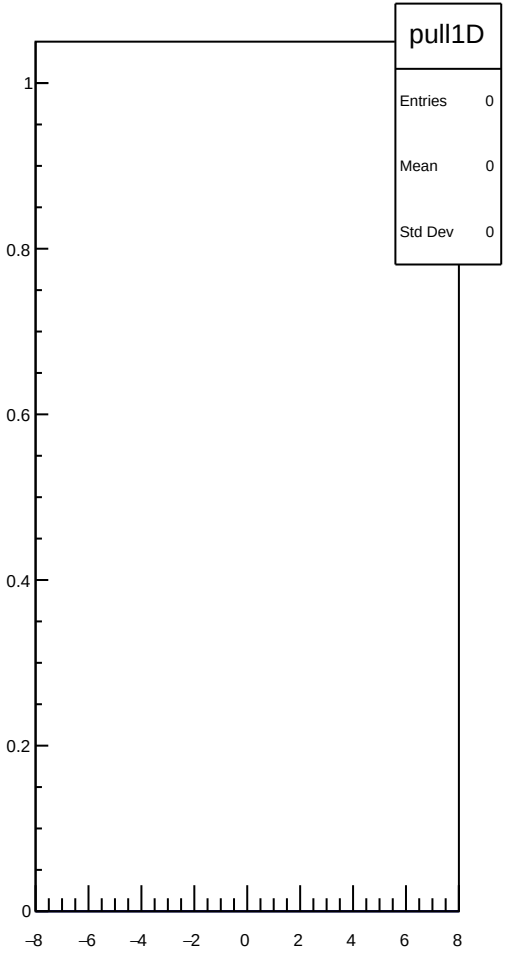
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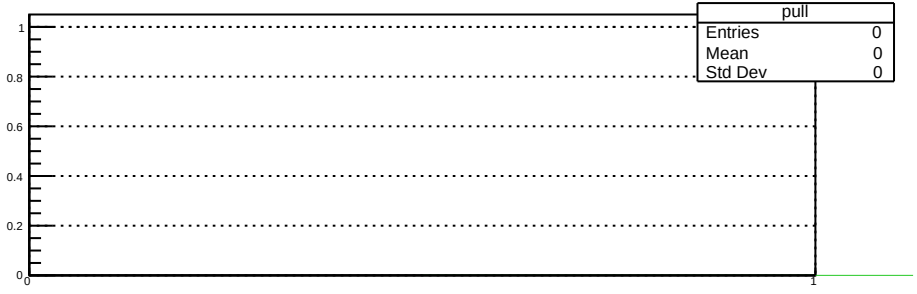
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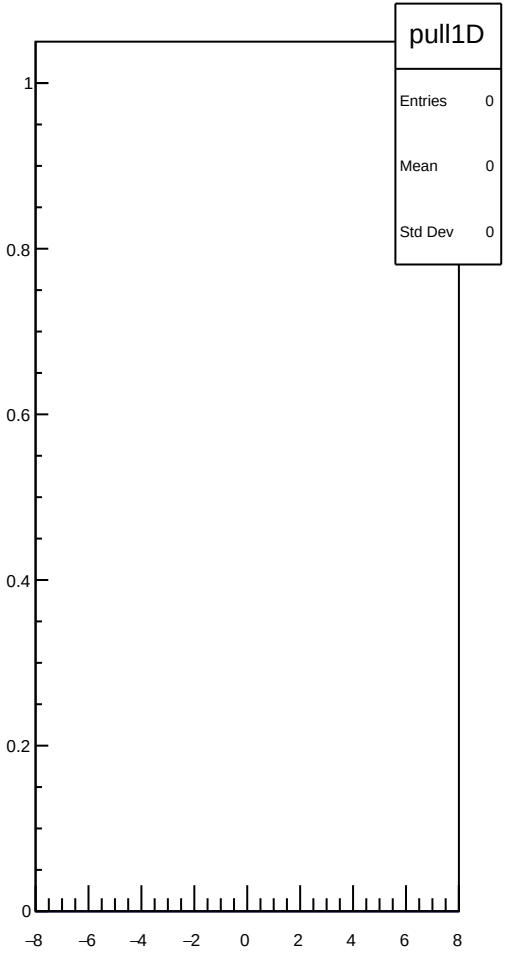
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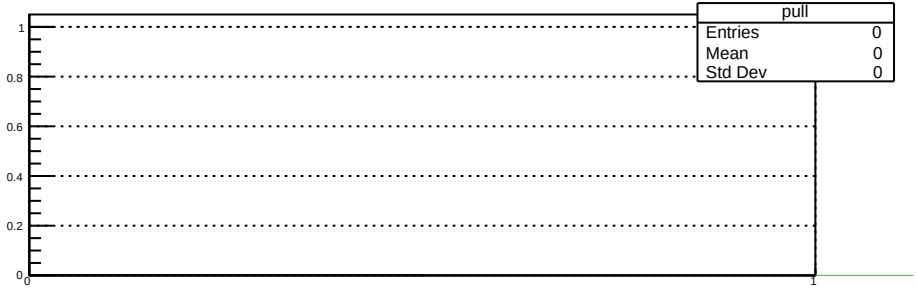
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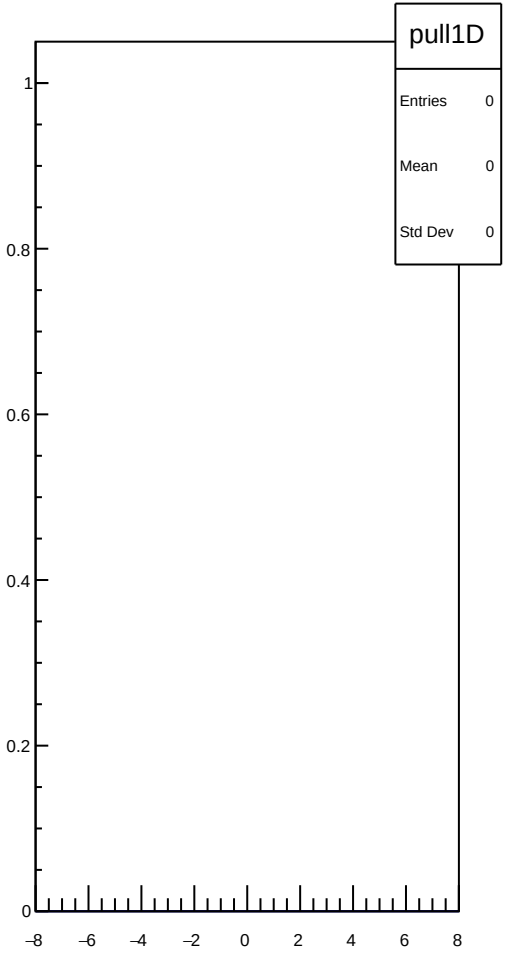
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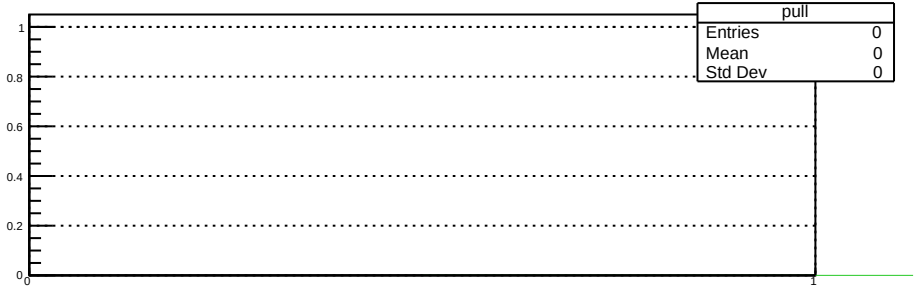
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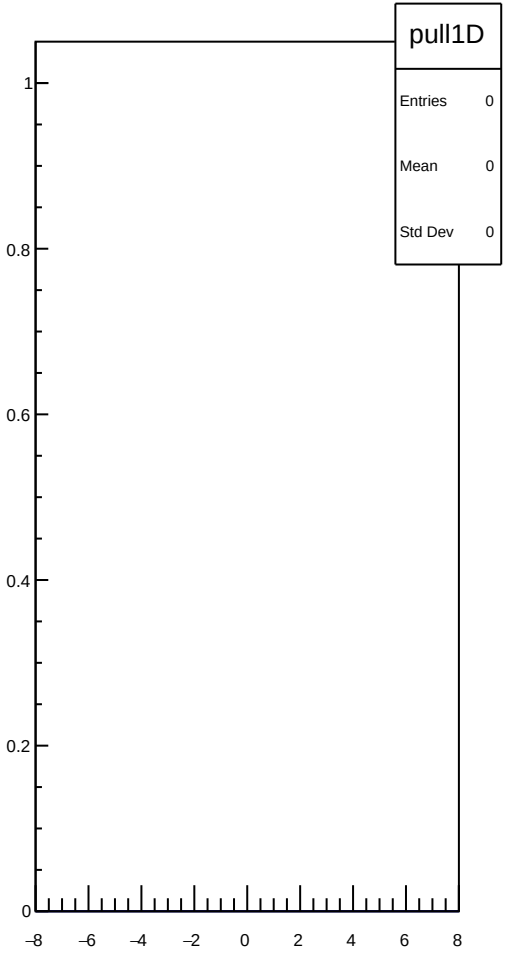
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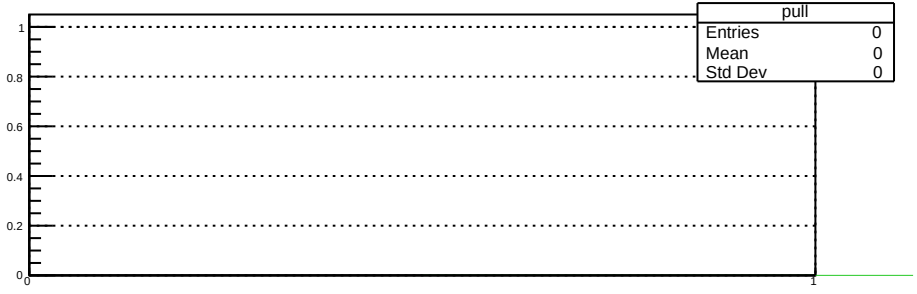
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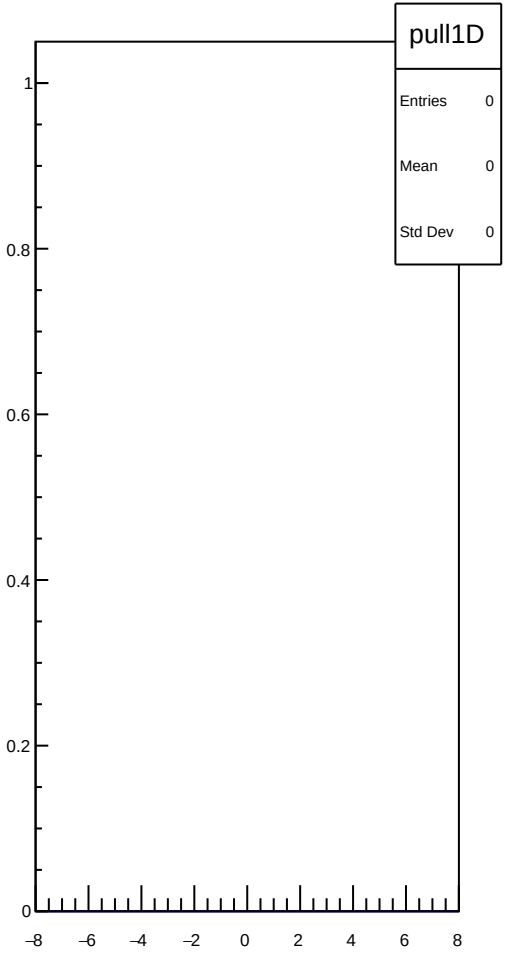
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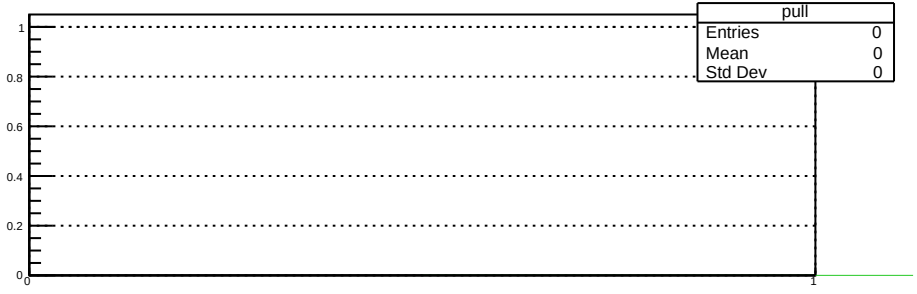
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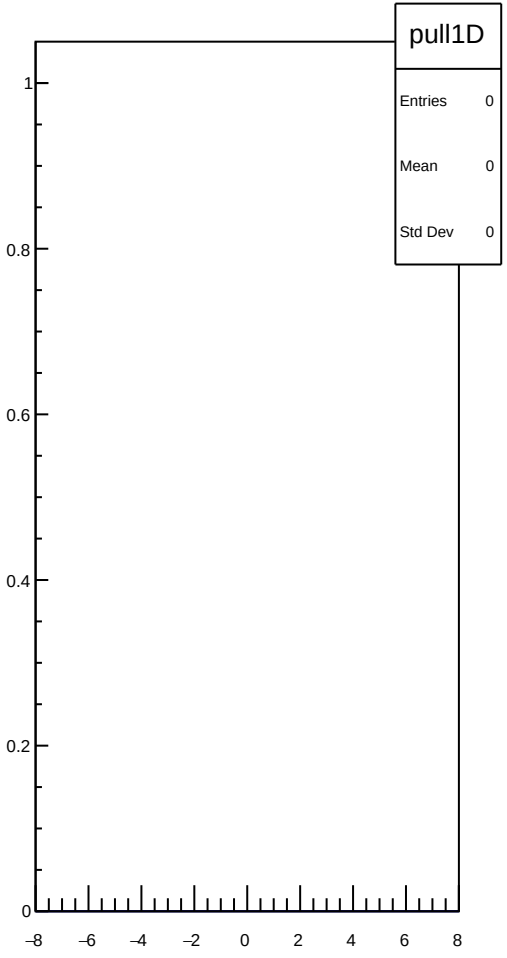
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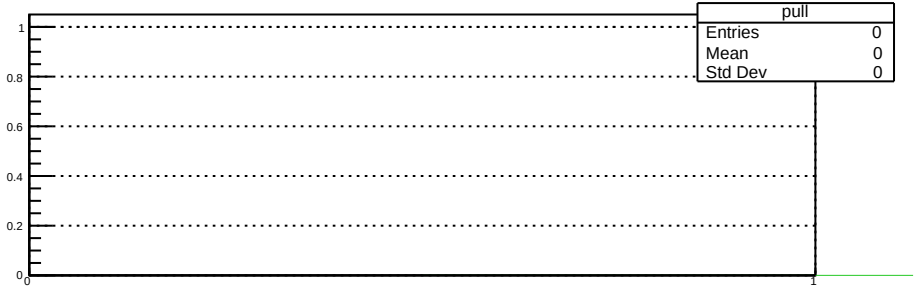
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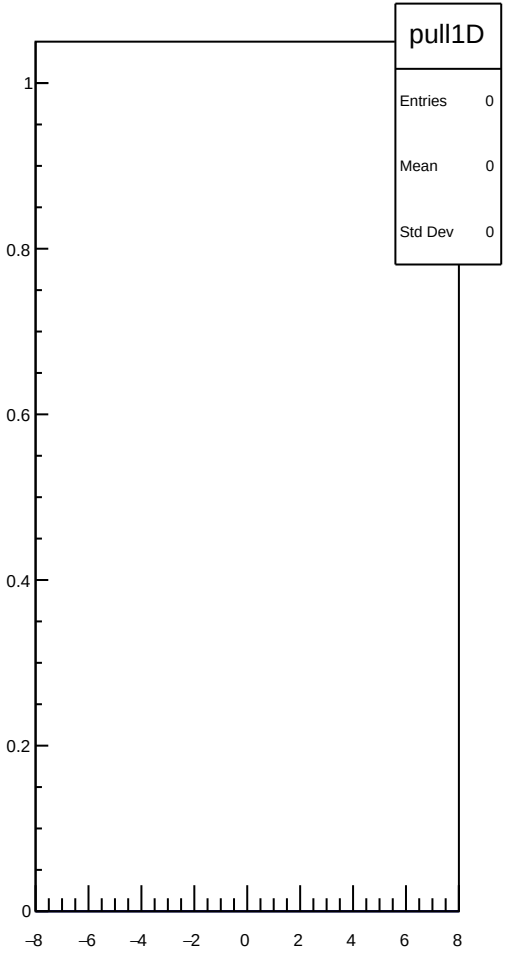
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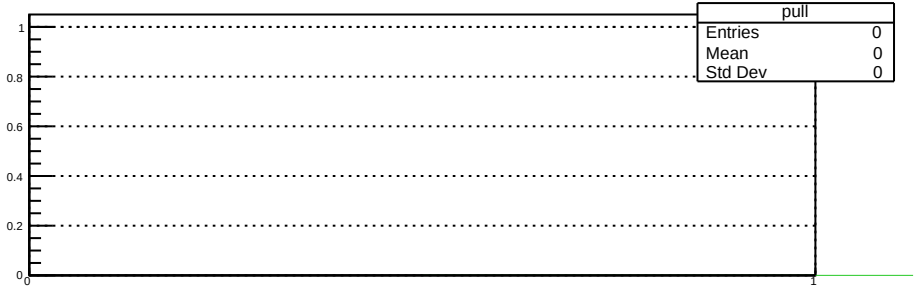
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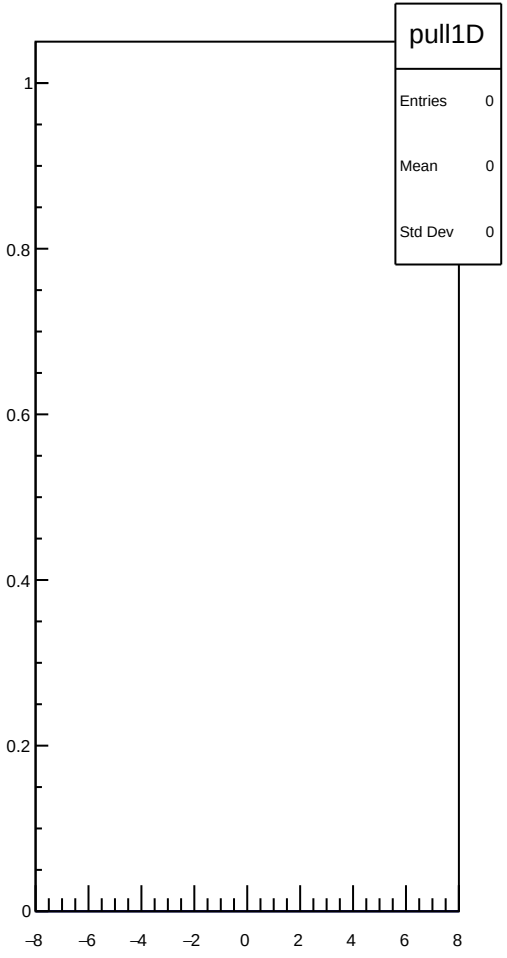
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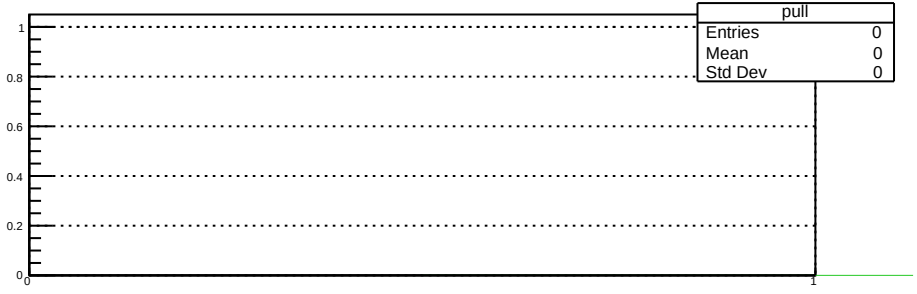
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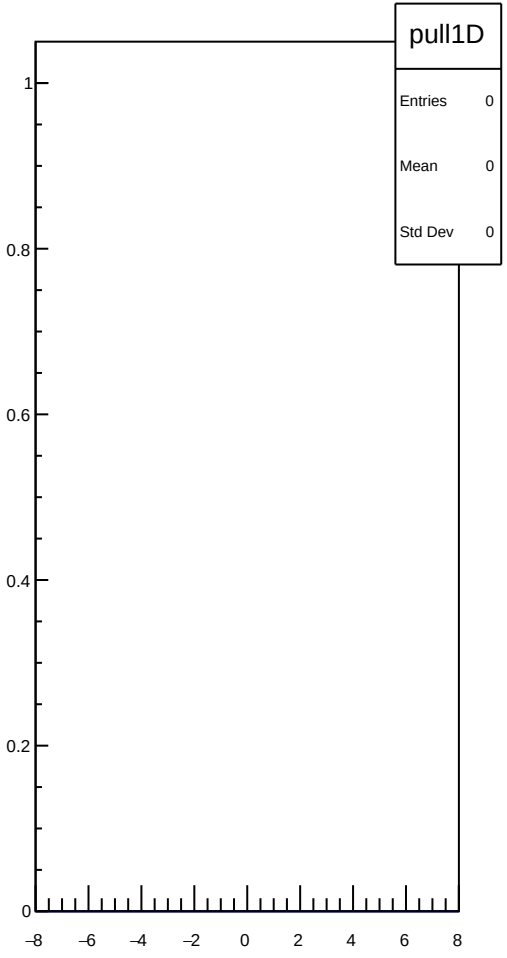
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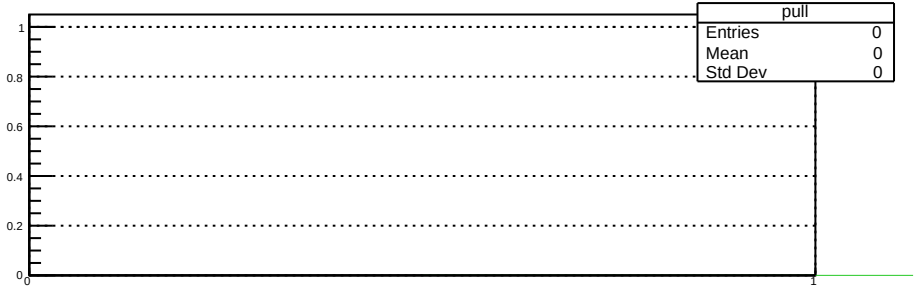
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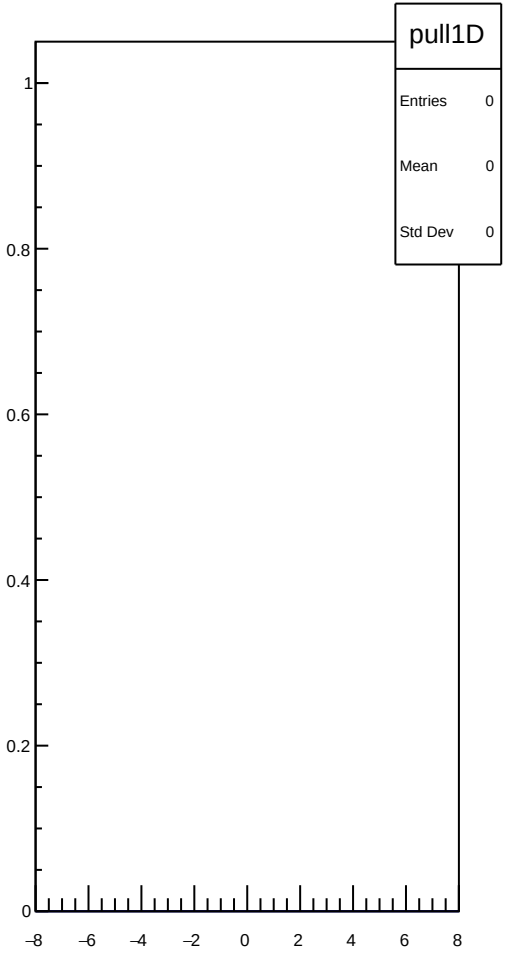
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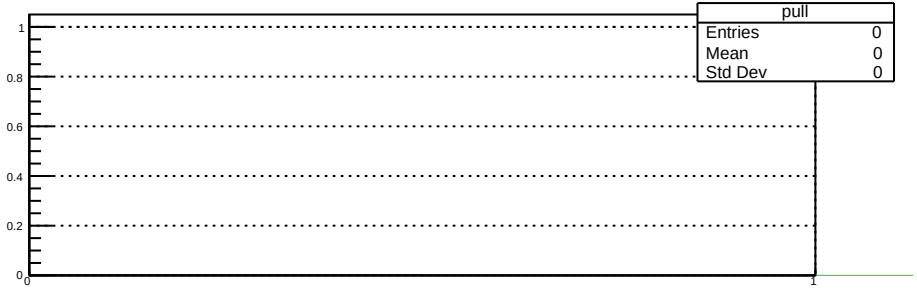
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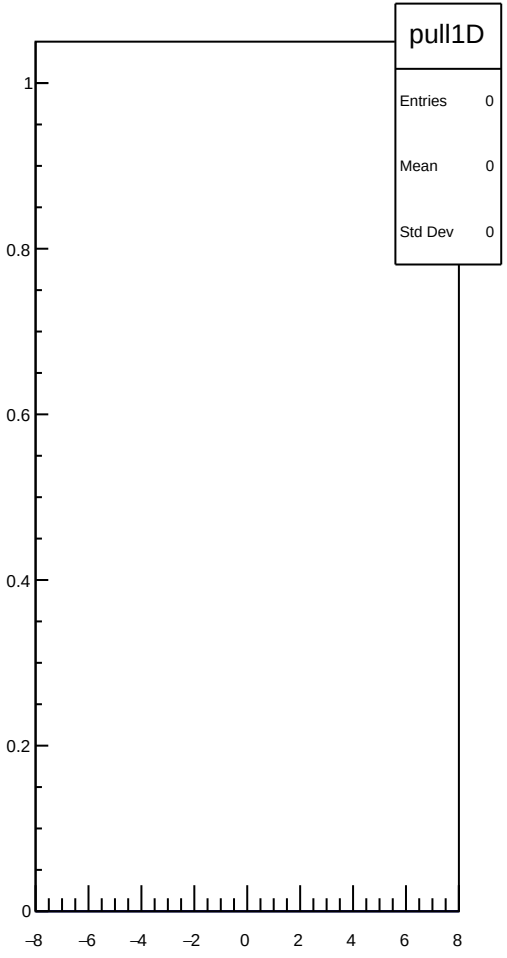
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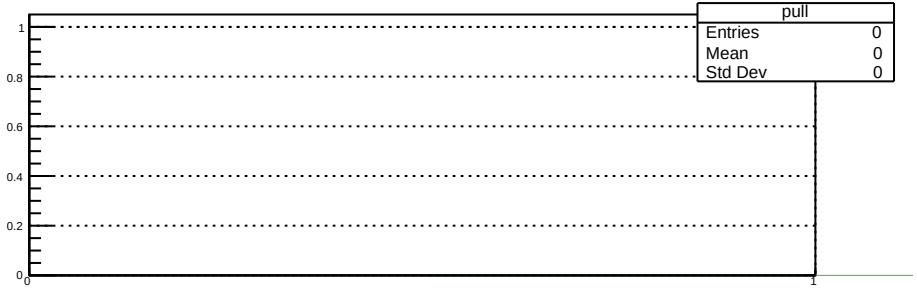
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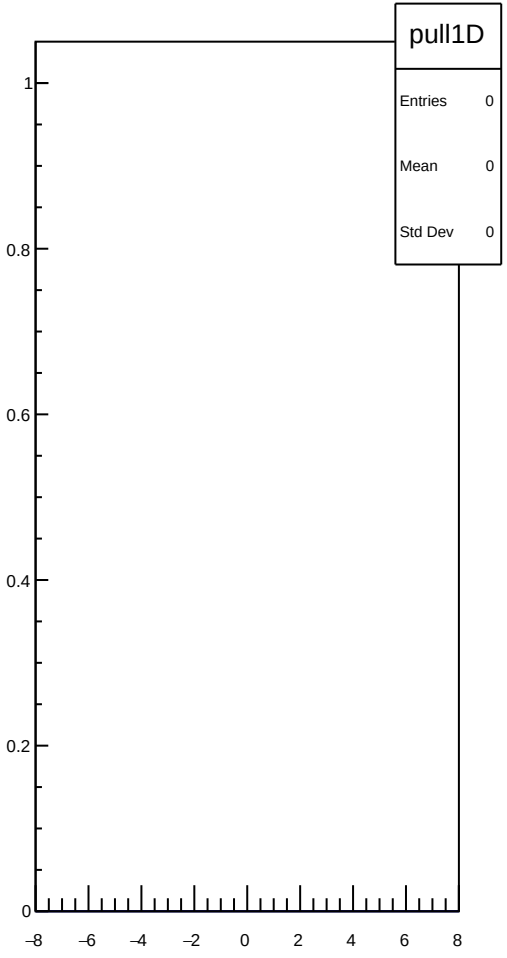
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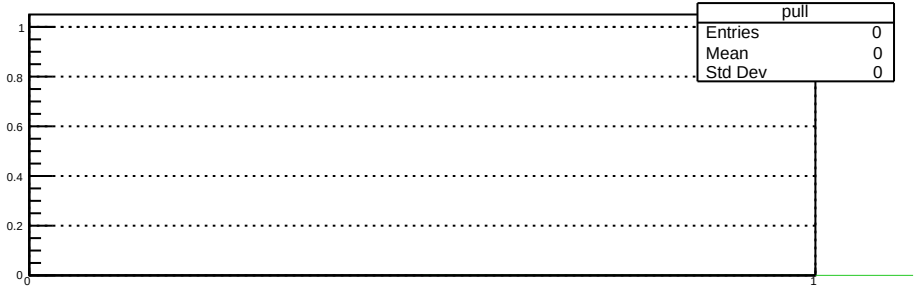
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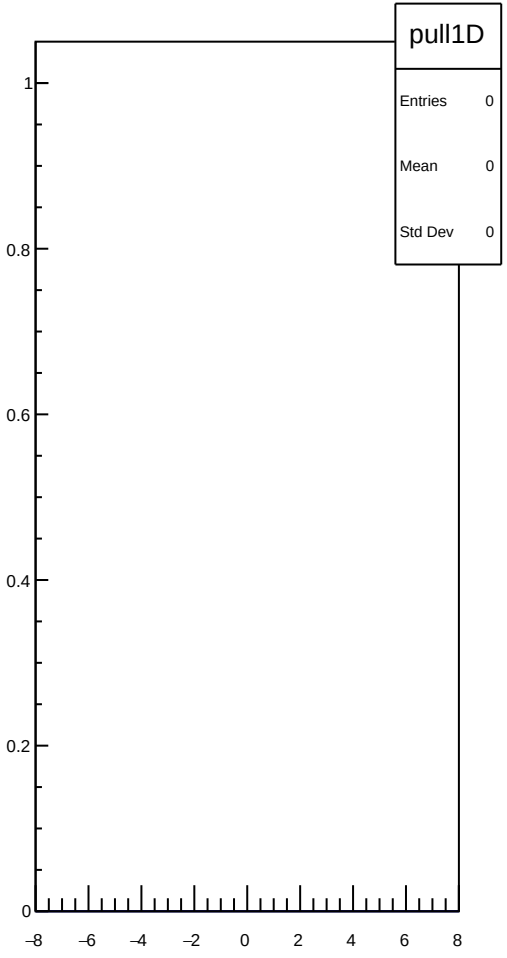
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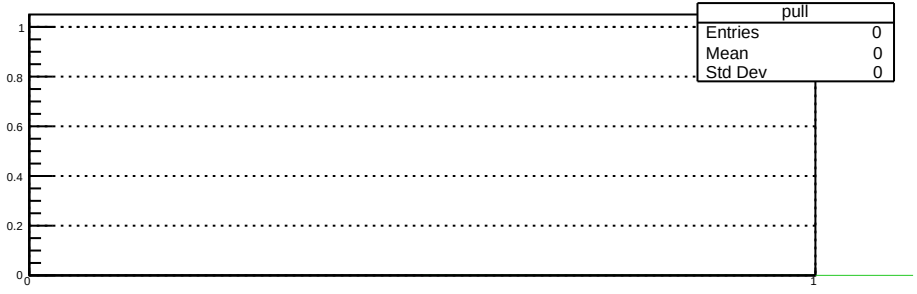
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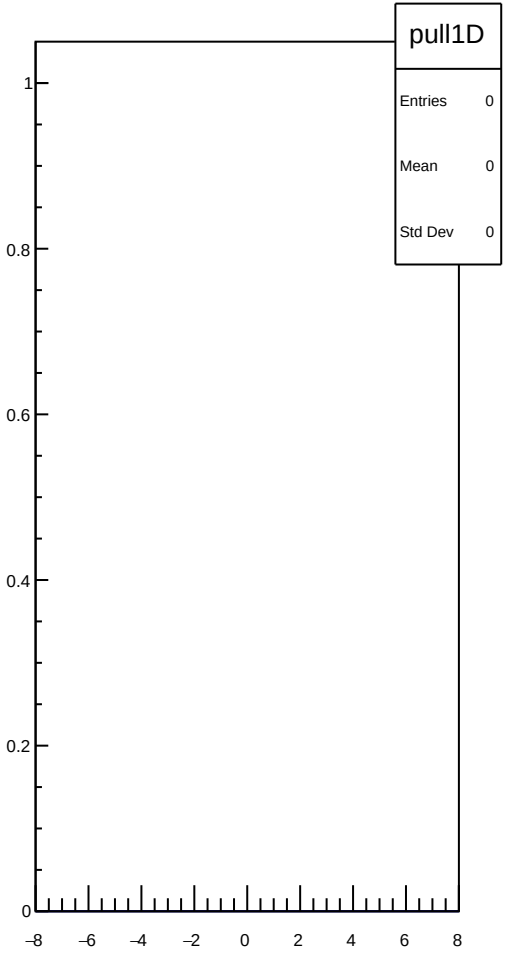
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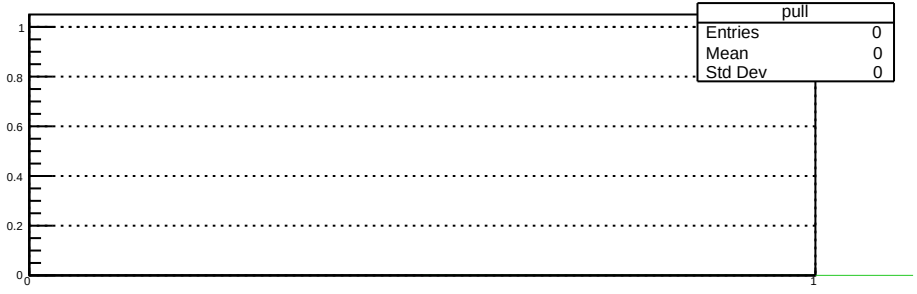
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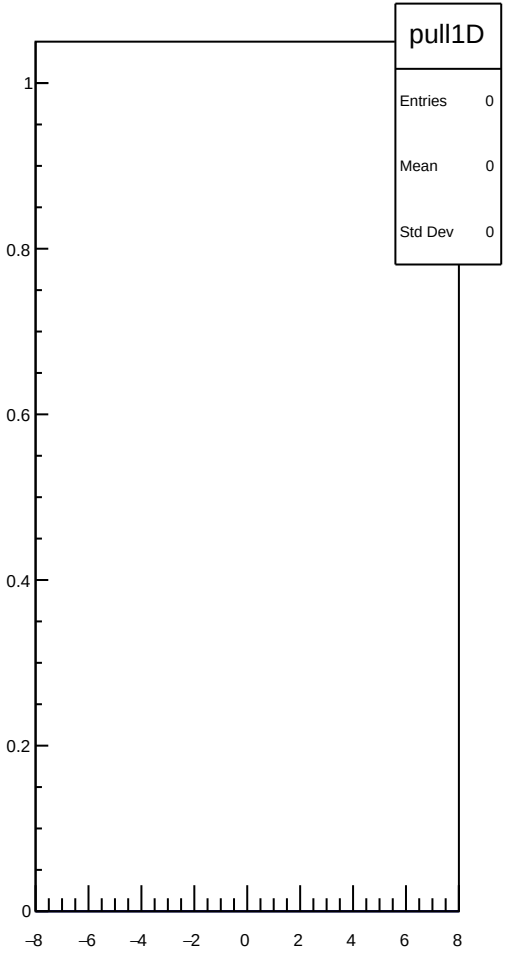
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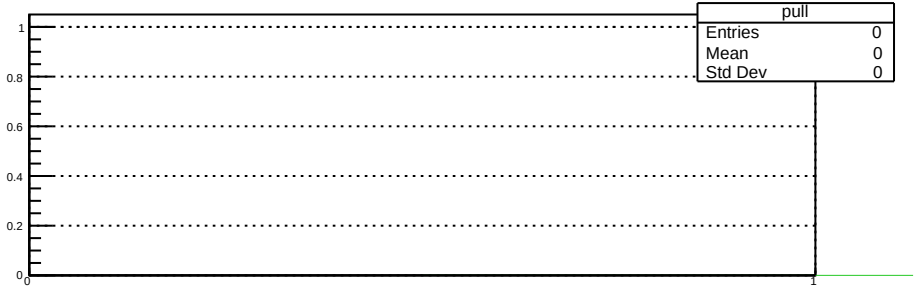
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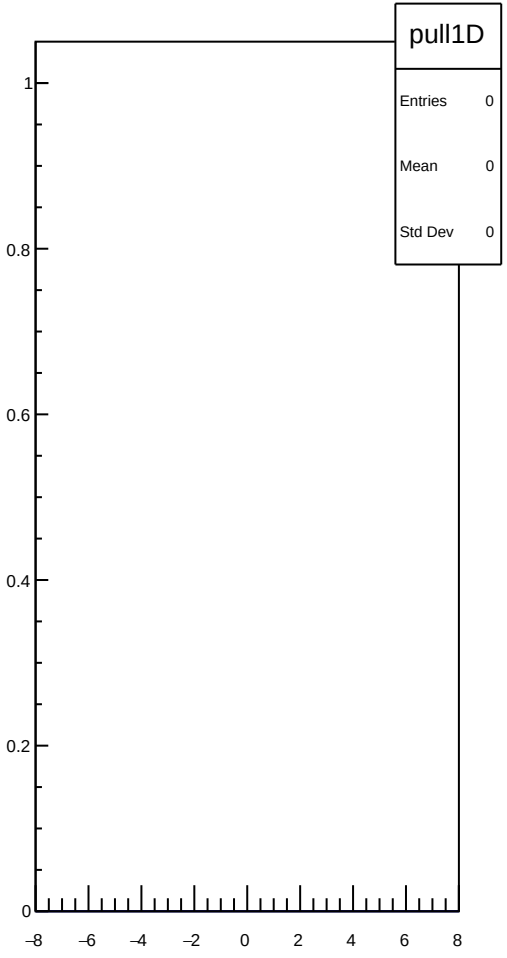
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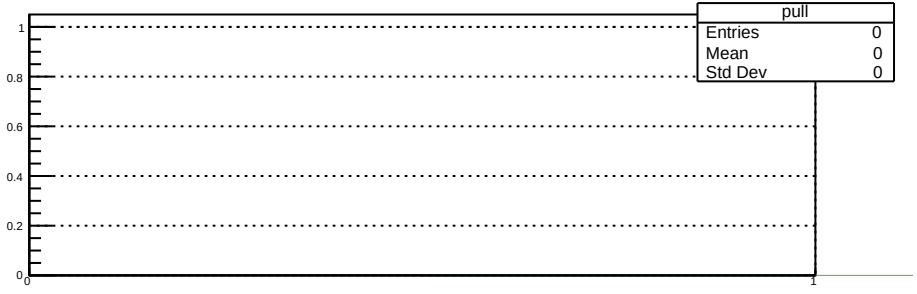
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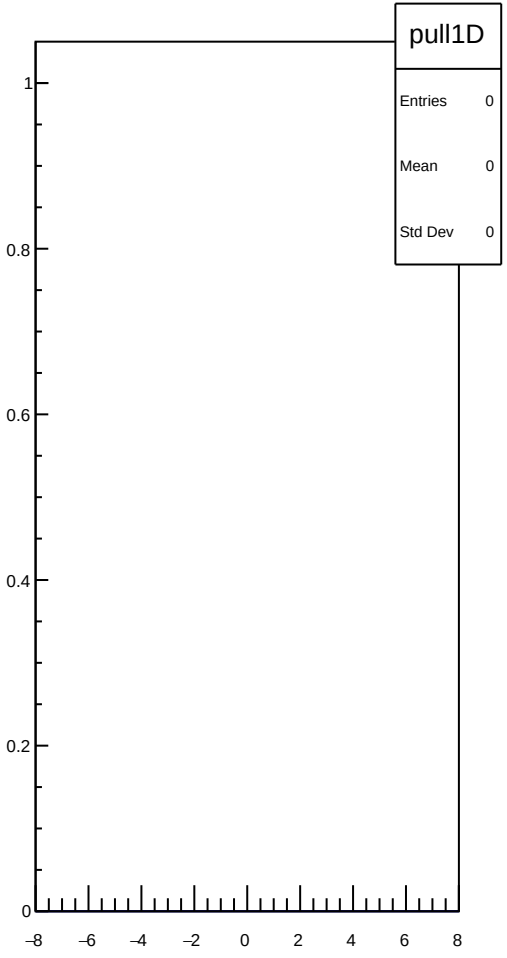
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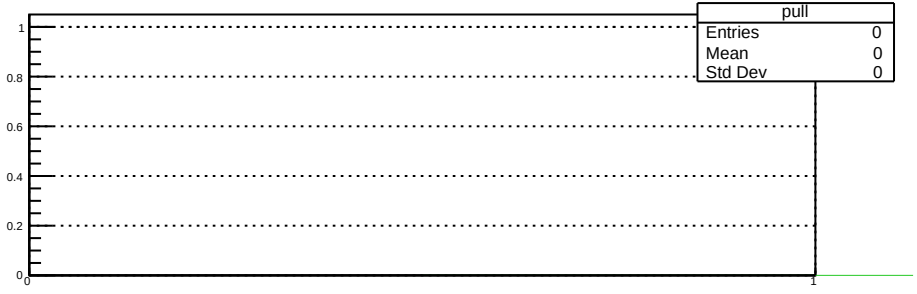
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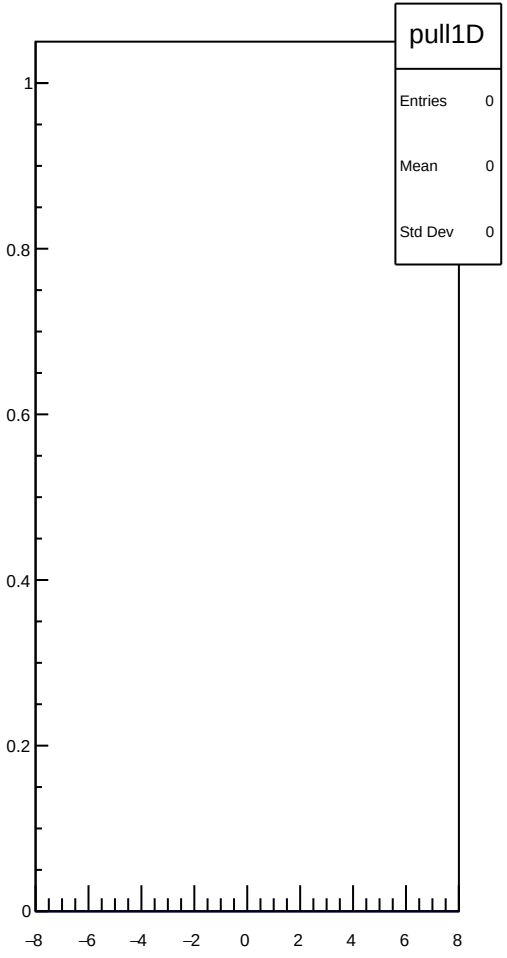
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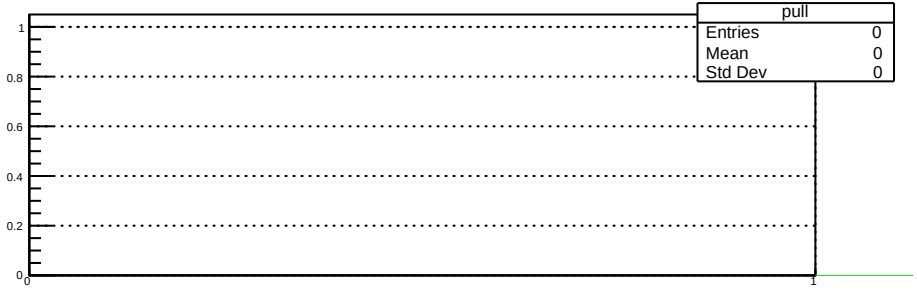
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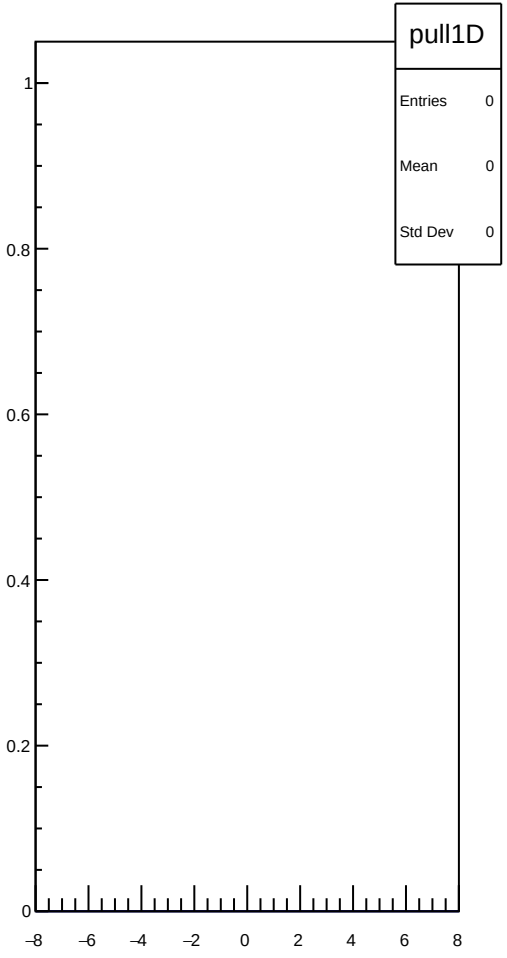
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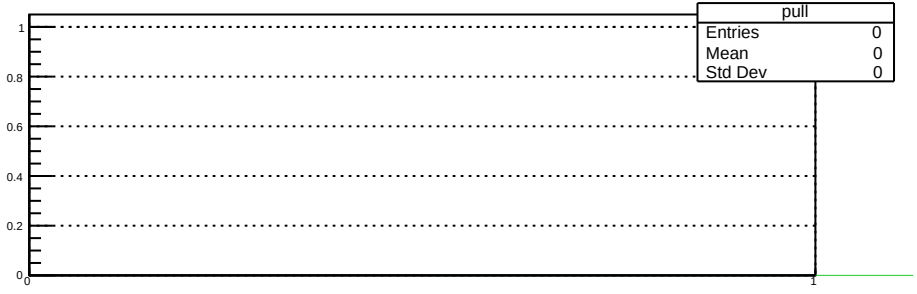
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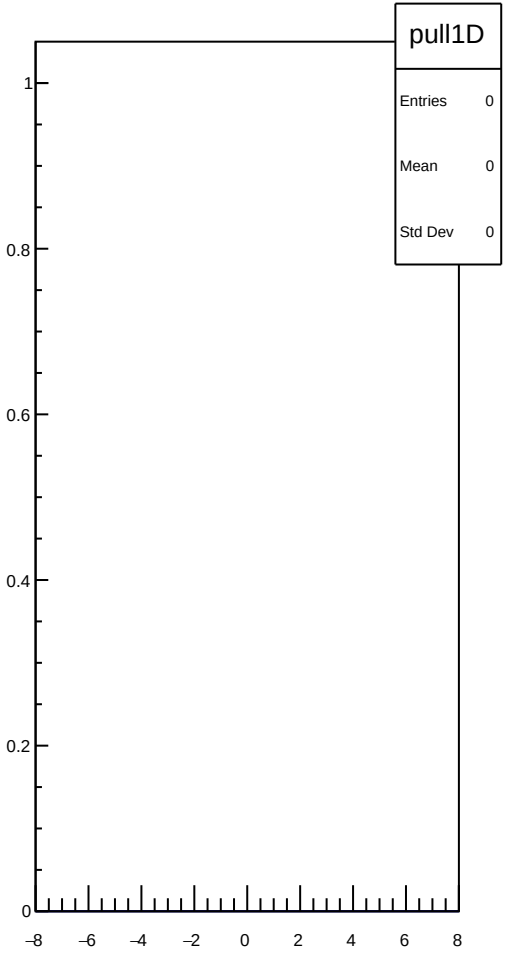
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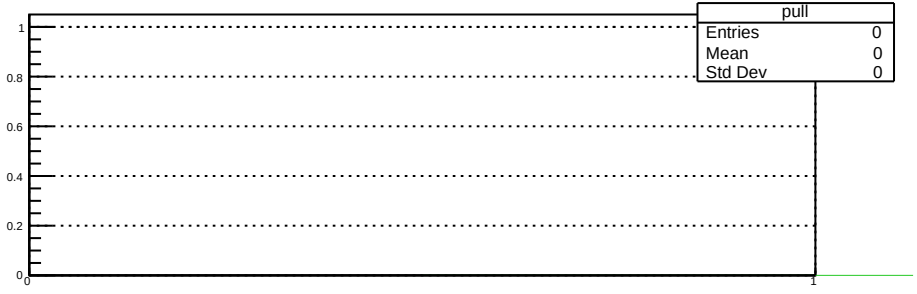
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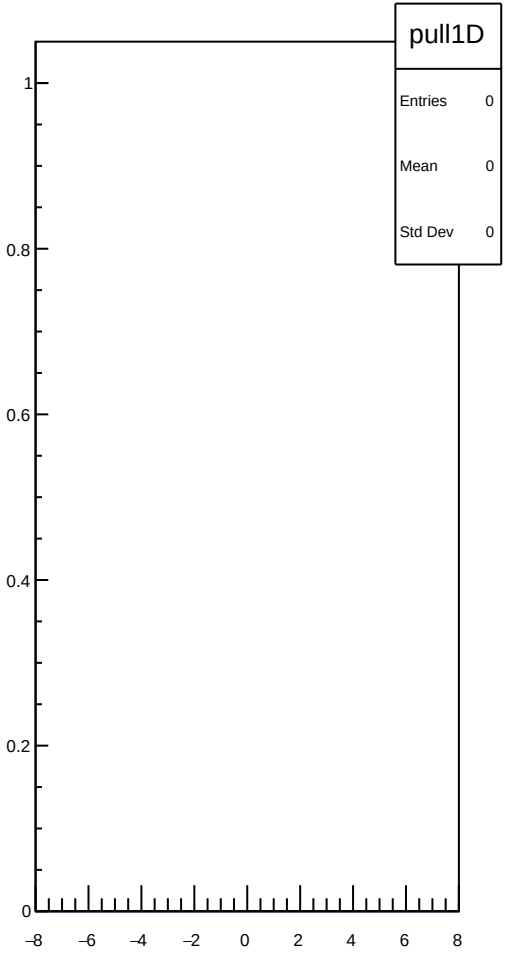
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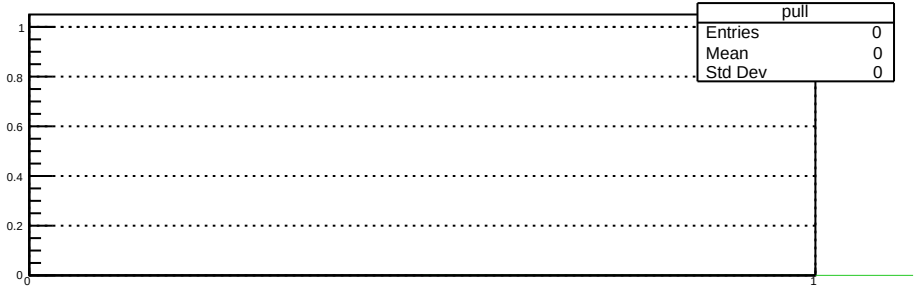
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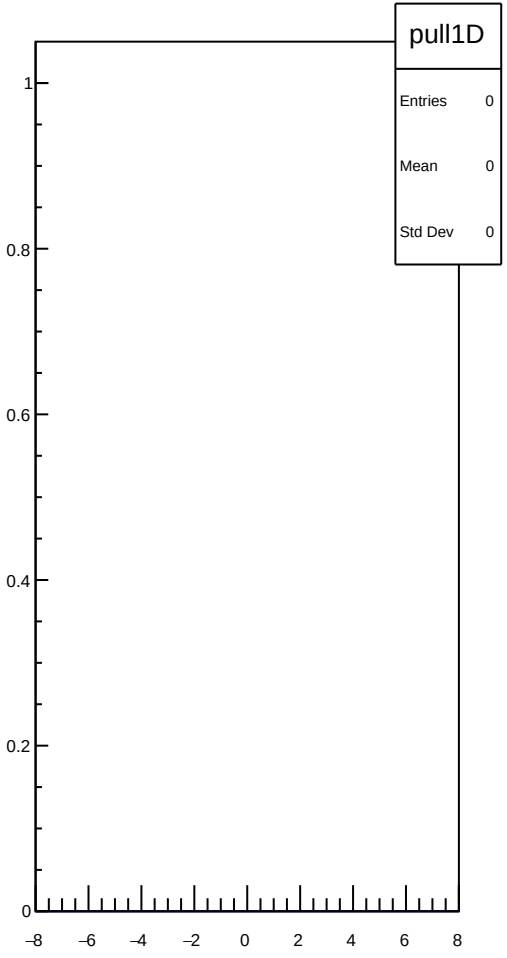
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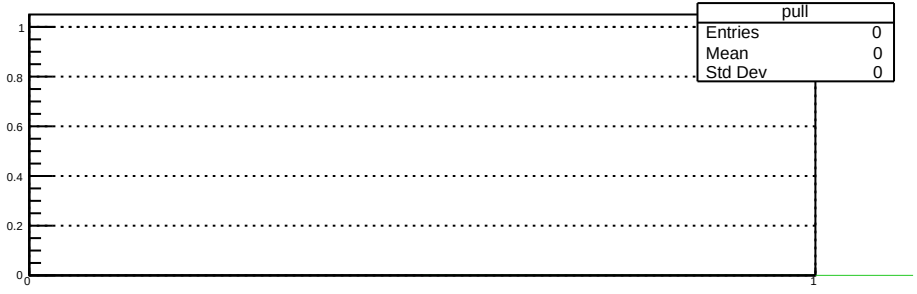
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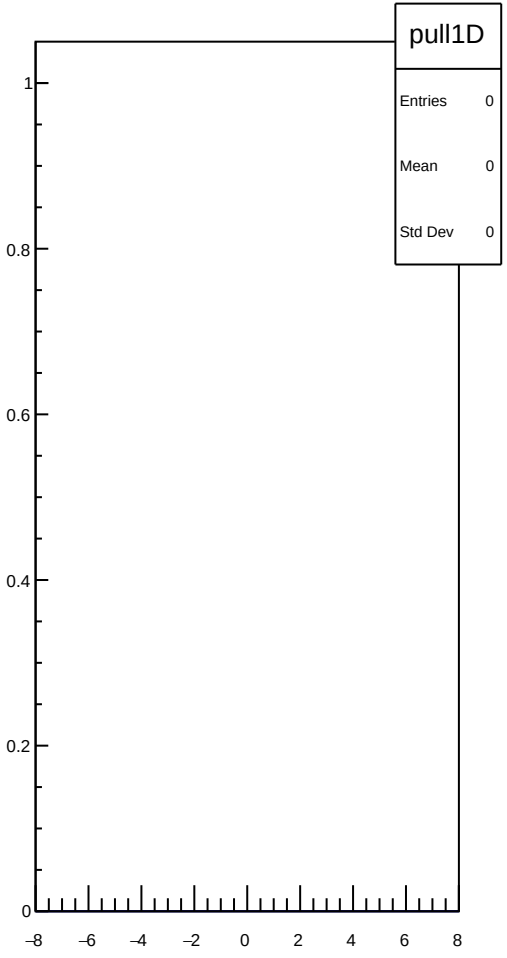
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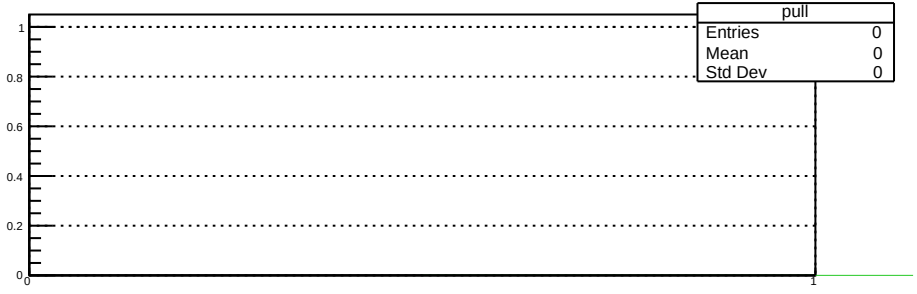
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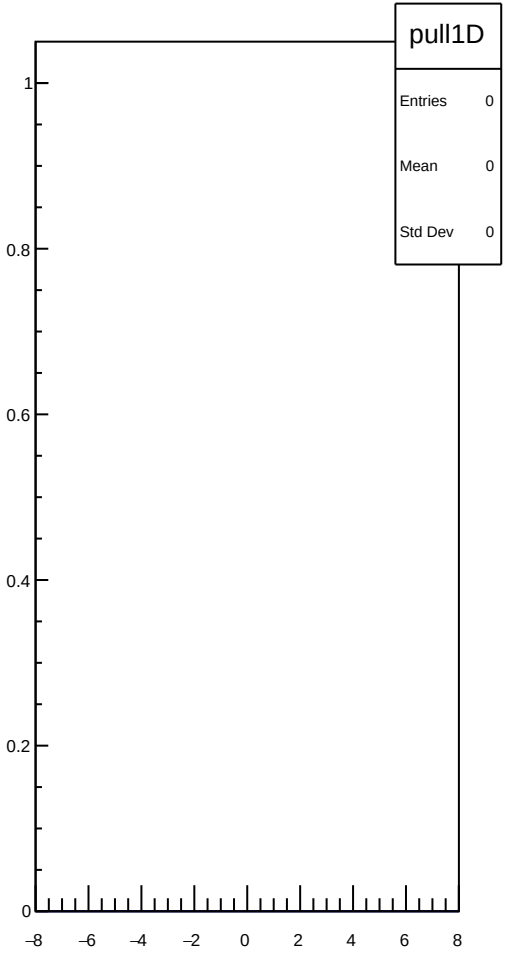
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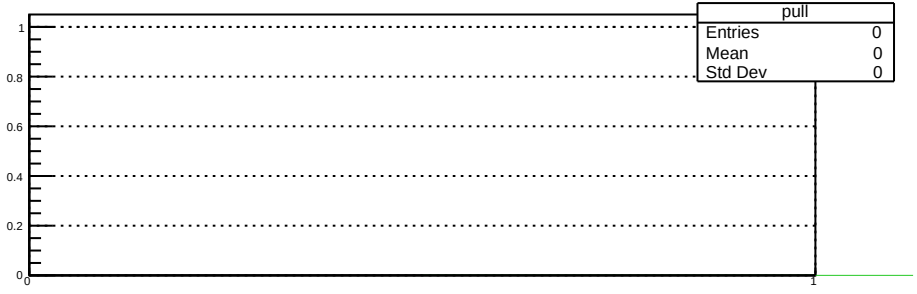
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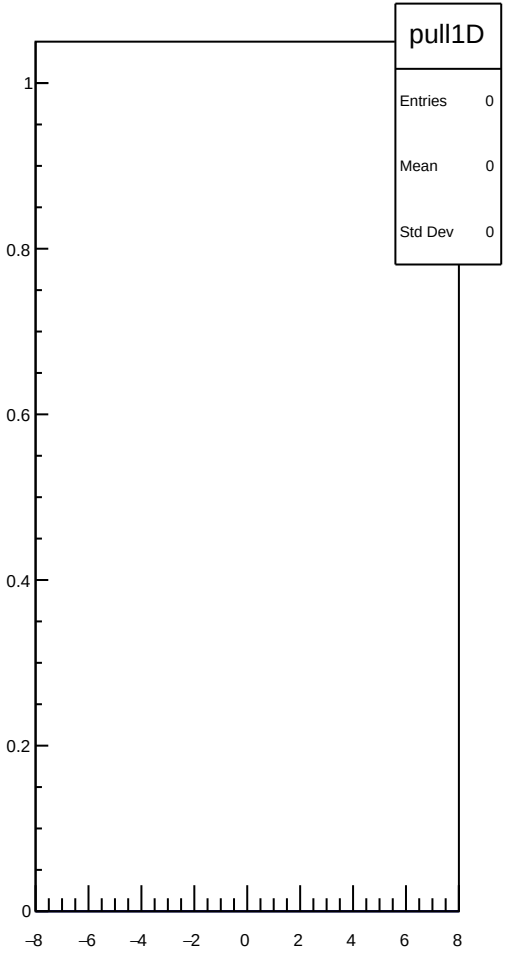
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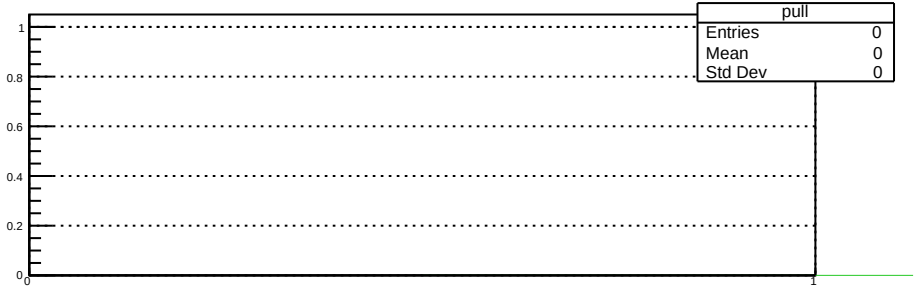
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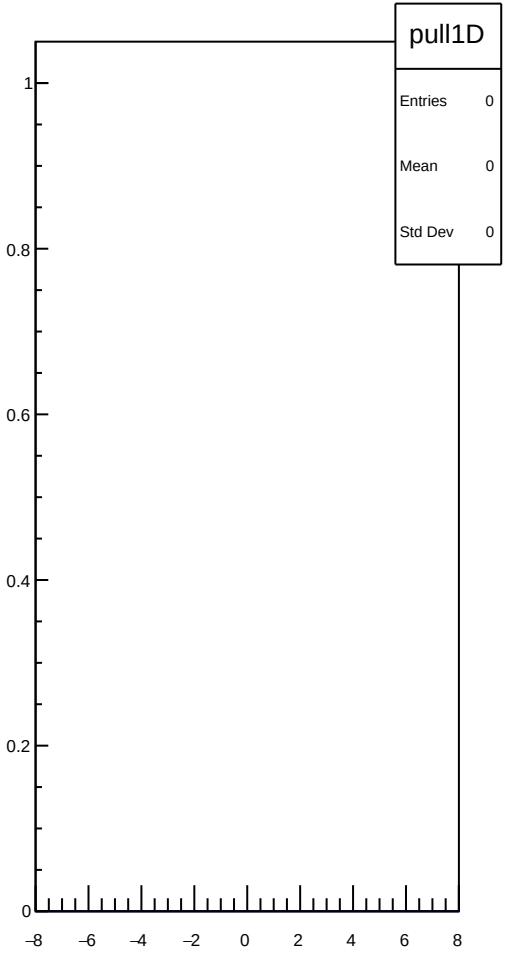
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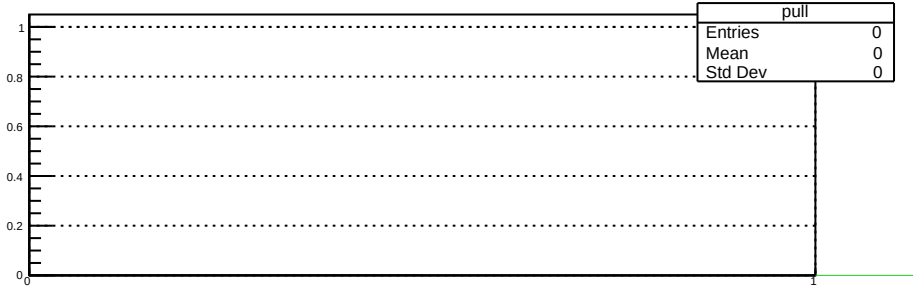
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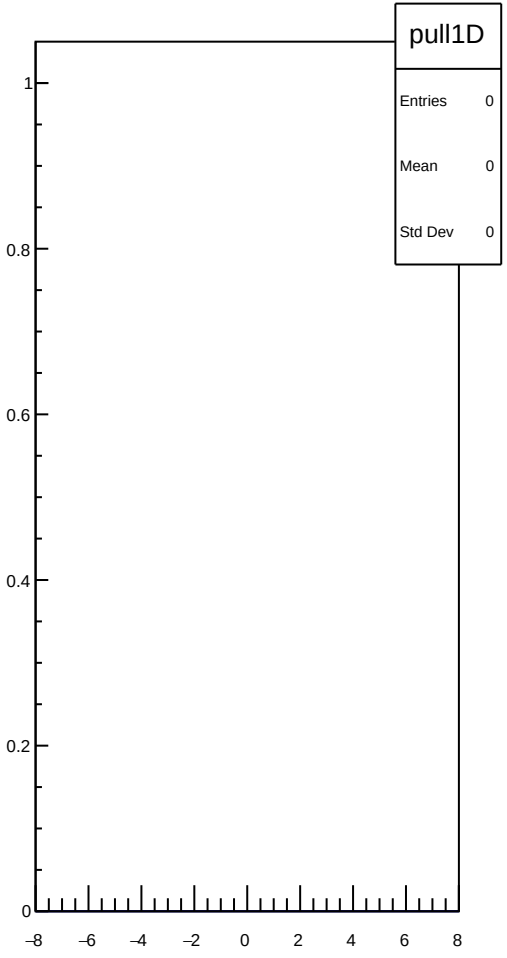
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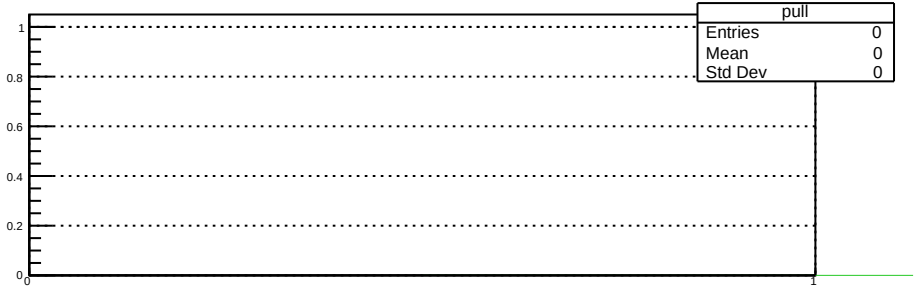
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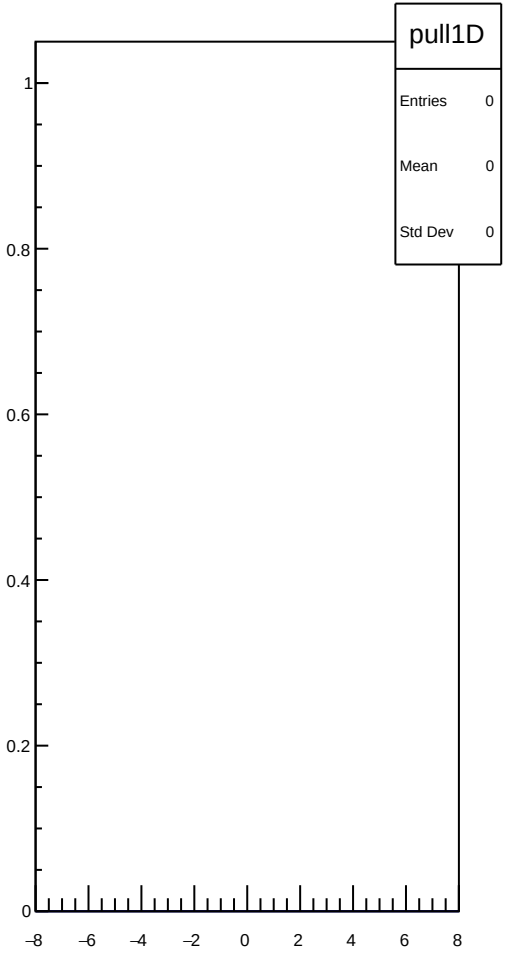
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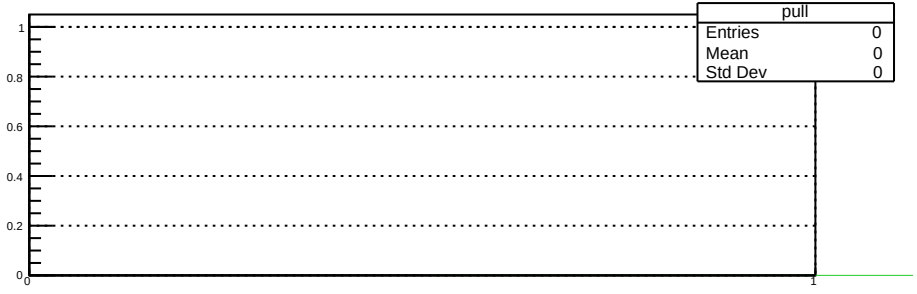
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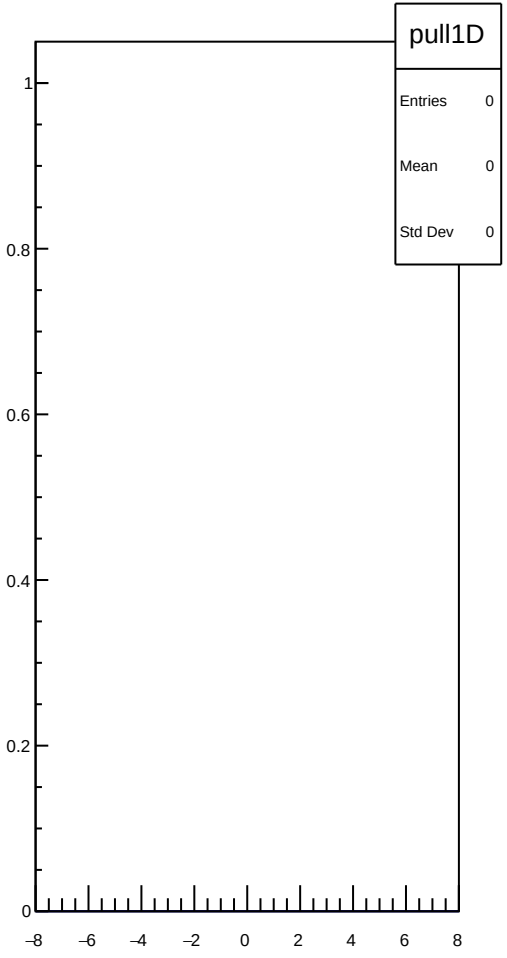
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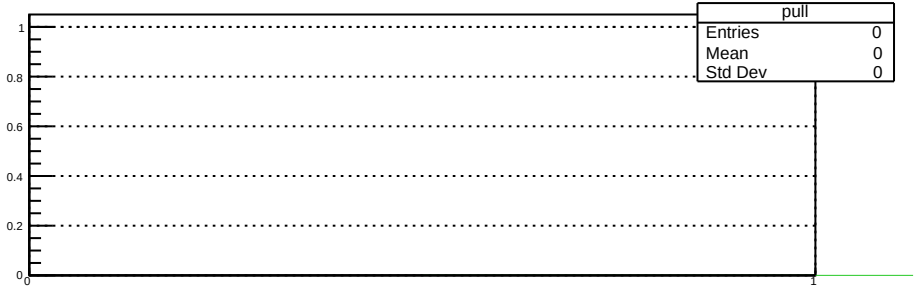
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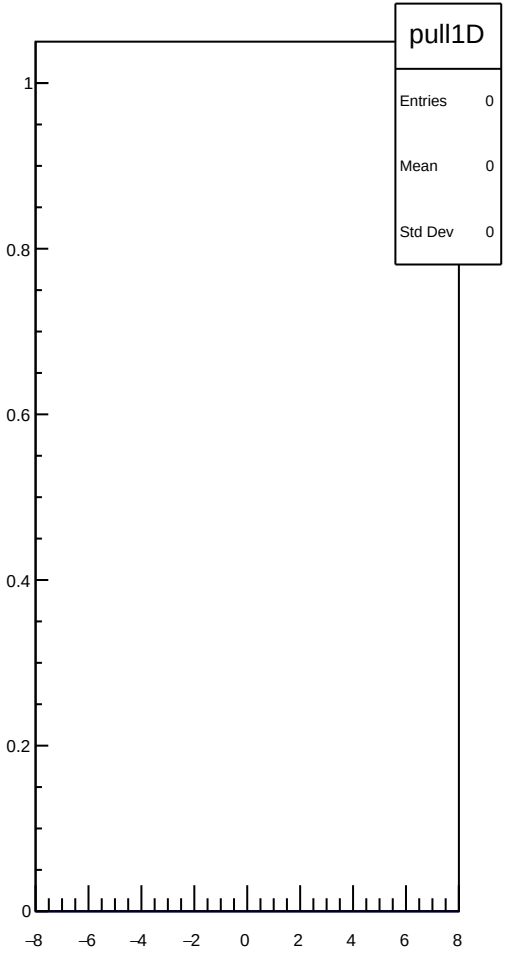
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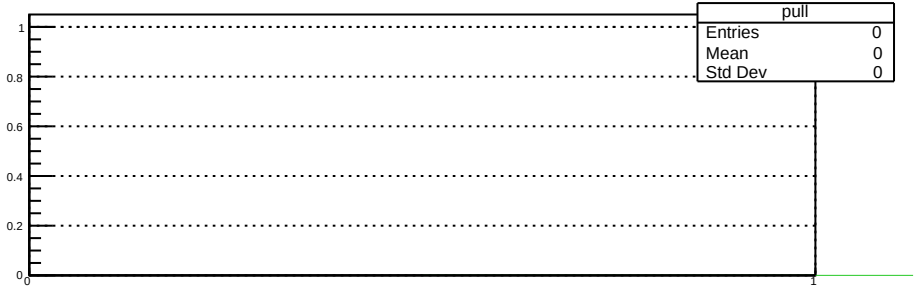
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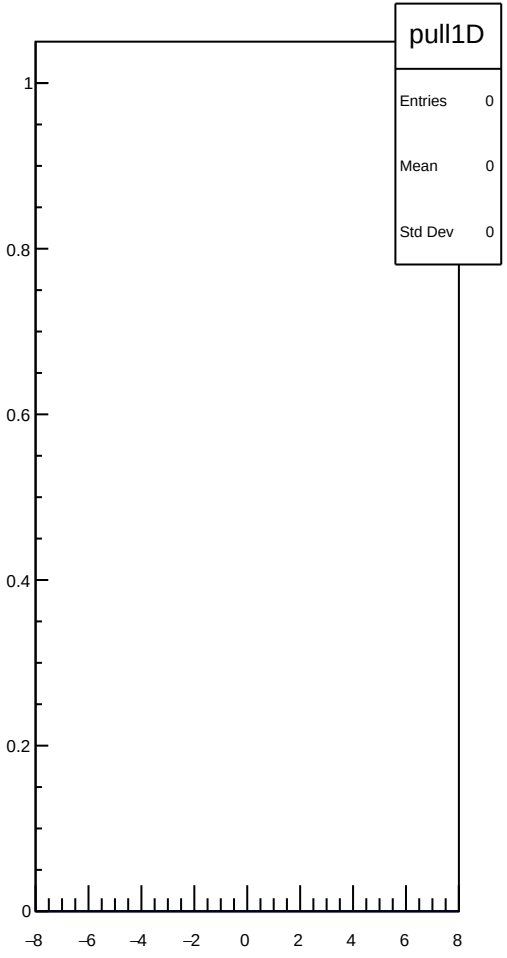
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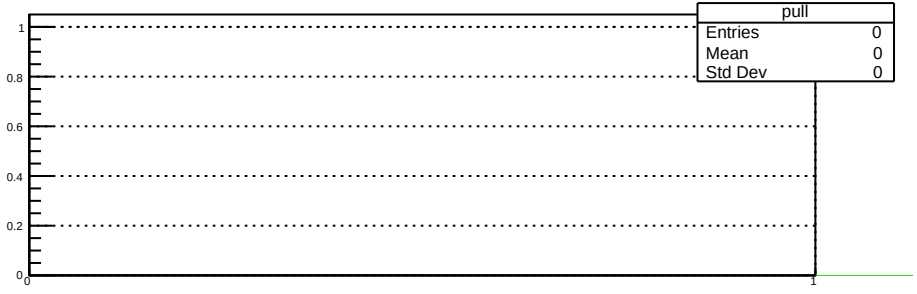
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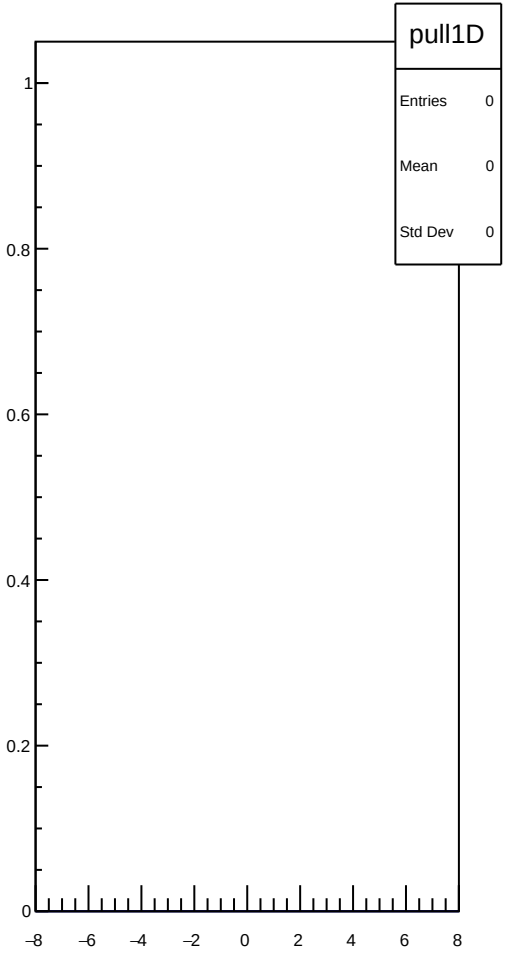
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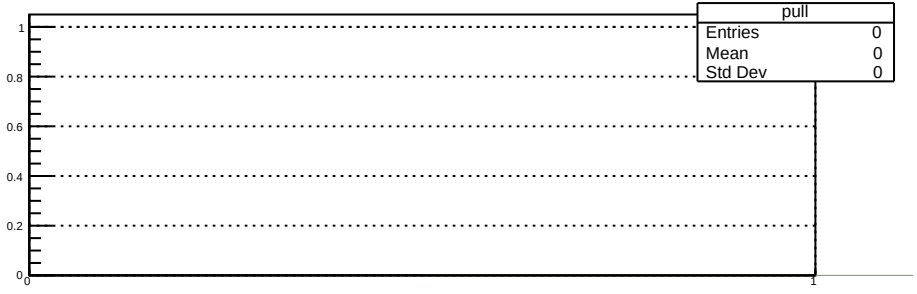
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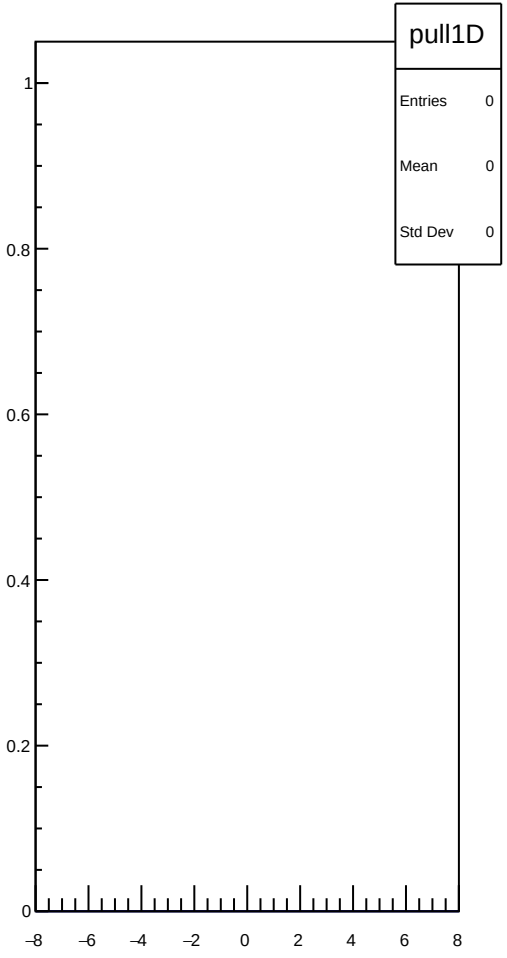
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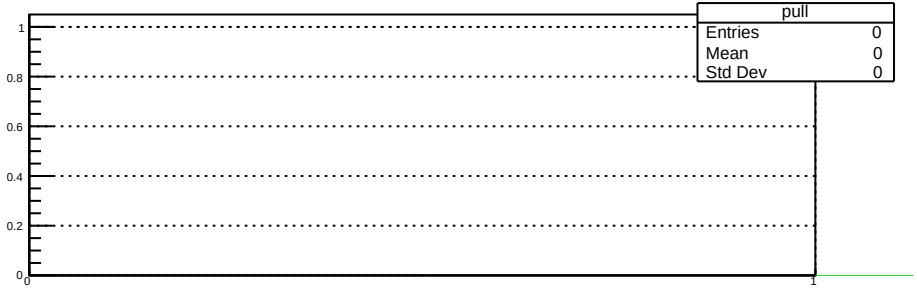
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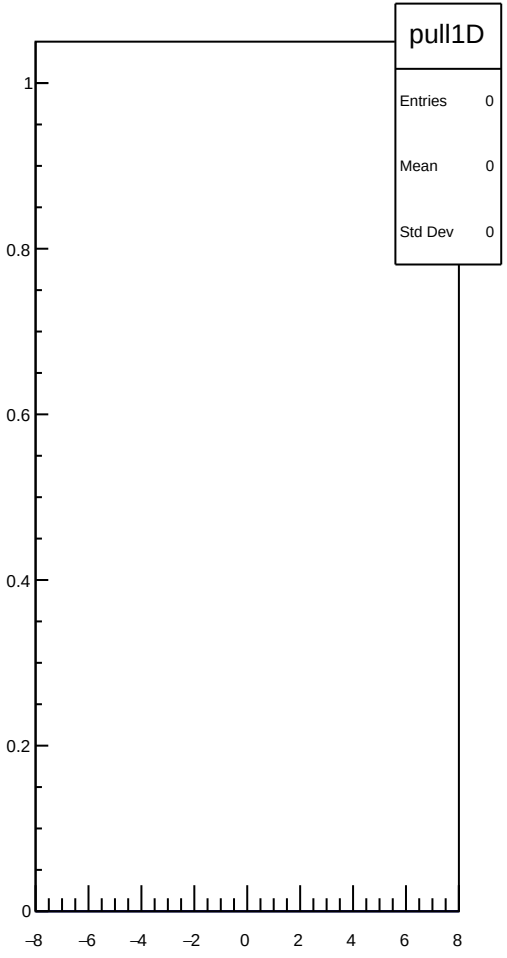
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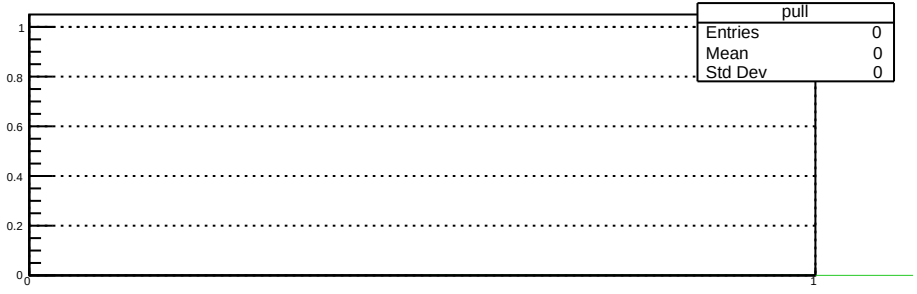
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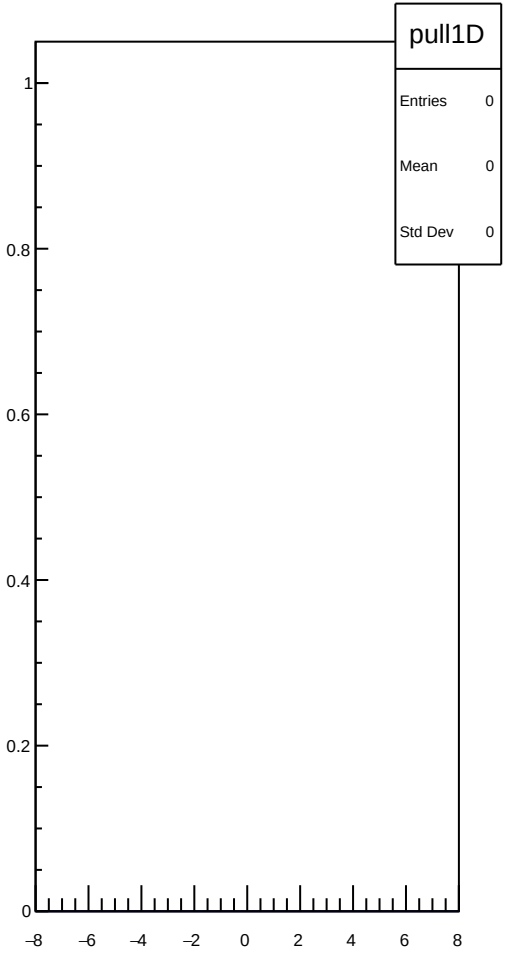
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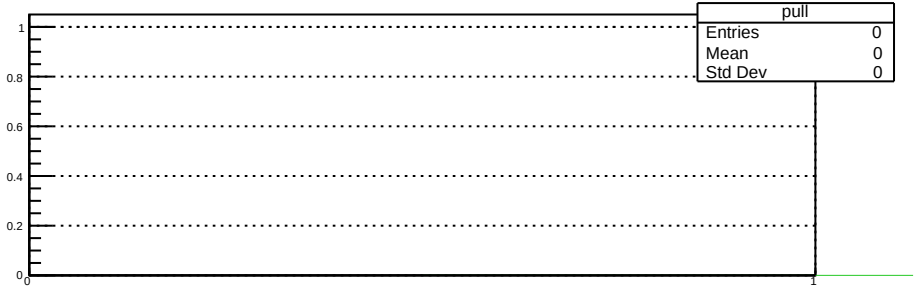
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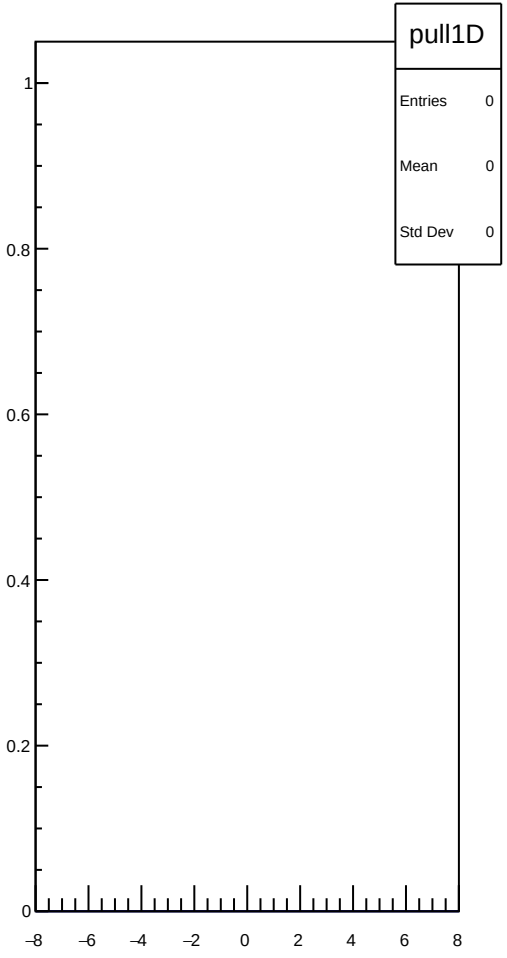
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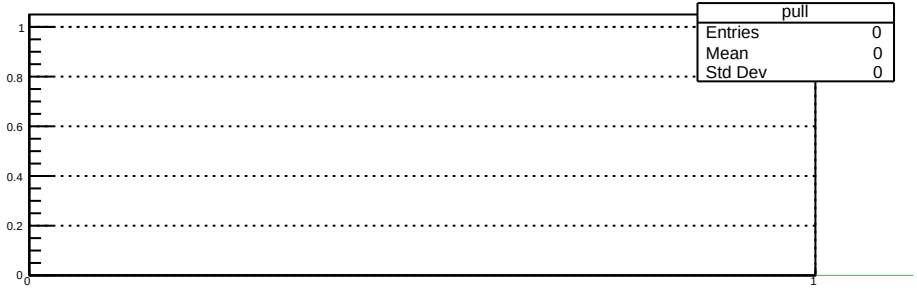
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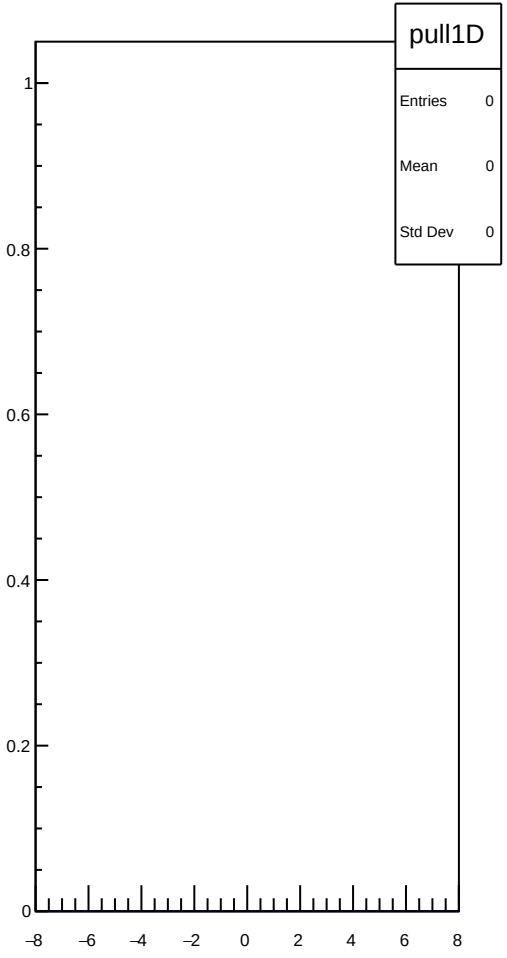
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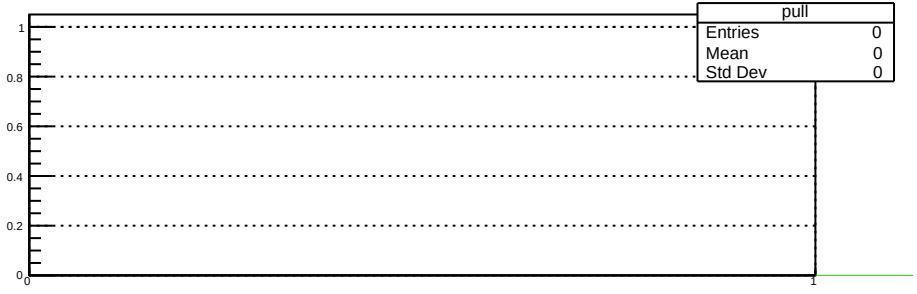
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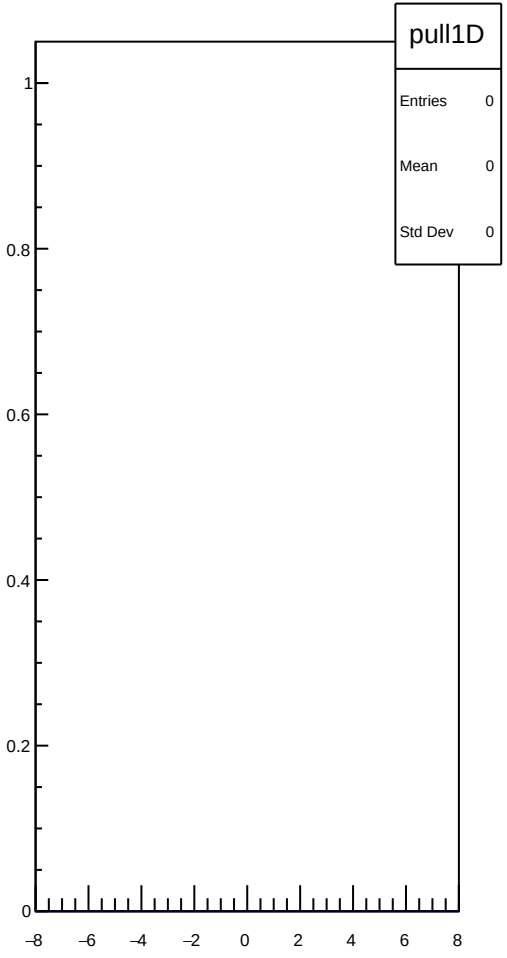
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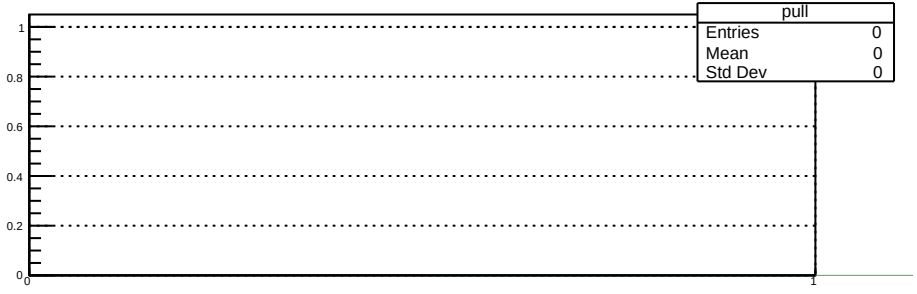
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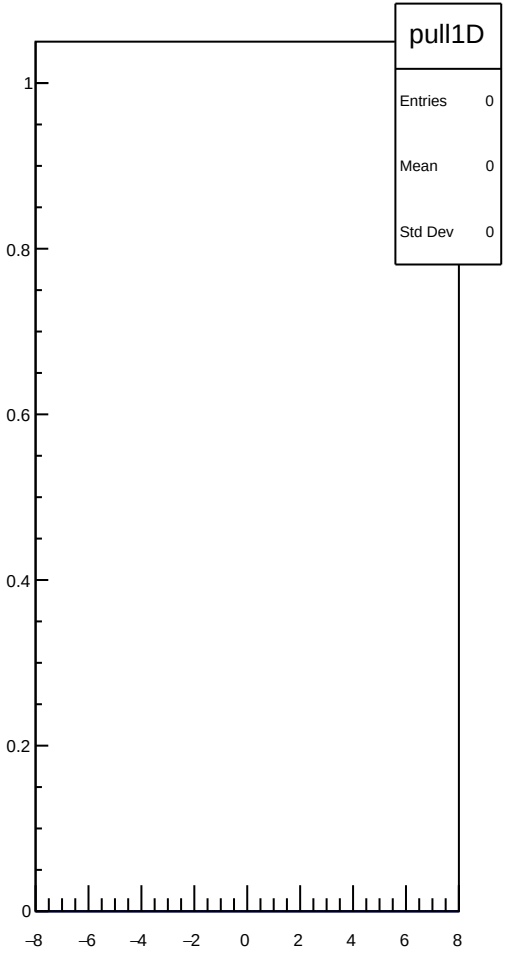
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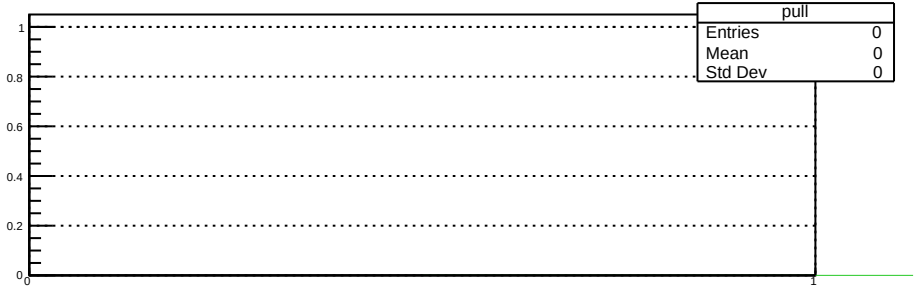
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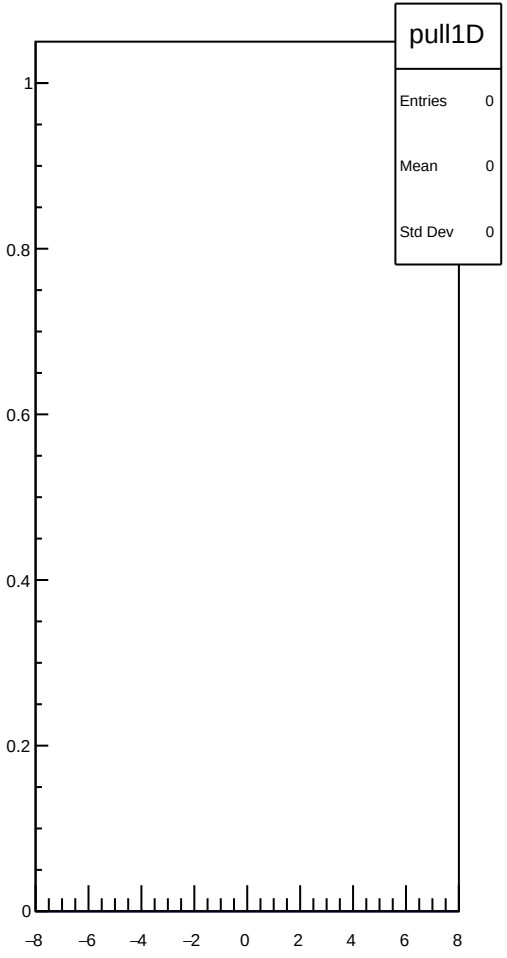
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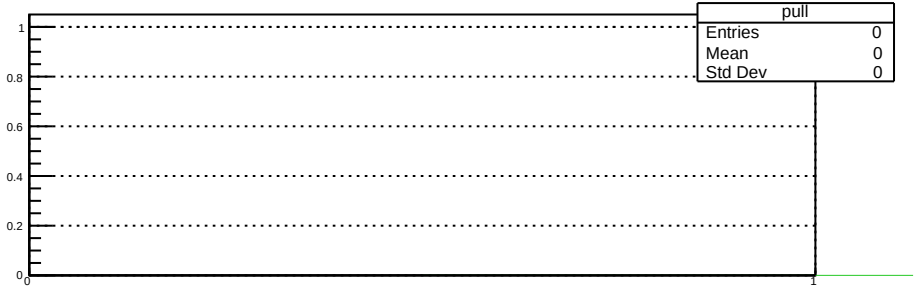
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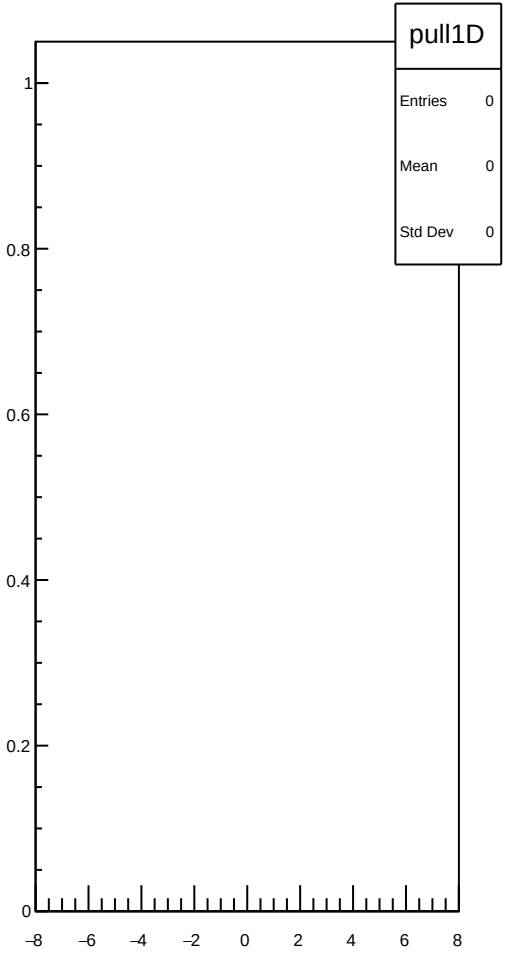
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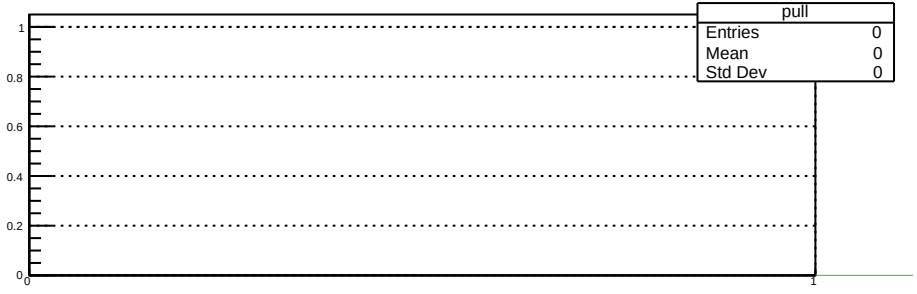
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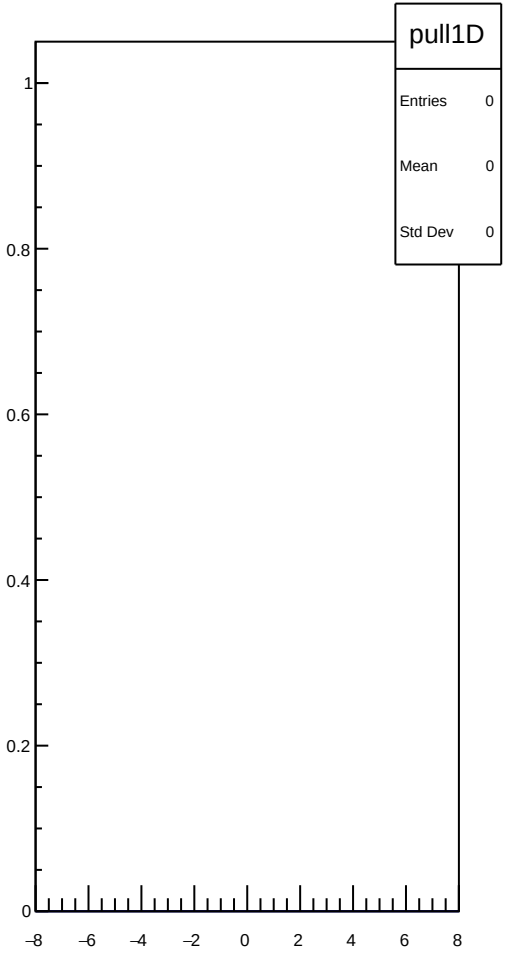
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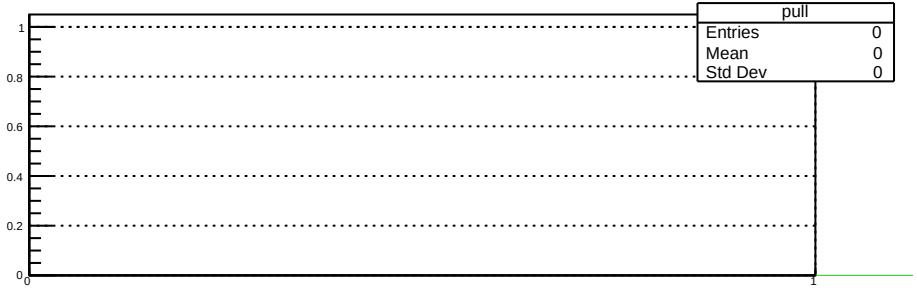
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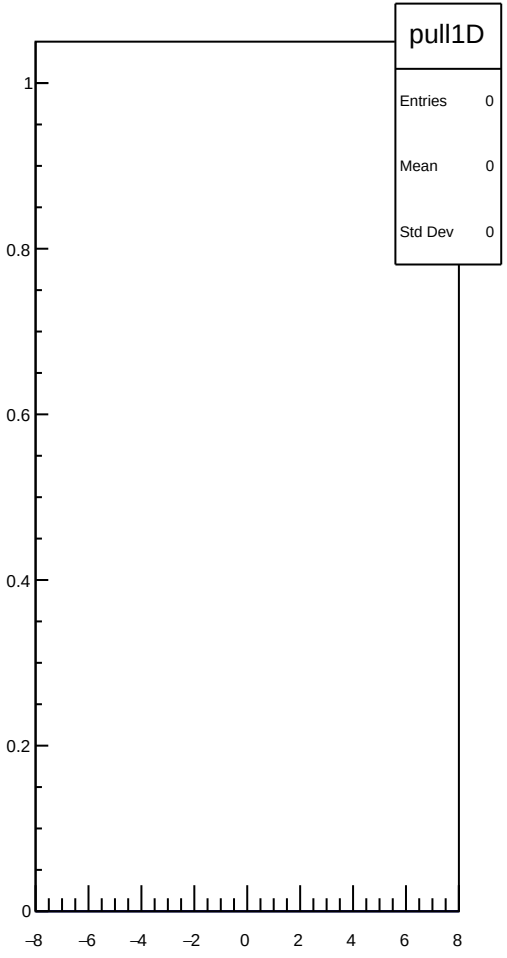
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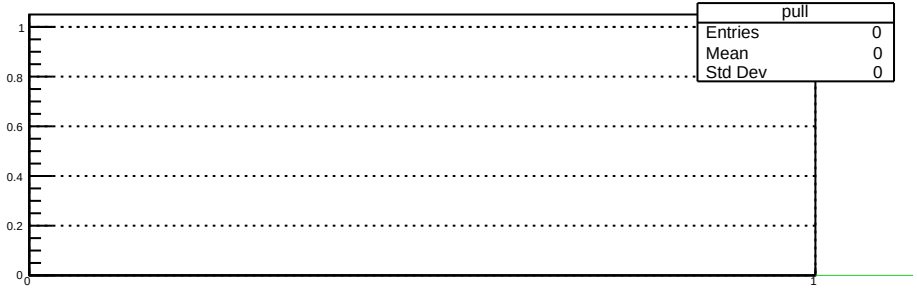
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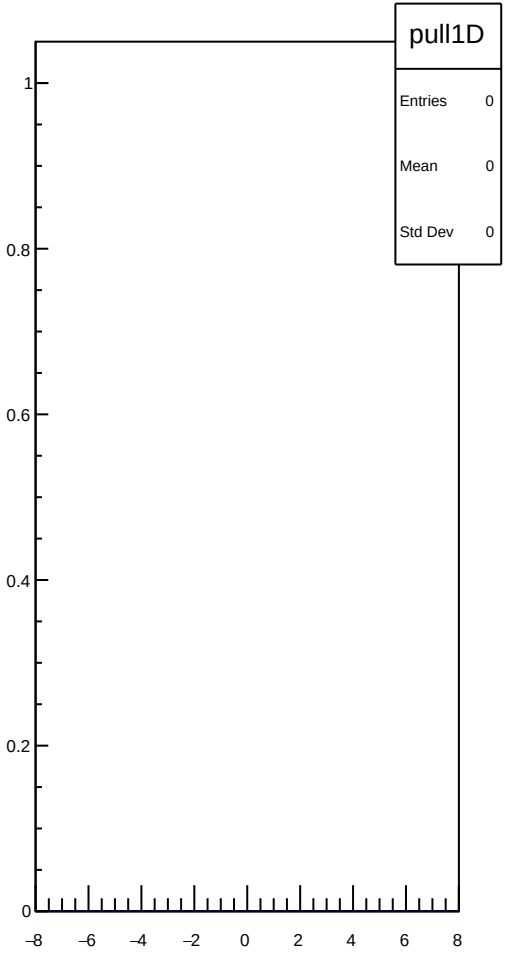
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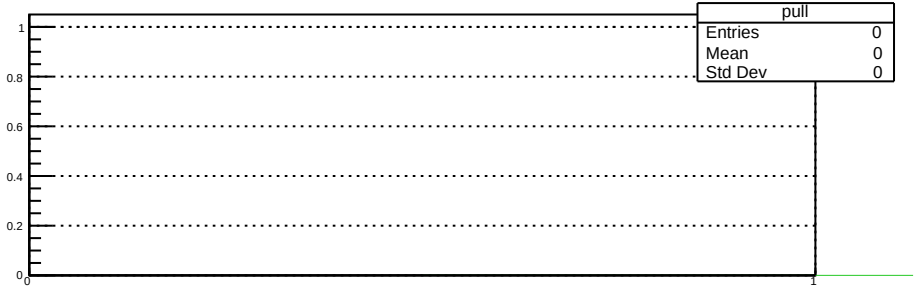
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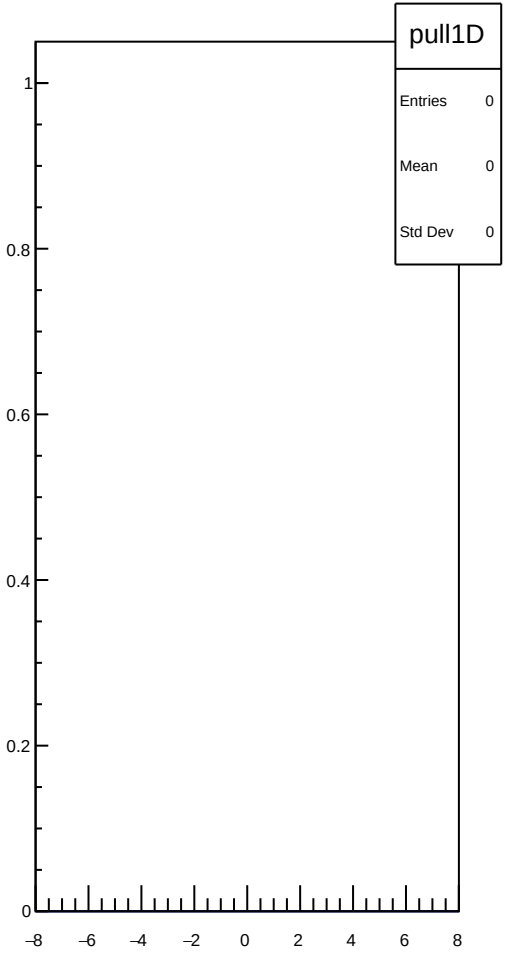
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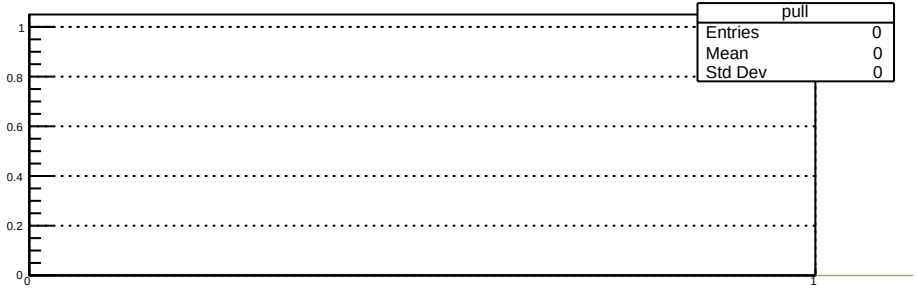
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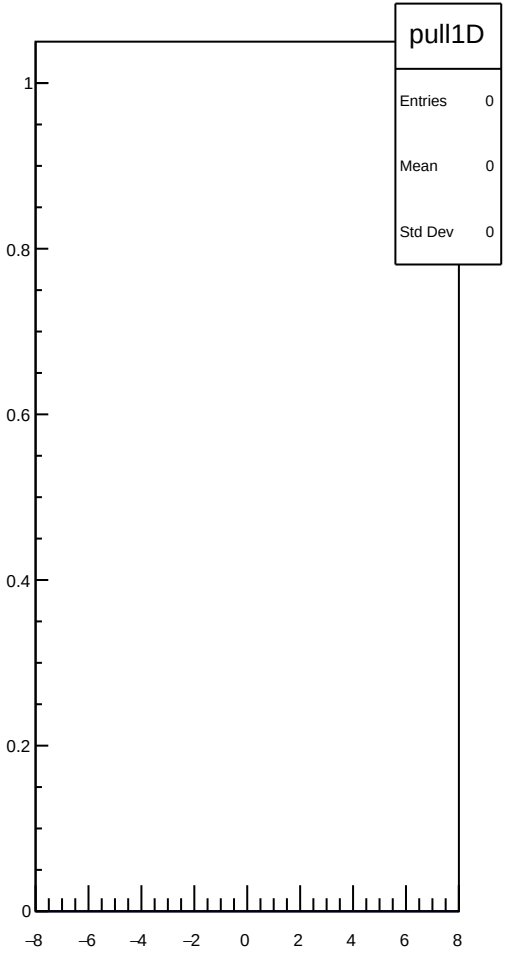
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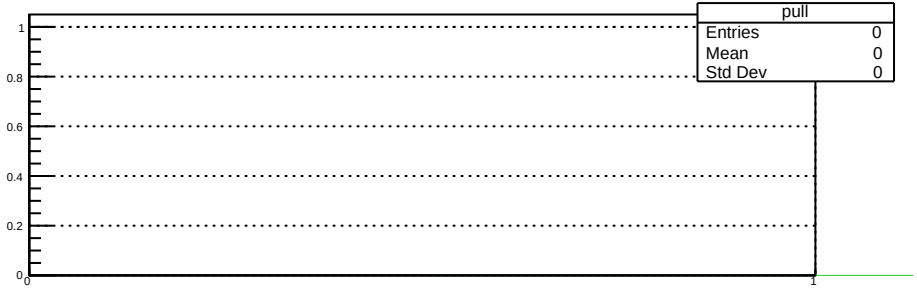
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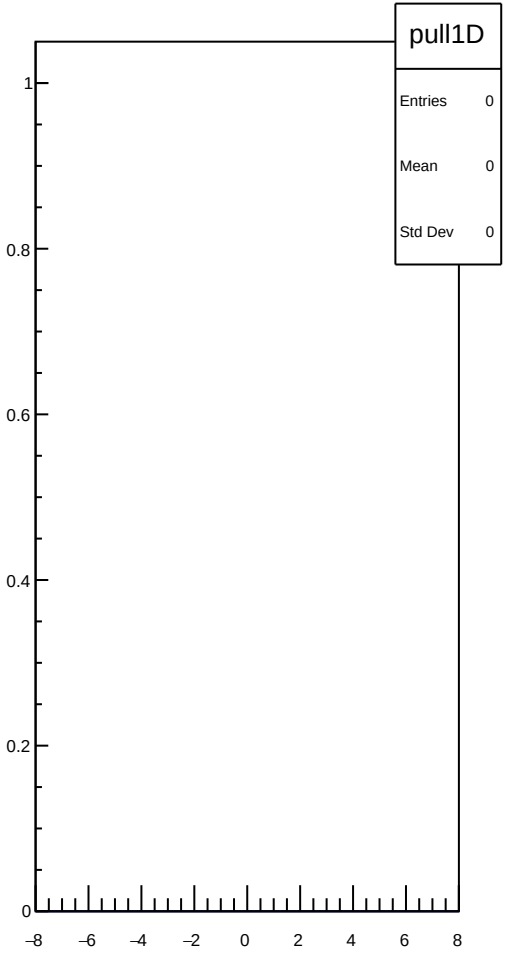
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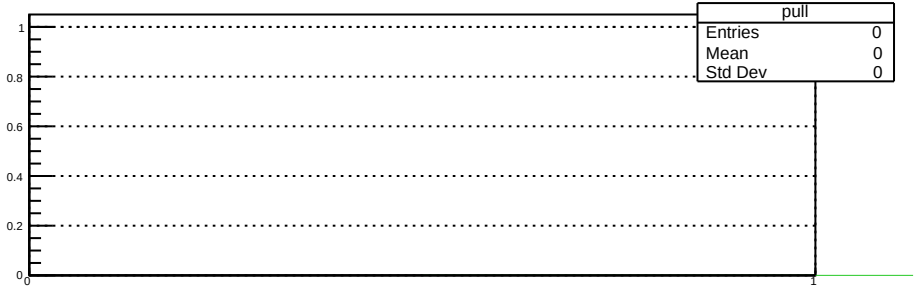
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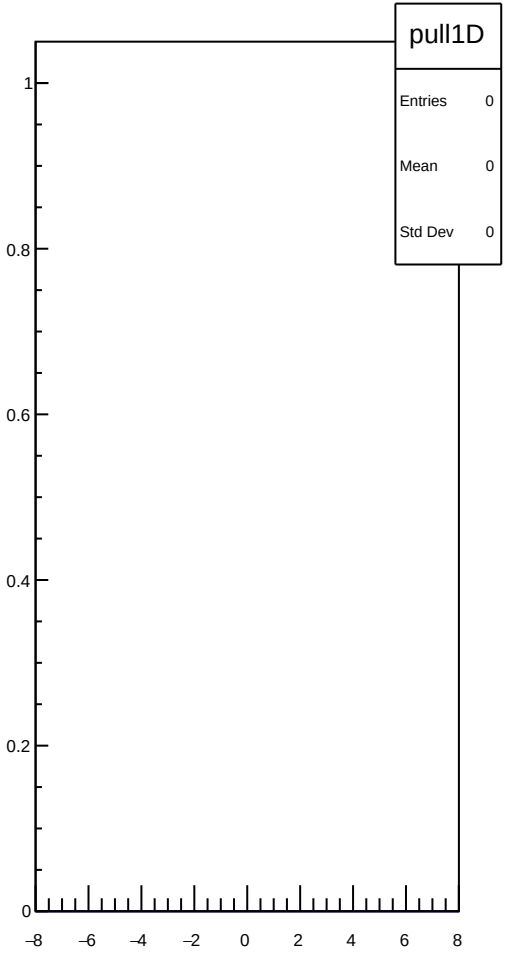
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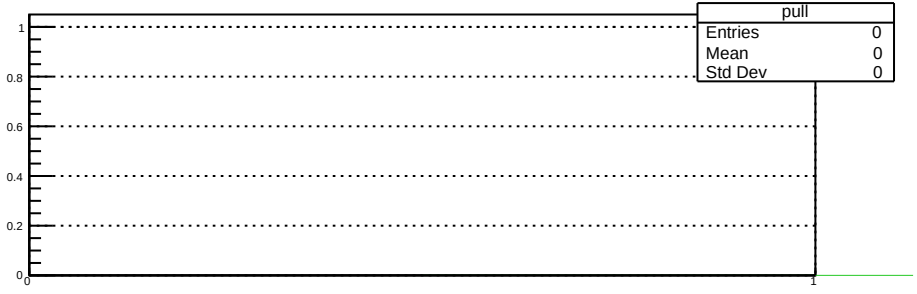
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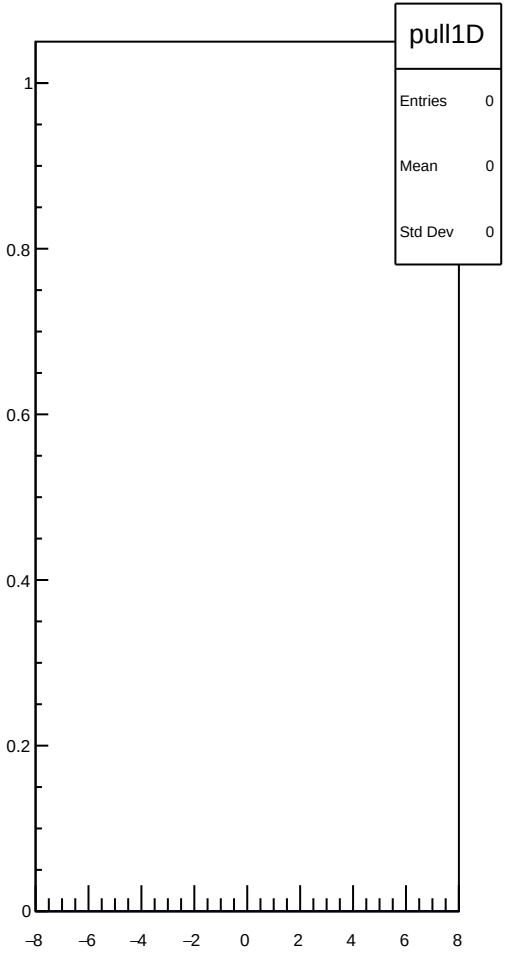
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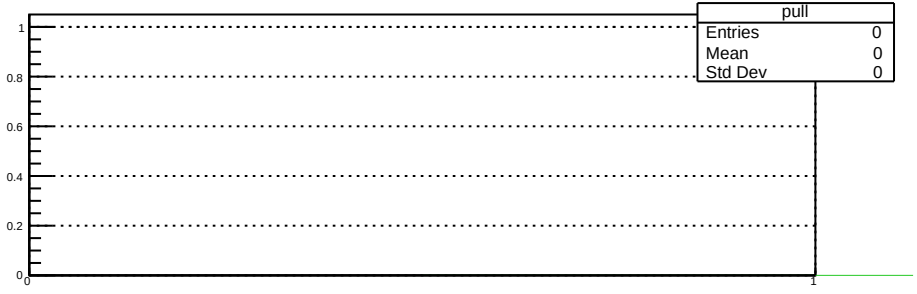
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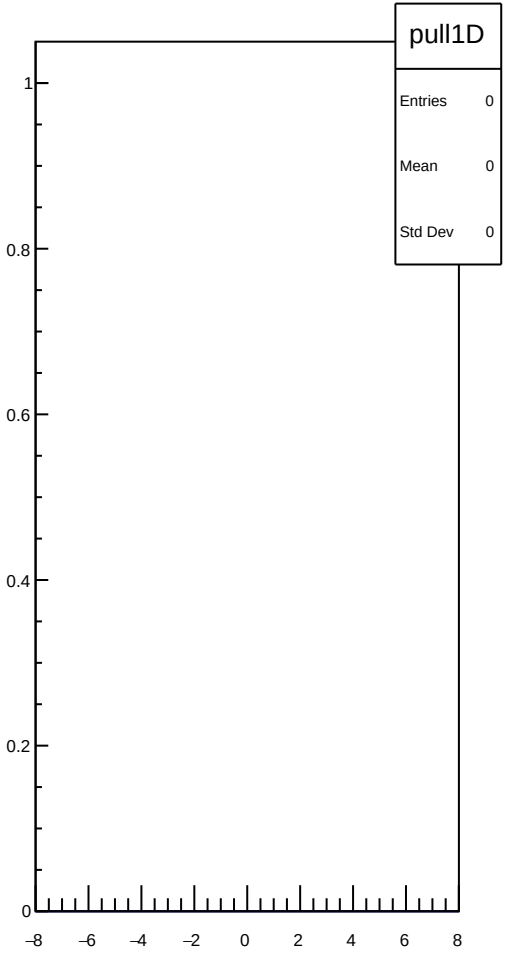
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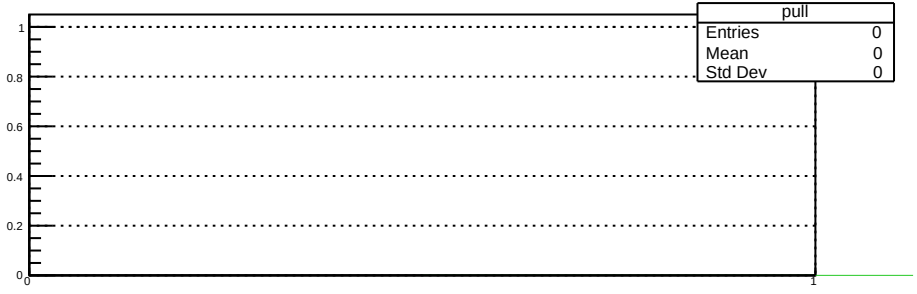
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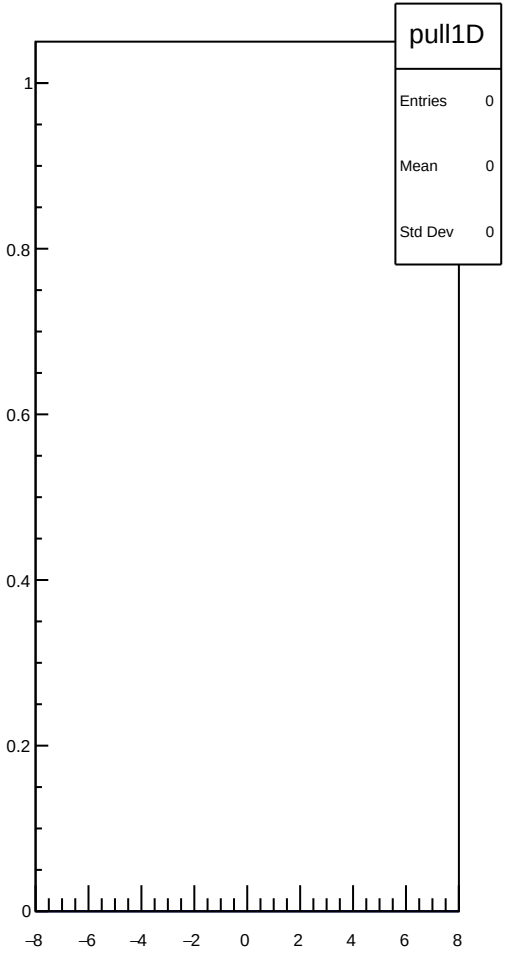
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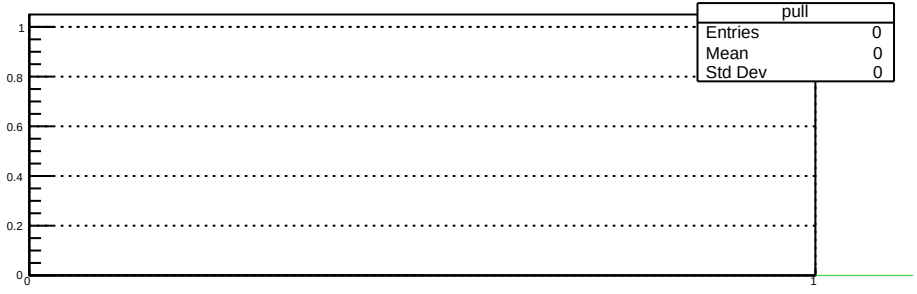
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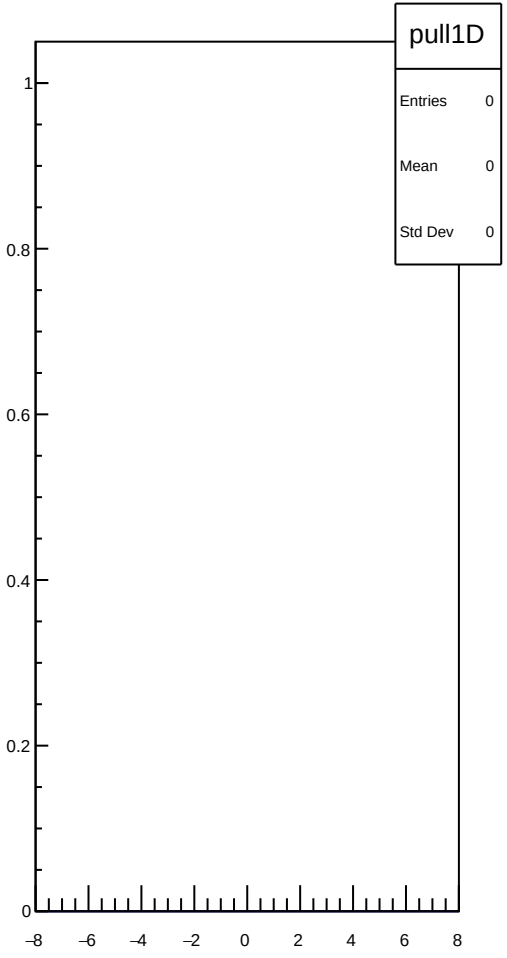
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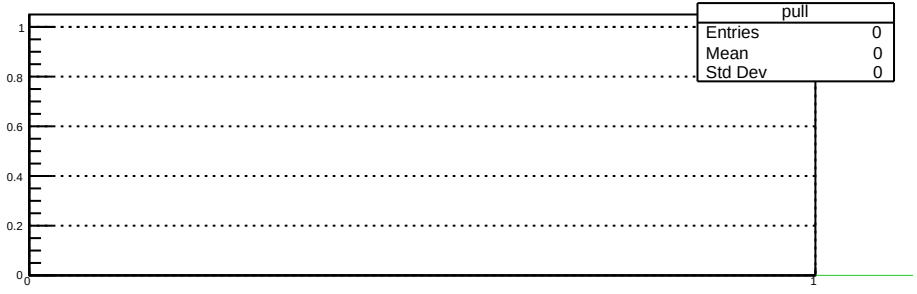
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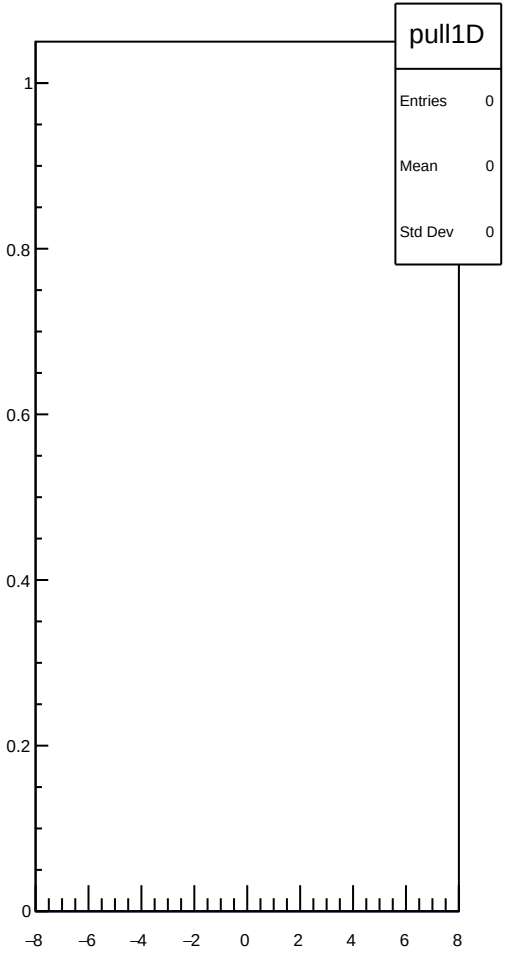
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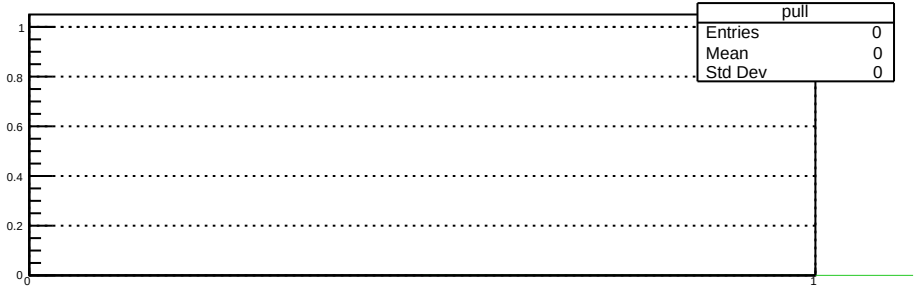
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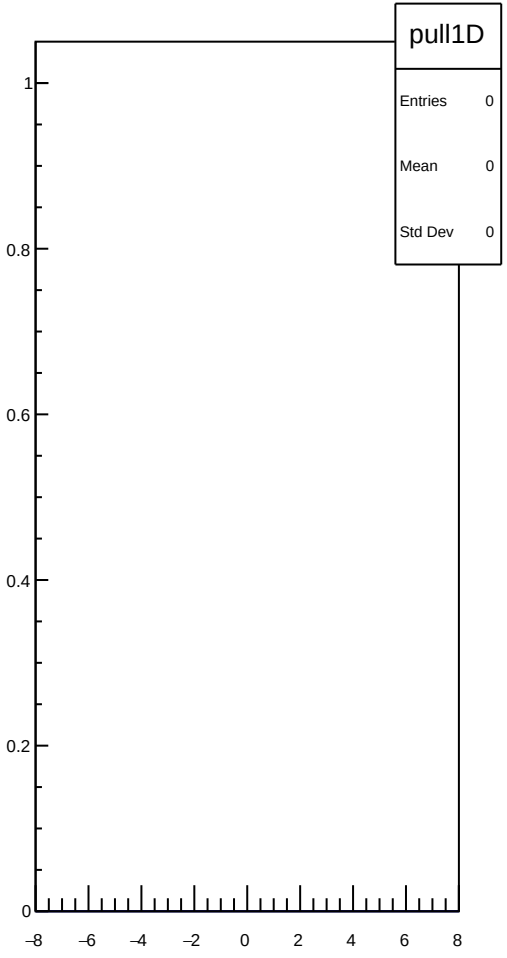
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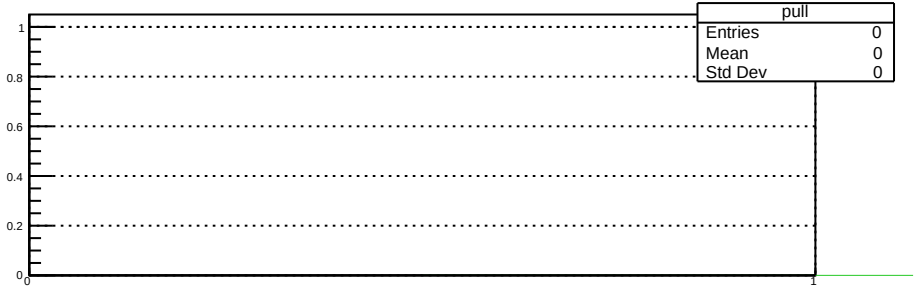
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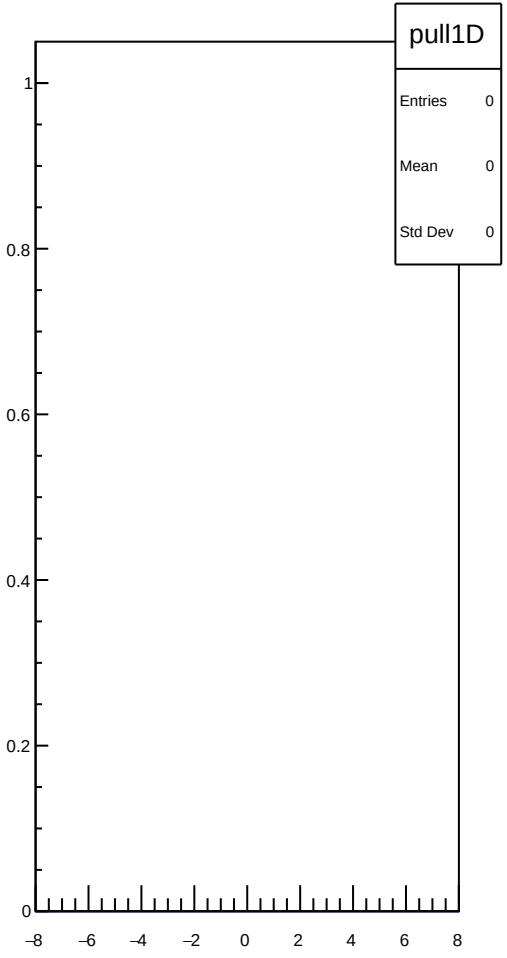
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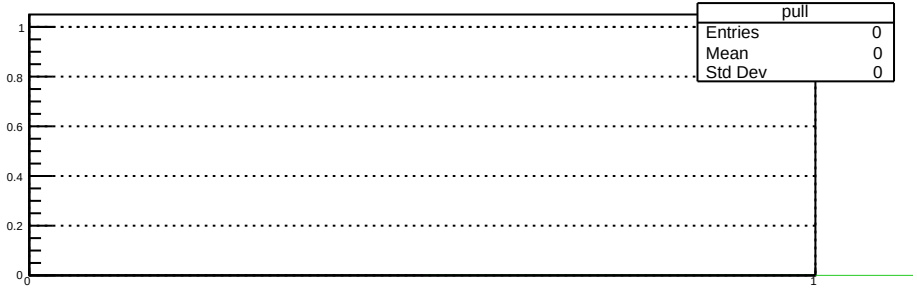
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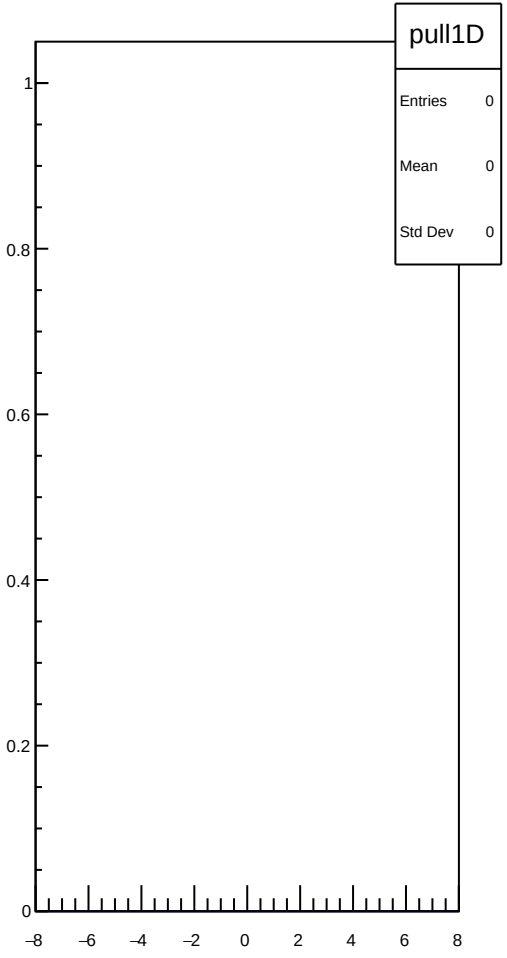
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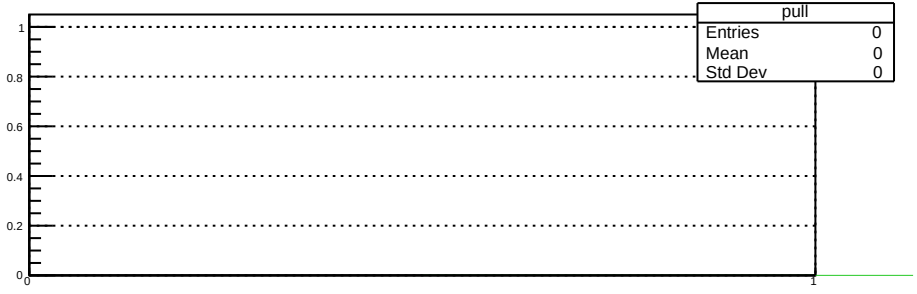
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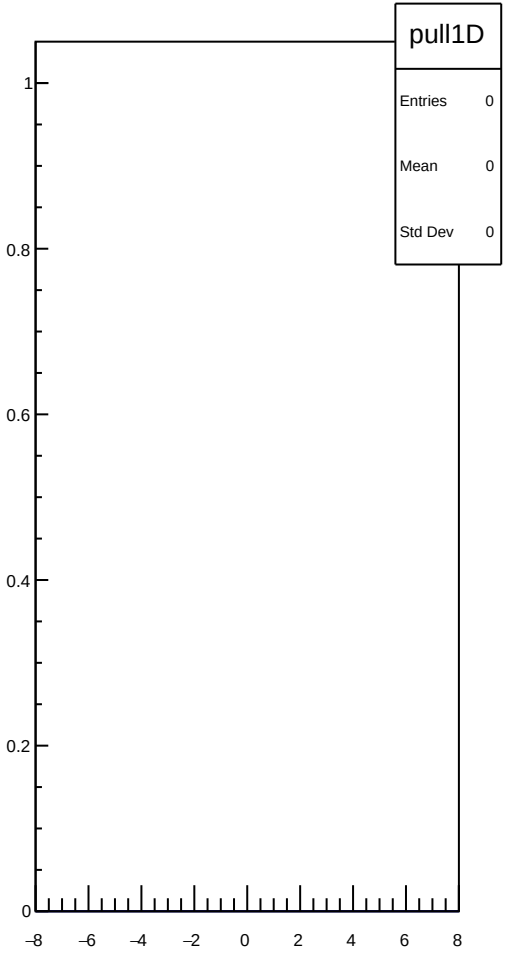
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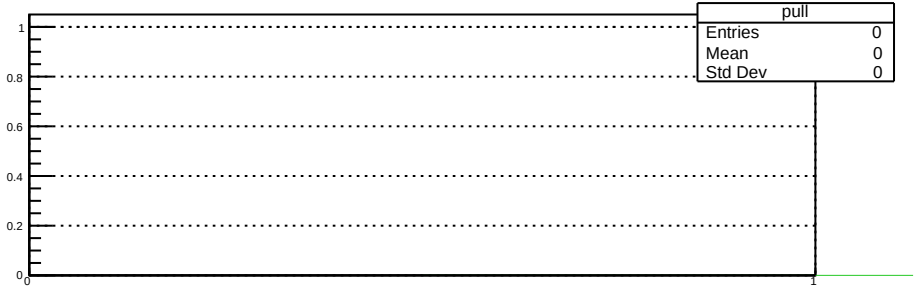
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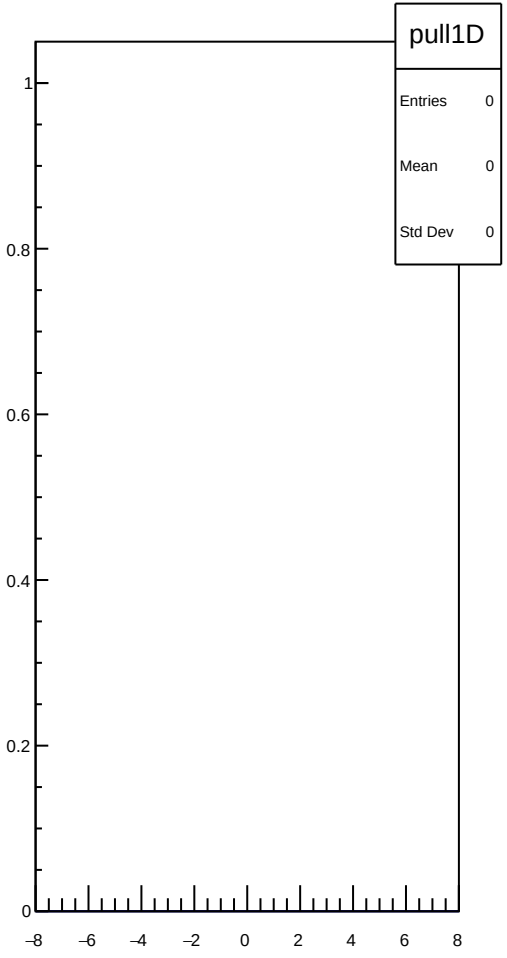
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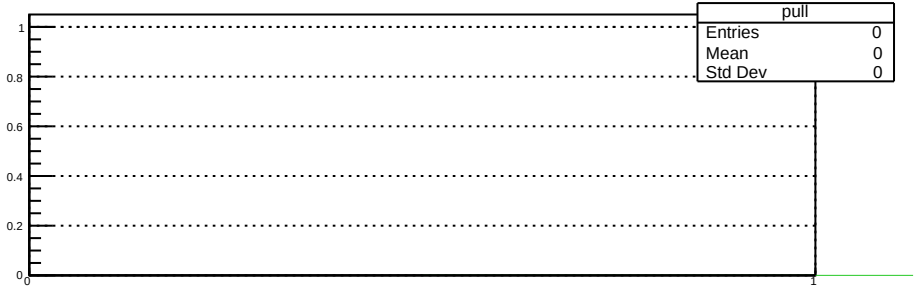
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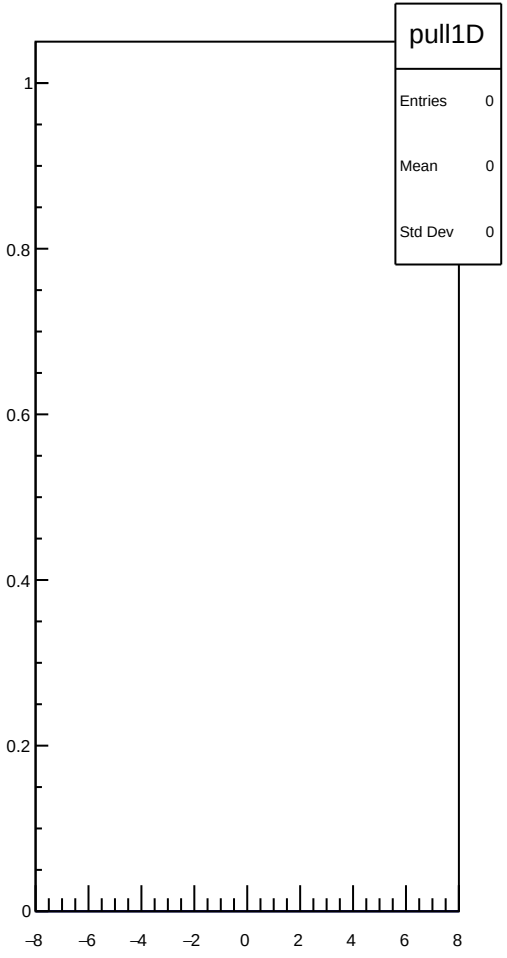
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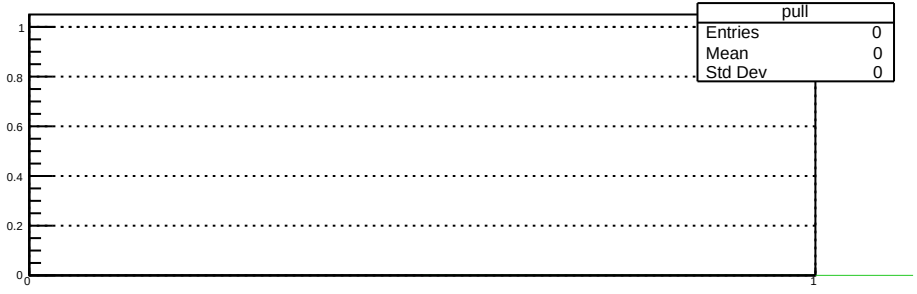
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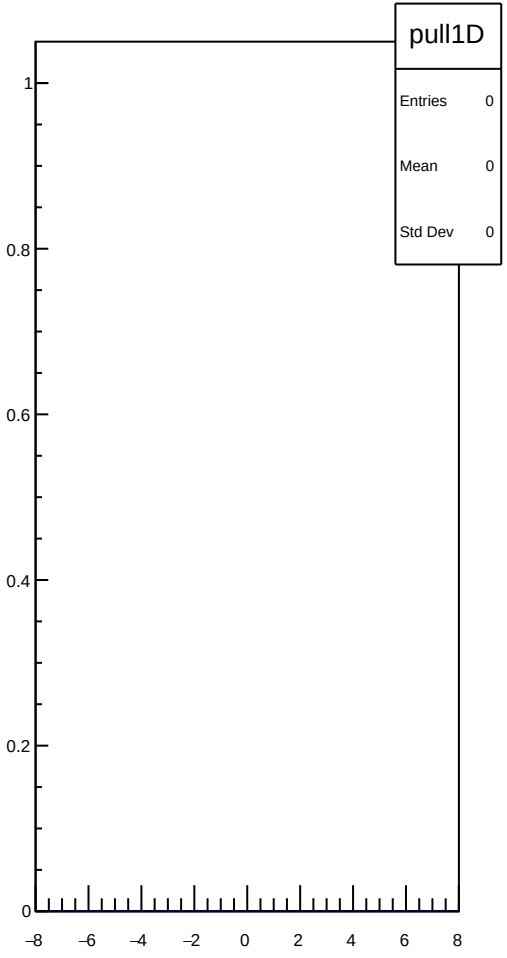
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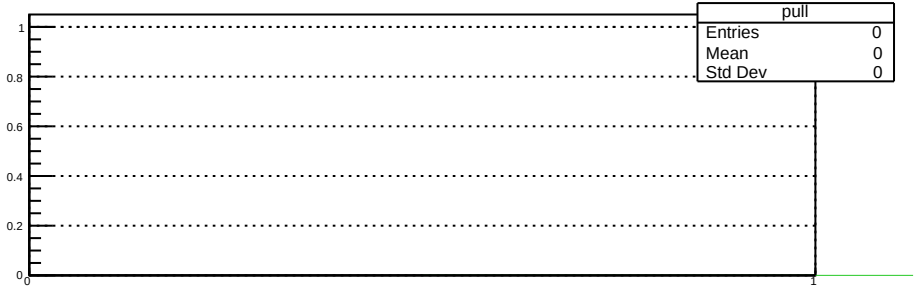
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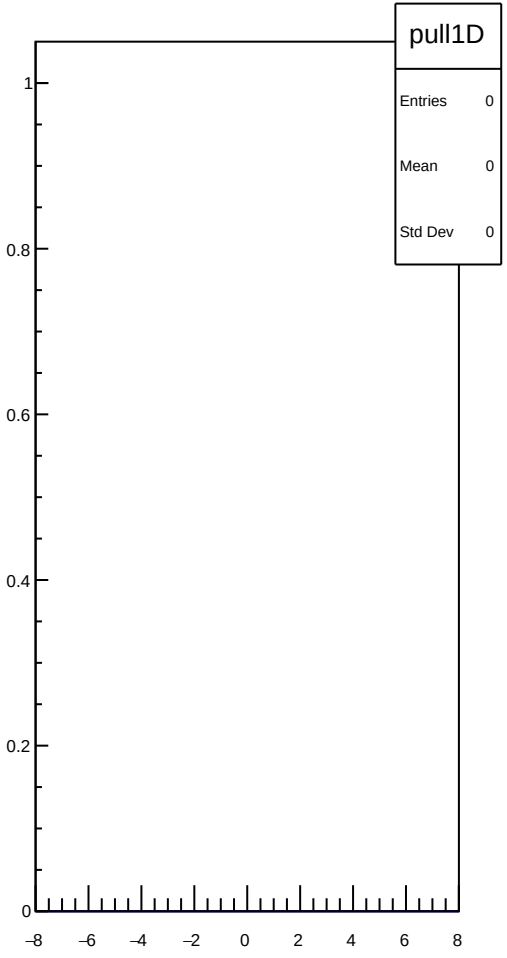
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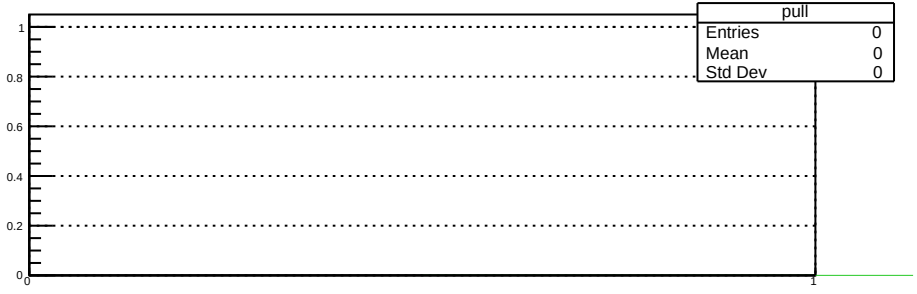
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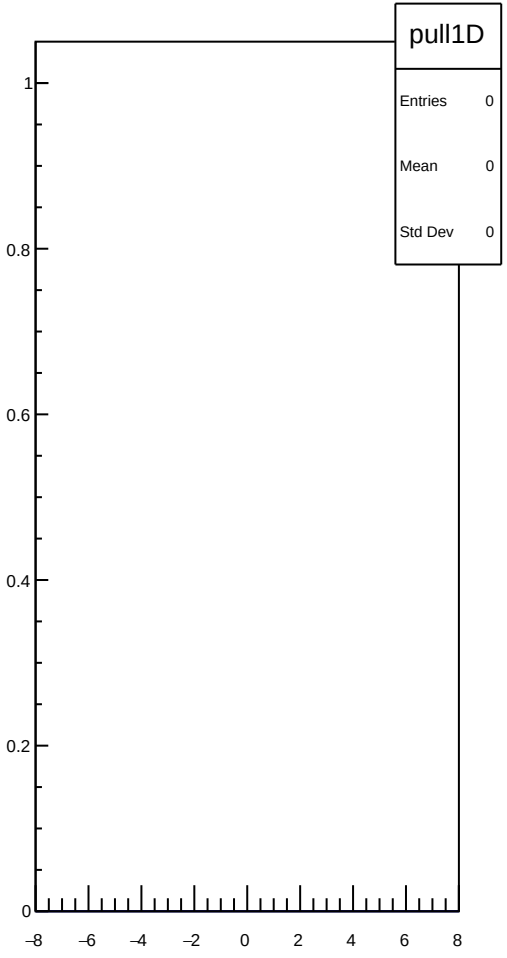
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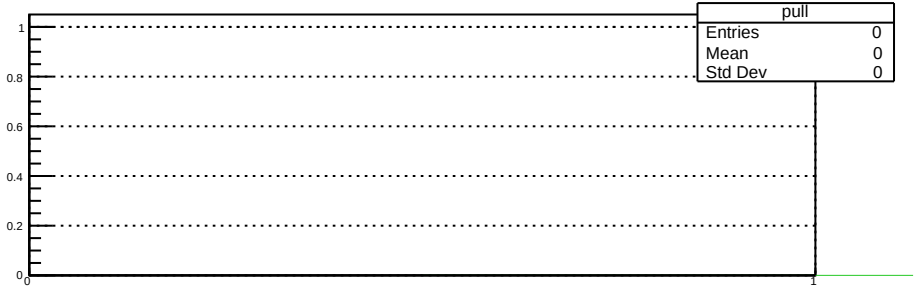
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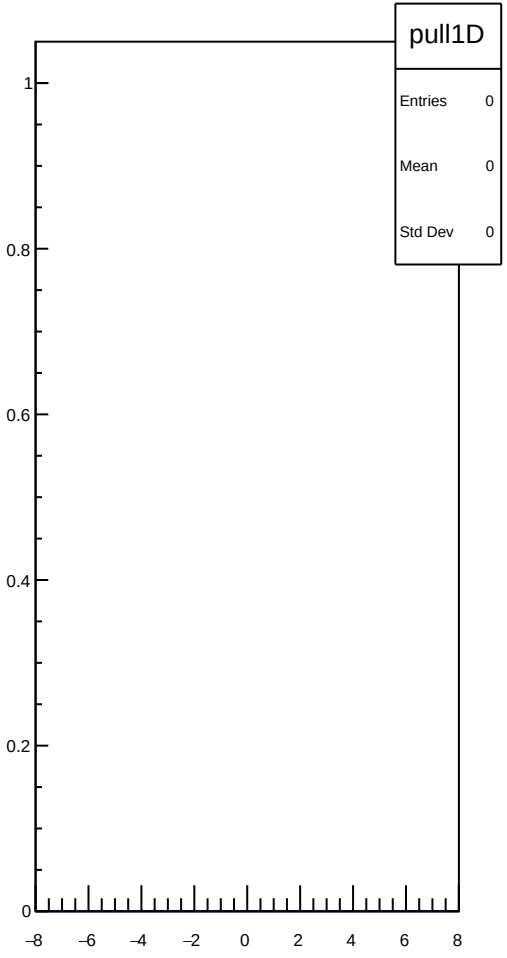
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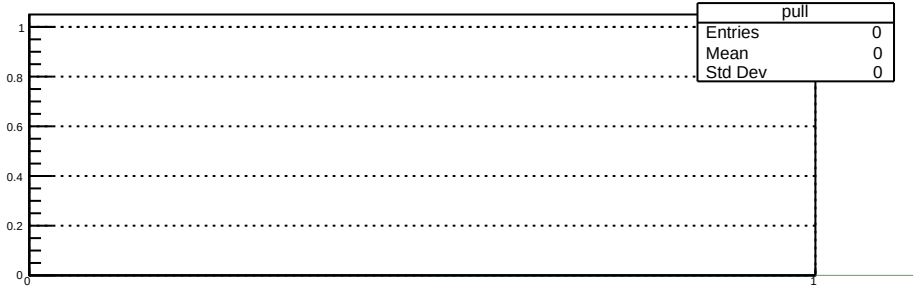
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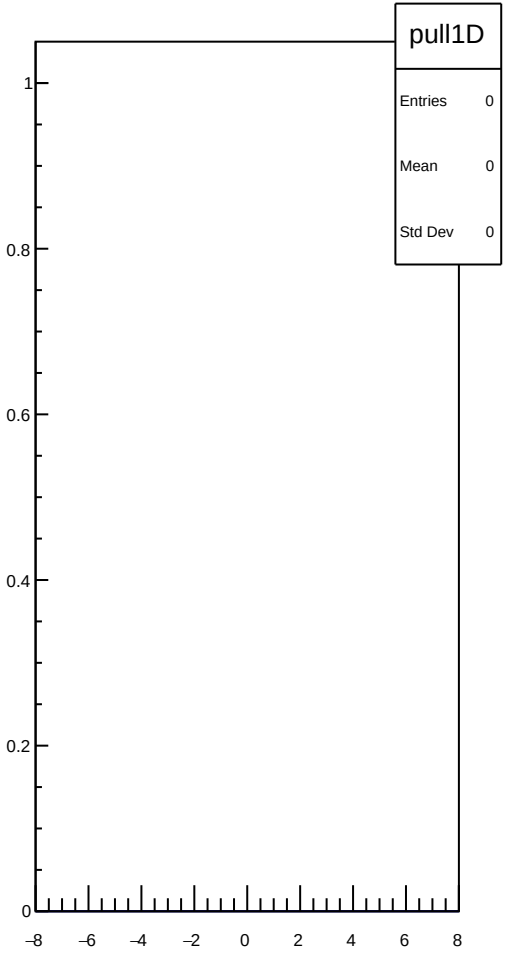
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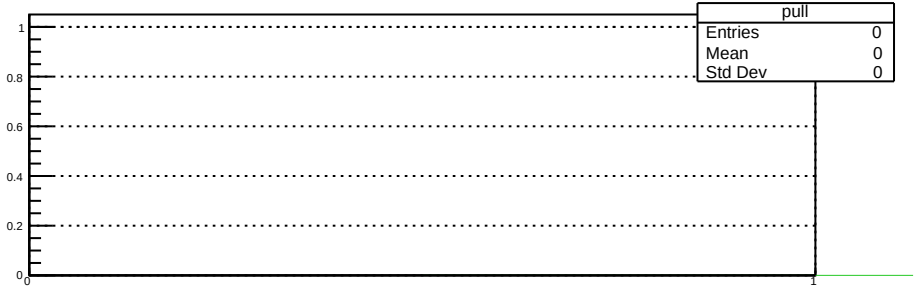
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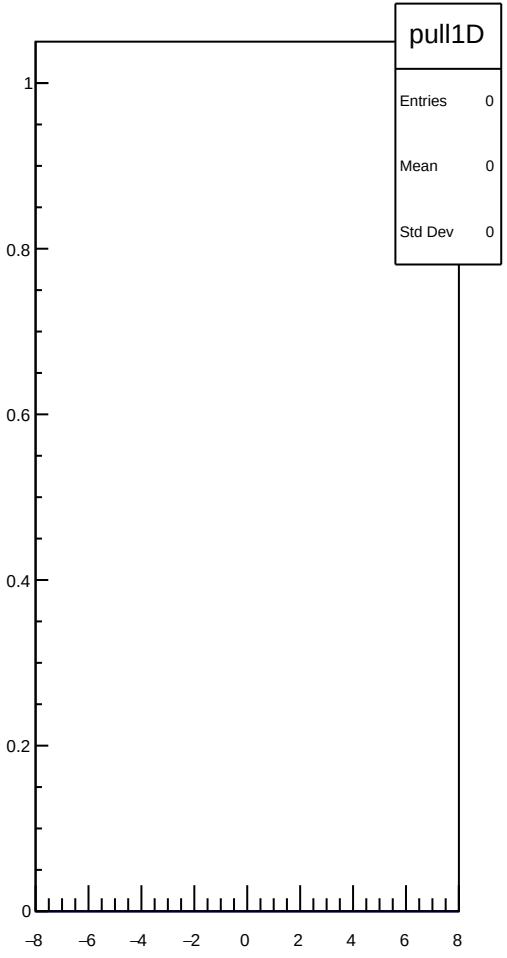
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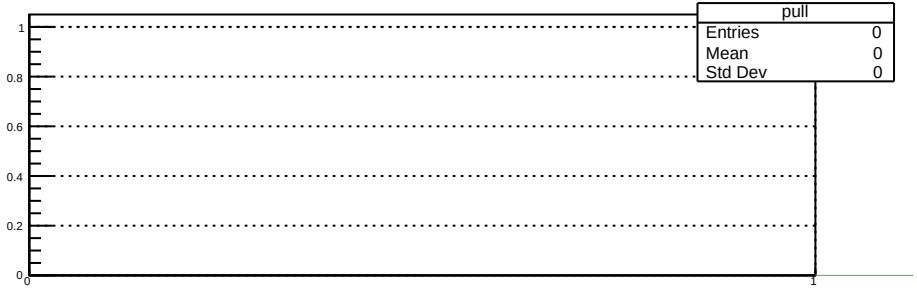
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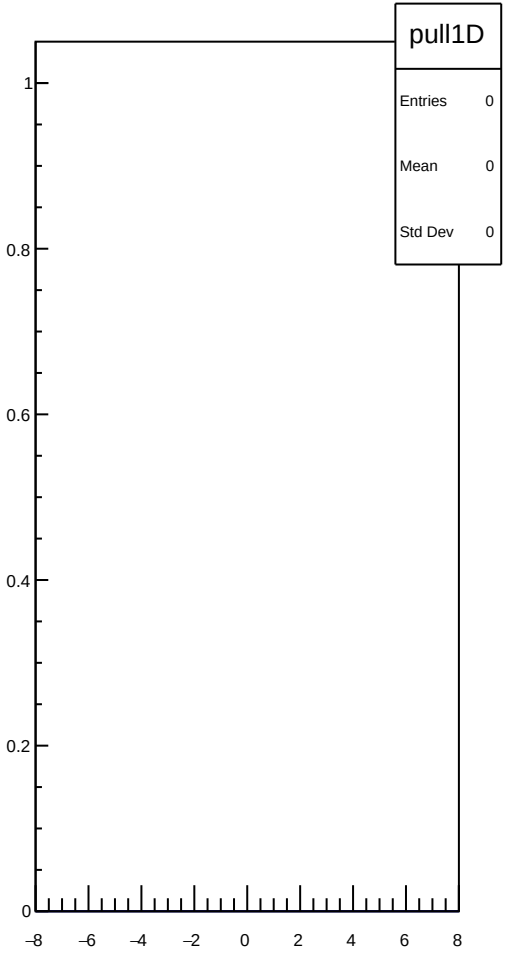
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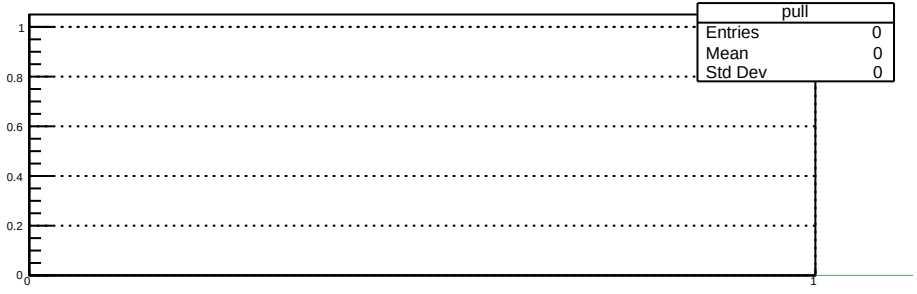
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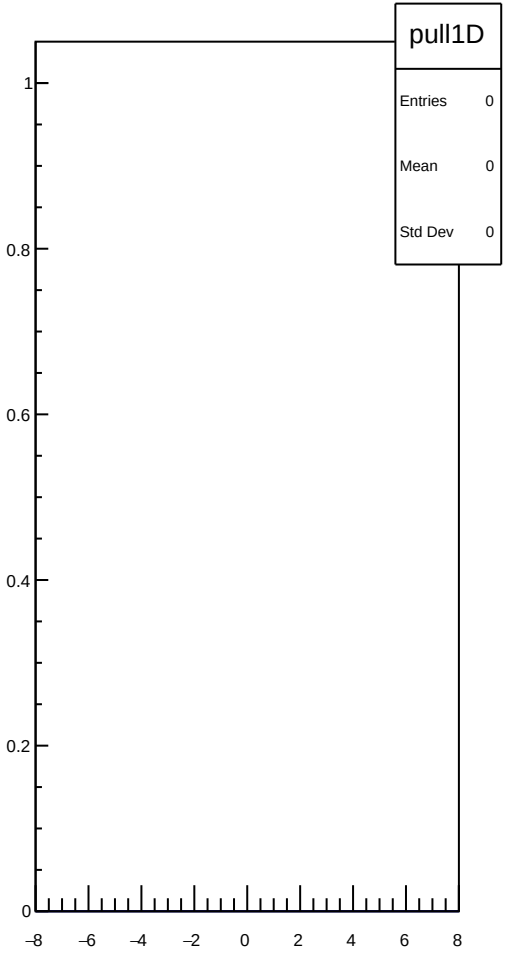
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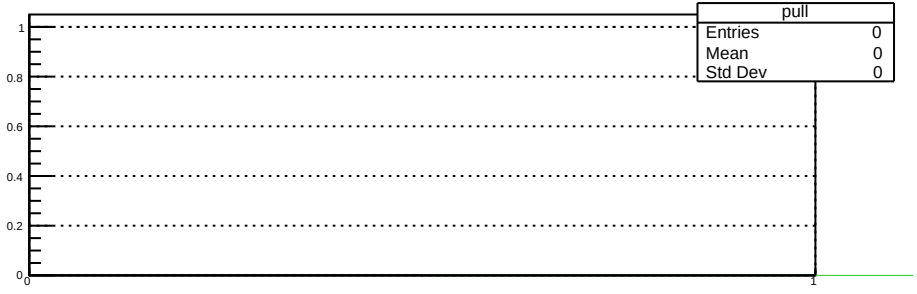
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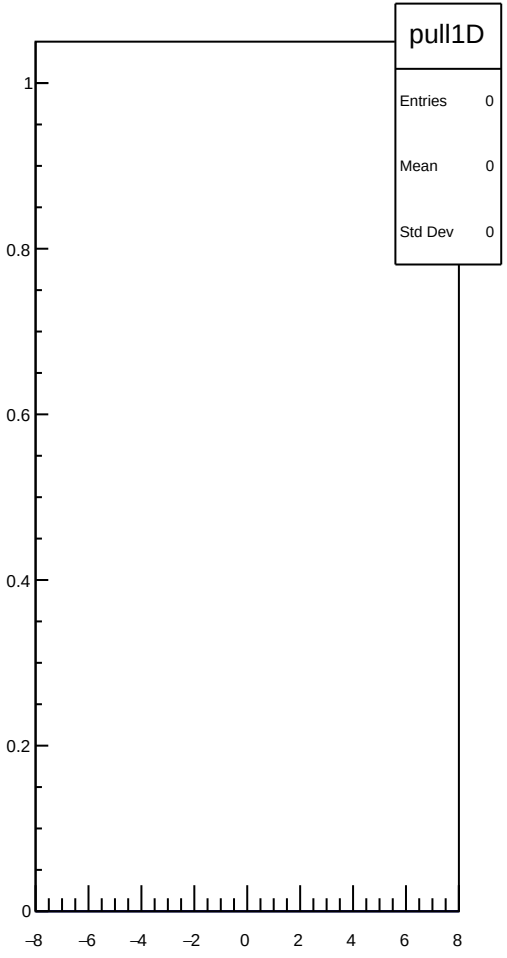
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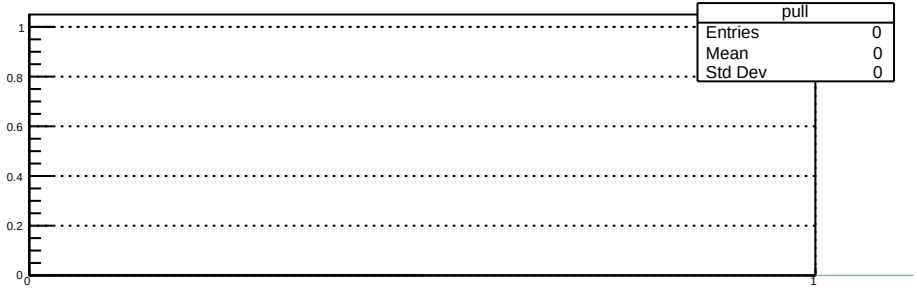
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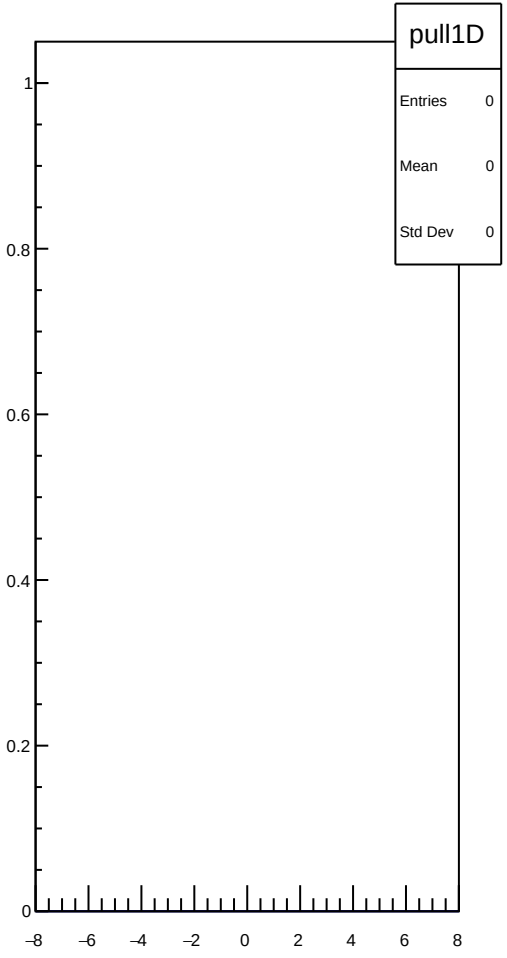
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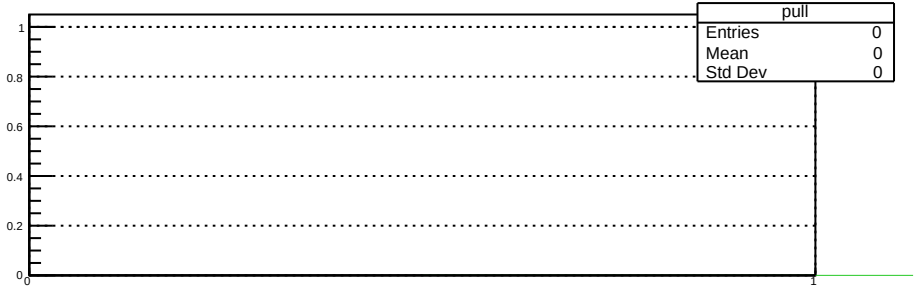
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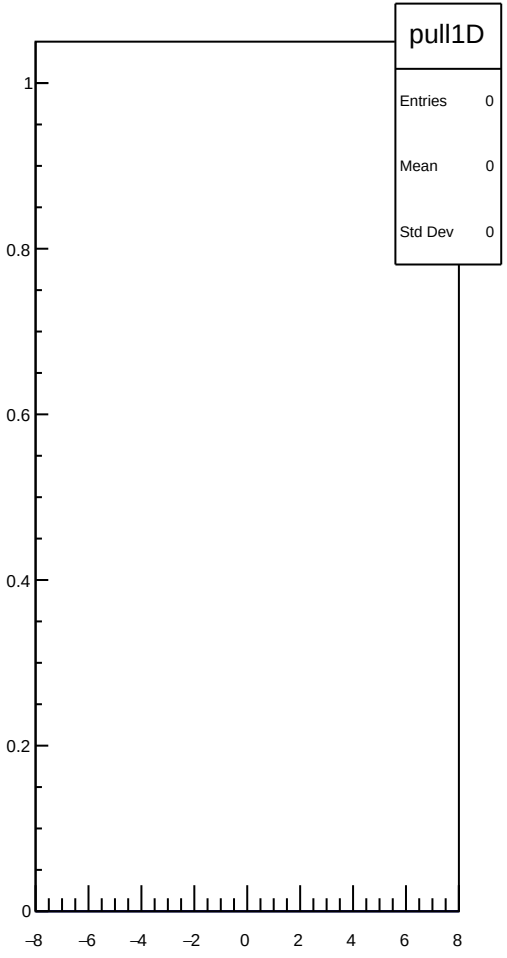
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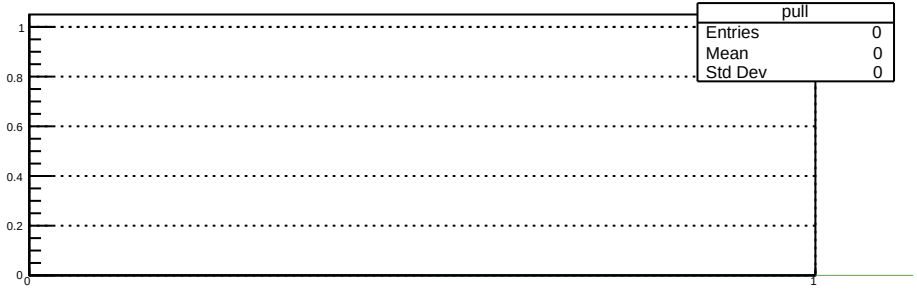
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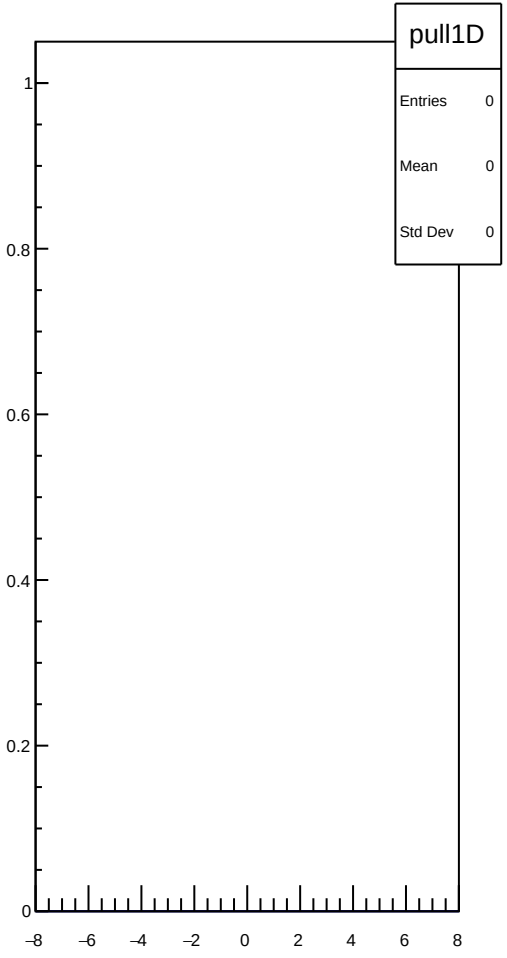
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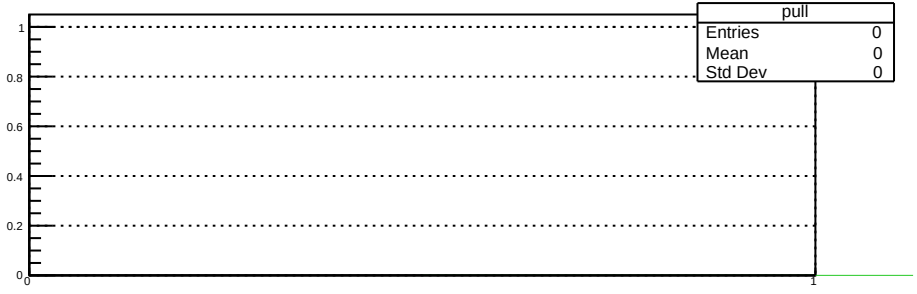
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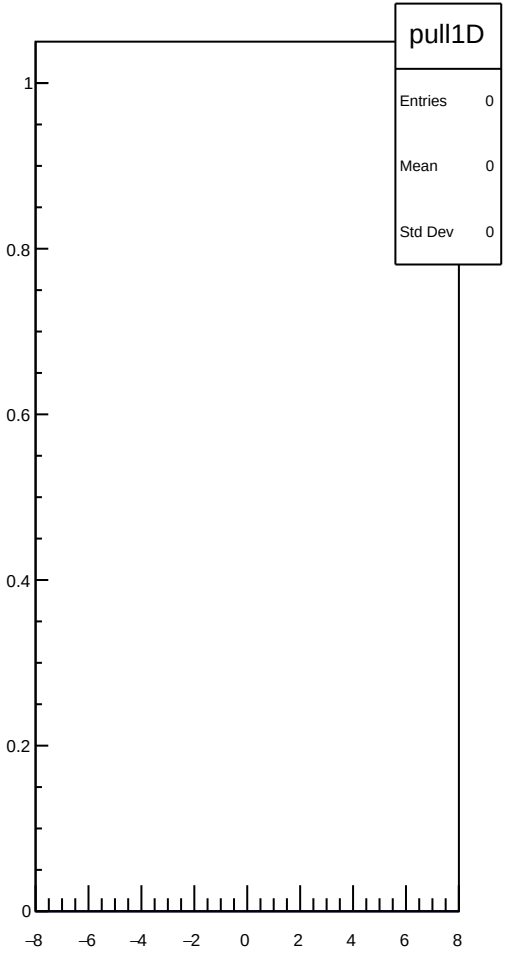
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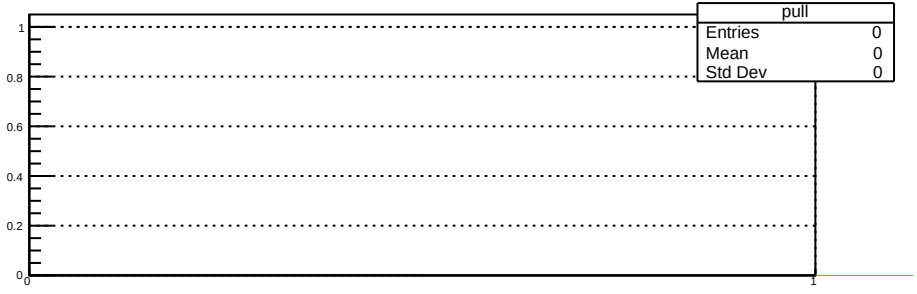
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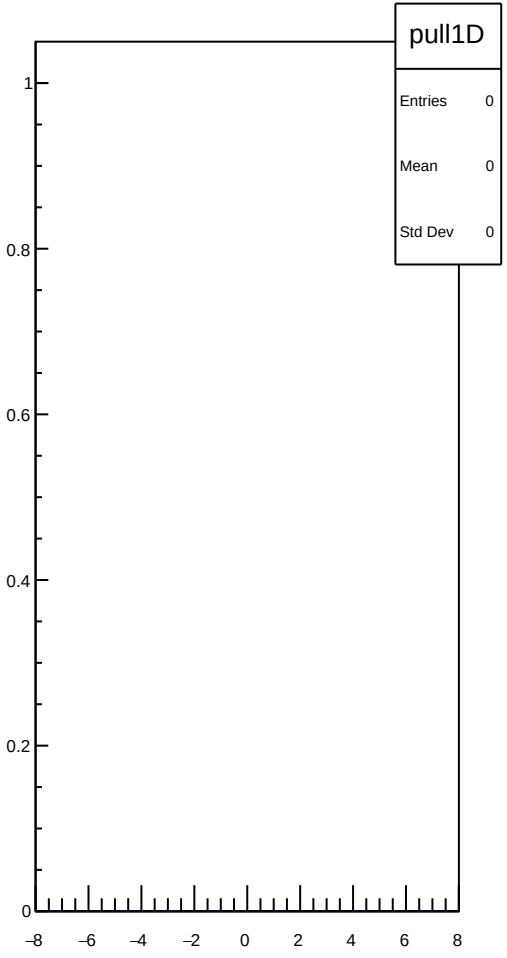
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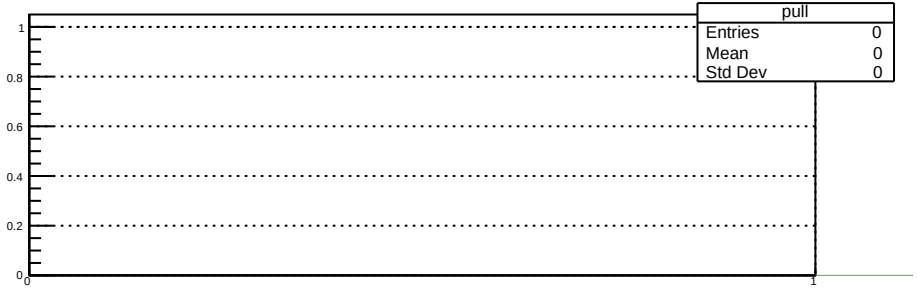
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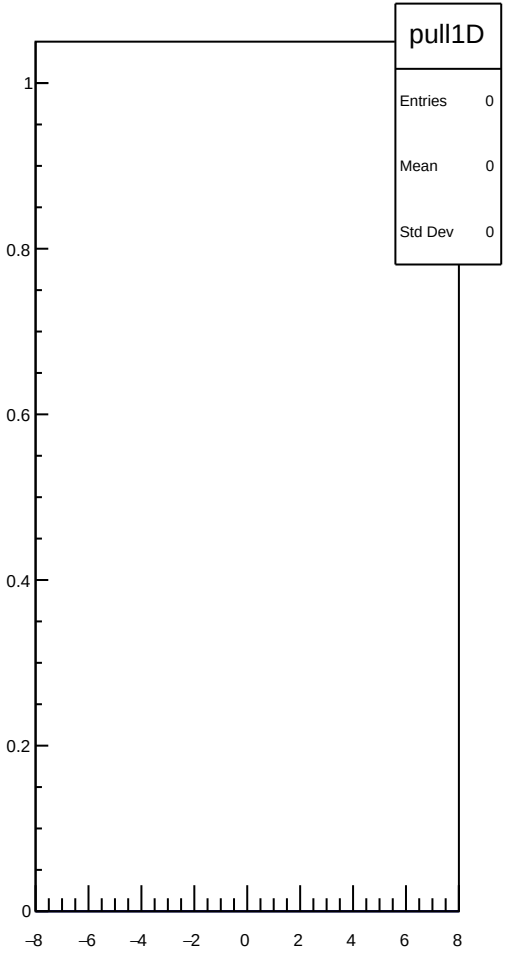
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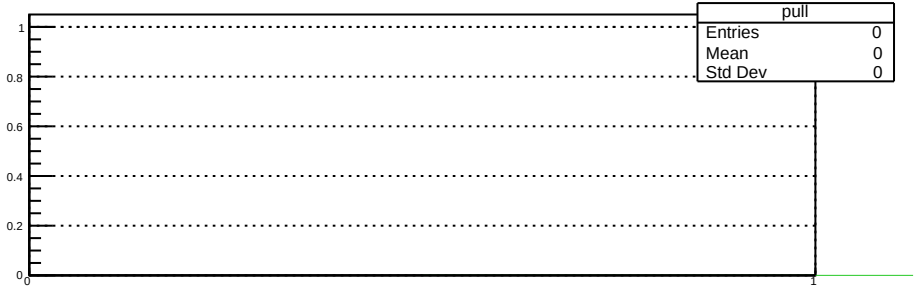
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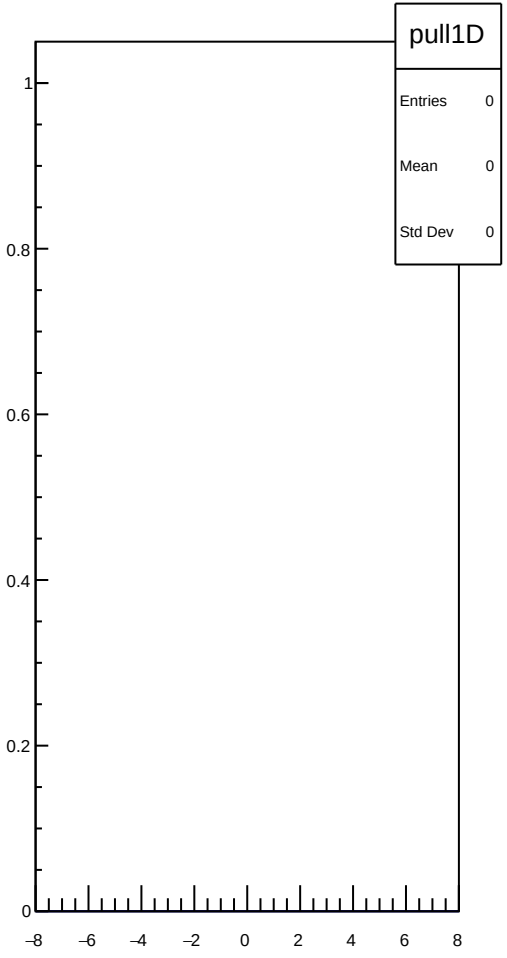
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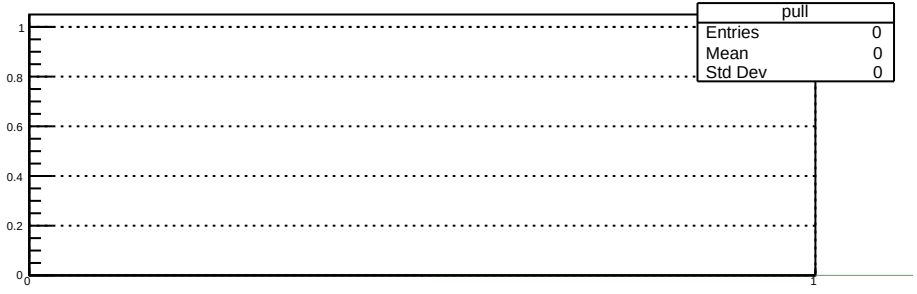
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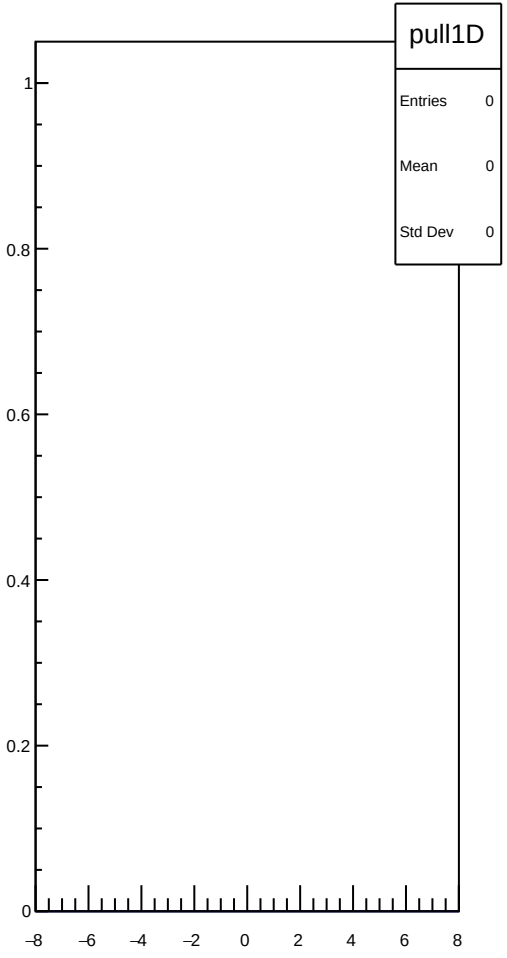
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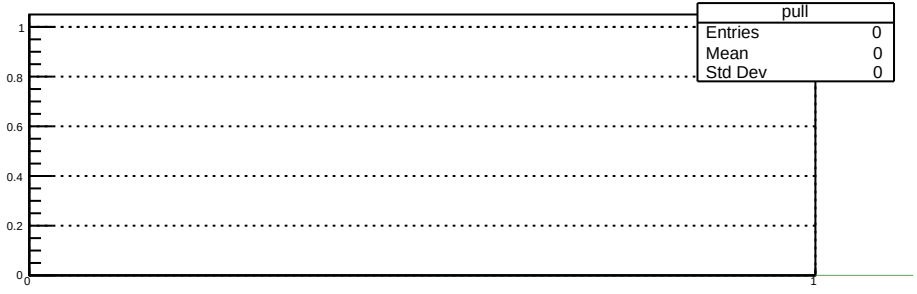
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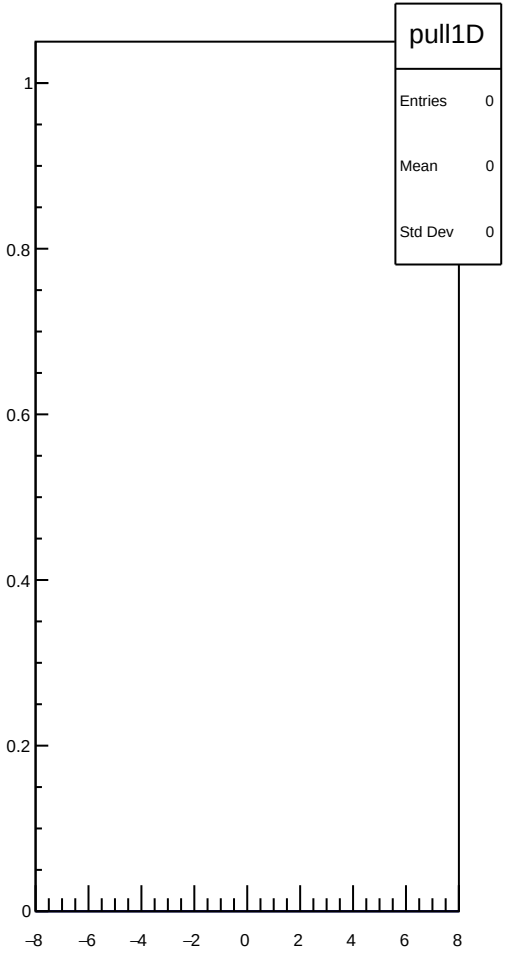
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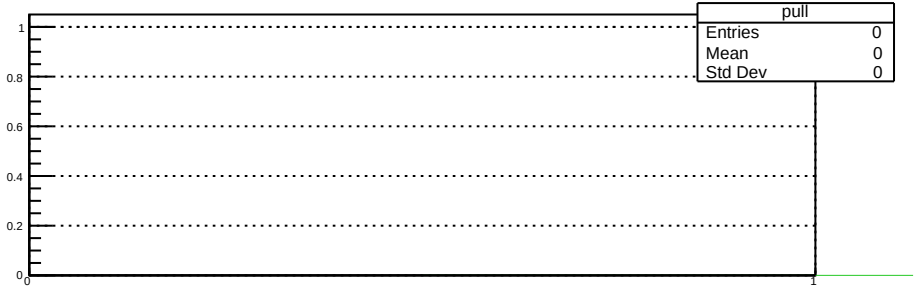
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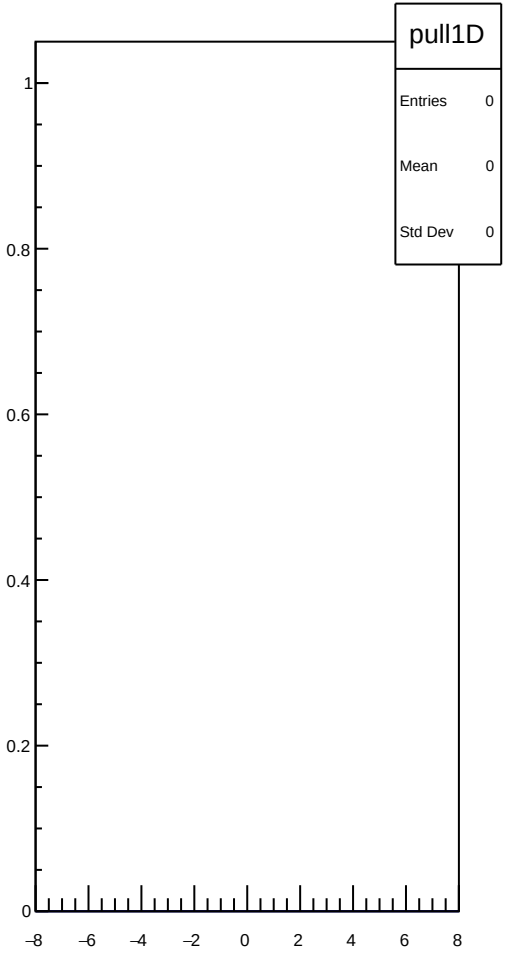
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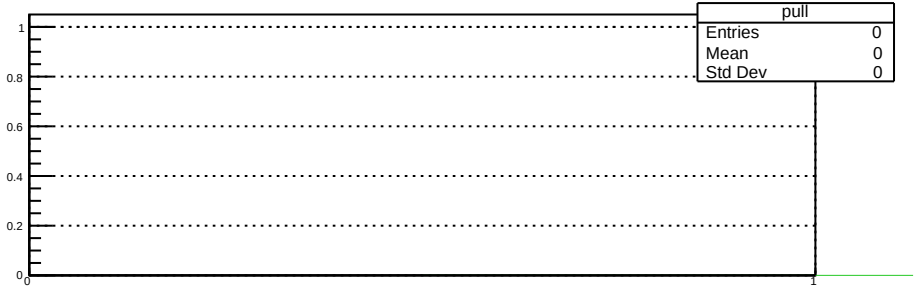
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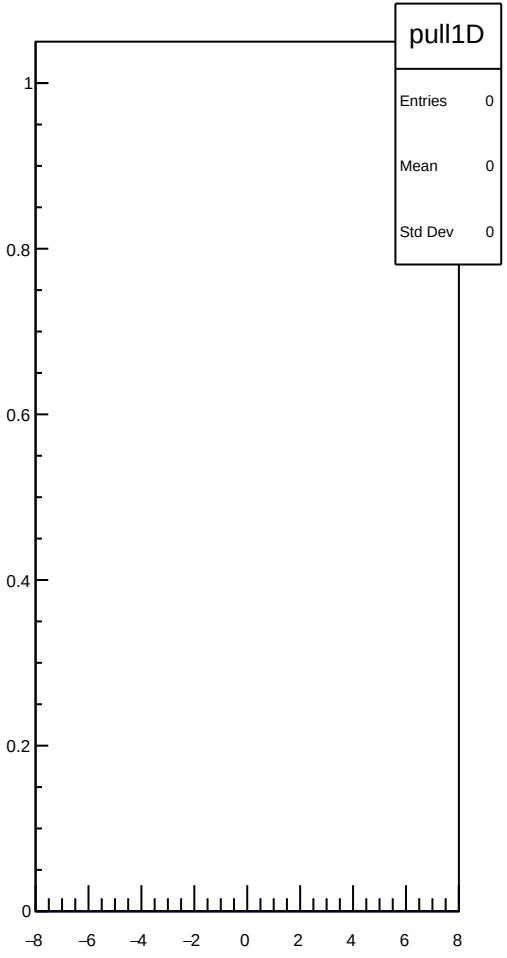
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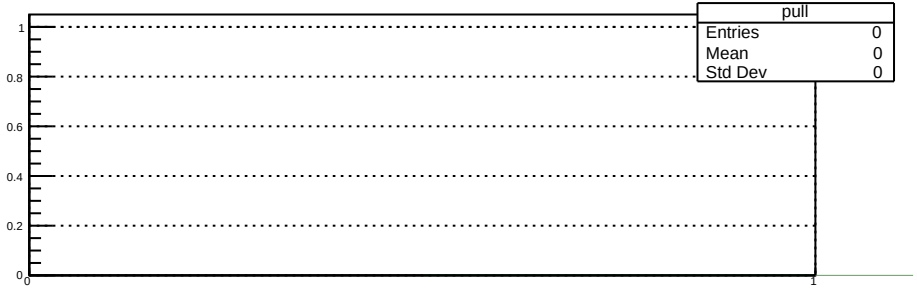
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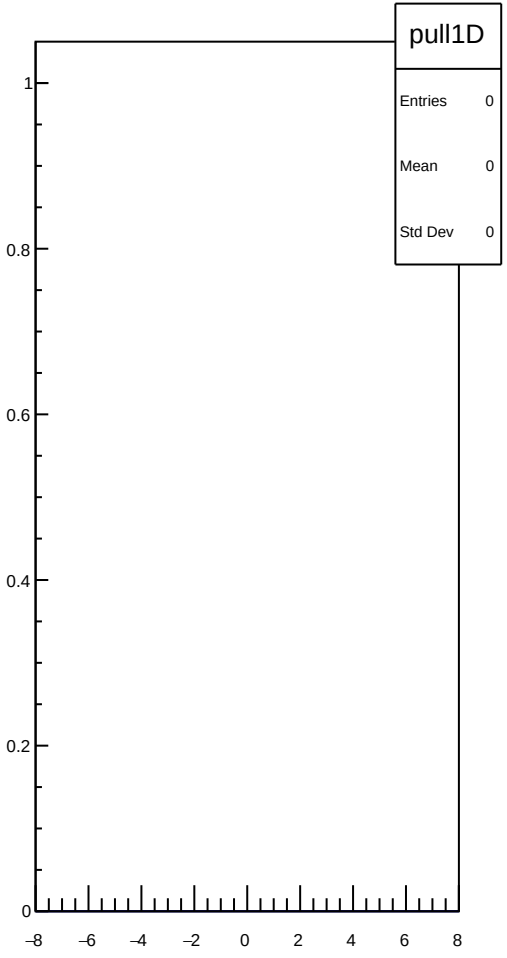
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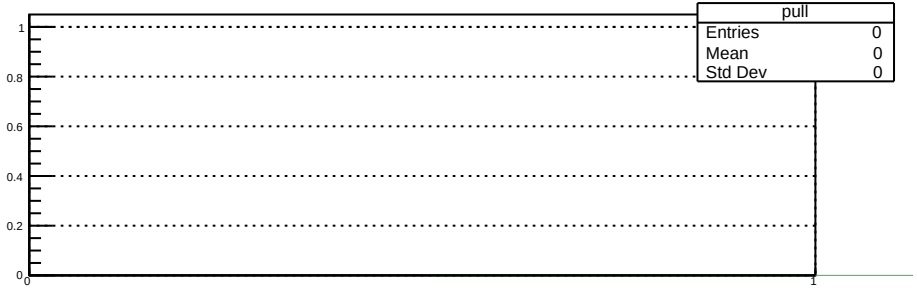
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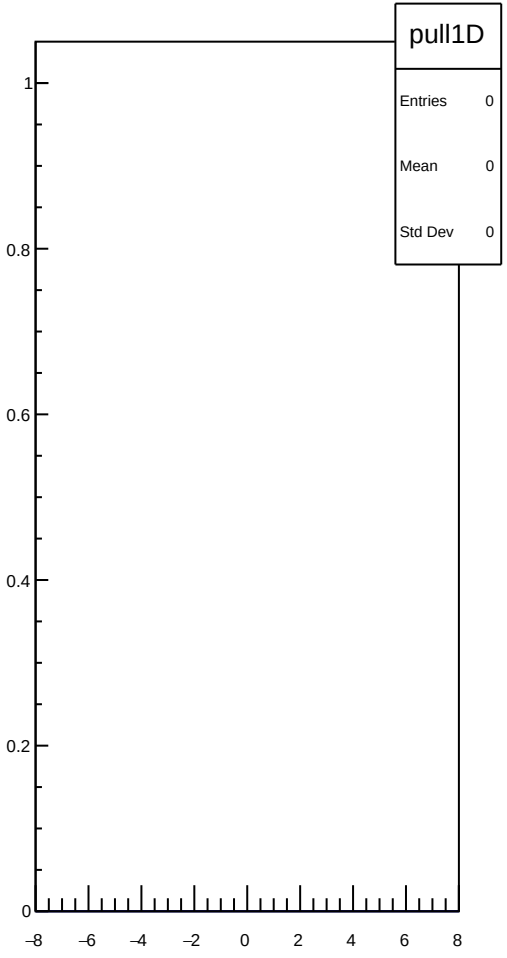
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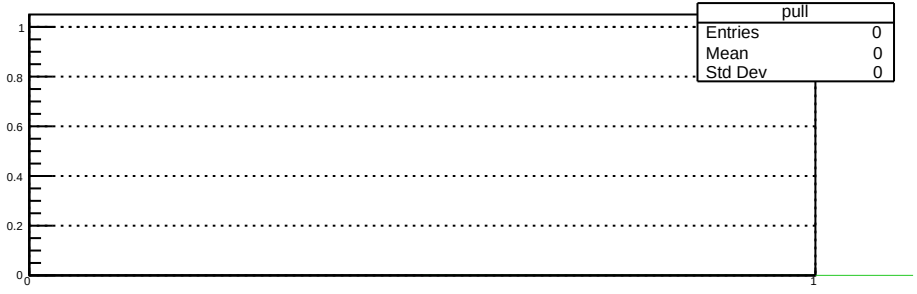
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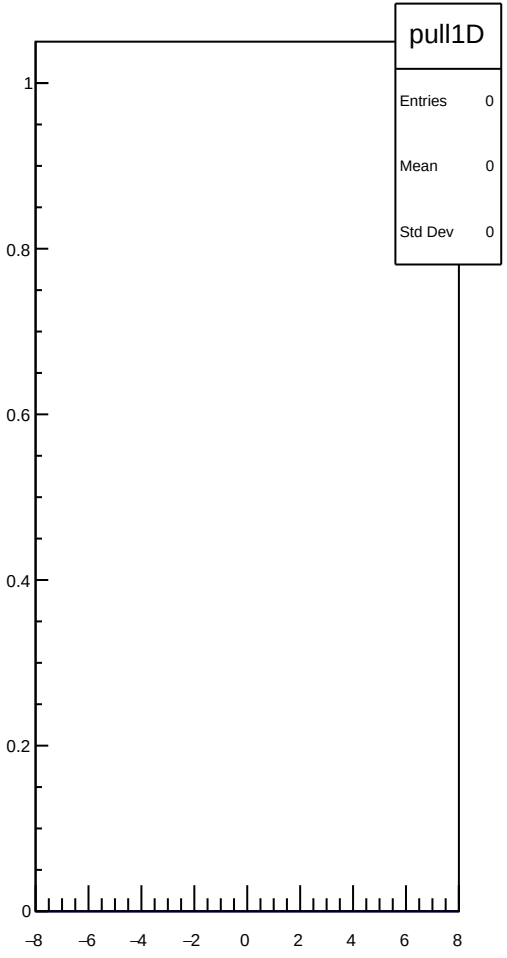
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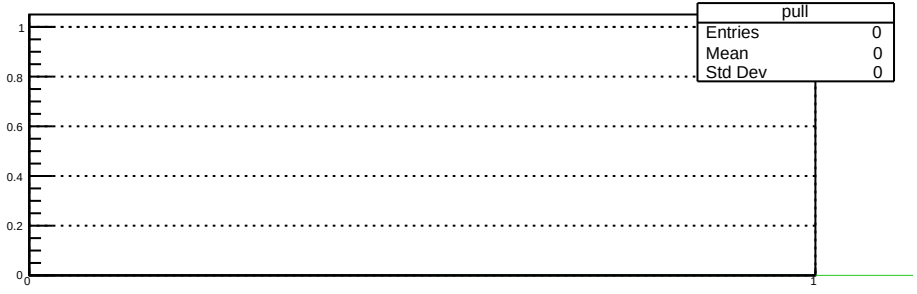
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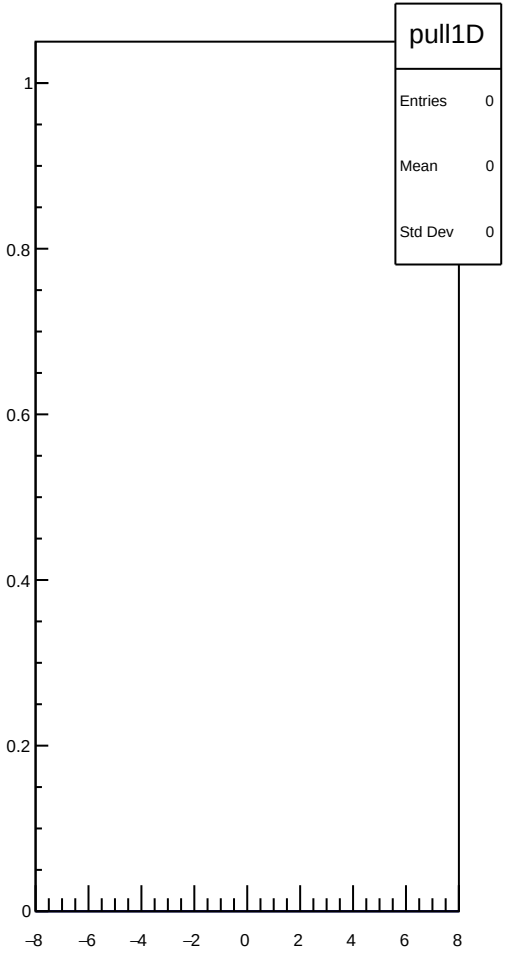
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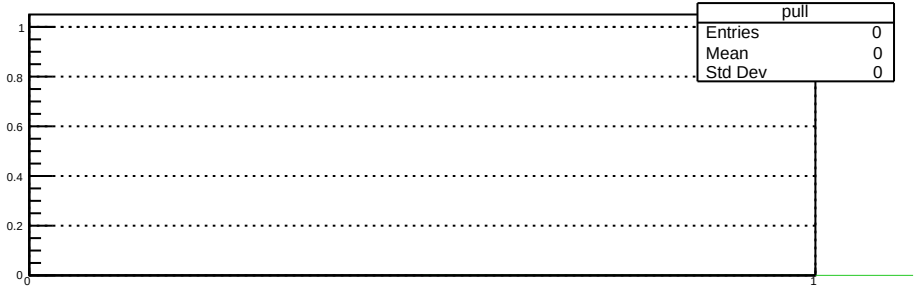
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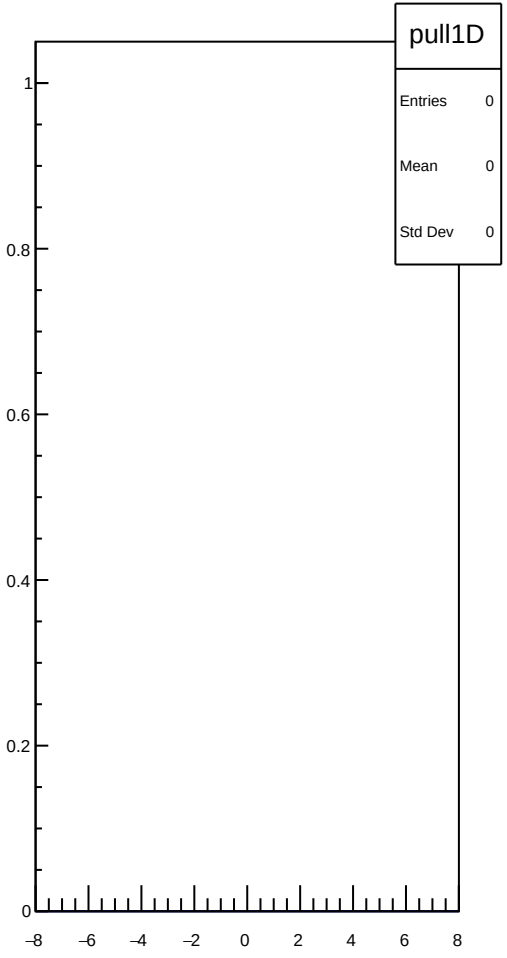
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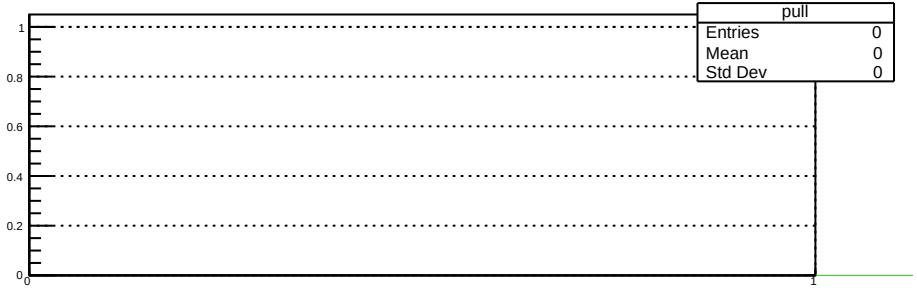
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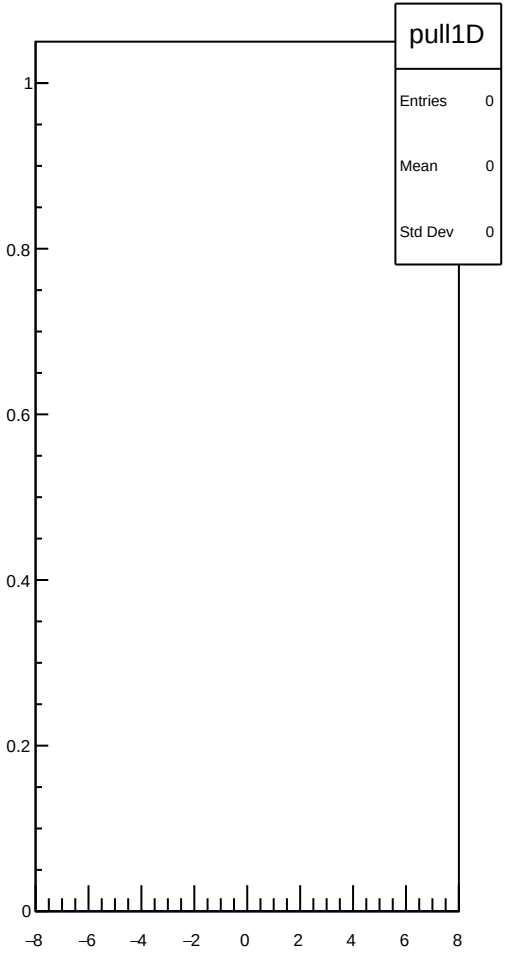
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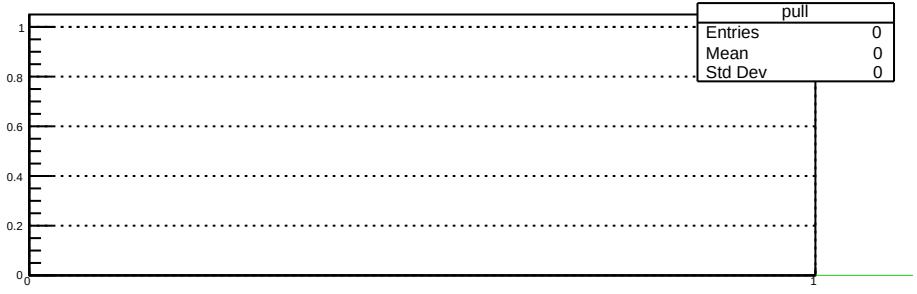
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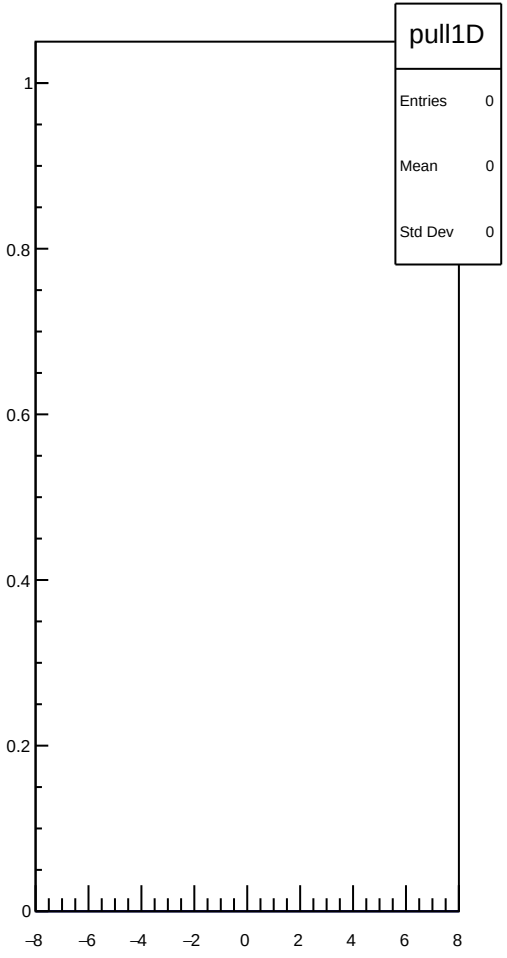
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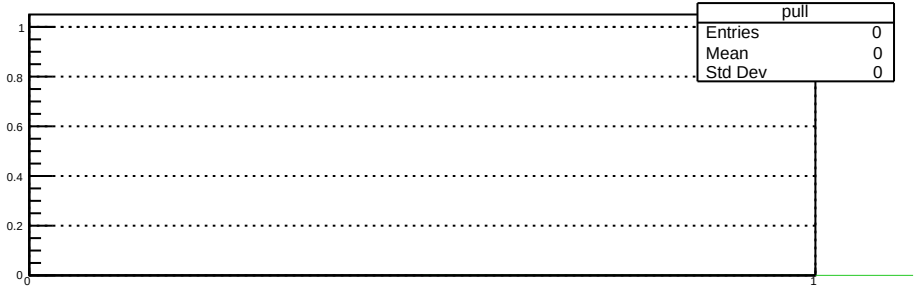
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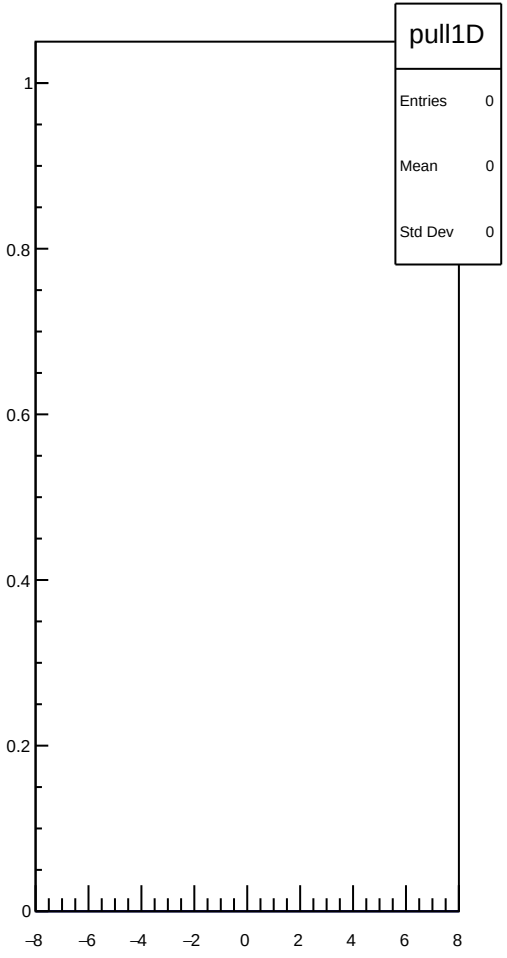
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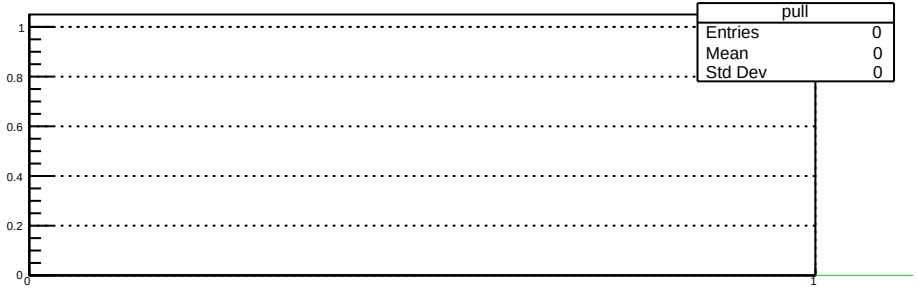
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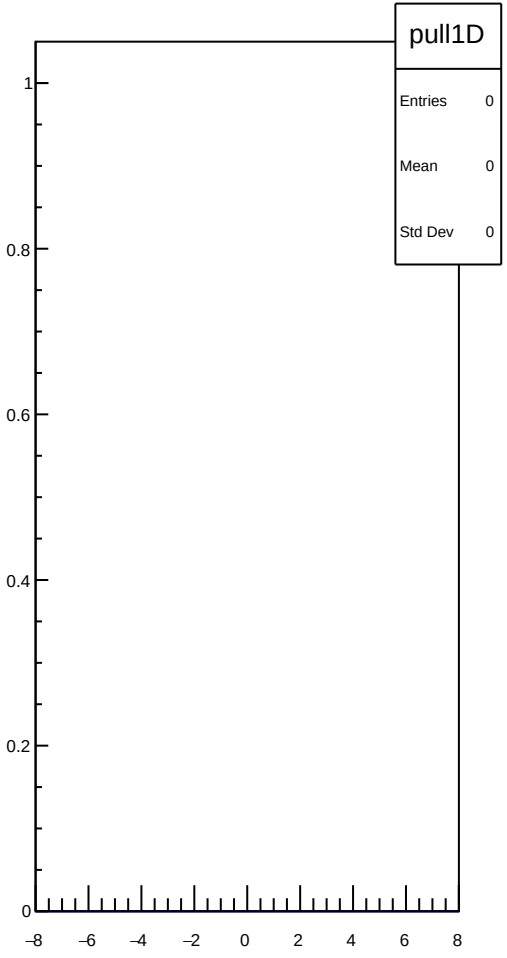
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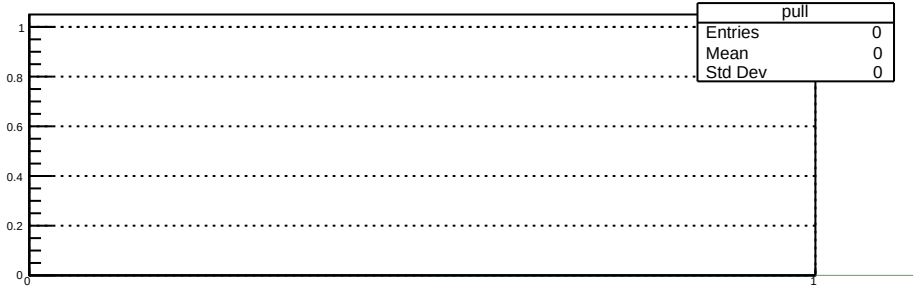
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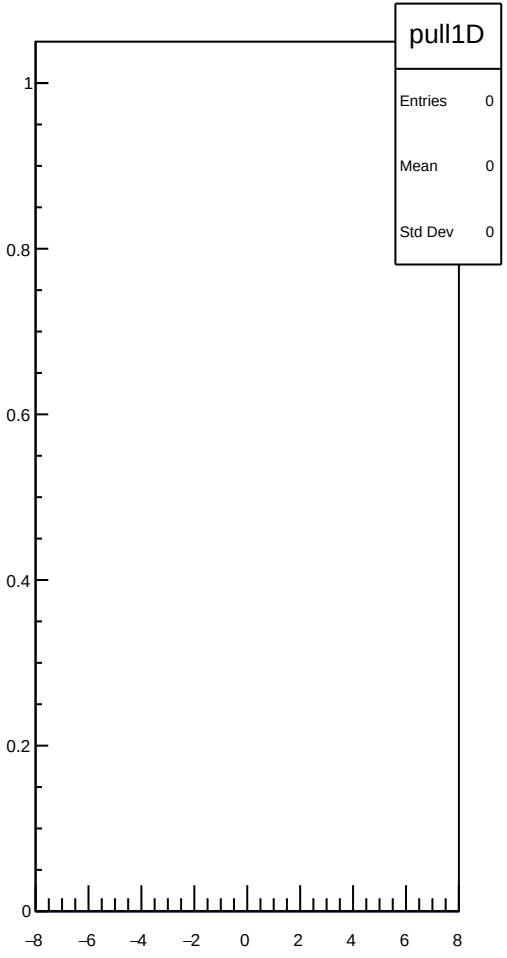
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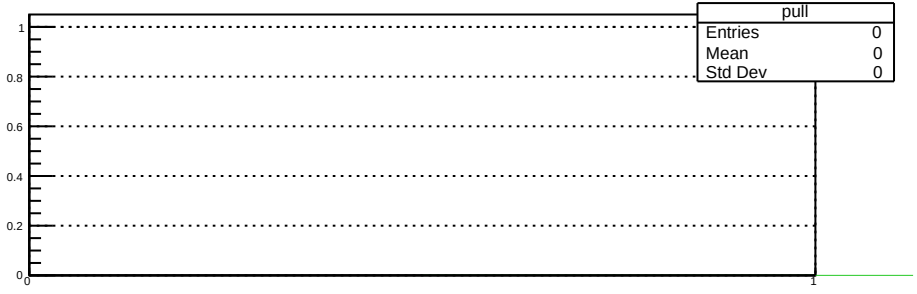
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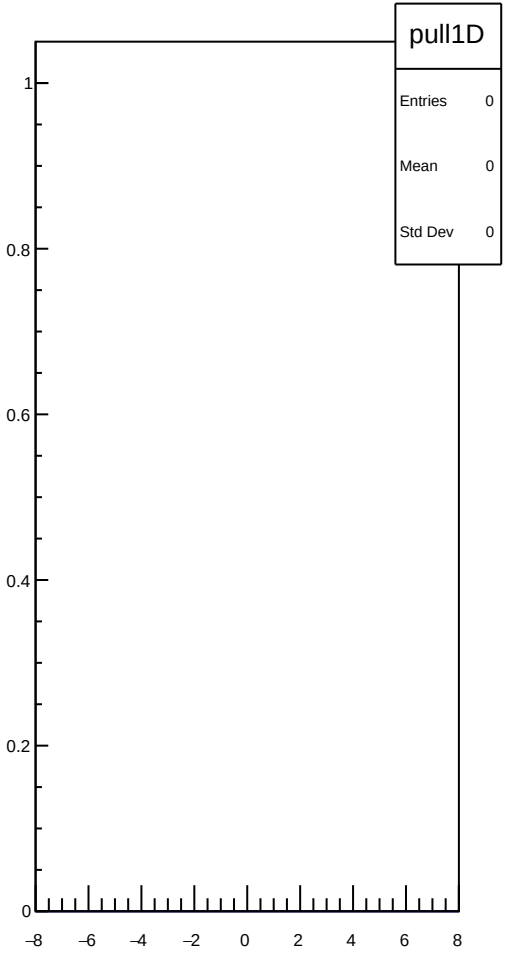
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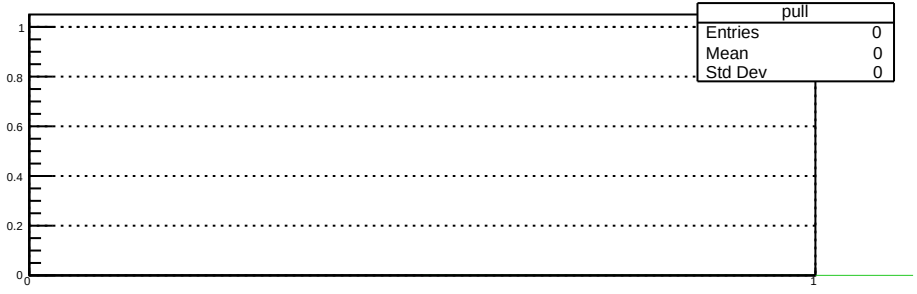
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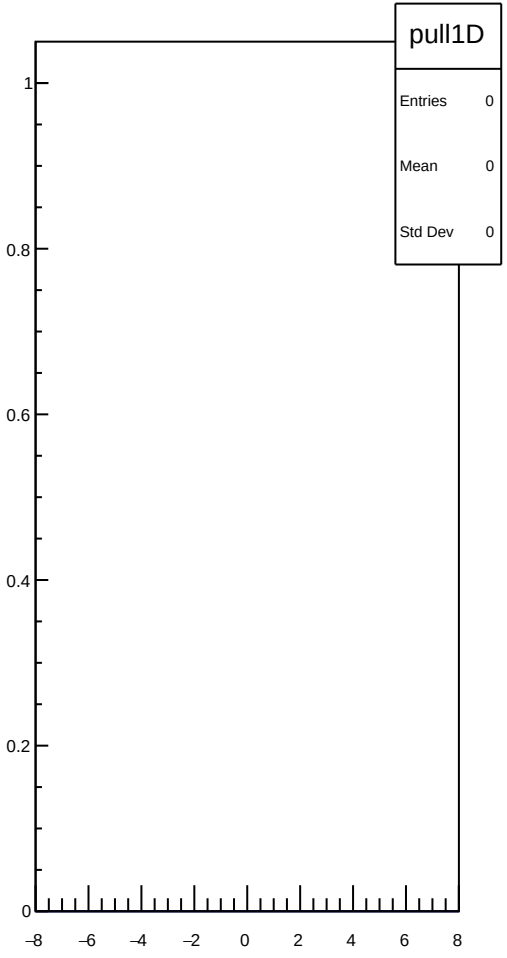
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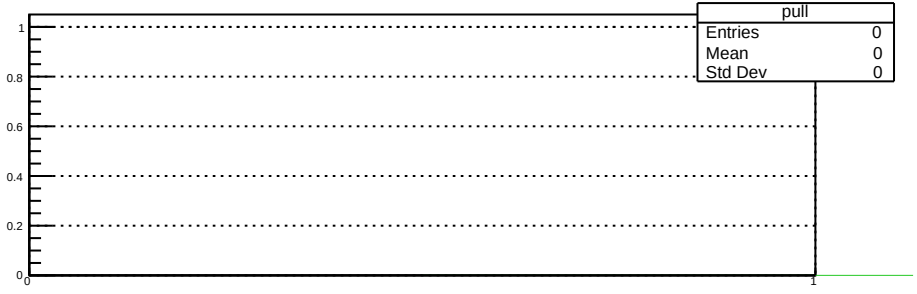
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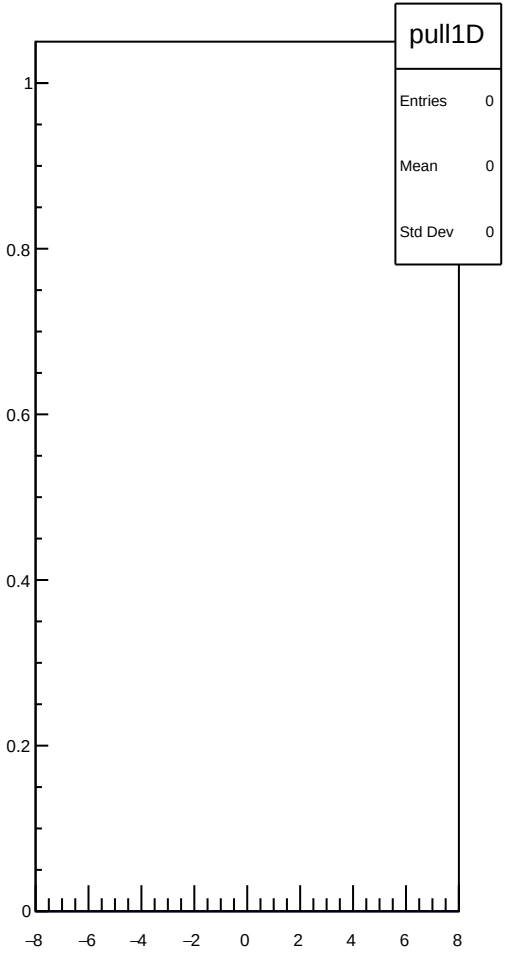
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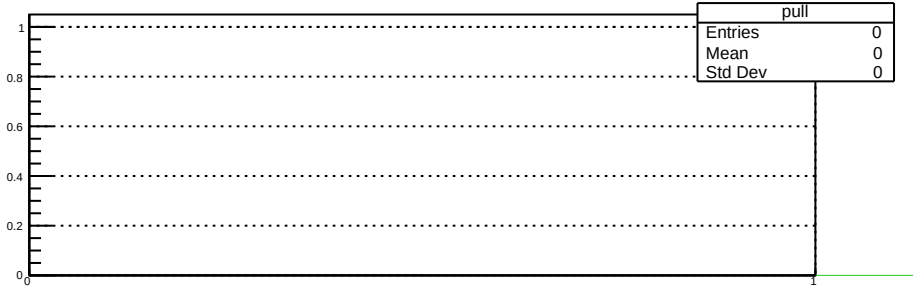
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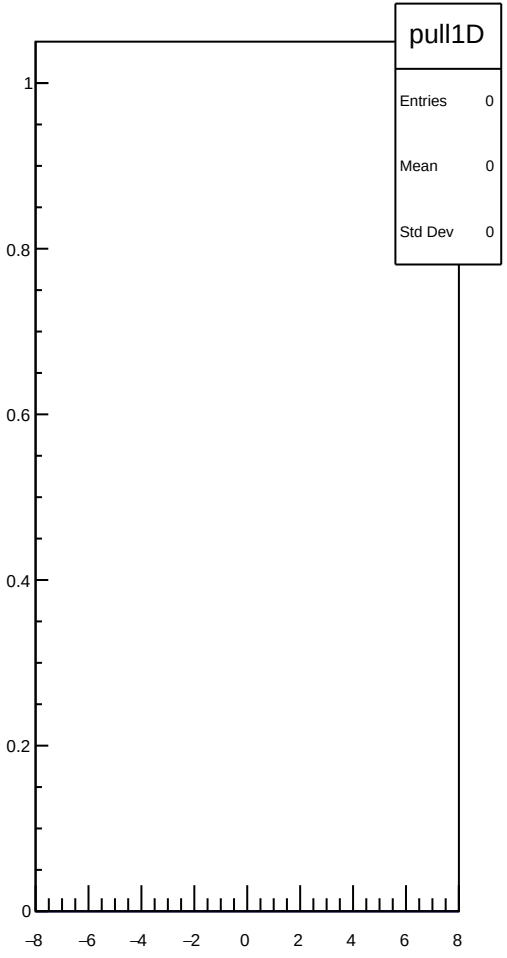
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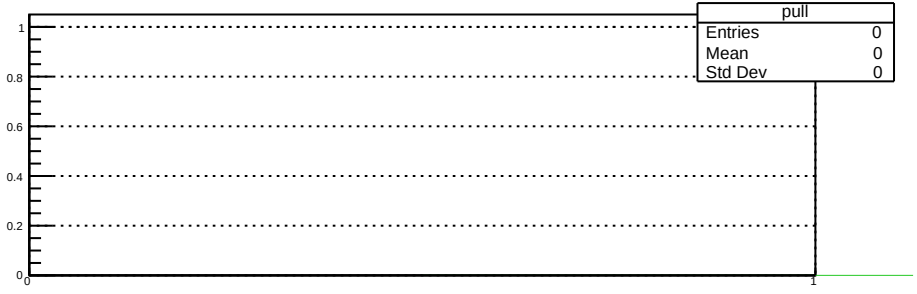
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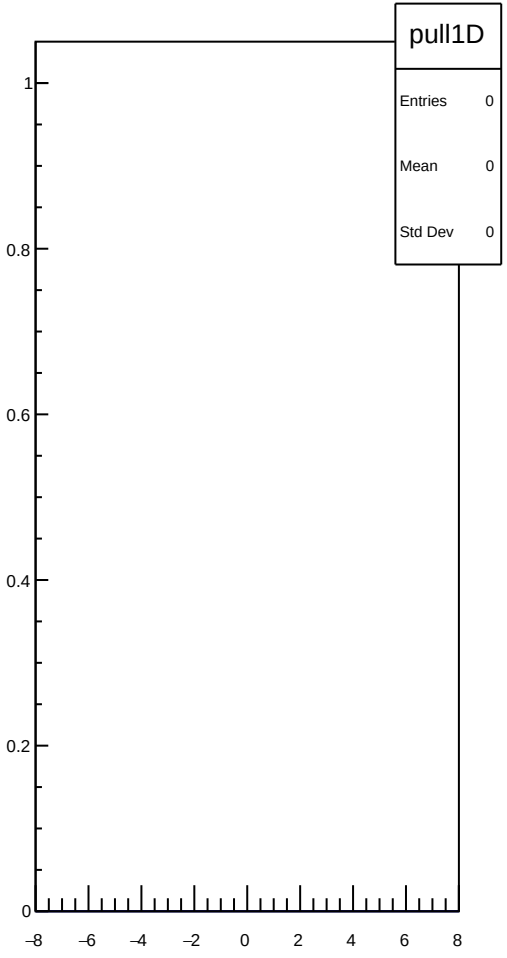
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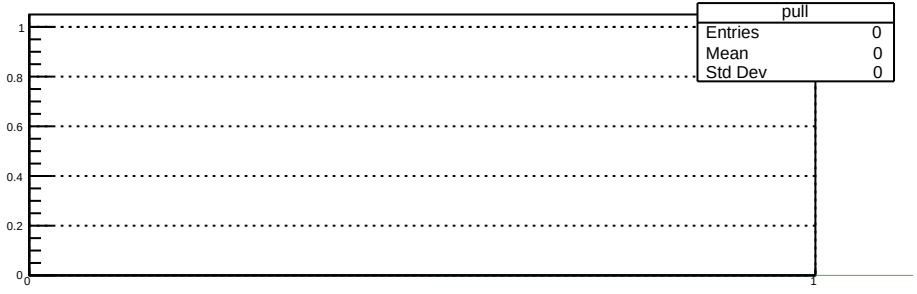
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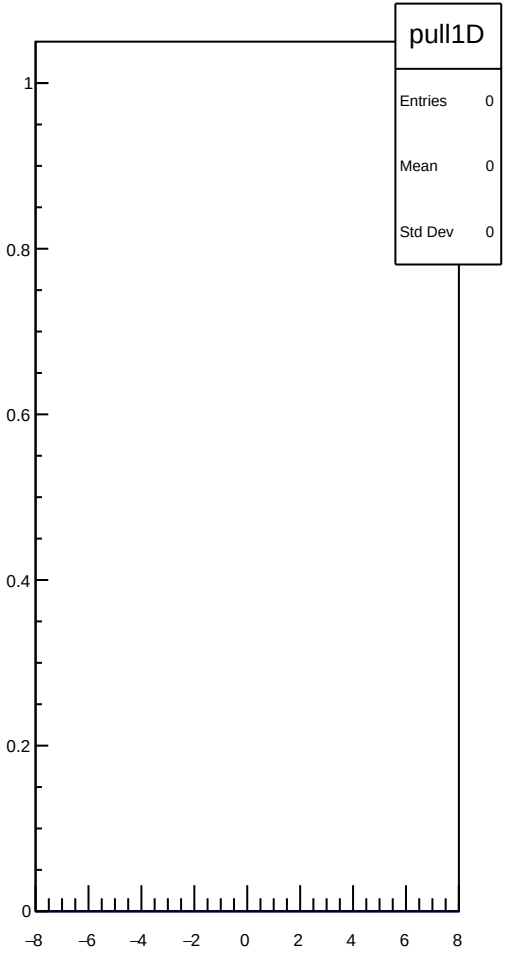
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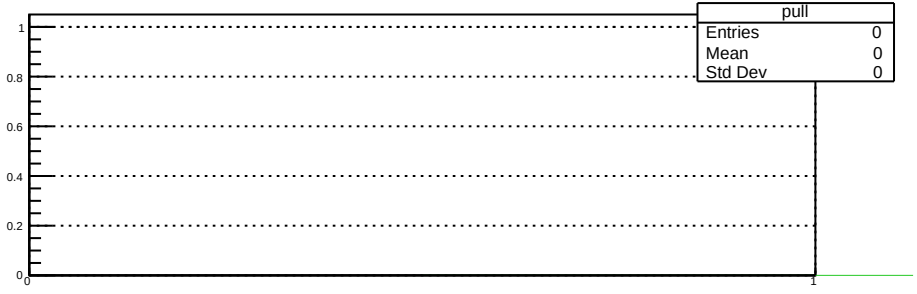
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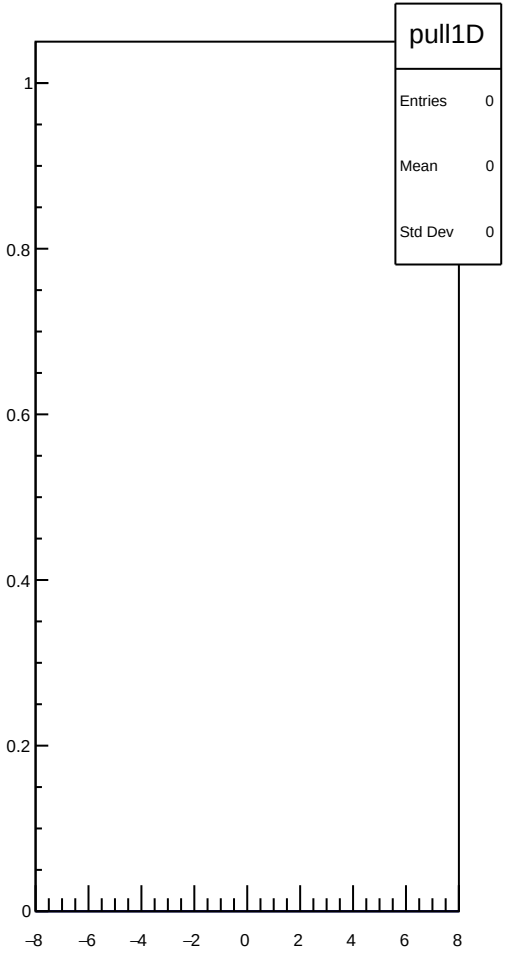
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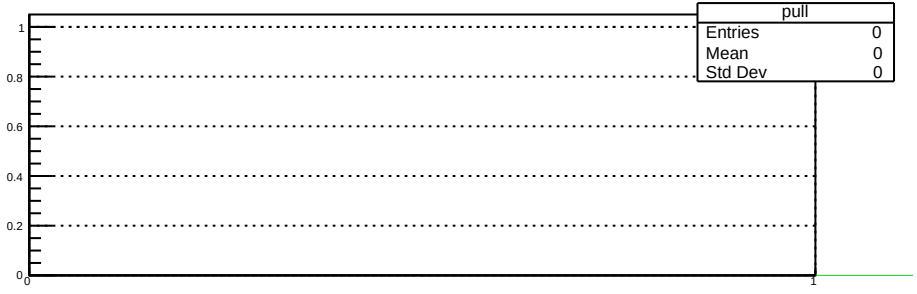
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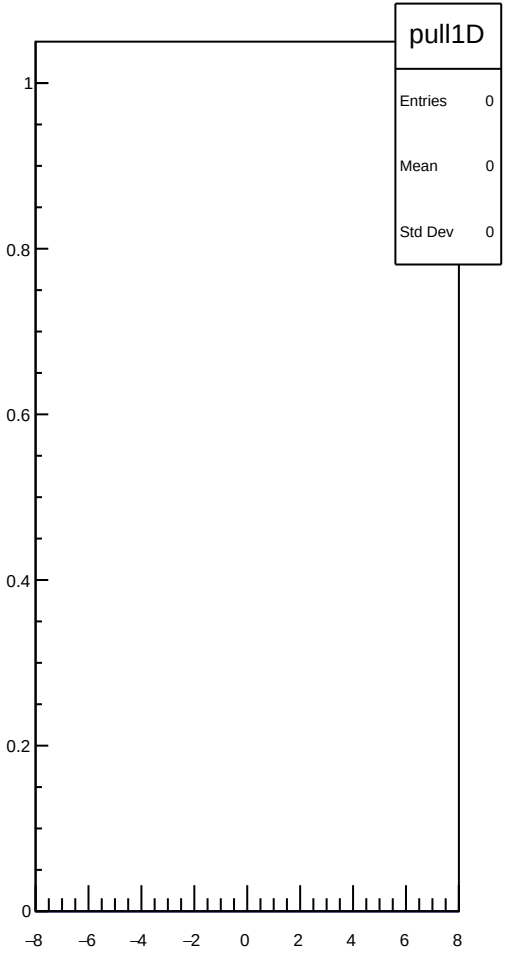
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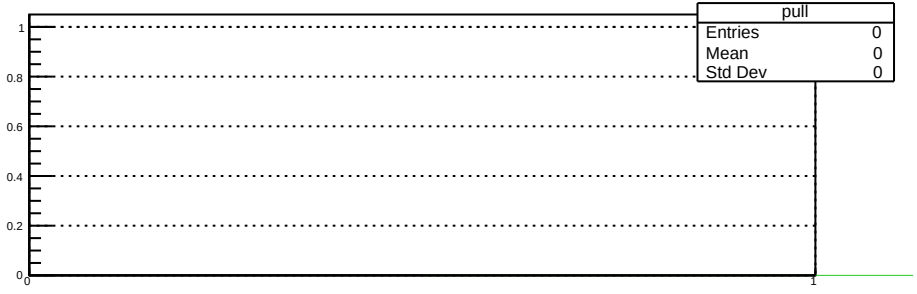
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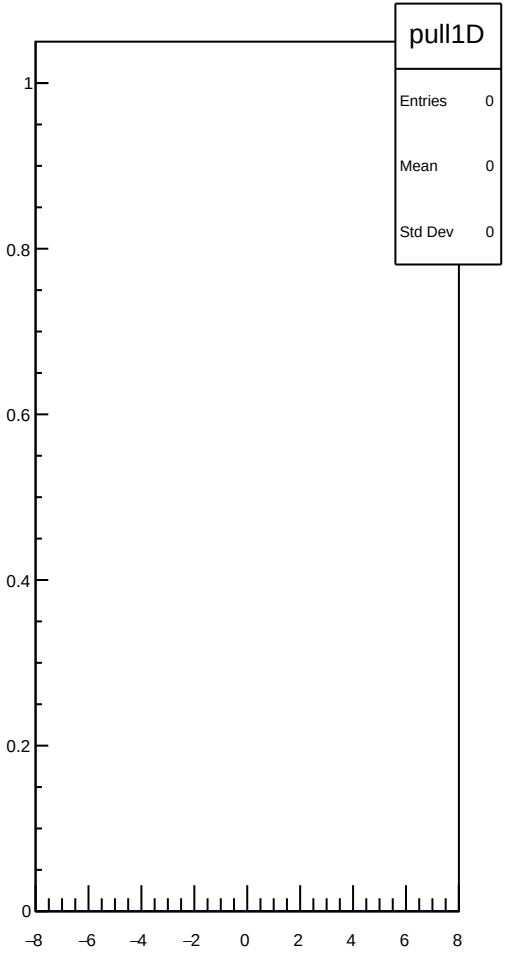
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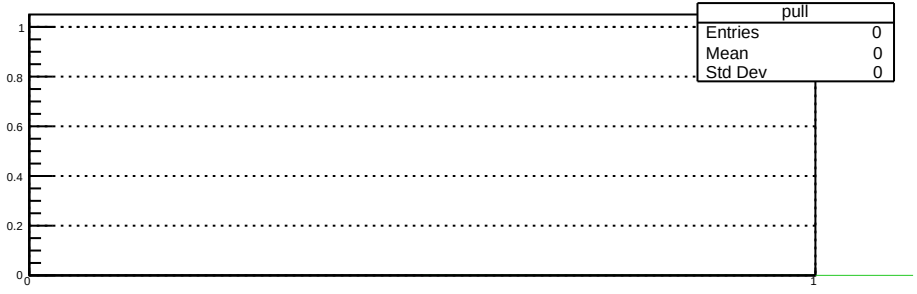
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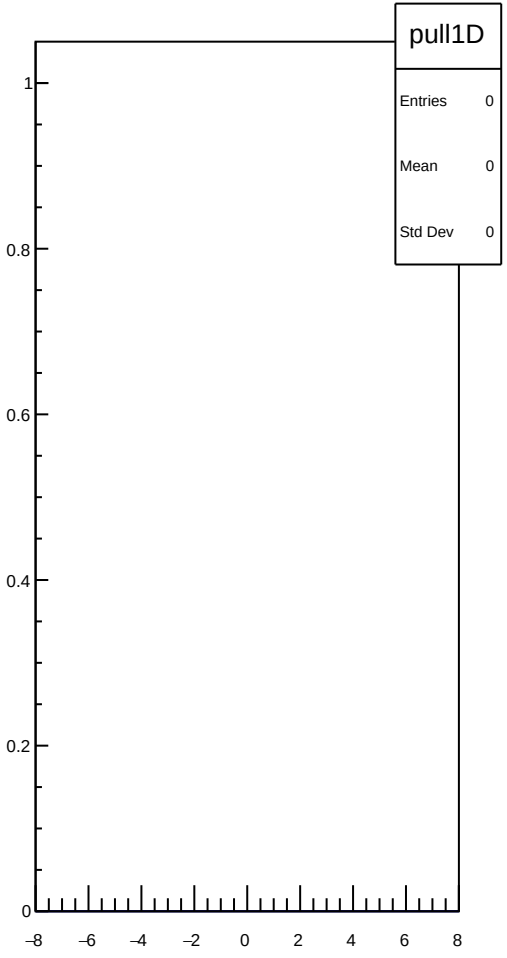
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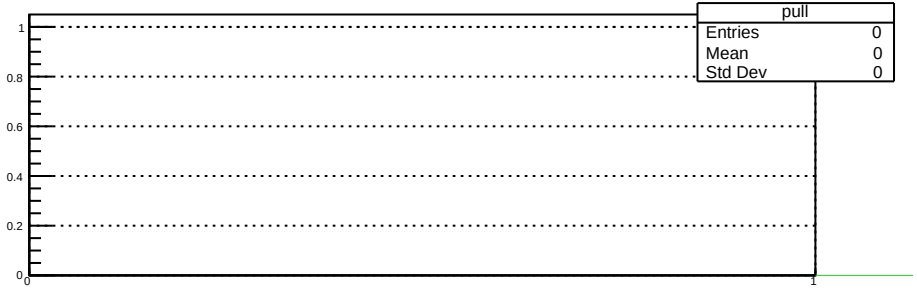
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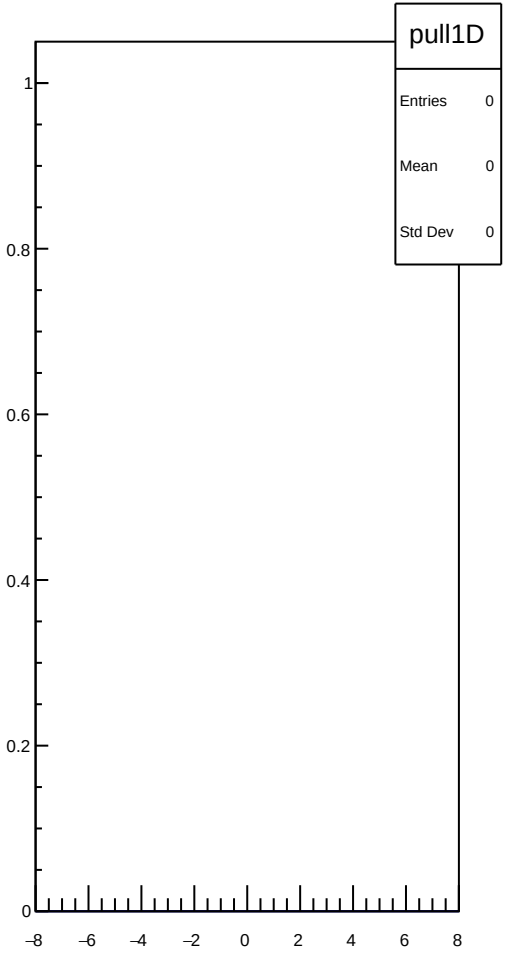
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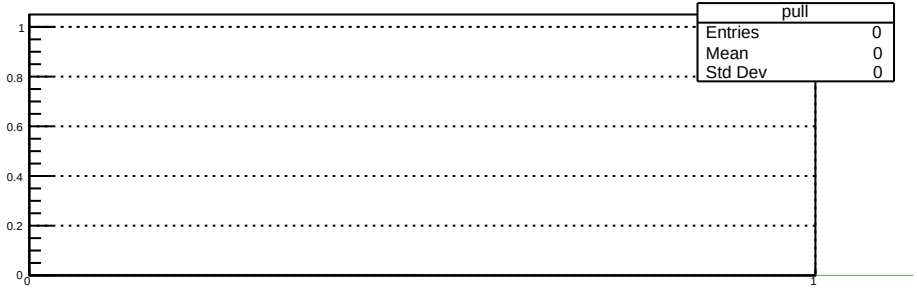
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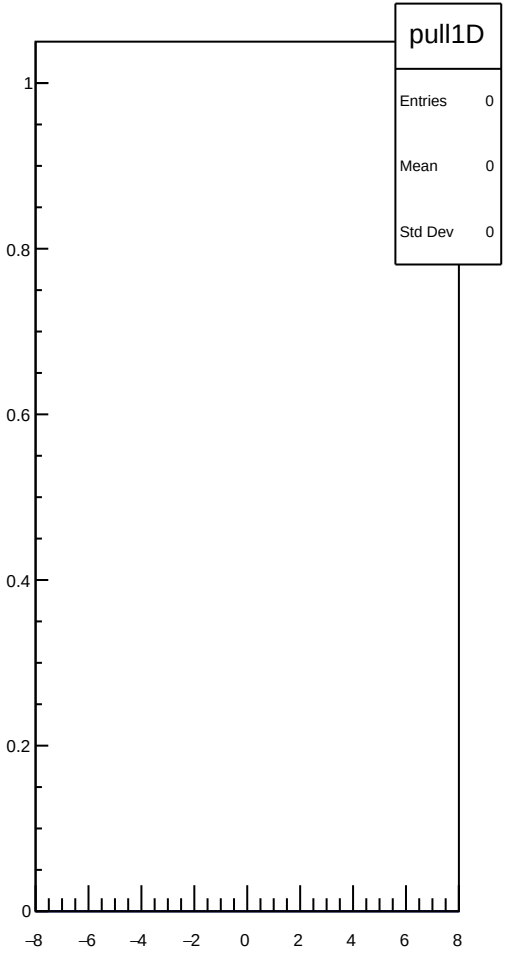
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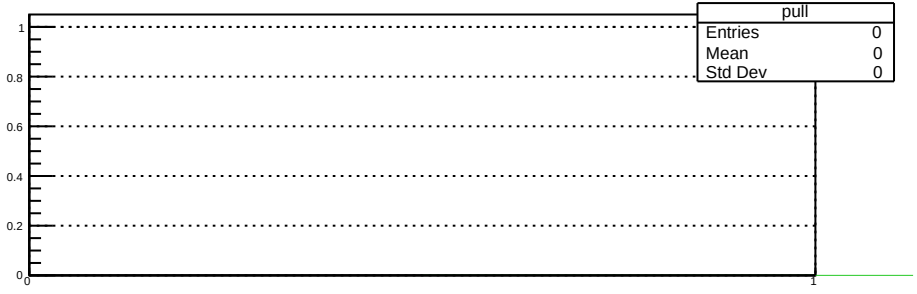
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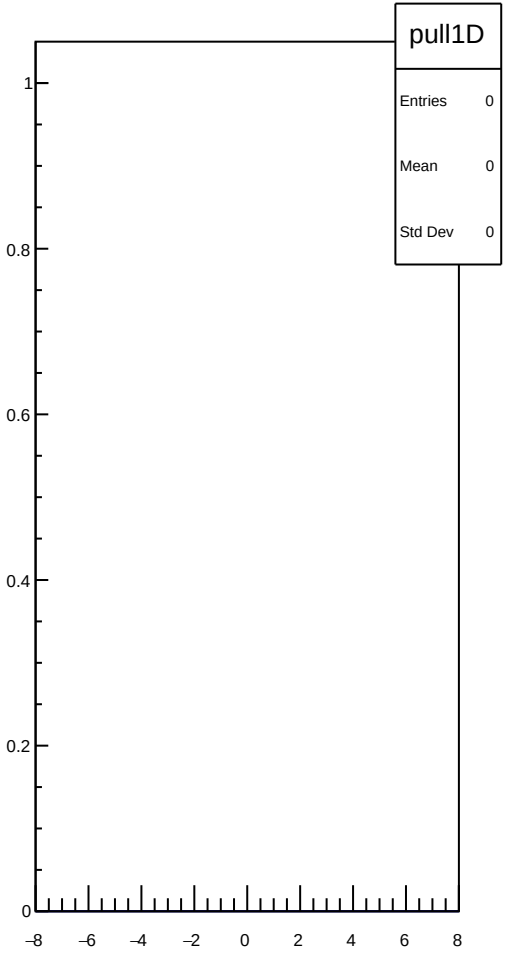
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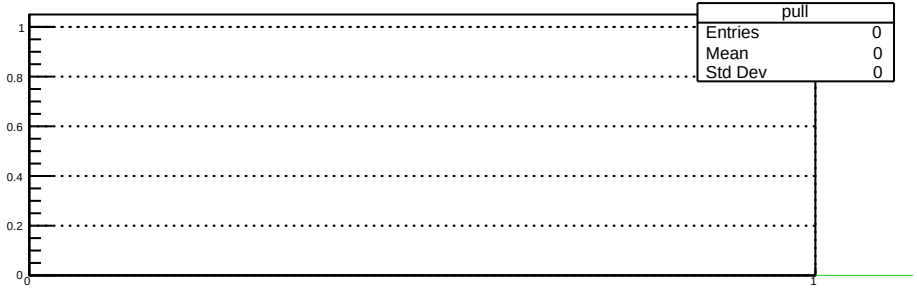
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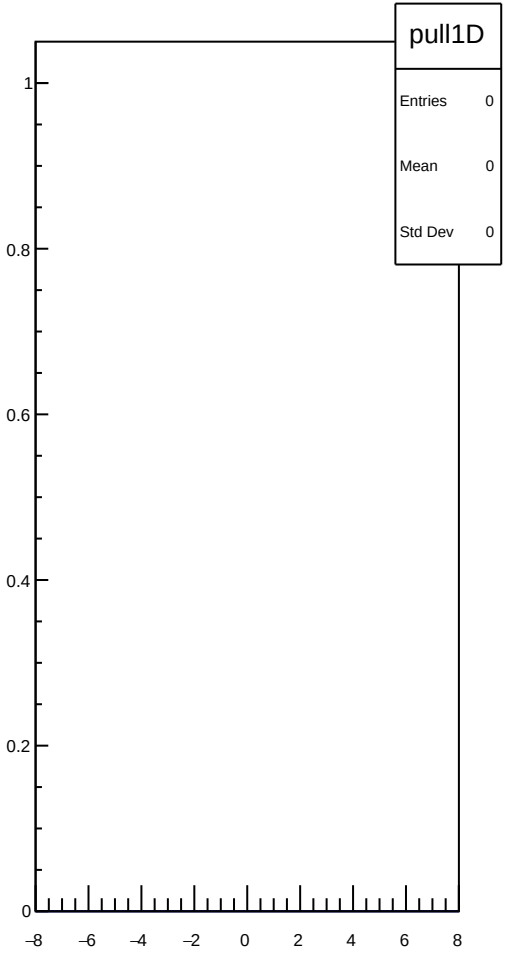
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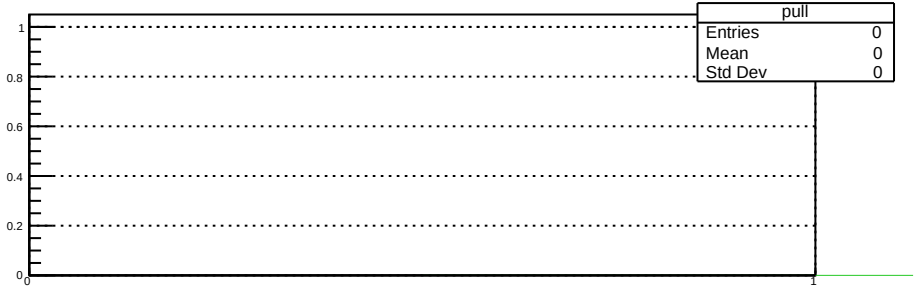
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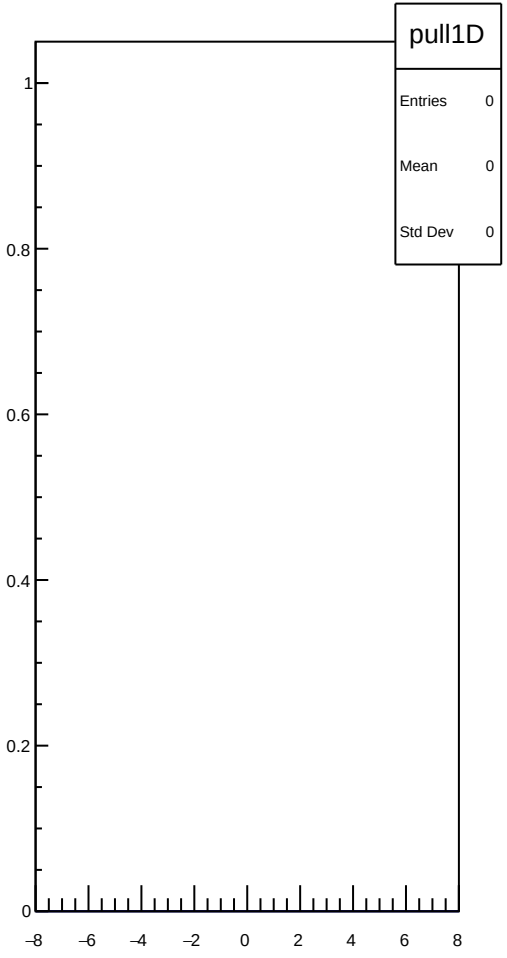
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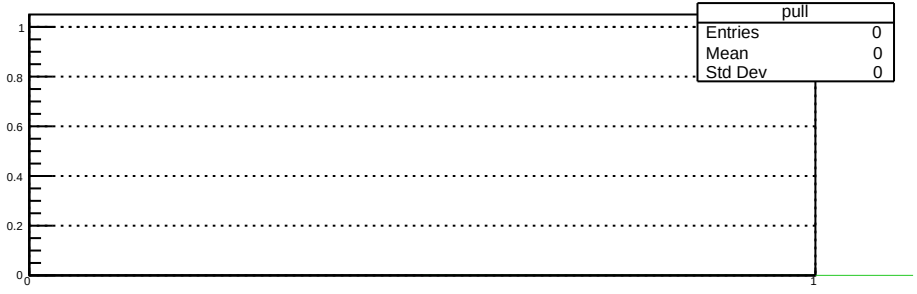
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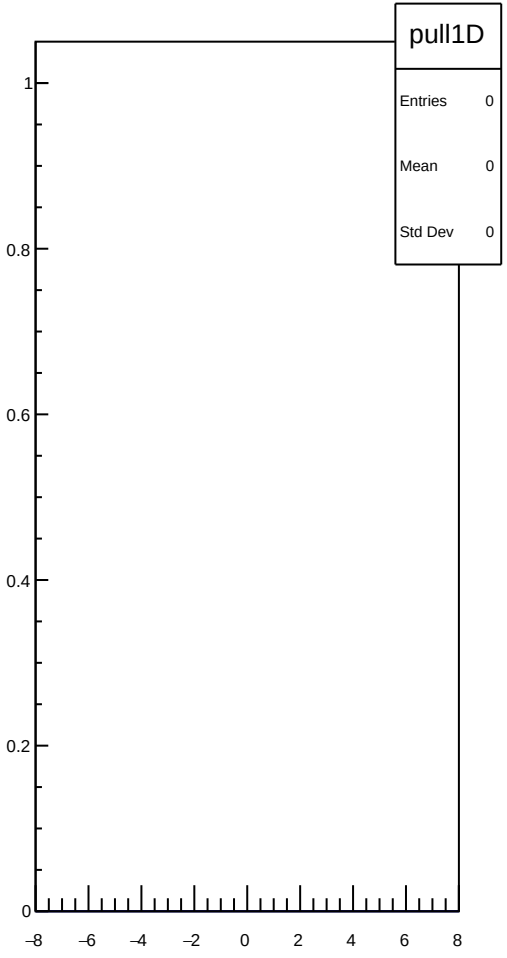
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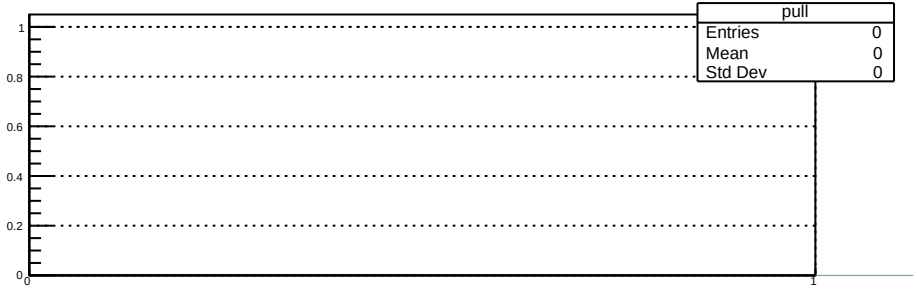
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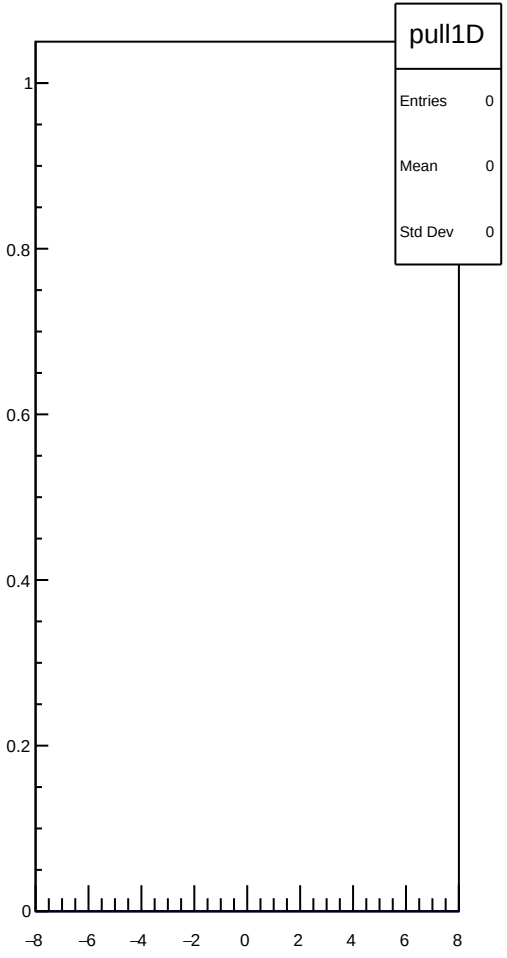
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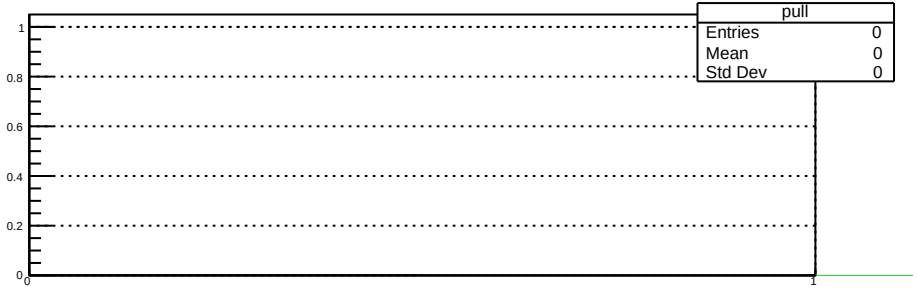
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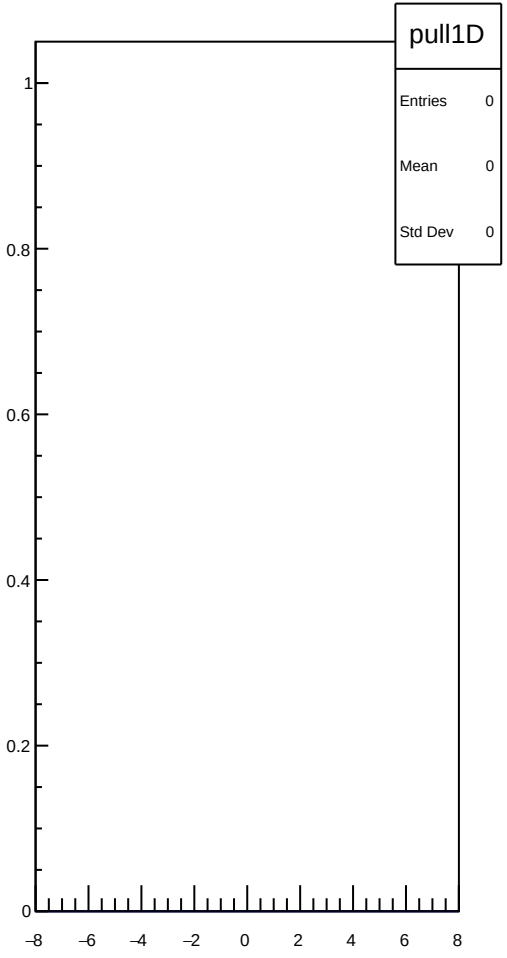
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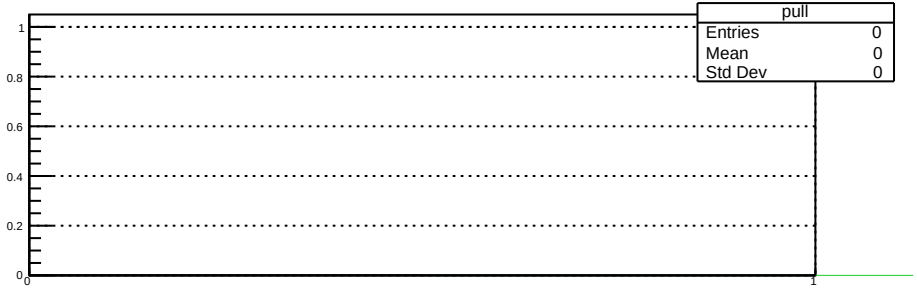
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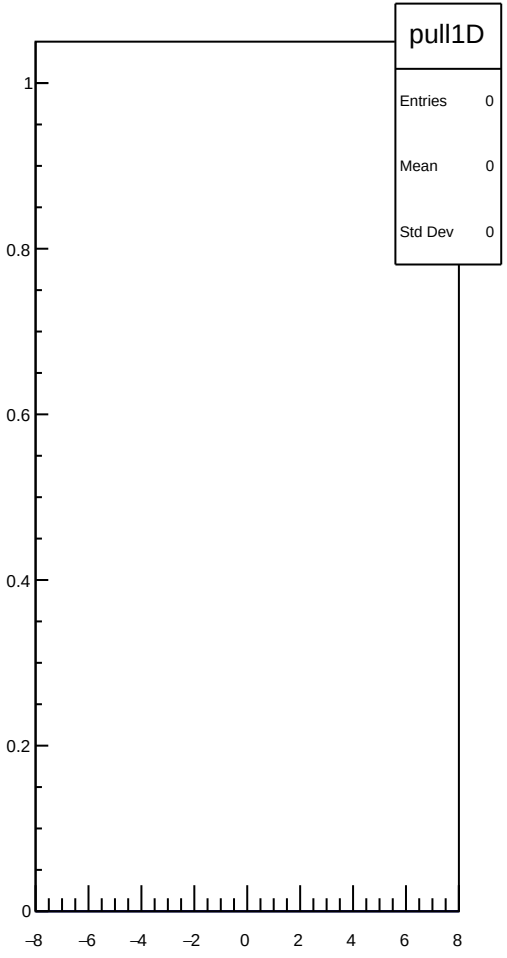
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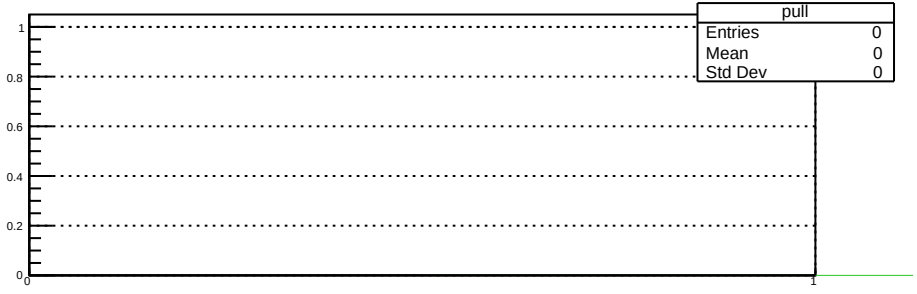
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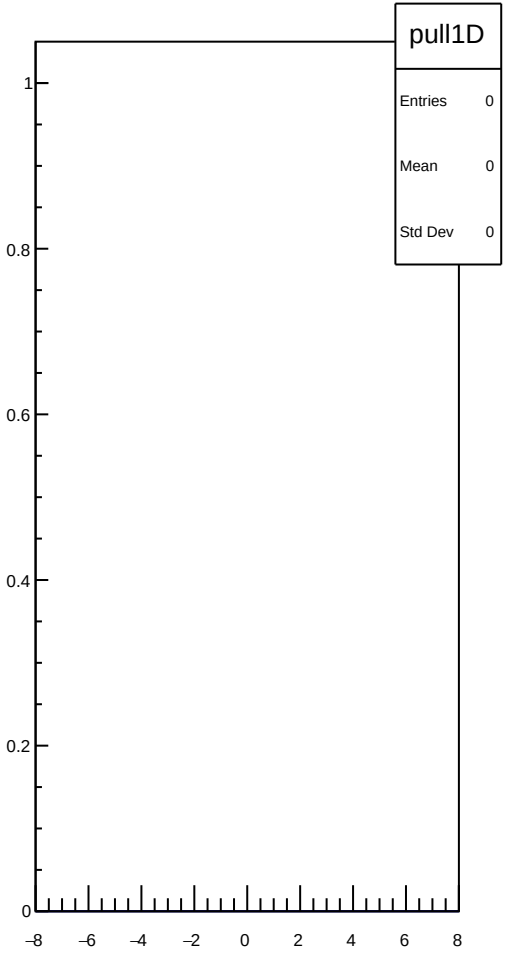
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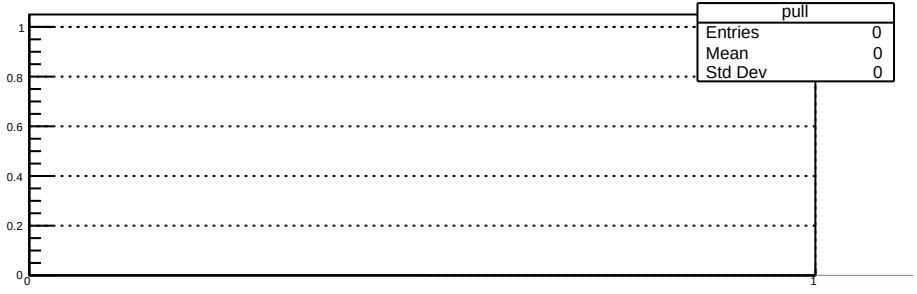
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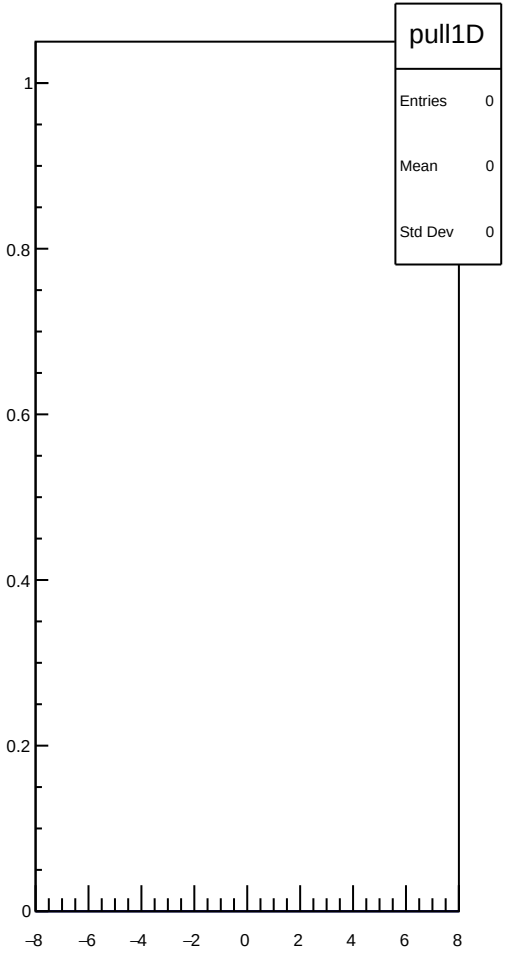
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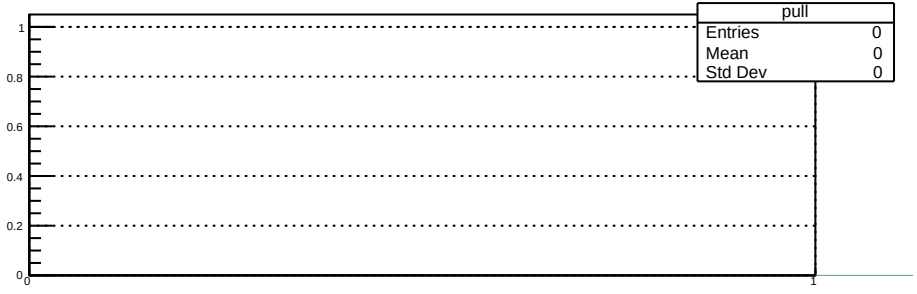
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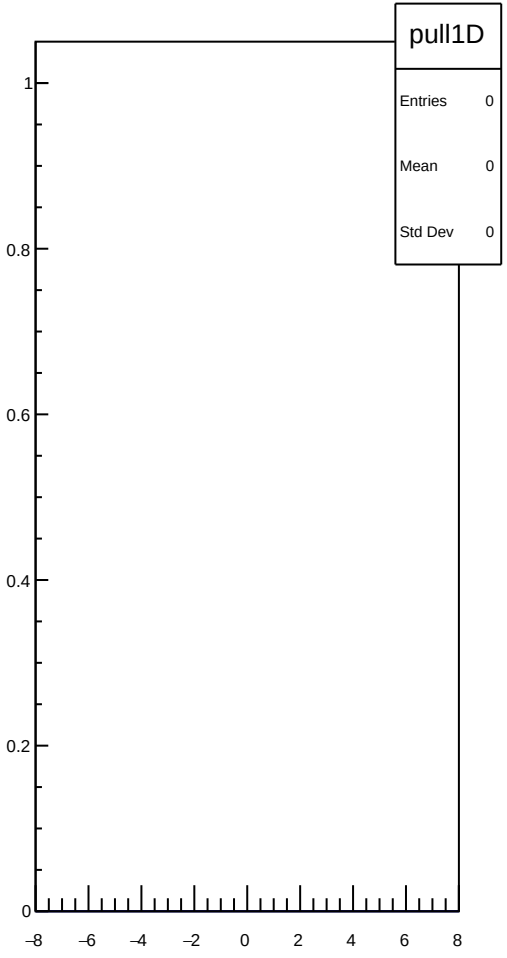
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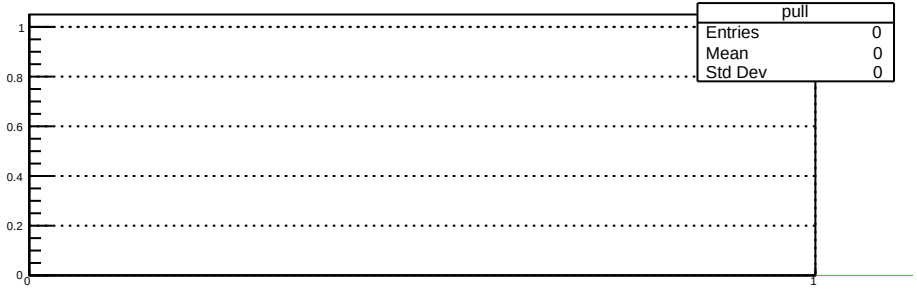
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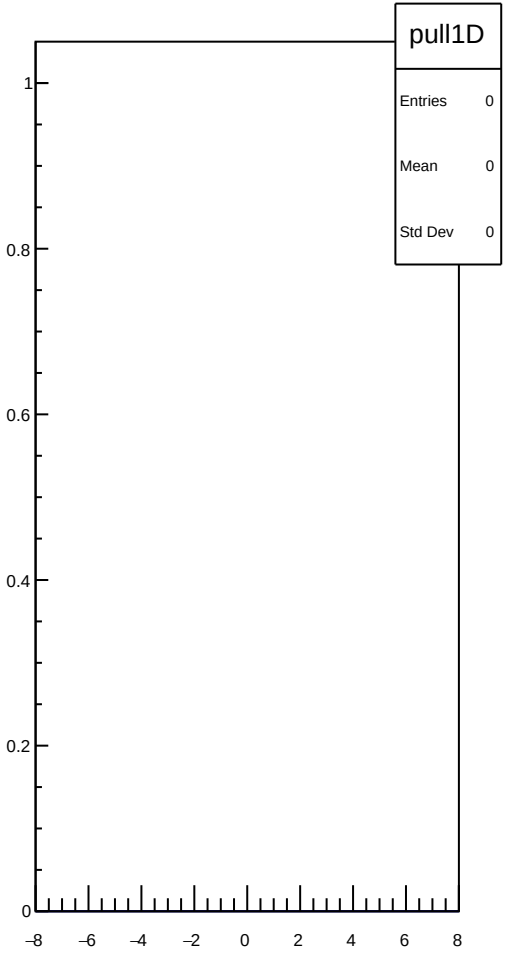
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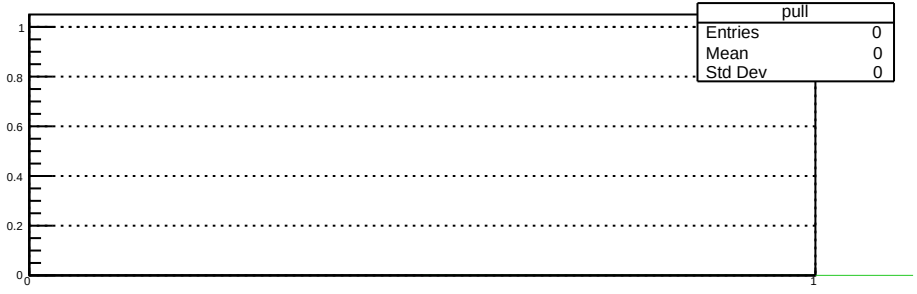
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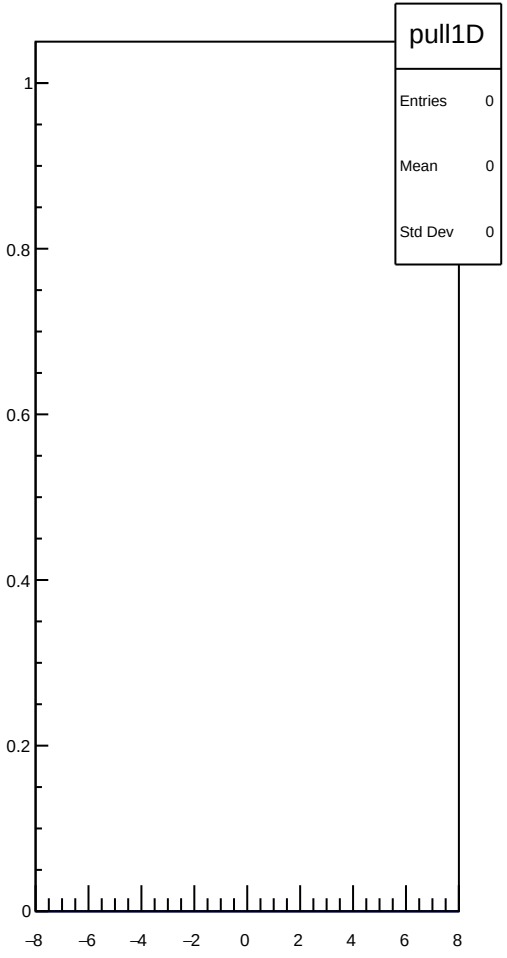
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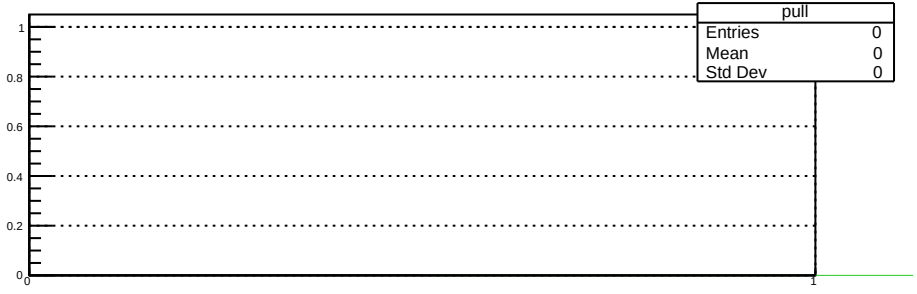
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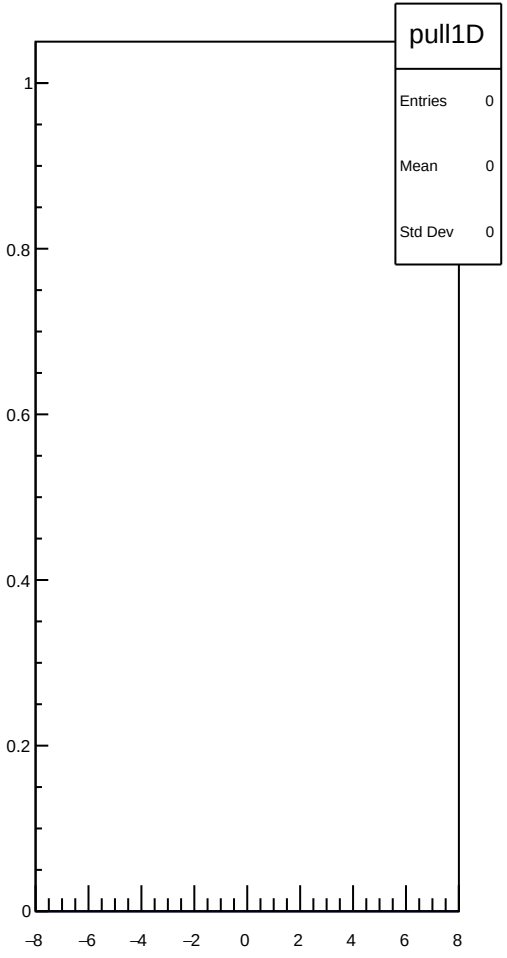
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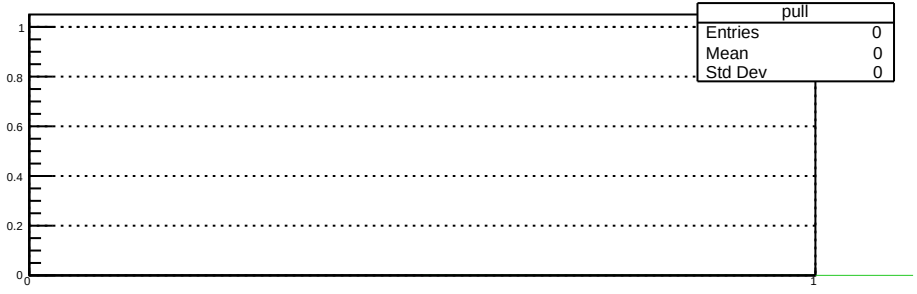
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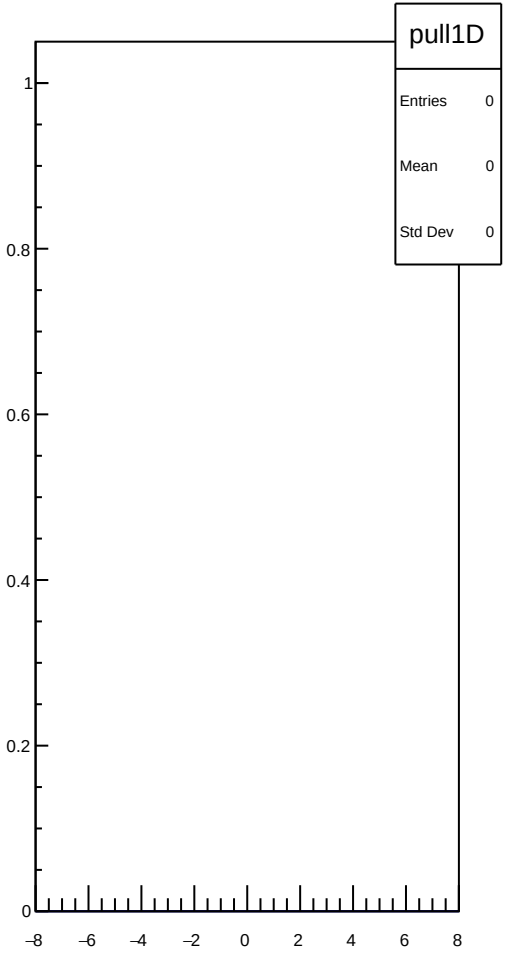
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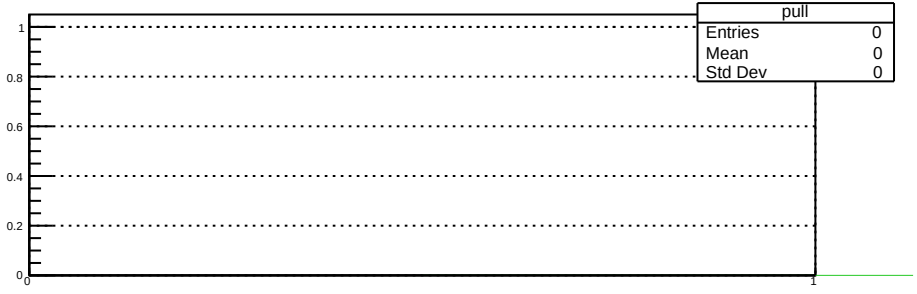
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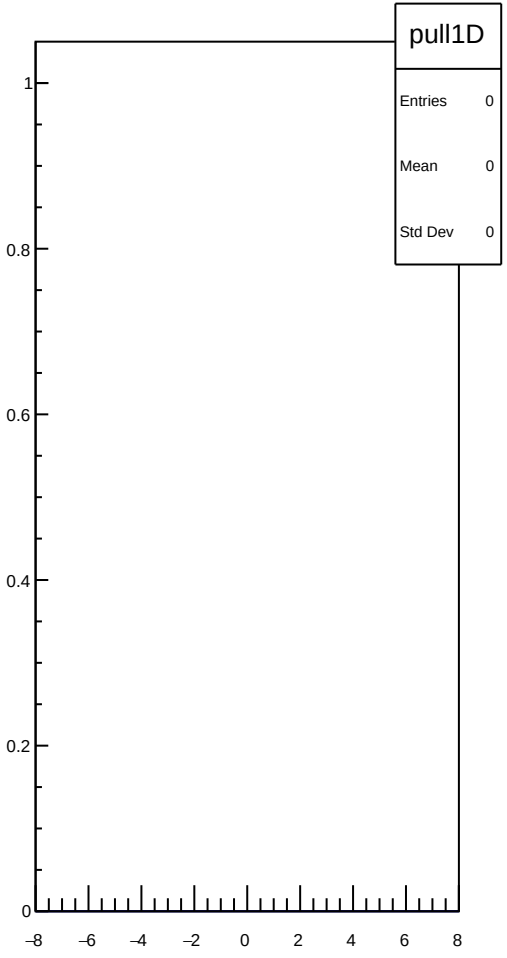
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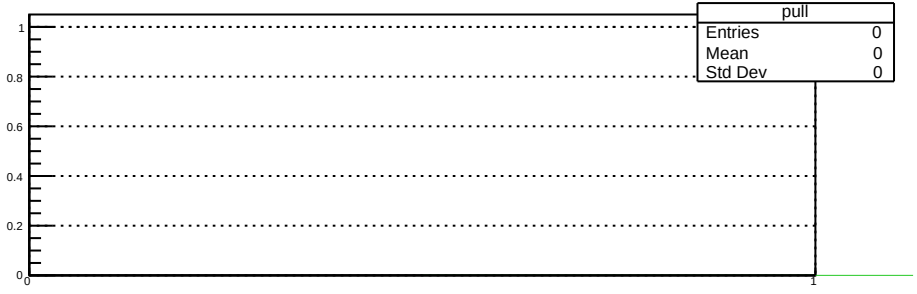
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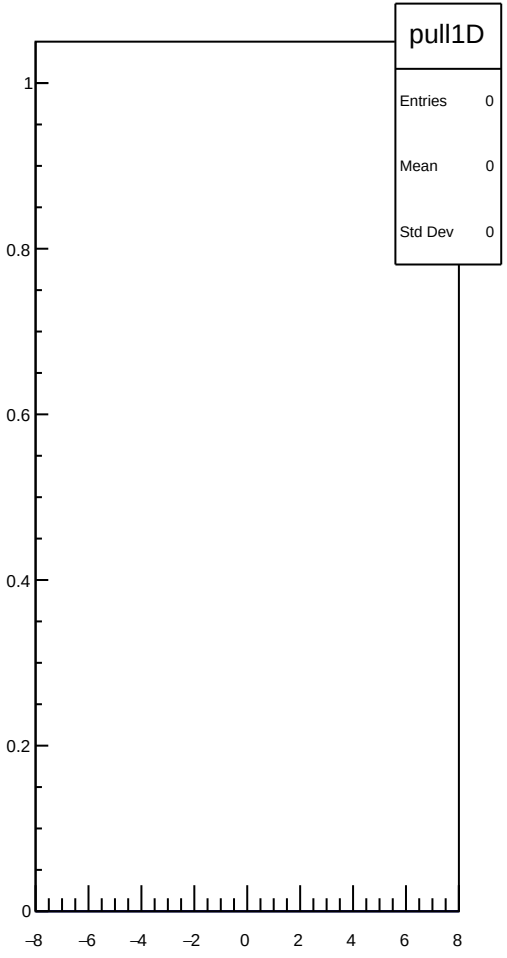
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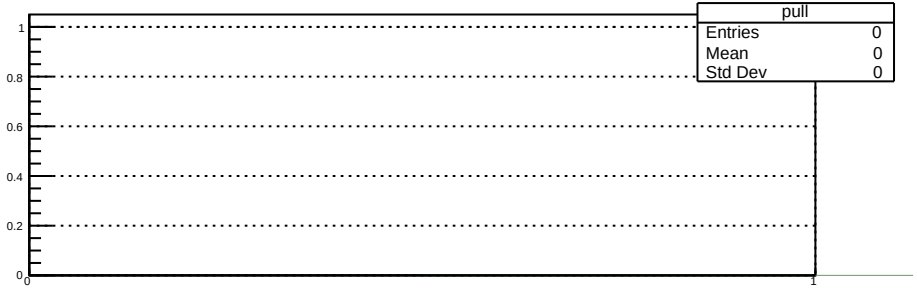
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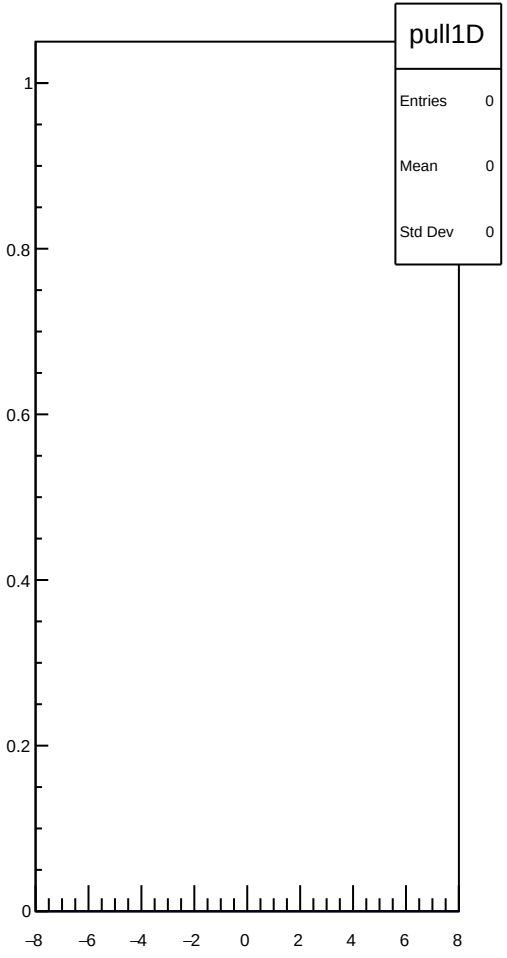
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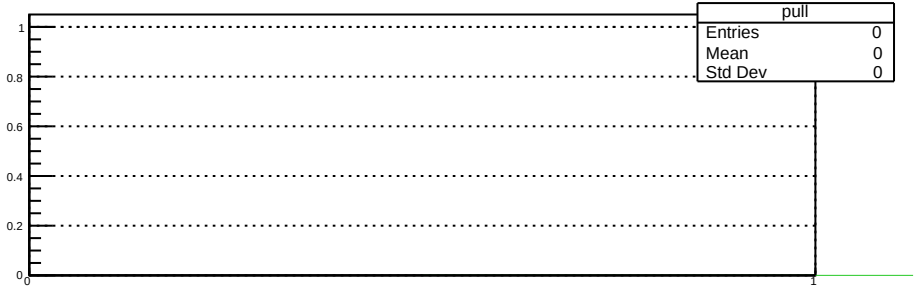
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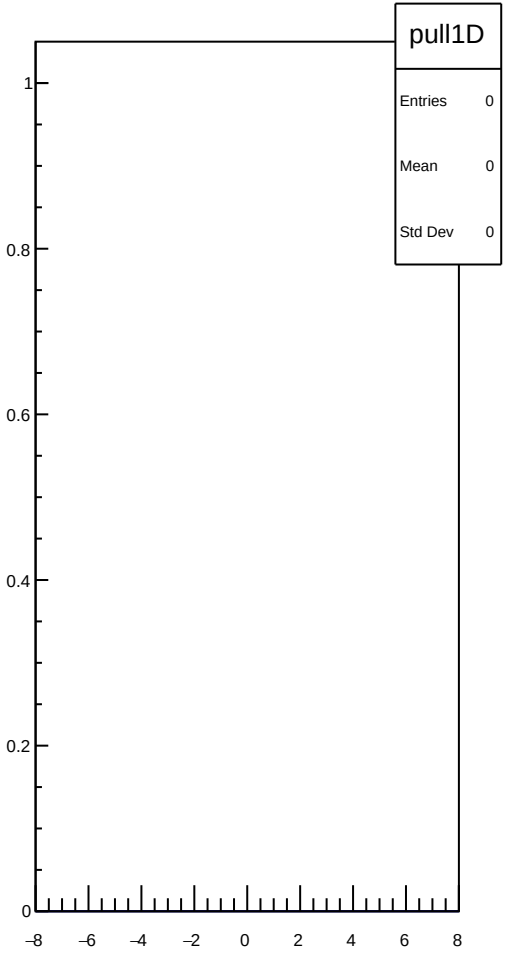
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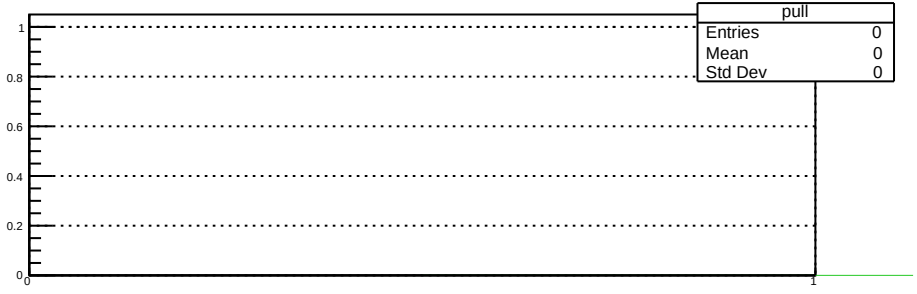
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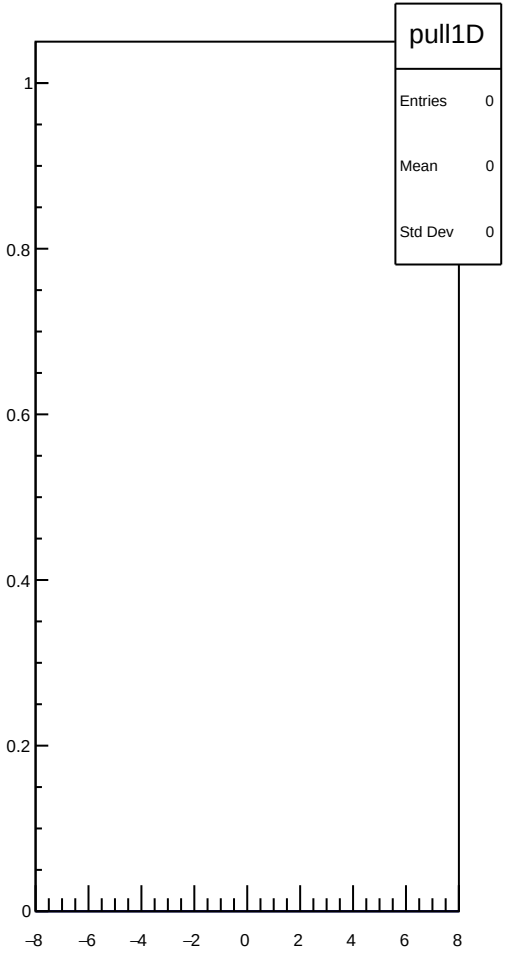
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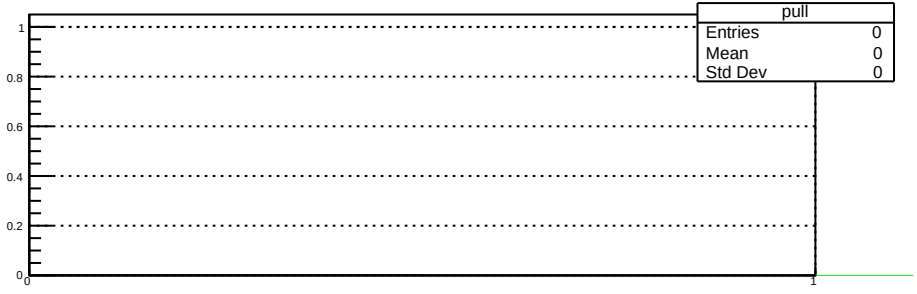
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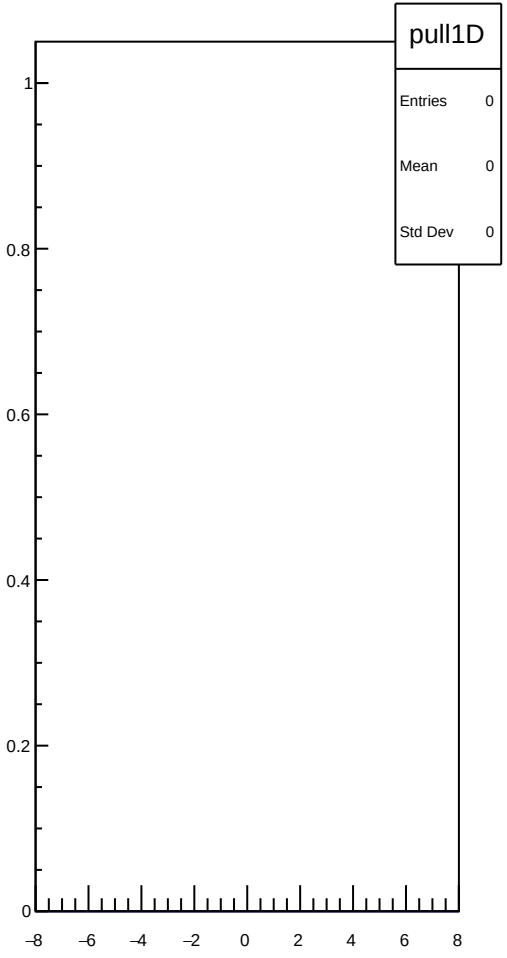
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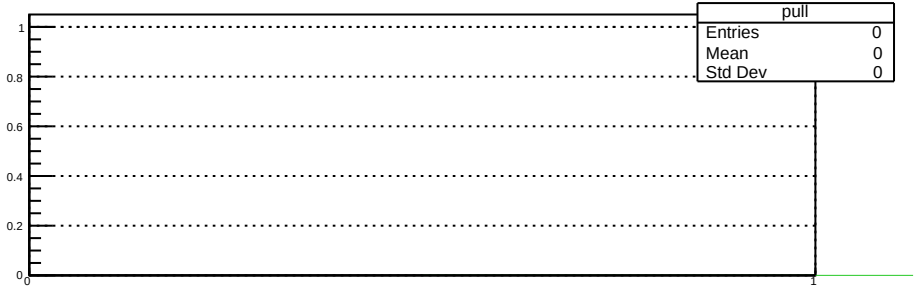
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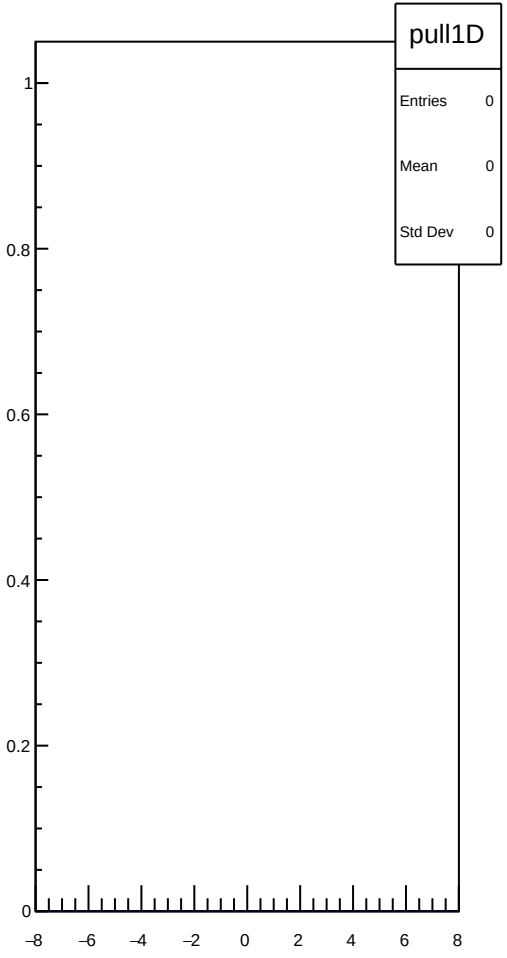
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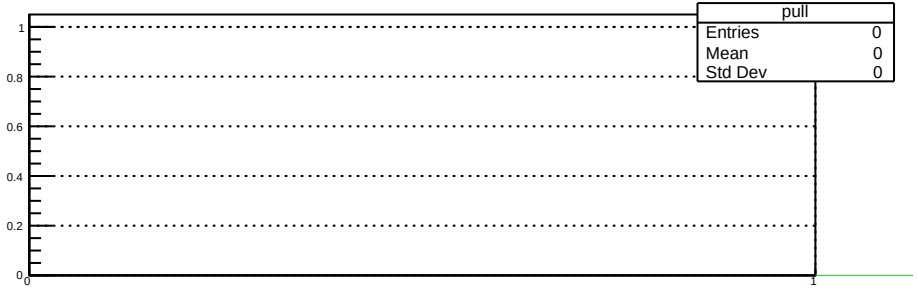
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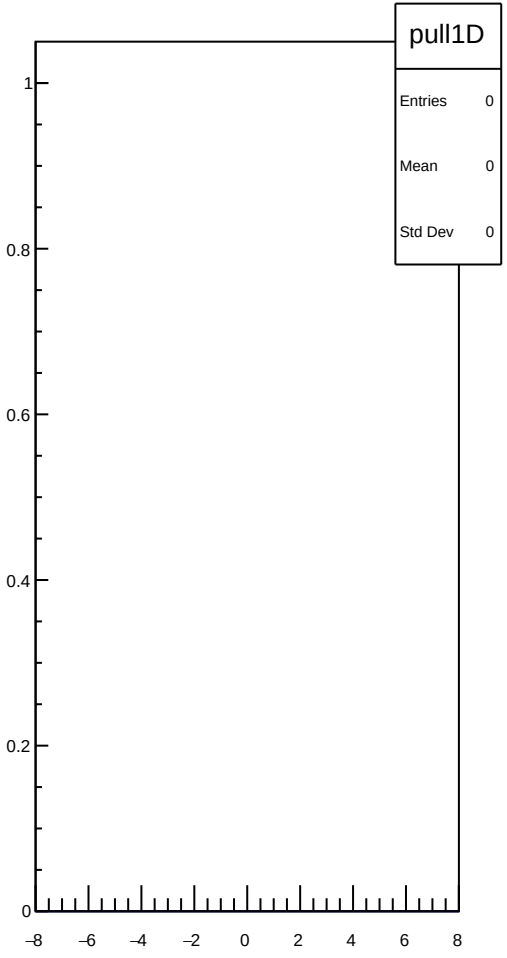
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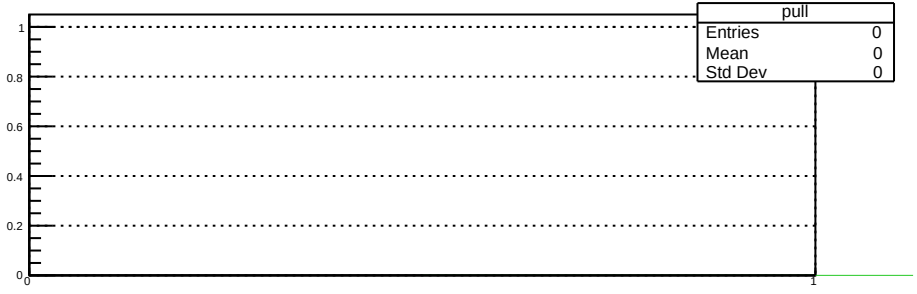
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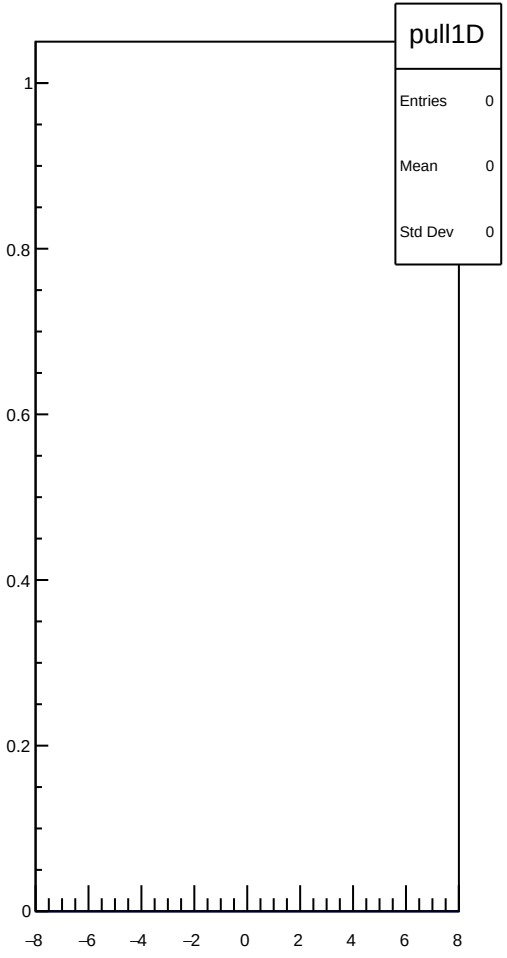
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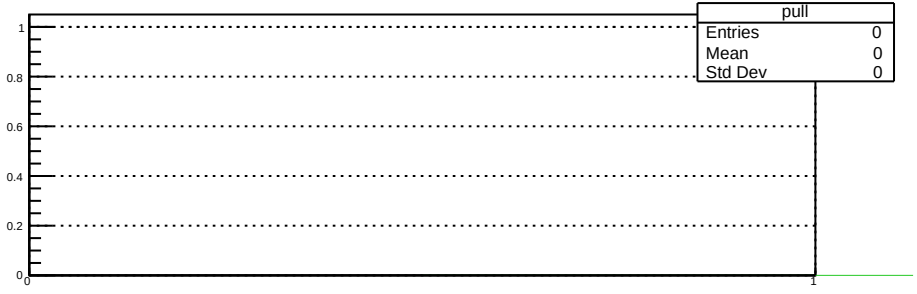
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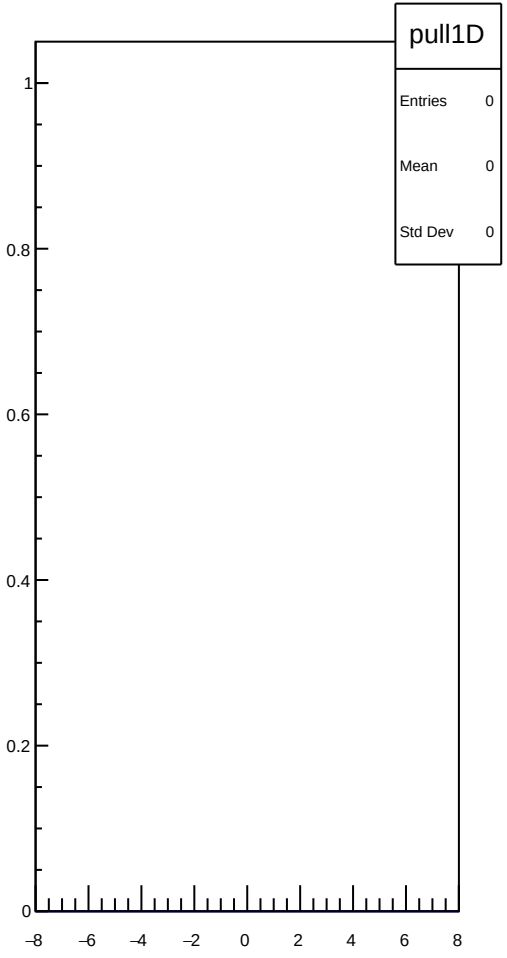
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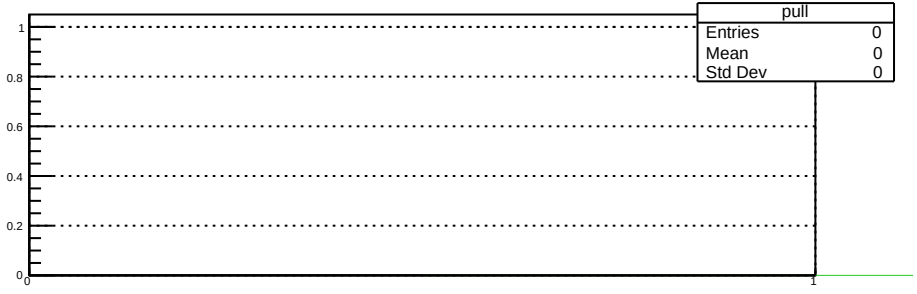
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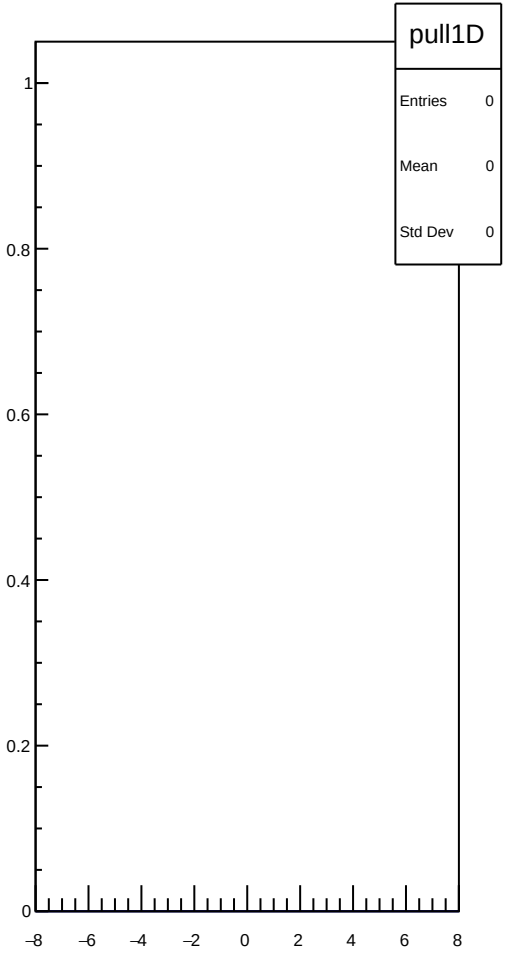
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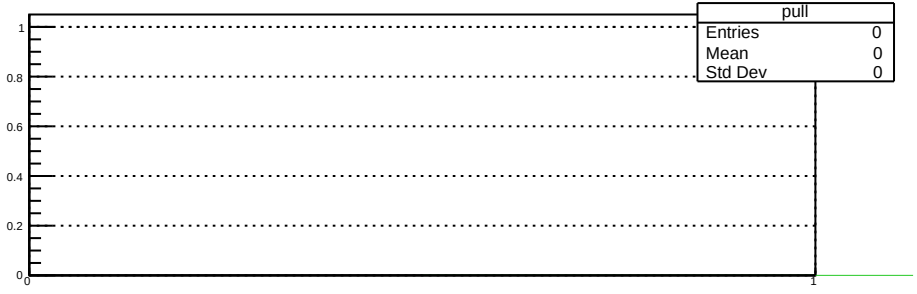
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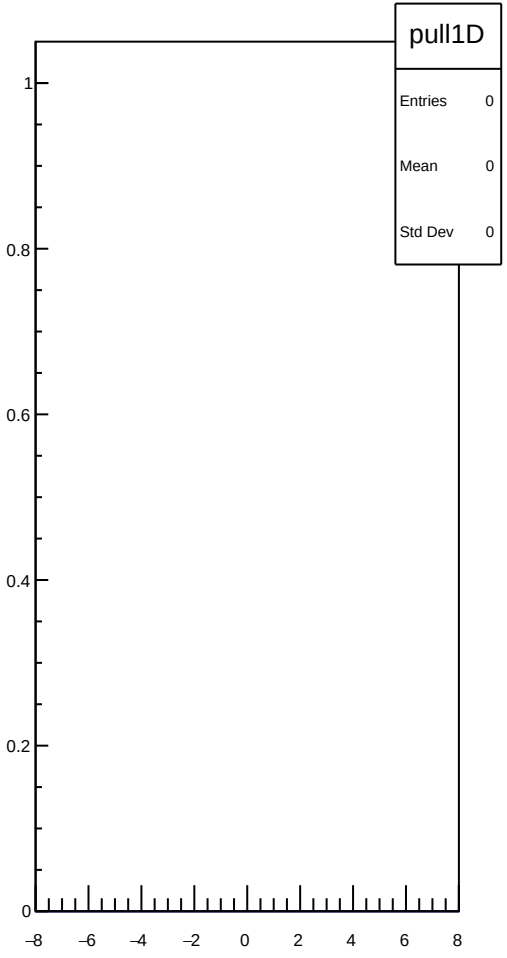
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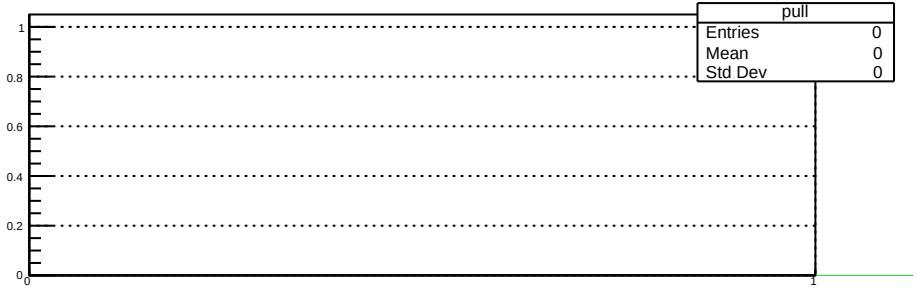
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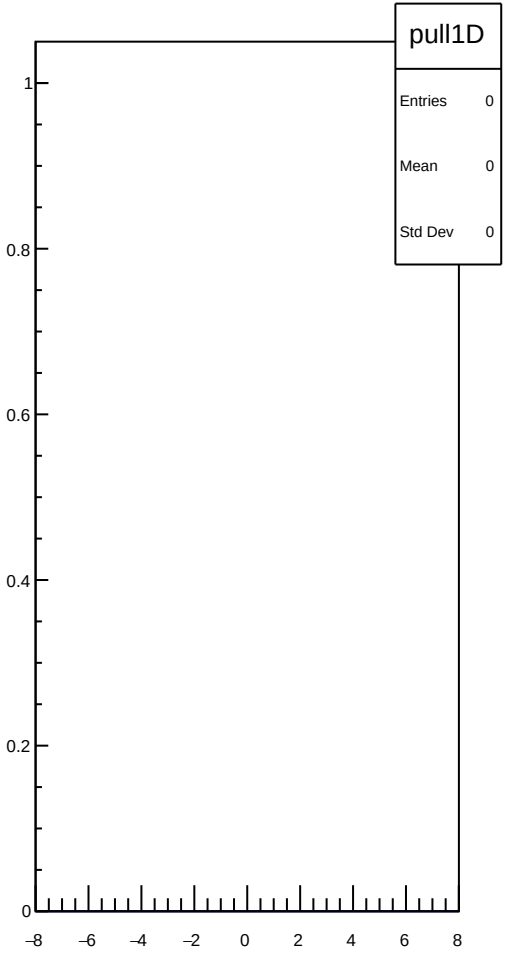
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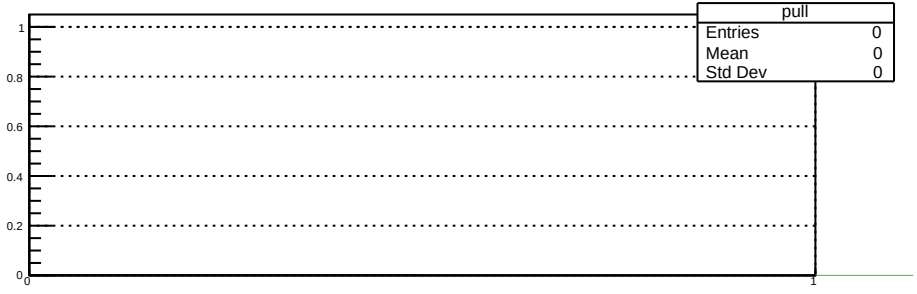
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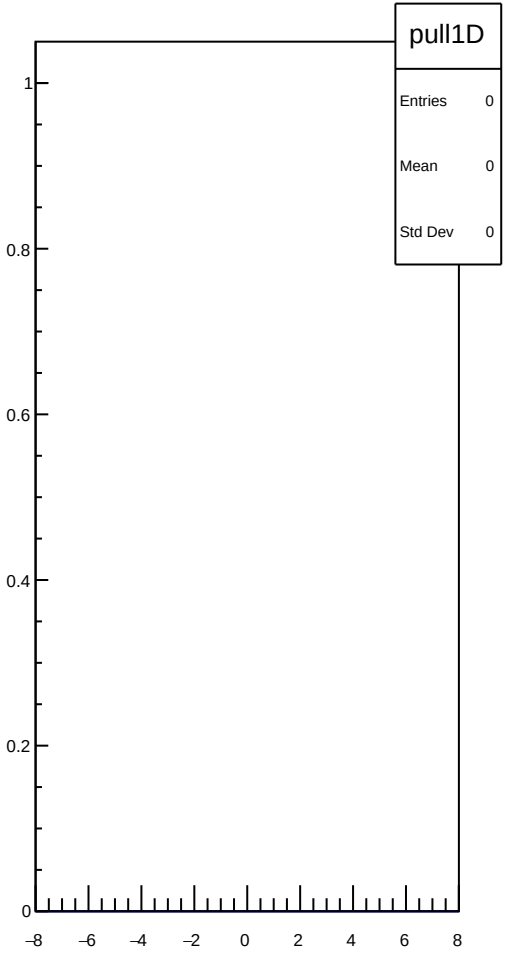
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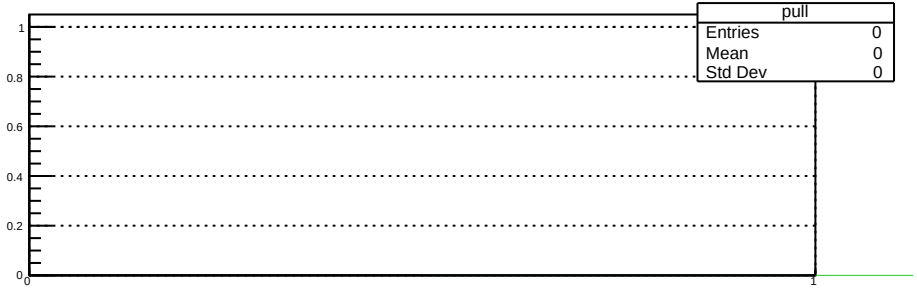
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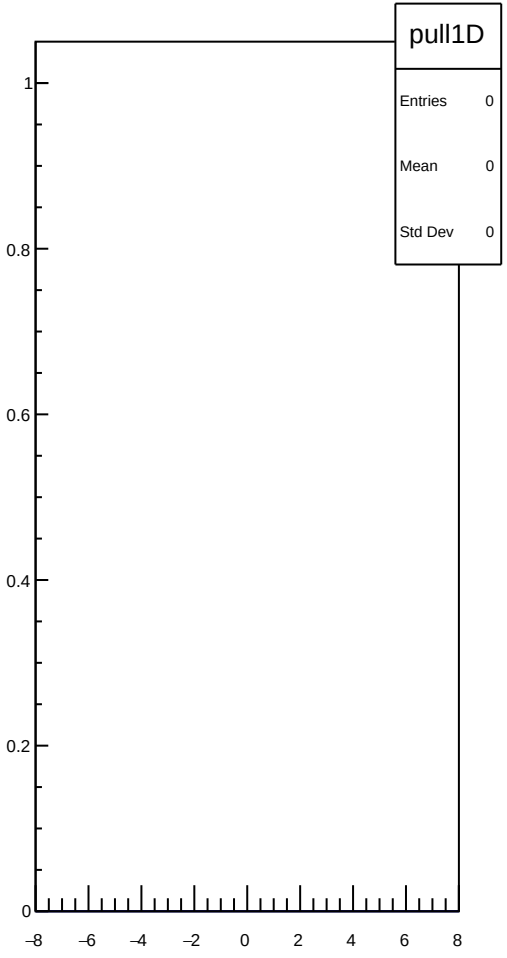
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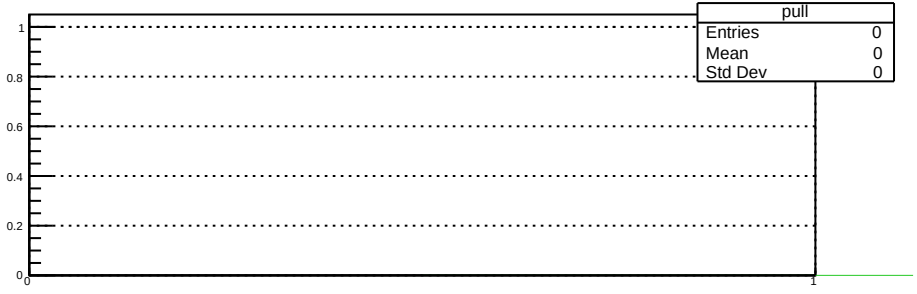
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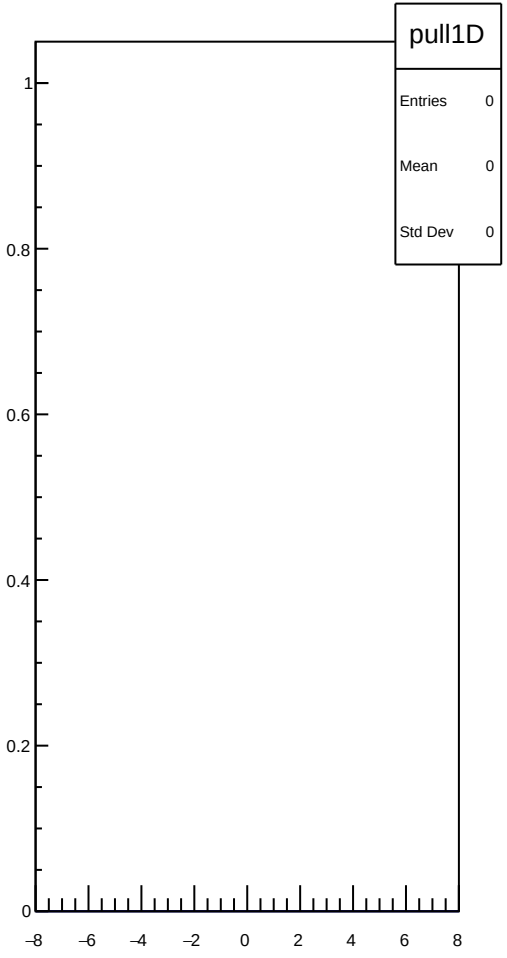
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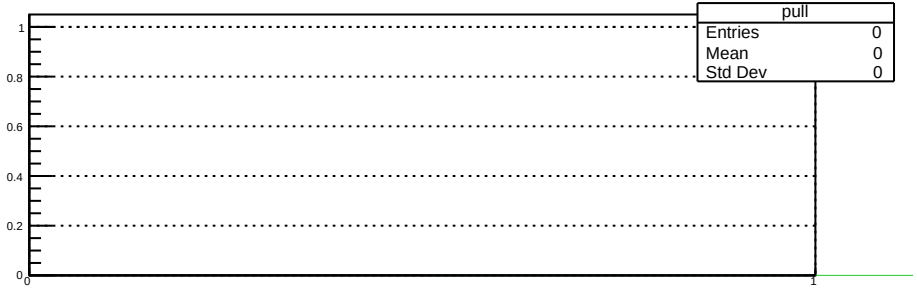
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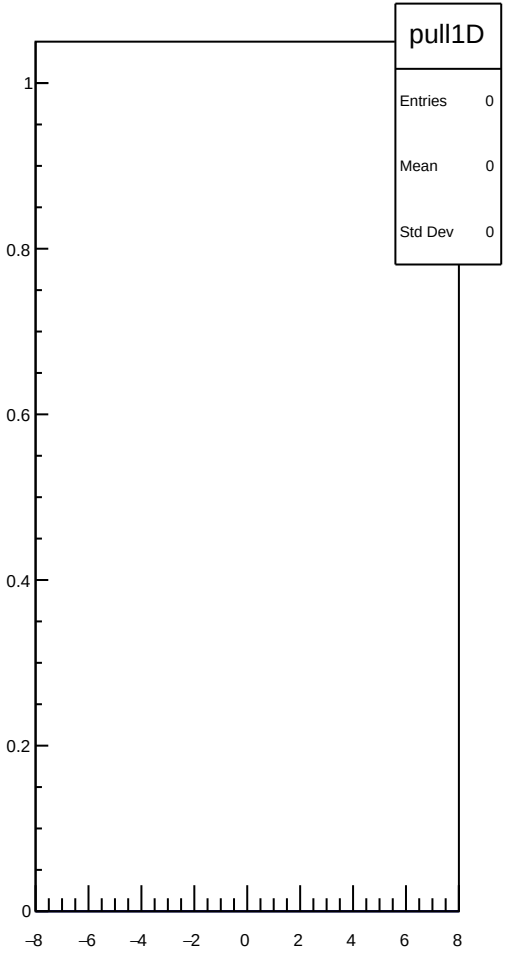
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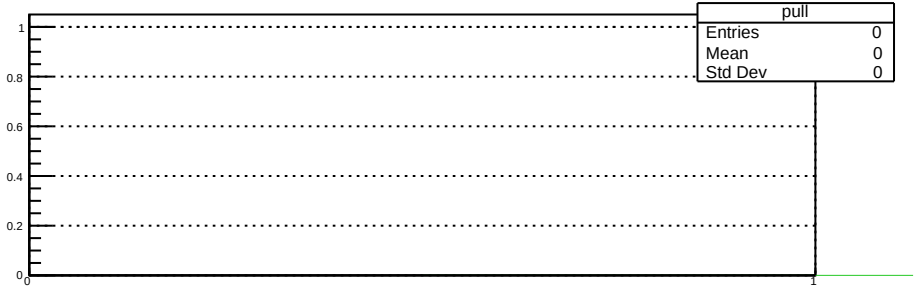
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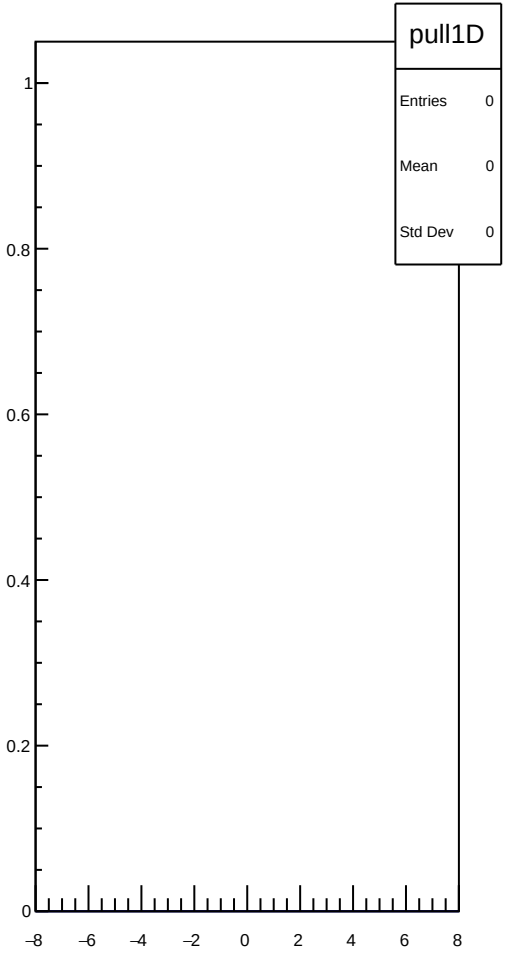
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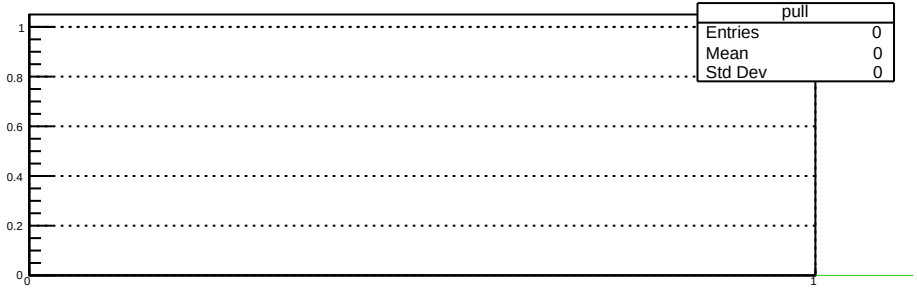
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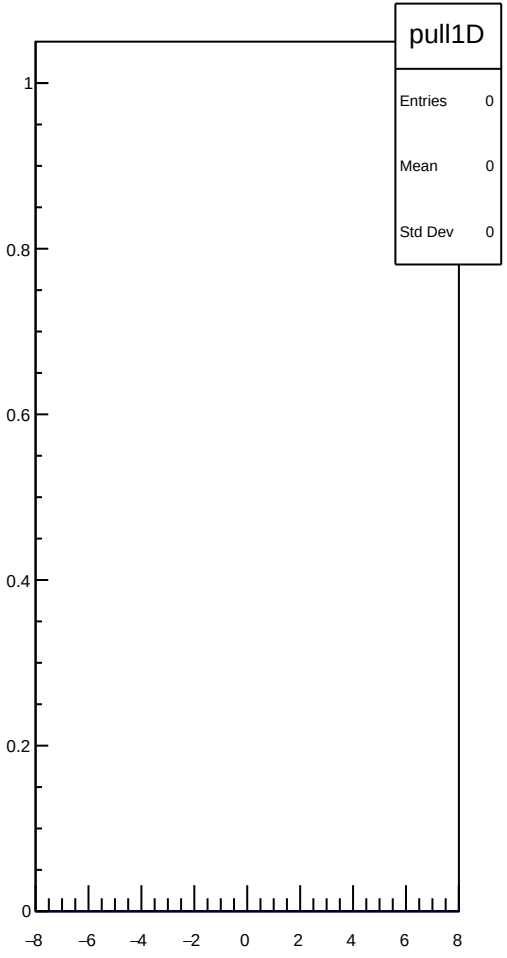
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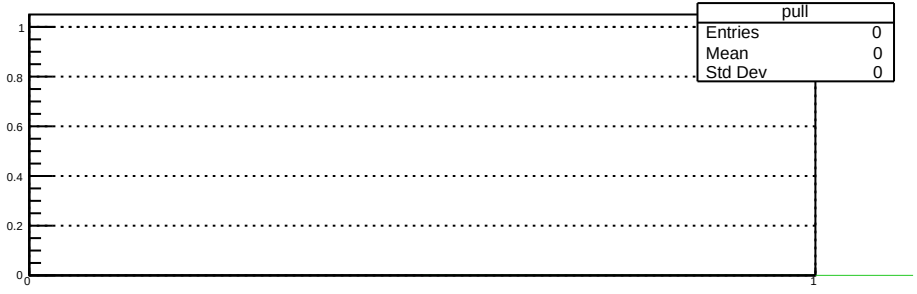
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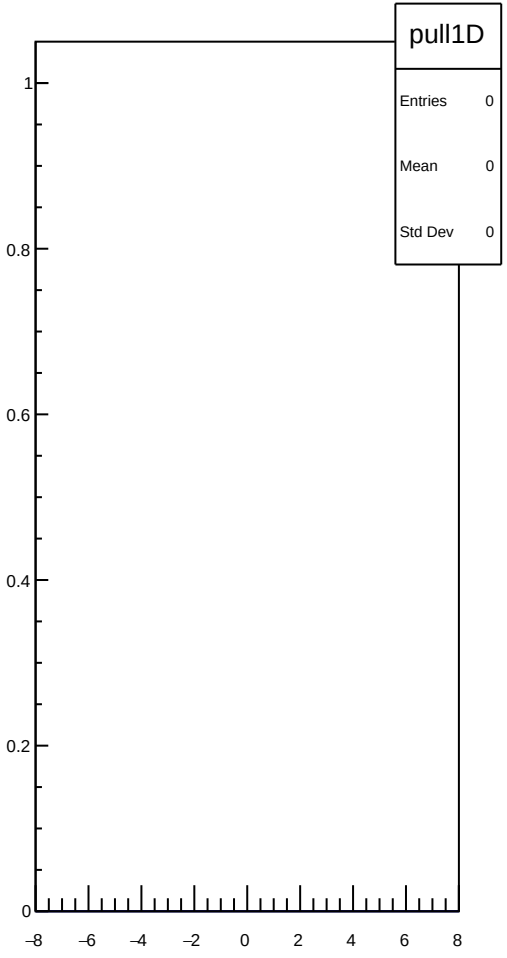
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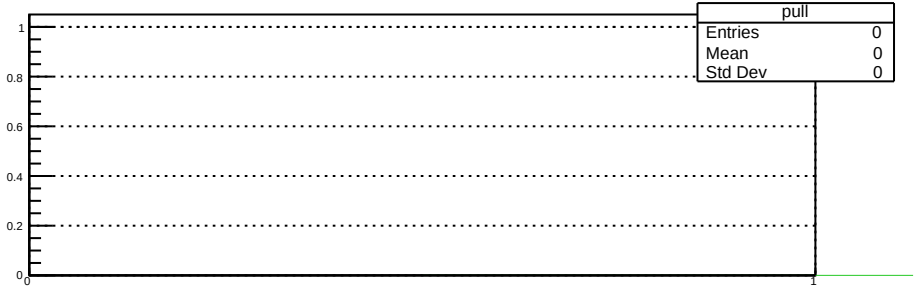
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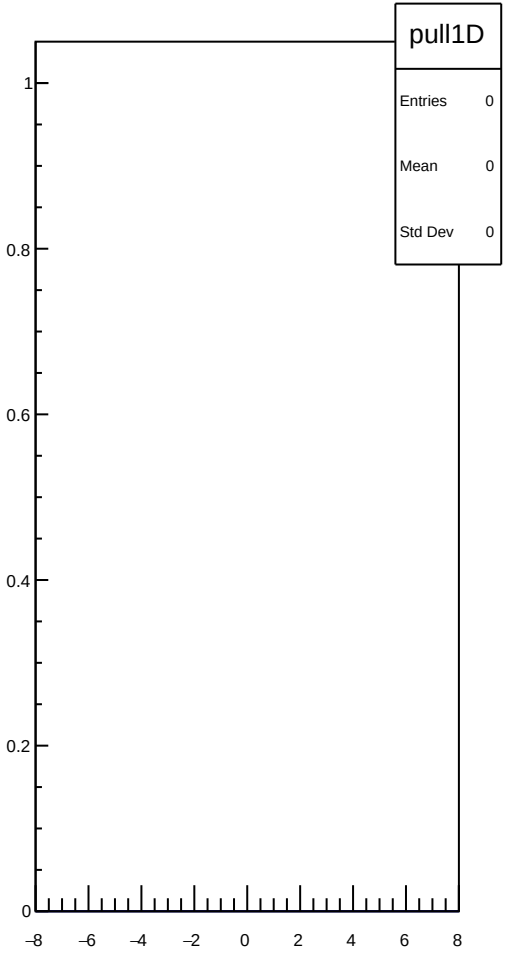
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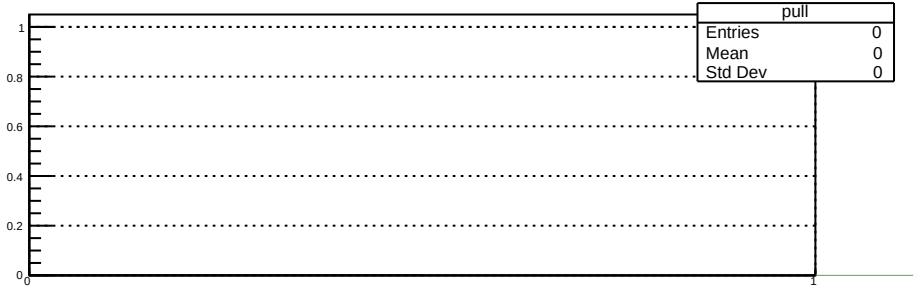
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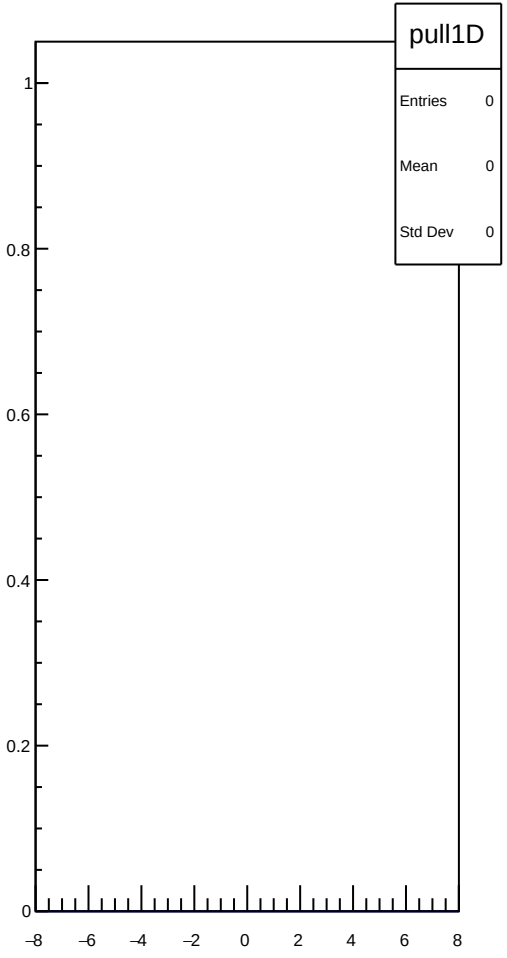
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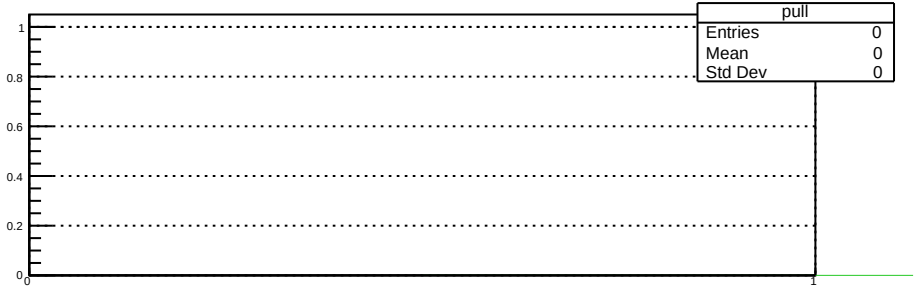
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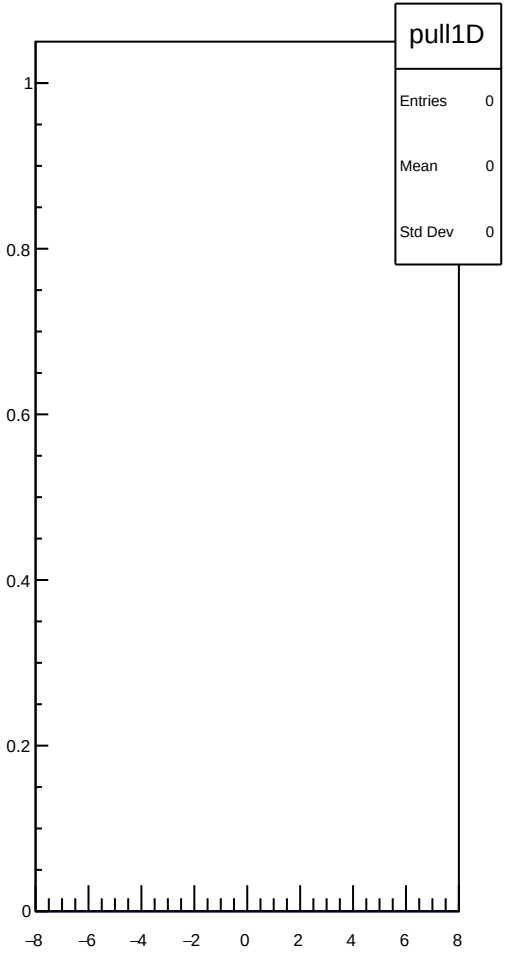
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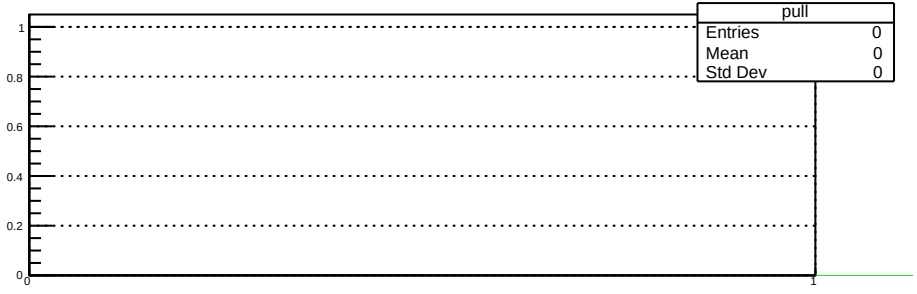
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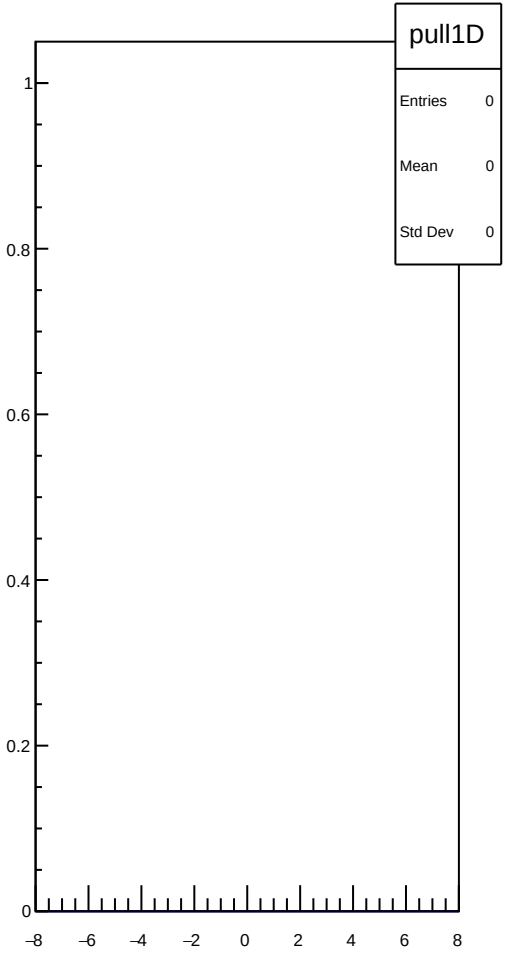
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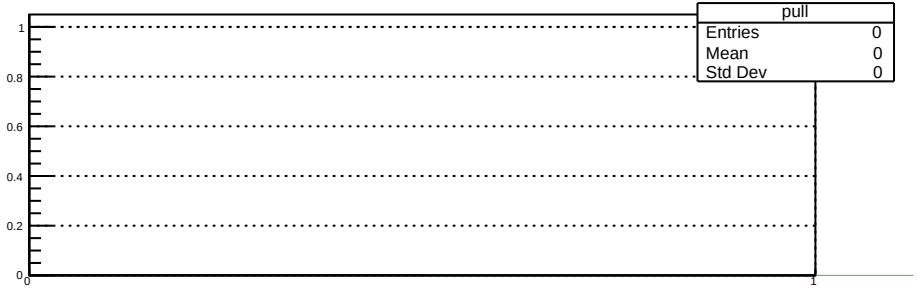
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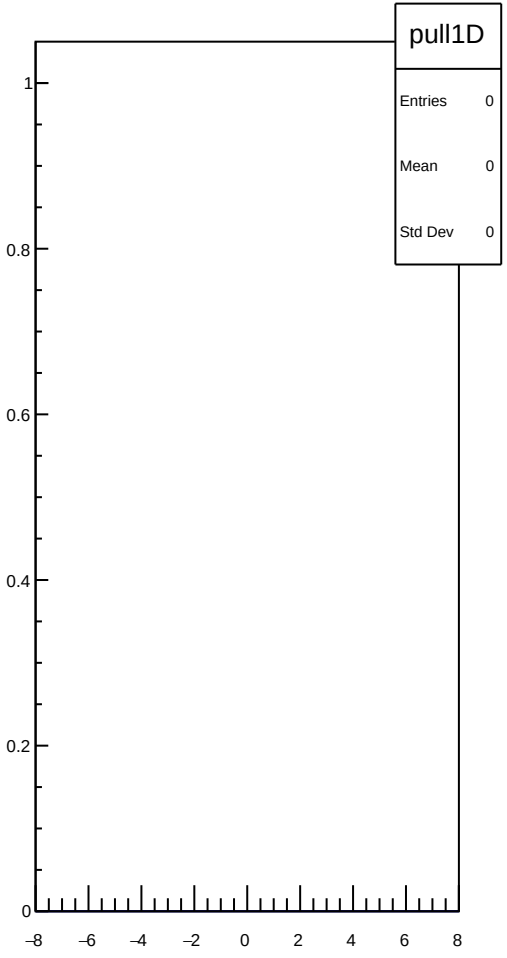
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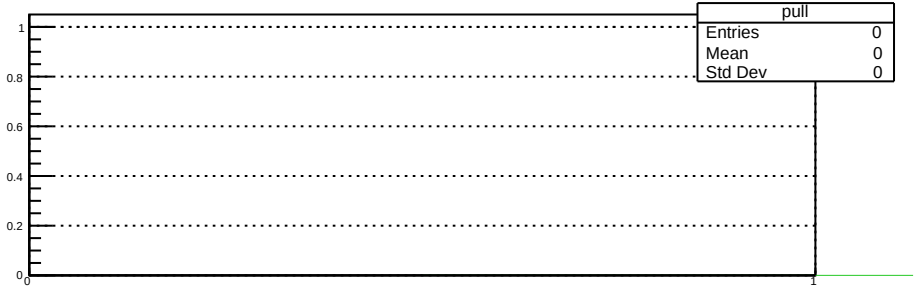
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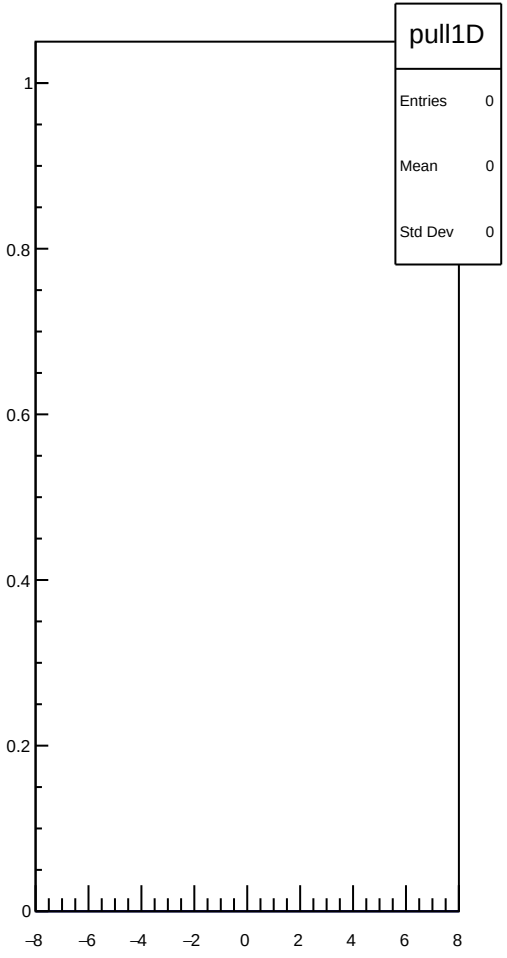
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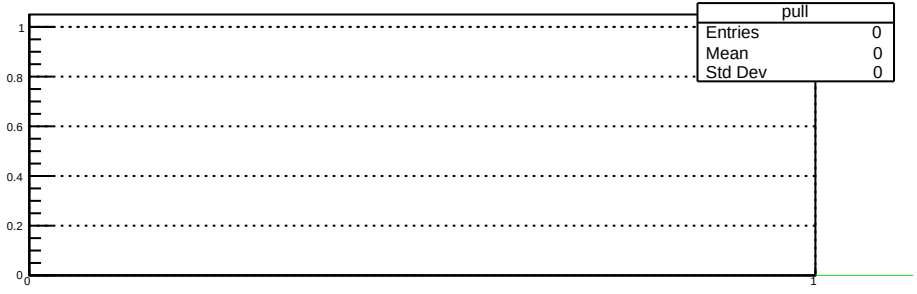
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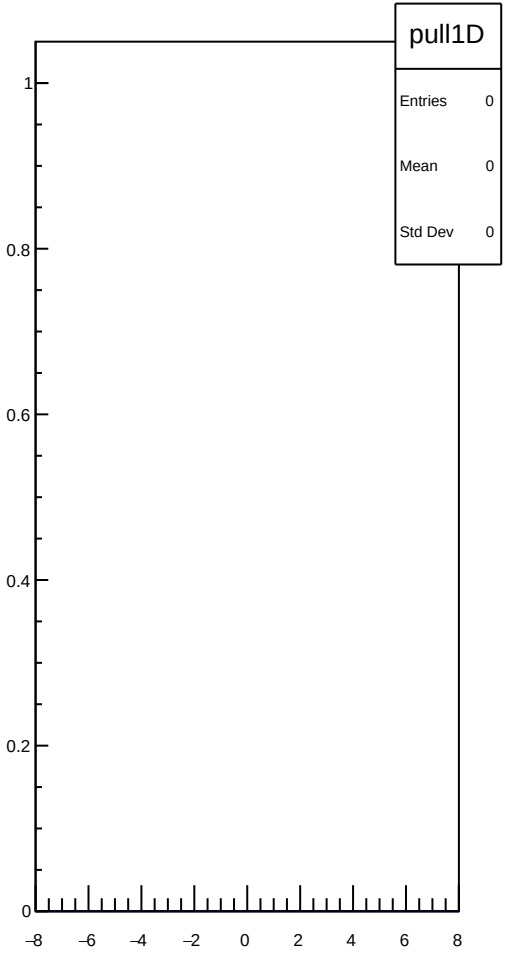
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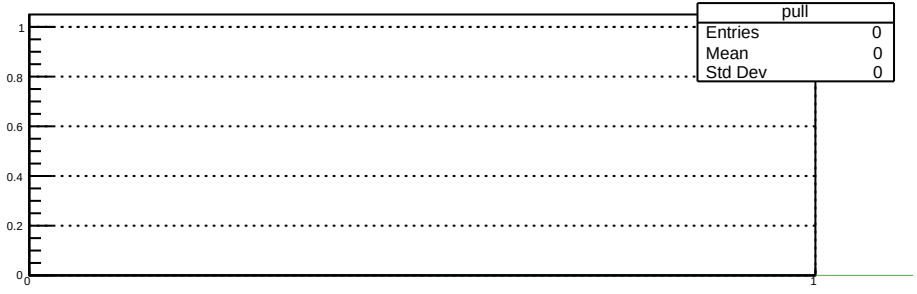
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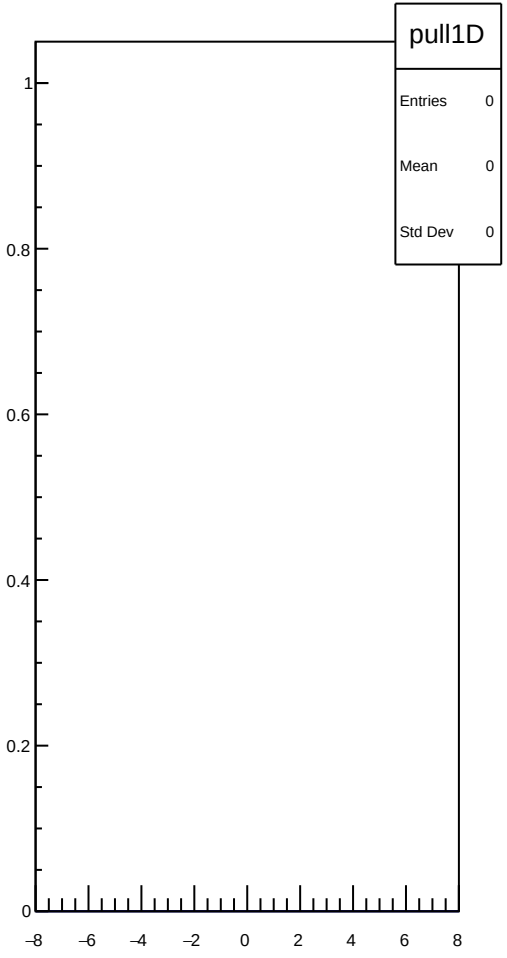
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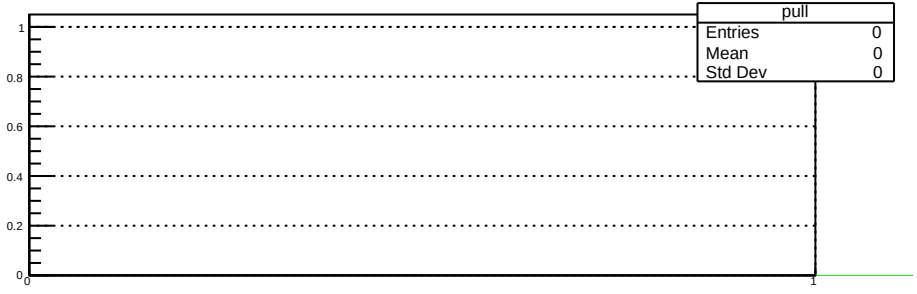
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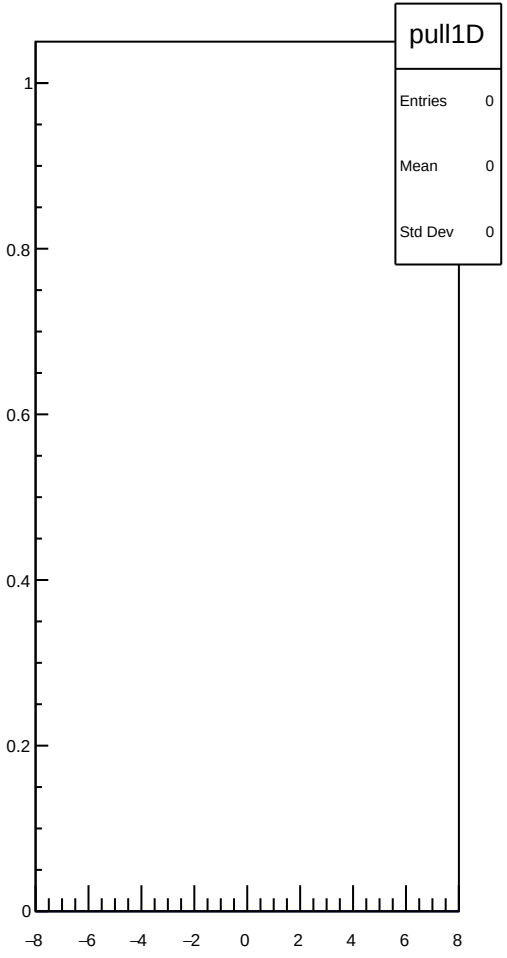
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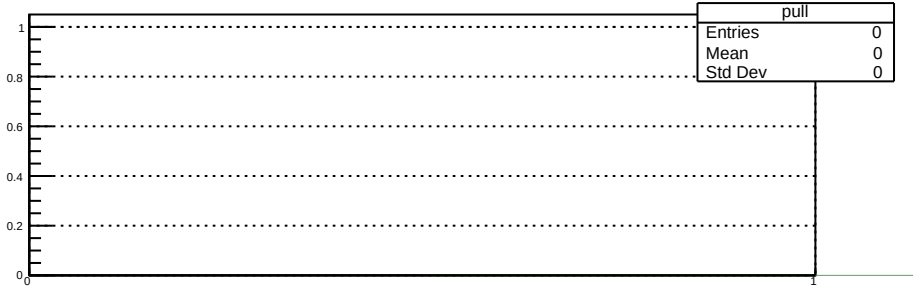
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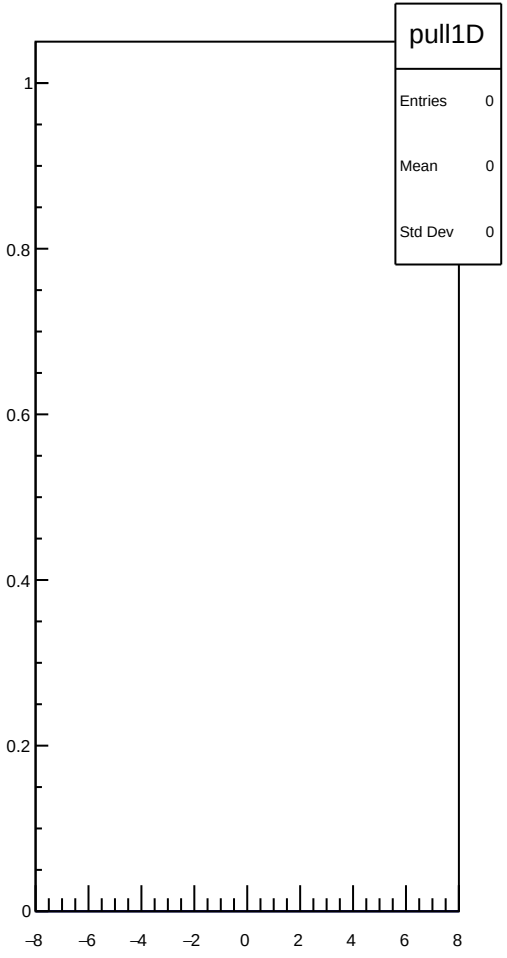
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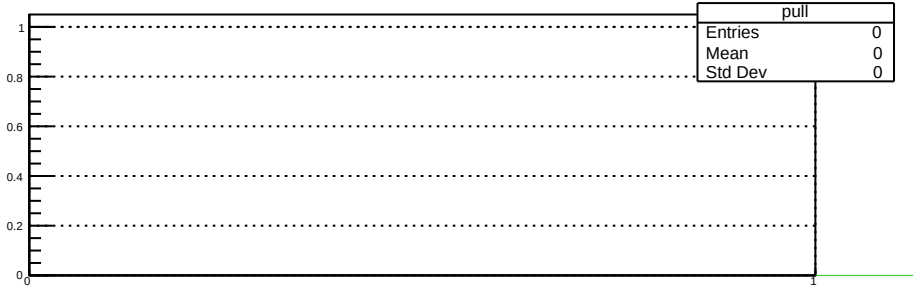
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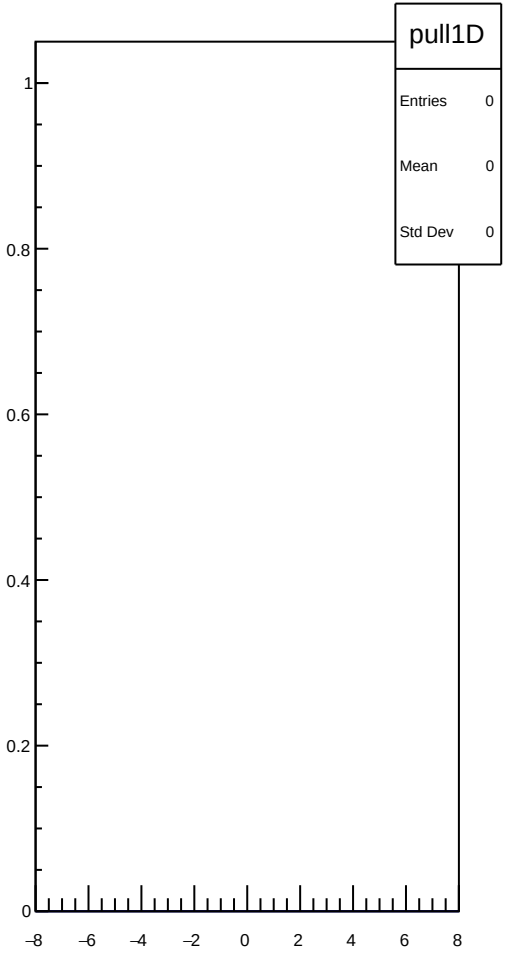
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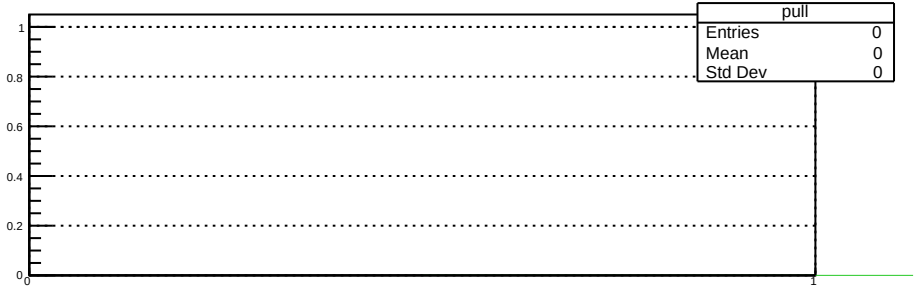
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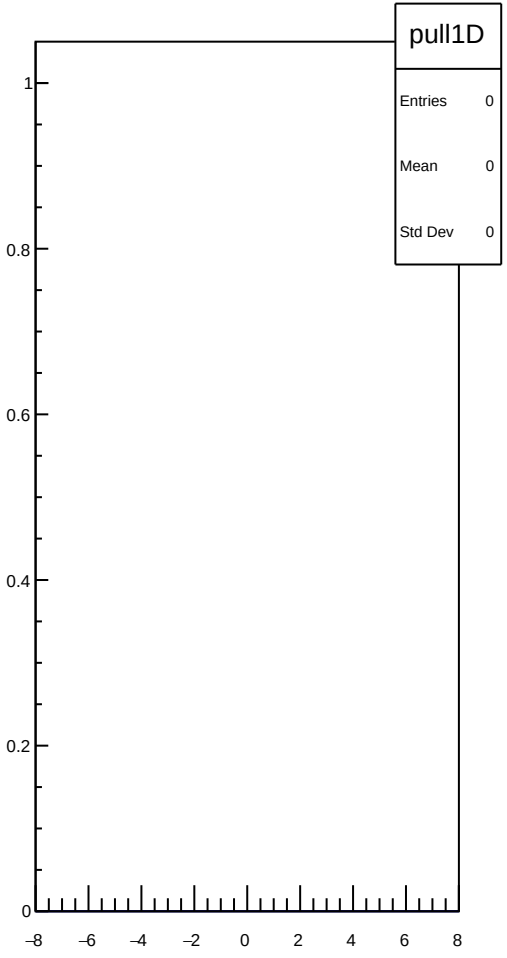
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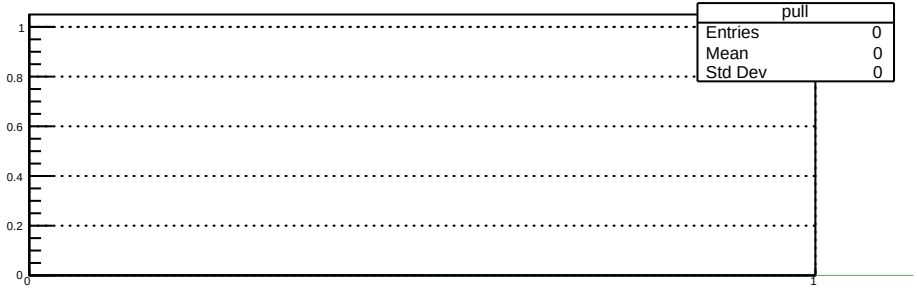
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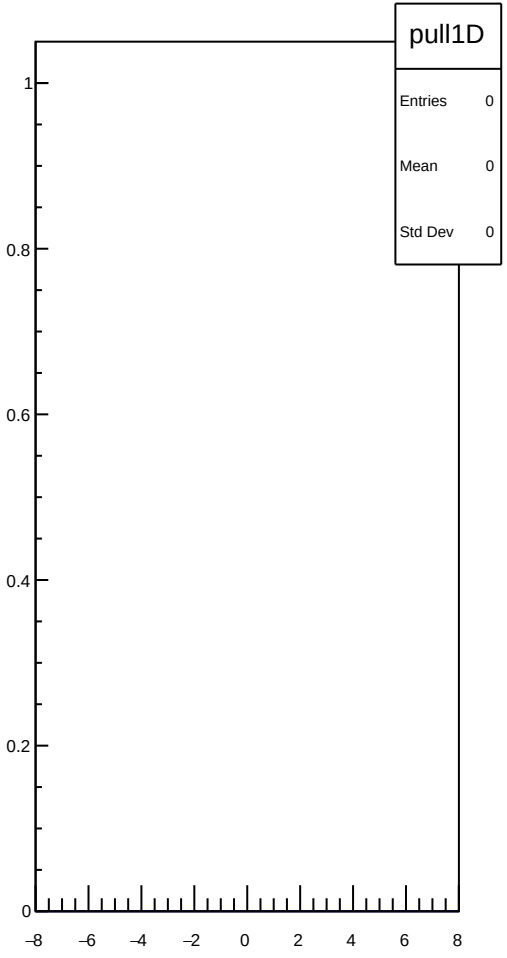
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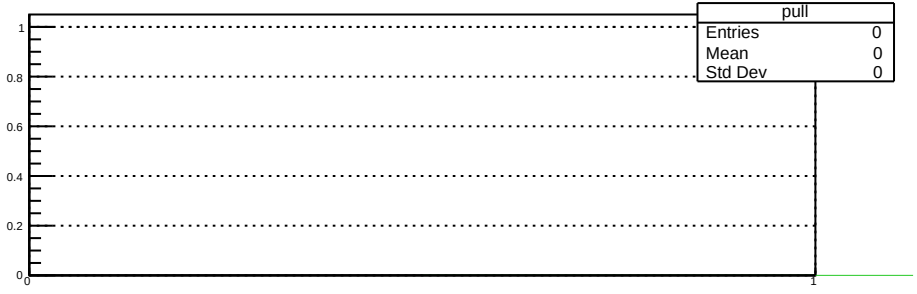
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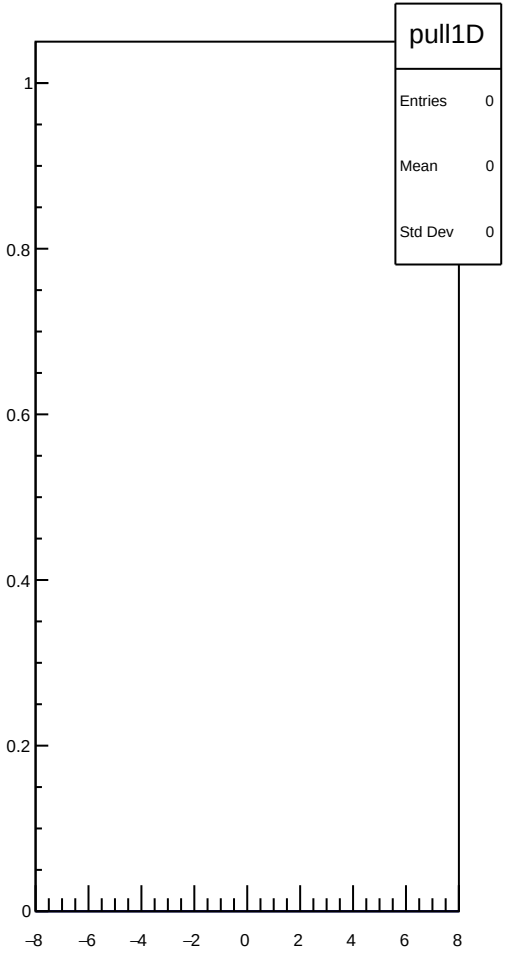
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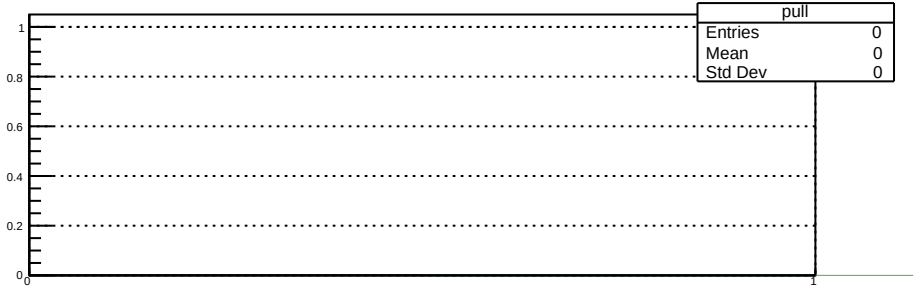
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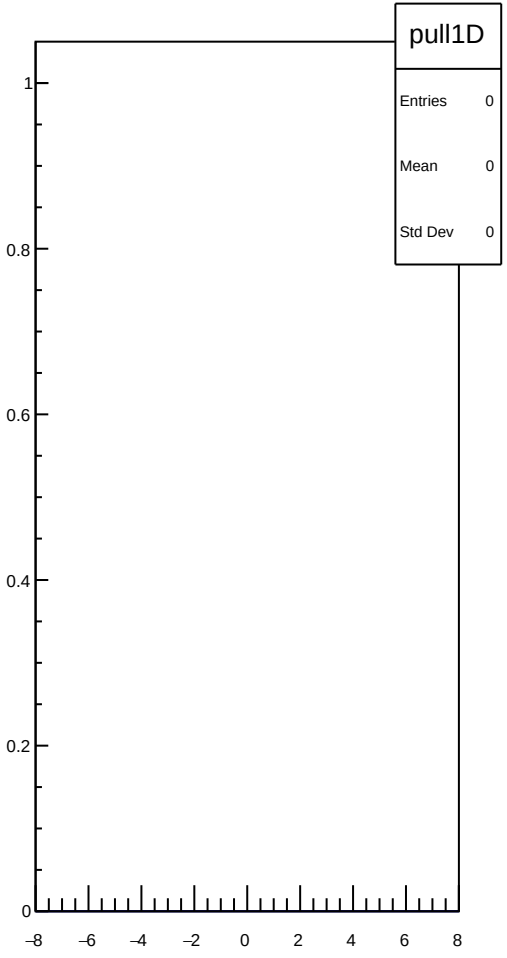
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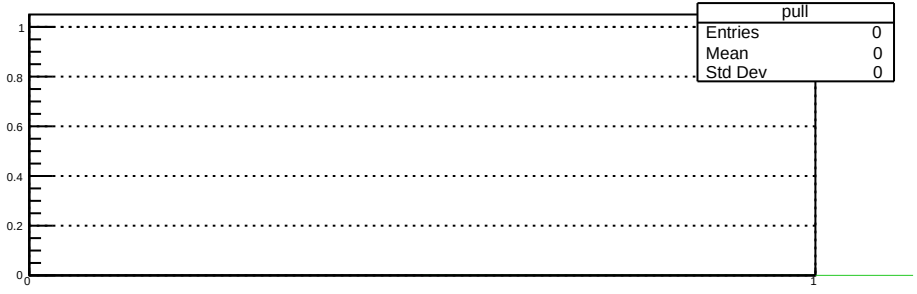
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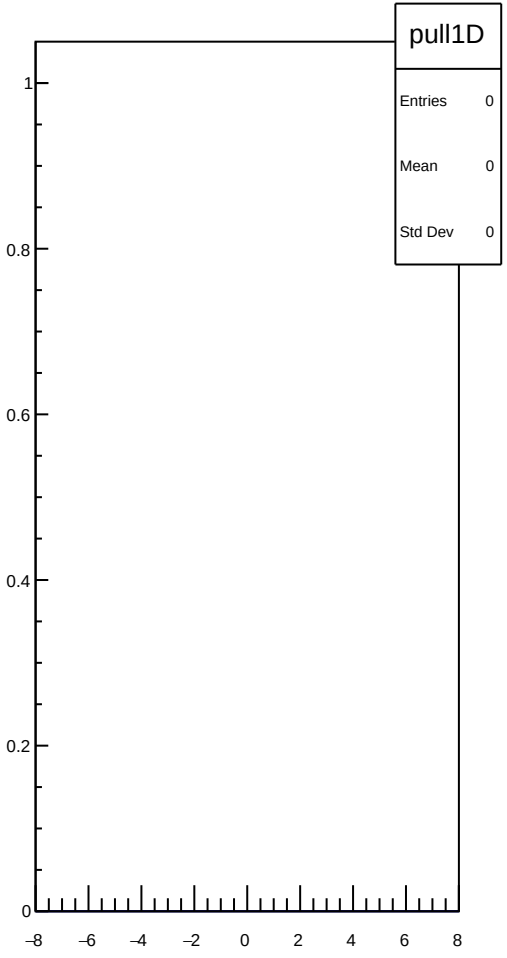
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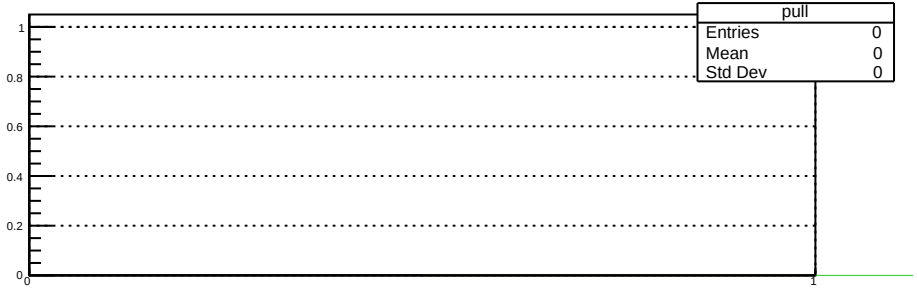
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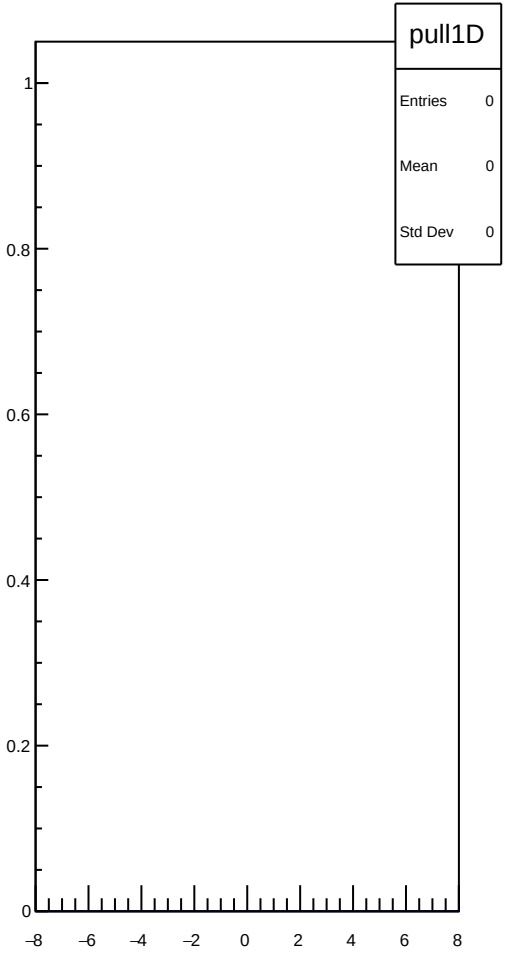
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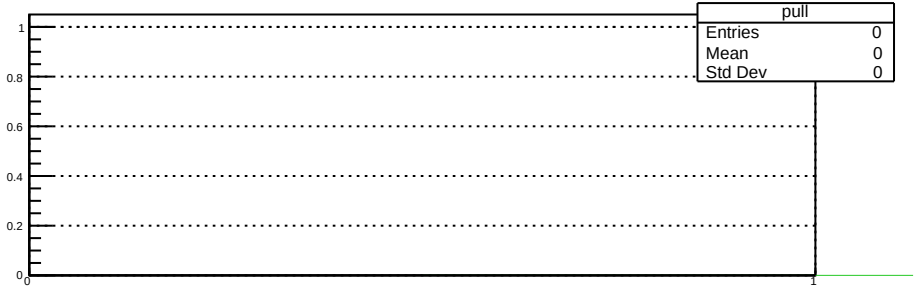
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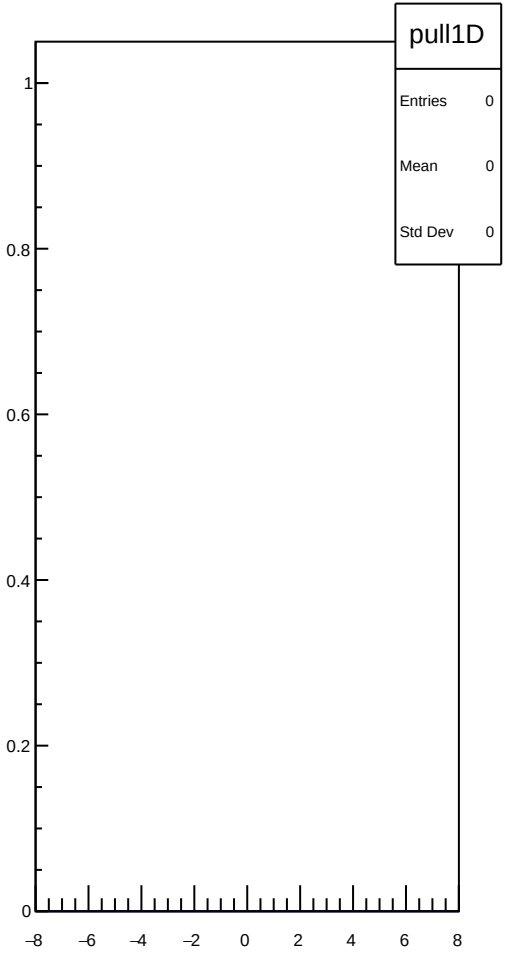
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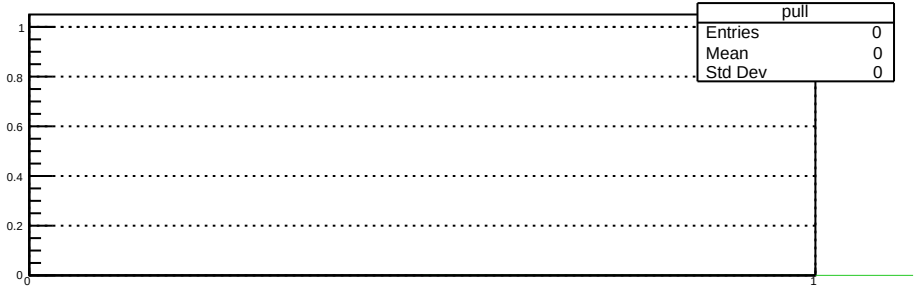
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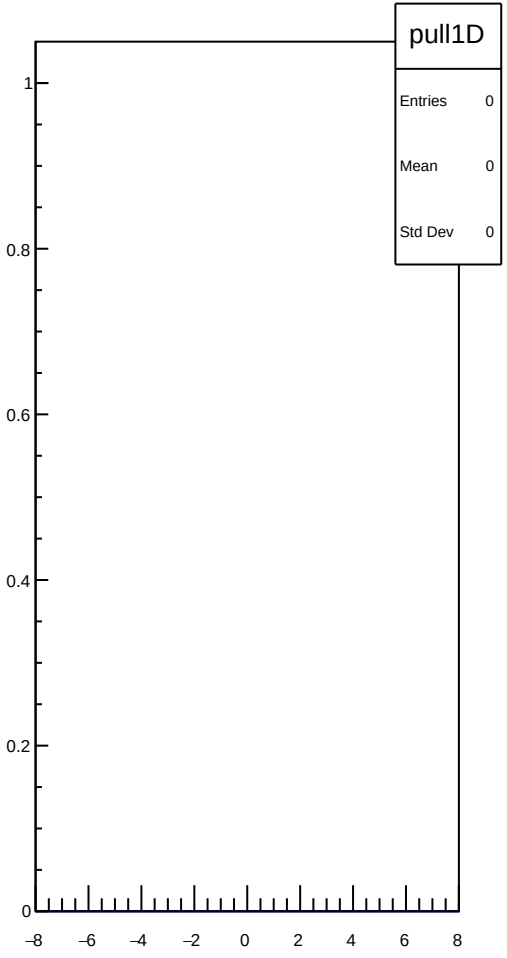
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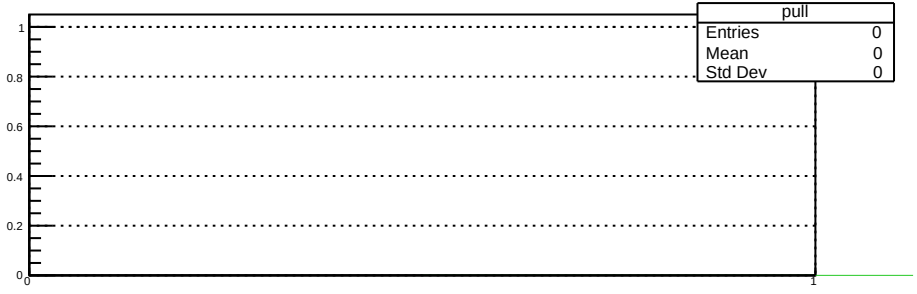
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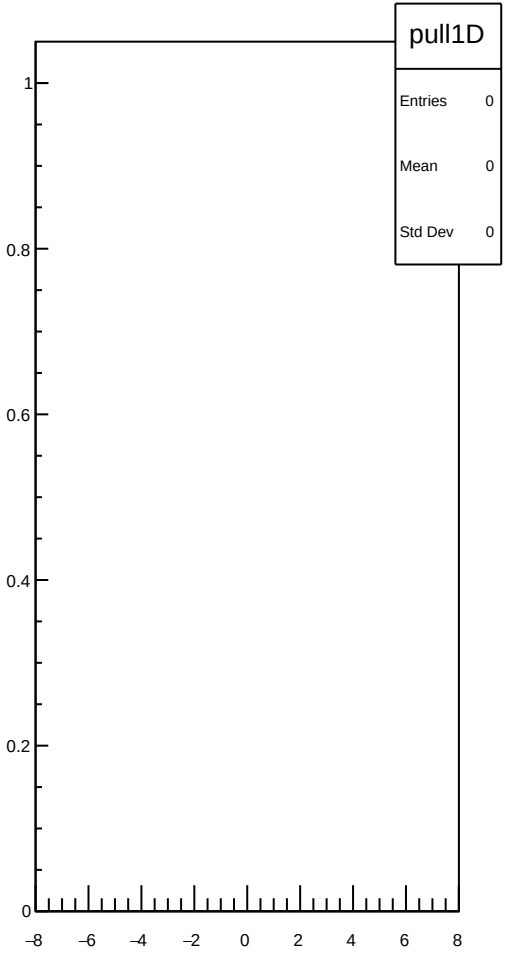
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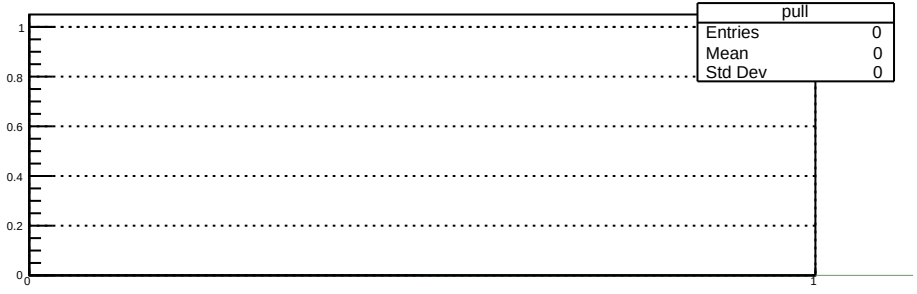
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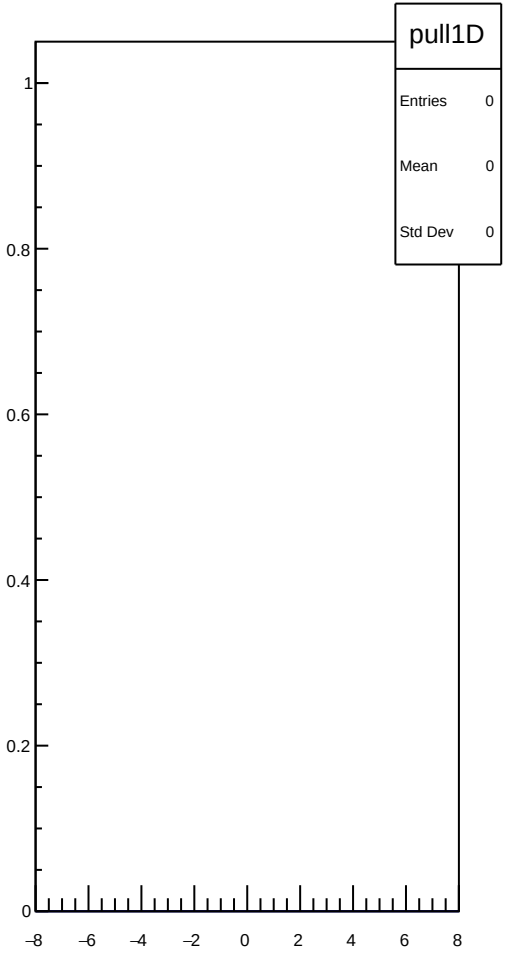
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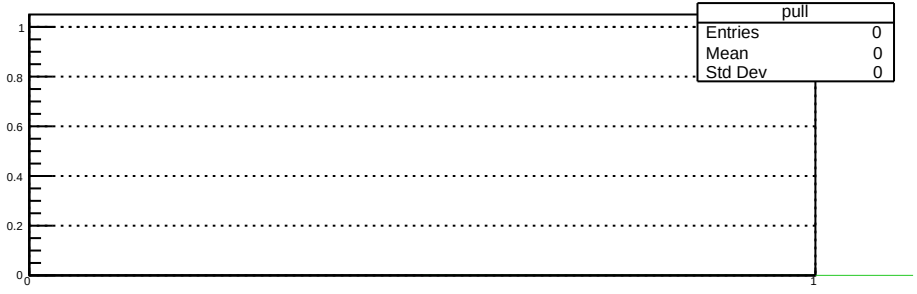
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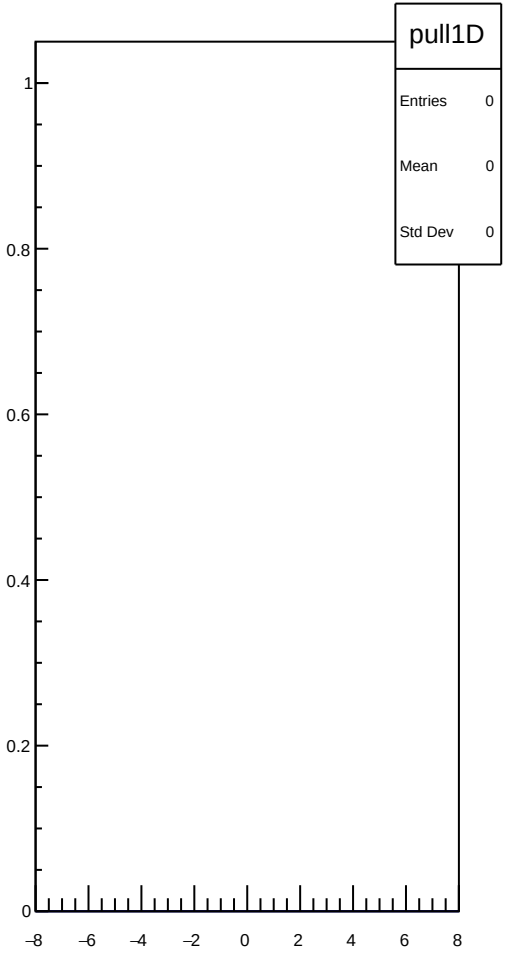
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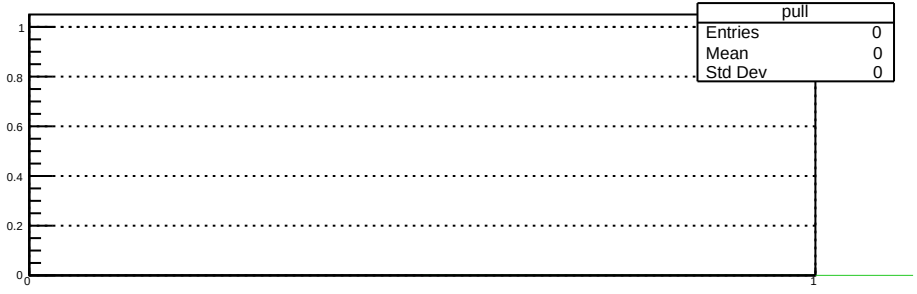
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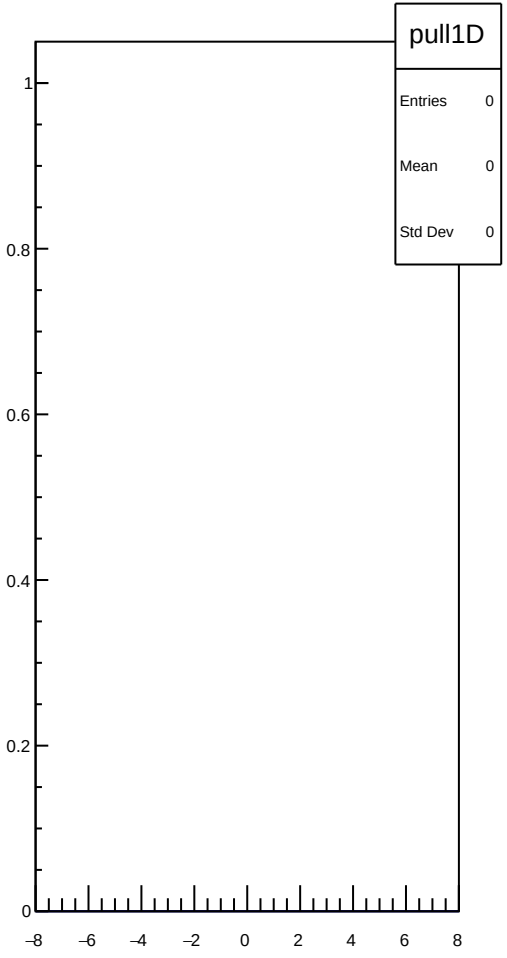
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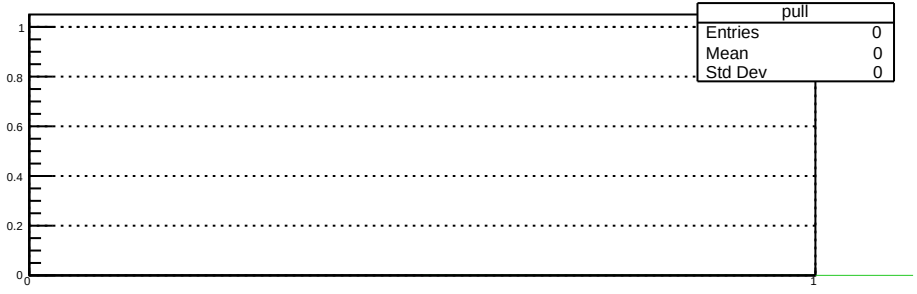
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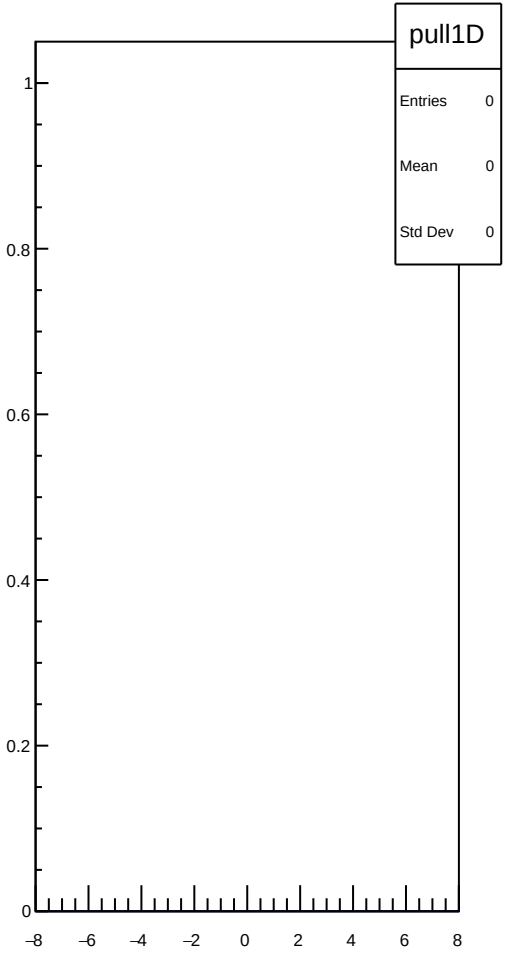
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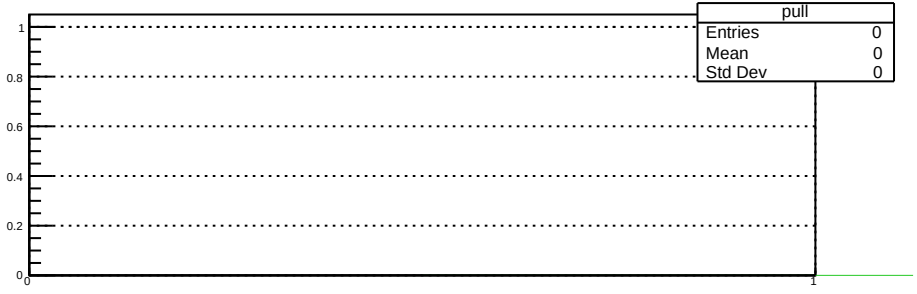
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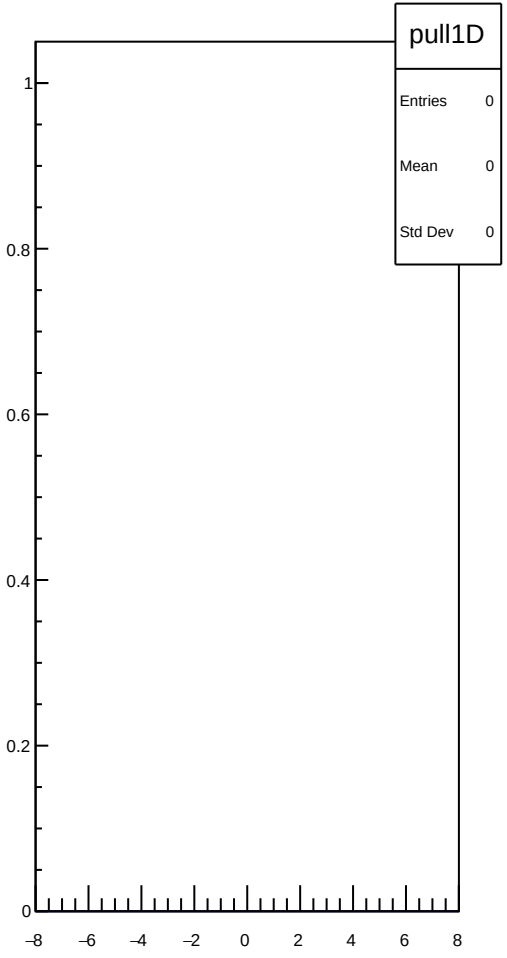
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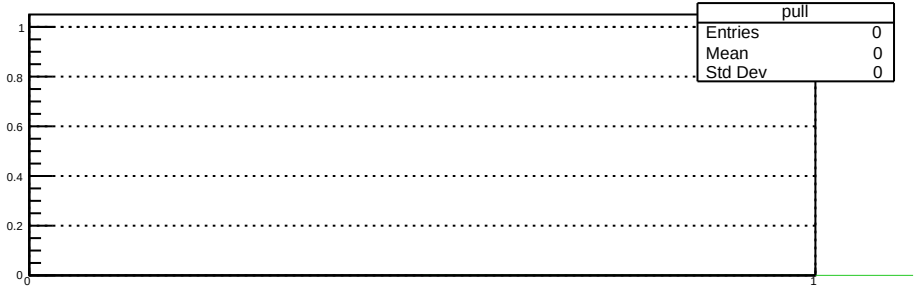
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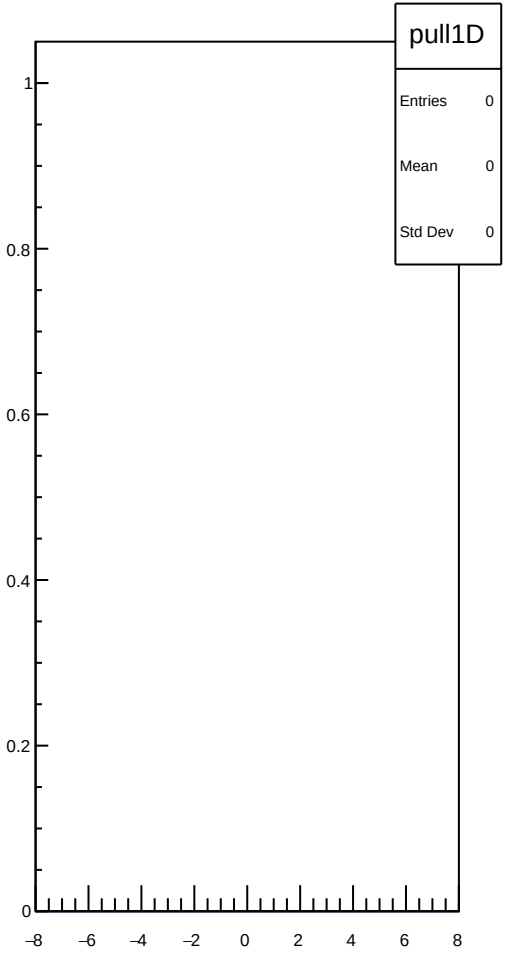
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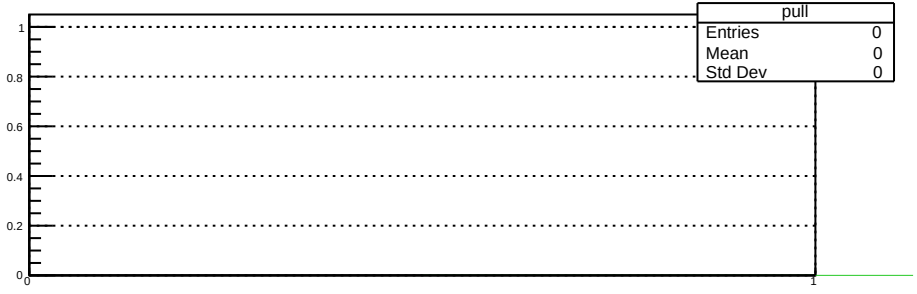
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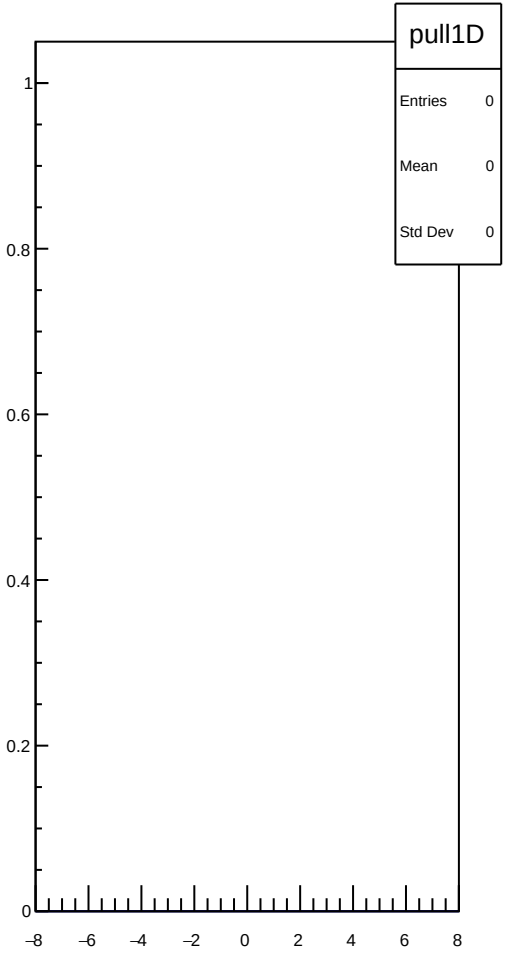
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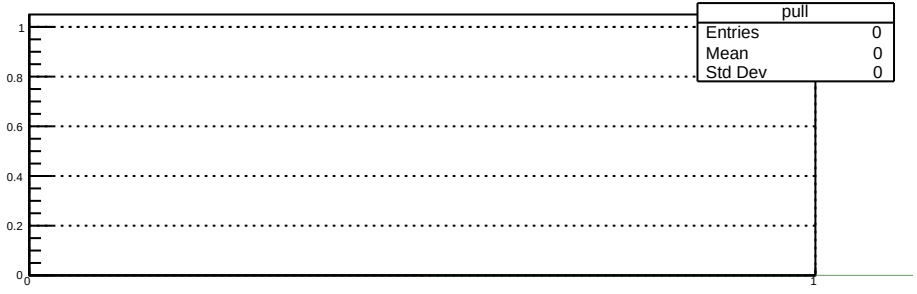
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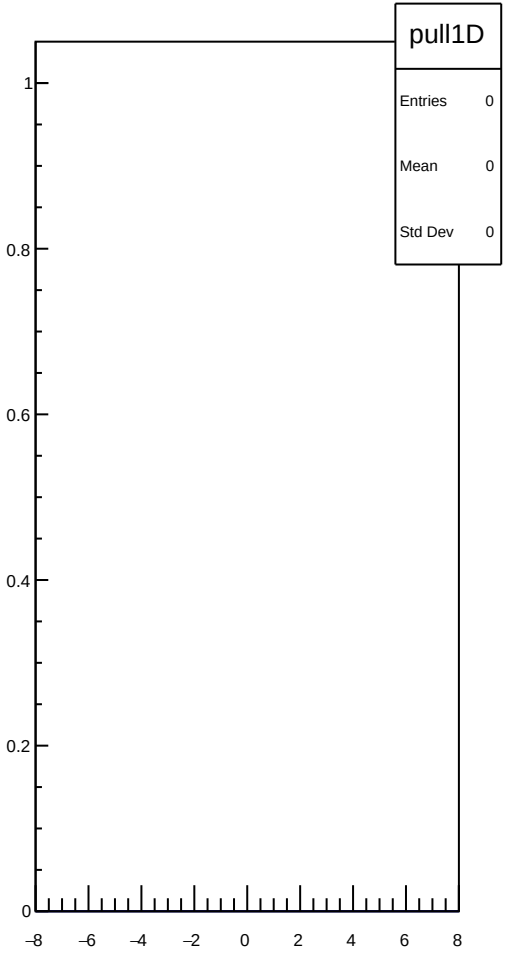
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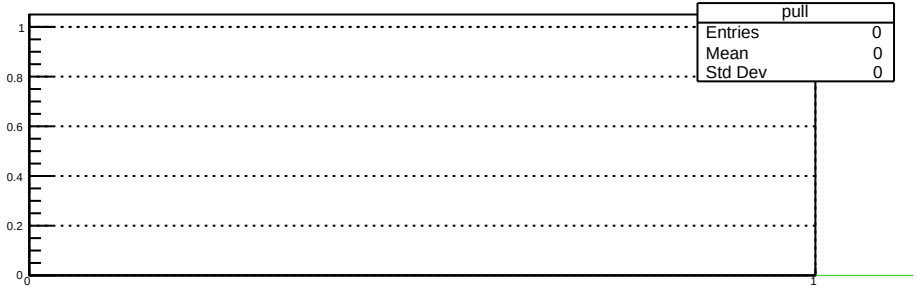
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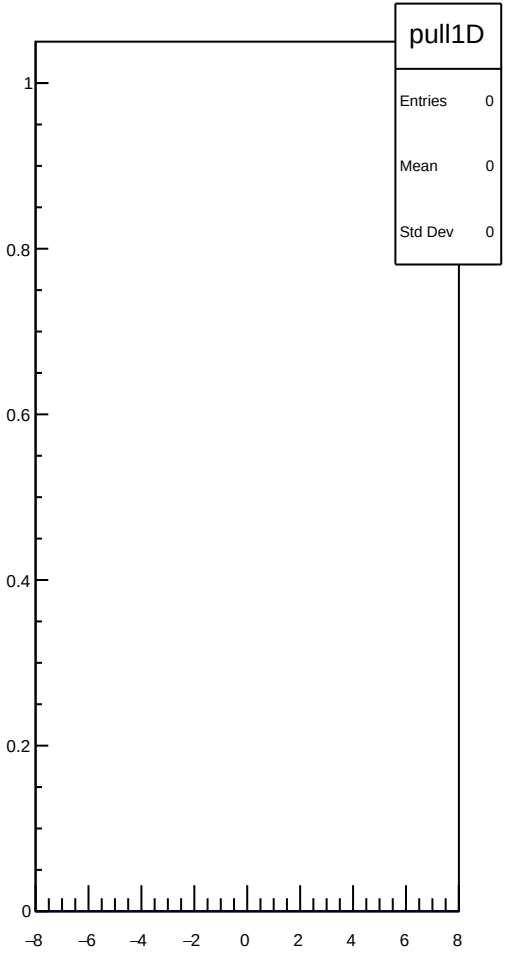
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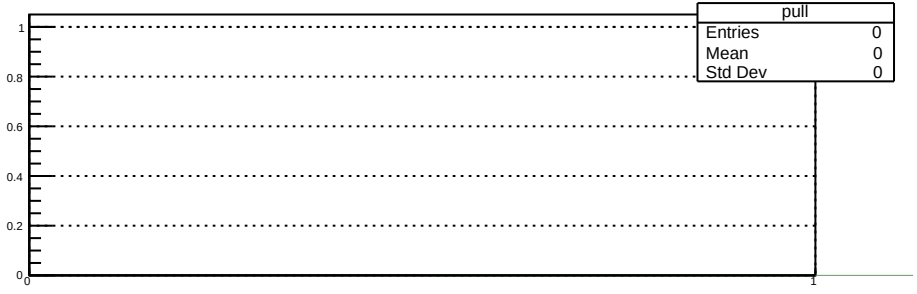
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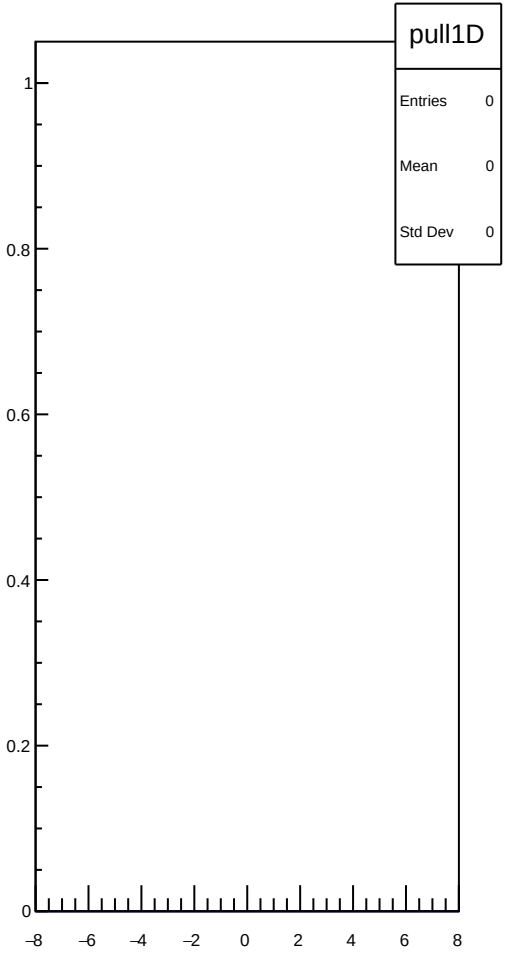
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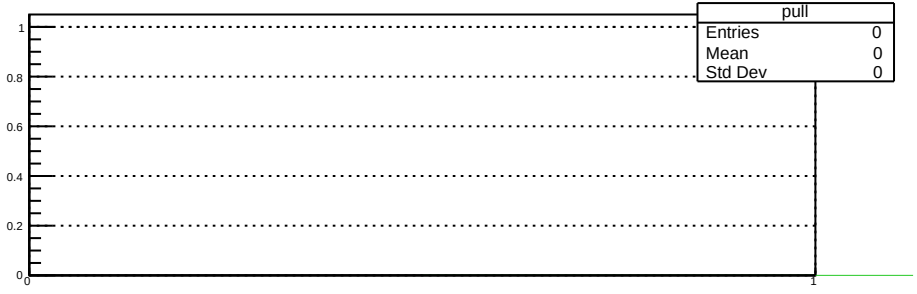
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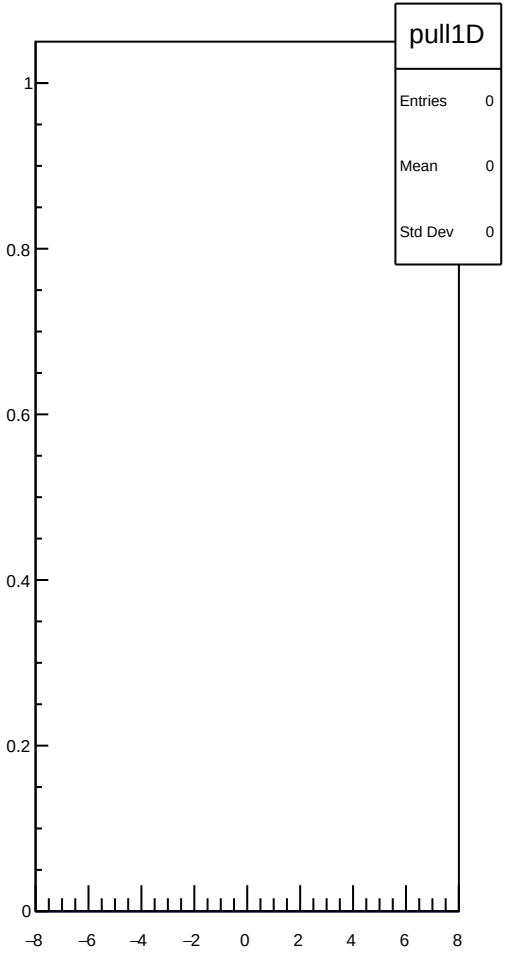
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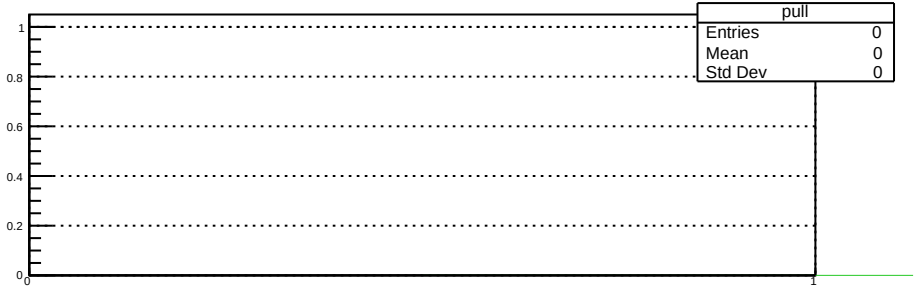
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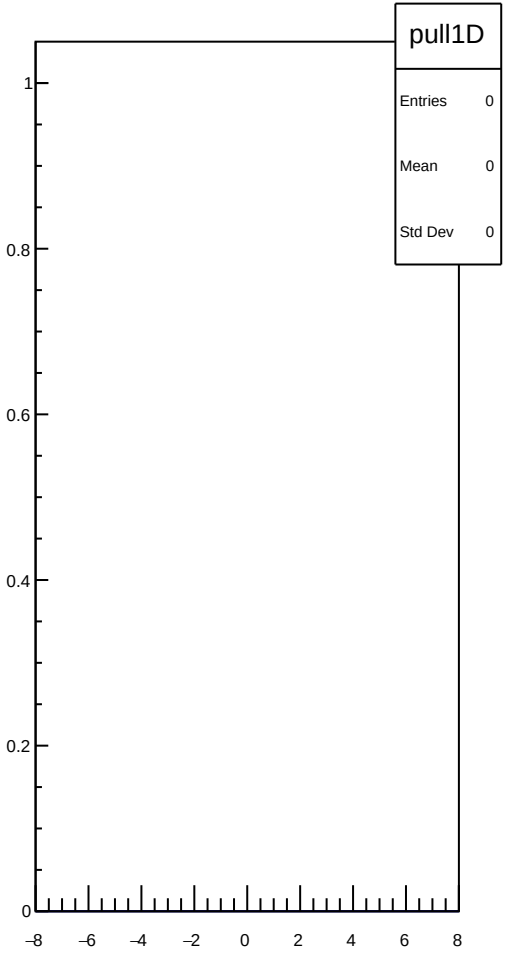
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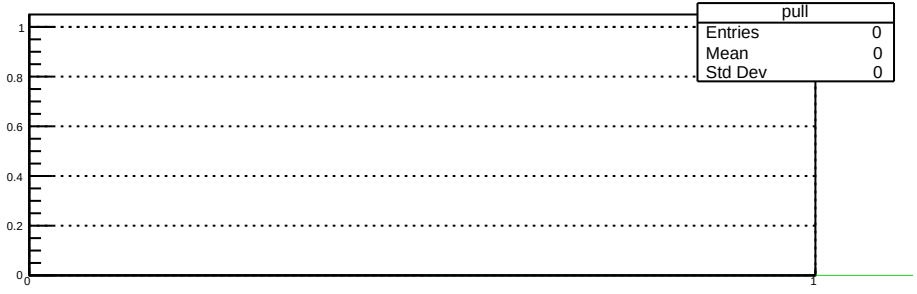
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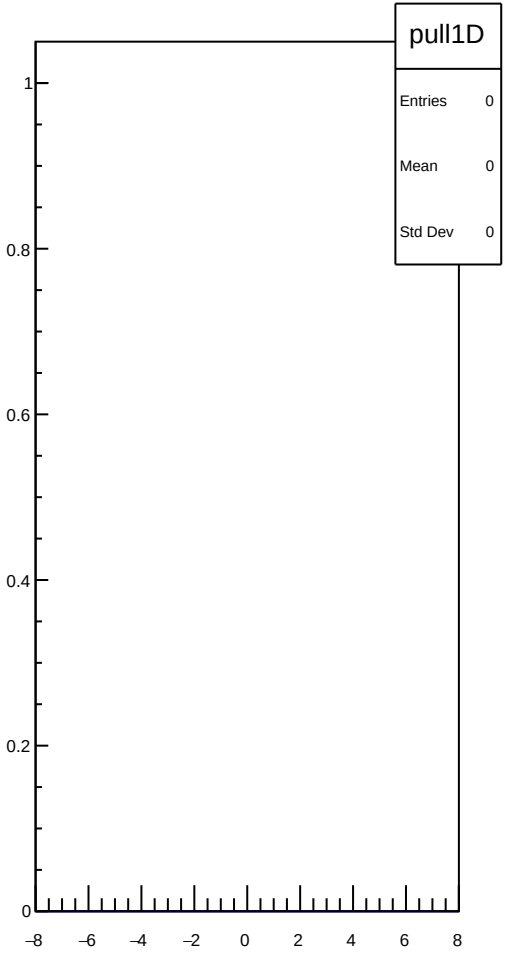
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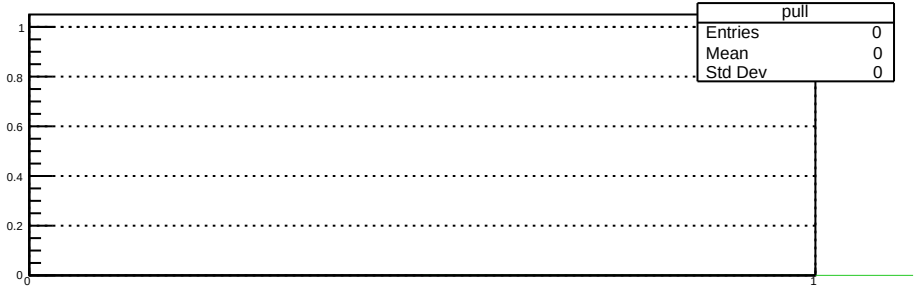
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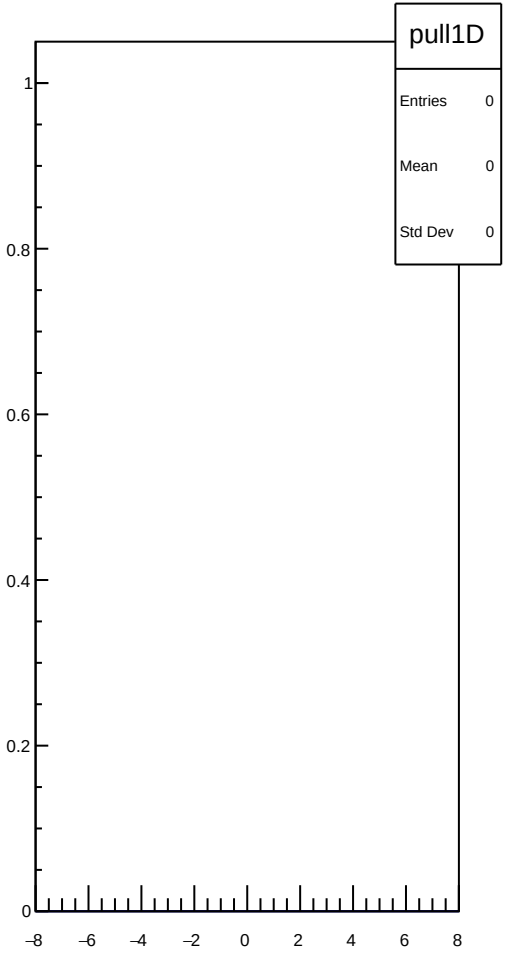
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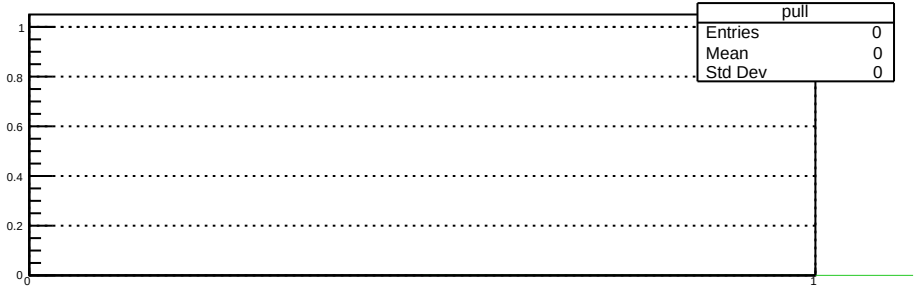
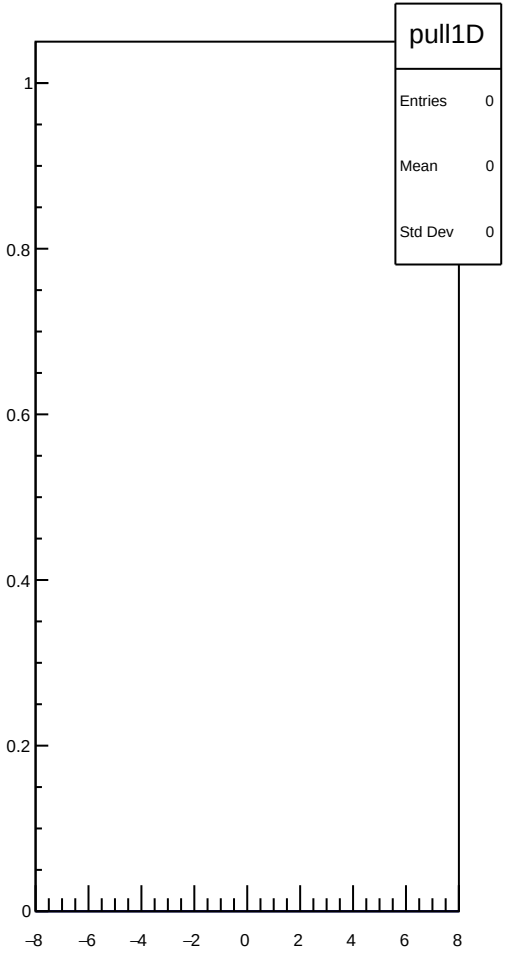
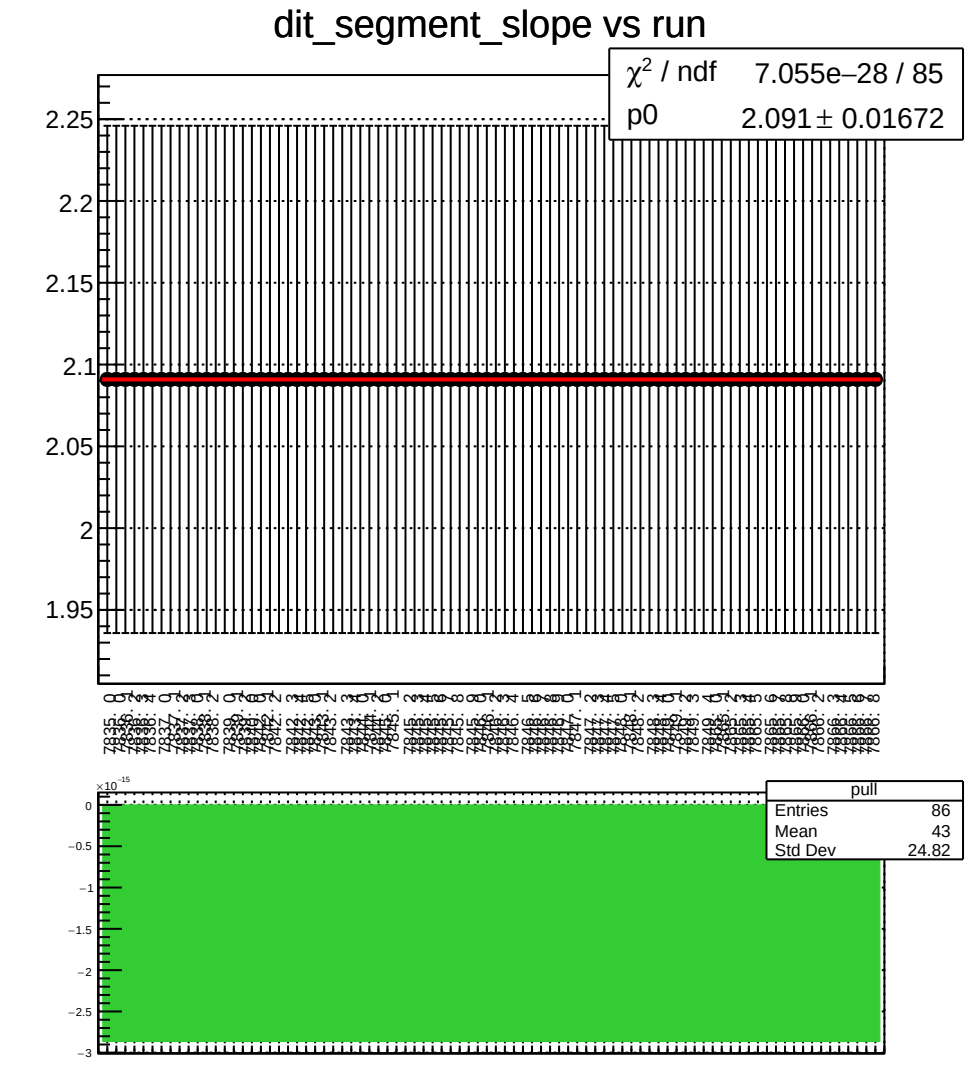
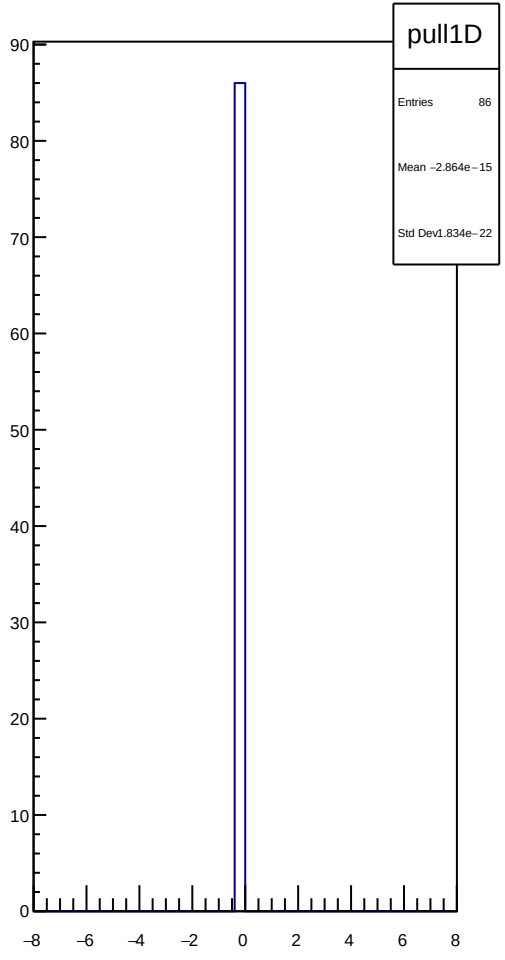
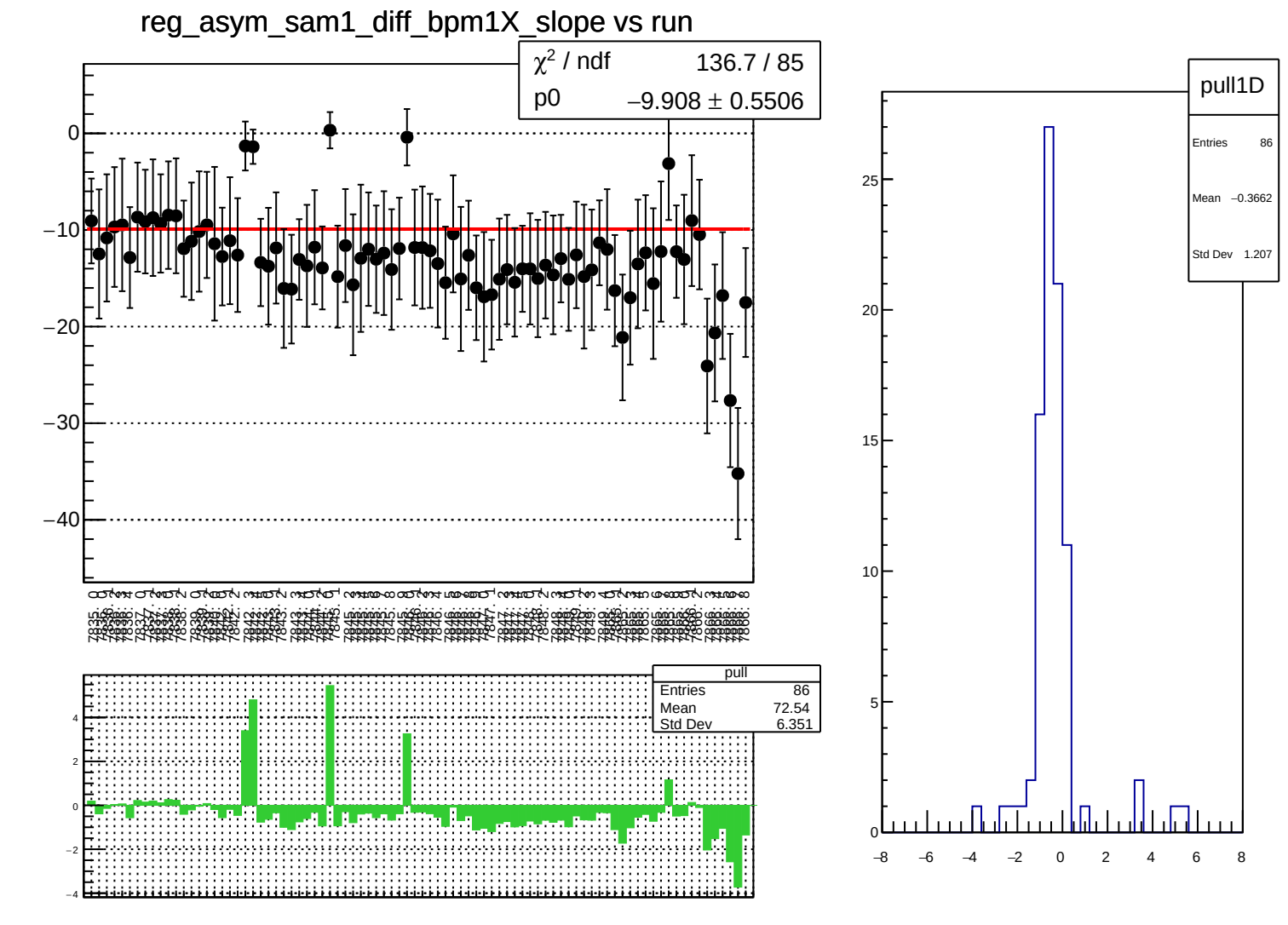
6
8

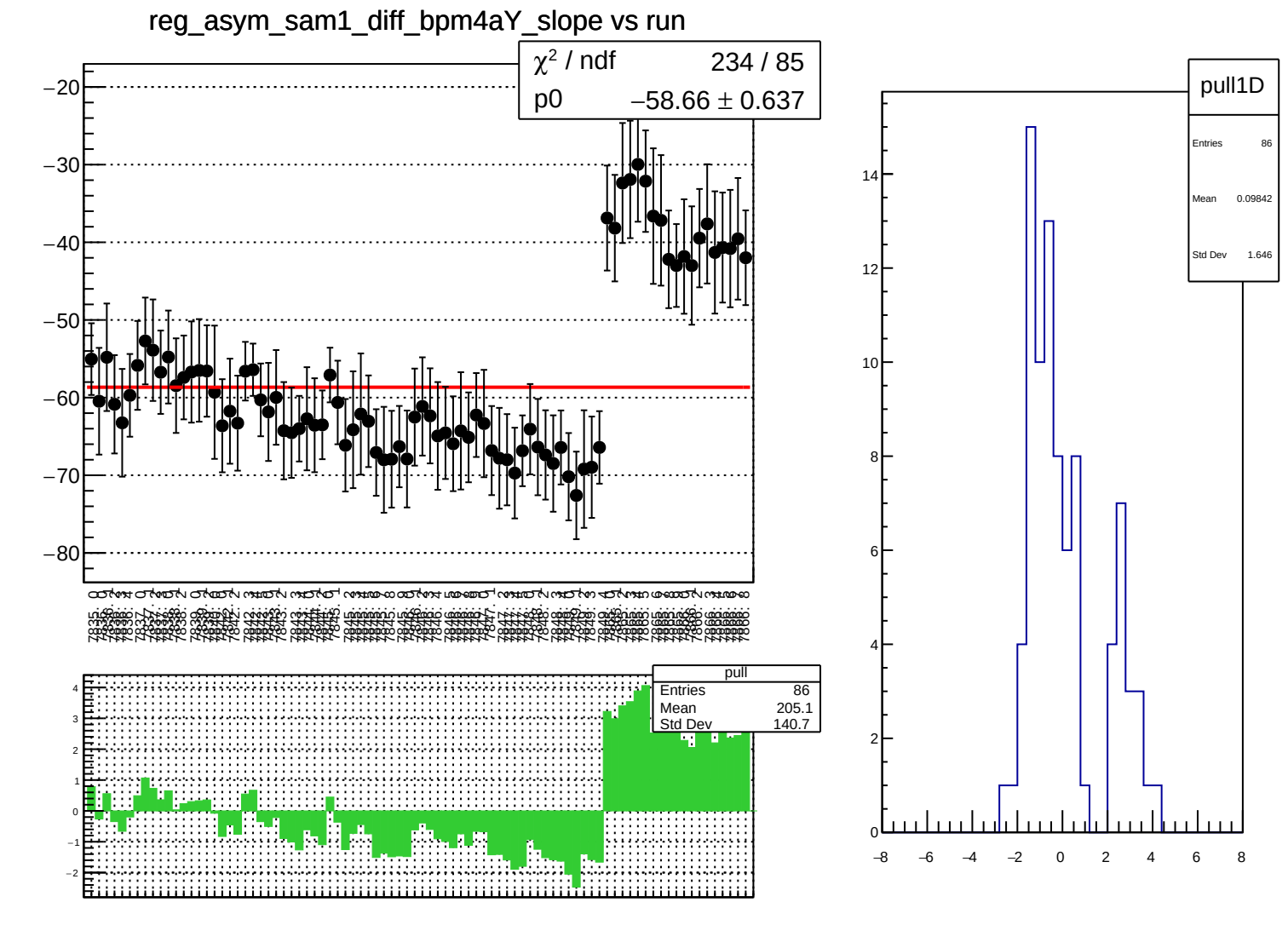

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

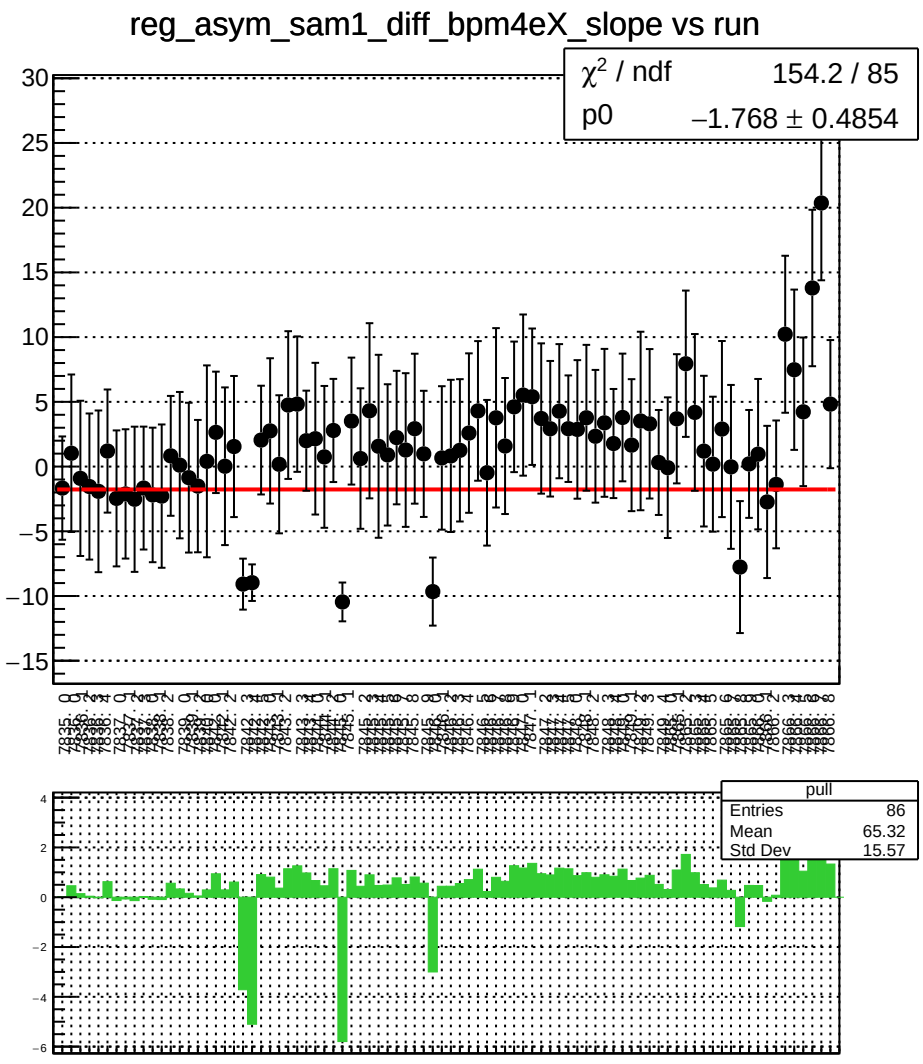

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

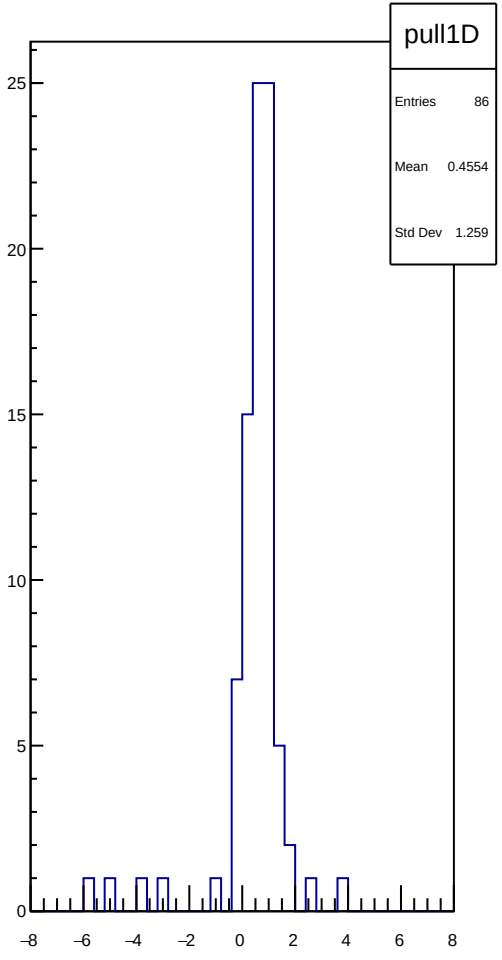

dit_segment_slope vs run
χ² / ndf 7.055e−28 / 85
p0 2.091 ± 0.01672
2.25
2.2
2.15
2.1
2.05
2
1.95
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3

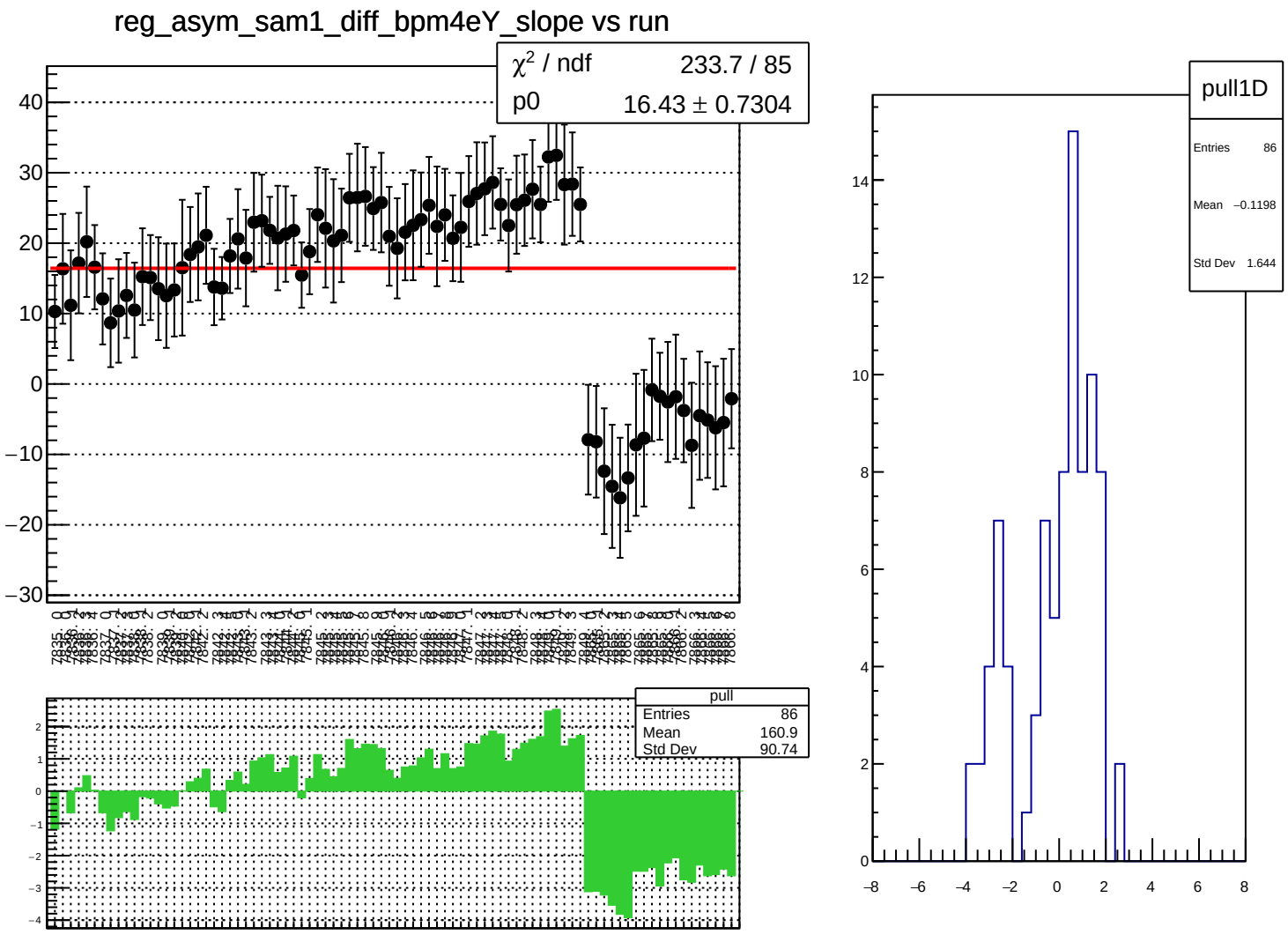

pull1D
Entries 86
Mean −2.864e−15
Std Dev1.834e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

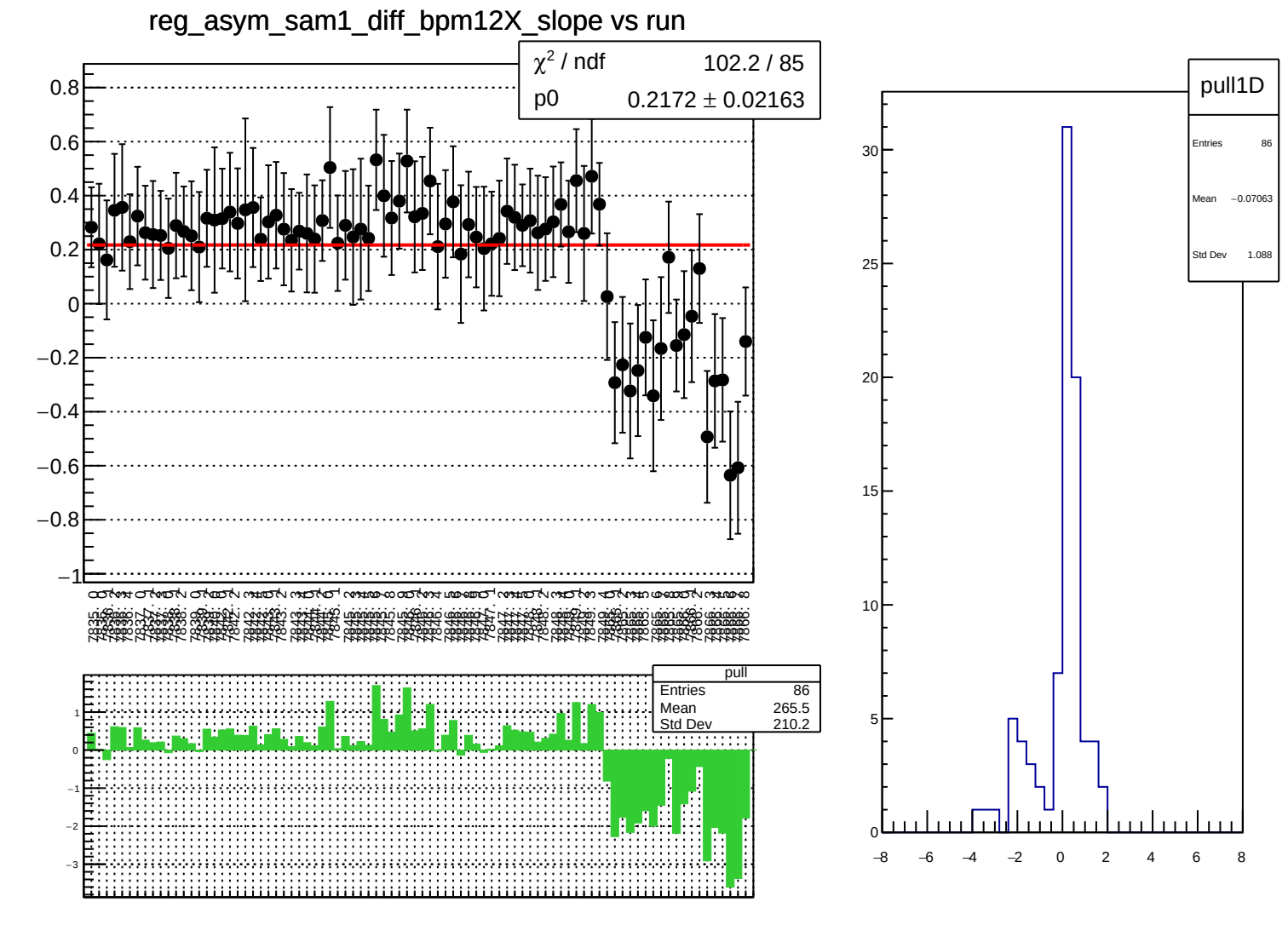

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 136.7 / 85
p0 −9.908 ± 0.5506
pull
Entries 86
Mean 72.54
Std Dev 6.351
pull1D
Entries 86
Mean −0.3662
Std Dev 1.207

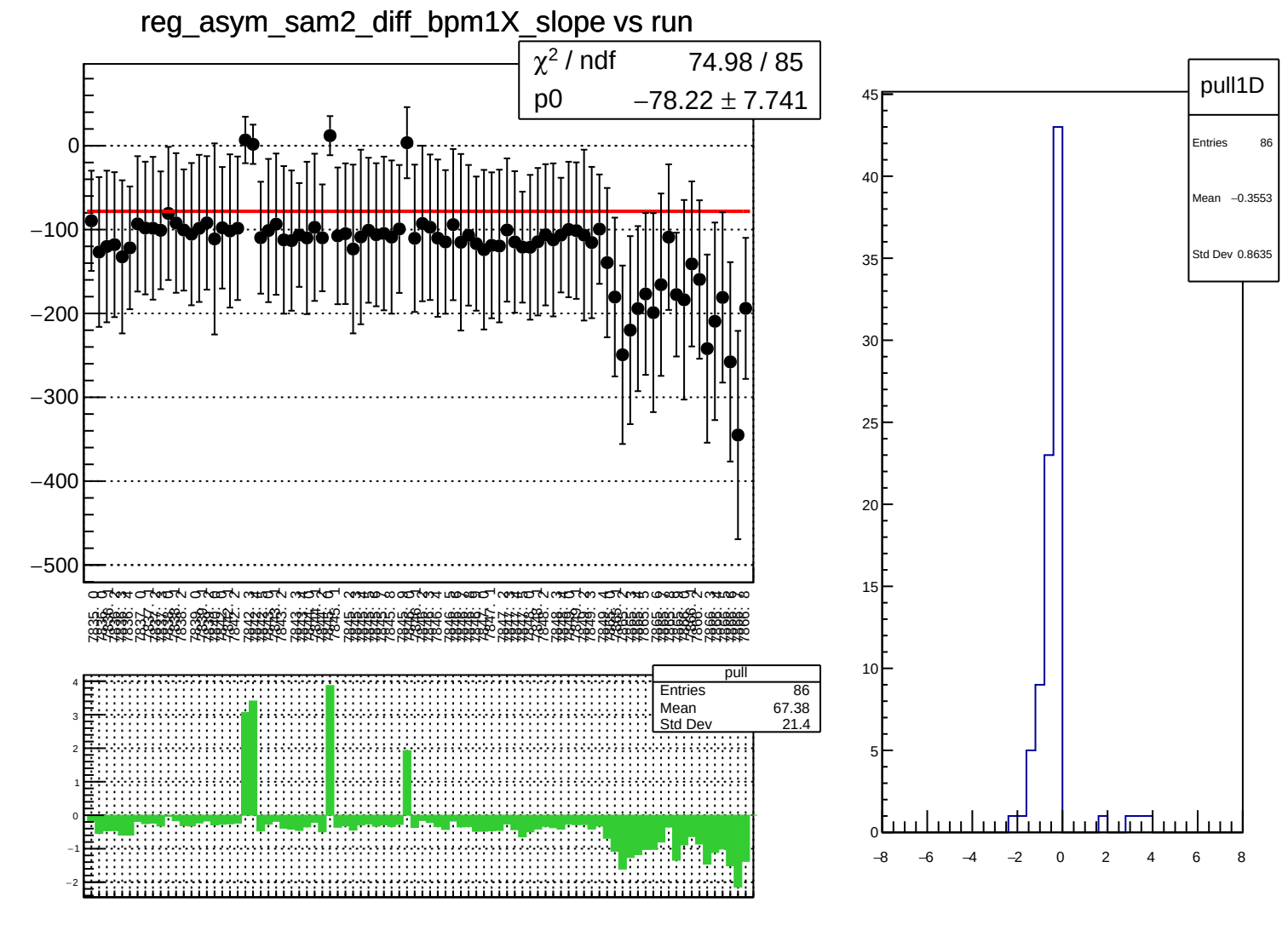

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 234 / 85
p0 −58.66 ± 0.637
pull
Entries 86
Mean 205.1
Std Dev 140.7
pull1D
Entries 86
Mean 0.09842
Std Dev 1.646

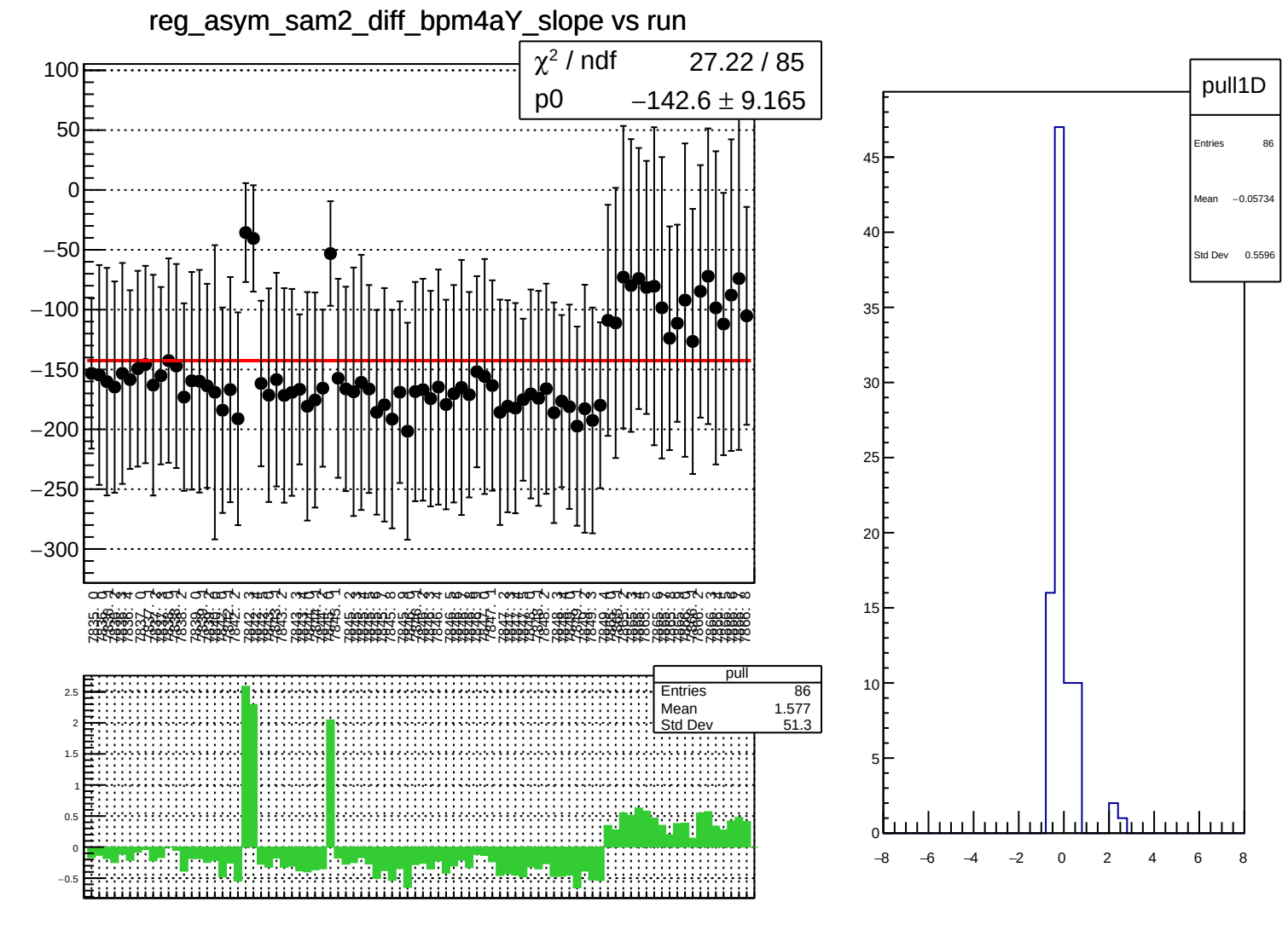

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 154.2 / 85
p0 −1.768 ± 0.4854
pull
Entries 86
Mean 65.32
Std Dev 15.57

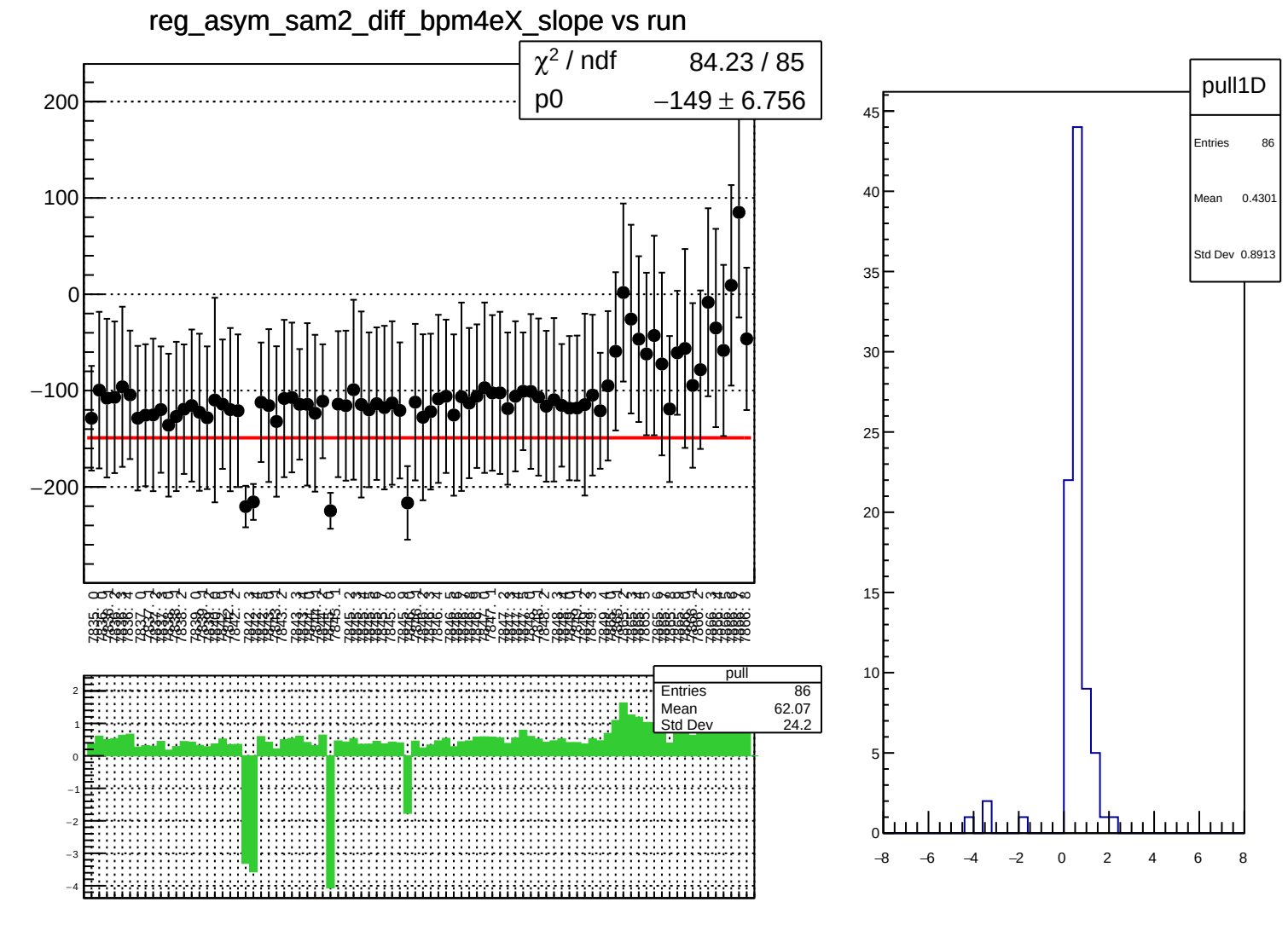

pull1D
Entries 86
Mean 0.4554
Std Dev 1.259

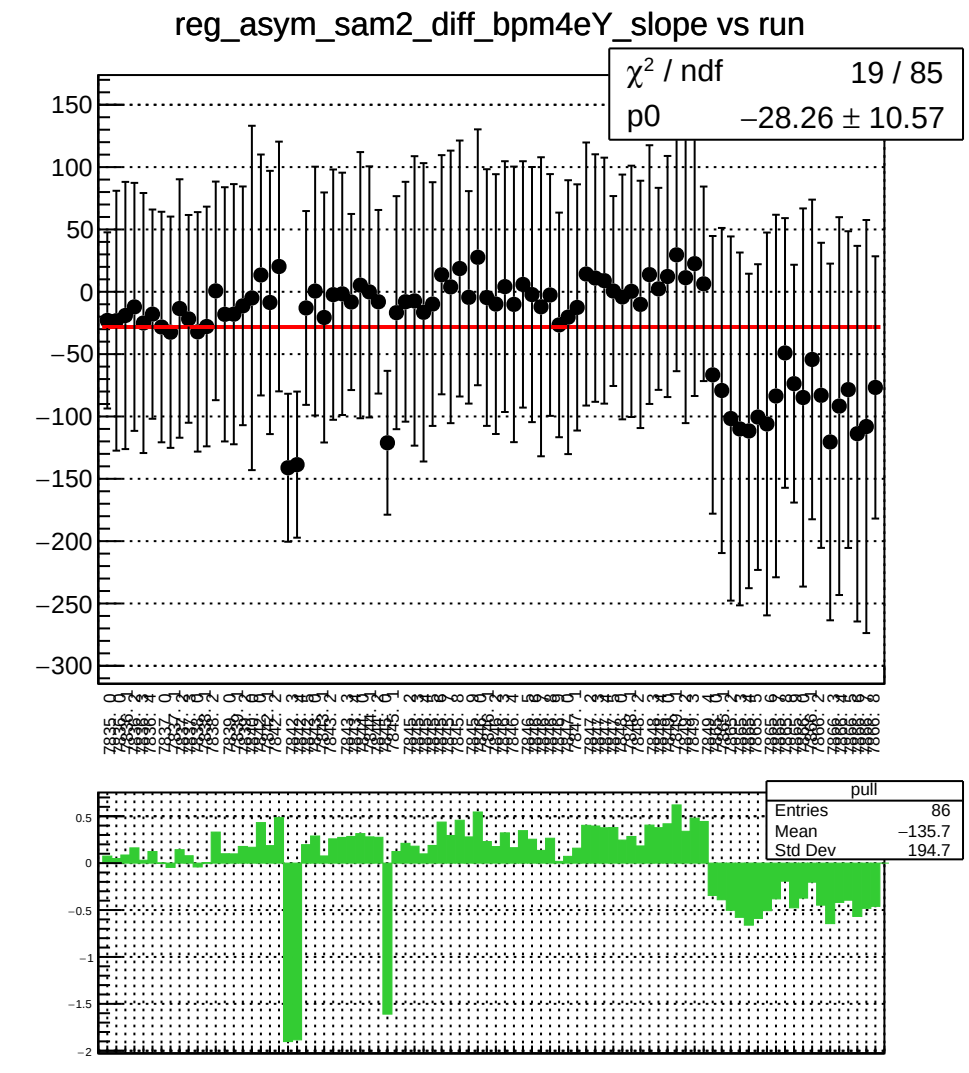

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 233.7 / 85
p0 16.43 ± 0.7304
pull
Entries 86
Mean 160.9
Std Dev 90.74
pull1D
Entries 86
Mean −0.1198
Std Dev 1.644

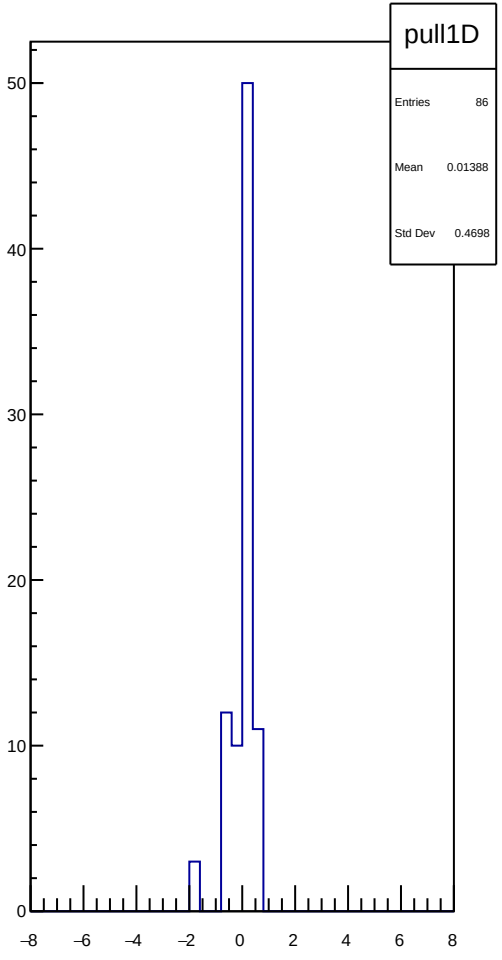

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 102.2 / 85
p0 0.2172 ± 0.02163
pull
Entries 86
Mean 265.5
Std Dev 210.2
pull1D
Entries 86
Mean −0.07063
Std Dev 1.088

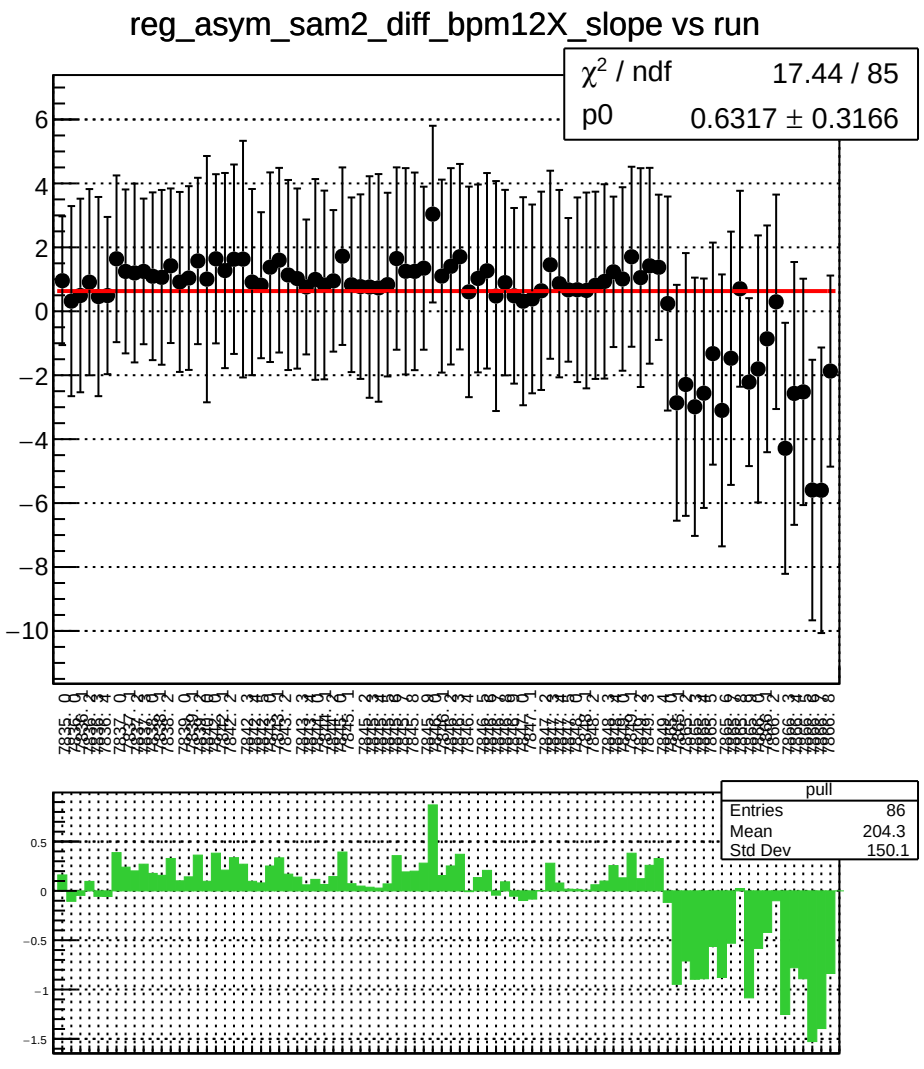

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 74.98 / 85
p0 −78.22 ± 7.741
pull
Entries 86
Mean 67.38
Std Dev 21.4
pull1D
Entries 86
Mean −0.3553
Std Dev 0.8635

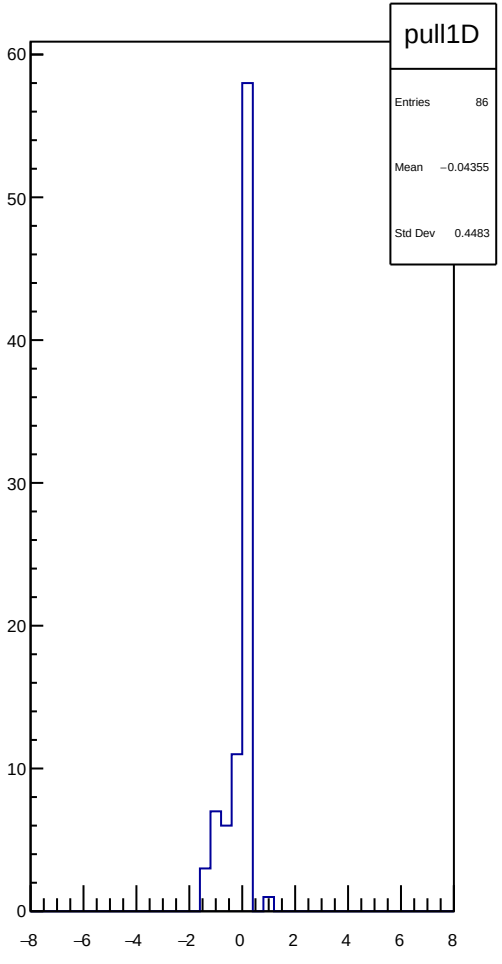

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 27.22 / 85
p0 −142.6 ± 9.165
pull
Entries 86
Mean 1.577
Std Dev 51.3
pull1D
Entries 86
Mean −0.05734
Std Dev 0.5596

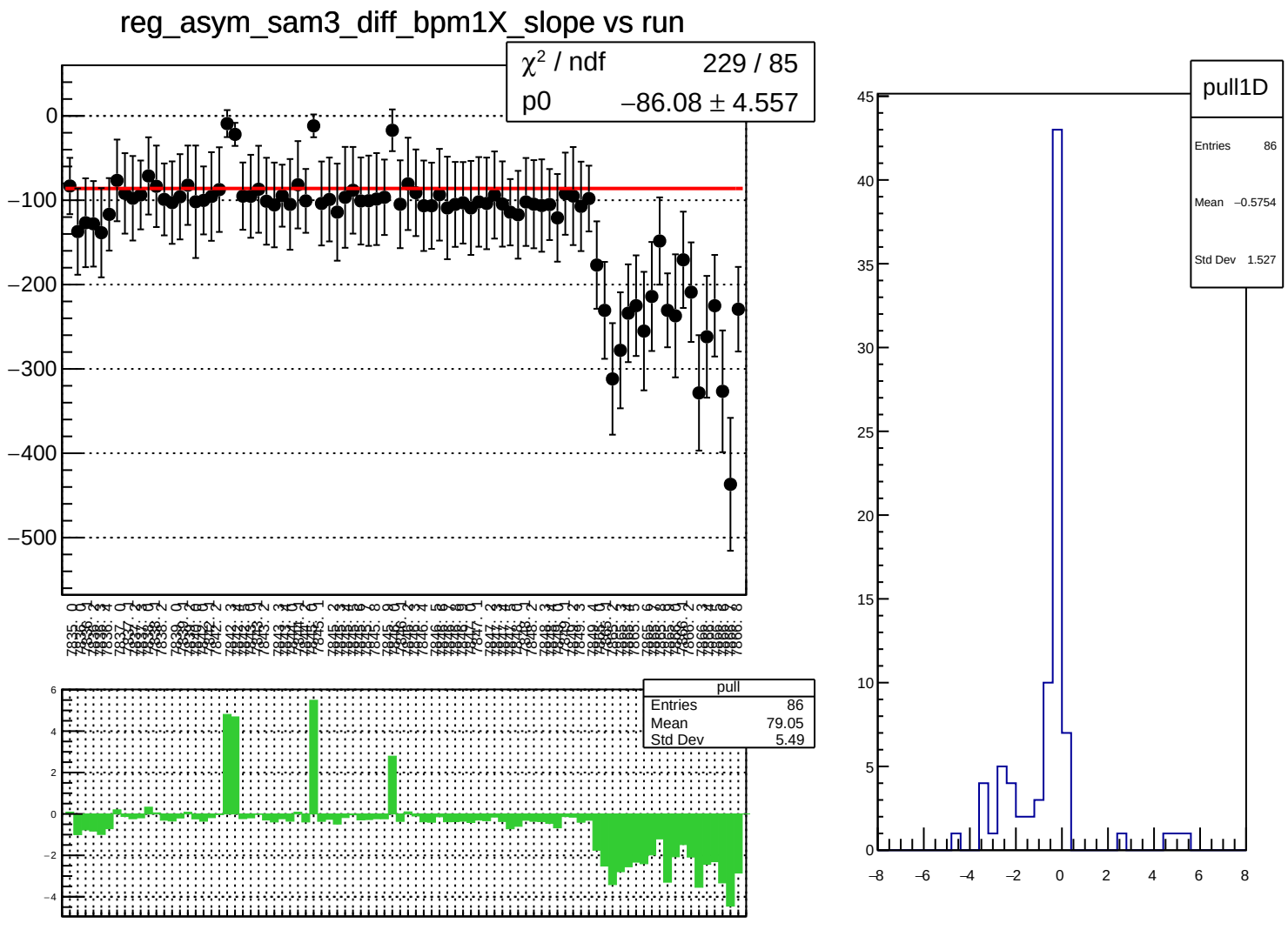

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 84.23 / 85
p0 −149 ± 6.756
200
100
0
−100
−200
pull
Entries 86
Mean 62.07
Std Dev 24.2
2
1
0
−1
−2
−3
−4
pull1D
Entries 86
Mean 0.4301
Std Dev 0.8913
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

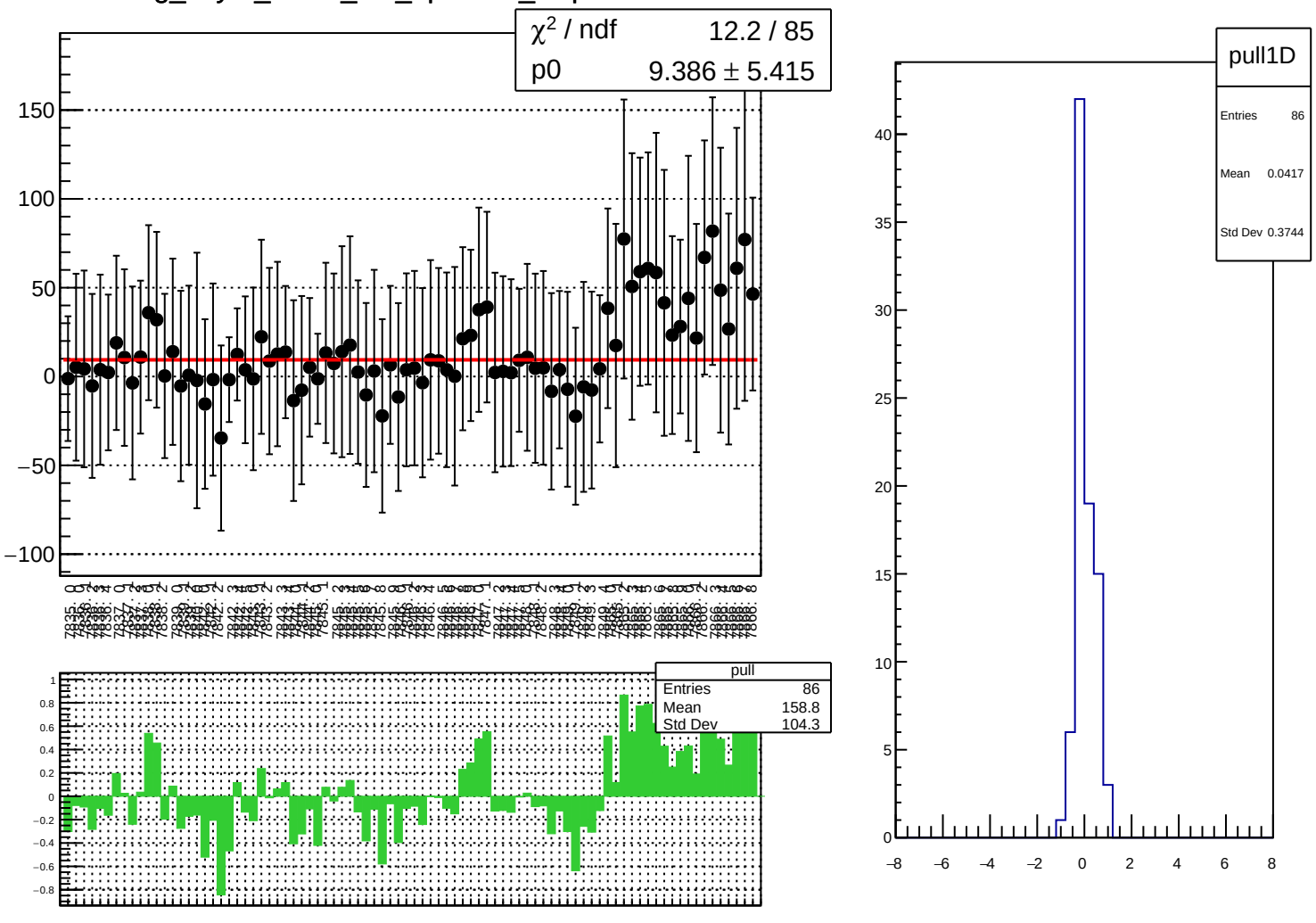

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 19 / 85
p0 −28.26 ± 10.57
pull
Entries 86
Mean −135.7
Std Dev 194.7

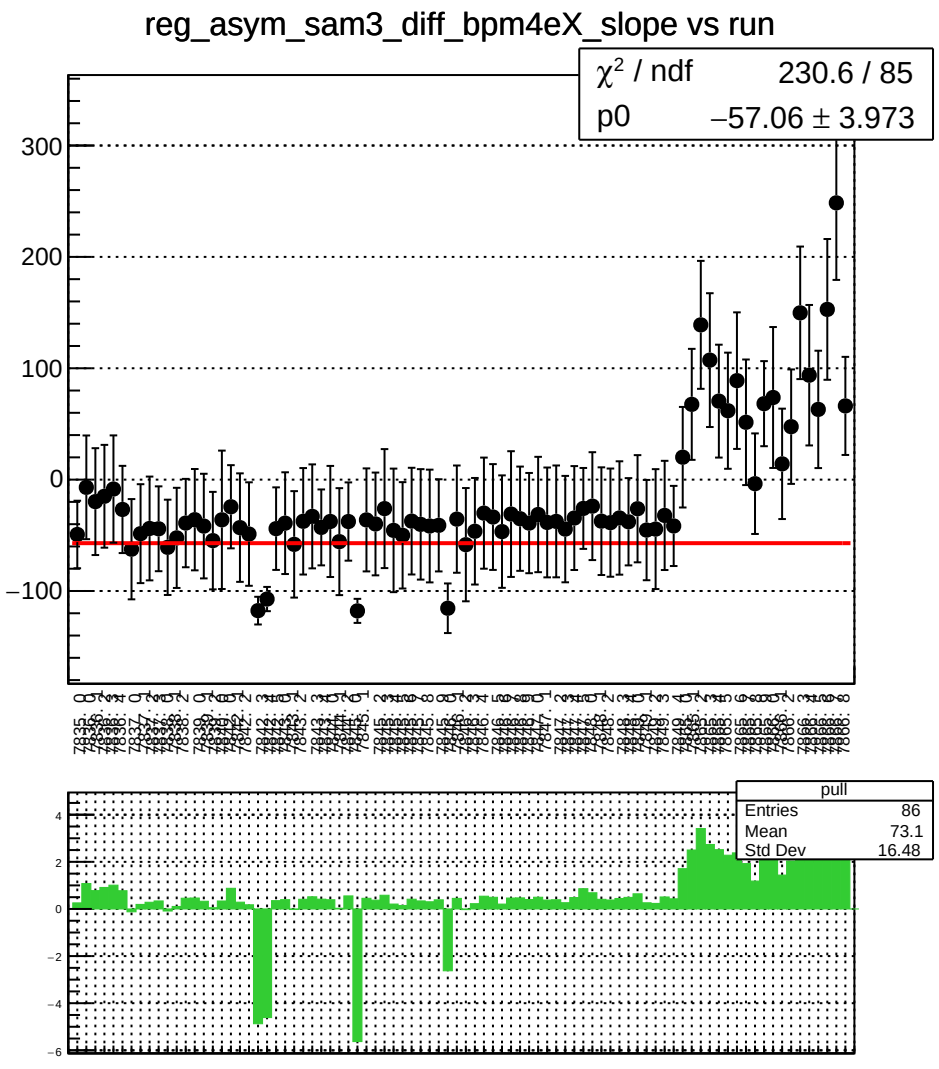

pull1D
Entries 86
Mean 0.01388
Std Dev 0.4698

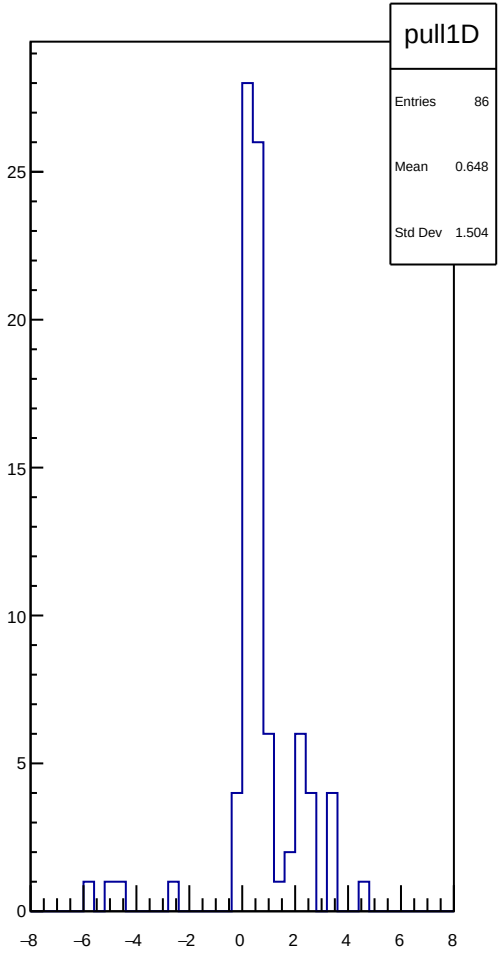

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 17.44 / 85
p0 0.6317 ± 0.3166
pull
Entries 86
Mean 204.3
Std Dev 150.1

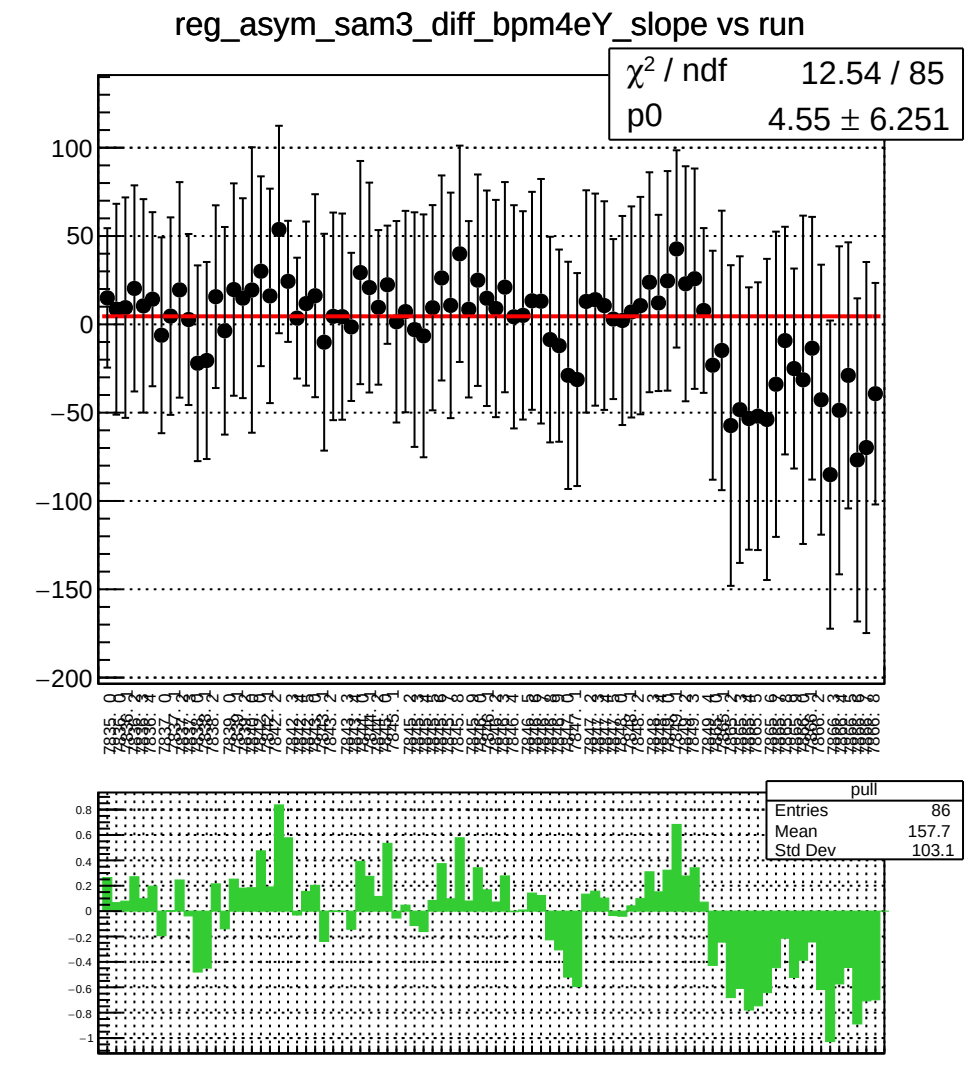

pull1D
Entries 86
Mean −0.04355
Std Dev 0.4483

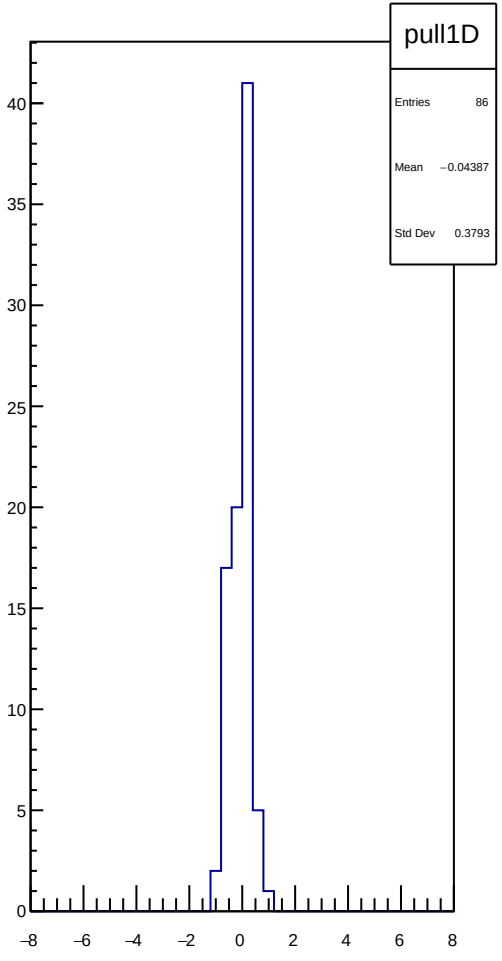

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 229 / 85
p0 −86.08 ± 4.557
0
−100
−200
−300
−400
−500
pull
Entries 86
Mean 79.05
Std Dev 5.49
6
4
2
0
−2
−4
pull1D
Entries 86
Mean −0.5754
Std Dev 1.527
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

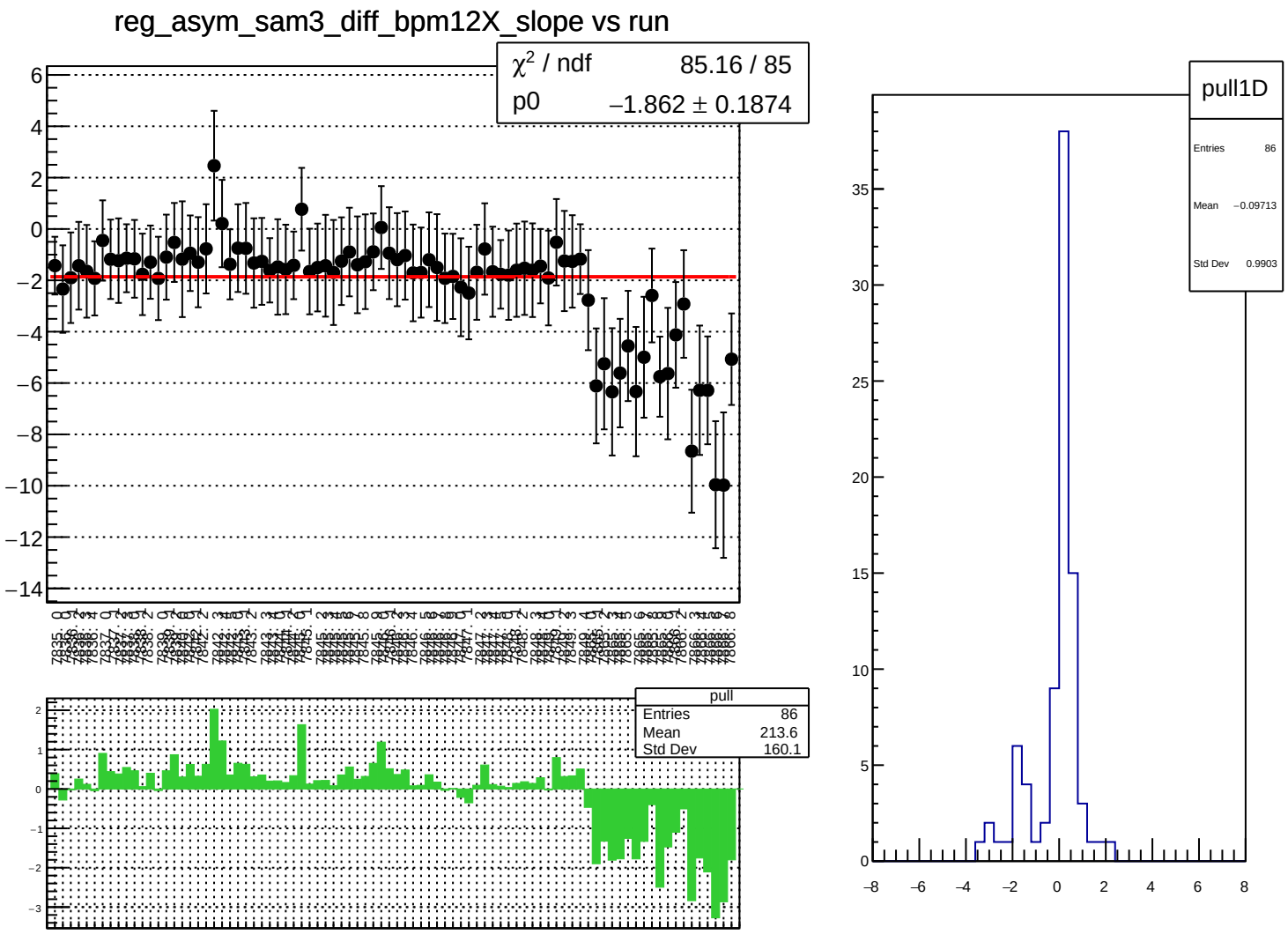

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 12.2 / 85
p0 9.386 ± 5.415
150
100
50
0
−50
−100
pull
Entries 86
Mean 158.8
Std Dev 104.3
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 86
Mean 0.0417
Std Dev 0.3744
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

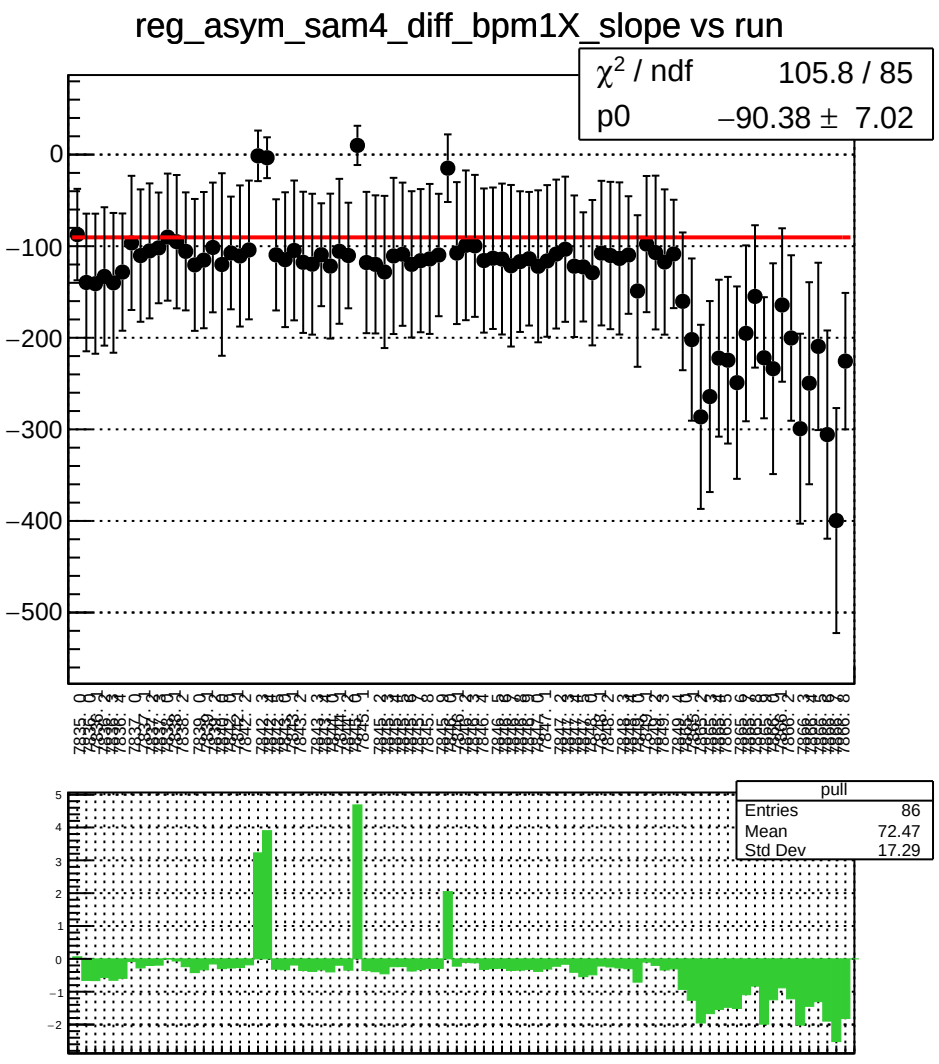

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 230.6 / 85
p0 −57.06 ± 3.973
300
200
100
0
−100
pull
Entries 86
Mean 73.1
Std Dev 16.48
4
2
0
−2
−4
−6

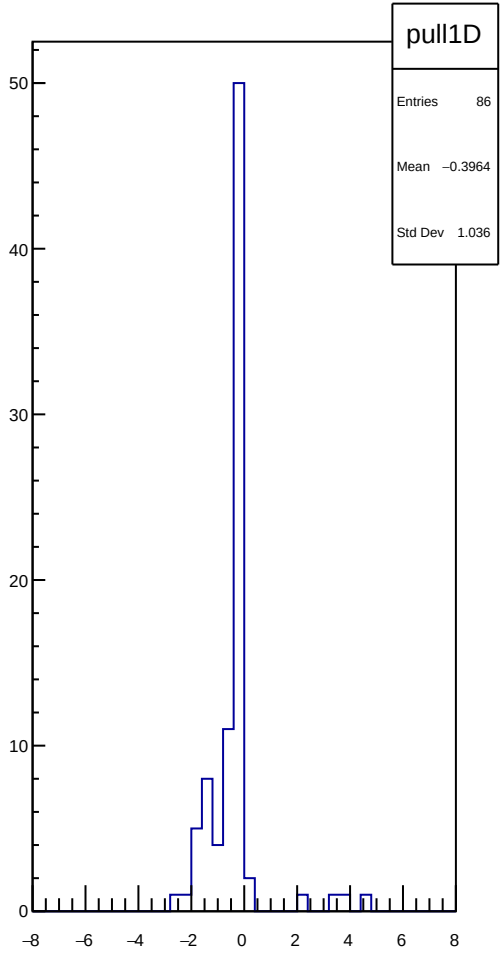

pull1D
Entries 86
Mean 0.648
Std Dev 1.504
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

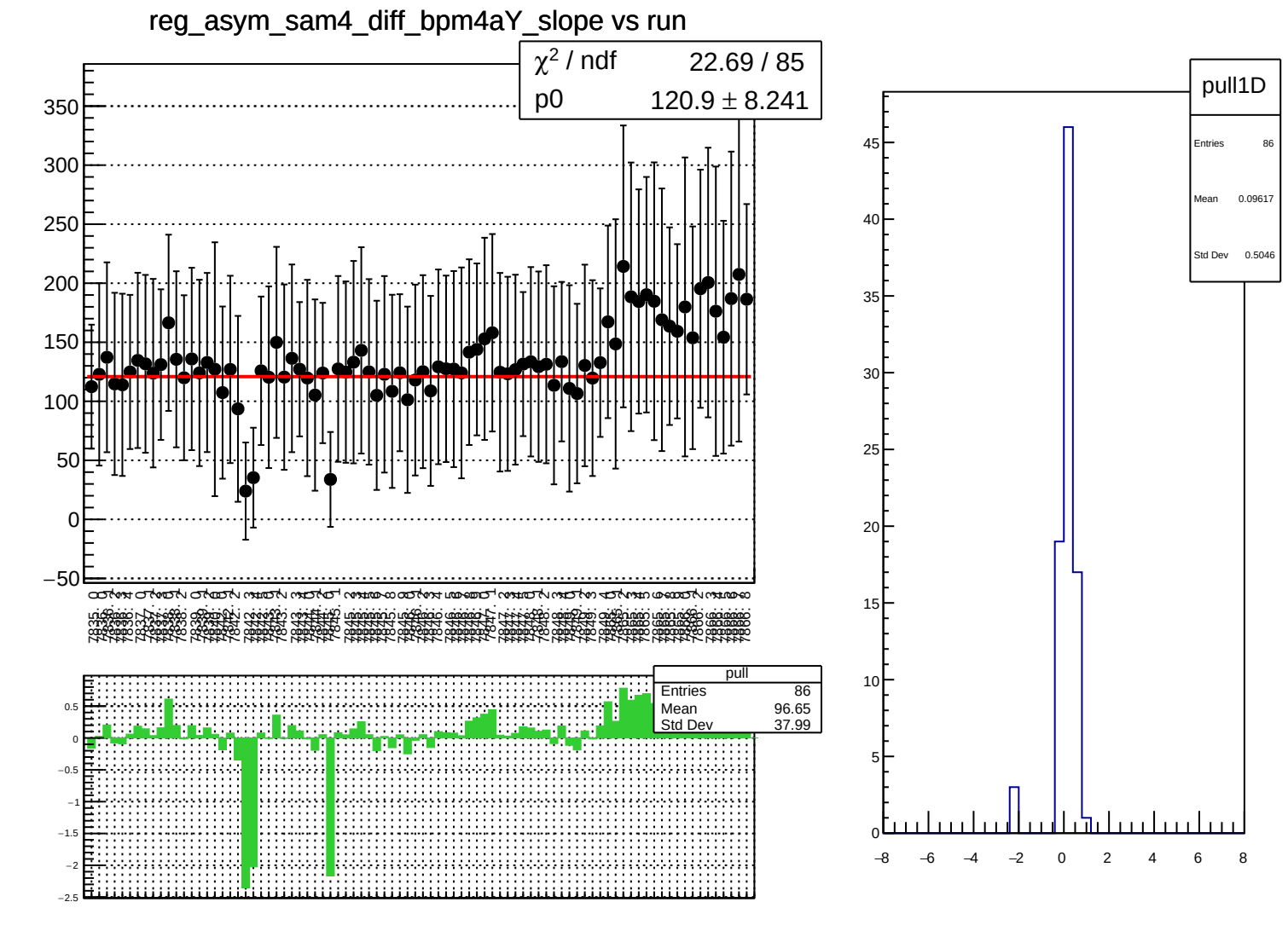

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 12.54 / 85
p0 4.55 ± 6.251
pull
Entries 86
Mean 157.7
Std Dev 103.1

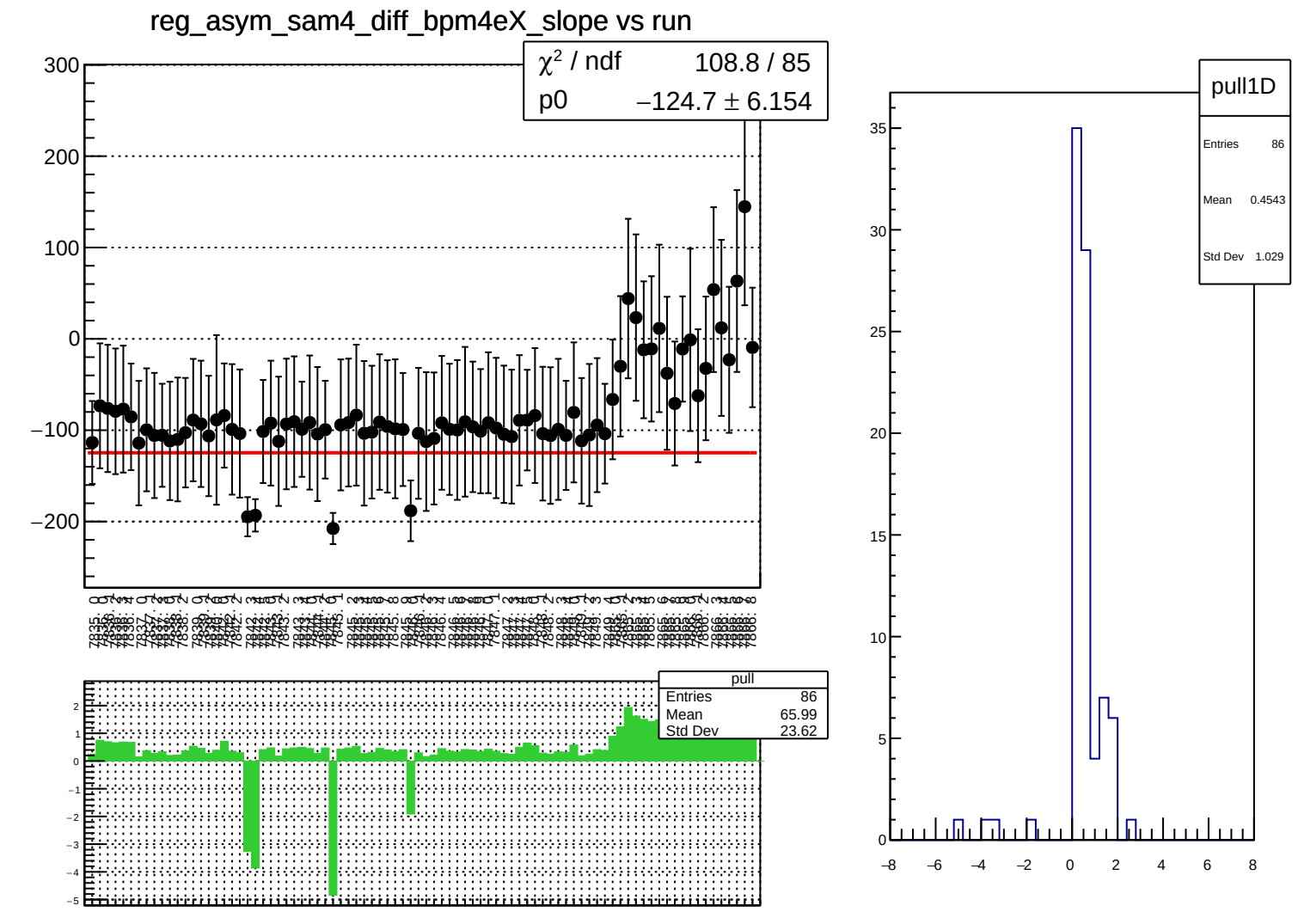

pull1D
Entries 86
Mean −0.04387
Std Dev 0.3793

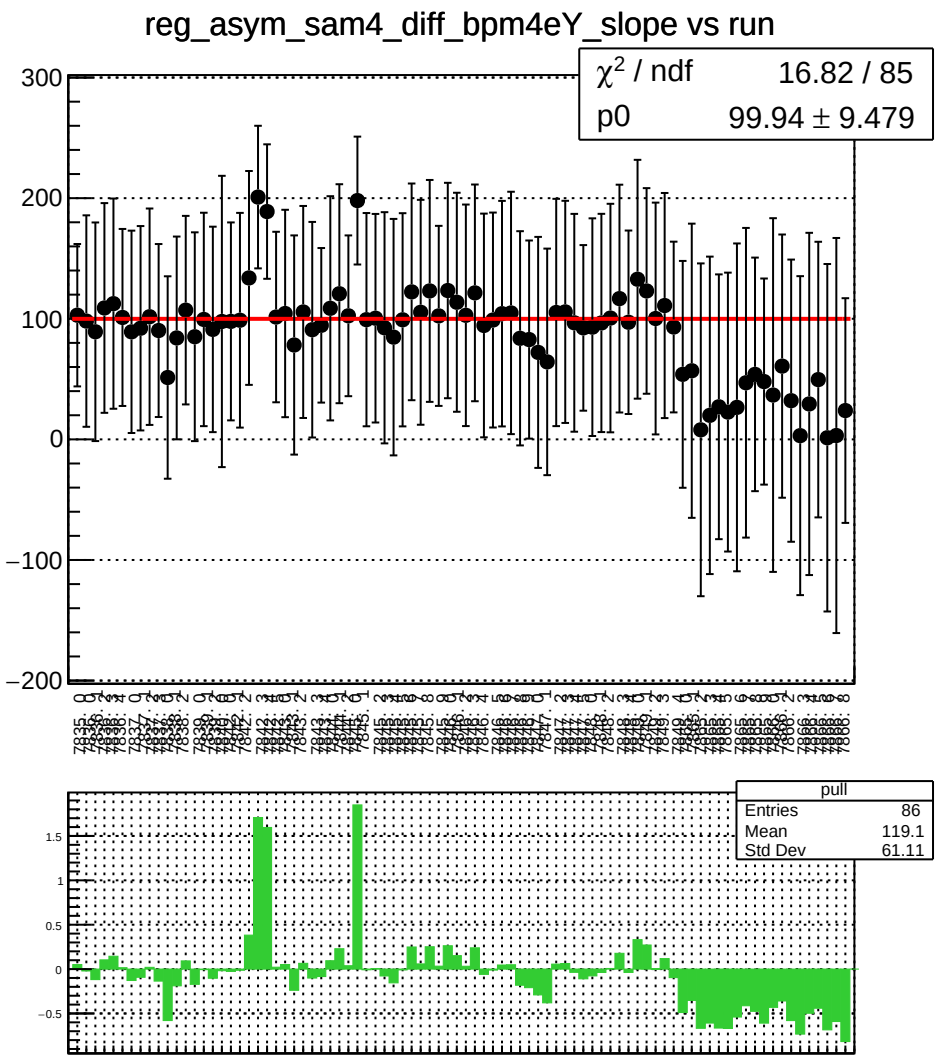

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 85.16 / 85
p0 −1.862 ± 0.1874
pull
Entries 86
Mean 213.6
Std Dev 160.1
pull1D
Entries 86
Mean −0.09713
Std Dev 0.9903

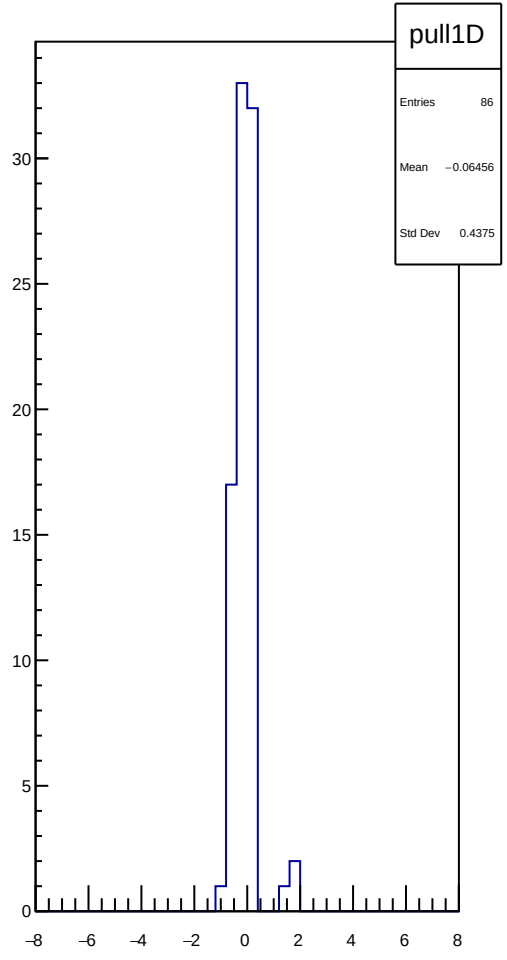

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 105.8 / 85
p0 −90.38 ± 7.02
0
−100
−200
−300
−400
−500
pull
Entries 86
Mean 72.47
Std Dev 17.29
5
4
3
2
1
0
−1
−2

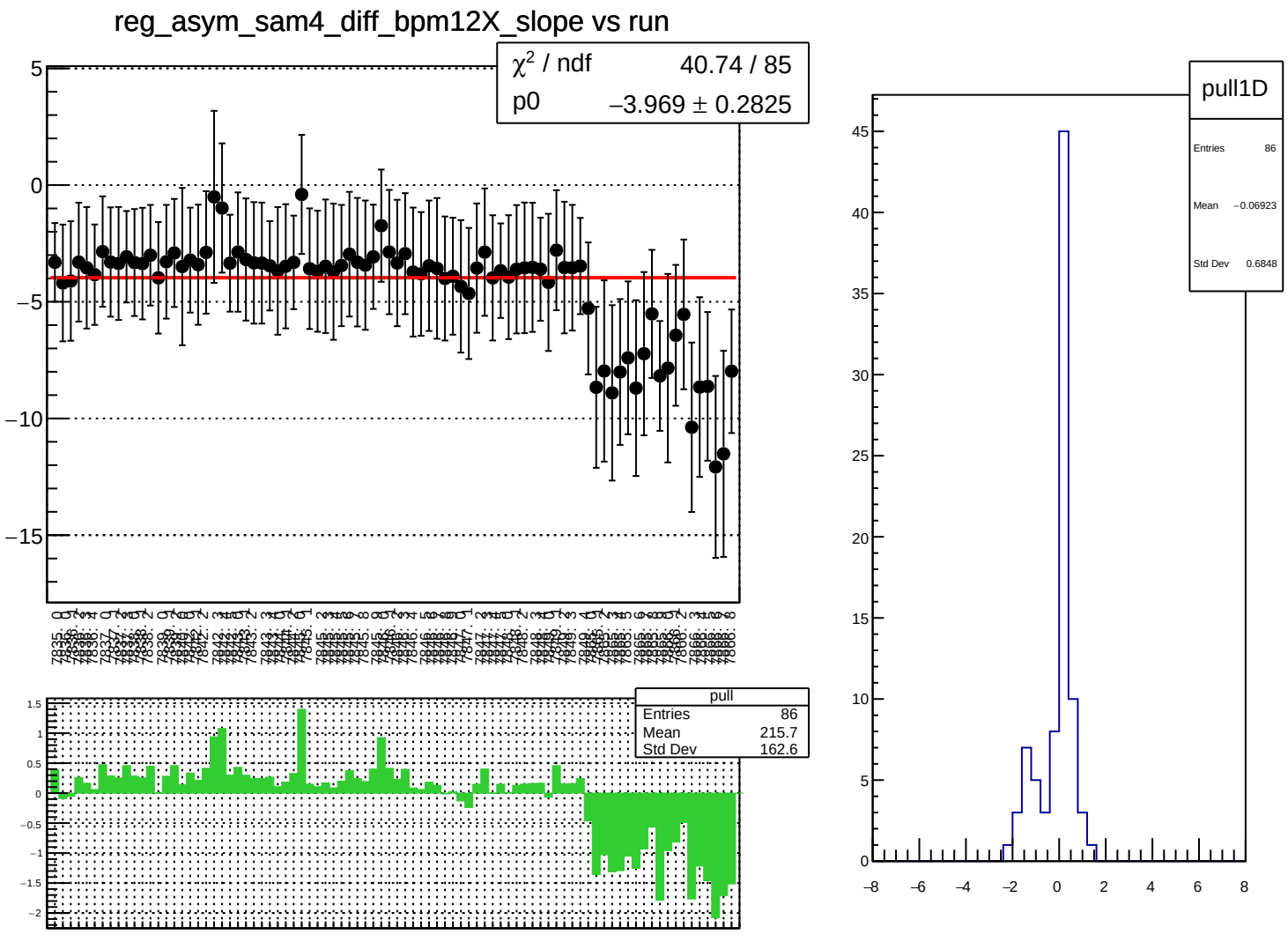

pull1D
Entries 86
Mean −0.3964
Std Dev 1.036
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

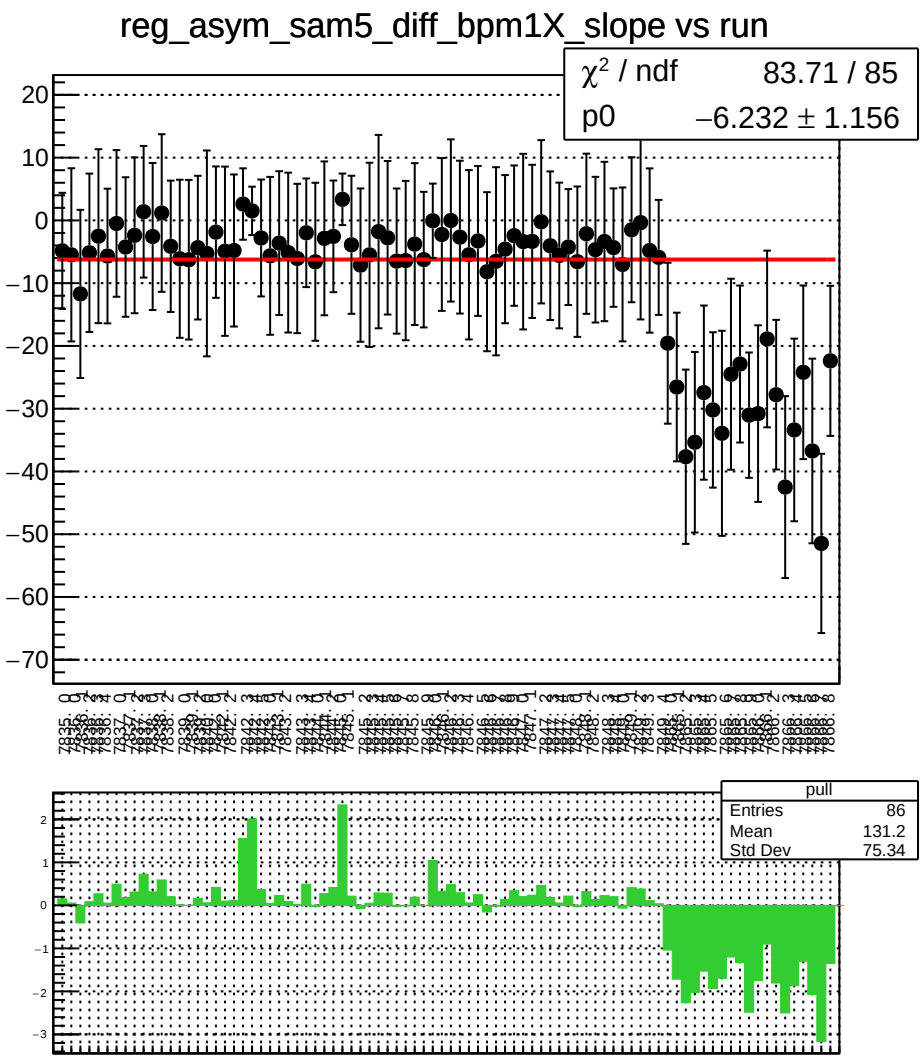

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 22.69 / 85
p0 120.9 ± 8.241
pull
Entries 86
Mean 96.65
Std Dev 37.99
pull1D
Entries 86
Mean 0.09617
Std Dev 0.5046

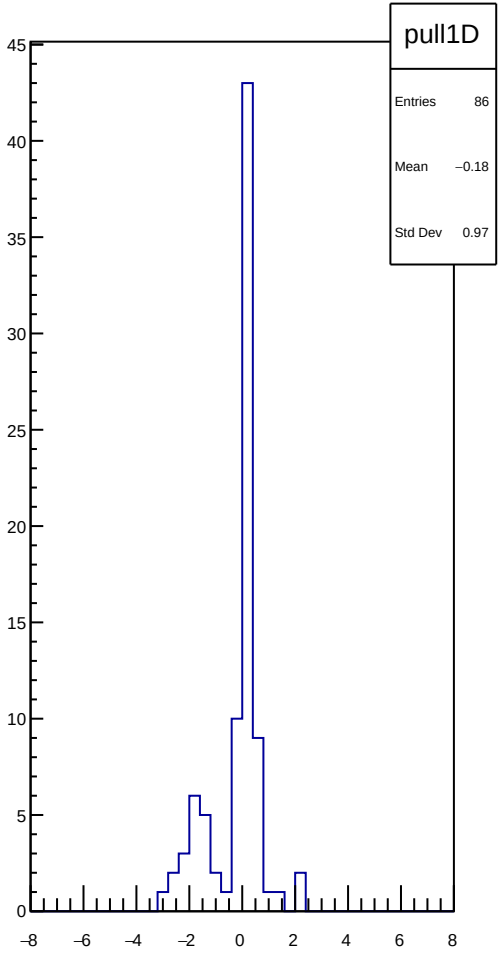

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 108.8 / 85
p0 −124.7 ± 6.154
pull
Entries 86
Mean 65.99
Std Dev 23.62
pull1D
Entries 86
Mean 0.4543
Std Dev 1.029

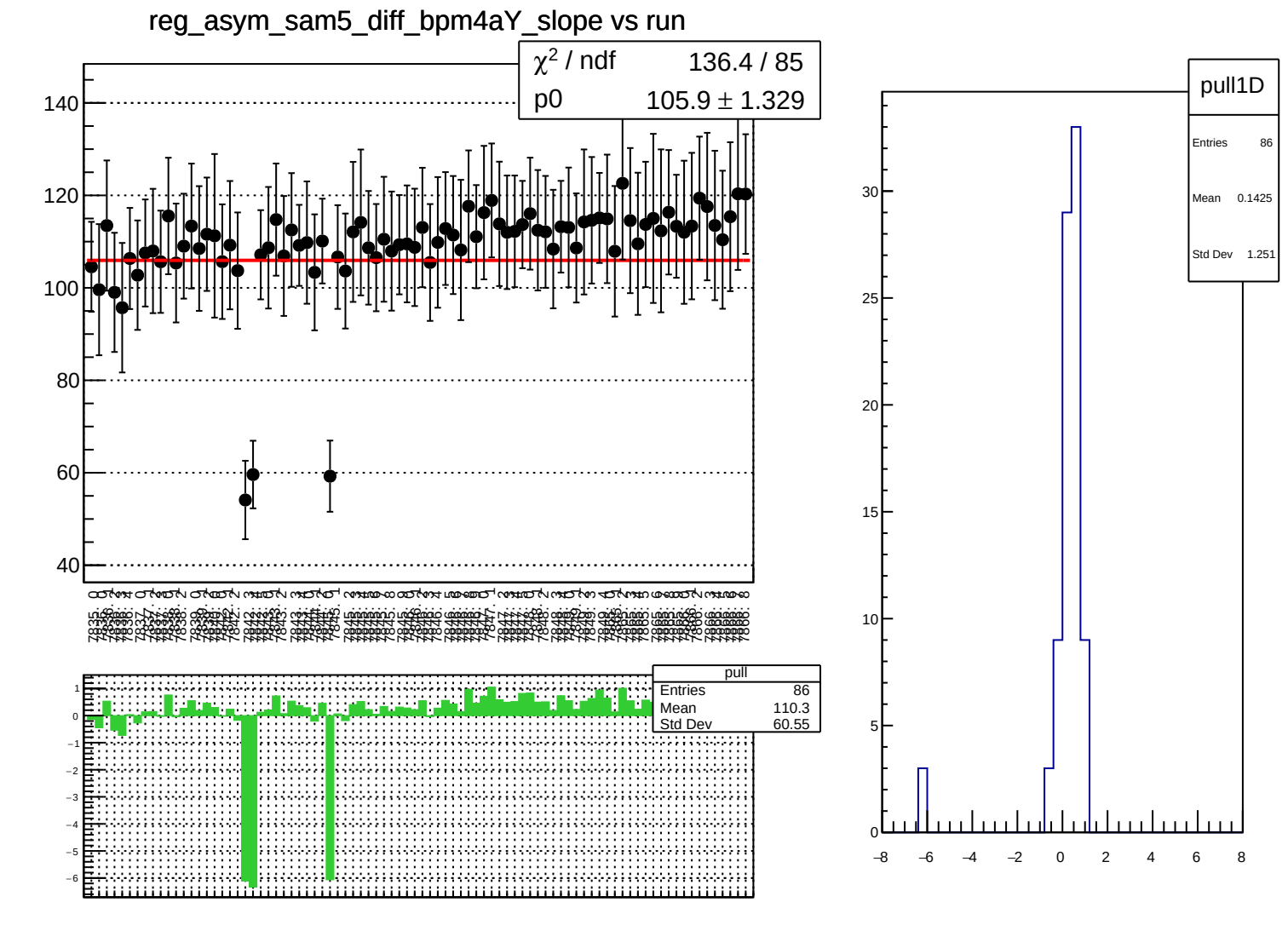

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 16.82 / 85
p0 99.94 ± 9.479
300
200
100
0
−100
−200
pull
Entries 86
Mean 119.1
Std Dev 61.11
1.5
1
0.5
0
−0.5

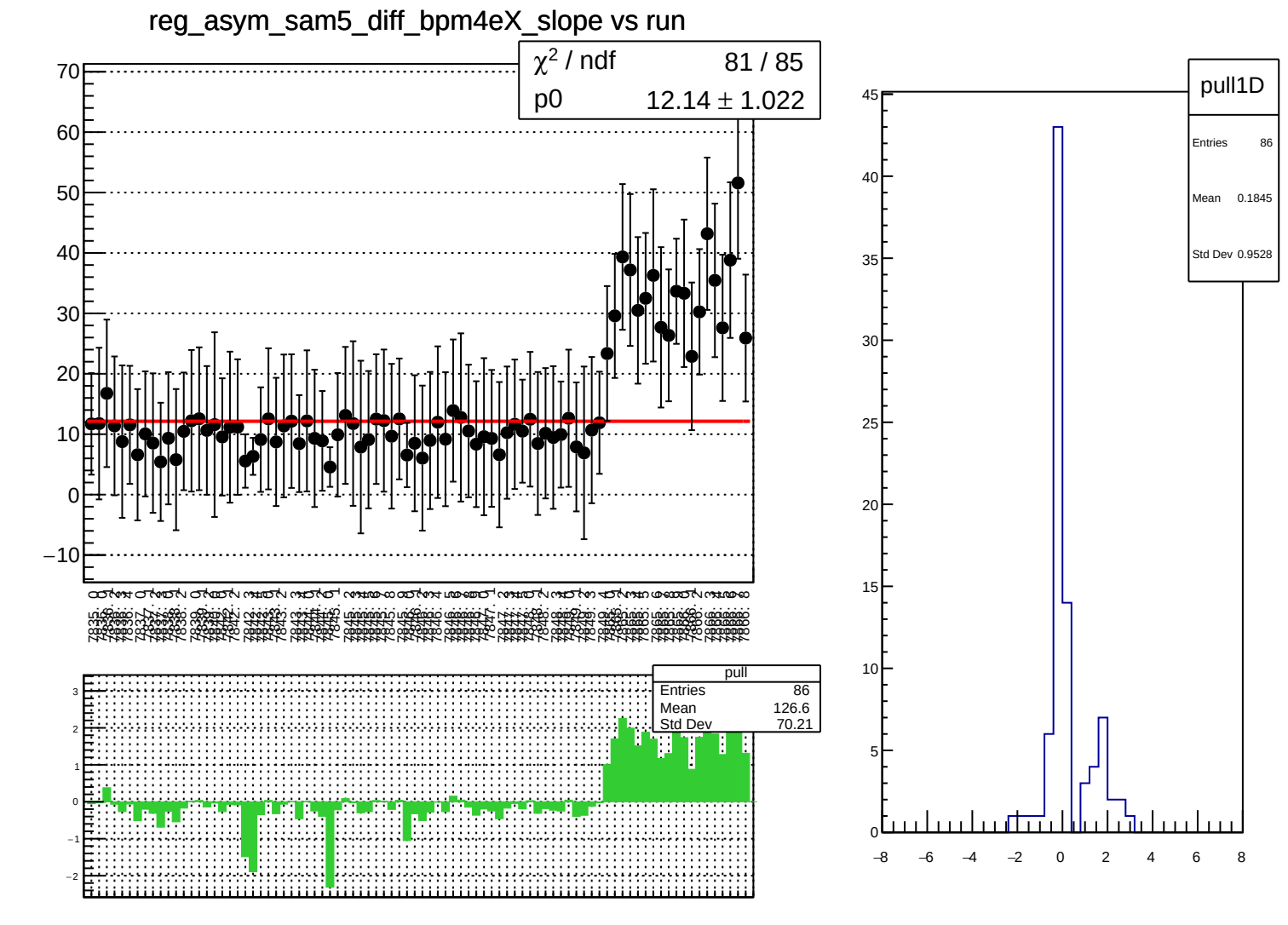

pull1D
Entries 86
Mean −0.06456
Std Dev 0.4375
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

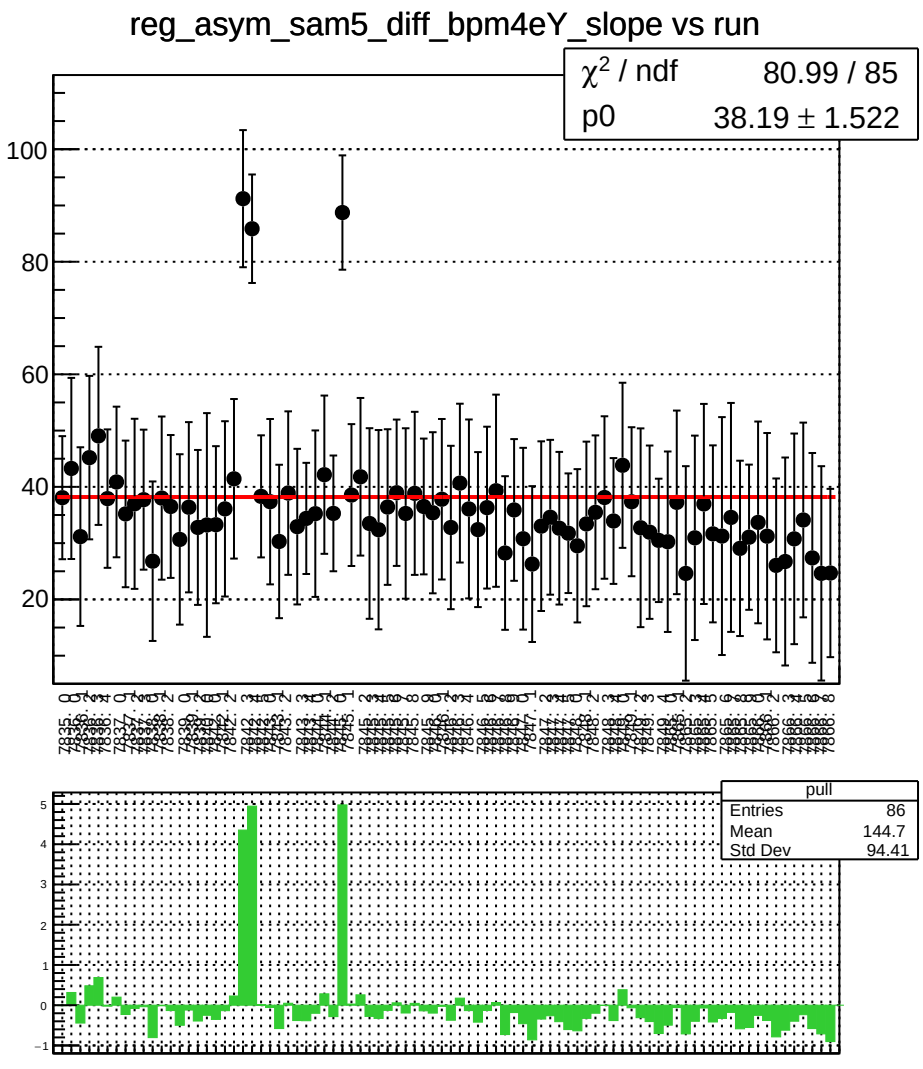

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 40.74 / 85
p0 −3.969 ± 0.2825
pull
Entries 86
Mean 215.7
Std Dev 162.6
pull1D
Entries 86
Mean −0.06923
Std Dev 0.6848

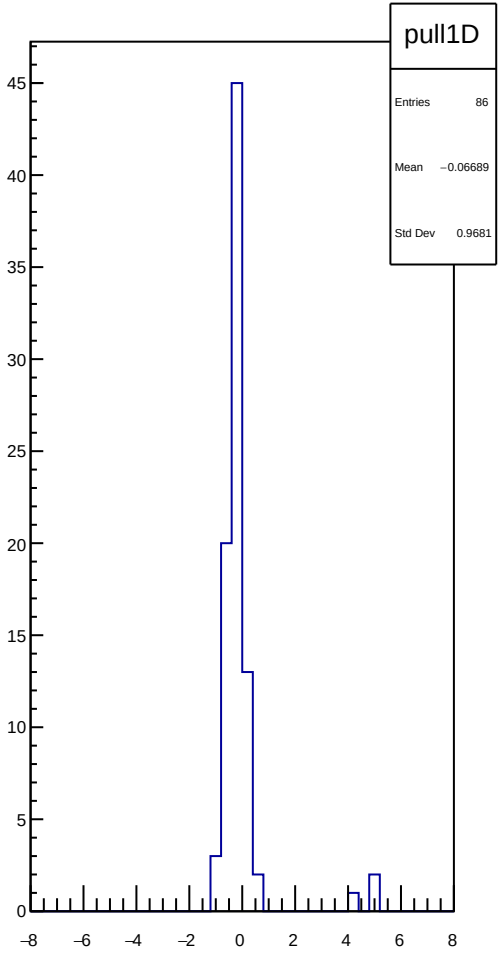

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 83.71 / 85
p0 −6.232 ± 1.156
pull
Entries 86
Mean 131.2
Std Dev 75.34

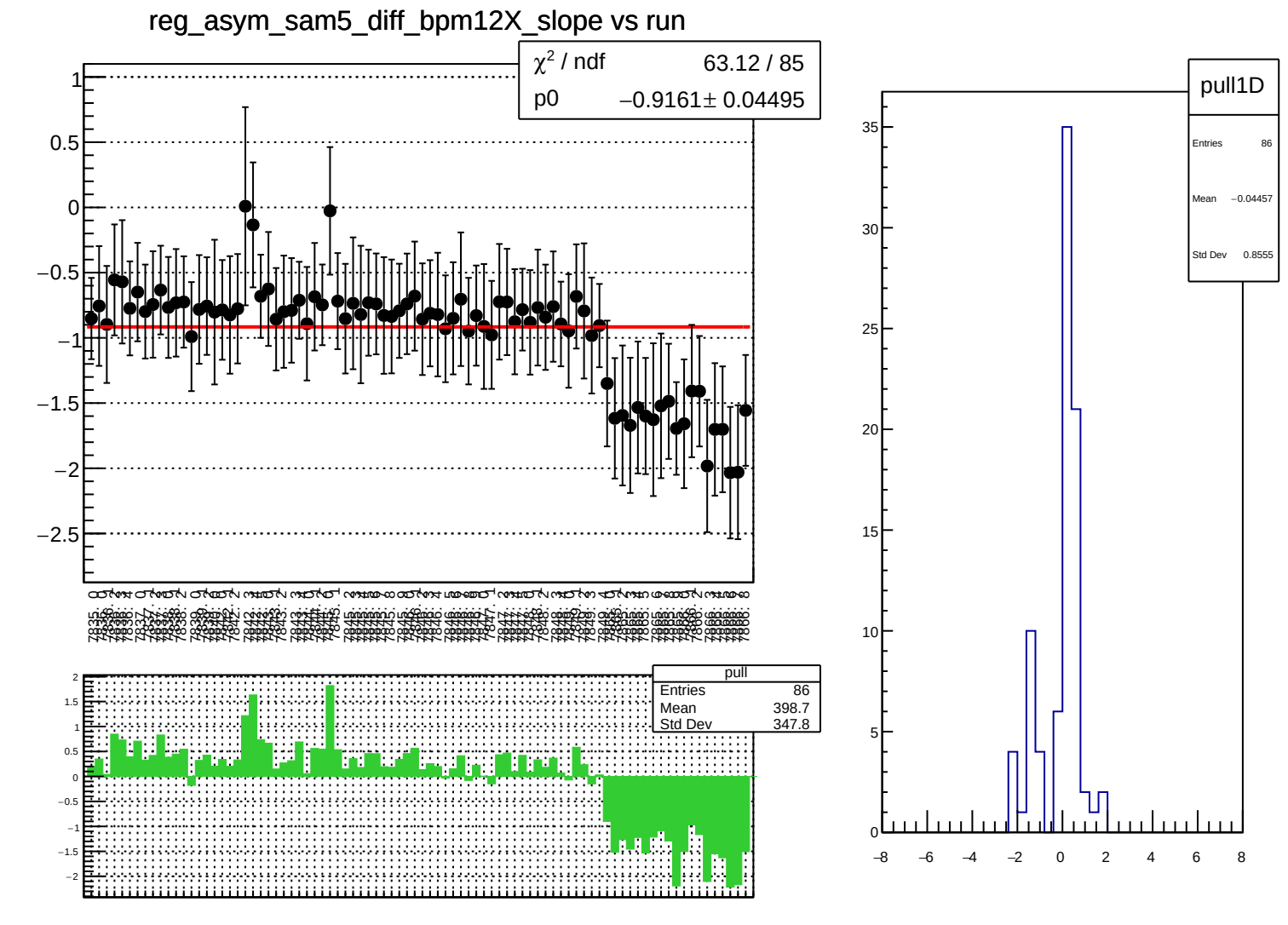

pull1D
Entries 86
Mean −0.18
Std Dev 0.97

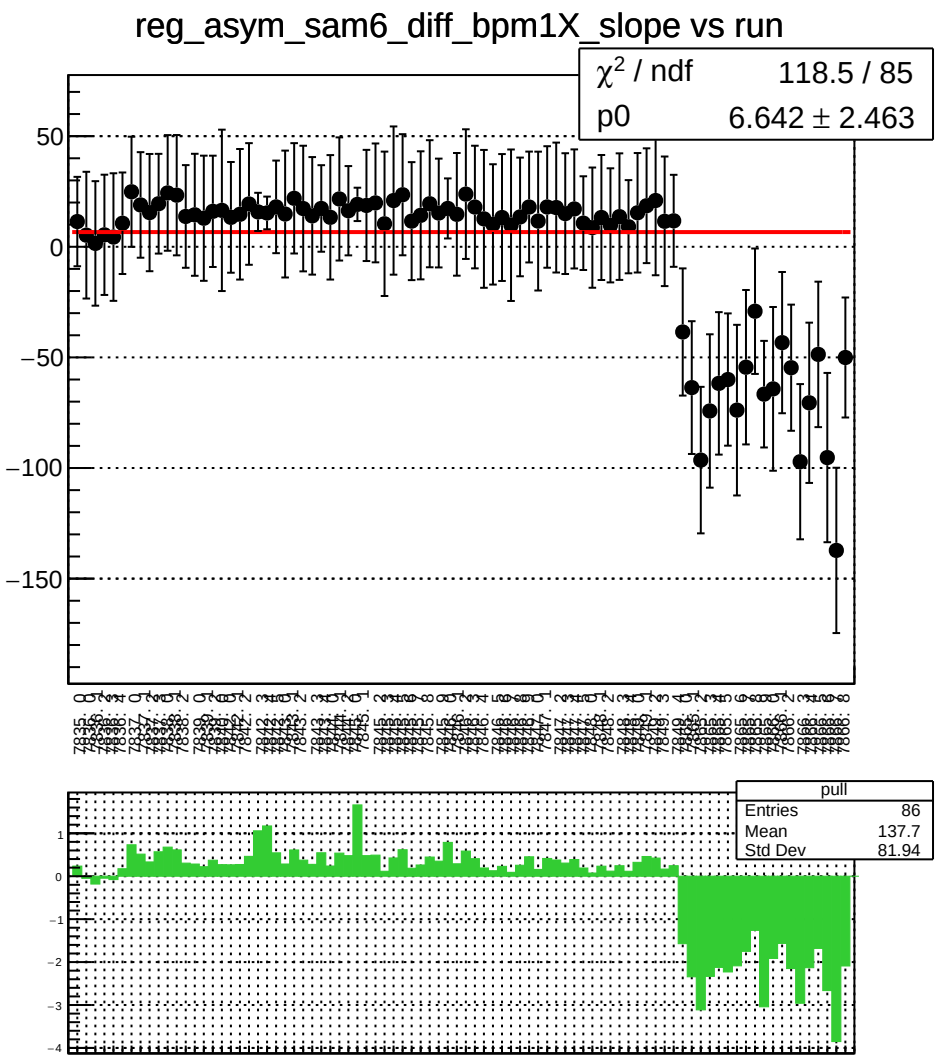

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 136.4 / 85
p0 105.9 ± 1.329
pull
Entries 86
Mean 110.3
Std Dev 60.55
pull1D
Entries 86
Mean 0.1425
Std Dev 1.251

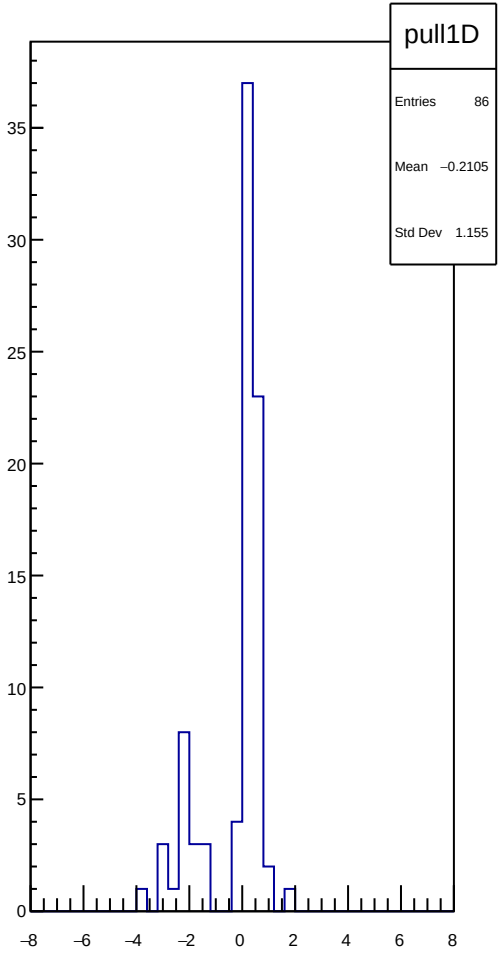

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 81 / 85
p0 12.14 ± 1.022
pull
Entries 86
Mean 126.6
Std Dev 70.21
pull1D
Entries 86
Mean 0.1845
Std Dev 0.9528

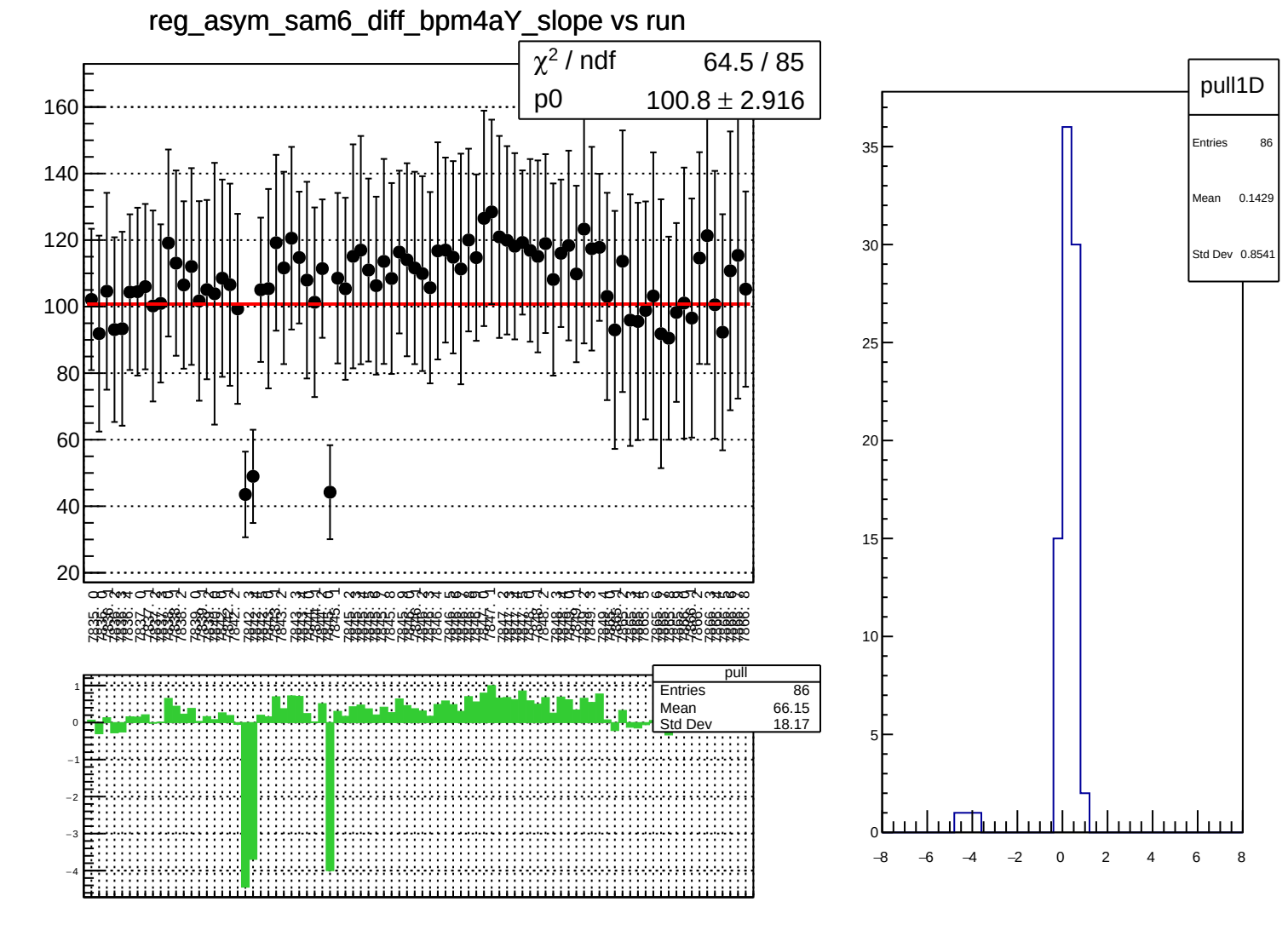

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 80.99 / 85
p0 38.19 ± 1.522
pull
Entries 86
Mean 144.7
Std Dev 94.41

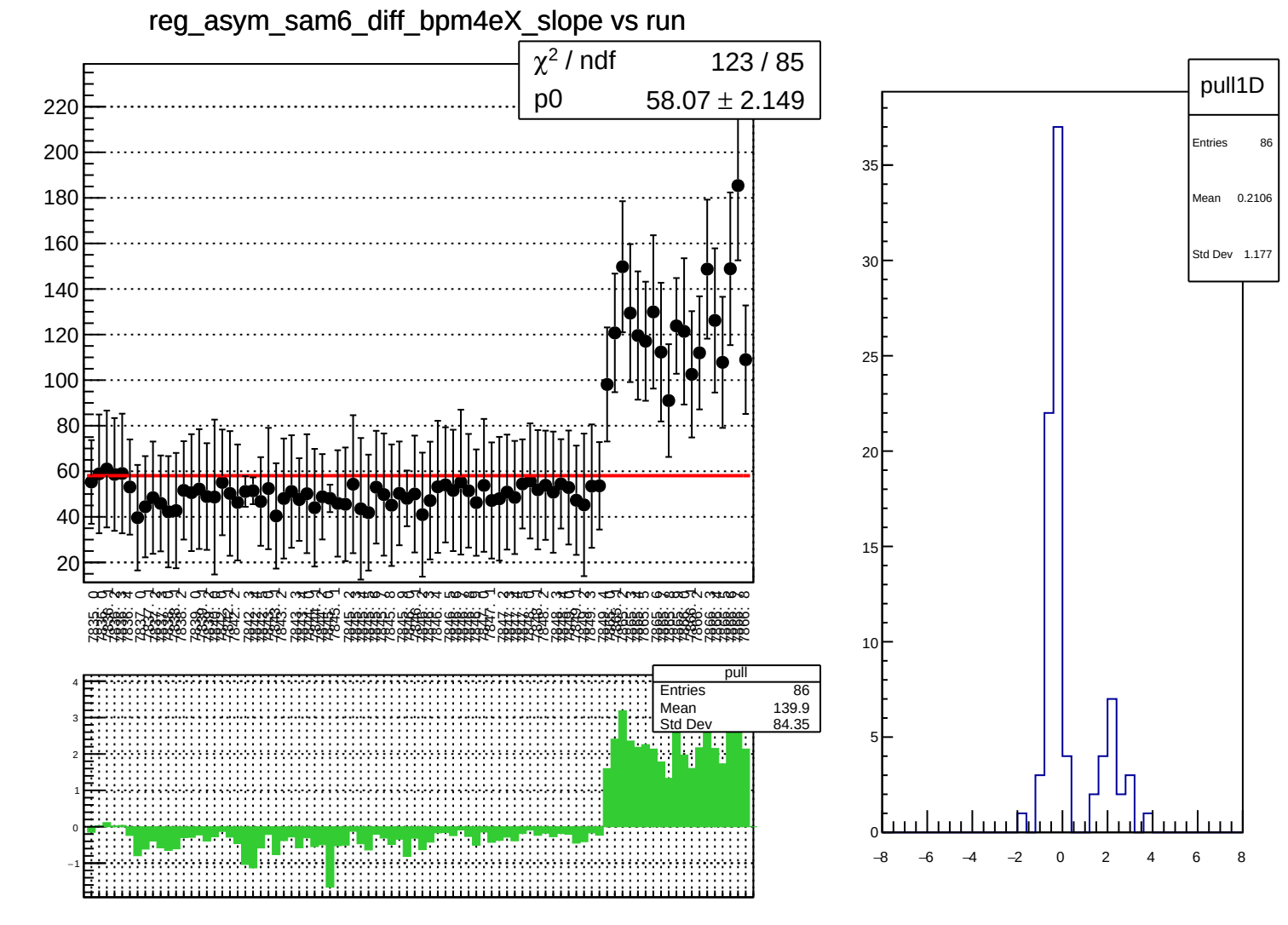

pull1D
Entries 86
Mean −0.06689
Std Dev 0.9681

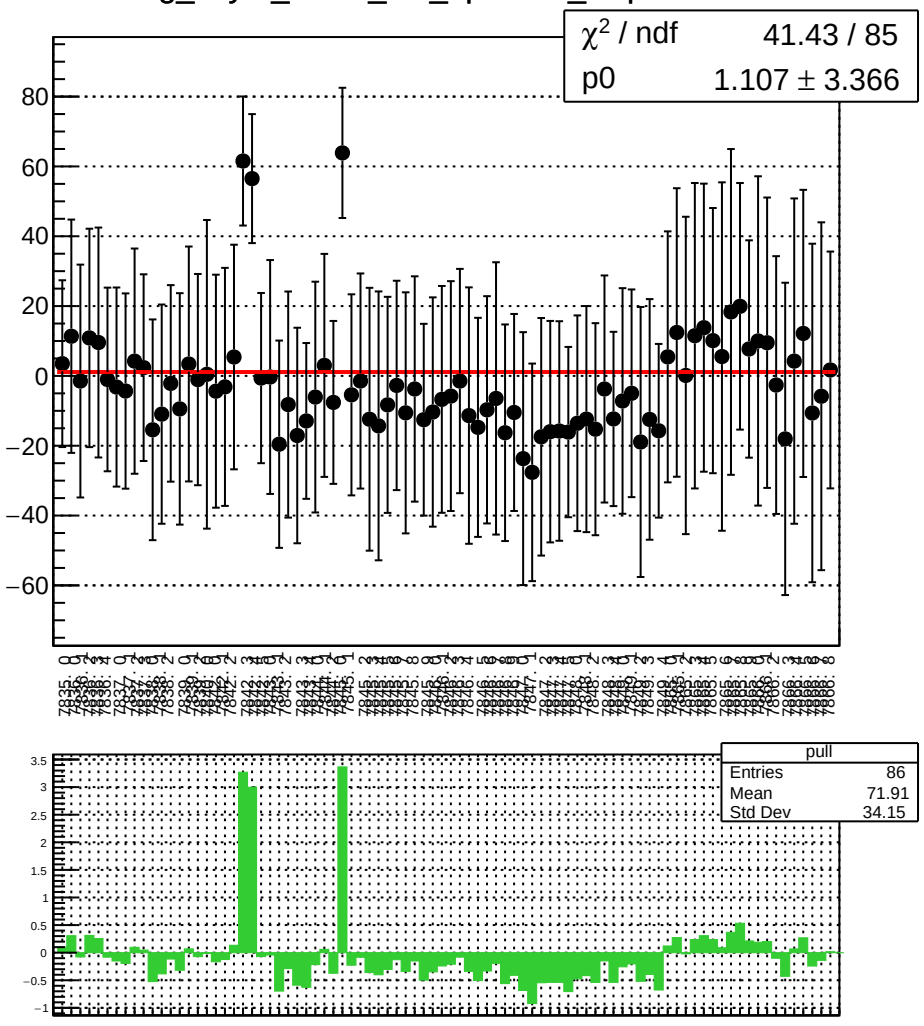

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 63.12 / 85
p0 −0.9161± 0.04495
pull
Entries 86
Mean 398.7
Std Dev 347.8
pull1D
Entries 86
Mean −0.04457
Std Dev 0.8555

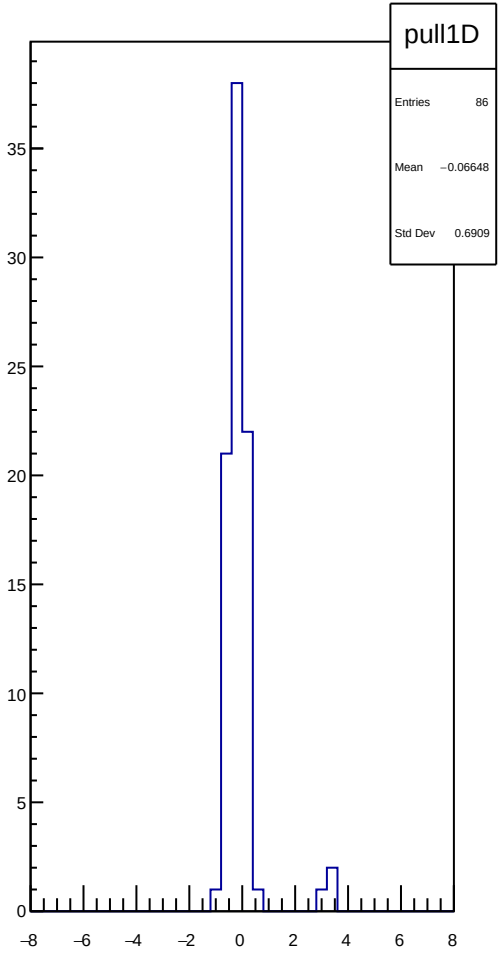

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 118.5 / 85
p0 6.642 ± 2.463
pull
Entries 86
Mean 137.7
Std Dev 81.94

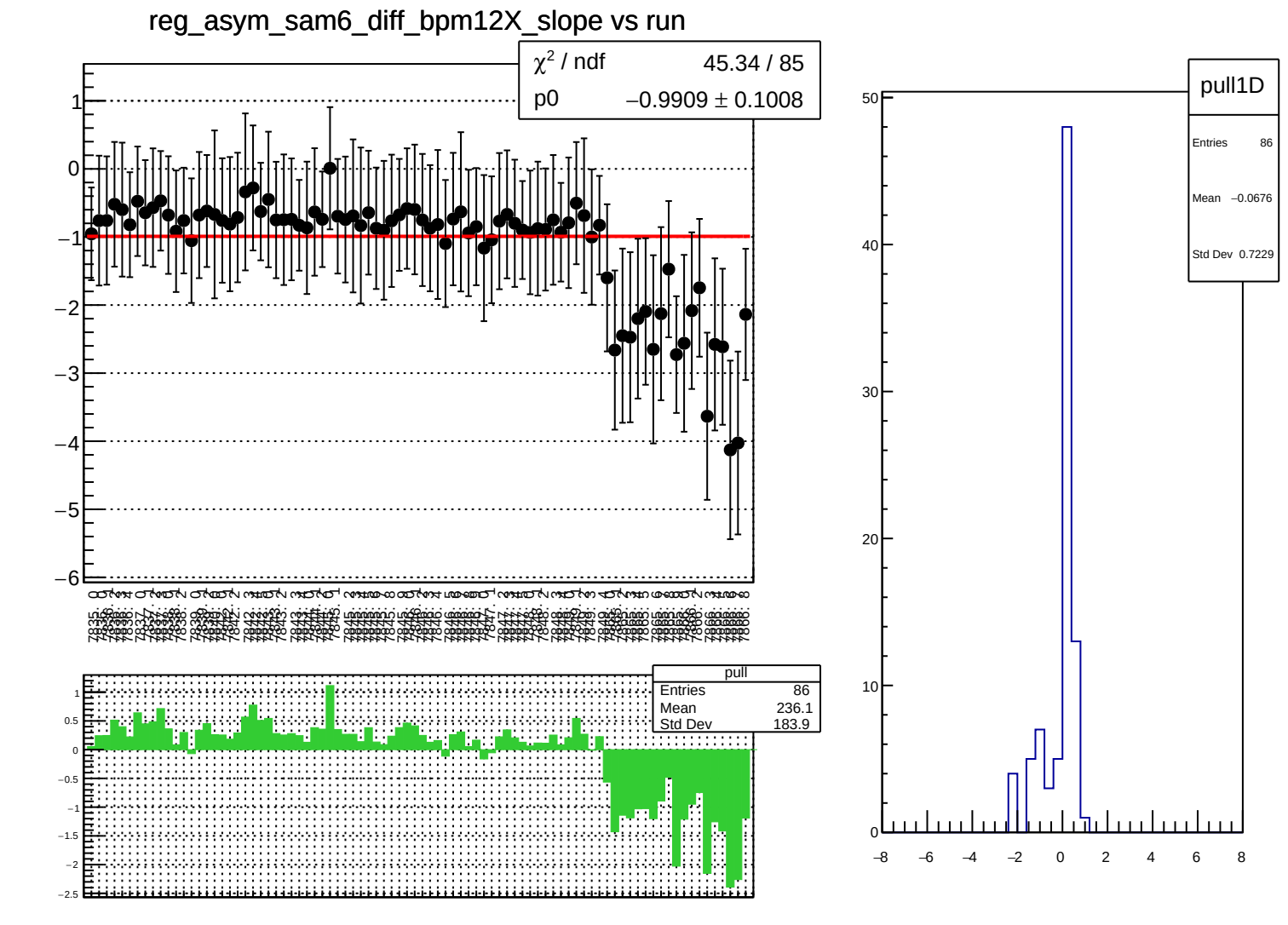

pull1D
Entries 86
Mean −0.2105
Std Dev 1.155

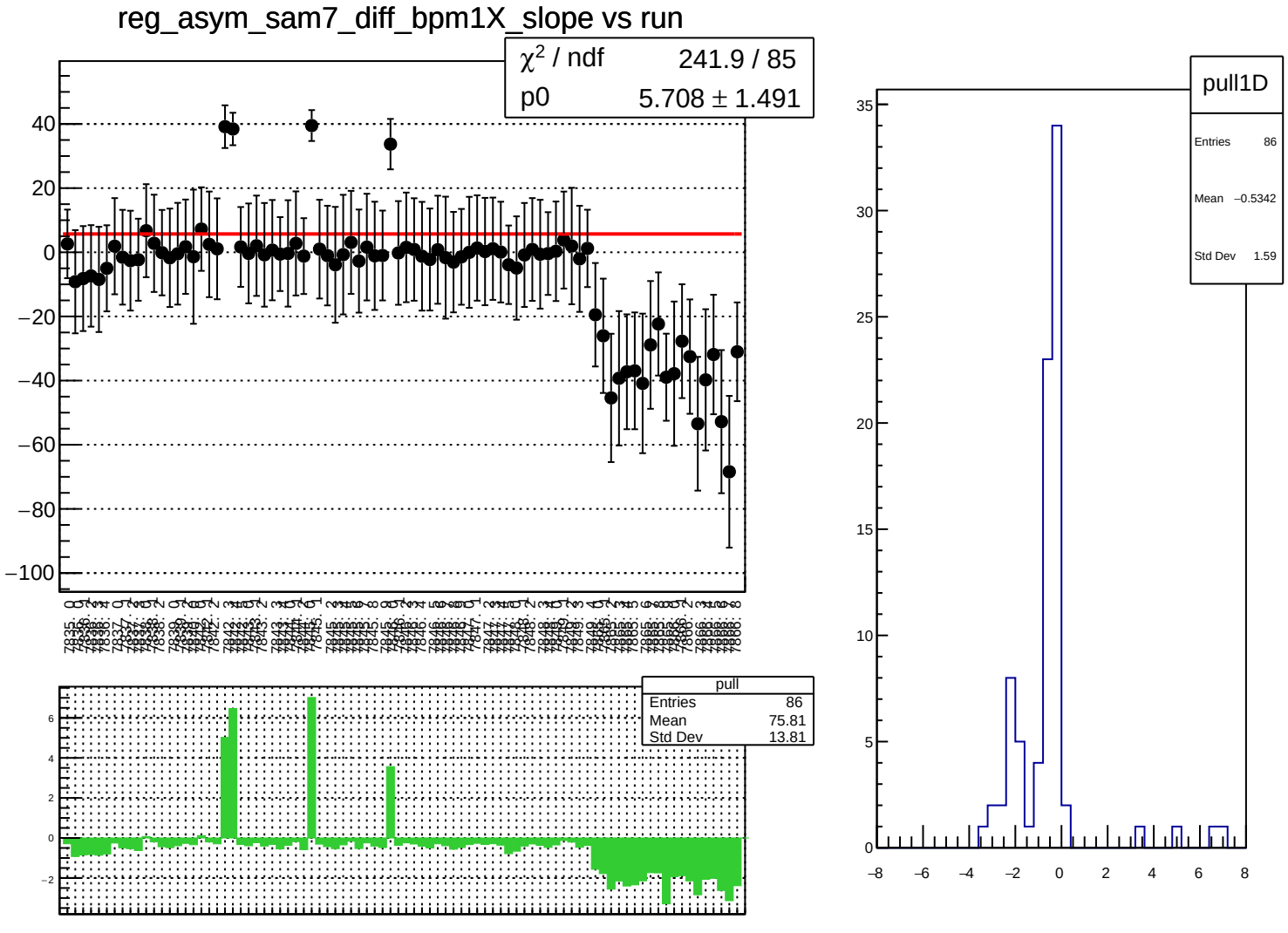

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 64.5 / 85
p0 100.8 ± 2.916
pull
Entries 86
Mean 66.15
Std Dev 18.17
pull1D
Entries 86
Mean 0.1429
Std Dev 0.8541

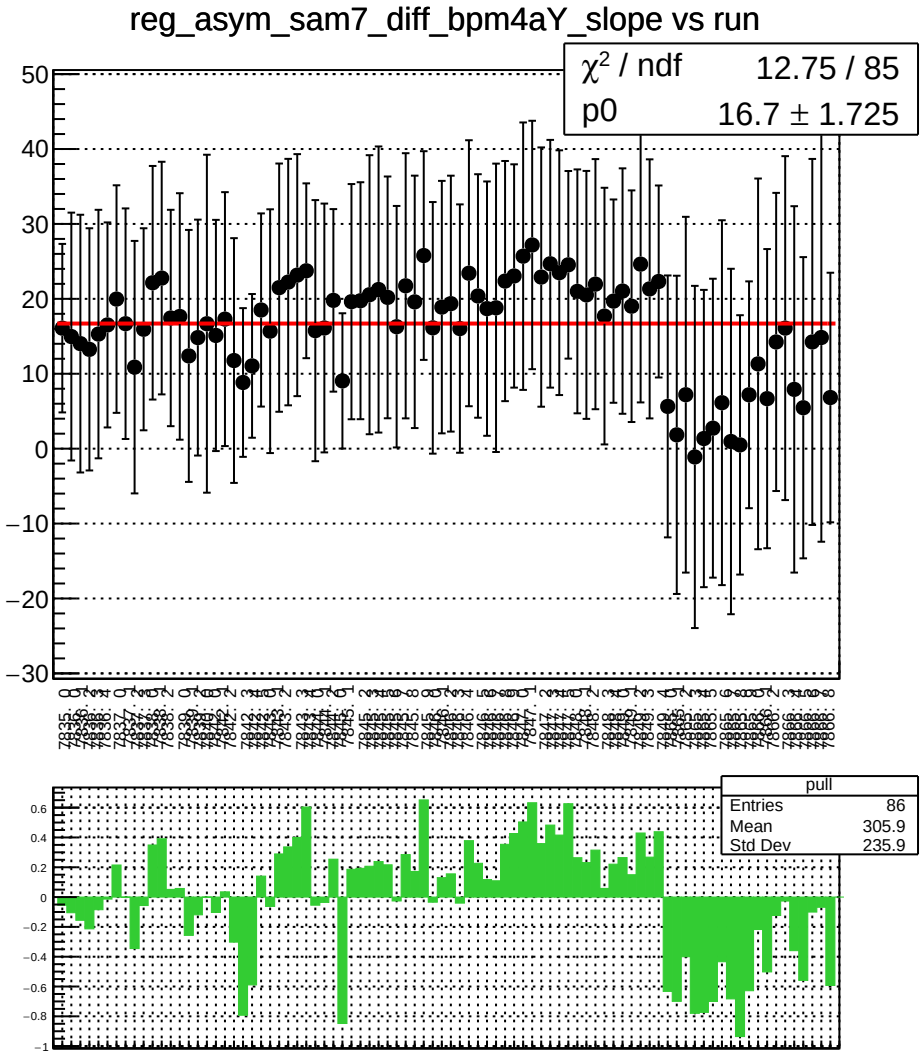

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 123 / 85
p0 58.07 ± 2.149
pull
Entries 86
Mean 139.9
Std Dev 84.35
pull1D
Entries 86
Mean 0.2106
Std Dev 1.177

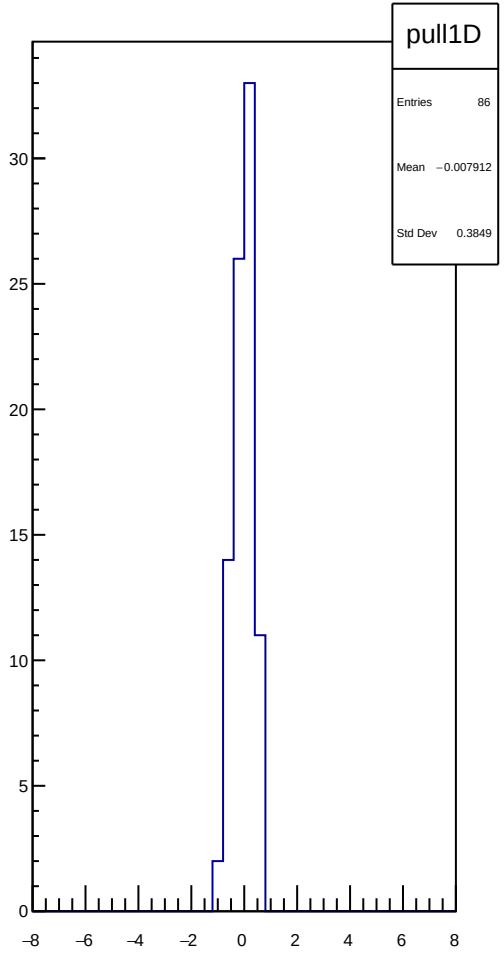

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 41.43 / 85
p0 1.107 ± 3.366
pull
Entries 86
Mean 71.91
Std Dev 34.15

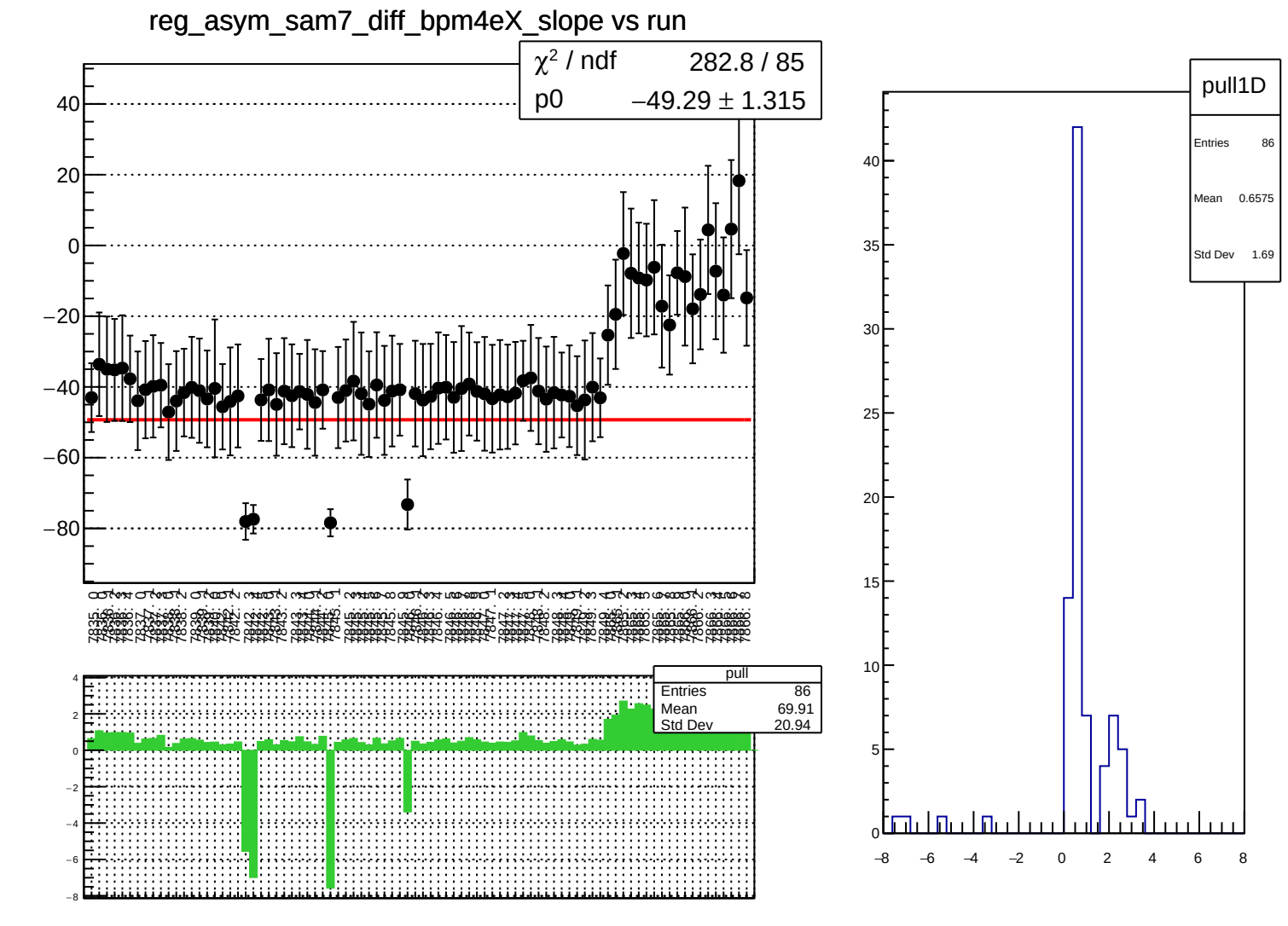

pull1D
Entries 86
Mean −0.06648
Std Dev 0.6909

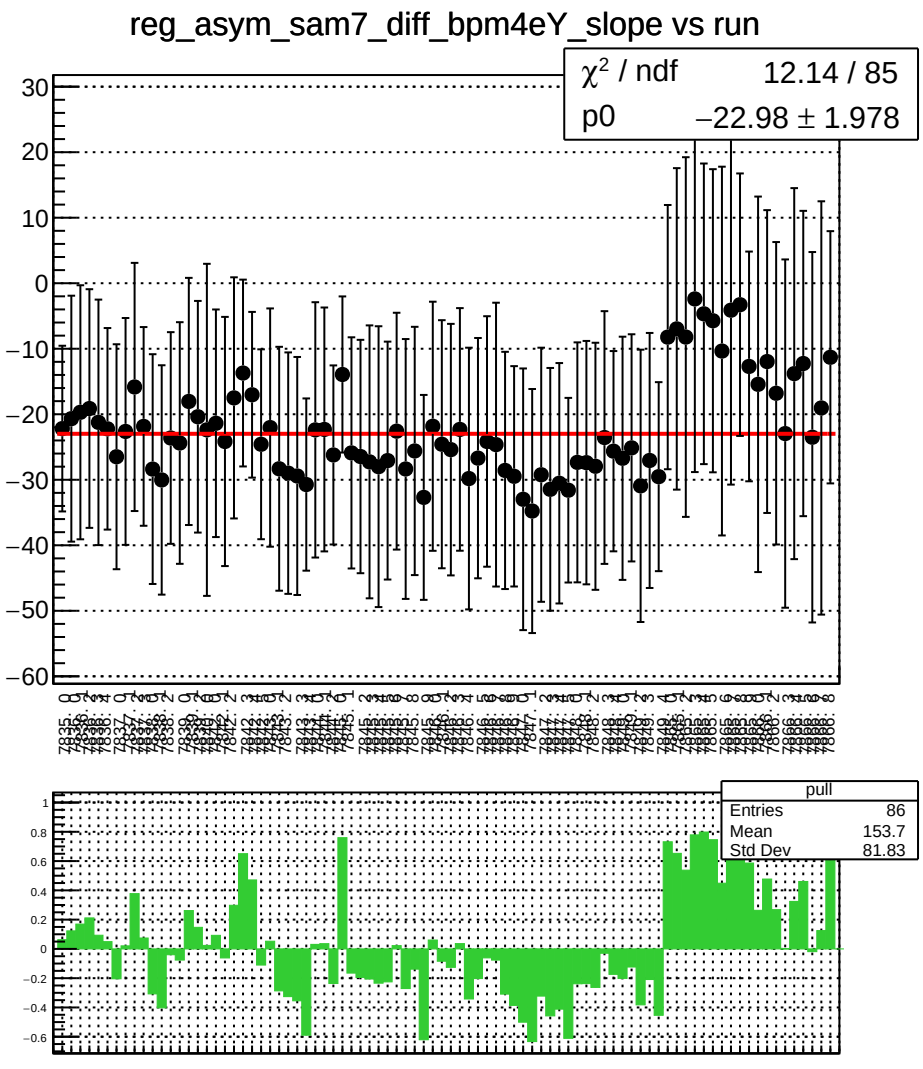

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 45.34 / 85
p0 −0.9909 ± 0.1008
pull
Entries 86
Mean 236.1
Std Dev 183.9
pull1D
Entries 86
Mean −0.0676
Std Dev 0.7229

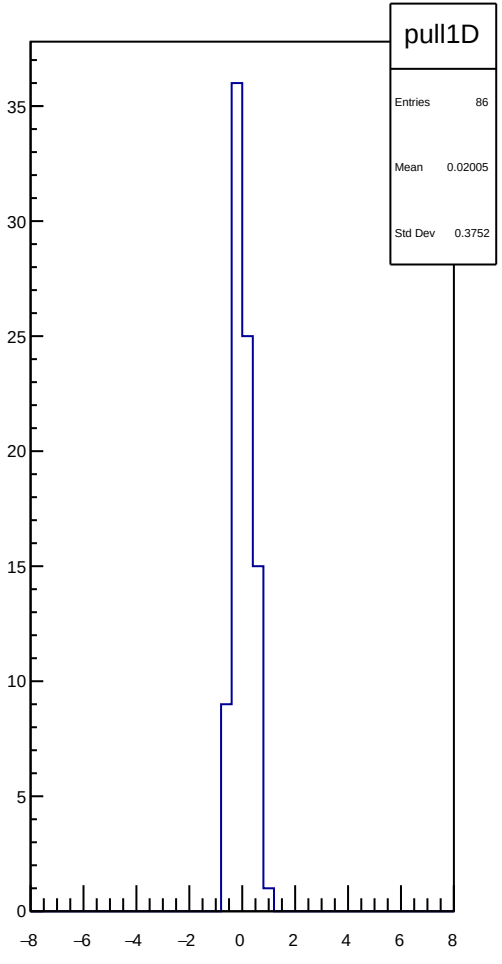

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 241.9 / 85
p0 5.708 ± 1.491
pull
Entries 86
Mean 75.81
Std Dev 13.81
pull1D
Entries 86
Mean −0.5342
Std Dev 1.59

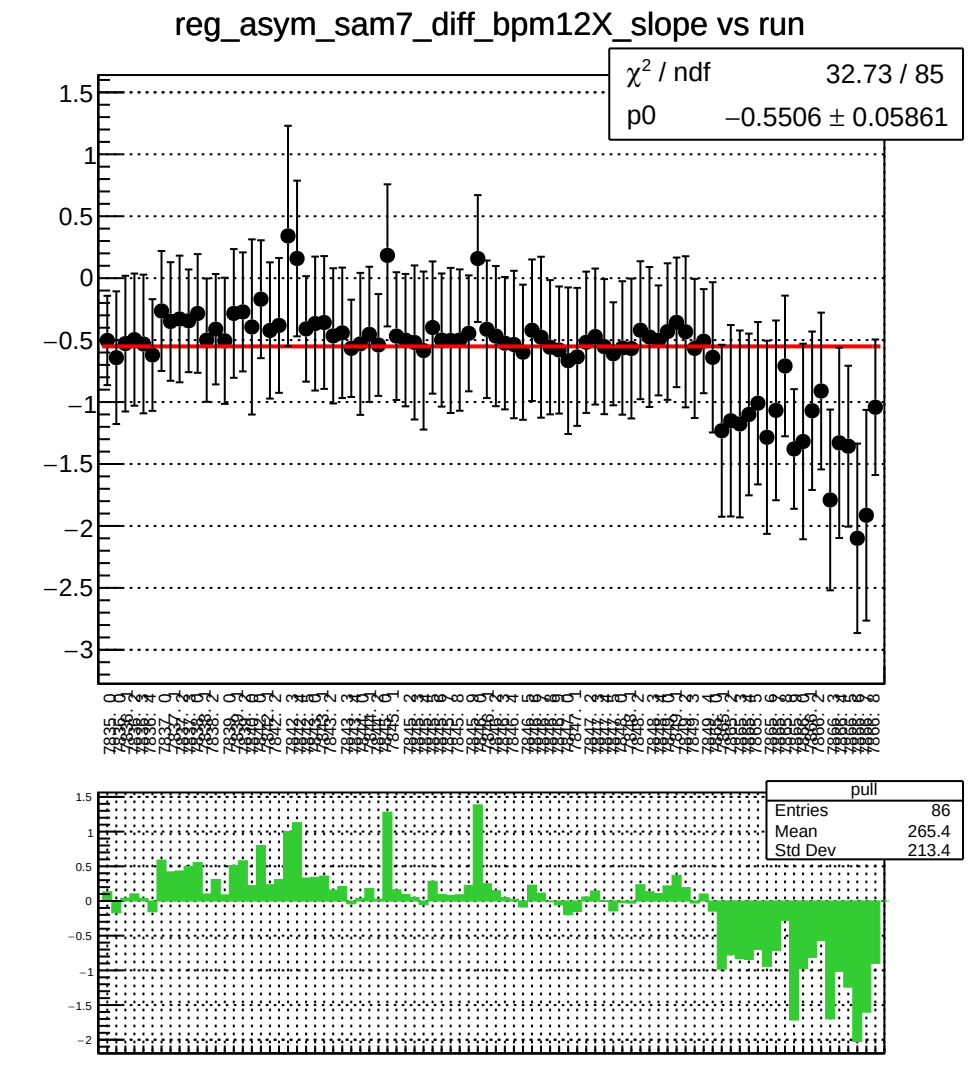

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 12.75 / 85
p0 16.7 ± 1.725
pull
Entries 86
Mean 305.9
Std Dev 235.9

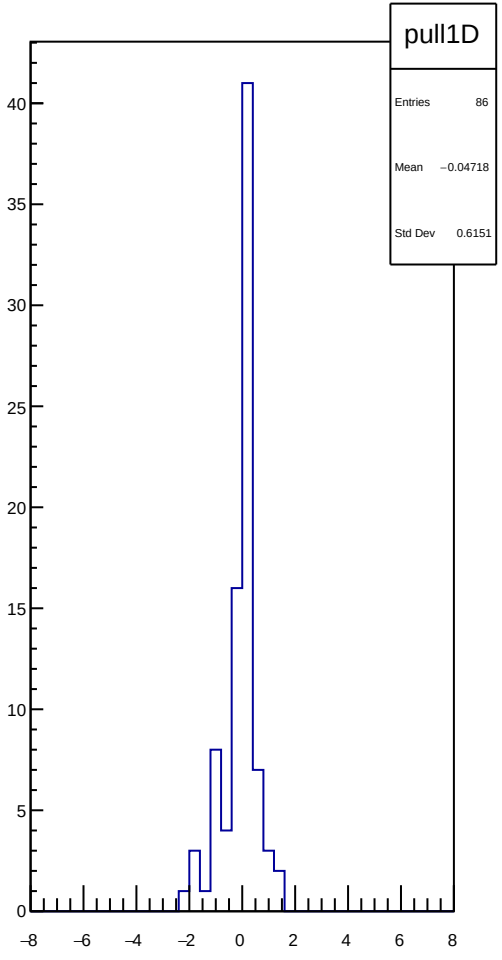

pull1D
Entries 86
Mean −0.007912
Std Dev 0.3849

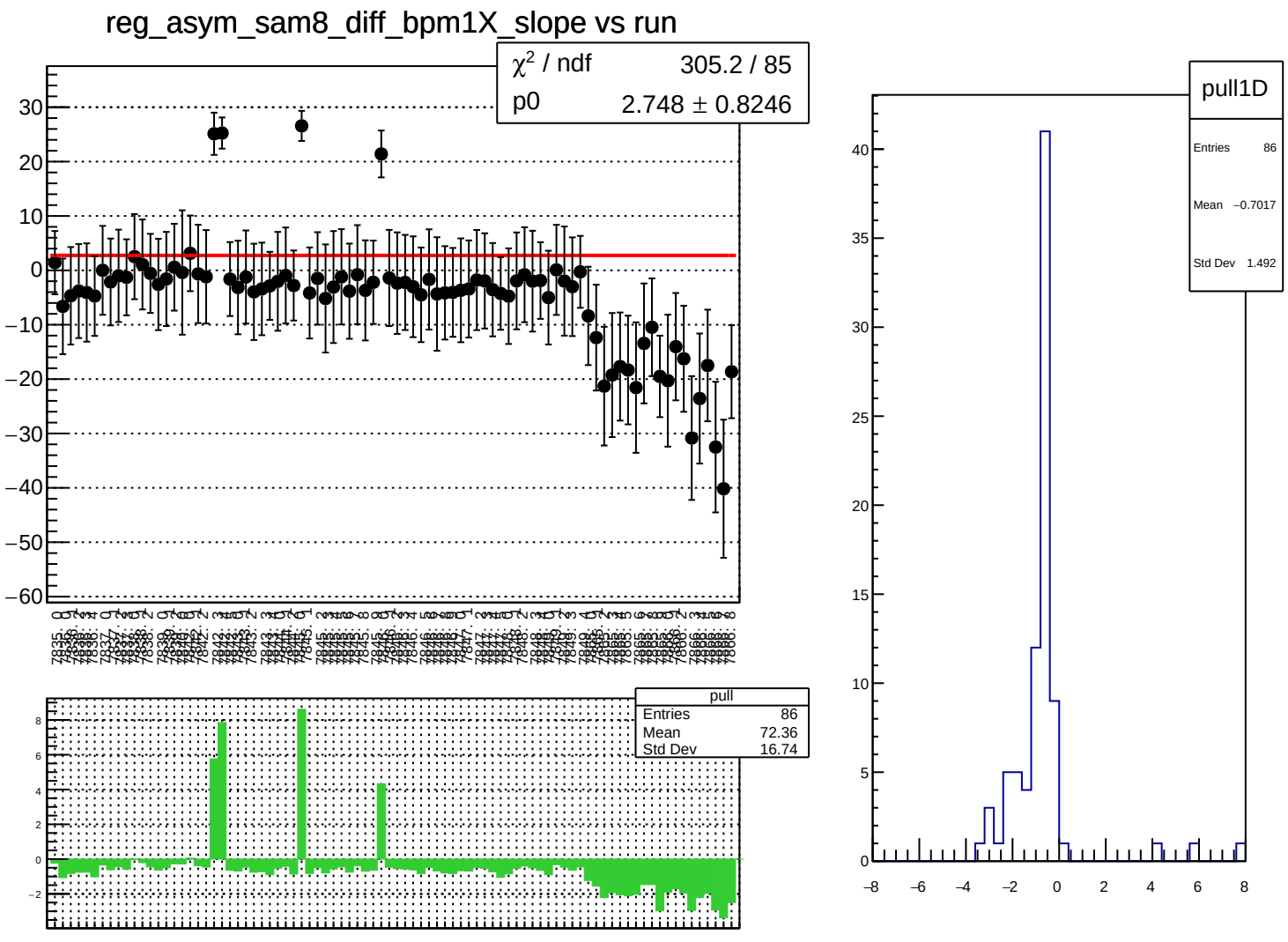

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 282.8 / 85
p0 −49.29 ± 1.315
pull
Entries 86
Mean 69.91
Std Dev 20.94
pull1D
Entries 86
Mean 0.6575
Std Dev 1.69

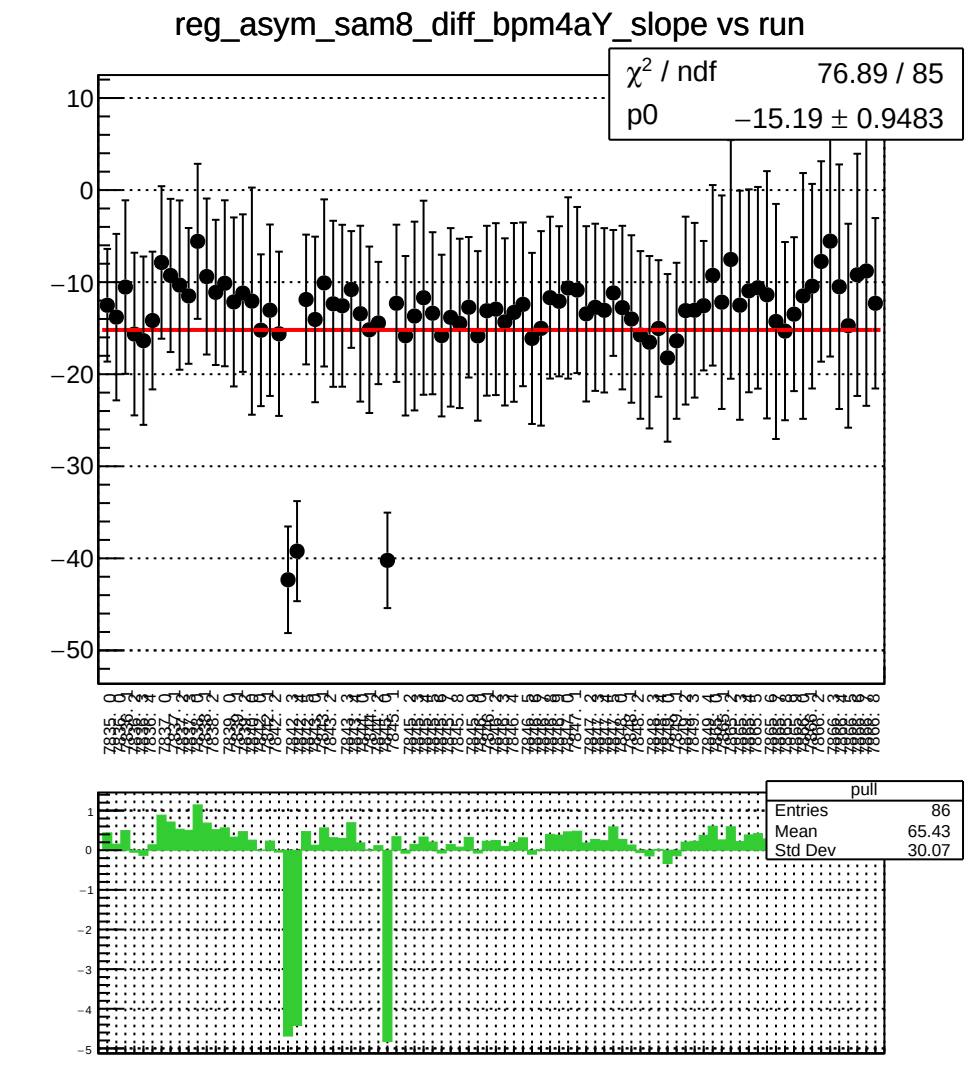

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 12.14 / 85
p0 −22.98 ± 1.978
pull
Entries 86
Mean 153.7
Std Dev 81.83

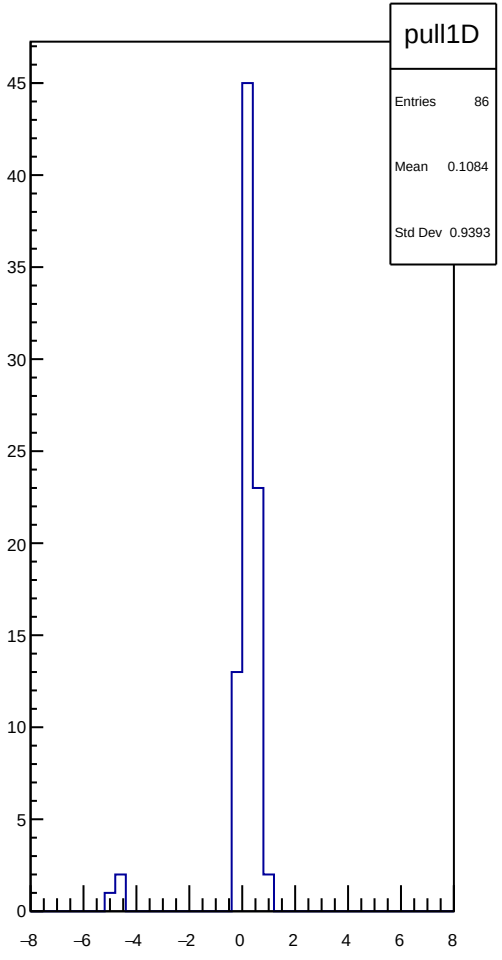

pull1D
Entries 86
Mean 0.02005
Std Dev 0.3752

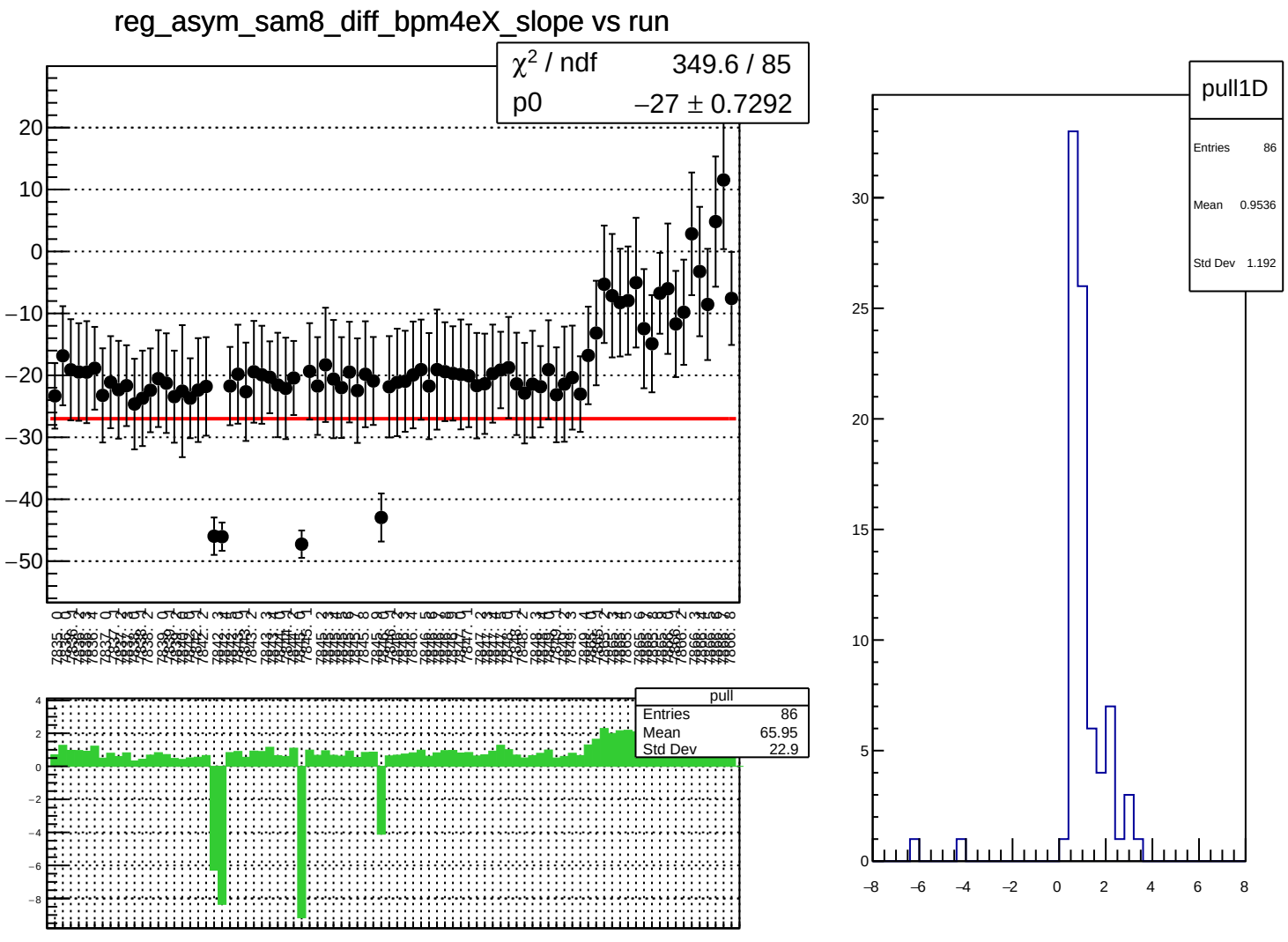

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 32.73 / 85
p0 −0.5506 ± 0.05861
pull
Entries 86
Mean 265.4
Std Dev 213.4

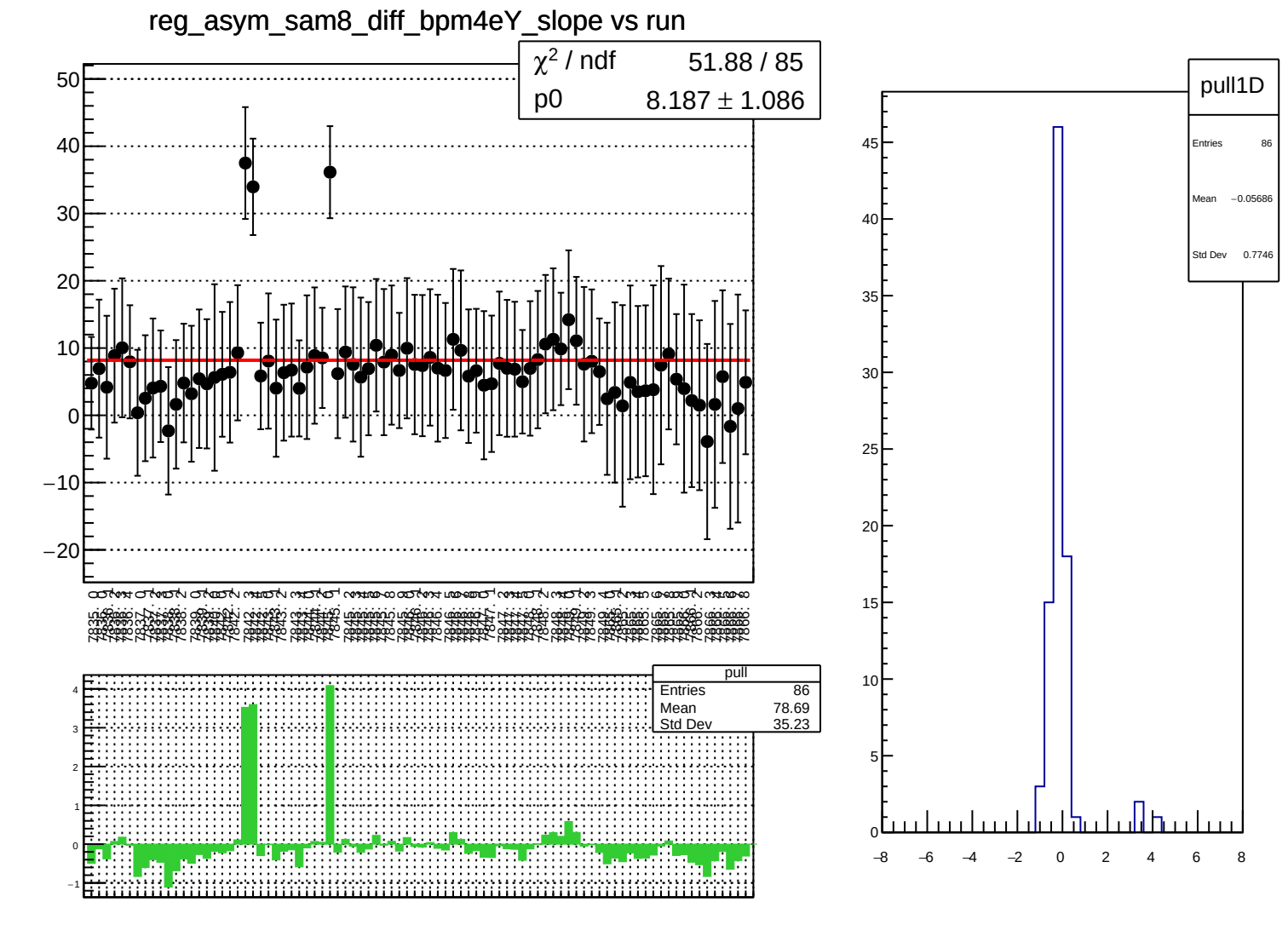

pull1D
Entries 86
Mean −0.04718
Std Dev 0.6151

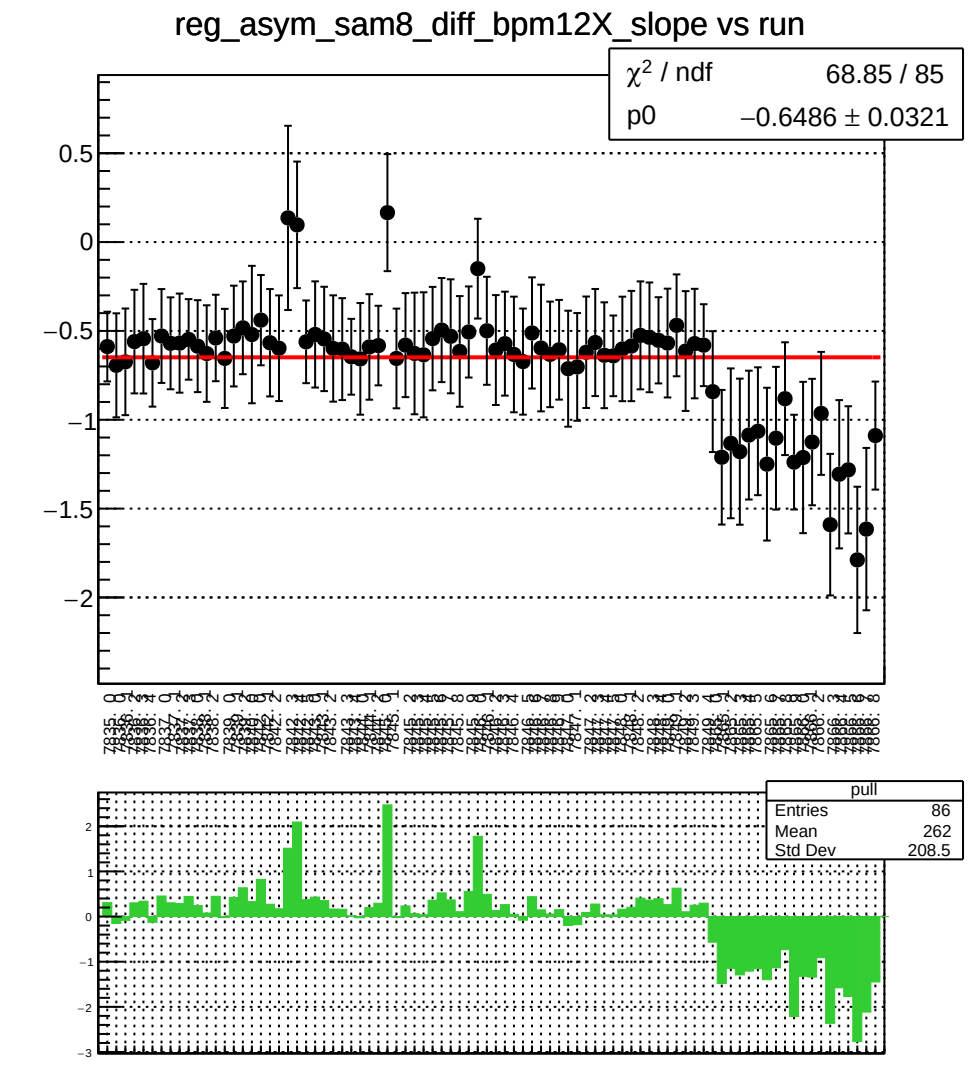

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 305.2 / 85
p0 2.748 ± 0.8246
pull
Entries 86
Mean 72.36
Std Dev 16.74
pull1D
Entries 86
Mean −0.7017
Std Dev 1.492

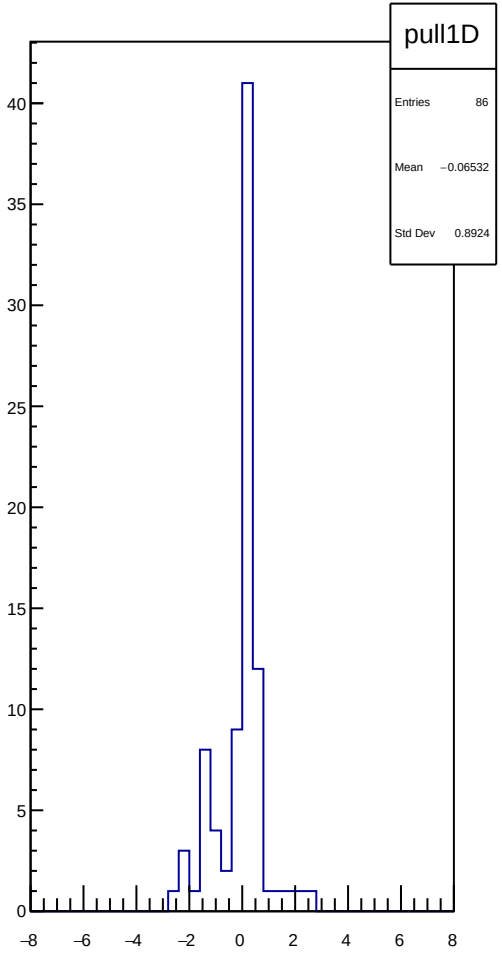

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 76.89 / 85
p0 −15.19 ± 0.9483
pull
Entries 86
Mean 65.43
Std Dev 30.07

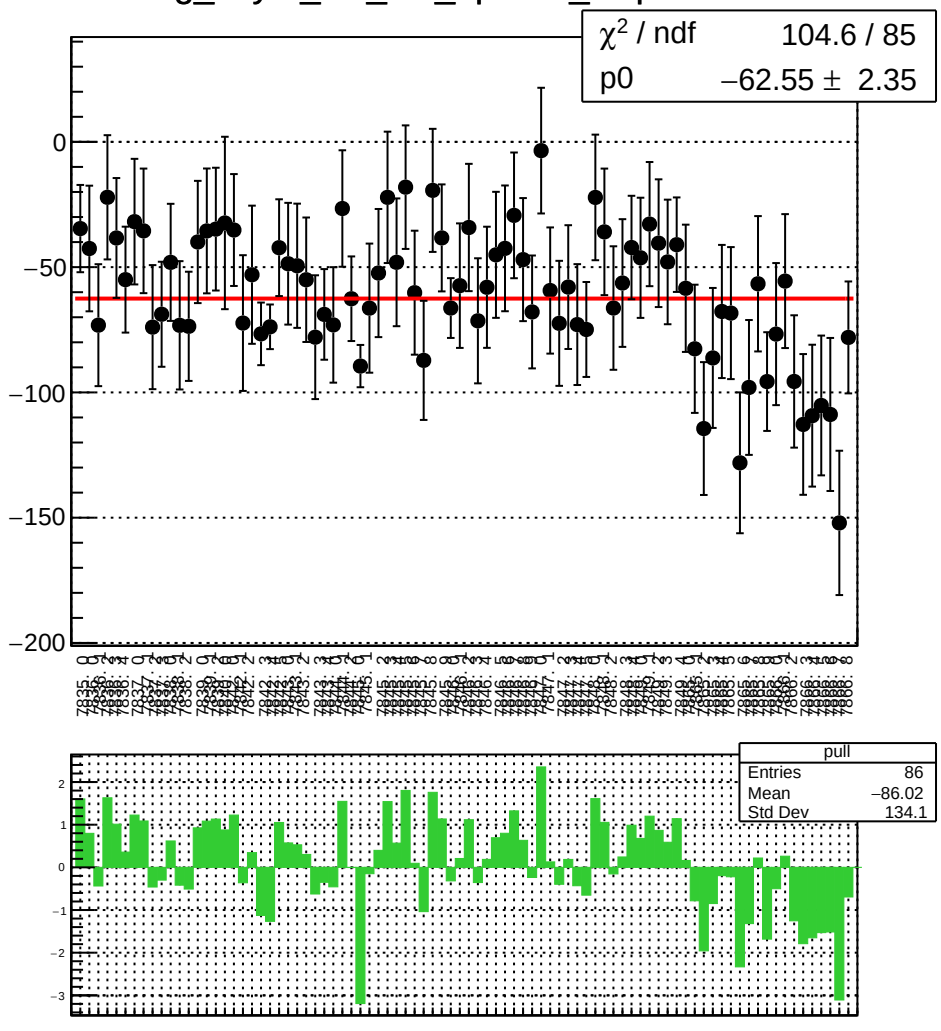

pull1D
Entries 86
Mean 0.1084
Std Dev 0.9393

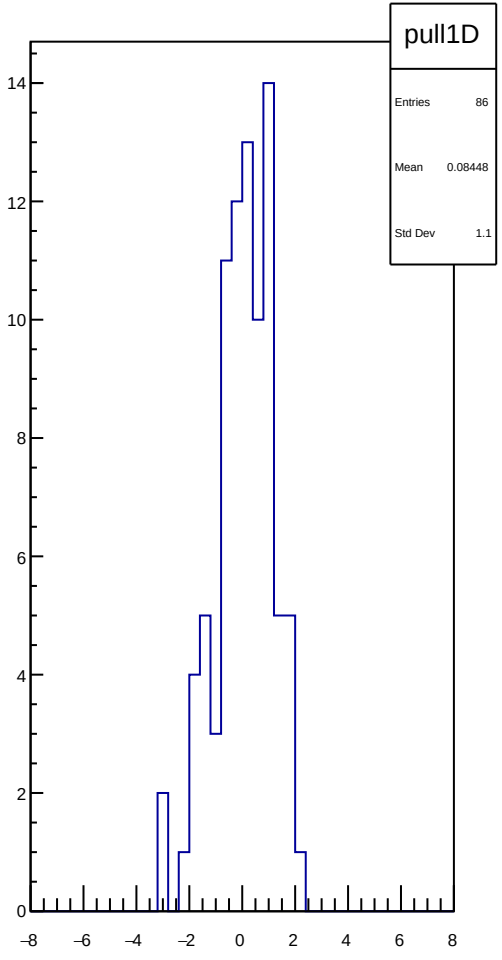

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 349.6 / 85
p0 −27 ± 0.7292
pull
Entries 86
Mean 65.95
Std Dev 22.9
pull1D
Entries 86
Mean 0.9536
Std Dev 1.192

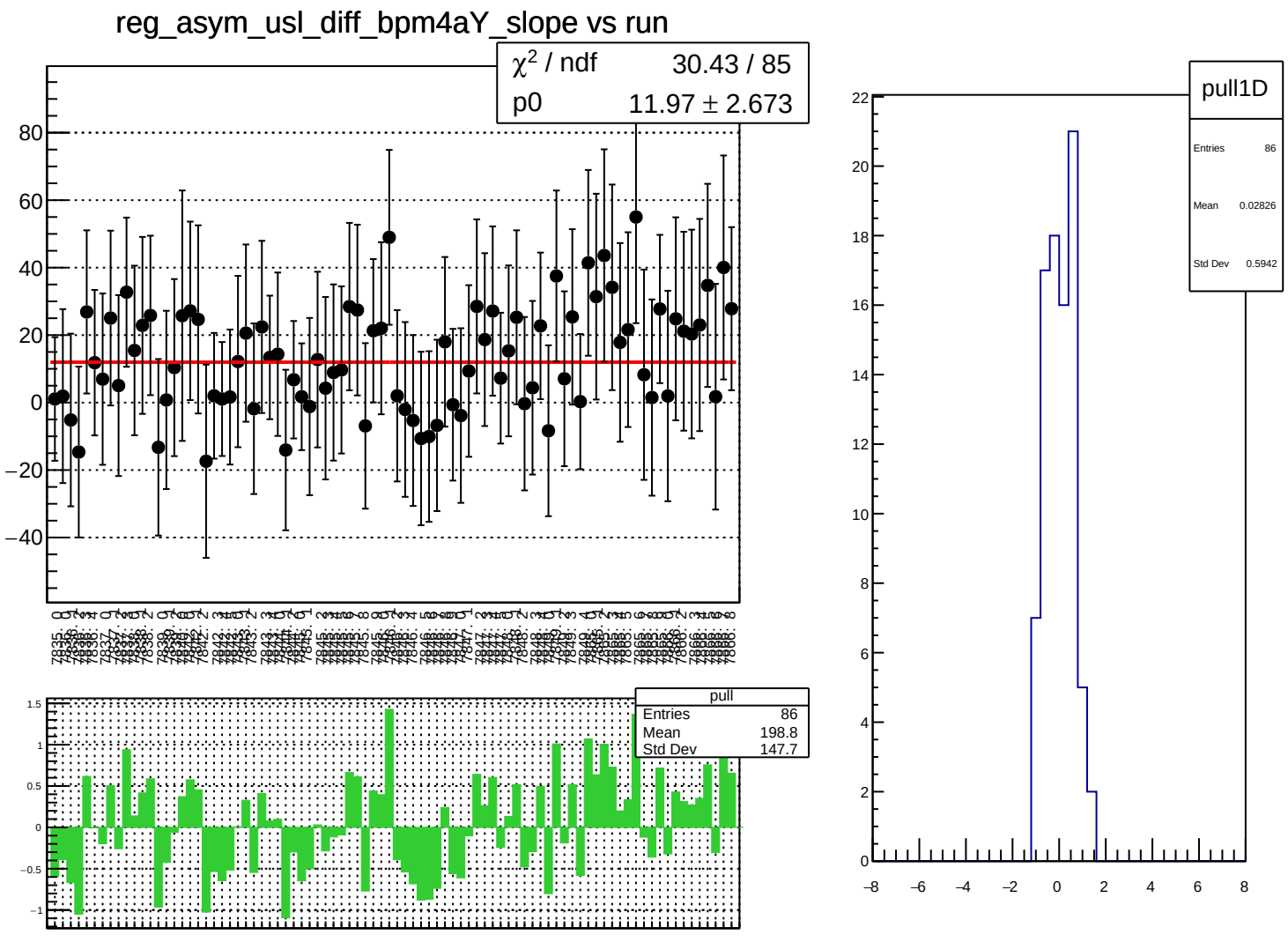

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 51.88 / 85
p0 8.187 ± 1.086
pull
Entries 86
Mean 78.69
Std Dev 35.23
pull1D
Entries 86
Mean −0.05686
Std Dev 0.7746

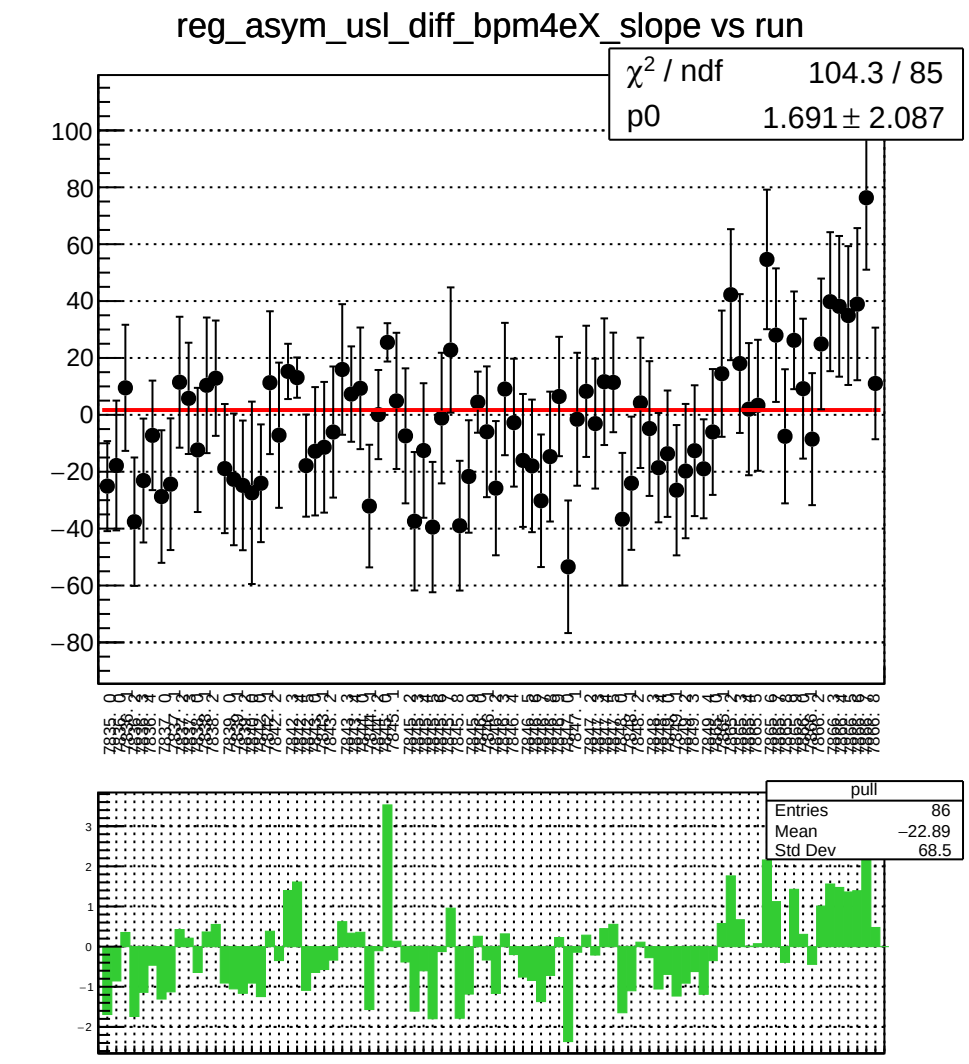

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 68.85 / 85
p0 −0.6486 ± 0.0321
pull
Entries 86
Mean 262
Std Dev 208.5

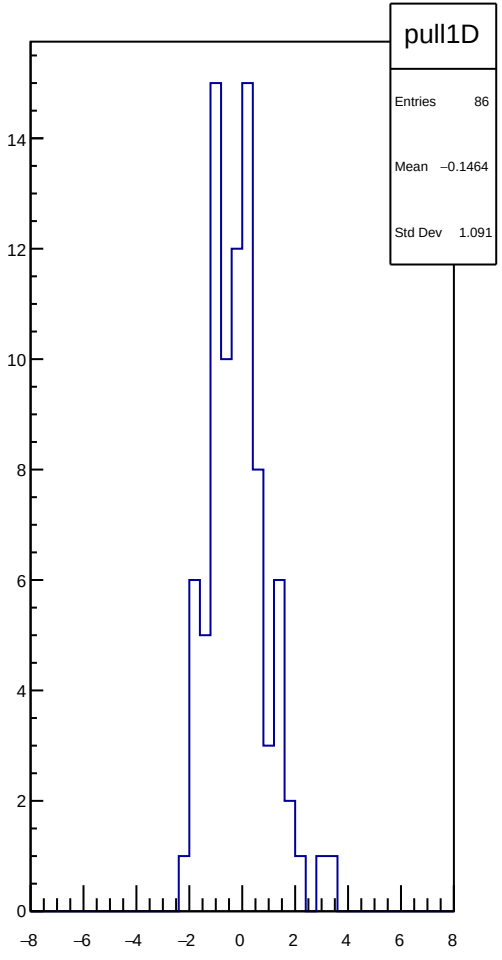

pull1D
Entries 86
Mean −0.06532
Std Dev 0.8924

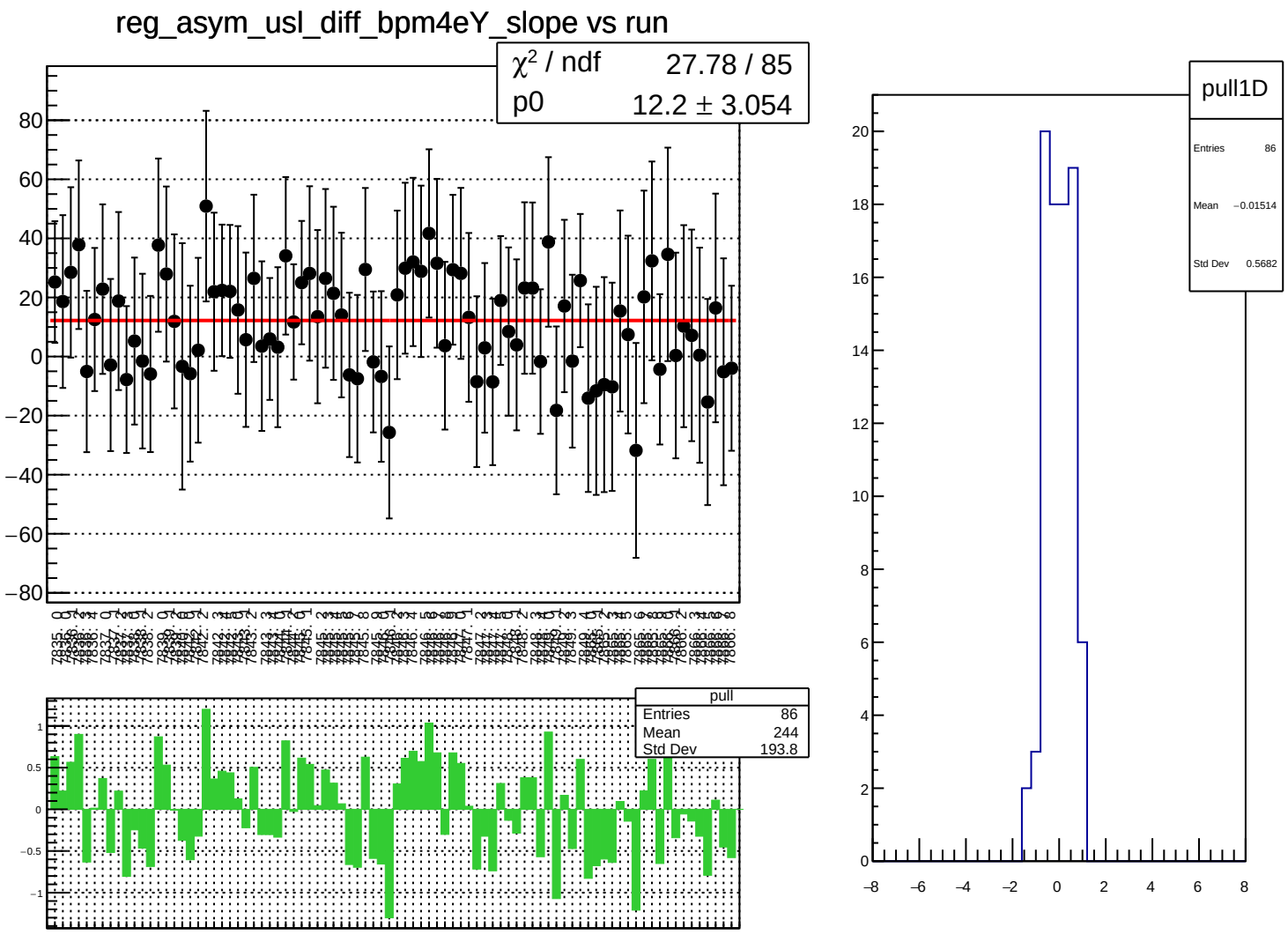

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 104.6 / 85
p0 −62.55 ± 2.35
pull
Entries 86
Mean −86.02
Std Dev 134.1

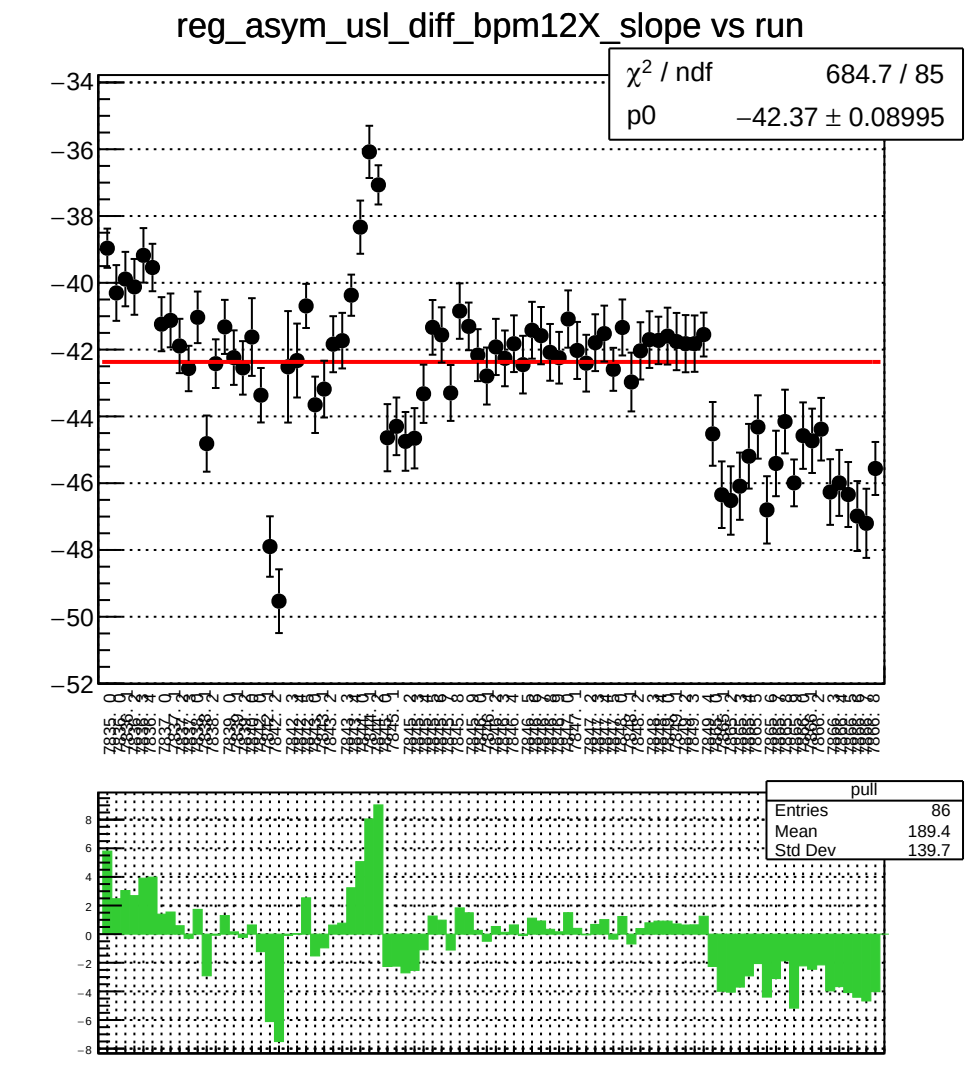

pull1D
Entries 86
Mean 0.08448
Std Dev 1.1

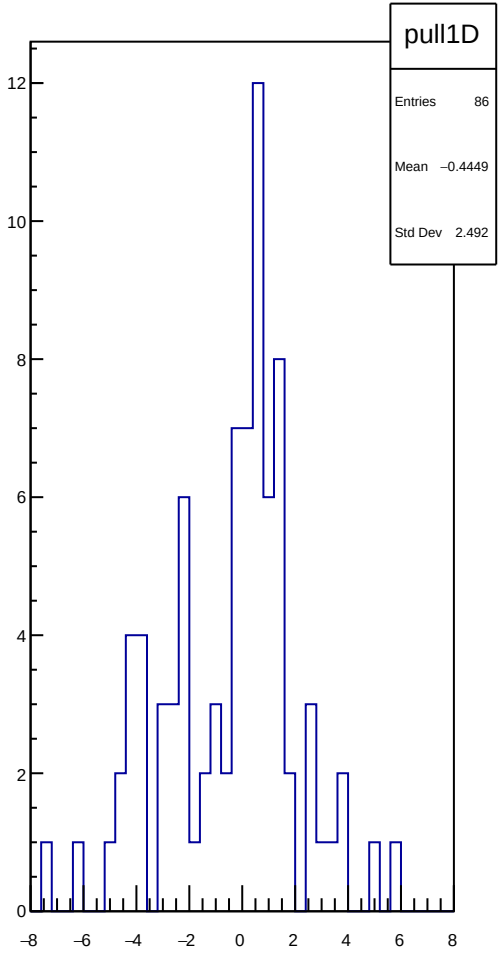

reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 30.43 / 85
p0 11.97 ± 2.673
pull
Entries 86
Mean 198.8
Std Dev 147.7
pull1D
Entries 86
Mean 0.02826
Std Dev 0.5942

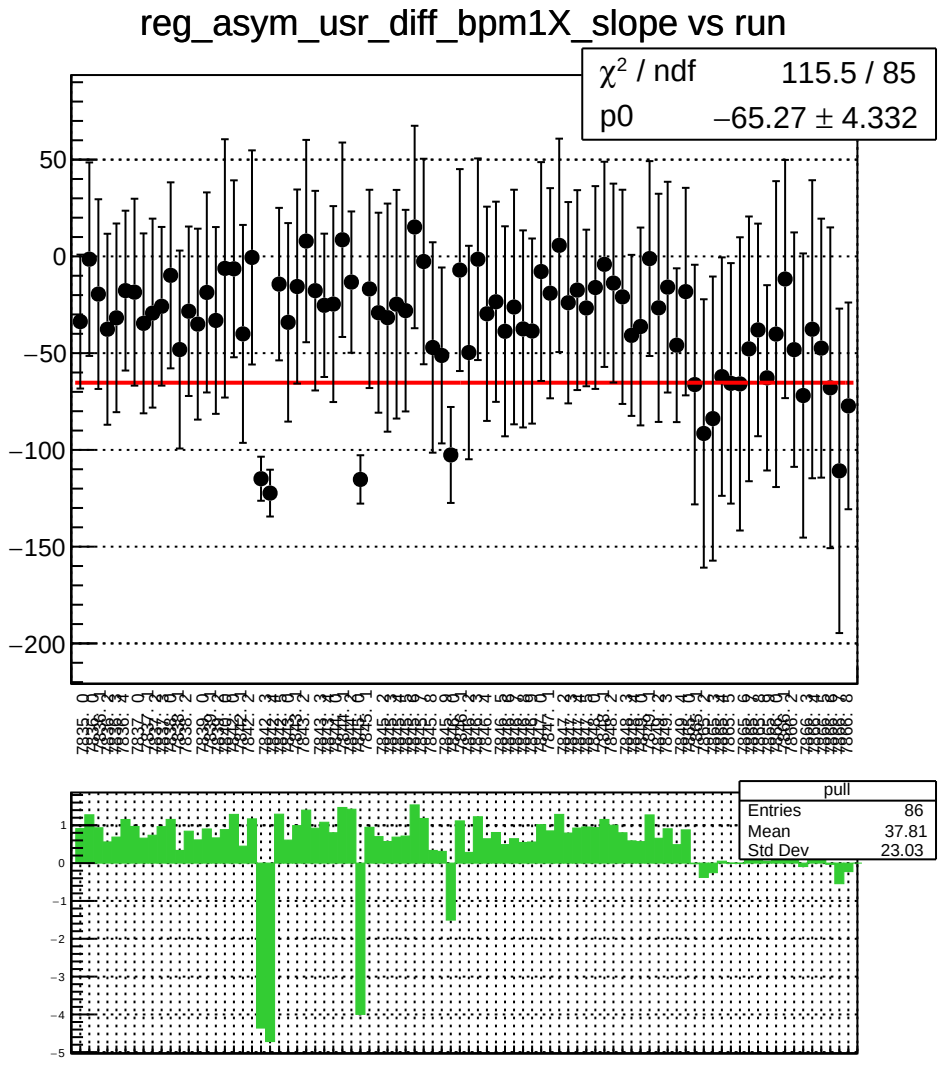

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 104.3 / 85
p0 1.691 ± 2.087
pull
Entries 86
Mean −22.89
Std Dev 68.5

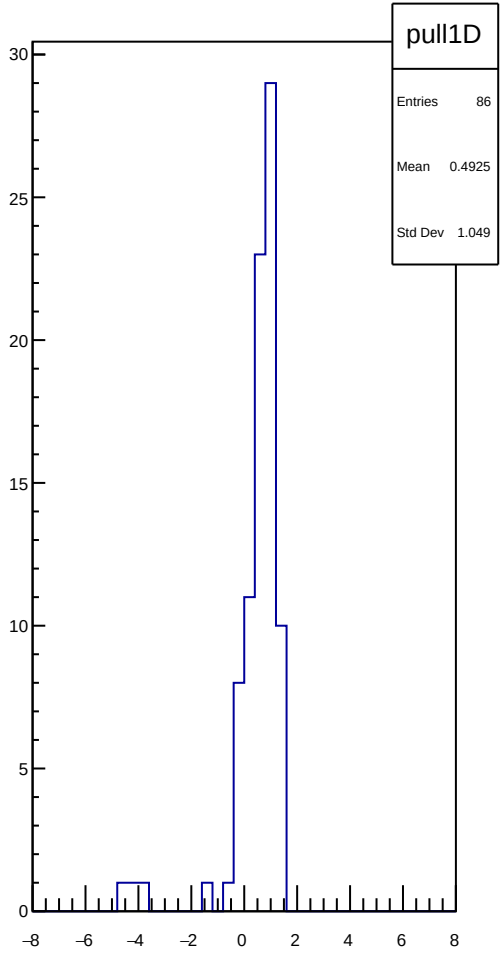

pull1D
Entries 86
Mean −0.1464
Std Dev 1.091

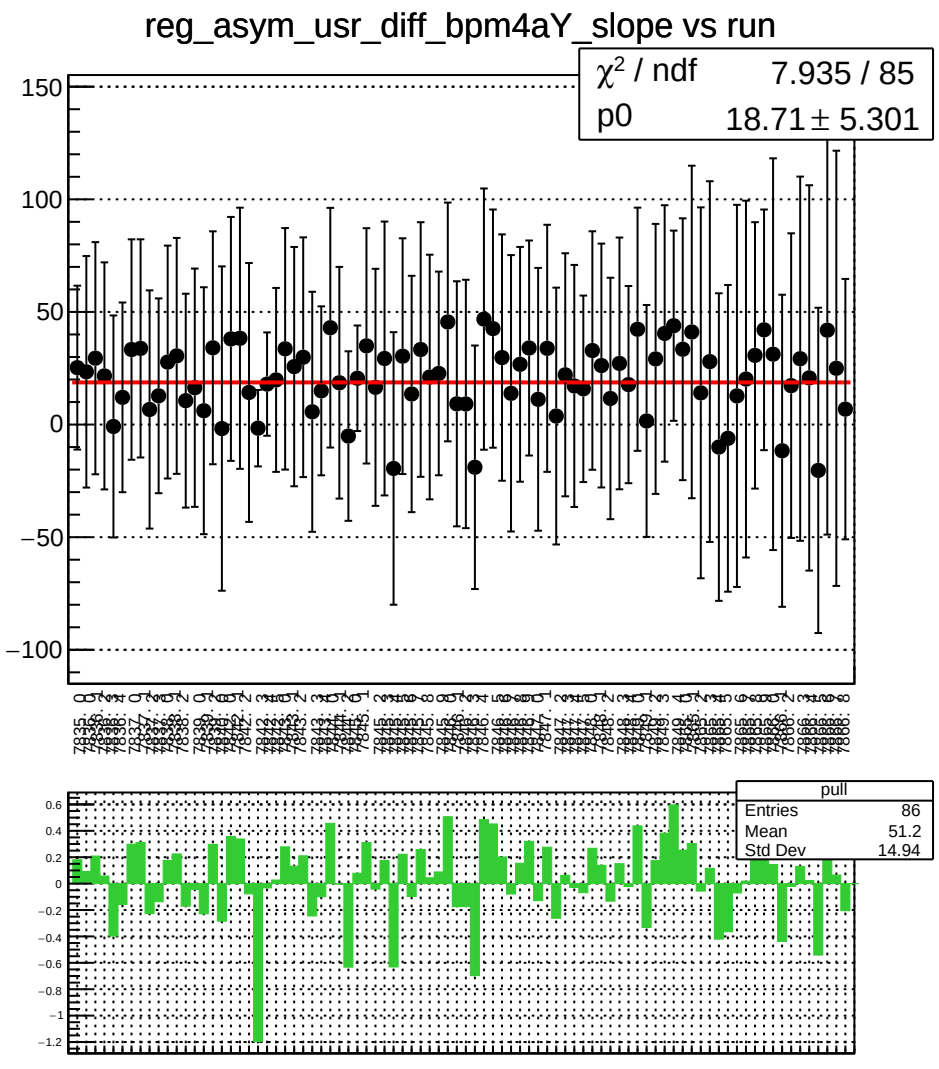

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 27.78 / 85
p0 12.2 ± 3.054
pull
Entries 86
Mean 244
Std Dev 193.8
pull1D
Entries 86
Mean −0.01514
Std Dev 0.5682

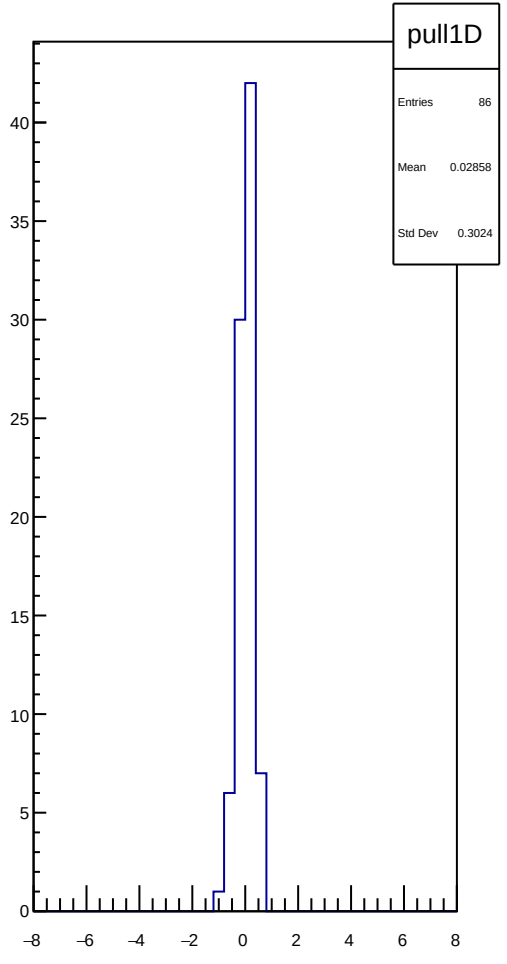

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 684.7 / 85
p0 −42.37 ± 0.08995
pull
Entries 86
Mean 189.4
Std Dev 139.7

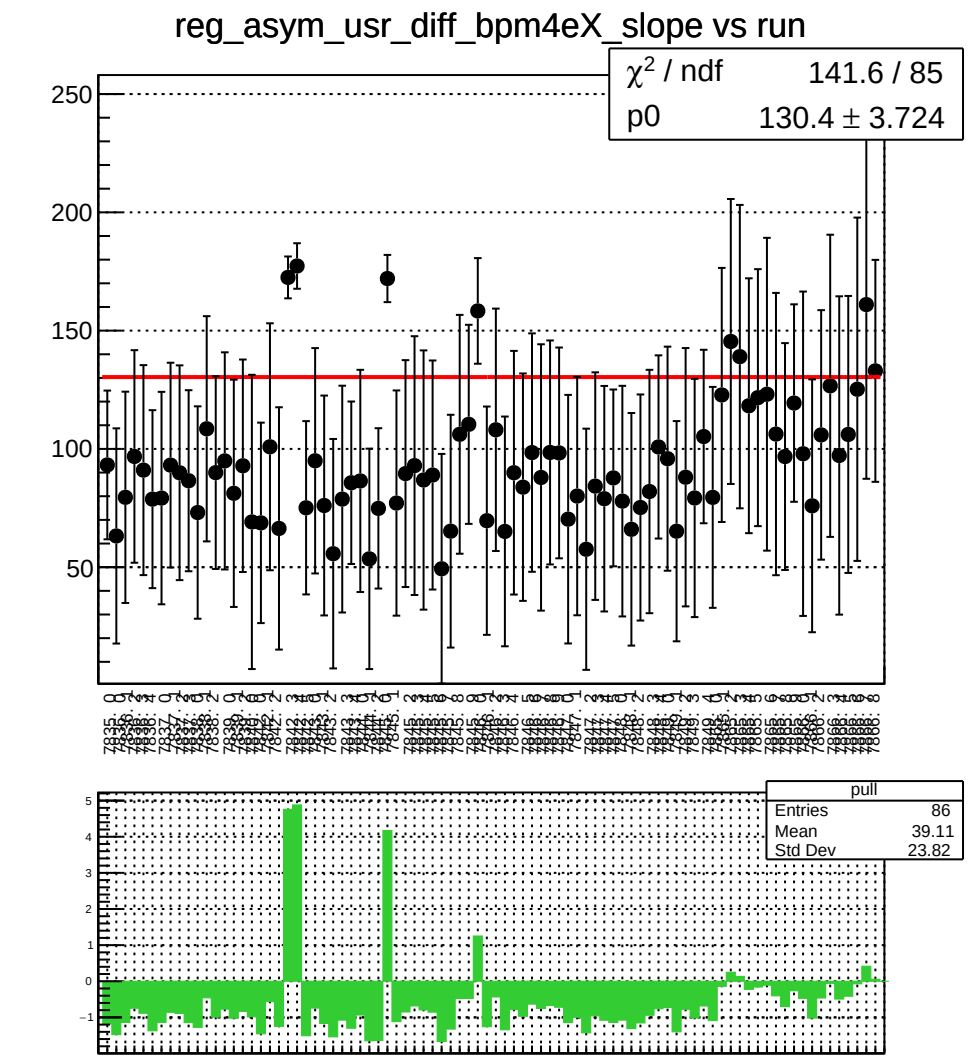

pull1D
Entries 86
Mean −0.4449
Std Dev 2.492

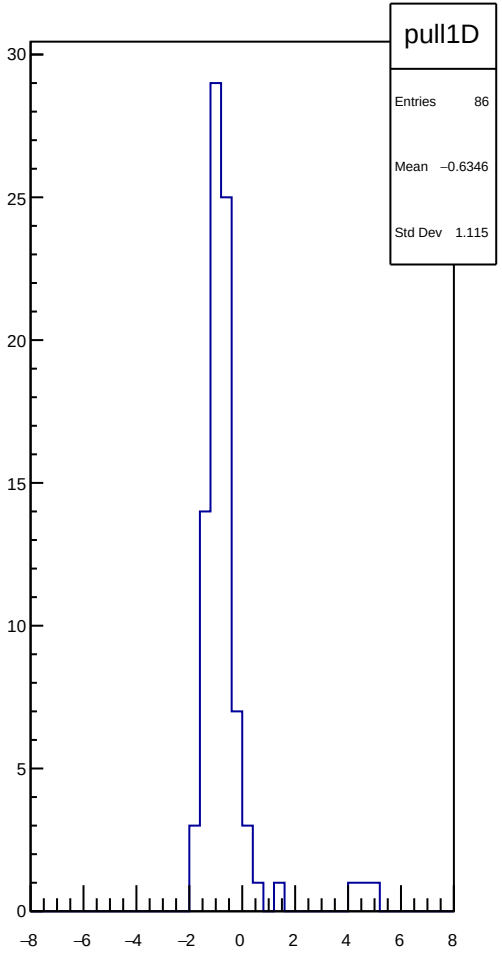

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 115.5 / 85
p0 −65.27 ± 4.332
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 37.81
Std Dev 23.03
1
0
−1
−2
−3
−4
−5

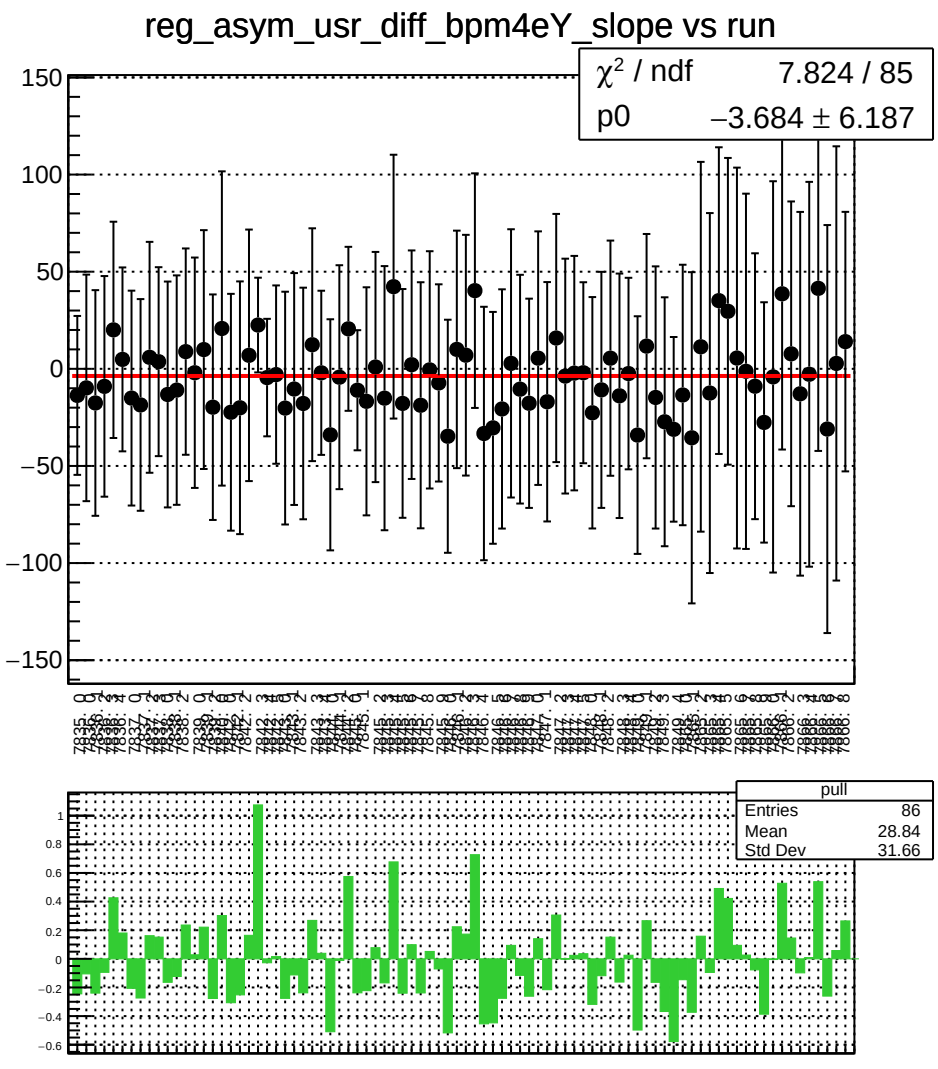

pull1D
Entries 86
Mean 0.4925
Std Dev 1.049
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

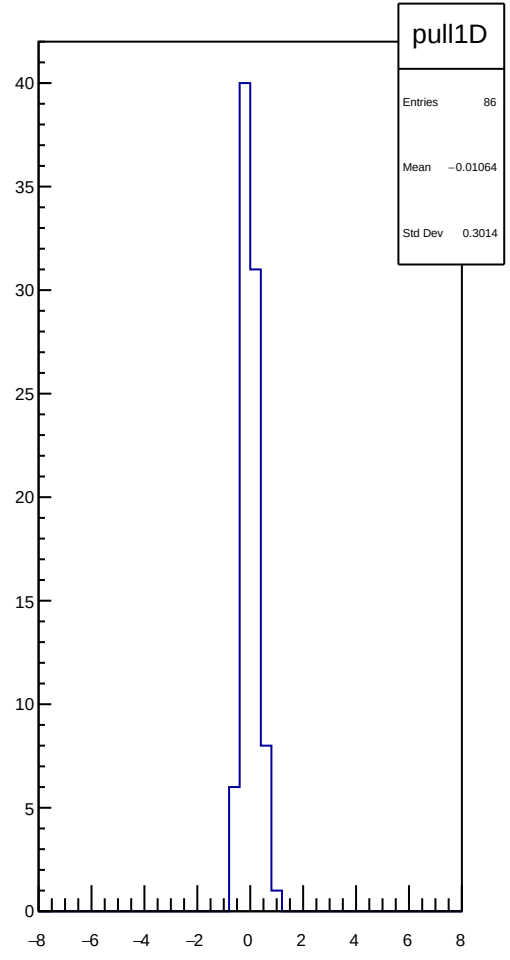

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 7.935 / 85
p0 18.71 ± 5.301
150
100
50
0
−50
−100
pull
Entries 86
Mean 51.2
Std Dev 14.94
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

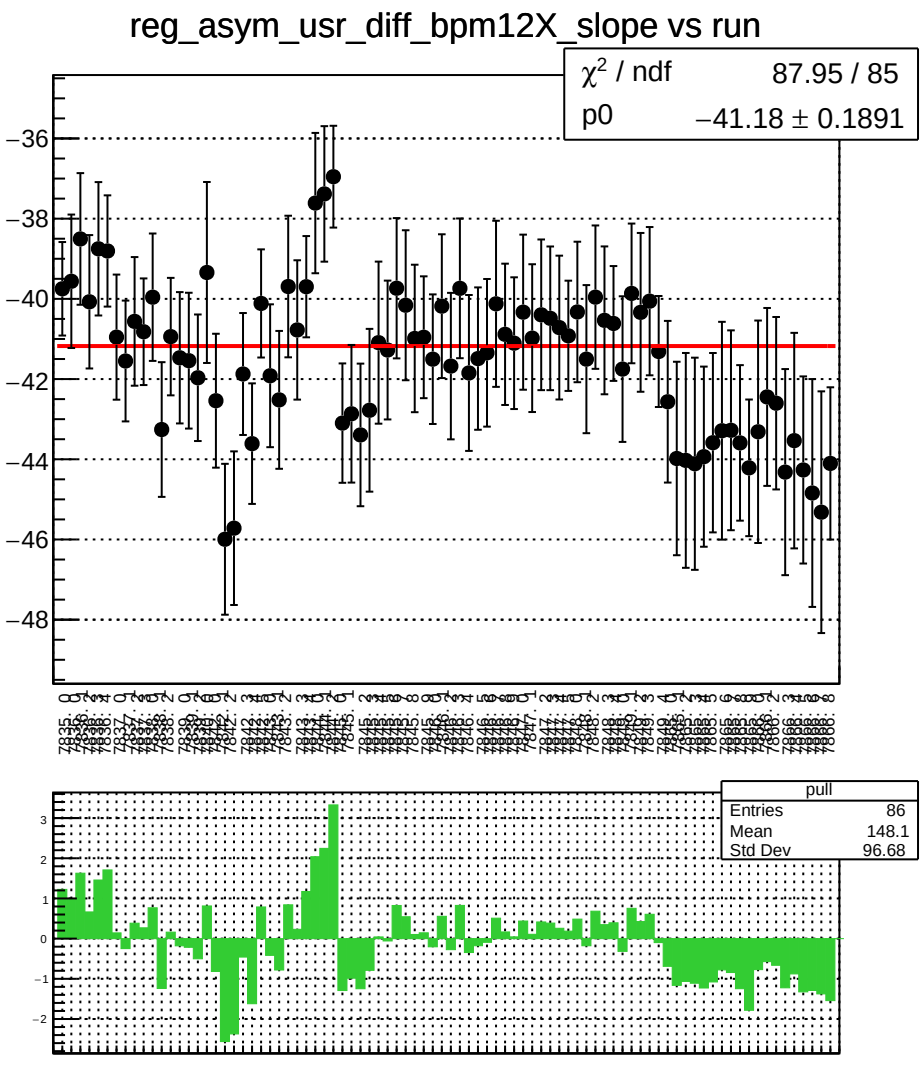

pull1D
Entries 86
Mean 0.02858
Std Dev 0.3024
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

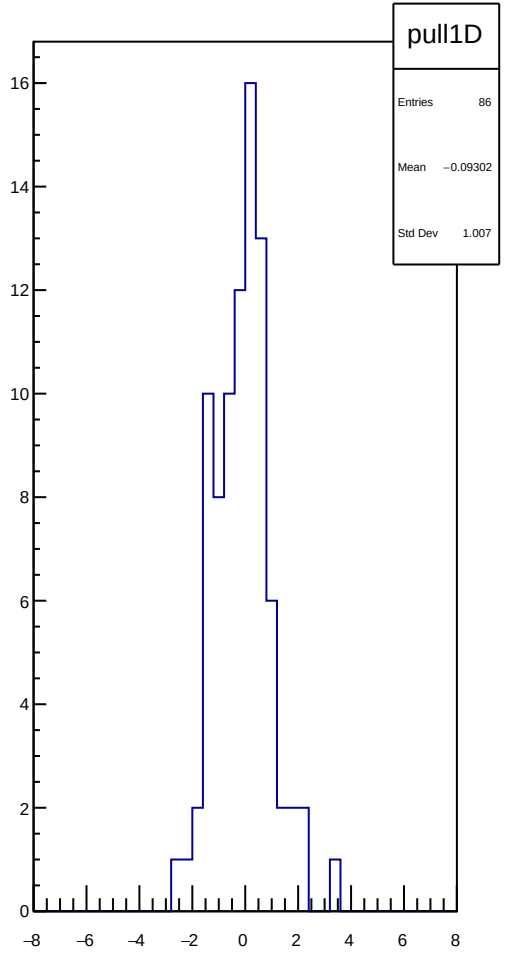

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 141.6 / 85
p0 130.4 ± 3.724
250
200
150
100
50
pull
Entries 86
Mean 39.11
Std Dev 23.82
5
4
3
2
1
0
−1

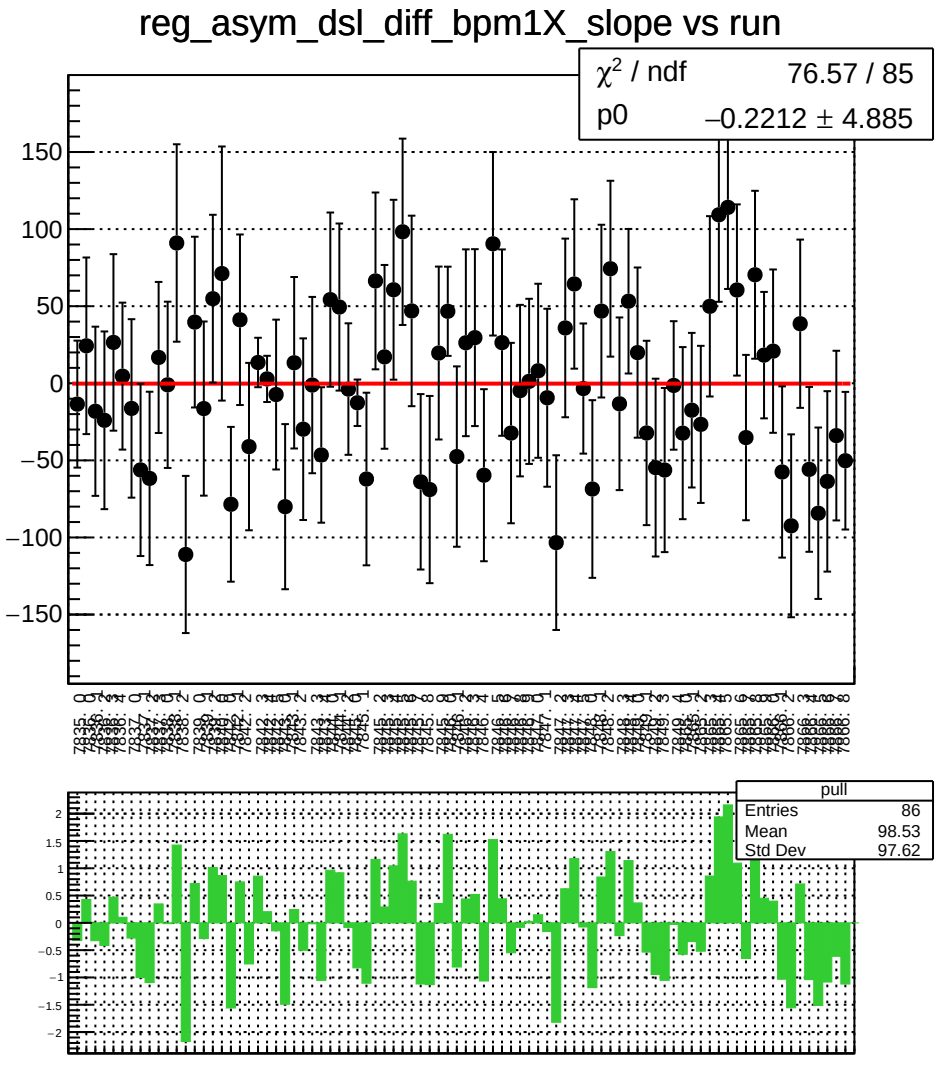

pull1D
Entries 86
Mean −0.6346
Std Dev 1.115
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

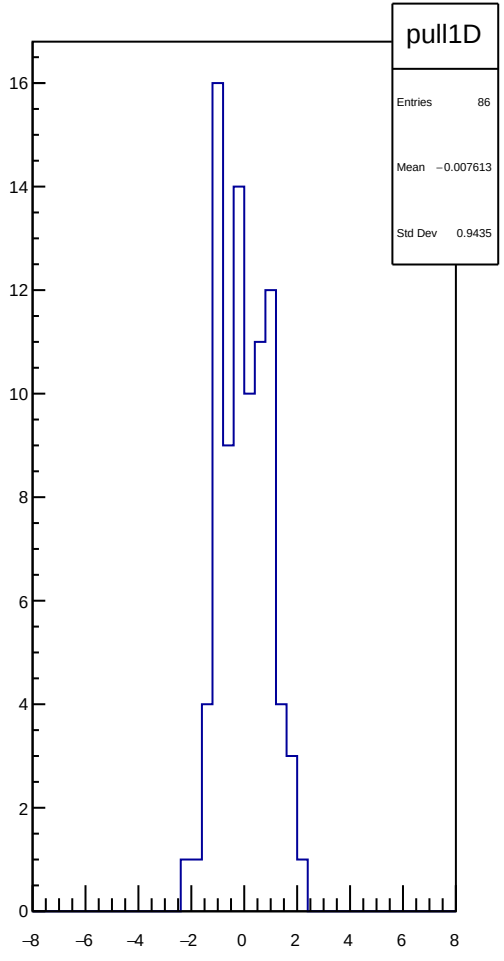

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 7.824 / 85
p0 −3.684 ± 6.187
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 28.84
Std Dev 31.66
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6


pull1D
Entries 86
Mean −0.01064
Std Dev 0.3014
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 87.95 / 85
p0 −41.18 ± 0.1891
−36
−38
−40
−42
−44
−46
−48
pull
Entries 86
Mean 148.1
Std Dev 96.68
3
2
1
0
−1
−2


pull1D
Entries 86
Mean −0.09302
Std Dev 1.007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 76.57 / 85
p0 −0.2212 ± 4.885
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 98.53
Std Dev 97.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 86
Mean −0.007613
Std Dev 0.9435
16
14
12
10
8
6
4
2
0
−8
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−4
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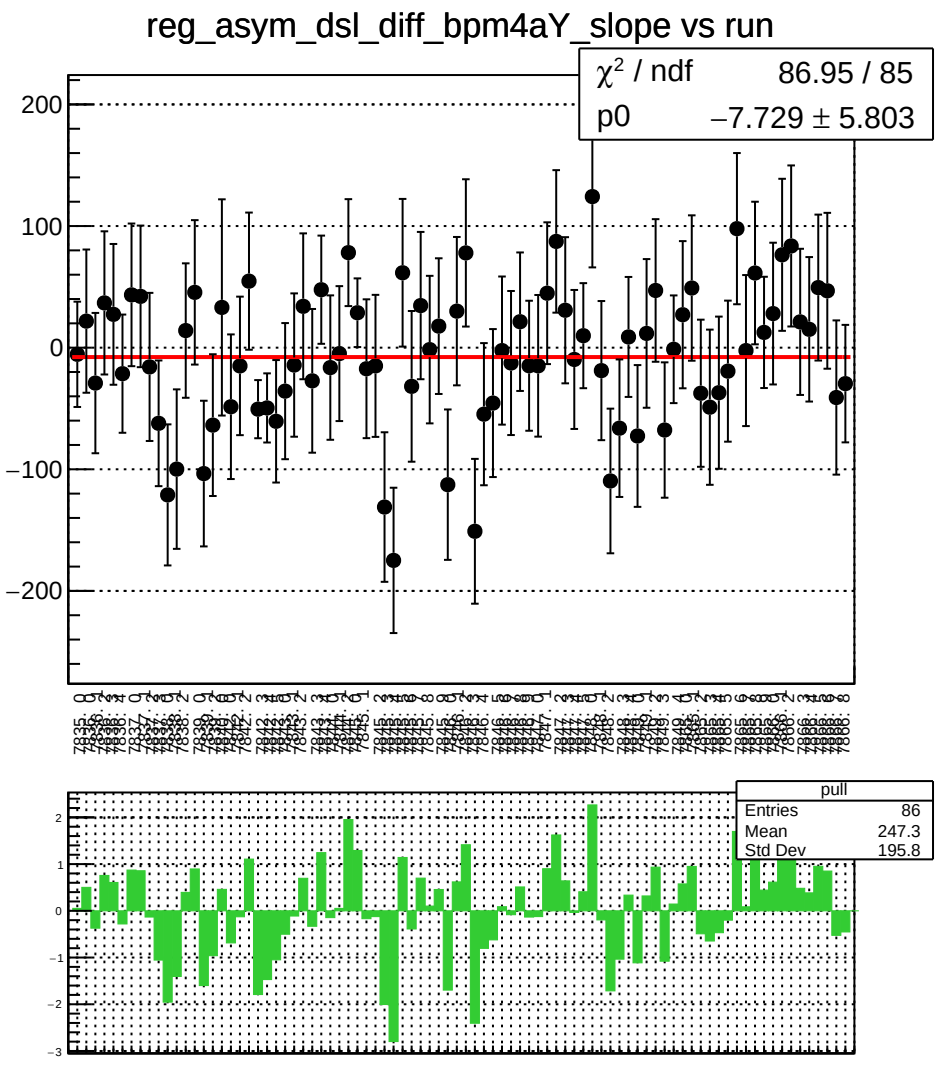
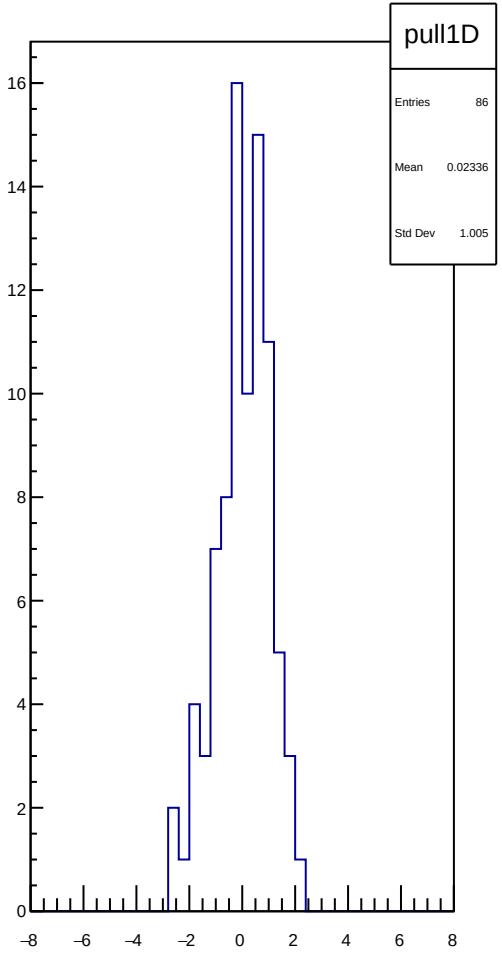
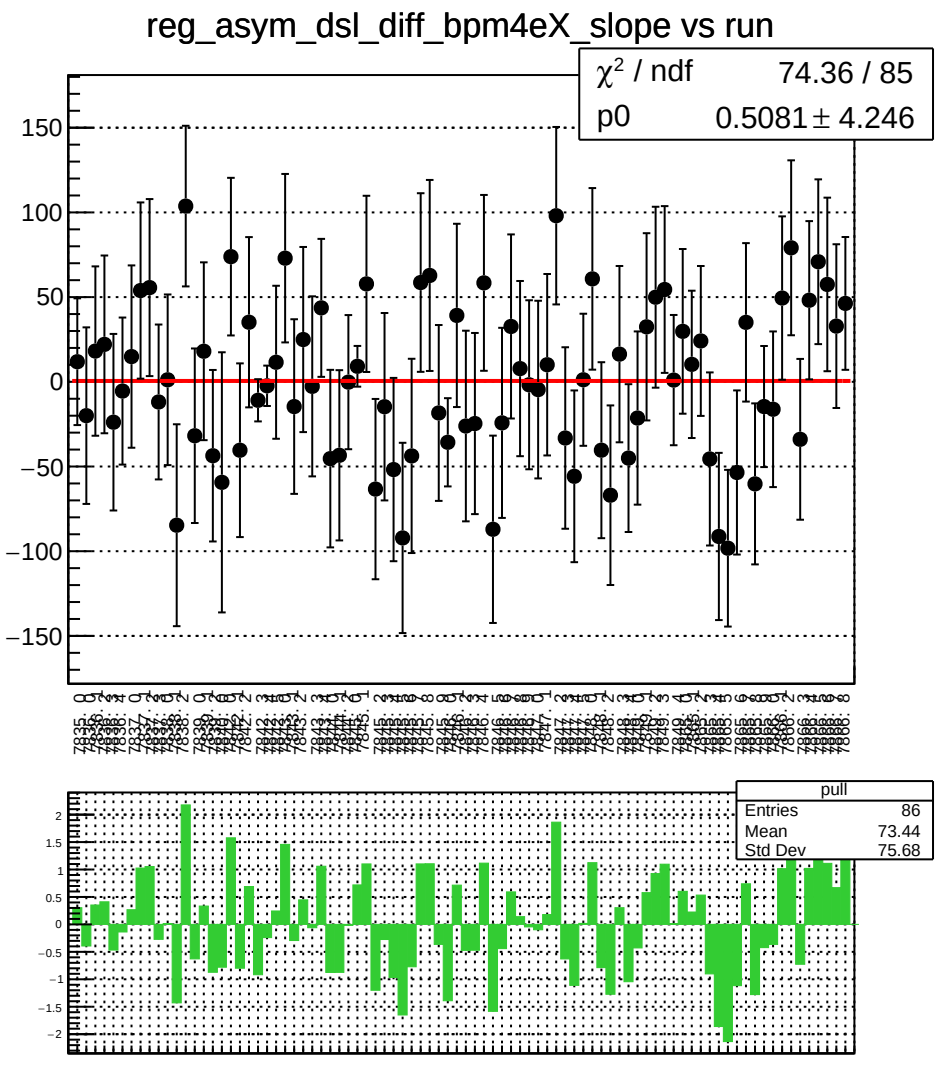
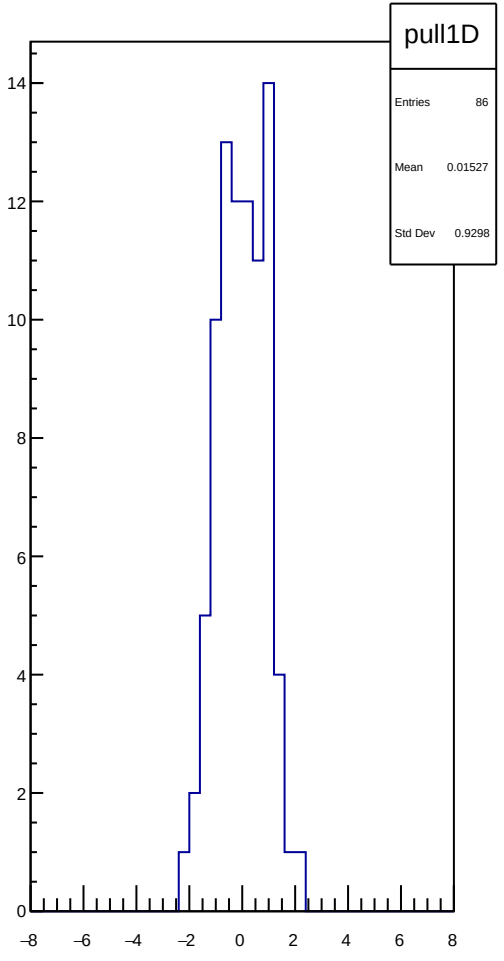
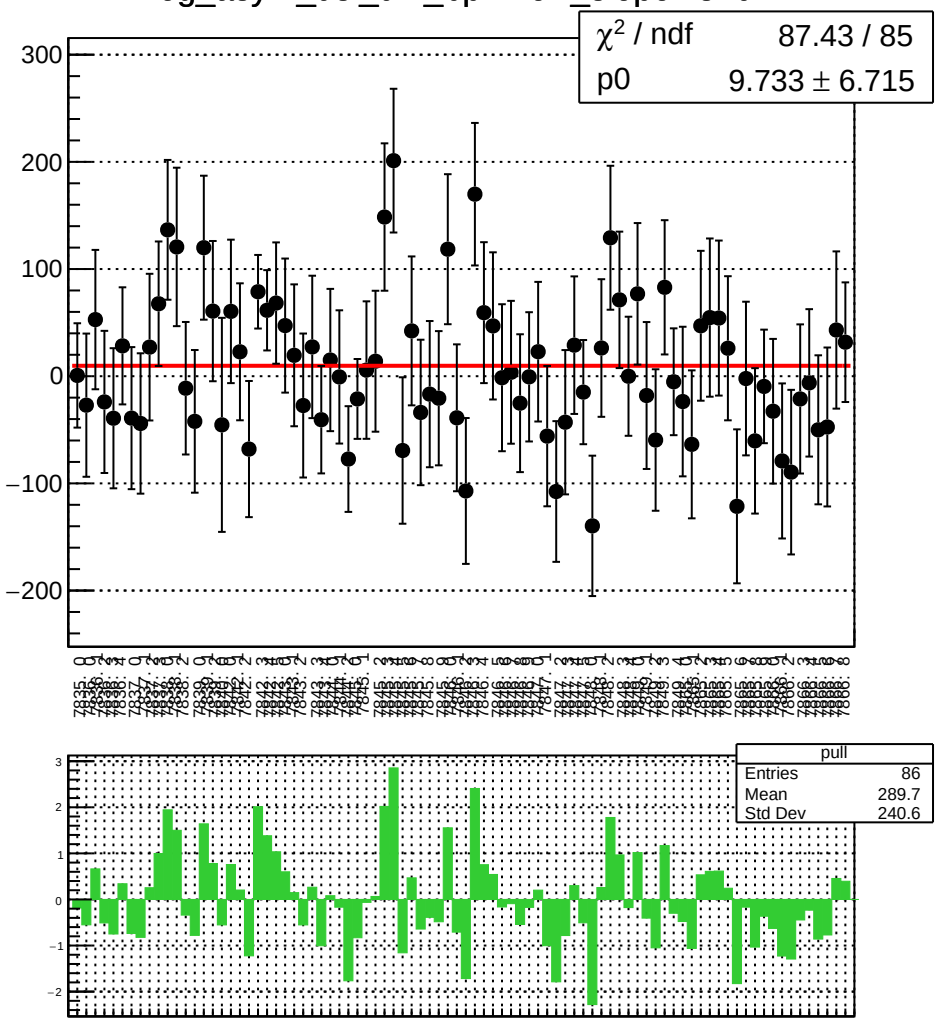
0
2
4
6
8

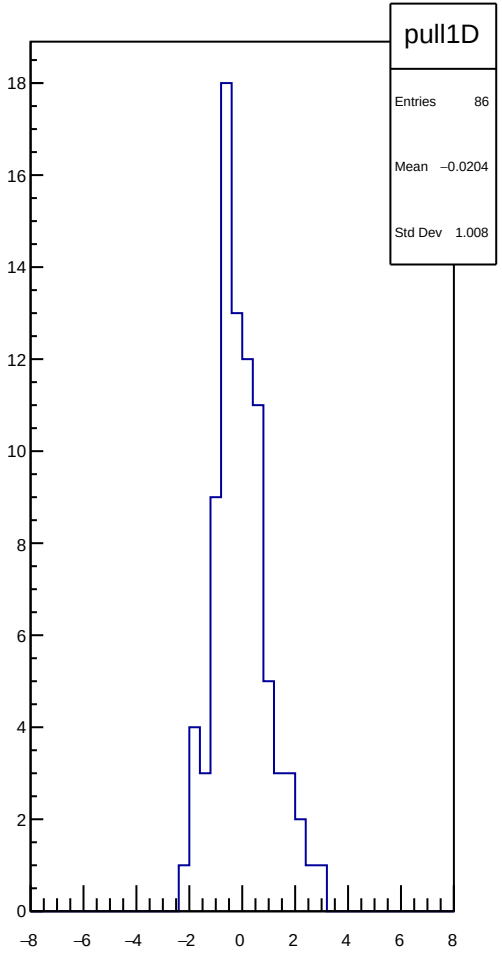

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 86.95 / 85
p0 −7.729 ± 5.803
pull
Entries 86
Mean 247.3
Std Dev 195.8

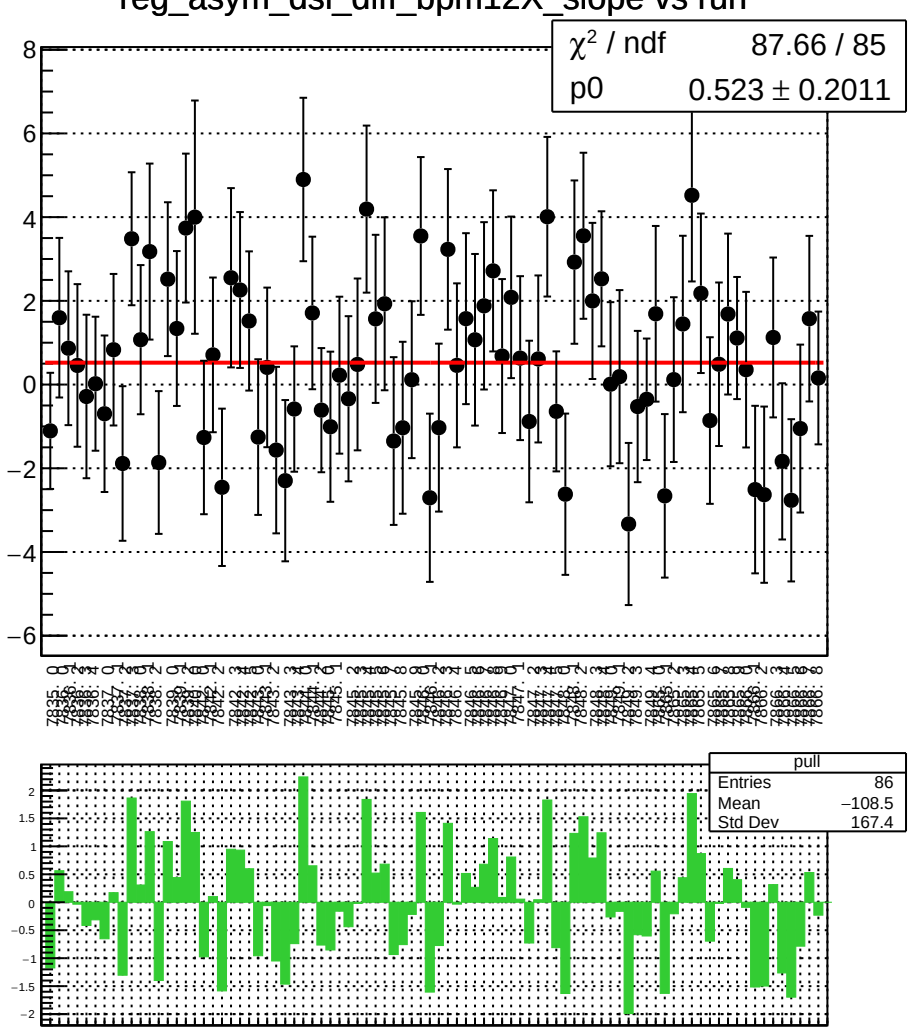

pull1D
Entries 86
Mean 0.02336
Std Dev 1.005

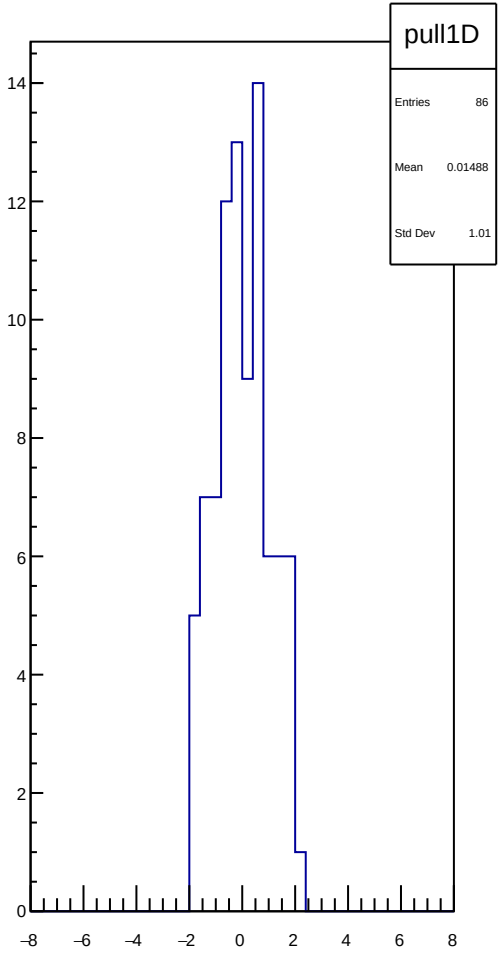

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 74.36 / 85
p0 0.5081 ± 4.246
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 73.44
Std Dev 75.68
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

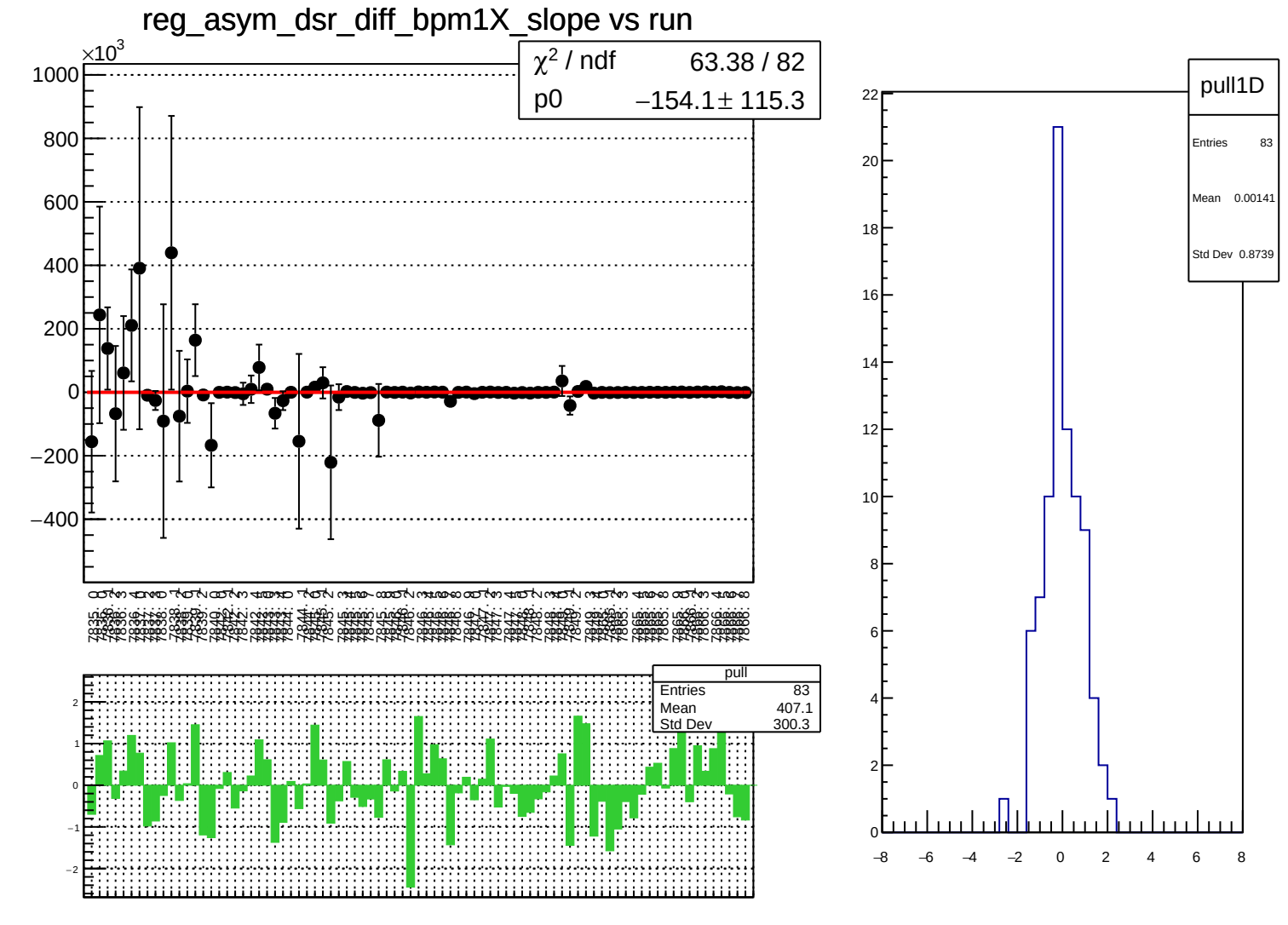

pull1D
Entries 86
Mean 0.01527
Std Dev 0.9298
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

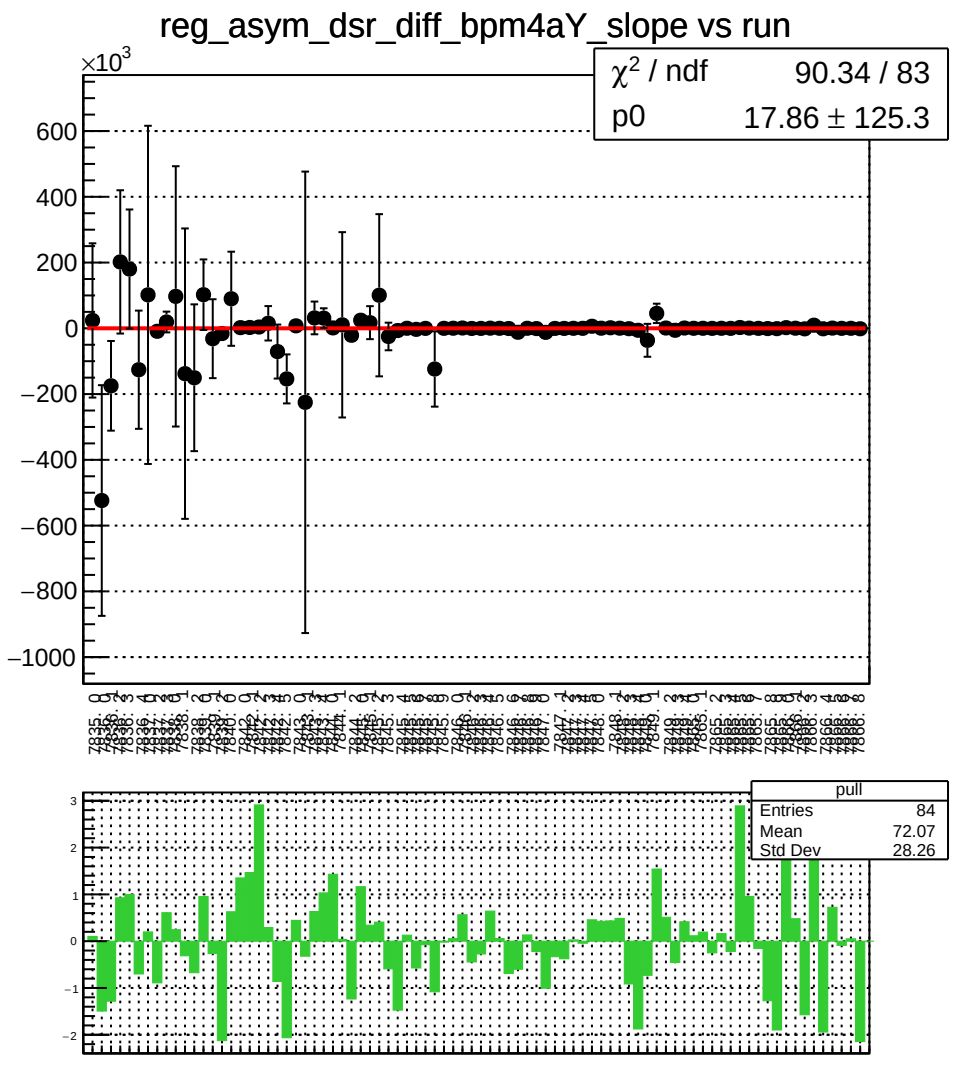

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 87.43 / 85
p0 9.733 ± 6.715
pull
Entries 86
Mean 289.7
Std Dev 240.6

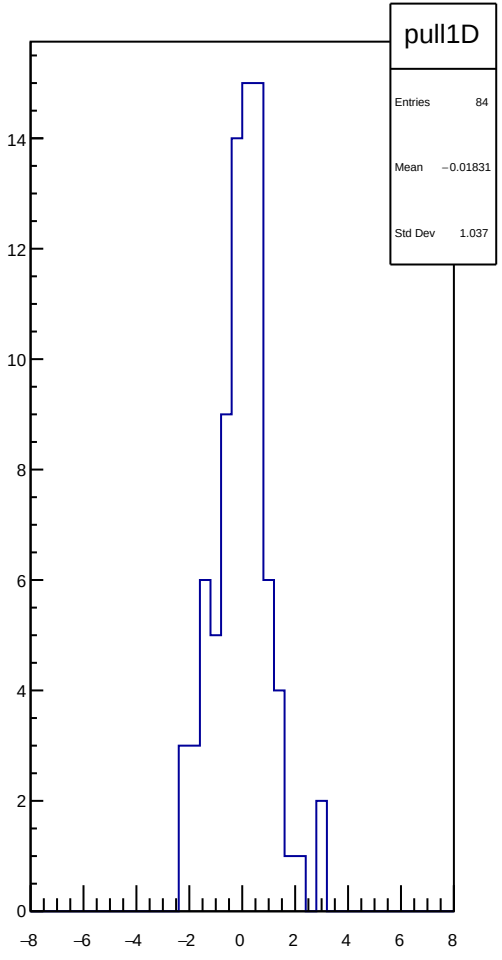

pull1D
Entries 86
Mean −0.0204
Std Dev 1.008

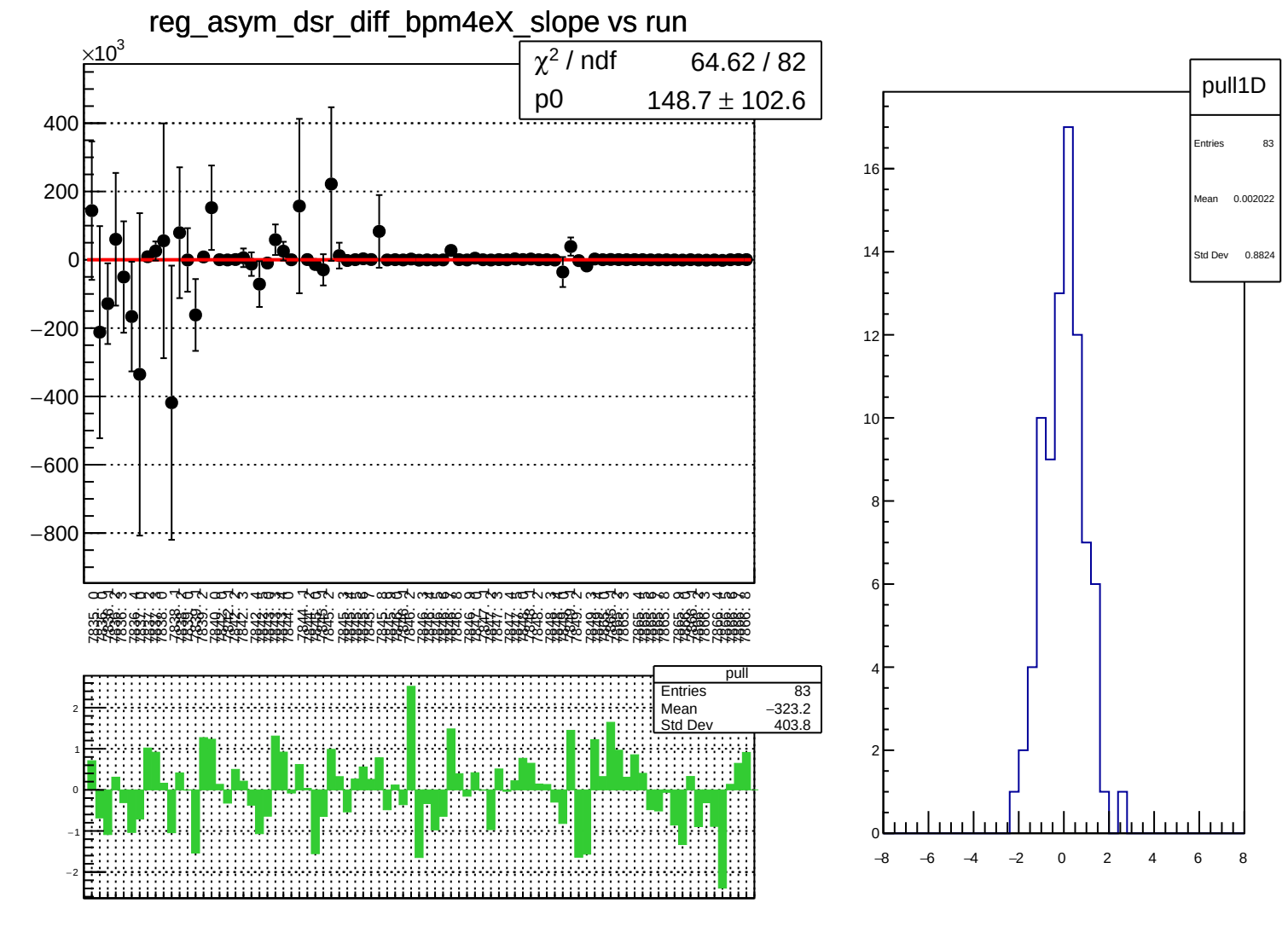

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 87.66 / 85
p0 0.523 ± 0.2011
pull
Entries 86
Mean −108.5
Std Dev 167.4

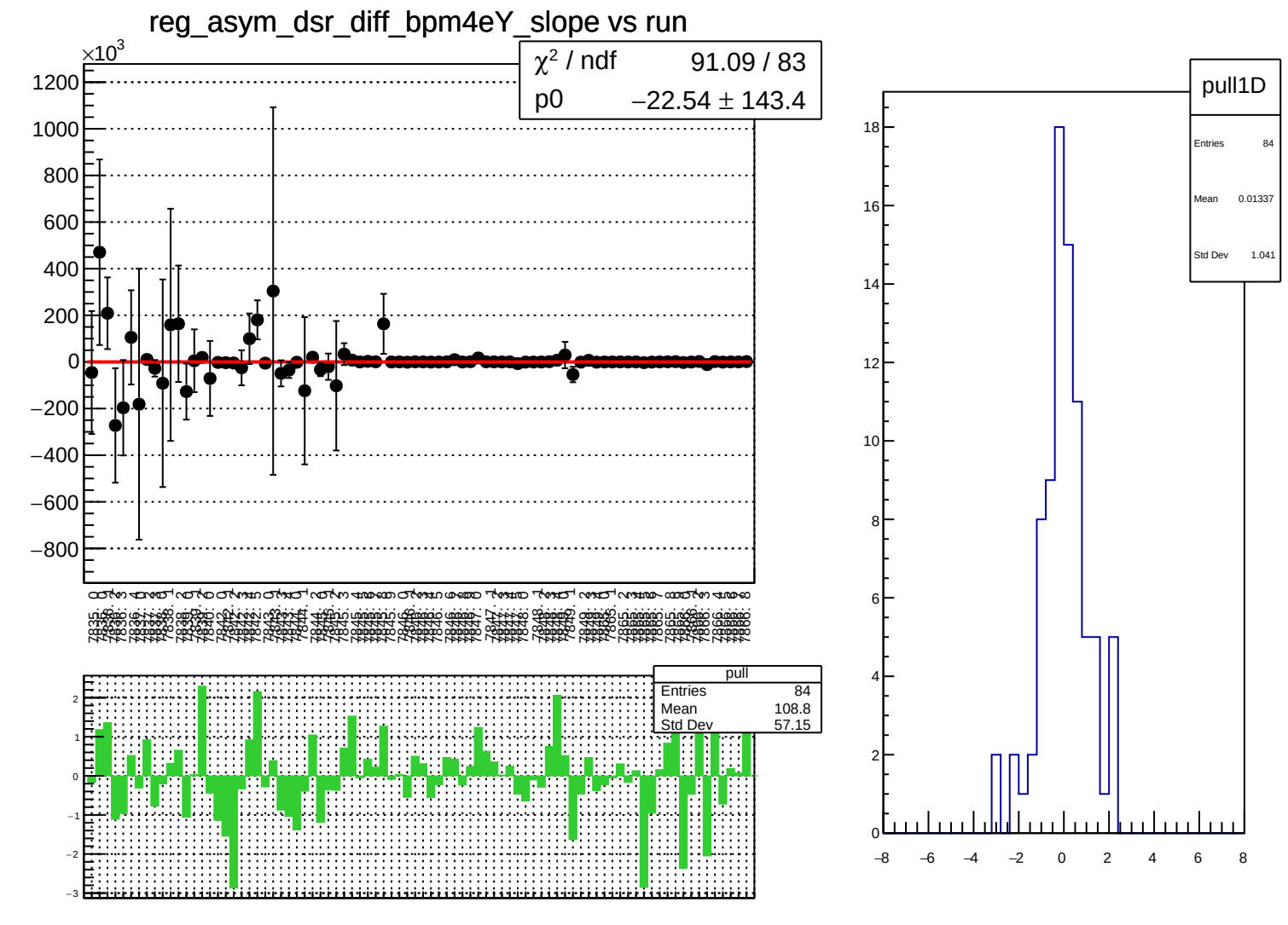

pull1D
Entries 86
Mean 0.01488
Std Dev 1.01

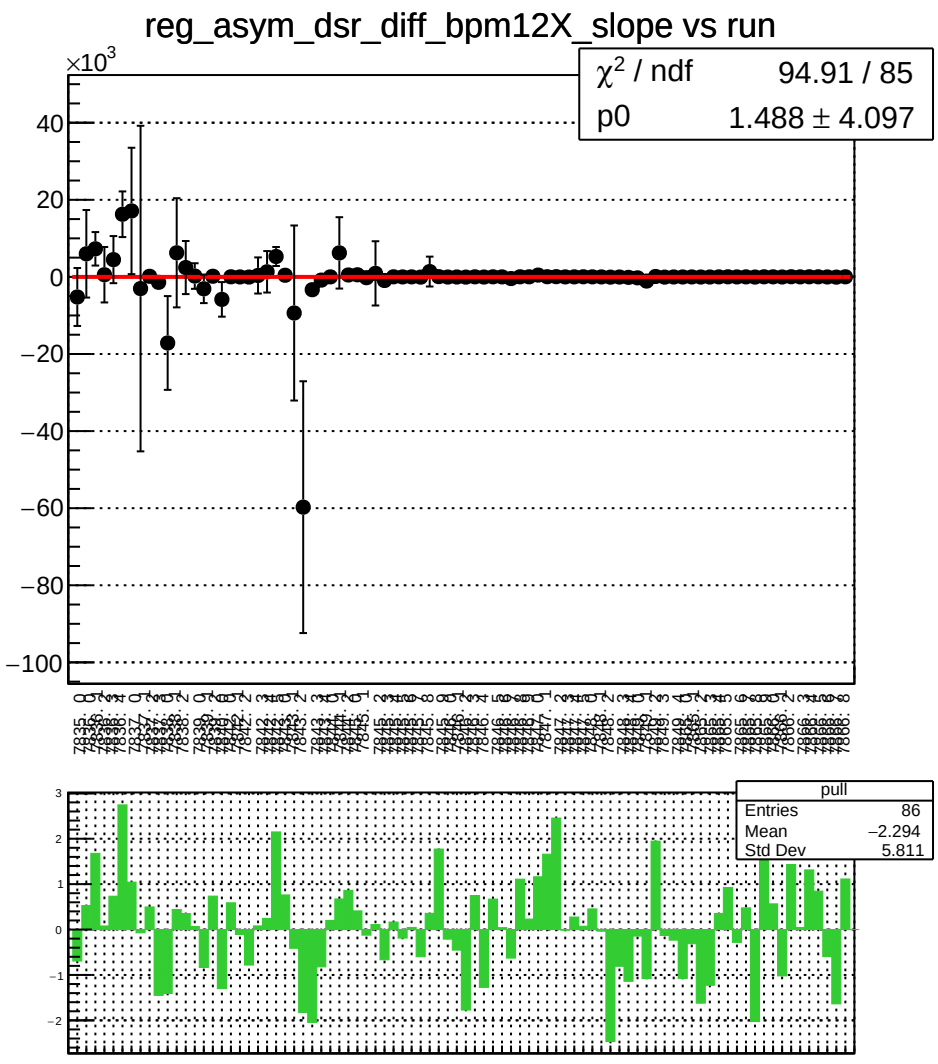

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 63.38 / 82
p0 −154.1± 115.3
pull
Entries 83
Mean 407.1
Std Dev 300.3
pull1D
Entries 83
Mean 0.00141
Std Dev 0.8739

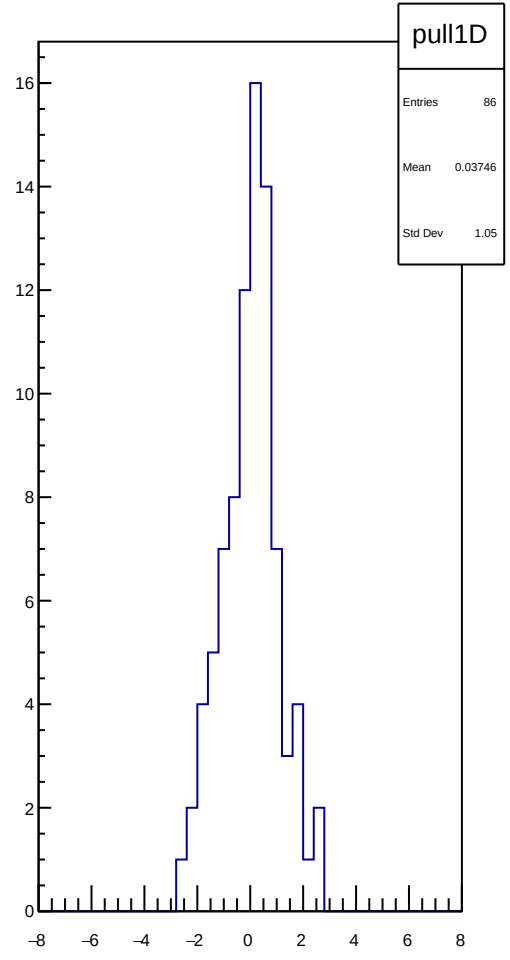

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 90.34 / 83
p0 17.86 ± 125.3
pull
Entries 84
Mean 72.07
Std Dev 28.26

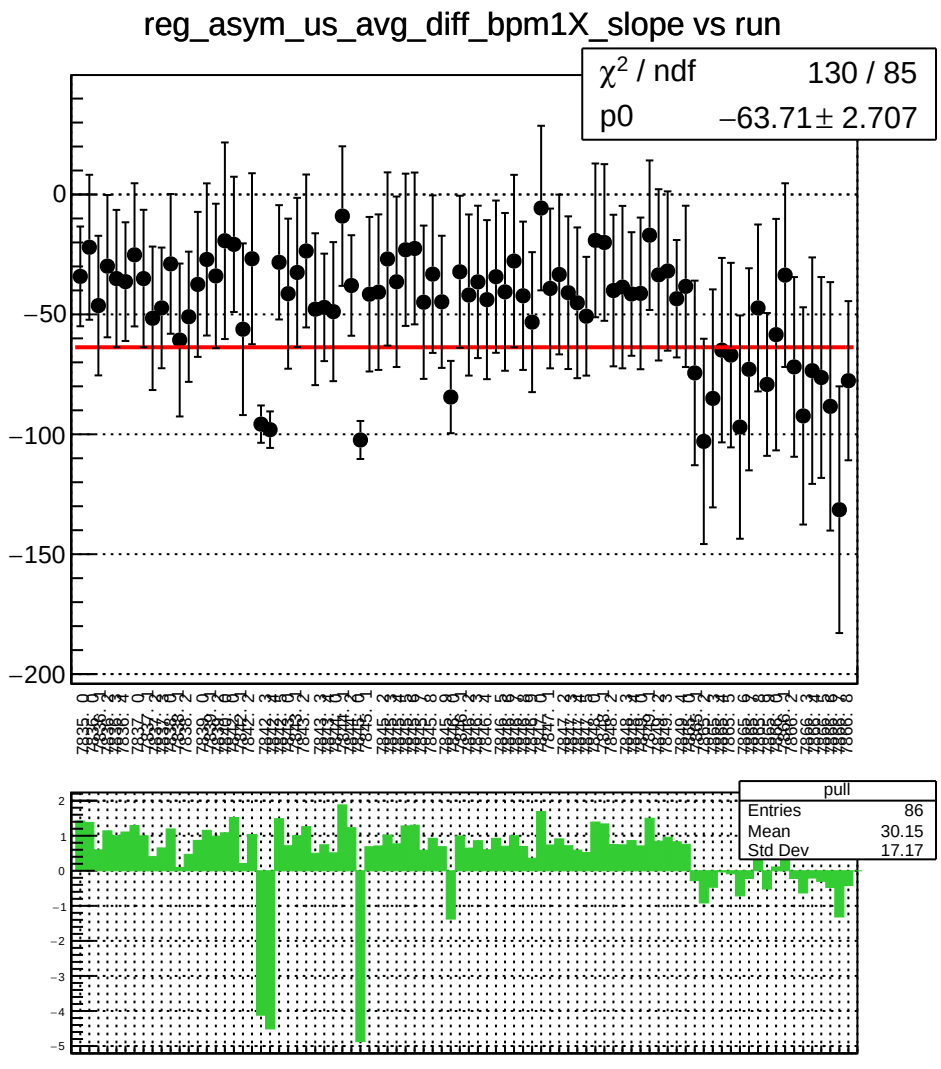

pull1D
Entries 84
Mean −0.01831
Std Dev 1.037

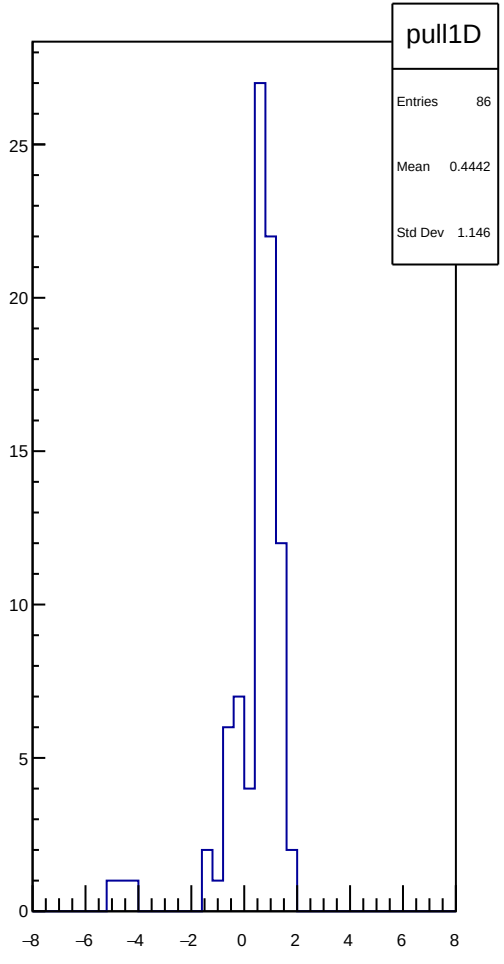

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 64.62 / 82
p0 148.7 ± 102.6
pull
Entries 83
Mean −323.2
Std Dev 403.8
pull1D
Entries 83
Mean 0.002022
Std Dev 0.8824

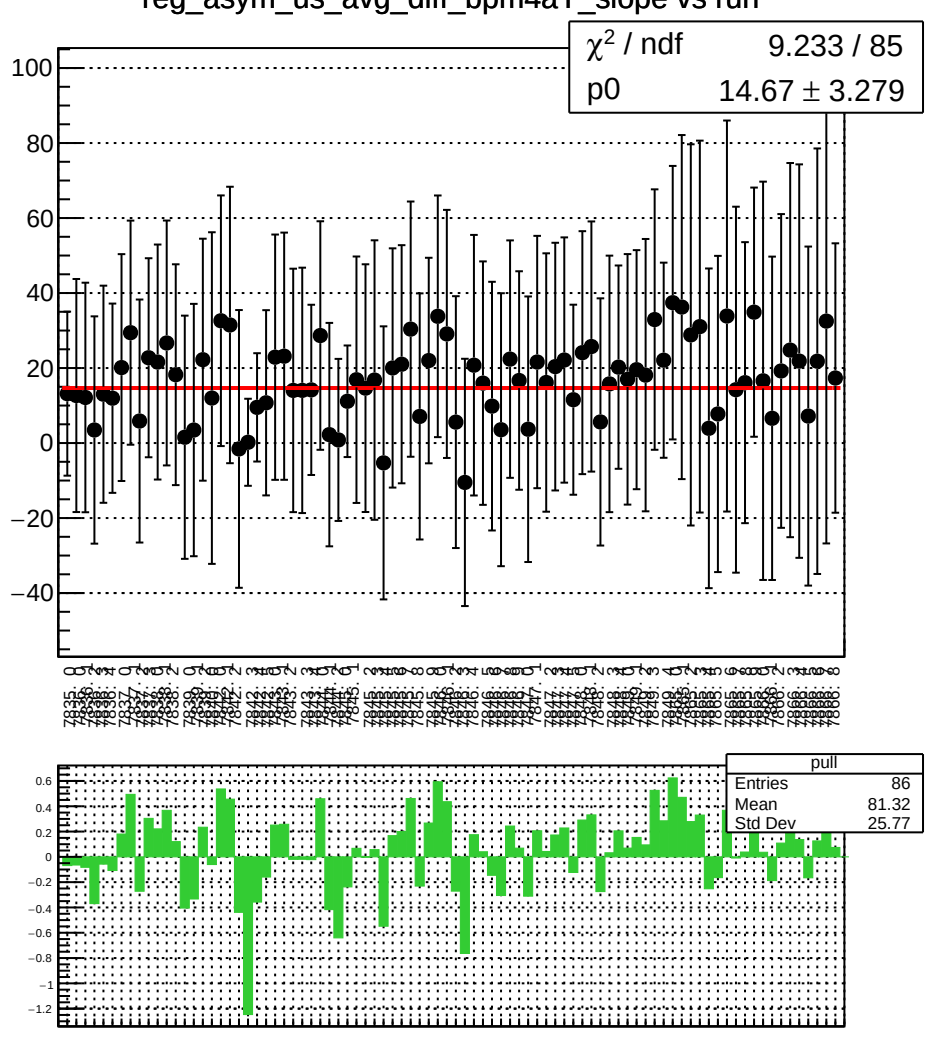

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 91.09 / 83
p0 −22.54 ± 143.4
pull
Entries 84
Mean 108.8
Std Dev 57.15
pull1D
Entries 84
Mean 0.01337
Std Dev 1.041

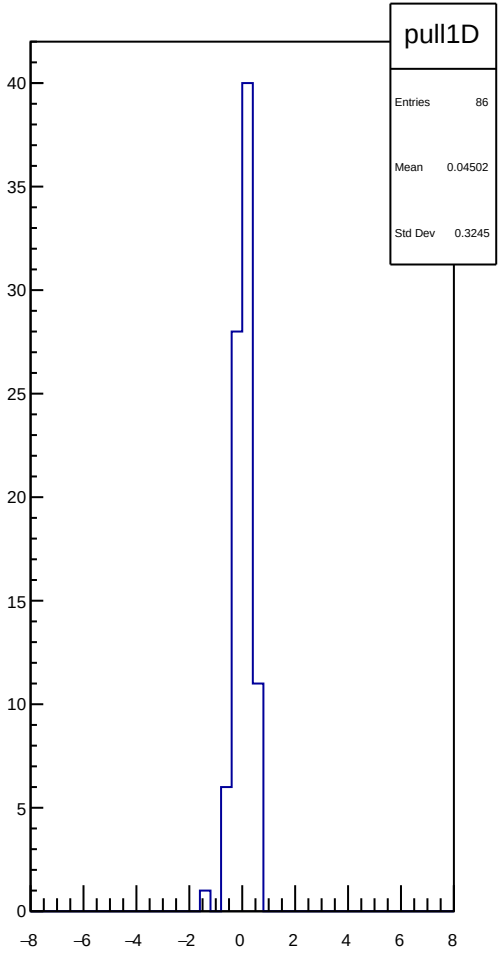

reg_asym_dsr_diff_bpm12X_slope vs run
×10^3
χ² / ndf 94.91 / 85
p0 1.488 ± 4.097
pull
Entries 86
Mean −2.294
Std Dev 5.811

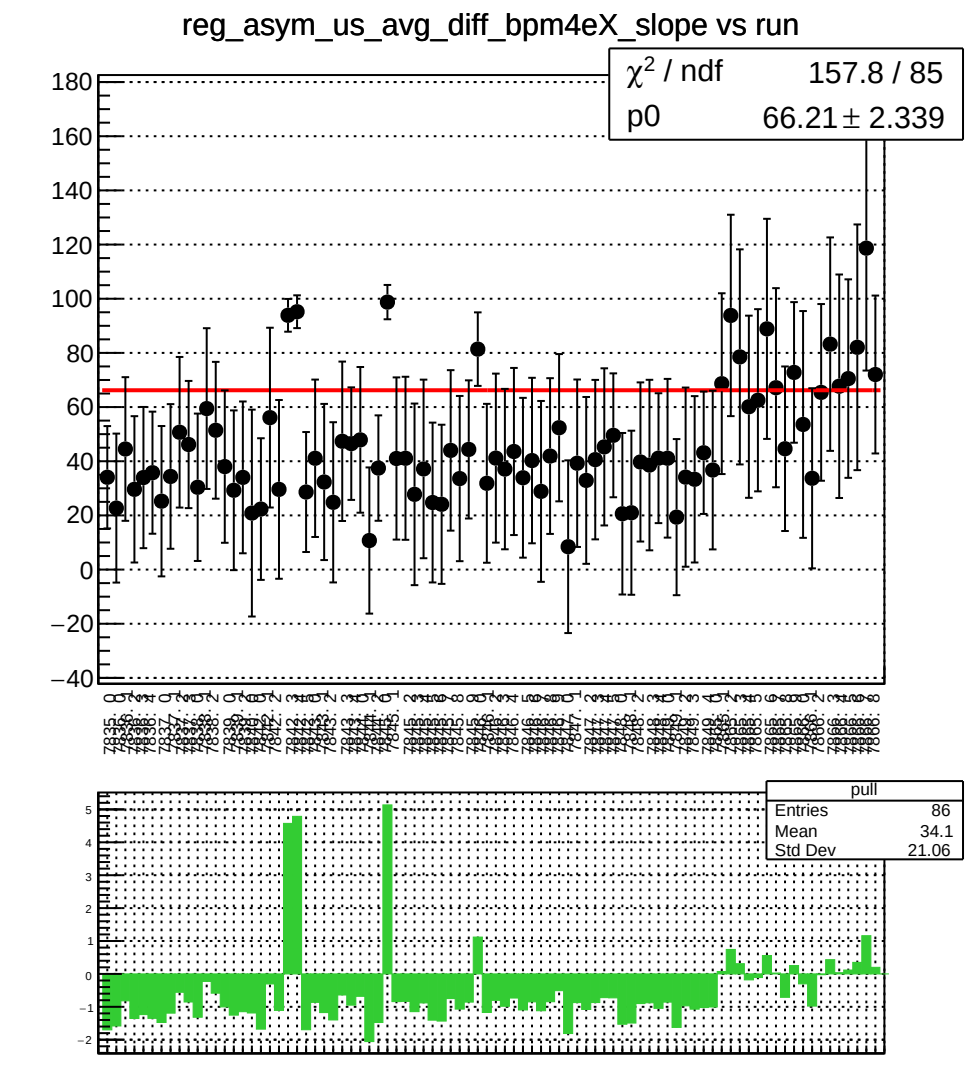

pull1D
Entries 86
Mean 0.03746
Std Dev 1.05

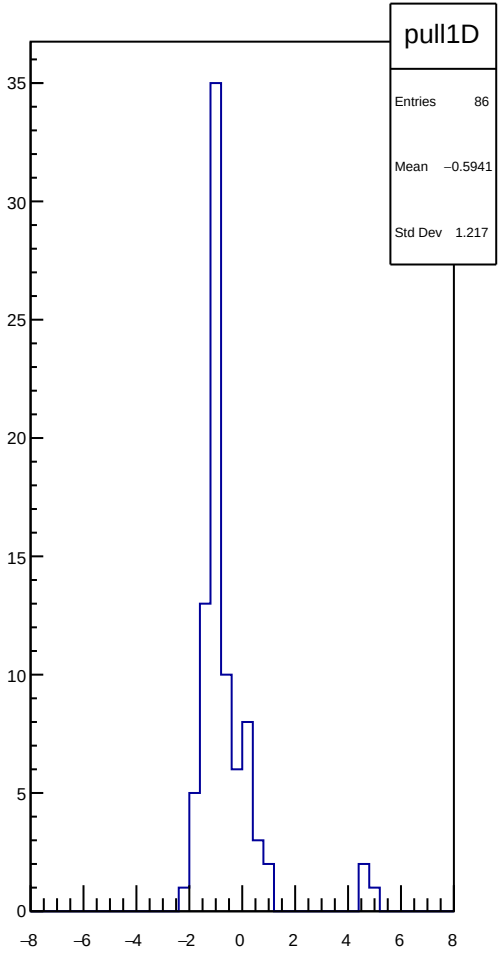

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 130 / 85
p0 −63.71± 2.707
pull
Entries 86
Mean 30.15
Std Dev 17.17

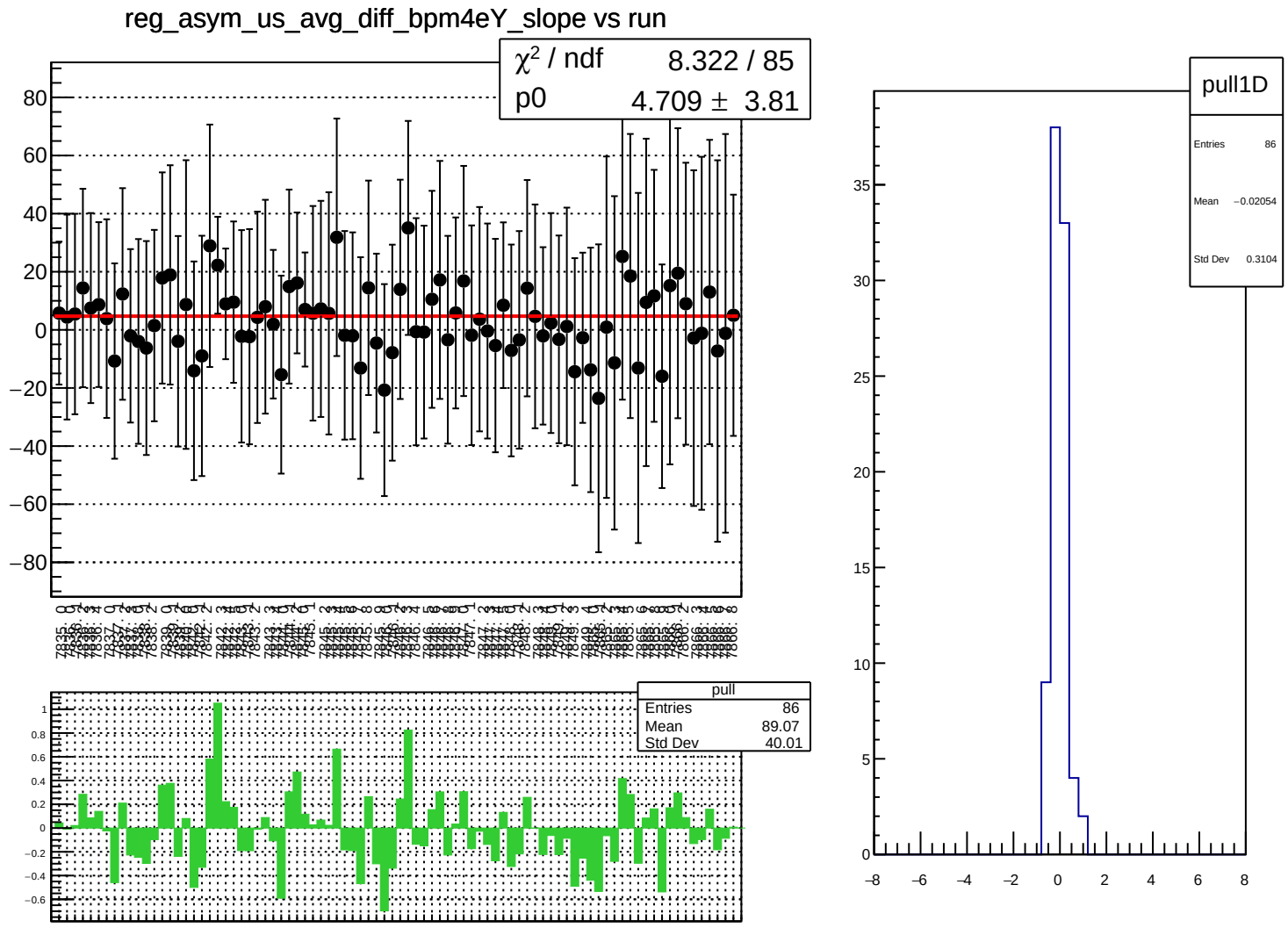

pull1D
Entries 86
Mean 0.4442
Std Dev 1.146

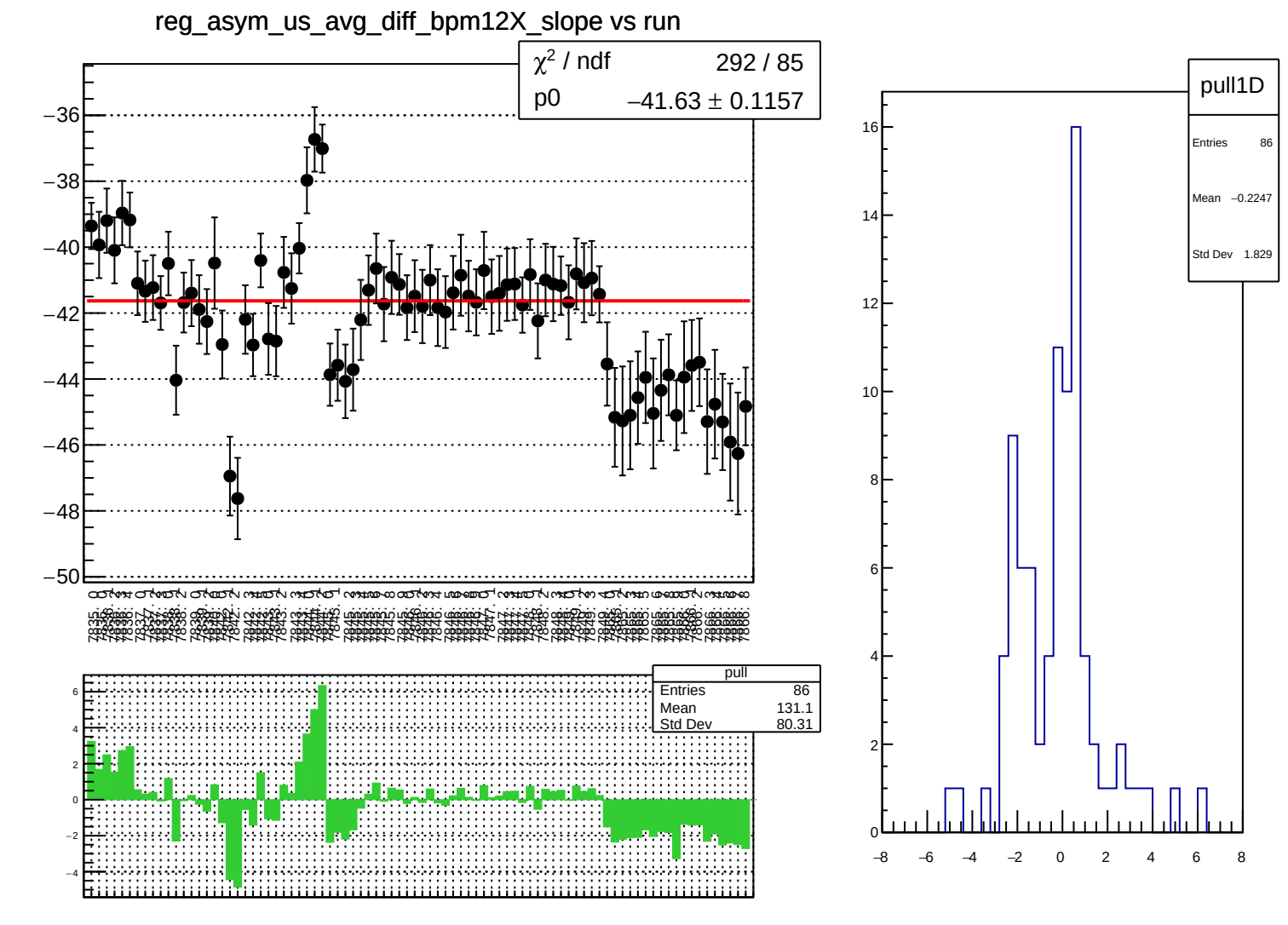

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.233 / 85
p0 14.67 ± 3.279
pull
Entries 86
Mean 81.32
Std Dev 25.77

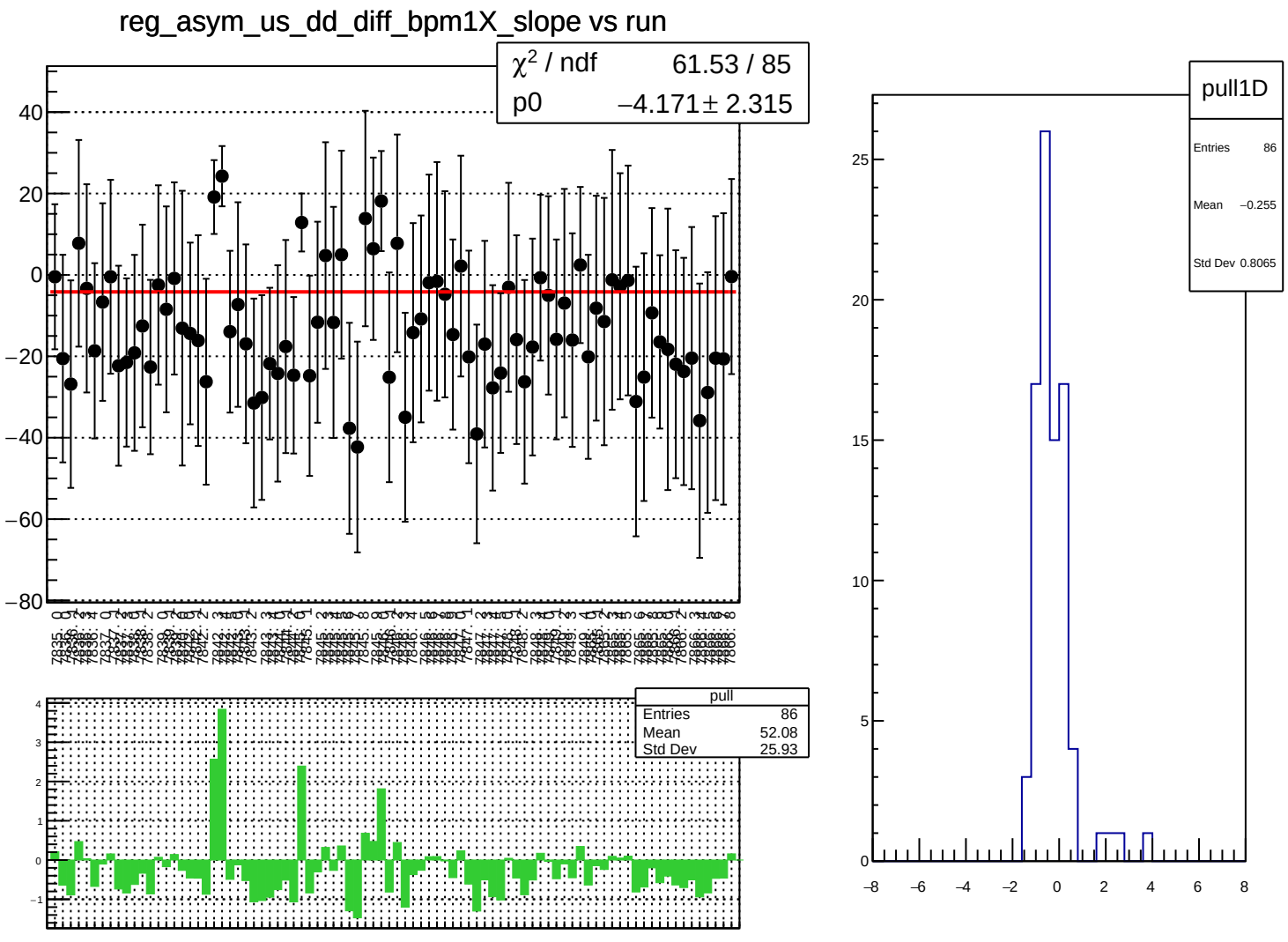

pull1D
Entries 86
Mean 0.04502
Std Dev 0.3245

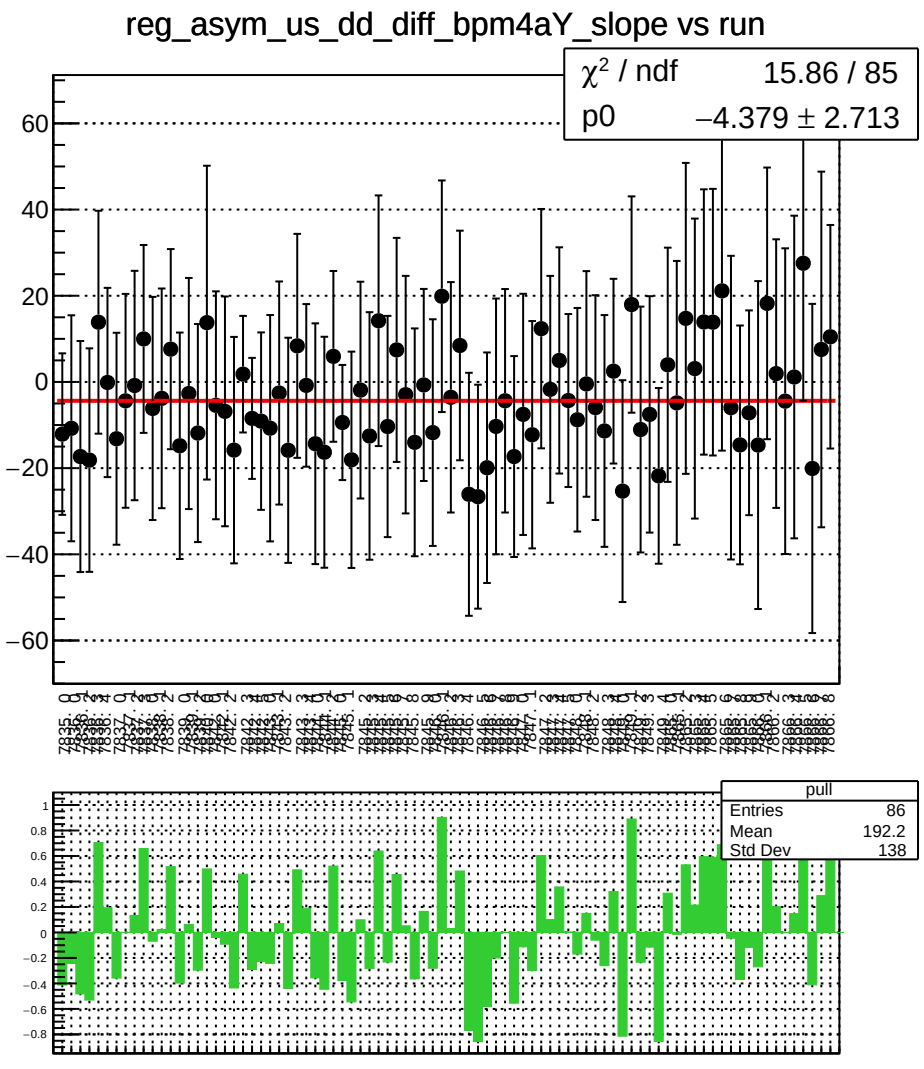

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 157.8 / 85
p0 66.21 ± 2.339
pull
Entries 86
Mean 34.1
Std Dev 21.06

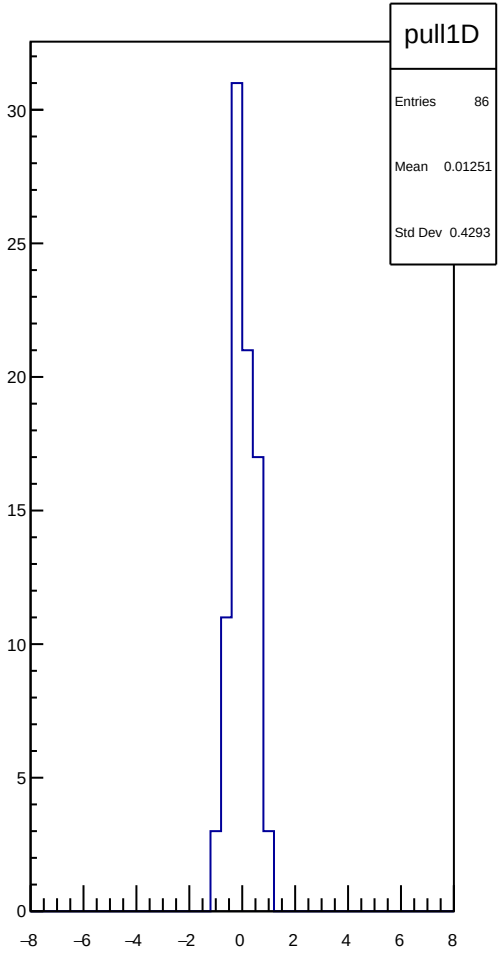

pull1D
Entries 86
Mean −0.5941
Std Dev 1.217

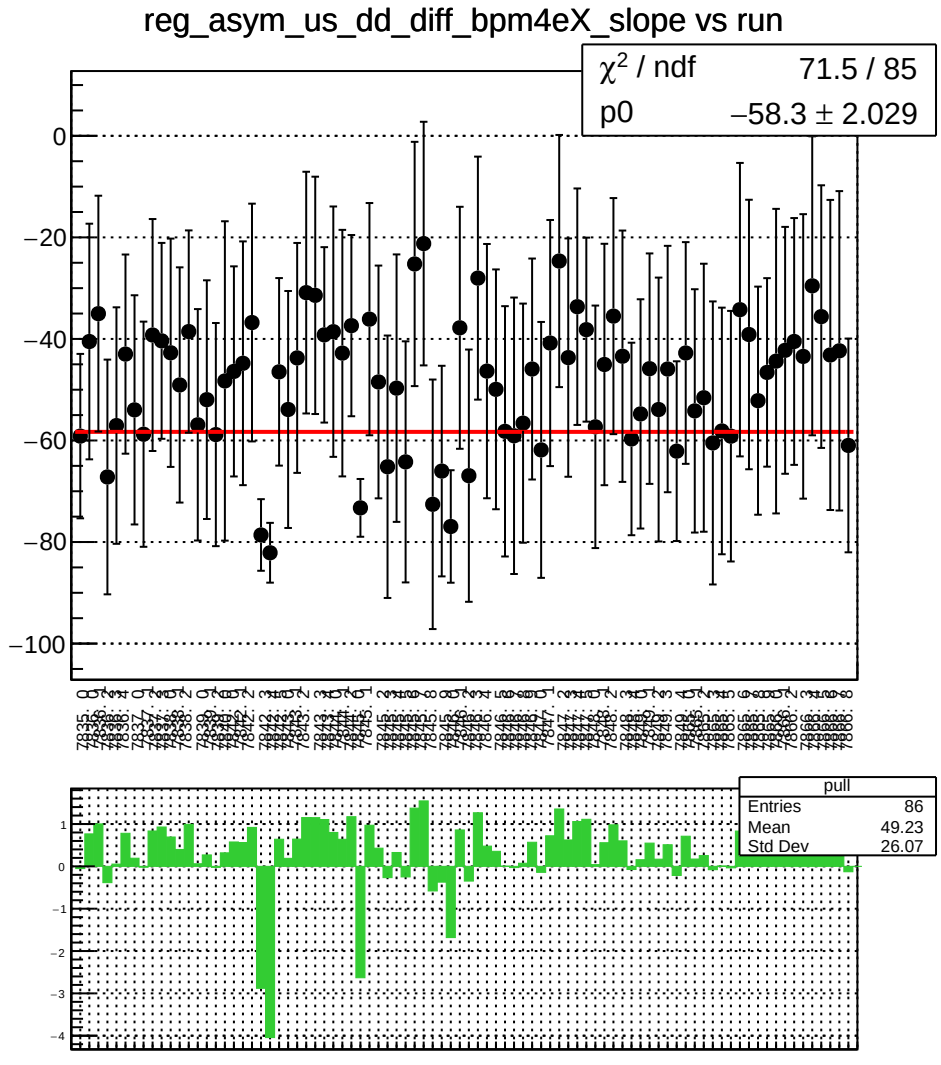

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.322 / 85
p0 4.709 ± 3.81
pull
Entries 86
Mean 89.07
Std Dev 40.01
pull1D
Entries 86
Mean −0.02054
Std Dev 0.3104

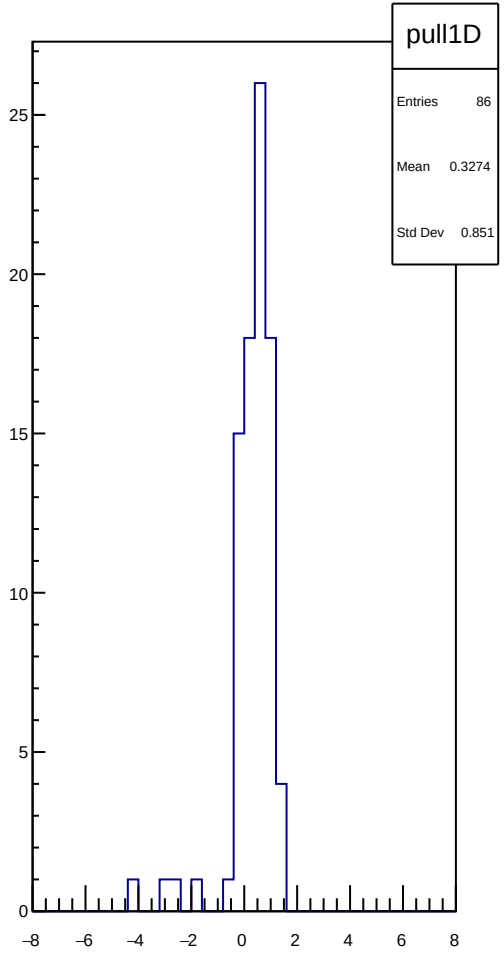

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 292 / 85
p0 −41.63 ± 0.1157
pull
Entries 86
Mean 131.1
Std Dev 80.31
pull1D
Entries 86
Mean −0.2247
Std Dev 1.829

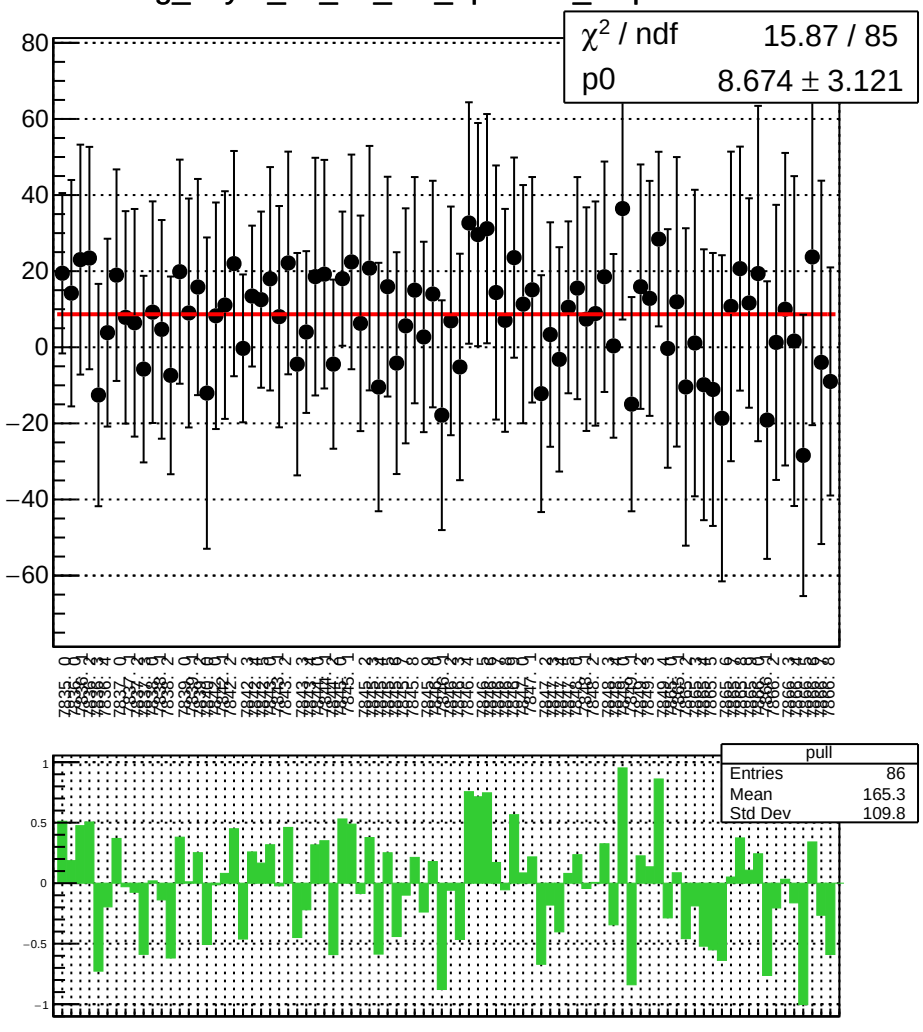

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 61.53 / 85
p0 −4.171 ± 2.315
pull
Entries 86
Mean 52.08
Std Dev 25.93
pull1D
Entries 86
Mean −0.255
Std Dev 0.8065

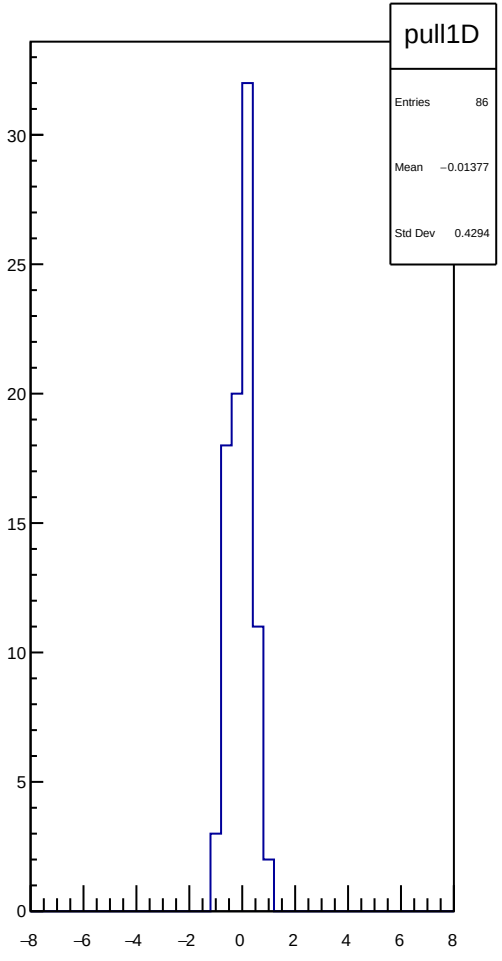

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.86 / 85
p0 −4.379 ± 2.713
pull
Entries 86
Mean 192.2
Std Dev 138

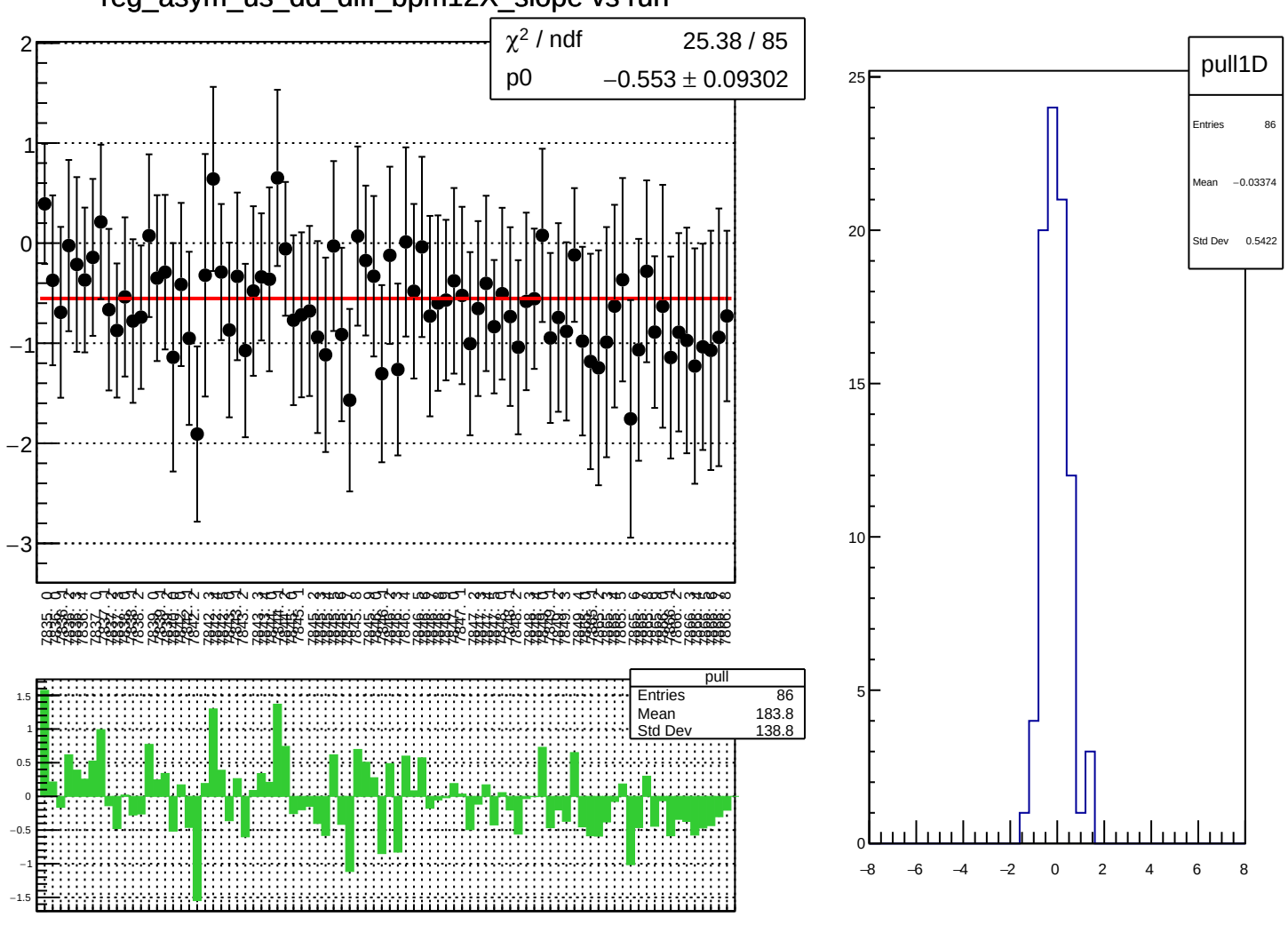

pull1D
Entries 86
Mean 0.01251
Std Dev 0.4293

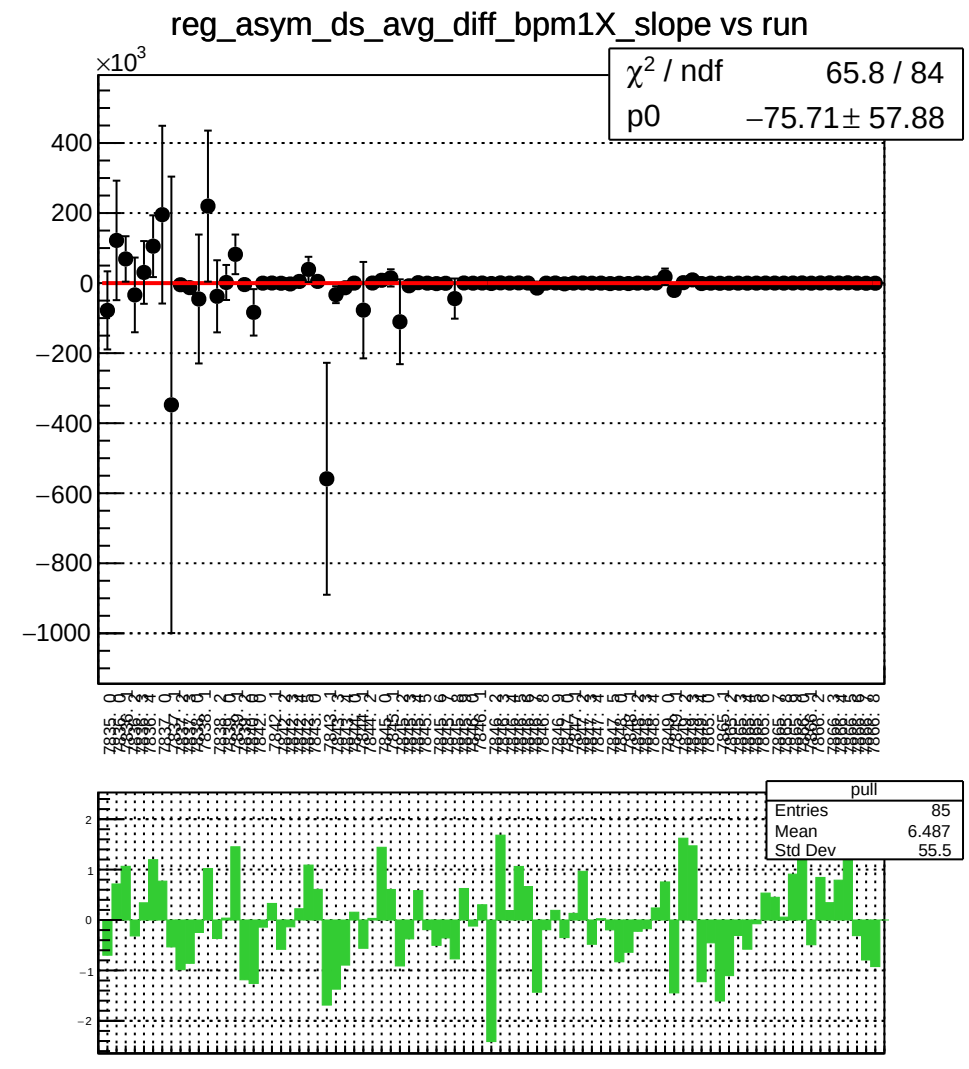

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.5 / 85
p0 −58.3 ± 2.029
pull
Entries 86
Mean 49.23
Std Dev 26.07

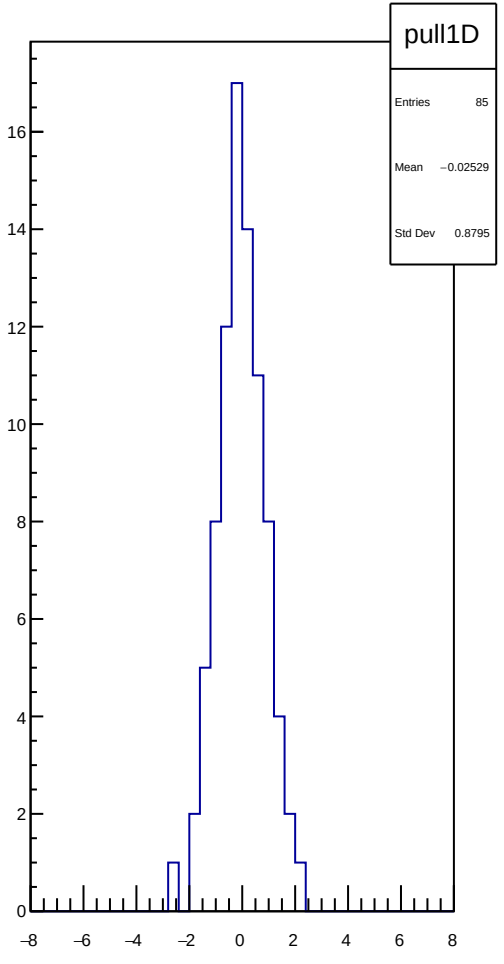

pull1D
Entries 86
Mean 0.3274
Std Dev 0.851

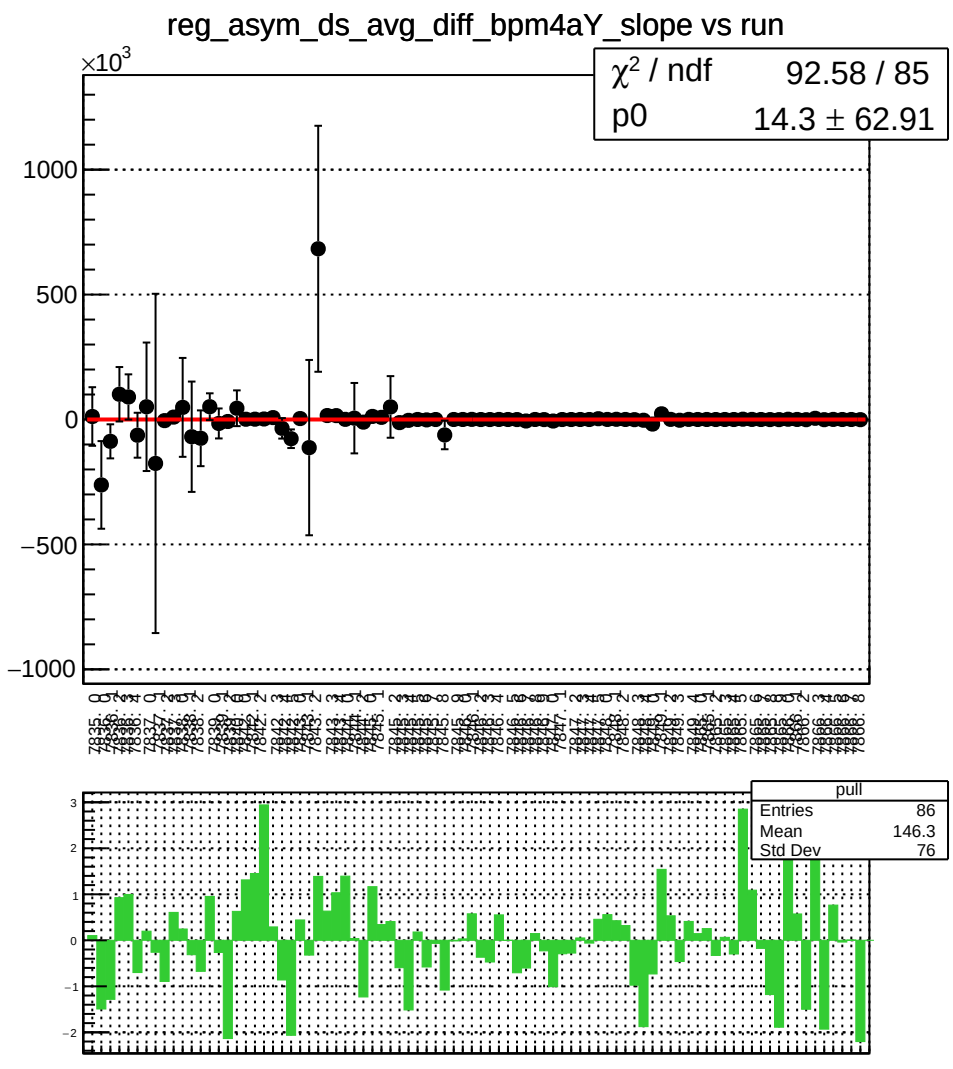

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.87 / 85
p0 8.674 ± 3.121
pull
Entries 86
Mean 165.3
Std Dev 109.8

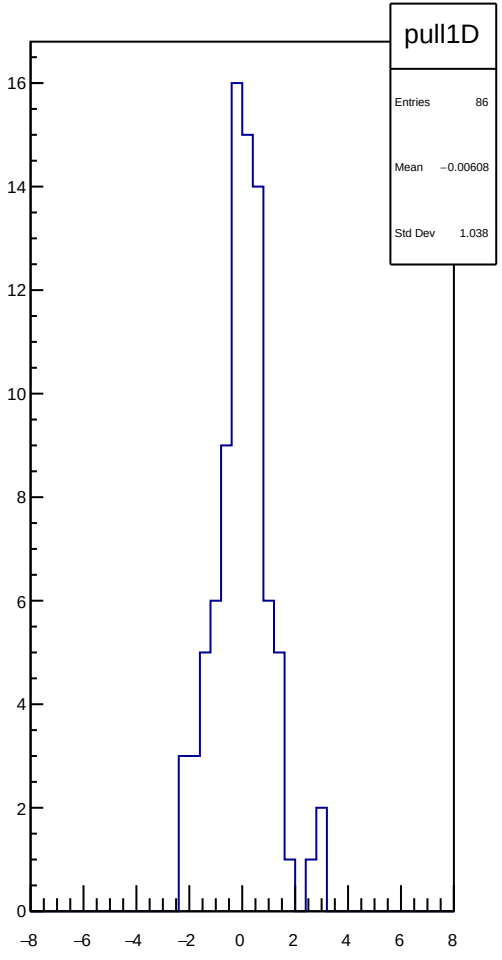

pull1D
Entries 86
Mean −0.01377
Std Dev 0.4294

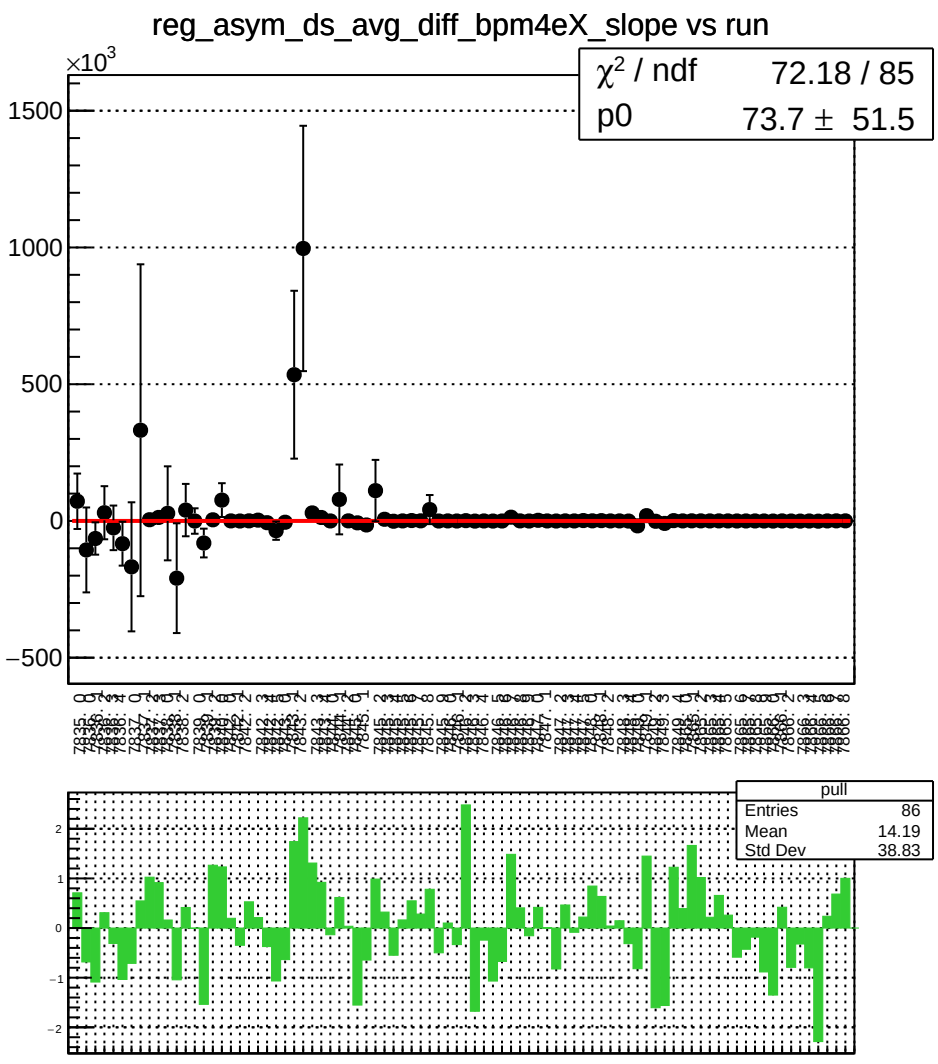

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 25.38 / 85
p0 −0.553 ± 0.09302
pull
Entries 86
Mean 183.8
Std Dev 138.8
pull1D
Entries 86
Mean −0.03374
Std Dev 0.5422

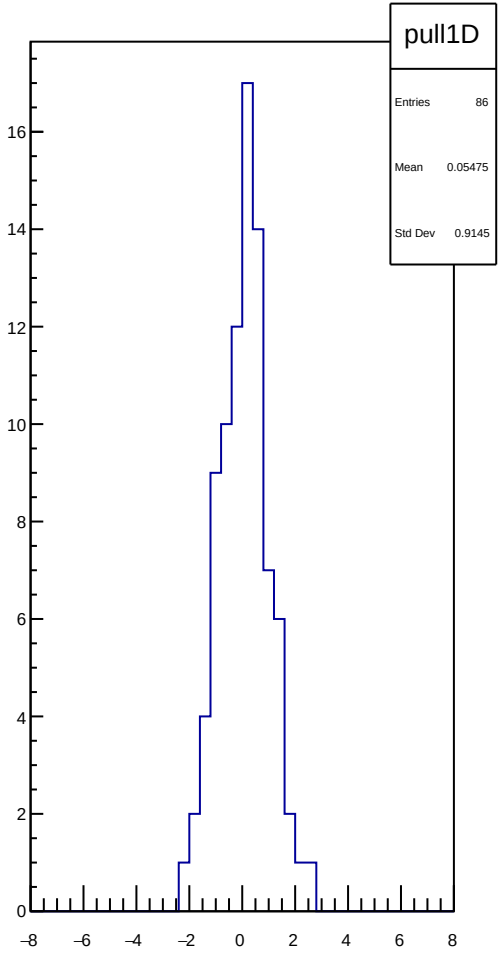

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 65.8 / 84
p0 −75.71 ± 57.88
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 85
Mean 6.487
Std Dev 55.5
2
1
0
−1
−2

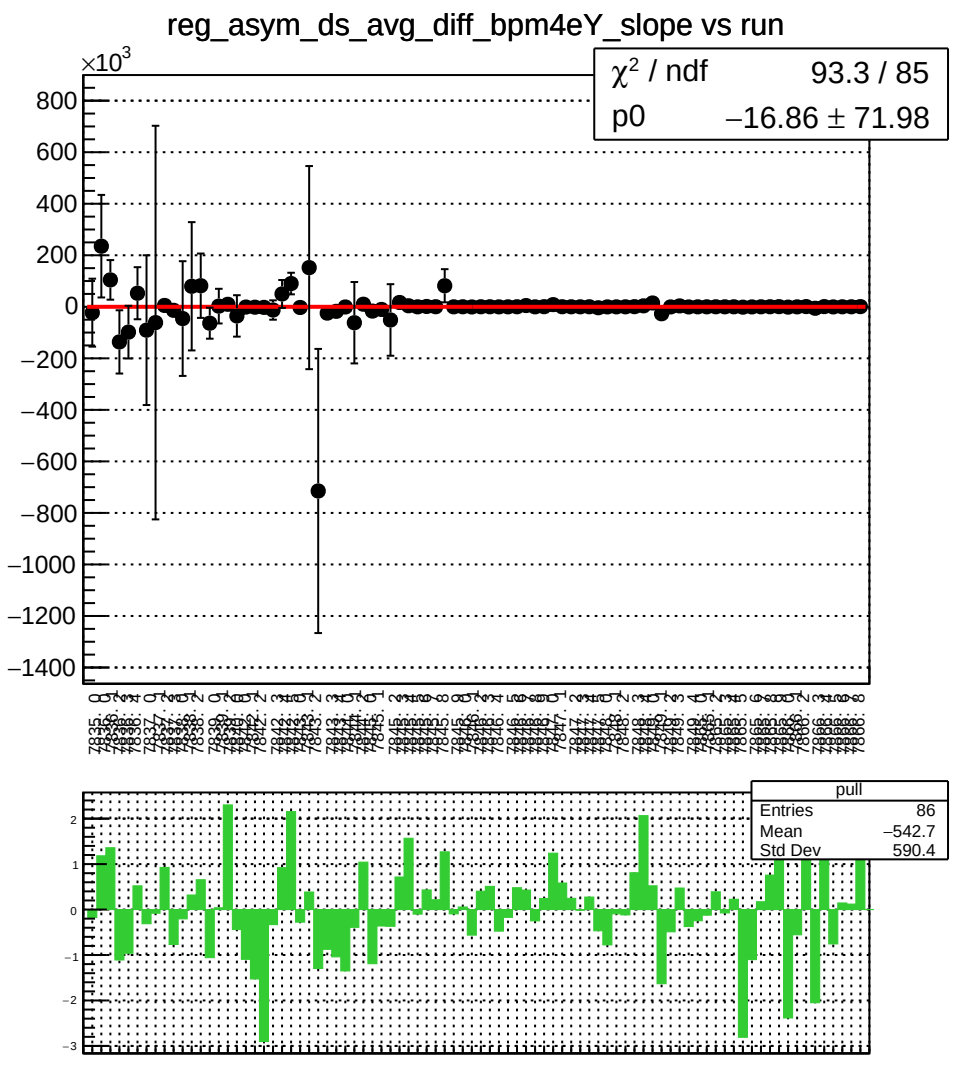

pull1D
Entries 85
Mean −0.02529
Std Dev 0.8795
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

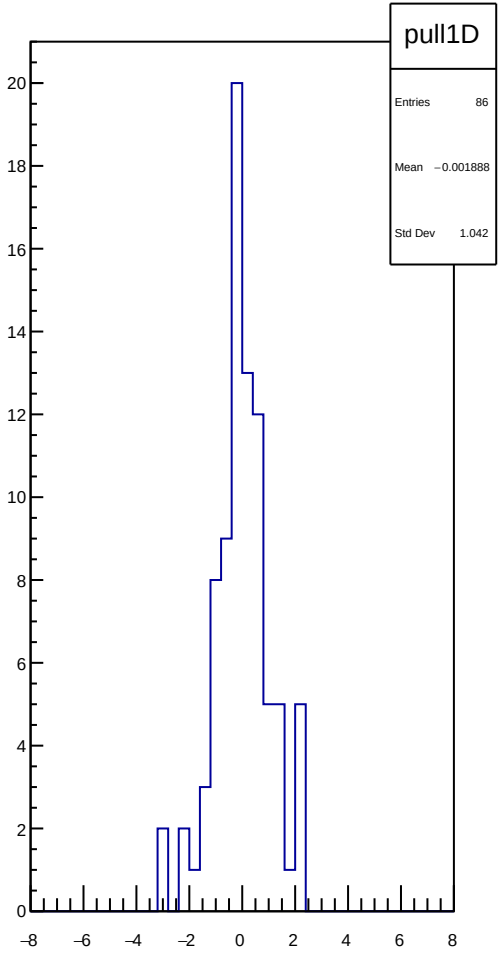

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 92.58 / 85
p0 14.3 ± 62.91
1000
500
0
−500
−1000
pull
Entries 86
Mean 146.3
Std Dev 76
3
2
1
0
−1
−2

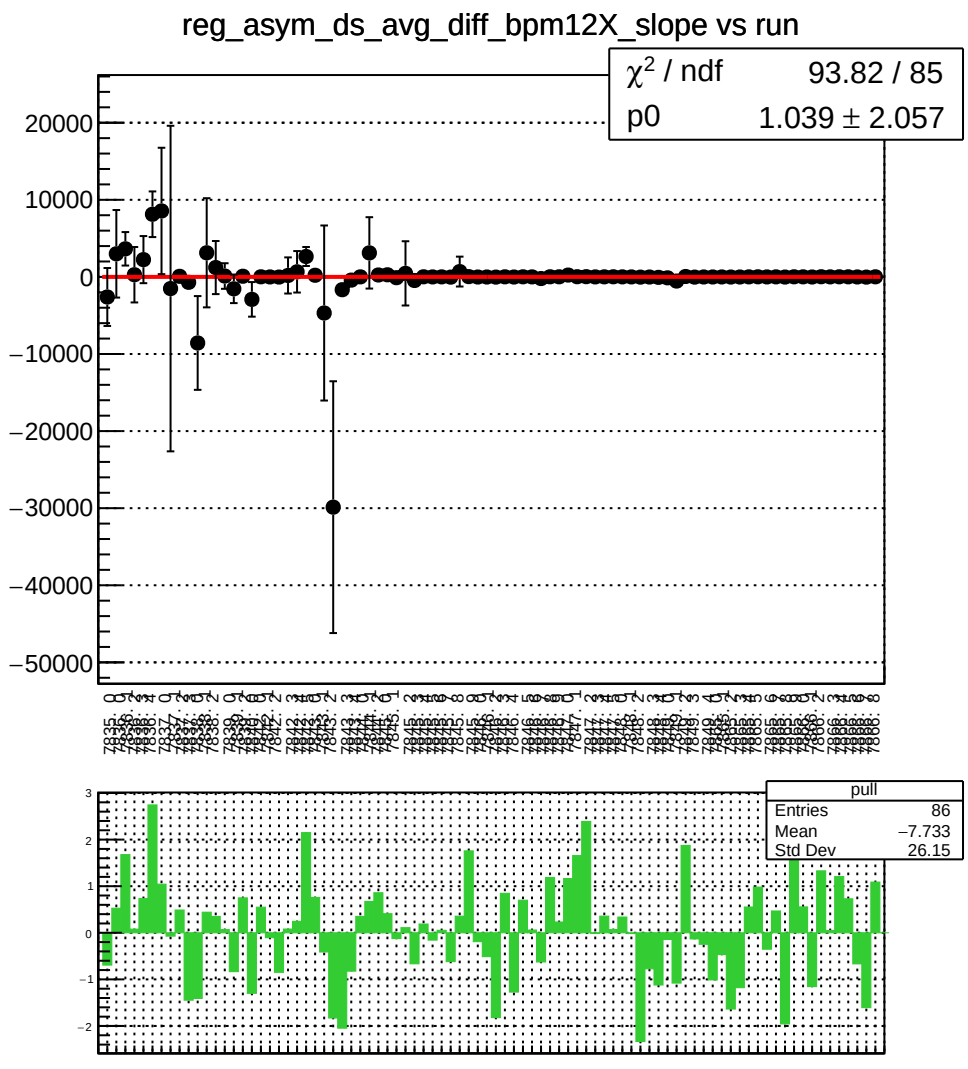

pull1D
Entries 86
Mean −0.00608
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

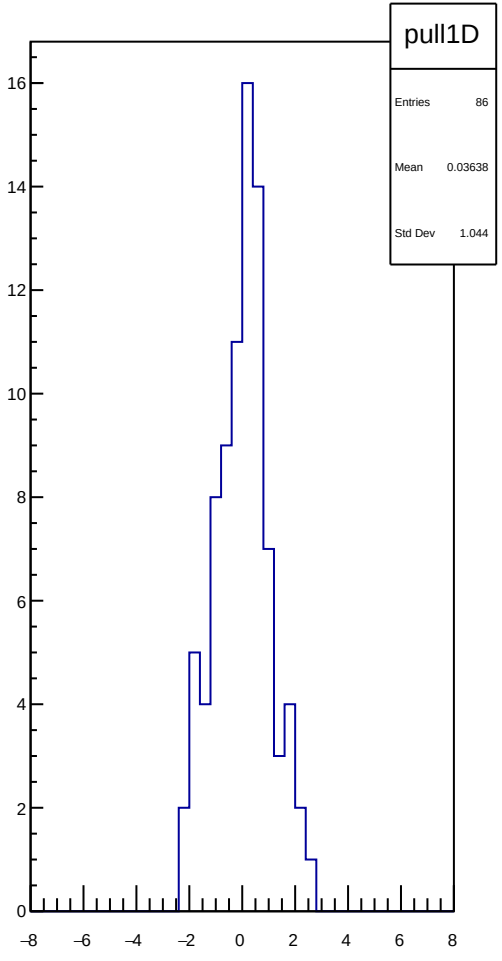

reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 72.18 / 85
p0 73.7 ± 51.5
1500
1000
500
0
−500
pull
Entries 86
Mean 14.19
Std Dev 38.83
2
1
0
−1
−2

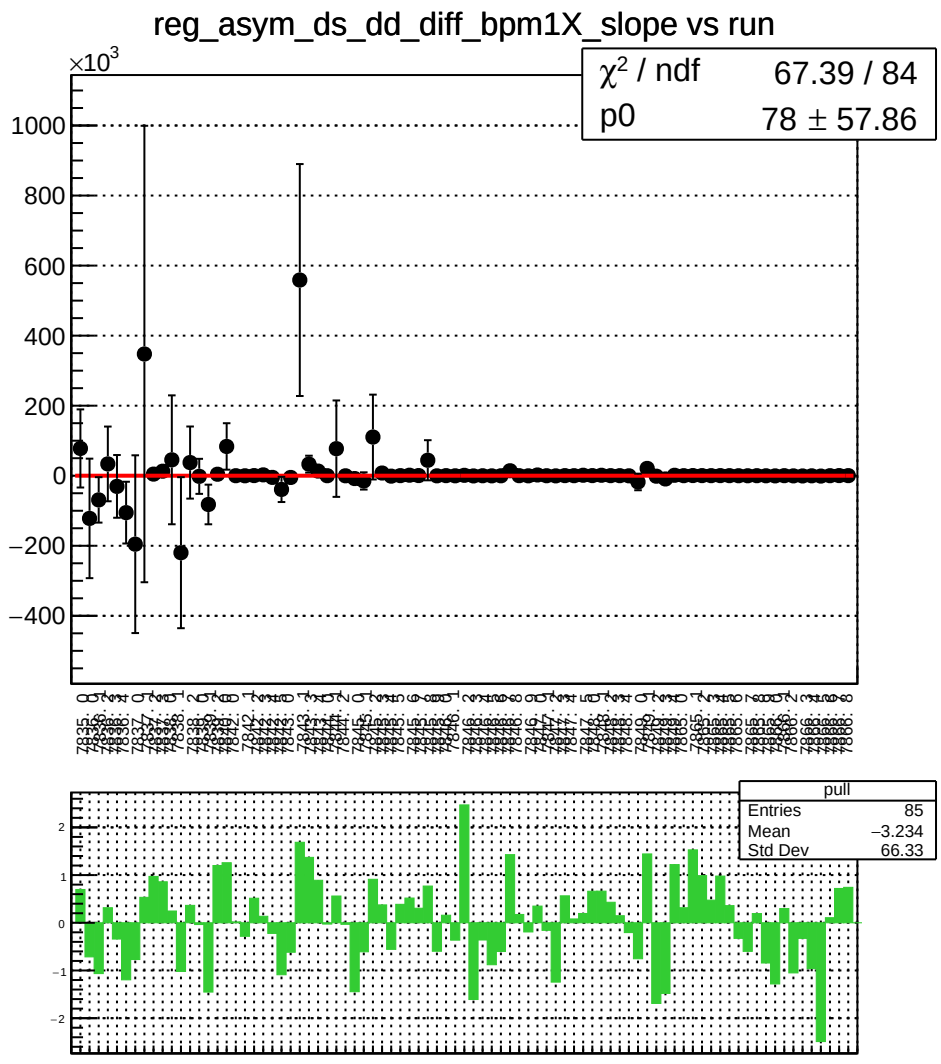

pull1D
Entries 86
Mean 0.05475
Std Dev 0.9145
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

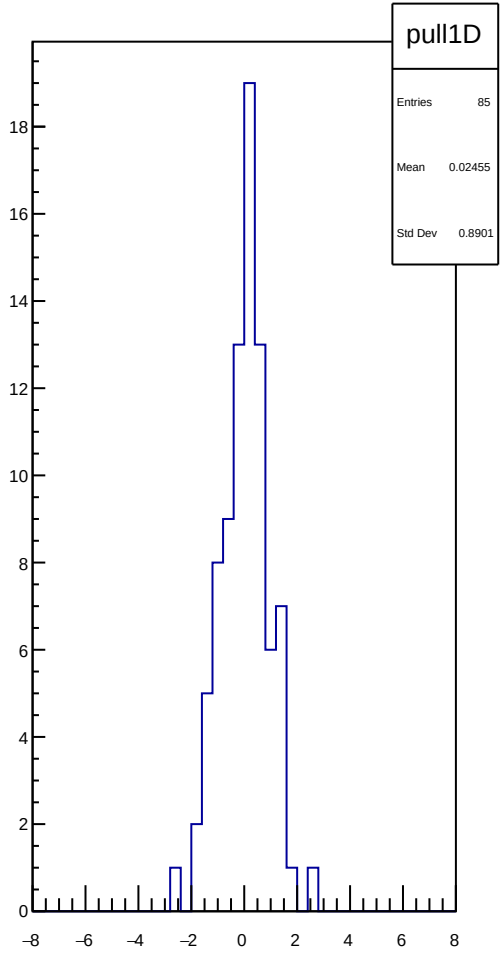

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 93.3 / 85
p0 −16.86 ± 71.98
pull
Entries 86
Mean −542.7
Std Dev 590.4

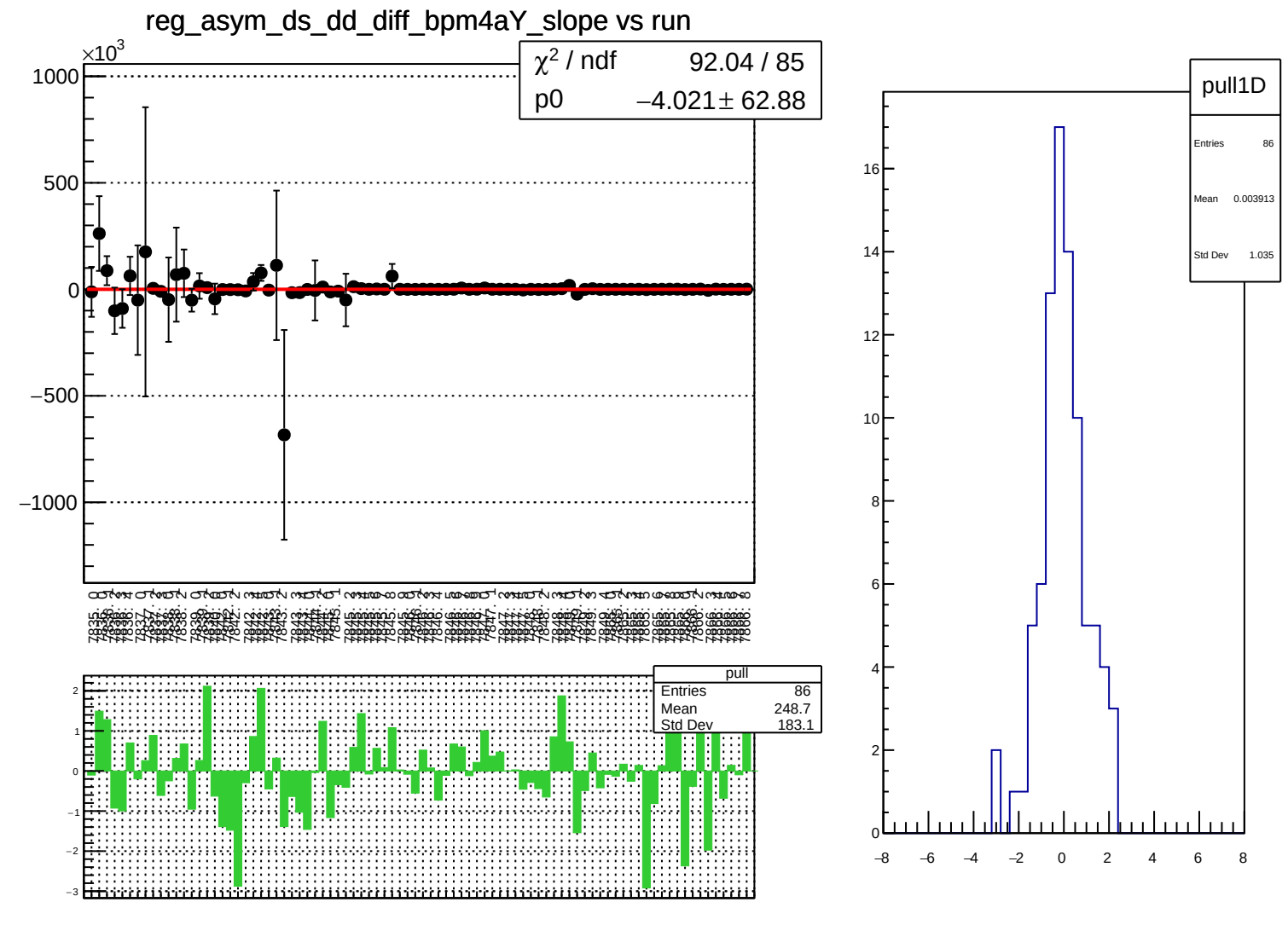

pull1D
Entries 86
Mean −0.001888
Std Dev 1.042

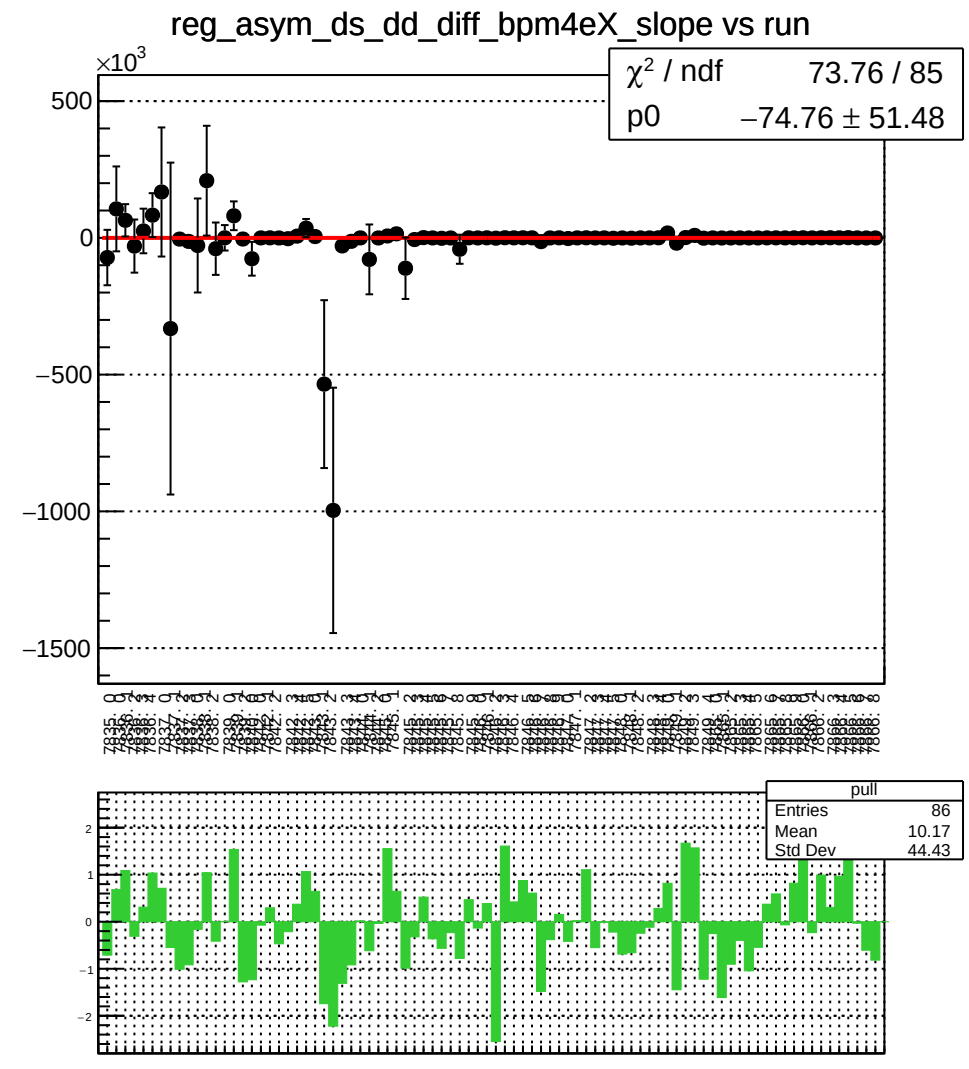

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 93.82 / 85
p0 1.039 ± 2.057
pull
Entries 86
Mean −7.733
Std Dev 26.15

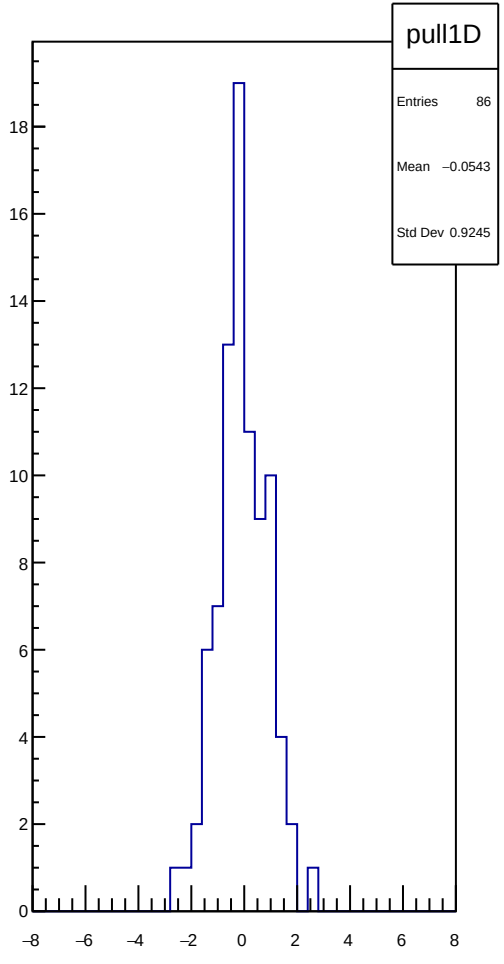

pull1D
Entries 86
Mean 0.03638
Std Dev 1.044

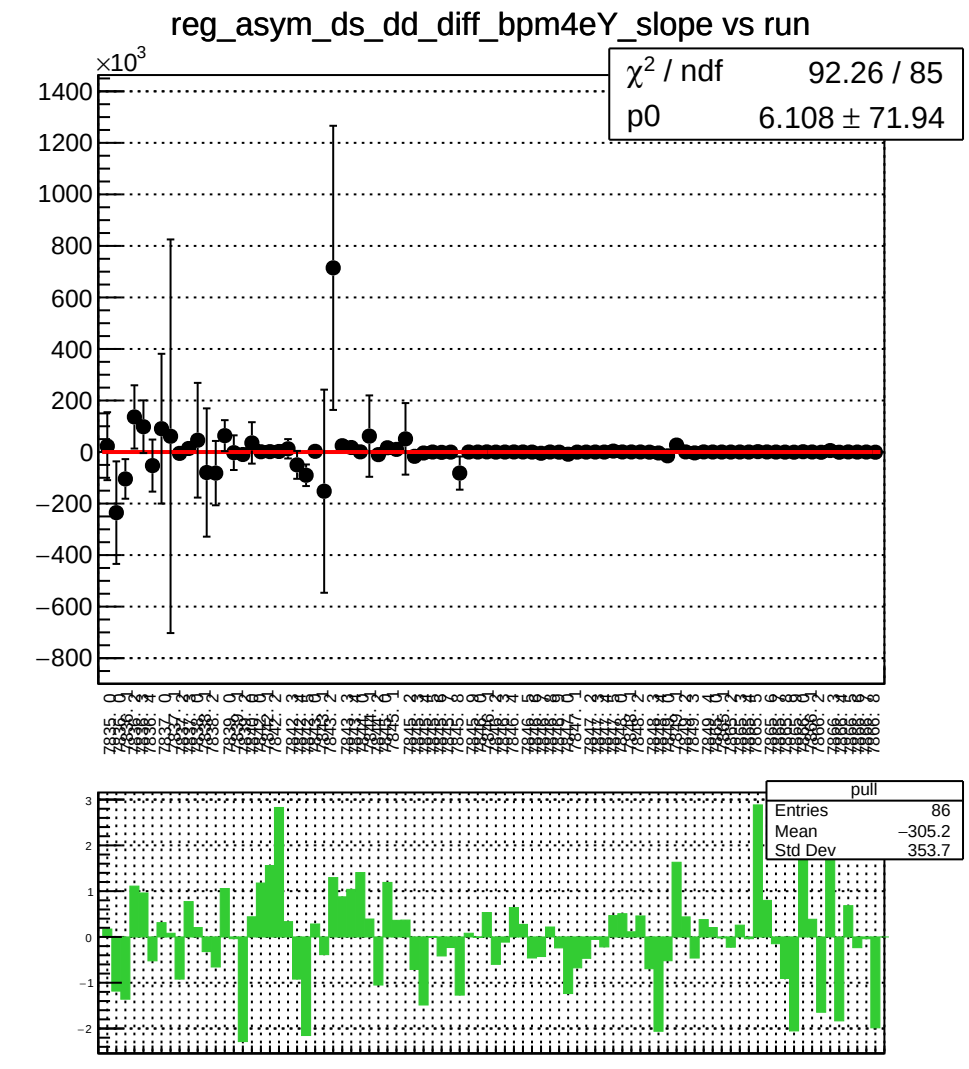

reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 67.39 / 84
p0 78 ± 57.86
1000
800
600
400
200
0
−200
−400
pull
Entries 85
Mean −3.234
Std Dev 66.33
2
1
0
−1
−2

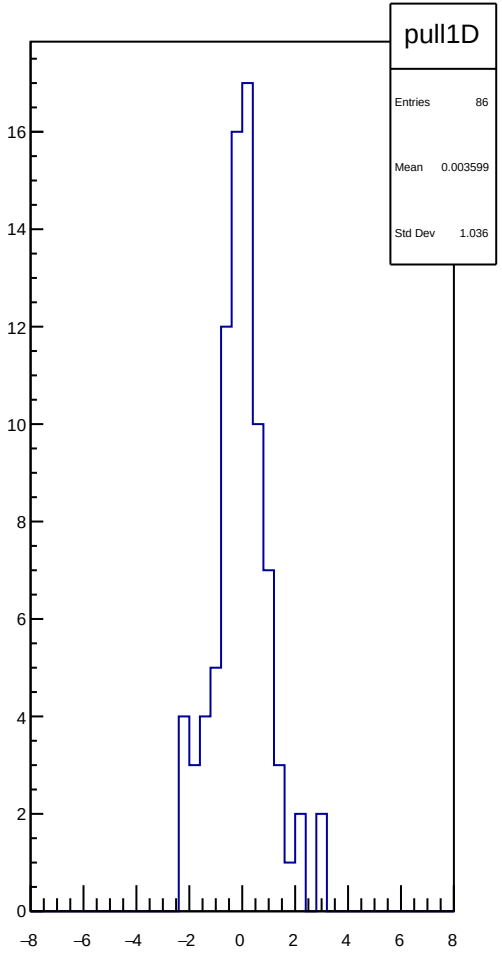

pull1D
Entries 85
Mean 0.02455
Std Dev 0.8901
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

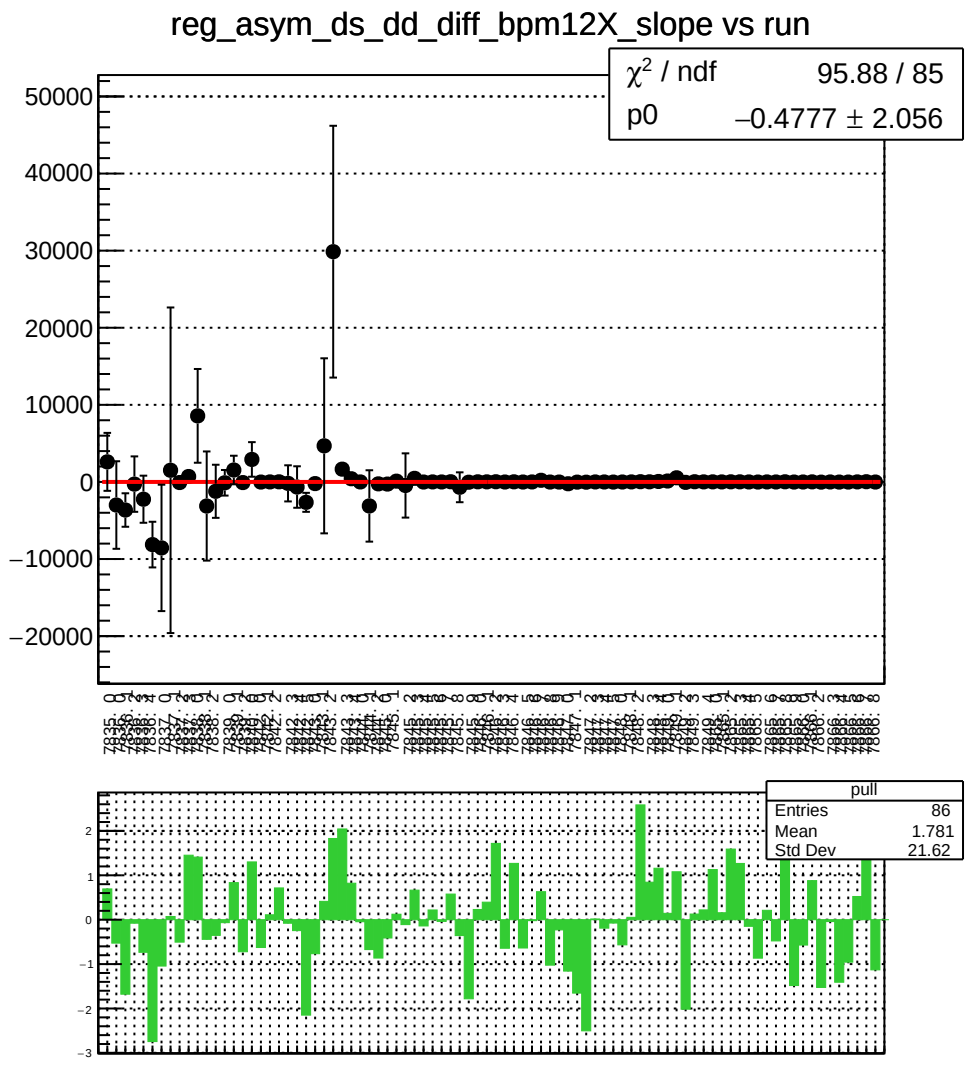

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
1000
500
0
−500
−1000
χ² / ndf 92.04 / 85
p0 −4.021 ± 62.88
pull
Entries 86
Mean 248.7
Std Dev 183.1
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.003913
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

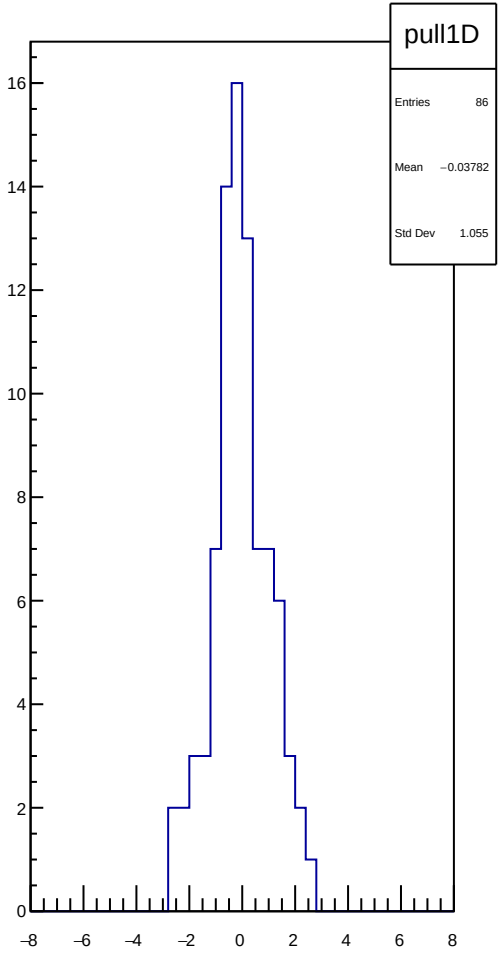

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 73.76 / 85
p0 −74.76 ± 51.48
500
0
−500
−1000
−1500
pull
Entries 86
Mean 10.17
Std Dev 44.43
2
1
0
−1
−2

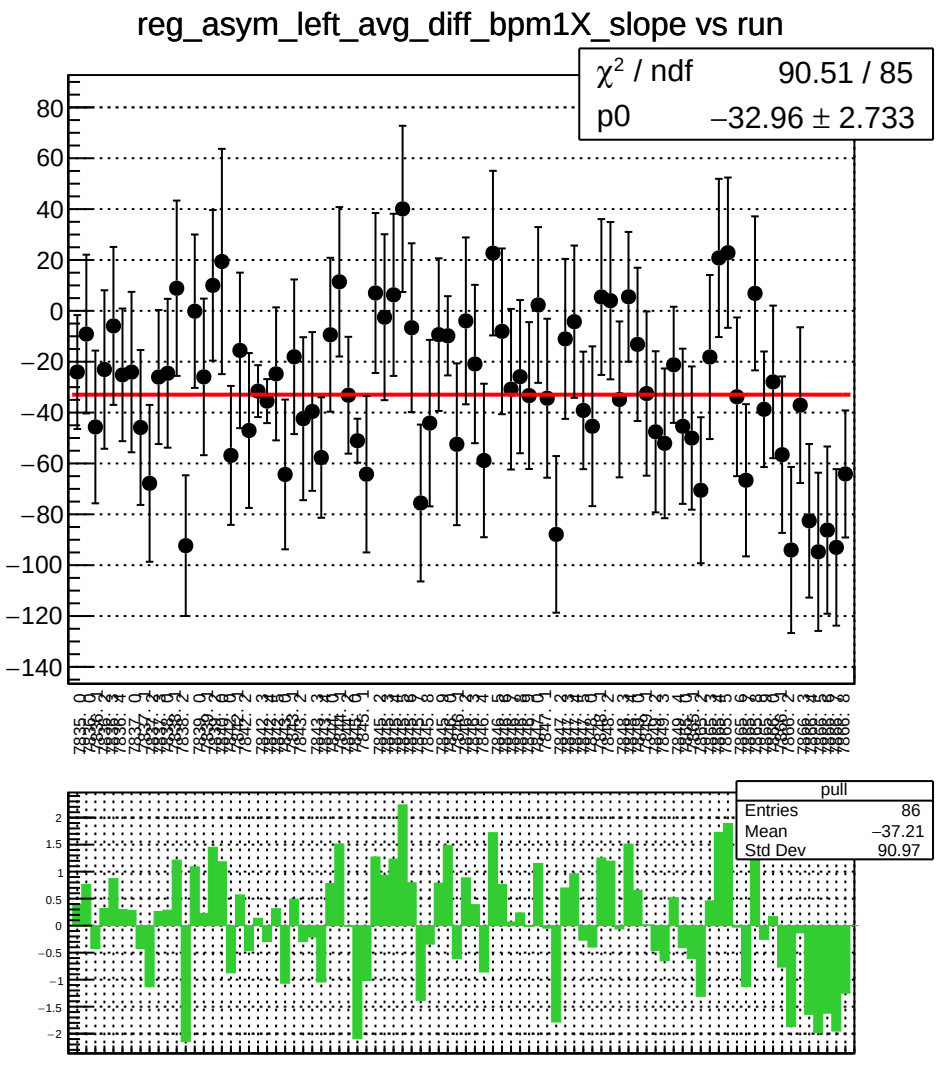

pull1D
Entries 86
Mean −0.0543
Std Dev 0.9245
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

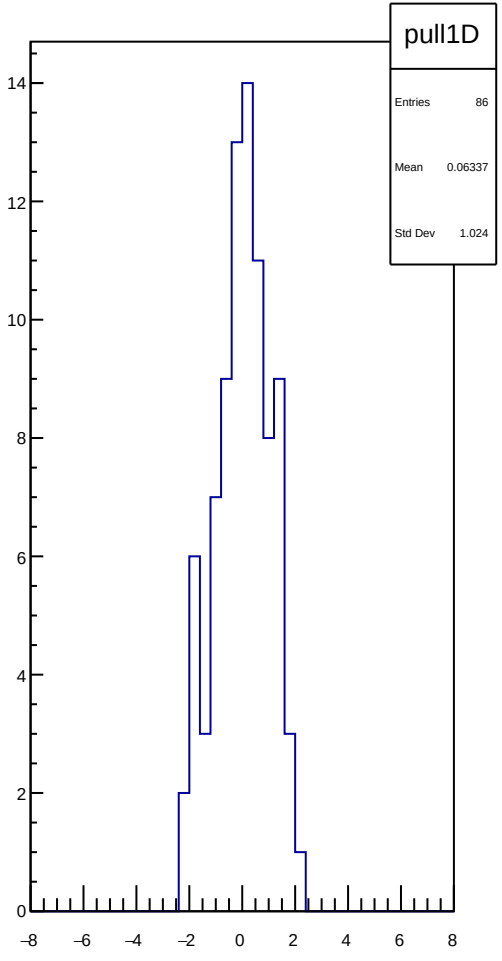

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 92.26 / 85
p0 6.108 ± 71.94
pull
Entries 86
Mean −305.2
Std Dev 353.7

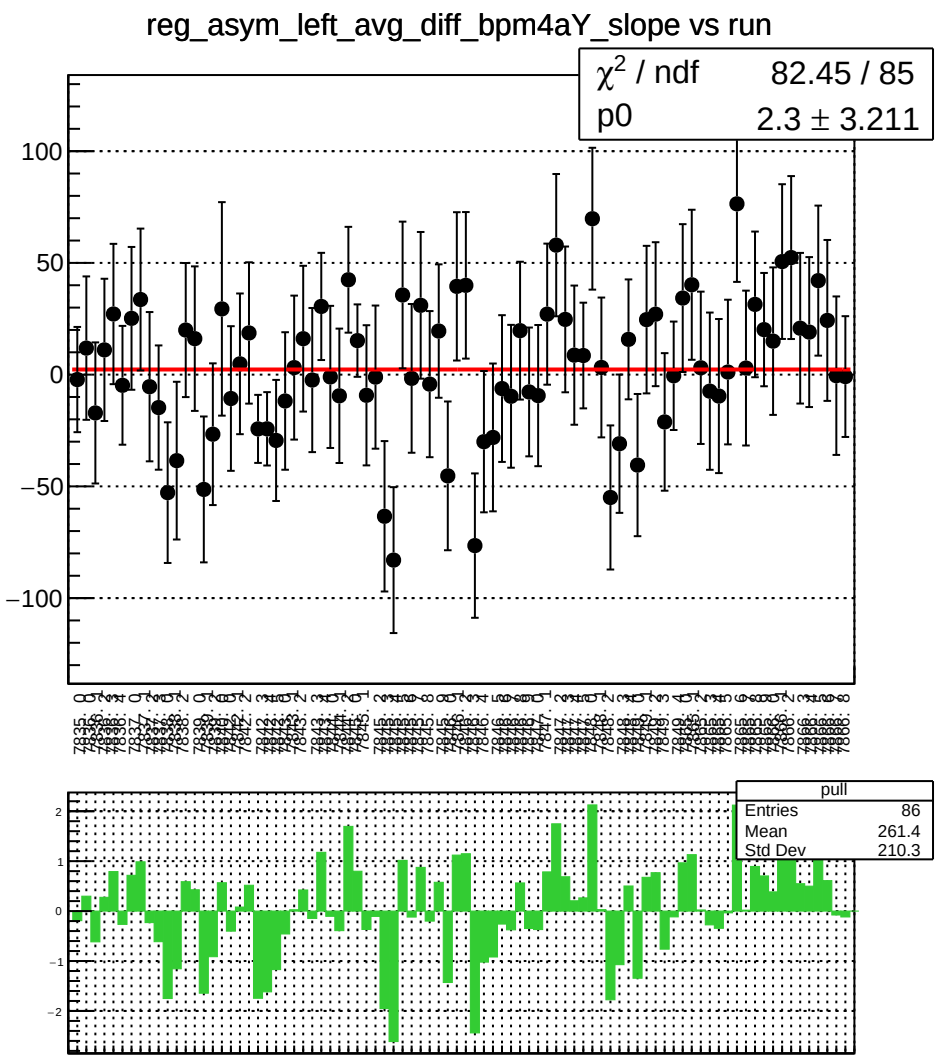

pull1D
Entries 86
Mean 0.003599
Std Dev 1.036

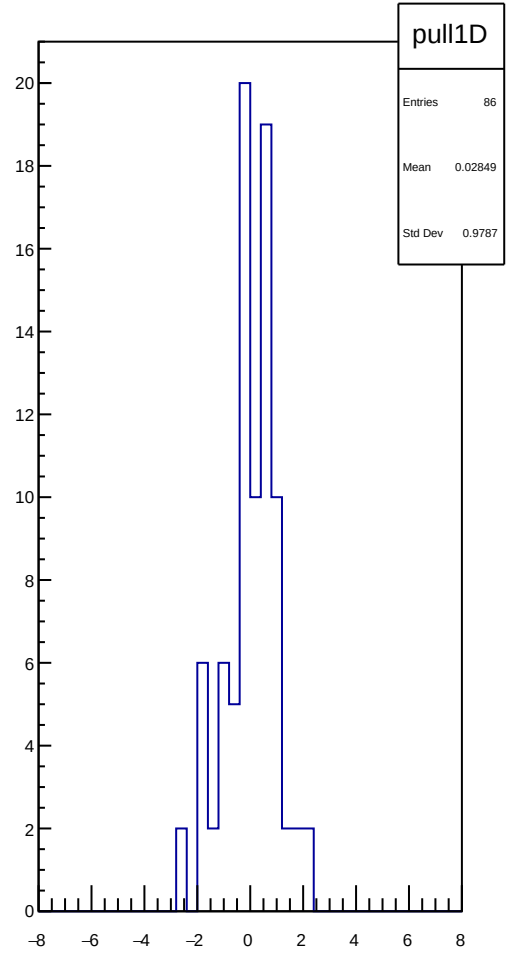

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 95.88 / 85
p0 −0.4777 ± 2.056
pull
Entries 86
Mean 1.781
Std Dev 21.62

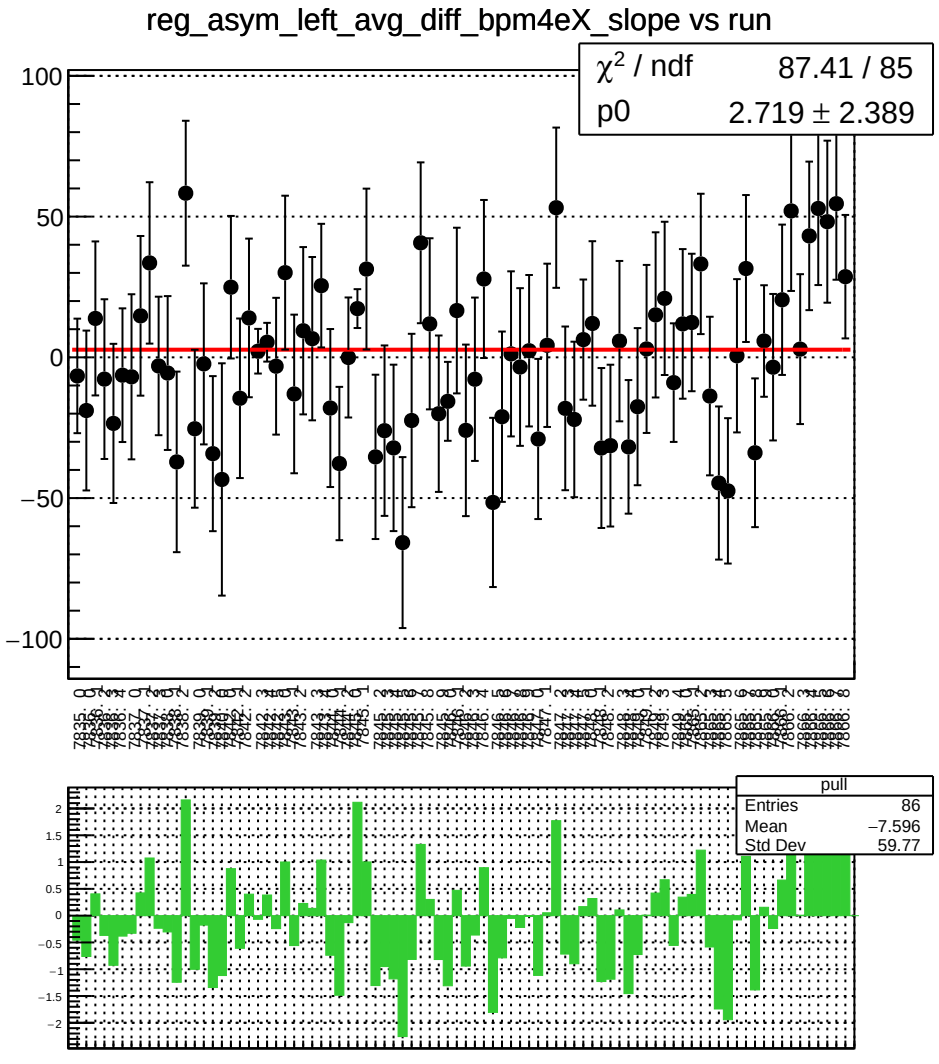

pull1D
Entries 86
Mean −0.03782
Std Dev 1.055

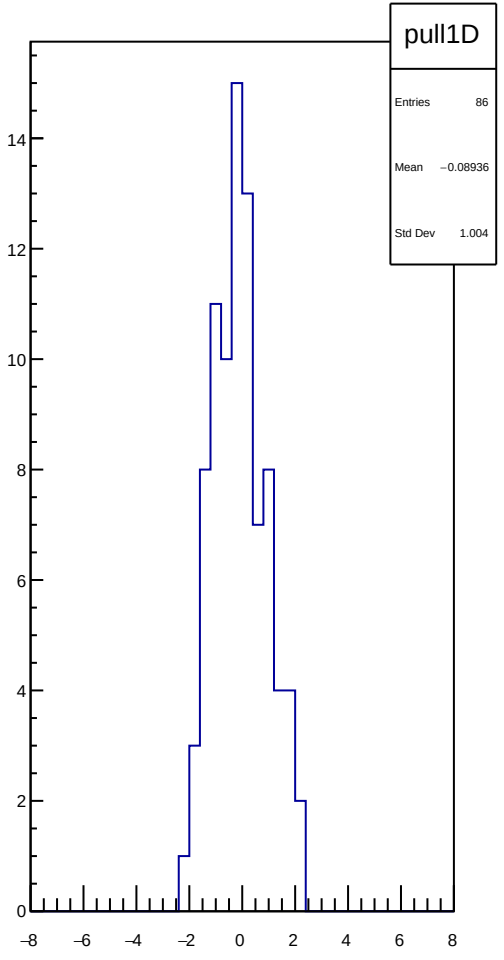

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 90.51 / 85
p0 −32.96 ± 2.733
pull
Entries 86
Mean −37.21
Std Dev 90.97

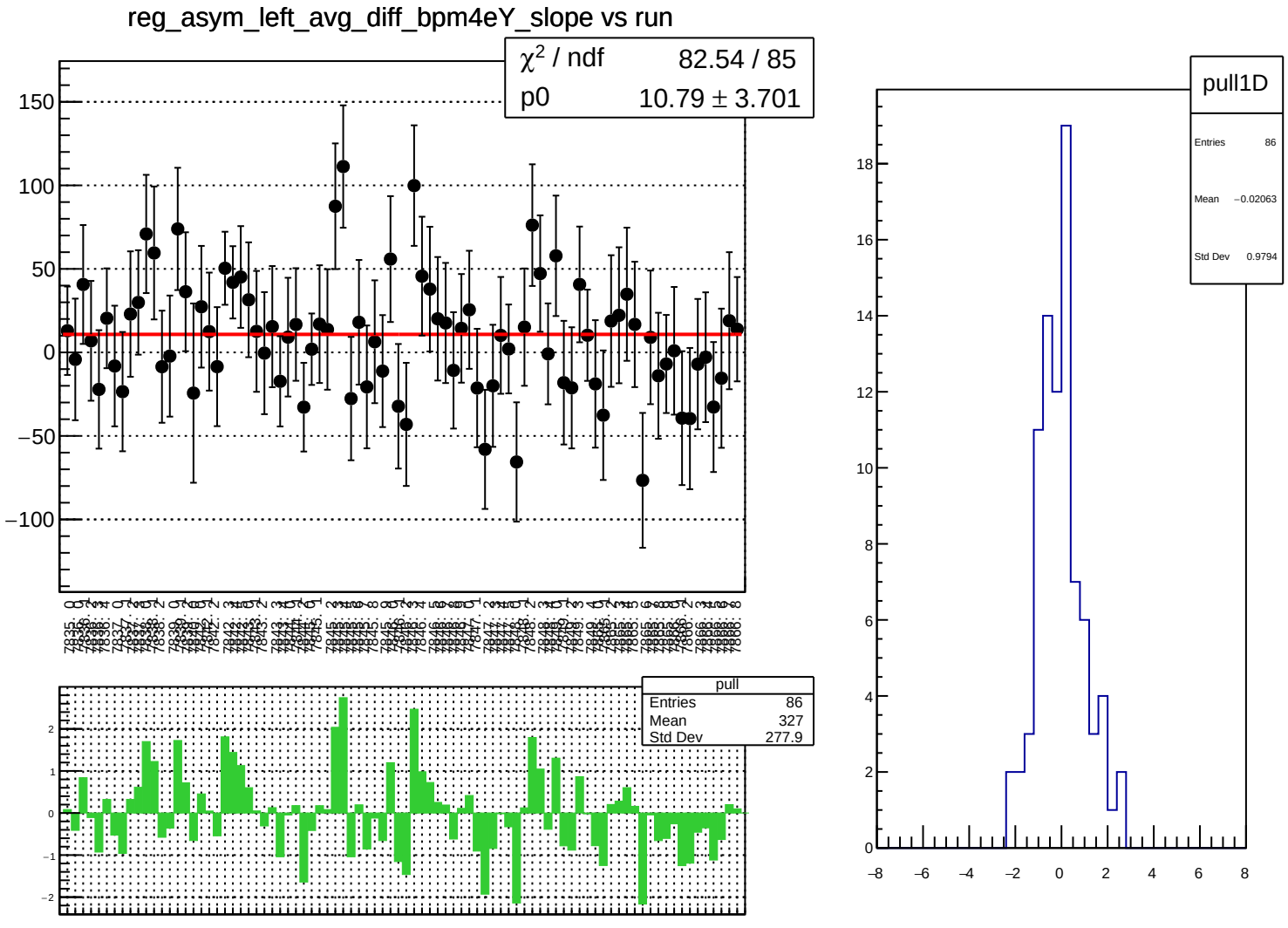

pull1D
Entries 86
Mean 0.06337
Std Dev 1.024

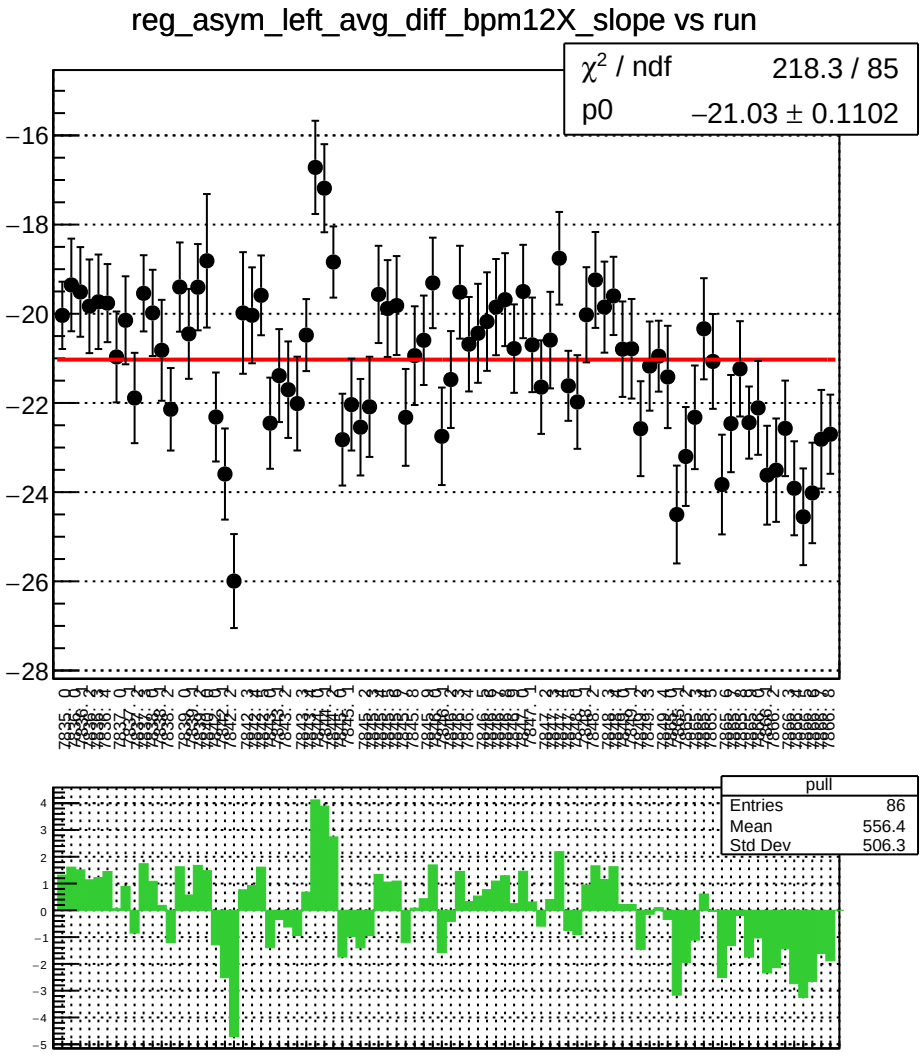

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 82.45 / 85
p0 2.3 ± 3.211
pull
Entries 86
Mean 261.4
Std Dev 210.3

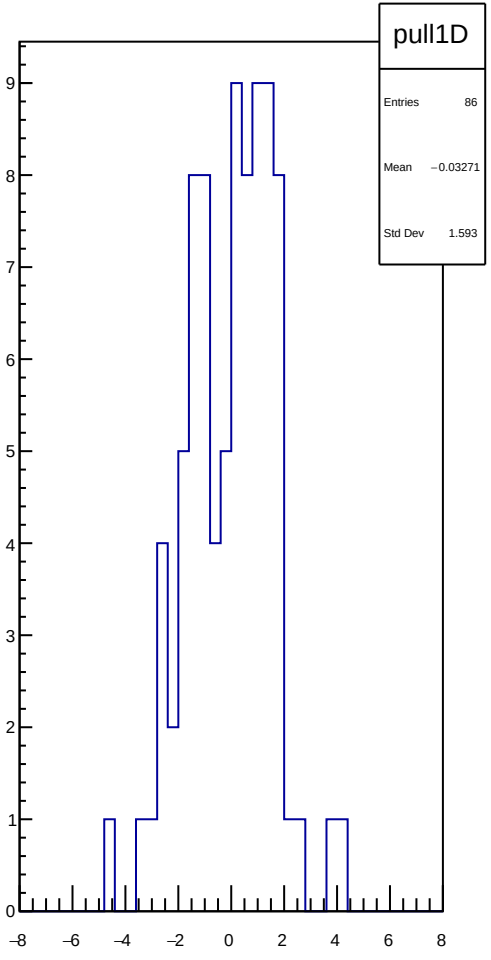

pull1D
Entries 86
Mean 0.02849
Std Dev 0.9787

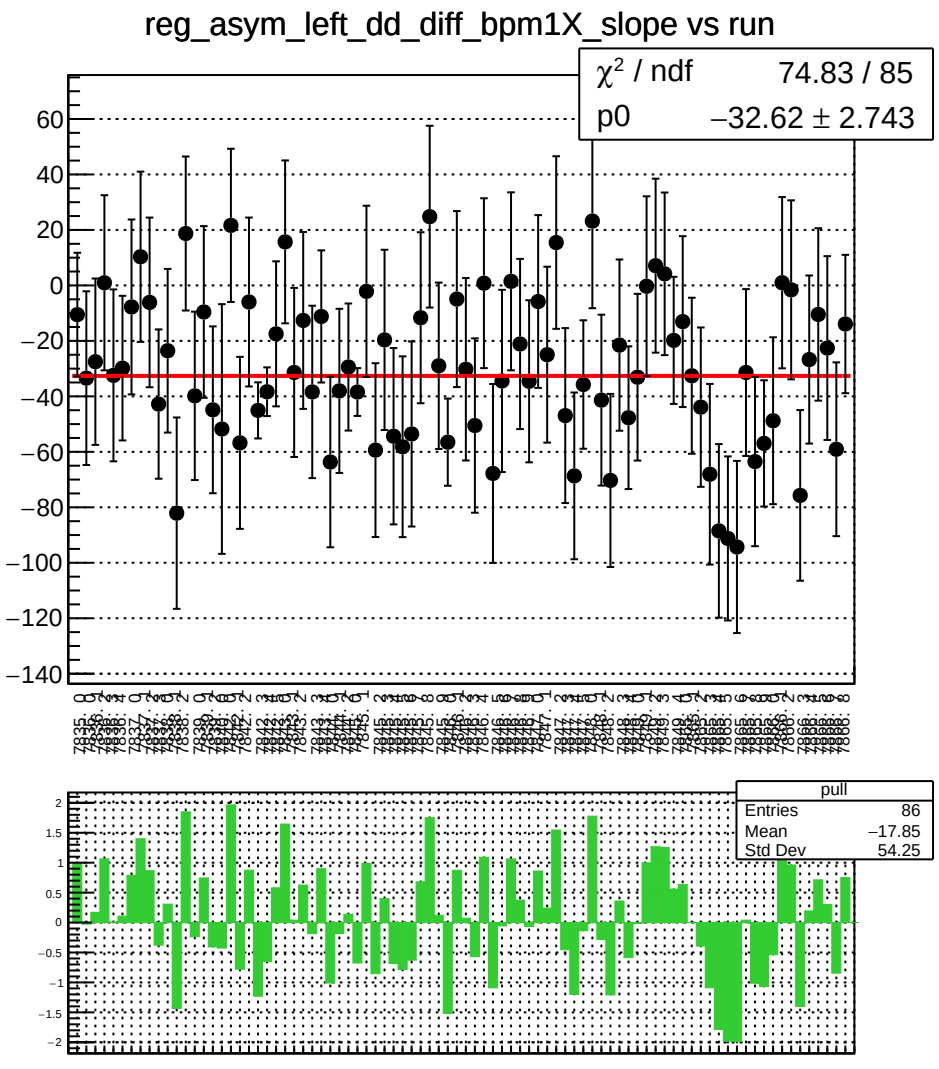

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 87.41 / 85
p0 2.719 ± 2.389
100
50
0
−50
−100
pull
Entries 86
Mean −7.596
Std Dev 59.77
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

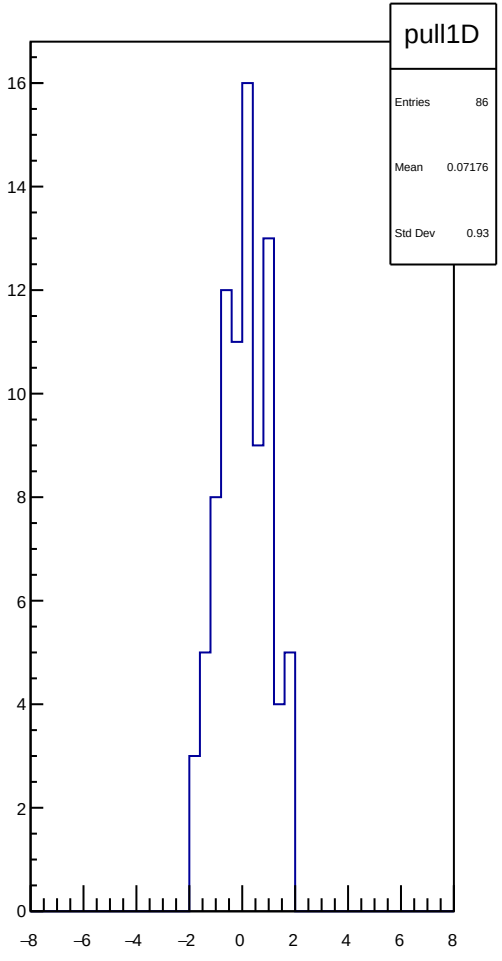

pull1D
Entries 86
Mean −0.08936
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

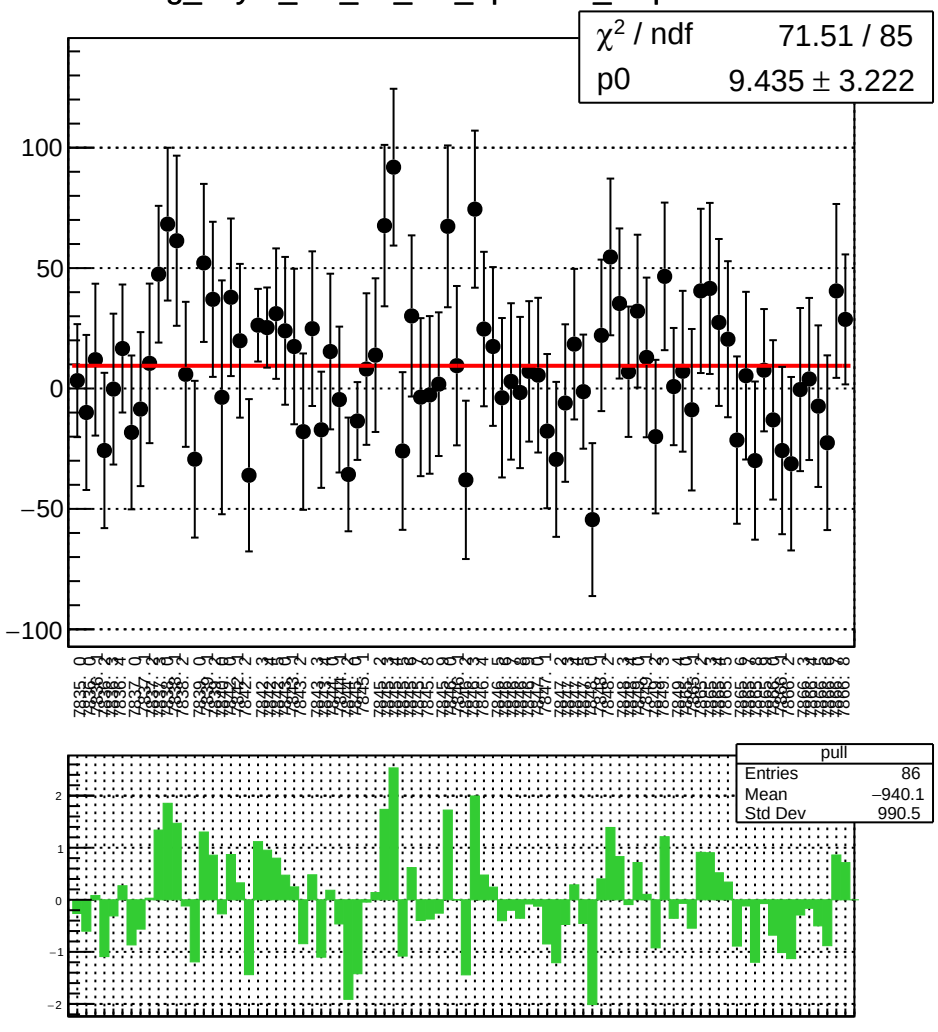

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 82.54 / 85
p0 10.79 ± 3.701
150
100
50
0
−50
−100
pull
Entries 86
Mean 327
Std Dev 277.9
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.02063
Std Dev 0.9794
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

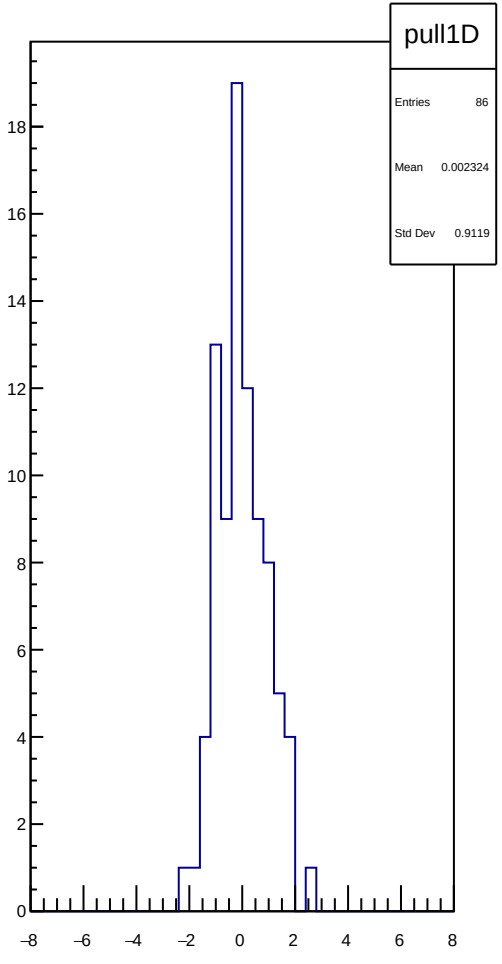

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 218.3 / 85
p0 −21.03 ± 0.1102
pull
Entries 86
Mean 556.4
Std Dev 506.3

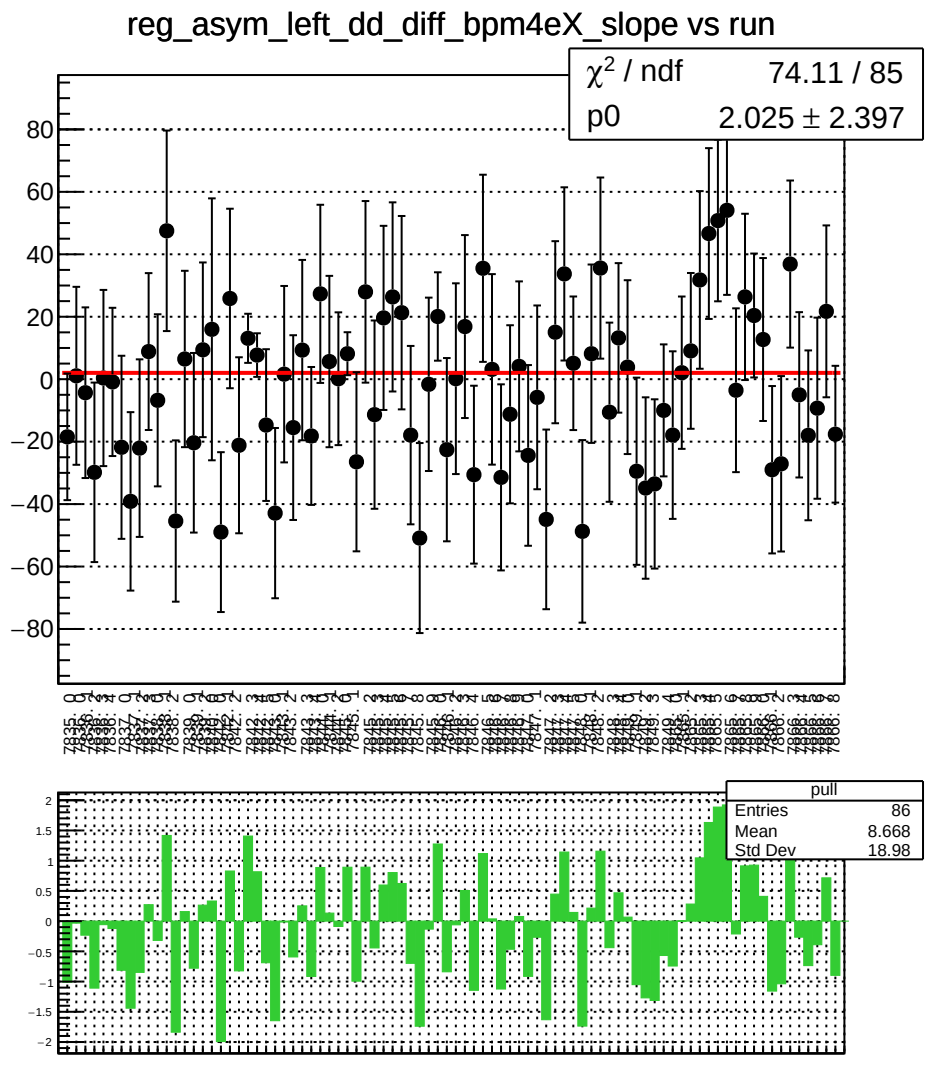

pull1D
Entries 86
Mean −0.03271
Std Dev 1.593

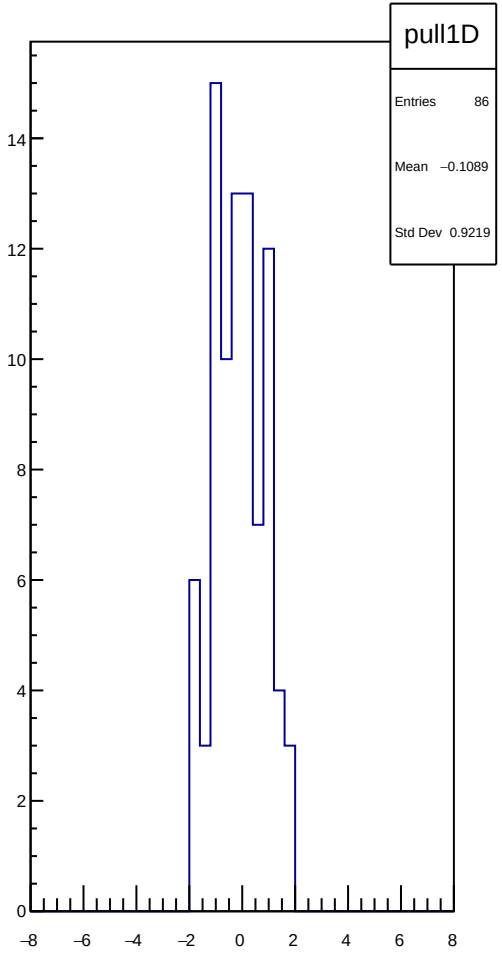

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 74.83 / 85
p0 −32.62 ± 2.743
pull
Entries 86
Mean −17.85
Std Dev 54.25

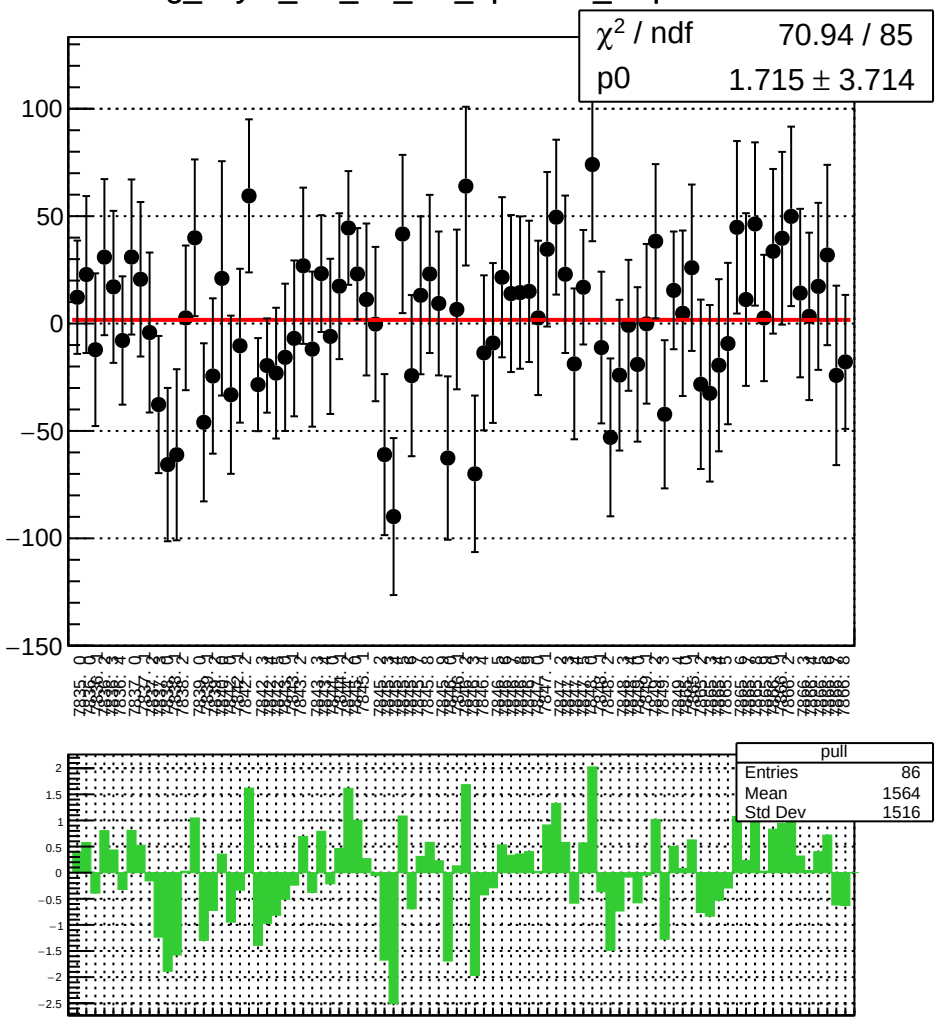

pull1D
Entries 86
Mean 0.07176
Std Dev 0.93

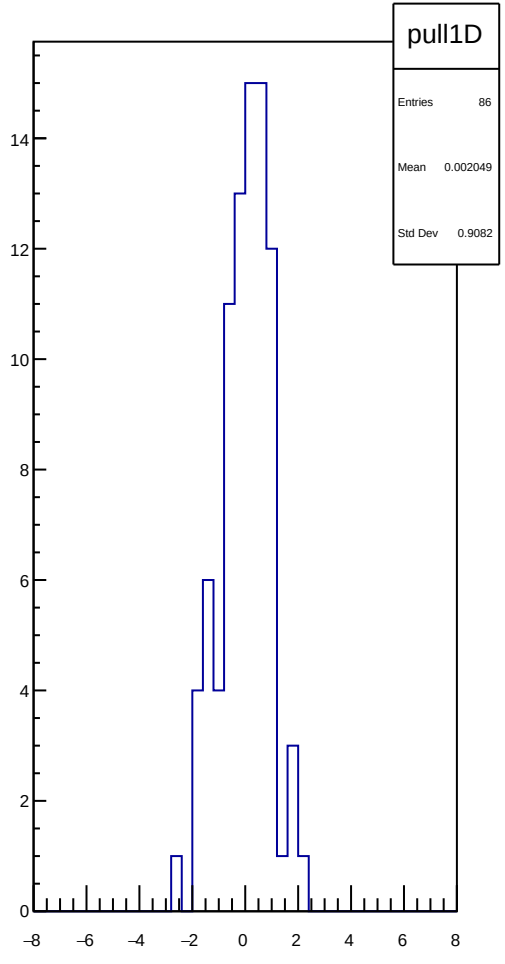

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.51 / 85
p0 9.435 ± 3.222
pull
Entries 86
Mean −940.1
Std Dev 990.5

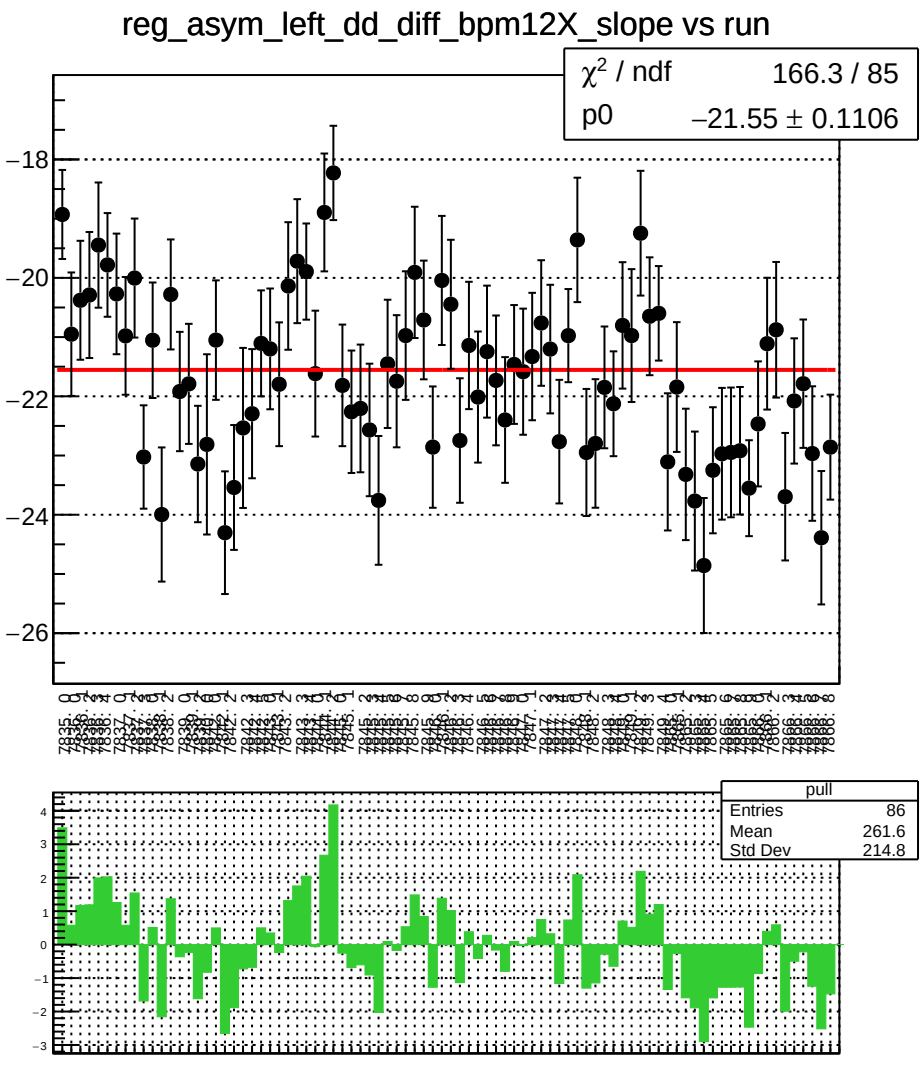

pull1D
Entries 86
Mean 0.002324
Std Dev 0.9119

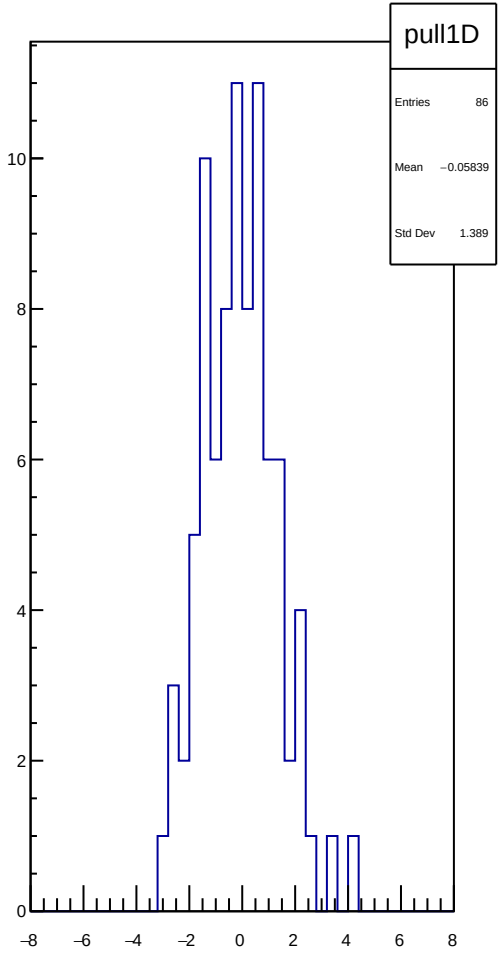

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.11 / 85
p0 2.025 ± 2.397
pull
Entries 86
Mean 8.668
Std Dev 18.98

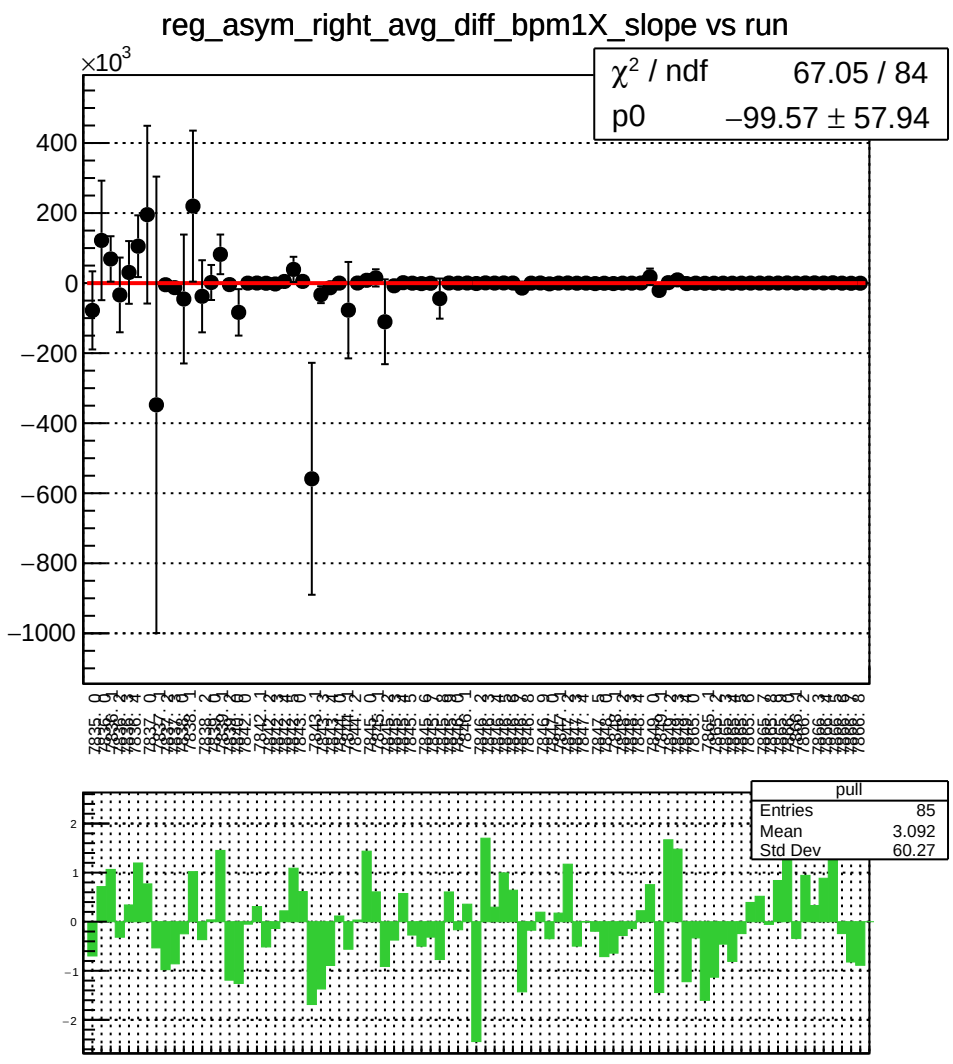

pull1D
Entries 86
Mean −0.1089
Std Dev 0.9219

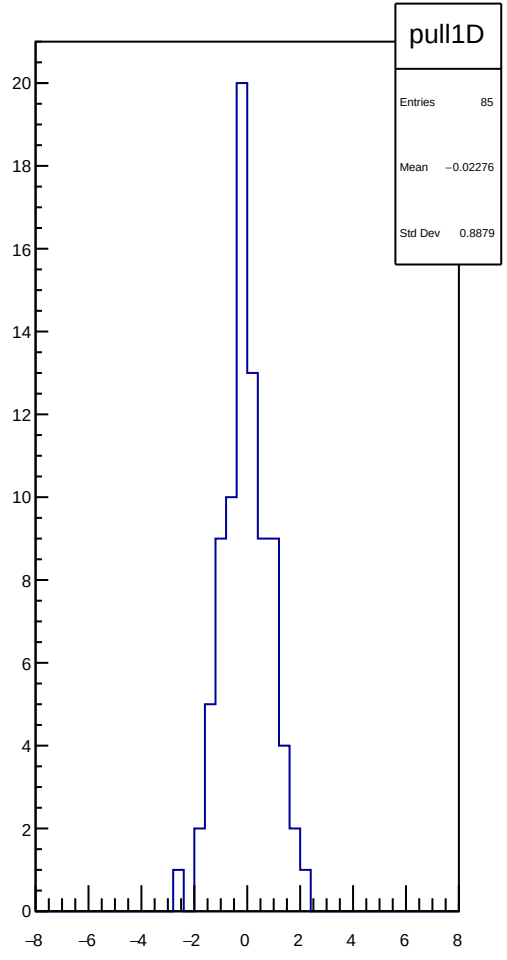

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.94 / 85
p0 1.715 ± 3.714
pull
Entries 86
Mean 1564
Std Dev 1516

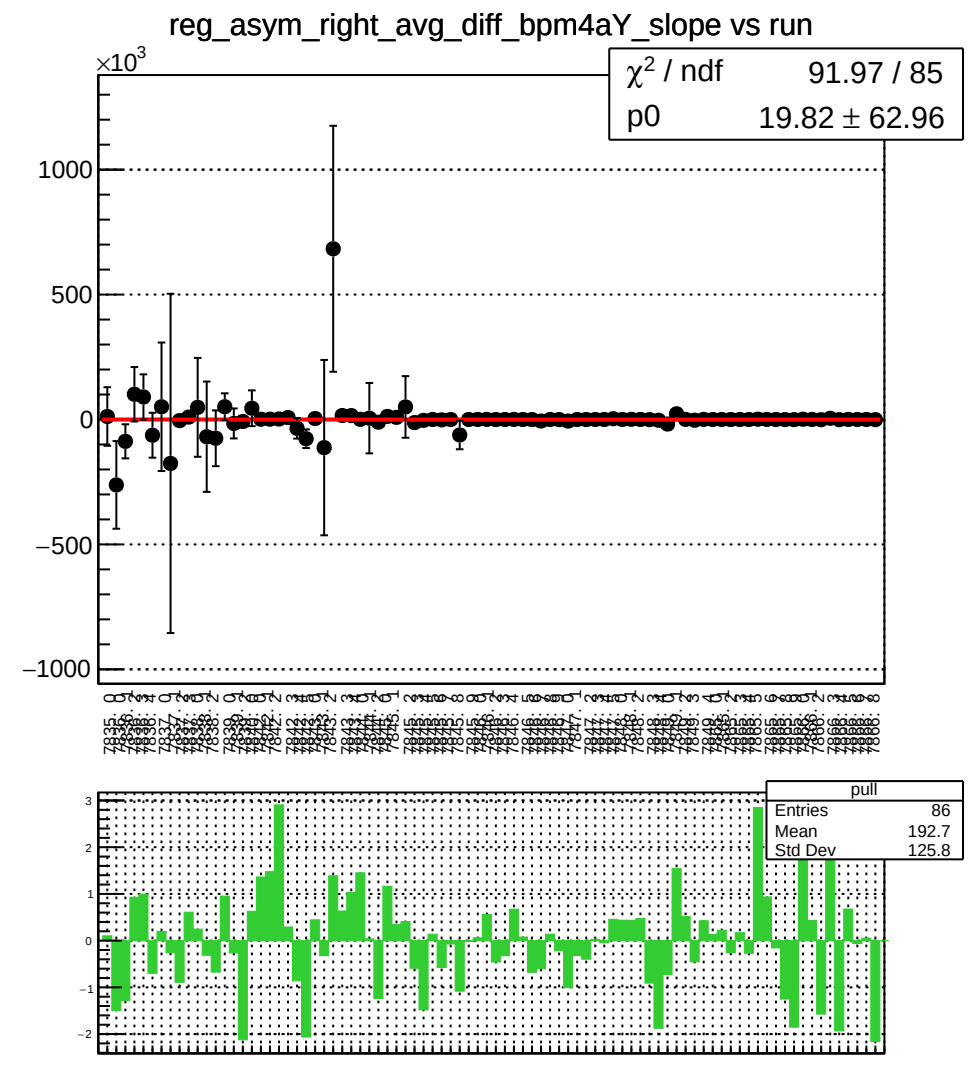

pull1D
Entries 86
Mean 0.002049
Std Dev 0.9082

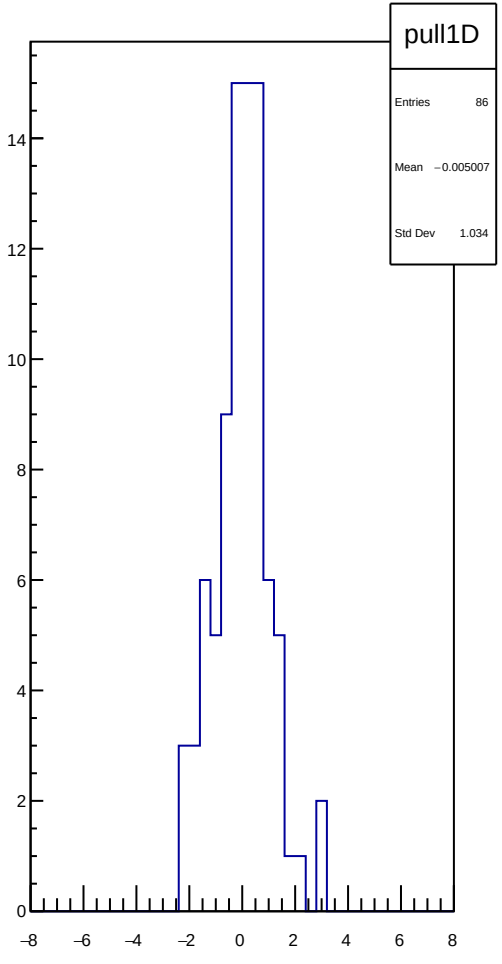

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 166.3 / 85
p0 −21.55 ± 0.1106
−18
−20
−22
−24
−26
pull
Entries 86
Mean 261.6
Std Dev 214.8
4
3
2
1
0
−1
−2
−3

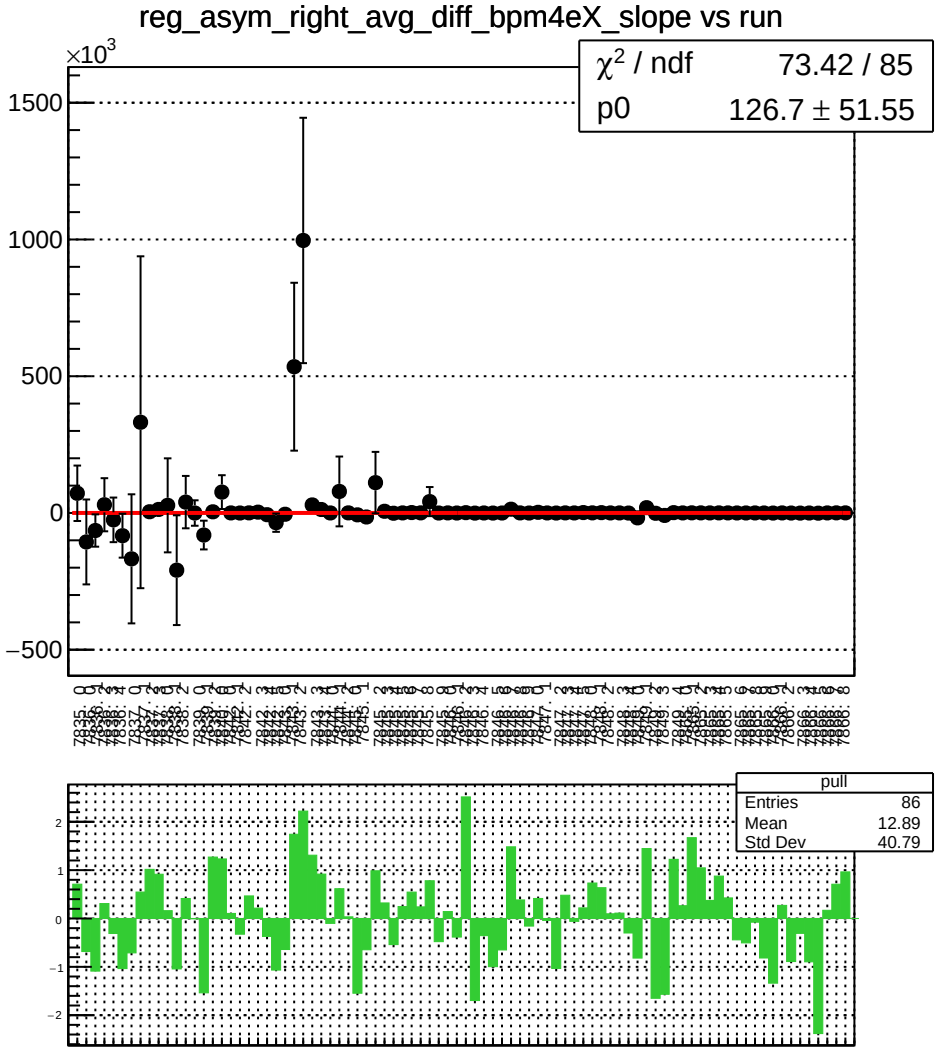

pull1D
Entries 86
Mean −0.05839
Std Dev 1.389
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

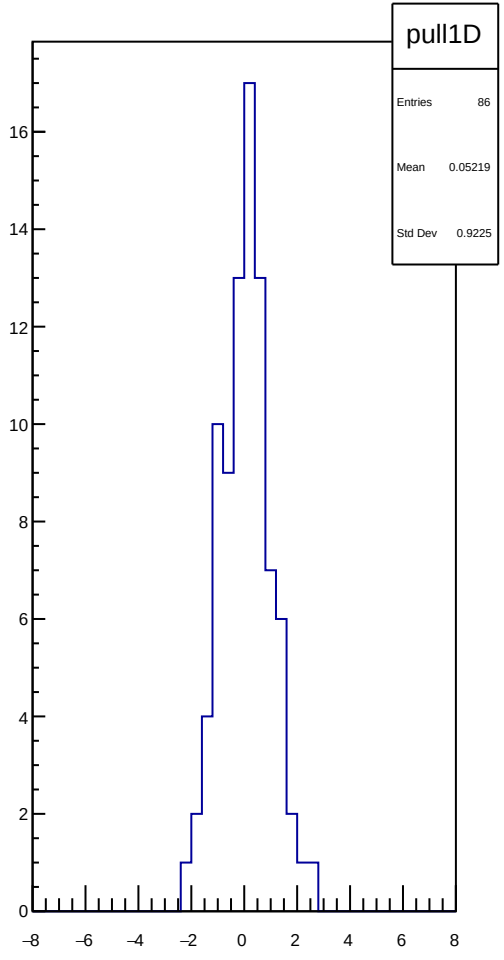

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 67.05 / 84
p0 −99.57 ± 57.94
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 85
Mean 3.092
Std Dev 60.27
2
1
0
−1
−2

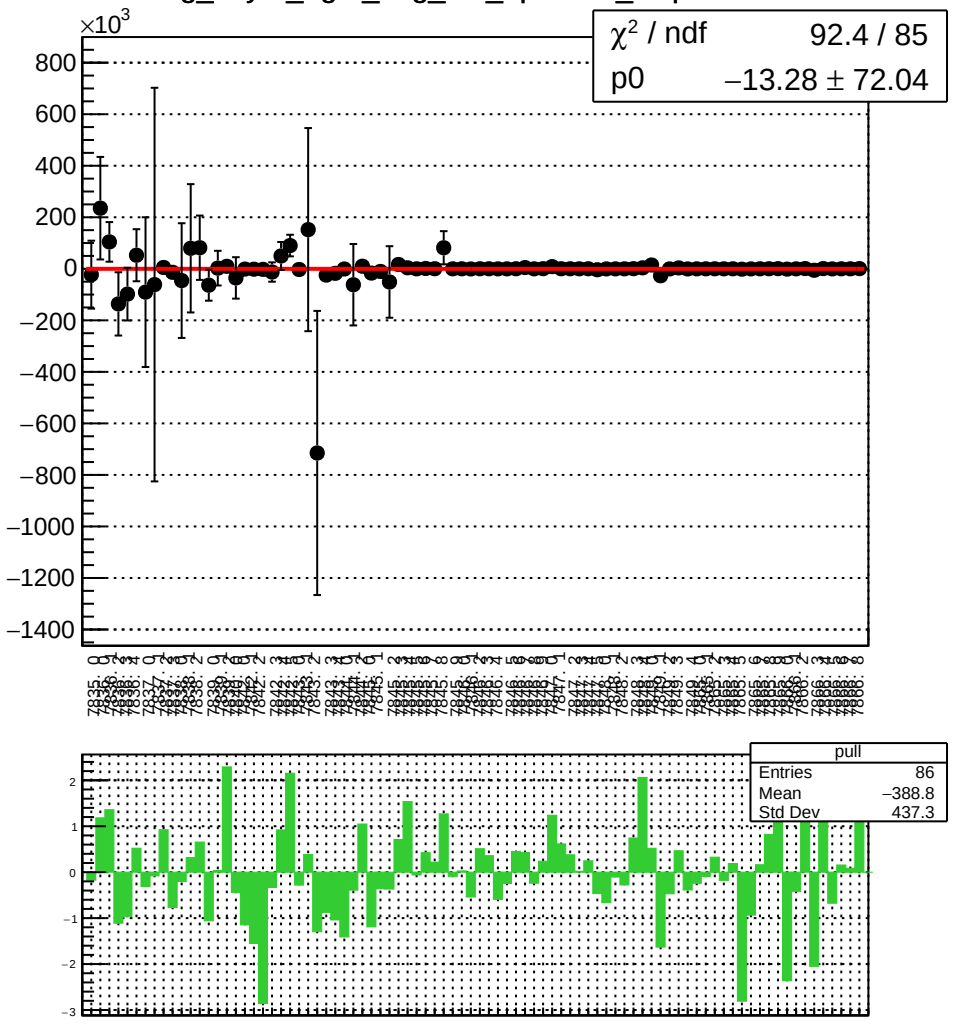

pull1D
Entries 85
Mean −0.02276
Std Dev 0.8879
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

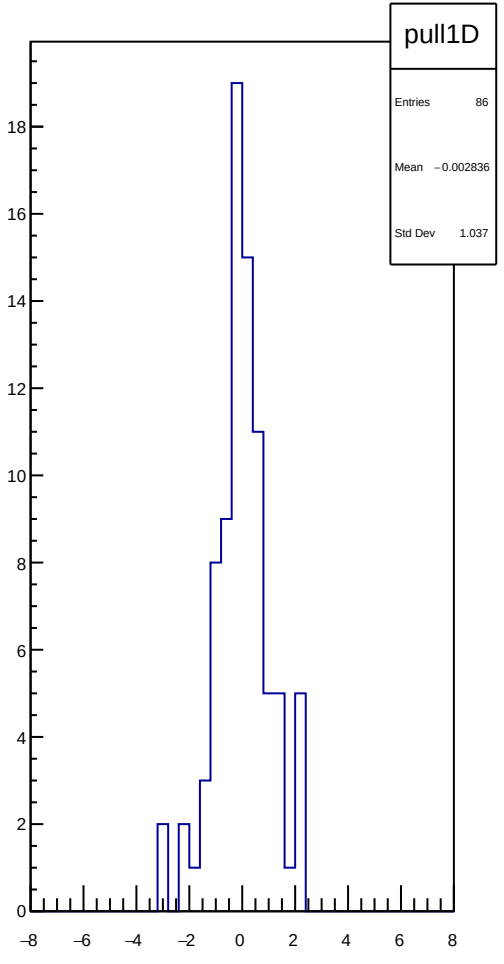

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 91.97 / 85
p0 19.82 ± 62.96
1000
500
0
−500
−1000
pull
Entries 86
Mean 192.7
Std Dev 125.8
3
2
1
0
−1
−2

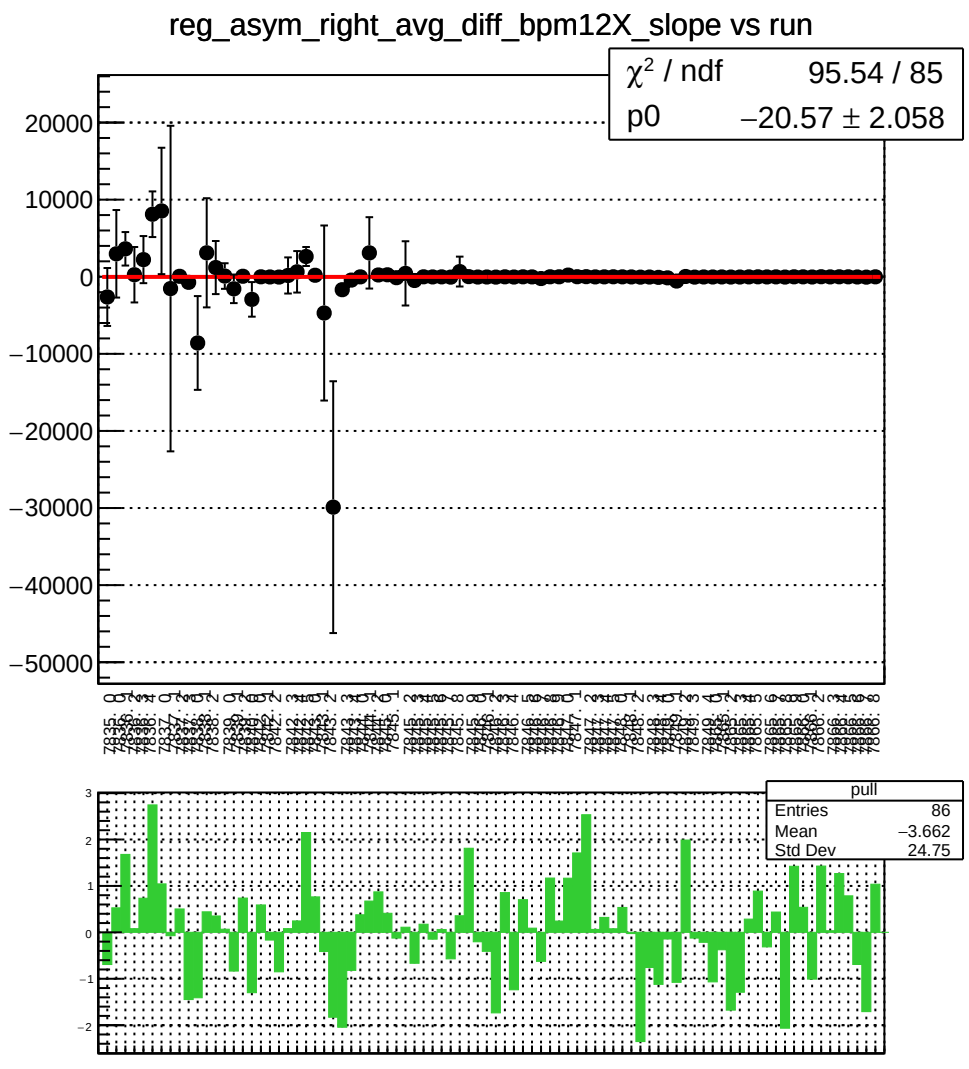

pull1D
Entries 86
Mean −0.005007
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

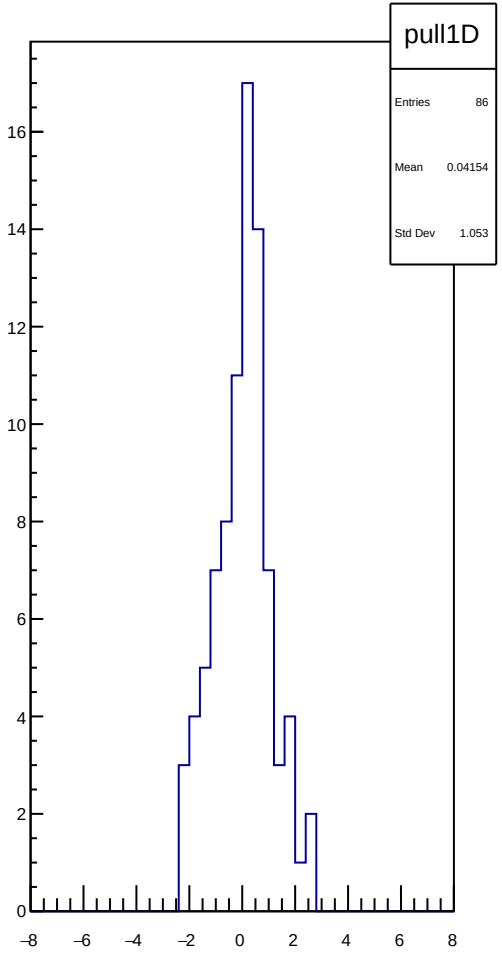

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.42 / 85
p0 126.7 ± 51.55
×10³
1500
1000
500
0
−500
pull
Entries 86
Mean 12.89
Std Dev 40.79
2
1
0
−1
−2

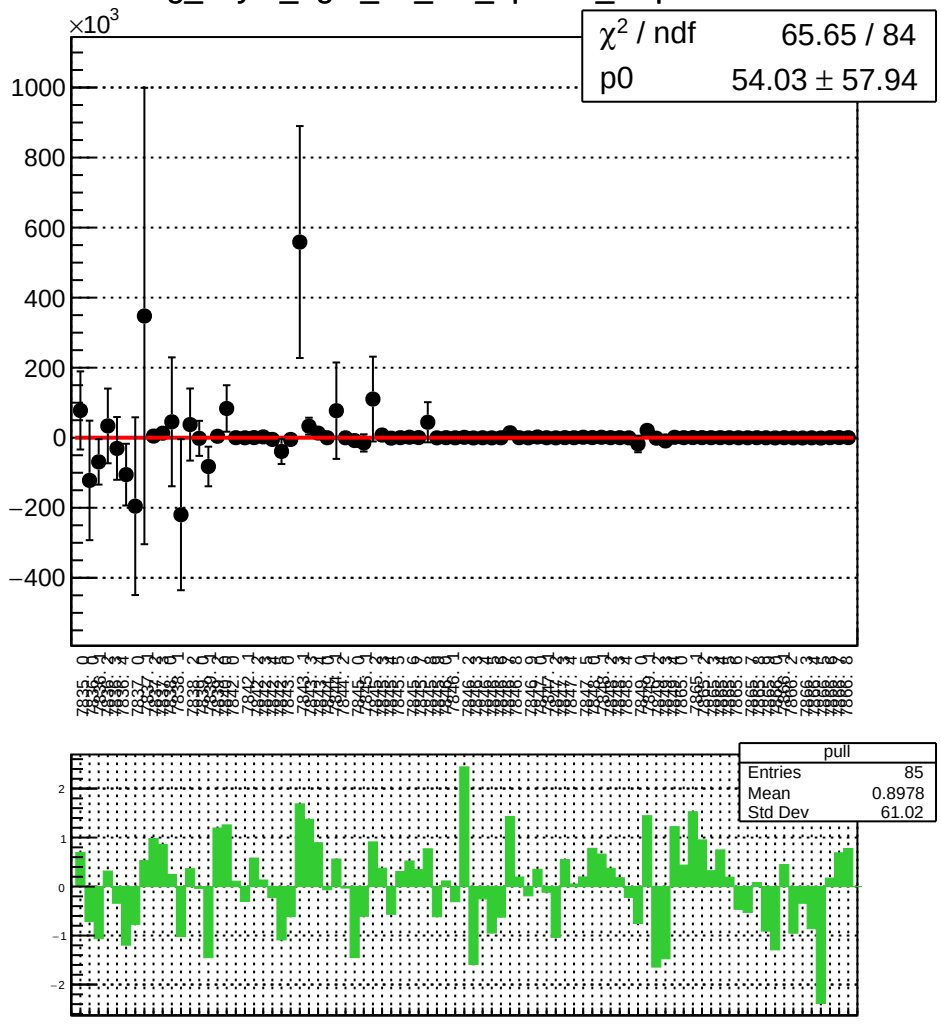

pull1D
Entries 86
Mean 0.05219
Std Dev 0.9225
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

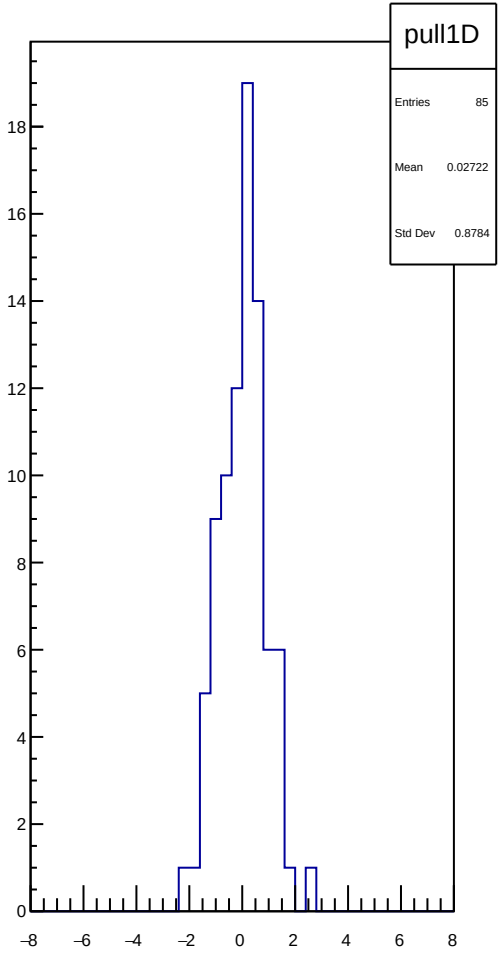

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 92.4 / 85
p0 −13.28 ± 72.04
×10³
pull
Entries 86
Mean −388.8
Std Dev 437.3

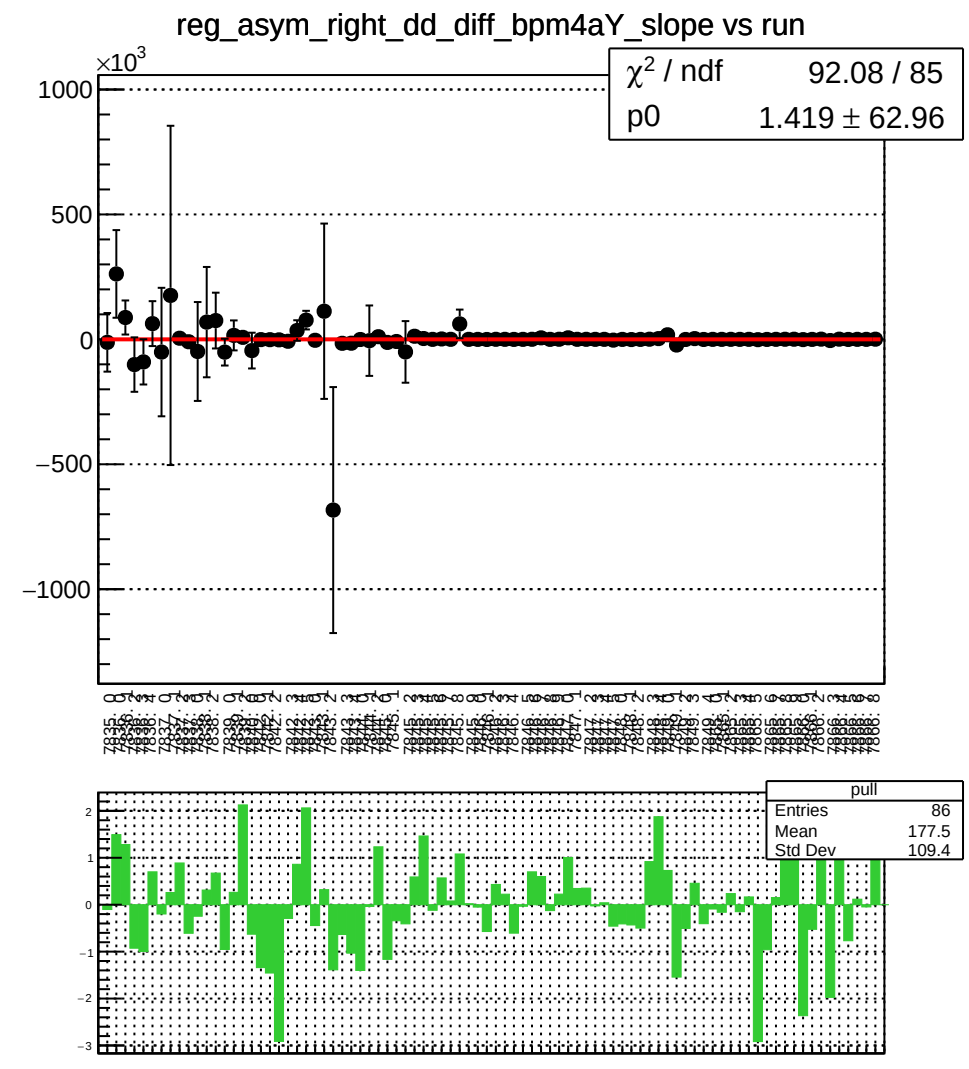

pull1D
Entries 86
Mean −0.002836
Std Dev 1.037

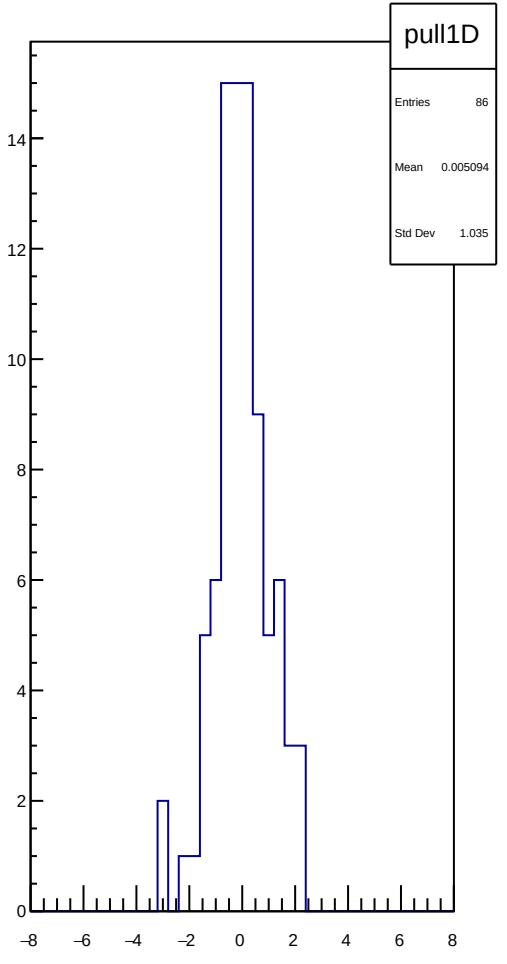

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 95.54 / 85
p0 −20.57 ± 2.058
pull
Entries 86
Mean −3.662
Std Dev 24.75

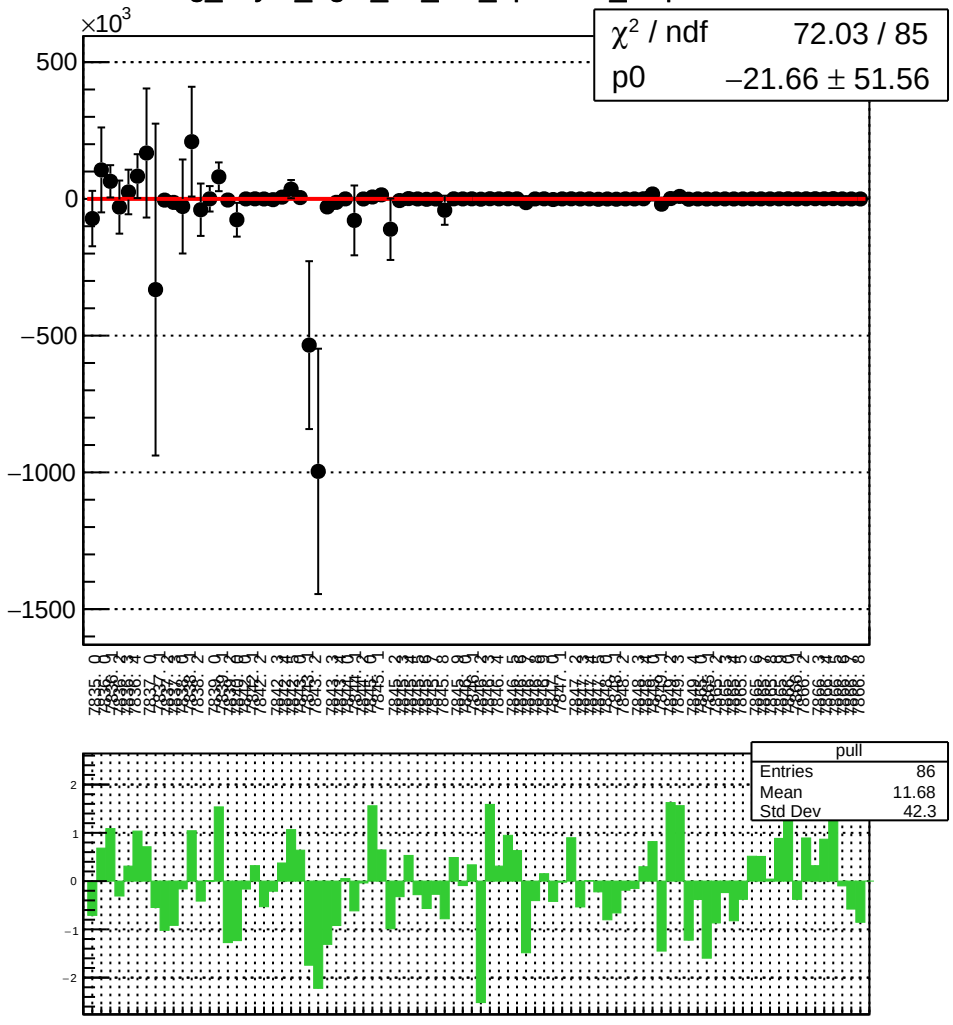

pull1D
Entries 86
Mean 0.04154
Std Dev 1.053

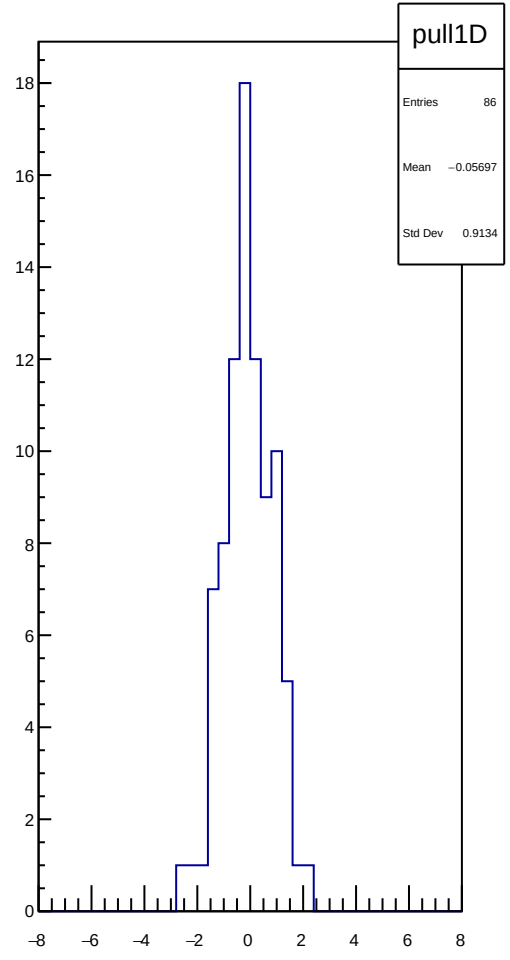

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 65.65 / 84
p0 54.03 ± 57.94
pull
Entries 85
Mean 0.8978
Std Dev 61.02

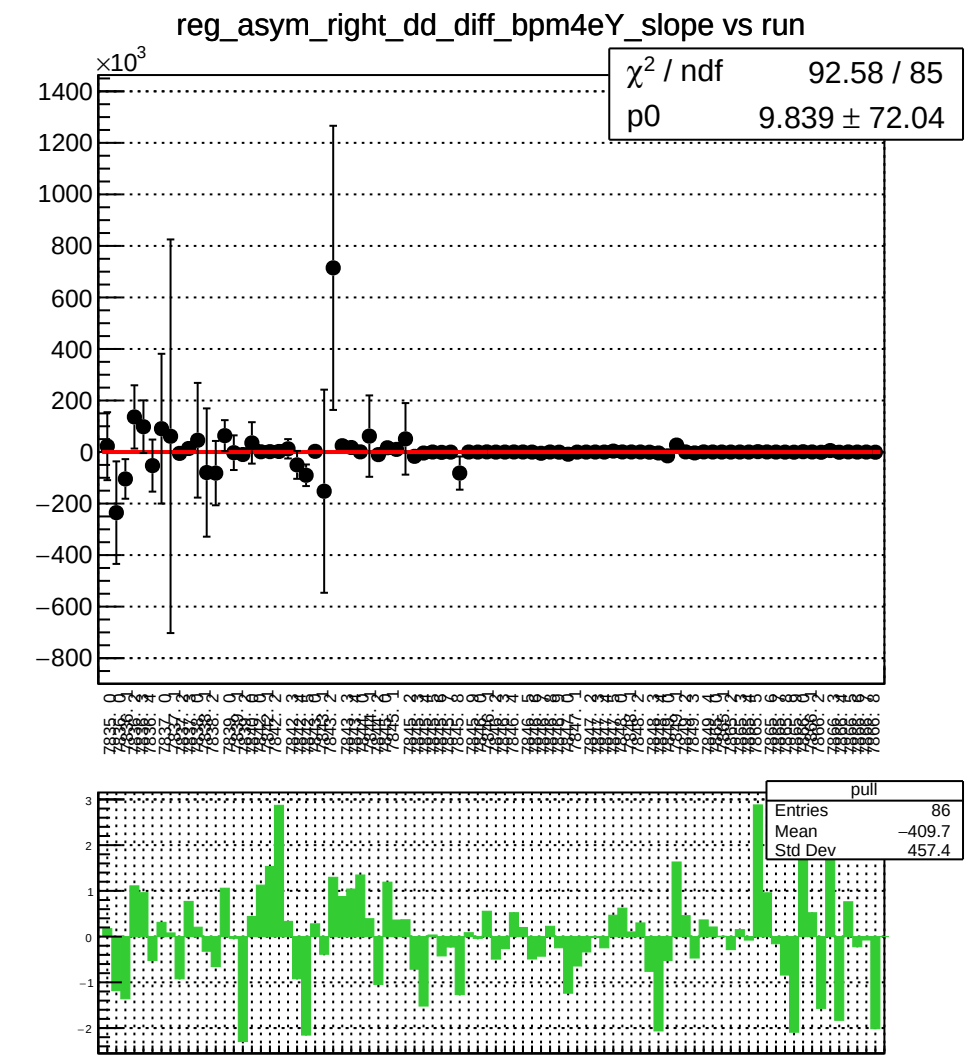

pull1D
Entries 85
Mean 0.02722
Std Dev 0.8784

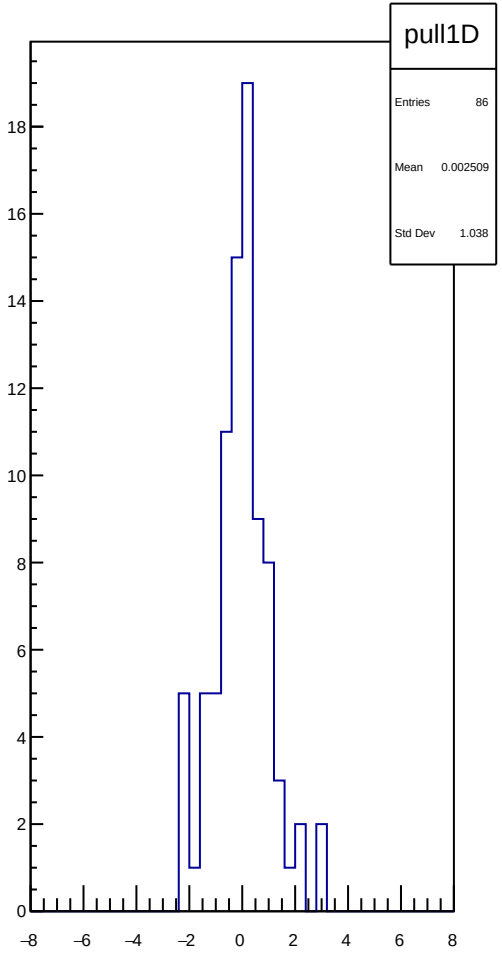

reg_asym_right_dd_diff_bpm4aY_slope vs run
×10^3
1000
500
0
−500
−1000
χ² / ndf 92.08 / 85
p0 1.419 ± 62.96
pull
Entries 86
Mean 177.5
Std Dev 109.4
2
1
0
−1
−2
−3

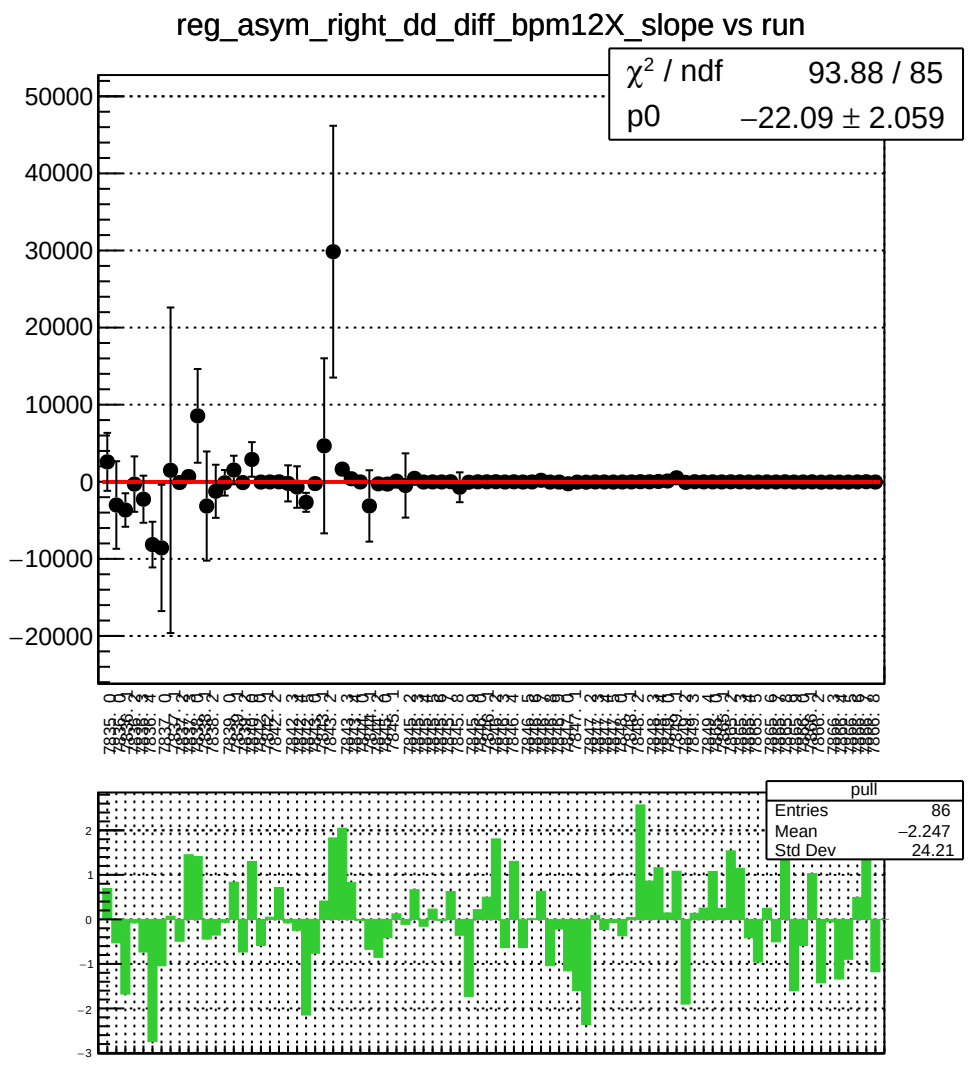

pull1D
Entries 86
Mean 0.005094
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

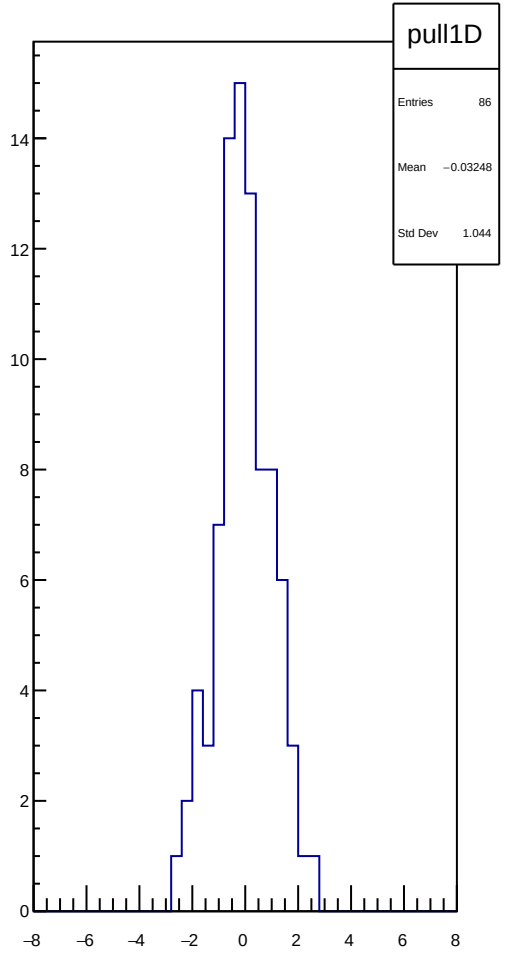

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 72.03 / 85
p0 −21.66 ± 51.56
×10³
500
0
−500
−1000
−1500
pull
Entries 86
Mean 11.68
Std Dev 42.3
2
1
0
−1
−2

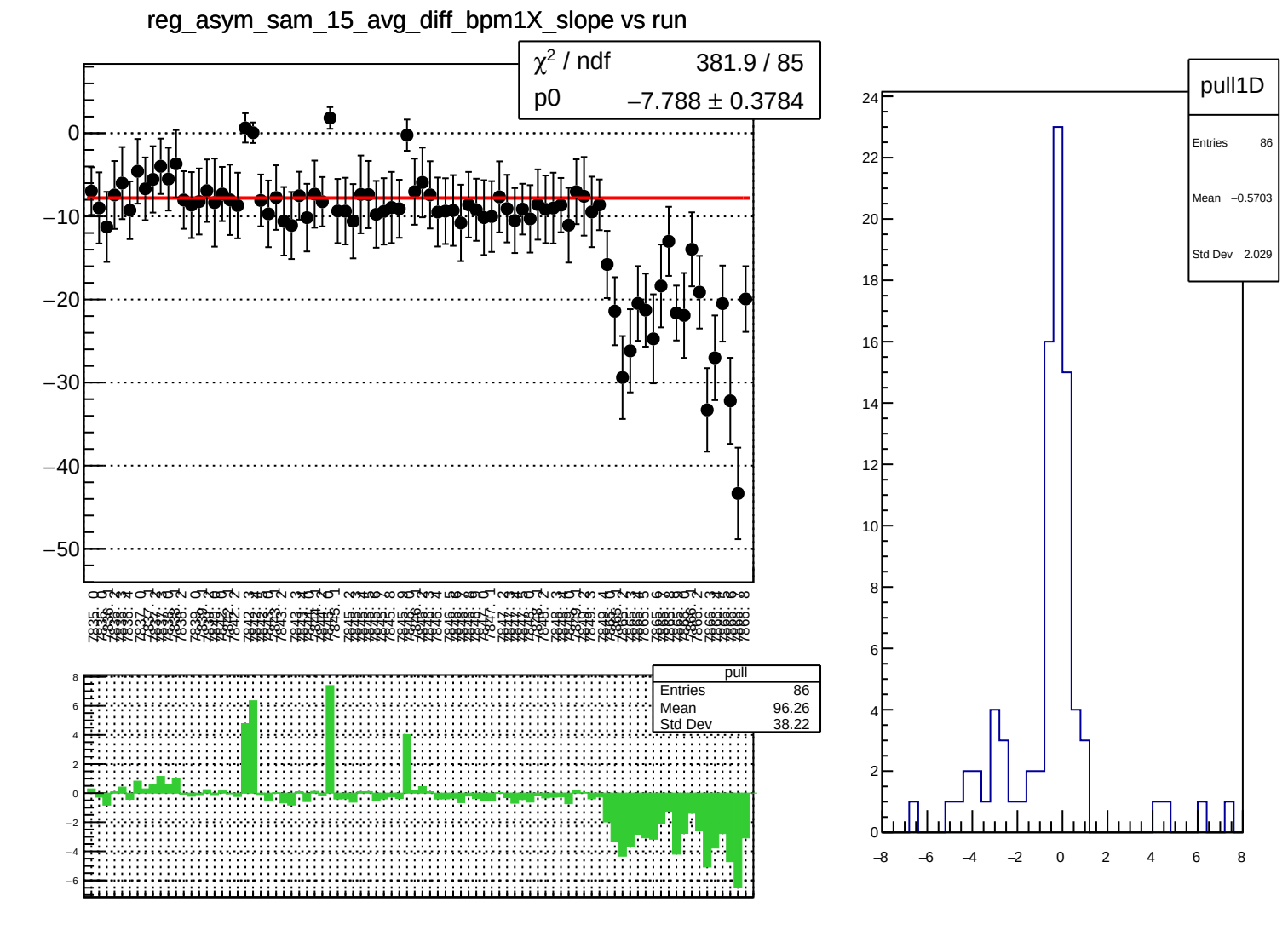

pull1D
Entries 86
Mean −0.05697
Std Dev 0.9134
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

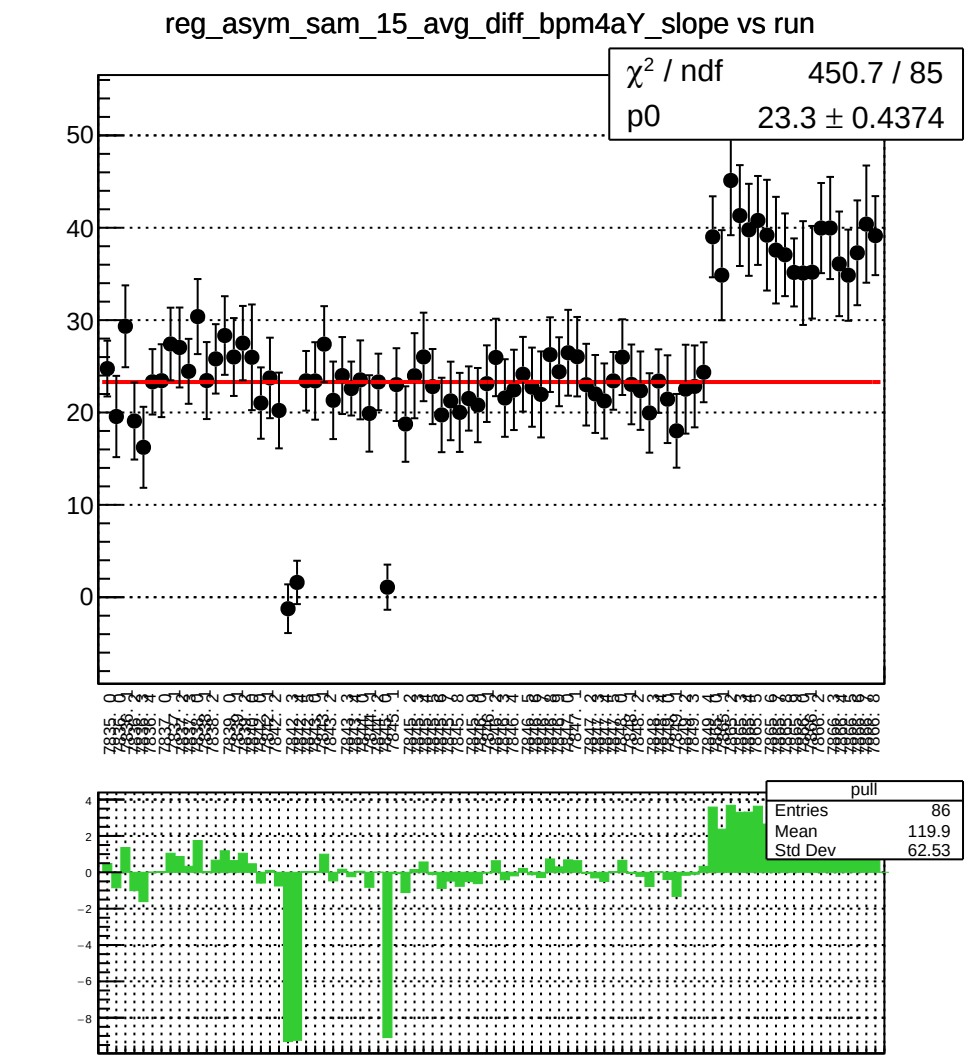

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 92.58 / 85
p0 9.839 ± 72.04
×10³
pull
Entries 86
Mean −409.7
Std Dev 457.4

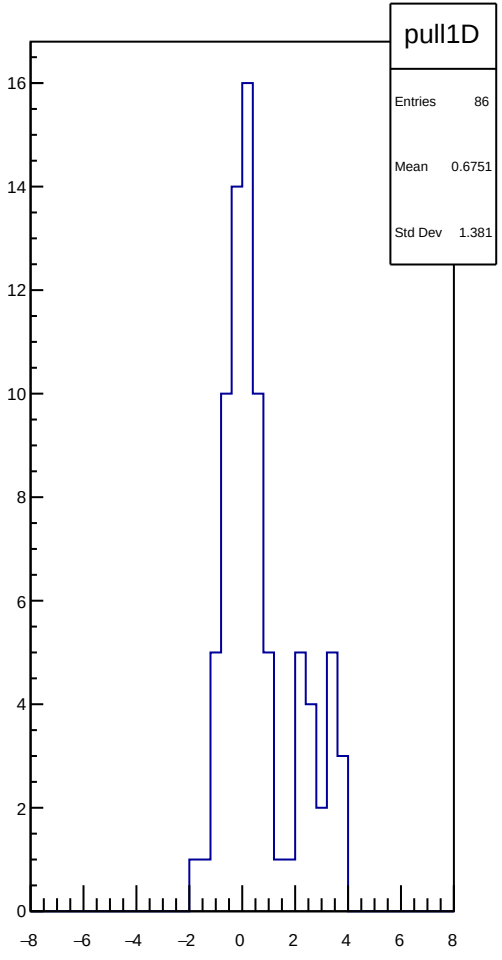

pull1D
Entries 86
Mean 0.002509
Std Dev 1.038

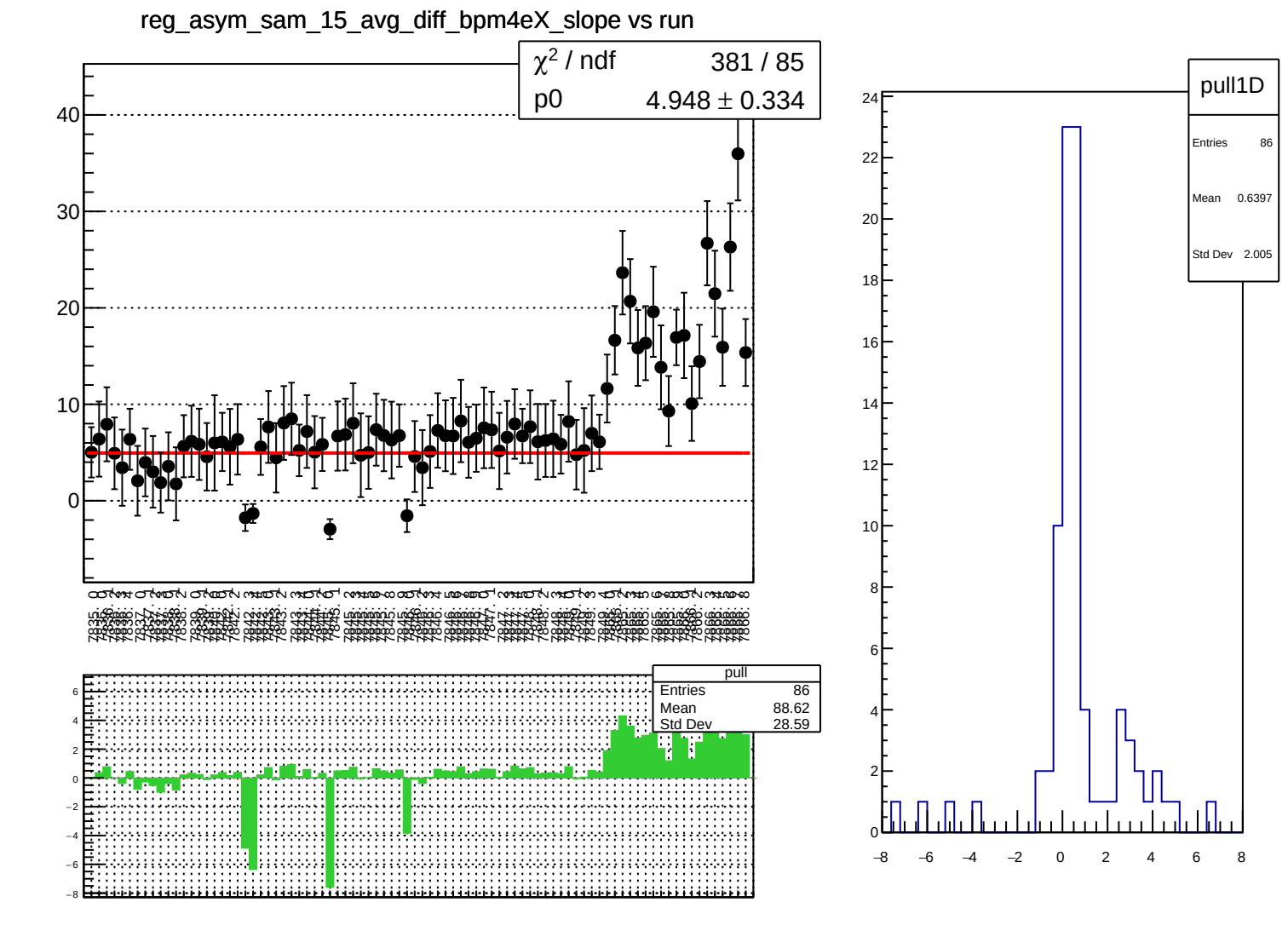

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 93.88 / 85
p0 −22.09 ± 2.059
50000
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −2.247
Std Dev 24.21
2
1
0
−1
−2
−3

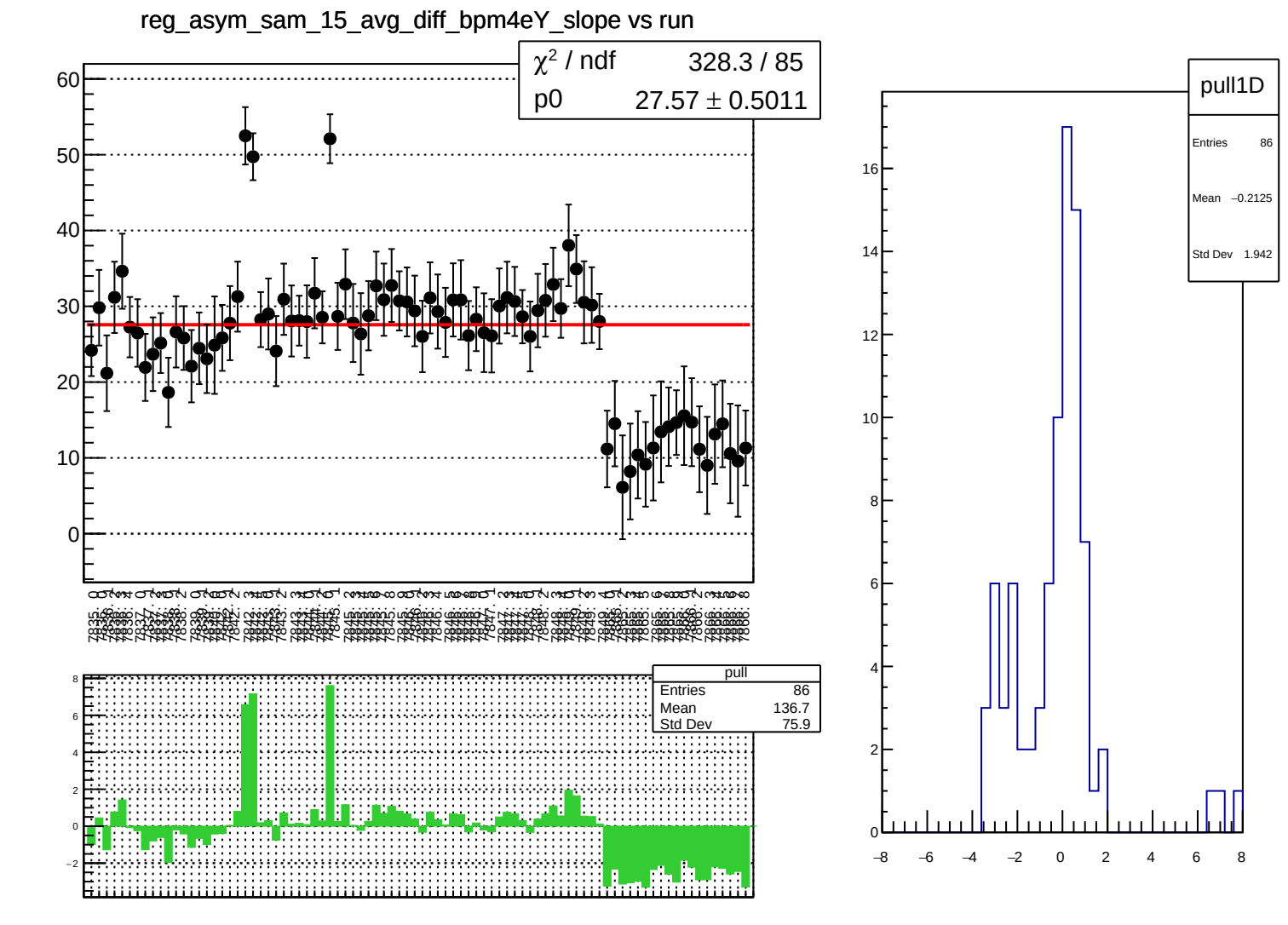

pull1D
Entries 86
Mean −0.03248
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

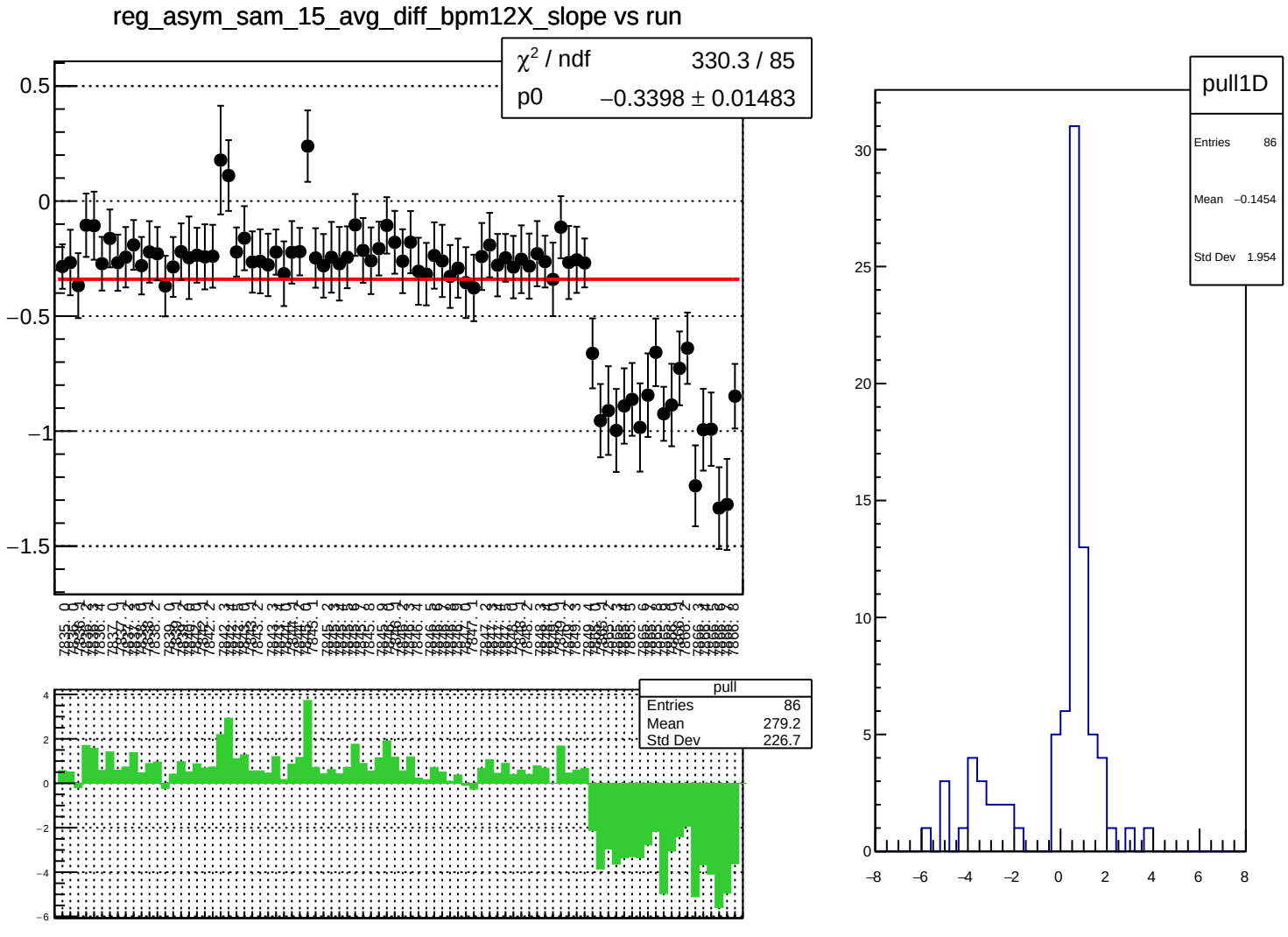

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 381.9 / 85
p0 −7.788 ± 0.3784
pull
Entries 86
Mean 96.26
Std Dev 38.22
pull1D
Entries 86
Mean −0.5703
Std Dev 2.029

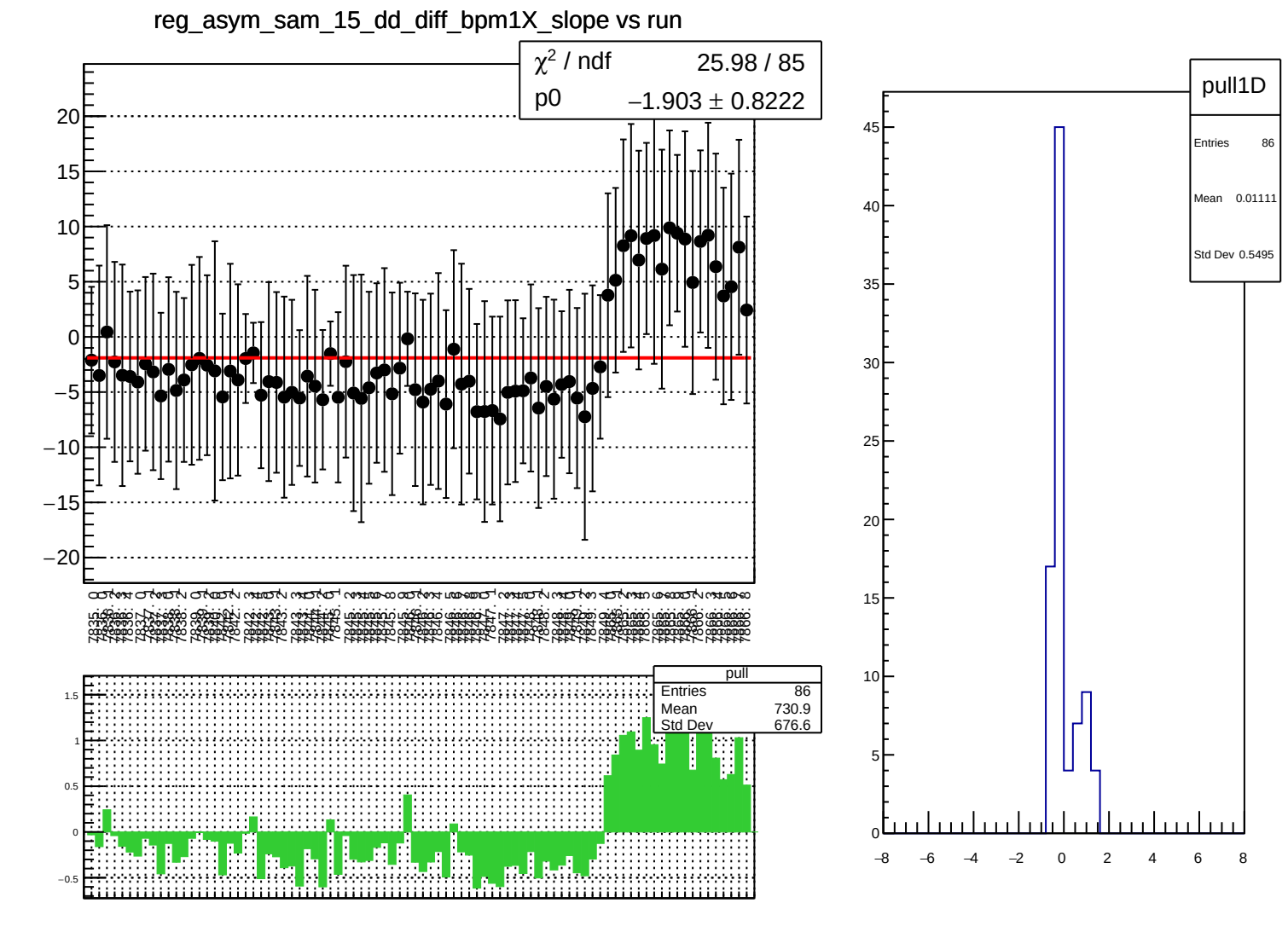

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 450.7 / 85
p0 23.3 ± 0.4374
pull
Entries 86
Mean 119.9
Std Dev 62.53

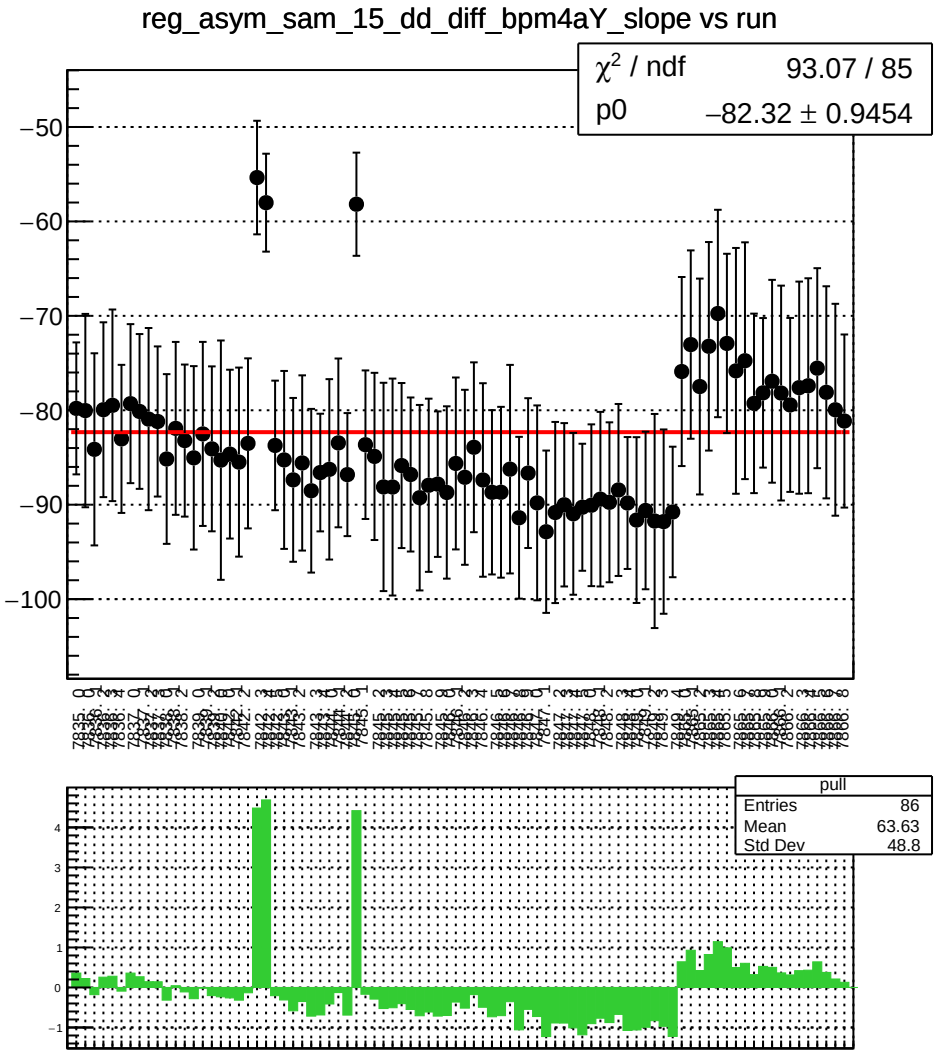

pull1D
Entries 86
Mean 0.6751
Std Dev 1.381

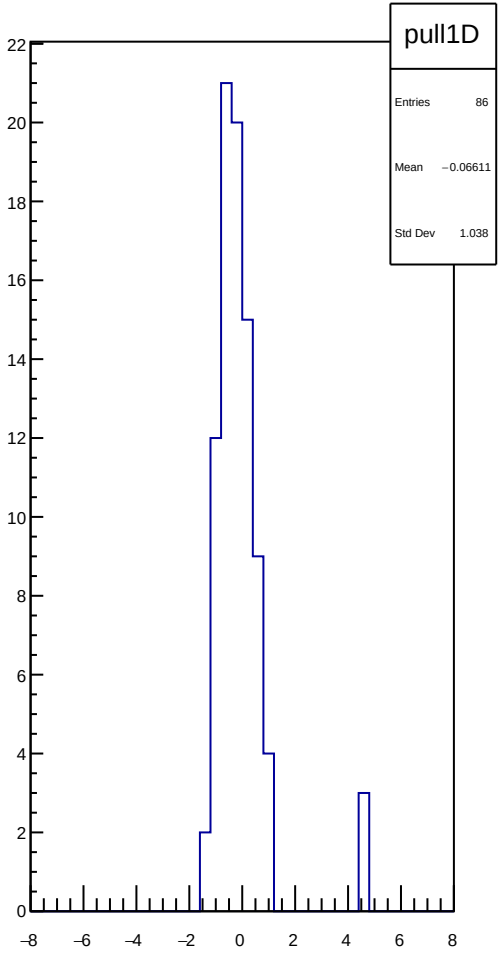

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 381 / 85
p0 4.948 ± 0.334
pull
Entries 86
Mean 88.62
Std Dev 28.59
pull1D
Entries 86
Mean 0.6397
Std Dev 2.005

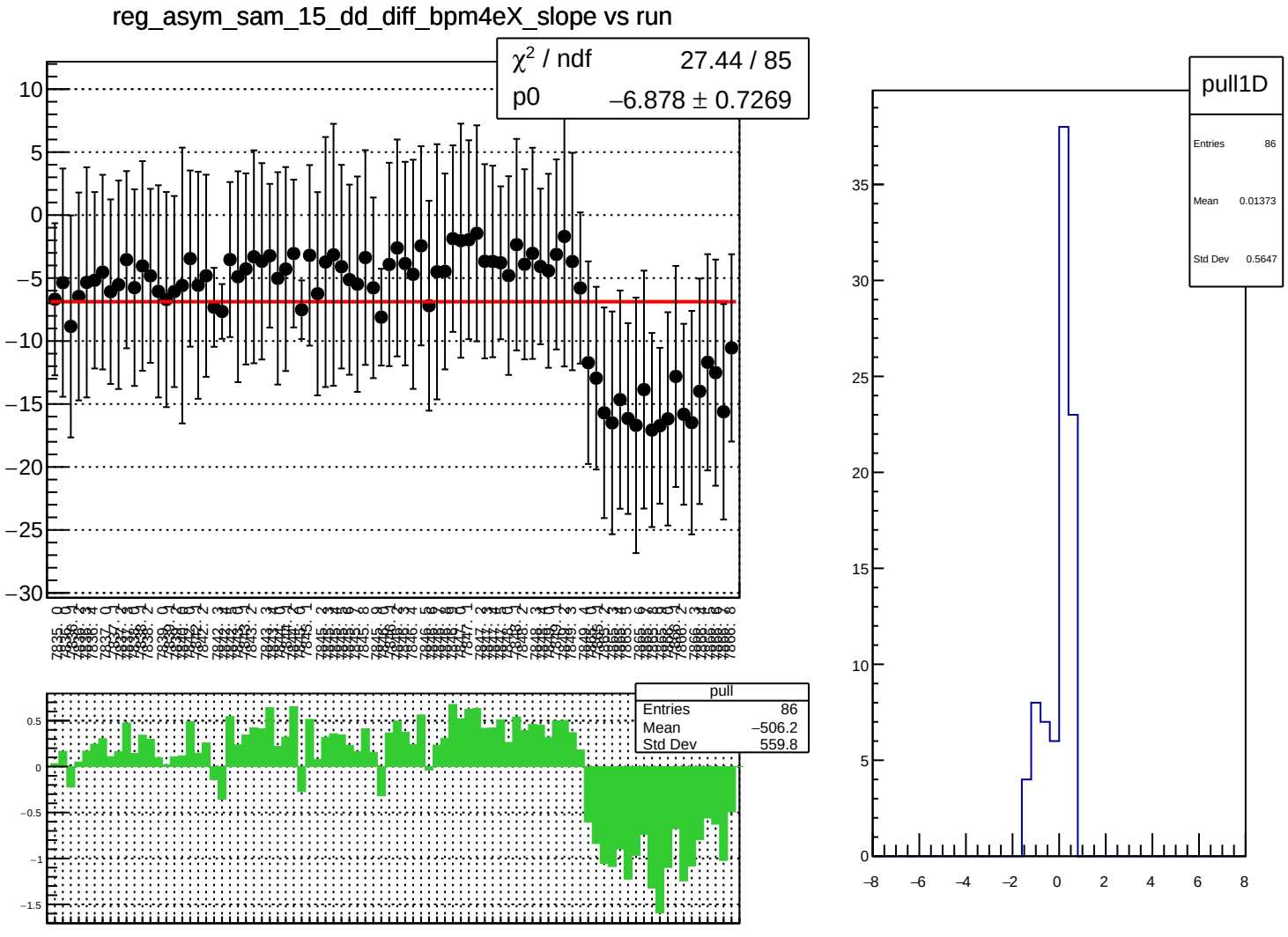

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 328.3 / 85
p0 27.57 ± 0.5011
pull
Entries 86
Mean 136.7
Std Dev 75.9
pull1D
Entries 86
Mean −0.2125
Std Dev 1.942

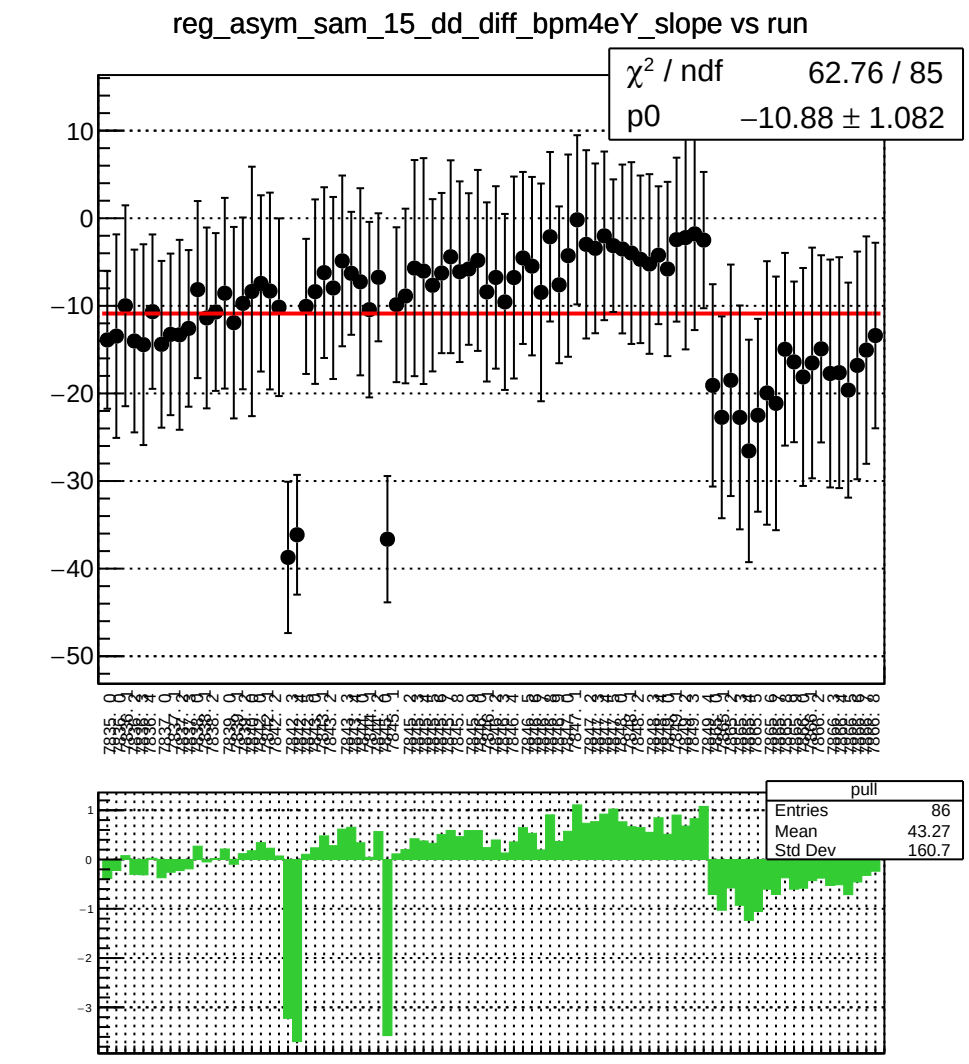

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 330.3 / 85
p0 −0.3398 ± 0.01483
pull
Entries 86
Mean 279.2
Std Dev 226.7
pull1D
Entries 86
Mean −0.1454
Std Dev 1.954

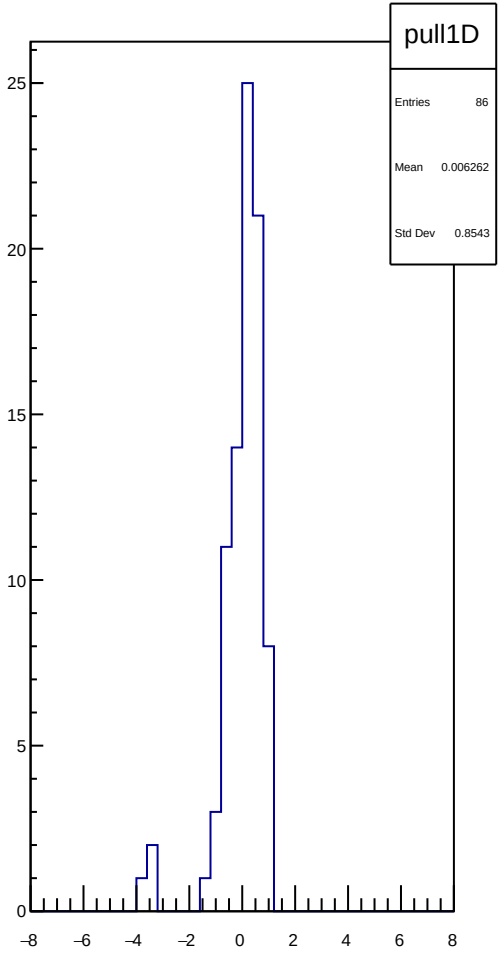

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 25.98 / 85
p0 −1.903 ± 0.8222
pull
Entries 86
Mean 730.9
Std Dev 676.6
pull1D
Entries 86
Mean 0.01111
Std Dev 0.5495

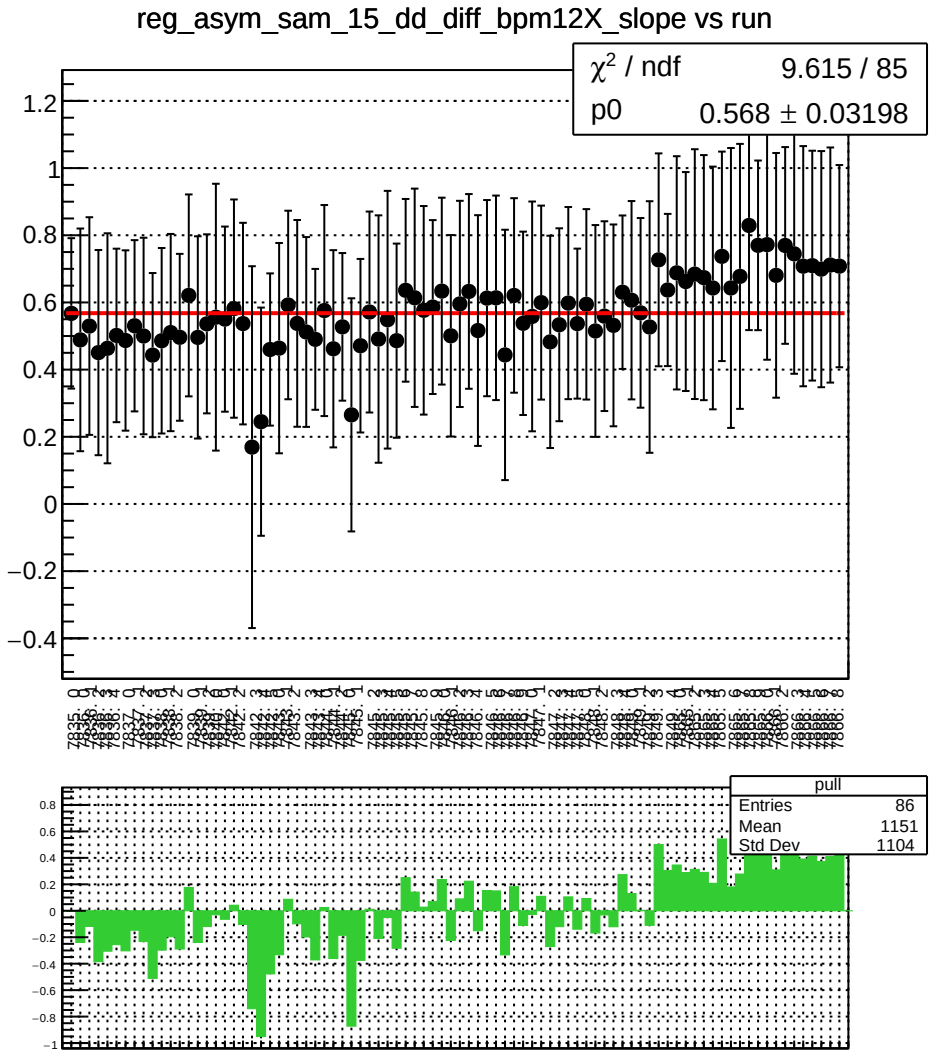

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 93.07 / 85
p0 −82.32 ± 0.9454
pull
Entries 86
Mean 63.63
Std Dev 48.8

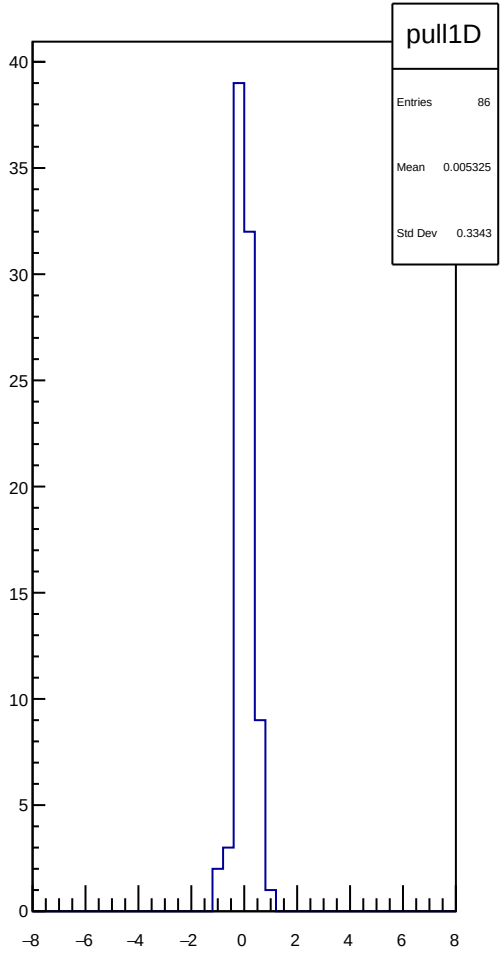

pull1D
Entries 86
Mean −0.06611
Std Dev 1.038

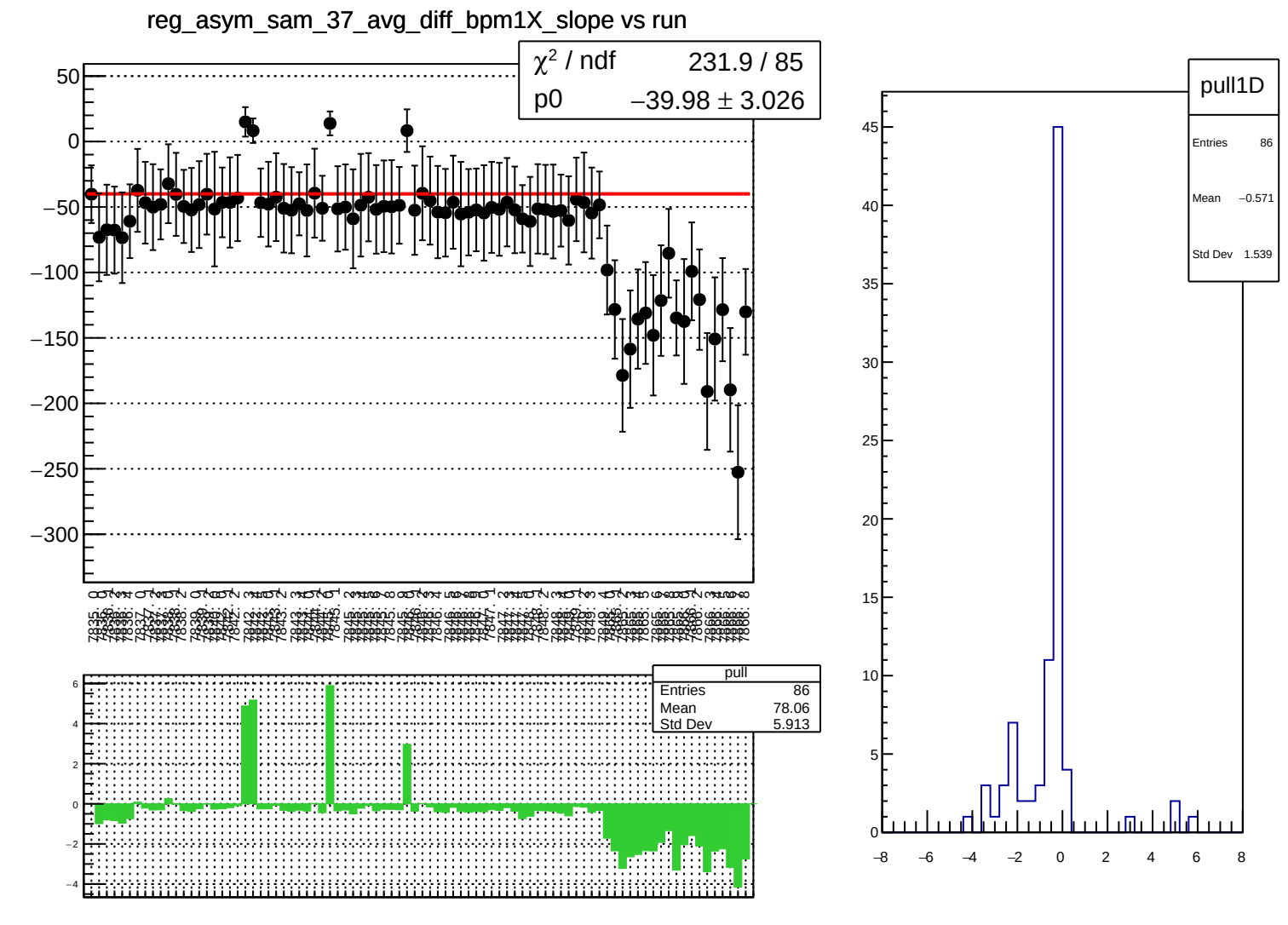

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.44 / 85
p0 −6.878 ± 0.7269
pull
Entries 86
Mean −506.2
Std Dev 559.8
pull1D
Entries 86
Mean 0.01373
Std Dev 0.5647

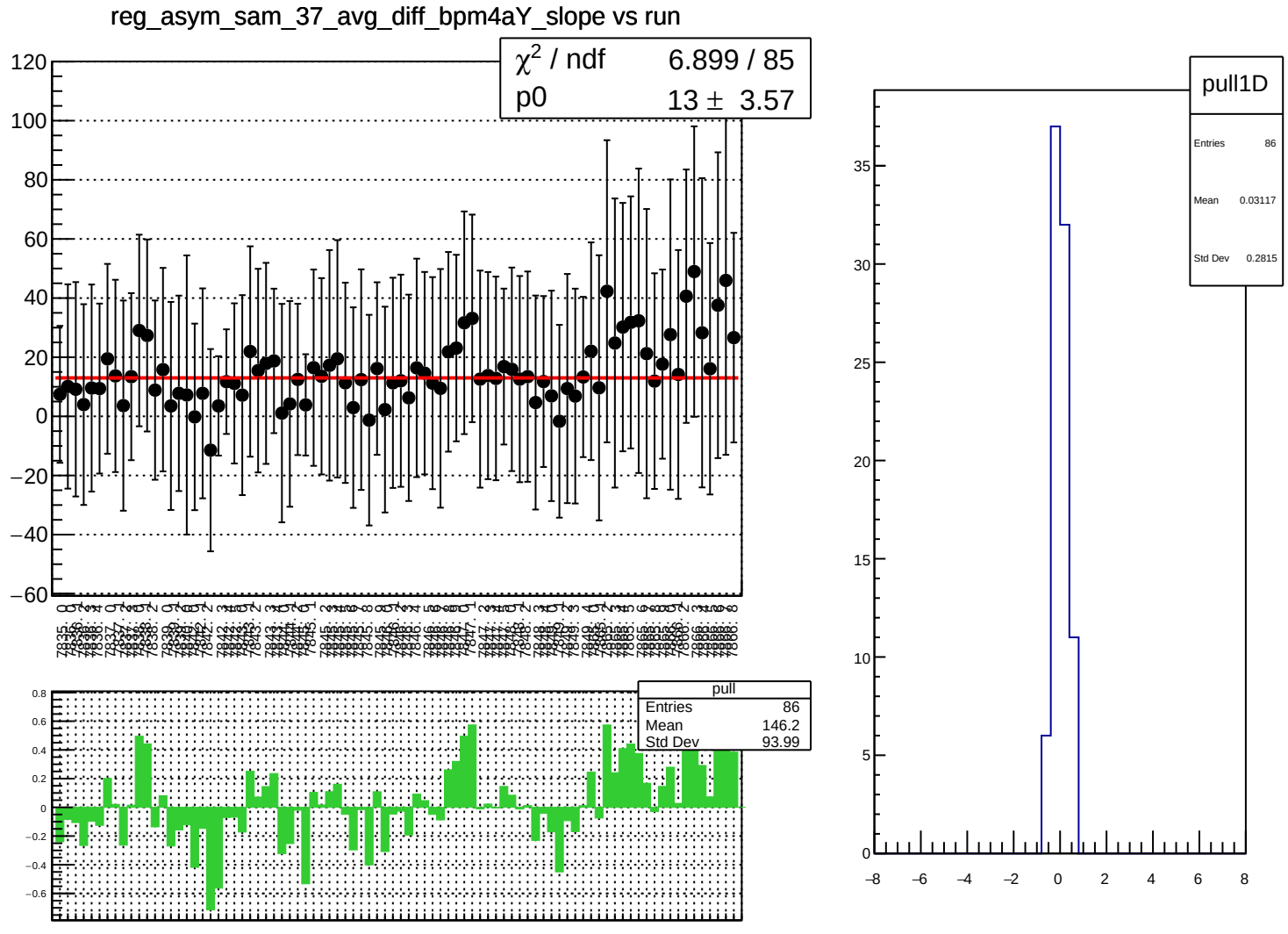

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.76 / 85
p0 −10.88 ± 1.082
pull
Entries 86
Mean 43.27
Std Dev 160.7

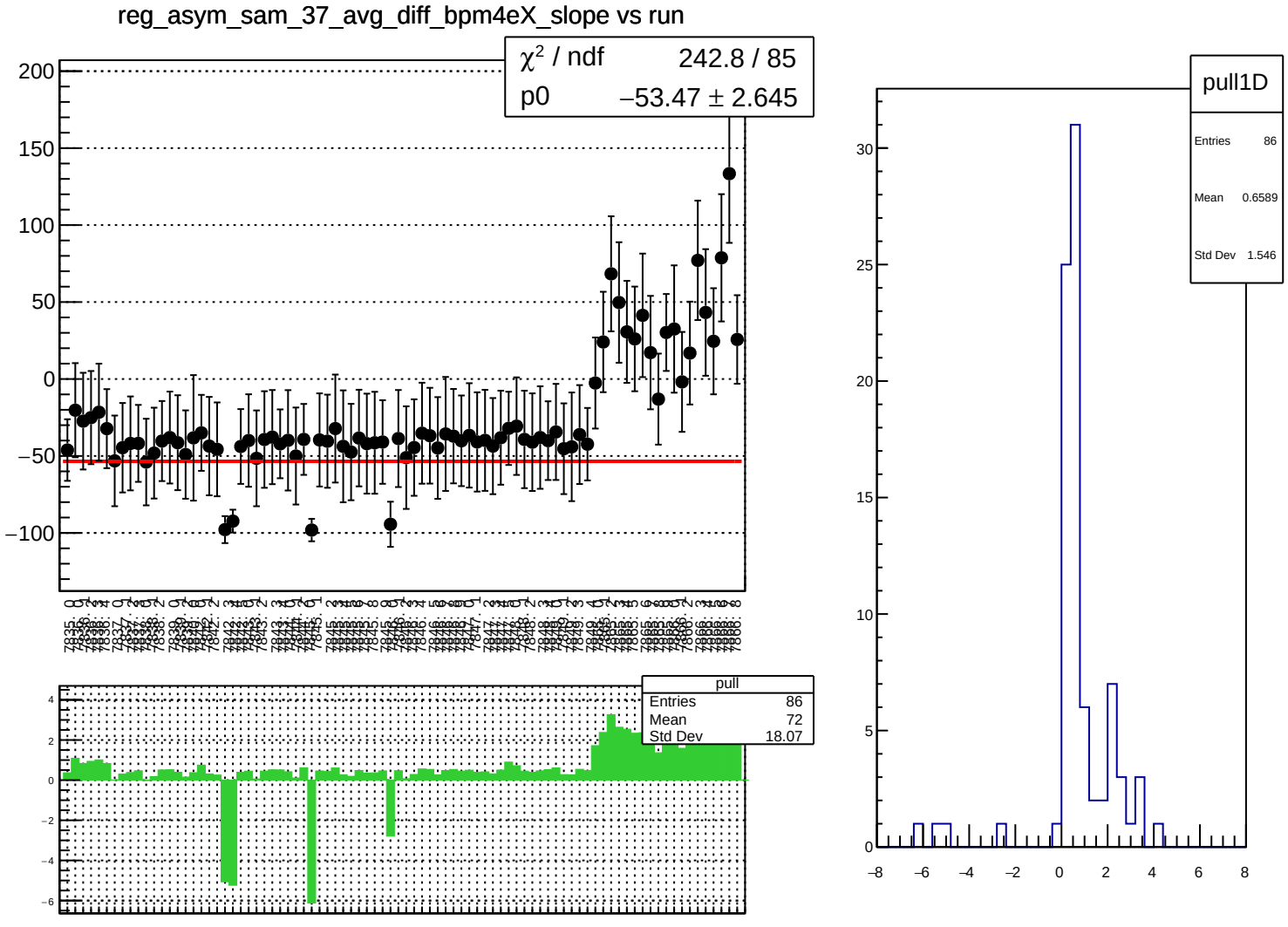

pull1D
Entries 86
Mean 0.006262
Std Dev 0.8543

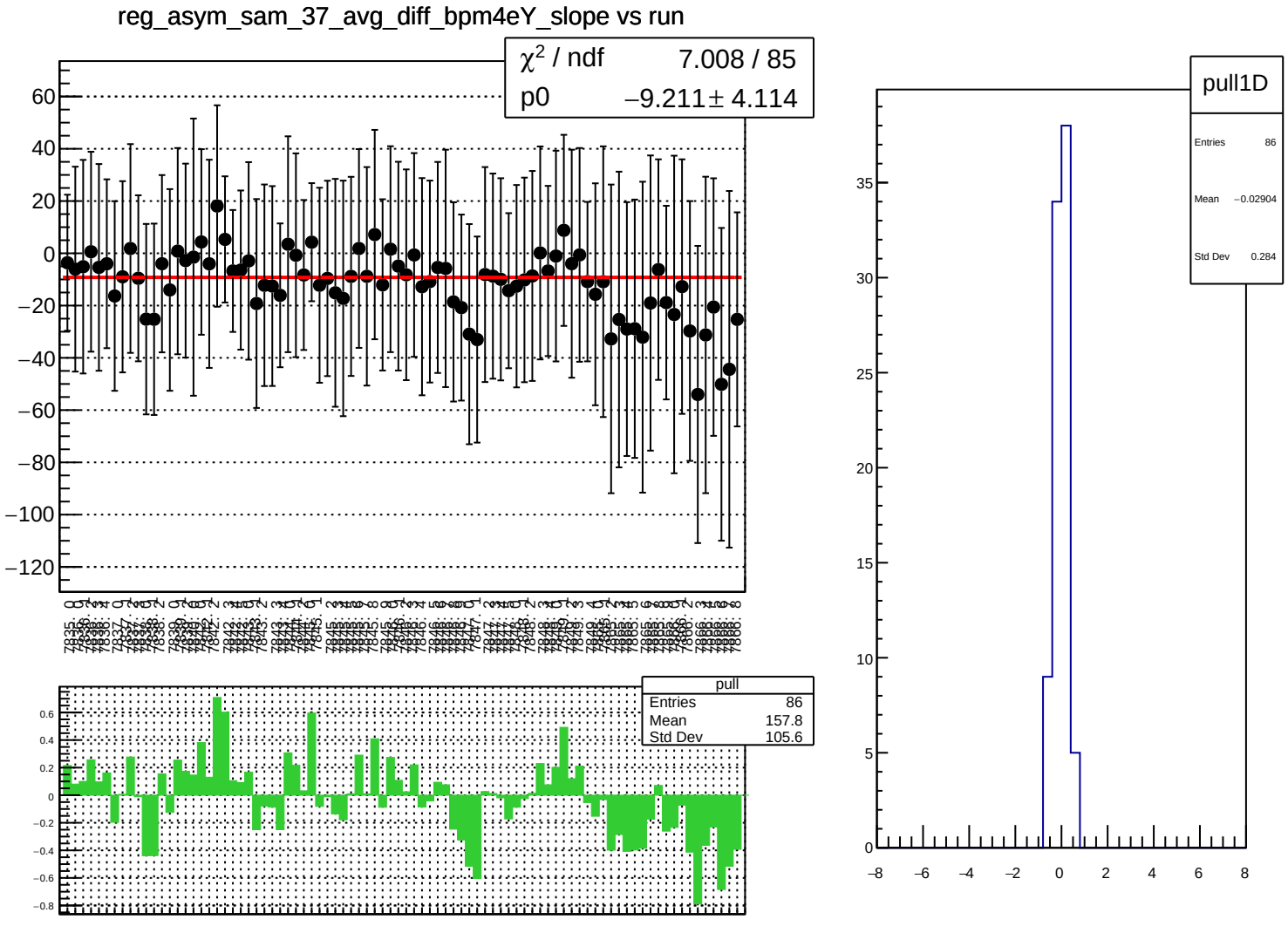

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 9.615 / 85
p0 0.568 ± 0.03198
pull
Entries 86
Mean 1151
Std Dev 1104

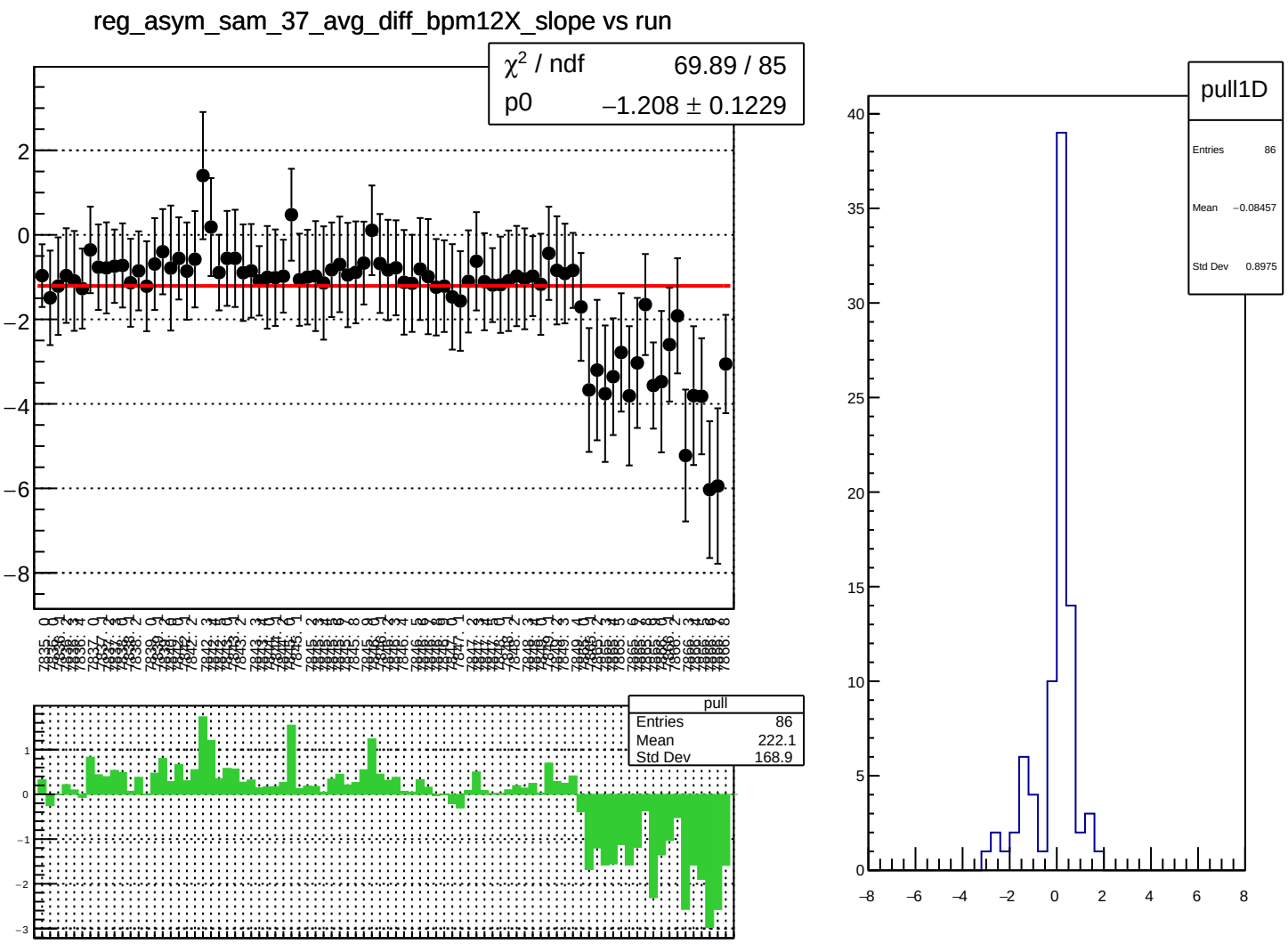

pull1D
Entries 86
Mean 0.005325
Std Dev 0.3343

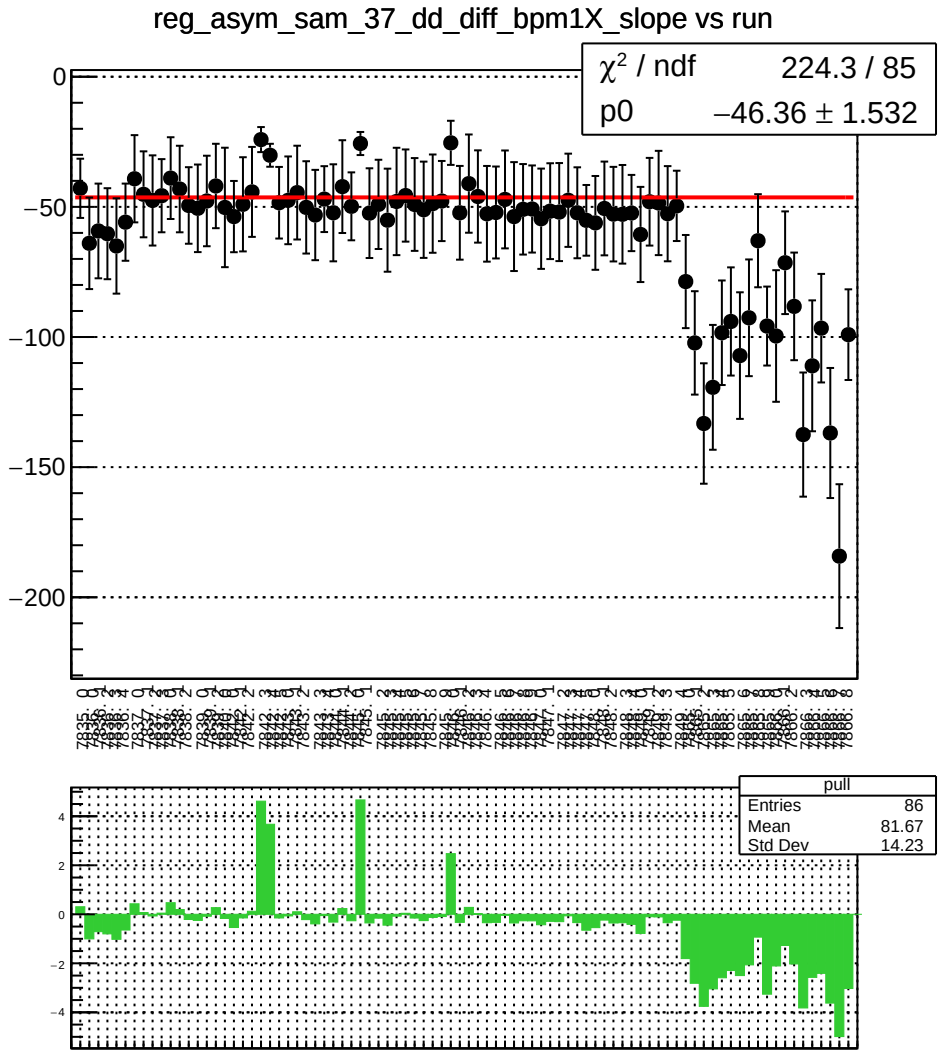

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 231.9 / 85
p0 −39.98 ± 3.026
pull
Entries 86
Mean 78.06
Std Dev 5.913
pull1D
Entries 86
Mean −0.571
Std Dev 1.539

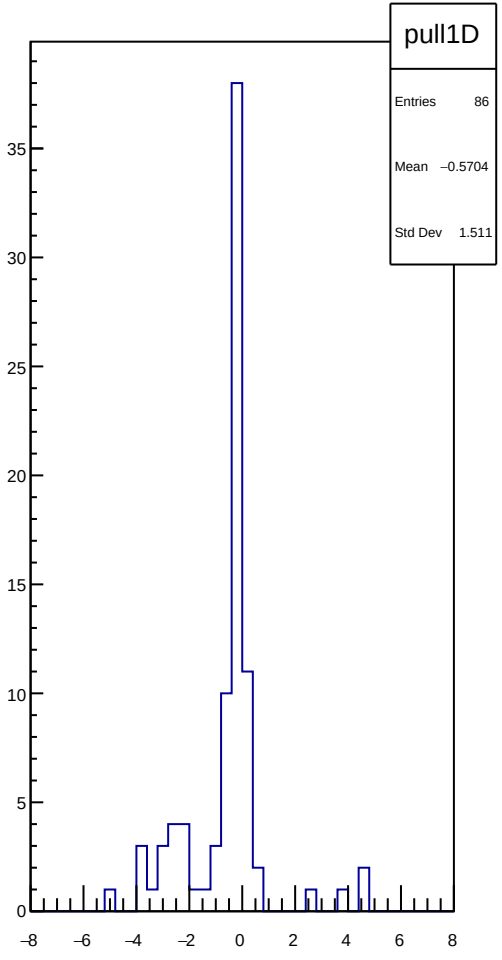

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.899 / 85
p0 13 ± 3.57
pull
Entries 86
Mean 146.2
Std Dev 93.99
pull1D
Entries 86
Mean 0.03117
Std Dev 0.2815

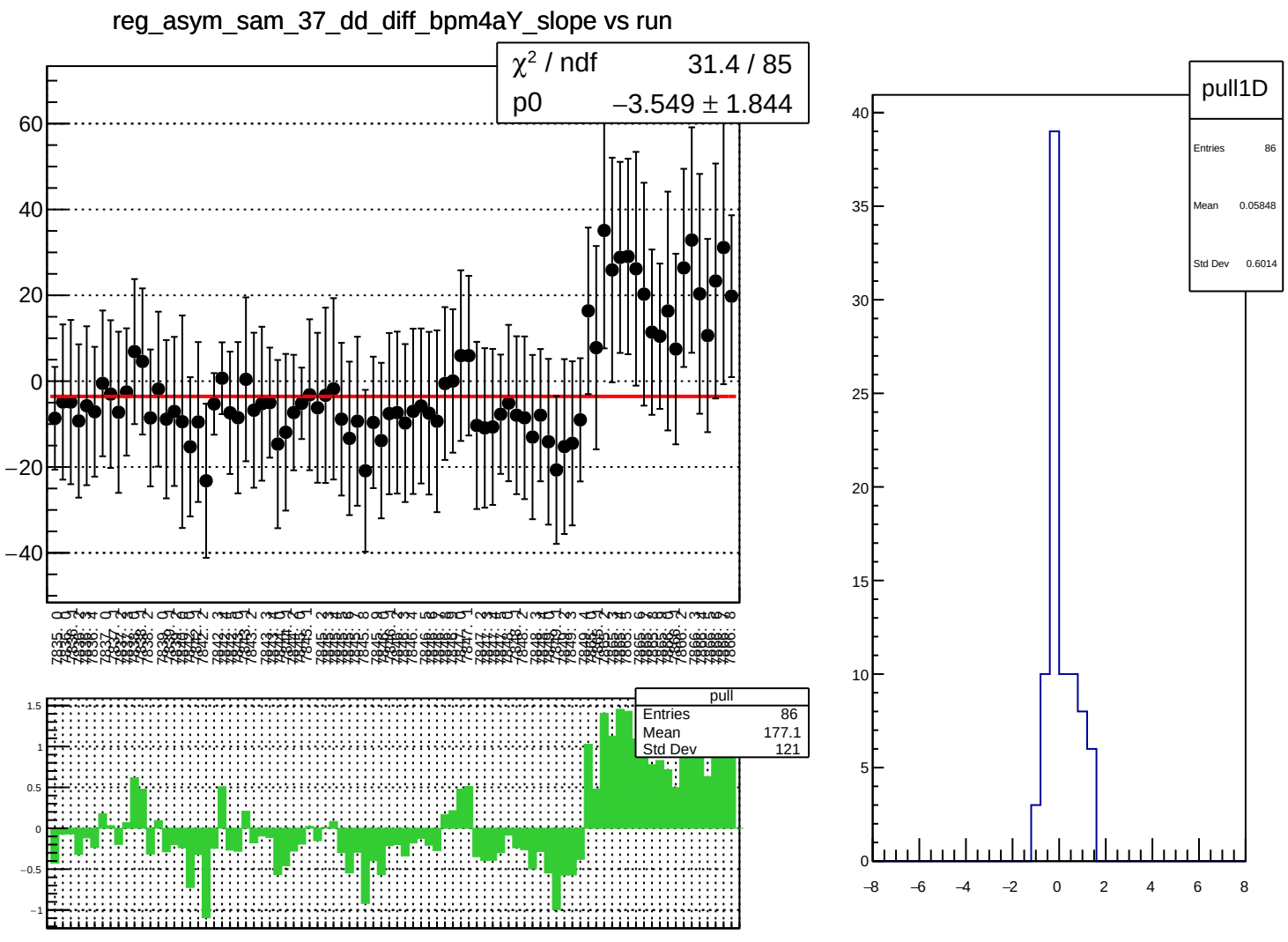

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 242.8 / 85
p0 −53.47 ± 2.645
pull
Entries 86
Mean 72
Std Dev 18.07
pull1D
Entries 86
Mean 0.6589
Std Dev 1.546

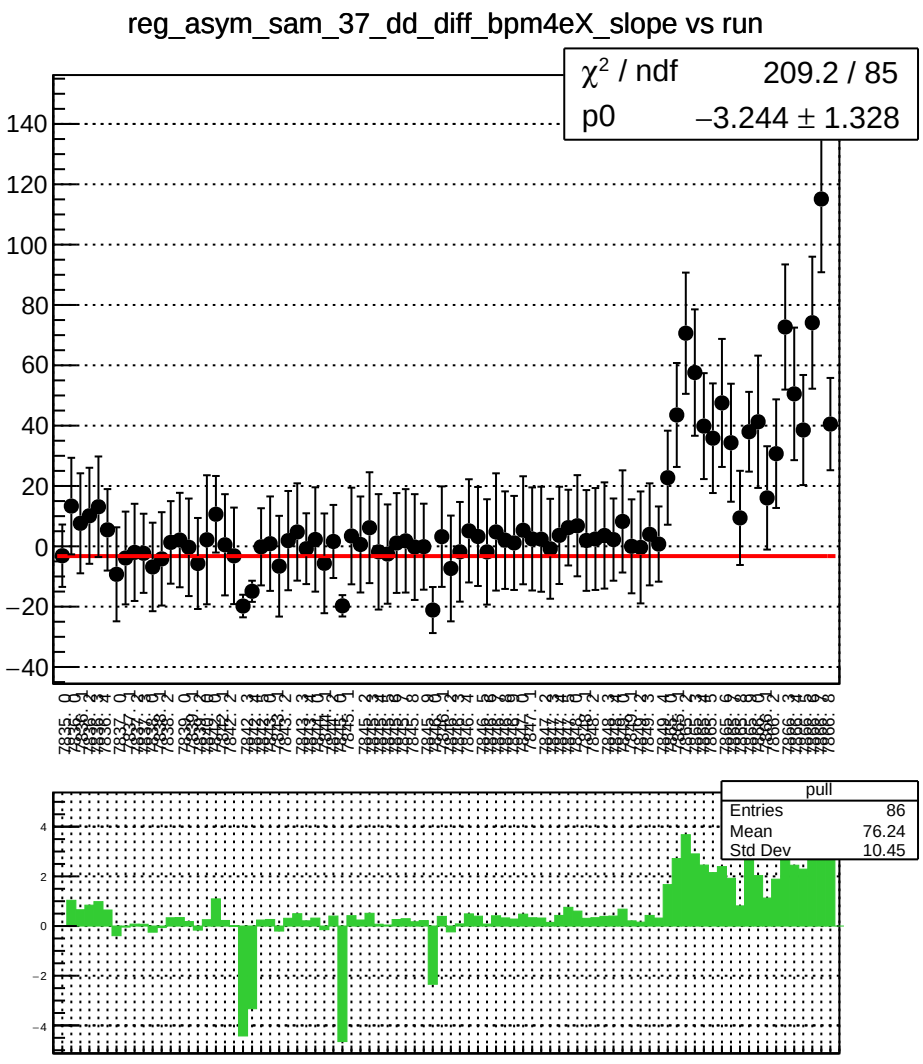

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.008 / 85
p0 −9.211 ± 4.114
pull
Entries 86
Mean 157.8
Std Dev 105.6
pull1D
Entries 86
Mean −0.02904
Std Dev 0.284

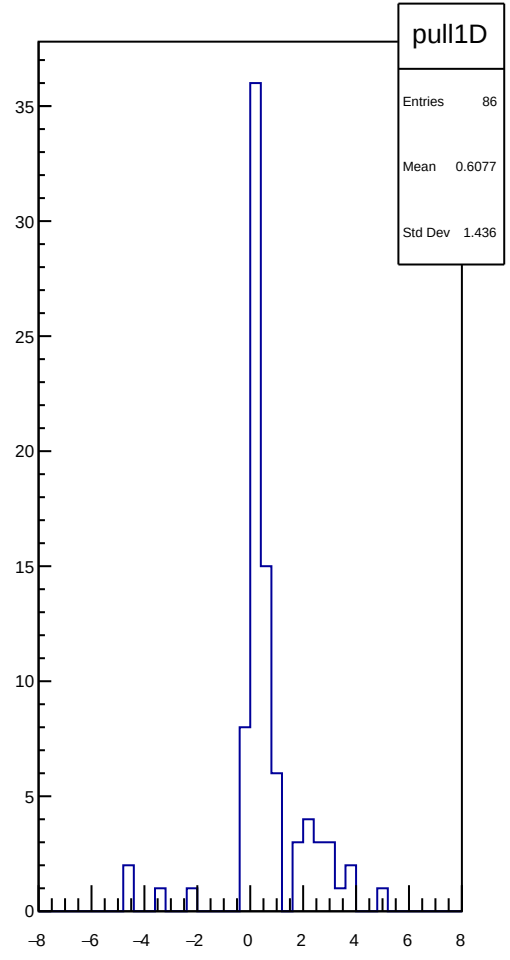

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 69.89 / 85
p0 −1.208 ± 0.1229
pull
Entries 86
Mean 222.1
Std Dev 168.9
pull1D
Entries 86
Mean −0.08457
Std Dev 0.8975

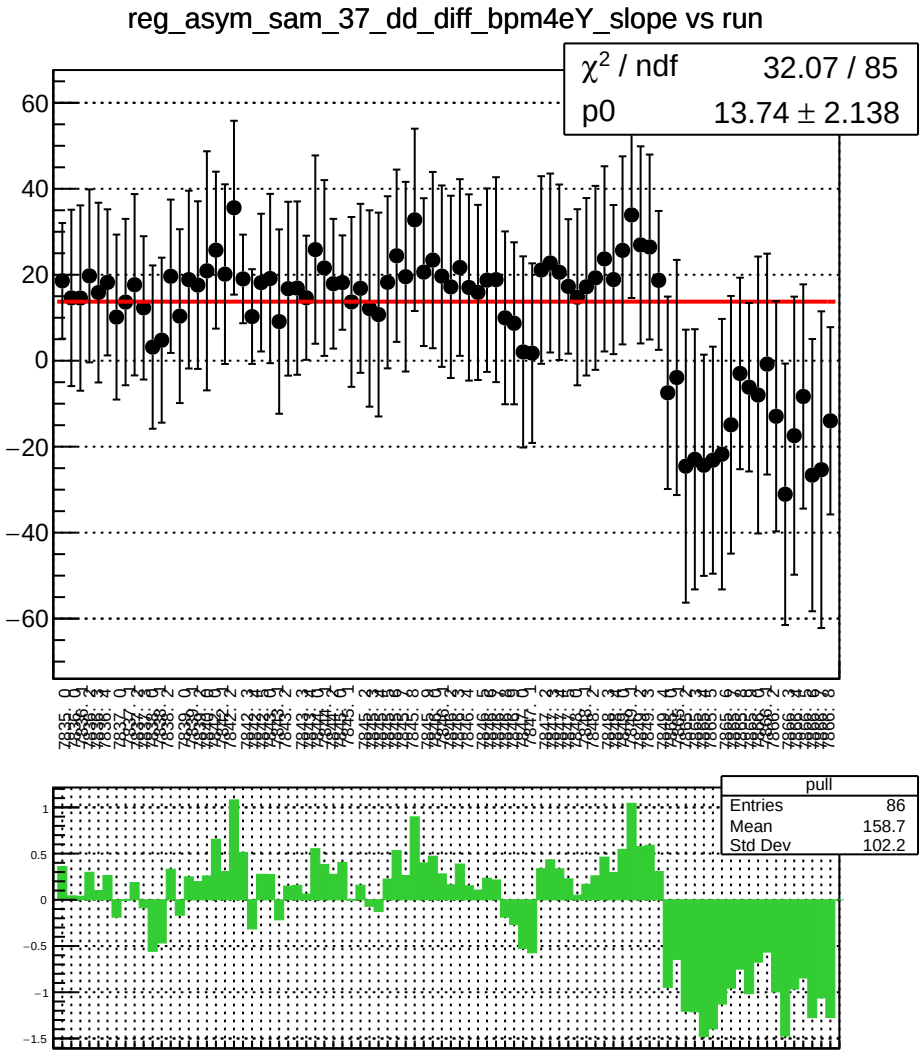

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 224.3 / 85
p0 −46.36 ± 1.532
pull
Entries 86
Mean 81.67
Std Dev 14.23

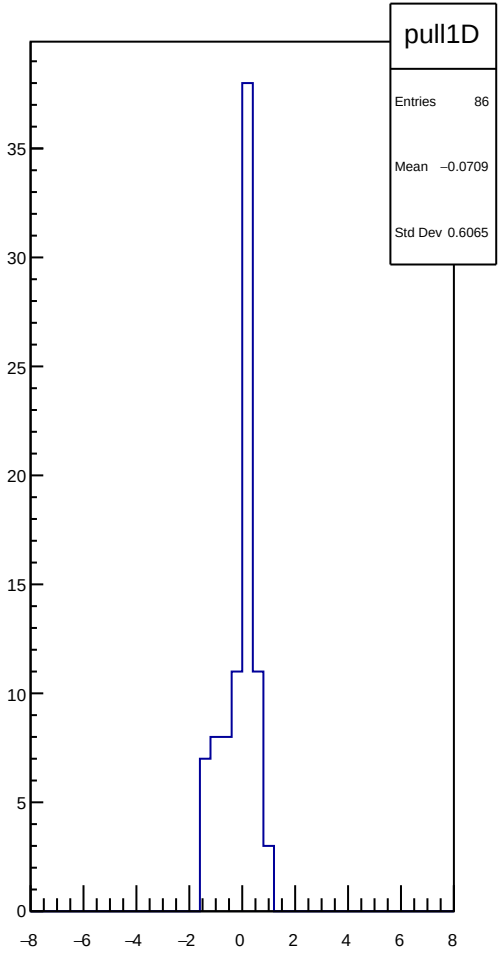

pull1D
Entries 86
Mean −0.5704
Std Dev 1.511

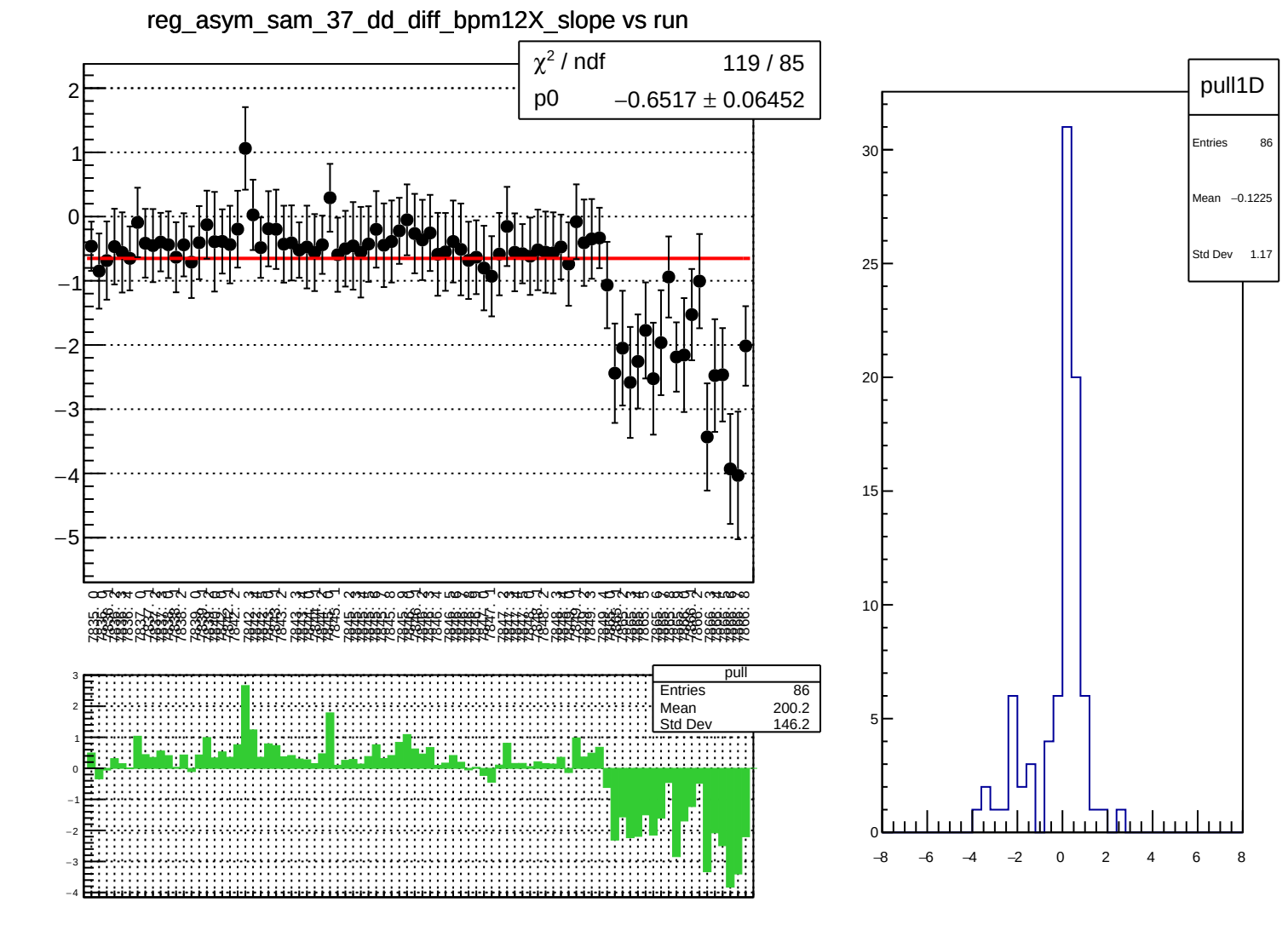

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.4 / 85
p0 −3.549 ± 1.844
pull
Entries 86
Mean 177.1
Std Dev 121
pull1D
Entries 86
Mean 0.05848
Std Dev 0.6014

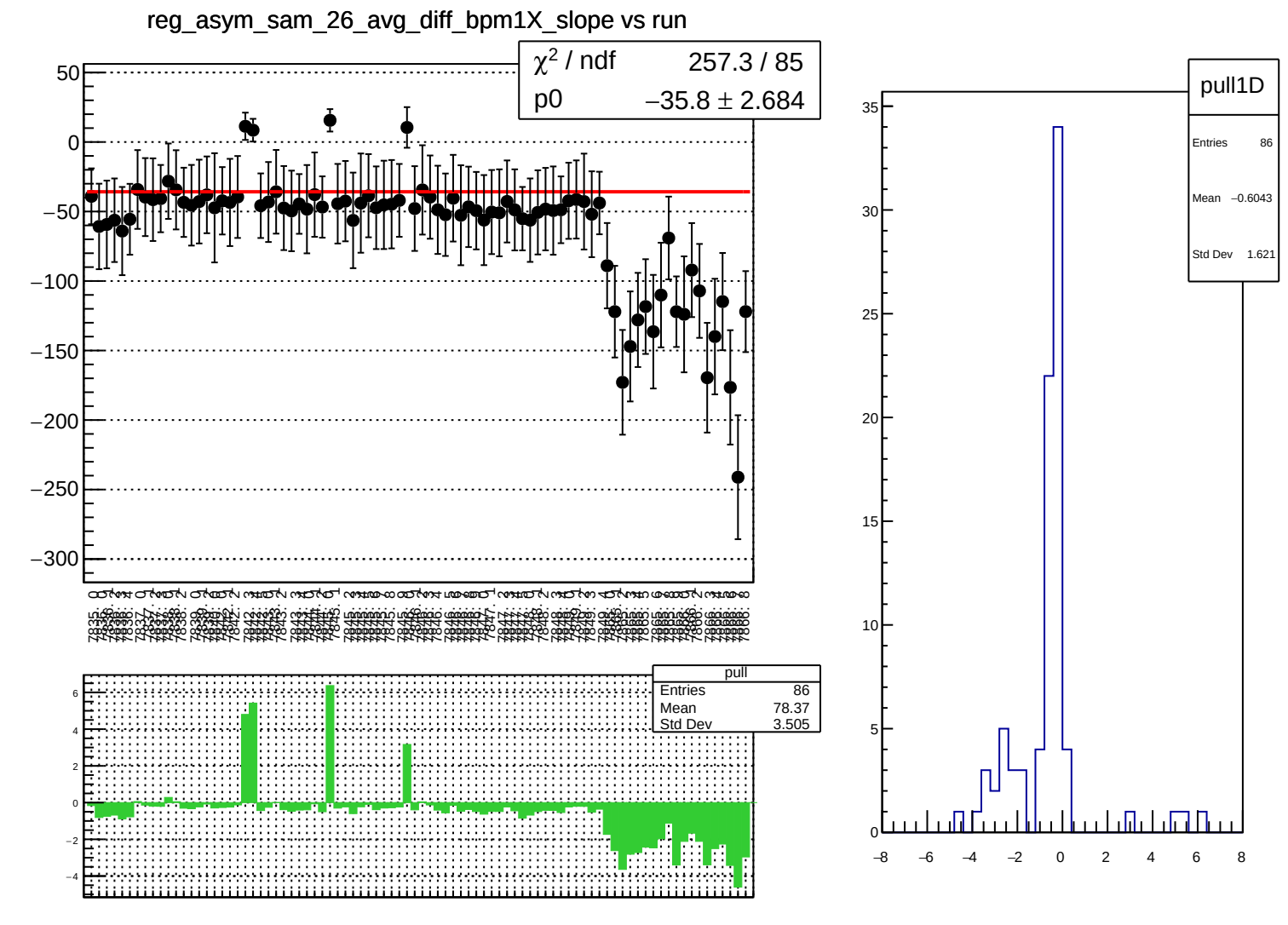

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 209.2 / 85
p0 −3.244 ± 1.328
pull
Entries 86
Mean 76.24
Std Dev 10.45

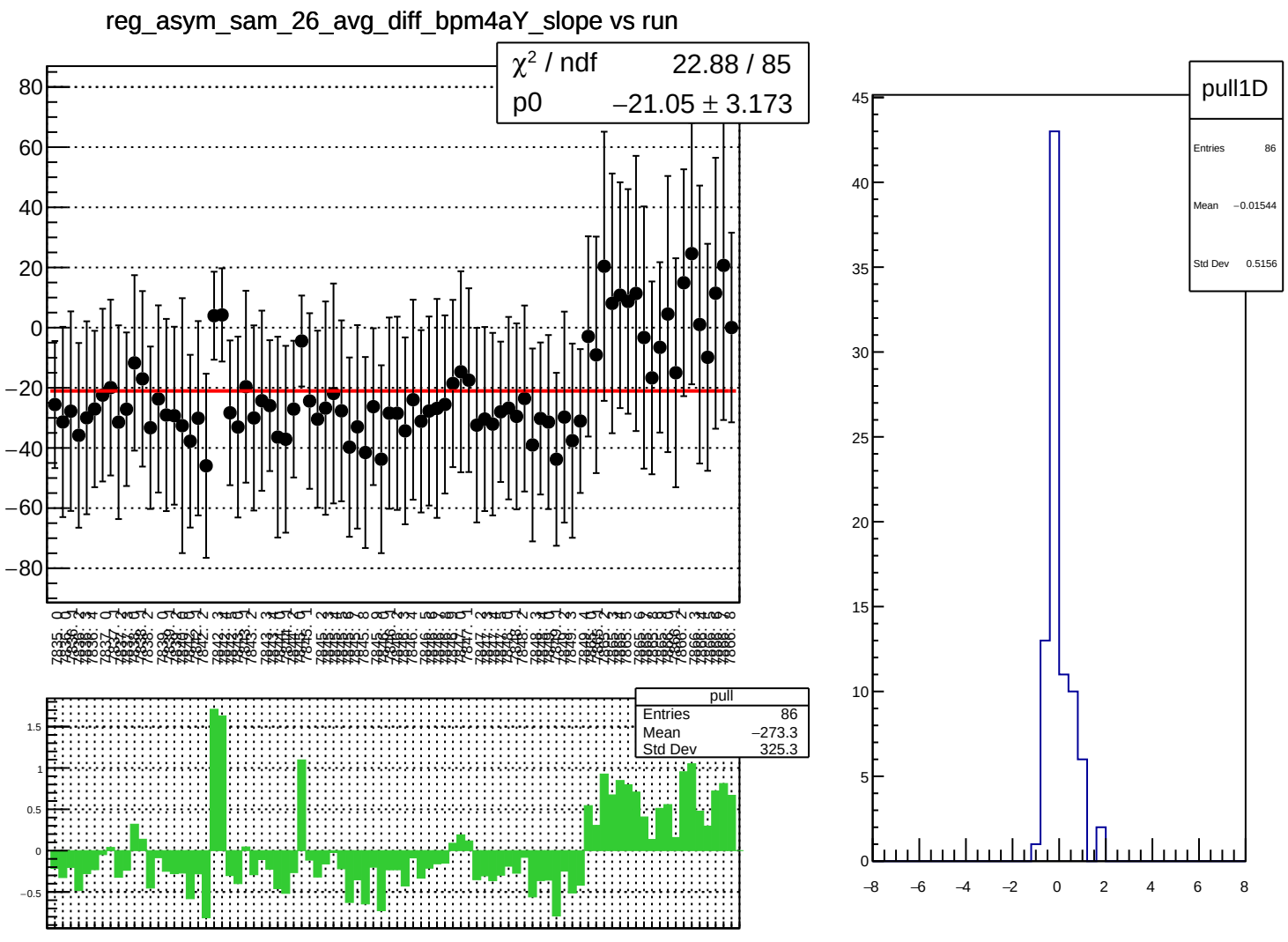

pull1D
Entries 86
Mean 0.6077
Std Dev 1.436

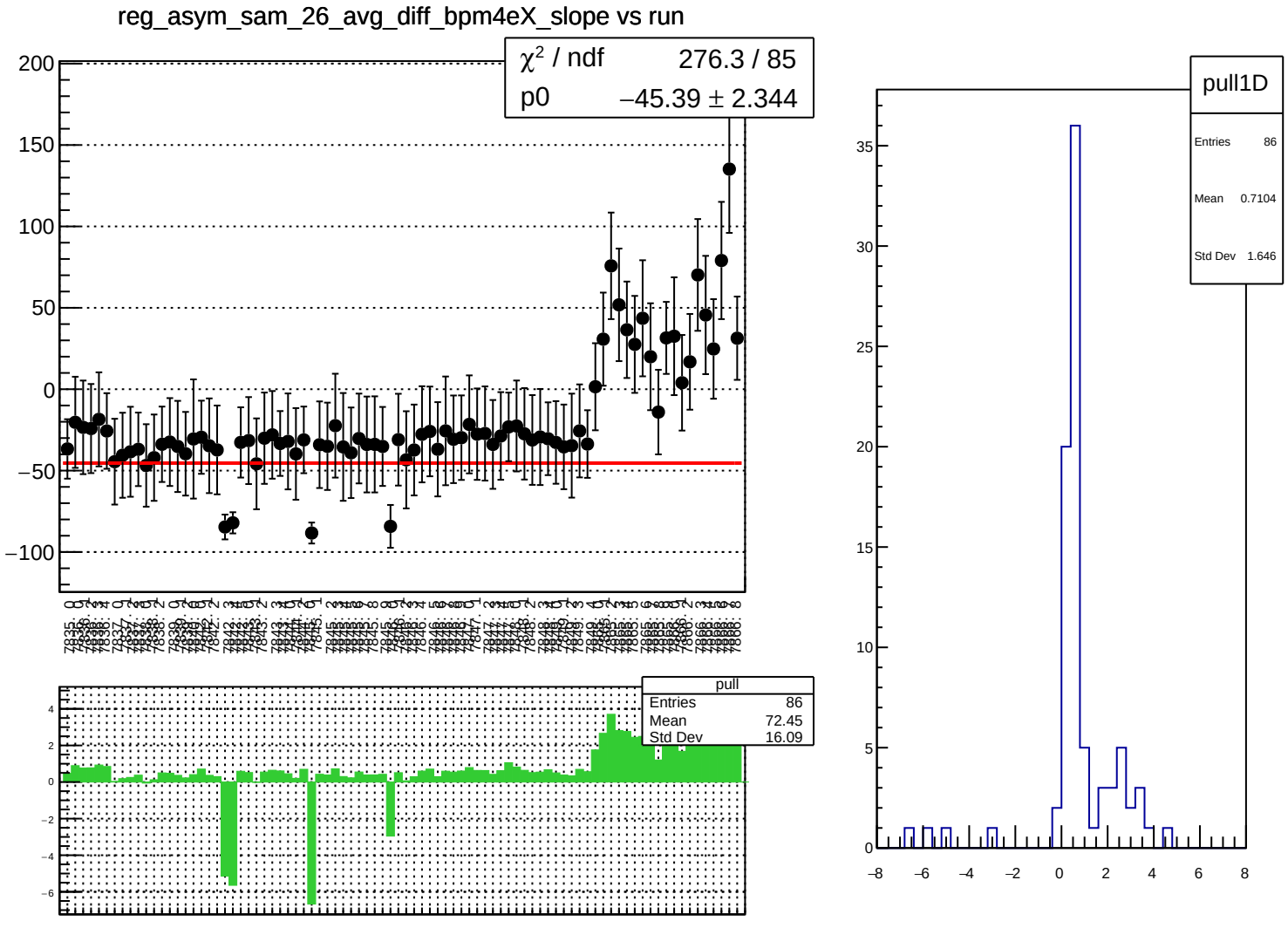

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.07 / 85
p0 13.74 ± 2.138
pull
Entries 86
Mean 158.7
Std Dev 102.2

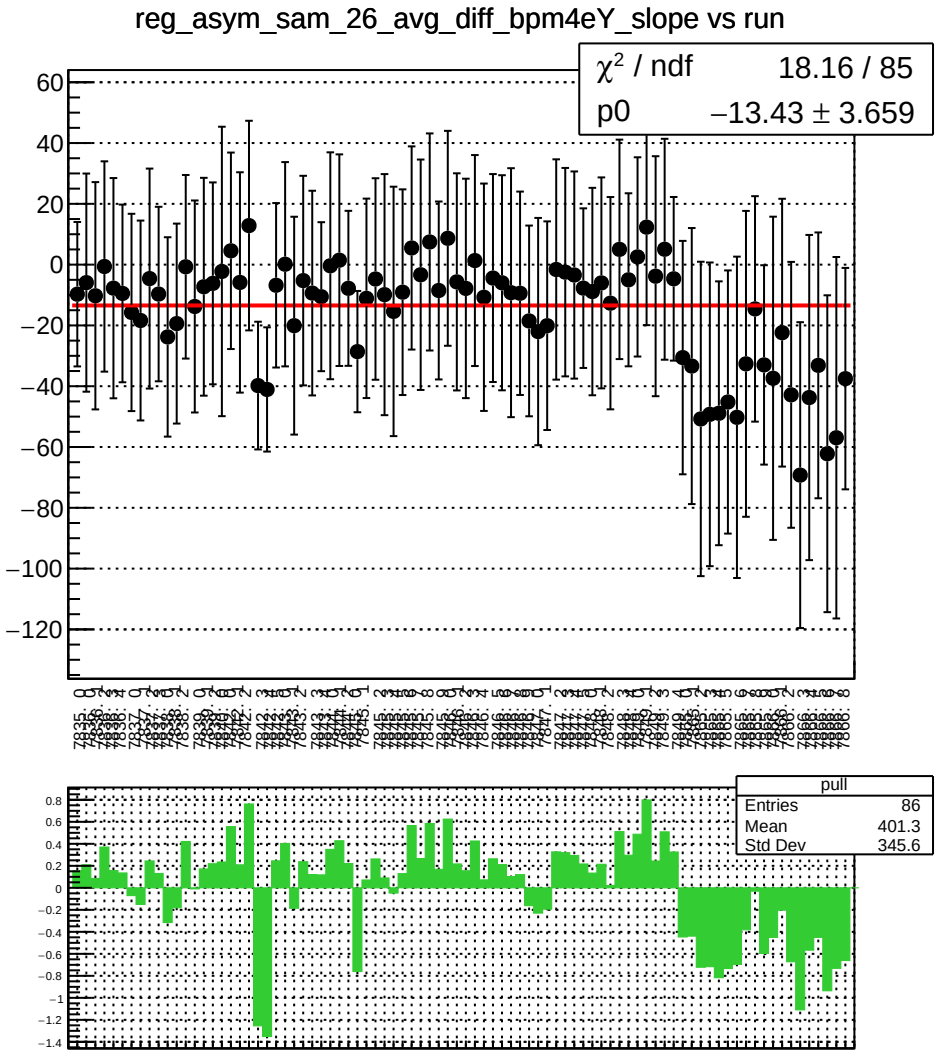

pull1D
Entries 86
Mean −0.0709
Std Dev 0.6065

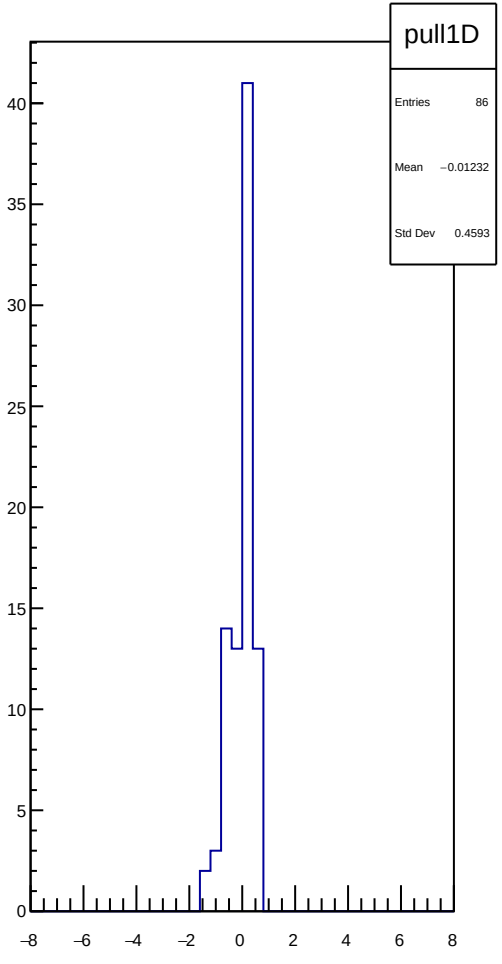

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 119 / 85
p0 −0.6517 ± 0.06452
pull
Entries 86
Mean 200.2
Std Dev 146.2
pull1D
Entries 86
Mean −0.1225
Std Dev 1.17

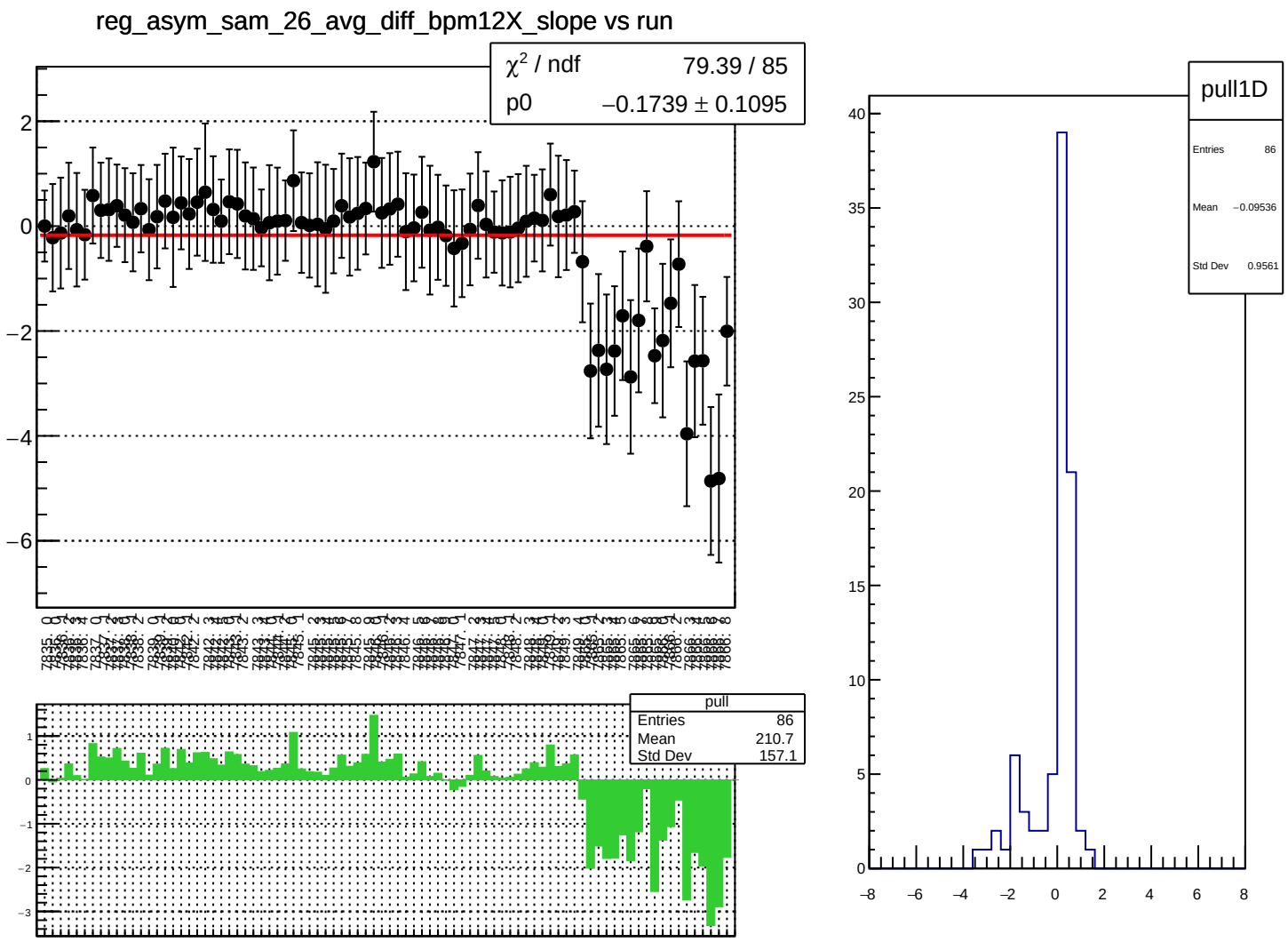

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 257.3 / 85
p0 −35.8 ± 2.684
pull
Entries 86
Mean 78.37
Std Dev 3.505
pull1D
Entries 86
Mean −0.6043
Std Dev 1.621

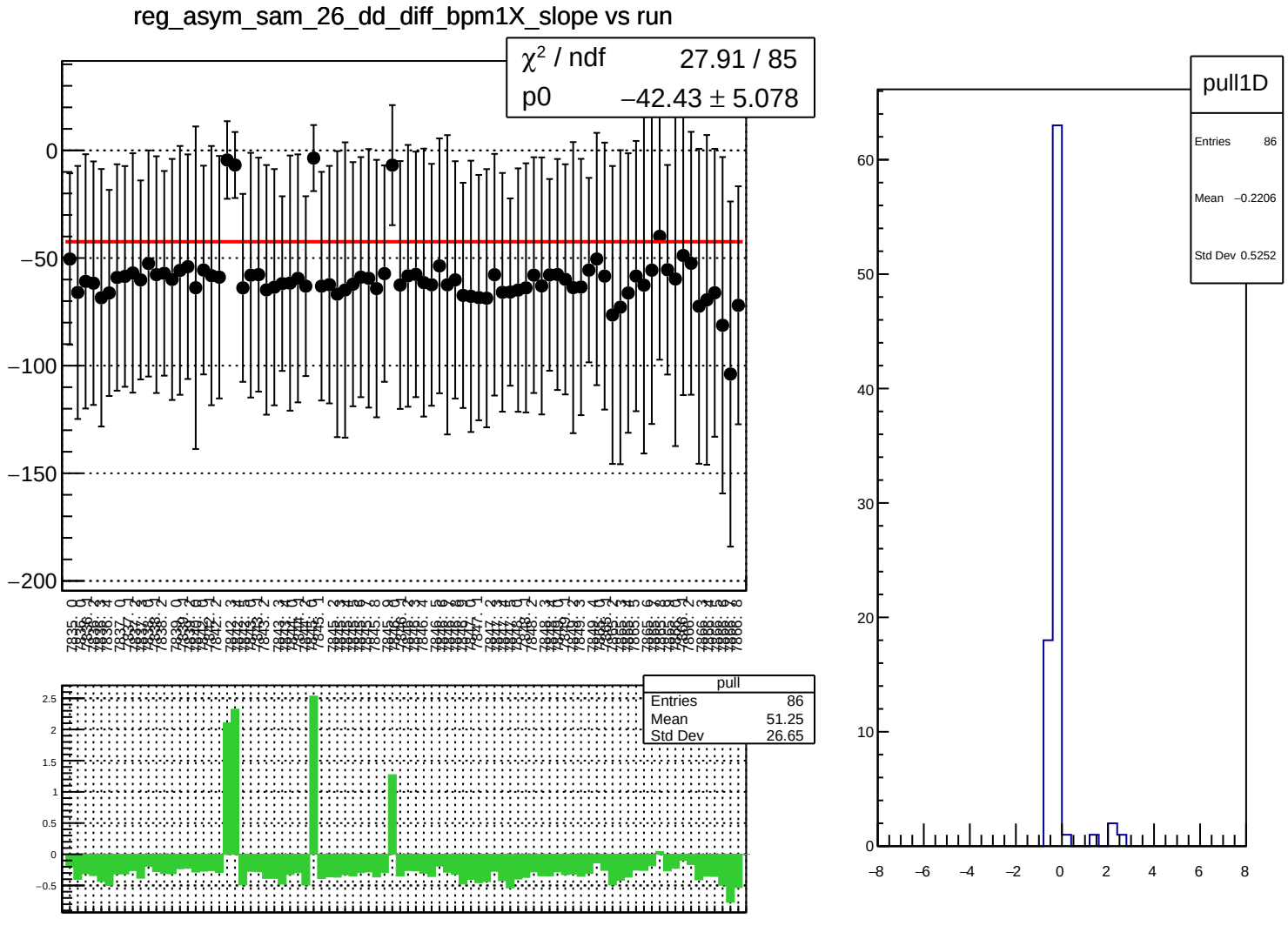

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.88 / 85
p0 −21.05 ± 3.173
pull
Entries 86
Mean −273.3
Std Dev 325.3
pull1D
Entries 86
Mean −0.01544
Std Dev 0.5156

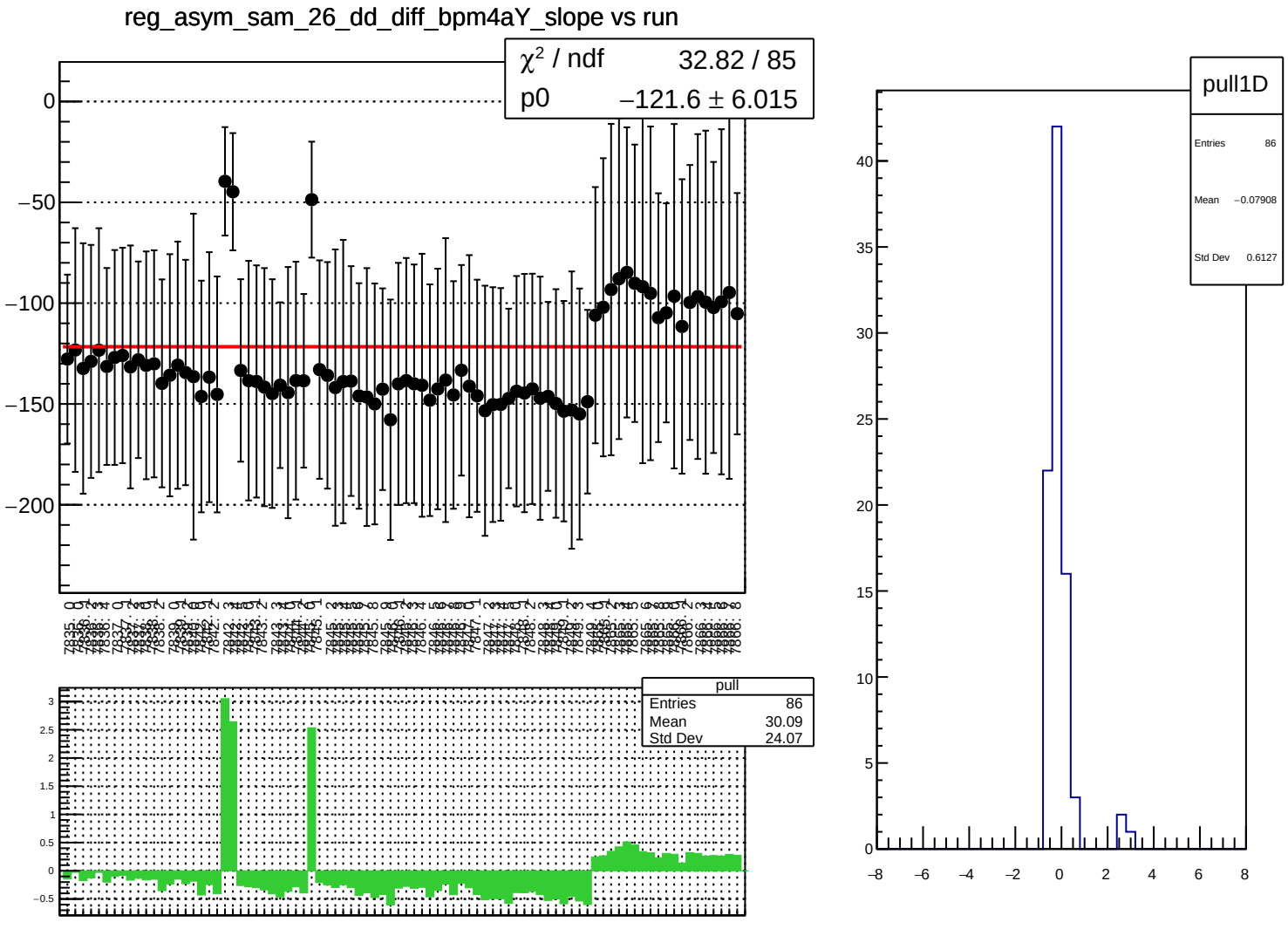

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 276.3 / 85
p0 −45.39 ± 2.344
pull
Entries 86
Mean 72.45
Std Dev 16.09
pull1D
Entries 86
Mean 0.7104
Std Dev 1.646

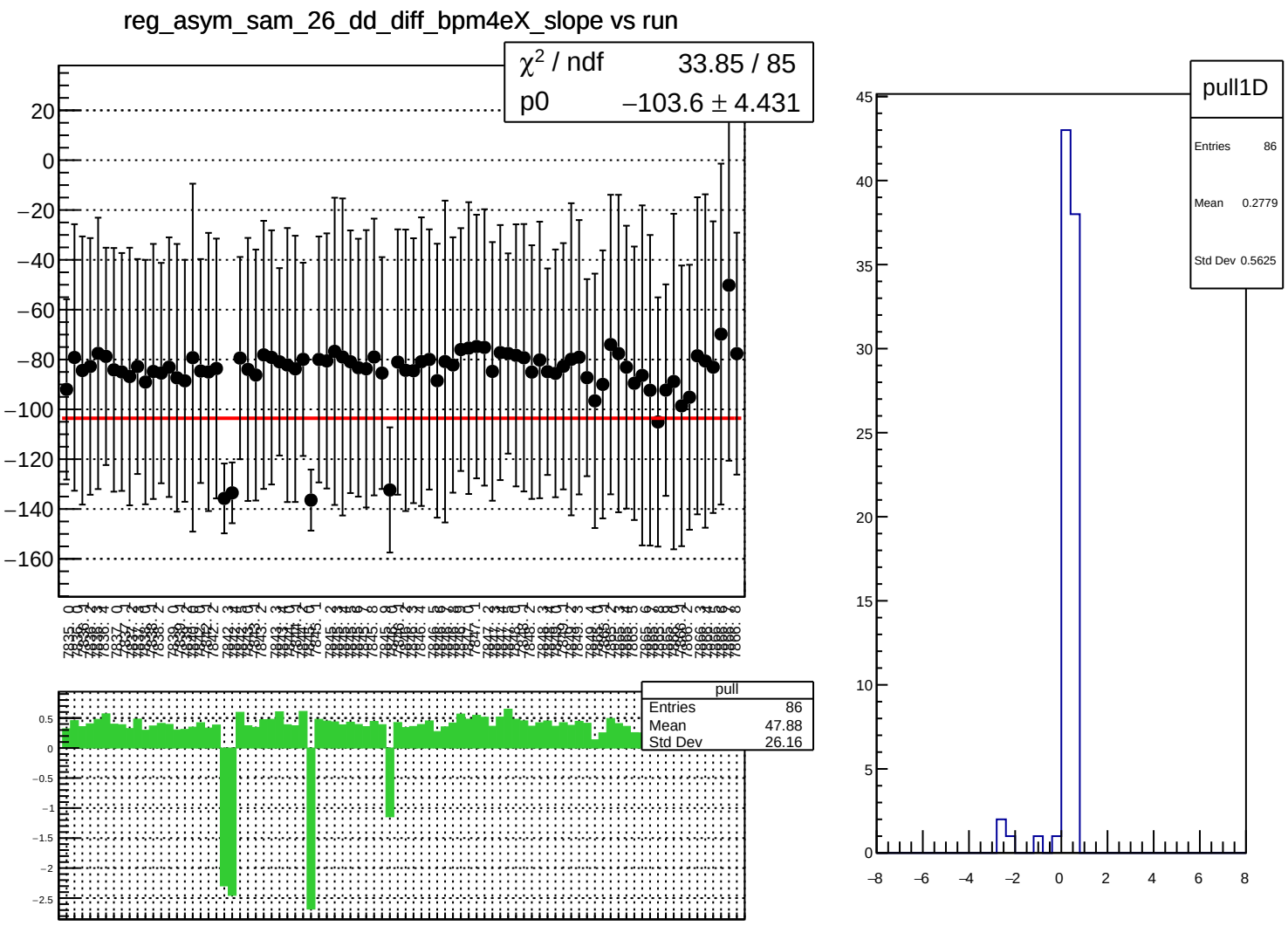

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.16 / 85
p0 −13.43 ± 3.659
pull
Entries 86
Mean 401.3
Std Dev 345.6

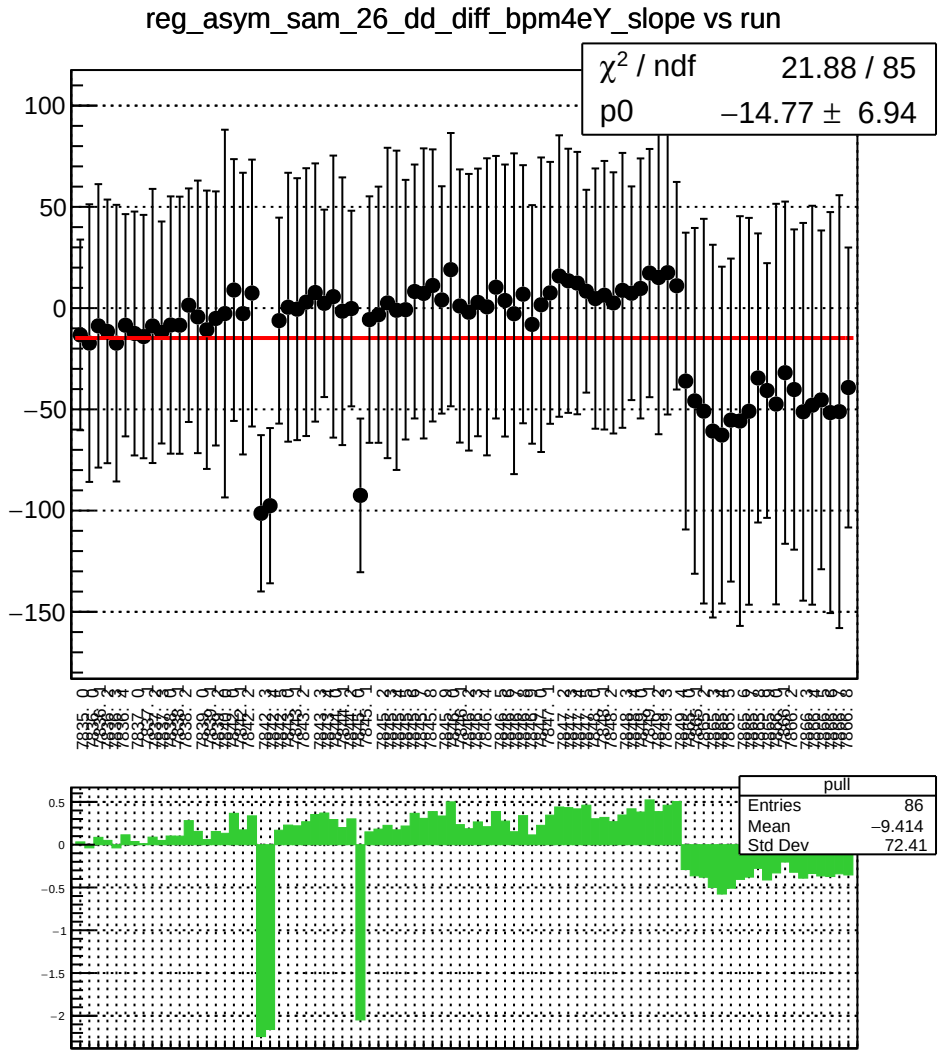

pull1D
Entries 86
Mean −0.01232
Std Dev 0.4593

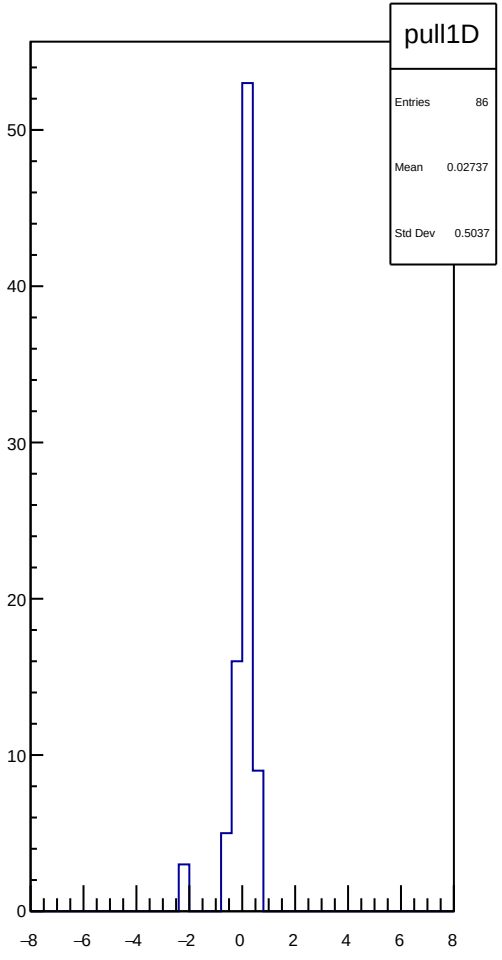

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 79.39 / 85
p0 −0.1739 ± 0.1095
pull
Entries 86
Mean 210.7
Std Dev 157.1
pull1D
Entries 86
Mean −0.09536
Std Dev 0.9561

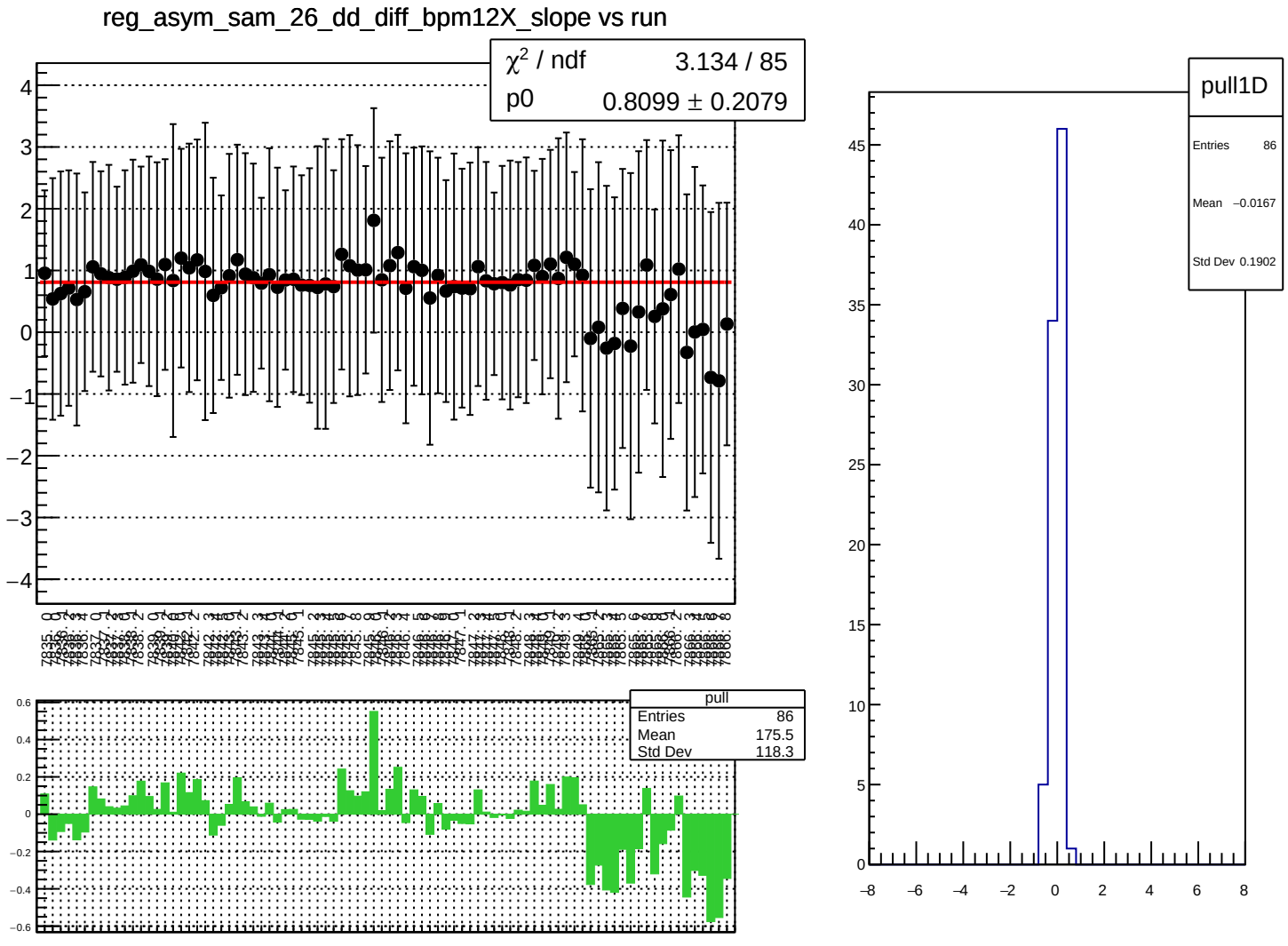

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 27.91 / 85
p0 −42.43 ± 5.078
pull
Entries 86
Mean 51.25
Std Dev 26.65
pull1D
Entries 86
Mean −0.2206
Std Dev 0.5252

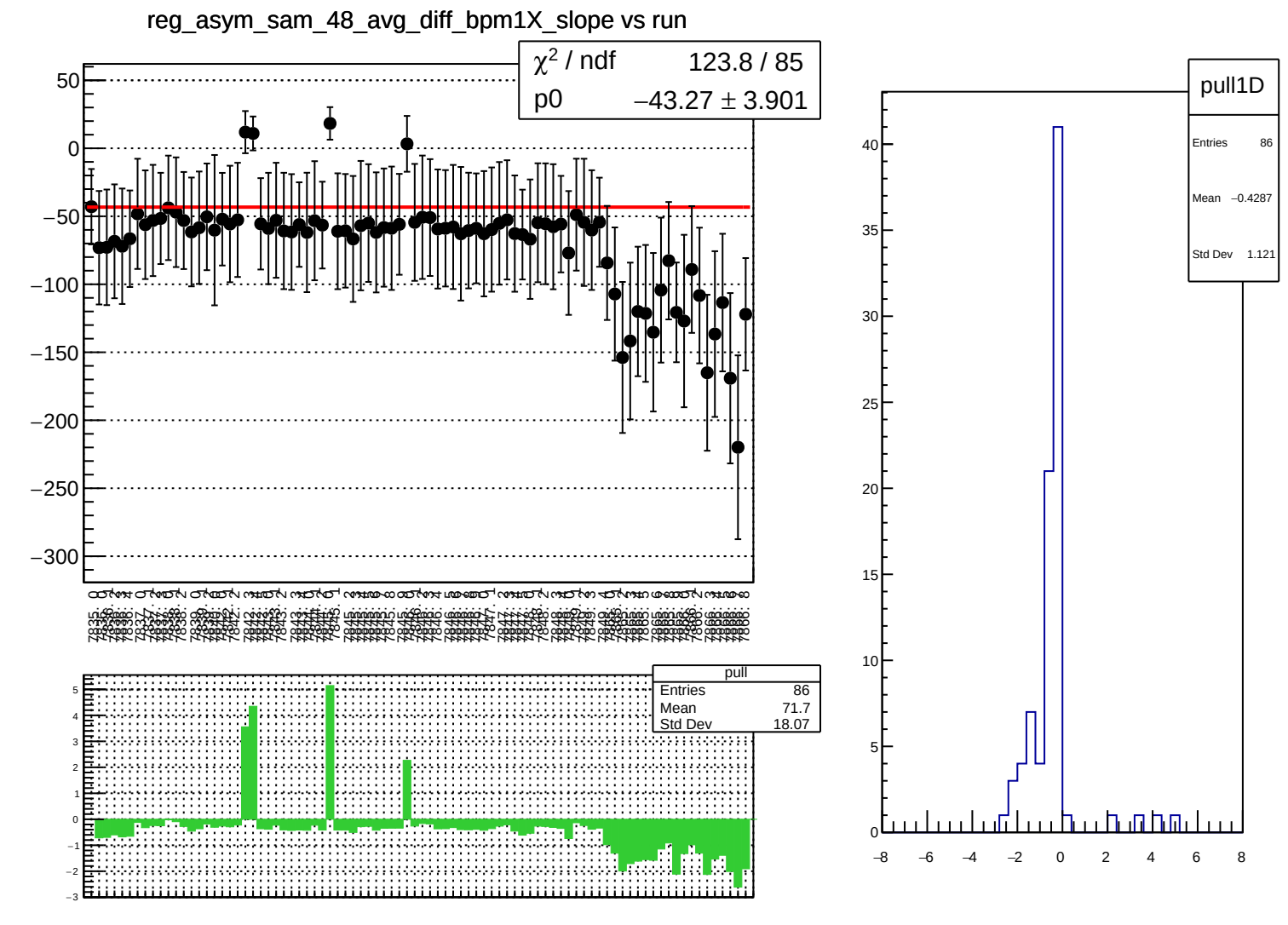

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.82 / 85
p0 −121.6 ± 6.015
pull
Entries 86
Mean 30.09
Std Dev 24.07
pull1D
Entries 86
Mean −0.07908
Std Dev 0.6127

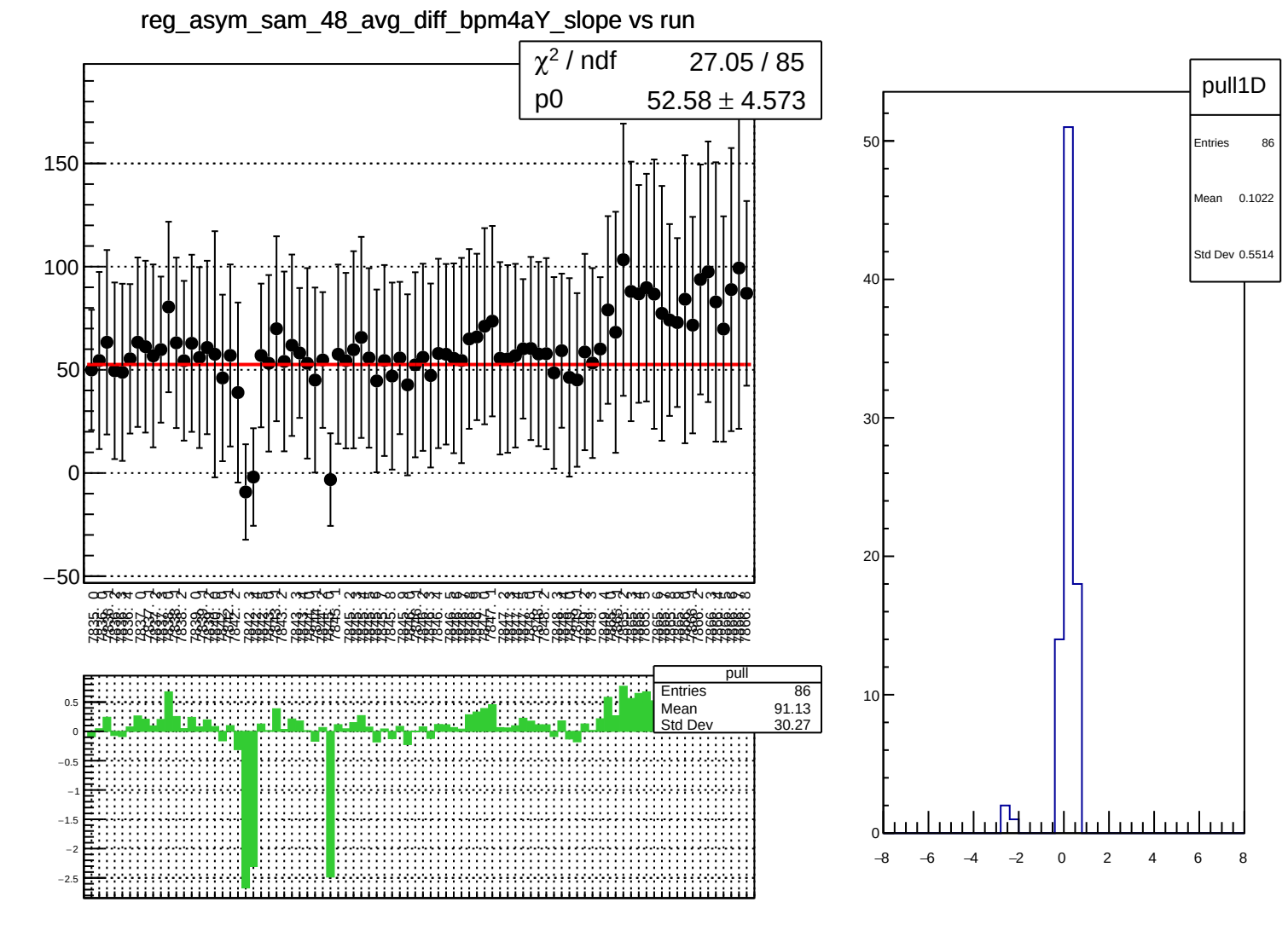

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.85 / 85
p0 −103.6 ± 4.431
pull
Entries 86
Mean 47.88
Std Dev 26.16
pull1D
Entries 86
Mean 0.2779
Std Dev 0.5625

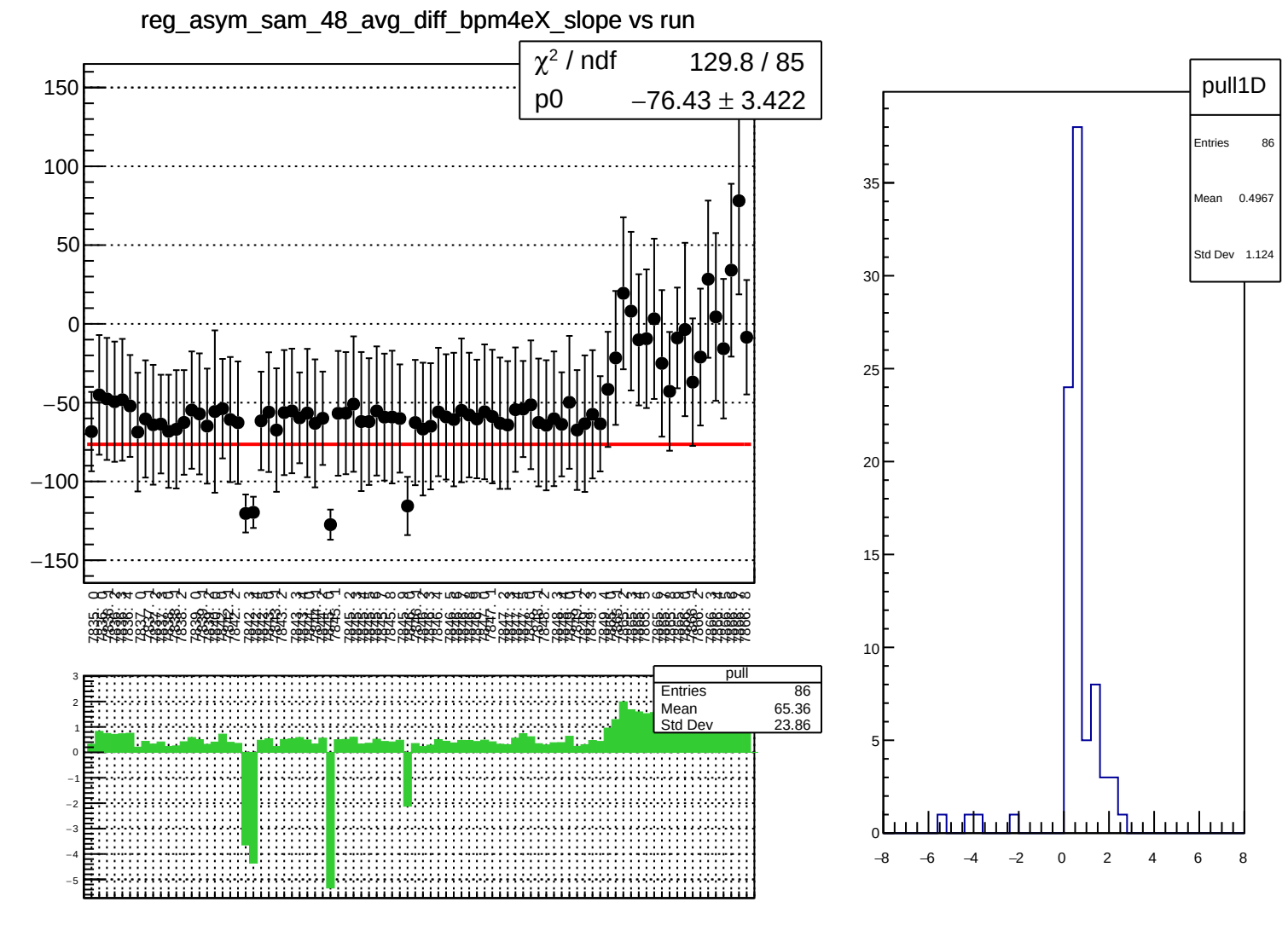

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.88 / 85
p0 −14.77 ± 6.94
pull
Entries 86
Mean −9.414
Std Dev 72.41

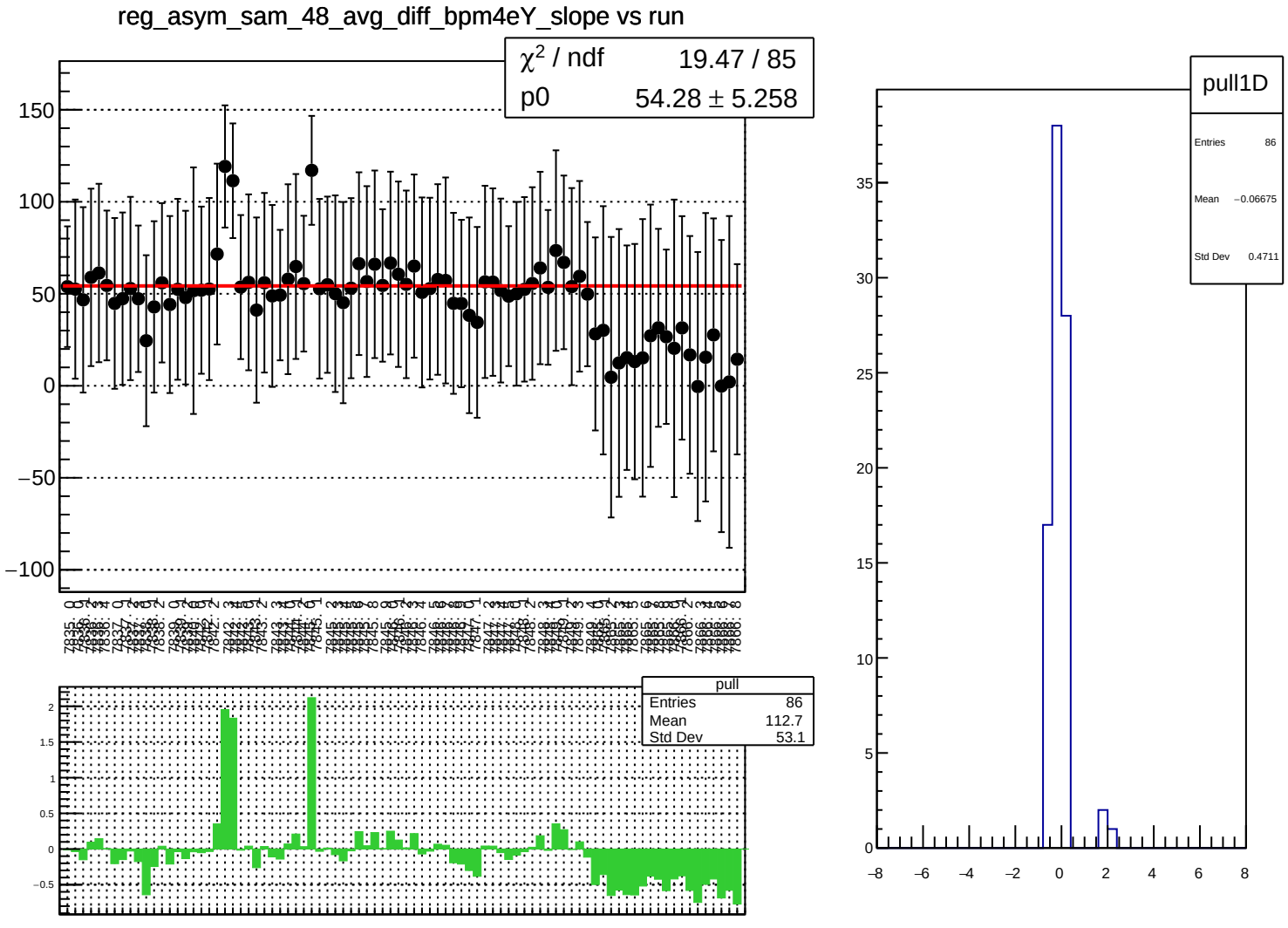

pull1D
Entries 86
Mean 0.02737
Std Dev 0.5037

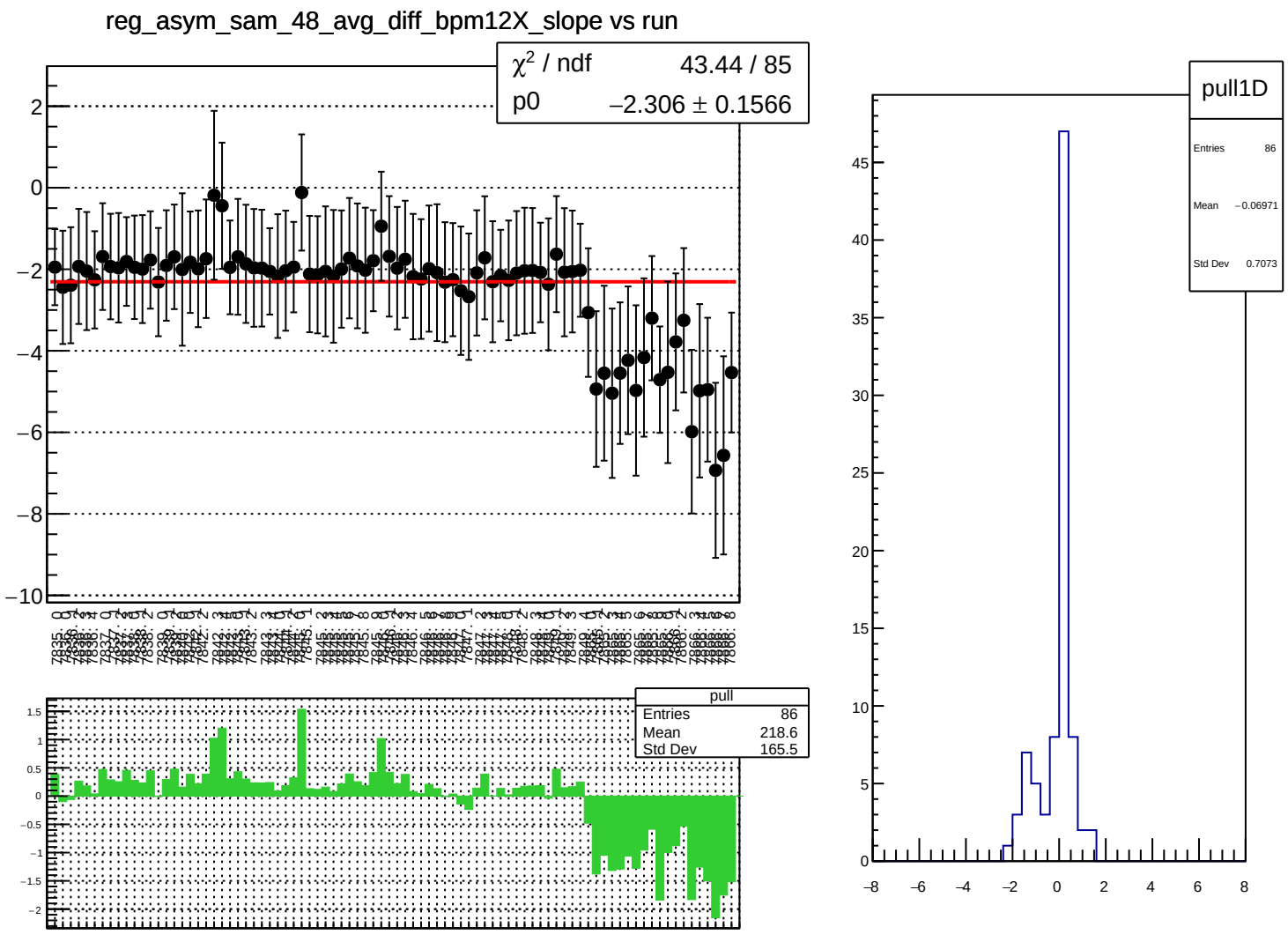

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 3.134 / 85
p0 0.8099 ± 0.2079
pull
Entries 86
Mean 175.5
Std Dev 118.3
pull1D
Entries 86
Mean −0.0167
Std Dev 0.1902

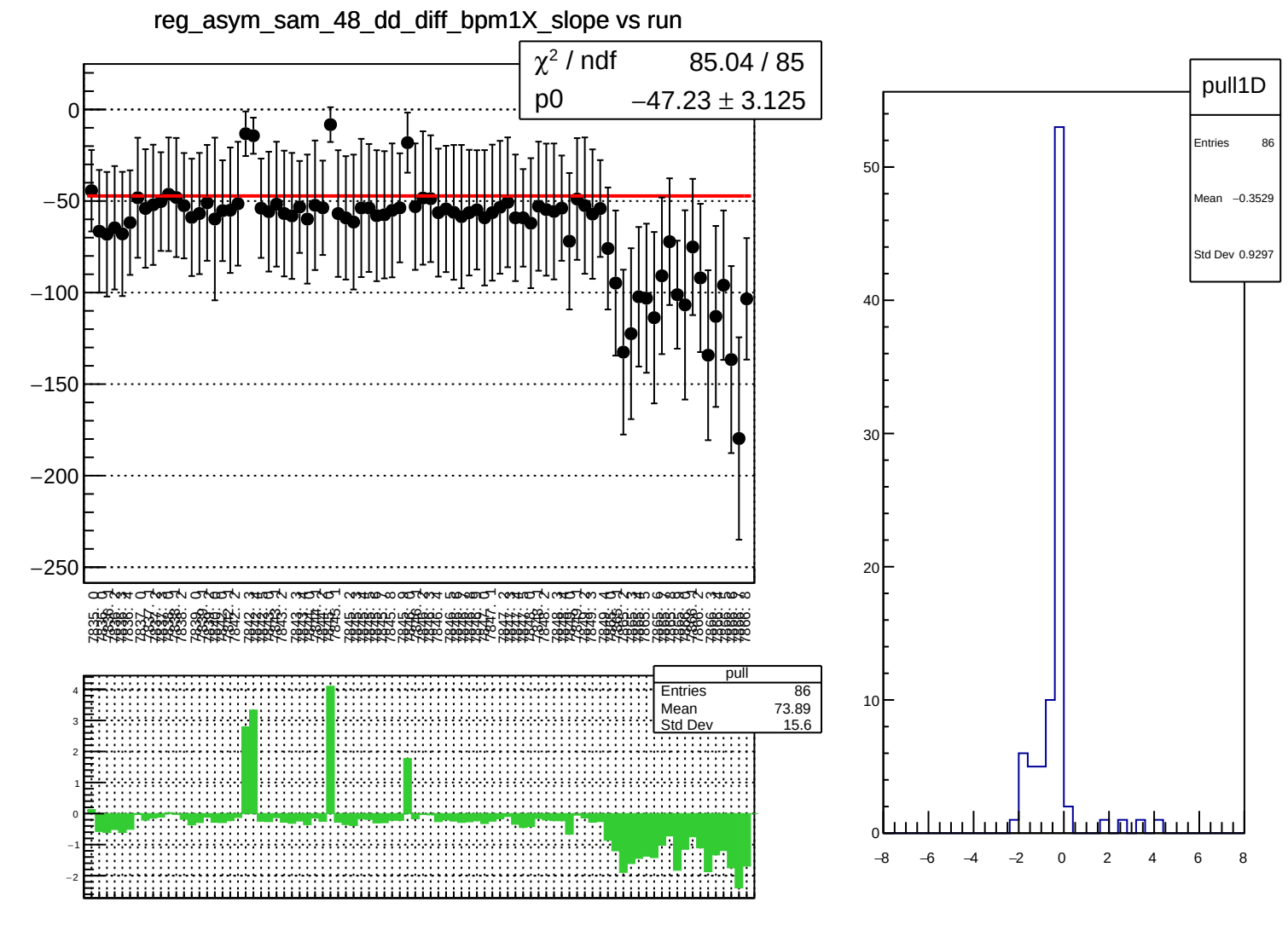

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 123.8 / 85
p0 −43.27 ± 3.901
pull
Entries 86
Mean 71.7
Std Dev 18.07
pull1D
Entries 86
Mean −0.4287
Std Dev 1.121

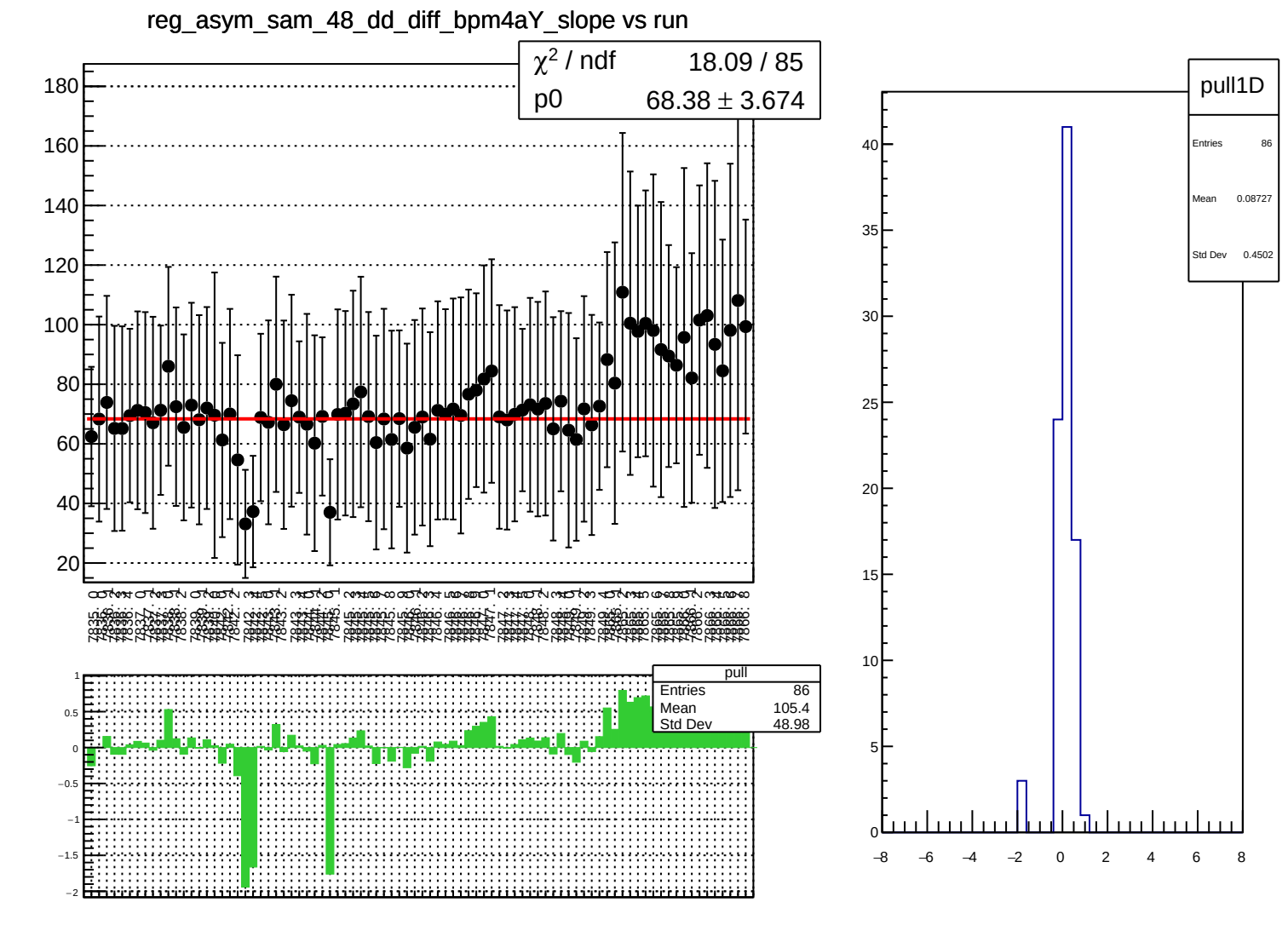

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.05 / 85
p0 52.58 ± 4.573
150
100
50
0
−50
pull
Entries 86
Mean 91.13
Std Dev 30.27
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 86
Mean 0.1022
Std Dev 0.5514
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

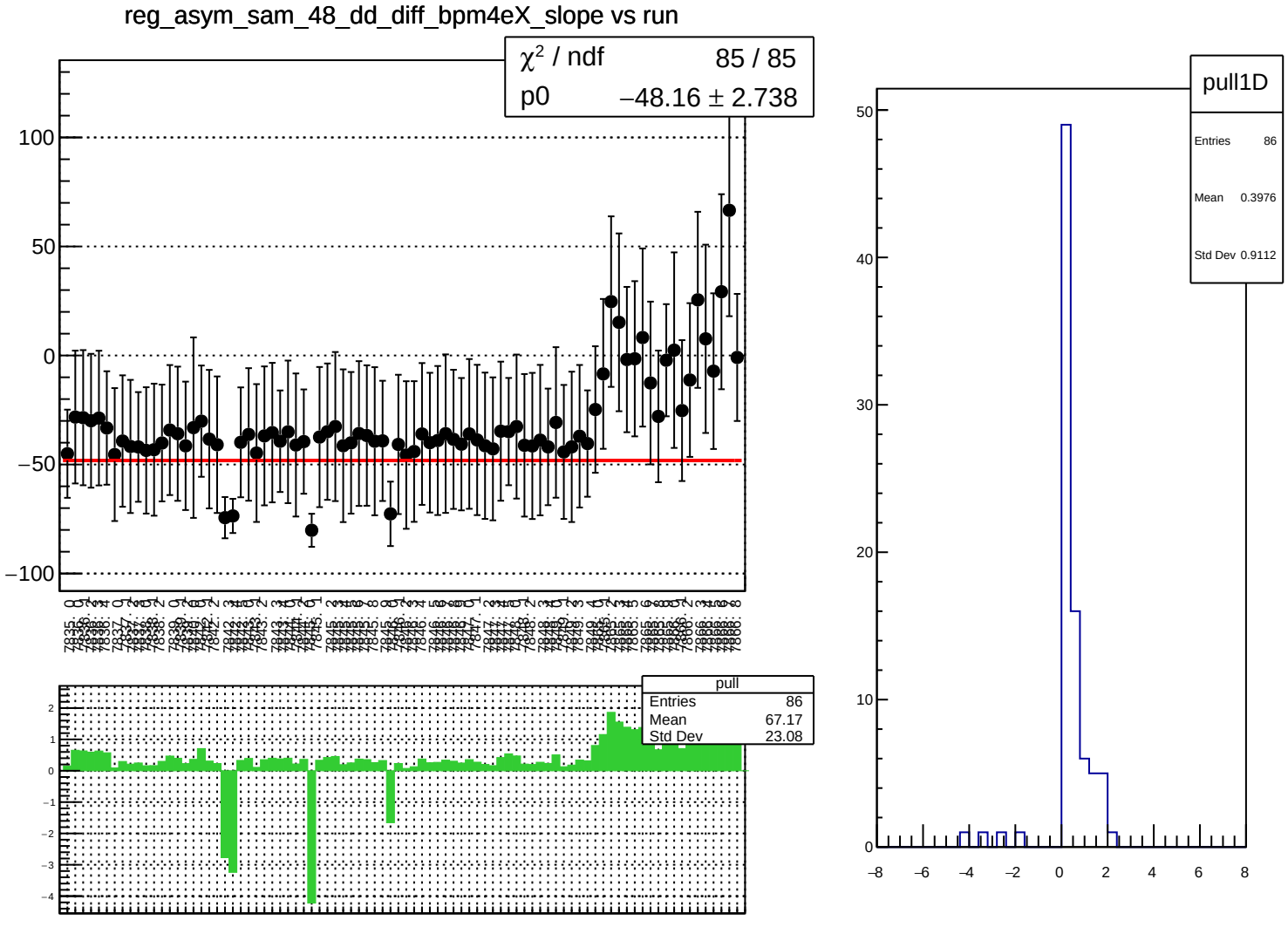

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 129.8 / 85
p0 −76.43 ± 3.422
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 65.36
Std Dev 23.86
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 86
Mean 0.4967
Std Dev 1.124
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

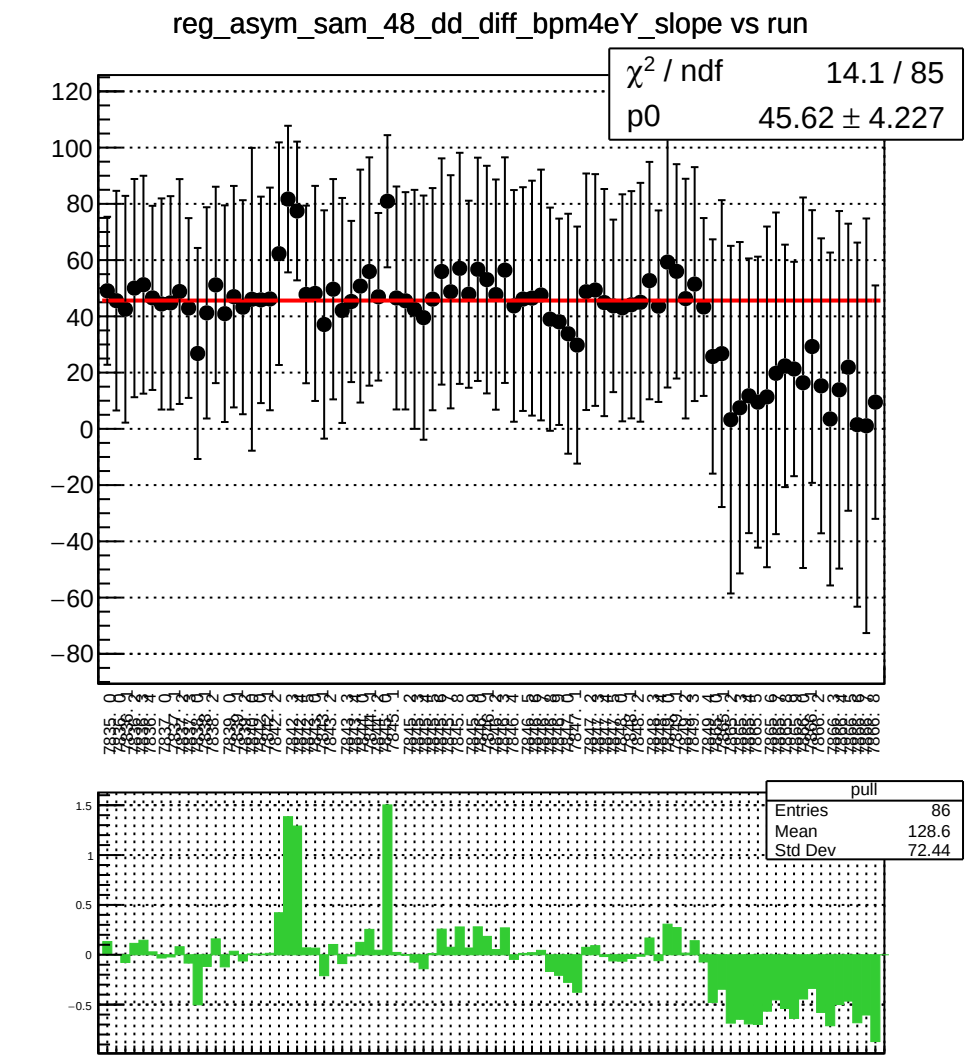

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.47 / 85
p0 54.28 ± 5.258
150
100
50
0
−50
−100
pull
Entries 86
Mean 112.7
Std Dev 53.1
2
1.5
1
0.5
0
−0.5
pull1D
Entries 86
Mean −0.06675
Std Dev 0.4711
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

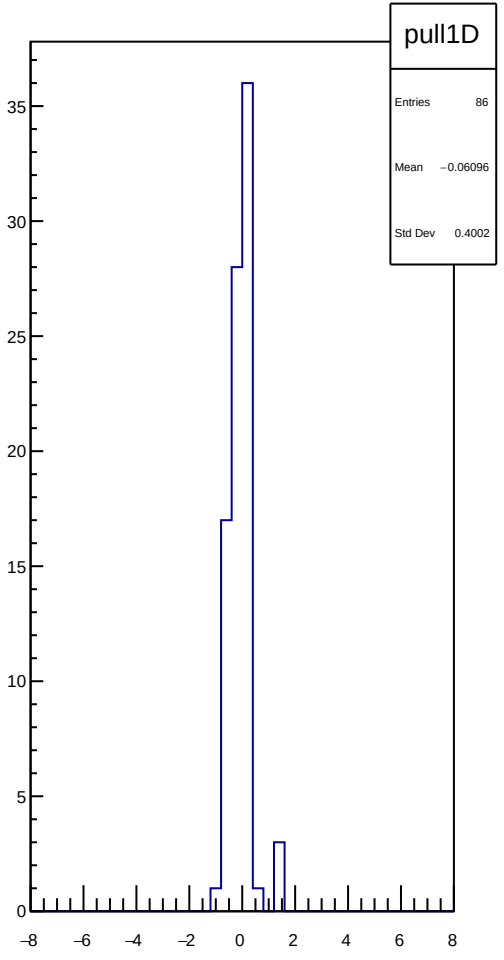

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 43.44 / 85
p0 −2.306 ± 0.1566
pull
Entries 86
Mean 218.6
Std Dev 165.5
pull1D
Entries 86
Mean −0.06971
Std Dev 0.7073

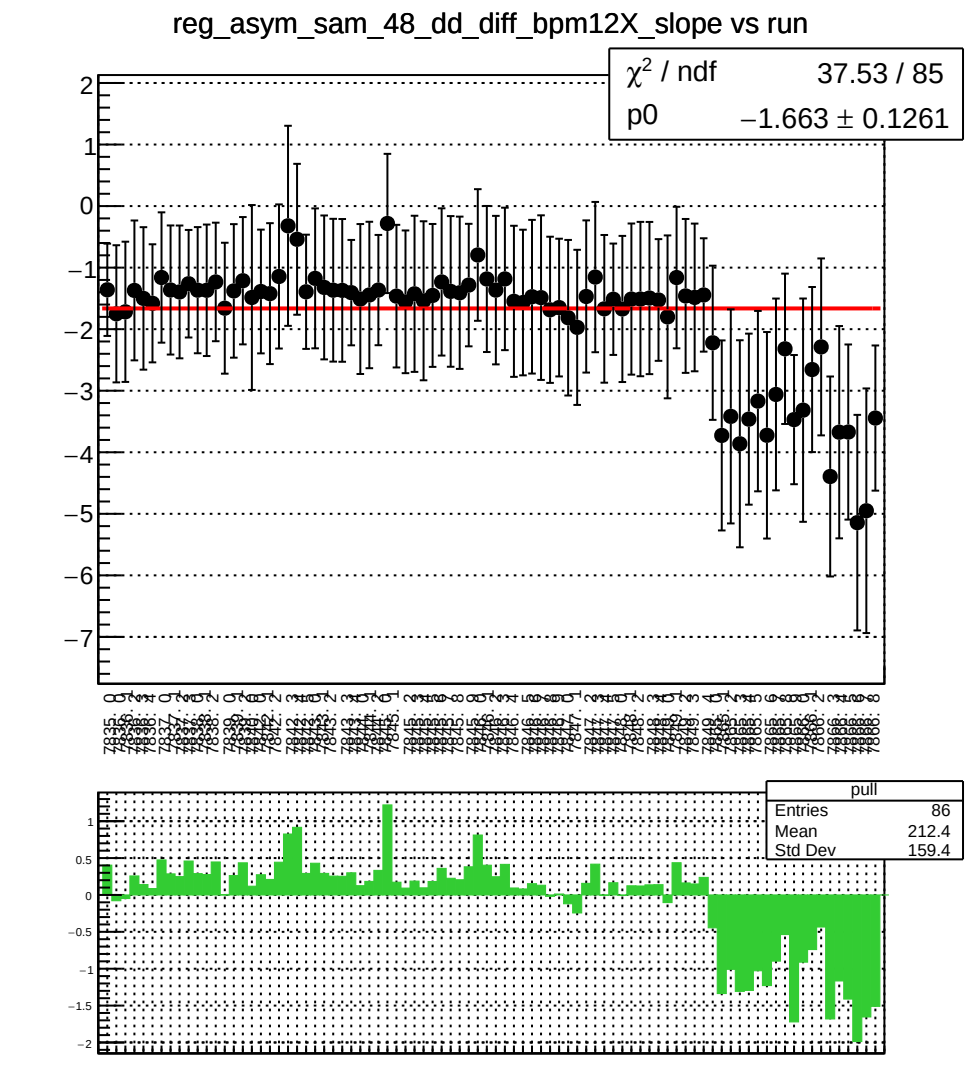

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 85.04 / 85
p0 −47.23 ± 3.125
pull
Entries 86
Mean 73.89
Std Dev 15.6
pull1D
Entries 86
Mean −0.3529
Std Dev 0.9297

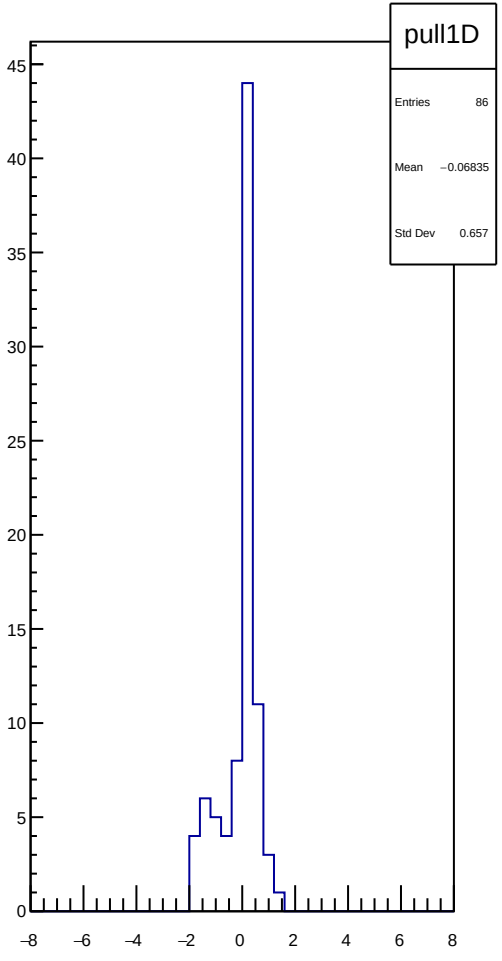

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.09 / 85
p0 68.38 ± 3.674
pull
Entries 86
Mean 105.4
Std Dev 48.98
pull1D
Entries 86
Mean 0.08727
Std Dev 0.4502

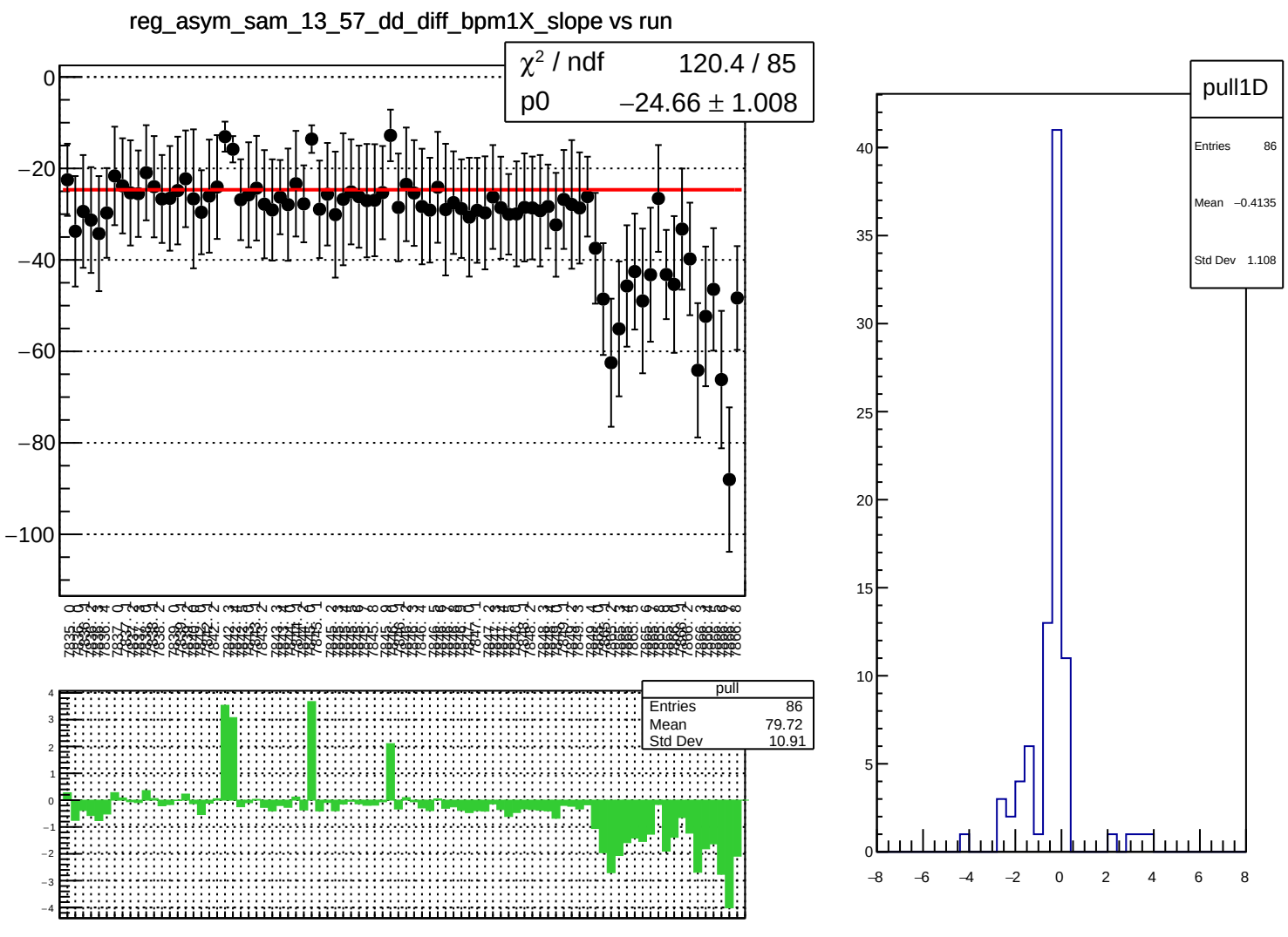

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 85 / 85
p0 −48.16 ± 2.738
100
50
0
−50
−100
pull
Entries 86
Mean 67.17
Std Dev 23.08
2
1
0
−1
−2
−3
−4
pull1D
Entries 86
Mean 0.3976
Std Dev 0.9112
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

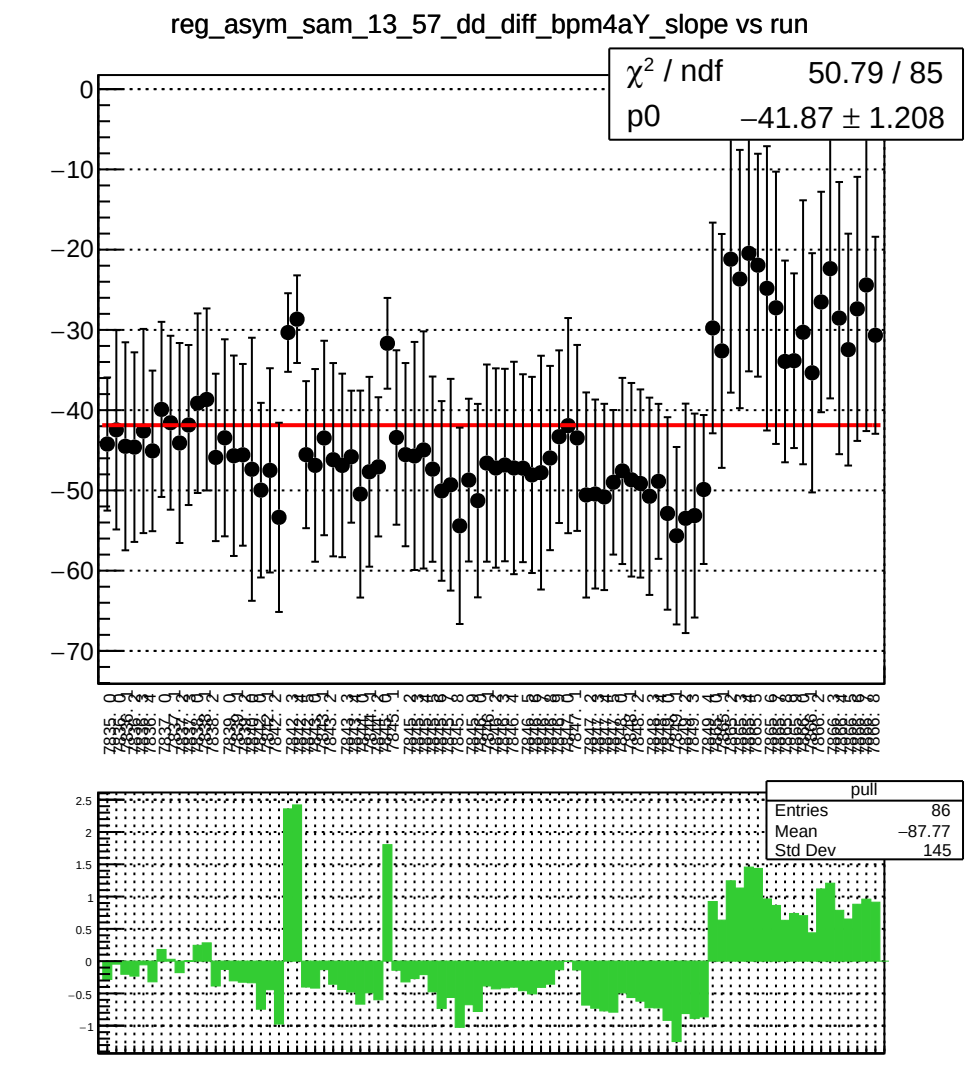

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.1 / 85
p0 45.62 ± 4.227
pull
Entries 86
Mean 128.6
Std Dev 72.44

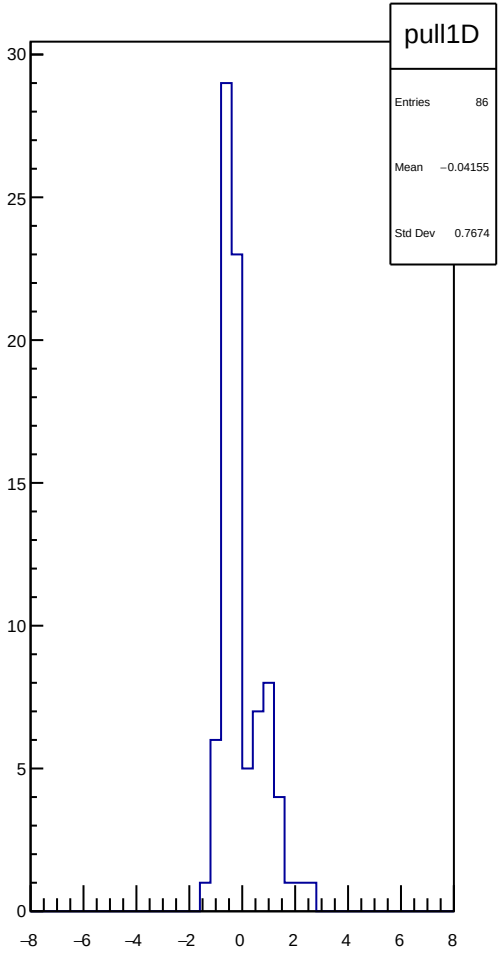

pull1D
Entries 86
Mean −0.06096
Std Dev 0.4002

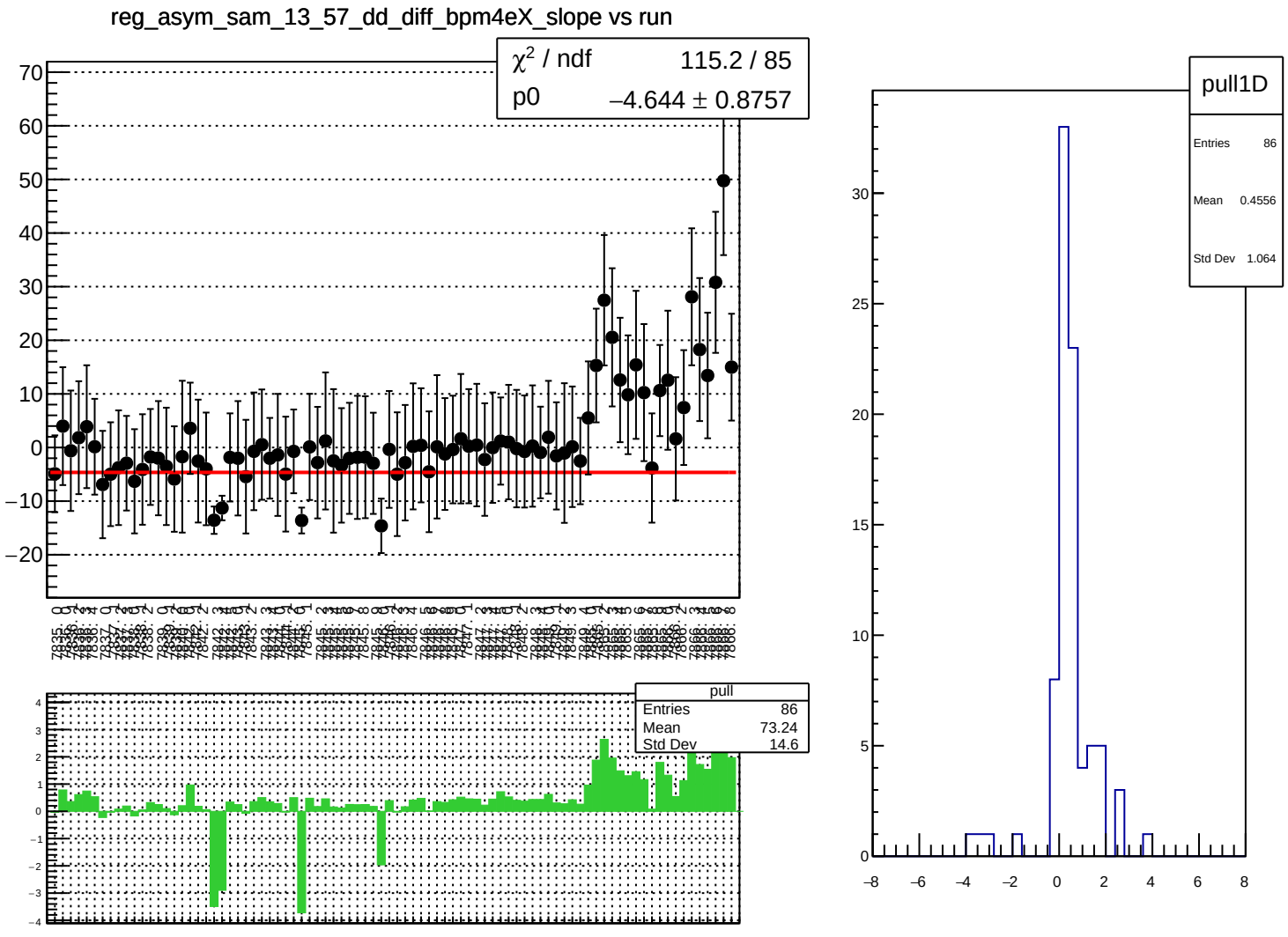

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 37.53 / 85
p0 −1.663 ± 0.1261
pull
Entries 86
Mean 212.4
Std Dev 159.4

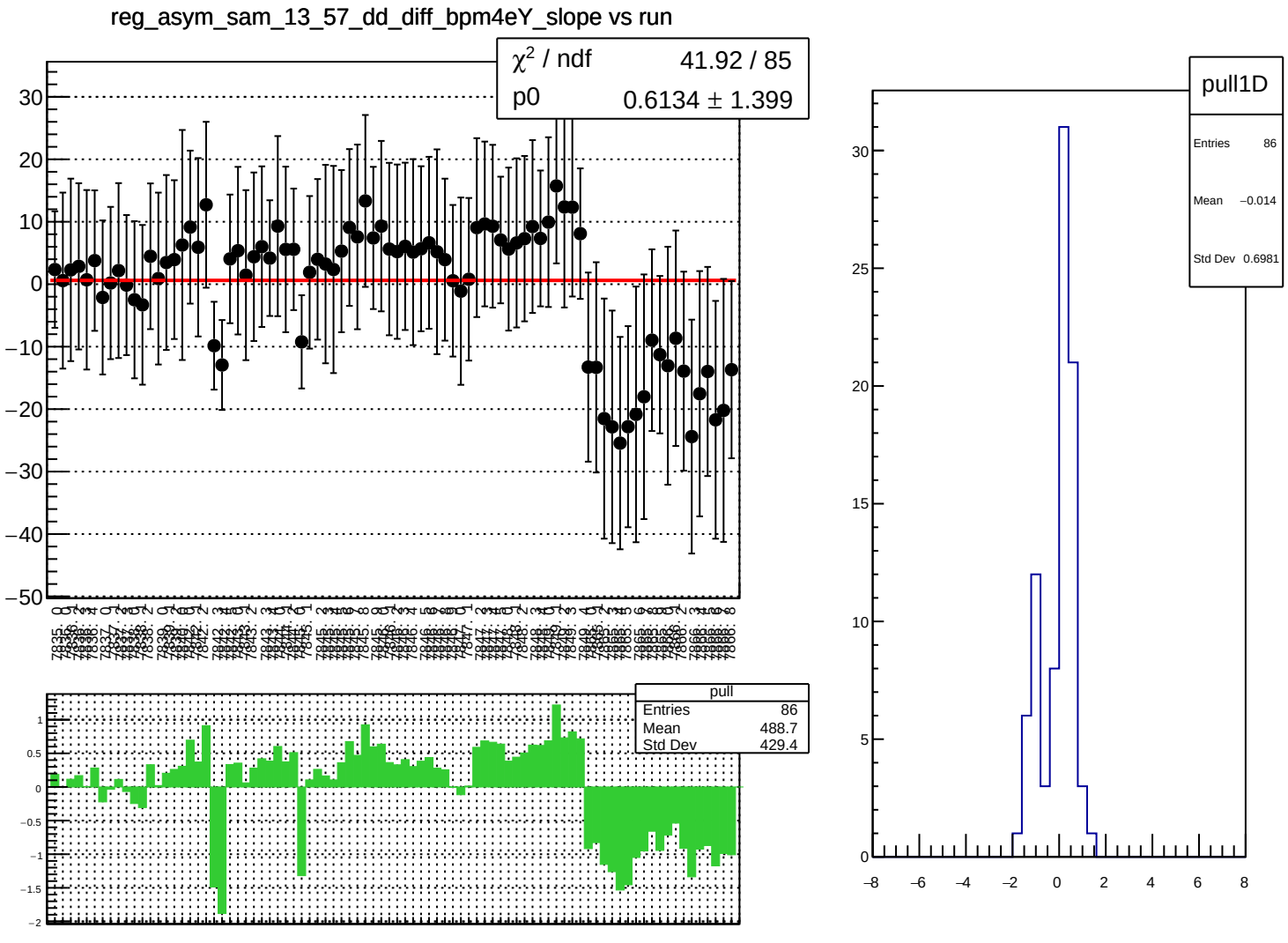

pull1D
Entries 86
Mean −0.06835
Std Dev 0.657

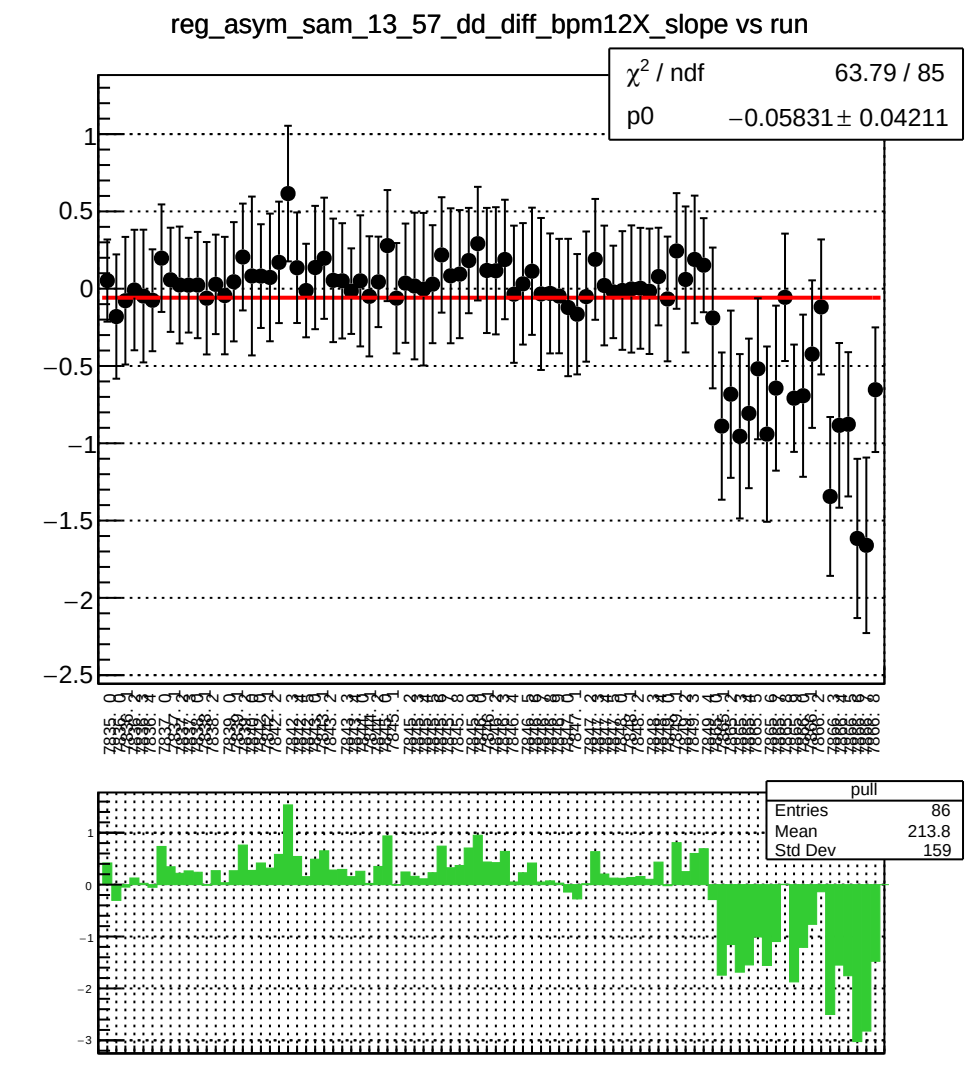

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 120.4 / 85
p0 −24.66 ± 1.008
pull
Entries 86
Mean 79.72
Std Dev 10.91
pull1D
Entries 86
Mean −0.4135
Std Dev 1.108

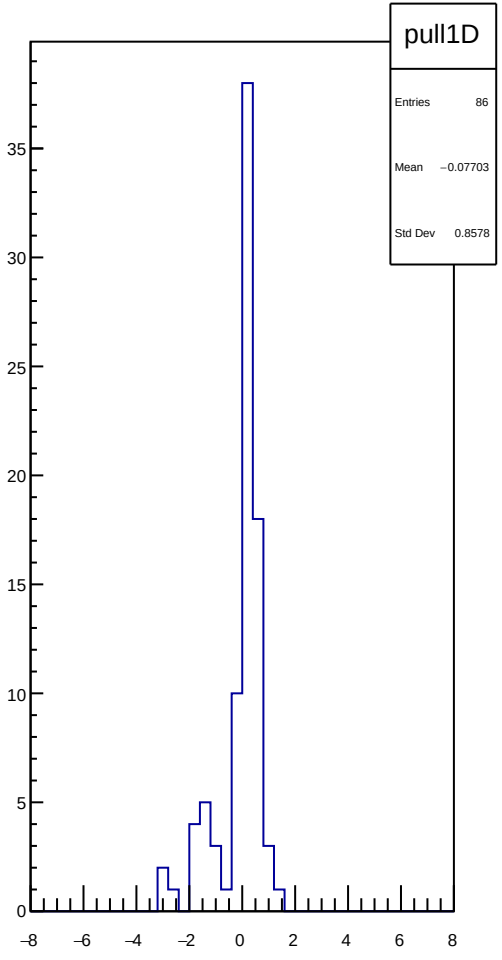

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.79 / 85
p0 −41.87 ± 1.208
pull
Entries 86
Mean −87.77
Std Dev 145

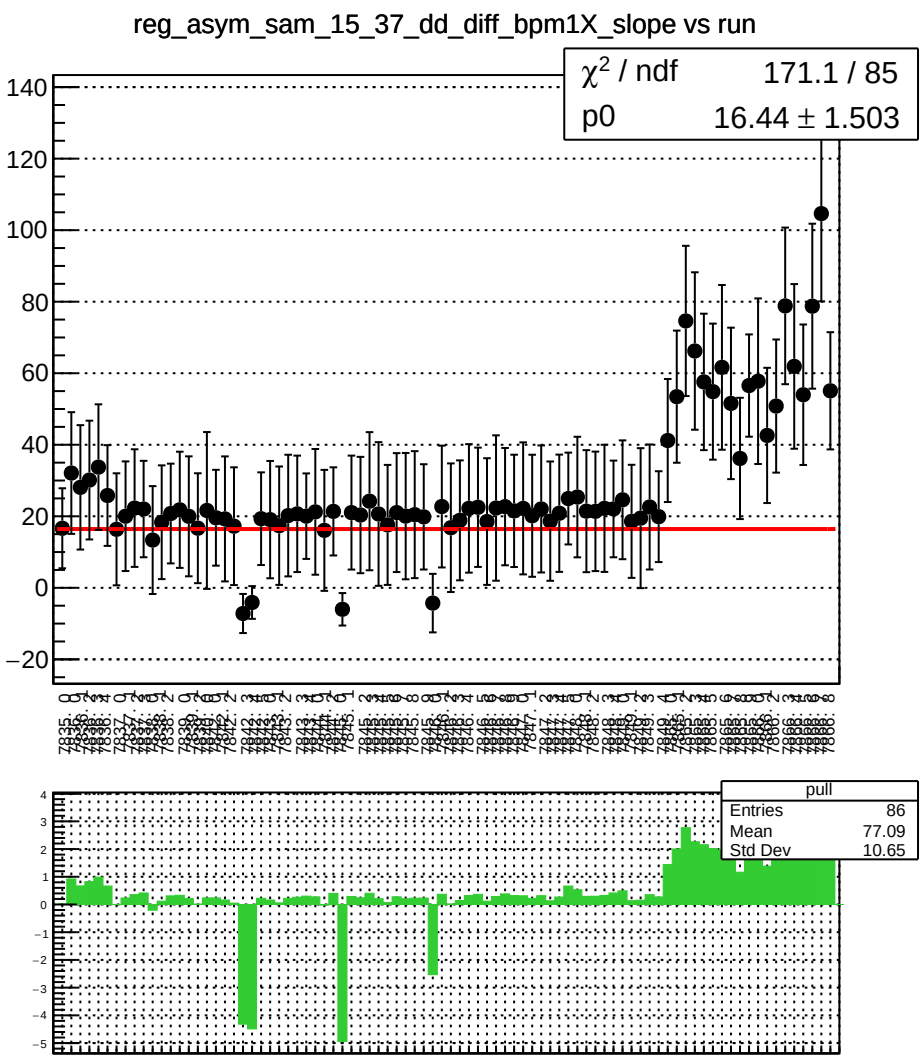

pull1D
Entries 86
Mean −0.04155
Std Dev 0.7674

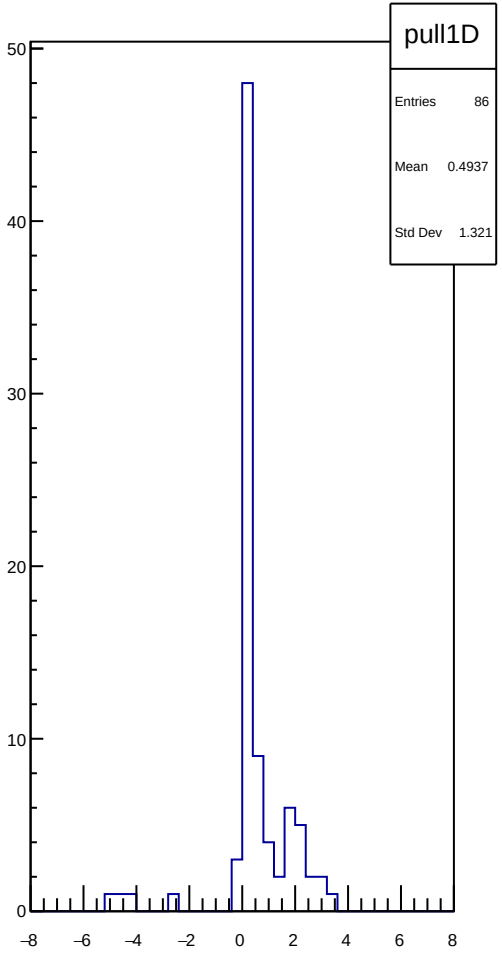

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 115.2 / 85
p0 −4.644 ± 0.8757
pull
Entries 86
Mean 73.24
Std Dev 14.6
pull1D
Entries 86
Mean 0.4556
Std Dev 1.064

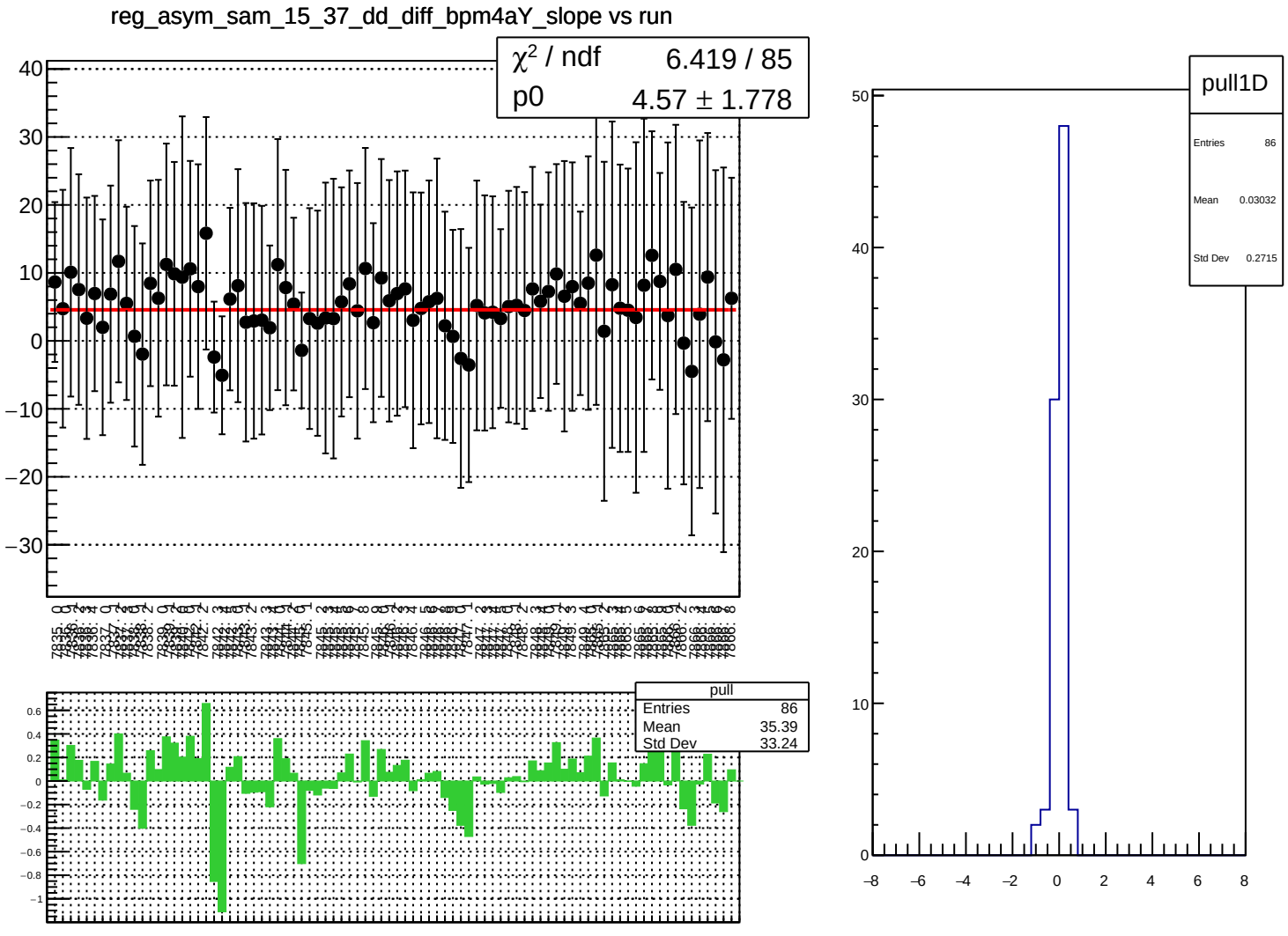

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.92 / 85
p0 0.6134 ± 1.399
pull
Entries 86
Mean 488.7
Std Dev 429.4
pull1D
Entries 86
Mean −0.014
Std Dev 0.6981

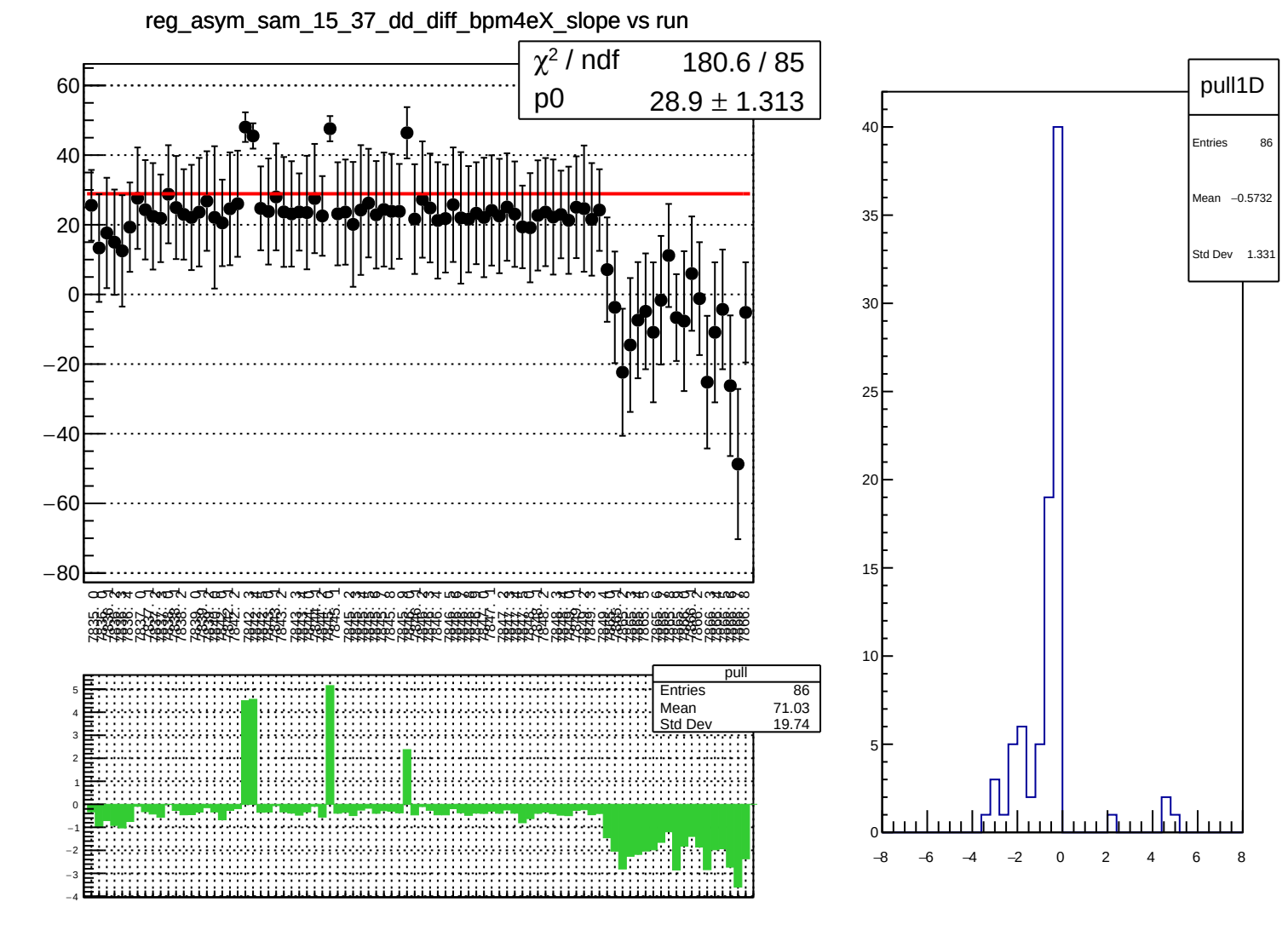

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 63.79 / 85
p0 −0.05831 ± 0.04211
pull
Entries 86
Mean 213.8
Std Dev 159

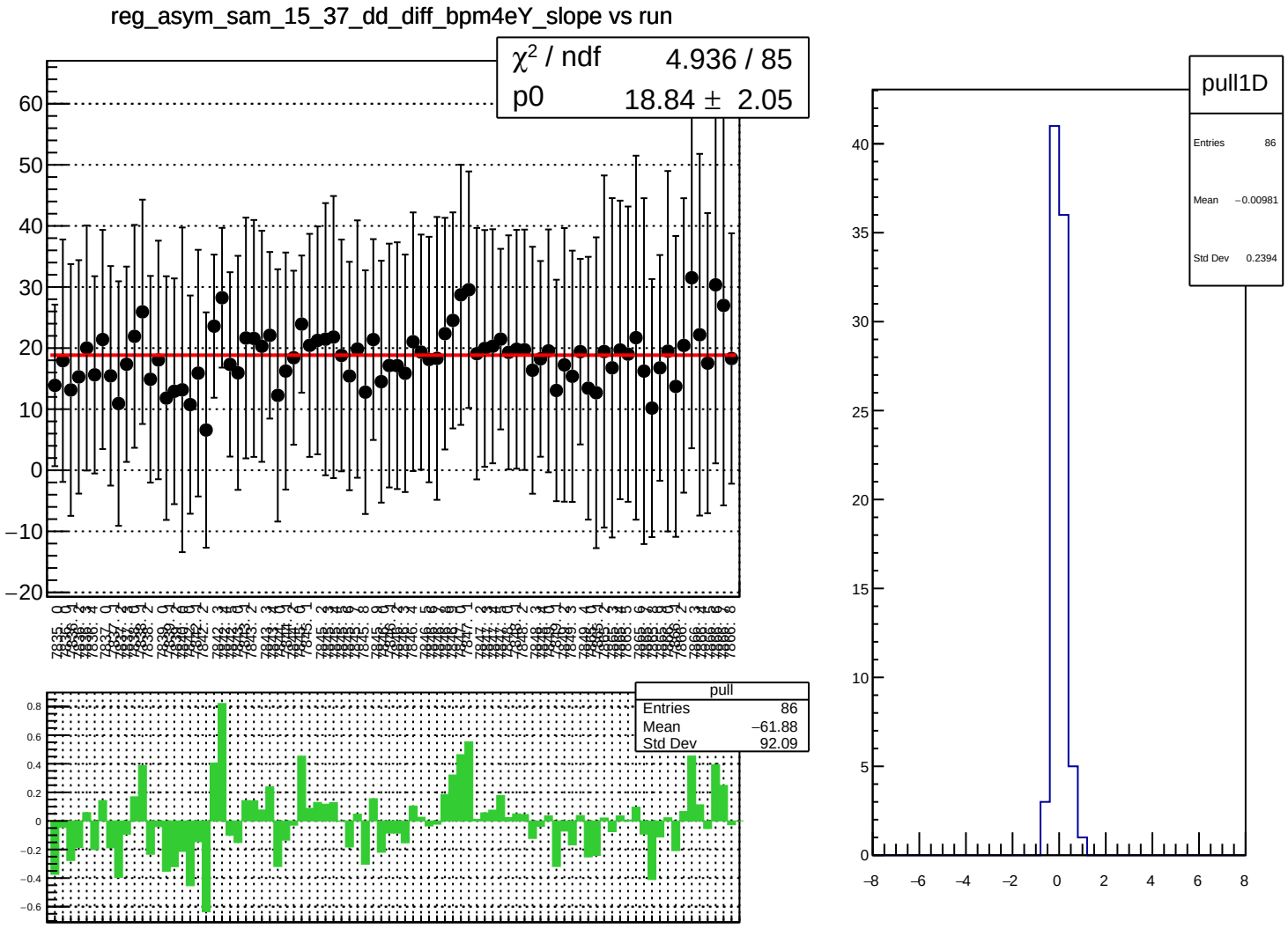

pull1D
Entries 86
Mean −0.07703
Std Dev 0.8578

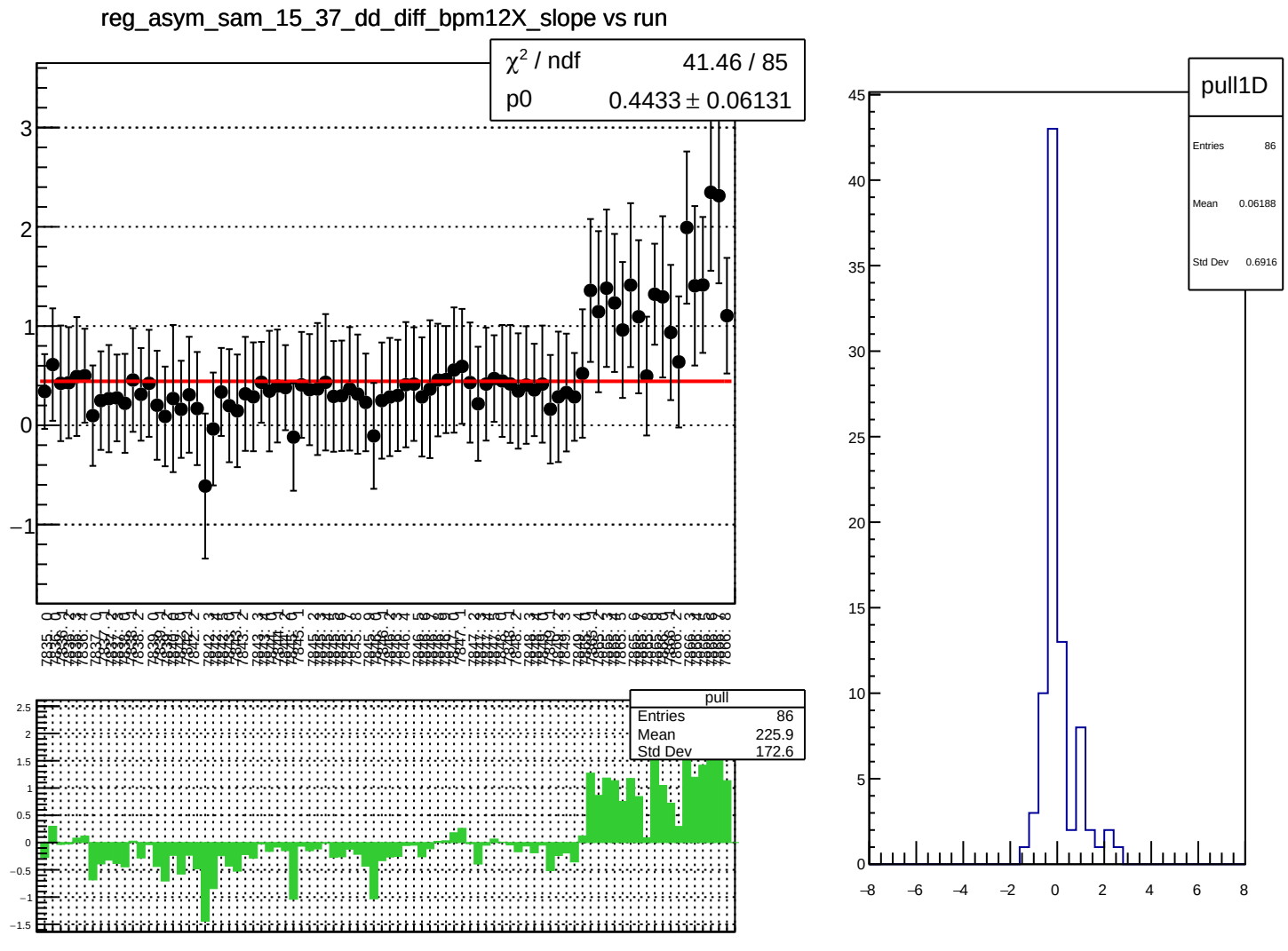

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 171.1 / 85
p0 16.44 ± 1.503
pull
Entries 86
Mean 77.09
Std Dev 10.65

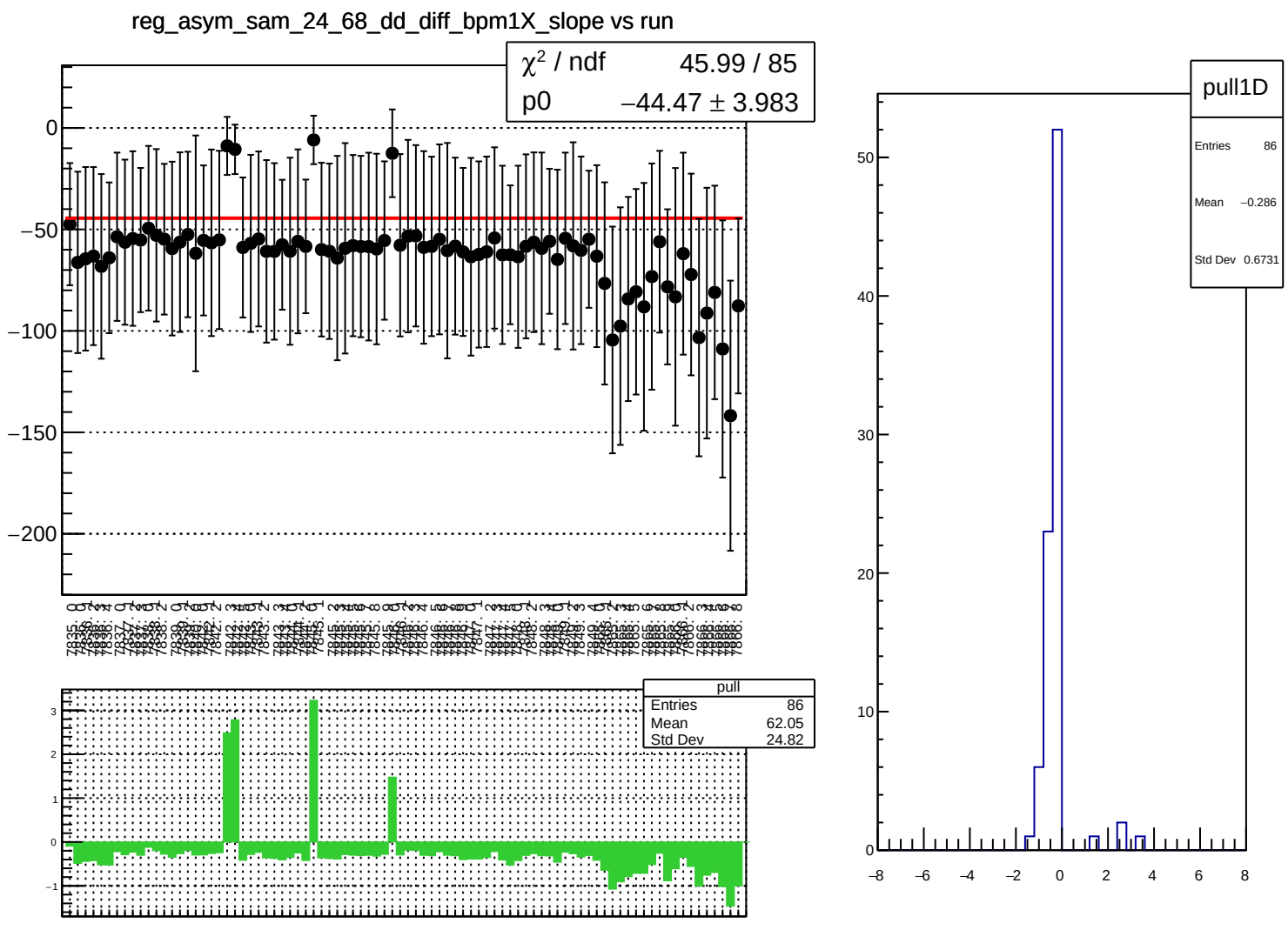

pull1D
Entries 86
Mean 0.4937
Std Dev 1.321

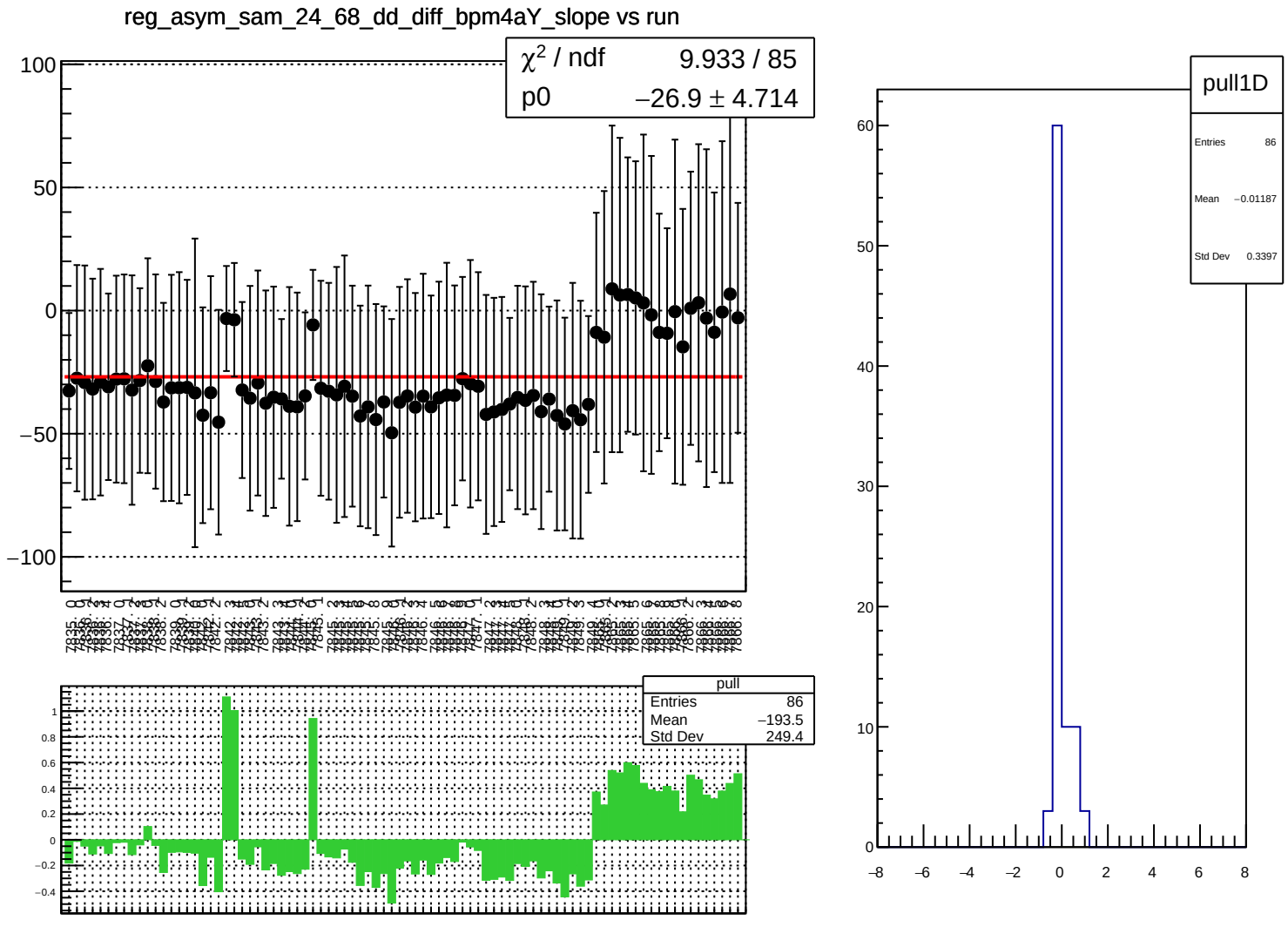

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.419 / 85
p0 4.57 ± 1.778
pull
Entries 86
Mean 35.39
Std Dev 33.24
pull1D
Entries 86
Mean 0.03032
Std Dev 0.2715

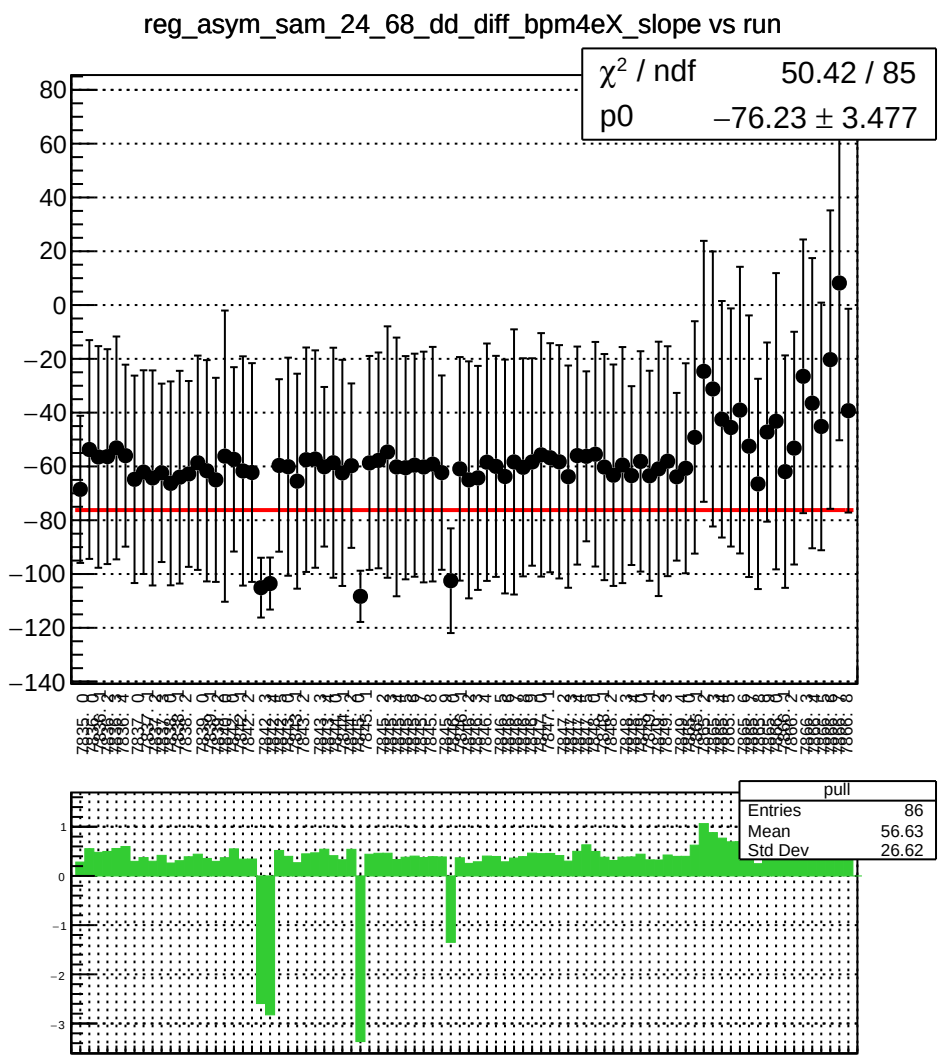

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 180.6 / 85
p0 28.9 ± 1.313
pull
Entries 86
Mean 71.03
Std Dev 19.74
pull1D
Entries 86
Mean −0.5732
Std Dev 1.331

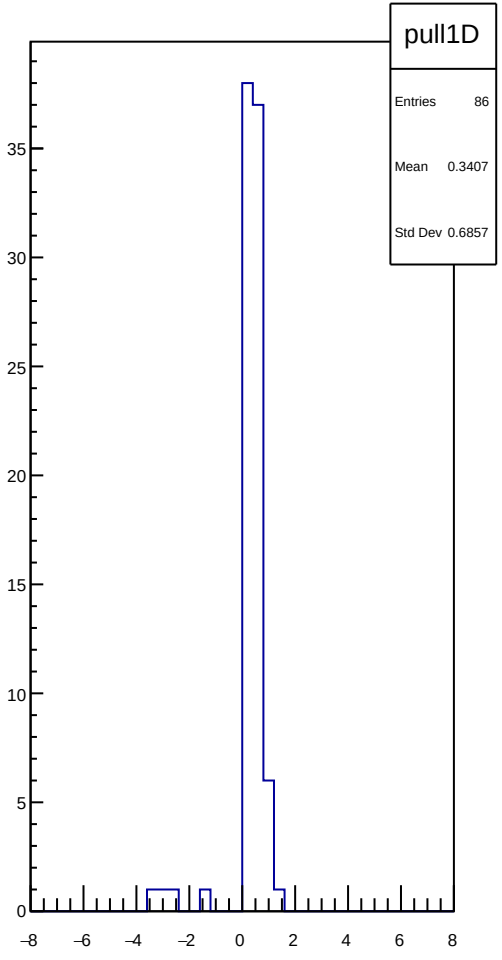

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.936 / 85
p0 18.84 ± 2.05
pull
Entries 86
Mean −61.88
Std Dev 92.09
pull1D
Entries 86
Mean −0.00981
Std Dev 0.2394

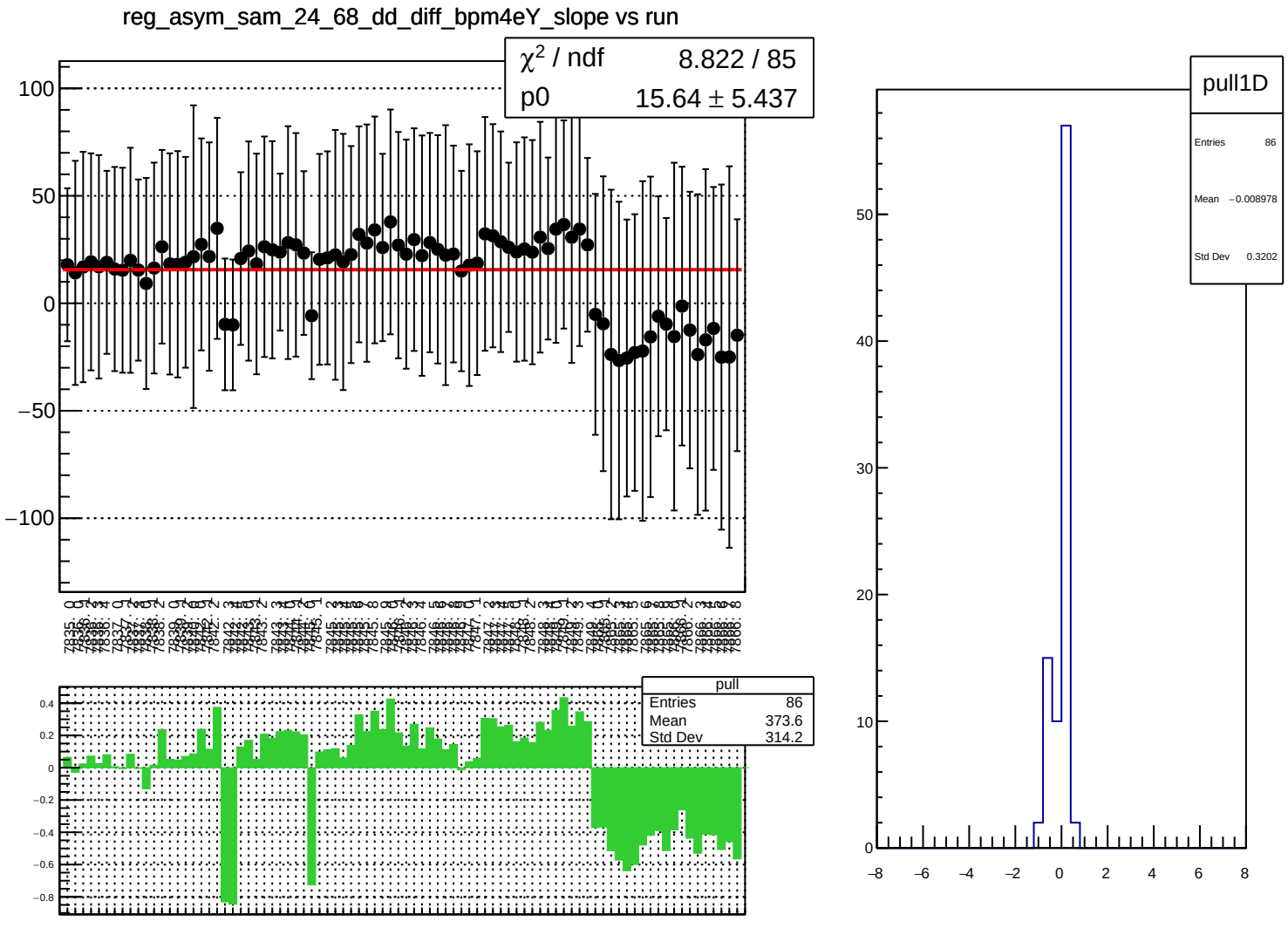

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 41.46 / 85
p0 0.4433 ± 0.06131
pull
Entries 86
Mean 225.9
Std Dev 172.6
pull1D
Entries 86
Mean 0.06188
Std Dev 0.6916

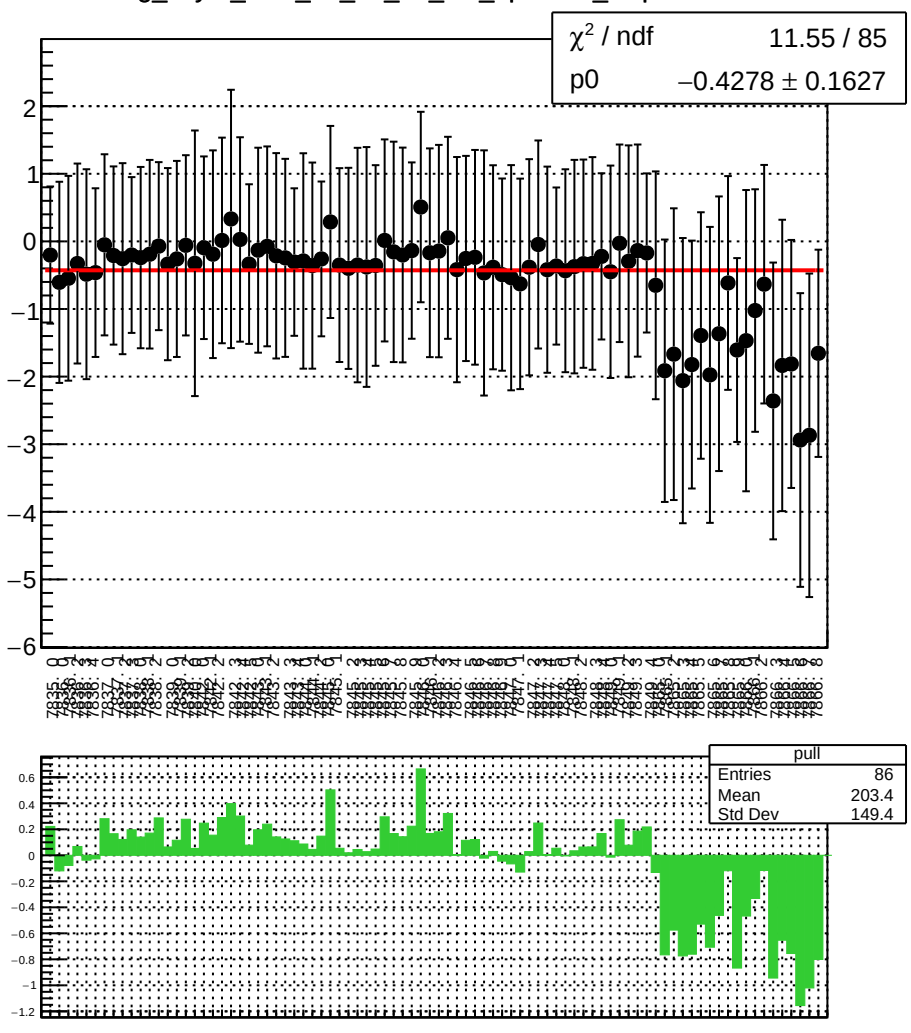

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 45.99 / 85
p0 −44.47 ± 3.983
0
−50
−100
−150
−200
pull
Entries 86
Mean 62.05
Std Dev 24.82
3
2
1
0
−1
pull1D
Entries 86
Mean −0.286
Std Dev 0.6731
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

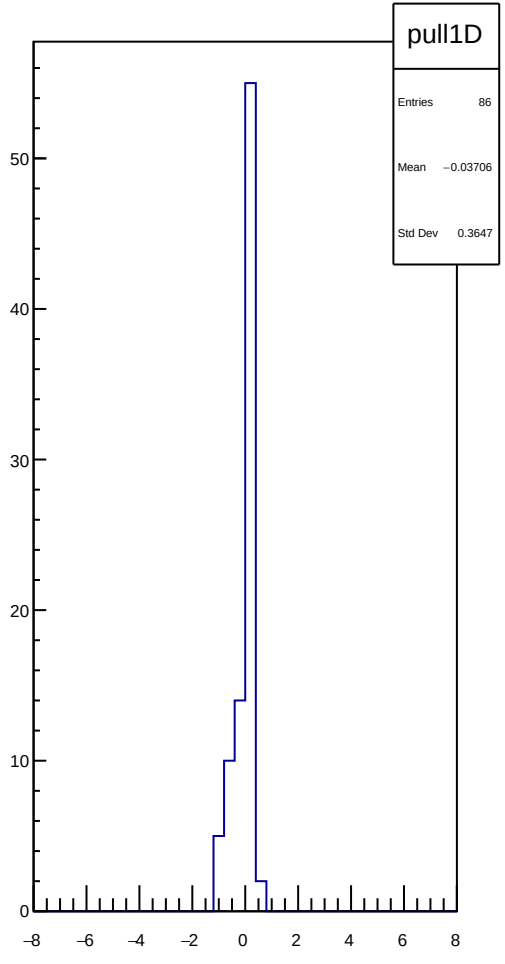

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.933 / 85
p0 −26.9 ± 4.714
pull
Entries 86
Mean −193.5
Std Dev 249.4
pull1D
Entries 86
Mean −0.01187
Std Dev 0.3397

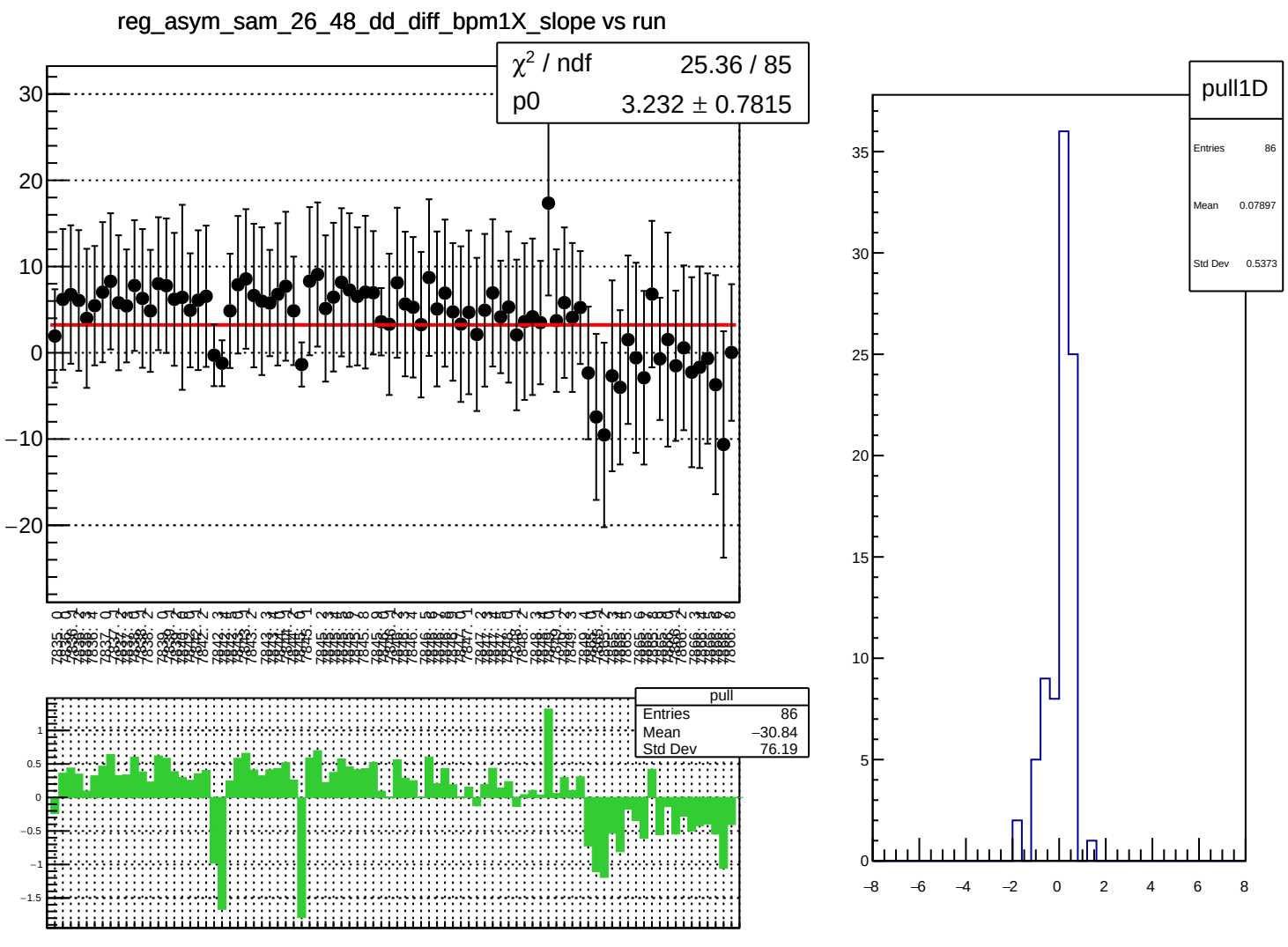

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.42 / 85
p0 −76.23 ± 3.477
pull
Entries 86
Mean 56.63
Std Dev 26.62

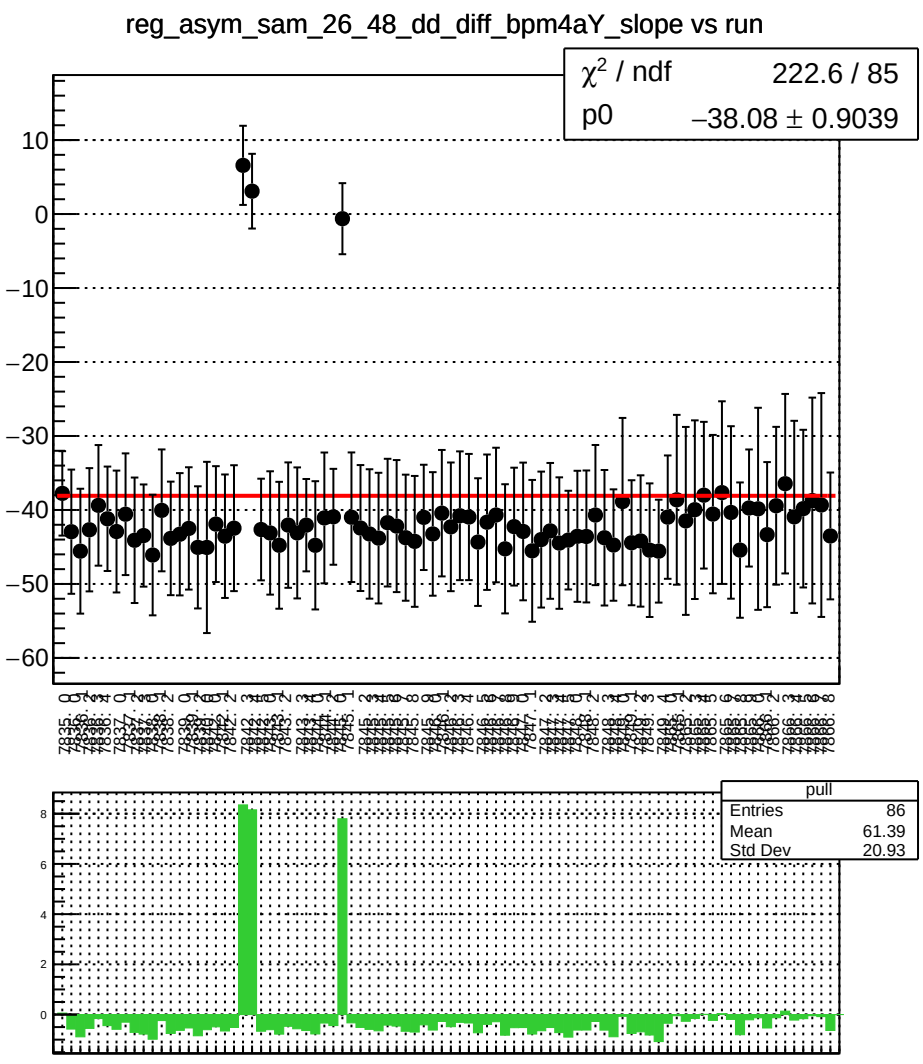

pull1D
Entries 86
Mean 0.3407
Std Dev 0.6857

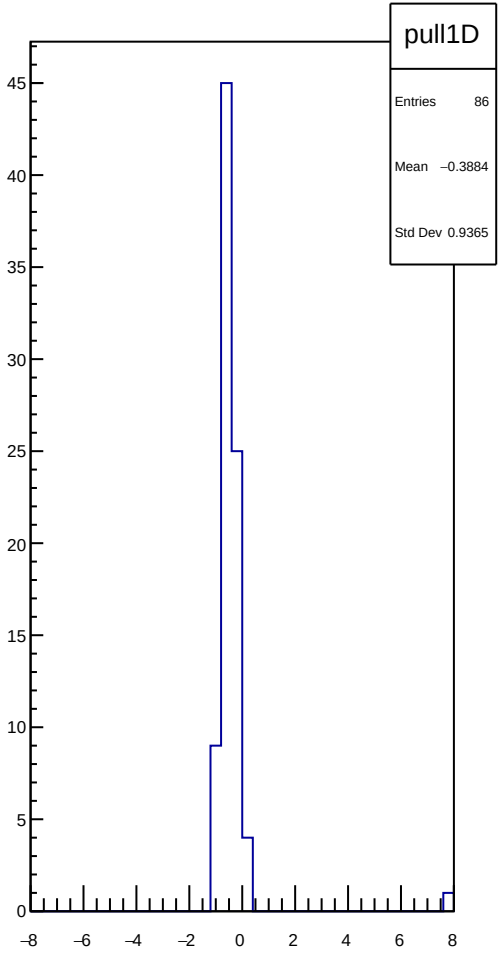

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.822 / 85
p0 15.64 ± 5.437
100
50
0
−50
−100
pull
Entries 86
Mean 373.6
Std Dev 314.2
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 86
Mean −0.008978
Std Dev 0.3202
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

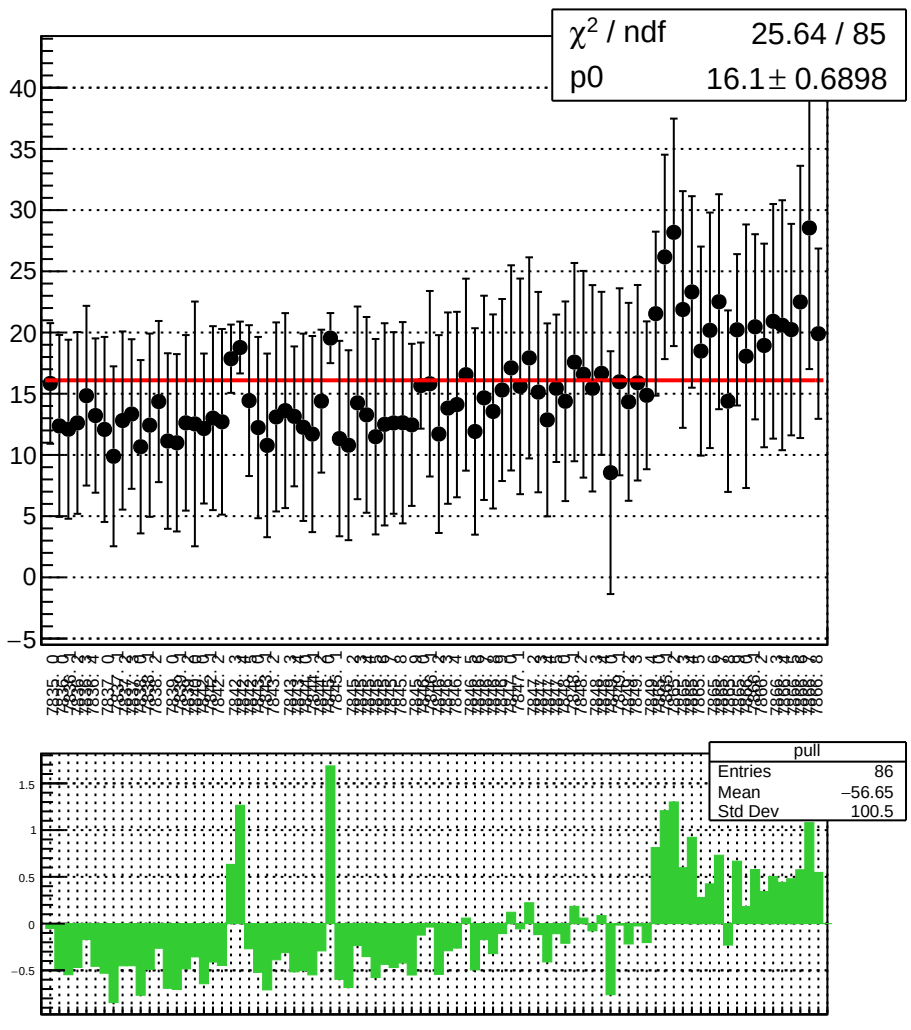

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 11.55 / 85
p0 −0.4278 ± 0.1627
pull
Entries 86
Mean 203.4
Std Dev 149.4

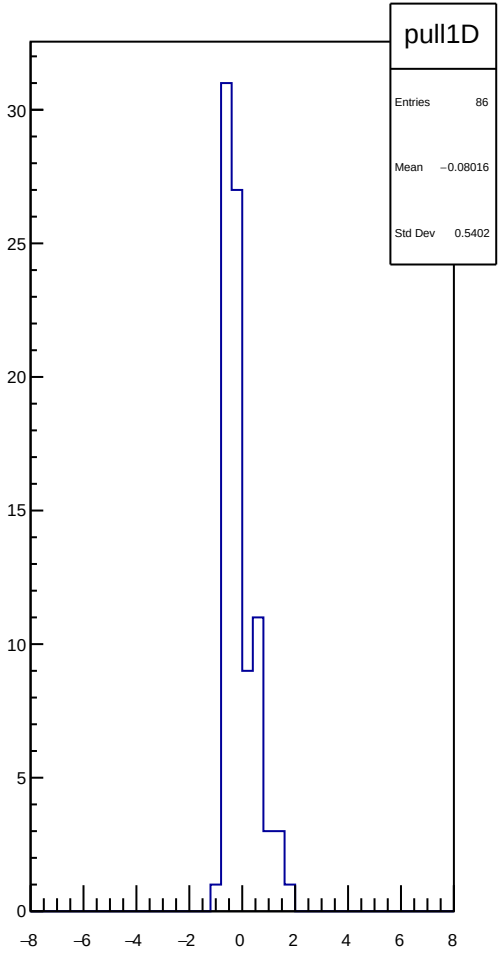

pull1D
Entries 86
Mean −0.03706
Std Dev 0.3647

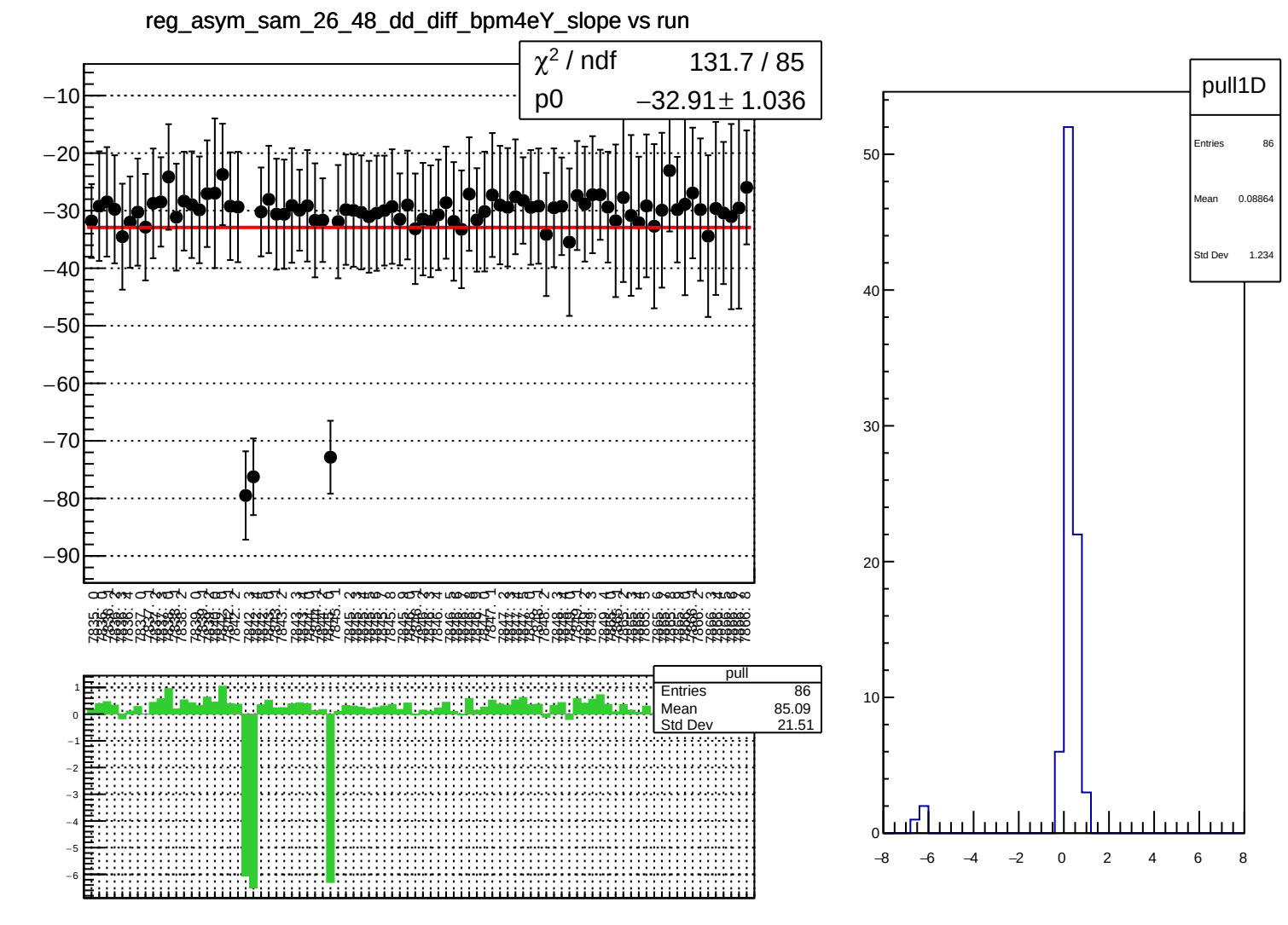

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 25.36 / 85
p0 3.232 ± 0.7815
pull
Entries 86
Mean −30.84
Std Dev 76.19
pull1D
Entries 86
Mean 0.07897
Std Dev 0.5373

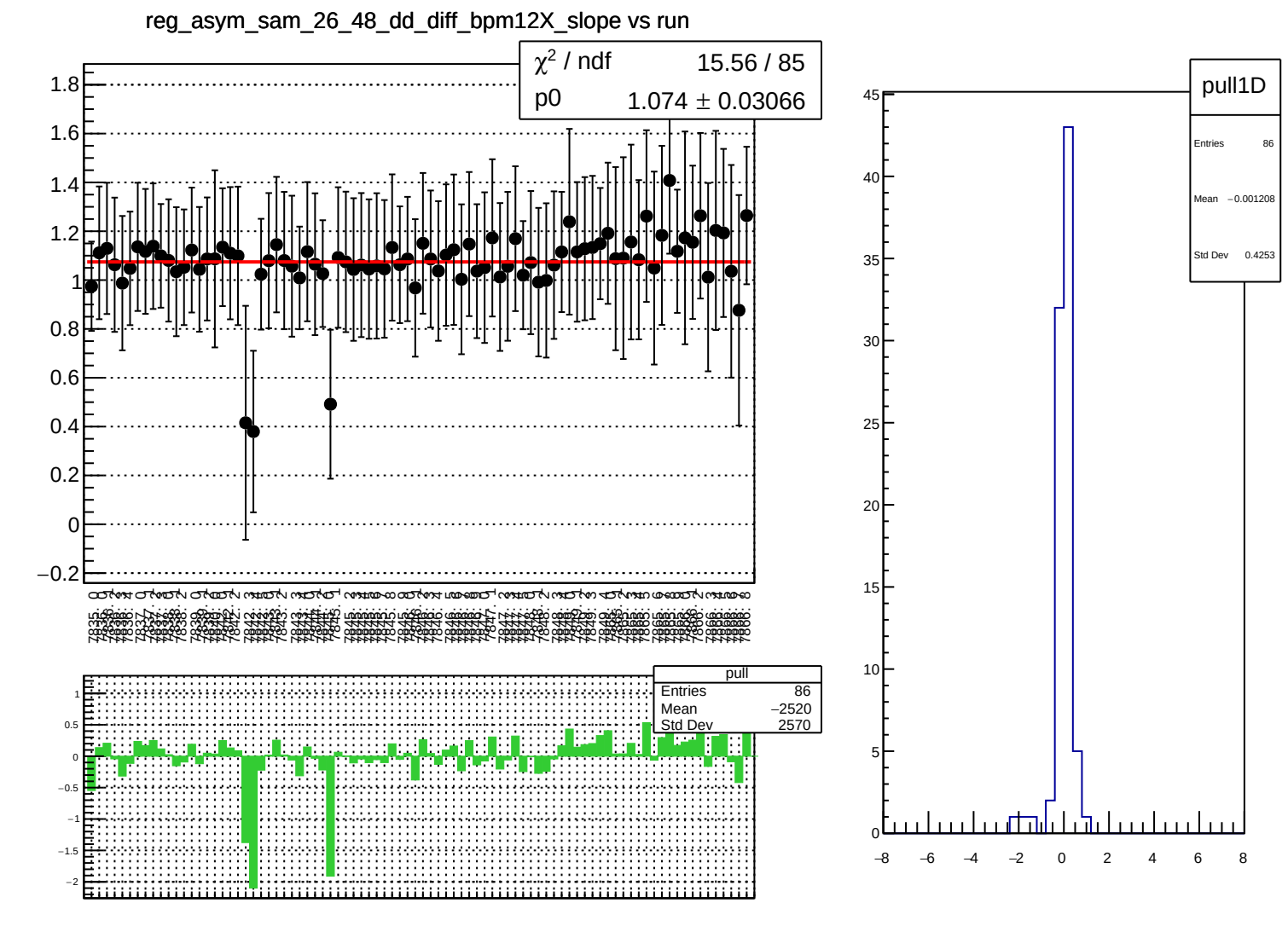

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 222.6 / 85
p0 −38.08 ± 0.9039
pull
Entries 86
Mean 61.39
Std Dev 20.93

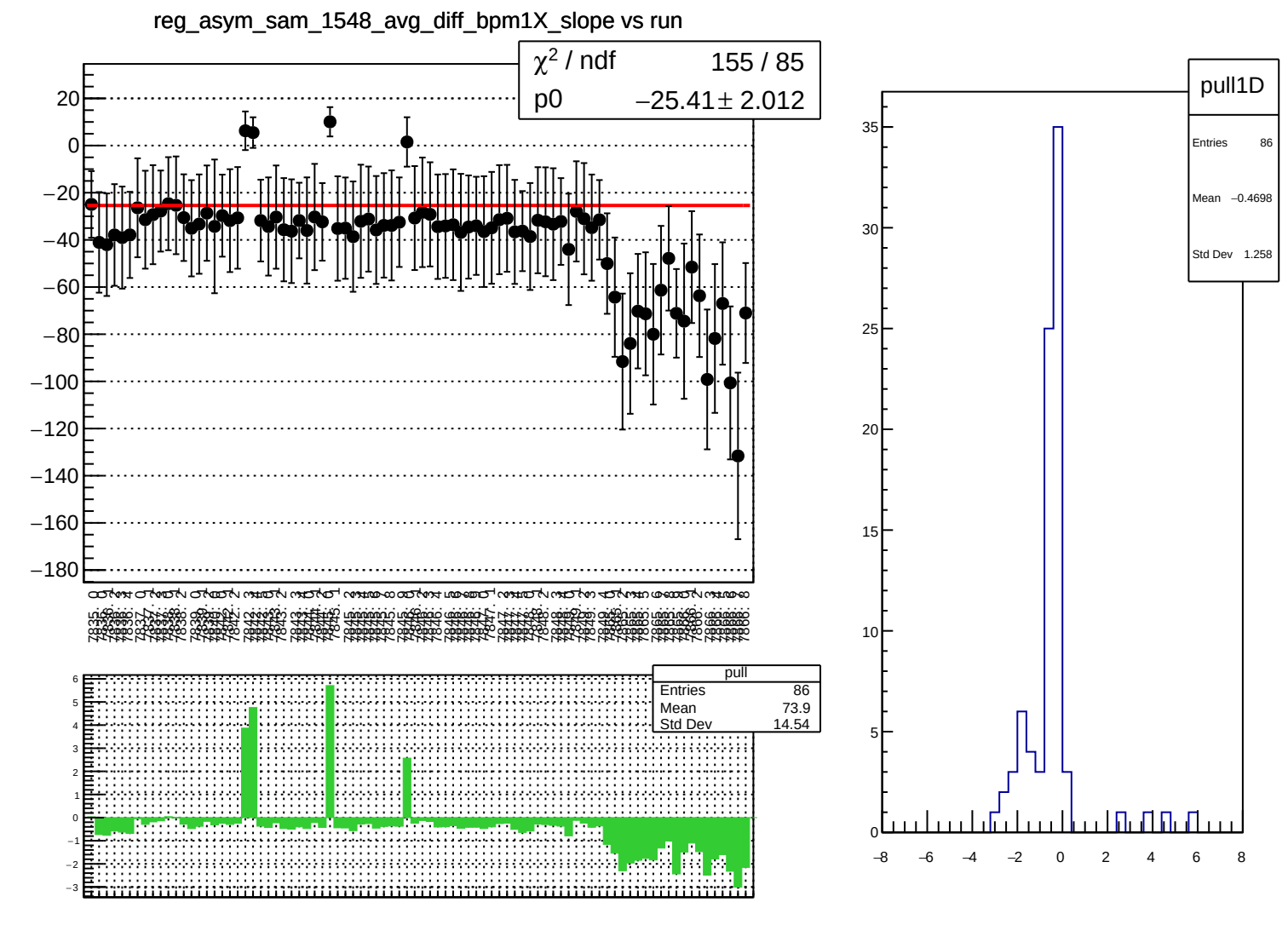

pull1D
Entries 86
Mean −0.3884
Std Dev 0.9365

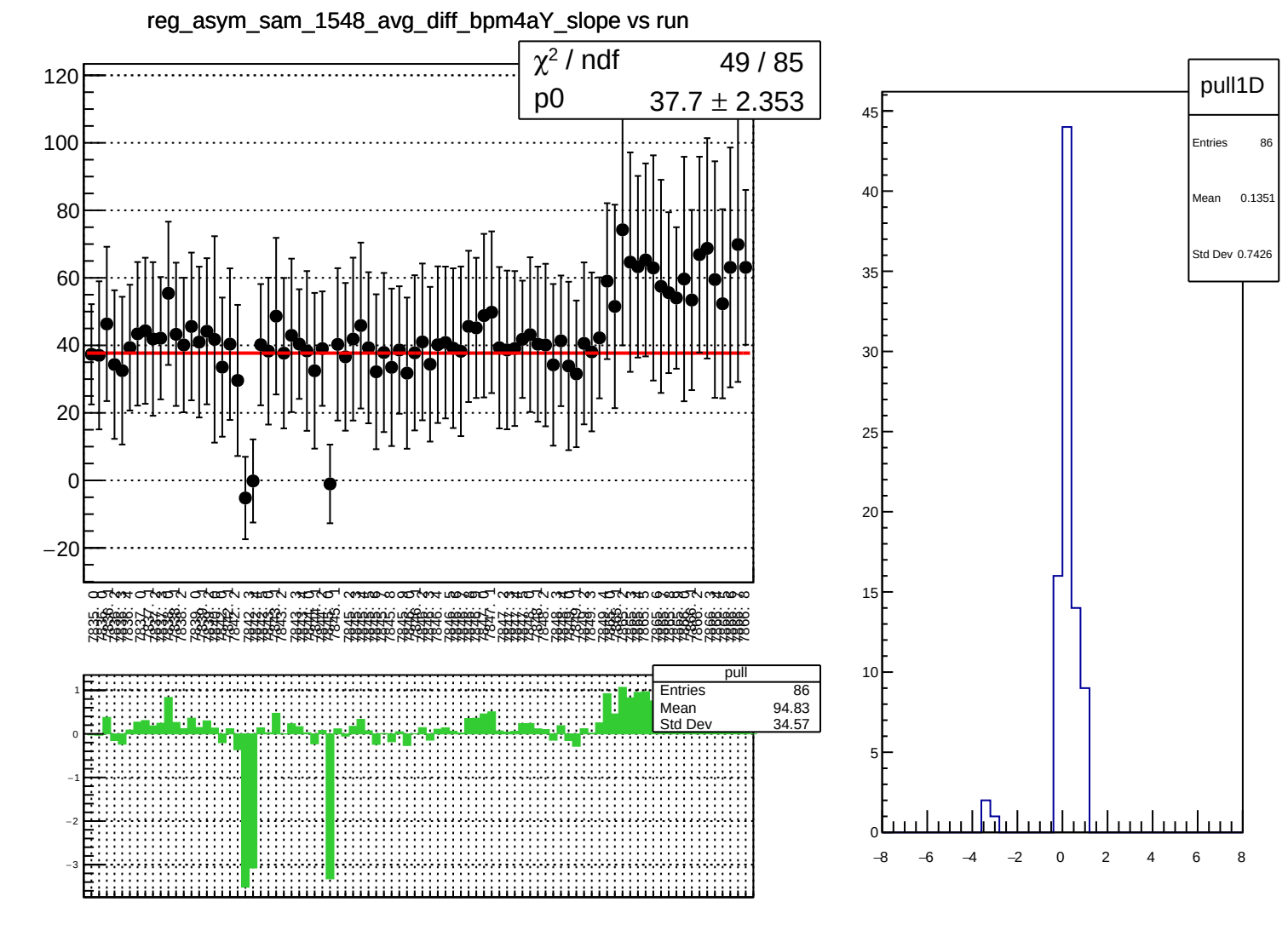

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.64 / 85
p0 16.1 ± 0.6898
pull
Entries 86
Mean −56.65
Std Dev 100.5

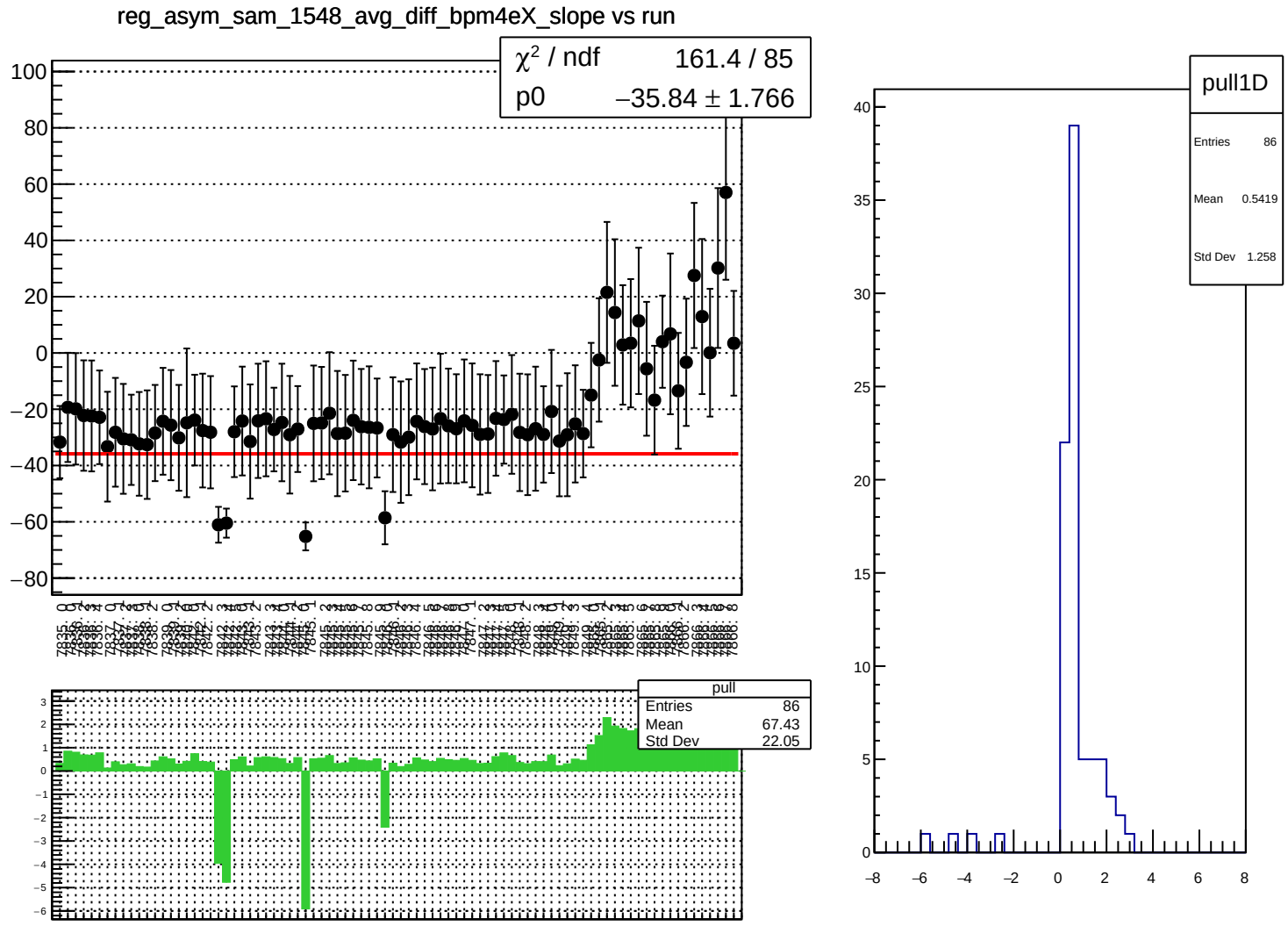

pull1D
Entries 86
Mean −0.08016
Std Dev 0.5402

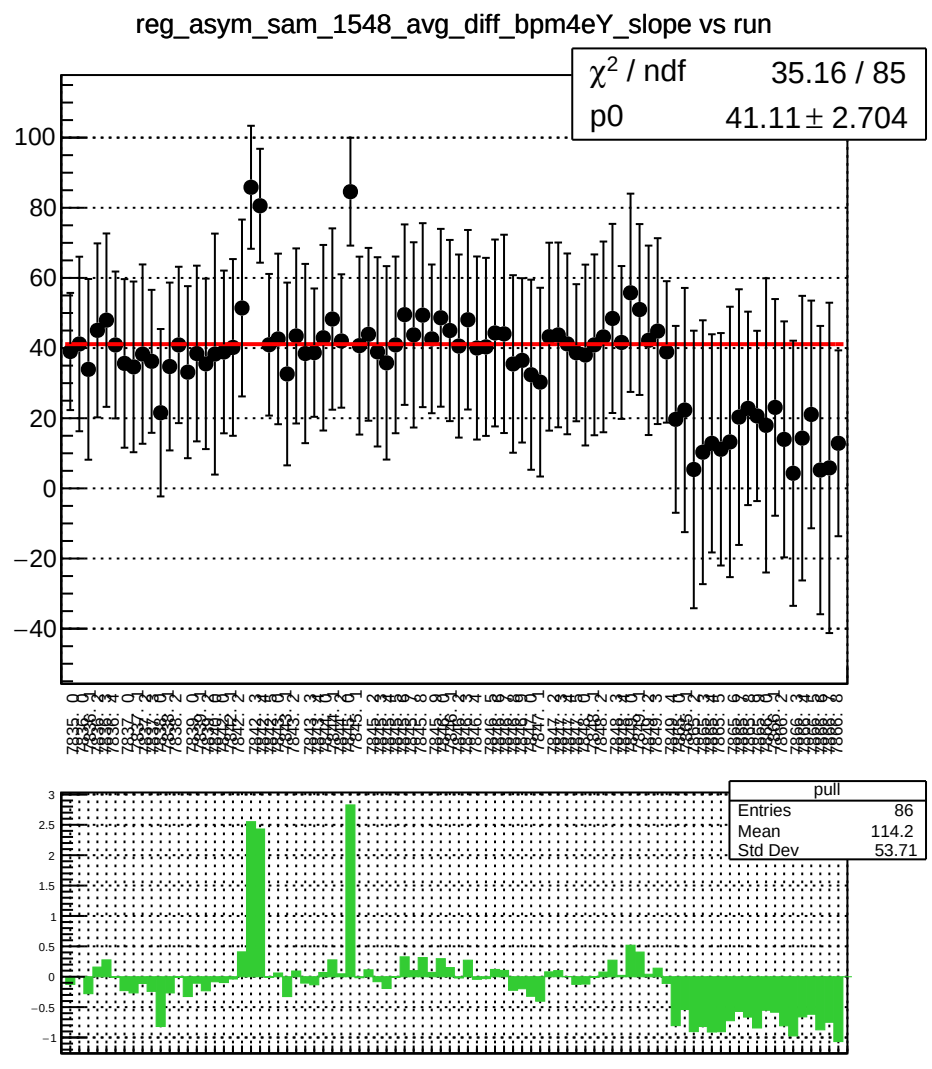

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 131.7 / 85
p0 −32.91 ± 1.036
pull
Entries 86
Mean 85.09
Std Dev 21.51
pull1D
Entries 86
Mean 0.08864
Std Dev 1.234

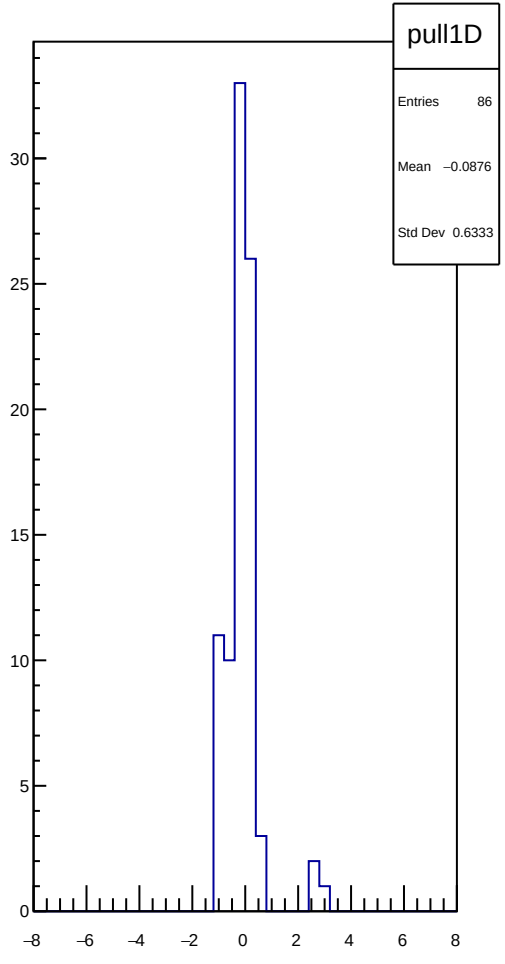

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.56 / 85
p0 1.074 ± 0.03066
pull
Entries 86
Mean −2520
Std Dev 2570
pull1D
Entries 86
Mean −0.001208
Std Dev 0.4253

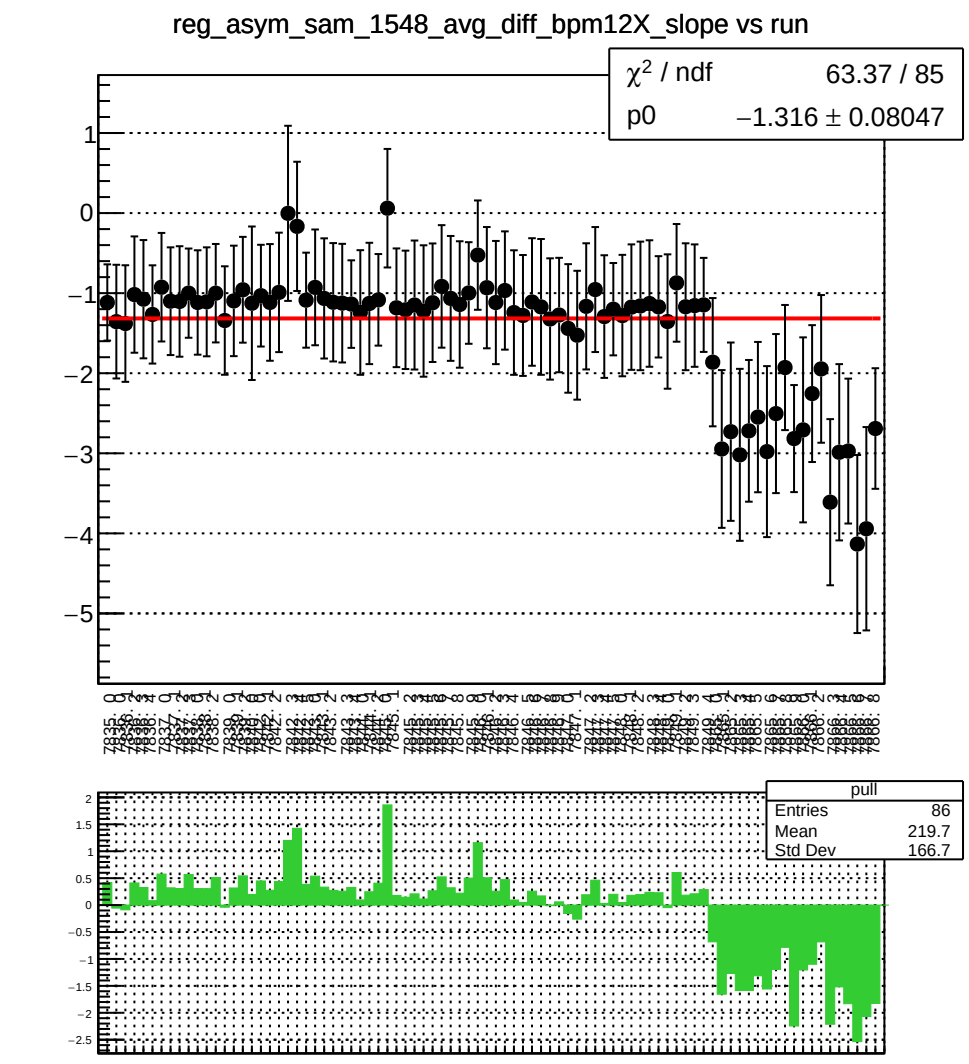

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 155 / 85
p0 −25.41 ± 2.012
pull
Entries 86
Mean 73.9
Std Dev 14.54
pull1D
Entries 86
Mean −0.4698
Std Dev 1.258

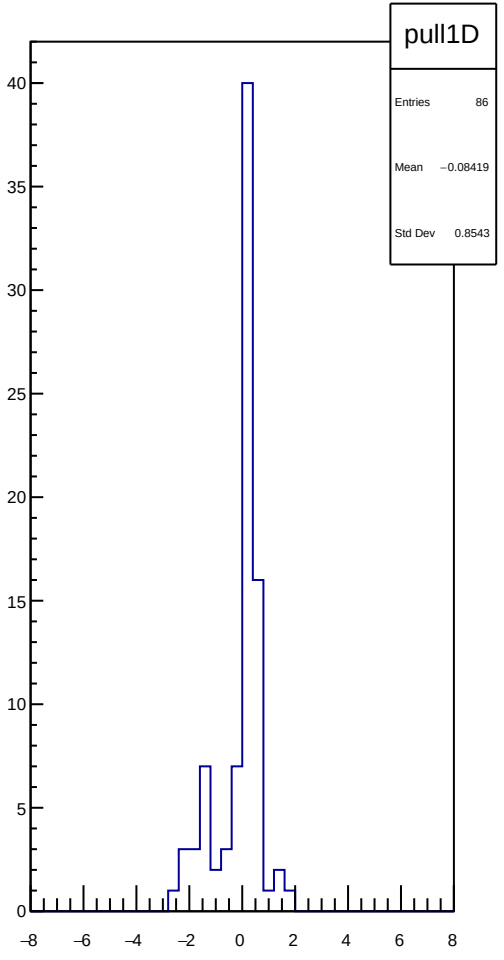

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 49 / 85
p0 37.7 ± 2.353
pull
Entries 86
Mean 94.83
Std Dev 34.57
pull1D
Entries 86
Mean 0.1351
Std Dev 0.7426

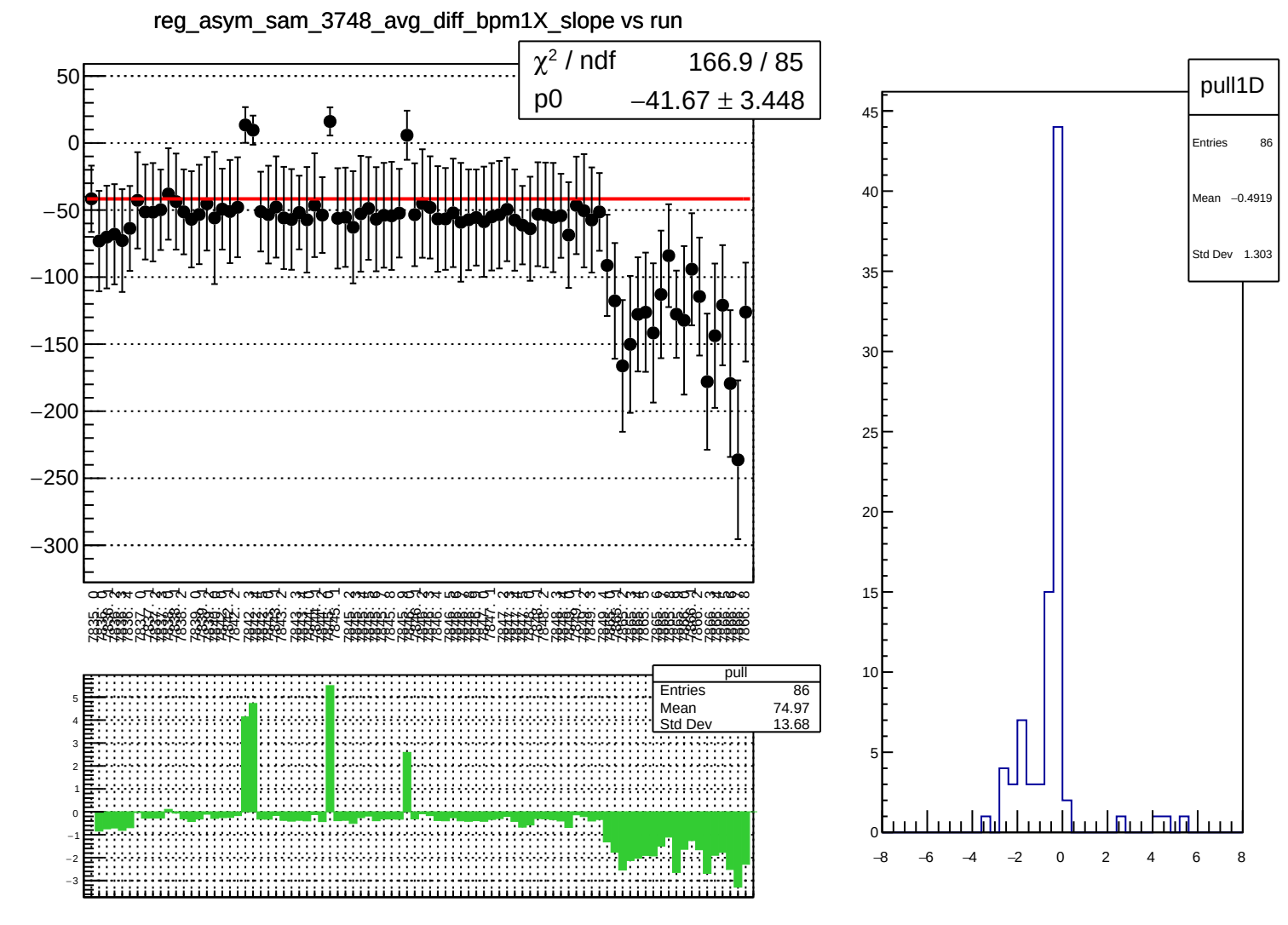

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 161.4 / 85
p0 −35.84 ± 1.766
pull
Entries 86
Mean 67.43
Std Dev 22.05
pull1D
Entries 86
Mean 0.5419
Std Dev 1.258

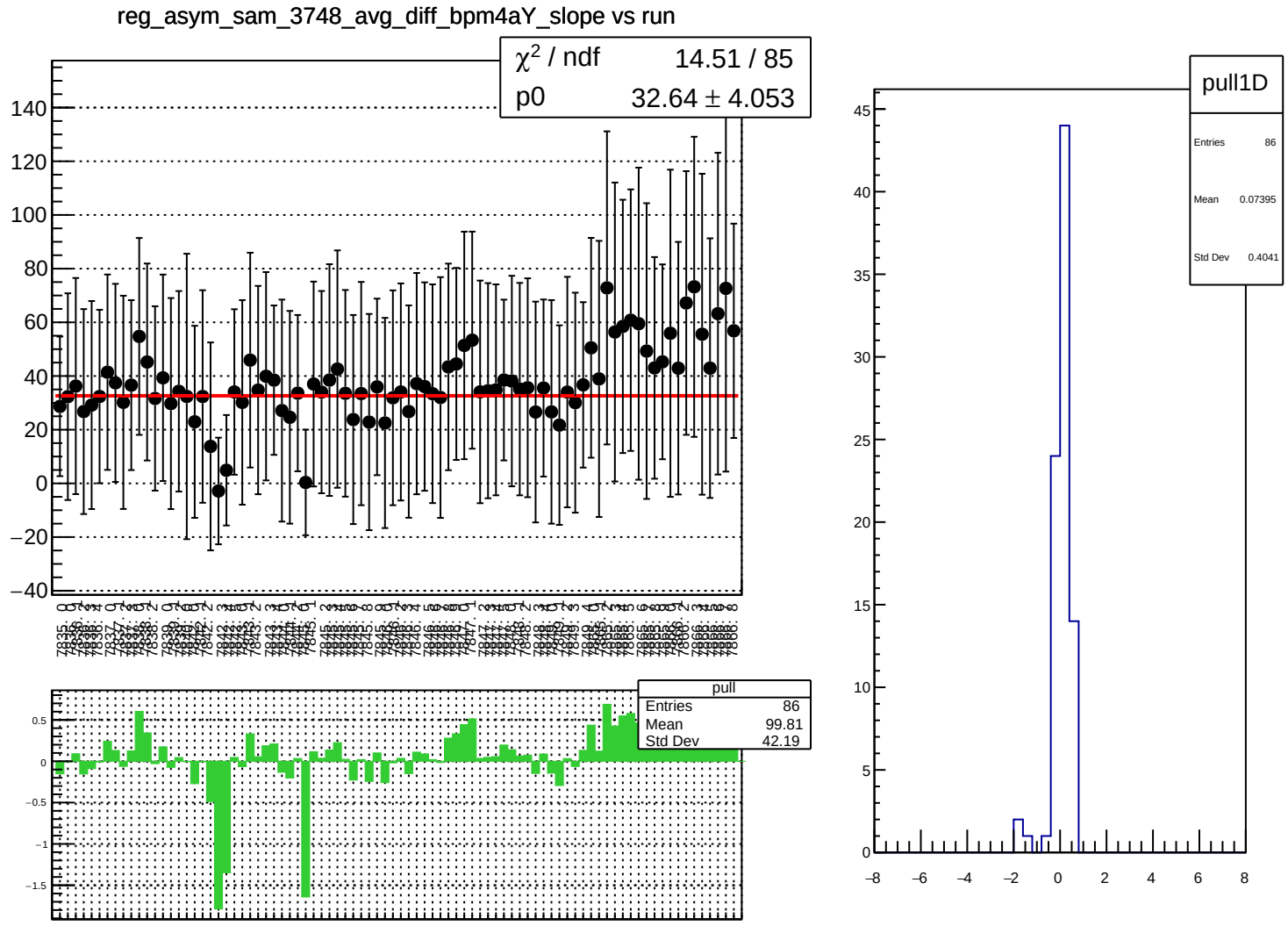

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.16 / 85
p0 41.11 ± 2.704
pull
Entries 86
Mean 114.2
Std Dev 53.71

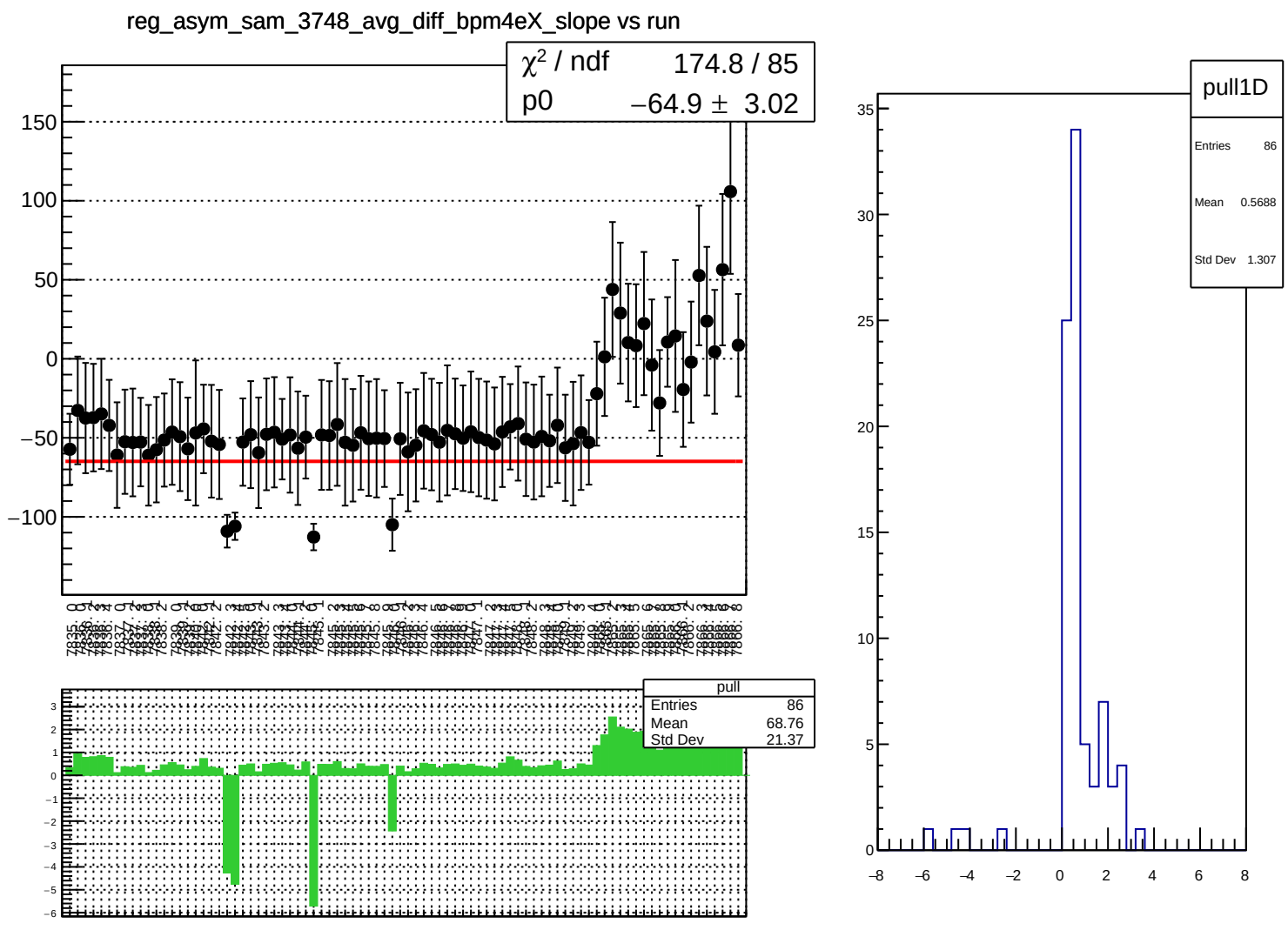

pull1D
Entries 86
Mean −0.0876
Std Dev 0.6333

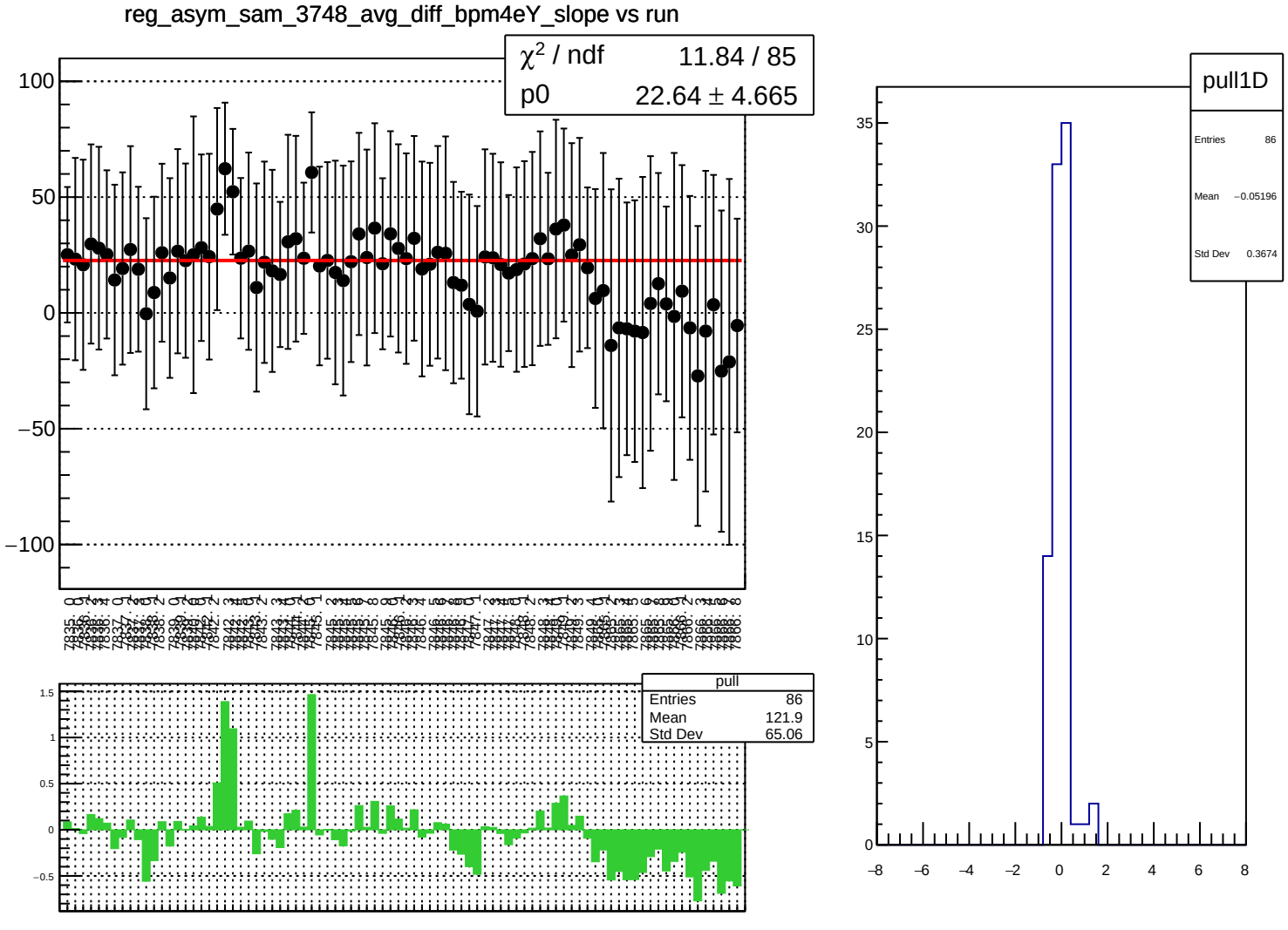

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 63.37 / 85
p0 −1.316 ± 0.08047
pull
Entries 86
Mean 219.7
Std Dev 166.7

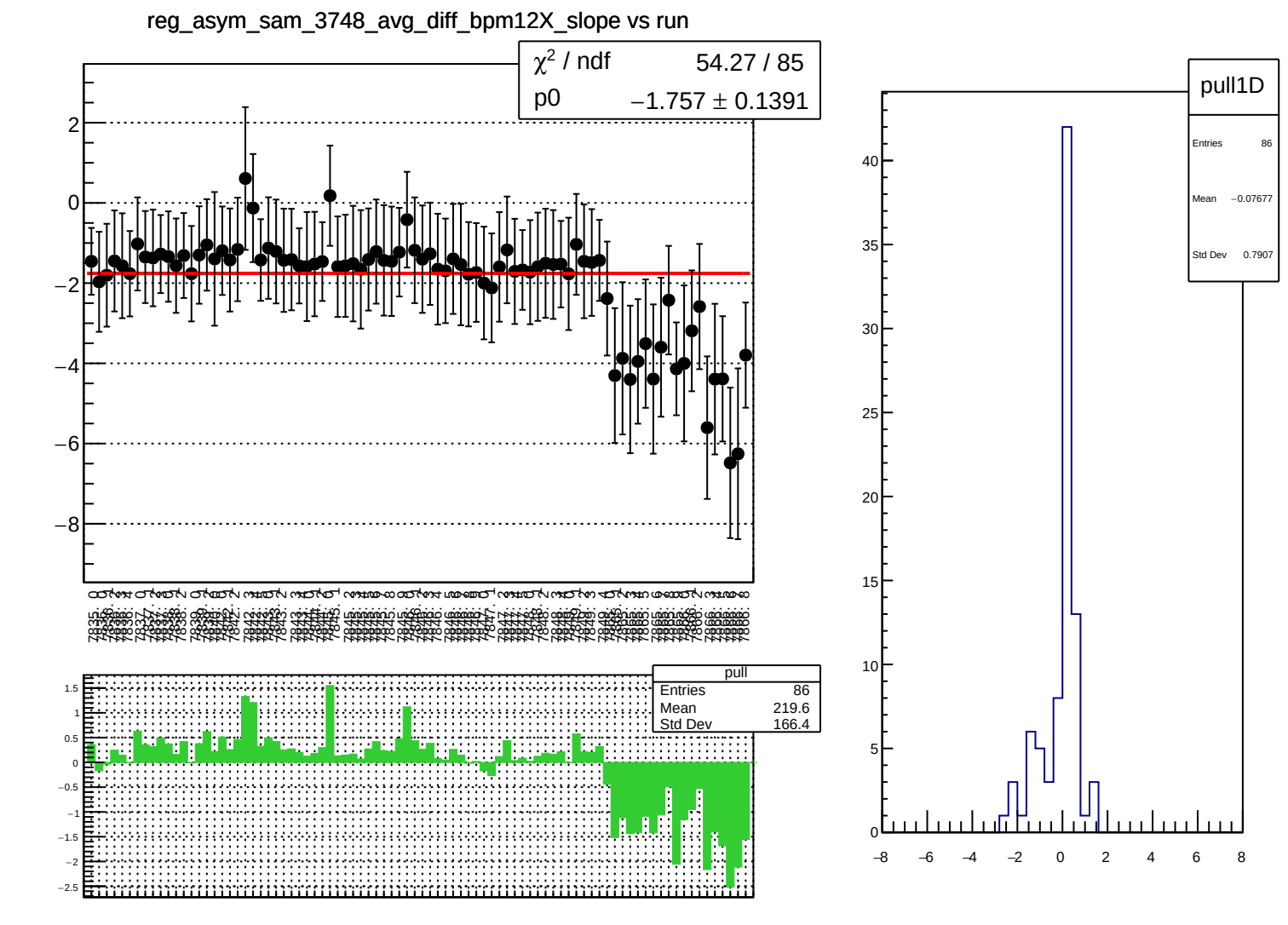

pull1D
Entries 86
Mean −0.08419
Std Dev 0.8543

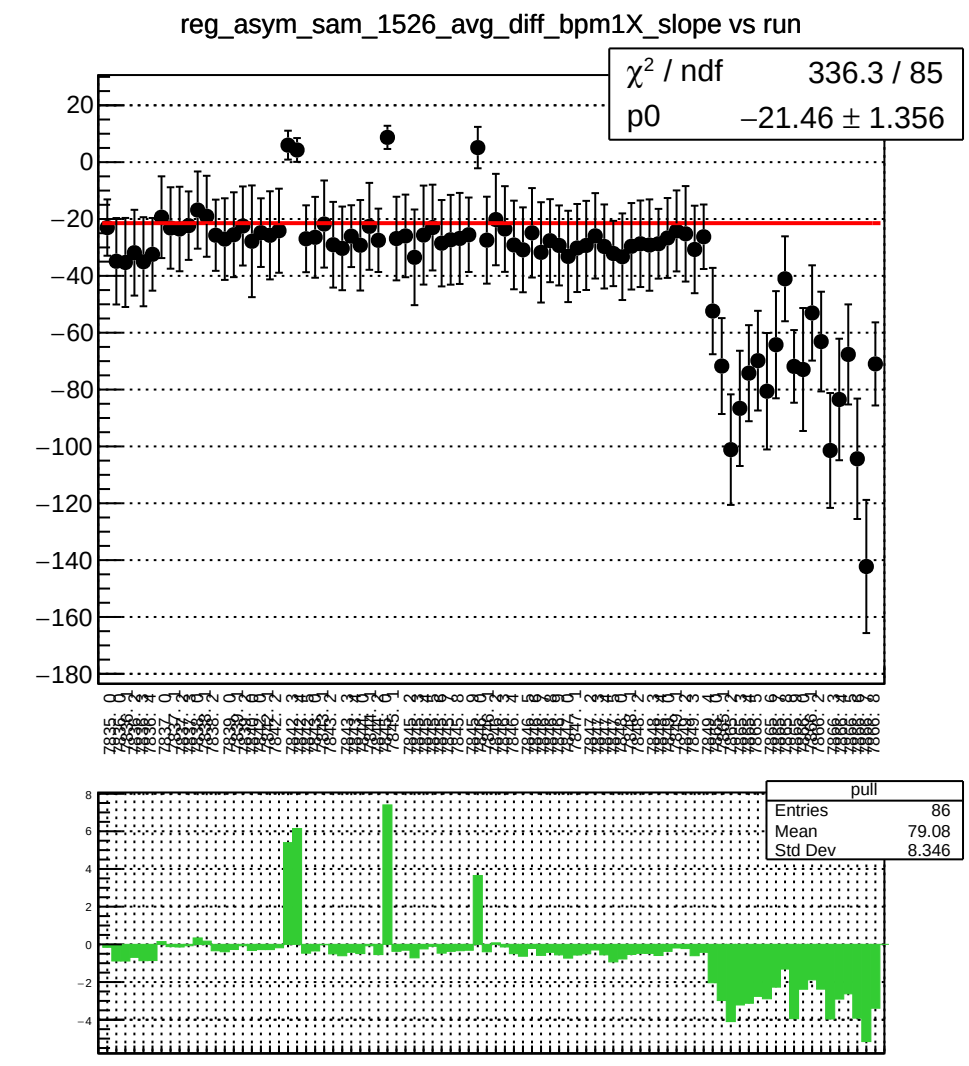

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 166.9 / 85
p0 −41.67 ± 3.448
pull
Entries 86
Mean 74.97
Std Dev 13.68
pull1D
Entries 86
Mean −0.4919
Std Dev 1.303

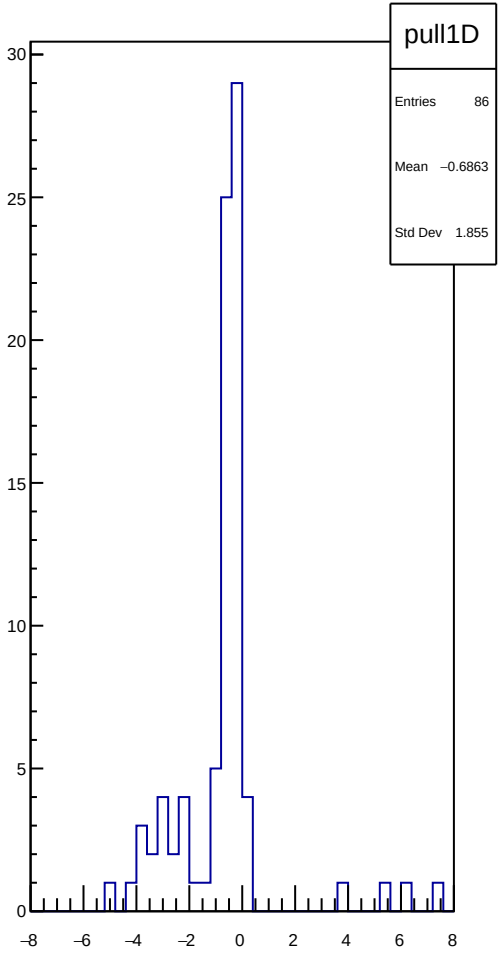

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.51 / 85
p0 32.64 ± 4.053
pull
Entries 86
Mean 99.81
Std Dev 42.19
pull1D
Entries 86
Mean 0.07395
Std Dev 0.4041

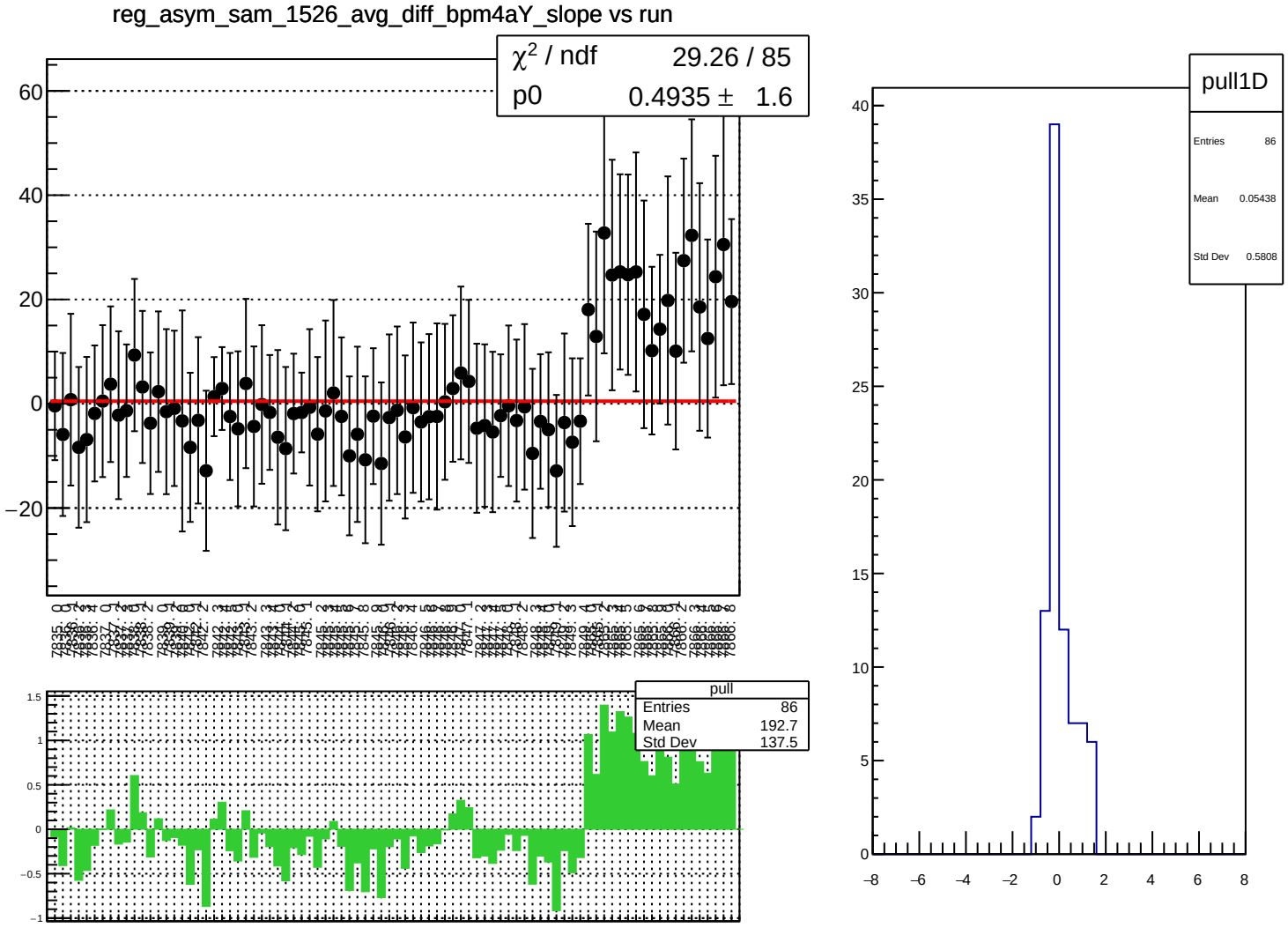

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 174.8 / 85
p0 −64.9 ± 3.02
150
100
50
0
−50
−100
pull
Entries 86
Mean 68.76
Std Dev 21.37
pull1D
Entries 86
Mean 0.5688
Std Dev 1.307
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

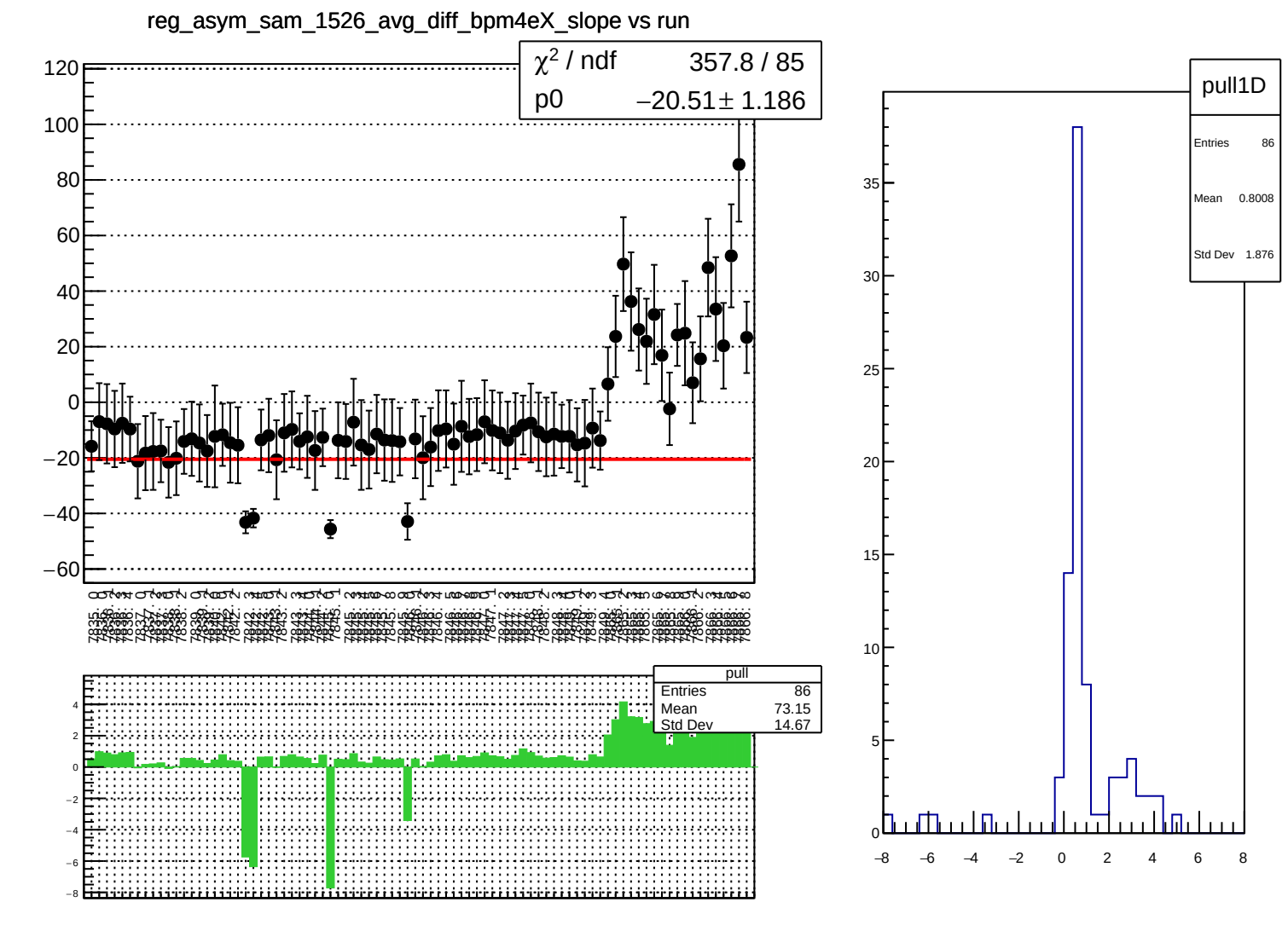

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.84 / 85
p0 22.64 ± 4.665
100
50
0
−50
−100
pull
Entries 86
Mean 121.9
Std Dev 65.06
1.5
1
0.5
0
−0.5
pull1D
Entries 86
Mean −0.05196
Std Dev 0.3674
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

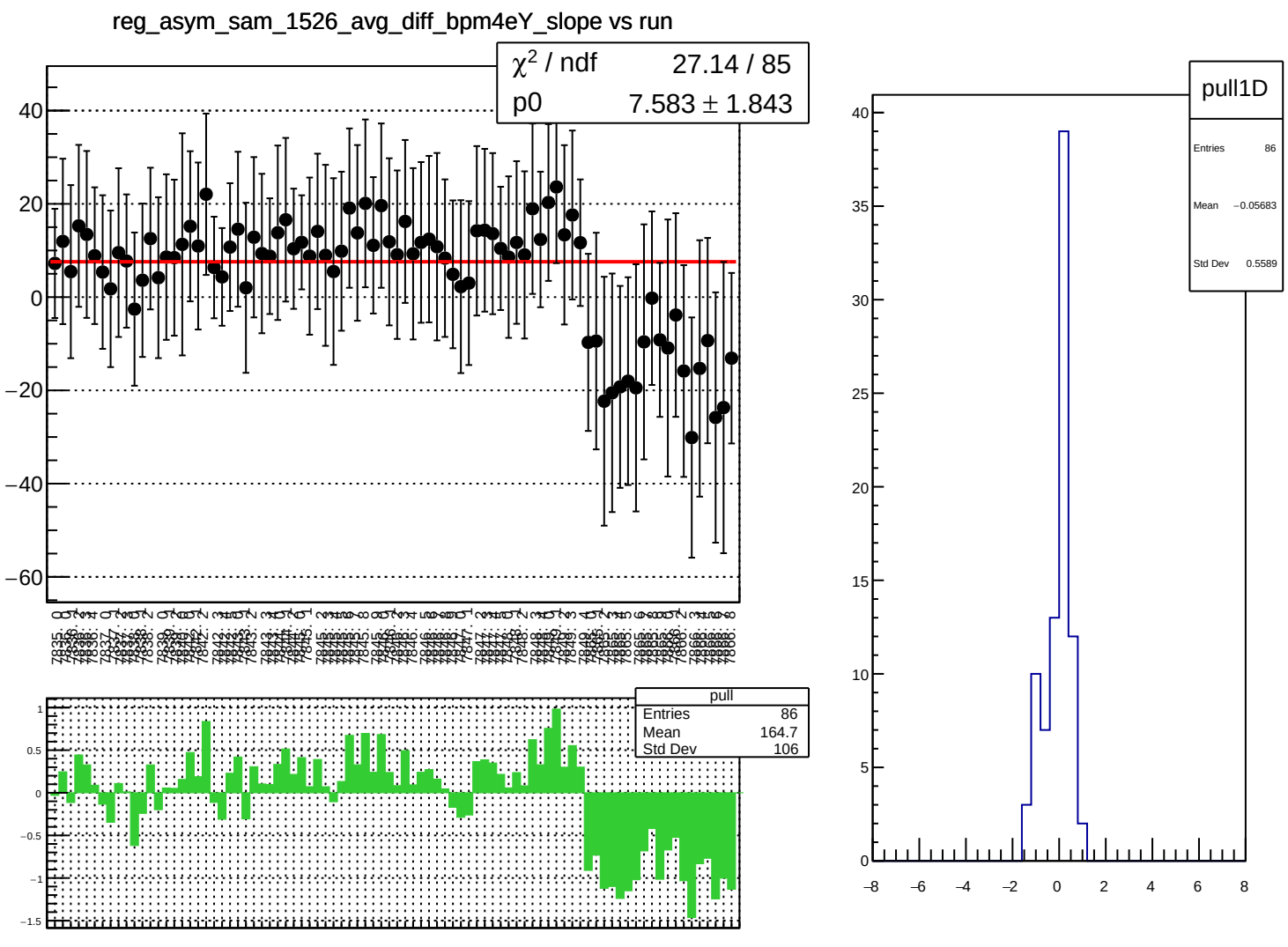

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 54.27 / 85
p0 −1.757 ± 0.1391
pull
Entries 86
Mean 219.6
Std Dev 166.4
pull1D
Entries 86
Mean −0.07677
Std Dev 0.7907

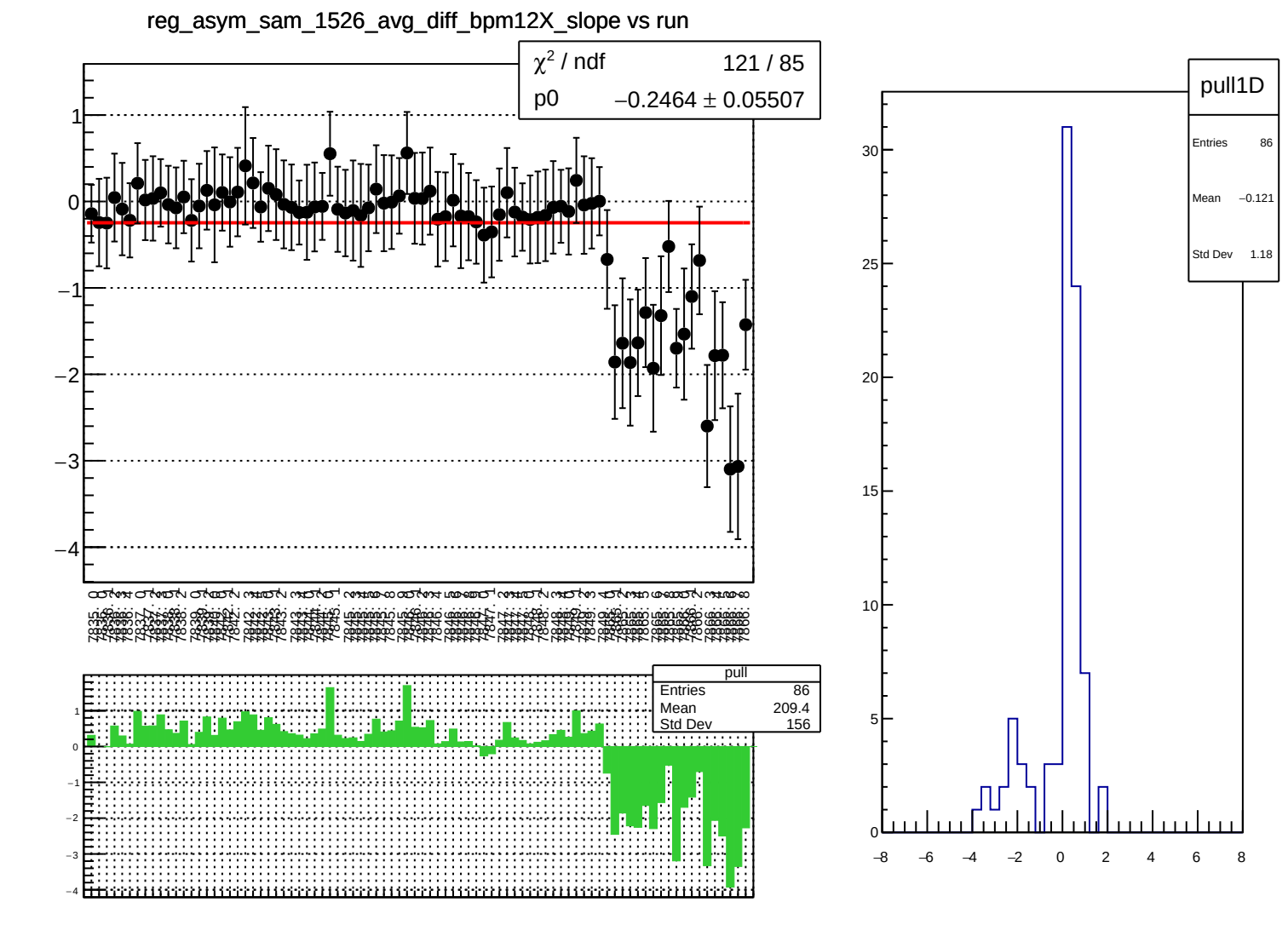

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 336.3 / 85
p0 −21.46 ± 1.356
pull
Entries 86
Mean 79.08
Std Dev 8.346

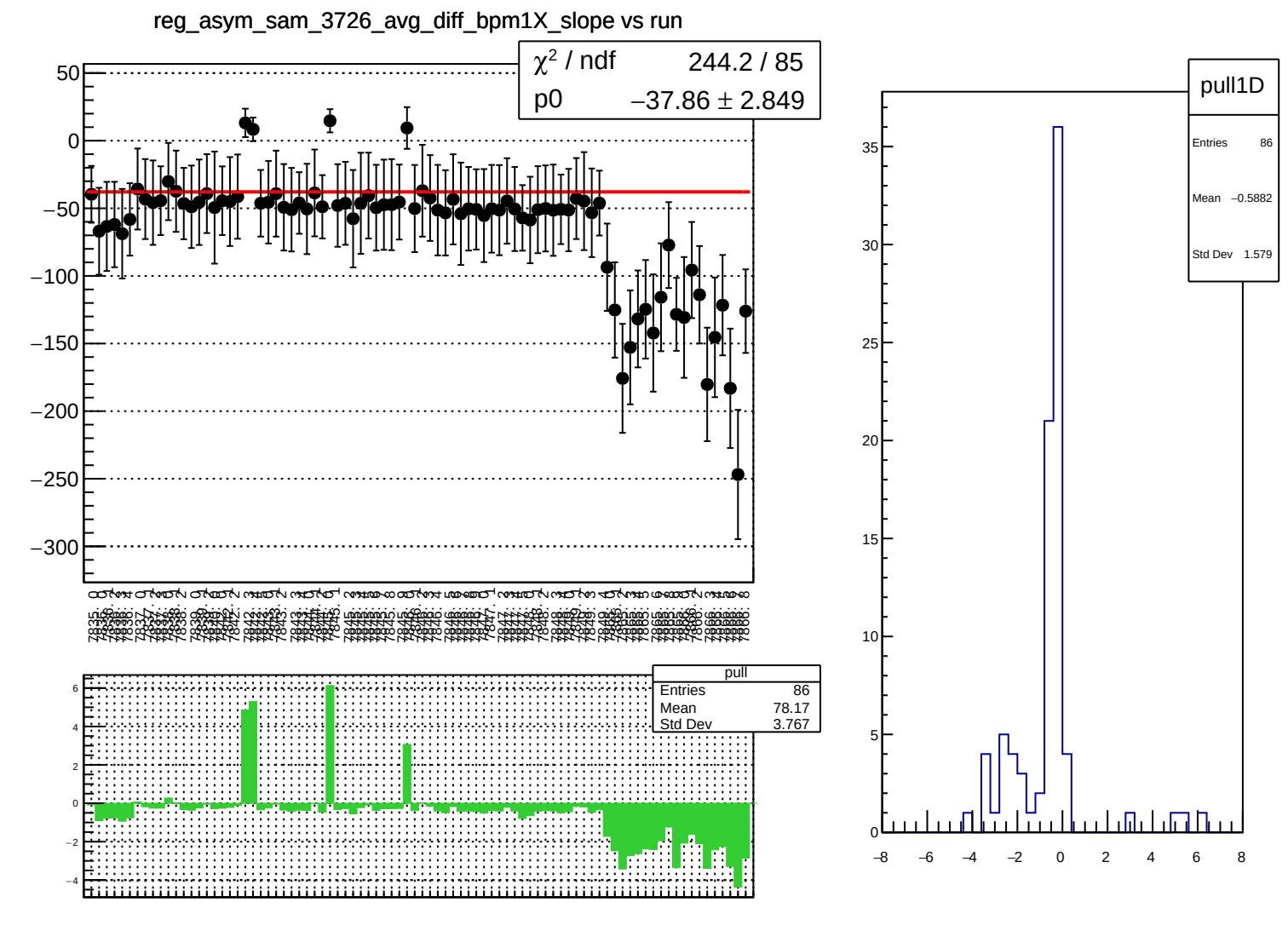

pull1D
Entries 86
Mean −0.6863
Std Dev 1.855

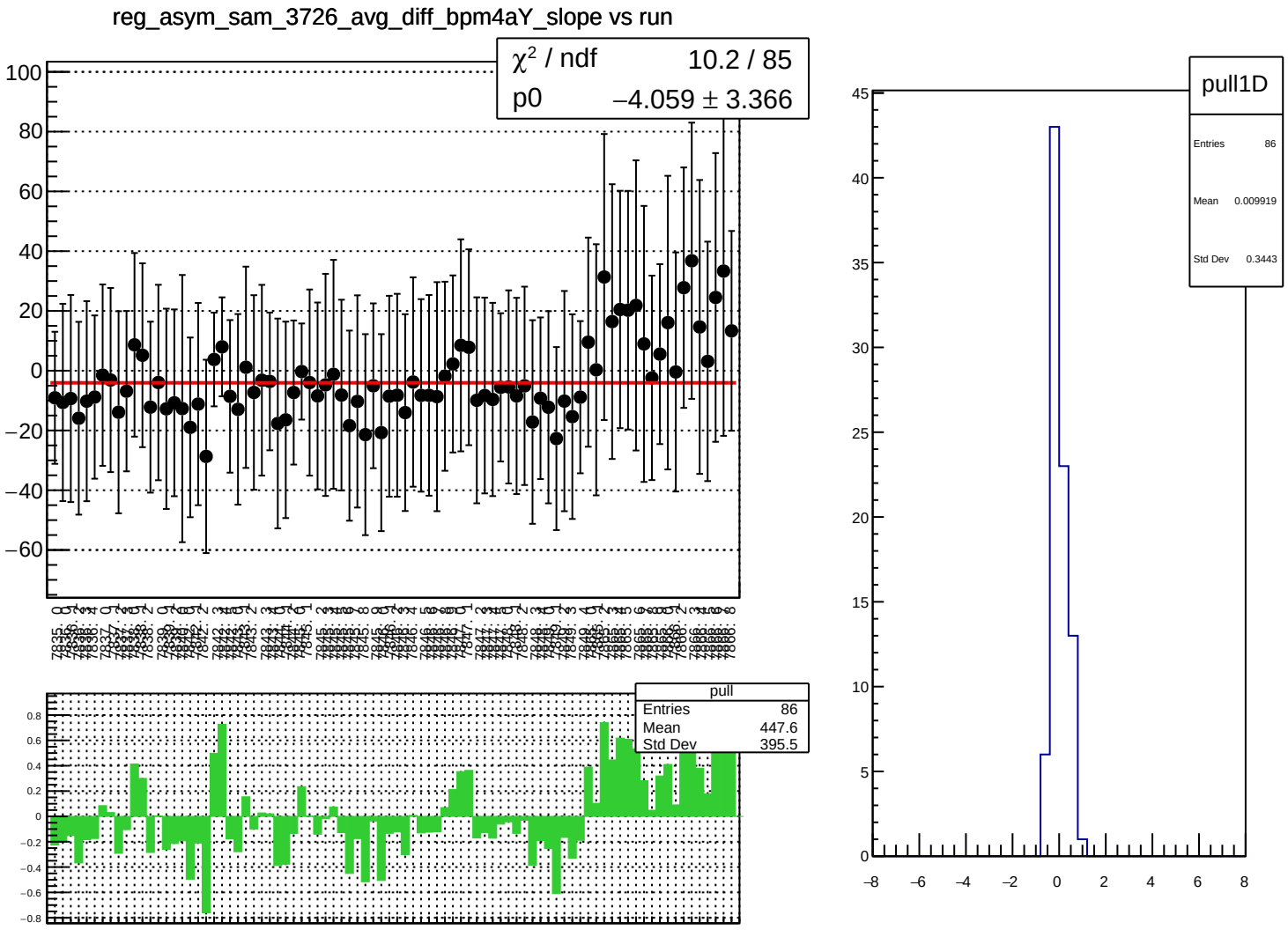

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.26 / 85
p0 0.4935 ± 1.6
pull
Entries 86
Mean 192.7
Std Dev 137.5
pull1D
Entries 86
Mean 0.05438
Std Dev 0.5808

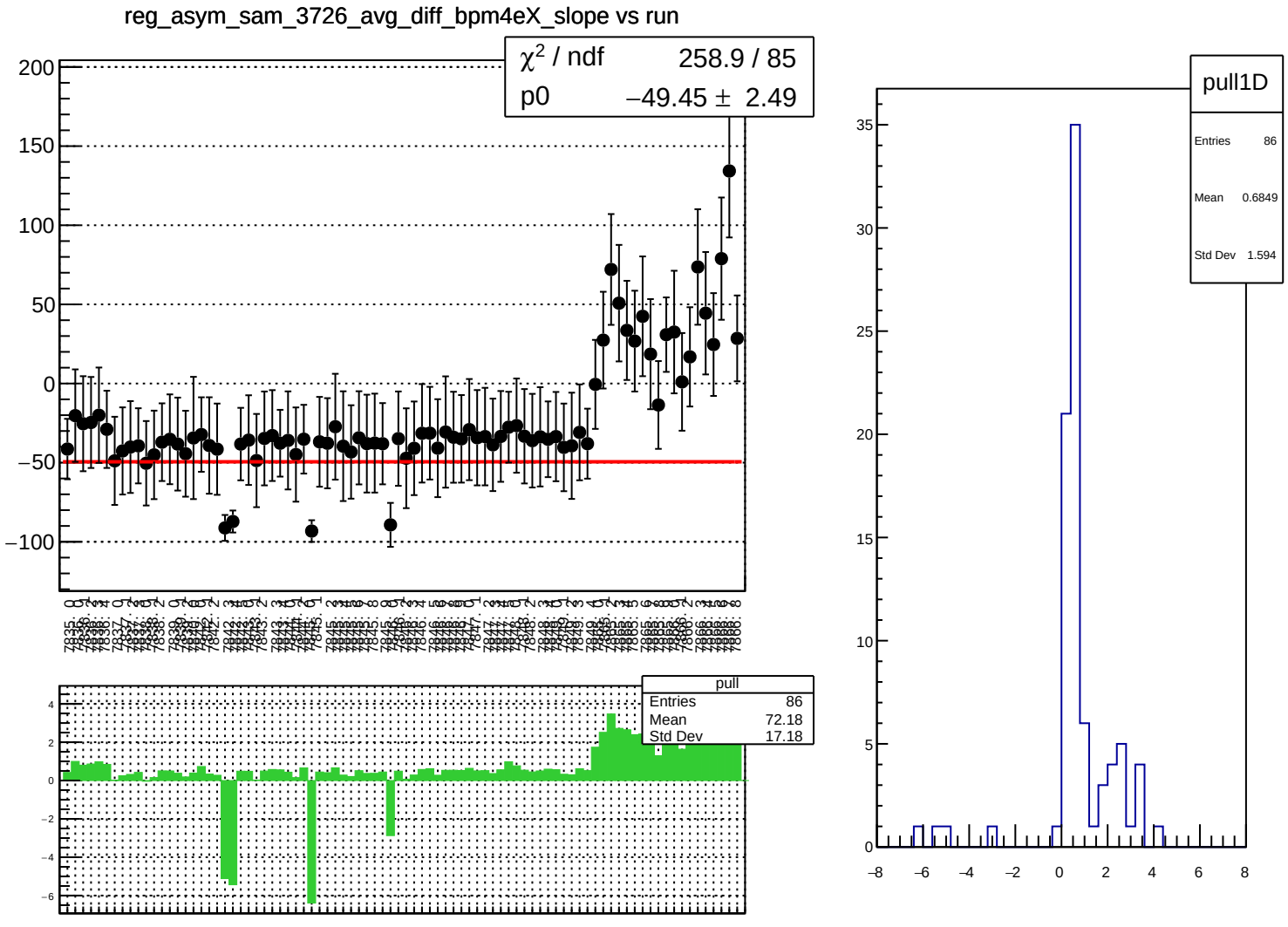

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 357.8 / 85
p0 −20.51± 1.186
pull
Entries 86
Mean 73.15
Std Dev 14.67
pull1D
Entries 86
Mean 0.8008
Std Dev 1.876

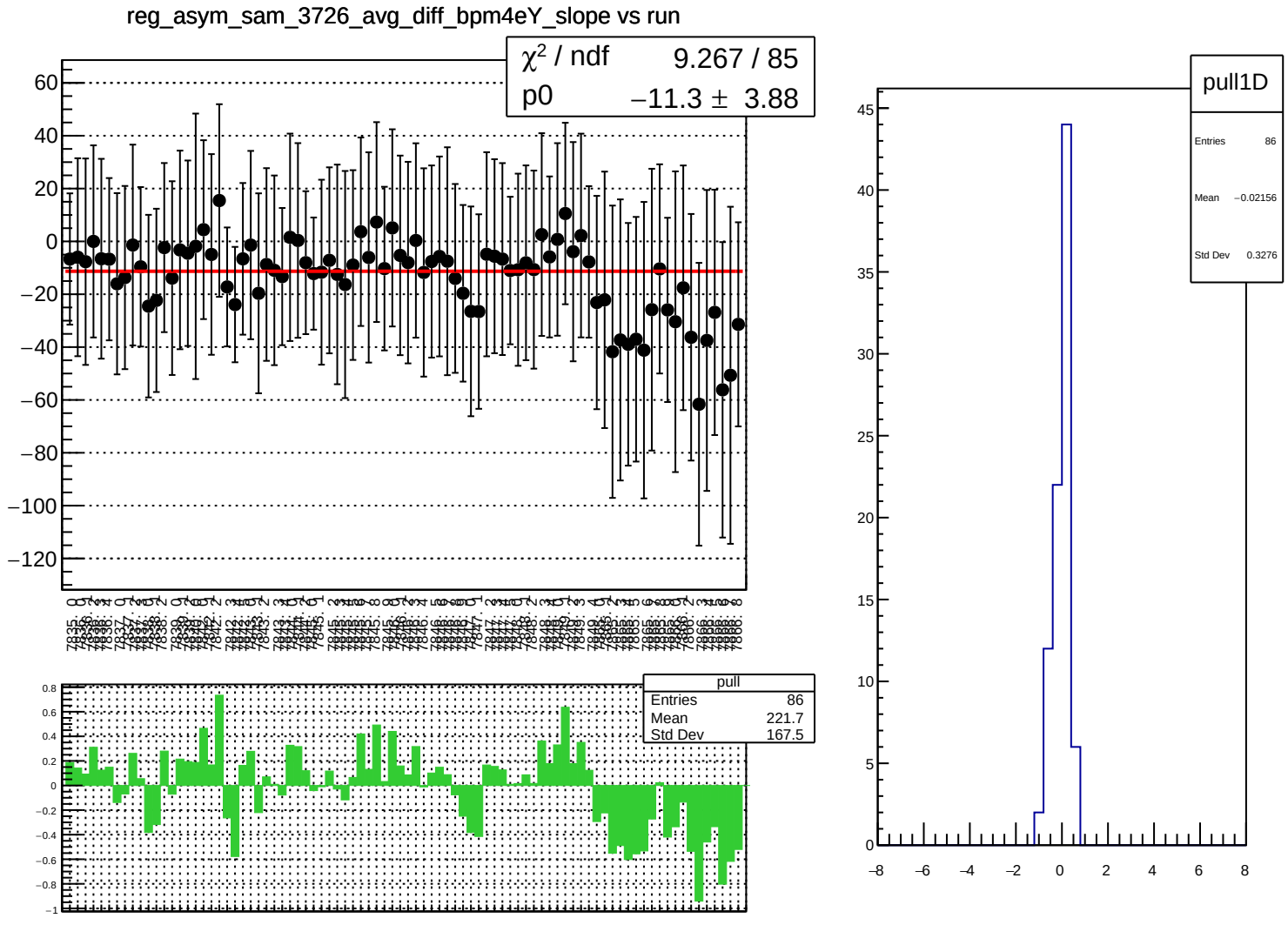

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.14 / 85
p0 7.583 ± 1.843
pull
Entries 86
Mean 164.7
Std Dev 106
pull1D
Entries 86
Mean −0.05683
Std Dev 0.5589

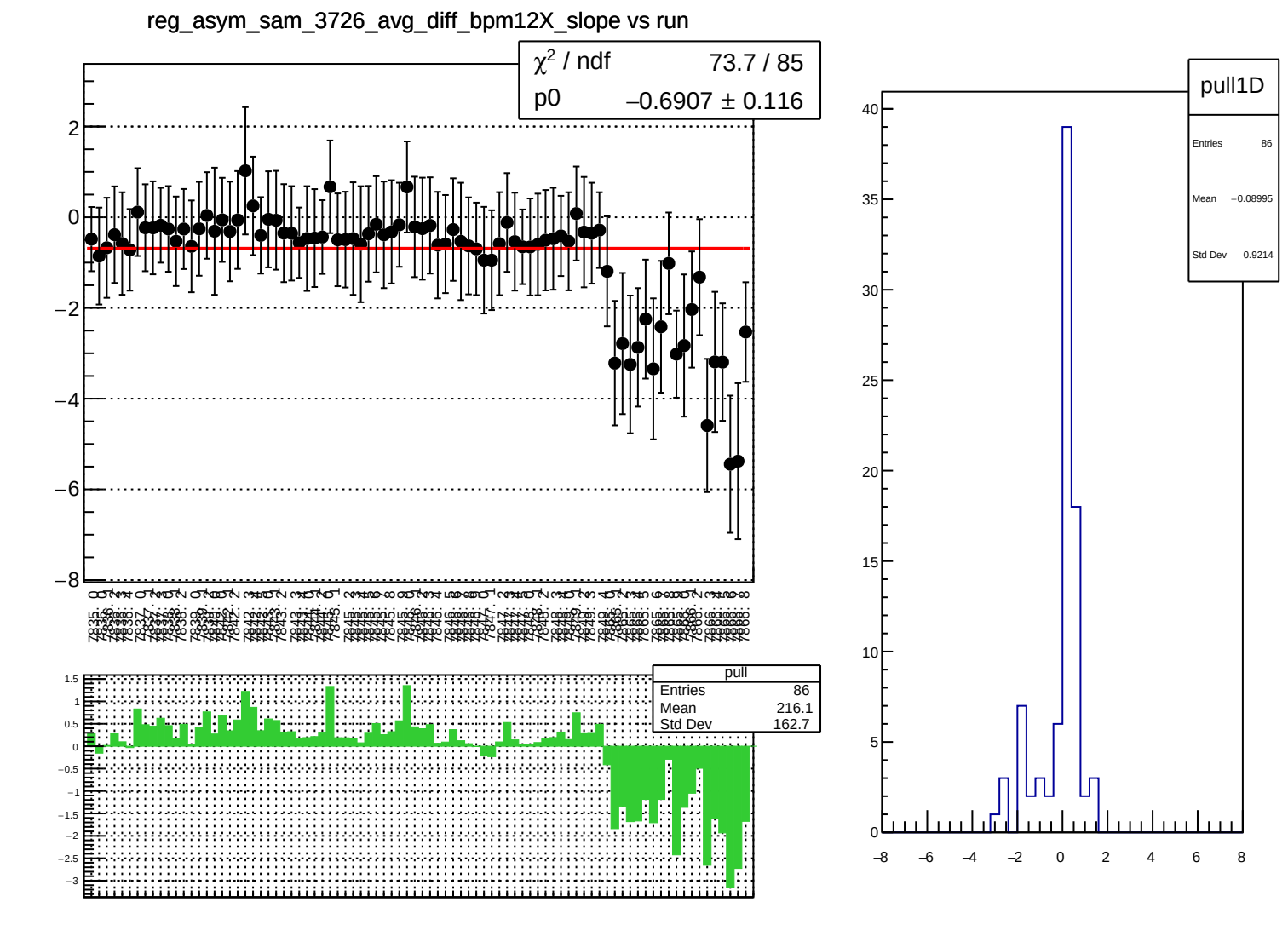

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 121 / 85
p0 −0.2464 ± 0.05507
pull
Entries 86
Mean 209.4
Std Dev 156
pull1D
Entries 86
Mean −0.121
Std Dev 1.18

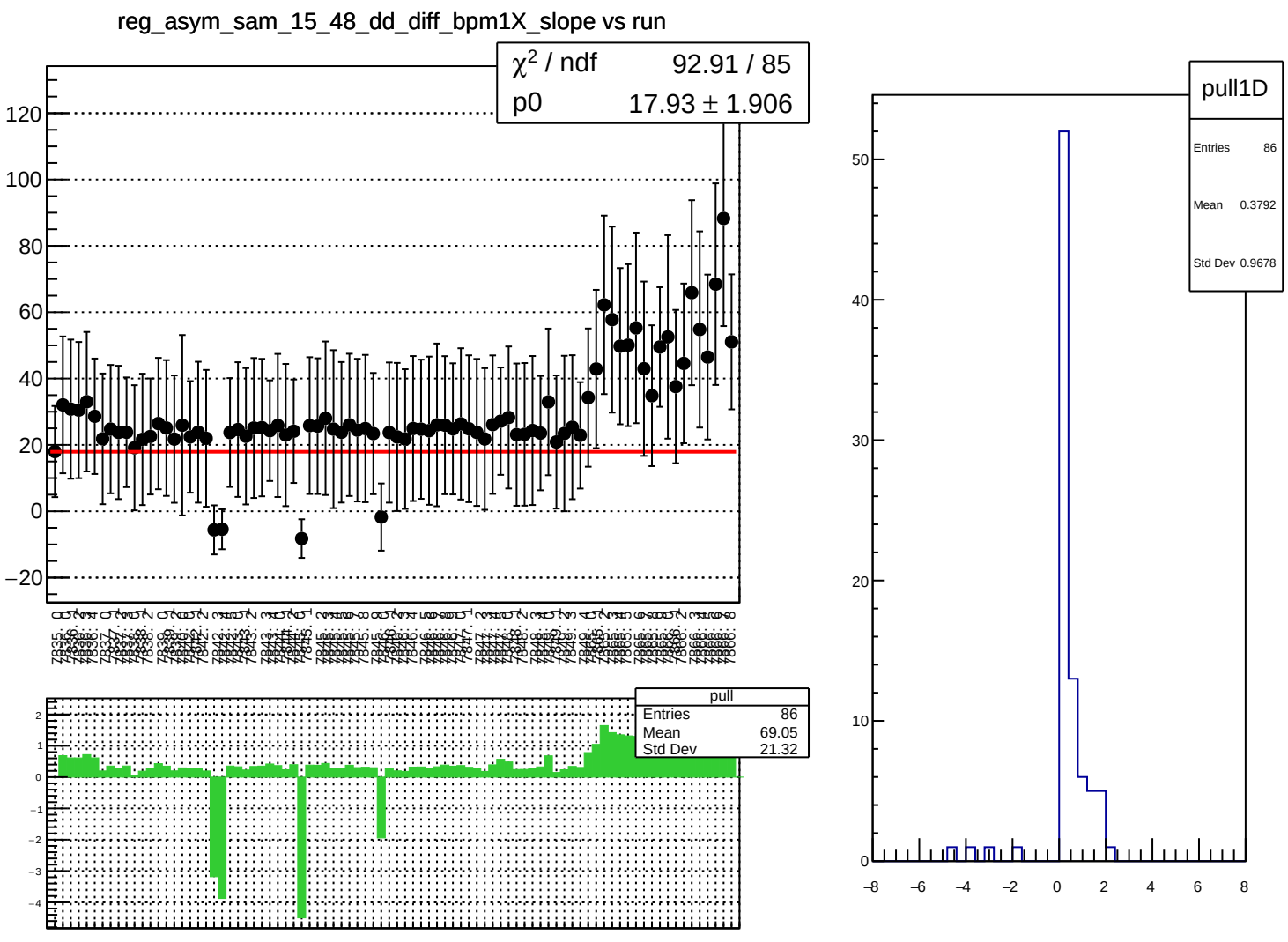

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 244.2 / 85
p0 −37.86 ± 2.849
pull
Entries 86
Mean 78.17
Std Dev 3.767
pull1D
Entries 86
Mean −0.5882
Std Dev 1.579

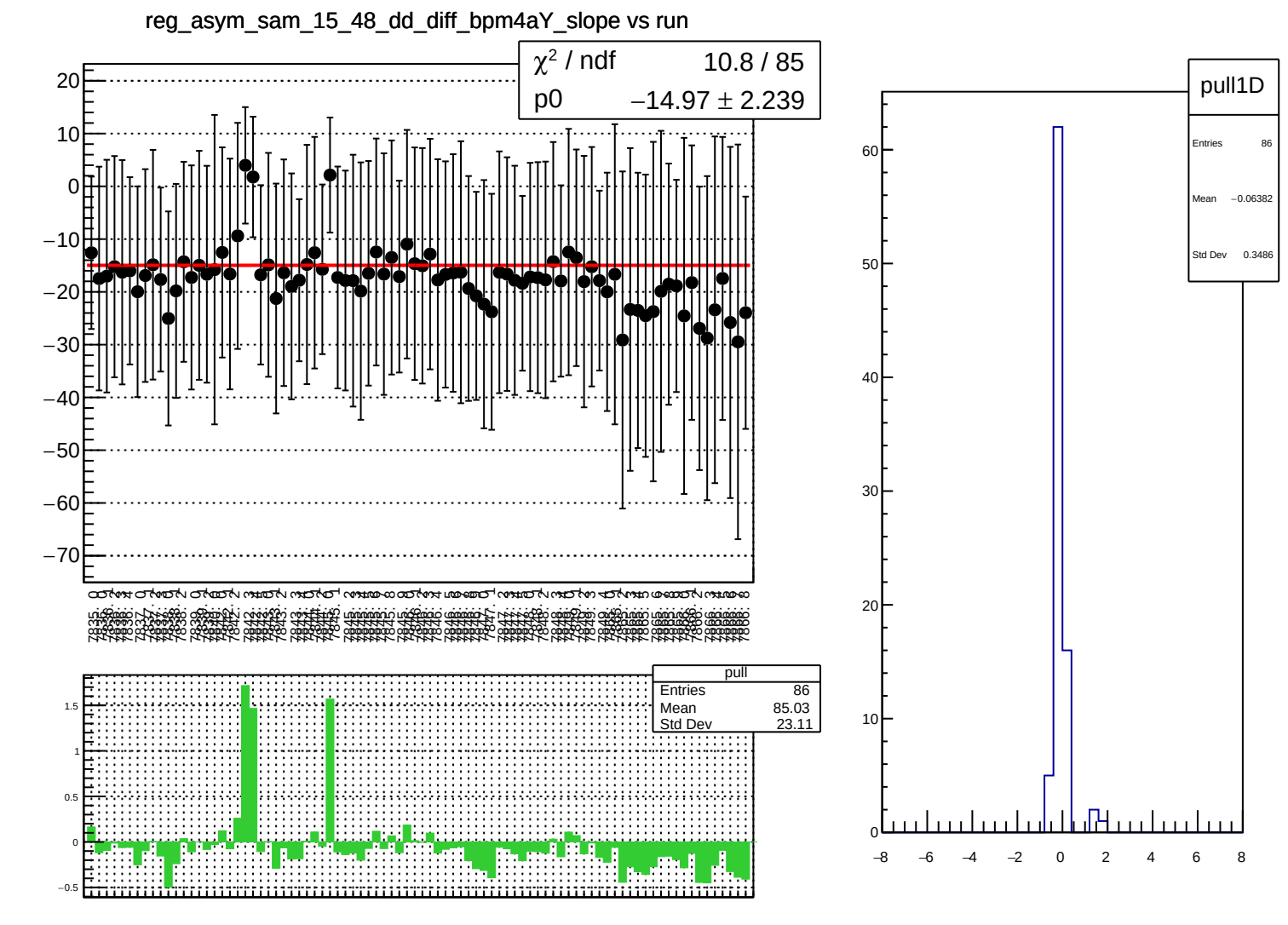

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.2 / 85
p0 −4.059 ± 3.366
pull
Entries 86
Mean 447.6
Std Dev 395.5
pull1D
Entries 86
Mean 0.009919
Std Dev 0.3443

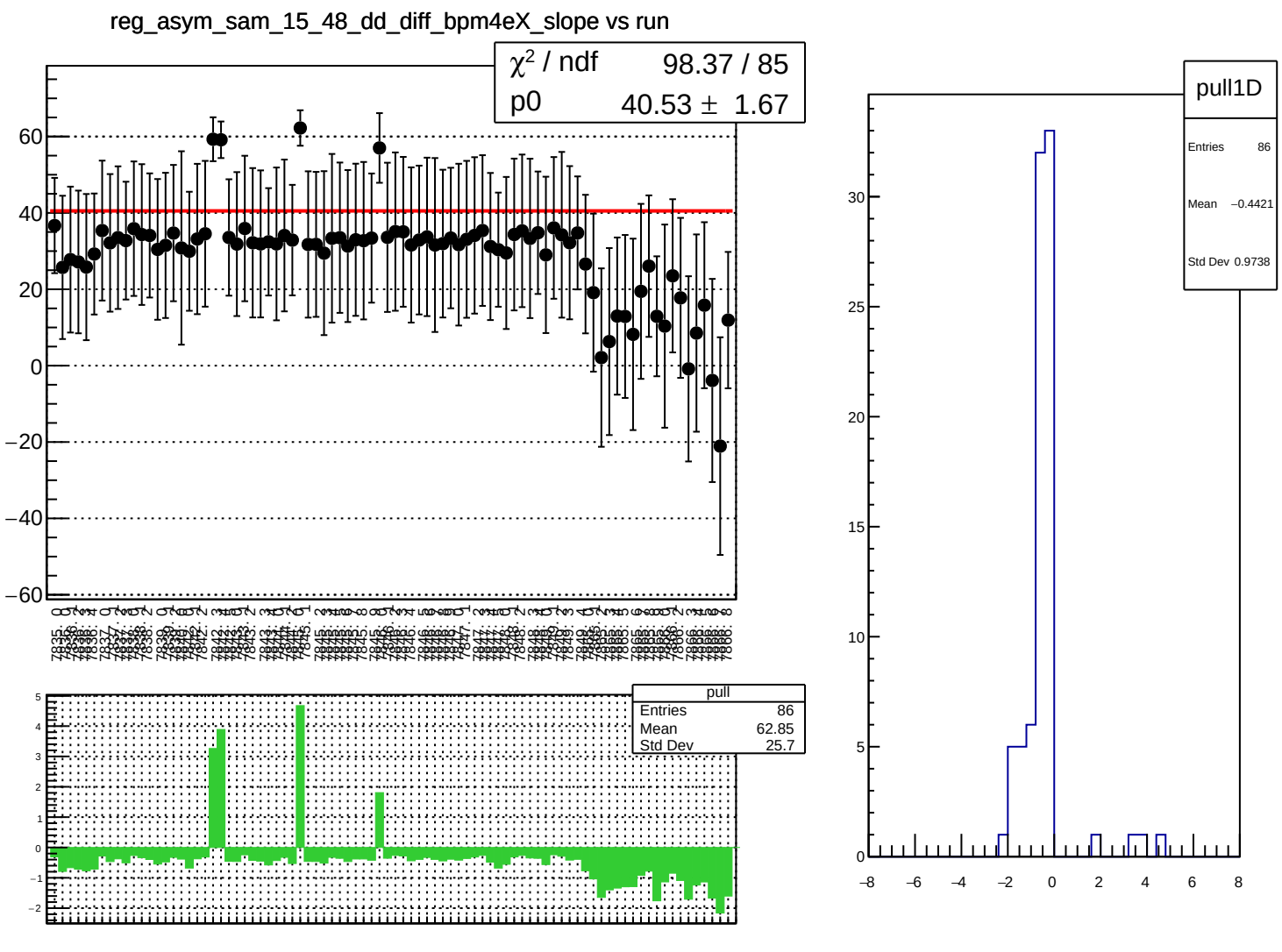

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 258.9 / 85
p0 −49.45 ± 2.49
pull
Entries 86
Mean 72.18
Std Dev 17.18
pull1D
Entries 86
Mean 0.6849
Std Dev 1.594

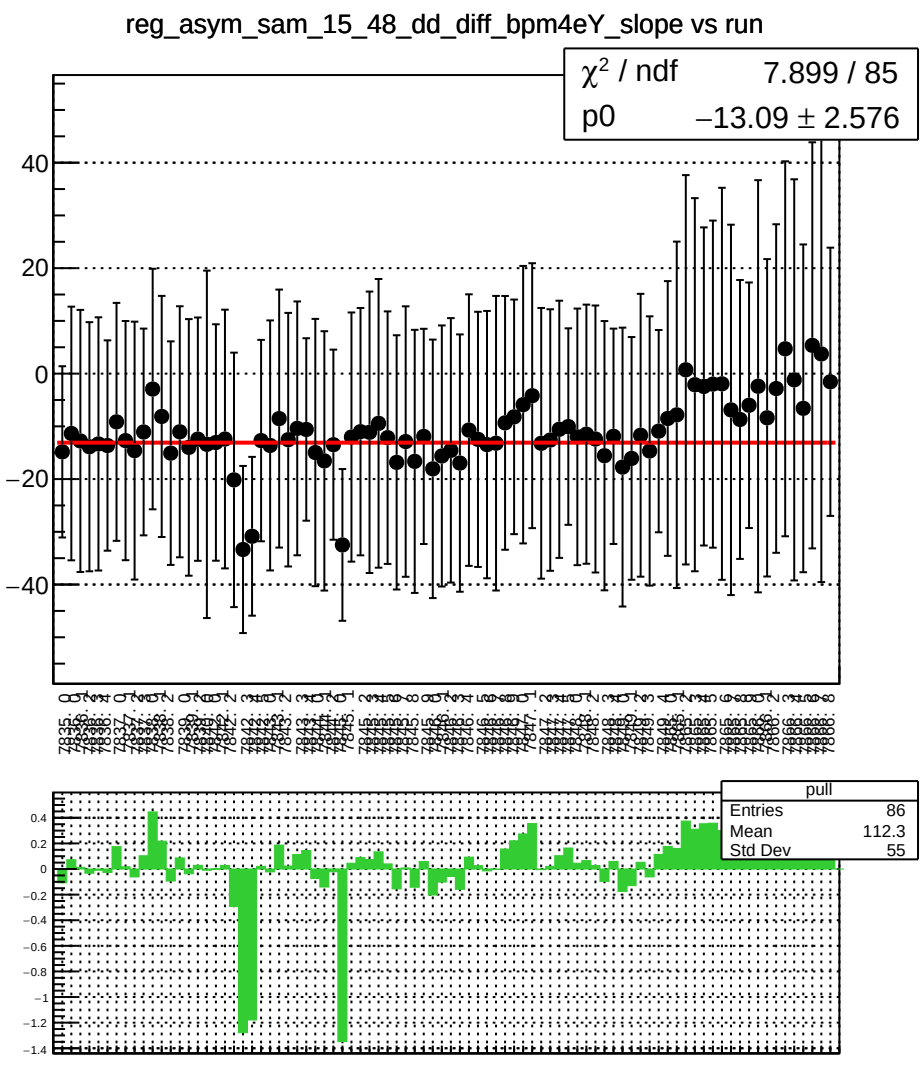

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.267 / 85
p0 −11.3 ± 3.88
pull
Entries 86
Mean 221.7
Std Dev 167.5
pull1D
Entries 86
Mean −0.02156
Std Dev 0.3276

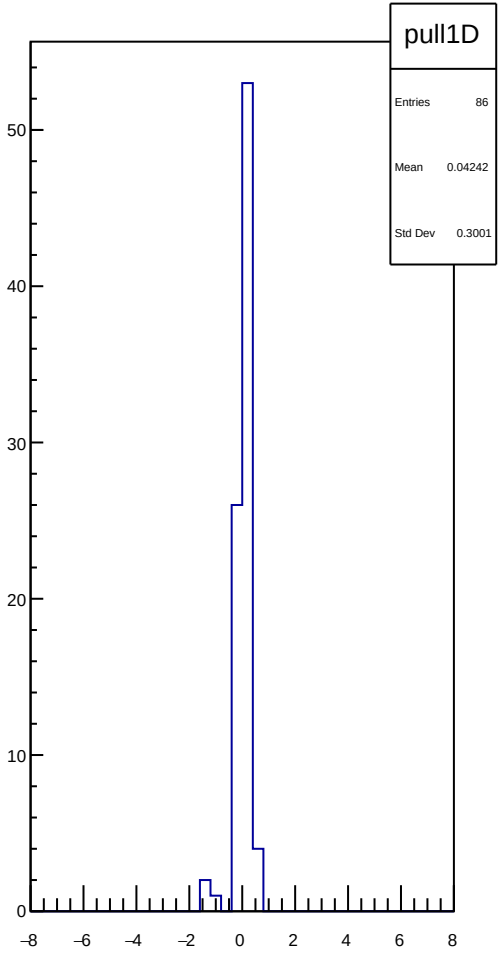

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 73.7 / 85
p0 −0.6907 ± 0.116
pull
Entries 86
Mean 216.1
Std Dev 162.7
pull1D
Entries 86
Mean −0.08995
Std Dev 0.9214

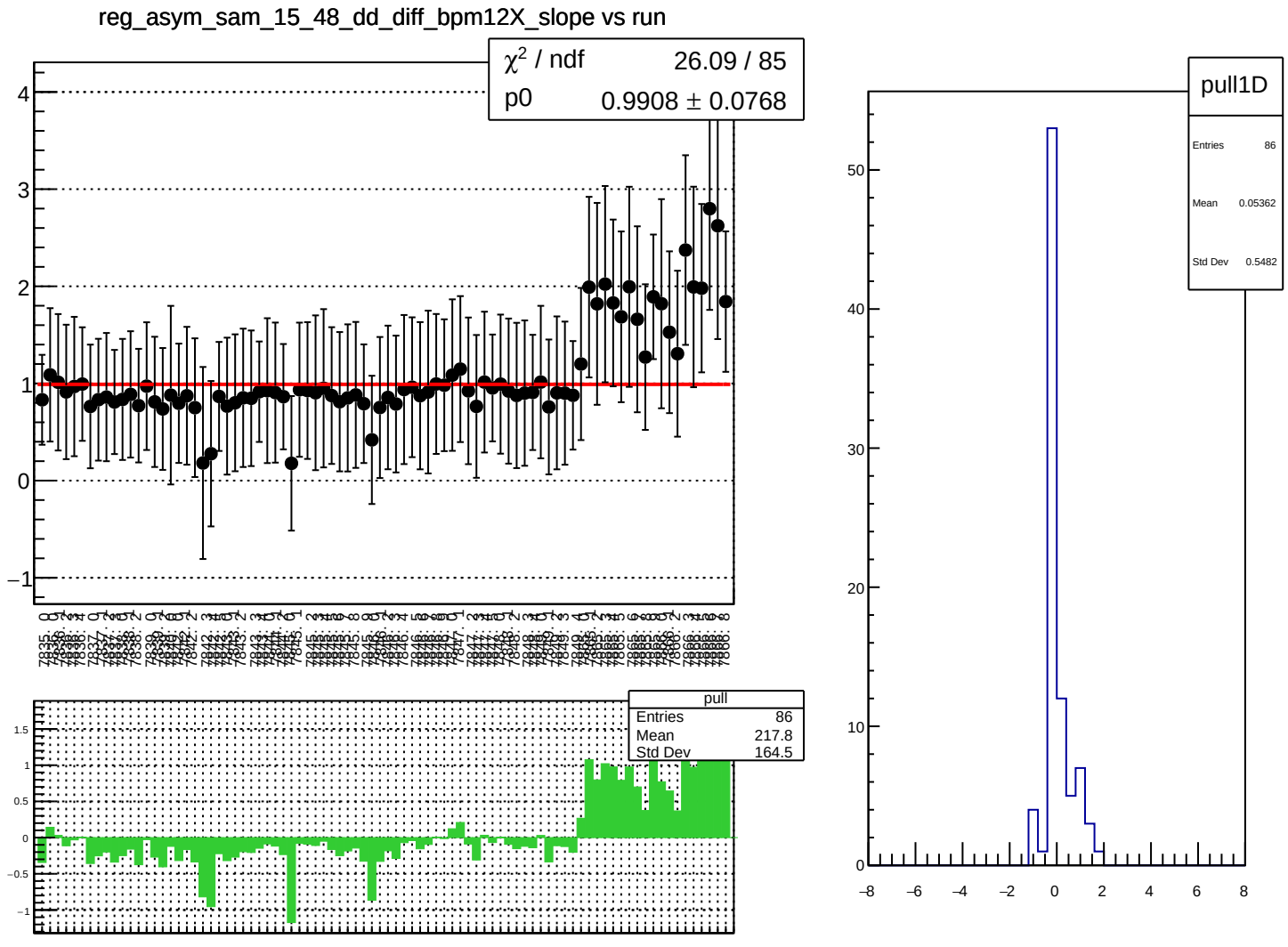

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 92.91 / 85
p0 17.93 ± 1.906
120
100
80
60
40
20
0
−20
pull
Entries 86
Mean 69.05
Std Dev 21.32
2
1
0
−1
−2
−3
−4
pull1D
Entries 86
Mean 0.3792
Std Dev 0.9678
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

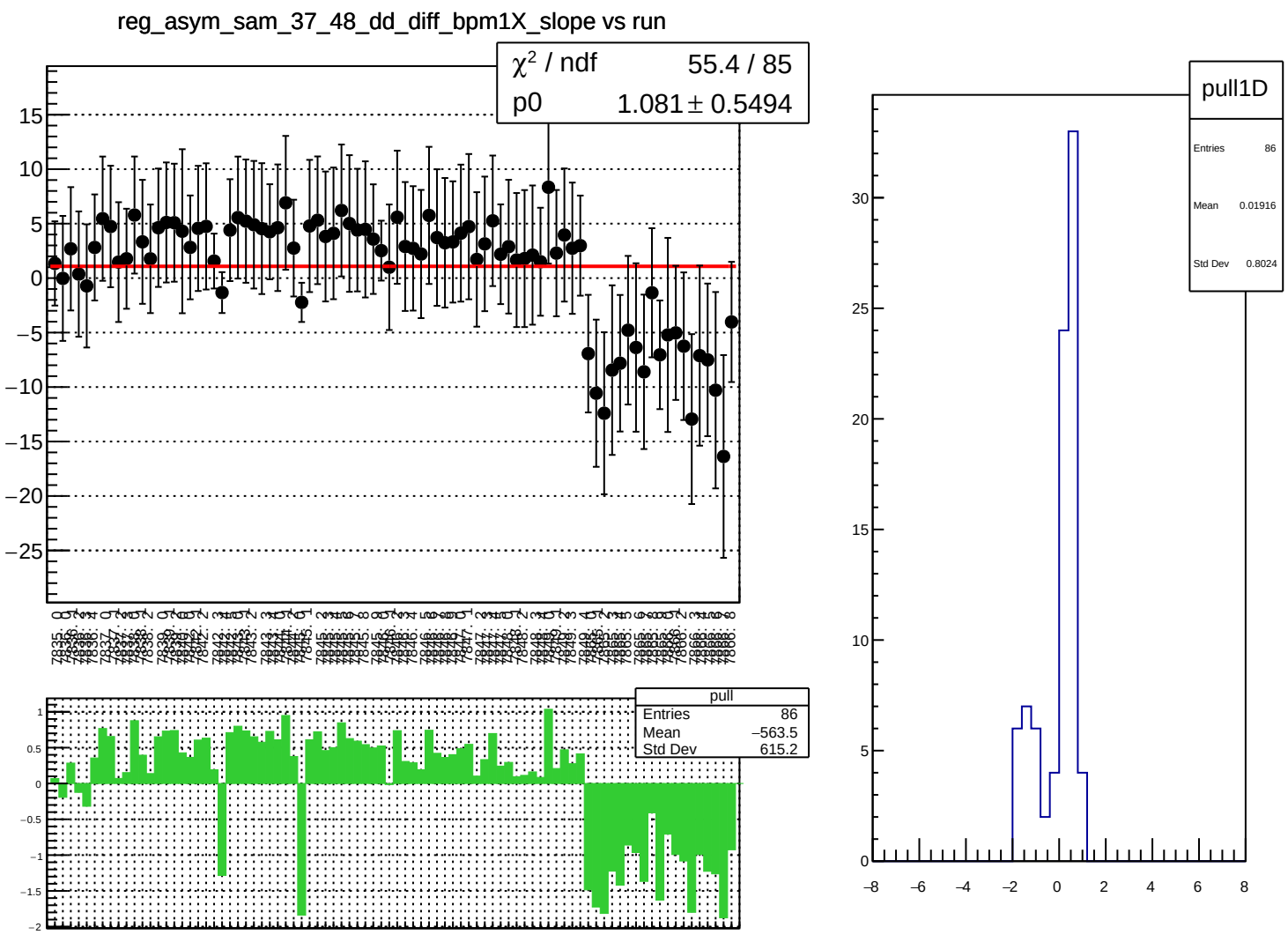

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.8 / 85
p0 −14.97 ± 2.239
pull
Entries 86
Mean 85.03
Std Dev 23.11
pull1D
Entries 86
Mean −0.06382
Std Dev 0.3486

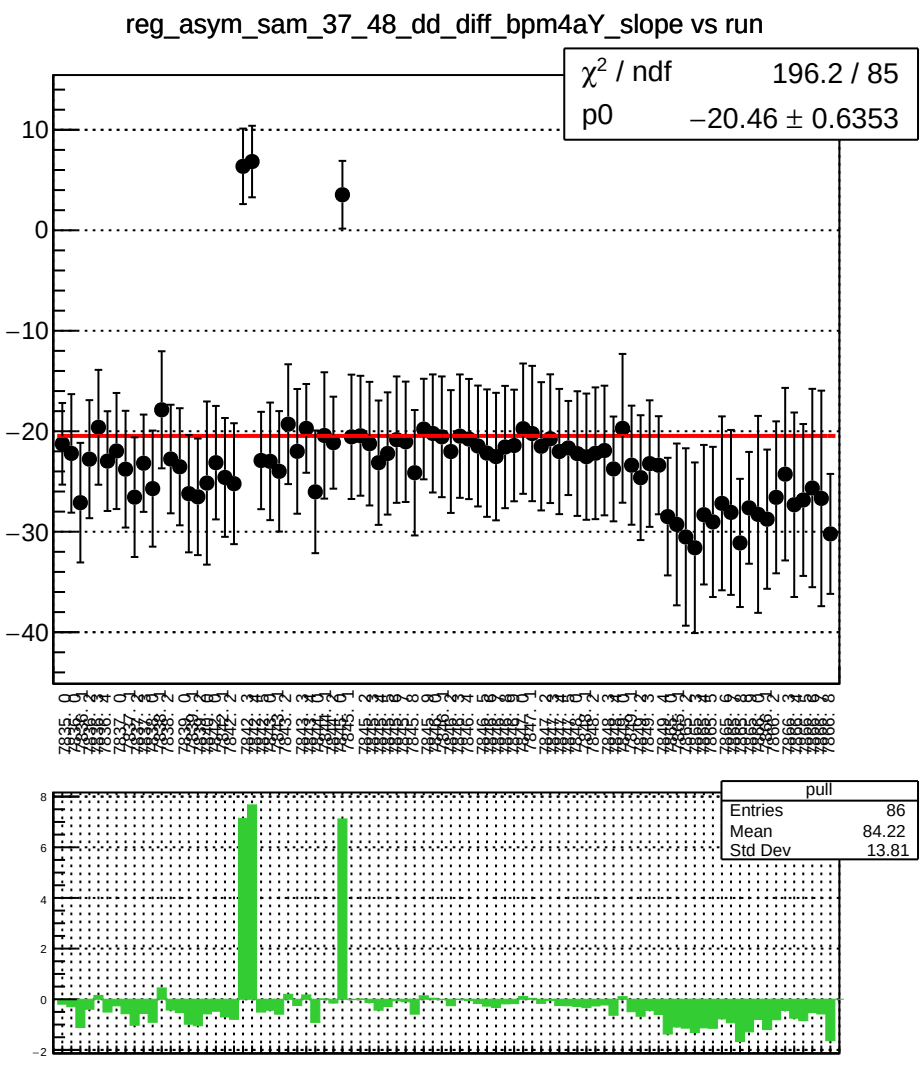

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 98.37 / 85
p0 40.53 ± 1.67
pull
Entries 86
Mean 62.85
Std Dev 25.7
pull1D
Entries 86
Mean −0.4421
Std Dev 0.9738

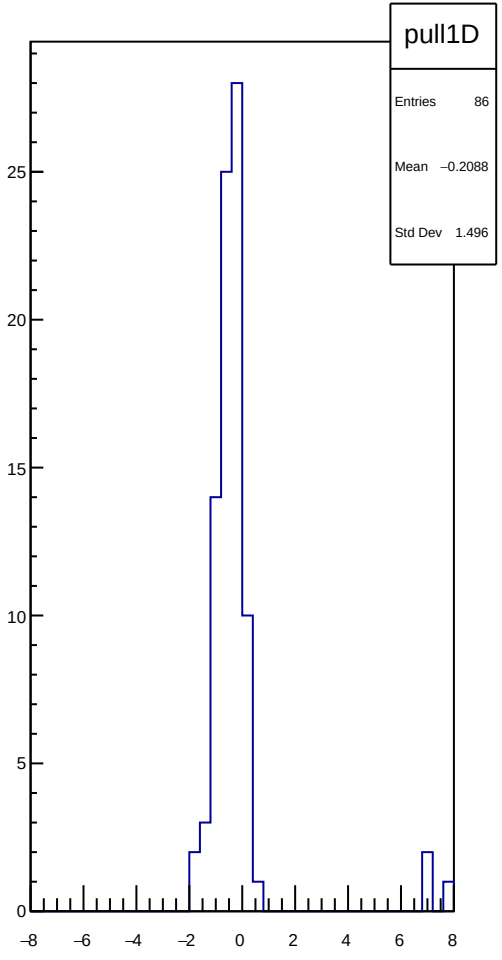

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.899 / 85
p0 −13.09 ± 2.576
pull
Entries 86
Mean 112.3
Std Dev 55

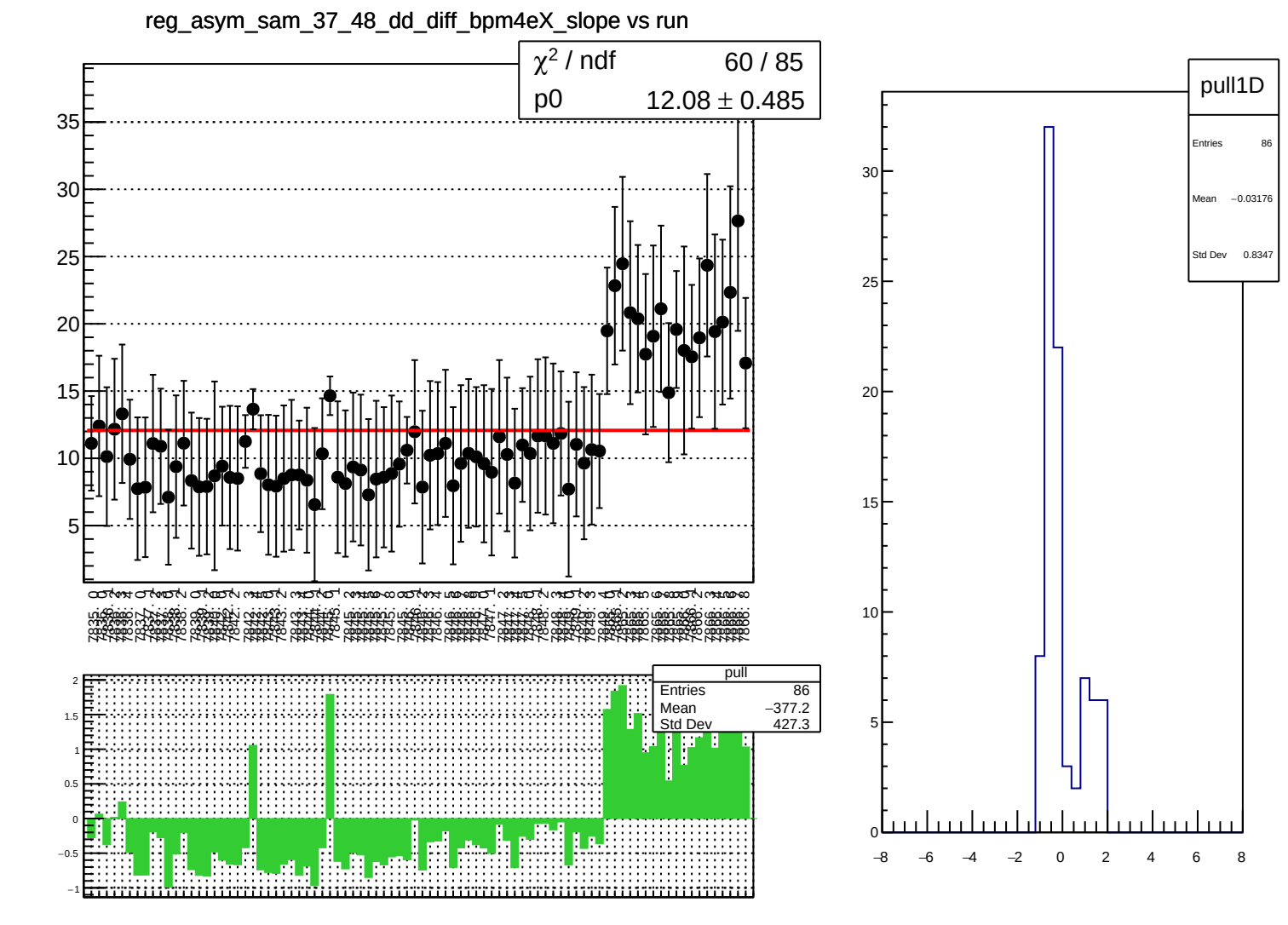

pull1D
Entries 86
Mean 0.04242
Std Dev 0.3001

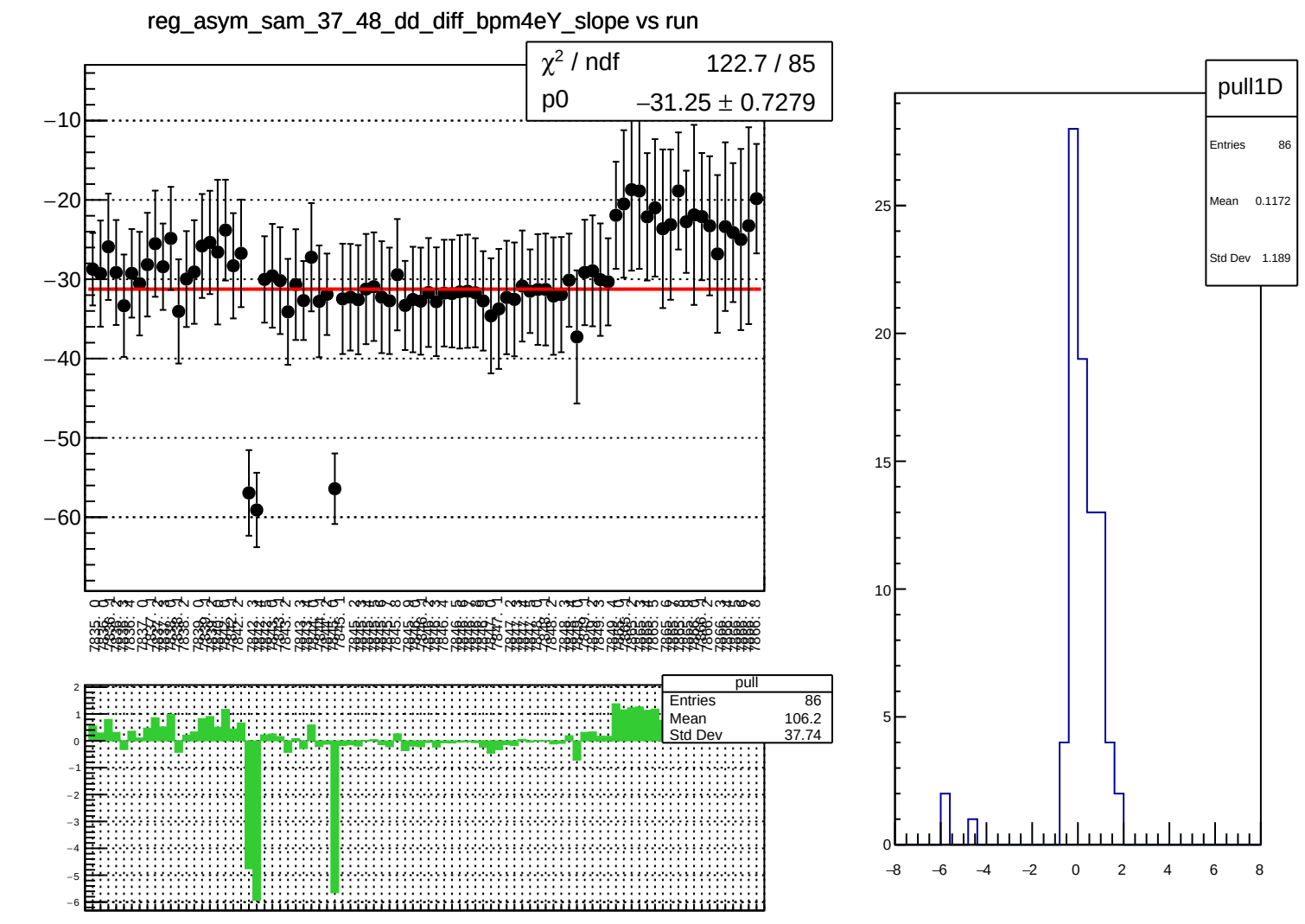

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 26.09 / 85
p0 0.9908 ± 0.0768
pull
Entries 86
Mean 217.8
Std Dev 164.5
pull1D
Entries 86
Mean 0.05362
Std Dev 0.5482

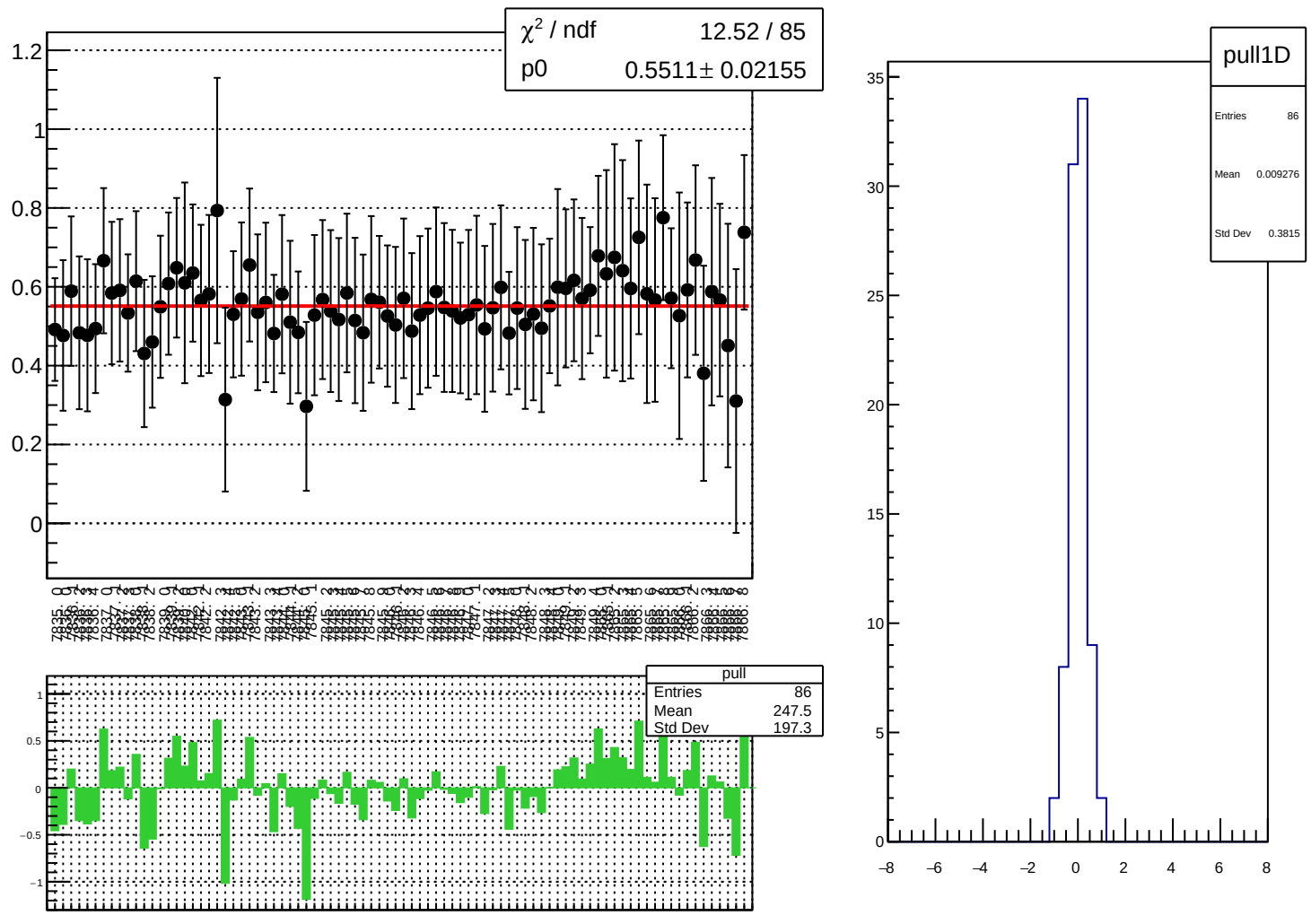

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 55.4 / 85
p0 1.081 ± 0.5494
pull
Entries 86
Mean −563.5
Std Dev 615.2
pull1D
Entries 86
Mean 0.01916
Std Dev 0.8024

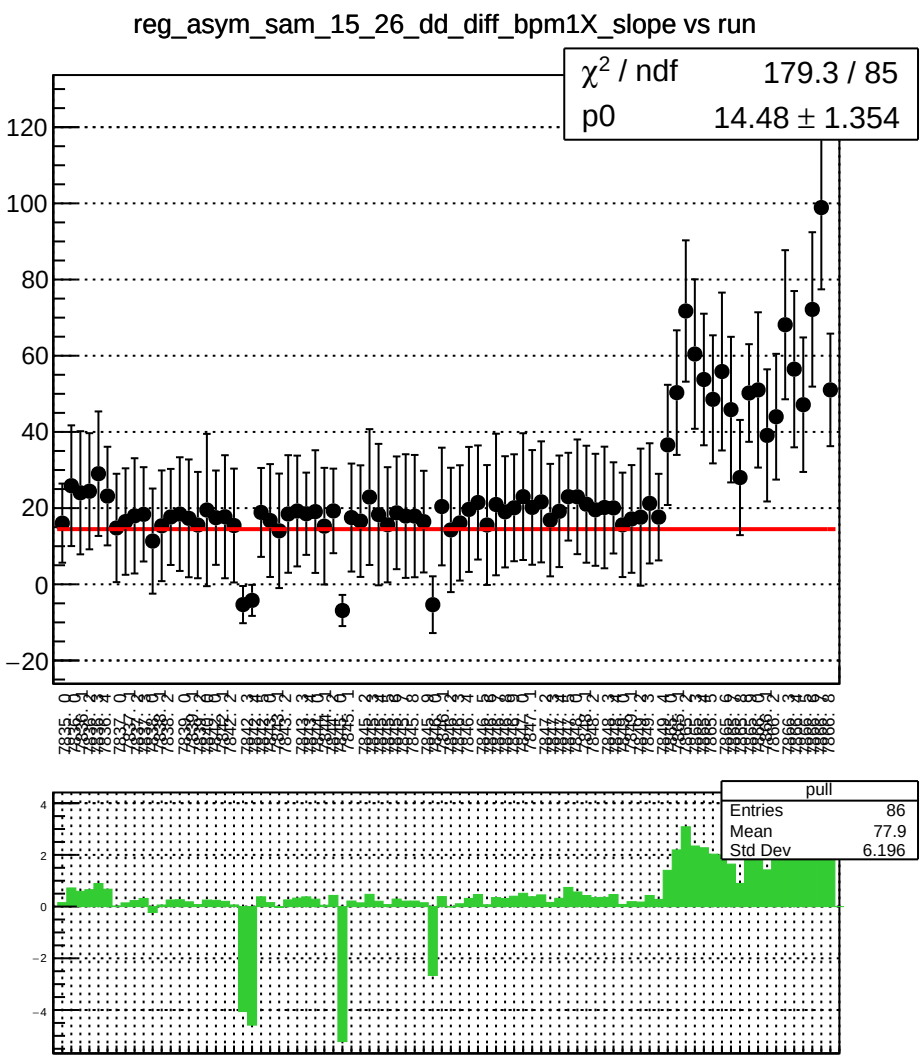

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 196.2 / 85
p0 −20.46 ± 0.6353
pull
Entries 86
Mean 84.22
Std Dev 13.81

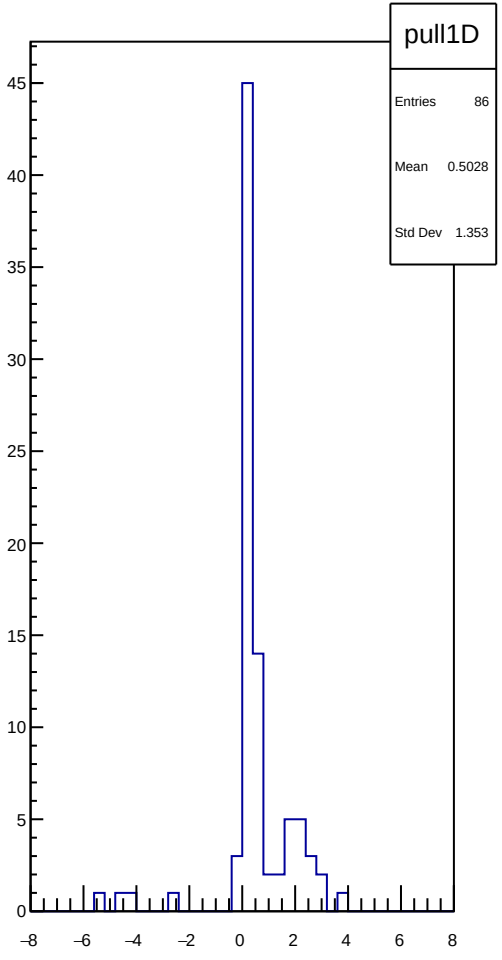

pull1D
Entries 86
Mean −0.2088
Std Dev 1.496

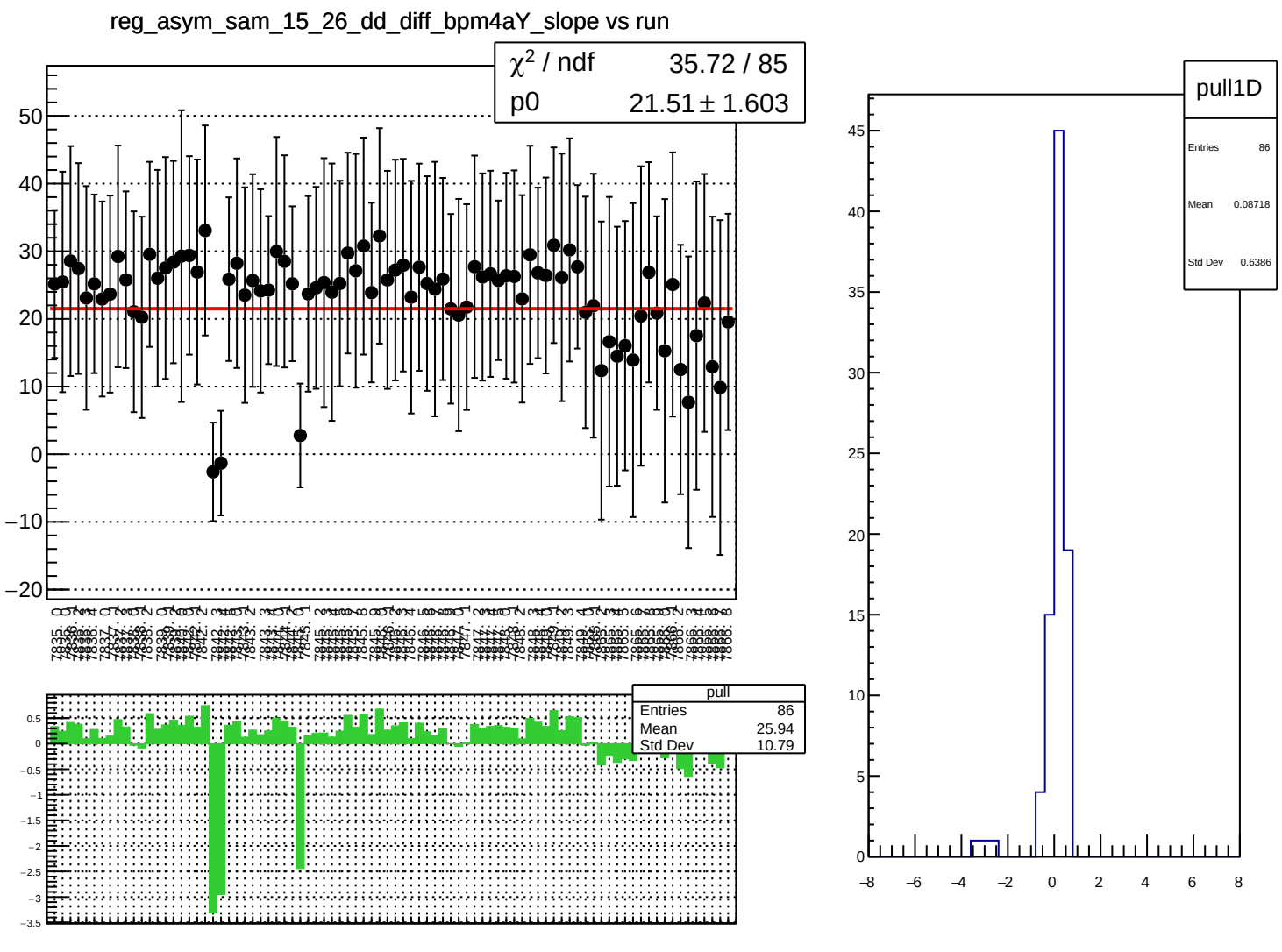

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 60 / 85
p0 12.08 ± 0.485
pull
Entries 86
Mean −377.2
Std Dev 427.3
pull1D
Entries 86
Mean −0.03176
Std Dev 0.8347

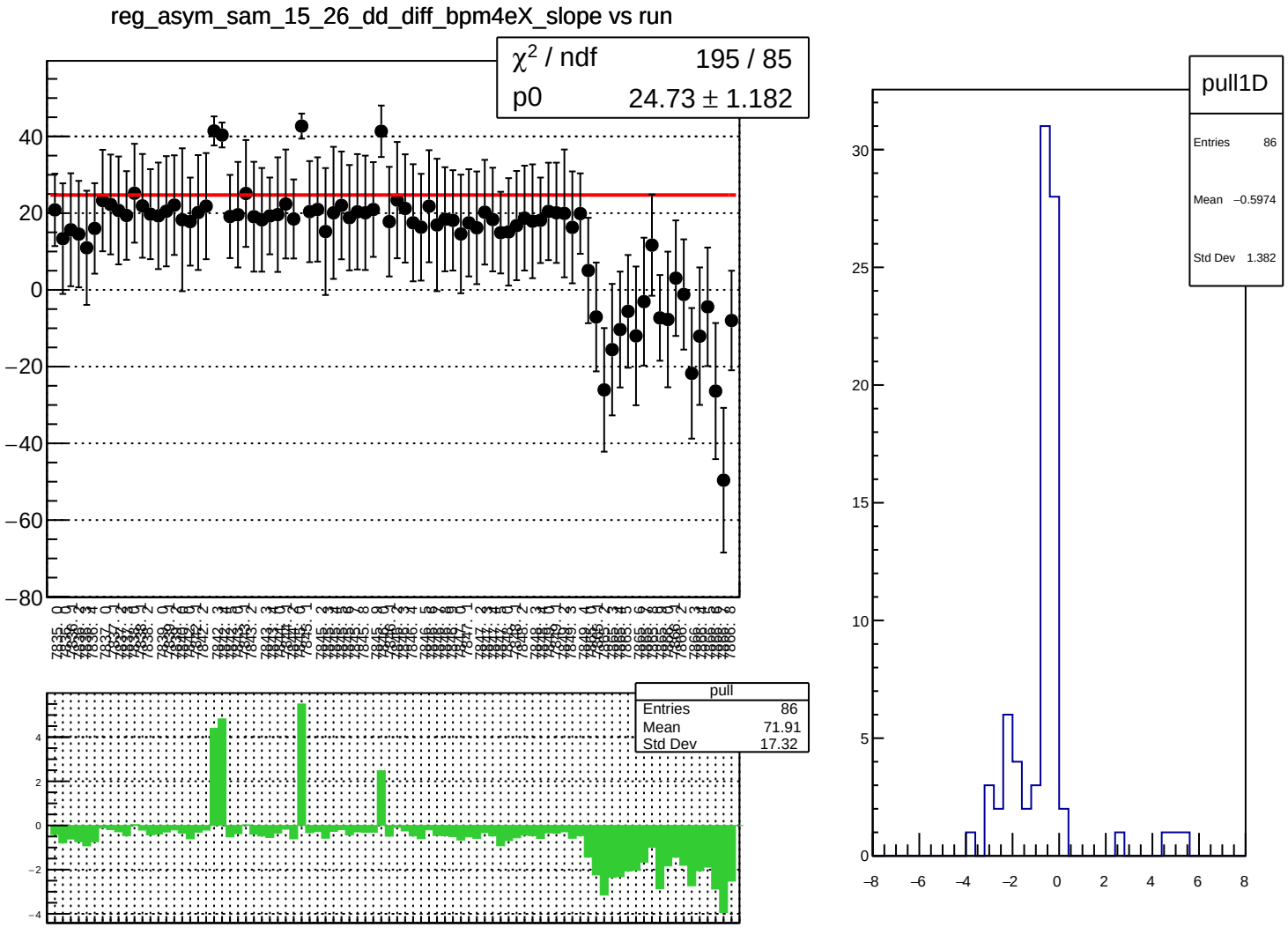

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 122.7 / 85
p0 −31.25 ± 0.7279
−10
−20
−30
−40
−50
−60
pull
Entries 86
Mean 106.2
Std Dev 37.74
pull1D
Entries 86
Mean 0.1172
Std Dev 1.189
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

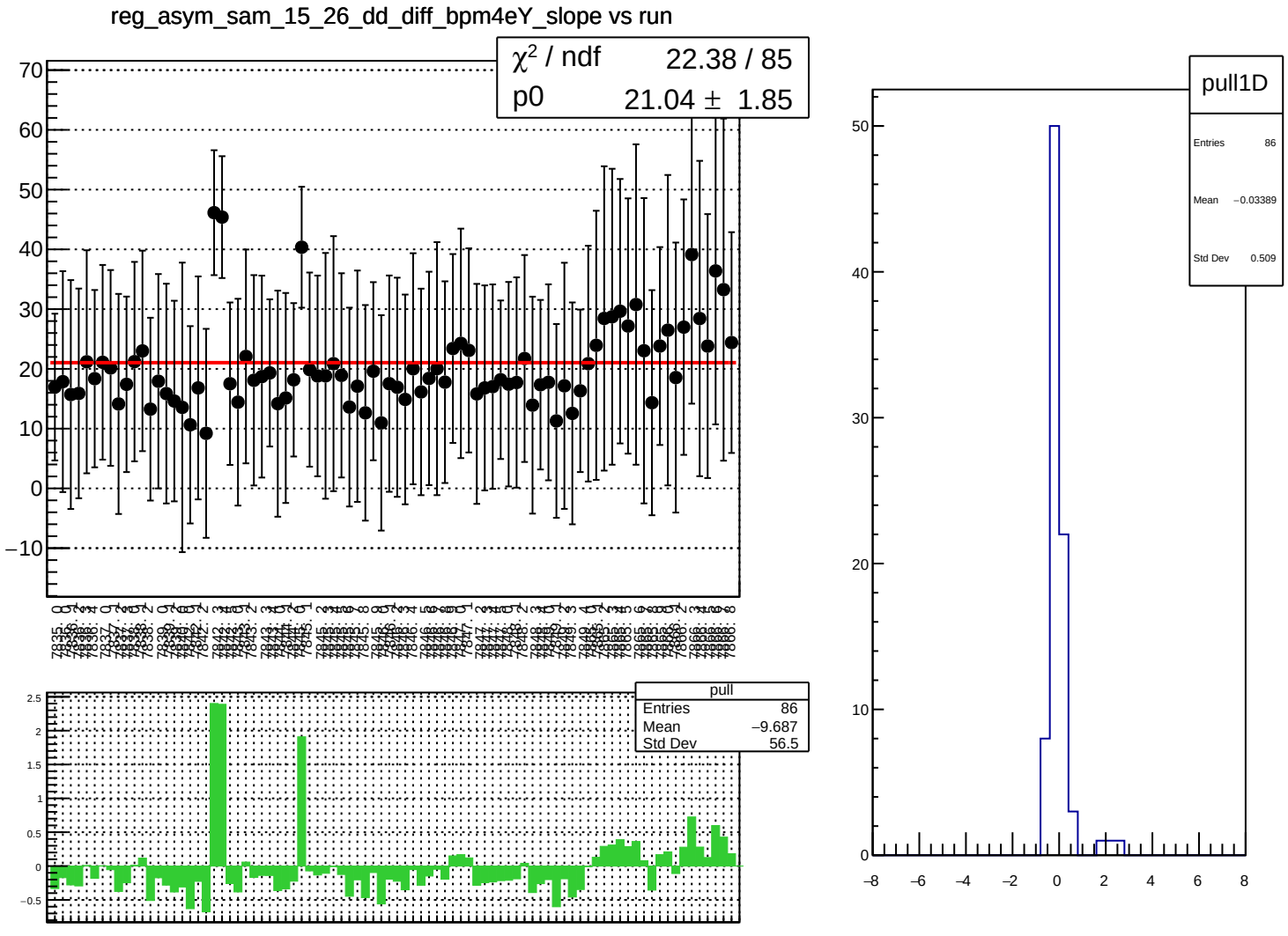

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 12.52 / 85
p0 0.5511± 0.02155
pull
Entries 86
Mean 247.5
Std Dev 197.3
pull1D
Entries 86
Mean 0.009276
Std Dev 0.3815

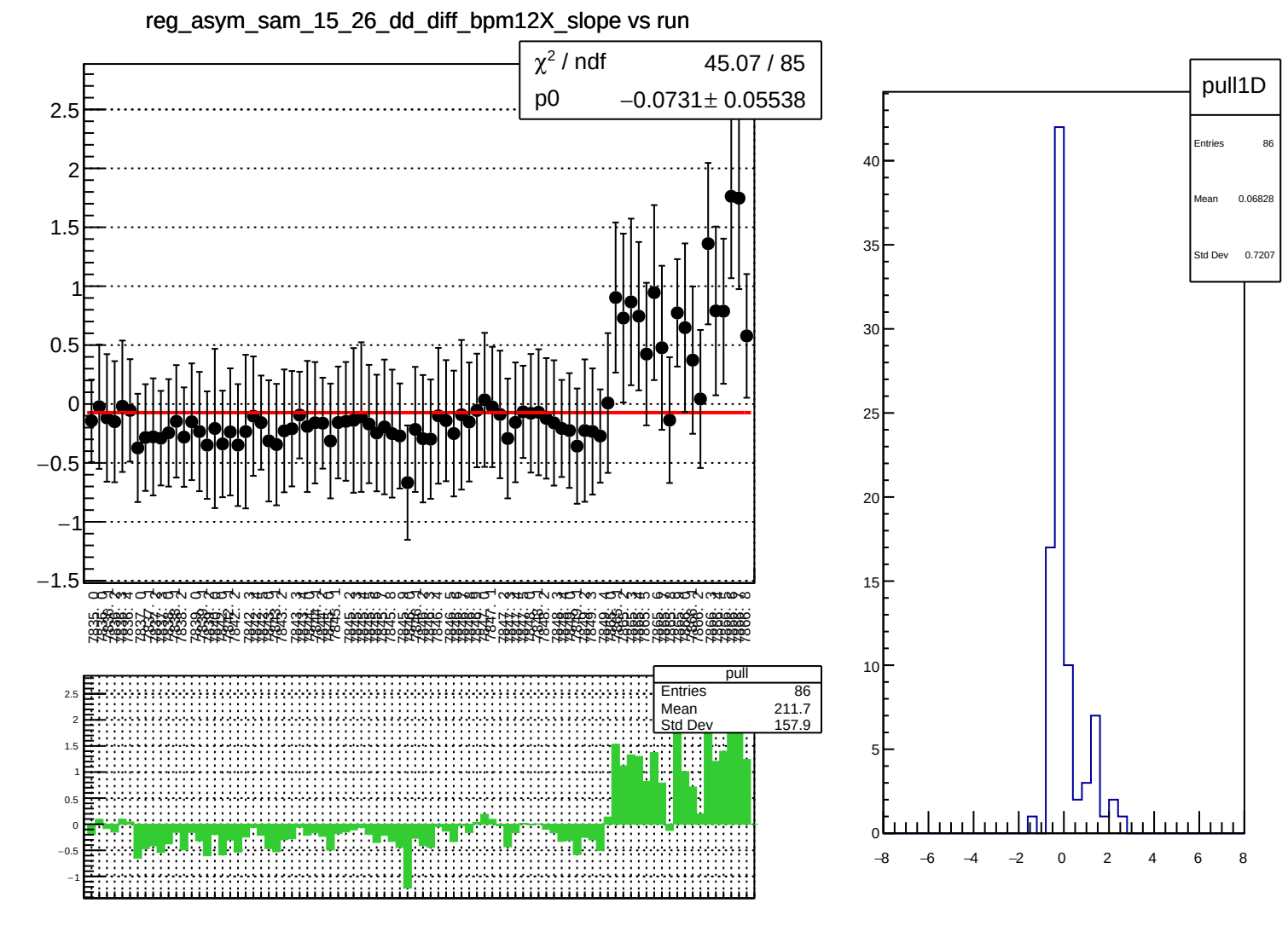

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 179.3 / 85
p0 14.48 ± 1.354
120
100
80
60
40
20
0
−20
pull
Entries 86
Mean 77.9
Std Dev 6.196
4
2
0
−2
−4

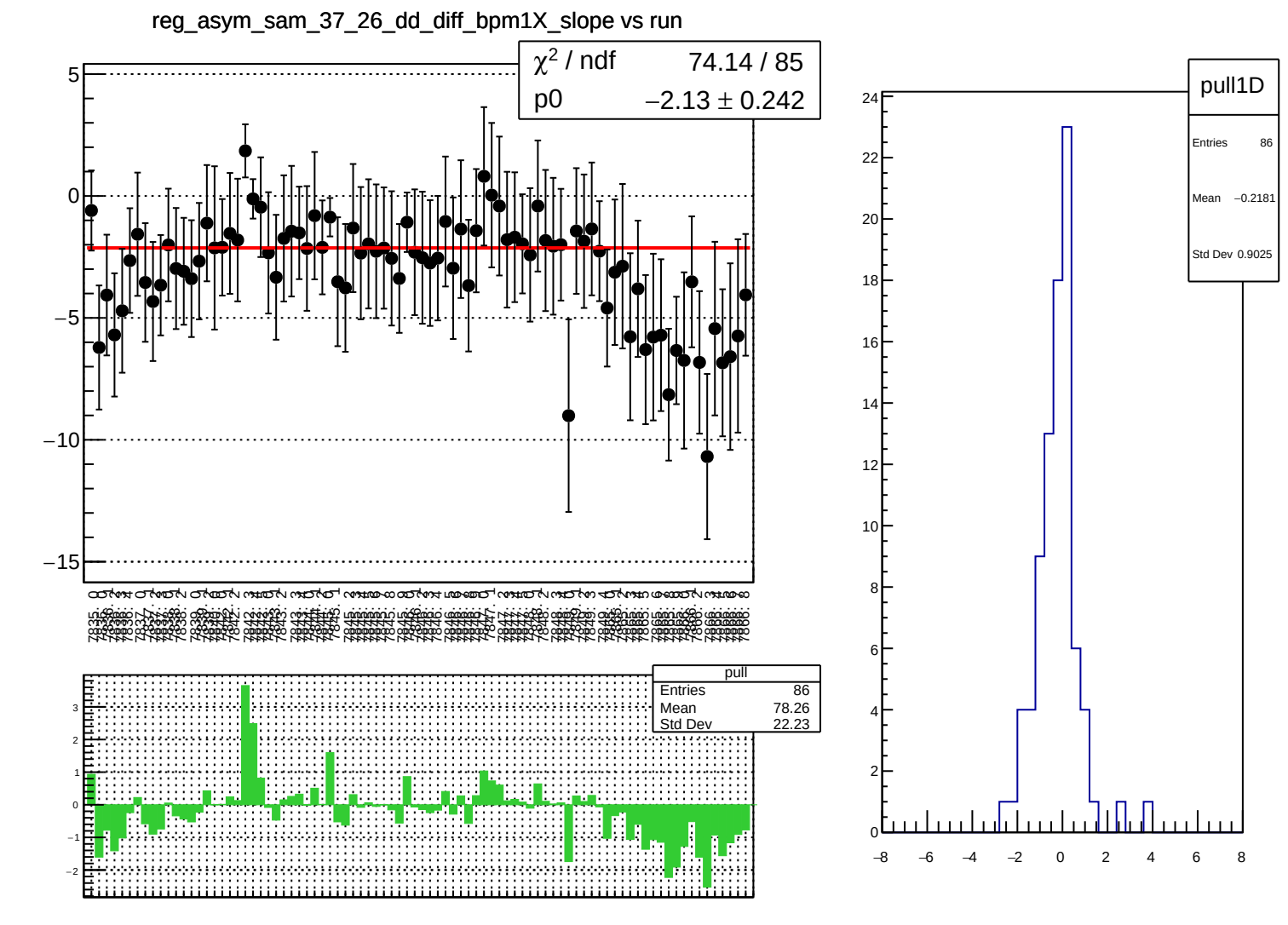

pull1D
Entries 86
Mean 0.5028
Std Dev 1.353
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

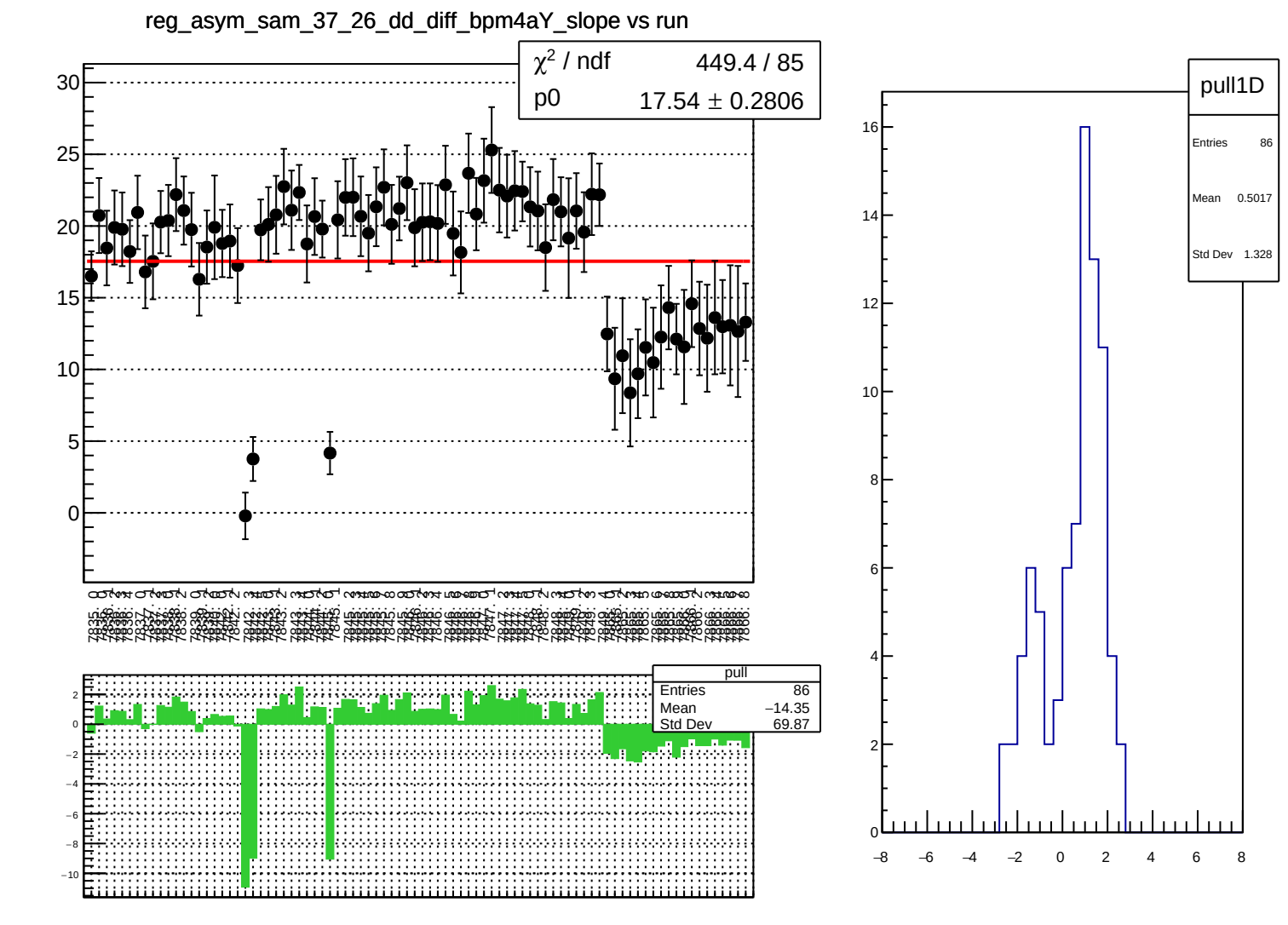

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.72 / 85
p0 21.51 ± 1.603
pull
Entries 86
Mean 25.94
Std Dev 10.79
pull1D
Entries 86
Mean 0.08718
Std Dev 0.6386

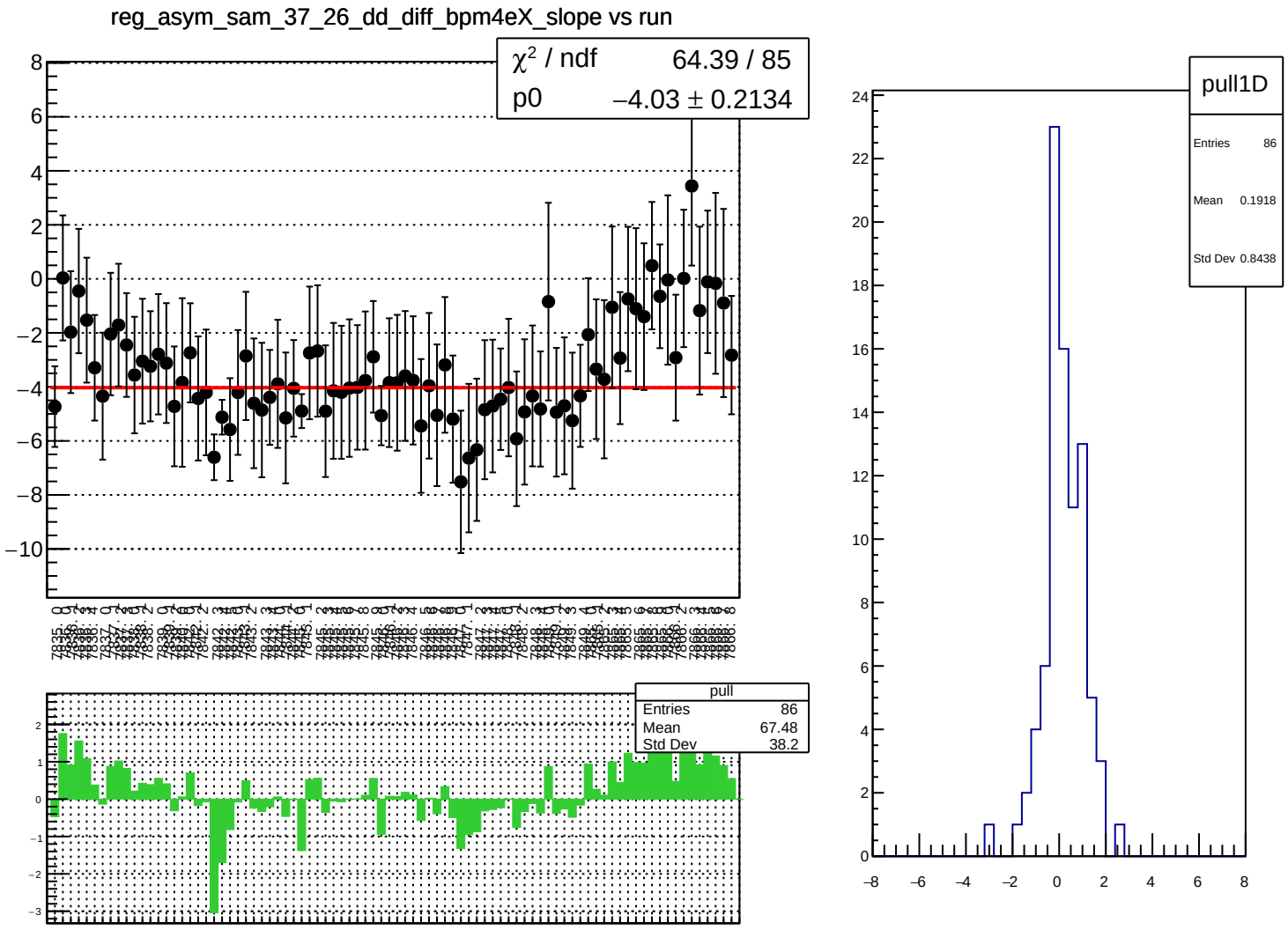

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 195 / 85
p0 24.73 ± 1.182
pull
Entries 86
Mean 71.91
Std Dev 17.32
pull1D
Entries 86
Mean −0.5974
Std Dev 1.382

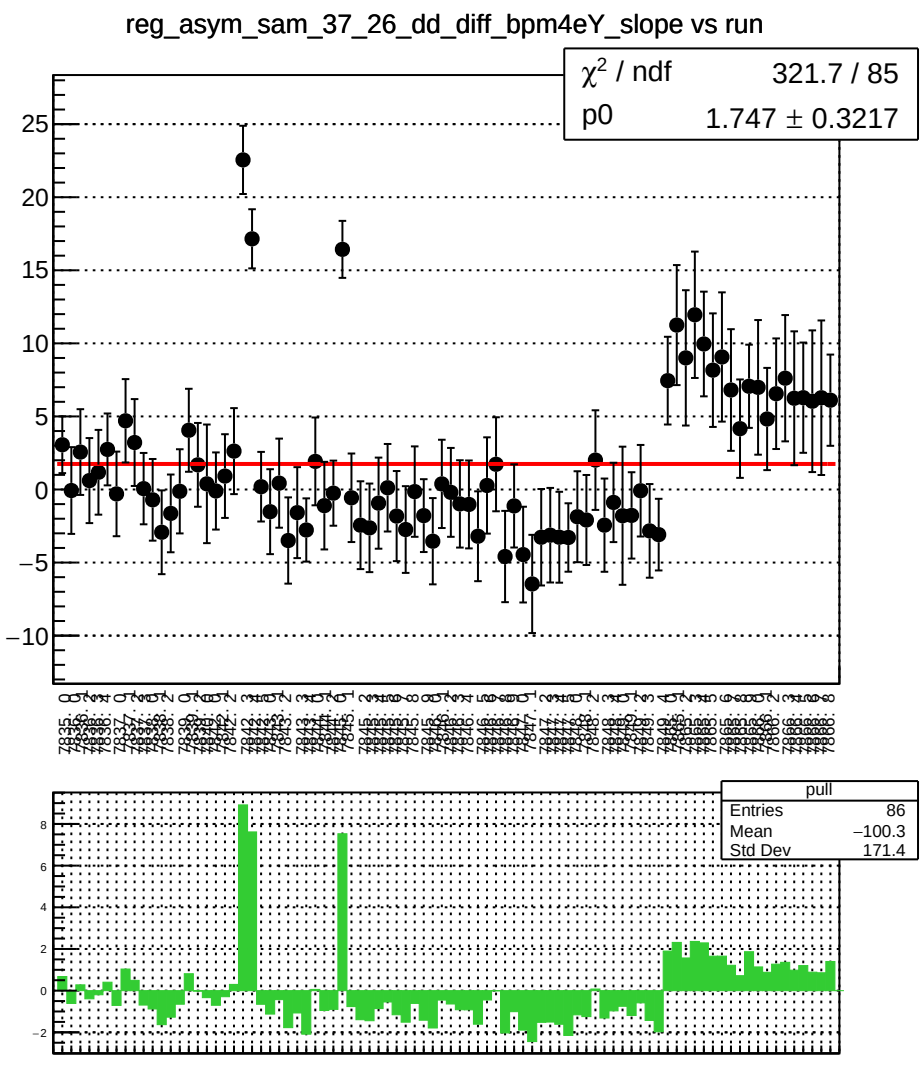

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.38 / 85
p0 21.04 ± 1.85
pull
Entries 86
Mean −9.687
Std Dev 56.5
pull1D
Entries 86
Mean −0.03389
Std Dev 0.509

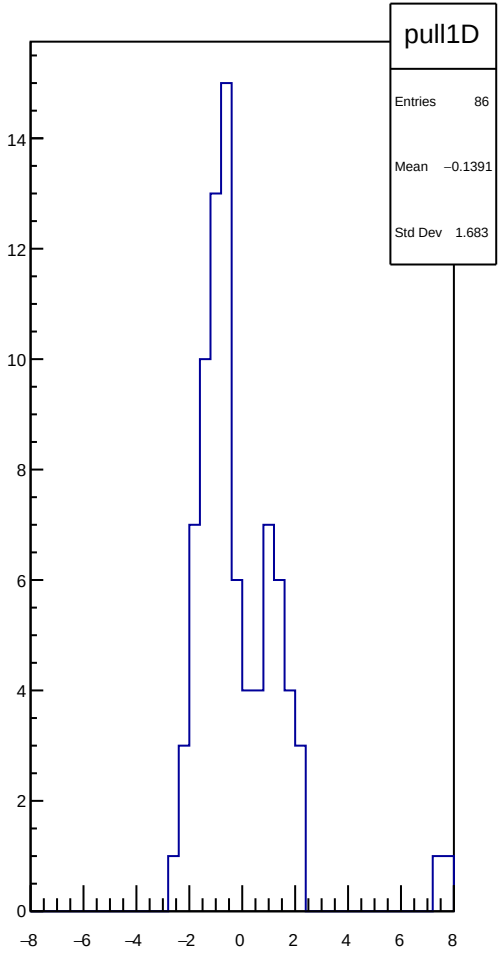

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 45.07 / 85
p0 −0.0731± 0.05538
pull
Entries 86
Mean 211.7
Std Dev 157.9
pull1D
Entries 86
Mean 0.06828
Std Dev 0.7207

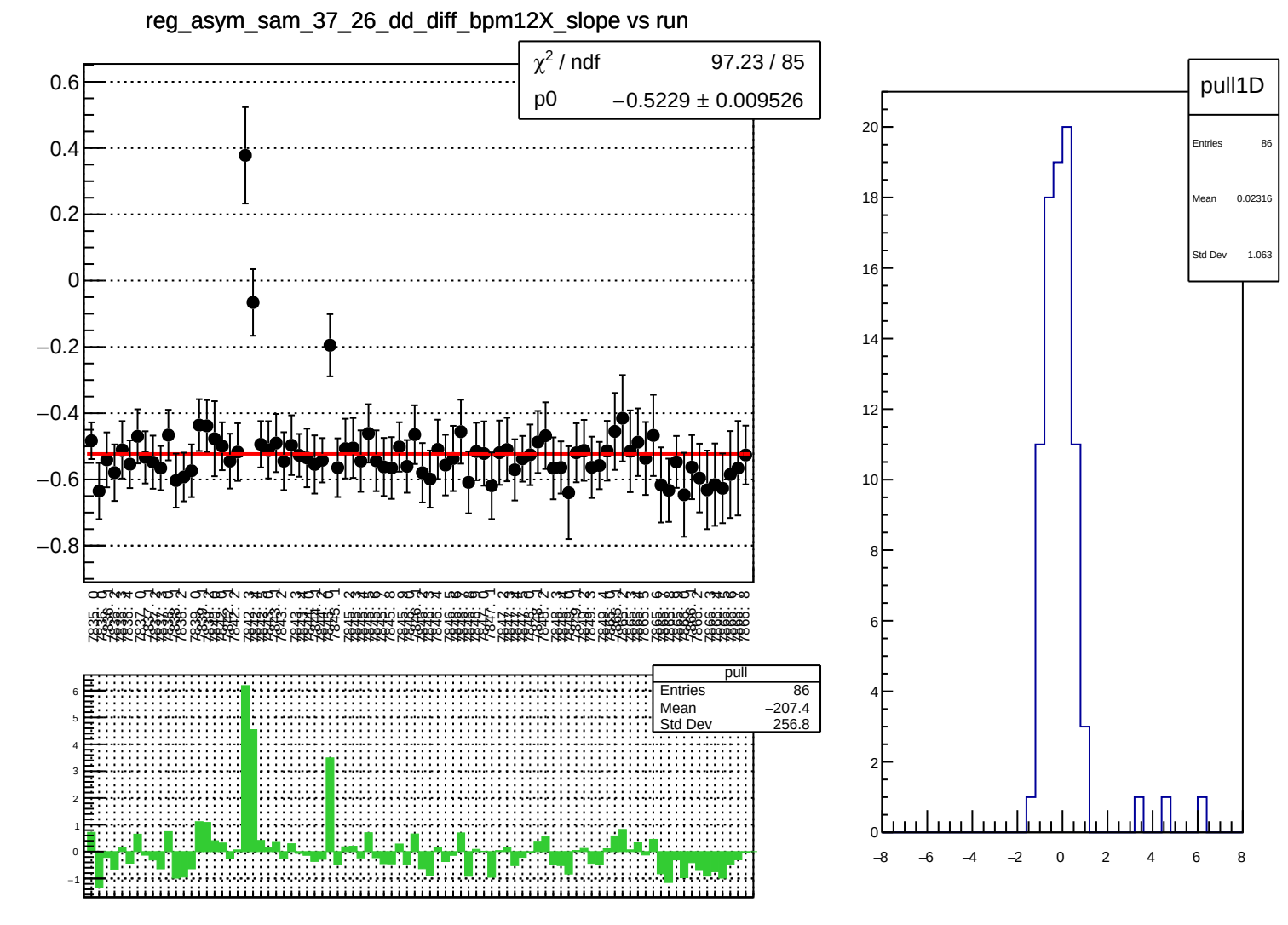

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 74.14 / 85
p0 −2.13 ± 0.242
pull
Entries 86
Mean 78.26
Std Dev 22.23
pull1D
Entries 86
Mean −0.2181
Std Dev 0.9025

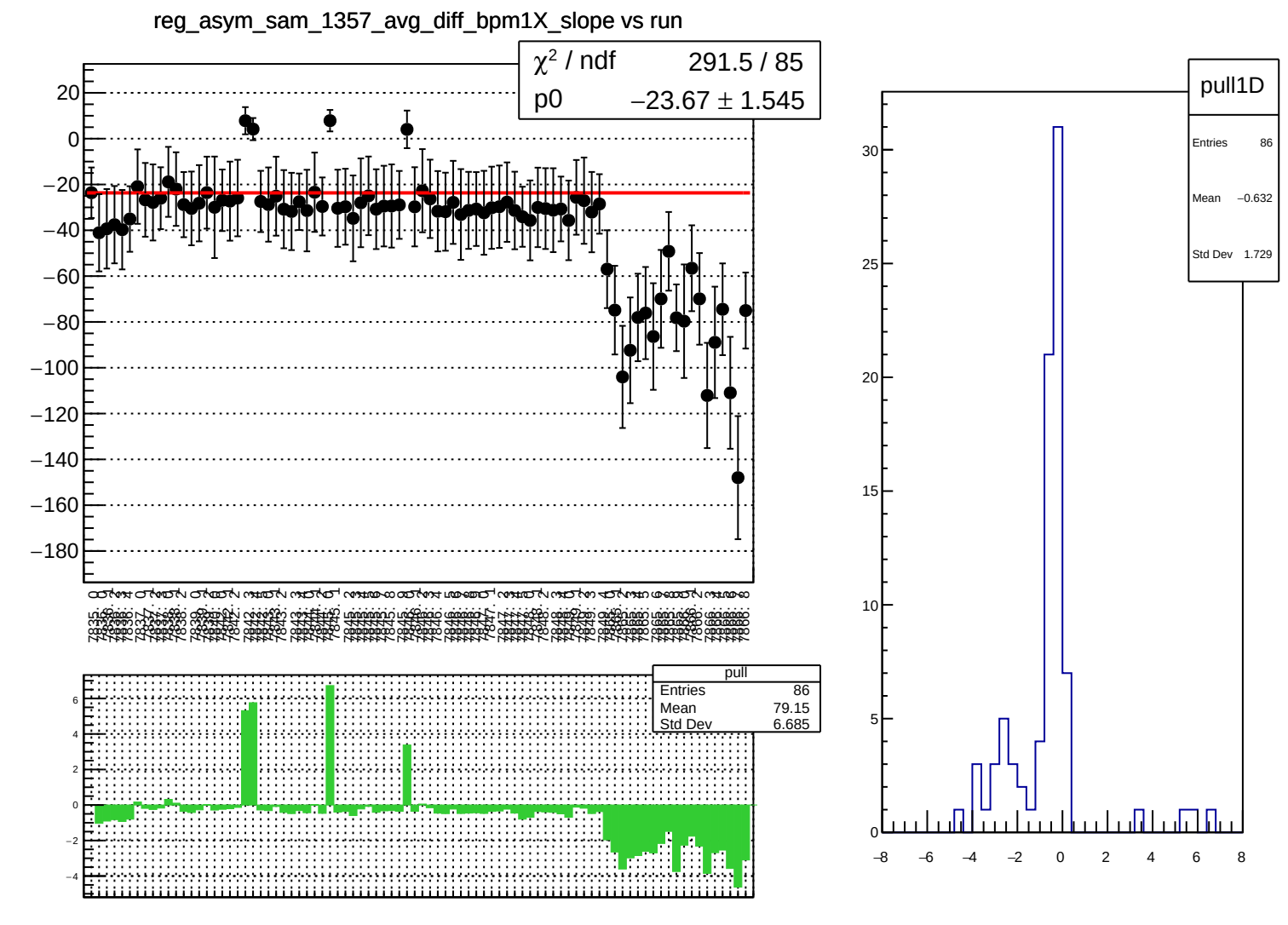

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 449.4 / 85
p0 17.54 ± 0.2806
pull
Entries 86
Mean −14.35
Std Dev 69.87
pull1D
Entries 86
Mean 0.5017
Std Dev 1.328

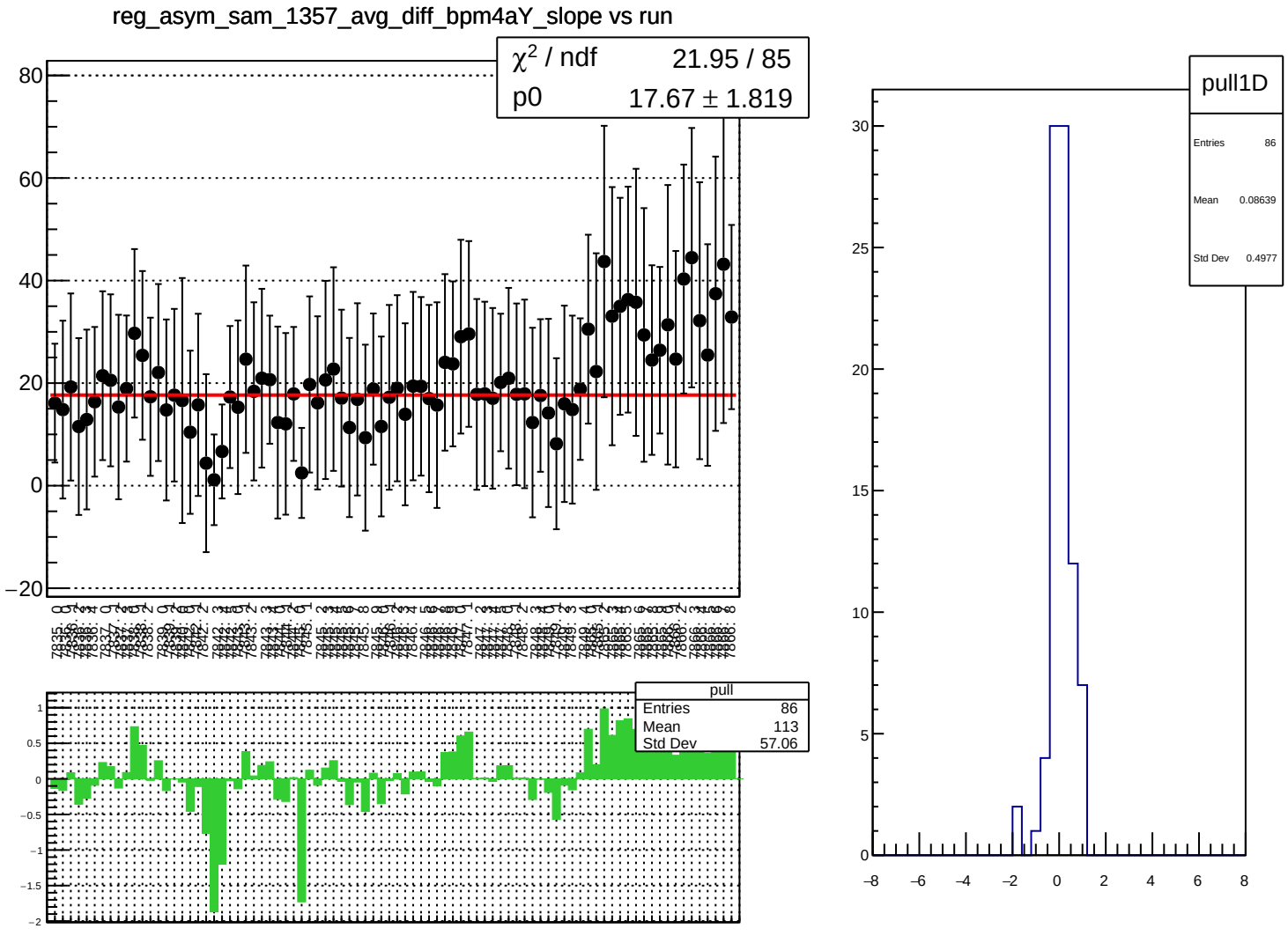

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.39 / 85
p0 −4.03 ± 0.2134
pull
Entries 86
Mean 67.48
Std Dev 38.2
pull1D
Entries 86
Mean 0.1918
Std Dev 0.8438

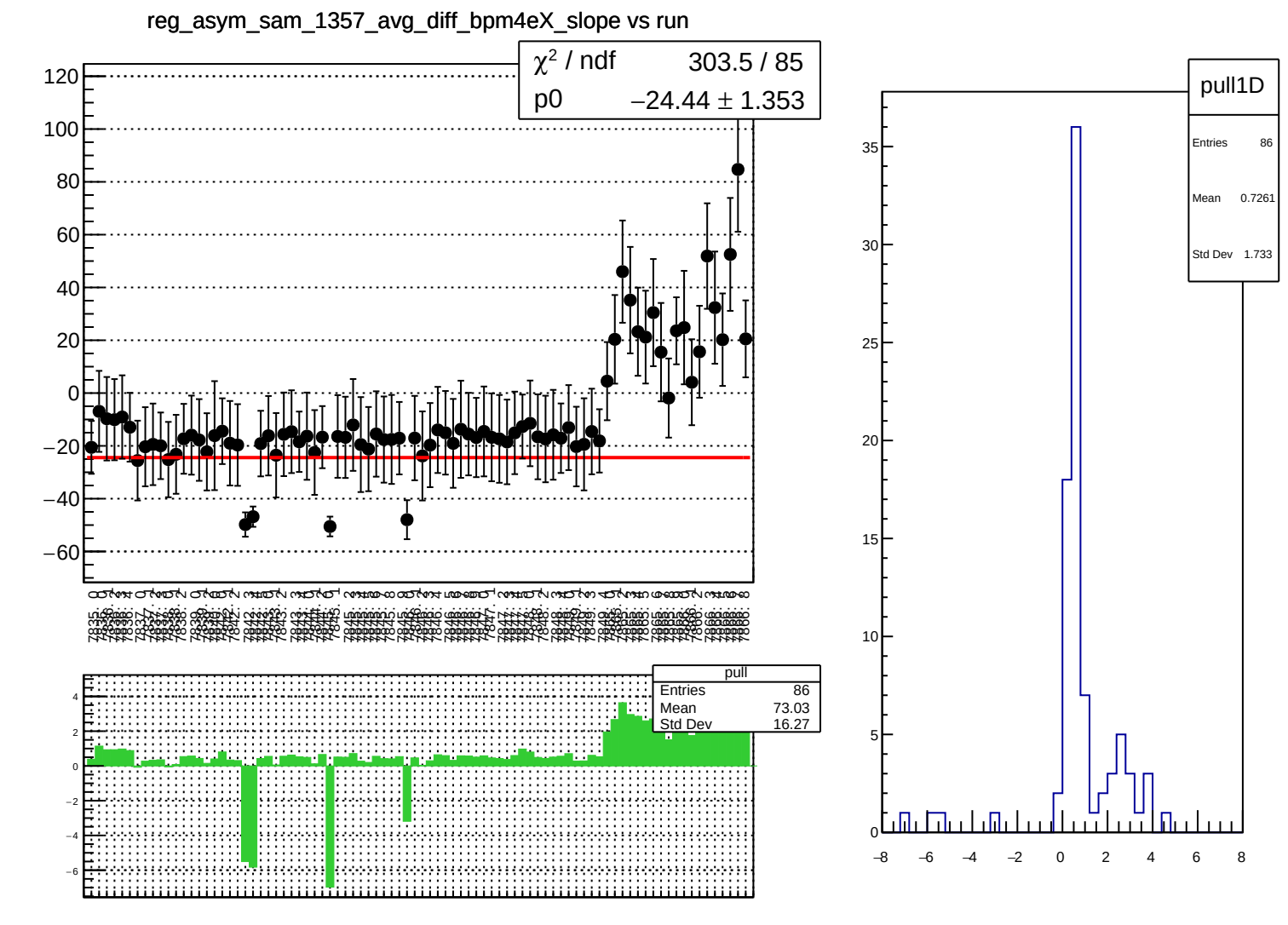

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 321.7 / 85
p0 1.747 ± 0.3217
pull
Entries 86
Mean −100.3
Std Dev 171.4

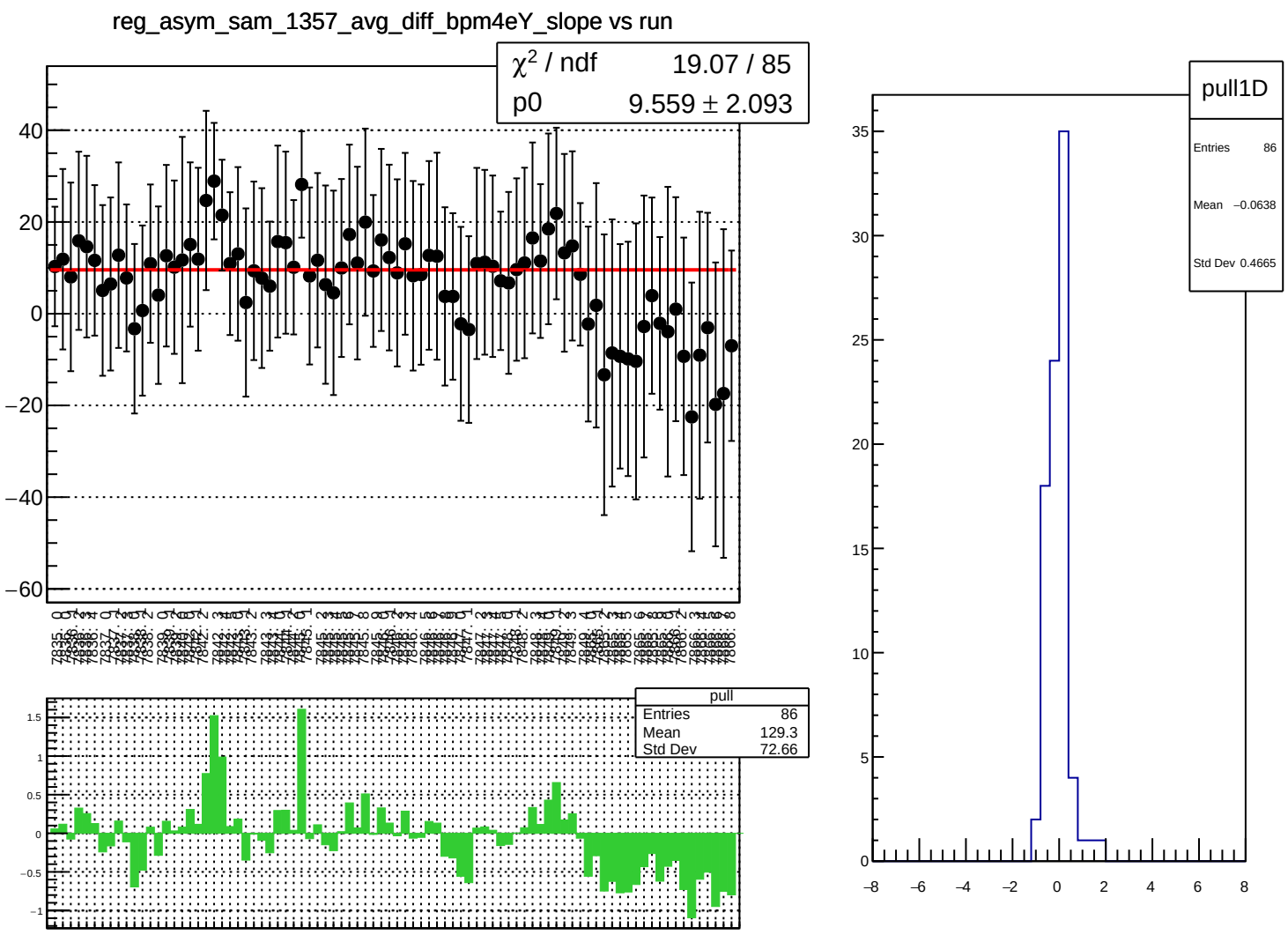

pull1D
Entries 86
Mean −0.1391
Std Dev 1.683

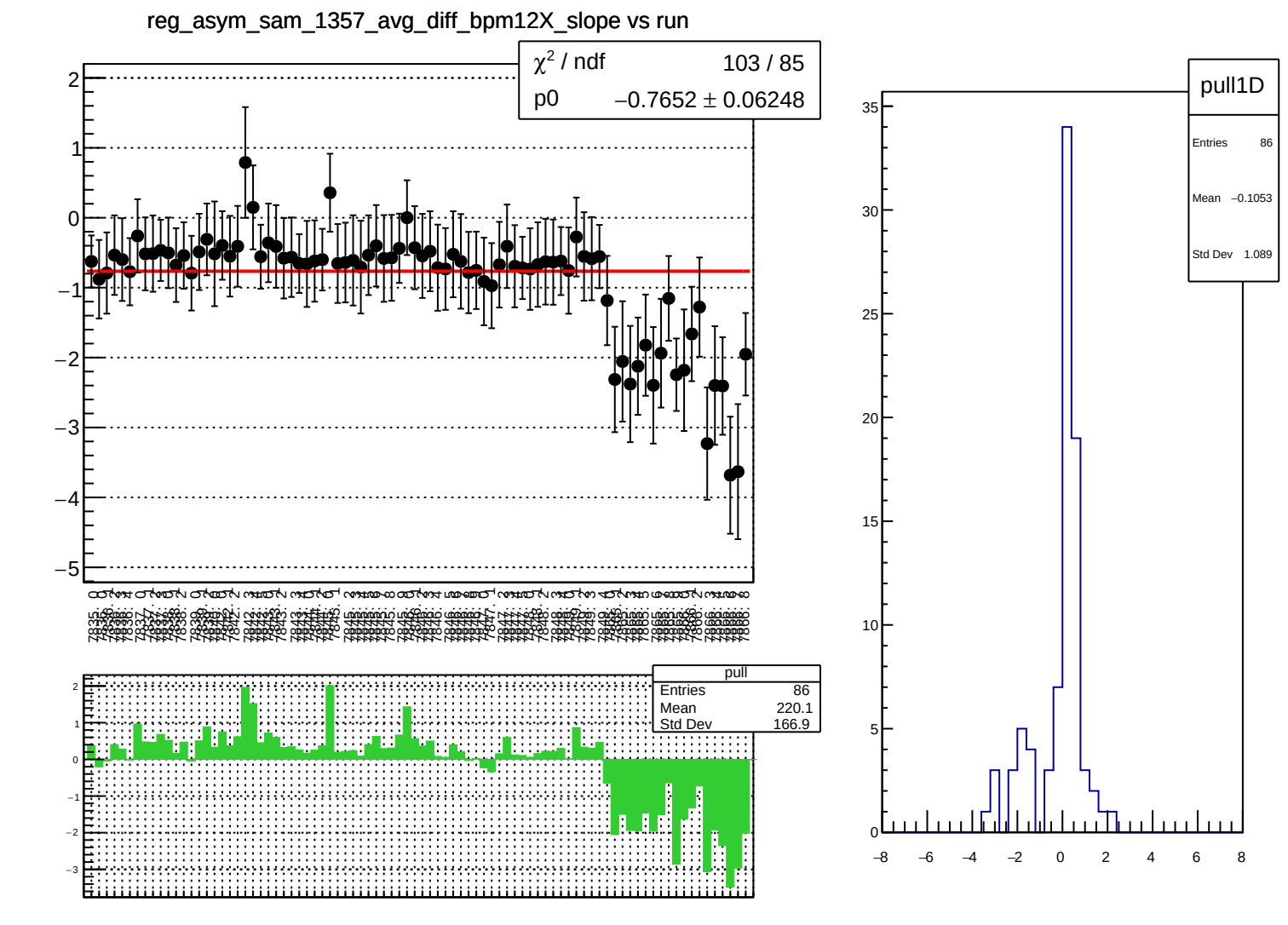

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 97.23 / 85
p0 −0.5229 ± 0.009526
pull
Entries 86
Mean −207.4
Std Dev 256.8
pull1D
Entries 86
Mean 0.02316
Std Dev 1.063

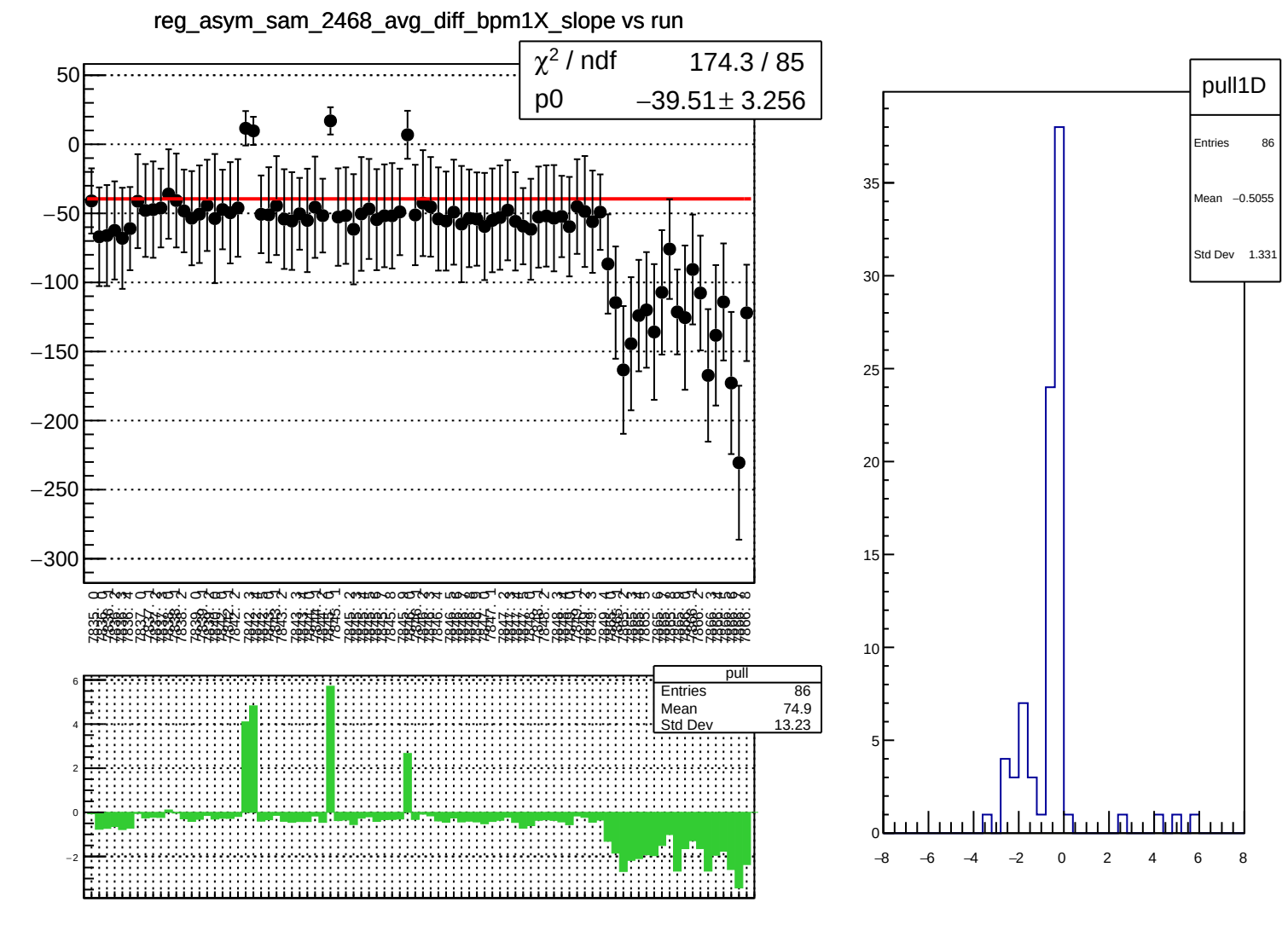

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 291.5 / 85
p0 −23.67 ± 1.545
pull
Entries 86
Mean 79.15
Std Dev 6.685
pull1D
Entries 86
Mean −0.632
Std Dev 1.729

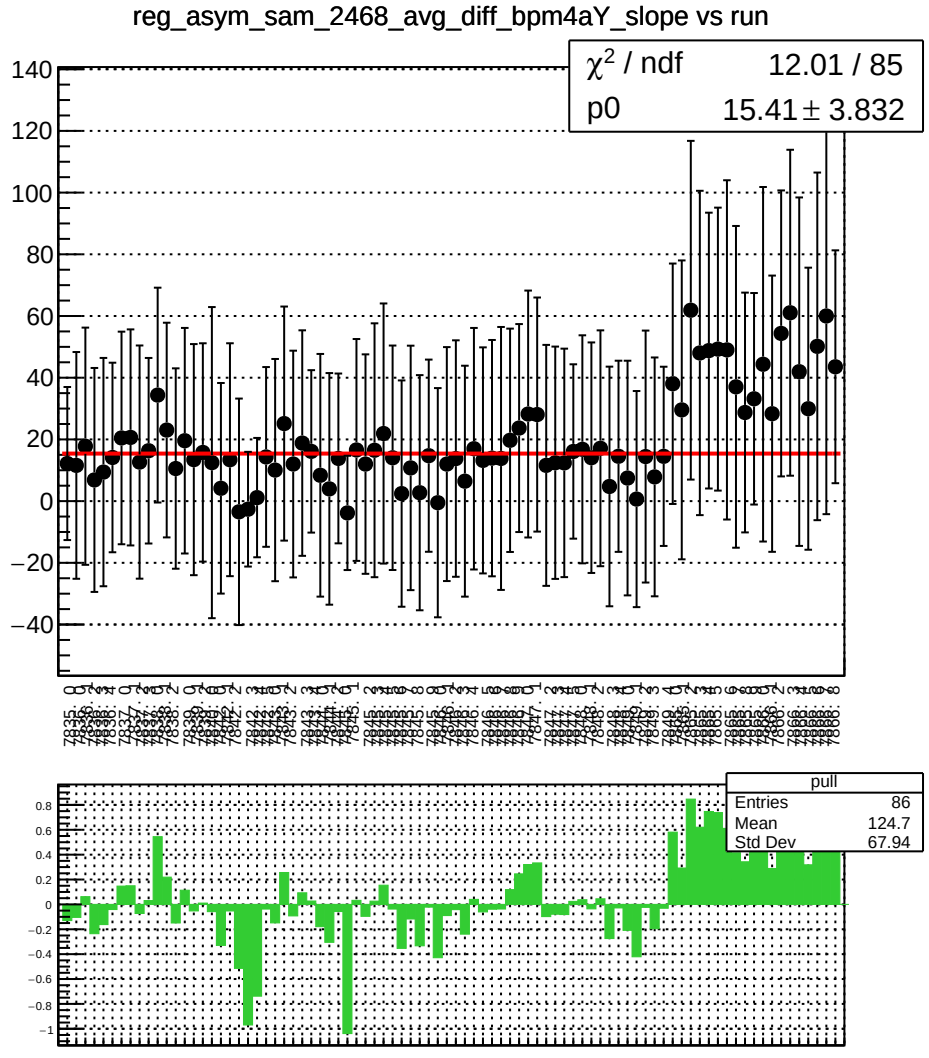

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.95 / 85
p0 17.67 ± 1.819
pull
Entries 86
Mean 113
Std Dev 57.06
pull1D
Entries 86
Mean 0.08639
Std Dev 0.4977

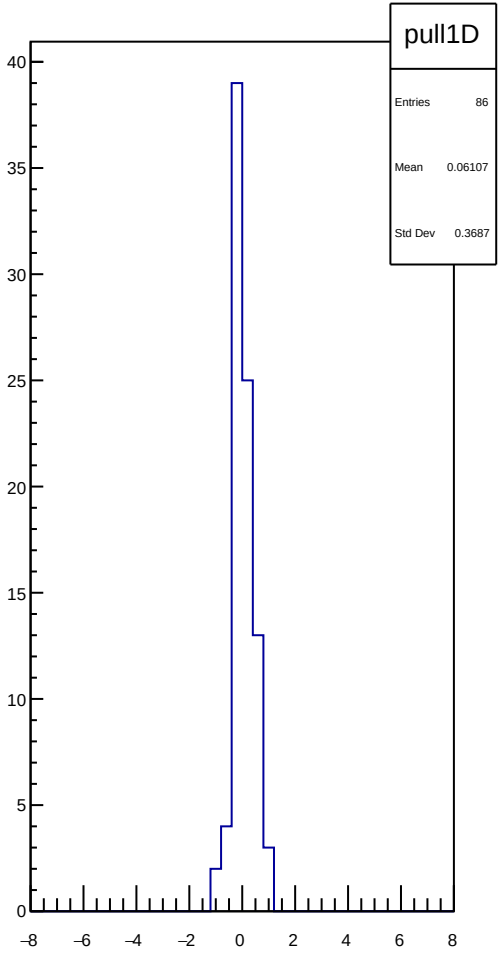

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 303.5 / 85
p0 −24.44 ± 1.353
pull
Entries 86
Mean 73.03
Std Dev 16.27
pull1D
Entries 86
Mean 0.7261
Std Dev 1.733

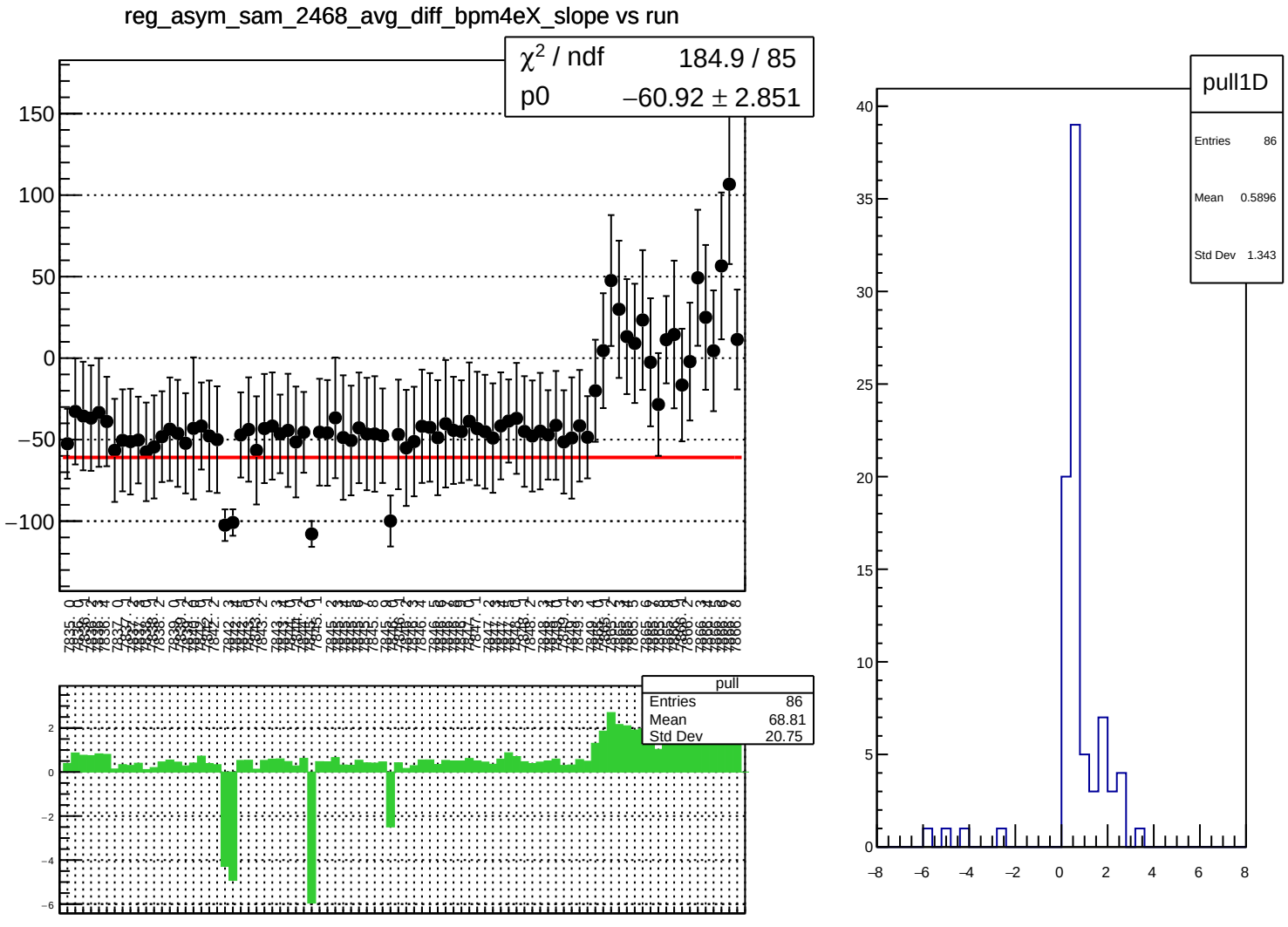

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.07 / 85
p0 9.559 ± 2.093
pull
Entries 86
Mean 129.3
Std Dev 72.66
pull1D
Entries 86
Mean −0.0638
Std Dev 0.4665

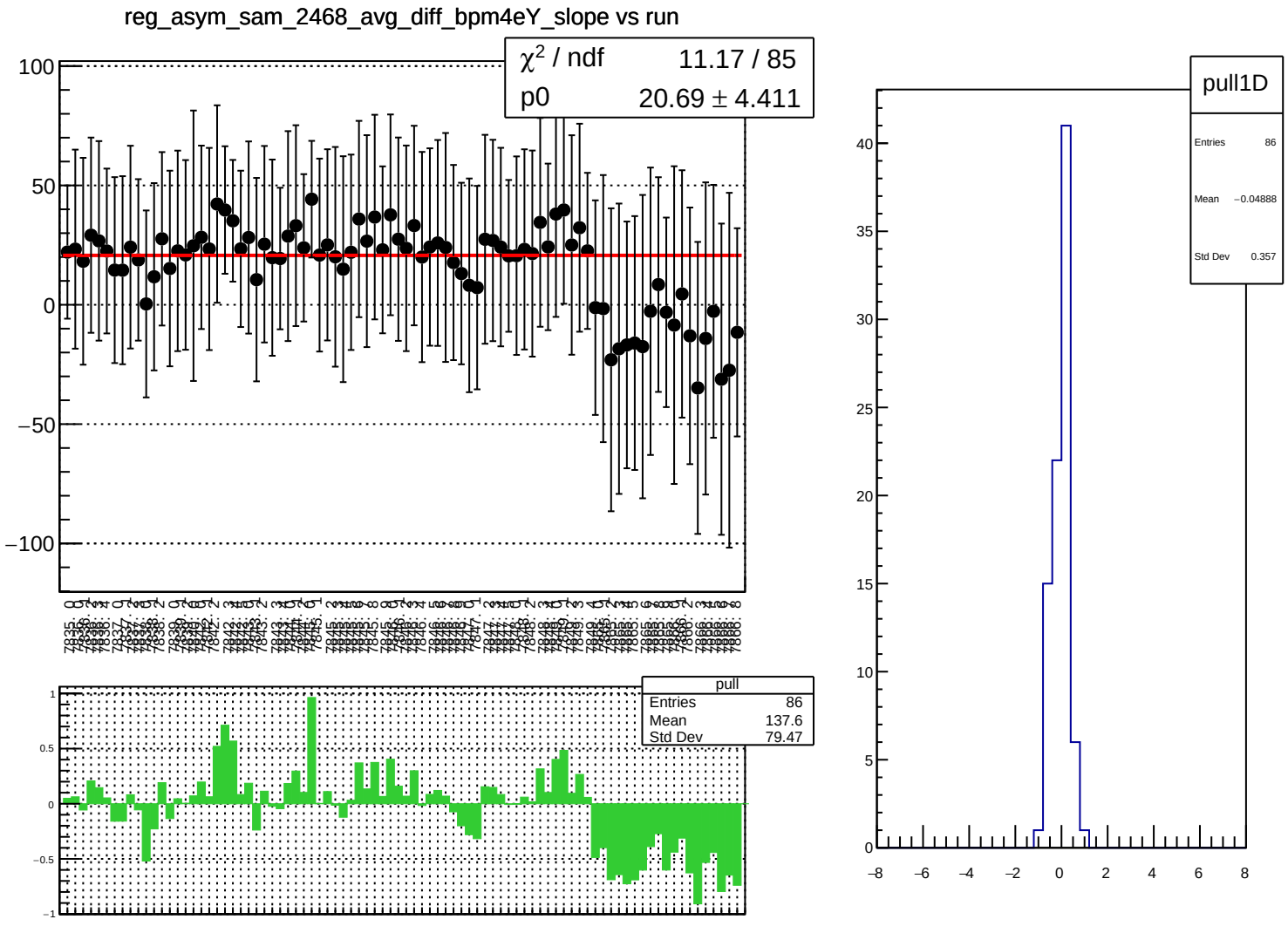

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 103 / 85
p0 −0.7652 ± 0.06248
pull
Entries 86
Mean 220.1
Std Dev 166.9
pull1D
Entries 86
Mean −0.1053
Std Dev 1.089

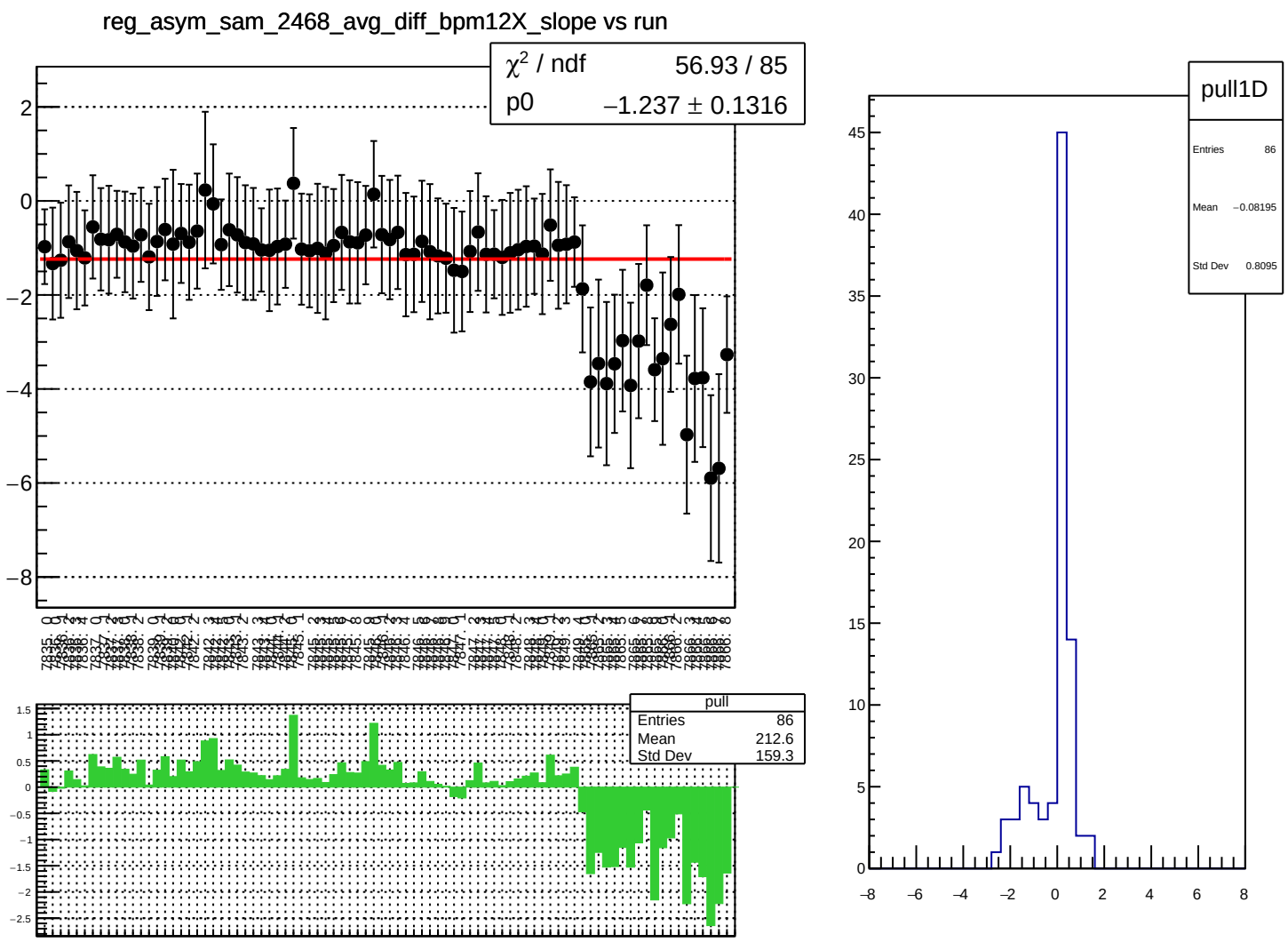

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 174.3 / 85
p0 −39.51 ± 3.256
pull
Entries 86
Mean 74.9
Std Dev 13.23
pull1D
Entries 86
Mean −0.5055
Std Dev 1.331

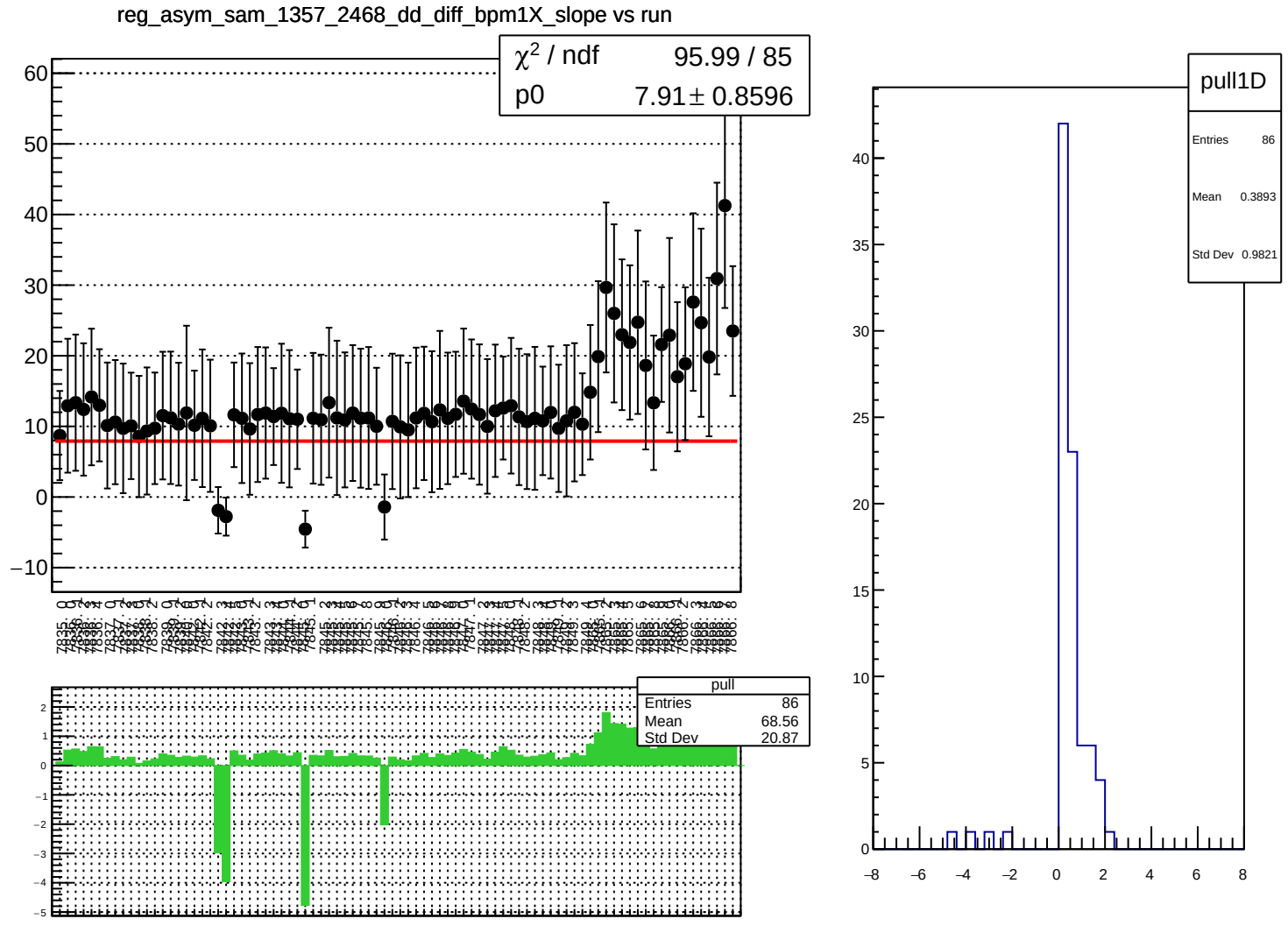

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.01 / 85
p0 15.41 ± 3.832
pull
Entries 86
Mean 124.7
Std Dev 67.94

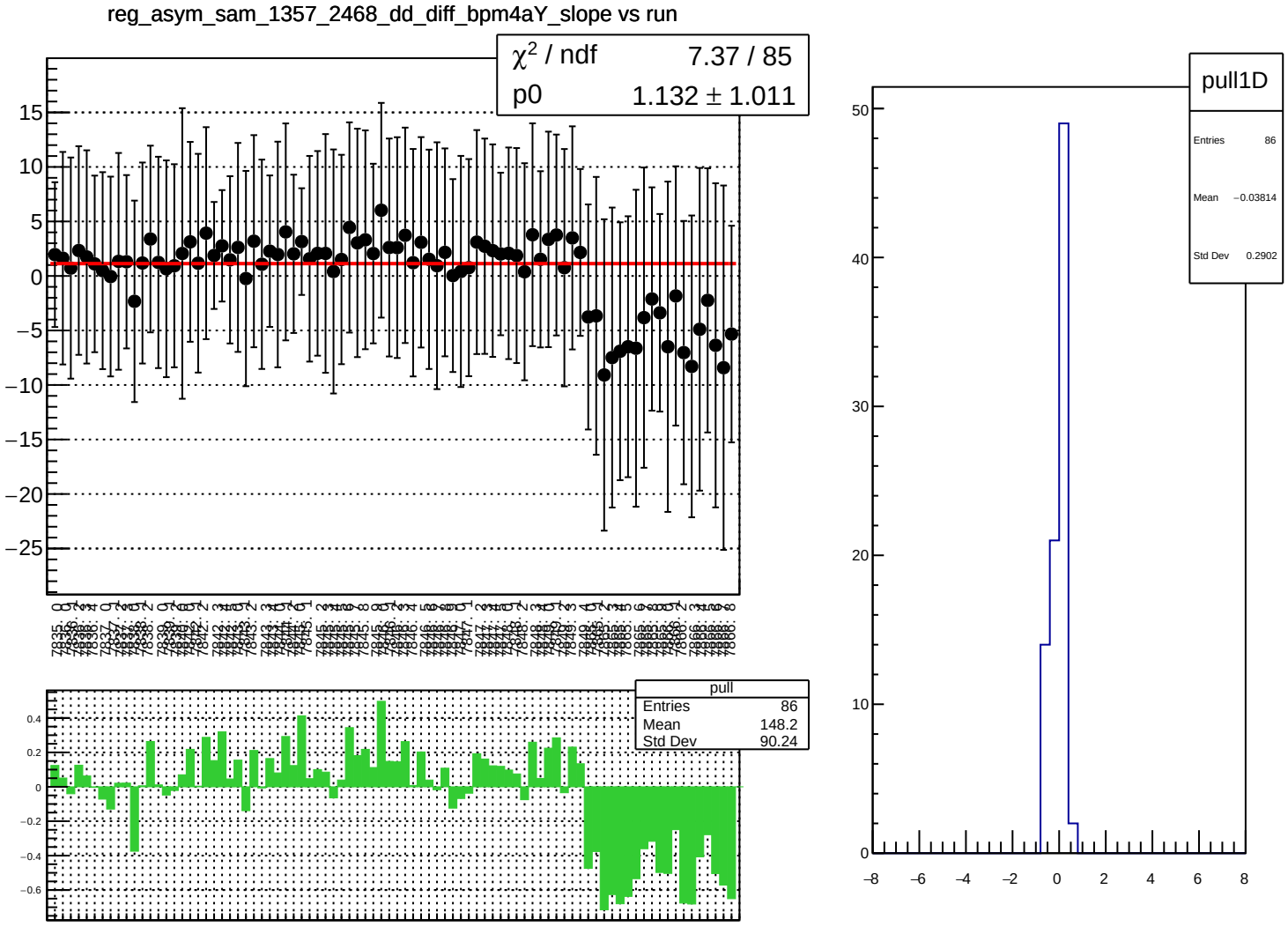

pull1D
Entries 86
Mean 0.06107
Std Dev 0.3687

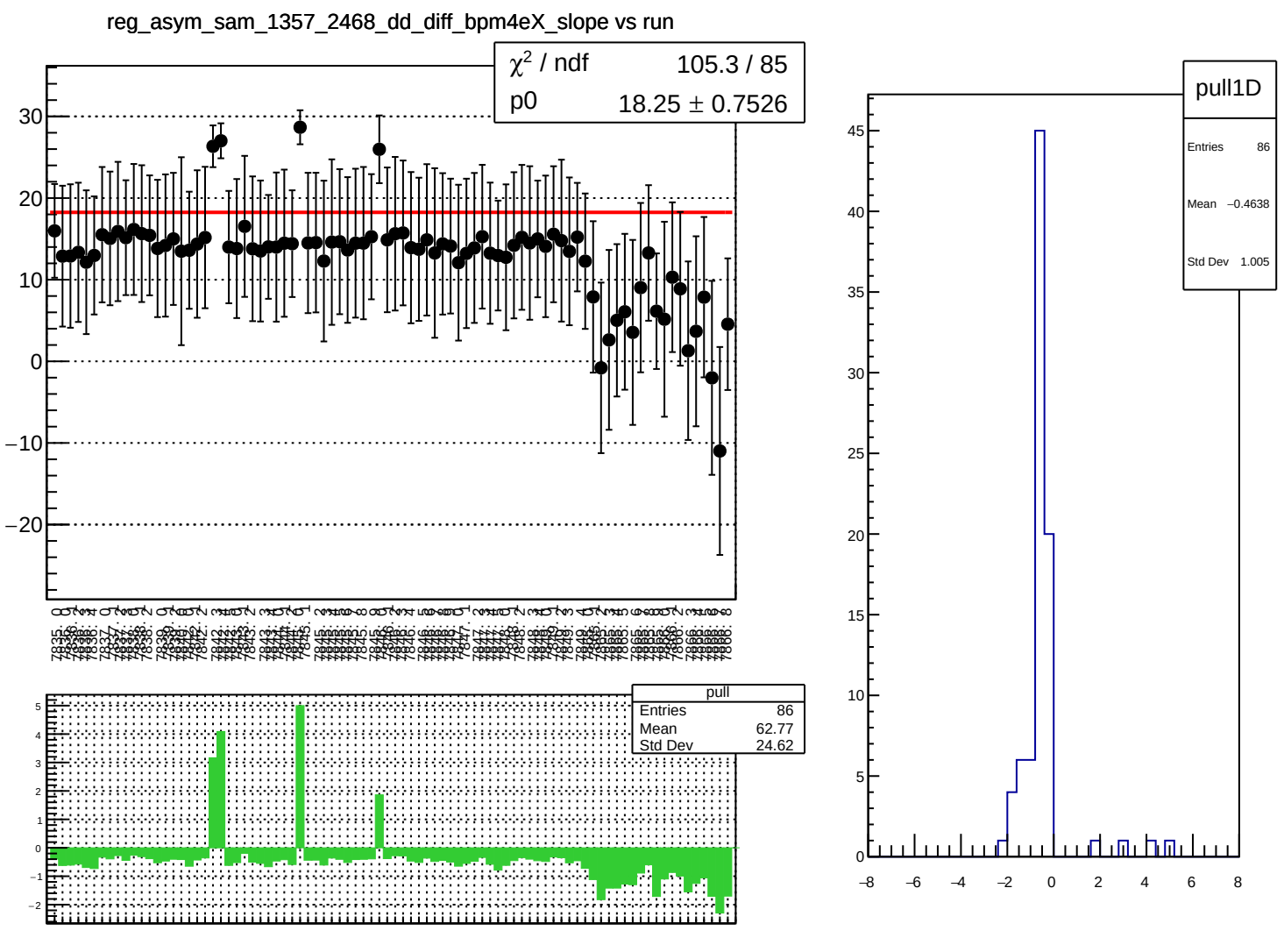

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 184.9 / 85
p0 −60.92 ± 2.851
150
100
50
0
−50
−100
pull
Entries 86
Mean 68.81
Std Dev 20.75
2
0
−2
−4
−6
pull1D
Entries 86
Mean 0.5896
Std Dev 1.343
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

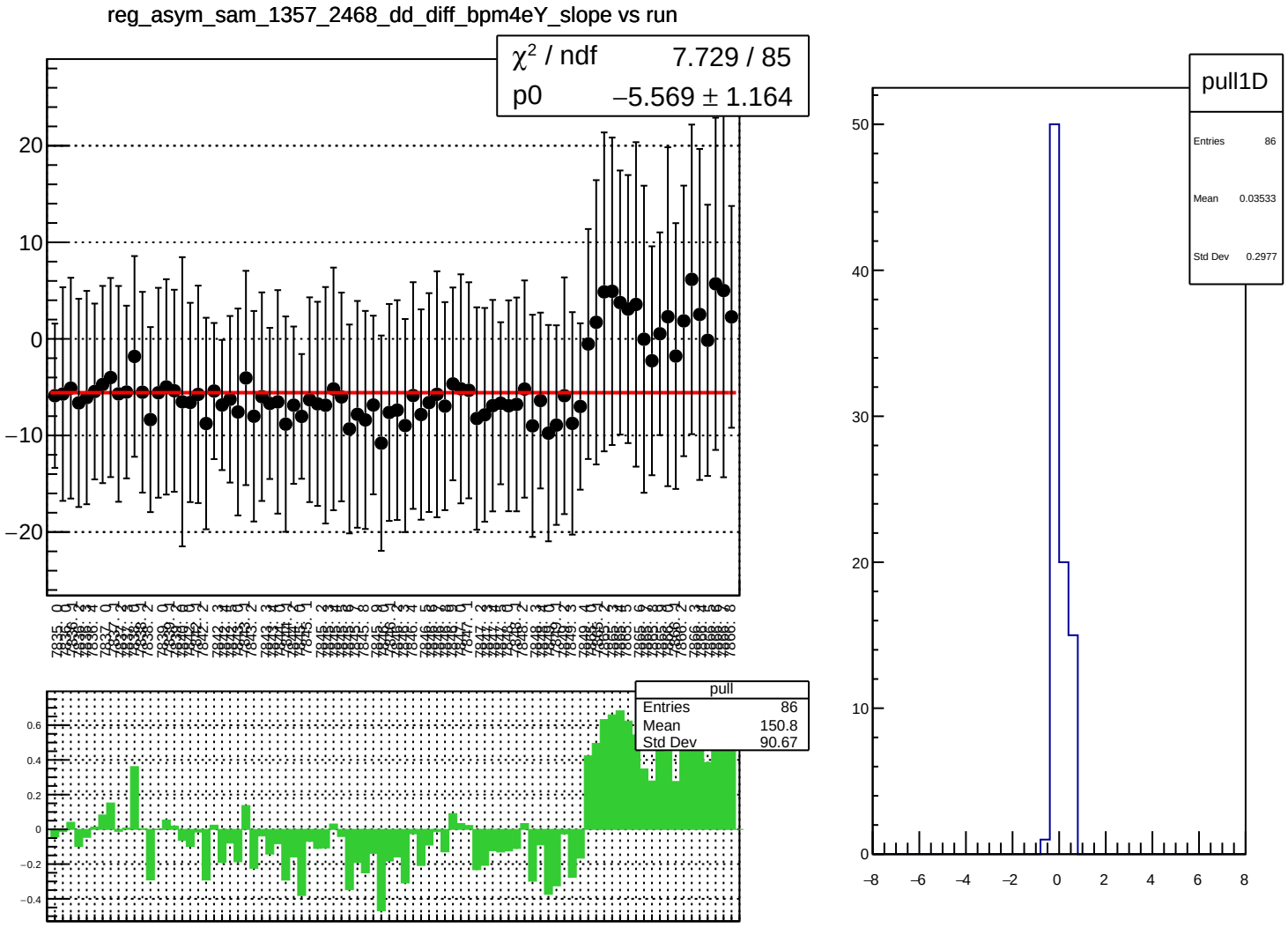

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.17 / 85
p0 20.69 ± 4.411
100
50
0
−50
−100
pull
Entries 86
Mean 137.6
Std Dev 79.47
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.04888
Std Dev 0.357
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

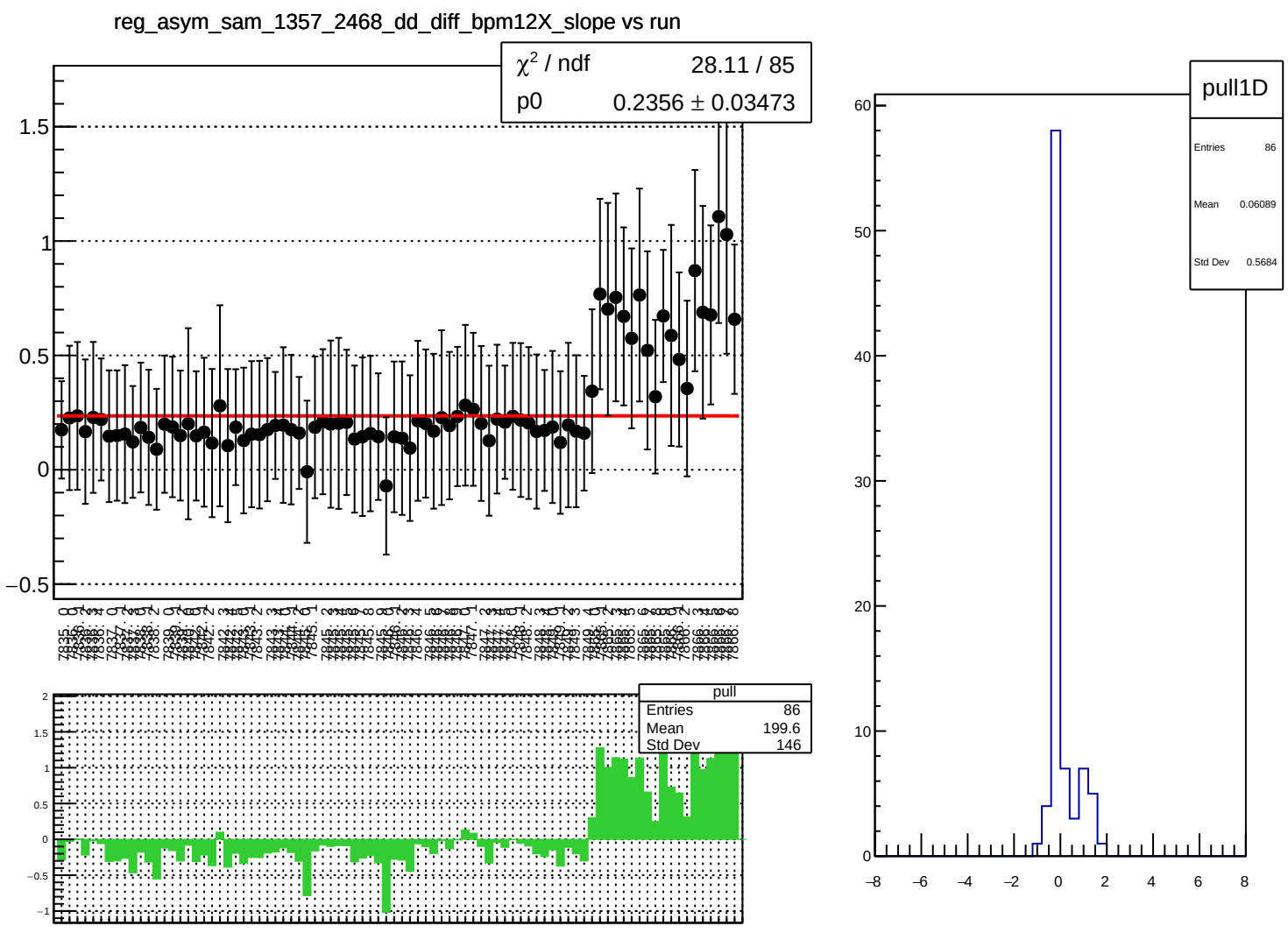

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 56.93 / 85
p0 −1.237 ± 0.1316
pull
Entries 86
Mean 212.6
Std Dev 159.3
pull1D
Entries 86
Mean −0.08195
Std Dev 0.8095

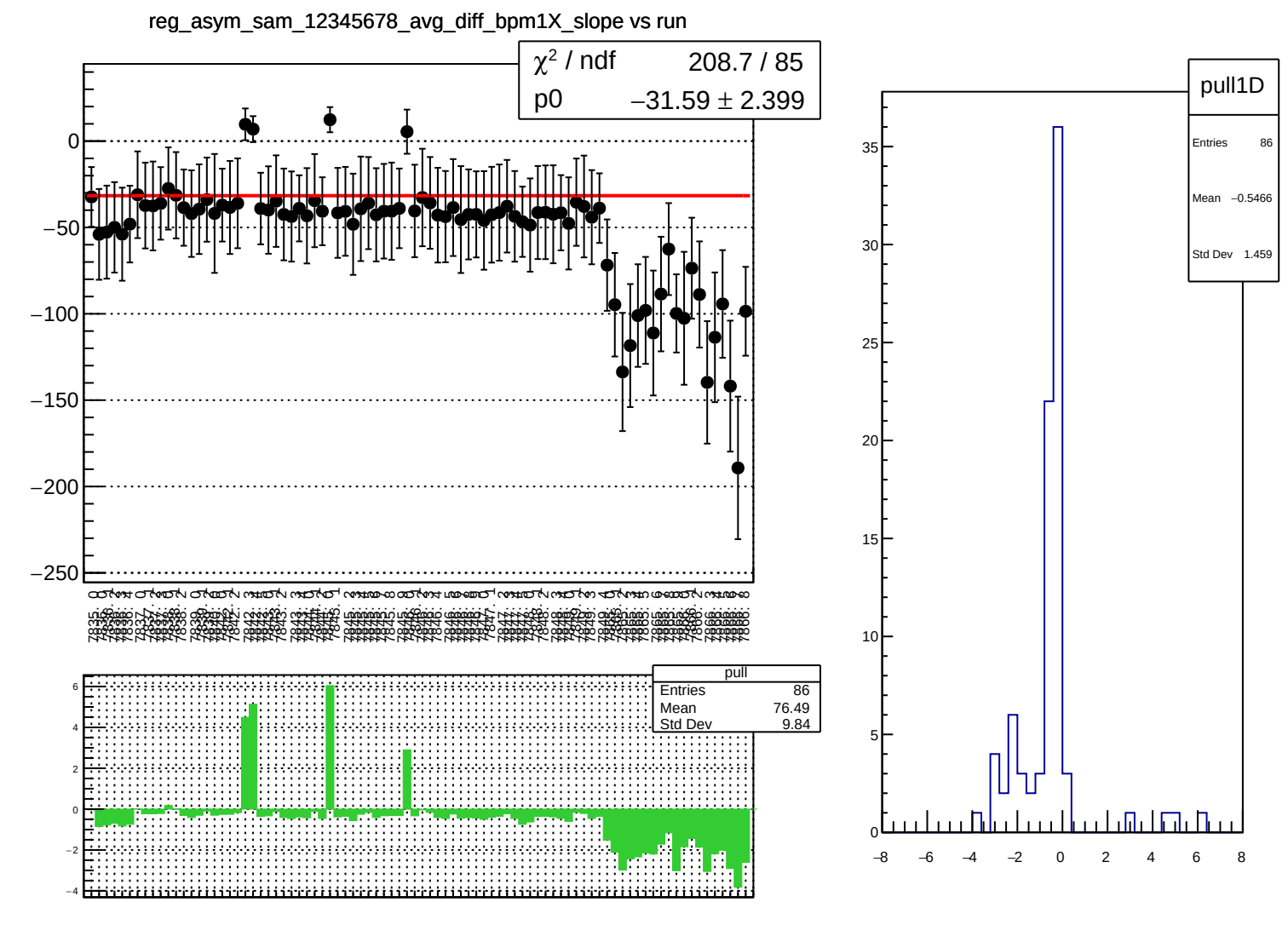

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 95.99 / 85
p0 7.91 ± 0.8596
pull
Entries 86
Mean 68.56
Std Dev 20.87
pull1D
Entries 86
Mean 0.3893
Std Dev 0.9821

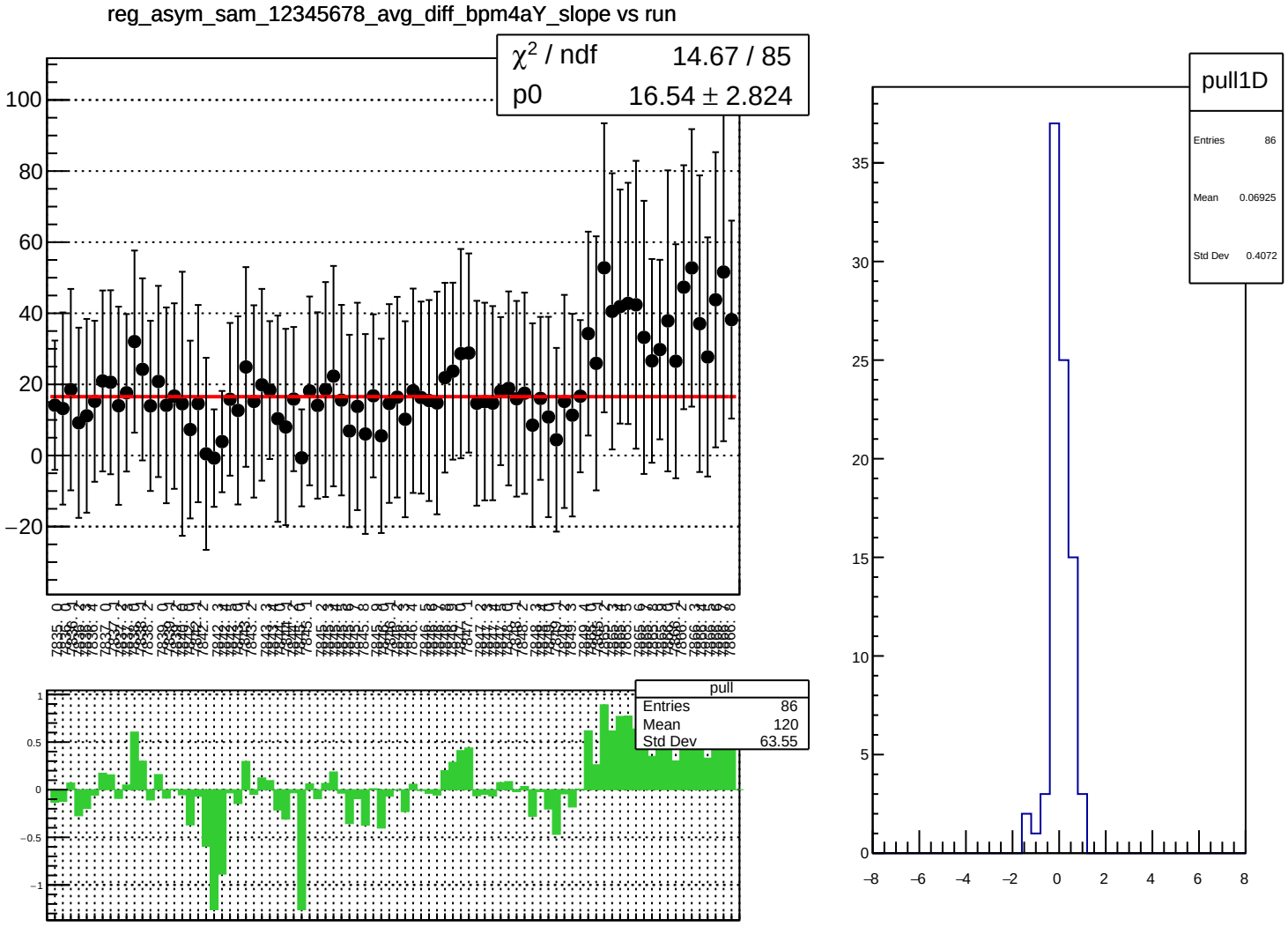

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.37 / 85
p0 1.132 ± 1.011
pull
Entries 86
Mean 148.2
Std Dev 90.24
pull1D
Entries 86
Mean −0.03814
Std Dev 0.2902

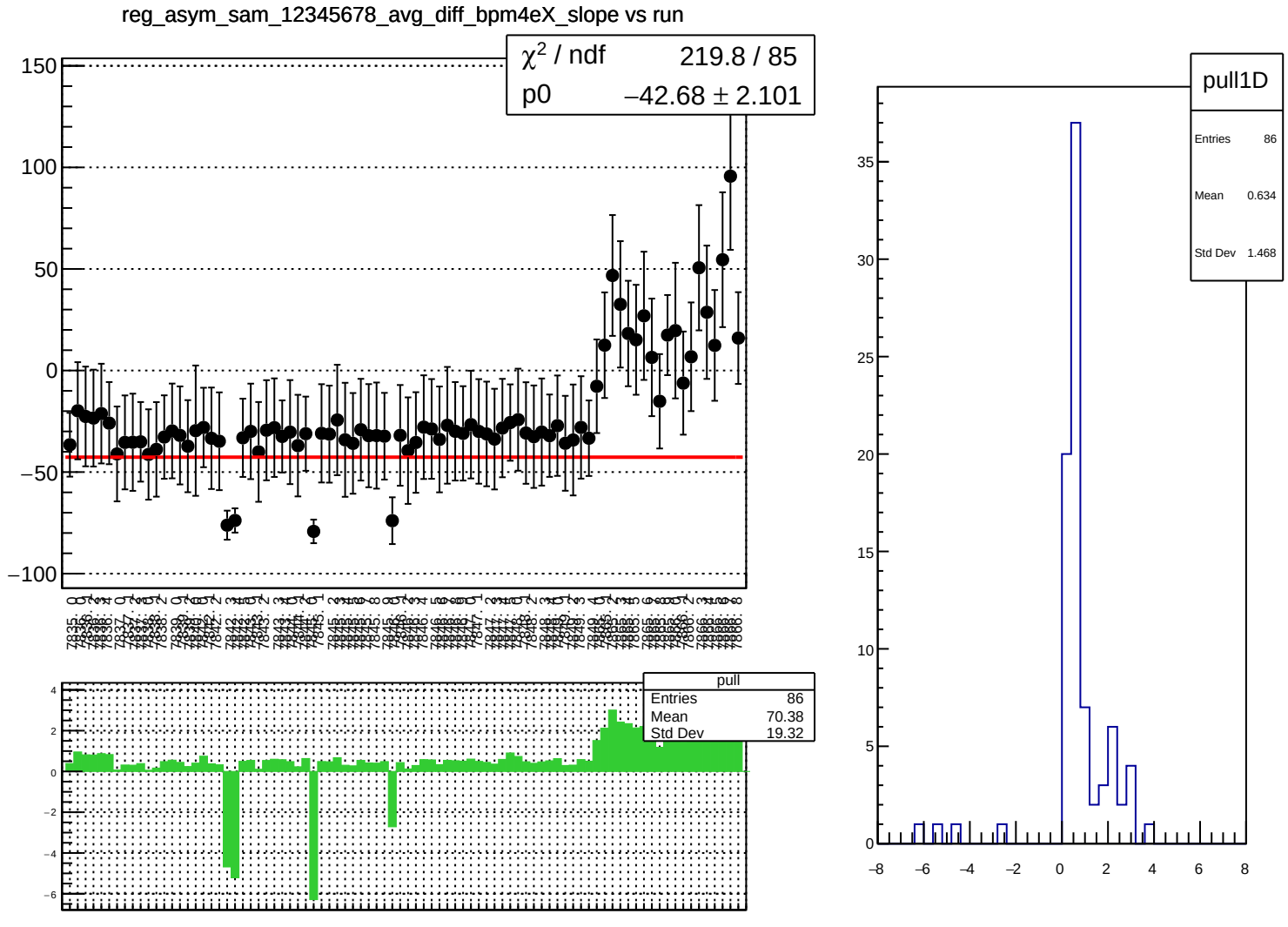

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 105.3 / 85
p0 18.25 ± 0.7526
pull
Entries 86
Mean 62.77
Std Dev 24.62
pull1D
Entries 86
Mean −0.4638
Std Dev 1.005

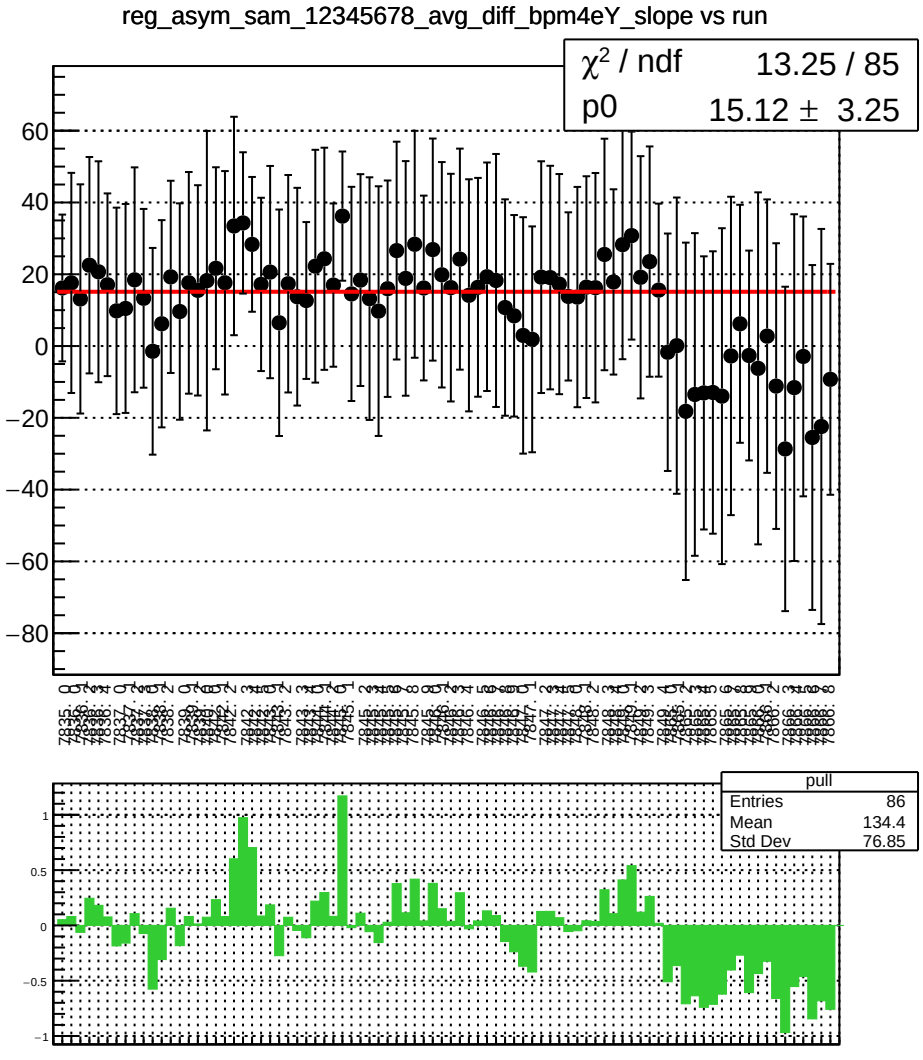

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.729 / 85
p0 −5.569 ± 1.164
pull
Entries 86
Mean 150.8
Std Dev 90.67
pull1D
Entries 86
Mean 0.03533
Std Dev 0.2977

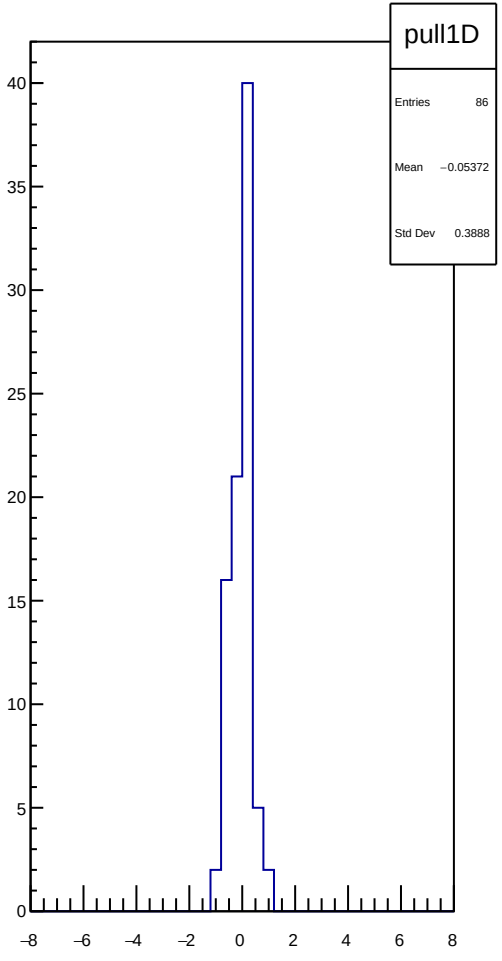

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 28.11 / 85
p0 0.2356 ± 0.03473
pull
Entries 86
Mean 199.6
Std Dev 146
pull1D
Entries 86
Mean 0.06089
Std Dev 0.5684

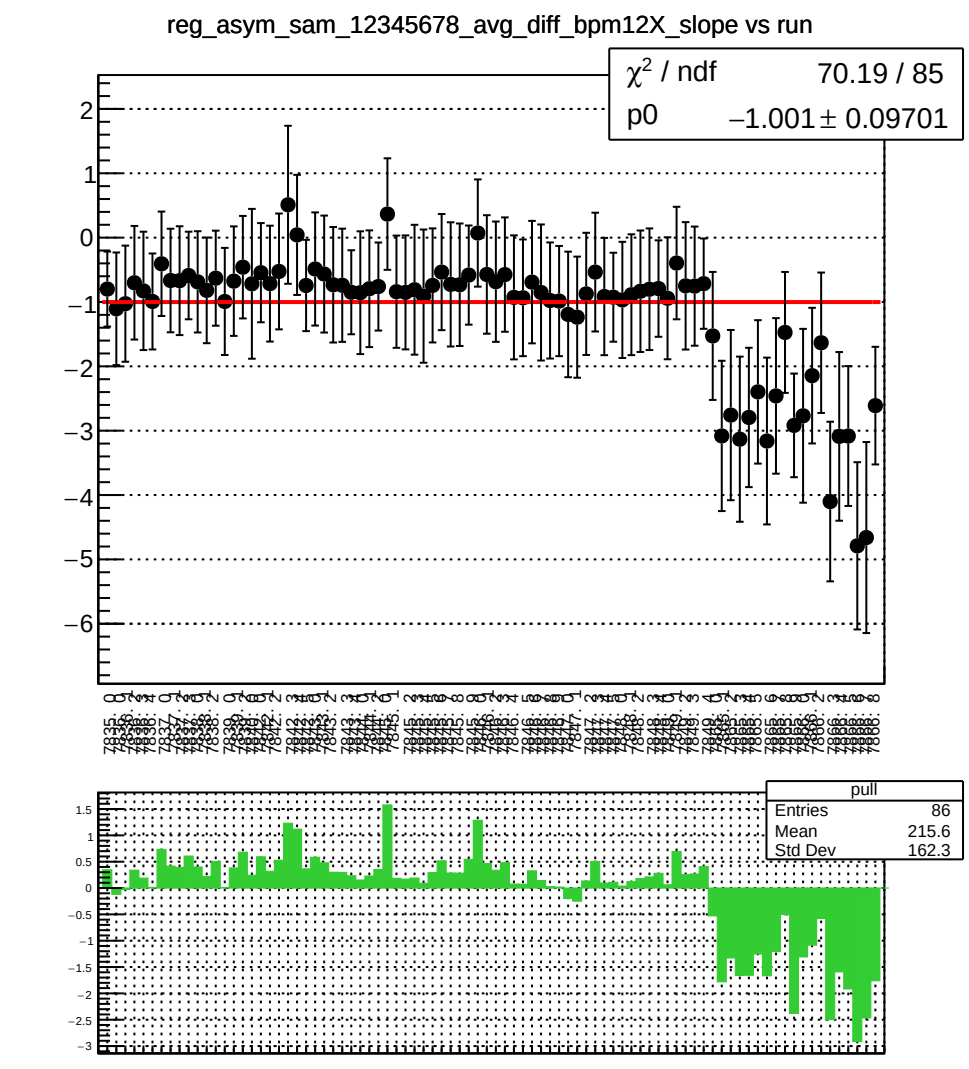

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 208.7 / 85
p0 −31.59 ± 2.399
0
−50
−100
−150
−200
−250
pull
Entries 86
Mean 76.49
Std Dev 9.84
6
4
2
0
−2
−4
pull1D
Entries 86
Mean −0.5466
Std Dev 1.459
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

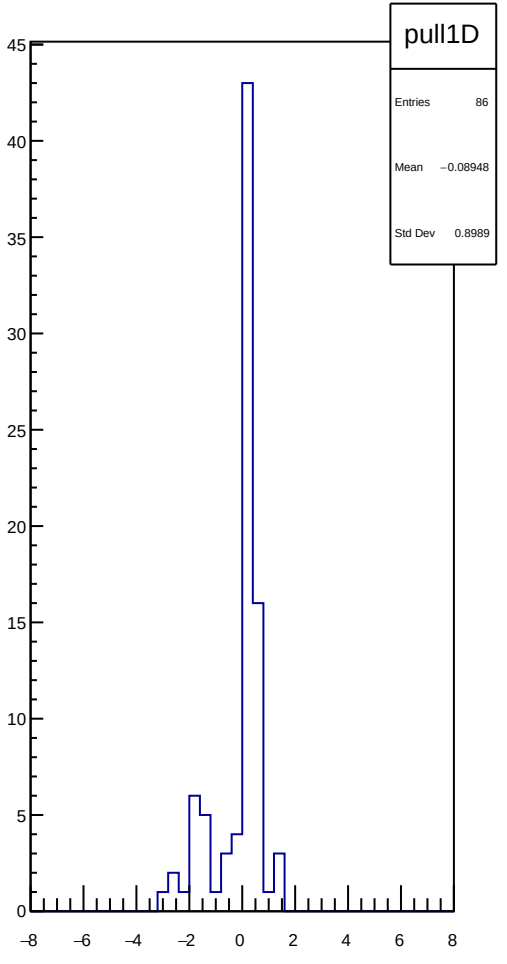

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.67 / 85
p0 16.54 ± 2.824
pull
Entries 86
Mean 120
Std Dev 63.55
pull1D
Entries 86
Mean 0.06925
Std Dev 0.4072

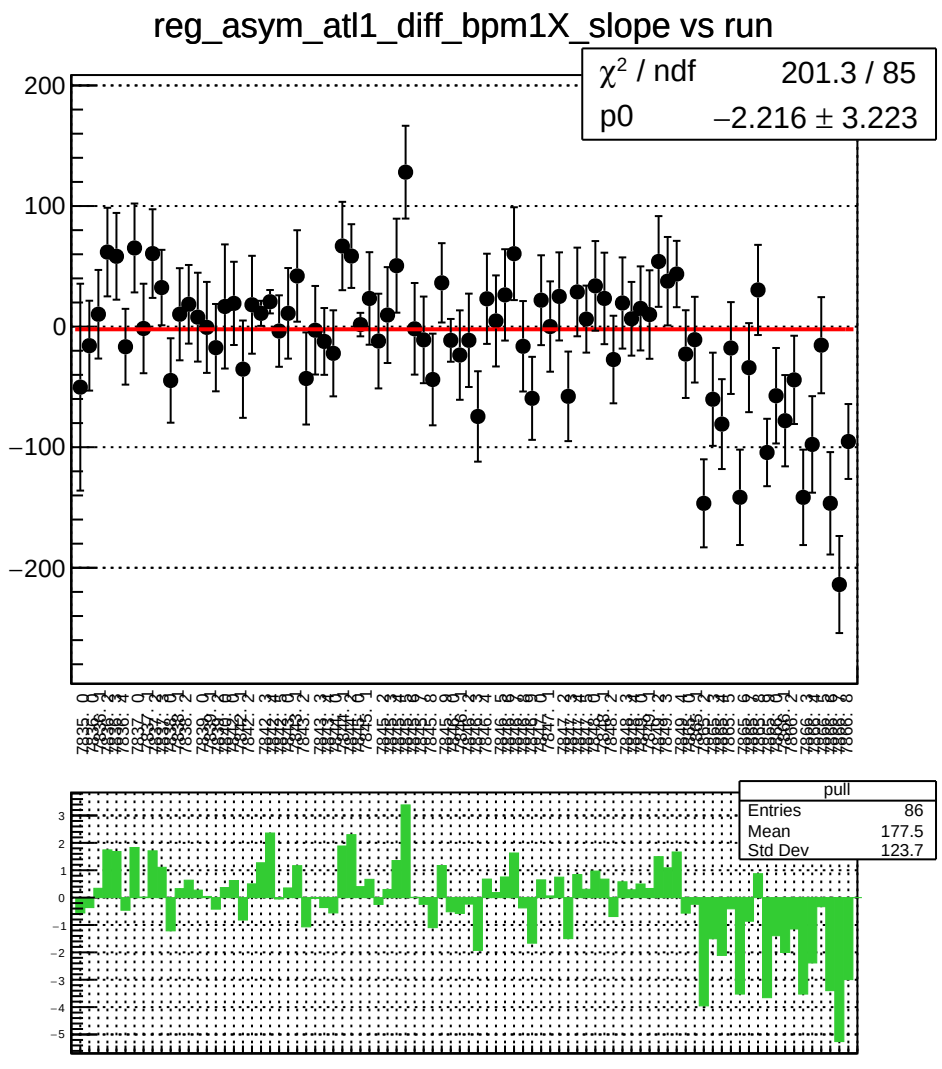

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 219.8 / 85
p0 −42.68 ± 2.101
150
100
50
0
−50
−100
pull
Entries 86
Mean 70.38
Std Dev 19.32
4
2
0
−2
−4
−6
pull1D
Entries 86
Mean 0.634
Std Dev 1.468
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

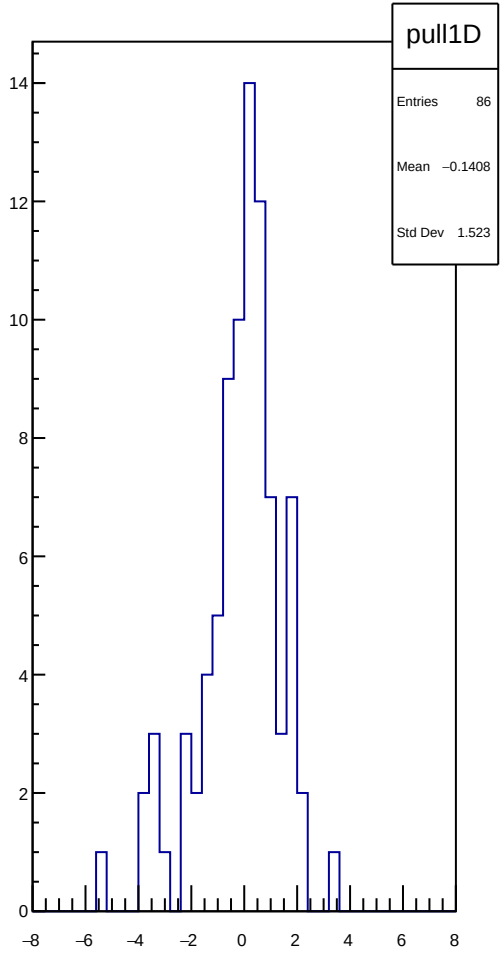

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.25 / 85
p0 15.12 ± 3.25
pull
Entries 86
Mean 134.4
Std Dev 76.85

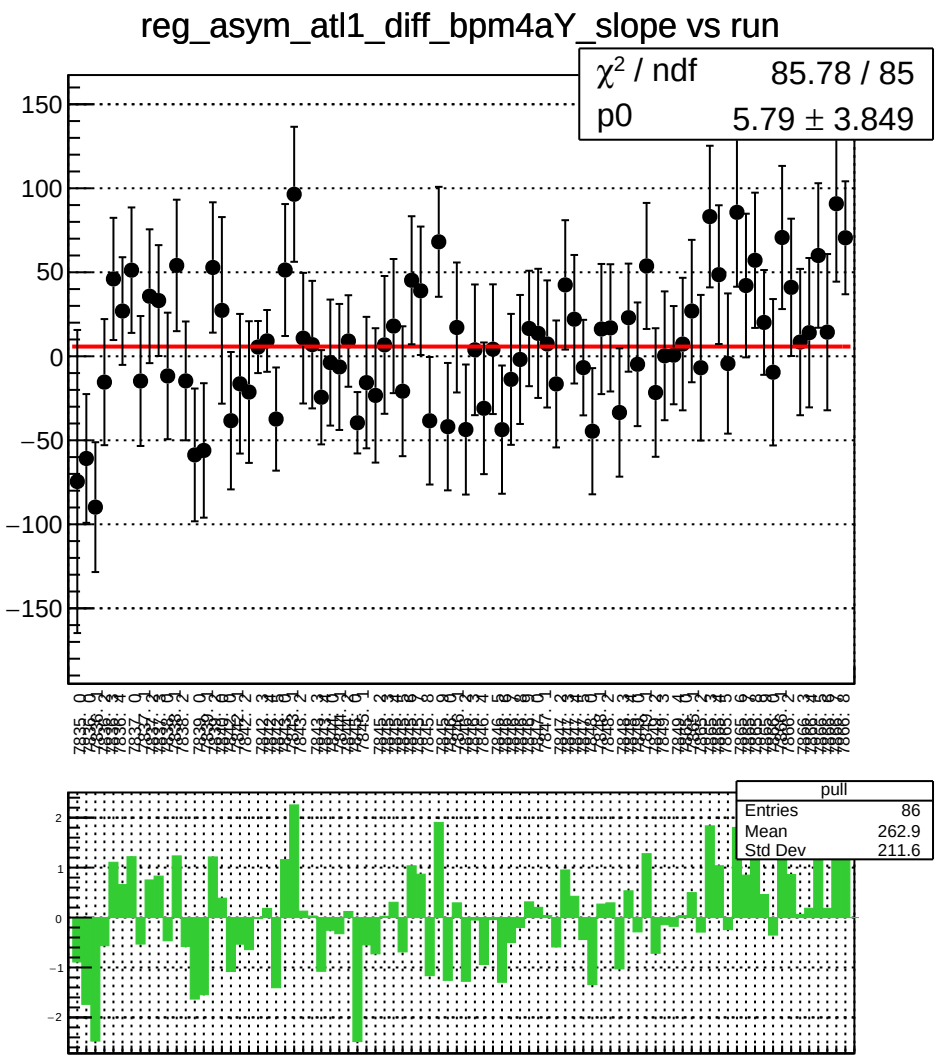

pull1D
Entries 86
Mean −0.05372
Std Dev 0.3888

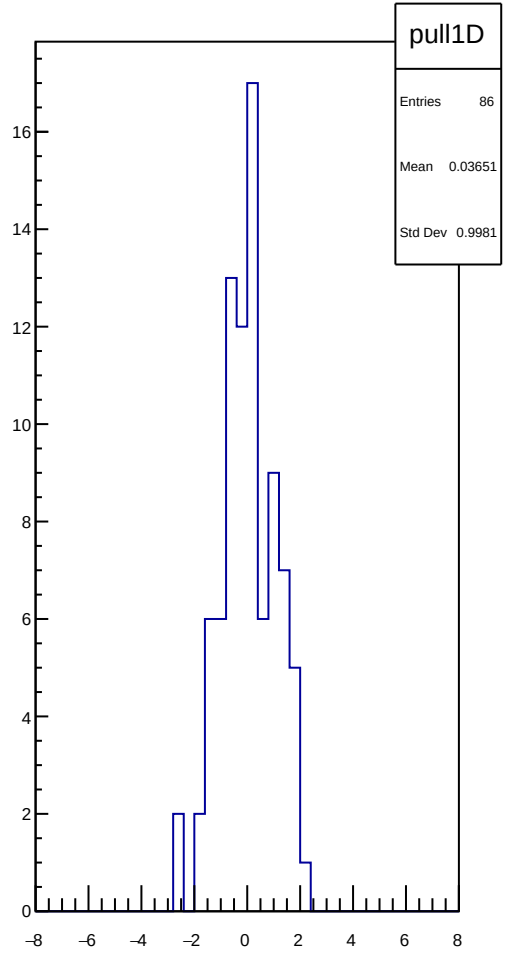

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 70.19 / 85
p0 −1.001 ± 0.09701
pull
Entries 86
Mean 215.6
Std Dev 162.3

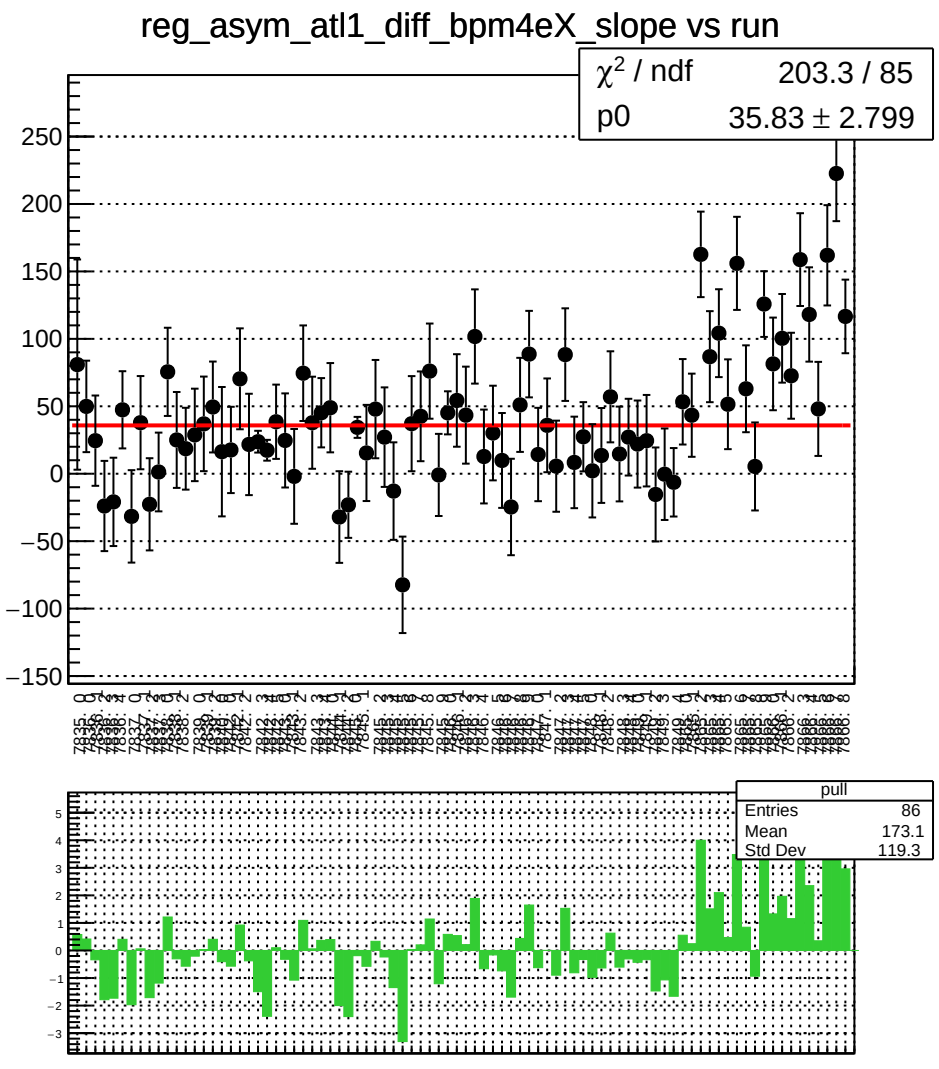

pull1D
Entries 86
Mean −0.08948
Std Dev 0.8989

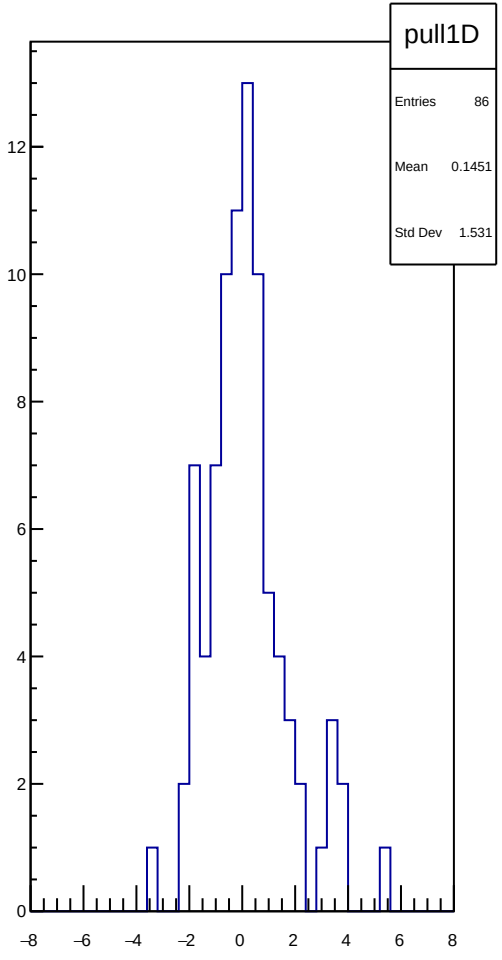

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 201.3 / 85
p0 −2.216 ± 3.223
200
100
0
−100
−200
pull
Entries 86
Mean 177.5
Std Dev 123.7
3
2
1
0
−1
−2
−3
−4
−5

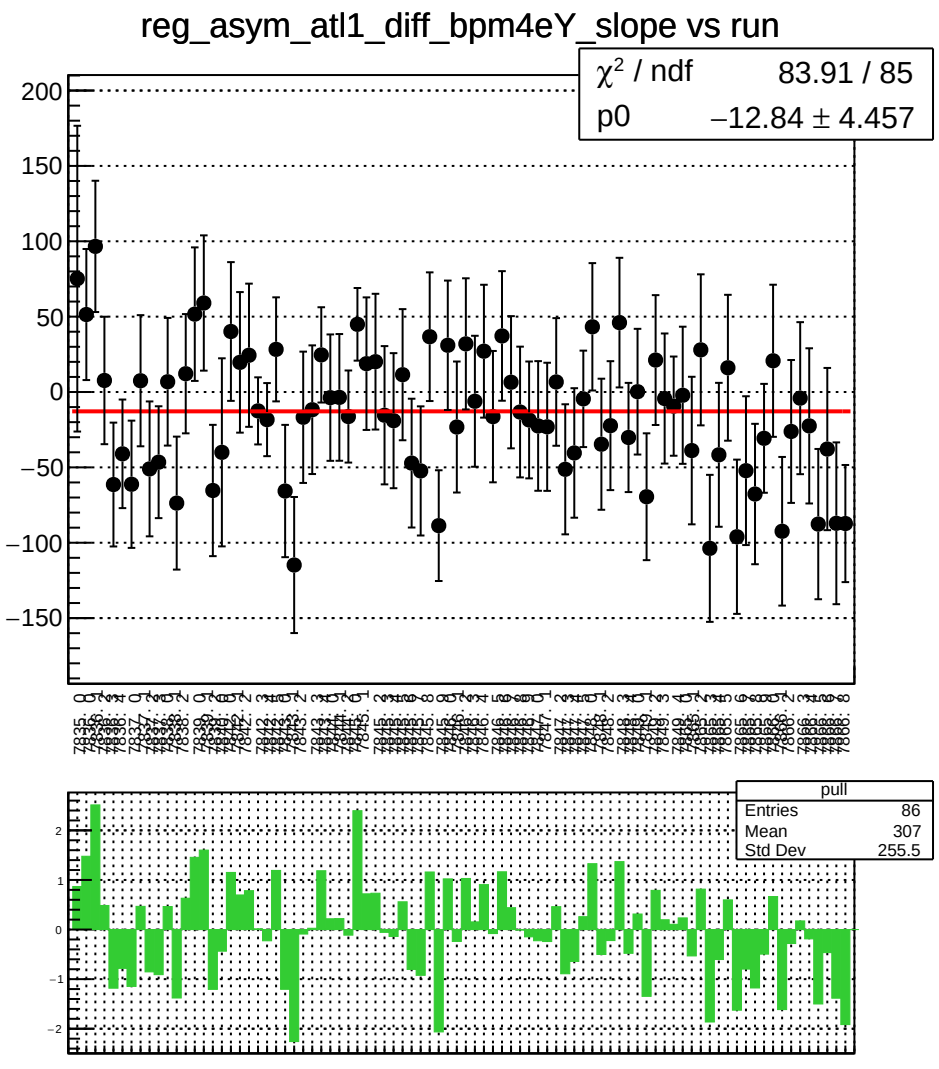

pull1D
Entries 86
Mean −0.1408
Std Dev 1.523
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

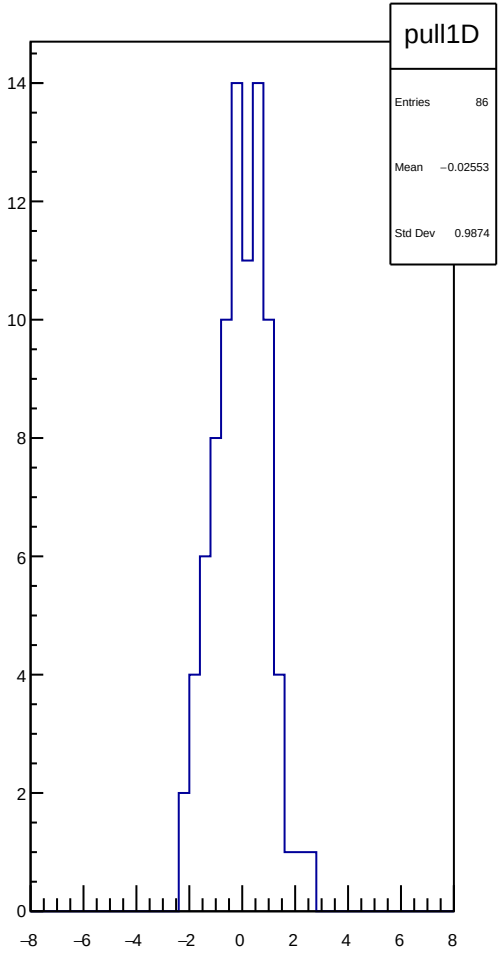

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 85.78 / 85
p0 5.79 ± 3.849
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 262.9
Std Dev 211.6
2
1
0
−1
−2

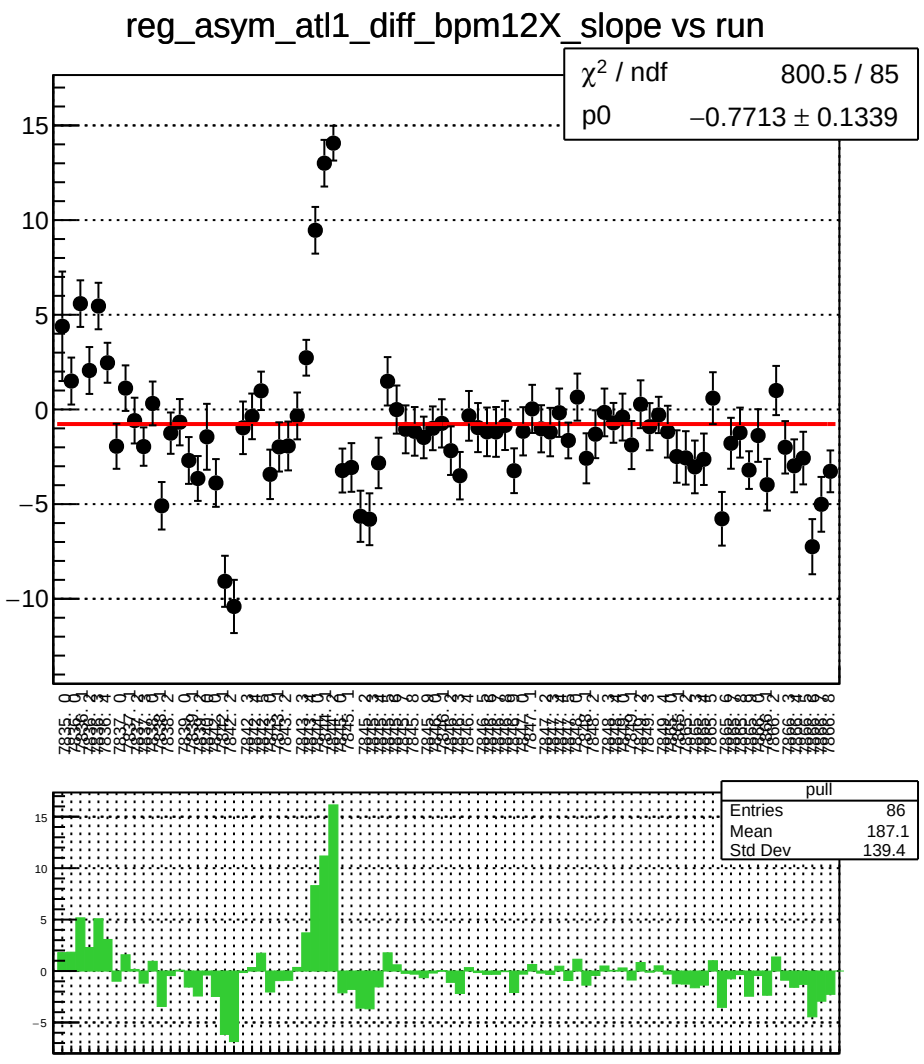

pull1D
Entries 86
Mean 0.03651
Std Dev 0.9981
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

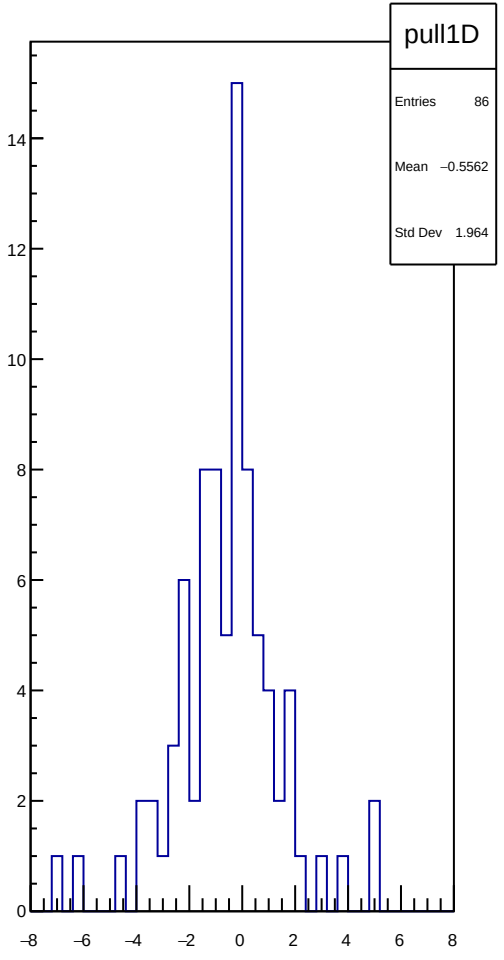

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 203.3 / 85
p0 35.83 ± 2.799
pull
Entries 86
Mean 173.1
Std Dev 119.3

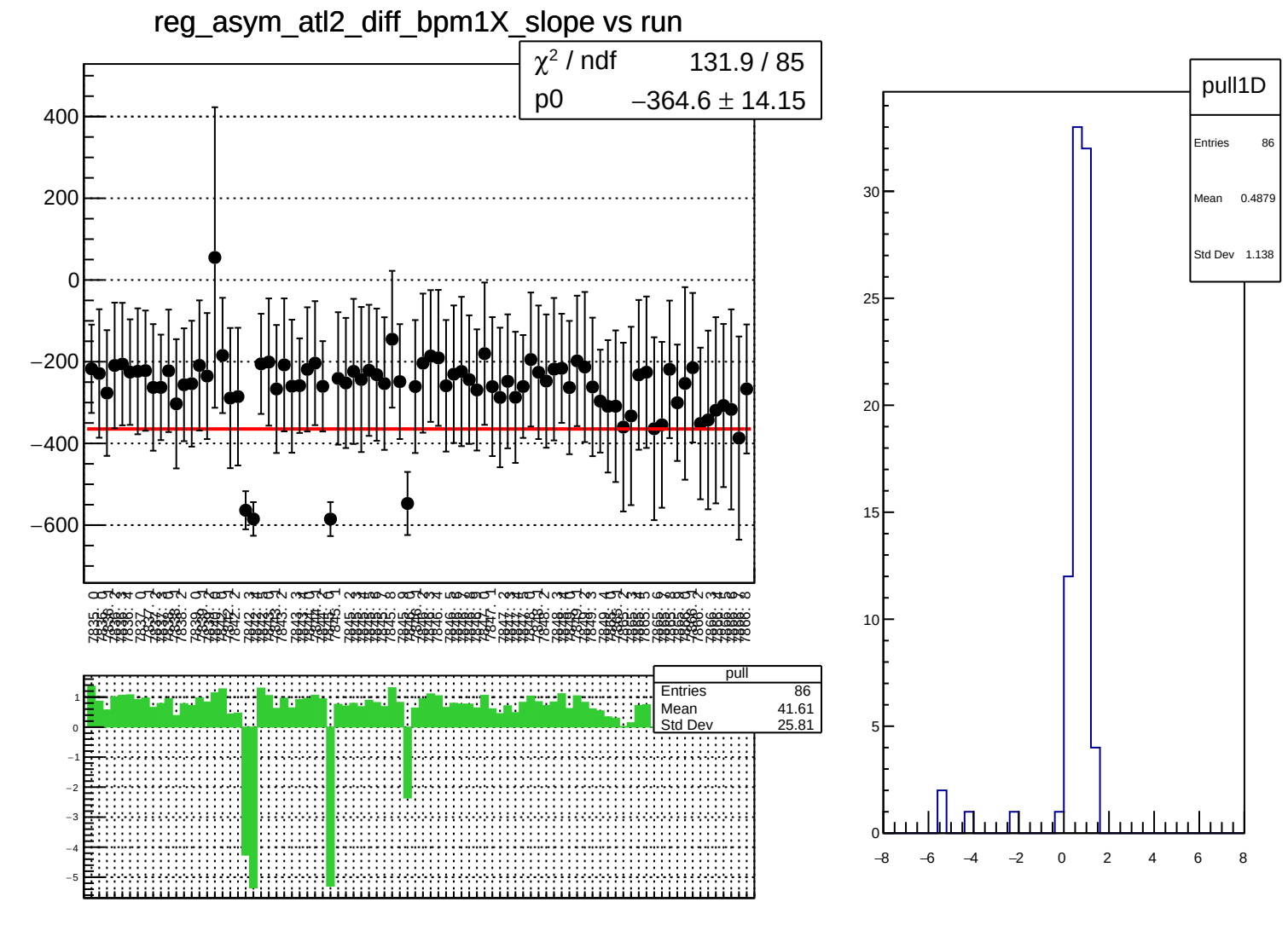

pull1D
Entries 86
Mean 0.1451
Std Dev 1.531

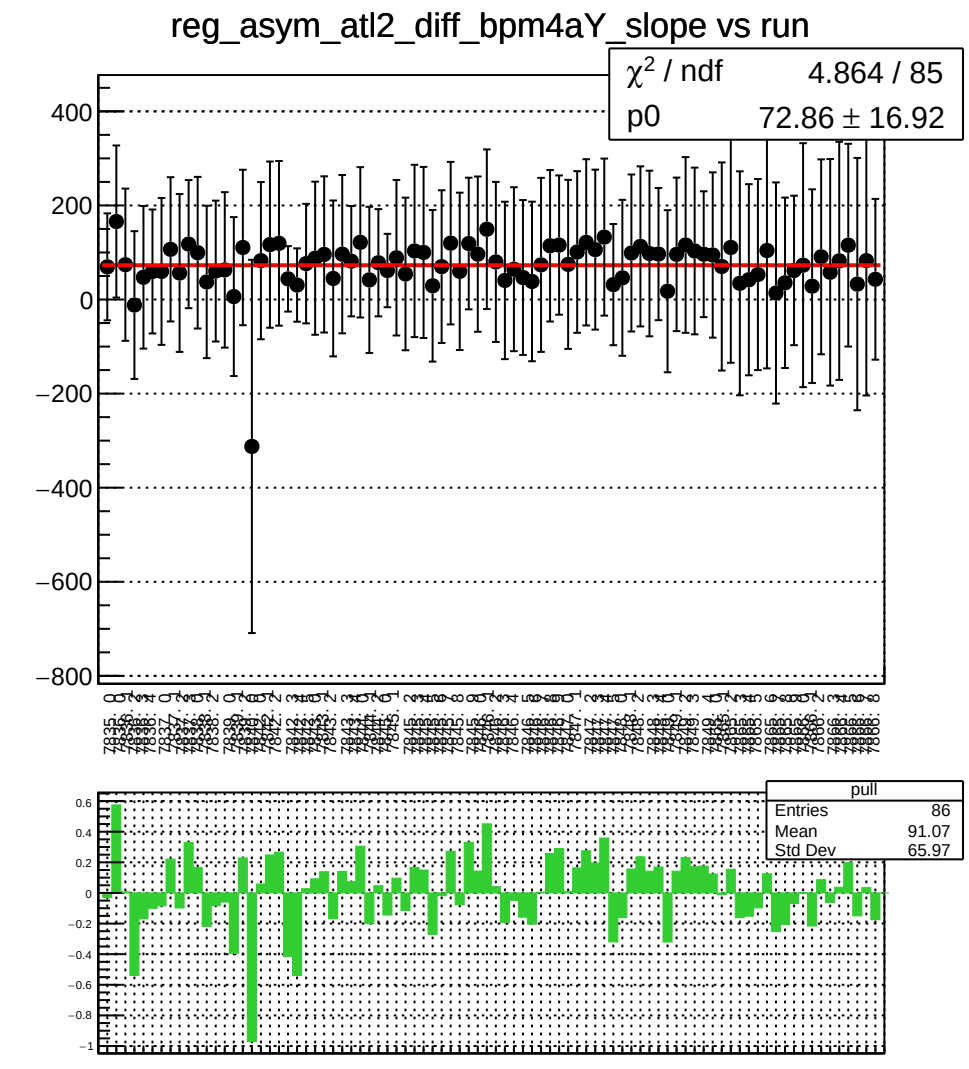

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 83.91 / 85
p0 −12.84 ± 4.457
pull
Entries 86
Mean 307
Std Dev 255.5

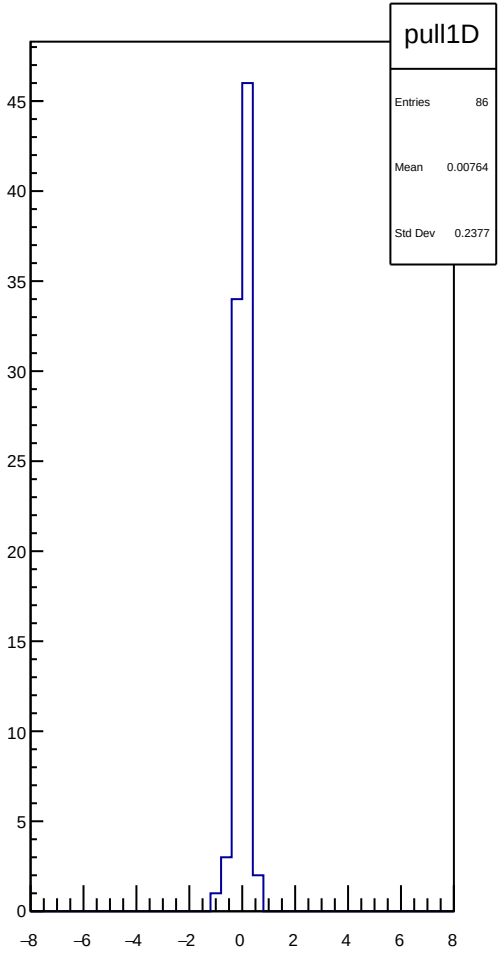

pull1D
Entries 86
Mean −0.02553
Std Dev 0.9874

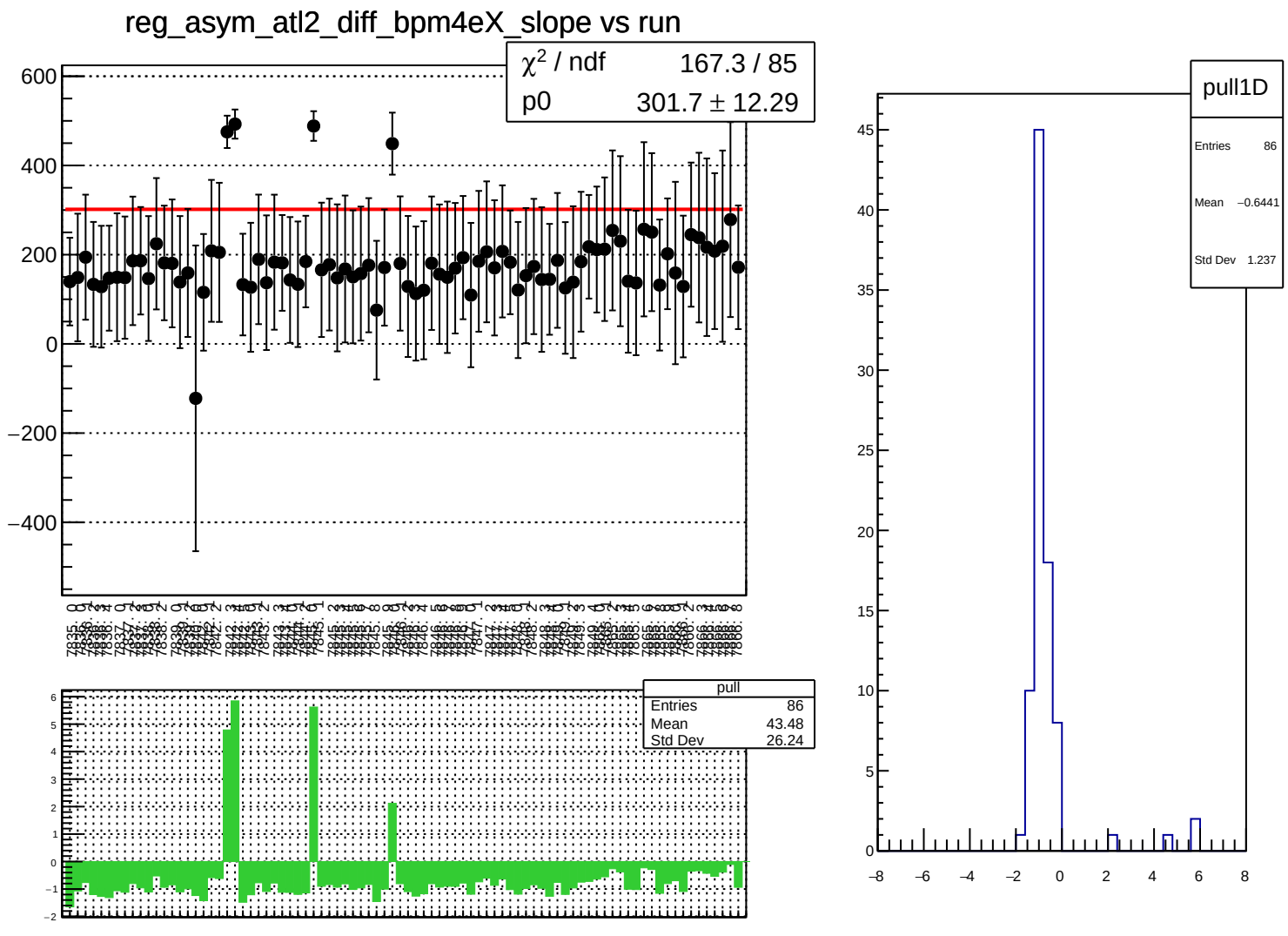

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 800.5 / 85
p0 −0.7713 ± 0.1339
pull
Entries 86
Mean 187.1
Std Dev 139.4

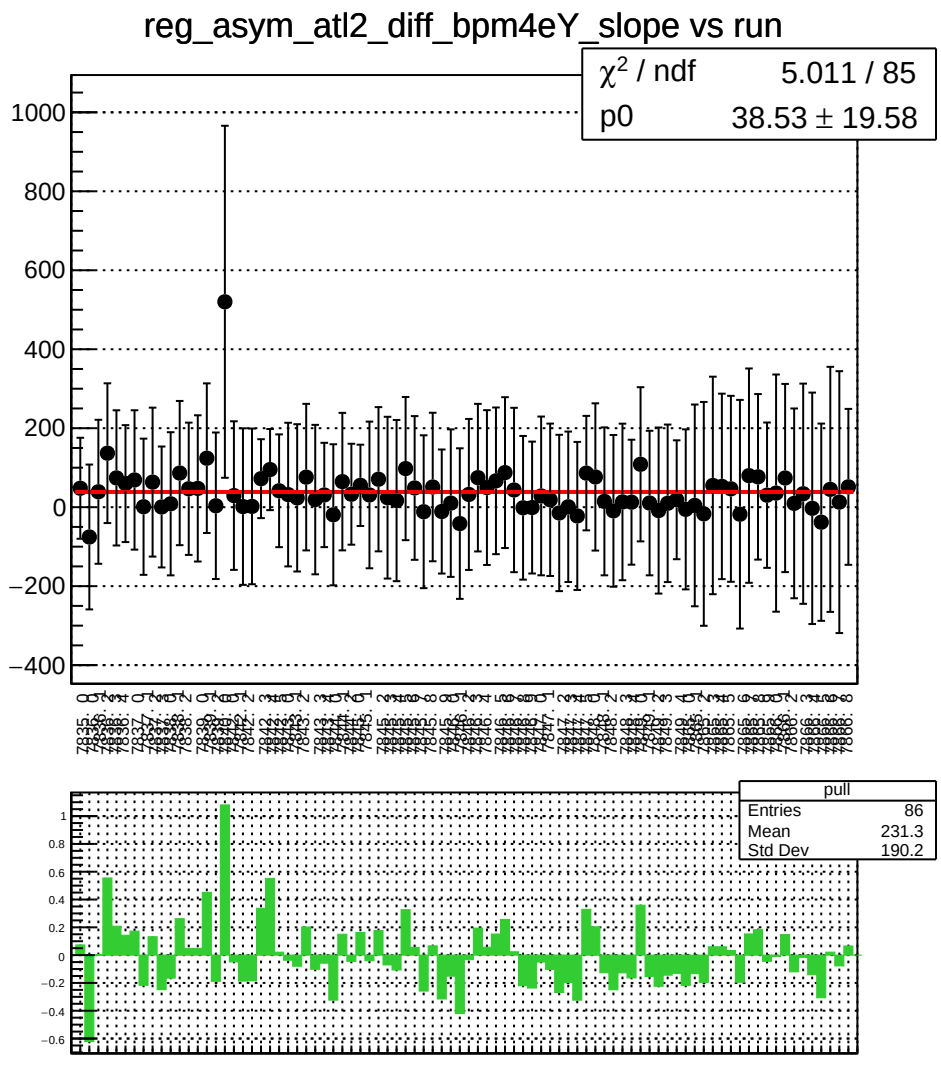

pull1D
Entries 86
Mean −0.5562
Std Dev 1.964

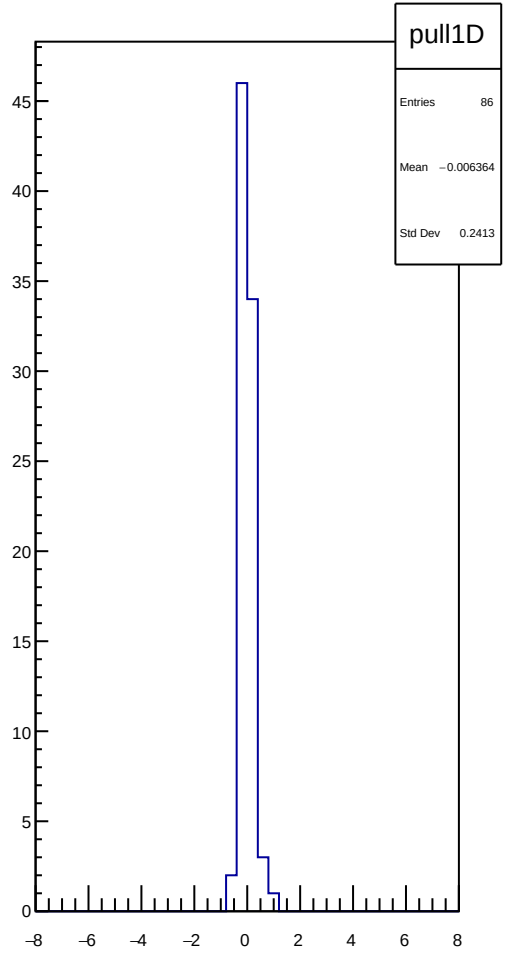

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 131.9 / 85
p0 −364.6 ± 14.15
400
200
0
−200
−400
−600
pull
Entries 86
Mean 41.61
Std Dev 25.81
1
0
−1
−2
−3
−4
−5
pull1D
Entries 86
Mean 0.4879
Std Dev 1.138
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

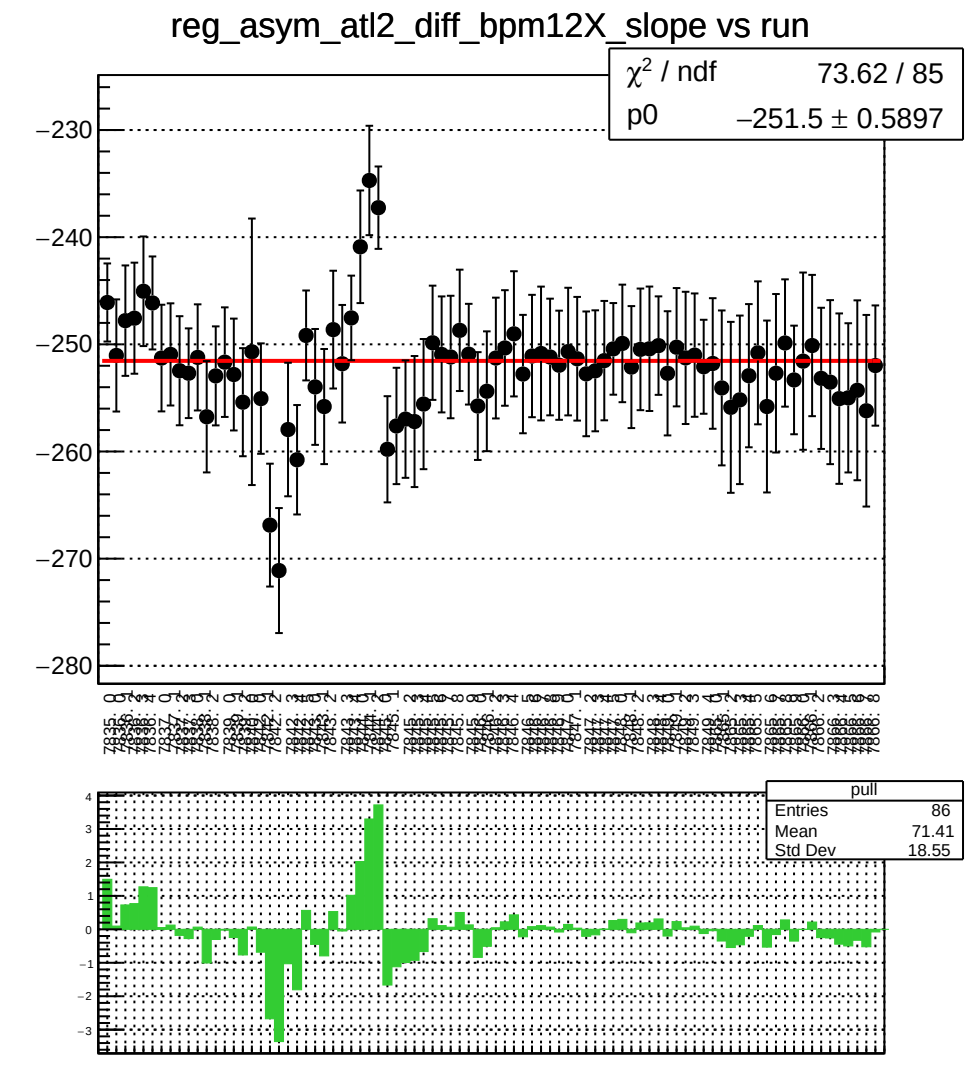

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 4.864 / 85
p0 72.86 ± 16.92
pull
Entries 86
Mean 91.07
Std Dev 65.97

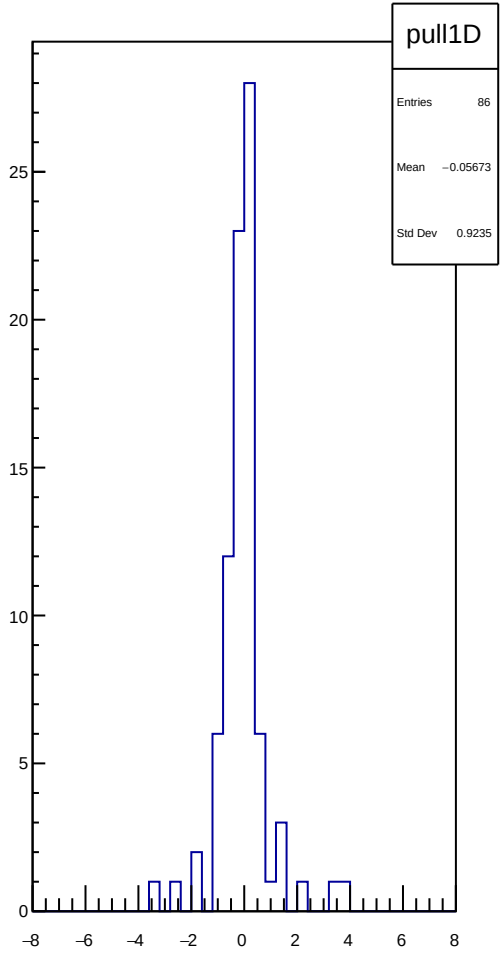

pull1D
Entries 86
Mean 0.00764
Std Dev 0.2377

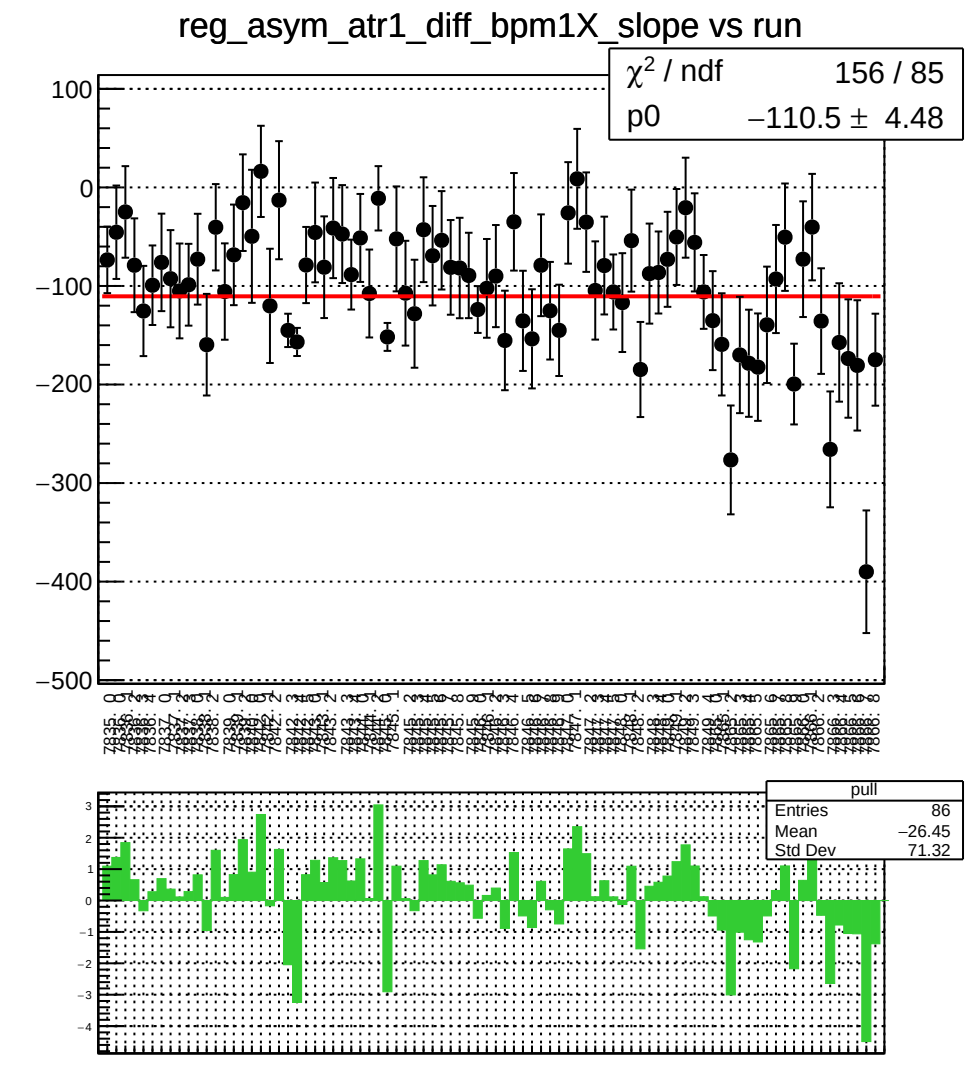

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 167.3 / 85
p0 301.7 ± 12.29
pull
Entries 86
Mean 43.48
Std Dev 26.24
pull1D
Entries 86
Mean −0.6441
Std Dev 1.237

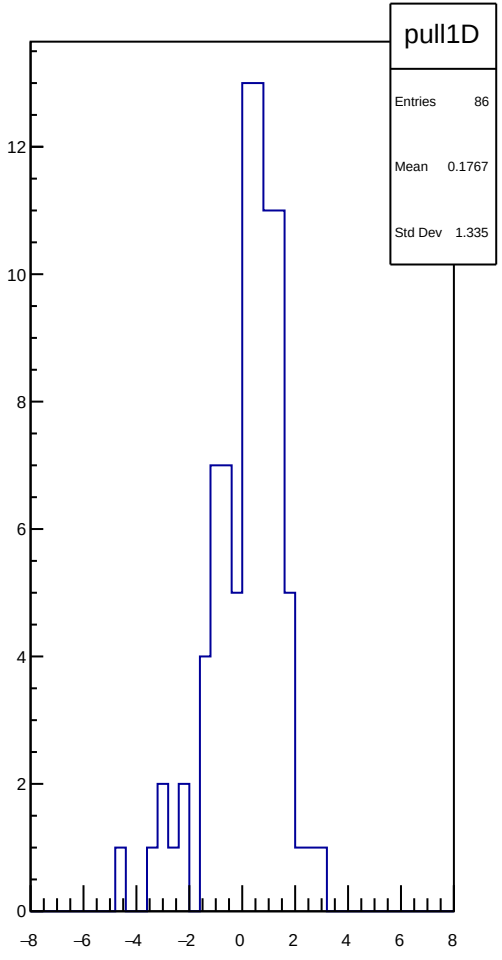

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.011 / 85
p0 38.53 ± 19.58
pull
Entries 86
Mean 231.3
Std Dev 190.2

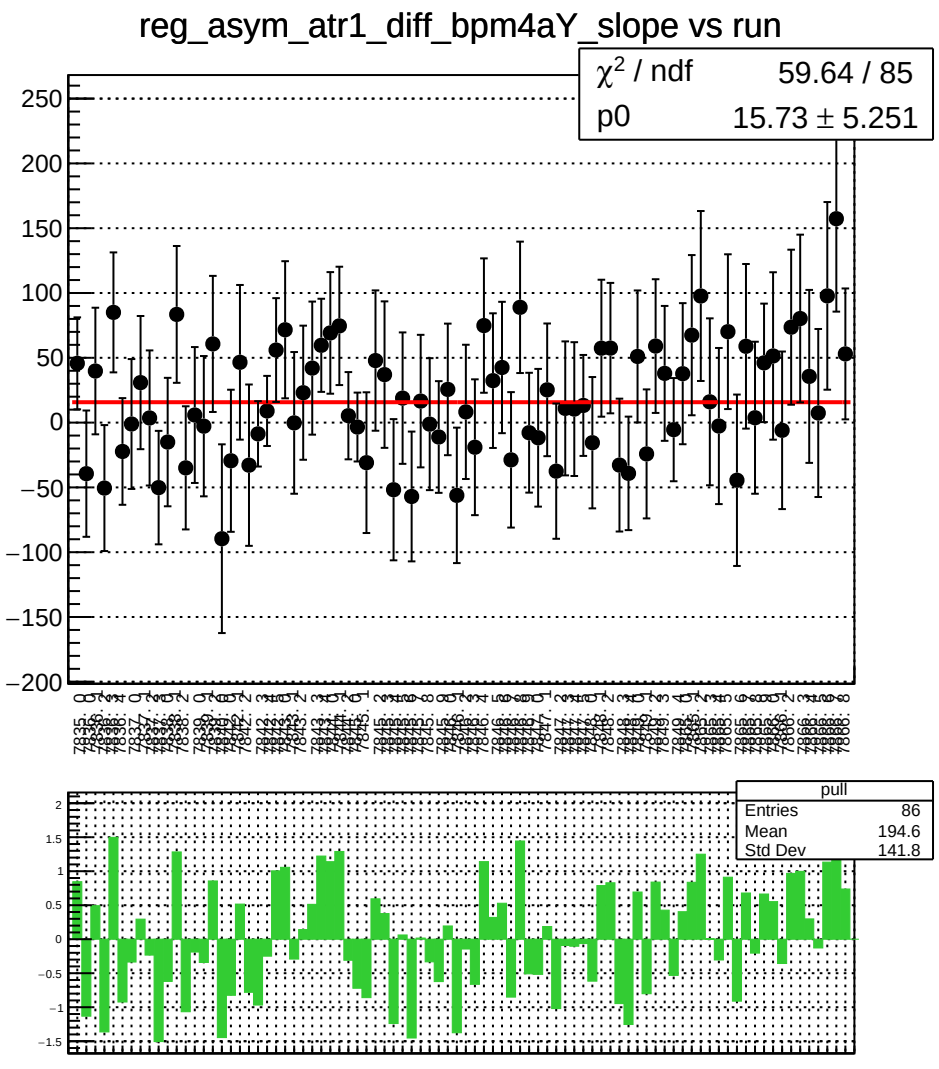

pull1D
Entries 86
Mean −0.006364
Std Dev 0.2413

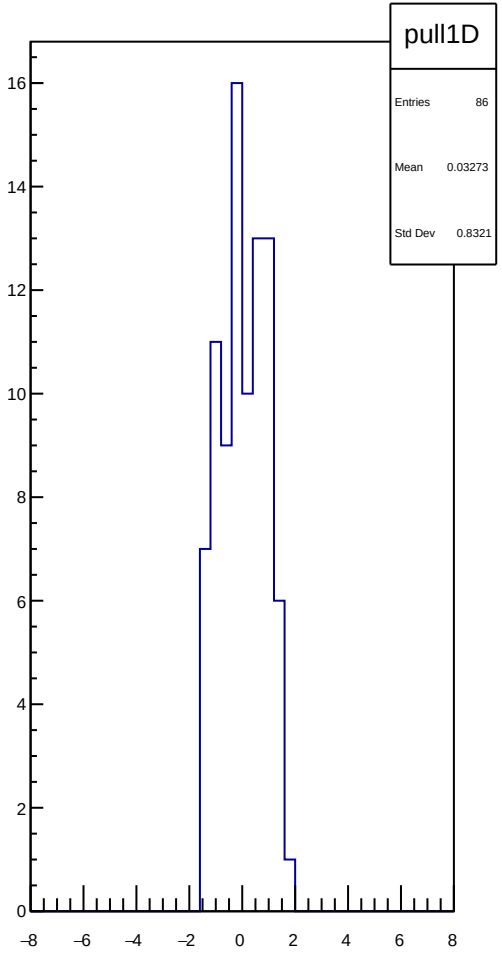

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 73.62 / 85
p0 −251.5 ± 0.5897
pull
Entries 86
Mean 71.41
Std Dev 18.55

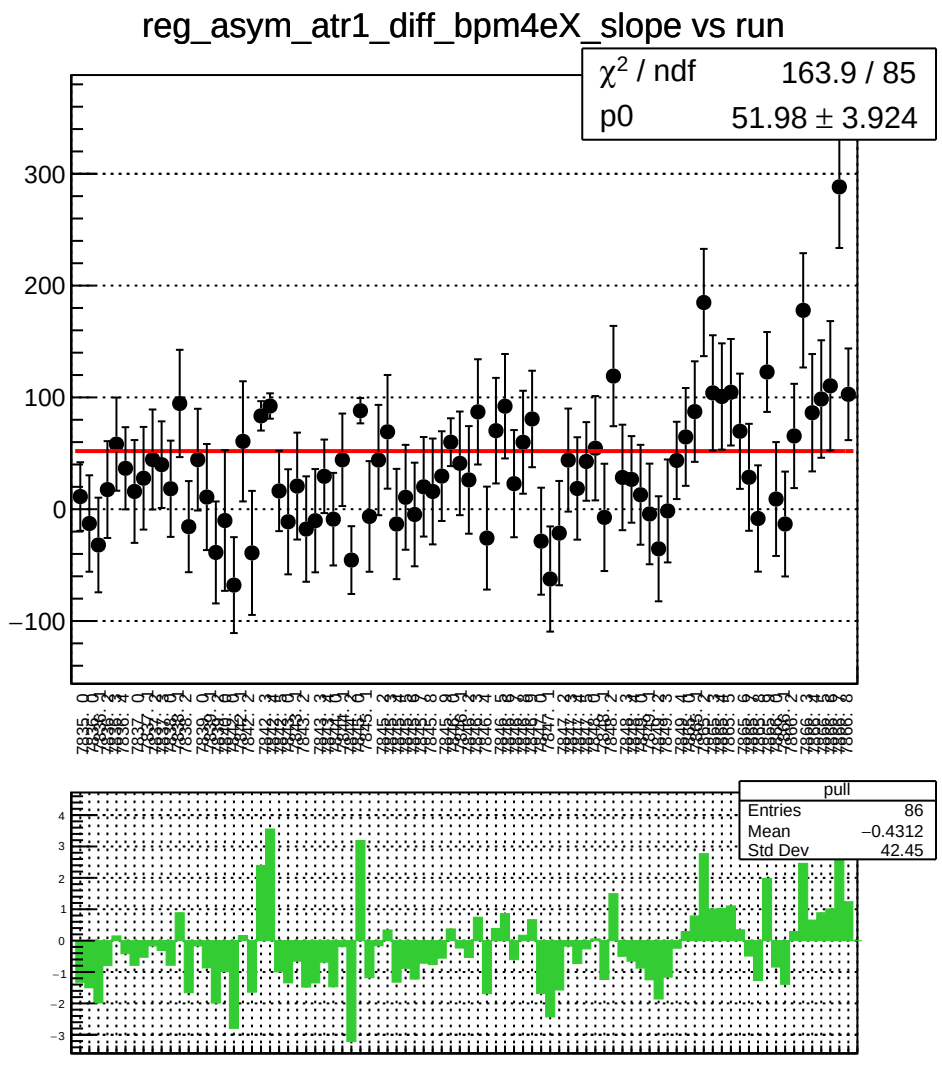

pull1D
Entries 86
Mean −0.05673
Std Dev 0.9235

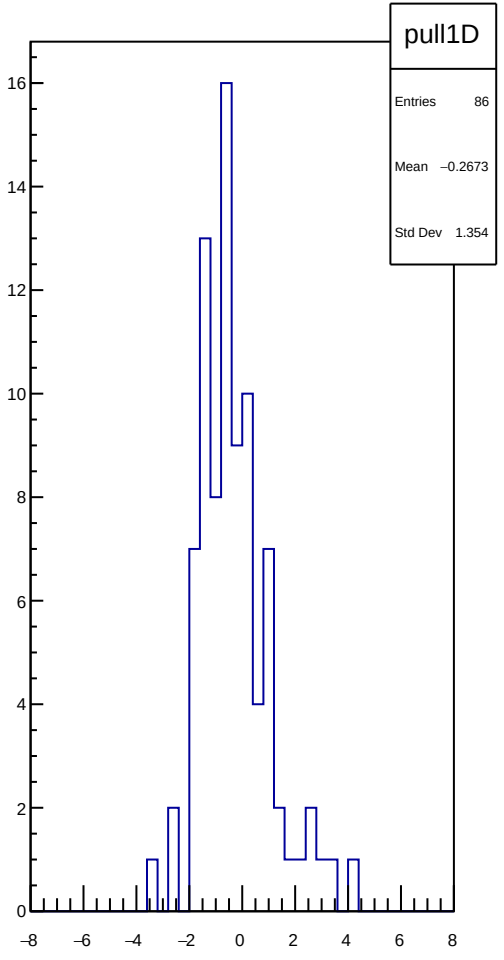

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 156 / 85
p0 −110.5 ± 4.48
pull
Entries 86
Mean −26.45
Std Dev 71.32

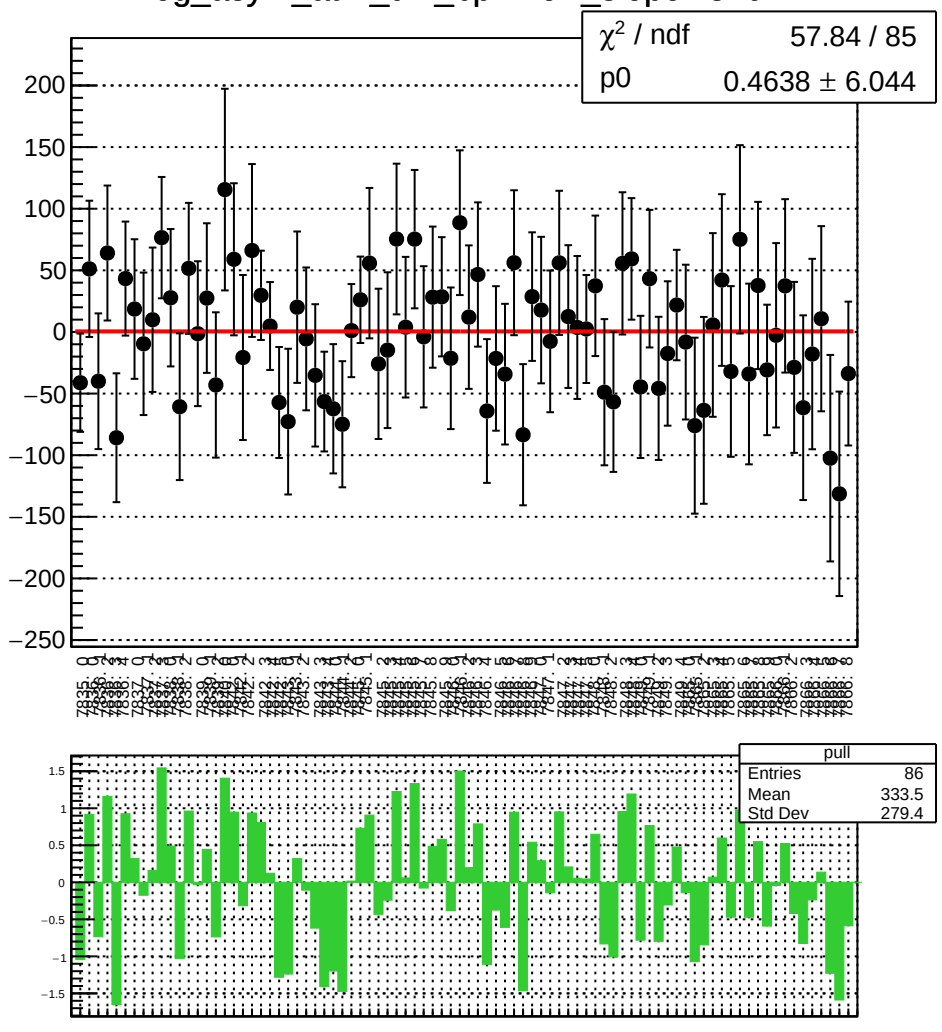

pull1D
Entries 86
Mean 0.1767
Std Dev 1.335

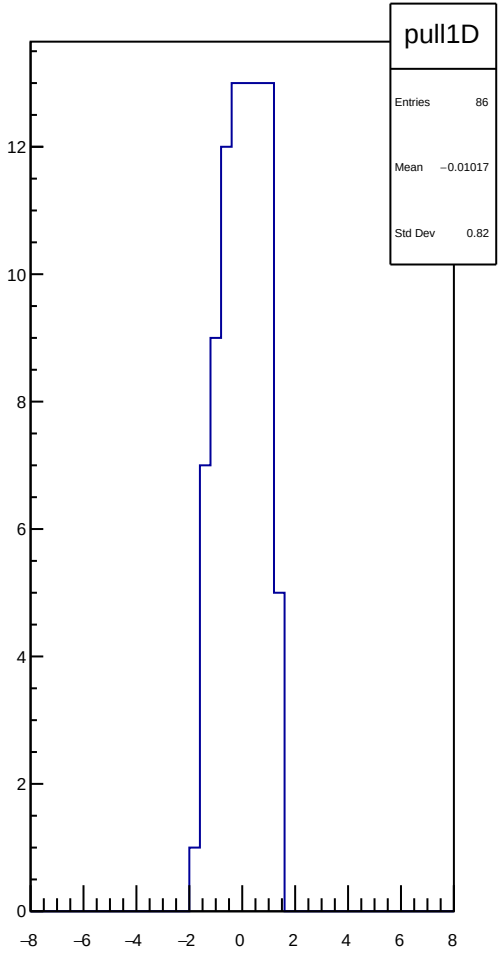

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 59.64 / 85
p0 15.73 ± 5.251
pull
Entries 86
Mean 194.6
Std Dev 141.8

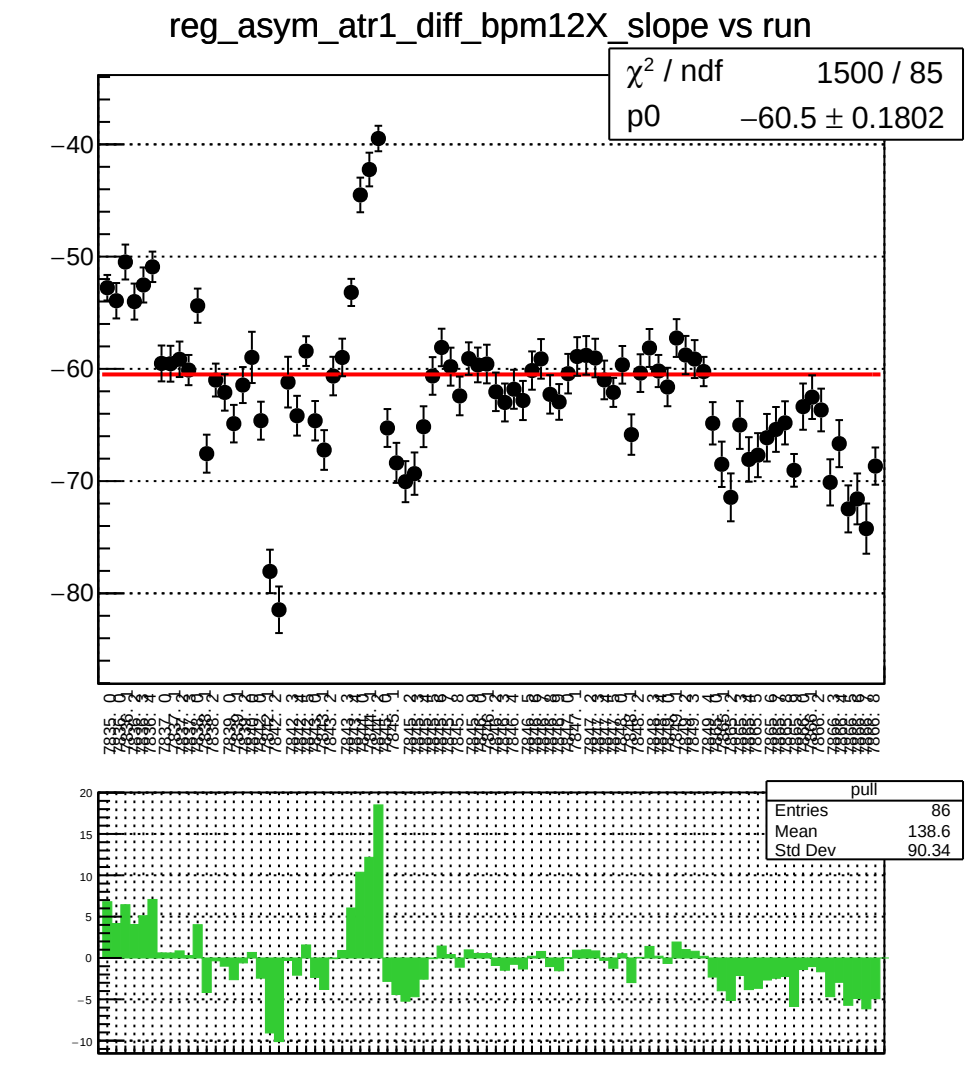

pull1D
Entries 86
Mean 0.03273
Std Dev 0.8321

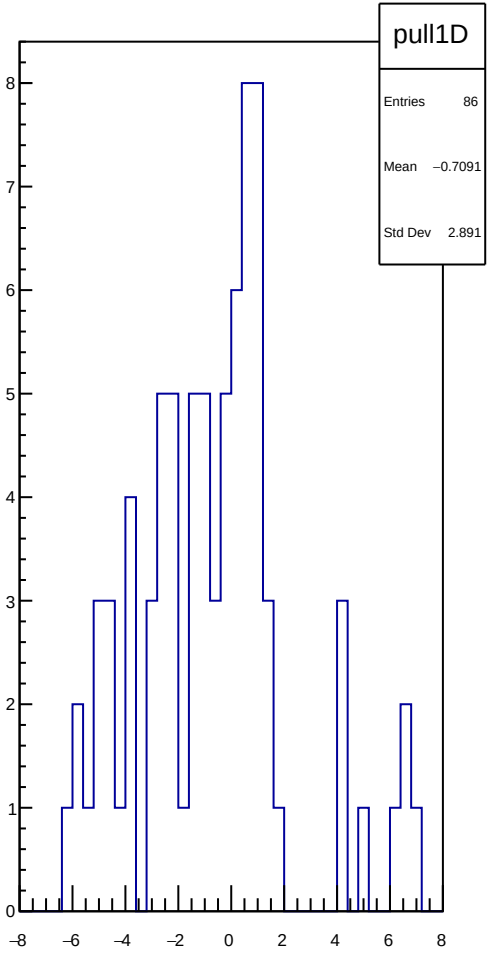

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 163.9 / 85
p0 51.98 ± 3.924
300
200
100
0
−100
pull
Entries 86
Mean −0.4312
Std Dev 42.45
4
3
2
1
0
−1
−2
−3

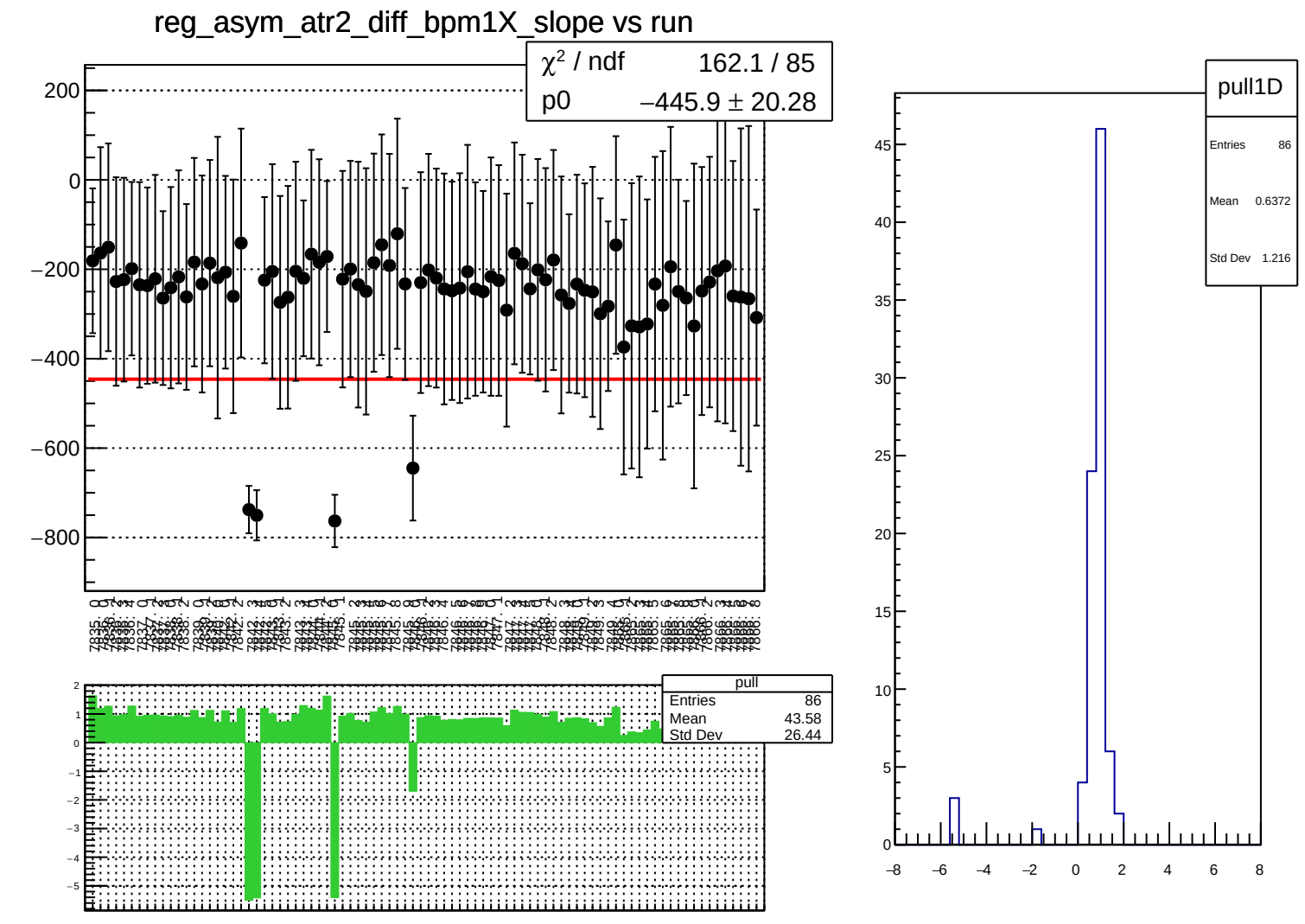

pull1D
Entries 86
Mean −0.2673
Std Dev 1.354
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

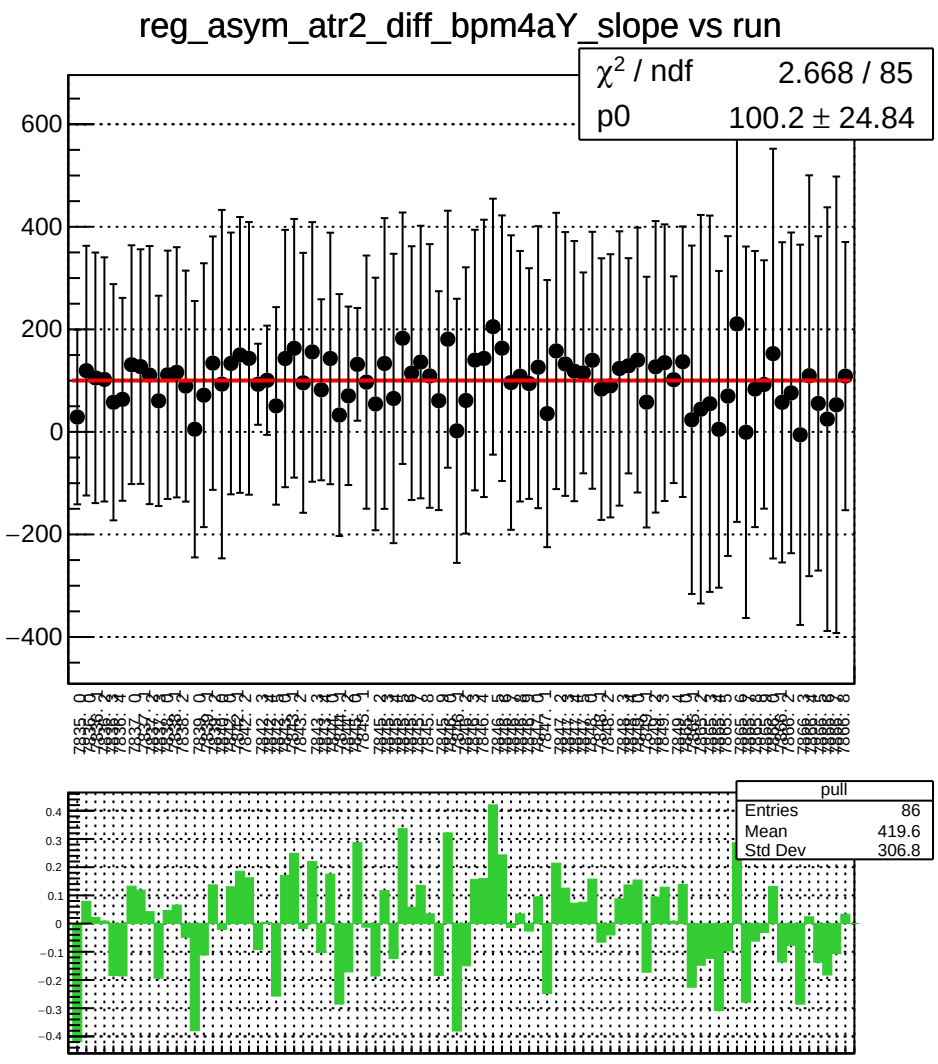

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 57.84 / 85
p0 0.4638 ± 6.044
pull
Entries 86
Mean 333.5
Std Dev 279.4

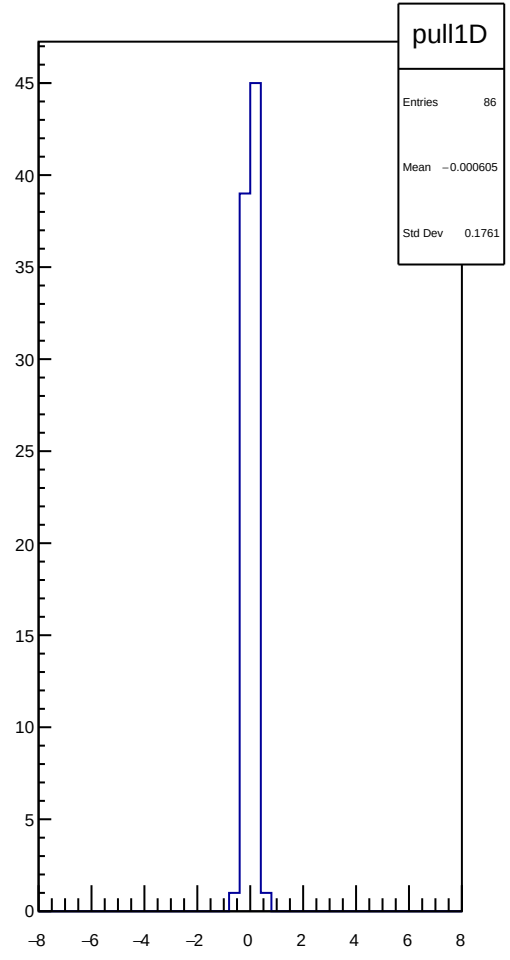

pull1D
Entries 86
Mean −0.01017
Std Dev 0.82

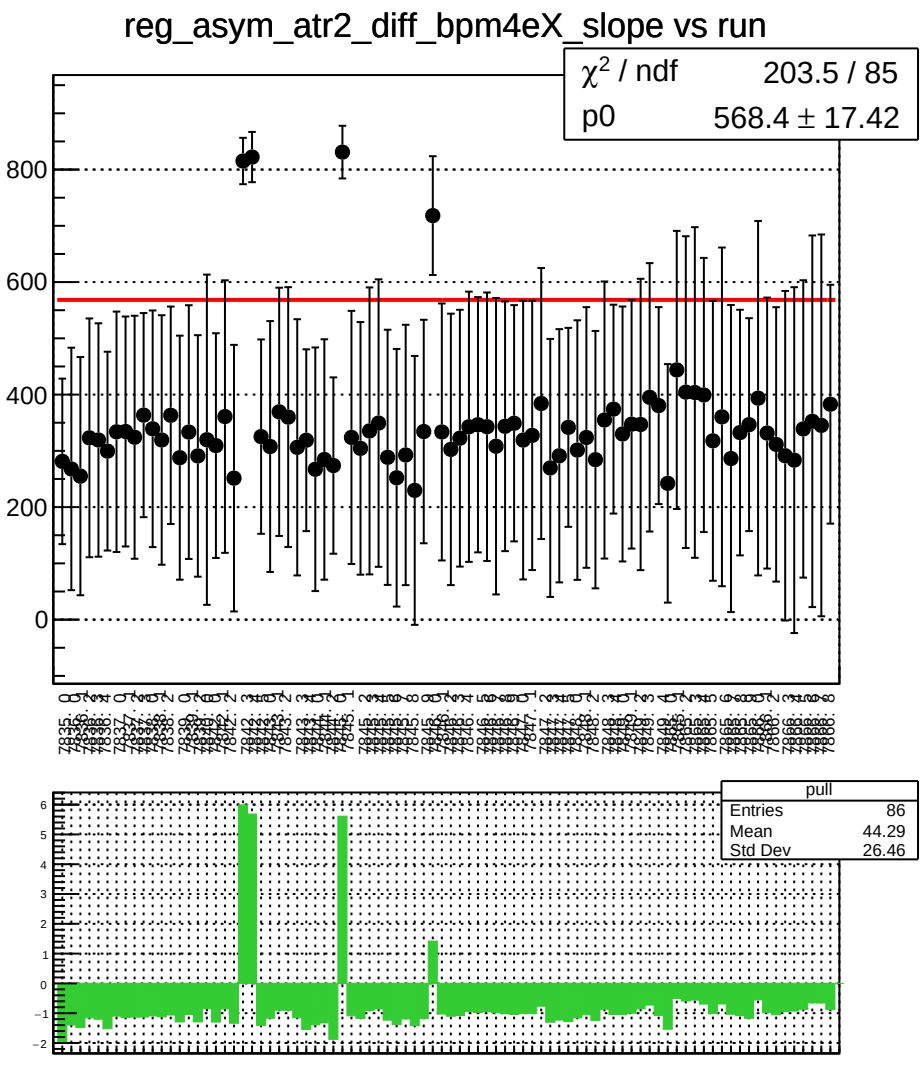

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 1500 / 85
p0 −60.5 ± 0.1802
−40
−50
−60
−70
−80
pull
Entries 86
Mean 138.6
Std Dev 90.34
20
15
10
5
0
−5
−10

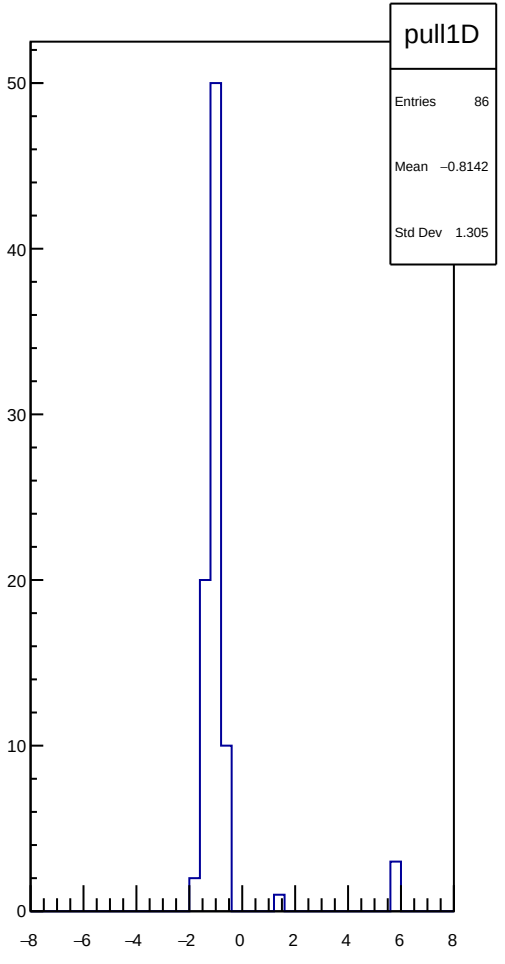

pull1D
Entries 86
Mean −0.7091
Std Dev 2.891
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

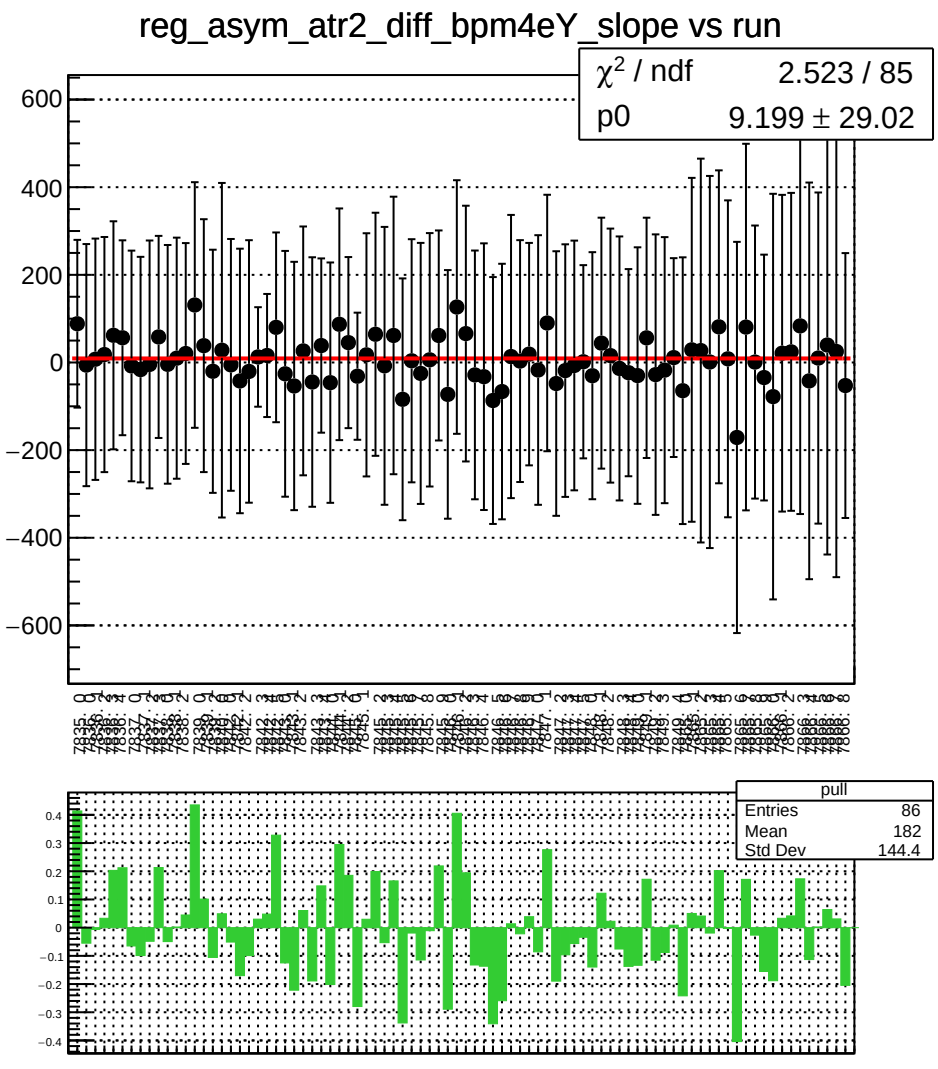

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 162.1 / 85
p0 −445.9 ± 20.28
200
0
−200
−400
−600
−800
pull
Entries 86
Mean 43.58
Std Dev 26.44
pull1D
Entries 86
Mean 0.6372
Std Dev 1.216
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

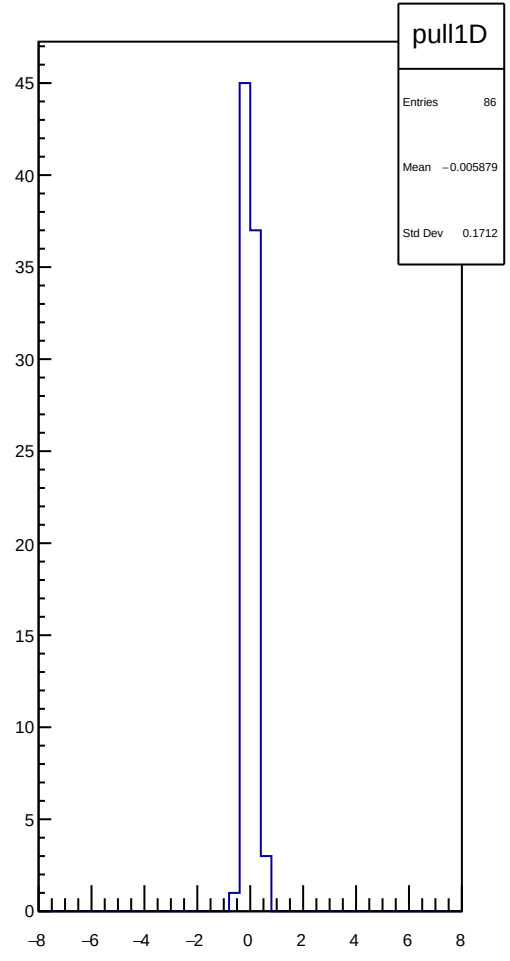

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 2.668 / 85
p0 100.2 ± 24.84
pull
Entries 86
Mean 419.6
Std Dev 306.8

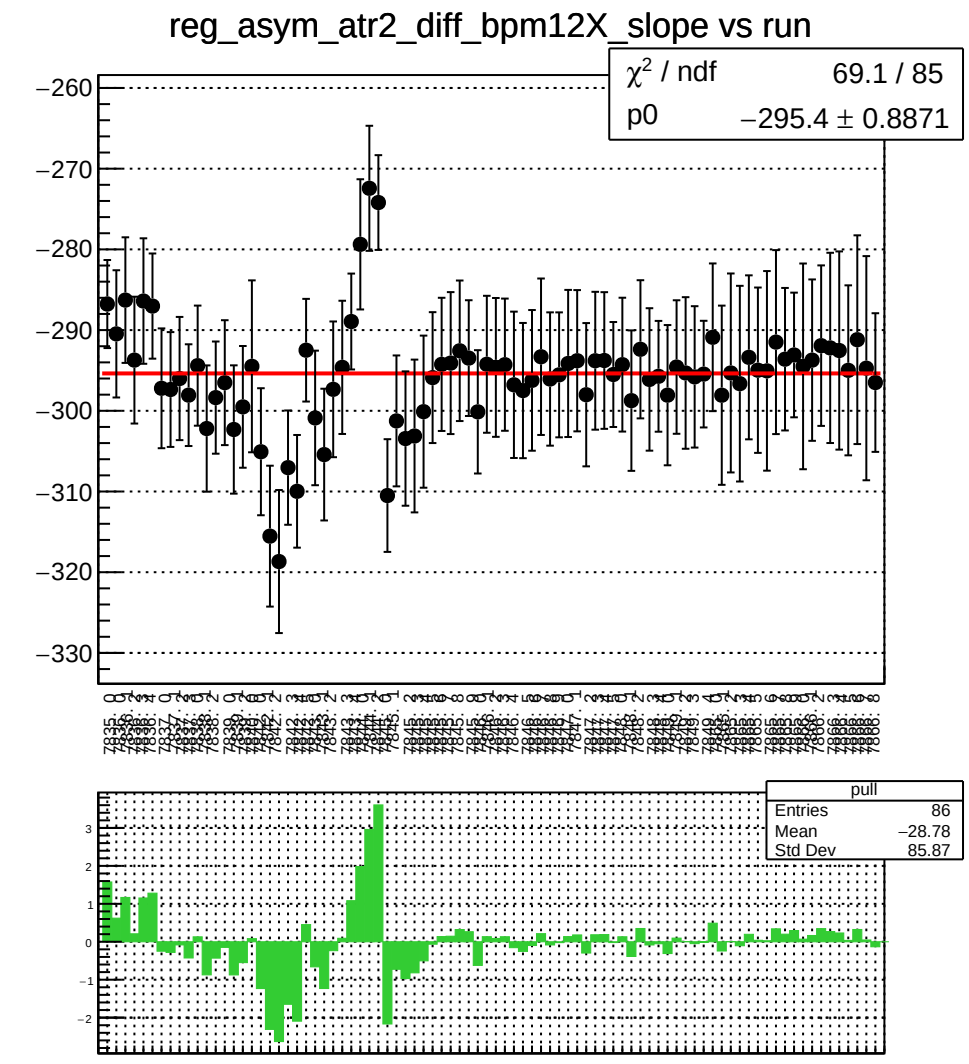

pull1D
Entries 86
Mean −0.000605
Std Dev 0.1761

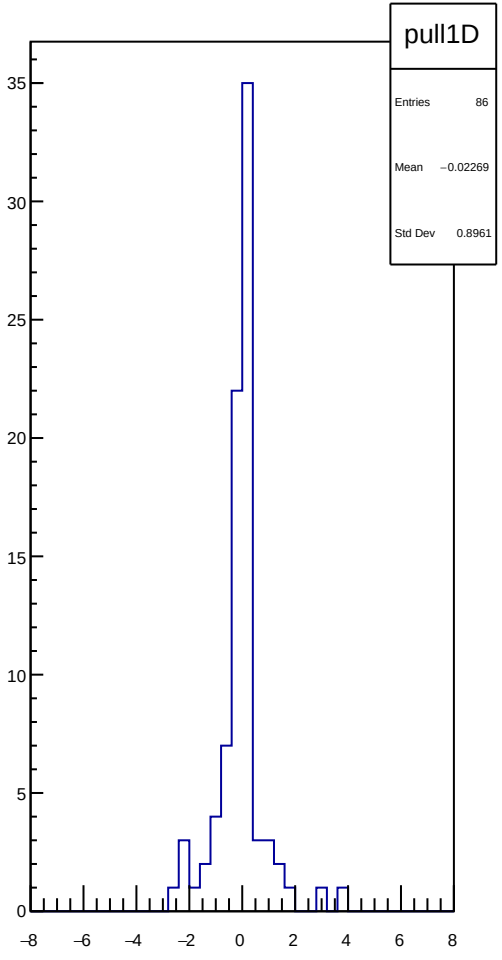

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 203.5 / 85
p0 568.4 ± 17.42
800
600
400
200
0
pull
Entries 86
Mean 44.29
Std Dev 26.46
6
5
4
3
2
1
0
−1
−2

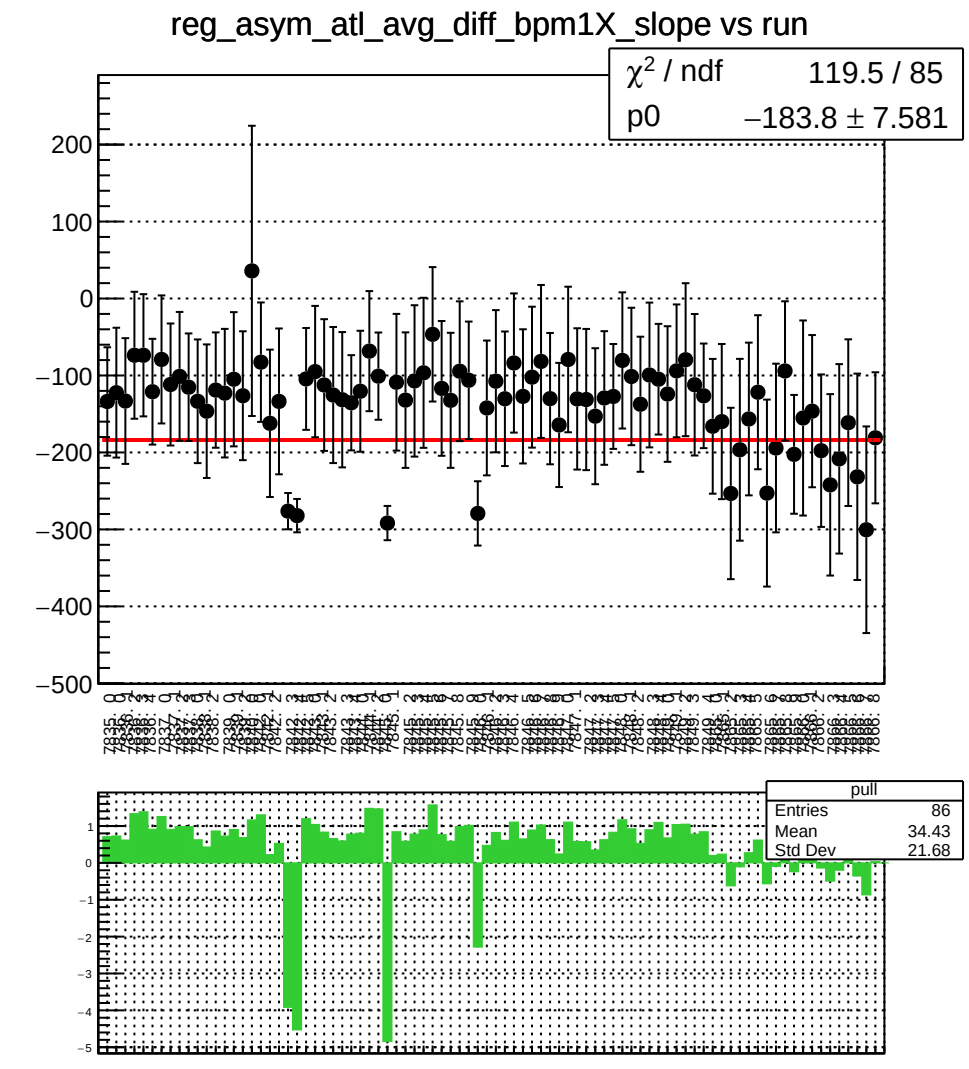

pull1D
Entries 86
Mean −0.8142
Std Dev 1.305
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

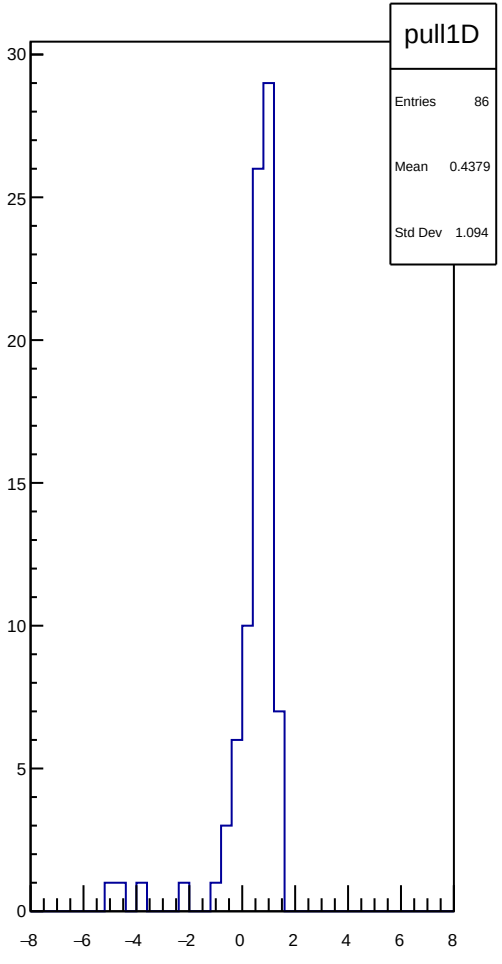

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 2.523 / 85
p0 9.199 ± 29.02
pull
Entries 86
Mean 182
Std Dev 144.4

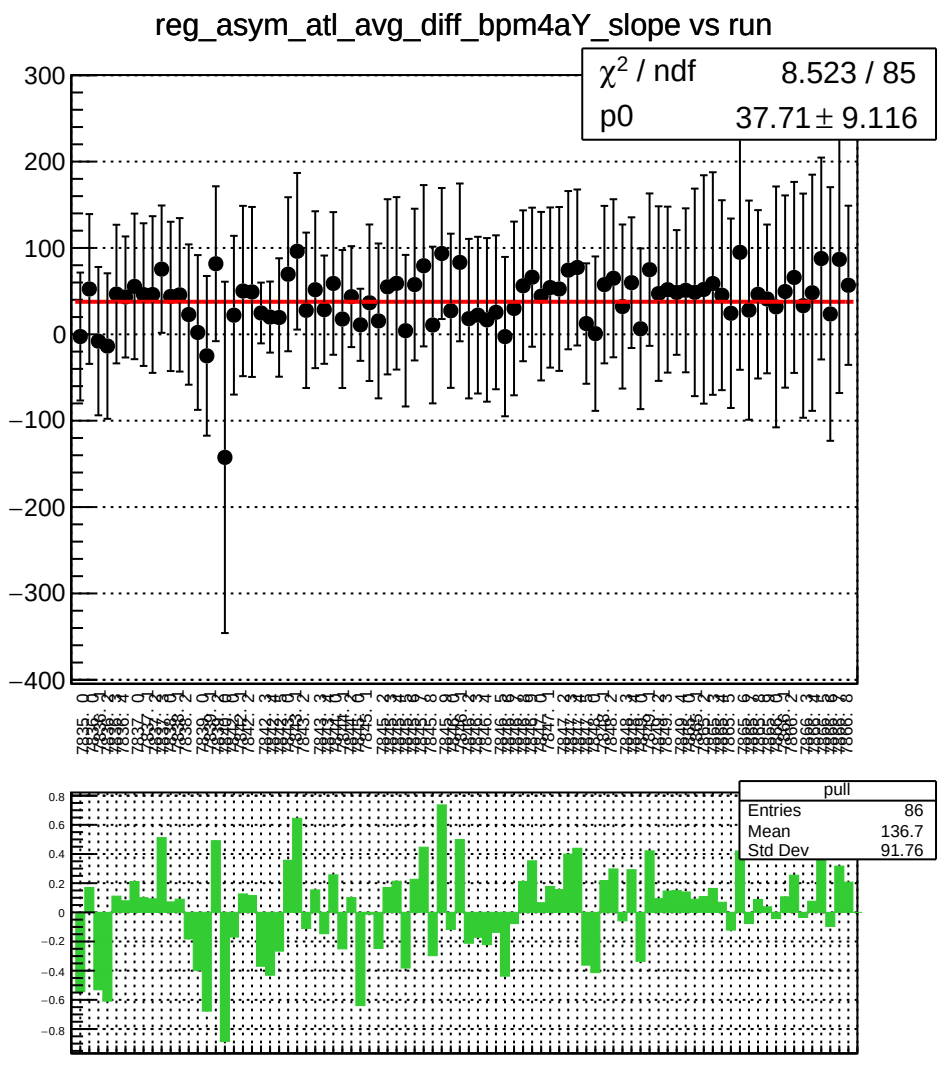

pull1D
Entries 86
Mean −0.005879
Std Dev 0.1712

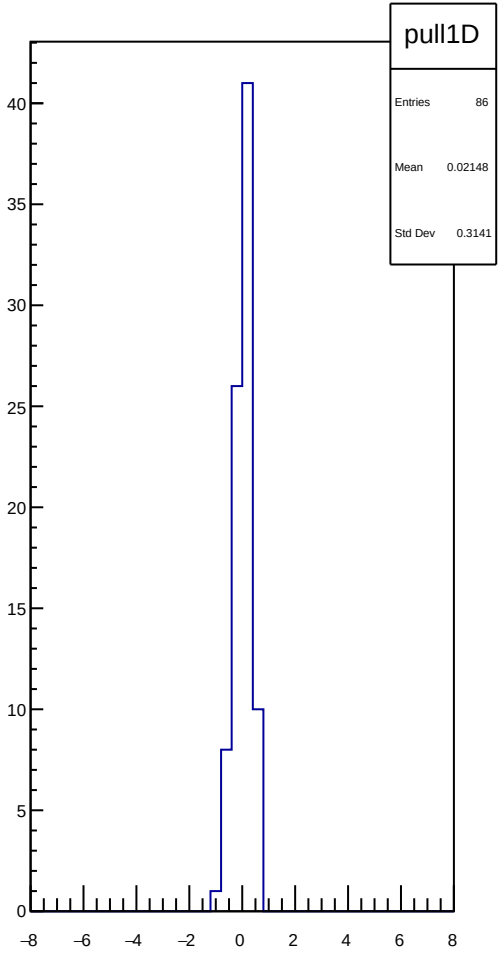

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 69.1 / 85
p0 −295.4 ± 0.8871
pull
Entries 86
Mean −28.78
Std Dev 85.87

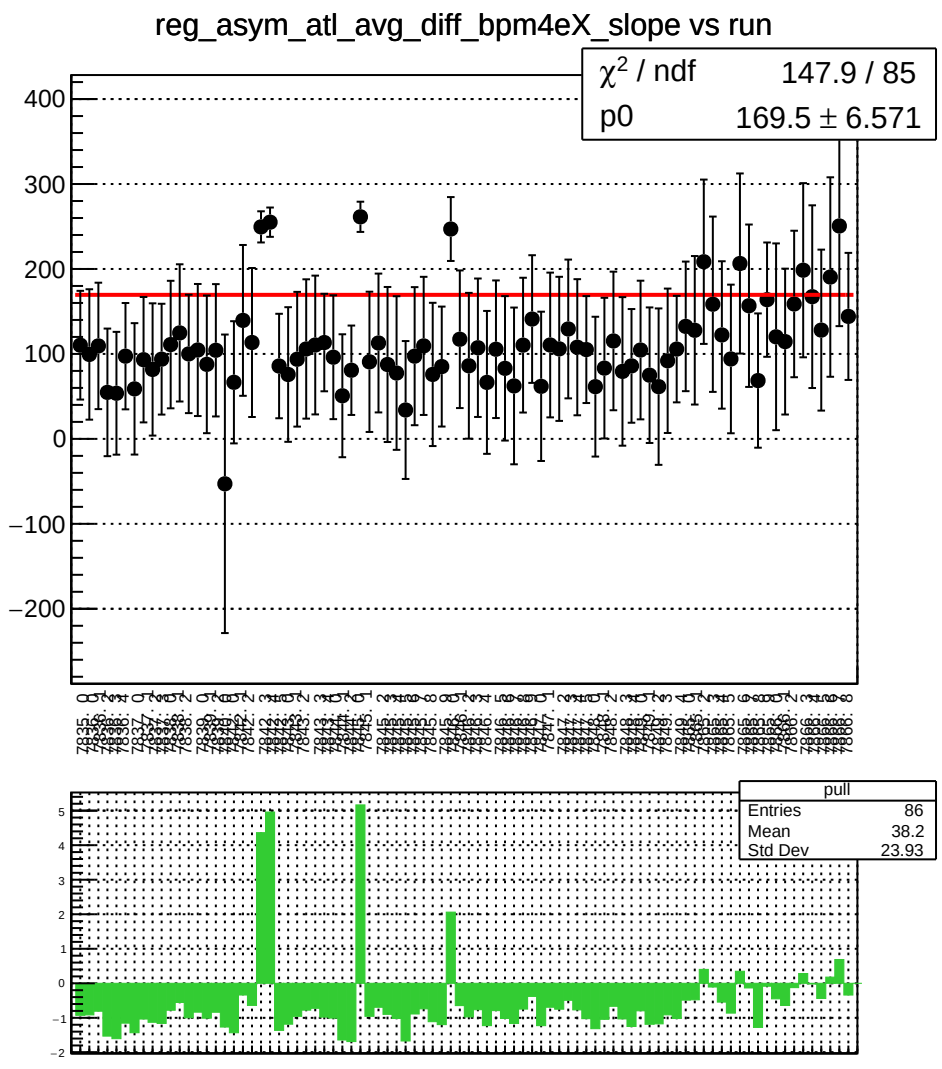

pull1D
Entries 86
Mean −0.02269
Std Dev 0.8961

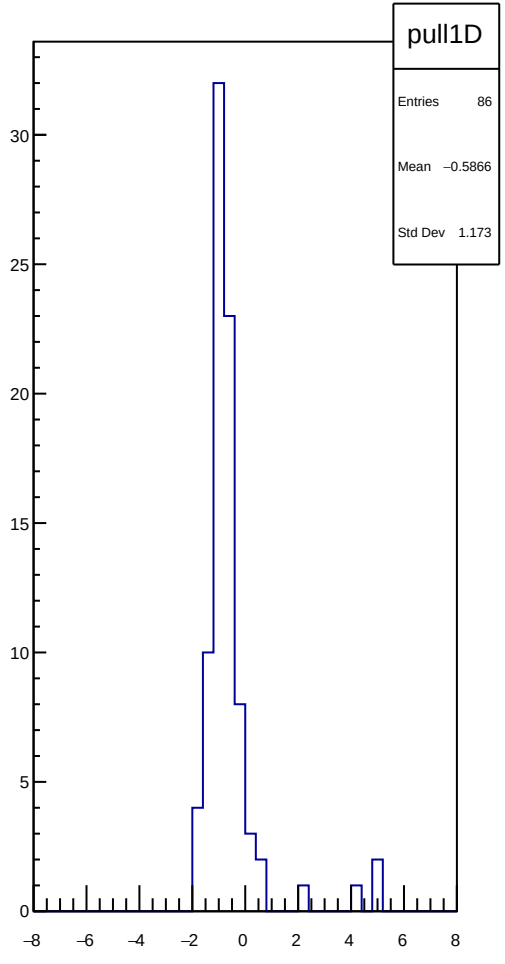

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 119.5 / 85
p0 −183.8 ± 7.581
pull
Entries 86
Mean 34.43
Std Dev 21.68

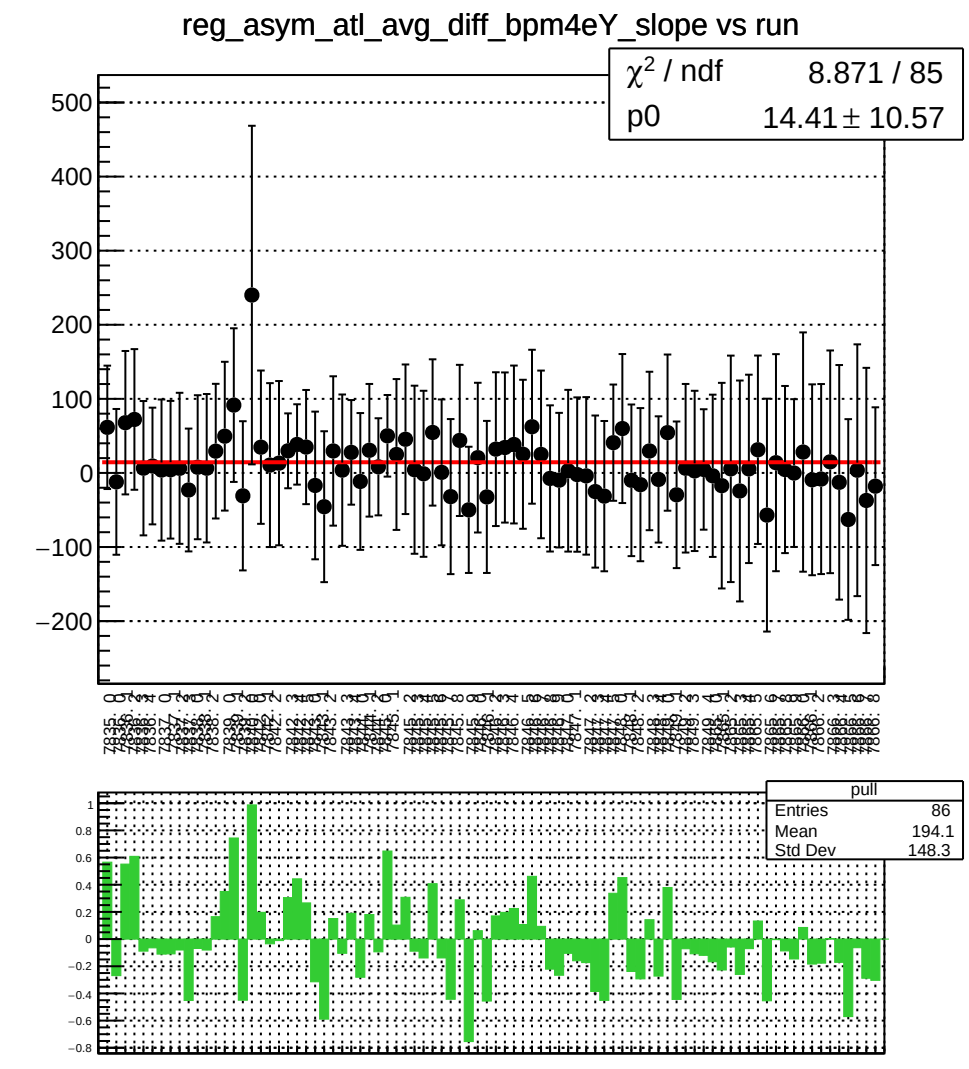

pull1D
Entries 86
Mean 0.4379
Std Dev 1.094

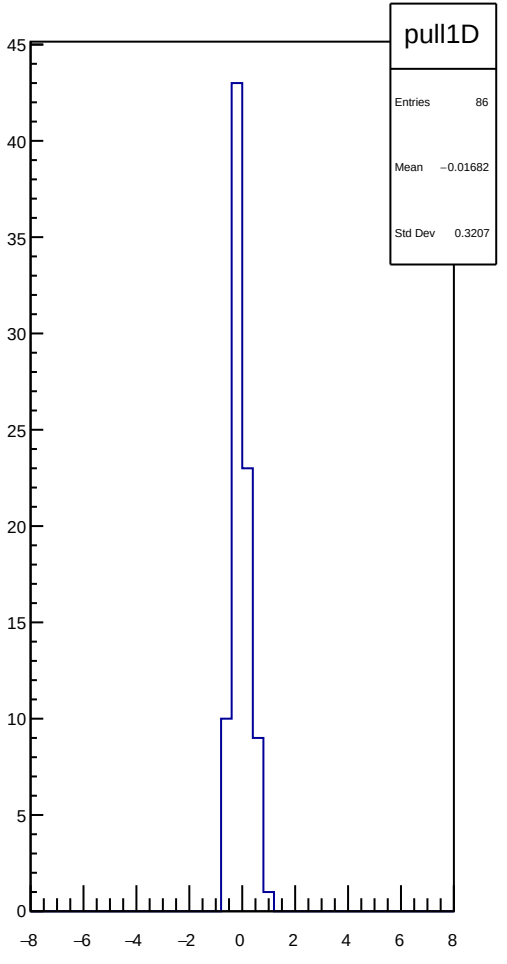

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.523 / 85
p0 37.71 ± 9.116
pull
Entries 86
Mean 136.7
Std Dev 91.76

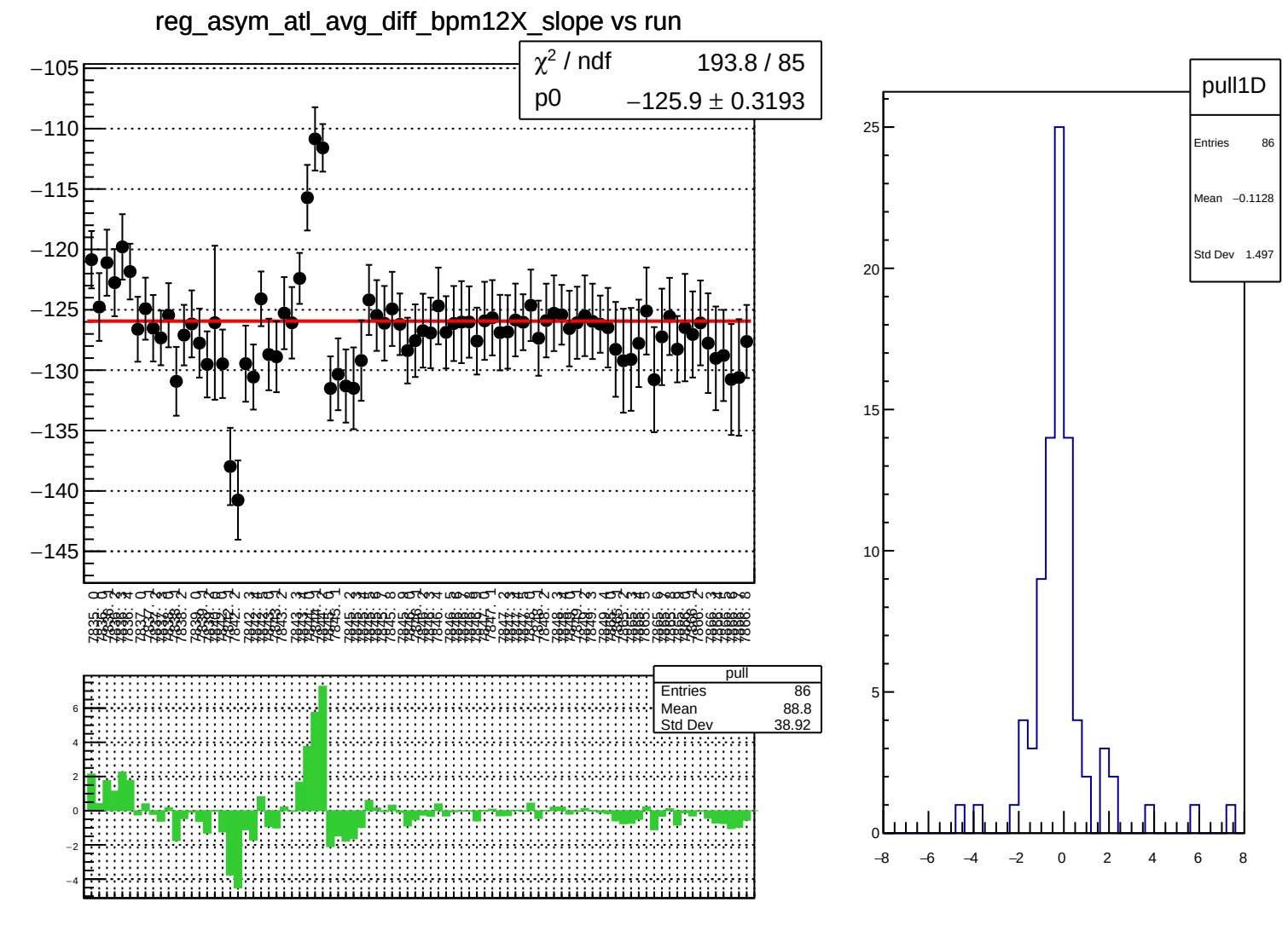

pull1D
Entries 86
Mean 0.02148
Std Dev 0.3141

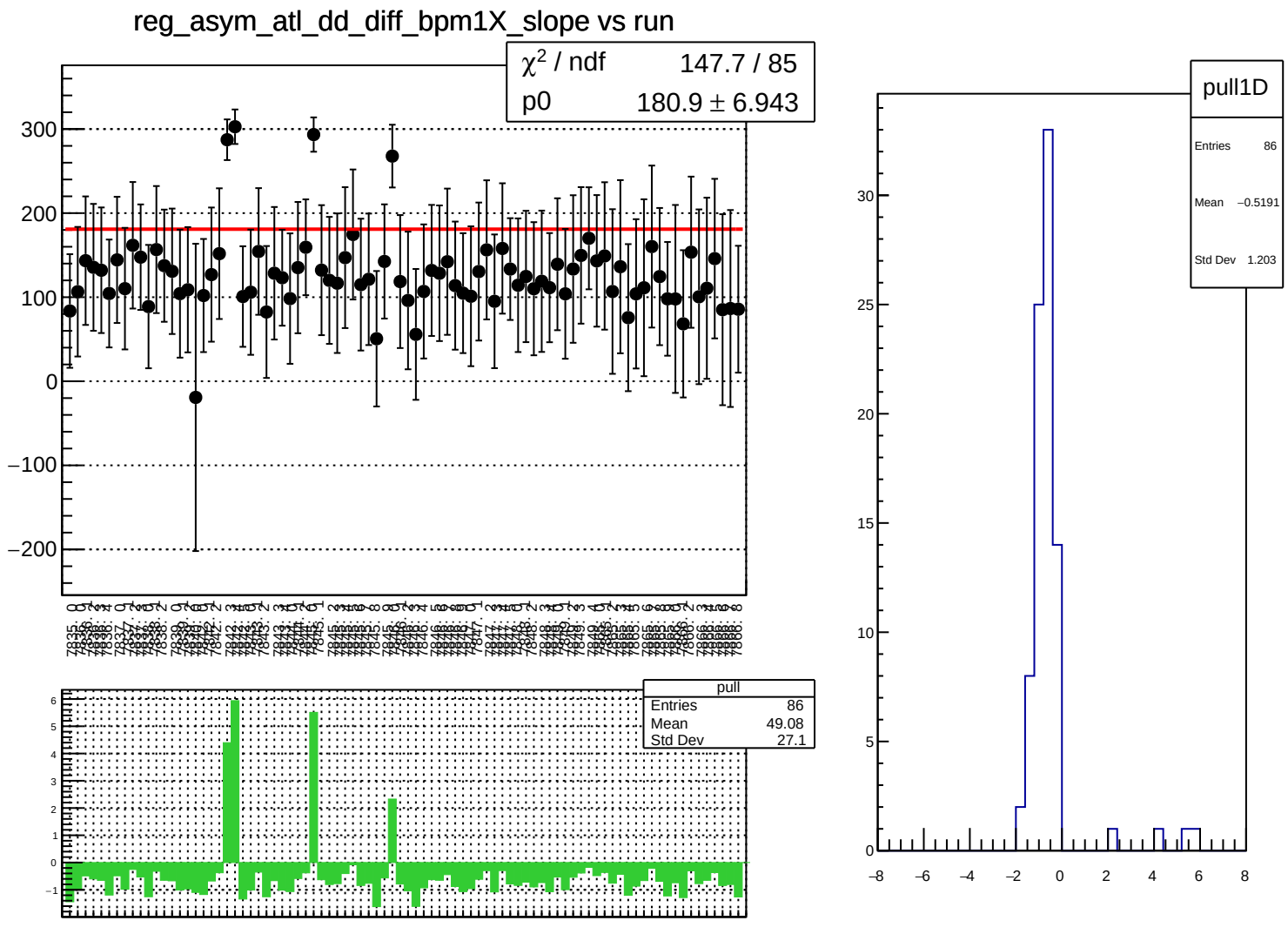

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 147.9 / 85
p0 169.5 ± 6.571
pull
Entries 86
Mean 38.2
Std Dev 23.93

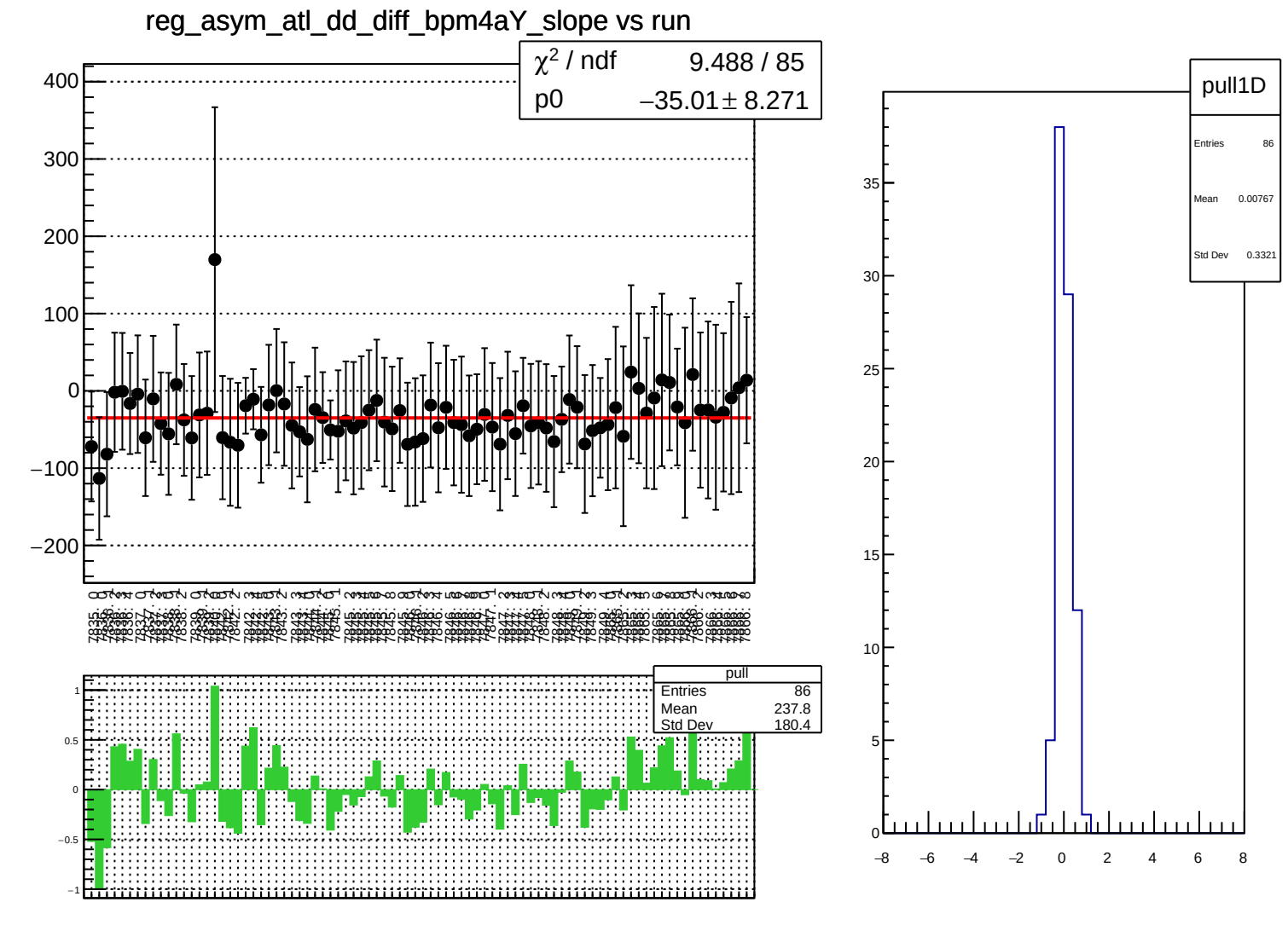

pull1D
Entries 86
Mean −0.5866
Std Dev 1.173

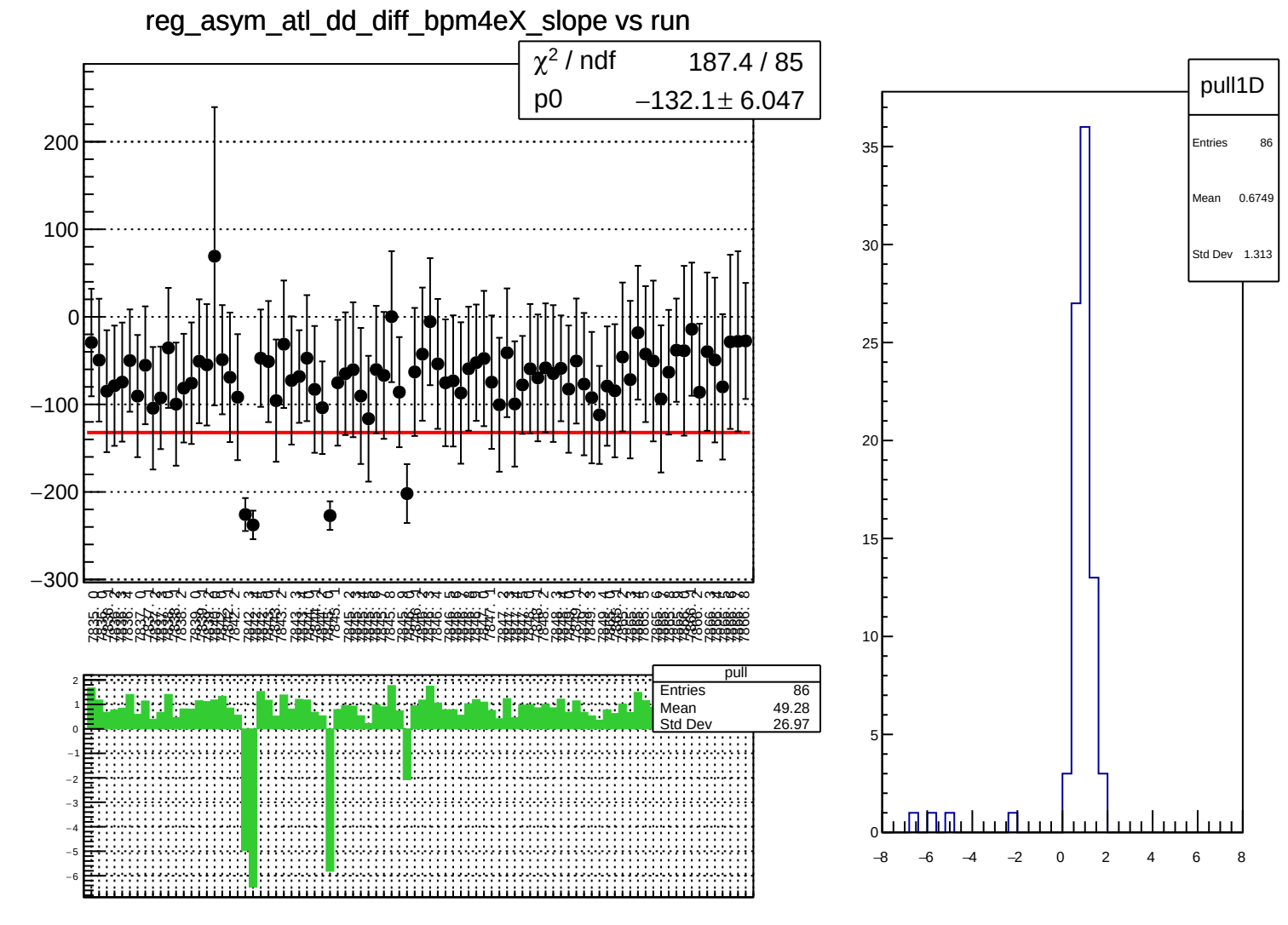

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.871 / 85
p0 14.41 ± 10.57
pull
Entries 86
Mean 194.1
Std Dev 148.3

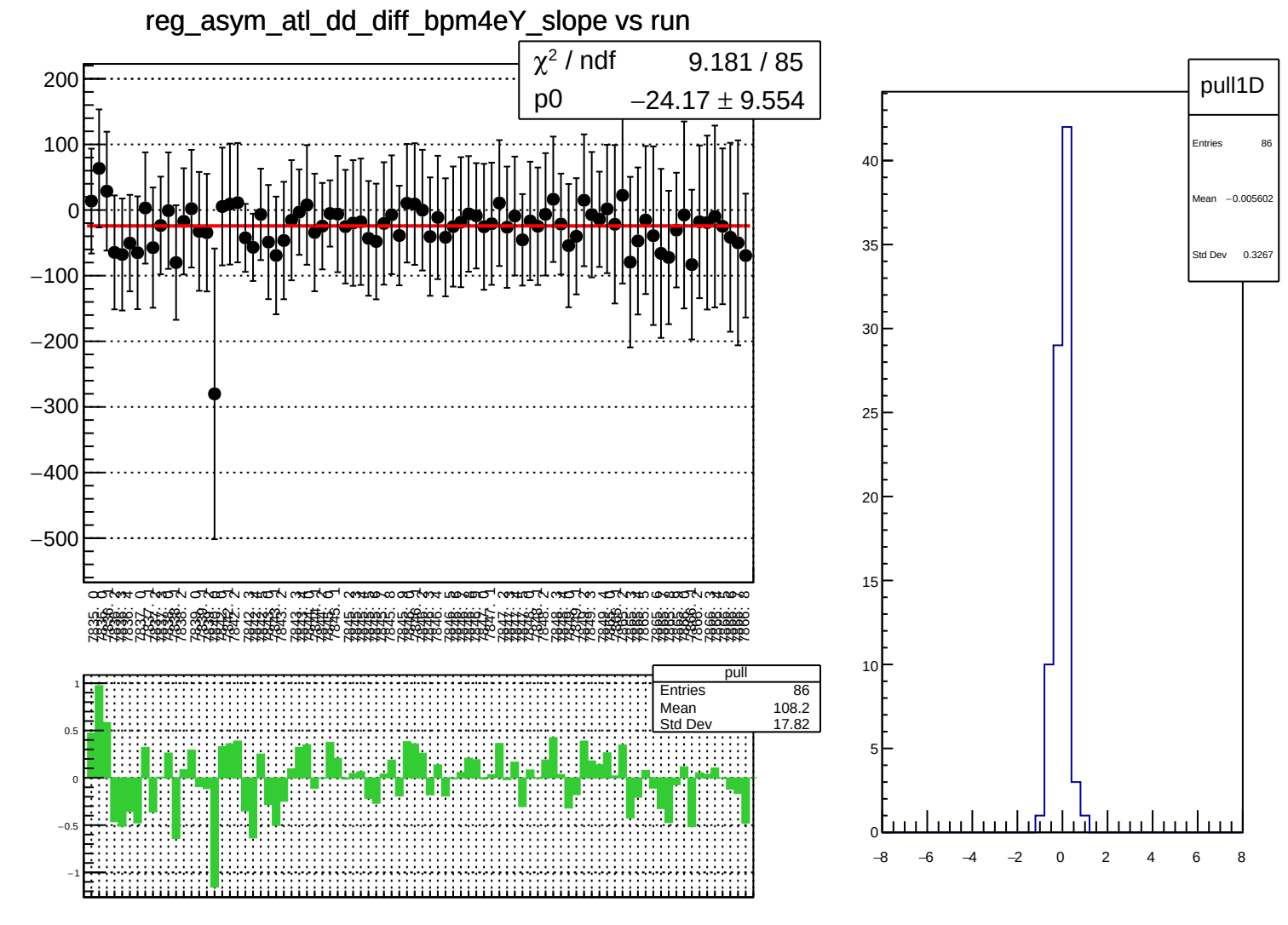

pull1D
Entries 86
Mean −0.01682
Std Dev 0.3207

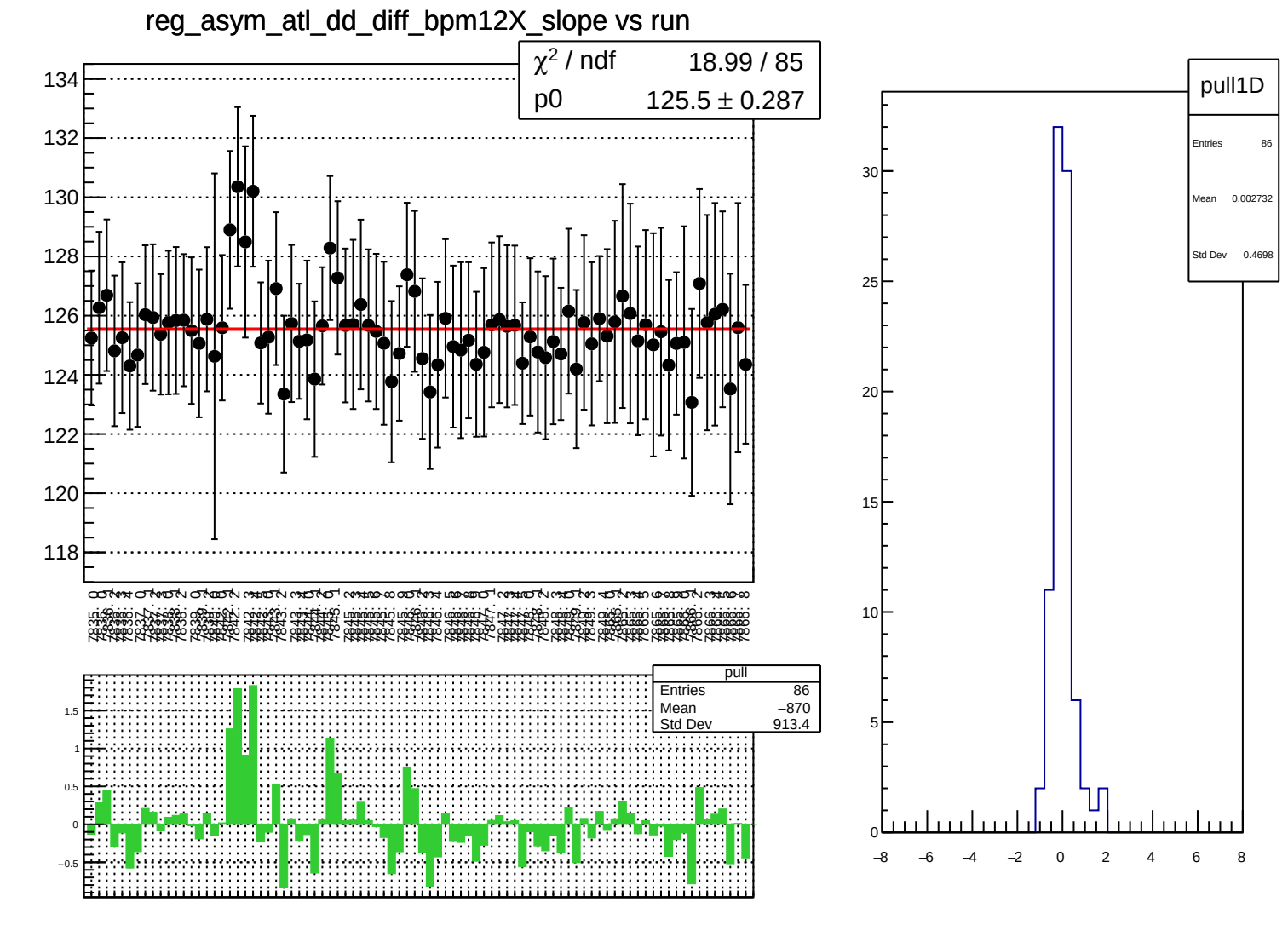

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 193.8 / 85
p0 −125.9 ± 0.3193
pull
Entries 86
Mean 88.8
Std Dev 38.92
pull1D
Entries 86
Mean −0.1128
Std Dev 1.497

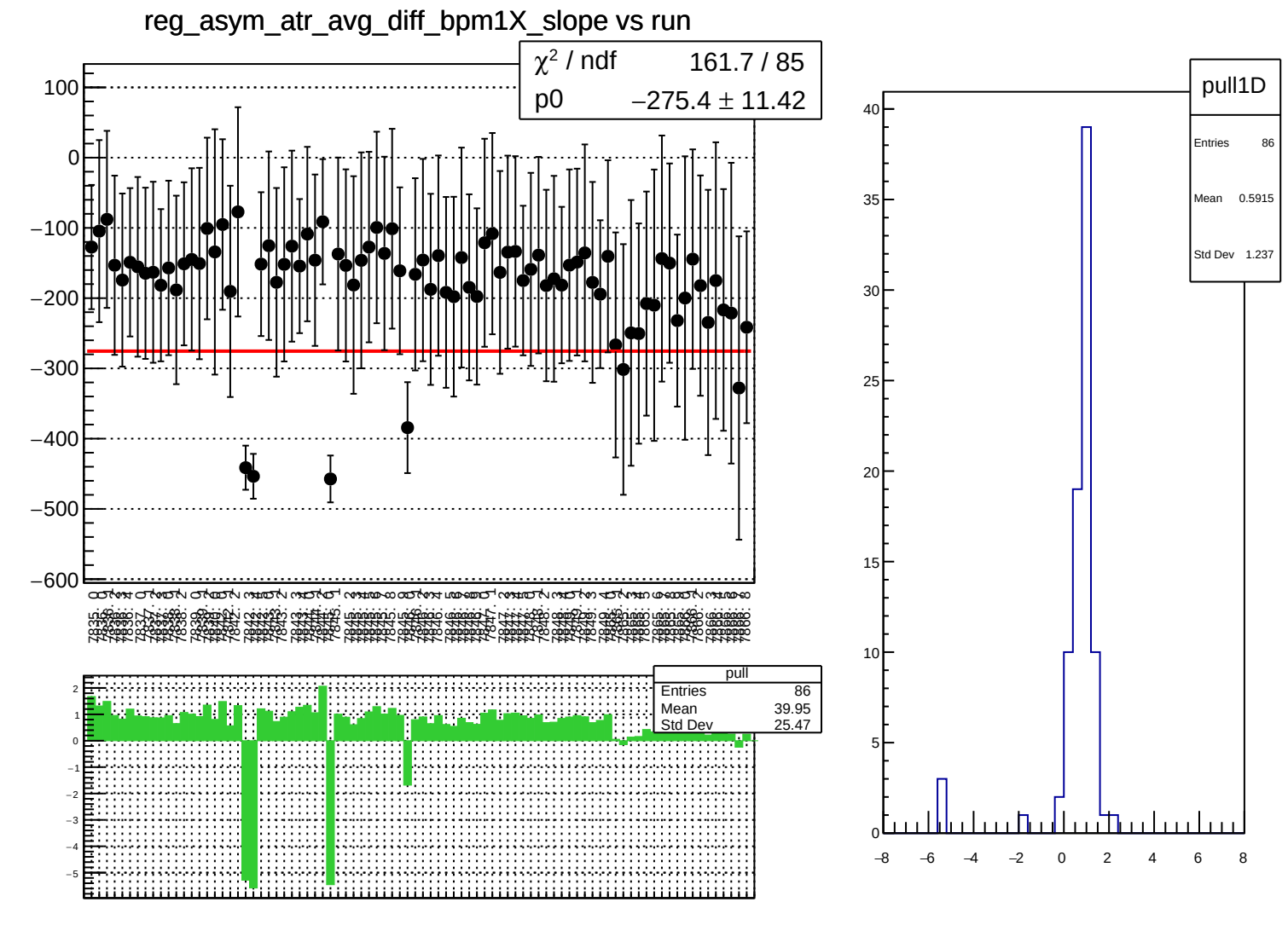

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 147.7 / 85
p0 180.9 ± 6.943
300
200
100
0
−100
−200
pull
Entries 86
Mean 49.08
Std Dev 27.1
pull1D
Entries 86
Mean −0.5191
Std Dev 1.203
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

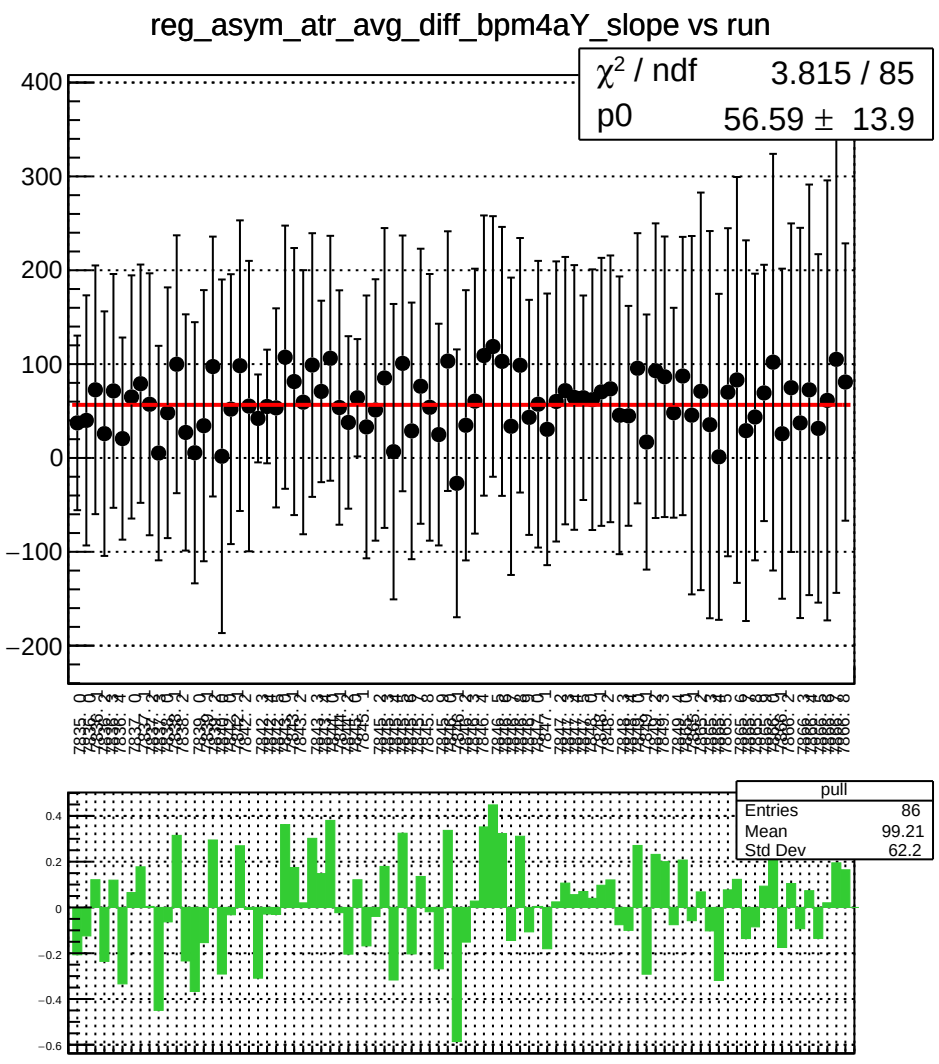

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.488 / 85
p0 −35.01 ± 8.271
pull
Entries 86
Mean 237.8
Std Dev 180.4
pull1D
Entries 86
Mean 0.00767
Std Dev 0.3321

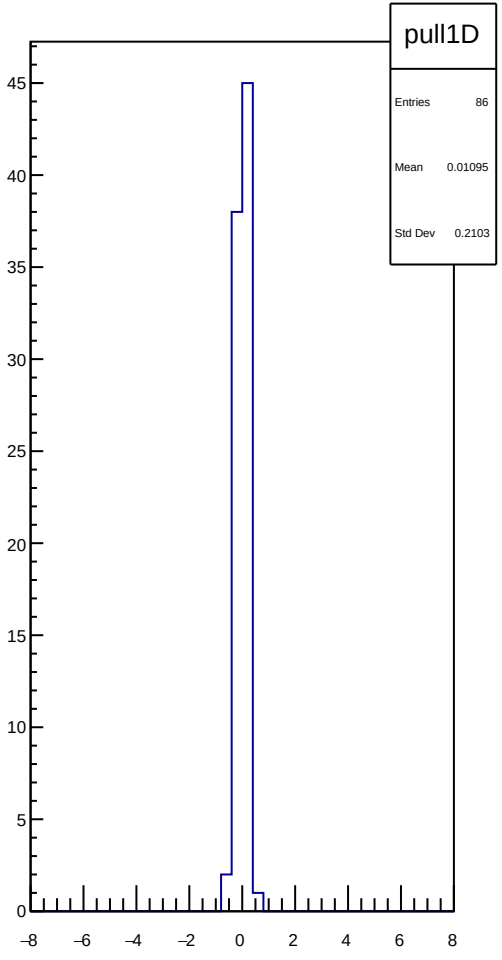

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 187.4 / 85
p0 −132.1± 6.047
pull
Entries 86
Mean 49.28
Std Dev 26.97
pull1D
Entries 86
Mean 0.6749
Std Dev 1.313

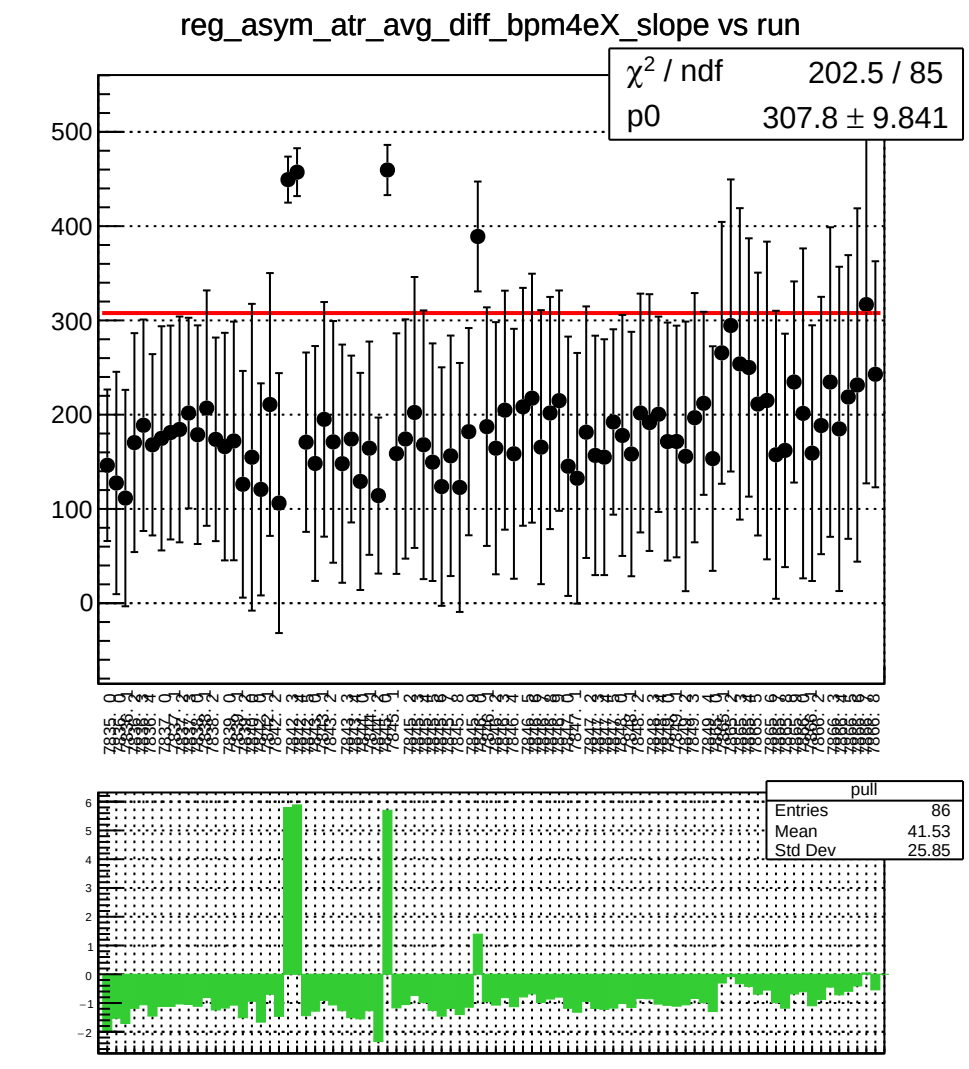

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.181 / 85
p0 −24.17 ± 9.554
pull
Entries 86
Mean 108.2
Std Dev 17.82
pull1D
Entries 86
Mean −0.005602
Std Dev 0.3267

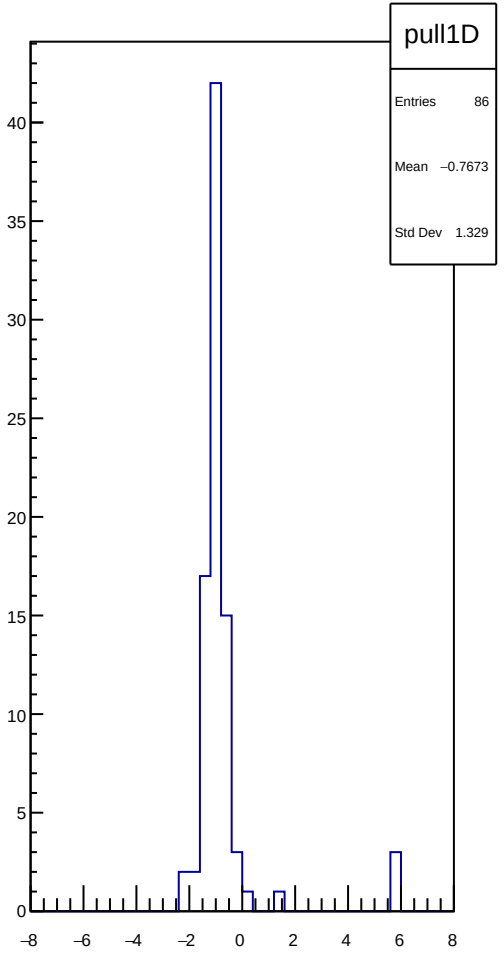

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 18.99 / 85
p0 125.5 ± 0.287
134
132
130
128
126
124
122
120
118
pull
Entries 86
Mean −870
Std Dev 913.4
1.5
1
0.5
0
−0.5
pull1D
Entries 86
Mean 0.002732
Std Dev 0.4698
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

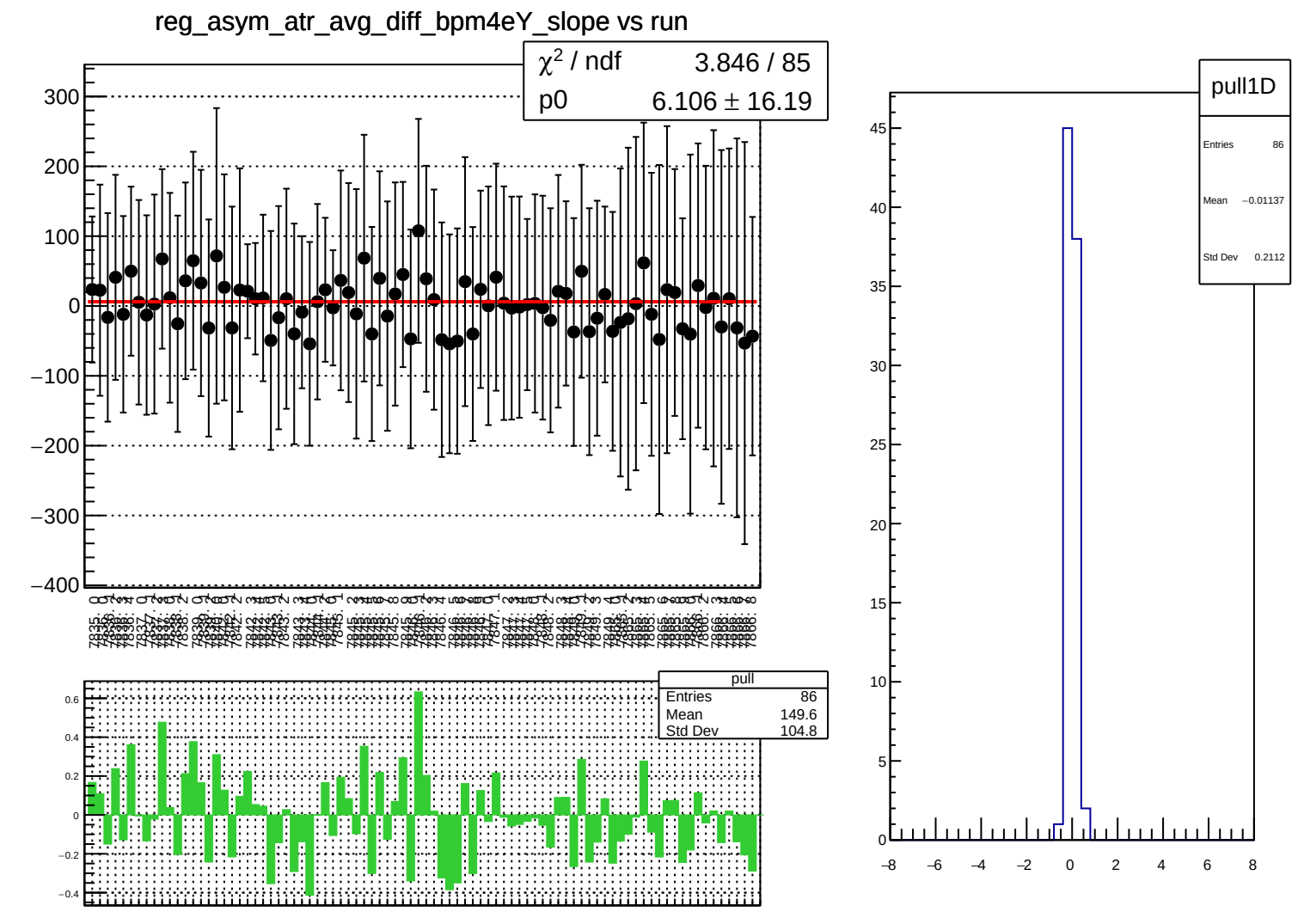

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 161.7 / 85
p0 −275.4 ± 11.42
pull
Entries 86
Mean 39.95
Std Dev 25.47
pull1D
Entries 86
Mean 0.5915
Std Dev 1.237

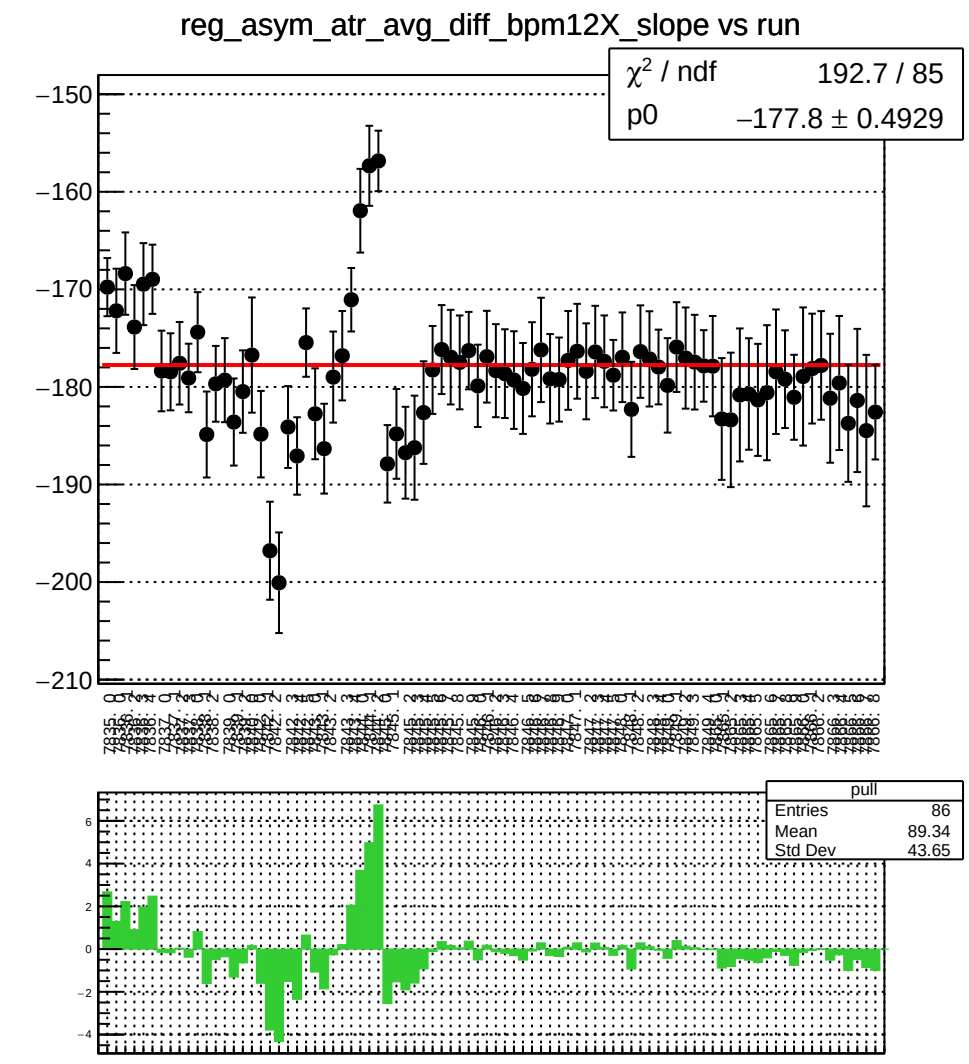

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.815 / 85
p0 56.59 ± 13.9
pull
Entries 86
Mean 99.21
Std Dev 62.2

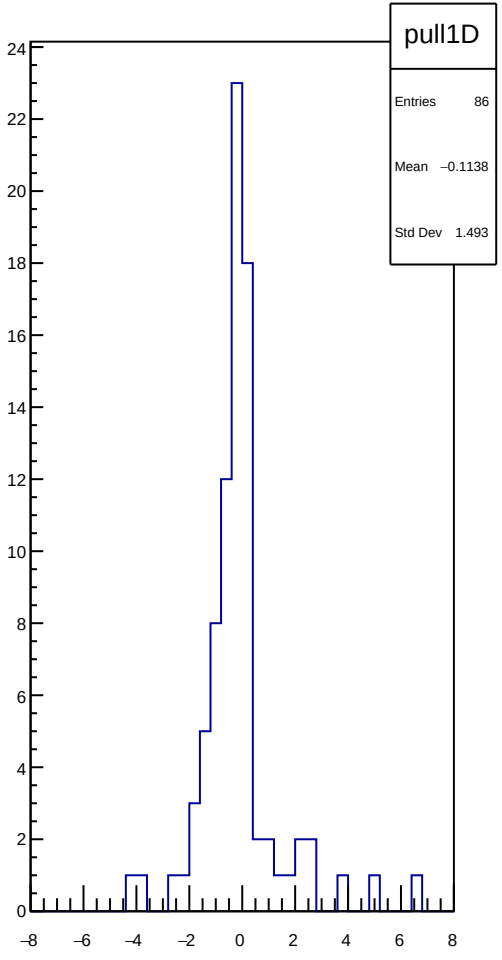

pull1D
Entries 86
Mean 0.01095
Std Dev 0.2103

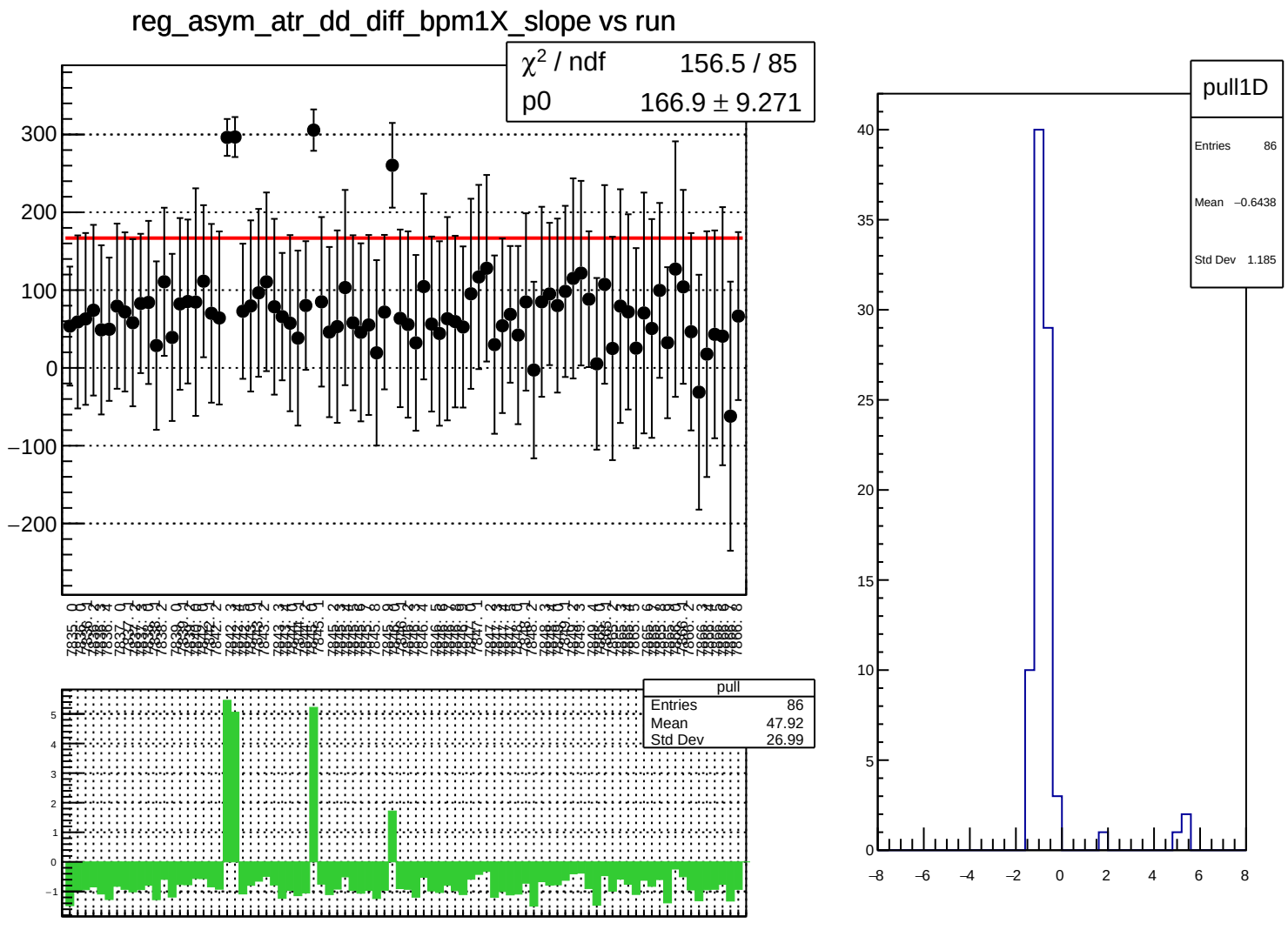

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 202.5 / 85
p0 307.8 ± 9.841
pull
Entries 86
Mean 41.53
Std Dev 25.85

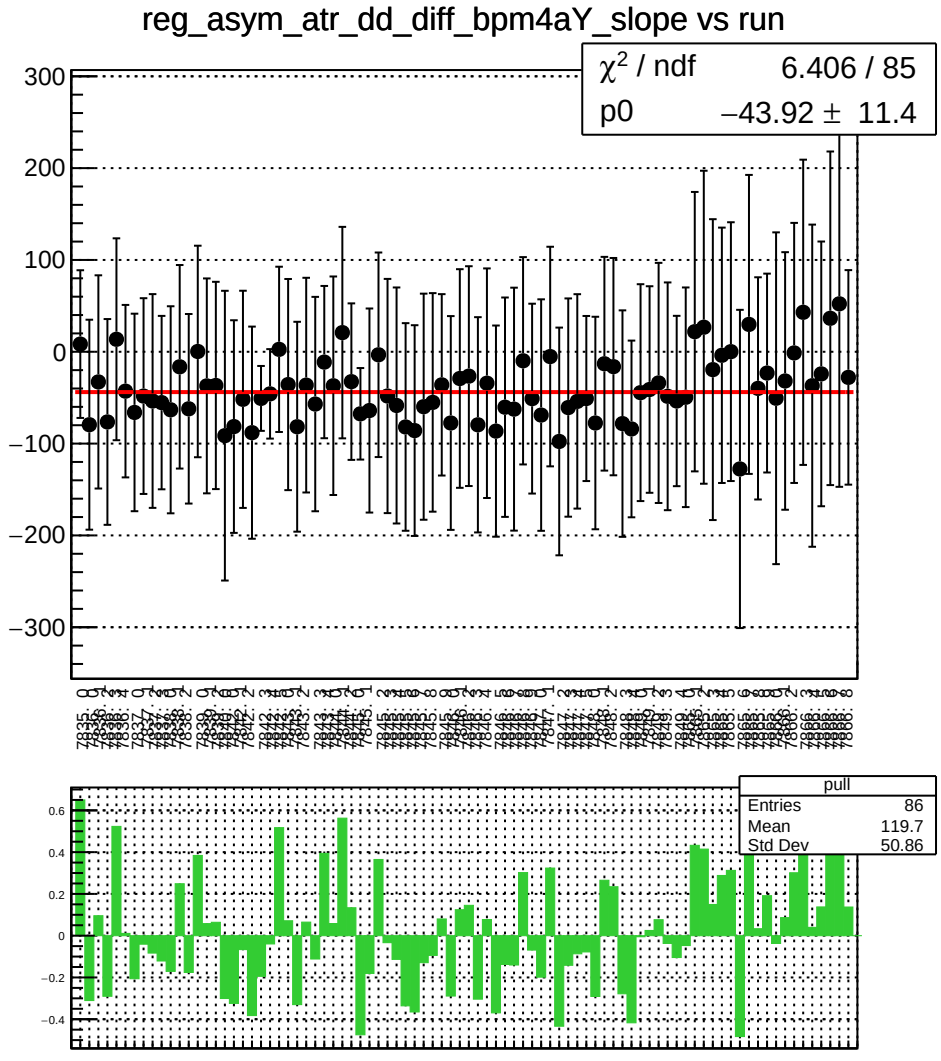

pull1D
Entries 86
Mean −0.7673
Std Dev 1.329

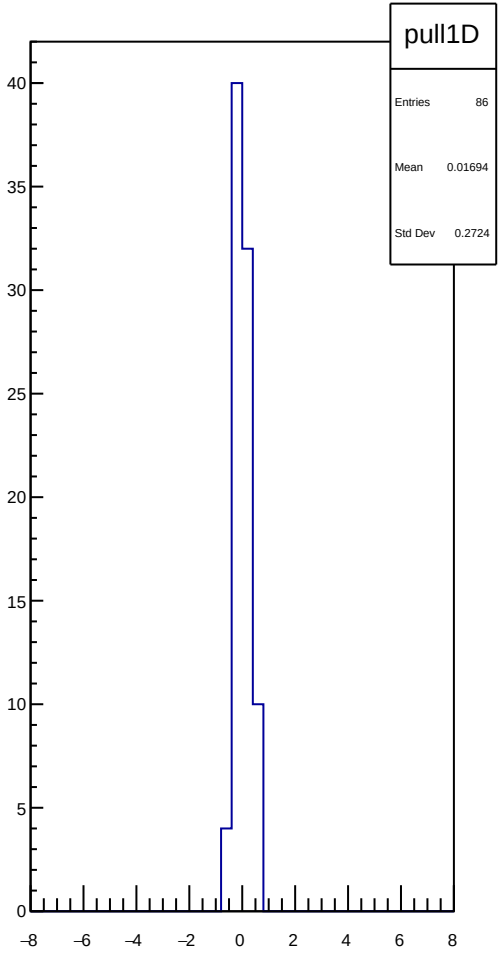

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.846 / 85
p0 6.106 ± 16.19
pull
Entries 86
Mean 149.6
Std Dev 104.8
pull1D
Entries 86
Mean −0.01137
Std Dev 0.2112

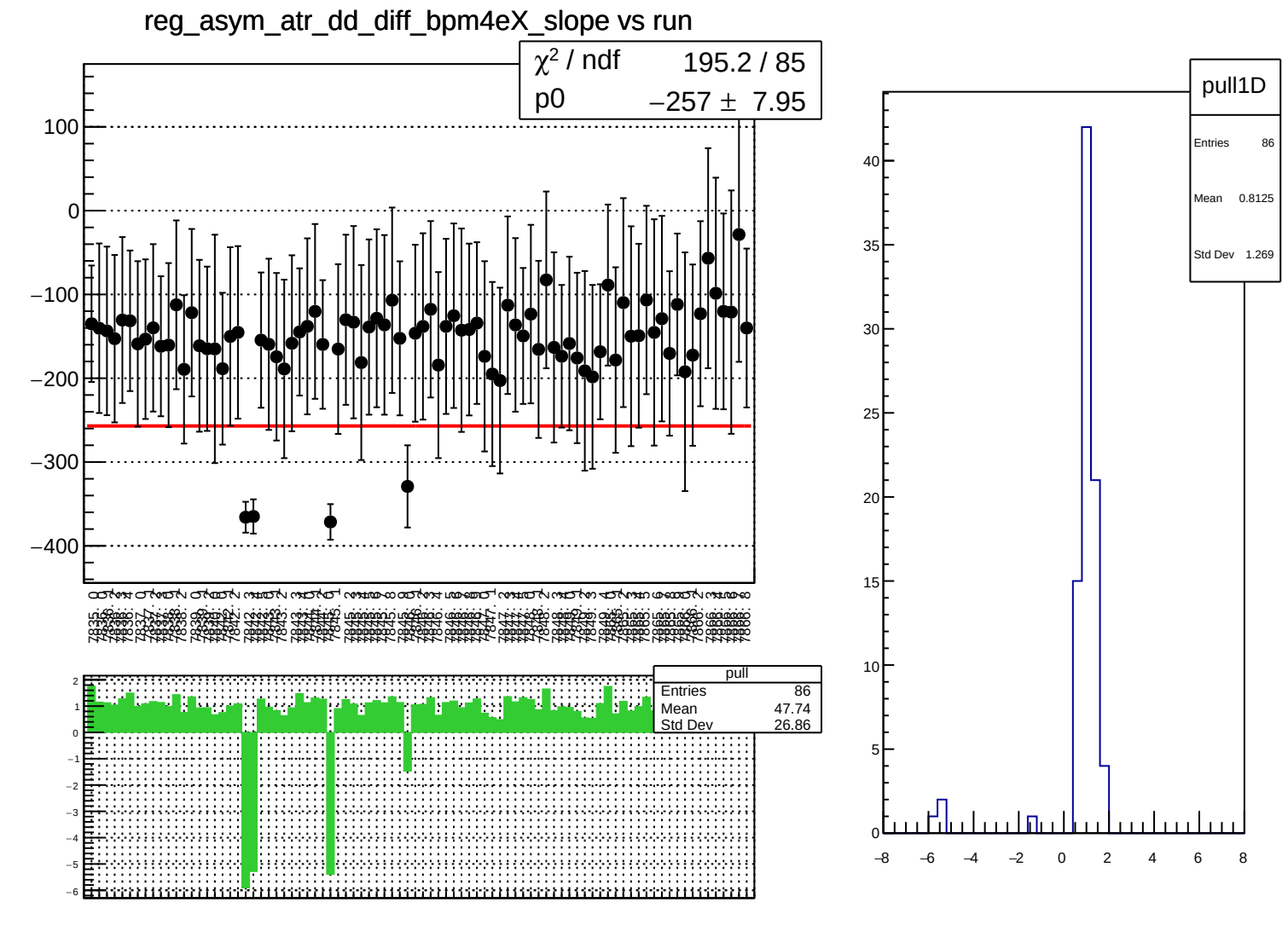

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 192.7 / 85
p0 −177.8 ± 0.4929
pull
Entries 86
Mean 89.34
Std Dev 43.65

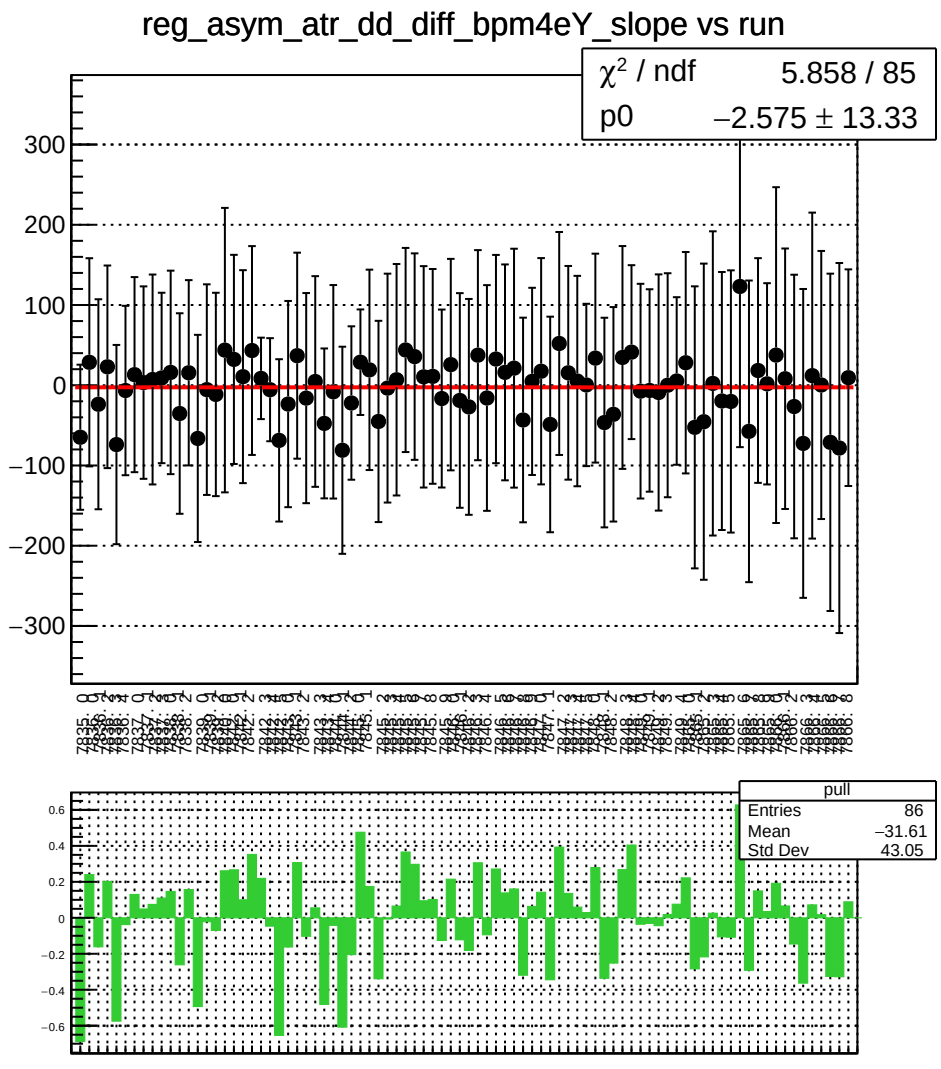

pull1D
Entries 86
Mean −0.1138
Std Dev 1.493

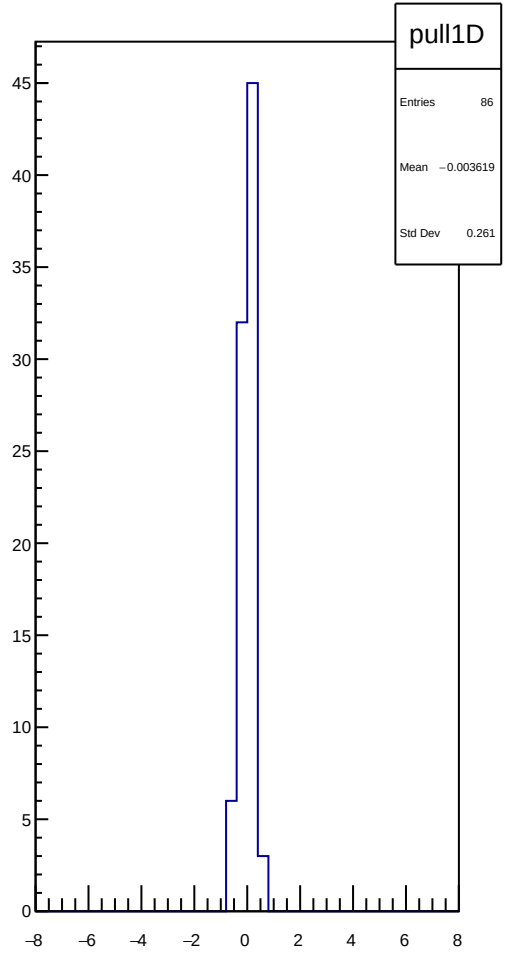

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 156.5 / 85
p0 166.9 ± 9.271
300
200
100
0
−100
−200
pull
Entries 86
Mean 47.92
Std Dev 26.99
5
4
3
2
1
0
−1
pull1D
Entries 86
Mean −0.6438
Std Dev 1.185
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

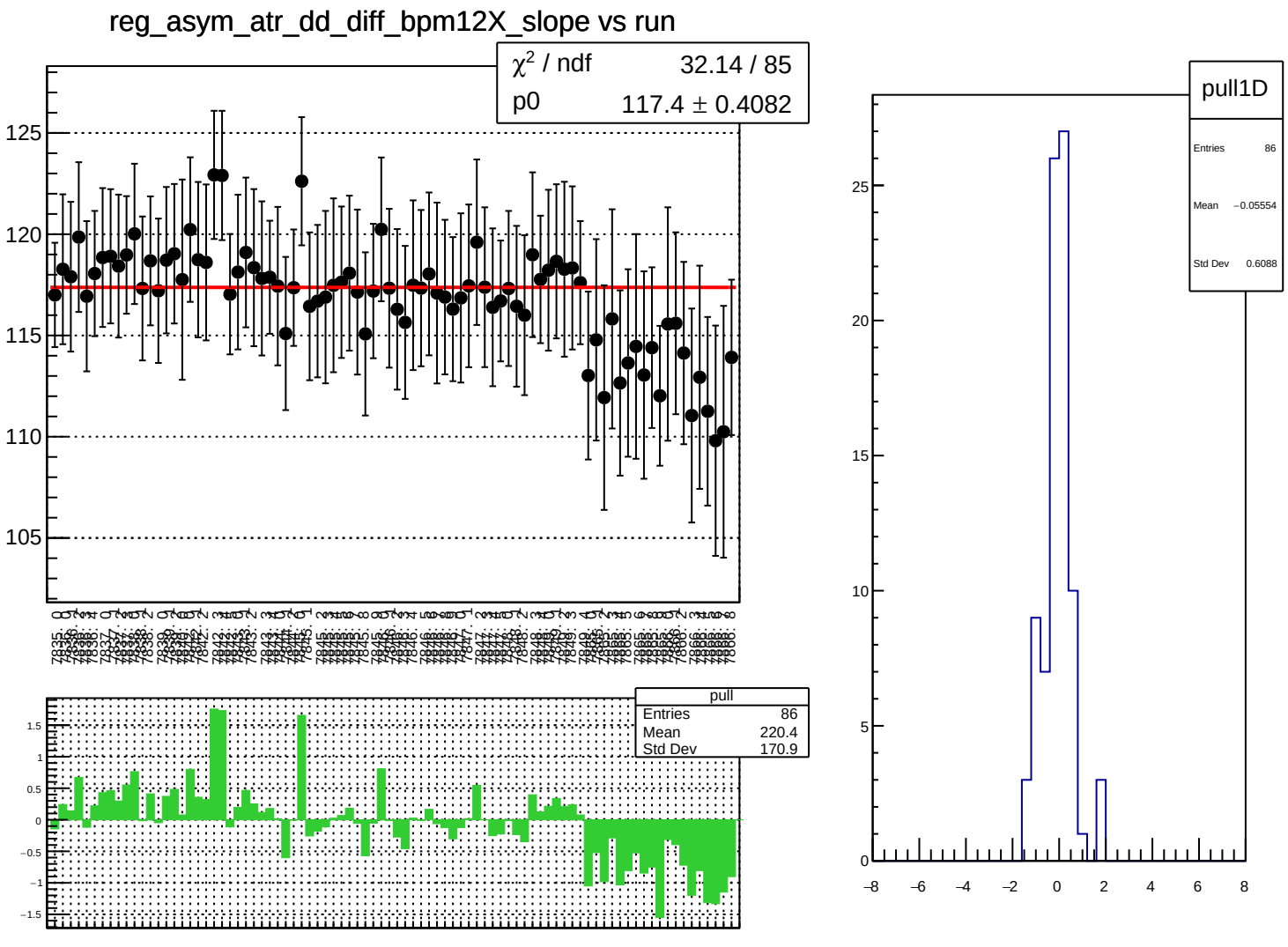

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.406 / 85
p0 −43.92 ± 11.4
pull
Entries 86
Mean 119.7
Std Dev 50.86

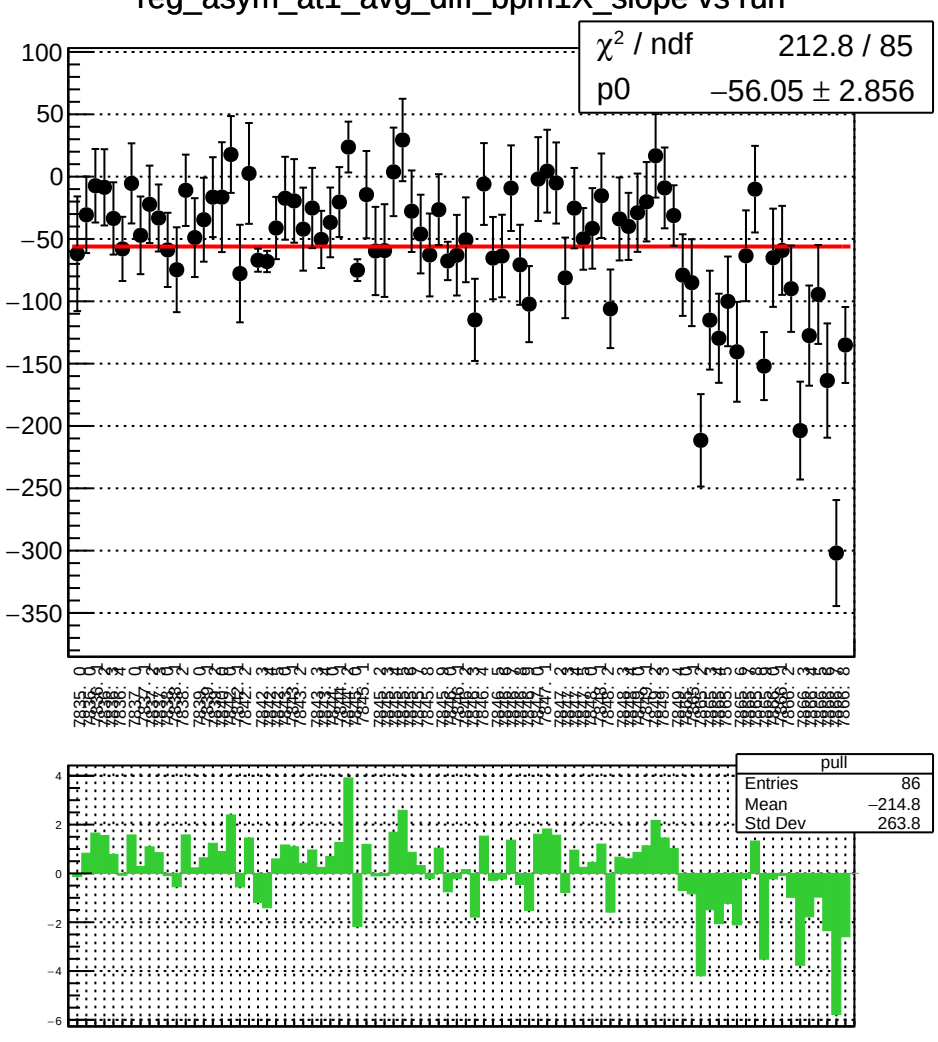

pull1D
Entries 86
Mean 0.01694
Std Dev 0.2724

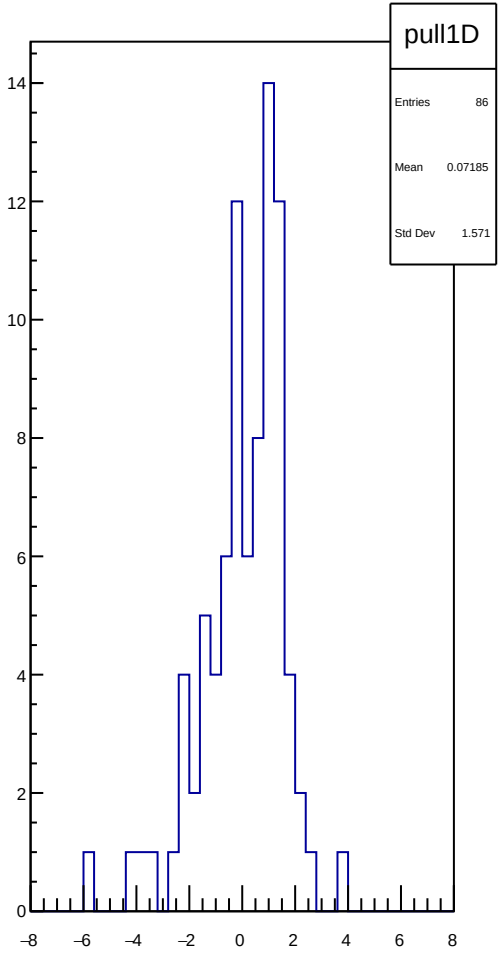

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 195.2 / 85
p0 −257 ± 7.95
pull
Entries 86
Mean 47.74
Std Dev 26.86
pull1D
Entries 86
Mean 0.8125
Std Dev 1.269

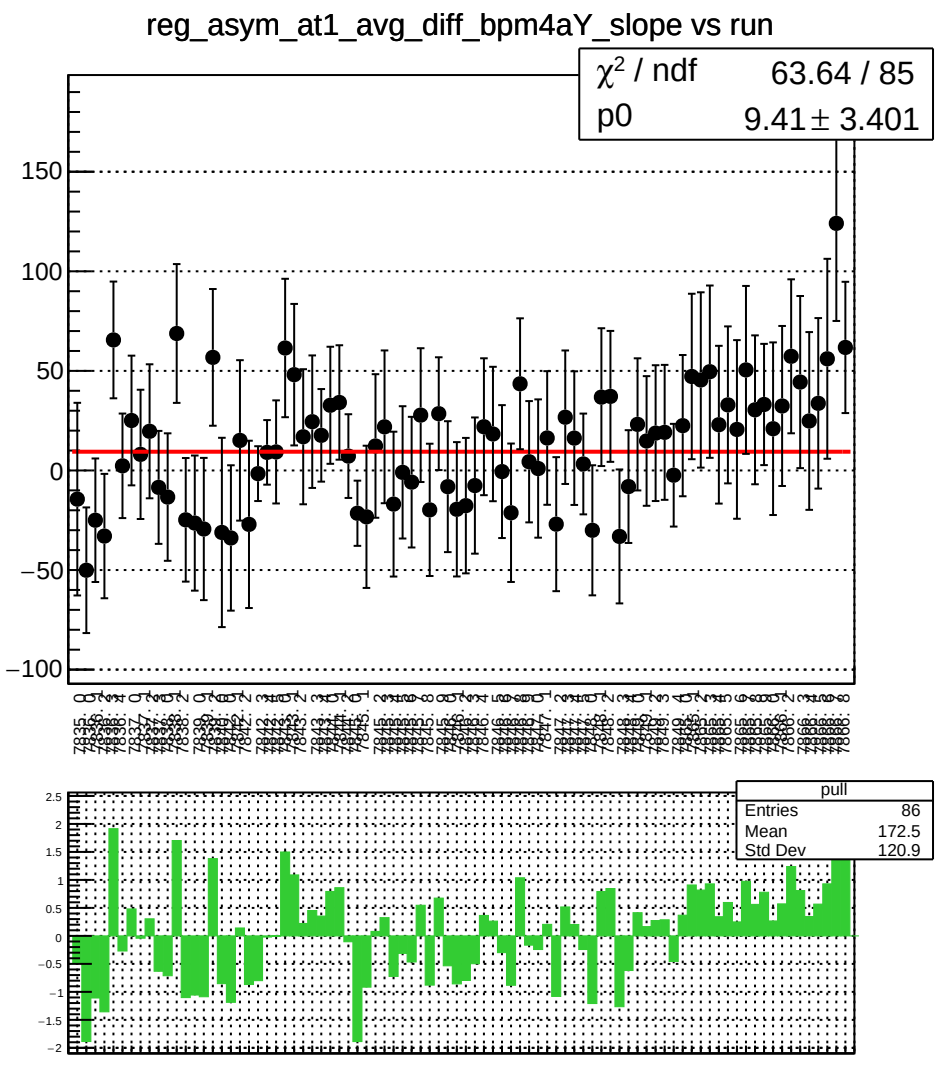

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.858 / 85
p0 −2.575 ± 13.33
300
200
100
0
−100
−200
−300
pull
Entries 86
Mean −31.61
Std Dev 43.05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

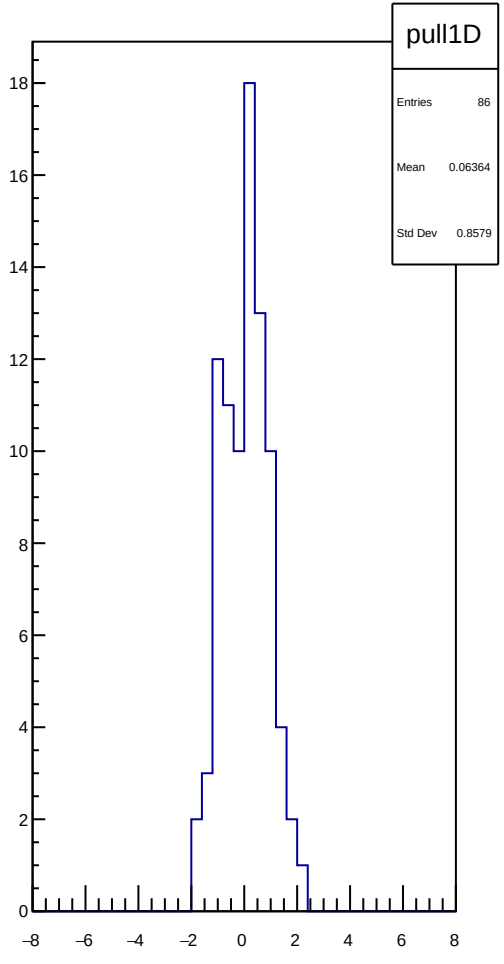

pull1D
Entries 86
Mean −0.003619
Std Dev 0.261
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

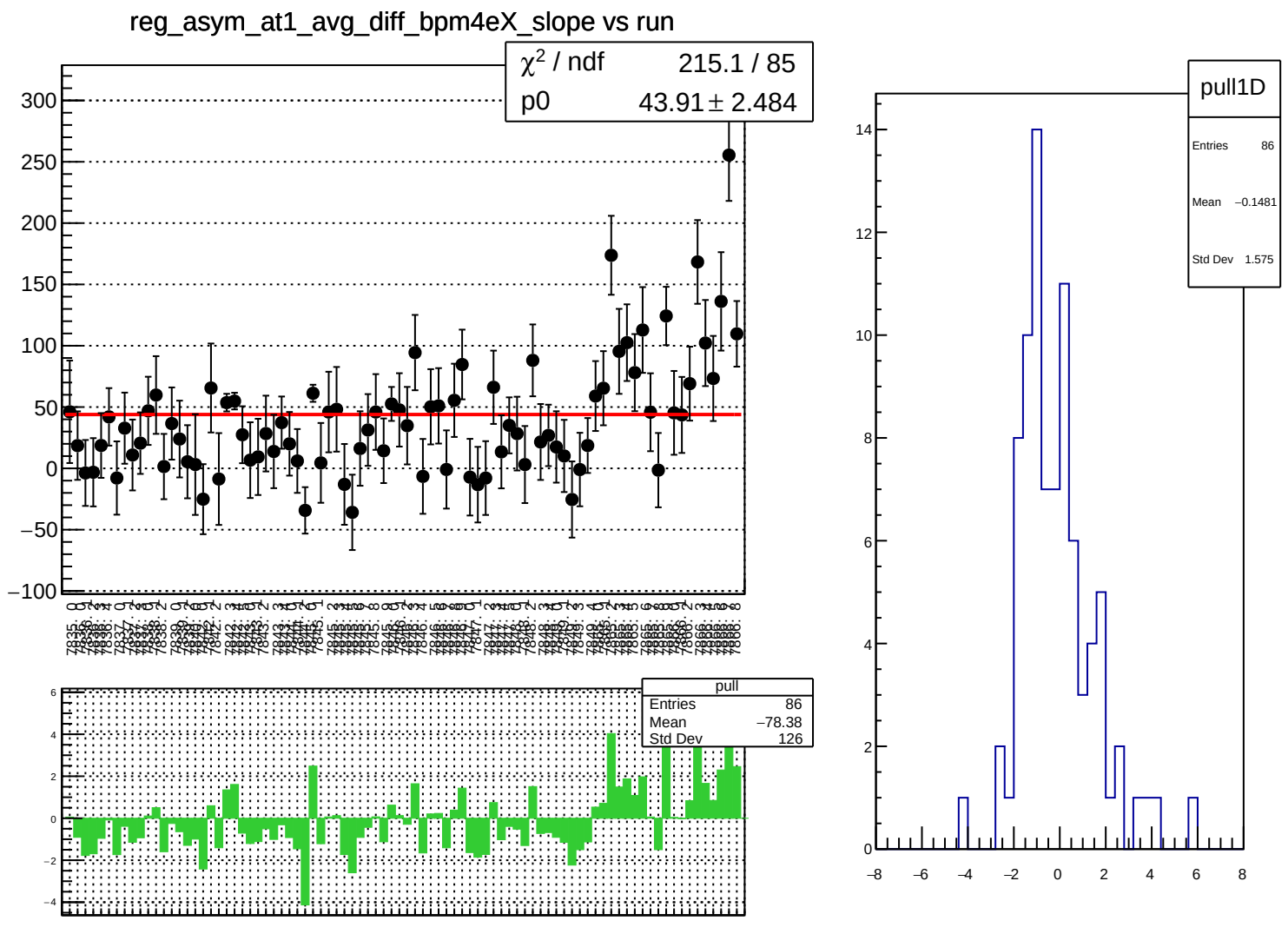

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 32.14 / 85
p0 117.4 ± 0.4082
125
120
115
110
105
pull
Entries 86
Mean 220.4
Std Dev 170.9
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.05554
Std Dev 0.6088
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

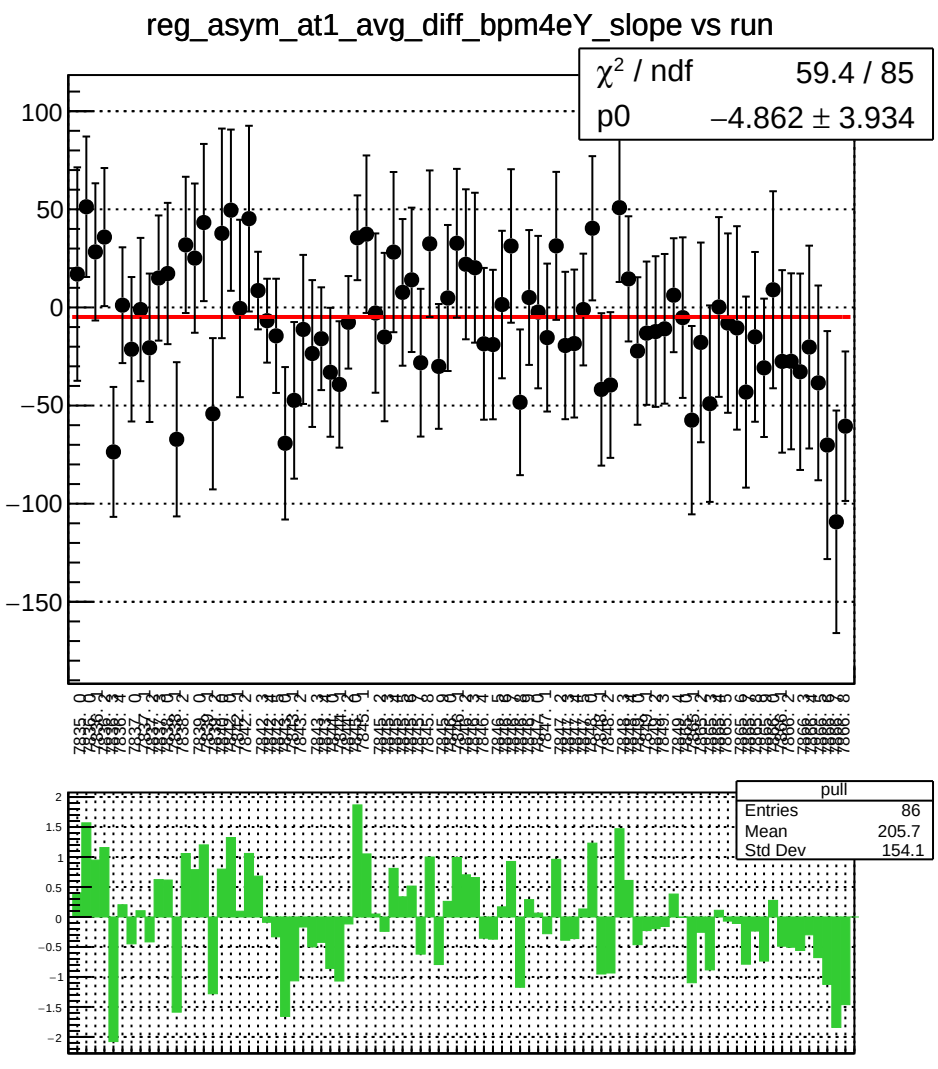

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 212.8 / 85
p0 −56.05 ± 2.856
pull
Entries 86
Mean −214.8
Std Dev 263.8

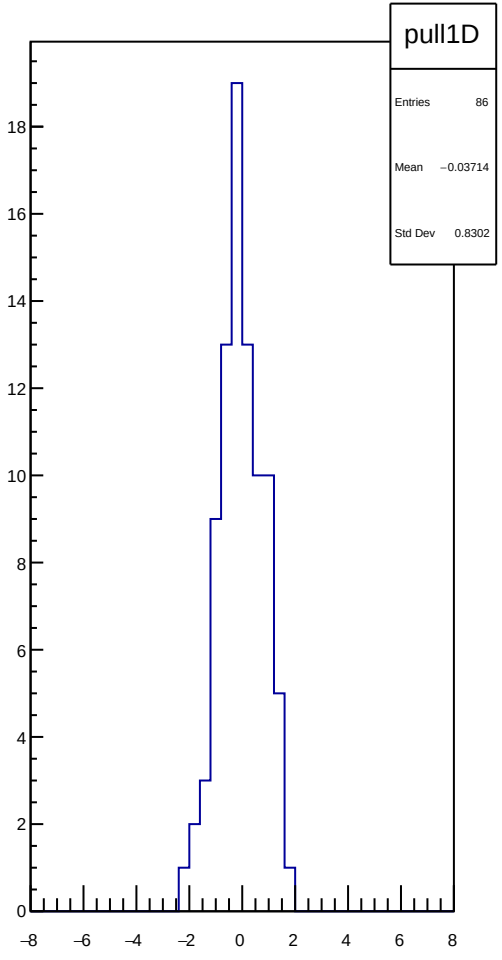

pull1D
Entries 86
Mean 0.07185
Std Dev 1.571

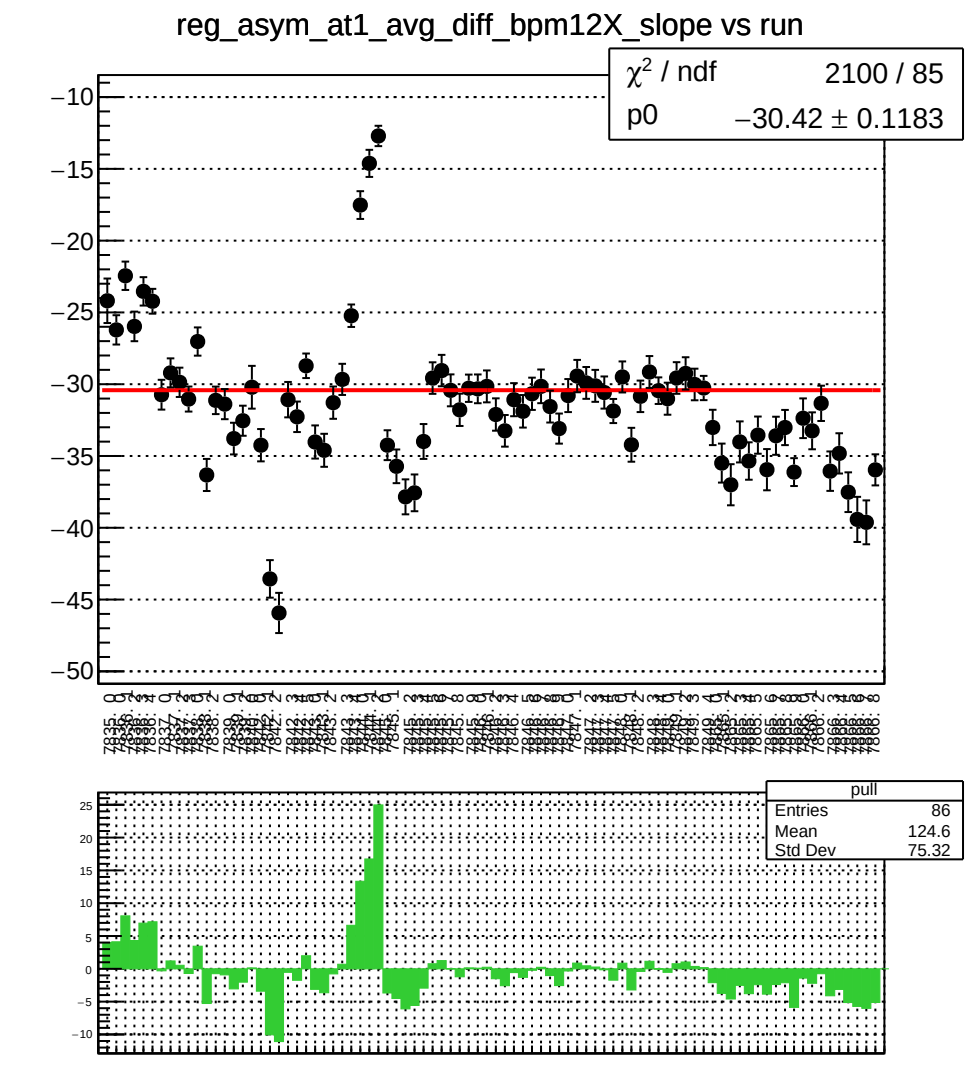

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.64 / 85
p0 9.41 ± 3.401
150
100
50
0
−50
−100
pull
Entries 86
Mean 172.5
Std Dev 120.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

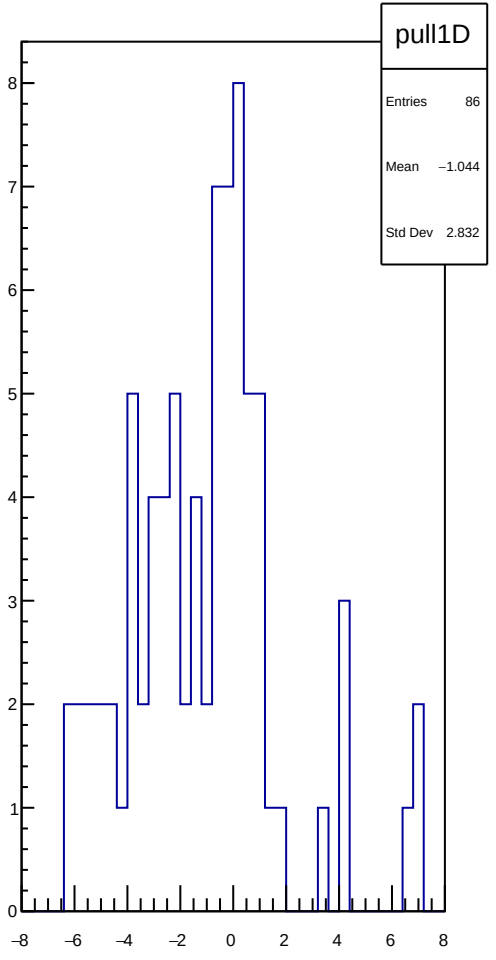

pull1D
Entries 86
Mean 0.06364
Std Dev 0.8579
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

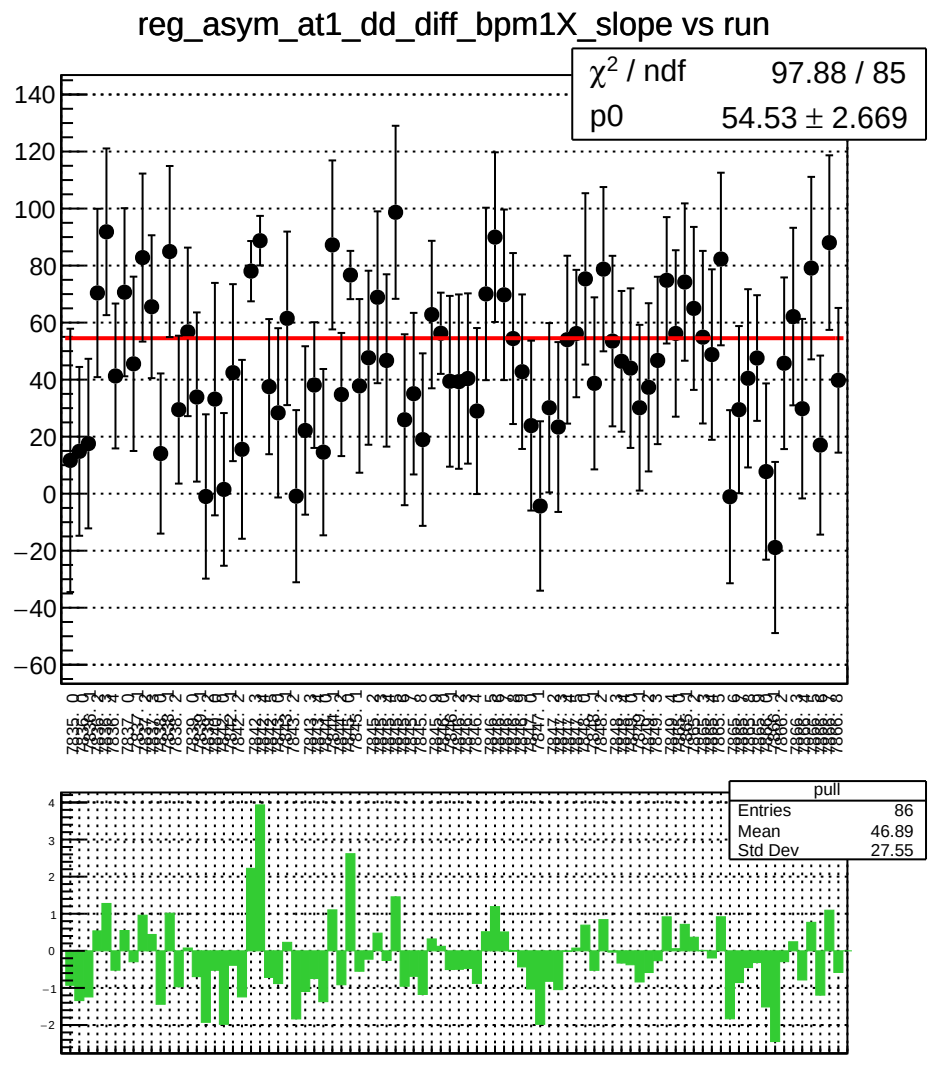

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 215.1 / 85
p0 43.91 ± 2.484
pull
Entries 86
Mean −78.38
Std Dev 126
pull1D
Entries 86
Mean −0.1481
Std Dev 1.575

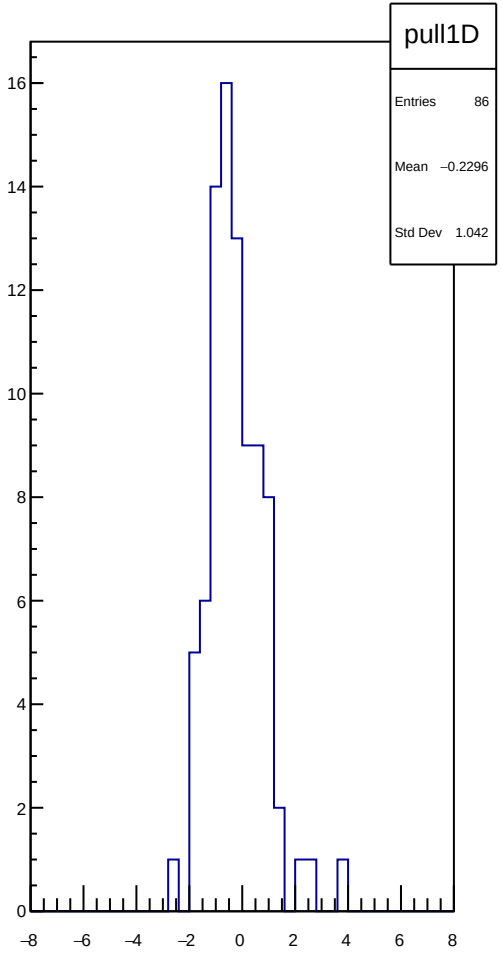

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.4 / 85
p0 −4.862 ± 3.934
pull
Entries 86
Mean 205.7
Std Dev 154.1

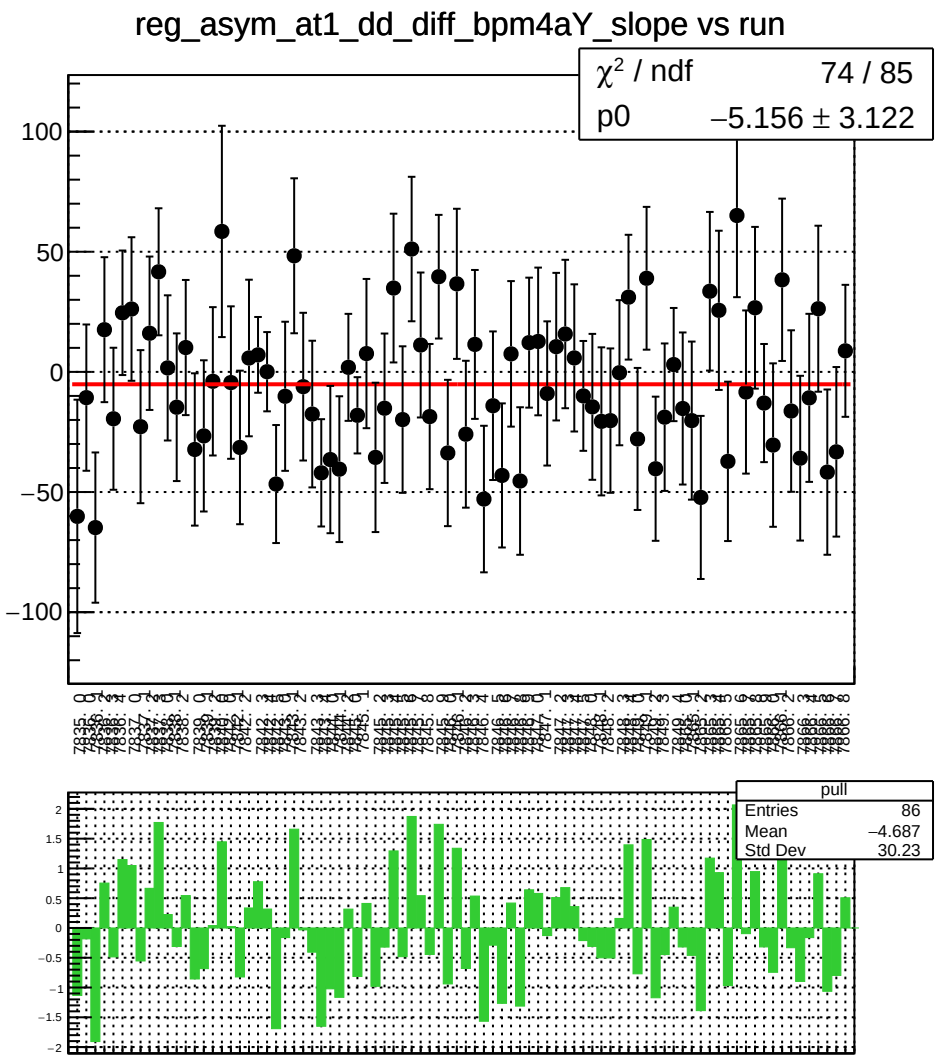

pull1D
Entries 86
Mean −0.03714
Std Dev 0.8302

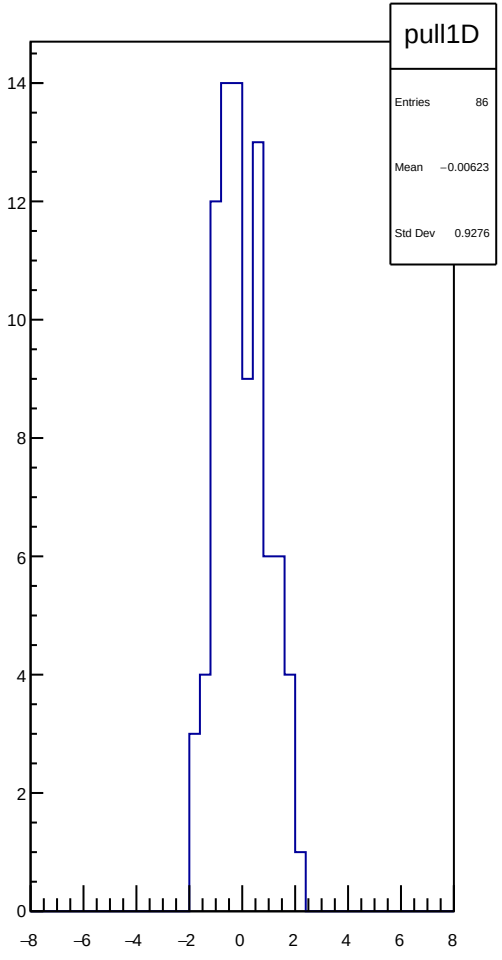

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 2100 / 85
p0 −30.42 ± 0.1183
pull
Entries 86
Mean 124.6
Std Dev 75.32

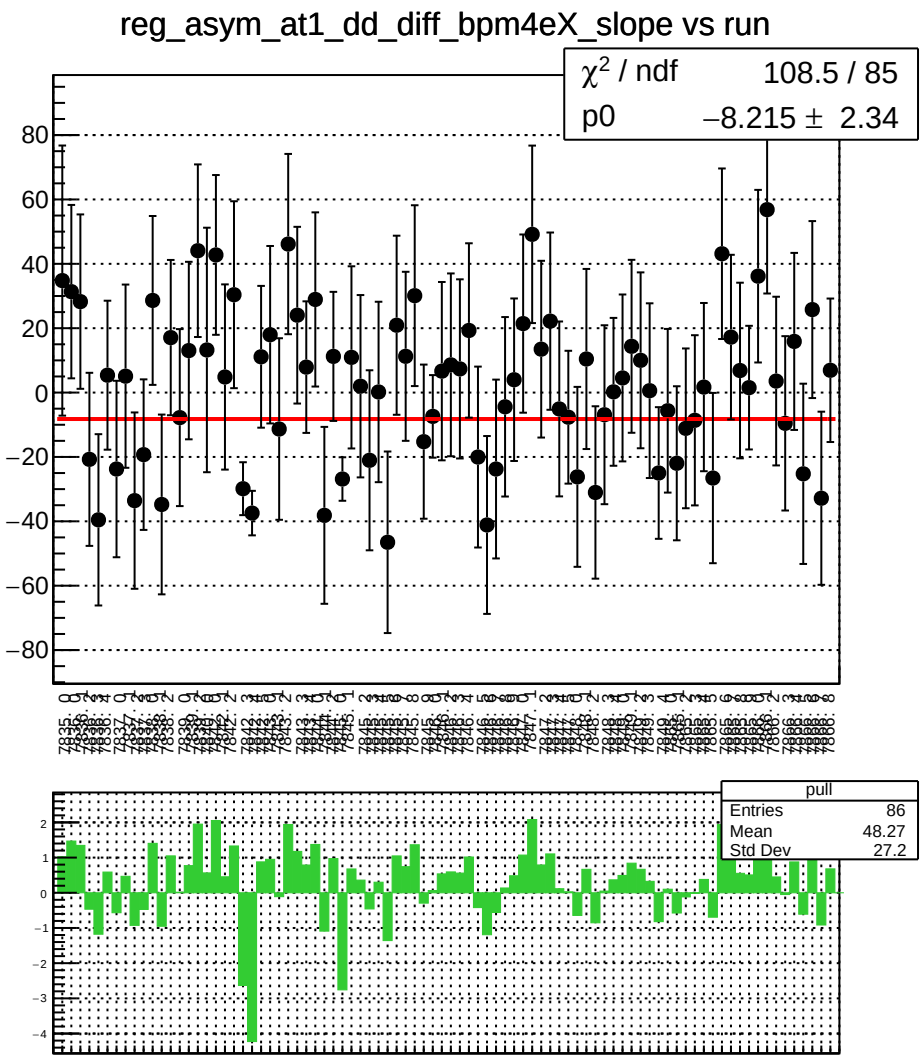

pull1D
Entries 86
Mean −1.044
Std Dev 2.832

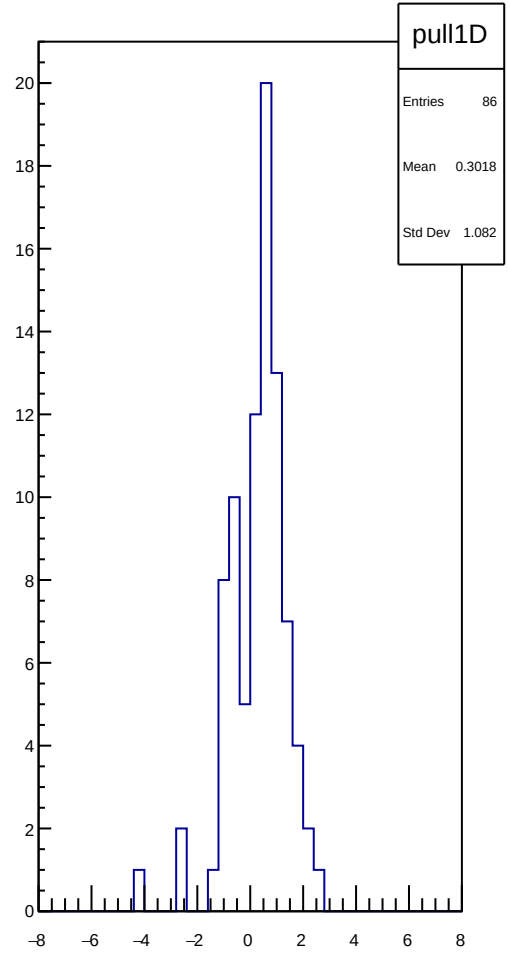

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 97.88 / 85
p0 54.53 ± 2.669
pull
Entries 86
Mean 46.89
Std Dev 27.55

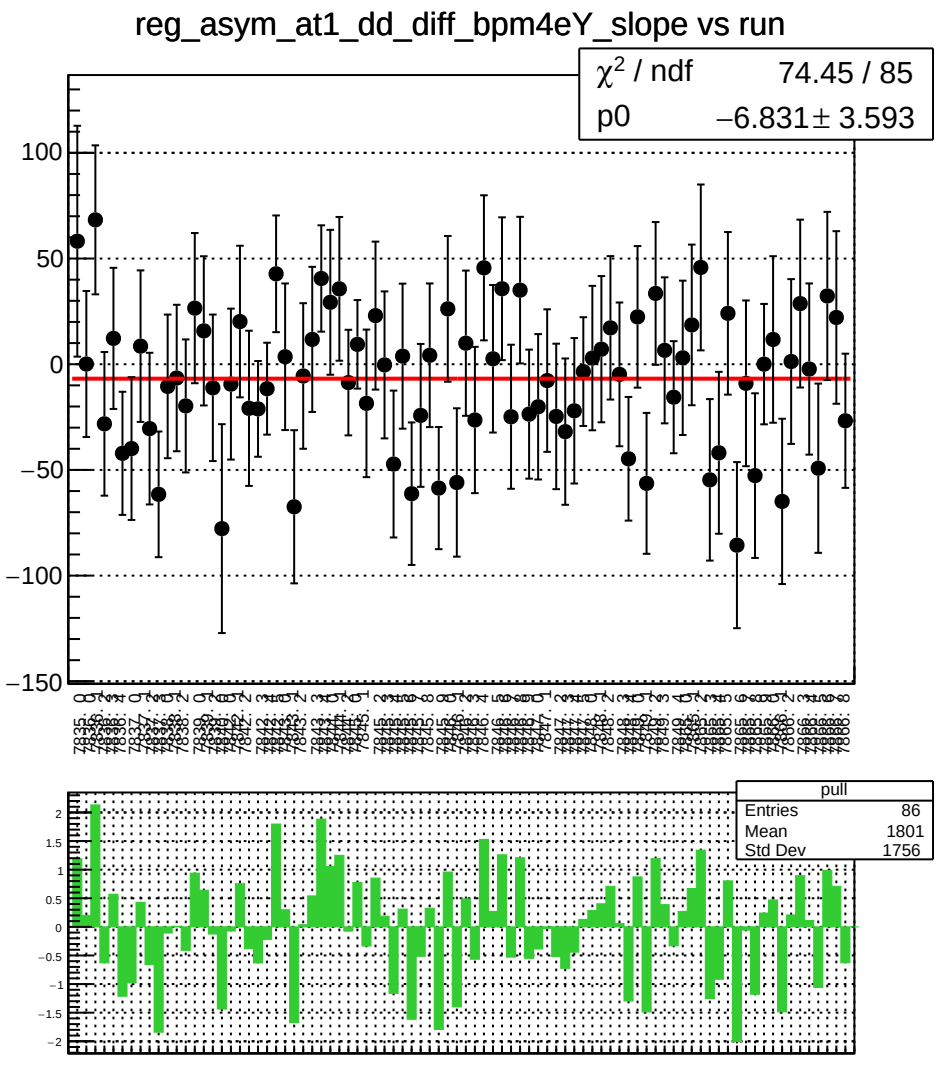

pull1D
Entries 86
Mean −0.2296
Std Dev 1.042

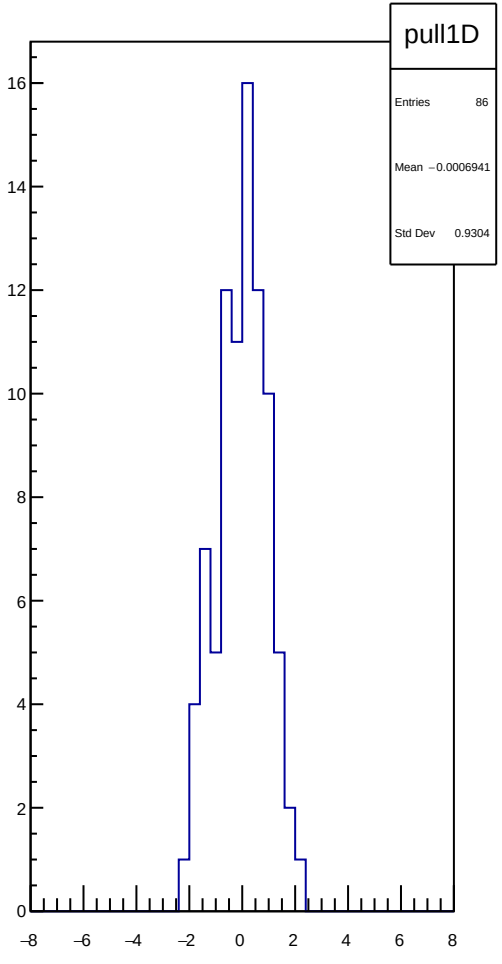

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 74 / 85
p0 −5.156 ± 3.122
100
50
0
−50
−100
pull
Entries 86
Mean −4.687
Std Dev 30.23
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

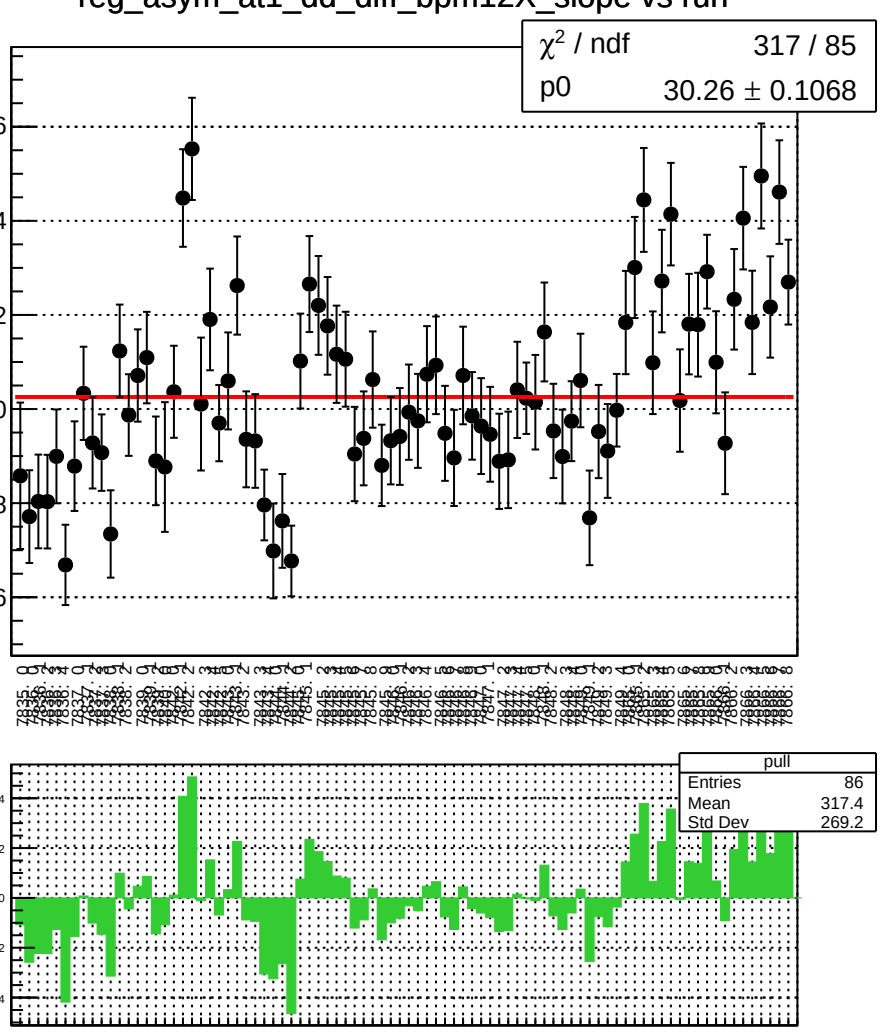

pull1D
Entries 86
Mean −0.00623
Std Dev 0.9276
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

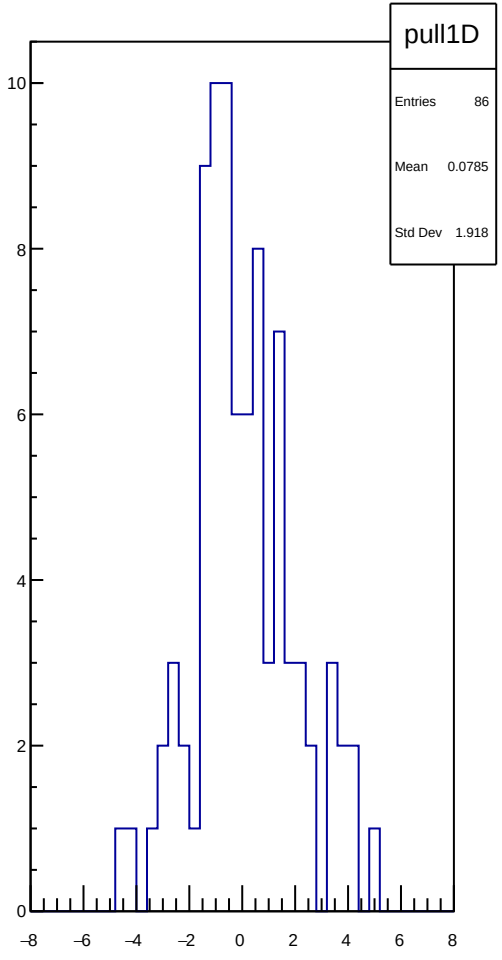

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 108.5 / 85
p0 −8.215 ± 2.34
pull
Entries 86
Mean 48.27
Std Dev 27.2

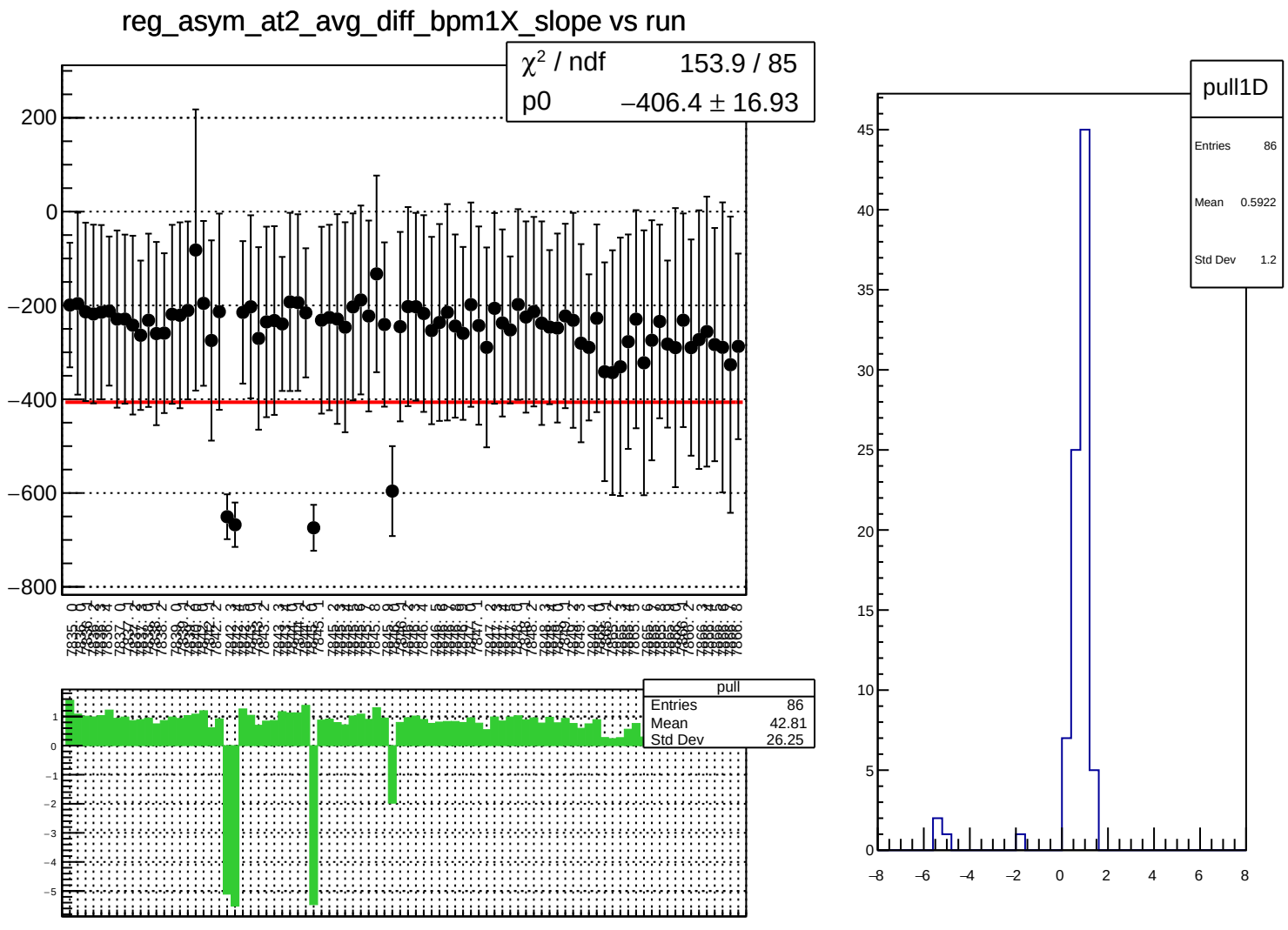

pull1D
Entries 86
Mean 0.3018
Std Dev 1.082

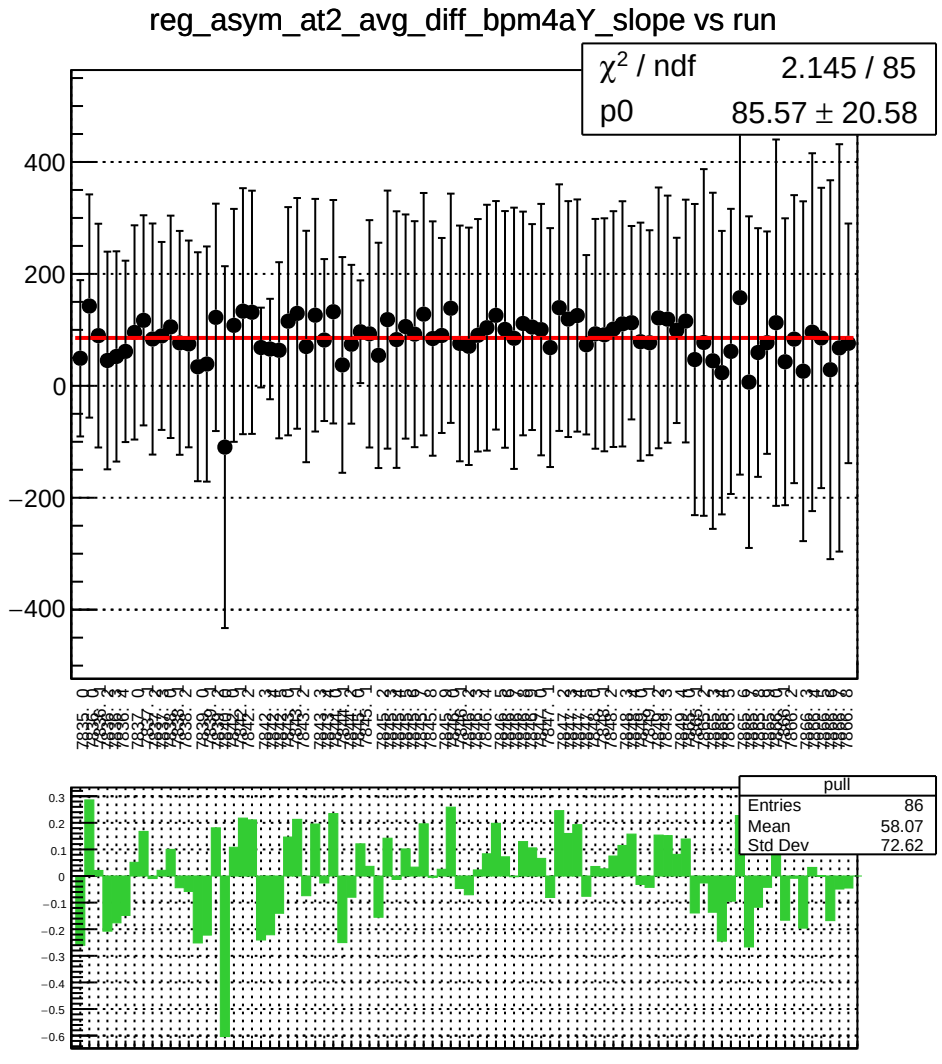

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.45 / 85
p0 −6.831 ± 3.593
pull
Entries 86
Mean 1801
Std Dev 1756

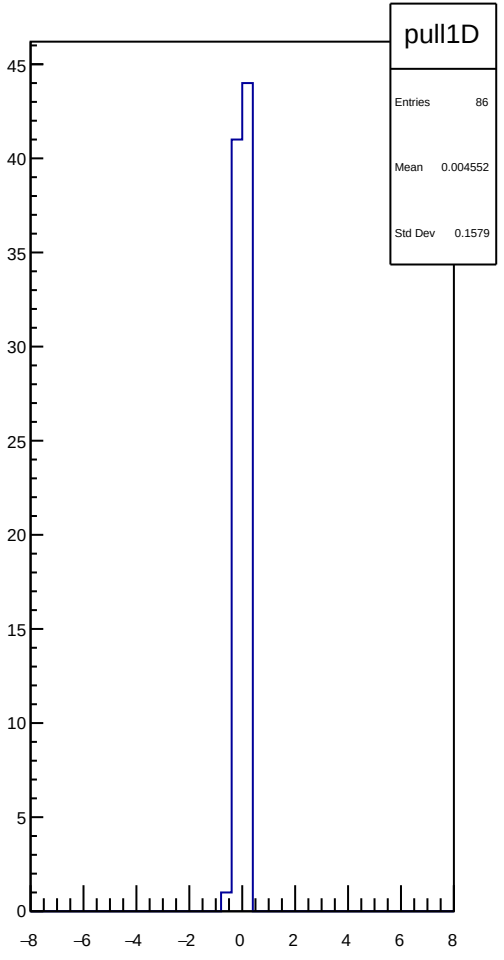

pull1D
Entries 86
Mean −0.0006941
Std Dev 0.9304

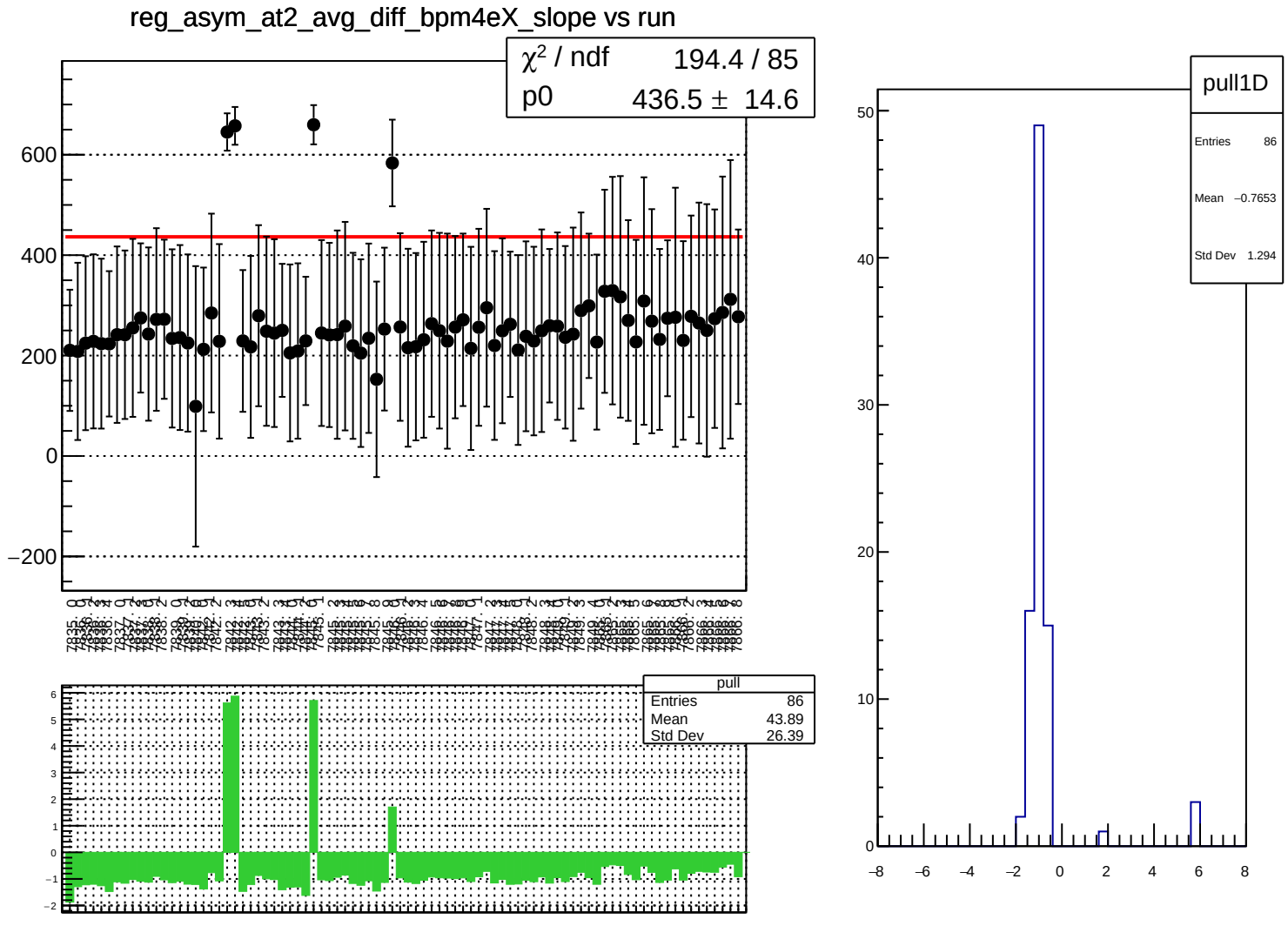

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 317 / 85
p0 30.26 ± 0.1068
pull
Entries 86
Mean 317.4
Std Dev 269.2

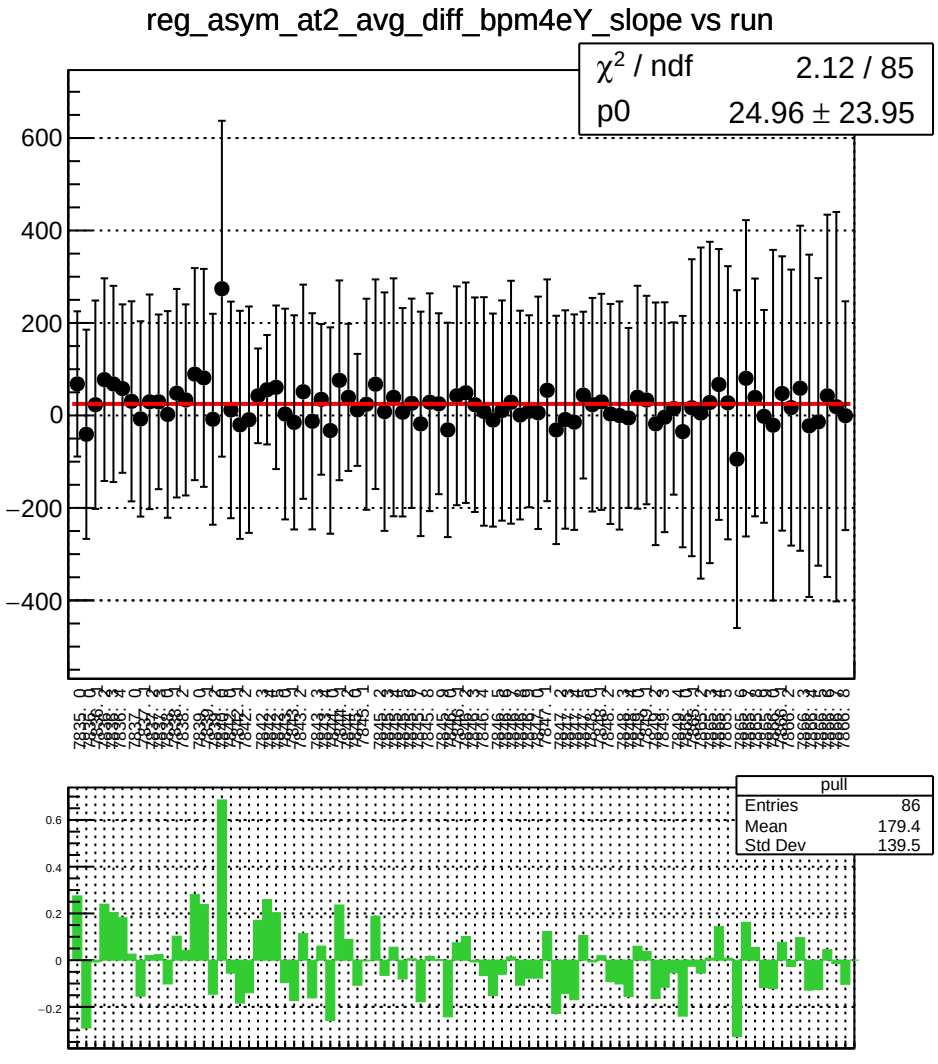

pull1D
Entries 86
Mean 0.0785
Std Dev 1.918

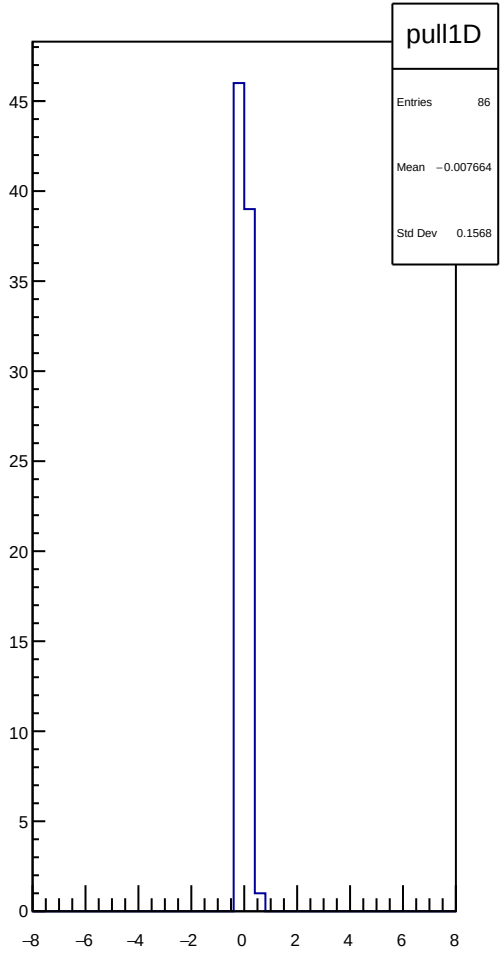

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 153.9 / 85
p0 −406.4 ± 16.93
pull
Entries 86
Mean 42.81
Std Dev 26.25
pull1D
Entries 86
Mean 0.5922
Std Dev 1.2

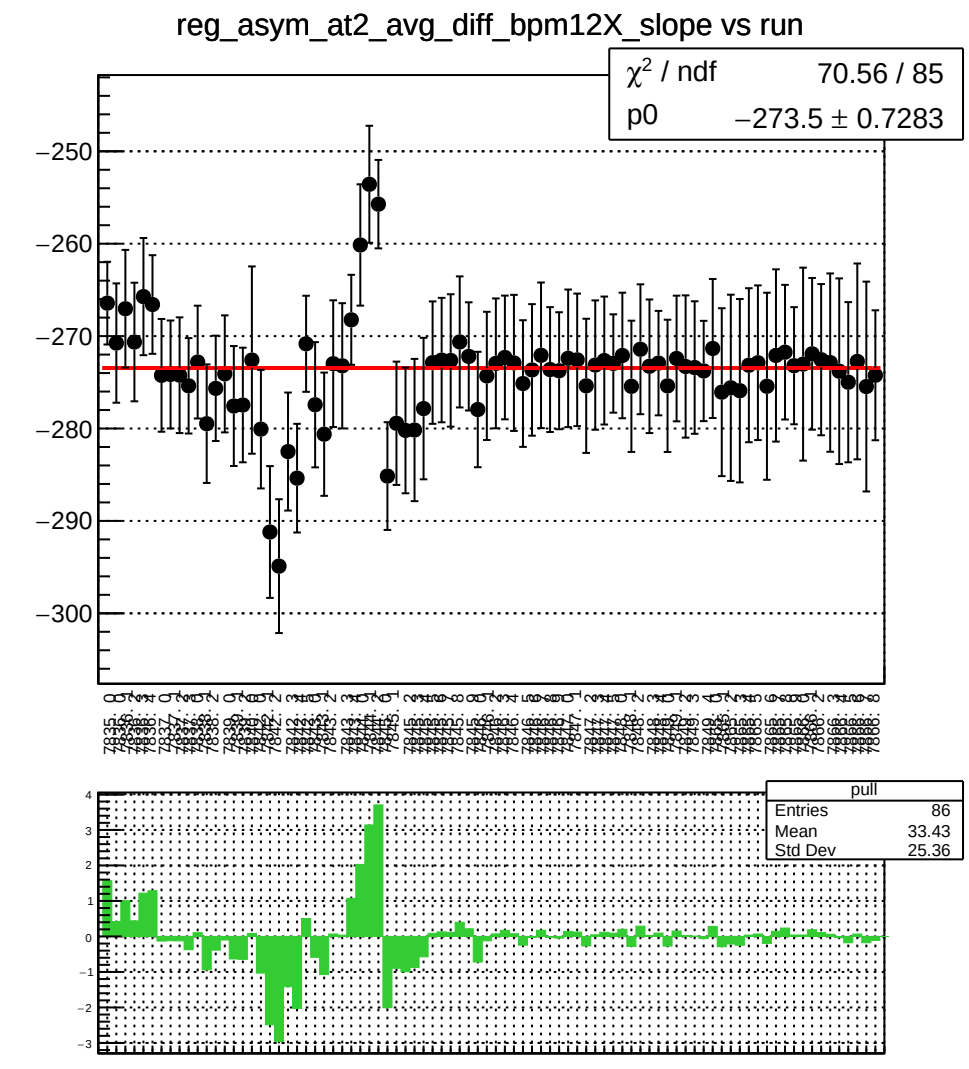

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.145 / 85
p0 85.57 ± 20.58
400
200
0
−200
−400
pull
Entries 86
Mean 58.07
Std Dev 72.62
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

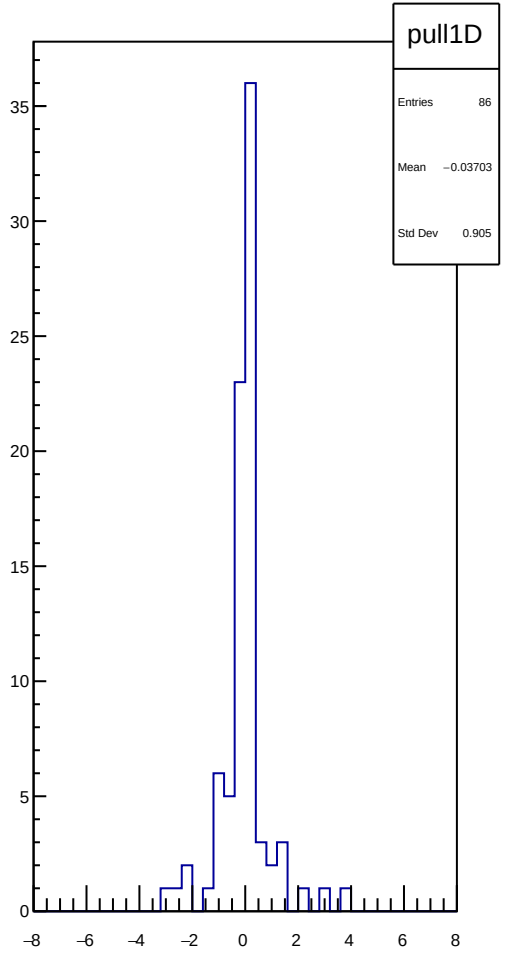

pull1D
Entries 86
Mean 0.004552
Std Dev 0.1579
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

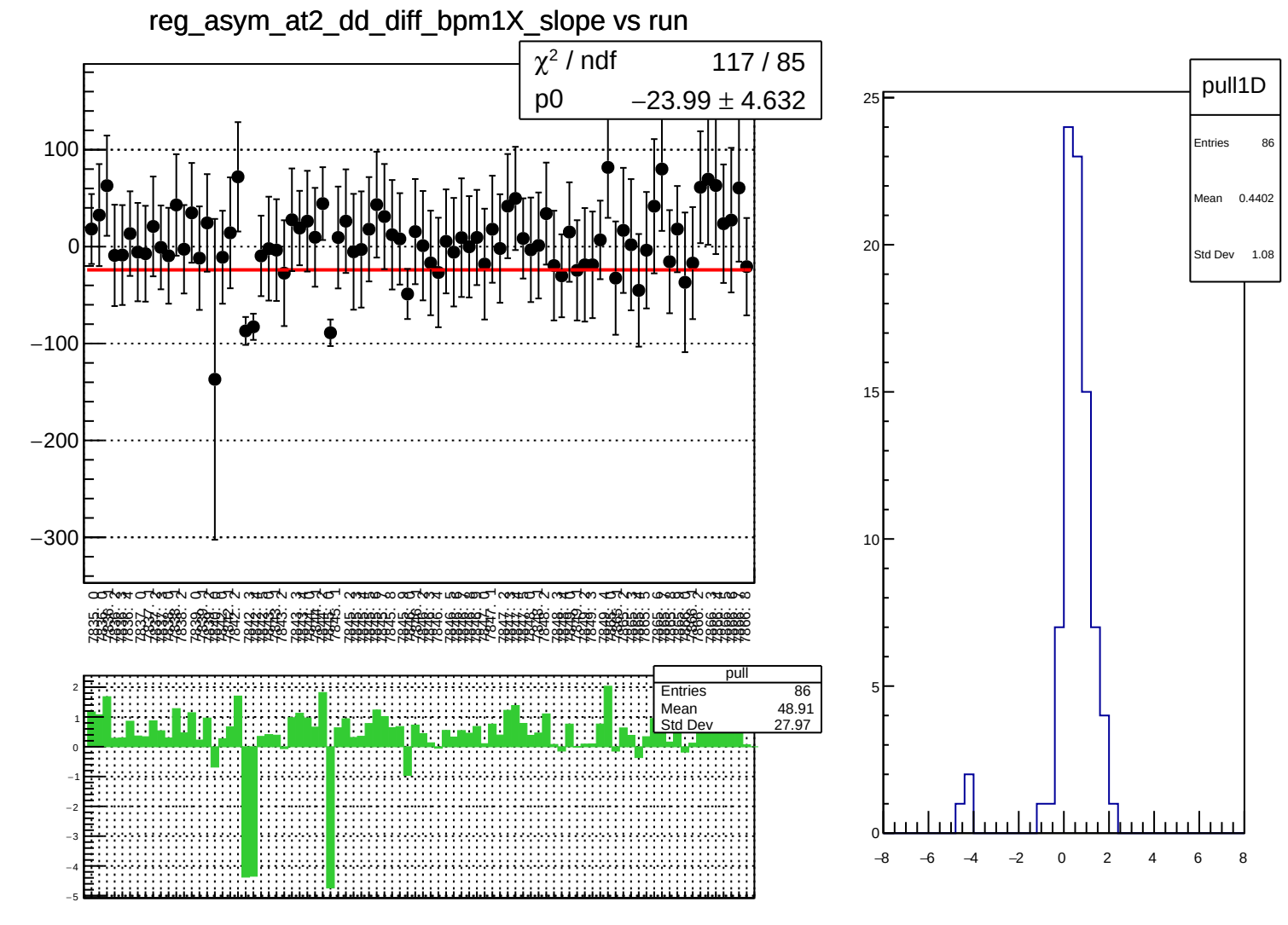

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 194.4 / 85
p0 436.5 ± 14.6
600
400
200
0
−200
pull
Entries 86
Mean 43.89
Std Dev 26.39
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.7653
Std Dev 1.294
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

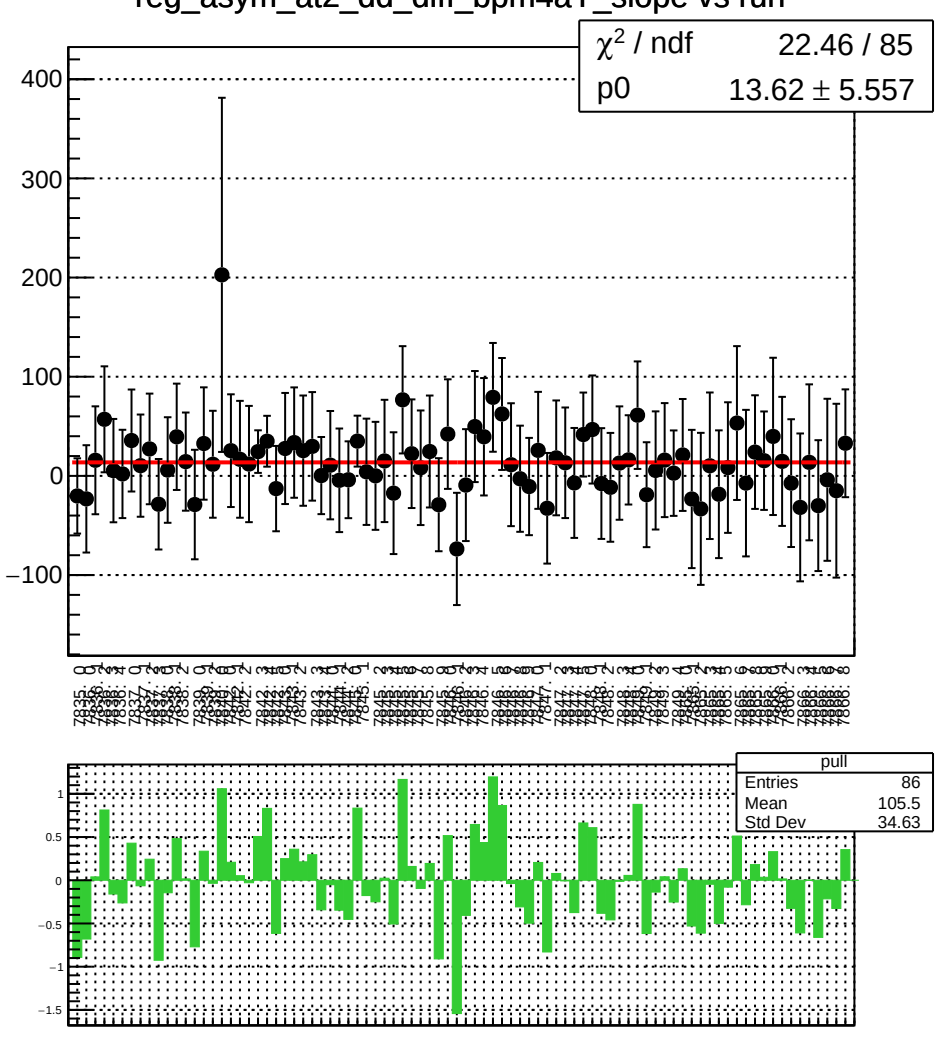

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.12 / 85
p0 24.96 ± 23.95
600
400
200
0
−200
−400
pull
Entries 86
Mean 179.4
Std Dev 139.5
0.6
0.4
0.2
0
−0.2

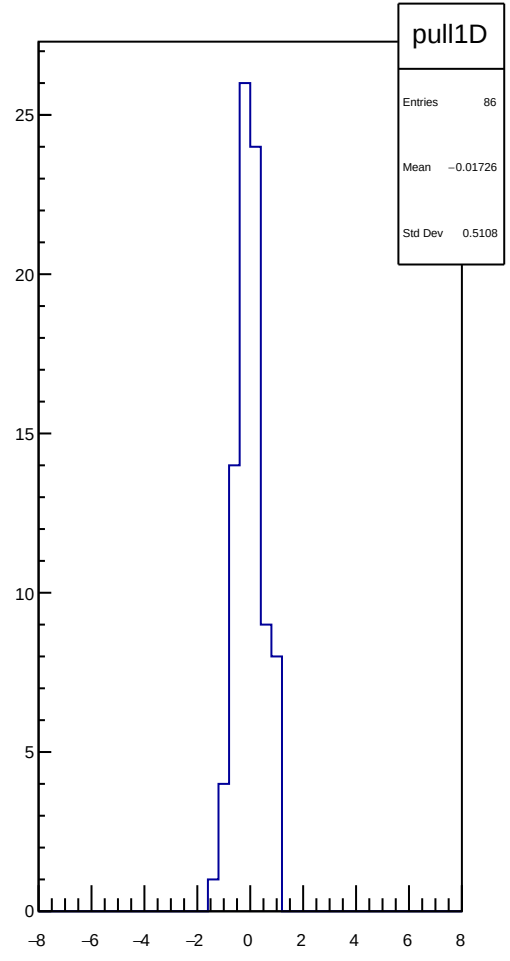

pull1D
Entries 86
Mean −0.007664
Std Dev 0.1568
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

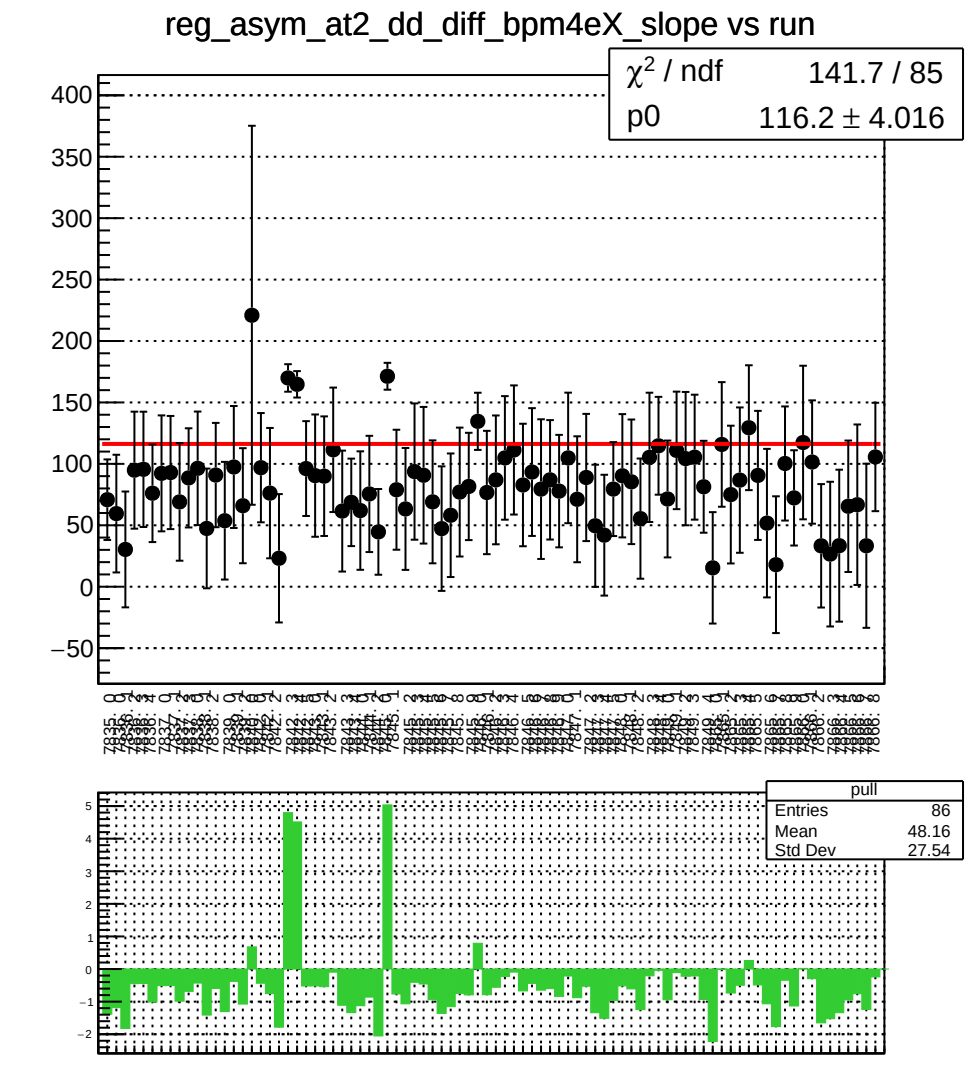

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 70.56 / 85
p0 −273.5 ± 0.7283
−250
−260
−270
−280
−290
−300
pull
Entries 86
Mean 33.43
Std Dev 25.36
4
3
2
1
0
−1
−2
−3

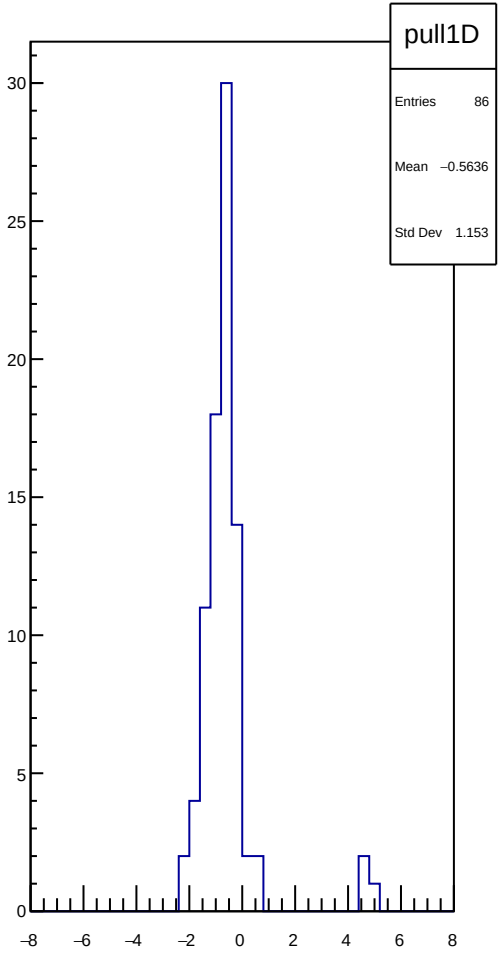

pull1D
Entries 86
Mean −0.03703
Std Dev 0.905
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

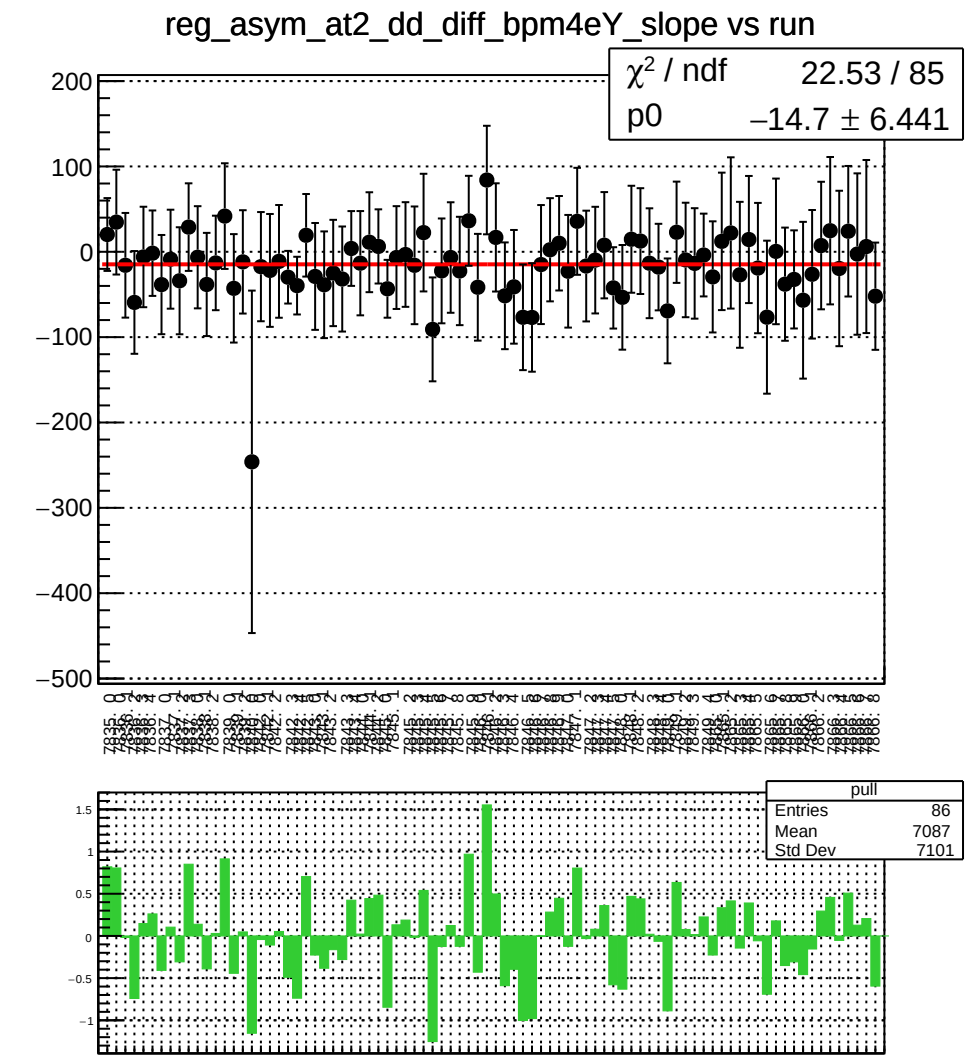

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 117 / 85
p0 −23.99 ± 4.632
pull
Entries 86
Mean 48.91
Std Dev 27.97
pull1D
Entries 86
Mean 0.4402
Std Dev 1.08

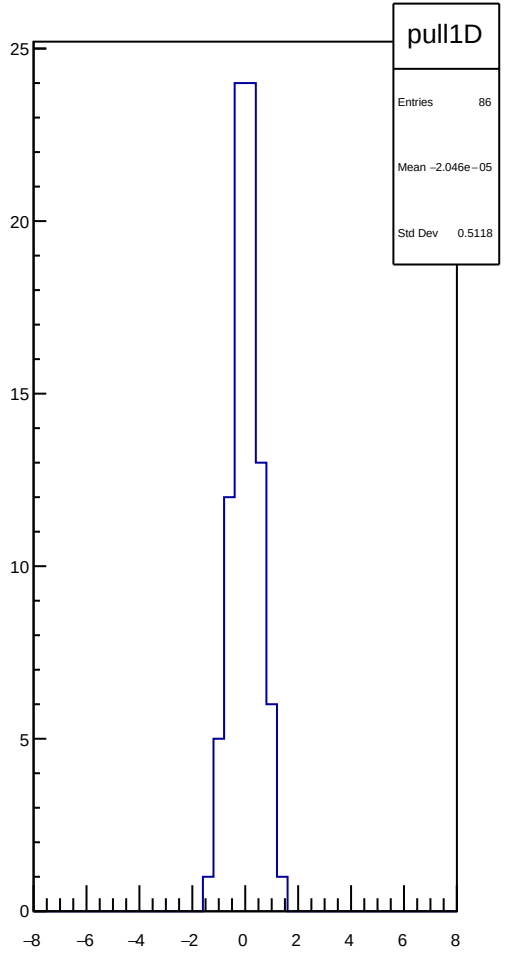

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.46 / 85
p0 13.62 ± 5.557
pull
Entries 86
Mean 105.5
Std Dev 34.63

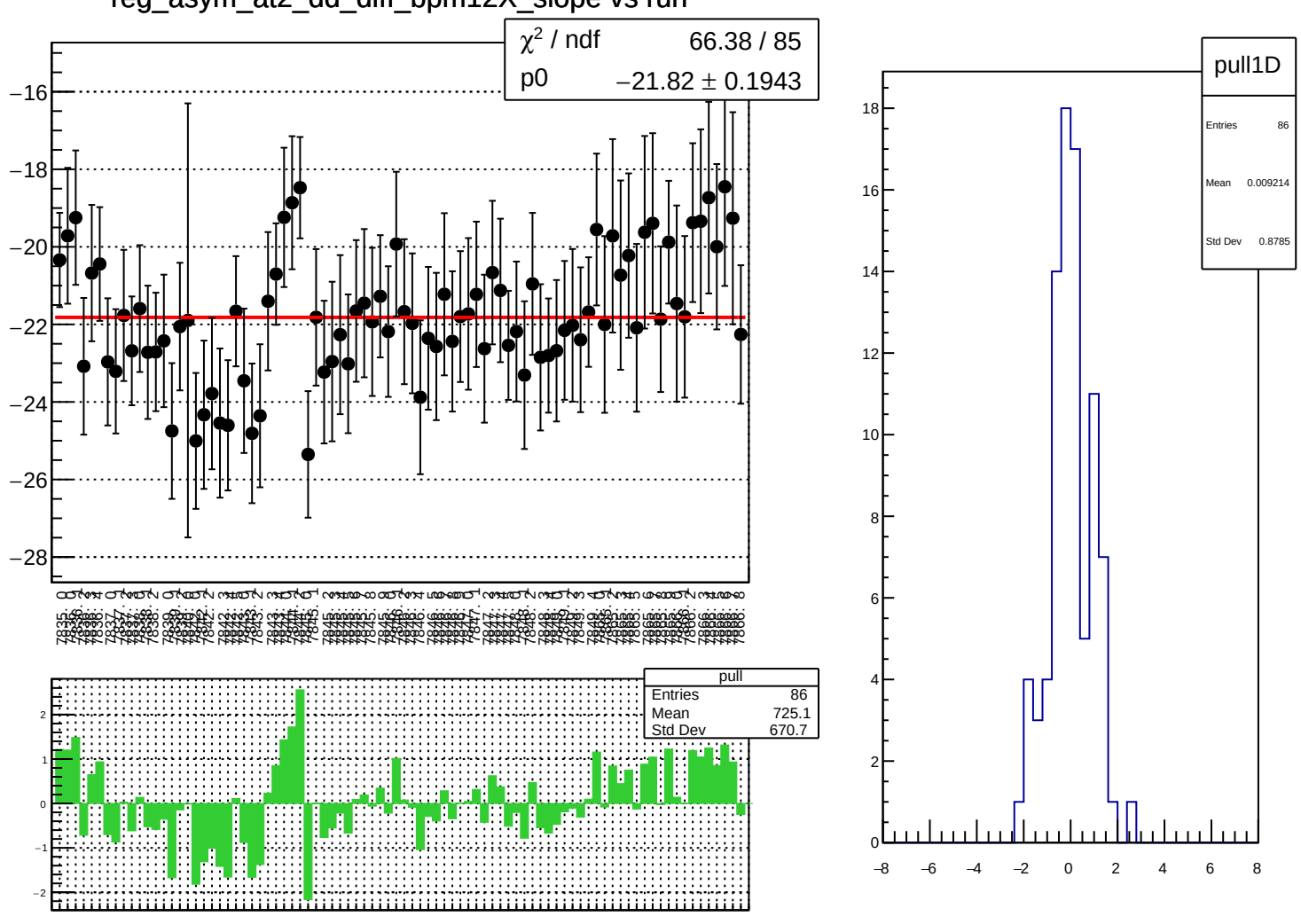

pull1D
Entries 86
Mean −0.01726
Std Dev 0.5108

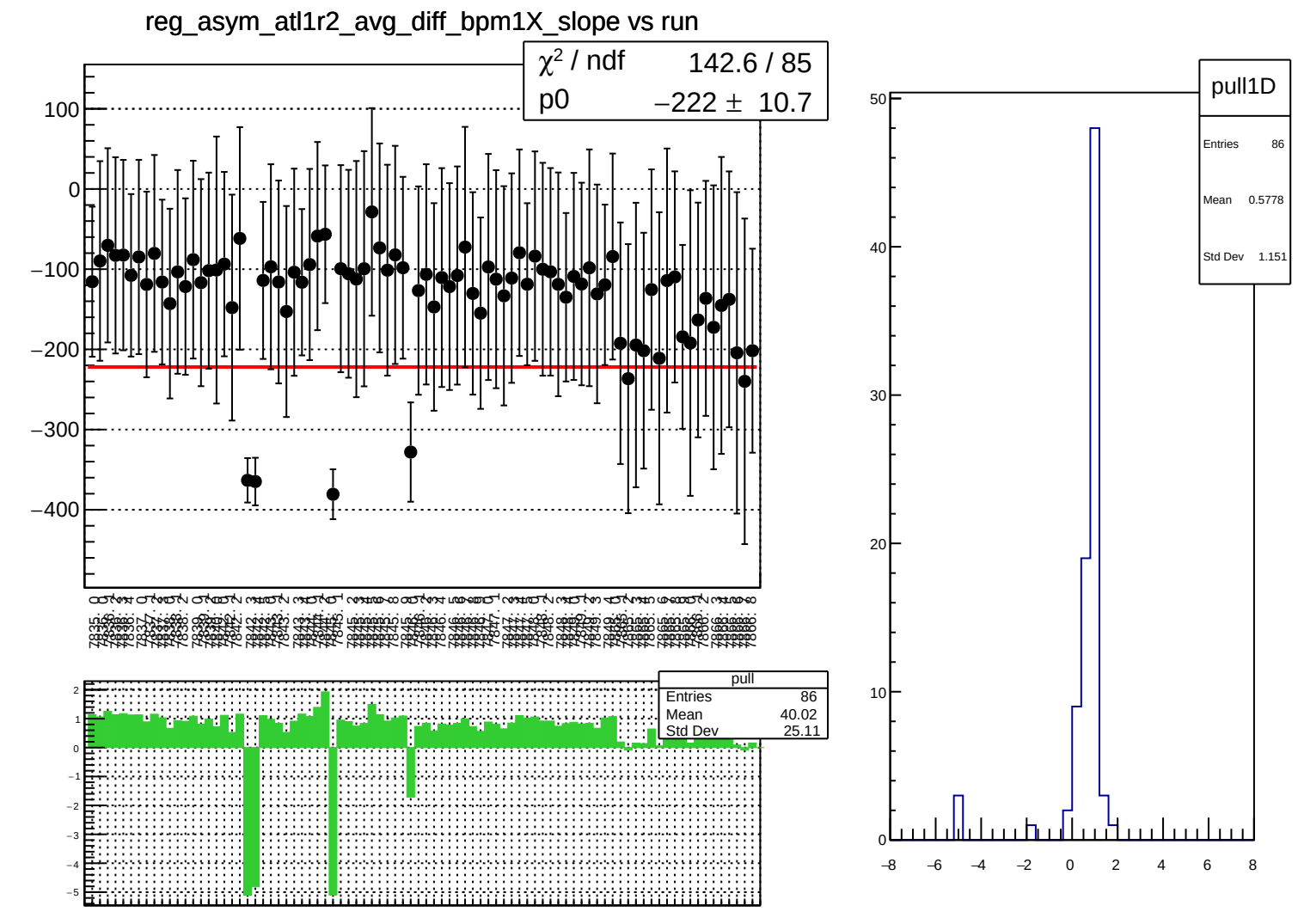

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 141.7 / 85
p0 116.2 ± 4.016
pull
Entries 86
Mean 48.16
Std Dev 27.54

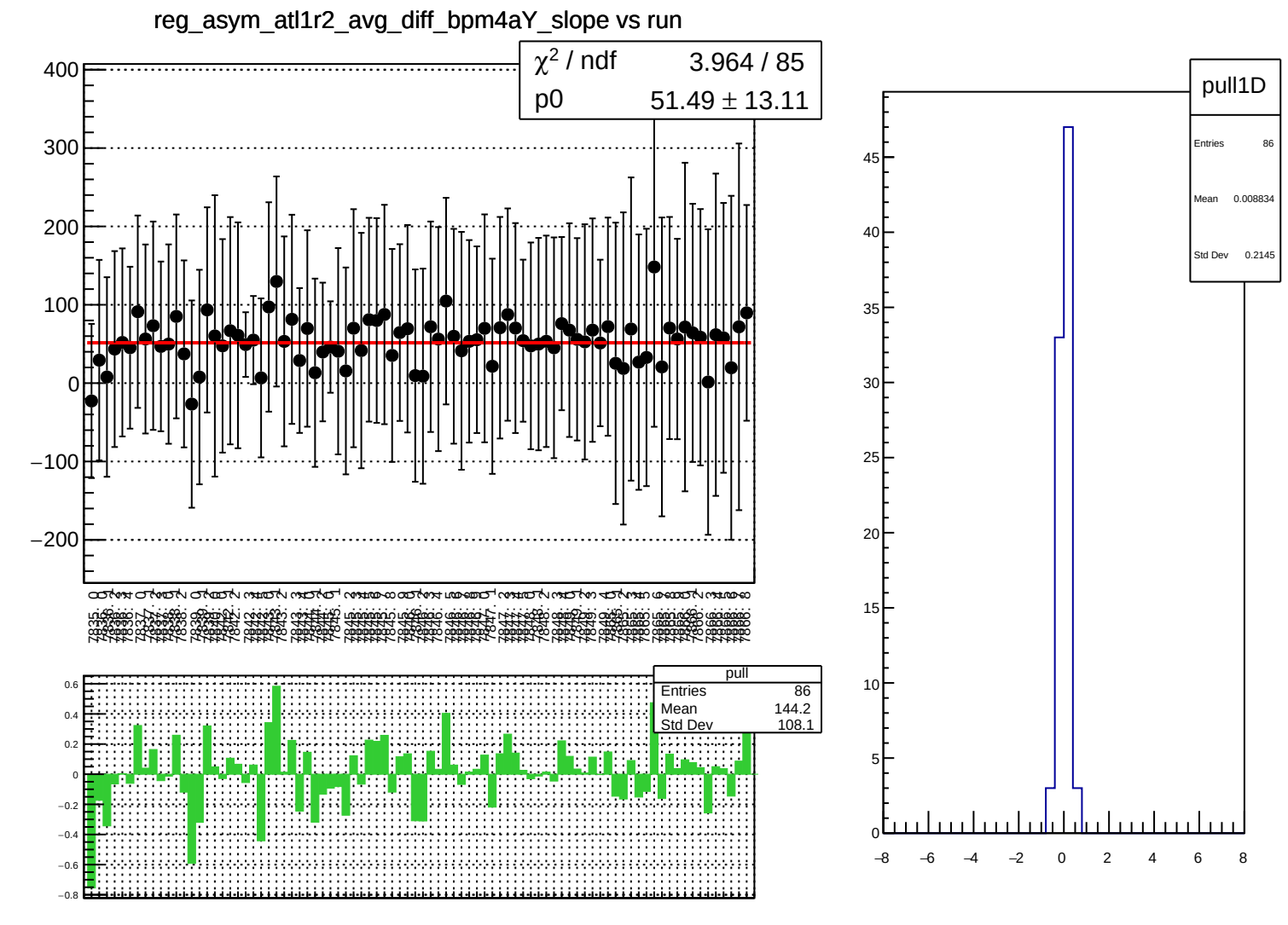

pull1D
Entries 86
Mean −0.5636
Std Dev 1.153

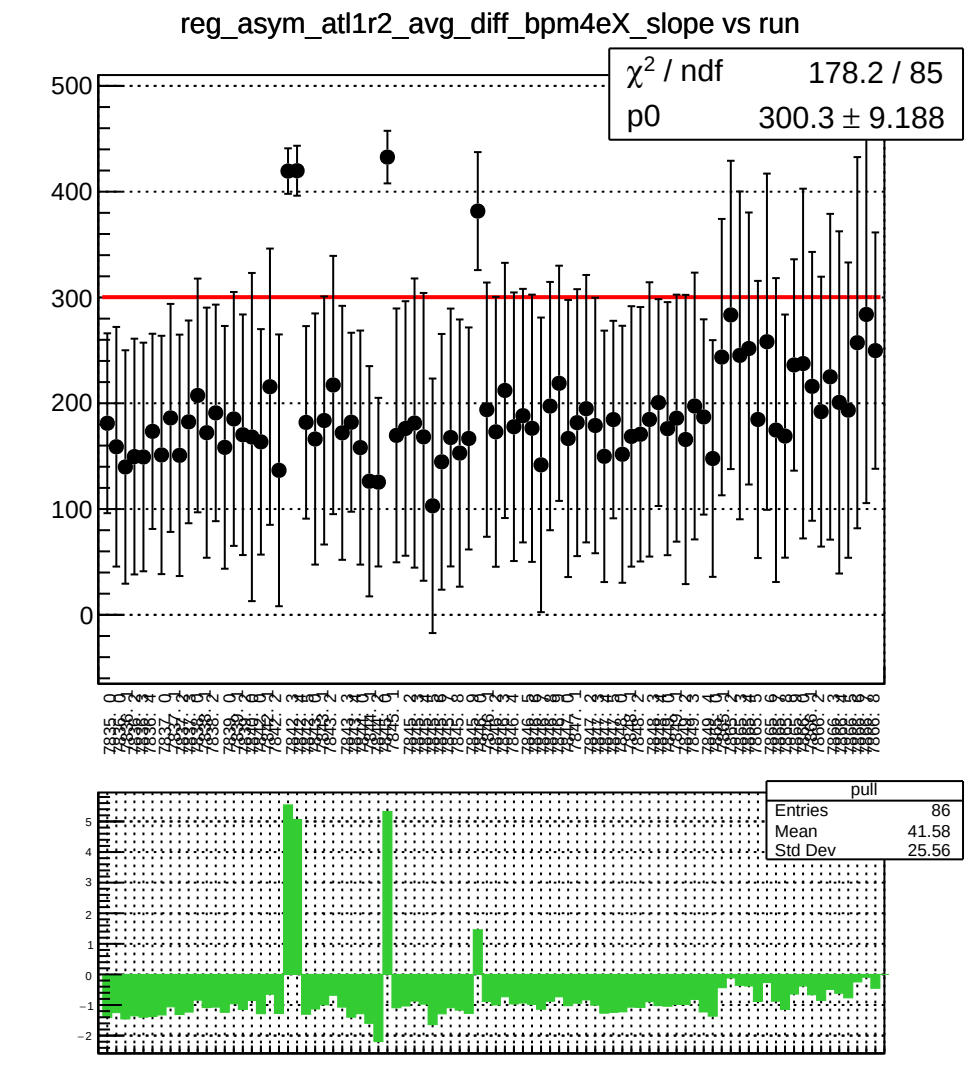

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.53 / 85
p0 −14.7 ± 6.441
pull
Entries 86
Mean 7087
Std Dev 7101

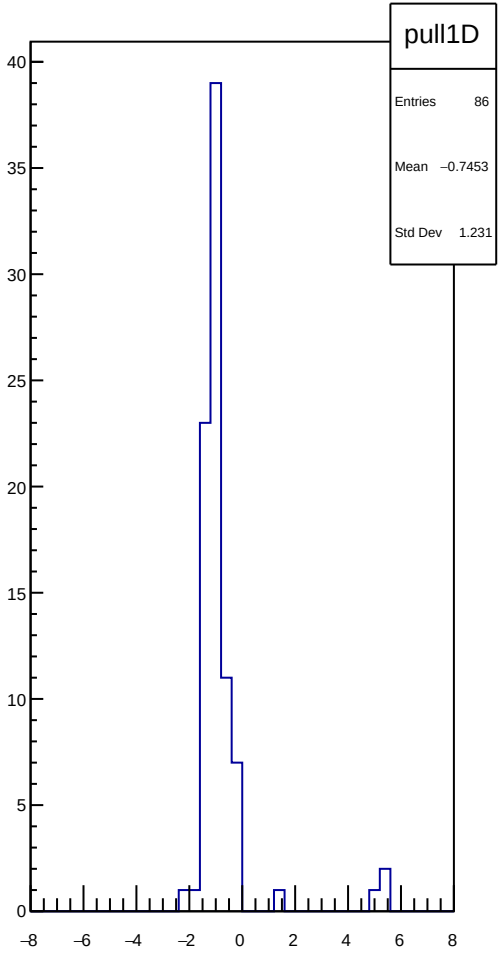

pull1D
Entries 86
Mean −2.046e−05
Std Dev 0.5118

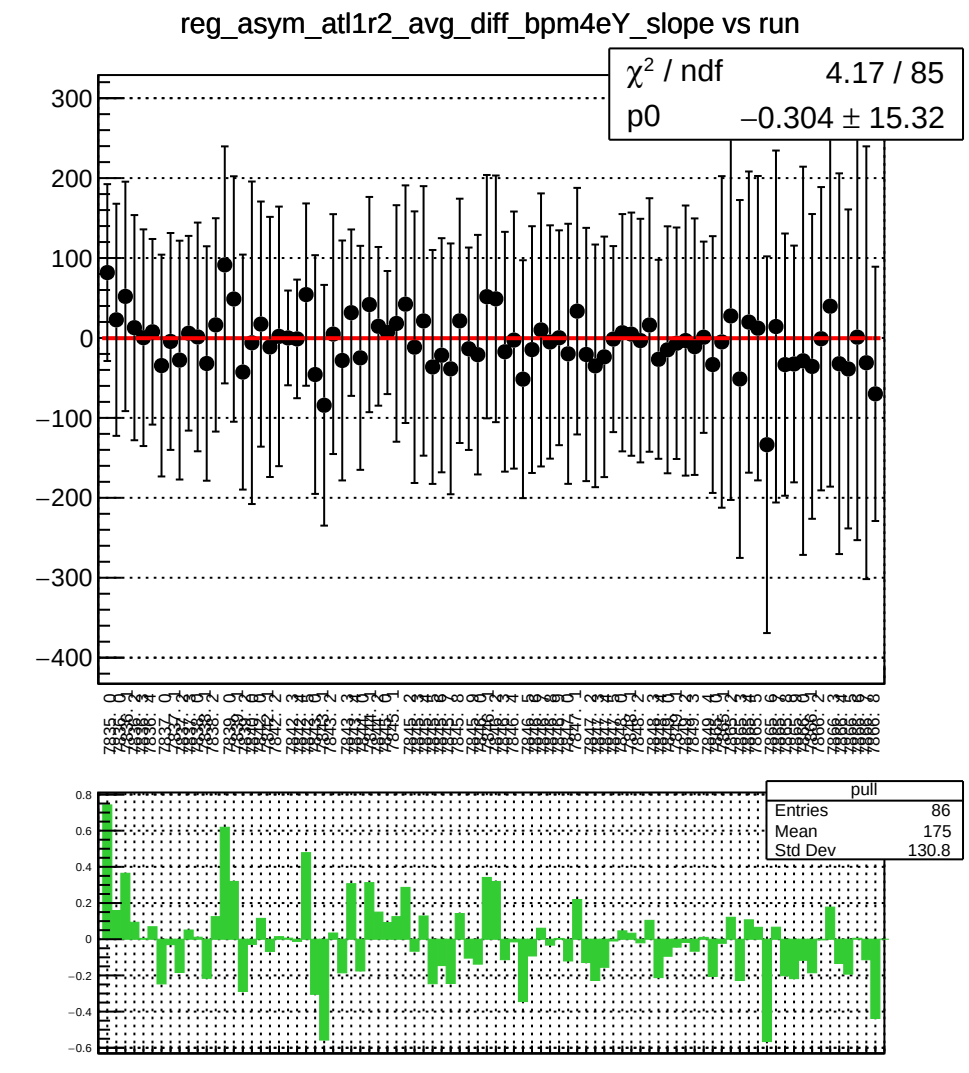

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 66.38 / 85
p0 −21.82 ± 0.1943
pull
Entries 86
Mean 725.1
Std Dev 670.7
pull1D
Entries 86
Mean 0.009214
Std Dev 0.8785

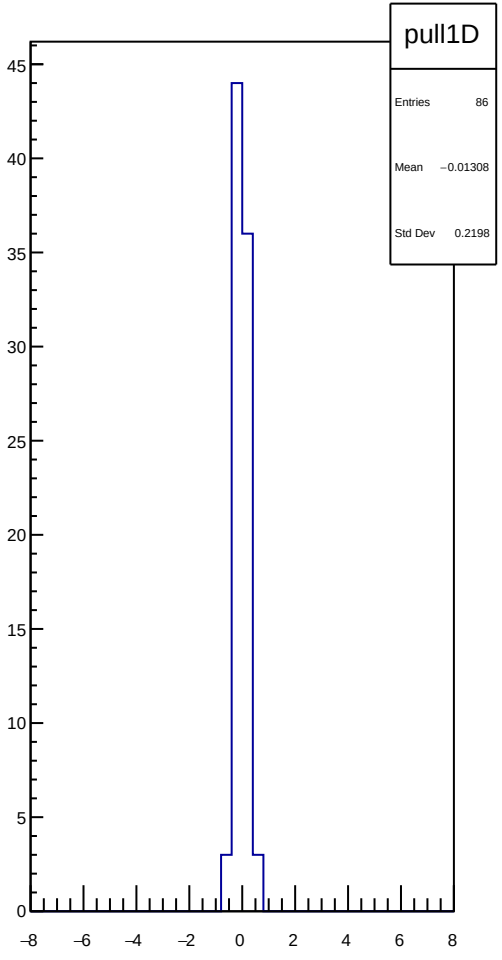

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 142.6 / 85
p0 −222 ± 10.7
100
0
−100
−200
−300
−400
pull
Entries 86
Mean 40.02
Std Dev 25.11
pull1D
Entries 86
Mean 0.5778
Std Dev 1.151
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

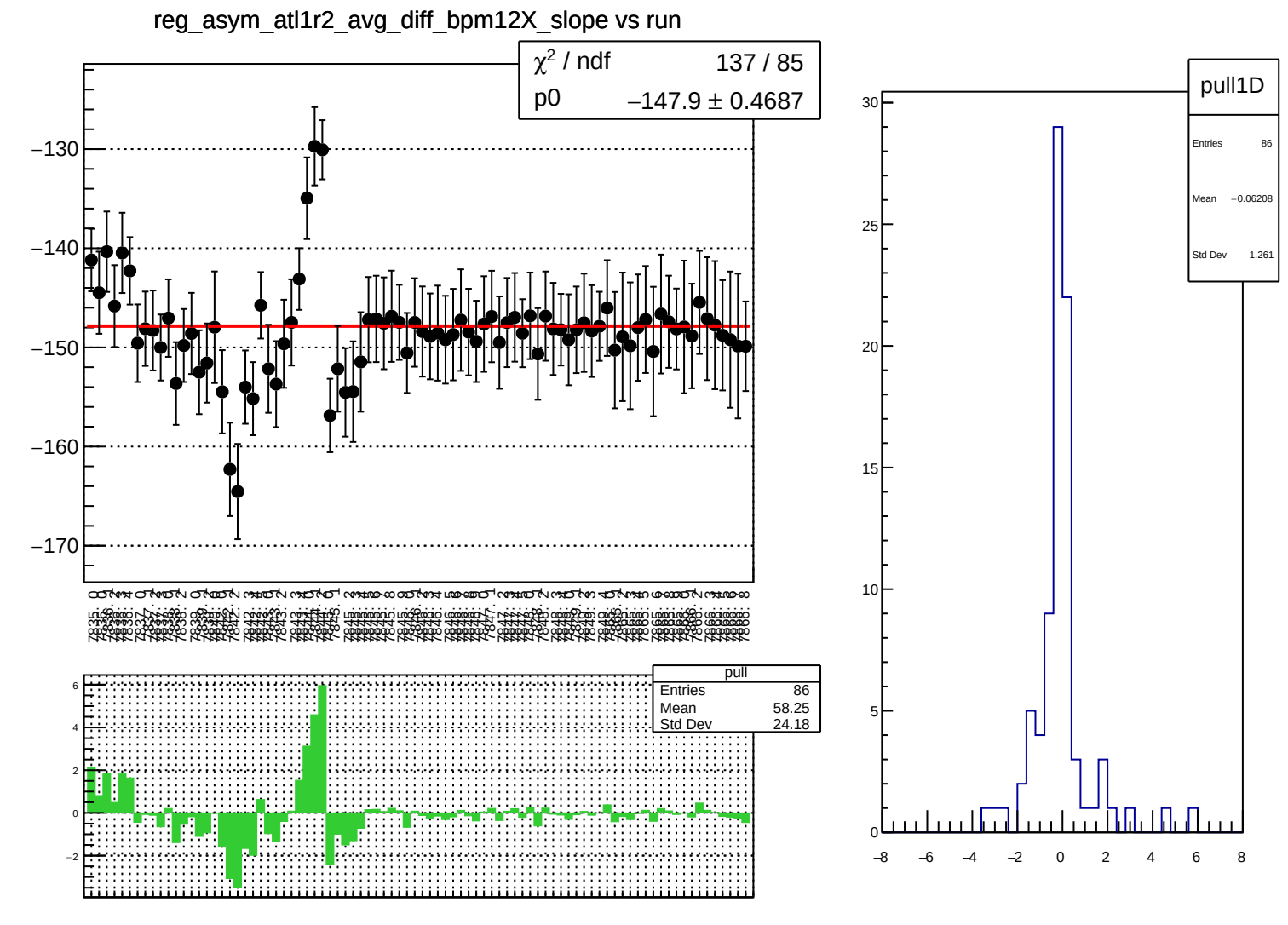

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.964 / 85
p0 51.49 ± 13.11
pull
Entries 86
Mean 144.2
Std Dev 108.1
pull1D
Entries 86
Mean 0.008834
Std Dev 0.2145

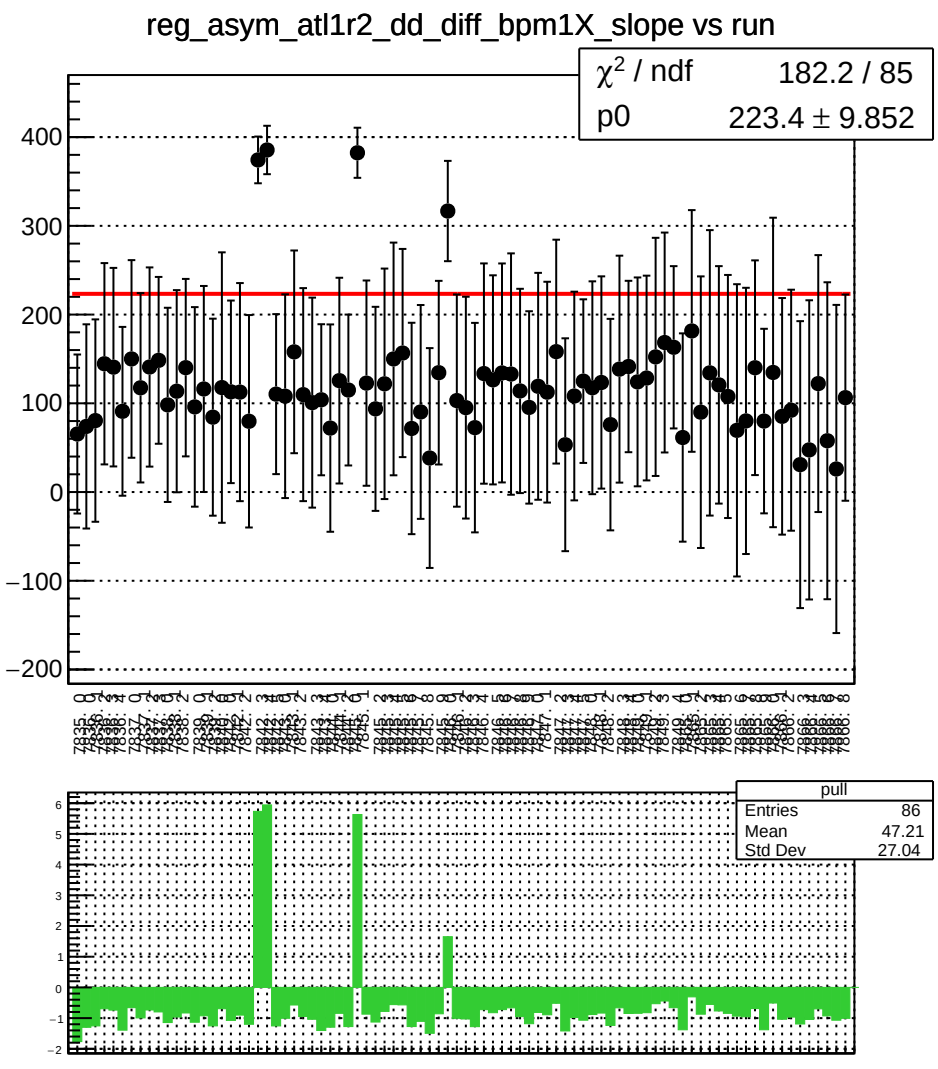

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 178.2 / 85
p0 300.3 ± 9.188
pull
Entries 86
Mean 41.58
Std Dev 25.56

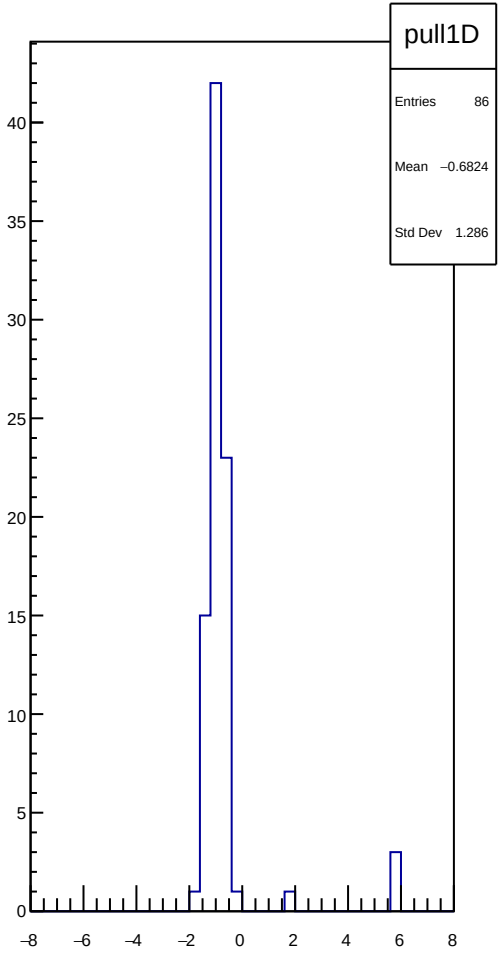

pull1D
Entries 86
Mean −0.7453
Std Dev 1.231

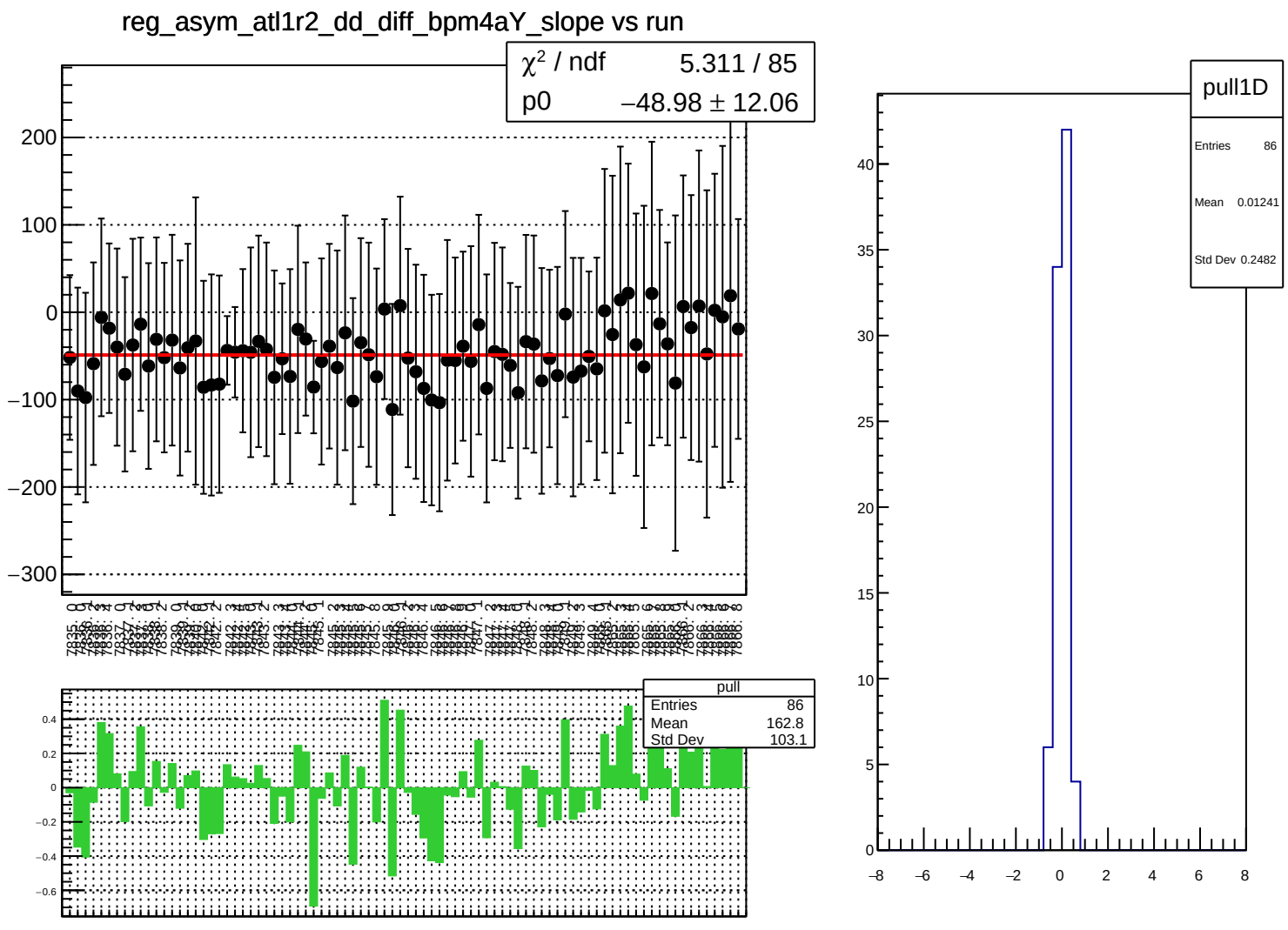

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.17 / 85
p0 −0.304 ± 15.32
300
200
100
0
−100
−200
−300
−400
pull
Entries 86
Mean 175
Std Dev 130.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

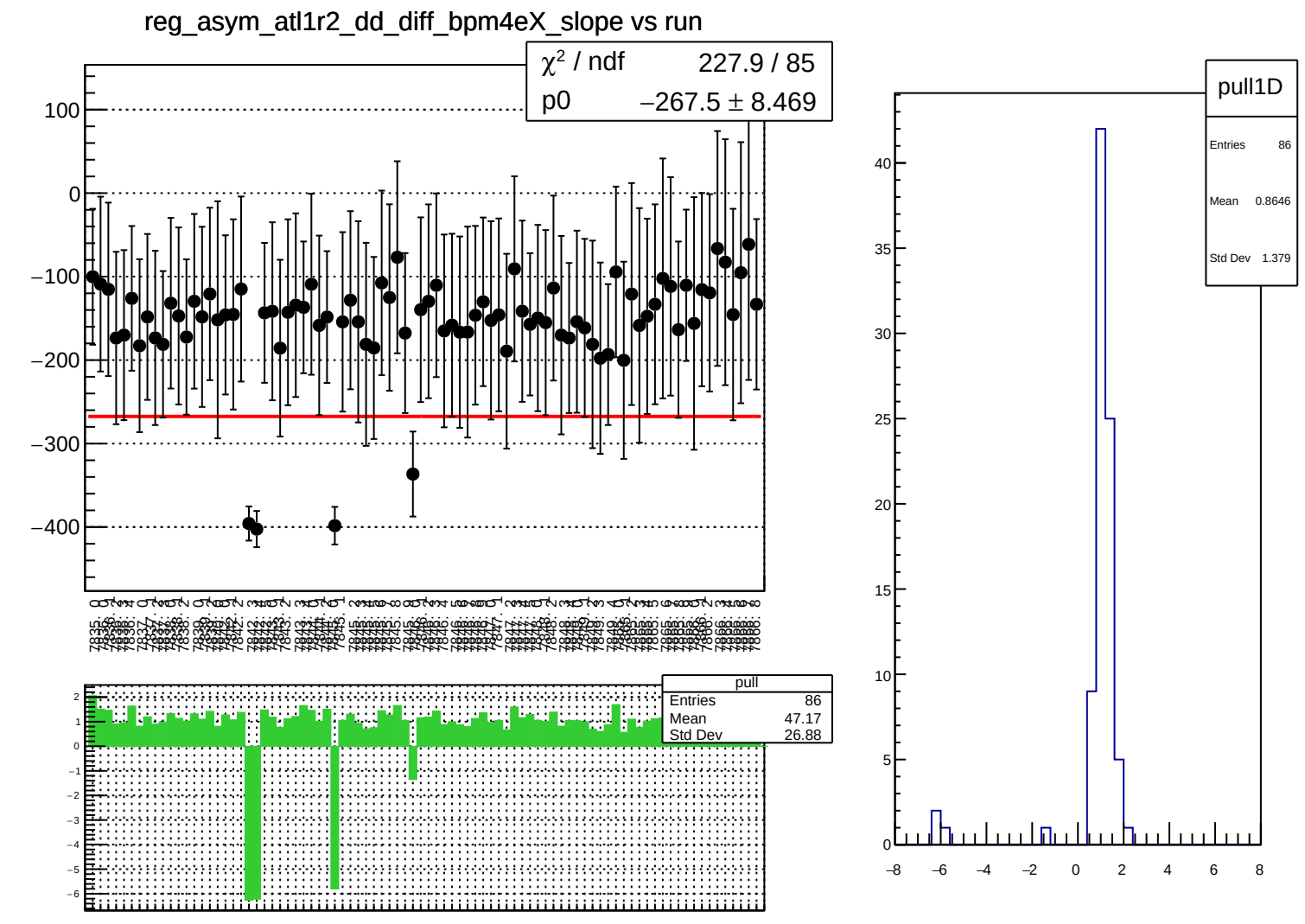

pull1D
Entries 86
Mean −0.01308
Std Dev 0.2198
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

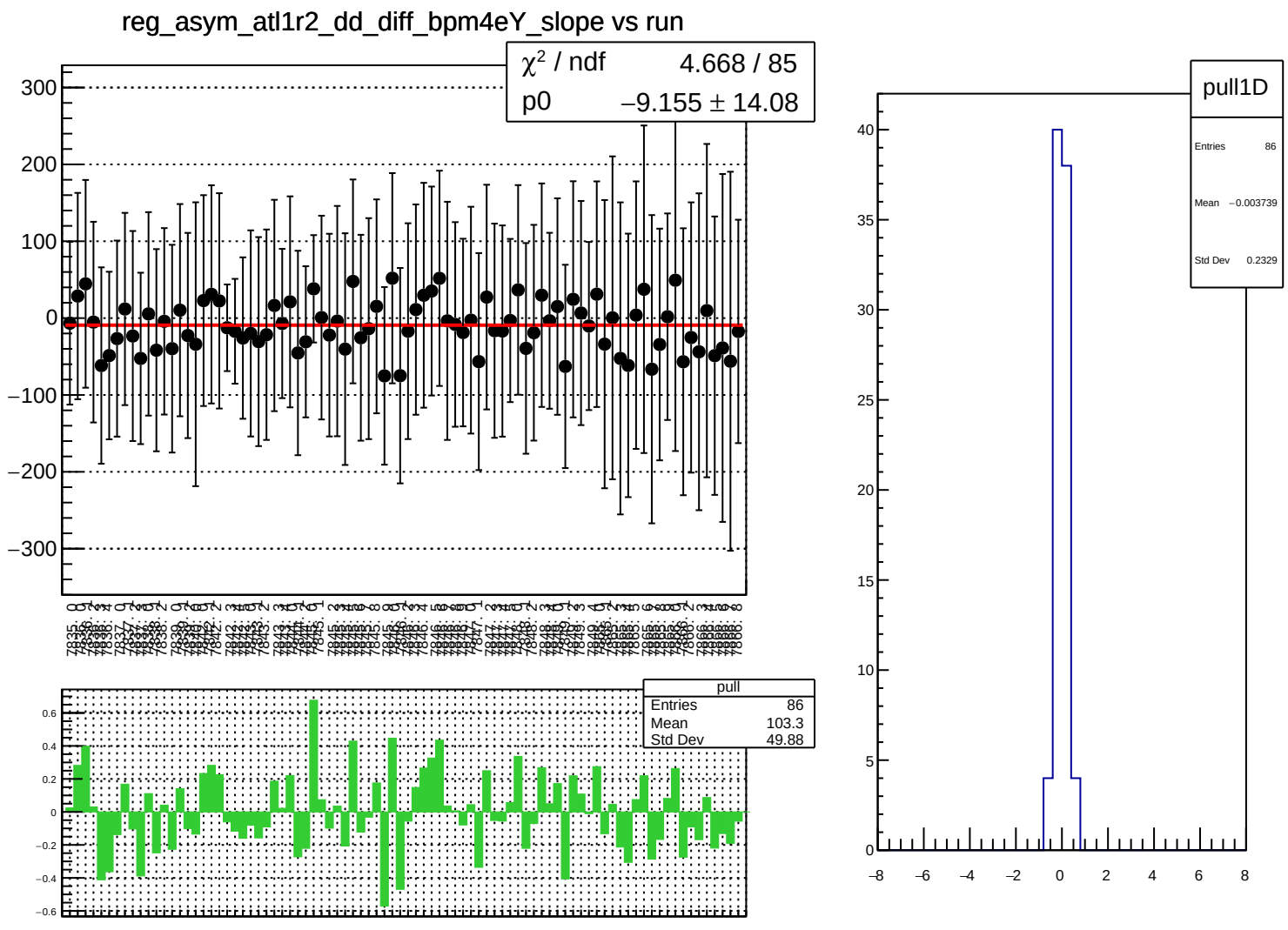

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 137 / 85
p0 −147.9 ± 0.4687
−130
−140
−150
−160
−170
pull
Entries 86
Mean 58.25
Std Dev 24.18
6
4
2
0
−2
pull1D
Entries 86
Mean −0.06208
Std Dev 1.261
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

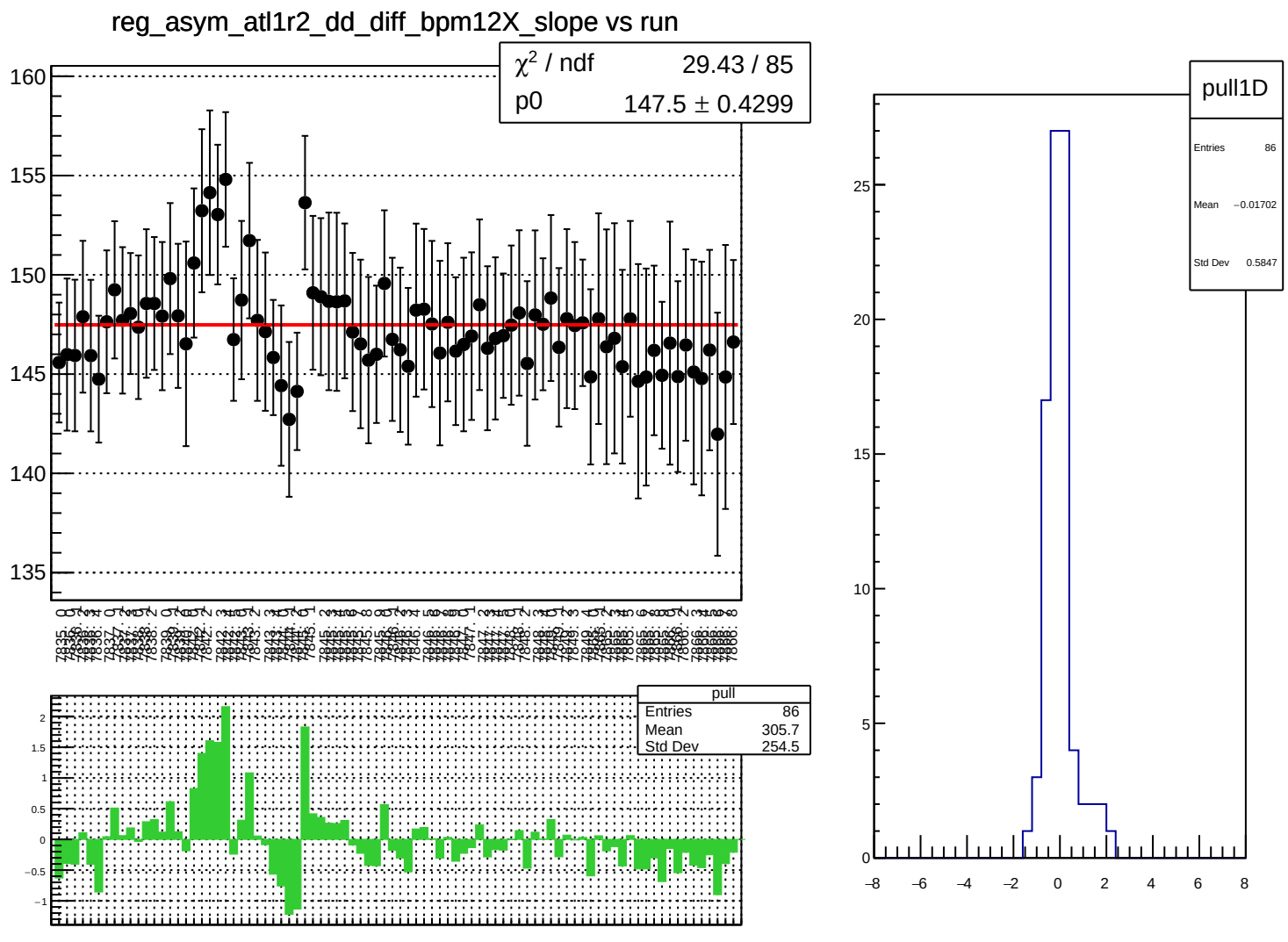

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 182.2 / 85
p0 223.4 ± 9.852
pull
Entries 86
Mean 47.21
Std Dev 27.04

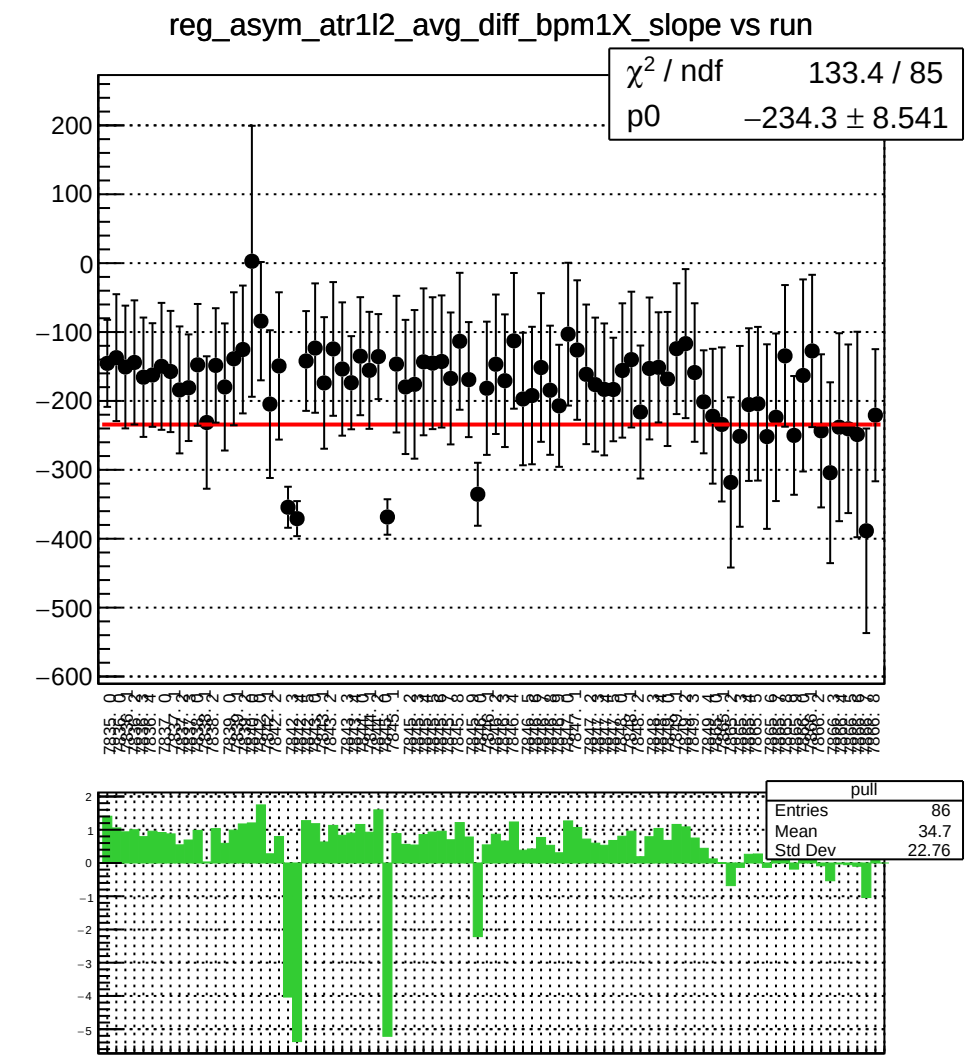

pull1D
Entries 86
Mean −0.6824
Std Dev 1.286

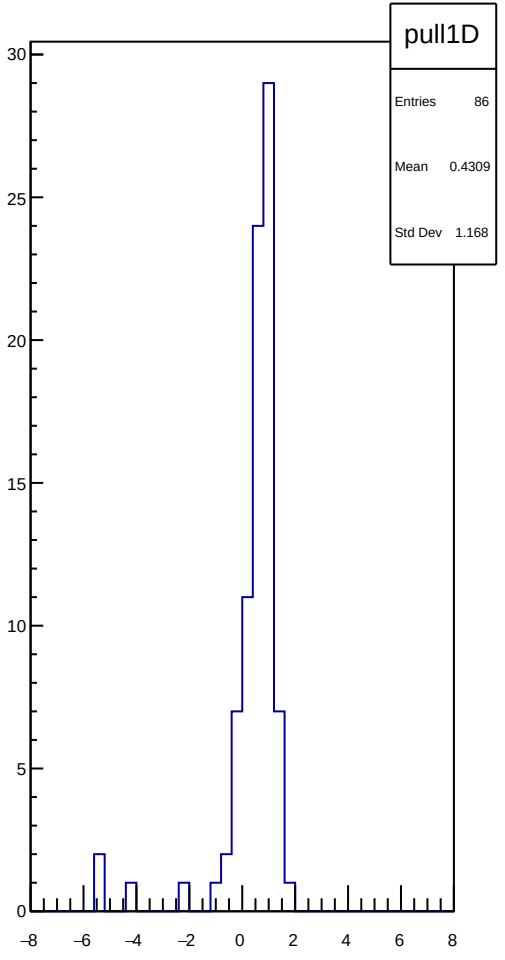

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.311 / 85
p0 −48.98 ± 12.06
200
100
0
−100
−200
−300
pull
Entries 86
Mean 162.8
Std Dev 103.1
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean 0.01241
Std Dev 0.2482
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

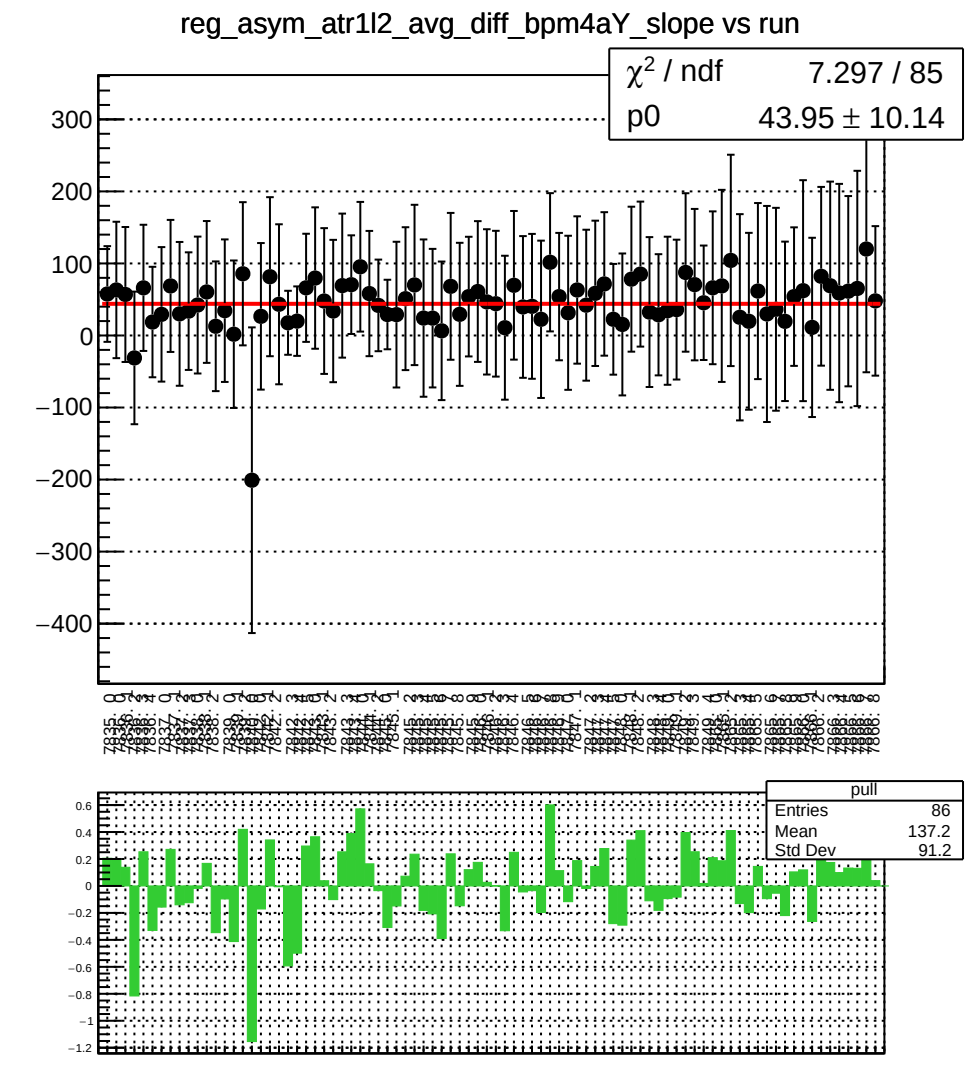

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 227.9 / 85
p0 −267.5 ± 8.469
100
0
−100
−200
−300
−400
pull
Entries 86
Mean 47.17
Std Dev 26.88
2
1
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 86
Mean 0.8646
Std Dev 1.379
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

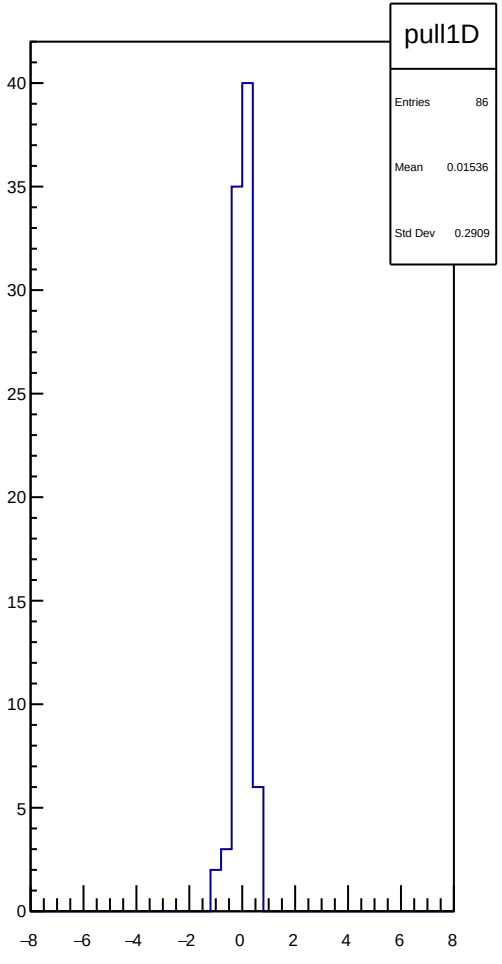

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.668 / 85
p0 −9.155 ± 14.08
300
200
100
0
−100
−200
−300
pull
Entries 86
Mean 103.3
Std Dev 49.88
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean −0.003739
Std Dev 0.2329
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

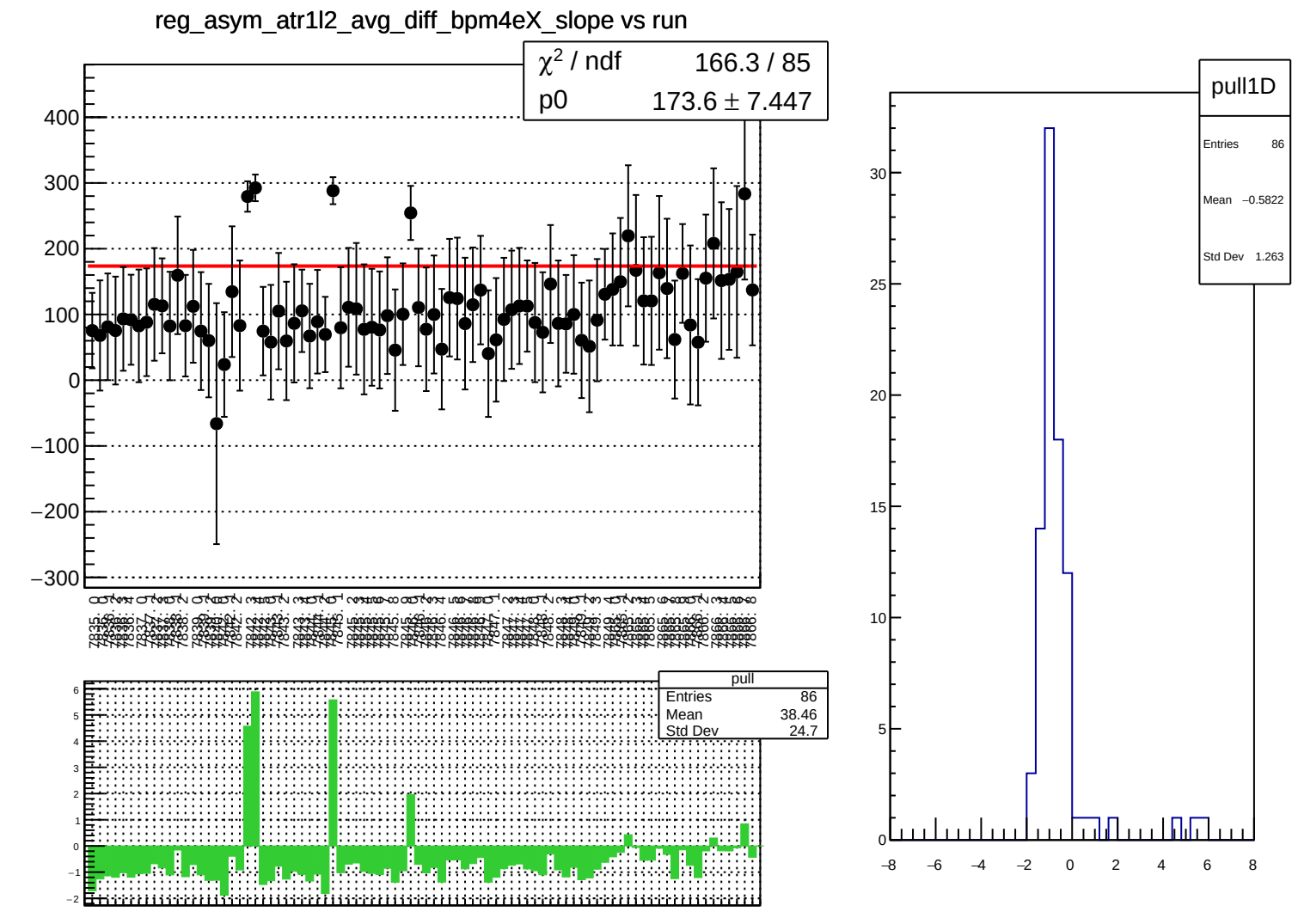

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 29.43 / 85
p0 147.5 ± 0.4299
160
155
150
145
140
135
pull
Entries 86
Mean 305.7
Std Dev 254.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.01702
Std Dev 0.5847
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

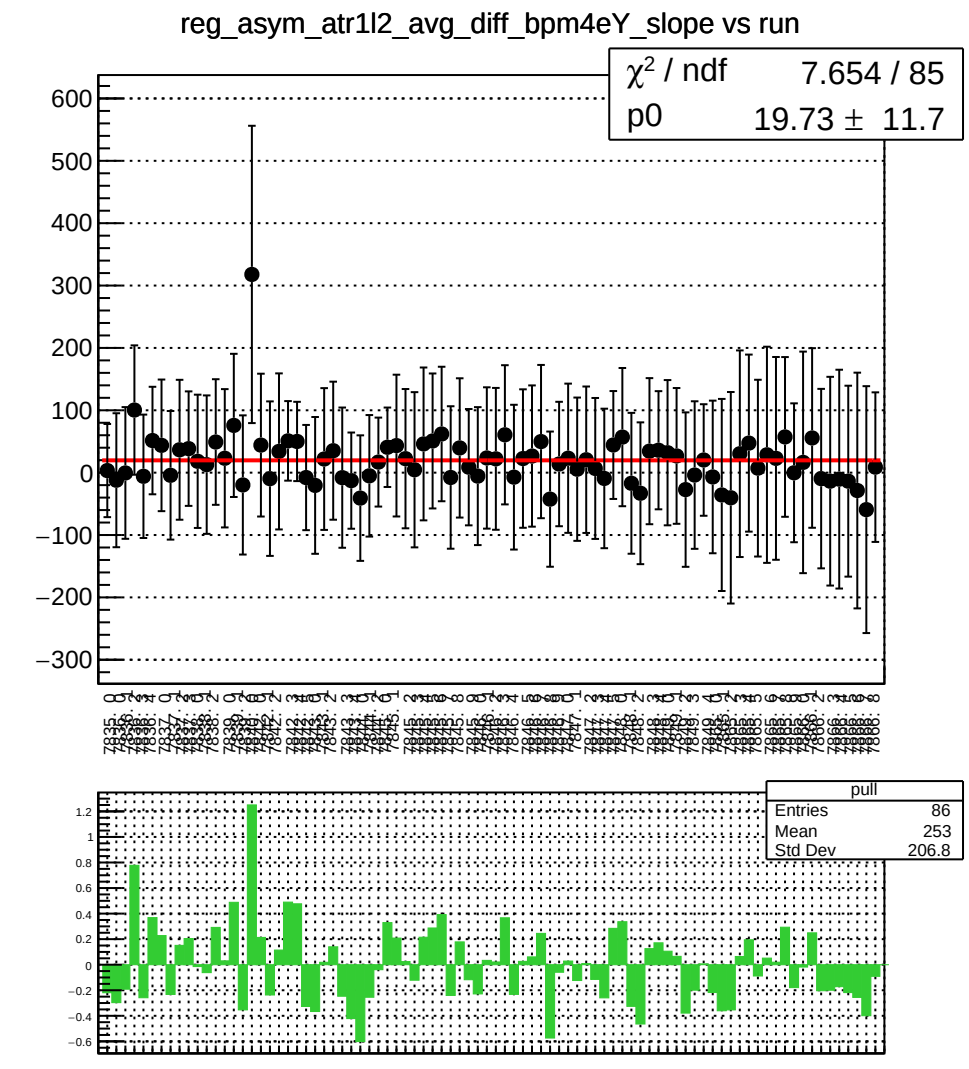

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 133.4 / 85
p0 −234.3 ± 8.541
pull
Entries 86
Mean 34.7
Std Dev 22.76

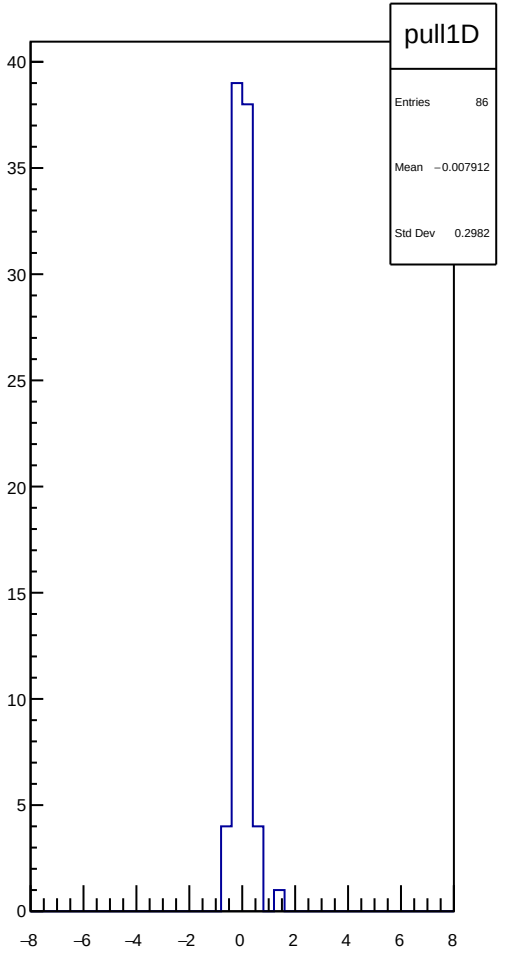

pull1D
Entries 86
Mean 0.4309
Std Dev 1.168

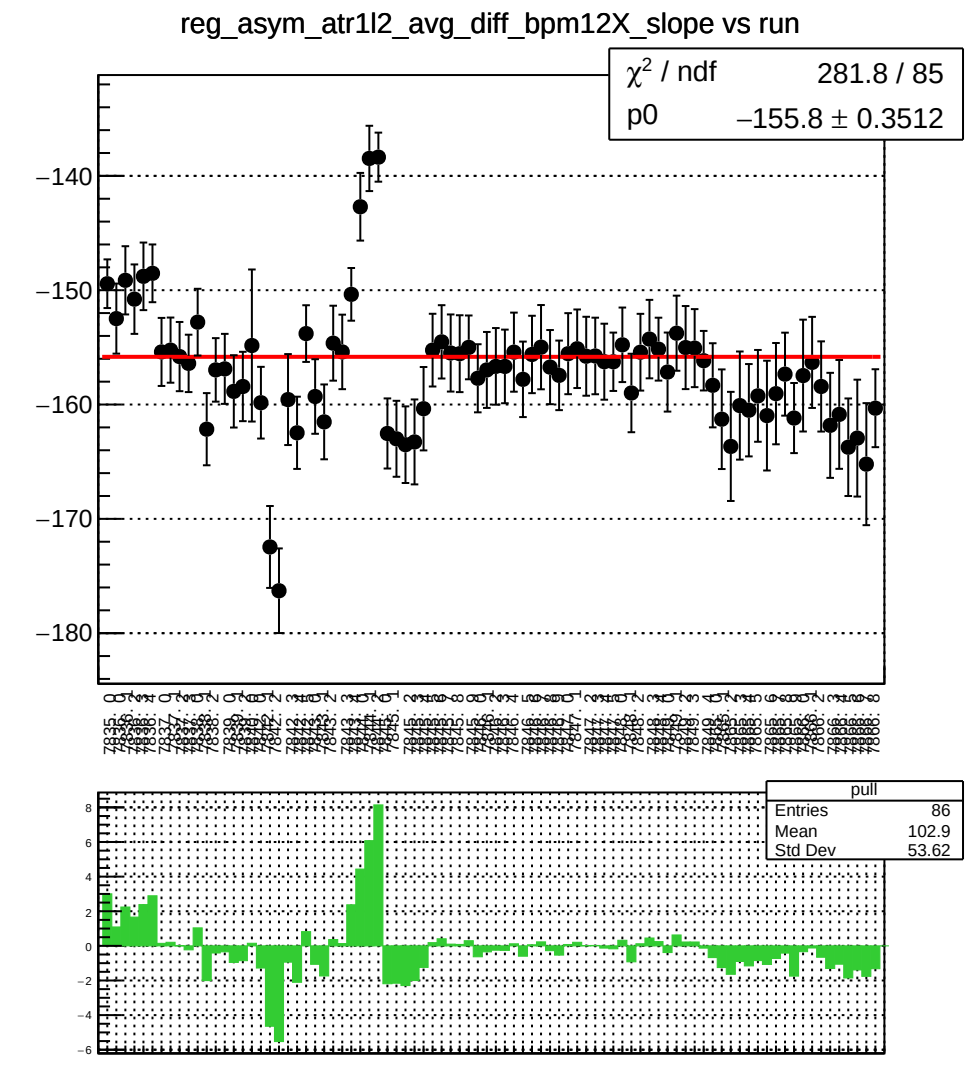

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.297 / 85
p0 43.95 ± 10.14
pull
Entries 86
Mean 137.2
Std Dev 91.2

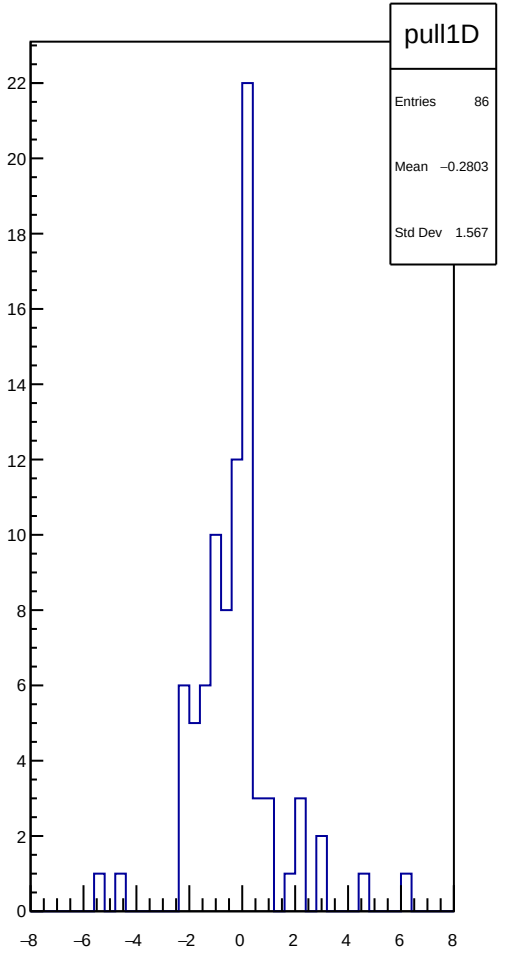

pull1D
Entries 86
Mean 0.01536
Std Dev 0.2909

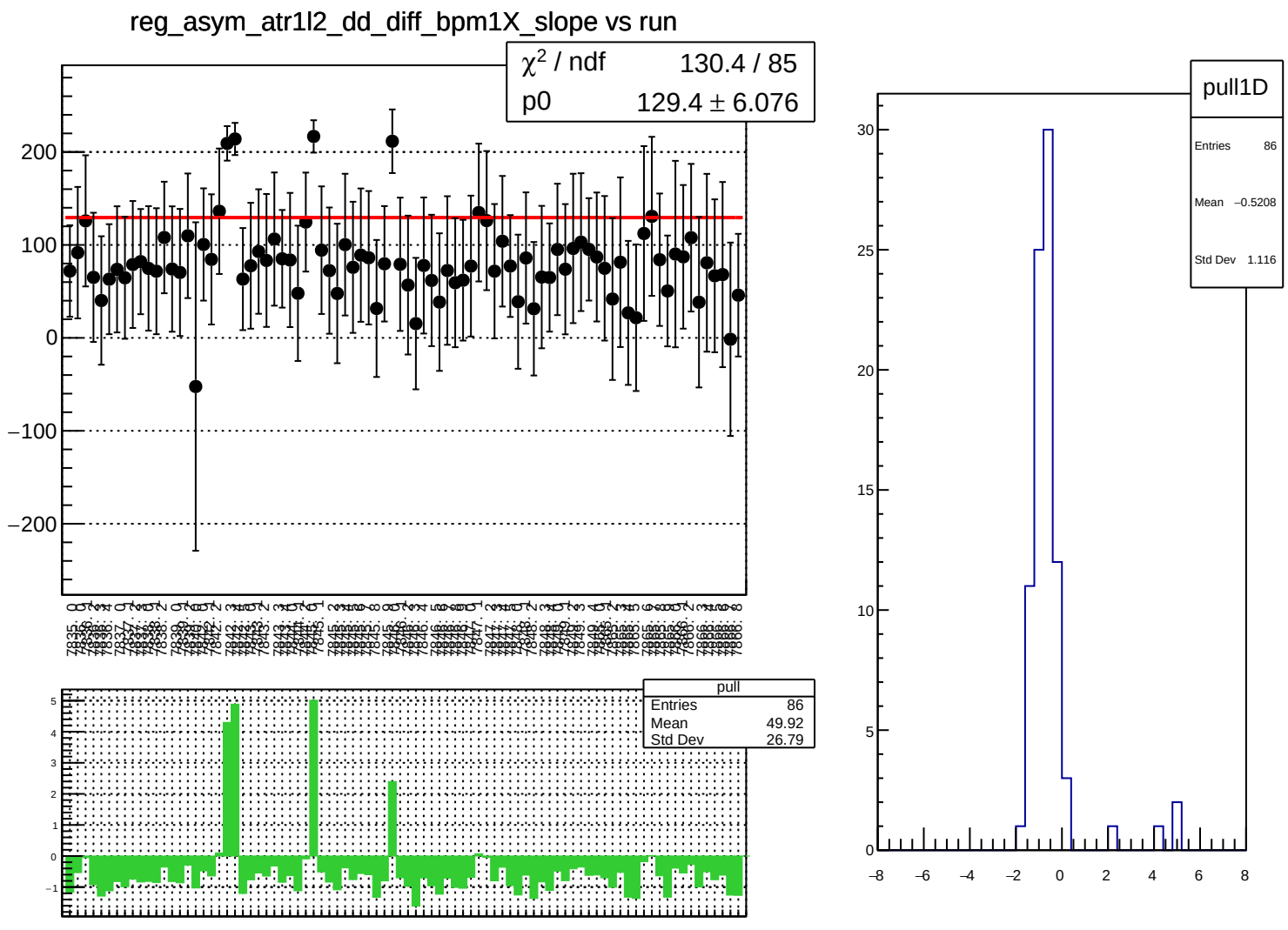

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 166.3 / 85
p0 173.6 ± 7.447
pull
Entries 86
Mean 38.46
Std Dev 24.7
pull1D
Entries 86
Mean −0.5822
Std Dev 1.263

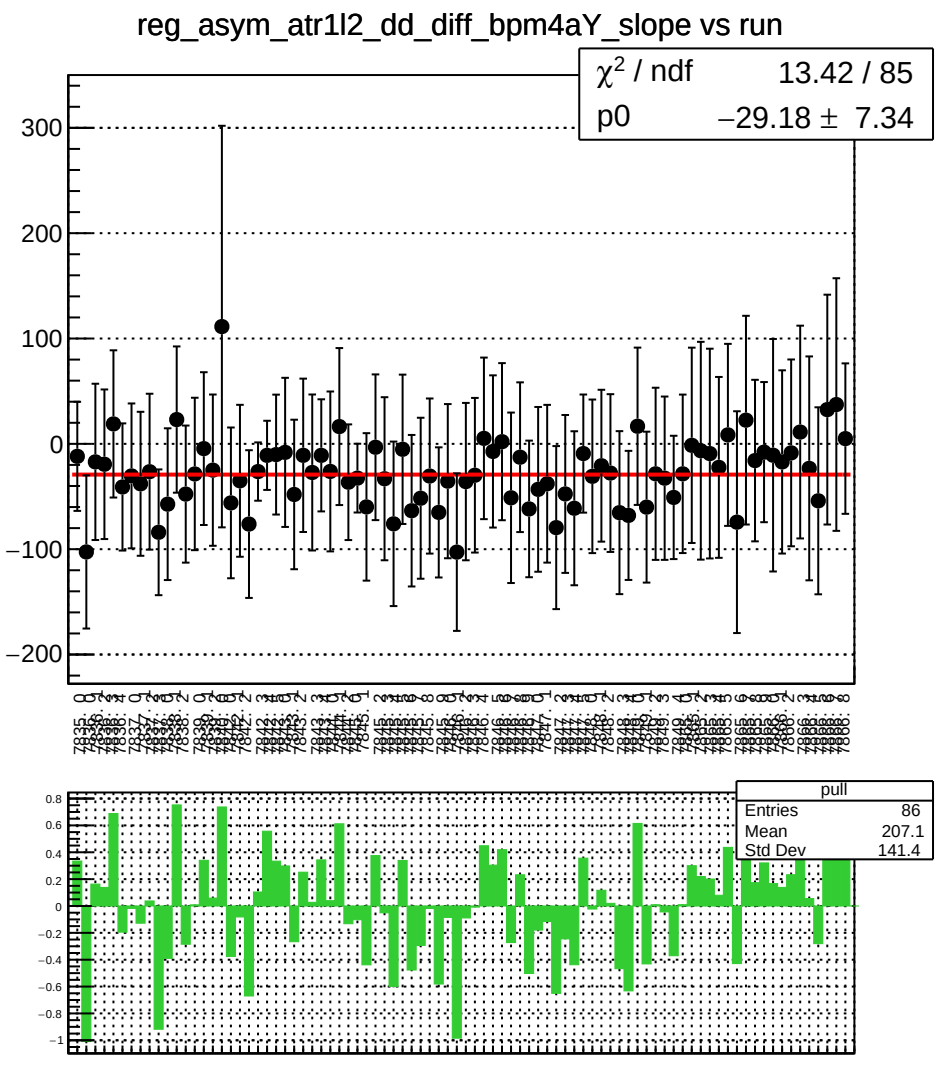

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.654 / 85
p0 19.73 ± 11.7
pull
Entries 86
Mean 253
Std Dev 206.8

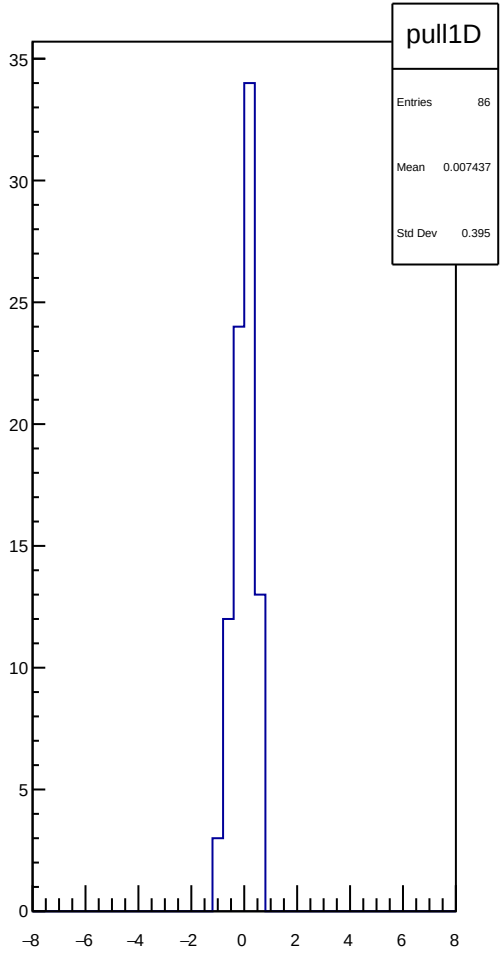

pull1D
Entries 86
Mean −0.007912
Std Dev 0.2982

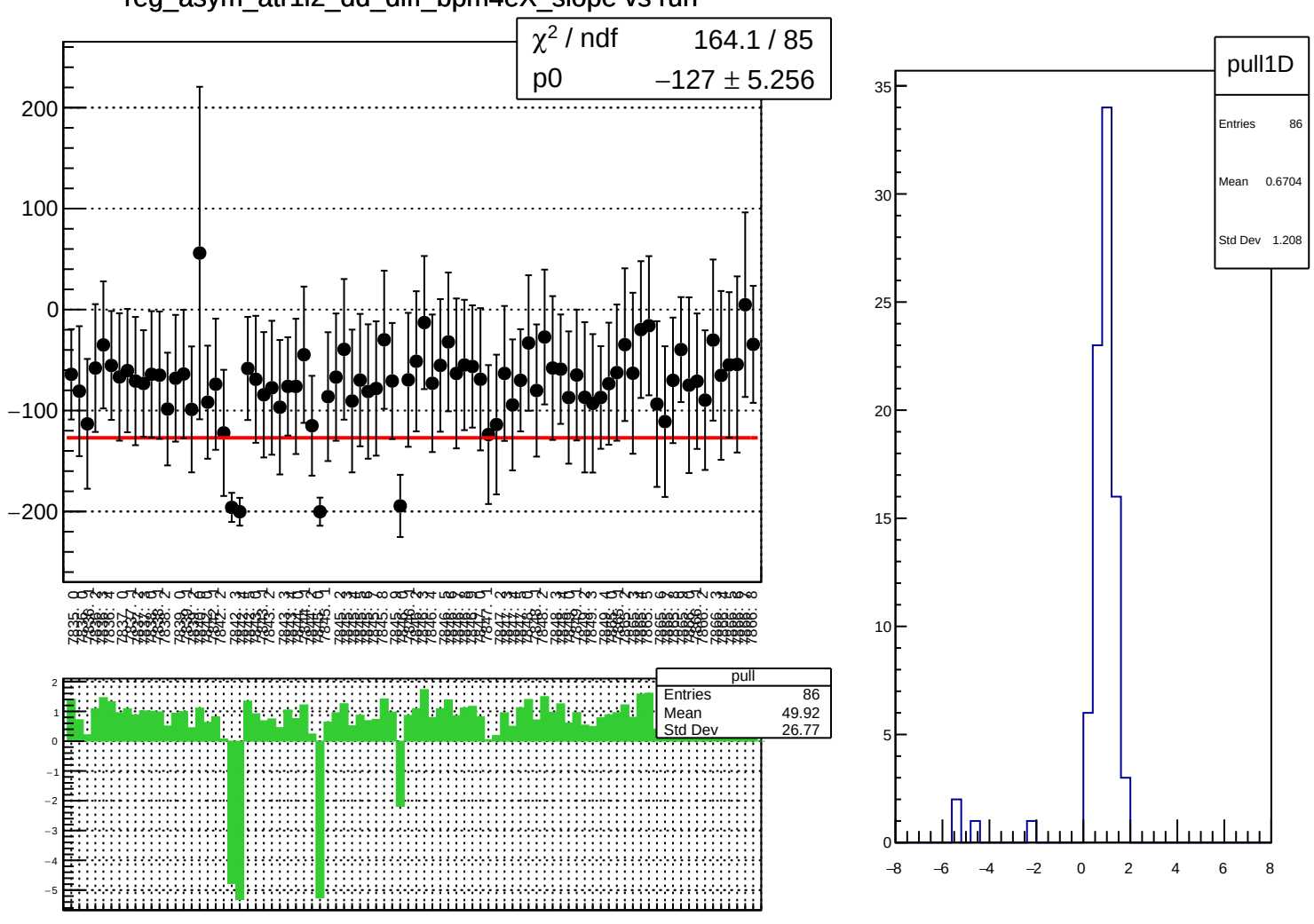

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 281.8 / 85
p0 −155.8 ± 0.3512
−140
−150
−160
−170
−180
pull
Entries 86
Mean 102.9
Std Dev 53.62
8
6
4
2
0
−2
−4
−6

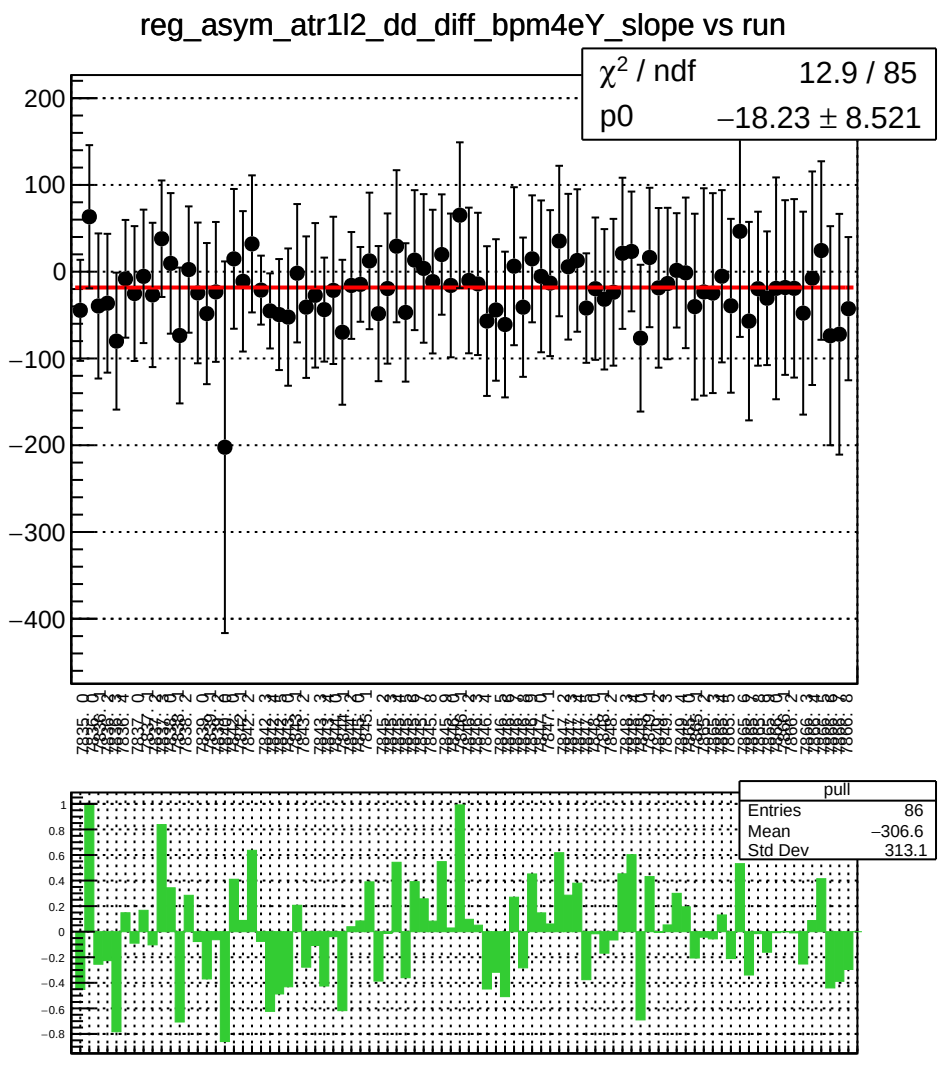

pull1D
Entries 86
Mean −0.2803
Std Dev 1.567
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

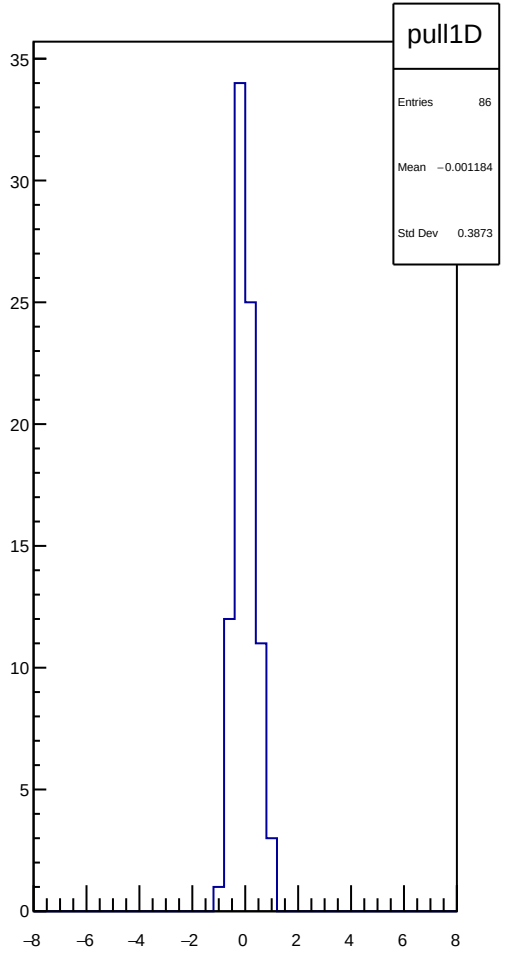

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 130.4 / 85
p0 129.4 ± 6.076
200
100
0
−100
−200
pull
Entries 86
Mean 49.92
Std Dev 26.79
5
4
3
2
1
0
−1
pull1D
Entries 86
Mean −0.5208
Std Dev 1.116
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

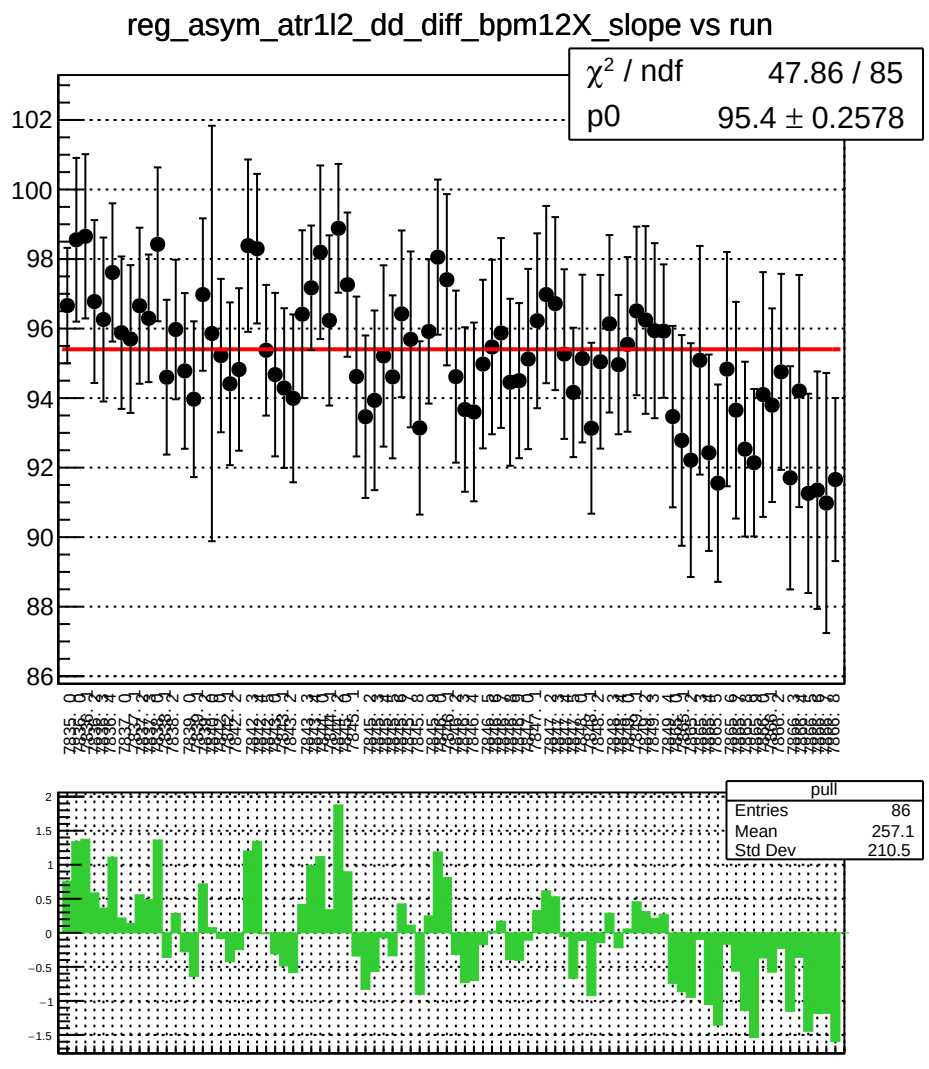

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.42 / 85
p0 −29.18 ± 7.34
300
200
100
0
−100
−200
pull
Entries 86
Mean 207.1
Std Dev 141.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

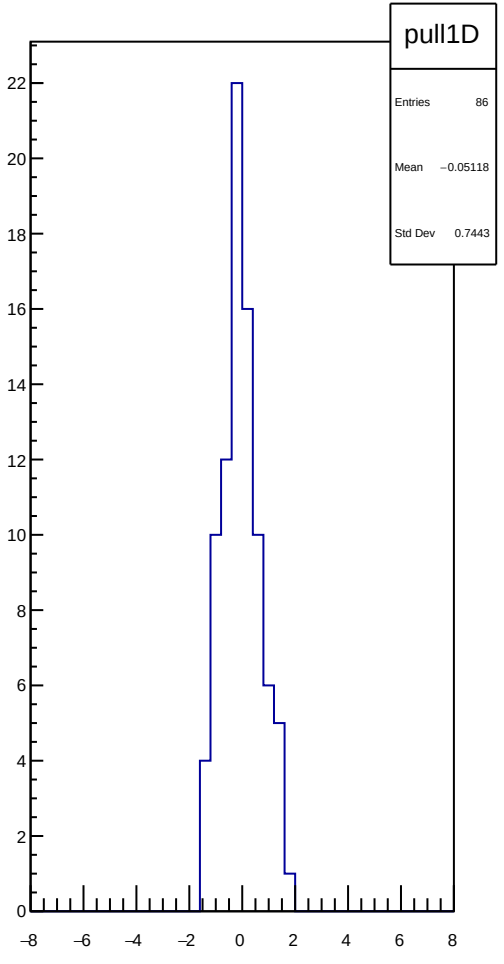

pull1D
Entries 86
Mean 0.007437
Std Dev 0.395
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

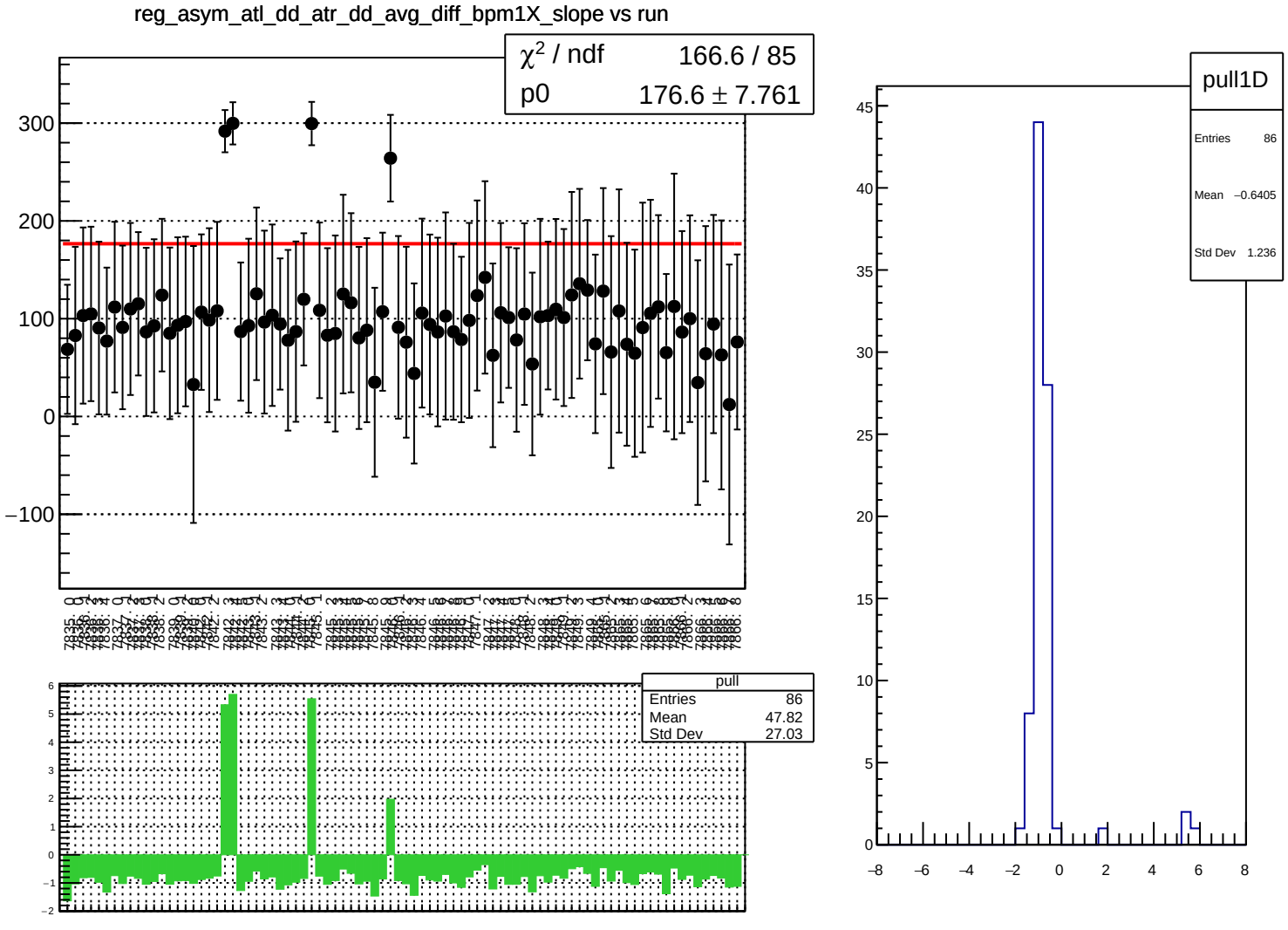

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 164.1 / 85
p0 −127 ± 5.256
200
100
0
−100
−200
pull
Entries 86
Mean 49.92
Std Dev 26.77
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 86
Mean 0.6704
Std Dev 1.208
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

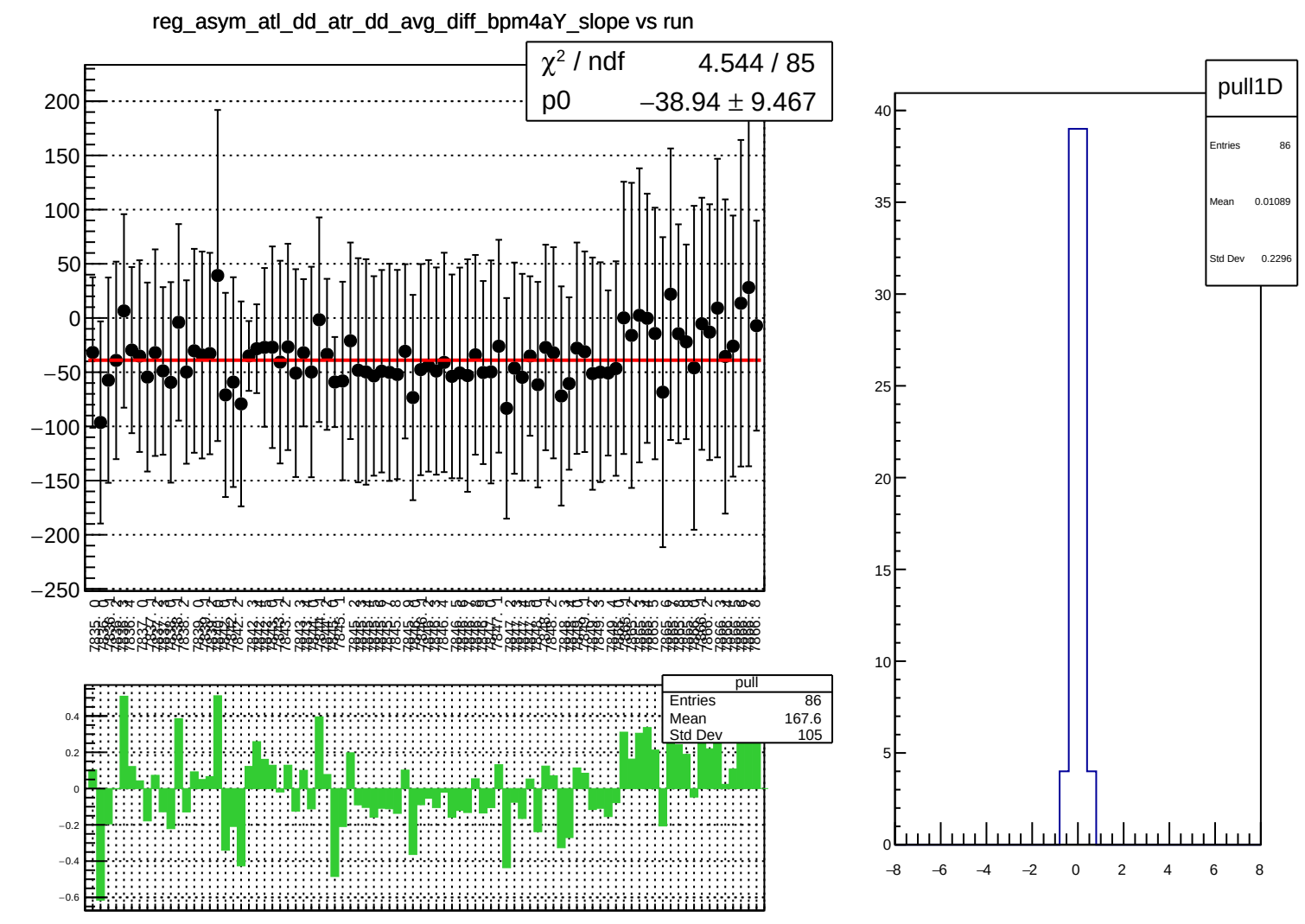

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.9 / 85
p0 −18.23 ± 8.521
pull
Entries 86
Mean −306.6
Std Dev 313.1

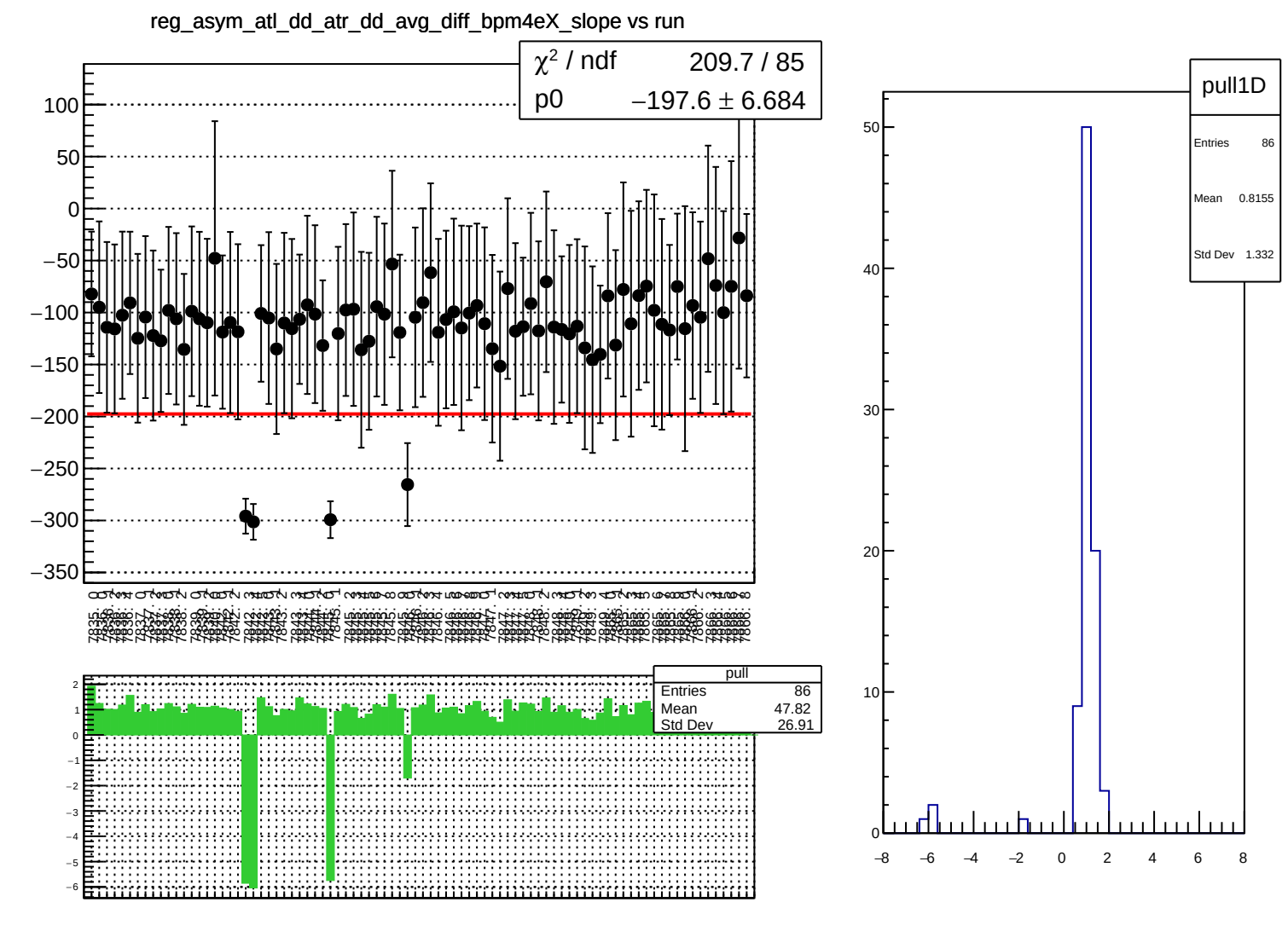

pull1D
Entries 86
Mean −0.001184
Std Dev 0.3873

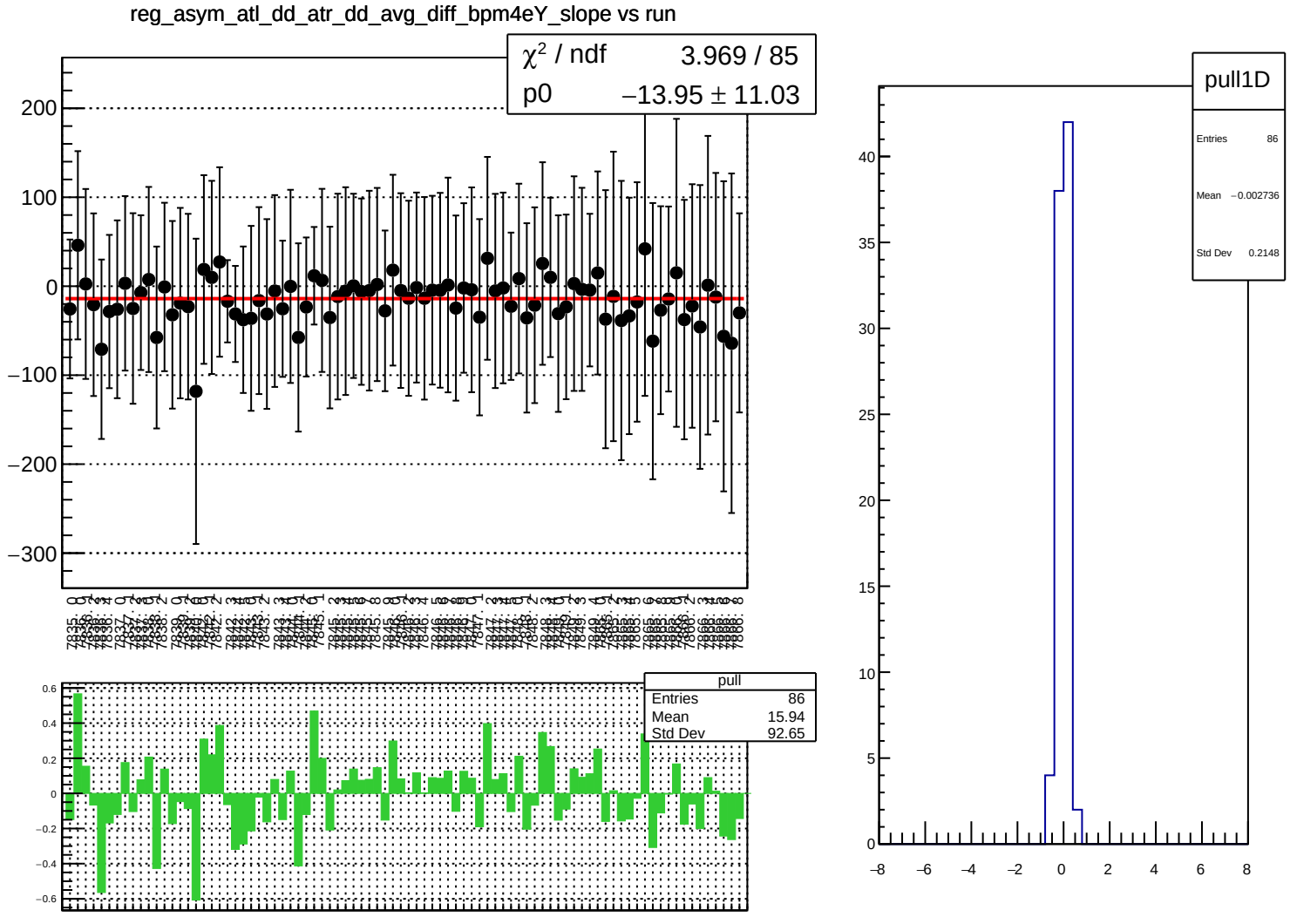

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 47.86 / 85
p0 95.4 ± 0.2578
pull
Entries 86
Mean 257.1
Std Dev 210.5

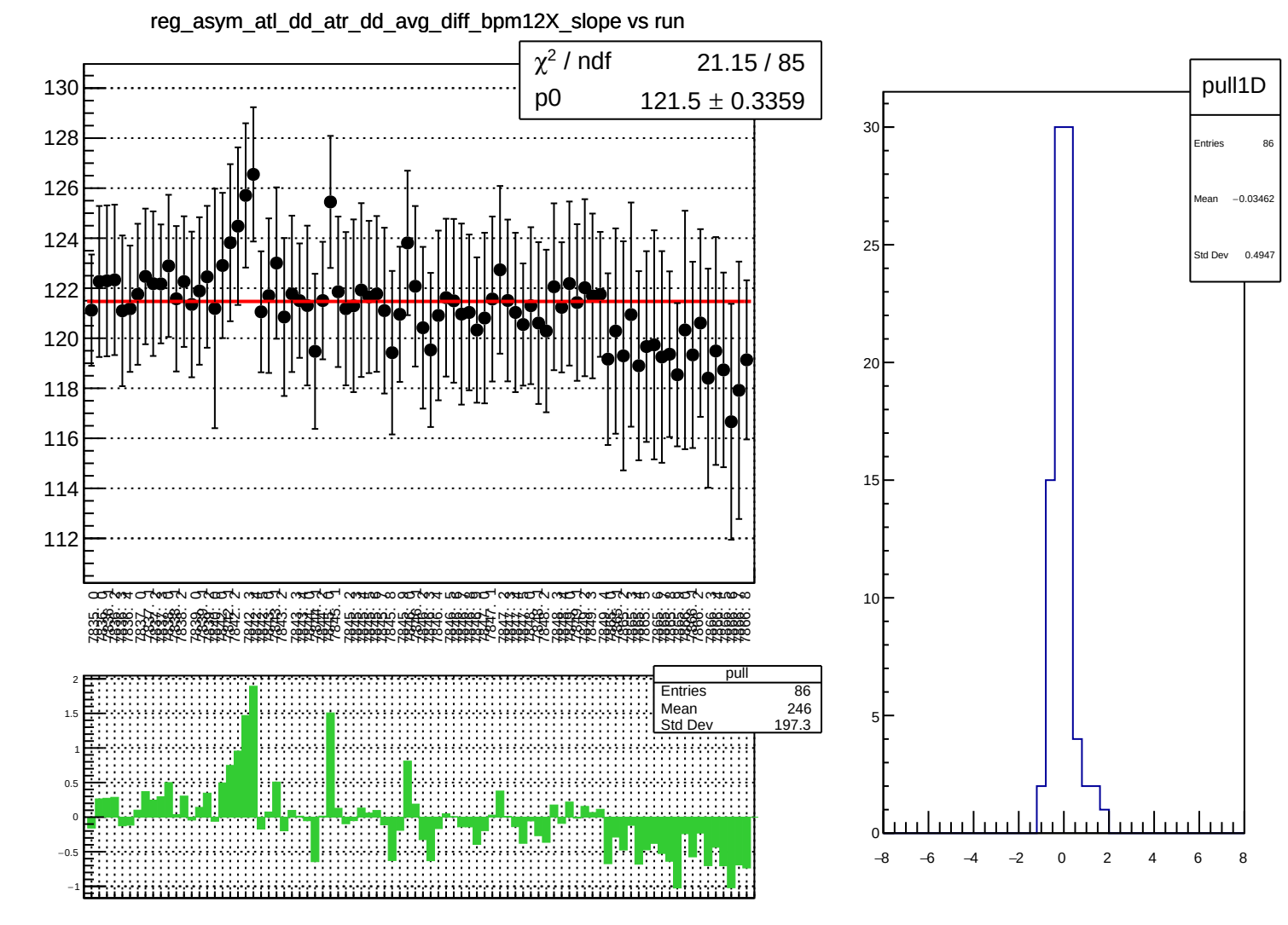

pull1D
Entries 86
Mean −0.05118
Std Dev 0.7443

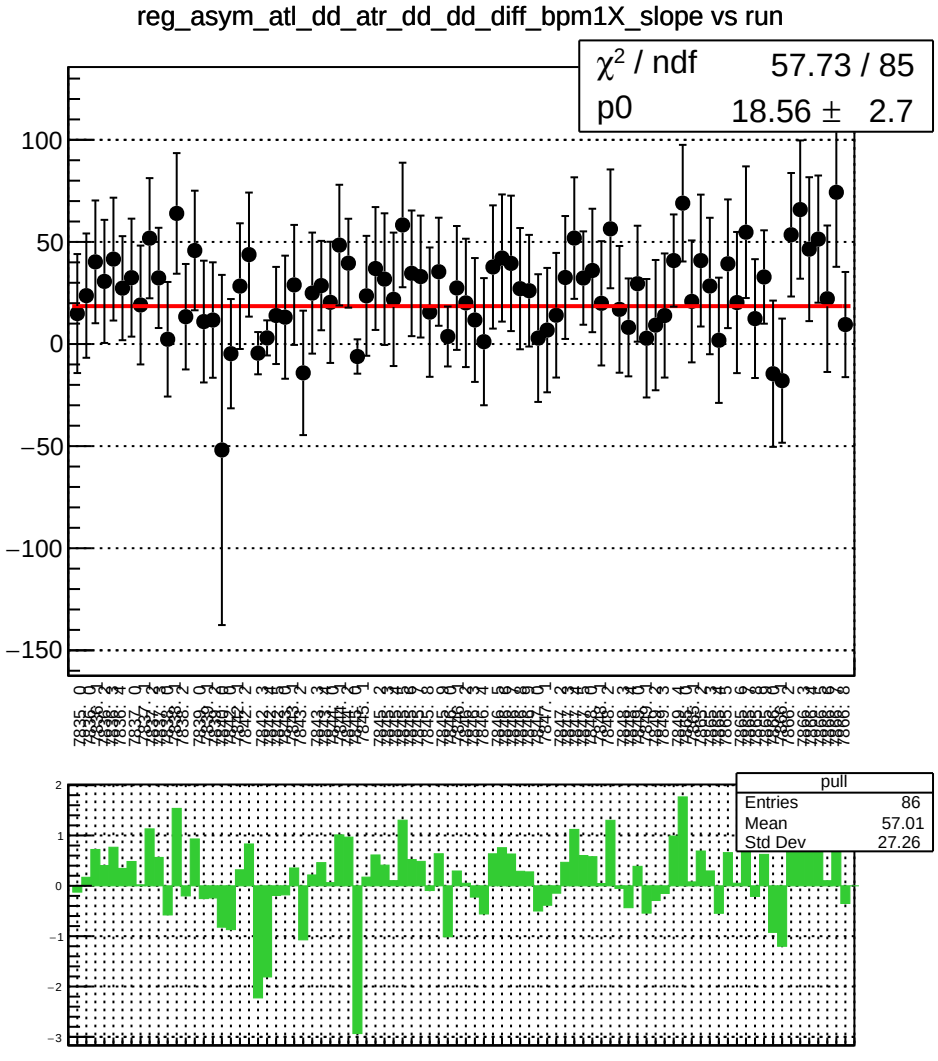

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 166.6 / 85
p0 176.6 ± 7.761
pull
Entries 86
Mean 47.82
Std Dev 27.03
pull1D
Entries 86
Mean −0.6405
Std Dev 1.236

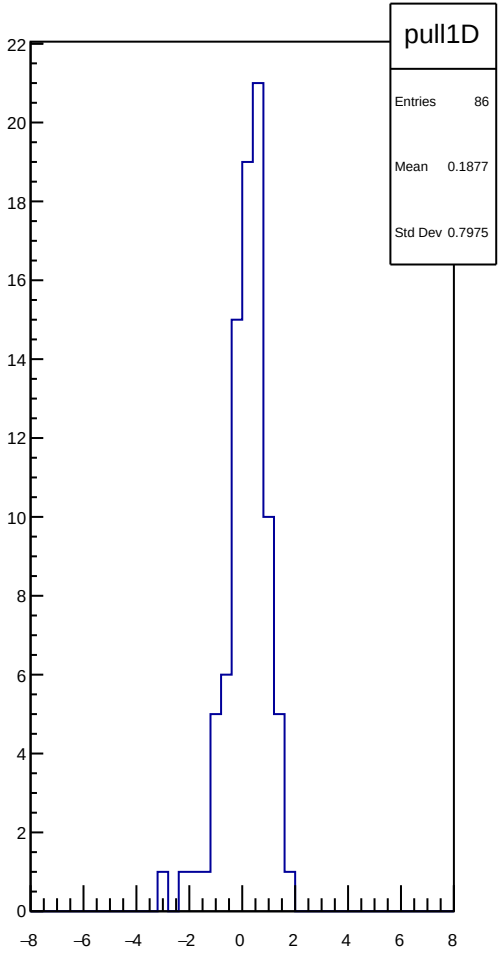

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.544 / 85
p0 −38.94 ± 9.467
pull
Entries 86
Mean 167.6
Std Dev 105
pull1D
Entries 86
Mean 0.01089
Std Dev 0.2296

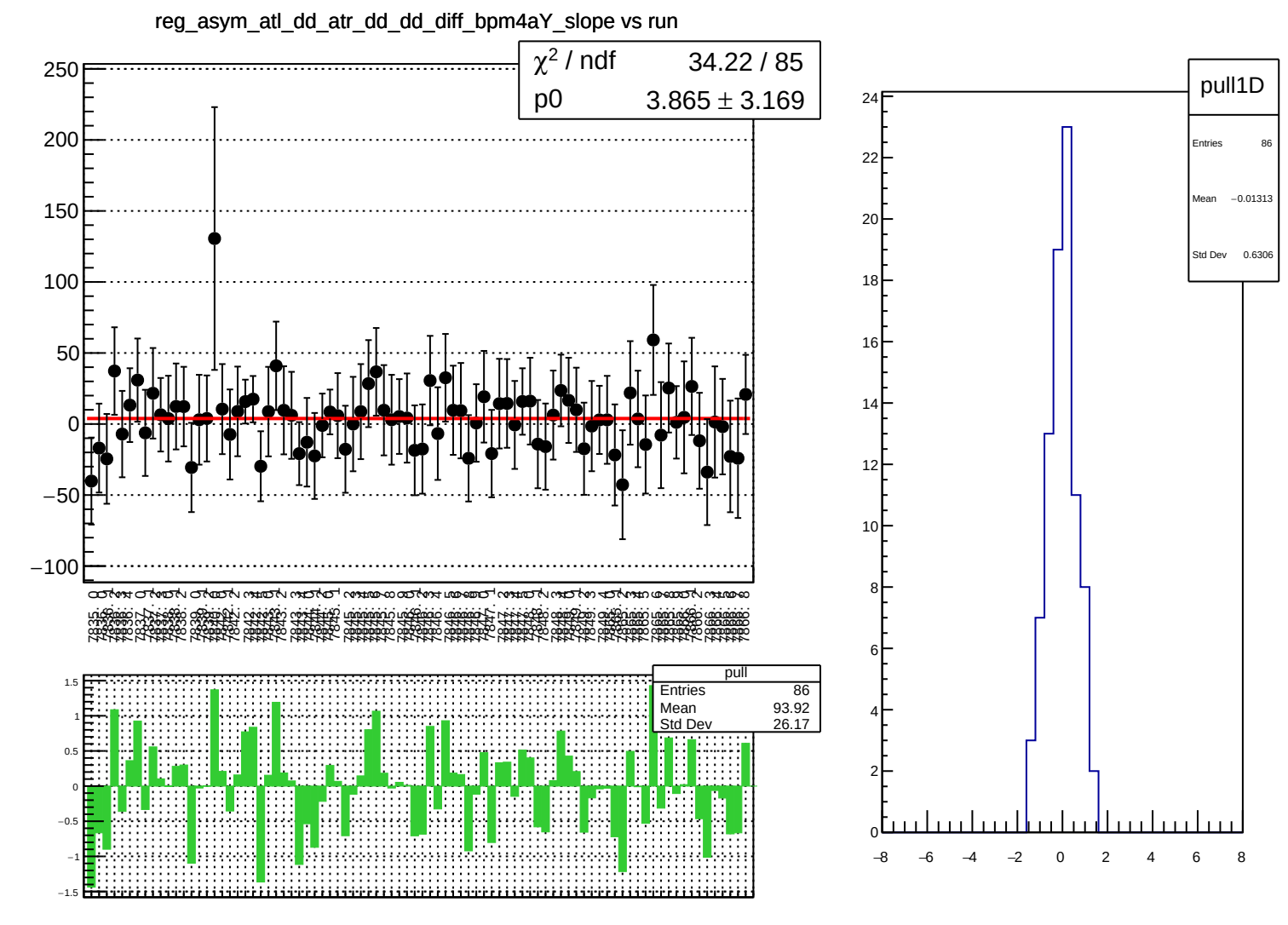

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 209.7 / 85
p0 −197.6 ± 6.684
pull
Entries 86
Mean 47.82
Std Dev 26.91
pull1D
Entries 86
Mean 0.8155
Std Dev 1.332

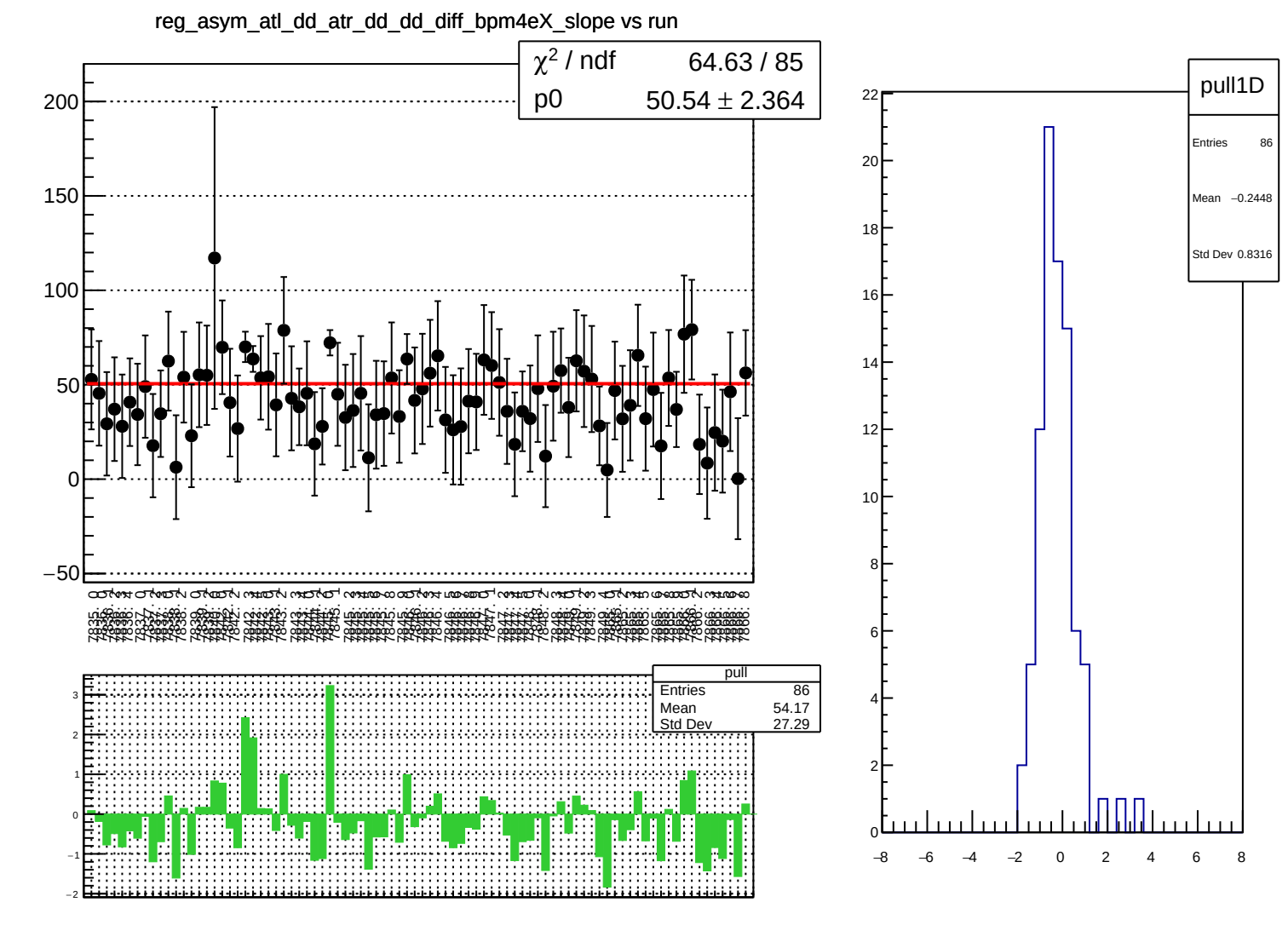

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.969 / 85
p0 −13.95 ± 11.03
200
100
0
−100
−200
−300
pull
Entries 86
Mean 15.94
Std Dev 92.65
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean −0.002736
Std Dev 0.2148
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

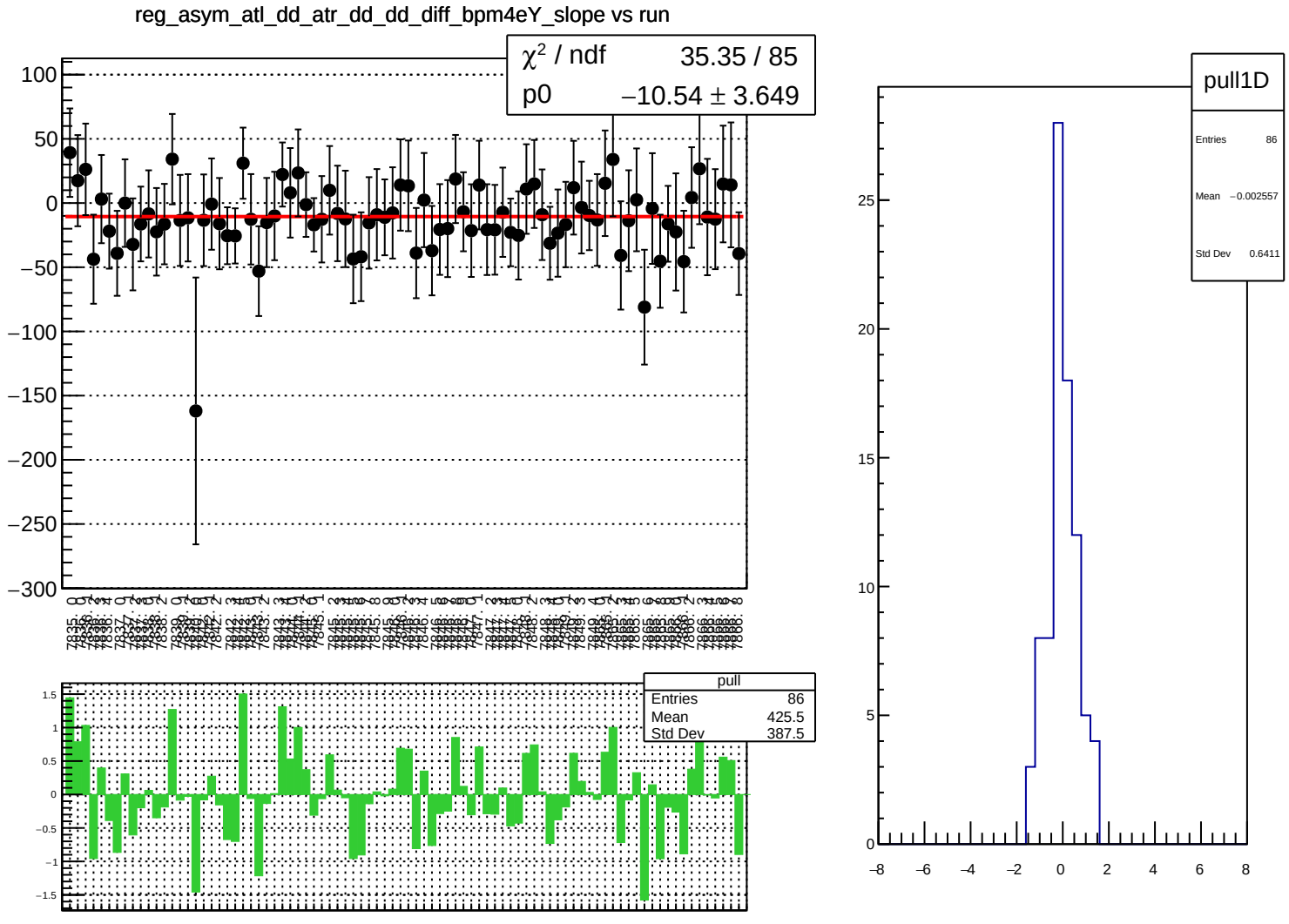

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 21.15 / 85
p0 121.5 ± 0.3359
130
128
126
124
122
120
118
116
114
112
pull
Entries 86
Mean 246
Std Dev 197.3
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.03462
Std Dev 0.4947
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

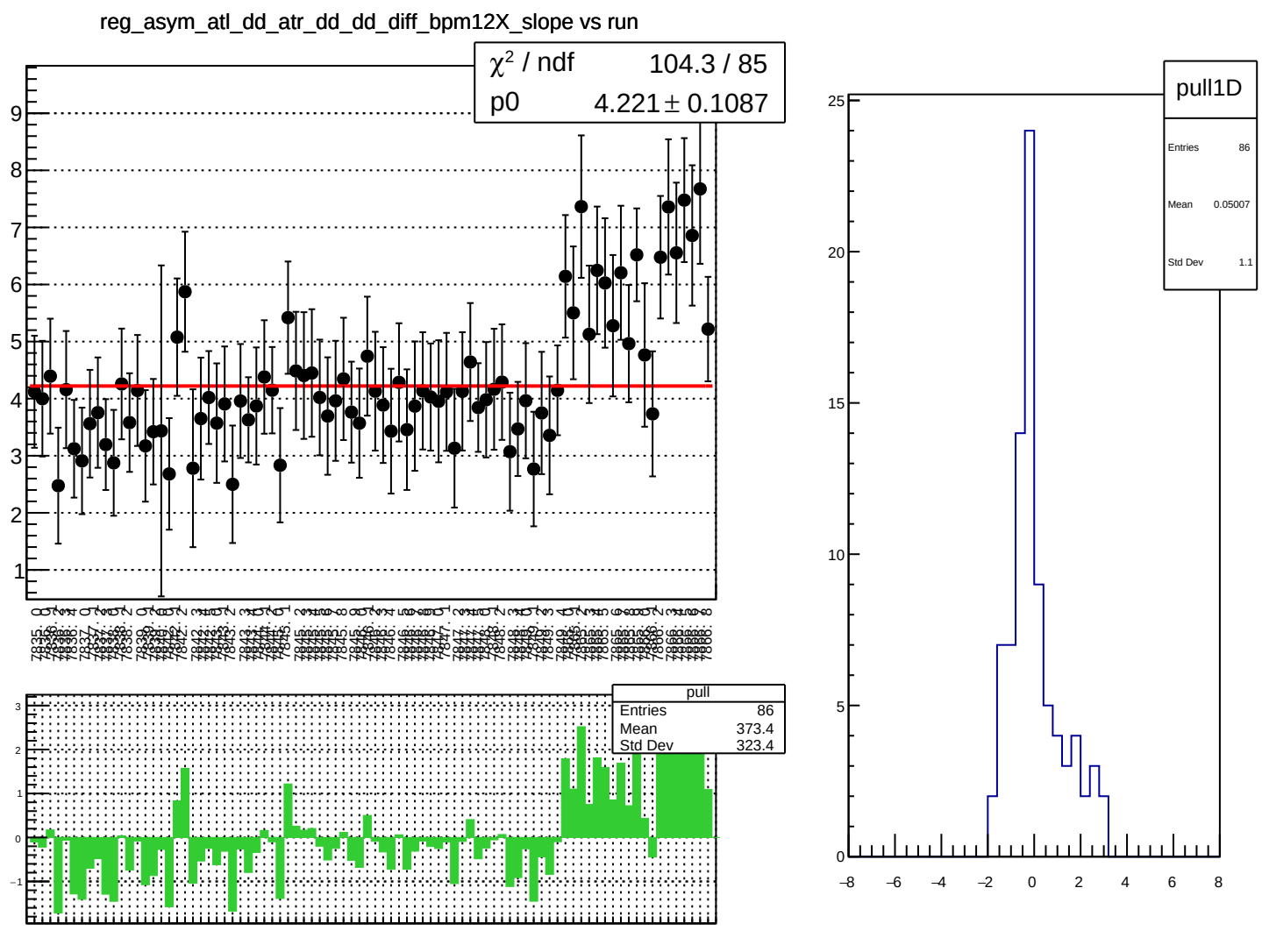

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 57.73 / 85
p0 18.56 ± 2.7
pull
Entries 86
Mean 57.01
Std Dev 27.26

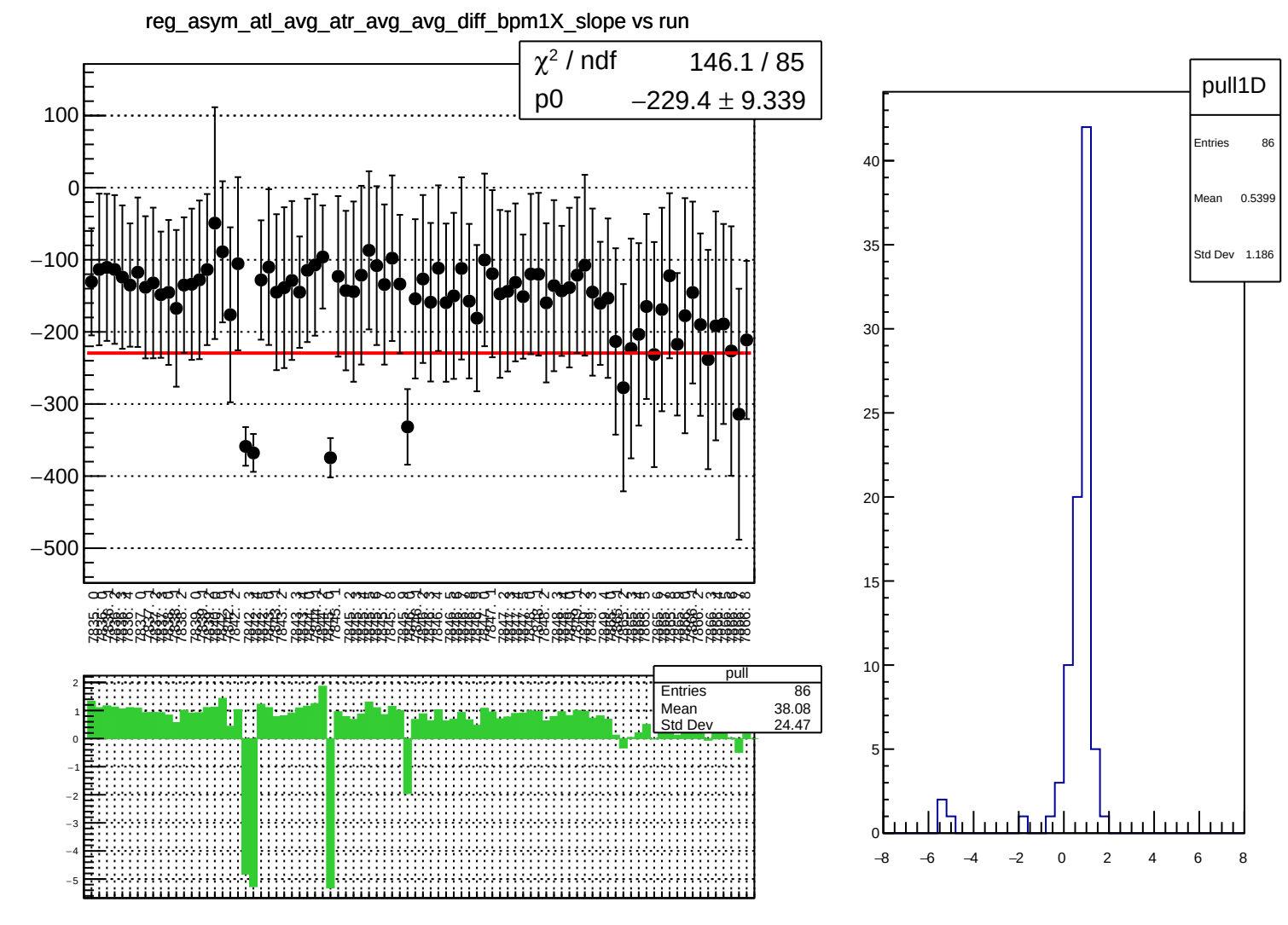

pull1D
Entries 86
Mean 0.1877
Std Dev 0.7975

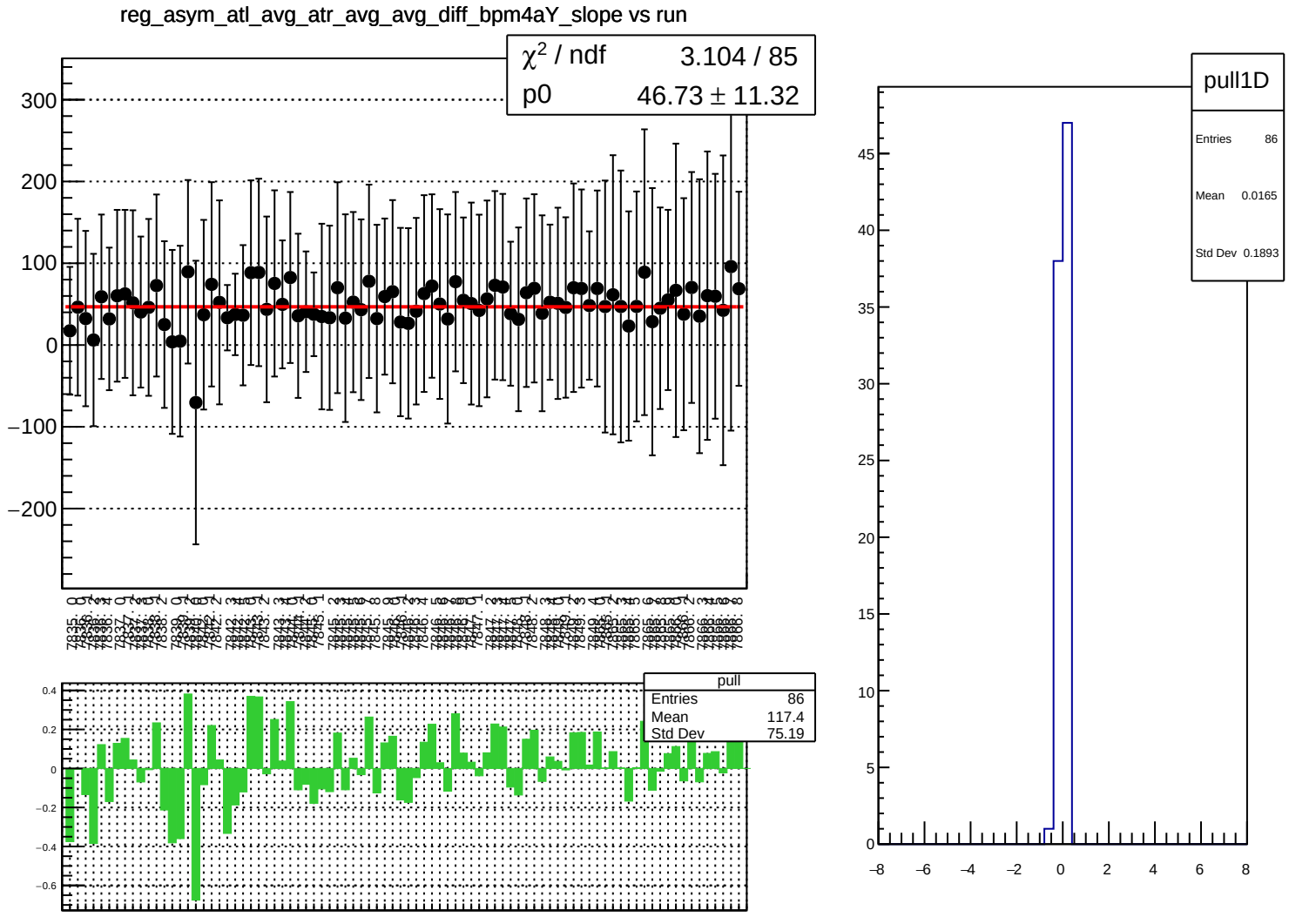

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.22 / 85
p0 3.865 ± 3.169
pull
Entries 86
Mean 93.92
Std Dev 26.17
pull1D
Entries 86
Mean −0.01313
Std Dev 0.6306

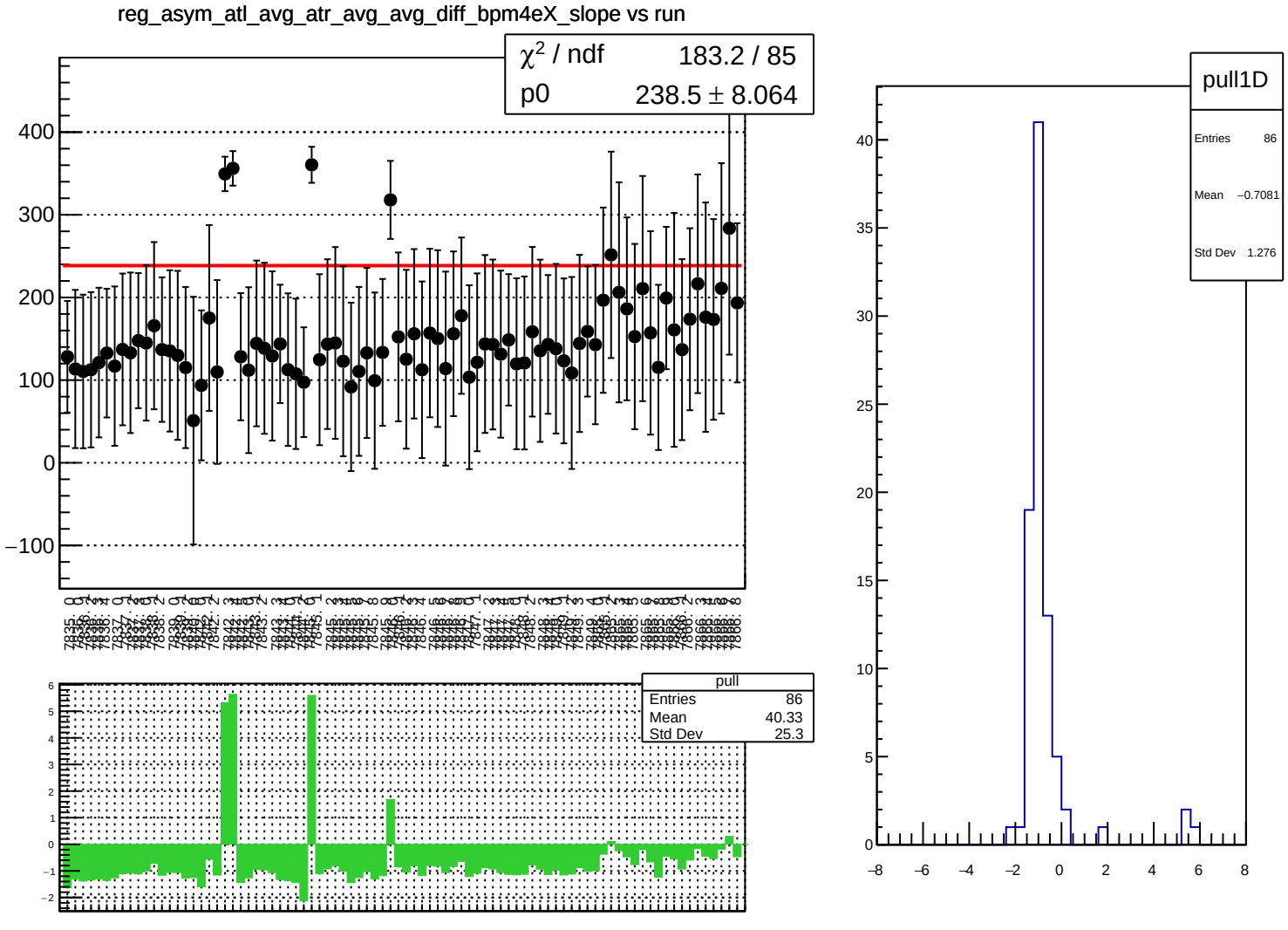

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.63 / 85
p0 50.54 ± 2.364
pull
Entries 86
Mean 54.17
Std Dev 27.29
pull1D
Entries 86
Mean −0.2448
Std Dev 0.8316

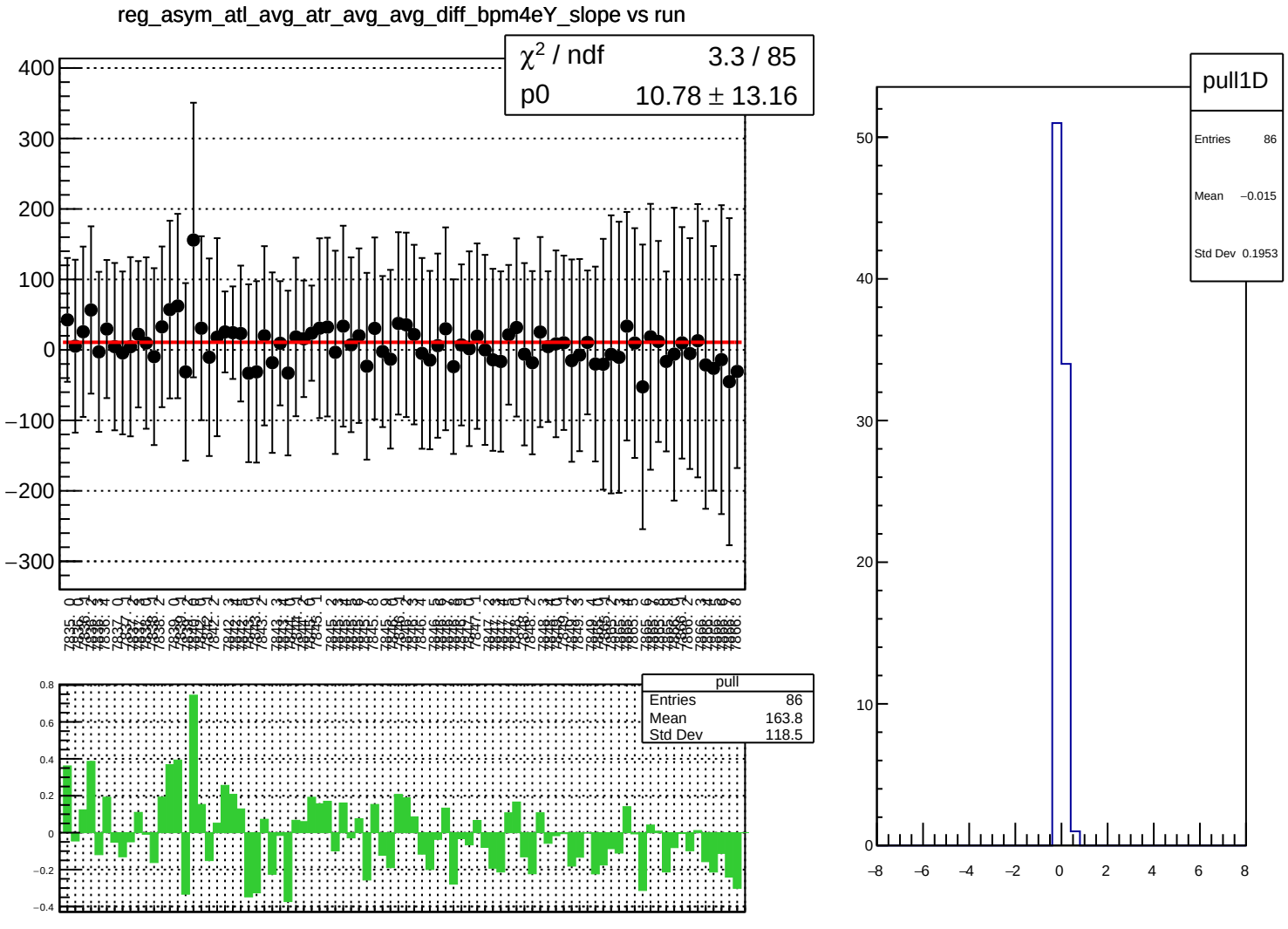

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.35 / 85
p0 −10.54 ± 3.649
pull
Entries 86
Mean 425.5
Std Dev 387.5
pull1D
Entries 86
Mean −0.002557
Std Dev 0.6411

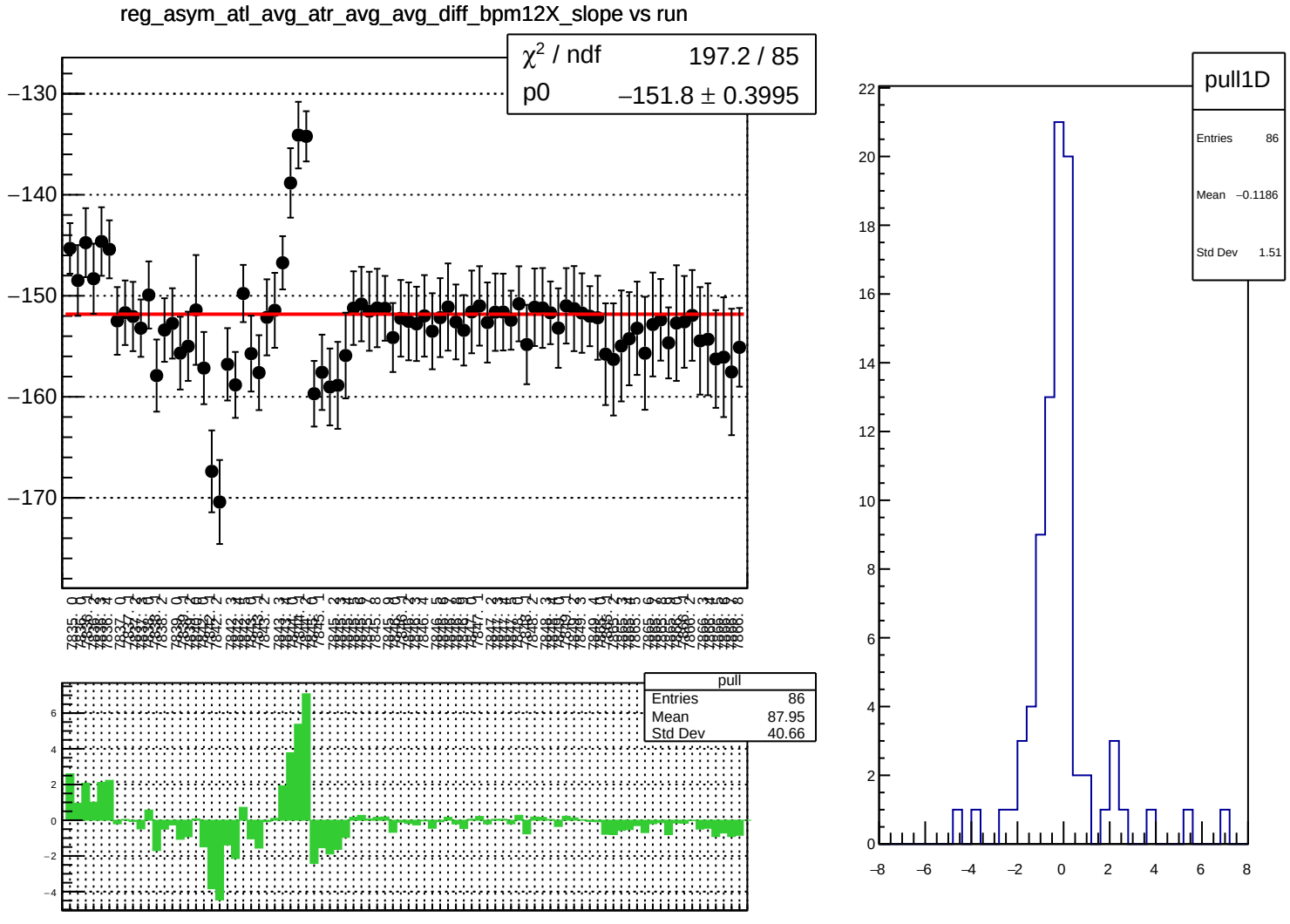

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 104.3 / 85
p0 4.221 ± 0.1087
pull
Entries 86
Mean 373.4
Std Dev 323.4
pull1D
Entries 86
Mean 0.05007
Std Dev 1.1

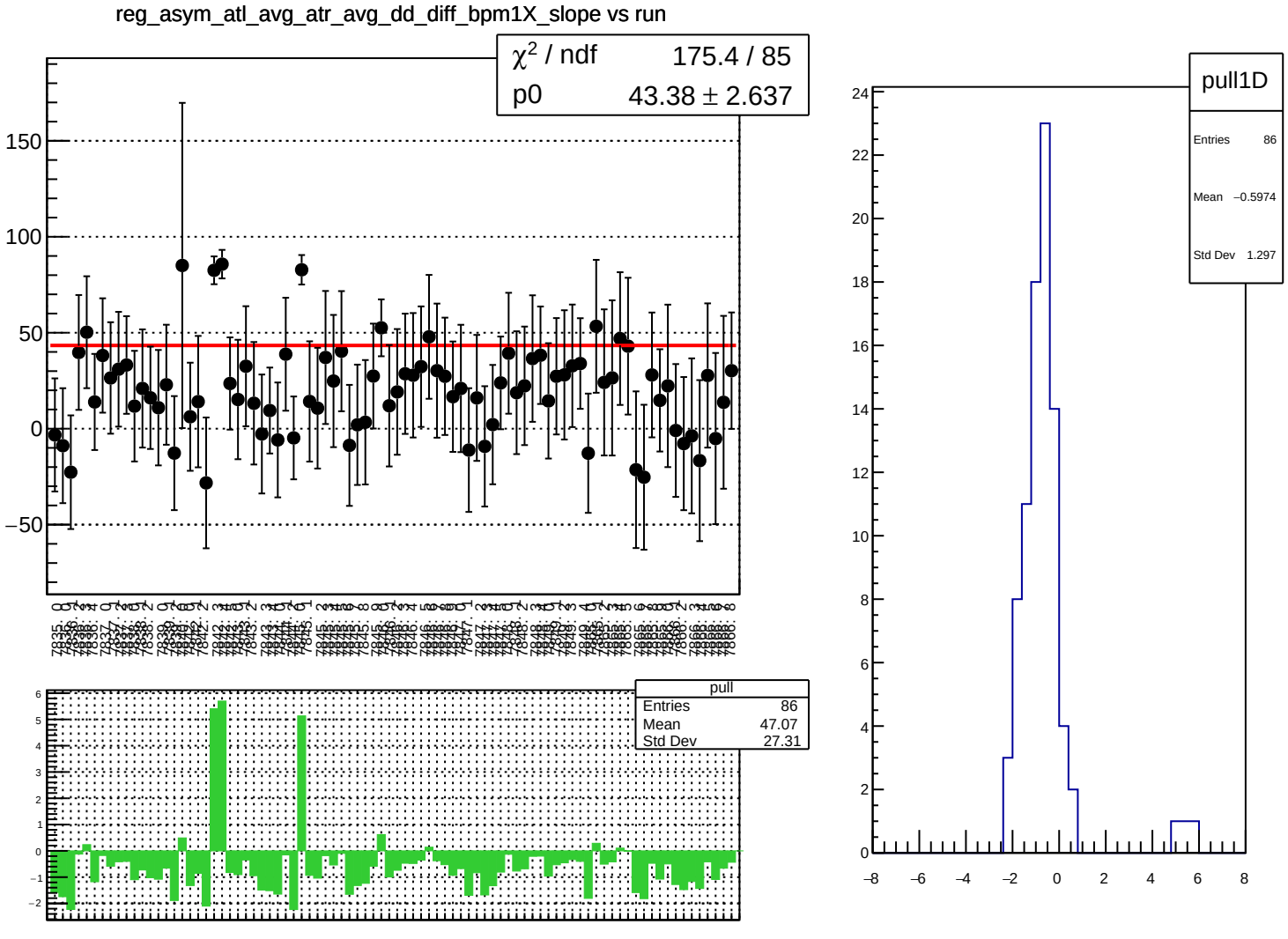

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 146.1 / 85
p0 −229.4 ± 9.339
pull
Entries 86
Mean 38.08
Std Dev 24.47
pull1D
Entries 86
Mean 0.5399
Std Dev 1.186

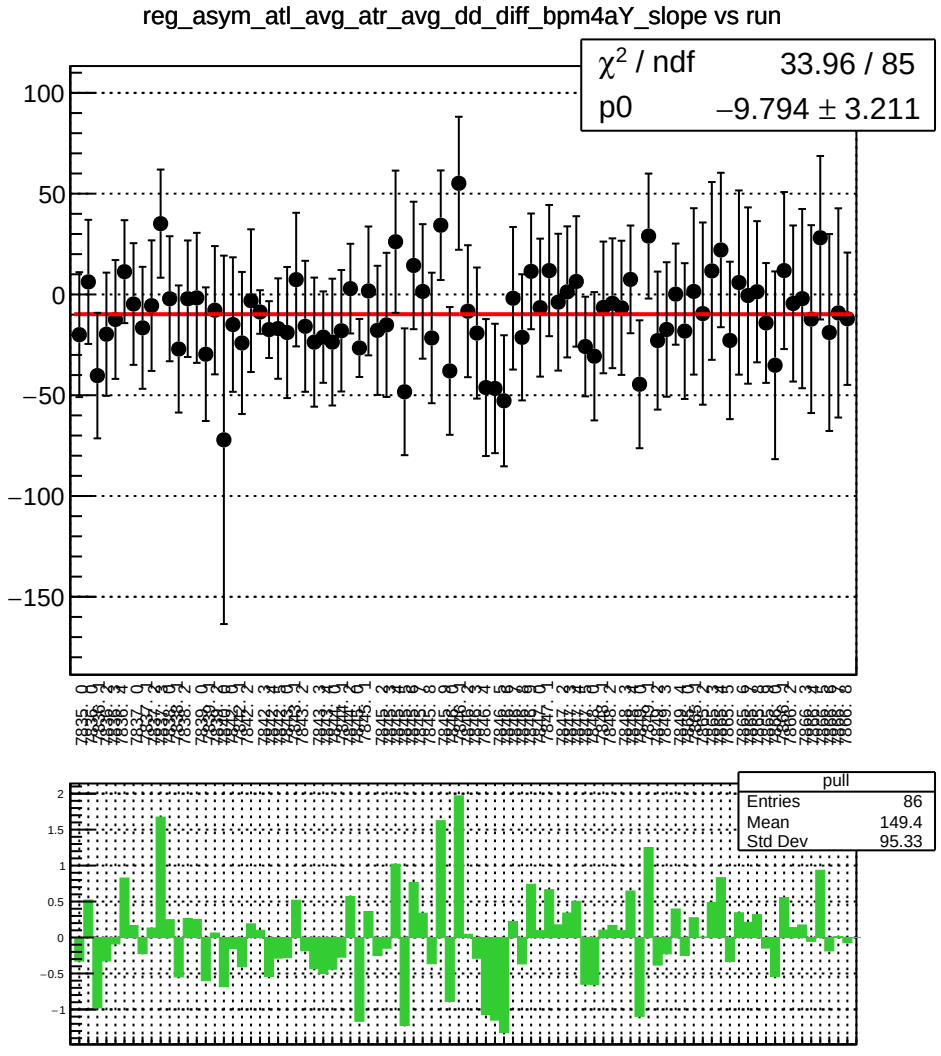

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.104 / 85
p0 46.73 ± 11.32
300
200
100
0
−100
−200
pull
Entries 86
Mean 117.4
Std Dev 75.19
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean 0.0165
Std Dev 0.1893
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

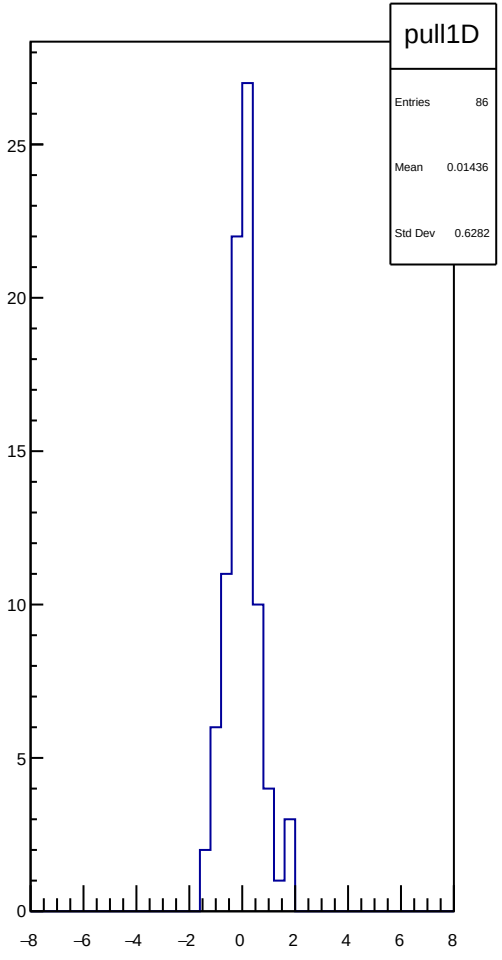

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 183.2 / 85
p0 238.5 ± 8.064
pull
Entries 86
Mean 40.33
Std Dev 25.3
pull1D
Entries 86
Mean −0.7081
Std Dev 1.276

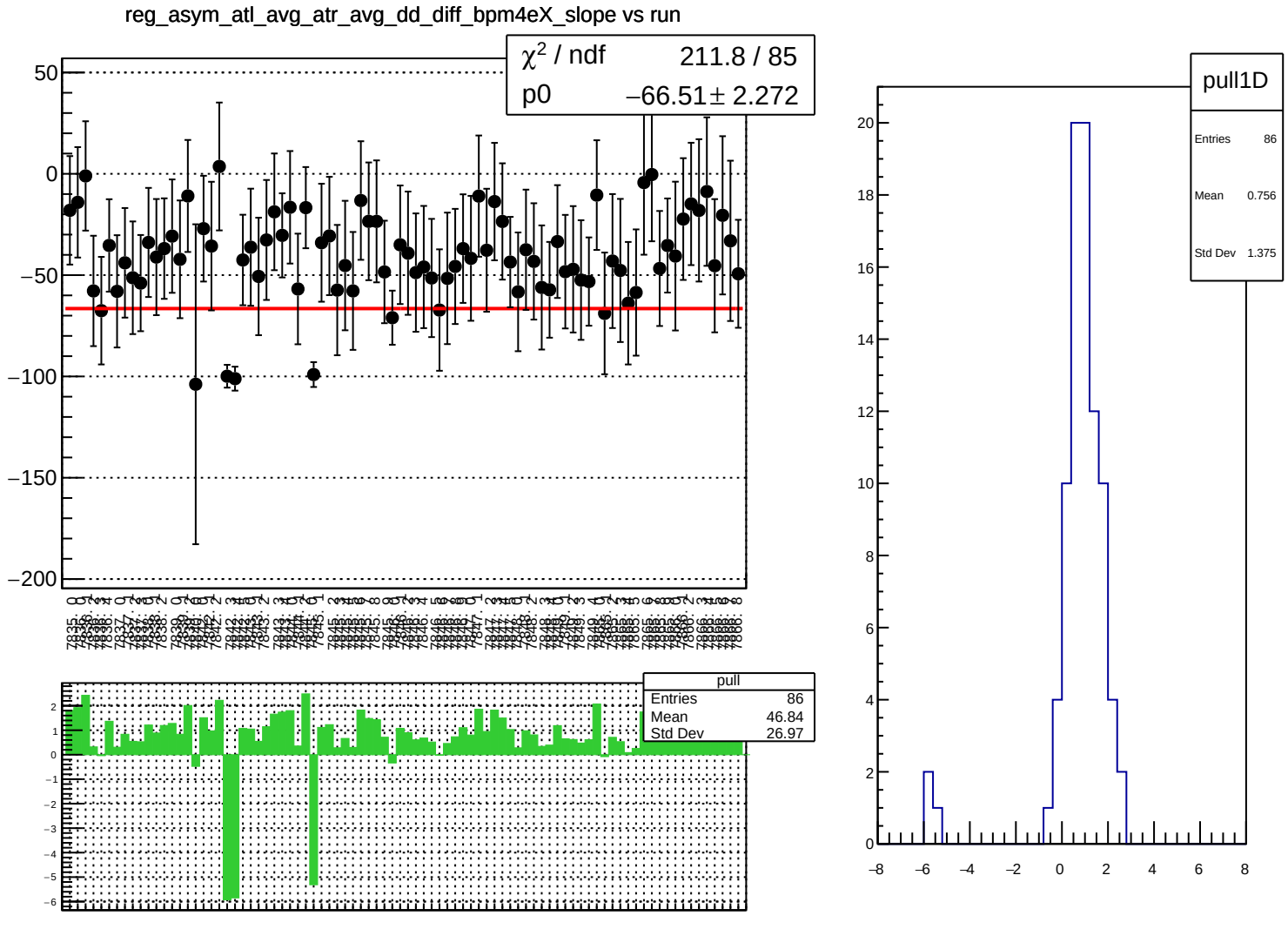

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.3 / 85
p0 10.78 ± 13.16
pull
Entries 86
Mean 163.8
Std Dev 118.5
pull1D
Entries 86
Mean −0.015
Std Dev 0.1953

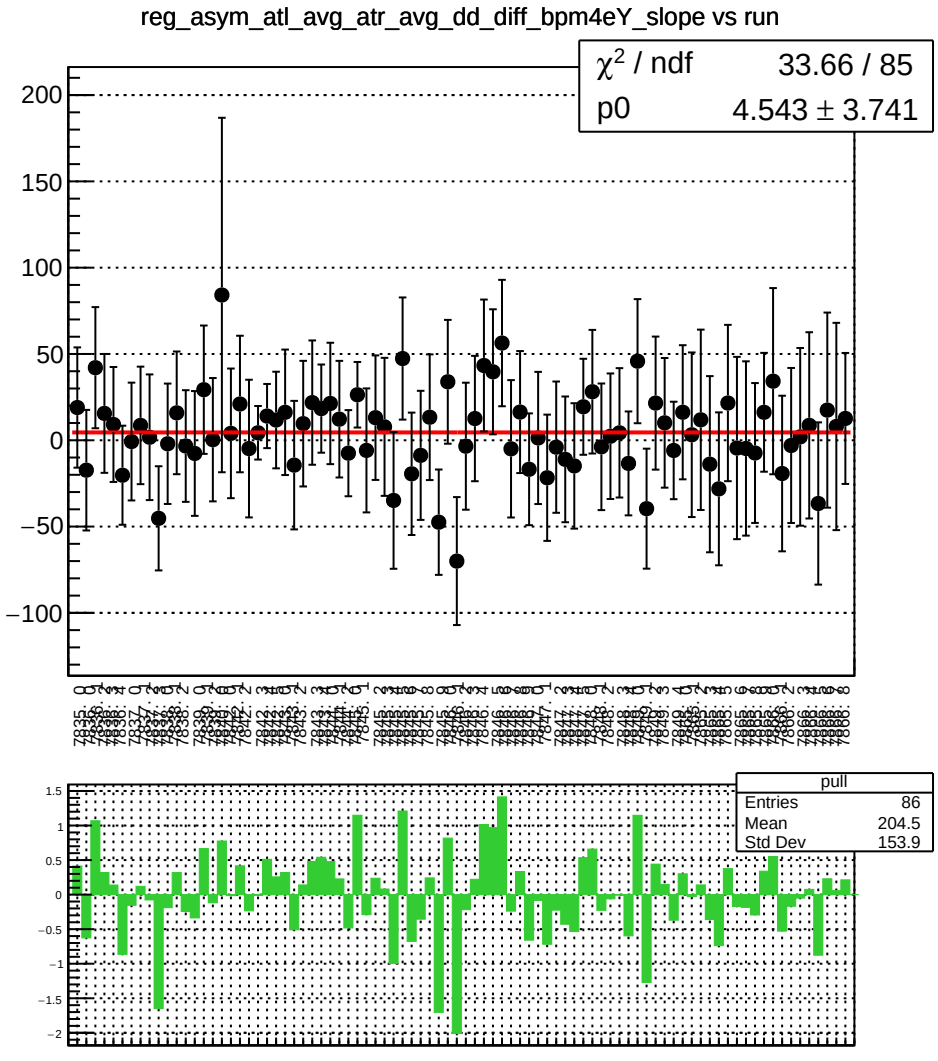

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 197.2 / 85
p0 −151.8 ± 0.3995
−130
−140
−150
−160
−170
pull
Entries 86
Mean 87.95
Std Dev 40.66
6
4
2
0
−2
−4
pull1D
Entries 86
Mean −0.1186
Std Dev 1.51
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

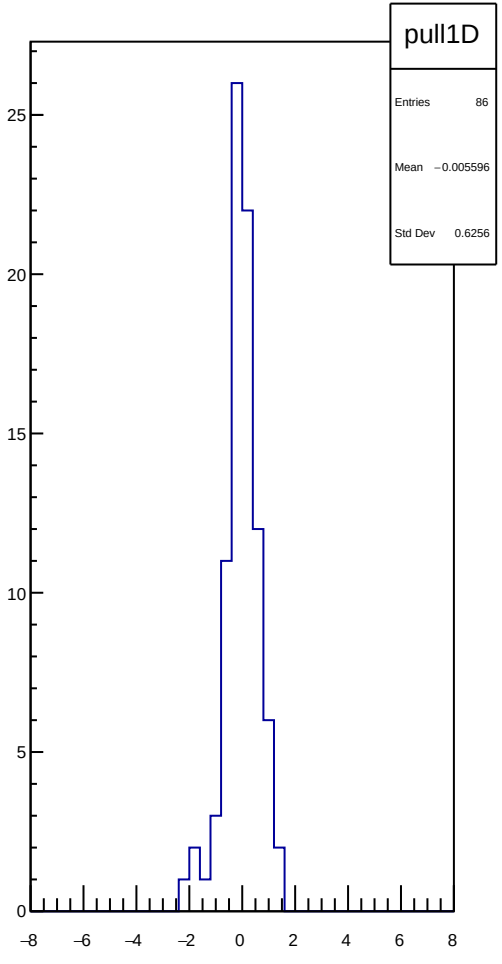

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 175.4 / 85
p0 43.38 ± 2.637
150
100
50
0
−50
pull
Entries 86
Mean 47.07
Std Dev 27.31
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.5974
Std Dev 1.297
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

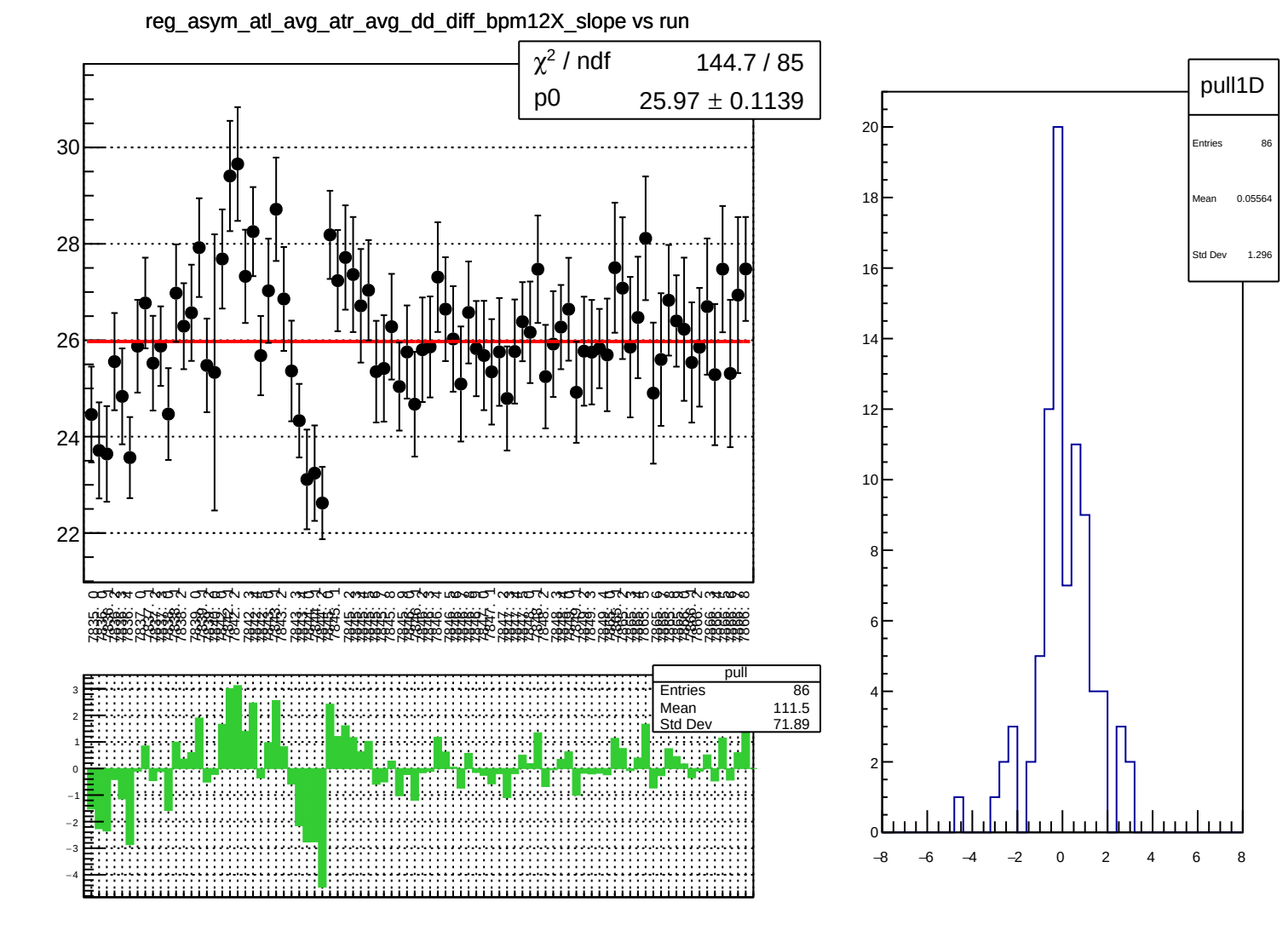

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.96 / 85
p0 −9.794 ± 3.211
pull
Entries 86
Mean 149.4
Std Dev 95.33

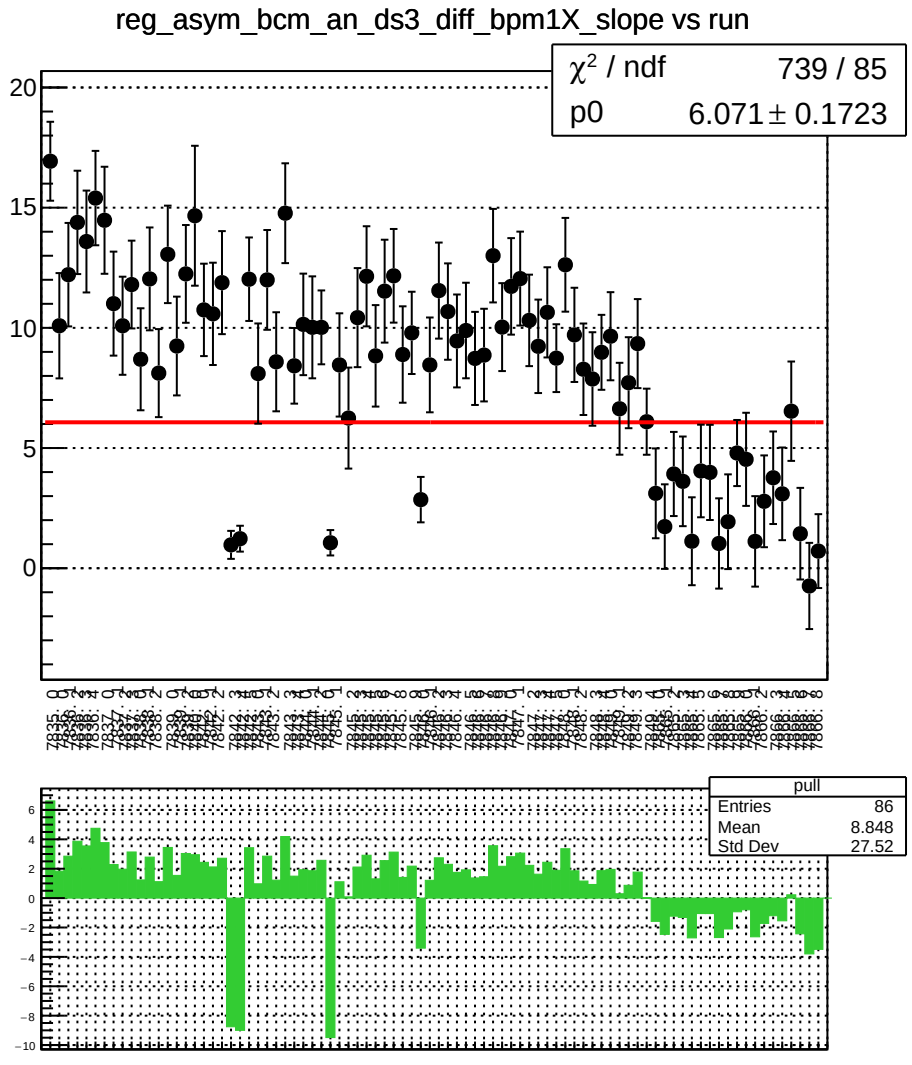

pull1D
Entries 86
Mean 0.01436
Std Dev 0.6282

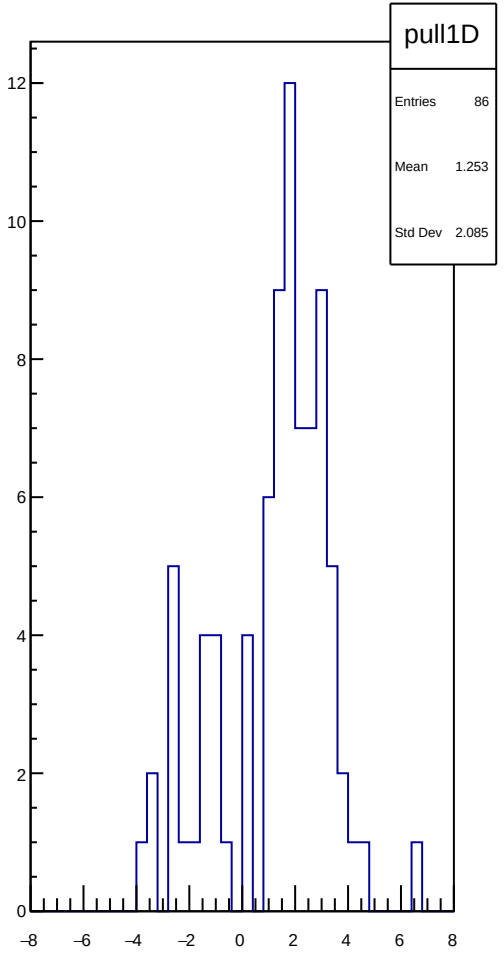

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 211.8 / 85
p0 −66.51 ± 2.272
pull
Entries 86
Mean 46.84
Std Dev 26.97
pull1D
Entries 86
Mean 0.756
Std Dev 1.375

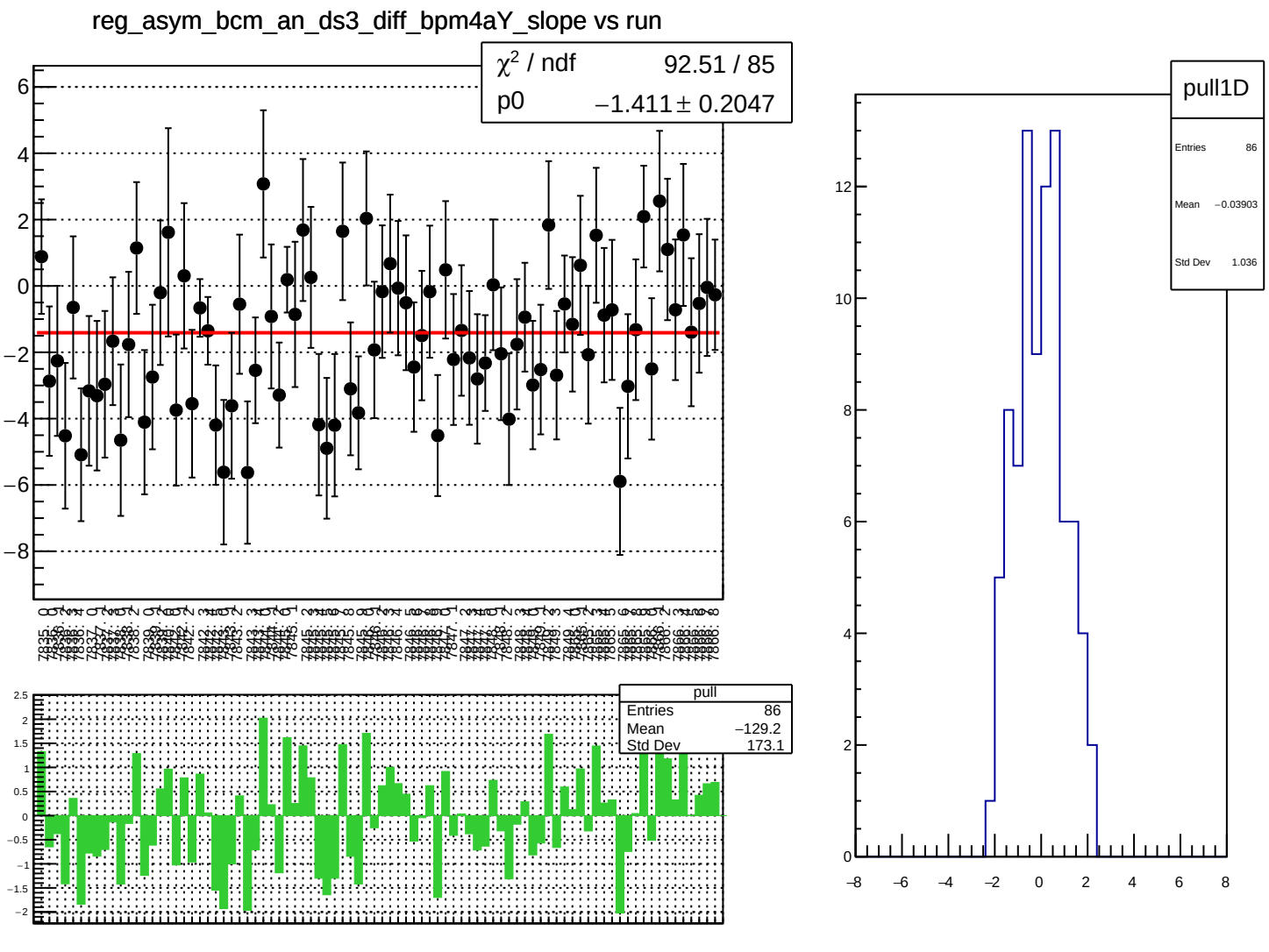

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.66 / 85
p0 4.543 ± 3.741
pull
Entries 86
Mean 204.5
Std Dev 153.9

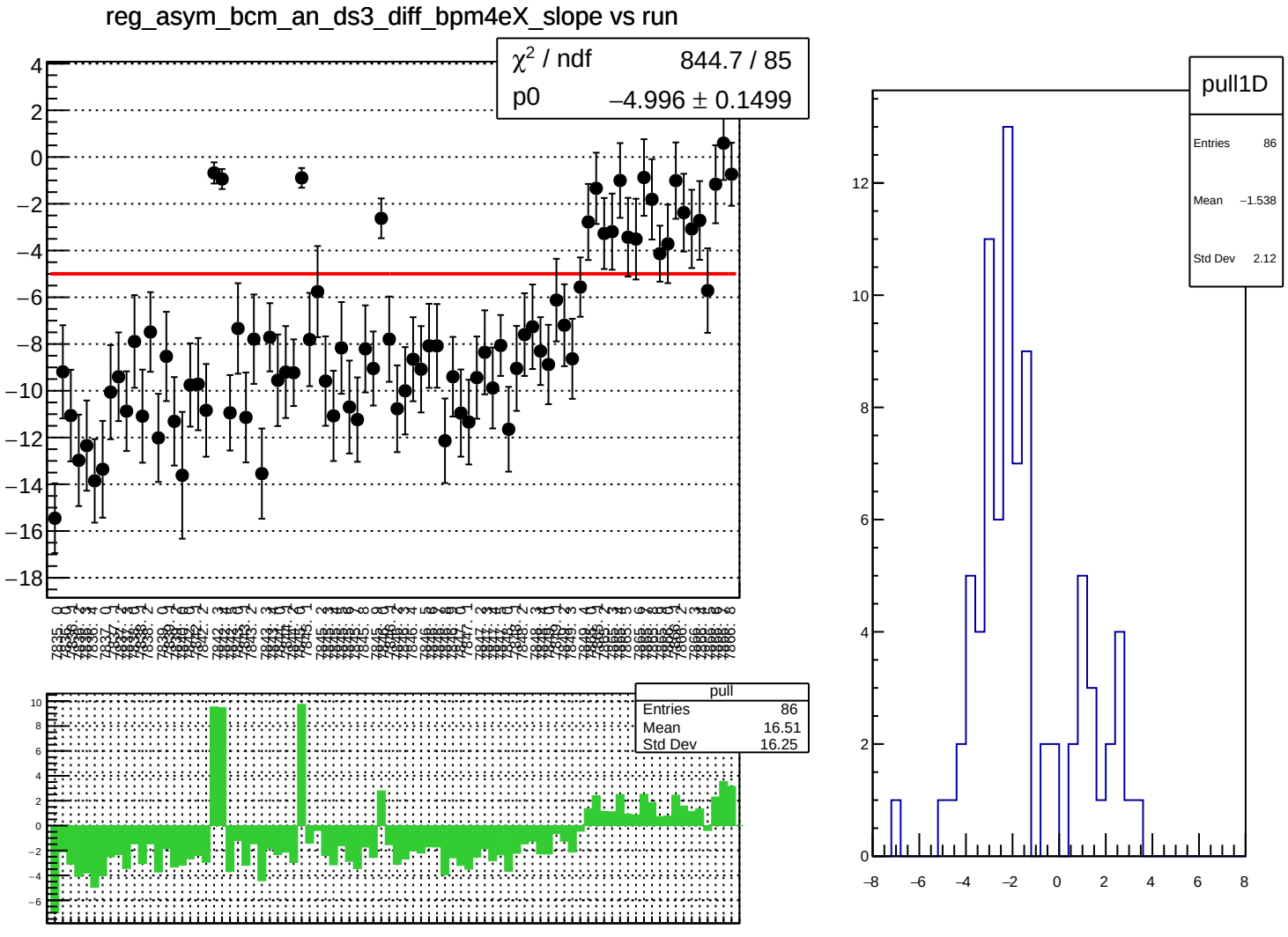

pull1D
Entries 86
Mean −0.005596
Std Dev 0.6256

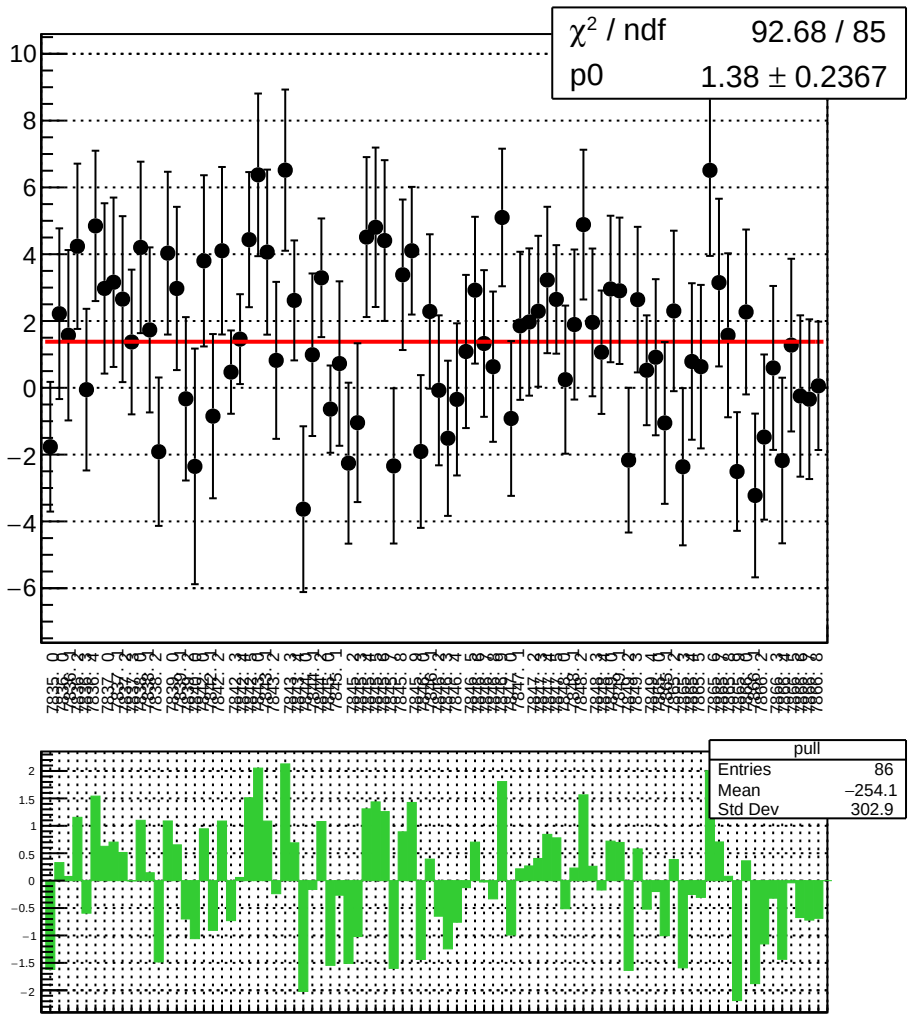

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 144.7 / 85
p0 25.97 ± 0.1139
pull
Entries 86
Mean 111.5
Std Dev 71.89
pull1D
Entries 86
Mean 0.05564
Std Dev 1.296

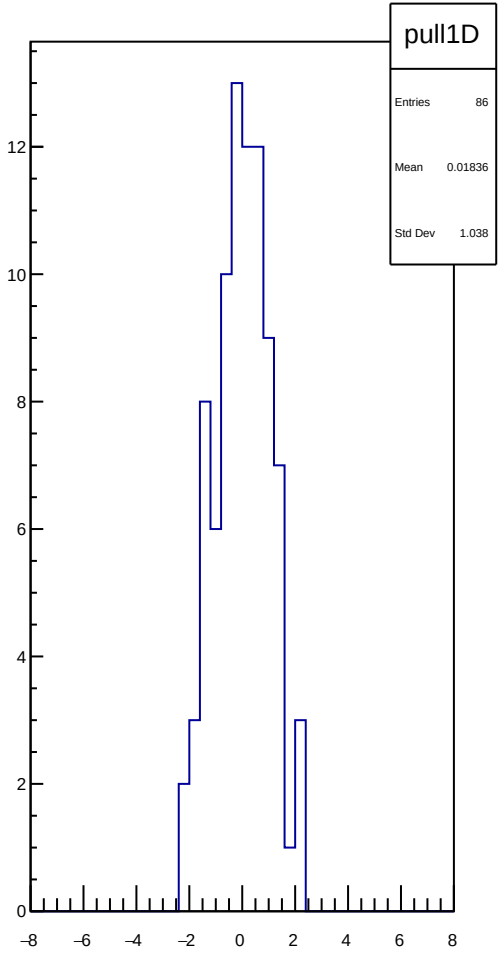

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 739 / 85
p0 6.071 ± 0.1723
pull
Entries 86
Mean 8.848
Std Dev 27.52

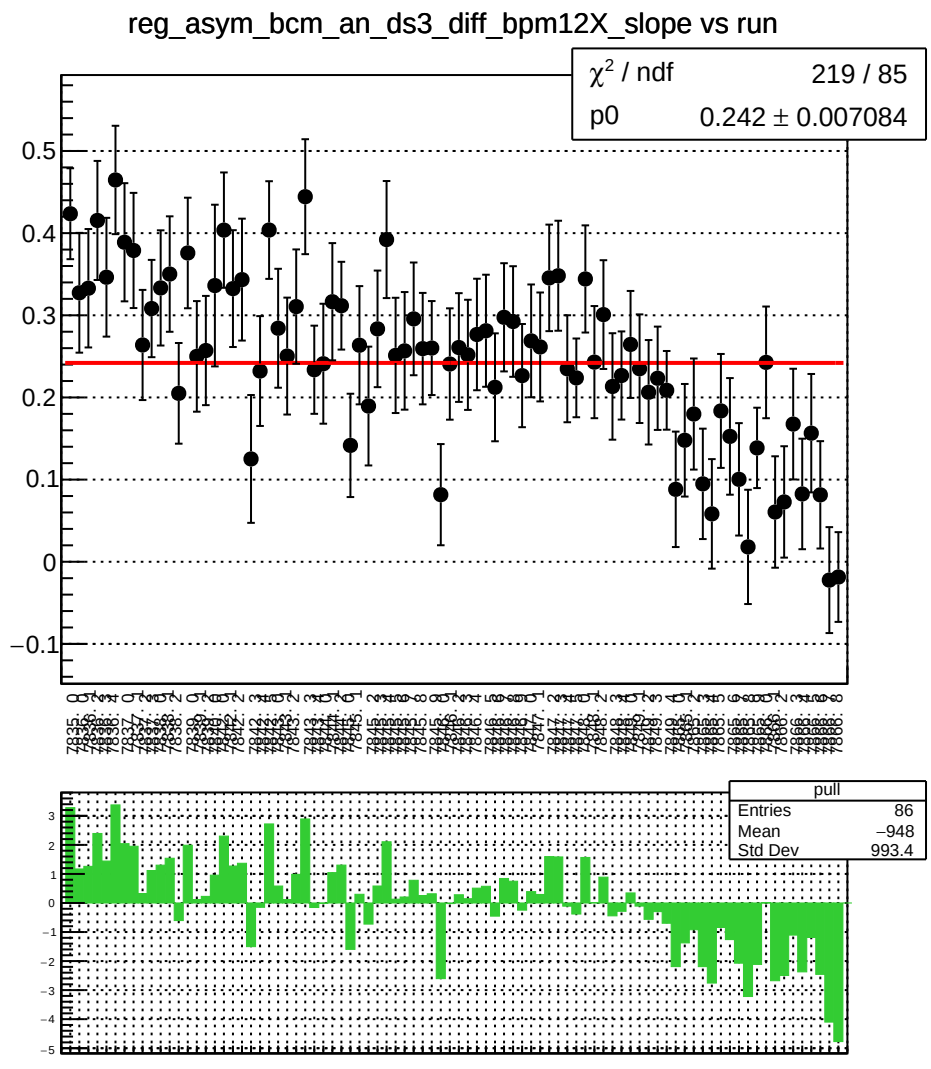

pull1D
Entries 86
Mean 1.253
Std Dev 2.085

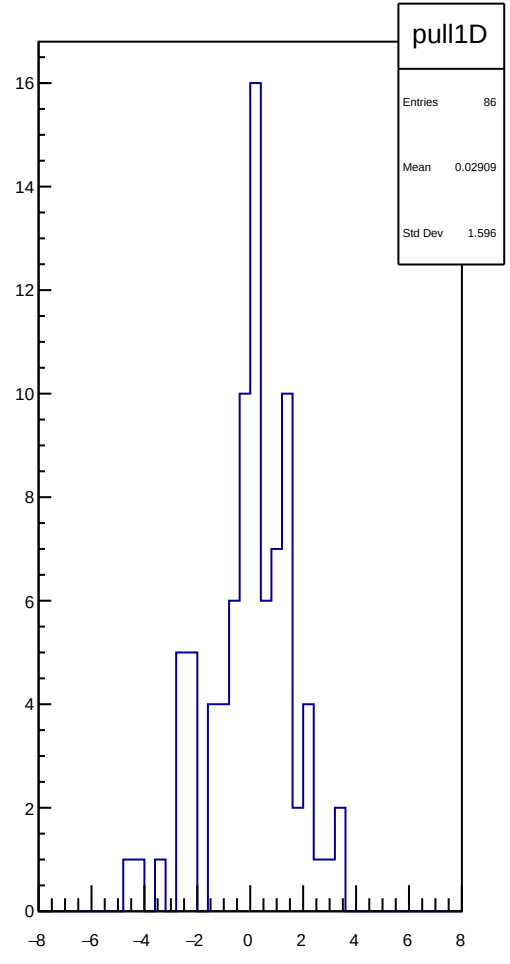

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 92.51 / 85
p0 −1.411 ± 0.2047
pull
Entries 86
Mean −129.2
Std Dev 173.1
pull1D
Entries 86
Mean −0.03903
Std Dev 1.036

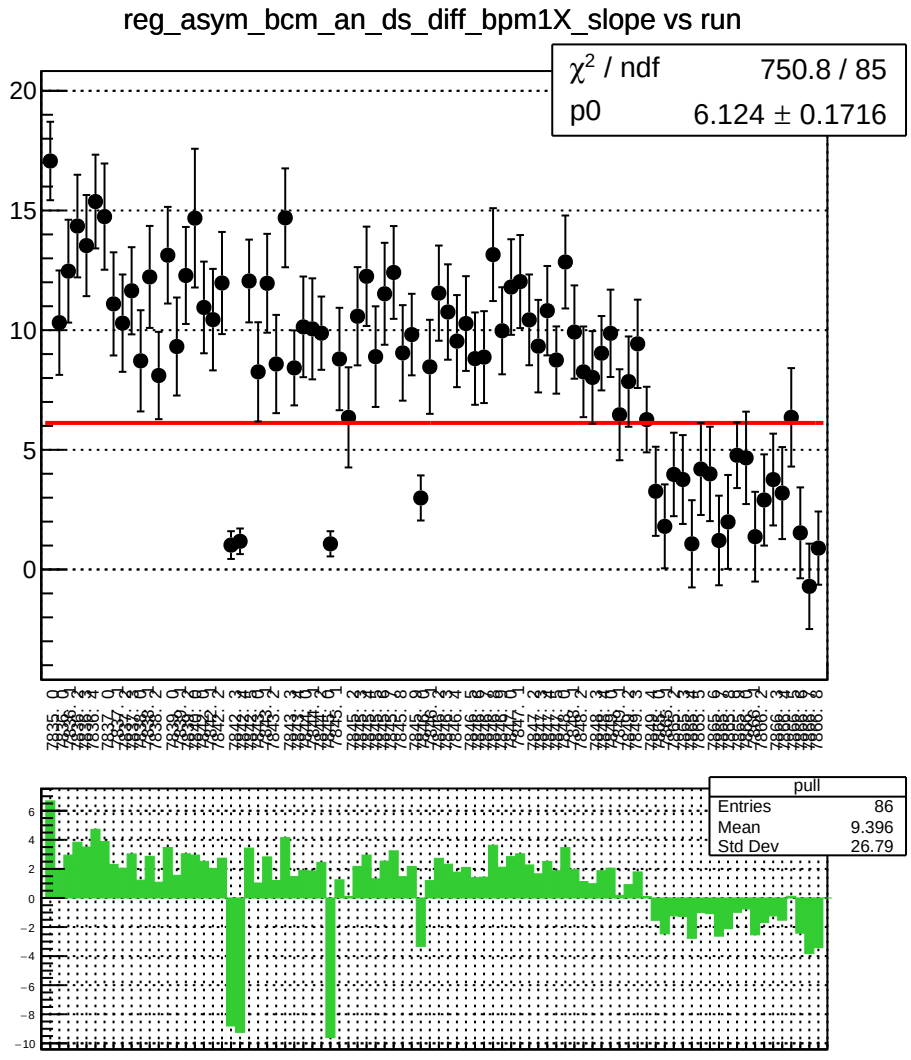

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 844.7 / 85
p0 −4.996 ± 0.1499
pull
Entries 86
Mean 16.51
Std Dev 16.25
pull1D
Entries 86
Mean −1.538
Std Dev 2.12

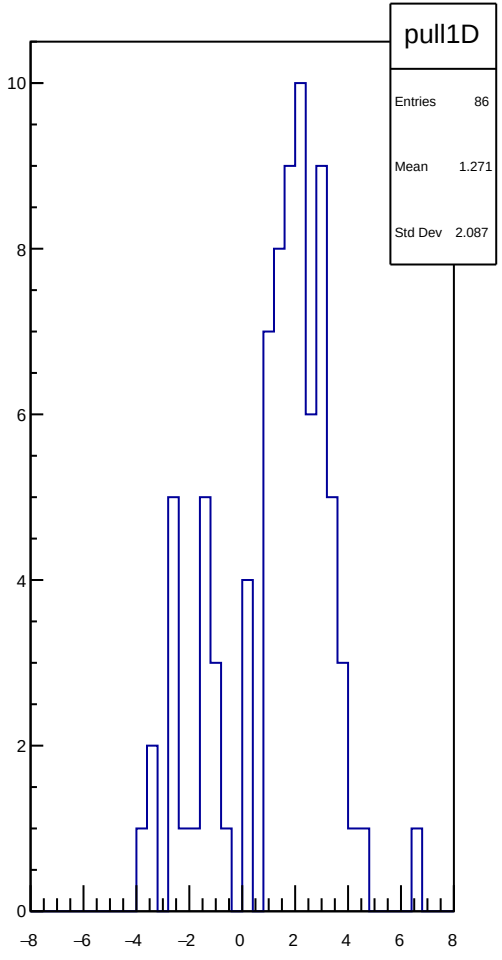

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 92.68 / 85
p0 1.38 ± 0.2367
pull
Entries 86
Mean −254.1
Std Dev 302.9

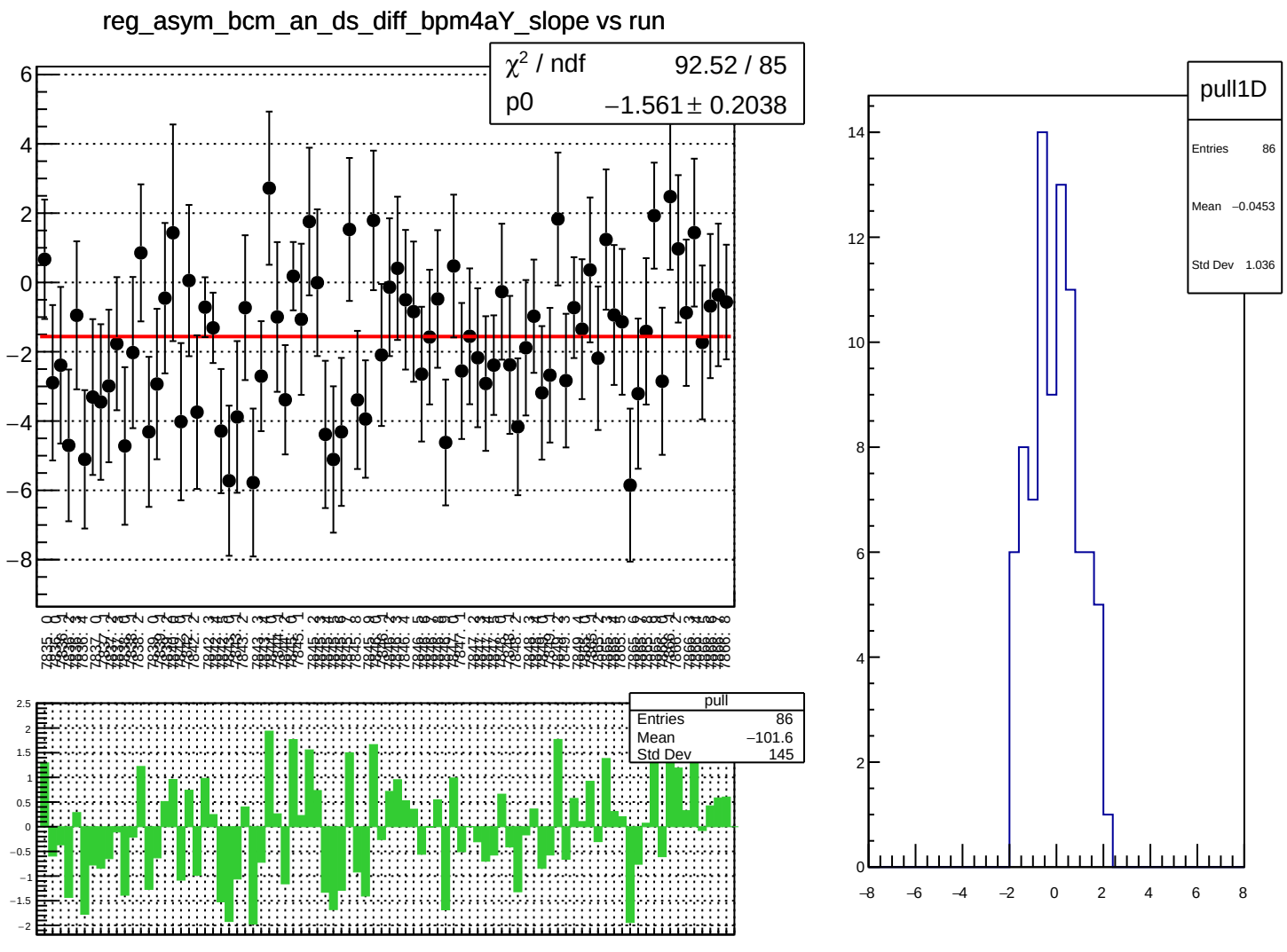

pull1D
Entries 86
Mean 0.01836
Std Dev 1.038

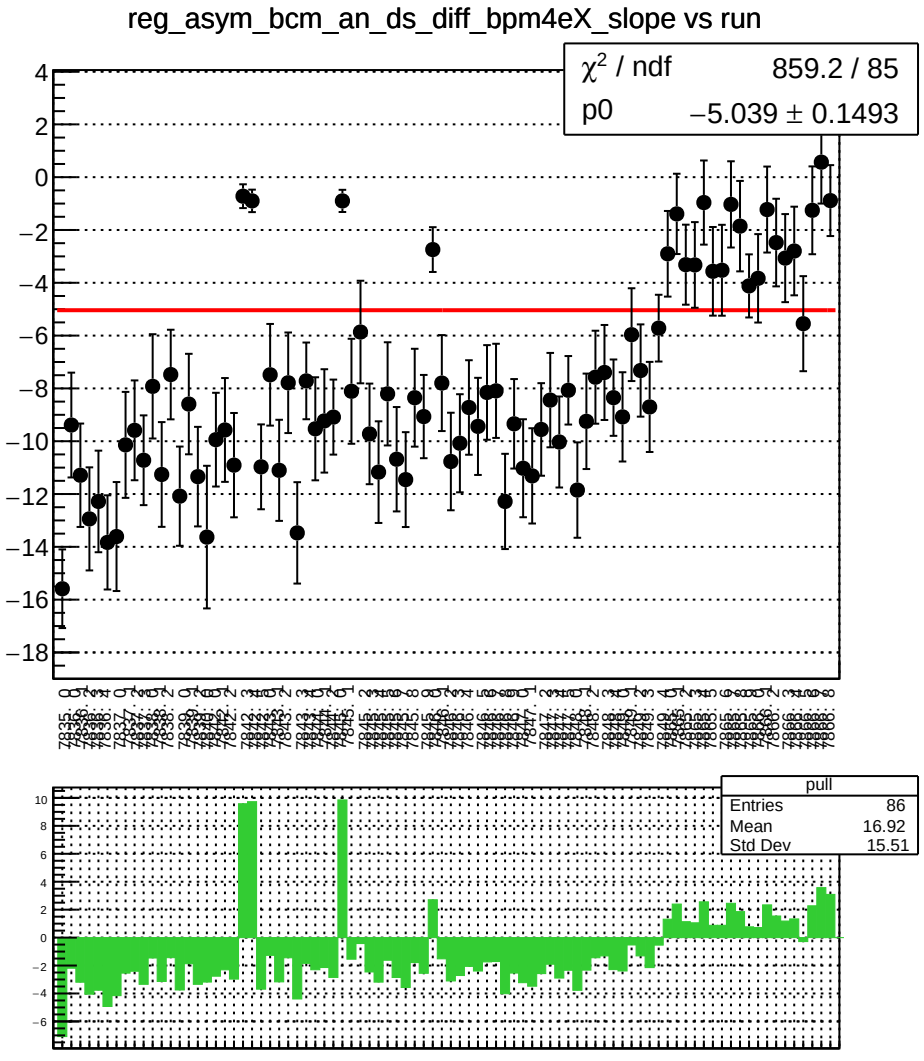

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 219 / 85
p0 0.242 ± 0.007084
pull
Entries 86
Mean −948
Std Dev 993.4

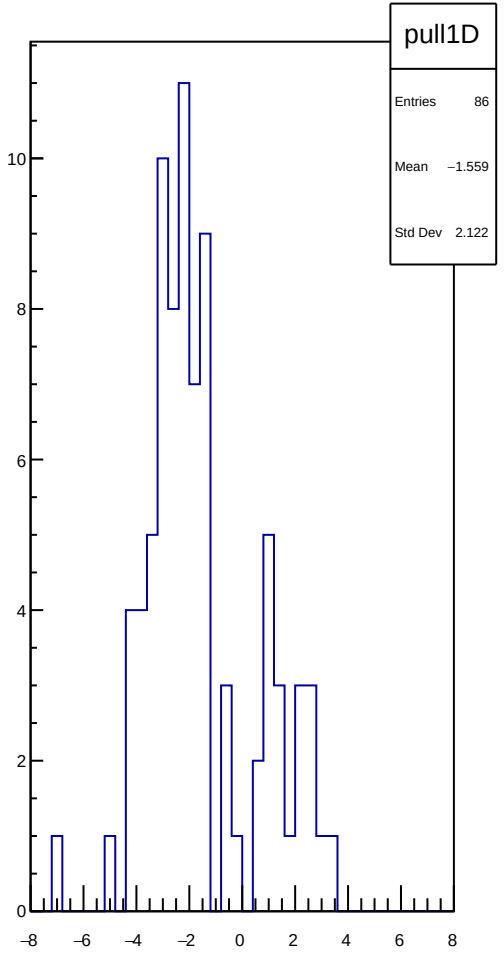

pull1D
Entries 86
Mean 0.02909
Std Dev 1.596

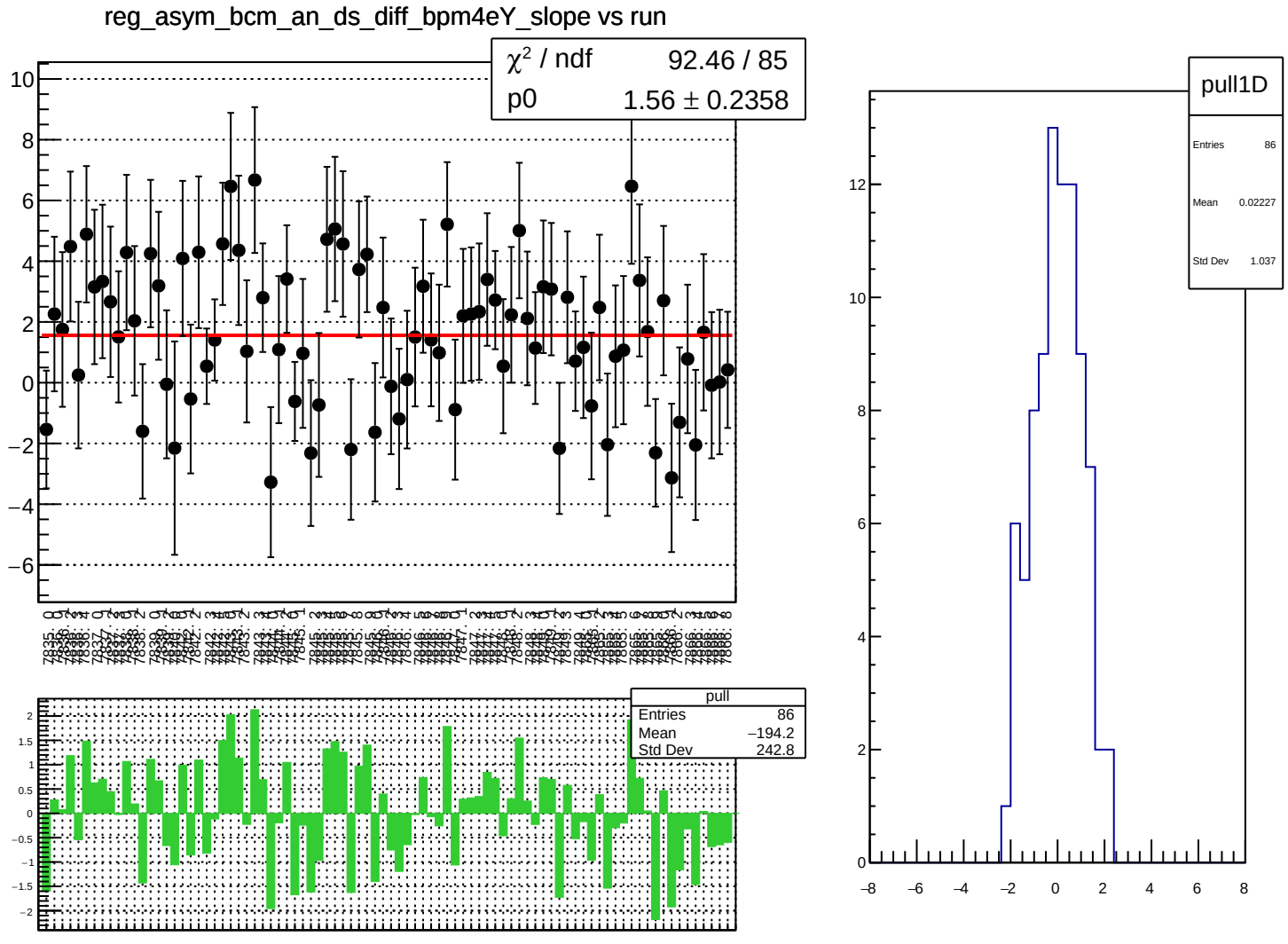

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 750.8 / 85
p0 6.124 ± 0.1716
pull
Entries 86
Mean 9.396
Std Dev 26.79

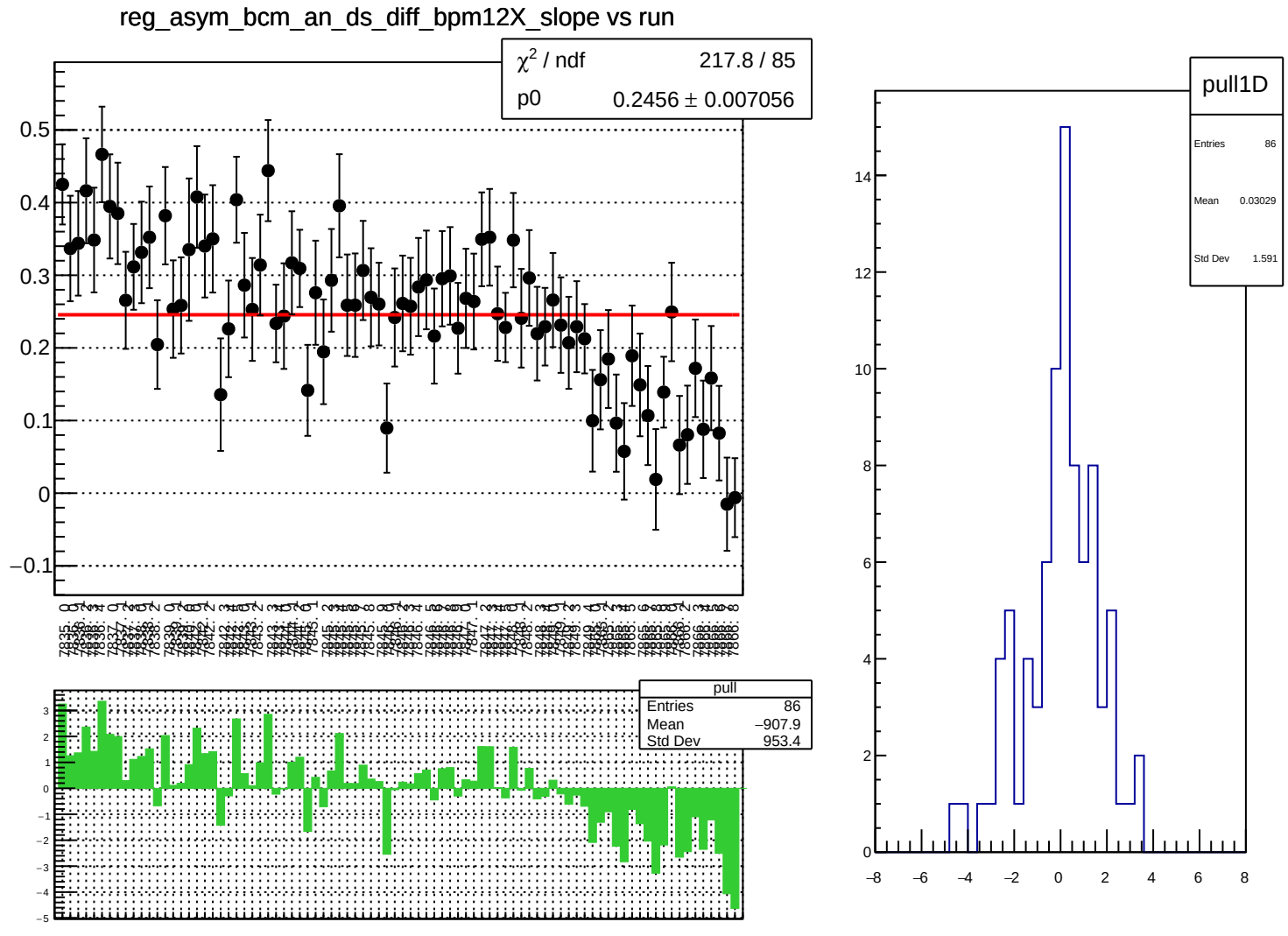

pull1D
Entries 86
Mean 1.271
Std Dev 2.087

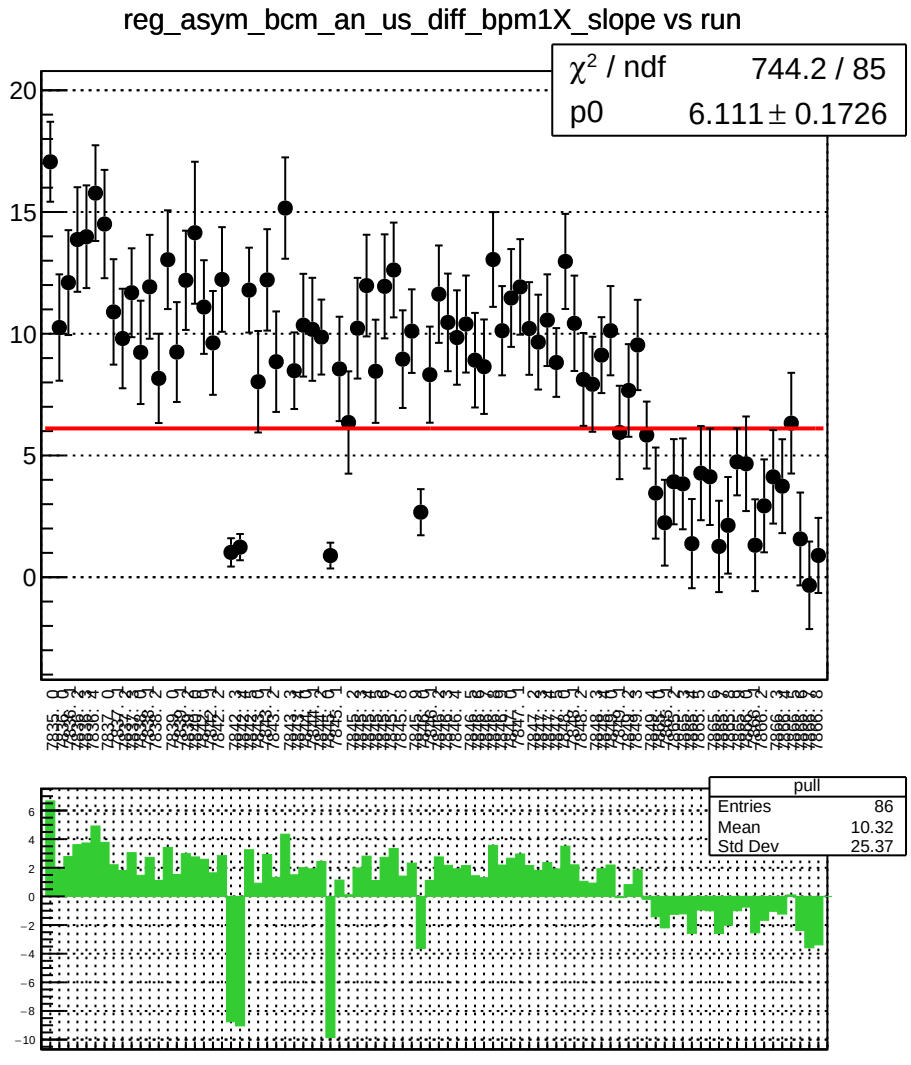

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 92.52 / 85
p0 −1.561 ± 0.2038
pull
Entries 86
Mean −101.6
Std Dev 145
pull1D
Entries 86
Mean −0.0453
Std Dev 1.036

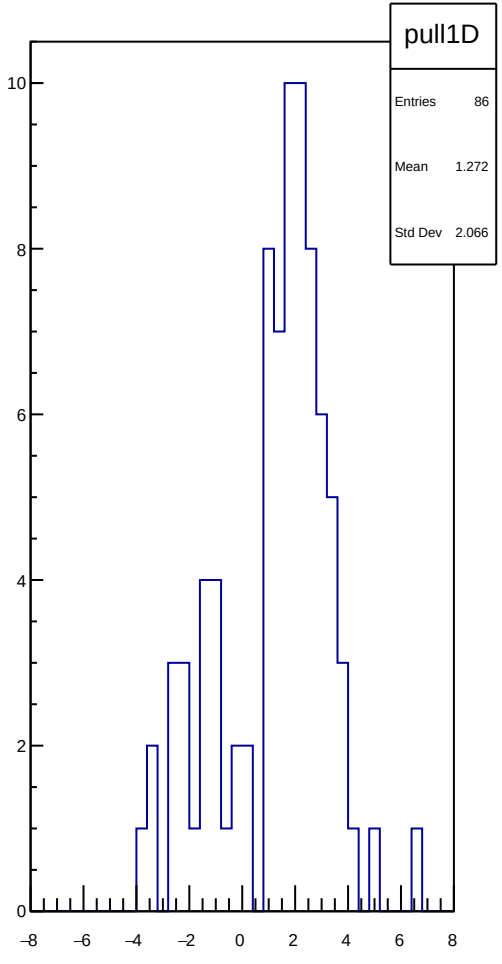

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 859.2 / 85
p0 −5.039 ± 0.1493
pull
Entries 86
Mean 16.92
Std Dev 15.51

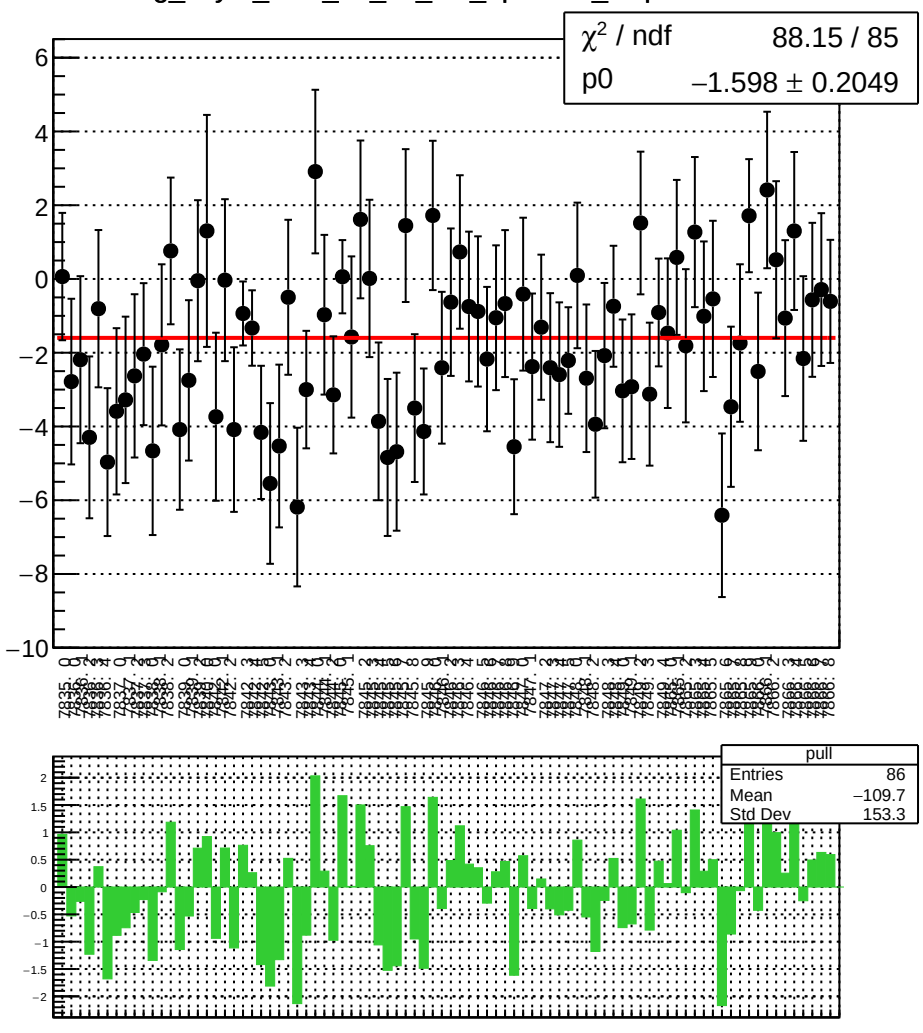

pull1D
Entries 86
Mean −1.559
Std Dev 2.122

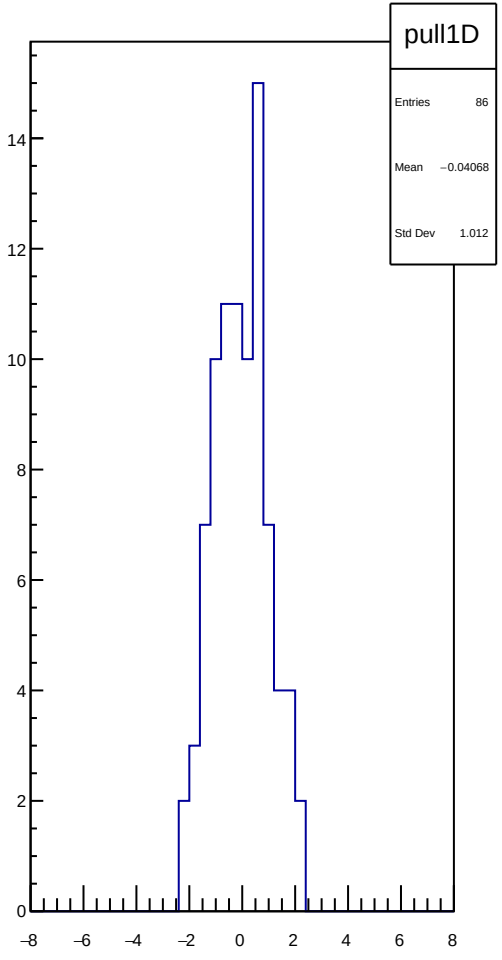

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 92.46 / 85
p0 1.56 ± 0.2358
pull
Entries 86
Mean −194.2
Std Dev 242.8
pull1D
Entries 86
Mean 0.02227
Std Dev 1.037

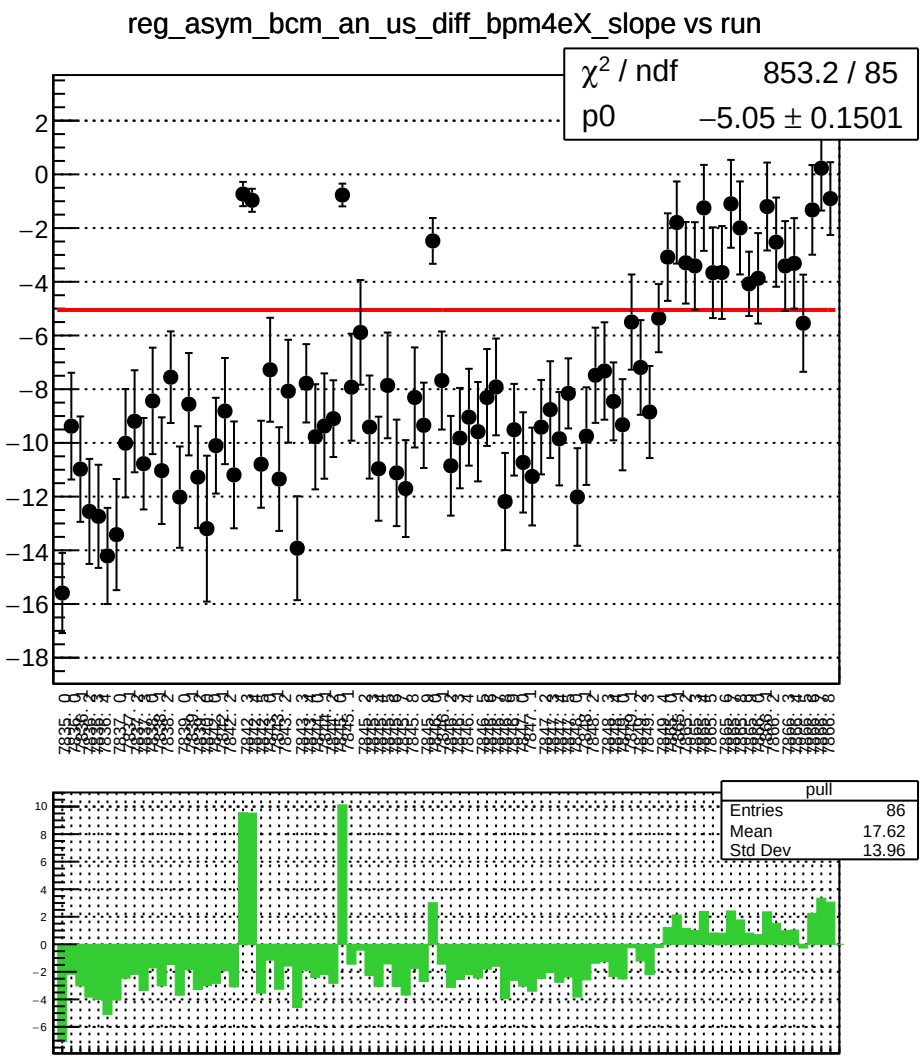

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 217.8 / 85
p0 0.2456 ± 0.007056
pull
Entries 86
Mean −907.9
Std Dev 953.4
pull1D
Entries 86
Mean 0.03029
Std Dev 1.591

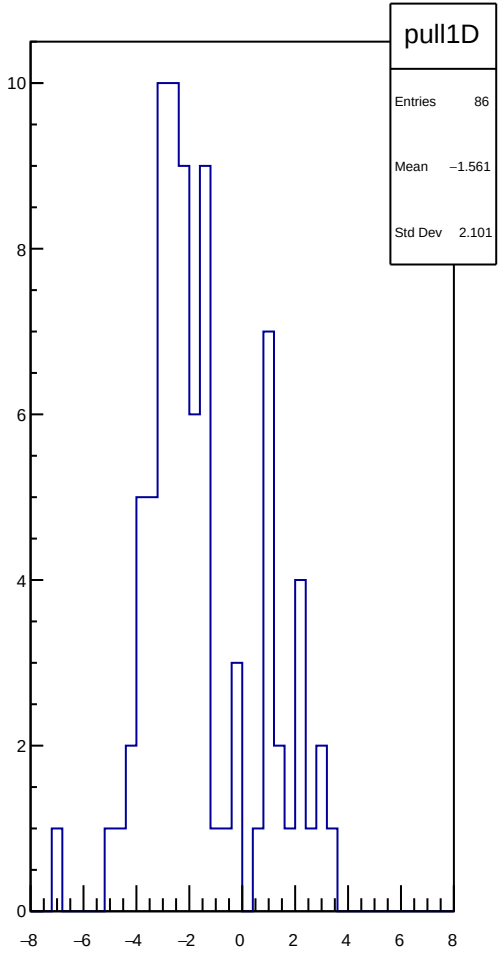

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 744.2 / 85
p0 6.111 ± 0.1726
pull
Entries 86
Mean 10.32
Std Dev 25.37

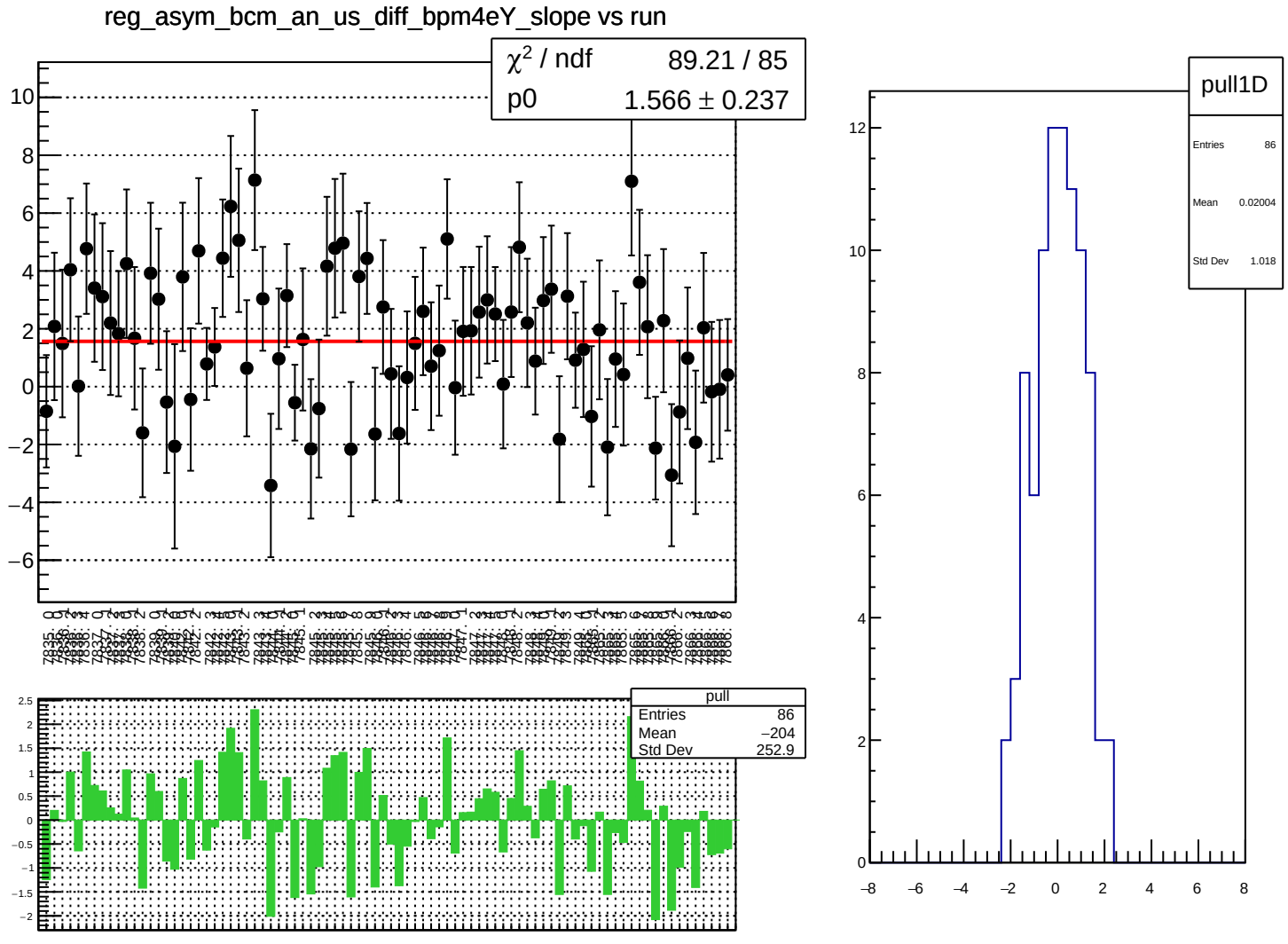

pull1D
Entries 86
Mean 1.272
Std Dev 2.066

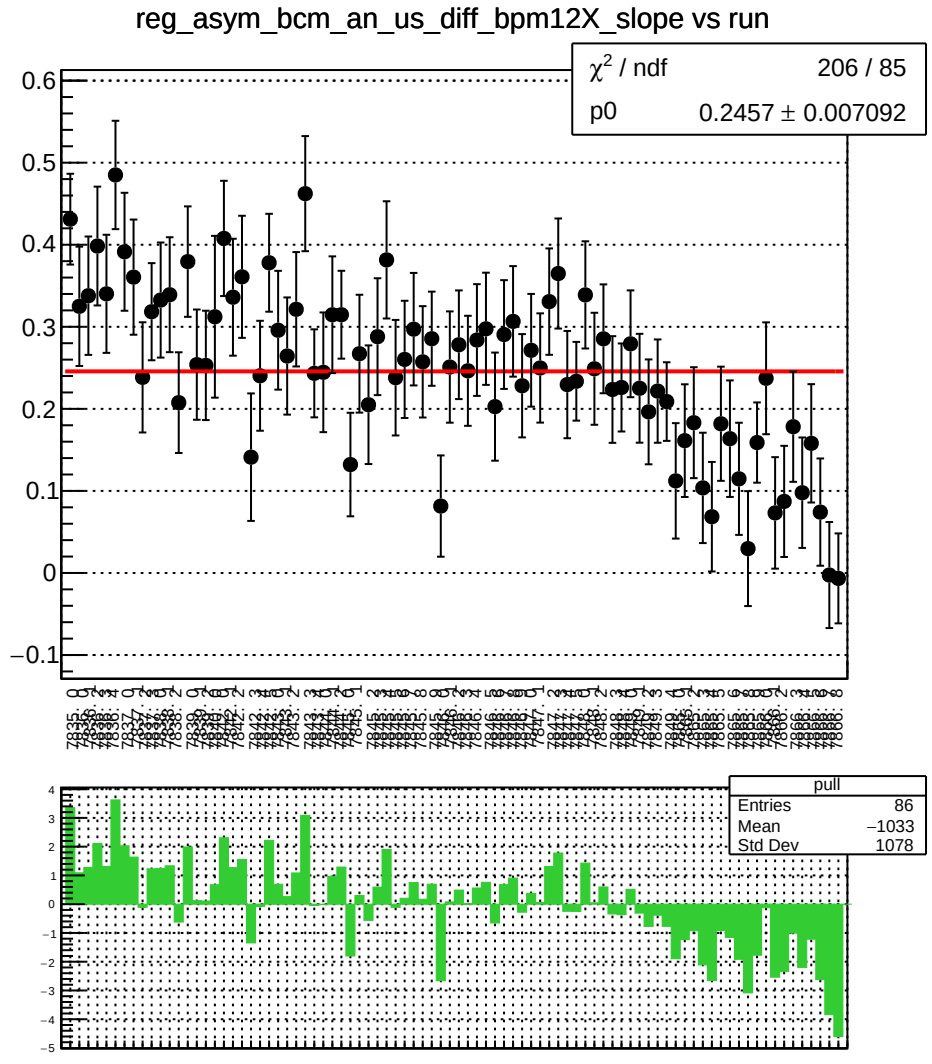

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 88.15 / 85
p0 −1.598 ± 0.2049
pull
Entries 86
Mean −109.7
Std Dev 153.3

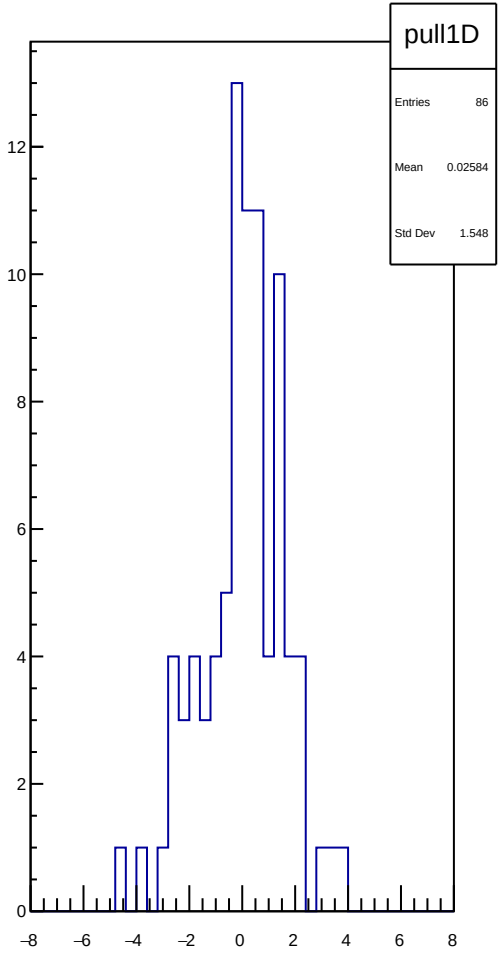

pull1D
Entries 86
Mean −0.04068
Std Dev 1.012

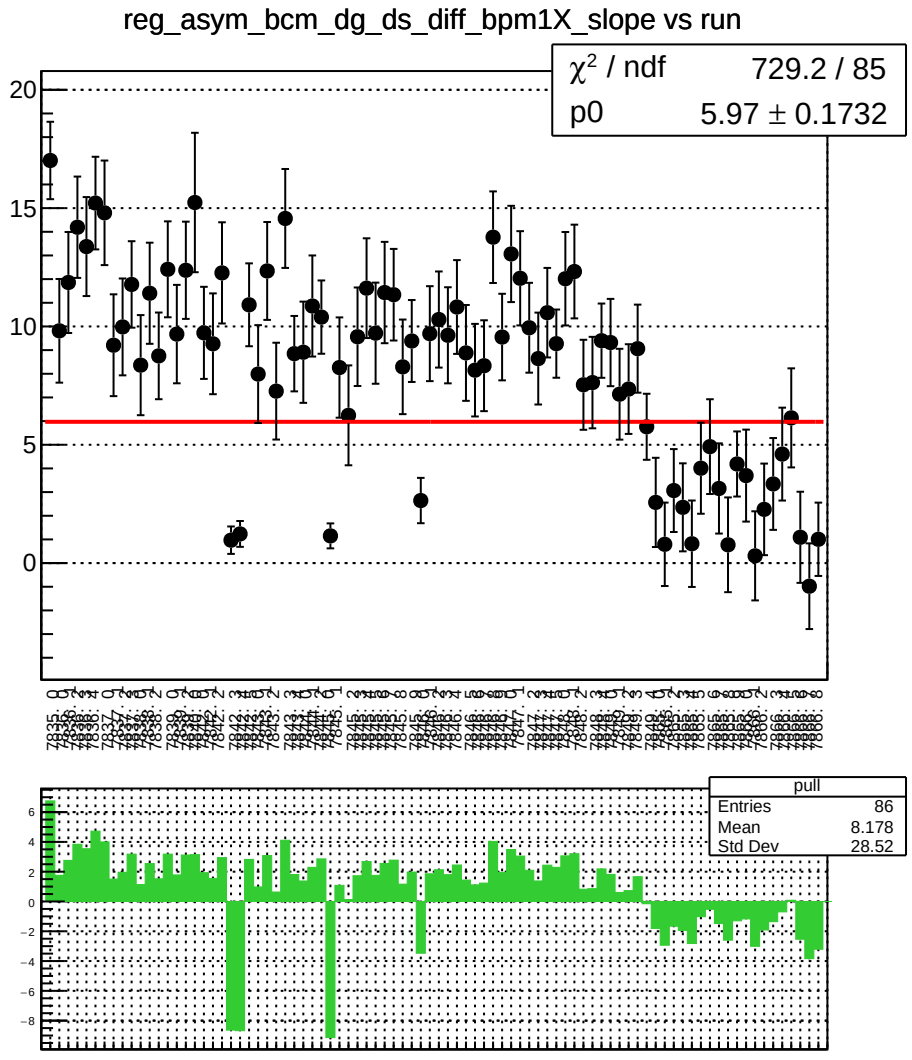

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 853.2 / 85
p0 −5.05 ± 0.1501
pull
Entries 86
Mean 17.62
Std Dev 13.96

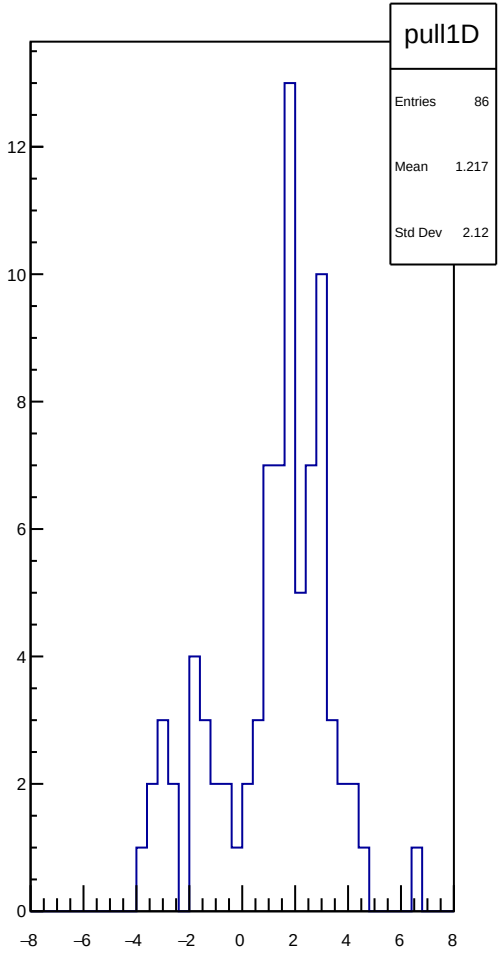

pull1D
Entries 86
Mean −1.561
Std Dev 2.101

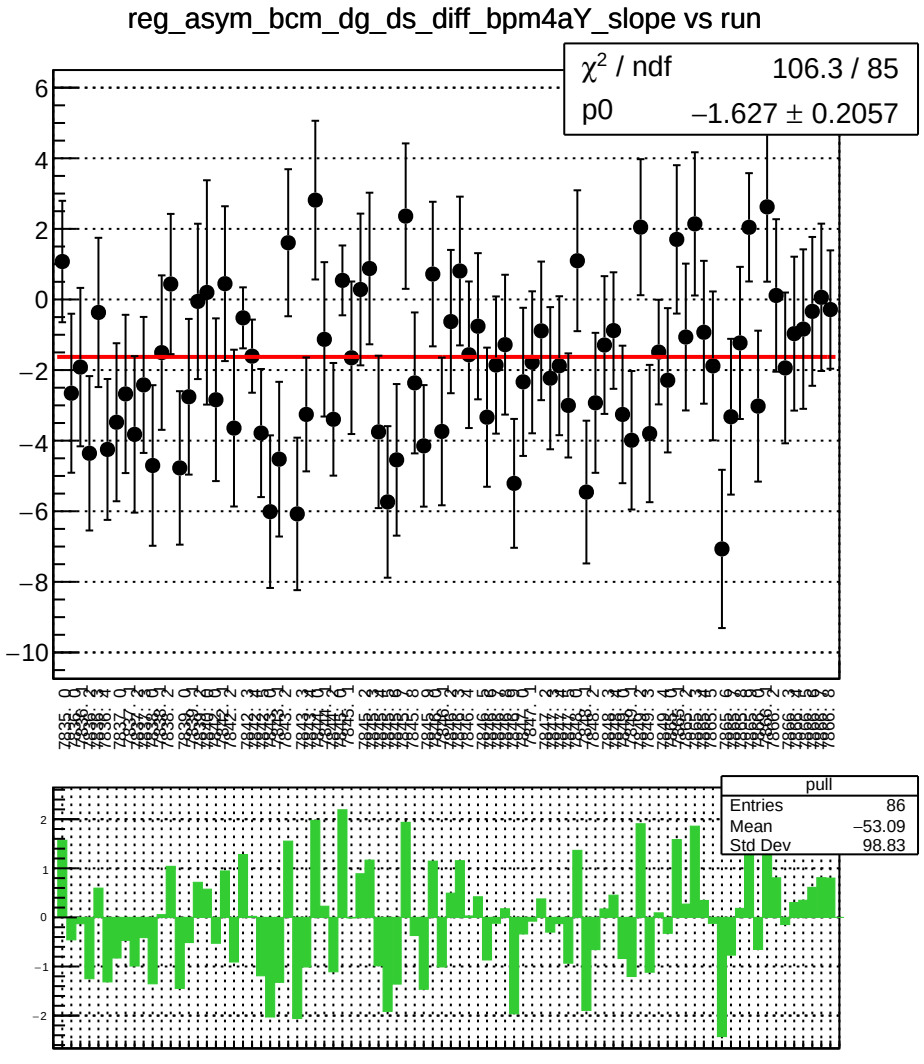

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 89.21 / 85
p0 1.566 ± 0.237
pull
Entries 86
Mean −204
Std Dev 252.9
pull1D
Entries 86
Mean 0.02004
Std Dev 1.018

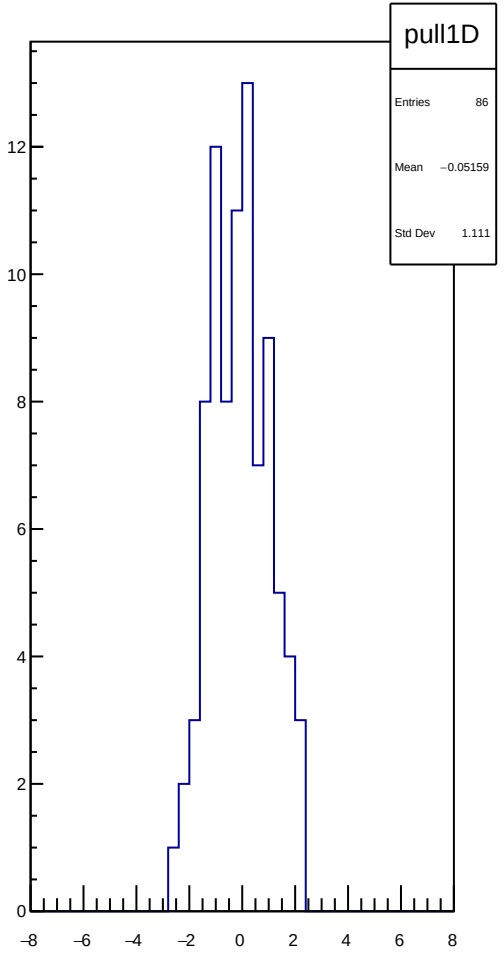

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 206 / 85
p0 0.2457 ± 0.007092
pull
Entries 86
Mean −1033
Std Dev 1078

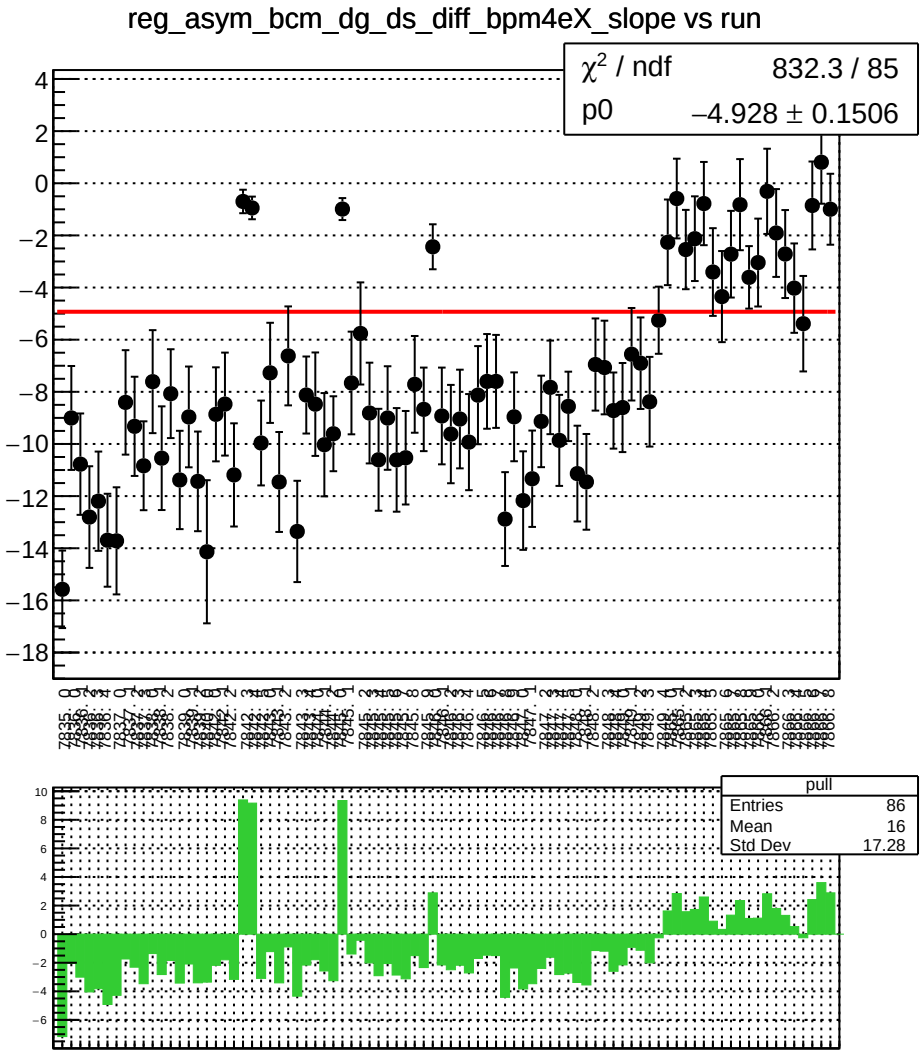

pull1D
Entries 86
Mean 0.02584
Std Dev 1.548

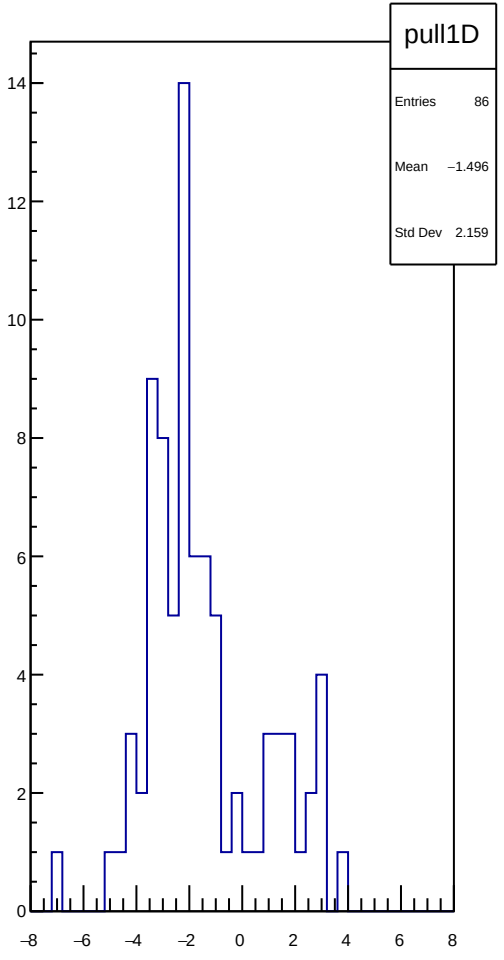

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 729.2 / 85
p0 5.97 ± 0.1732
pull
Entries 86
Mean 8.178
Std Dev 28.52

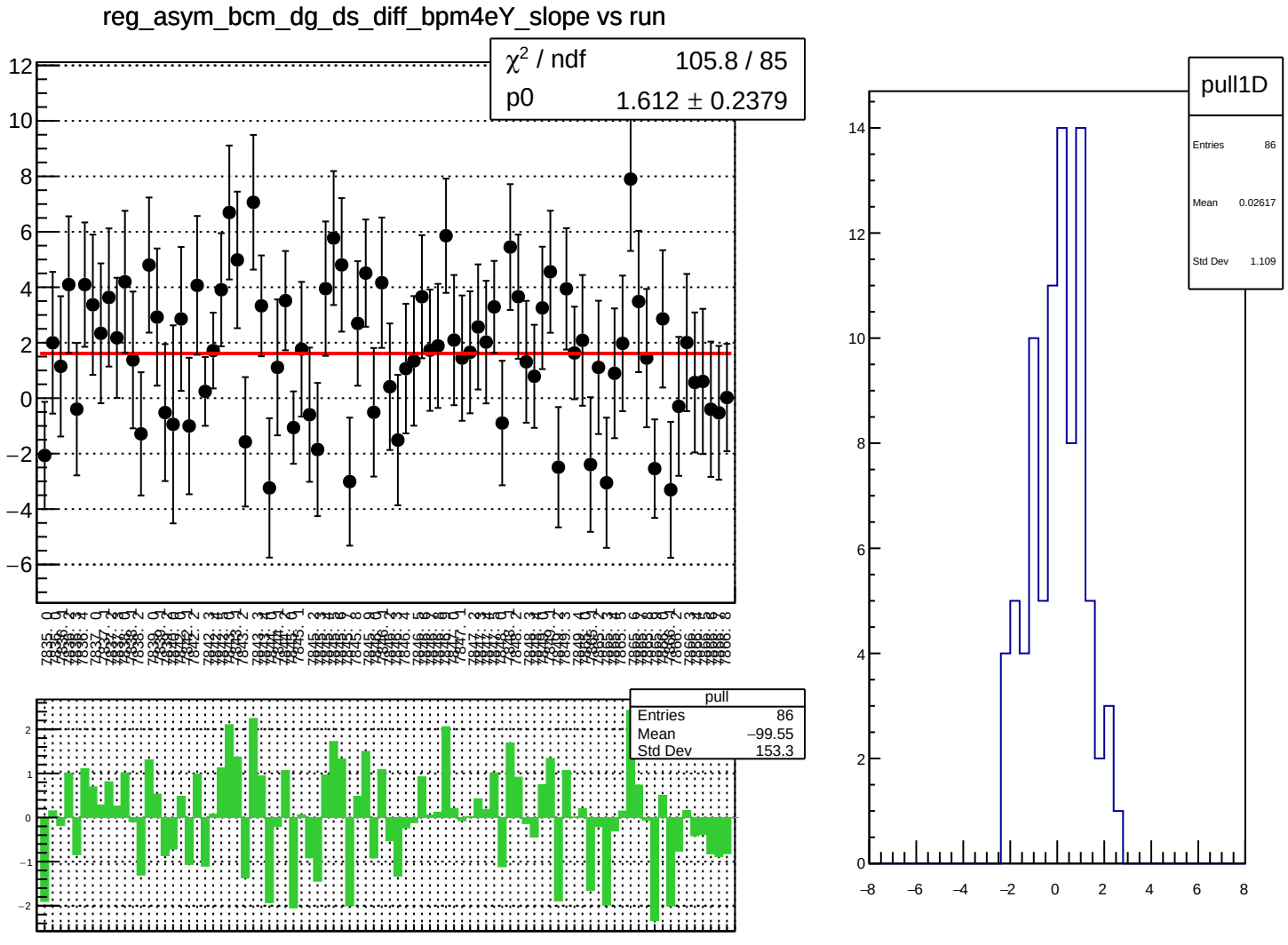

pull1D
Entries 86
Mean 1.217
Std Dev 2.12

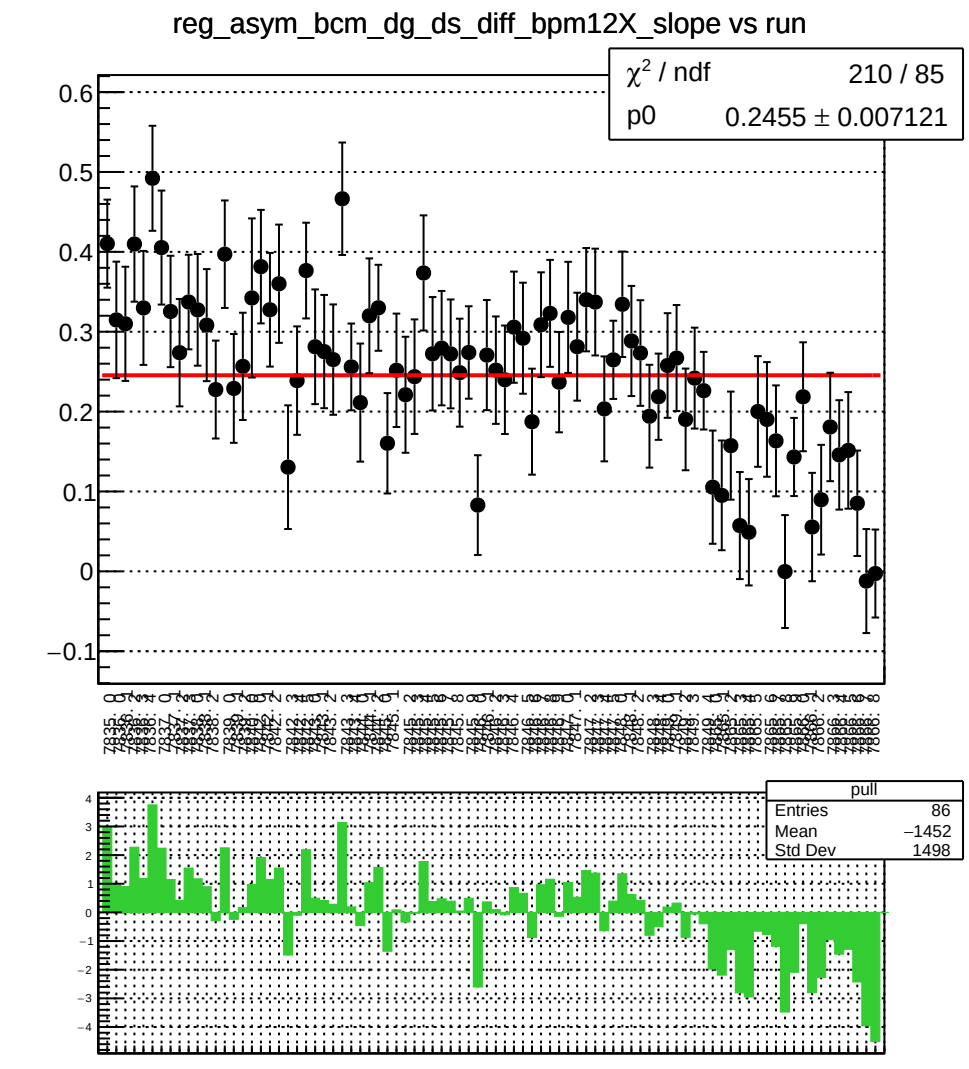

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 106.3 / 85
p0 −1.627 ± 0.2057
pull
Entries 86
Mean −53.09
Std Dev 98.83

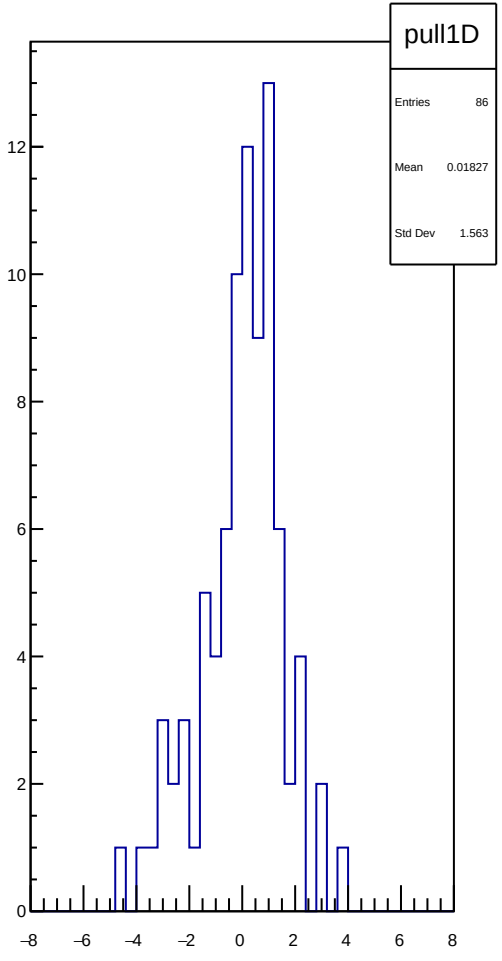

pull1D
Entries 86
Mean −0.05159
Std Dev 1.111

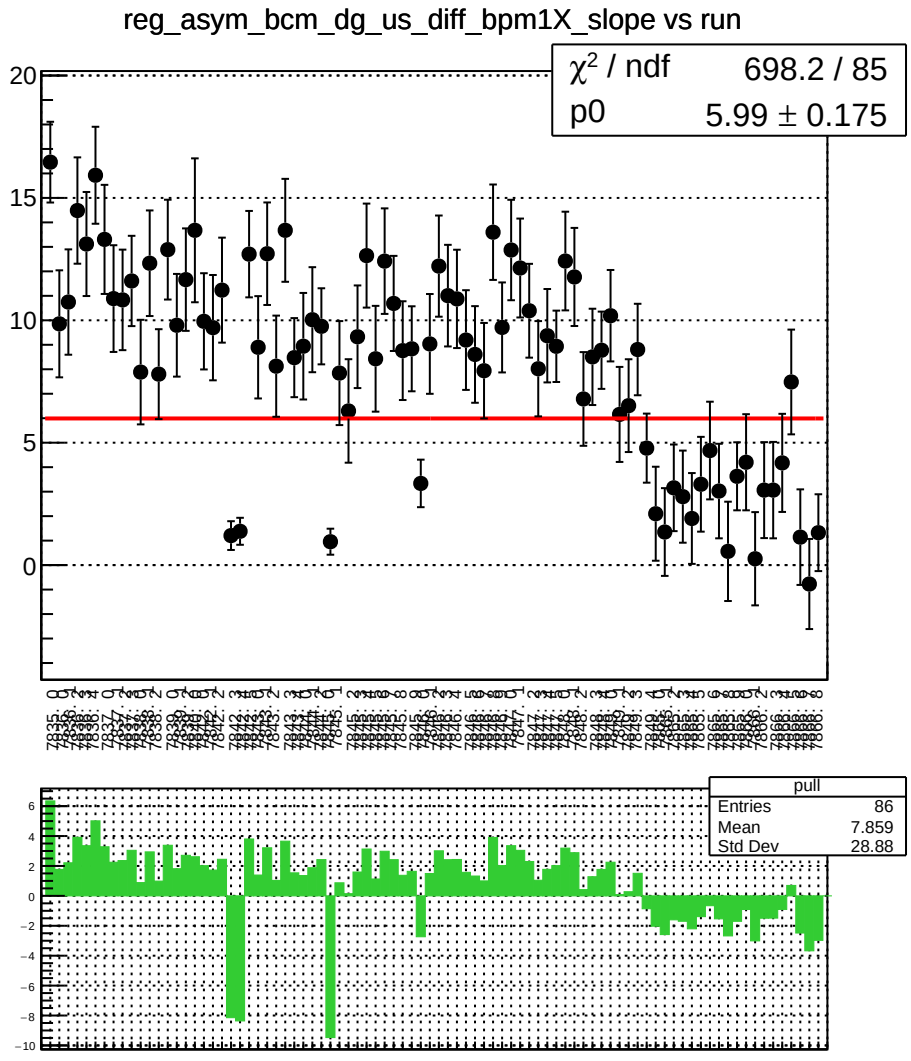

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 832.3 / 85
p0 −4.928 ± 0.1506
pull
Entries 86
Mean 16
Std Dev 17.28

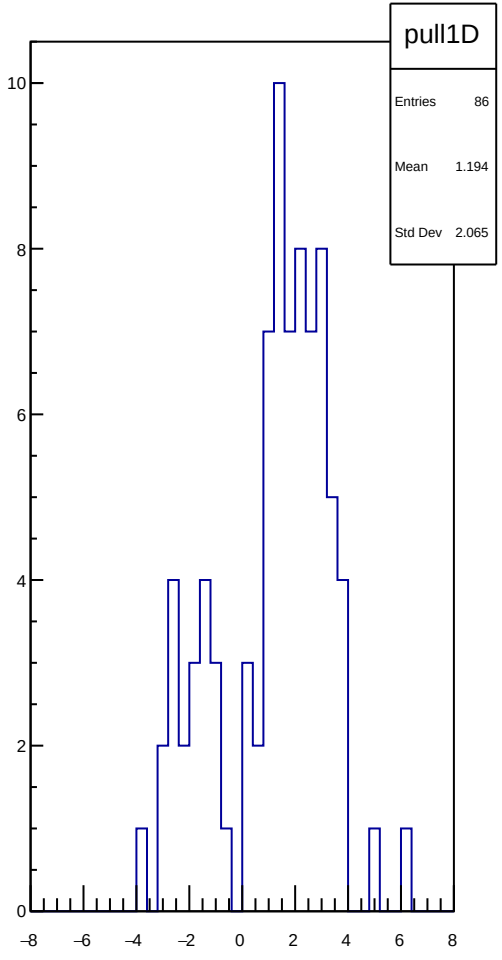

pull1D
Entries 86
Mean −1.496
Std Dev 2.159

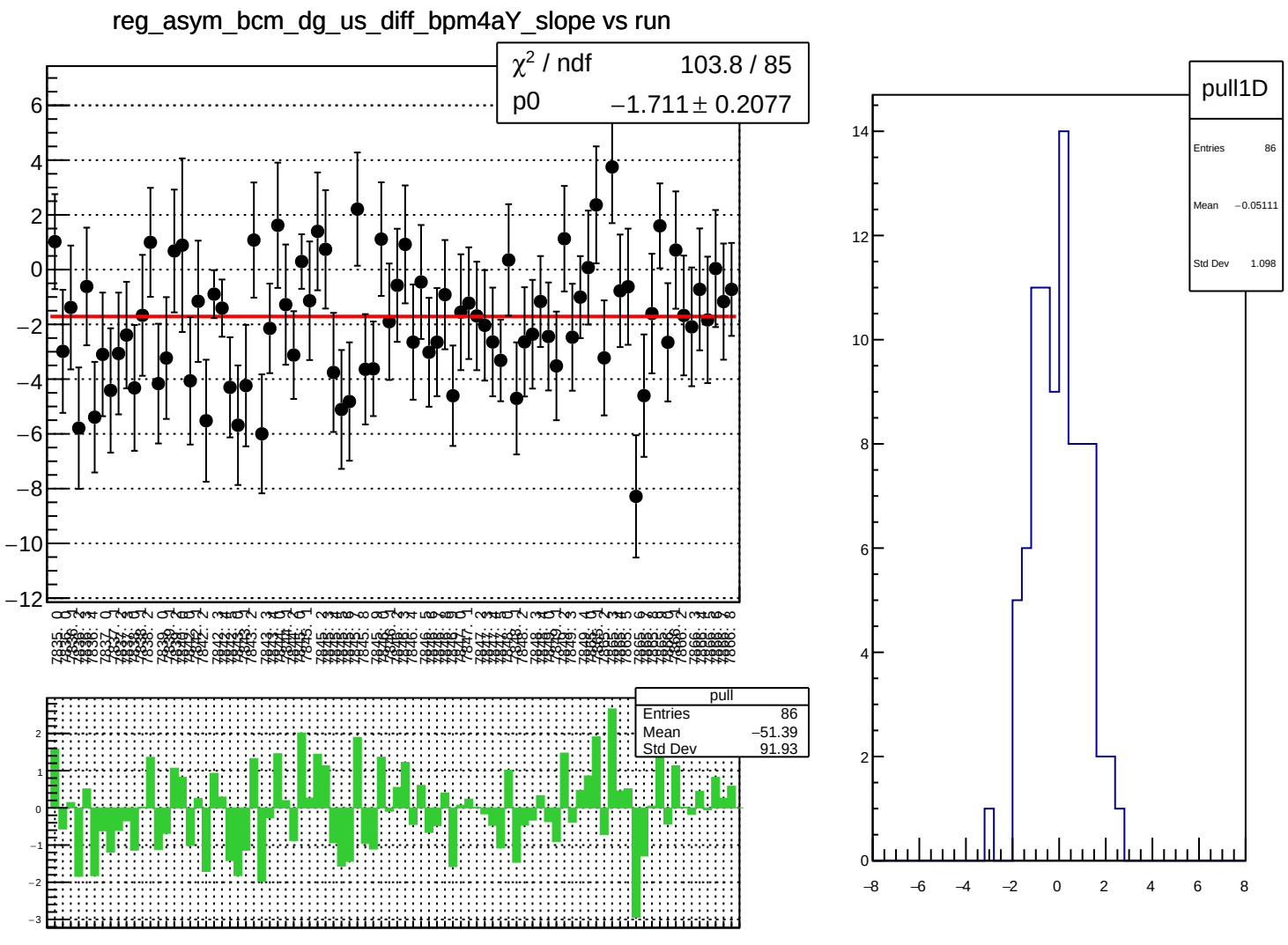

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 105.8 / 85
p0 1.612 ± 0.2379
pull
Entries 86
Mean −99.55
Std Dev 153.3
pull1D
Entries 86
Mean 0.02617
Std Dev 1.109

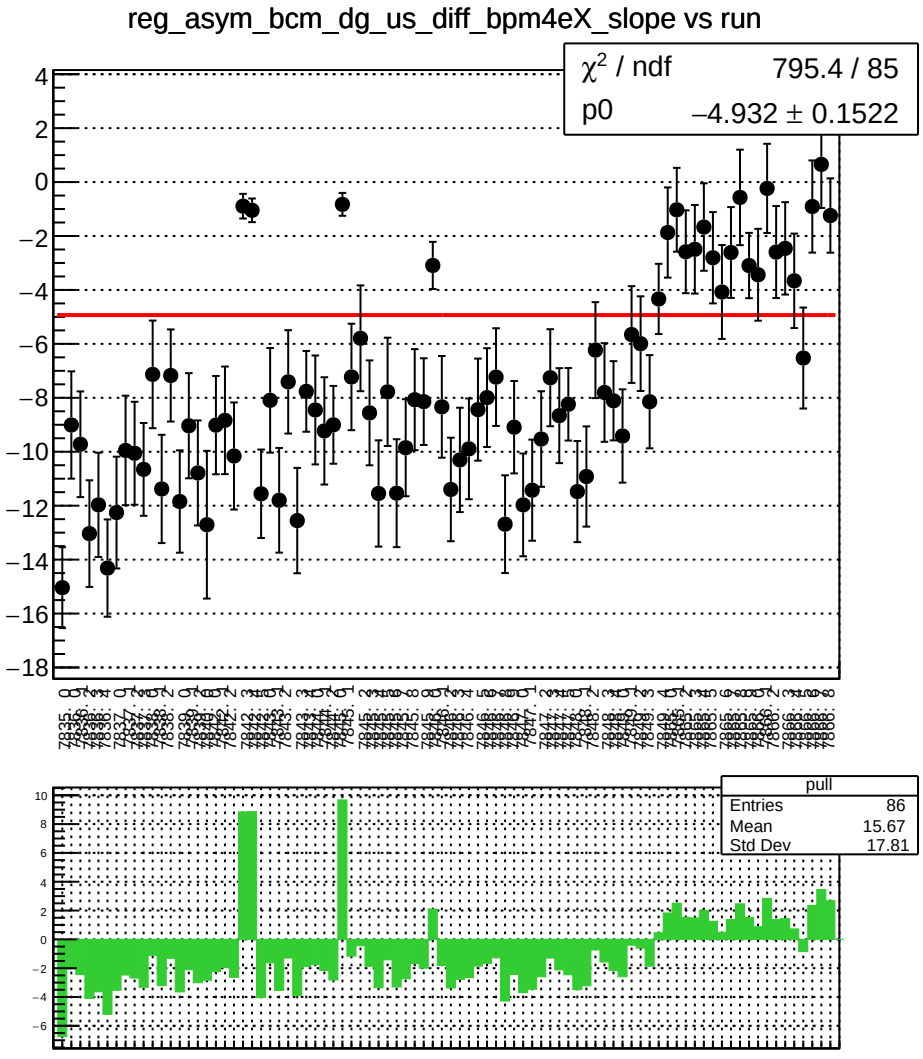

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 210 / 85
p0 0.2455 ± 0.007121
pull
Entries 86
Mean −1452
Std Dev 1498

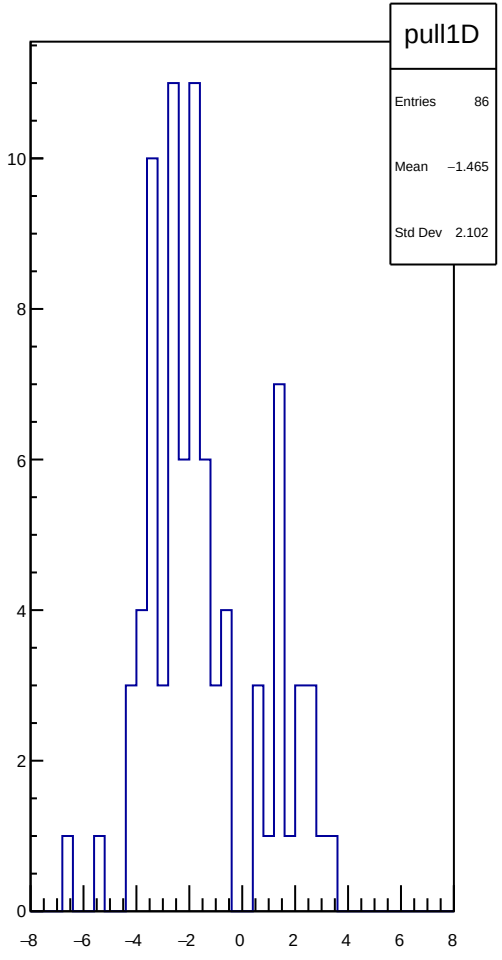

pull1D
Entries 86
Mean 0.01827
Std Dev 1.563

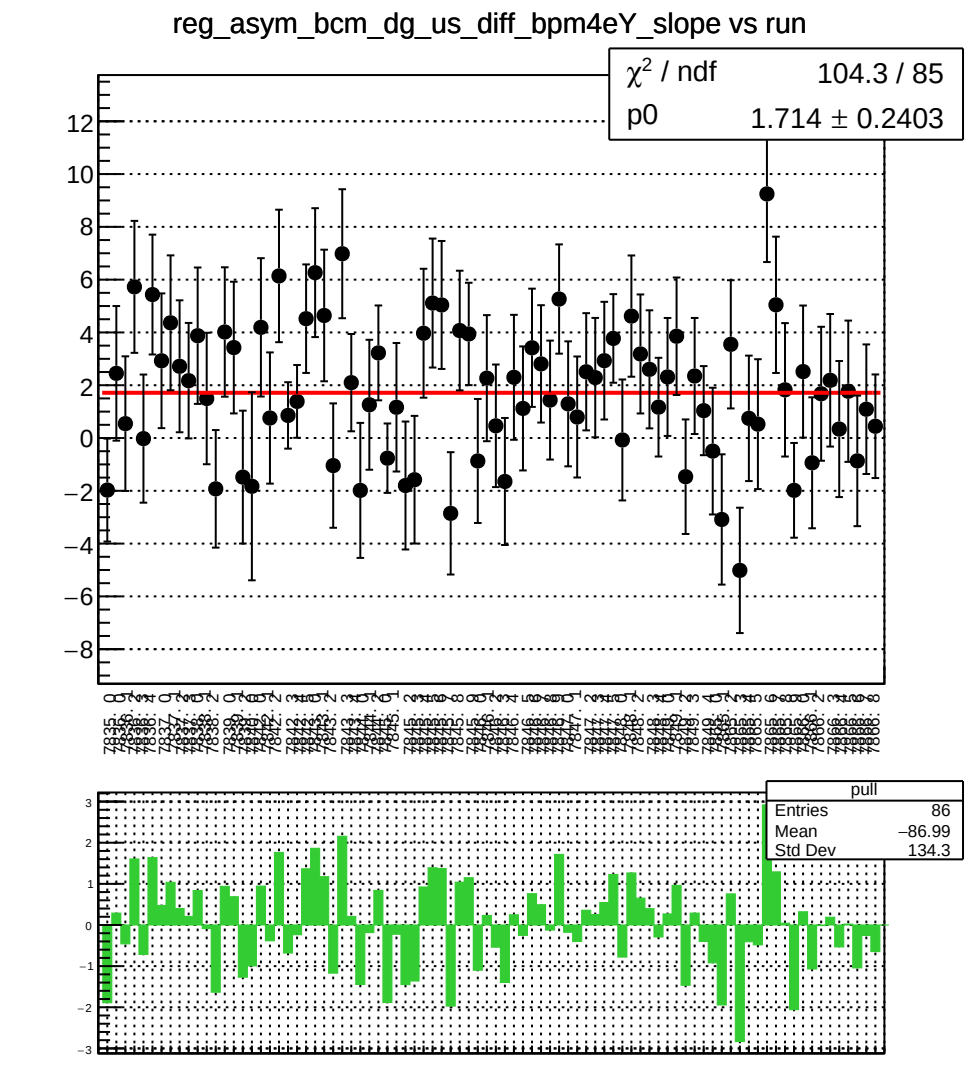

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 698.2 / 85
p0 5.99 ± 0.175
pull
Entries 86
Mean 7.859
Std Dev 28.88

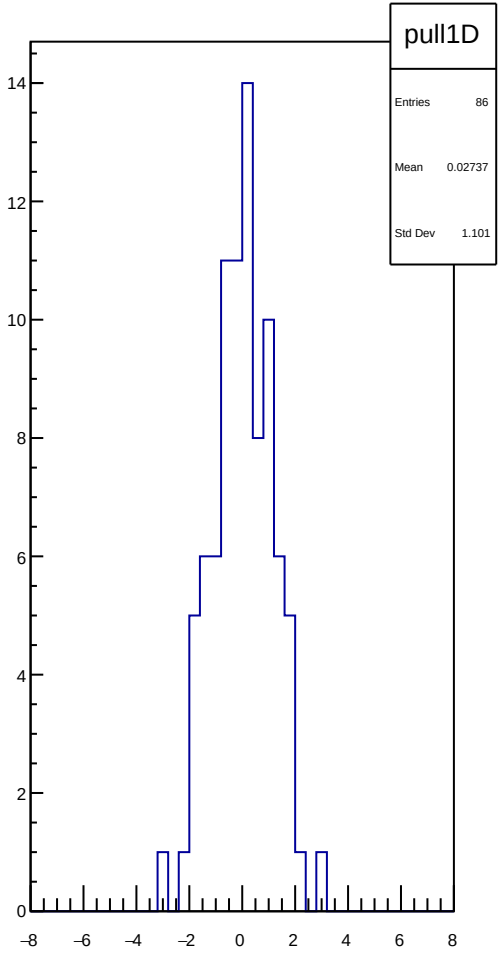

pull1D
Entries 86
Mean 1.194
Std Dev 2.065

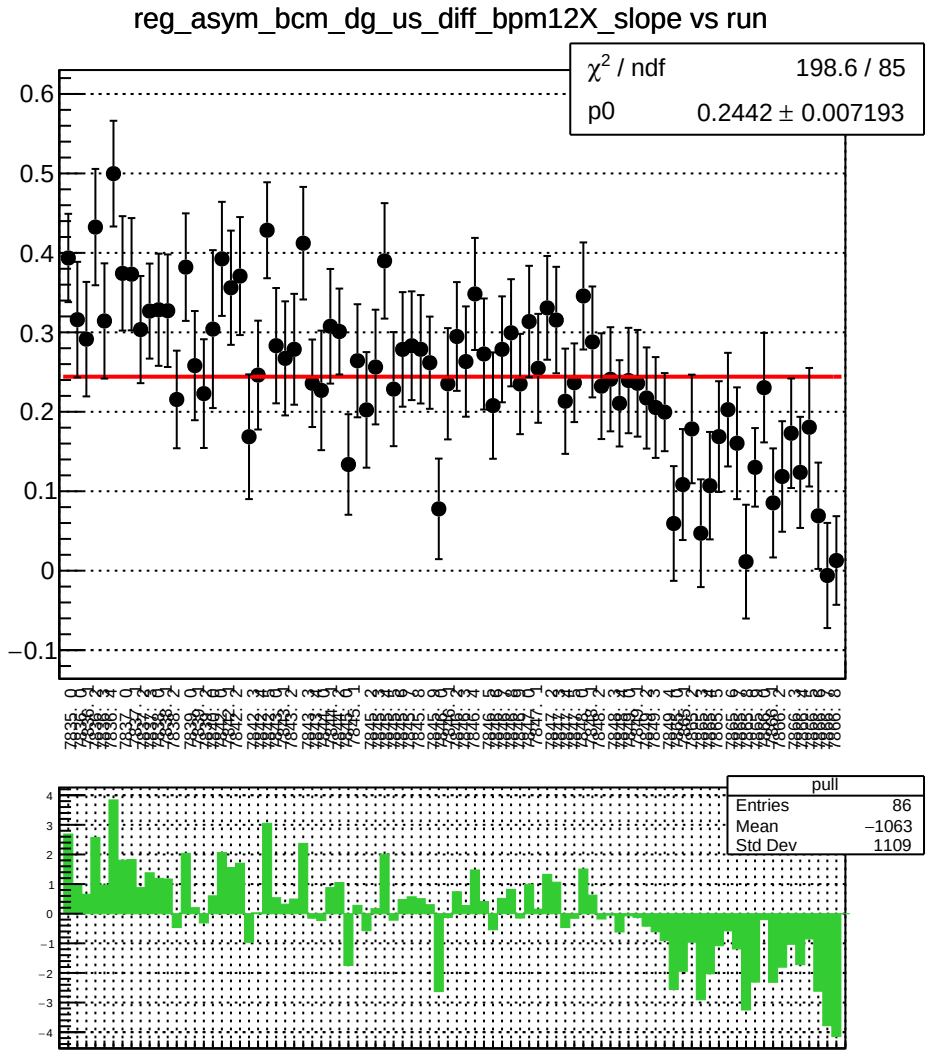

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 103.8 / 85
p0 −1.711 ± 0.2077
pull
Entries 86
Mean −51.39
Std Dev 91.93
pull1D
Entries 86
Mean −0.05111
Std Dev 1.098

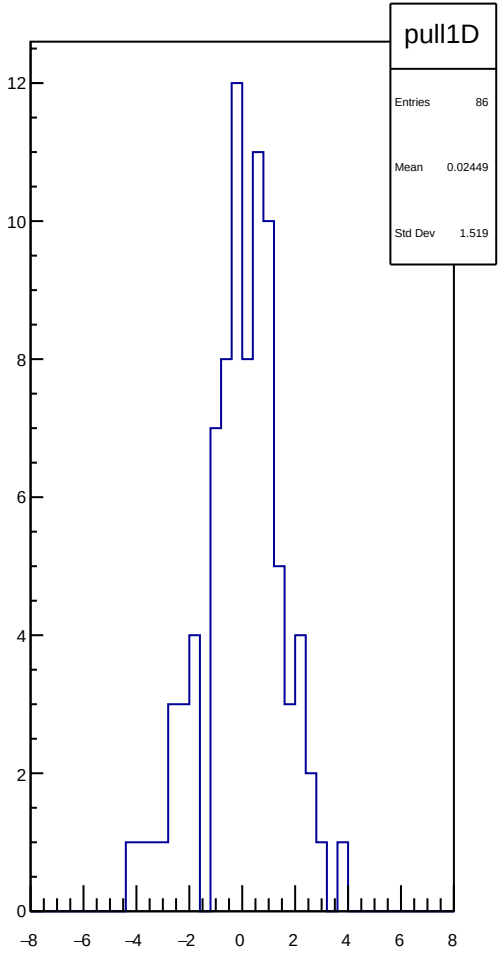

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 795.4 / 85
p0 −4.932 ± 0.1522
pull
Entries 86
Mean 15.67
Std Dev 17.81


pull1D
Entries 86
Mean −1.465
Std Dev 2.102


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 104.3 / 85
p0 1.714 ± 0.2403
pull
Entries 86
Mean −86.99
Std Dev 134.3


pull1D
Entries 86
Mean 0.02737
Std Dev 1.101


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 198.6 / 85
p0 0.2442 ± 0.007193
pull
Entries 86
Mean −1063
Std Dev 1109


pull1D
Entries 86
Mean 0.02449
Std Dev 1.519