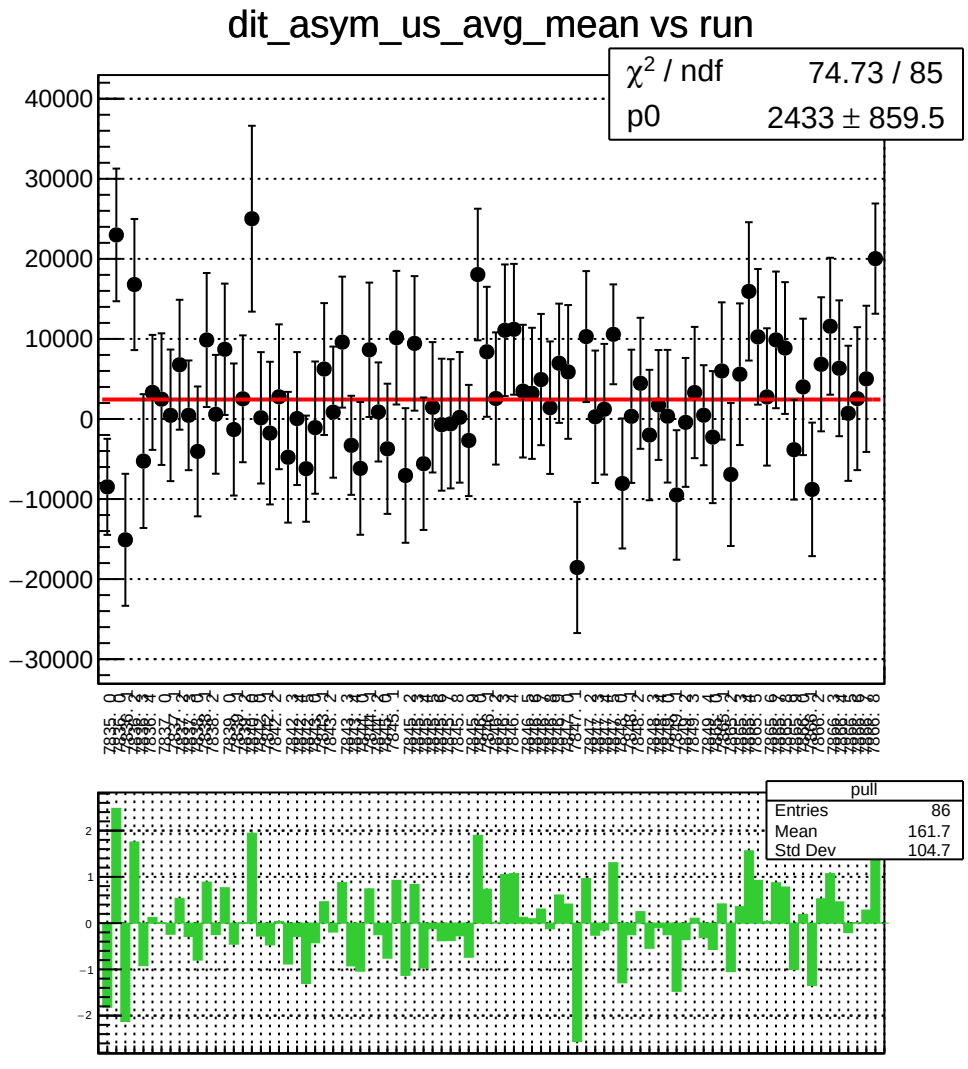
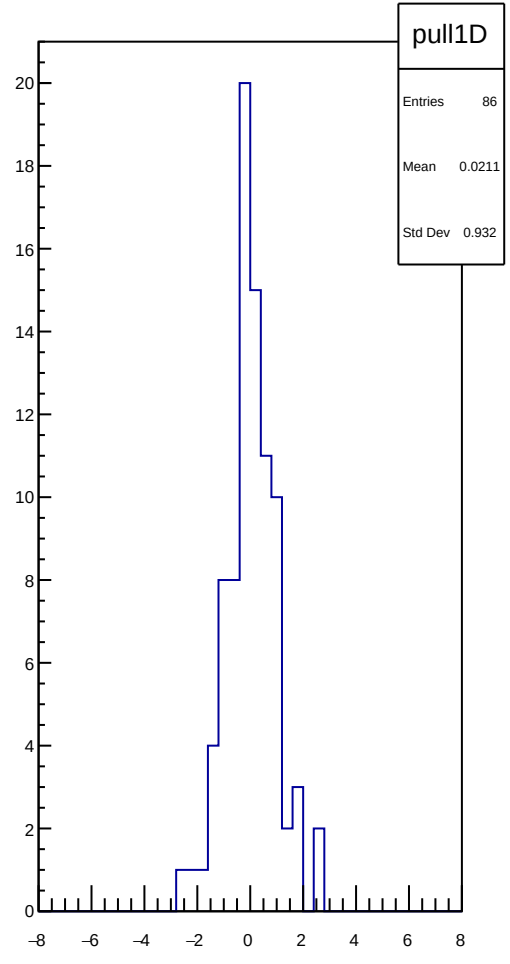
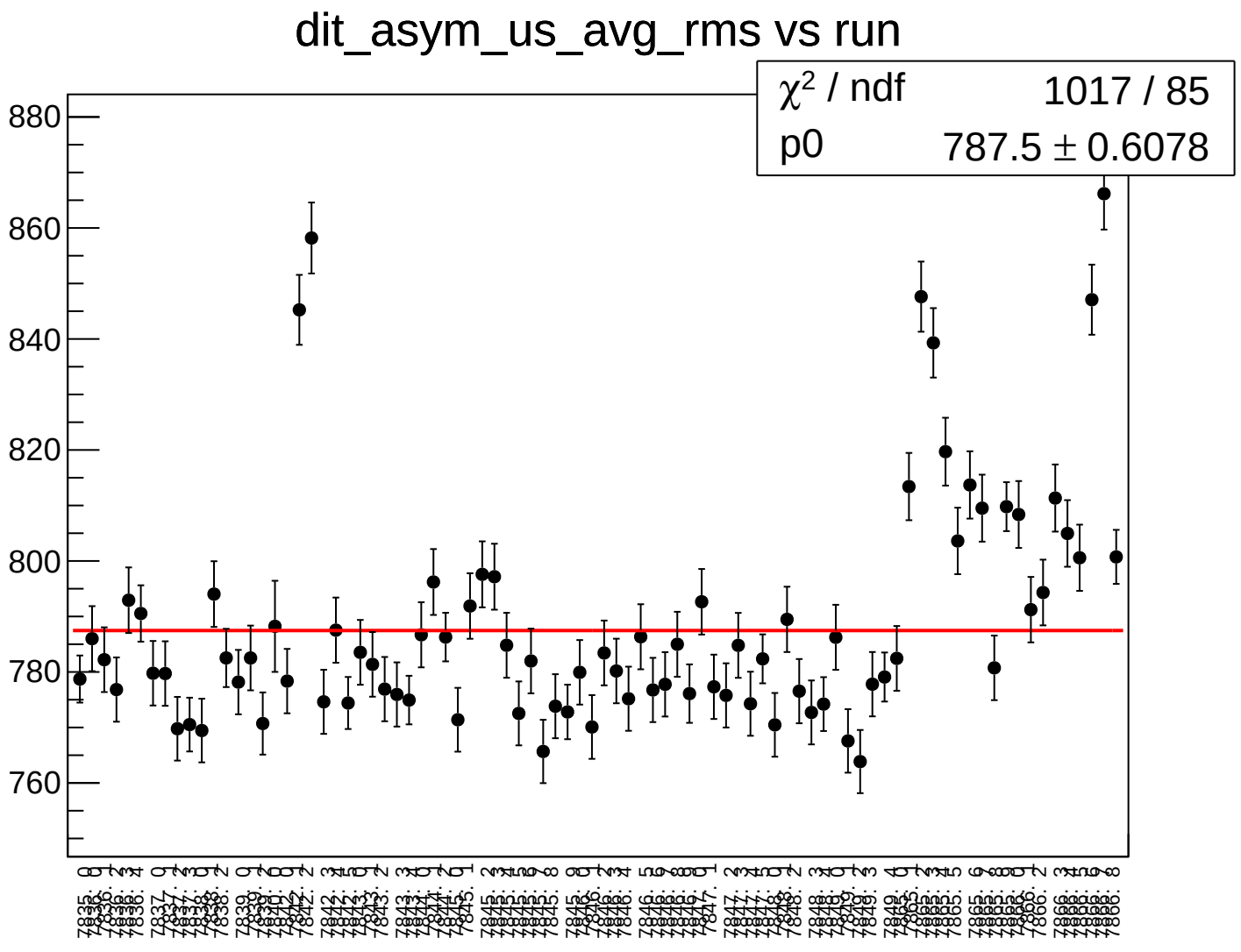
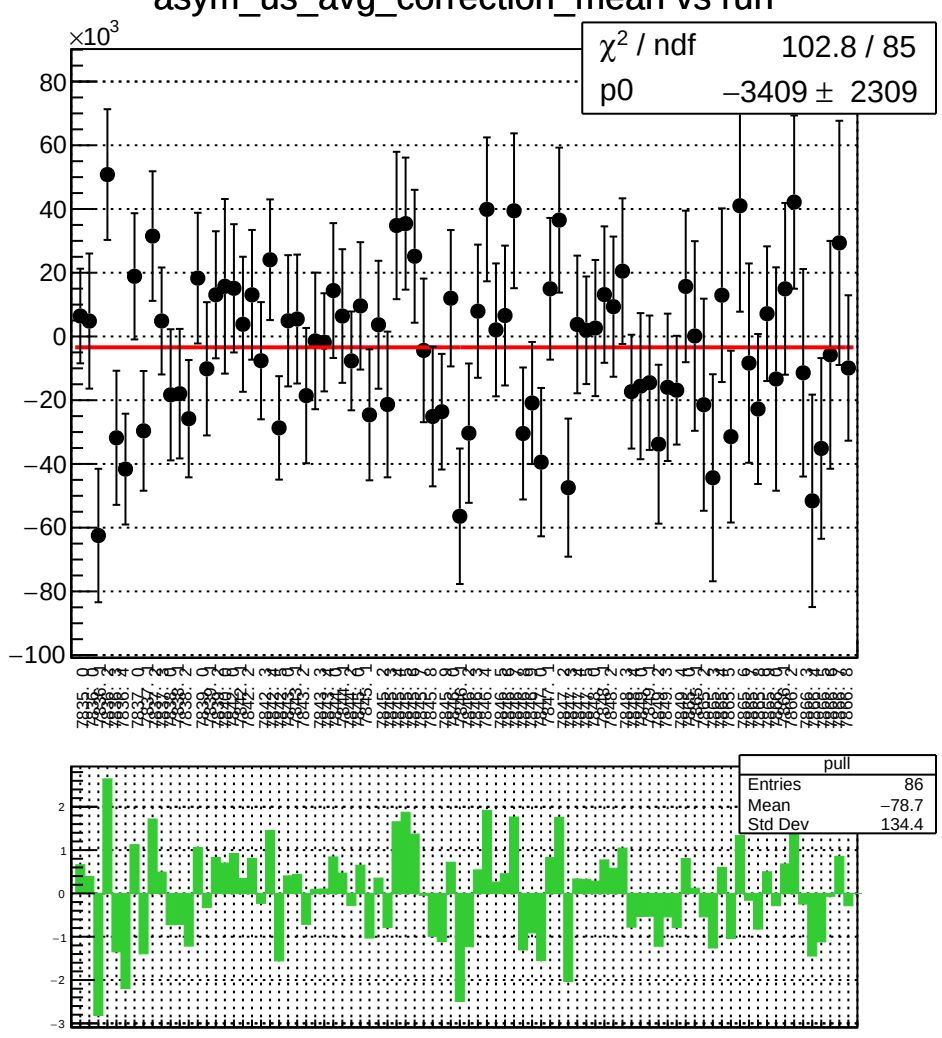
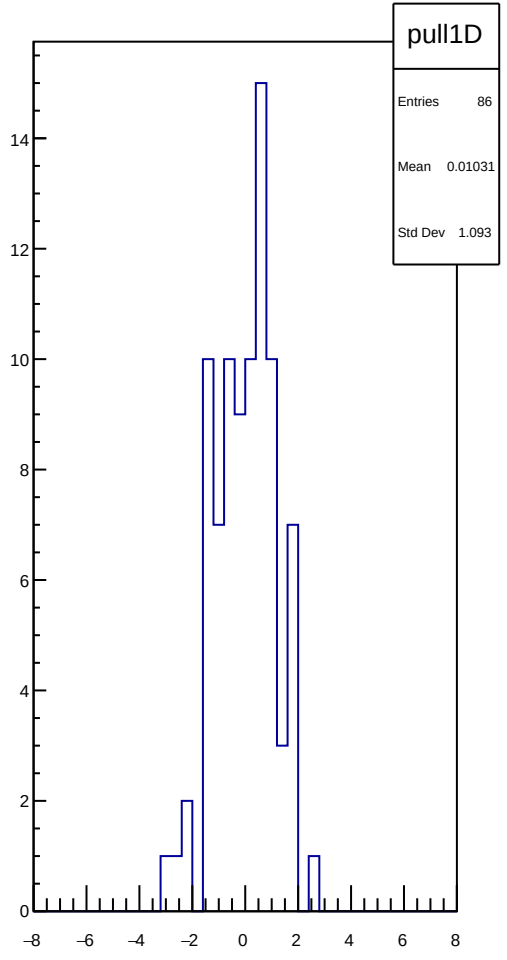
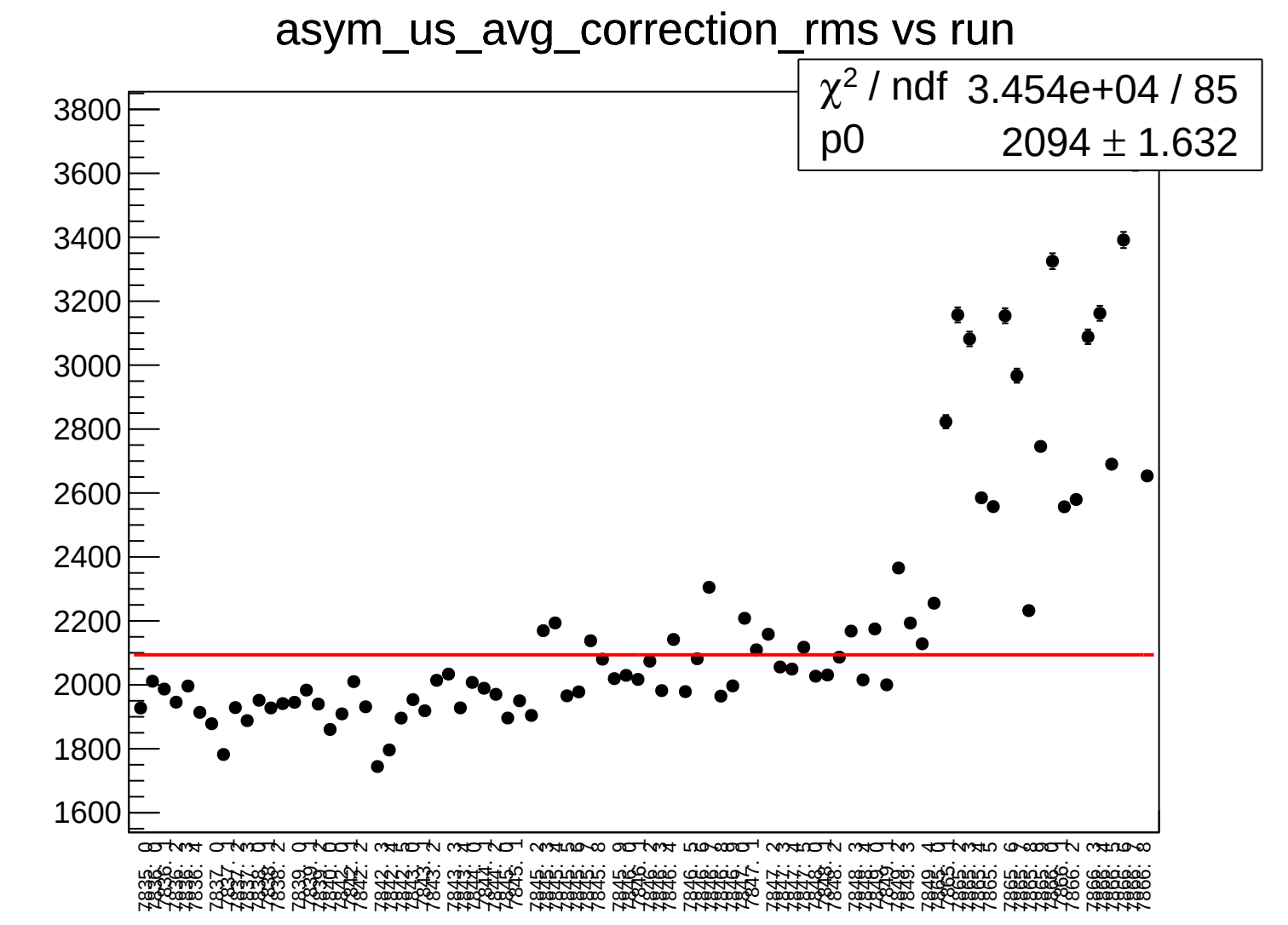

dit_asym_us_avg_mean vs run
χ² / ndf 74.73 / 85
p0 2433 ± 859.5
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 161.7
Std Dev 104.7
2
1
0
−1
−2

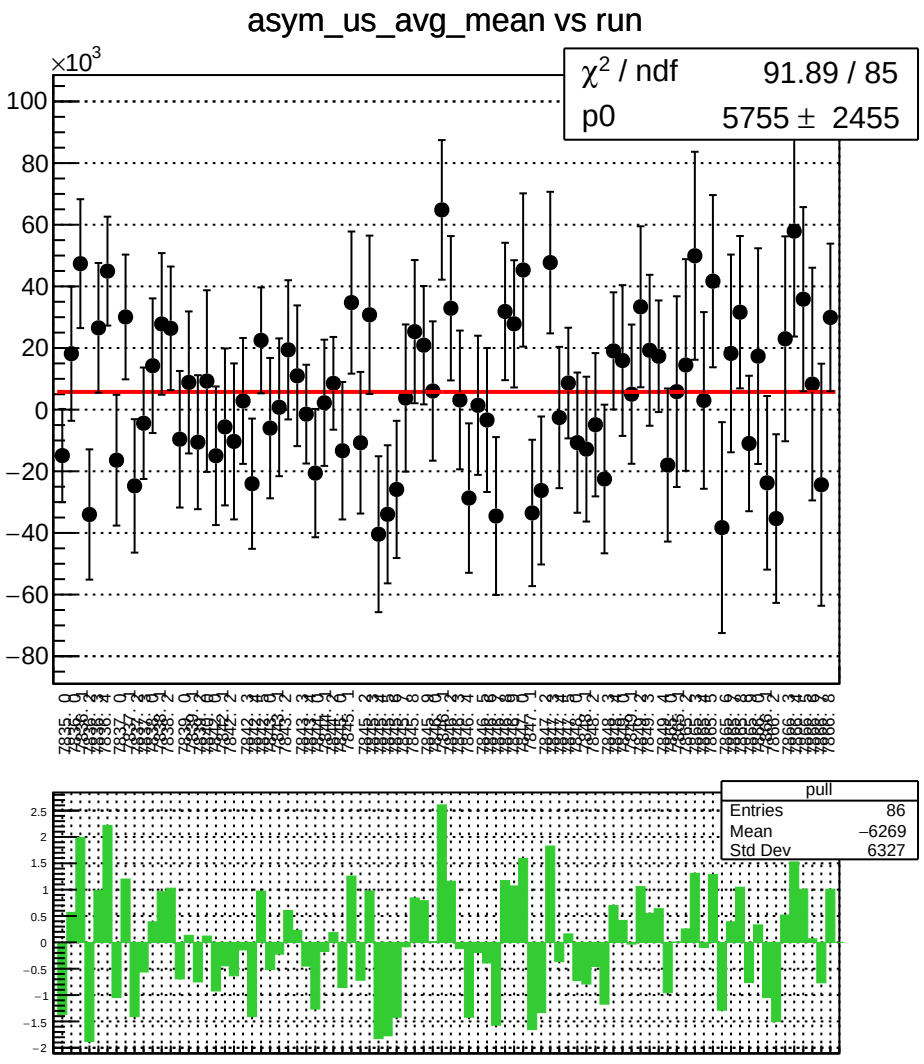

pull1D
Entries 86
Mean 0.0211
Std Dev 0.932
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

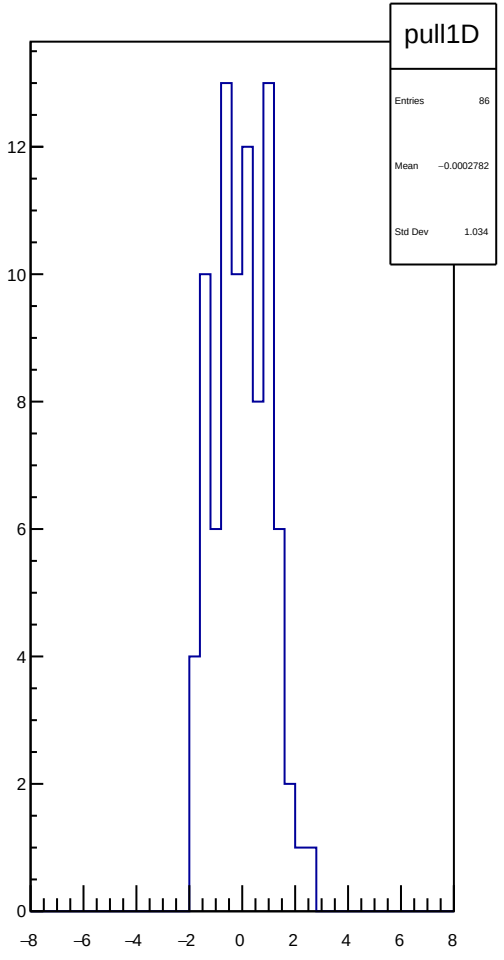

dit_asym_us_avg_rms vs run
χ² / ndf 1017 / 85
p0 787.5 ± 0.6078
880
860
840
820
800
780
760

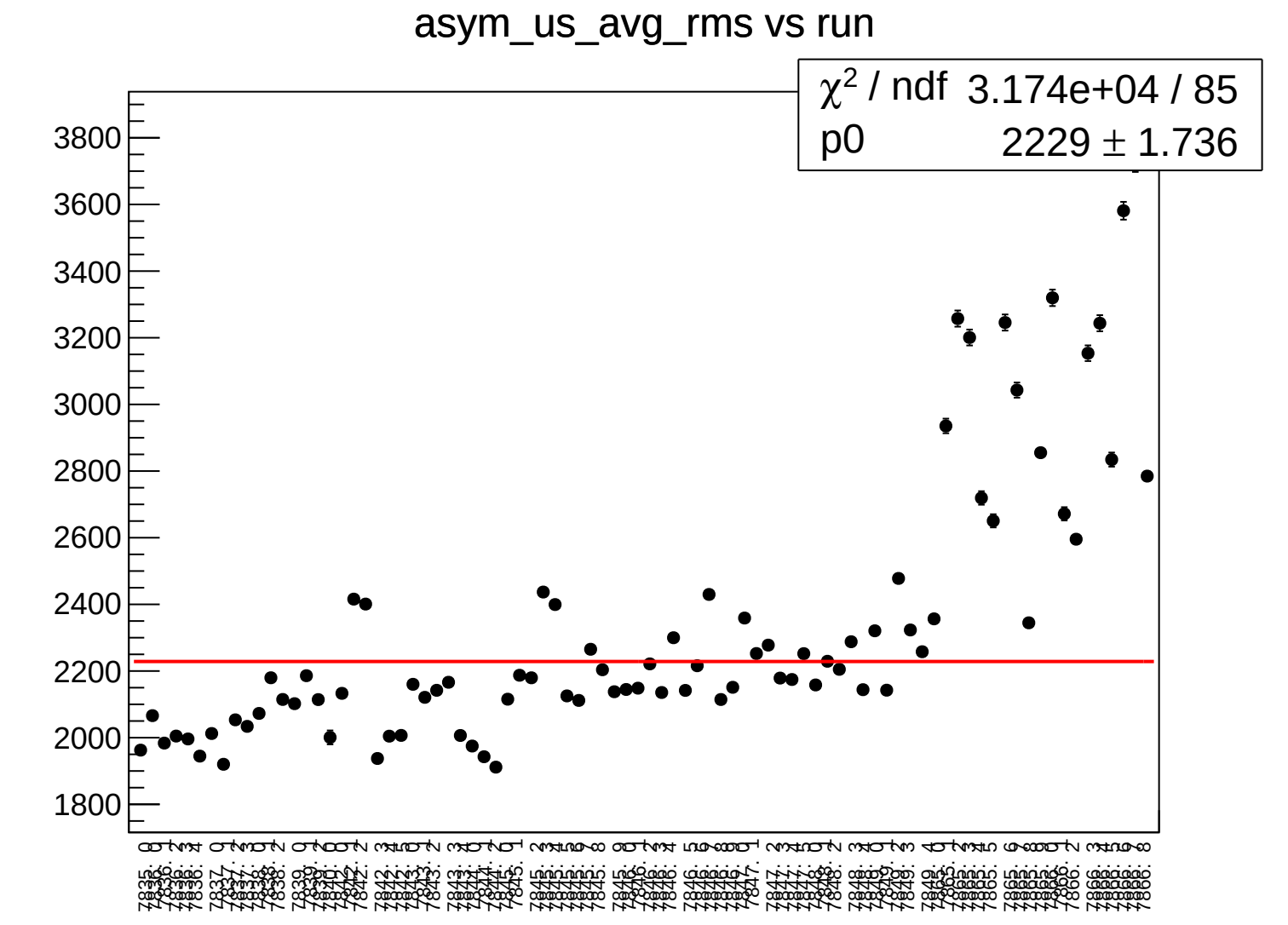

asym_us_avg_correction_mean vs run
×10^3
χ² / ndf 102.8 / 85
p0 −3409 ± 2309
pull
Entries 86
Mean −78.7
Std Dev 134.4

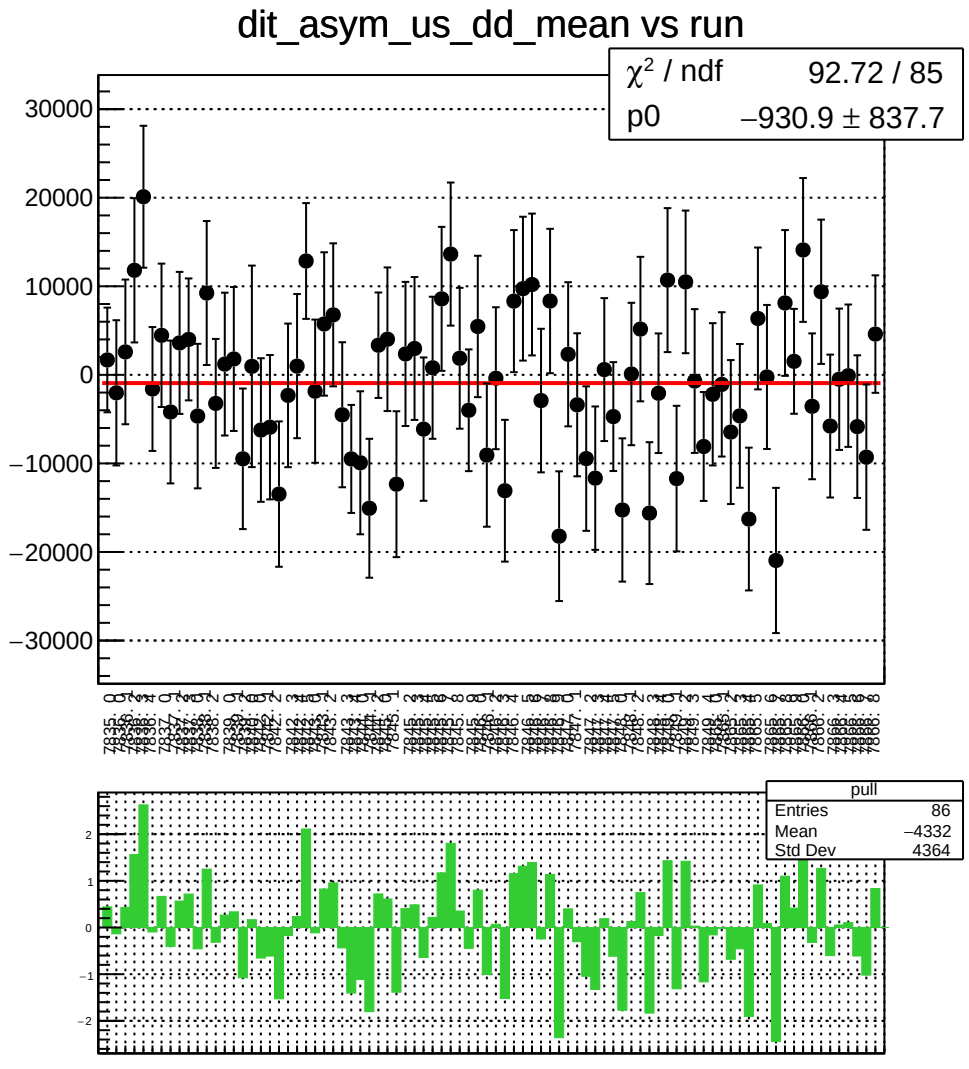

pull1D
Entries 86
Mean 0.01031
Std Dev 1.093

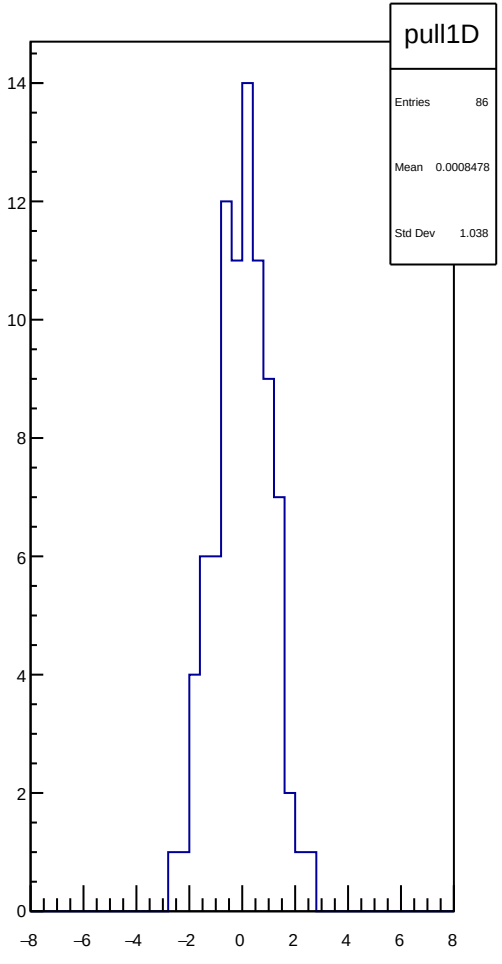

asym_us_avg_correction_rms vs run
χ² / ndf 3.454e+04 / 85
p0 2094 ± 1.632
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600

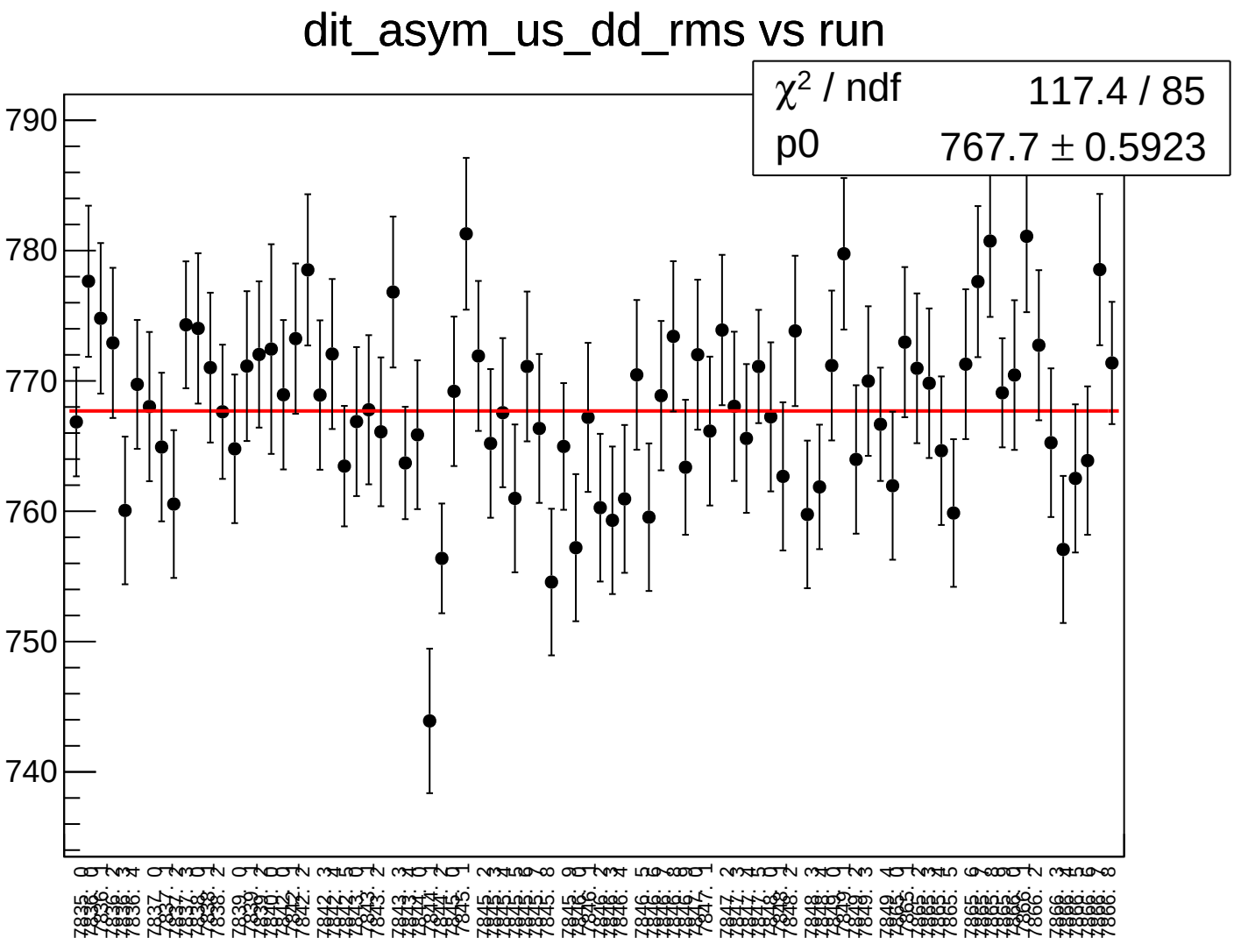

asym_us_avg_mean vs run
×10^3
χ^2 / ndf 91.89 / 85
p0 5755 ± 2455
pull
Entries 86
Mean −6269
Std Dev 6327

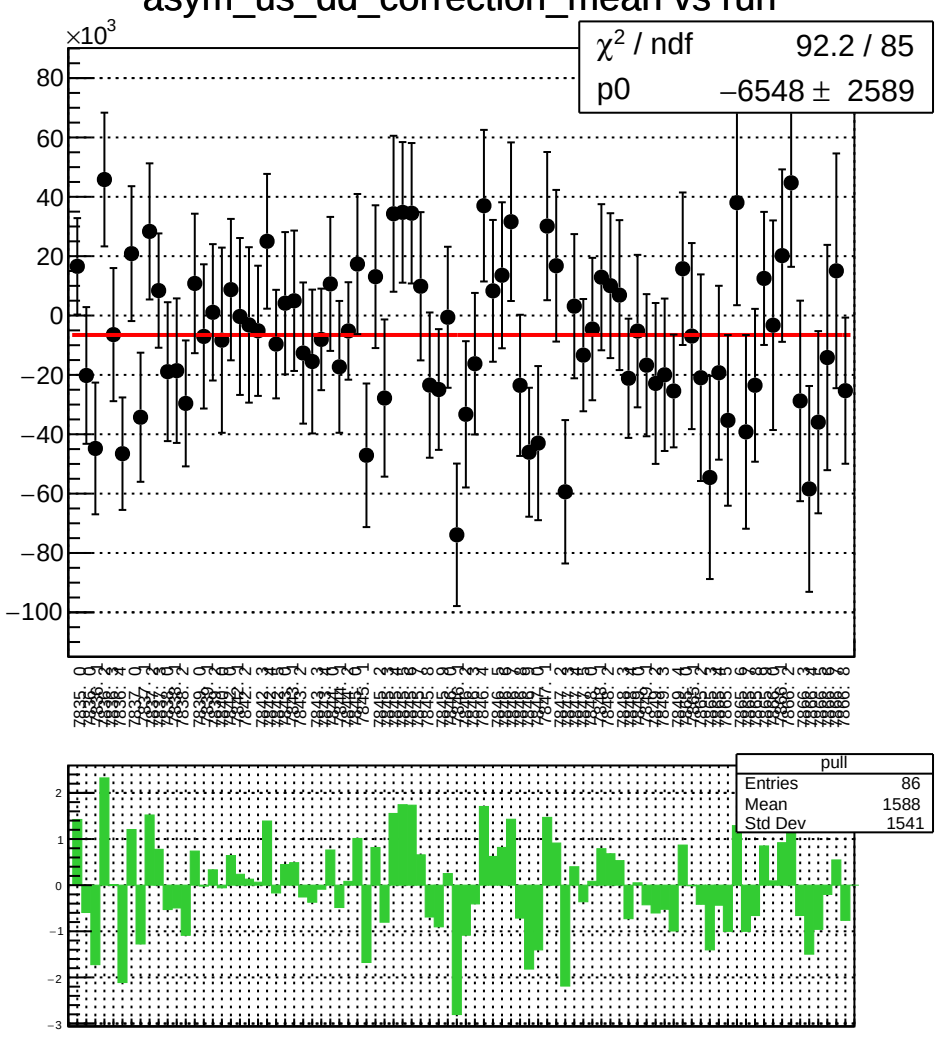

pull1D
Entries 86
Mean −0.0002782
Std Dev 1.034

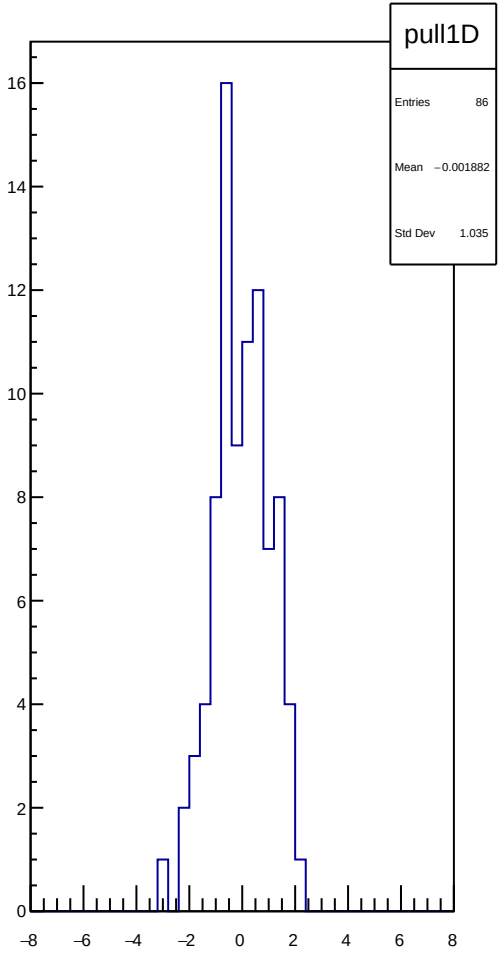

asym_us_avg_rms vs run
χ^2 / ndf 3.174e+04 / 85
p0 2229 ± 1.736
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

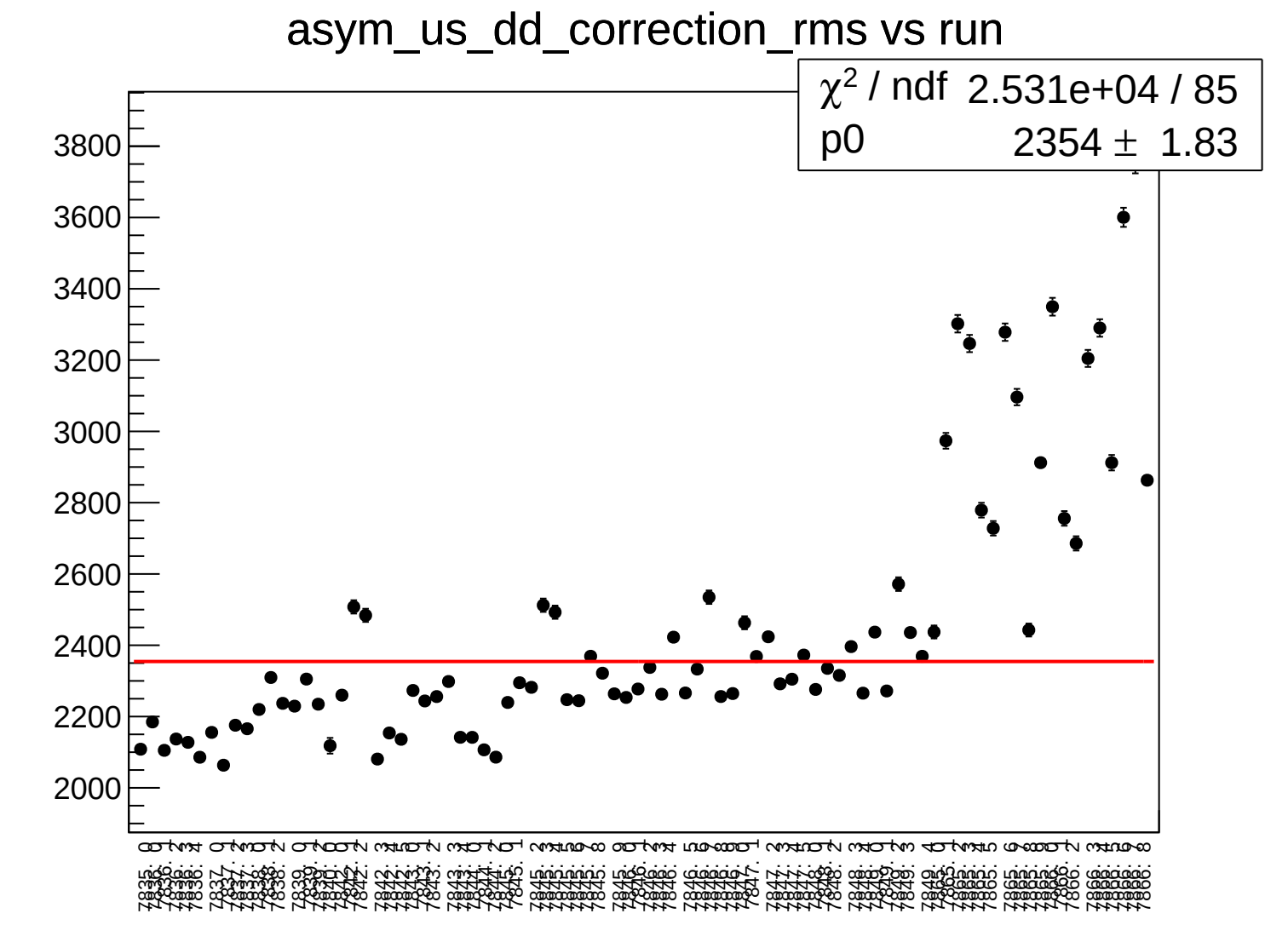

dit_asym_us_dd_mean vs run
χ² / ndf 92.72 / 85
p0 −930.9 ± 837.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −4332
Std Dev 4364
2
1
0
−1
−2

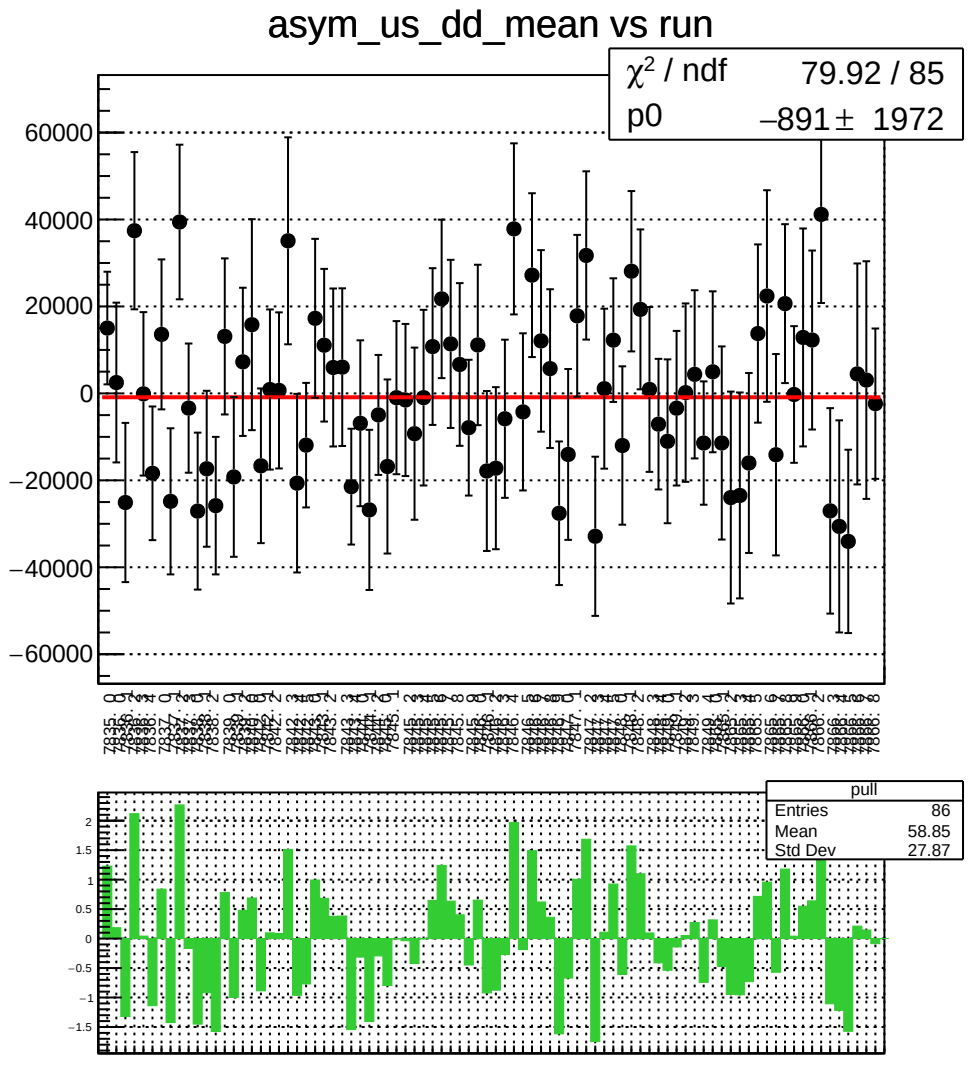

pull1D
Entries 86
Mean 0.0008478
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

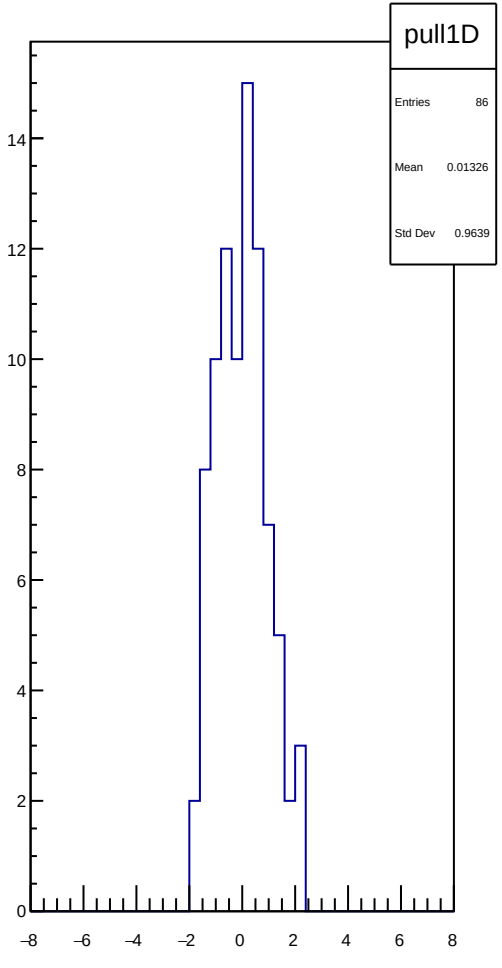

dit_asym_us_dd_rms vs run
χ^2 / ndf 117.4 / 85
p0 767.7 ± 0.5923
790
780
770
760
750
740

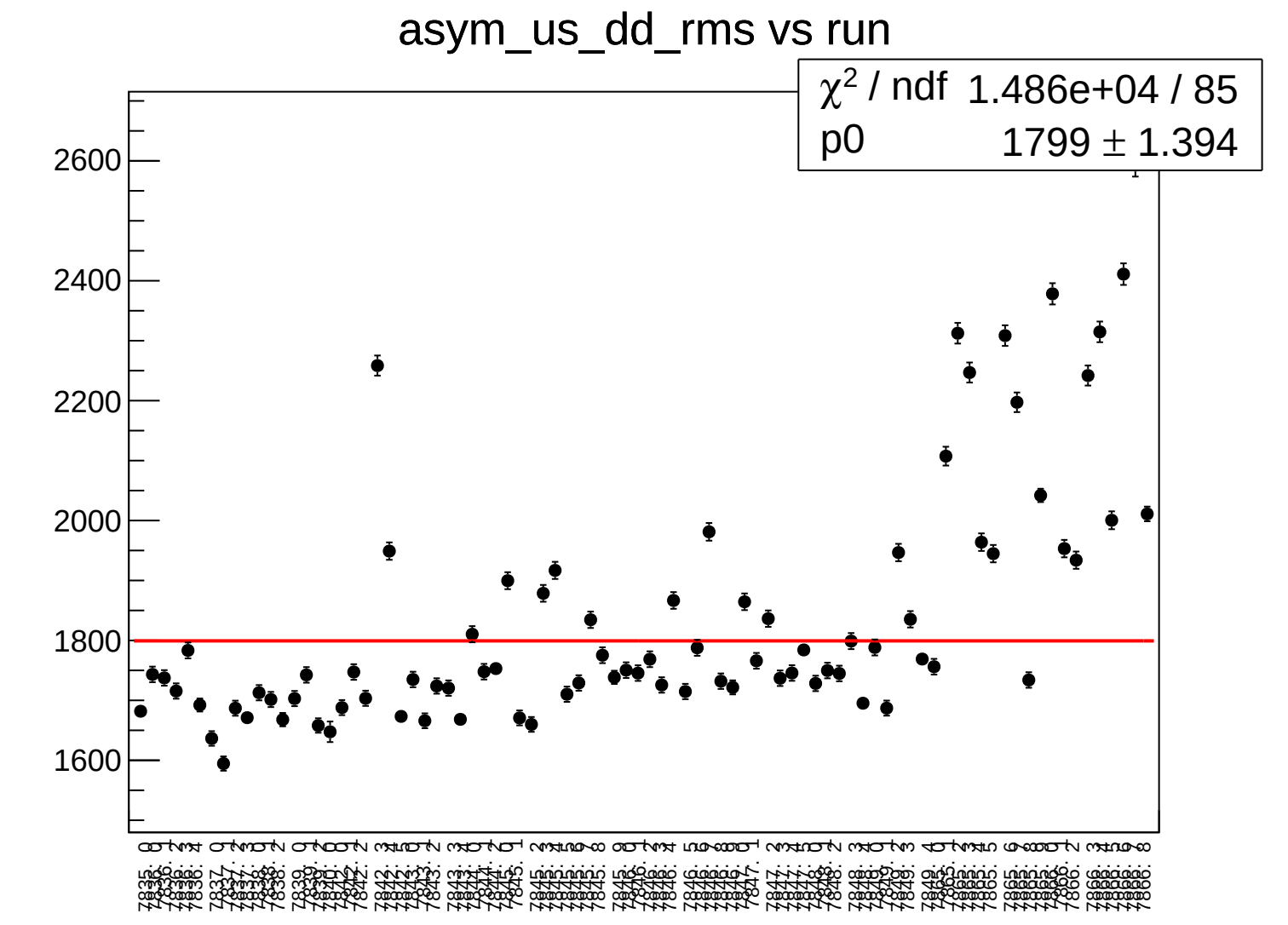

asym_us_dd_correction_mean vs run
×10^3
χ² / ndf 92.2 / 85
p0 −6548 ± 2589
pull
Entries 86
Mean 1588
Std Dev 1541

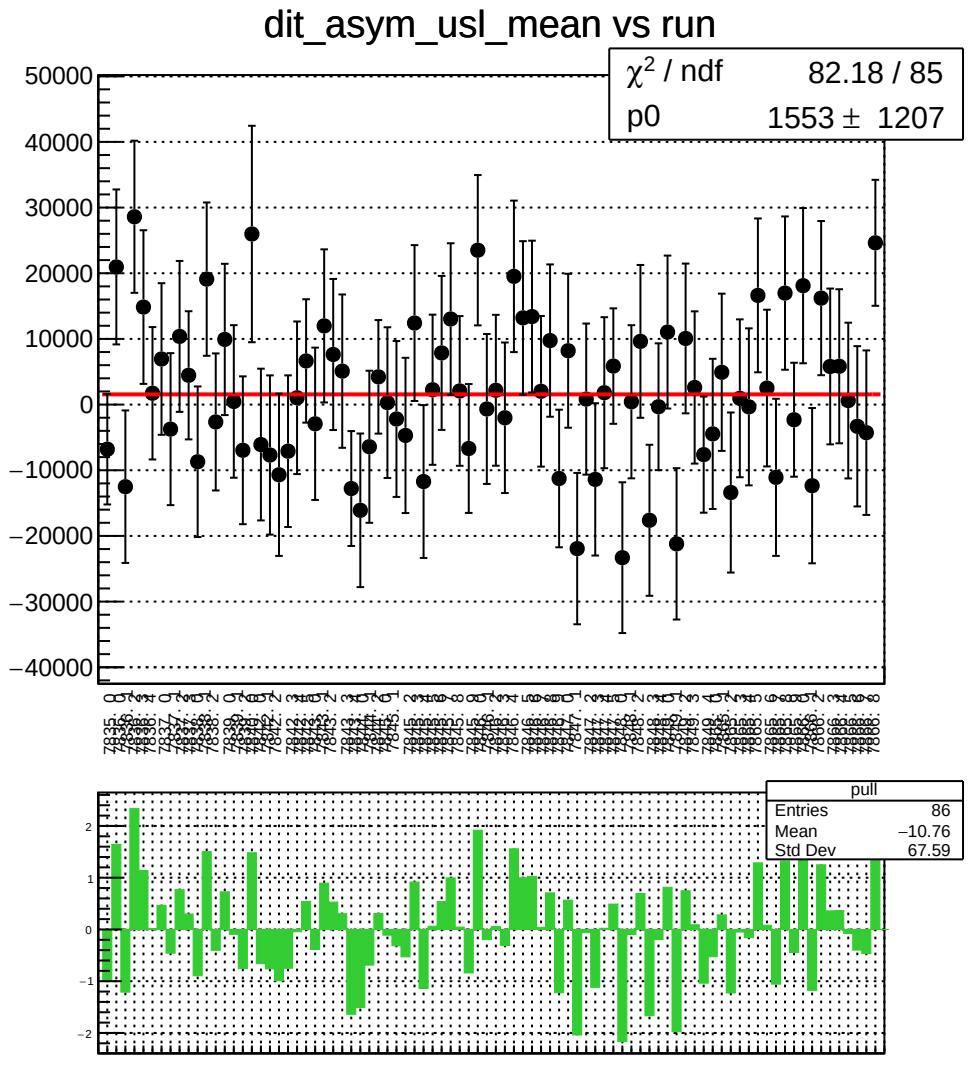

pull1D
Entries 86
Mean −0.001882
Std Dev 1.035

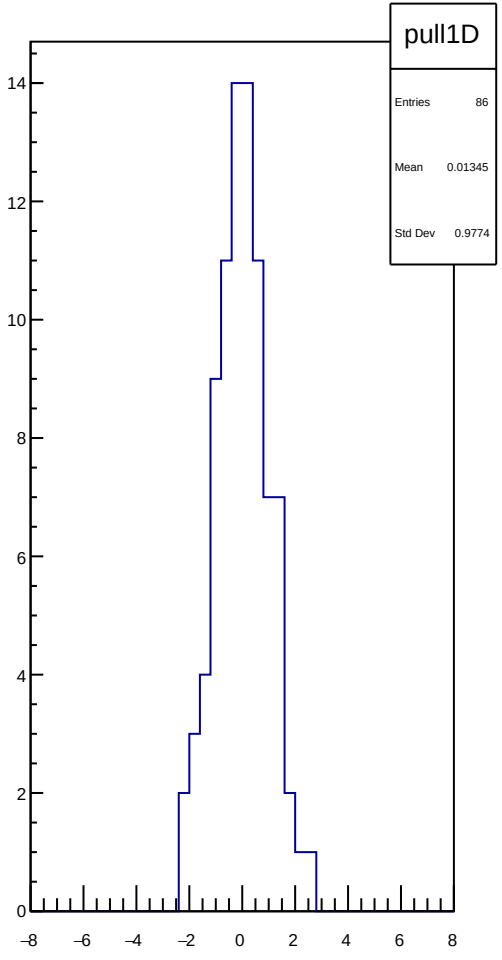

asym_us_dd_correction_rms vs run
χ² / ndf 2.531e+04 / 85
p0 2354 ± 1.83
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

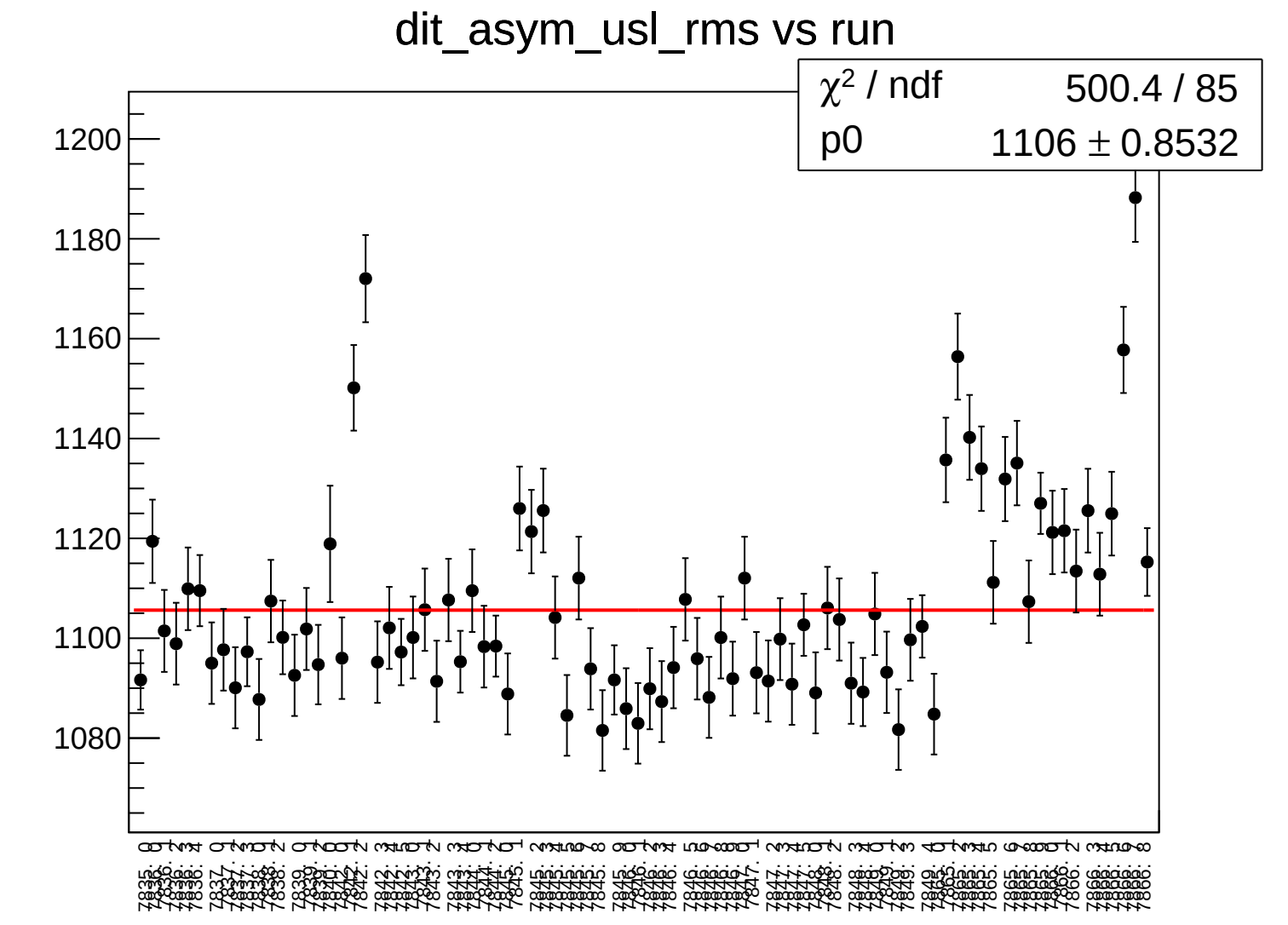

asym_us_dd_mean vs run
χ² / ndf 79.92 / 85
p0 −891 ± 1972
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 58.85
Std Dev 27.87
2
1.5
1
0.5
0
−0.5
−1
−1.5

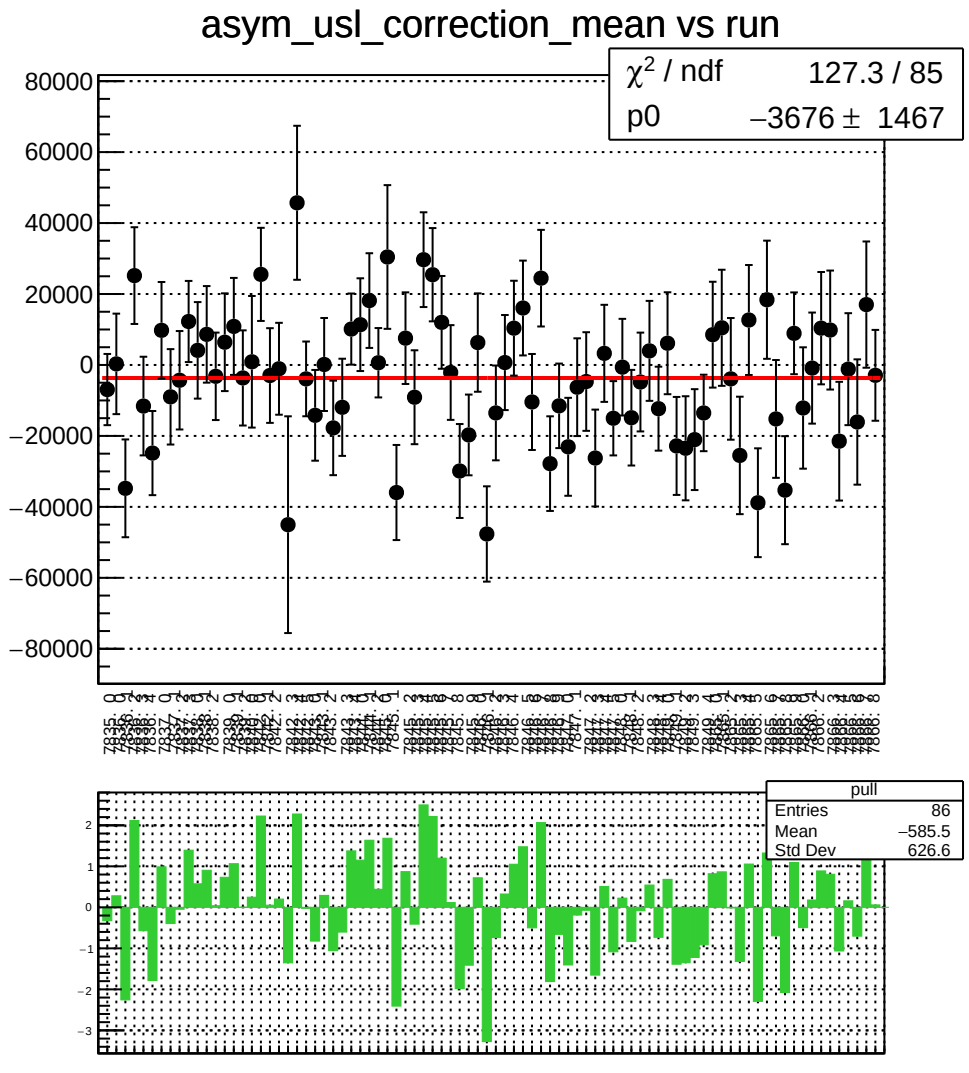

pull1D
Entries 86
Mean 0.01326
Std Dev 0.9639
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

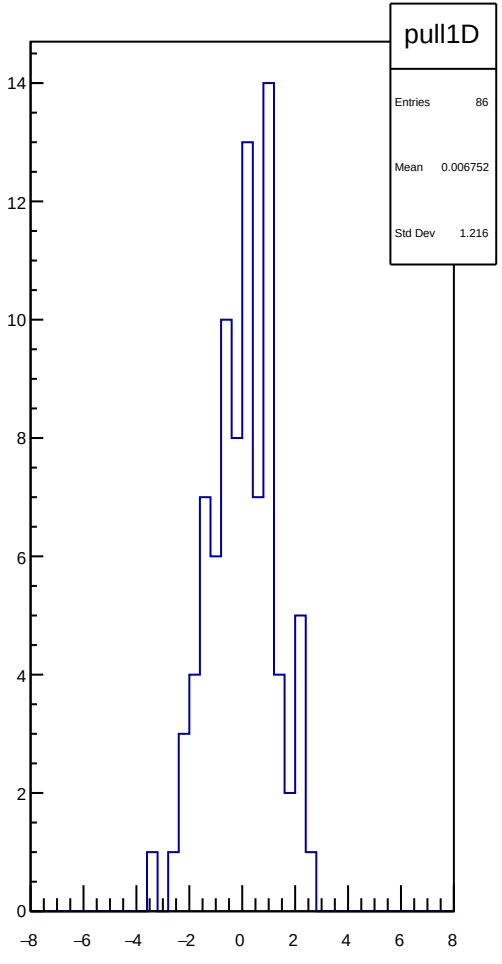

asym_us_dd_rms vs run
χ^2 / ndf 1.486e+04 / 85
p0 1799 ± 1.394
2600
2400
2200
2000
1800
1600

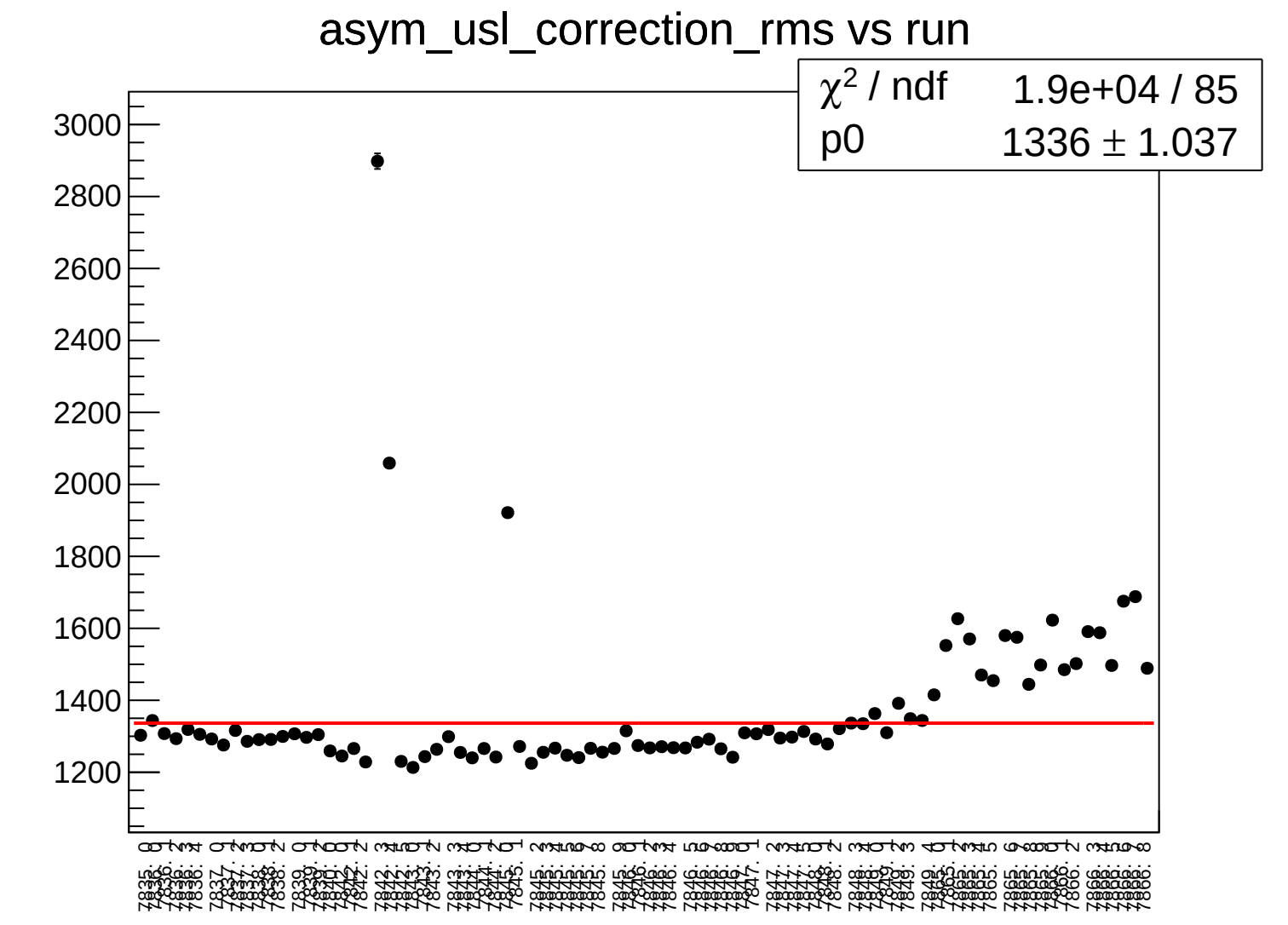

dit_asym_usl_mean vs run
χ² / ndf 82.18 / 85
p0 1553 ± 1207
pull
Entries 86
Mean −10.76
Std Dev 67.59

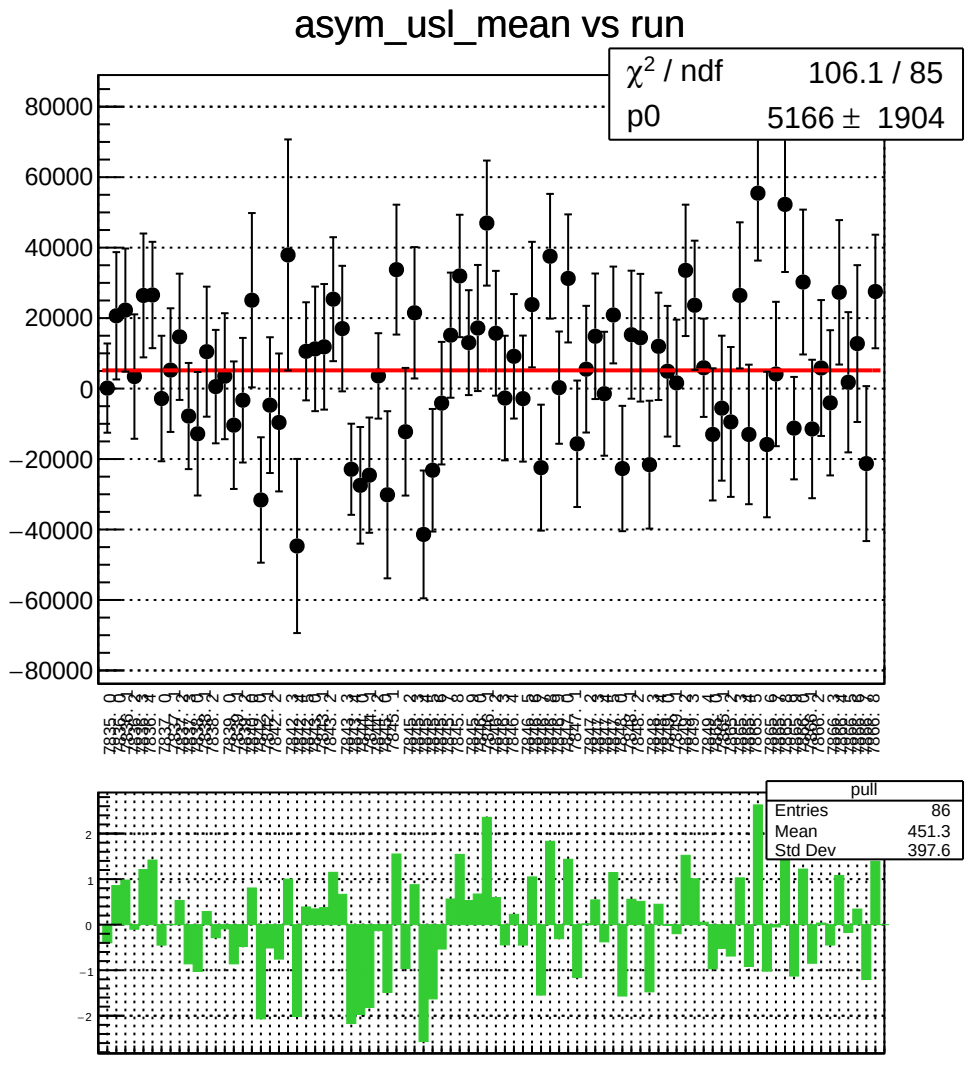

pull1D
Entries 86
Mean 0.01345
Std Dev 0.9774

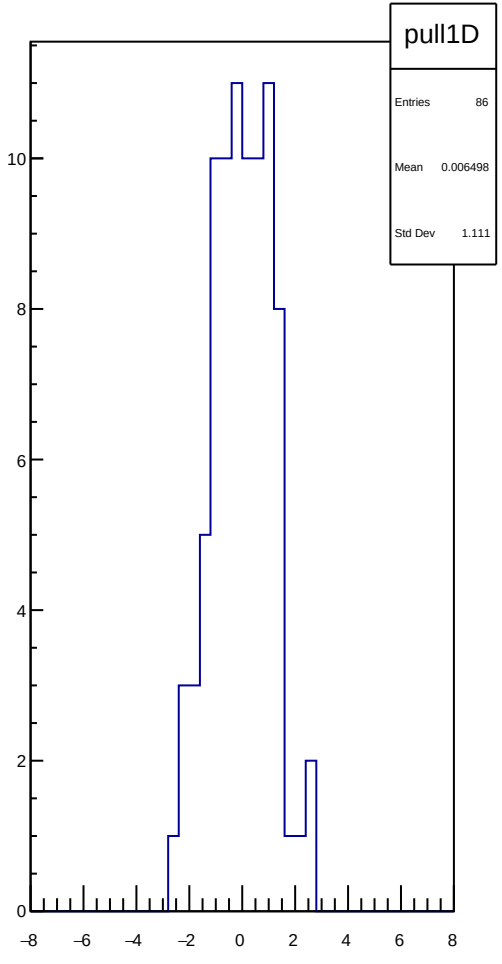

dit_asym_usl_rms vs run
χ² / ndf 500.4 / 85
p0 1106 ± 0.8532
1200
1180
1160
1140
1120
1100
1080

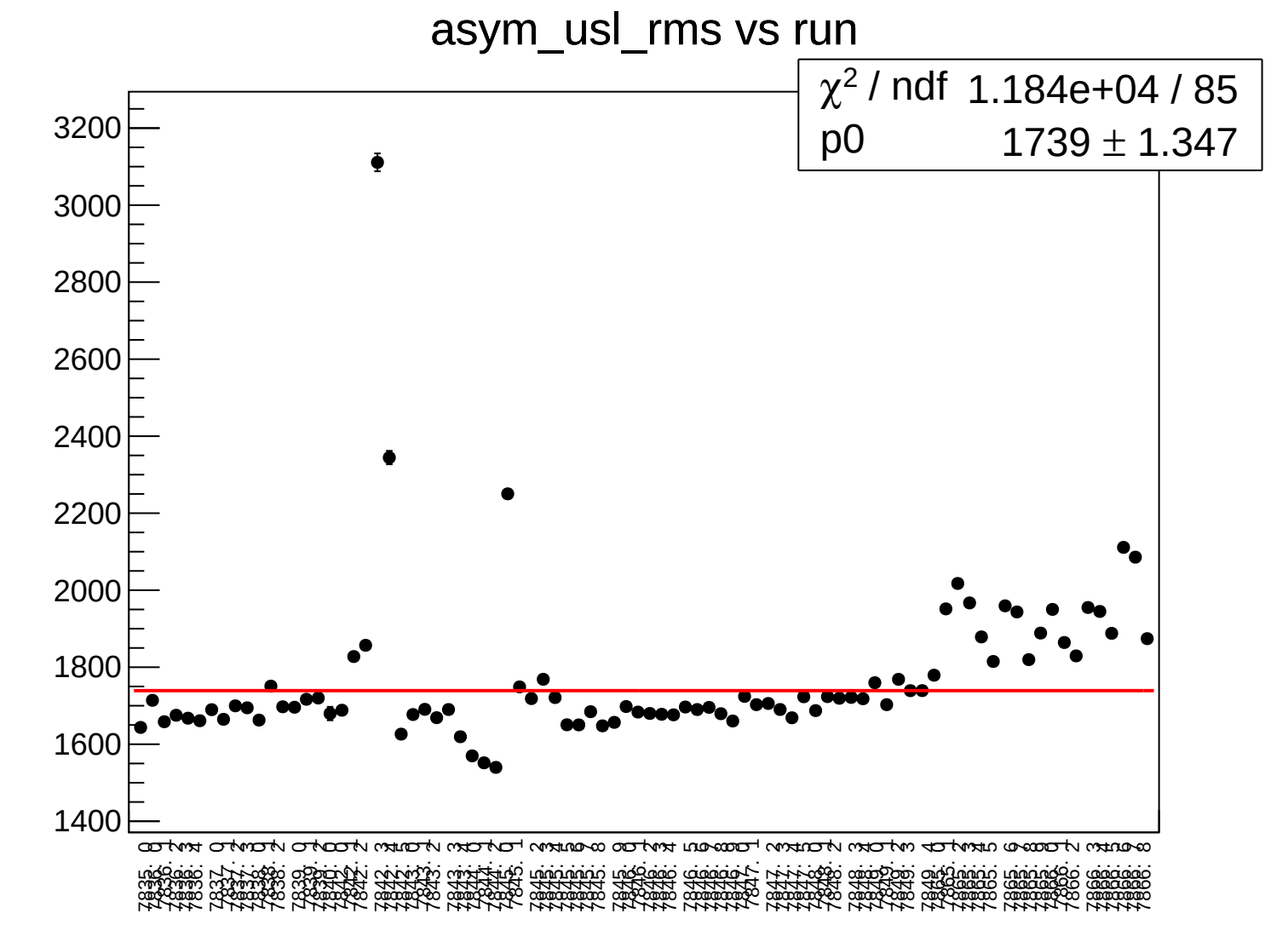

asym_usl_correction_mean vs run
χ² / ndf 127.3 / 85
p0 −3676 ± 1467
pull
Entries 86
Mean −585.5
Std Dev 626.6

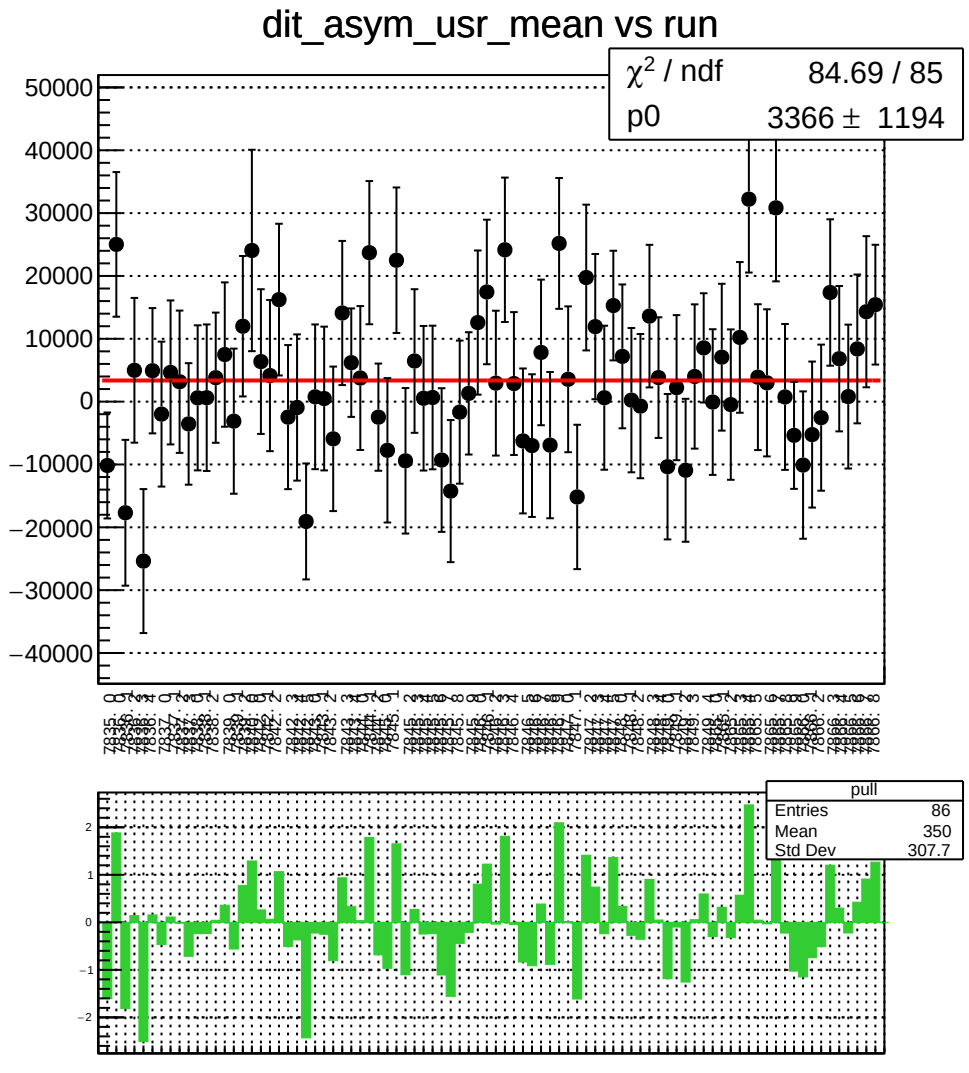

pull1D
Entries 86
Mean 0.006752
Std Dev 1.216

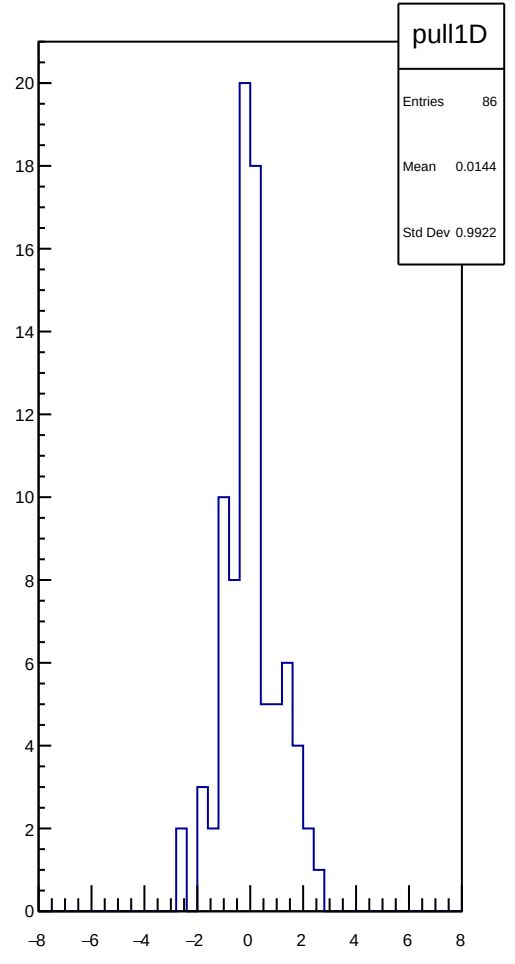

asym_usl_correction_rms vs run
χ² / ndf 1.9e+04 / 85
p0 1336 ± 1.037
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

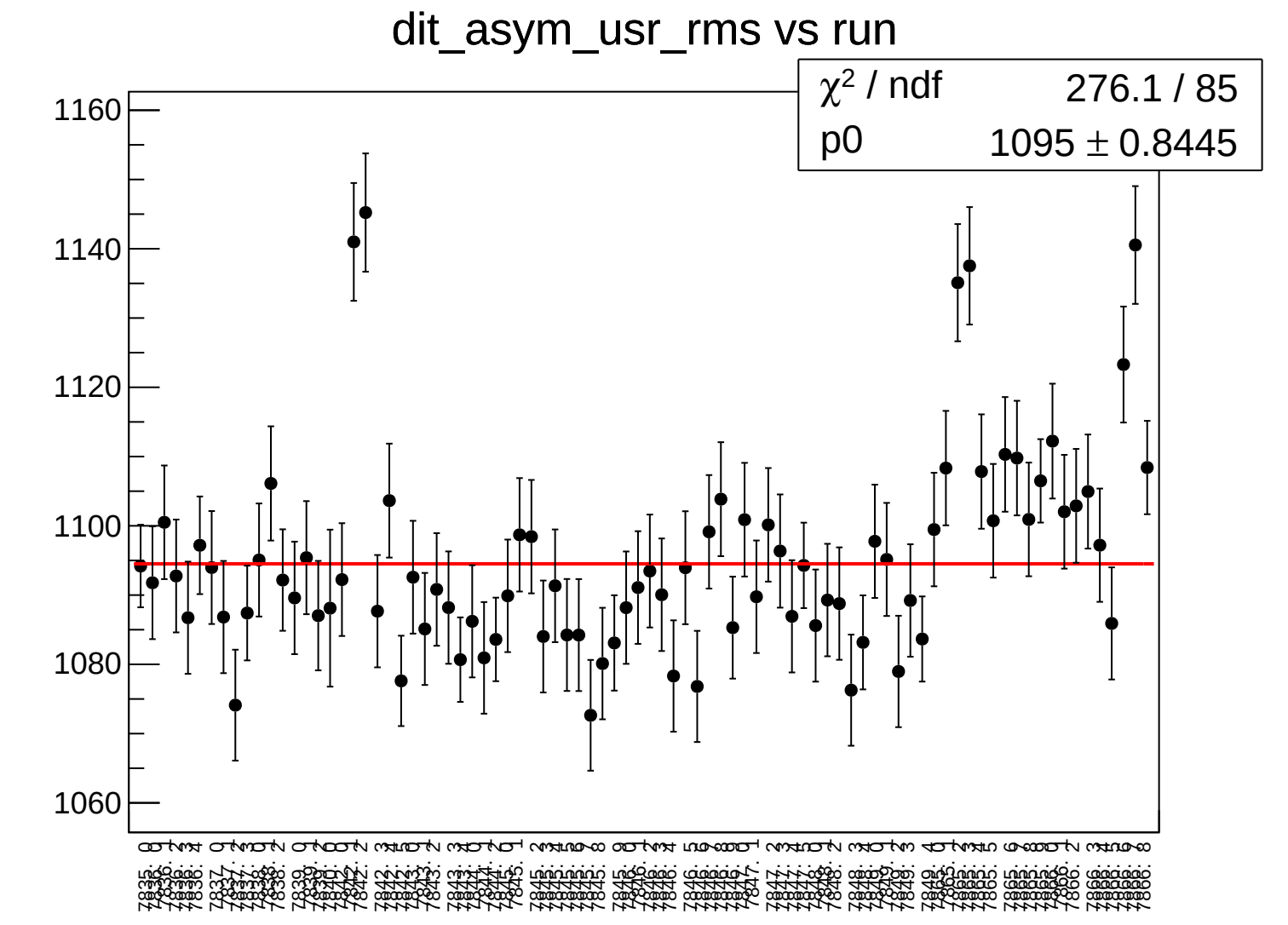

asym_usl_mean vs run
χ² / ndf 106.1 / 85
p0 5166 ± 1904
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean 451.3
Std Dev 397.6
2
1
0
−1
−2

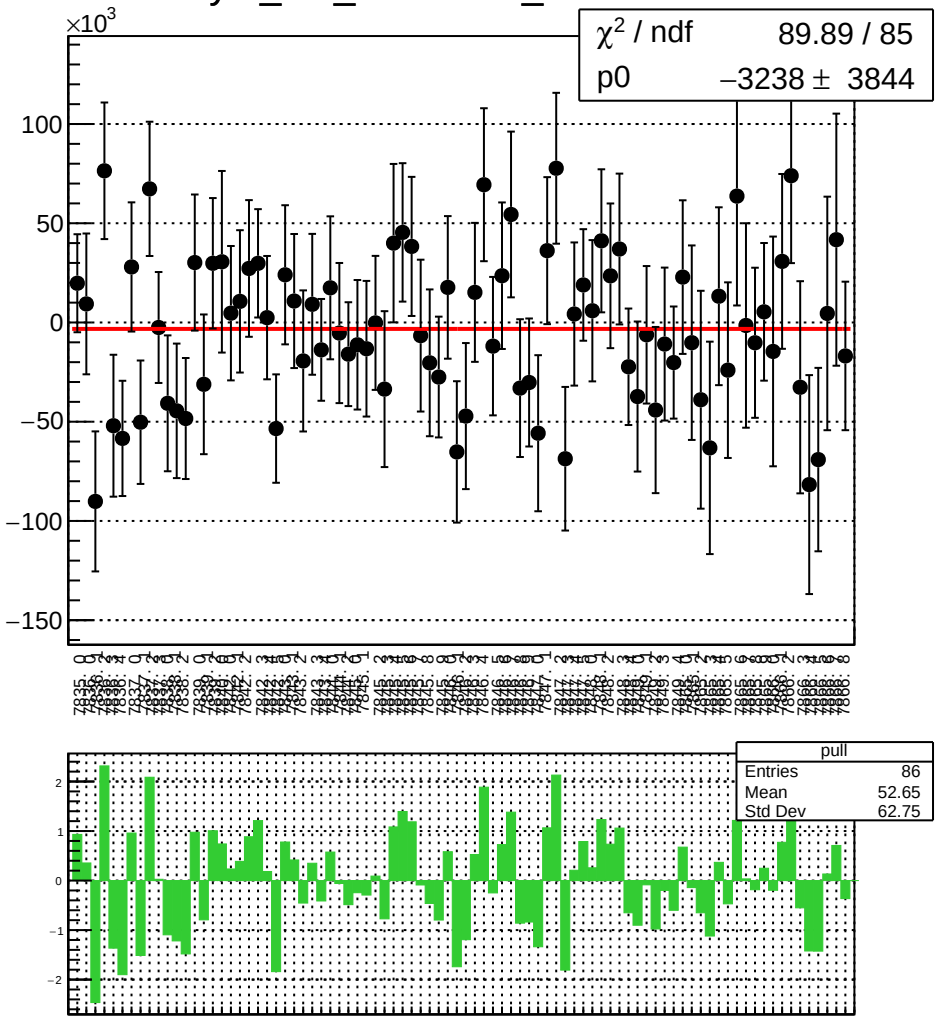

pull1D
Entries 86
Mean 0.006498
Std Dev 1.111
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

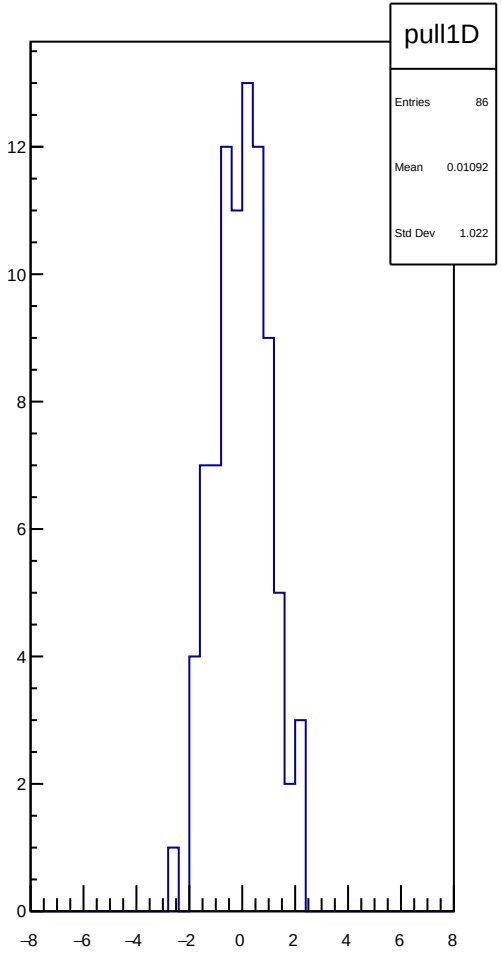

asym_usl_rms vs run
χ² / ndf 1.184e+04 / 85
p0 1739 ± 1.347
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400

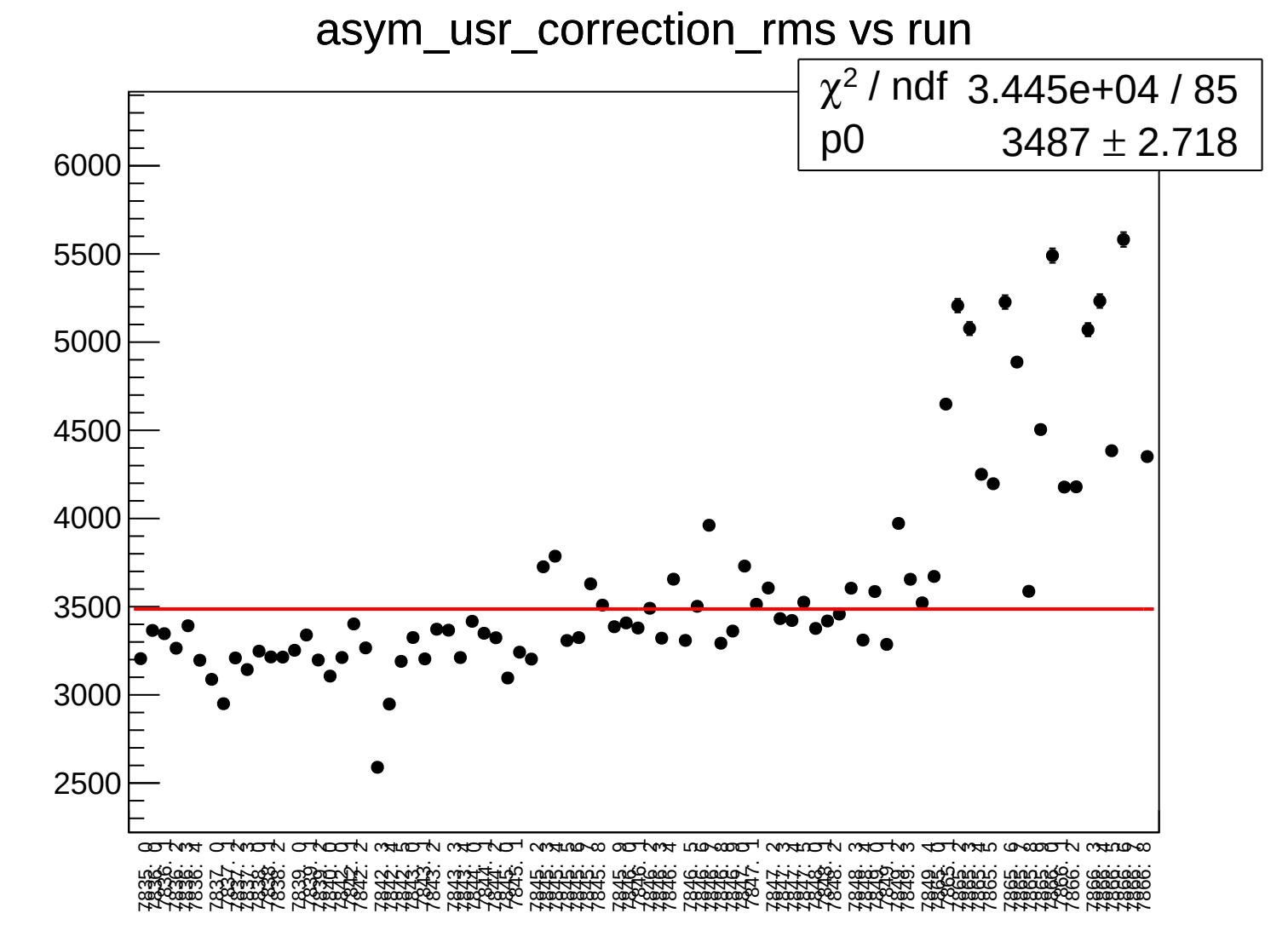

dit_asym_usr_mean vs run
χ² / ndf 84.69 / 85
p0 3366 ± 1194
pull
Entries 86
Mean 350
Std Dev 307.7

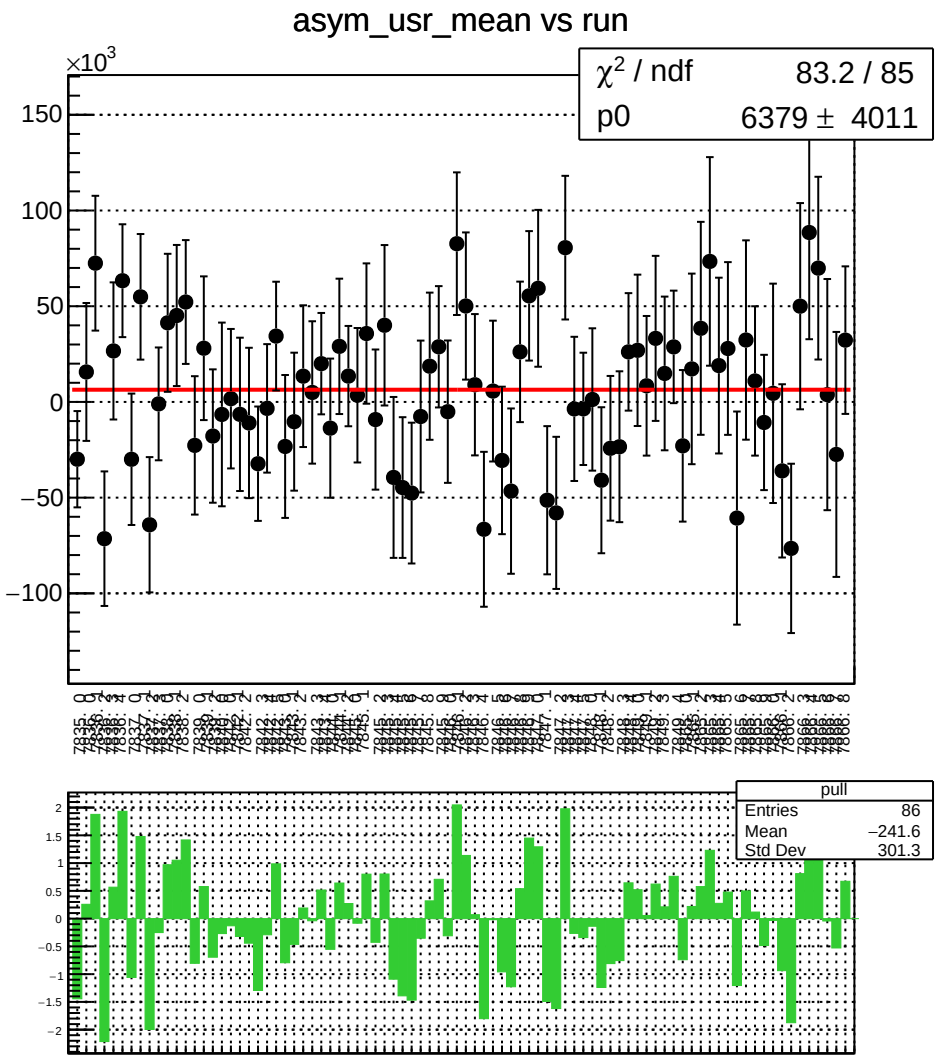

pull1D
Entries 86
Mean 0.0144
Std Dev 0.9922

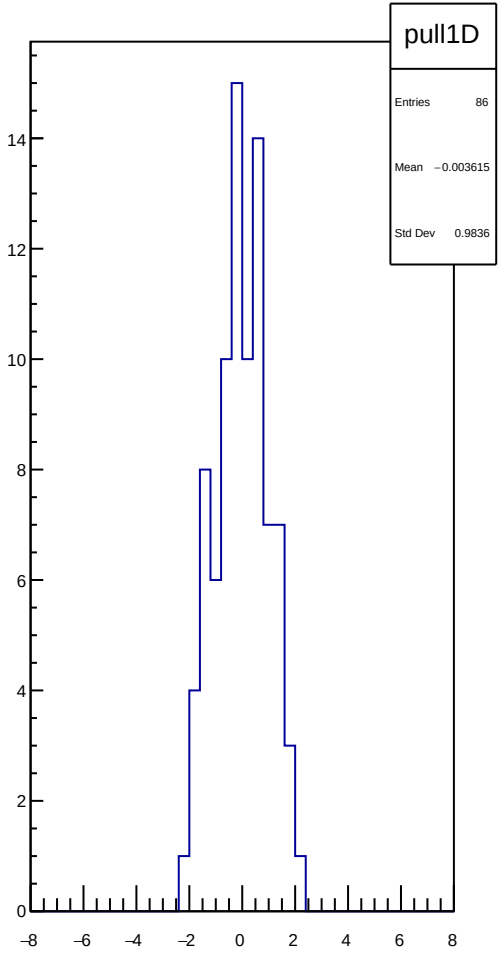

dit_asym_usr_rms vs run
χ² / ndf 276.1 / 85
p0 1095 ± 0.8445
1160
1140
1120
1100
1080
1060

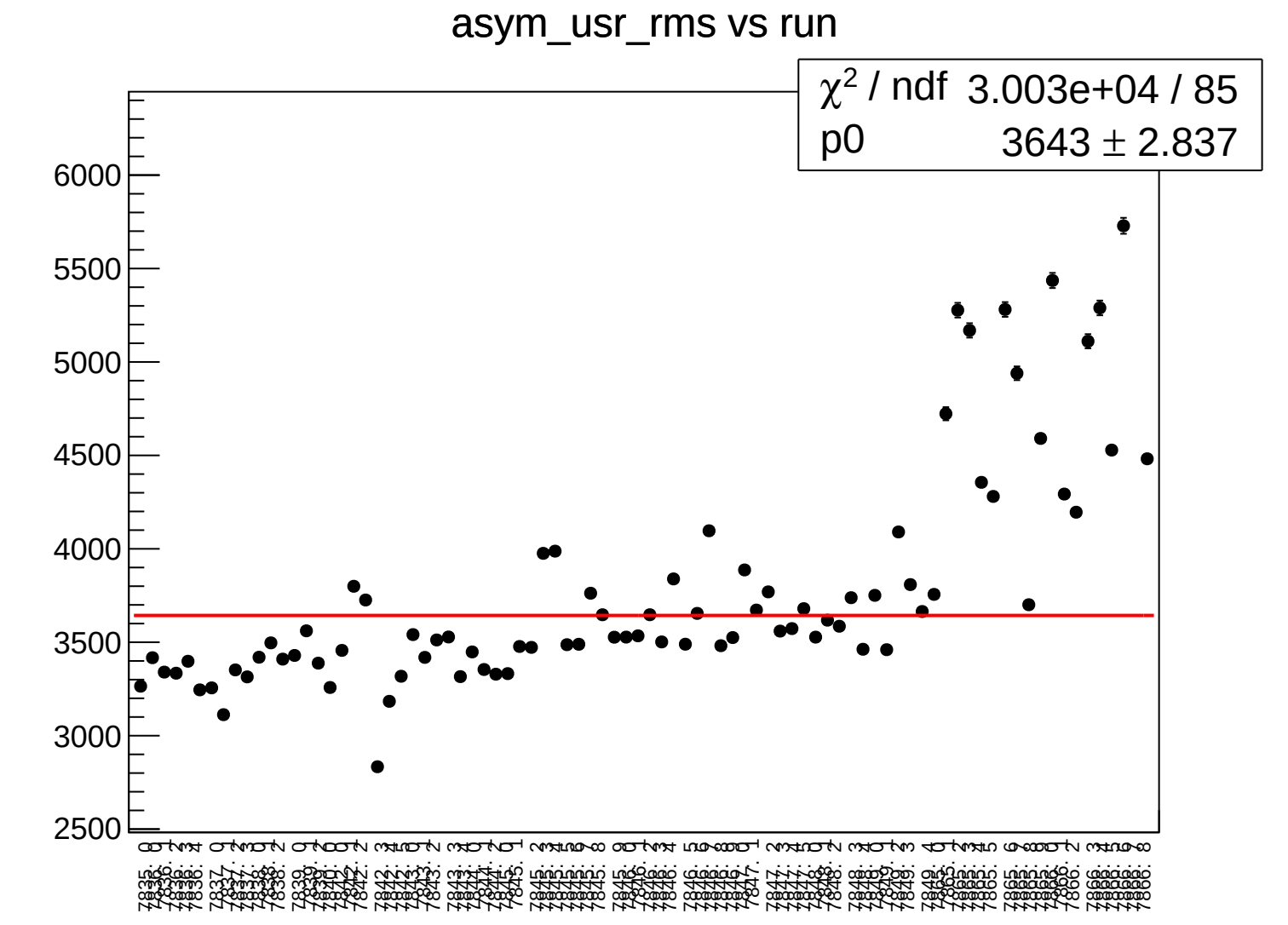

asym_usr_correction_mean vs run
×10^3
χ² / ndf 89.89 / 85
p0 −3238 ± 3844
100
50
0
−50
−100
−150
pull
Entries 86
Mean 52.65
Std Dev 62.75
2
1
0
−1
−2

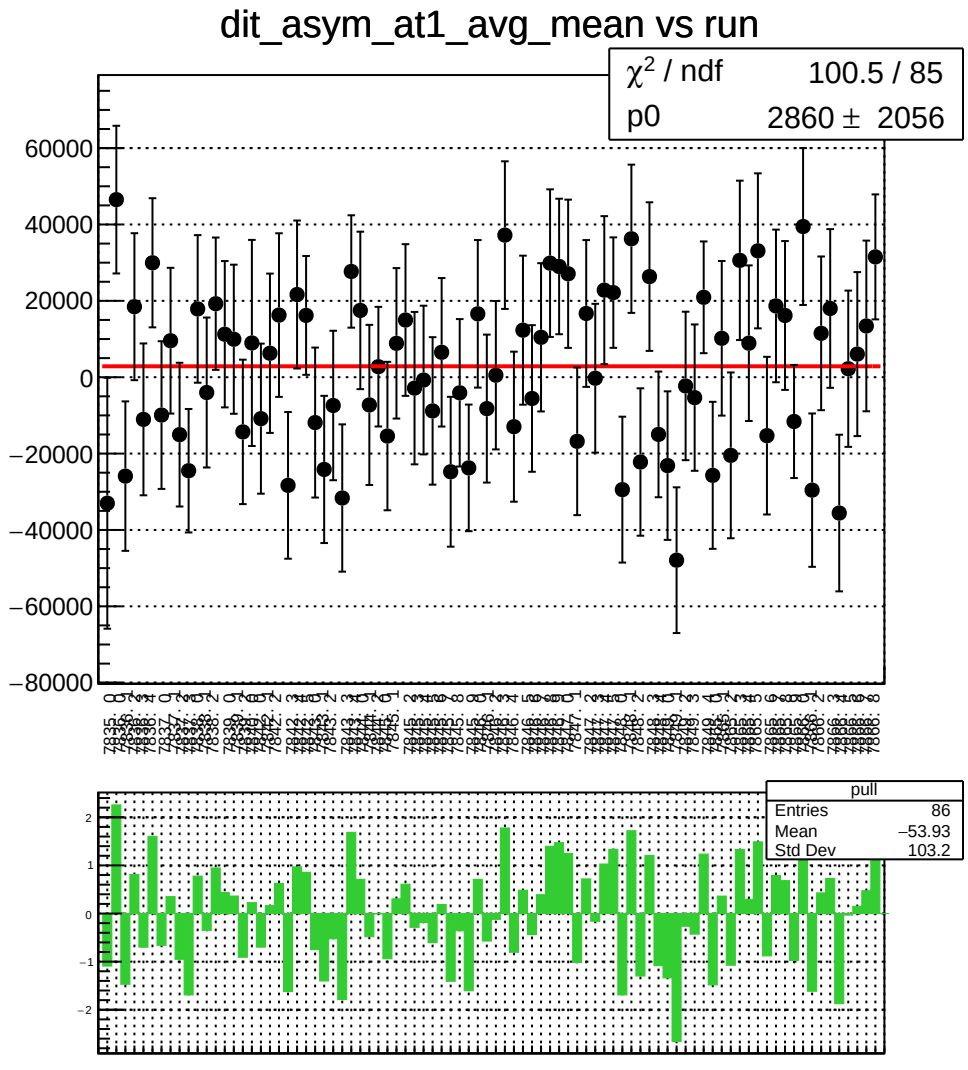

pull1D
Entries 86
Mean 0.01092
Std Dev 1.022
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

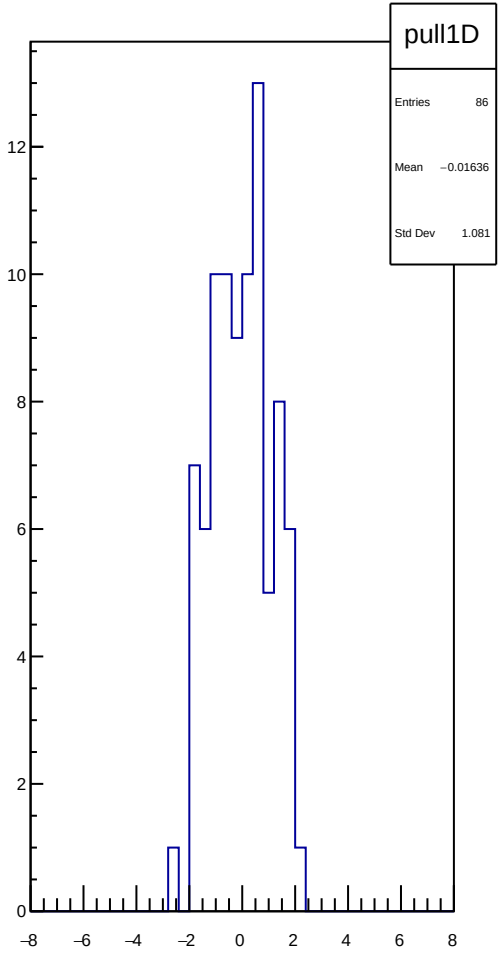

asym_usr_correction_rms vs run
χ² / ndf 3.445e+04 / 85
p0 3487 ± 2.718
6000
5500
5000
4500
4000
3500
3000
2500

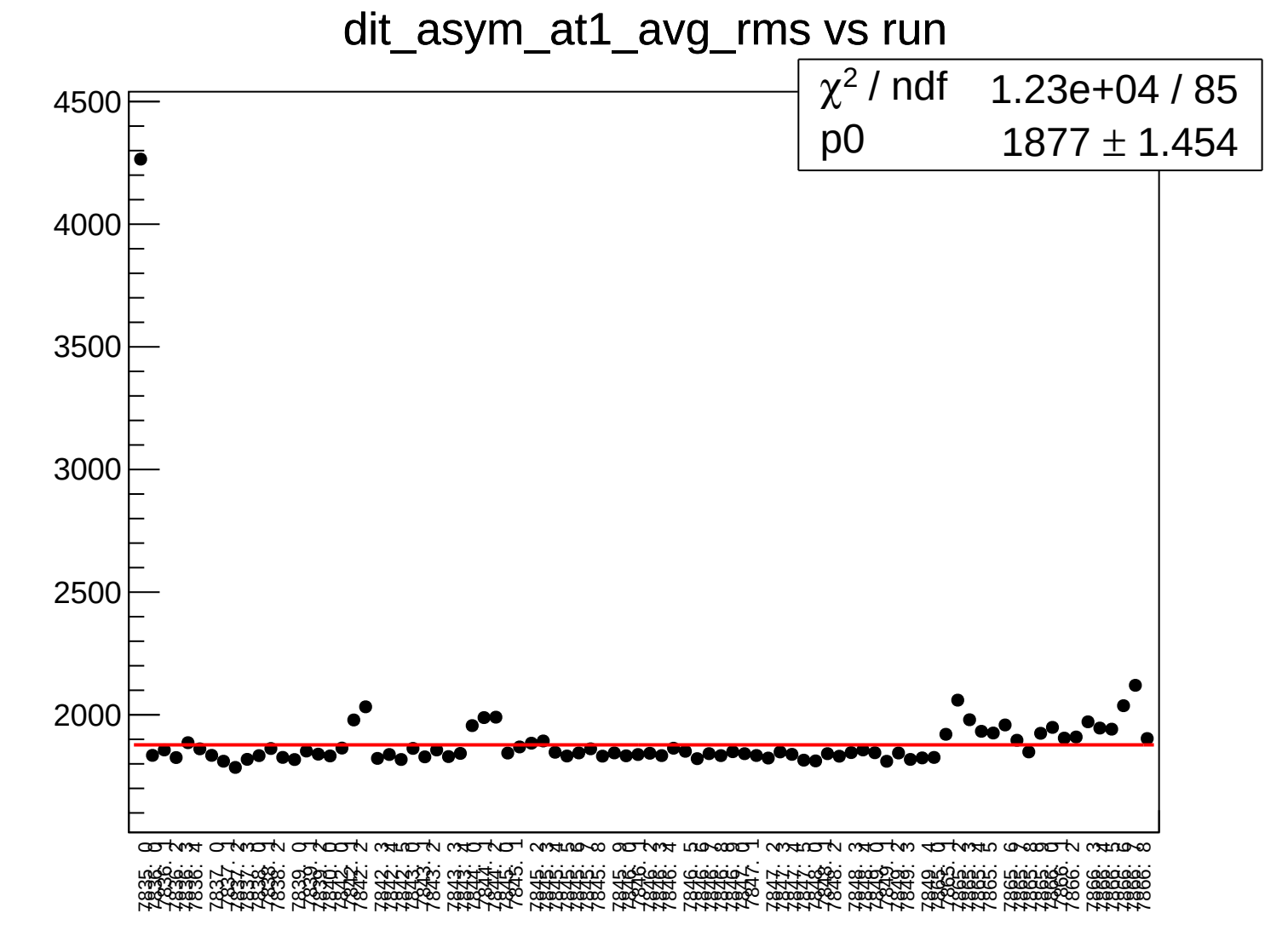

asym_usr_mean vs run
×10^3
χ² / ndf 83.2 / 85
p0 6379 ± 4011
150
100
50
0
−50
−100
pull
Entries 86
Mean −241.6
Std Dev 301.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

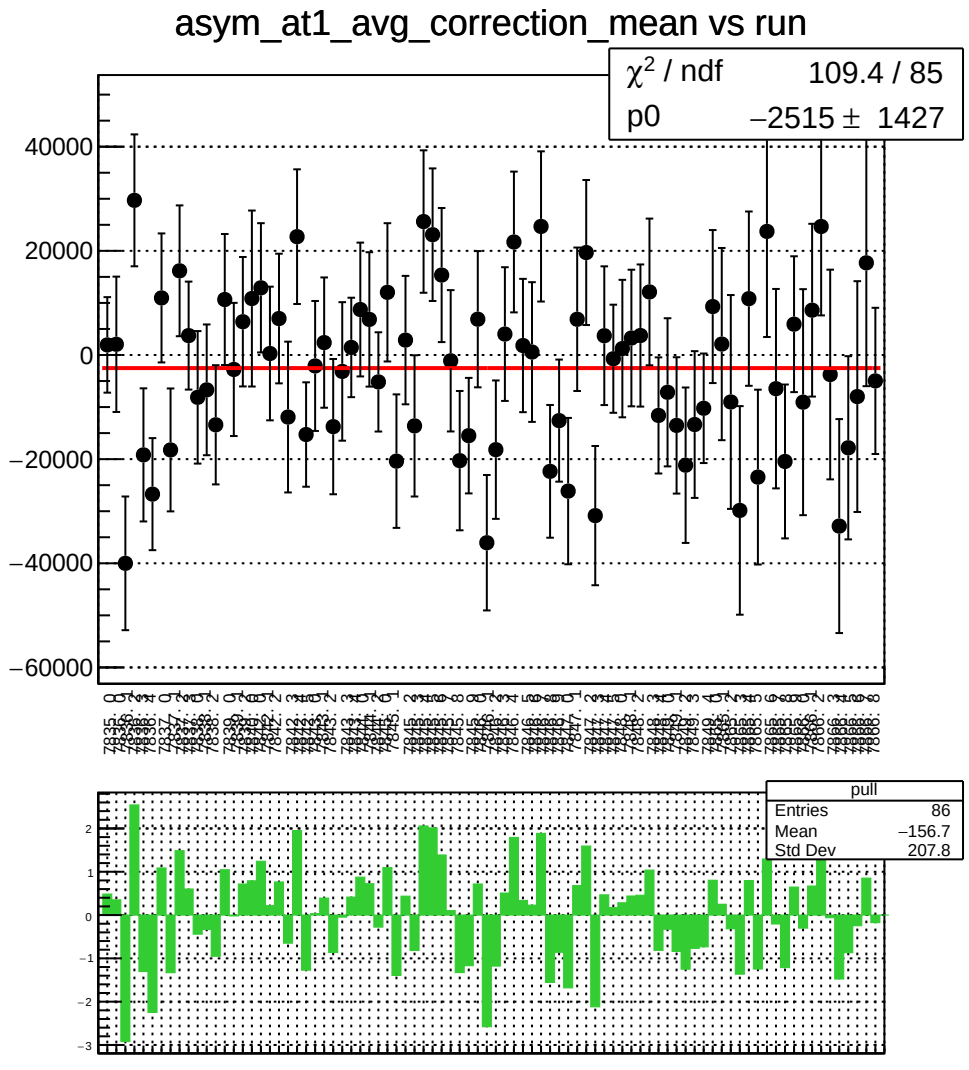

pull1D
Entries 86
Mean −0.003615
Std Dev 0.9836
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

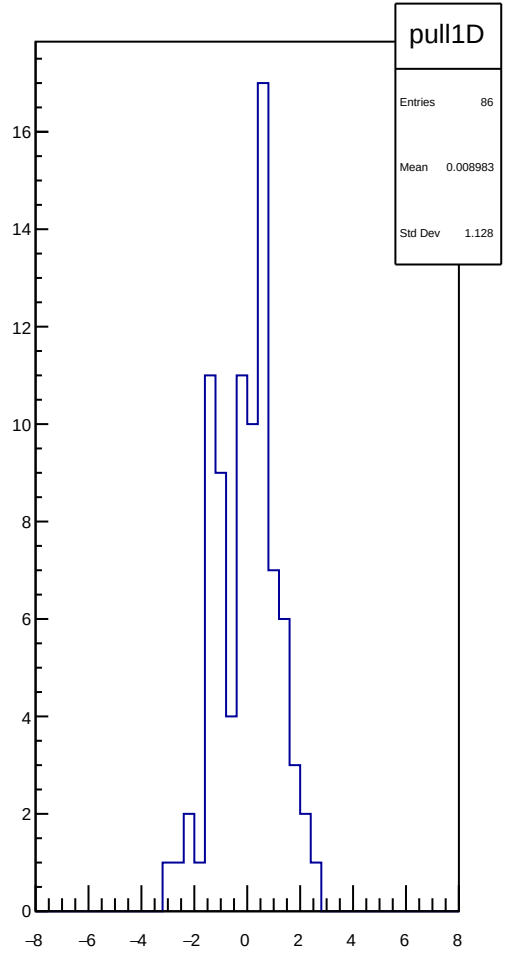

asym_usr_rms vs run
χ^2 / ndf 3.003e+04 / 85
p0 3643 ± 2.837
6000
5500
5000
4500
4000
3500
3000
2500

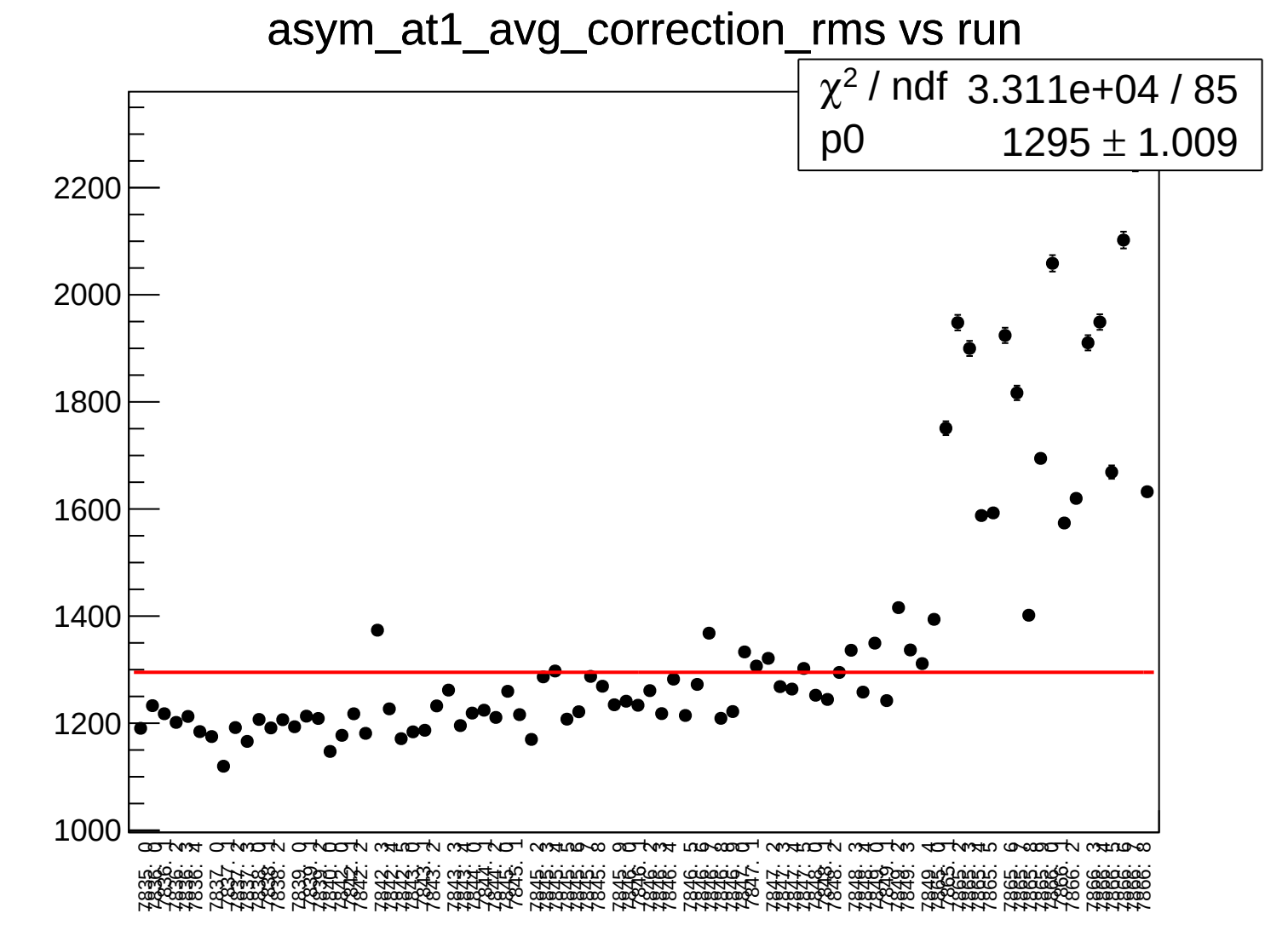

dit_asym_at1_avg_mean vs run
χ² / ndf 100.5 / 85
p0 2860 ± 2056
pull
Entries 86
Mean −53.93
Std Dev 103.2

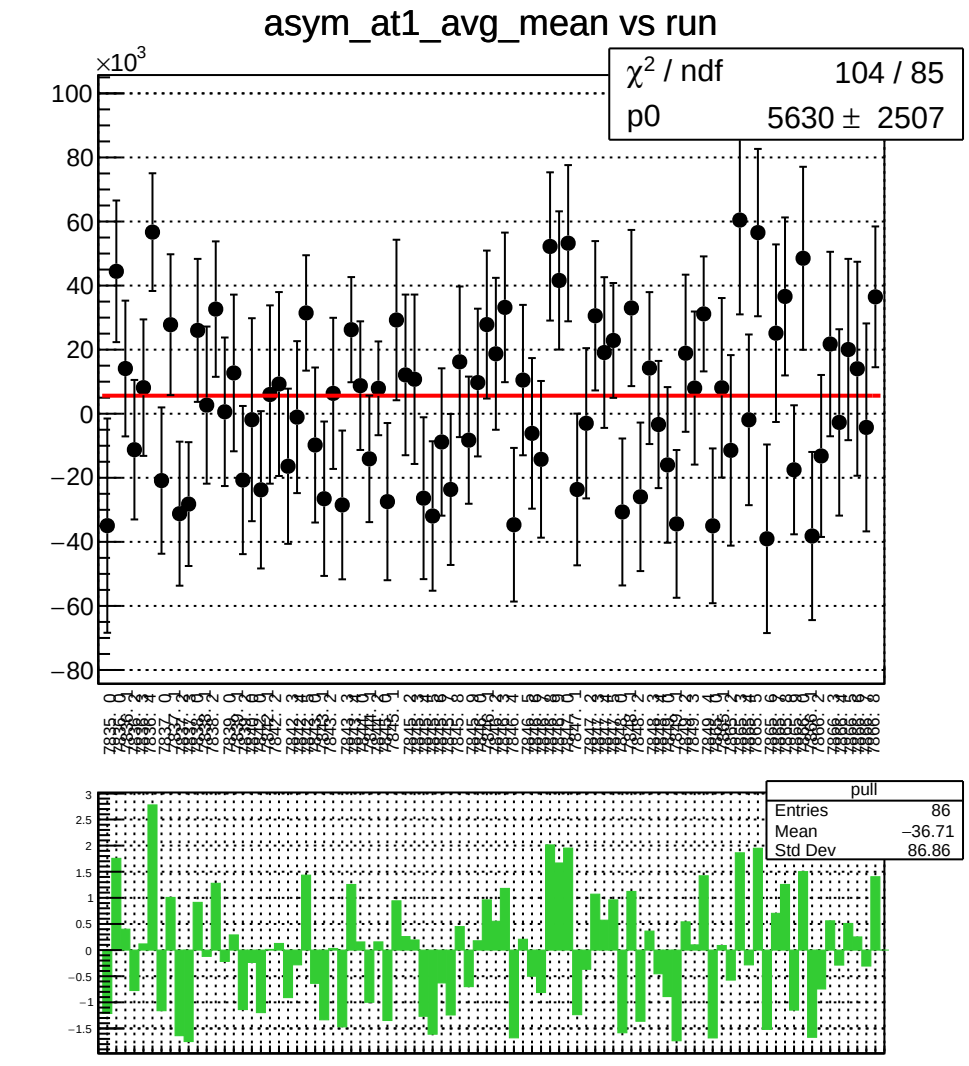

pull1D
Entries 86
Mean −0.01636
Std Dev 1.081

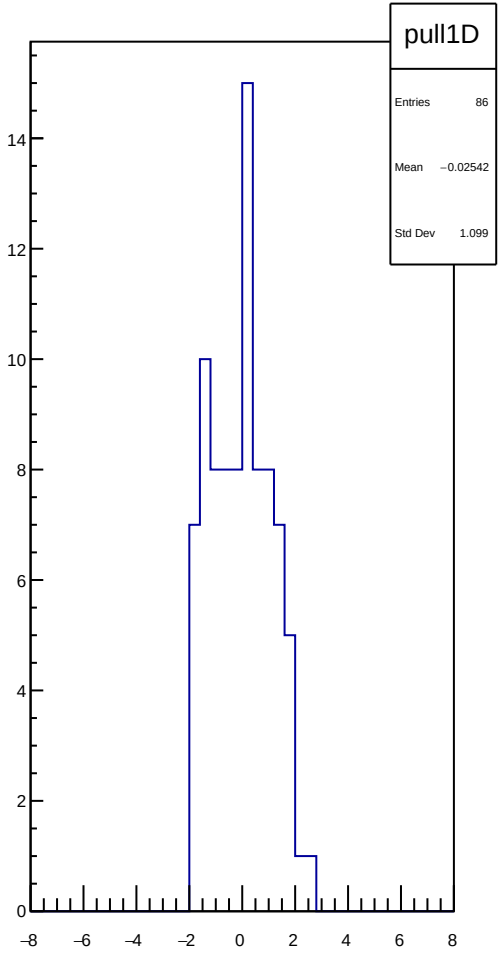

dit_asym_at1_avg_rms vs run
χ² / ndf 1.23e+04 / 85
p0 1877 ± 1.454
4500
4000
3500
3000
2500
2000

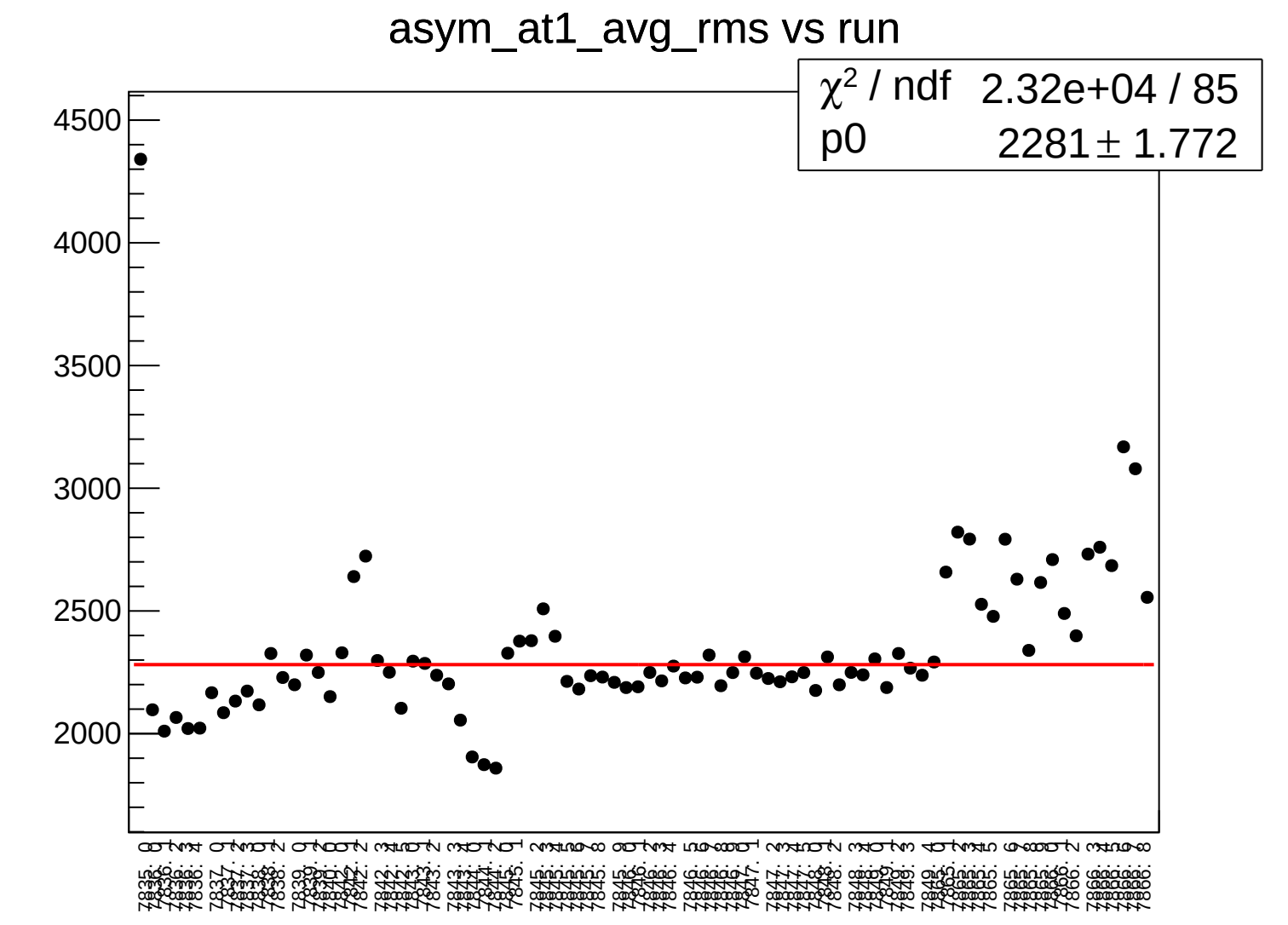

asym_at1_avg_correction_mean vs run
χ² / ndf 109.4 / 85
p0 −2515 ± 1427
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −156.7
Std Dev 207.8
2
1
0
−1
−2
−3

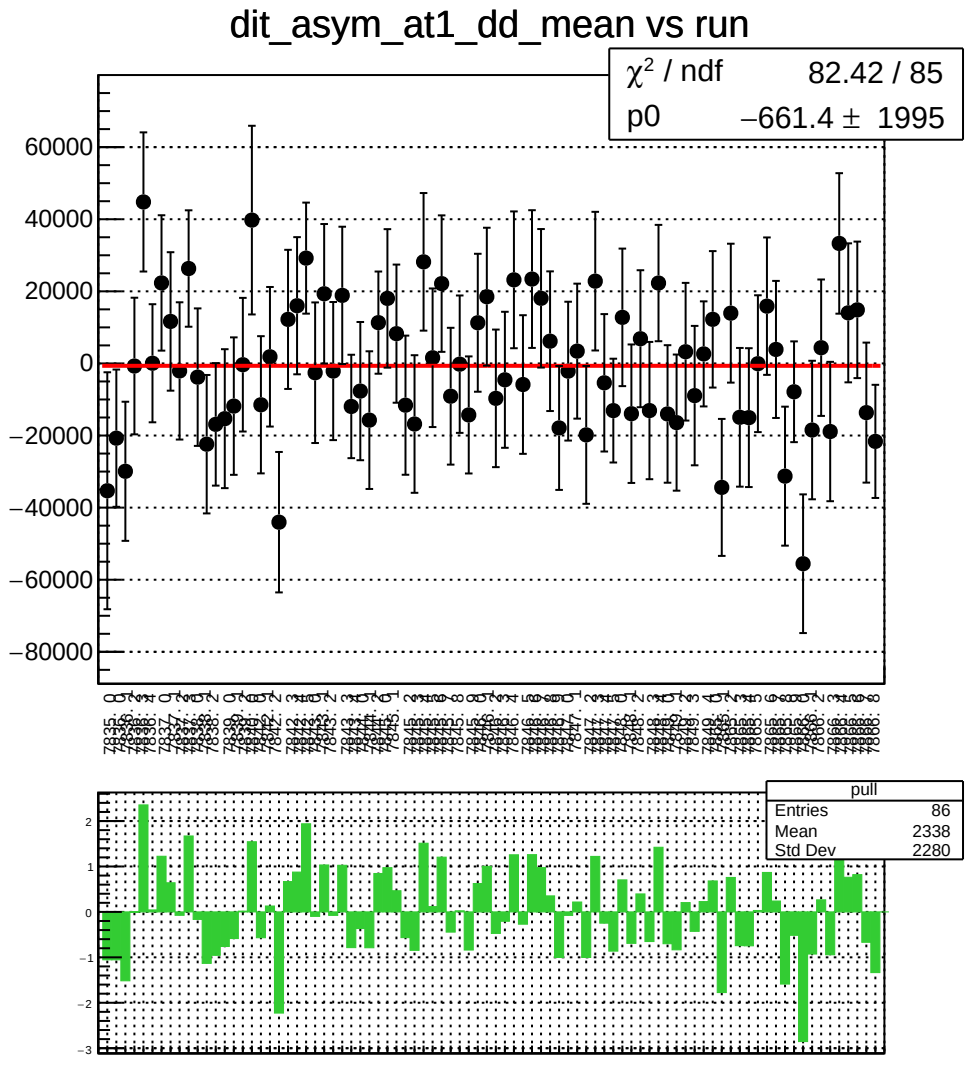

pull1D
Entries 86
Mean 0.008983
Std Dev 1.128
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

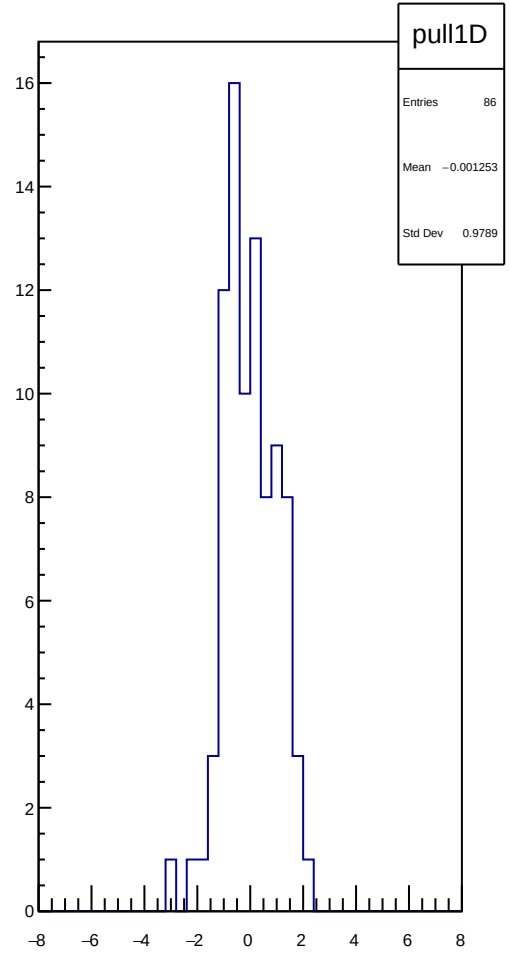

asym_at1_avg_correction_rms vs run
χ² / ndf 3.311e+04 / 85
p0 1295 ± 1.009
2200
2000
1800
1600
1400
1200
1000

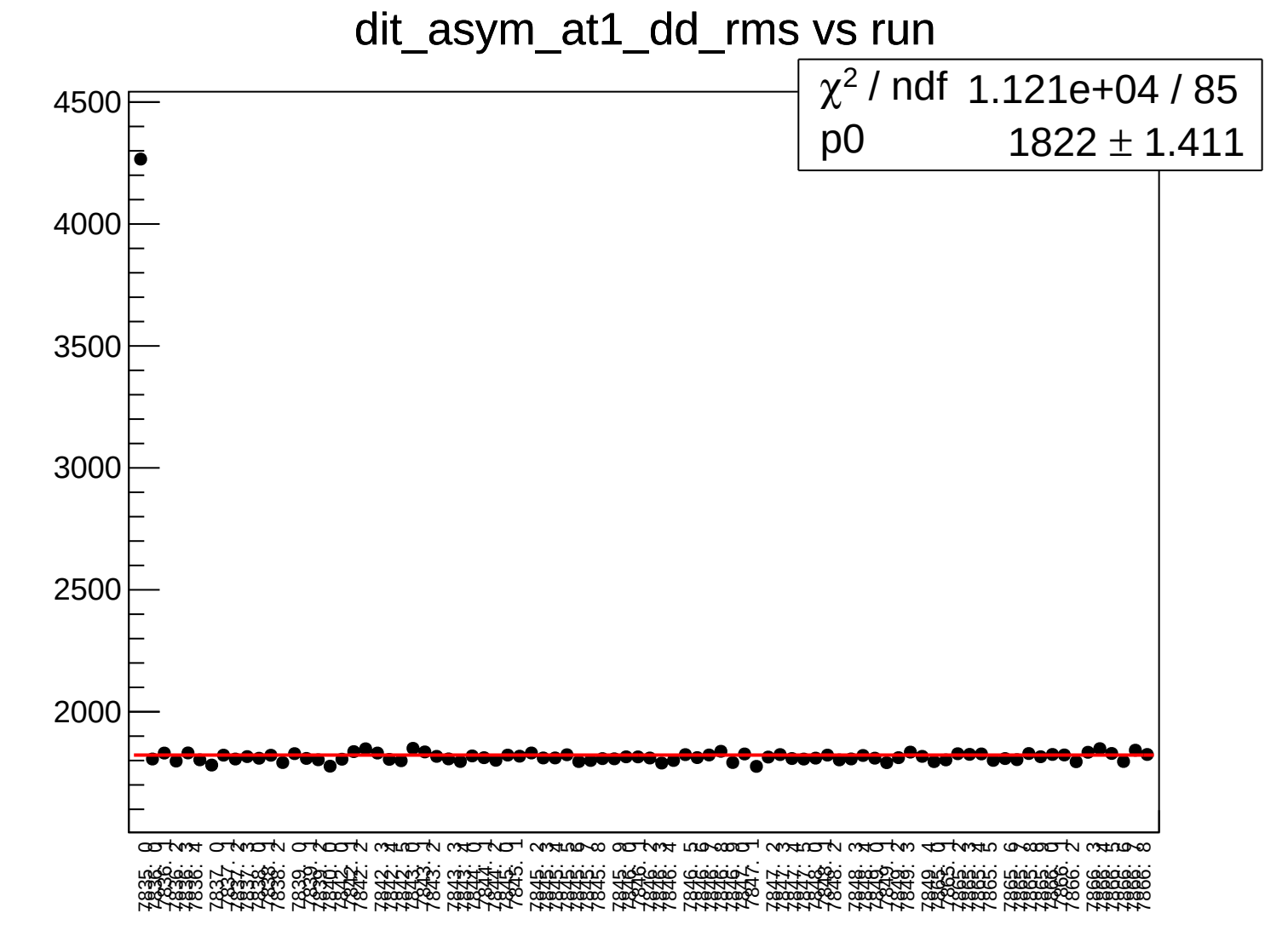

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 104 / 85
p0 5630 ± 2507
pull
Entries 86
Mean −36.71
Std Dev 86.86

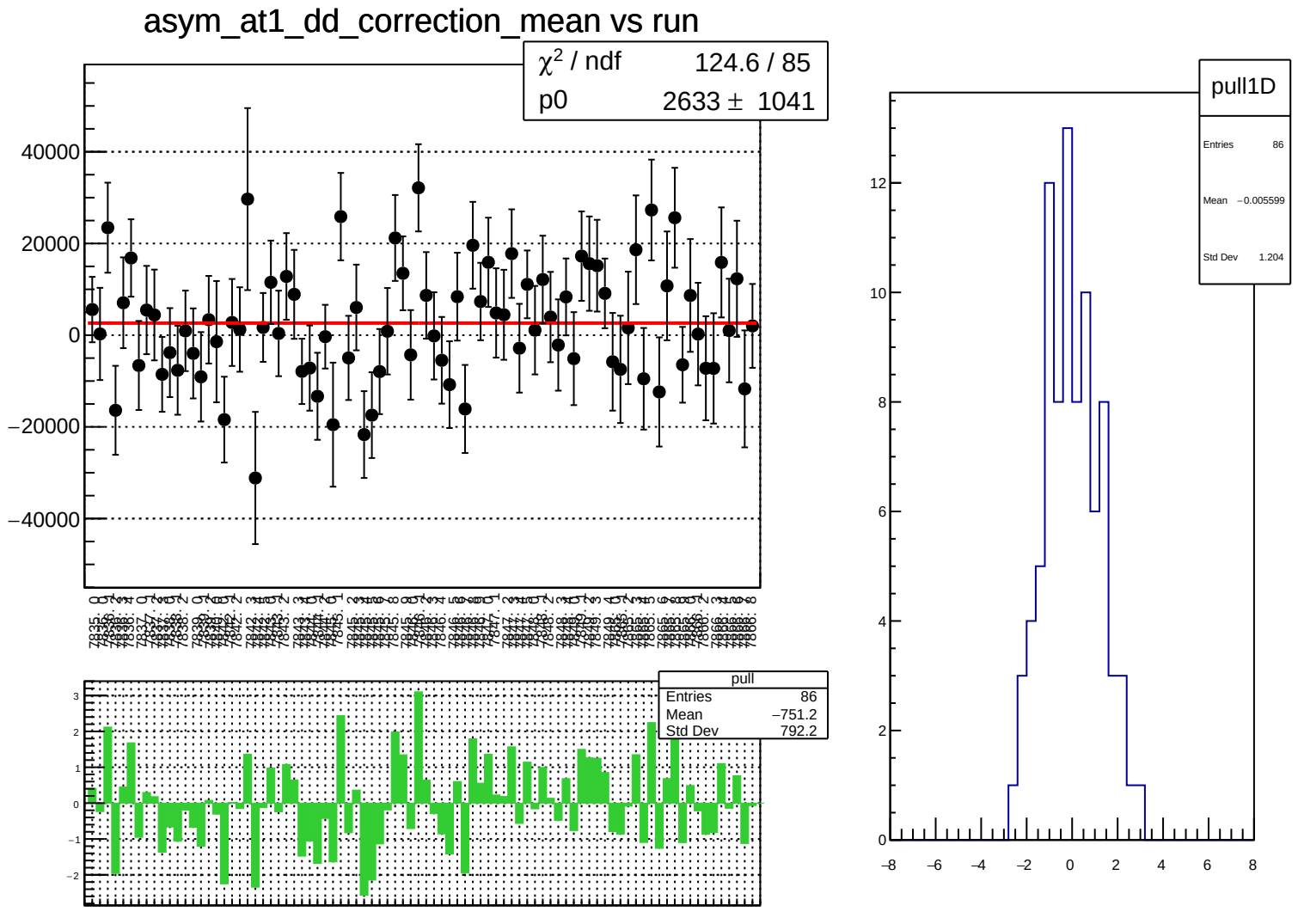

pull1D
Entries 86
Mean −0.02542
Std Dev 1.099

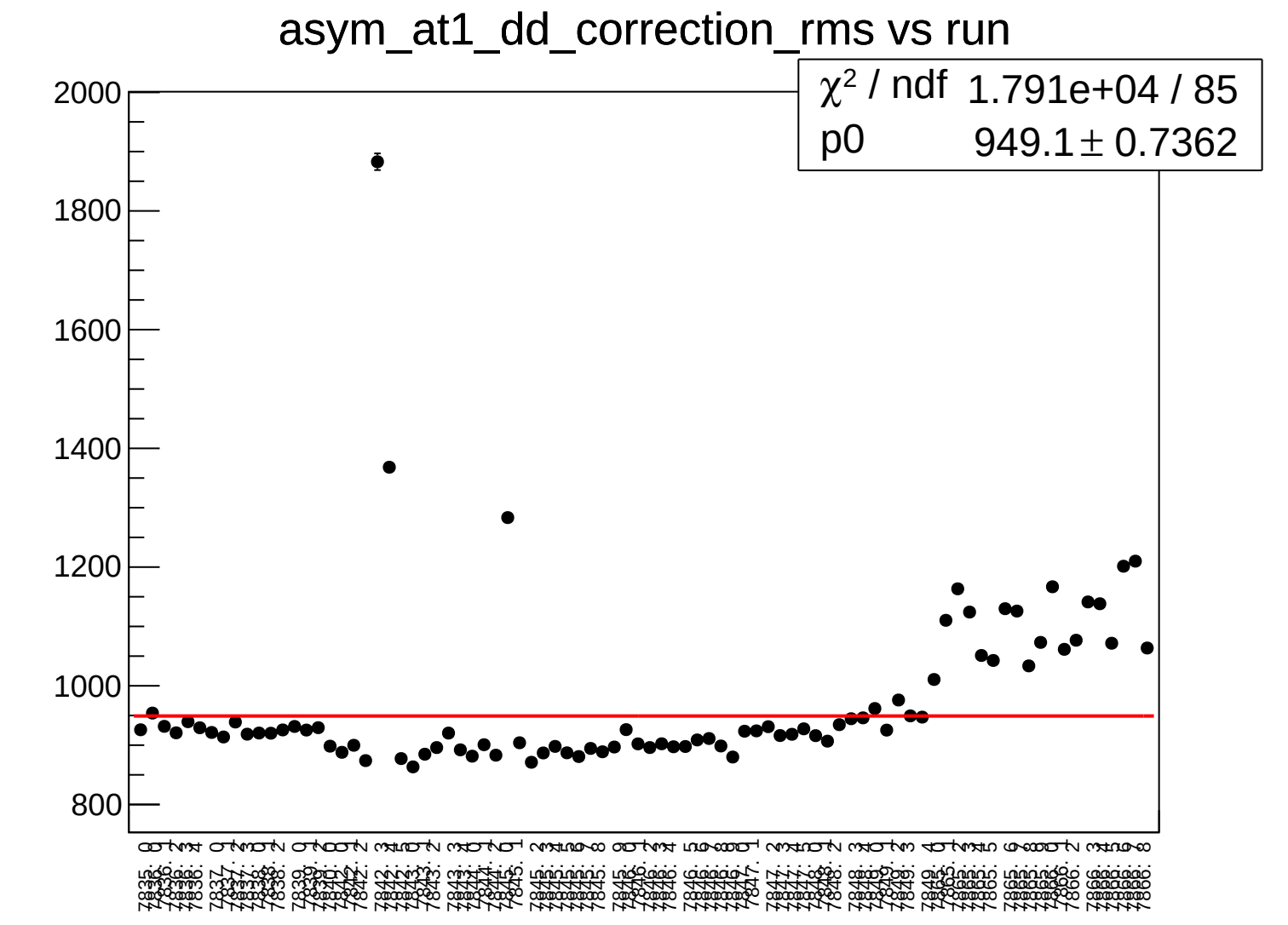

asym_at1_avg_rms vs run
χ^2 / ndf 2.32e+04 / 85
p0 2281 ± 1.772
4500
4000
3500
3000
2500
2000

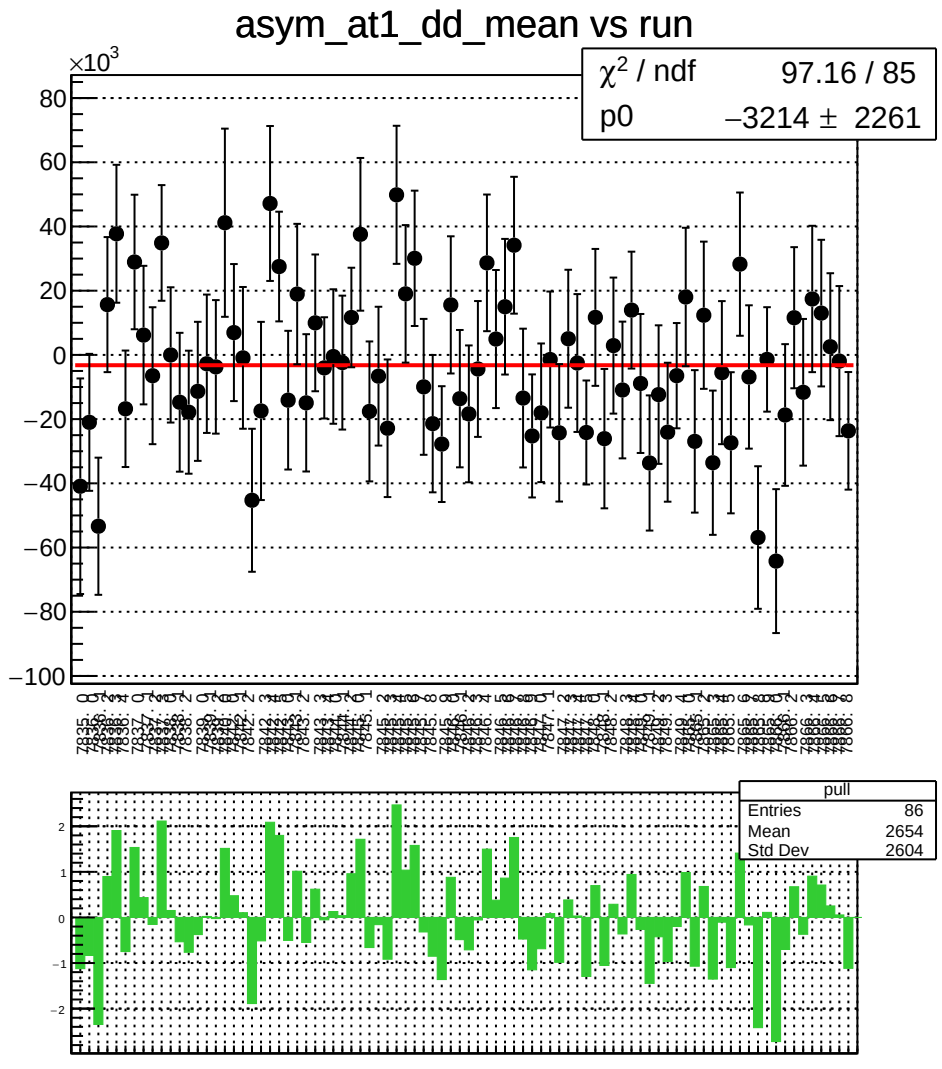

dit_asym_at1_dd_mean vs run
χ² / ndf 82.42 / 85
p0 −661.4 ± 1995
pull
Entries 86
Mean 2338
Std Dev 2280

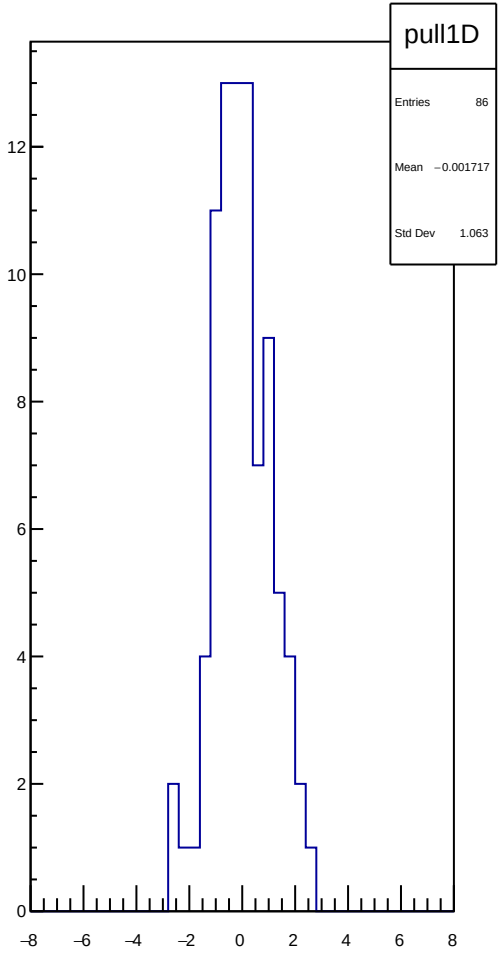

pull1D
Entries 86
Mean −0.001253
Std Dev 0.9789

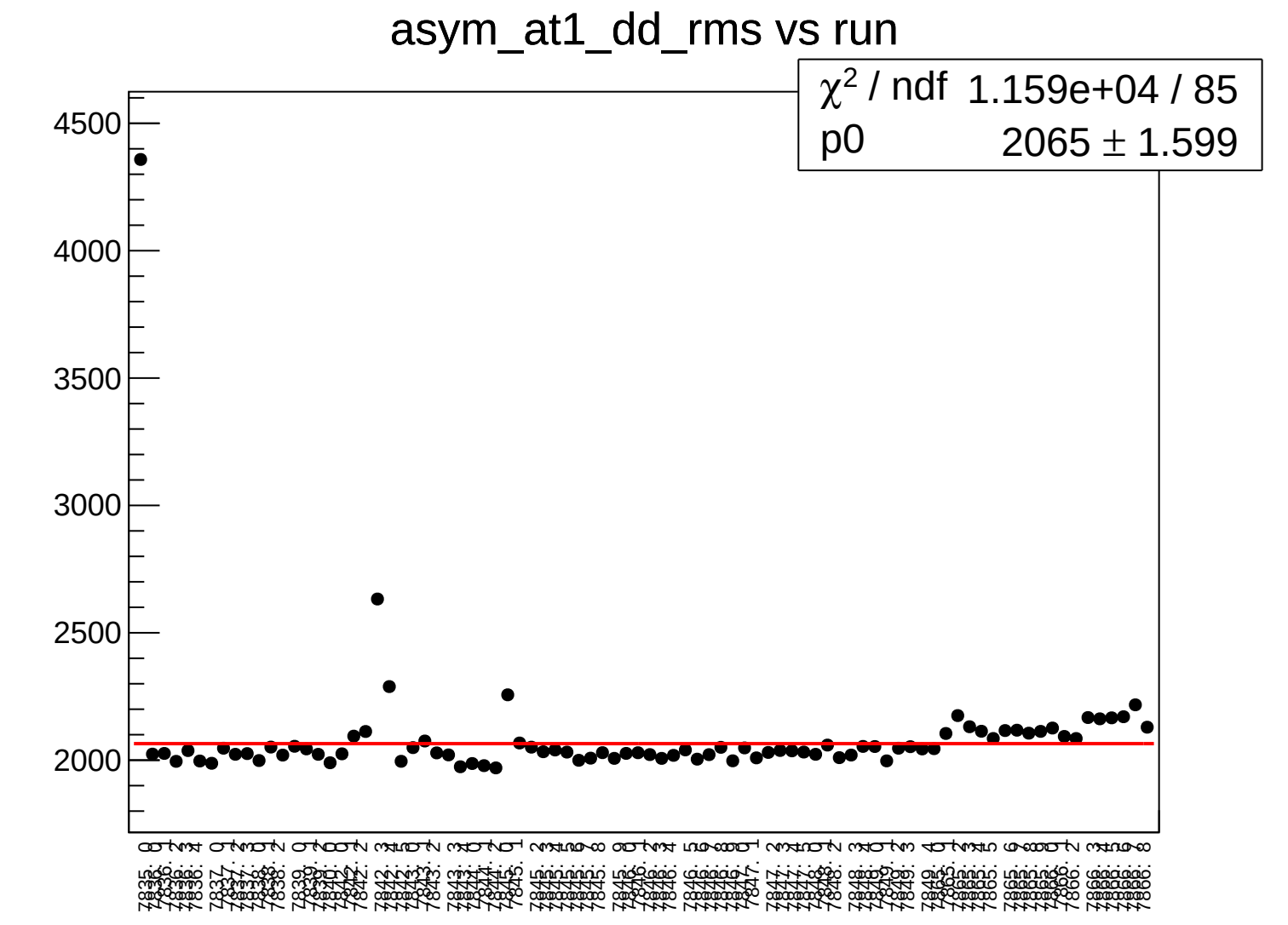

dit_asym_at1_dd_rms vs run
χ^2 / ndf 1.121e+04 / 85
p0 1822 ± 1.411
4500
4000
3500
3000
2500
2000

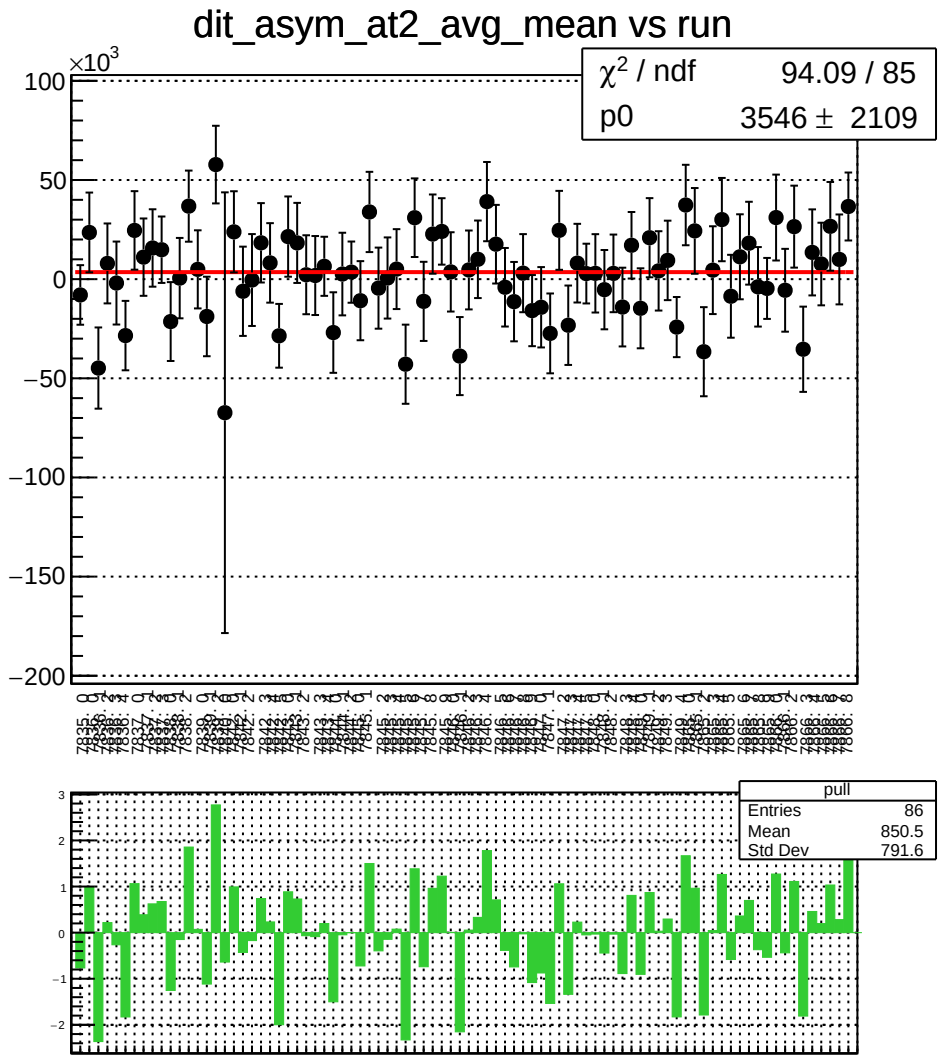

asym_at1_dd_correction_mean vs run
χ² / ndf 124.6 / 85
p0 2633 ± 1041
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −751.2
Std Dev 792.2
pull1D
Entries 86
Mean −0.005599
Std Dev 1.204
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

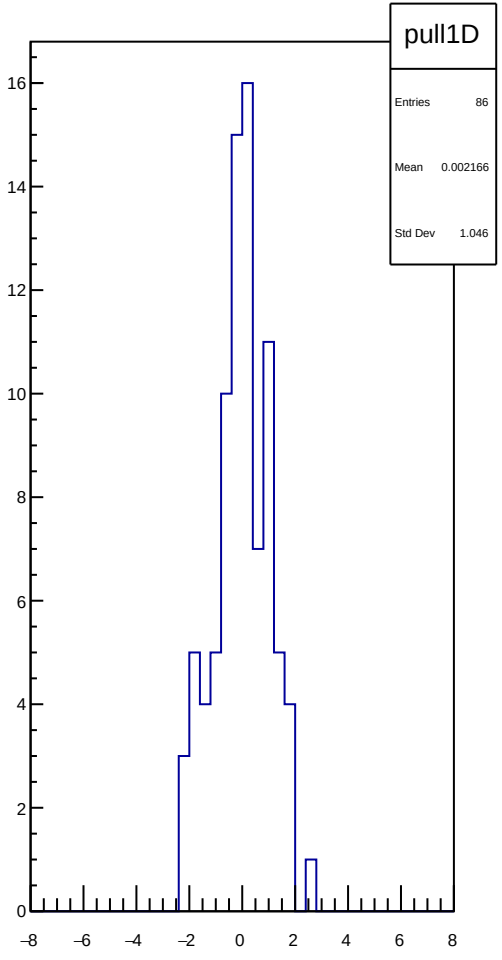

asym_at1_dd_correction_rms vs run
χ² / ndf 1.791e+04 / 85
p0 949.1 ± 0.7362
2000
1800
1600
1400
1200
1000
800

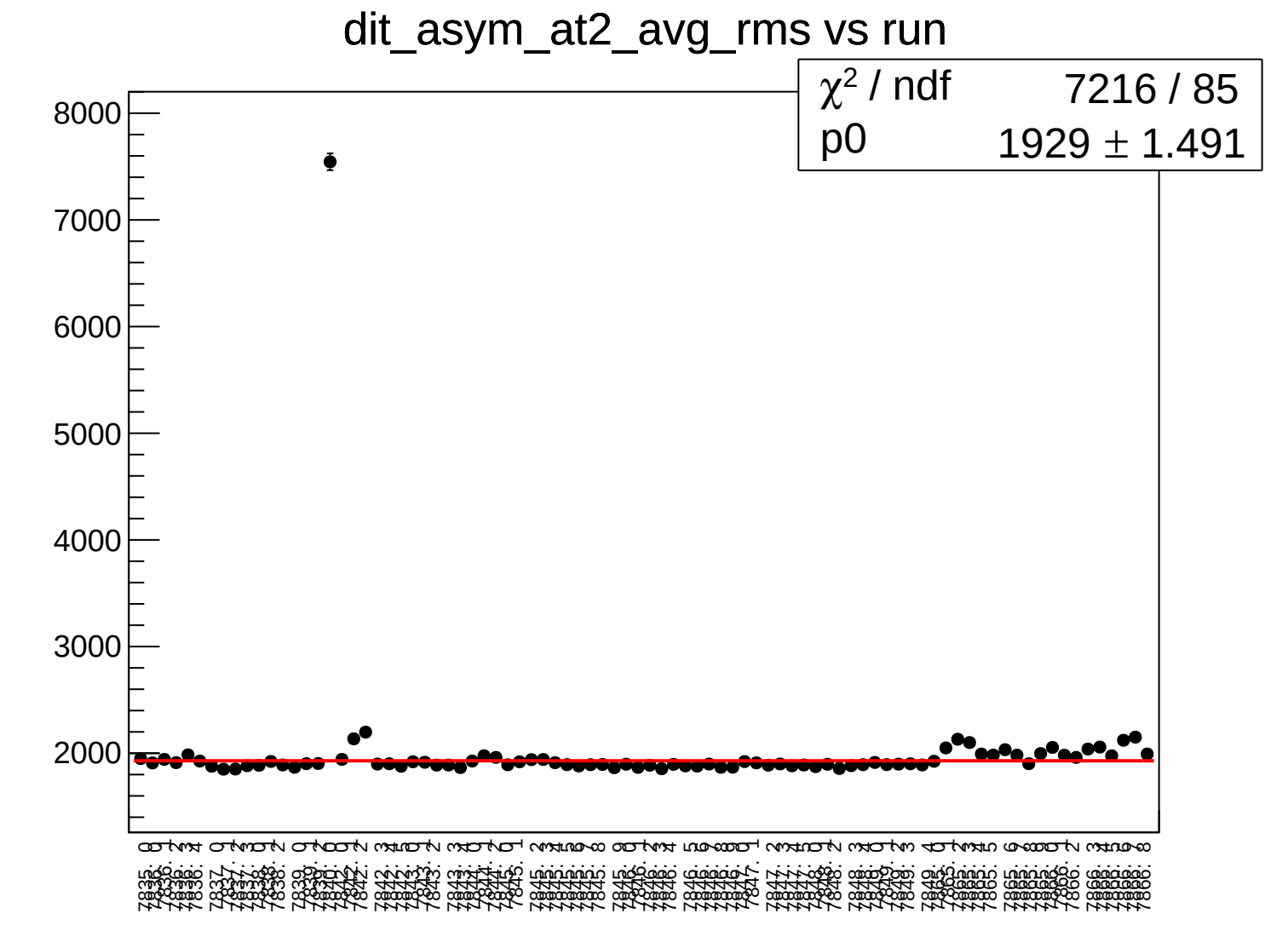

asym_at1_dd_mean vs run
×10^3
χ² / ndf 97.16 / 85
p0 −3214 ± 2261
pull
Entries 86
Mean 2654
Std Dev 2604

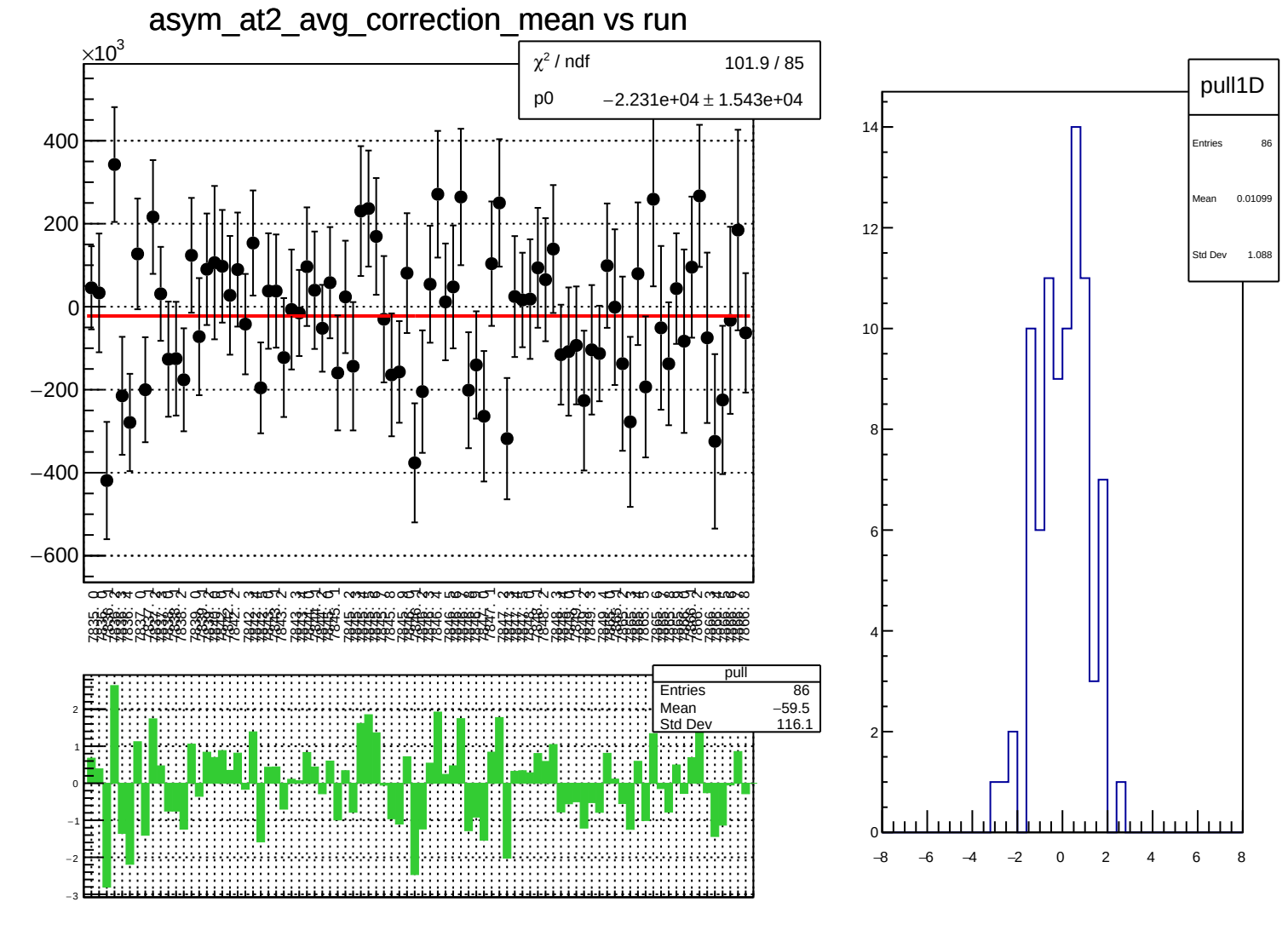

pull1D
Entries 86
Mean −0.001717
Std Dev 1.063

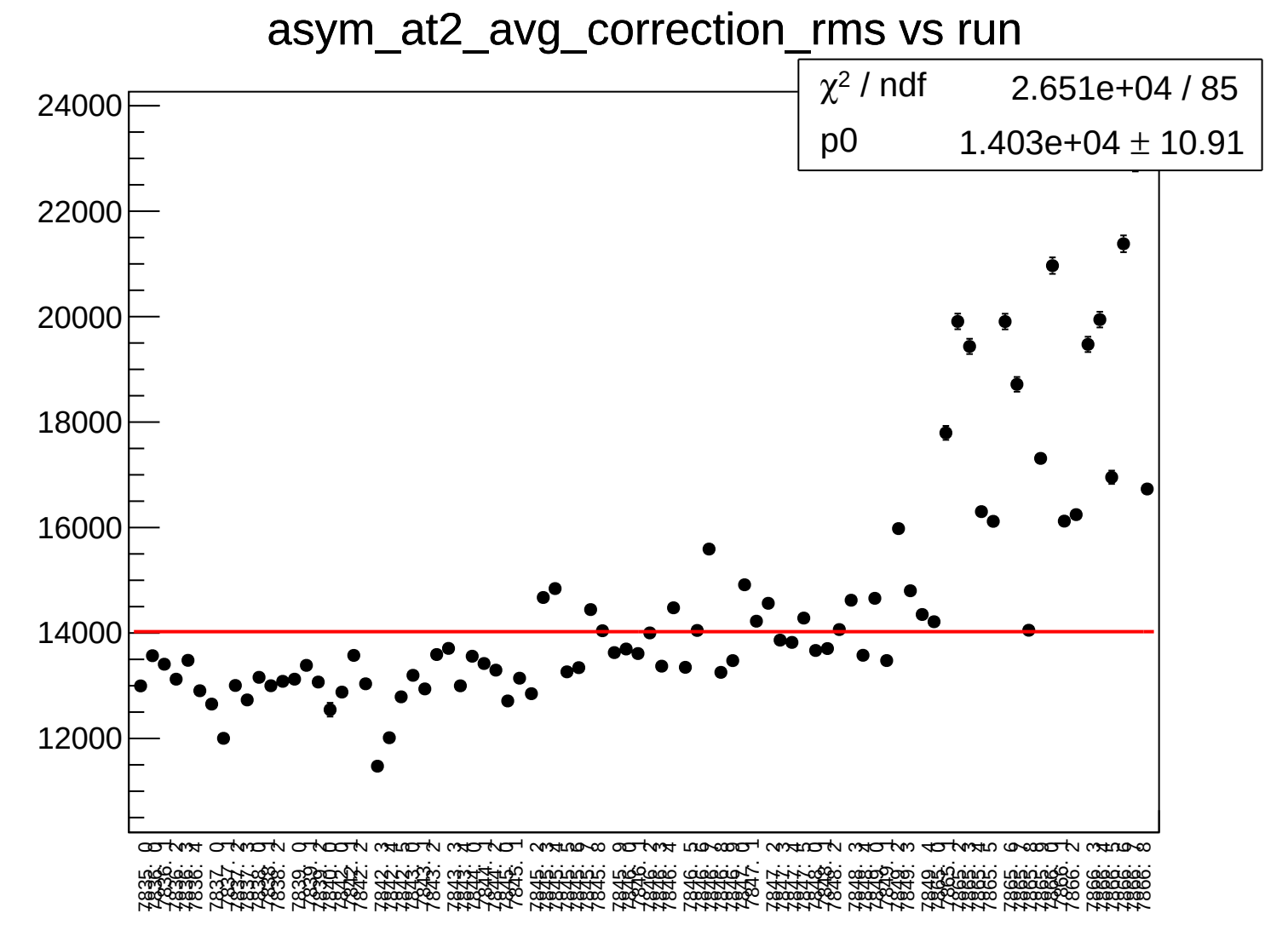

asym_at1_dd_rms vs run
χ^2 / ndf 1.159e+04 / 85
p0 2065 ± 1.599
4500
4000
3500
3000
2500
2000

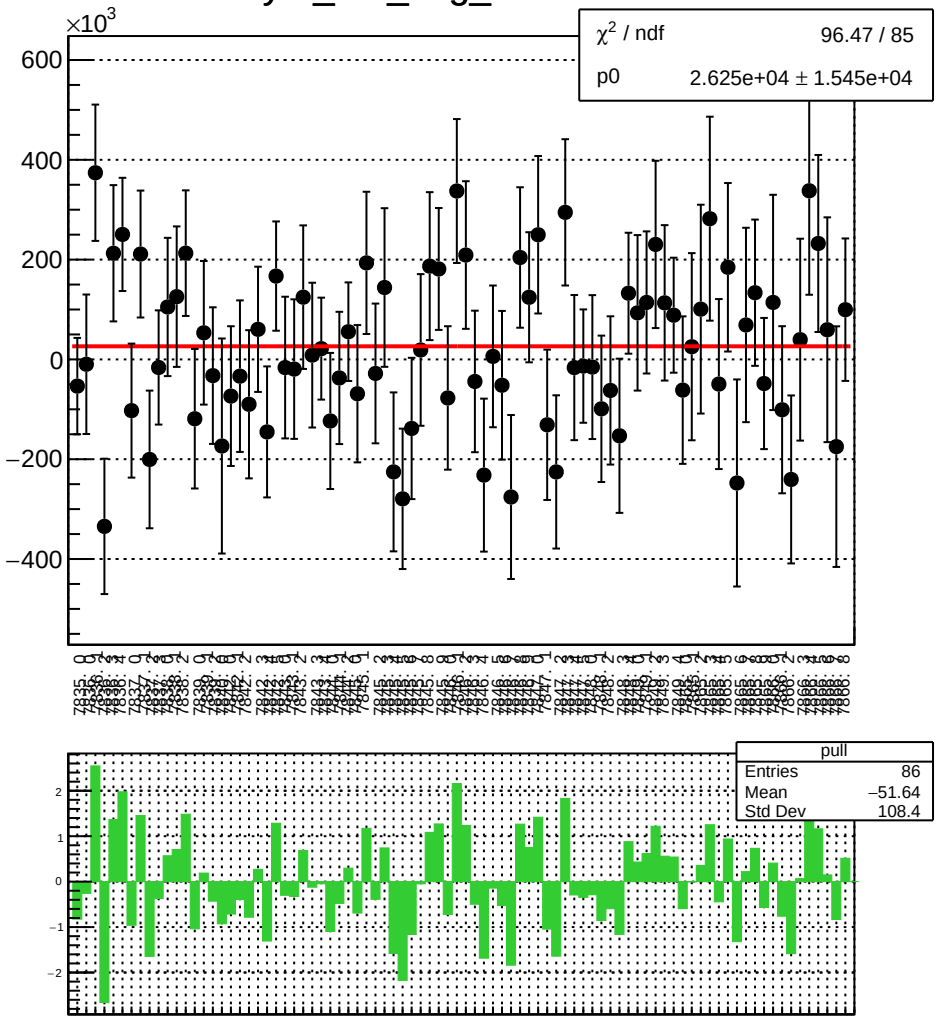

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 94.09 / 85
p0 3546 ± 2109
pull
Entries 86
Mean 850.5
Std Dev 791.6

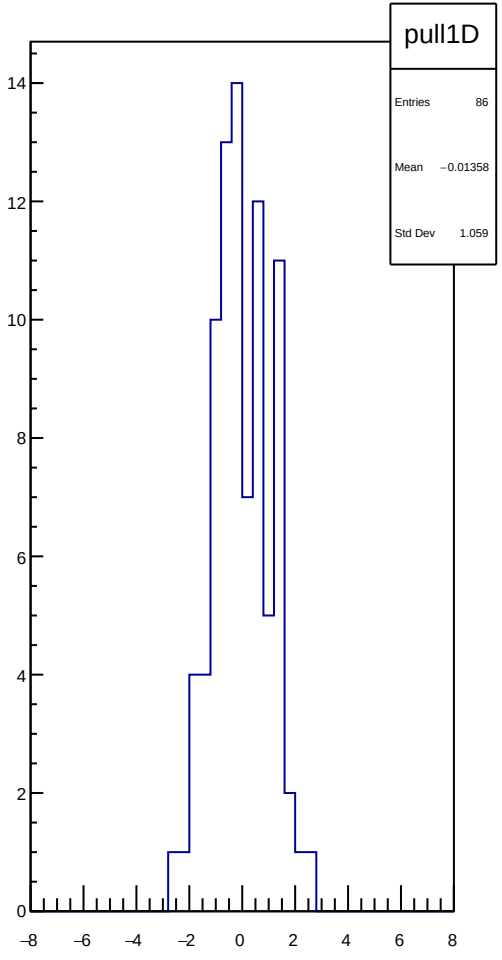

pull1D
Entries 86
Mean 0.002166
Std Dev 1.046

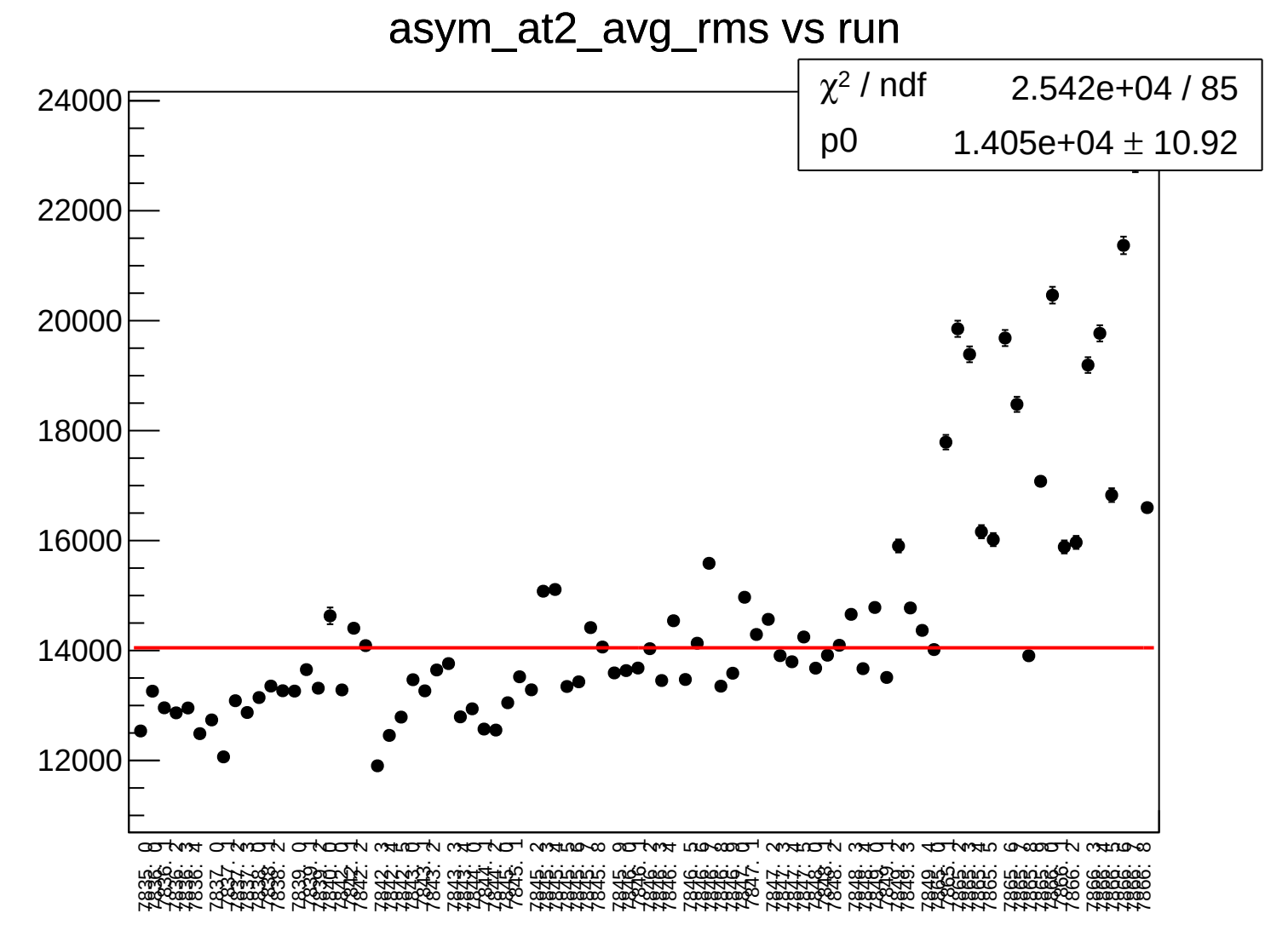

dit_asym_at2_avg_rms vs run
χ² / ndf 7216 / 85
p0 1929 ± 1.491
8000
7000
6000
5000
4000
3000
2000

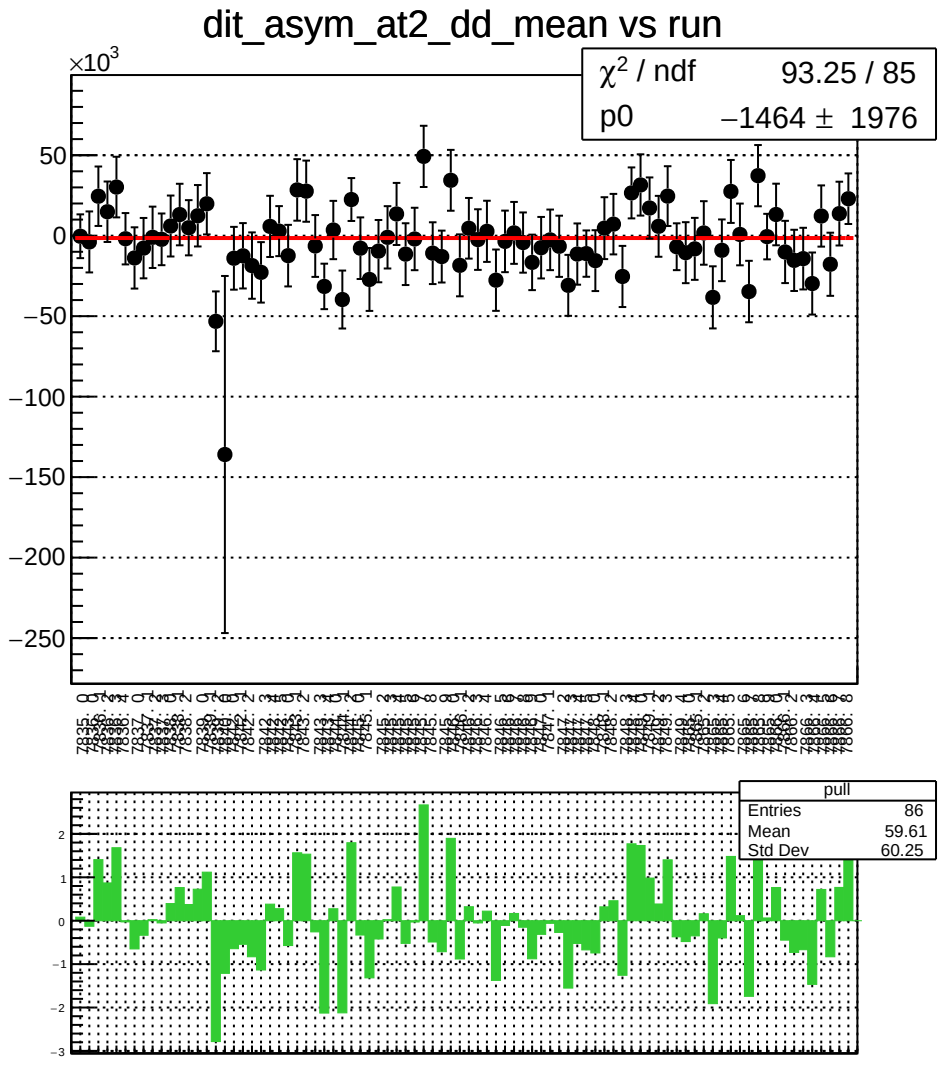

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 101.9 / 85
p0 −2.231e+04 ± 1.543e+04
400
200
0
−200
−400
−600
pull
Entries 86
Mean −59.5
Std Dev 116.1
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.01099
Std Dev 1.088
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

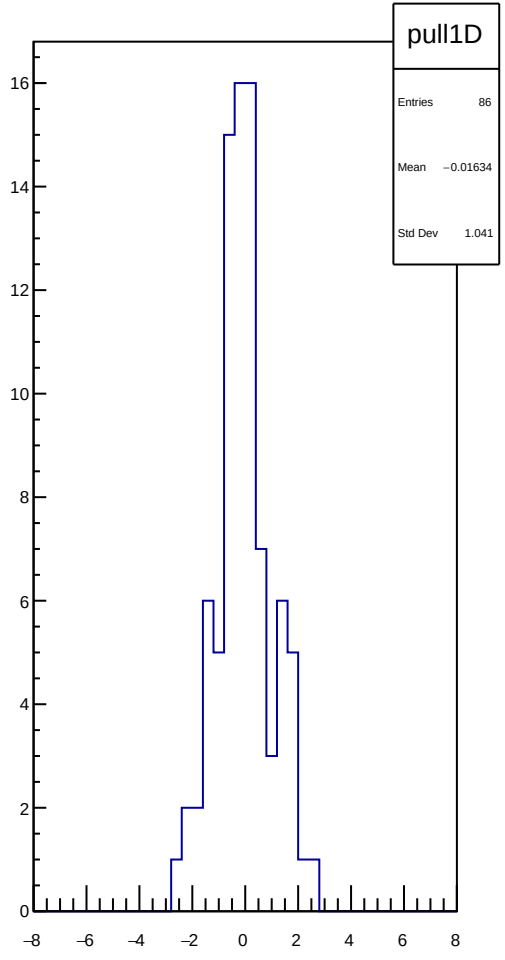

asym_at2_avg_correction_rms vs run
χ² / ndf 2.651e+04 / 85
p0 1.403e+04 ± 10.91
24000
22000
20000
18000
16000
14000
12000

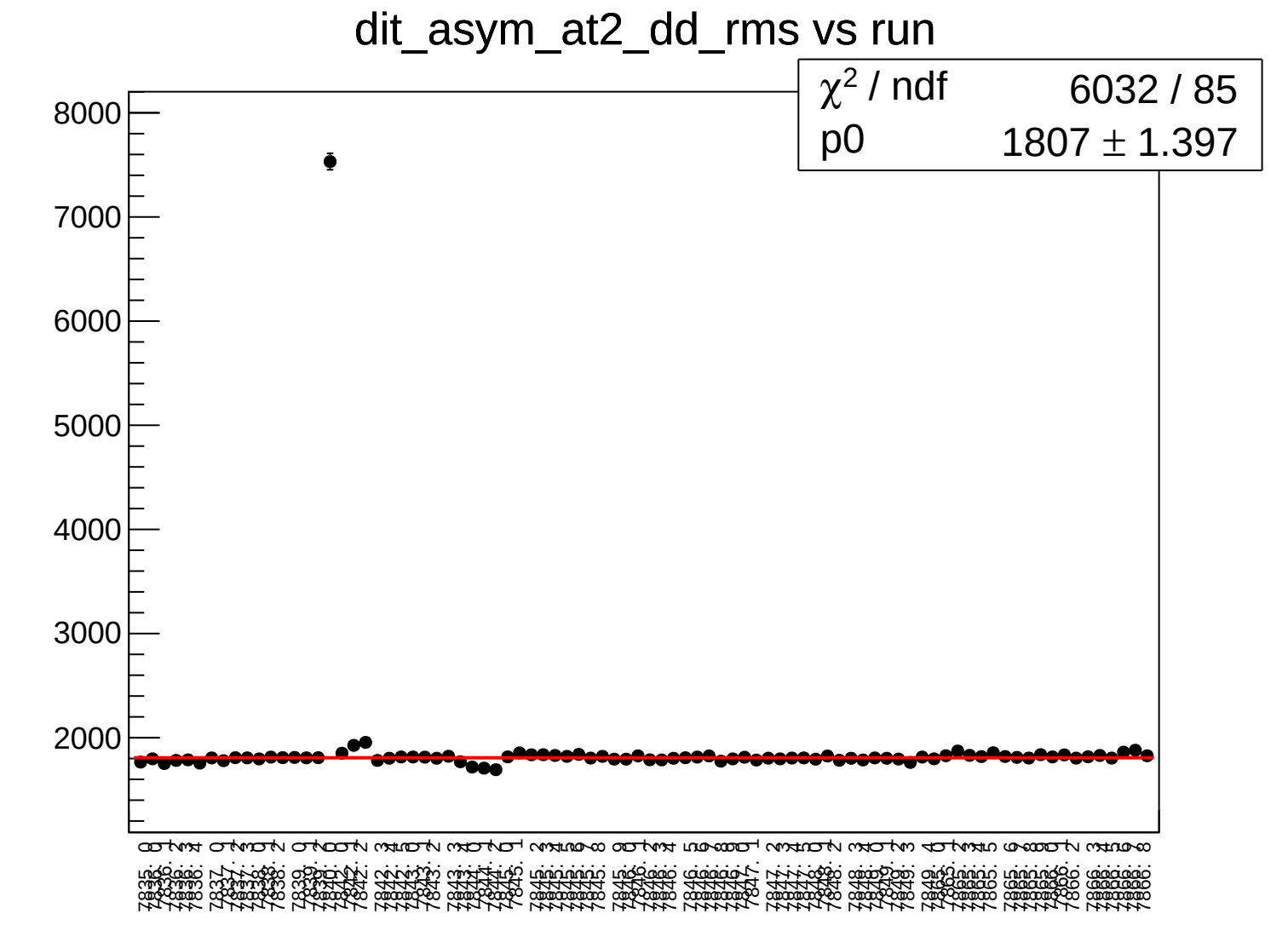

asym_at2_avg_mean vs run
×10^3
600
400
200
0
−200
−400
χ² / ndf 96.47 / 85
p0 2.625e+04 ± 1.545e+04
pull
Entries 86
Mean −51.64
Std Dev 108.4
2
1
0
−1
−2

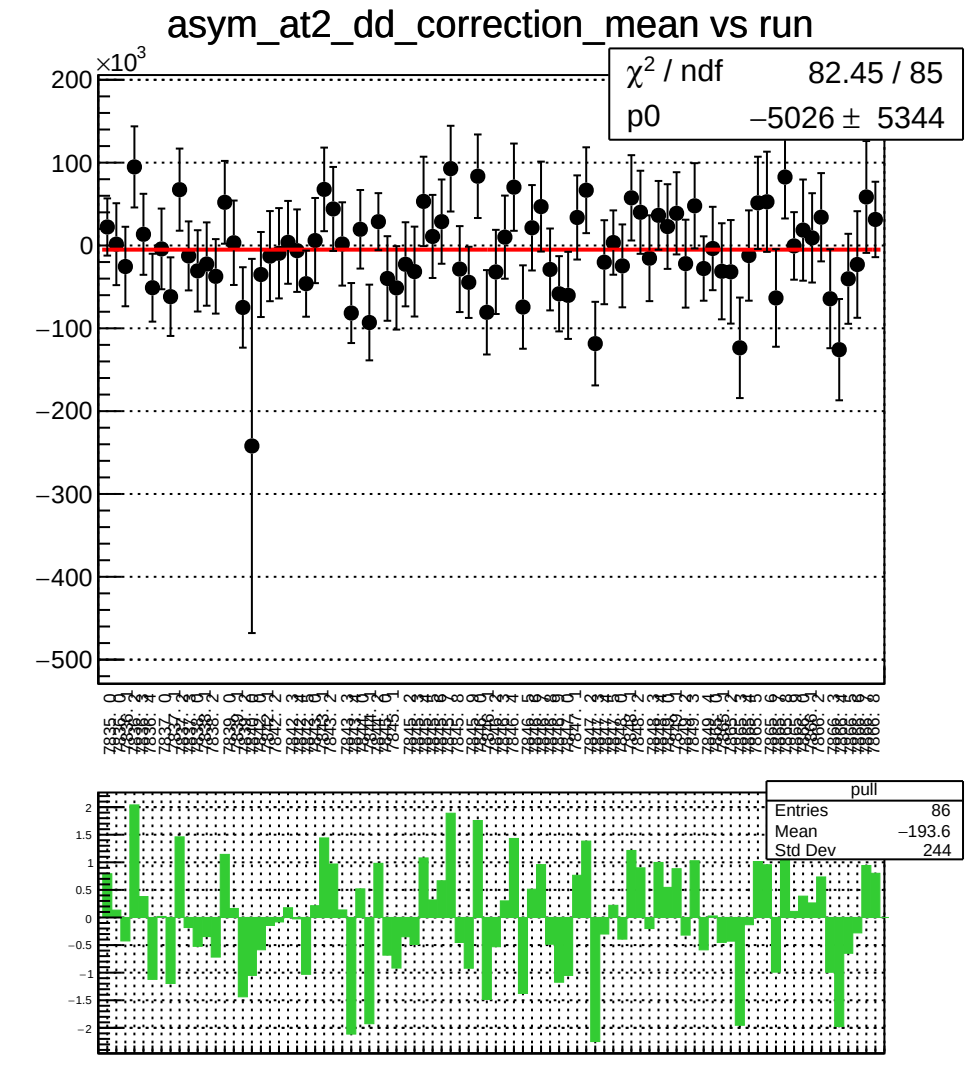

pull1D
Entries 86
Mean −0.01358
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

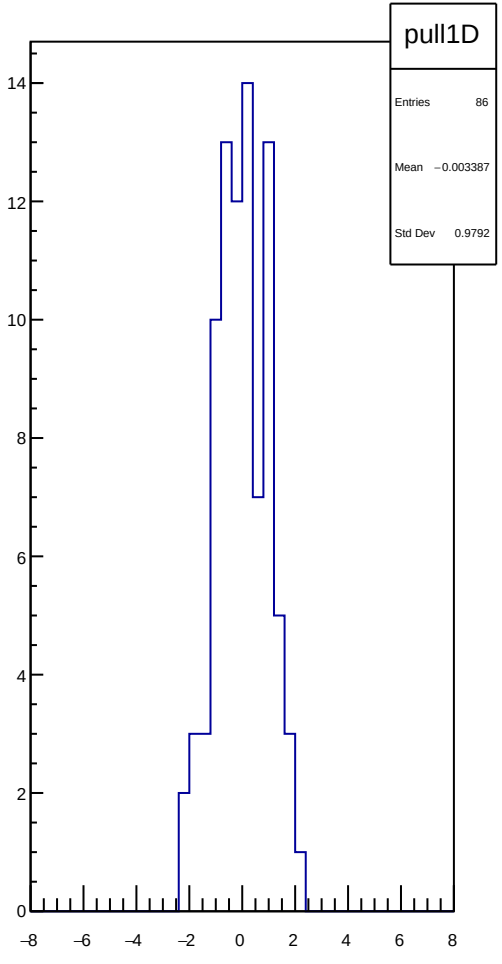

asym_at2_avg_rms vs run
χ² / ndf 2.542e+04 / 85
p0 1.405e+04 ± 10.92
24000
22000
20000
18000
16000
14000
12000

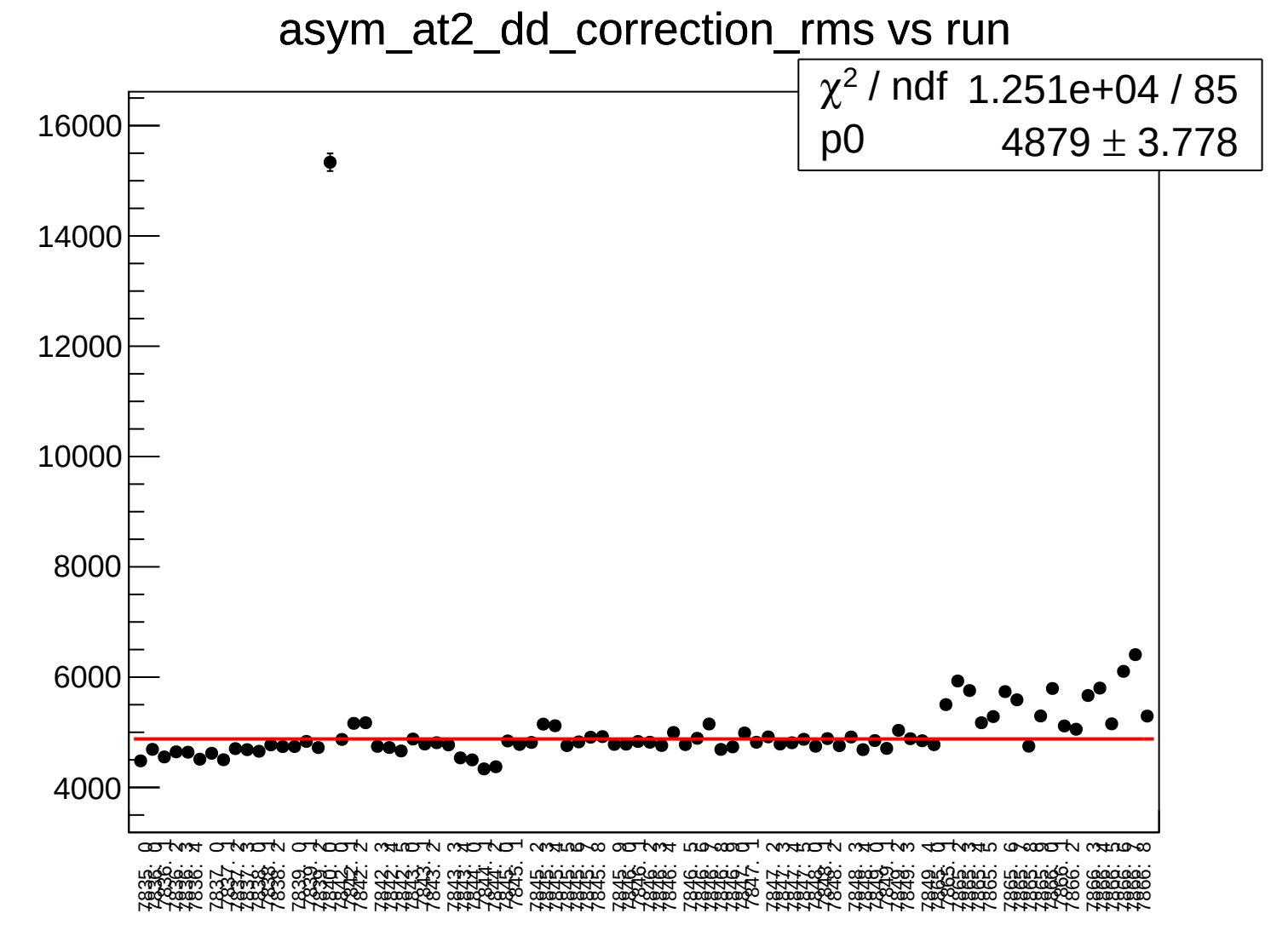

dit_asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 93.25 / 85
p0 −1464 ± 1976
50
0
−50
−100
−150
−200
−250
pull
Entries 86
Mean 59.61
Std Dev 60.25
2
1
0
−1
−2
−3

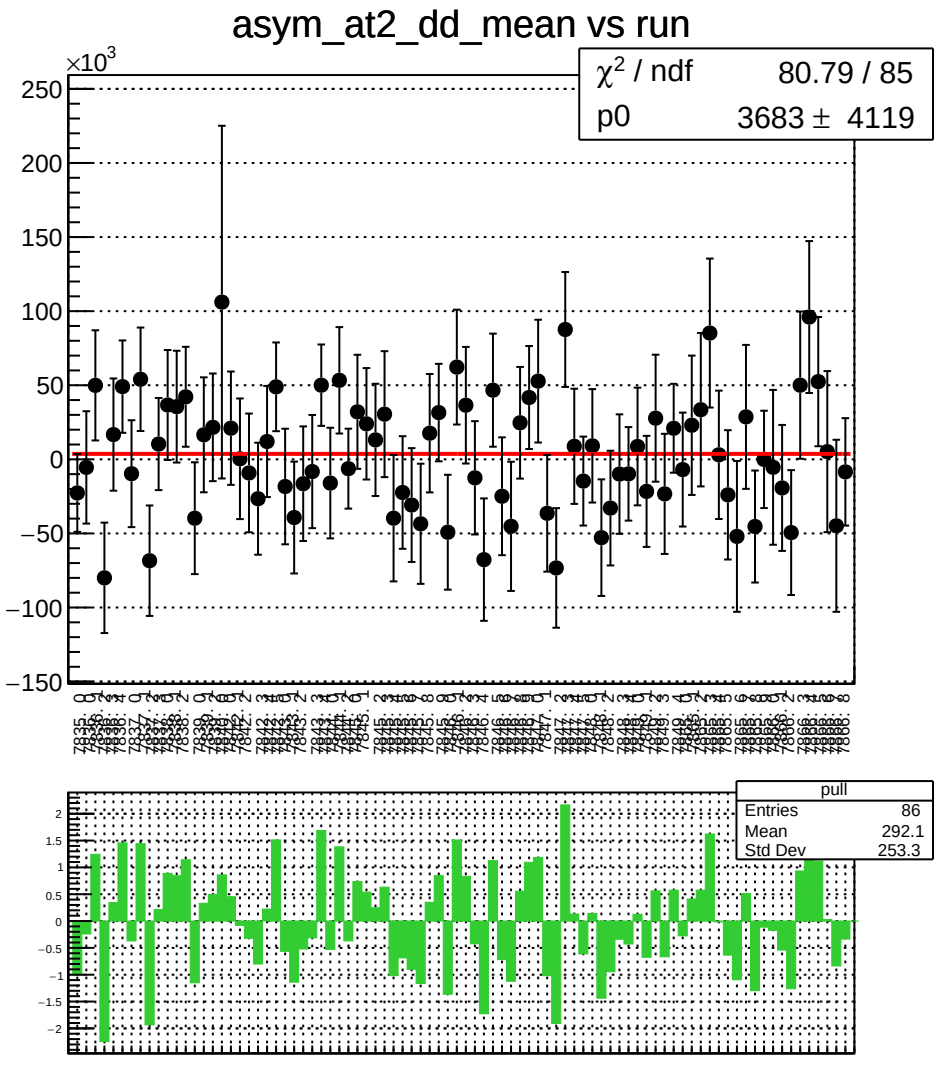

pull1D
Entries 86
Mean −0.01634
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

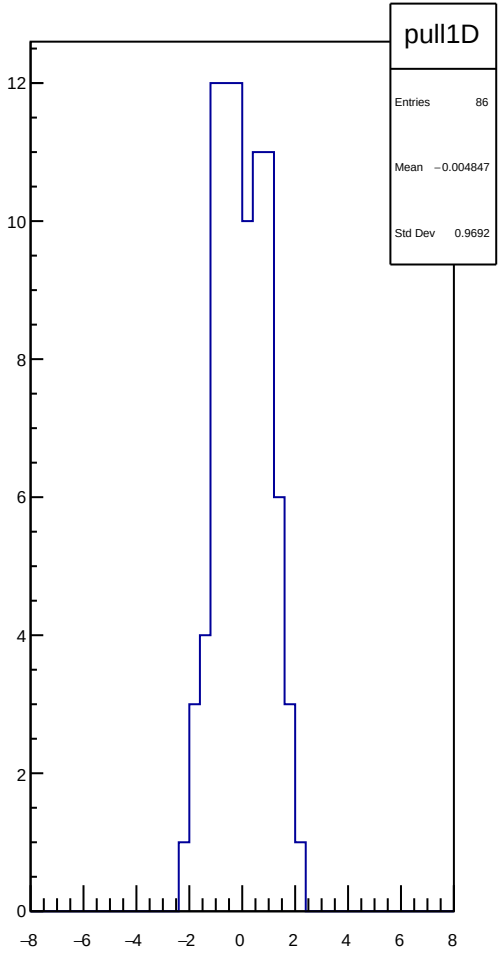

dit_asym_at2_dd_rms vs run
χ^2 / ndf 6032 / 85
p0 1807 ± 1.397
8000
7000
6000
5000
4000
3000
2000

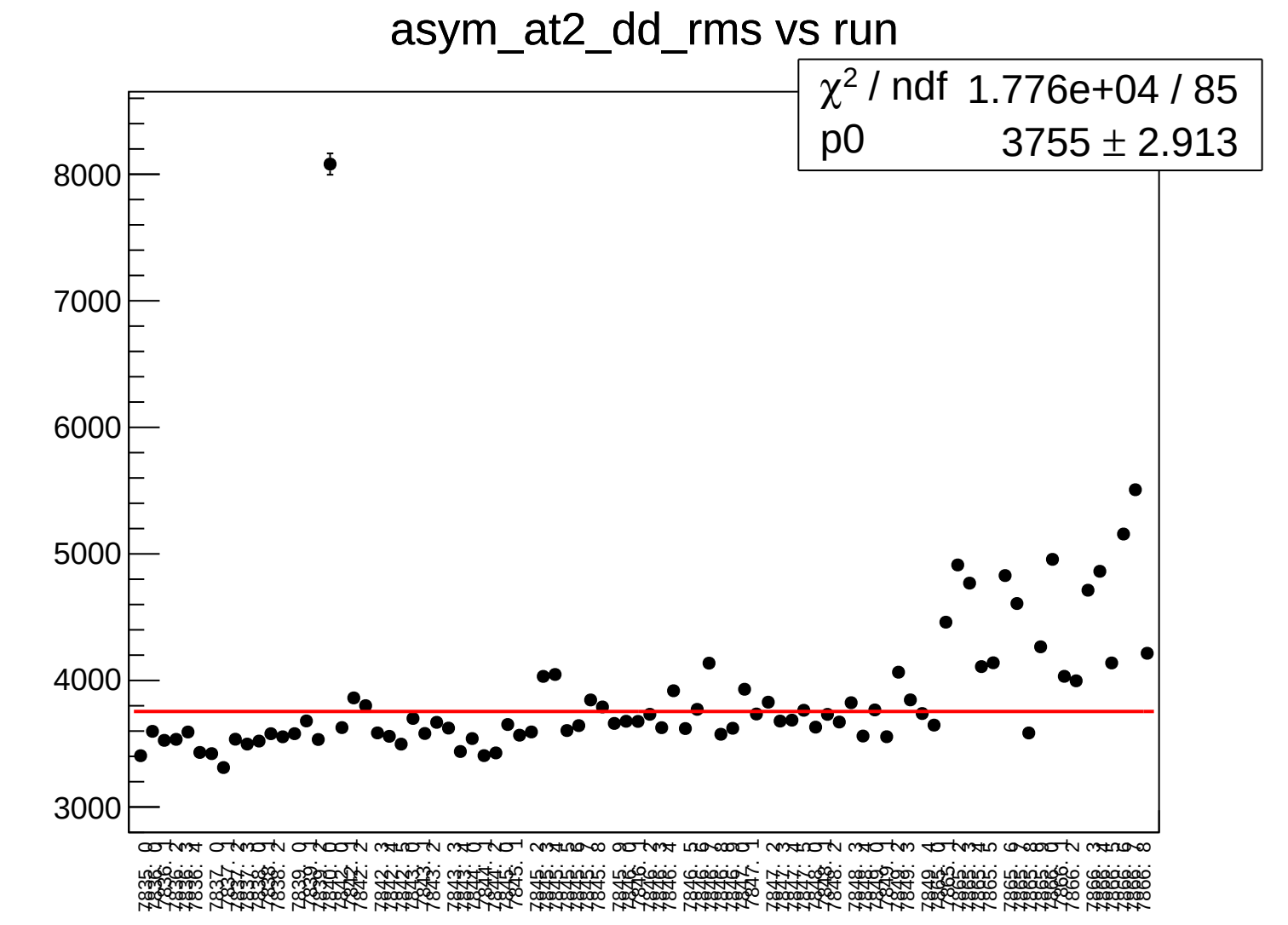

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 82.45 / 85
p0 −5026 ± 5344
pull
Entries 86
Mean −193.6
Std Dev 244

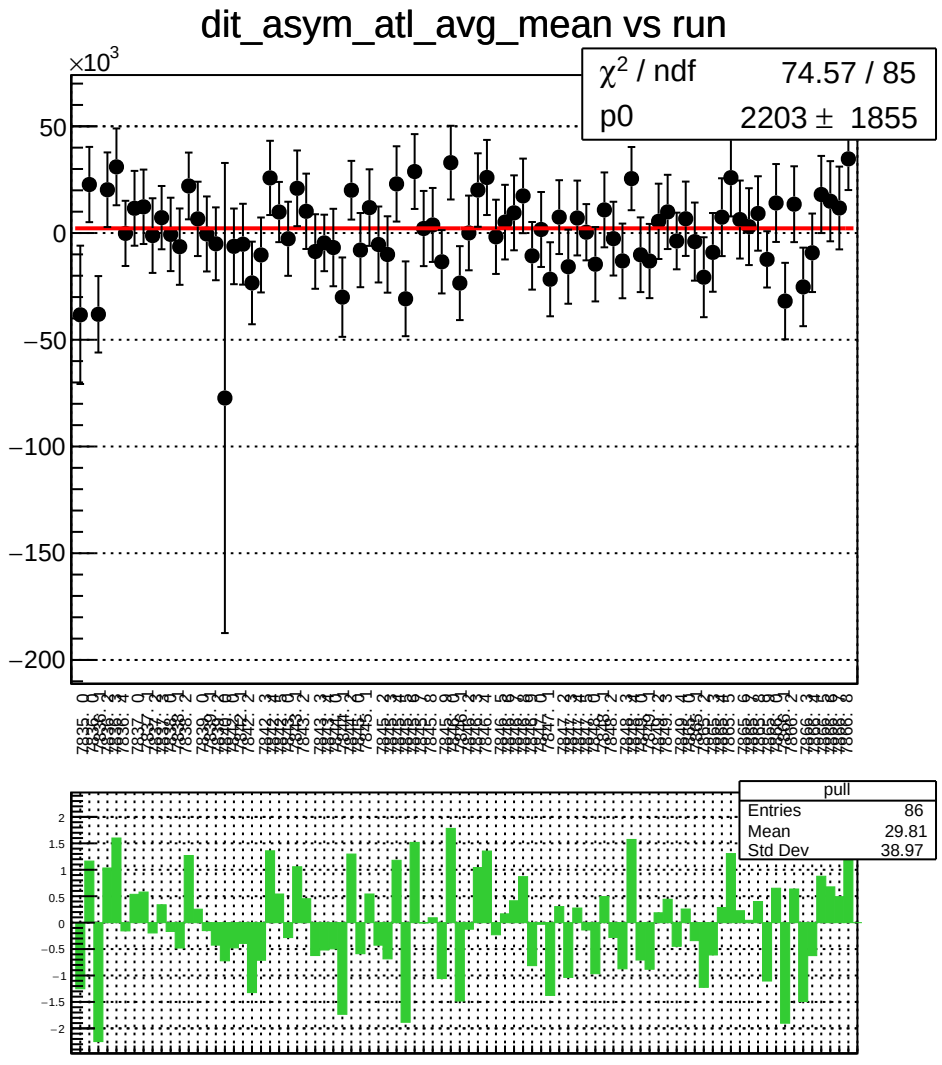

pull1D
Entries 86
Mean −0.003387
Std Dev 0.9792

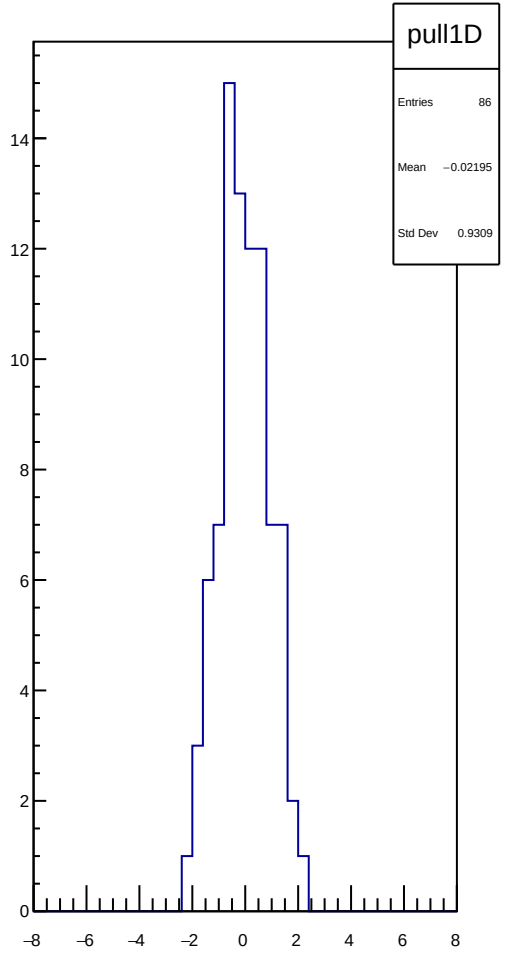

asym_at2_dd_correction_rms vs run
χ² / ndf 1.251e+04 / 85
p0 4879 ± 3.778
16000
14000
12000
10000
8000
6000
4000

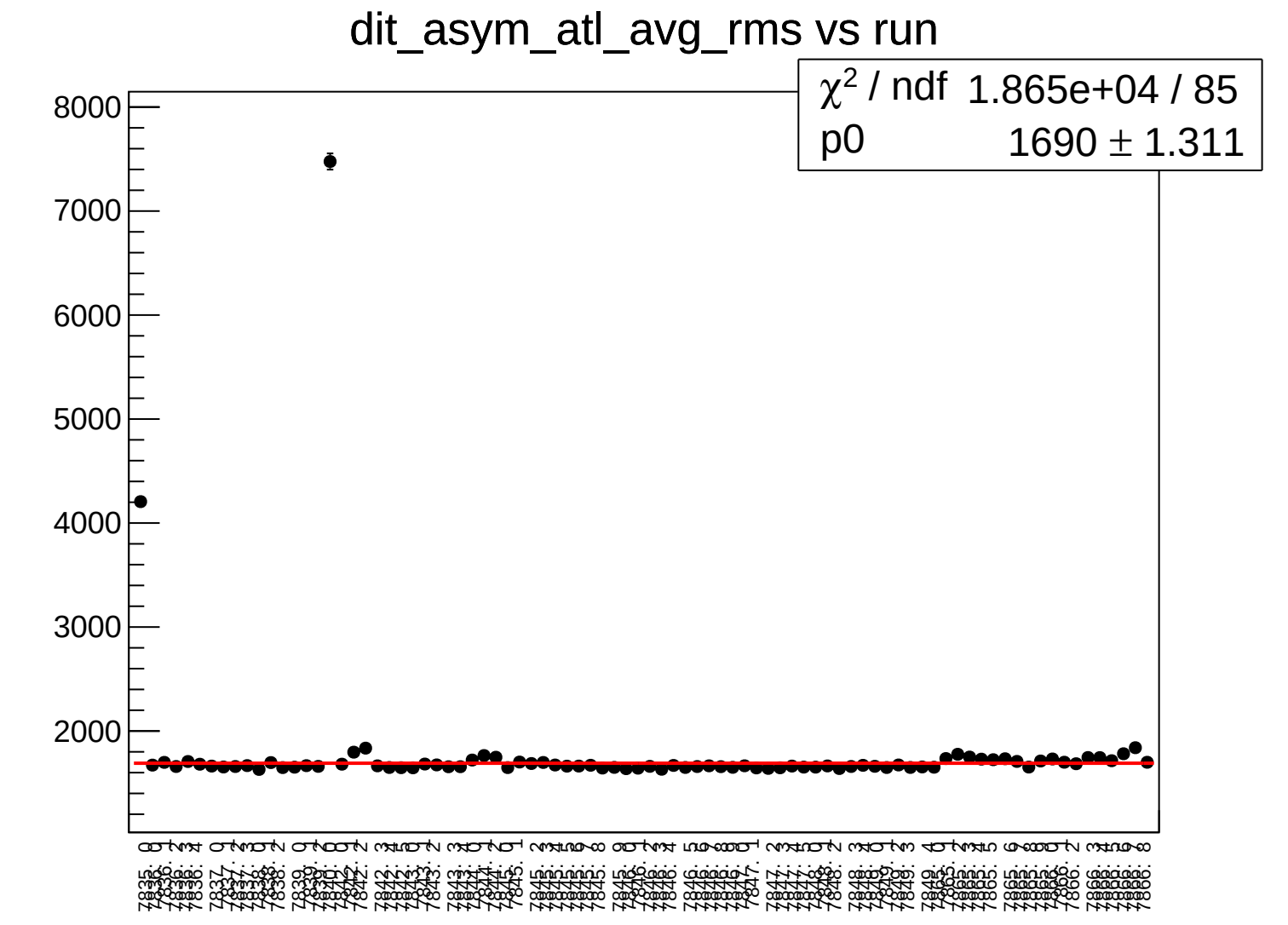

asym_at2_dd_mean vs run
×10^3
χ² / ndf 80.79 / 85
p0 3683 ± 4119
pull
Entries 86
Mean 292.1
Std Dev 253.3

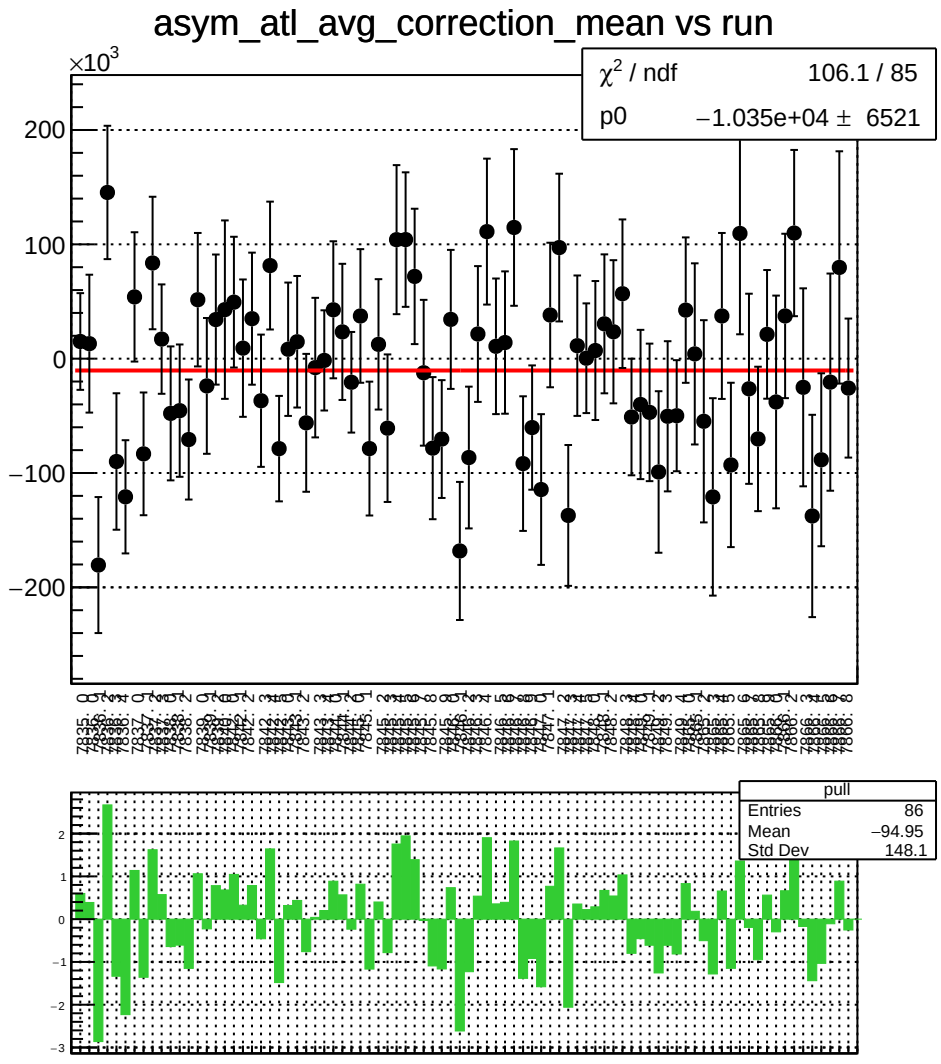

pull1D
Entries 86
Mean −0.004847
Std Dev 0.9692

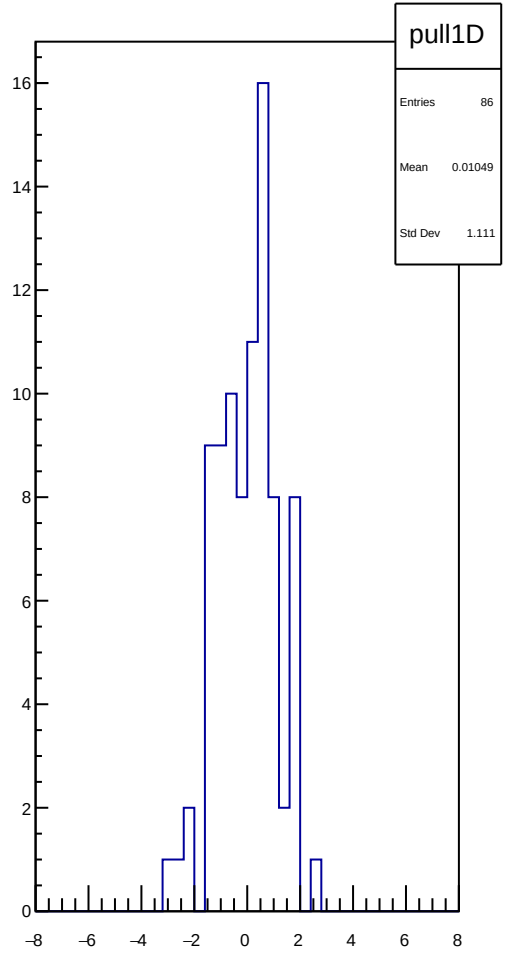

asym_at2_dd_rms vs run
χ² / ndf 1.776e+04 / 85
p0 3755 ± 2.913
8000
7000
6000
5000
4000
3000

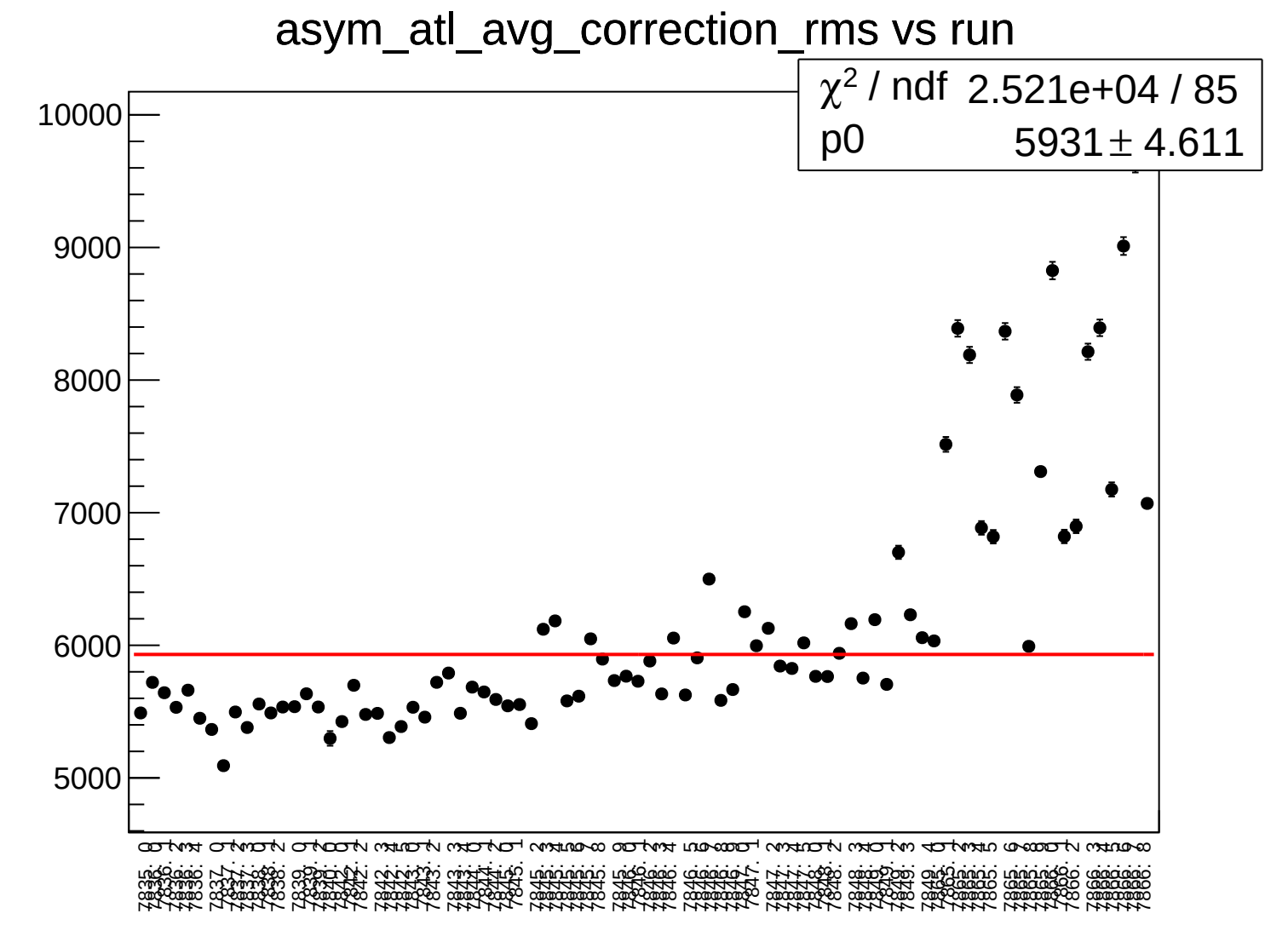

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 74.57 / 85
p0 2203 ± 1855
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 29.81
Std Dev 38.97
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

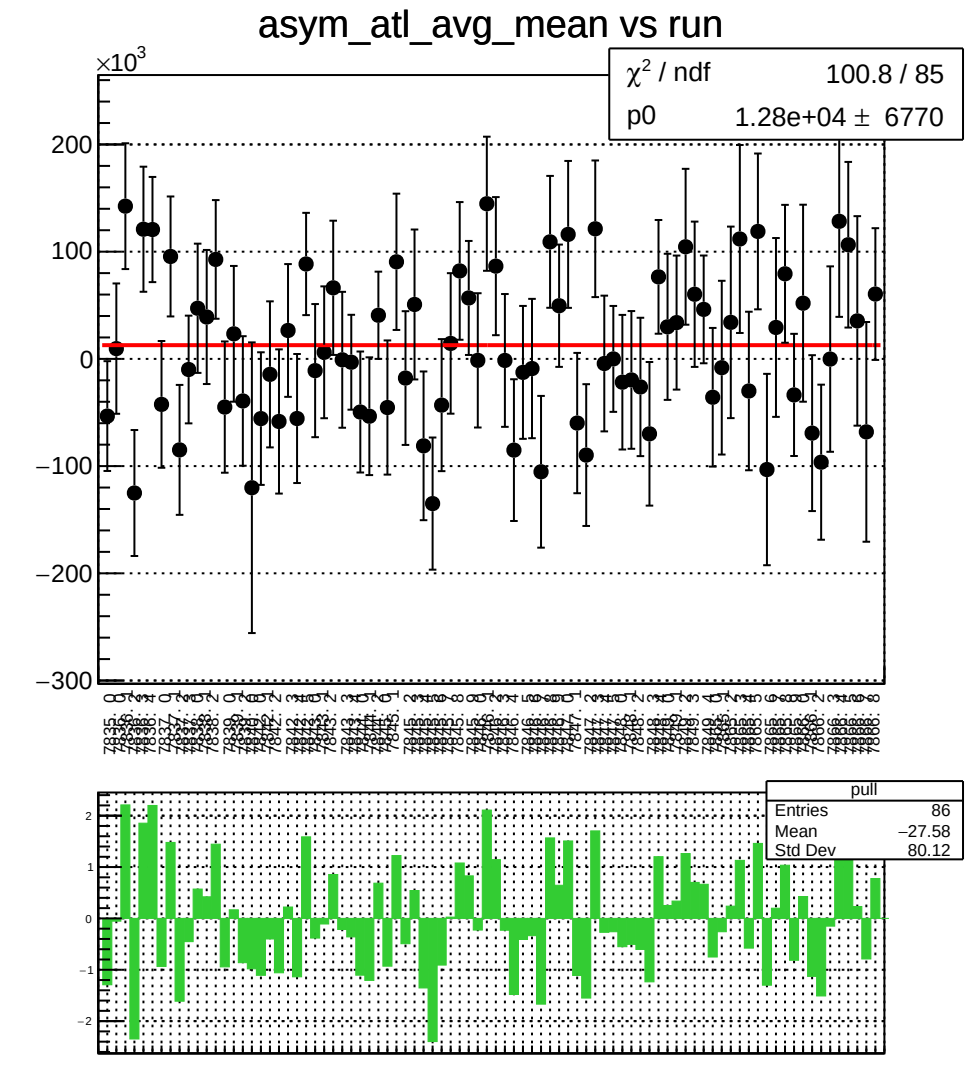

pull1D
Entries 86
Mean −0.02195
Std Dev 0.9309
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

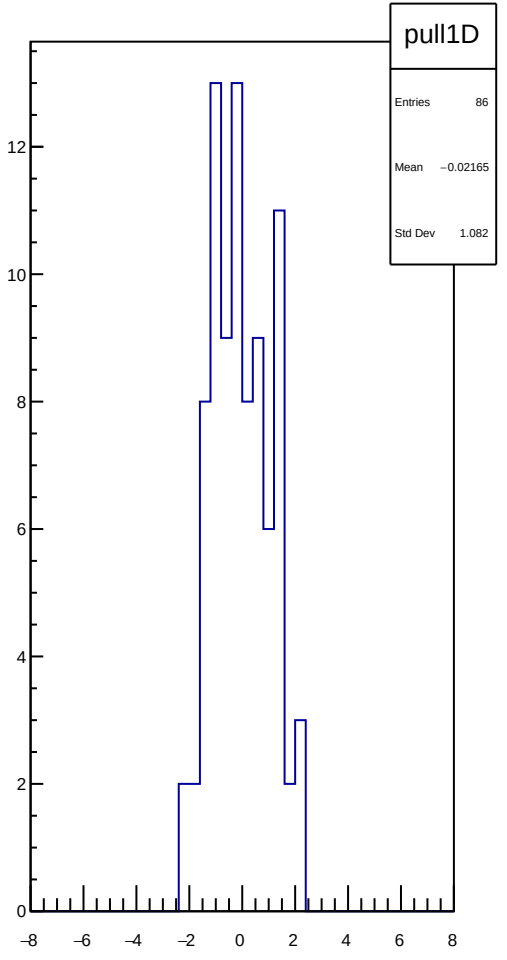

dit_asym_atl_avg_rms vs run
χ² / ndf 1.865e+04 / 85
p0 1690 ± 1.311
8000
7000
6000
5000
4000
3000
2000

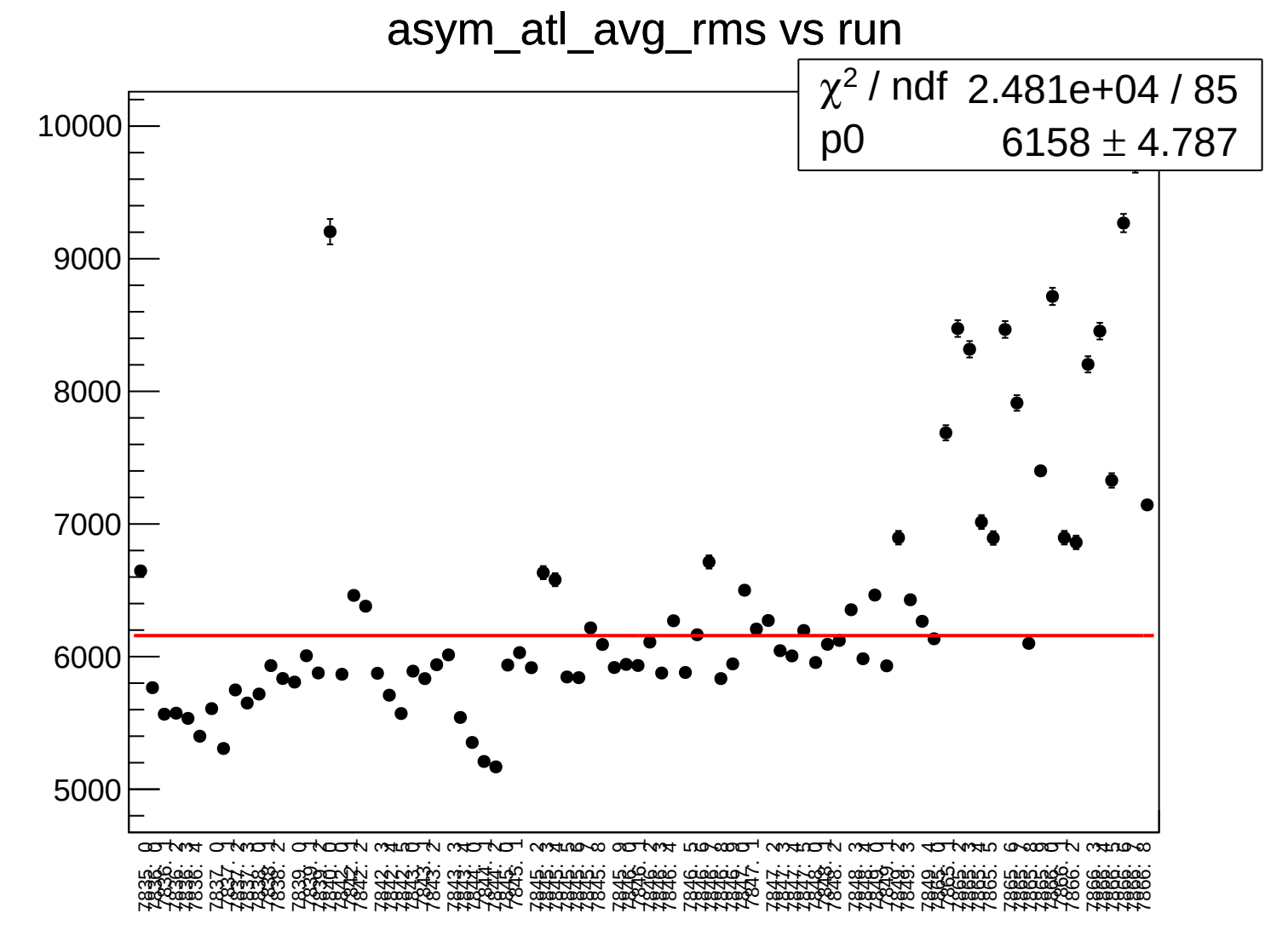

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 106.1 / 85
p0 −1.035e+04 ± 6521
200
100
0
−100
−200
pull
Entries 86
Mean −94.95
Std Dev 148.1
2
1
0
−1
−2
−3

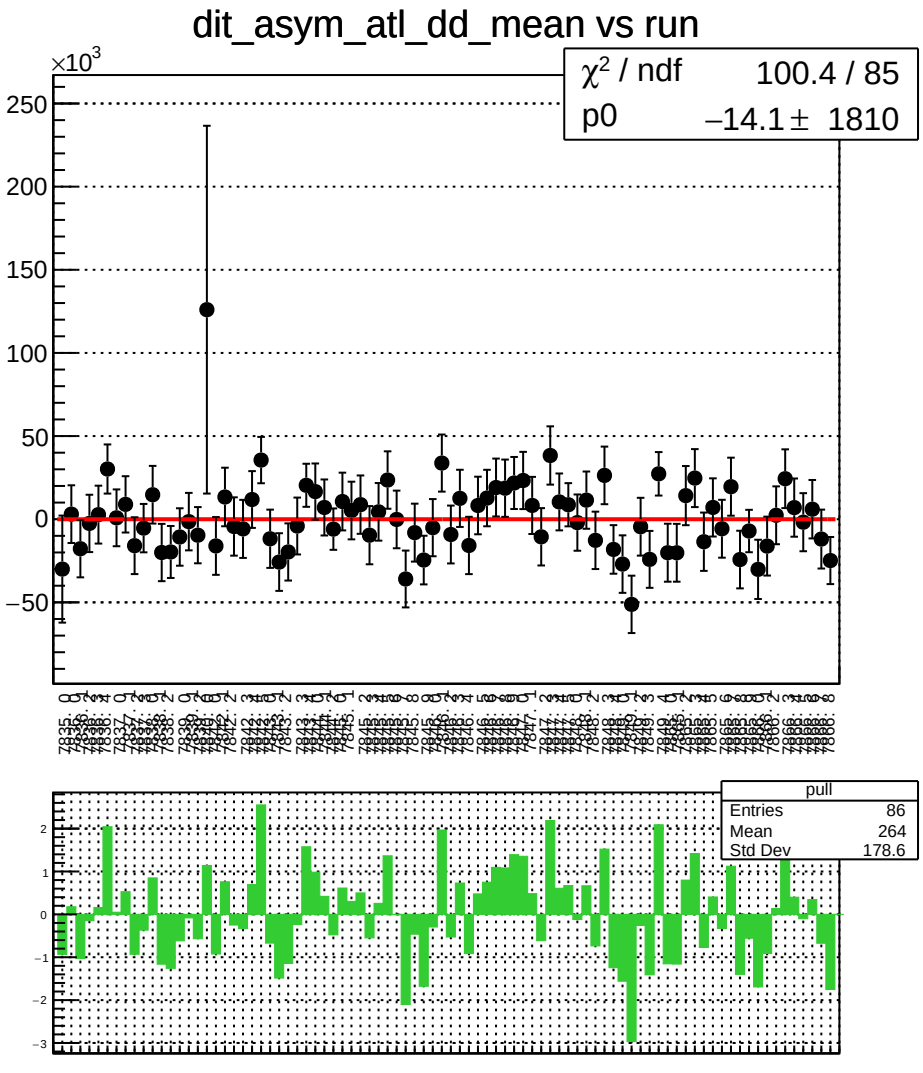

pull1D
Entries 86
Mean 0.01049
Std Dev 1.111
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

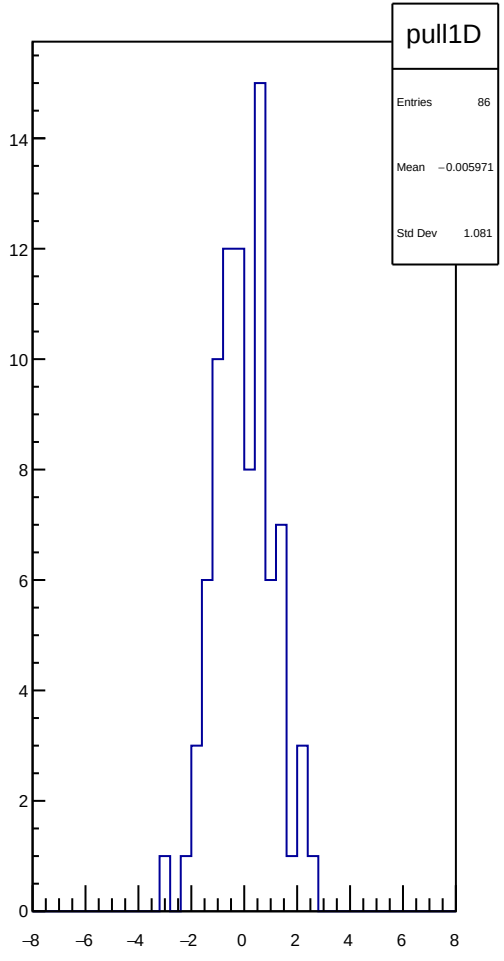

asym_atl_avg_correction_rms vs run
χ^2 / ndf 2.521e+04 / 85
p0 5931 ± 4.611
10000
9000
8000
7000
6000
5000

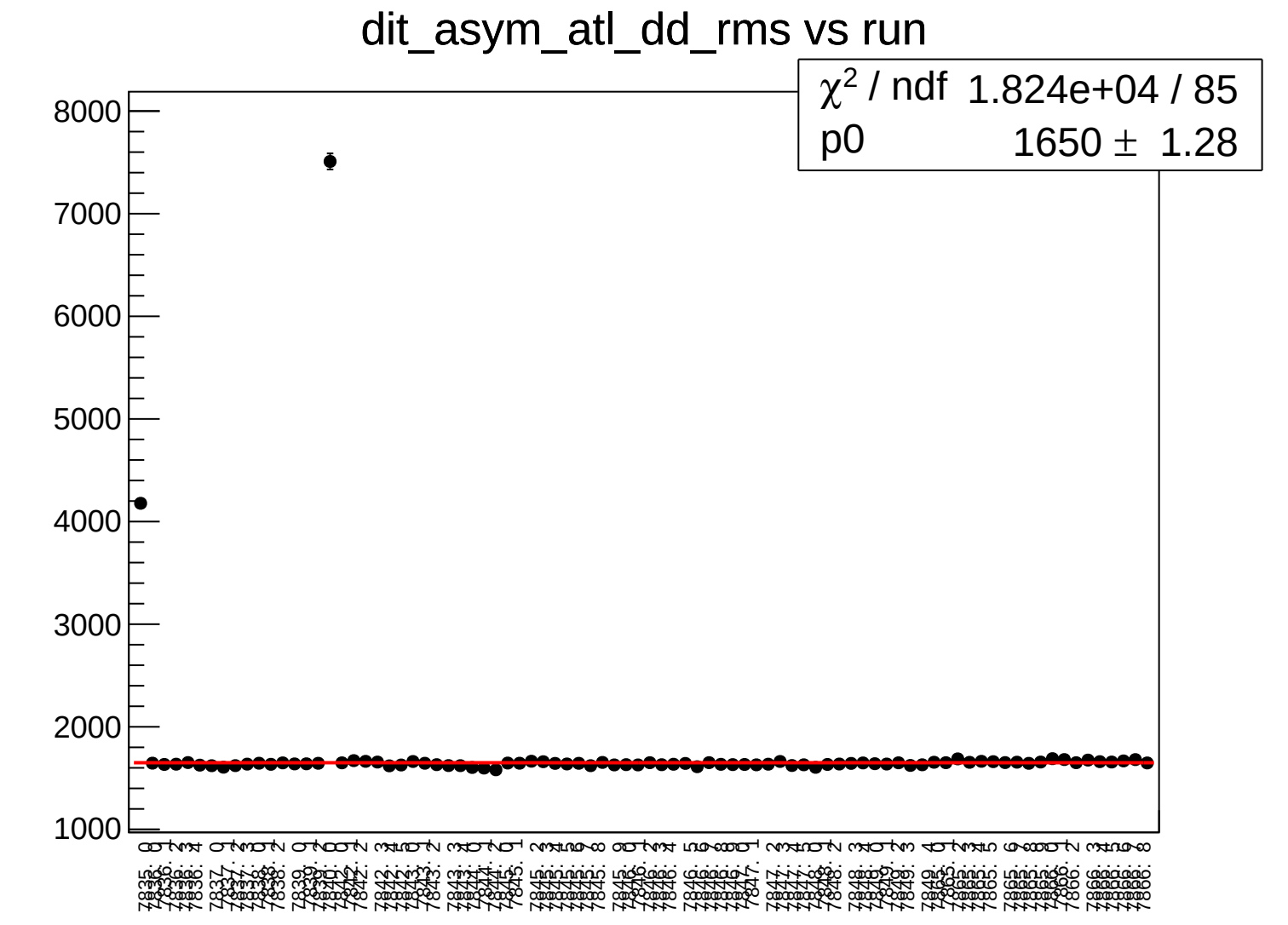

asym_atl_avg_mean vs run
×10^3
χ² / ndf 100.8 / 85
p0 1.28e+04 ± 6770
200
100
0
−100
−200
−300
pull
Entries 86
Mean −27.58
Std Dev 80.12
2
1
0
−1
−2

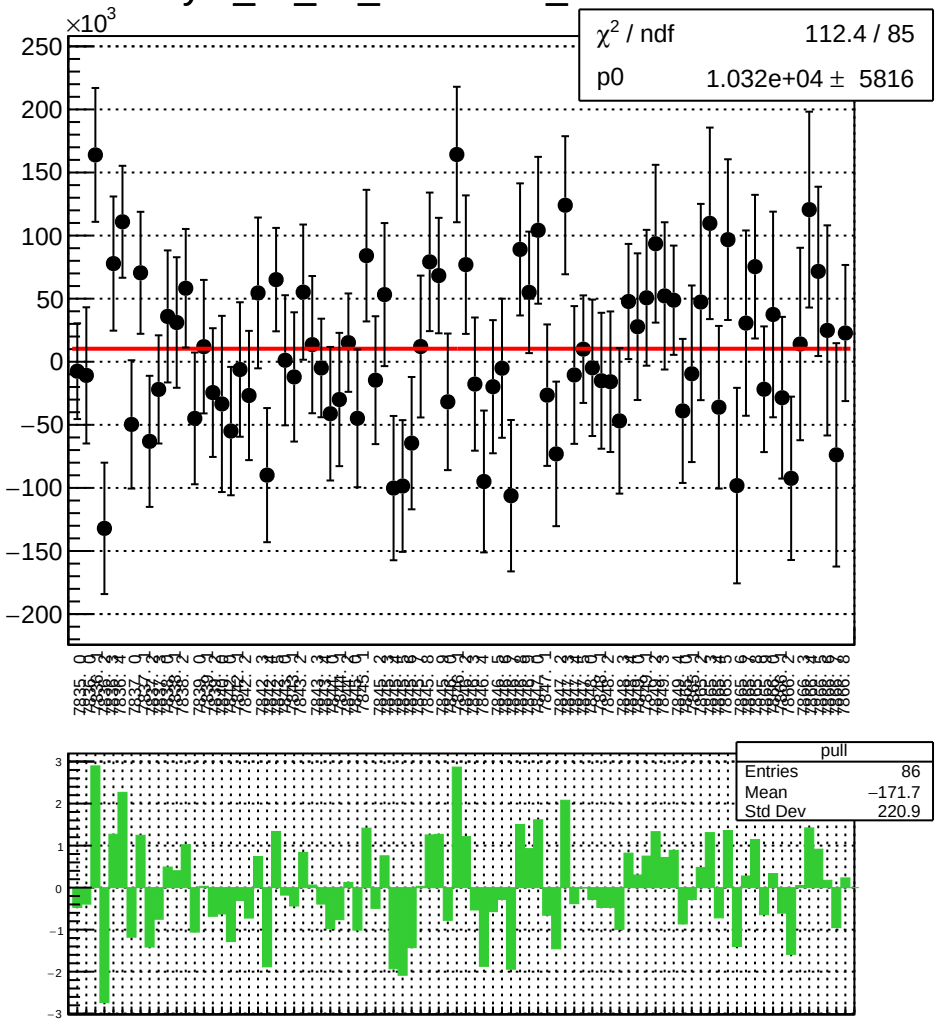

pull1D
Entries 86
Mean −0.02165
Std Dev 1.082
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

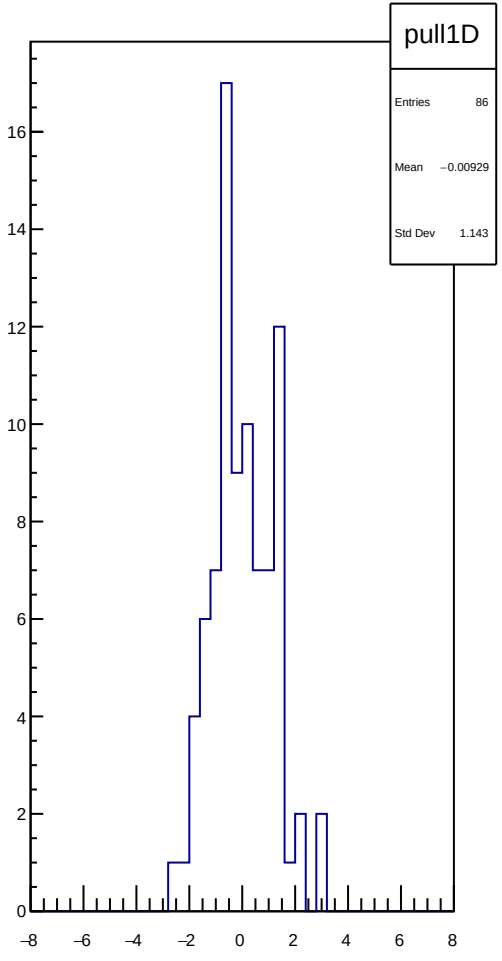

asym_atl_avg_rms vs run
χ² / ndf 2.481e+04 / 85
p0 6158 ± 4.787
10000
9000
8000
7000
6000
5000

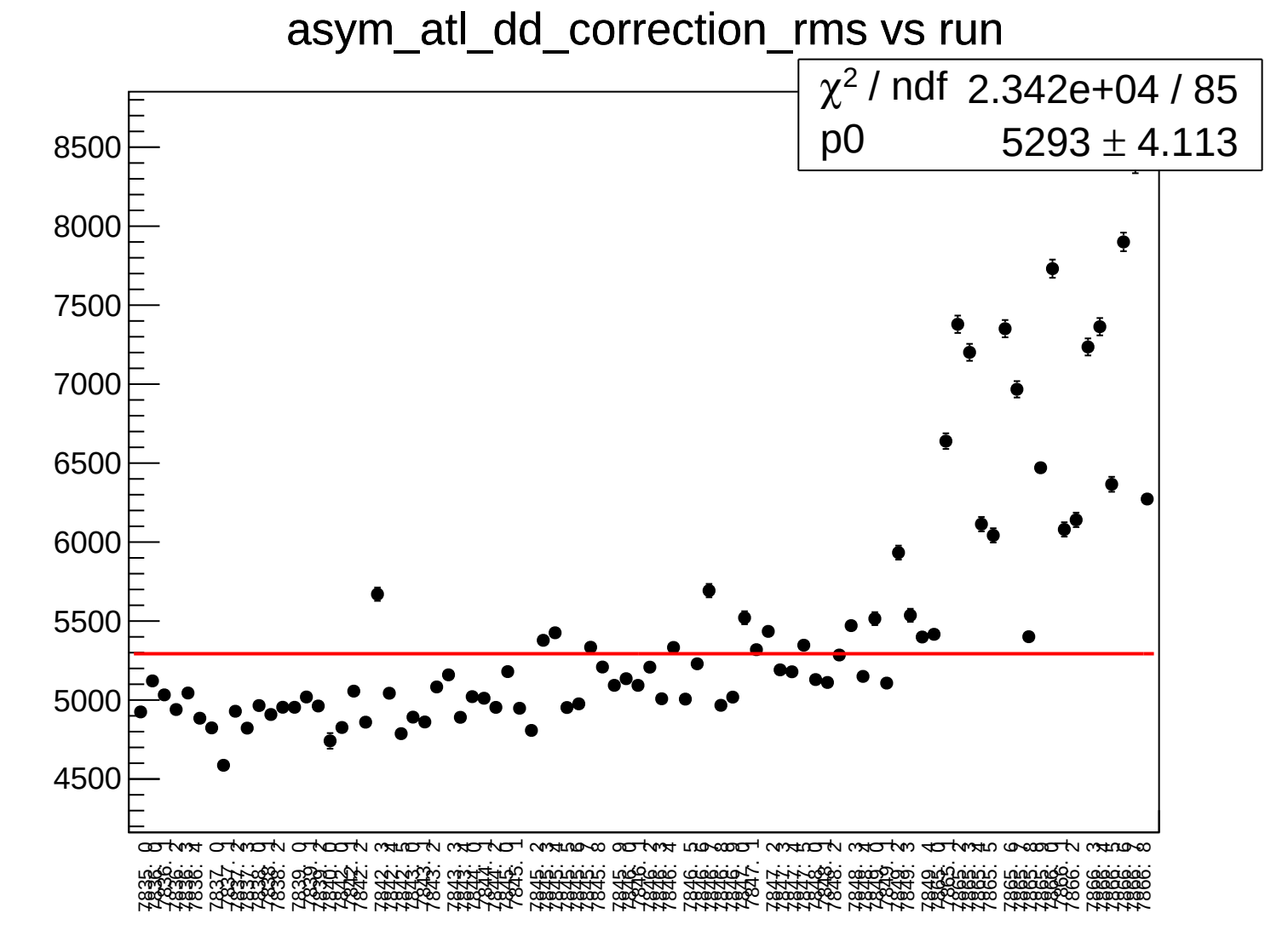

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 100.4 / 85
p0 −14.1 ± 1810
250
200
150
100
50
0
−50
pull
Entries 86
Mean 264
Std Dev 178.6
2
1
0
−1
−2
−3

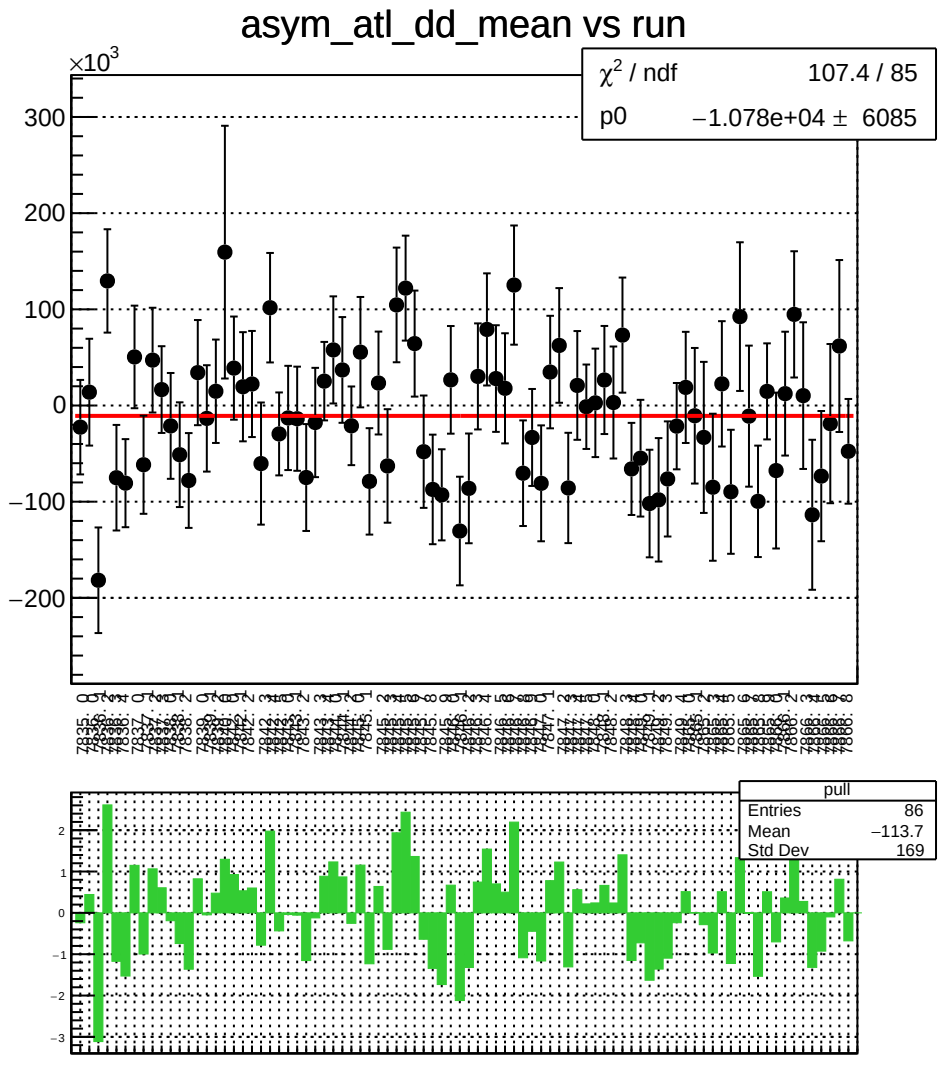

pull1D
Entries 86
Mean −0.005971
Std Dev 1.081
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

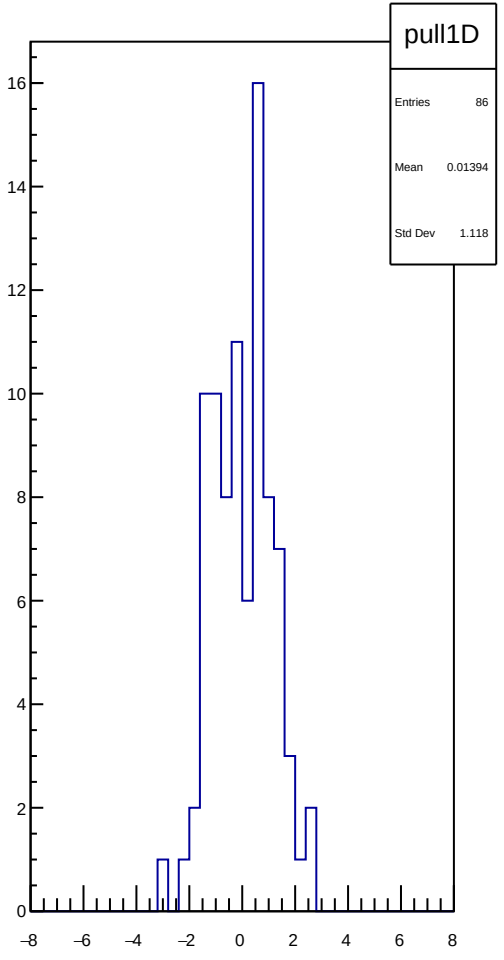

dit_asym_atl_dd_rms vs run
χ² / ndf 1.824e+04 / 85
p0 1650 ± 1.28
8000
7000
6000
5000
4000
3000
2000
1000

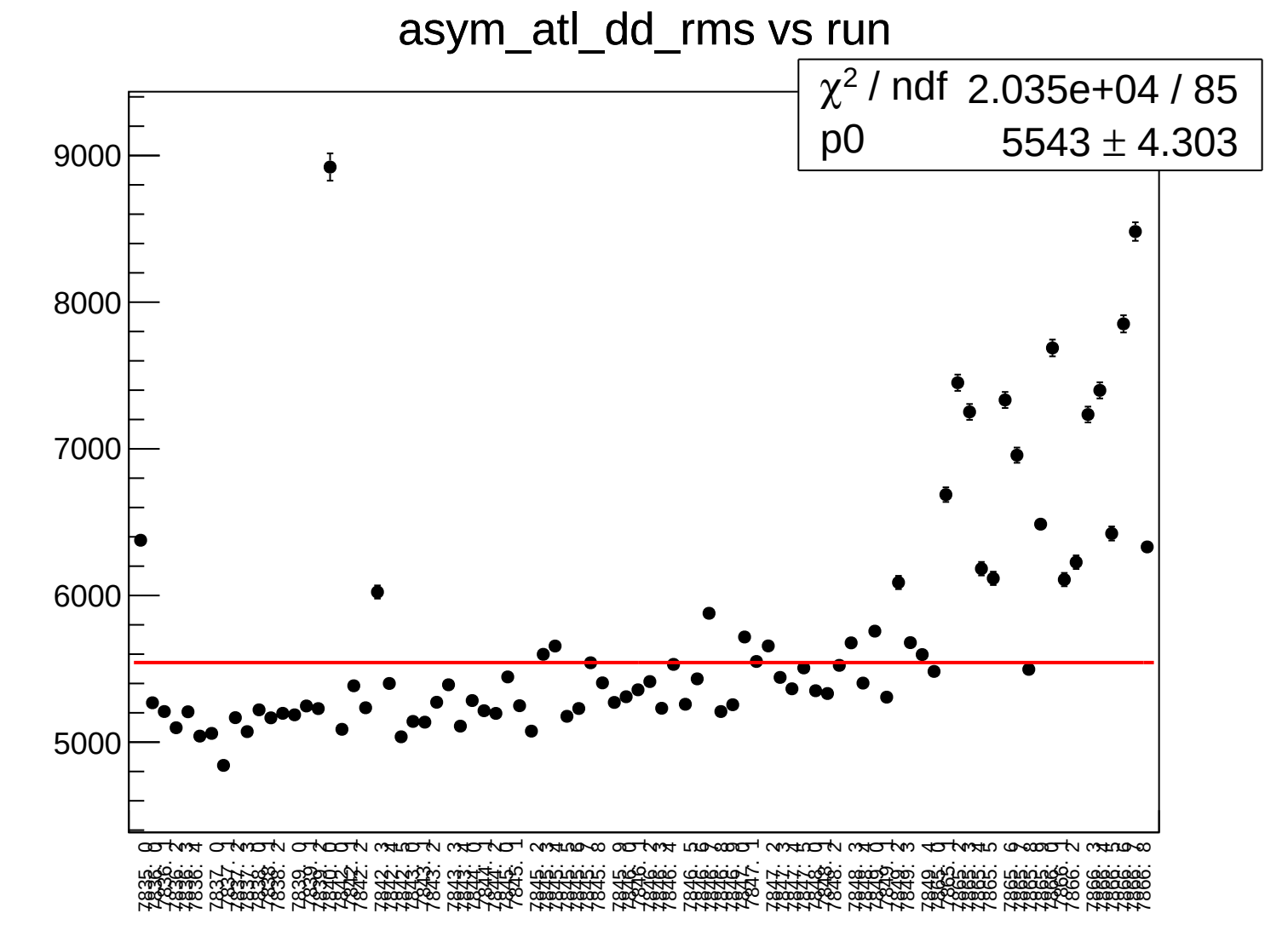

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 112.4 / 85
p0 1.032e+04 ± 5816
pull
Entries 86
Mean −171.7
Std Dev 220.9

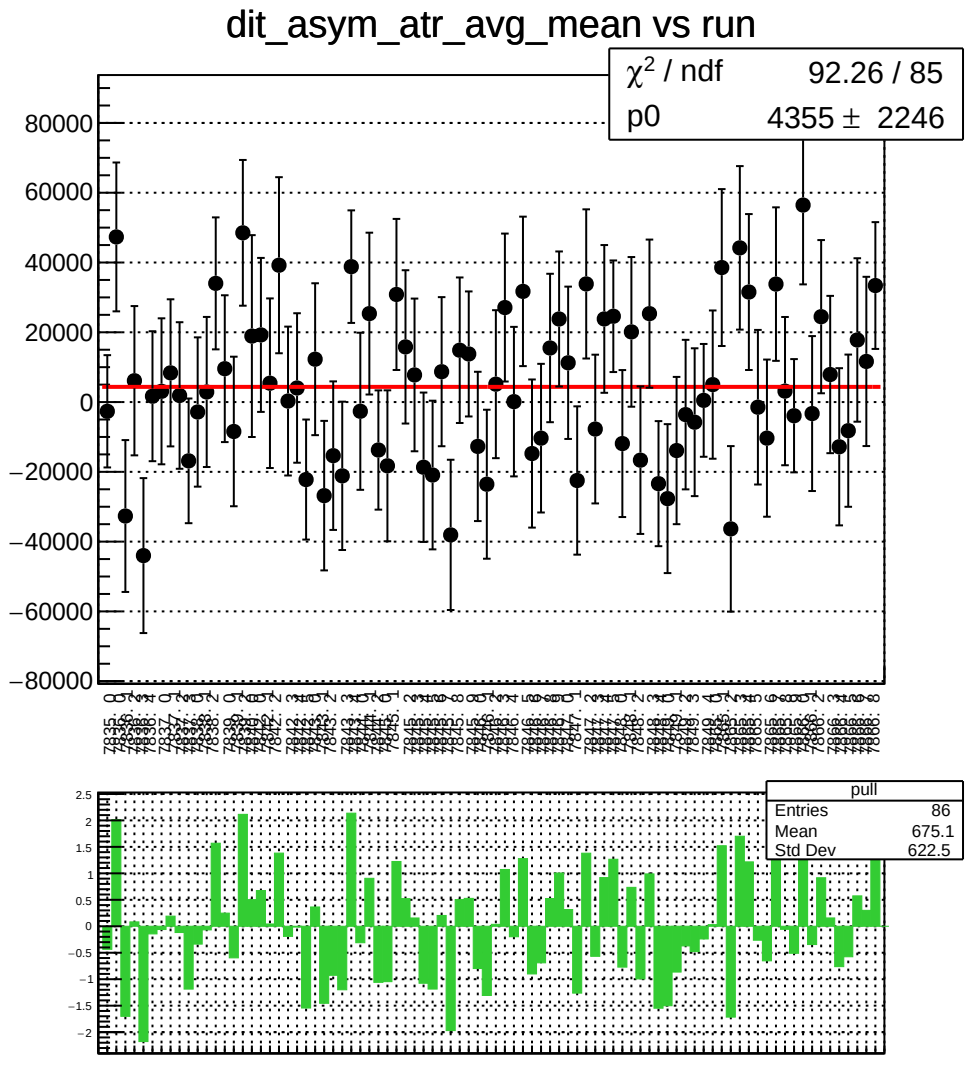

pull1D
Entries 86
Mean −0.00929
Std Dev 1.143

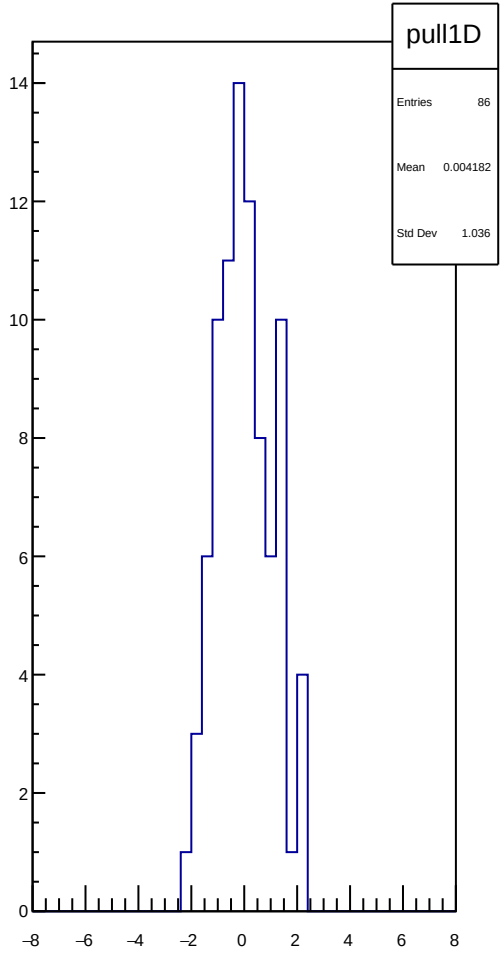

asym_atl_dd_correction_rms vs run
χ² / ndf 2.342e+04 / 85
p0 5293 ± 4.113
8500
8000
7500
7000
6500
6000
5500
5000
4500

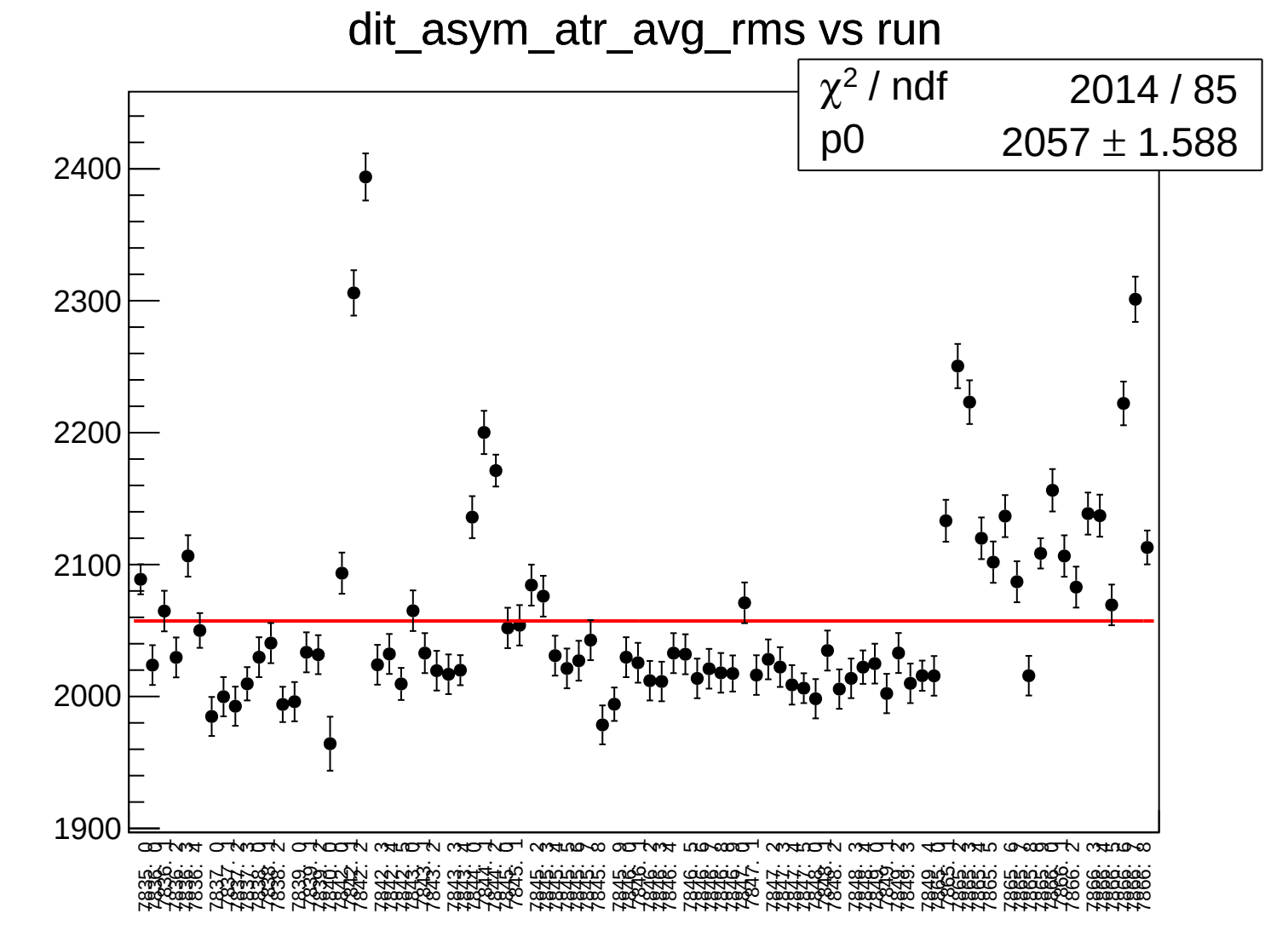

asym_atl_dd_mean vs run
×10^3
χ² / ndf 107.4 / 85
p0 −1.078e+04 ± 6085
pull
Entries 86
Mean −113.7
Std Dev 169

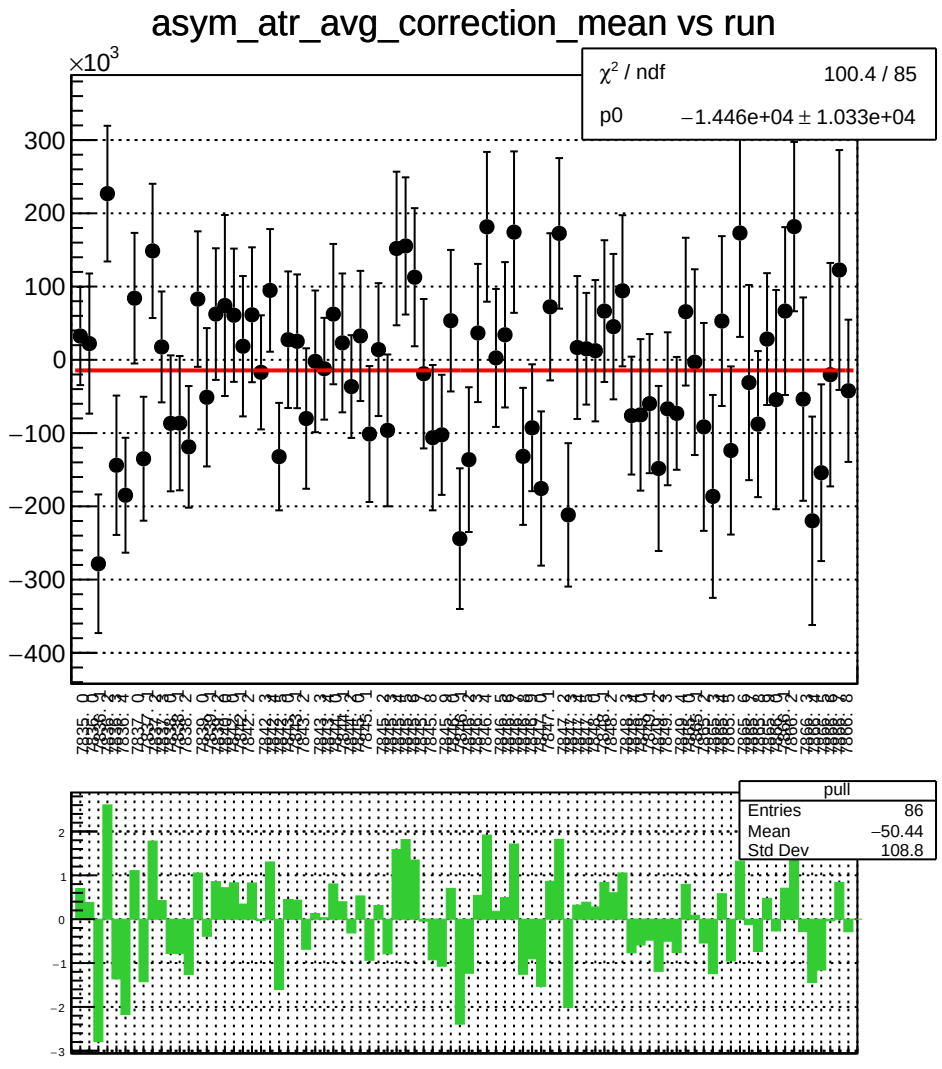

pull1D
Entries 86
Mean 0.01394
Std Dev 1.118

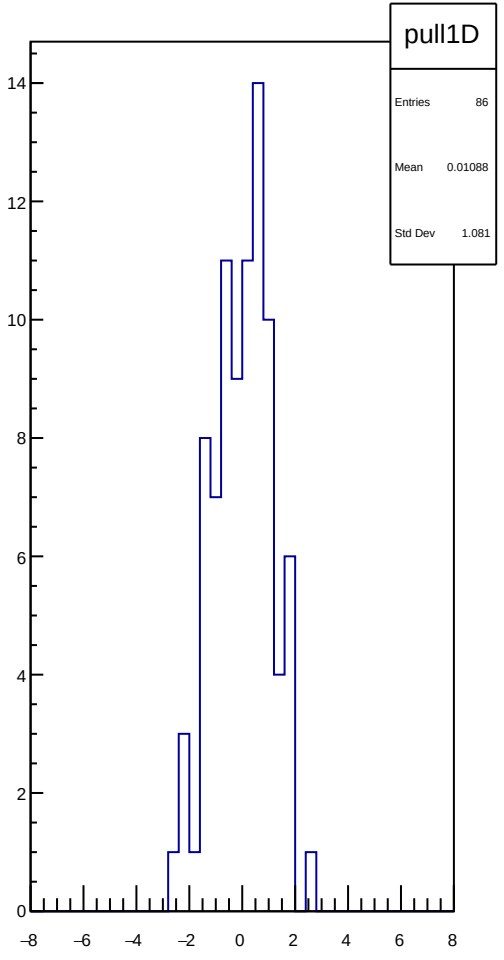

asym_atl_dd_rms vs run
χ^2 / ndf 2.035e+04 / 85
p0 5543 ± 4.303
9000
8000
7000
6000
5000

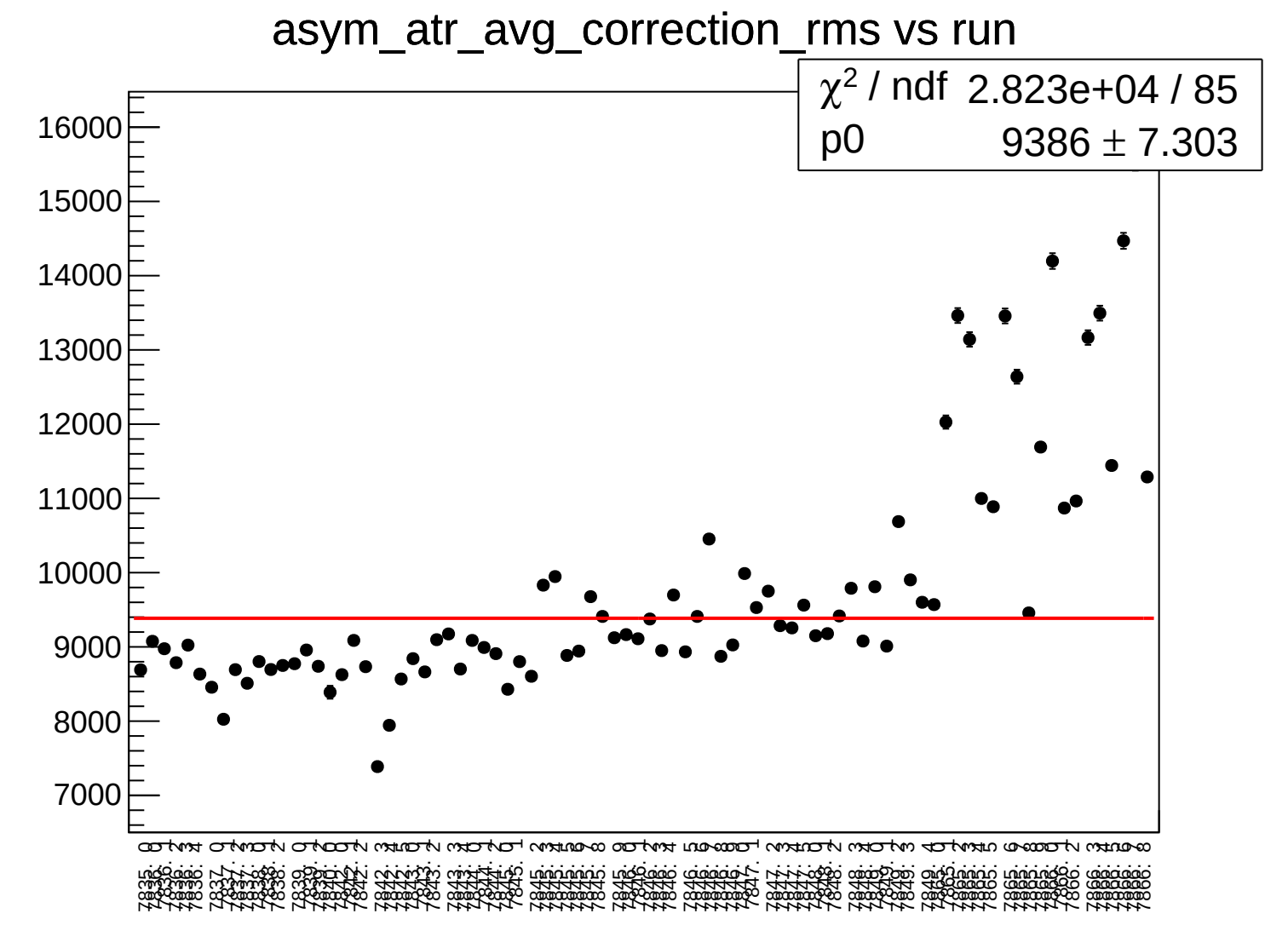

dit_asym_atr_avg_mean vs run
χ² / ndf 92.26 / 85
p0 4355 ± 2246
pull
Entries 86
Mean 675.1
Std Dev 622.5

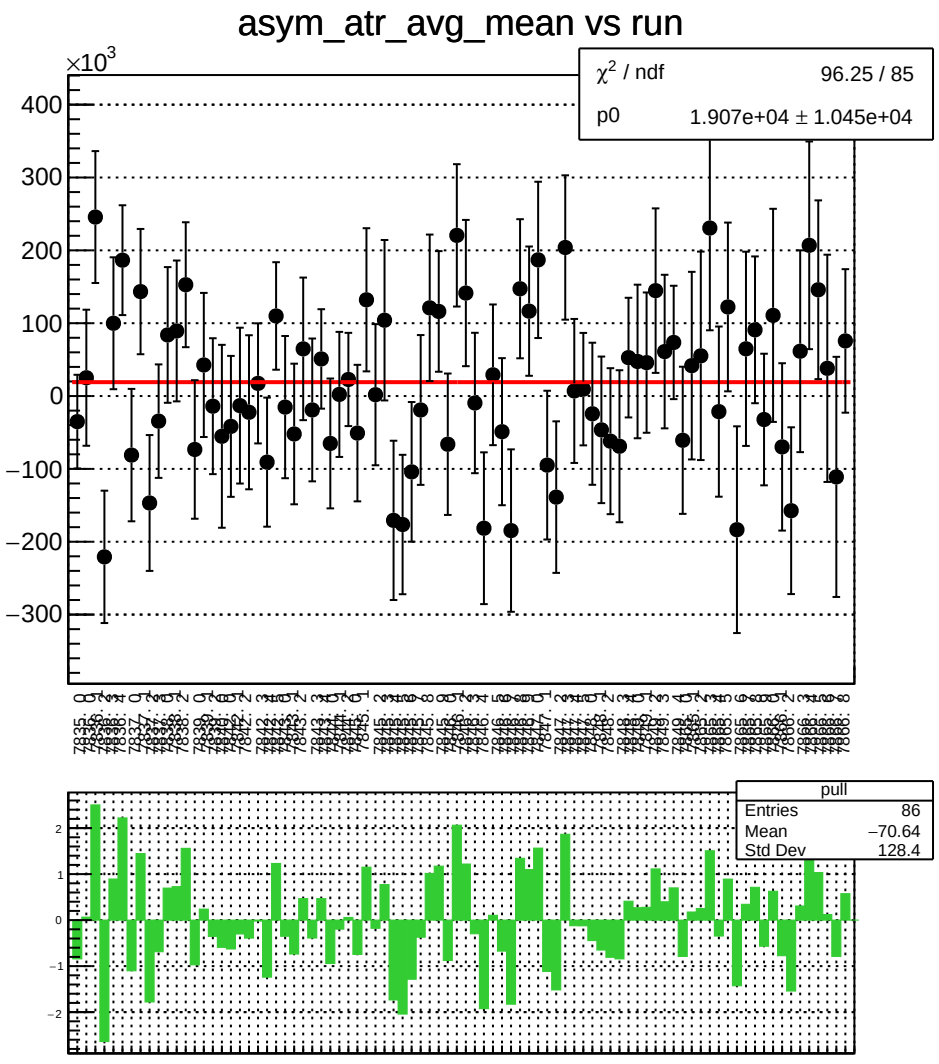

pull1D
Entries 86
Mean 0.004182
Std Dev 1.036

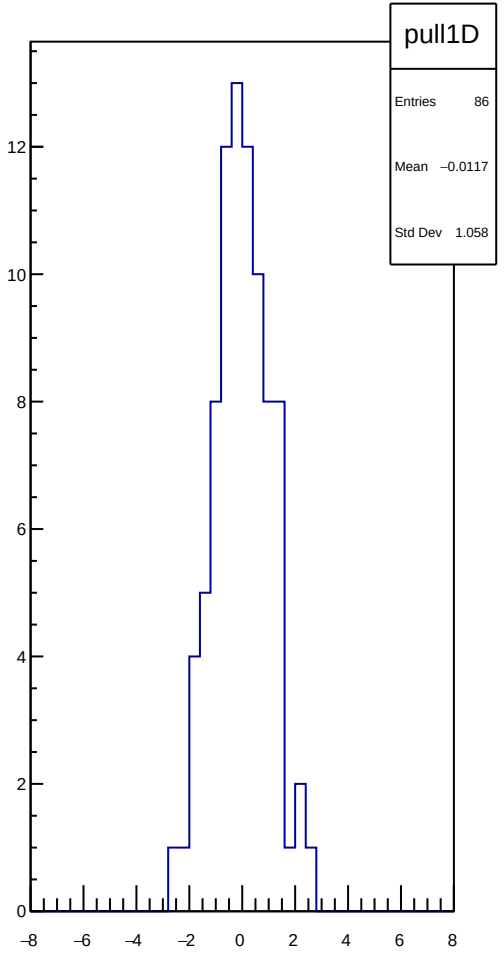

dit_asym_atr_avg_rms vs run
χ² / ndf 2014 / 85
p0 2057 ± 1.588
2400
2300
2200
2100
2000
1900

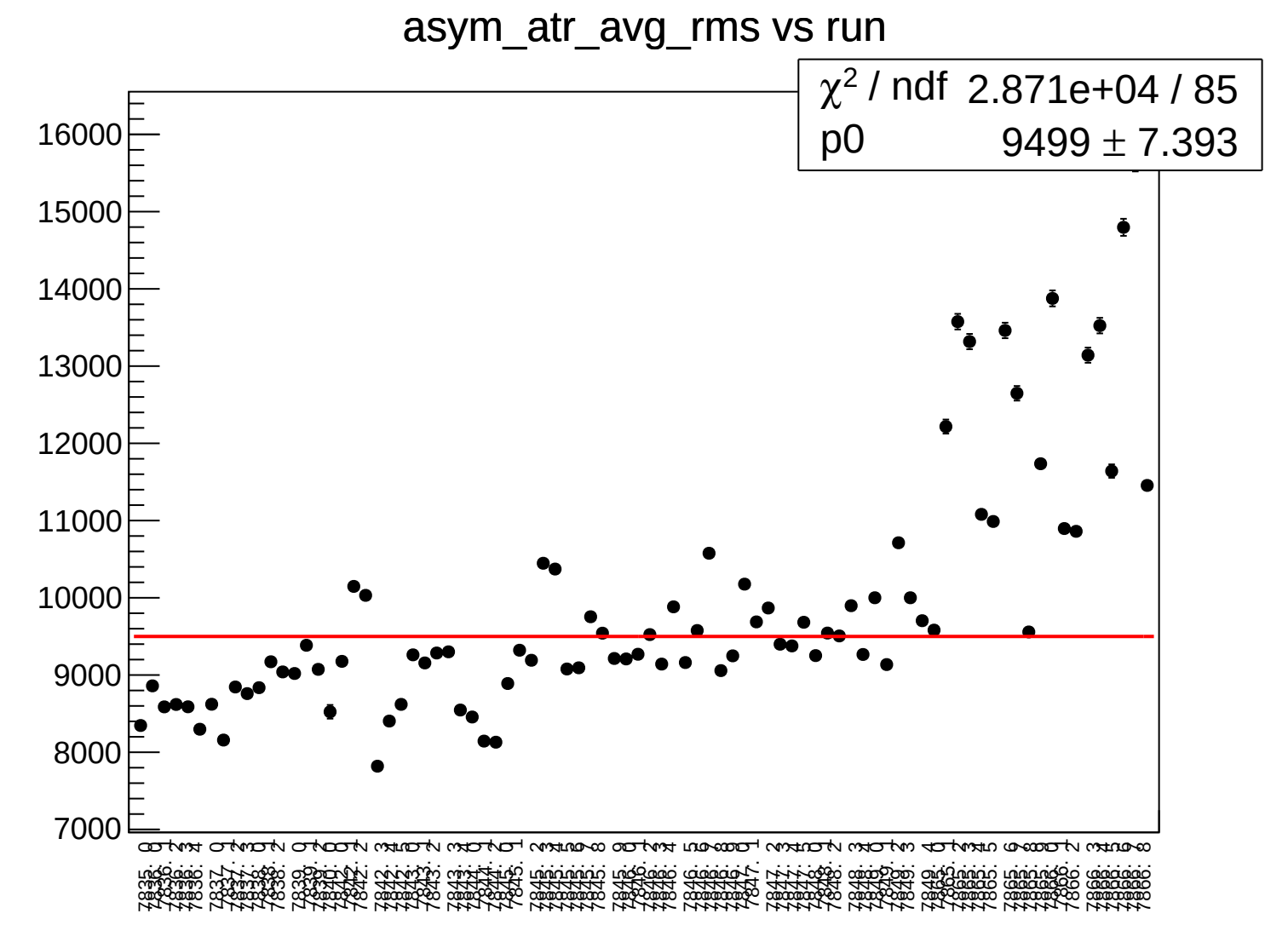

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 100.4 / 85
p0 −1.446e+04 ± 1.033e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 86
Mean −50.44
Std Dev 108.8
2
1
0
−1
−2
−3

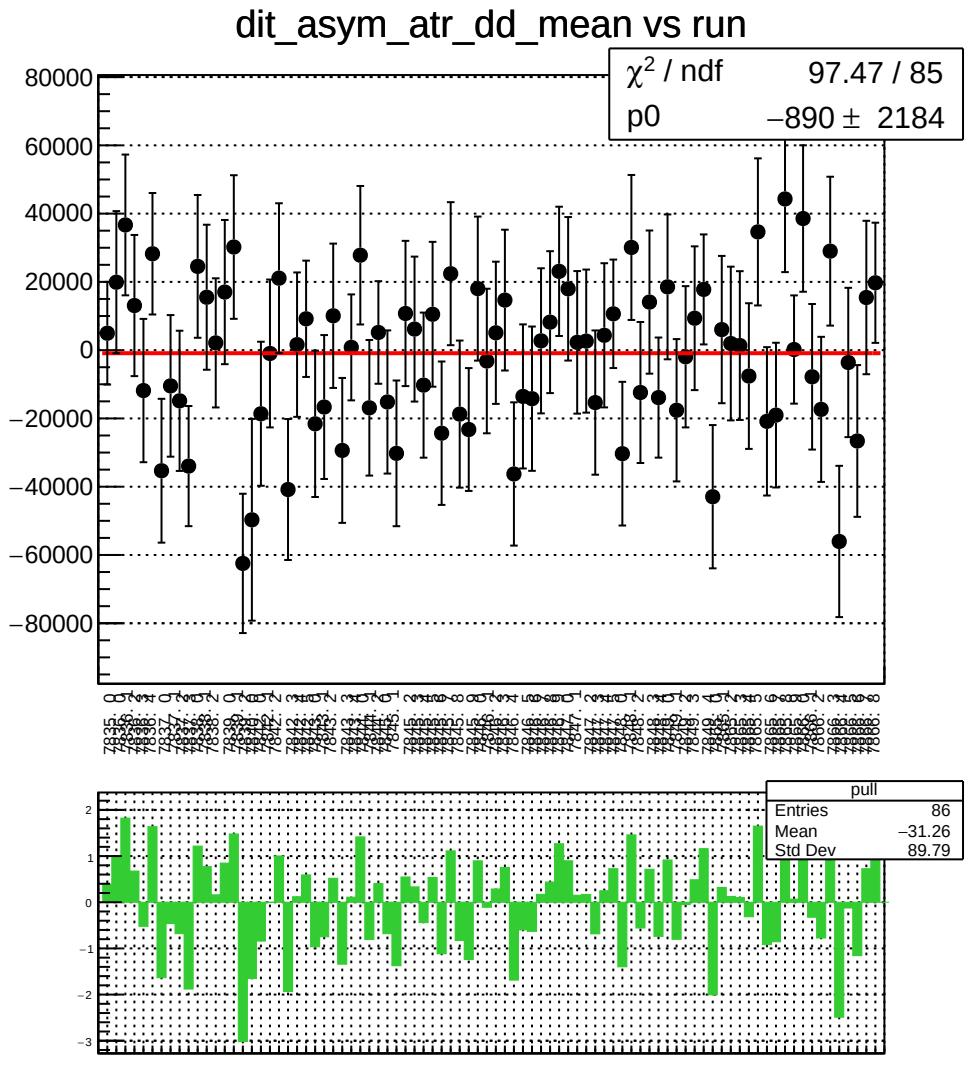

pull1D
Entries 86
Mean 0.01088
Std Dev 1.081
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

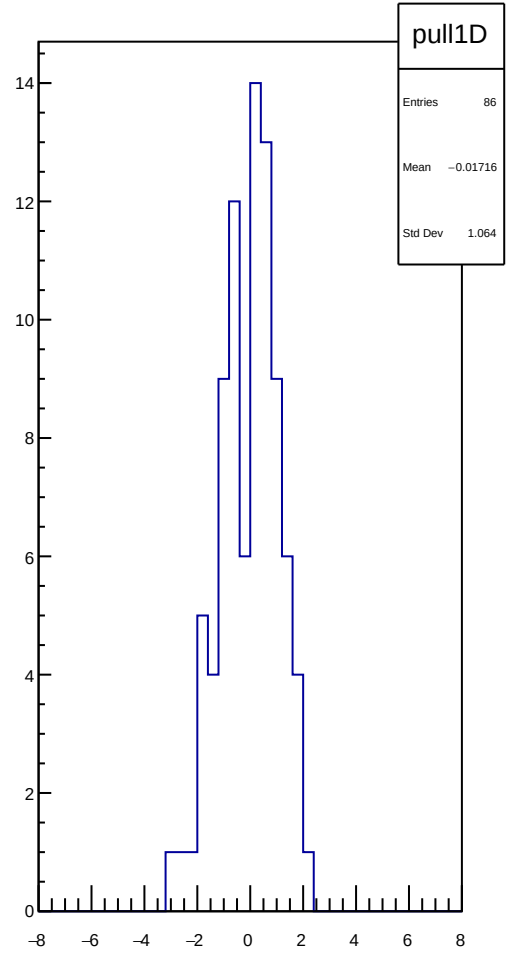

asym_atr_avg_correction_rms vs run
χ² / ndf 2.823e+04 / 85
p0 9386 ± 7.303
16000
15000
14000
13000
12000
11000
10000
9000
8000
7000

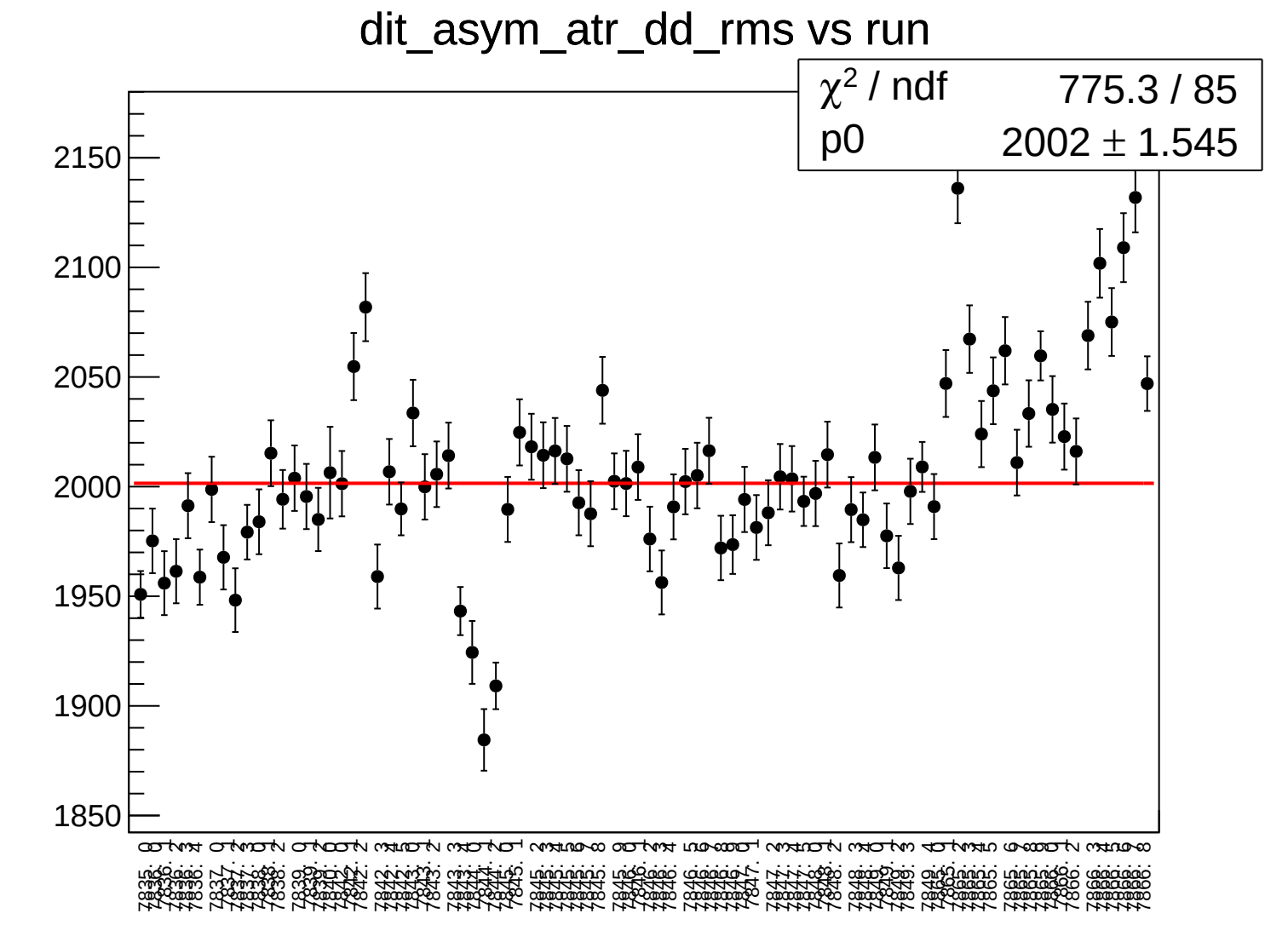

asym_atr_avg_mean vs run
×10^3
χ² / ndf 96.25 / 85
p0 1.907e+04 ± 1.045e+04
pull
Entries 86
Mean −70.64
Std Dev 128.4

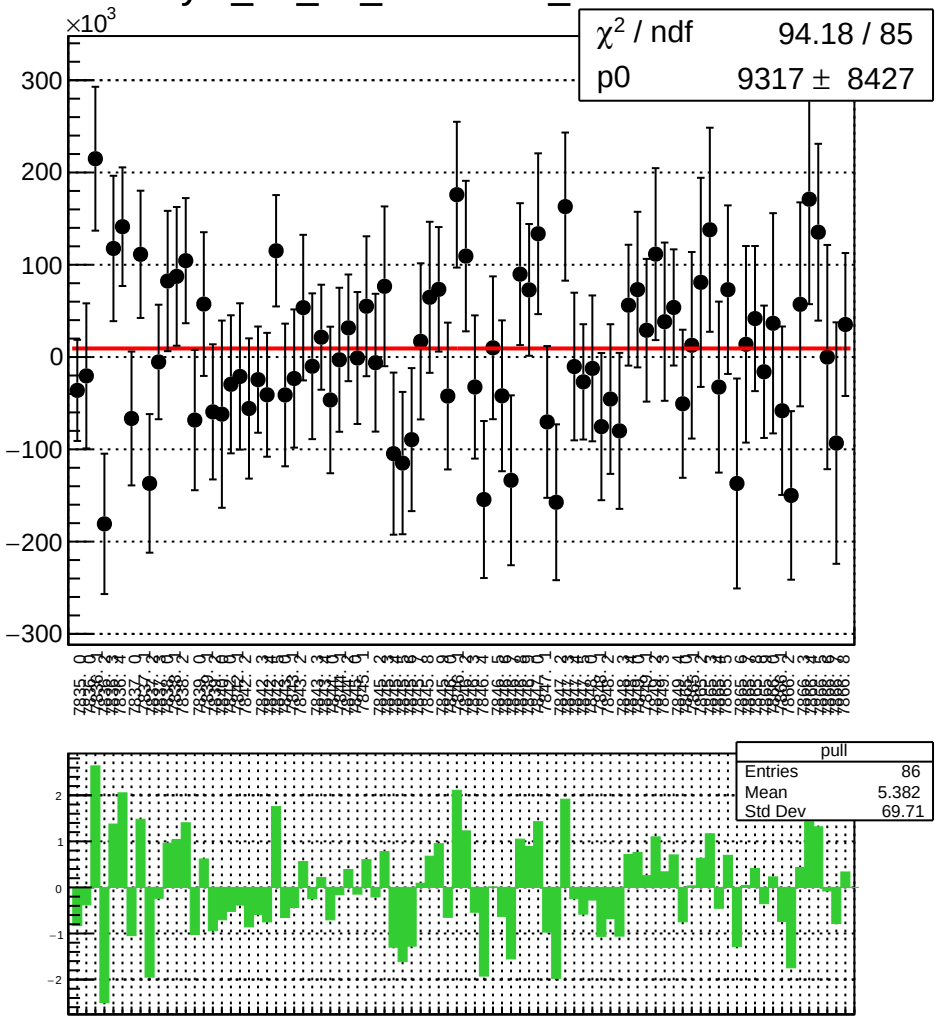

pull1D
Entries 86
Mean −0.0117
Std Dev 1.058

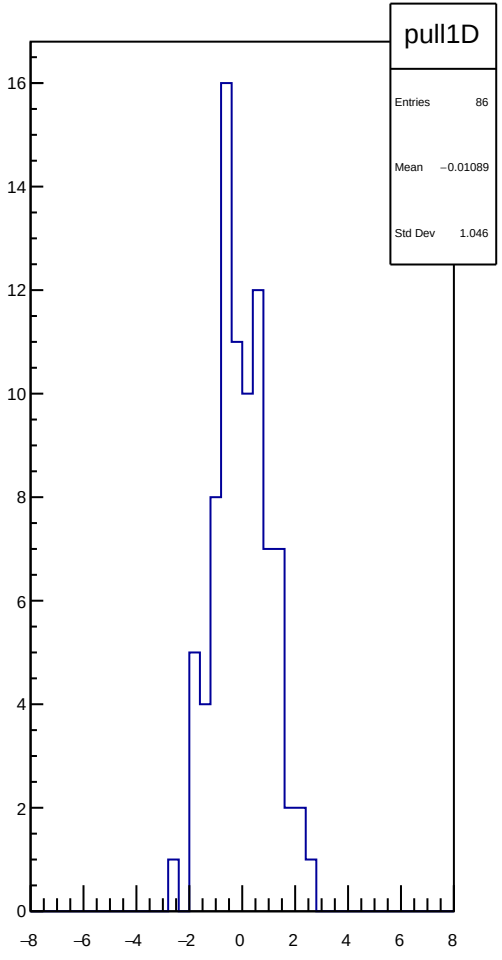

asym_atr_avg_rms vs run
χ^2 / ndf 2.871e+04 / 85
p0 9499 ± 7.393
16000
15000
14000
13000
12000
11000
10000
9000
8000
7000

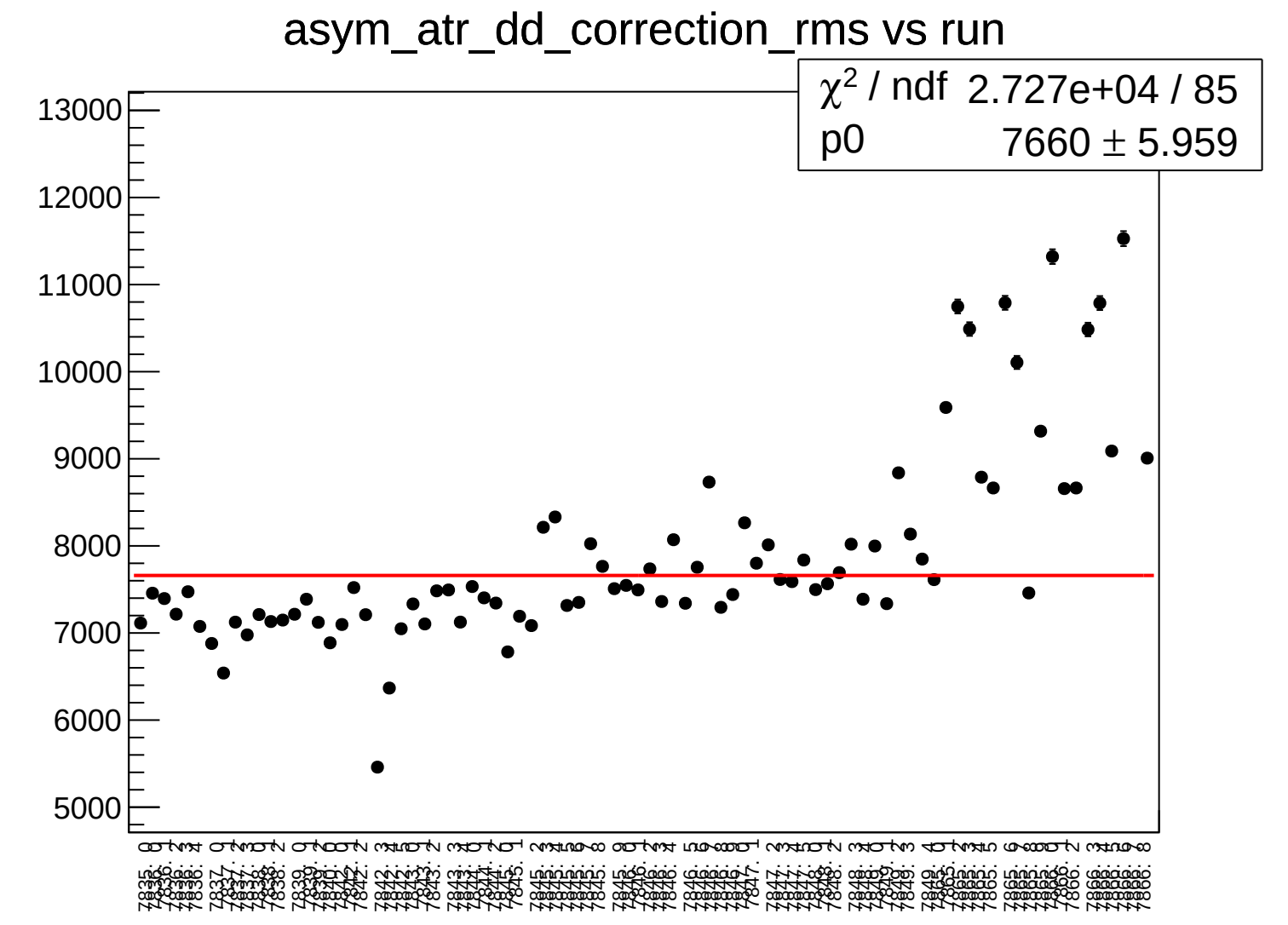

dit_asym_atr_dd_mean vs run
χ² / ndf 97.47 / 85
p0 −890 ± 2184
pull
Entries 86
Mean −31.26
Std Dev 89.79

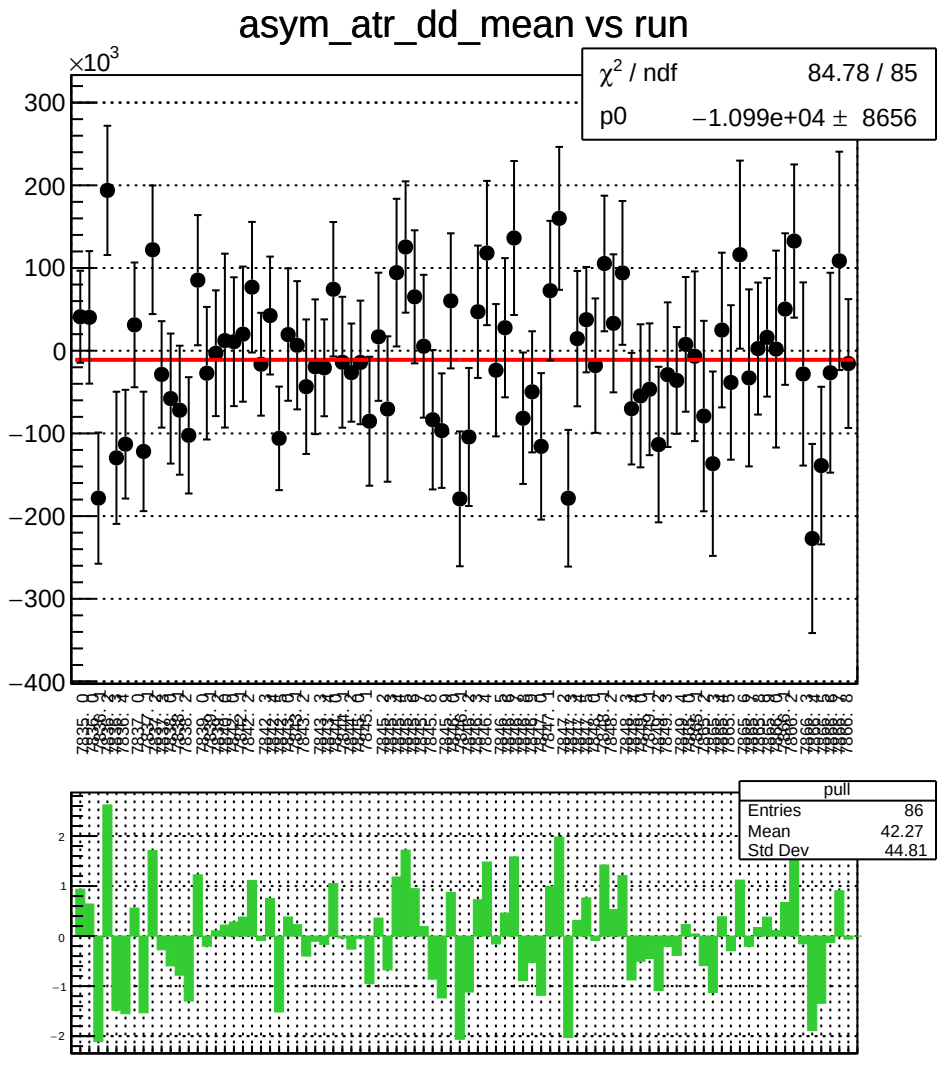

pull1D
Entries 86
Mean −0.01716
Std Dev 1.064

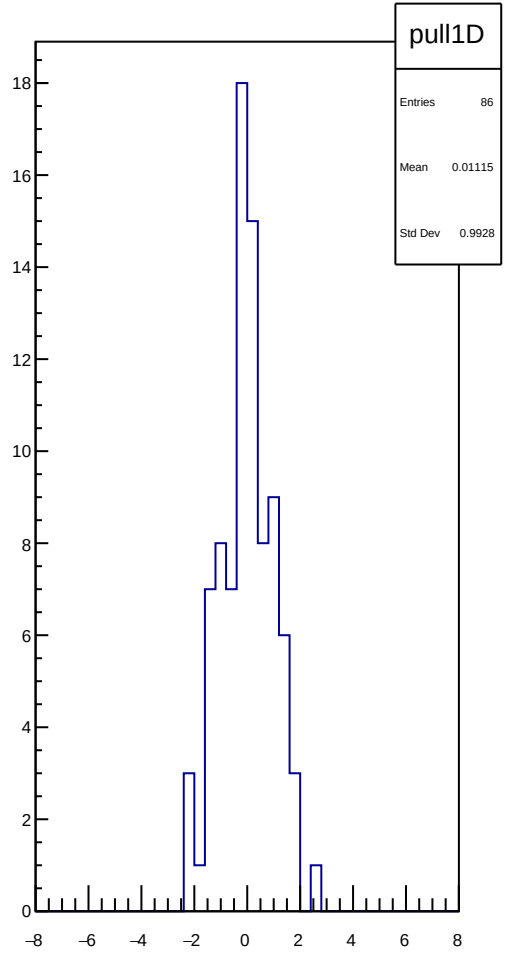

dit_asym_atr_dd_rms vs run
χ^2 / ndf 775.3 / 85
p0 2002 ± 1.545
2150
2100
2050
2000
1950
1900
1850

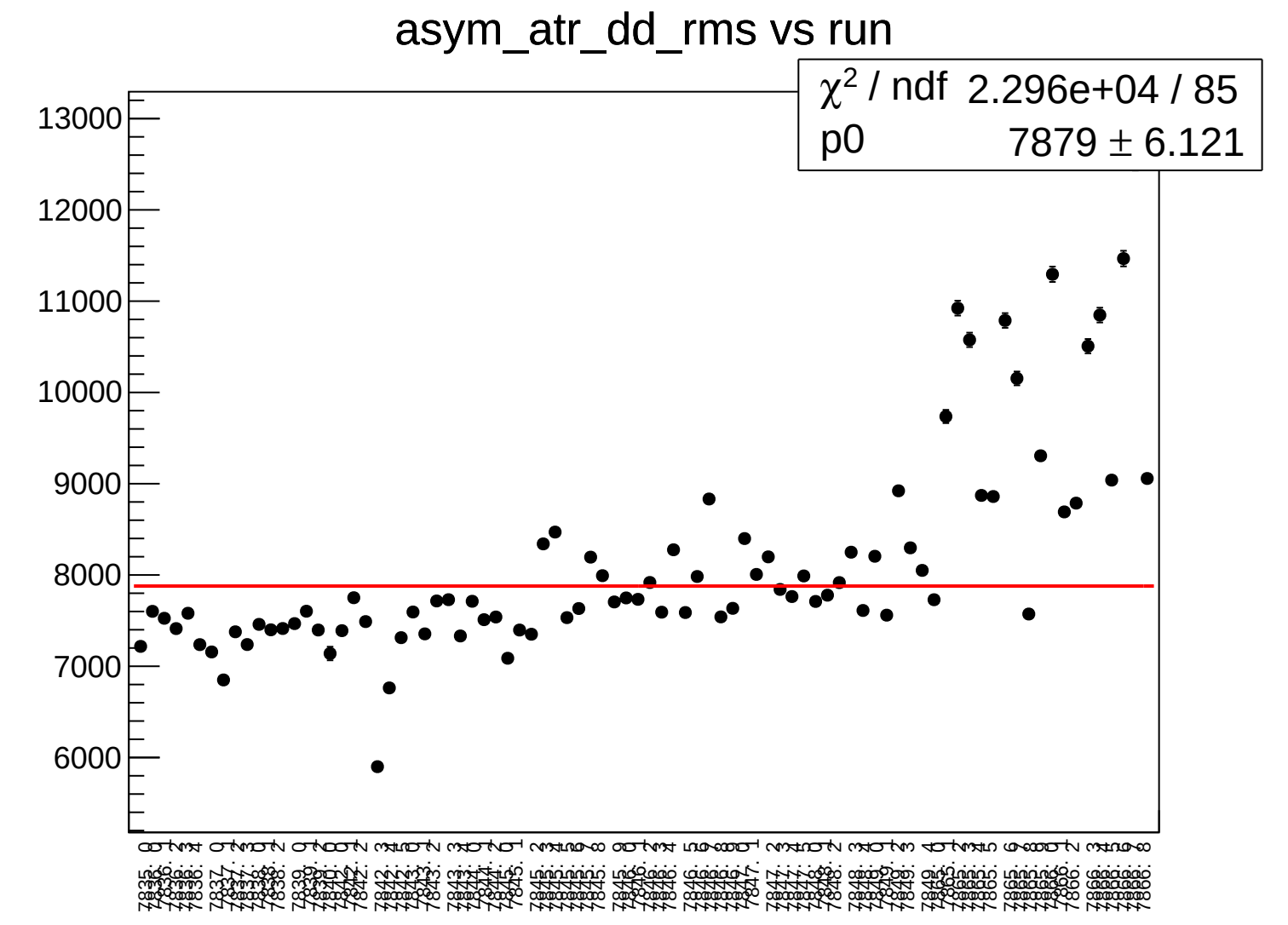

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 94.18 / 85
p0 9317 ± 8427
pull
Entries 86
Mean 5.382
Std Dev 69.71

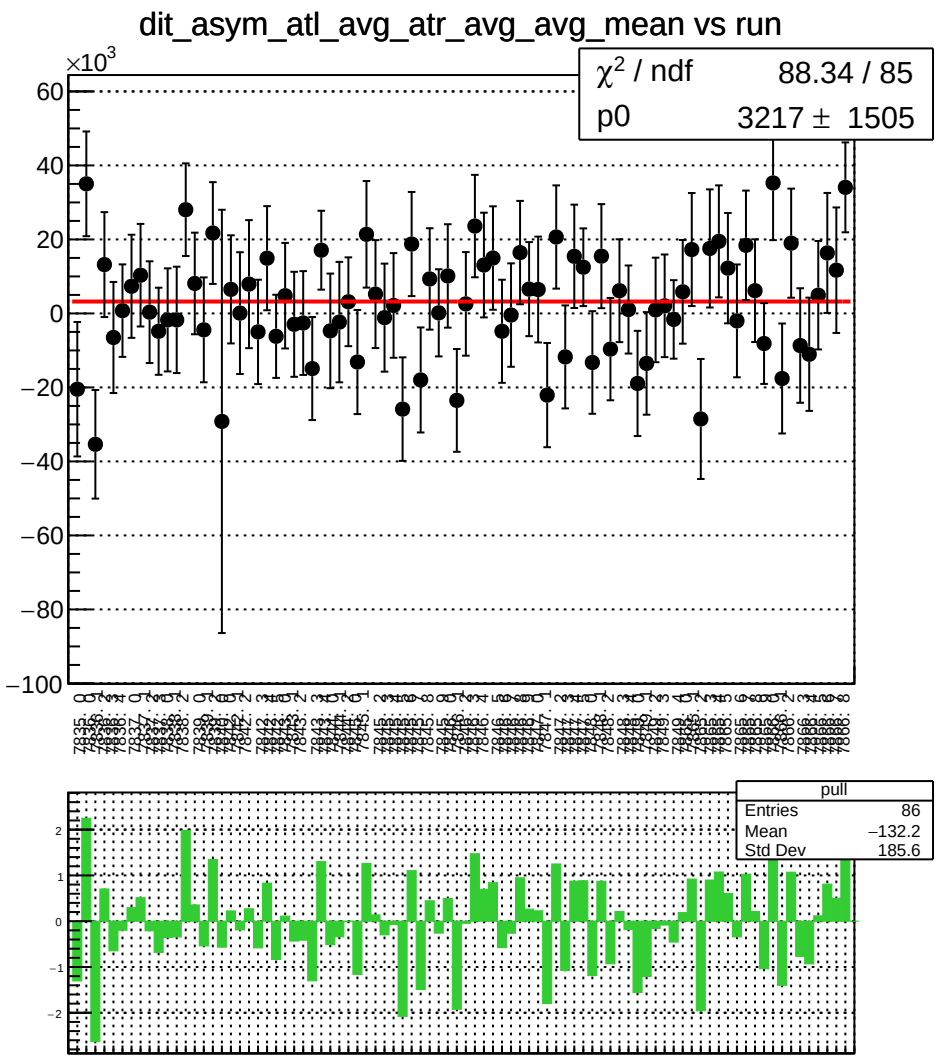

pull1D
Entries 86
Mean −0.01089
Std Dev 1.046

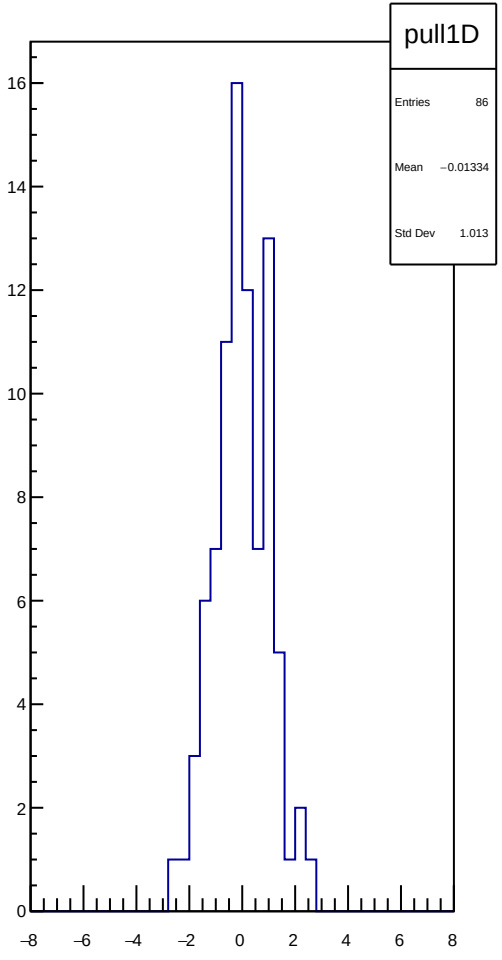

asym_atr_dd_correction_rms vs run
χ² / ndf 2.727e+04 / 85
p0 7660 ± 5.959
13000
12000
11000
10000
9000
8000
7000
6000
5000

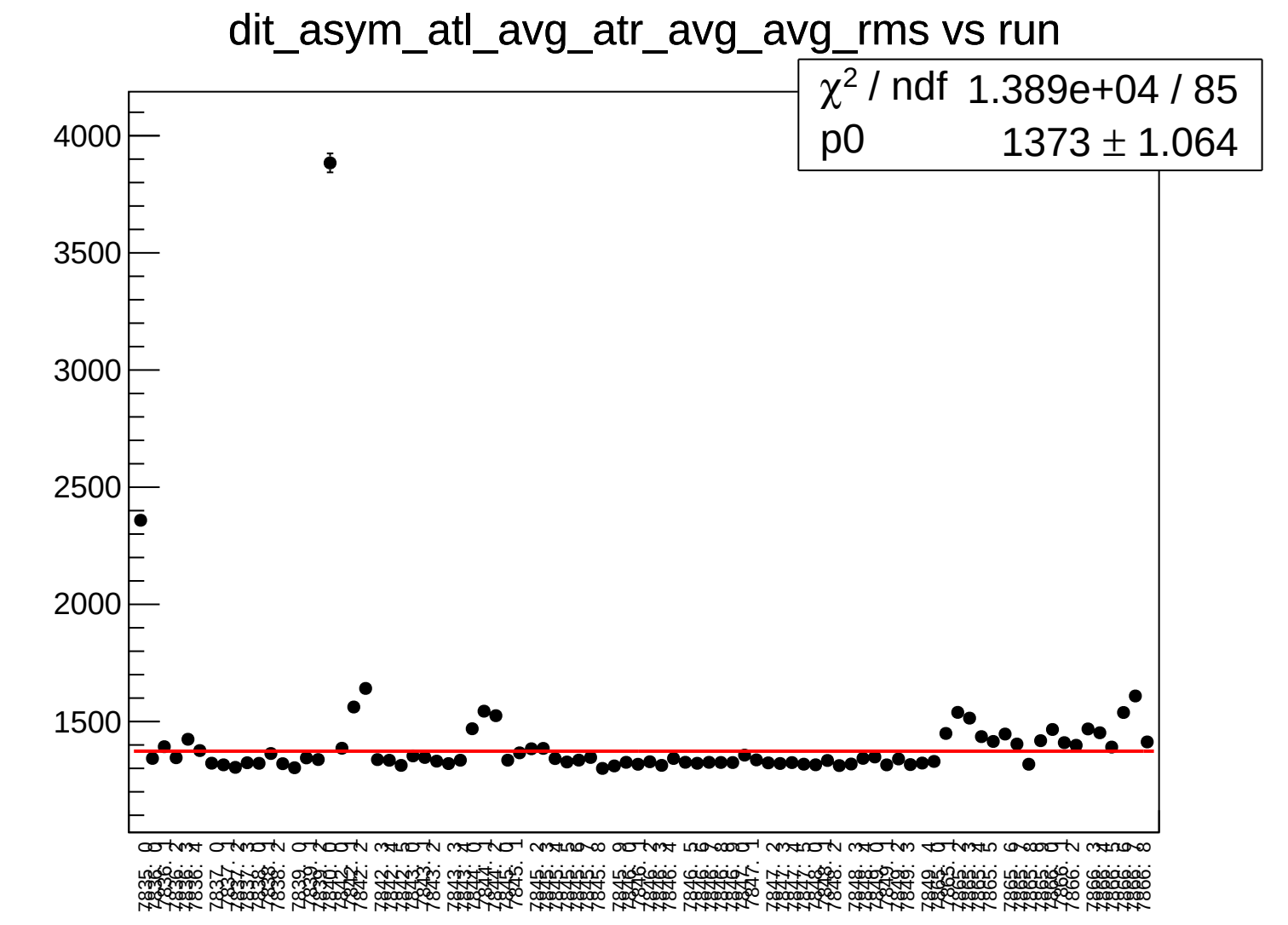

asym_atr_dd_mean vs run
×10^3
χ² / ndf 84.78 / 85
p0 −1.099e+04 ± 8656
pull
Entries 86
Mean 42.27
Std Dev 44.81

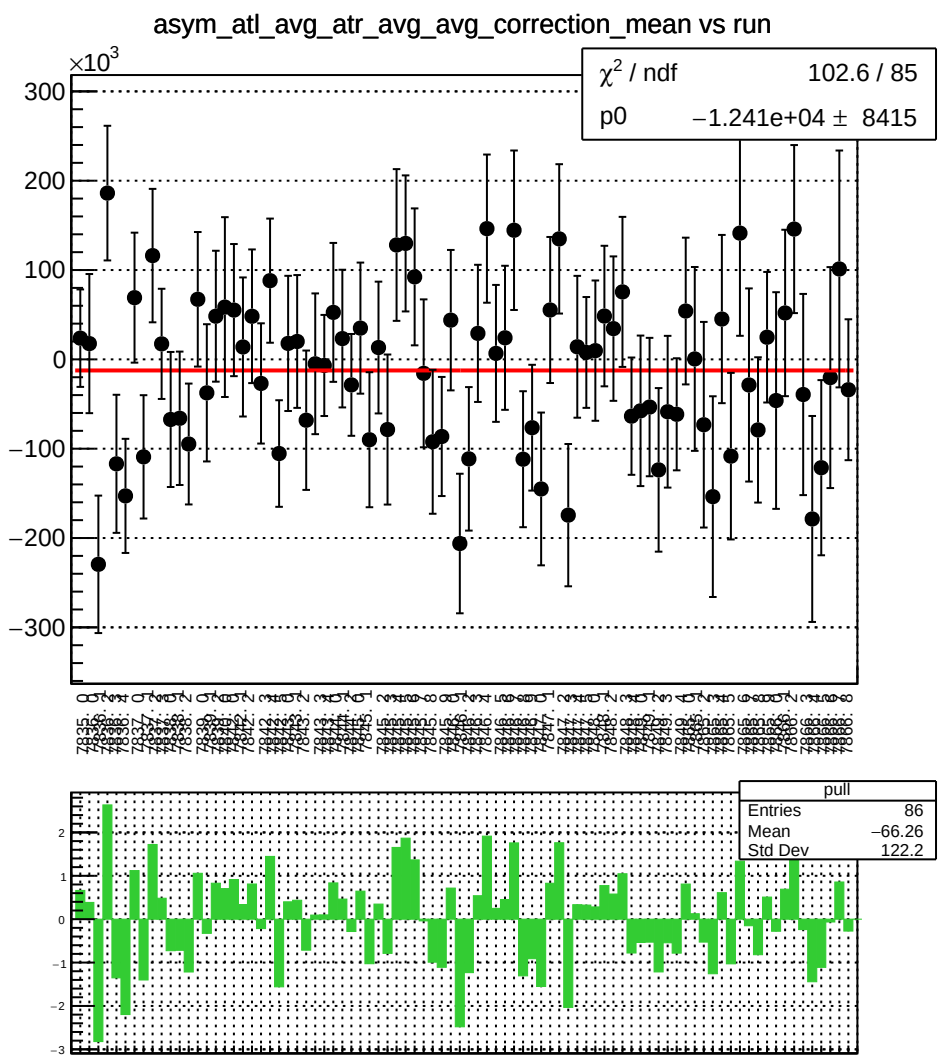

pull1D
Entries 86
Mean 0.01115
Std Dev 0.9928

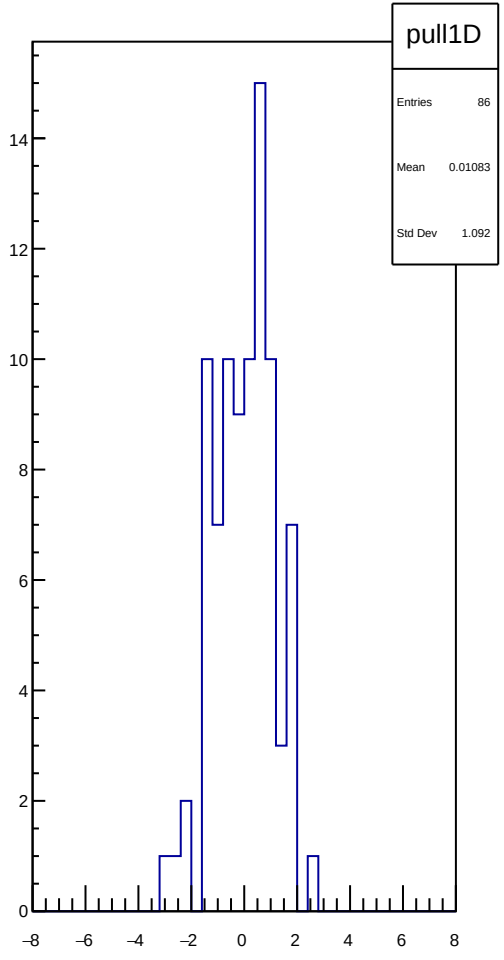

asym_atr_dd_rms vs run
χ² / ndf 2.296e+04 / 85
p0 7879 ± 6.121
13000
12000
11000
10000
9000
8000
7000
6000

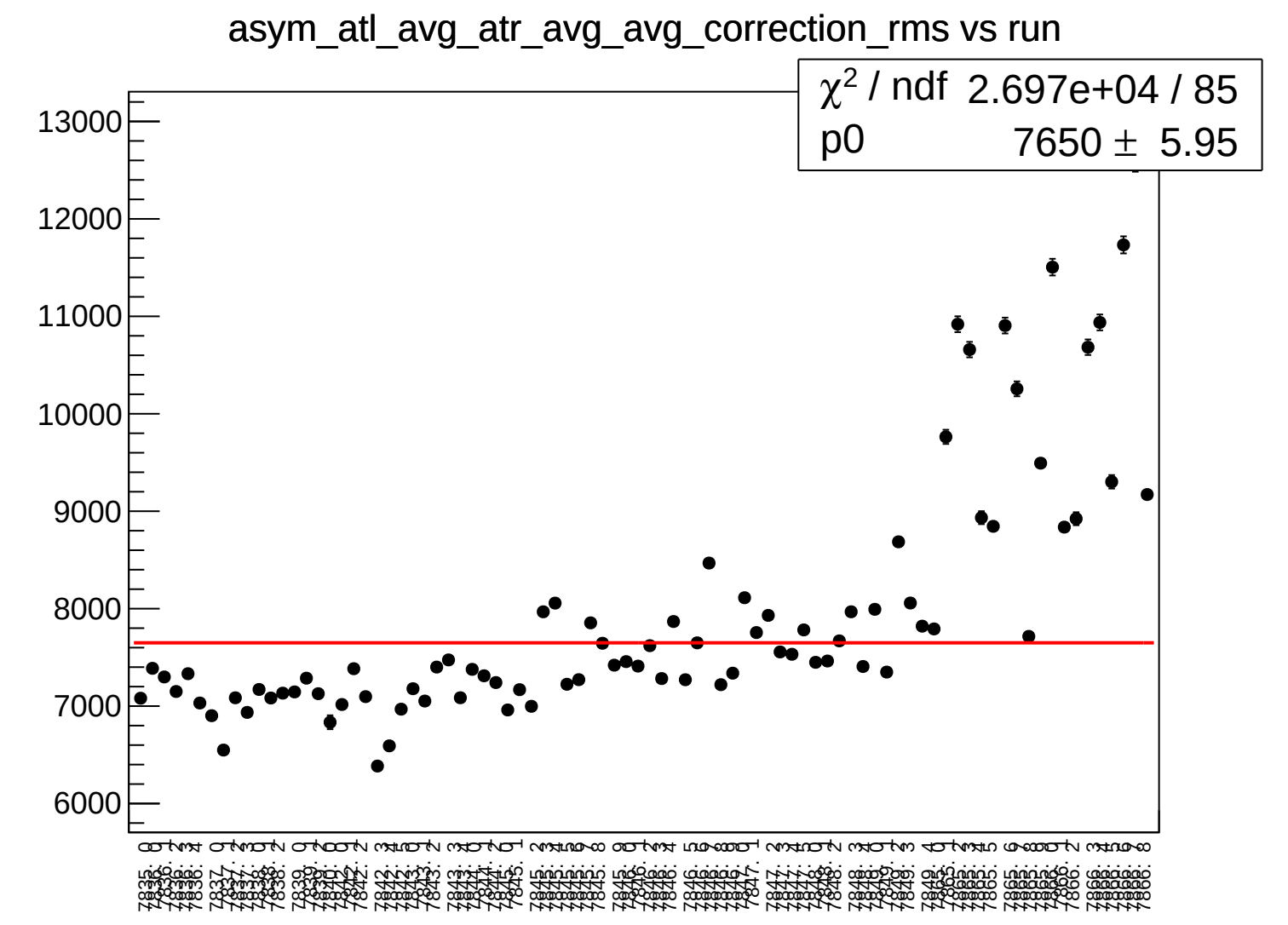

dit_asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 88.34 / 85
p0 3217 ± 1505
pull
Entries 86
Mean −132.2
Std Dev 185.6

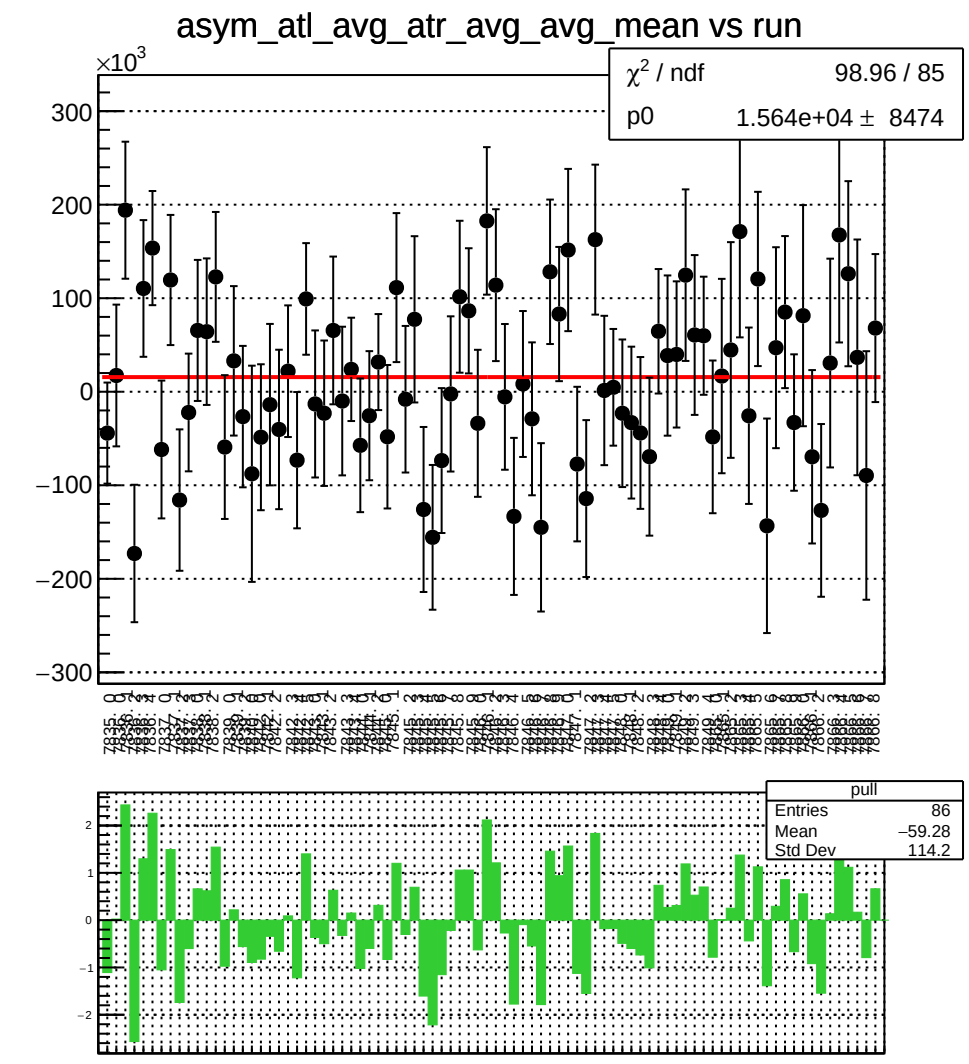

pull1D
Entries 86
Mean −0.01334
Std Dev 1.013

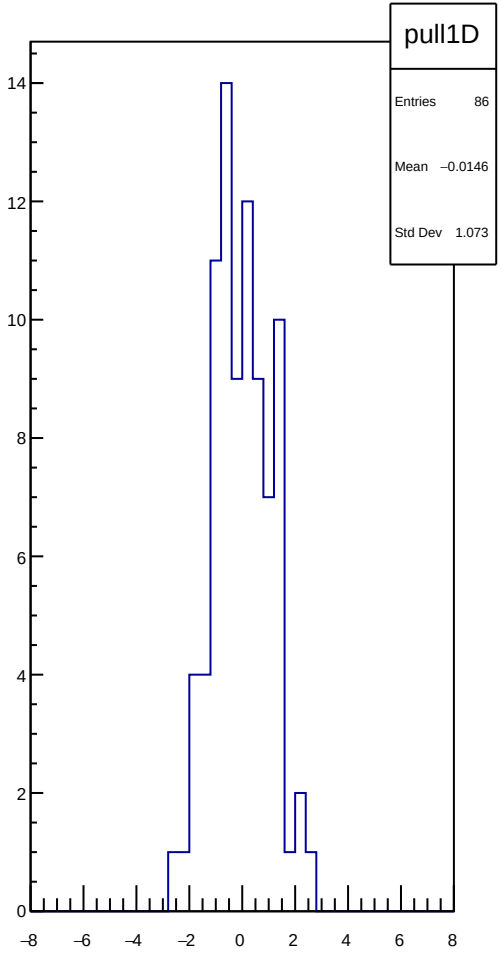

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 1.389e+04 / 85
p0 1373 ± 1.064
4000
3500
3000
2500
2000
1500

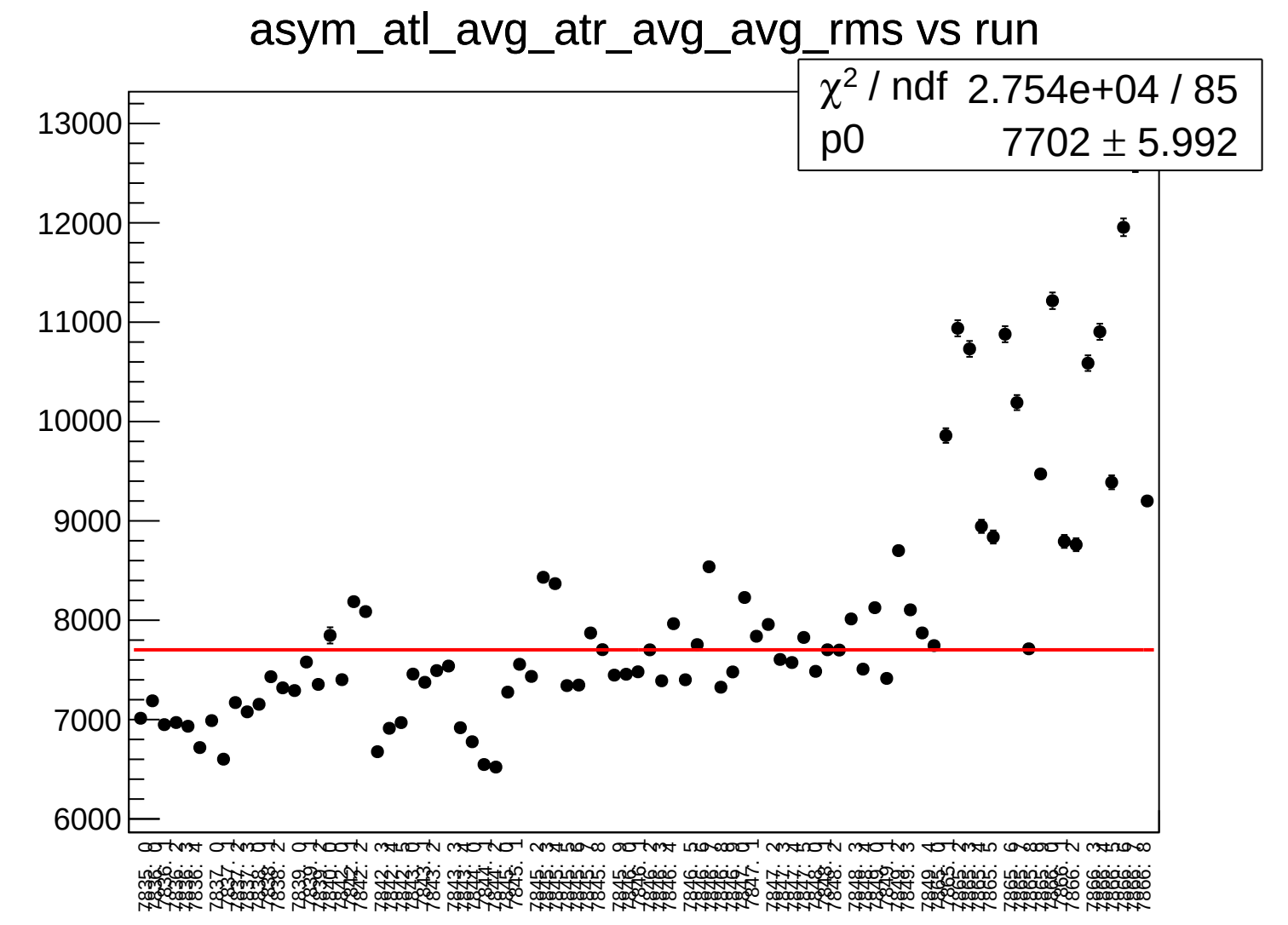

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 102.6 / 85
p0 −1.241e+04 ± 8415
pull
Entries 86
Mean −66.26
Std Dev 122.2

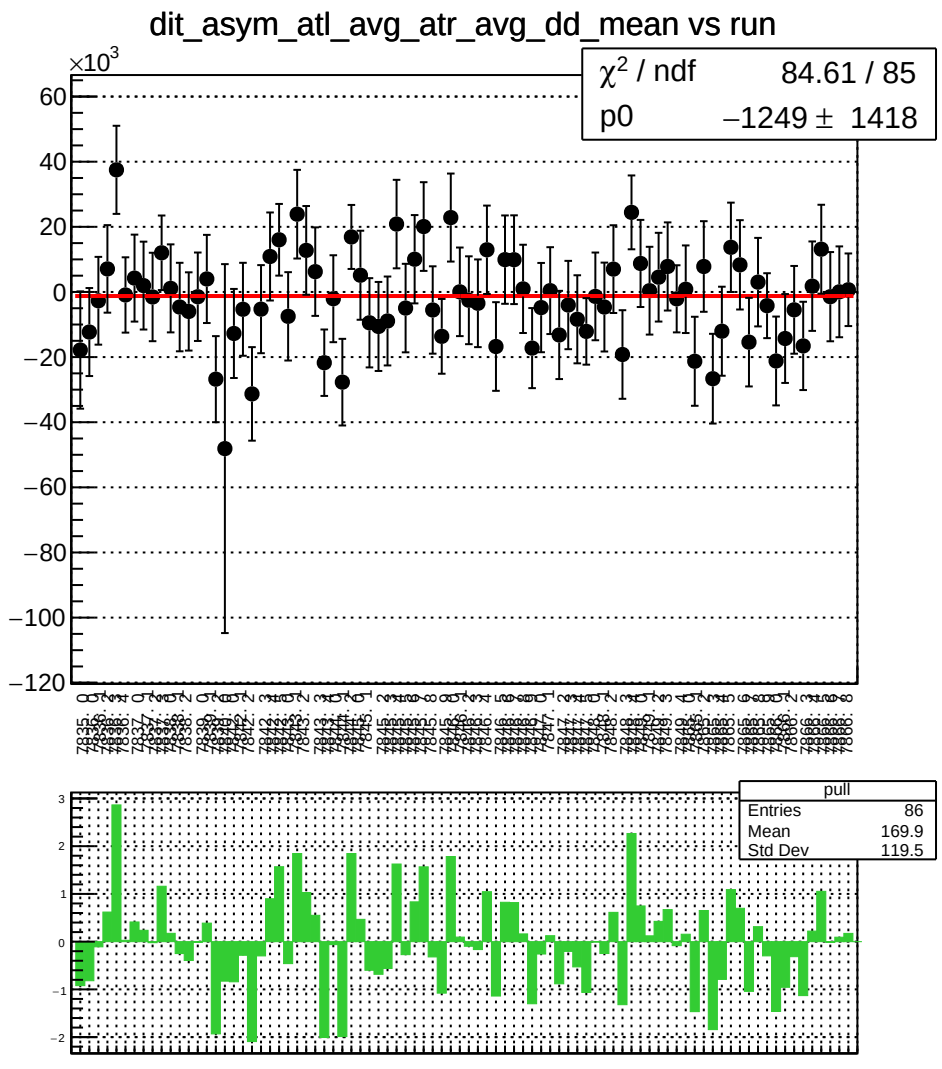

pull1D
Entries 86
Mean 0.01083
Std Dev 1.092

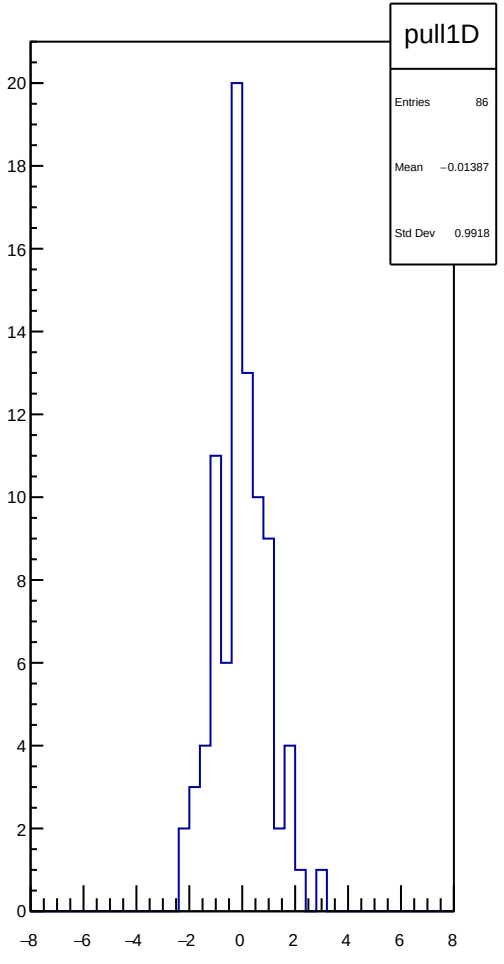

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2.697e+04 / 85
p0 7650 ± 5.95
13000
12000
11000
10000
9000
8000
7000
6000

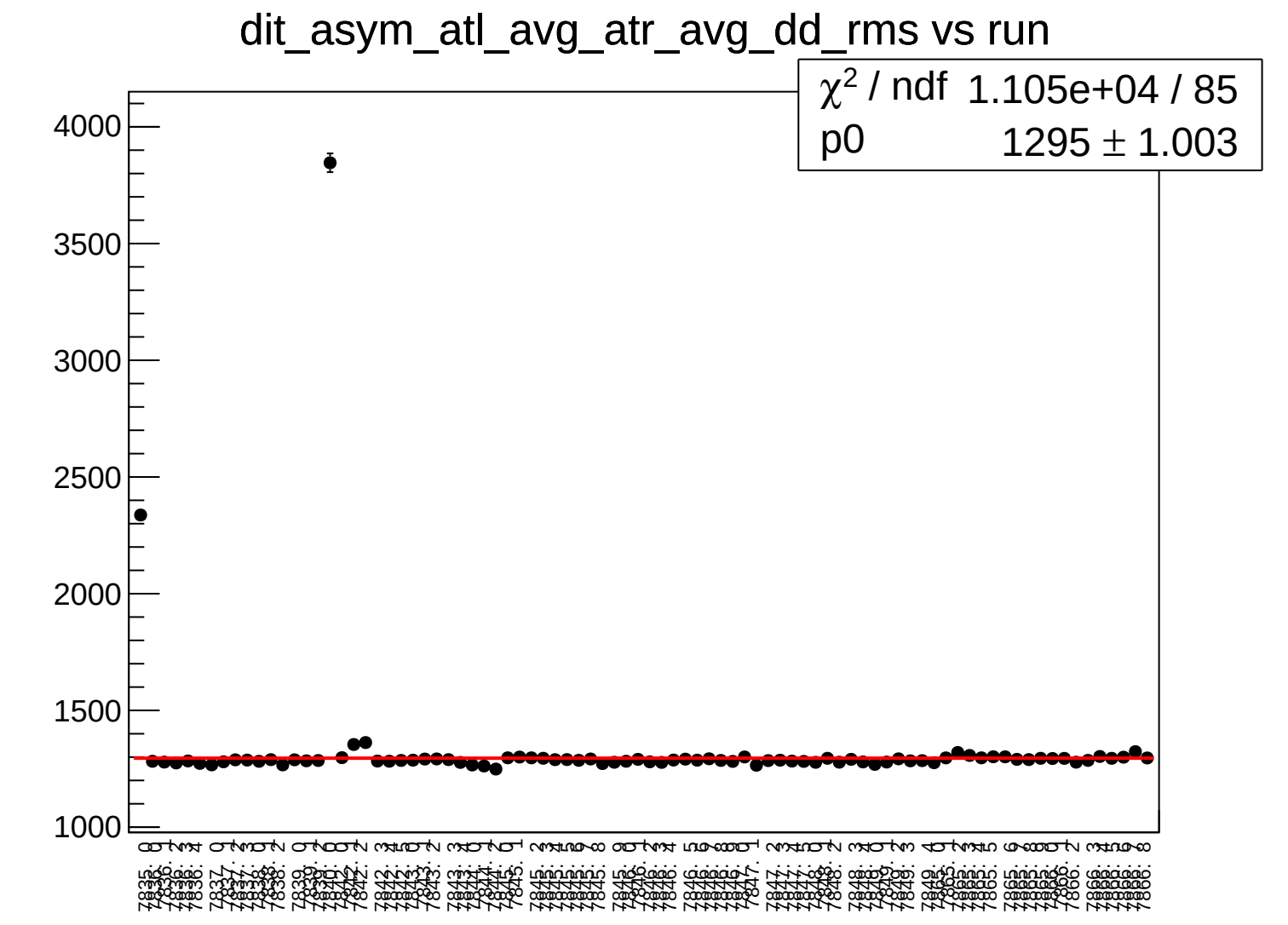

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 98.96 / 85
p0 1.564e+04 ± 8474
pull
Entries 86
Mean −59.28
Std Dev 114.2

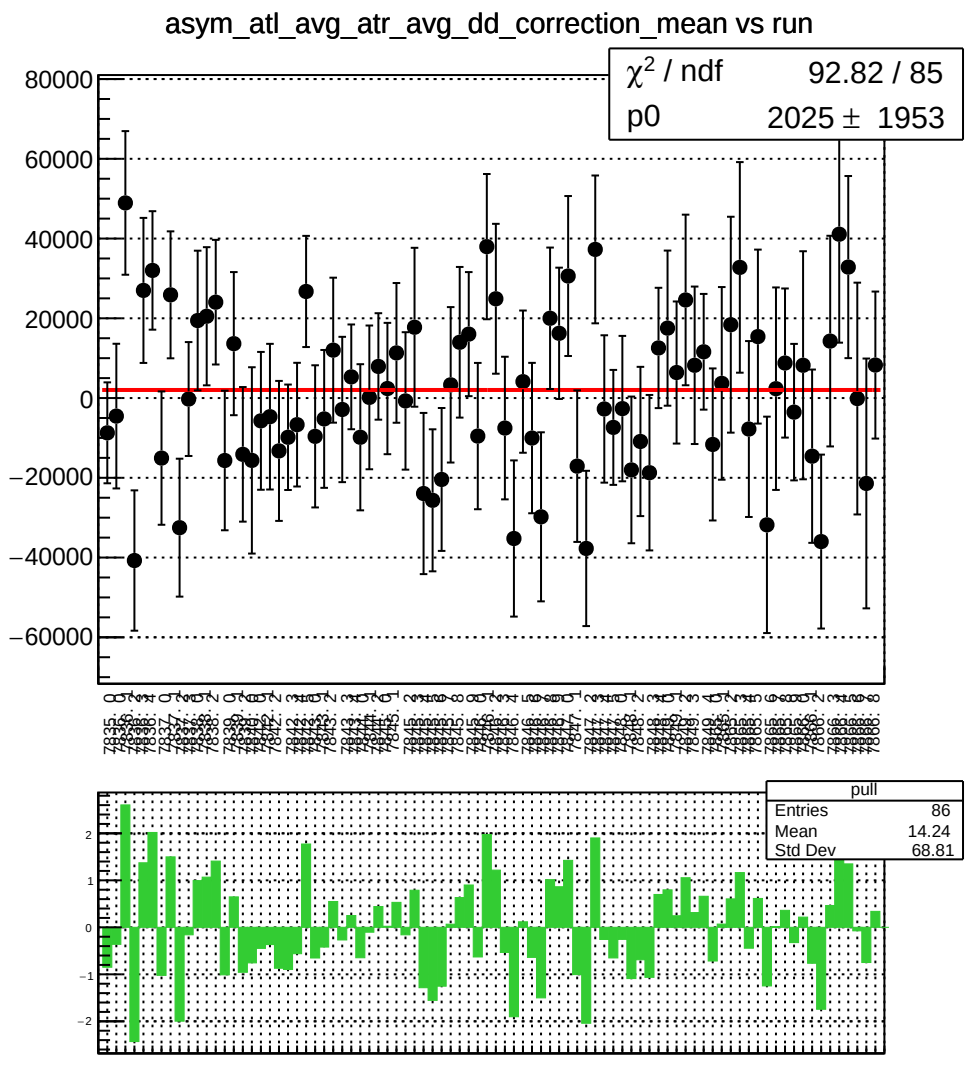

pull1D
Entries 86
Mean −0.0146
Std Dev 1.073

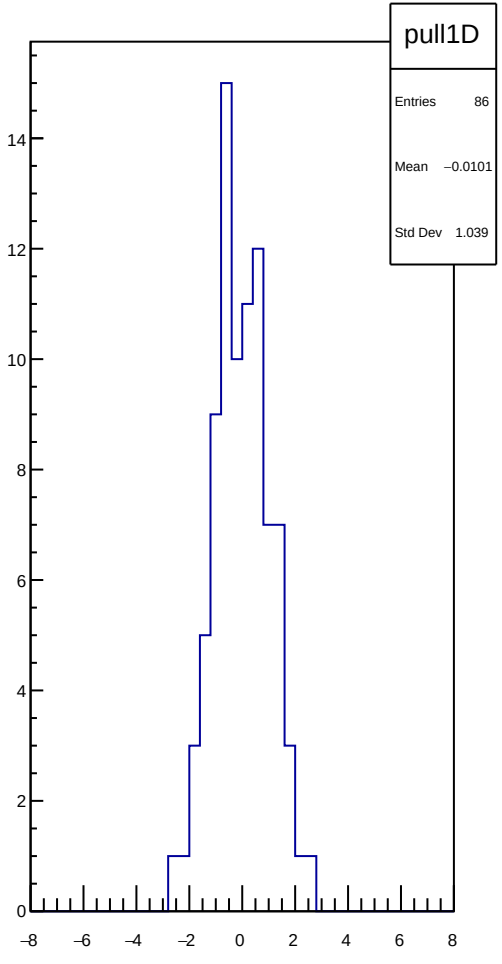

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.754e+04 / 85
p0 7702 ± 5.992
13000
12000
11000
10000
9000
8000
7000
6000

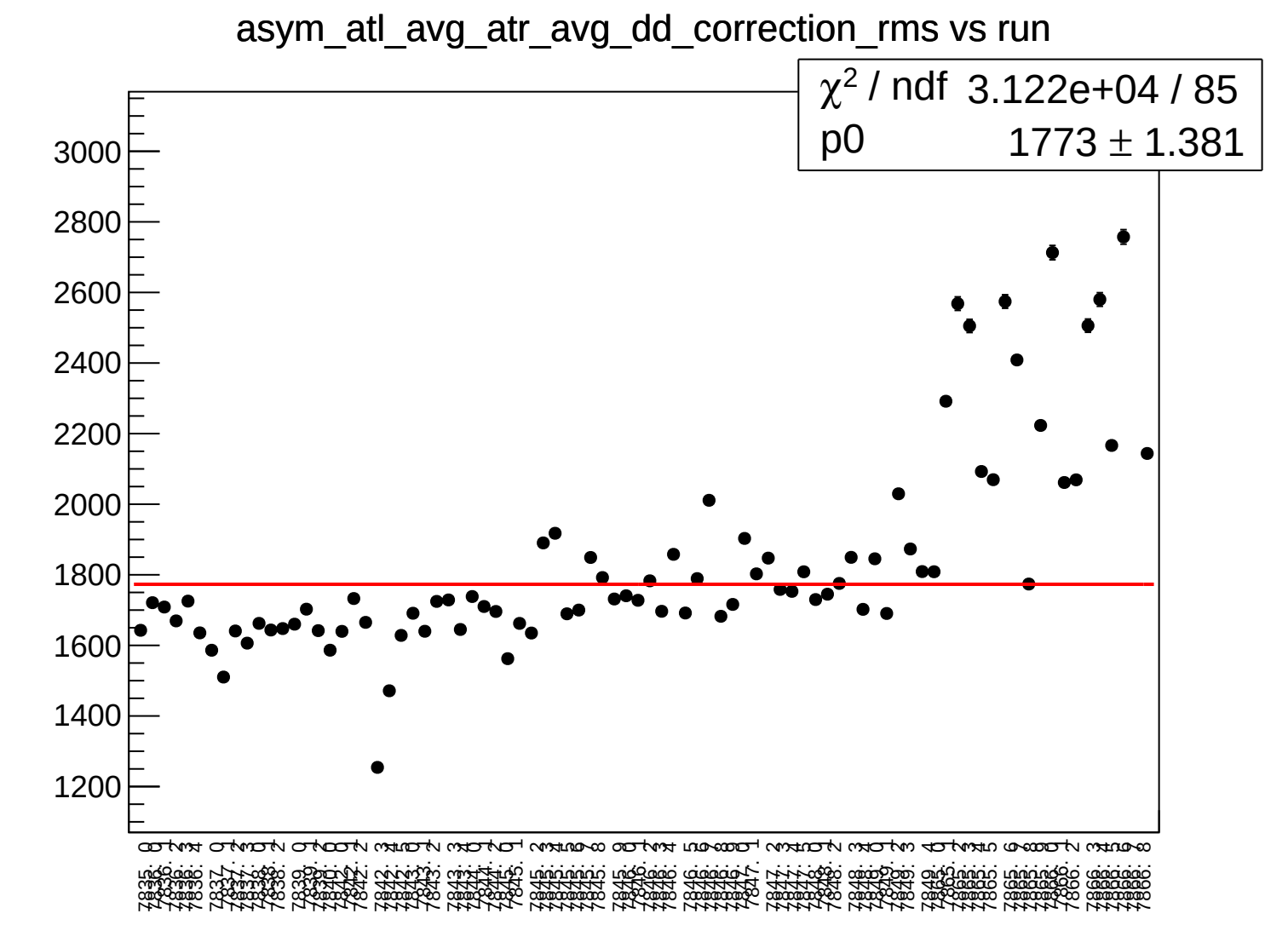

dit_asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 84.61 / 85
p0 −1249 ± 1418
pull
Entries 86
Mean 169.9
Std Dev 119.5

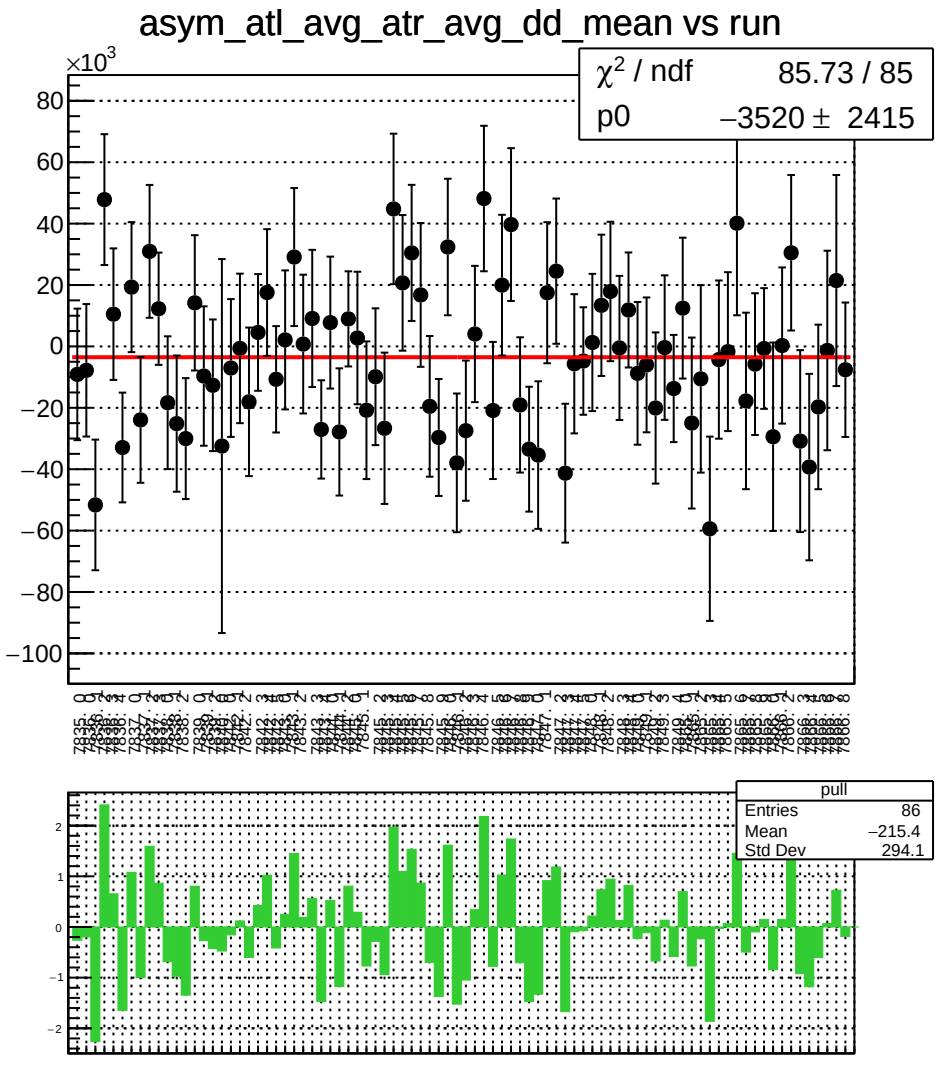

pull1D
Entries 86
Mean −0.01387
Std Dev 0.9918

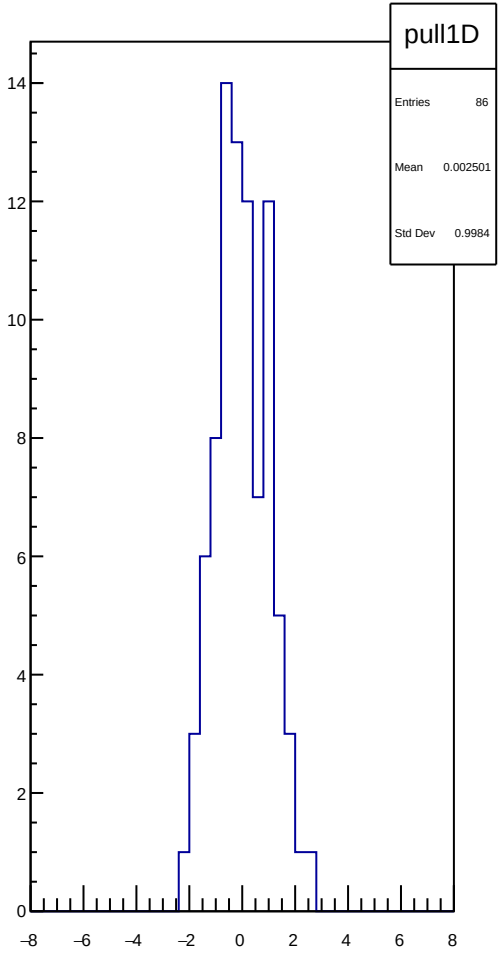

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ^2 / ndf 1.105e+04 / 85
p0 1295 ± 1.003
4000
3500
3000
2500
2000
1500
1000

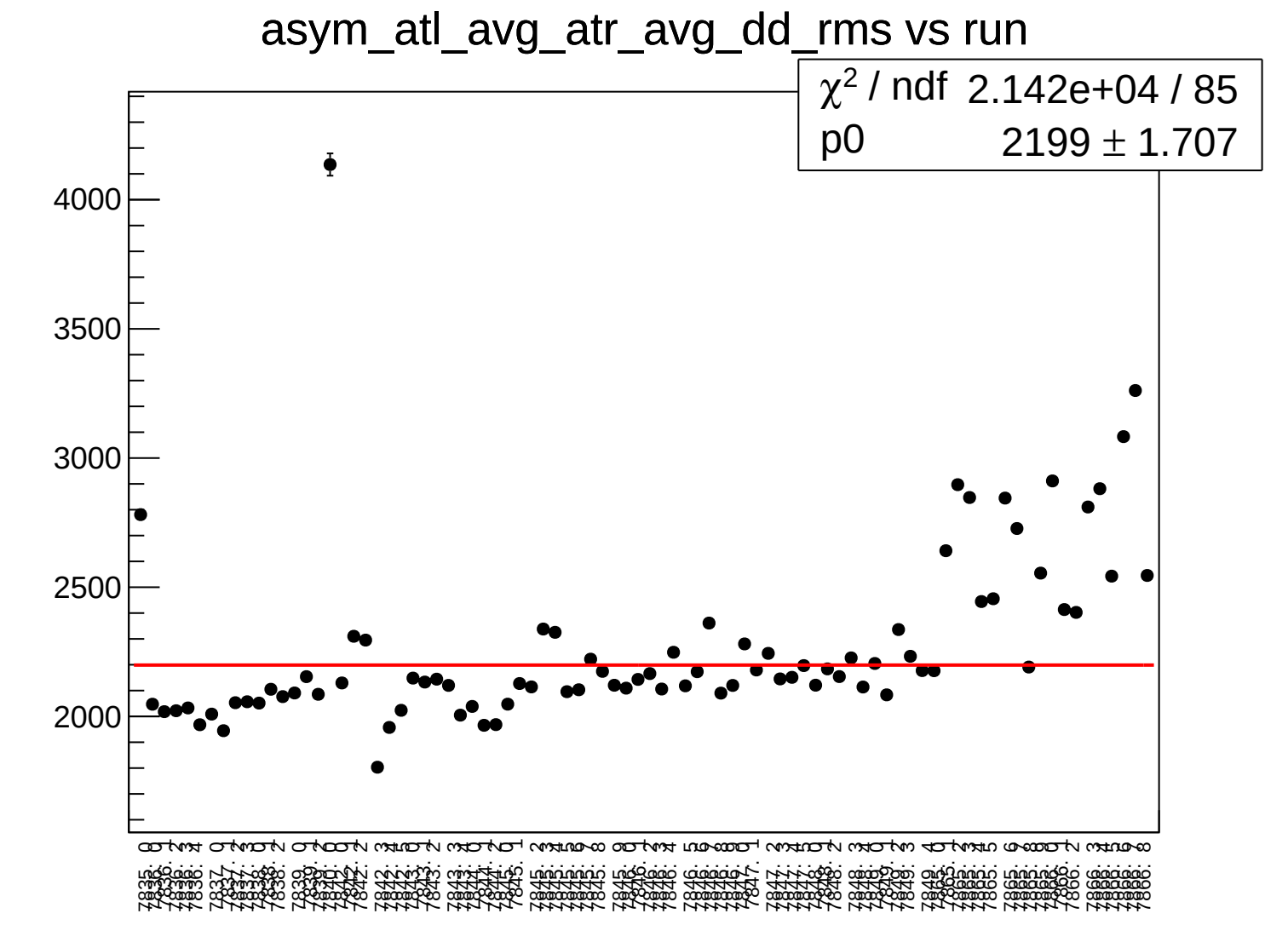

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 92.82 / 85
p0 2025 ± 1953
pull
Entries 86
Mean 14.24
Std Dev 68.81

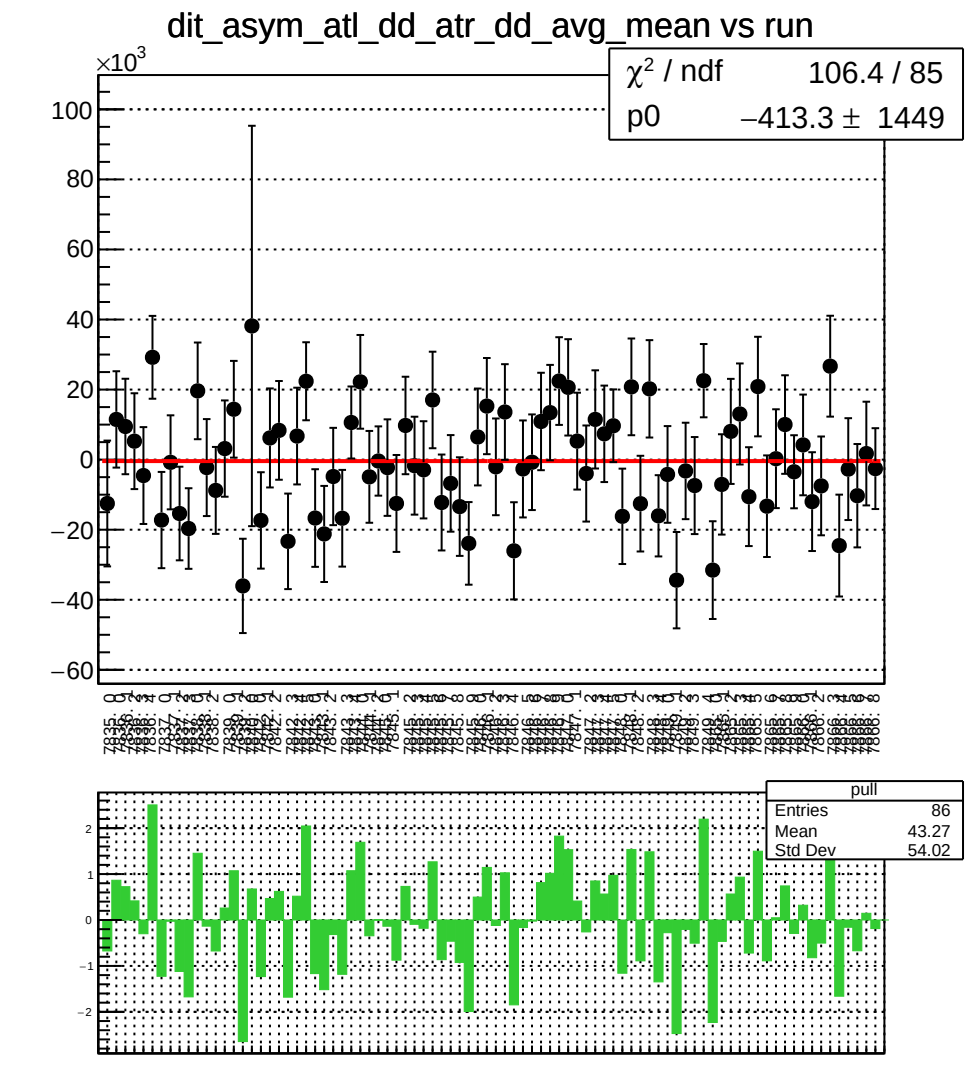

pull1D
Entries 86
Mean −0.0101
Std Dev 1.039

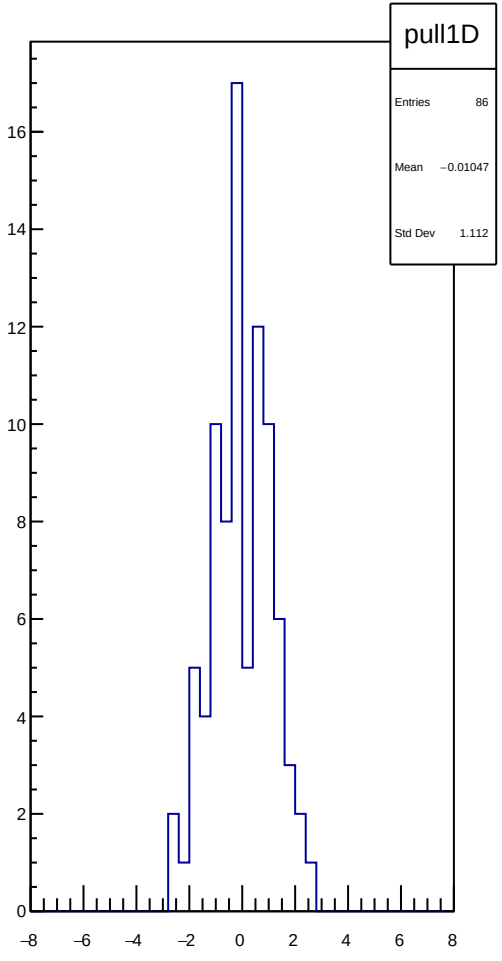

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 3.122e+04 / 85
p0 1773 ± 1.381
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

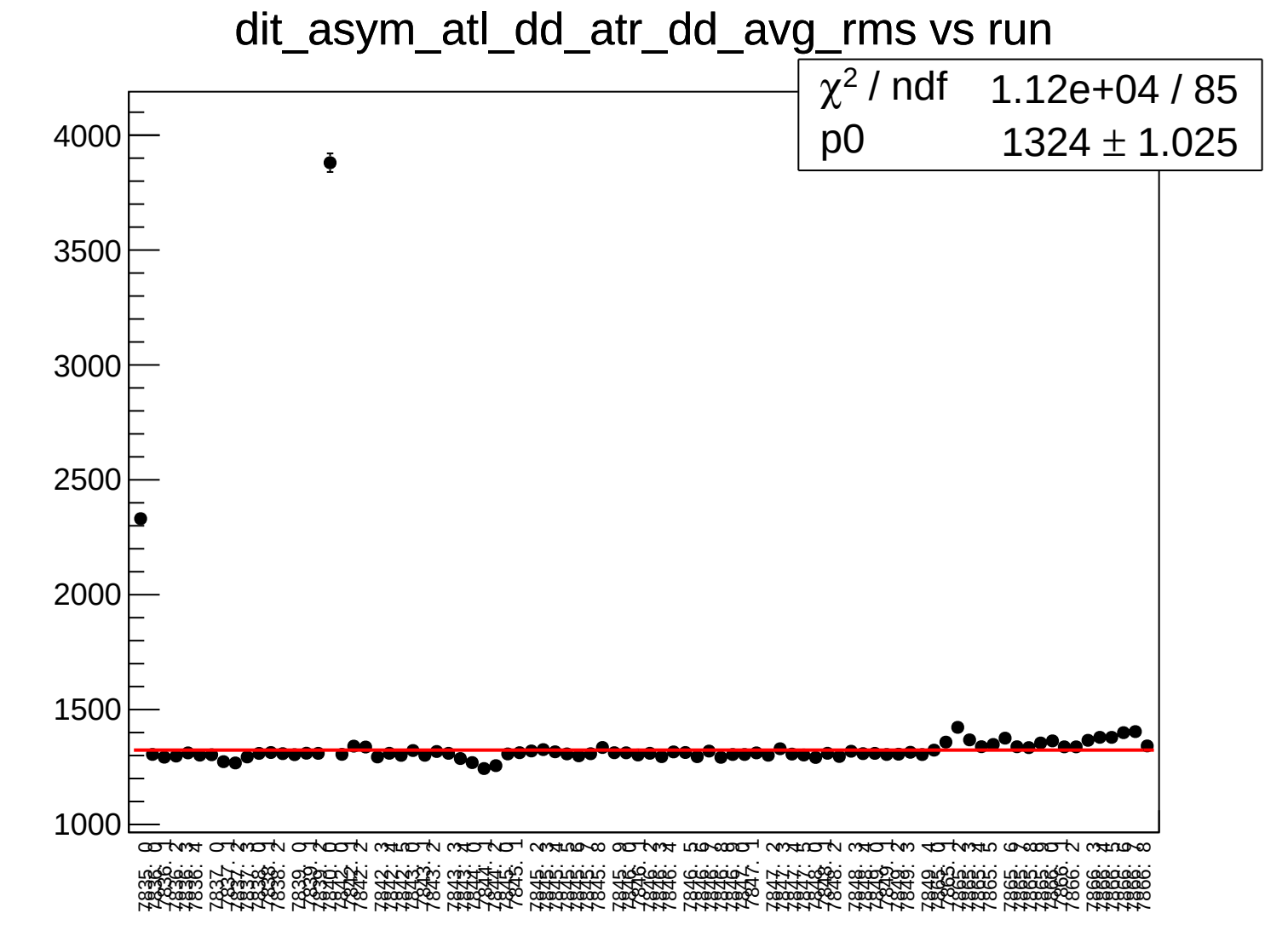

asym_atl_avg_atr_avg_dd_mean vs run
×10^3
χ² / ndf 85.73 / 85
p0 −3520 ± 2415
pull
Entries 86
Mean −215.4
Std Dev 294.1

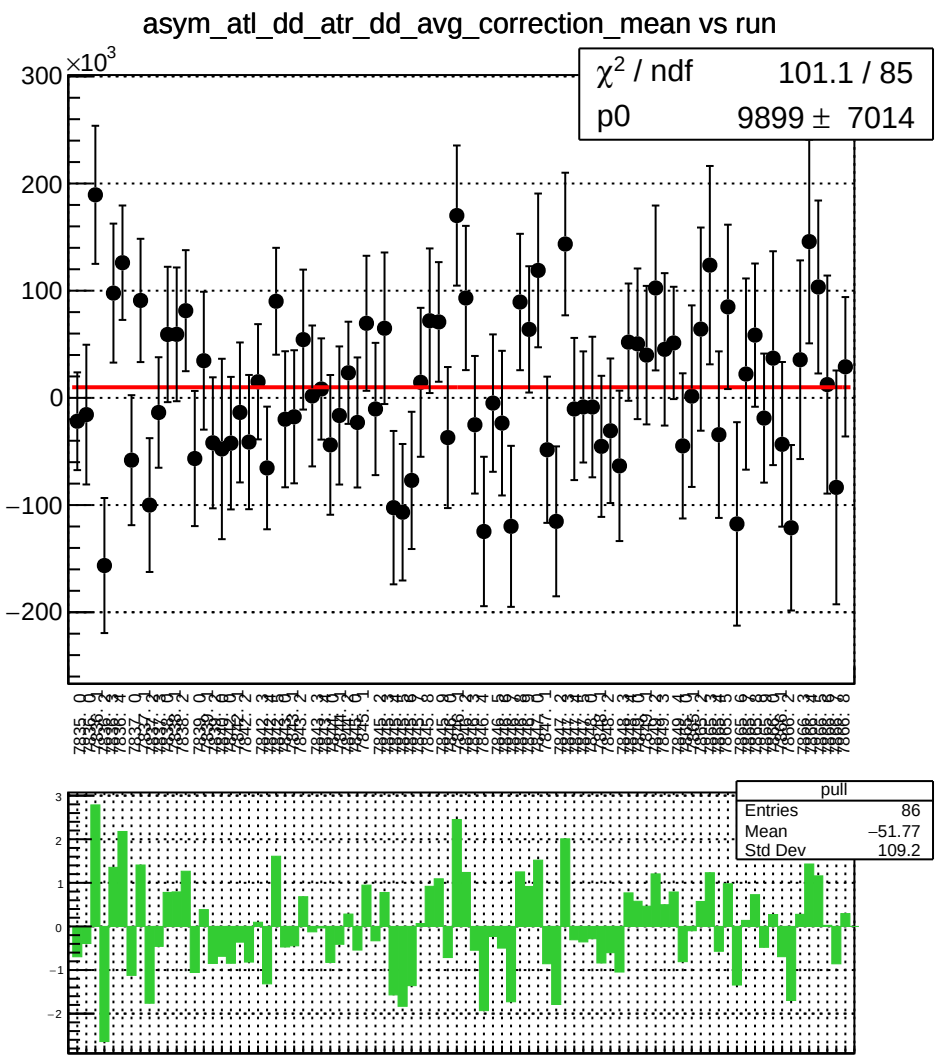

pull1D
Entries 86
Mean 0.002501
Std Dev 0.9984

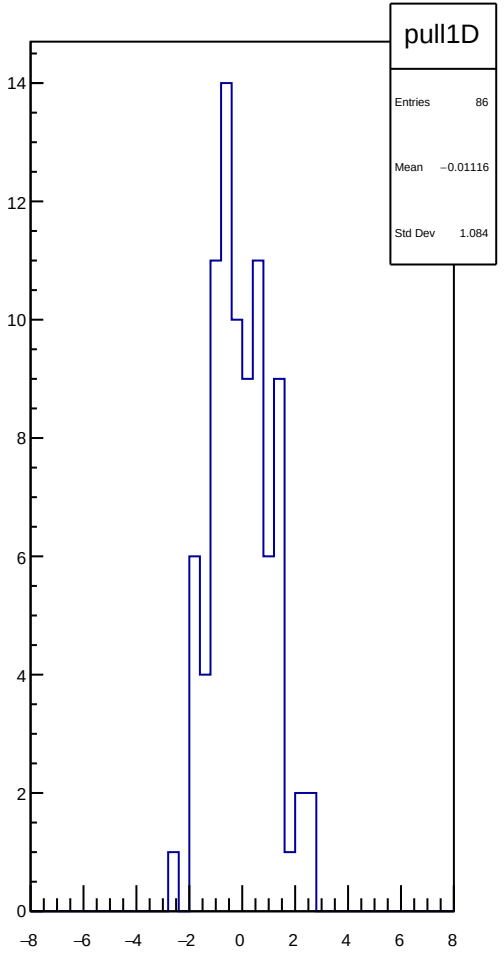

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 2.142e+04 / 85
p0 2199 ± 1.707
4000
3500
3000
2500
2000

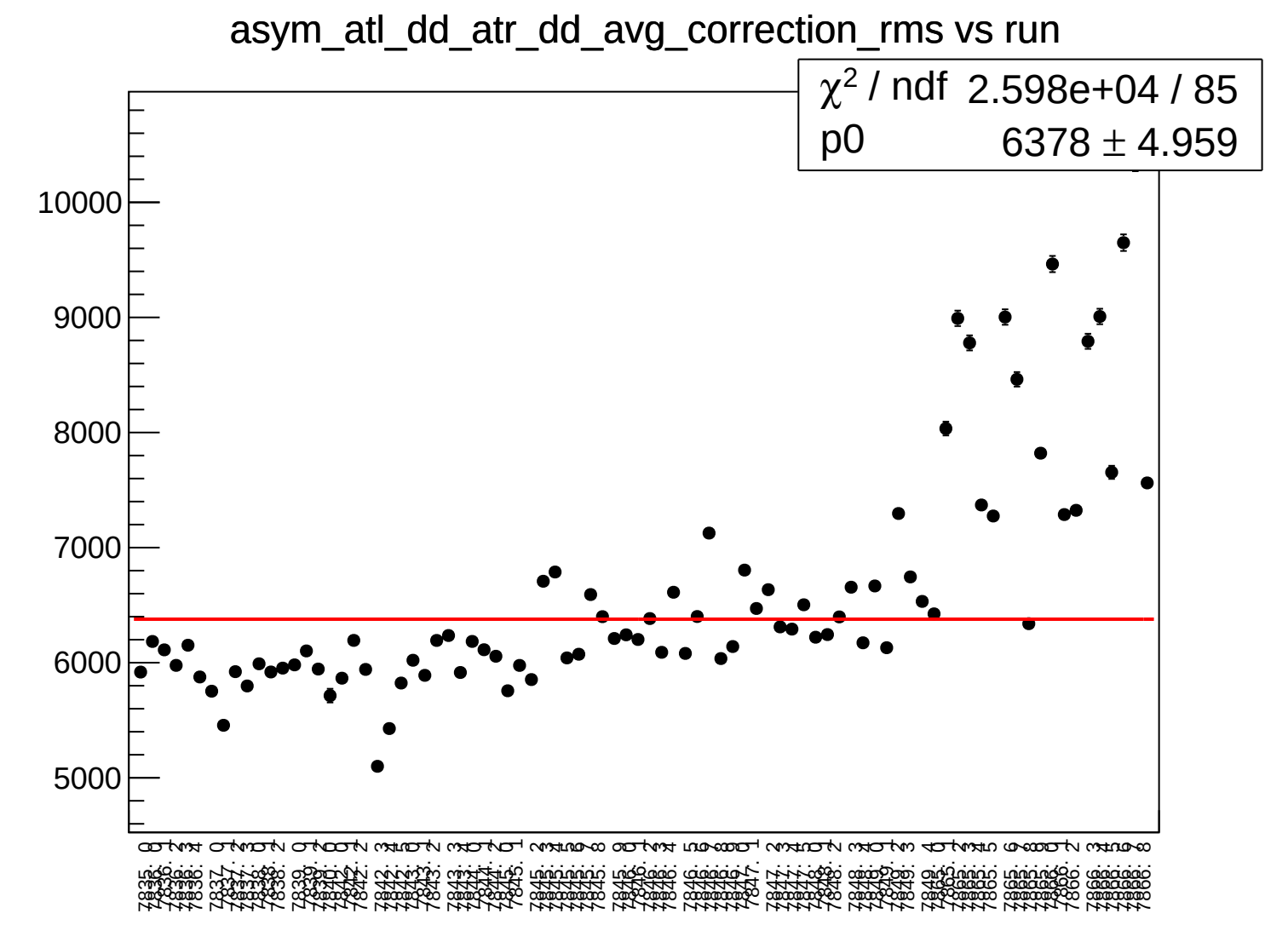

dit_asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 106.4 / 85
p0 −413.3 ± 1449
pull
Entries 86
Mean 43.27
Std Dev 54.02

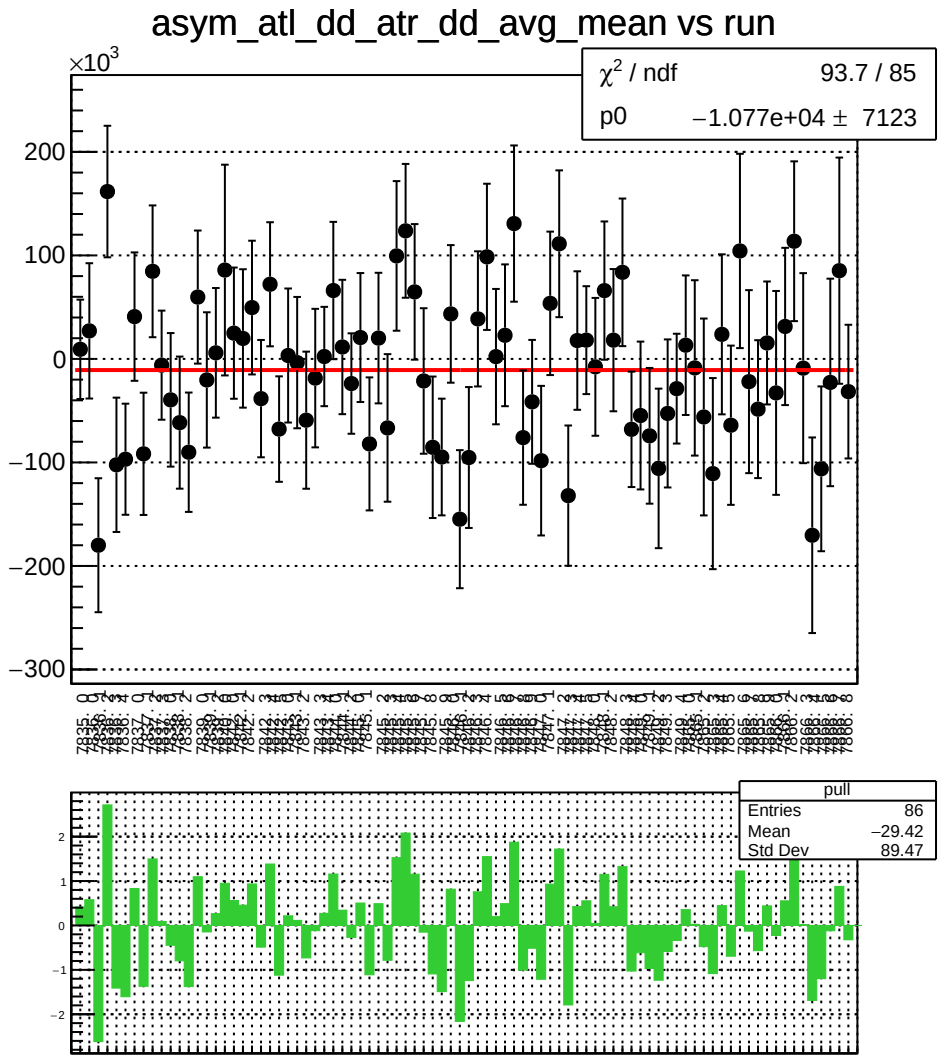

pull1D
Entries 86
Mean −0.01047
Std Dev 1.112

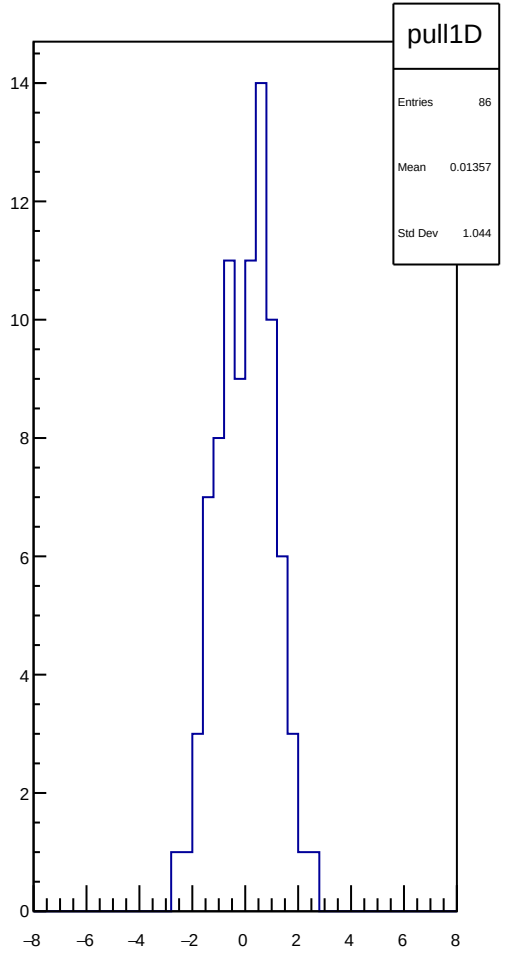

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 1.12e+04 / 85
p0 1324 ± 1.025
4000
3500
3000
2500
2000
1500
1000

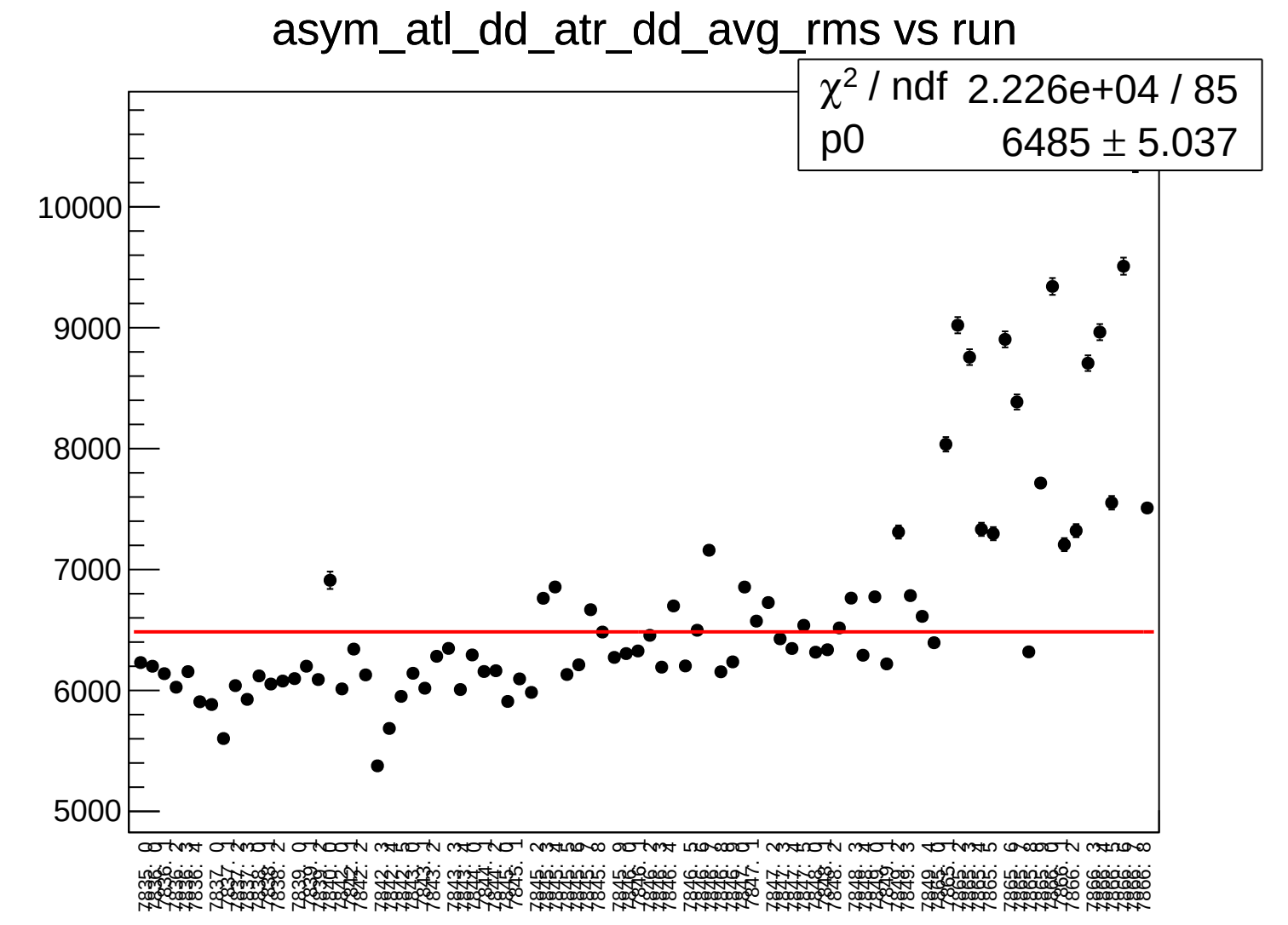

asym_atl_dd_atr_dd_avg_correction_mean vs run
χ² / ndf 101.1 / 85
p0 9899 ± 7014
×10³
pull
Entries 86
Mean −51.77
Std Dev 109.2

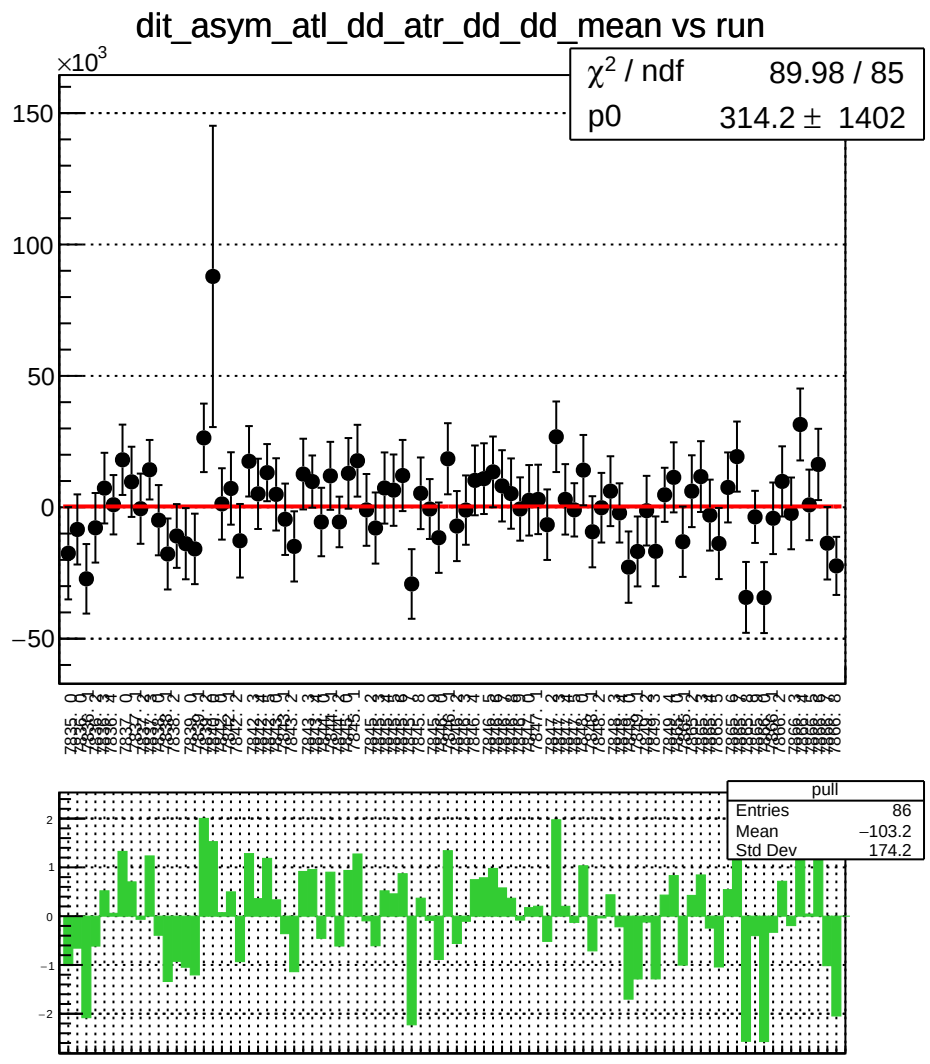

pull1D
Entries 86
Mean −0.01116
Std Dev 1.084

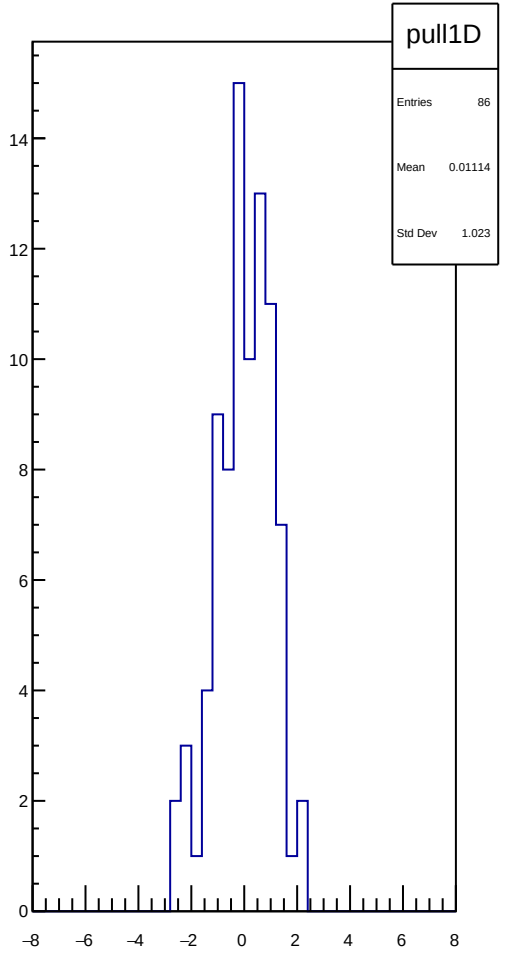

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2.598e+04 / 85
p0 6378 ± 4.959
10000
9000
8000
7000
6000
5000

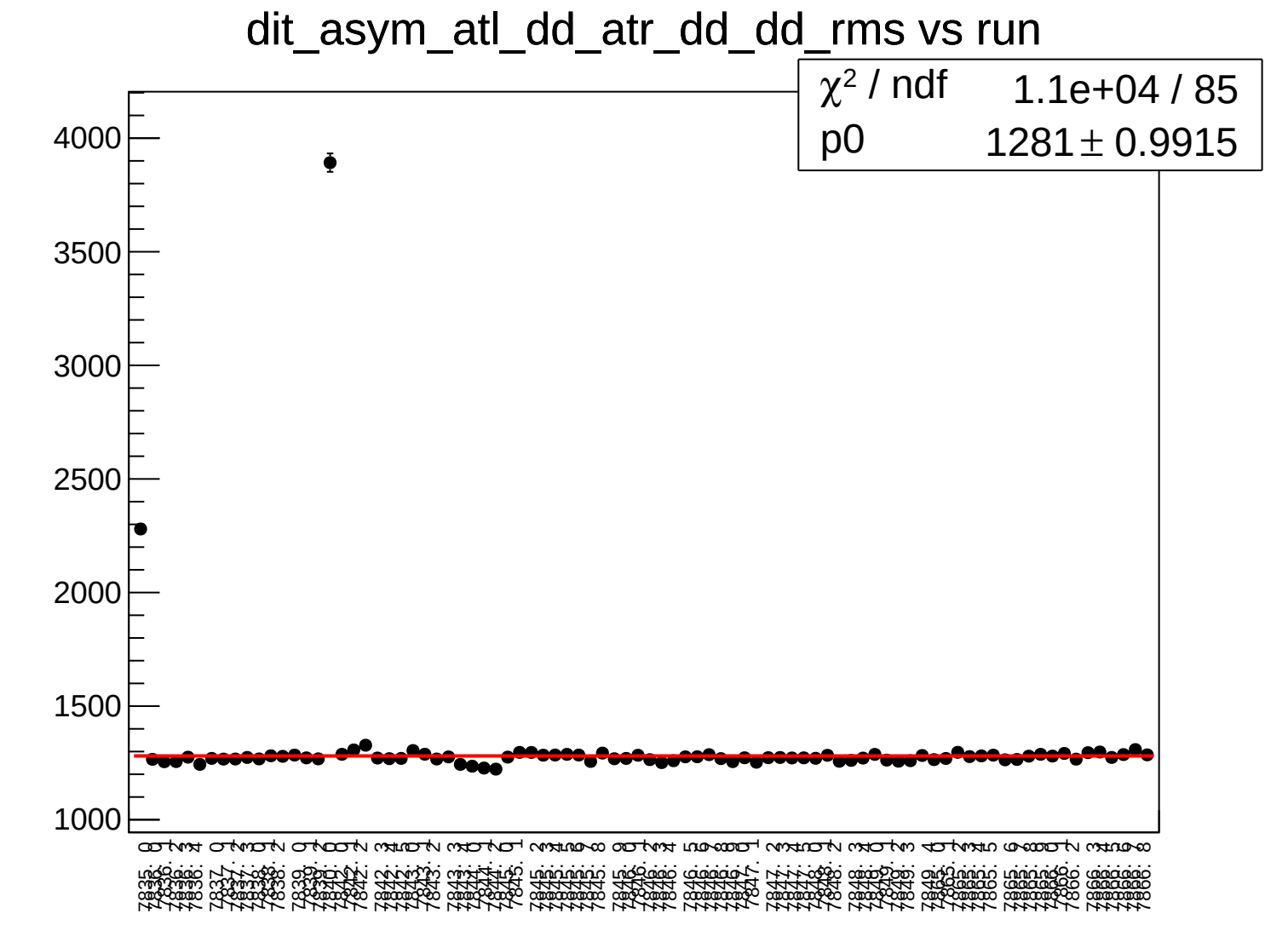

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 93.7 / 85
p0 −1.077e+04 ± 7123
200
100
0
−100
−200
−300
pull
Entries 86
Mean −29.42
Std Dev 89.47
2
1
0
−1
−2

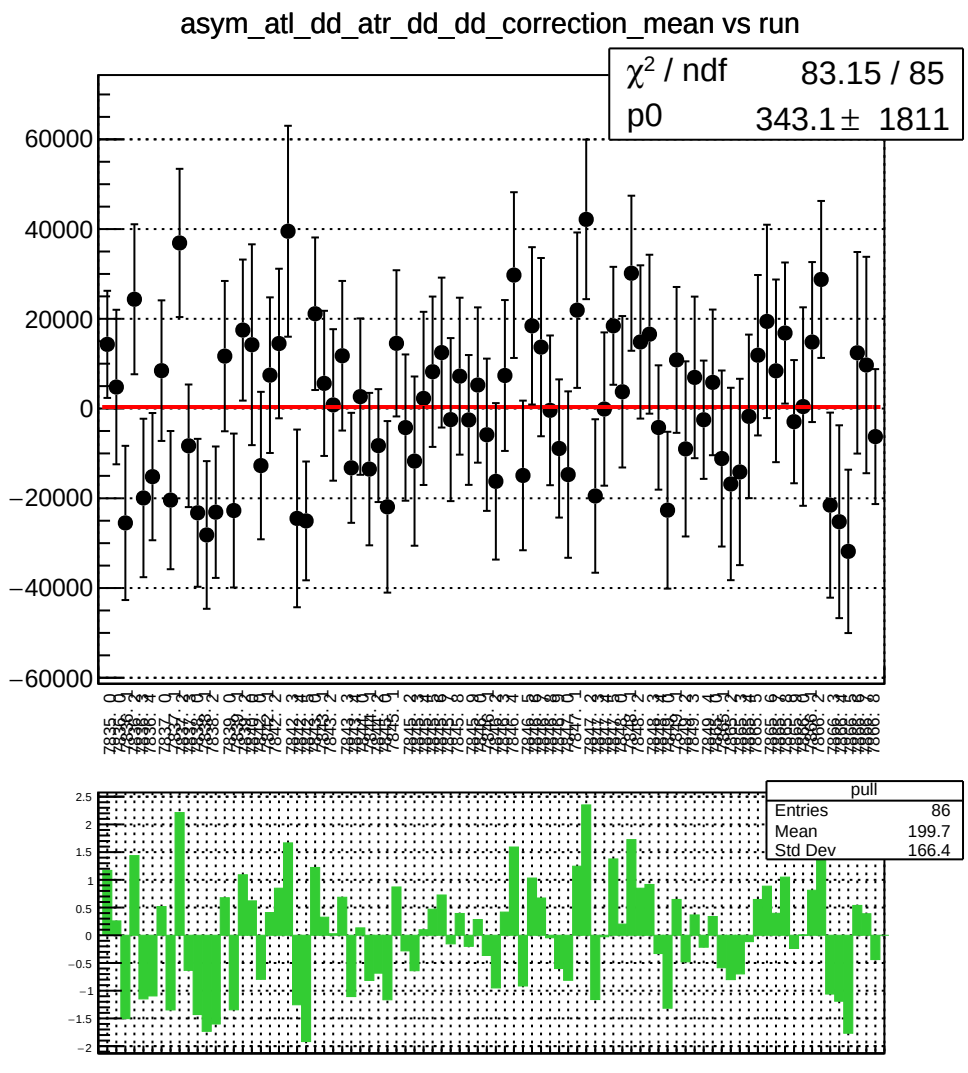

pull1D
Entries 86
Mean 0.01357
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

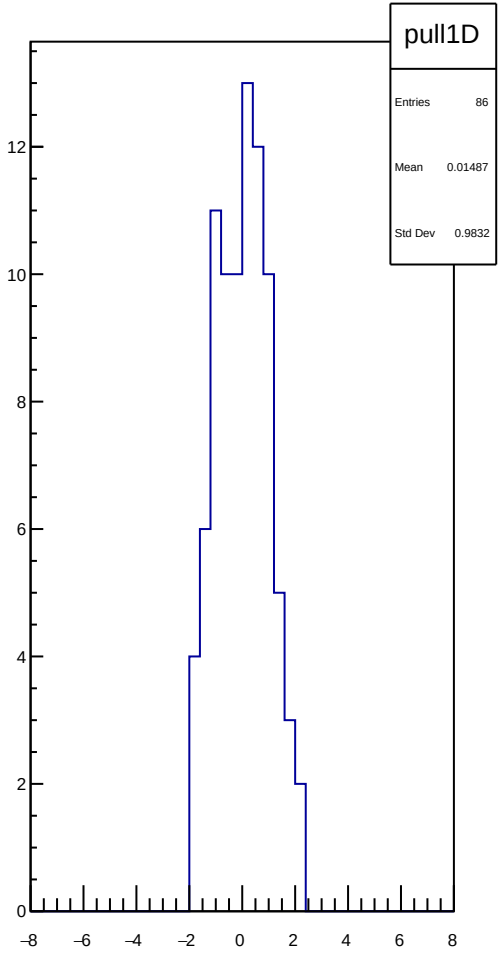

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 2.226e+04 / 85
p0 6485 ± 5.037
10000
9000
8000
7000
6000
5000

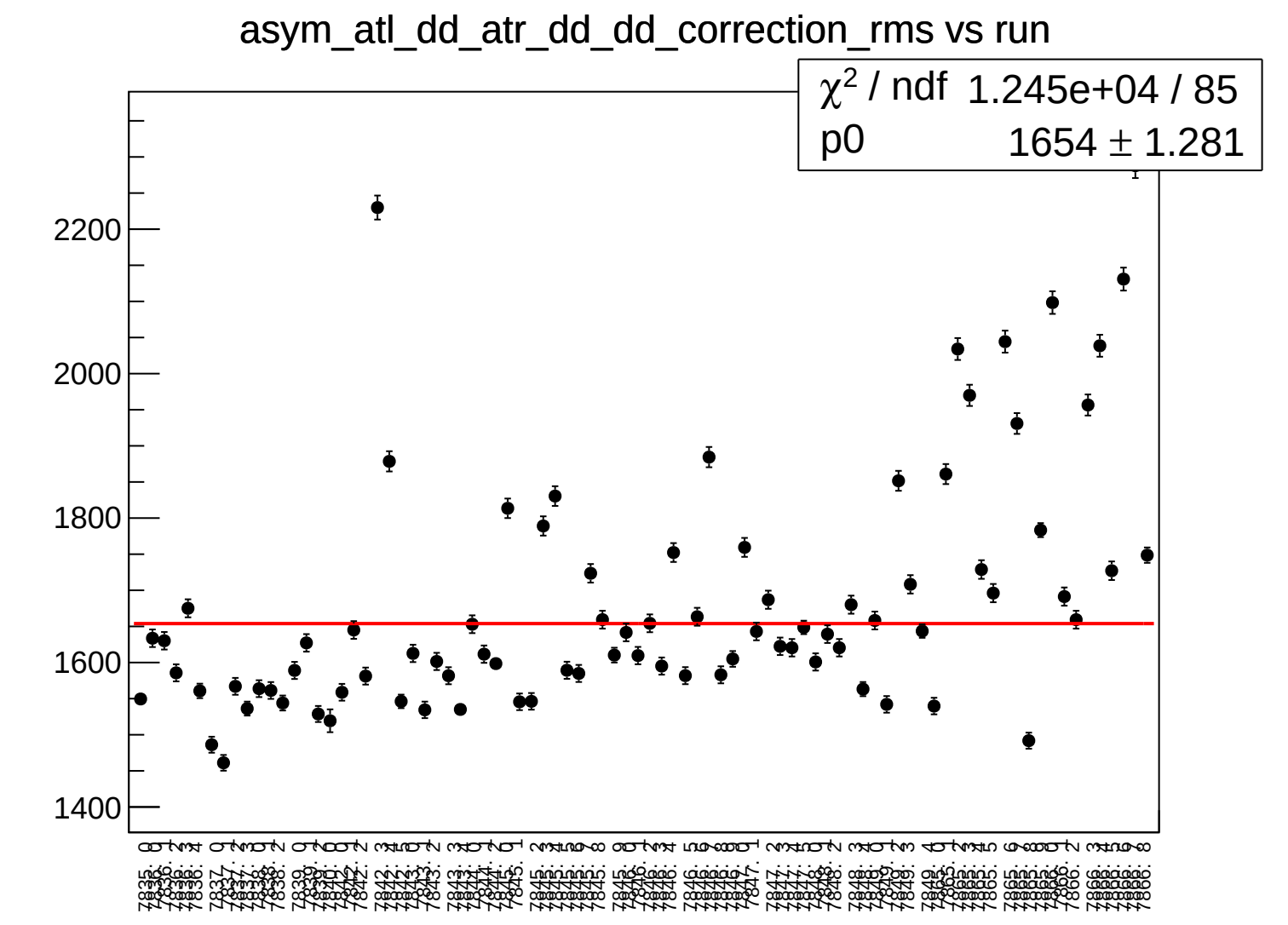

dit_asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 89.98 / 85
p0 314.2 ± 1402
150
100
50
0
−50
pull
Entries 86
Mean −103.2
Std Dev 174.2
2
1
0
−1
−2

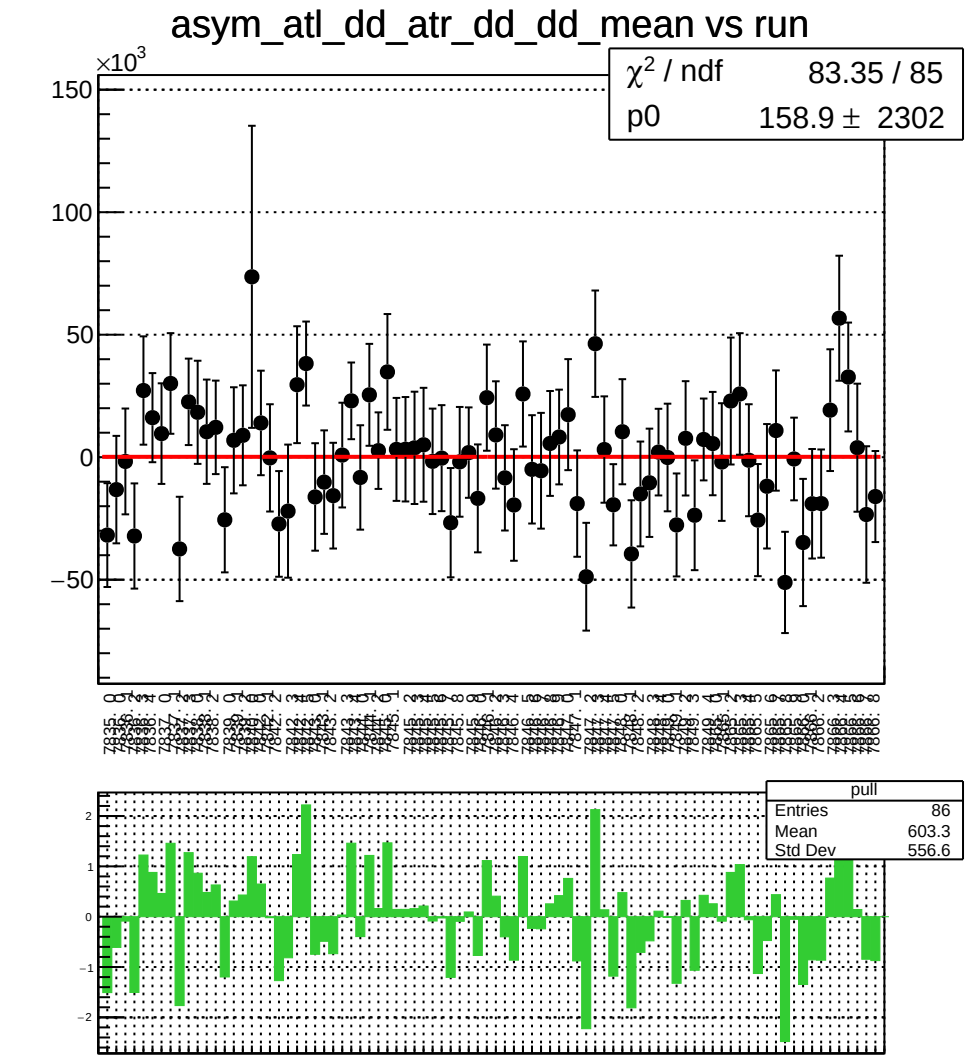

pull1D
Entries 86
Mean 0.01114
Std Dev 1.023
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

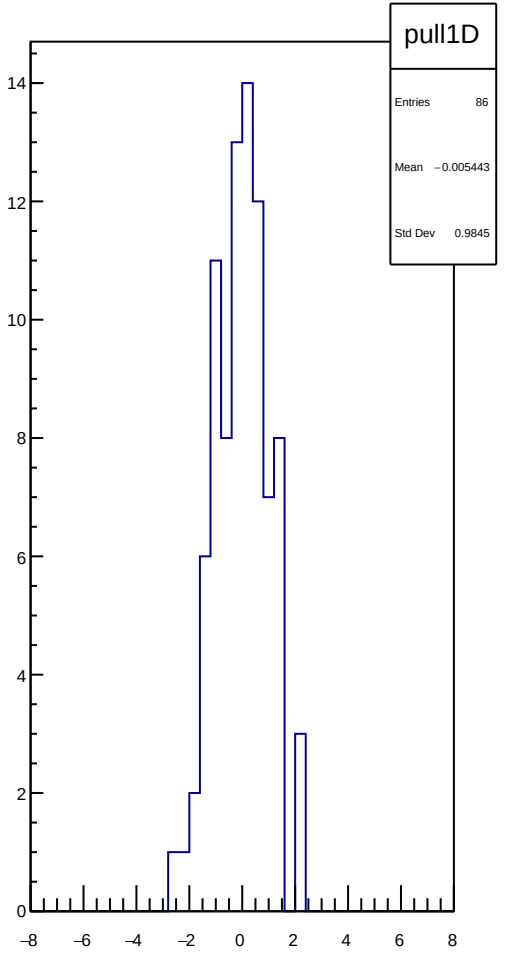

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.1e+04 / 85
p0 1281 ± 0.9915
4000
3500
3000
2500
2000
1500
1000

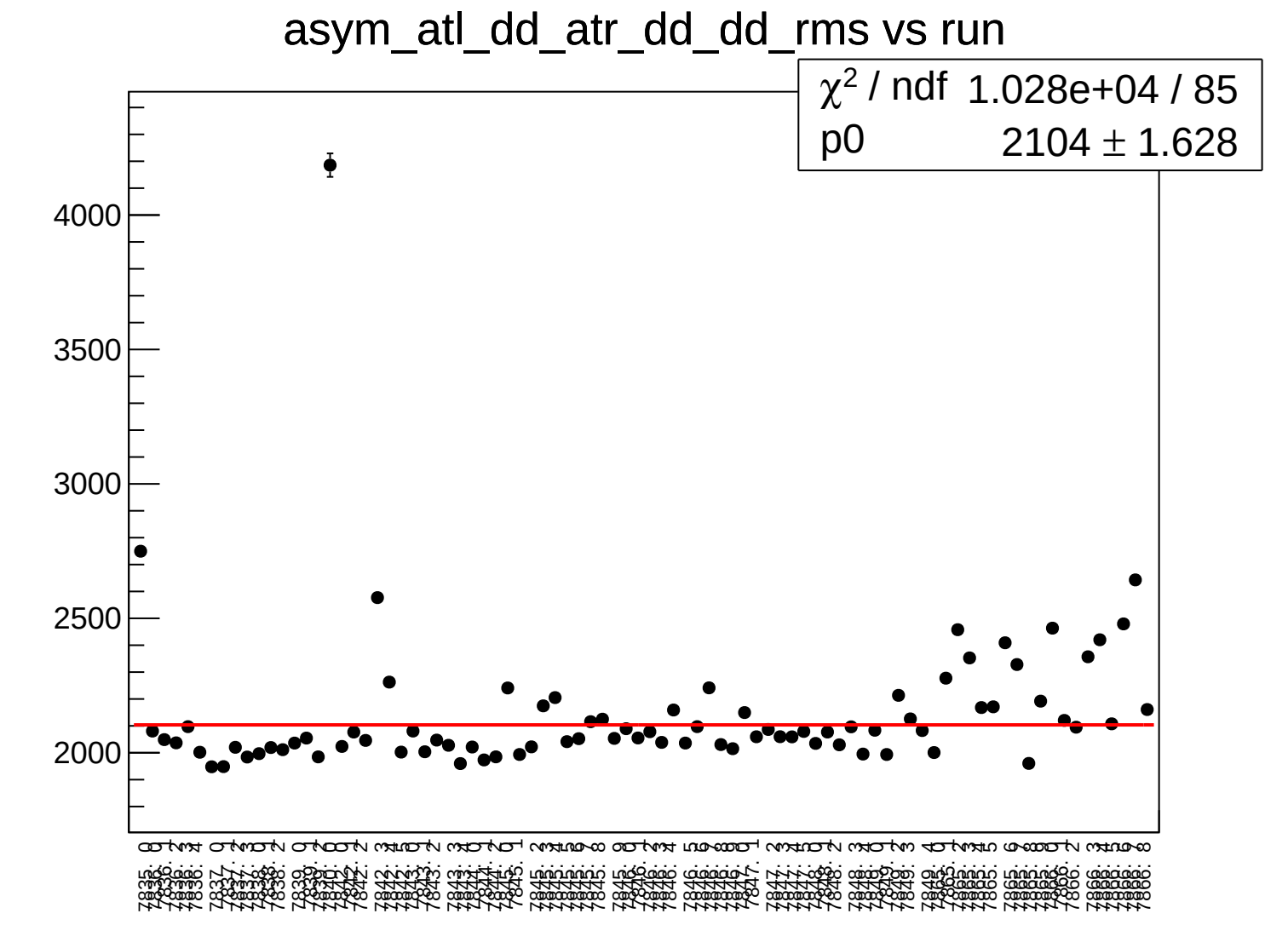

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 83.15 / 85
p0 343.1 ± 1811
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 199.7
Std Dev 166.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

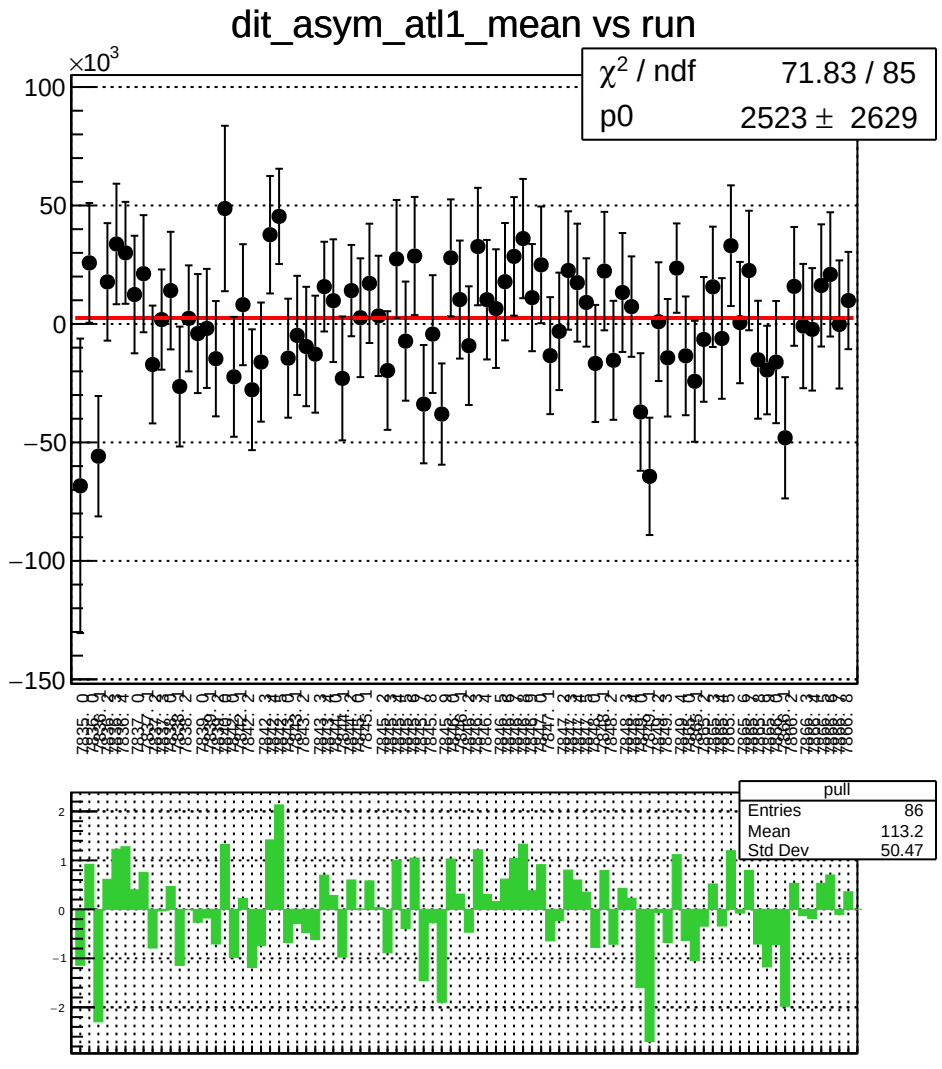

pull1D
Entries 86
Mean 0.01487
Std Dev 0.9832
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

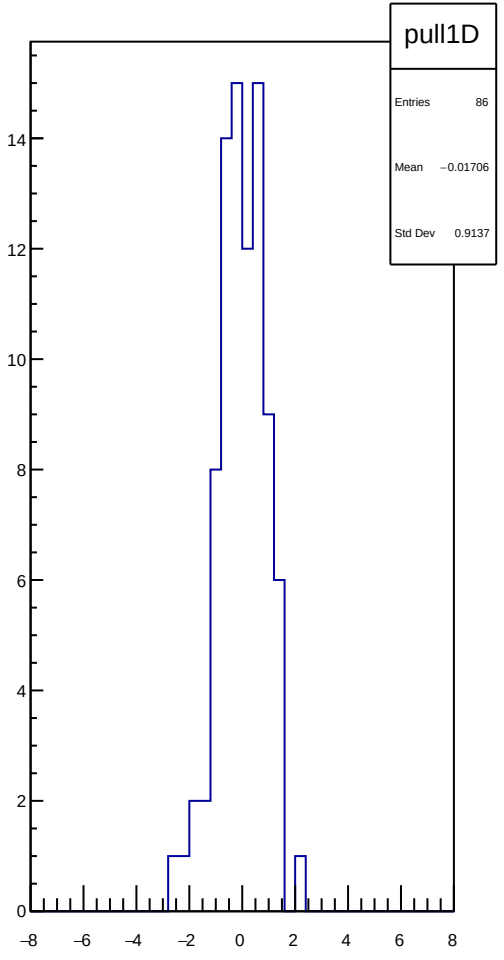

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.245e+04 / 85
p0 1654 ± 1.281
2200
2000
1800
1600
1400

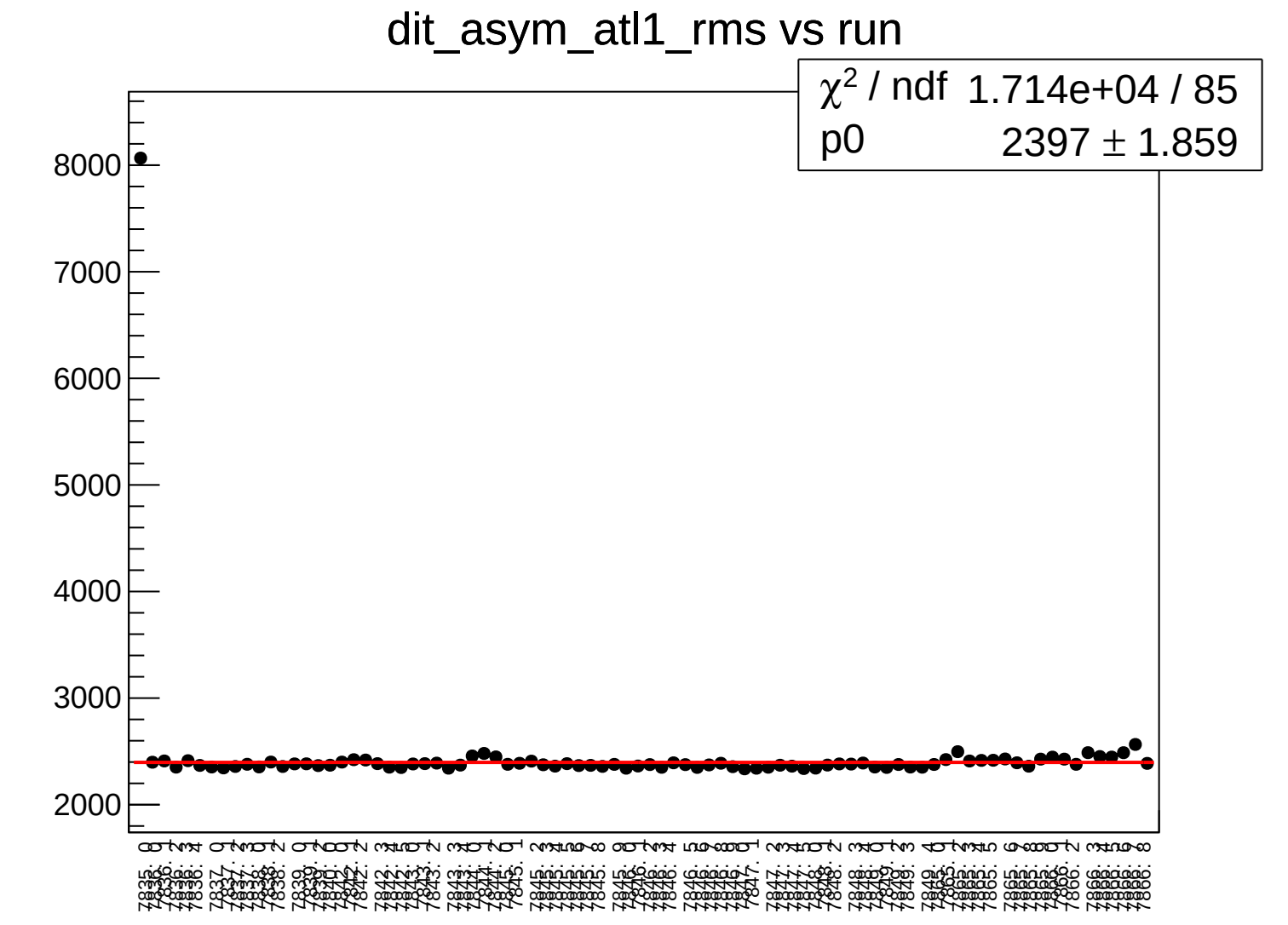

asym_atl_dd_atr_dd_dd_mean vs run
×10^3
χ² / ndf 83.35 / 85
p0 158.9 ± 2302
150
100
50
0
−50
pull
Entries 86
Mean 603.3
Std Dev 556.6
2
1
0
−1
−2

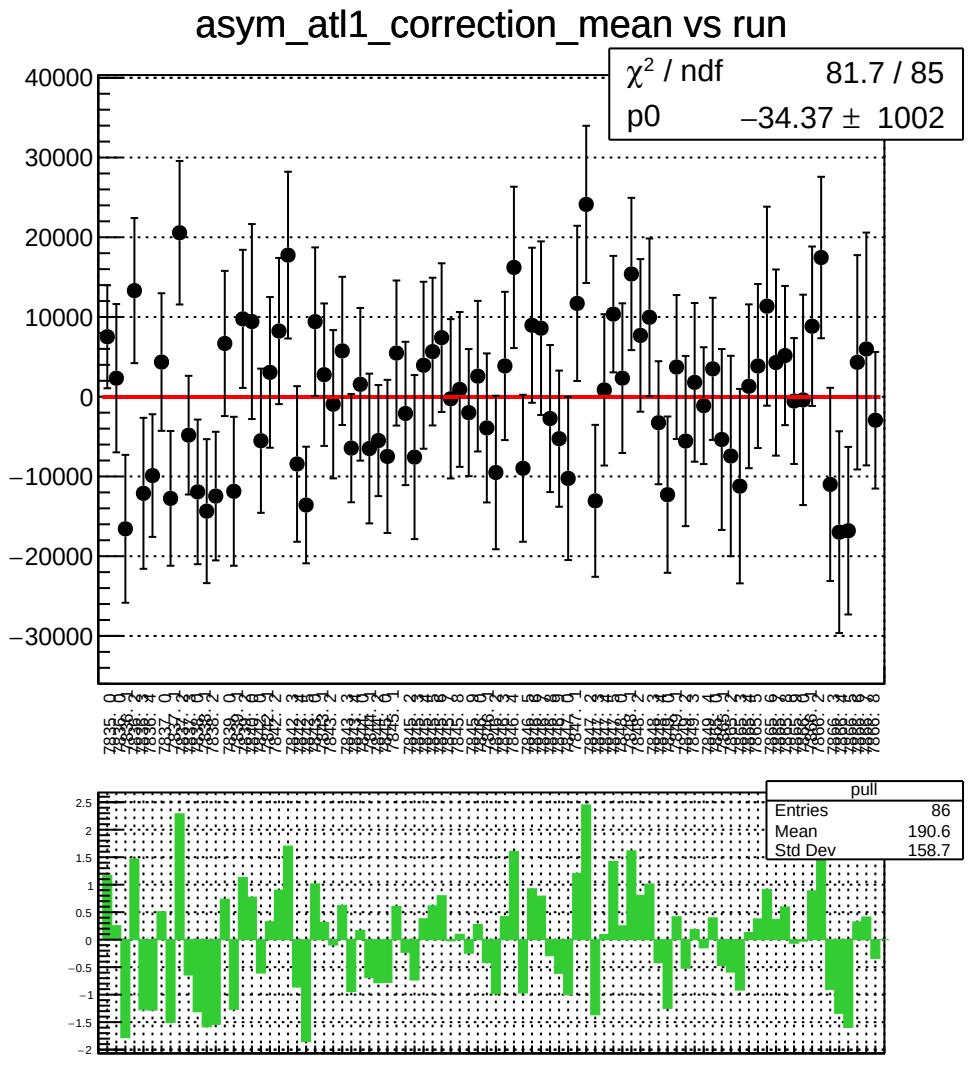

pull1D
Entries 86
Mean −0.005443
Std Dev 0.9845
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

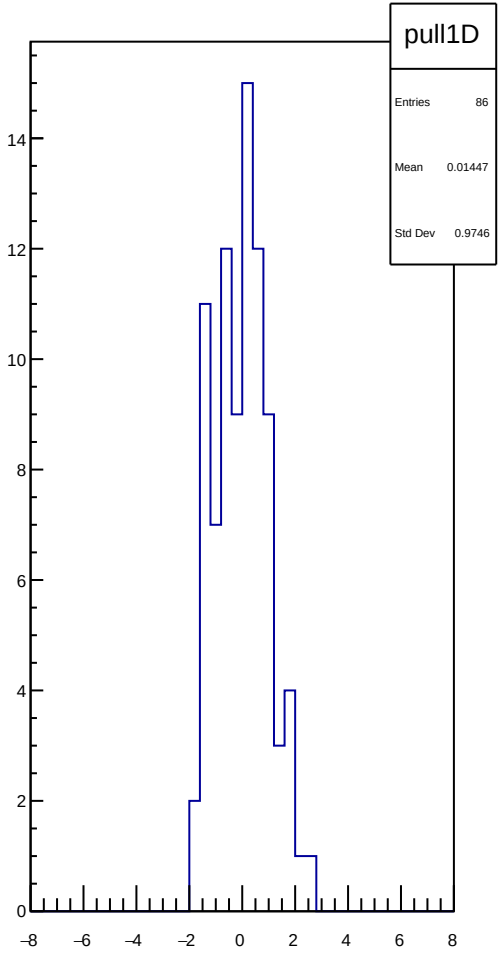

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1.028e+04 / 85
p0 2104 ± 1.628
4000
3500
3000
2500
2000

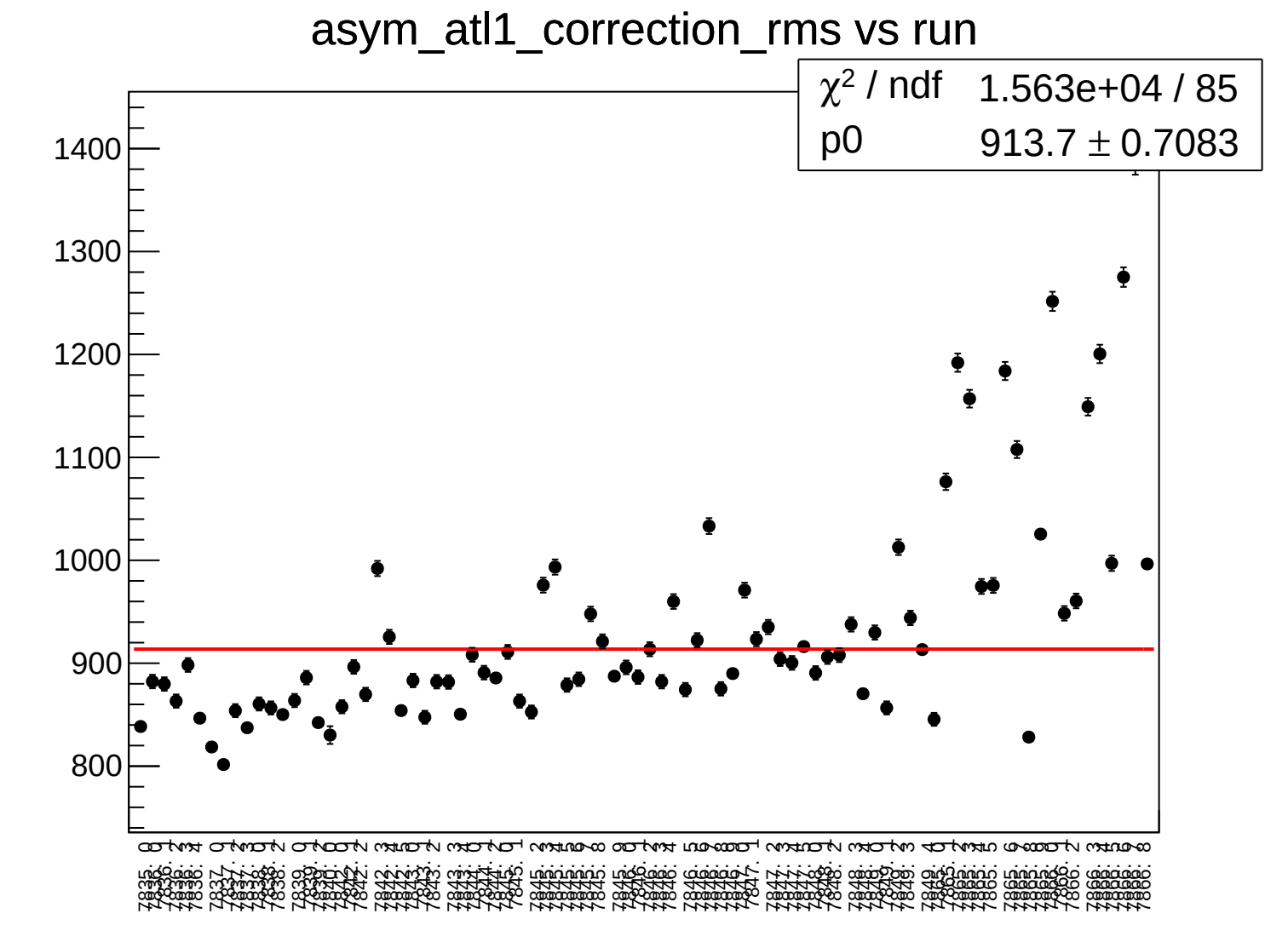

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 71.83 / 85
p0 2523 ± 2629
pull
Entries 86
Mean 113.2
Std Dev 50.47

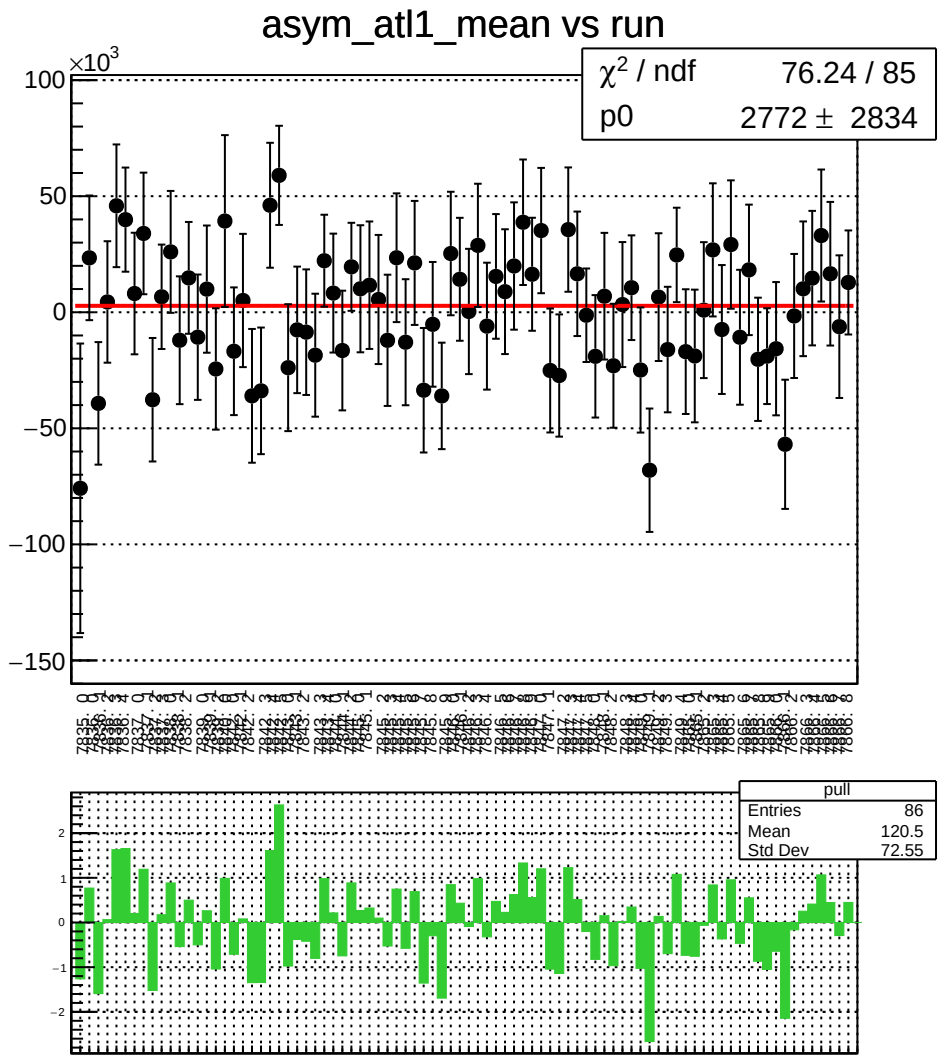

pull1D
Entries 86
Mean −0.01706
Std Dev 0.9137

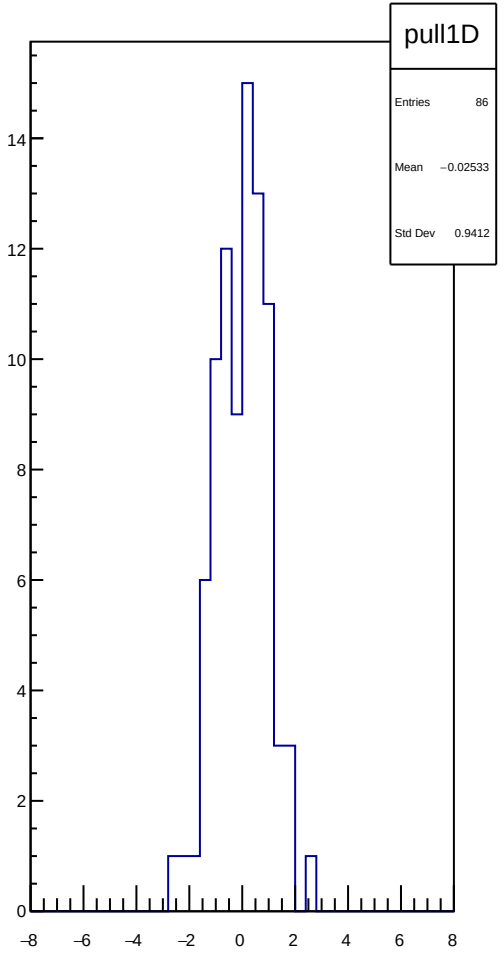

dit_asym_atl1_rms vs run
χ² / ndf 1.714e+04 / 85
p0 2397 ± 1.859
8000
7000
6000
5000
4000
3000
2000

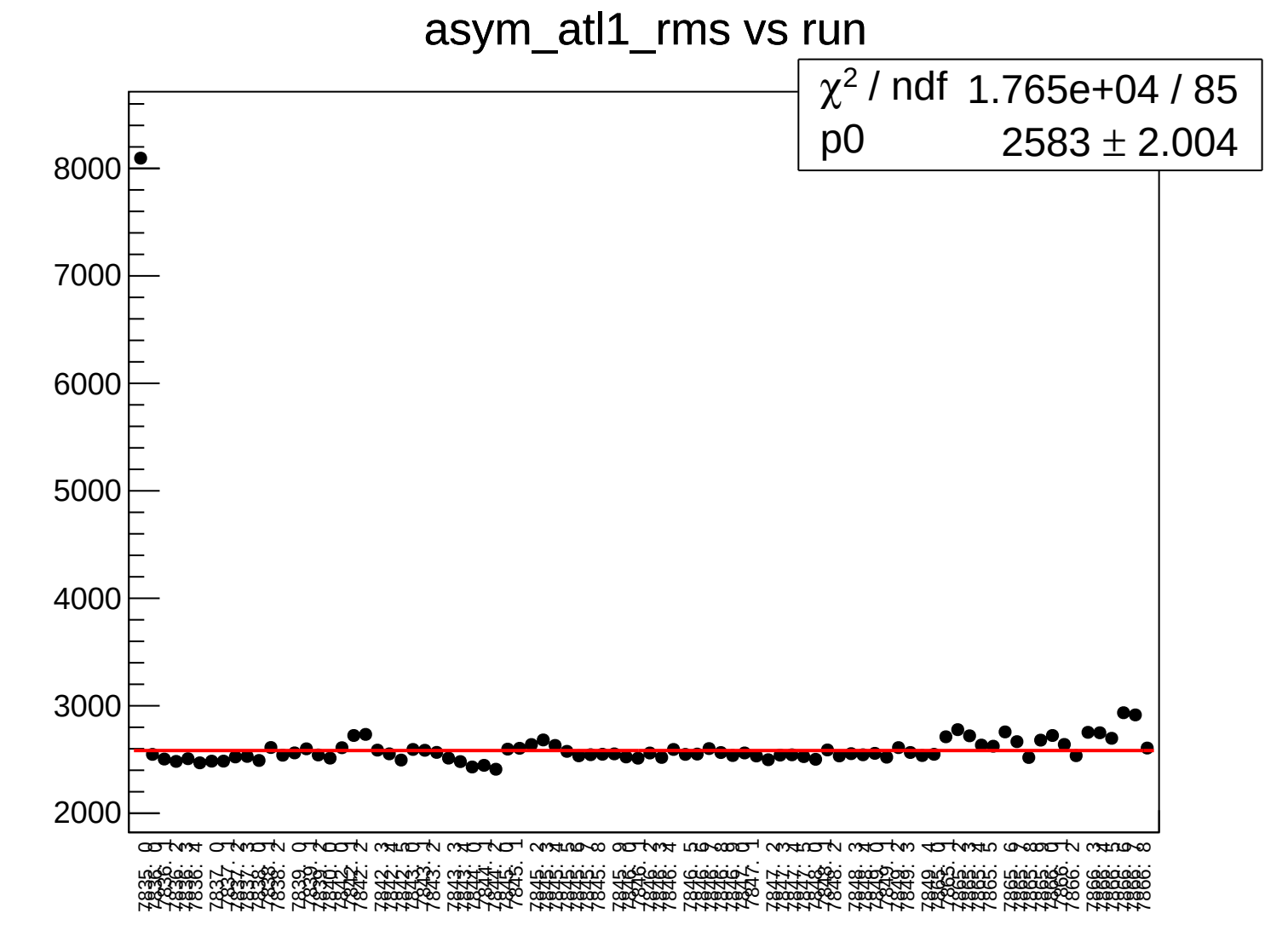

asym_atl1_correction_mean vs run
χ² / ndf 81.7 / 85
p0 −34.37 ± 1002
pull
Entries 86
Mean 190.6
Std Dev 158.7

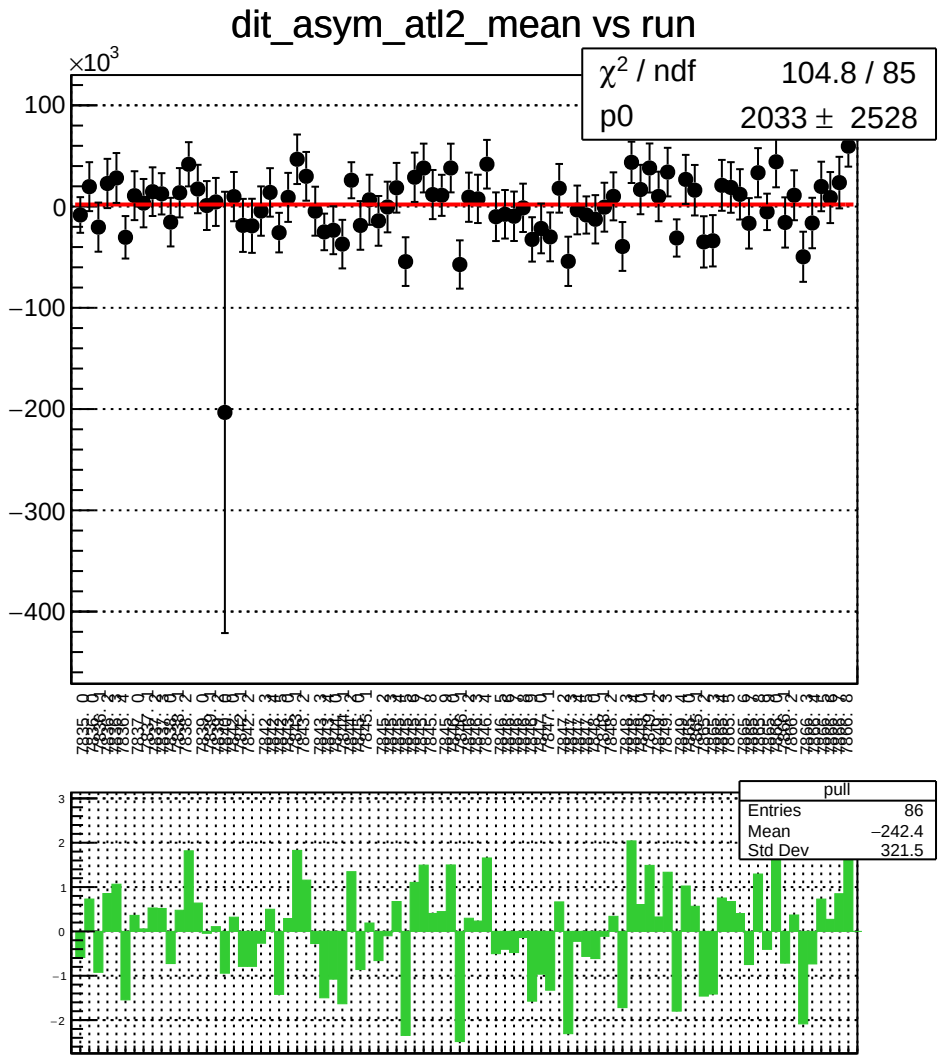

pull1D
Entries 86
Mean 0.01447
Std Dev 0.9746

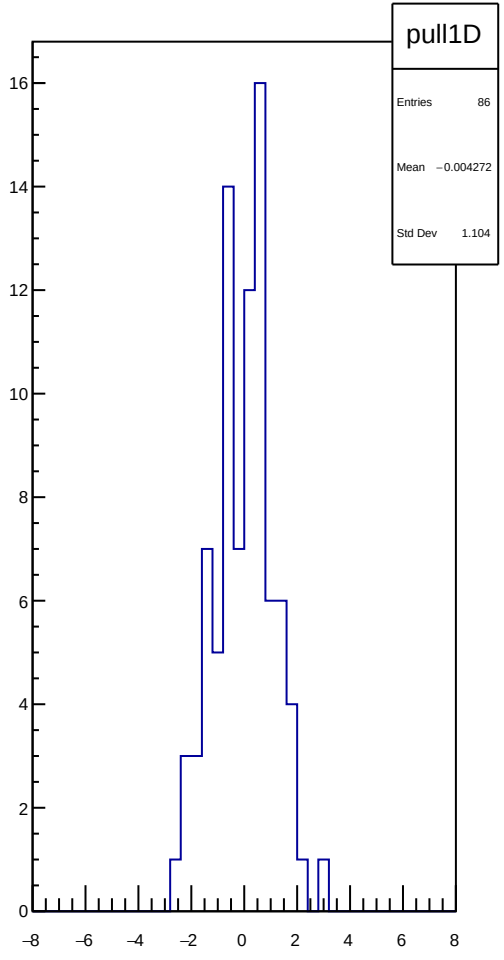

asym_atl1_correction_rms vs run
χ² / ndf 1.563e+04 / 85
p0 913.7 ± 0.7083
1400
1300
1200
1100
1000
900
800

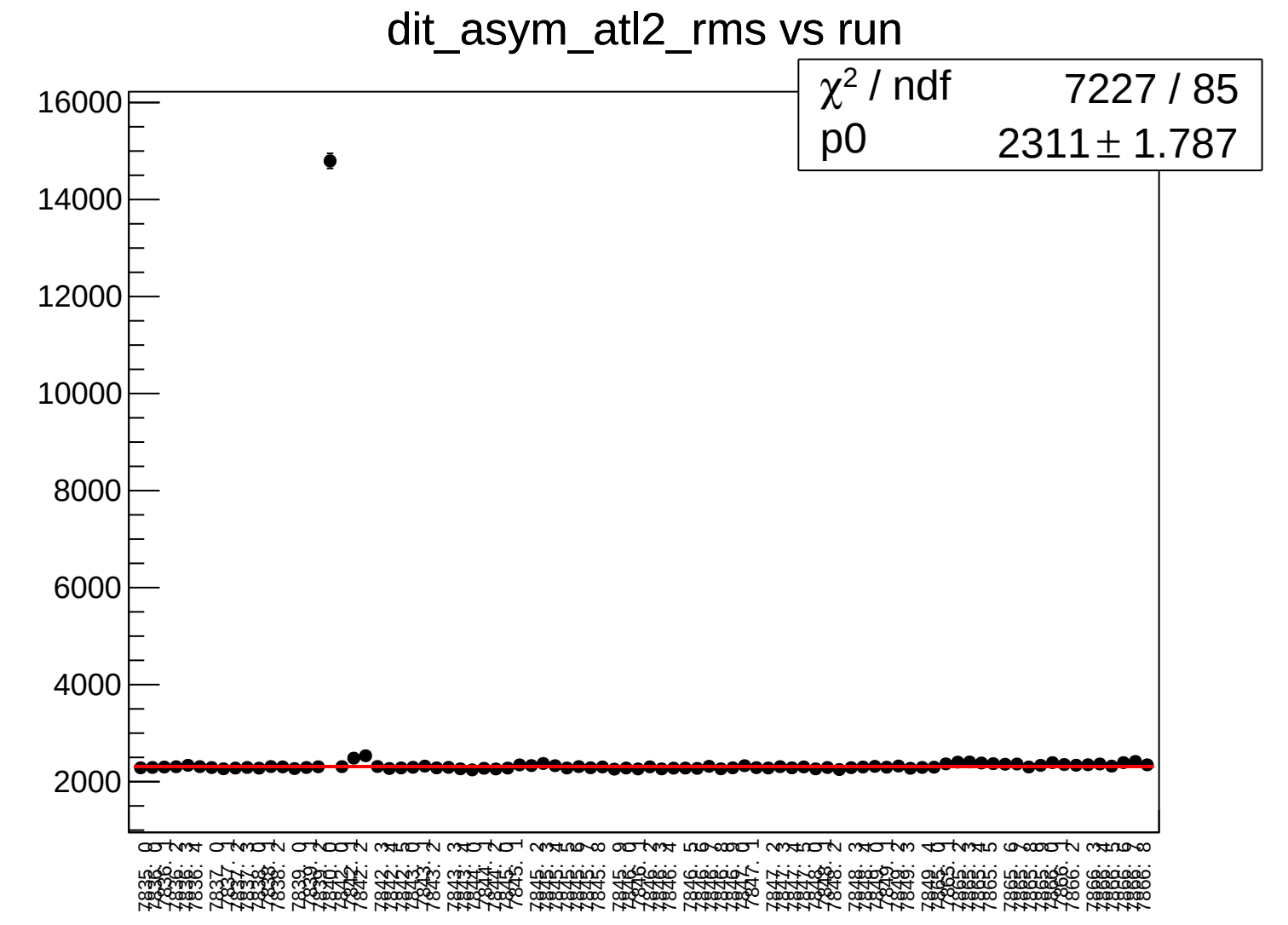

asym_atl1_mean vs run
×10^3
χ² / ndf 76.24 / 85
p0 2772 ± 2834
pull
Entries 86
Mean 120.5
Std Dev 72.55

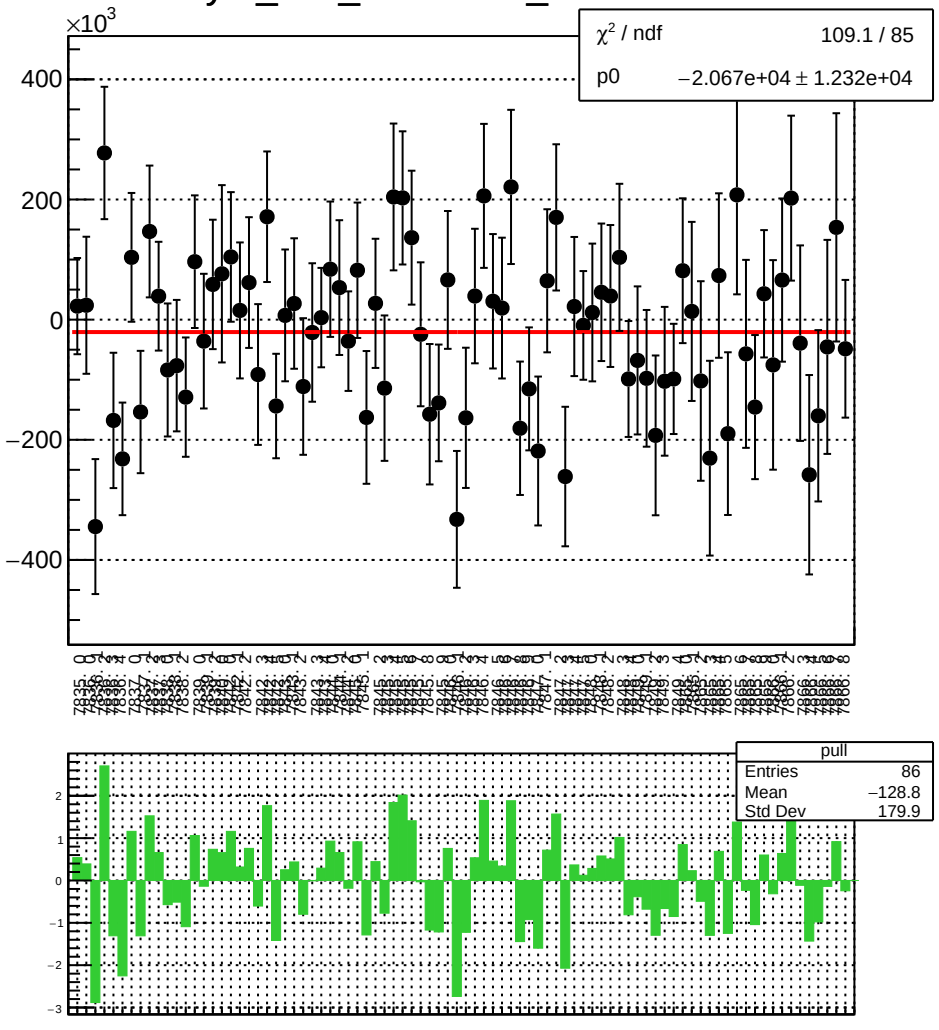

pull1D
Entries 86
Mean −0.02533
Std Dev 0.9412

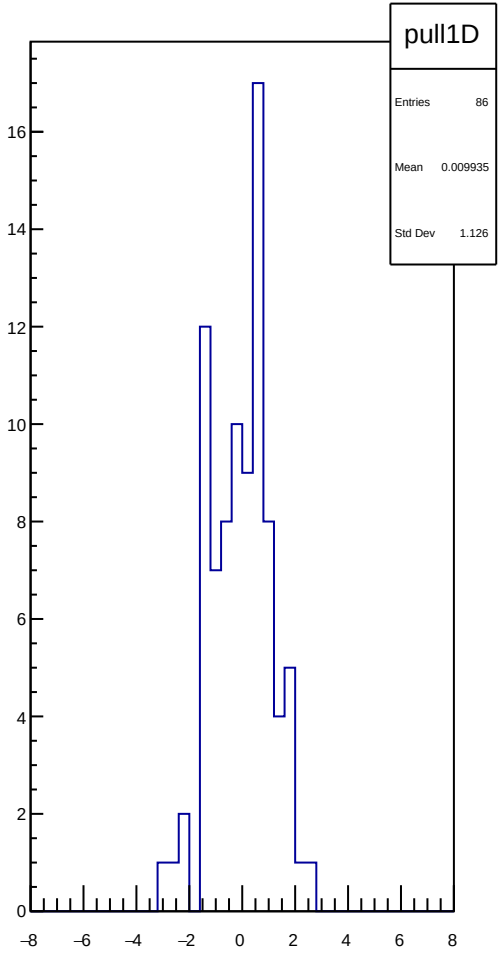

asym_atl1_rms vs run
χ^2 / ndf 1.765e+04 / 85
p0 2583 ± 2.004
8000
7000
6000
5000
4000
3000
2000

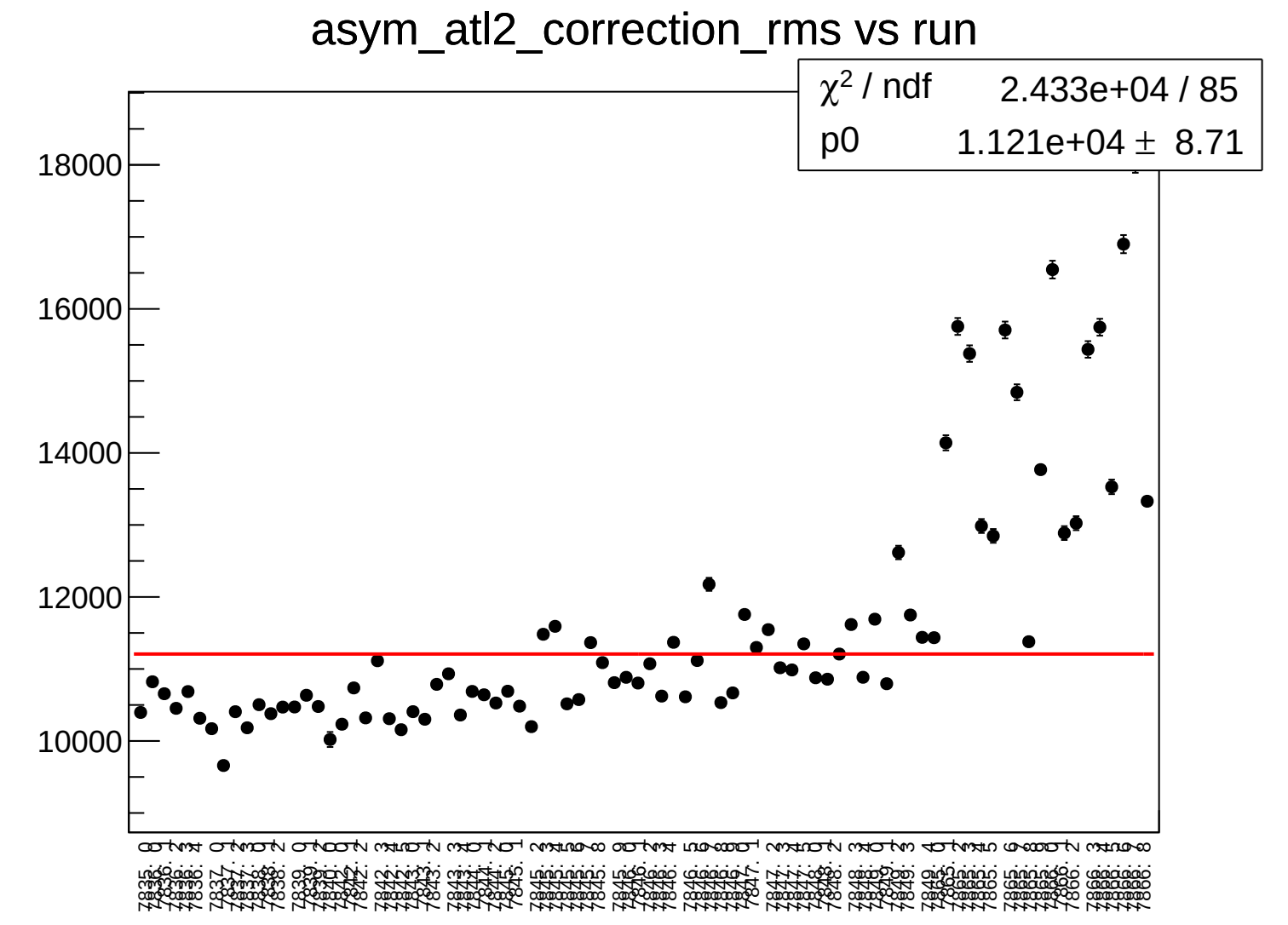

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 104.8 / 85
p0 2033 ± 2528
100
0
−100
−200
−300
−400
pull
Entries 86
Mean −242.4
Std Dev 321.5
3
2
1
0
−1
−2

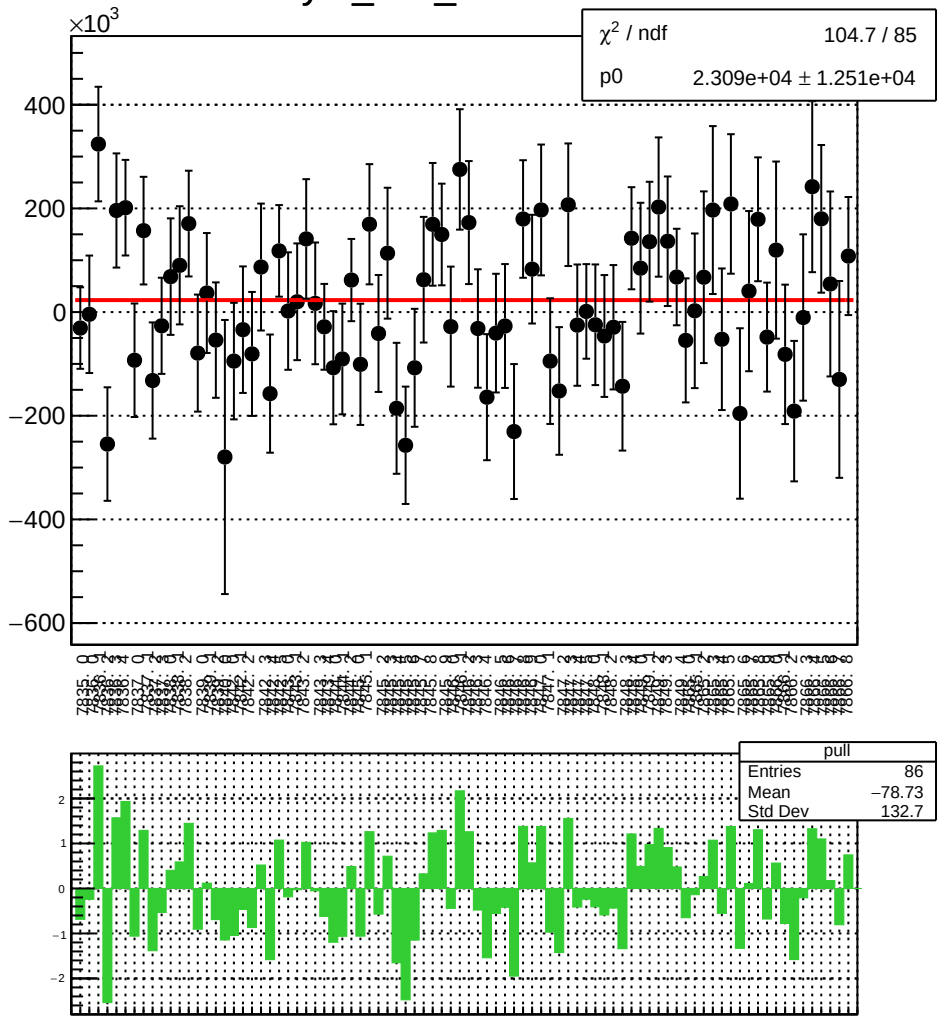

pull1D
Entries 86
Mean −0.004272
Std Dev 1.104
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

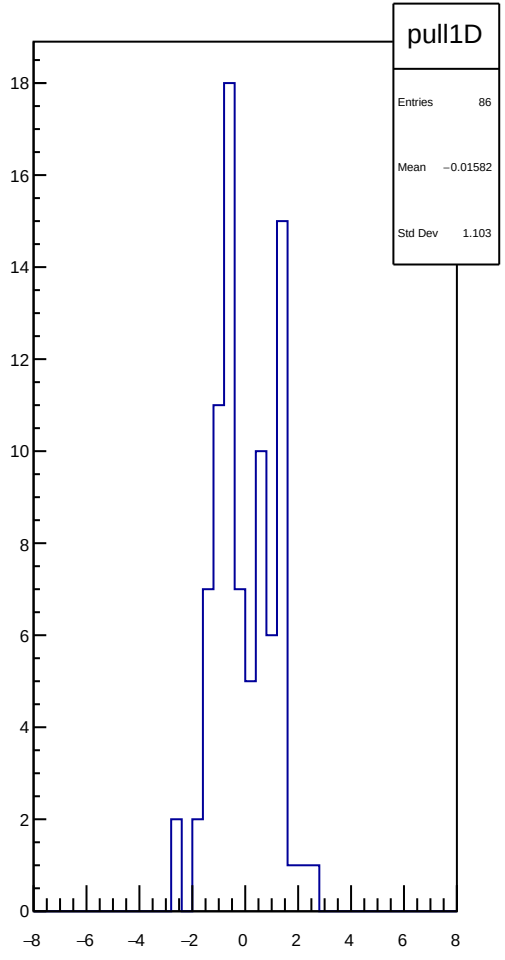

dit_asym_atl2_rms vs run
χ^2 / ndf 7227 / 85
p0 2311 ± 1.787
16000
14000
12000
10000
8000
6000
4000
2000

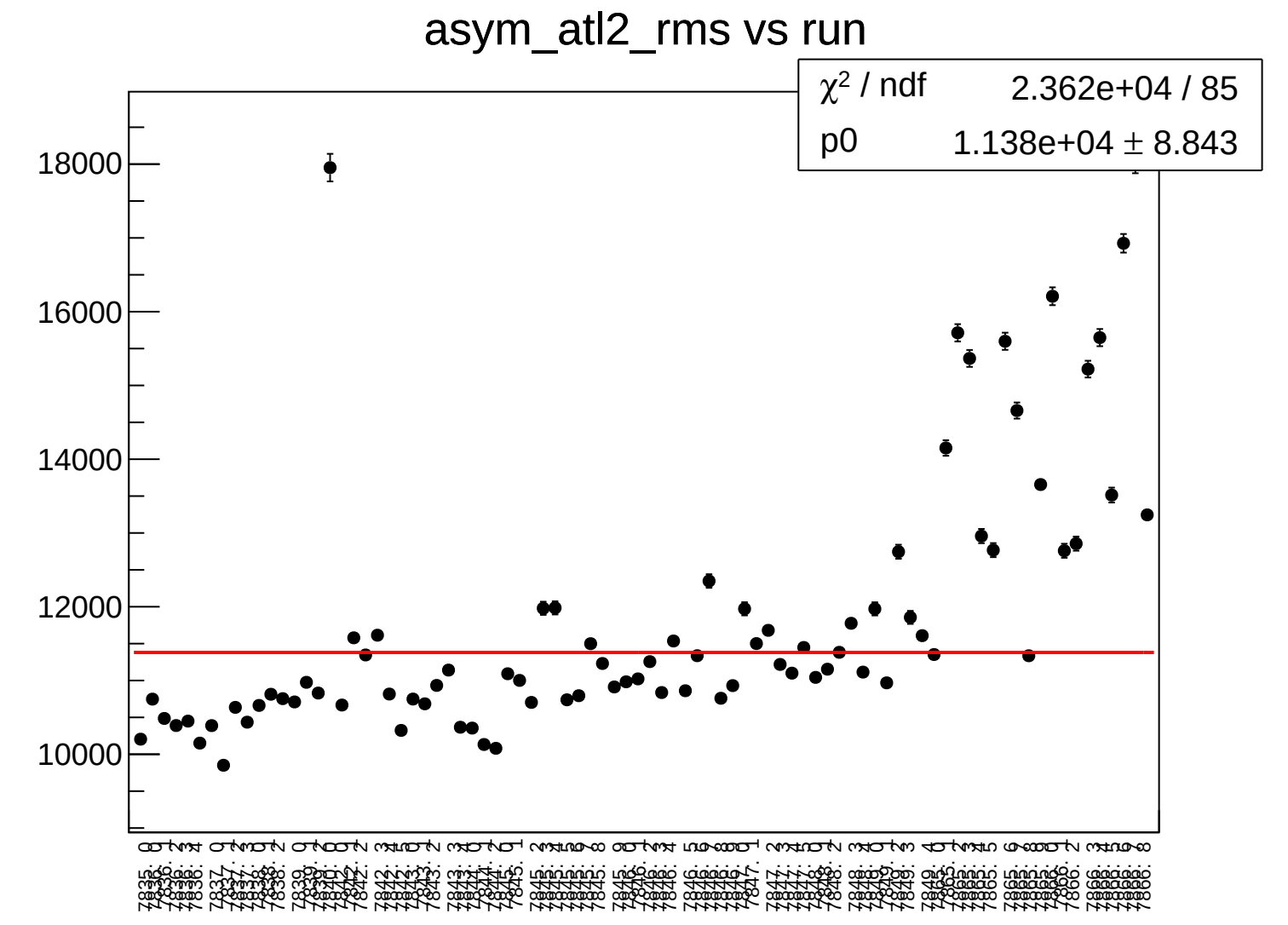

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 109.1 / 85
p0 −2.067e+04 ± 1.232e+04
400
200
0
−200
−400
pull
Entries 86
Mean −128.8
Std Dev 179.9
2
1
0
−1
−2
−3

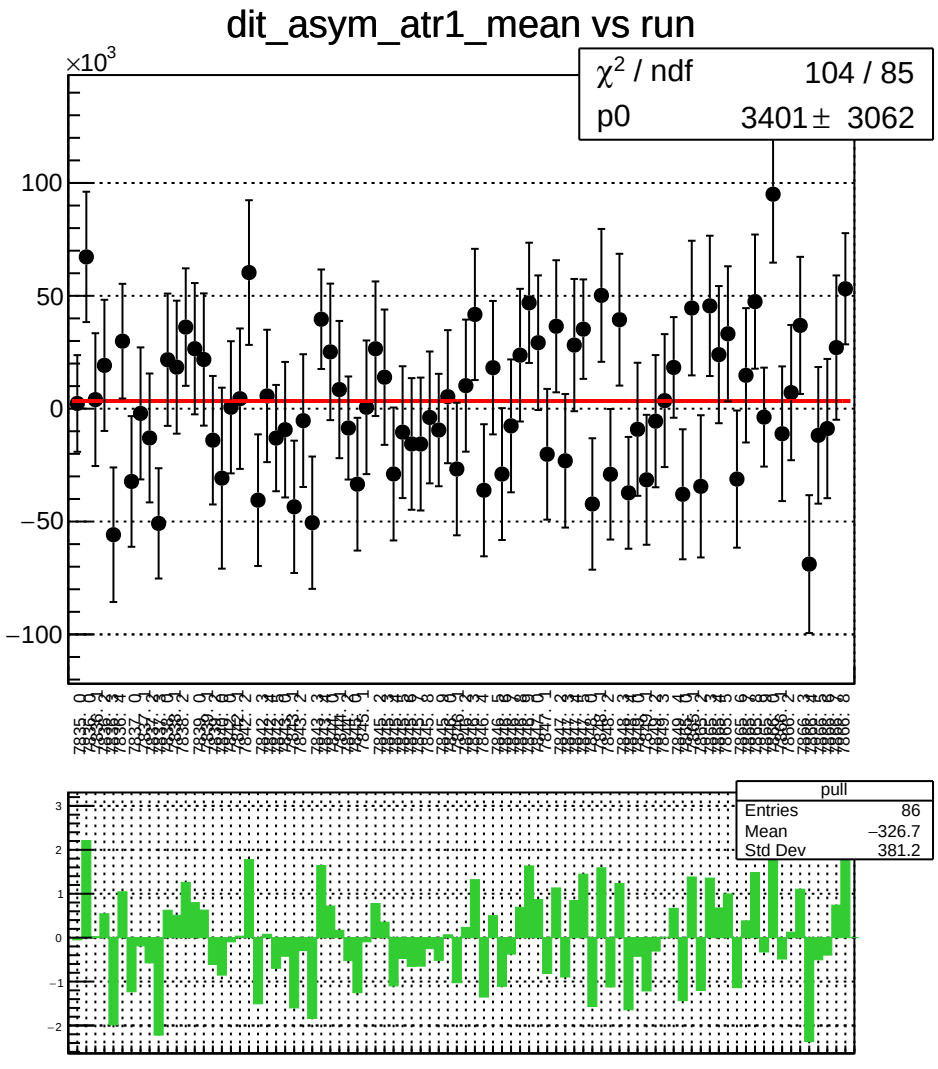

pull1D
Entries 86
Mean 0.009935
Std Dev 1.126
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

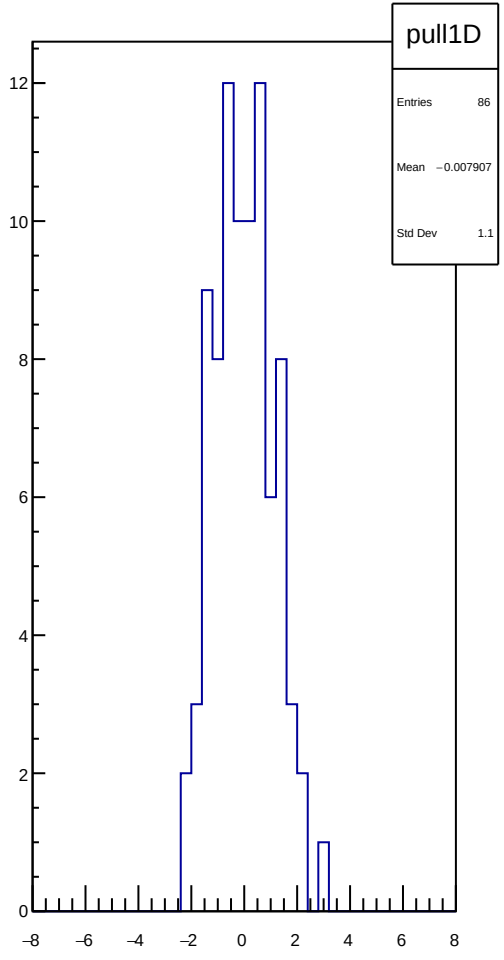

asym_atl2_correction_rms vs run
χ² / ndf 2.433e+04 / 85
p0 1.121e+04 ± 8.71
18000
16000
14000
12000
10000

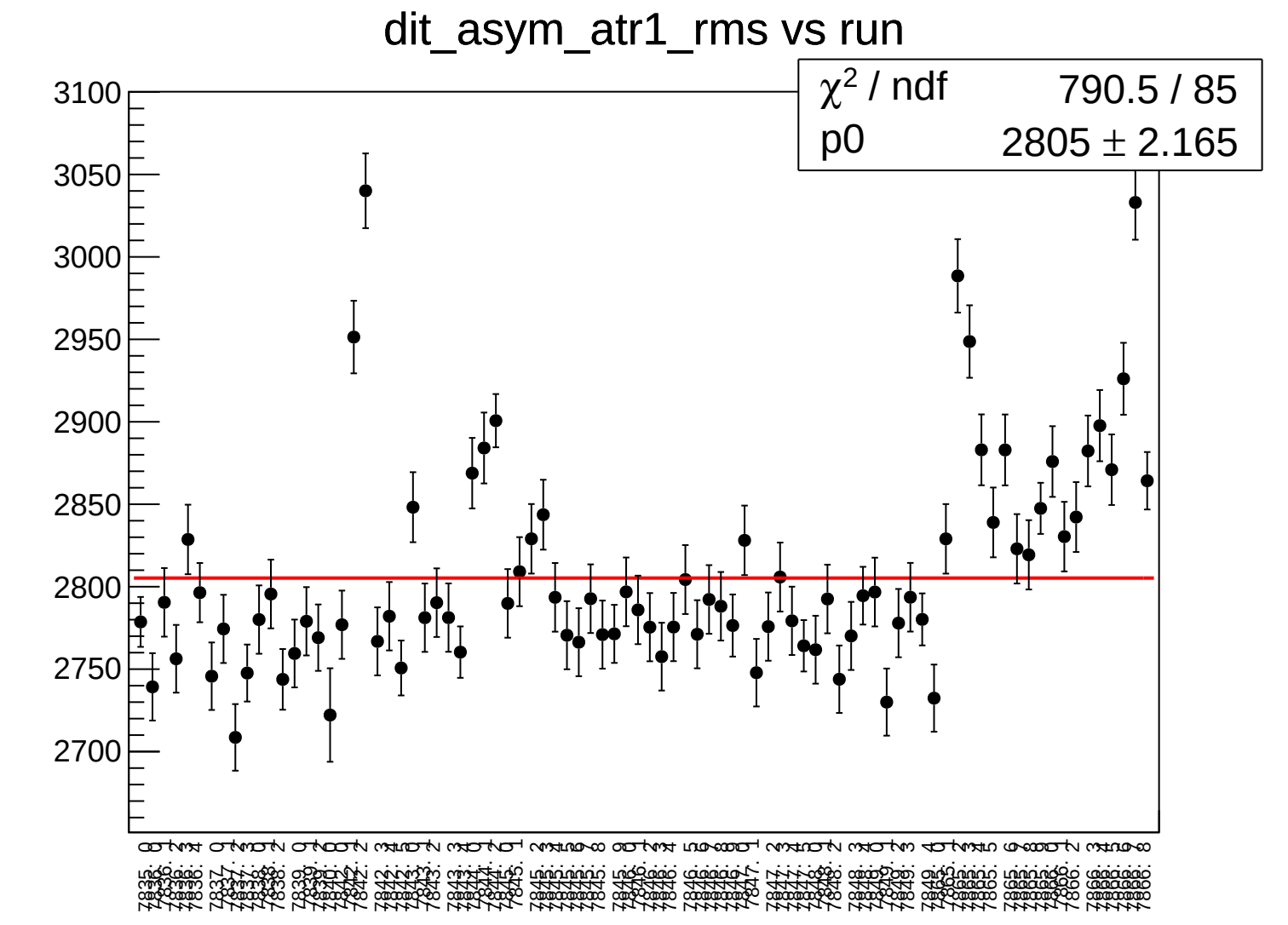

asym_atl2_mean vs run
×10^3
χ² / ndf 104.7 / 85
p0 2.309e+04 ± 1.251e+04
pull
Entries 86
Mean −78.73
Std Dev 132.7

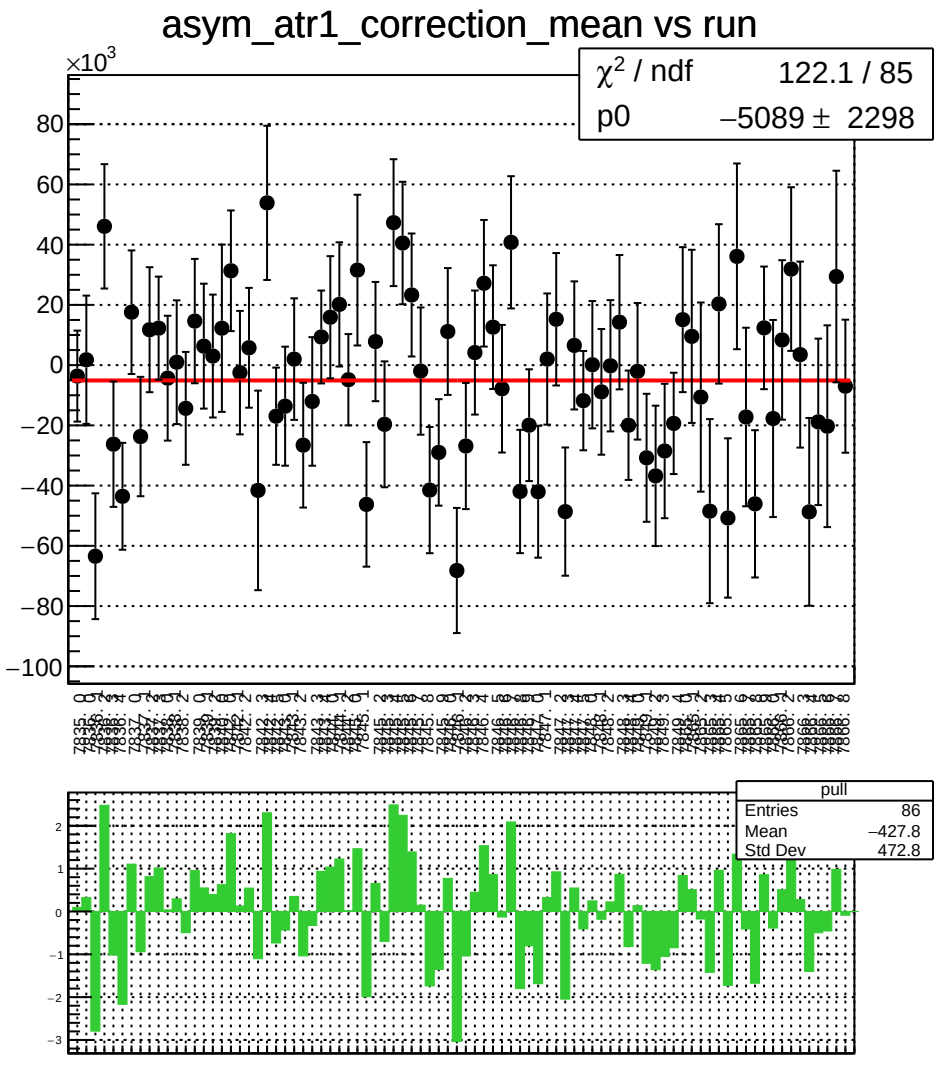

pull1D
Entries 86
Mean −0.01582
Std Dev 1.103

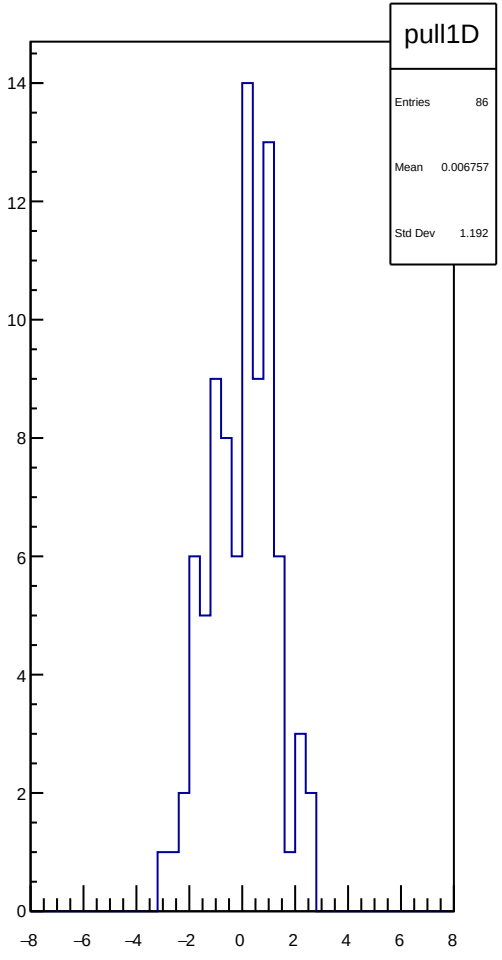

asym_atl2_rms vs run
χ² / ndf 2.362e+04 / 85
p0 1.138e+04 ± 8.843
18000
16000
14000
12000
10000

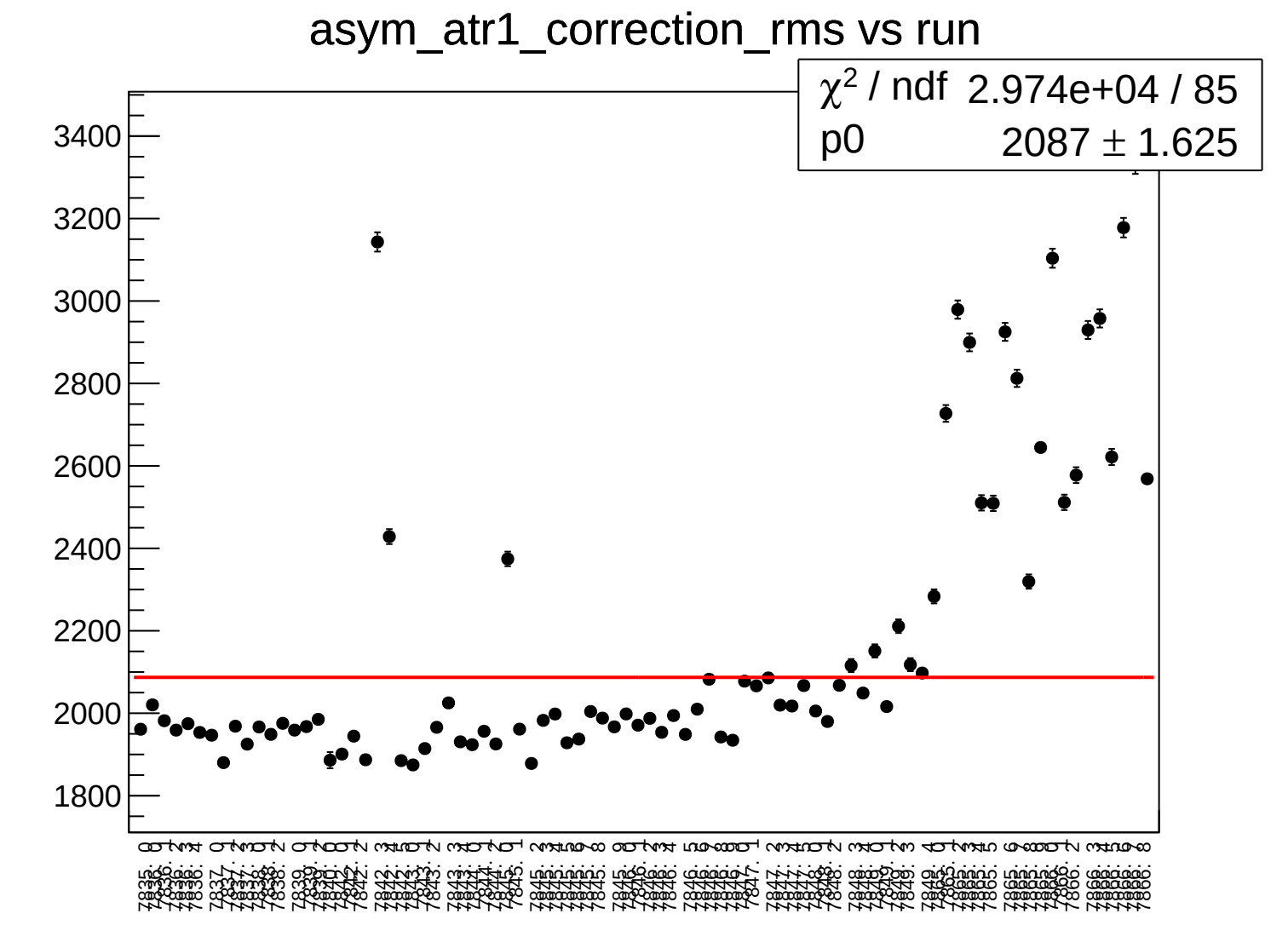

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 104 / 85
p0 3401 ± 3062
100
50
0
−50
−100
pull
Entries 86
Mean −326.7
Std Dev 381.2
3
2
1
0
−1
−2

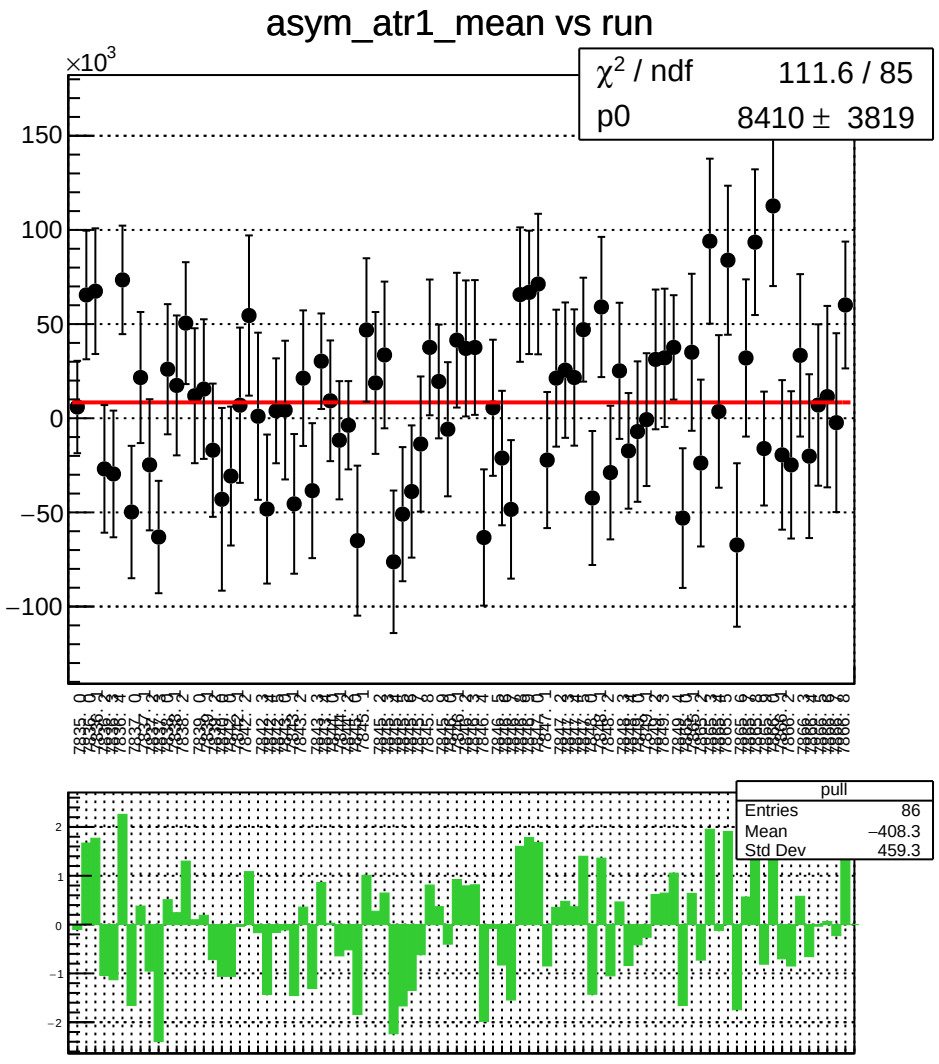

pull1D
Entries 86
Mean −0.007907
Std Dev 1.1
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

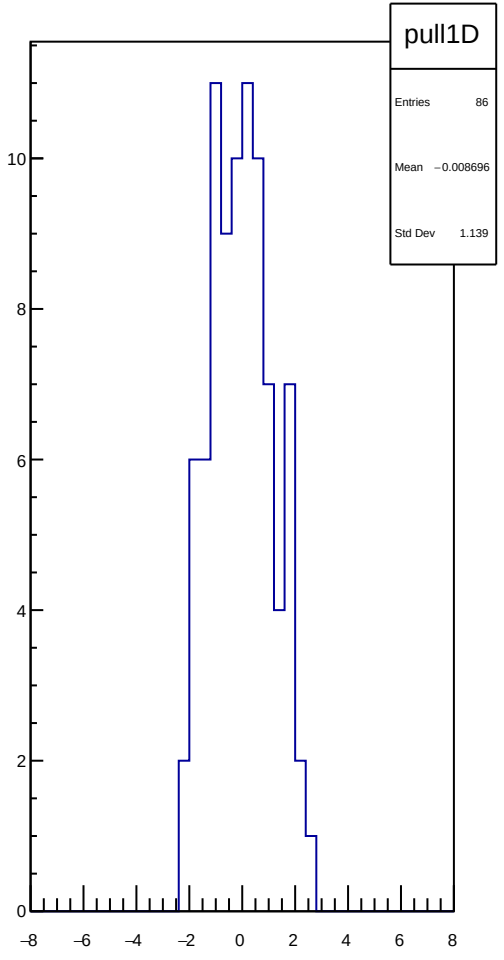

dit_asym_atr1_rms vs run
χ^2 / ndf 790.5 / 85
p0 2805 ± 2.165
3100
3050
3000
2950
2900
2850
2800
2750
2700

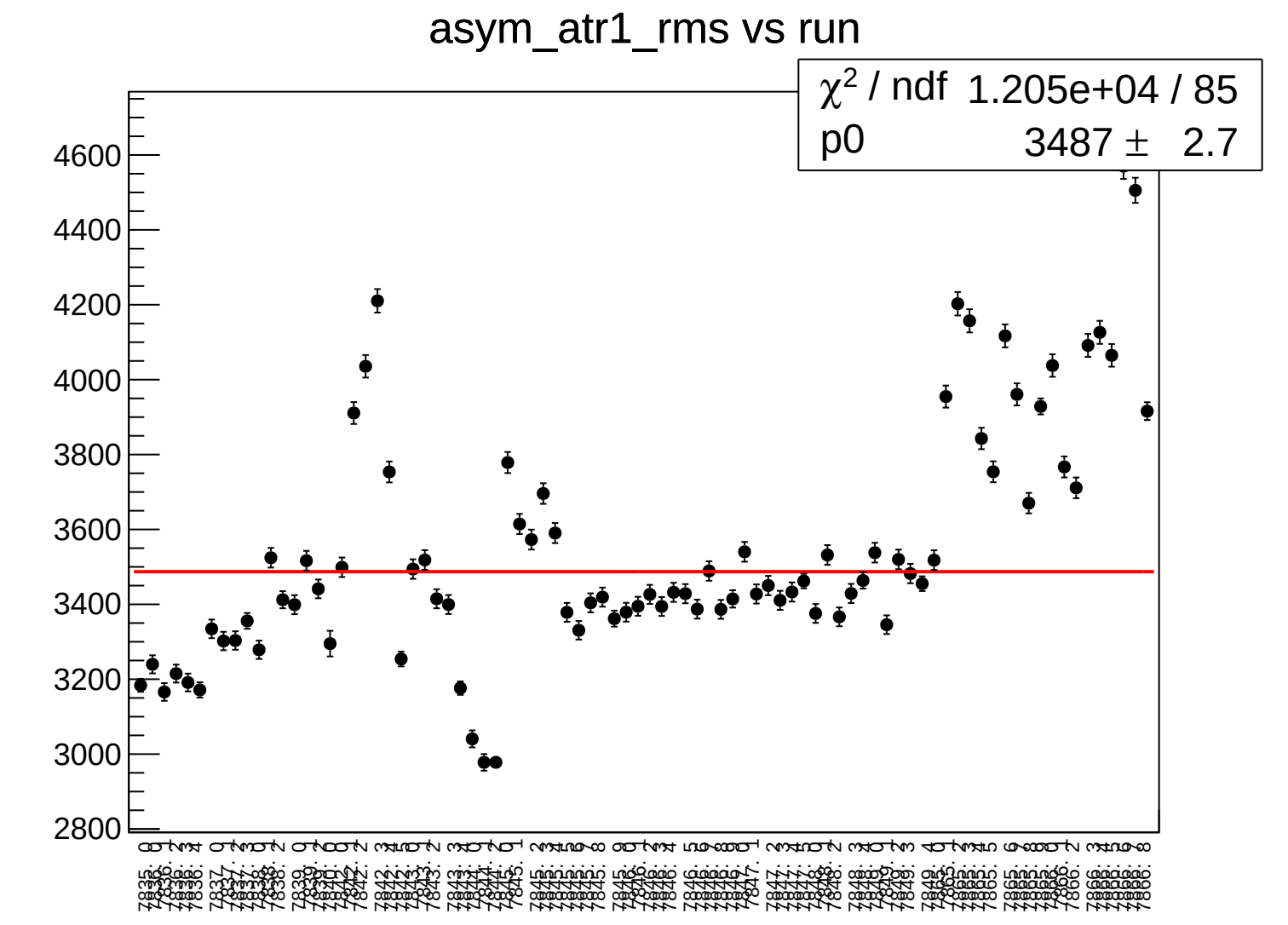

asym_atr1_correction_mean vs run
×10^3
χ^2 / ndf 122.1 / 85
p0 −5089 ± 2298
80
60
40
20
0
−20
−40
−60
−80
−100
pull
Entries 86
Mean −427.8
Std Dev 472.8
2
1
0
−1
−2
−3

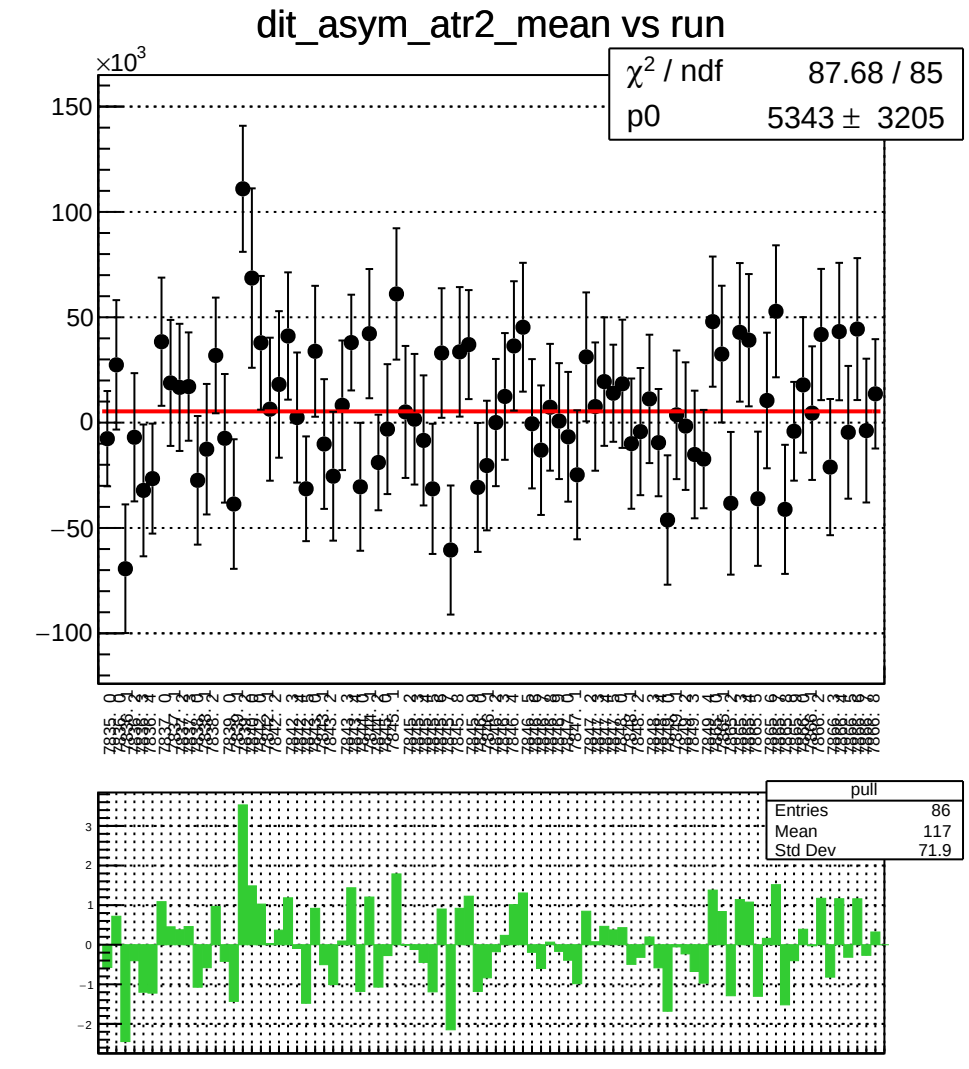

pull1D
Entries 86
Mean 0.006757
Std Dev 1.192
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

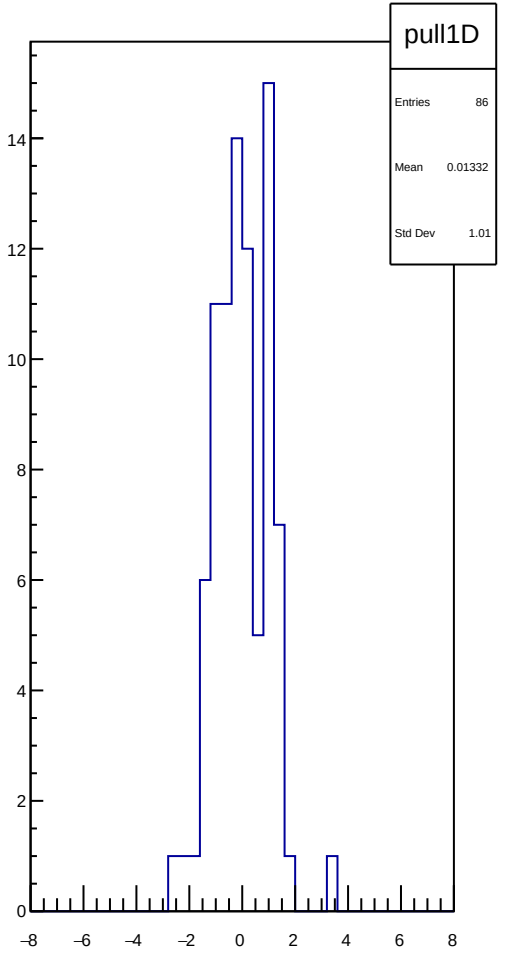

asym_atr1_correction_rms vs run
χ² / ndf 2.974e+04 / 85
p0 2087 ± 1.625
3400
3200
3000
2800
2600
2400
2200
2000
1800

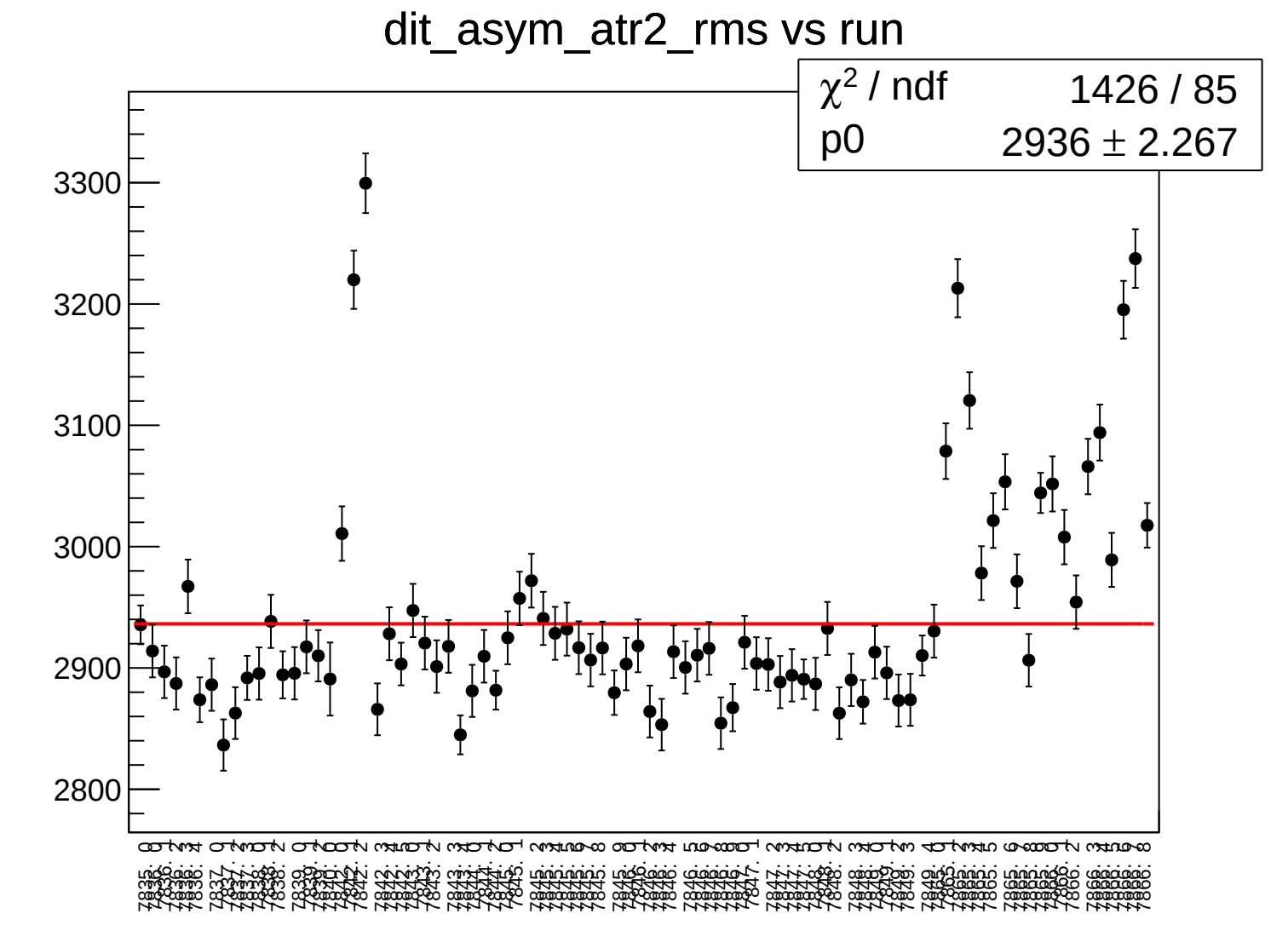

asym_atr1_mean vs run
×10^3
χ² / ndf 111.6 / 85
p0 8410 ± 3819
150
100
50
0
−50
−100
pull
Entries 86
Mean −408.3
Std Dev 459.3
2
1
0
−1
−2

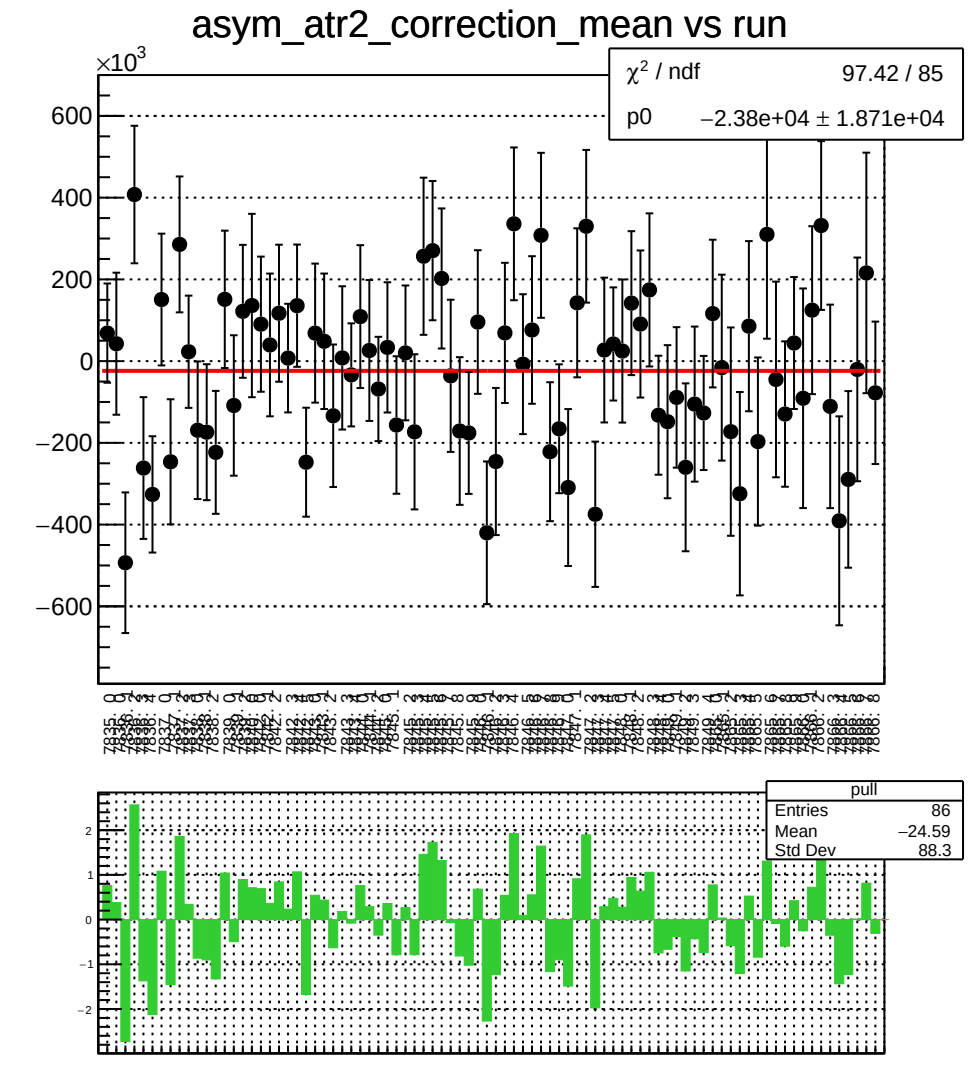

pull1D
Entries 86
Mean −0.008696
Std Dev 1.139
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

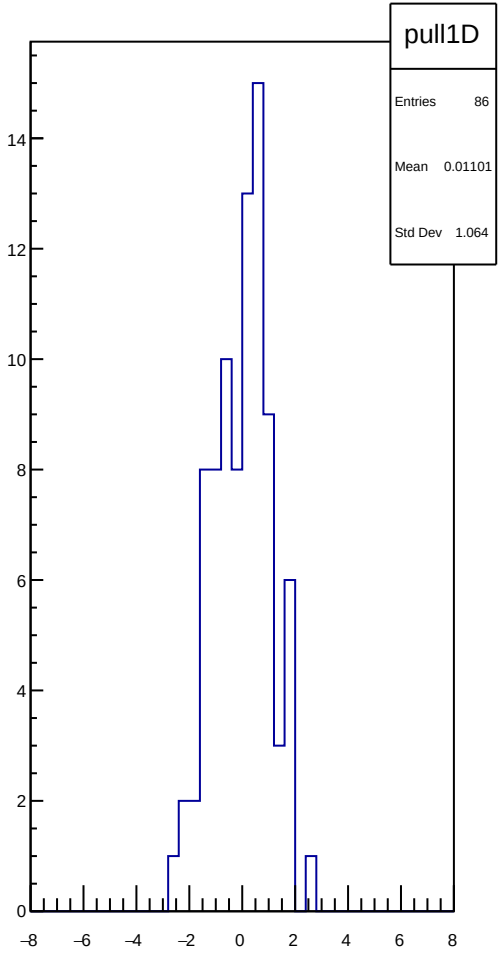

asym_atr1_rms vs run
χ^2 / ndf 1.205e+04 / 85
p0 3487 ± 2.7
4600
4400
4200
4000
3800
3600
3400
3200
3000
2800

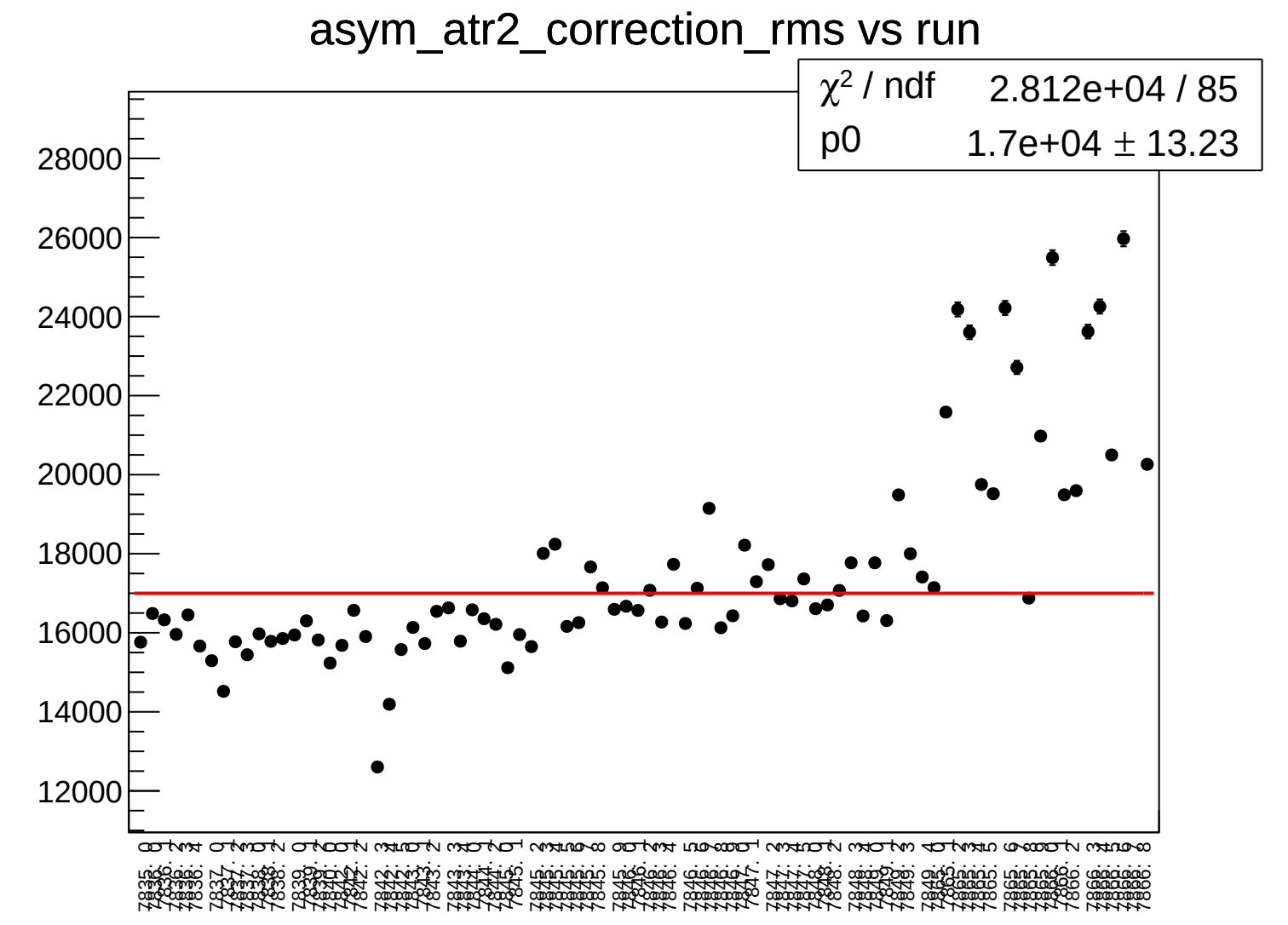

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 87.68 / 85
p0 5343 ± 3205
150
100
50
0
−50
−100
pull
Entries 86
Mean 117
Std Dev 71.9
3
2
1
0
−1
−2

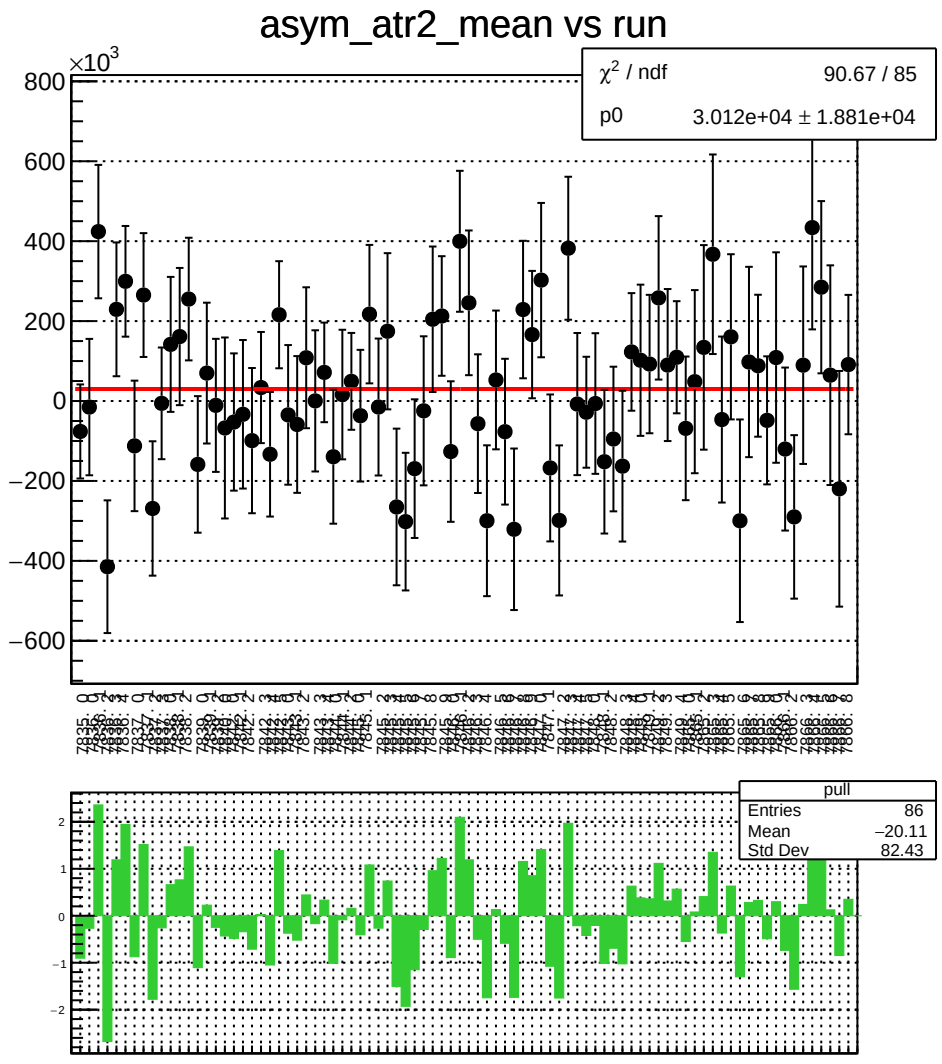

pull1D
Entries 86
Mean 0.01332
Std Dev 1.01
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

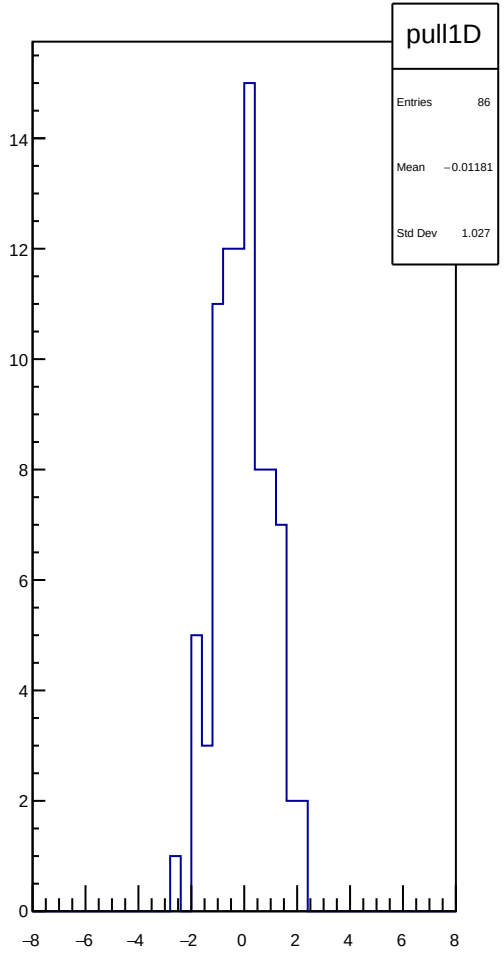

dit_asym_atr2_rms vs run
χ² / ndf 1426 / 85
p0 2936 ± 2.267
3300
3200
3100
3000
2900
2800

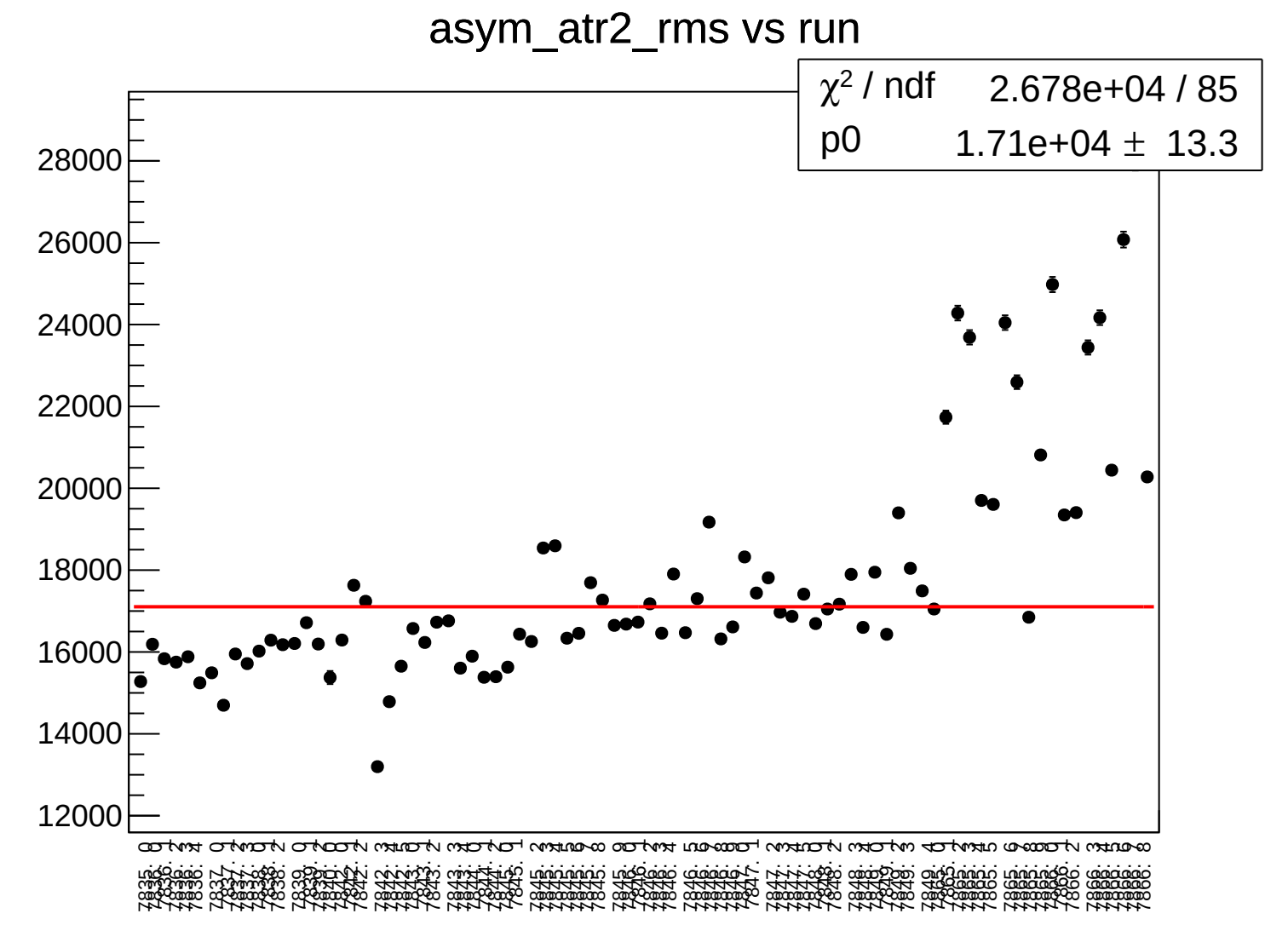

asym_atr2_correction_mean vs run
×10^3
600
400
200
0
−200
−400
−600
χ² / ndf 97.42 / 85
p0 −2.38e+04 ± 1.871e+04
pull
Entries 86
Mean −24.59
Std Dev 88.3
2
1
0
−1
−2

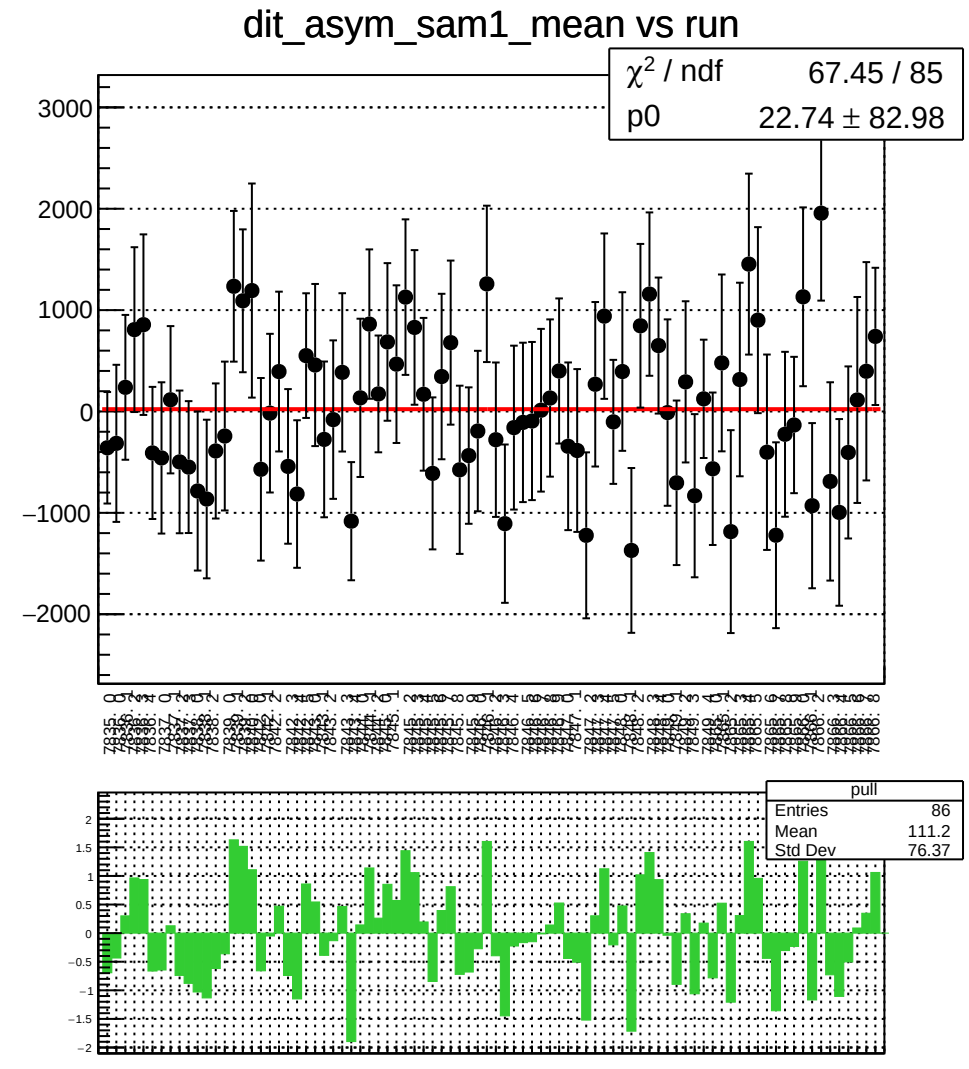

pull1D
Entries 86
Mean 0.01101
Std Dev 1.064
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

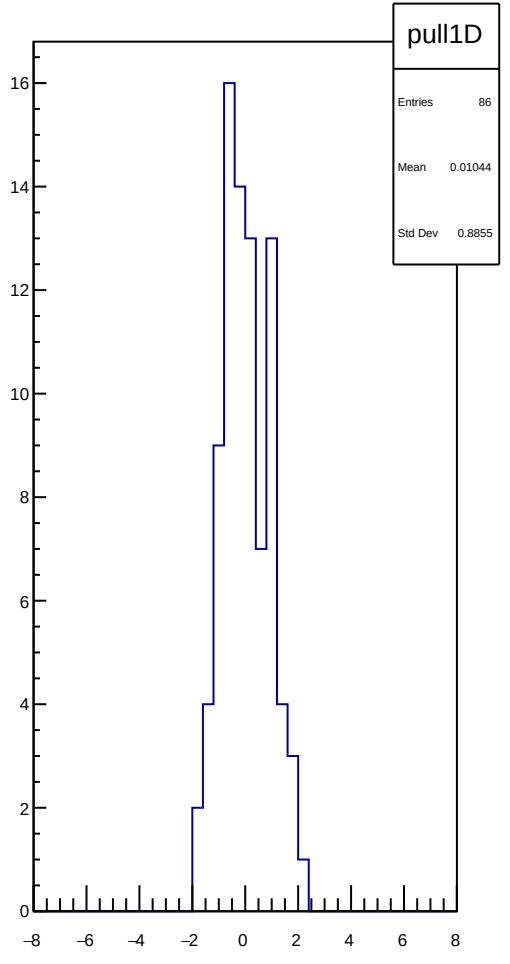

asym_atr2_correction_rms vs run
χ² / ndf 2.812e+04 / 85
p0 1.7e+04 ± 13.23
28000
26000
24000
22000
20000
18000
16000
14000
12000

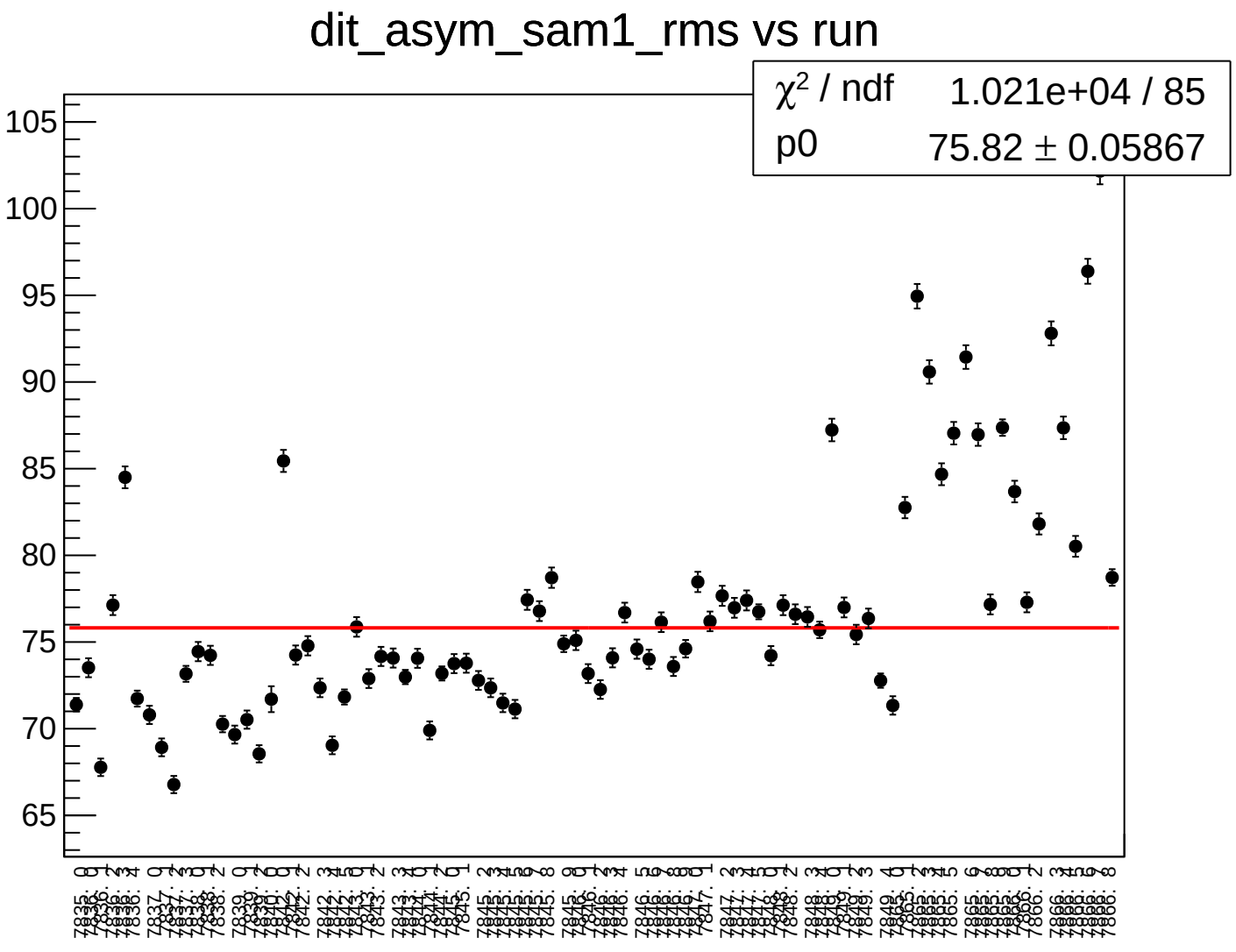

asym_atr2_mean vs run
×10^3
800
600
400
200
0
−200
−400
−600
χ² / ndf 90.67 / 85
p0 3.012e+04 ± 1.881e+04
pull
Entries 86
Mean −20.11
Std Dev 82.43
2
1
0
−1
−2

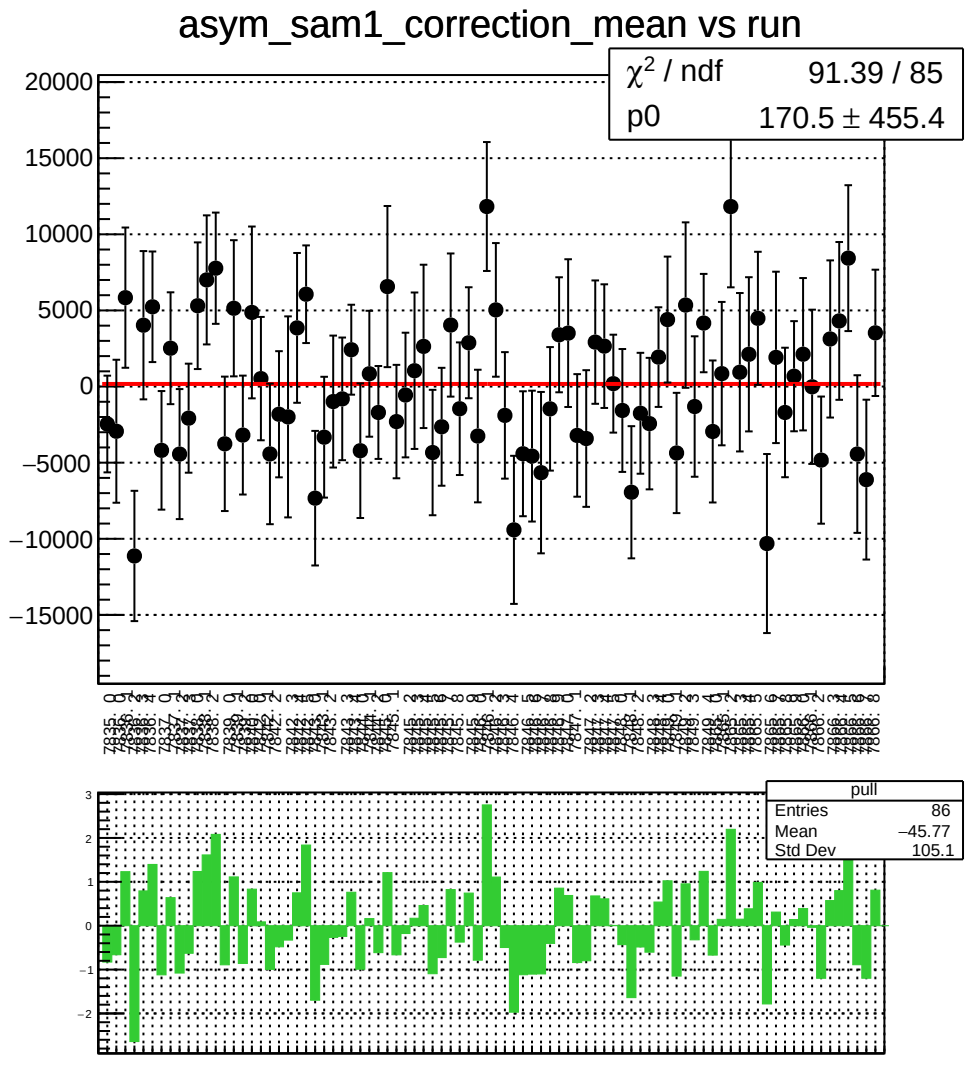

pull1D
Entries 86
Mean −0.01181
Std Dev 1.027
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

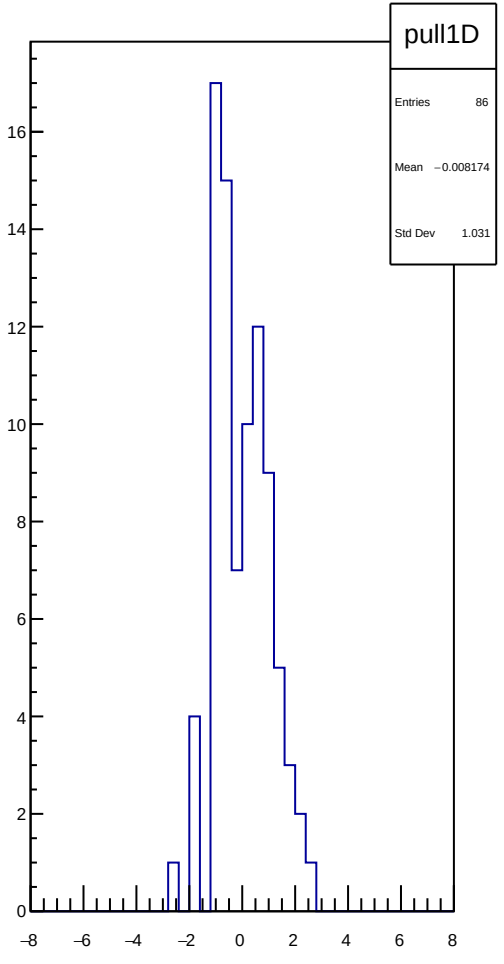

asym_atr2_rms vs run
χ² / ndf 2.678e+04 / 85
p0 1.71e+04 ± 13.3
28000
26000
24000
22000
20000
18000
16000
14000
12000

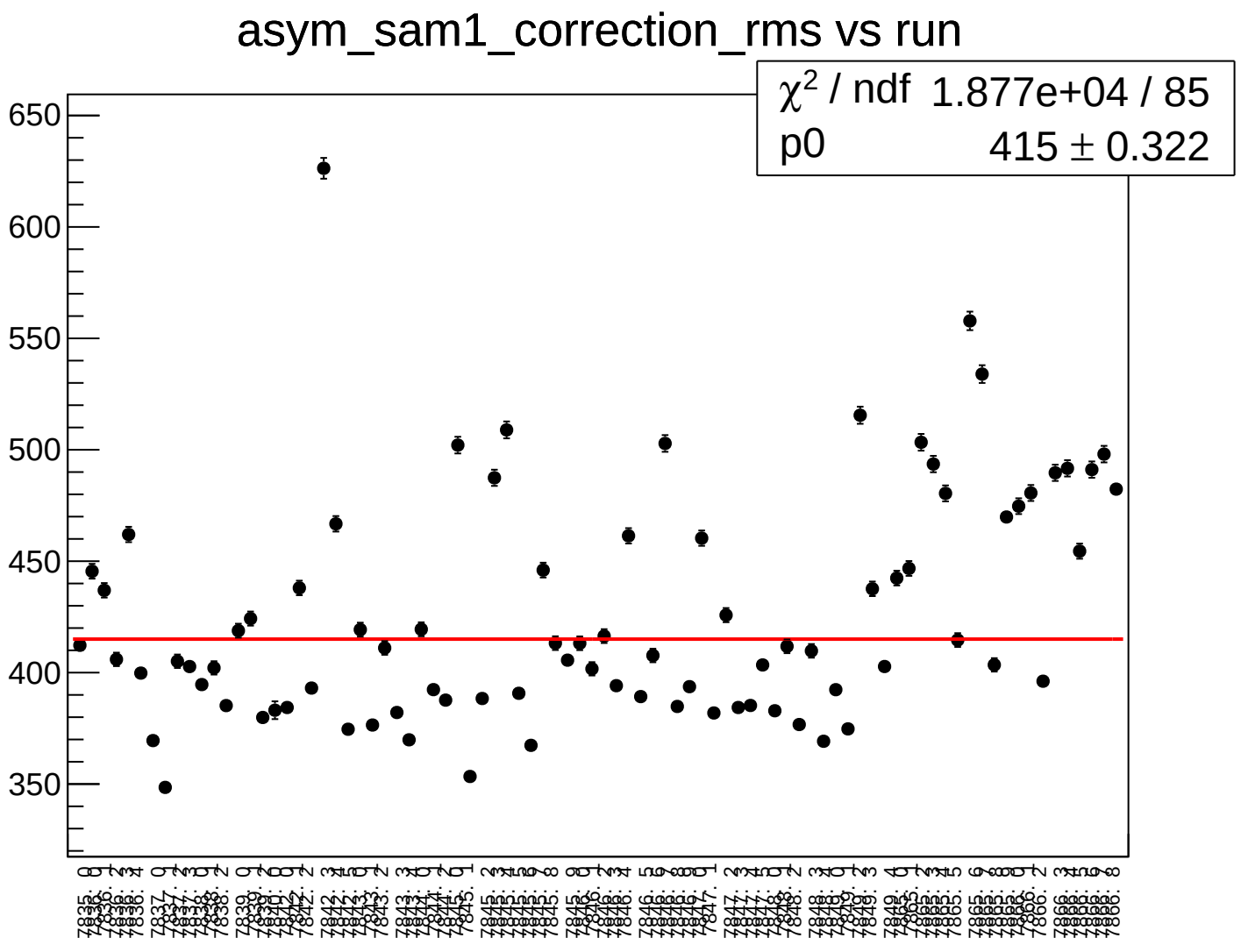

dit_asym_sam1_mean vs run
χ^2 / ndf 67.45 / 85
p0 22.74 ± 82.98
3000
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 111.2
Std Dev 76.37
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

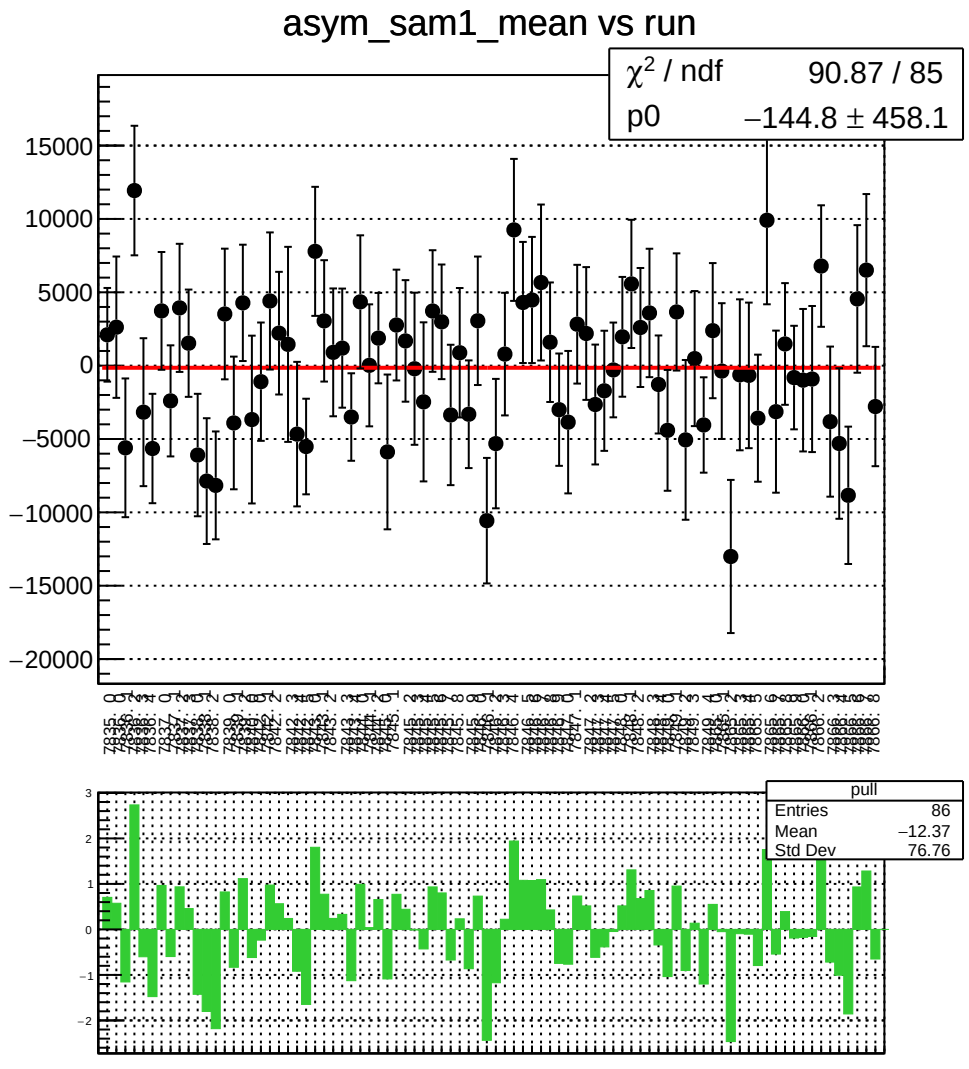

pull1D
Entries 86
Mean 0.01044
Std Dev 0.8855
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

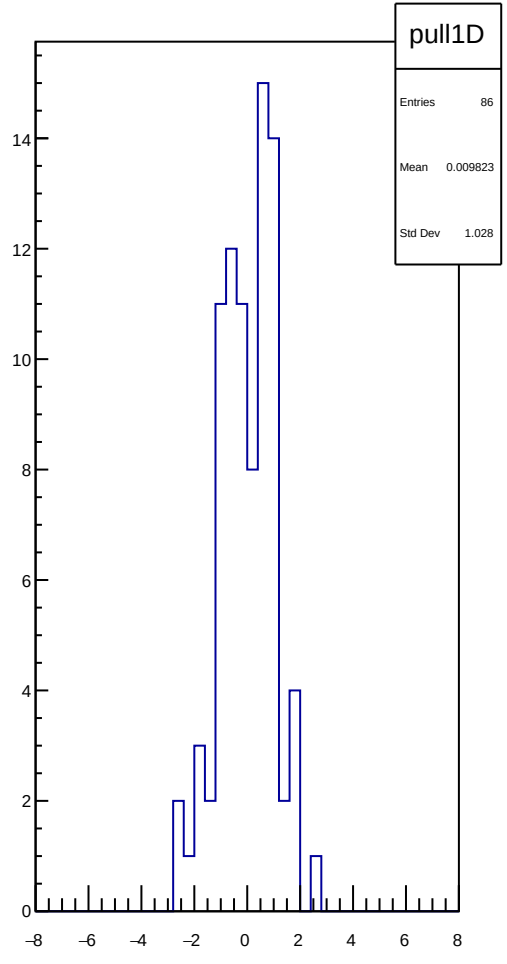

dit_asym_sam1_rms vs run
χ^2 / ndf 1.021e+04 / 85
p0 75.82 ± 0.05867
105
100
95
90
85
80
75
70
65

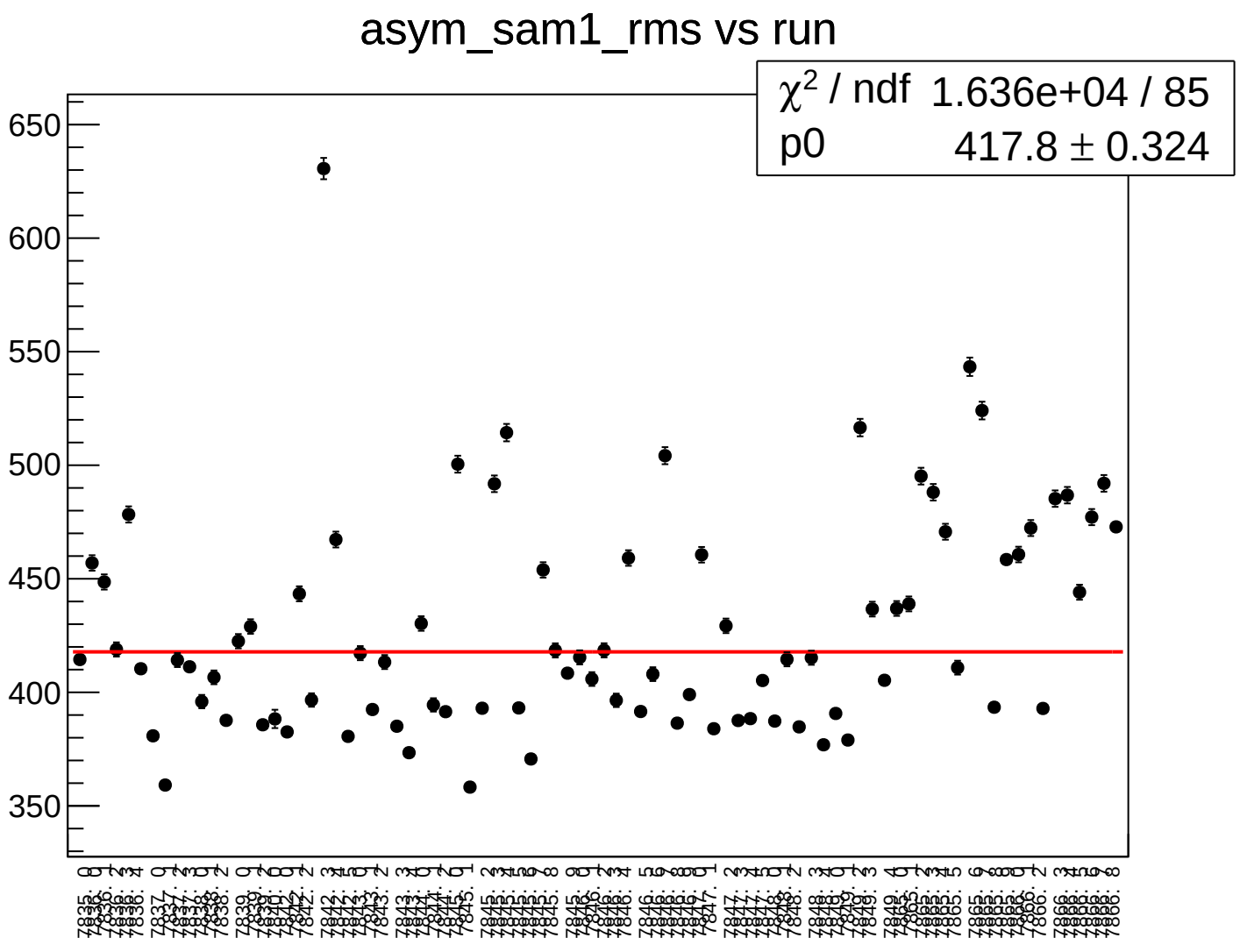

asym_sam1_correction_mean vs run
χ² / ndf 91.39 / 85
p0 170.5 ± 455.4
pull
Entries 86
Mean −45.77
Std Dev 105.1

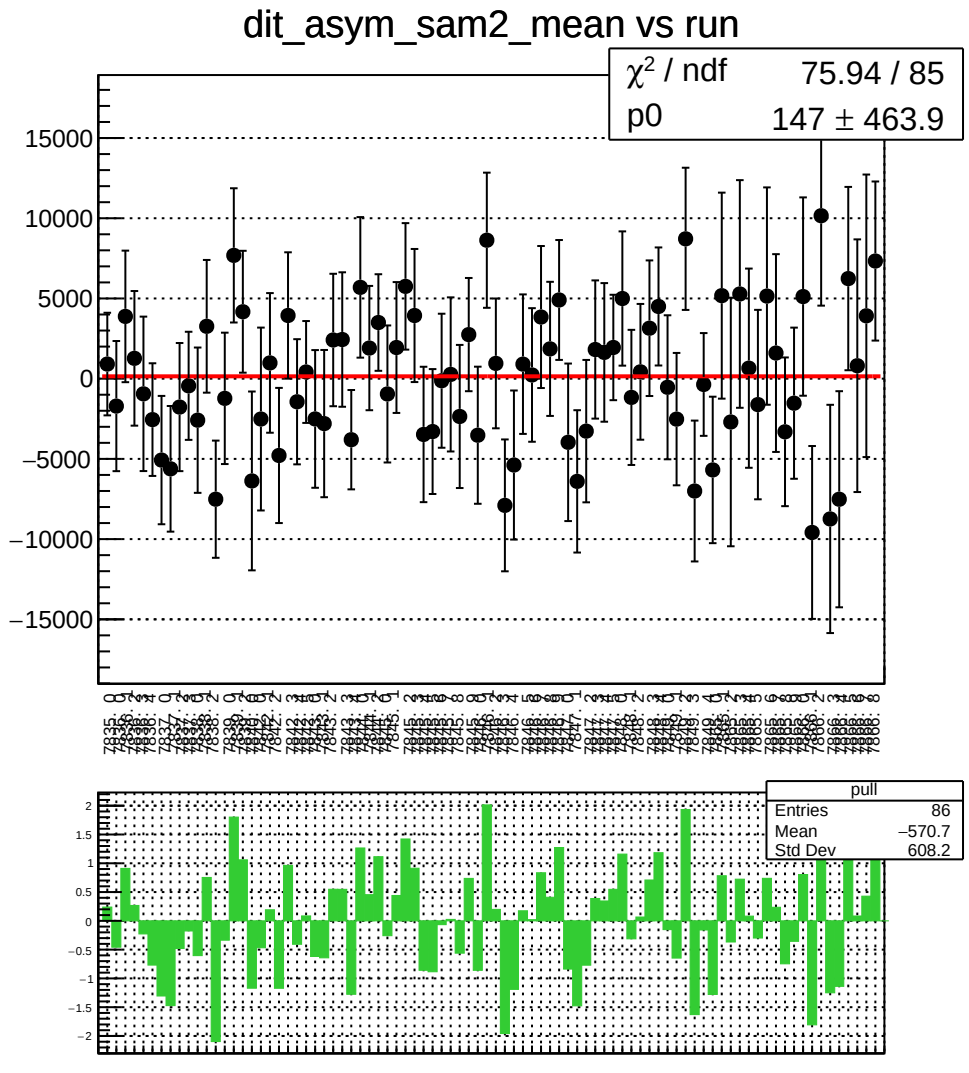

pull1D
Entries 86
Mean −0.008174
Std Dev 1.031

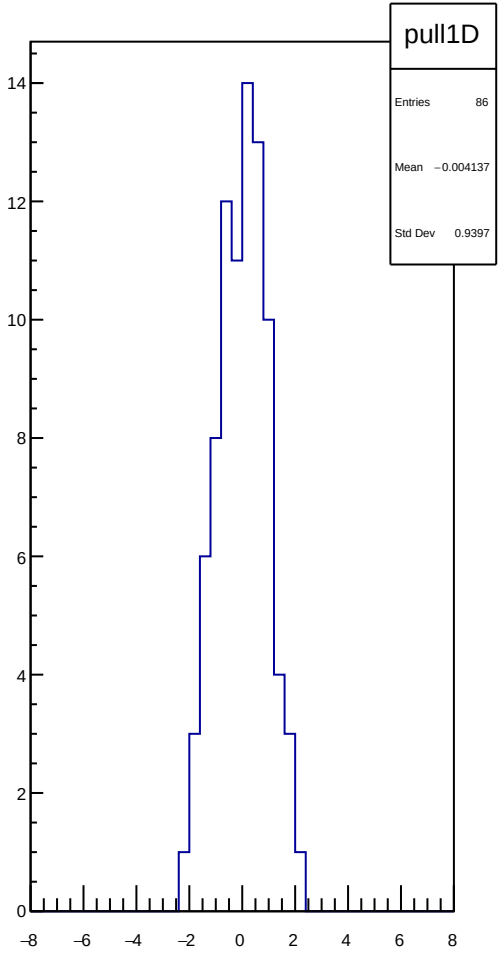

asym_sam1_correction_rms vs run
χ² / ndf 1.877e+04 / 85
p0 415 ± 0.322
650
600
550
500
450
400
350

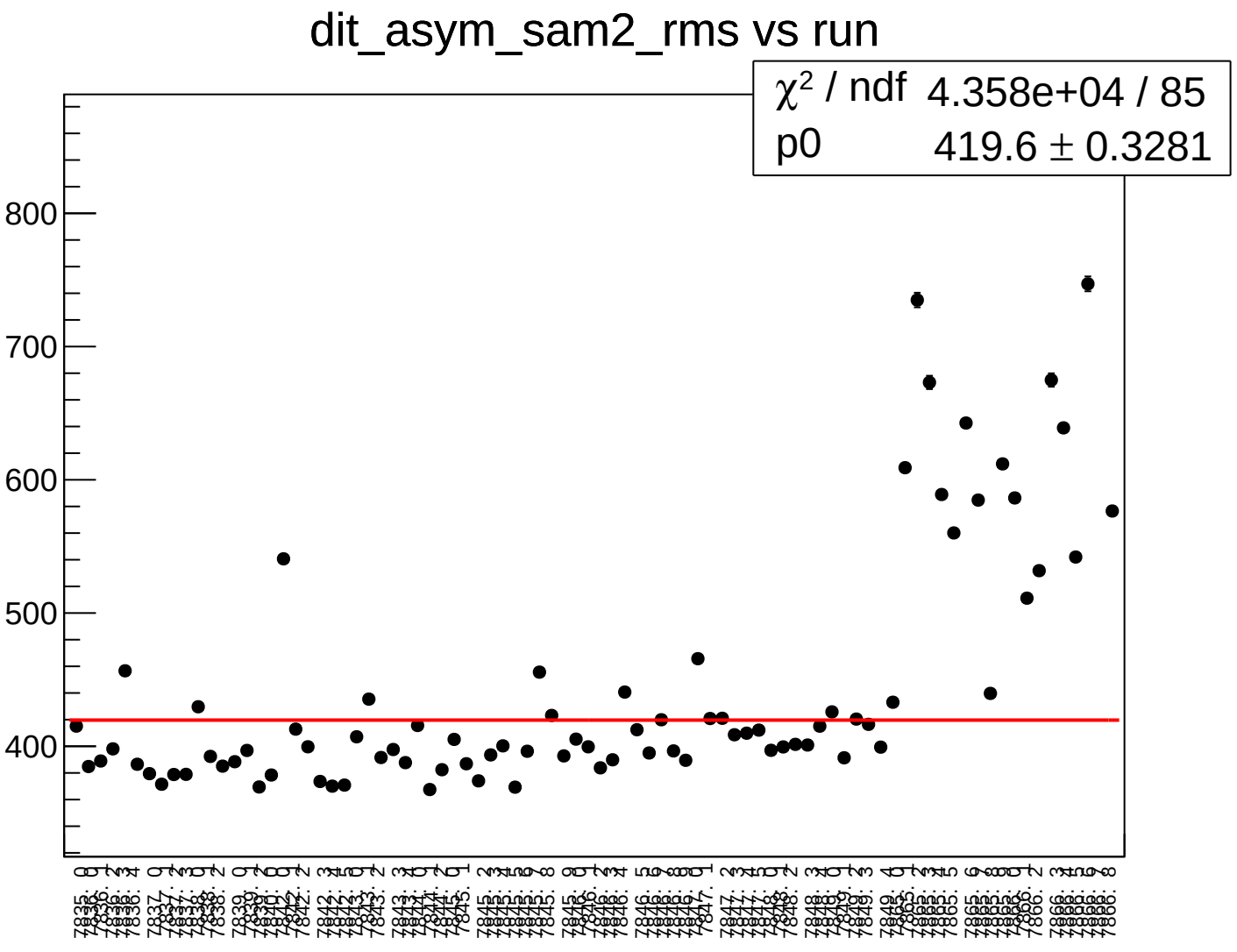

asym_sam1_mean vs run
χ² / ndf 90.87 / 85
p0 −144.8 ± 458.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean −12.37
Std Dev 76.76
3
2
1
0
−1
−2

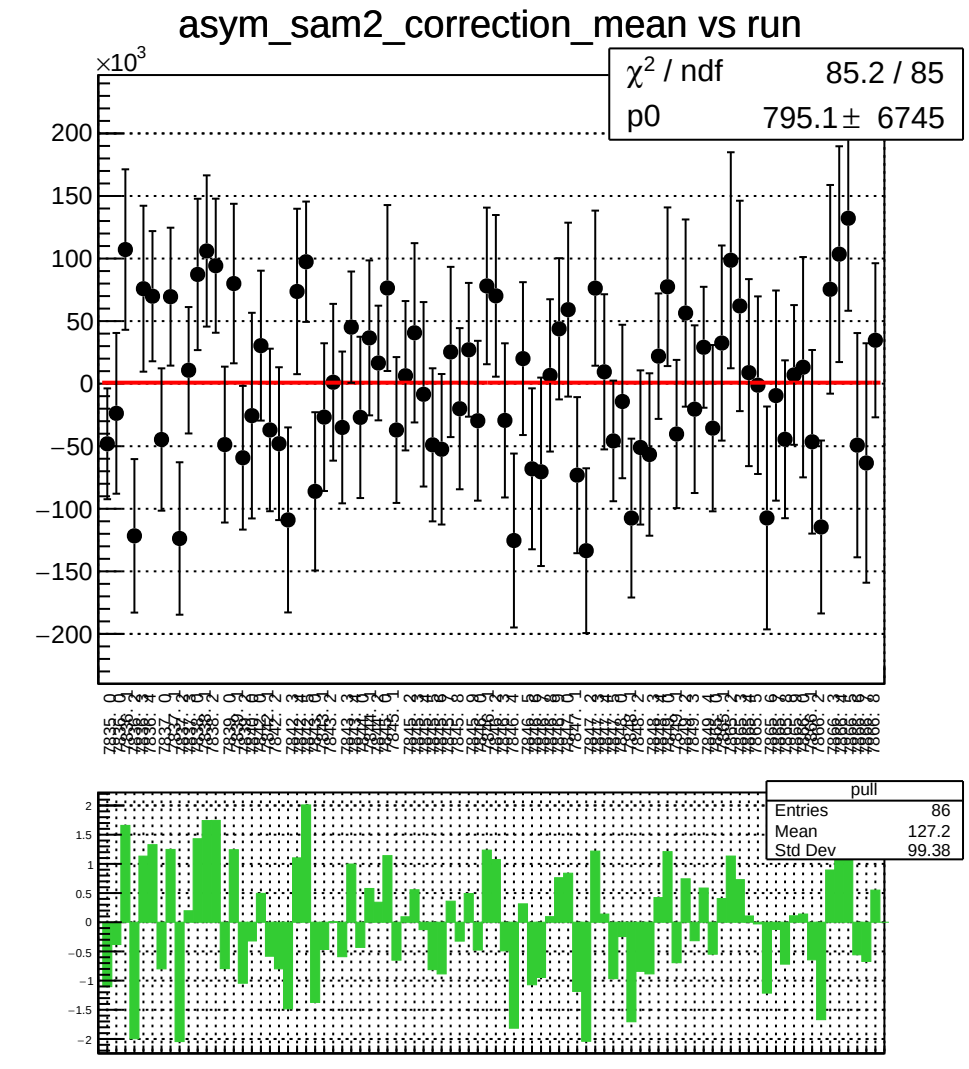

pull1D
Entries 86
Mean 0.009823
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

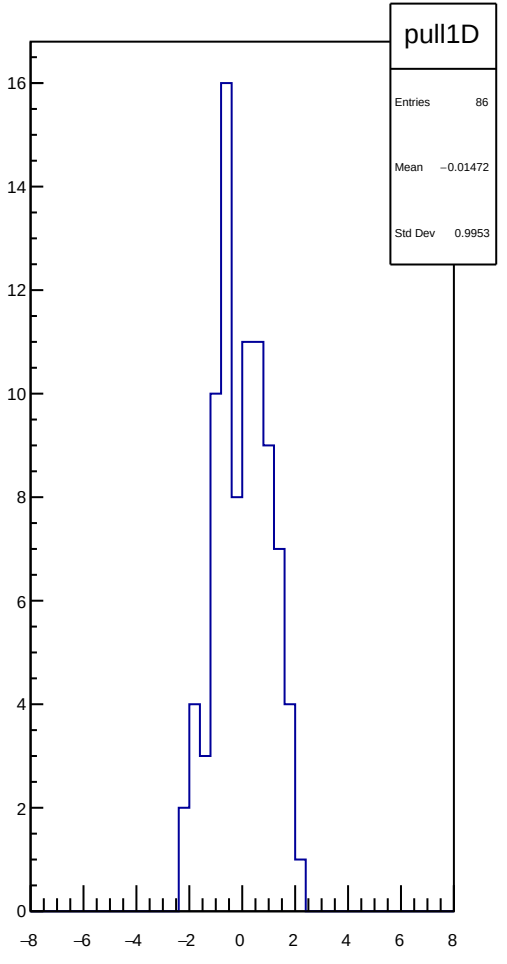

asym_sam1_rms vs run
χ² / ndf 1.636e+04 / 85
p0 417.8 ± 0.324
650
600
550
500
450
400
350

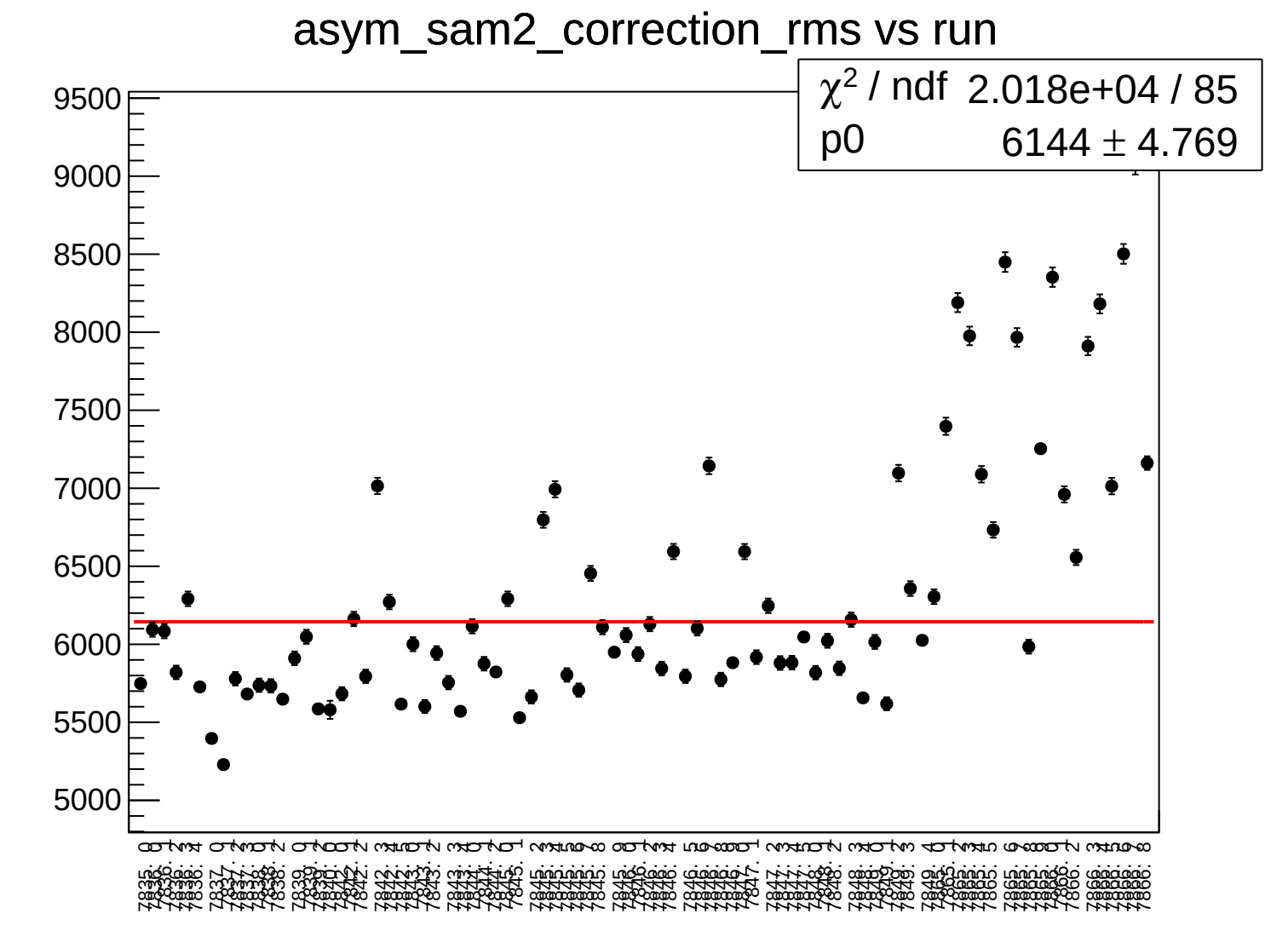

dit_asym_sam2_mean vs run
χ² / ndf 75.94 / 85
p0 147 ± 463.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −570.7
Std Dev 608.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

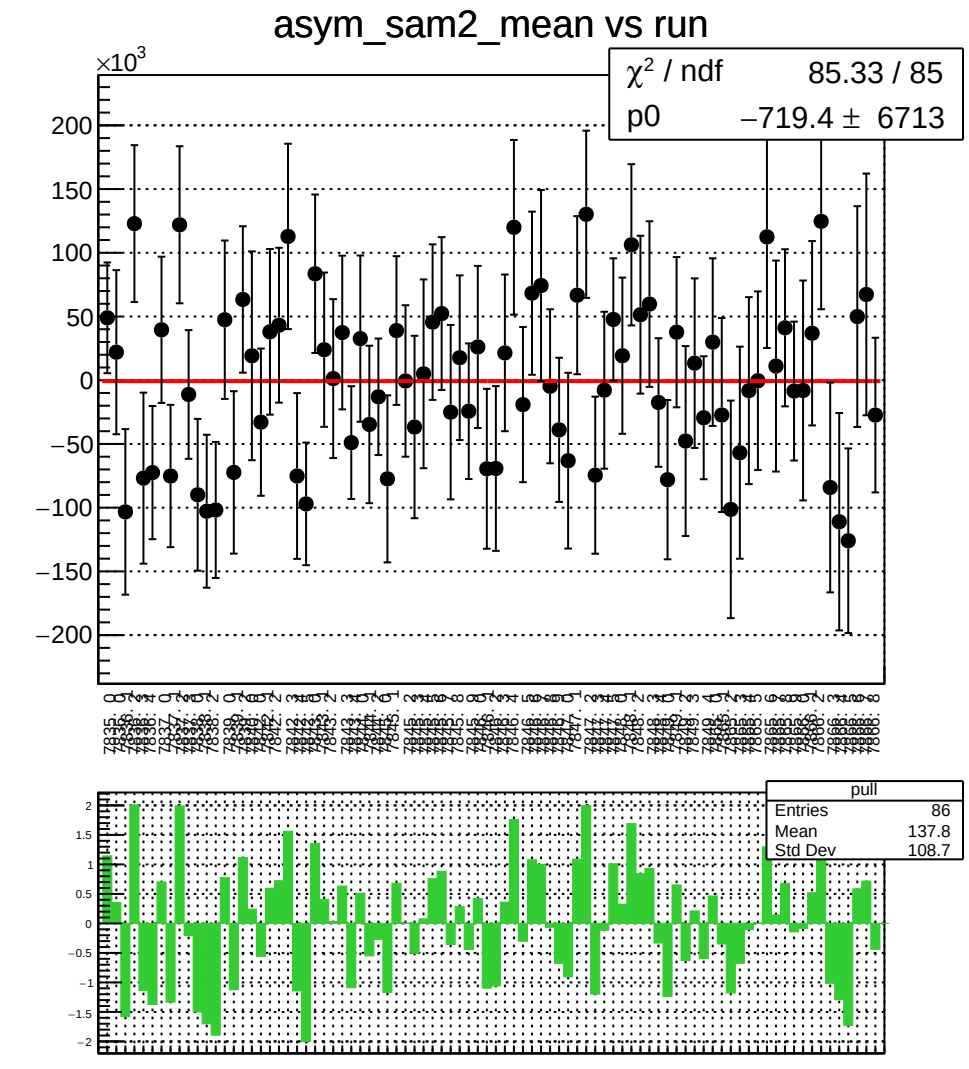

pull1D
Entries 86
Mean −0.004137
Std Dev 0.9397
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

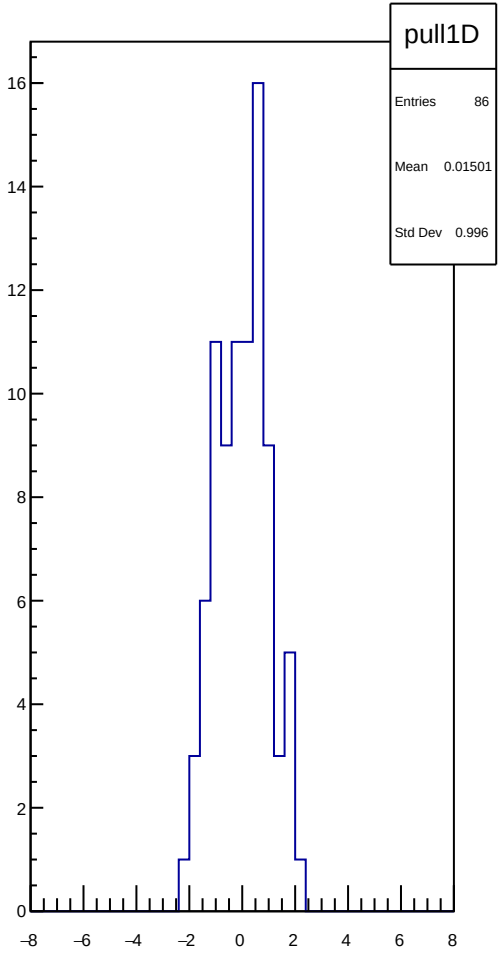

dit_asym_sam2_rms vs run
χ² / ndf 4.358e+04 / 85
p0 419.6 ± 0.3281
800
700
600
500
400

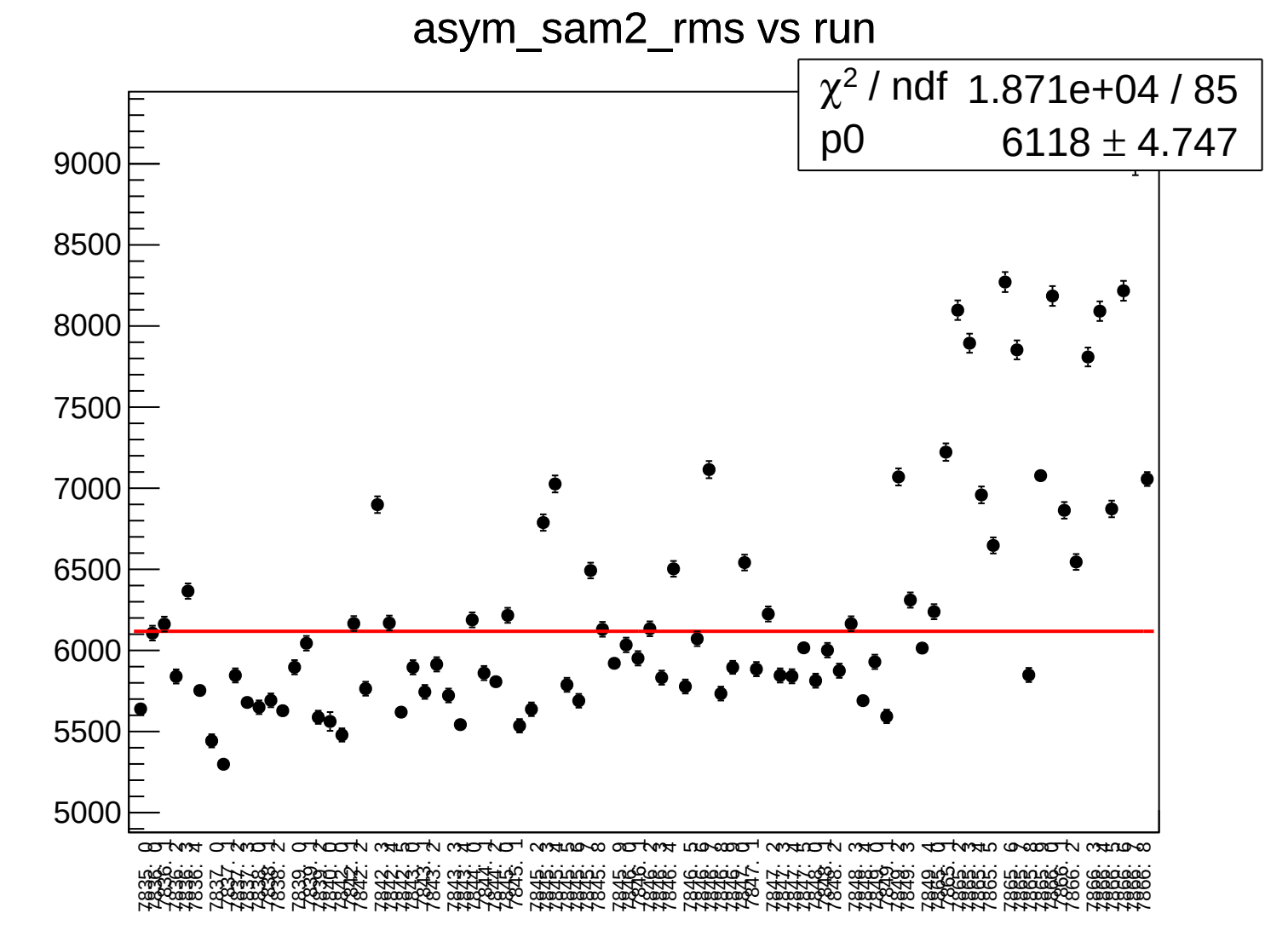

asym_sam2_correction_mean vs run
×10^3
χ^2 / ndf 85.2 / 85
p0 795.1 ± 6745
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 127.2
Std Dev 99.38
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

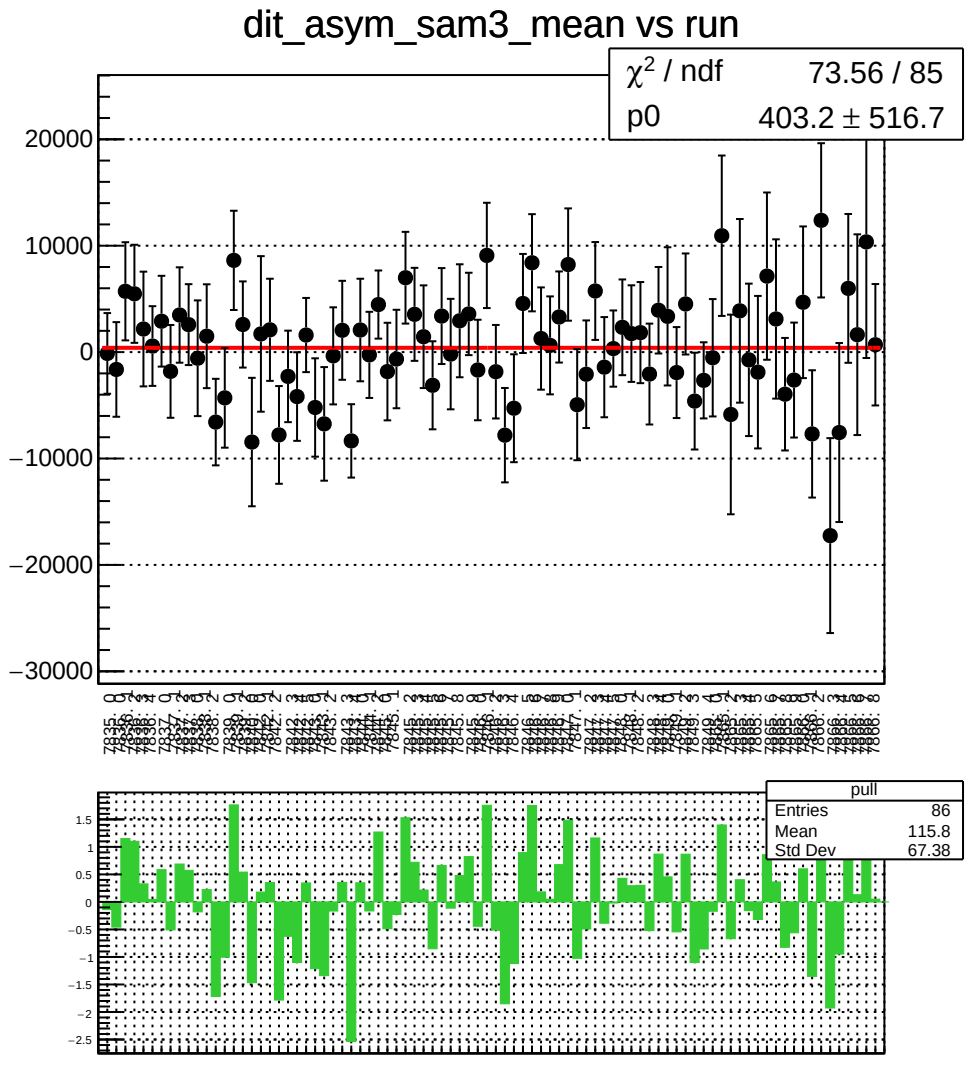

pull1D
Entries 86
Mean −0.01472
Std Dev 0.9953
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

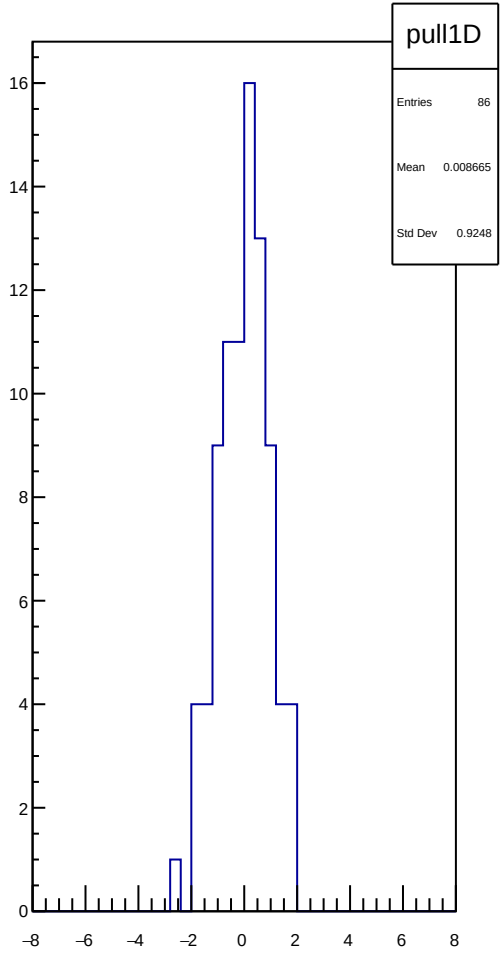

asym_sam2_correction_rms vs run
χ² / ndf 2.018e+04 / 85
p0 6144 ± 4.769
9500
9000
8500
8000
7500
7000
6500
6000
5500
5000

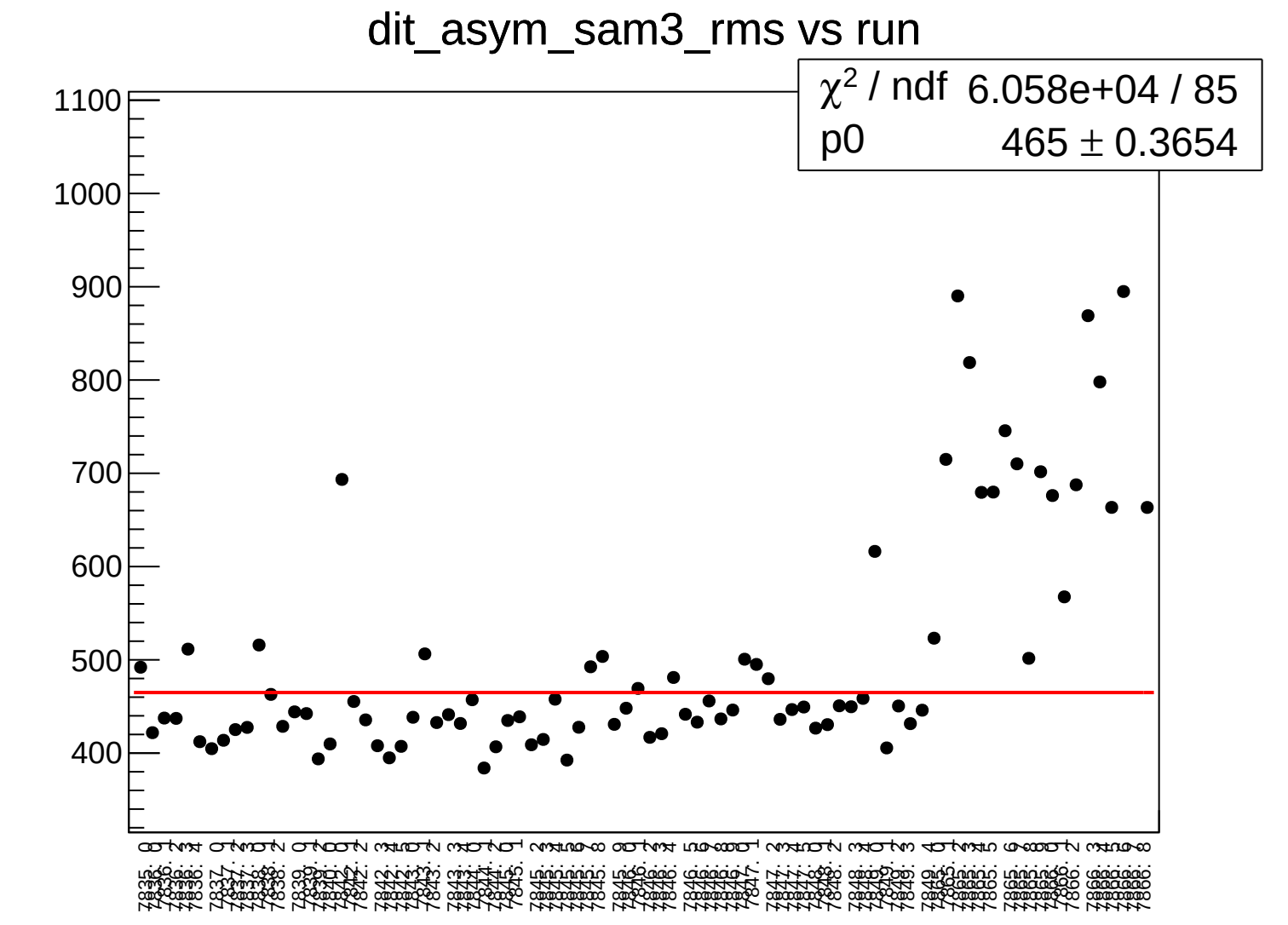

asym_sam2_mean vs run
×10^3
χ² / ndf 85.33 / 85
p0 −719.4 ± 6713
pull
Entries 86
Mean 137.8
Std Dev 108.7

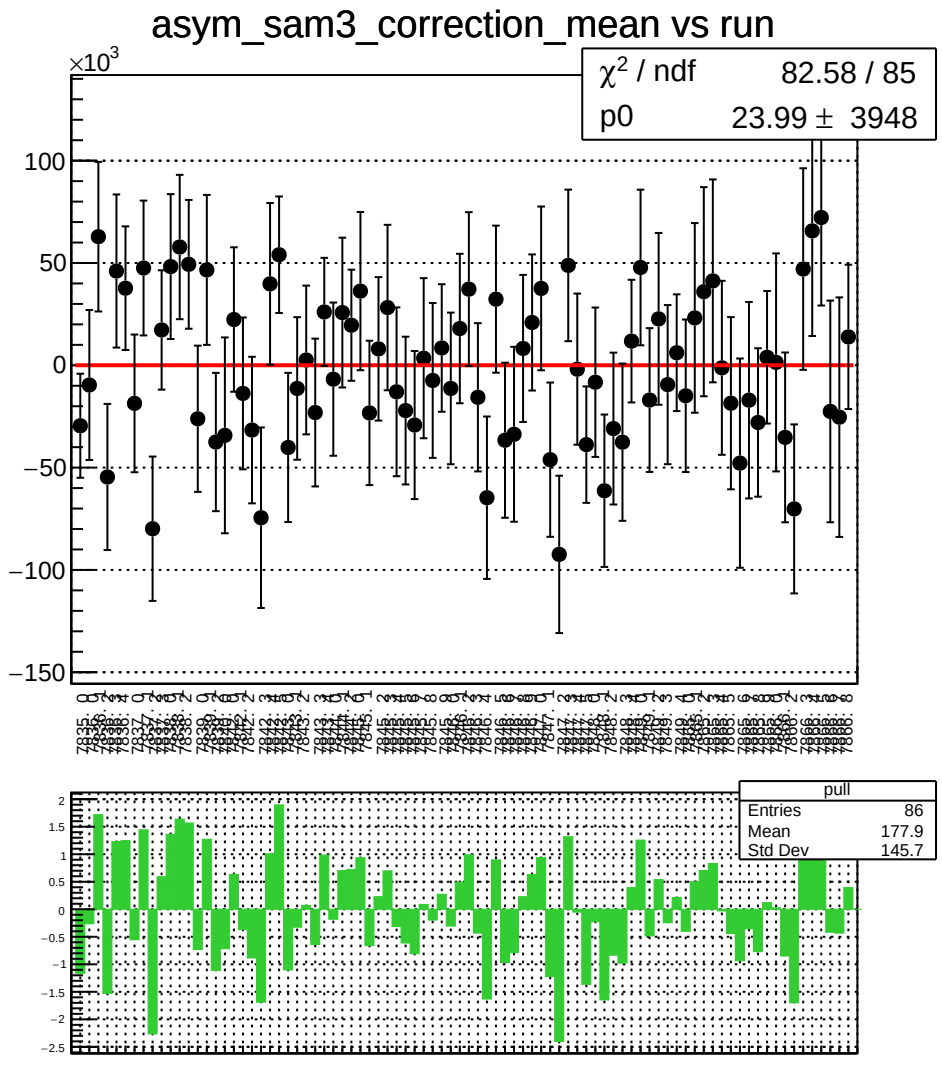

pull1D
Entries 86
Mean 0.01501
Std Dev 0.996

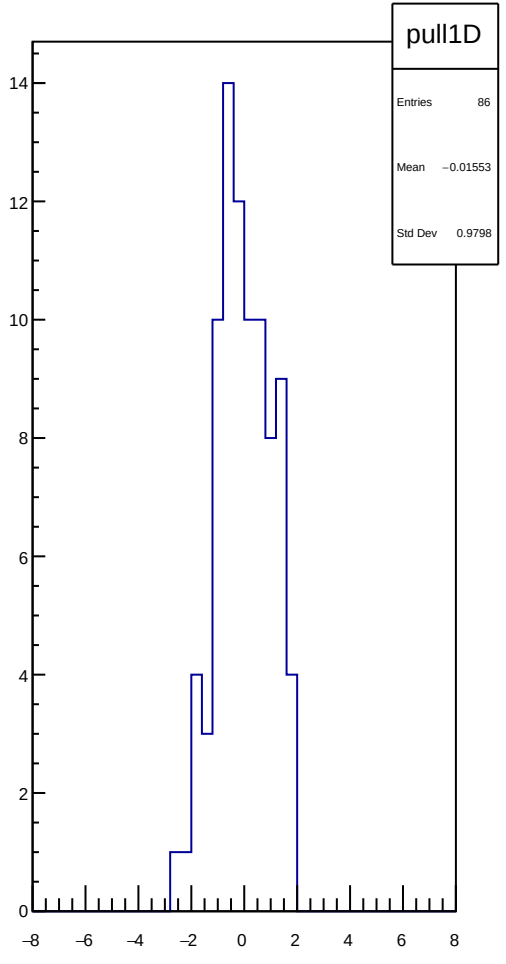

asym_sam2_rms vs run
χ^2 / ndf 1.871e+04 / 85
p0 6118 ± 4.747
9000
8500
8000
7500
7000
6500
6000
5500
5000

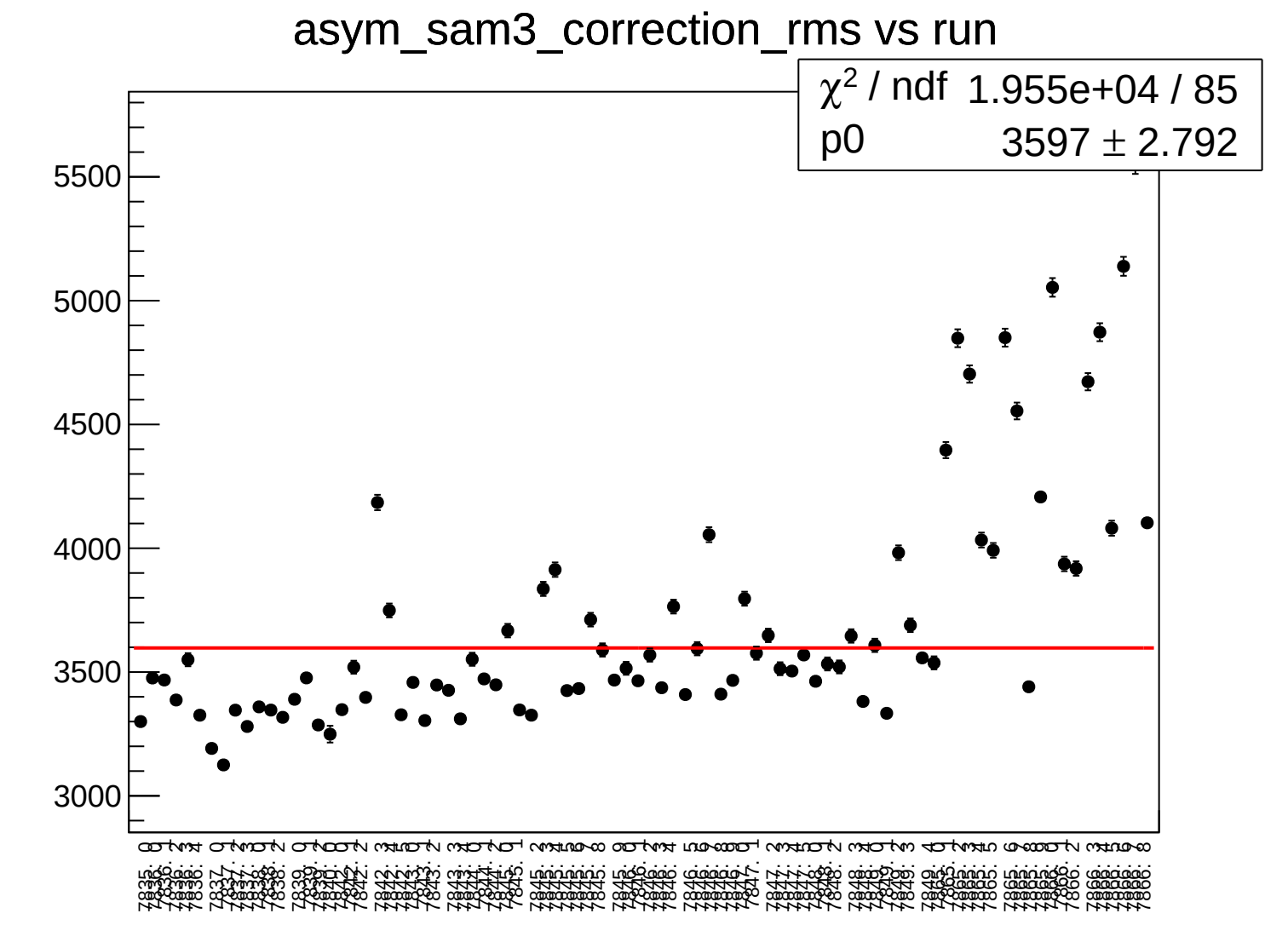

dit_asym_sam3_mean vs run
χ^2 / ndf 73.56 / 85
p0 403.2 ± 516.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 115.8
Std Dev 67.38
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

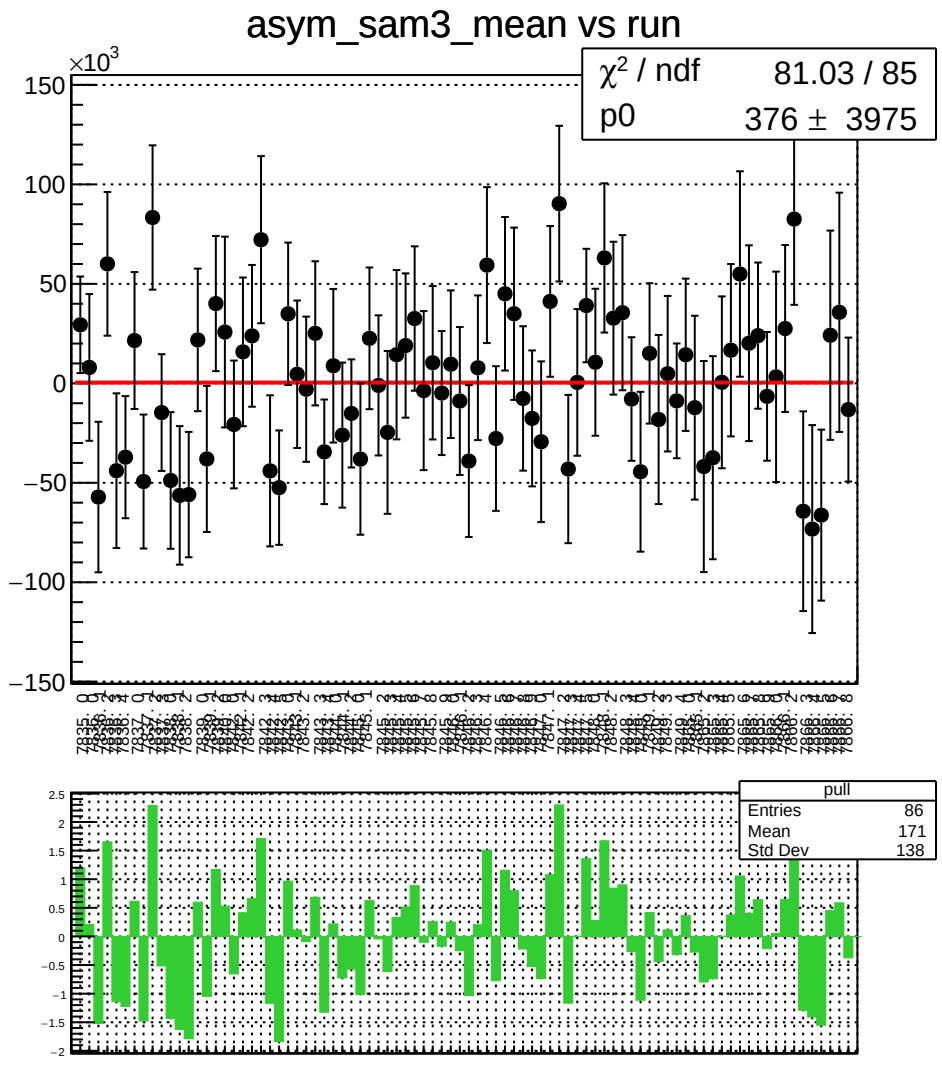

pull1D
Entries 86
Mean 0.008665
Std Dev 0.9248
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

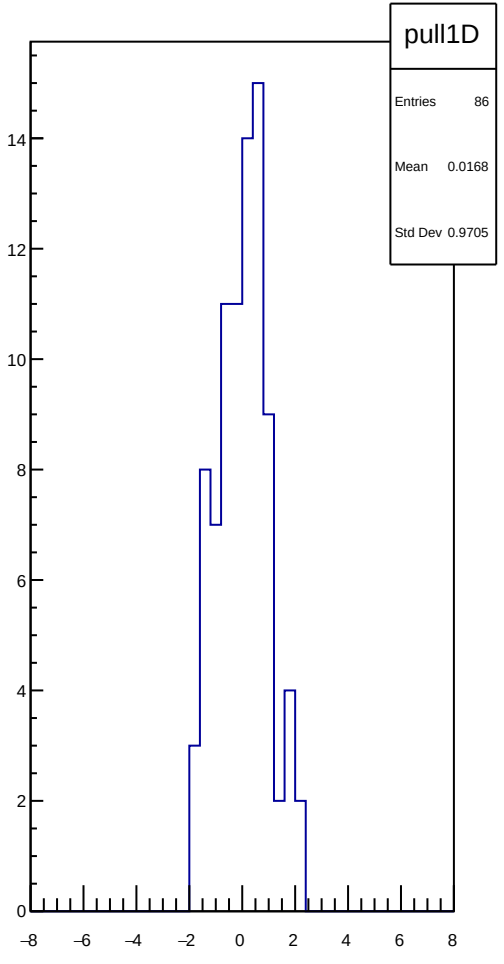

dit_asym_sam3_rms vs run
χ^2 / ndf 6.058e+04 / 85
p0 465 ± 0.3654
1100
1000
900
800
700
600
500
400

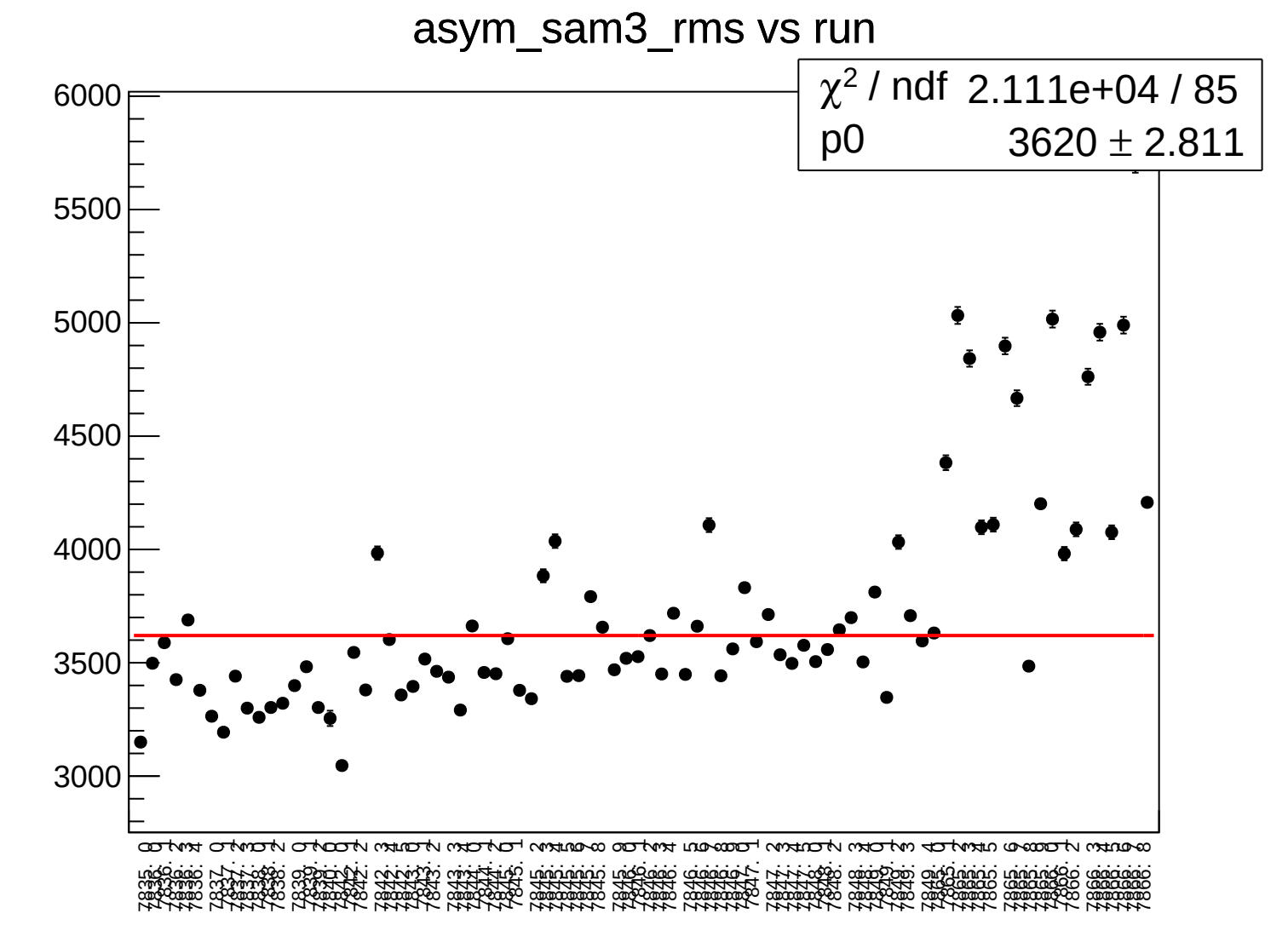

asym_sam3_correction_mean vs run
×10^3
χ² / ndf 82.58 / 85
p0 23.99 ± 3948
100
50
0
−50
−100
−150
pull
Entries 86
Mean 177.9
Std Dev 145.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

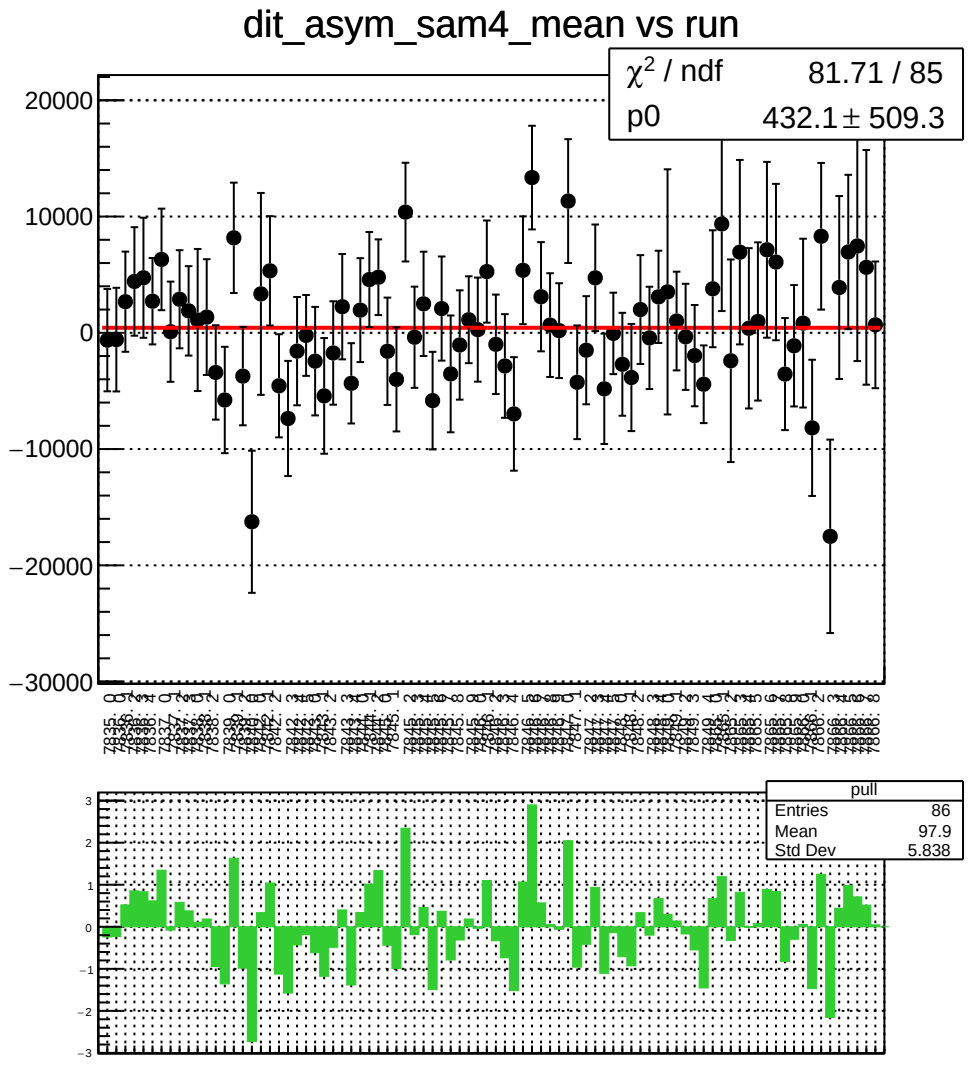

pull1D
Entries 86
Mean −0.01553
Std Dev 0.9798
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

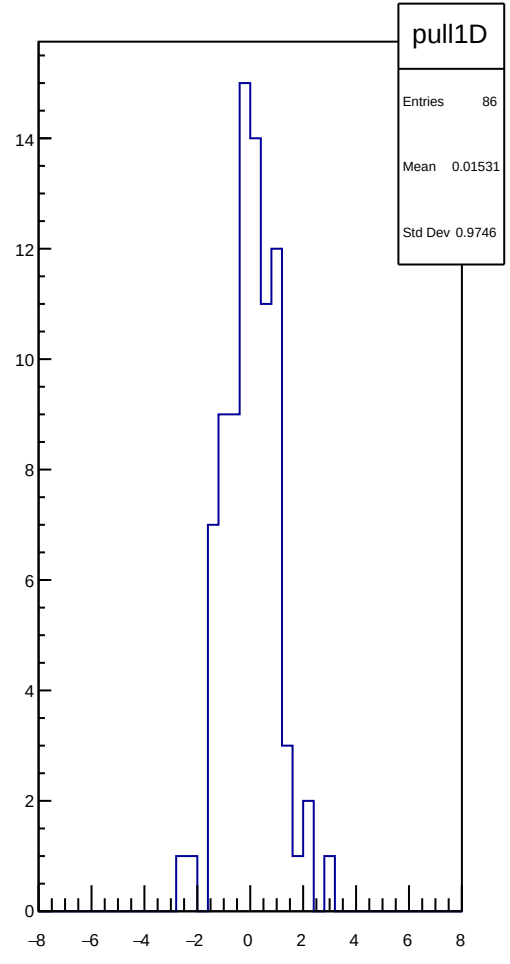

asym_sam3_correction_rms vs run
χ² / ndf 1.955e+04 / 85
p0 3597 ± 2.792
5500
5000
4500
4000
3500
3000

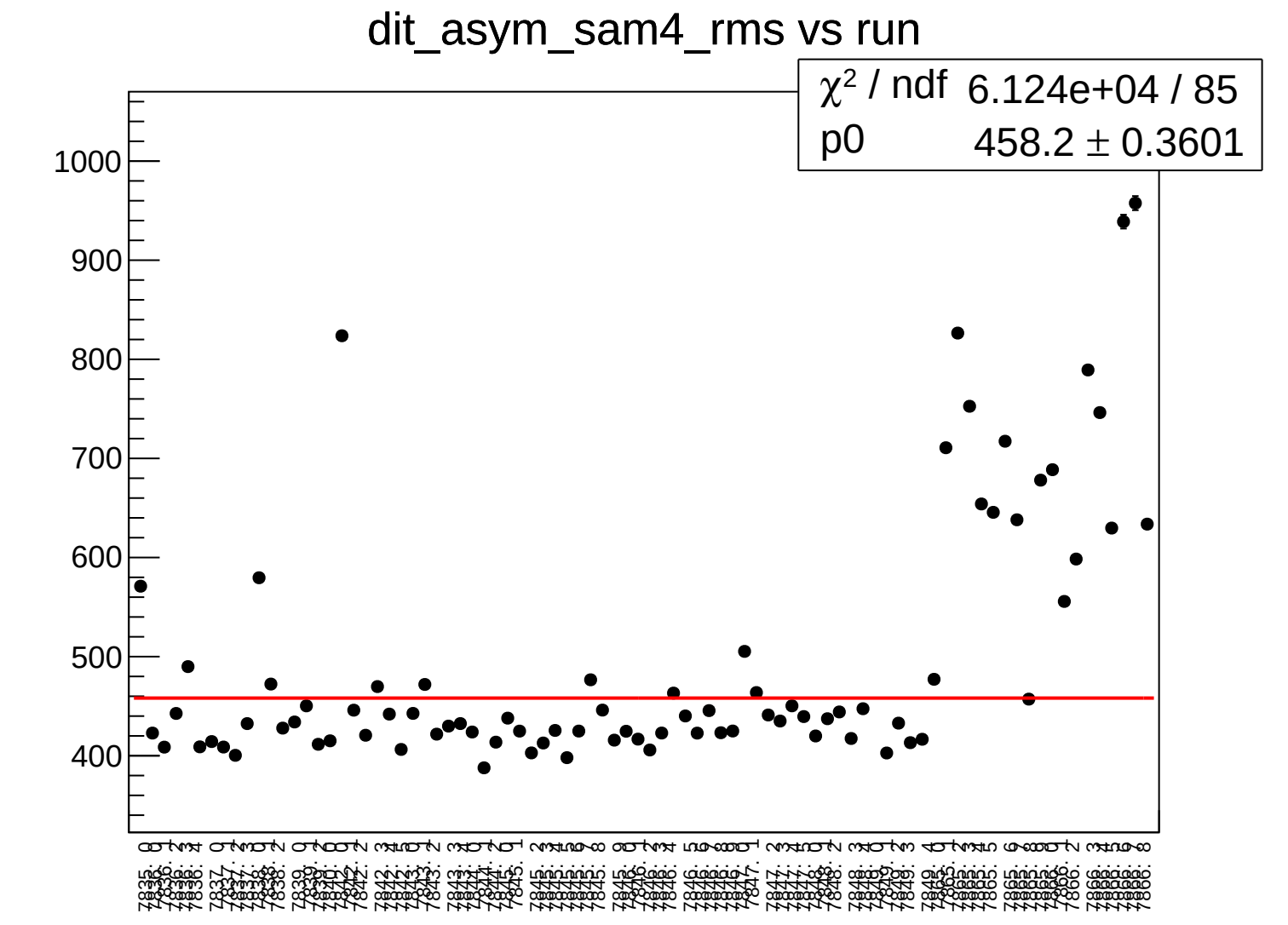

asym_sam3_mean vs run
×10^3
χ² / ndf 81.03 / 85
p0 376 ± 3975
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 171
Std Dev 138
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

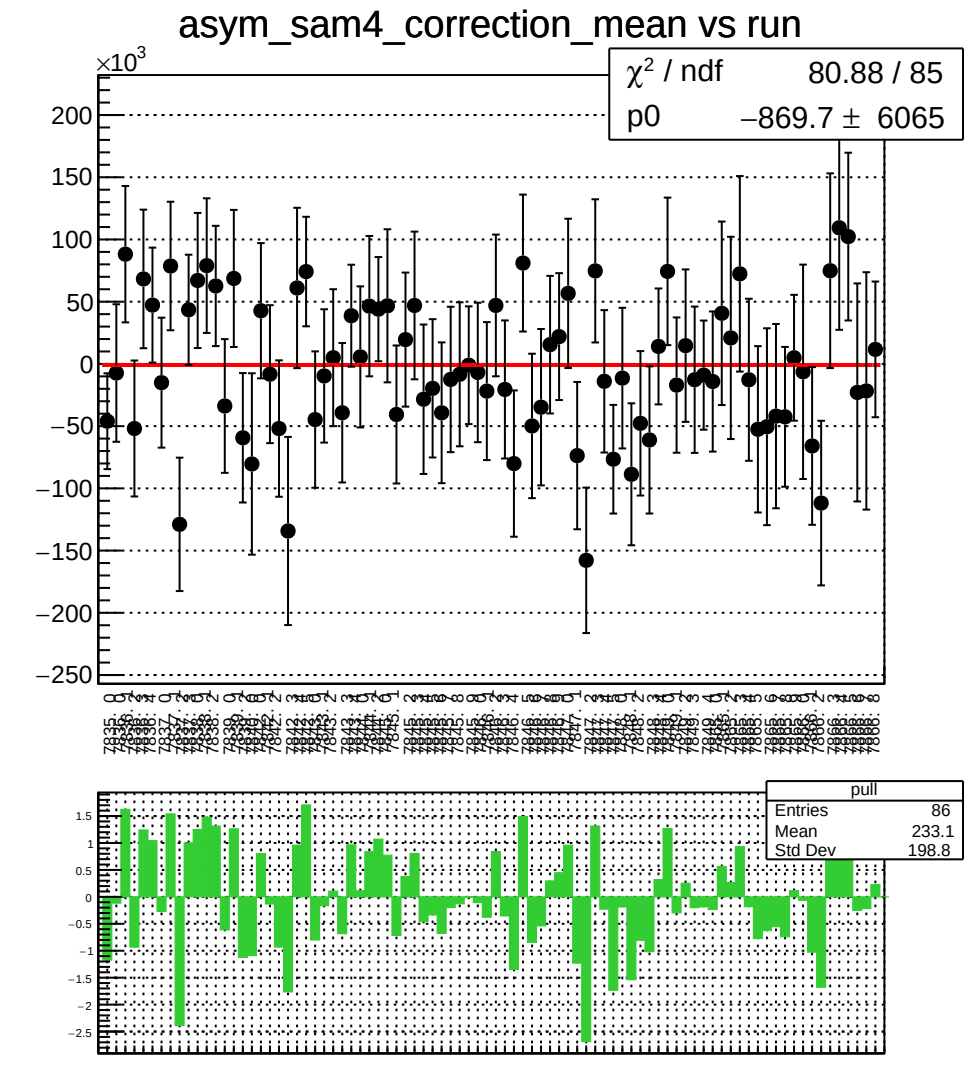

pull1D
Entries 86
Mean 0.0168
Std Dev 0.9705
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

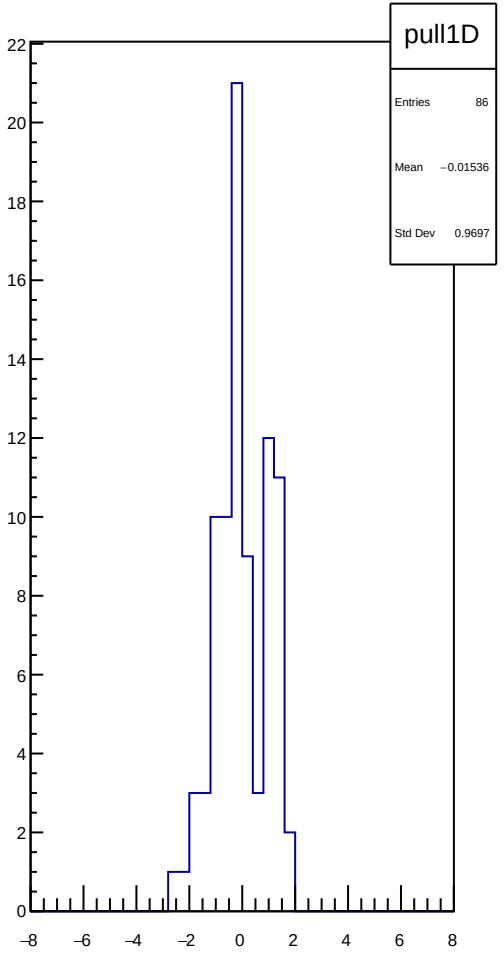

asym_sam3_rms vs run
χ^2 / ndf 2.111e+04 / 85
p0 3620 ± 2.811
6000
5500
5000
4500
4000
3500
3000

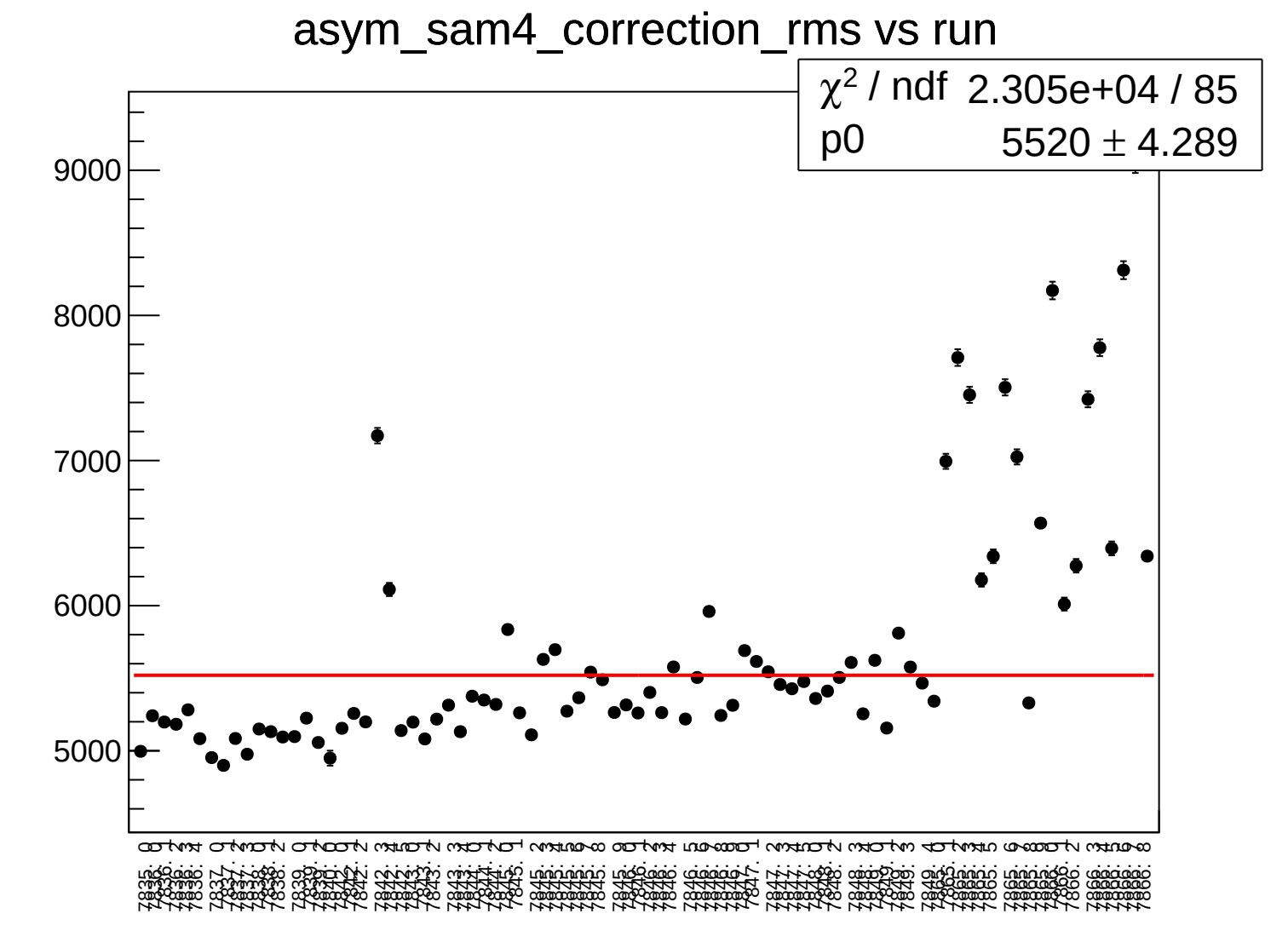

dit_asym_sam4_mean vs run
χ^2 / ndf 81.71 / 85
p0 432.1 ± 509.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 97.9
Std Dev 5.838
3
2
1
0
−1
−2
−3

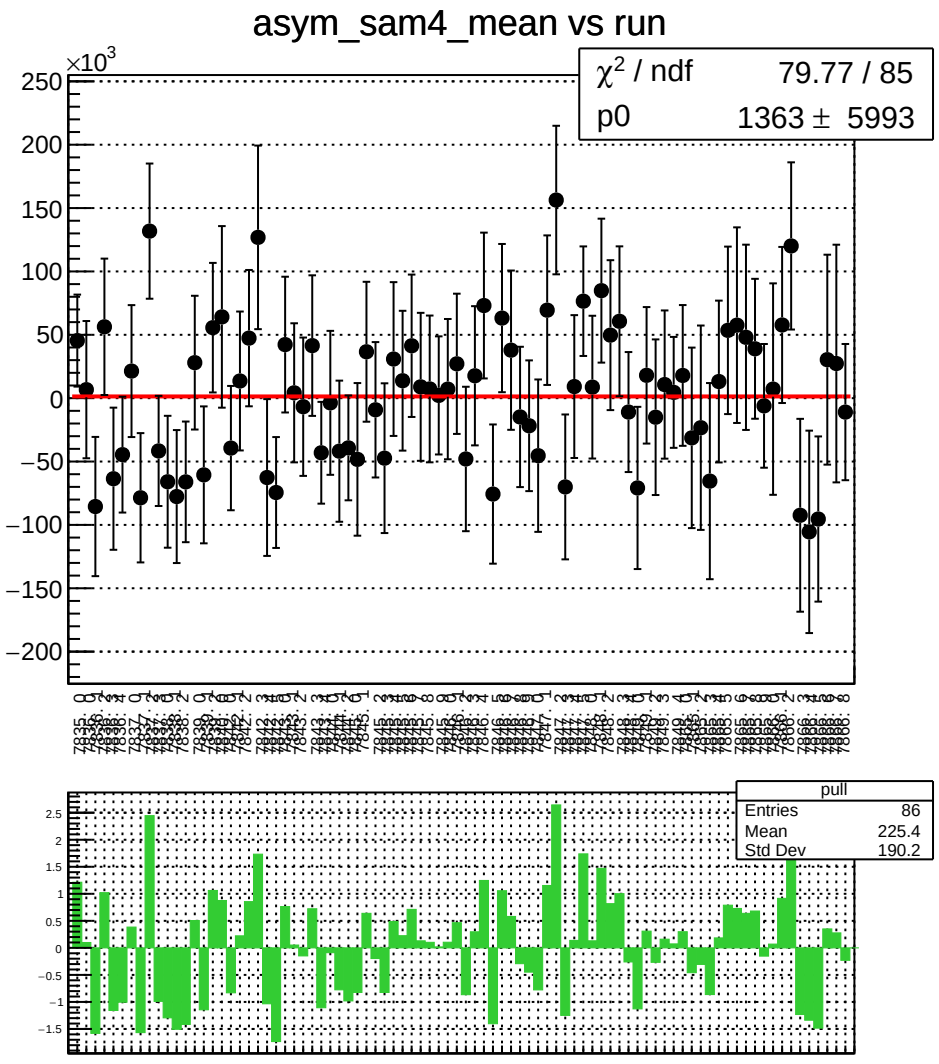

pull1D
Entries 86
Mean 0.01531
Std Dev 0.9746
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

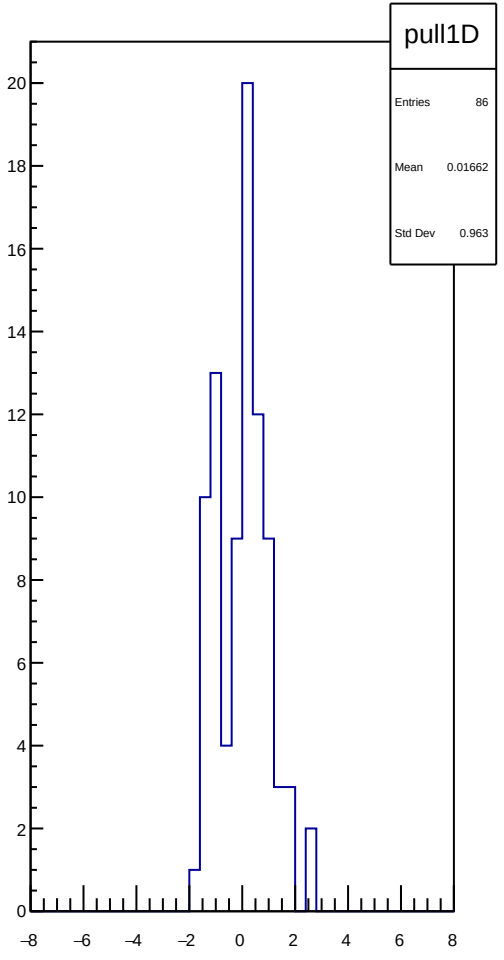

dit_asym_sam4_rms vs run
χ² / ndf 6.124e+04 / 85
p0 458.2 ± 0.3601
1000
900
800
700
600
500
400

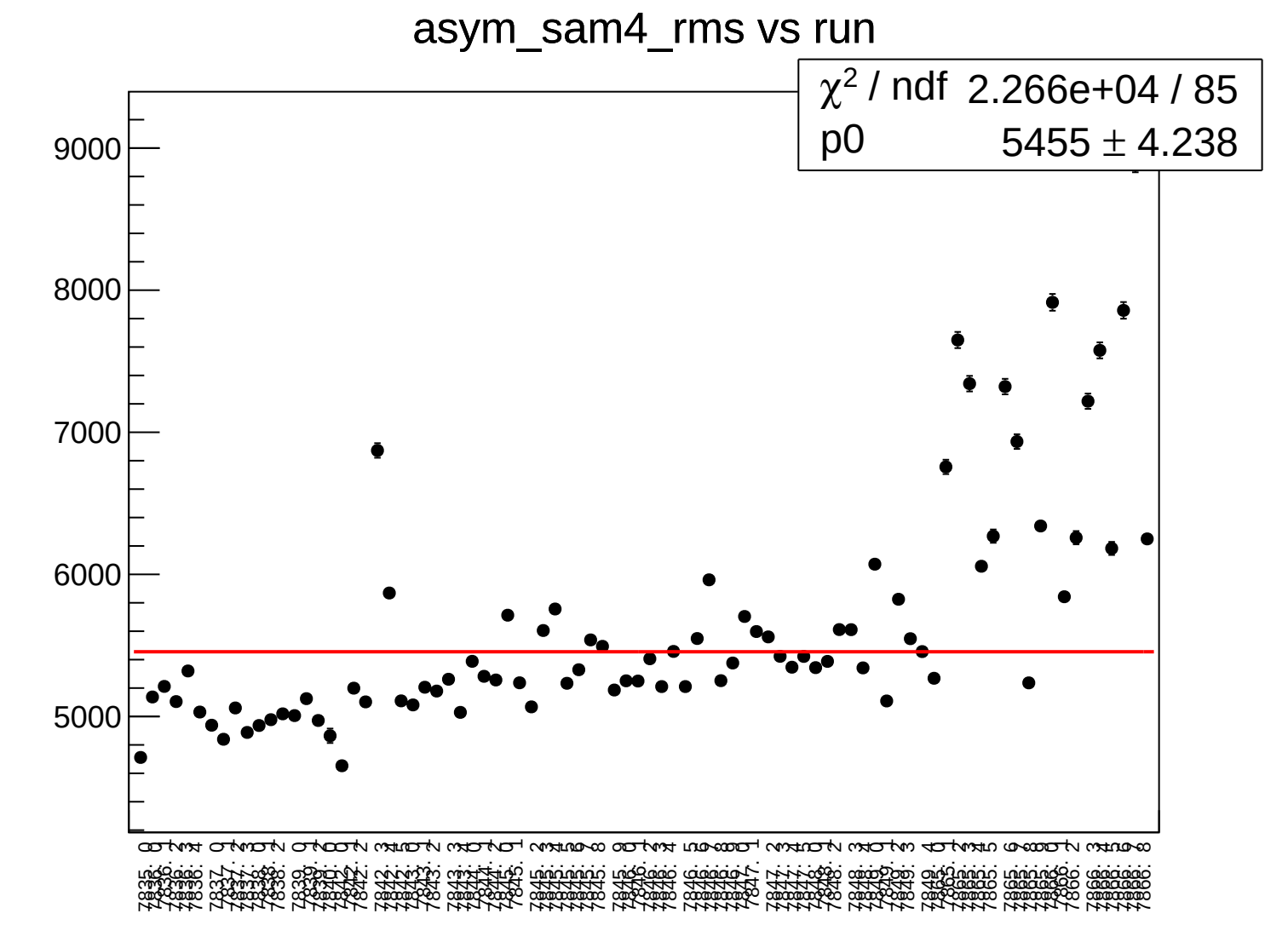

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 80.88 / 85
p0 −869.7 ± 6065
pull
Entries 86
Mean 233.1
Std Dev 198.8

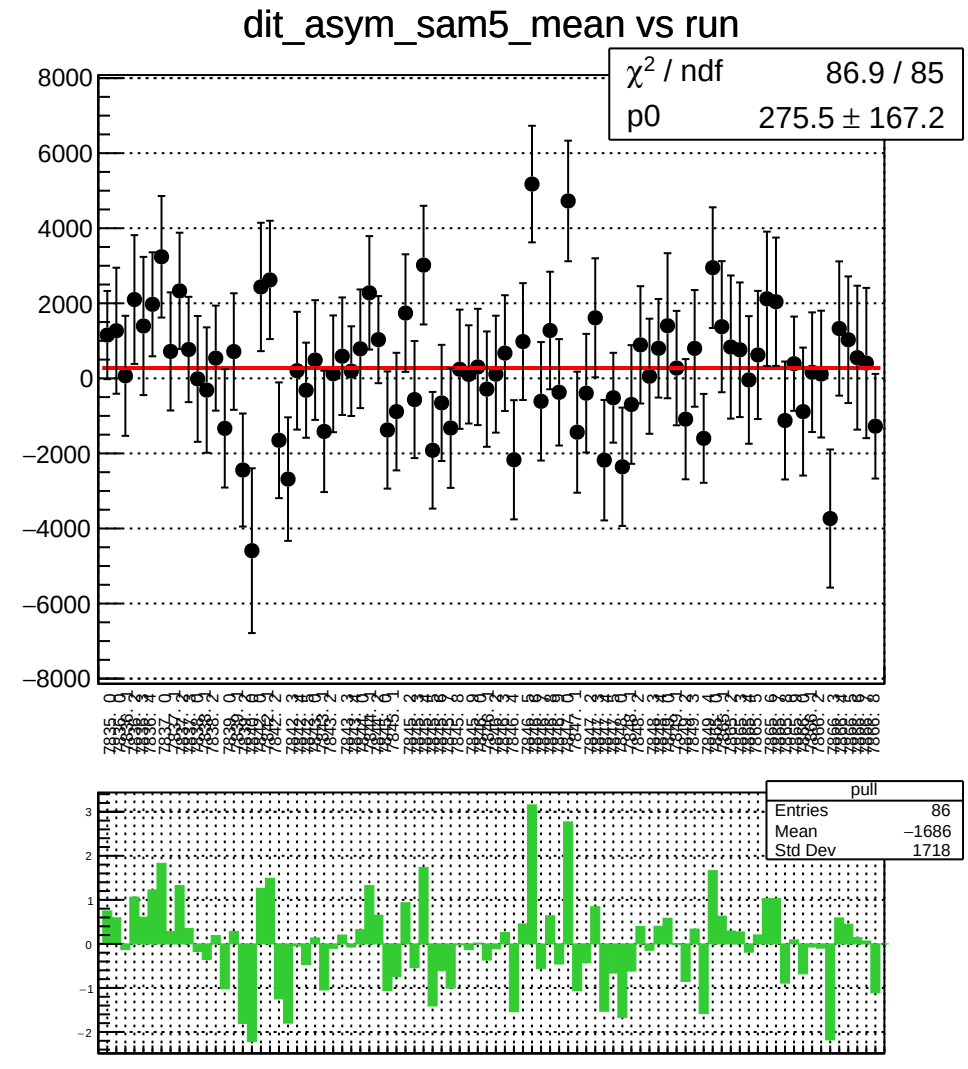

pull1D
Entries 86
Mean −0.01536
Std Dev 0.9697

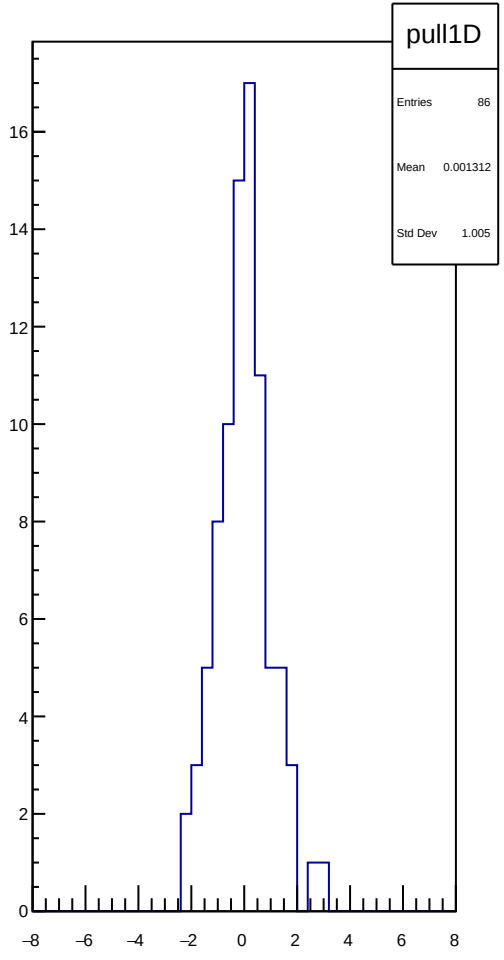

asym_sam4_correction_rms vs run
χ² / ndf 2.305e+04 / 85
p0 5520 ± 4.289
9000
8000
7000
6000
5000

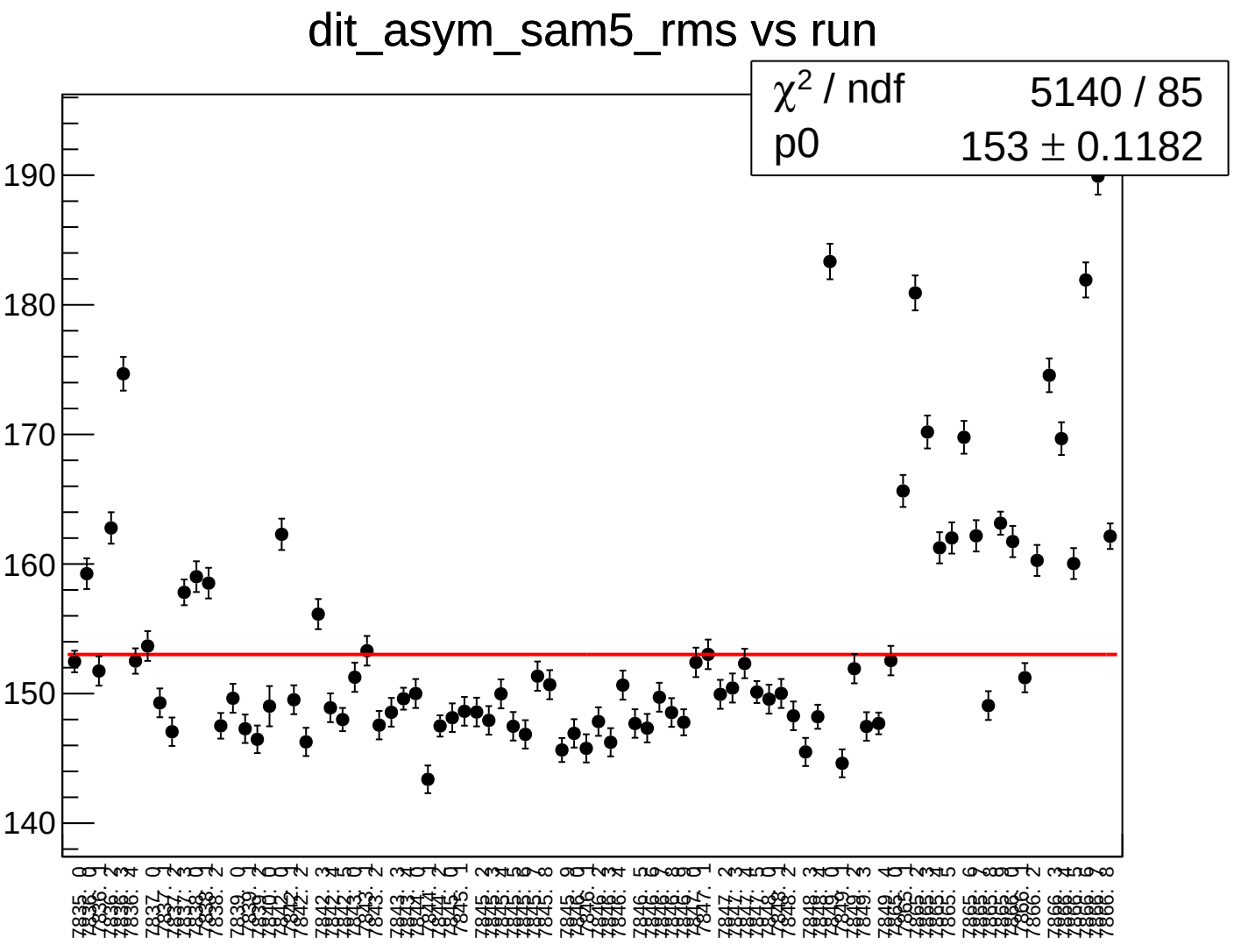

asym_sam4_mean vs run
×10^3
χ² / ndf 79.77 / 85
p0 1363 ± 5993
pull
Entries 86
Mean 225.4
Std Dev 190.2

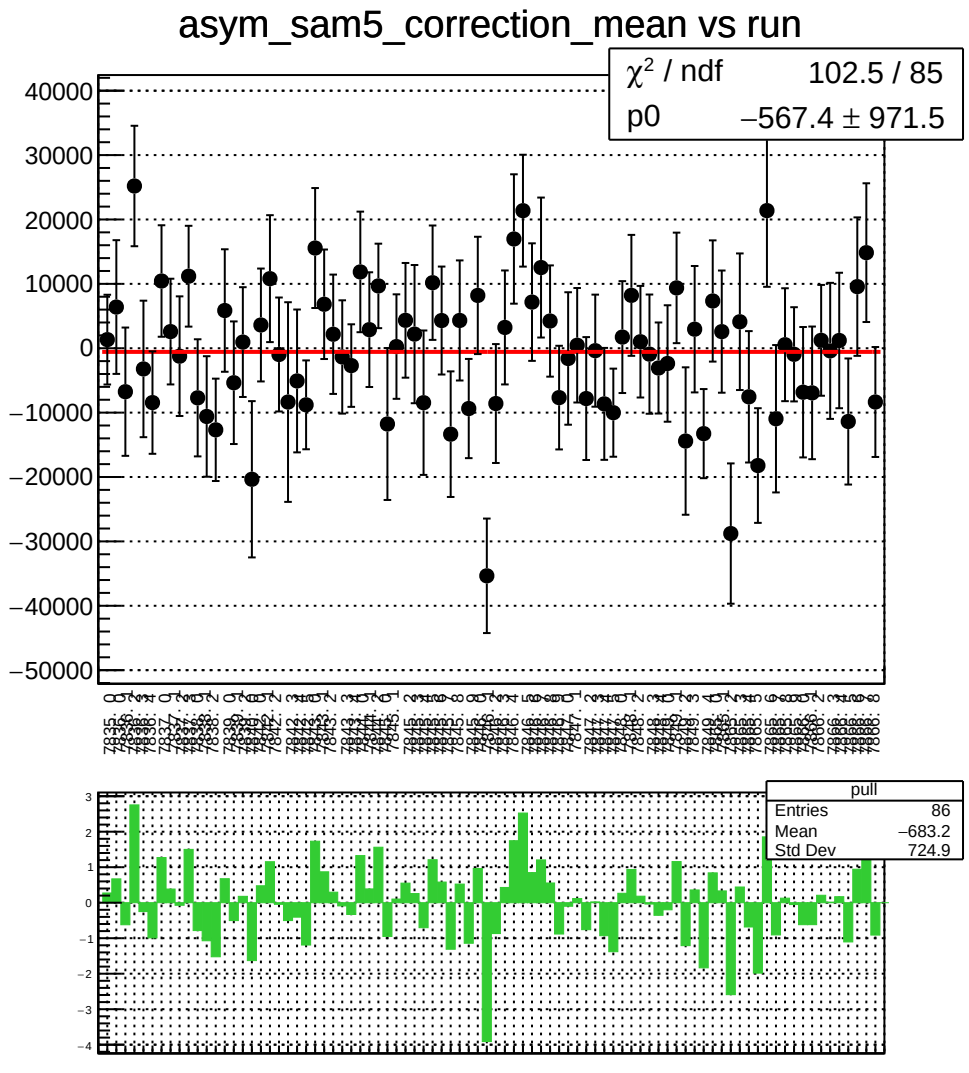

pull1D
Entries 86
Mean 0.01662
Std Dev 0.963

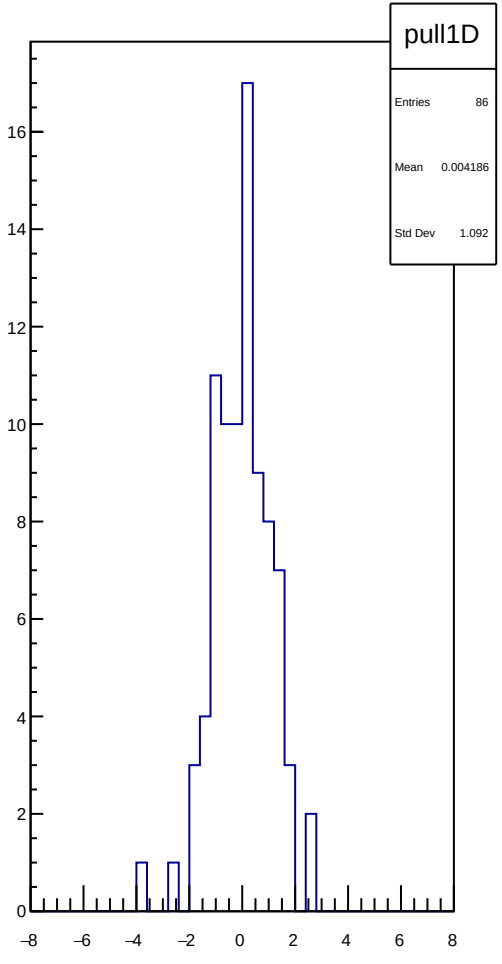

asym_sam4_rms vs run
χ² / ndf 2.266e+04 / 85
p0 5455 ± 4.238
9000
8000
7000
6000
5000

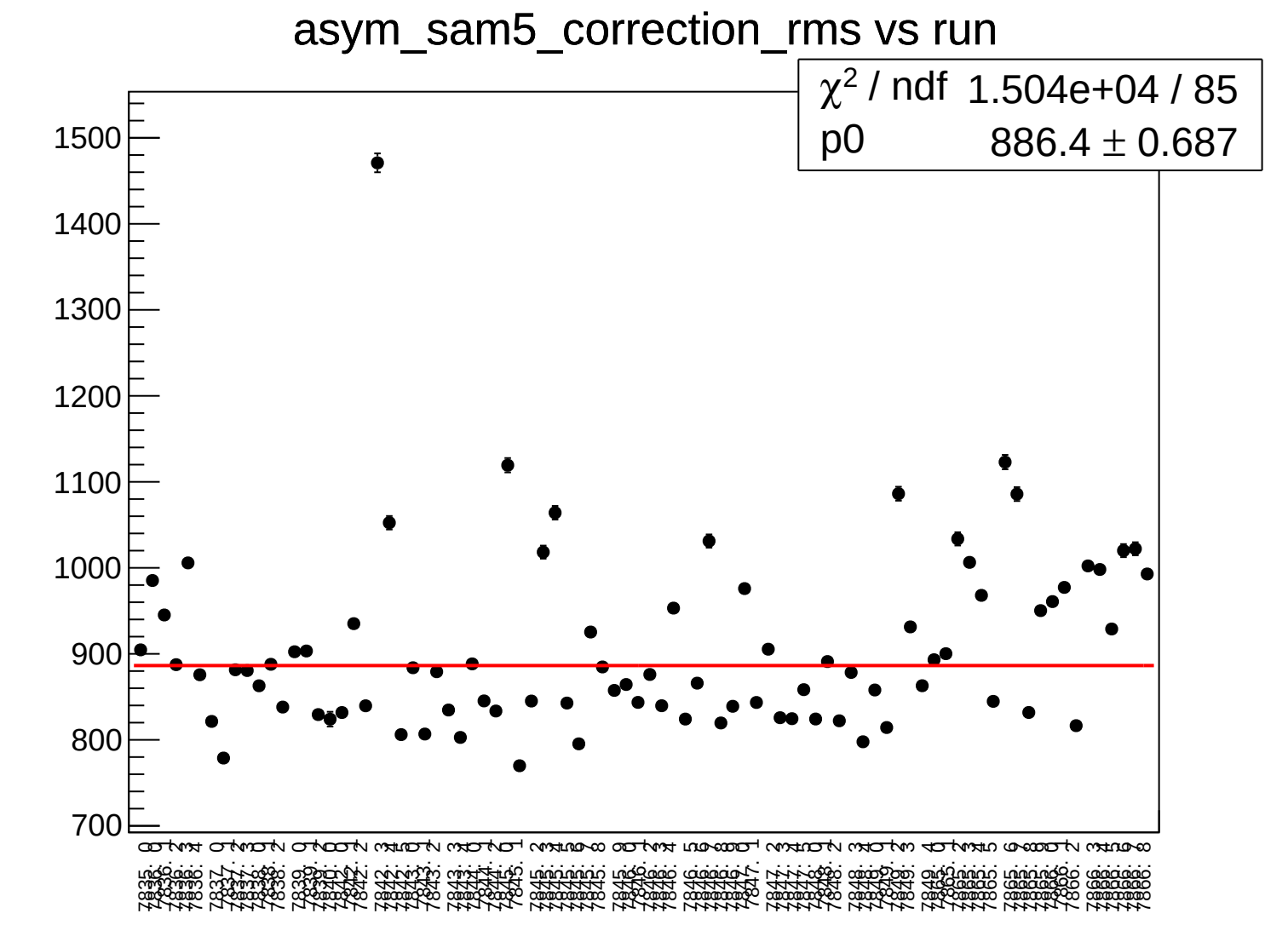

dit_asym_sam5_mean vs run
χ² / ndf 86.9 / 85
p0 275.5 ± 167.2
pull
Entries 86
Mean −1686
Std Dev 1718

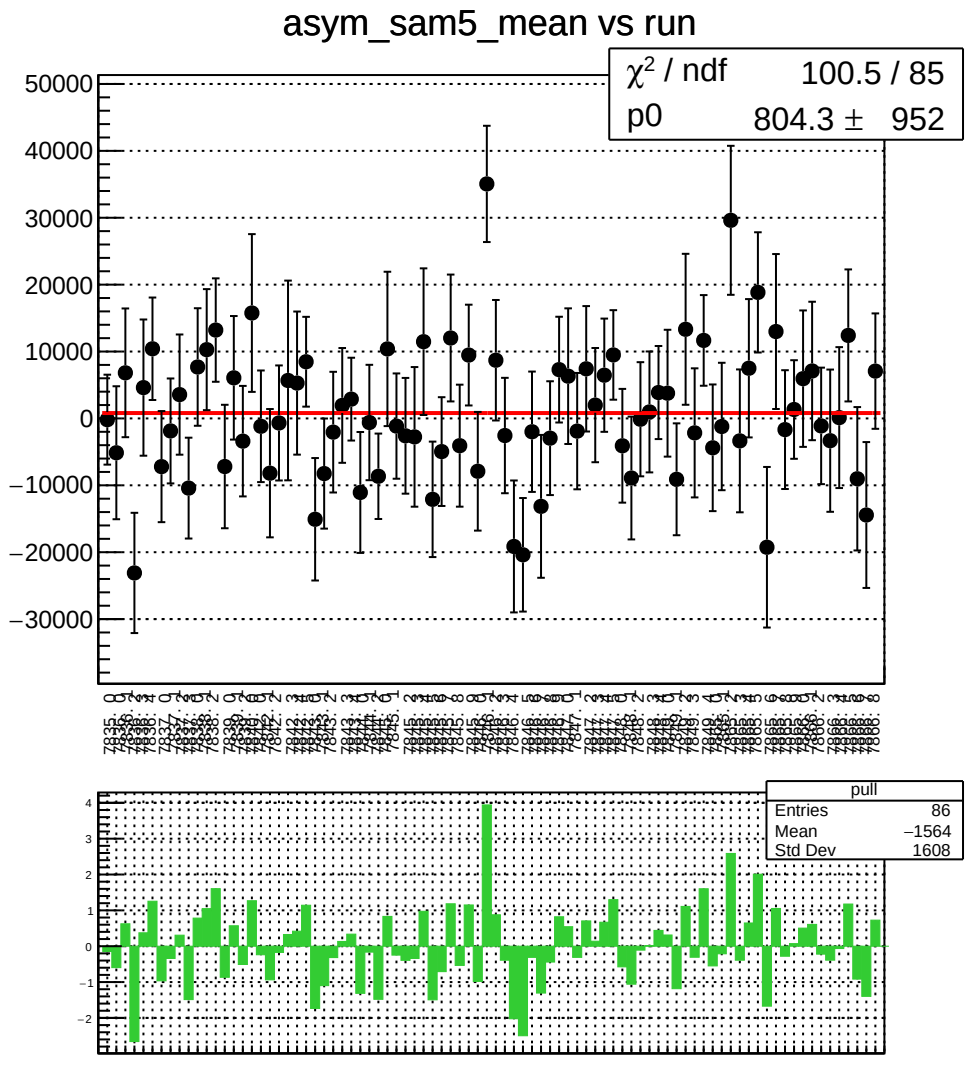

pull1D
Entries 86
Mean 0.001312
Std Dev 1.005

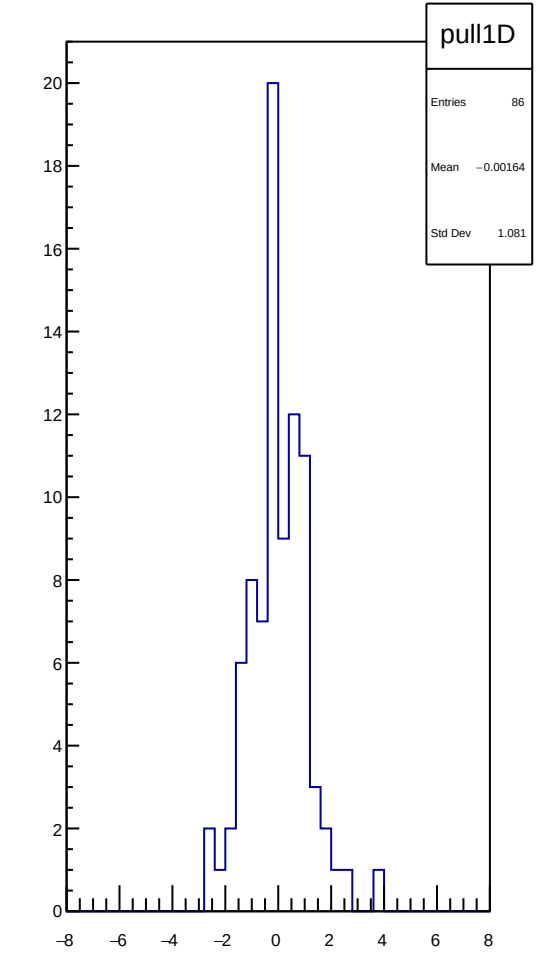

dit_asym_sam5_rms vs run
χ² / ndf 5140 / 85
p0 153 ± 0.1182
190
180
170
160
150
140

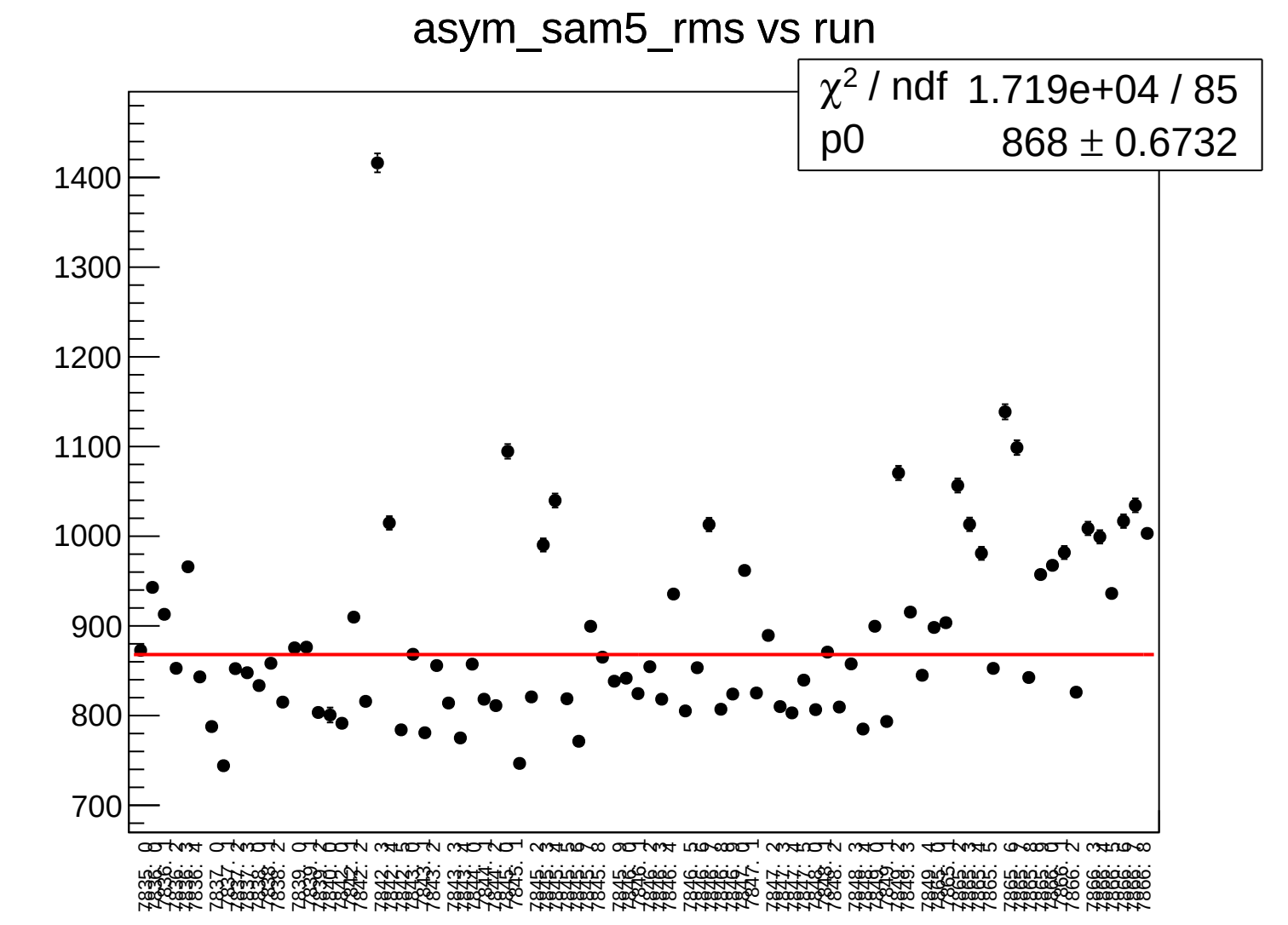

asym_sam5_correction_mean vs run
χ² / ndf 102.5 / 85
p0 −567.4 ± 971.5
pull
Entries 86
Mean −683.2
Std Dev 724.9

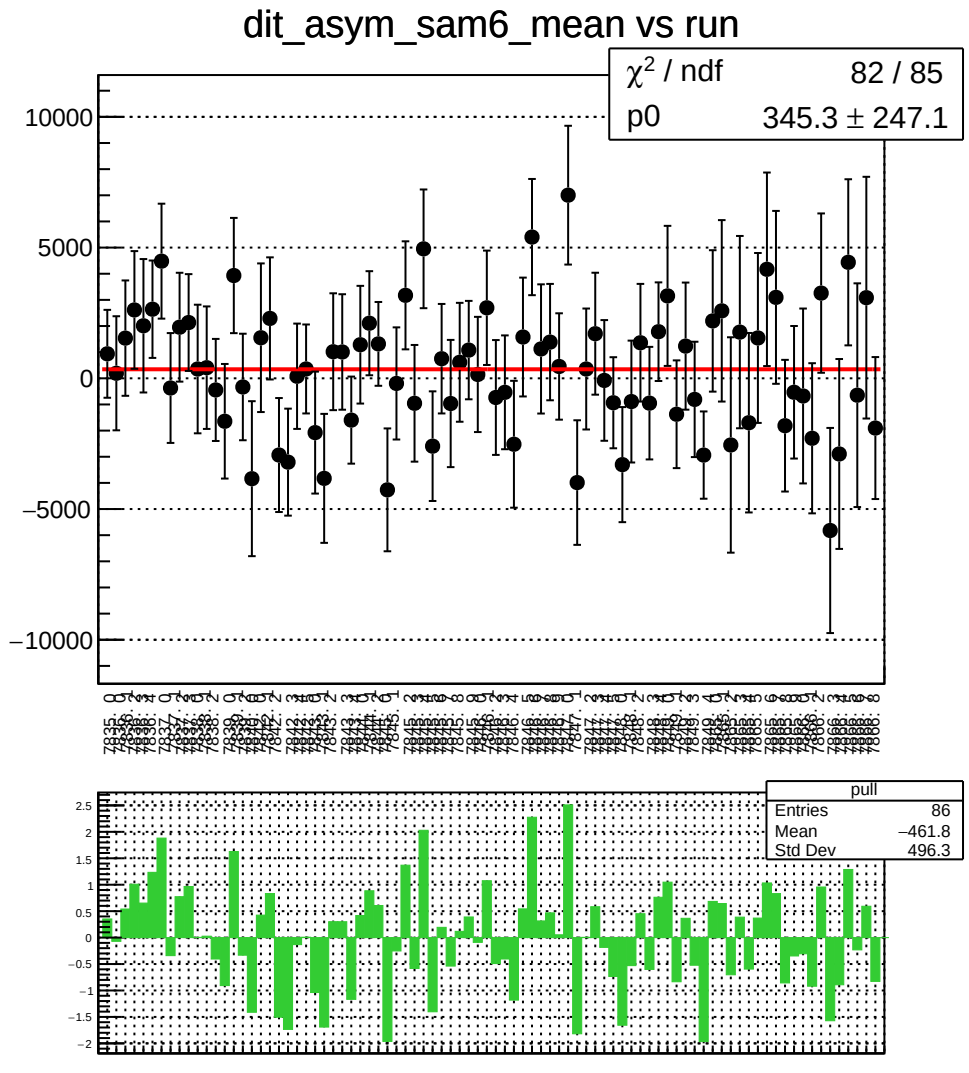

pull1D
Entries 86
Mean 0.004186
Std Dev 1.092

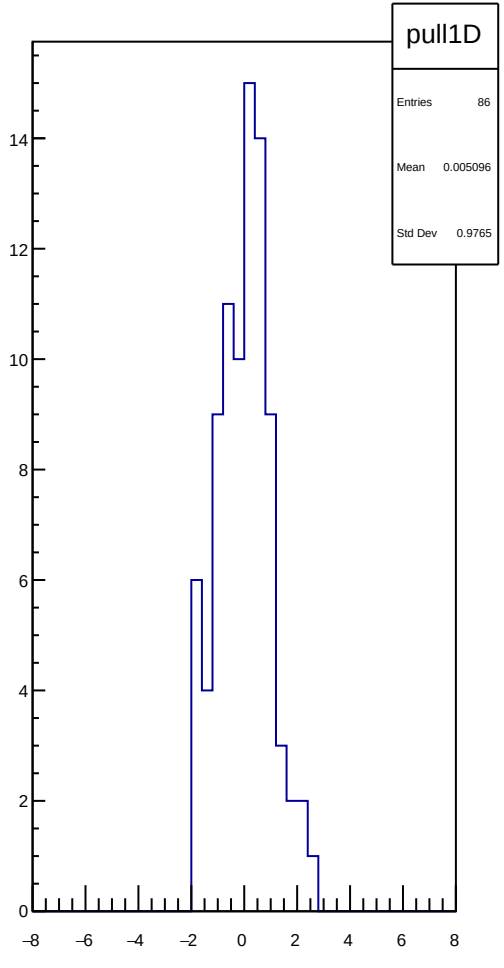

asym_sam5_correction_rms vs run
χ² / ndf 1.504e+04 / 85
p0 886.4 ± 0.687
1500
1400
1300
1200
1100
1000
900
800
700

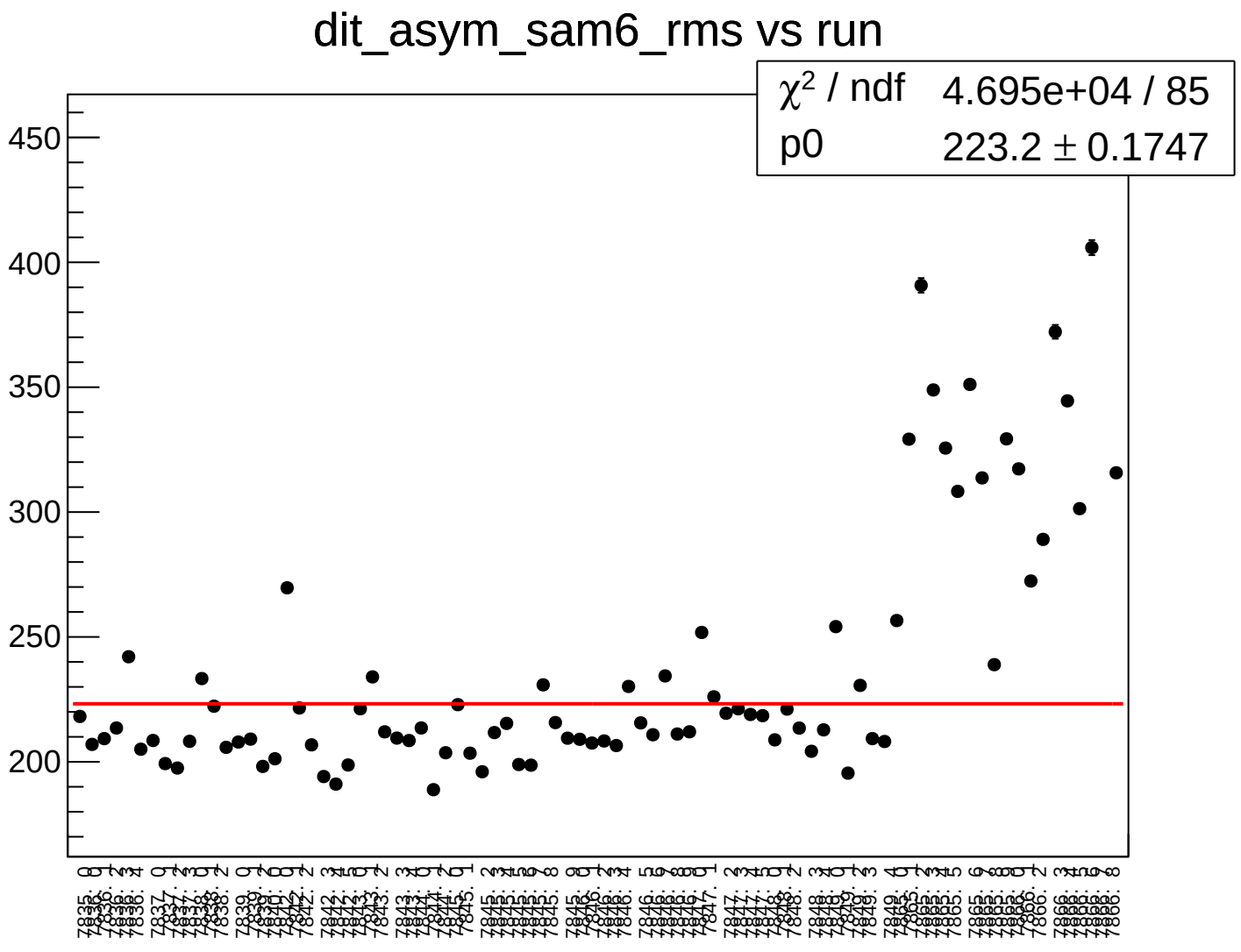

asym_sam5_mean vs run
χ² / ndf 100.5 / 85
p0 804.3 ± 952
pull
Entries 86
Mean −1564
Std Dev 1608

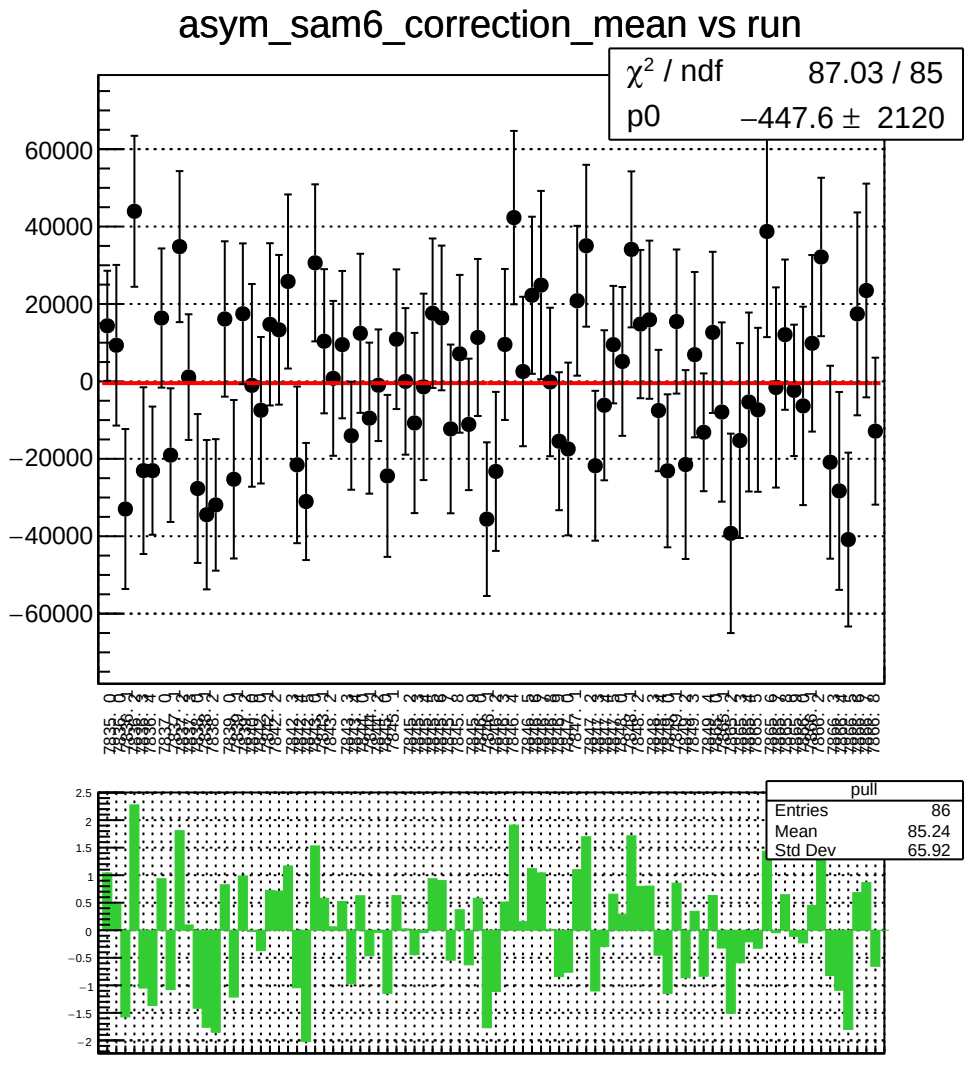

pull1D
Entries 86
Mean −0.00164
Std Dev 1.081

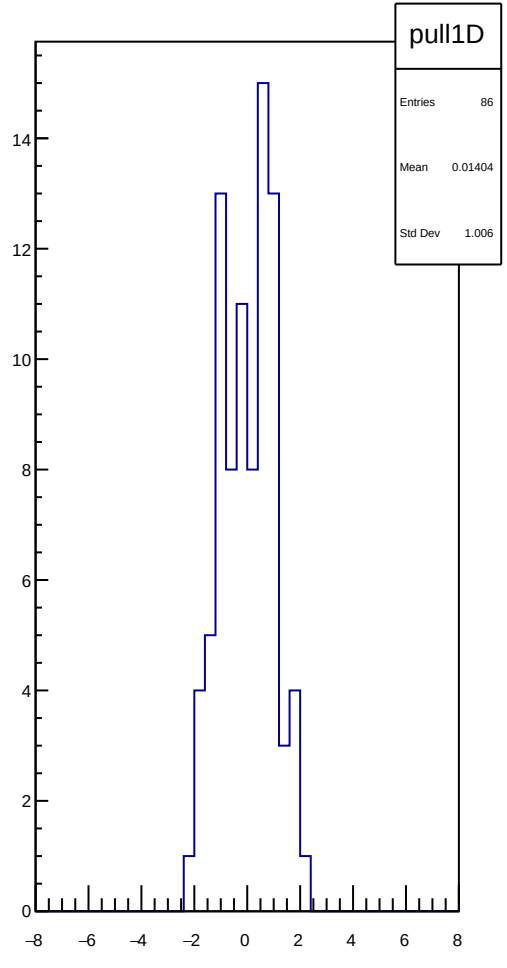

asym_sam5_rms vs run
χ^2 / ndf 1.719e+04 / 85
p0 868 ± 0.6732
1400
1300
1200
1100
1000
900
800
700

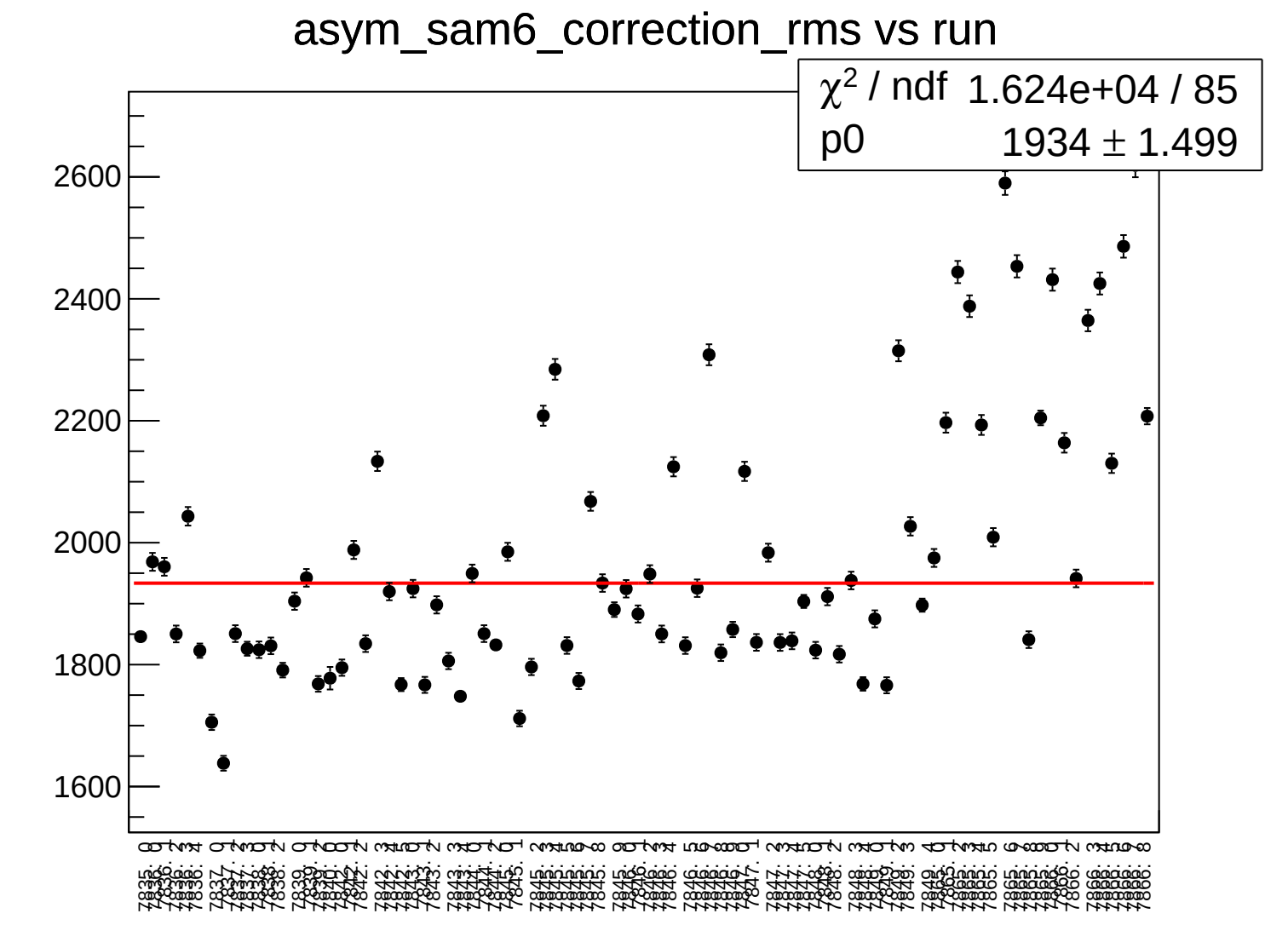

dit_asym_sam6_mean vs run
χ² / ndf 82 / 85
p0 345.3 ± 247.1
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −461.8
Std Dev 496.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

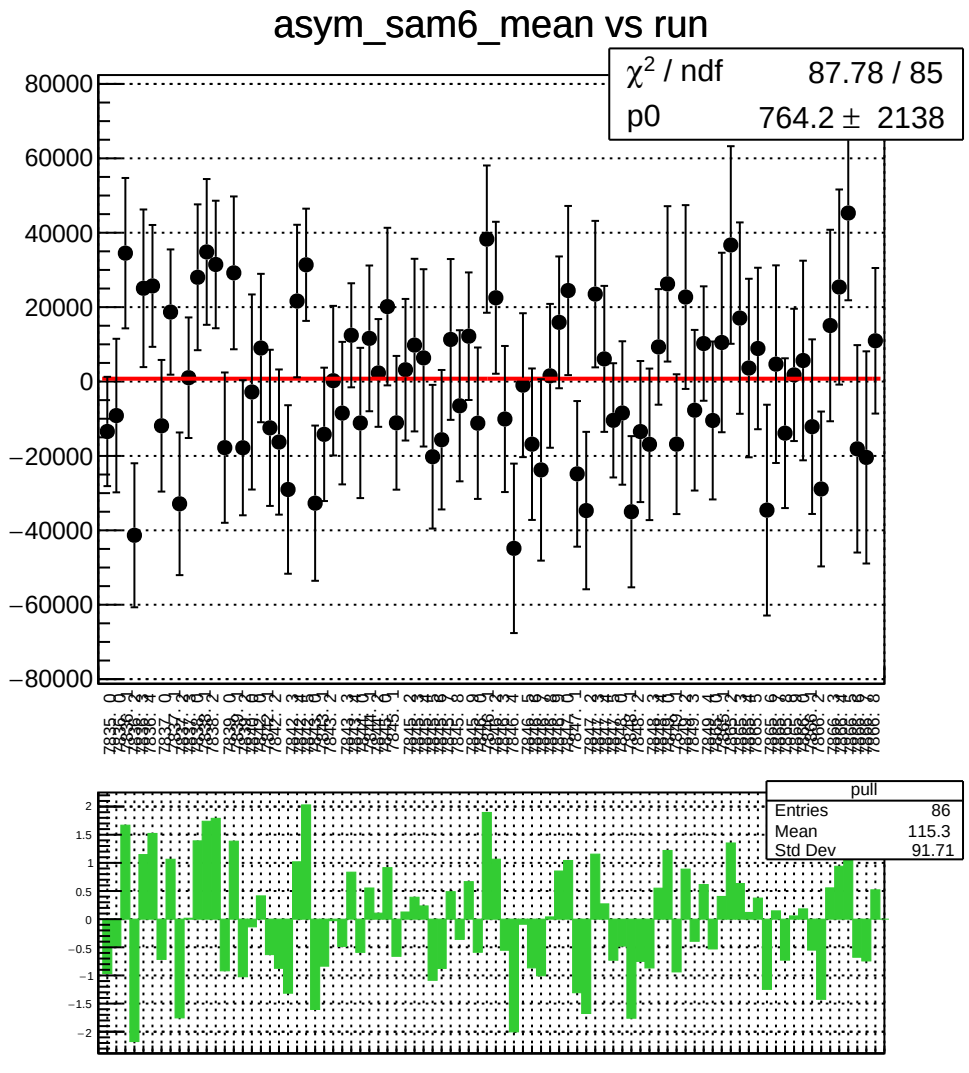

pull1D
Entries 86
Mean 0.005096
Std Dev 0.9765
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

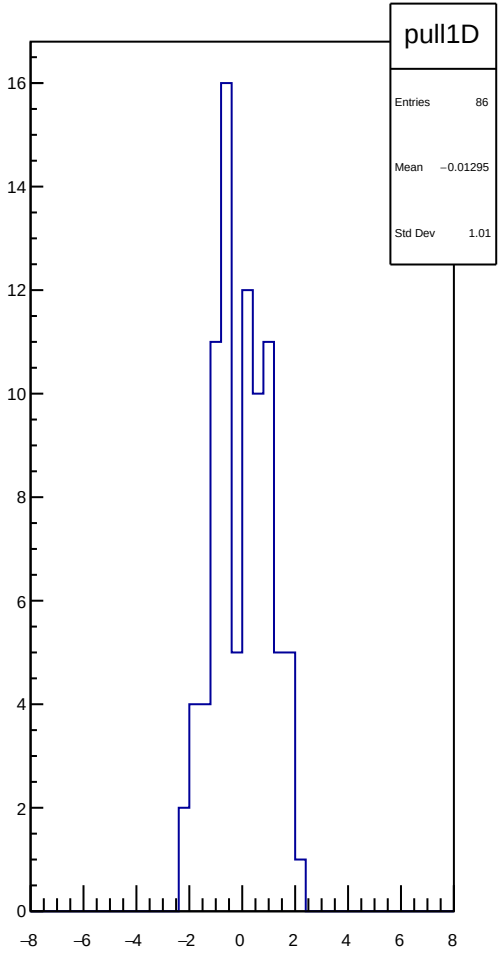

dit_asym_sam6_rms vs run
χ² / ndf 4.695e+04 / 85
p0 223.2 ± 0.1747
450
400
350
300
250
200

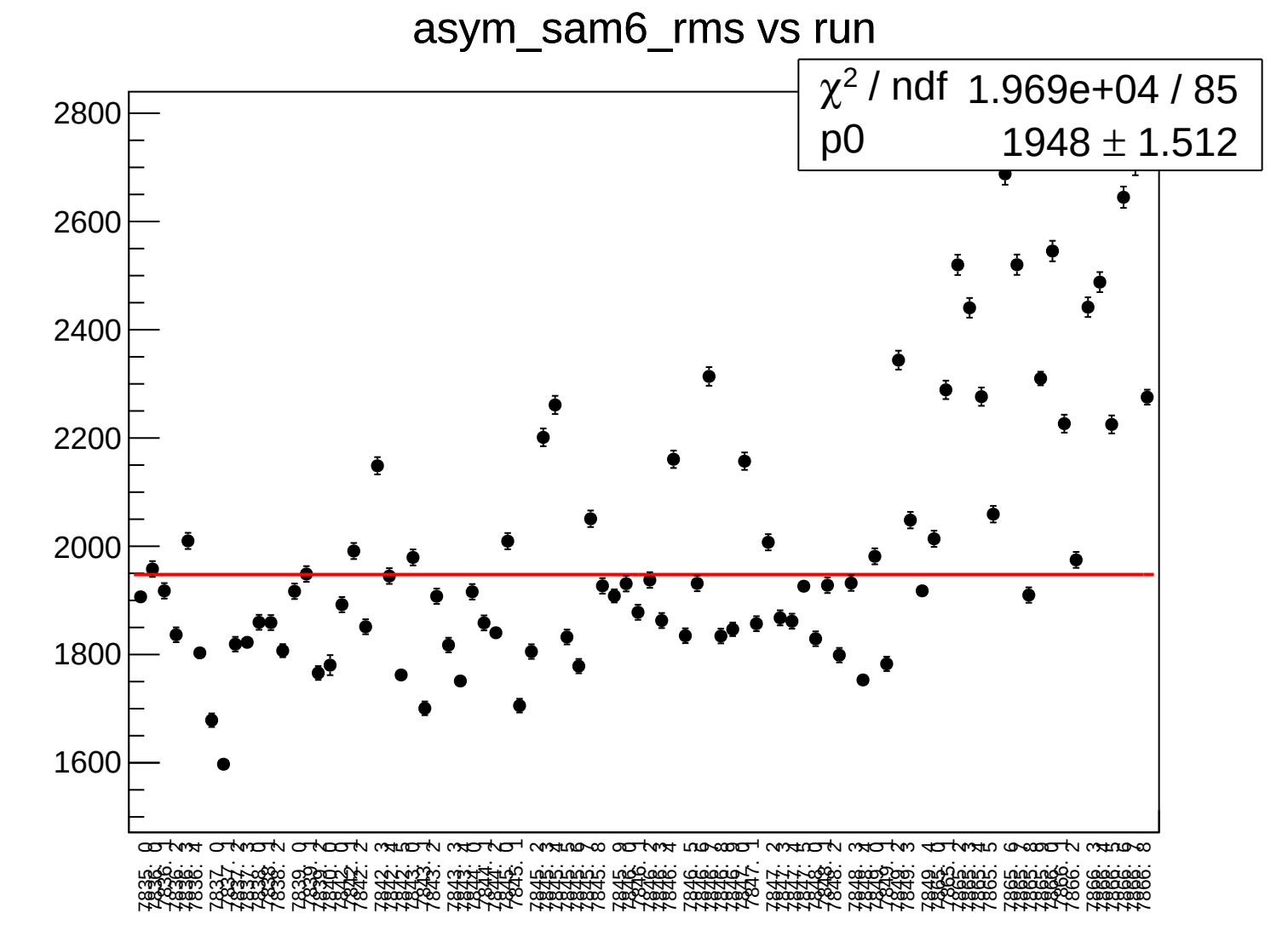

asym_sam6_correction_mean vs run
χ² / ndf 87.03 / 85
p0 −447.6 ± 2120
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 85.24
Std Dev 65.92
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

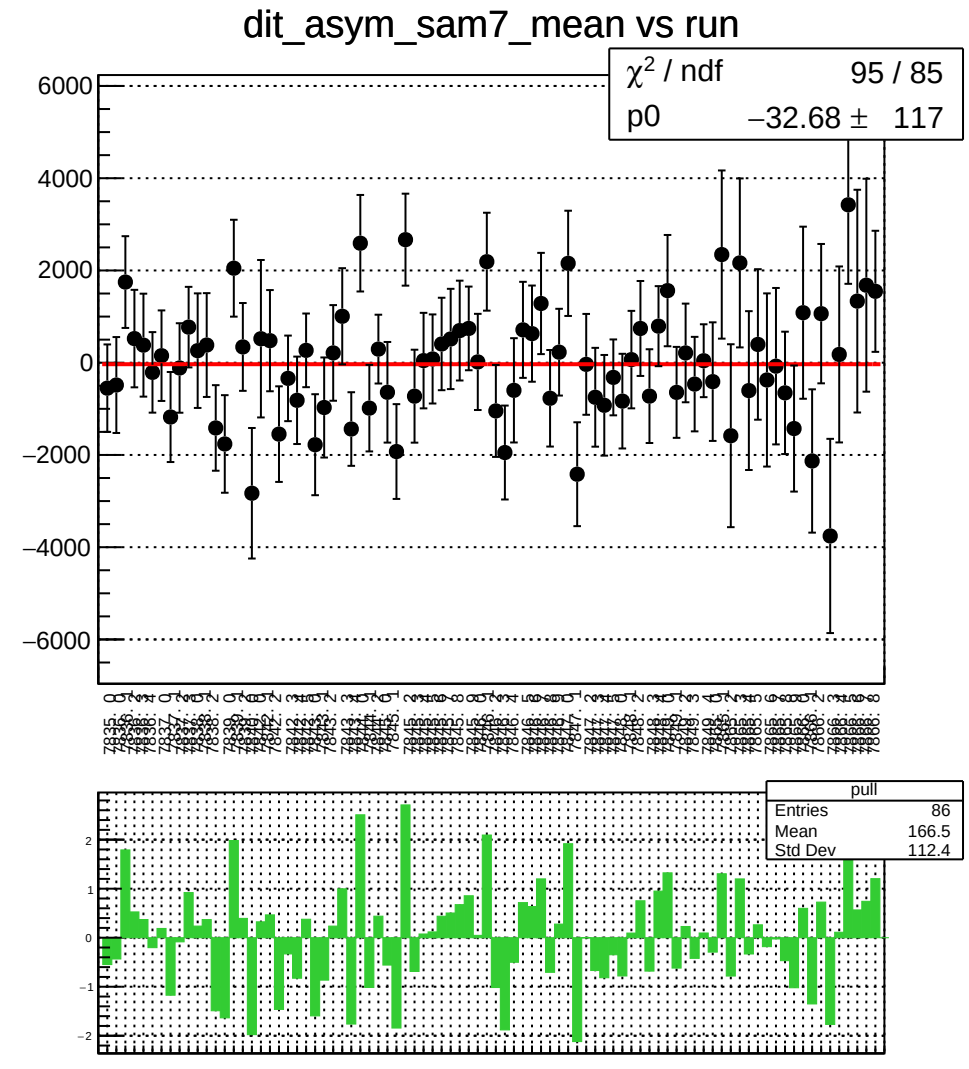

pull1D
Entries 86
Mean 0.01404
Std Dev 1.006
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

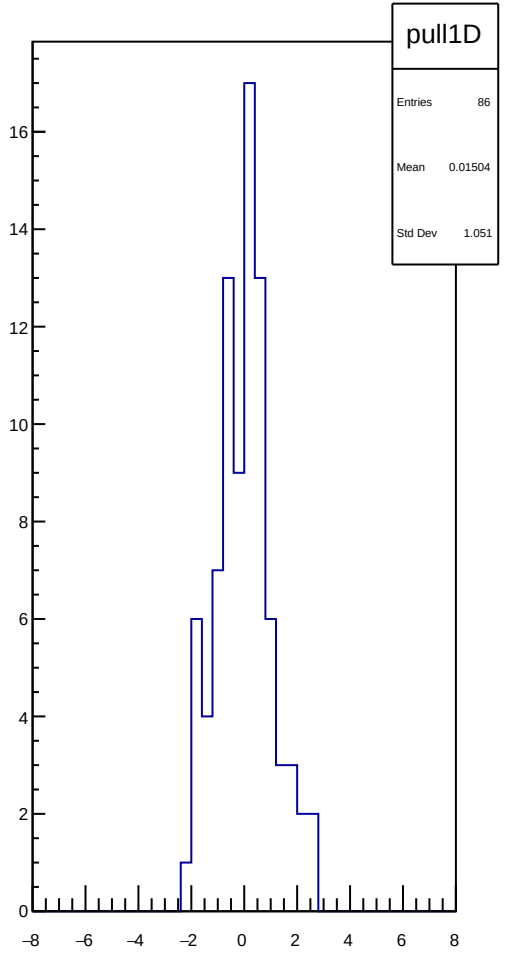

asym_sam6_correction_rms vs run
χ² / ndf 1.624e+04 / 85
p0 1934 ± 1.499
2600
2400
2200
2000
1800
1600

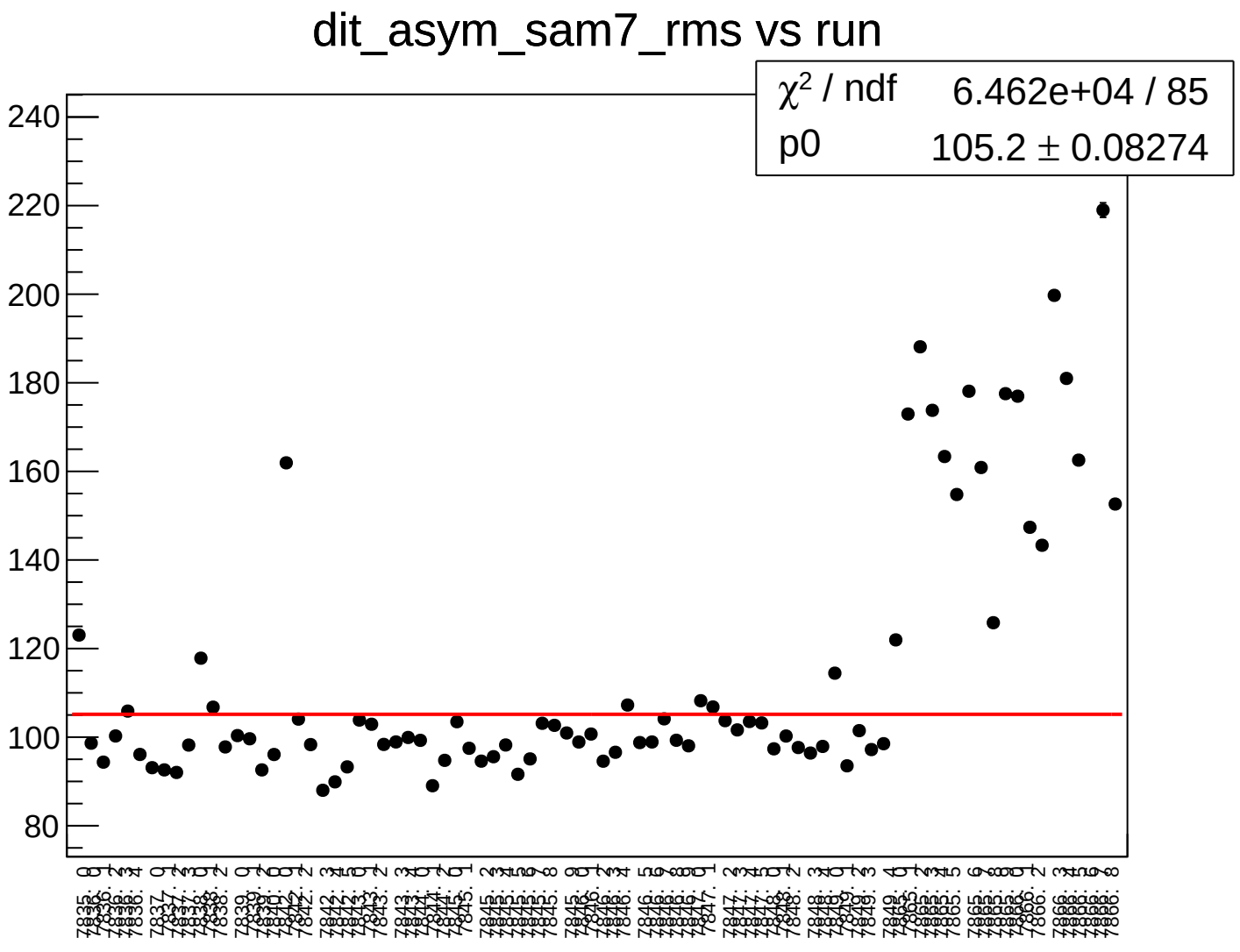

asym_sam6_mean vs run
χ² / ndf 87.78 / 85
p0 764.2 ± 2138
pull
Entries 86
Mean 115.3
Std Dev 91.71

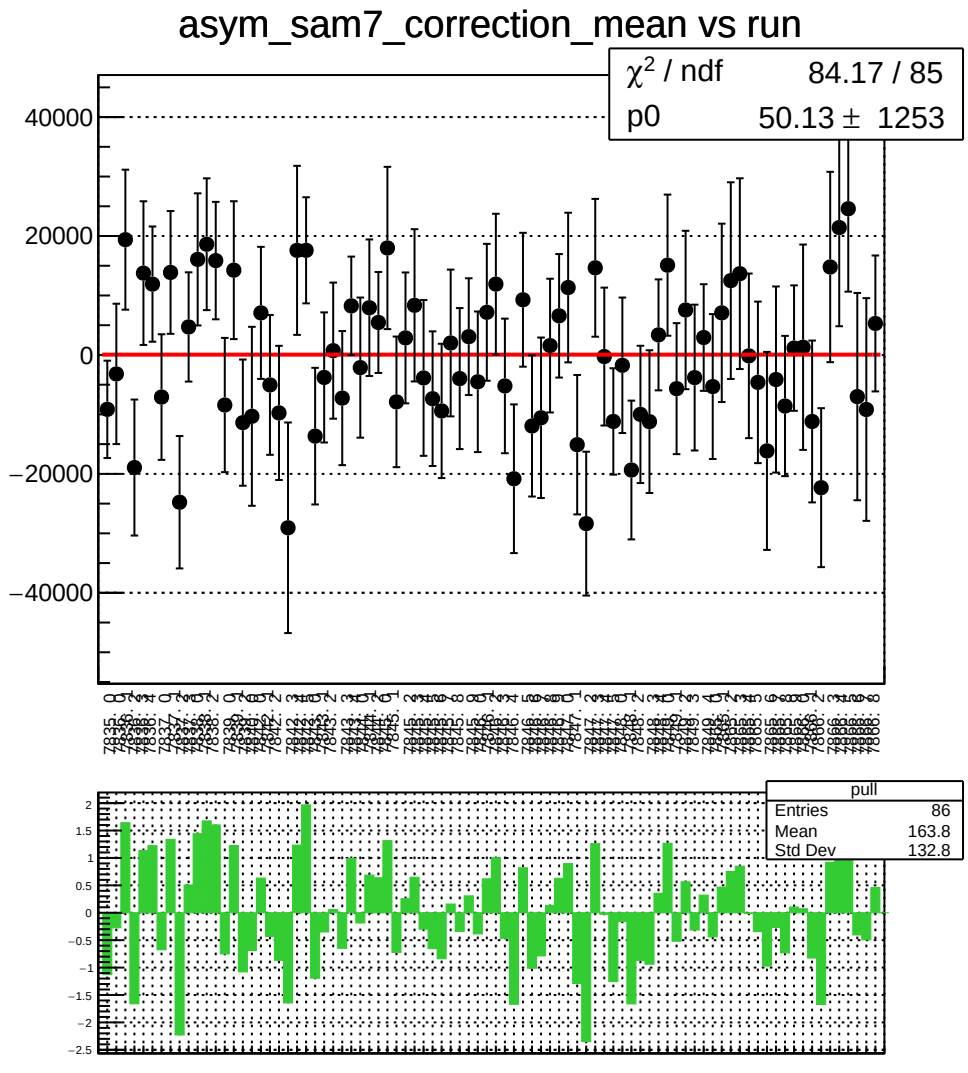

pull1D
Entries 86
Mean −0.01295
Std Dev 1.01

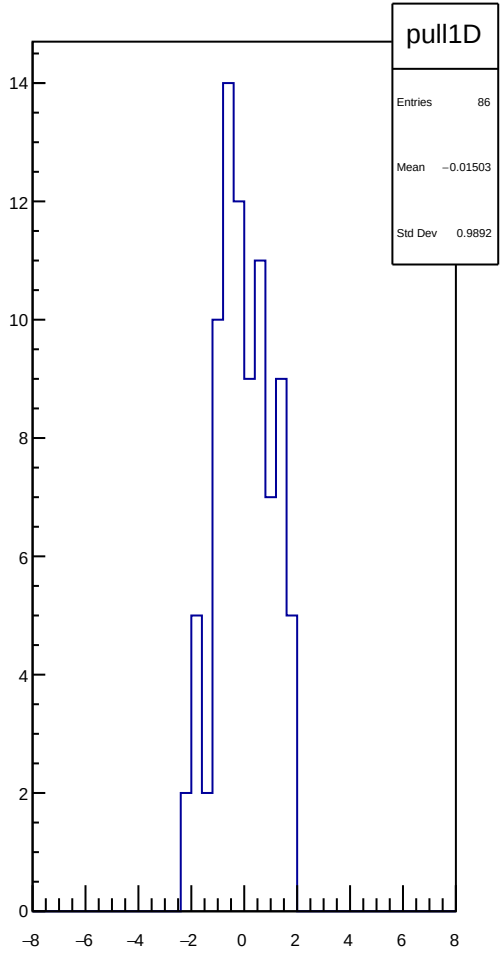

asym_sam6_rms vs run
χ^2 / ndf 1.969e+04 / 85
p0 1948 ± 1.512
2800
2600
2400
2200
2000
1800
1600

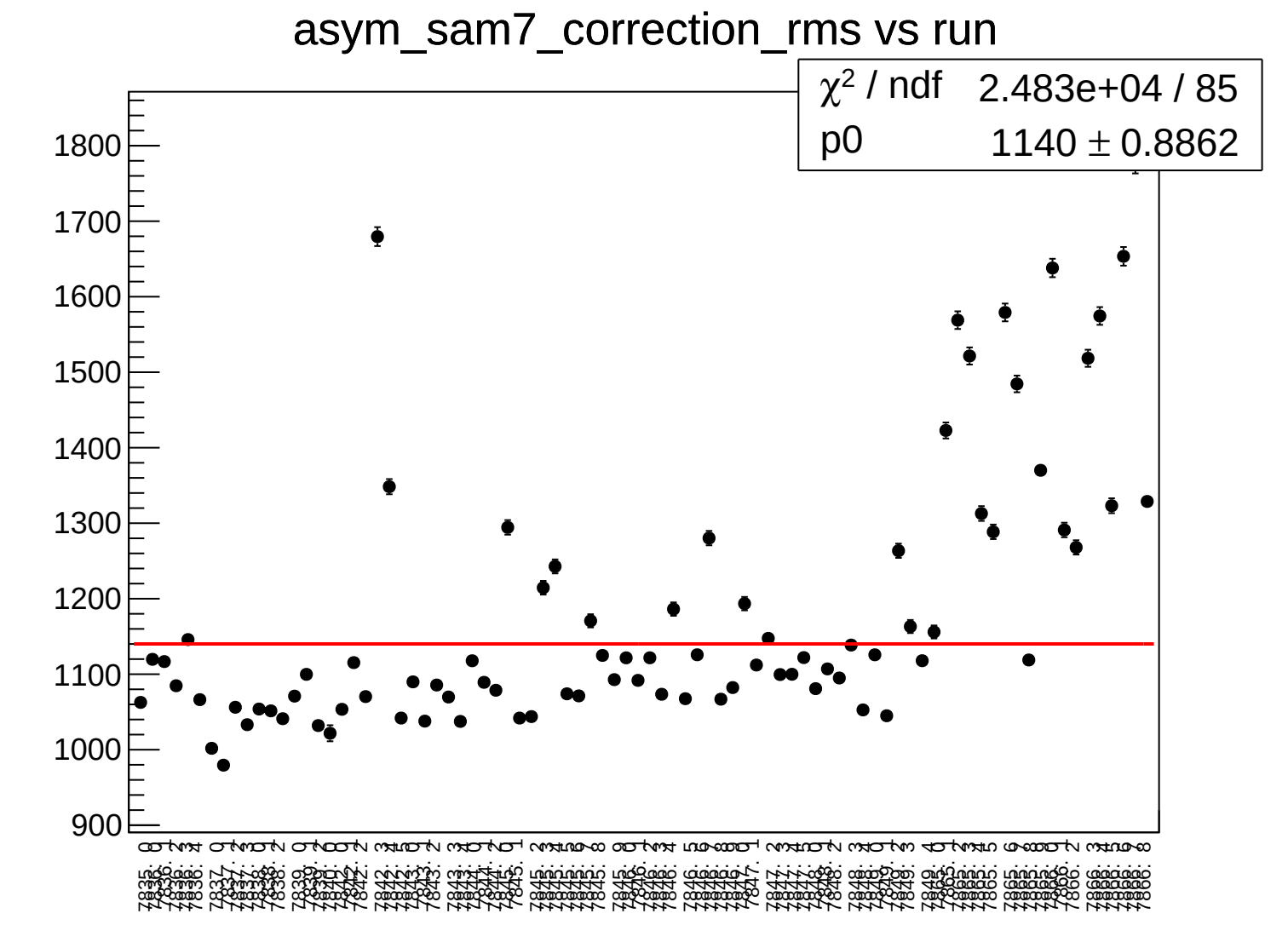

dit_asym_sam7_mean vs run
χ² / ndf 95 / 85
p0 −32.68 ± 117
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 166.5
Std Dev 112.4
2
1
0
−1
−2

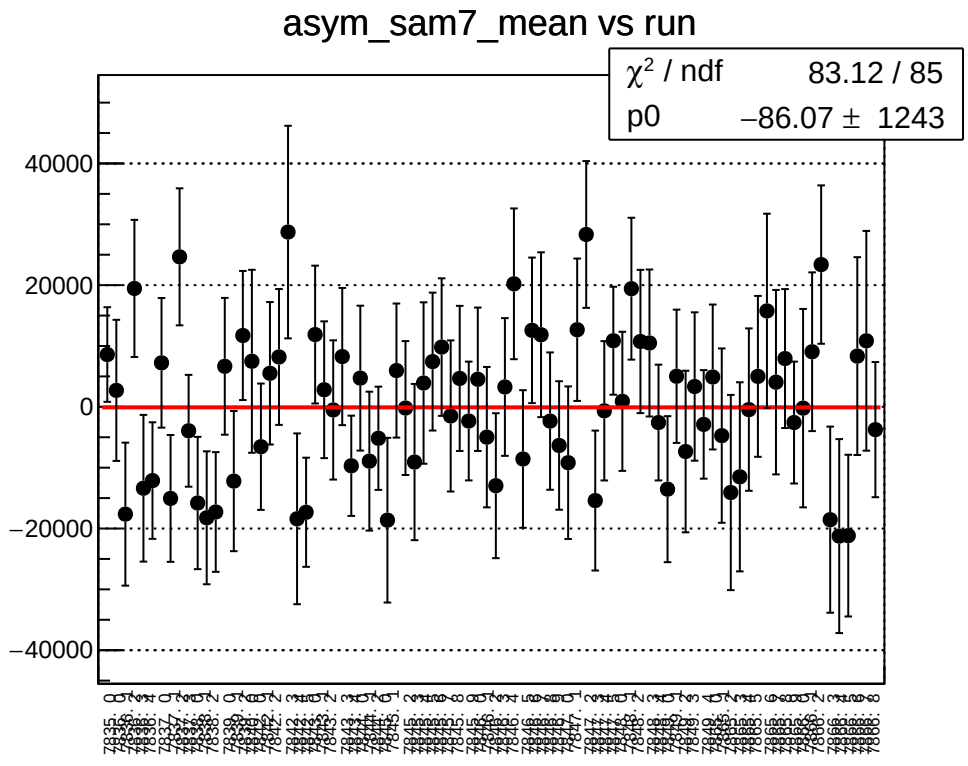

pull1D
Entries 86
Mean 0.01504
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

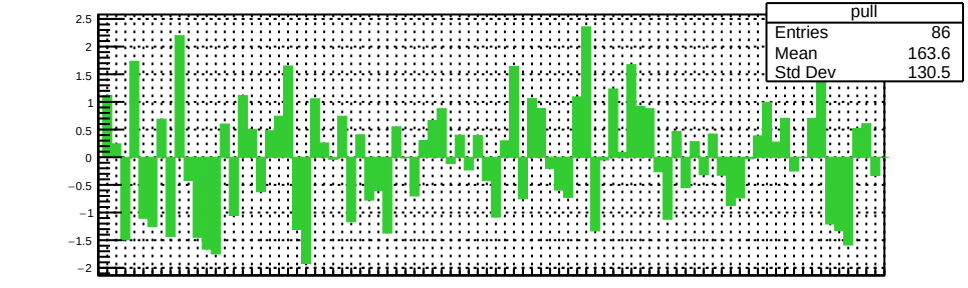

dit_asym_sam7_rms vs run
χ^2 / ndf 6.462e+04 / 85
p0 105.2 ± 0.08274
240
220
200
180
160
140
120
100
80

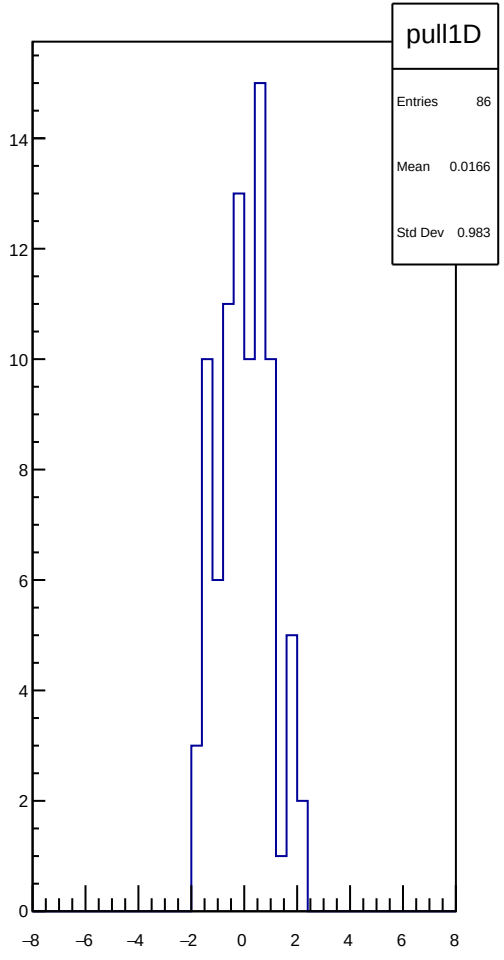

asym_sam7_correction_mean vs run
χ² / ndf 84.17 / 85
p0 50.13 ± 1253
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 163.8
Std Dev 132.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

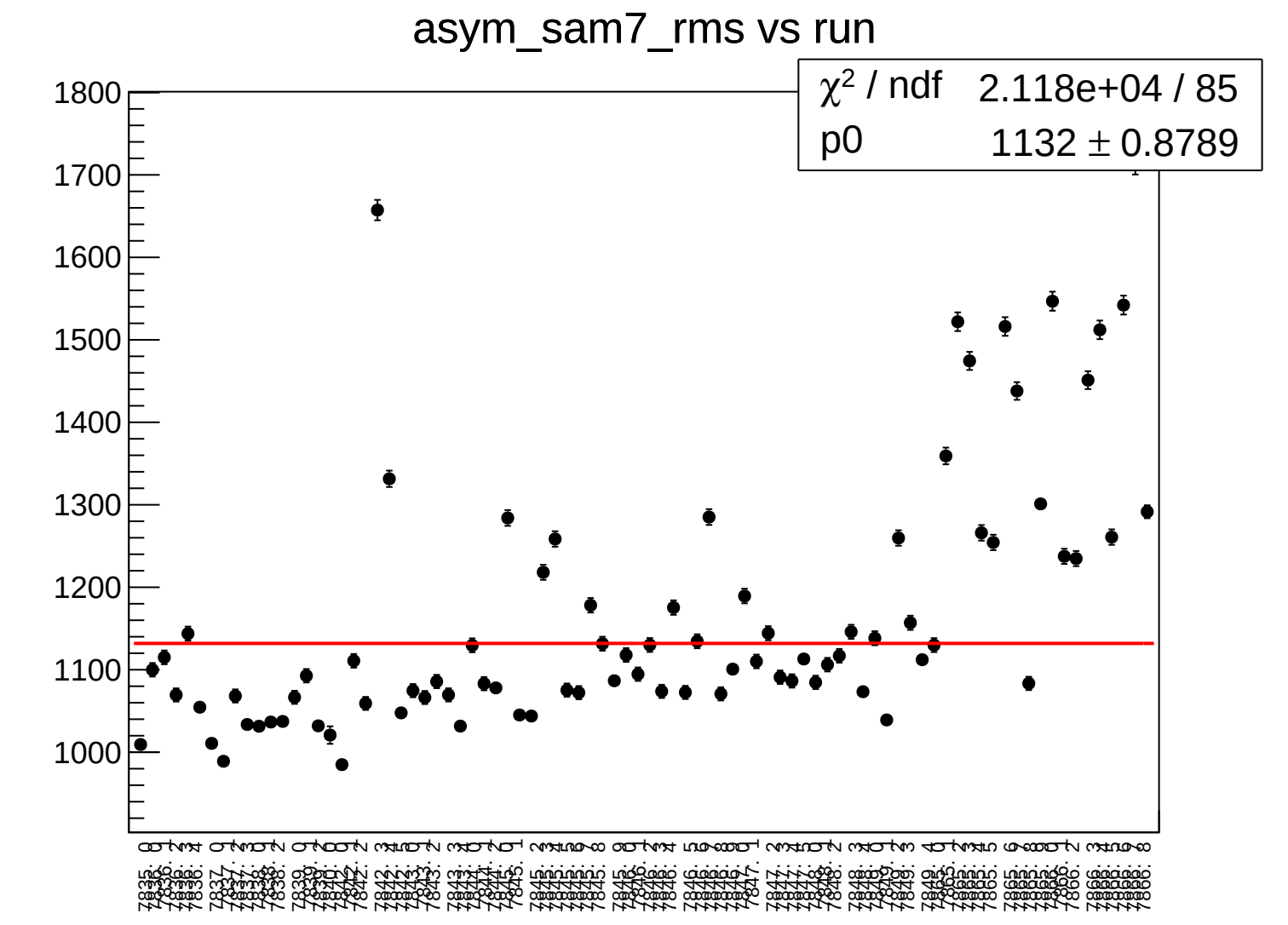

pull1D
Entries 86
Mean −0.01503
Std Dev 0.9892
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

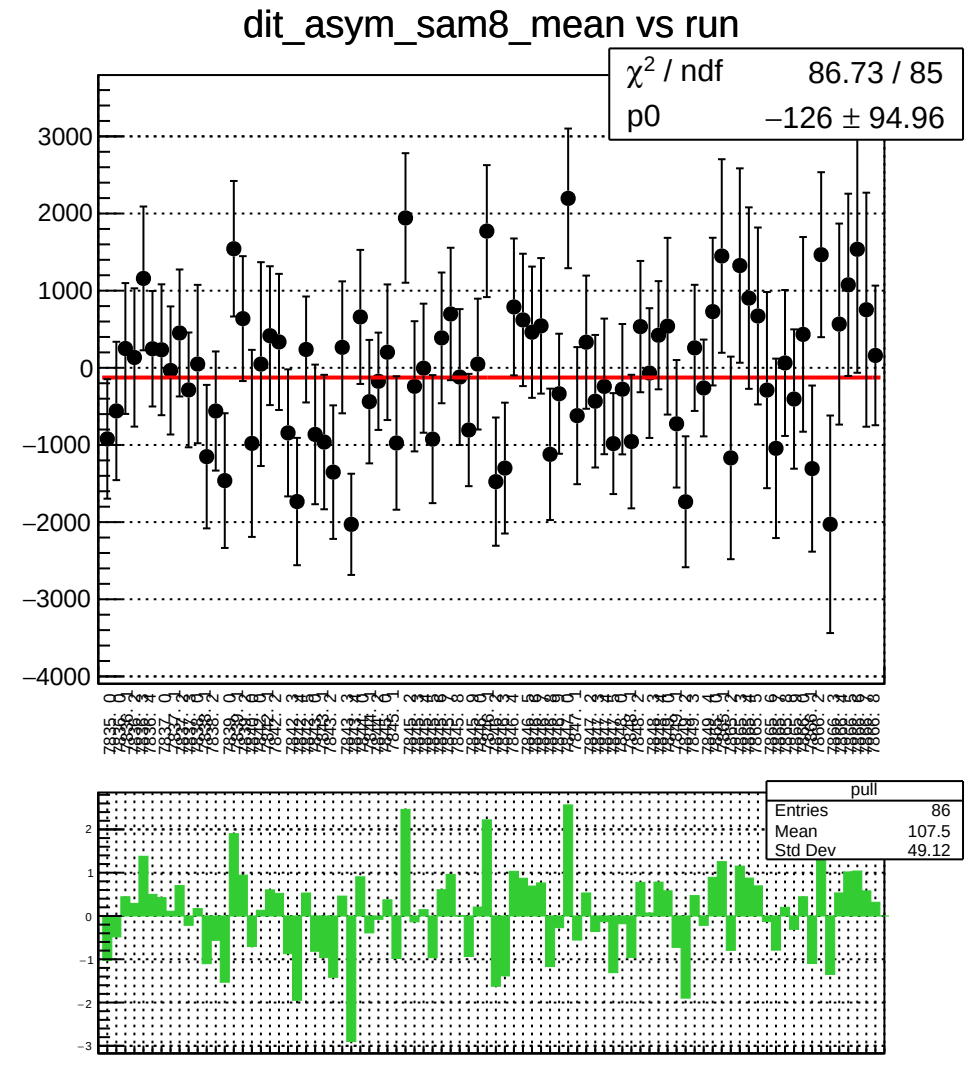

asym_sam7_correction_rms vs run
χ^2 / ndf 2.483e+04 / 85
p0 1140 ± 0.8862
1800
1700
1600
1500
1400
1300
1200
1100
1000
900

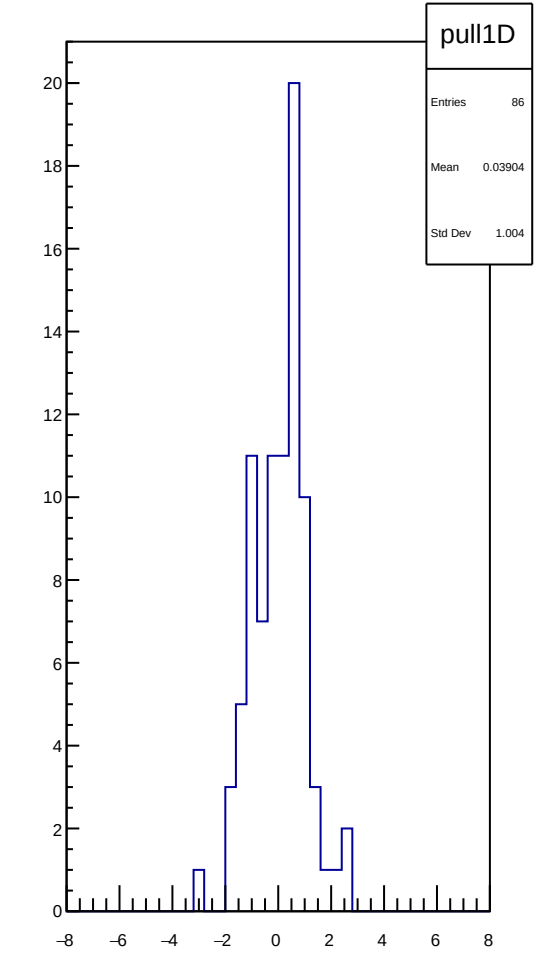

asym_sam7_mean vs run
χ² / ndf 83.12 / 85
p0 −86.07 ± 1243
40000
20000
0
−20000
−40000

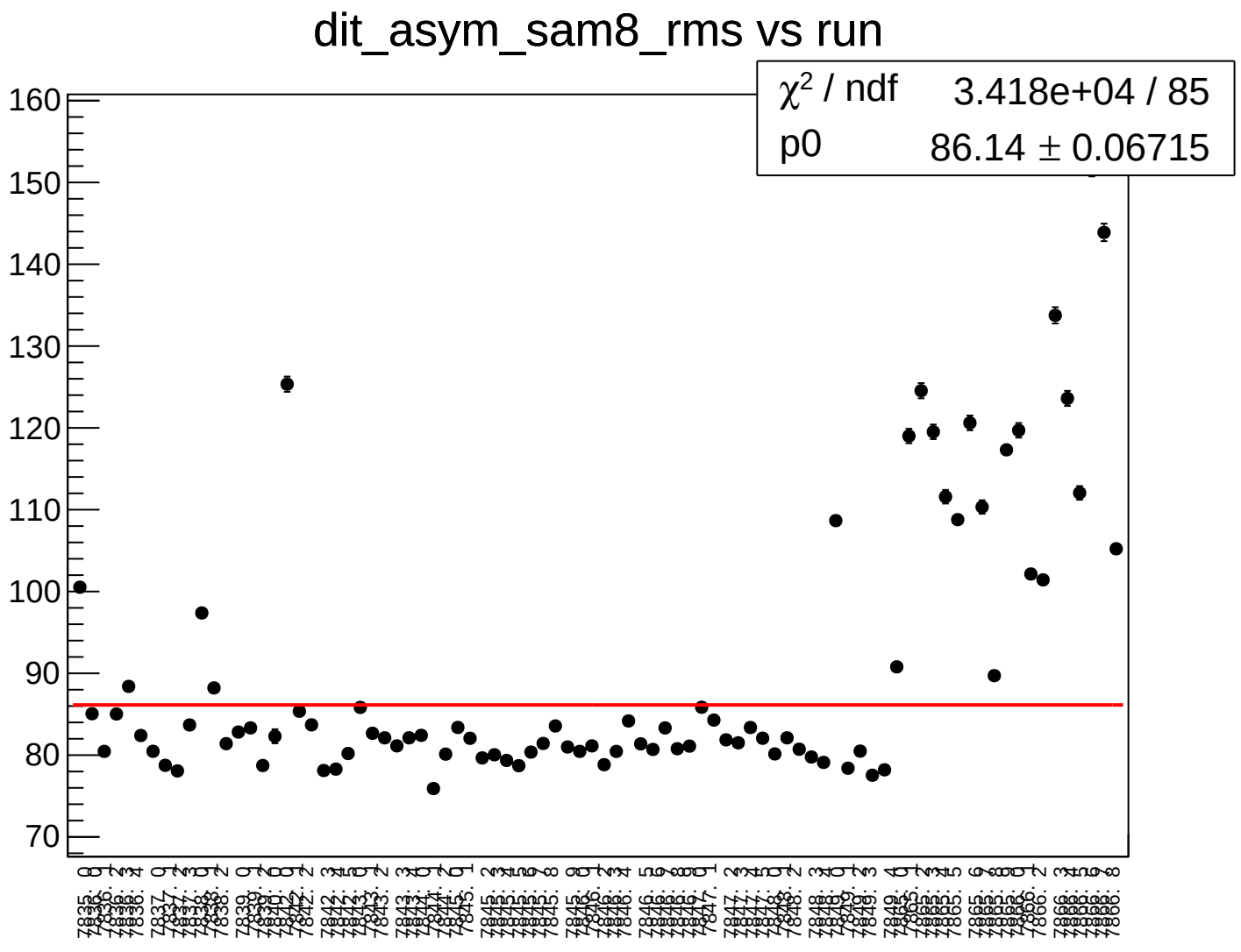

pull
Entries 86
Mean 163.6
Std Dev 130.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

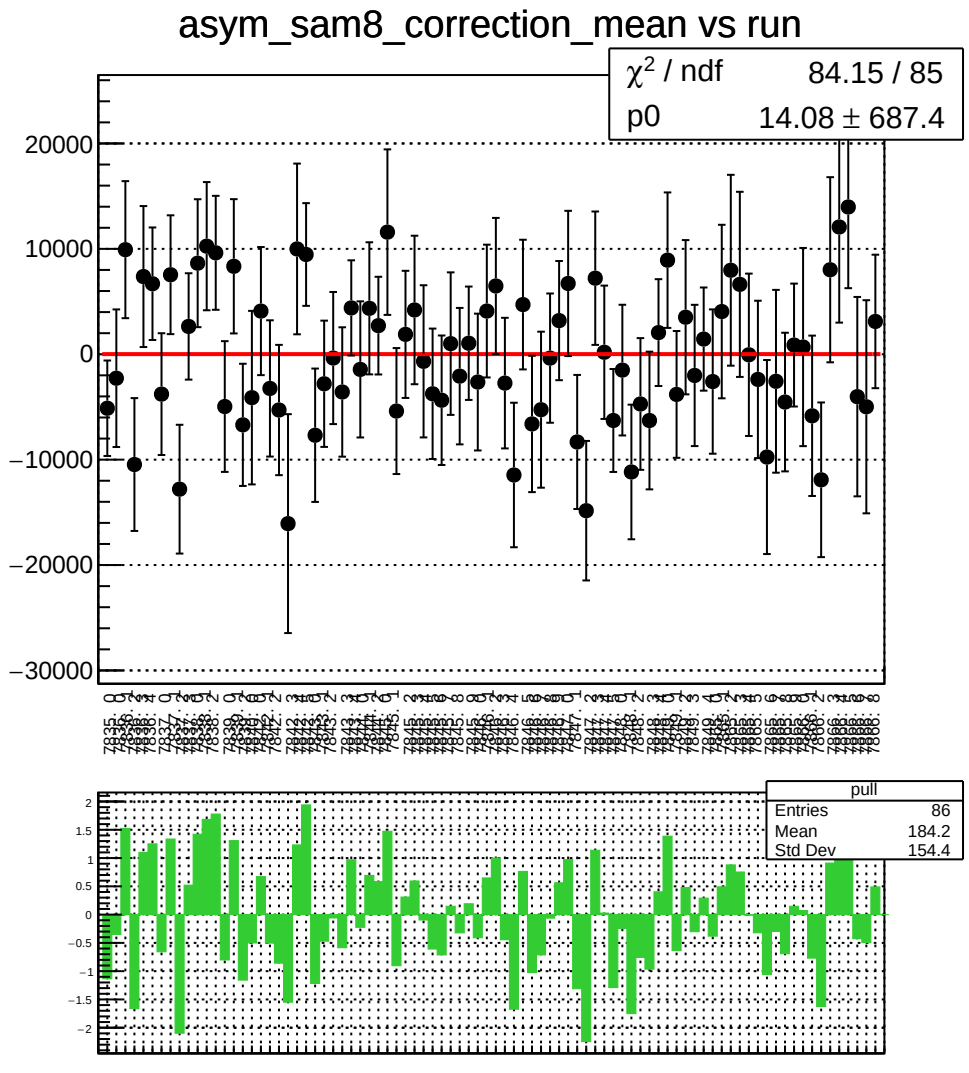

pull1D
Entries 86
Mean 0.0166
Std Dev 0.983
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

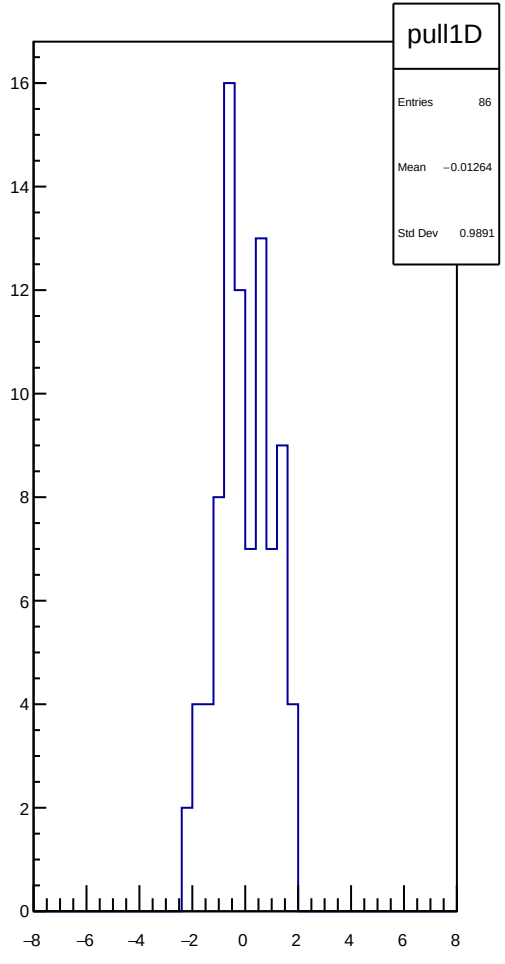

asym_sam7_rms vs run
χ² / ndf 2.118e+04 / 85
p0 1132 ± 0.8789
1800
1700
1600
1500
1400
1300
1200
1100
1000

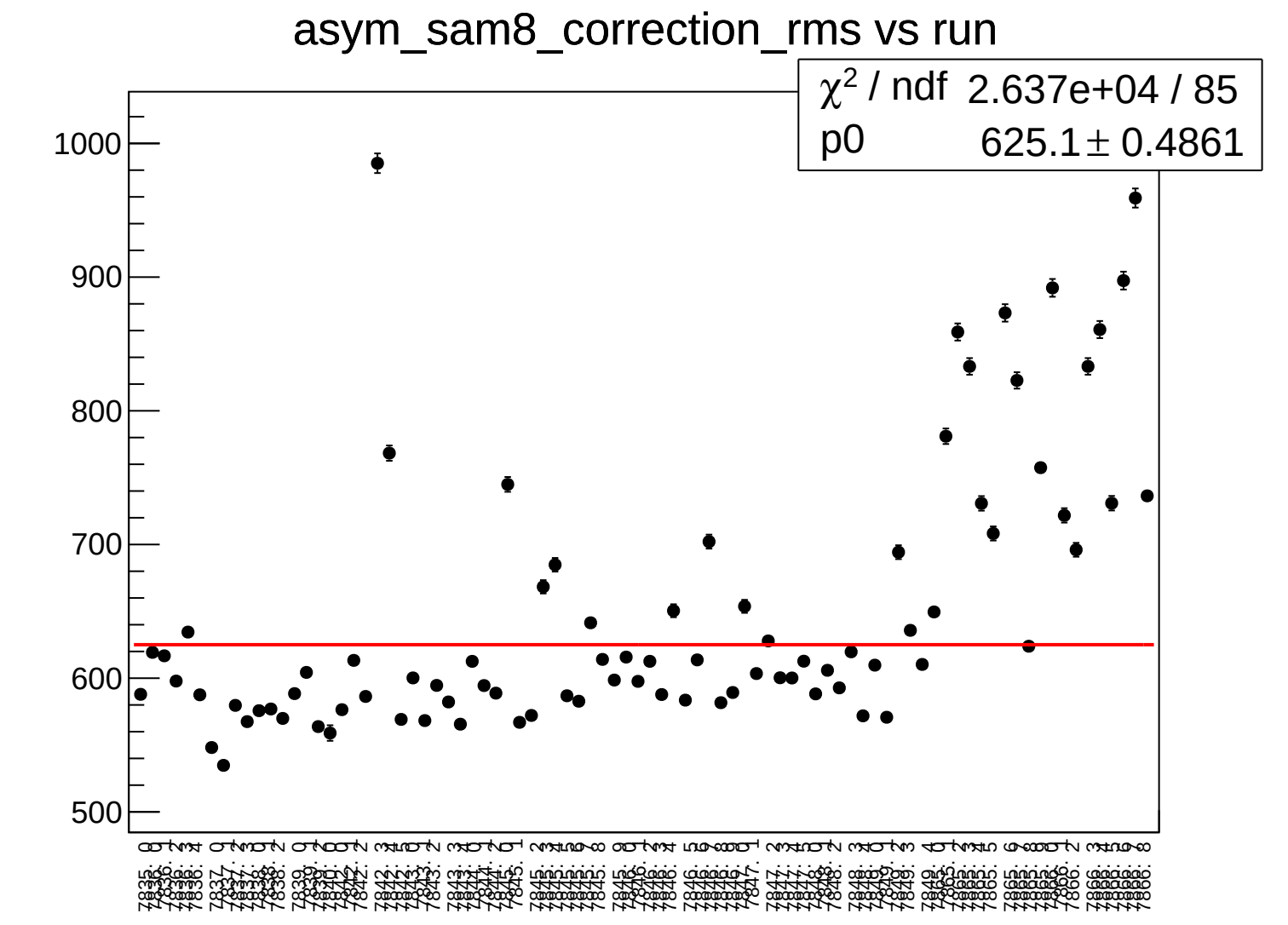

dit_asym_sam8_mean vs run
χ² / ndf 86.73 / 85
p0 −126 ± 94.96
pull
Entries 86
Mean 107.5
Std Dev 49.12

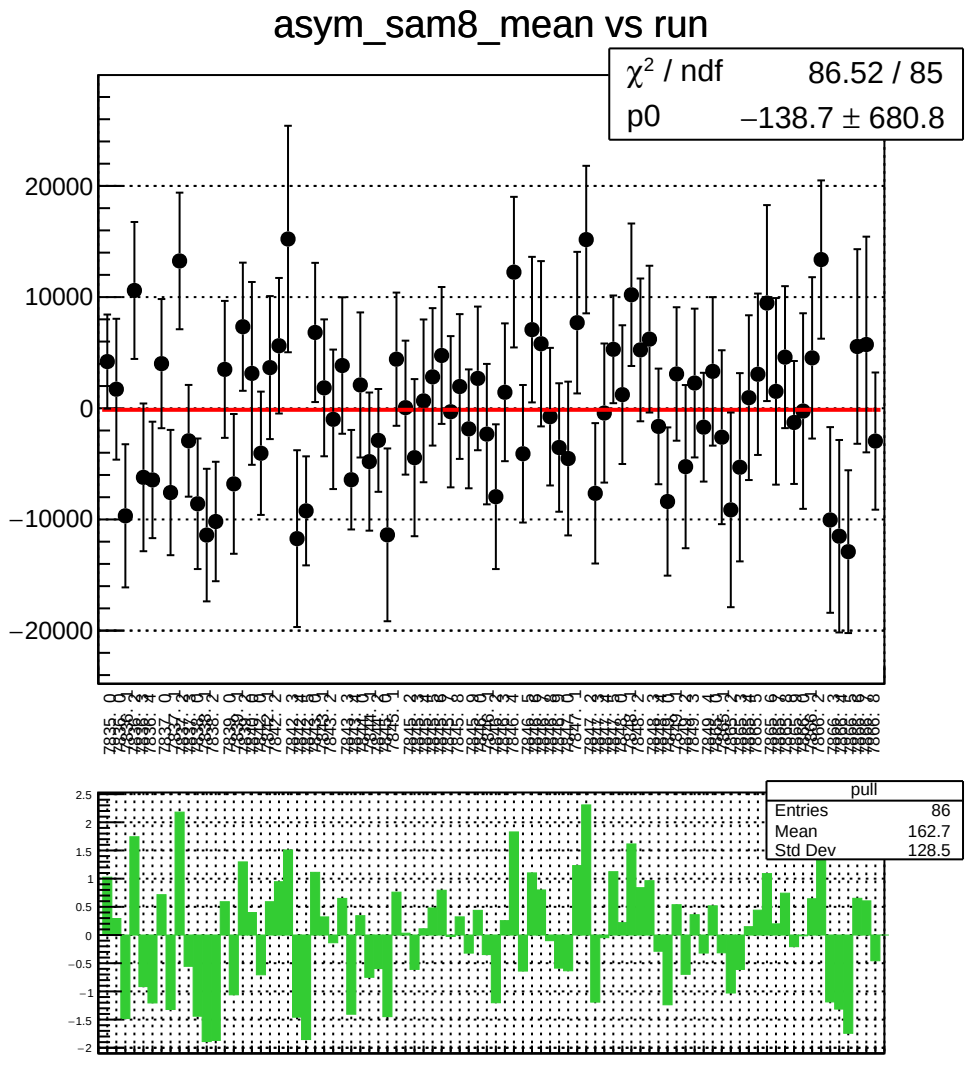

pull1D
Entries 86
Mean 0.03904
Std Dev 1.004

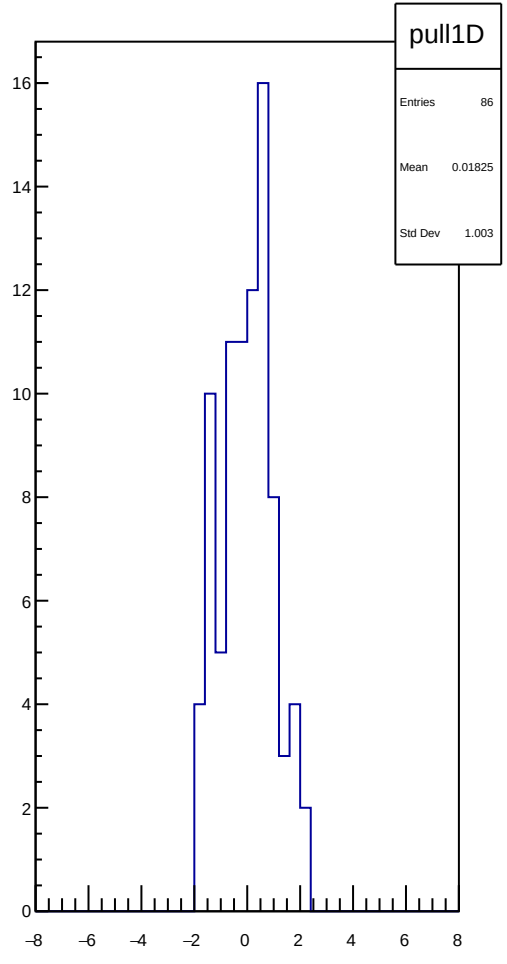

dit_asym_sam8_rms vs run
χ² / ndf 3.418e+04 / 85
p0 86.14 ± 0.06715
160
150
140
130
120
110
100
90
80
70

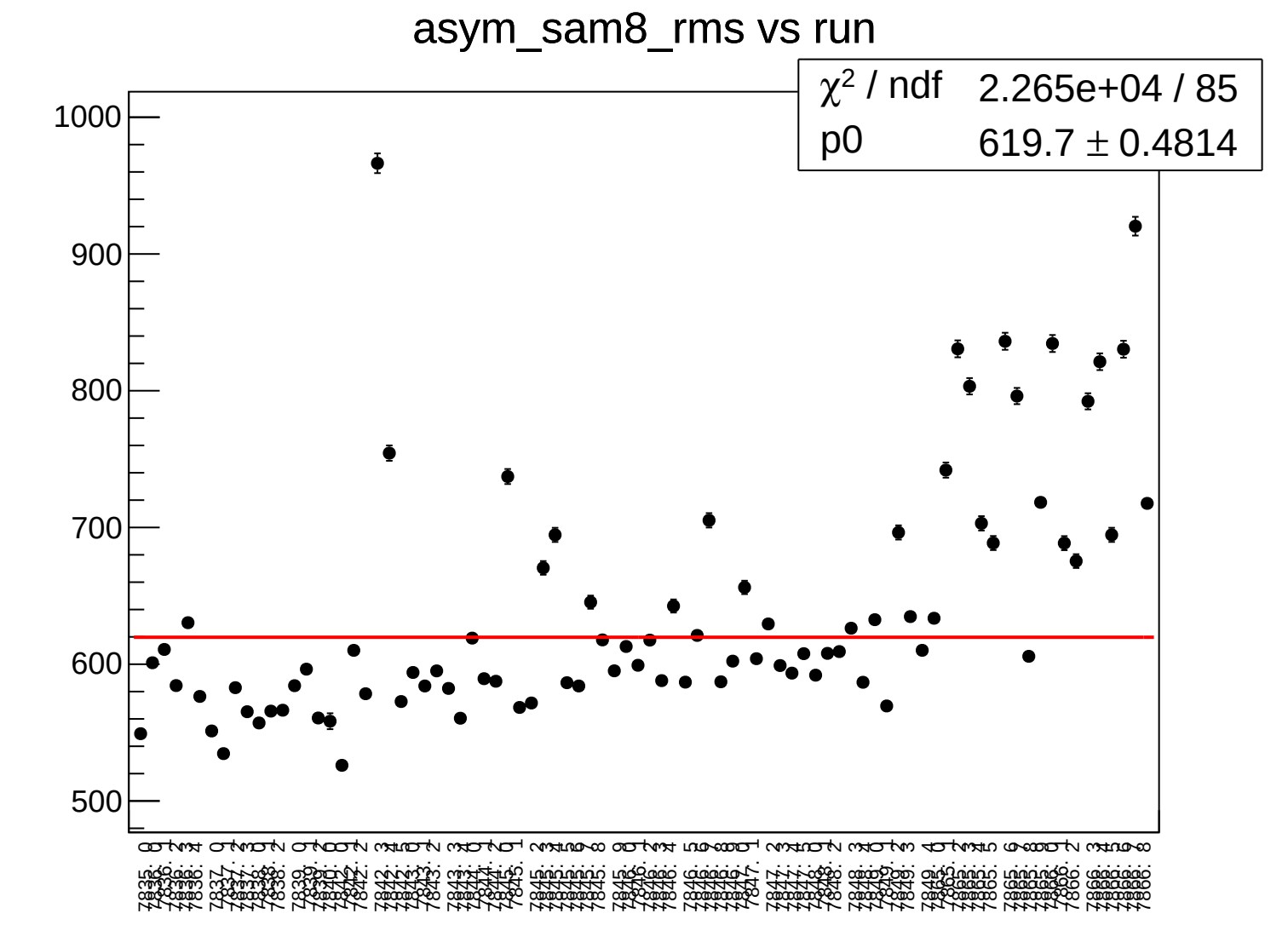

asym_sam8_correction_mean vs run
χ² / ndf 84.15 / 85
p0 14.08 ± 687.4
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 184.2
Std Dev 154.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

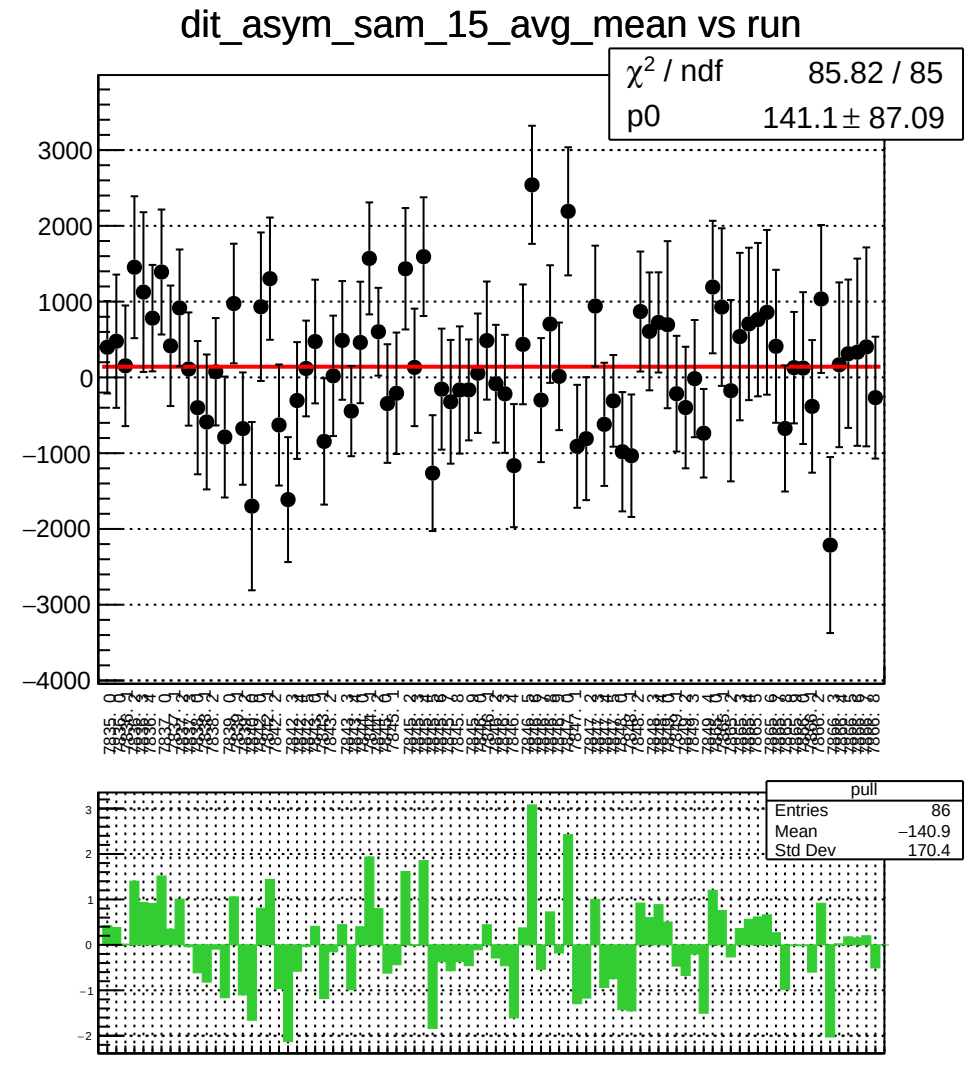

pull1D
Entries 86
Mean −0.01264
Std Dev 0.9891
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

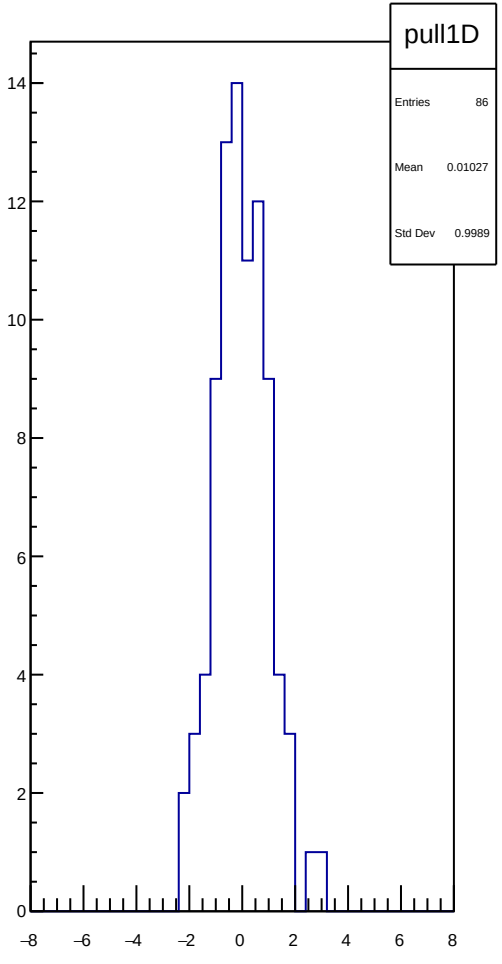

asym_sam8_correction_rms vs run
χ² / ndf 2.637e+04 / 85
p0 625.1 ± 0.4861
1000
900
800
700
600
500

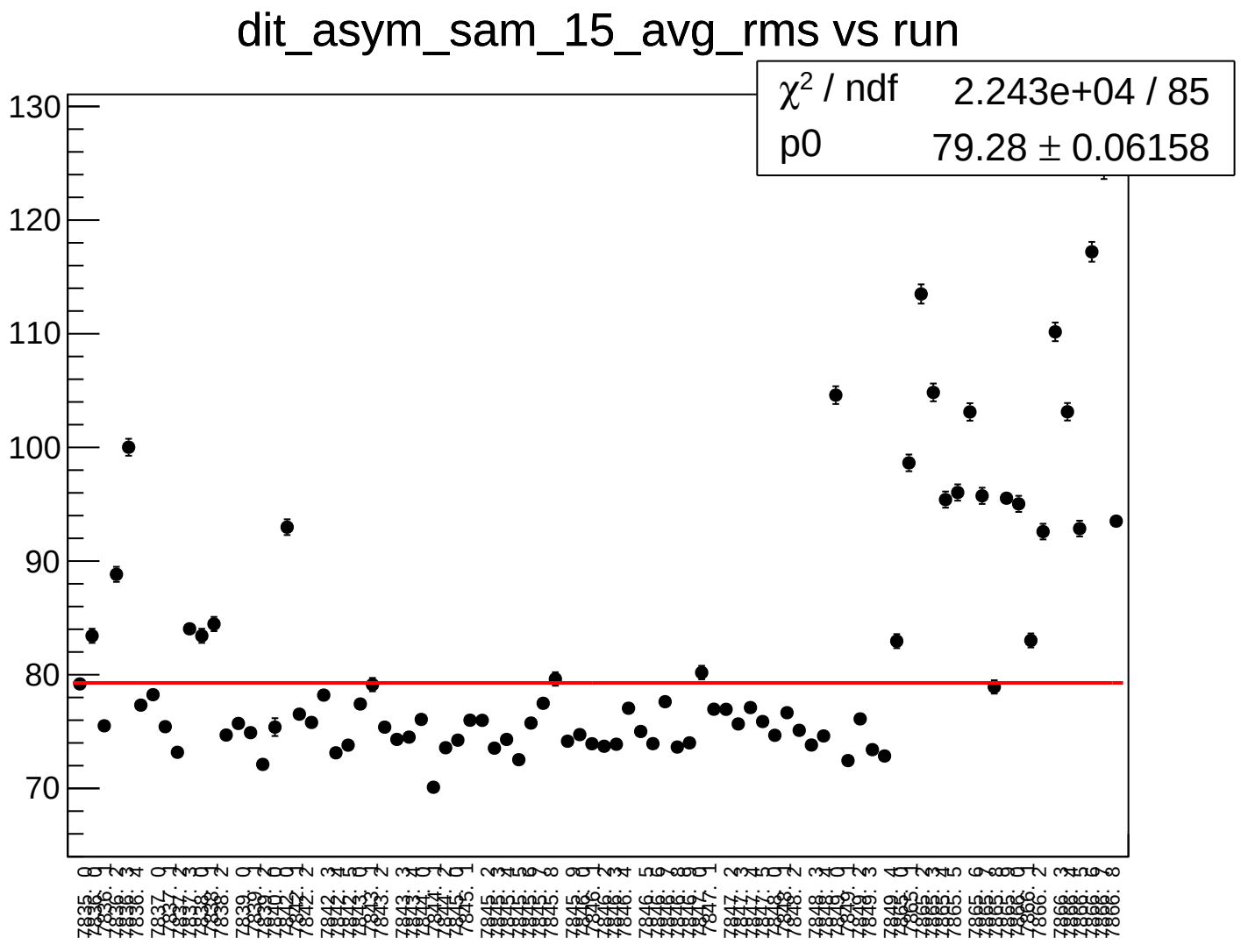

asym_sam8_mean vs run
χ² / ndf 86.52 / 85
p0 −138.7 ± 680.8
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 162.7
Std Dev 128.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

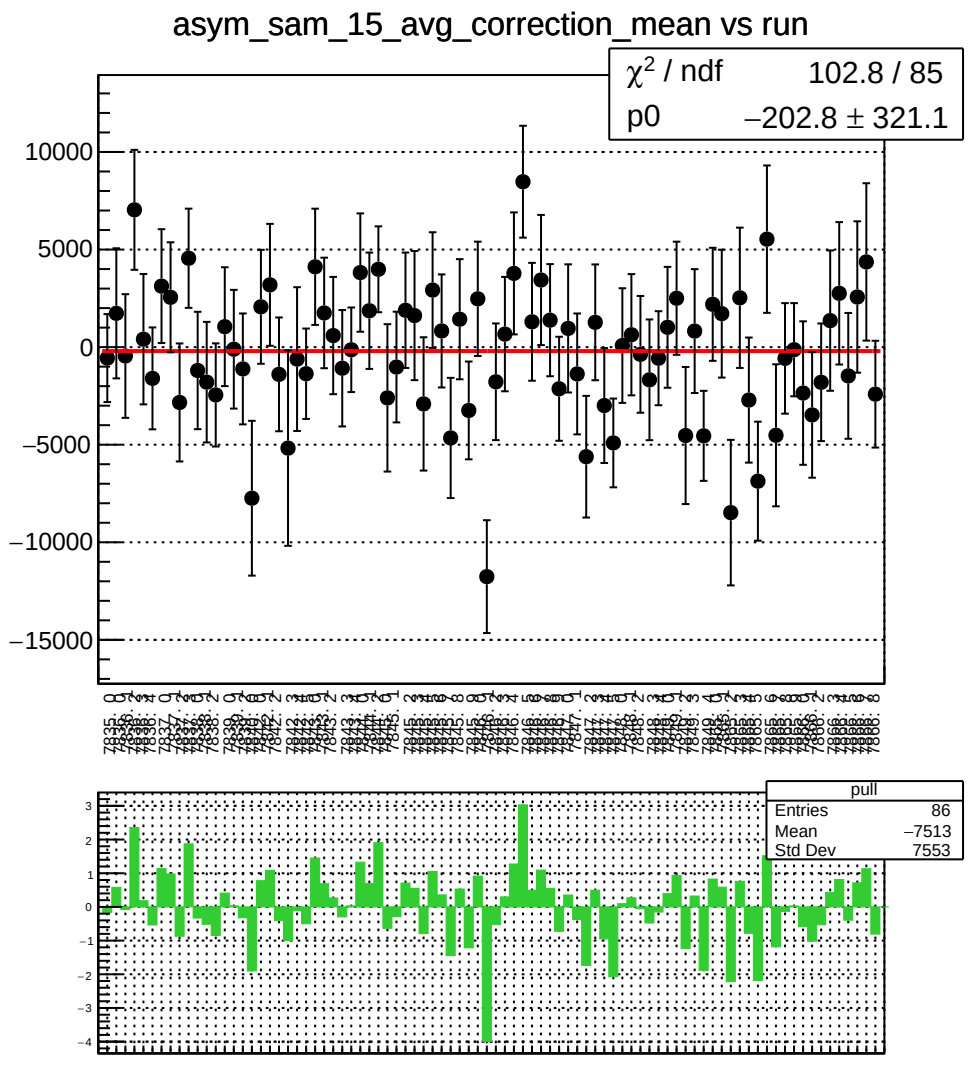

pull1D
Entries 86
Mean 0.01825
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

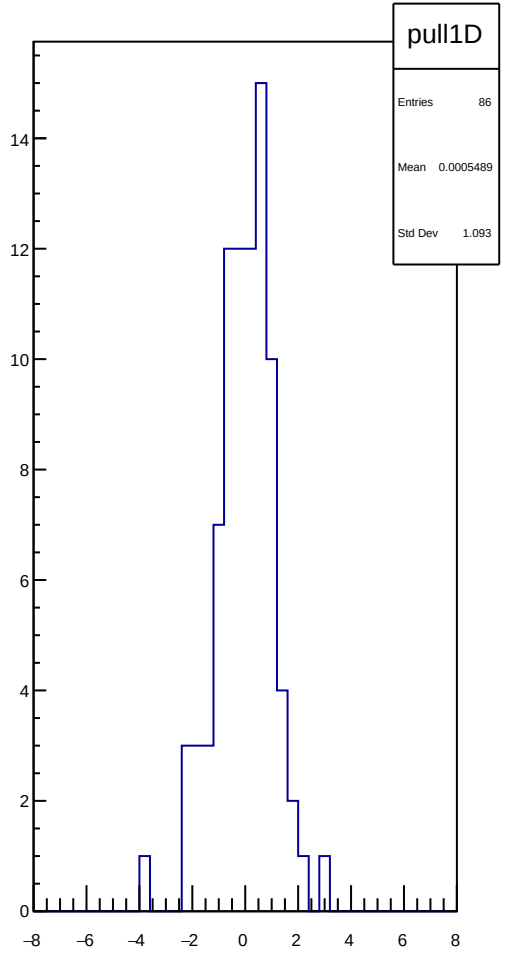

asym_sam8_rms vs run
χ² / ndf 2.265e+04 / 85
p0 619.7 ± 0.4814
1000
900
800
700
600
500

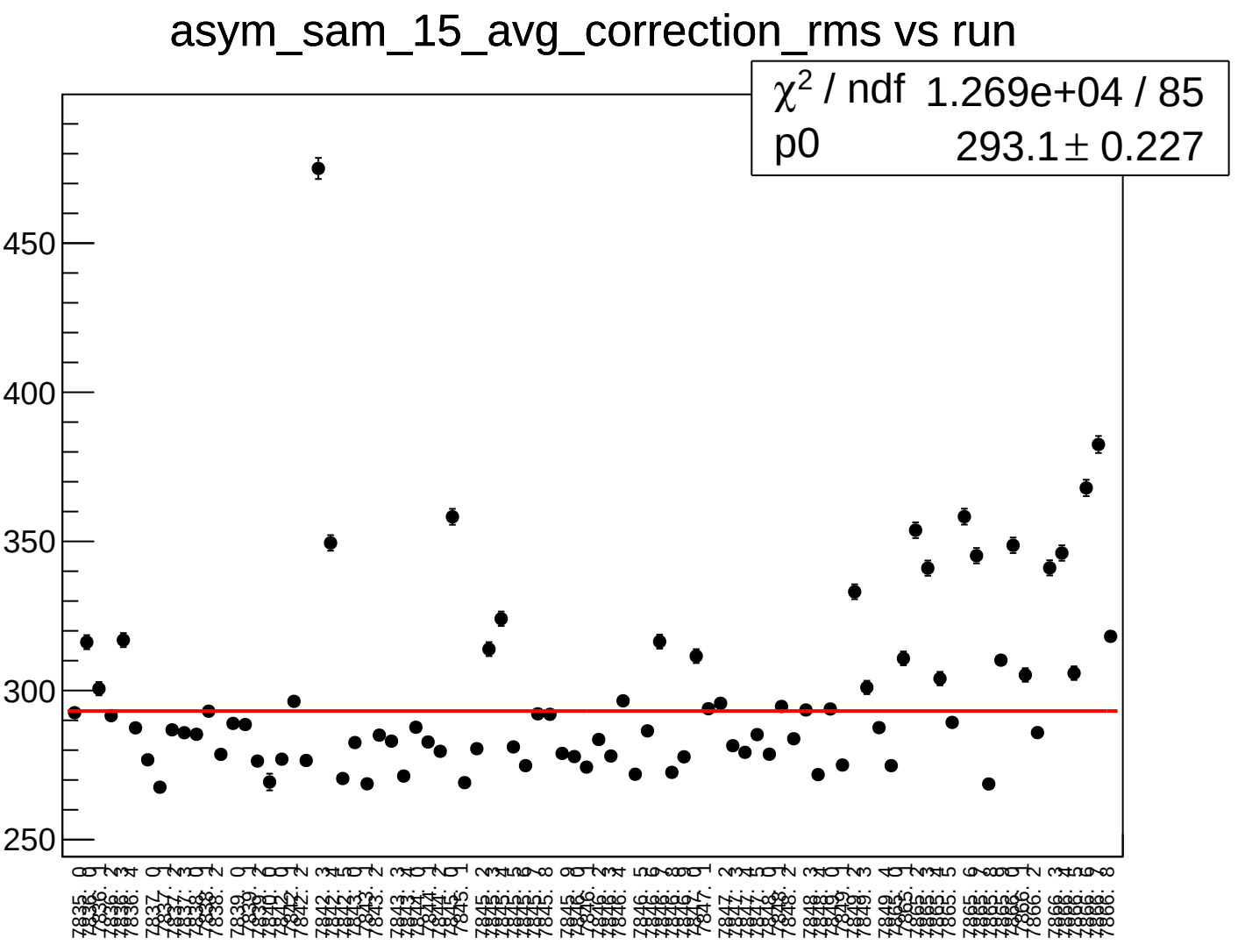

dit_asym_sam_15_avg_mean vs run
χ² / ndf 85.82 / 85
p0 141.1 ± 87.09
pull
Entries 86
Mean −140.9
Std Dev 170.4

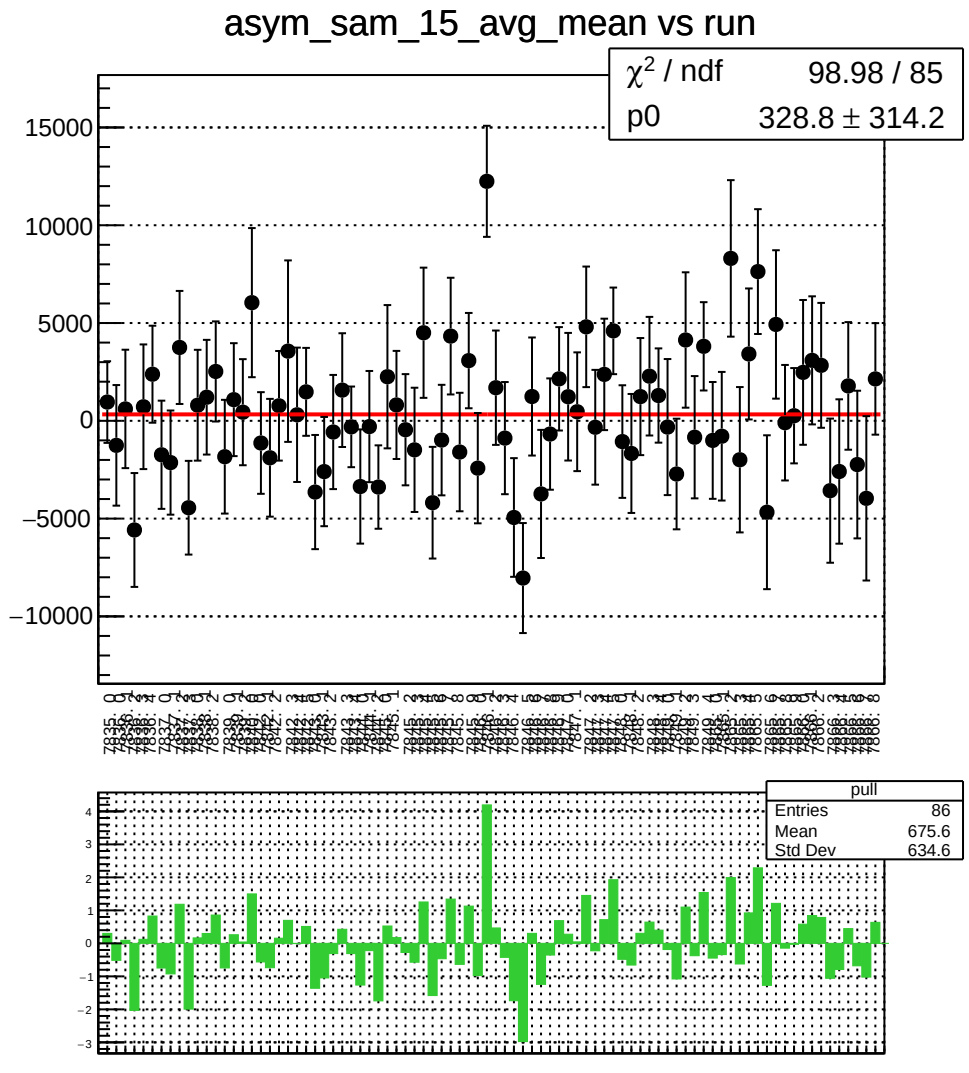

pull1D
Entries 86
Mean 0.01027
Std Dev 0.9989

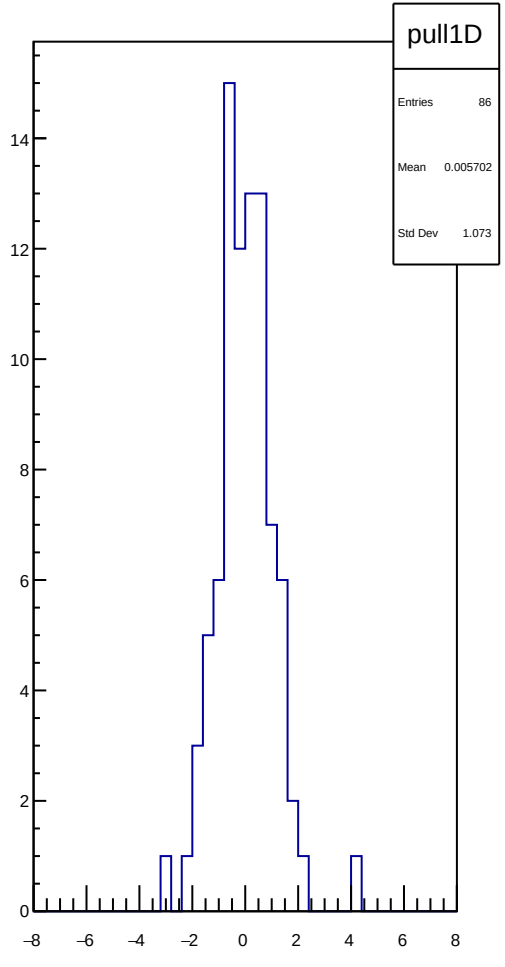

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 2.243e+04 / 85
p0 79.28 ± 0.06158
130
120
110
100
90
80
70

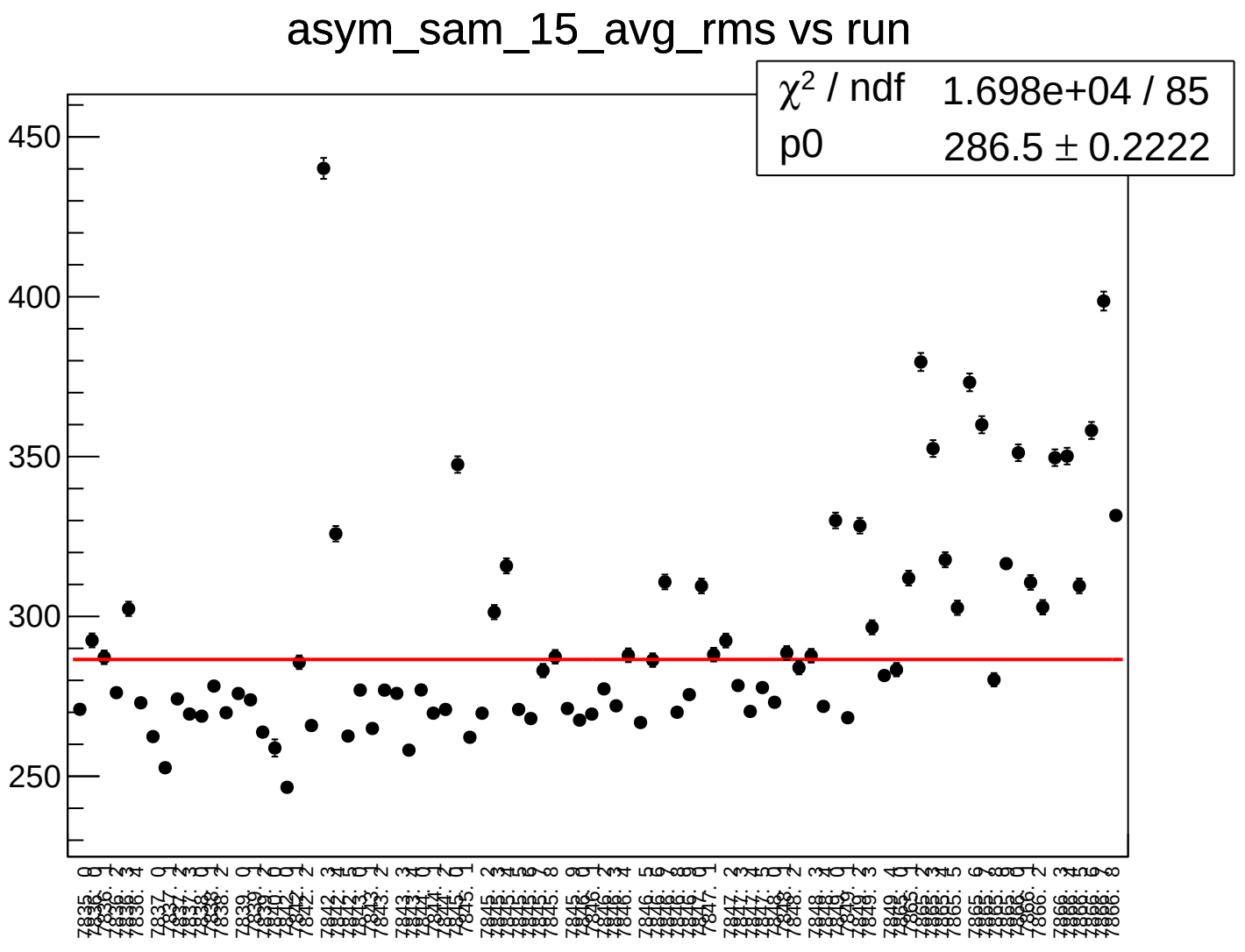

asym_sam_15_avg_correction_mean vs run
χ² / ndf 102.8 / 85
p0 −202.8 ± 321.1
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −7513
Std Dev 7553
3
2
1
0
−1
−2
−3
−4

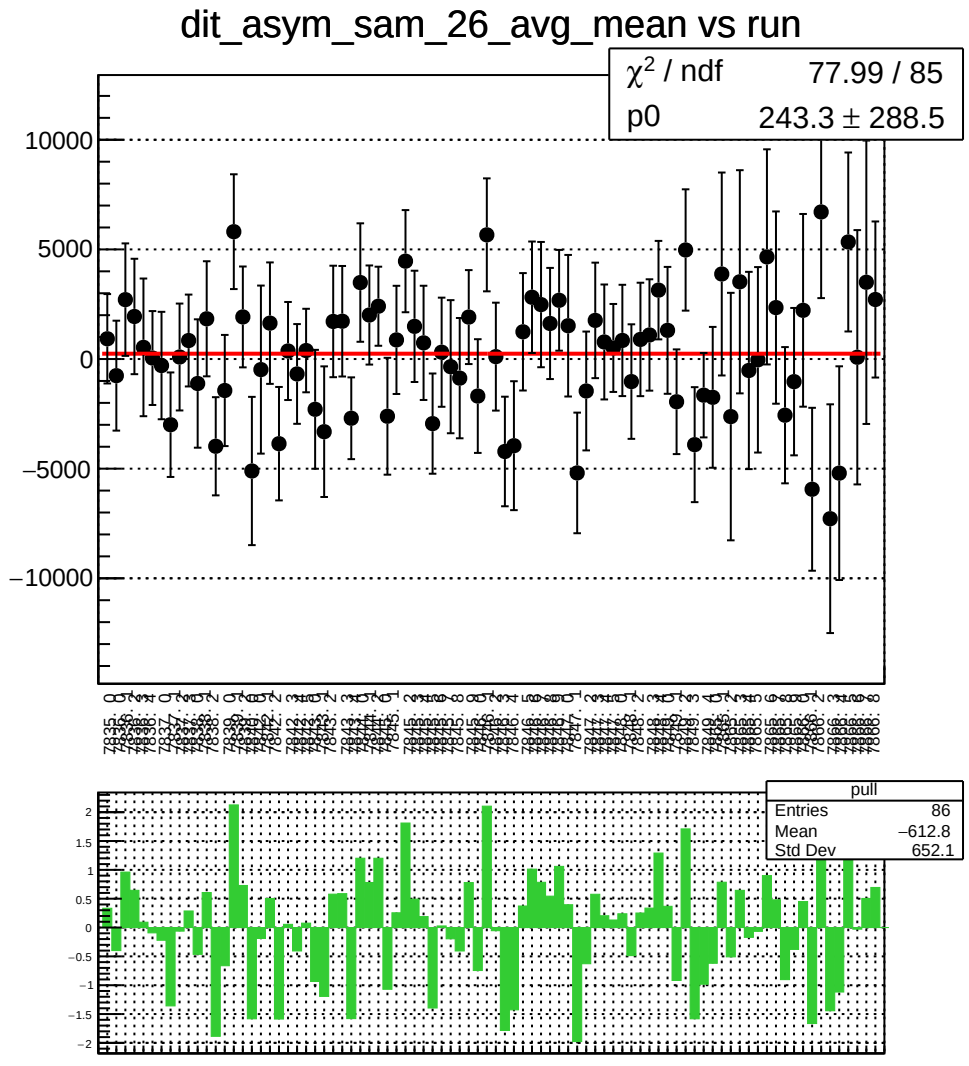

pull1D
Entries 86
Mean 0.0005489
Std Dev 1.093
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

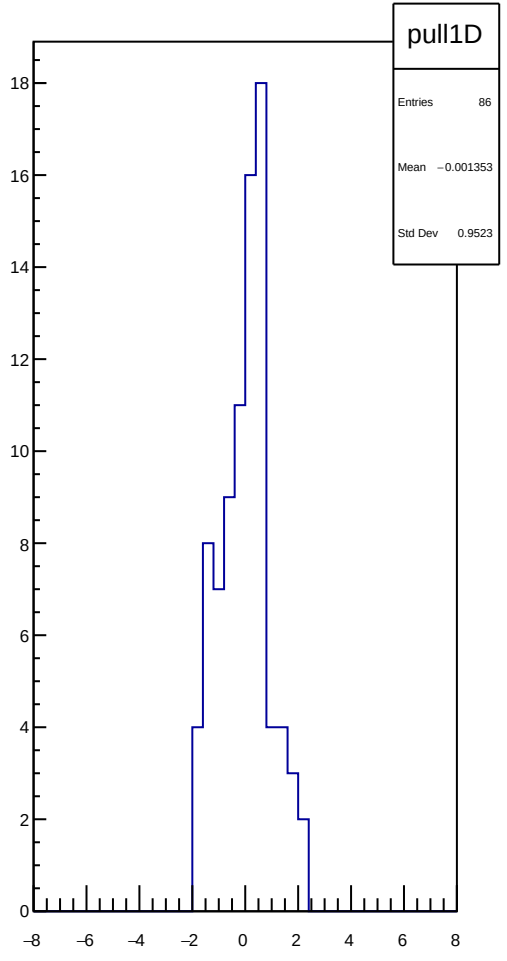

asym_sam_15_avg_correction_rms vs run
χ^2 / ndf 1.269e+04 / 85
p0 293.1 ± 0.227
450
400
350
300
250

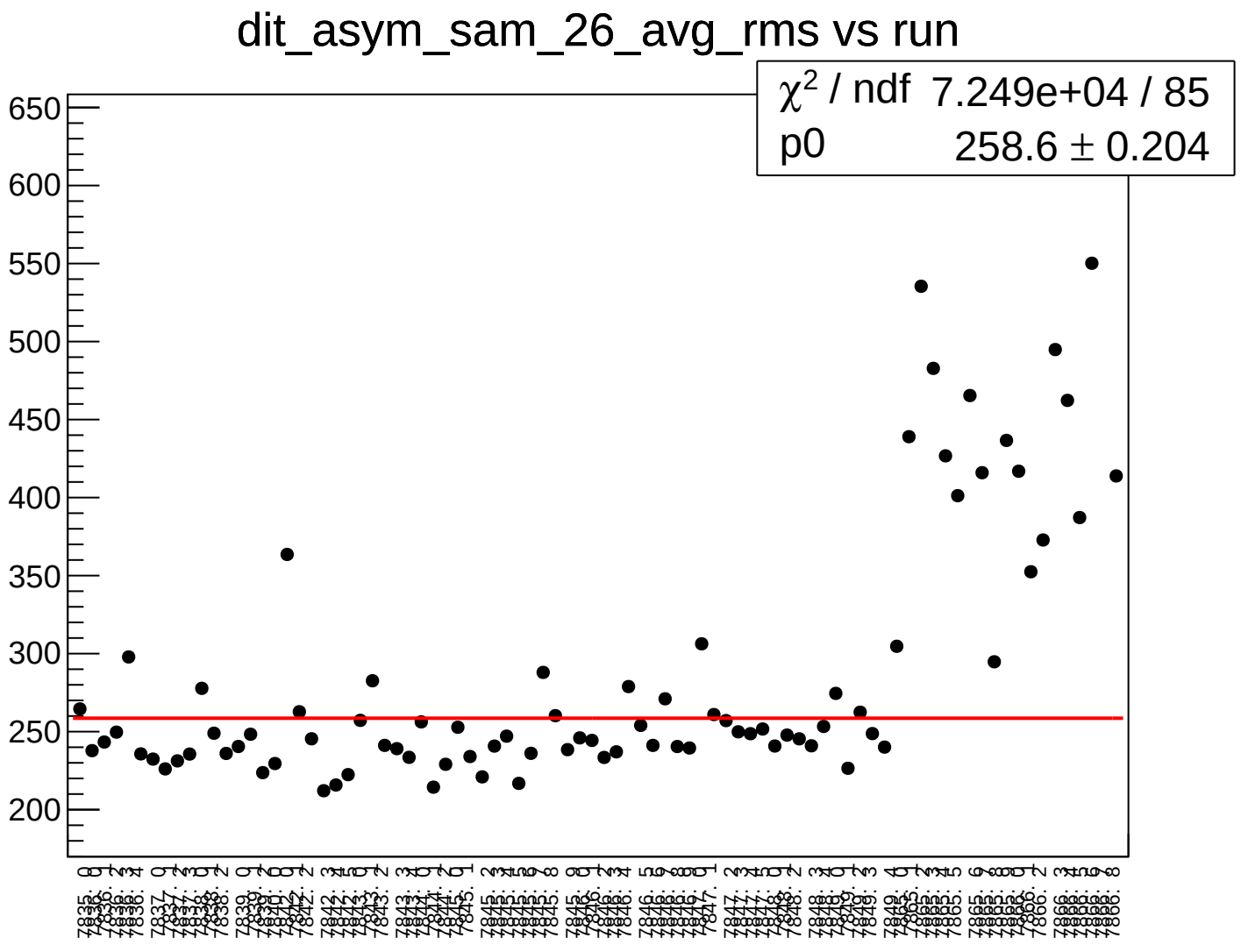

asym_sam_15_avg_mean vs run
χ² / ndf 98.98 / 85
p0 328.8 ± 314.2
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 675.6
Std Dev 634.6
4
3
2
1
0
−1
−2
−3

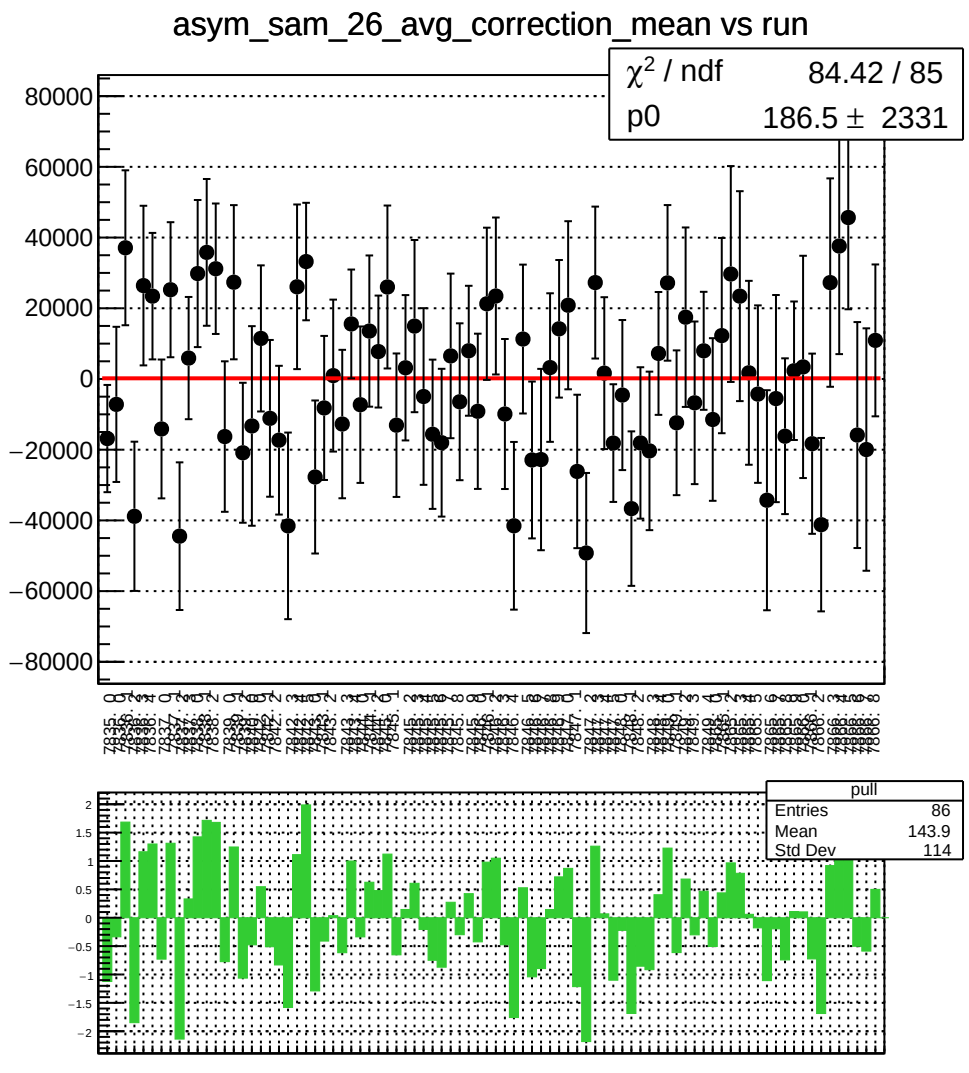

pull1D
Entries 86
Mean 0.005702
Std Dev 1.073
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

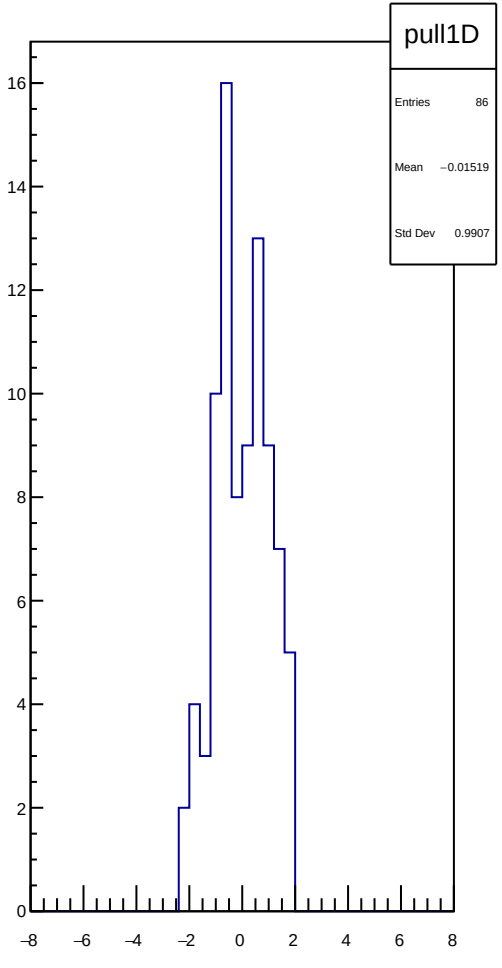

asym_sam_15_avg_rms vs run
χ^2 / ndf 1.698e+04 / 85
p0 286.5 ± 0.2222
450
400
350
300
250

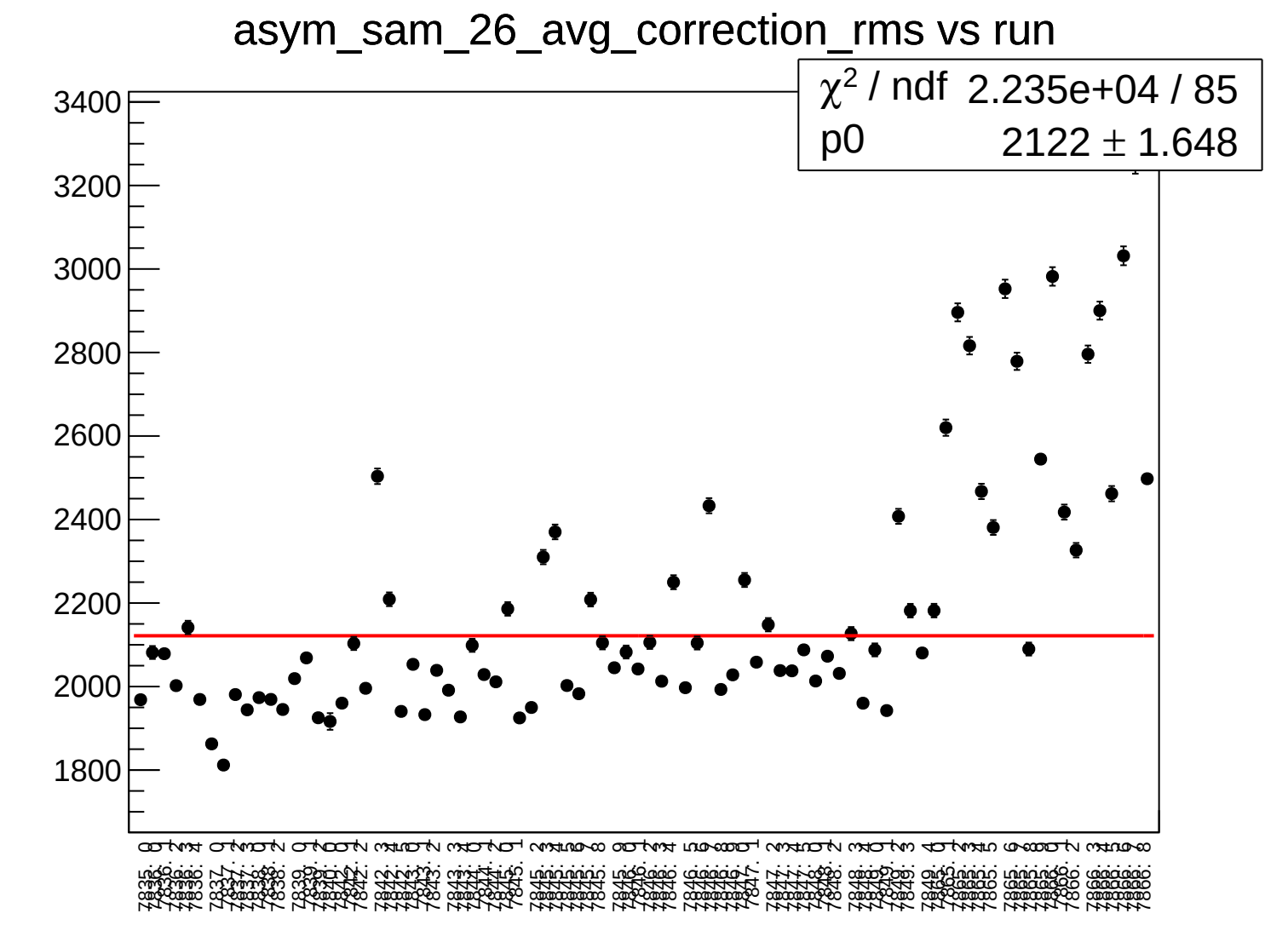

dit_asym_sam_26_avg_mean vs run
χ² / ndf 77.99 / 85
p0 243.3 ± 288.5
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −612.8
Std Dev 652.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

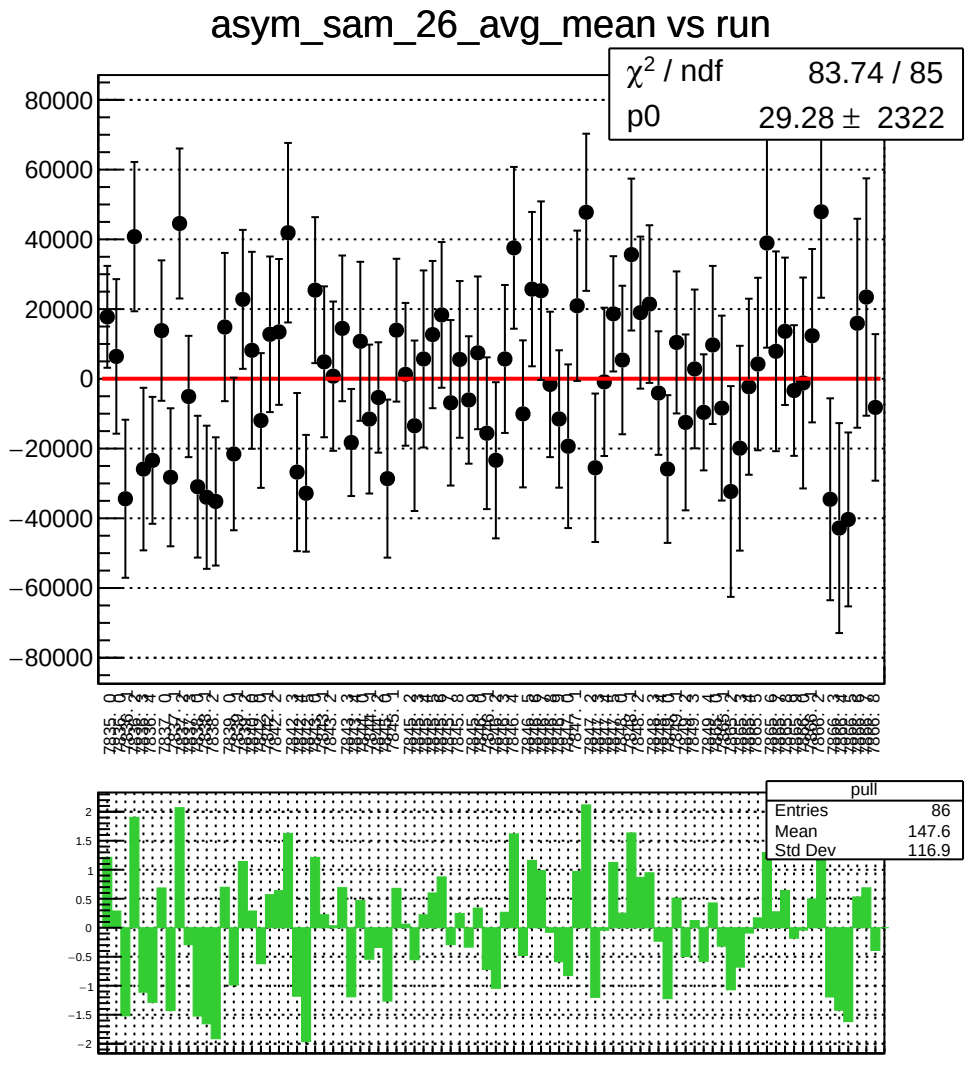

pull1D
Entries 86
Mean −0.001353
Std Dev 0.9523
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

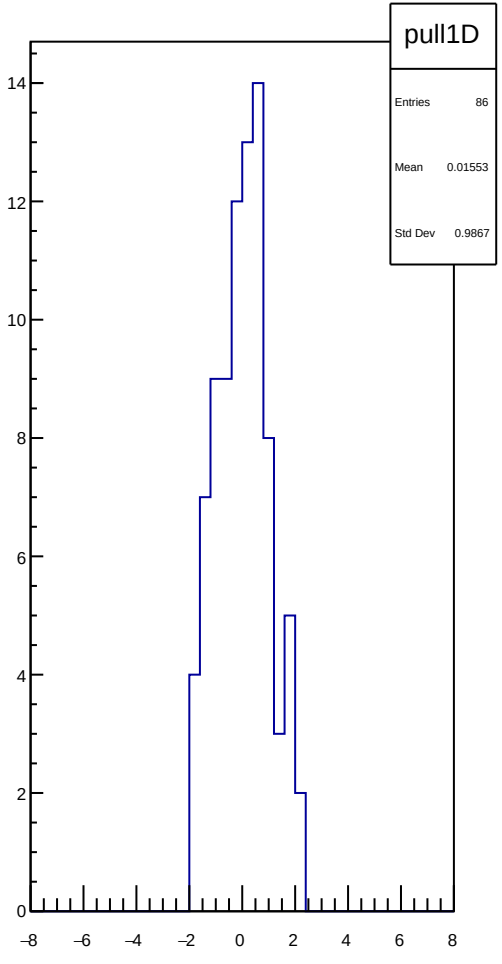

dit_asym_sam_26_avg_rms vs run
χ² / ndf 7.249e+04 / 85
p0 258.6 ± 0.204
650
600
550
500
450
400
350
300
250
200

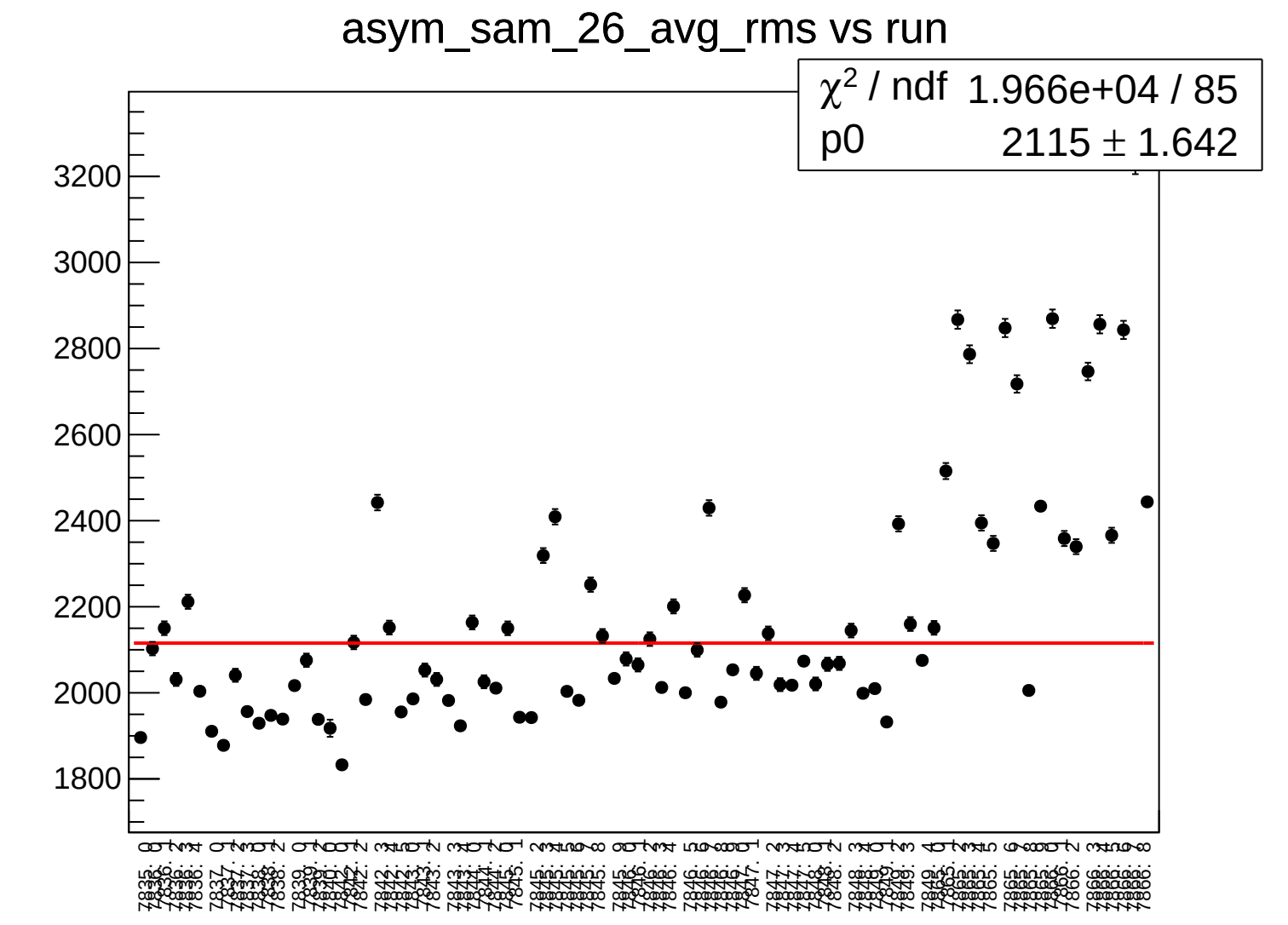

asym_sam_26_avg_correction_mean vs run
χ² / ndf 84.42 / 85
p0 186.5 ± 2331
pull
Entries 86
Mean 143.9
Std Dev 114

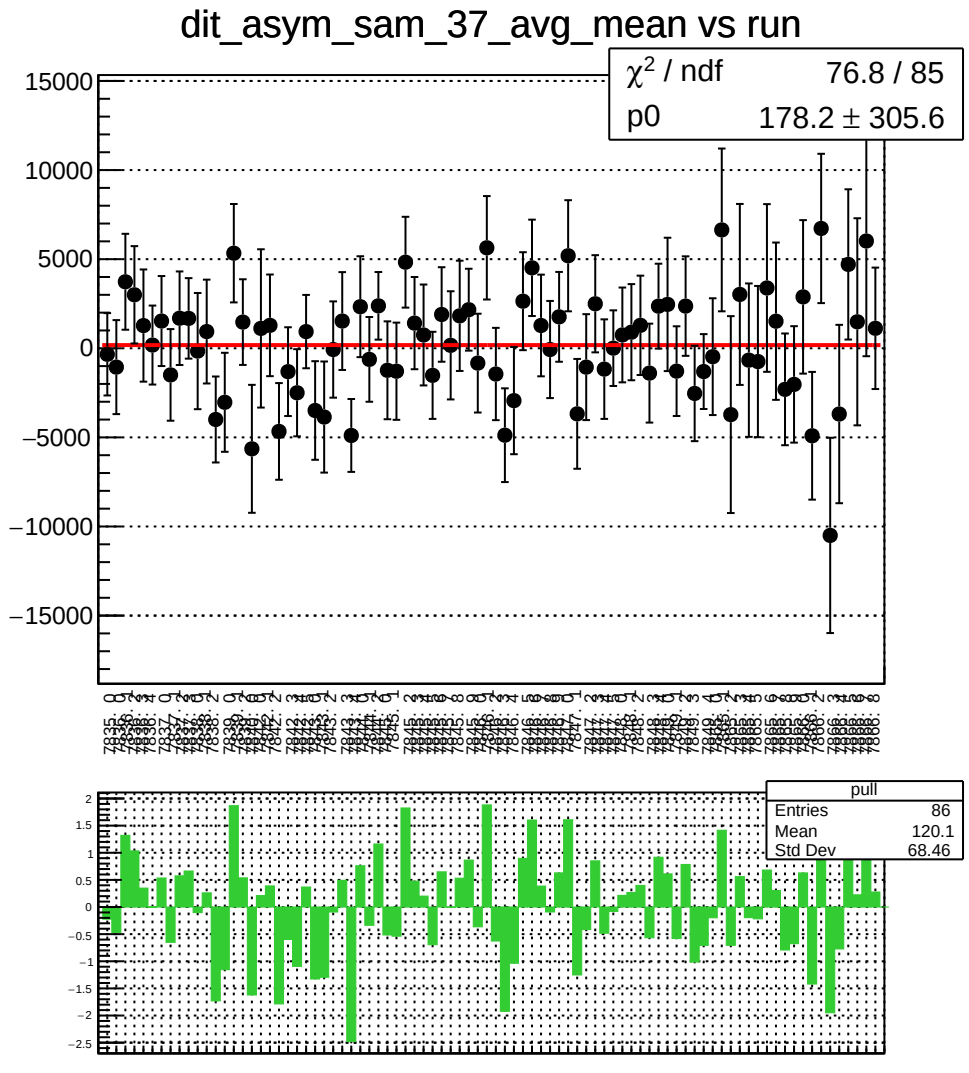

pull1D
Entries 86
Mean −0.01519
Std Dev 0.9907

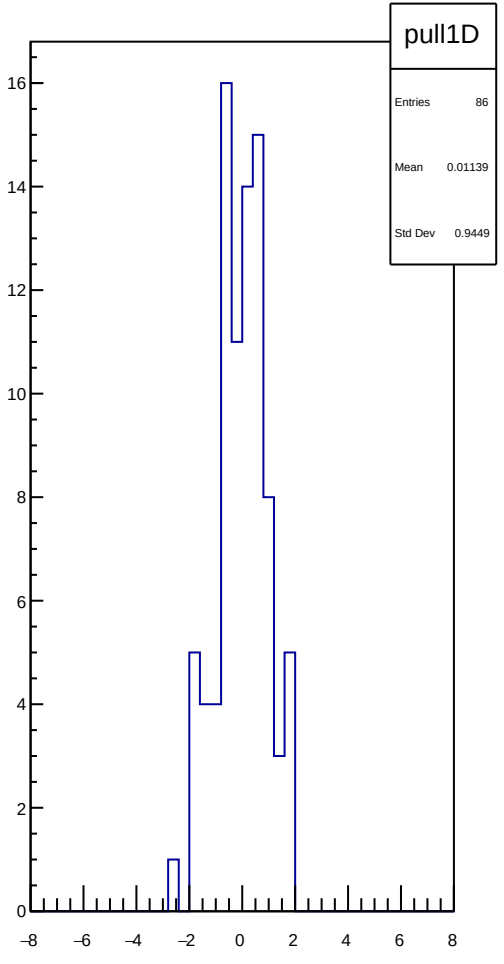

asym_sam_26_avg_correction_rms vs run
χ² / ndf 2.235e+04 / 85
p0 2122 ± 1.648
3400
3200
3000
2800
2600
2400
2200
2000
1800

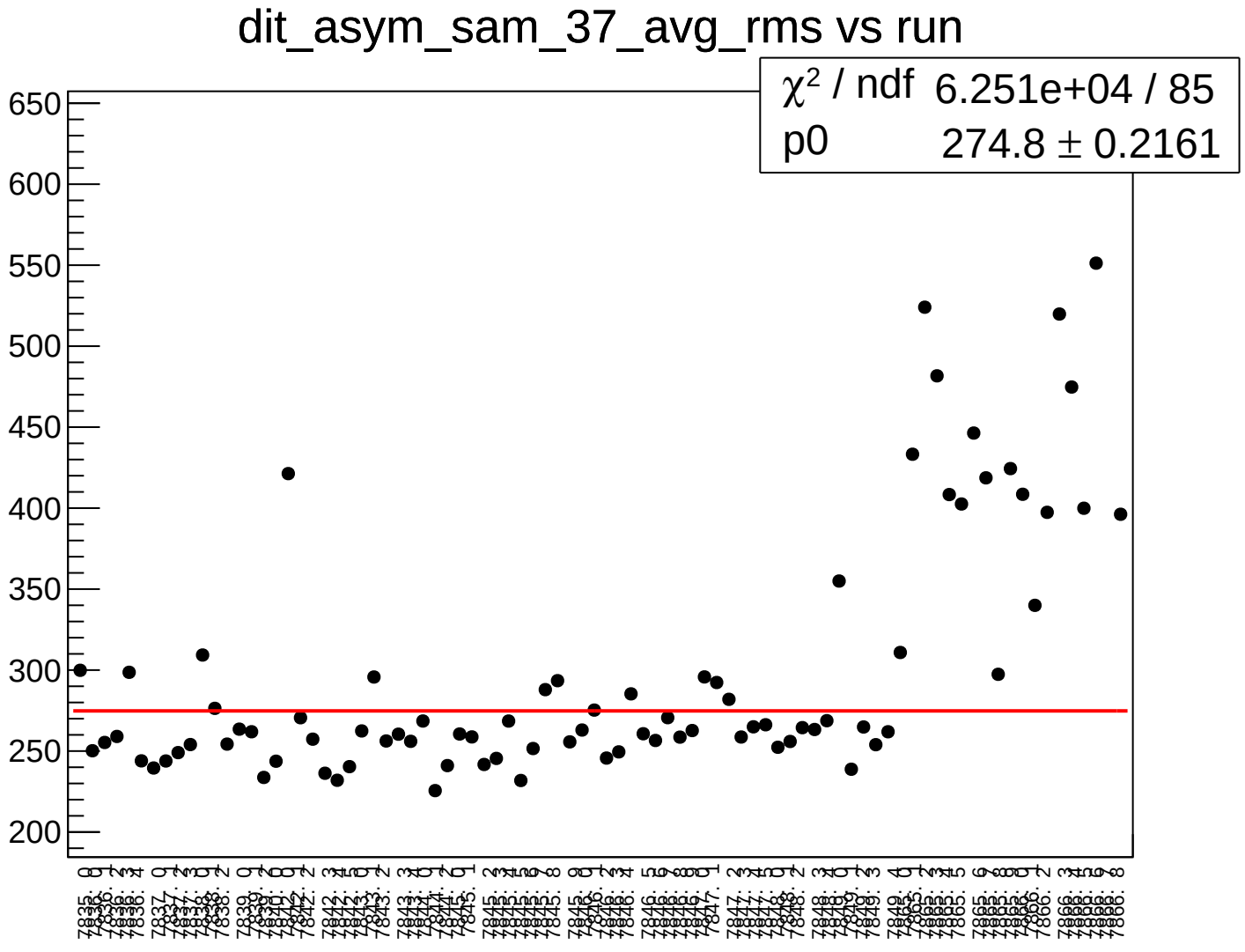

asym_sam_26_avg_mean vs run
χ² / ndf 83.74 / 85
p0 29.28 ± 2322
pull
Entries 86
Mean 147.6
Std Dev 116.9

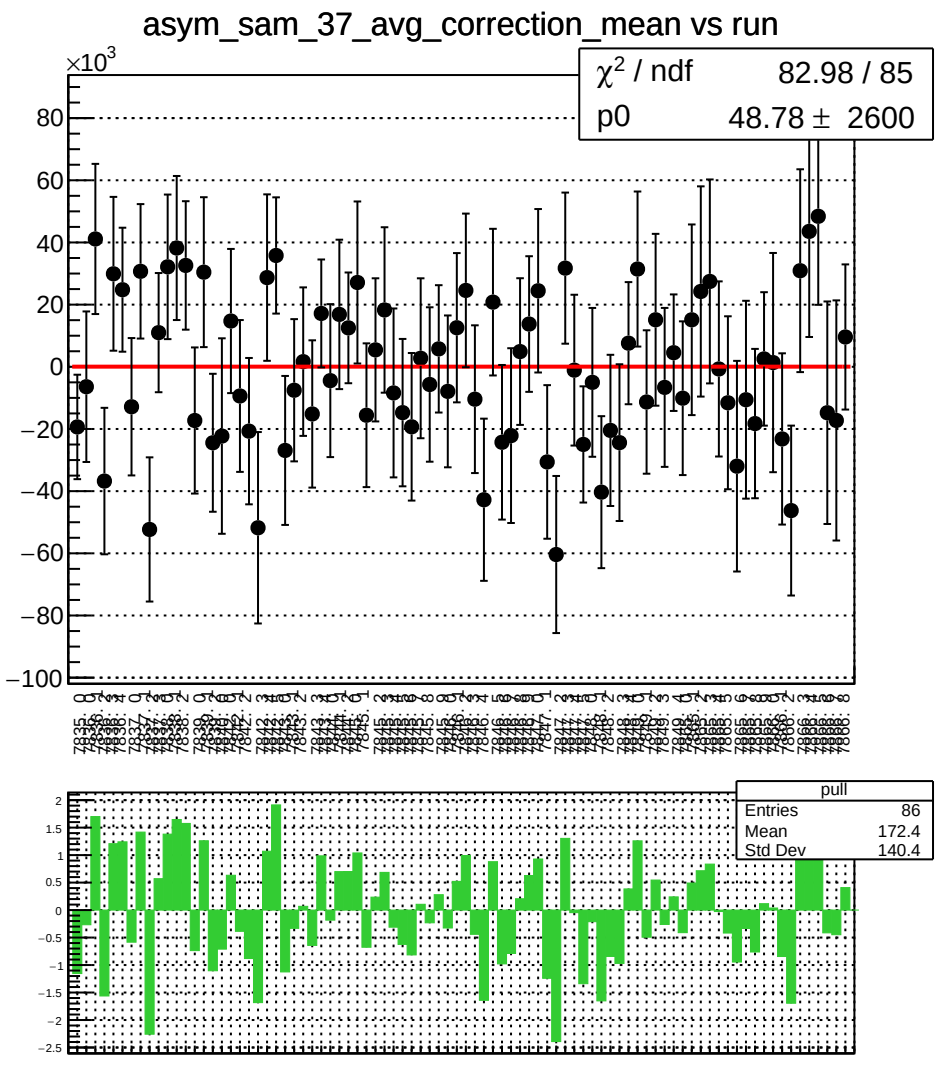

pull1D
Entries 86
Mean 0.01553
Std Dev 0.9867

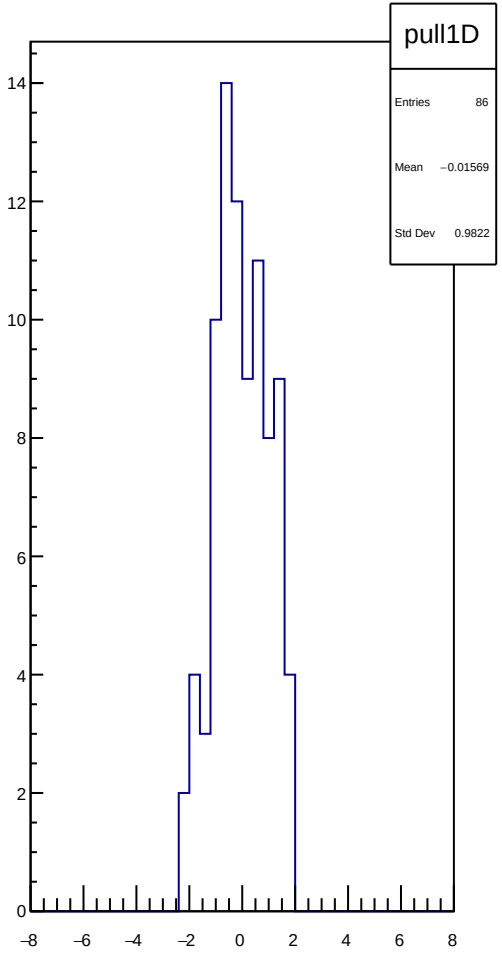

asym_sam_26_avg_rms vs run
χ² / ndf 1.966e+04 / 85
p0 2115 ± 1.642
3200
3000
2800
2600
2400
2200
2000
1800

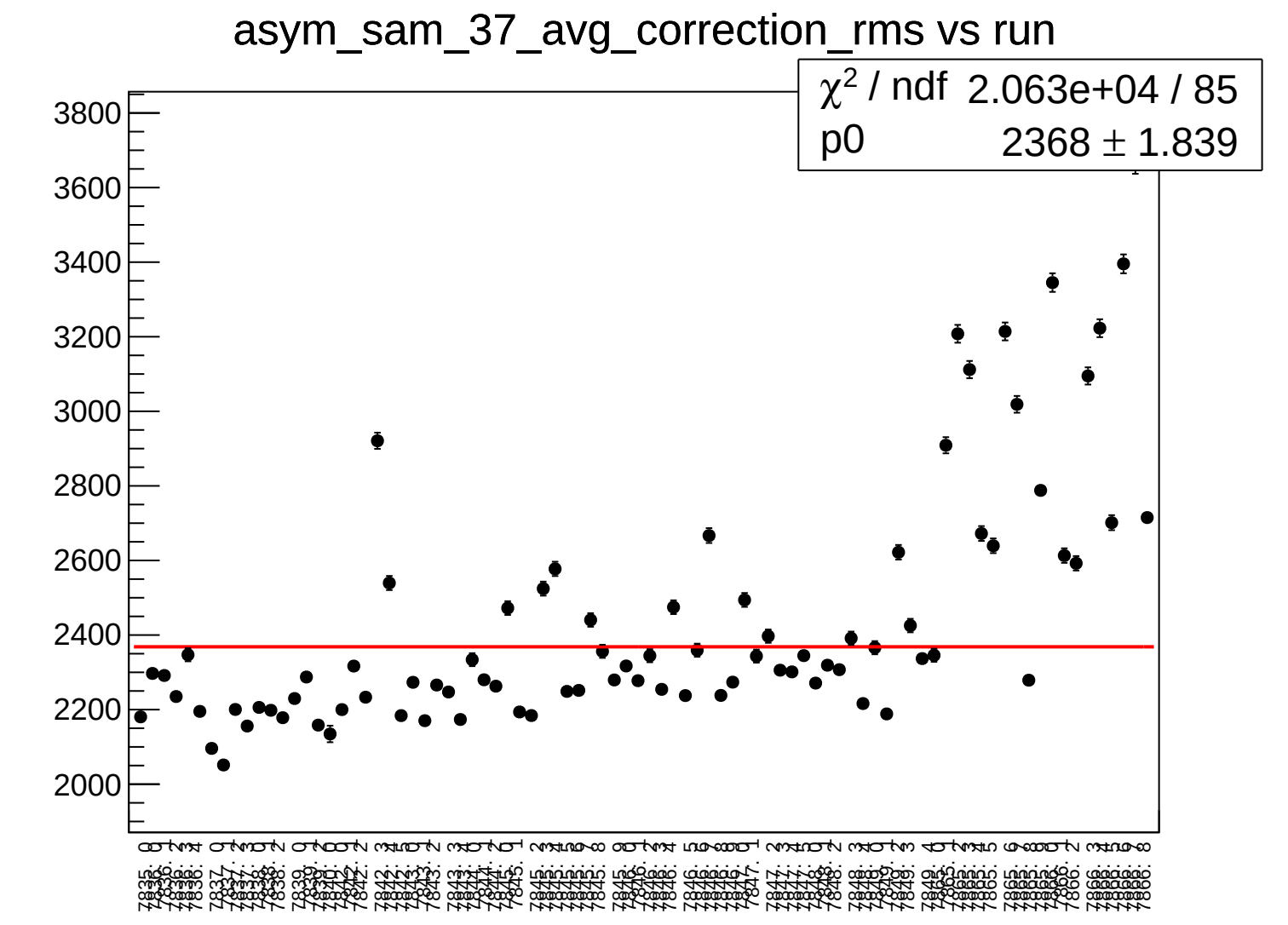

dit_asym_sam_37_avg_mean vs run
χ² / ndf 76.8 / 85
p0 178.2 ± 305.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 120.1
Std Dev 68.46
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

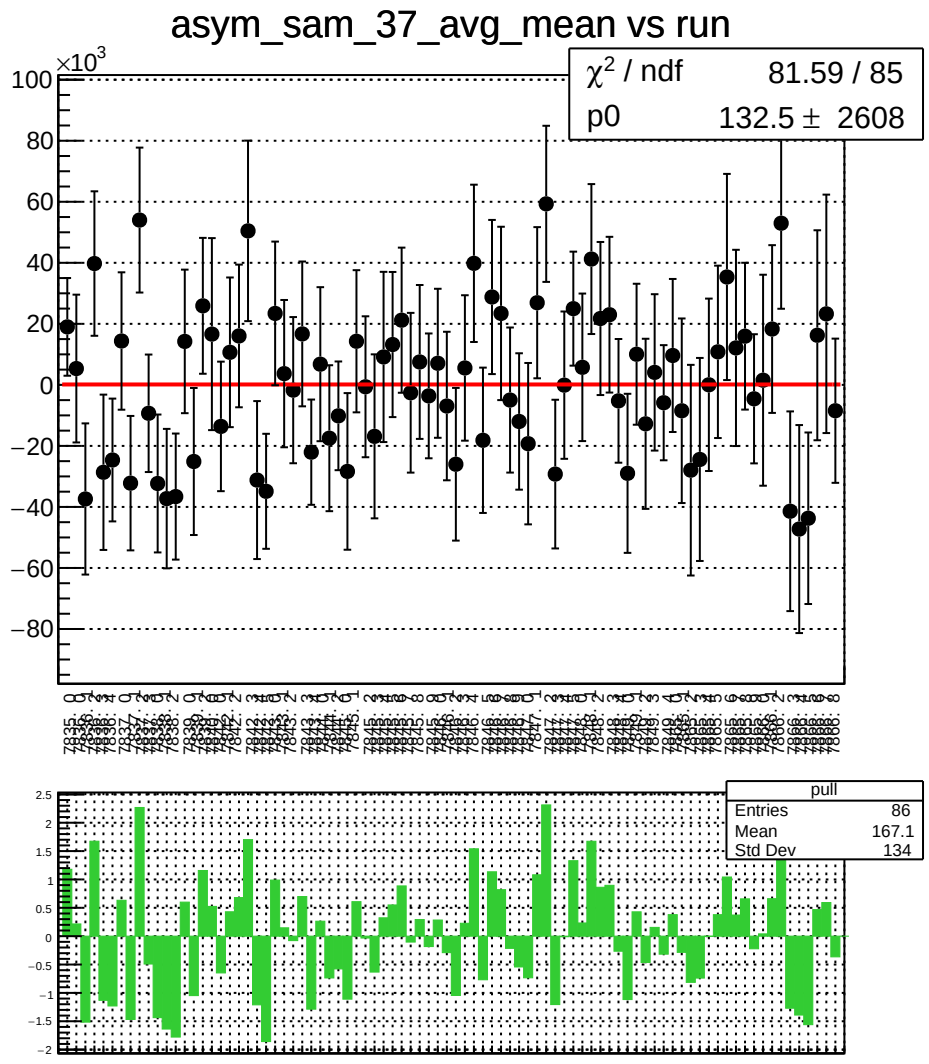

pull1D
Entries 86
Mean 0.01139
Std Dev 0.9449
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

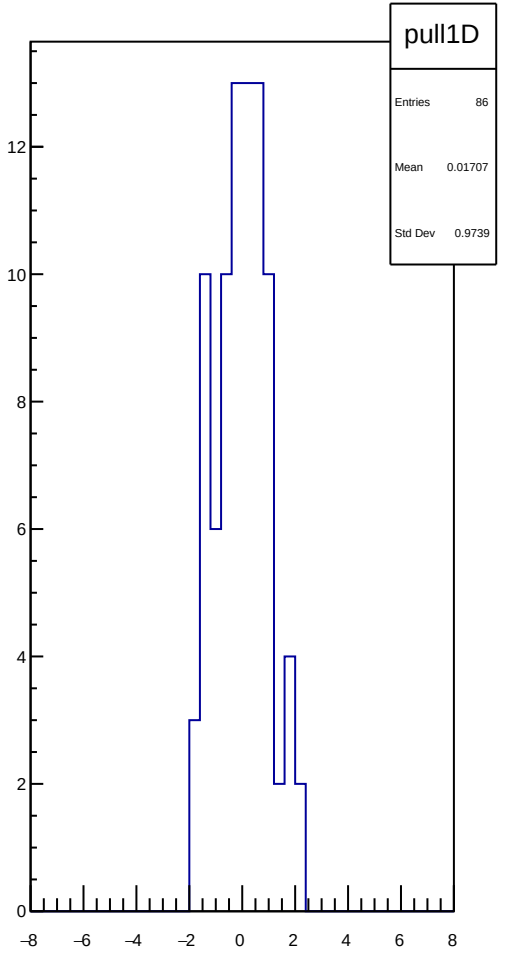

dit_asym_sam_37_avg_rms vs run
χ² / ndf 6.251e+04 / 85
p0 274.8 ± 0.2161
650
600
550
500
450
400
350
300
250
200

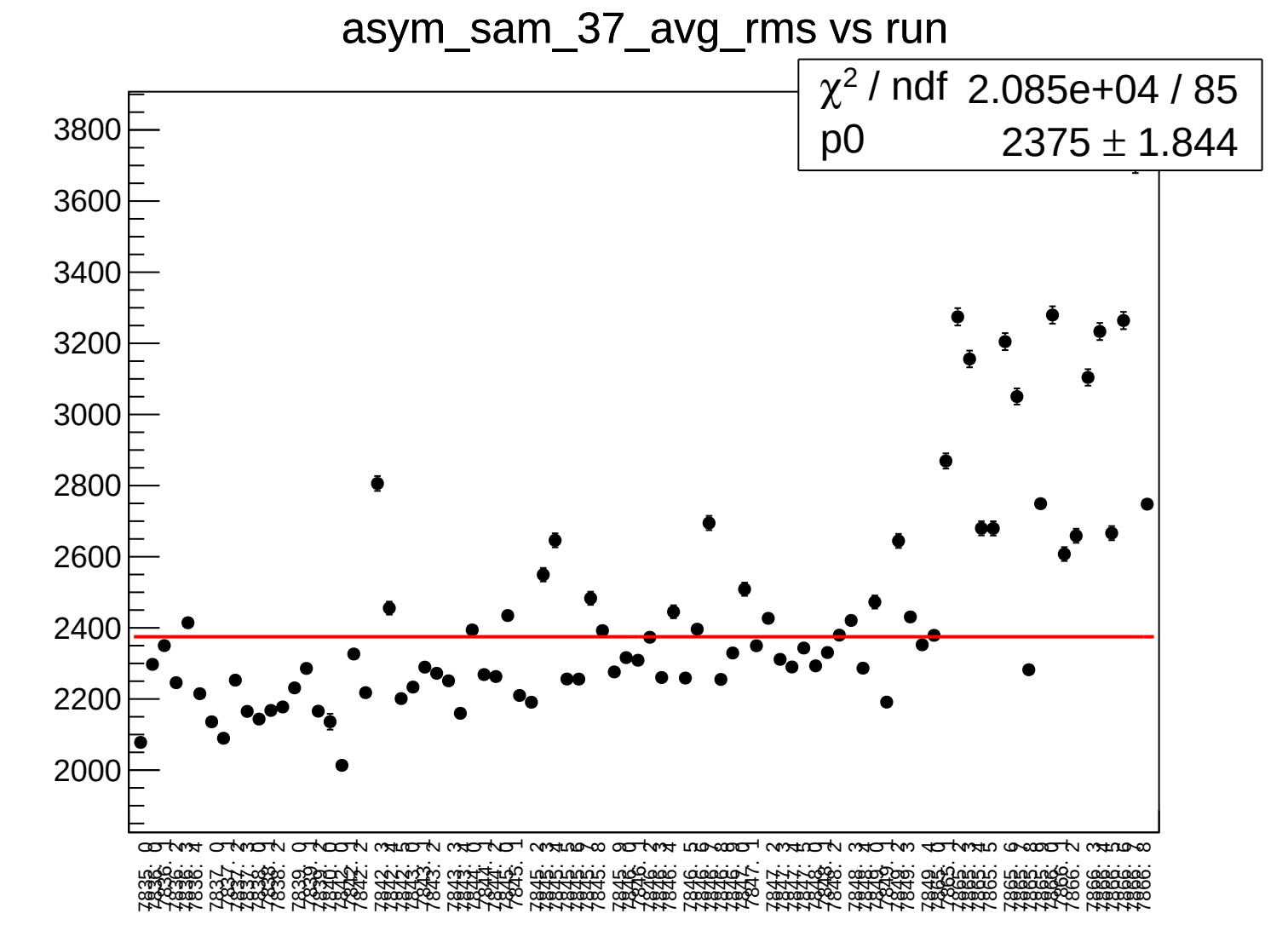

asym_sam_37_avg_correction_mean vs run
×10^3
χ² / ndf 82.98 / 85
p0 48.78 ± 2600
pull
Entries 86
Mean 172.4
Std Dev 140.4

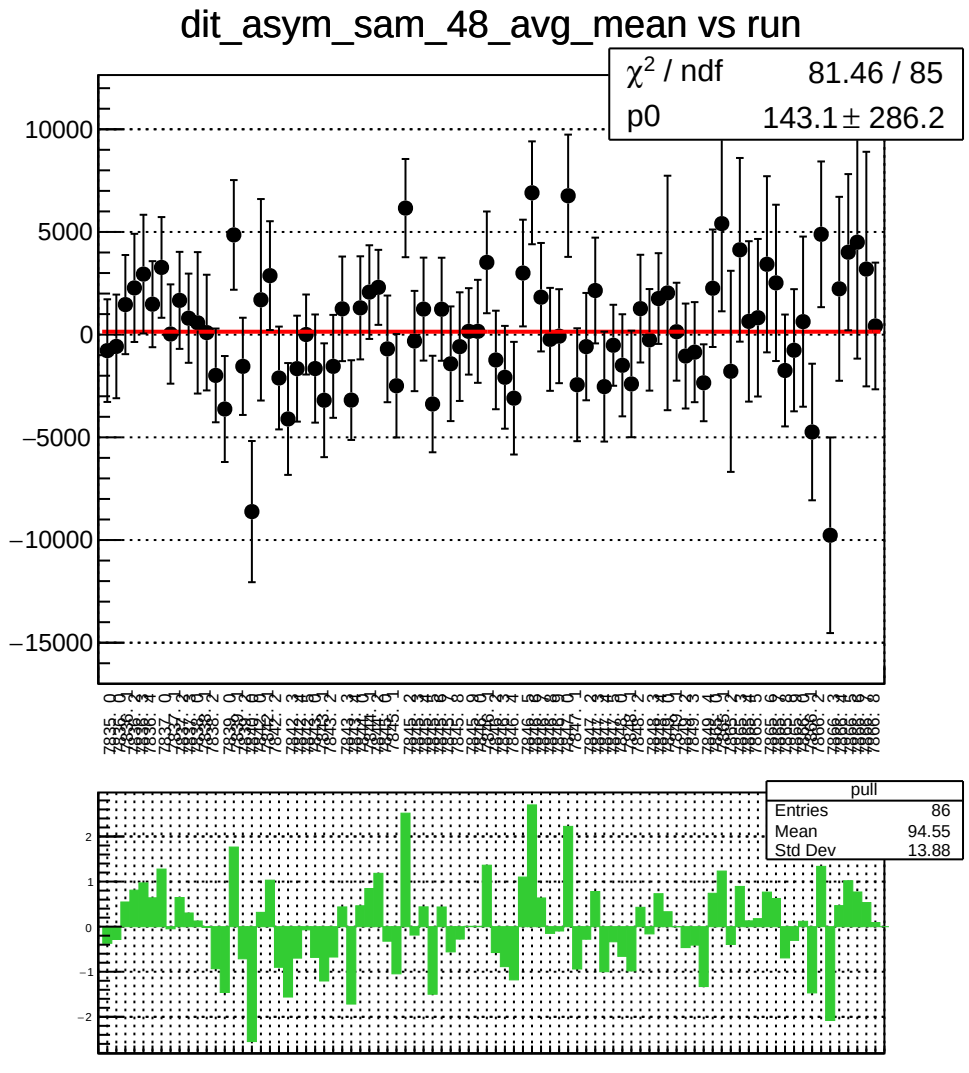

pull1D
Entries 86
Mean −0.01569
Std Dev 0.9822

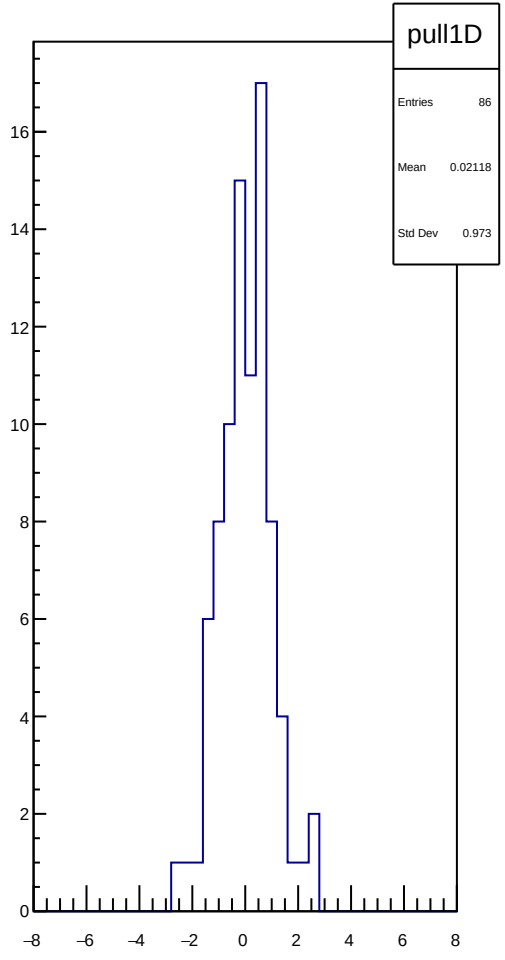

asym_sam_37_avg_correction_rms vs run
χ² / ndf 2.063e+04 / 85
p0 2368 ± 1.839
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

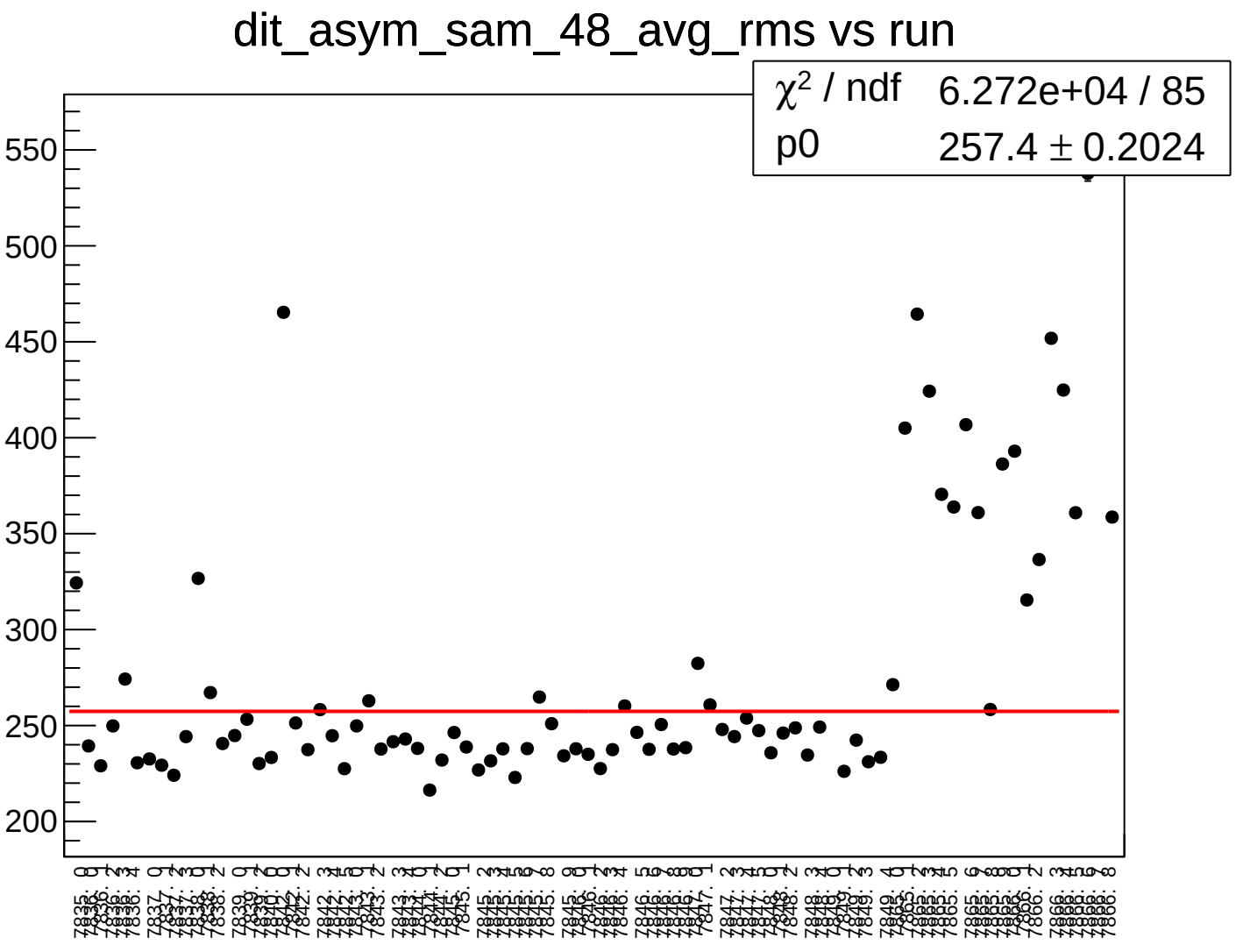

asym_sam_37_avg_mean vs run
×10^3
χ² / ndf 81.59 / 85
p0 132.5 ± 2608
pull
Entries 86
Mean 167.1
Std Dev 134

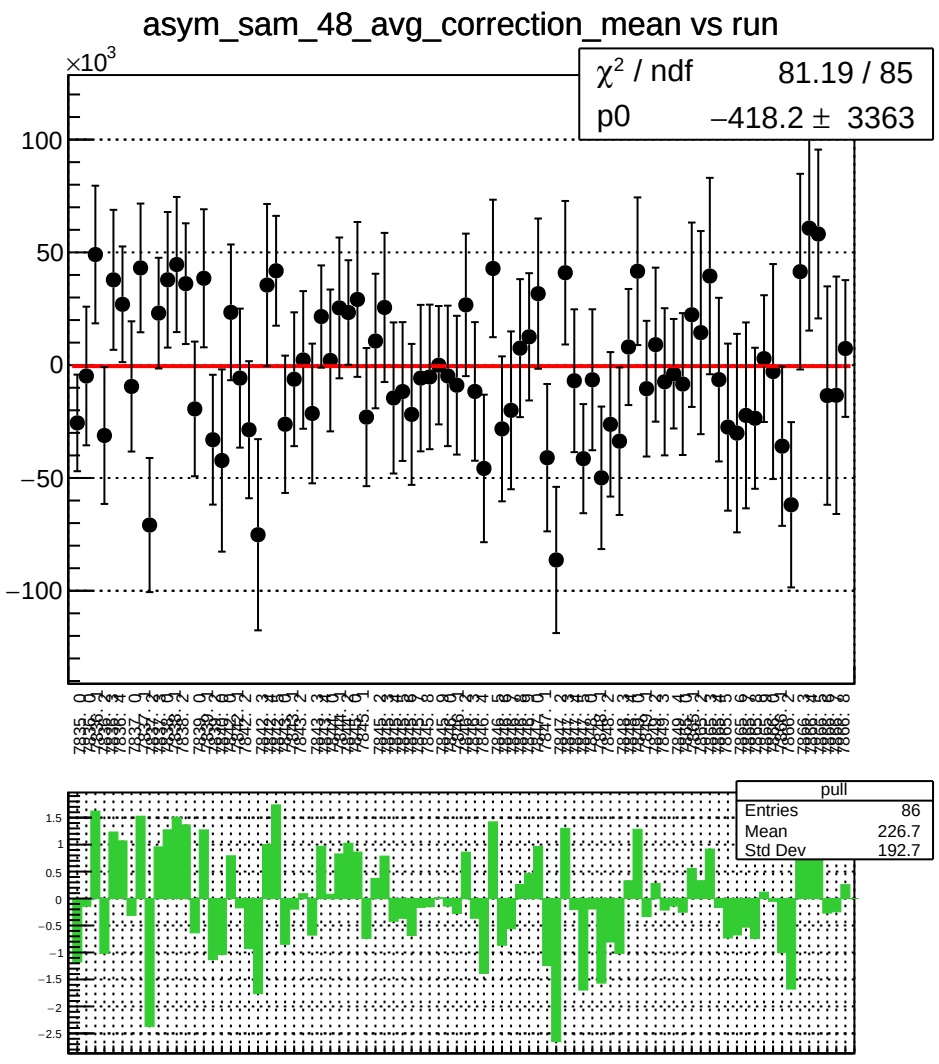

pull1D
Entries 86
Mean 0.01707
Std Dev 0.9739

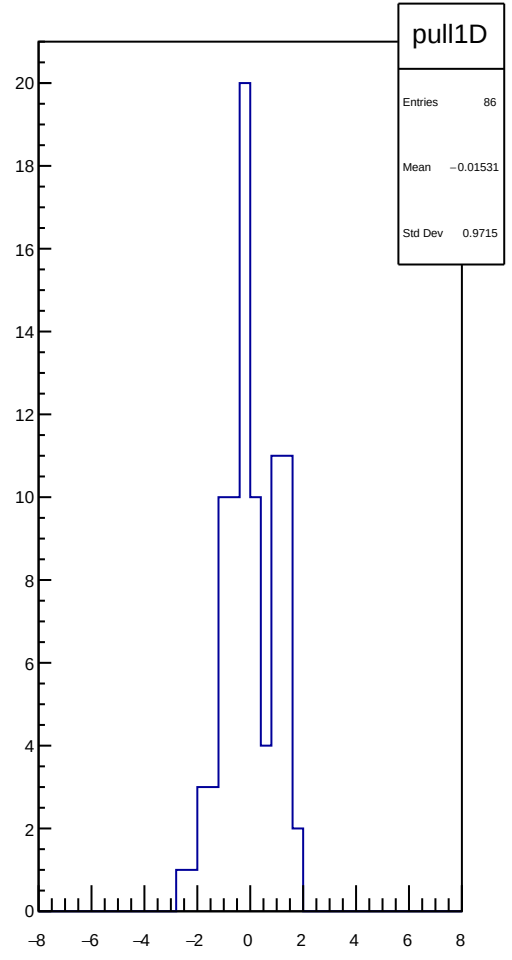

asym_sam_37_avg_rms vs run
χ² / ndf 2.085e+04 / 85
p0 2375 ± 1.844
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000

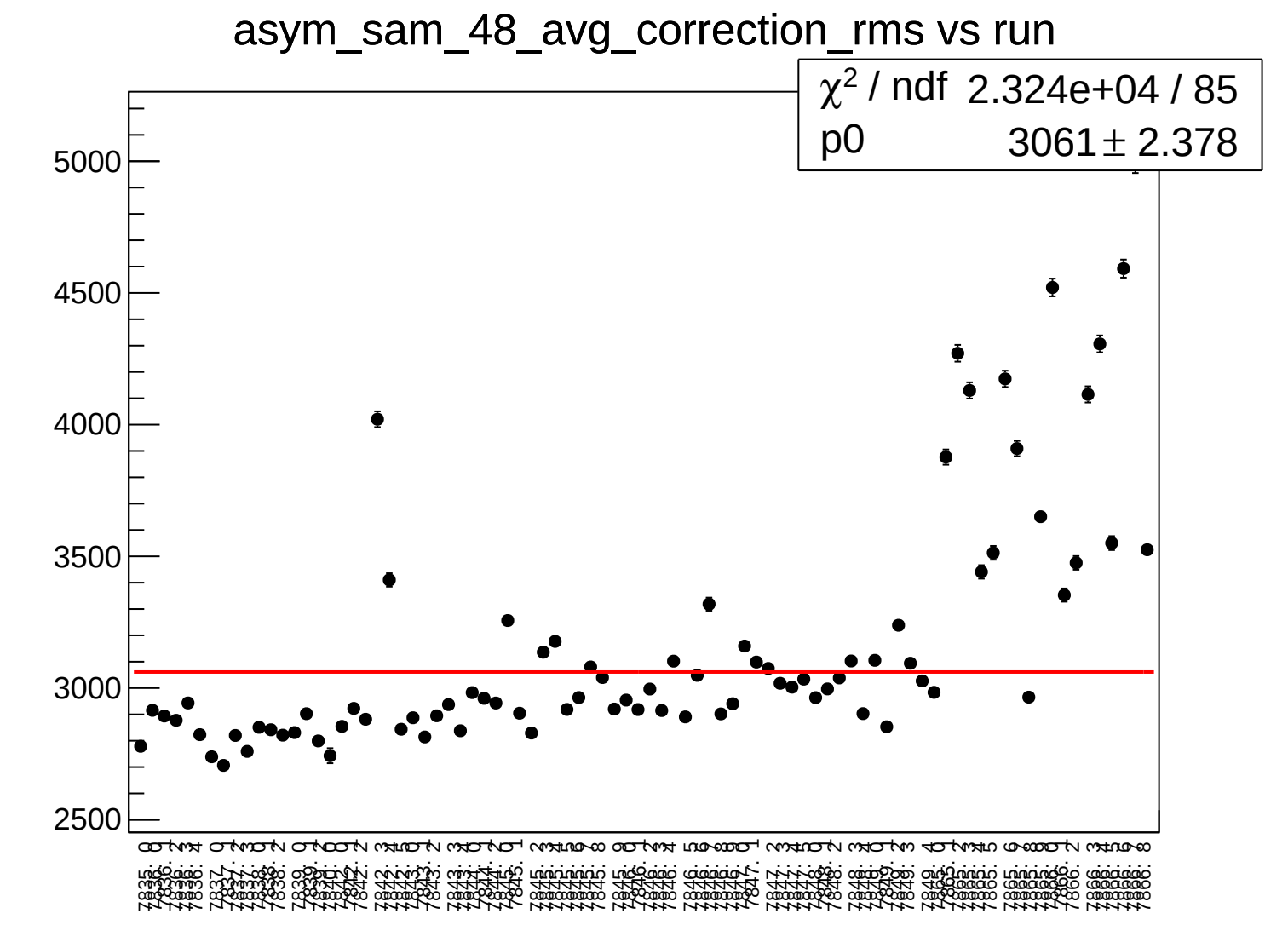

dit_asym_sam_48_avg_mean vs run
χ² / ndf 81.46 / 85
p0 143.1 ± 286.2
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 94.55
Std Dev 13.88
2
1
0
−1
−2

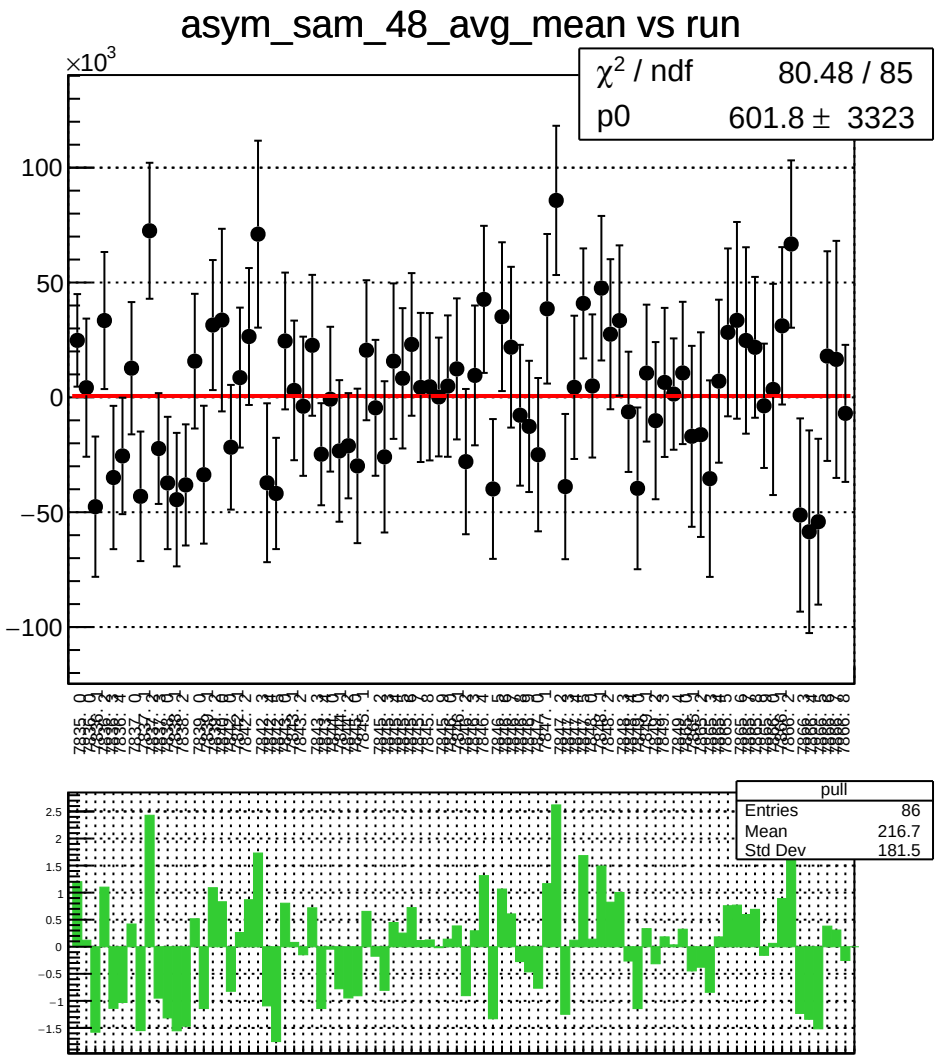

pull1D
Entries 86
Mean 0.02118
Std Dev 0.973
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

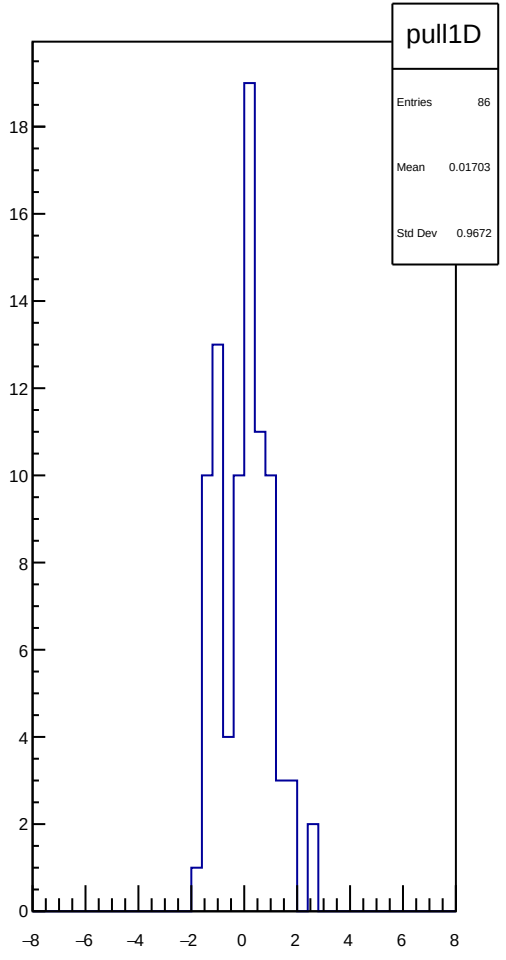

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 6.272e+04 / 85
p0 257.4 ± 0.2024
550
500
450
400
350
300
250
200

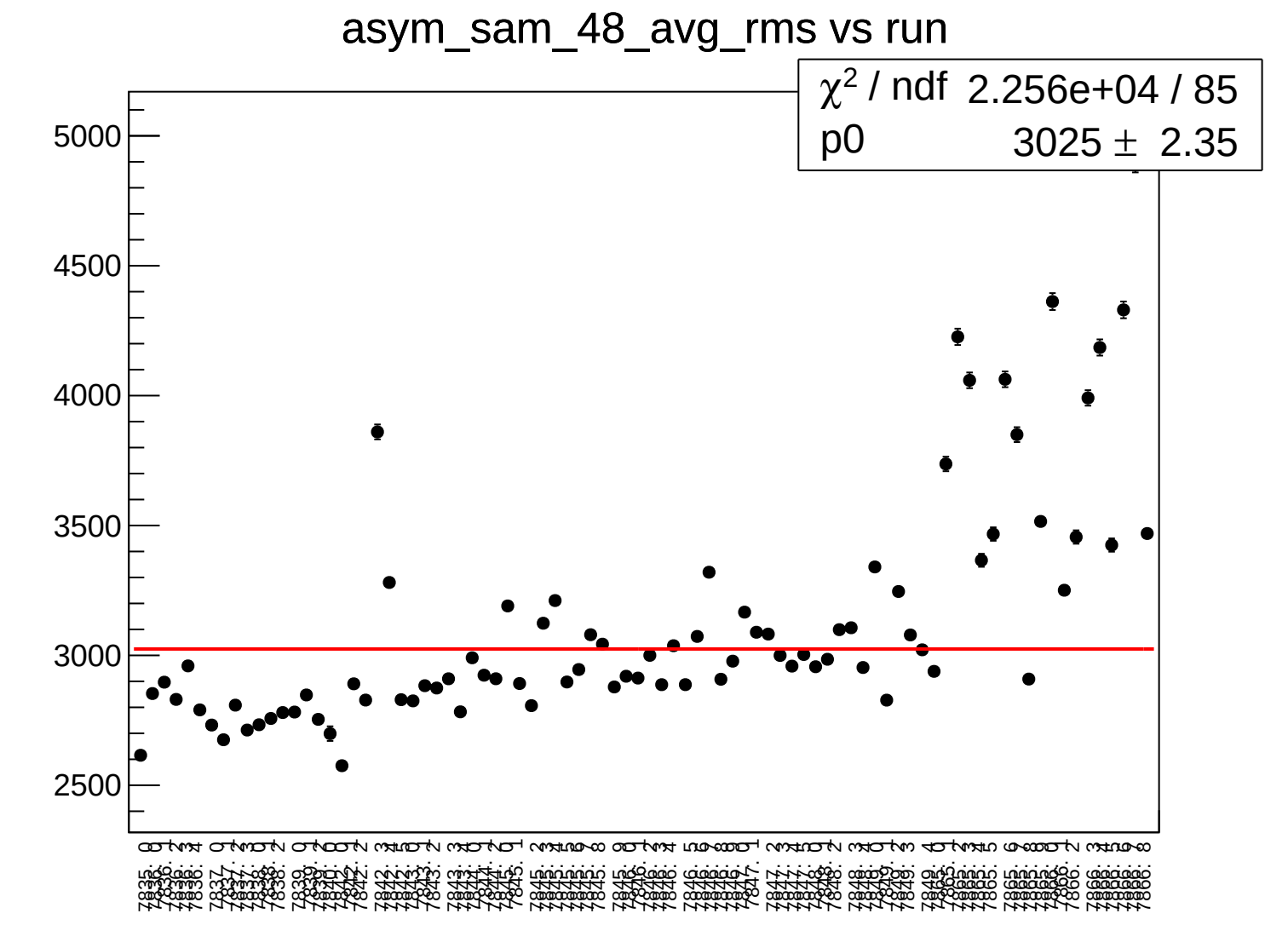

asym_sam_48_avg_correction_mean vs run
×10^3
χ² / ndf 81.19 / 85
p0 −418.2 ± 3363
100
50
0
−50
−100
pull
Entries 86
Mean 226.7
Std Dev 192.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

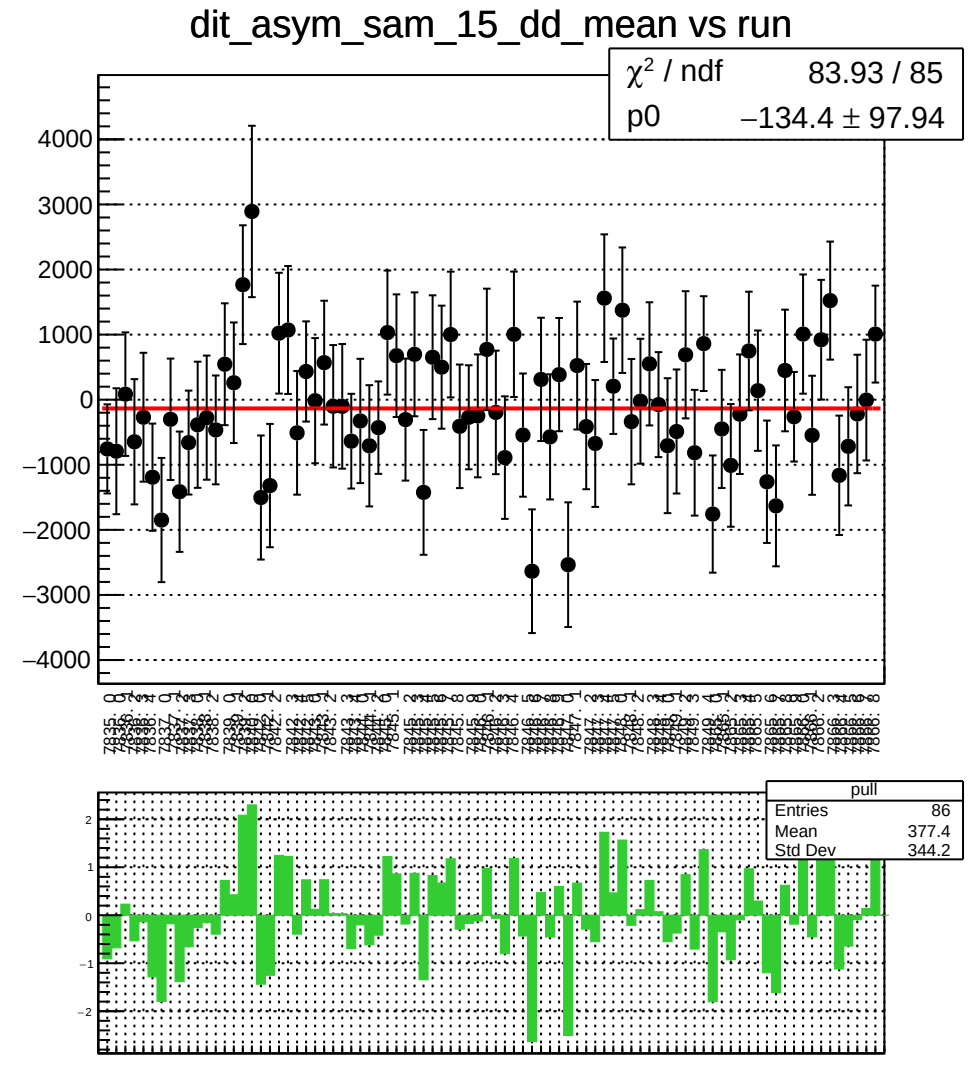

pull1D
Entries 86
Mean −0.01531
Std Dev 0.9715
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

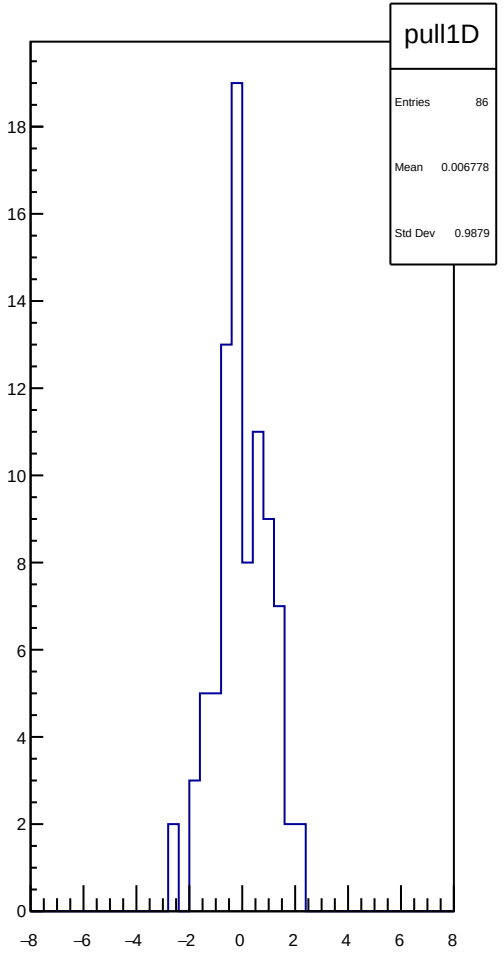

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2.324e+04 / 85
p0 3061 ± 2.378
5000
4500
4000
3500
3000
2500

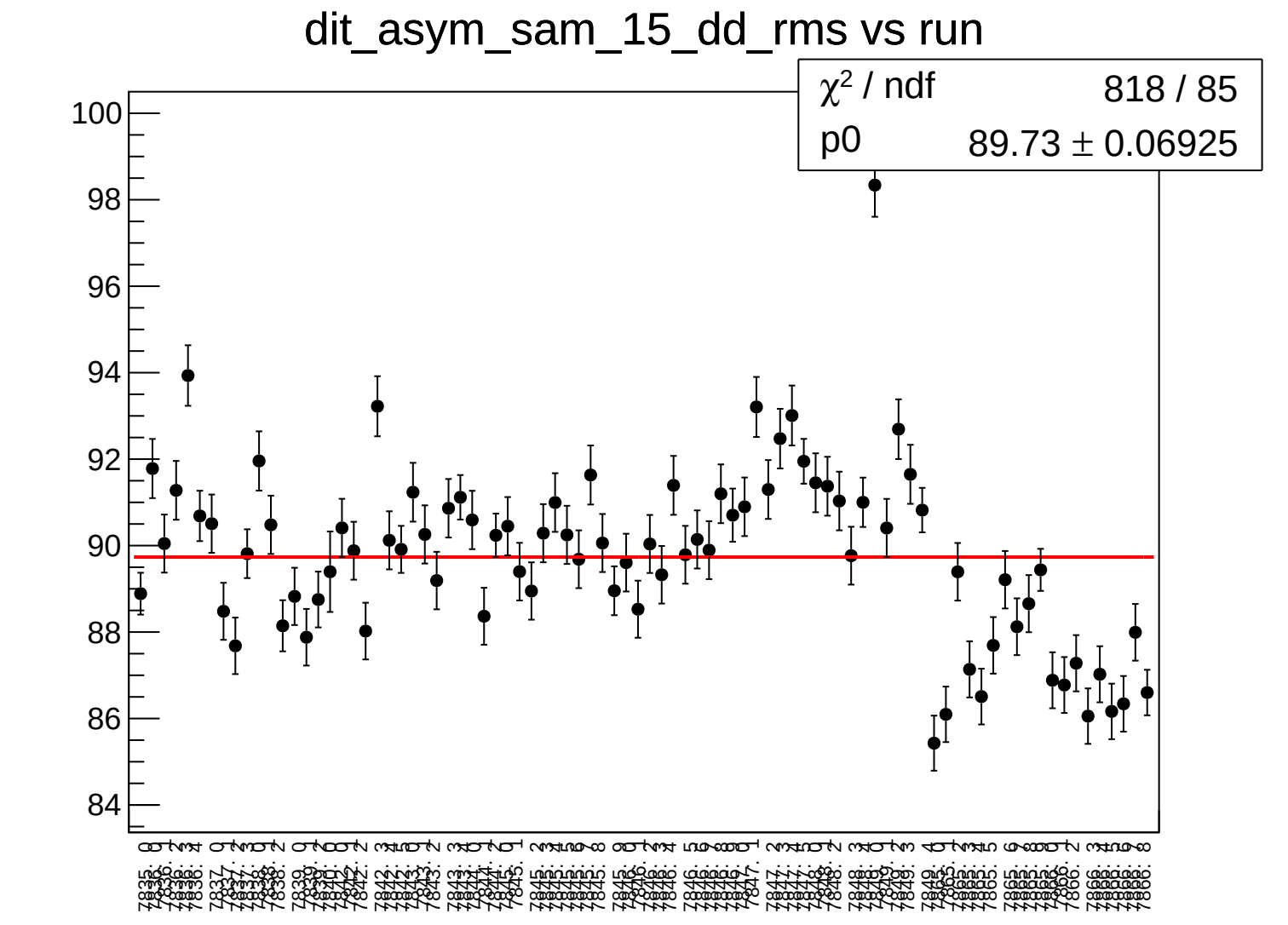

asym_sam_48_avg_mean vs run
×10^3
χ^2 / ndf 80.48 / 85
p0 601.8 ± 3323
100
50
0
−50
−100
pull
Entries 86
Mean 216.7
Std Dev 181.5
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

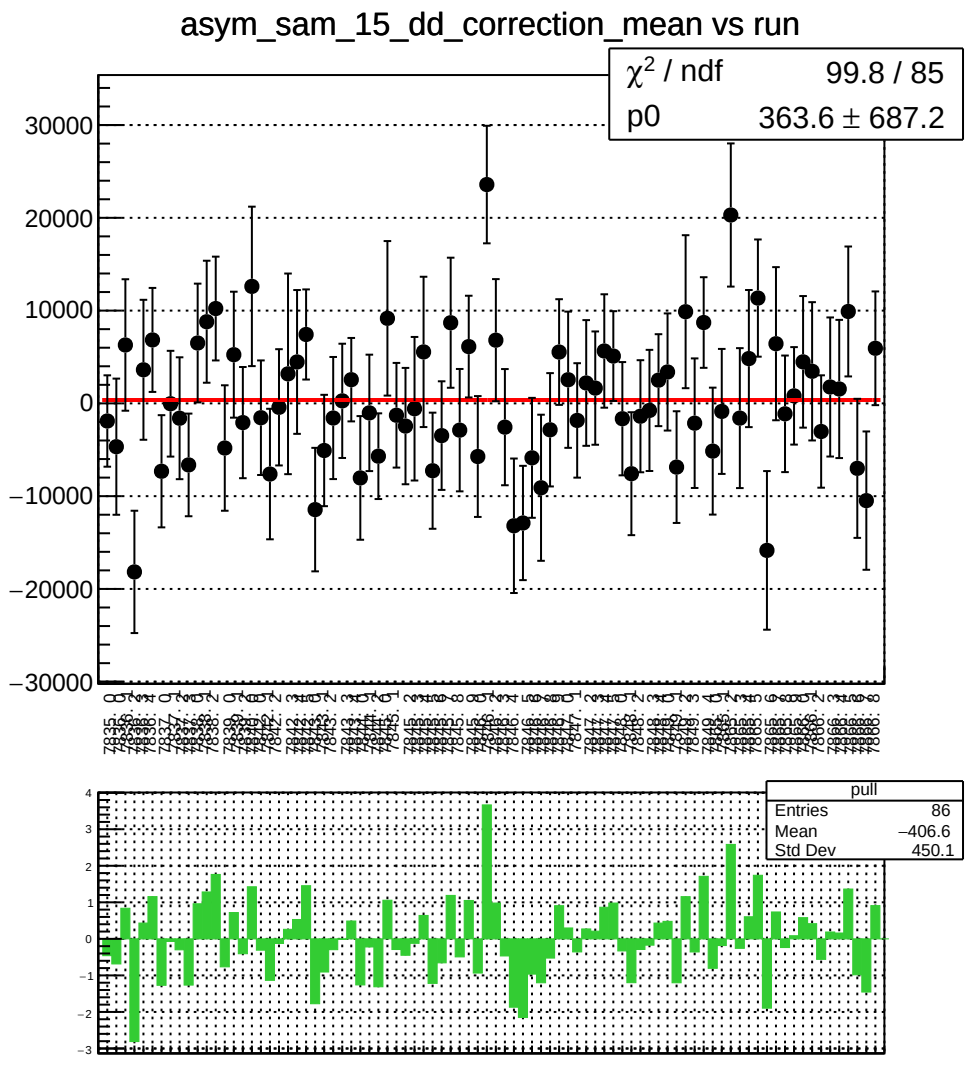

pull1D
Entries 86
Mean 0.01703
Std Dev 0.9672
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

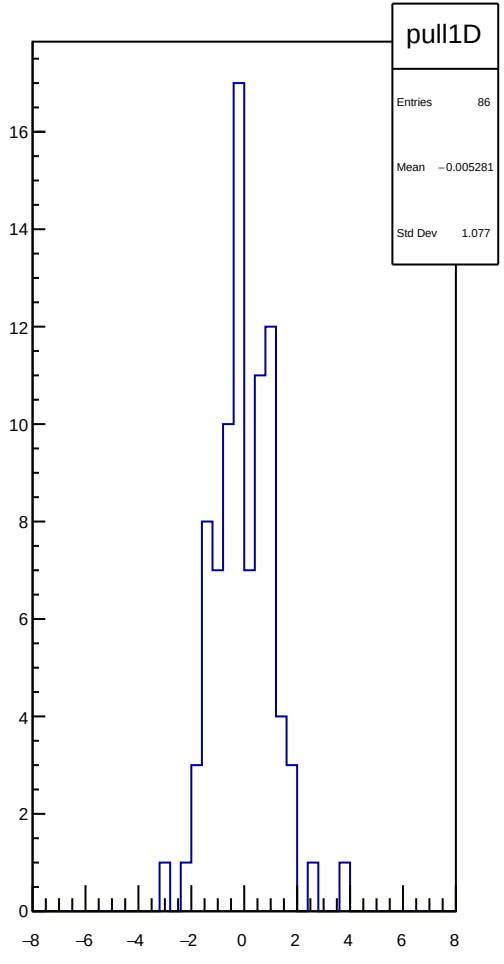

asym_sam_48_avg_rms vs run
χ^2 / ndf 2.256e+04 / 85
p0 3025 ± 2.35
5000
4500
4000
3500
3000
2500

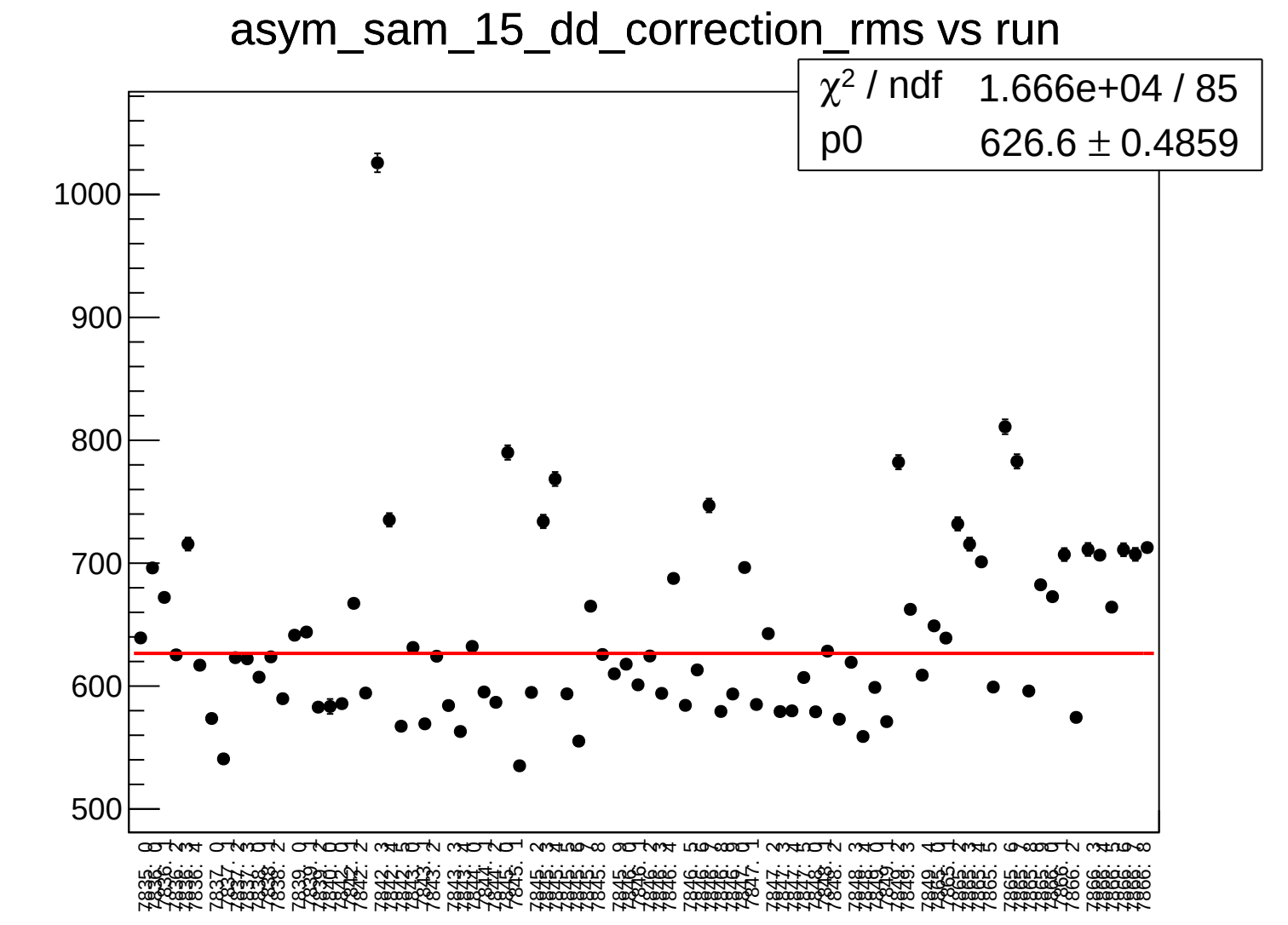

dit_asym_sam_15_dd_mean vs run
χ² / ndf 83.93 / 85
p0 −134.4 ± 97.94
pull
Entries 86
Mean 377.4
Std Dev 344.2

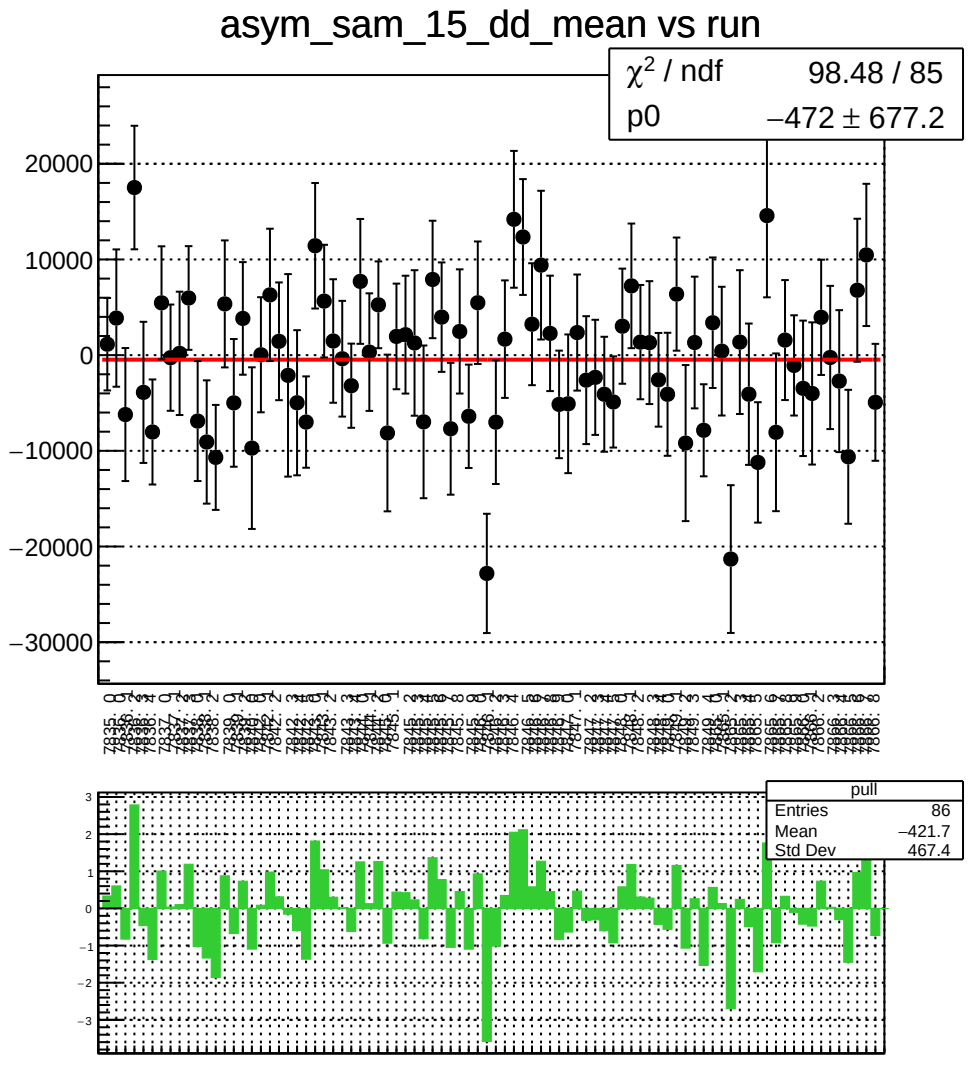

pull1D
Entries 86
Mean 0.006778
Std Dev 0.9879

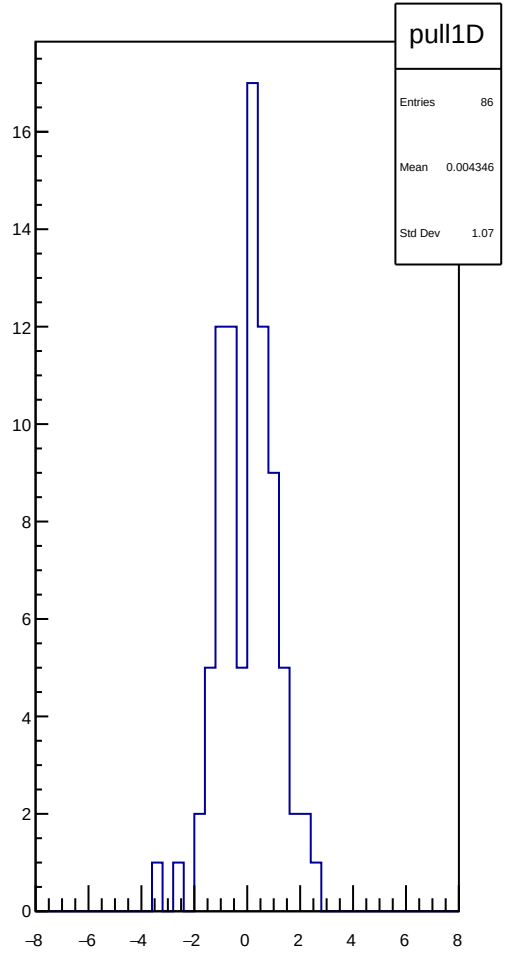

dit_asym_sam_15_dd_rms vs run
χ² / ndf 818 / 85
p0 89.73 ± 0.06925
100
98
96
94
92
90
88
86
84

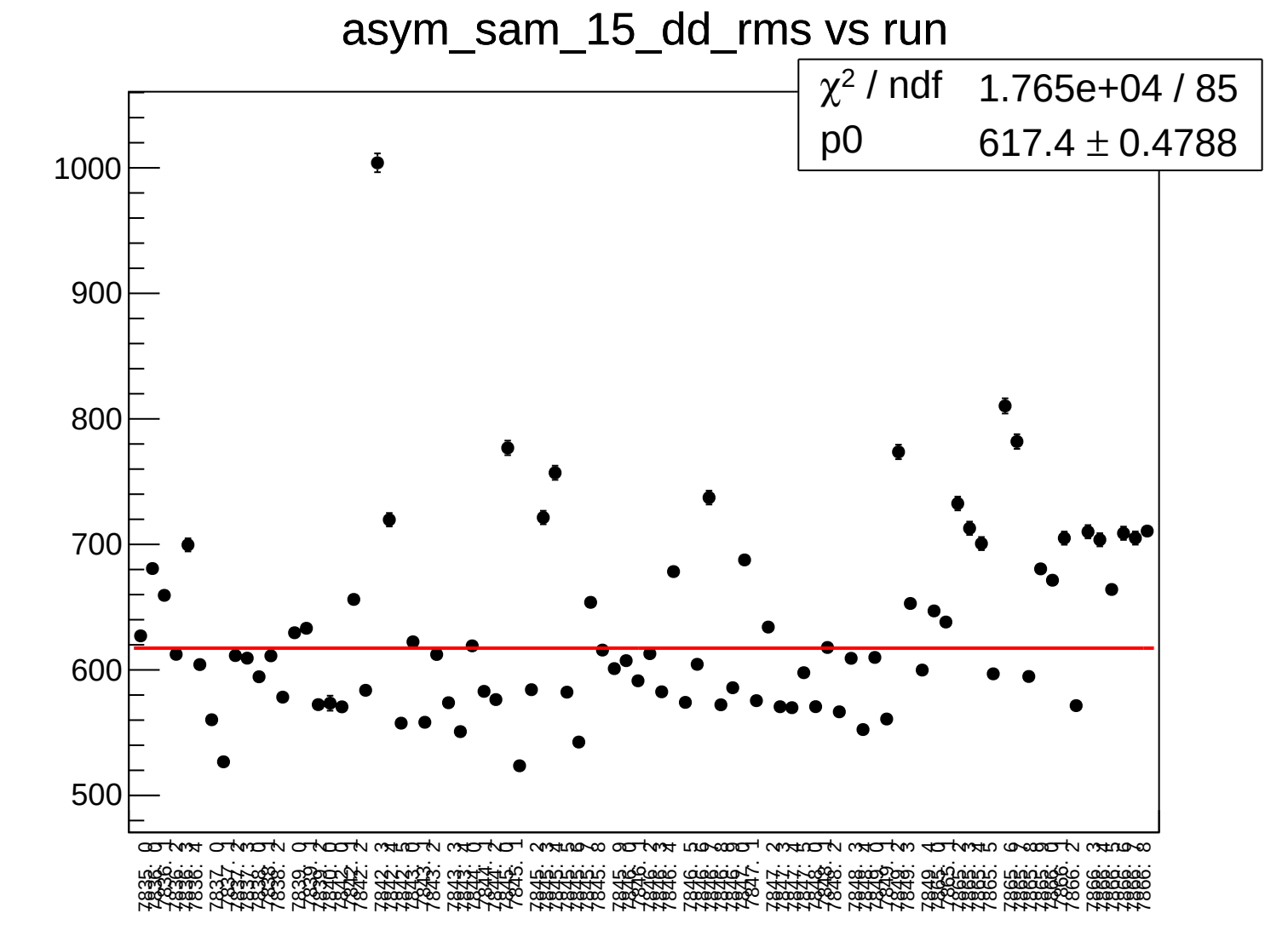

asym_sam_15_dd_correction_mean vs run
χ² / ndf 99.8 / 85
p0 363.6 ± 687.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −406.6
Std Dev 450.1
4
3
2
1
0
−1
−2
−3

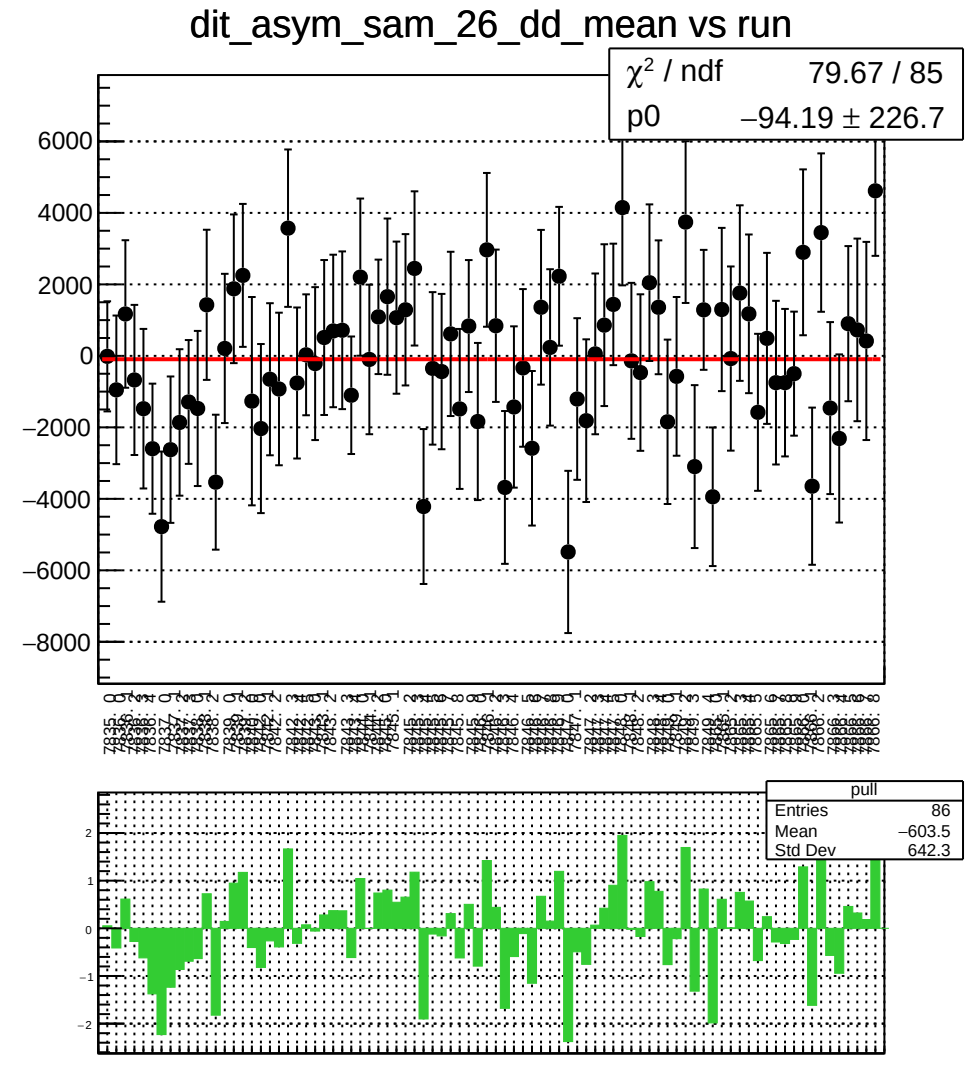

pull1D
Entries 86
Mean −0.005281
Std Dev 1.077
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

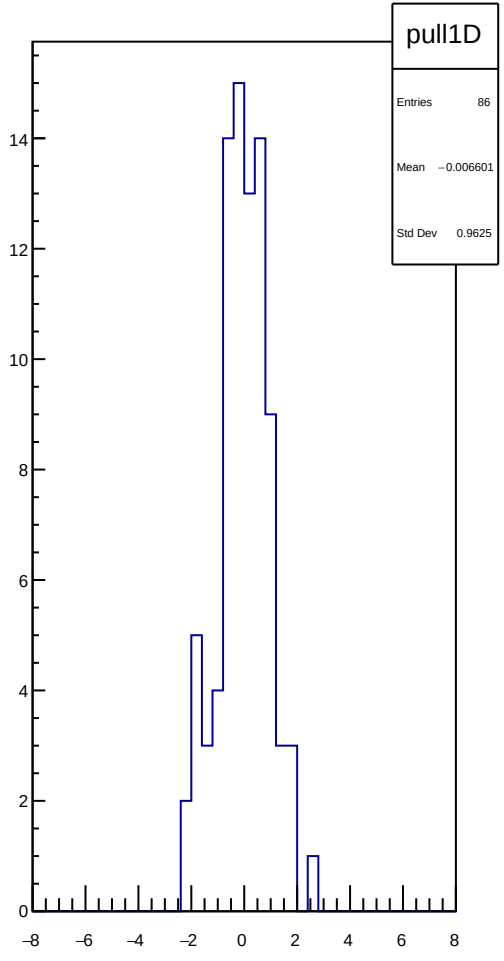

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1.666e+04 / 85
p0 626.6 ± 0.4859
1000
900
800
700
600
500

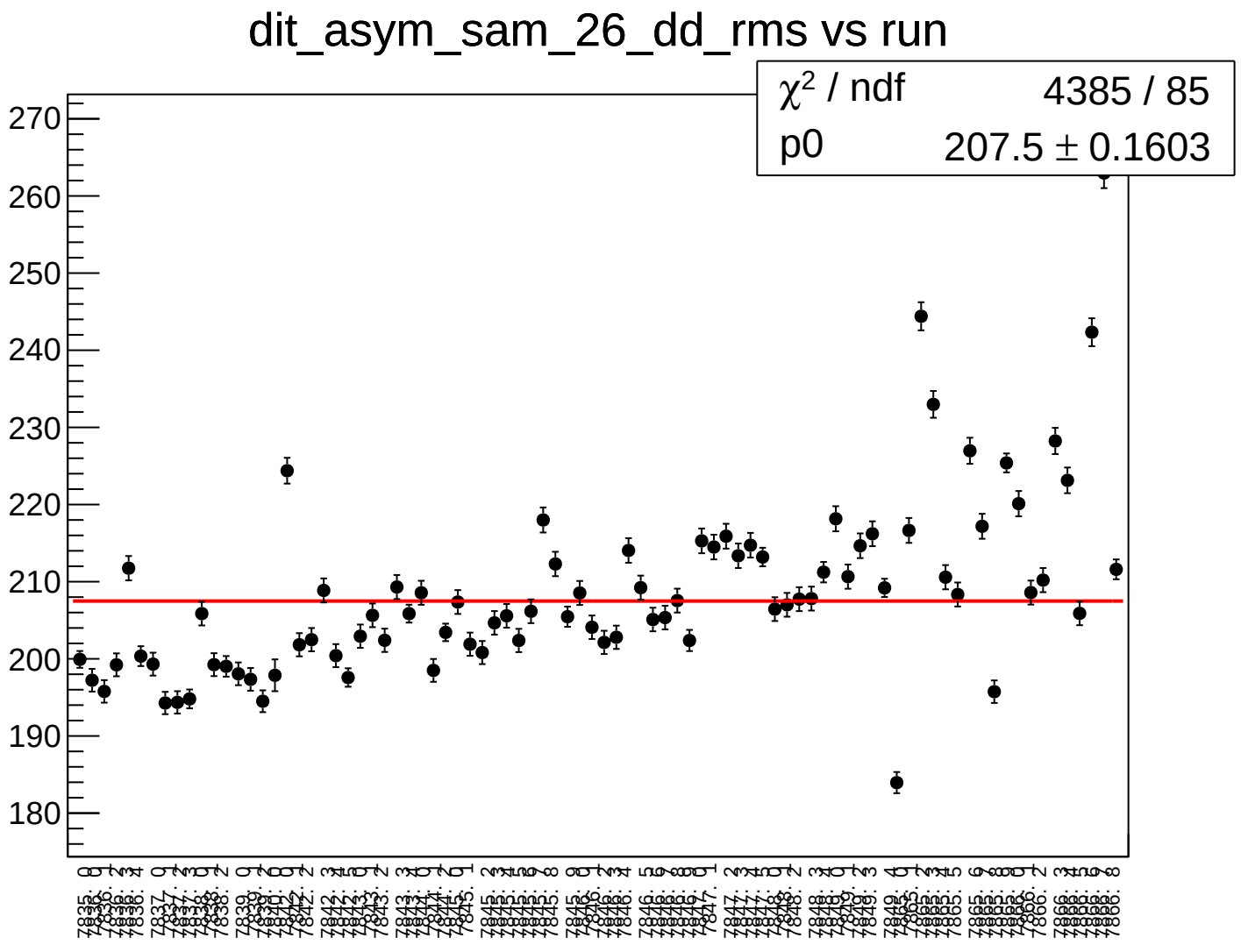

asym_sam_15_dd_mean vs run
χ² / ndf 98.48 / 85
p0 −472 ± 677.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −421.7
Std Dev 467.4
3
2
1
0
−1
−2
−3

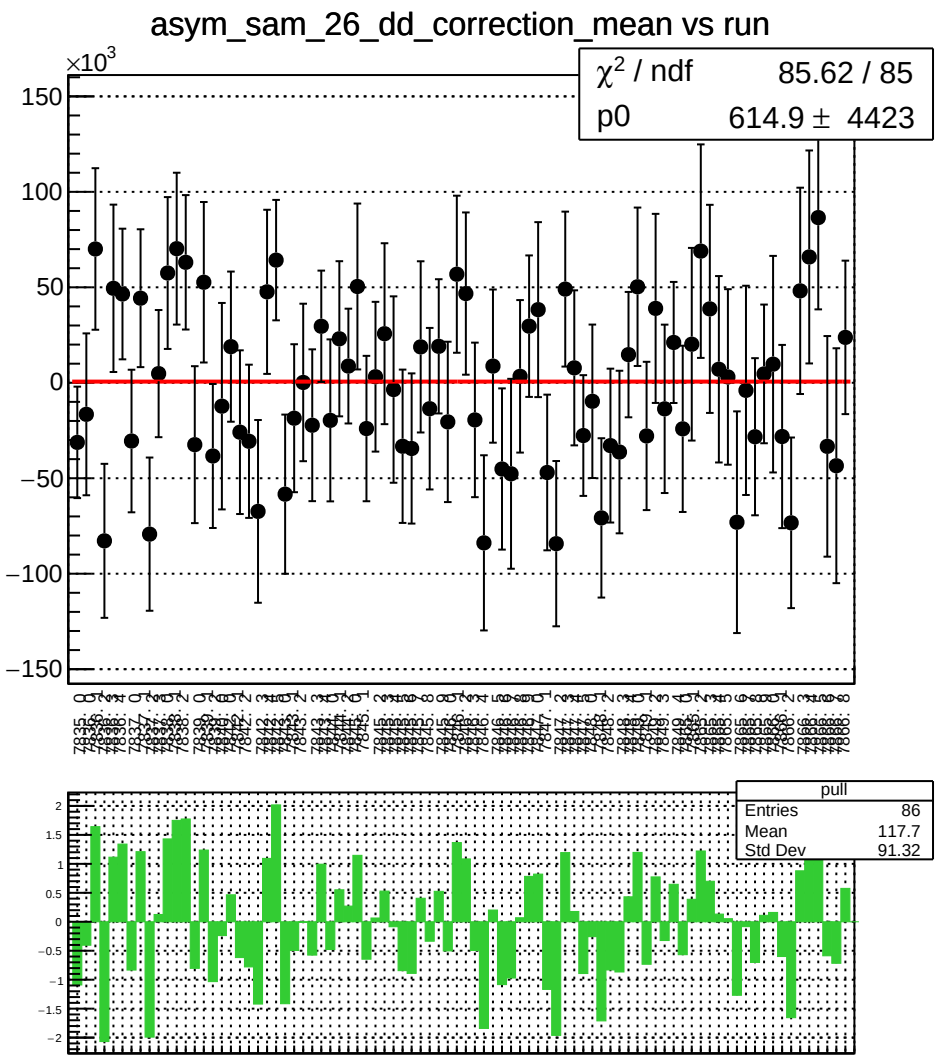

pull1D
Entries 86
Mean 0.004346
Std Dev 1.07
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

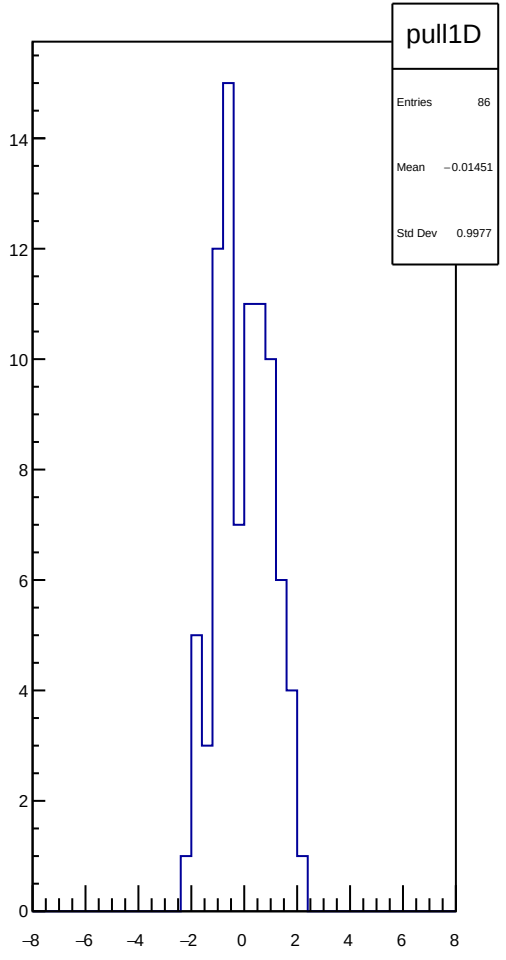

asym_sam_15_dd_rms vs run
χ² / ndf 1.765e+04 / 85
p0 617.4 ± 0.4788
1000
900
800
700
600
500

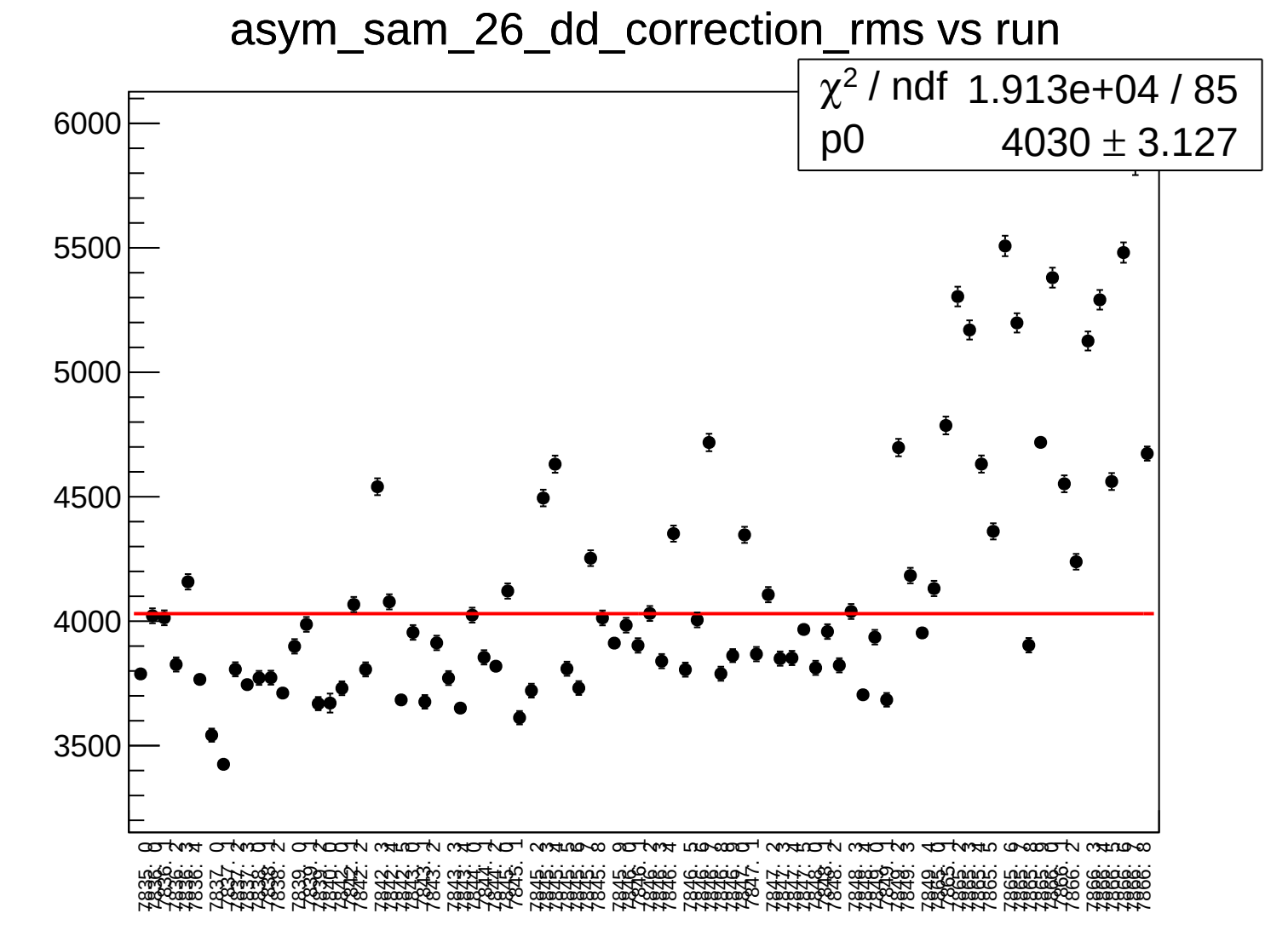

dit_asym_sam_26_dd_mean vs run
χ² / ndf 79.67 / 85
p0 −94.19 ± 226.7
pull
Entries 86
Mean −603.5
Std Dev 642.3

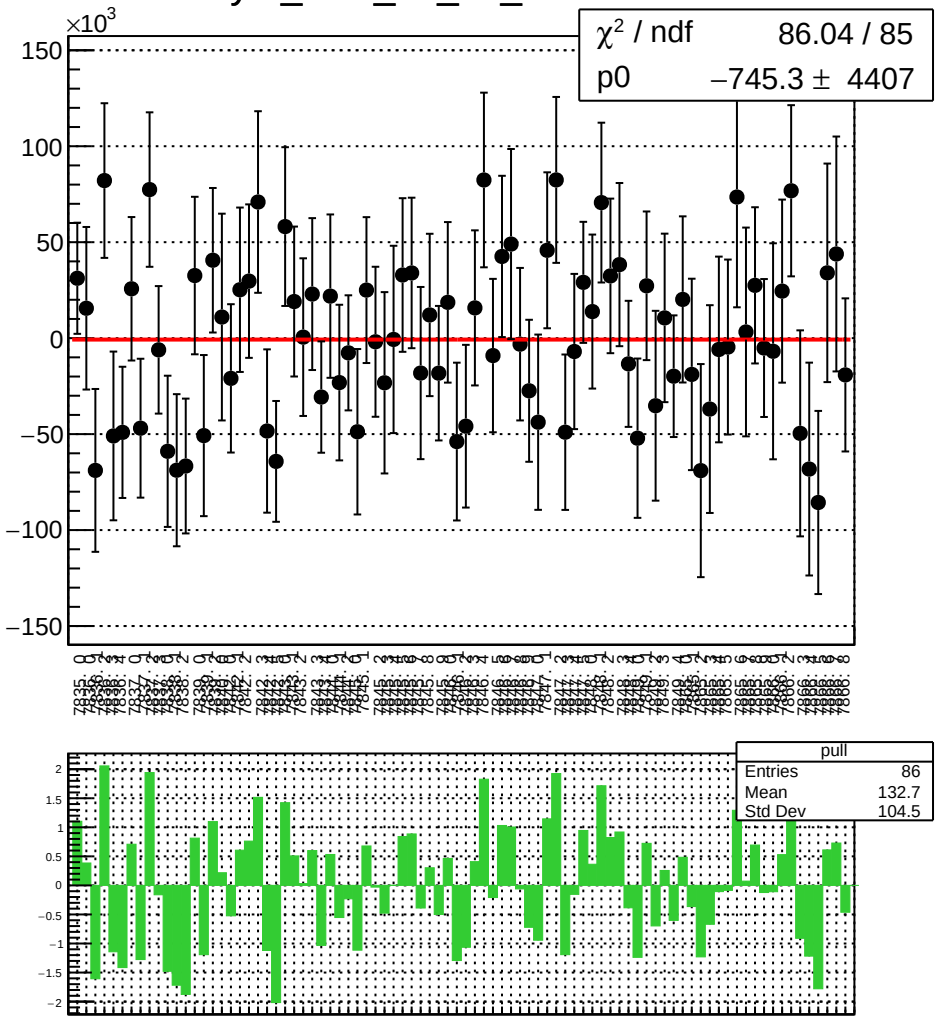

pull1D
Entries 86
Mean −0.006601
Std Dev 0.9625

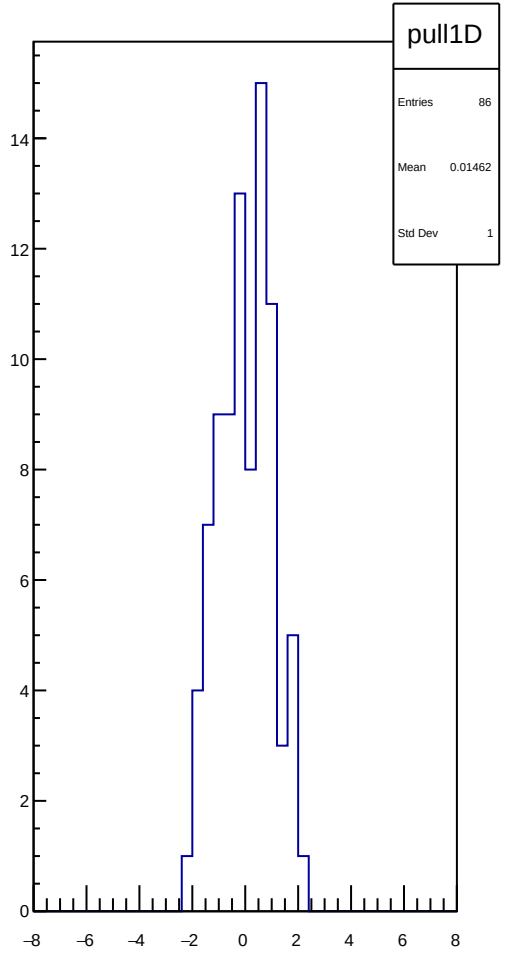

dit_asym_sam_26_dd_rms vs run
χ² / ndf 4385 / 85
p0 207.5 ± 0.1603
270
260
250
240
230
220
210
200
190
180

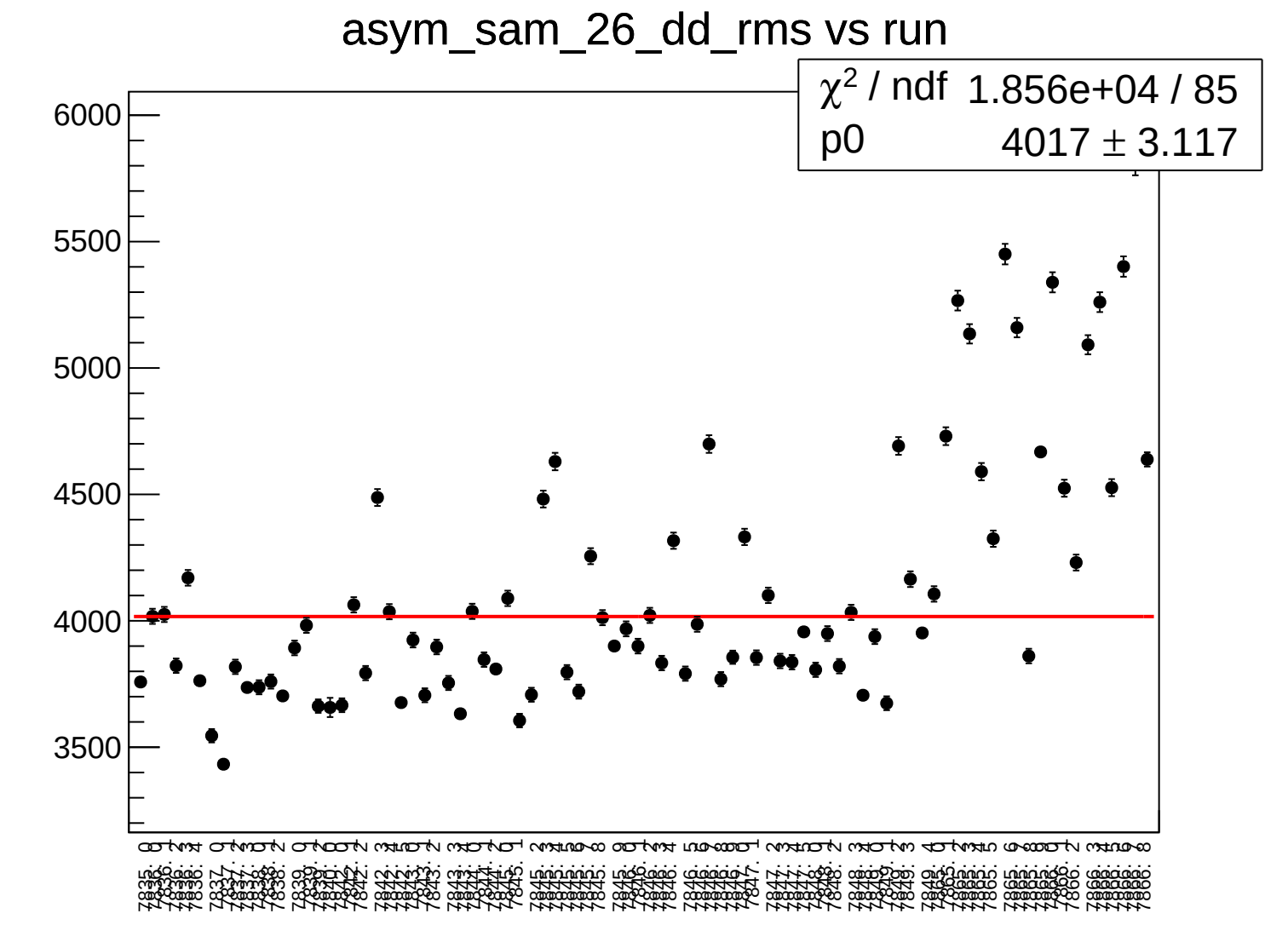

asym_sam_26_dd_correction_mean vs run
χ² / ndf 85.62 / 85
p0 614.9 ± 4423
×10³
pull
Entries 86
Mean 117.7
Std Dev 91.32

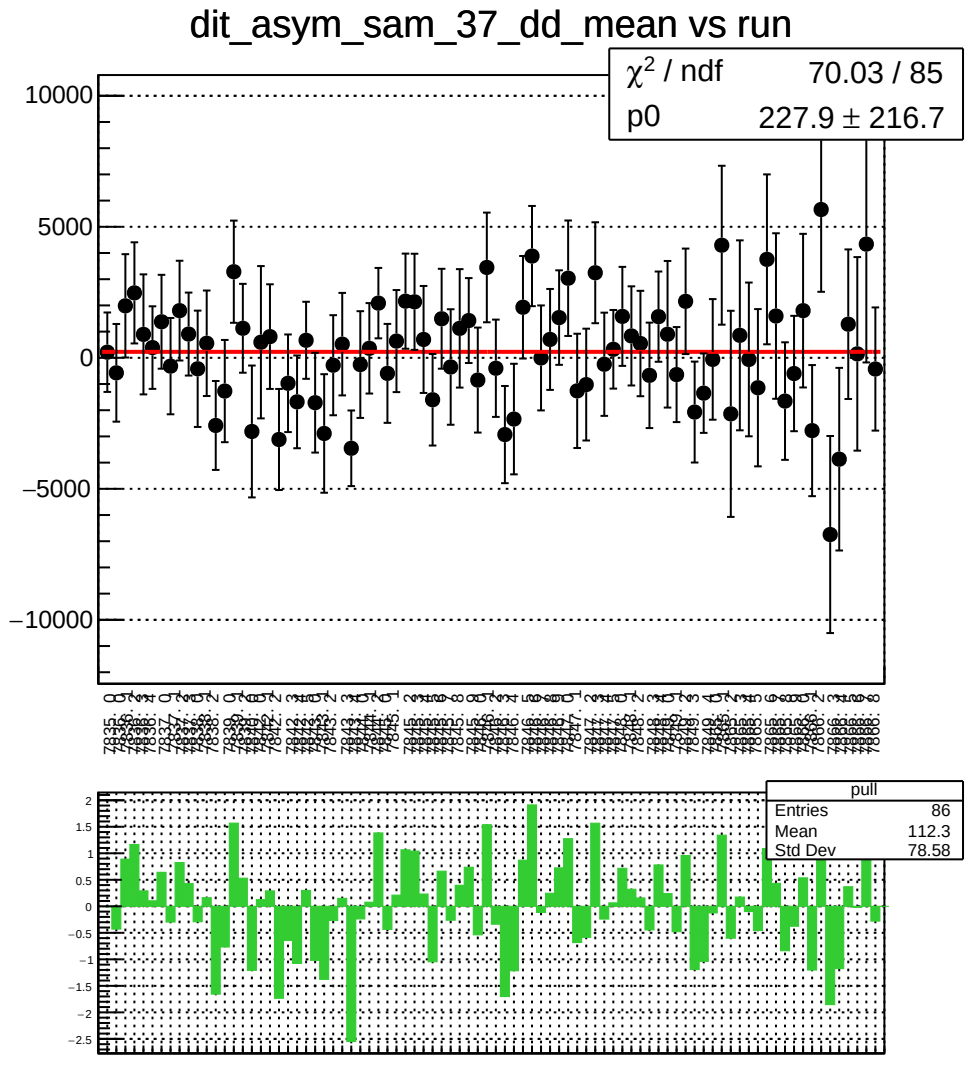

pull1D
Entries 86
Mean −0.01451
Std Dev 0.9977

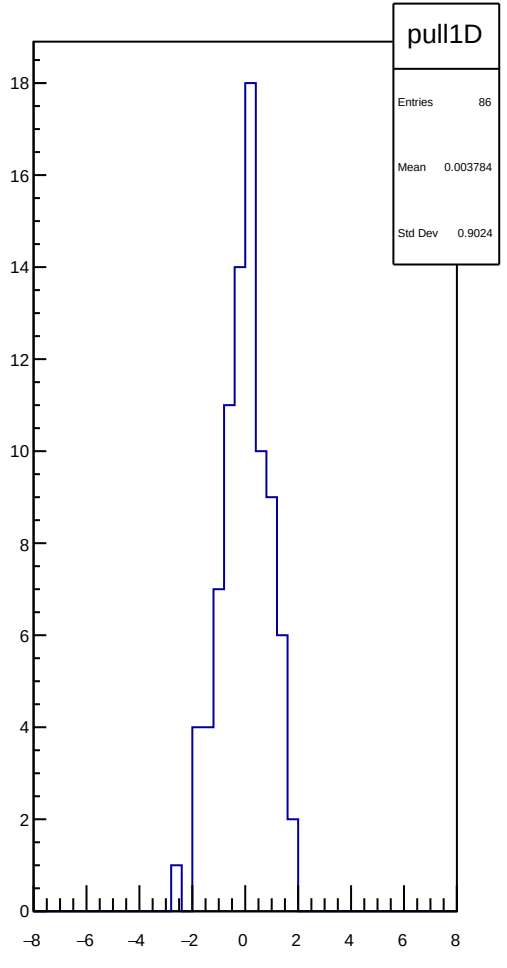

asym_sam_26_dd_correction_rms vs run
χ² / ndf 1.913e+04 / 85
p0 4030 ± 3.127
6000
5500
5000
4500
4000
3500

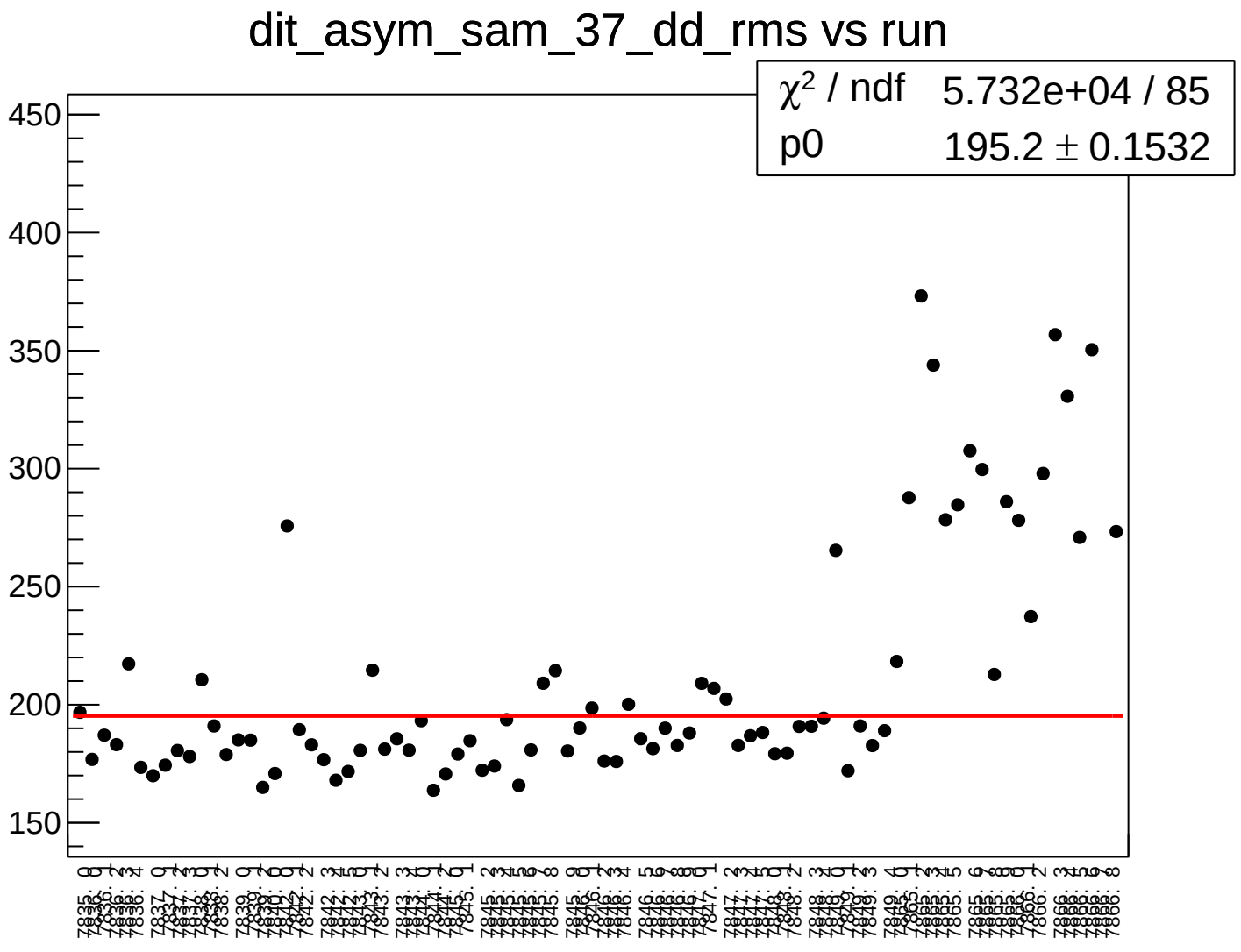

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 86.04 / 85
p0 −745.3 ± 4407
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 132.7
Std Dev 104.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

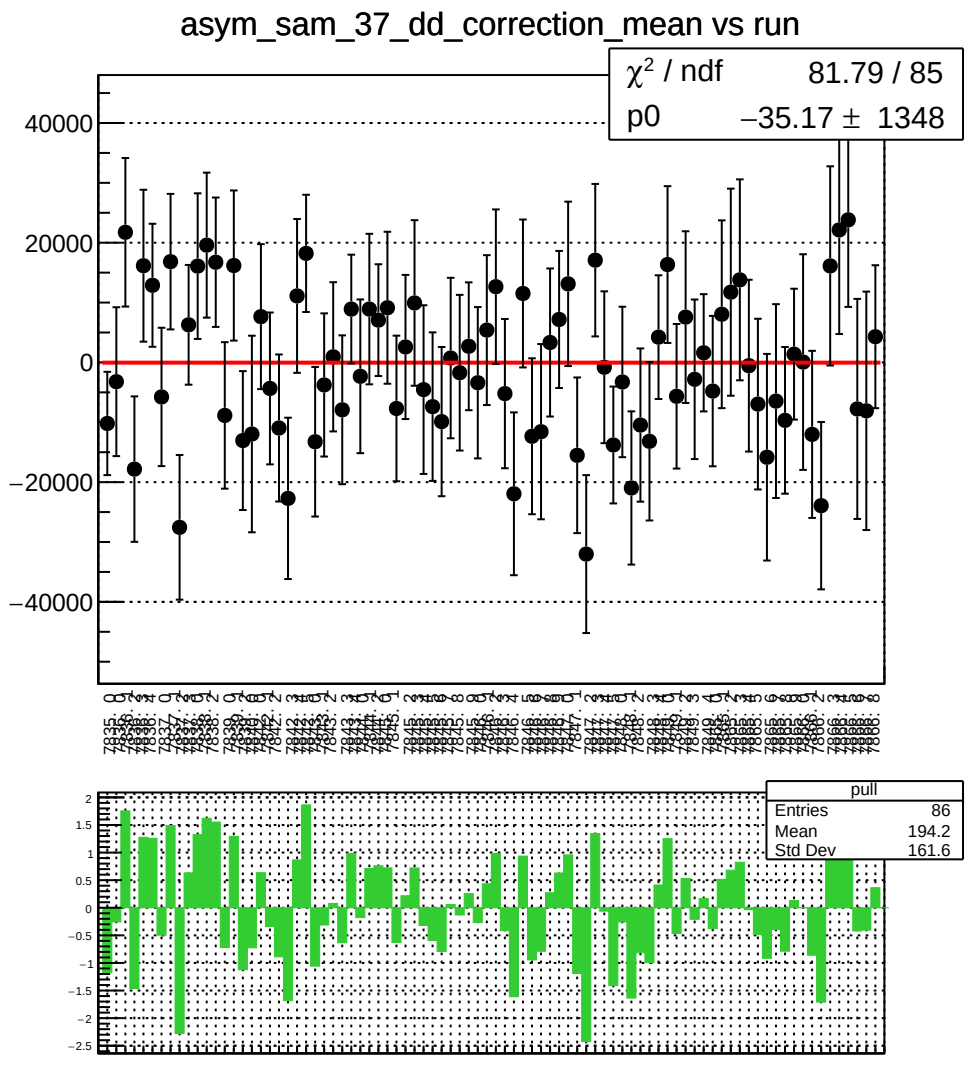

pull1D
Entries 86
Mean 0.01462
Std Dev 1
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

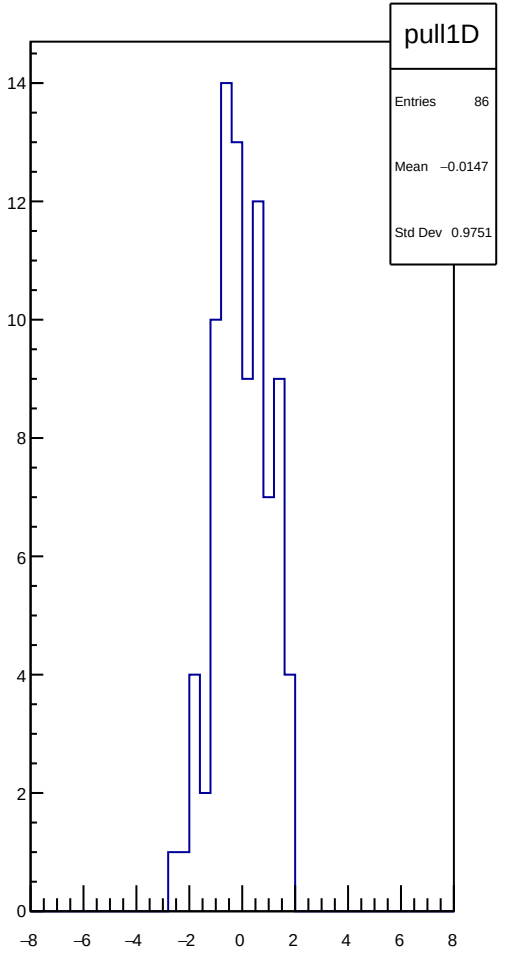

asym_sam_26_dd_rms vs run
χ² / ndf 1.856e+04 / 85
p0 4017 ± 3.117
6000
5500
5000
4500
4000
3500

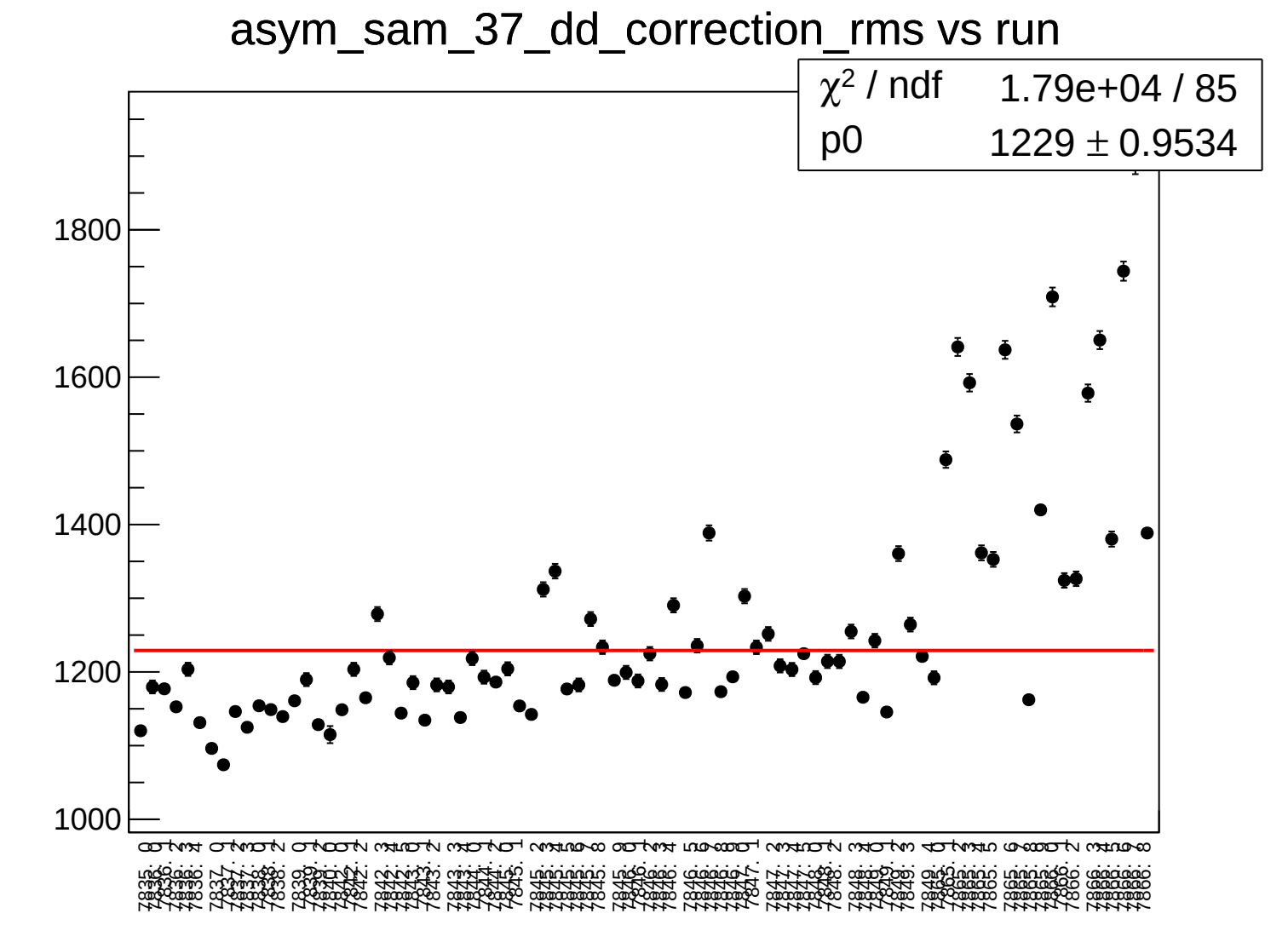

dit_asym_sam_37_dd_mean vs run
χ² / ndf 70.03 / 85
p0 227.9 ± 216.7
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 112.3
Std Dev 78.58
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

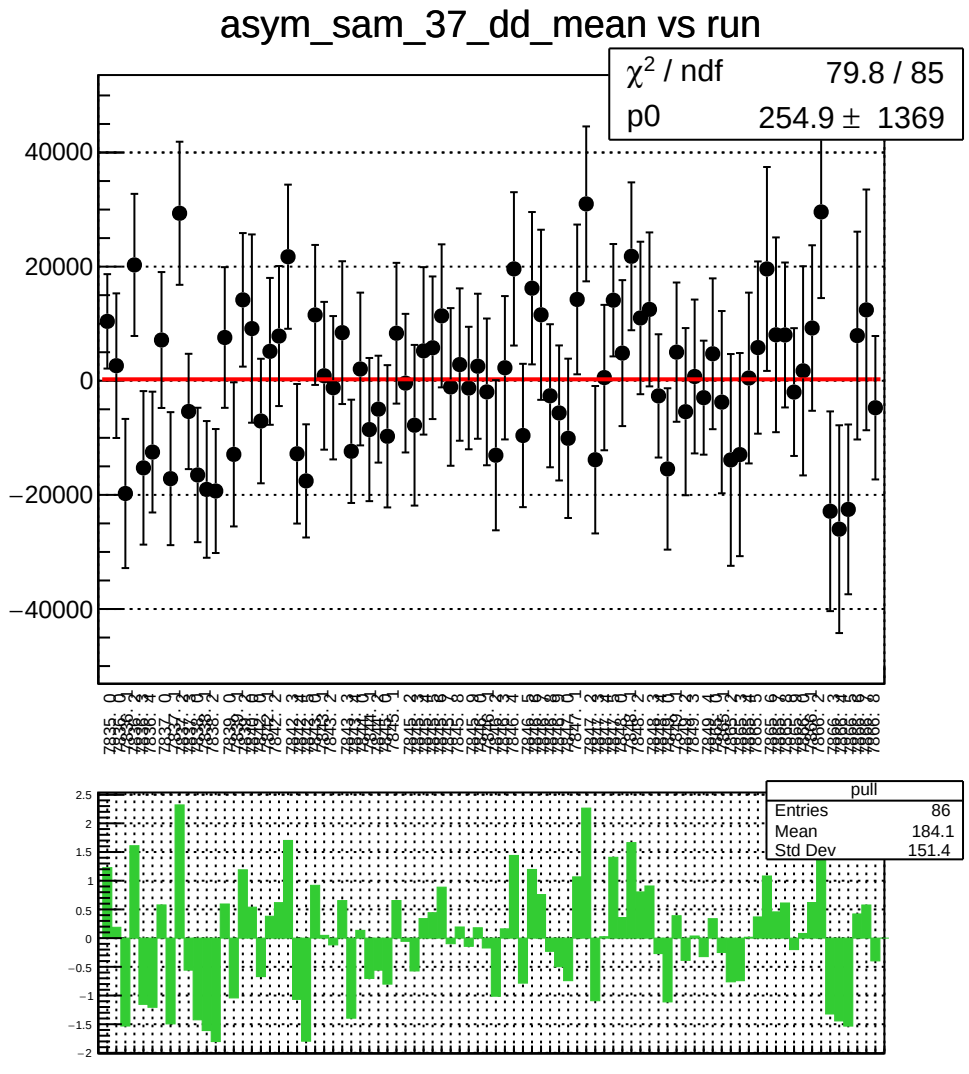

pull1D
Entries 86
Mean 0.003784
Std Dev 0.9024
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

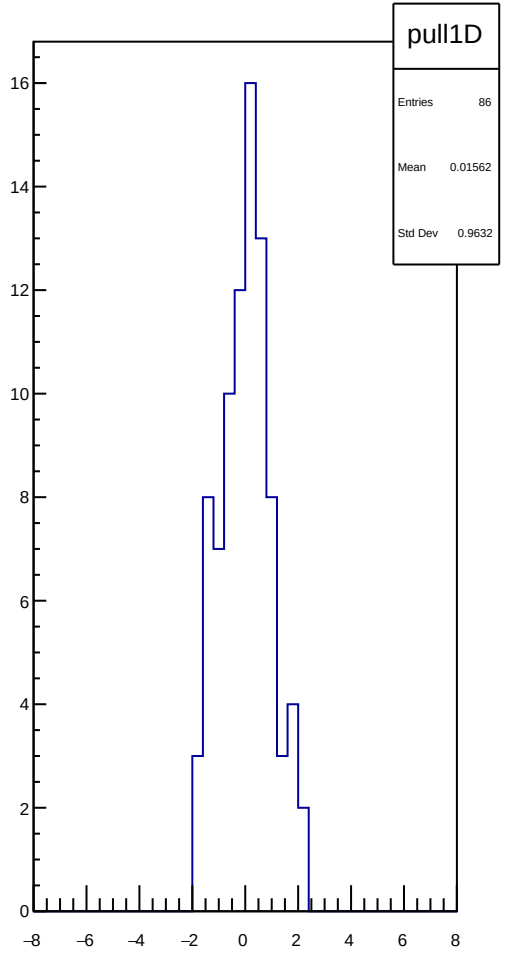

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 5.732e+04 / 85
p0 195.2 ± 0.1532
450
400
350
300
250
200
150

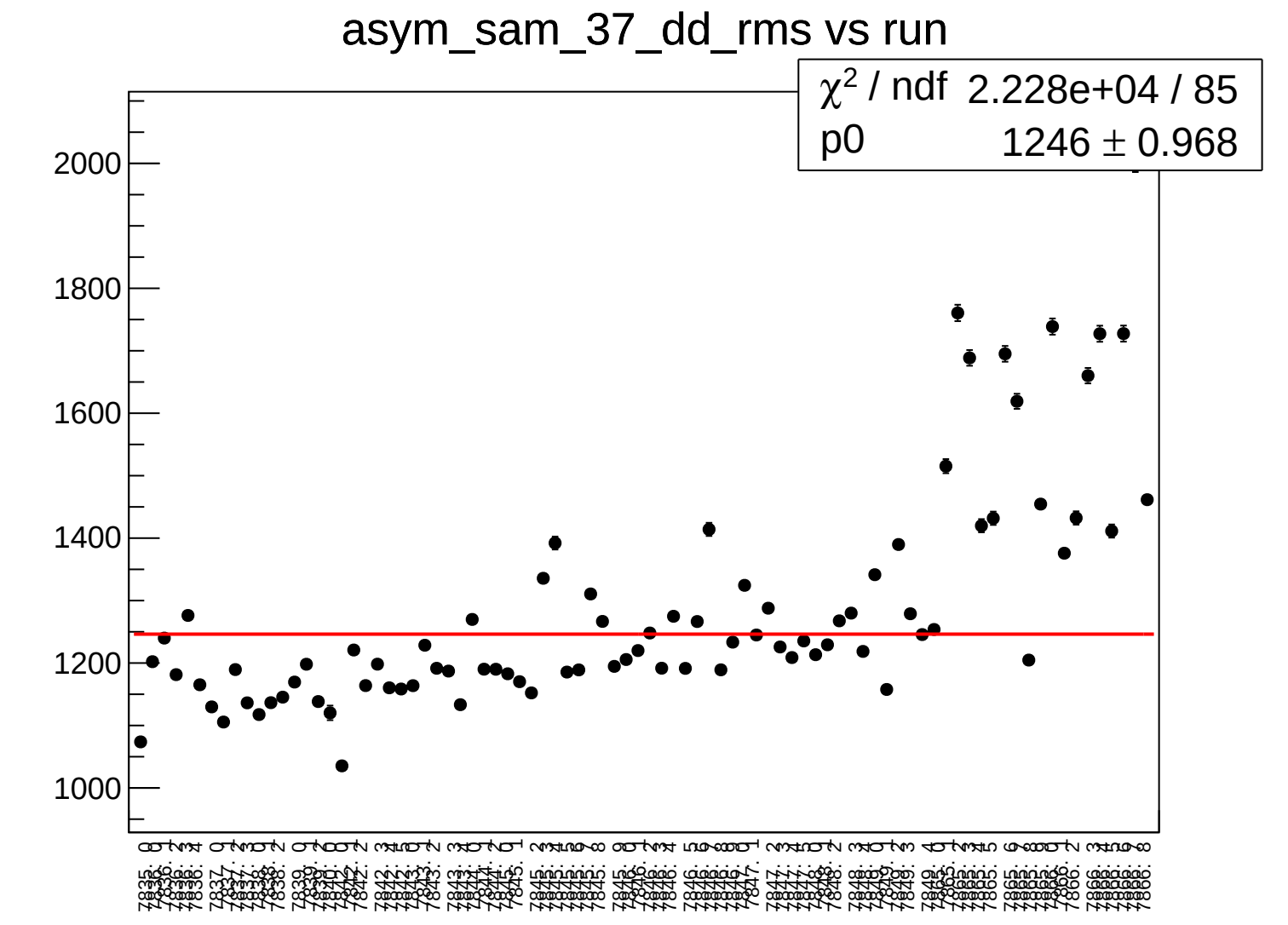

asym_sam_37_dd_correction_mean vs run
χ² / ndf 81.79 / 85
p0 −35.17 ± 1348
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 194.2
Std Dev 161.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

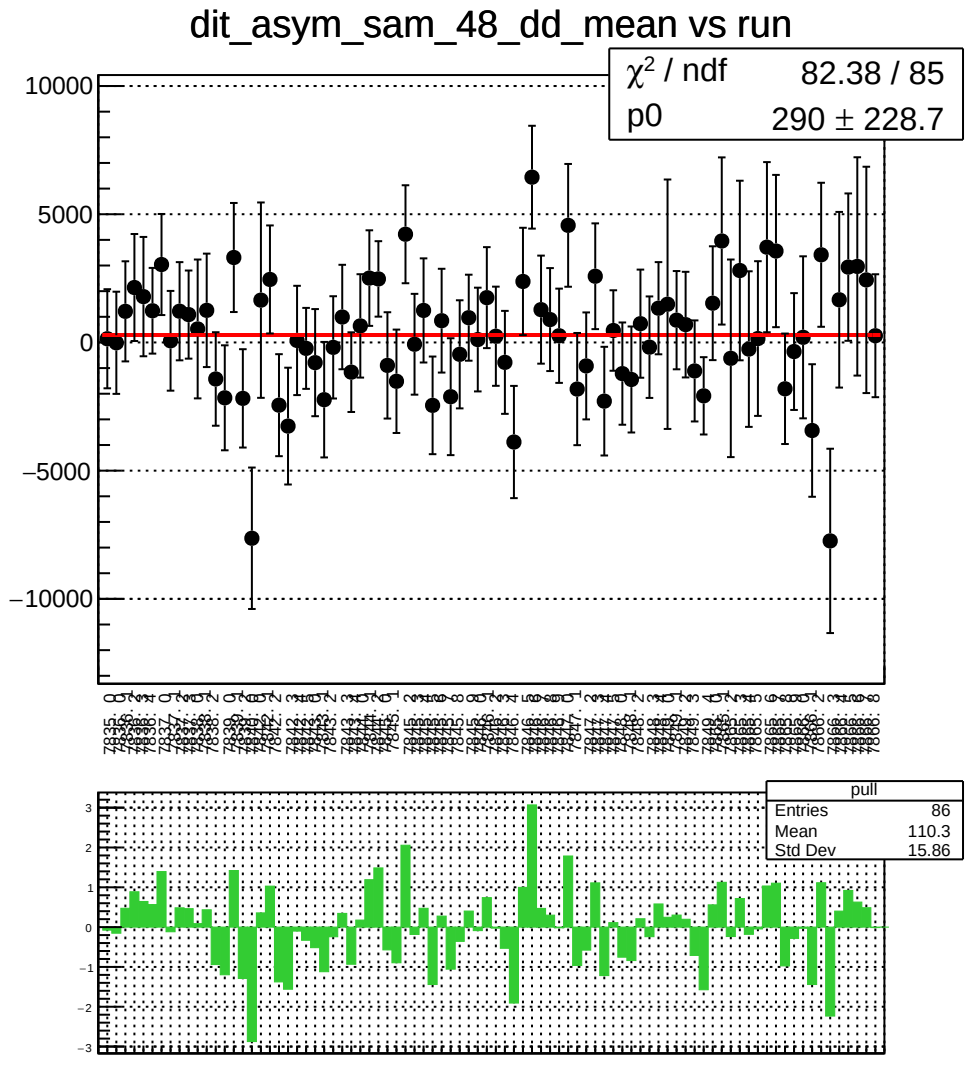

pull1D
Entries 86
Mean −0.0147
Std Dev 0.9751
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

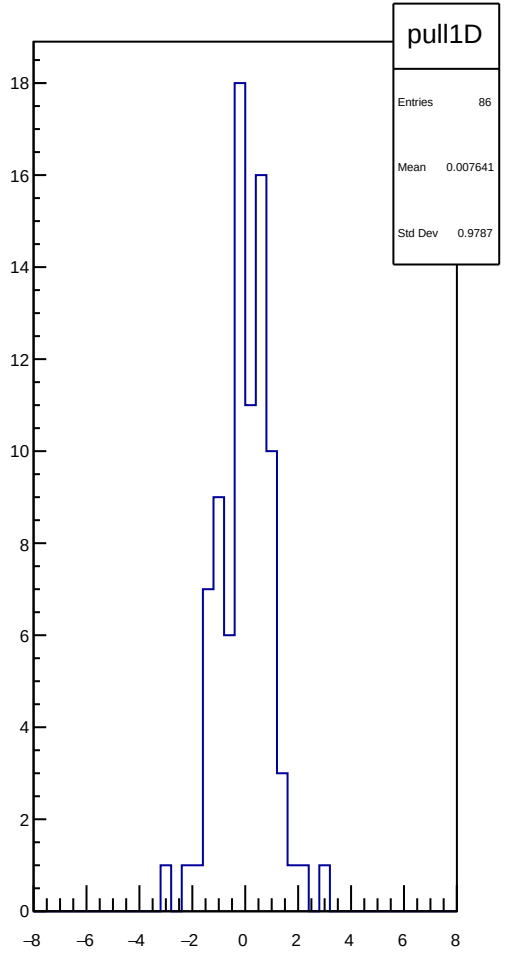

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1.79e+04 / 85
p0 1229 ± 0.9534
1800
1600
1400
1200
1000

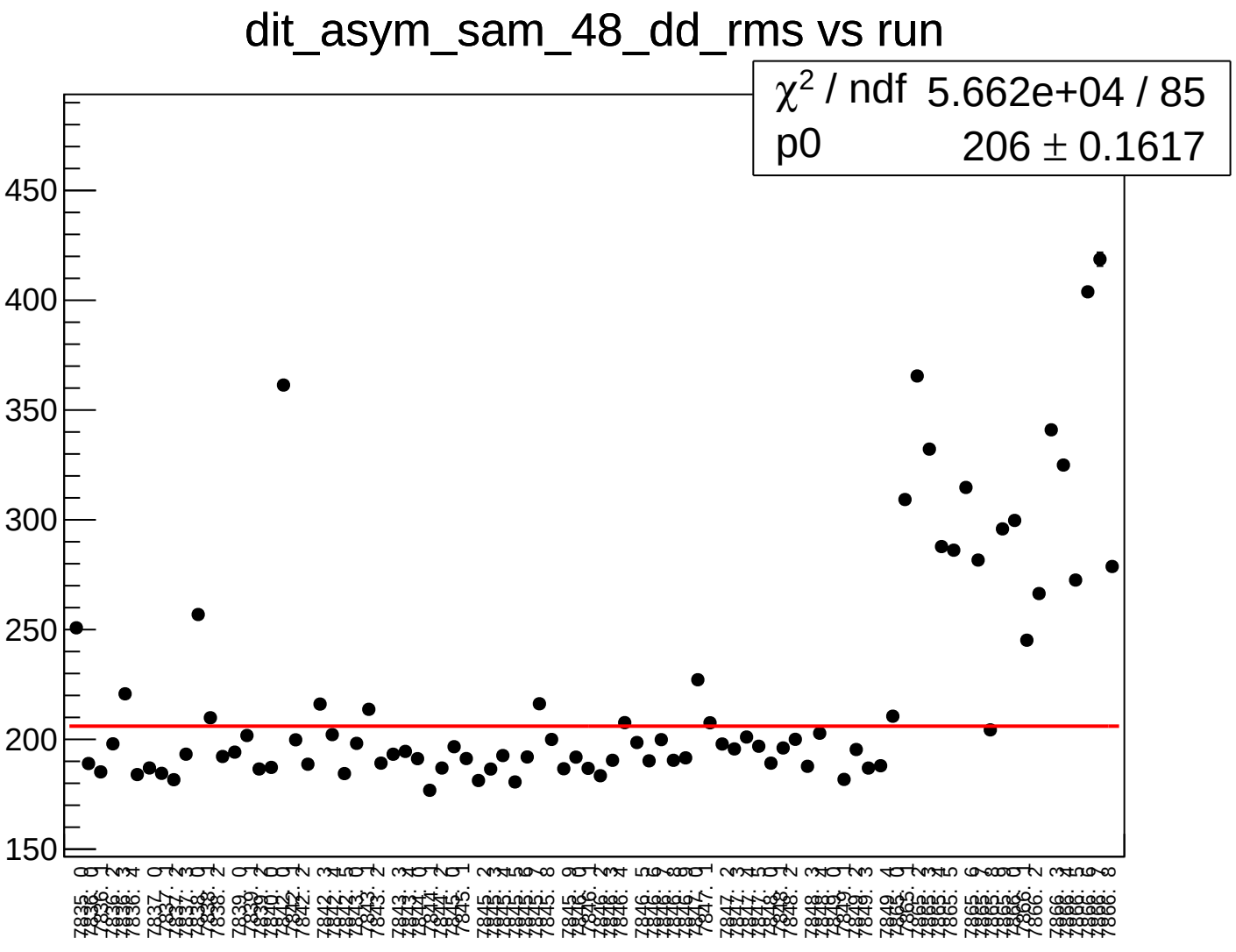

asym_sam_37_dd_mean vs run
χ² / ndf 79.8 / 85
p0 254.9 ± 1369
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 184.1
Std Dev 151.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

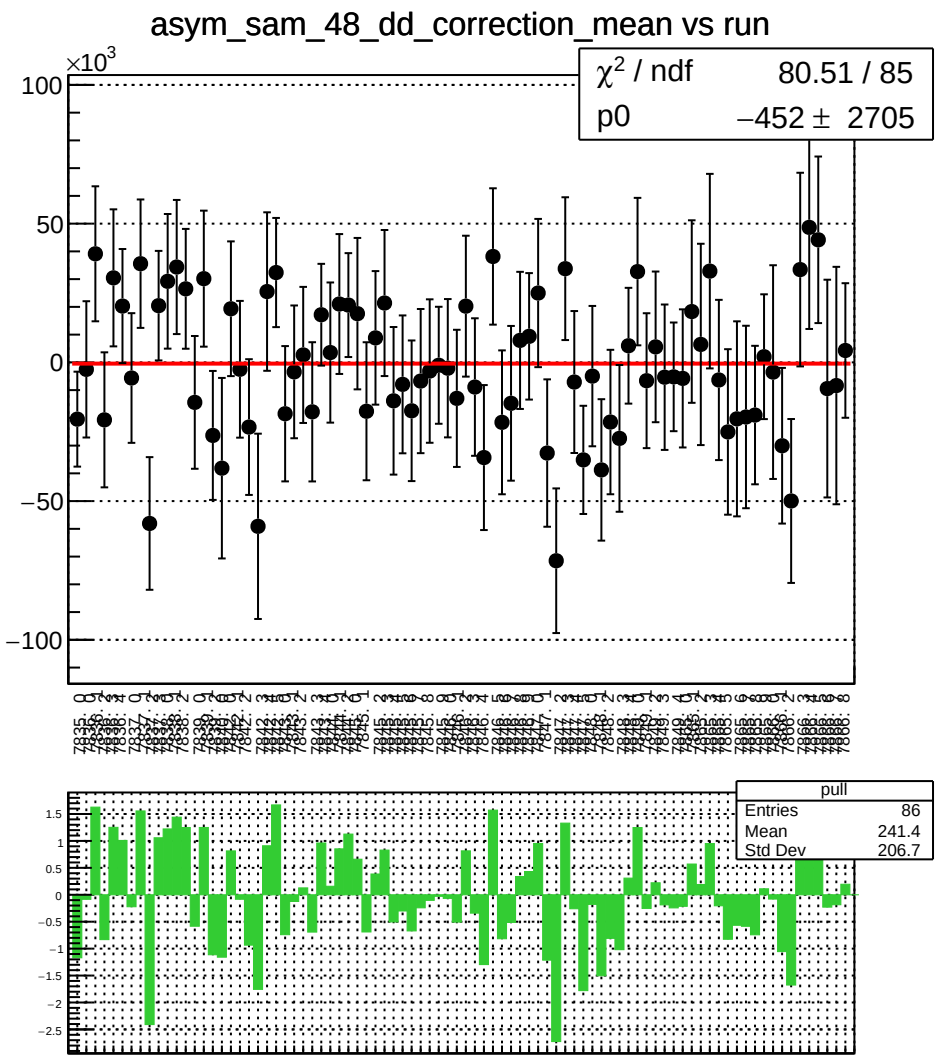

pull1D
Entries 86
Mean 0.01562
Std Dev 0.9632
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

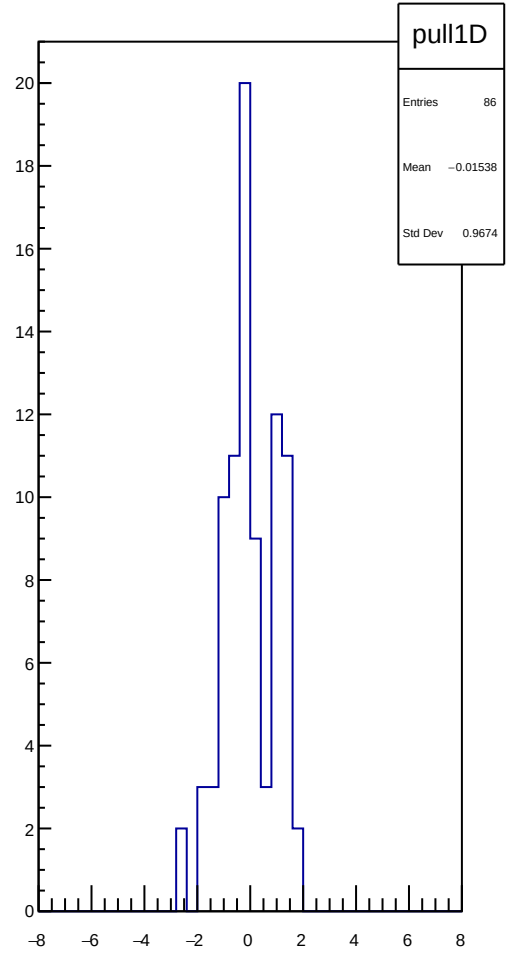

asym_sam_37_dd_rms vs run
χ² / ndf 2.228e+04 / 85
p0 1246 ± 0.968
2000
1800
1600
1400
1200
1000

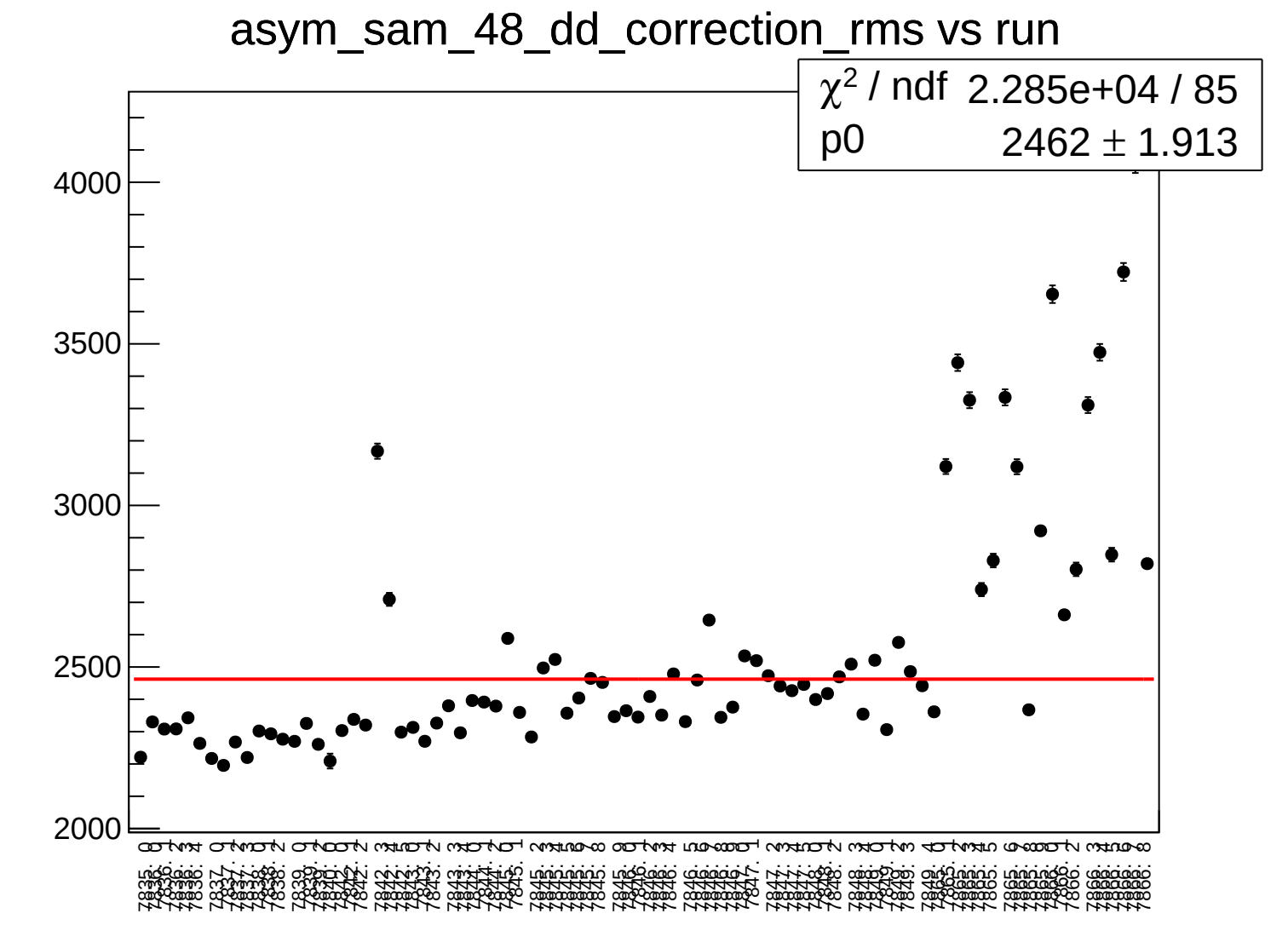

dit_asym_sam_48_dd_mean vs run
χ² / ndf 82.38 / 85
p0 290 ± 228.7
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 110.3
Std Dev 15.86
3
2
1
0
−1
−2
−3

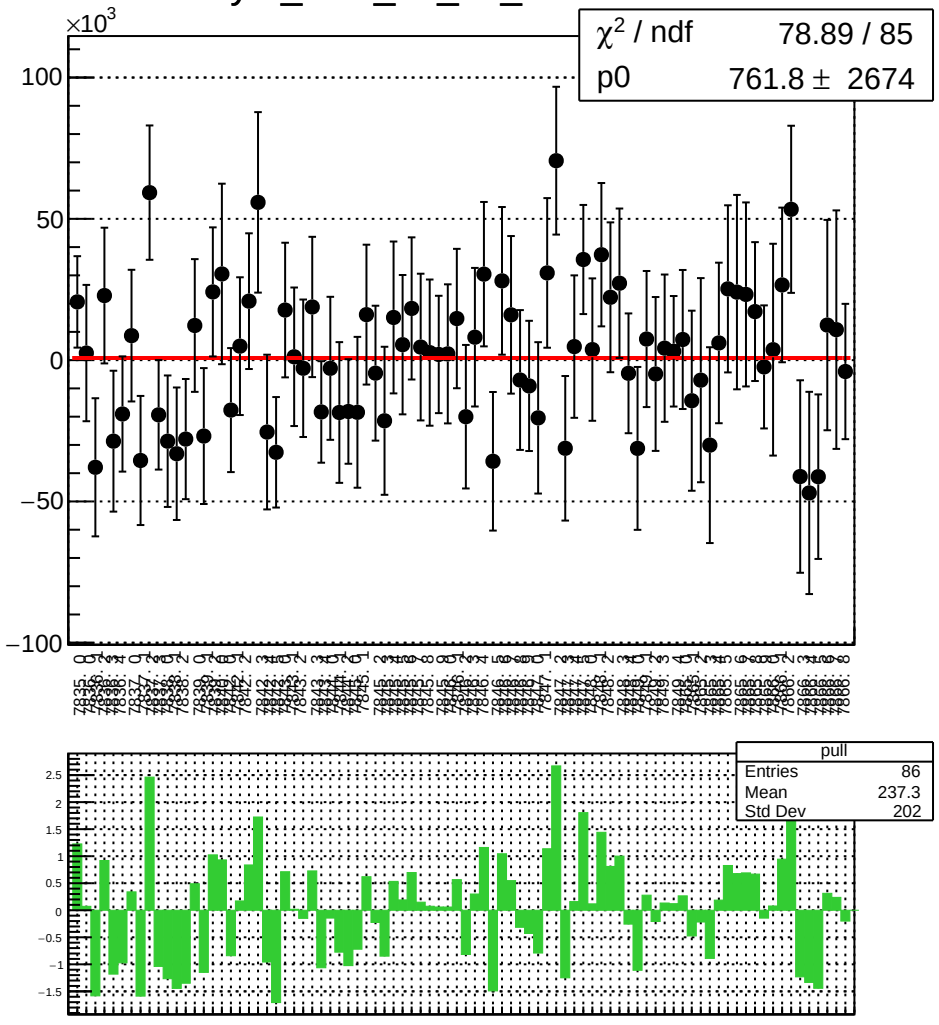

pull1D
Entries 86
Mean 0.007641
Std Dev 0.9787
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

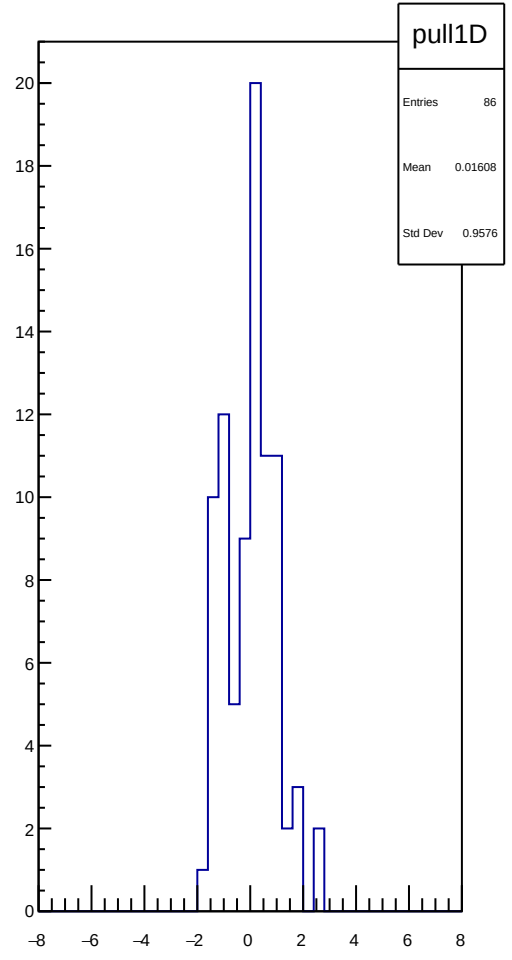

dit_asym_sam_48_dd_rms vs run
χ² / ndf 5.662e+04 / 85
p0 206 ± 0.1617
450
400
350
300
250
200
150

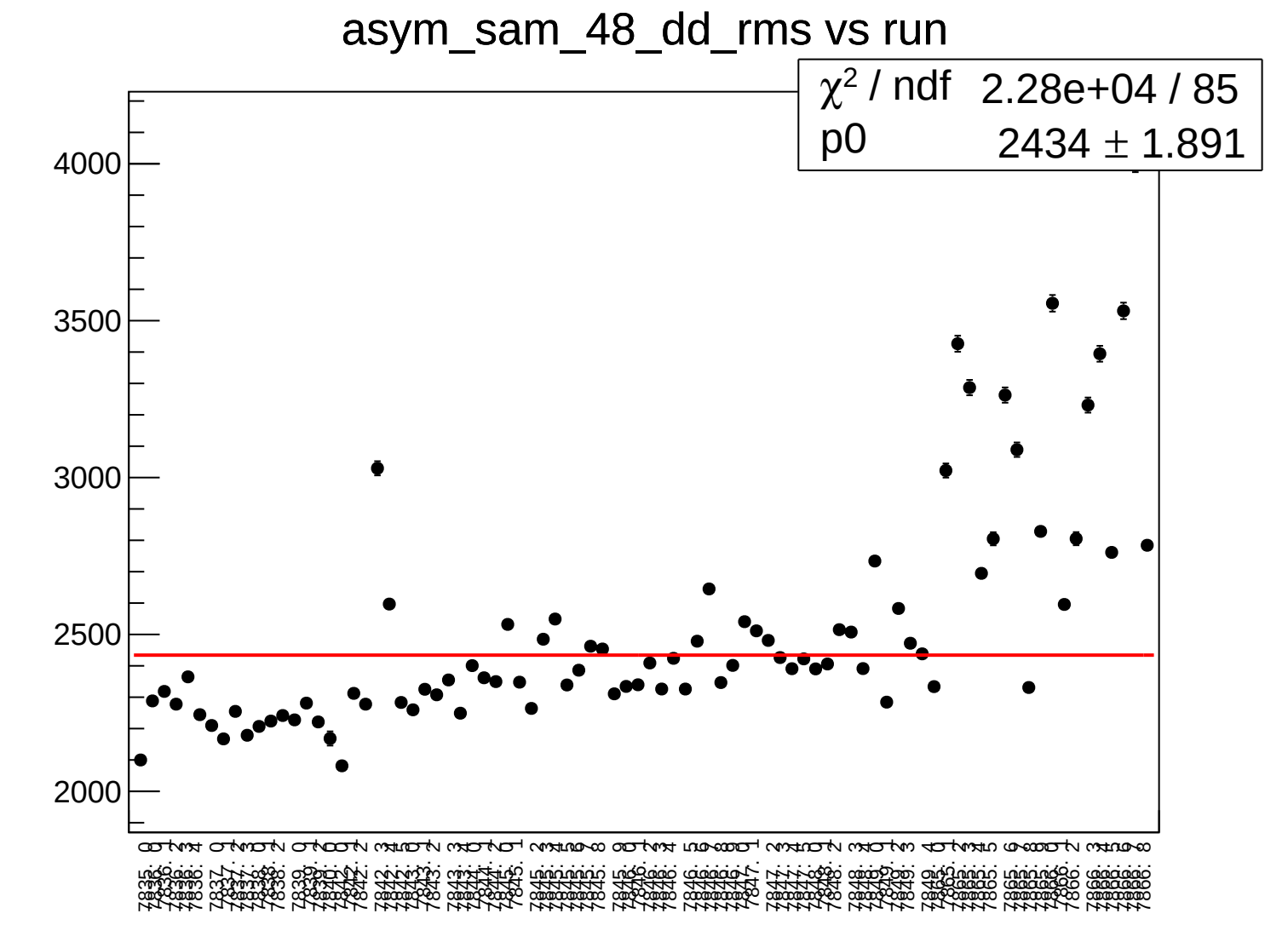

asym_sam_48_dd_correction_mean vs run
×10^3
χ² / ndf 80.51 / 85
p0 −452 ± 2705
100
50
0
−50
−100
pull
Entries 86
Mean 241.4
Std Dev 206.7
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

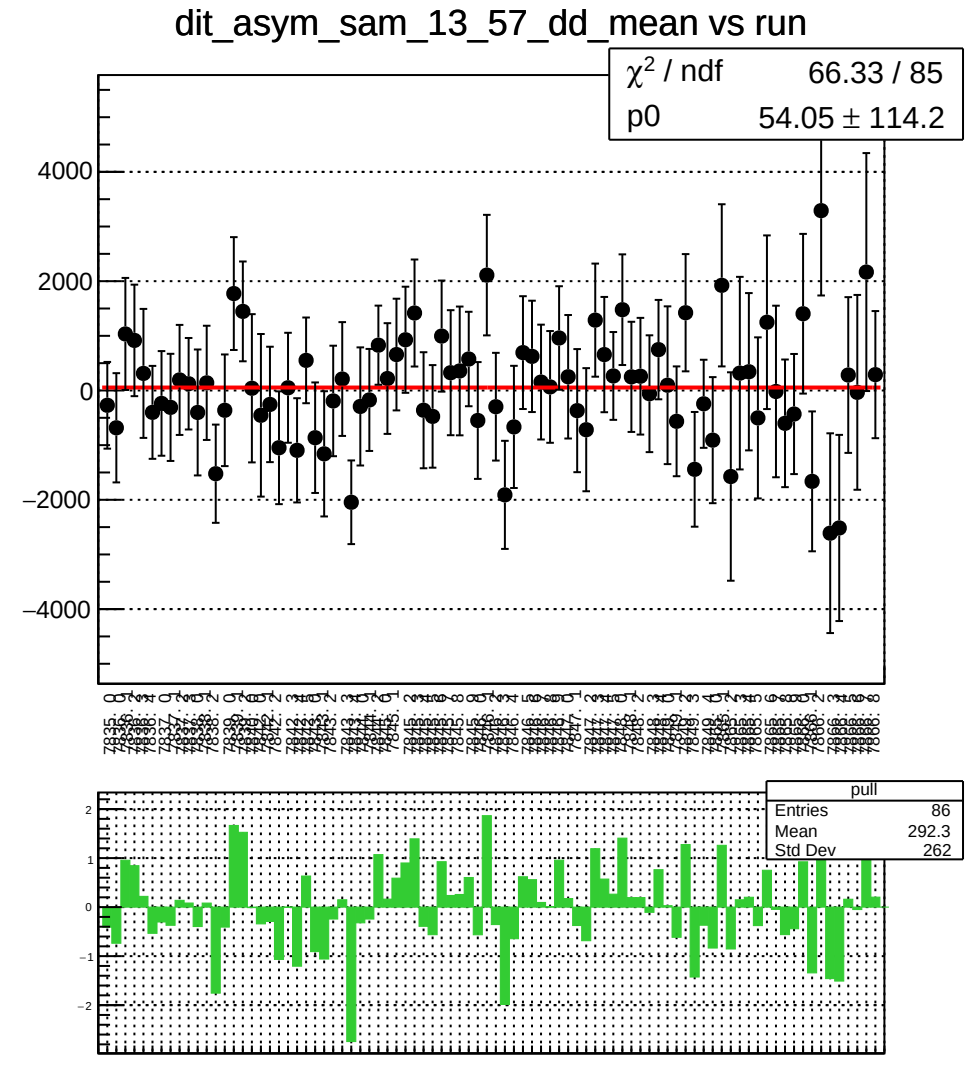

pull1D
Entries 86
Mean −0.01538
Std Dev 0.9674
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

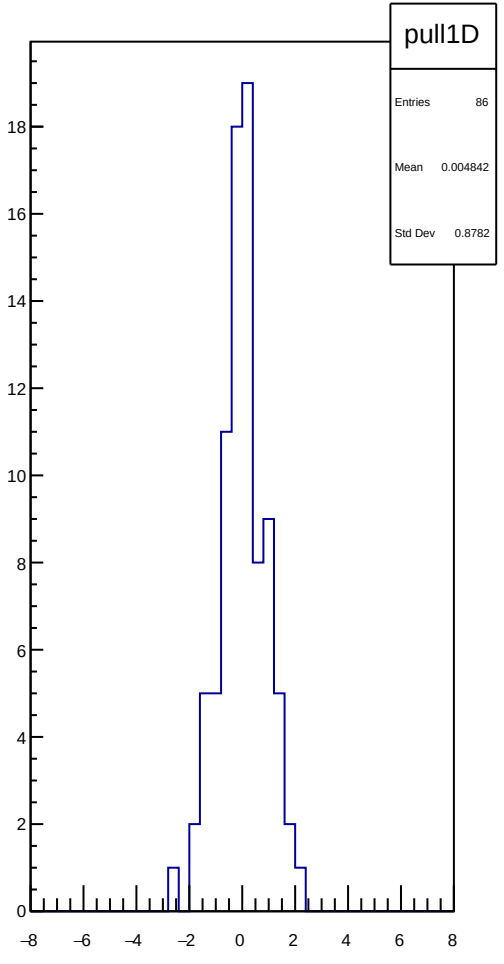

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2.285e+04 / 85
p0 2462 ± 1.913
4000
3500
3000
2500
2000

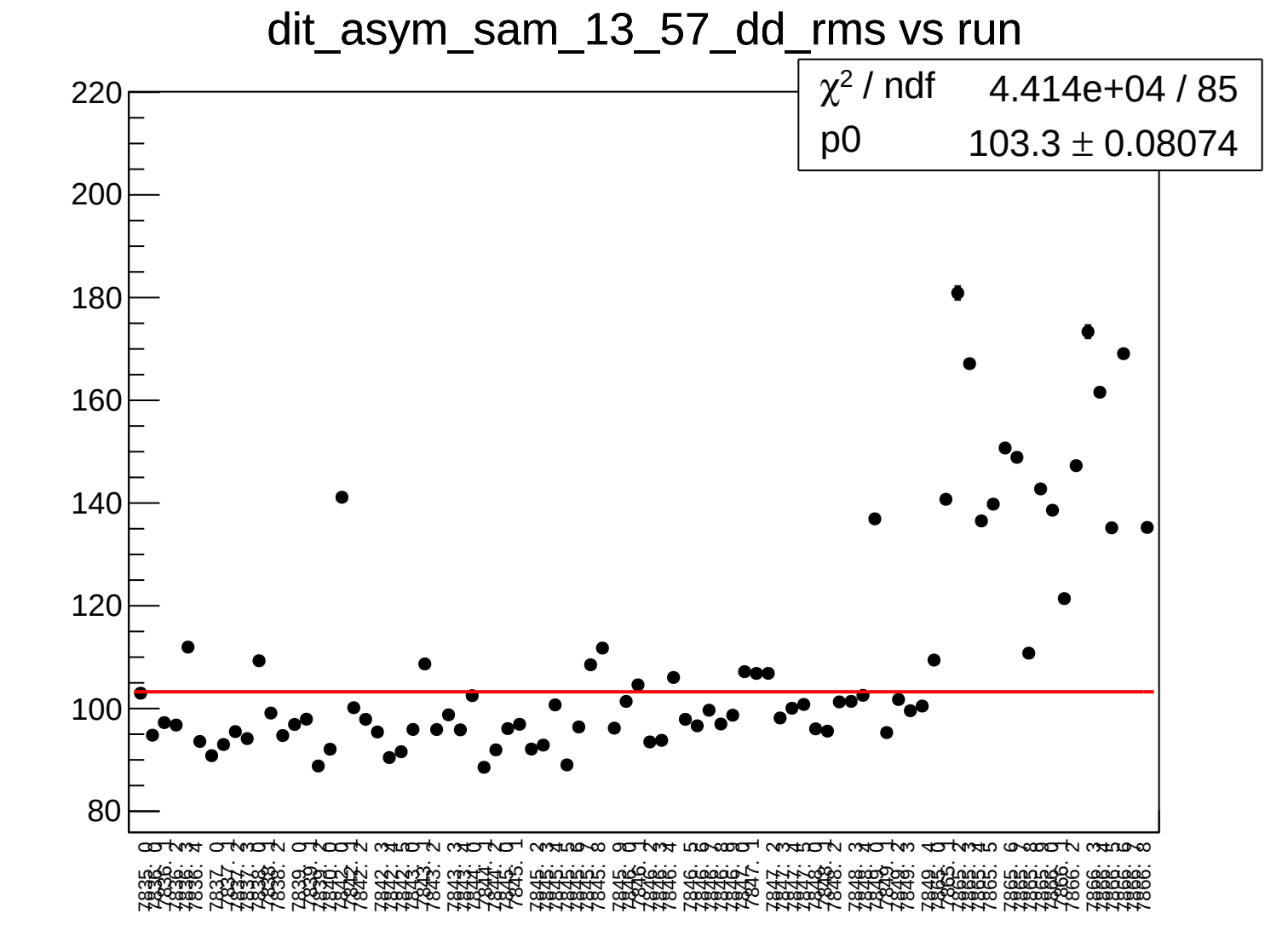

asym_sam_48_dd_mean vs run
×10^3
χ² / ndf 78.89 / 85
p0 761.8 ± 2674
pull
Entries 86
Mean 237.3
Std Dev 202

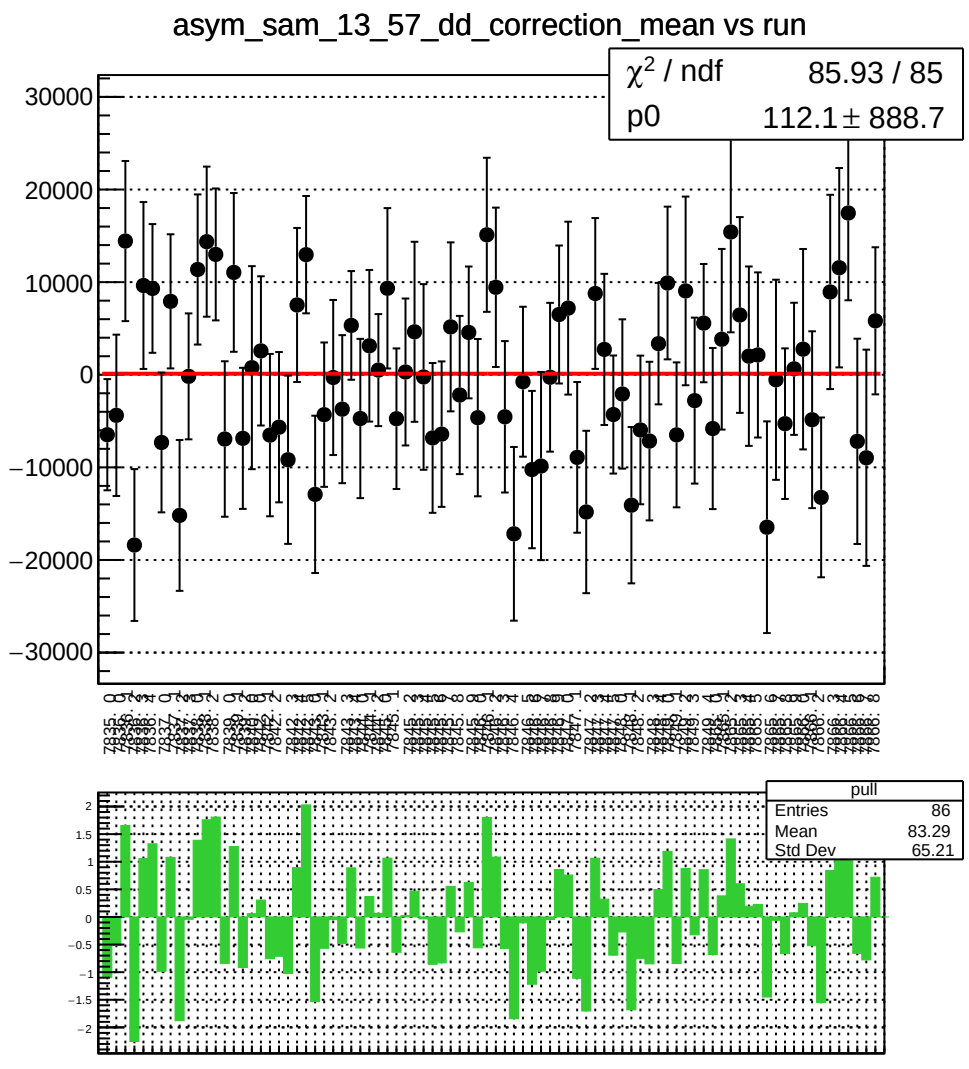

pull1D
Entries 86
Mean 0.01608
Std Dev 0.9576

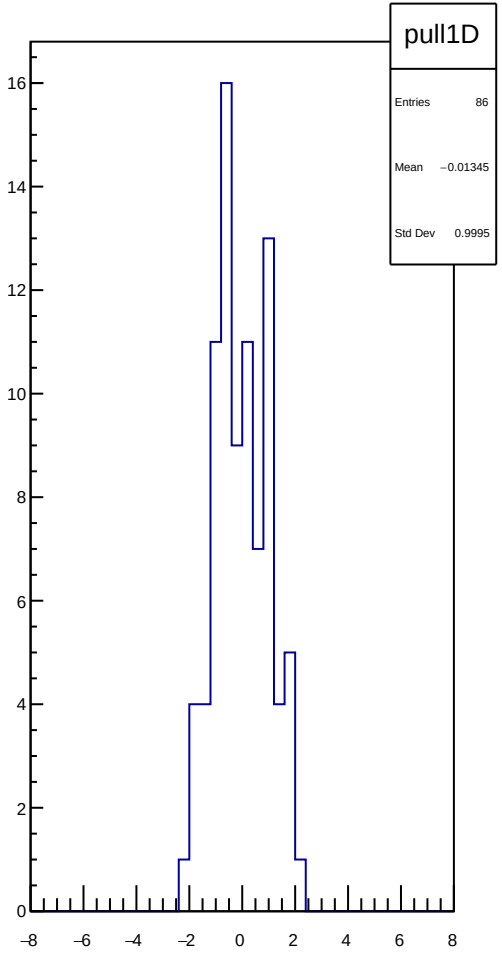

asym_sam_48_dd_rms vs run
χ² / ndf 2.28e+04 / 85
p0 2434 ± 1.891
4000
3500
3000
2500
2000

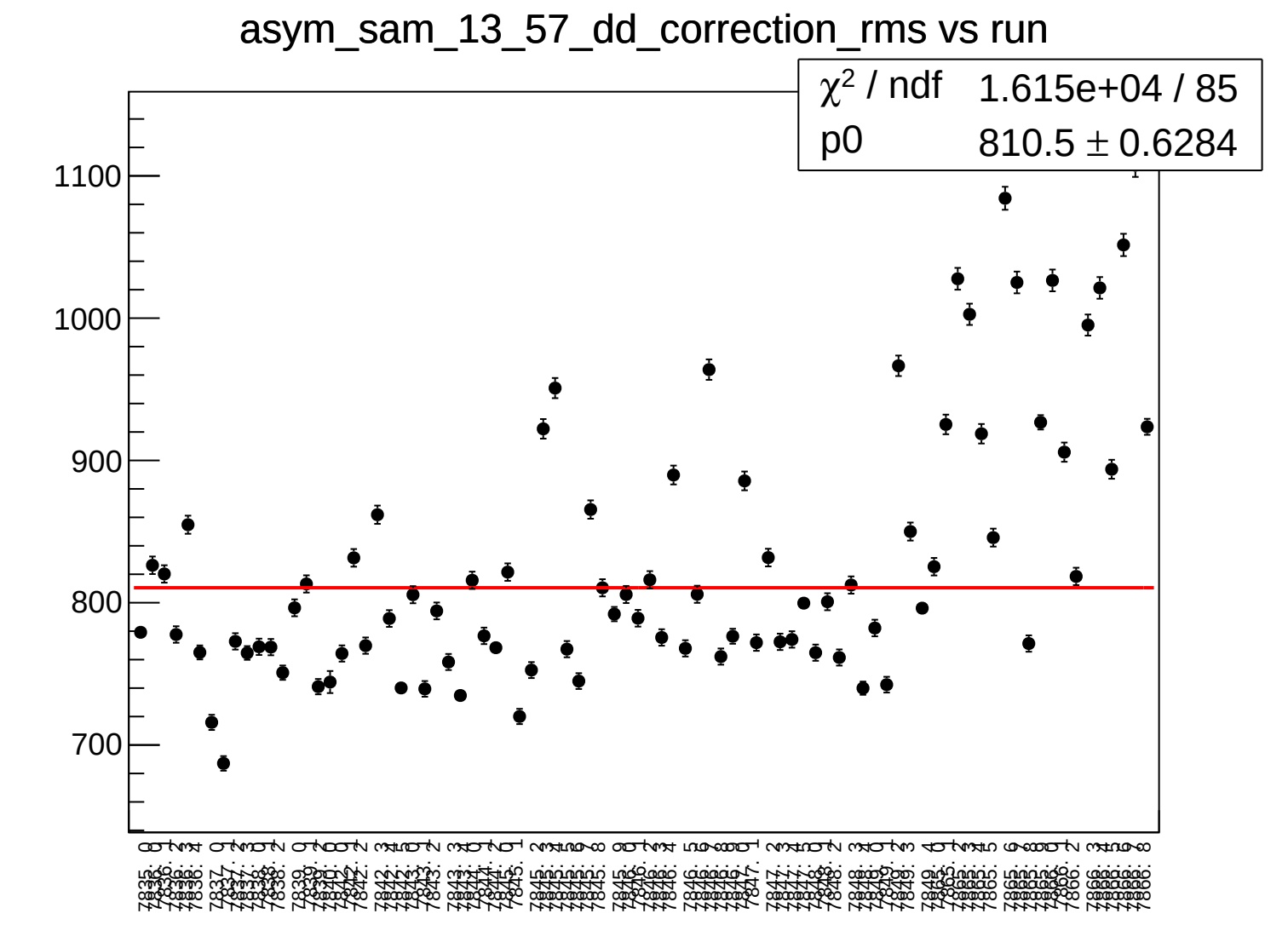

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 66.33 / 85
p0 54.05 ± 114.2
4000
2000
0
−2000
−4000
pull
Entries 86
Mean 292.3
Std Dev 262
2
1
0
−1
−2

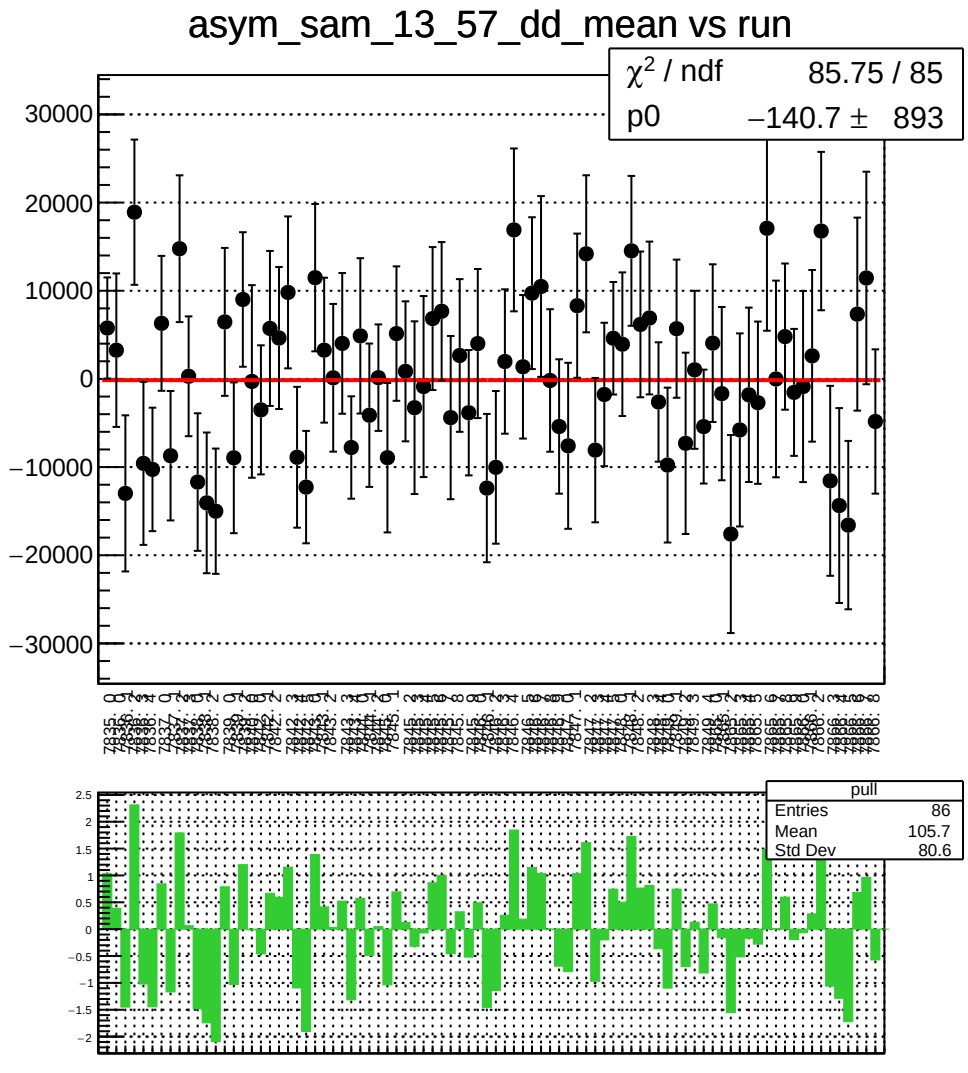

pull1D
Entries 86
Mean 0.004842
Std Dev 0.8782
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

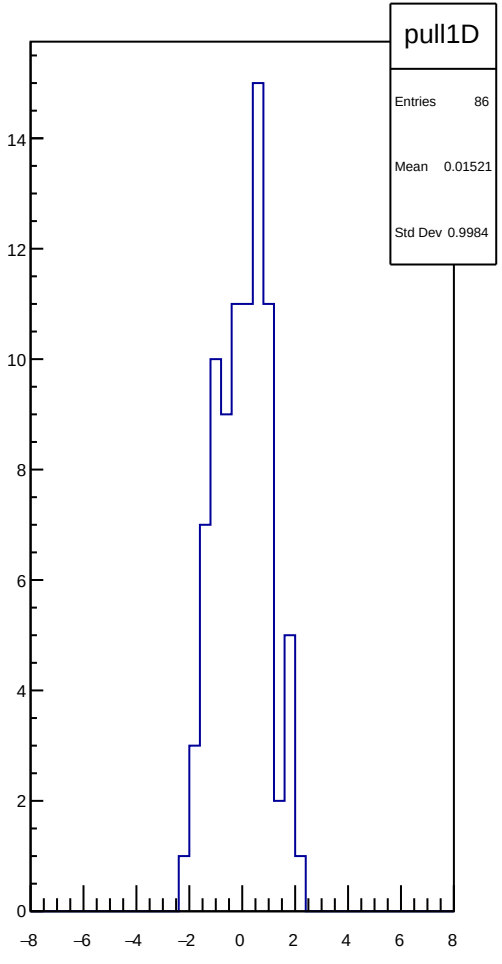

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 4.414e+04 / 85
p0 103.3 ± 0.08074
220
200
180
160
140
120
100
80

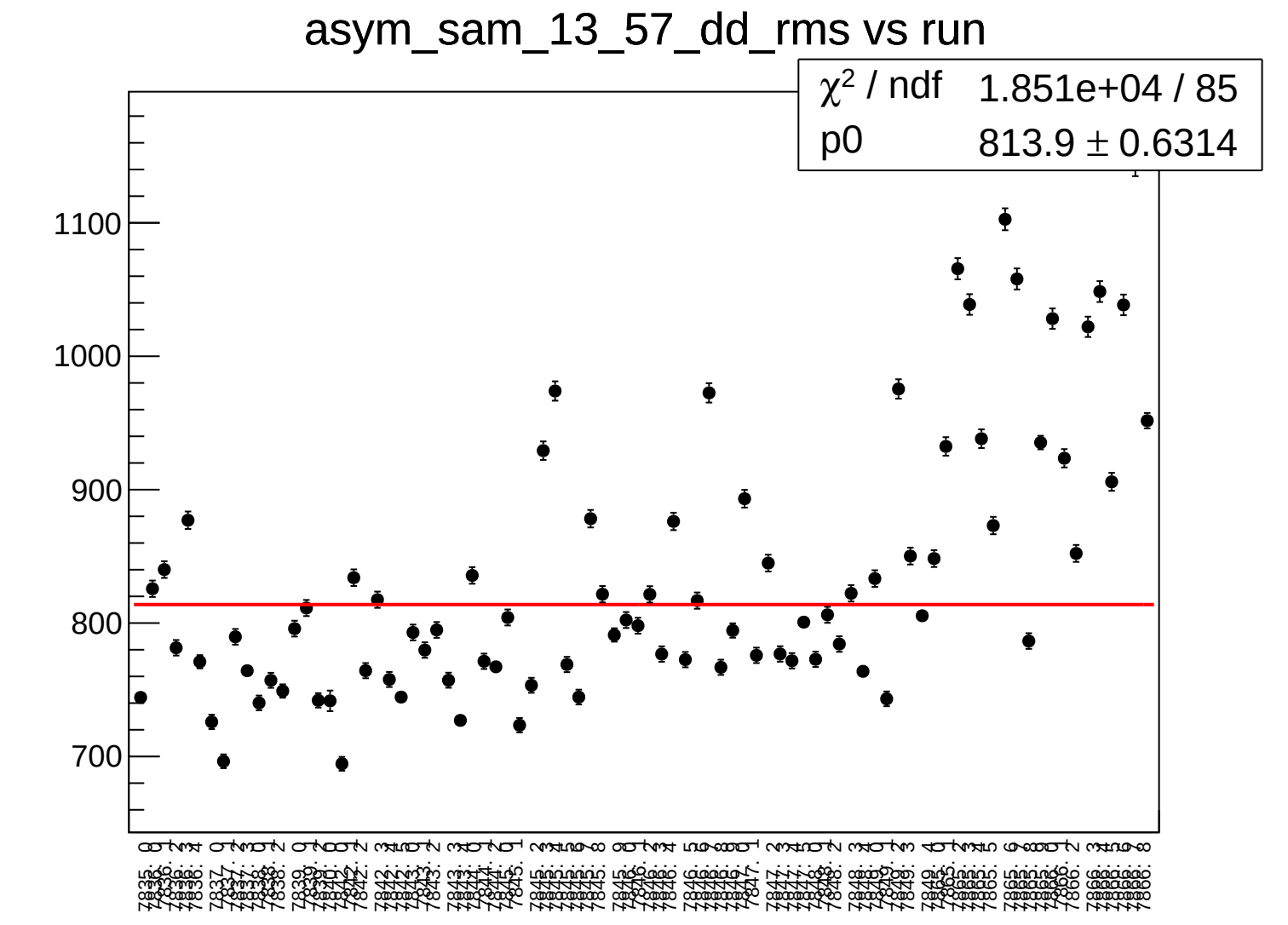

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 85.93 / 85
p0 112.1 ± 888.7
pull
Entries 86
Mean 83.29
Std Dev 65.21

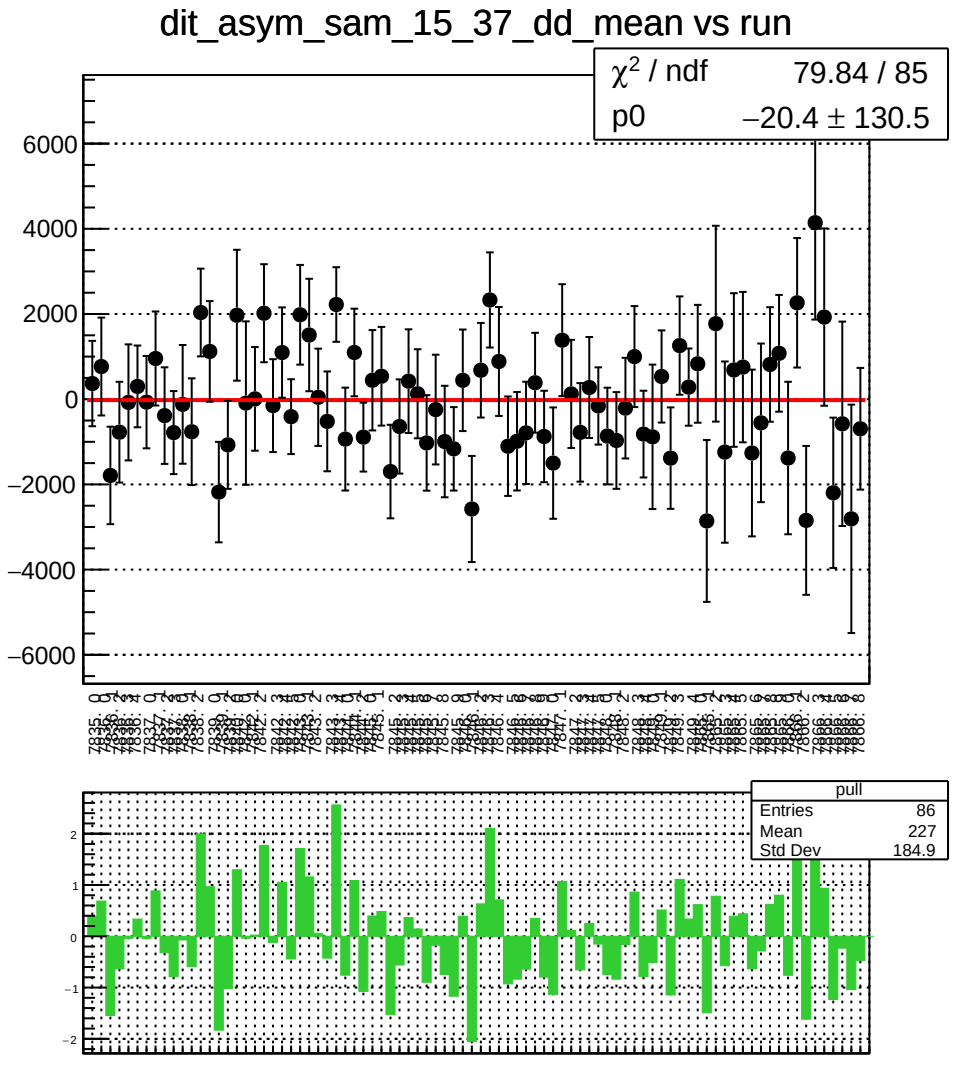

pull1D
Entries 86
Mean −0.01345
Std Dev 0.9995

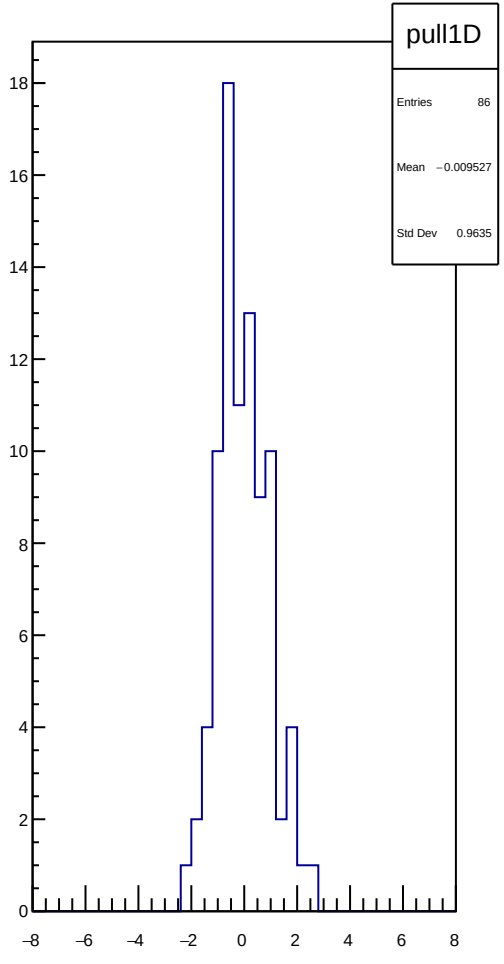

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 1.615e+04 / 85
p0 810.5 ± 0.6284
1100
1000
900
800
700

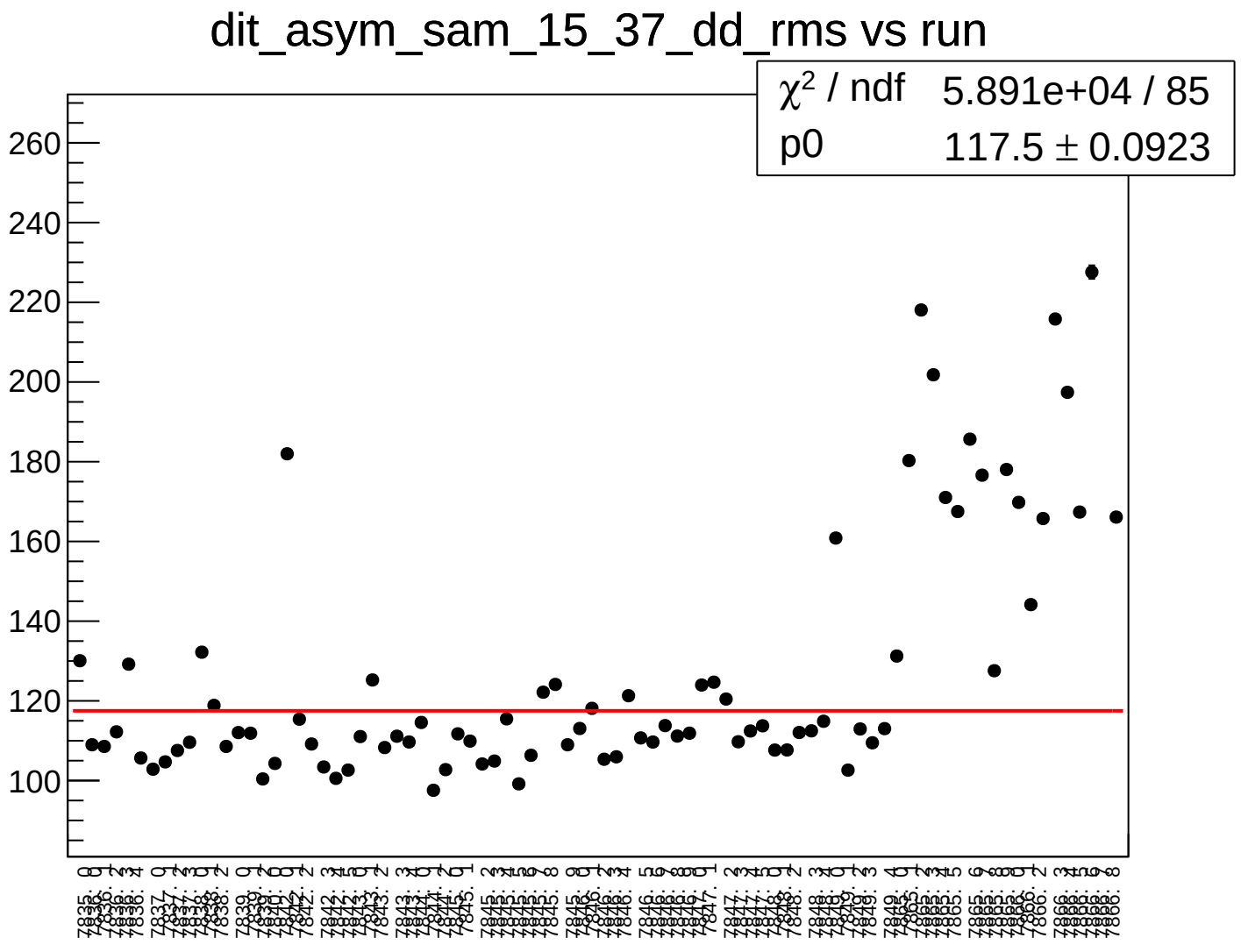

asym_sam_13_57_dd_mean vs run
χ² / ndf 85.75 / 85
p0 −140.7 ± 893
pull
Entries 86
Mean 105.7
Std Dev 80.6

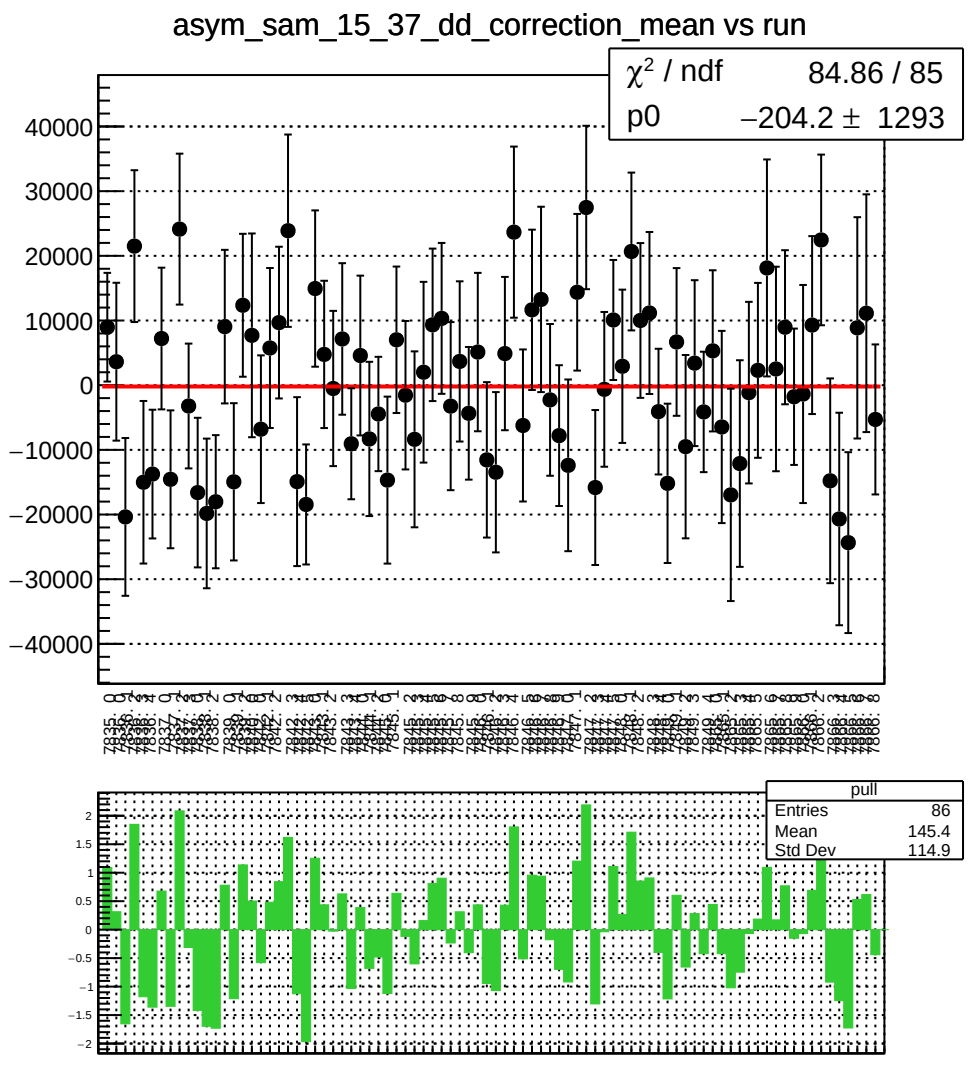

pull1D
Entries 86
Mean 0.01521
Std Dev 0.9984

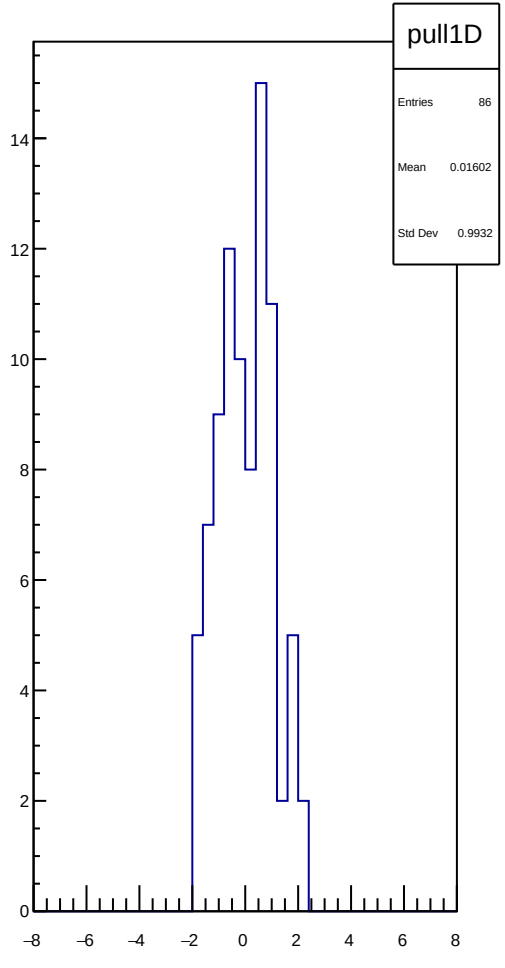

asym_sam_13_57_dd_rms vs run
χ² / ndf 1.851e+04 / 85
p0 813.9 ± 0.6314
1100
1000
900
800
700

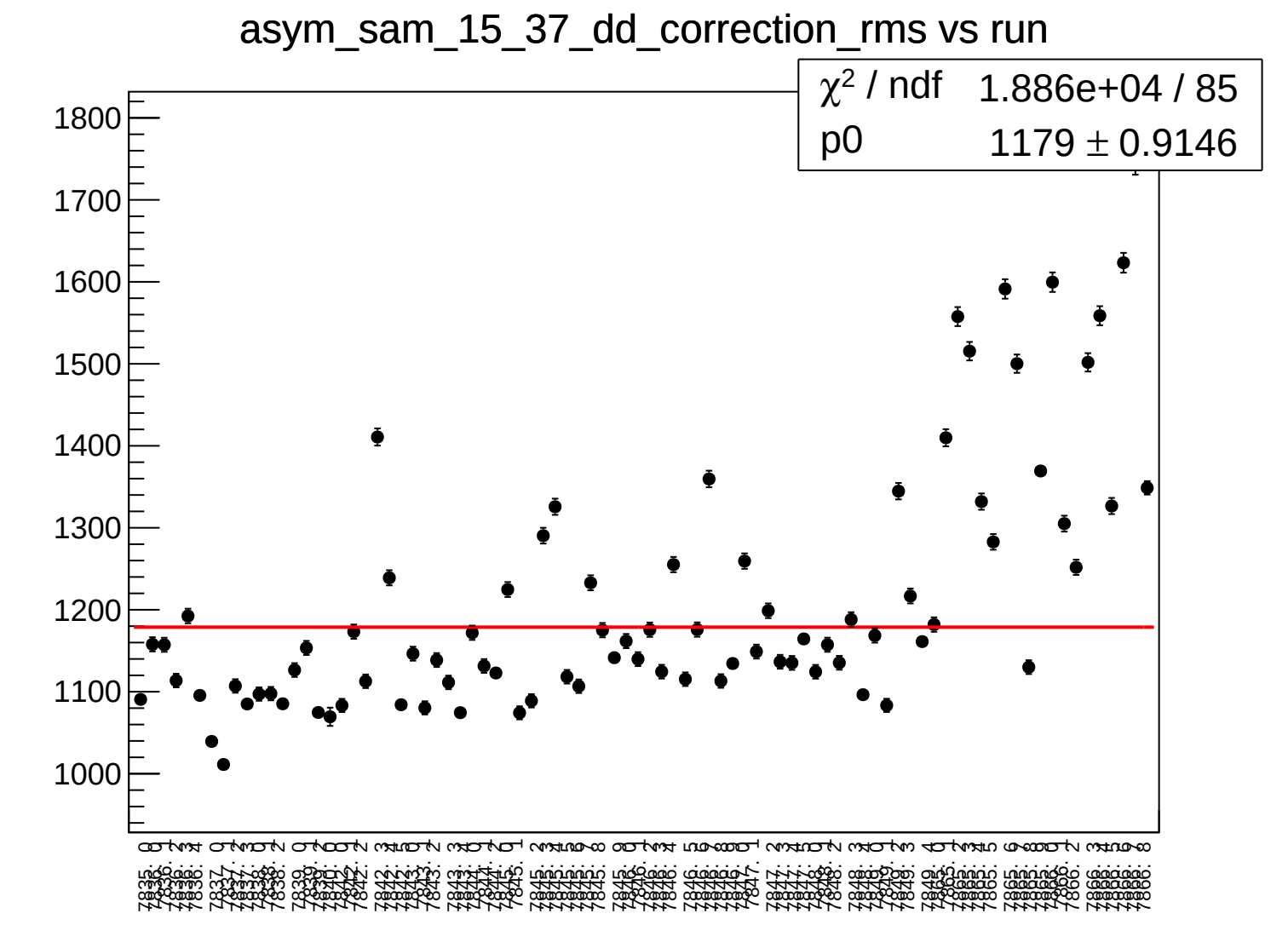

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 79.84 / 85
p0 −20.4 ± 130.5
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 227
Std Dev 184.9
2
1
0
−1
−2

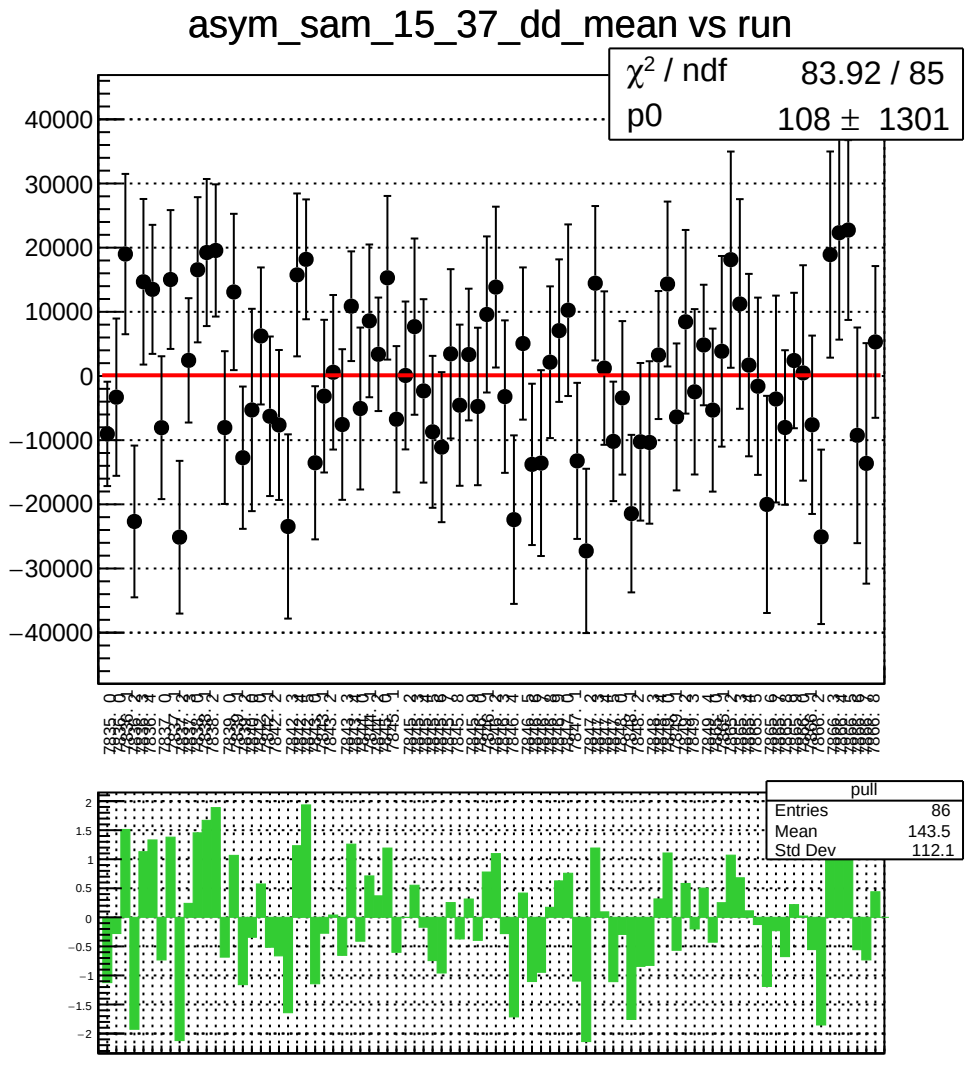

pull1D
Entries 86
Mean −0.009527
Std Dev 0.9635
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

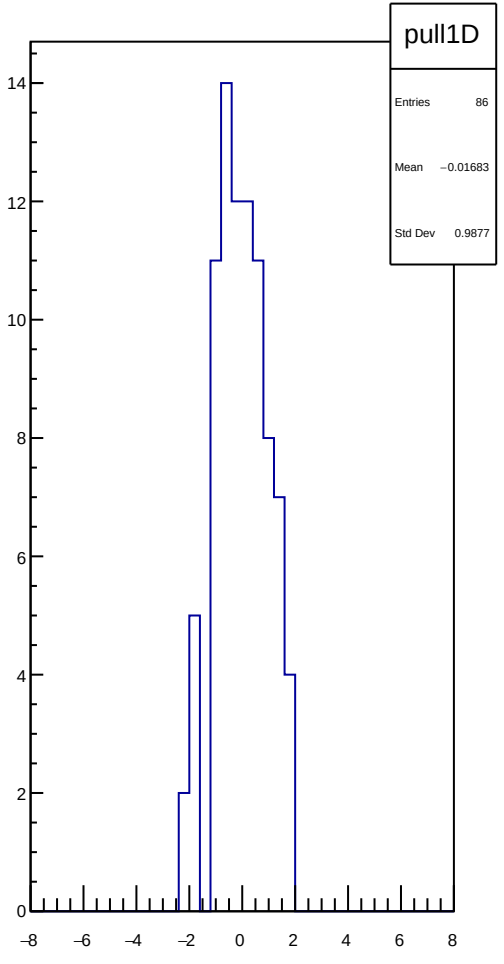

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 5.891e+04 / 85
p0 117.5 ± 0.0923
260
240
220
200
180
160
140
120
100

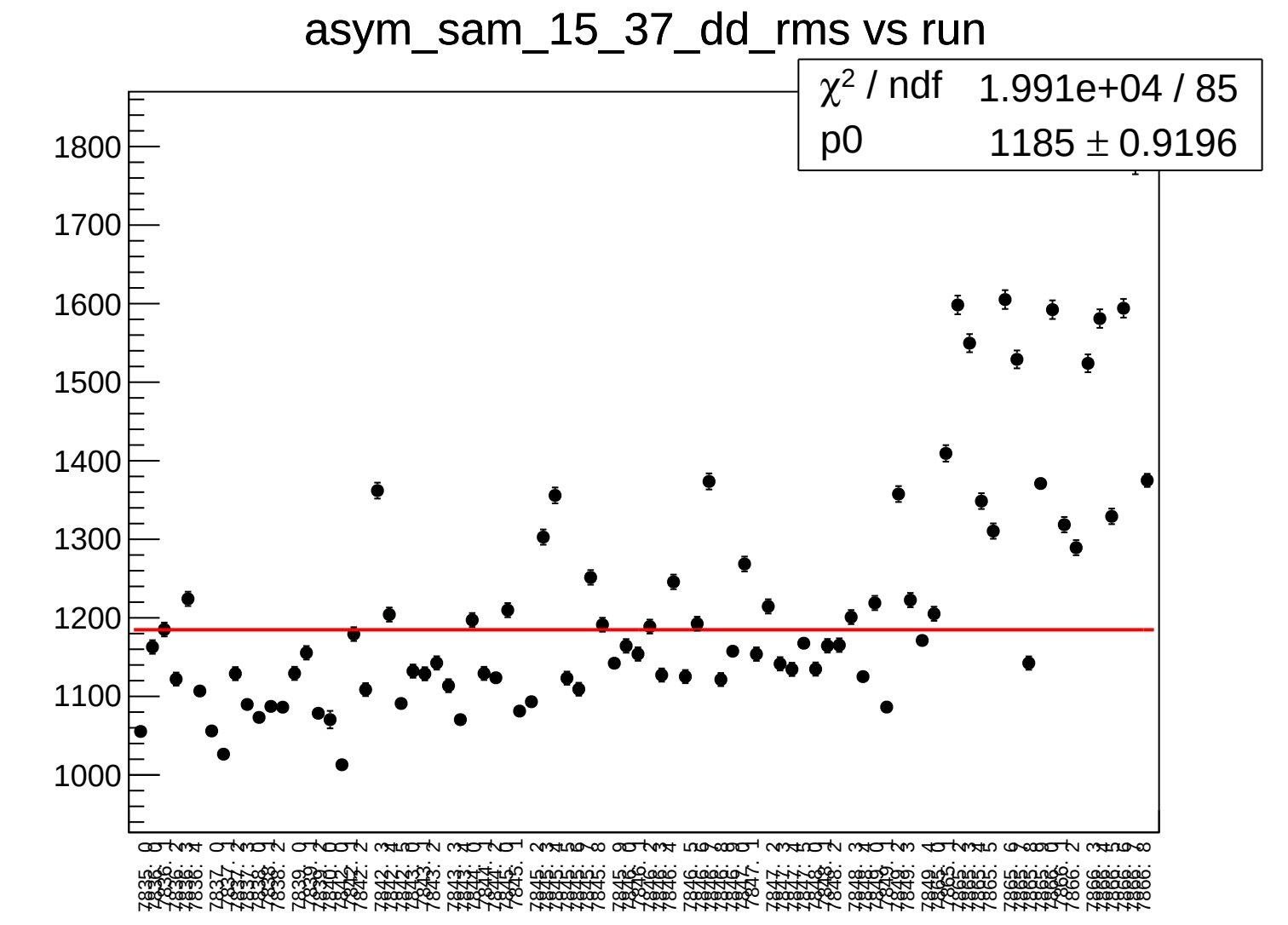

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 84.86 / 85
p0 −204.2 ± 1293
pull
Entries 86
Mean 145.4
Std Dev 114.9

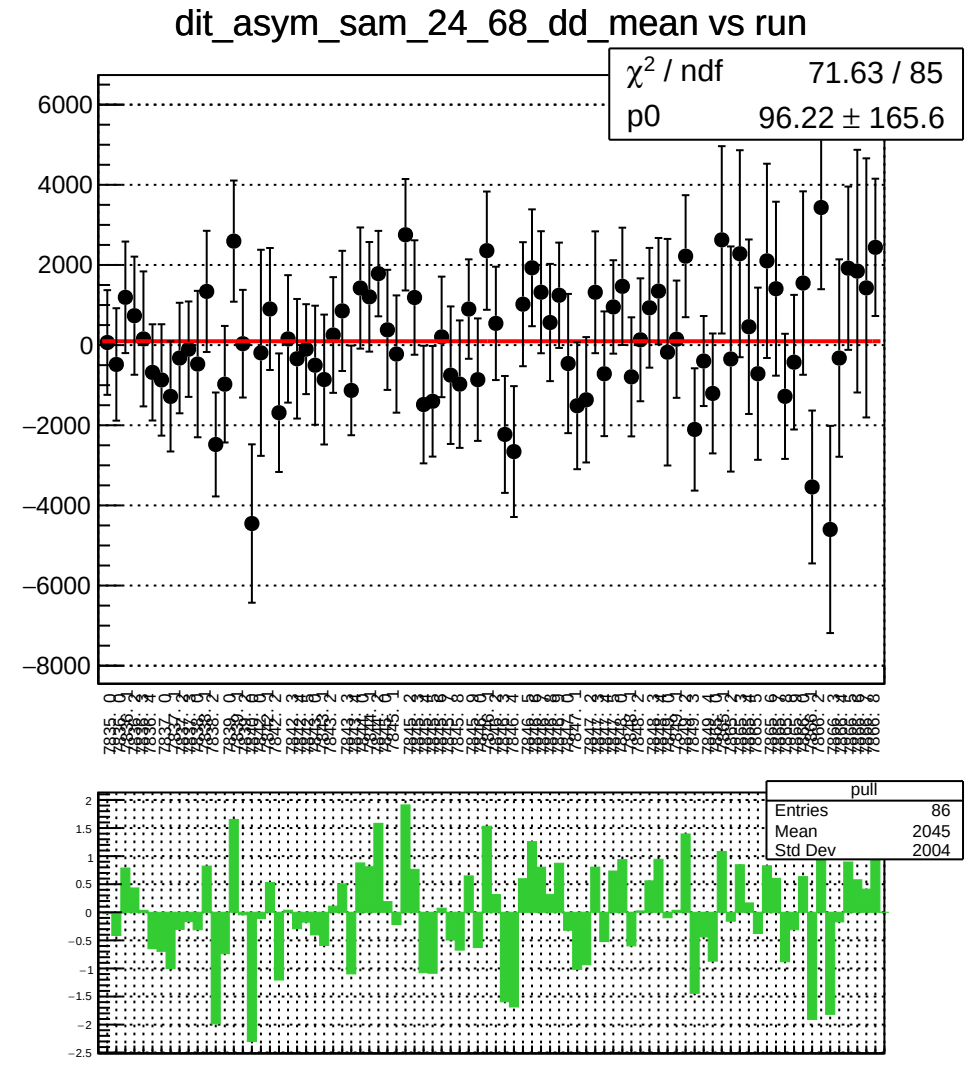

pull1D
Entries 86
Mean 0.01602
Std Dev 0.9932

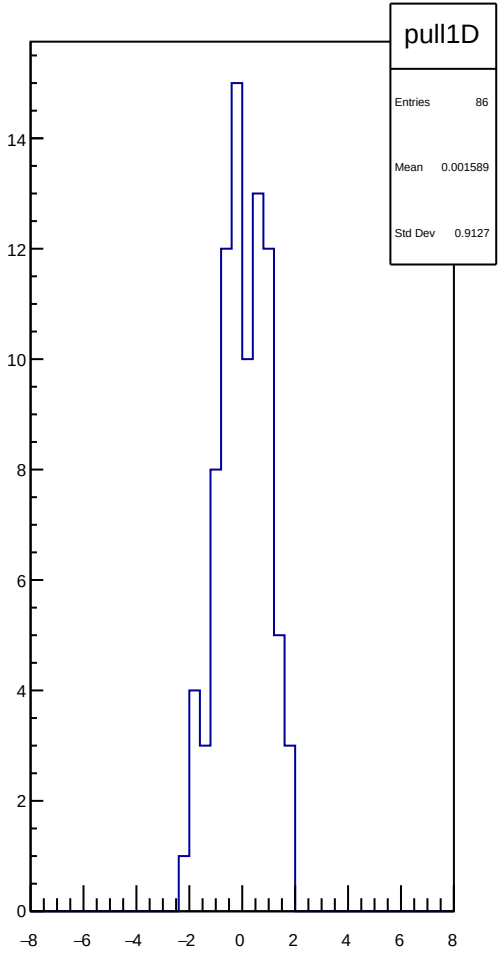

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1.886e+04 / 85
p0 1179 ± 0.9146
1800
1700
1600
1500
1400
1300
1200
1100
1000

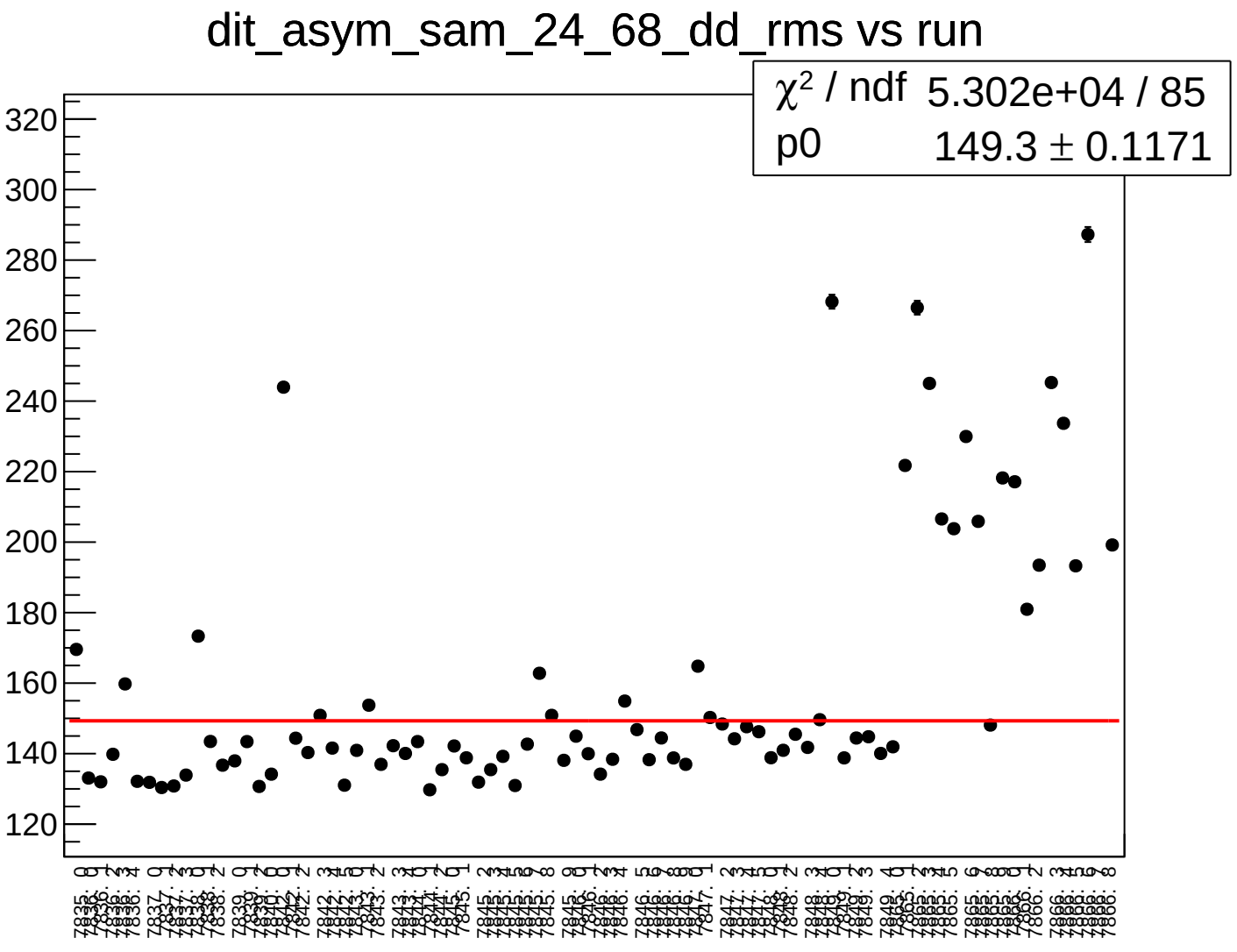

asym_sam_15_37_dd_mean vs run
χ² / ndf 83.92 / 85
p0 108 ± 1301
pull
Entries 86
Mean 143.5
Std Dev 112.1

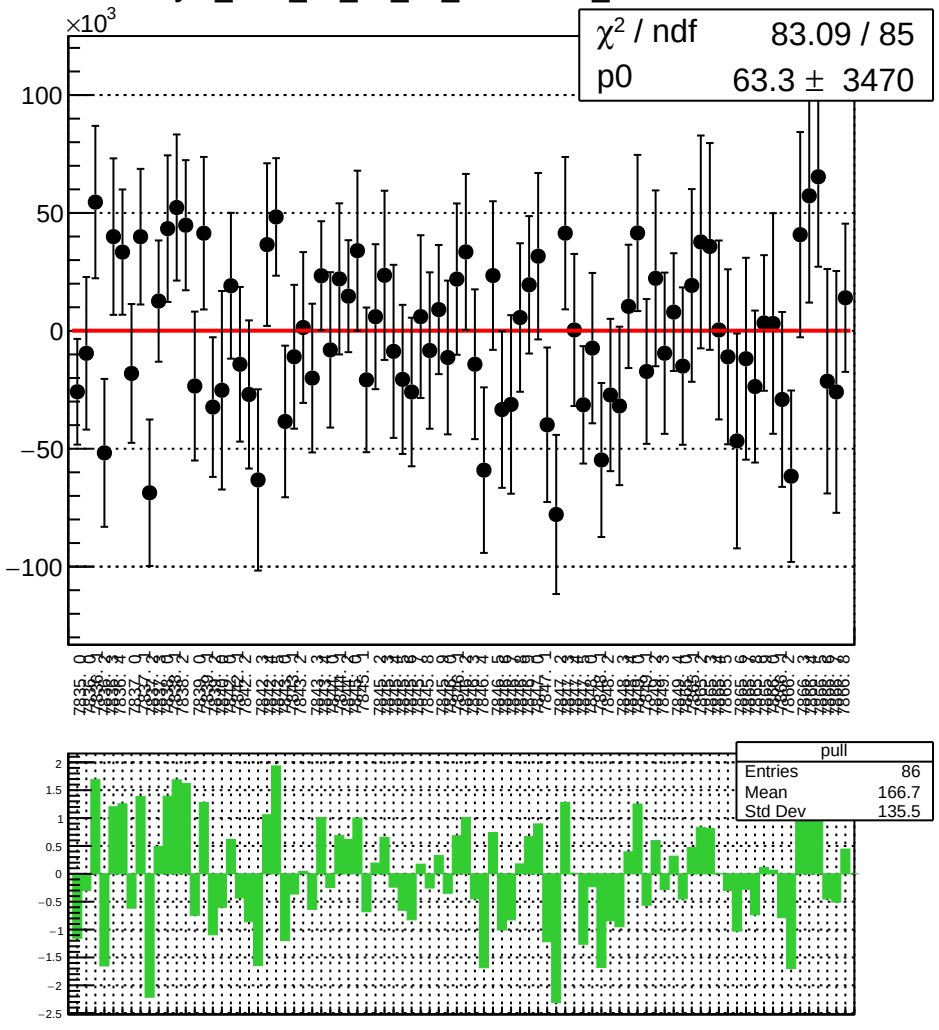

pull1D
Entries 86
Mean −0.01683
Std Dev 0.9877

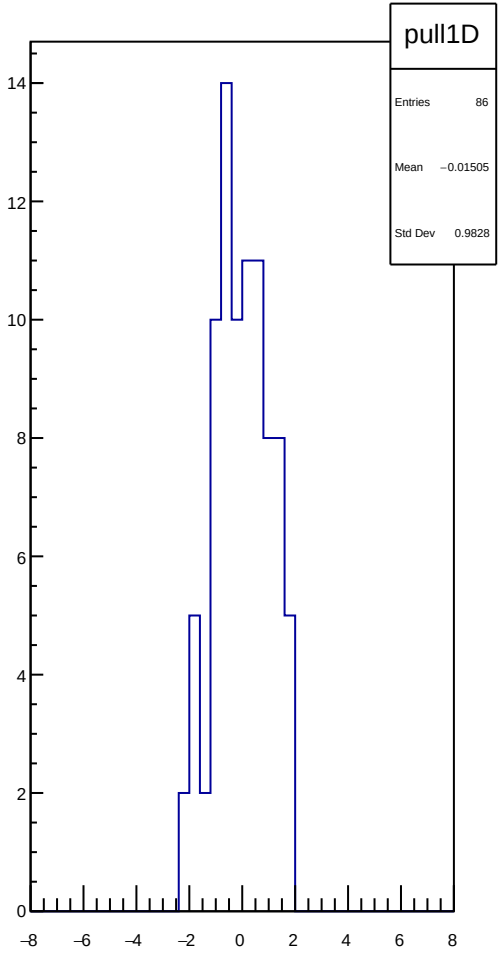

asym_sam_15_37_dd_rms vs run
χ² / ndf 1.991e+04 / 85
p0 1185 ± 0.9196
1800
1700
1600
1500
1400
1300
1200
1100
1000

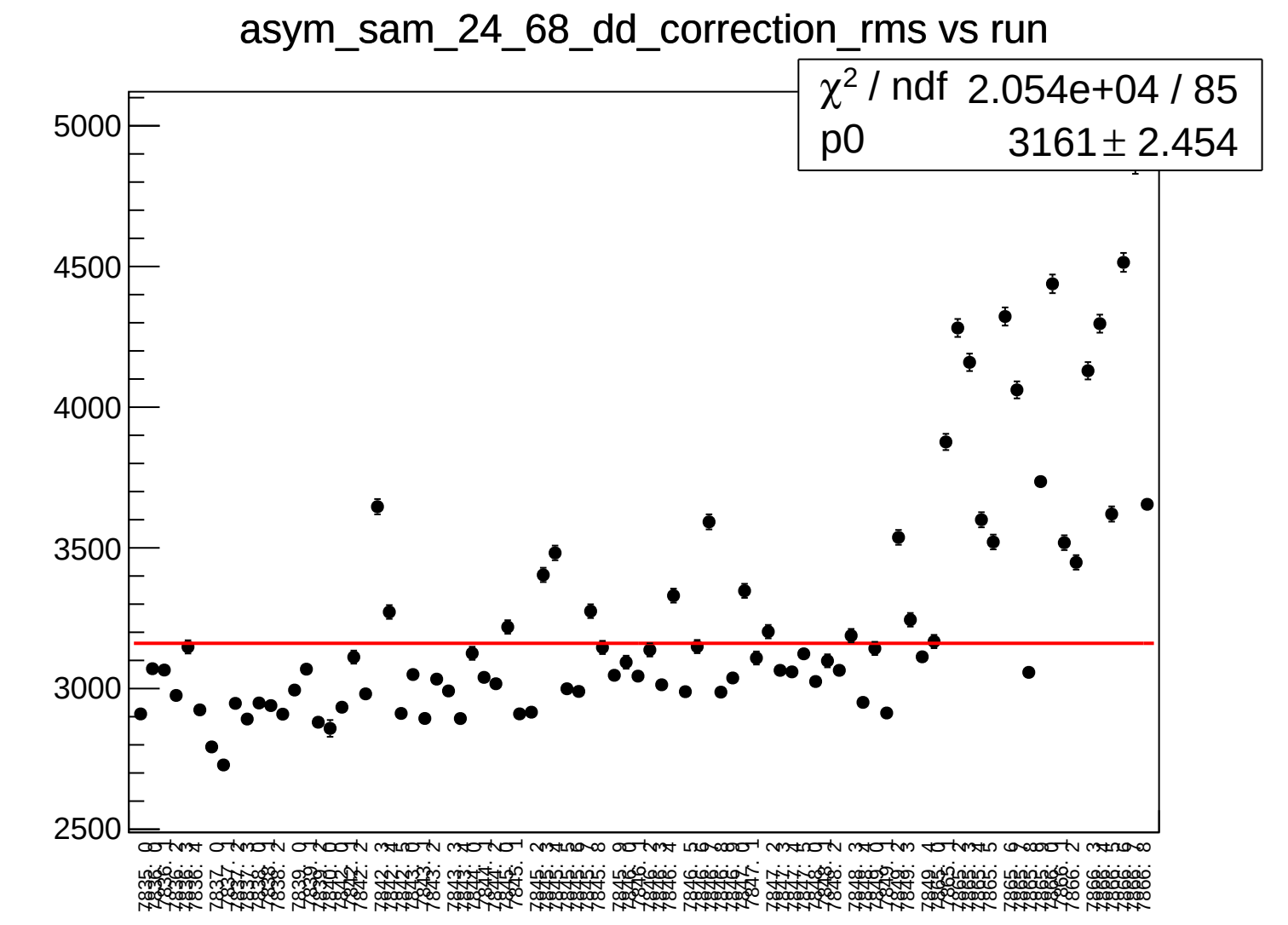

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 71.63 / 85
p0 96.22 ± 165.6
pull
Entries 86
Mean 2045
Std Dev 2004

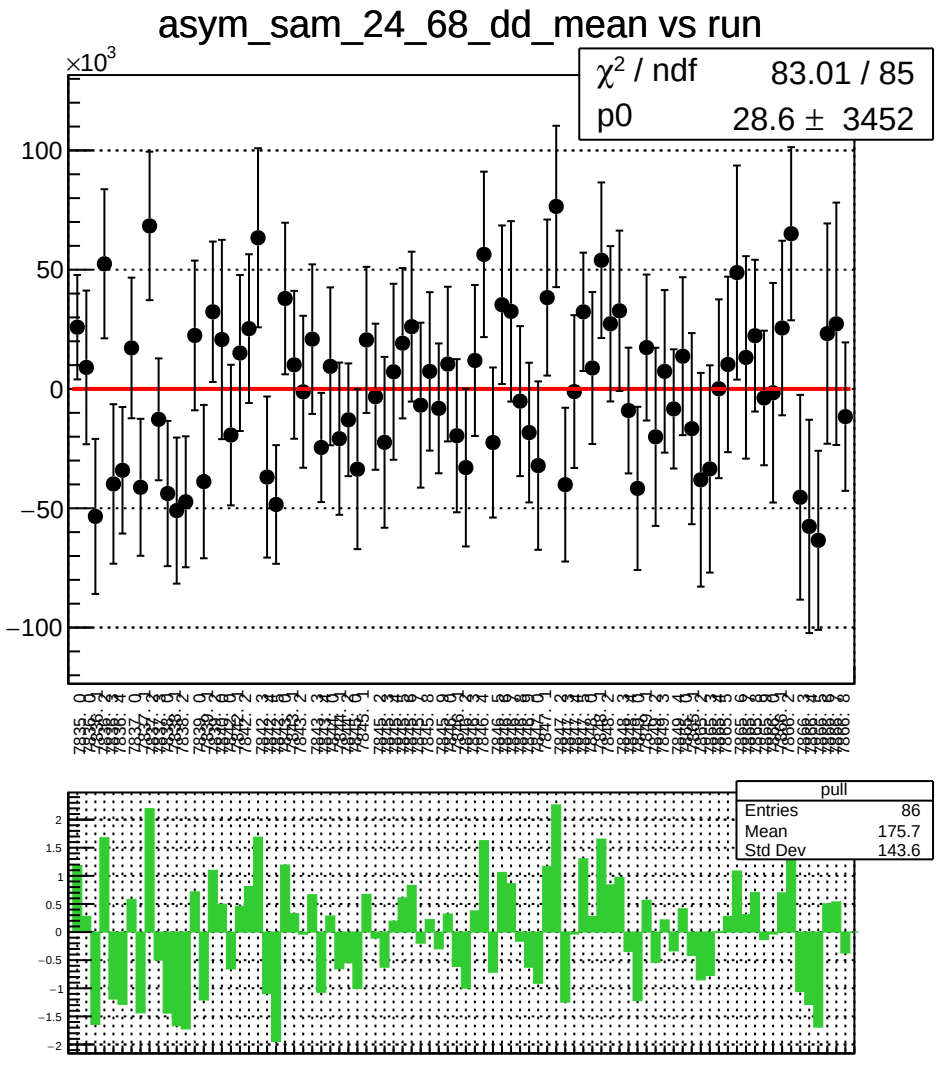

pull1D
Entries 86
Mean 0.001589
Std Dev 0.9127

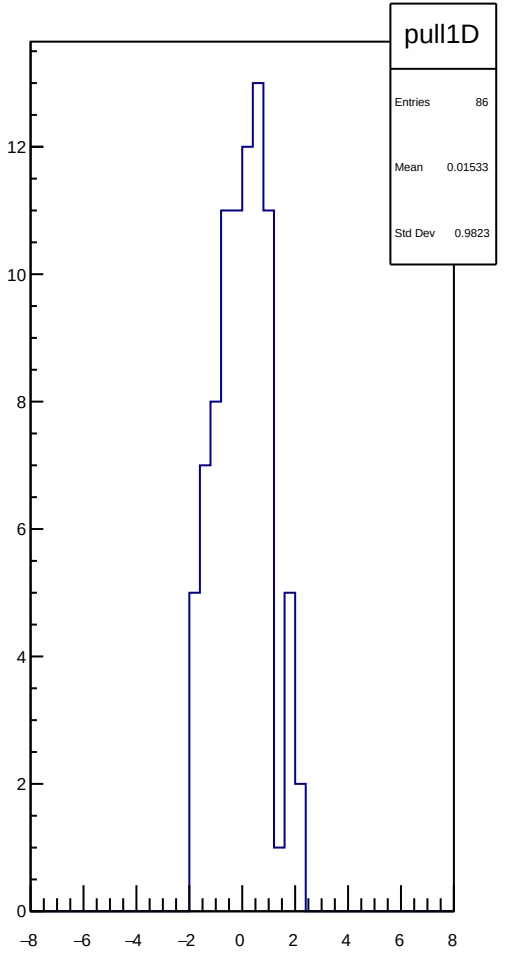

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 5.302e+04 / 85
p0 149.3 ± 0.1171
320
300
280
260
240
220
200
180
160
140
120

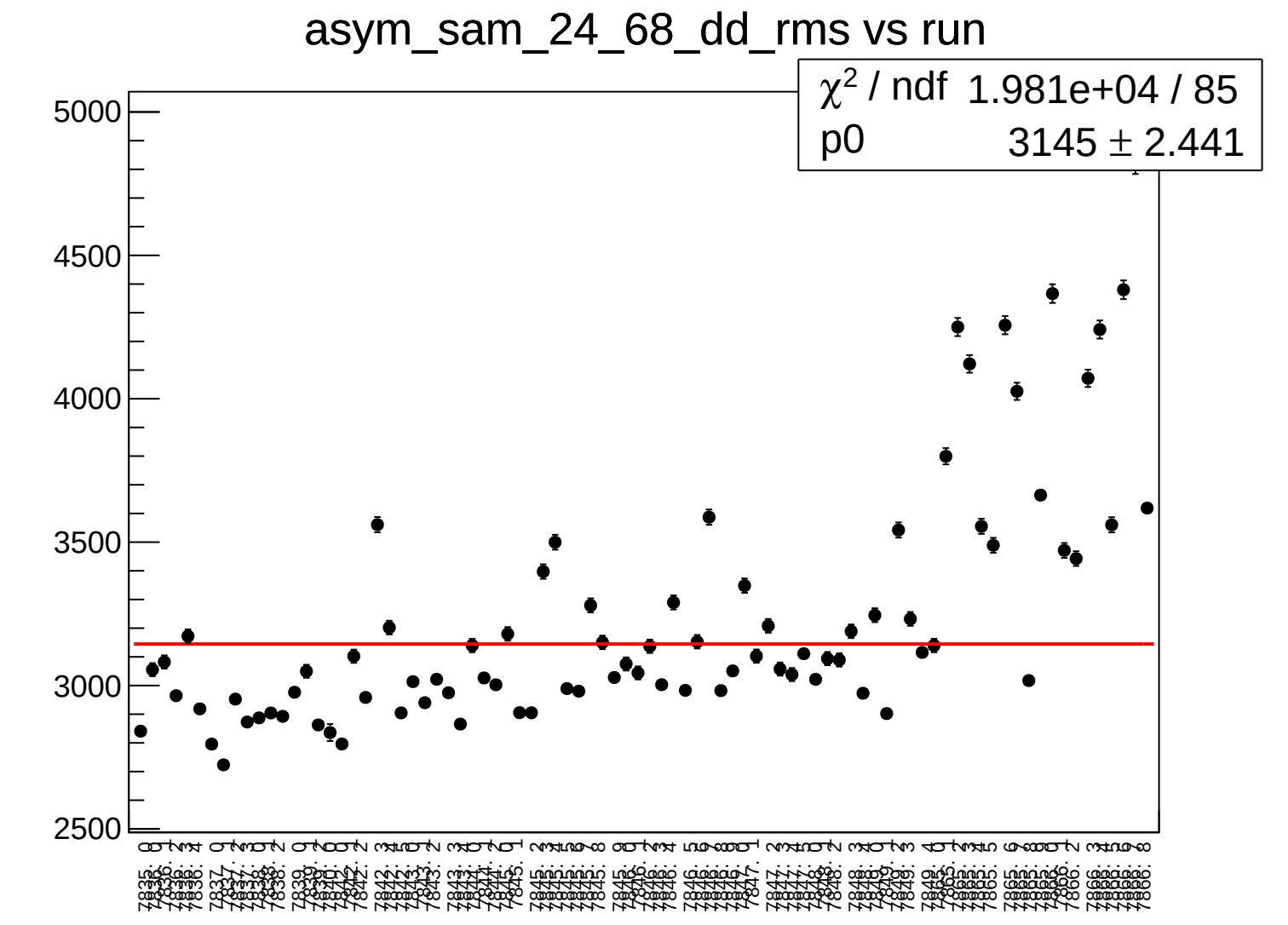

asym_sam_24_68_dd_correction_mean vs run
×10^3
χ² / ndf 83.09 / 85
p0 63.3 ± 3470
100
50
0
−50
−100
pull
Entries 86
Mean 166.7
Std Dev 135.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

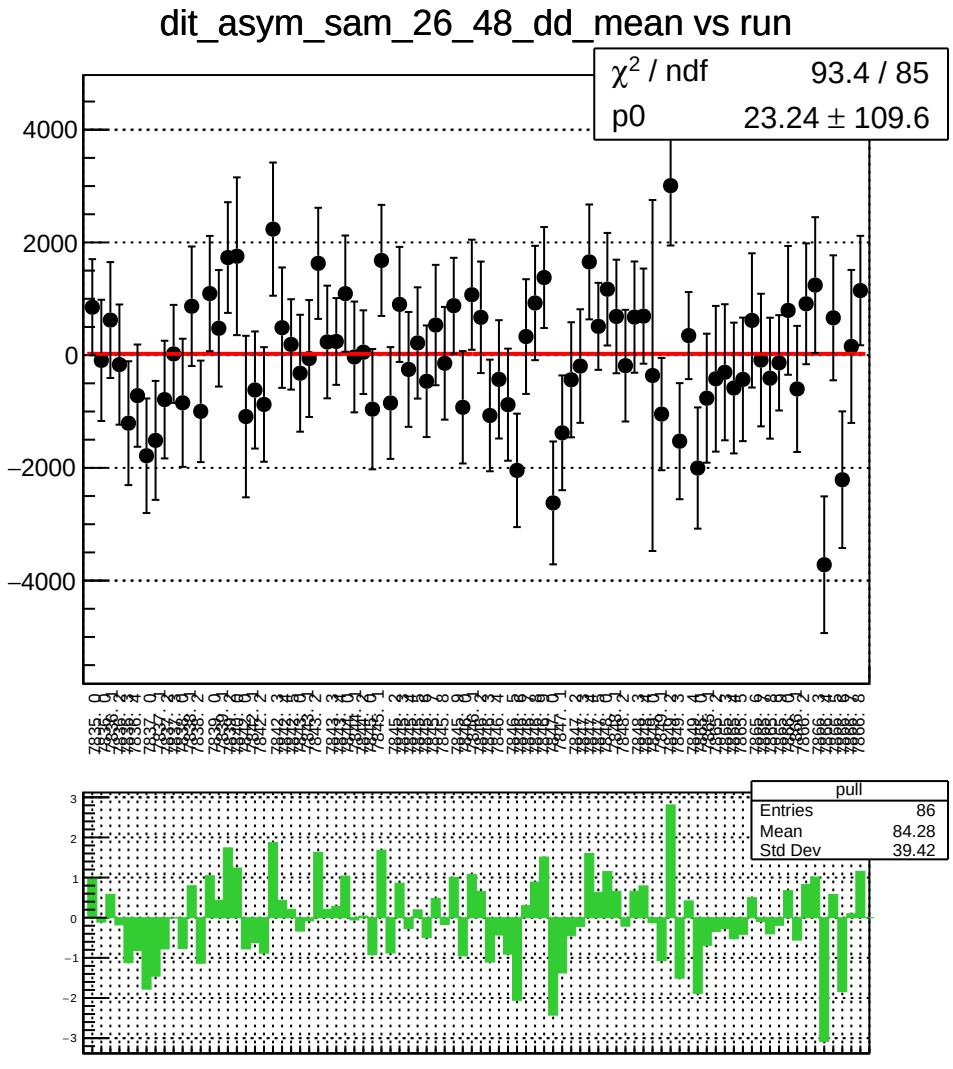

pull1D
Entries 86
Mean −0.01505
Std Dev 0.9828
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

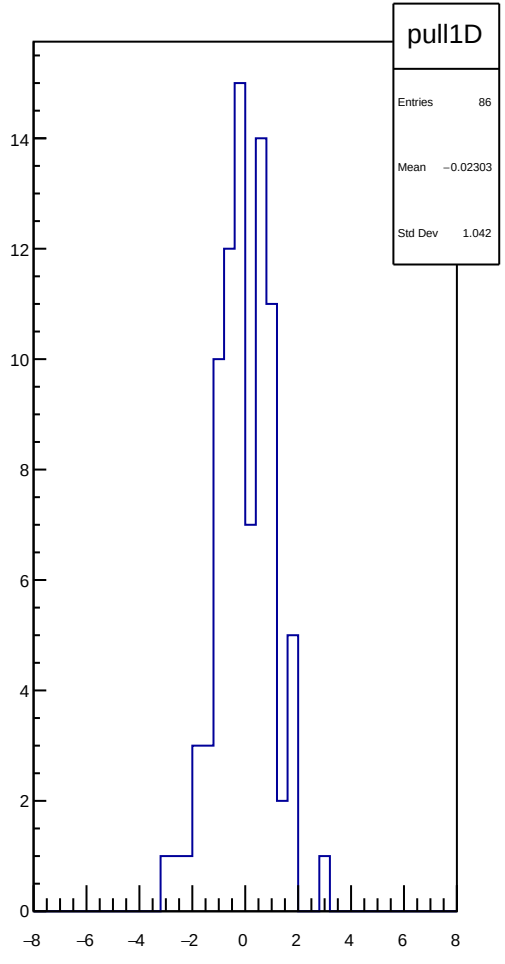

asym_sam_24_68_dd_correction_rms vs run
χ^2 / ndf 2.054e+04 / 85
p0 3161 ± 2.454
5000
4500
4000
3500
3000
2500

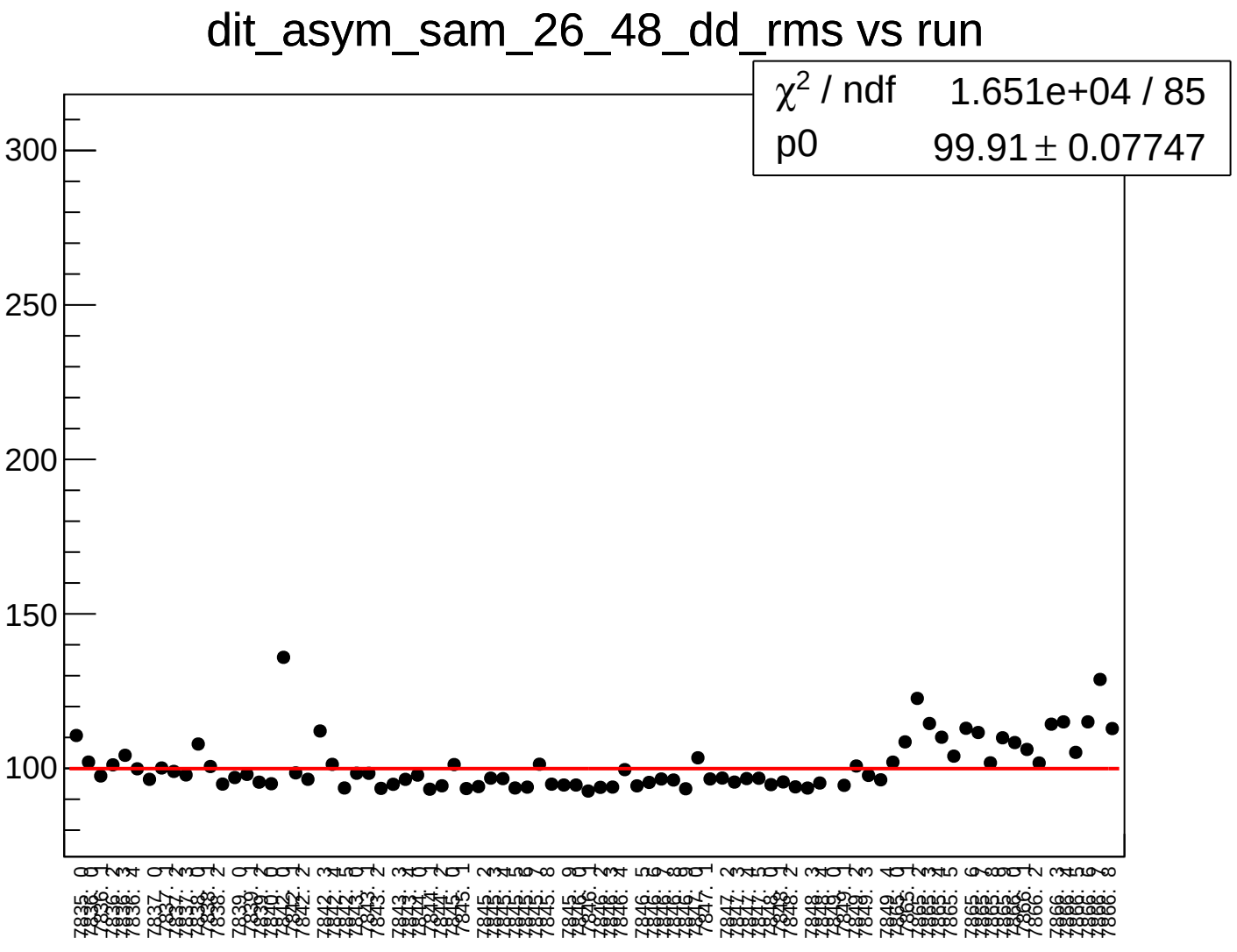

asym_sam_24_68_dd_mean vs run
×10^3
χ² / ndf 83.01 / 85
p0 28.6 ± 3452
100
50
0
−50
−100
pull
Entries 86
Mean 175.7
Std Dev 143.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

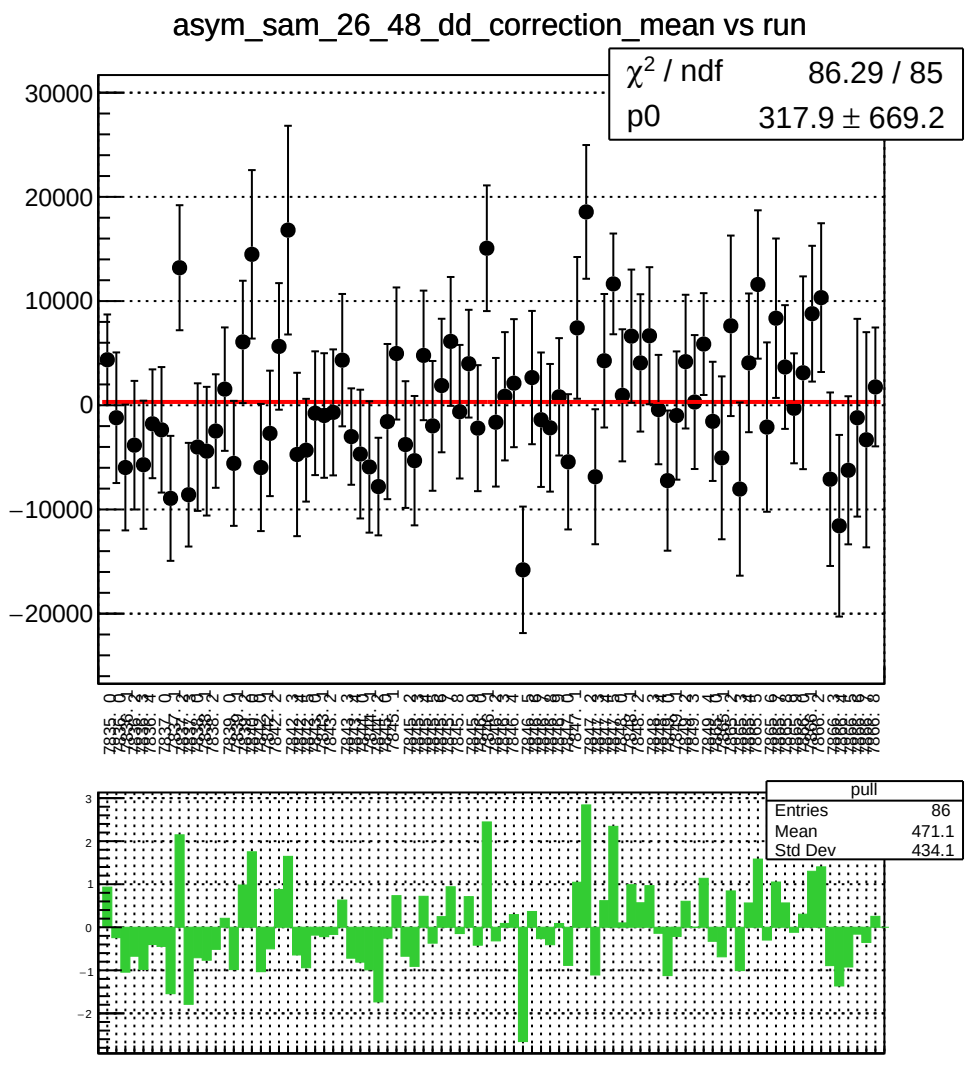

pull1D
Entries 86
Mean 0.01533
Std Dev 0.9823
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

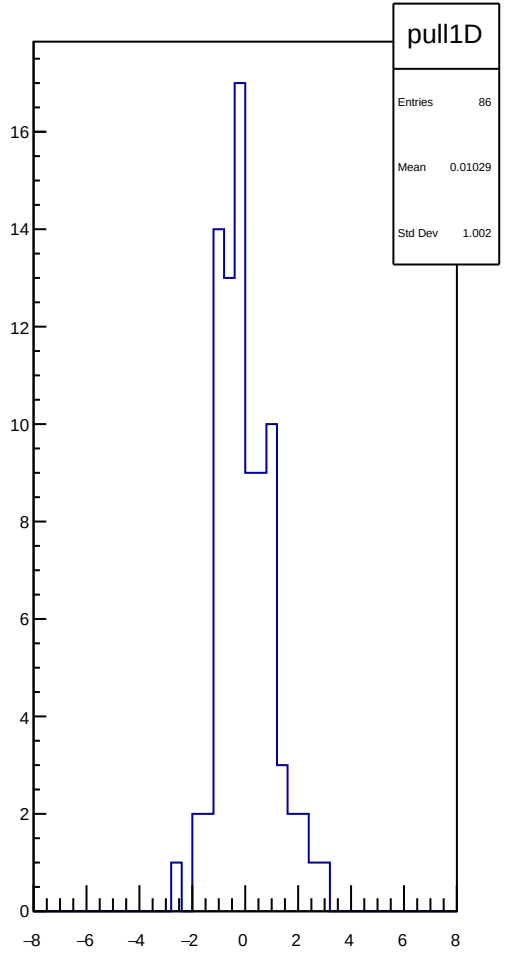

asym_sam_24_68_dd_rms vs run
χ² / ndf 1.981e+04 / 85
p0 3145 ± 2.441
5000
4500
4000
3500
3000
2500

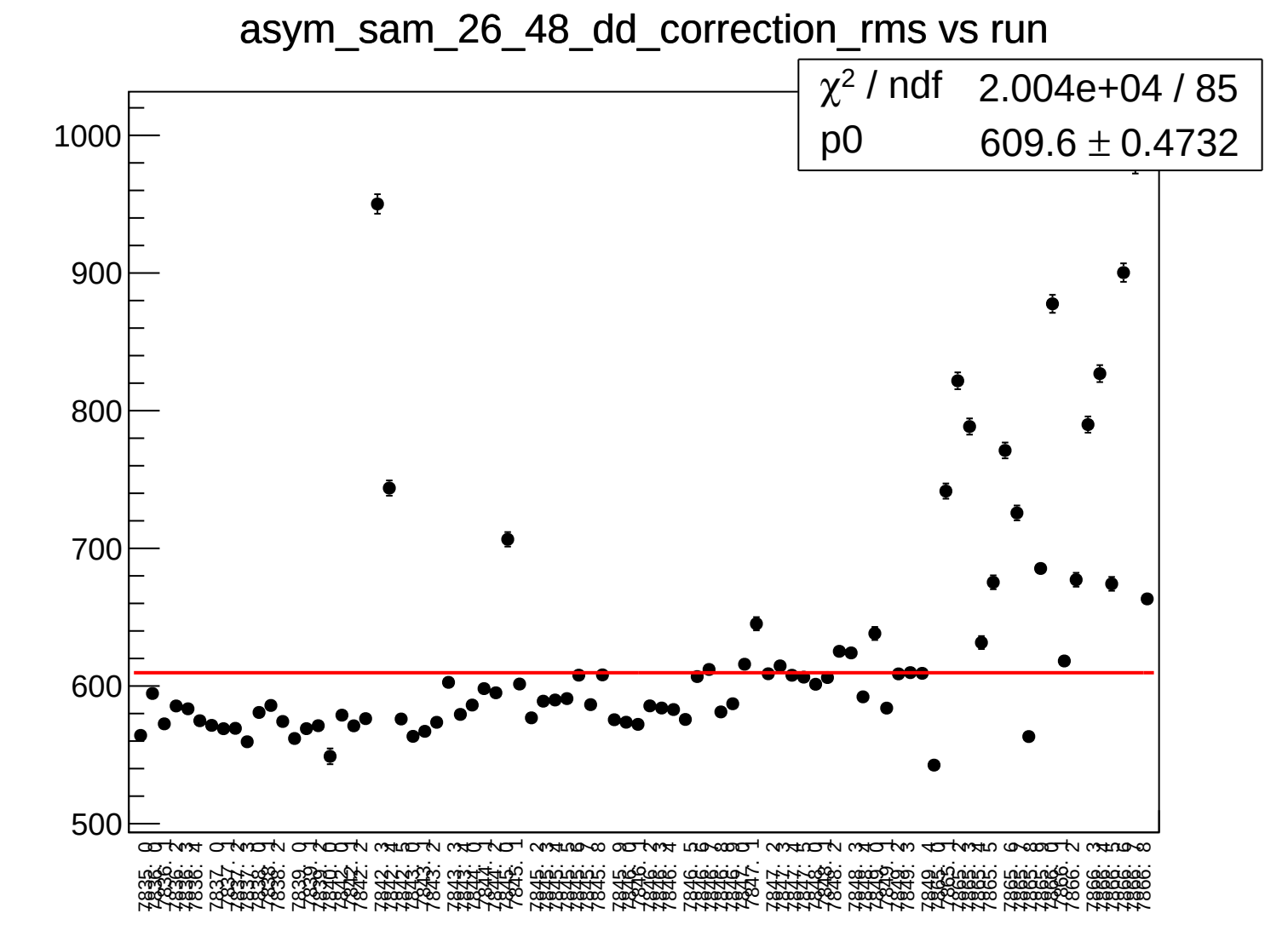

dit_asym_sam_26_48_dd_mean vs run
χ^2 / ndf 93.4 / 85
p0 23.24 ± 109.6
4000
2000
0
−2000
−4000
pull
Entries 86
Mean 84.28
Std Dev 39.42
3
2
1
0
−1
−2
−3

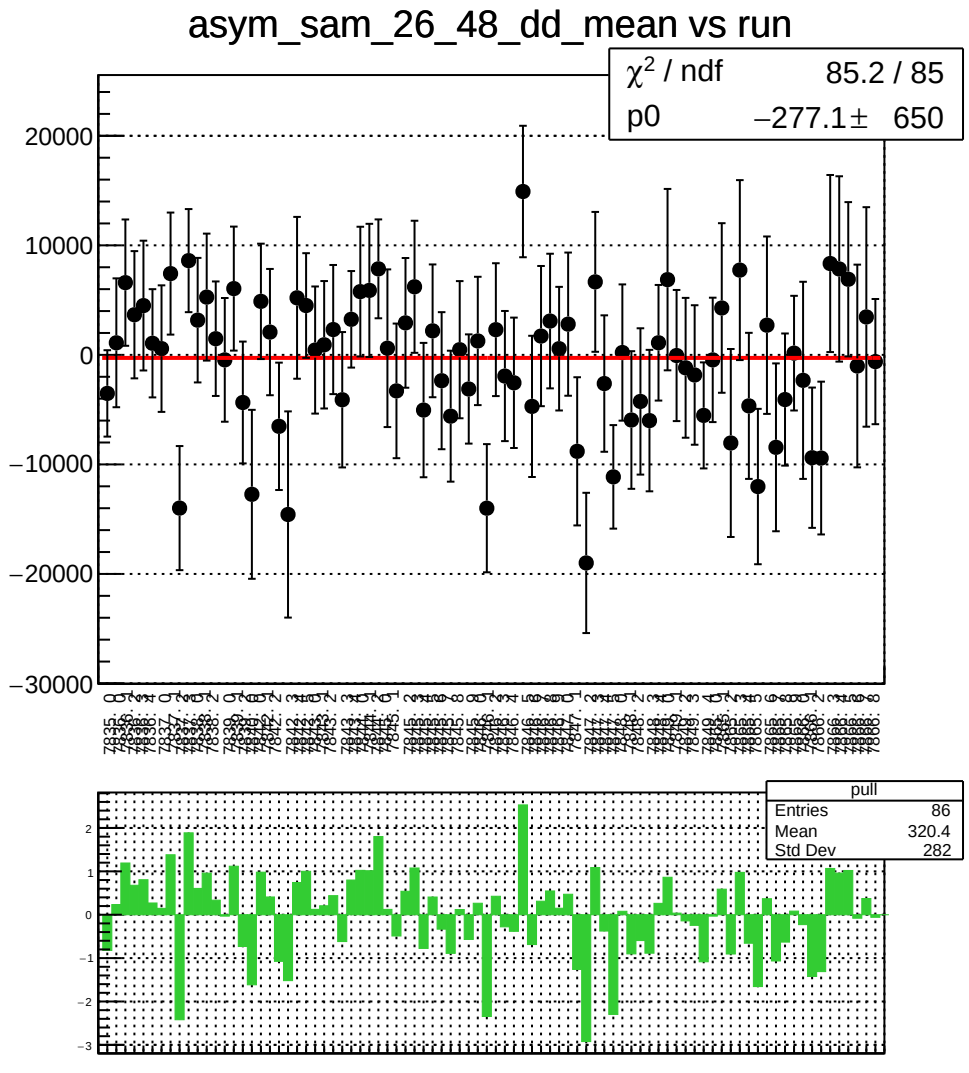

pull1D
Entries 86
Mean −0.02303
Std Dev 1.042
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

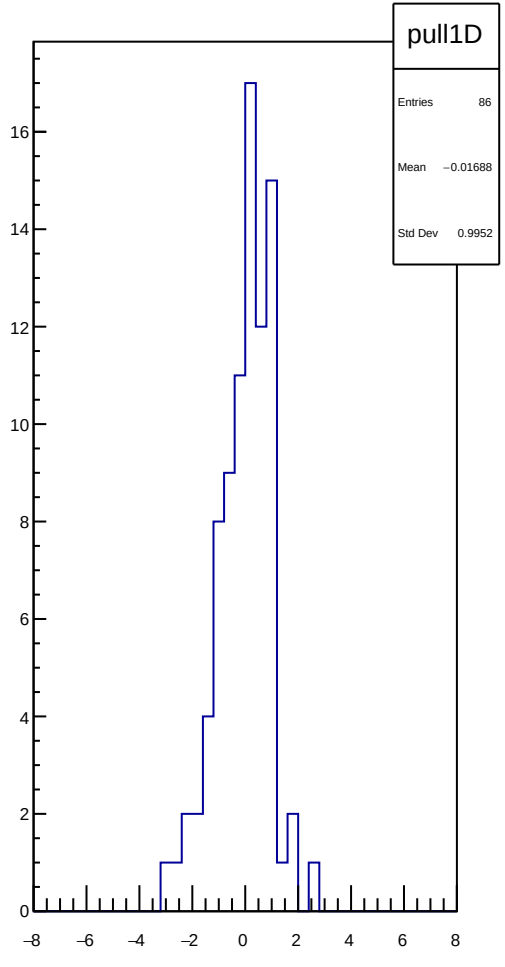

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 1.651e+04 / 85
p0 99.91 ± 0.07747
300
250
200
150
100

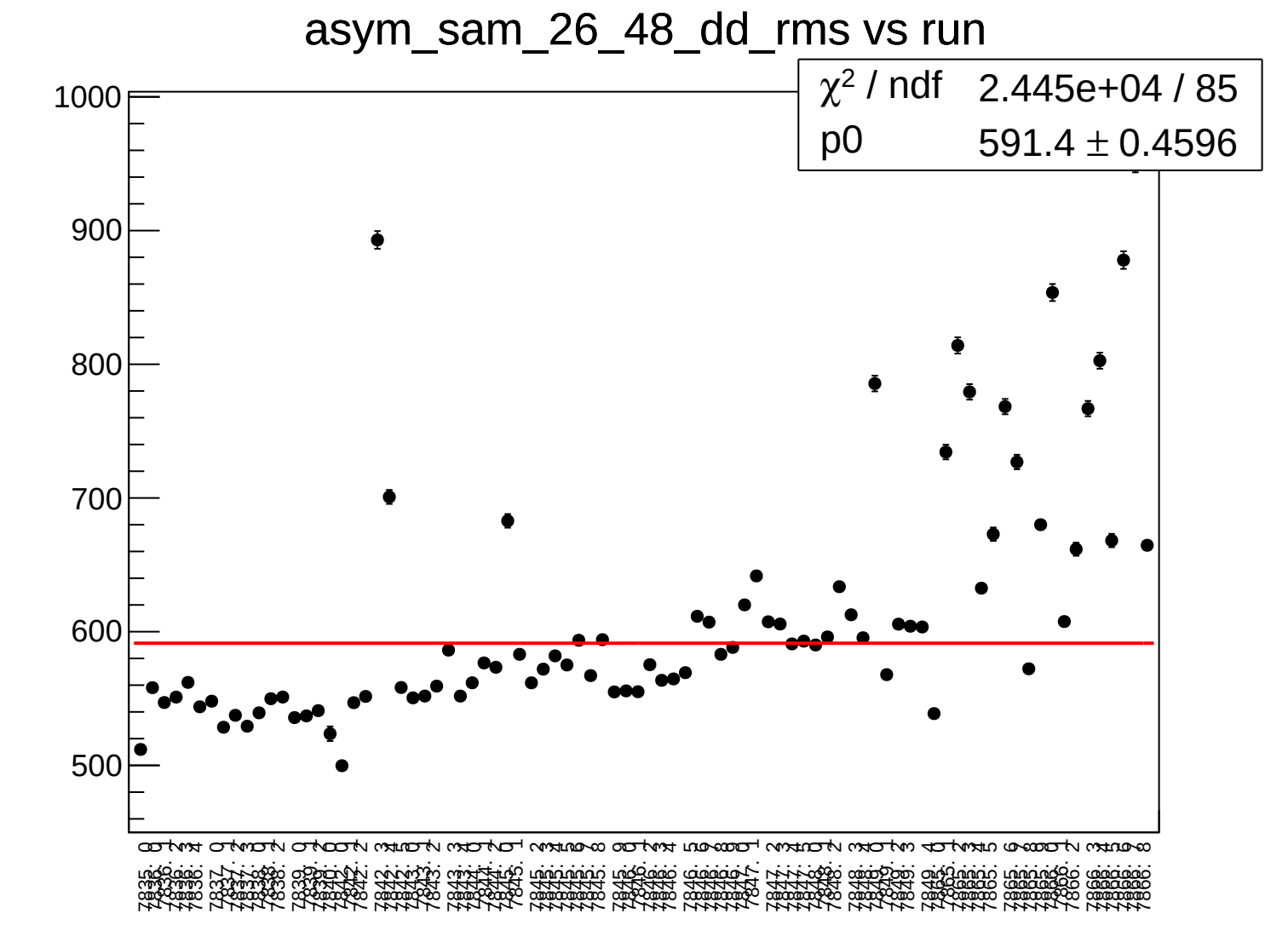

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 86.29 / 85
p0 317.9 ± 669.2
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 471.1
Std Dev 434.1
3
2
1
0
−1
−2

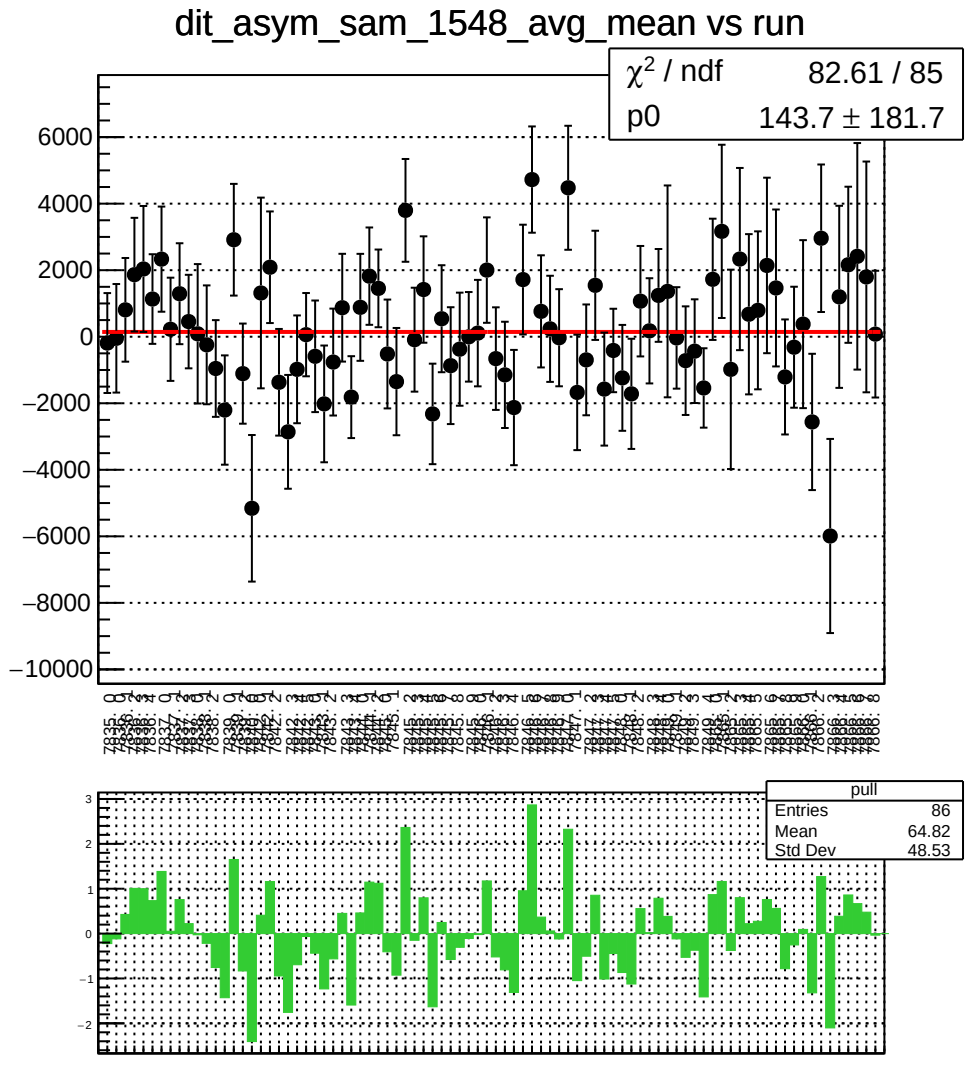

pull1D
Entries 86
Mean 0.01029
Std Dev 1.002
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

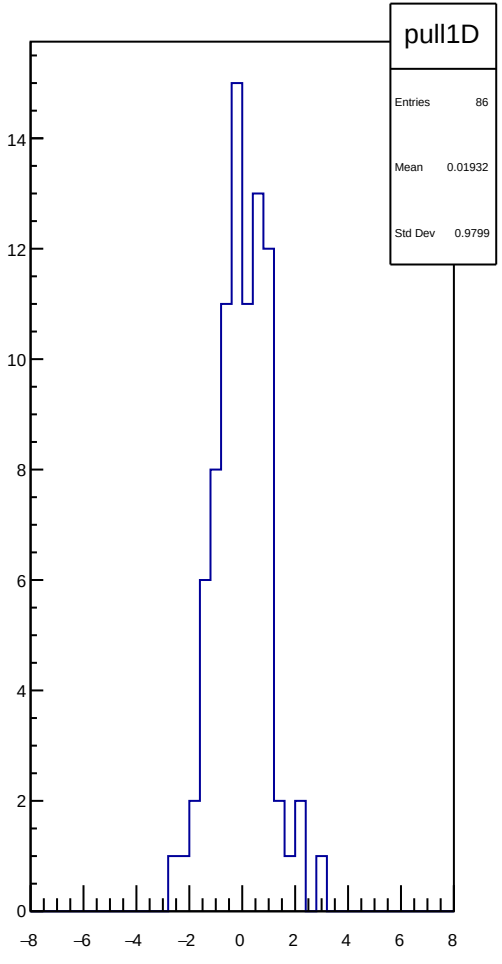

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 2.004e+04 / 85
p0 609.6 ± 0.4732
1000
900
800
700
600
500

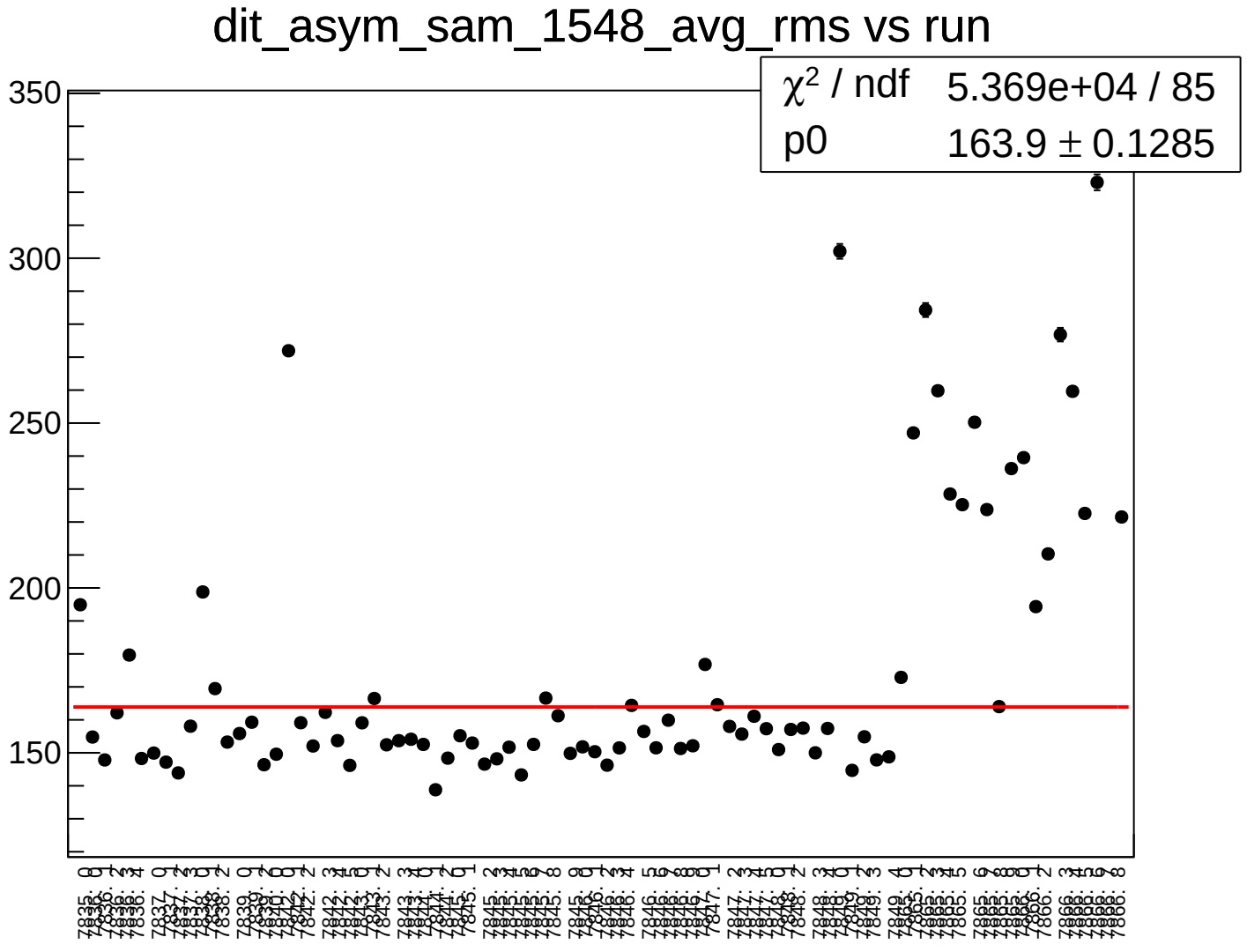

asym_sam_26_48_dd_mean vs run
χ² / ndf 85.2 / 85
p0 −277.1± 650
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 320.4
Std Dev 282
2
1
0
−1
−2
−3

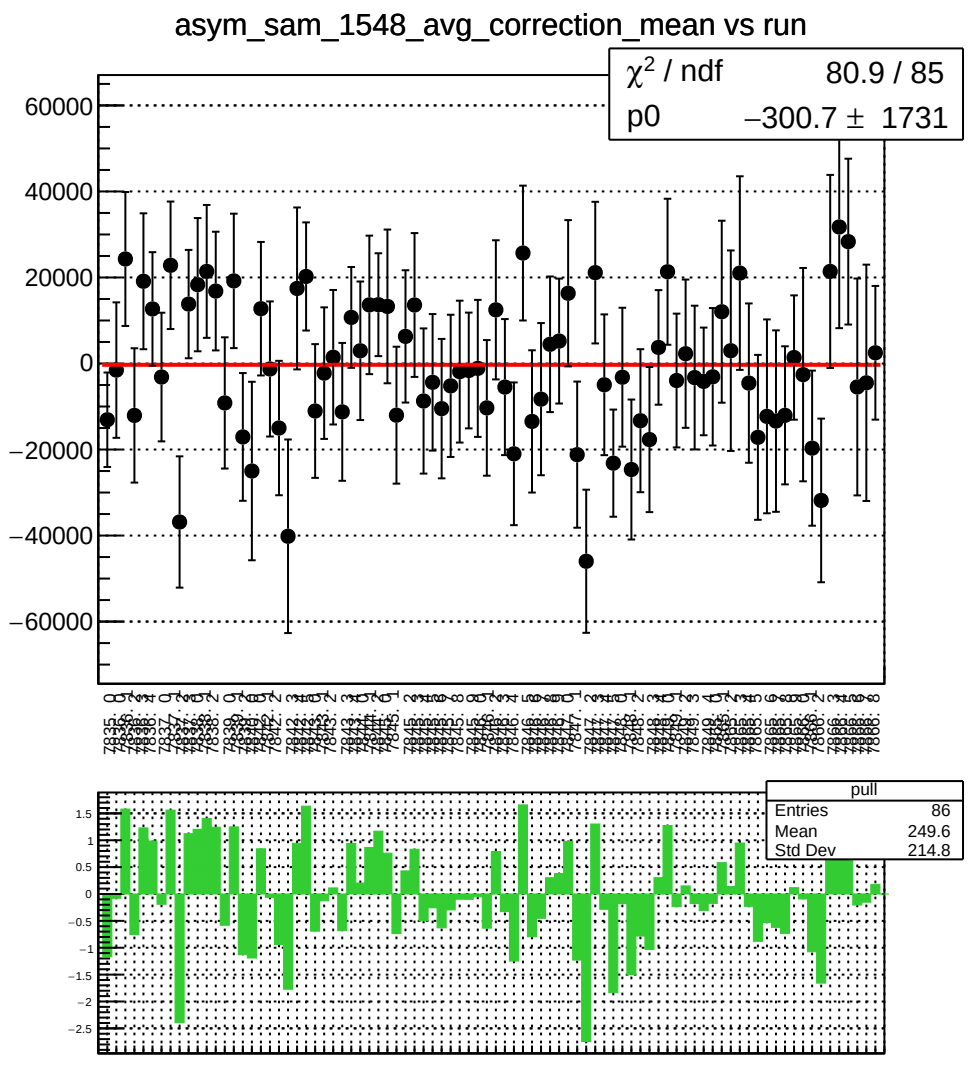

pull1D
Entries 86
Mean −0.01688
Std Dev 0.9952
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

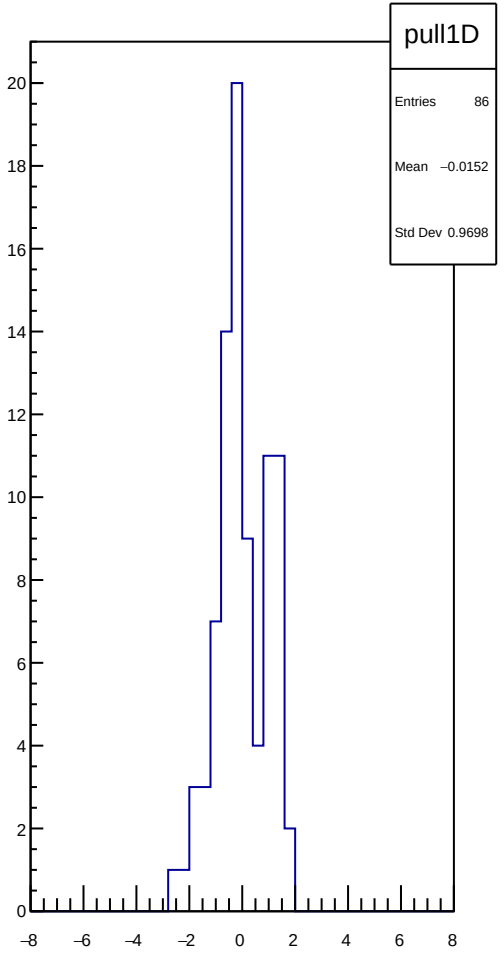

asym_sam_26_48_dd_rms vs run
χ² / ndf 2.445e+04 / 85
p0 591.4 ± 0.4596
1000
900
800
700
600
500

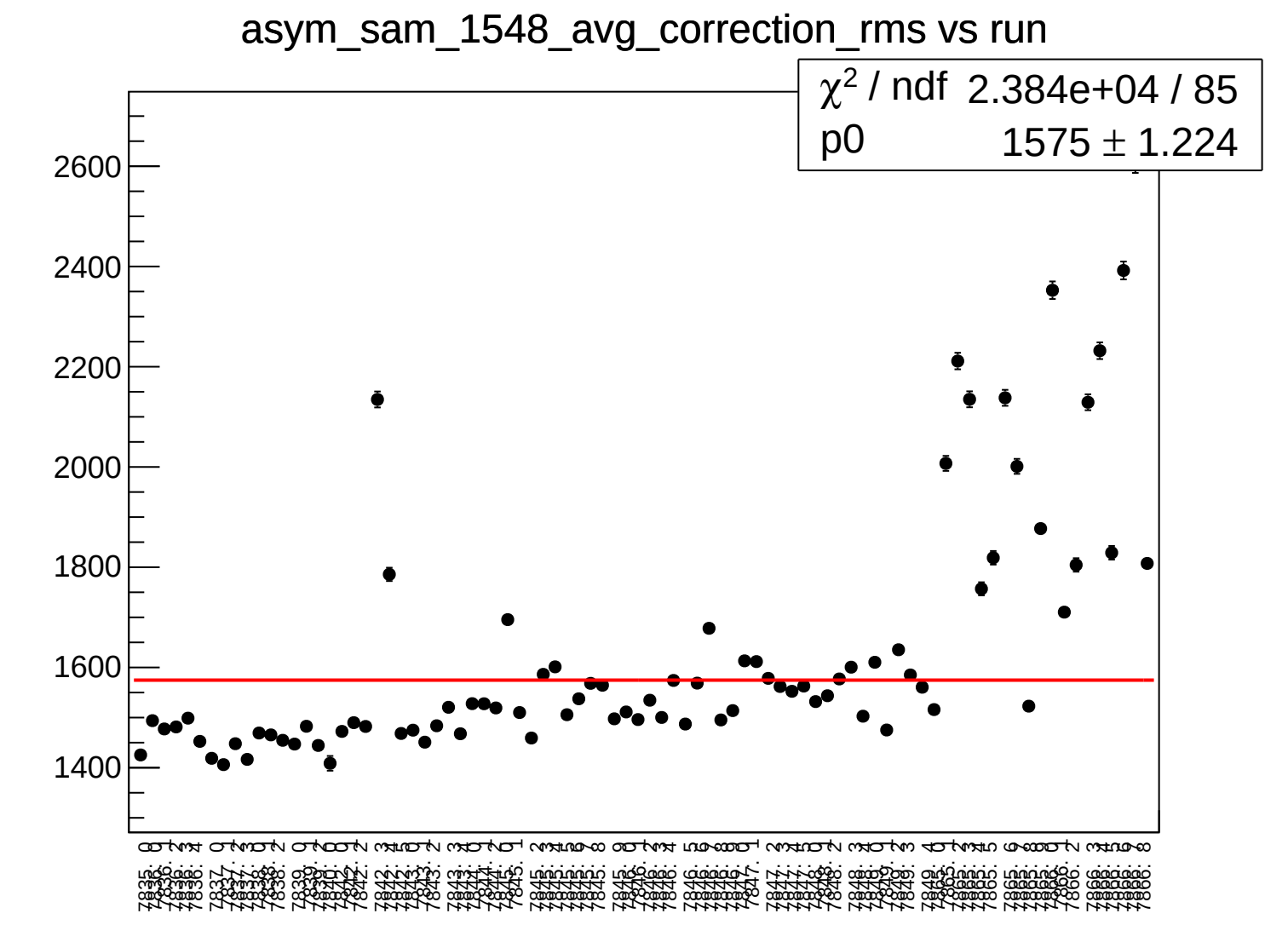

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 82.61 / 85
p0 143.7 ± 181.7
pull
Entries 86
Mean 64.82
Std Dev 48.53

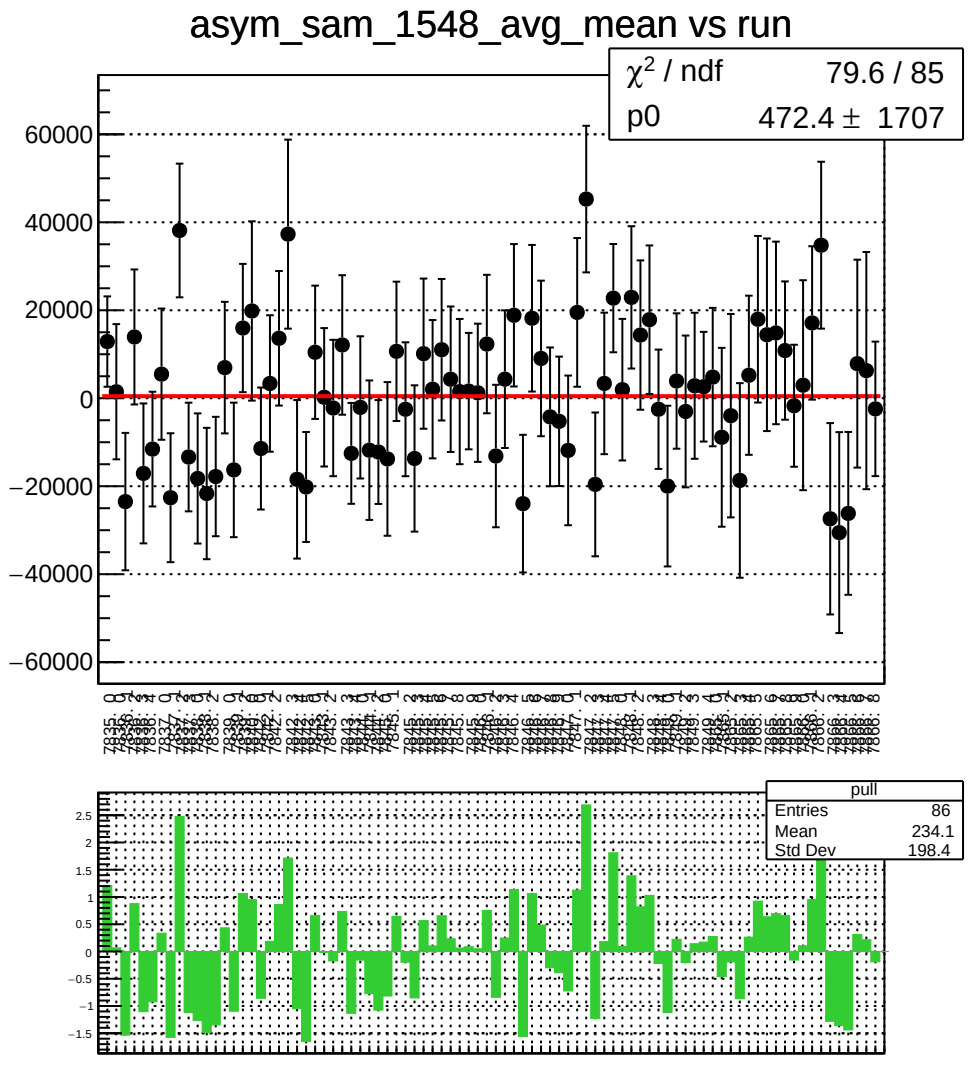

pull1D
Entries 86
Mean 0.01932
Std Dev 0.9799

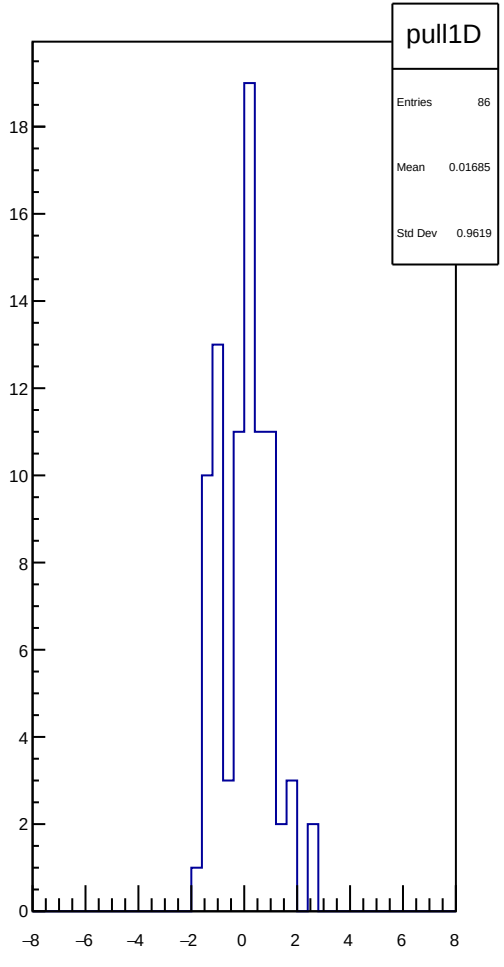

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 5.369e+04 / 85
p0 163.9 ± 0.1285
350
300
250
200
150

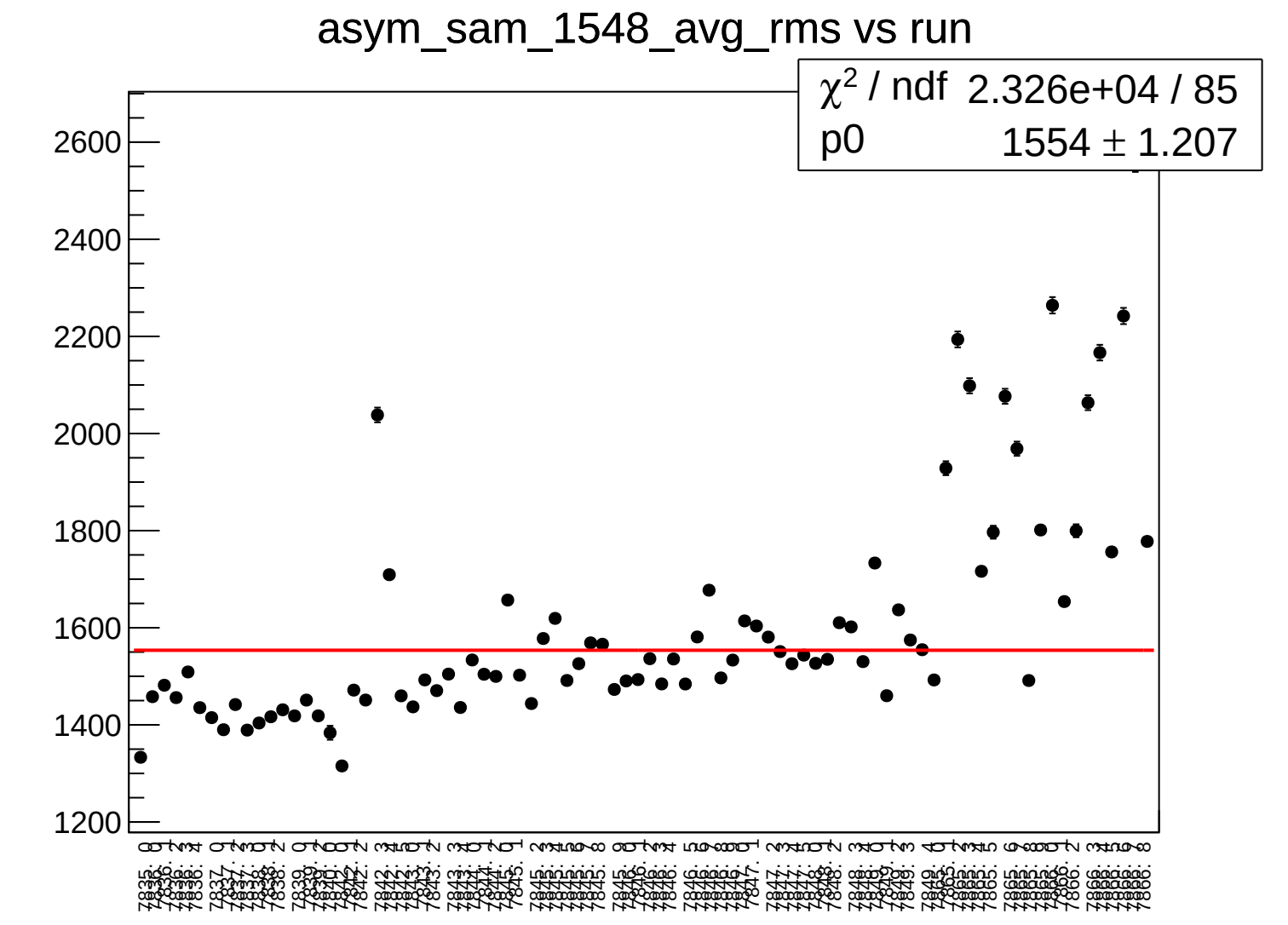

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 80.9 / 85
p0 −300.7 ± 1731
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 249.6
Std Dev 214.8
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

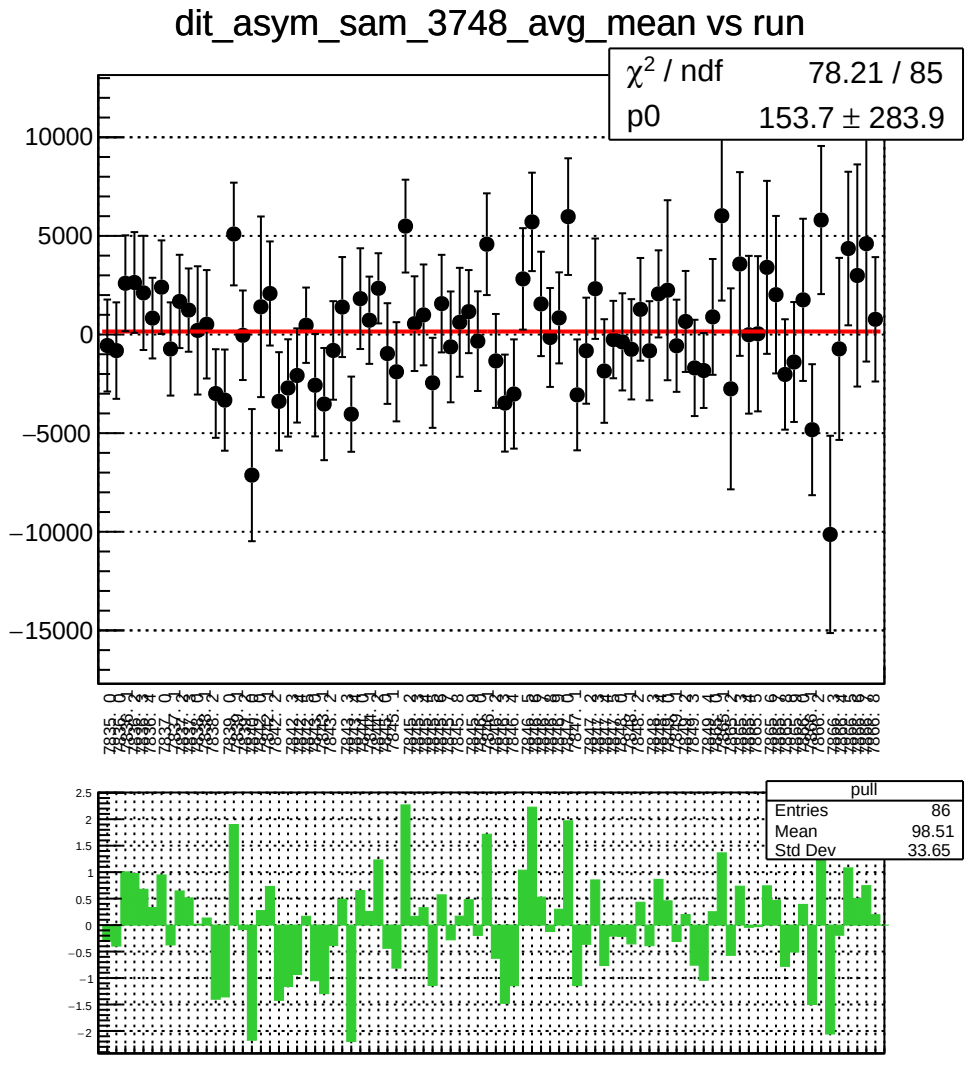

pull1D
Entries 86
Mean −0.0152
Std Dev 0.9698
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

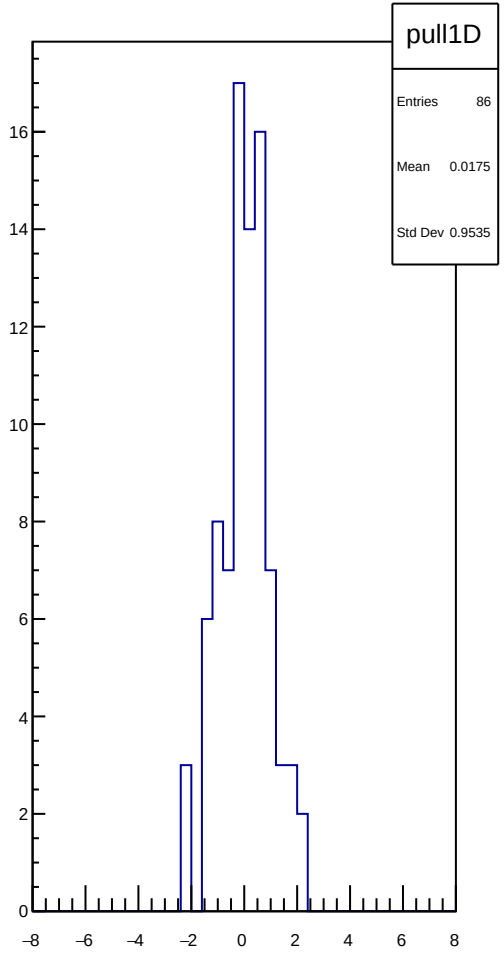

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 2.384e+04 / 85
p0 1575 ± 1.224
2600
2400
2200
2000
1800
1600
1400

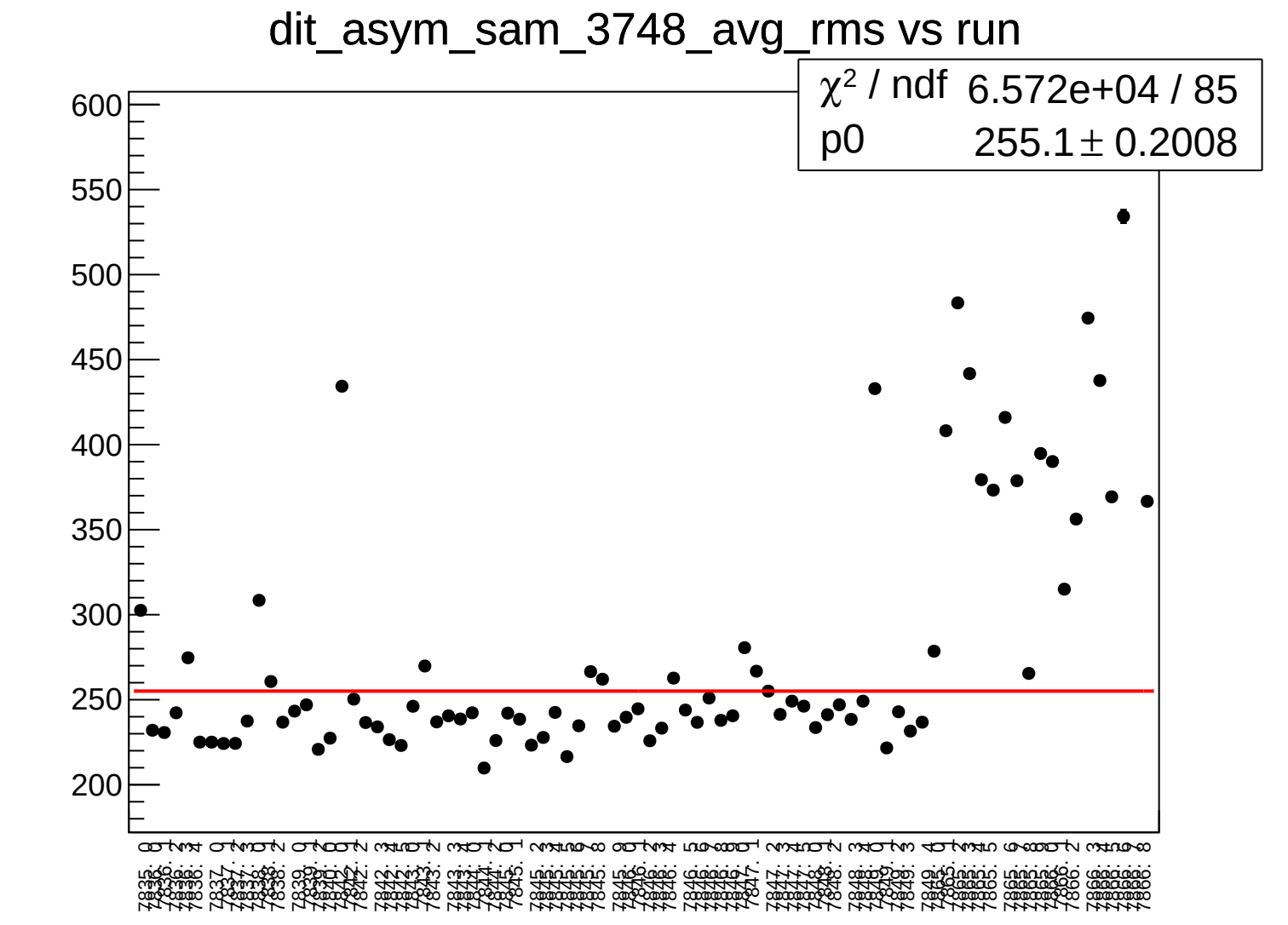

asym_sam_1548_avg_mean vs run
χ² / ndf 79.6 / 85
p0 472.4 ± 1707
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 234.1
Std Dev 198.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

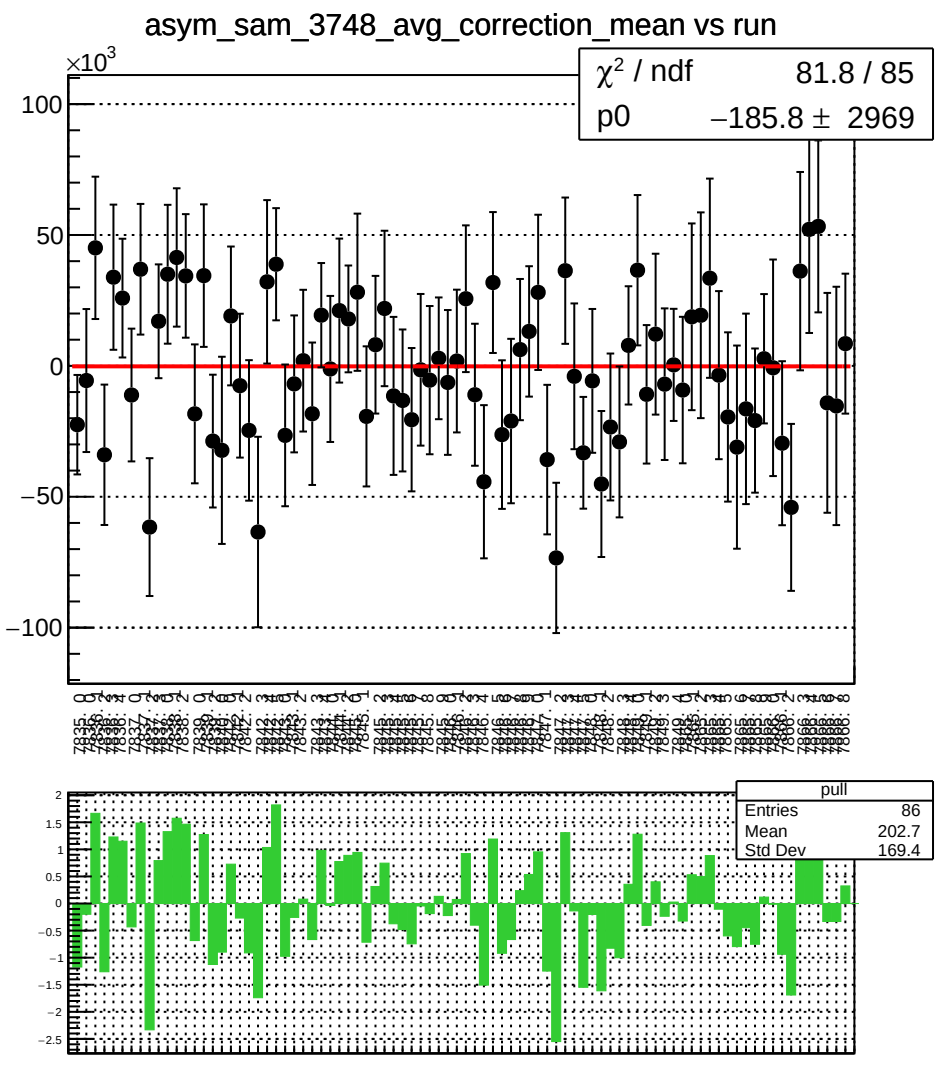

pull1D
Entries 86
Mean 0.01685
Std Dev 0.9619
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

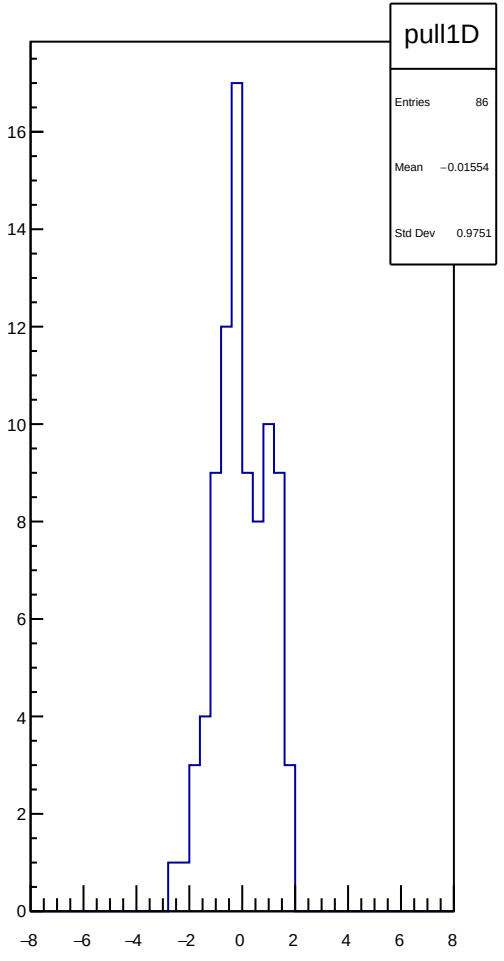

asym_sam_1548_avg_rms vs run
χ² / ndf 2.326e+04 / 85
p0 1554 ± 1.207
2600
2400
2200
2000
1800
1600
1400
1200

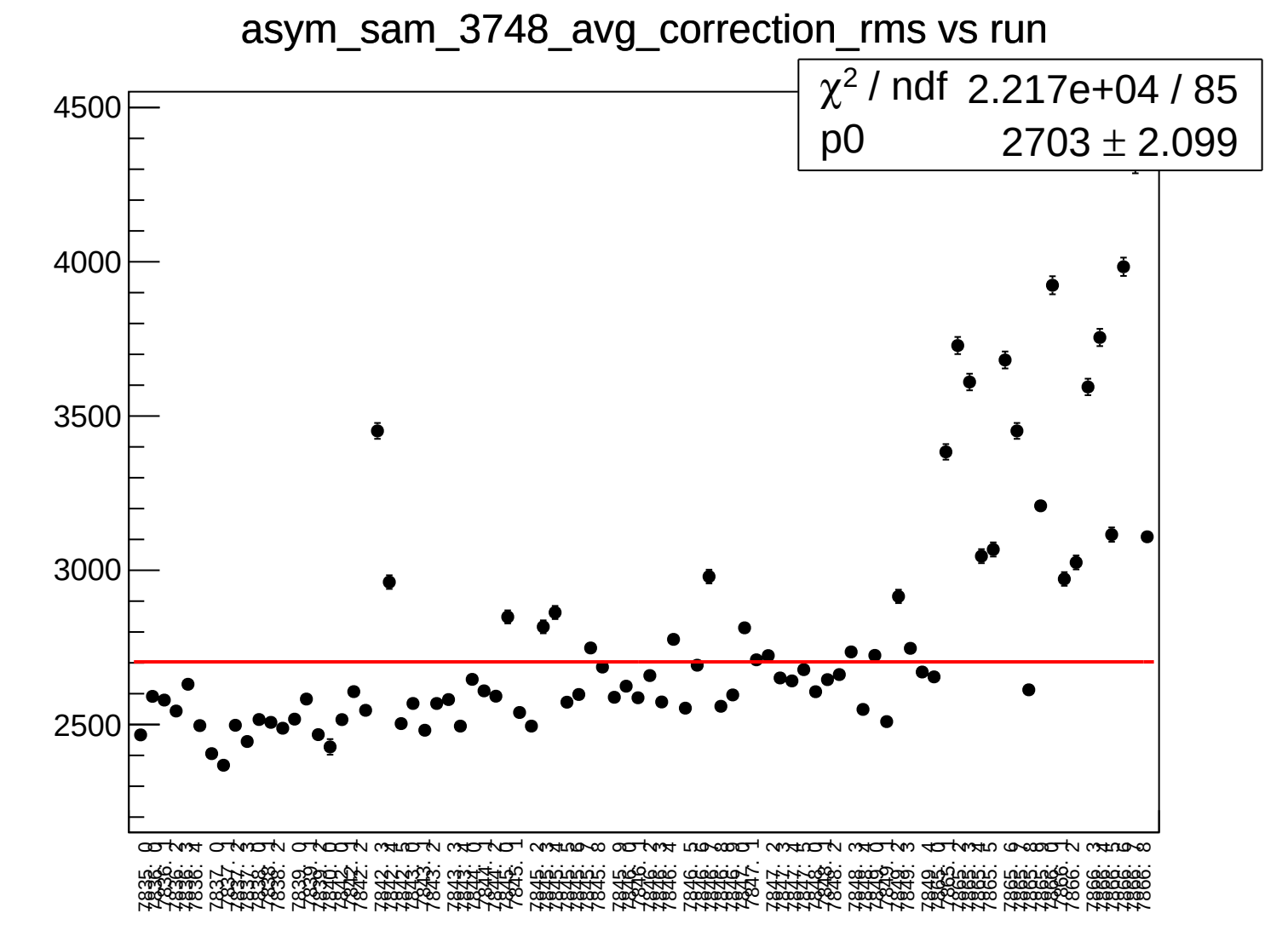

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 78.21 / 85
p0 153.7 ± 283.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 98.51
Std Dev 33.65
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

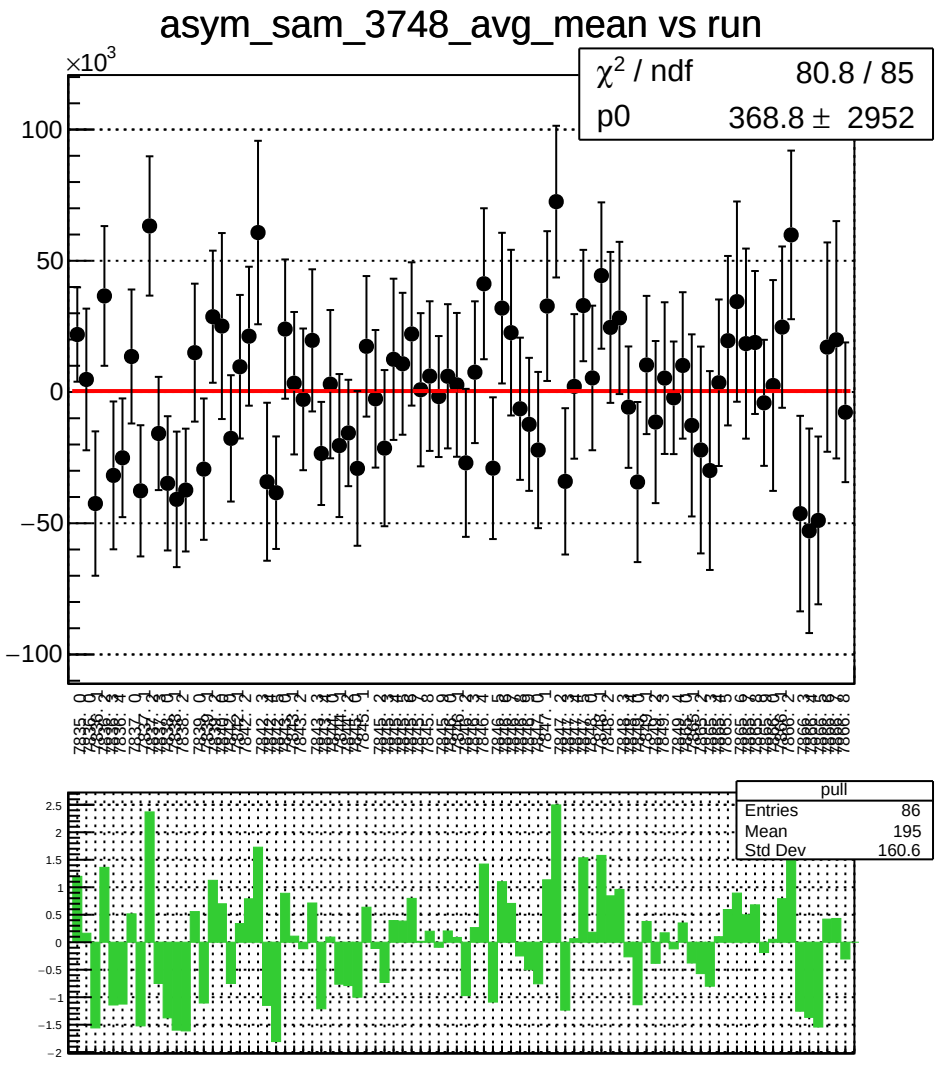

pull1D
Entries 86
Mean 0.0175
Std Dev 0.9535
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

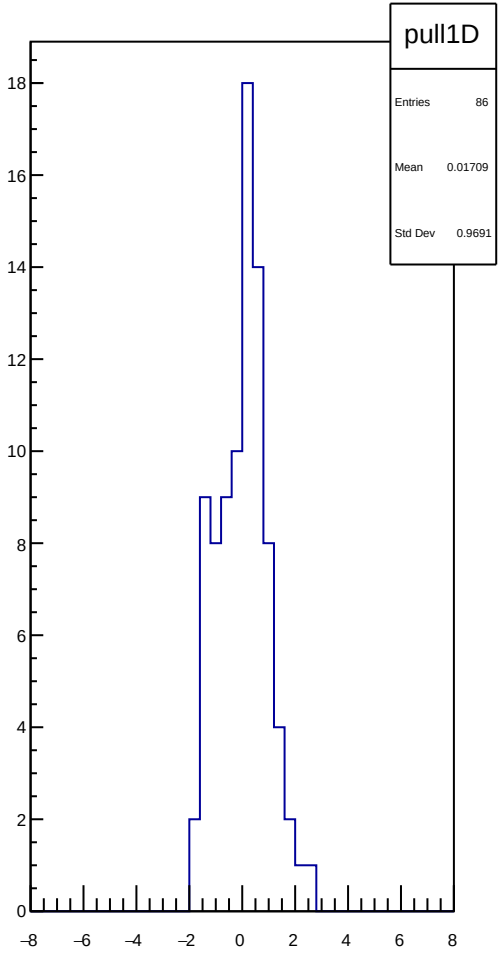

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 6.572e+04 / 85
p0 255.1 ± 0.2008
600
550
500
450
400
350
300
250
200

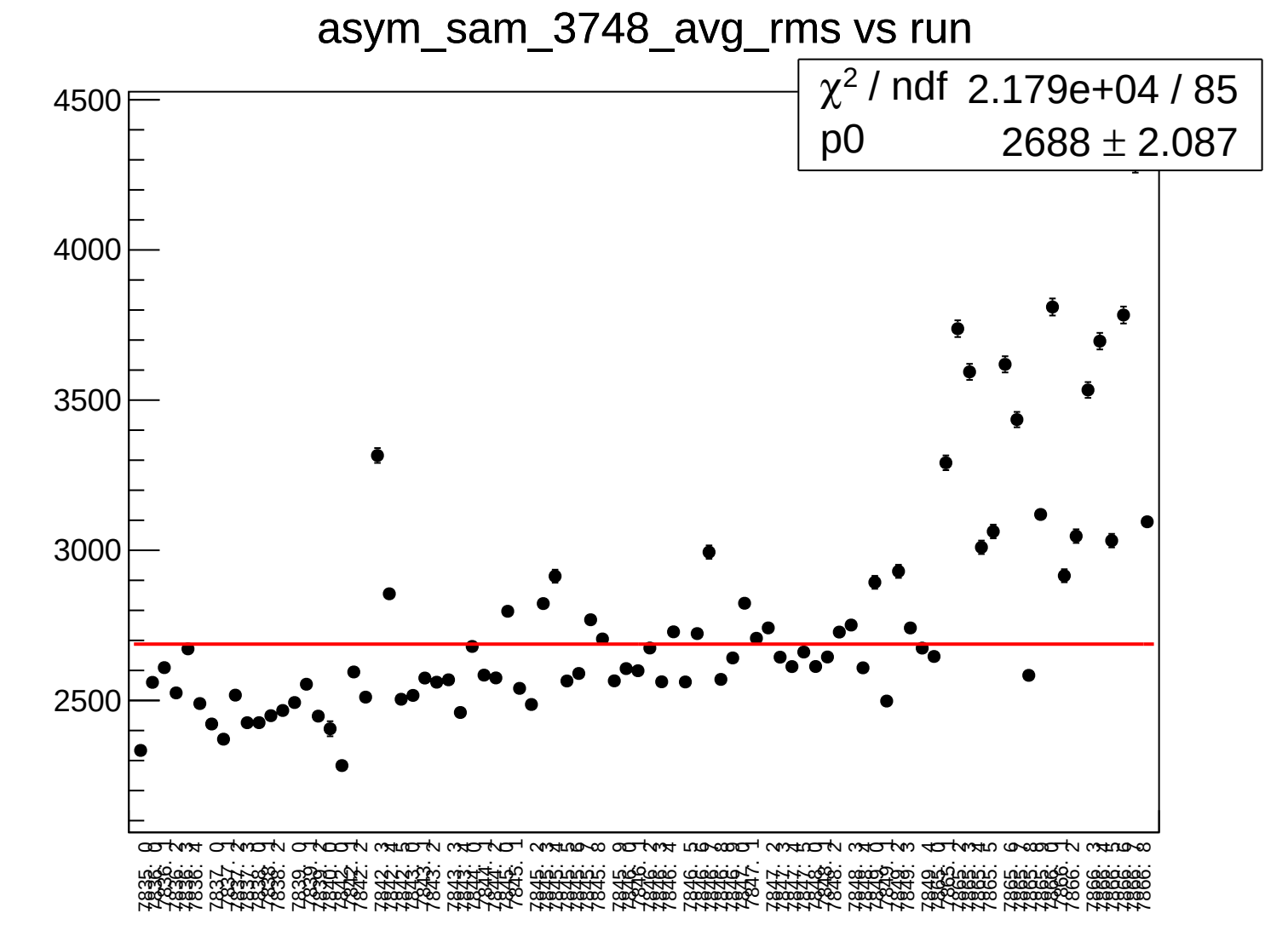

asym_sam_3748_avg_correction_mean vs run
×10^3
χ² / ndf 81.8 / 85
p0 −185.8 ± 2969
100
50
0
−50
−100
pull
Entries 86
Mean 202.7
Std Dev 169.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

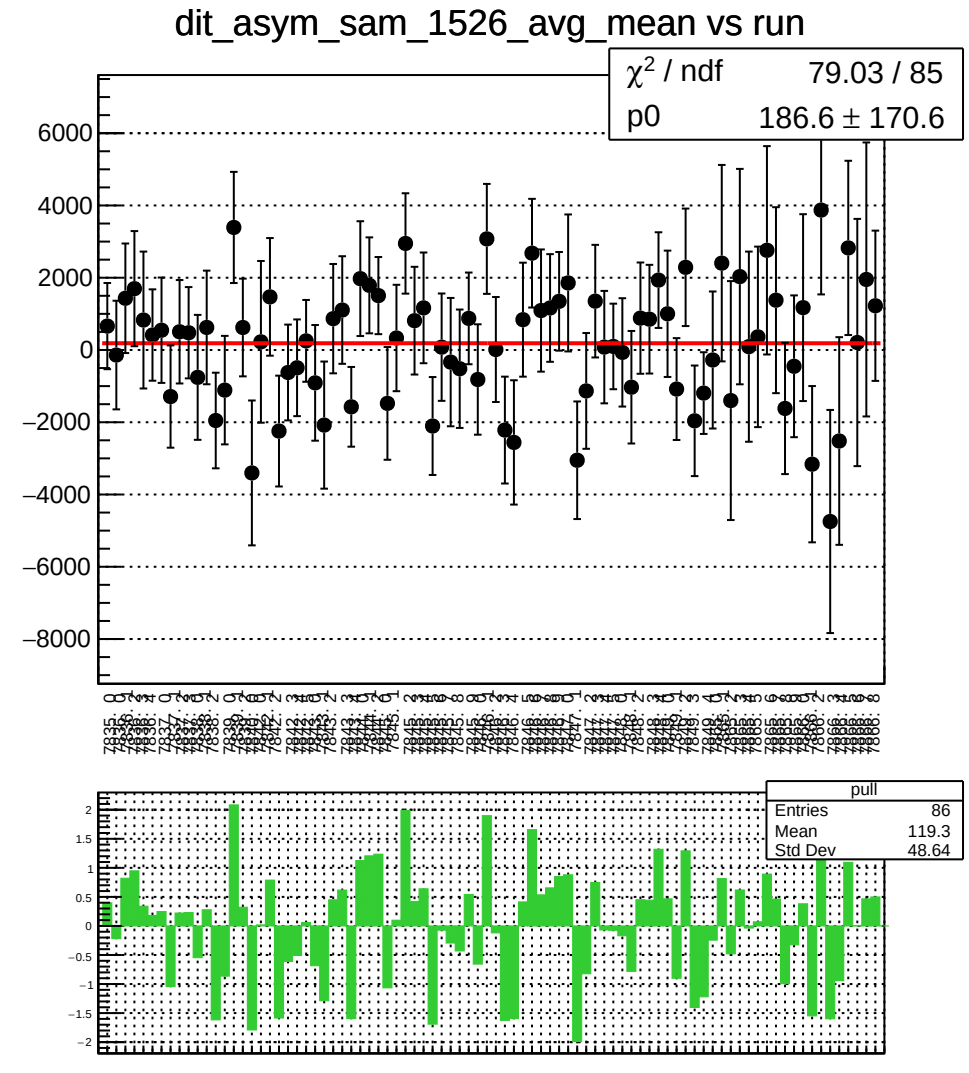

pull1D
Entries 86
Mean −0.01554
Std Dev 0.9751
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

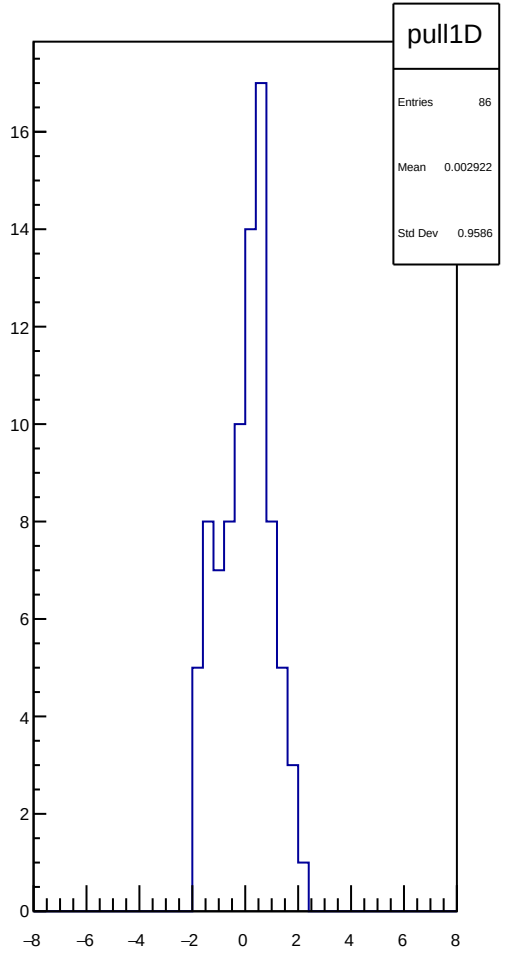

asym_sam_3748_avg_correction_rms vs run
χ^2 / ndf 2.217e+04 / 85
p0 2703 ± 2.099
4500
4000
3500
3000
2500

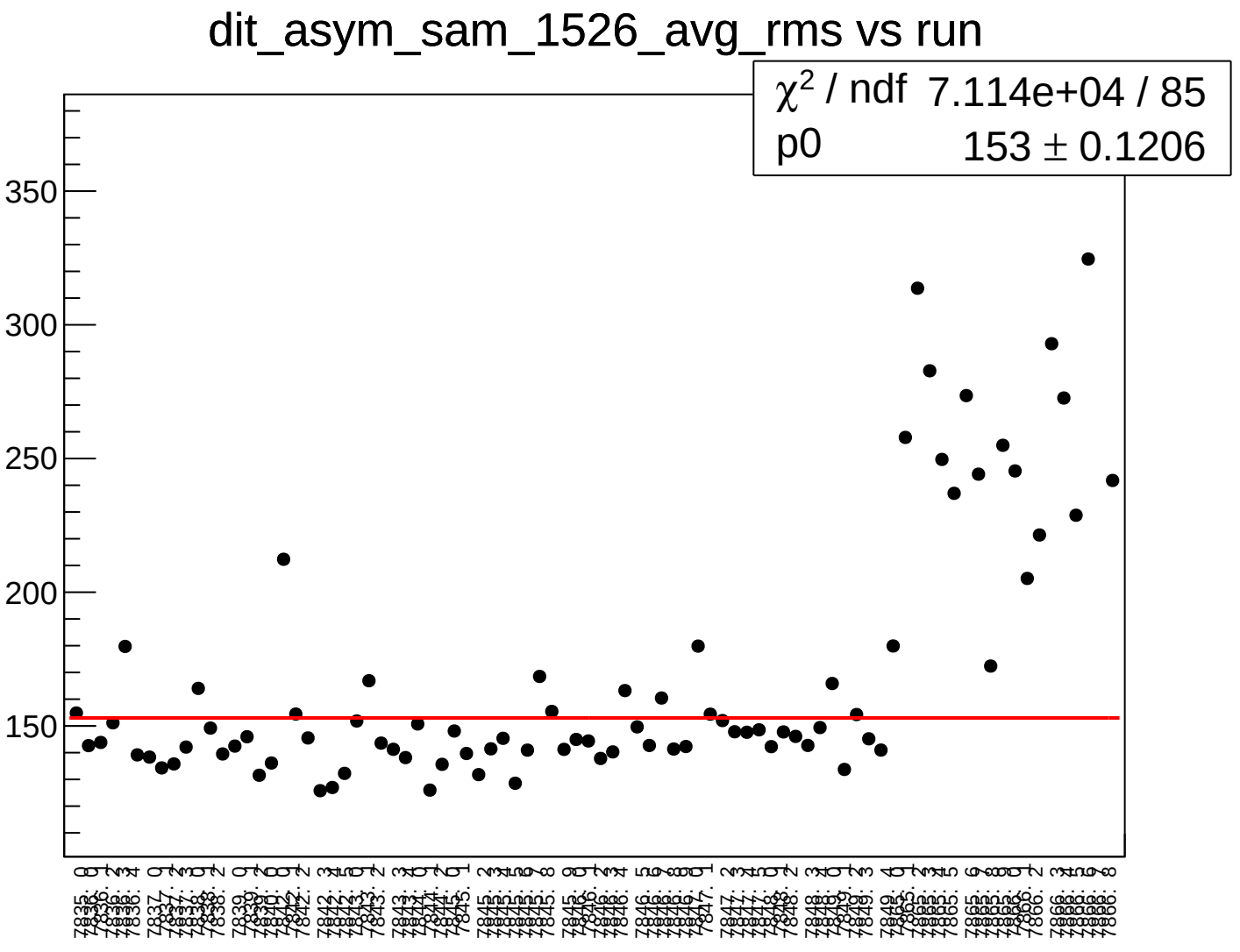

asym_sam_3748_avg_mean vs run
×10^3
χ² / ndf 80.8 / 85
p0 368.8 ± 2952
100
50
0
−50
−100
pull
Entries 86
Mean 195
Std Dev 160.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

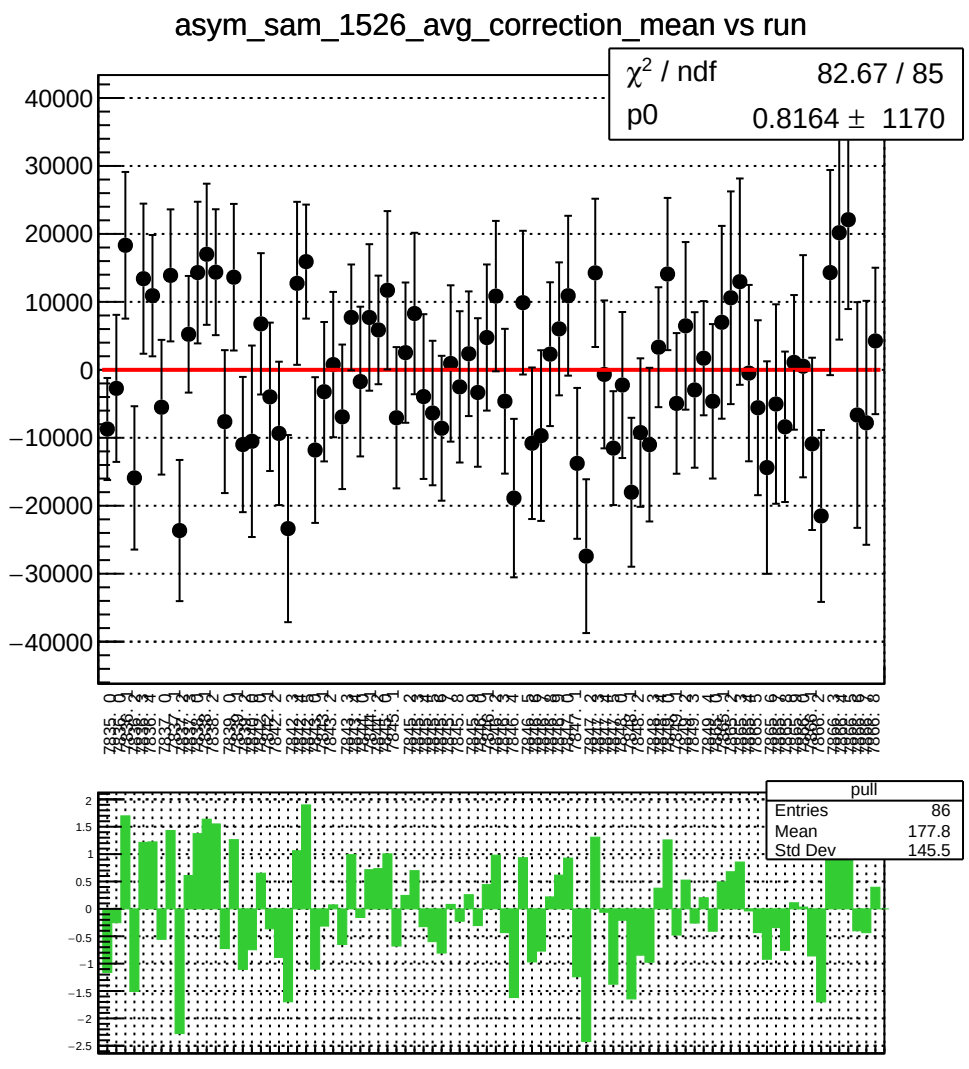

pull1D
Entries 86
Mean 0.01709
Std Dev 0.9691
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

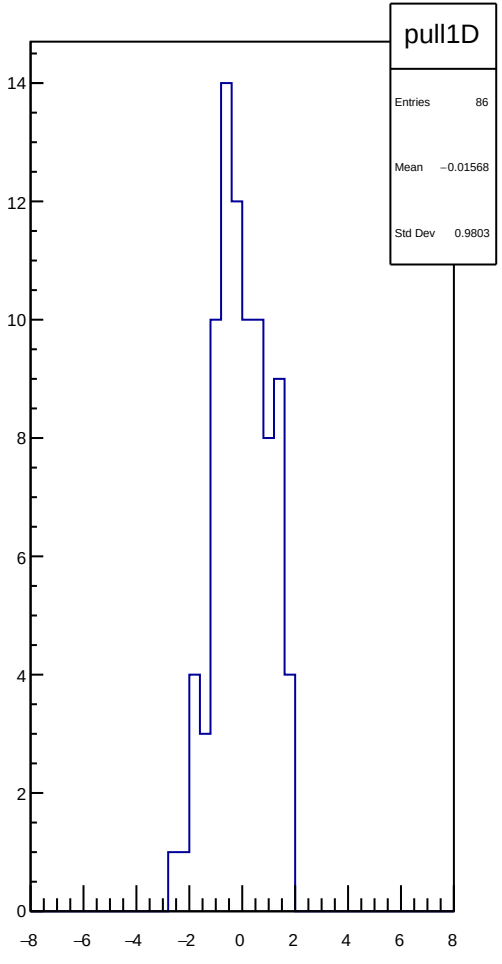

asym_sam_3748_avg_rms vs run
χ^2 / ndf 2.179e+04 / 85
p0 2688 ± 2.087
4500
4000
3500
3000
2500

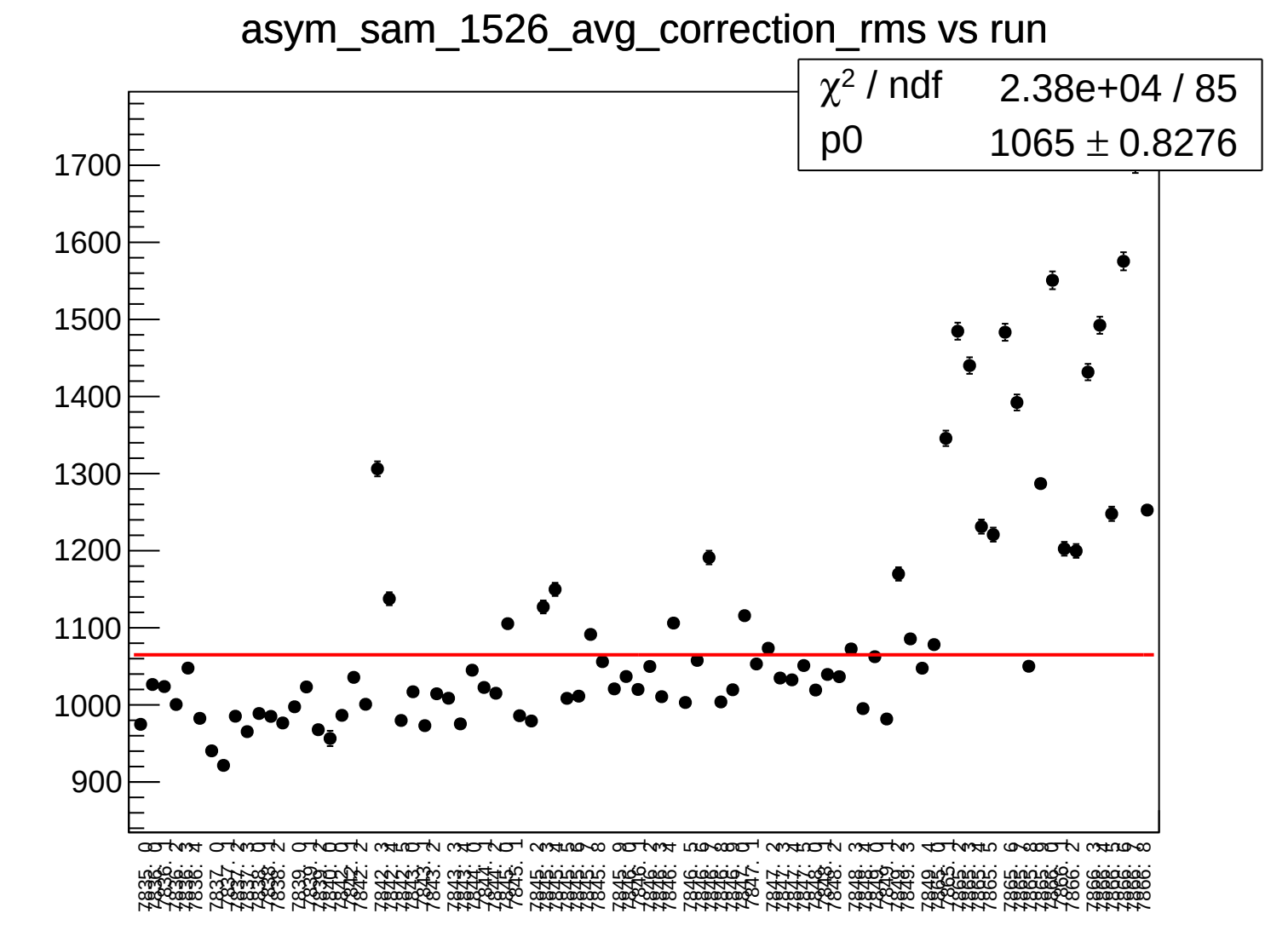

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 79.03 / 85
p0 186.6 ± 170.6
pull
Entries 86
Mean 119.3
Std Dev 48.64

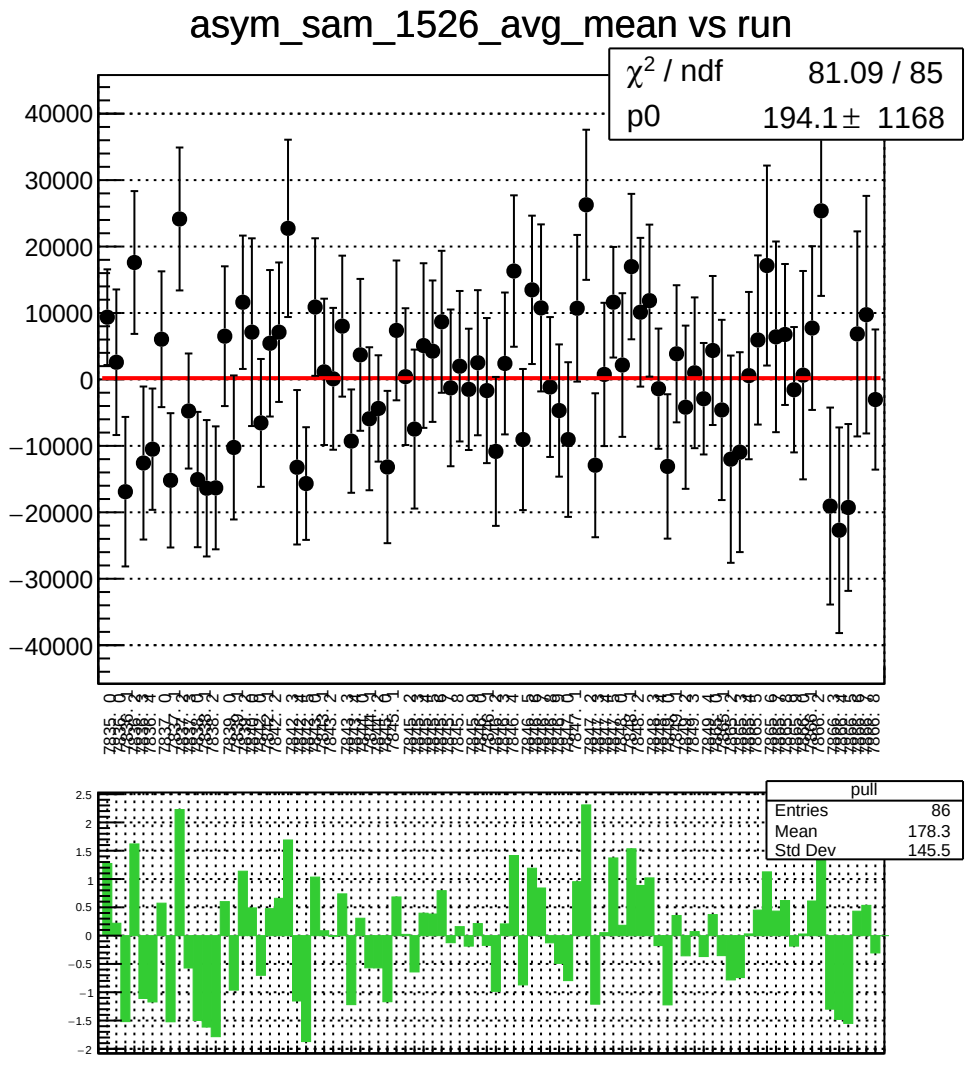

pull1D
Entries 86
Mean 0.002922
Std Dev 0.9586

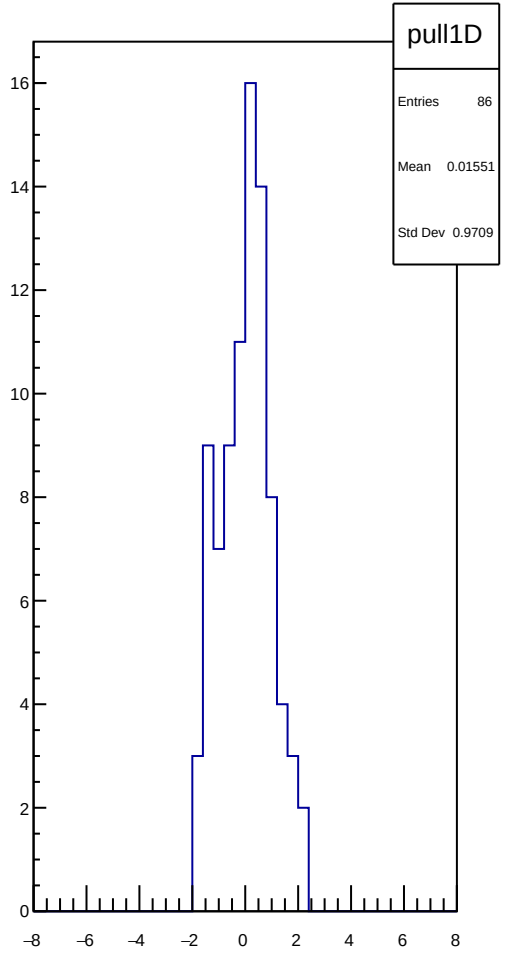

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 7.114e+04 / 85
p0 153 ± 0.1206
350
300
250
200
150

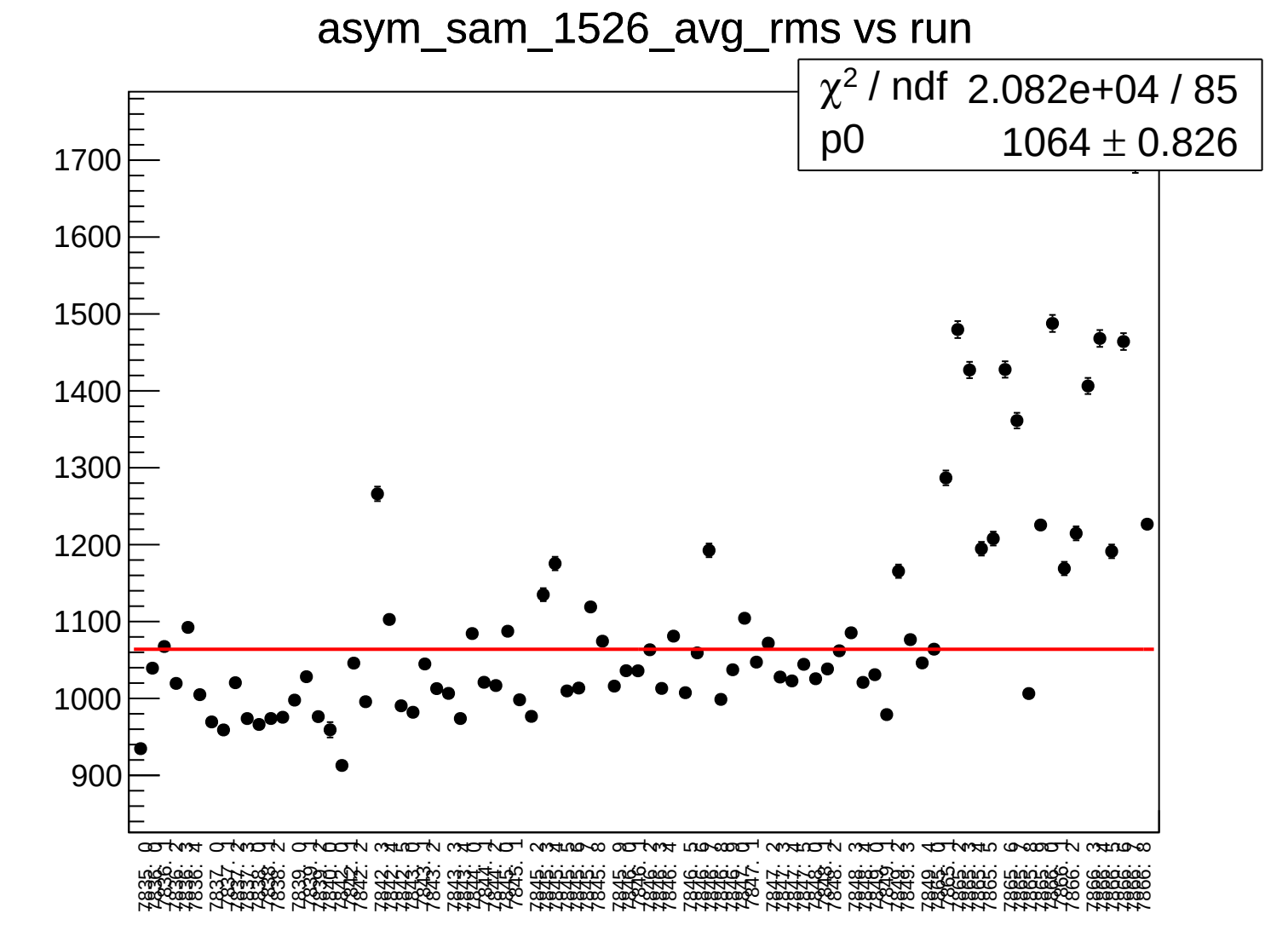

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 82.67 / 85
p0 0.8164 ± 1170
pull
Entries 86
Mean 177.8
Std Dev 145.5

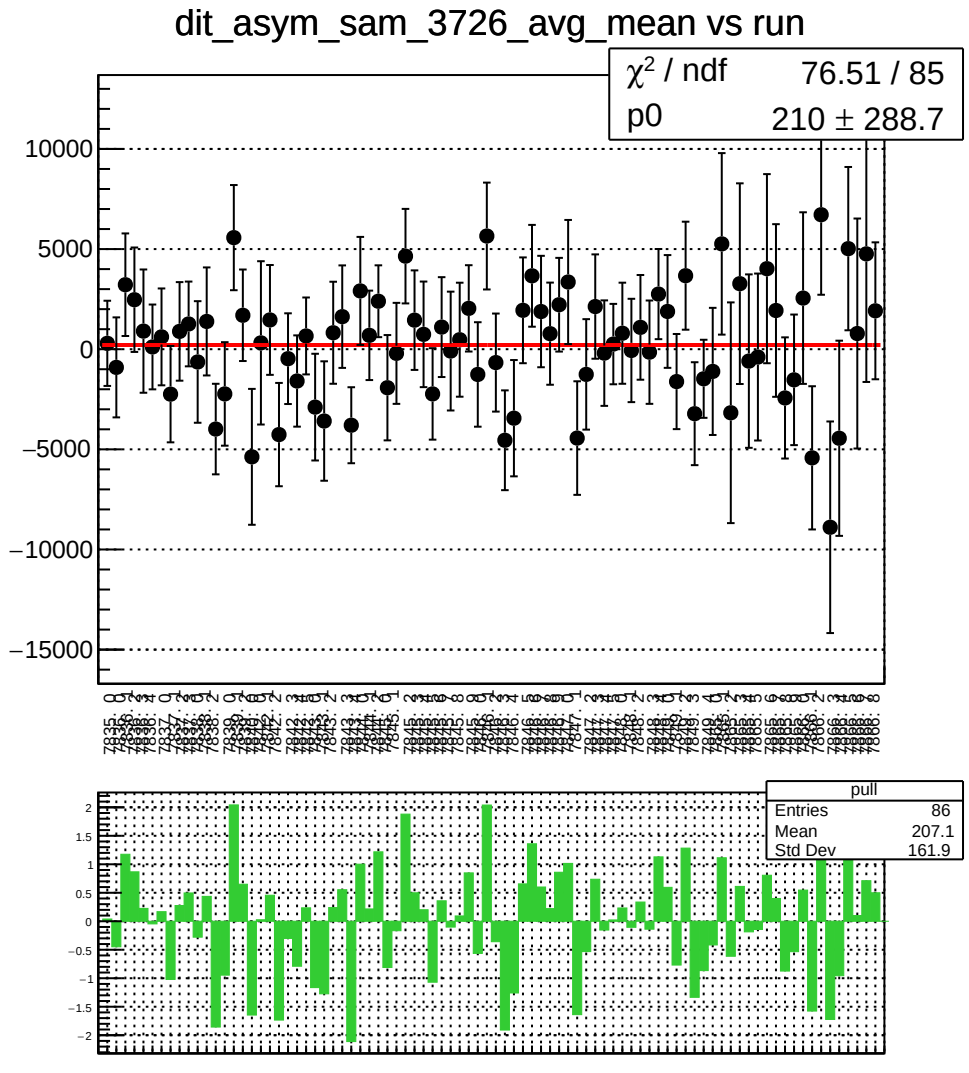

pull1D
Entries 86
Mean −0.01568
Std Dev 0.9803

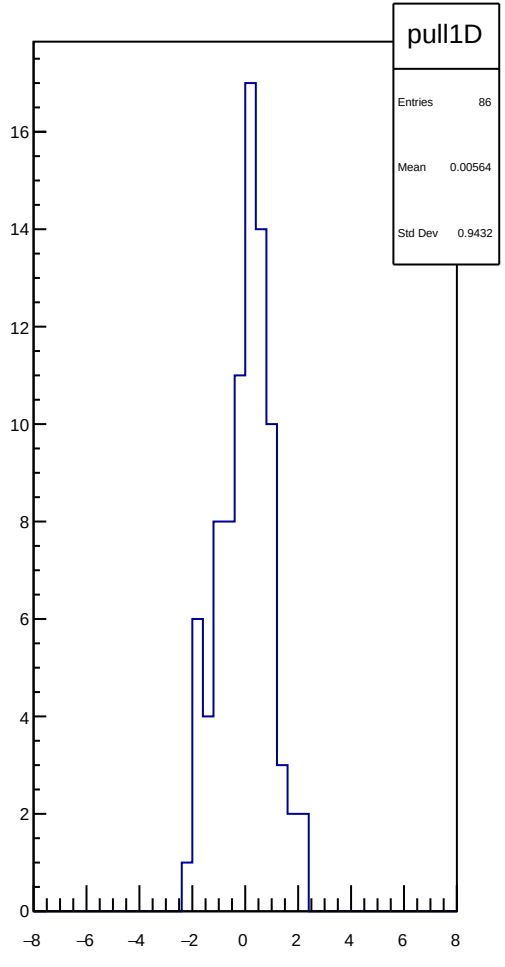

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 2.38e+04 / 85
p0 1065 ± 0.8276
1700
1600
1500
1400
1300
1200
1100
1000
900

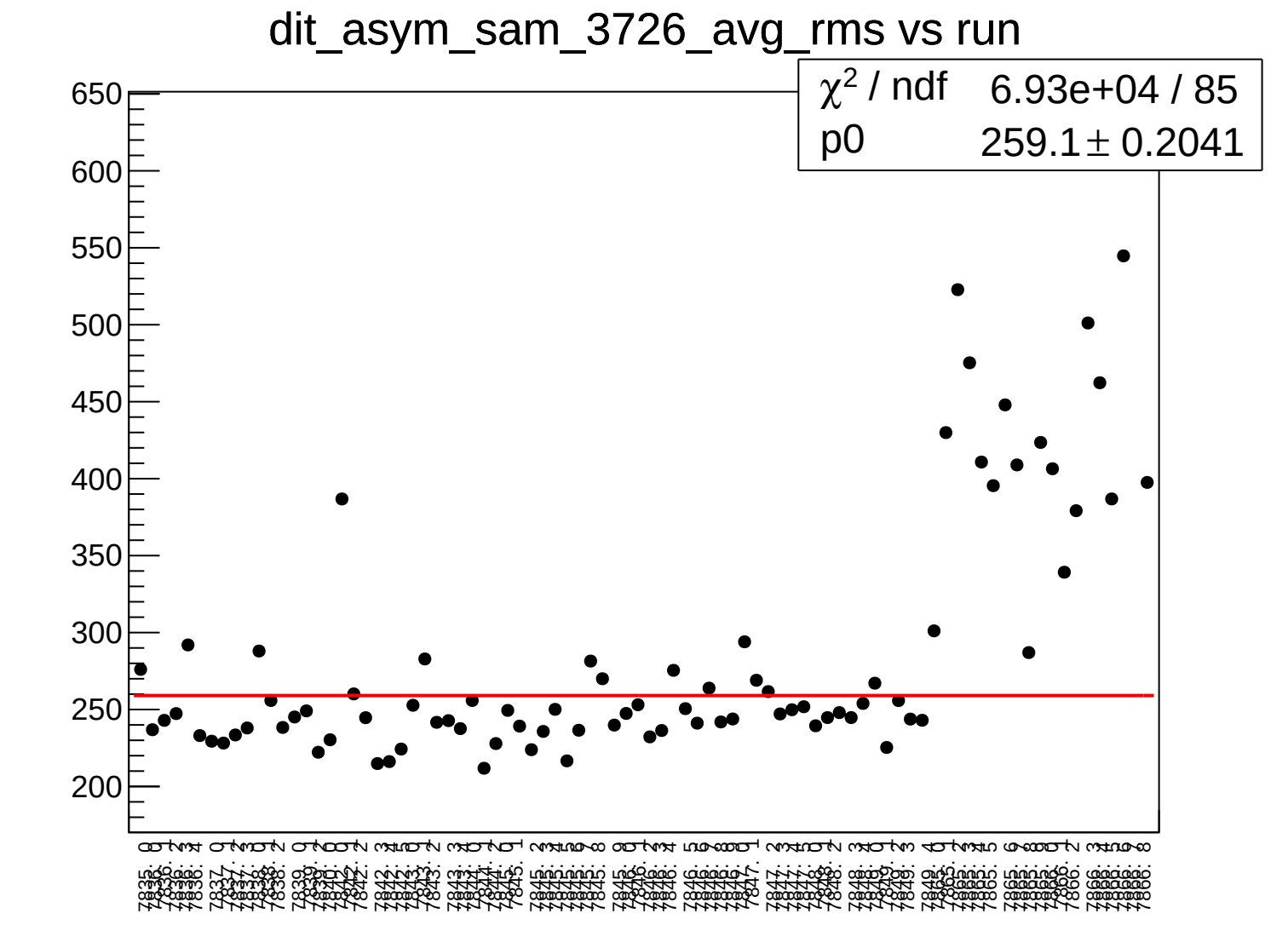

asym_sam_1526_avg_mean vs run
χ² / ndf 81.09 / 85
p0 194.1± 1168
pull
Entries 86
Mean 178.3
Std Dev 145.5

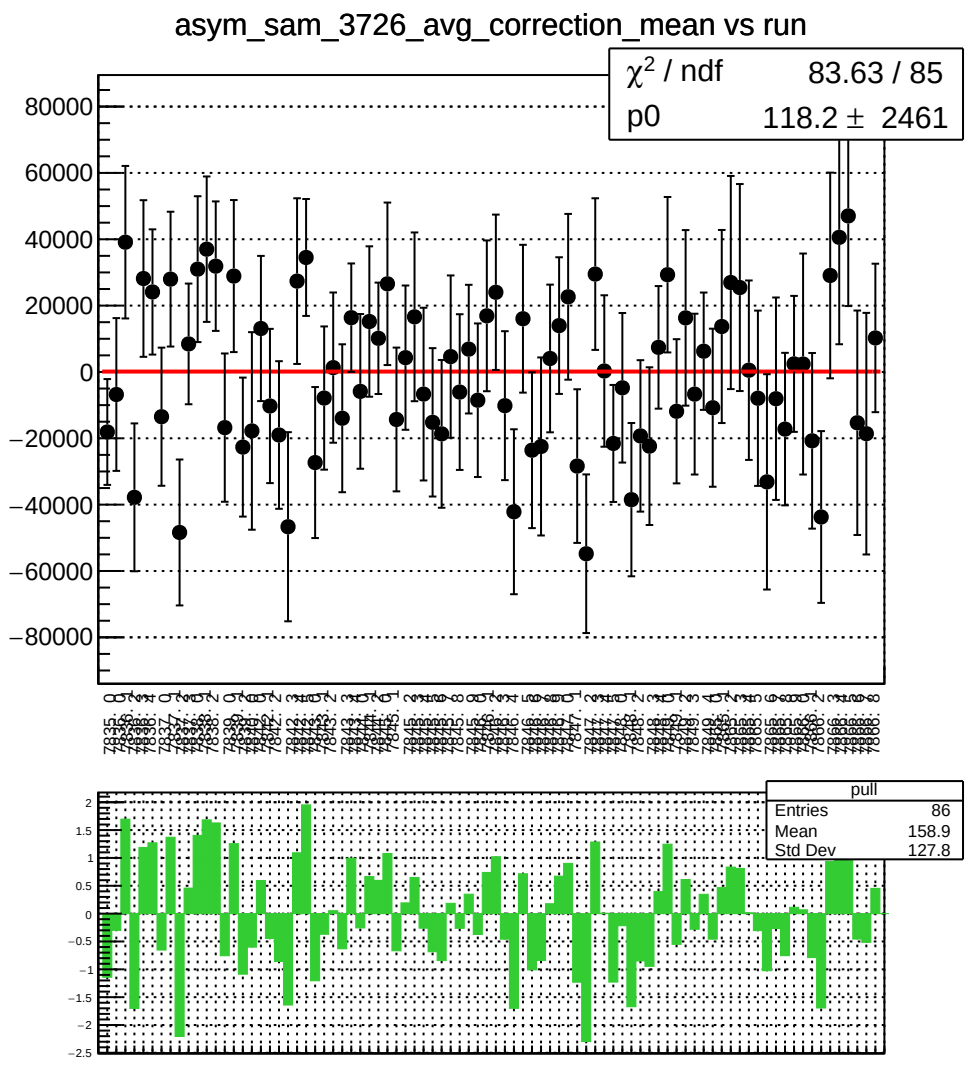

pull1D
Entries 86
Mean 0.01551
Std Dev 0.9709

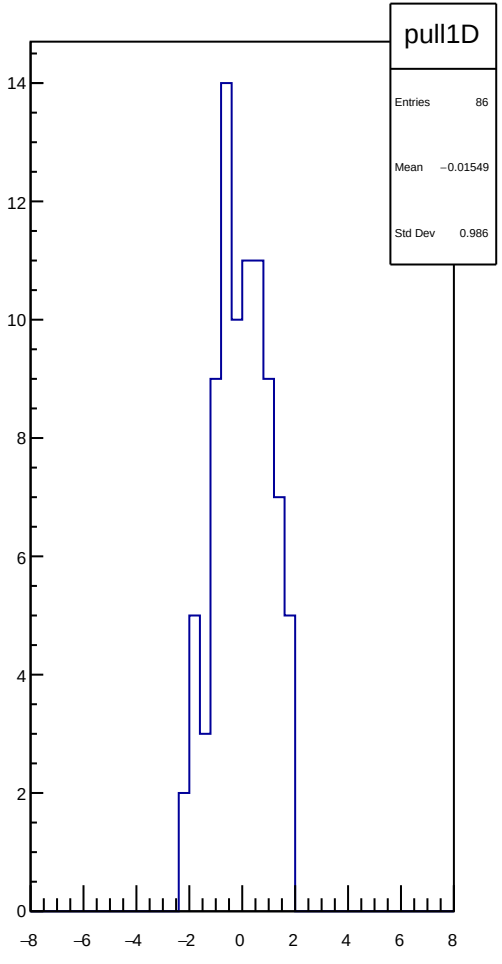

asym_sam_1526_avg_rms vs run
χ^2 / ndf 2.082e+04 / 85
p0 1064 ± 0.826
1700
1600
1500
1400
1300
1200
1100
1000
900

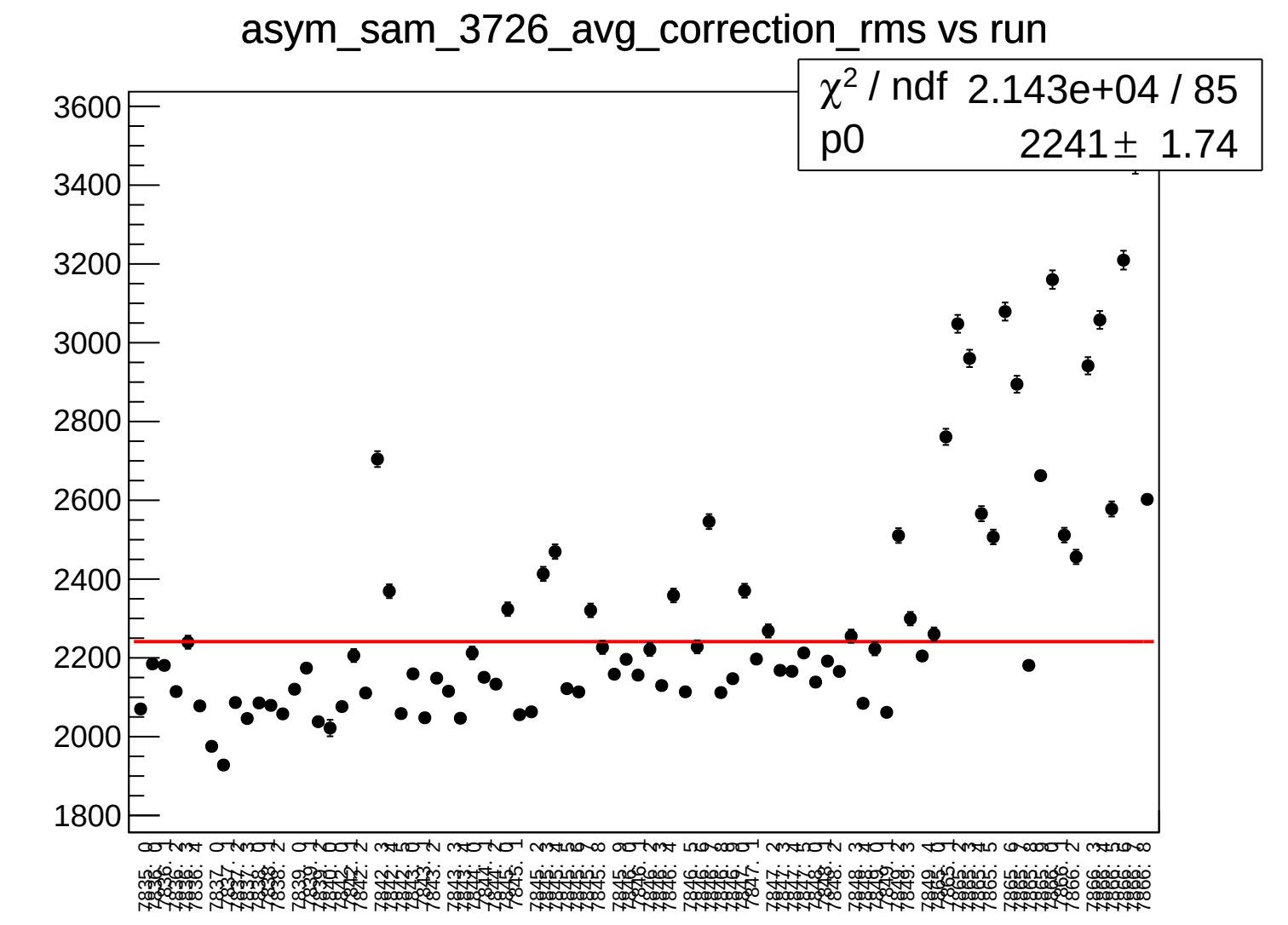

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 76.51 / 85
p0 210 ± 288.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 207.1
Std Dev 161.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

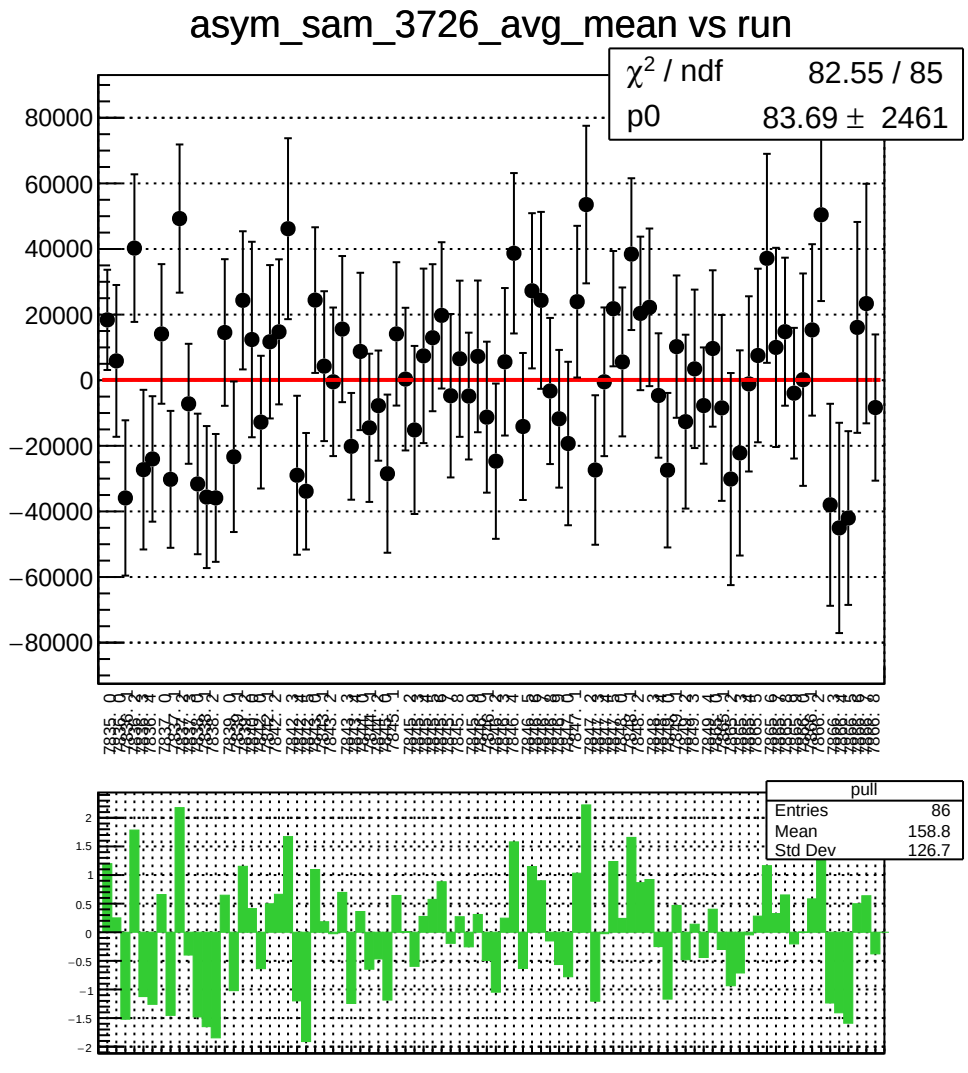

pull1D
Entries 86
Mean 0.00564
Std Dev 0.9432
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

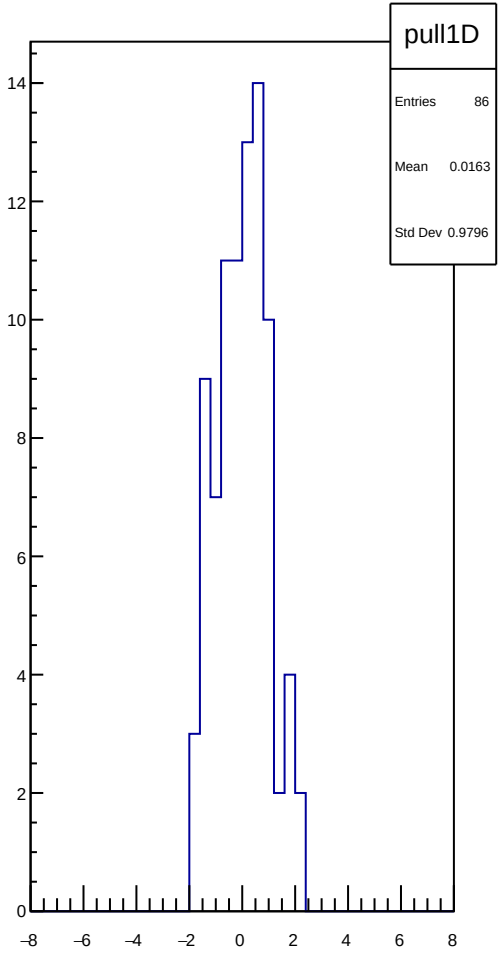

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 6.93e+04 / 85
p0 259.1 ± 0.2041
650
600
550
500
450
400
350
300
250
200

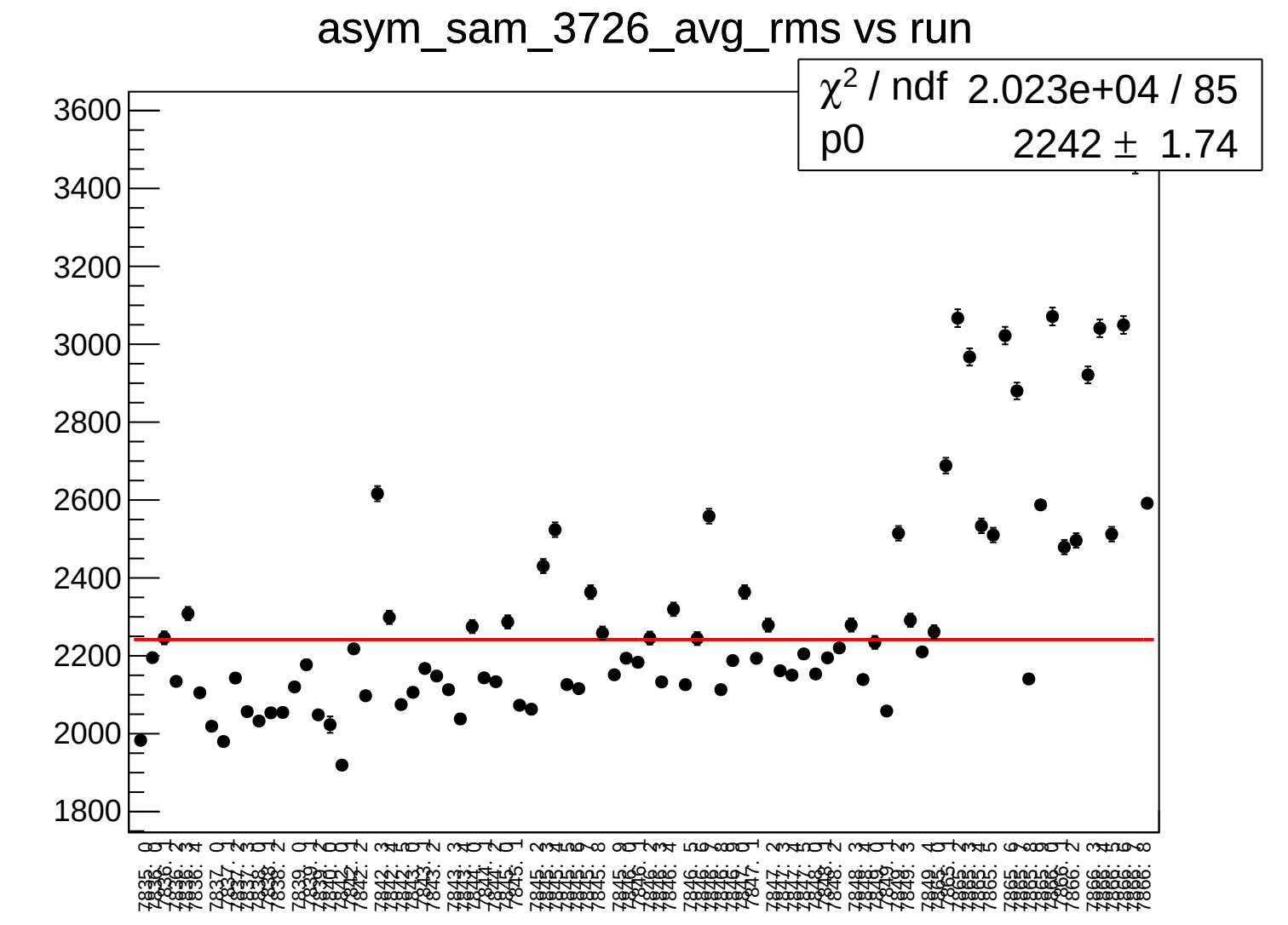

asym_sam_3726_avg_correction_mean vs run
χ^2 / ndf 83.63 / 85
p0 118.2 ± 2461
pull
Entries 86
Mean 158.9
Std Dev 127.8

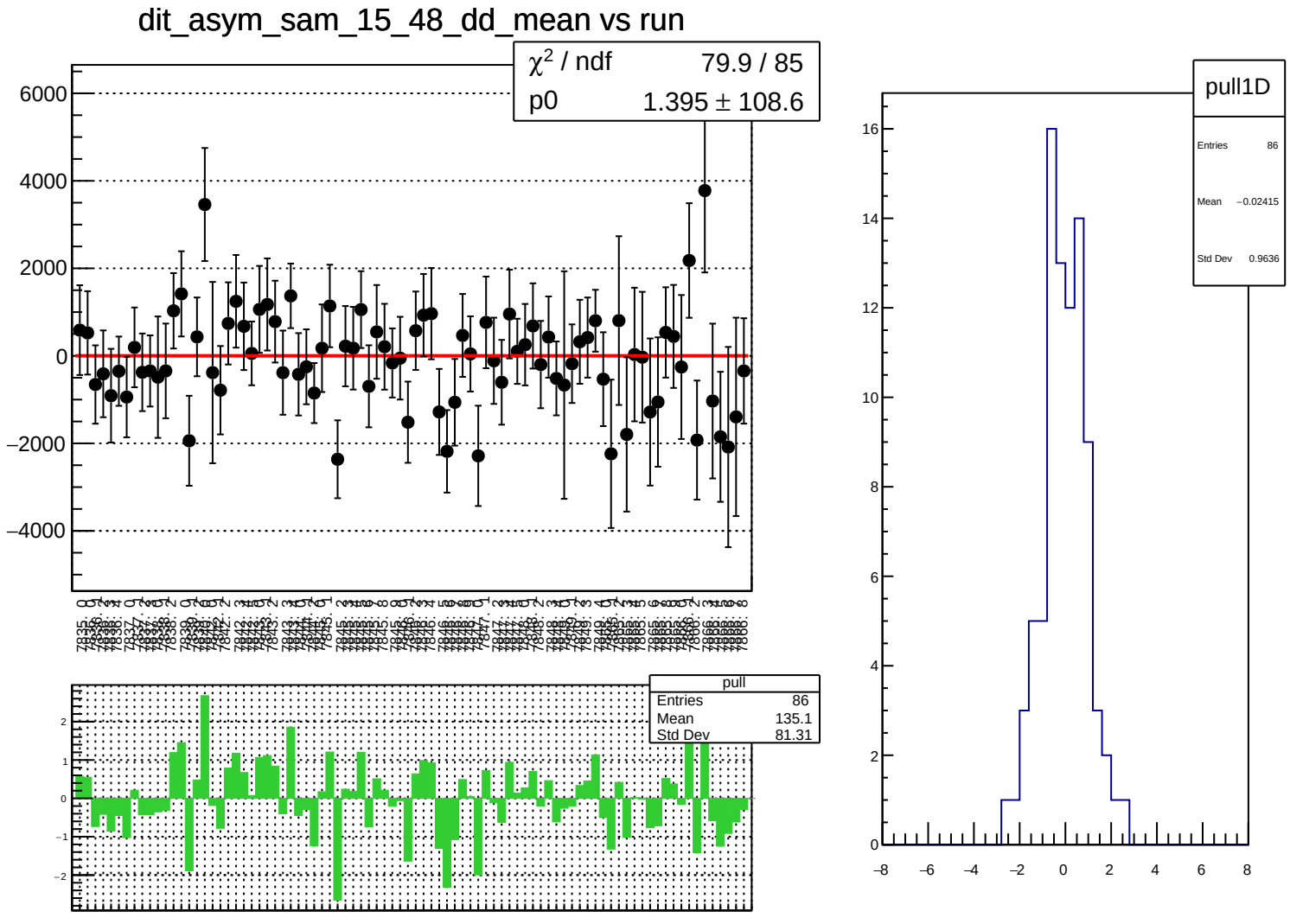

pull1D
Entries 86
Mean −0.01549
Std Dev 0.986

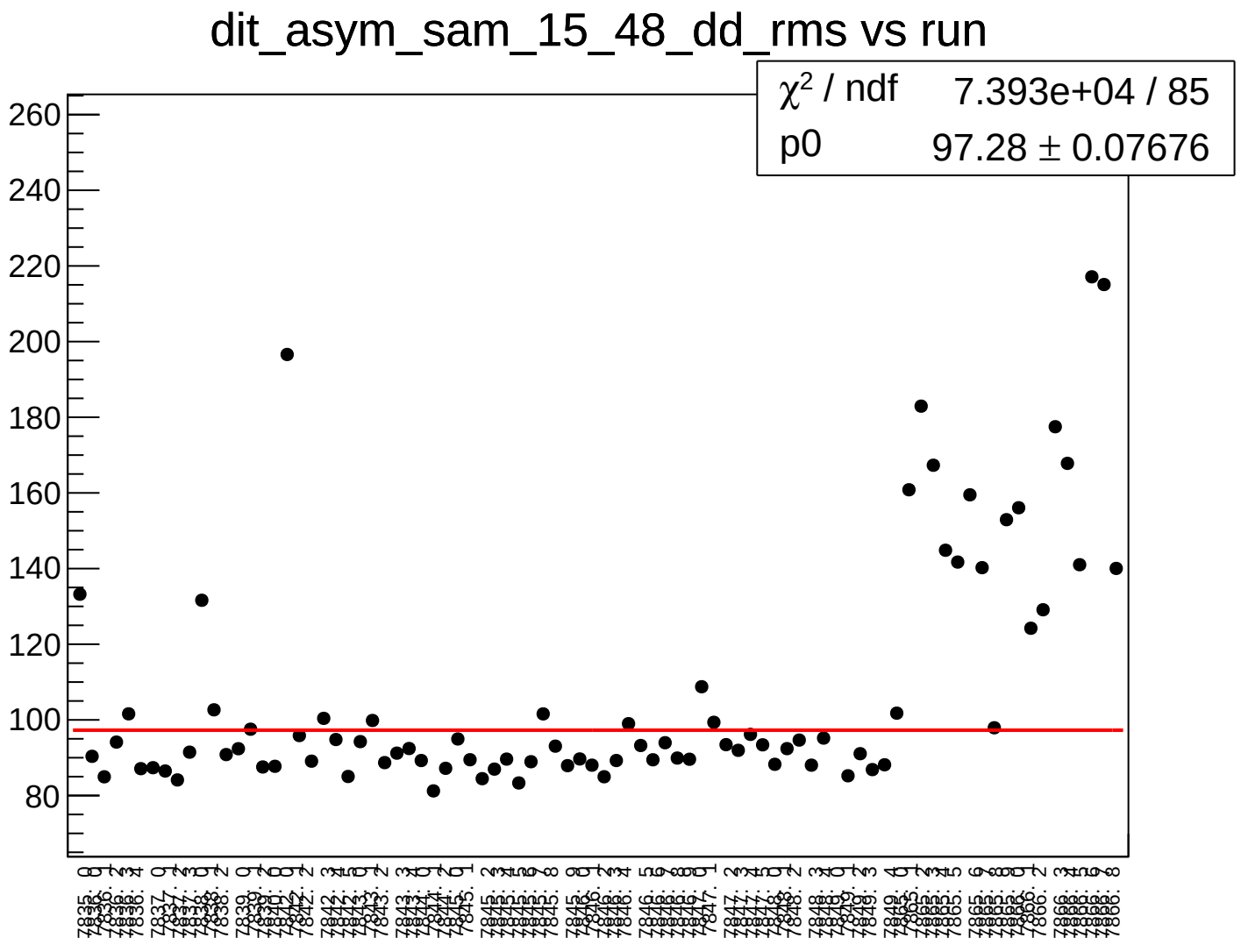

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 2.143e+04 / 85
p0 2241 ± 1.74
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

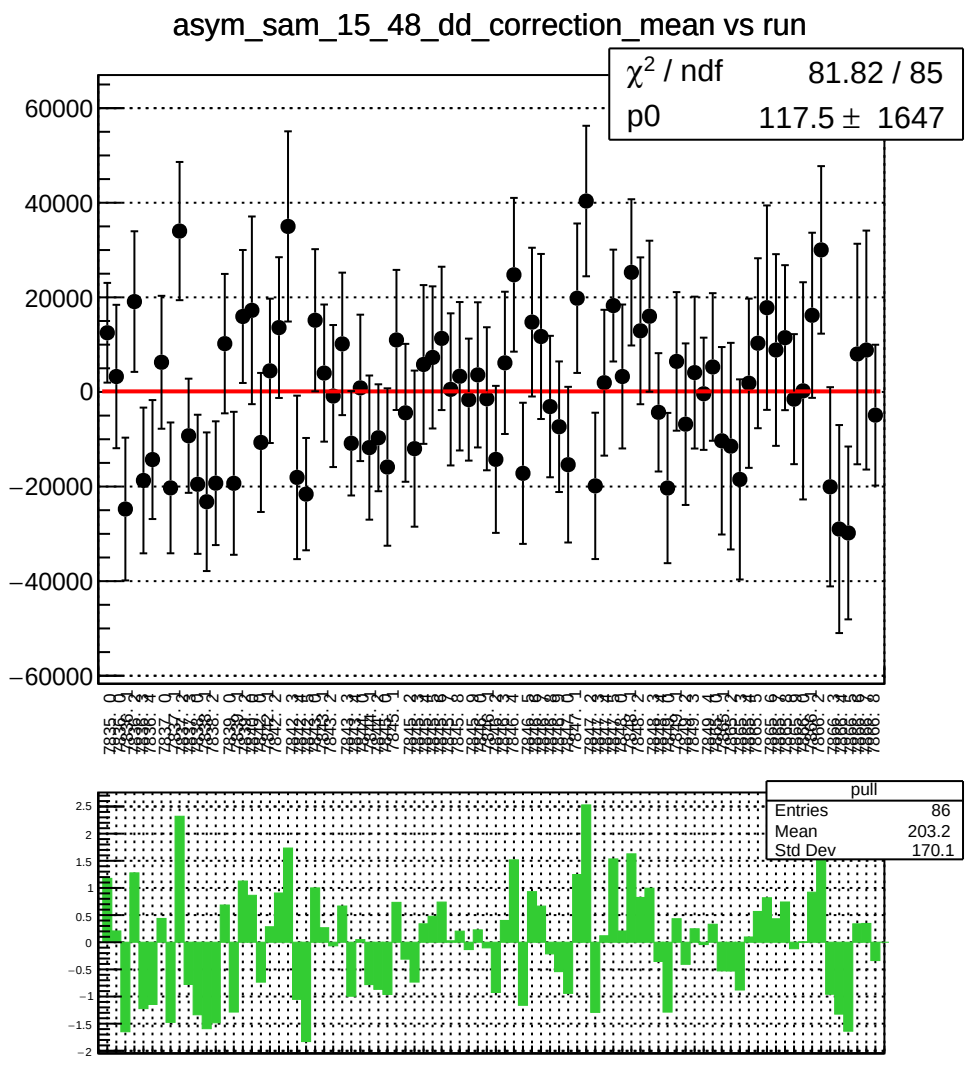

asym_sam_3726_avg_mean vs run
χ^2 / ndf 82.55 / 85
p0 83.69 ± 2461
pull
Entries 86
Mean 158.8
Std Dev 126.7

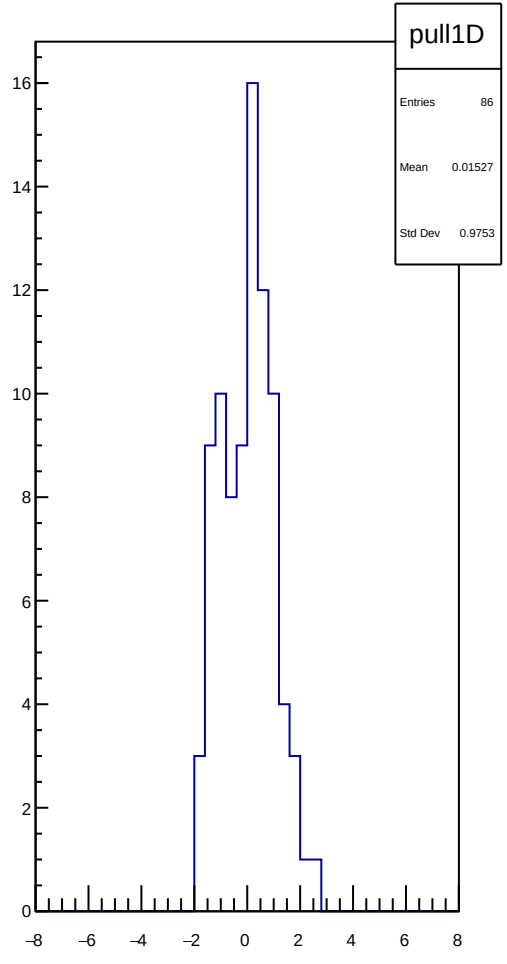

pull1D
Entries 86
Mean 0.0163
Std Dev 0.9796

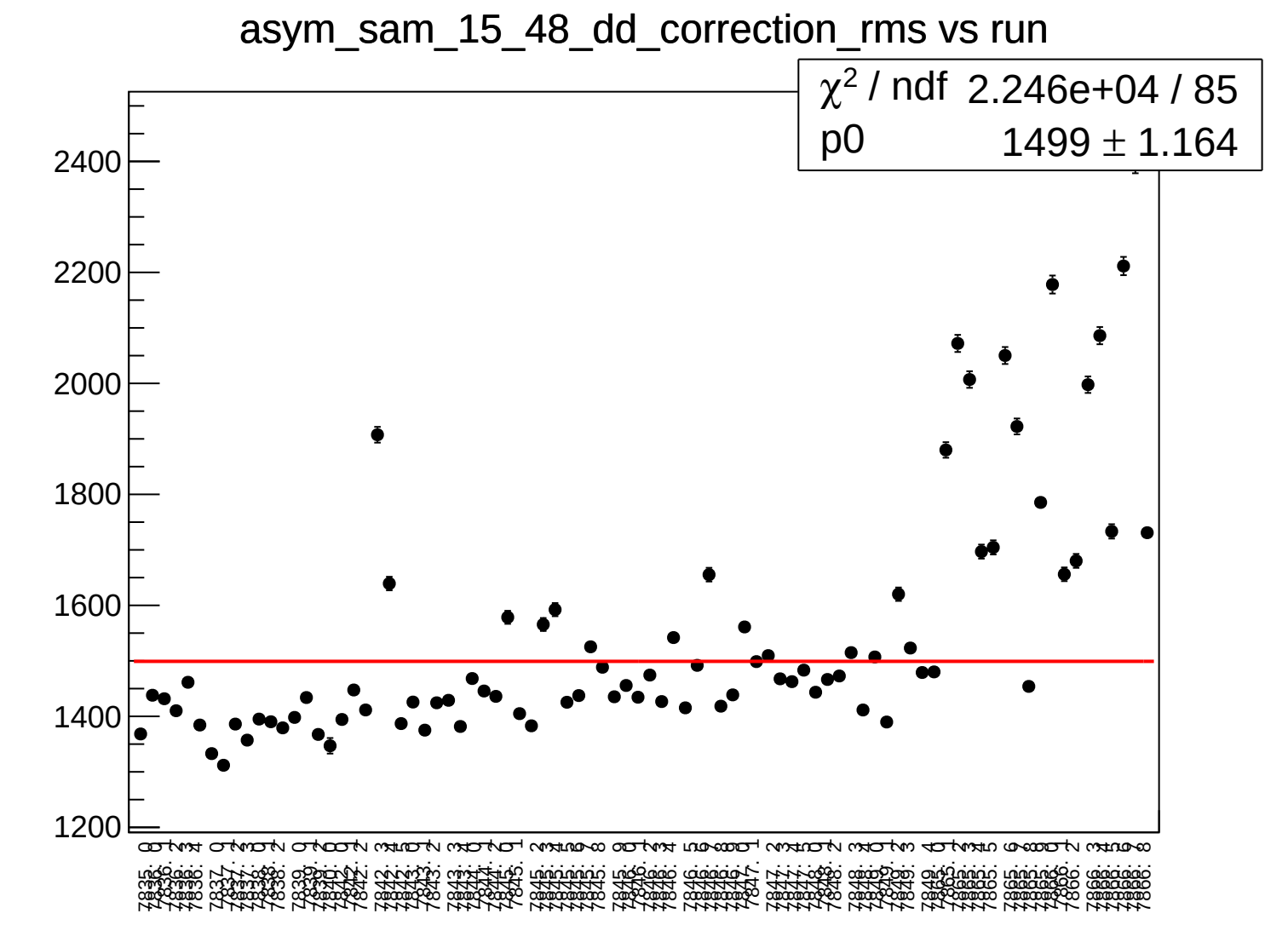

asym_sam_3726_avg_rms vs run
χ² / ndf 2.023e+04 / 85
p0 2242 ± 1.74
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800

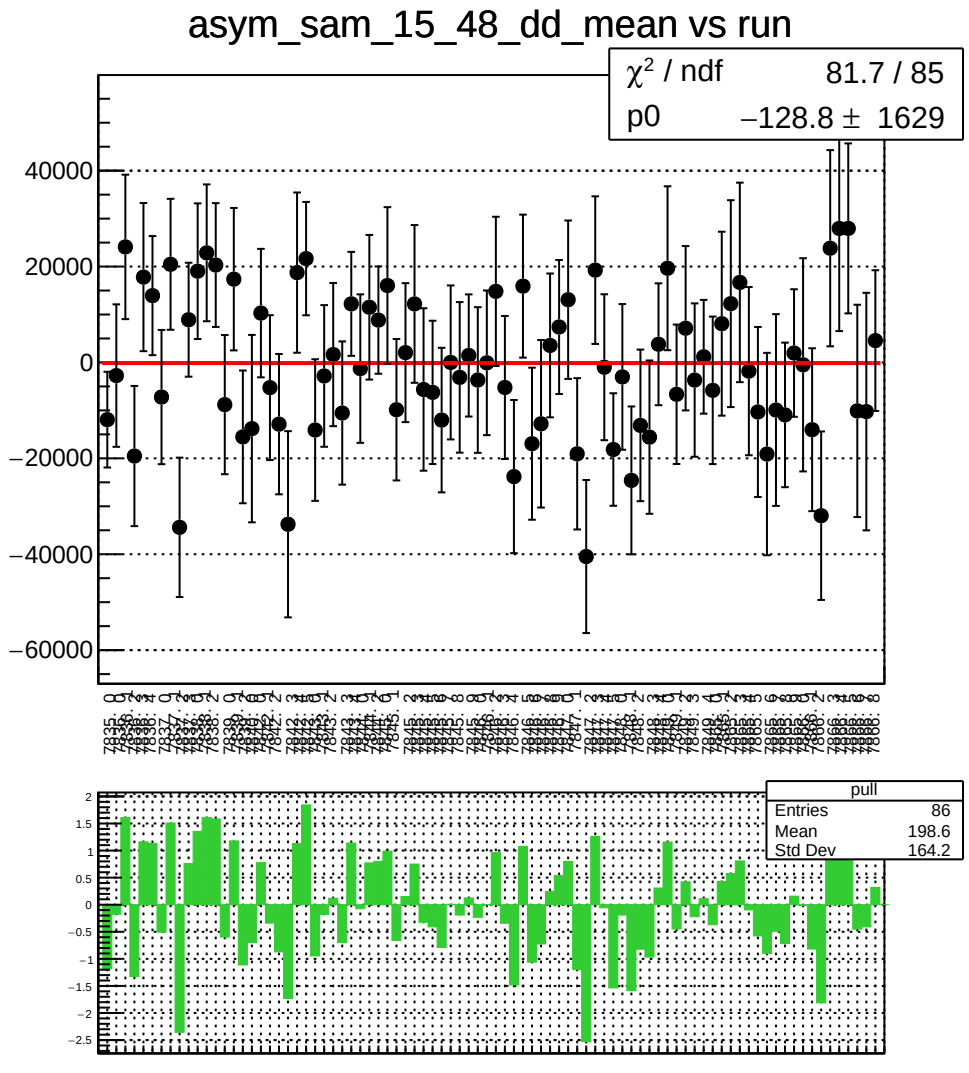

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 79.9 / 85
p0 1.395 ± 108.6
6000
4000
2000
0
−2000
−4000
pull
Entries 86
Mean 135.1
Std Dev 81.31
pull1D
Entries 86
Mean −0.02415
Std Dev 0.9636
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

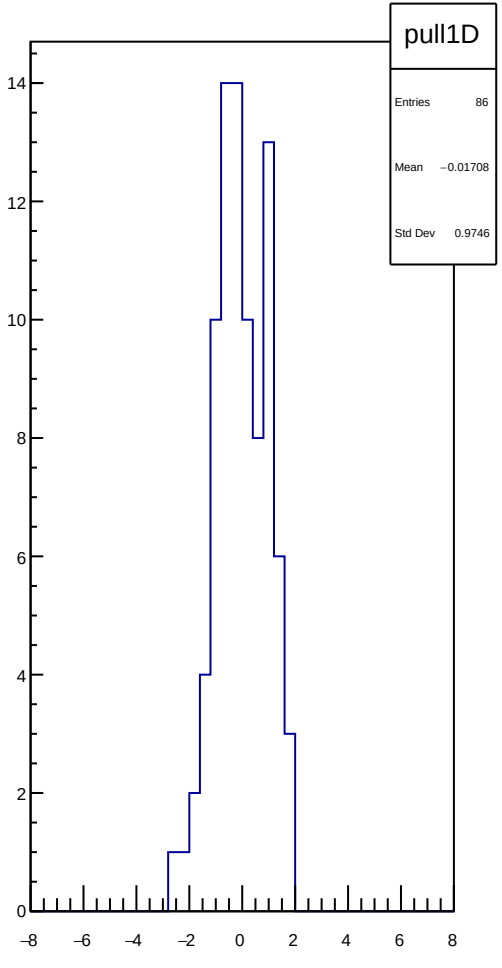

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 7.393e+04 / 85
p0 97.28 ± 0.07676
260
240
220
200
180
160
140
120
100
80

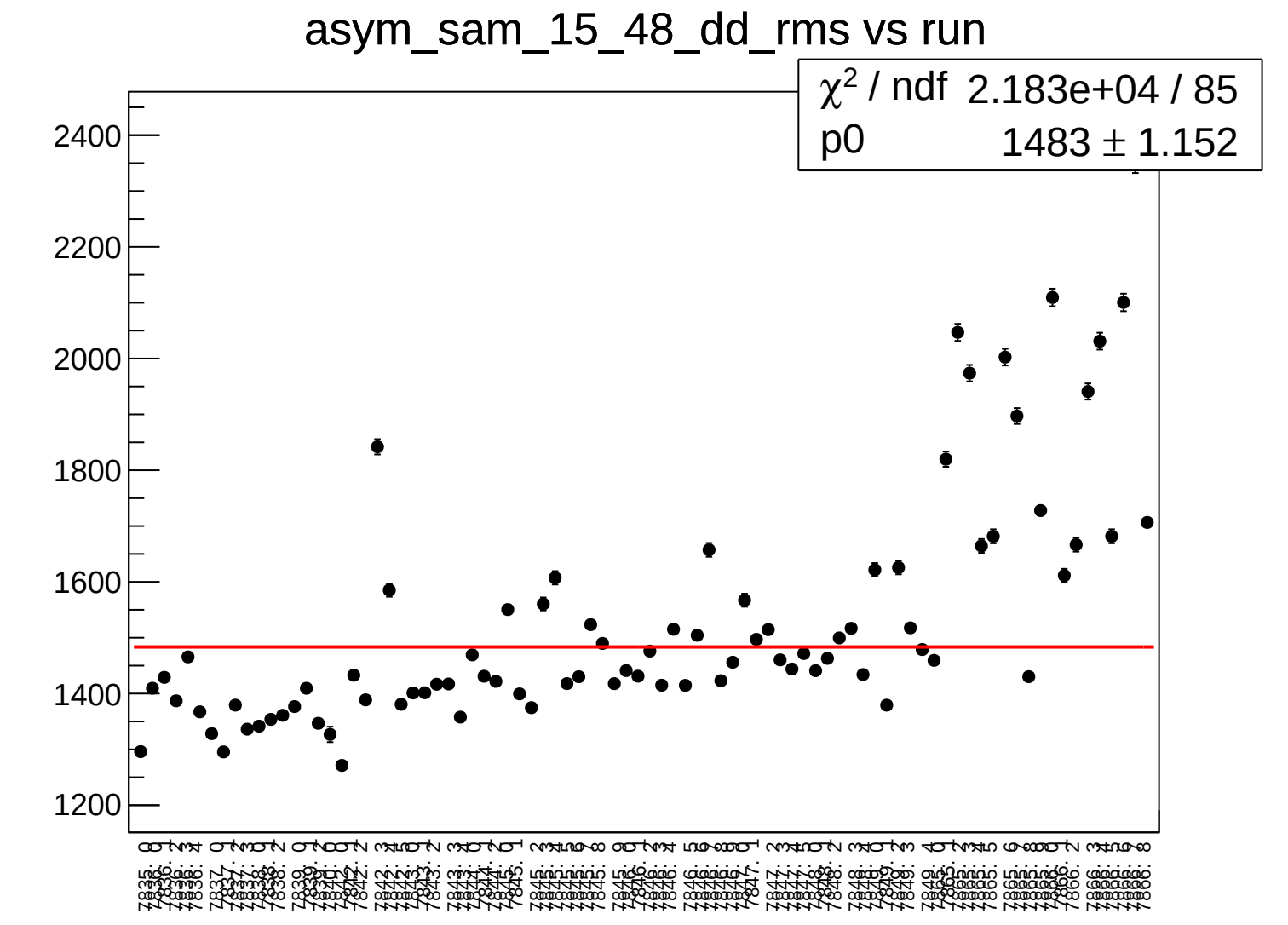

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 81.82 / 85
p0 117.5 ± 1647
pull
Entries 86
Mean 203.2
Std Dev 170.1

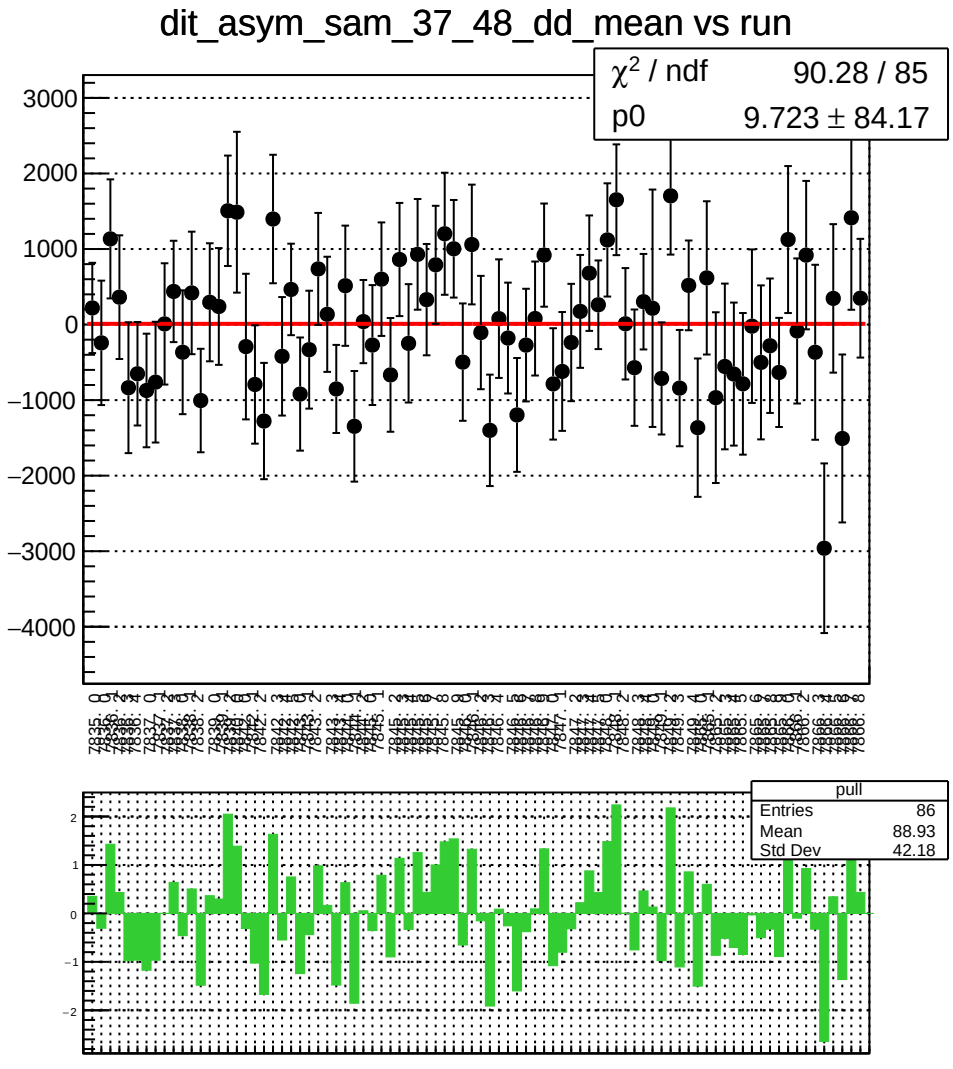

pull1D
Entries 86
Mean 0.01527
Std Dev 0.9753

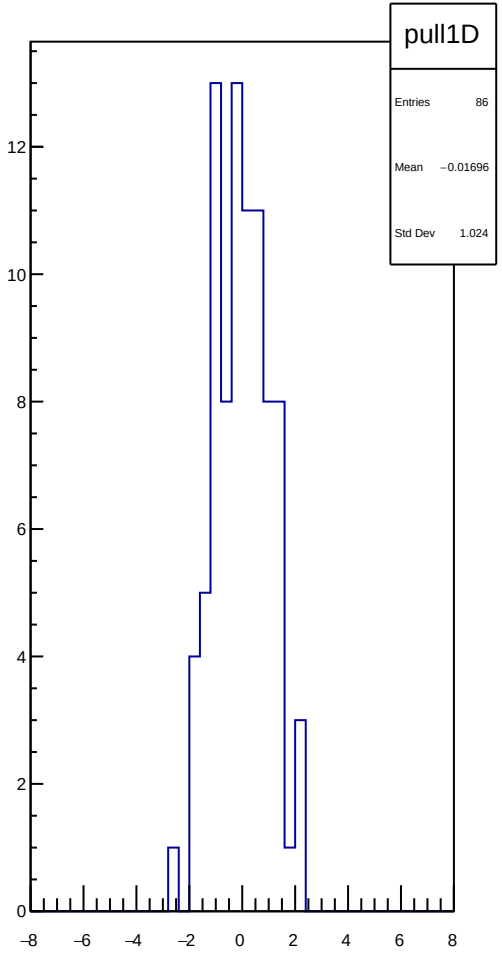

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 2.246e+04 / 85
p0 1499 ± 1.164
2400
2200
2000
1800
1600
1400
1200

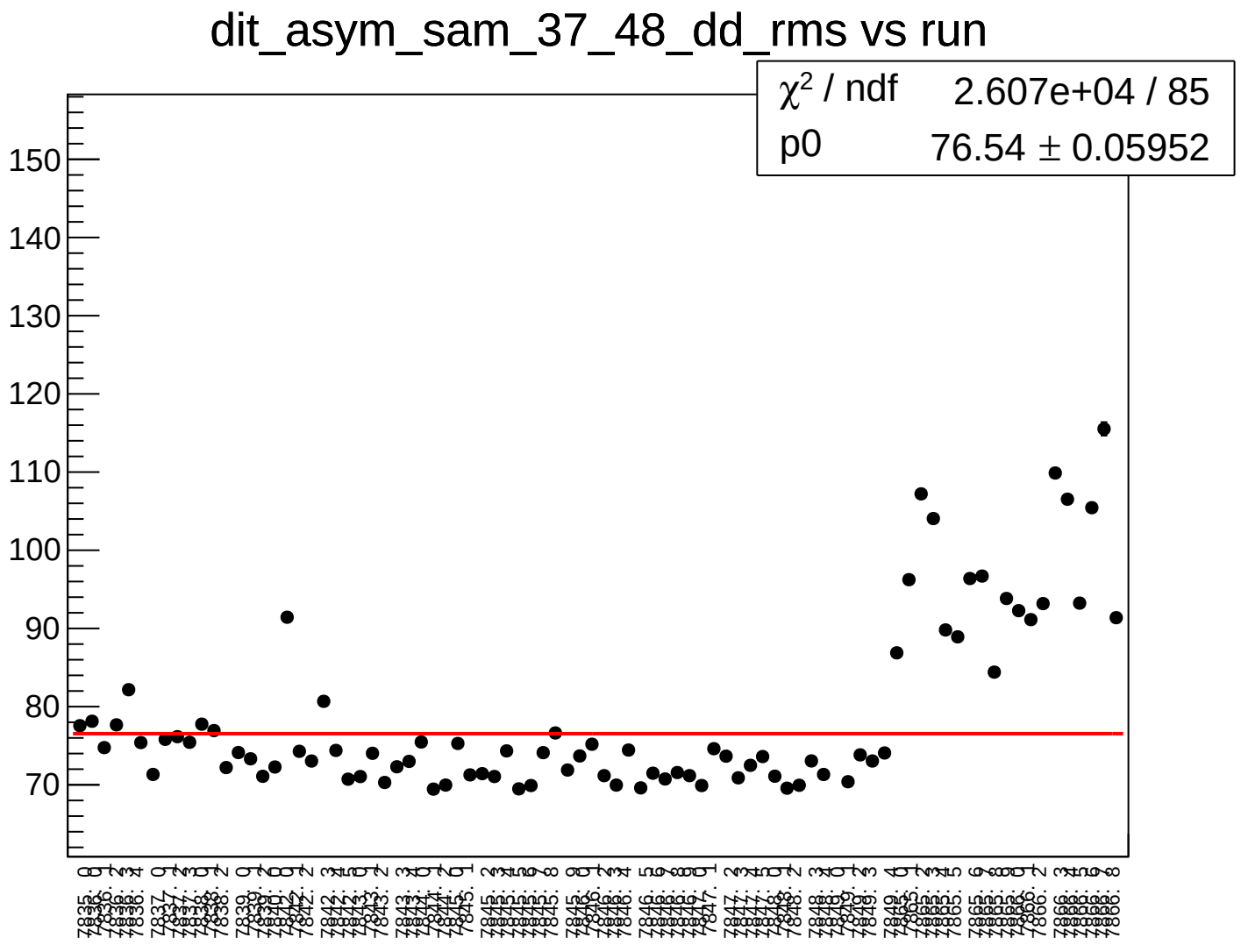

asym_sam_15_48_dd_mean vs run
χ² / ndf 81.7 / 85
p0 −128.8 ± 1629
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 198.6
Std Dev 164.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

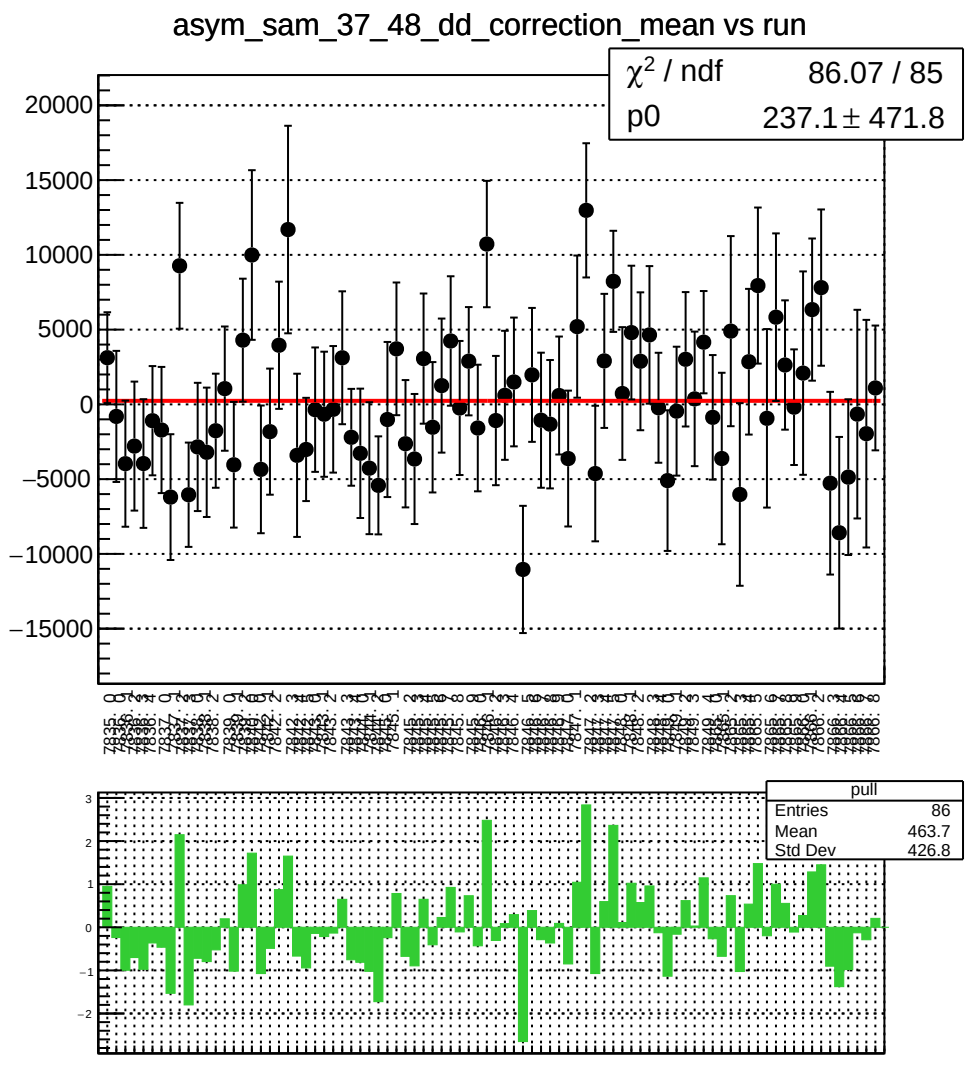

pull1D
Entries 86
Mean −0.01708
Std Dev 0.9746
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

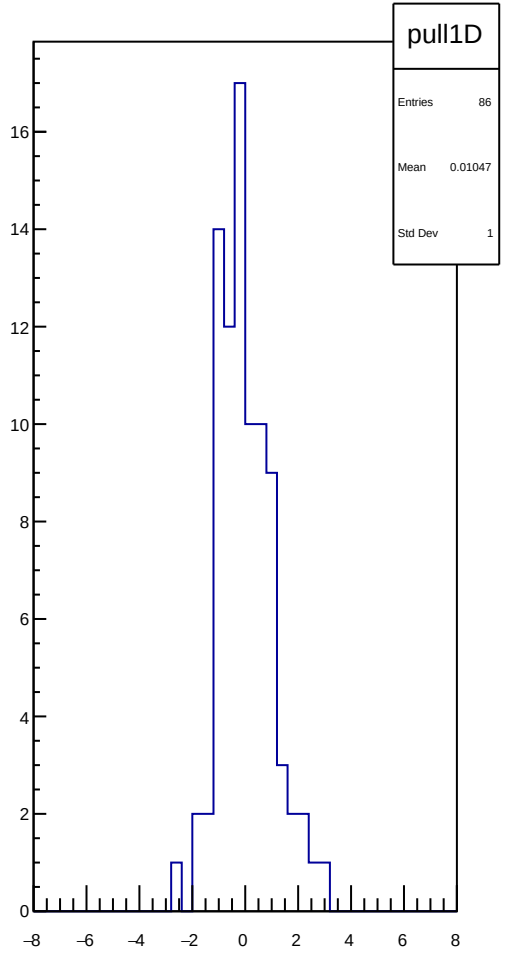

asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.183e+04 / 85
p0 1483 ± 1.152
2400
2200
2000
1800
1600
1400
1200

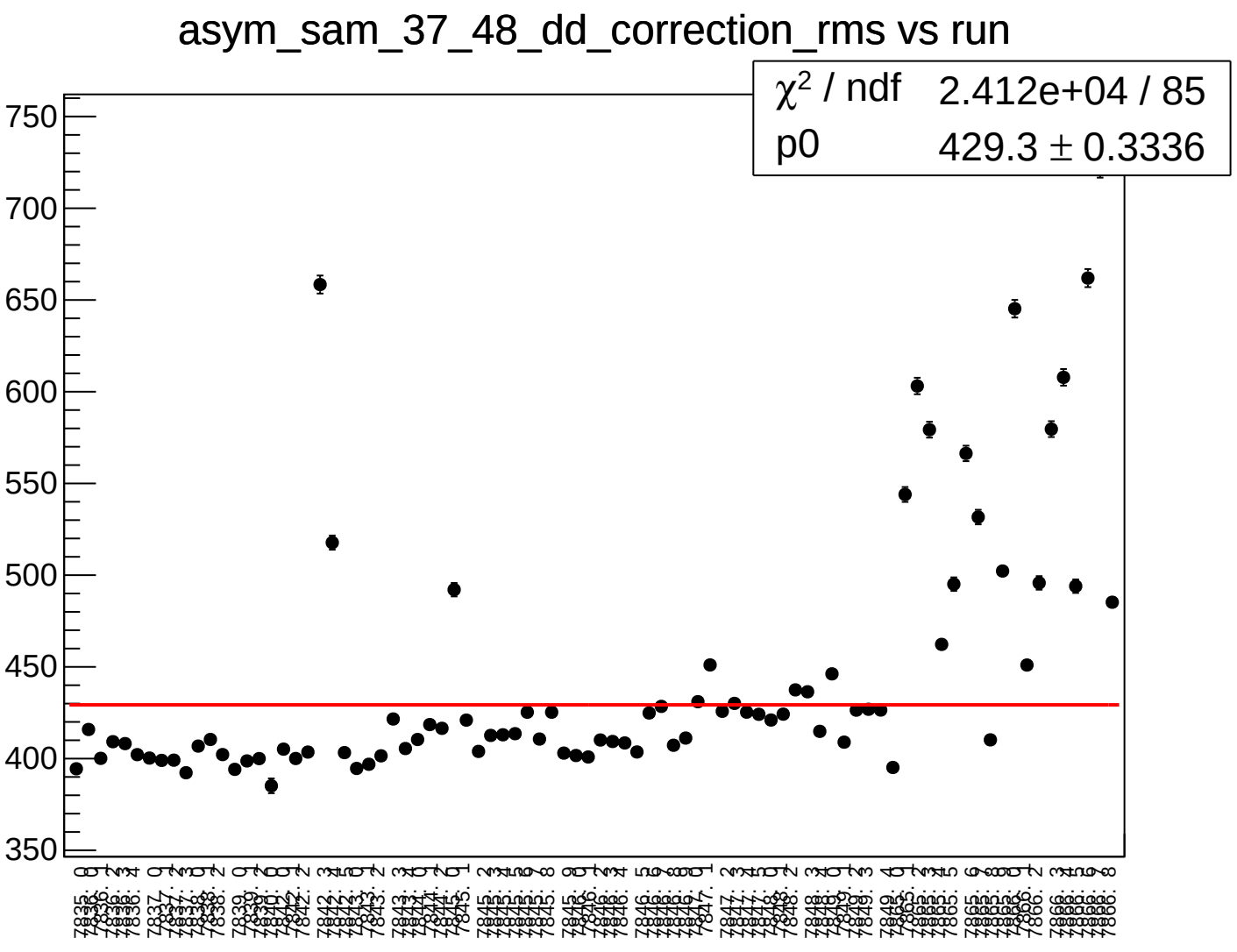

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 90.28 / 85
p0 9.723 ± 84.17
pull
Entries 86
Mean 88.93
Std Dev 42.18

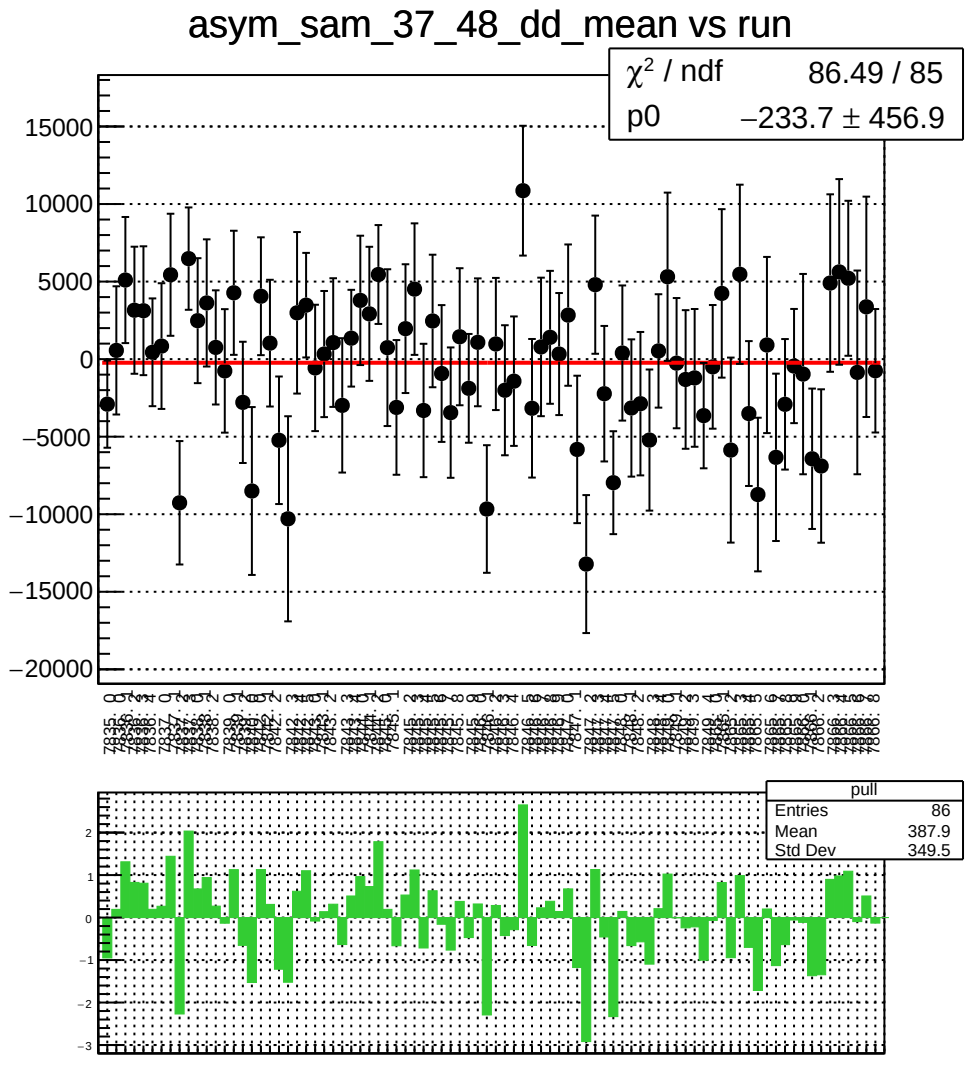

pull1D
Entries 86
Mean −0.01696
Std Dev 1.024

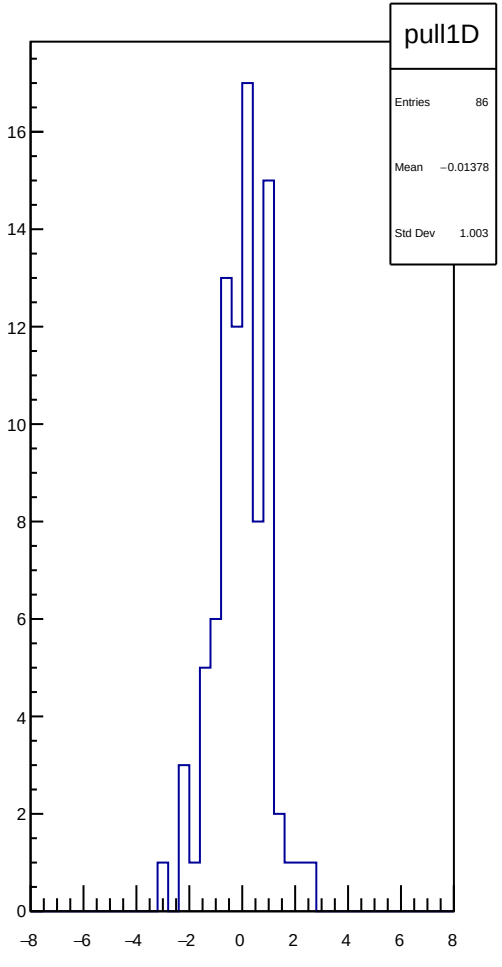

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 2.607e+04 / 85
p0 76.54 ± 0.05952
150
140
130
120
110
100
90
80
70

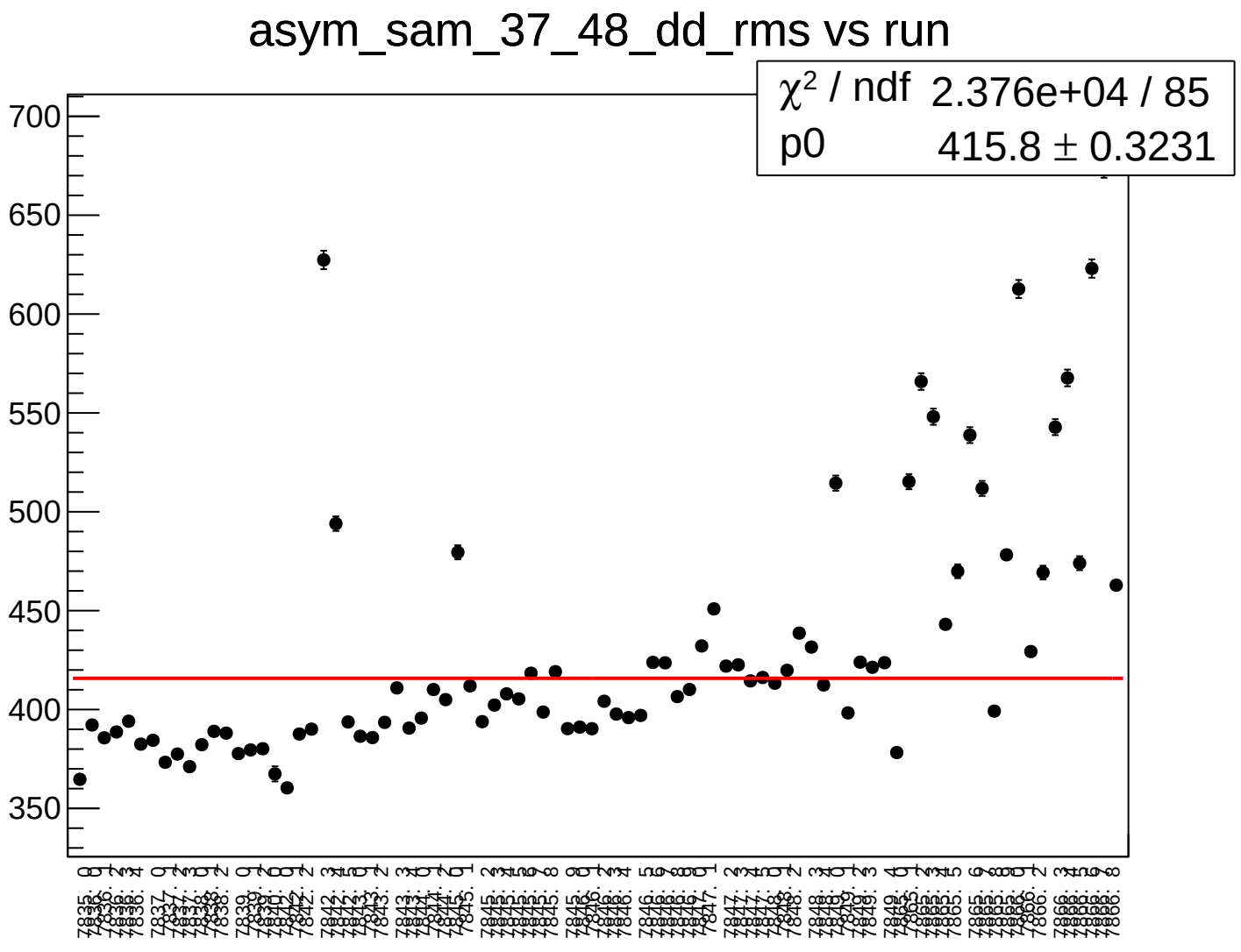

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 86.07 / 85
p0 237.1 ± 471.8
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 463.7
Std Dev 426.8
3
2
1
0
−1
−2

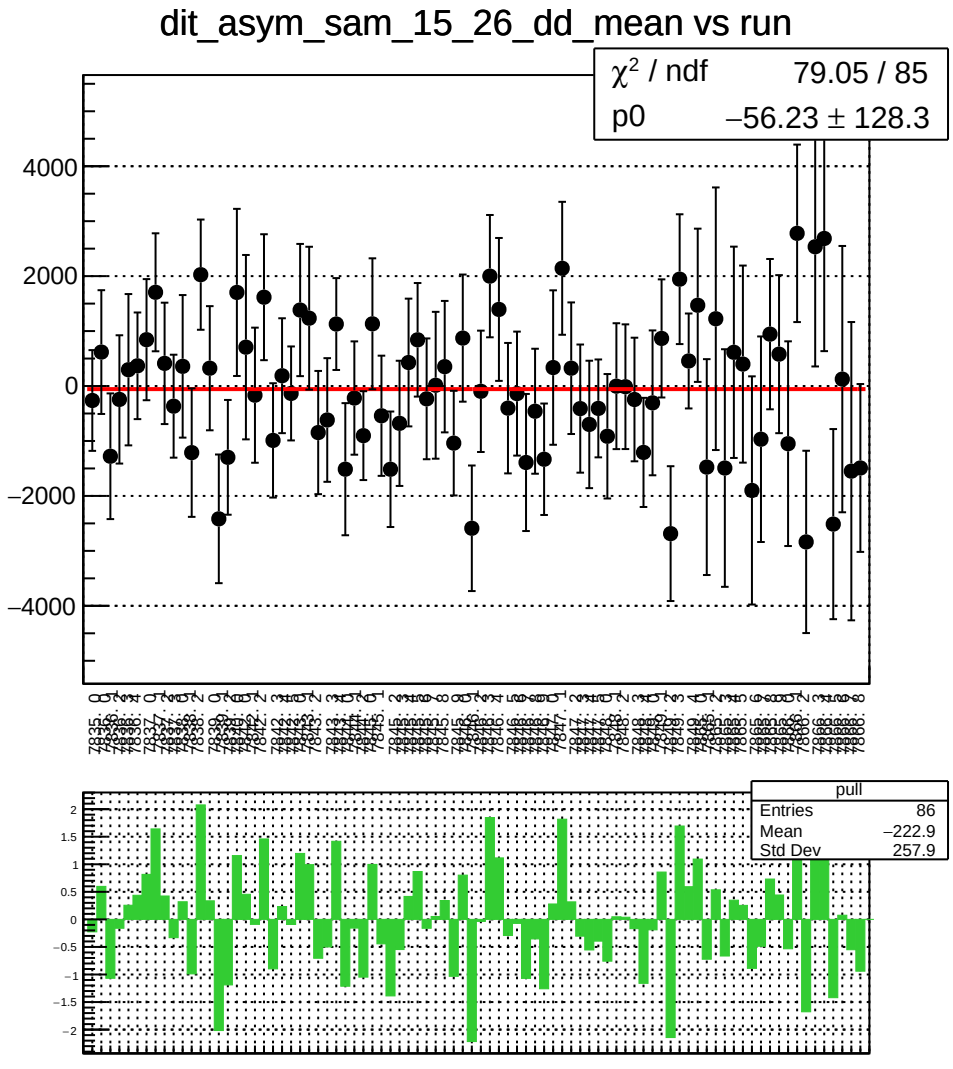

pull1D
Entries 86
Mean 0.01047
Std Dev 1
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

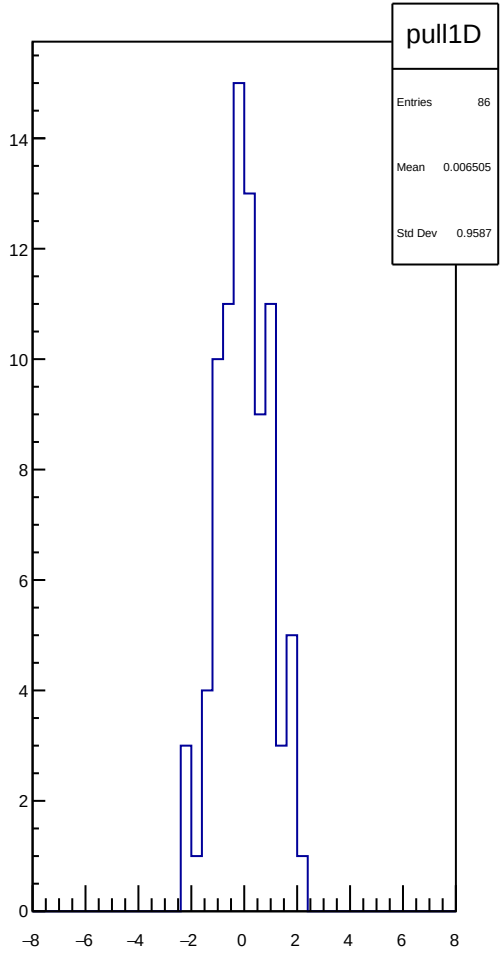

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 2.412e+04 / 85
p0 429.3 ± 0.3336
750
700
650
600
550
500
450
400
350

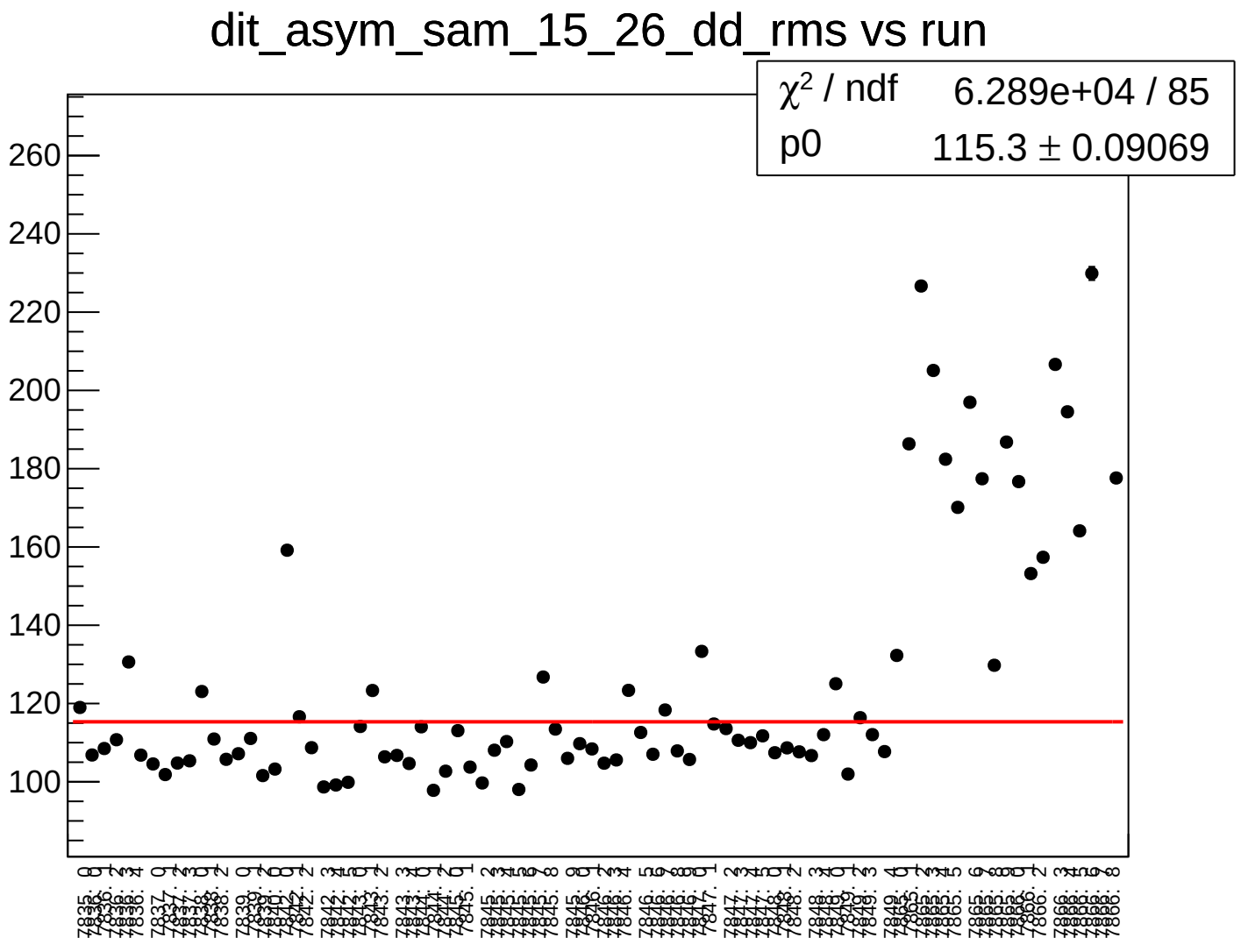

asym_sam_37_48_dd_mean vs run
χ² / ndf 86.49 / 85
p0 −233.7 ± 456.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean 387.9
Std Dev 349.5
2
1
0
−1
−2
−3

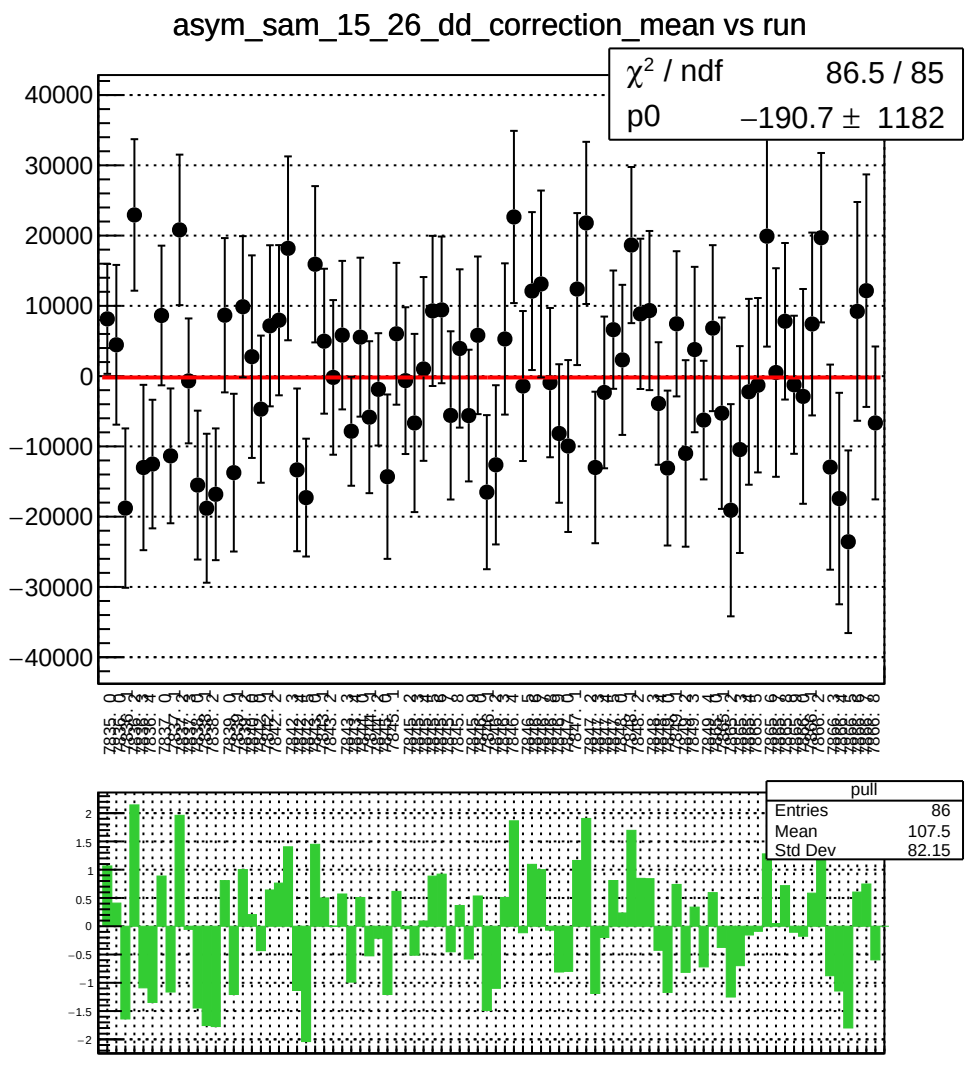

pull1D
Entries 86
Mean −0.01378
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

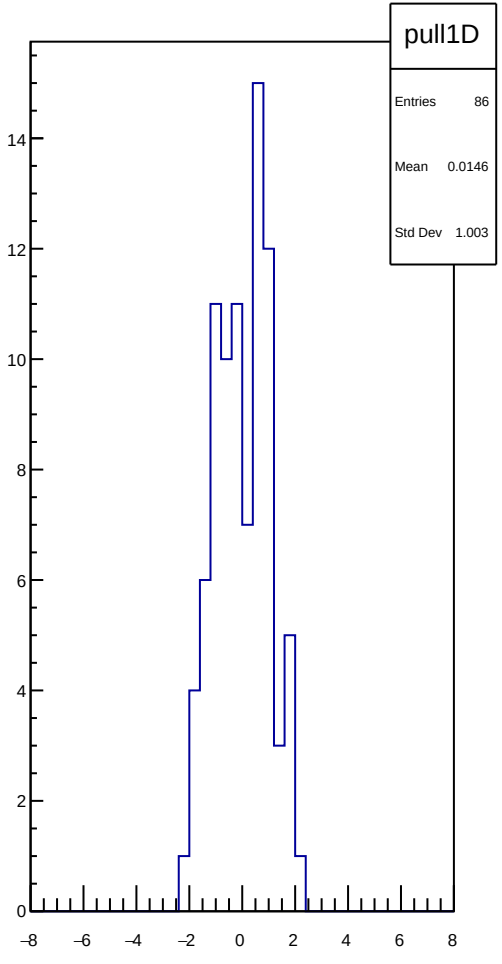

asym_sam_37_48_dd_rms vs run
χ² / ndf 2.376e+04 / 85
p0 415.8 ± 0.3231
700
650
600
550
500
450
400
350

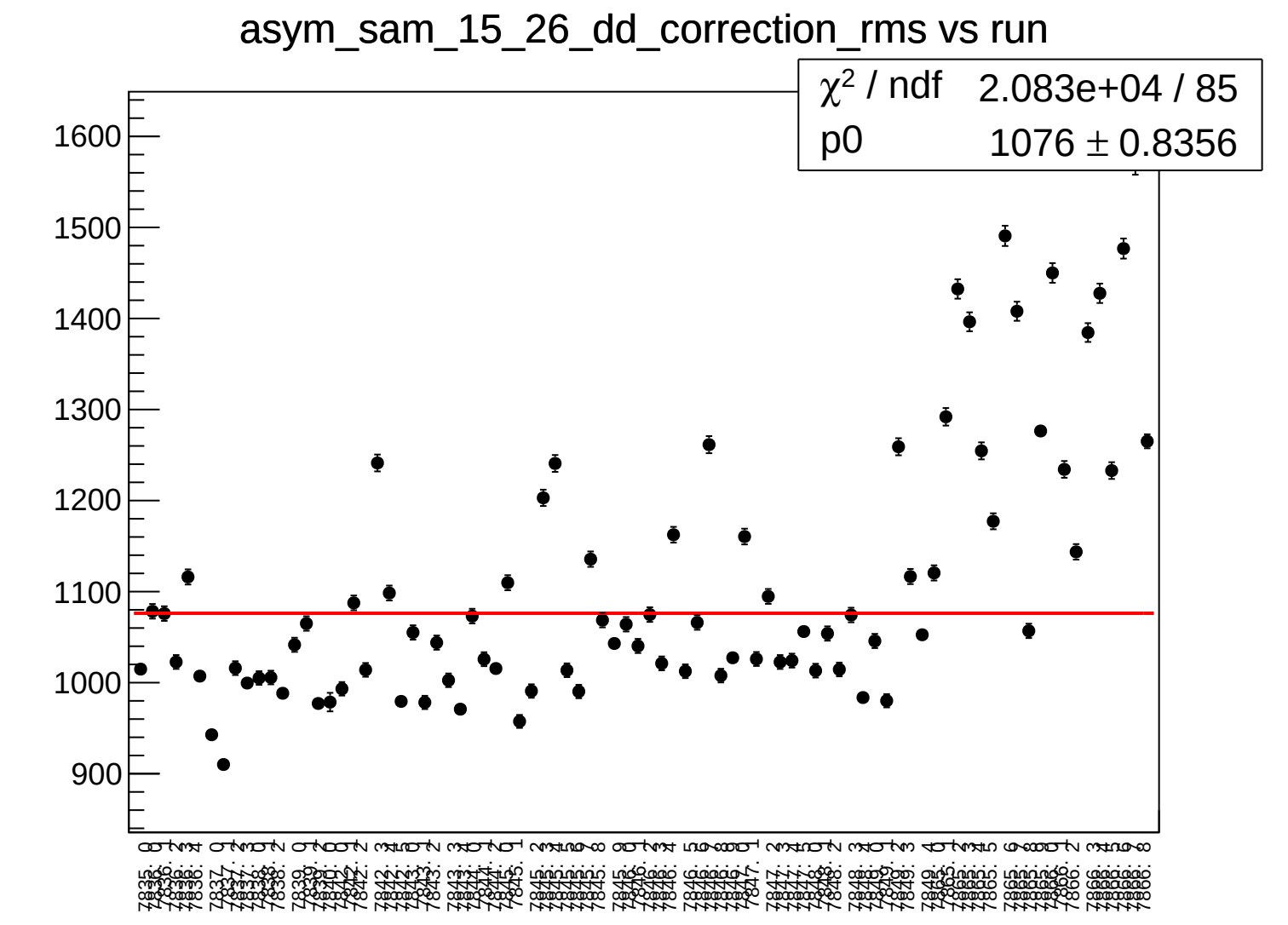

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 79.05 / 85
p0 −56.23 ± 128.3
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −222.9
Std Dev 257.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

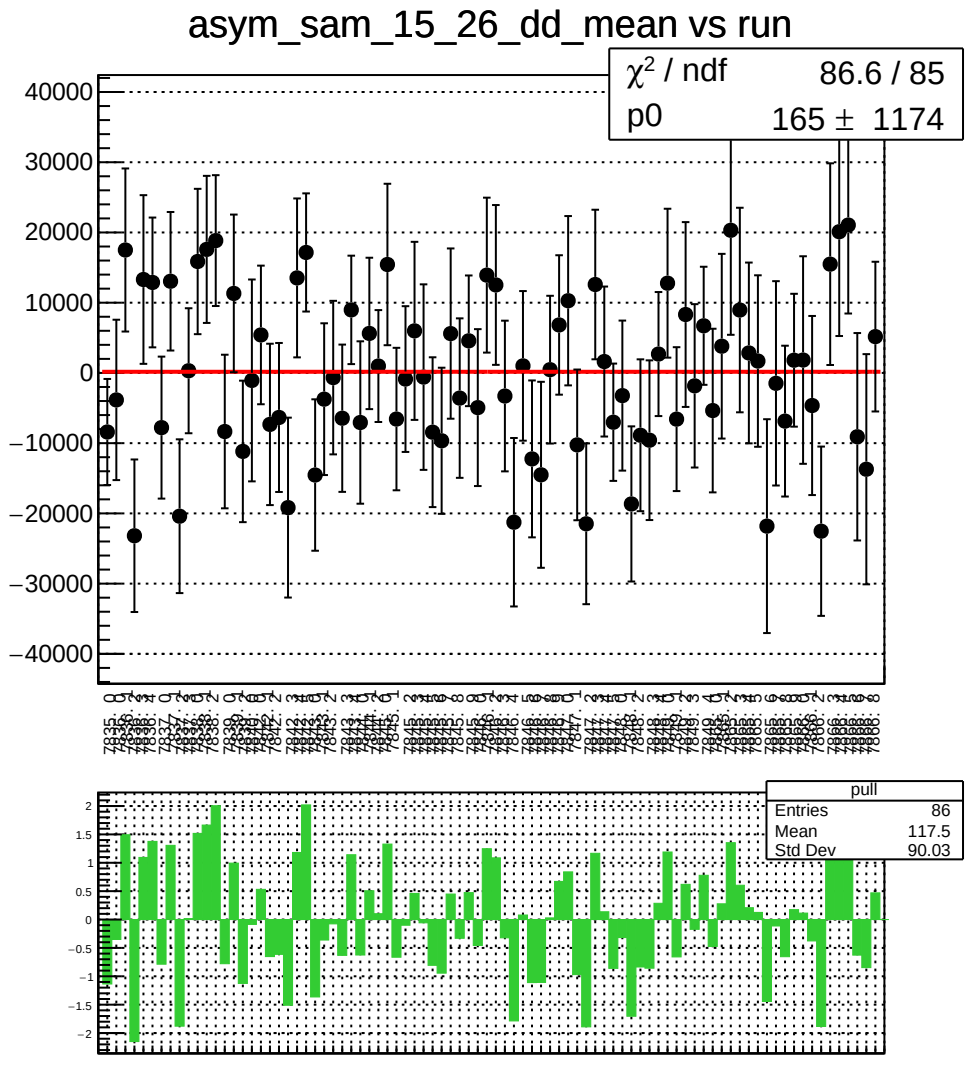

pull1D
Entries 86
Mean 0.006505
Std Dev 0.9587
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

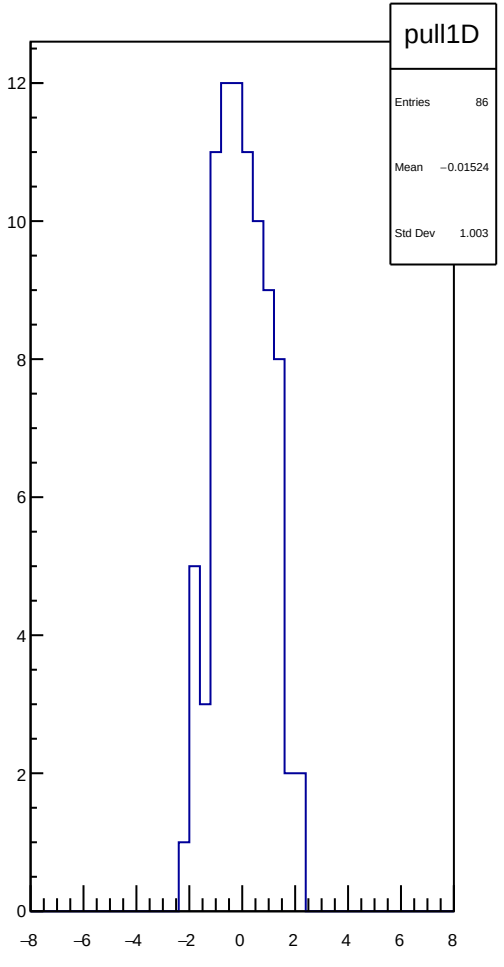

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 6.289e+04 / 85
p0 115.3 ± 0.09069
260
240
220
200
180
160
140
120
100

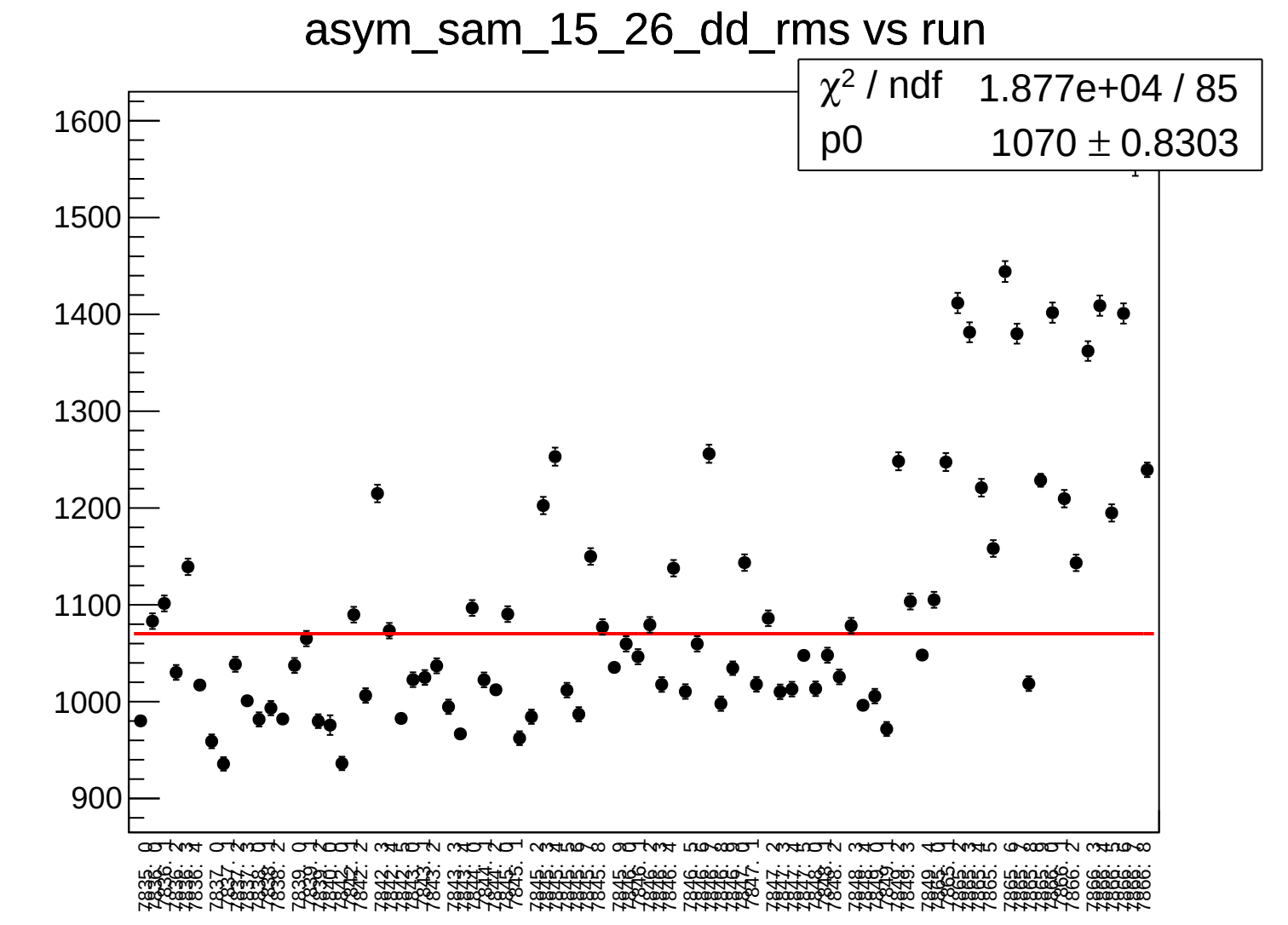

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 86.5 / 85
p0 −190.7 ± 1182
pull
Entries 86
Mean 107.5
Std Dev 82.15

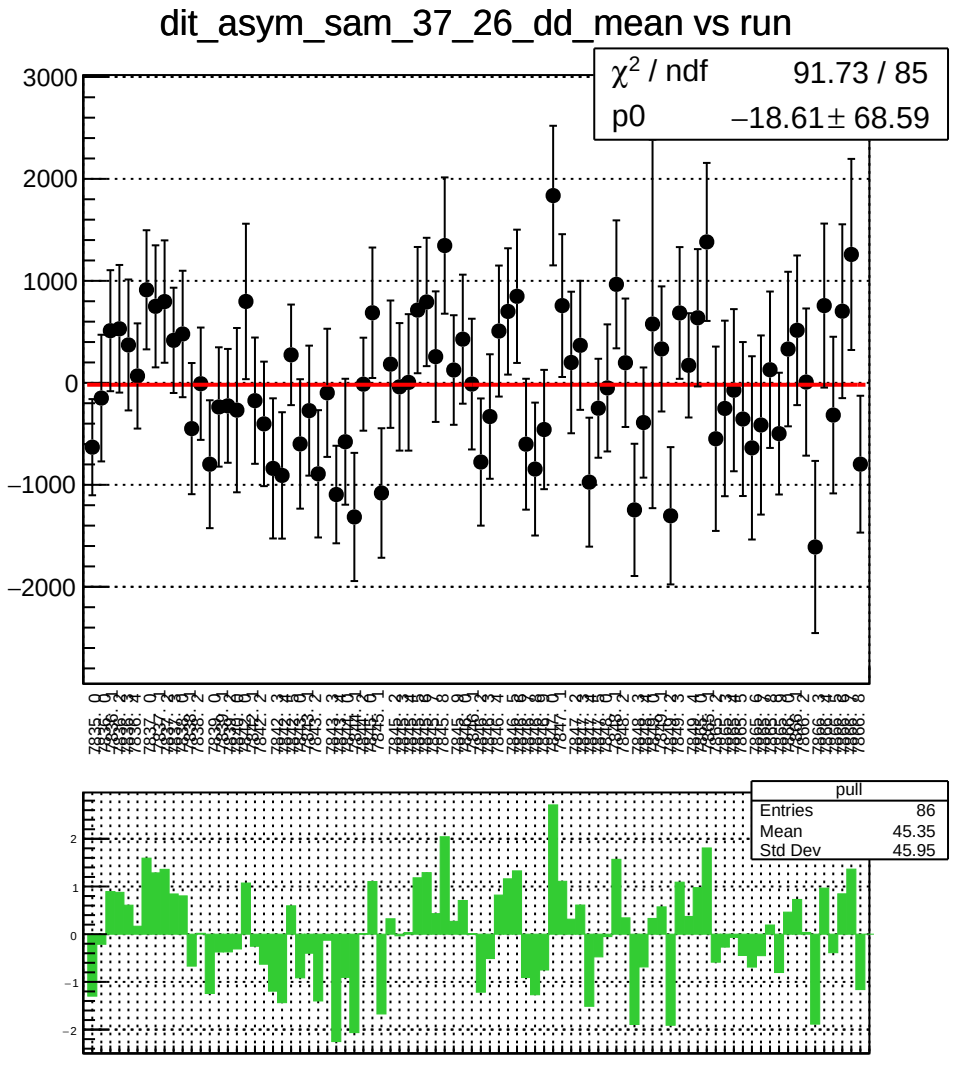

pull1D
Entries 86
Mean 0.0146
Std Dev 1.003

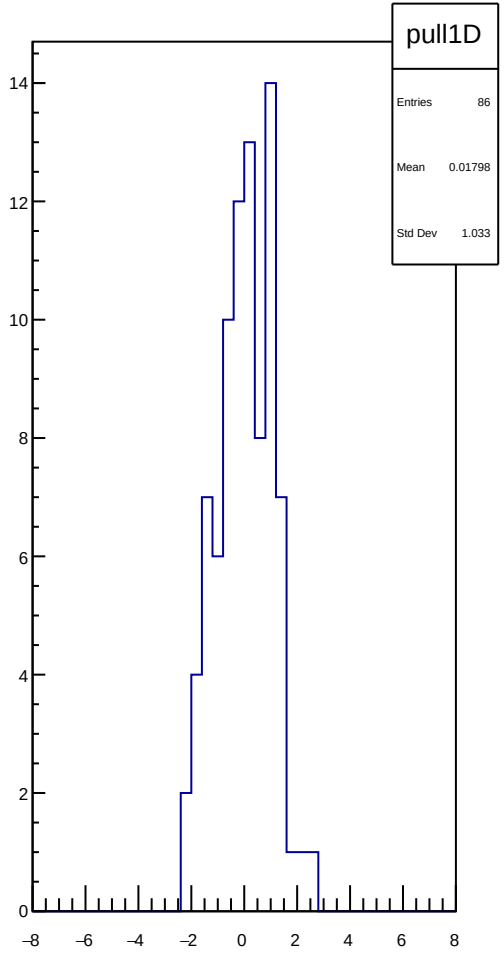

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 2.083e+04 / 85
p0 1076 ± 0.8356
1600
1500
1400
1300
1200
1100
1000
900

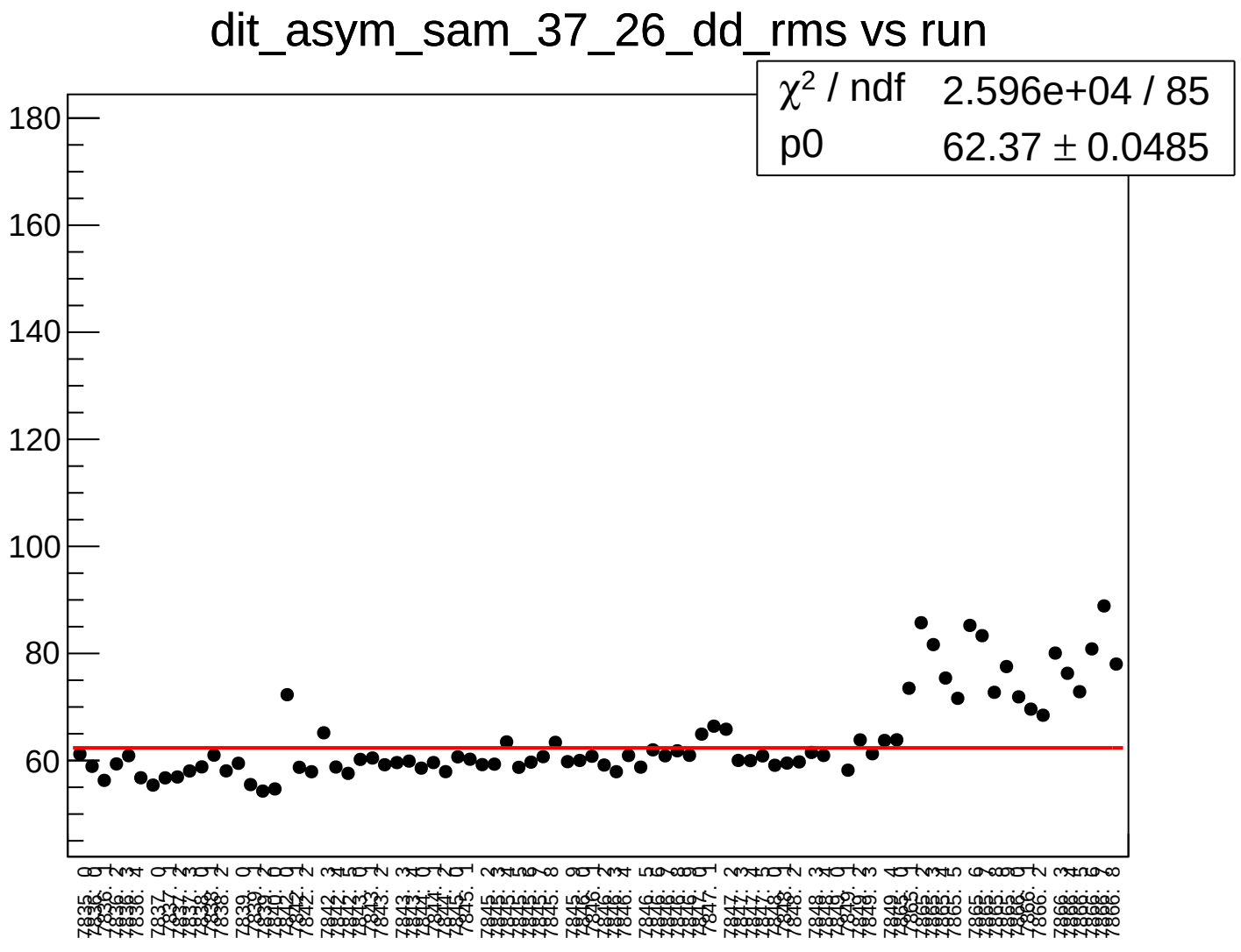

asym_sam_15_26_dd_mean vs run
χ² / ndf 86.6 / 85
p0 165 ± 1174
pull
Entries 86
Mean 117.5
Std Dev 90.03

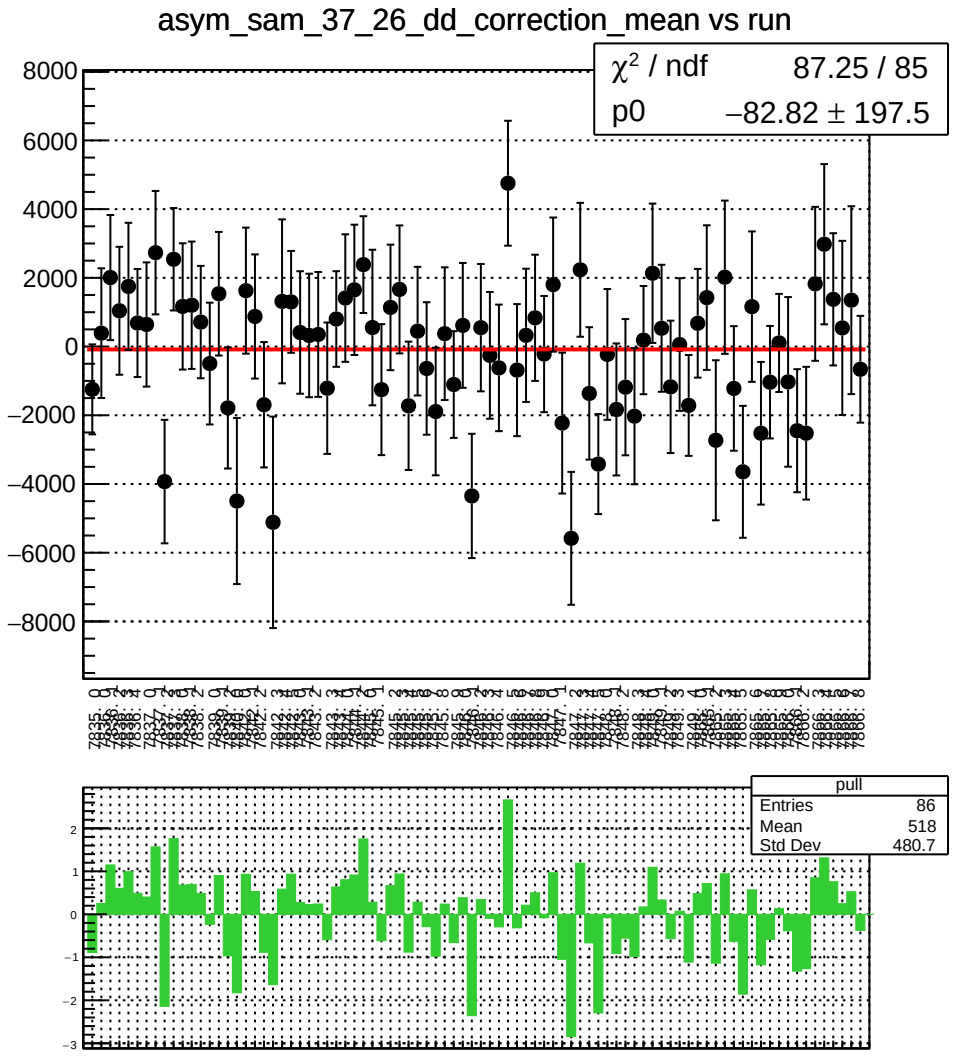

pull1D
Entries 86
Mean −0.01524
Std Dev 1.003

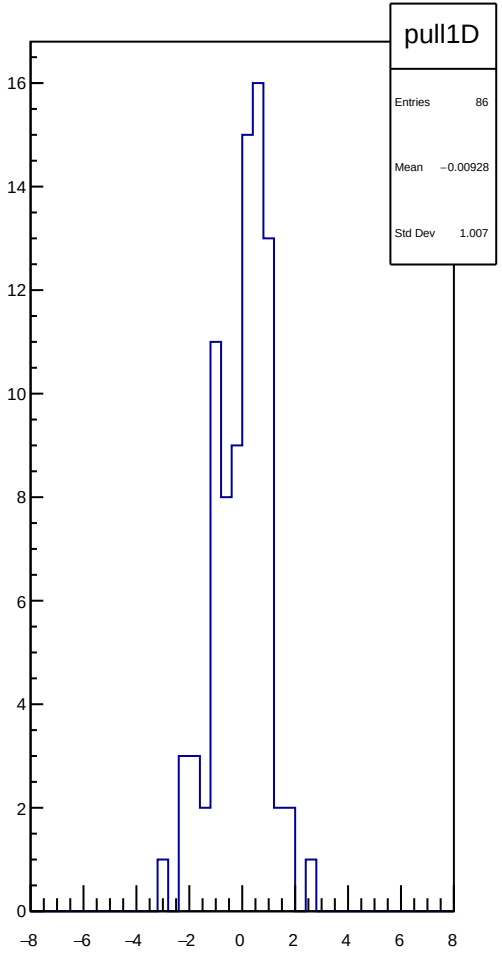

asym_sam_15_26_dd_rms vs run
χ² / ndf 1.877e+04 / 85
p0 1070 ± 0.8303
1600
1500
1400
1300
1200
1100
1000
900

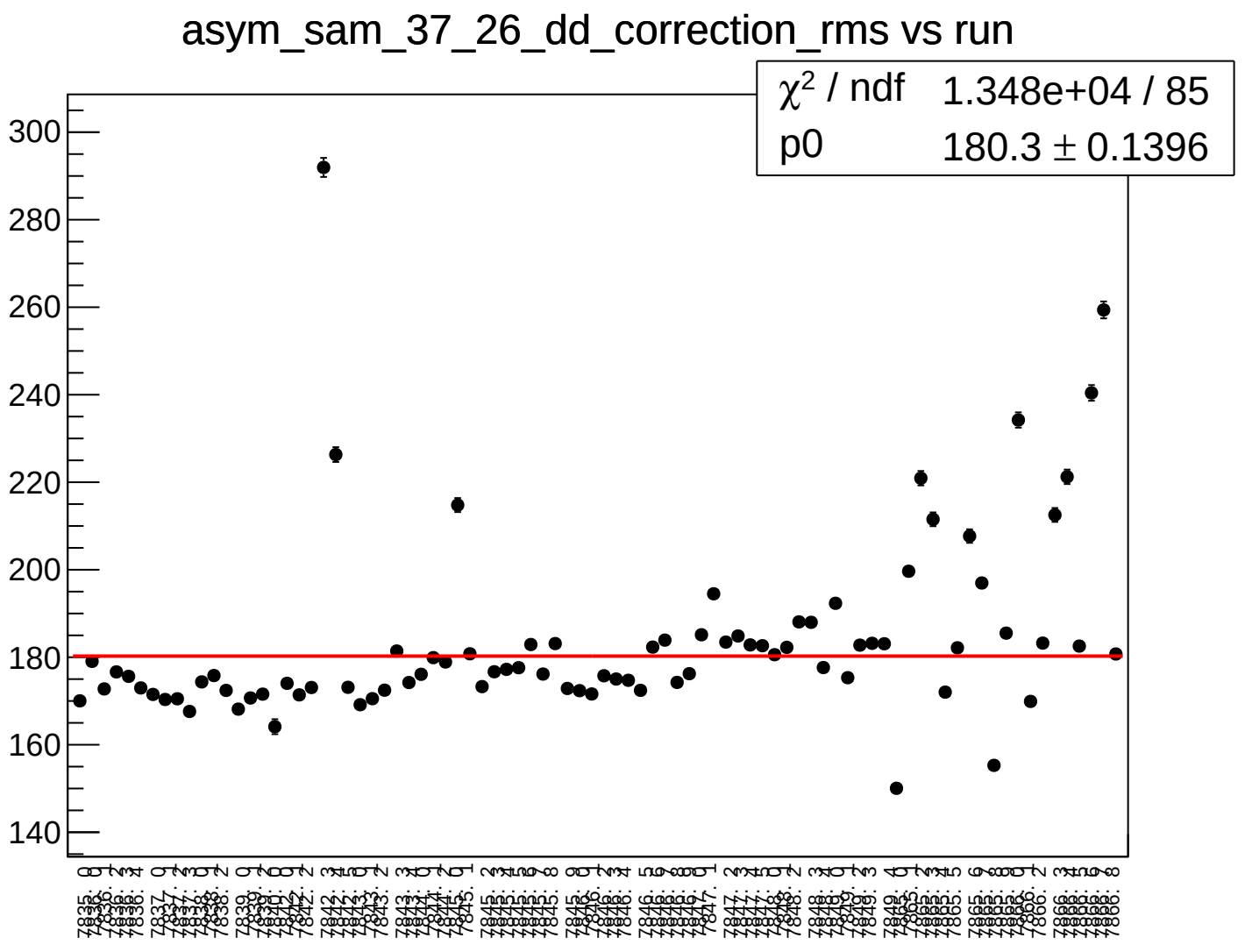

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 91.73 / 85
p0 −18.61 ± 68.59
3000
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 45.35
Std Dev 45.95
2
1
0
−1
−2

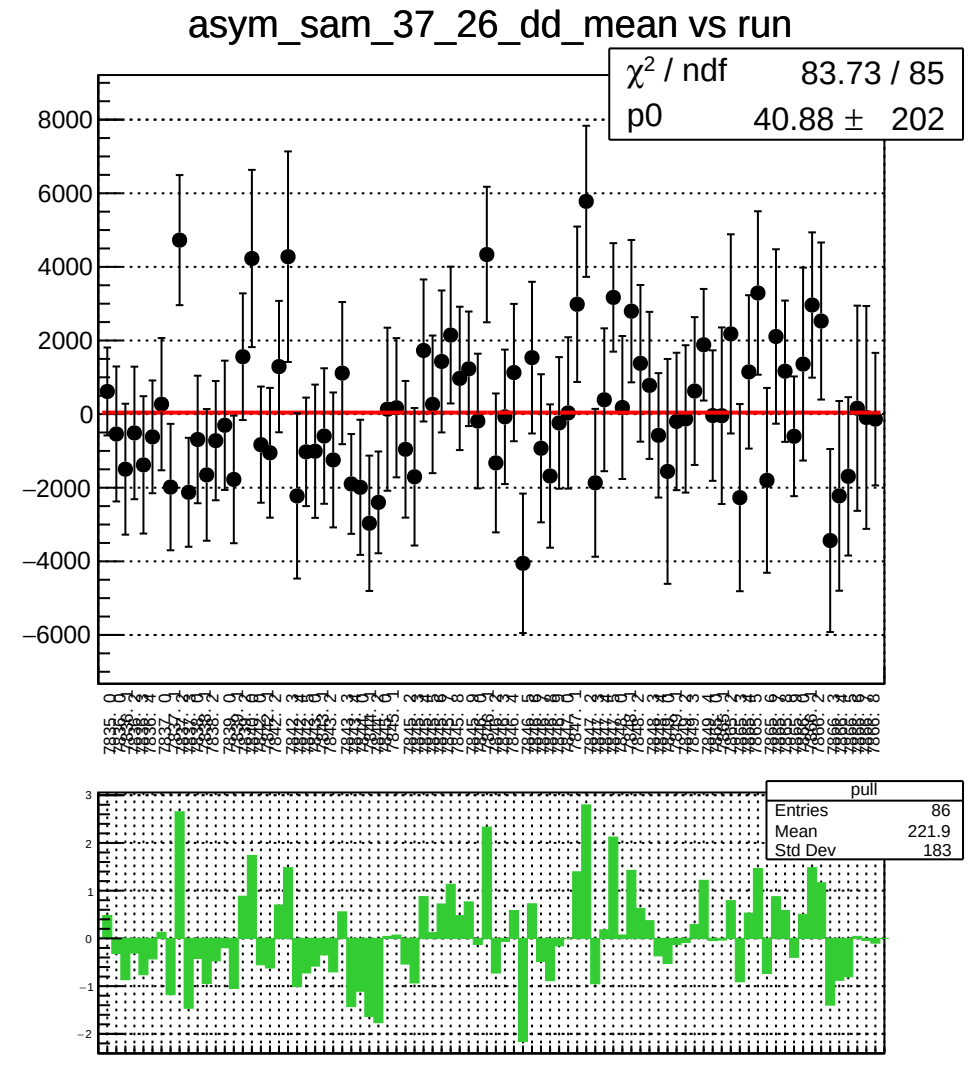

pull1D
Entries 86
Mean 0.01798
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

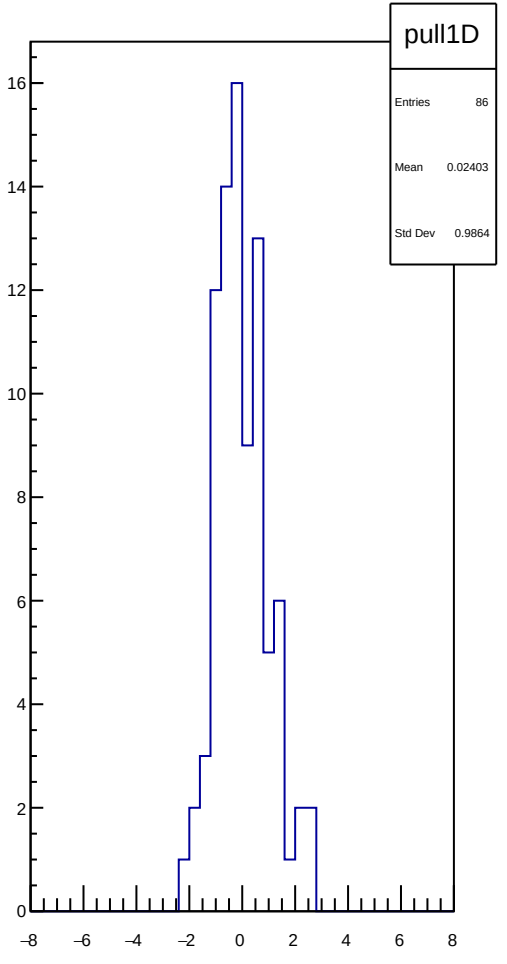

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2.596e+04 / 85
p0 62.37 ± 0.0485
180
160
140
120
100
80
60

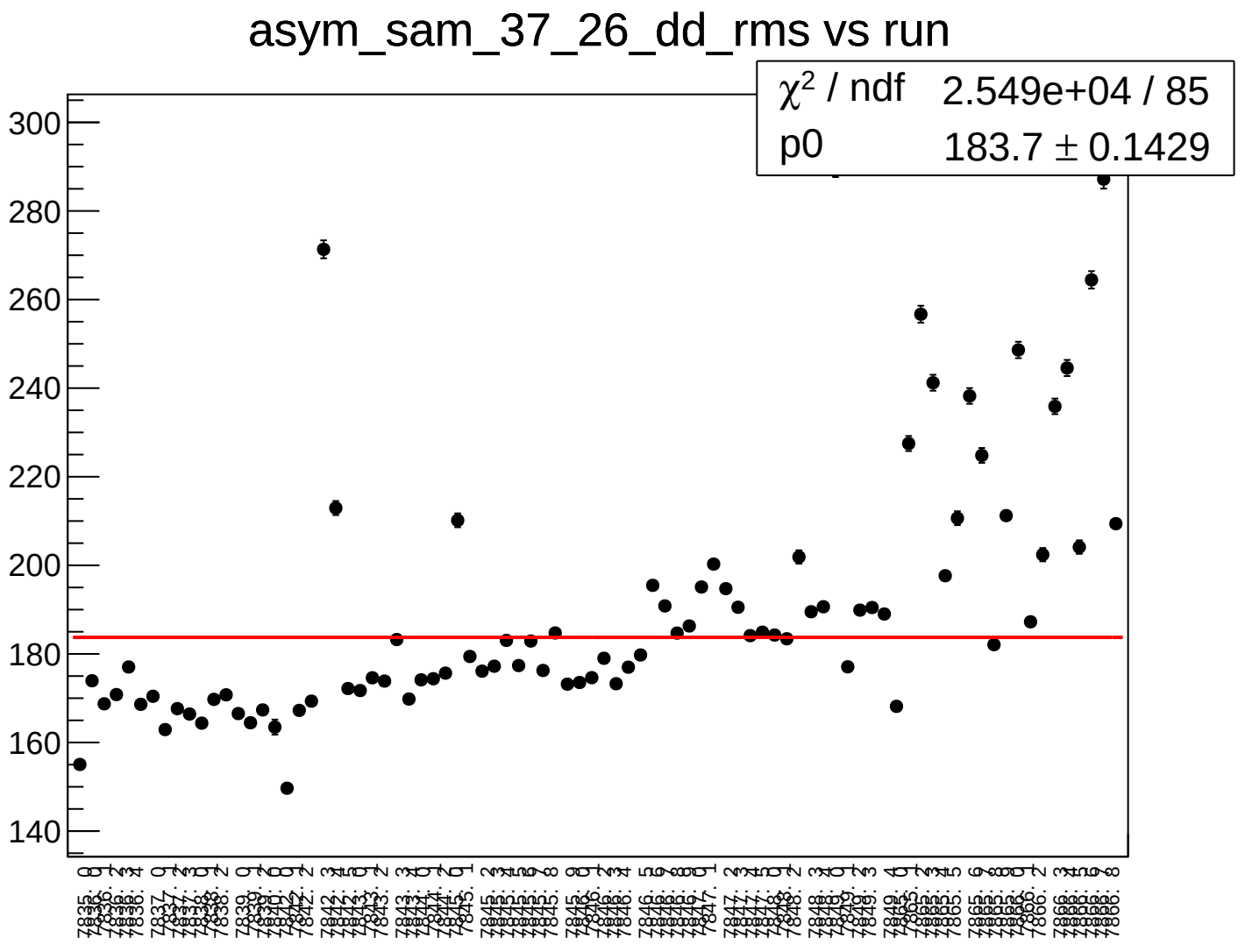

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 87.25 / 85
p0 −82.82 ± 197.5
pull
Entries 86
Mean 518
Std Dev 480.7

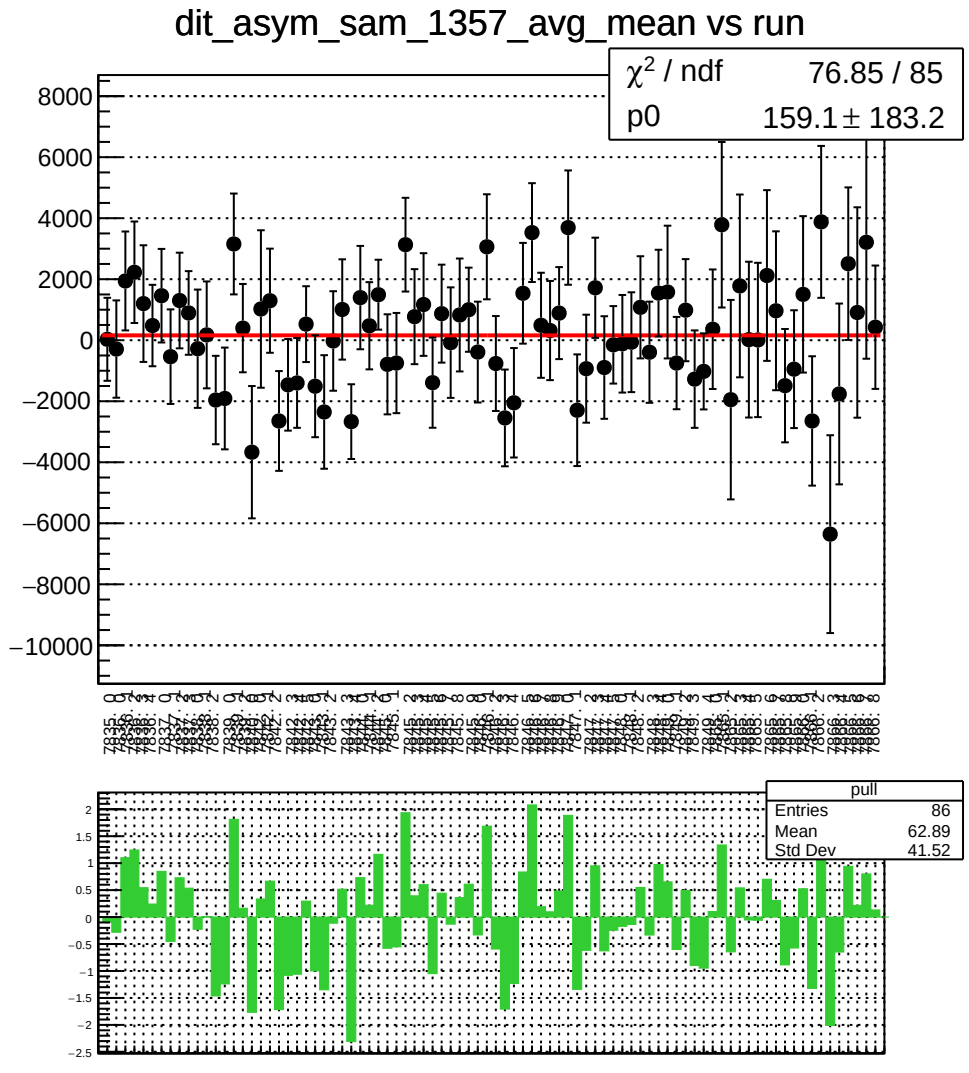

pull1D
Entries 86
Mean −0.00928
Std Dev 1.007

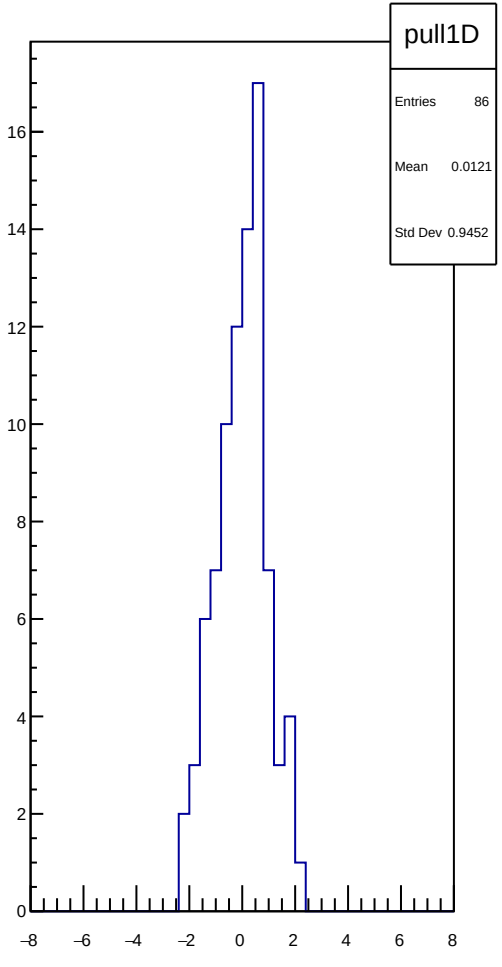

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 1.348e+04 / 85
p0 180.3 ± 0.1396
300
280
260
240
220
200
180
160
140

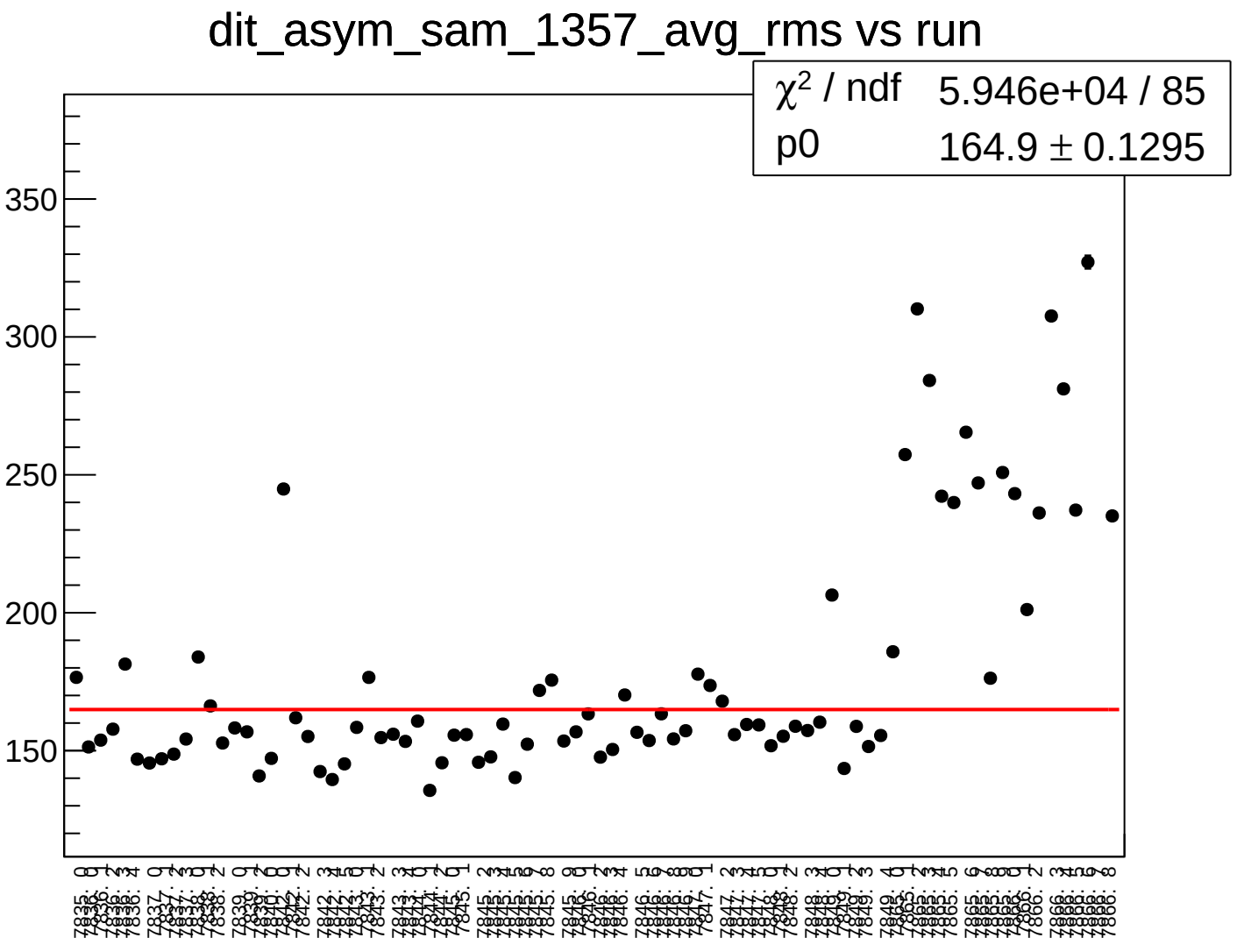

asym_sam_37_26_dd_mean vs run
χ² / ndf 83.73 / 85
p0 40.88 ± 202
pull
Entries 86
Mean 221.9
Std Dev 183

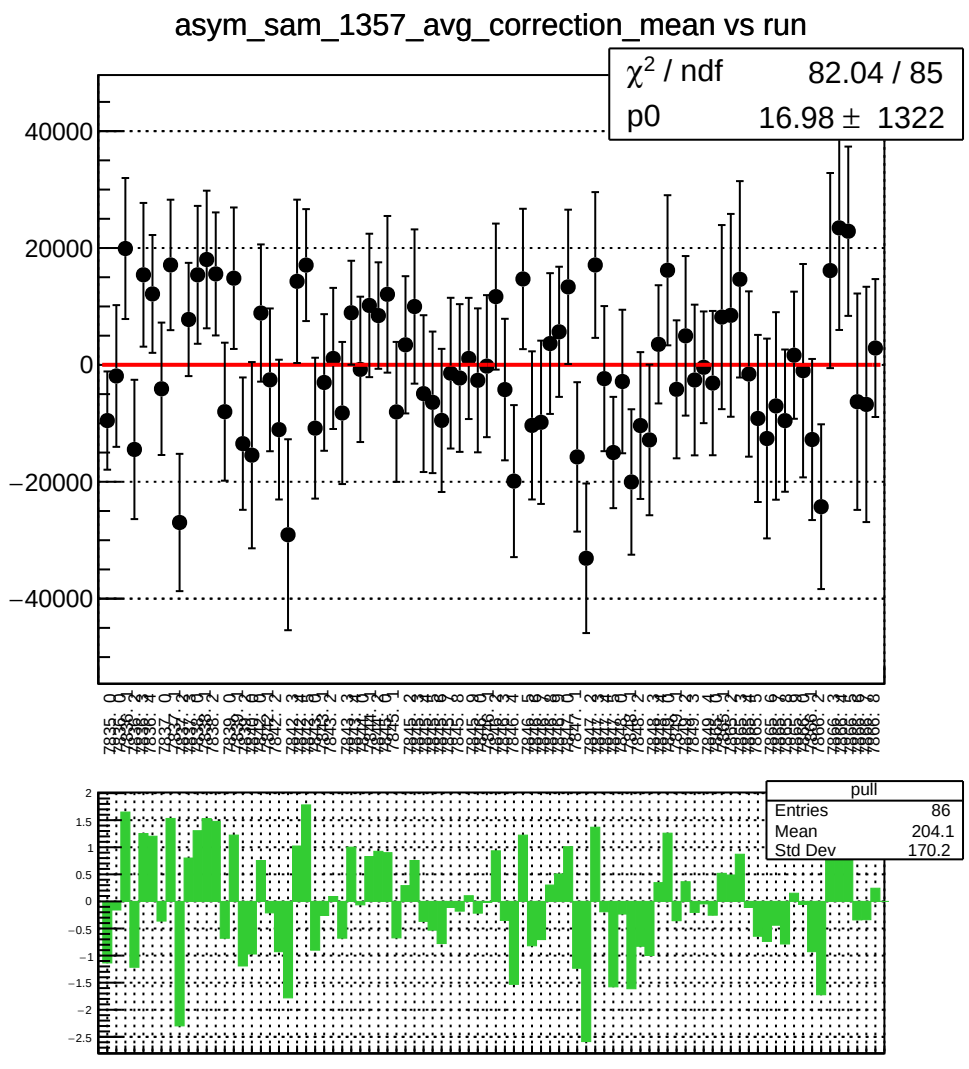

pull1D
Entries 86
Mean 0.02403
Std Dev 0.9864

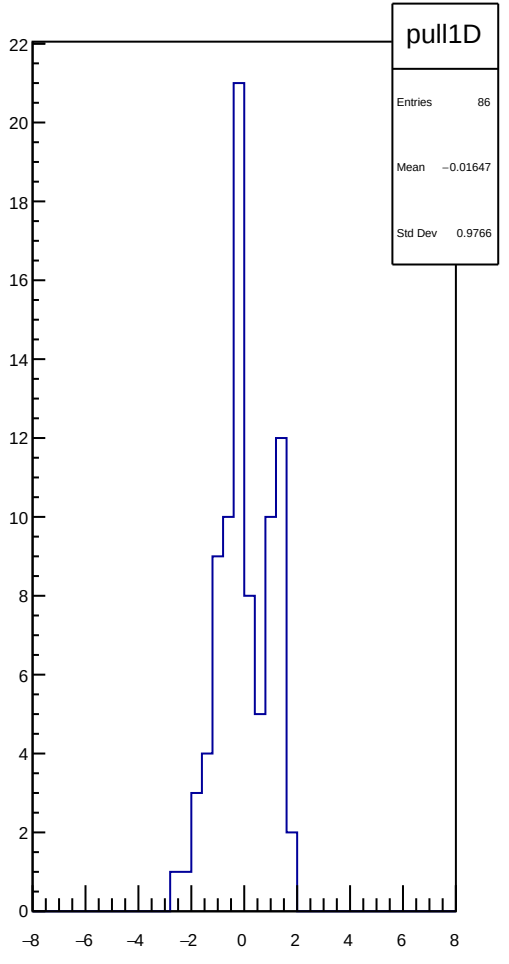

asym_sam_37_26_dd_rms vs run
χ² / ndf 2.549e+04 / 85
p0 183.7 ± 0.1429
300
280
260
240
220
200
180
160
140

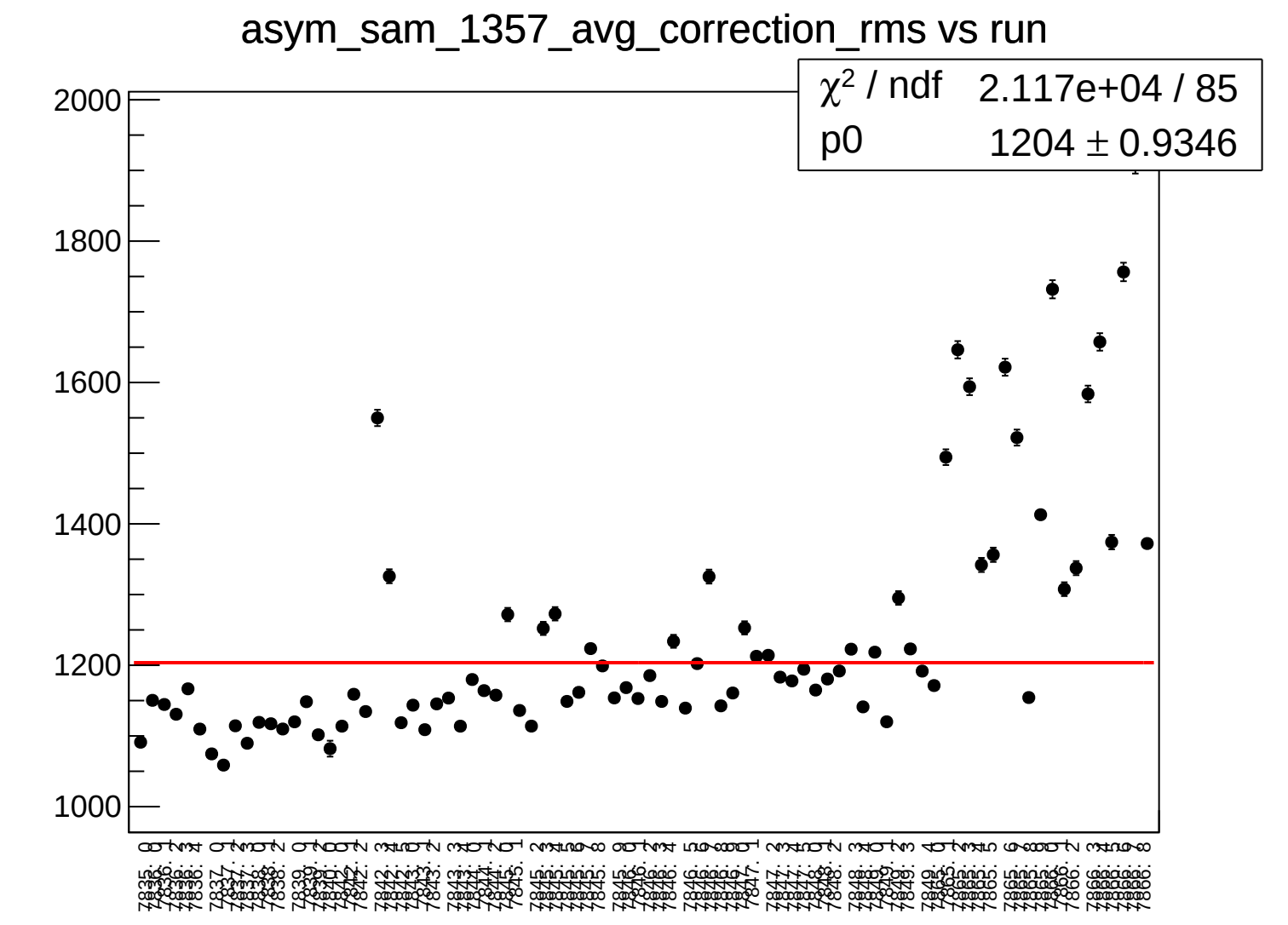

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 76.85 / 85
p0 159.1 ± 183.2
pull
Entries 86
Mean 62.89
Std Dev 41.52

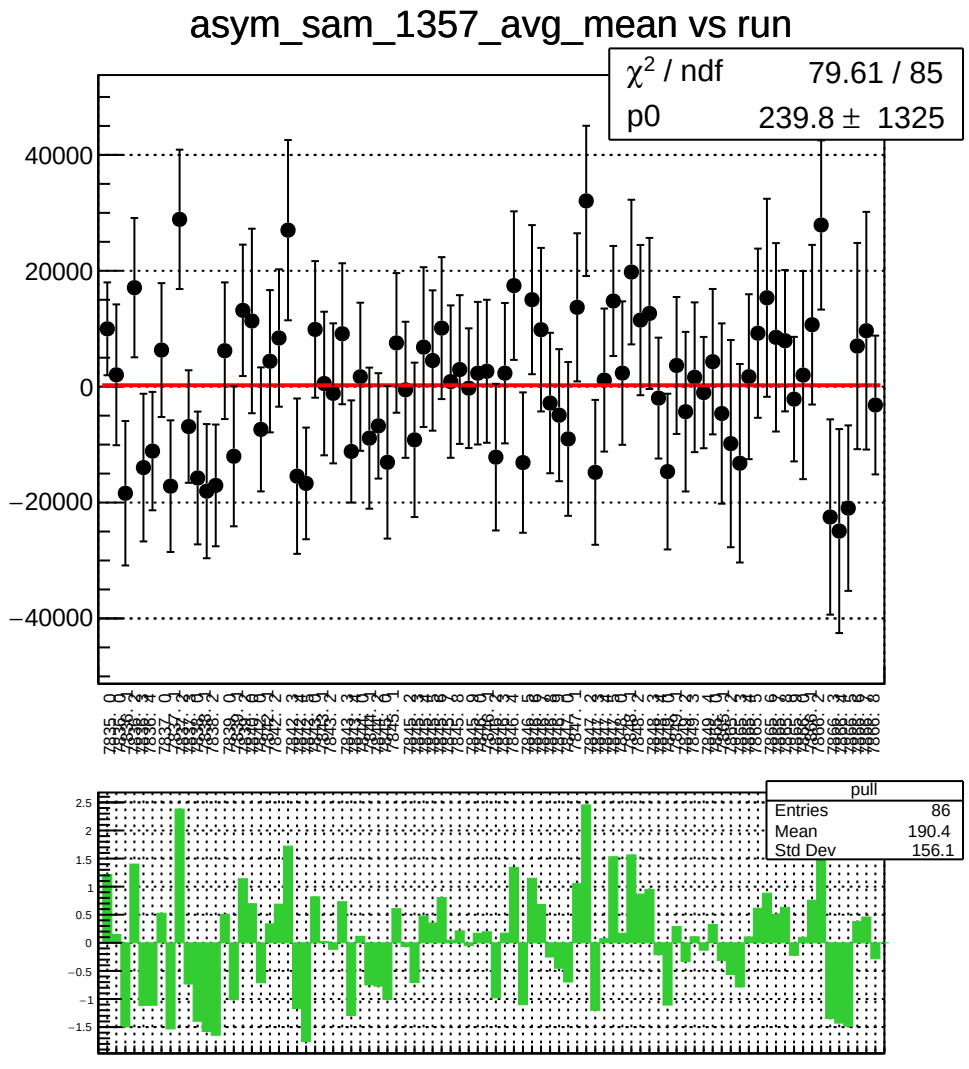

pull1D
Entries 86
Mean 0.0121
Std Dev 0.9452

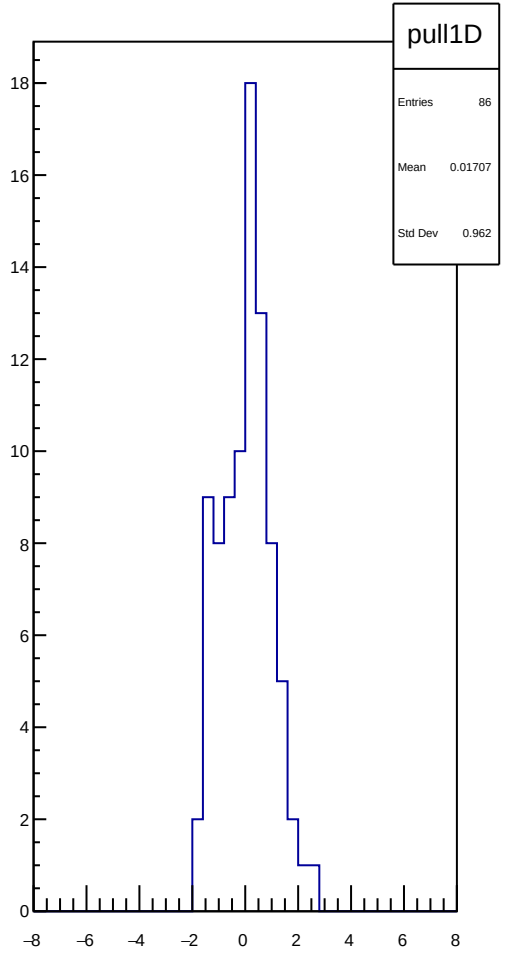

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 5.946e+04 / 85
p0 164.9 ± 0.1295
350
300
250
200
150

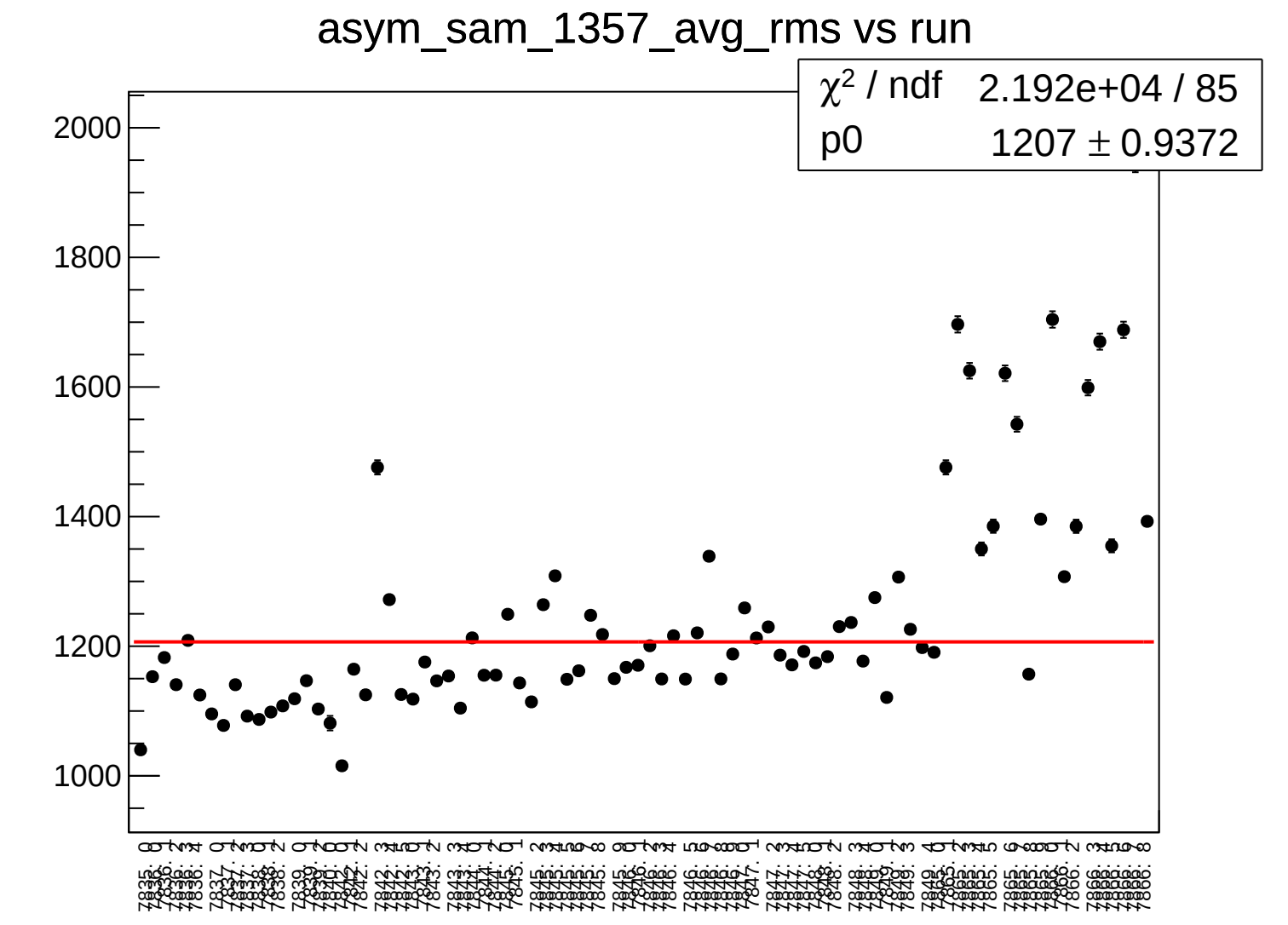

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 82.04 / 85
p0 16.98 ± 1322
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 204.1
Std Dev 170.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

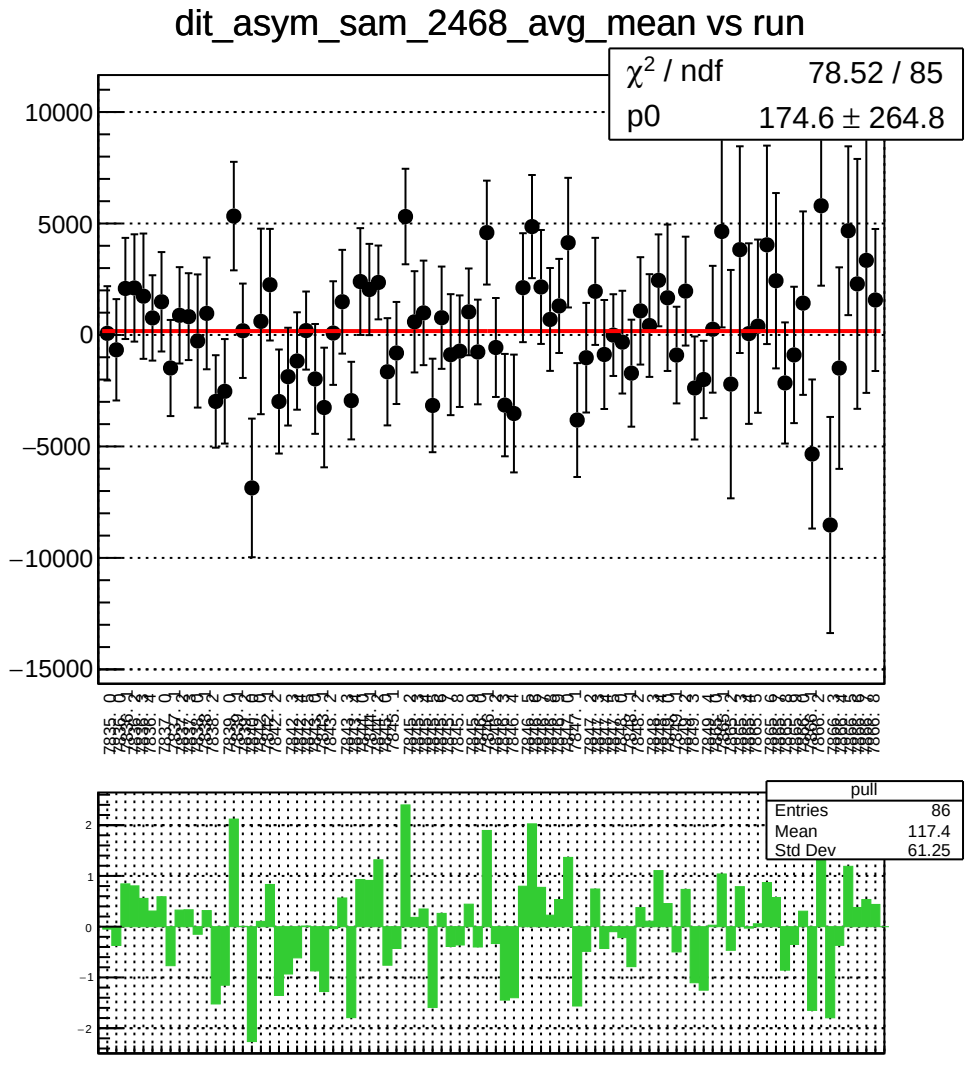

pull1D
Entries 86
Mean −0.01647
Std Dev 0.9766
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

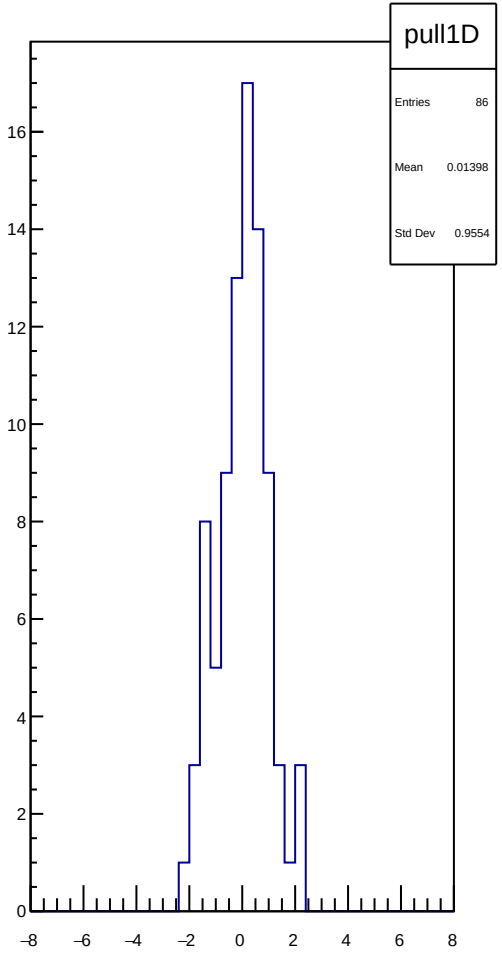

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2.117e+04 / 85
p0 1204 ± 0.9346
2000
1800
1600
1400
1200
1000

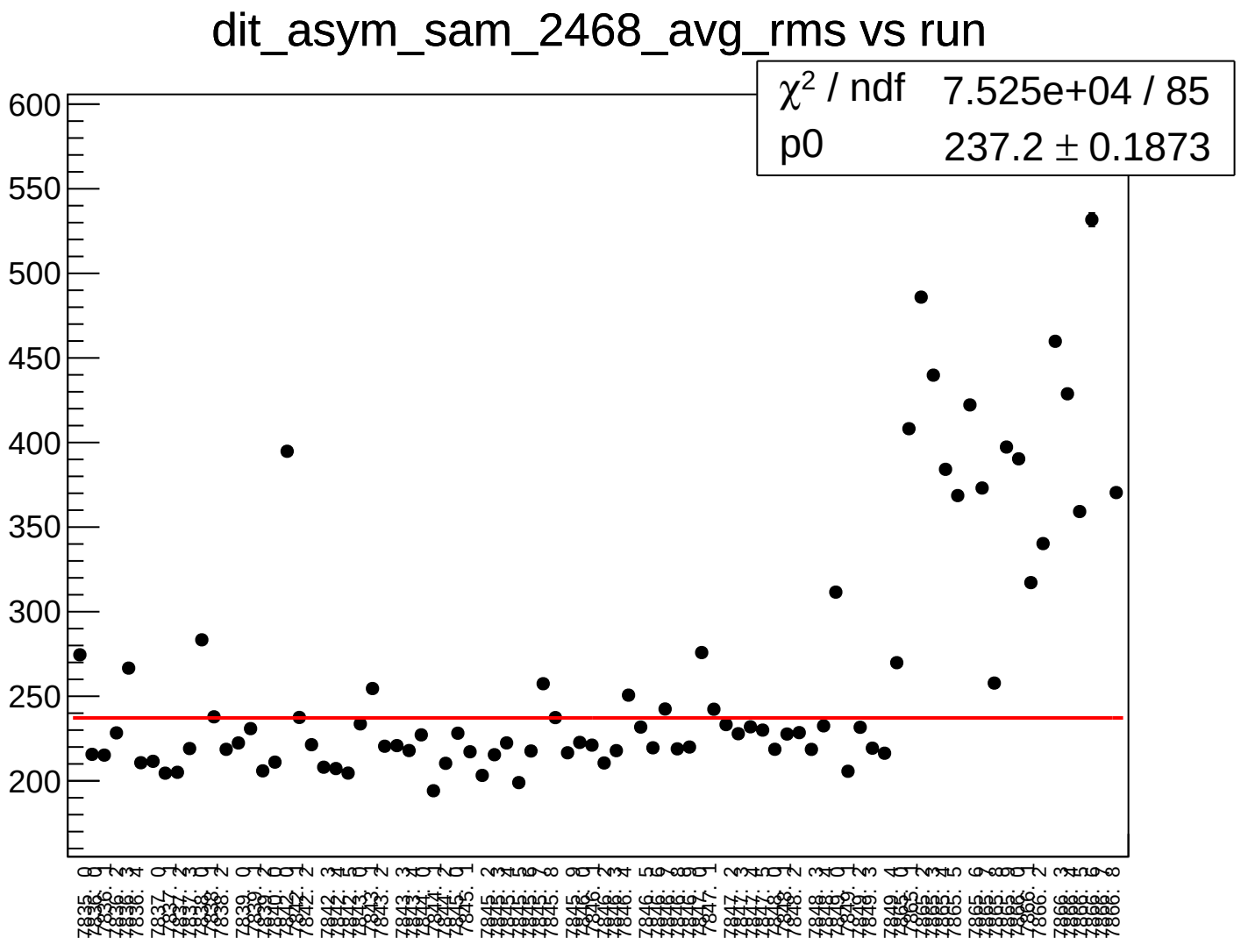

asym_sam_1357_avg_mean vs run
χ² / ndf 79.61 / 85
p0 239.8 ± 1325
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 190.4
Std Dev 156.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

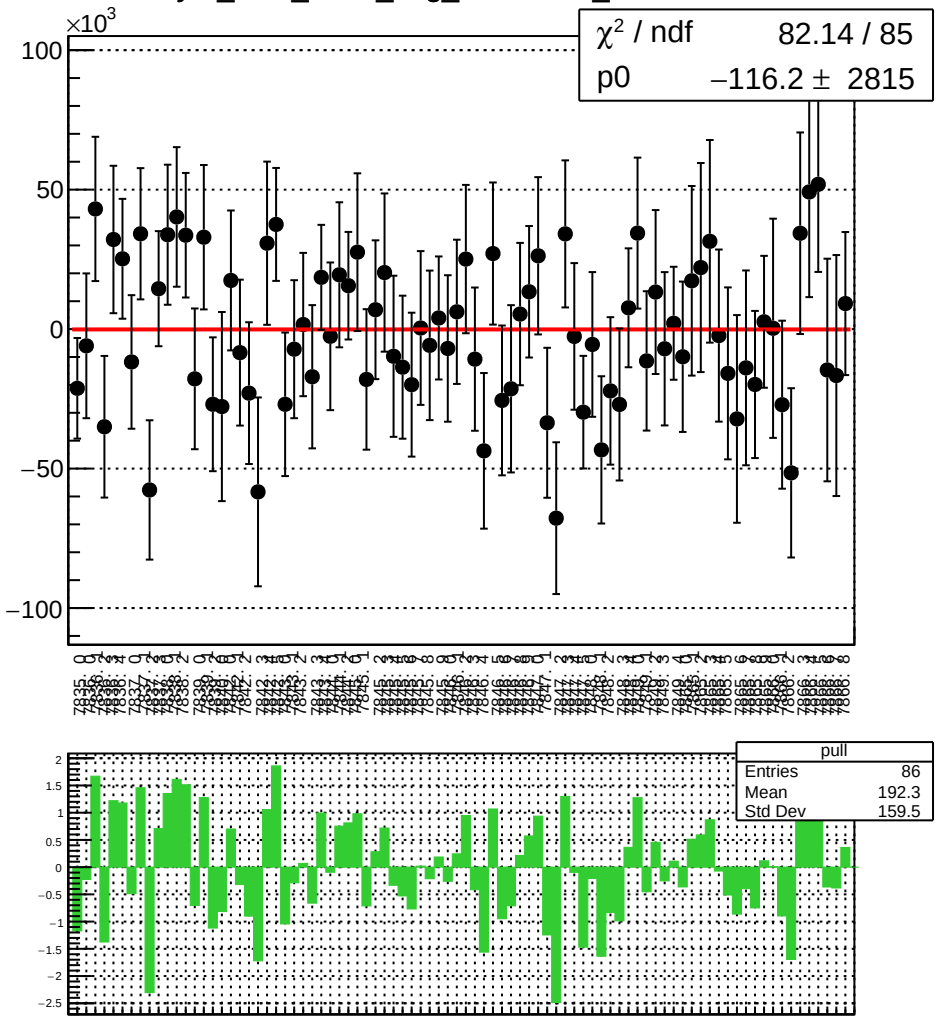

pull1D
Entries 86
Mean 0.01707
Std Dev 0.962
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

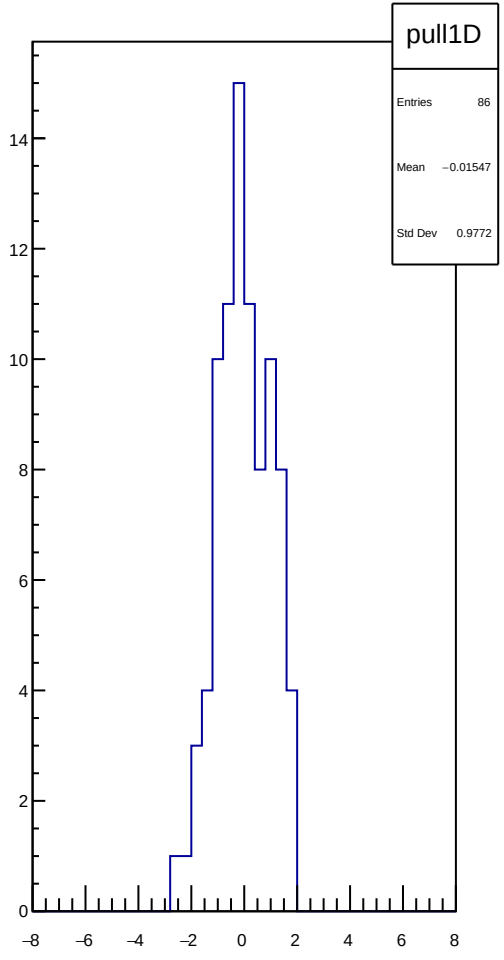

asym_sam_1357_avg_rms vs run
χ² / ndf 2.192e+04 / 85
p0 1207 ± 0.9372
2000
1800
1600
1400
1200
1000

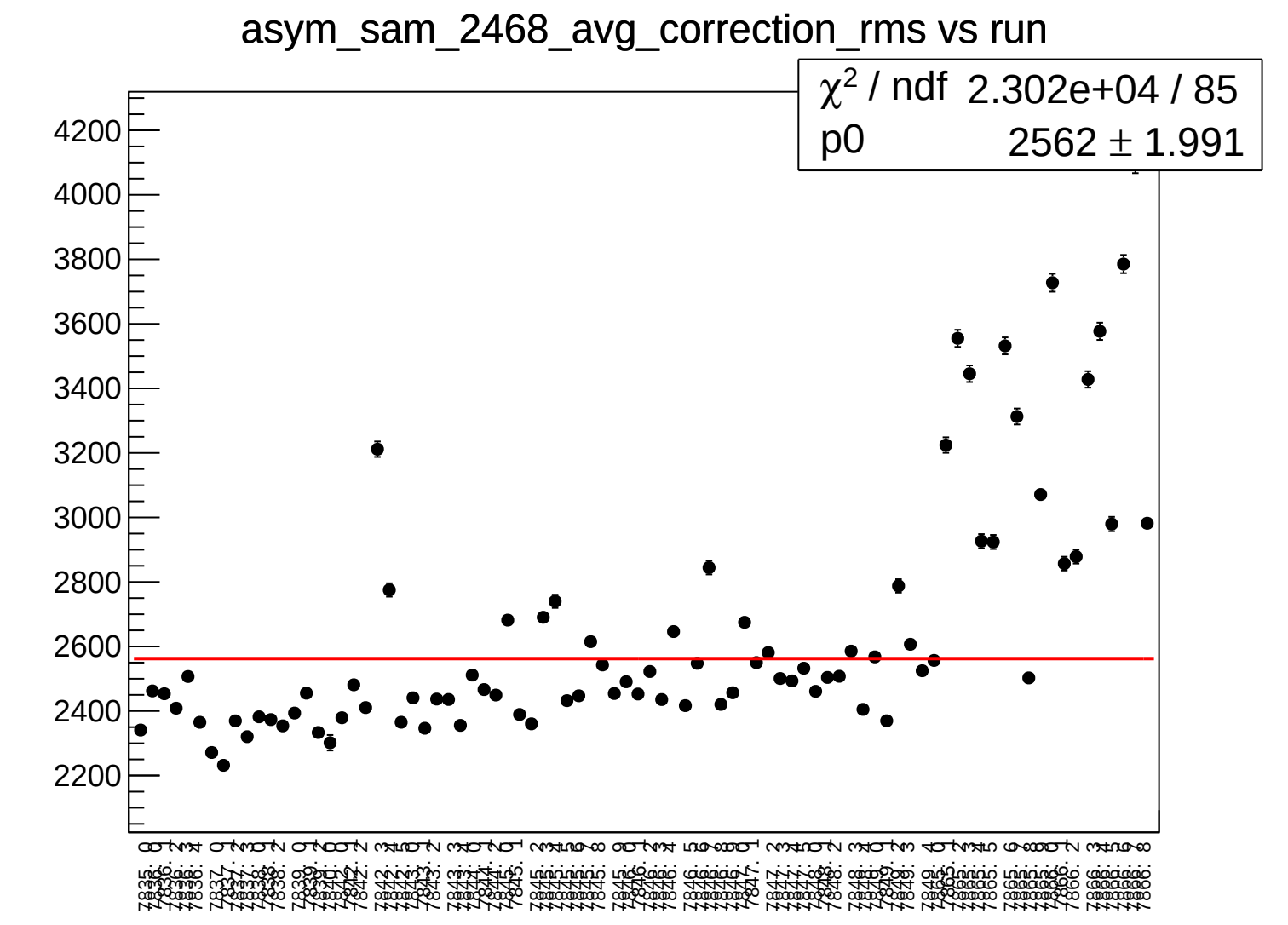

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 78.52 / 85
p0 174.6 ± 264.8
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 117.4
Std Dev 61.25
2
1
0
−1
−2

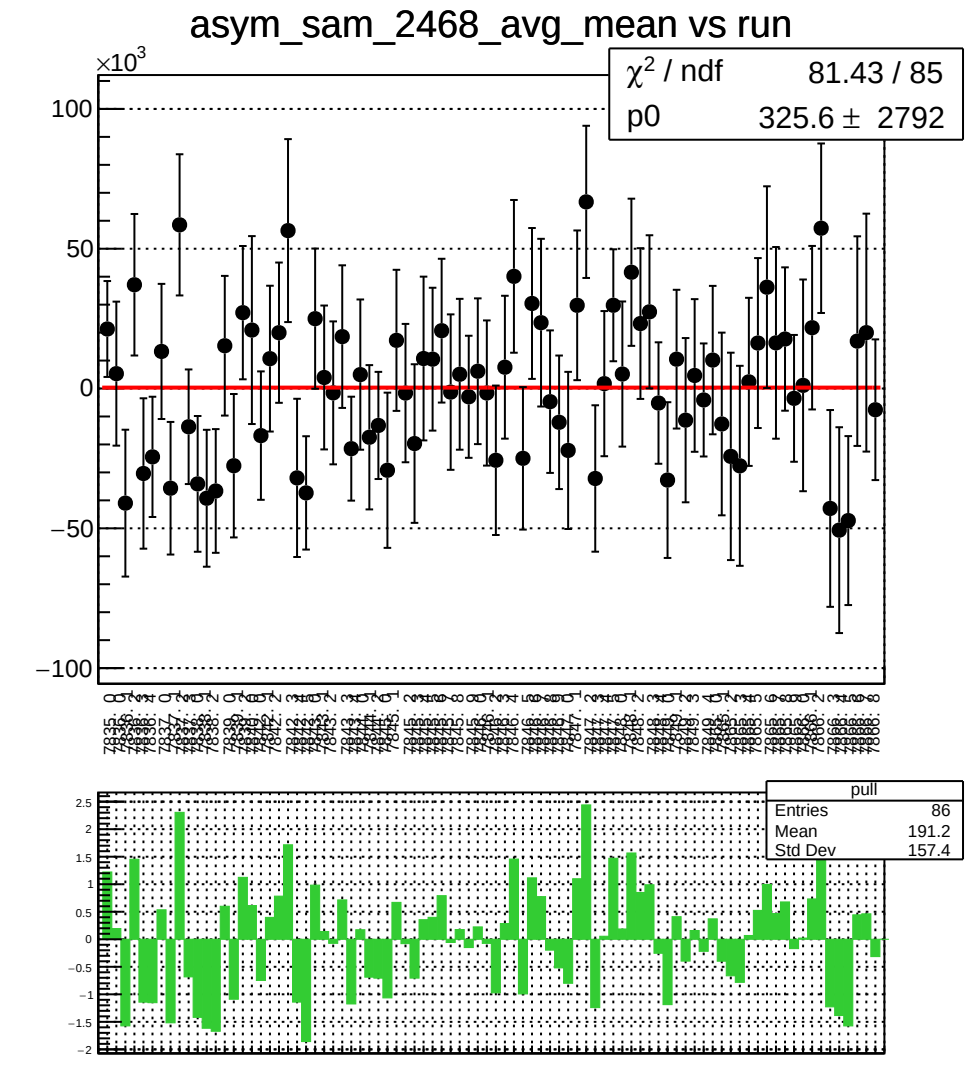

pull1D
Entries 86
Mean 0.01398
Std Dev 0.9554
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

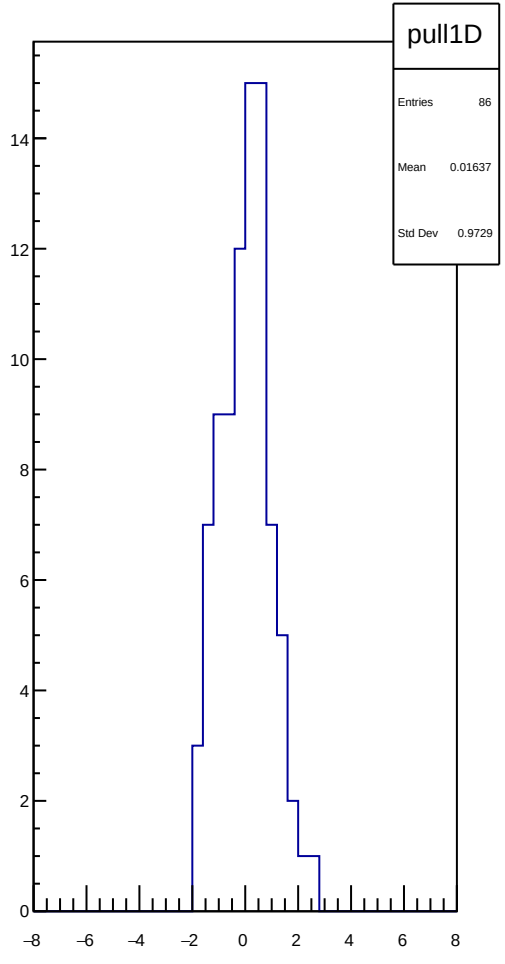

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 7.525e+04 / 85
p0 237.2 ± 0.1873
600
550
500
450
400
350
300
250
200

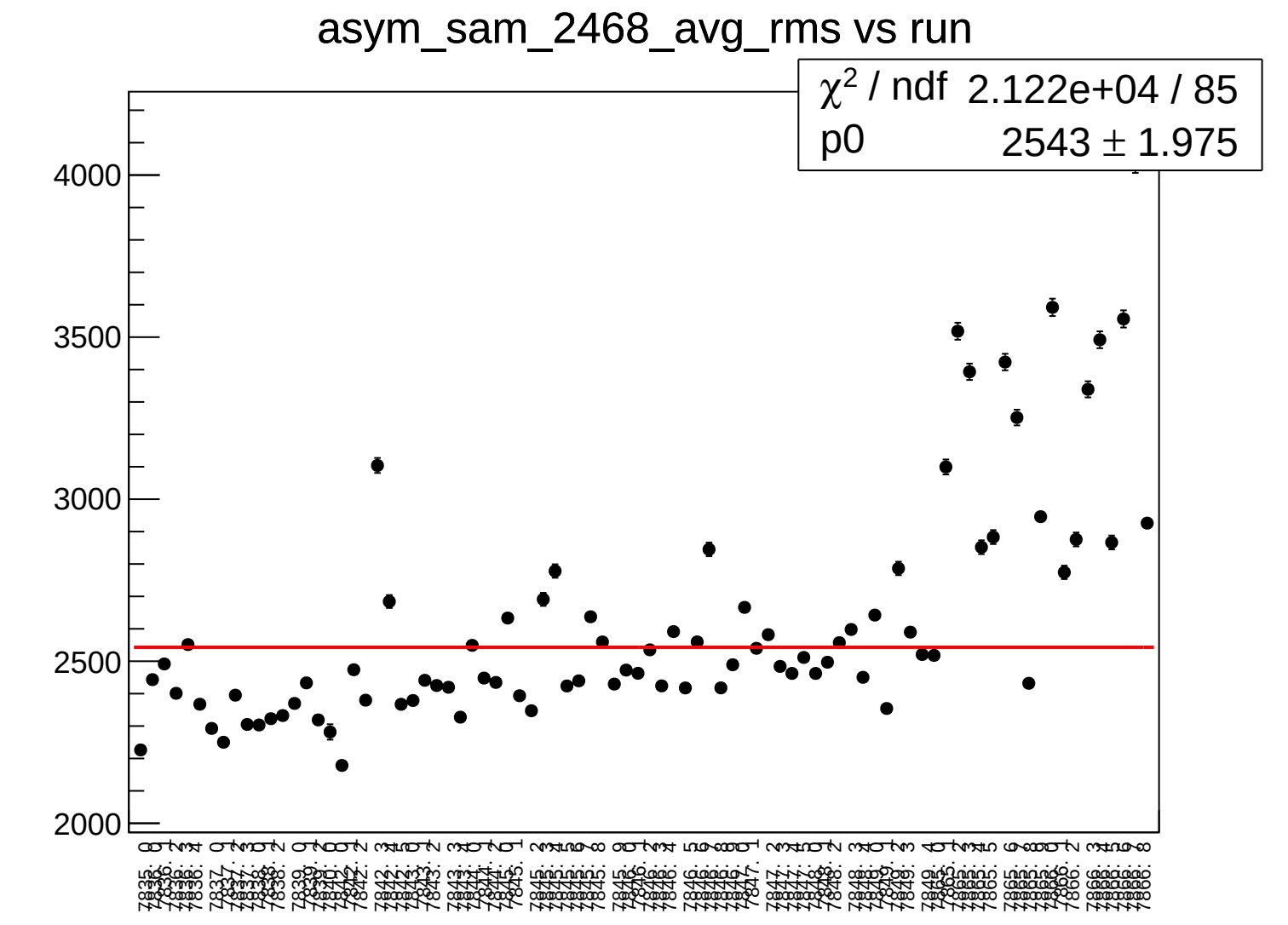

asym_sam_2468_avg_correction_mean vs run
×10^3
χ² / ndf 82.14 / 85
p0 −116.2 ± 2815
pull
Entries 86
Mean 192.3
Std Dev 159.5

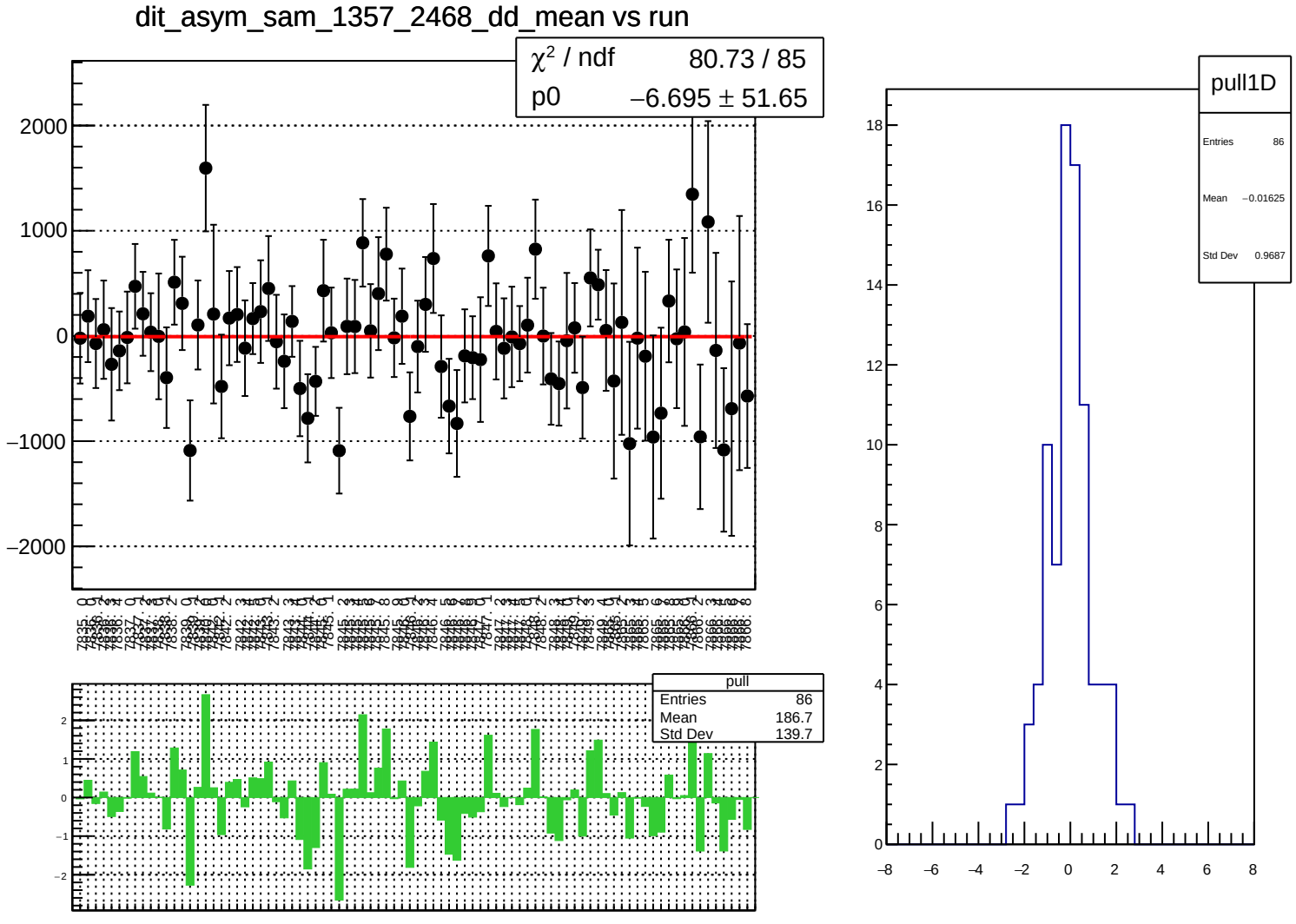

pull1D
Entries 86
Mean −0.01547
Std Dev 0.9772

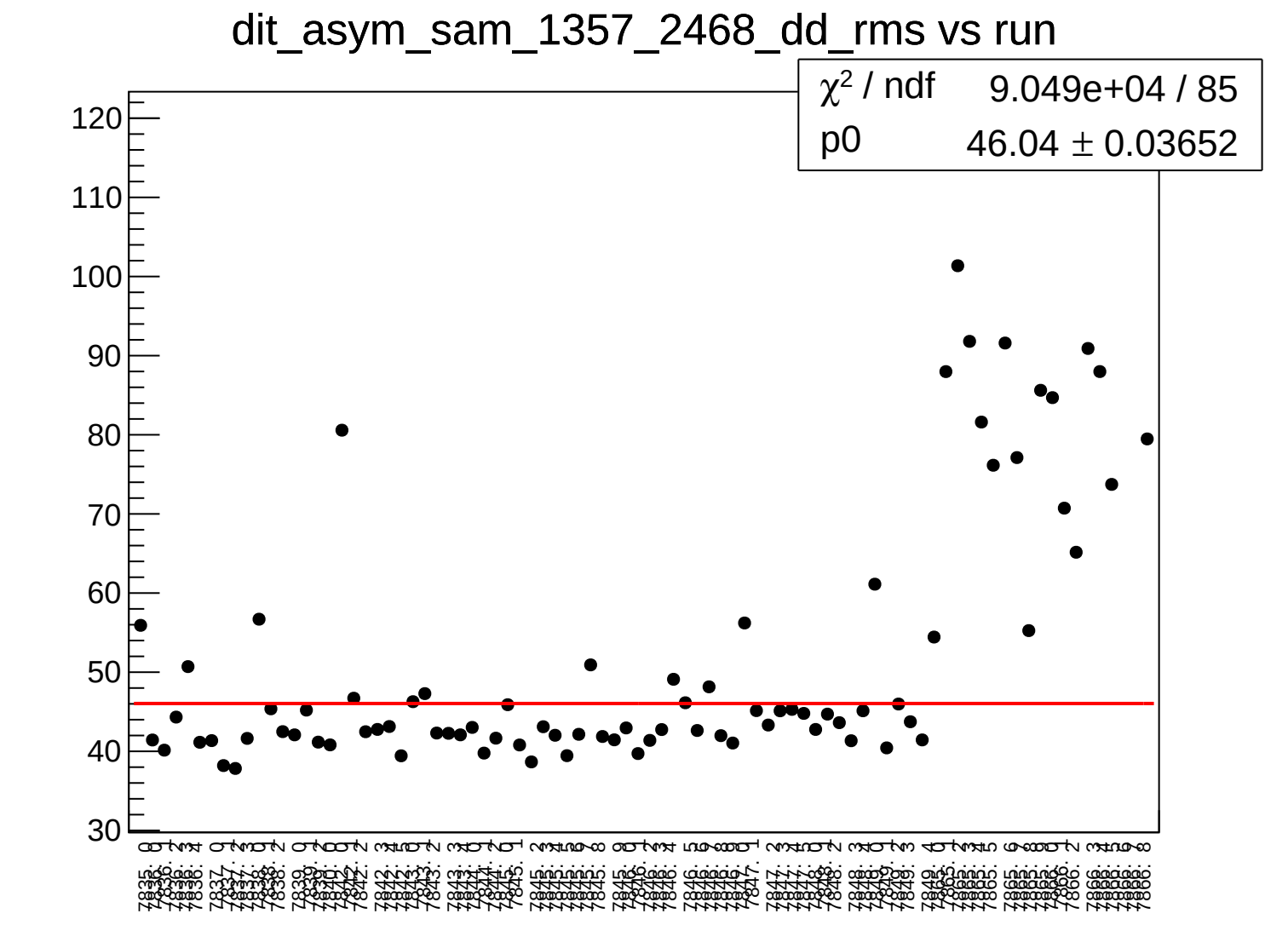

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2.302e+04 / 85
p0 2562 ± 1.991
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200

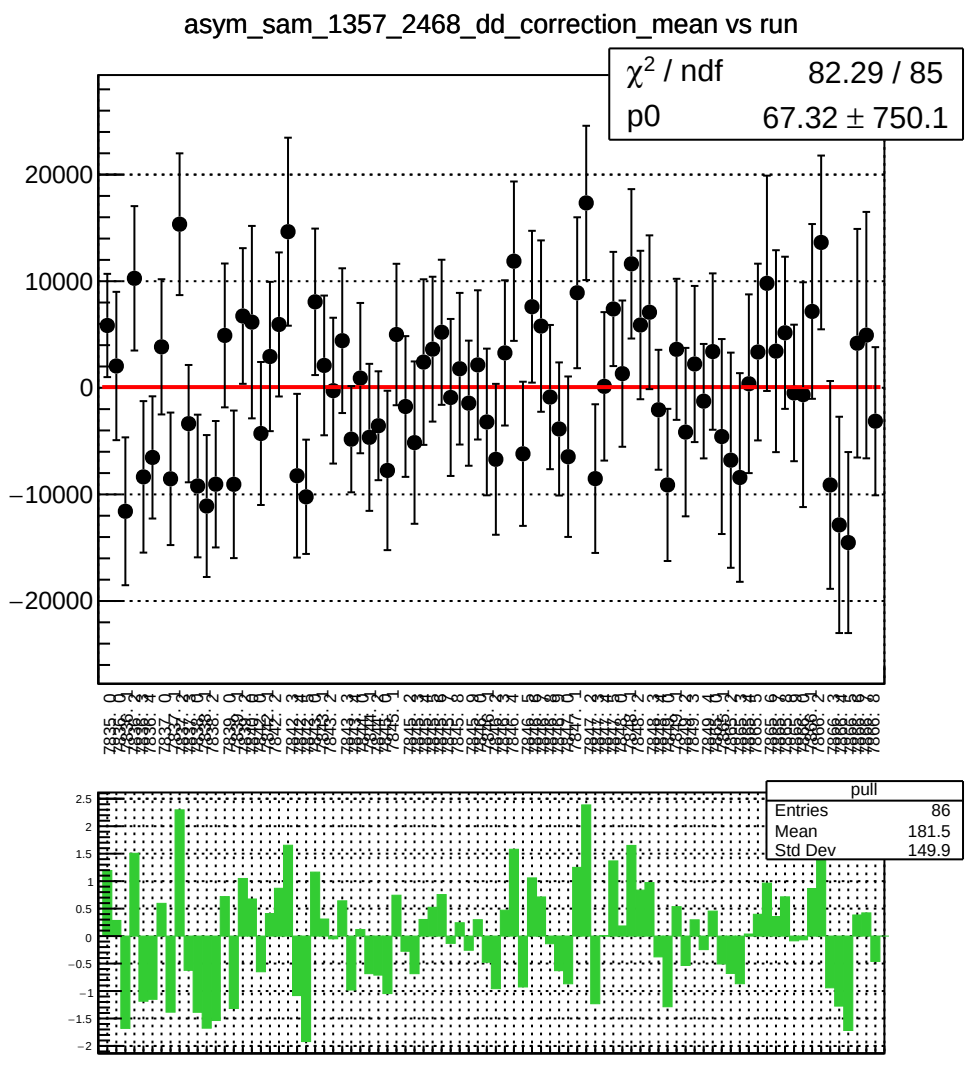

asym_sam_2468_avg_mean vs run
×10^3
χ^2 / ndf 81.43 / 85
p0 325.6 ± 2792
100
50
0
−50
−100
pull
Entries 86
Mean 191.2
Std Dev 157.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

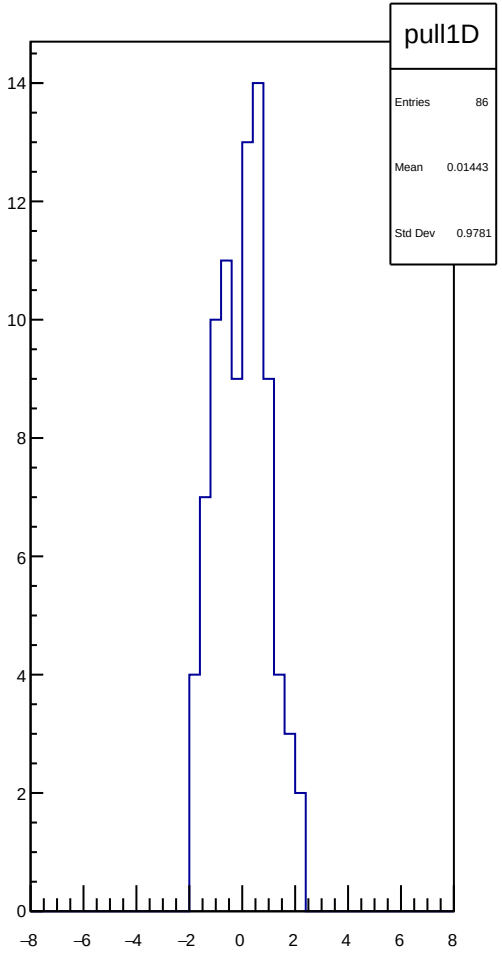

pull1D
Entries 86
Mean 0.01637
Std Dev 0.9729
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

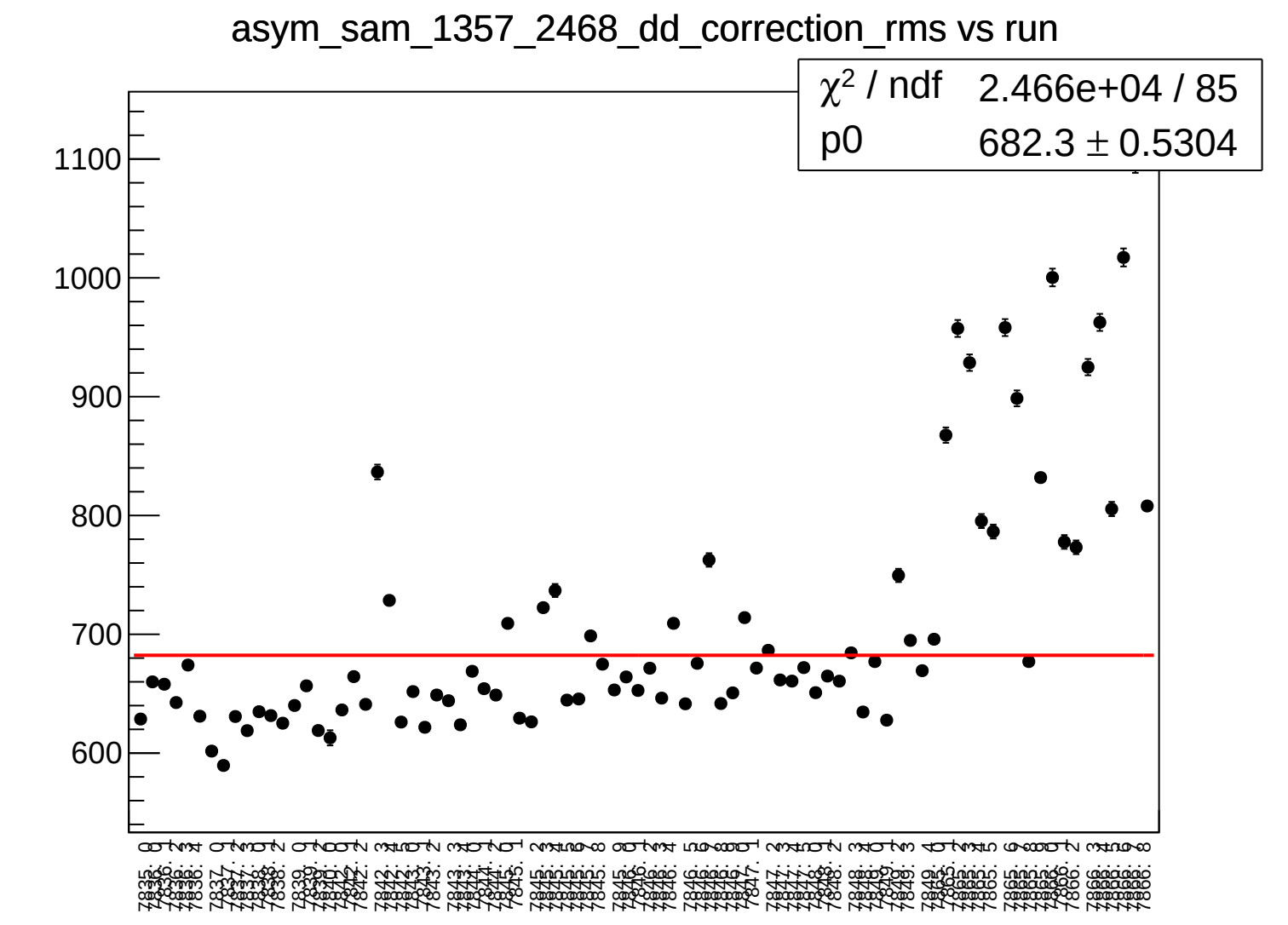

asym_sam_2468_avg_rms vs run
χ² / ndf 2.122e+04 / 85
p0 2543 ± 1.975
4000
3500
3000
2500
2000

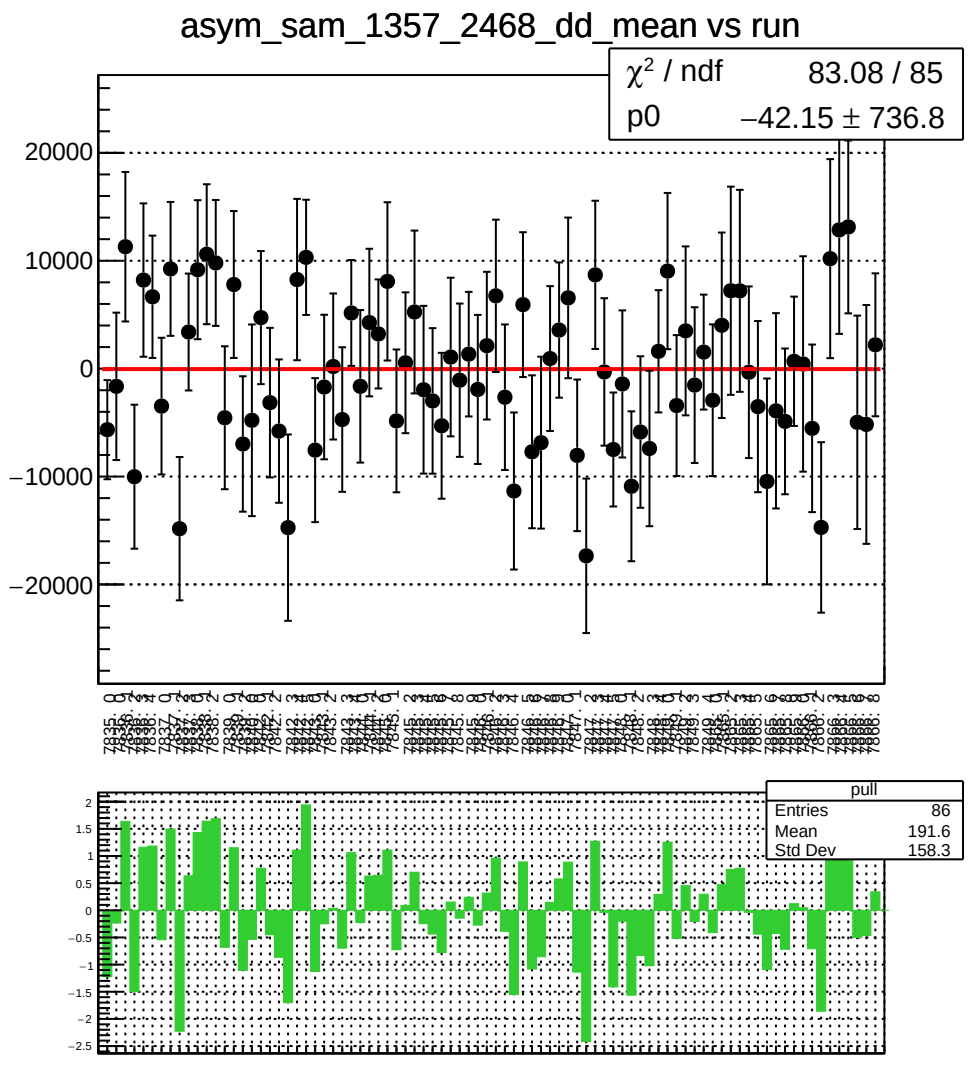

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 80.73 / 85
p0 −6.695 ± 51.65
2000
1000
0
−1000
−2000
pull
Entries 86
Mean 186.7
Std Dev 139.7
pull1D
Entries 86
Mean −0.01625
Std Dev 0.9687
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

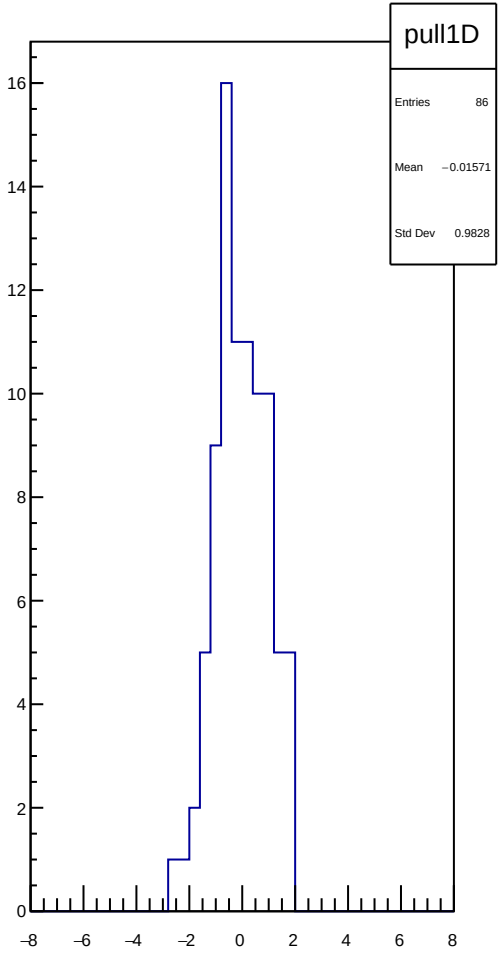

dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 9.049e+04 / 85
p0 46.04 ± 0.03652
120
110
100
90
80
70
60
50
40
30

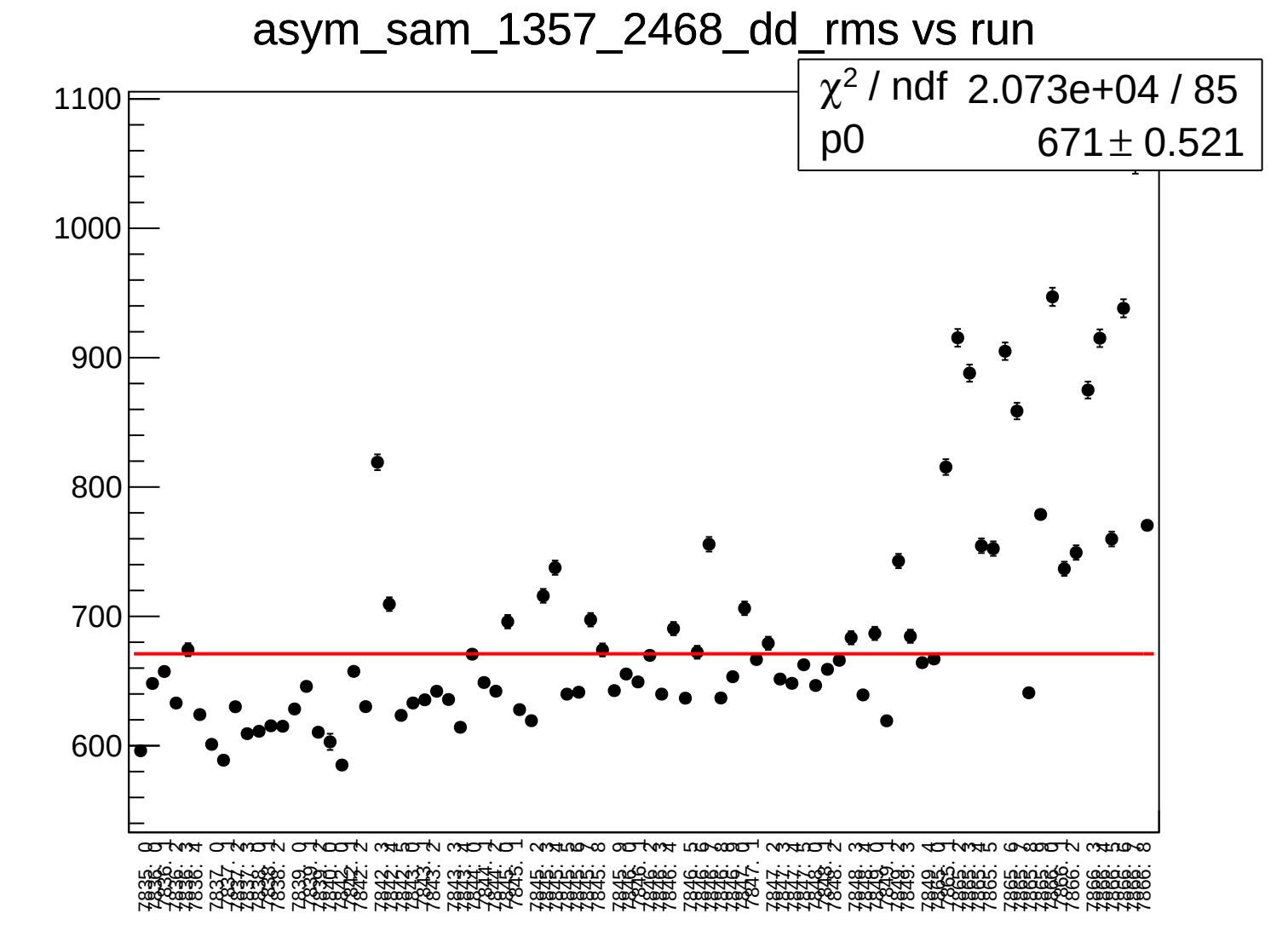

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 82.29 / 85
p0 67.32 ± 750.1
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 181.5
Std Dev 149.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

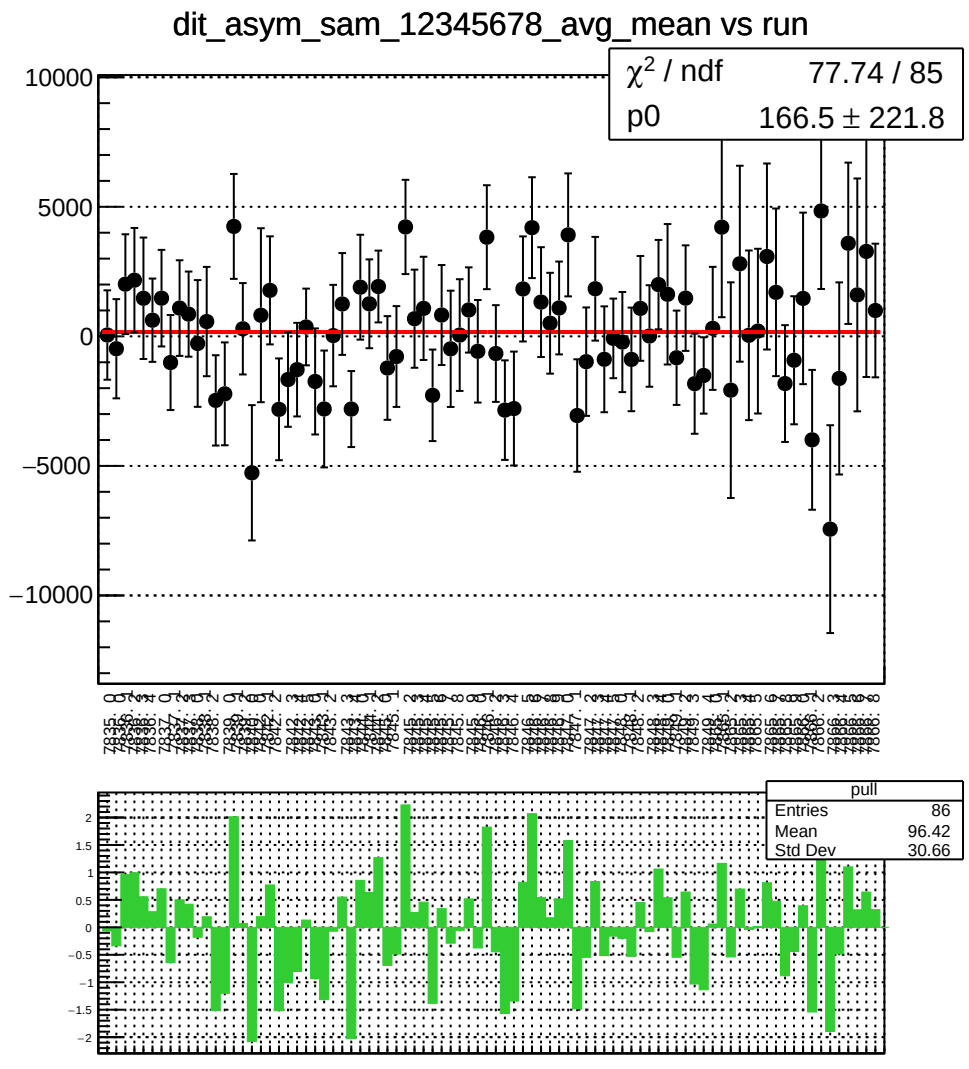

pull1D
Entries 86
Mean 0.01443
Std Dev 0.9781
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

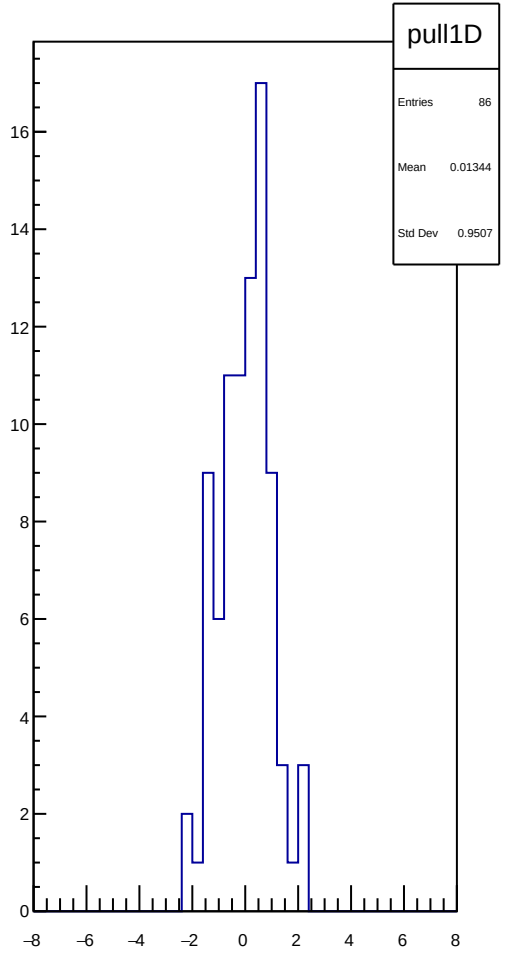

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 2.466e+04 / 85
p0 682.3 ± 0.5304
1100
1000
900
800
700
600

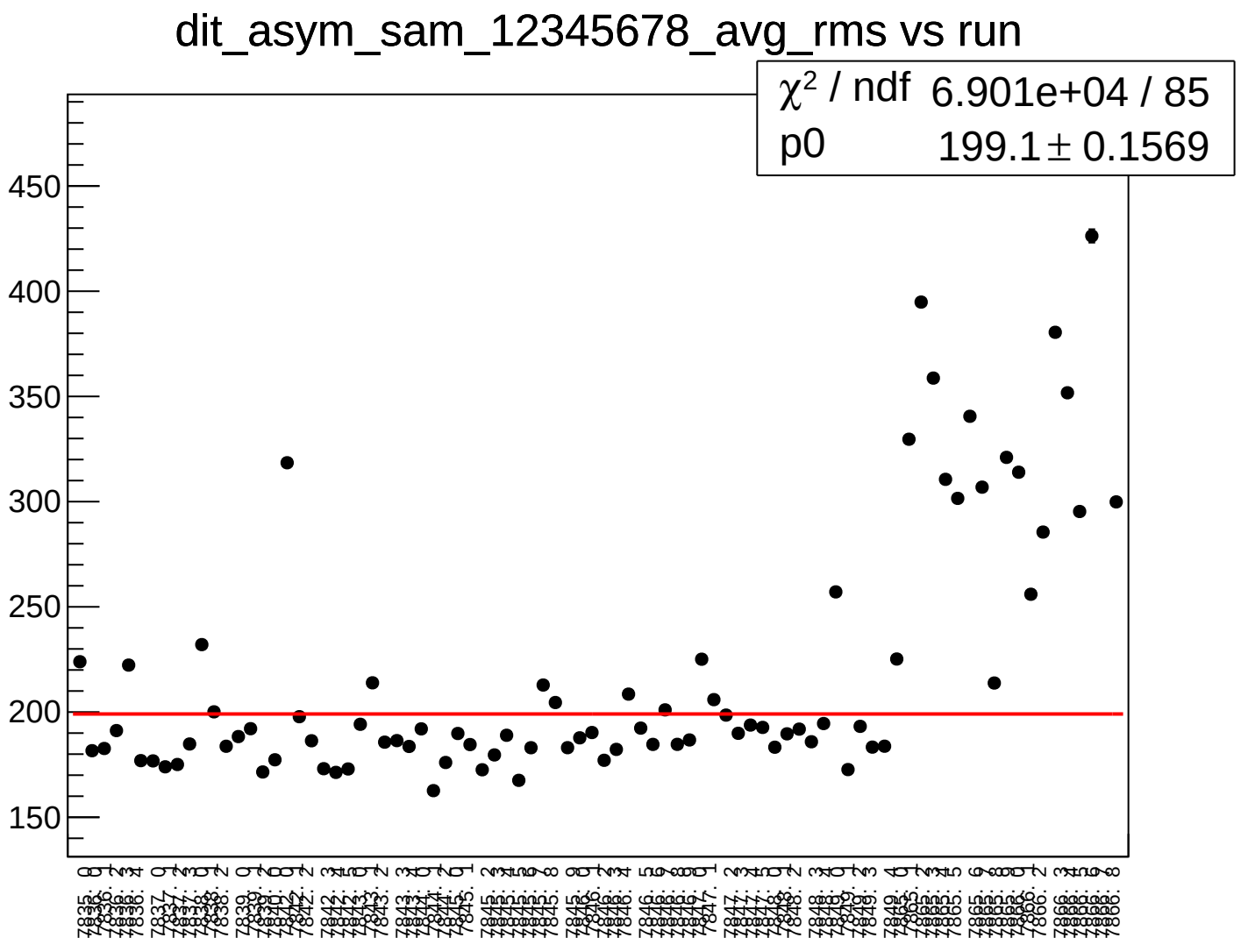

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 83.08 / 85
p0 −42.15 ± 736.8
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 191.6
Std Dev 158.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

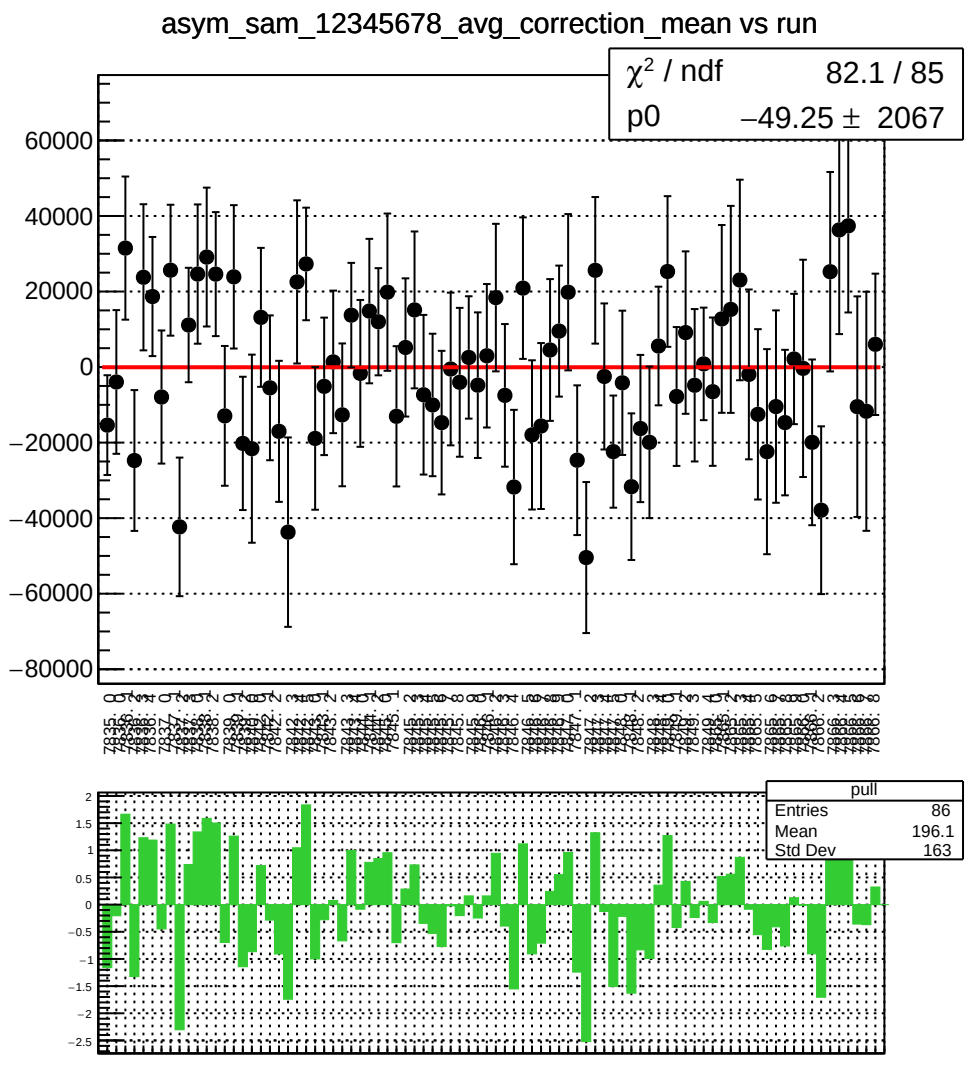

pull1D
Entries 86
Mean −0.01571
Std Dev 0.9828
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

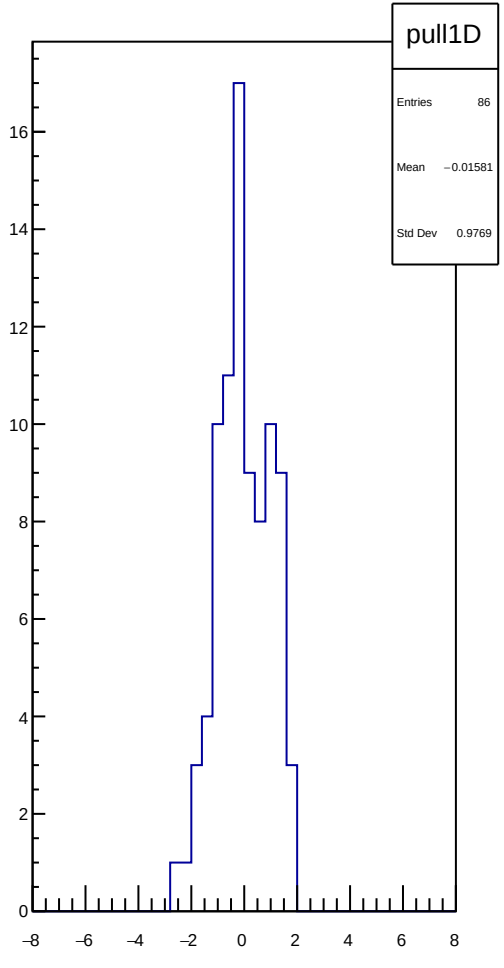

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.073e+04 / 85
p0 671 ± 0.521
1100
1000
900
800
700
600

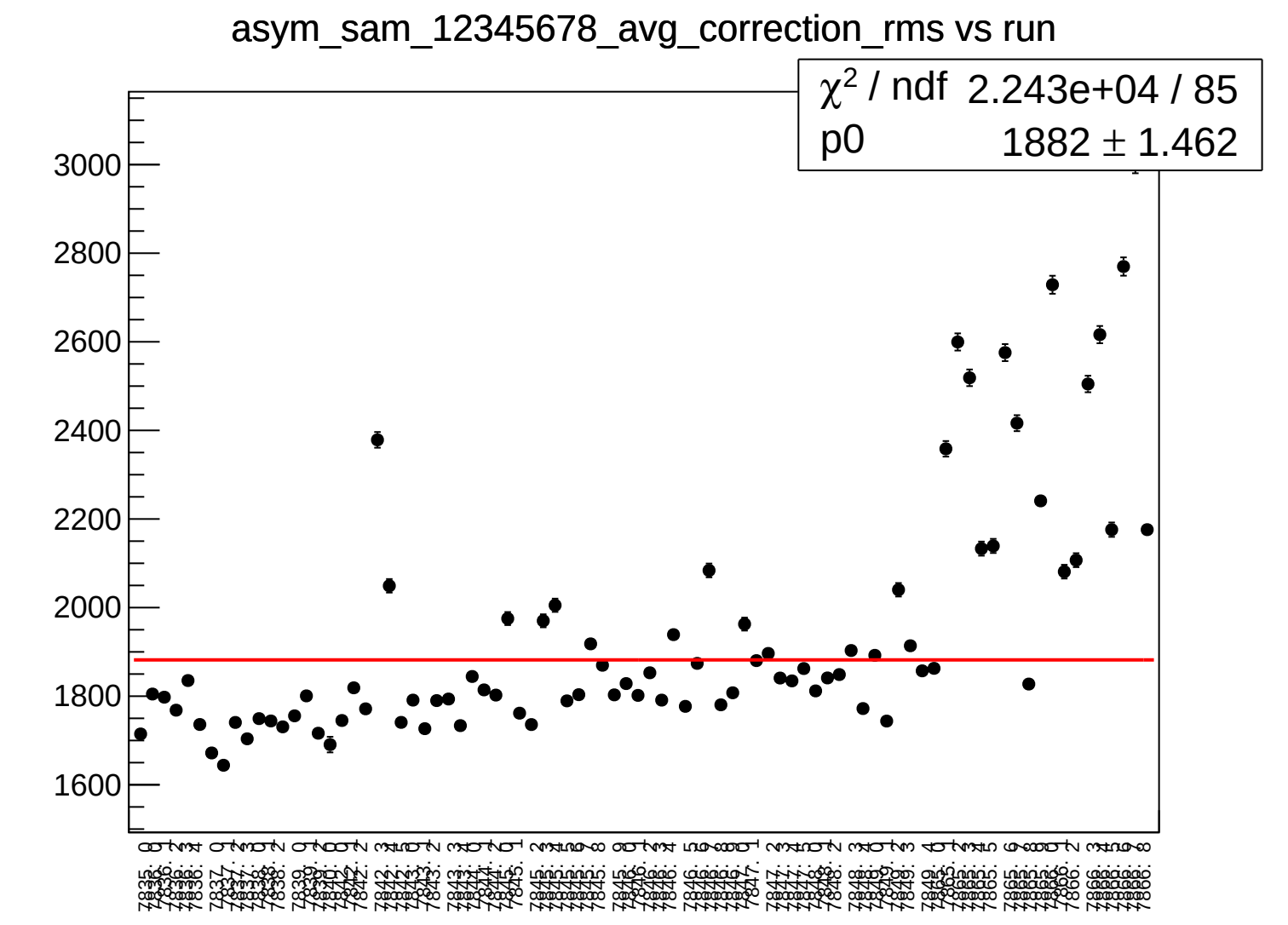

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 77.74 / 85
p0 166.5 ± 221.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 96.42
Std Dev 30.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

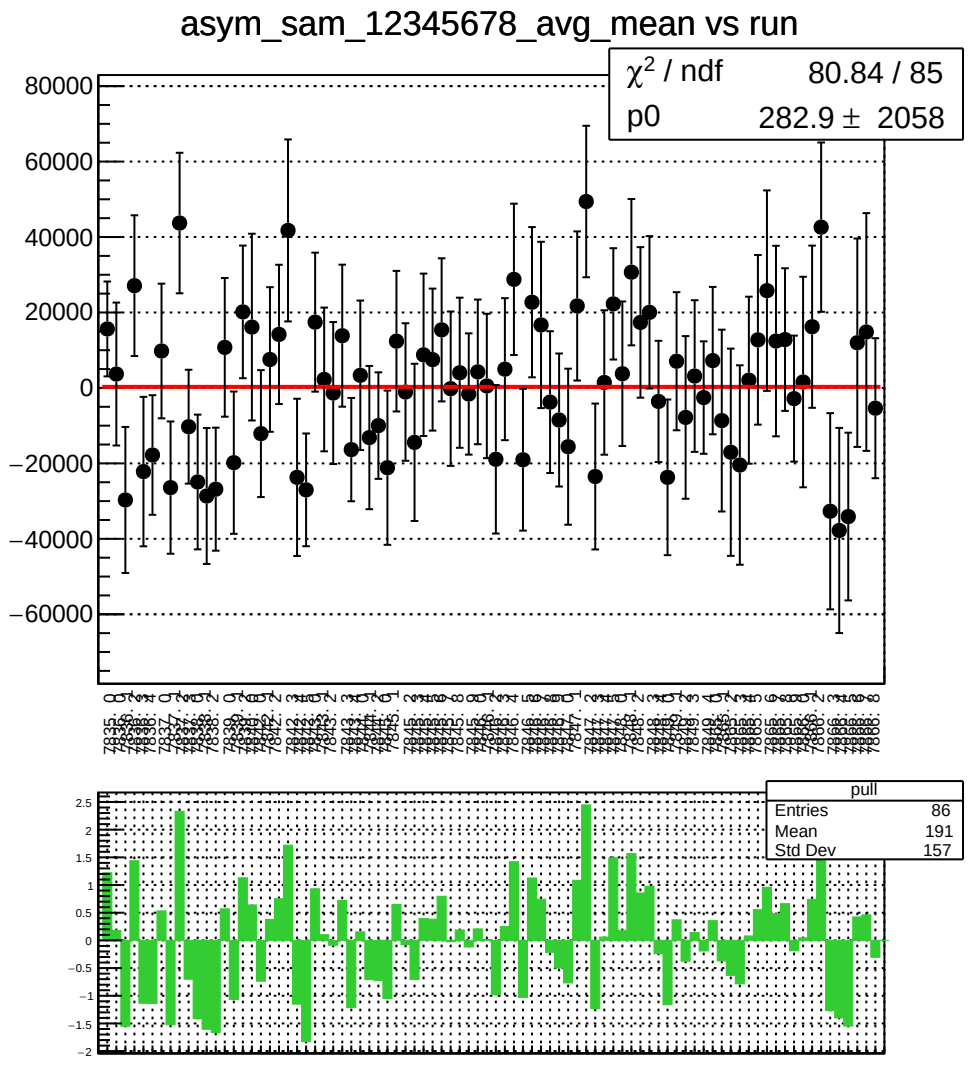

pull1D
Entries 86
Mean 0.01344
Std Dev 0.9507
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

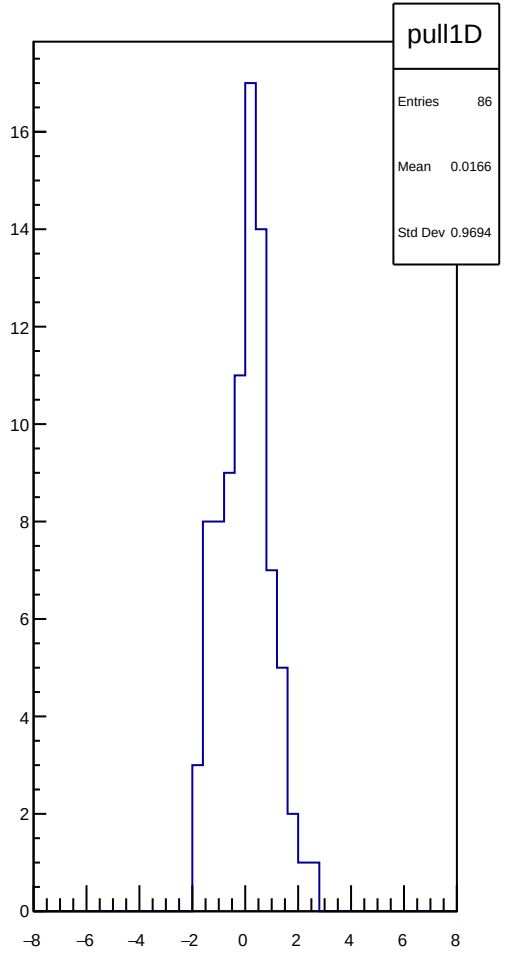

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 6.901e+04 / 85
p0 199.1 ± 0.1569
450
400
350
300
250
200
150

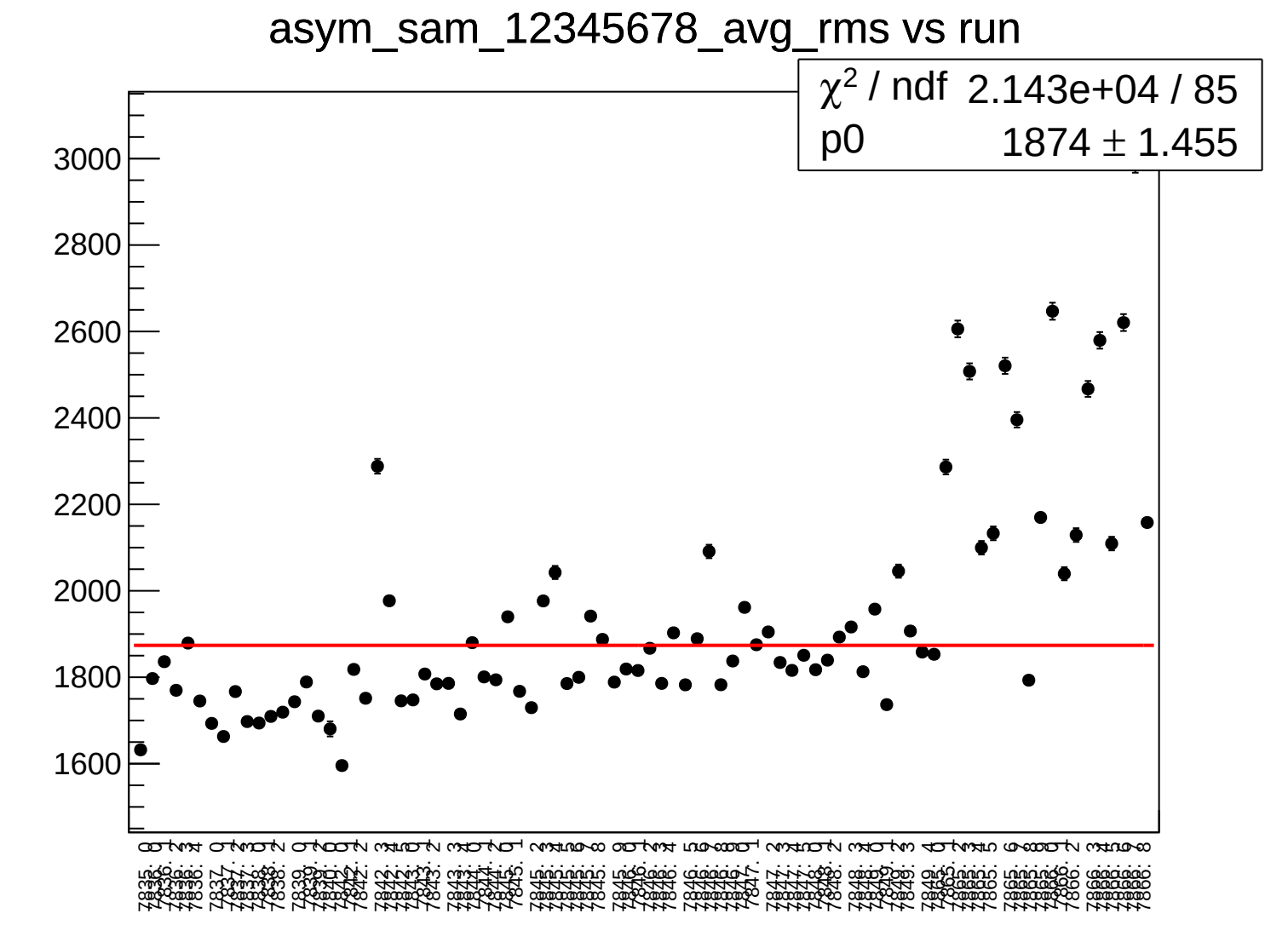

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 82.1 / 85
p0 −49.25 ± 2067
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean 196.1
Std Dev 163
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

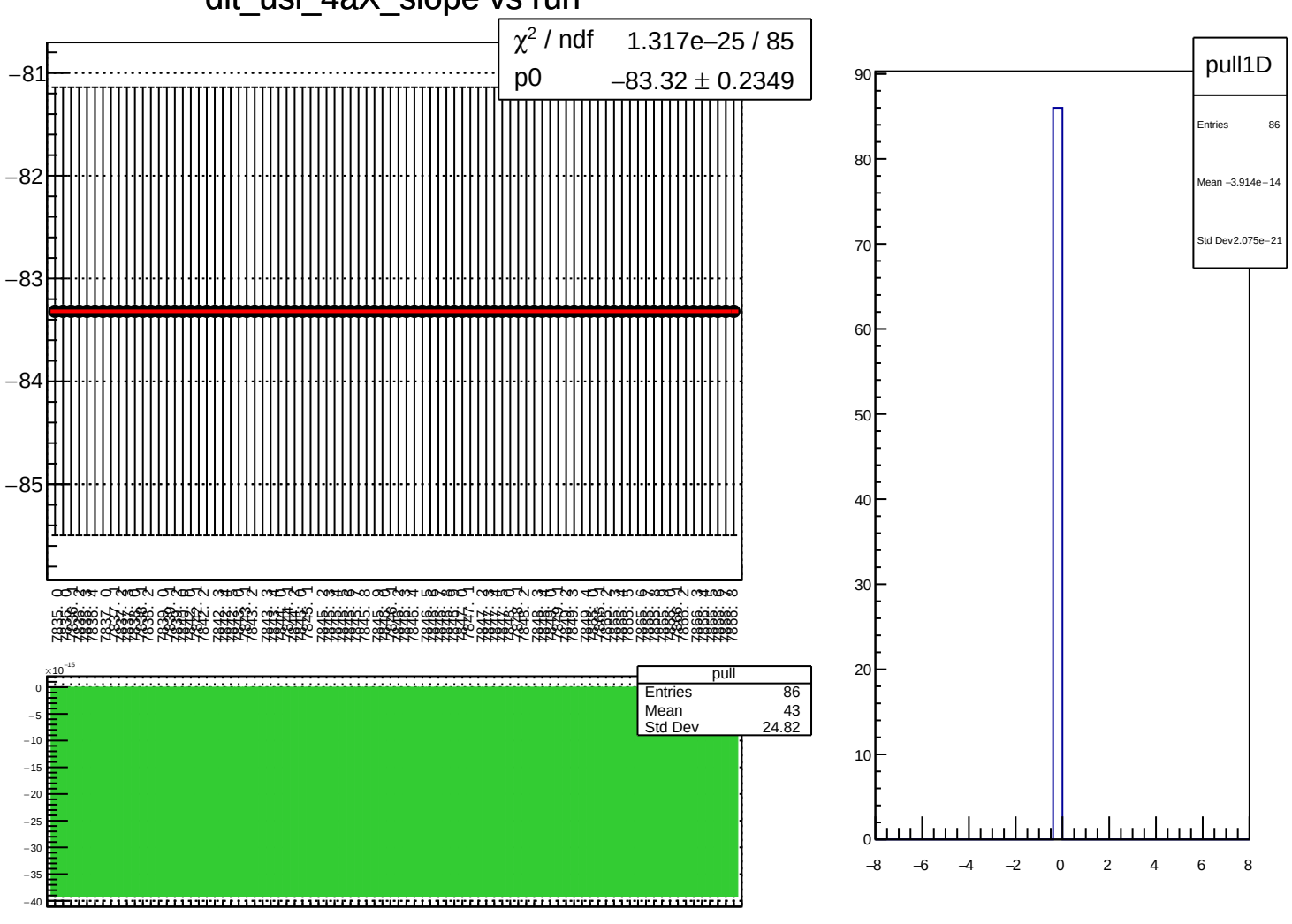

pull1D
Entries 86
Mean −0.01581
Std Dev 0.9769
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

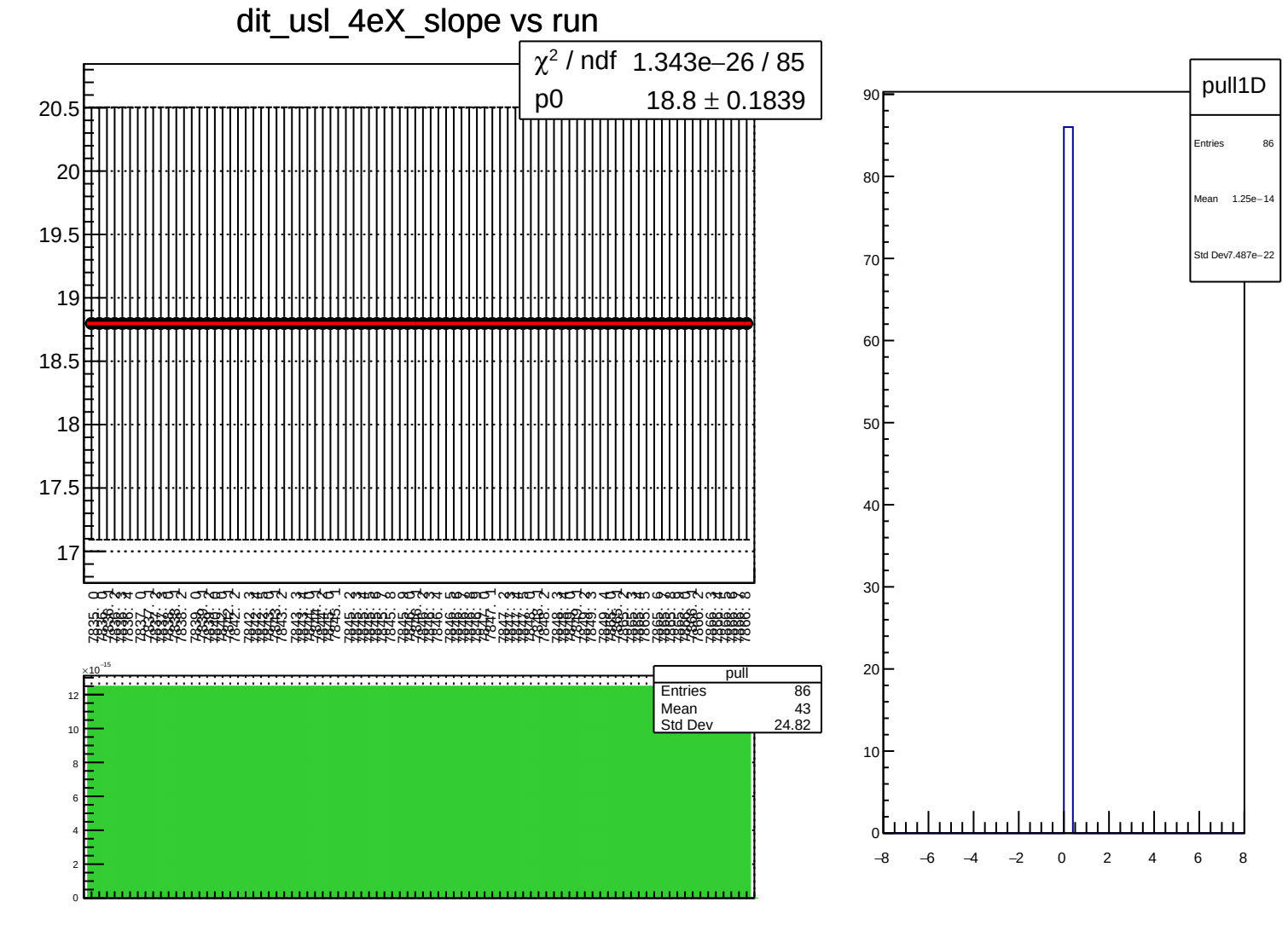

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 2.243e+04 / 85
p0 1882 ± 1.462
3000
2800
2600
2400
2200
2000
1800
1600

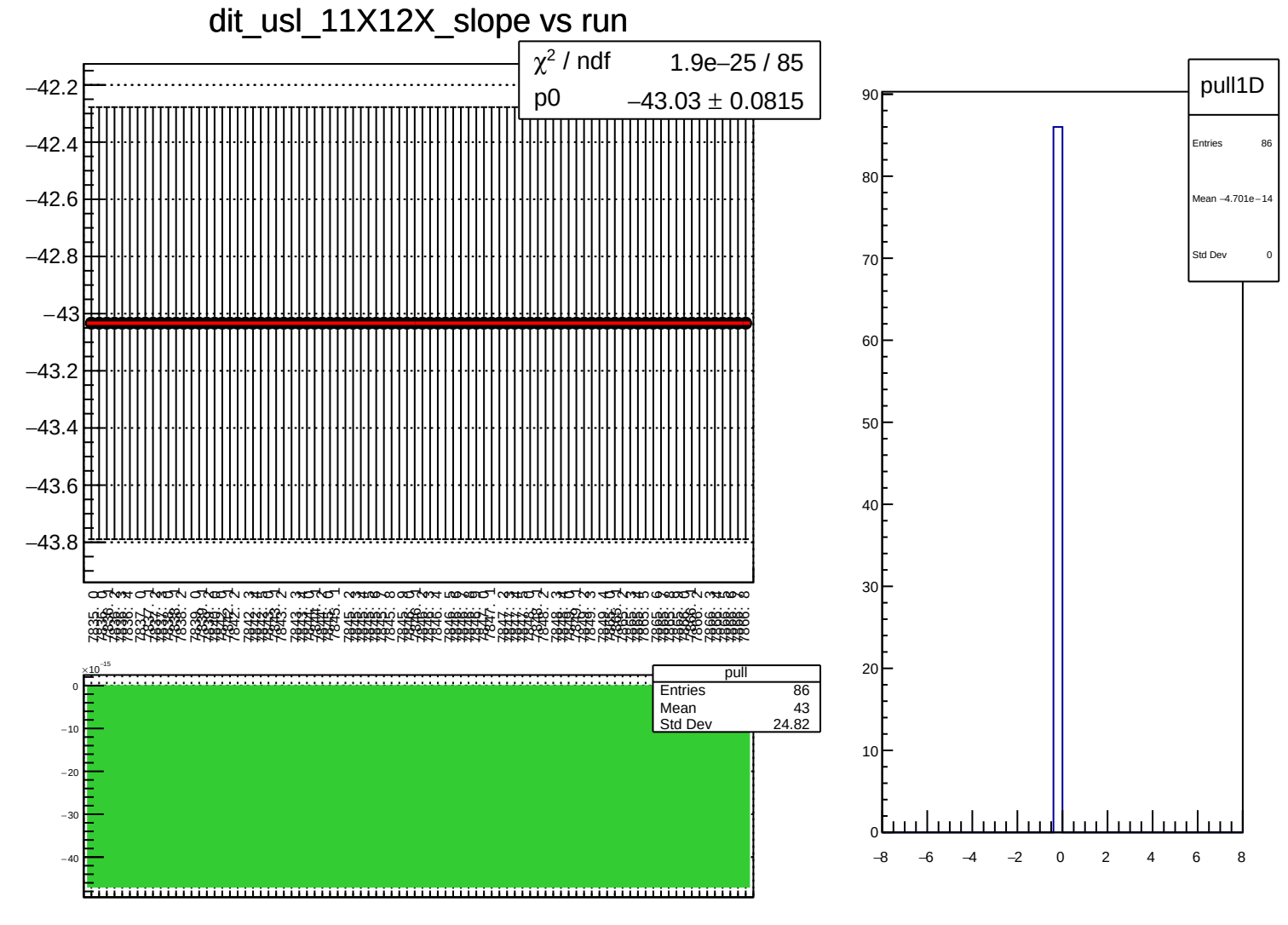

asym_sam_12345678_avg_mean vs run
χ² / ndf 80.84 / 85
p0 282.9 ± 2058
pull
Entries 86
Mean 191
Std Dev 157

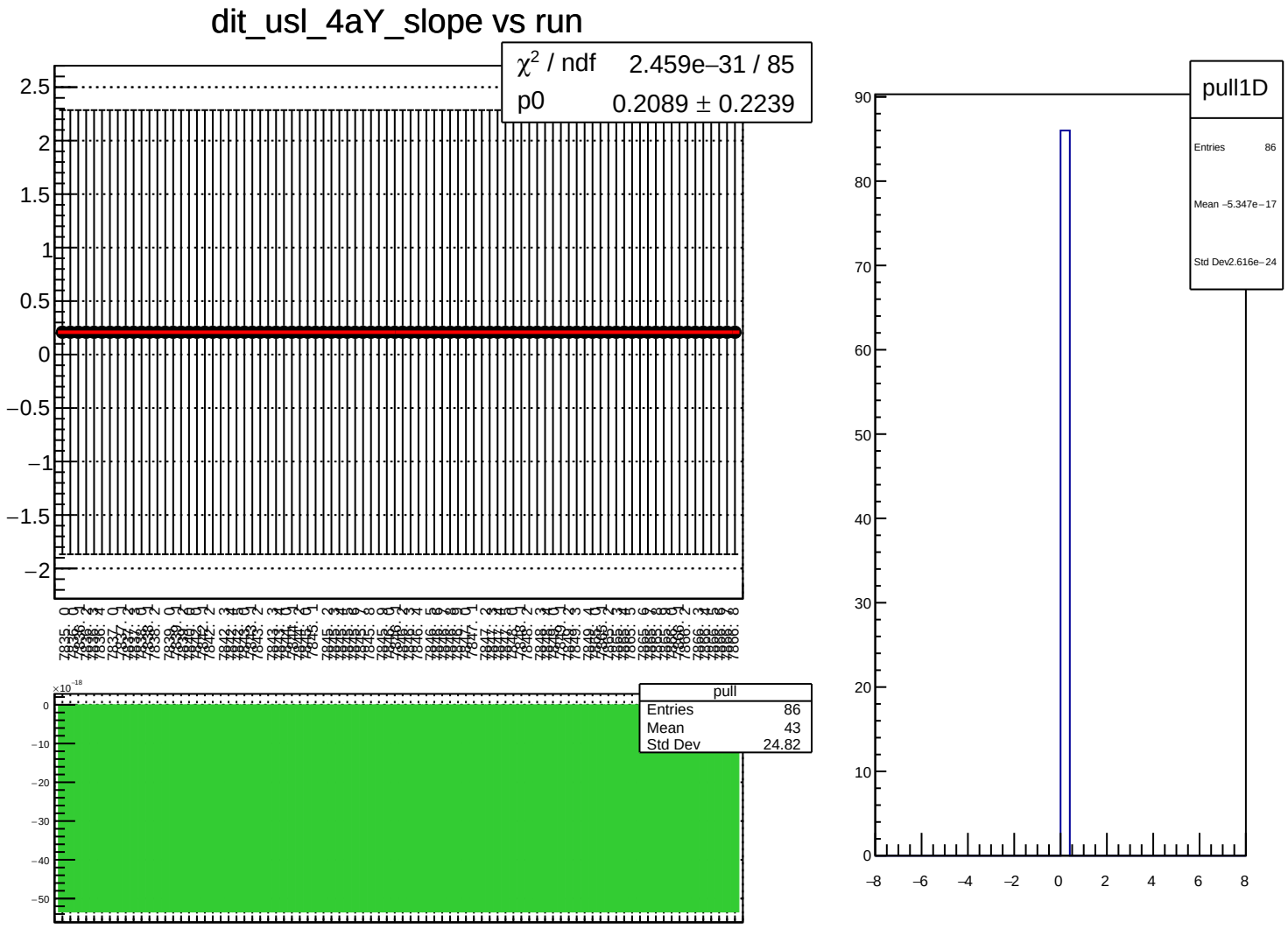

pull1D
Entries 86
Mean 0.0166
Std Dev 0.9694

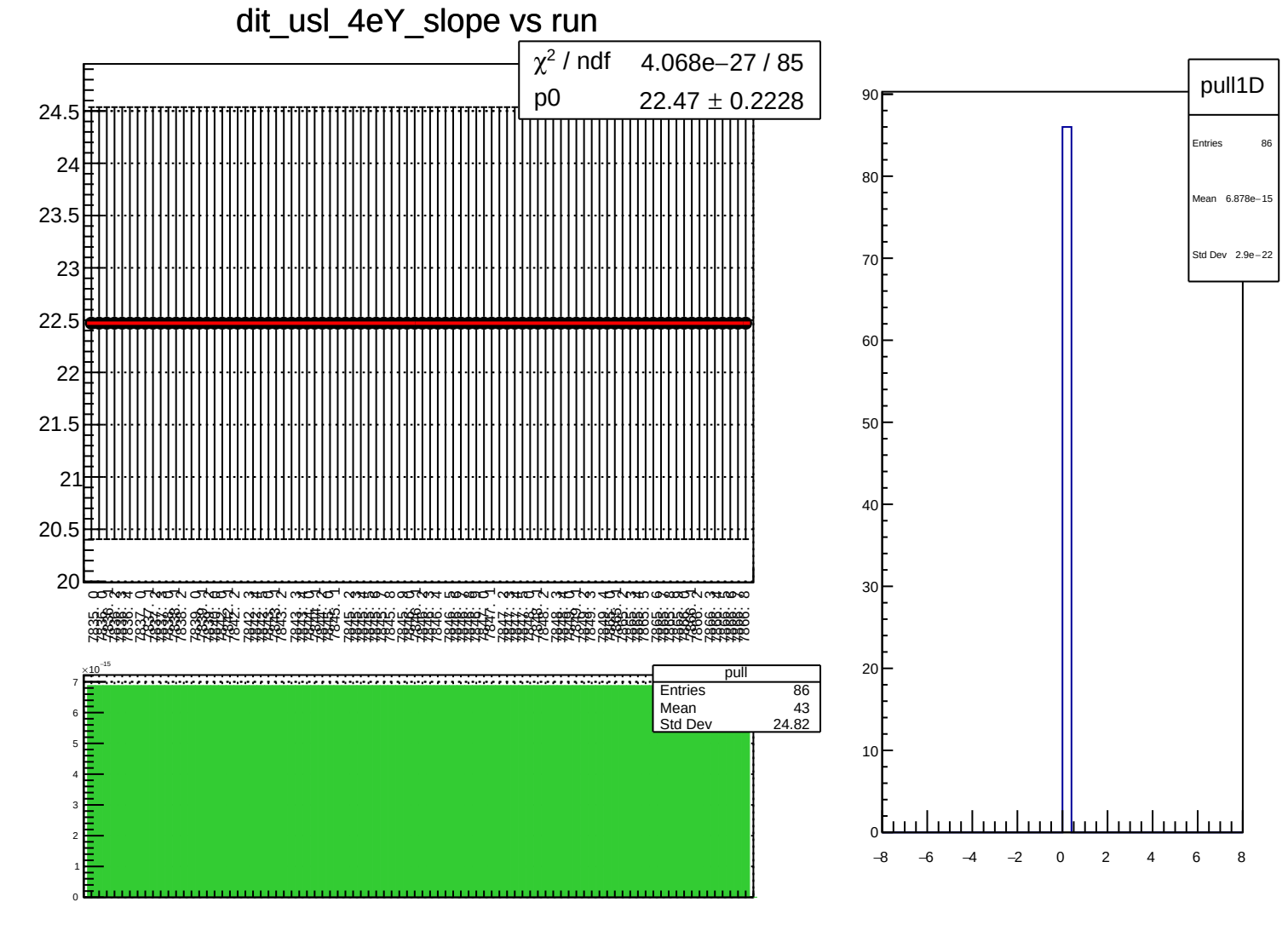

asym_sam_12345678_avg_rms vs run
χ² / ndf 2.143e+04 / 85
p0 1874 ± 1.455
3000
2800
2600
2400
2200
2000
1800
1600

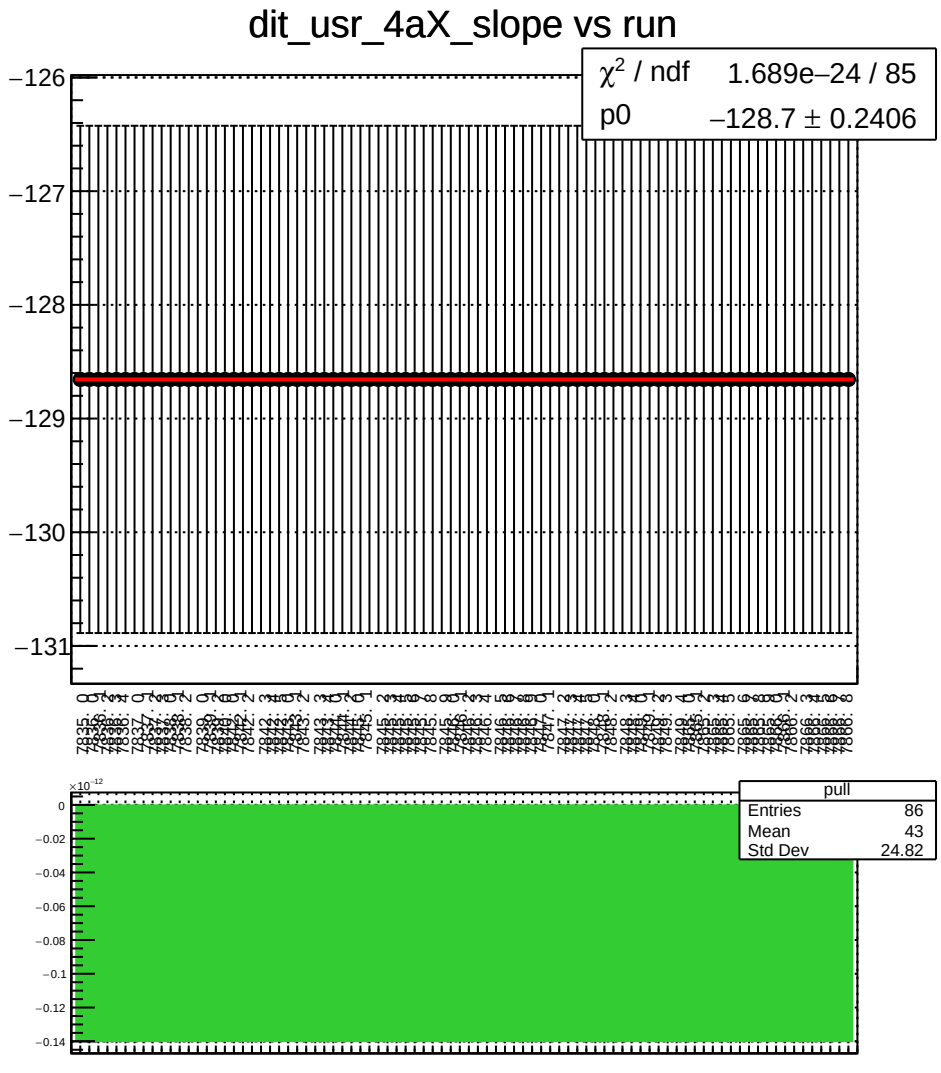

dit_usl_4aX_slope vs run
χ² / ndf 1.317e−25 / 85
p0 −83.32 ± 0.2349
−81
−82
−83
−84
−85
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 86
Mean −3.914e−14
Std Dev2.075e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

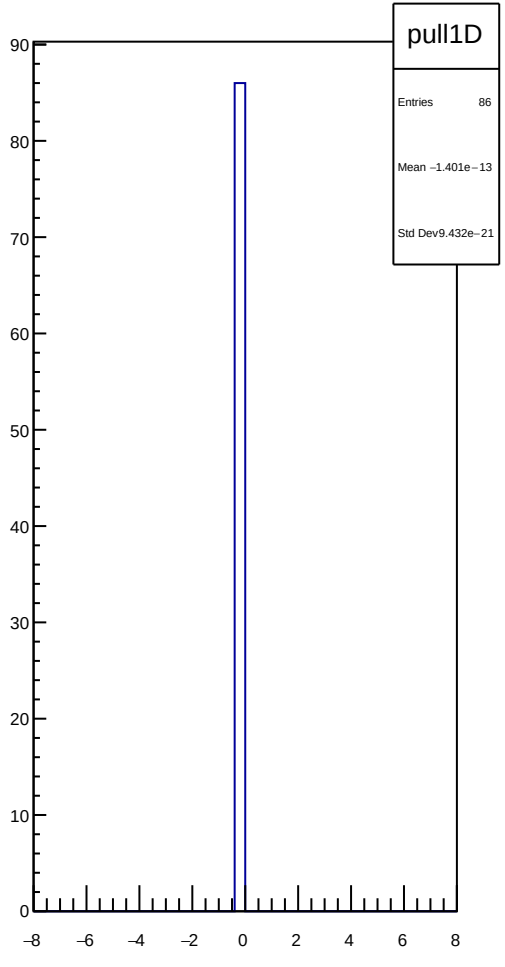

dit_usl_4eX_slope vs run
χ² / ndf 1.343e−26 / 85
p0 18.8 ± 0.1839
20.5
20
19.5
19
18.5
18
17.5
17
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
12
10
8
6
4
2
0
pull1D
Entries 86
Mean 1.25e−14
Std Dev7.487e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

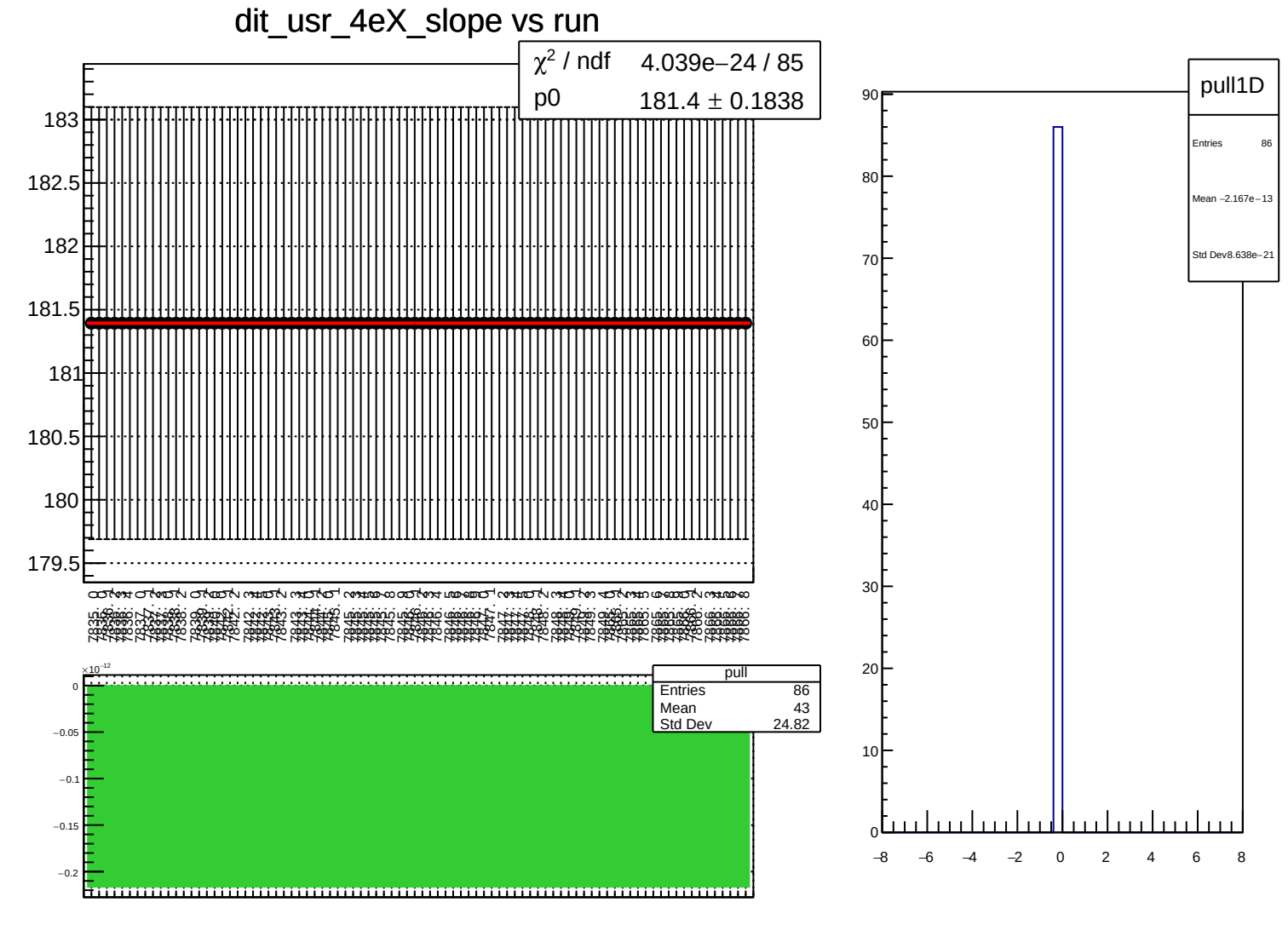

dit_usl_11X12X_slope vs run
χ² / ndf 1.9e−25 / 85
p0 −43.03 ± 0.0815
−42.2
−42.4
−42.6
−42.8
−43
−43.2
−43.4
−43.6
−43.8
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
pull1D
Entries 86
Mean −4.701e−14
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

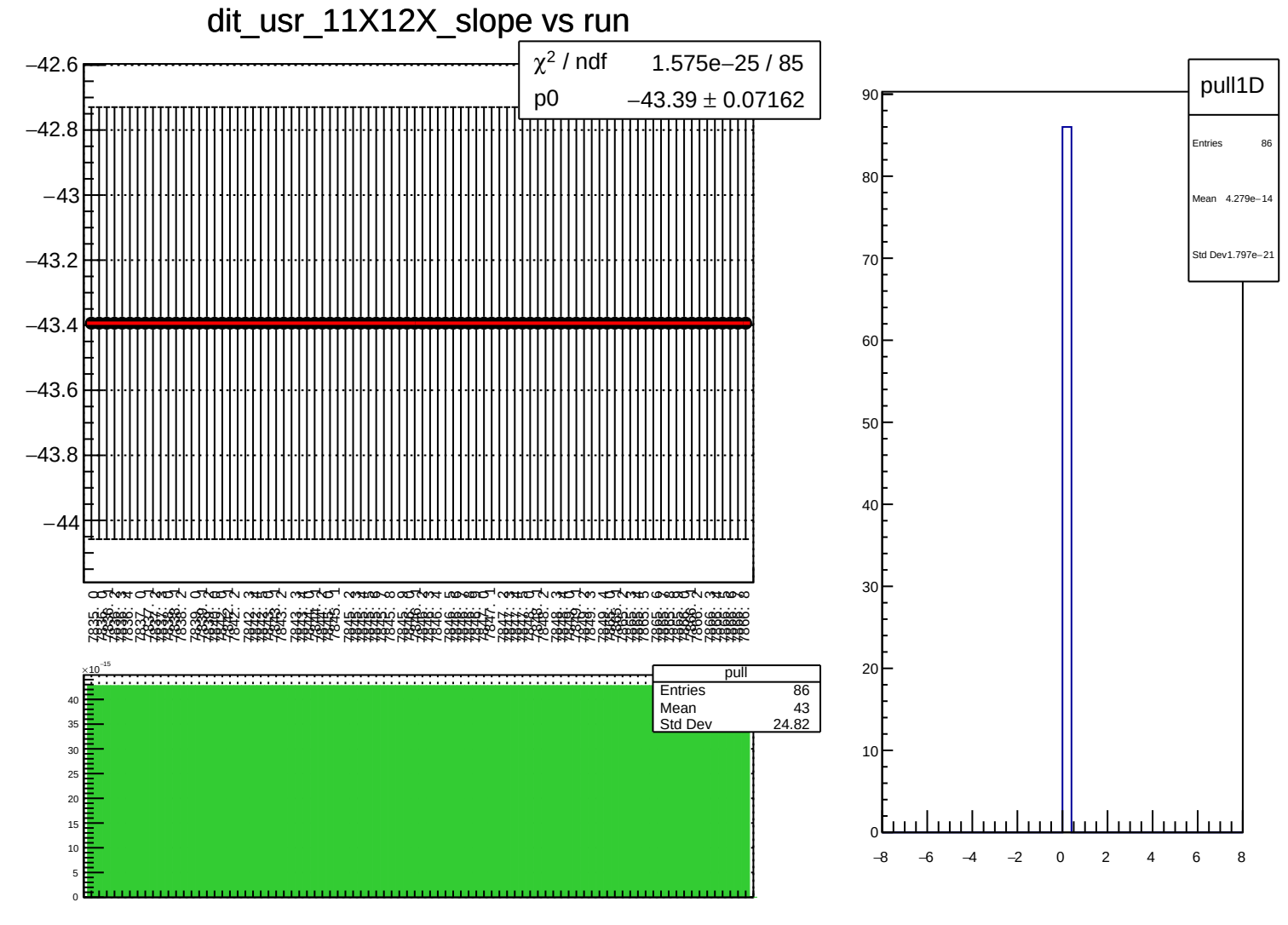

dit_usl_4aY_slope vs run
χ² / ndf 2.459e−31 / 85
p0 0.2089 ± 0.2239
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −5.347e−17
Std Dev2.616e−24

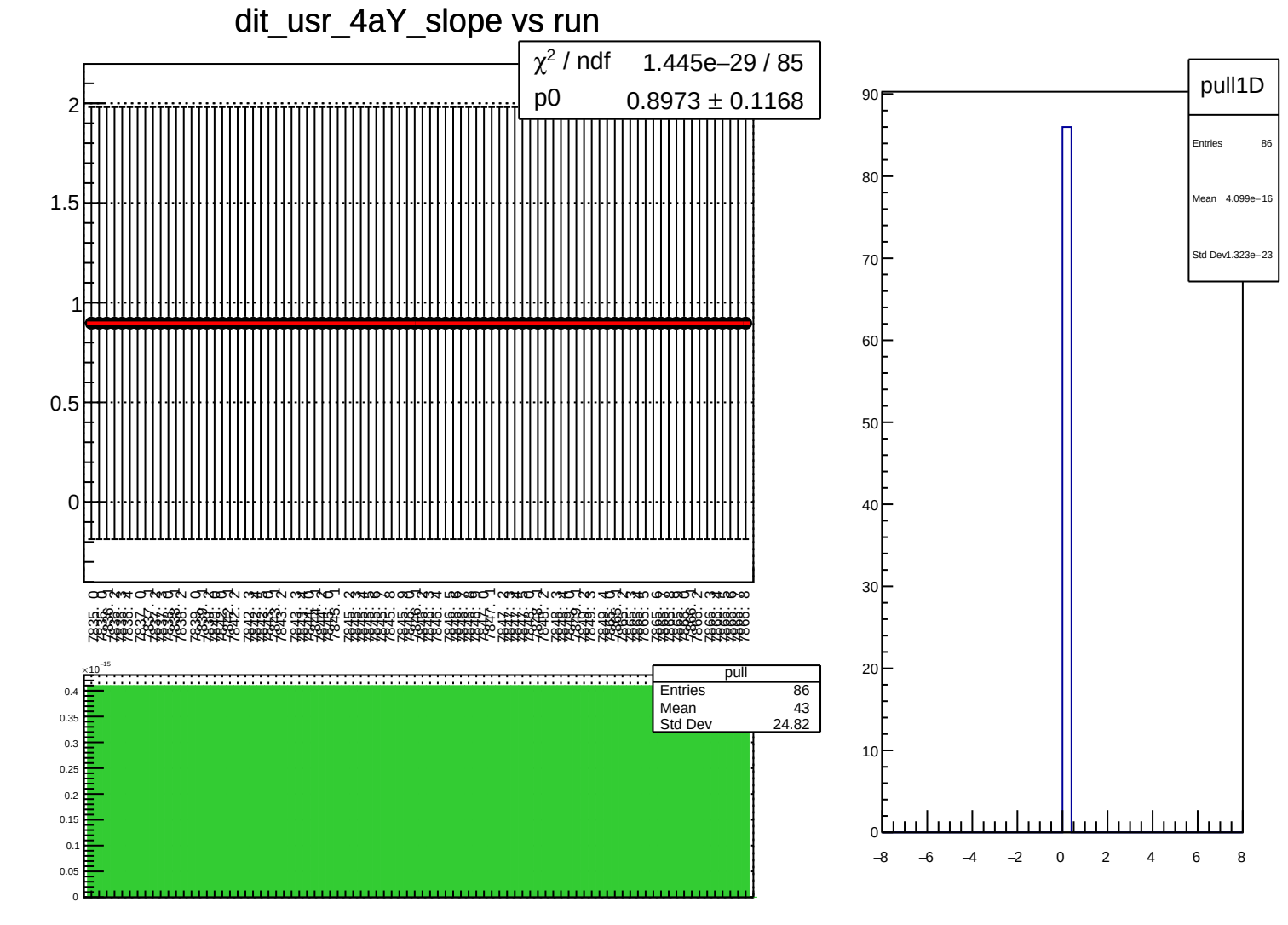

dit_usl_4eY_slope vs run
χ² / ndf 4.068e−27 / 85
p0 22.47 ± 0.2228
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 6.878e−15
Std Dev 2.9e−22

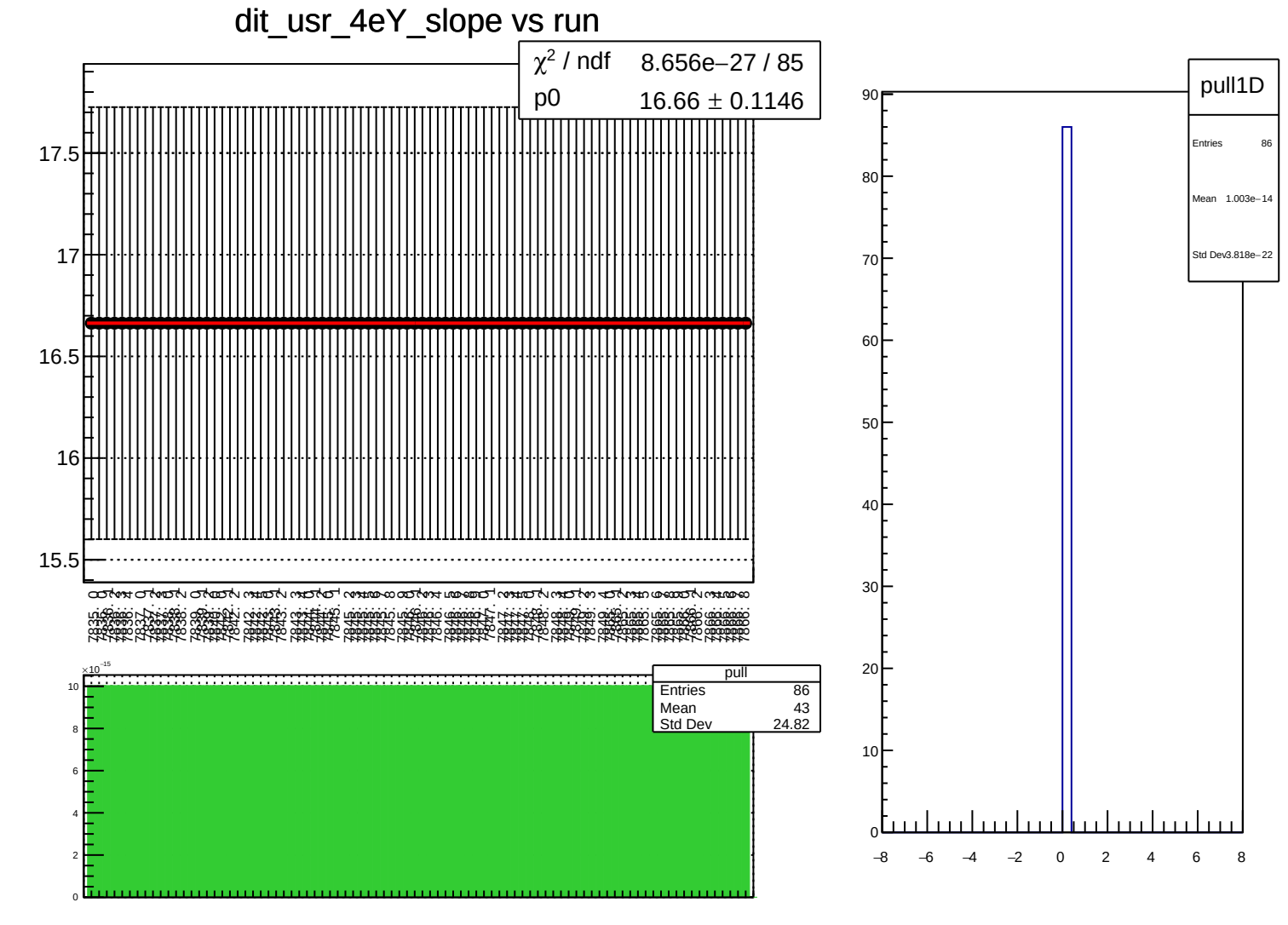

dit_usr_4aX_slope vs run
χ² / ndf 1.689e−24 / 85
p0 −128.7 ± 0.2406
−126
−127
−128
−129
−130
−131
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

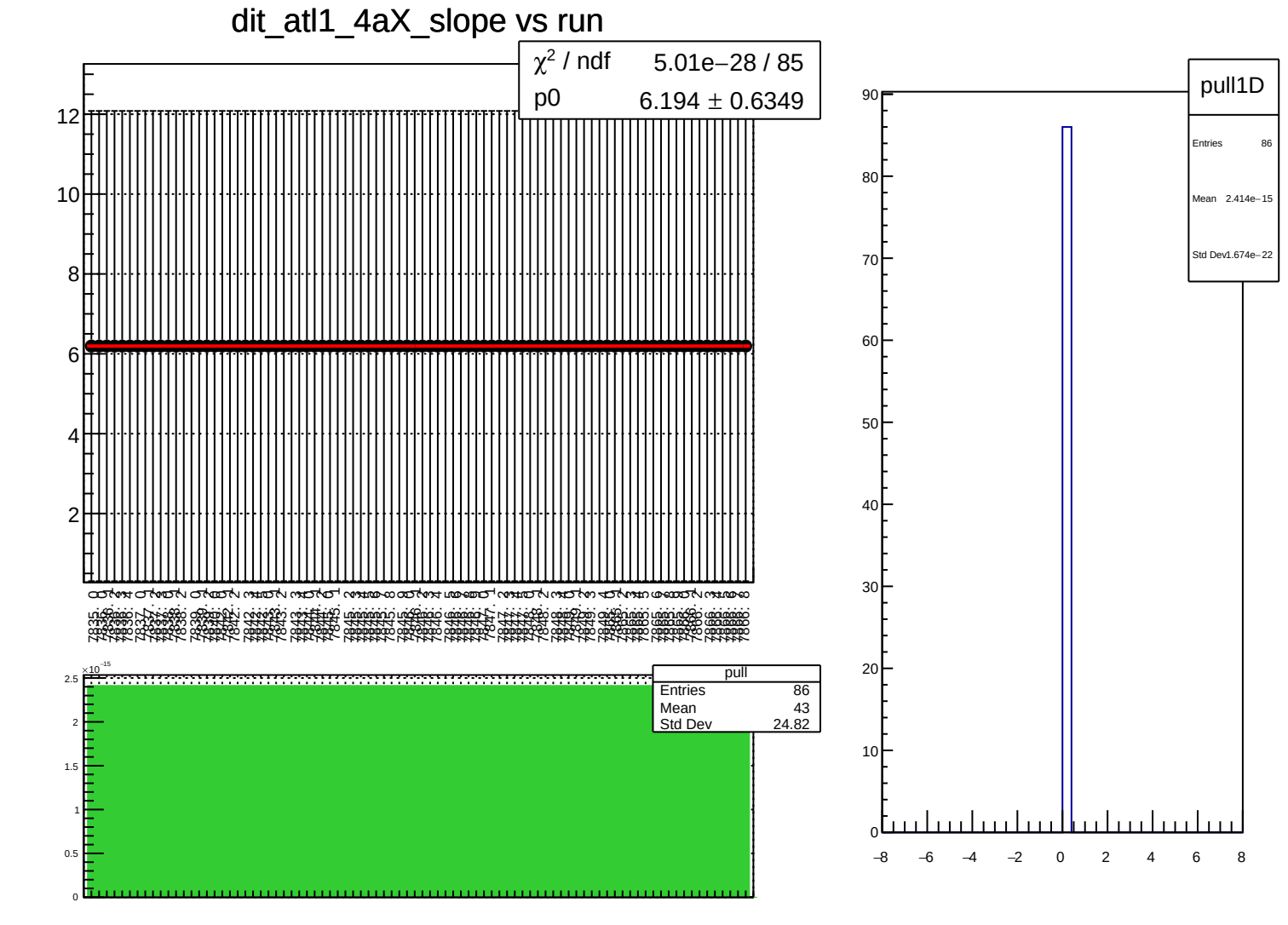

pull1D
Entries 86
Mean −1.401e−13
Std Dev9.432e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

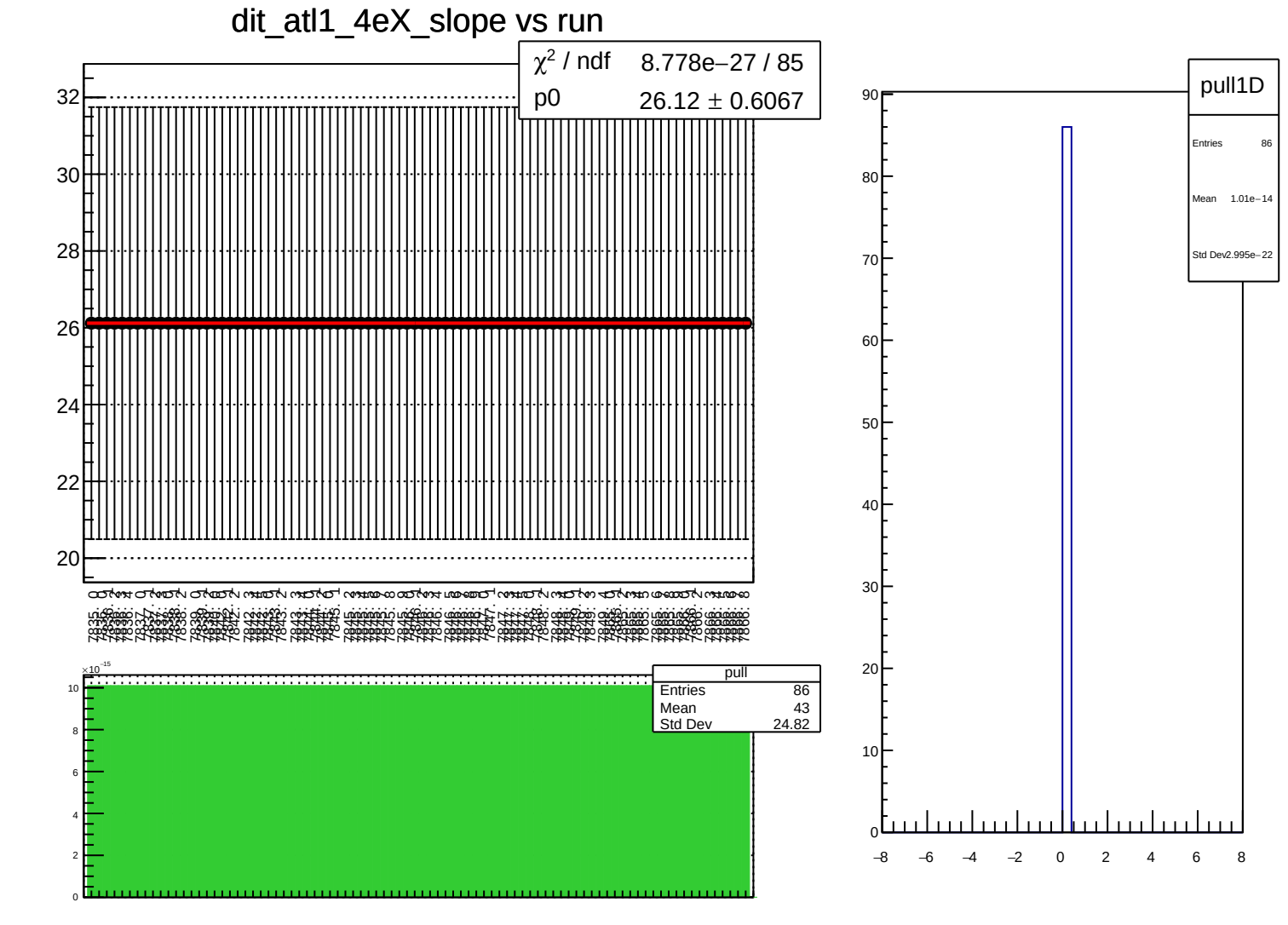

dit_usr_4eX_slope vs run
χ² / ndf 4.039e−24 / 85
p0 181.4 ± 0.1838
183
182.5
182
181.5
181
180.5
180
179.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 86
Mean −2.167e−13
Std Dev8.638e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

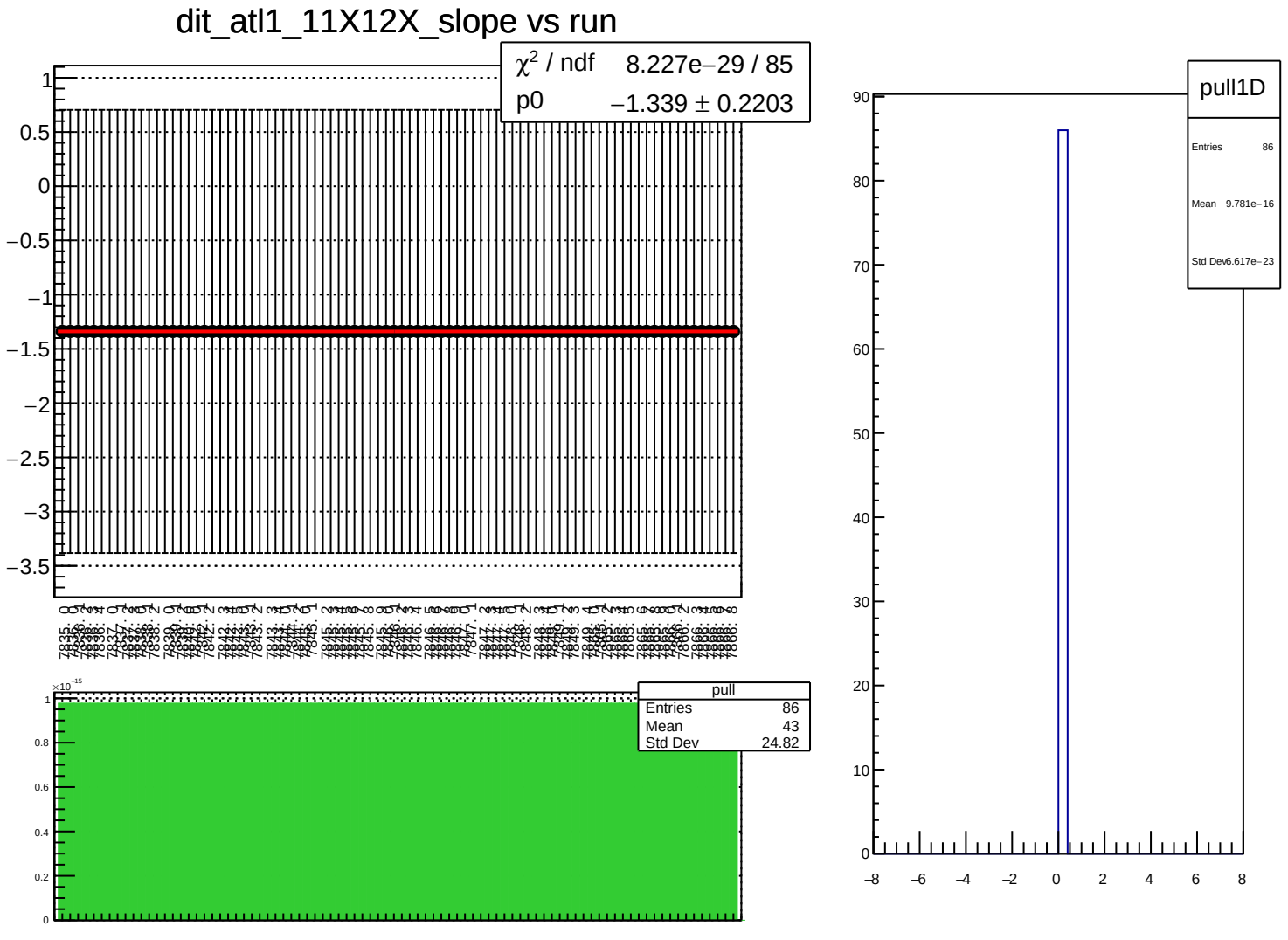

dit_usr_11X12X_slope vs run
χ² / ndf 1.575e−25 / 85
p0 −43.39 ± 0.07162
−42.6
−42.8
−43
−43.2
−43.4
−43.6
−43.8
−44
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
pull1D
Entries 86
Mean 4.279e−14
Std Dev1.797e−21

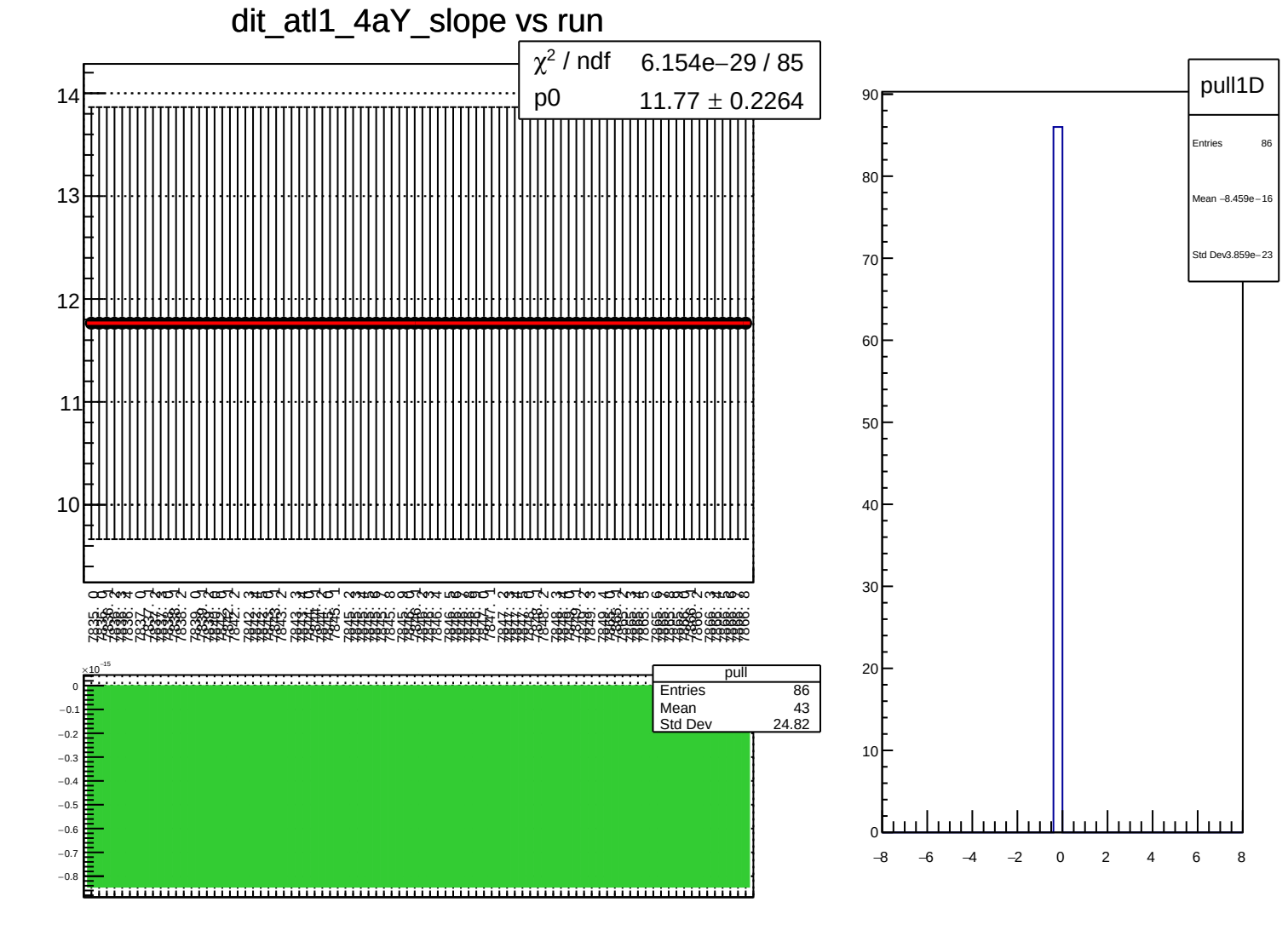

dit_usr_4aY_slope vs run
χ² / ndf 1.445e−29 / 85
p0 0.8973 ± 0.1168
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 4.099e−16
Std Dev1.323e−23

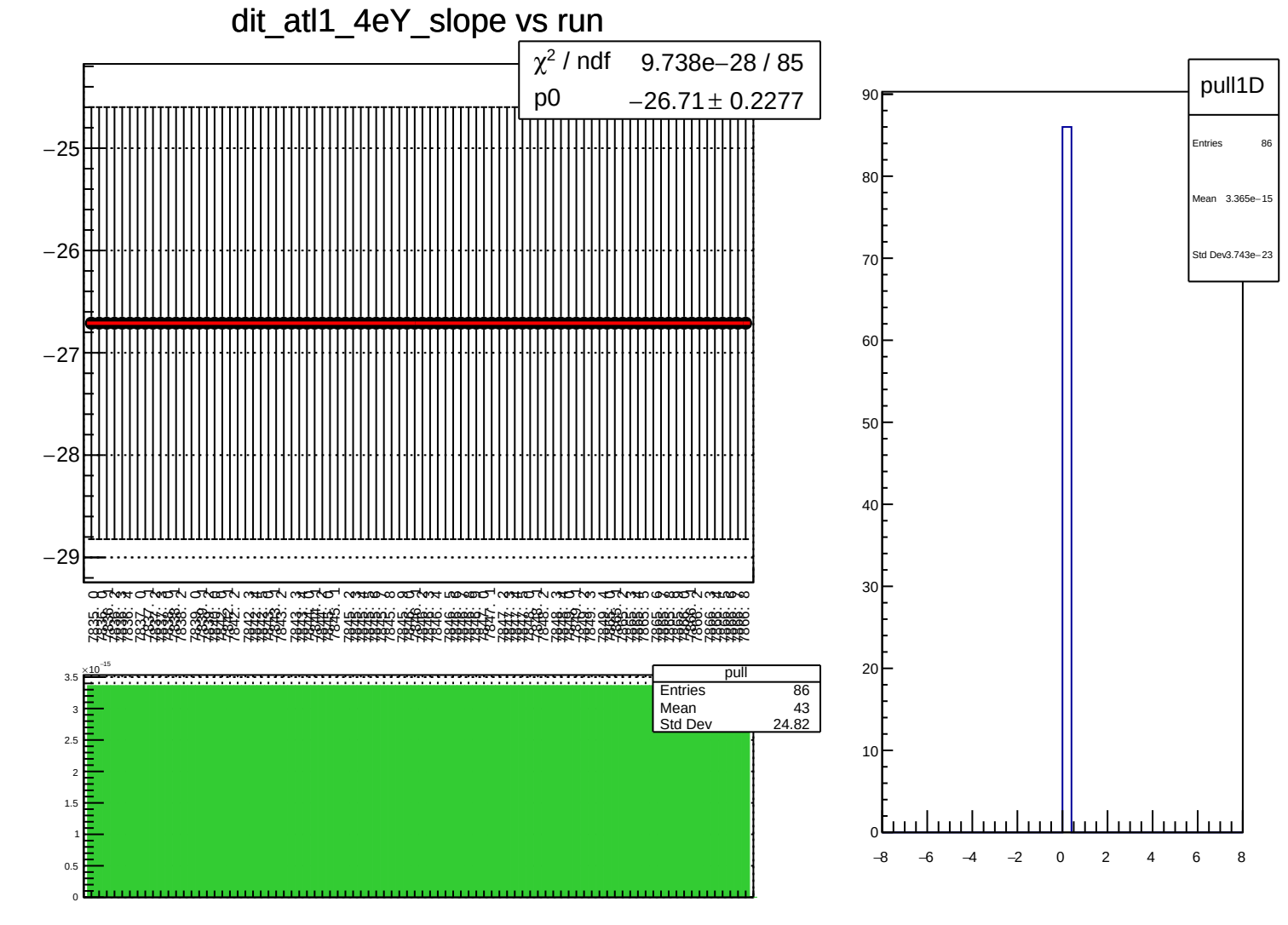

dit_usr_4eY_slope vs run
χ² / ndf 8.656e−27 / 85
p0 16.66 ± 0.1146
17.5
17
16.5
16
15.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
10
8
6
4
2
0
pull1D
Entries 86
Mean 1.003e−14
Std Dev 3.818e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

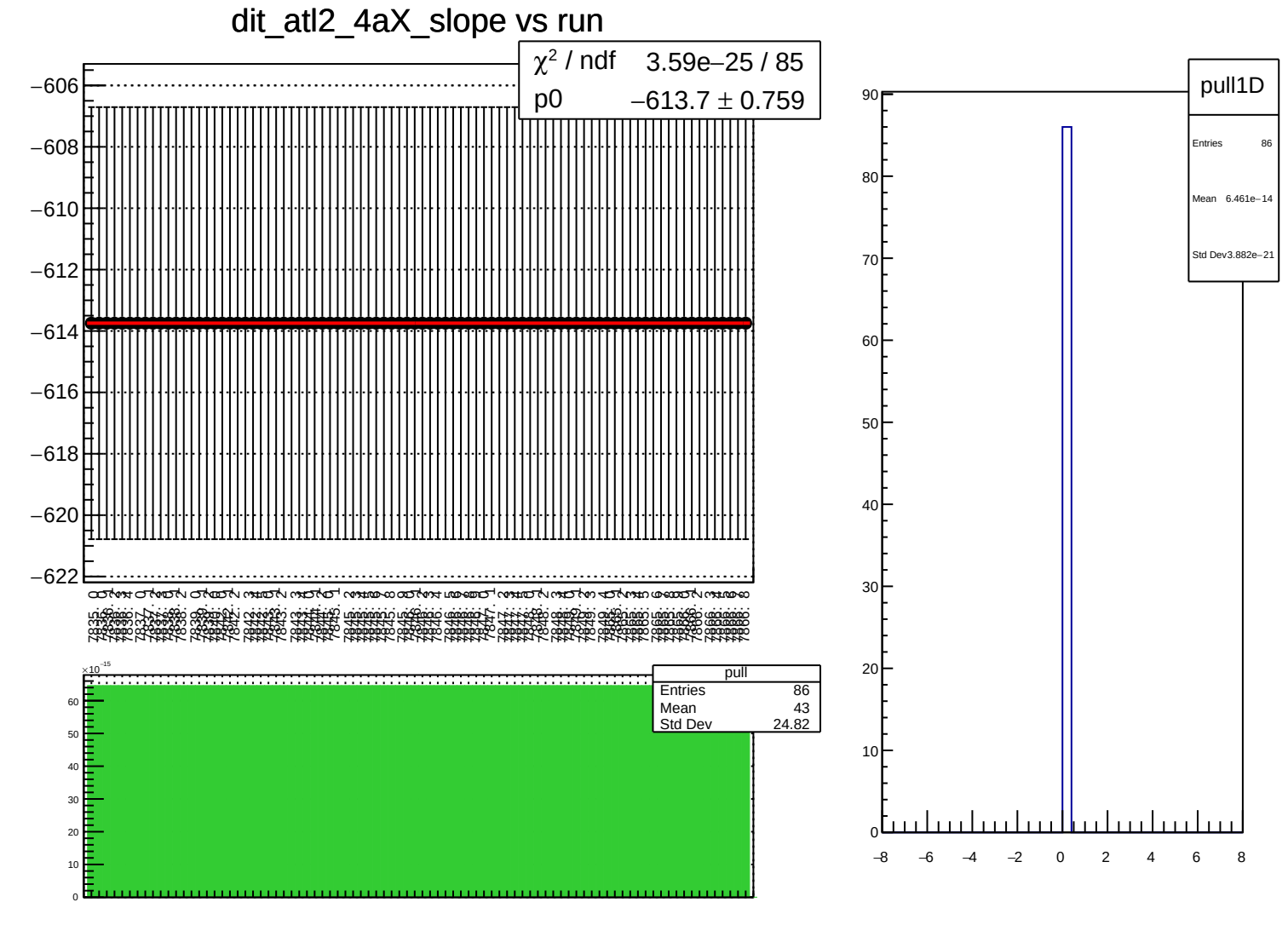

dit_atl1_4aX_slope vs run
χ² / ndf 5.01e−28 / 85
p0 6.194 ± 0.6349
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 2.414e−15
Std Dev1.674e−22

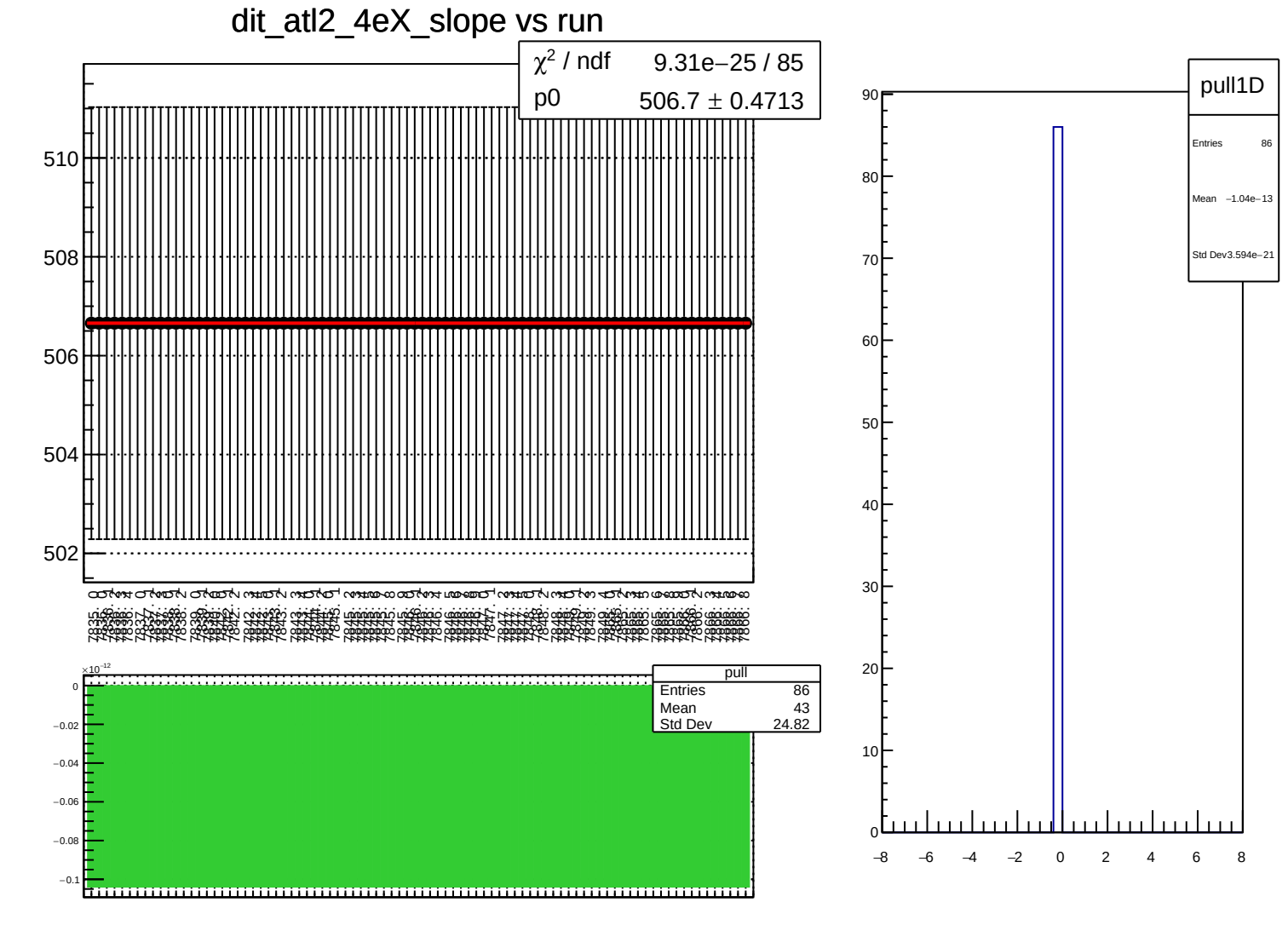

dit_atl1_4eX_slope vs run
χ² / ndf 8.778e−27 / 85
p0 26.12 ± 0.6067
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.01e−14
Std Dev 2.995e−22

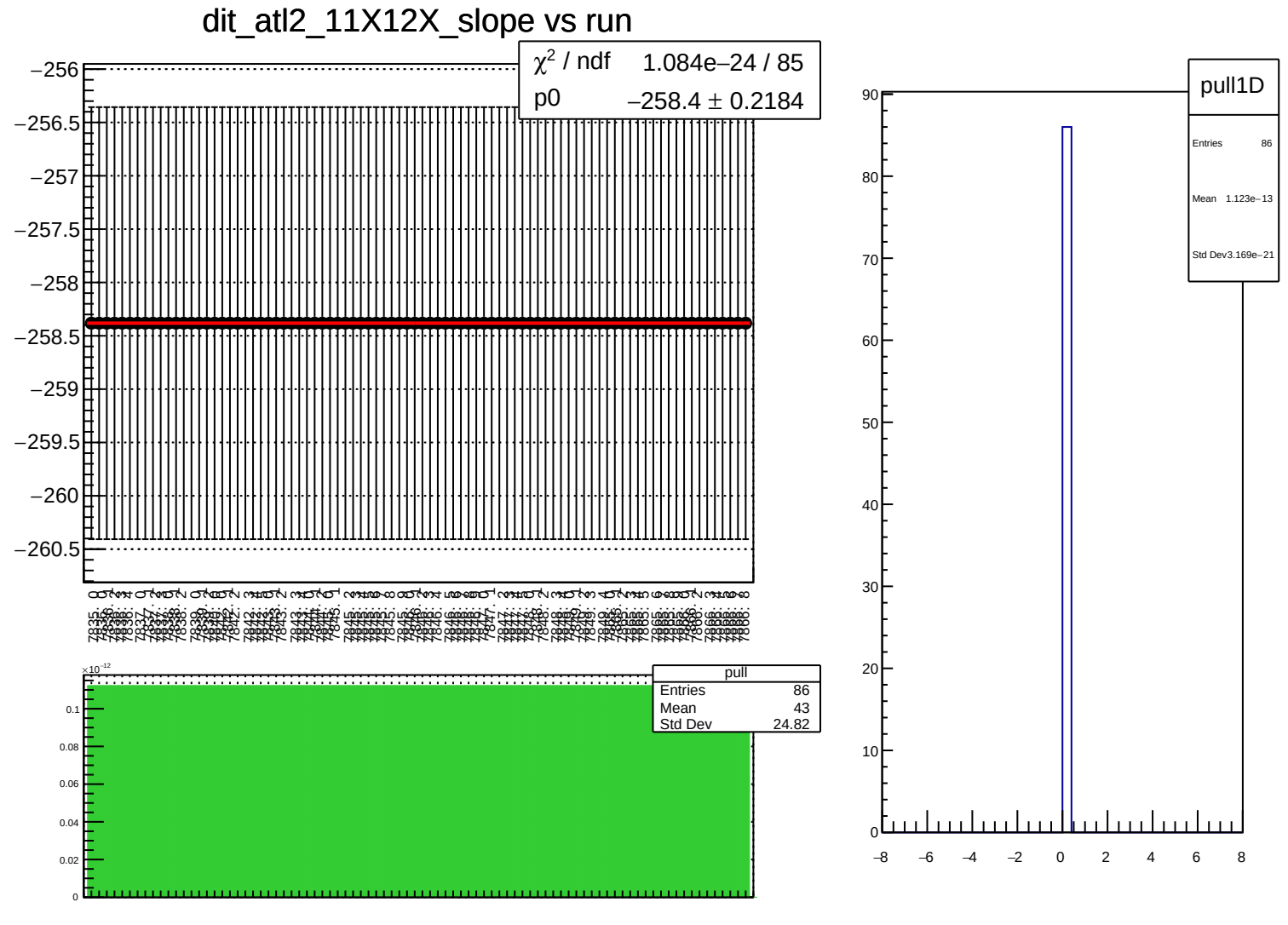

dit_atl1_11X12X_slope vs run
χ² / ndf 8.227e−29 / 85
p0 −1.339 ± 0.2203
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 9.781e−16
Std Dev 6.617e−23

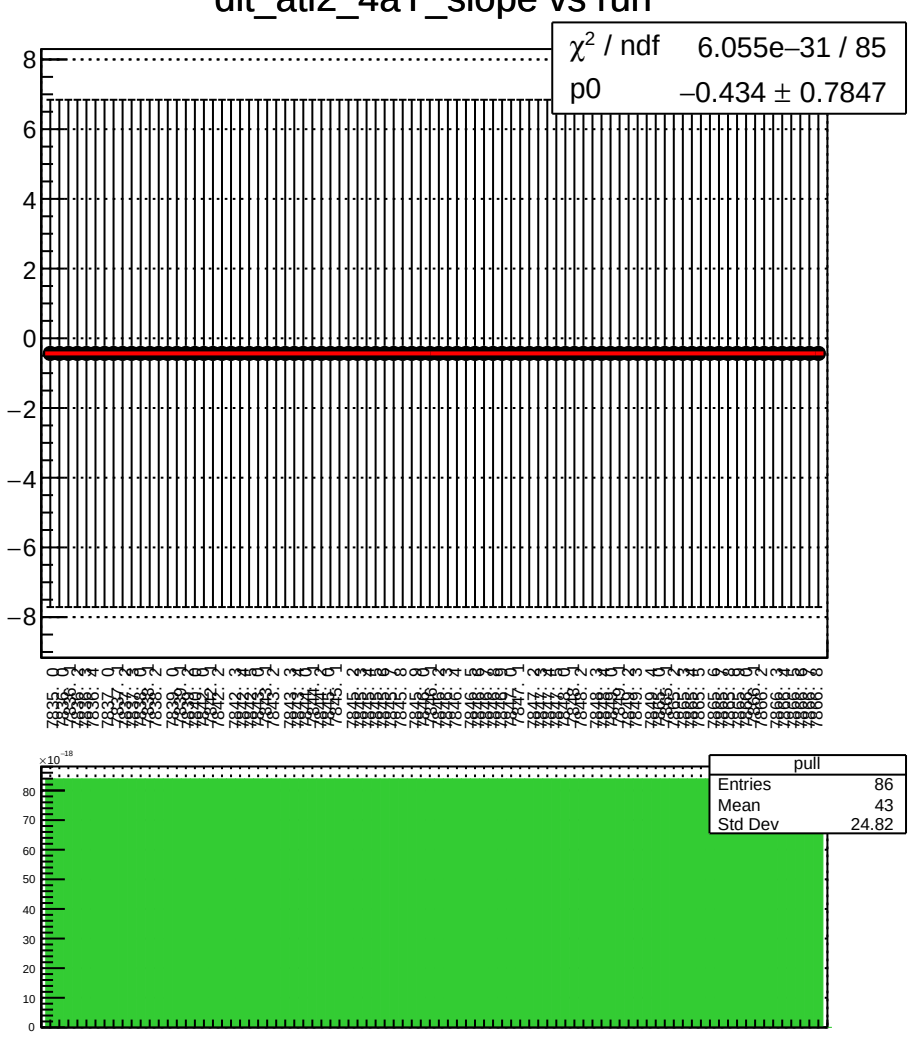

dit_atl1_4aY_slope vs run
χ² / ndf 6.154e−29 / 85
p0 11.77 ± 0.2264
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −8.459e−16
Std Dev3.859e−23

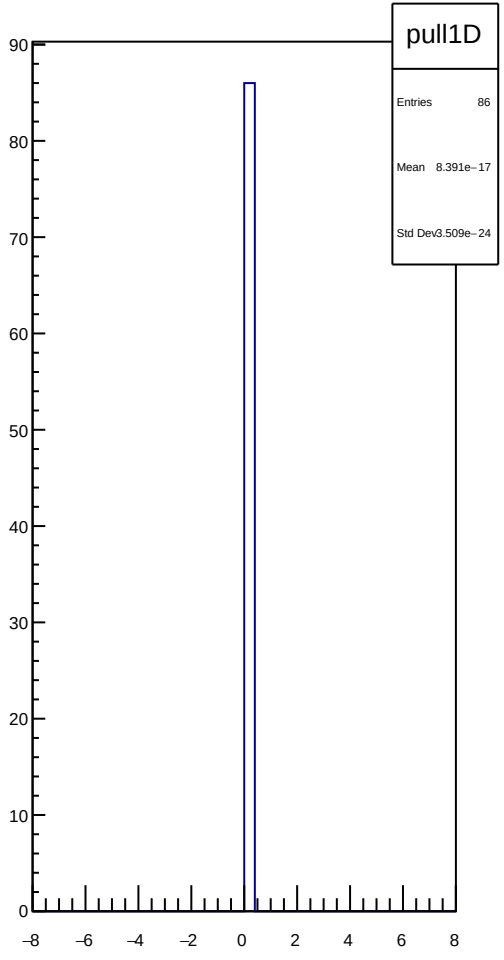

dit_atl1_4eY_slope vs run
χ² / ndf 9.738e−28 / 85
p0 −26.71 ± 0.2277
−25
−26
−27
−28
−29
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
3.5
3
2.5
2
1.5
1
0.5
0
pull1D
Entries 86
Mean 3.365e−15
Std Dev 3.743e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

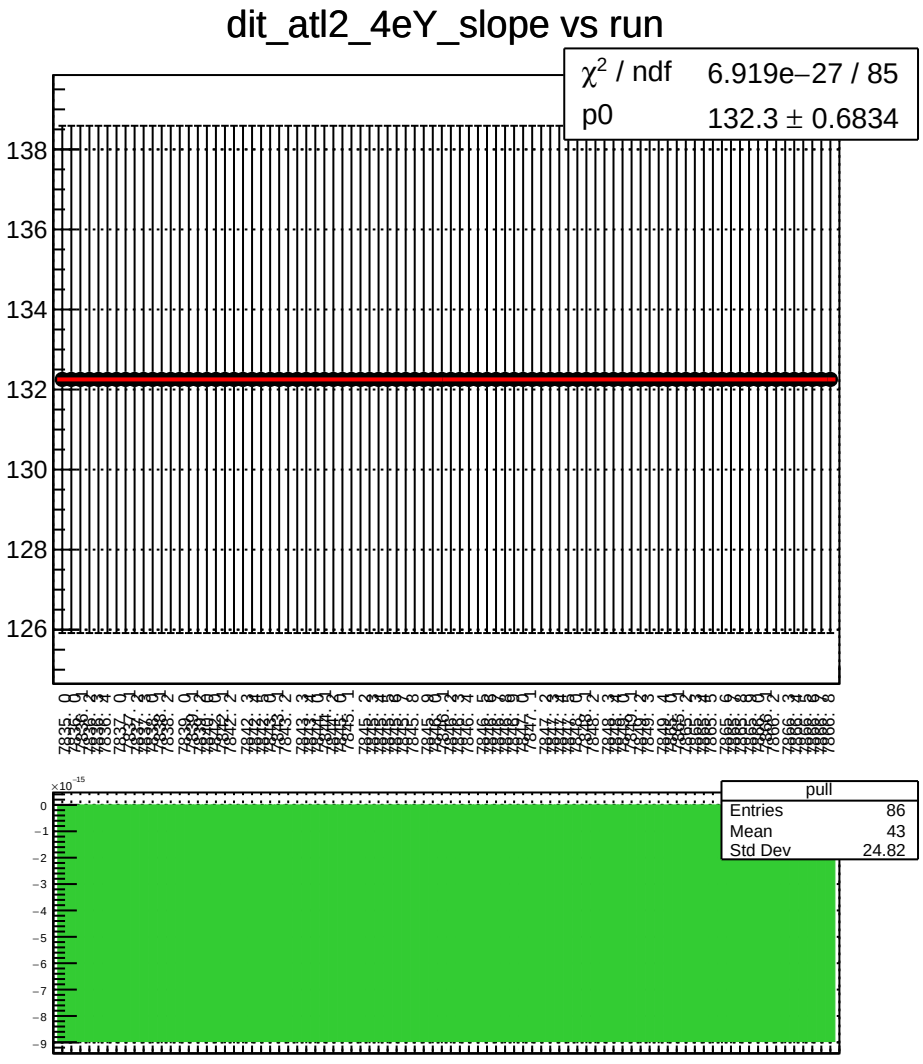

dit_atl2_4aX_slope vs run
χ² / ndf 3.59e−25 / 85
p0 −613.7 ± 0.759
−606
−608
−610
−612
−614
−616
−618
−620
−622
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 86
Mean 6.461e−14
Std Dev3.882e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

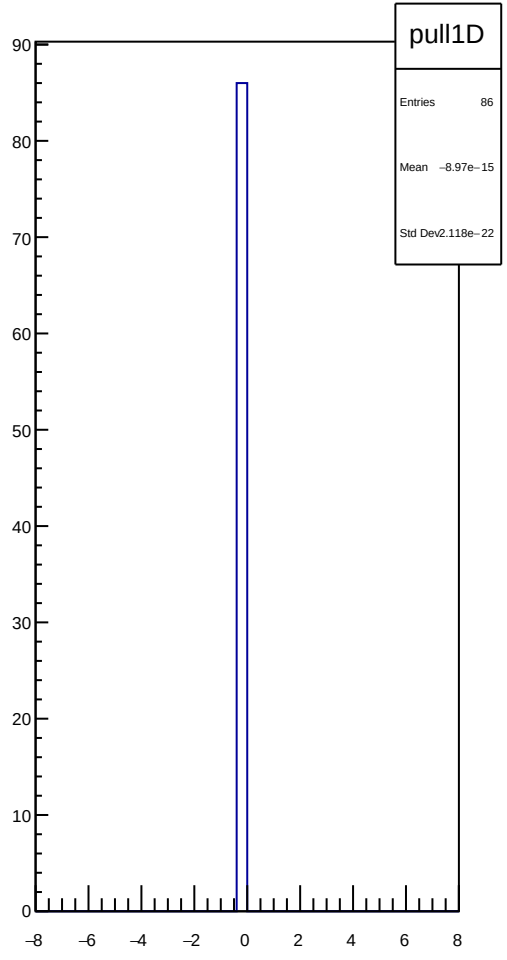

dit_atl2_4eX_slope vs run
χ² / ndf 9.31e−25 / 85
p0 506.7 ± 0.4713
510
508
506
504
502
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 86
Mean −1.04e−13
Std Dev3.594e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

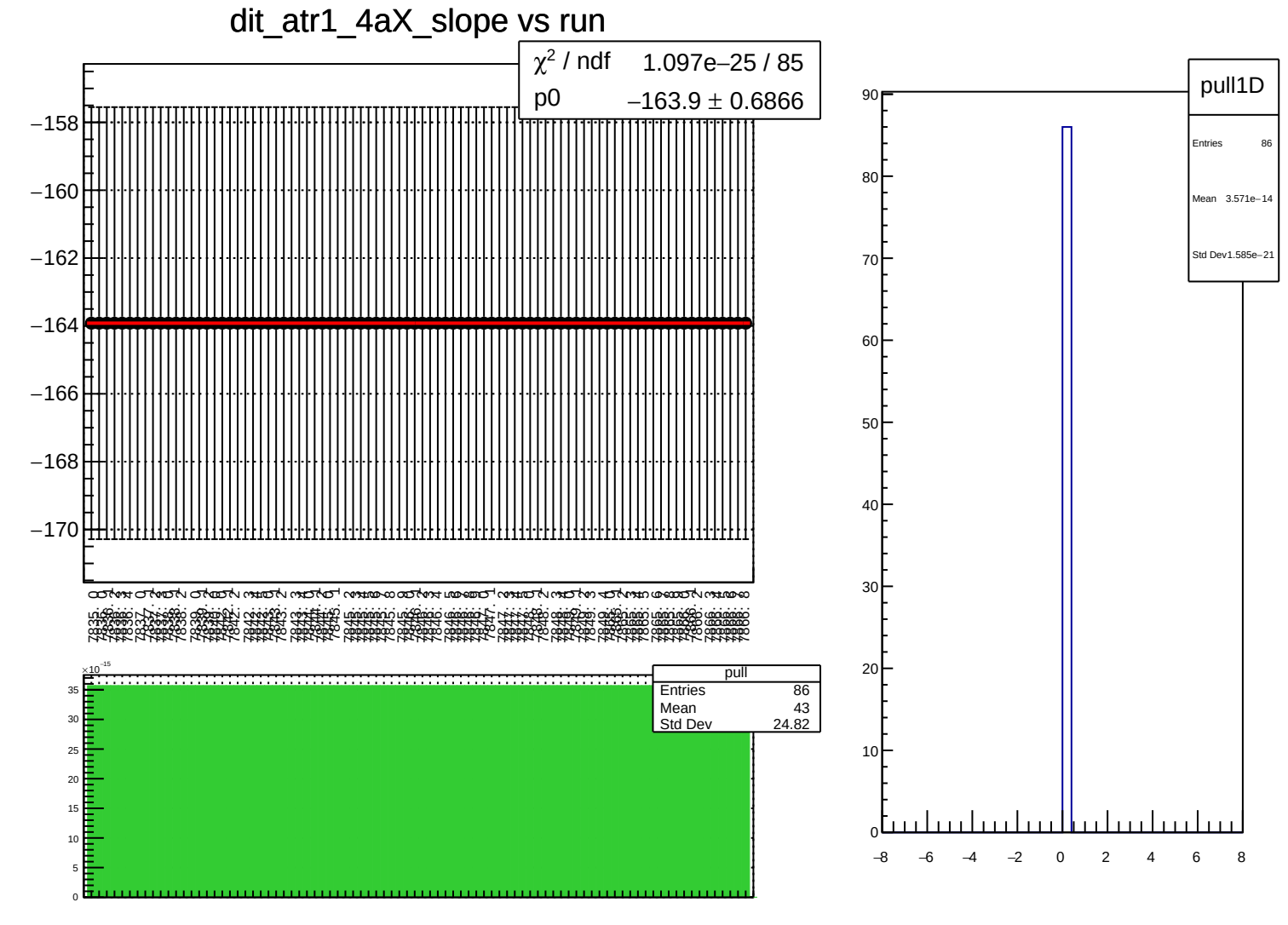

dit_atl2_11X12X_slope vs run
χ² / ndf 1.084e−24 / 85
p0 −258.4 ± 0.2184
−256
−256.5
−257
−257.5
−258
−258.5
−259
−259.5
−260
−260.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 1.123e−13
Std Dev3.169e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

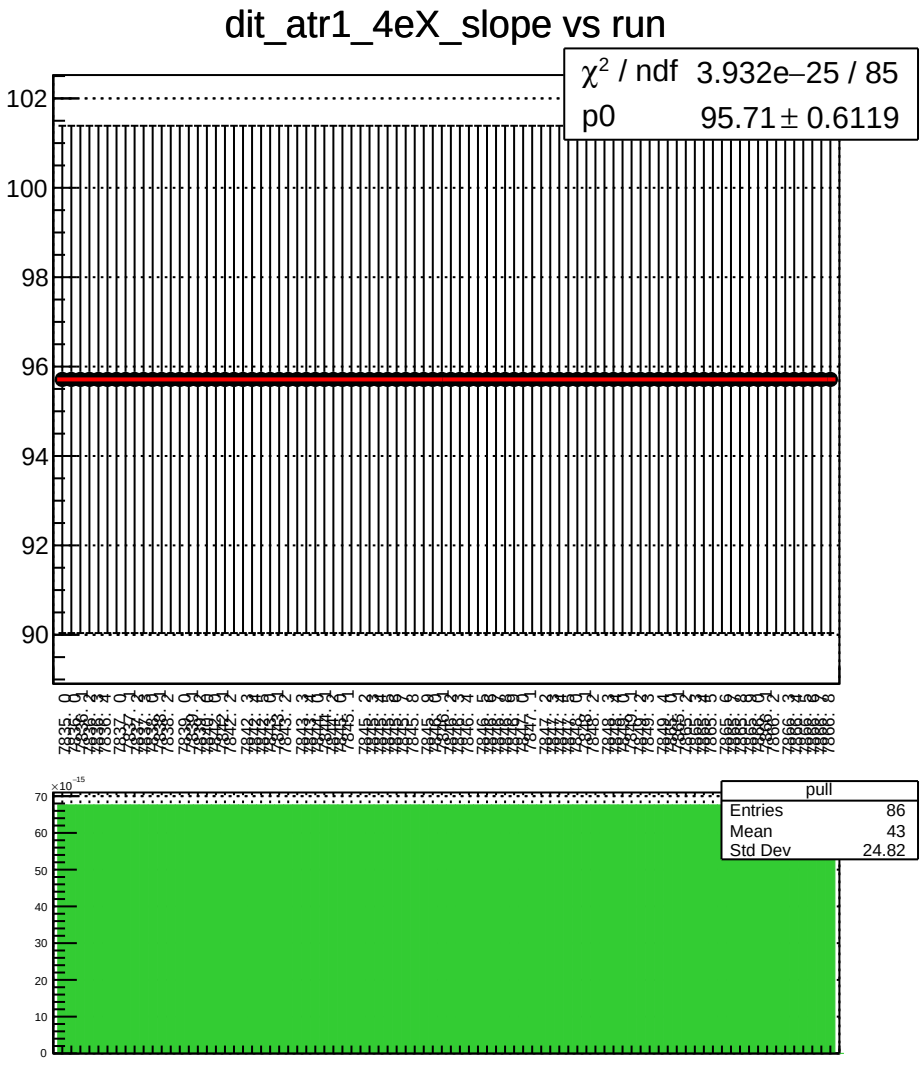

dit_atl2_4aY_slope vs run
χ² / ndf 6.055e−31 / 85
p0 −0.434 ± 0.7847
pull
Entries 86
Mean 43
Std Dev 24.82

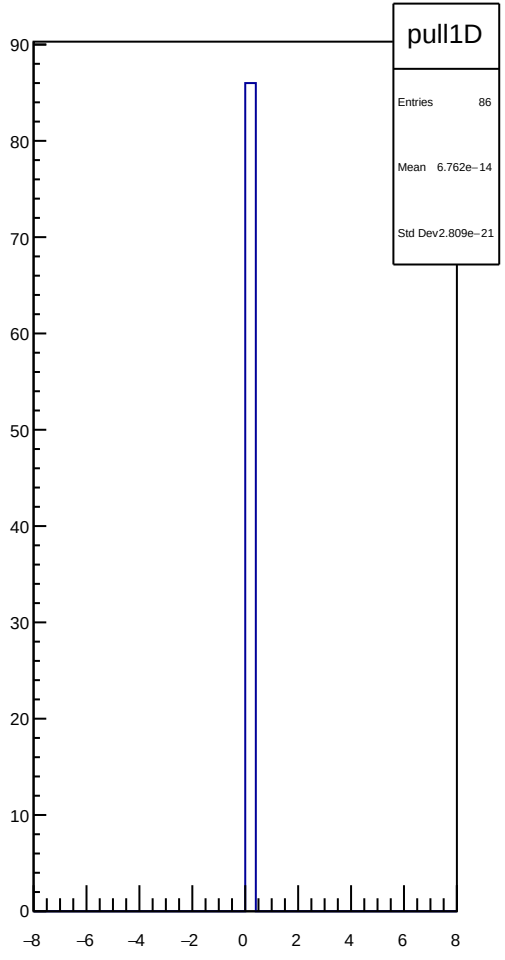

pull1D
Entries 86
Mean 8.391e−17
Std Dev 3.509e−24

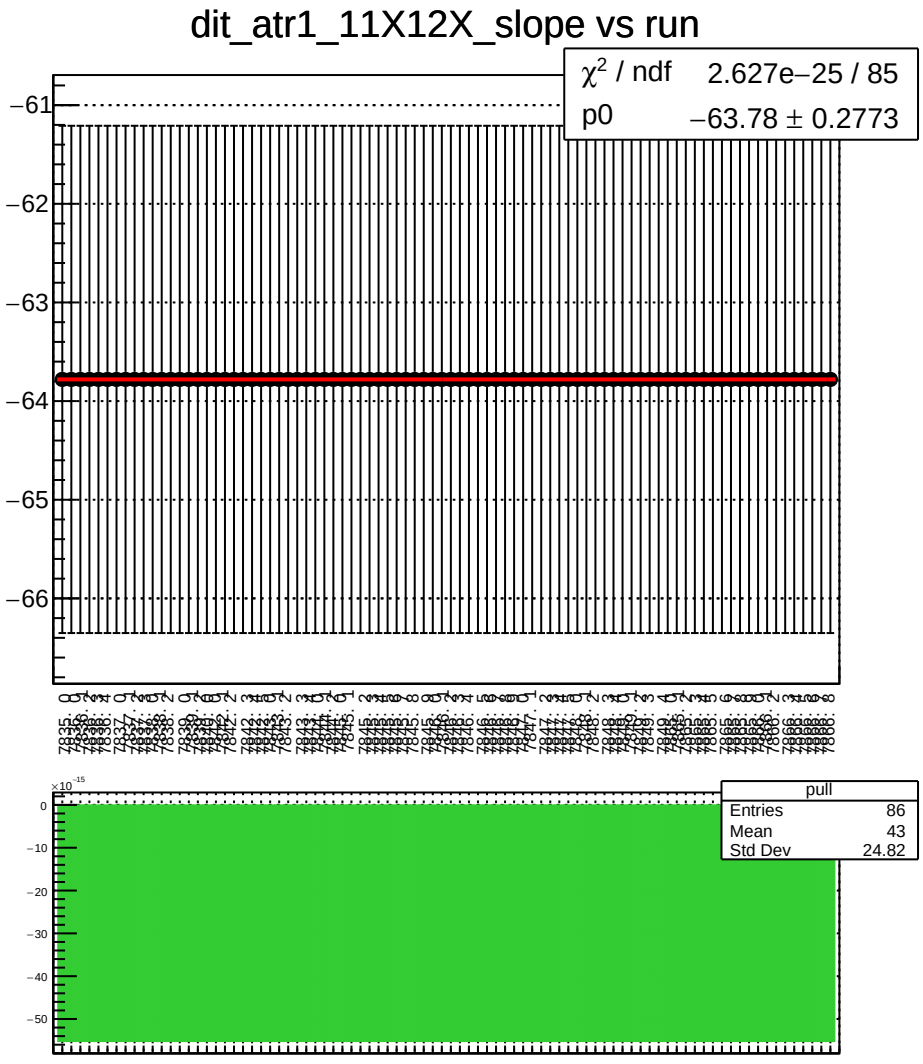

dit_atl2_4eY_slope vs run
χ² / ndf 6.919e−27 / 85
p0 132.3 ± 0.6834
138
136
134
132
130
128
126
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8
−9

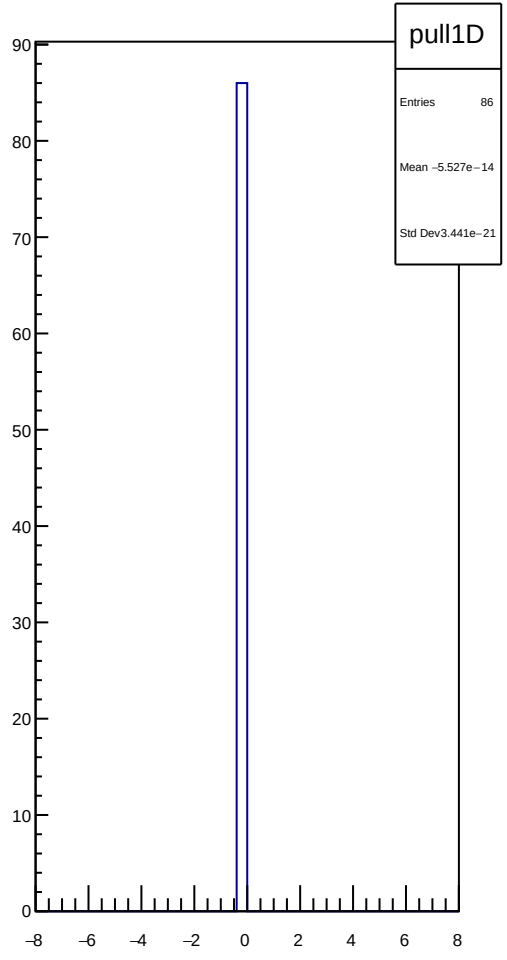

pull1D
Entries 86
Mean −8.97e−15
Std Dev 2.118e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

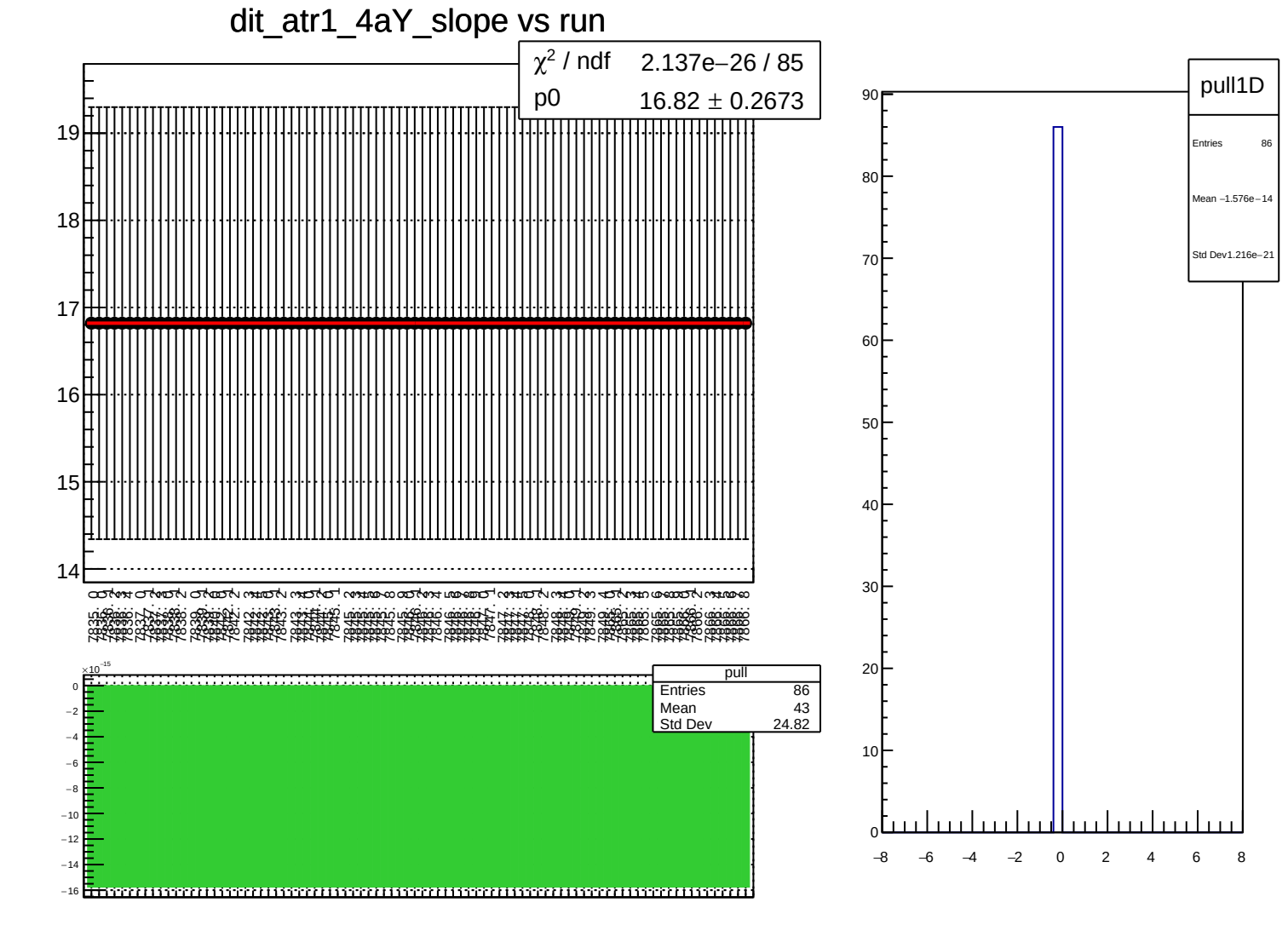

dit_atr1_4aX_slope vs run
χ² / ndf 1.097e−25 / 85
p0 −163.9 ± 0.6866
−158
−160
−162
−164
−166
−168
−170
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 86
Mean 3.571e−14
Std Dev1.585e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

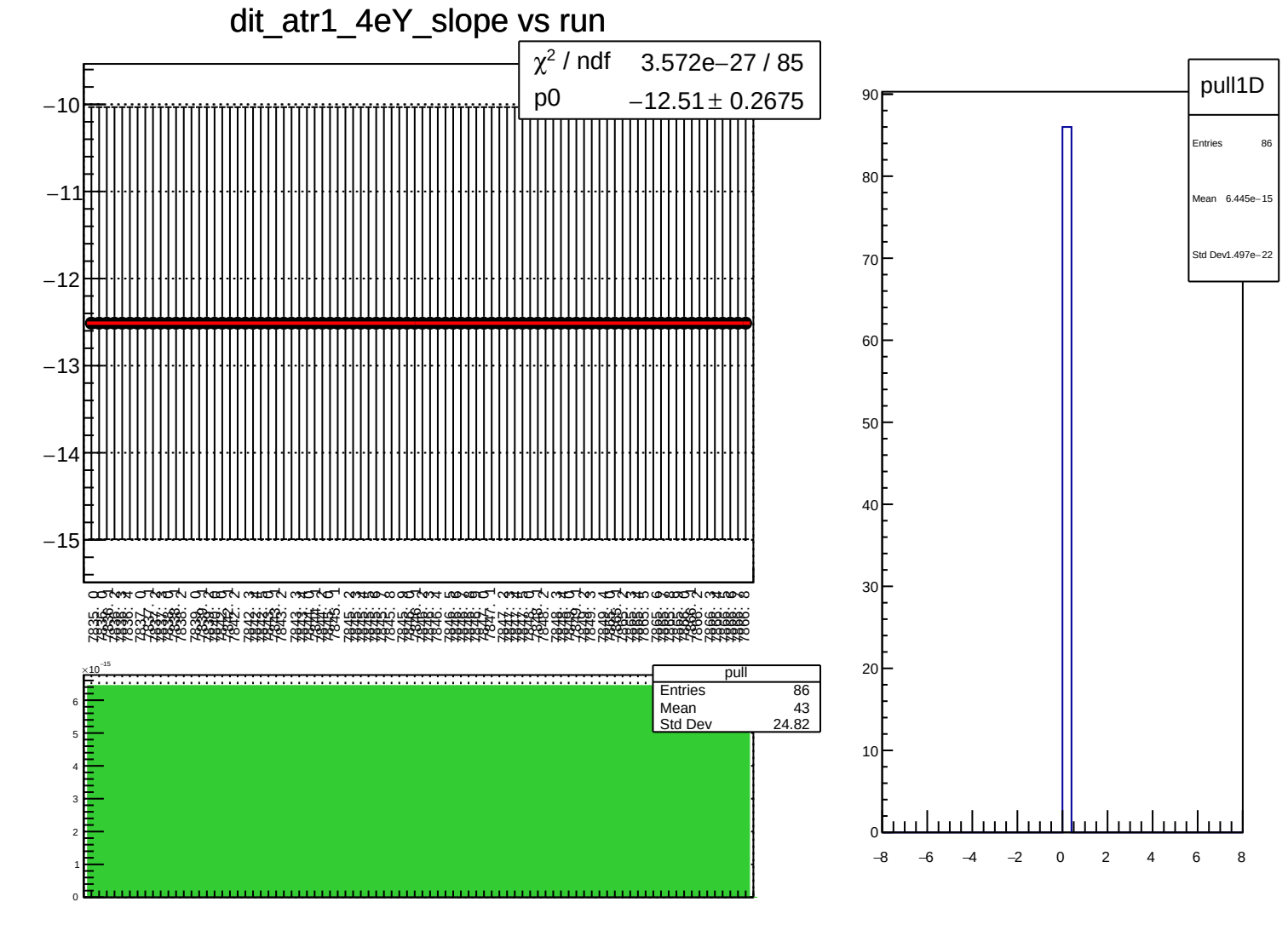

dit_atr1_4eX_slope vs run
χ² / ndf 3.932e−25 / 85
p0 95.71 ± 0.6119
102
100
98
96
94
92
90
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
70
60
50
40
30
20
10
0

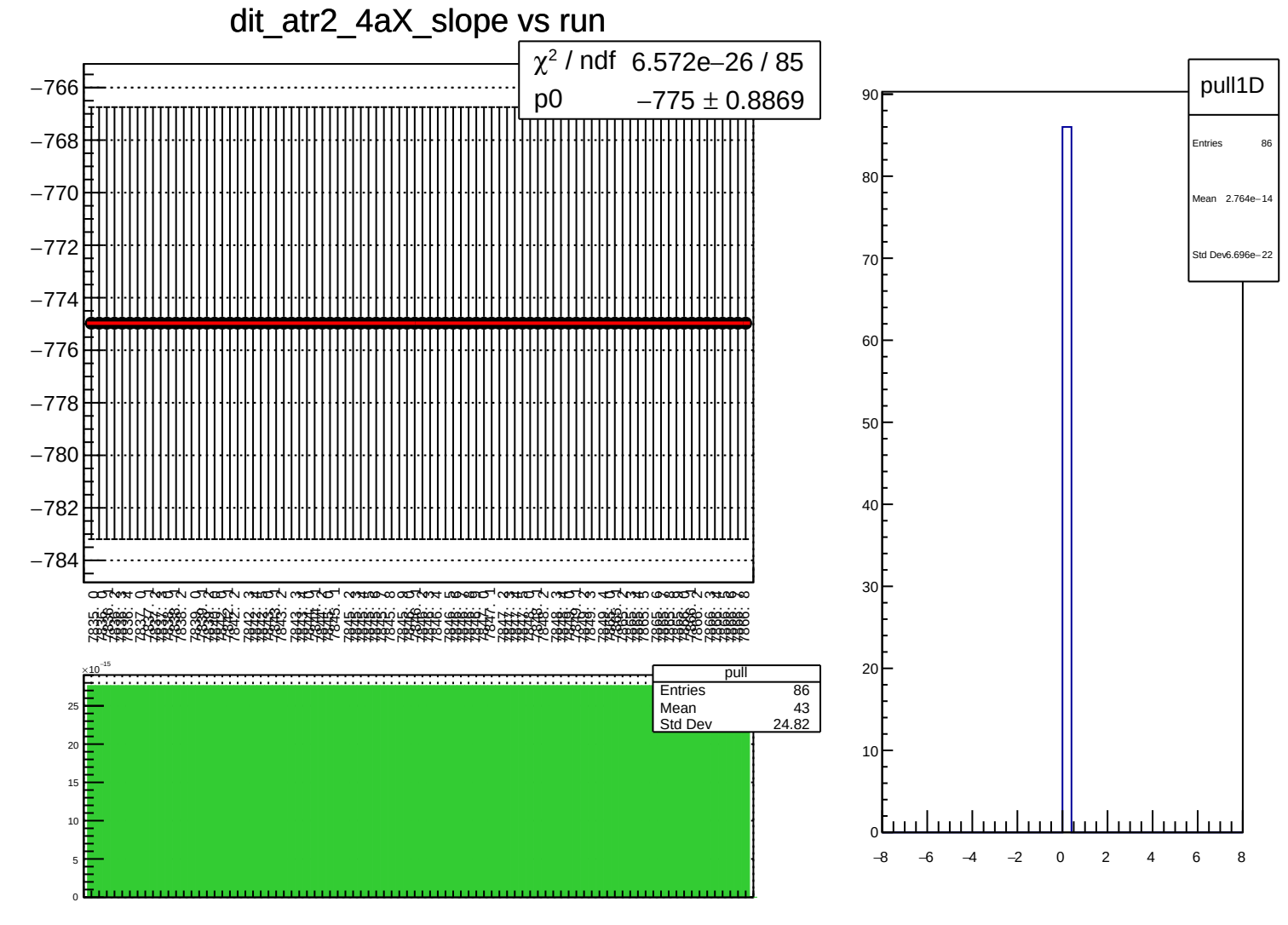

pull1D
Entries 86
Mean 6.762e−14
Std Dev2.809e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

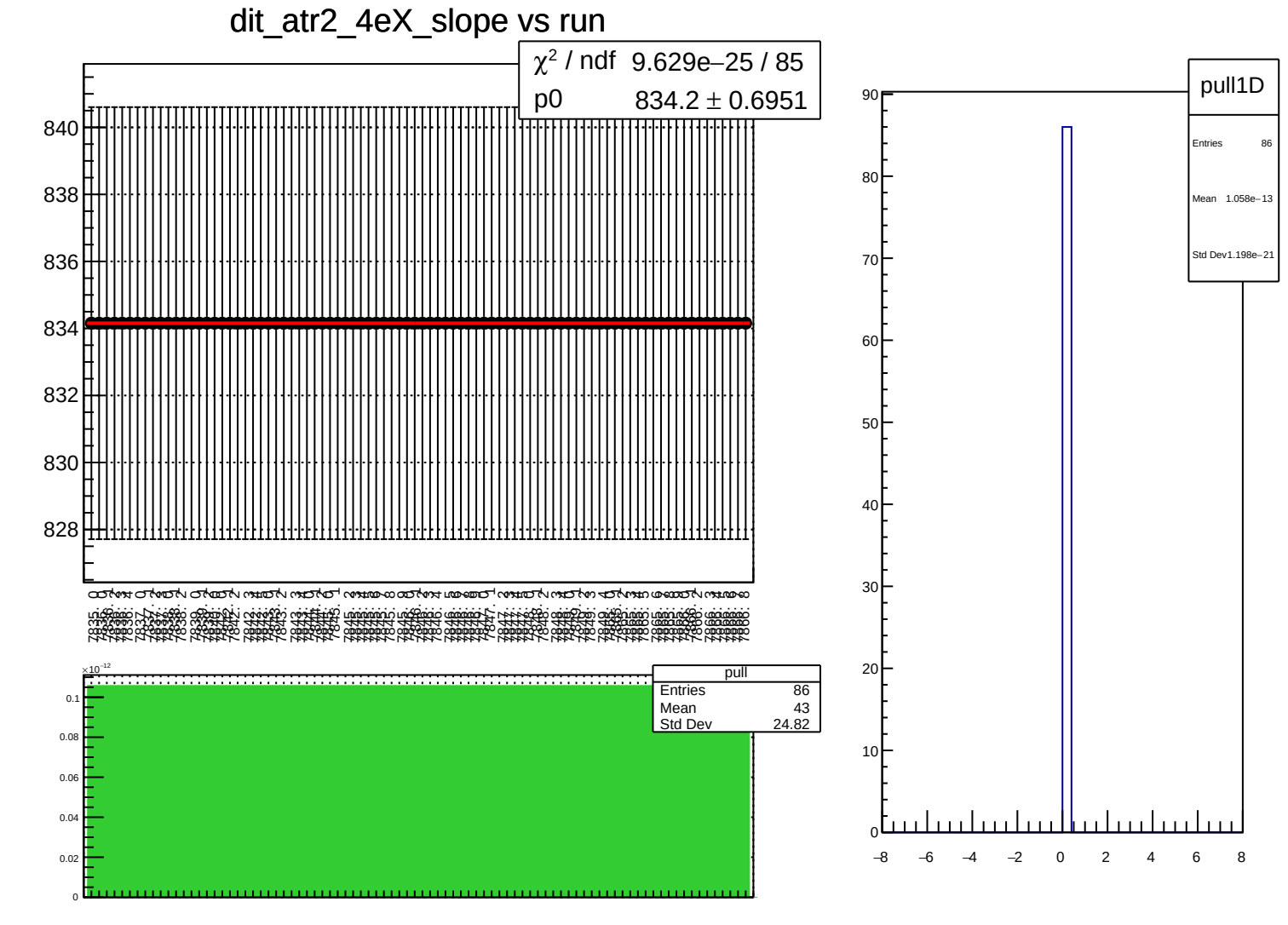

dit_atr1_11X12X_slope vs run
χ^2 / ndf 2.627e−25 / 85
p0 −63.78 ± 0.2773
−61
−62
−63
−64
−65
−66
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50

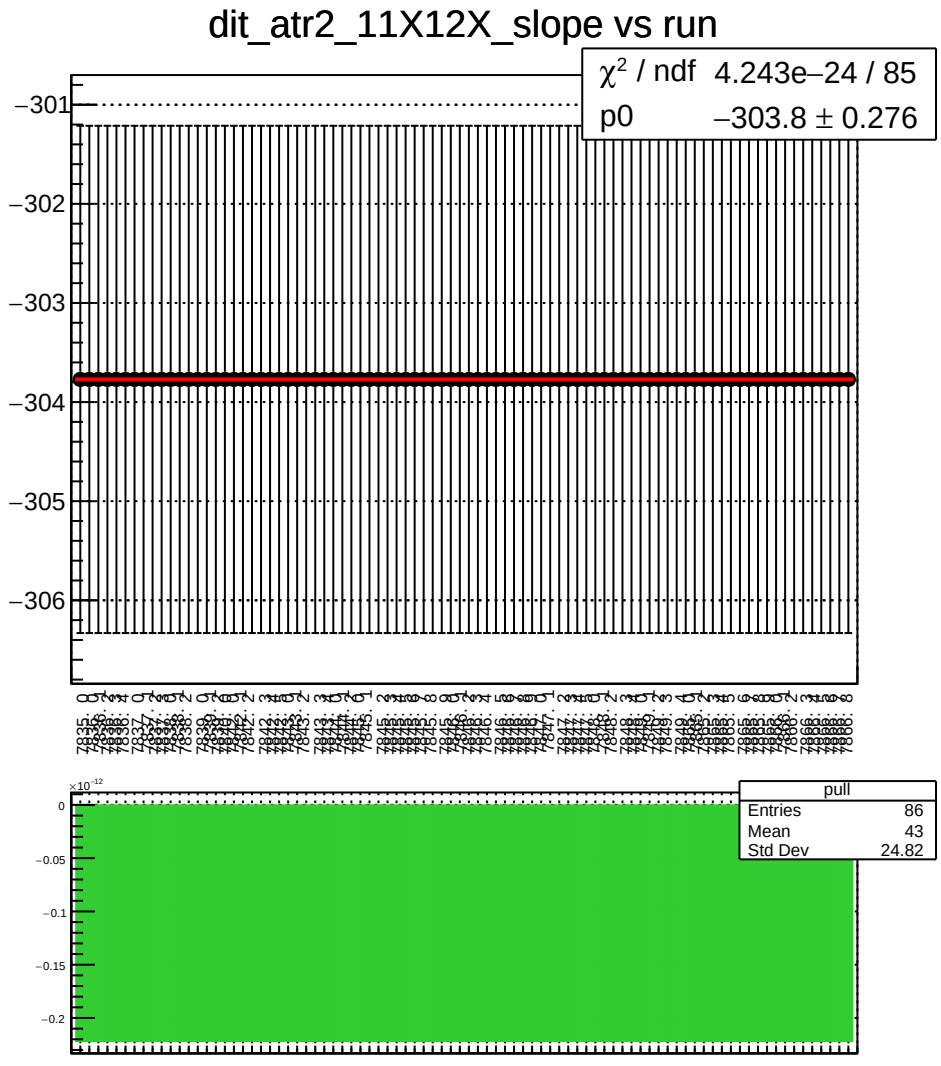

pull1D
Entries 86
Mean −5.527e−14
Std Dev3.441e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

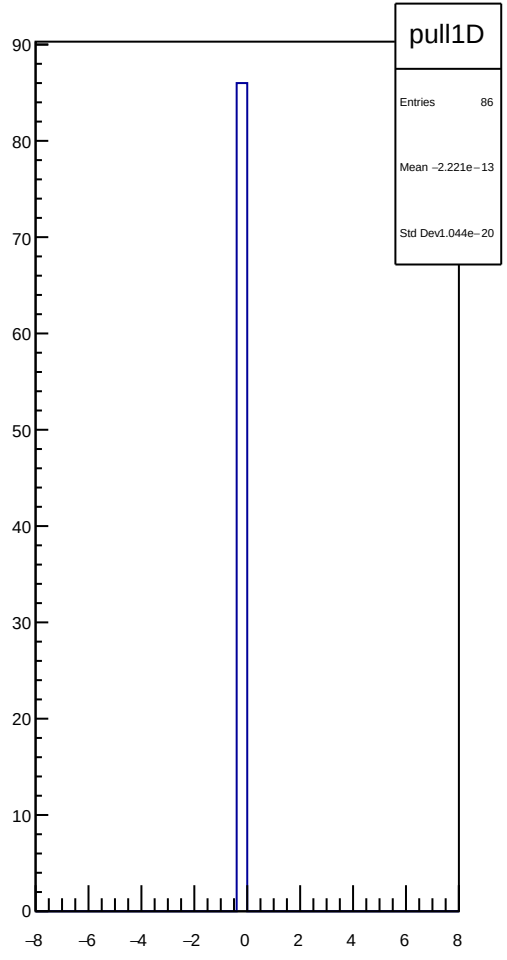

dit_atr1_4aY_slope vs run
χ² / ndf 2.137e−26 / 85
p0 16.82 ± 0.2673
19
18
17
16
15
14
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 86
Mean −1.576e−14
Std Dev1.216e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

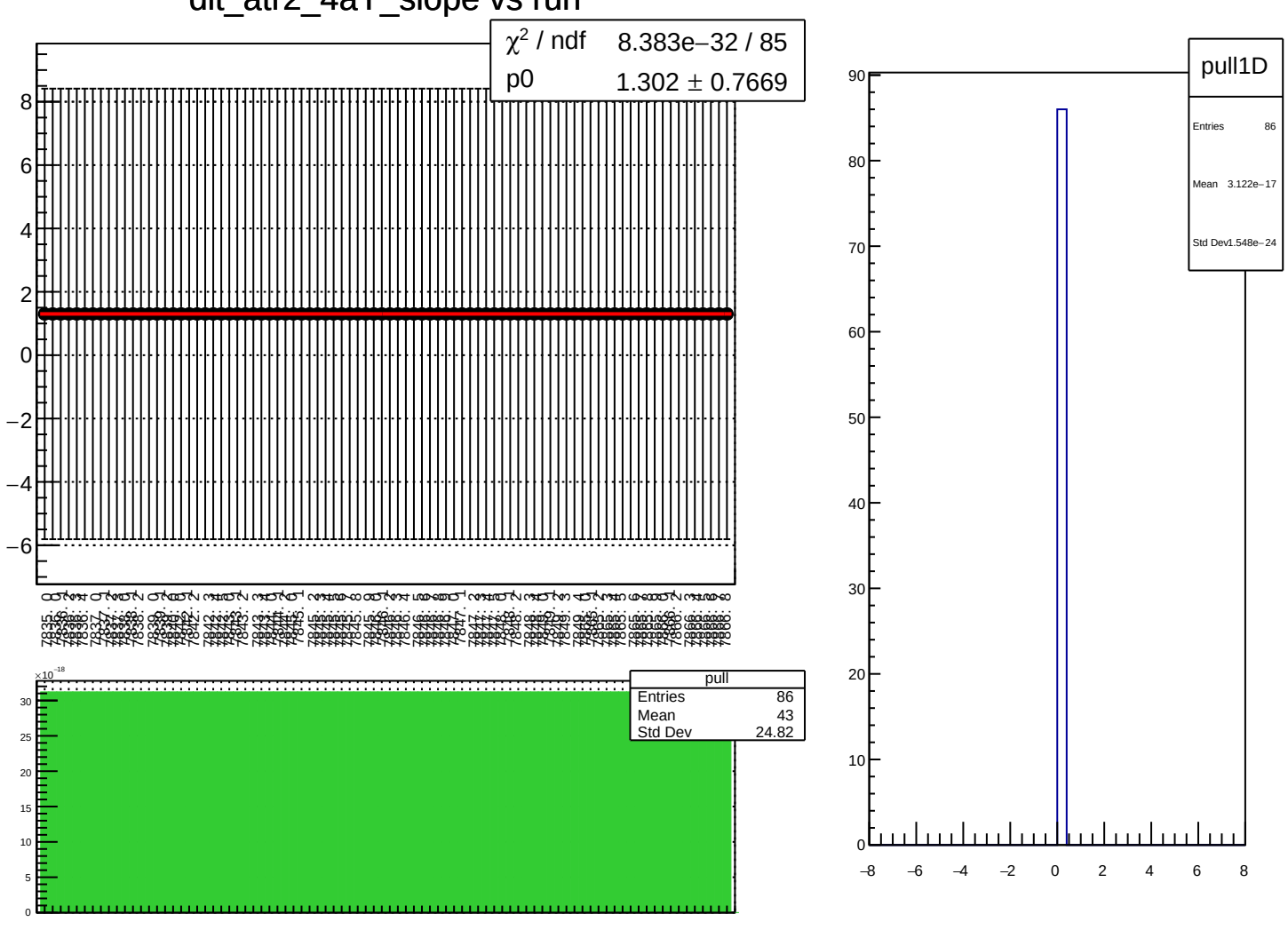

dit_atr1_4eY_slope vs run
χ² / ndf 3.572e−27 / 85
p0 −12.51 ± 0.2675
−10
−11
−12
−13
−14
−15
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
pull1D
Entries 86
Mean 6.445e−15
Std Dev1.497e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

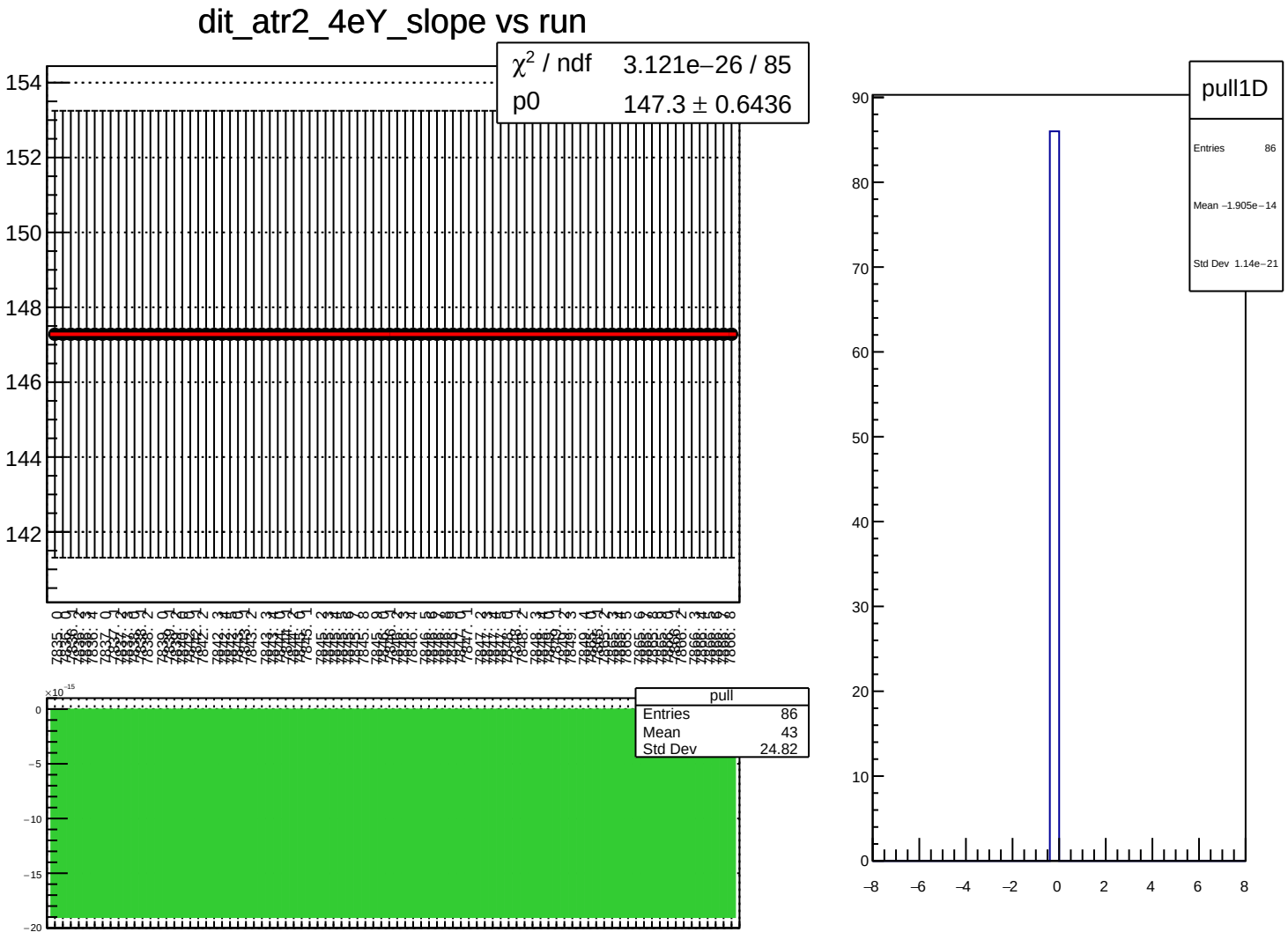

dit_atr2_4aX_slope vs run
χ² / ndf 6.572e−26 / 85
p0 −775 ± 0.8869
−766
−768
−770
−772
−774
−776
−778
−780
−782
−784
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 86
Mean 2.764e−14
Std Dev 6.696e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

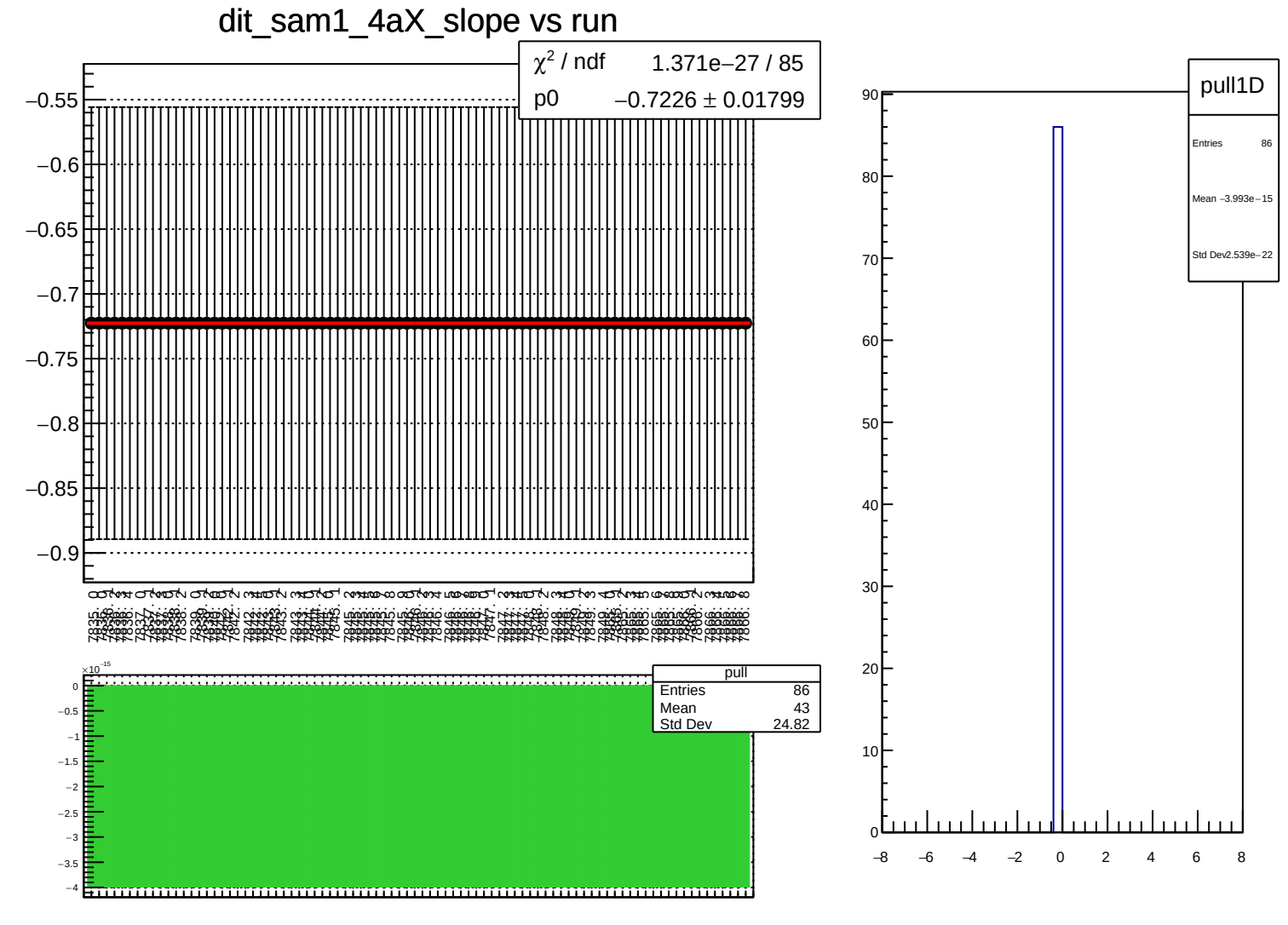

dit_atr2_4eX_slope vs run
χ² / ndf 9.629e−25 / 85
p0 834.2 ± 0.6951
840
838
836
834
832
830
828
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.058e−13
Std Dev1.198e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

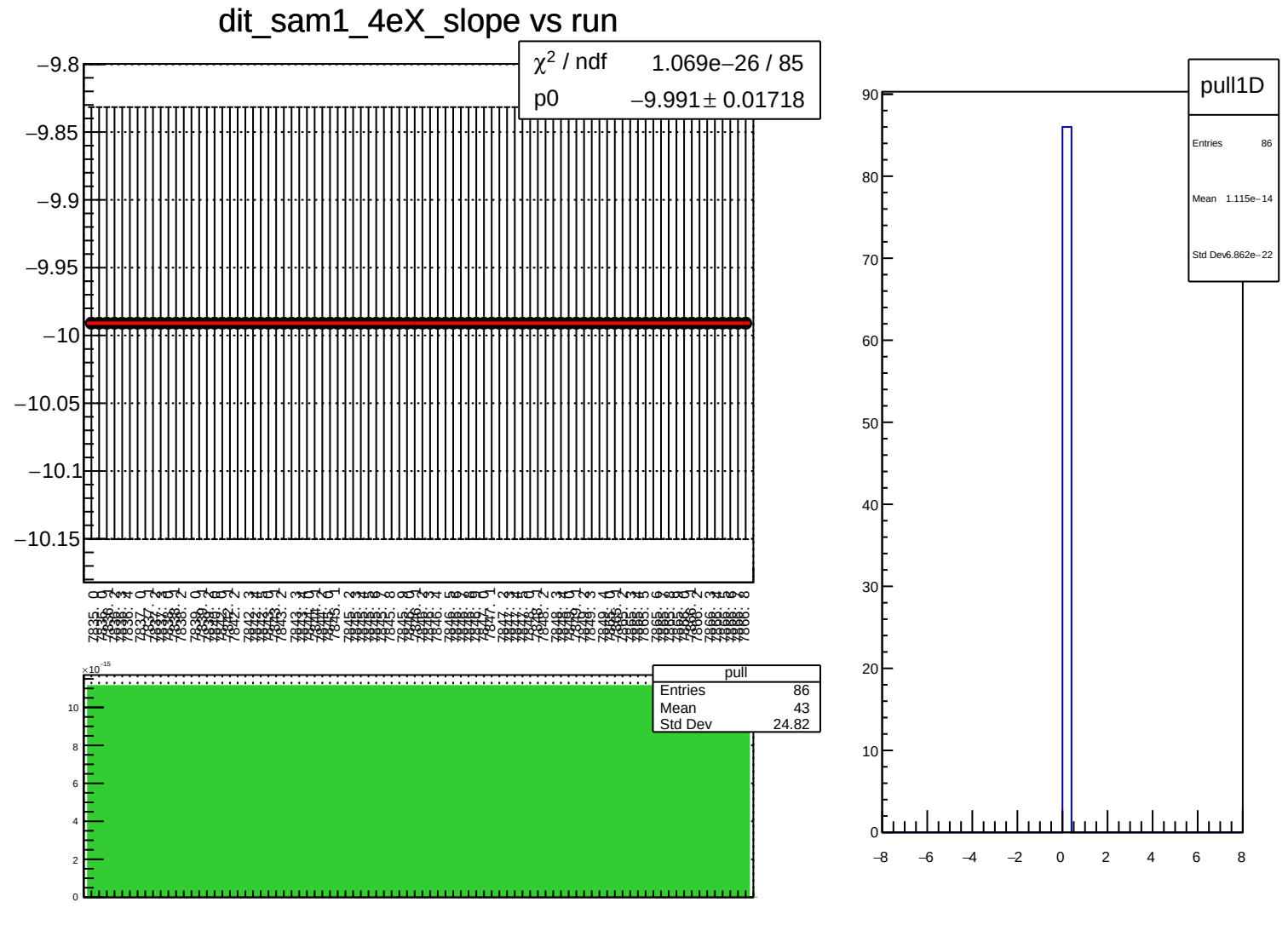

dit_atr2_11X12X_slope vs run
χ² / ndf 4.243e−24 / 85
p0 −303.8 ± 0.276
−301
−302
−303
−304
−305
−306
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

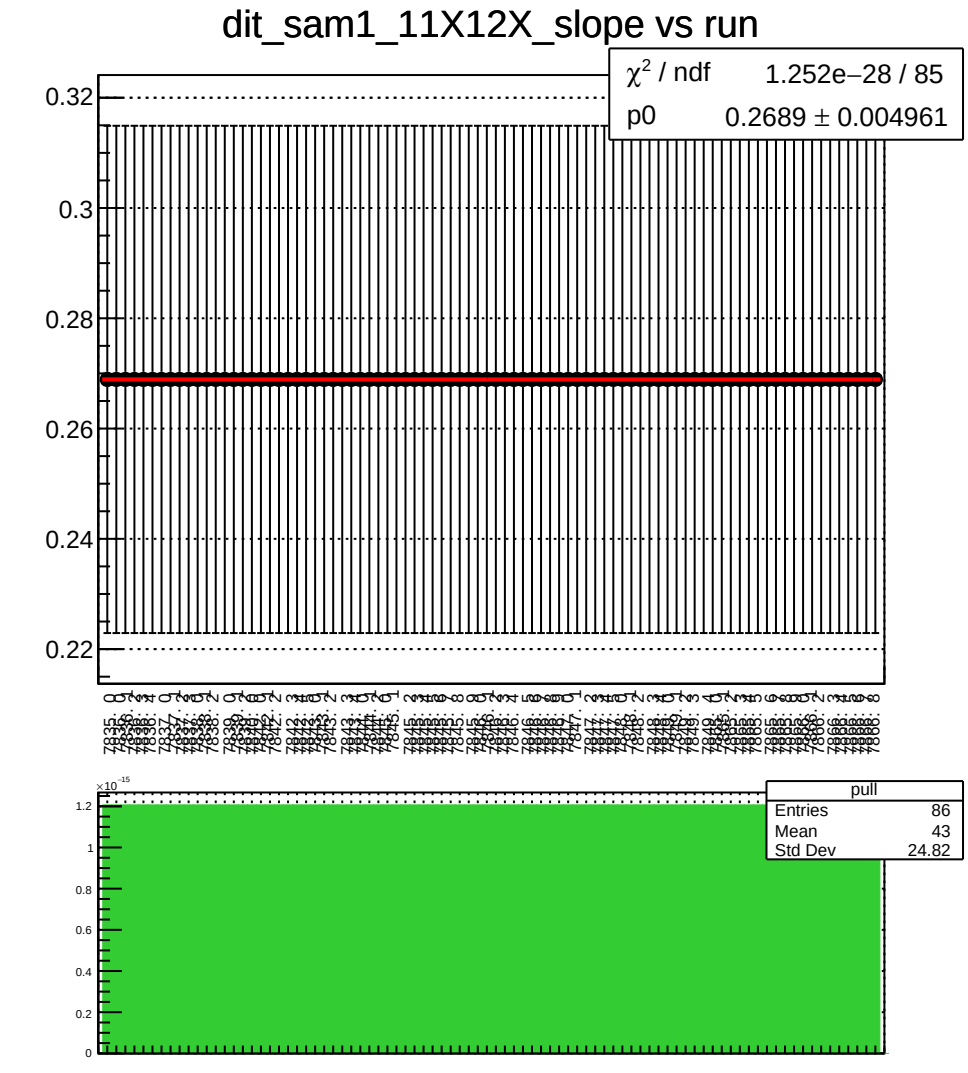

pull1D
Entries 86
Mean −2.221e−13
Std Dev1.044e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

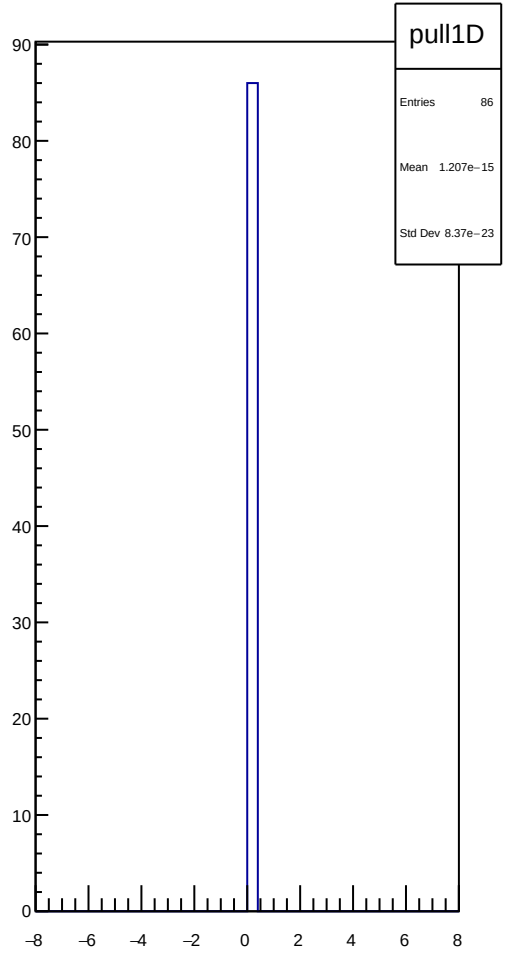

dit_atr2_4aY_slope vs run
χ² / ndf 8.383e−32 / 85
p0 1.302 ± 0.7669
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 3.122e−17
Std Dev1.548e−24

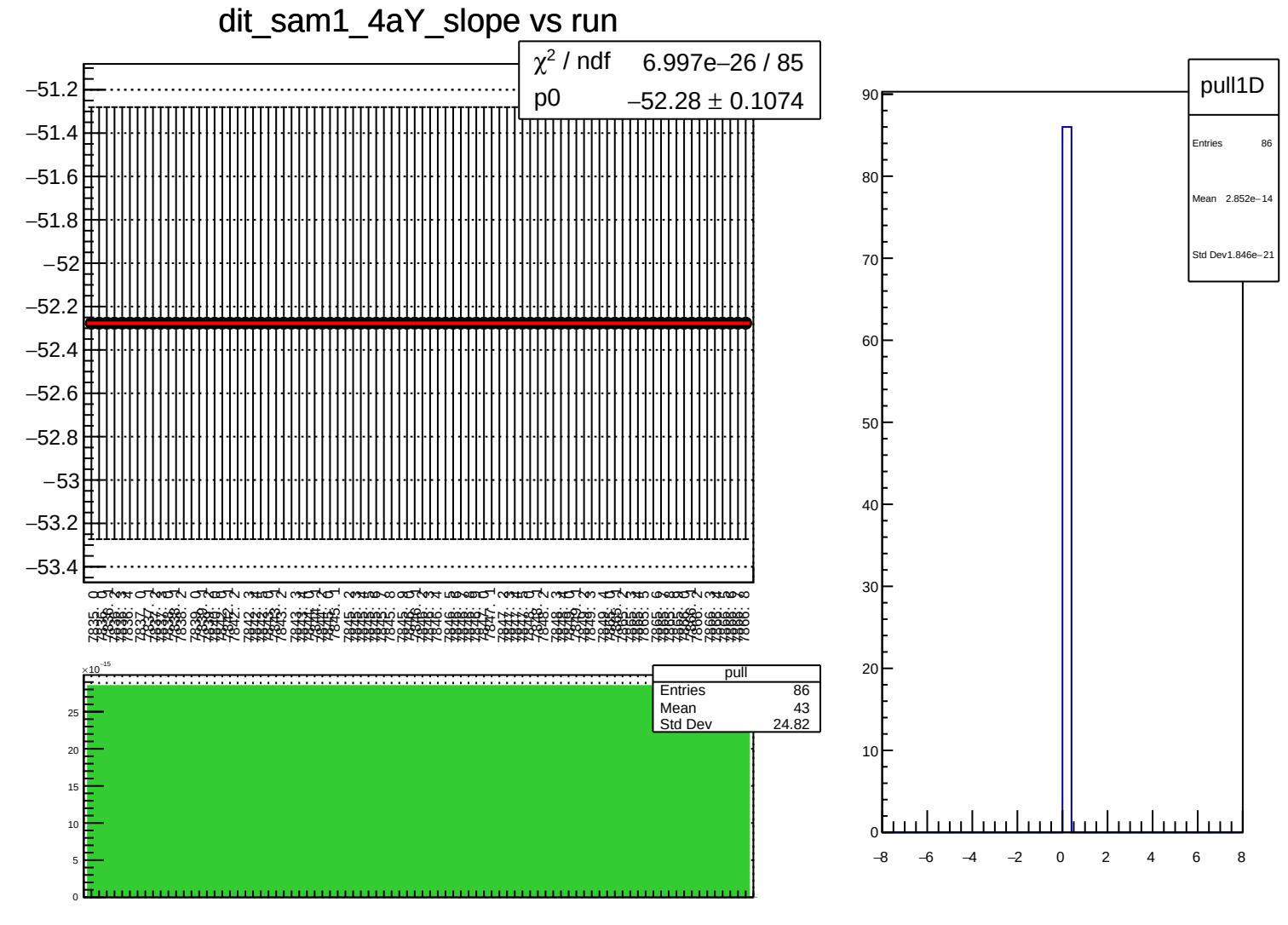

dit_atr2_4eY_slope vs run
χ² / ndf 3.121e−26 / 85
p0 147.3 ± 0.6436
154
152
150
148
146
144
142
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 86
Mean −1.905e−14
Std Dev 1.14e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

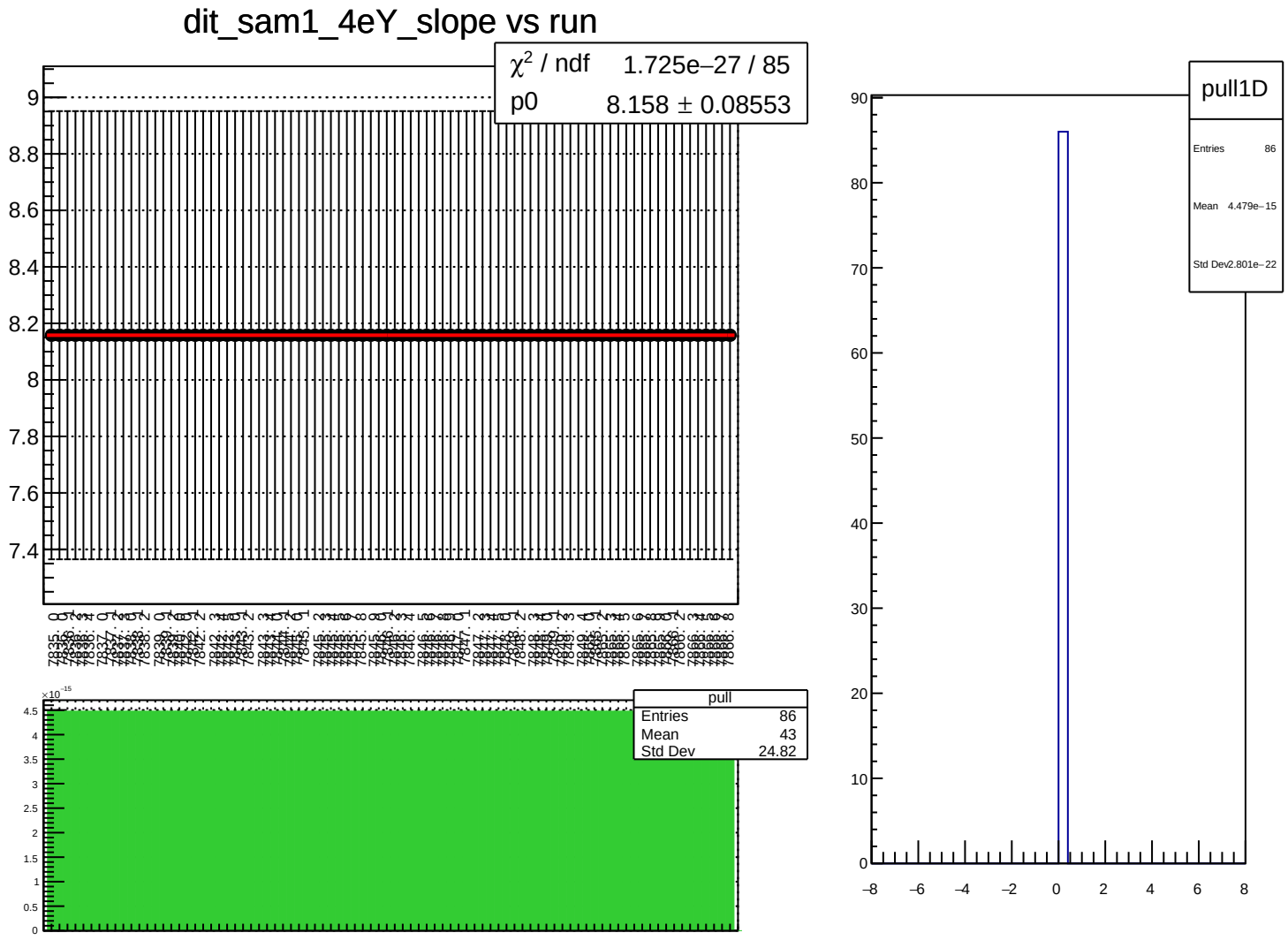

dit_sam1_4aX_slope vs run
χ² / ndf 1.371e−27 / 85
p0 −0.7226 ± 0.01799
−0.55
−0.6
−0.65
−0.7
−0.75
−0.8
−0.85
−0.9
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
−4
pull1D
Entries 86
Mean −3.993e−15
Std Dev 2.539e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

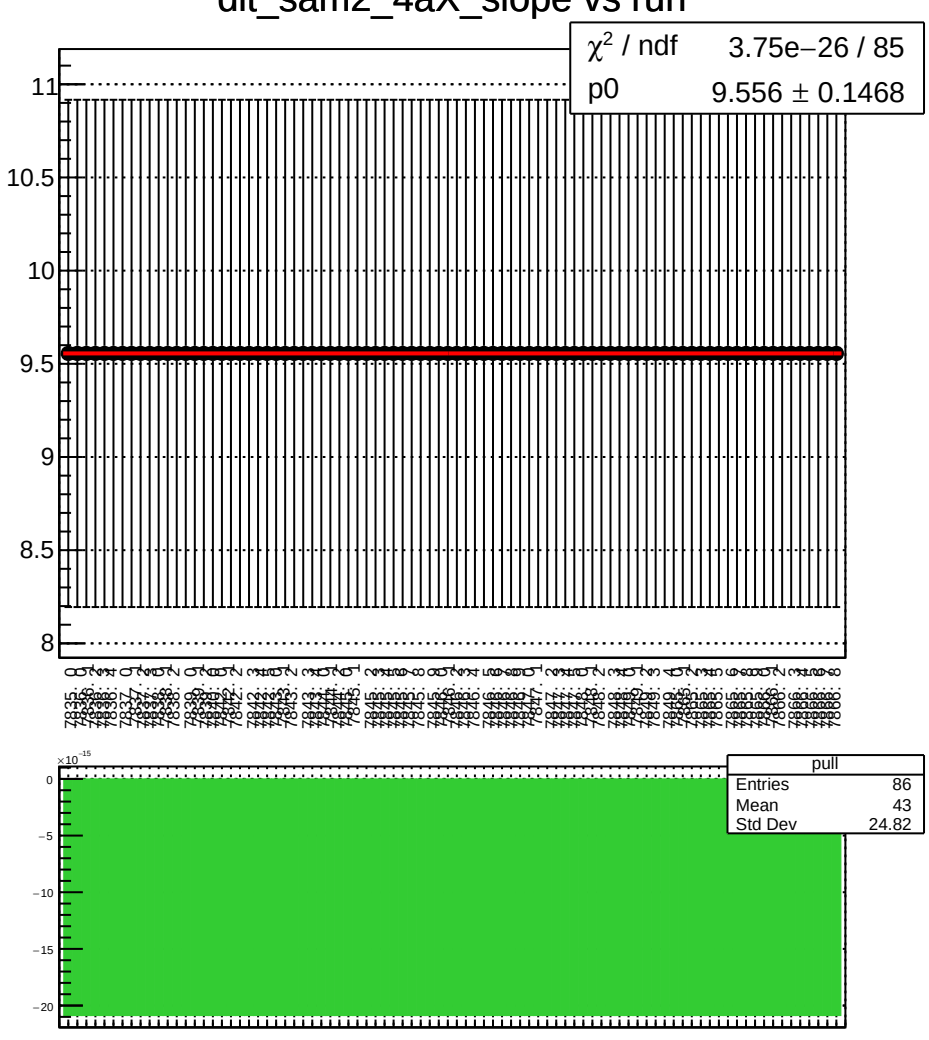

dit_sam1_4eX_slope vs run
χ² / ndf 1.069e−26 / 85
p0 −9.991 ± 0.01718
−9.8
−9.85
−9.9
−9.95
−10
−10.05
−10.1
−10.15
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
pull1D
Entries 86
Mean 1.115e−14
Std Dev 6.862e−22

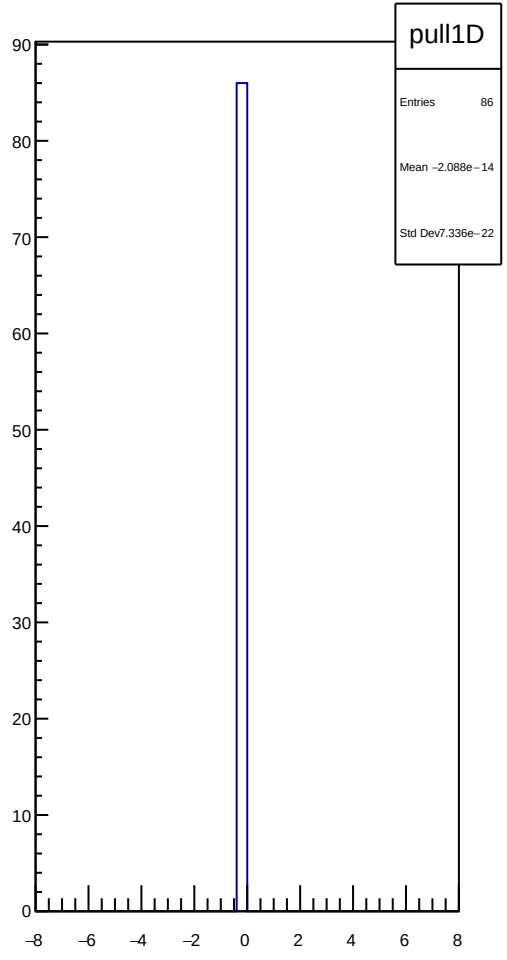

dit_sam1_11X12X_slope vs run
χ² / ndf 1.252e−28 / 85
p0 0.2689 ± 0.004961
0.32
0.3
0.28
0.26
0.24
0.22
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
1.2
1
0.8
0.6
0.4
0.2
0

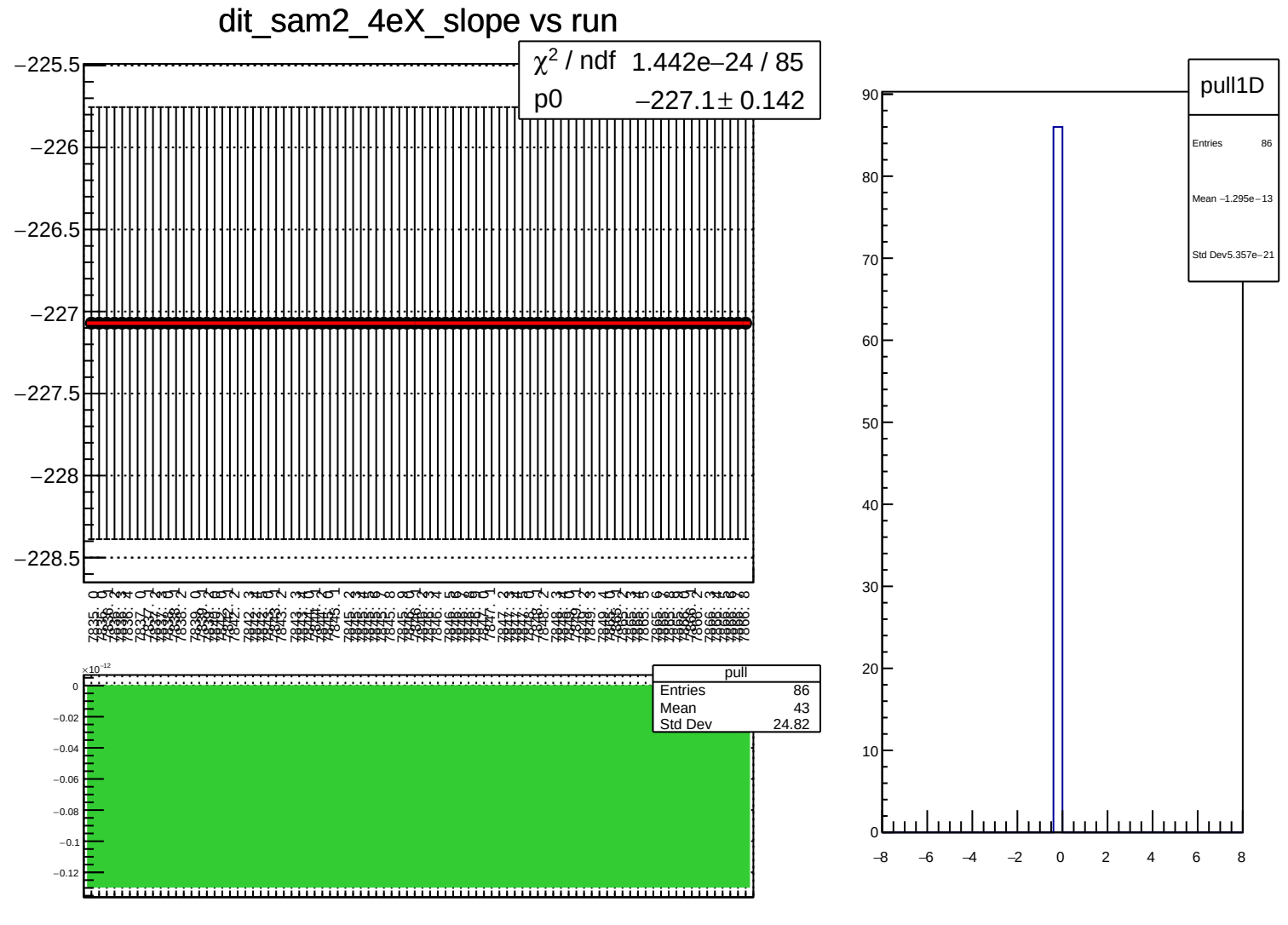

pull1D
Entries 86
Mean 1.207e−15
Std Dev 8.37e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

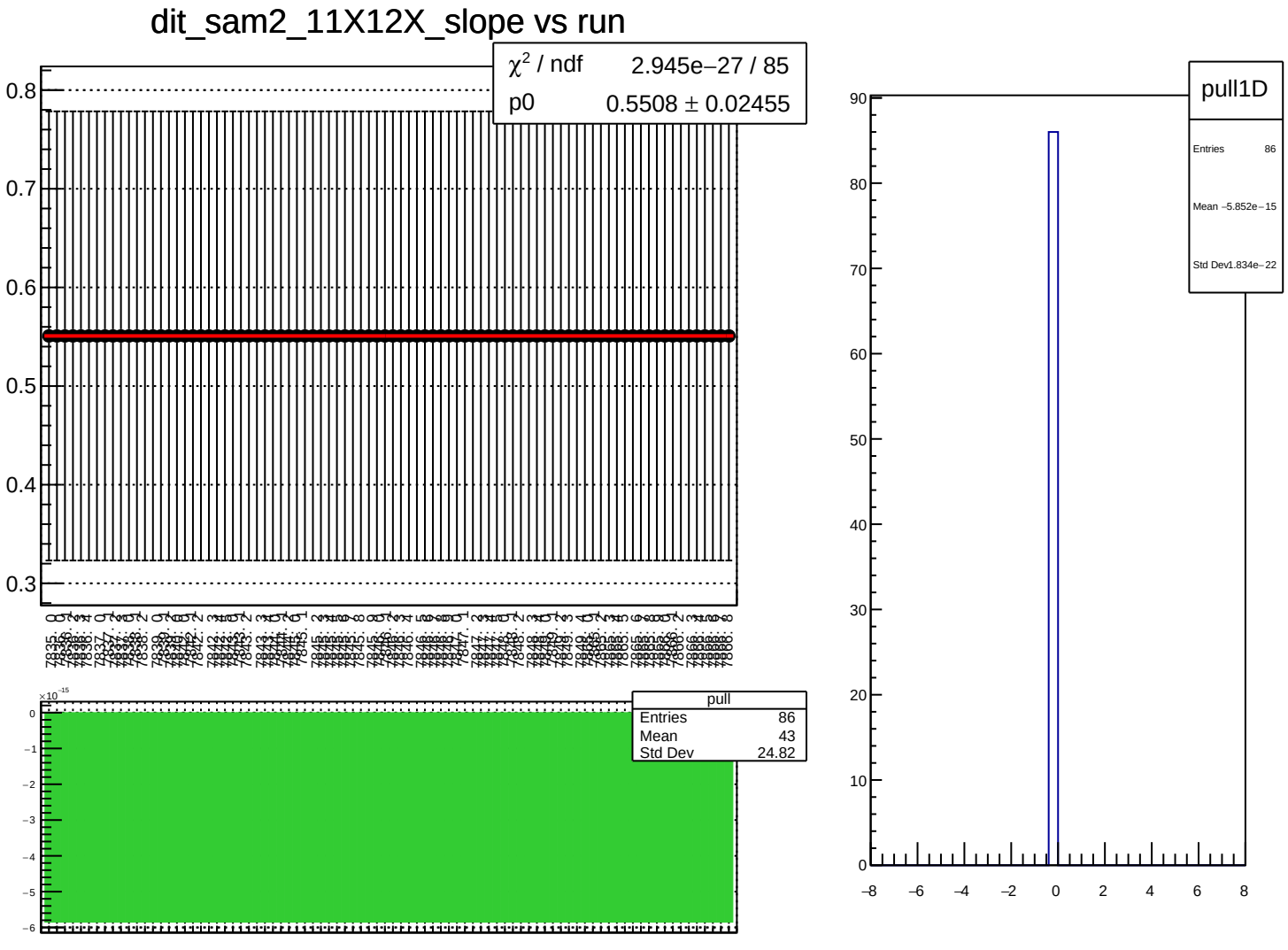

dit_sam1_4aY_slope vs run
χ² / ndf 6.997e−26 / 85
p0 −52.28 ± 0.1074
−51.2
−51.4
−51.6
−51.8
−52
−52.2
−52.4
−52.6
−52.8
−53
−53.2
−53.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 86
Mean 2.852e−14
Std Dev 1.846e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

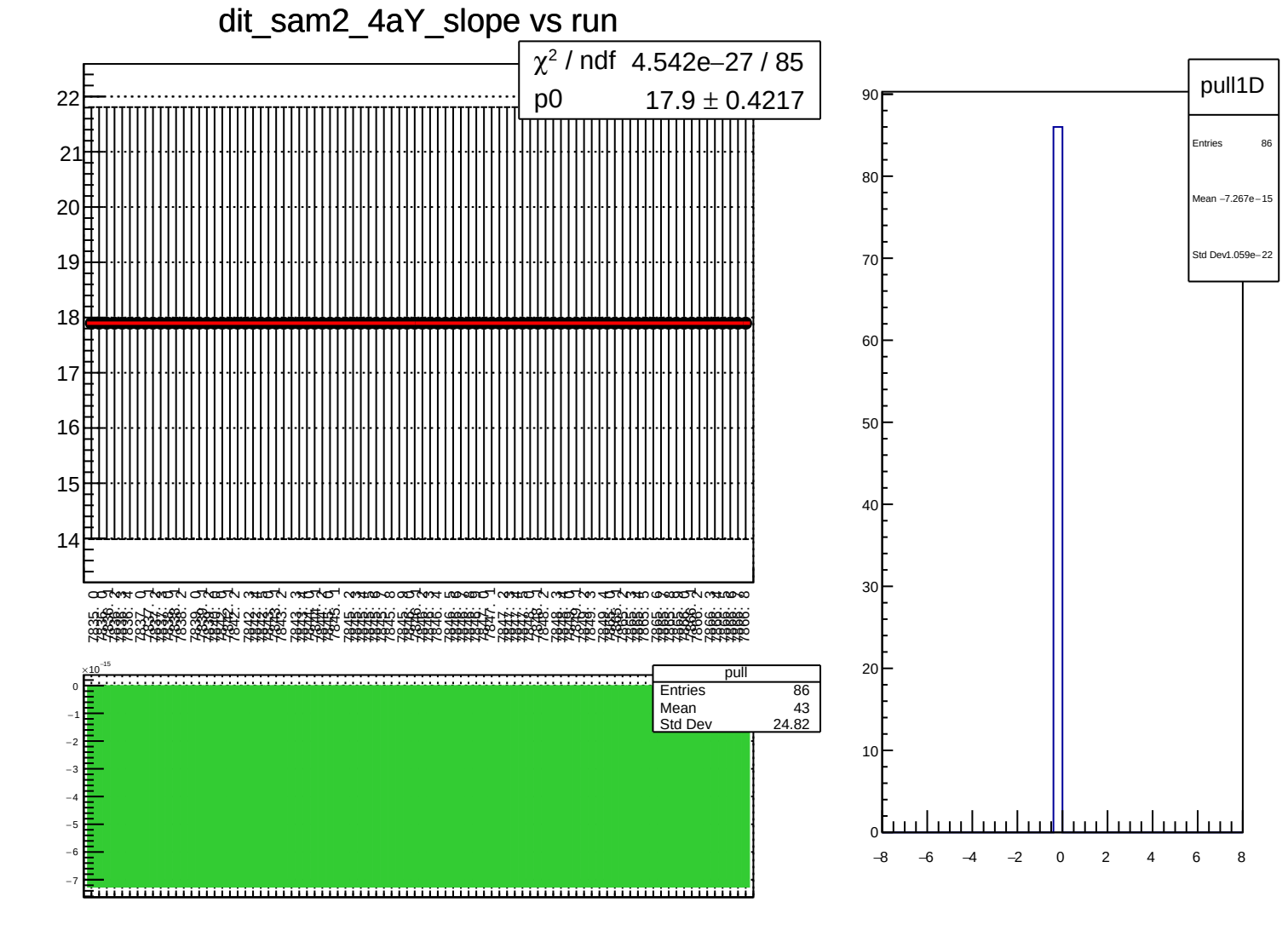

dit_sam1_4eY_slope vs run
χ² / ndf 1.725e−27 / 85
p0 8.158 ± 0.08553
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 4.479e−15
Std Dev 2.801e−22

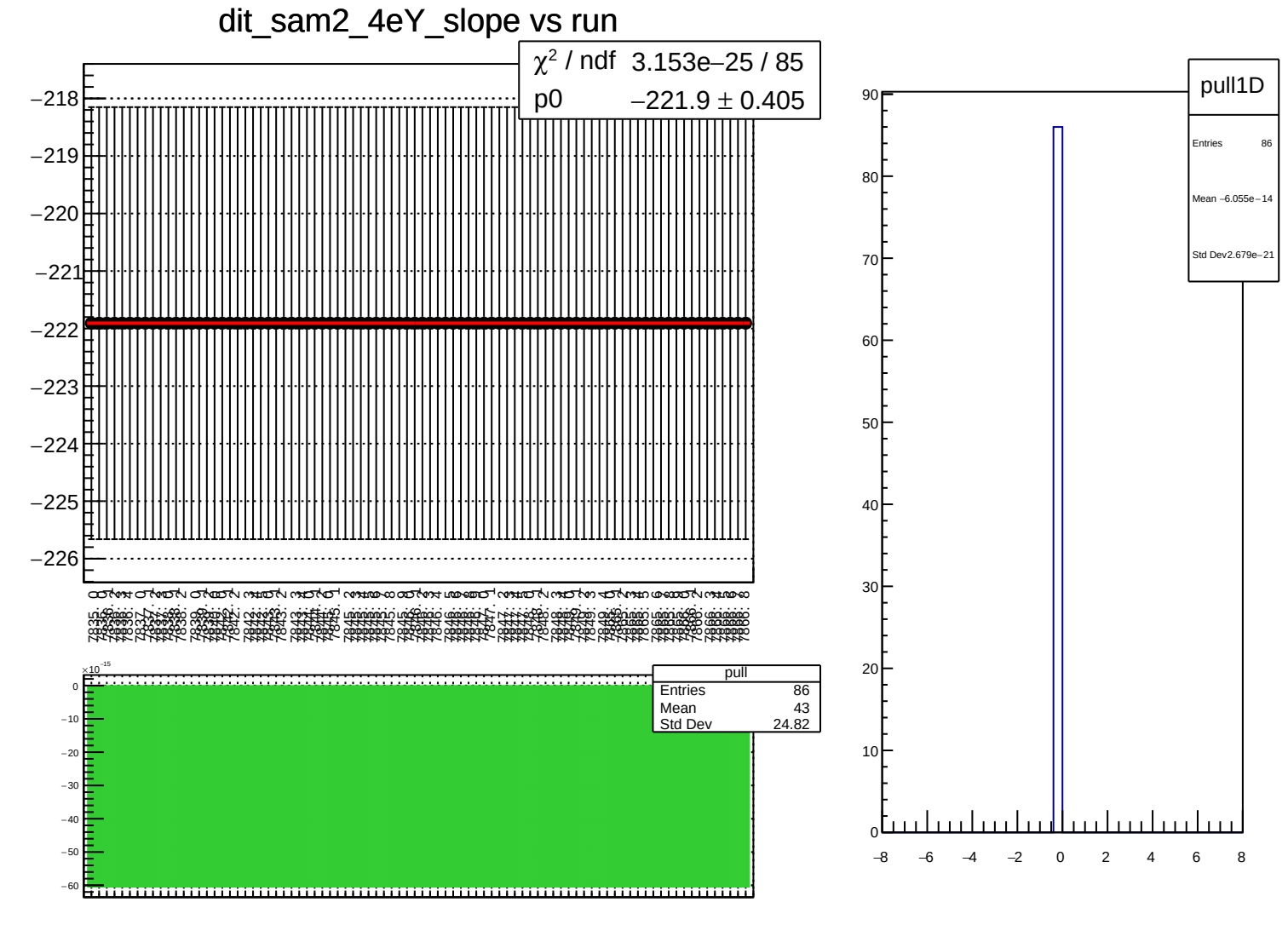

dit_sam2_4aX_slope vs run
χ² / ndf 3.75e−26 / 85
p0 9.556 ± 0.1468
11
10.5
10
9.5
9
8.5
8
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20

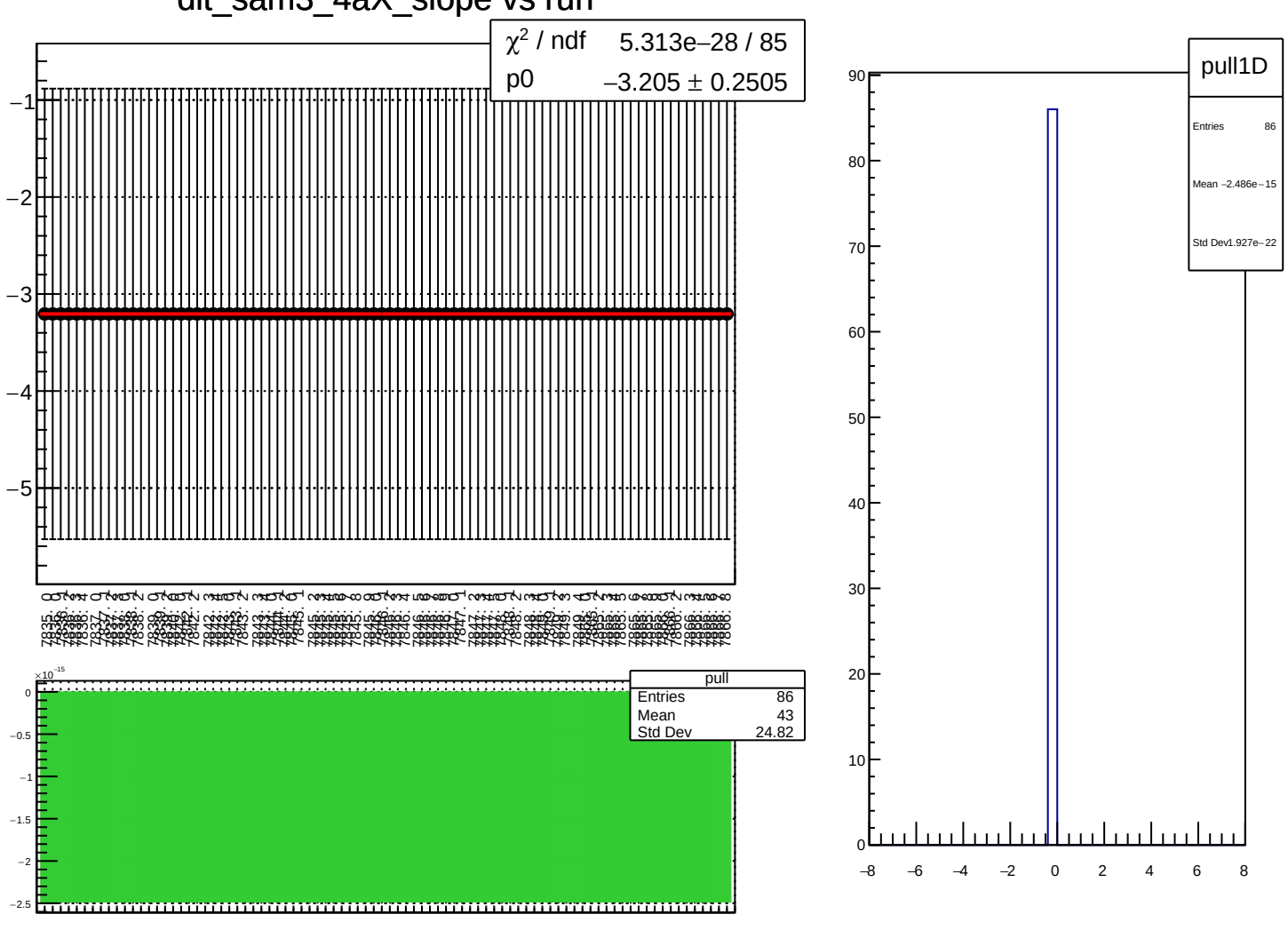

pull1D
Entries 86
Mean −2.088e−14
Std Dev7.336e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

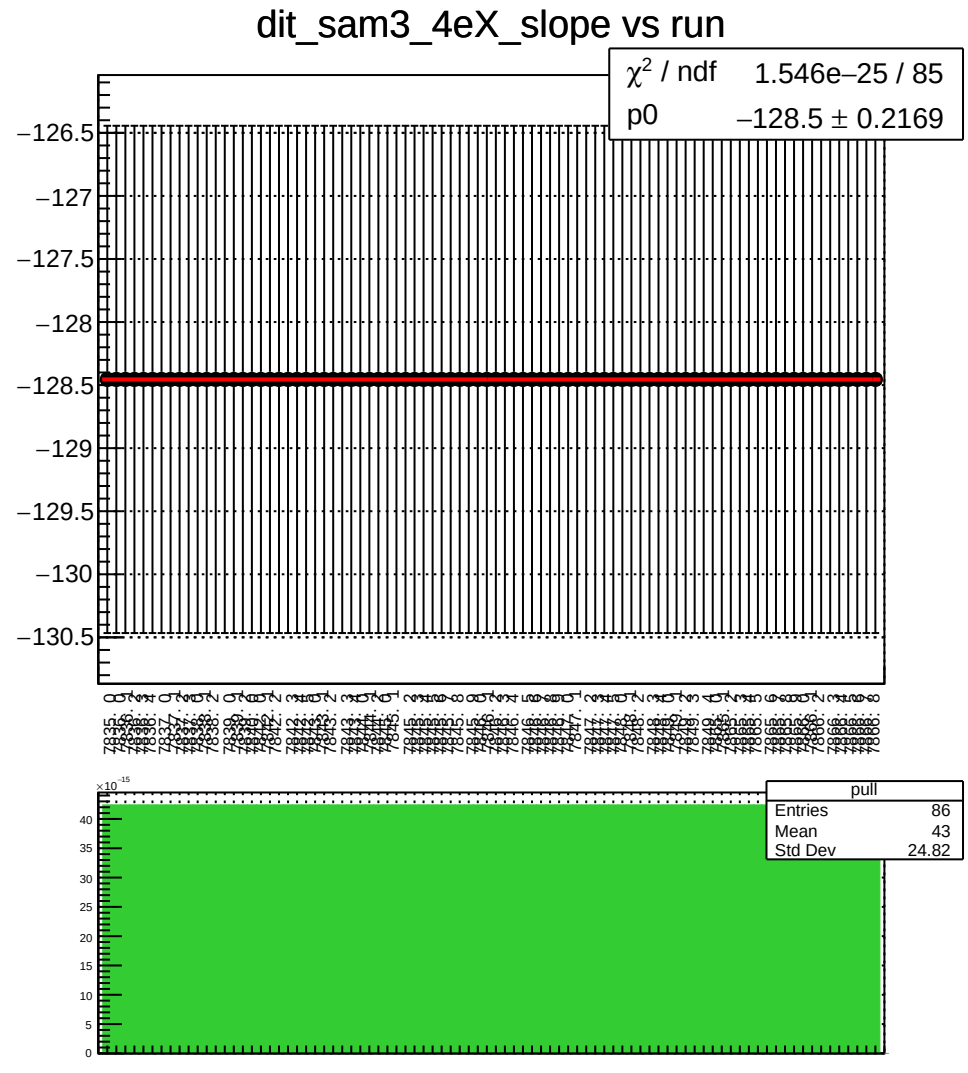

dit_sam2_4eX_slope vs run
χ² / ndf 1.442e−24 / 85
p0 −227.1± 0.142
−225.5
−226
−226.5
−227
−227.5
−228
−228.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 86
Mean −1.295e−13
Std Dev5.357e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

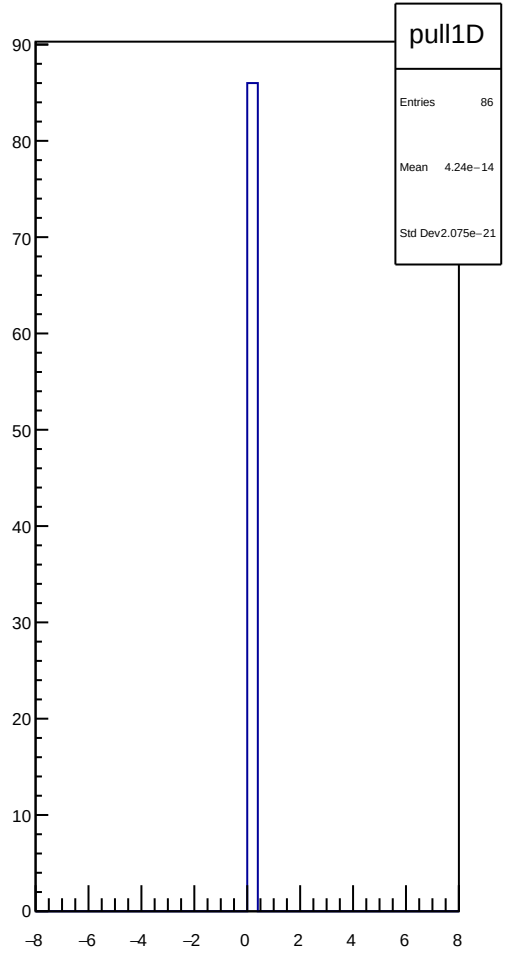

dit_sam2_11X12X_slope vs run
χ² / ndf 2.945e−27 / 85
p0 0.5508 ± 0.02455
0.8
0.7
0.6
0.5
0.4
0.3
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 86
Mean −5.852e−15
Std Dev1.834e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

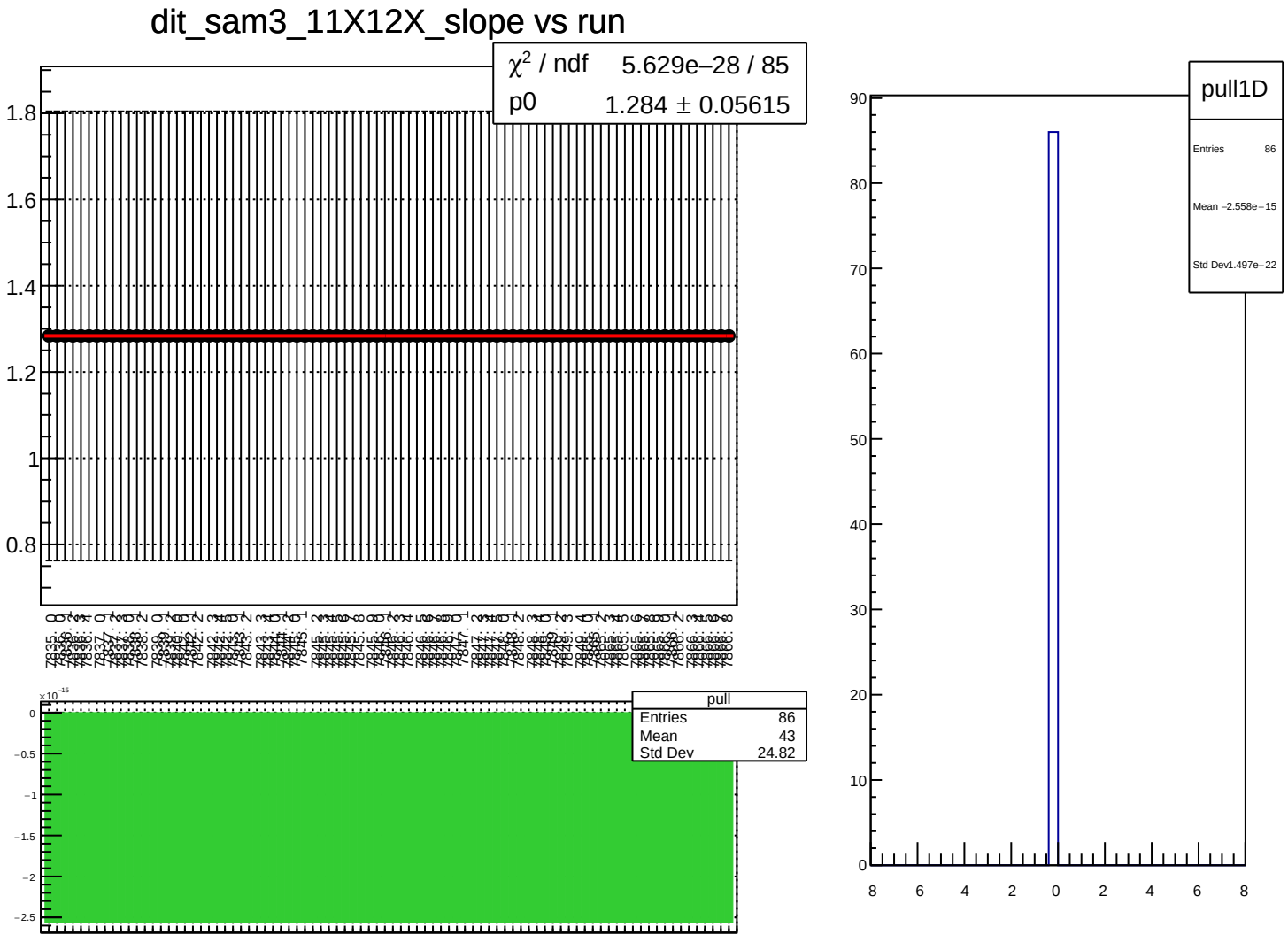

dit_sam2_4aY_slope vs run
χ² / ndf 4.542e−27 / 85
p0 17.9 ± 0.4217
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −7.267e−15
Std Dev1.059e−22

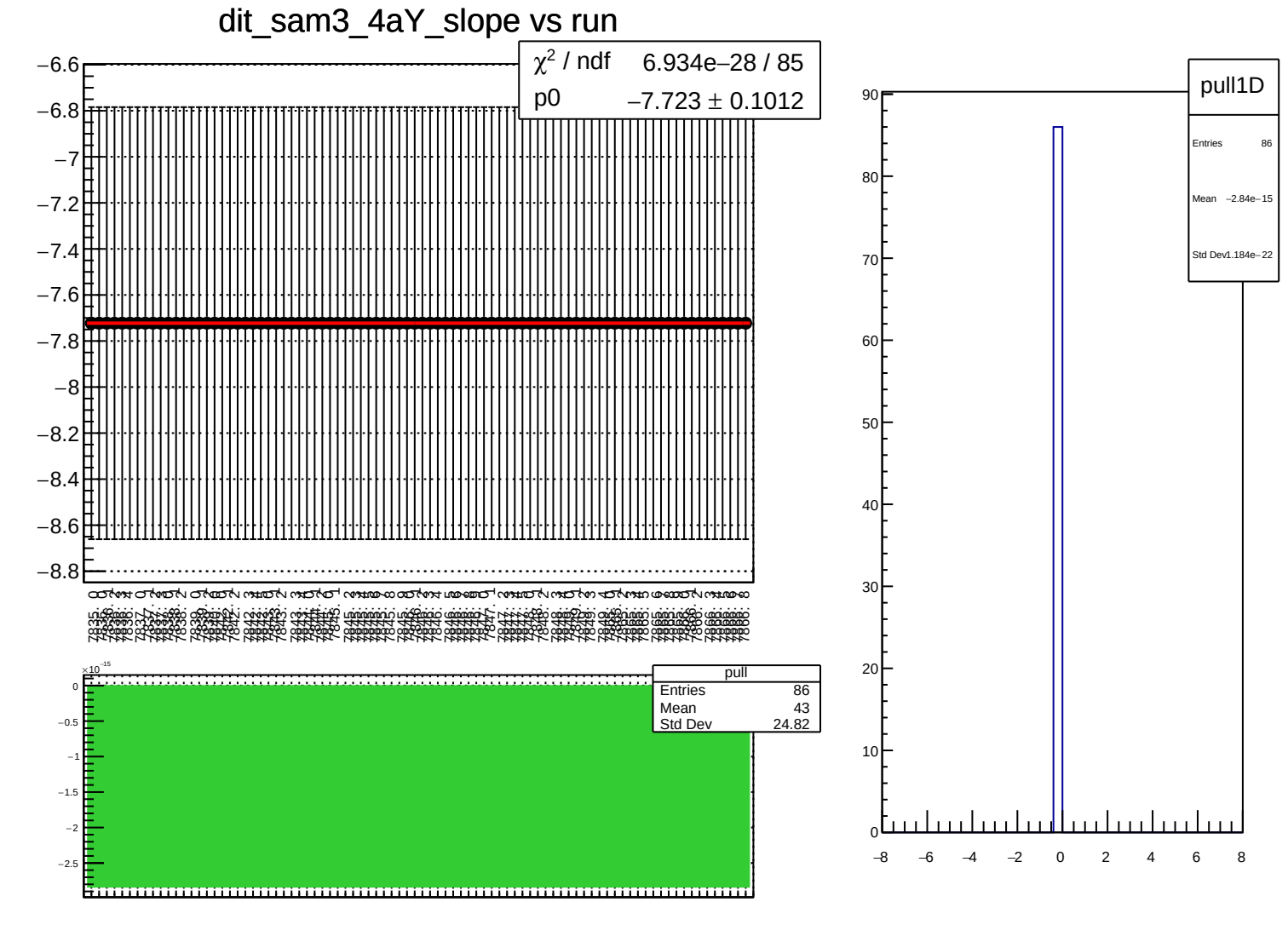

dit_sam2_4eY_slope vs run
χ² / ndf 3.153e−25 / 85
p0 −221.9 ± 0.405
−218
−219
−220
−221
−222
−223
−224
−225
−226
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 86
Mean −6.055e−14
Std Dev2.679e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

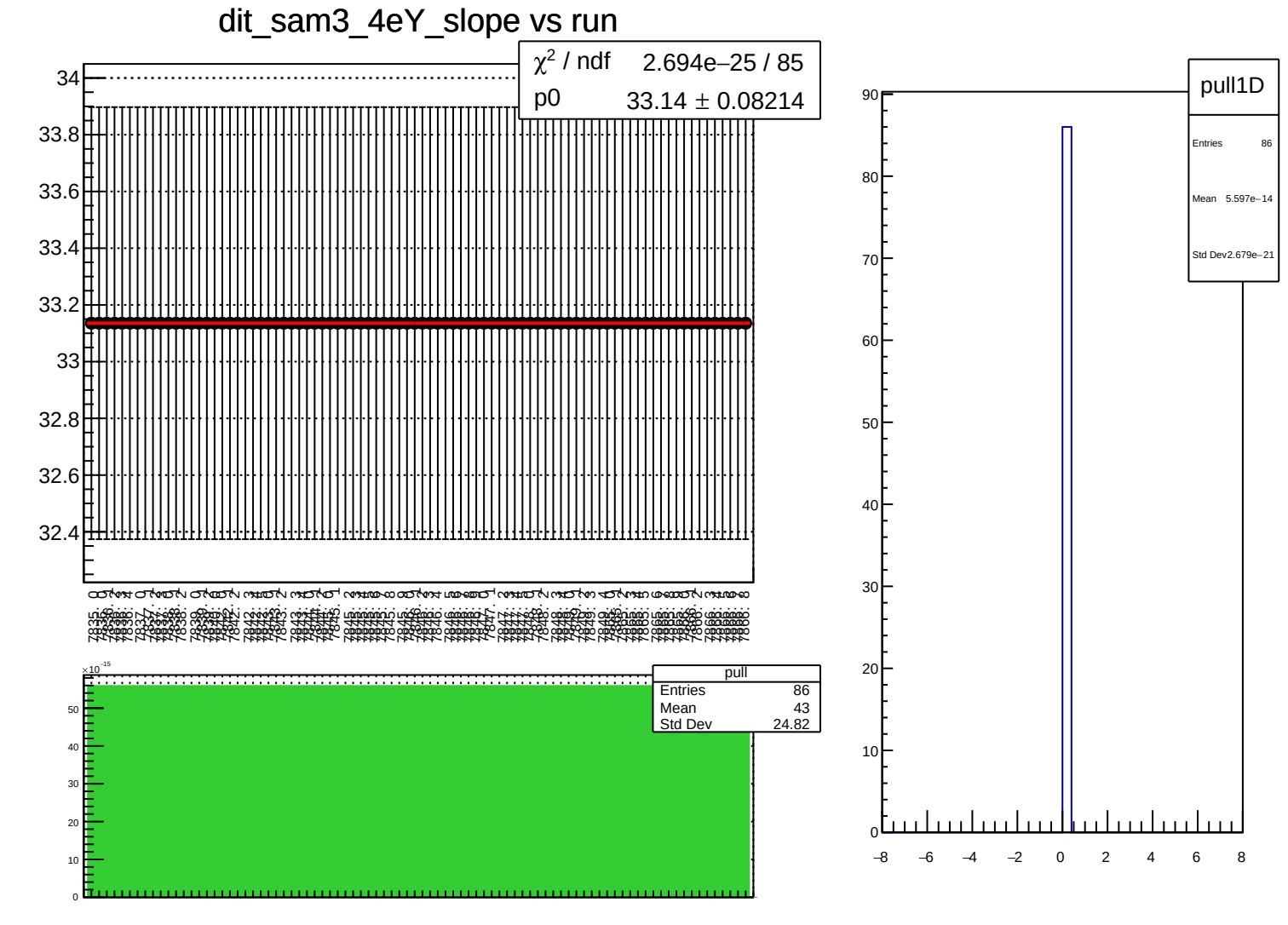

dit_sam3_4aX_slope vs run
χ² / ndf 5.313e−28 / 85
p0 −3.205 ± 0.2505
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −2.486e−15
Std Dev1.927e−22

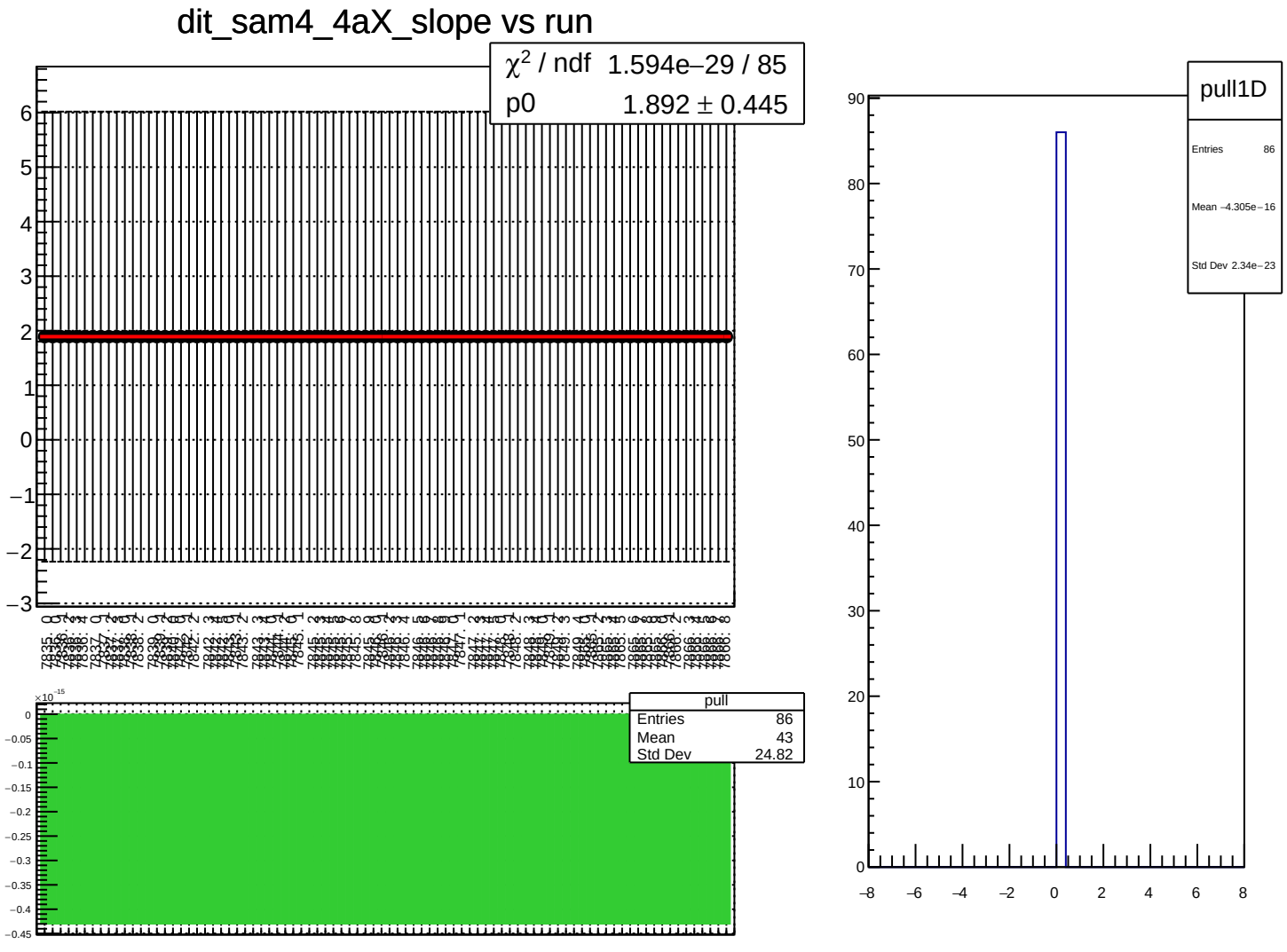

dit_sam3_4eX_slope vs run
χ² / ndf 1.546e−25 / 85
p0 −128.5 ± 0.2169
−126.5
−127
−127.5
−128
−128.5
−129
−129.5
−130
−130.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

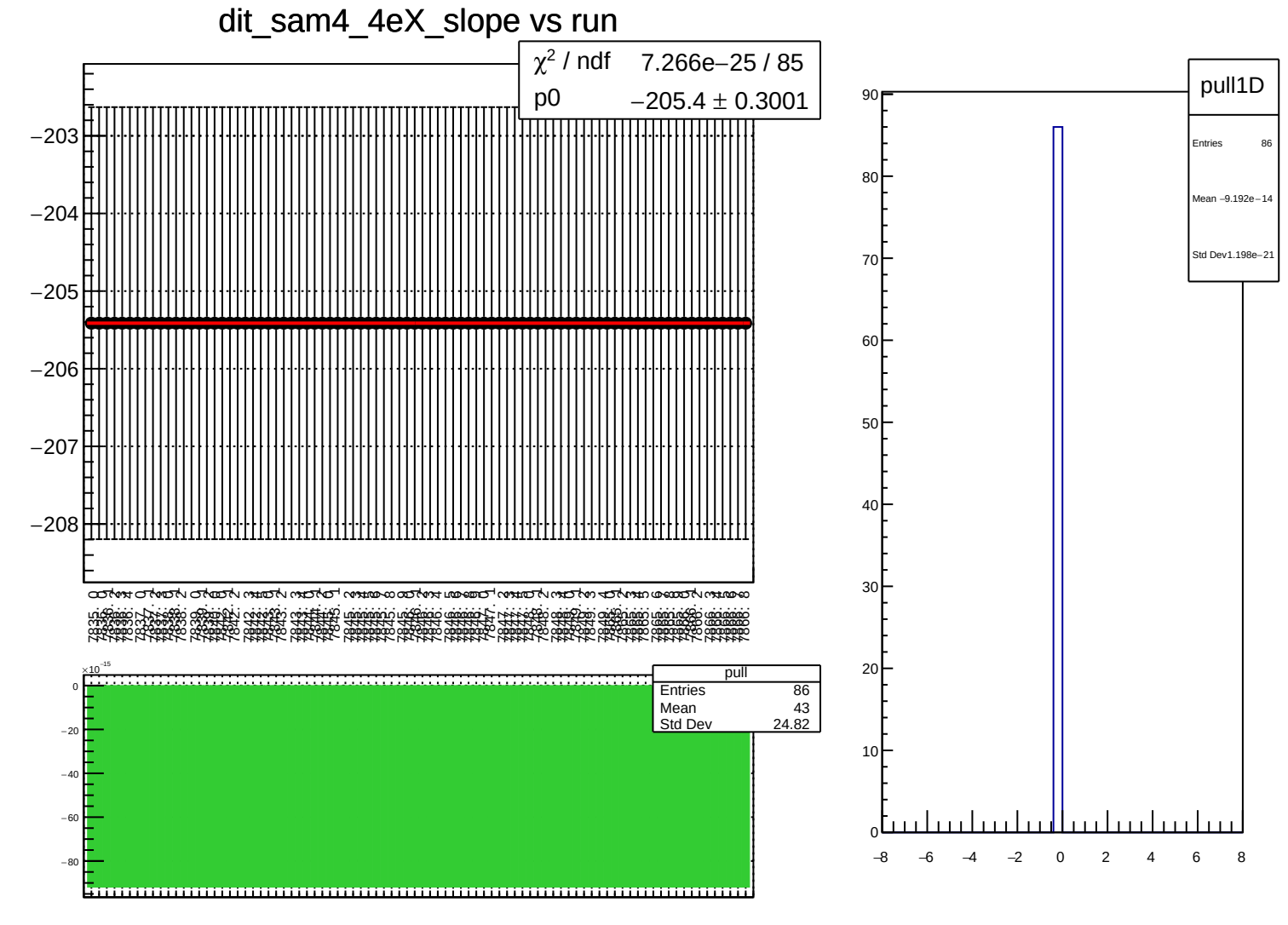

pull1D
Entries 86
Mean 4.24e−14
Std Dev2.075e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

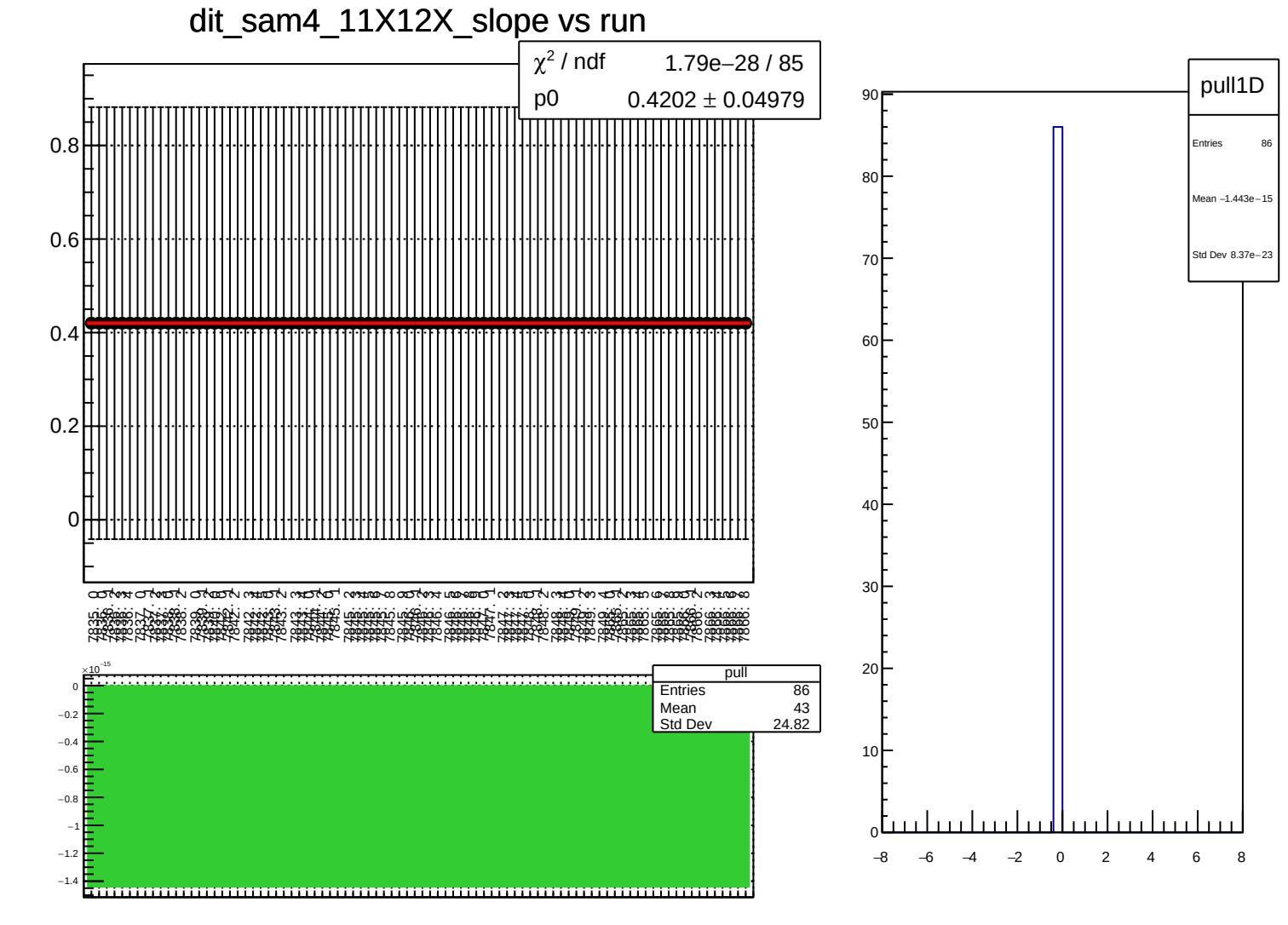

dit_sam3_11X12X_slope vs run
χ² / ndf 5.629e−28 / 85
p0 1.284 ± 0.05615
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −2.558e−15
Std Dev1.497e−22

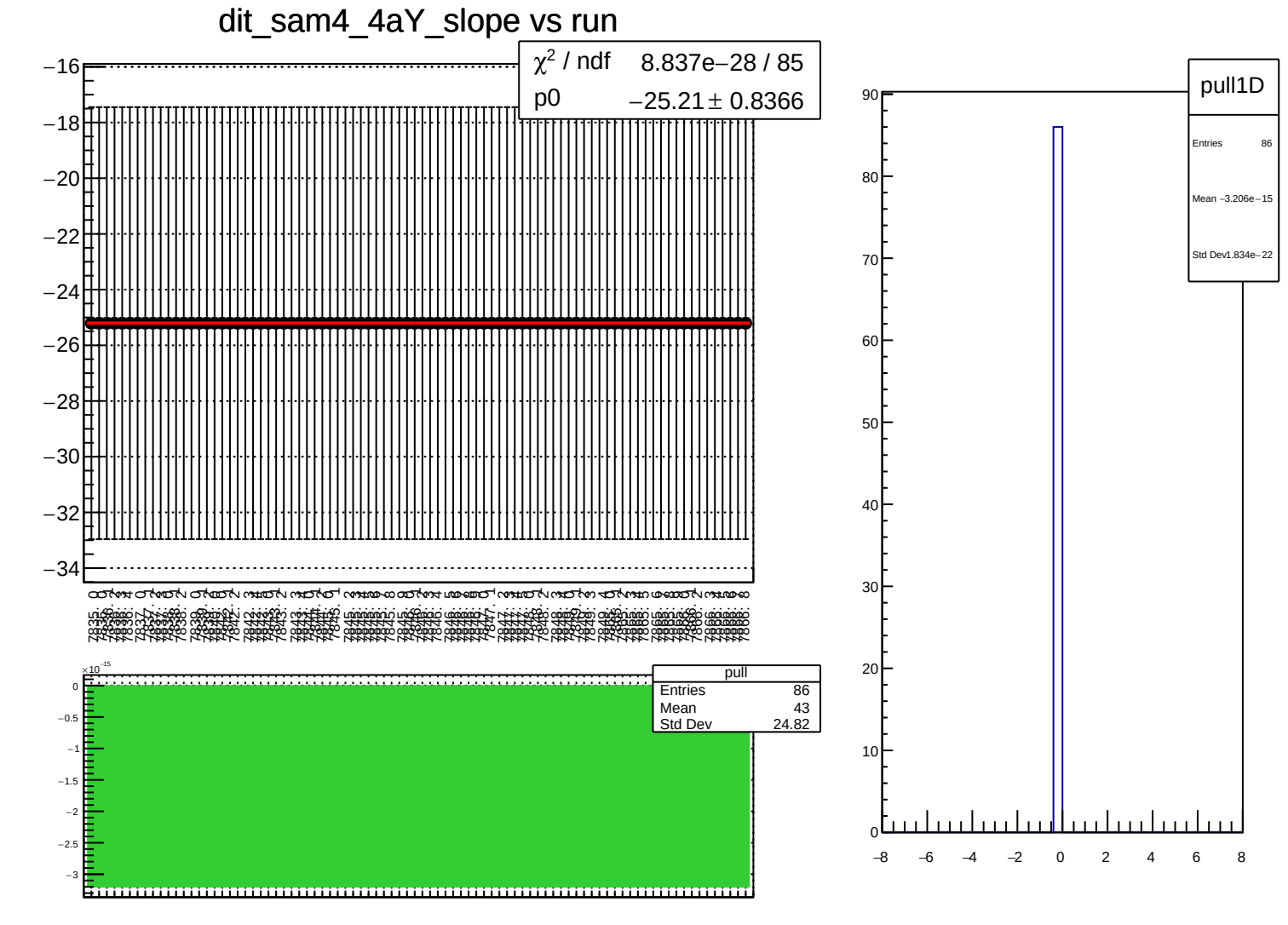

dit_sam3_4aY_slope vs run
χ² / ndf 6.934e−28 / 85
p0 −7.723 ± 0.1012
−6.6
−6.8
−7
−7.2
−7.4
−7.6
−7.8
−8
−8.2
−8.4
−8.6
−8.8
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −2.84e−15
Std Dev1.184e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

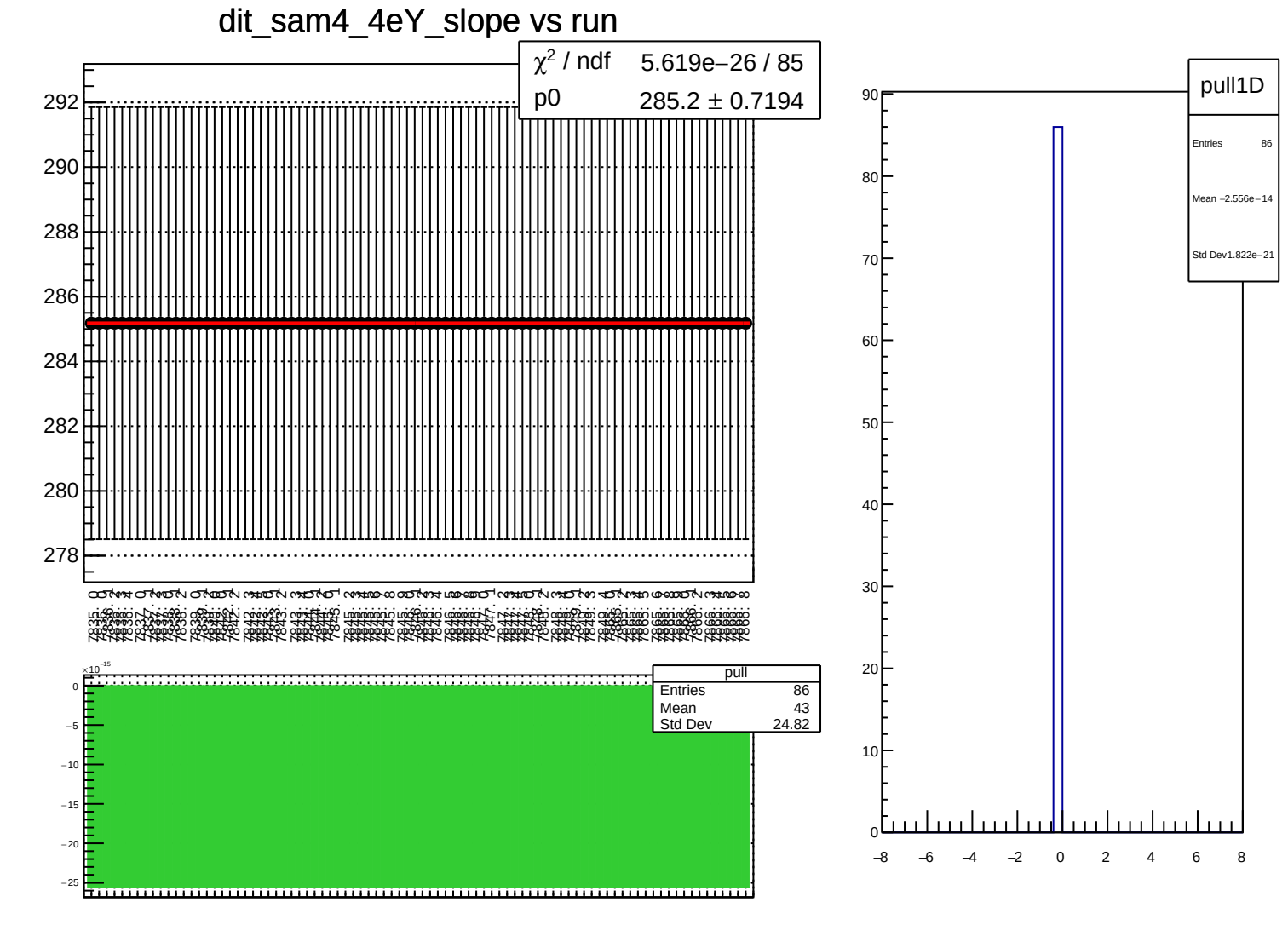

dit_sam3_4eY_slope vs run
χ² / ndf 2.694e−25 / 85
p0 33.14 ± 0.08214
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 5.597e−14
Std Dev2.679e−21

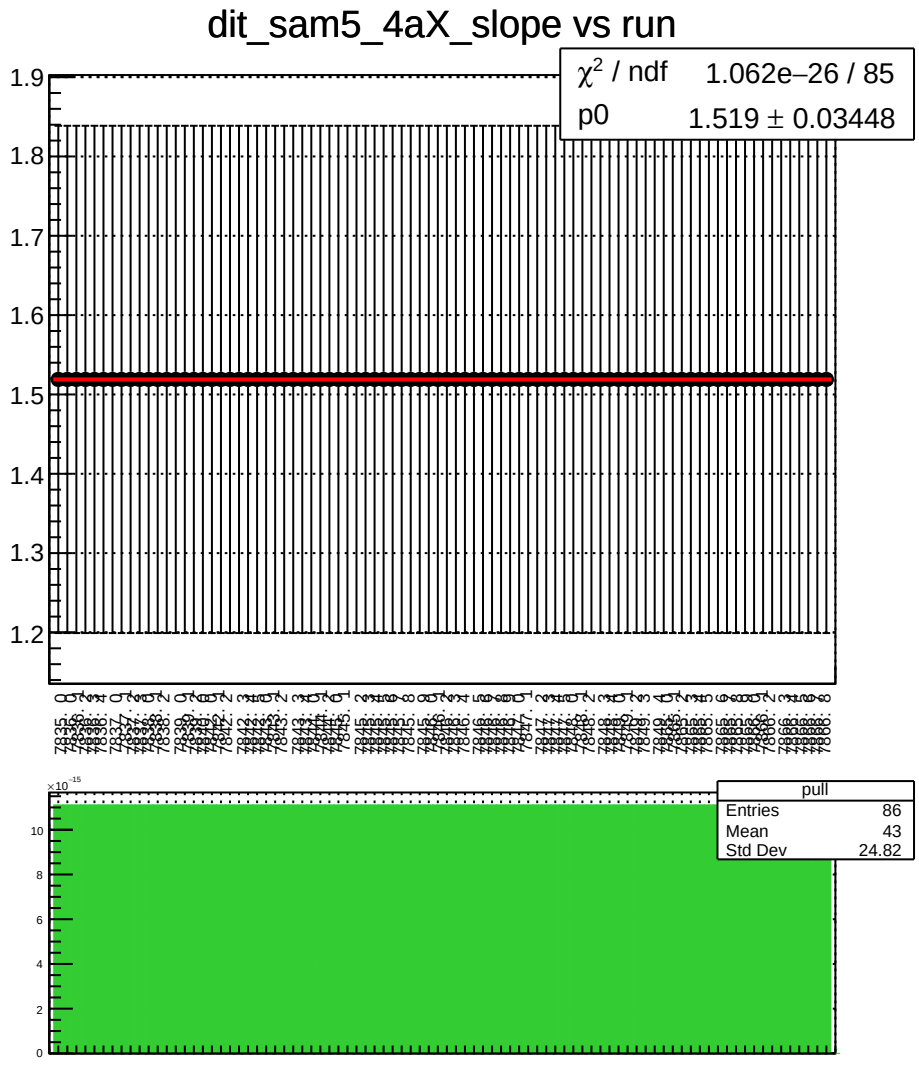

dit_sam4_4aX_slope vs run
χ² / ndf 1.594e−29 / 85
p0 1.892 ± 0.445
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −4.305e−16
Std Dev 2.34e−23

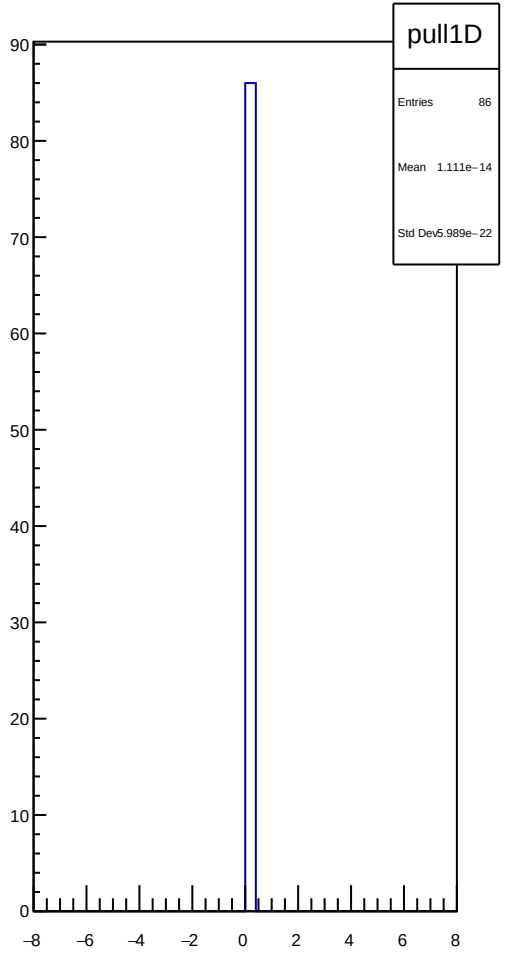

dit_sam4_4eX_slope vs run
χ² / ndf 7.266e−25 / 85
p0 −205.4 ± 0.3001
−203
−204
−205
−206
−207
−208
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−20
−40
−60
−80
pull1D
Entries 86
Mean −9.192e−14
Std Dev1.198e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

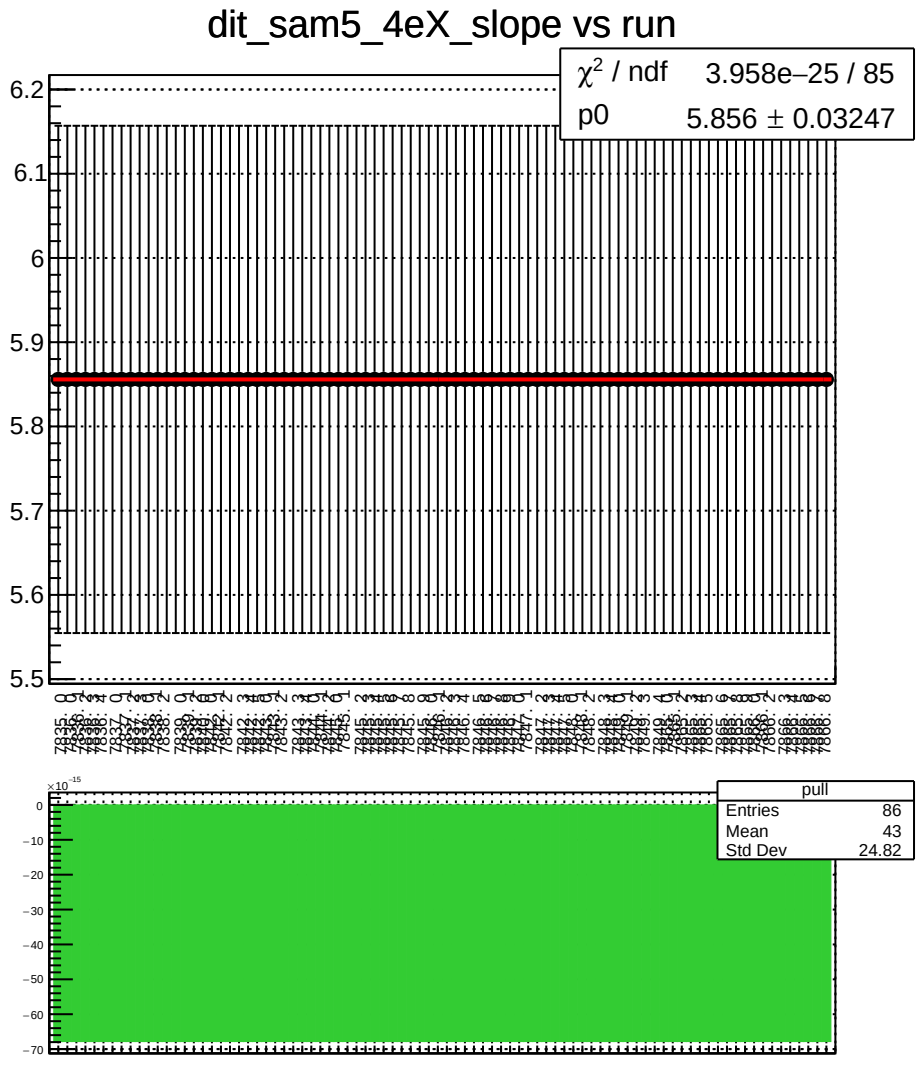

dit_sam4_11X12X_slope vs run
χ² / ndf 1.79e−28 / 85
p0 0.4202 ± 0.04979
0.8
0.6
0.4
0.2
0
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 86
Mean −1.443e−15
Std Dev 8.37e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

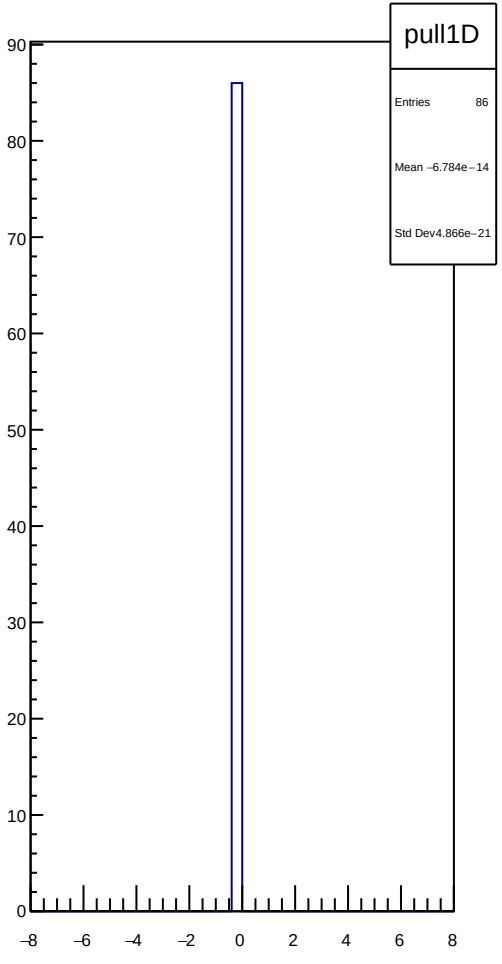

dit_sam4_4aY_slope vs run
χ² / ndf 8.837e−28 / 85
p0 −25.21 ± 0.8366
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −3.206e−15
Std Dev1.834e−22

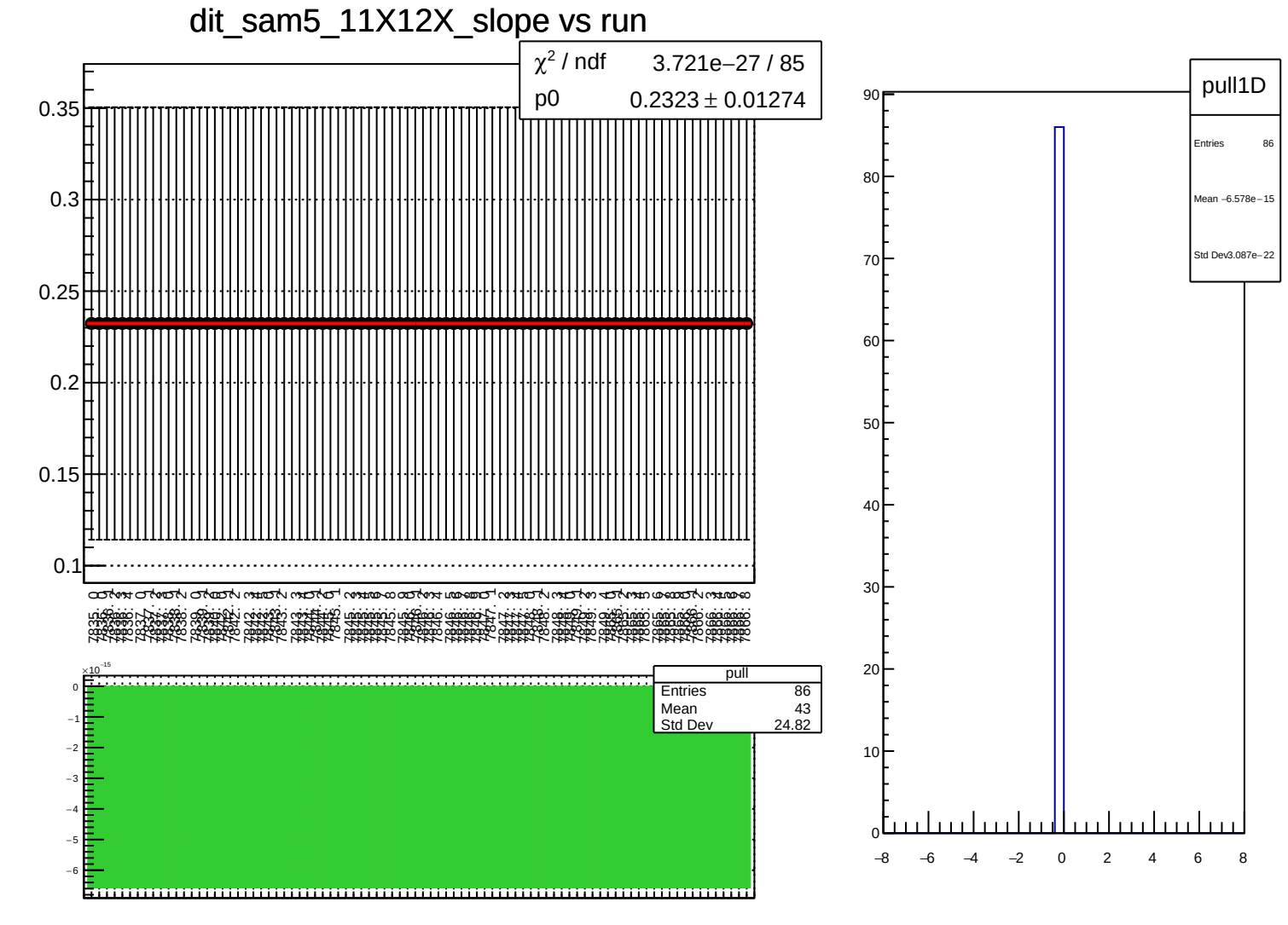

dit_sam4_4eY_slope vs run
χ² / ndf 5.619e−26 / 85
p0 285.2 ± 0.7194
292
290
288
286
284
282
280
278
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 86
Mean −2.556e−14
Std Dev1.822e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

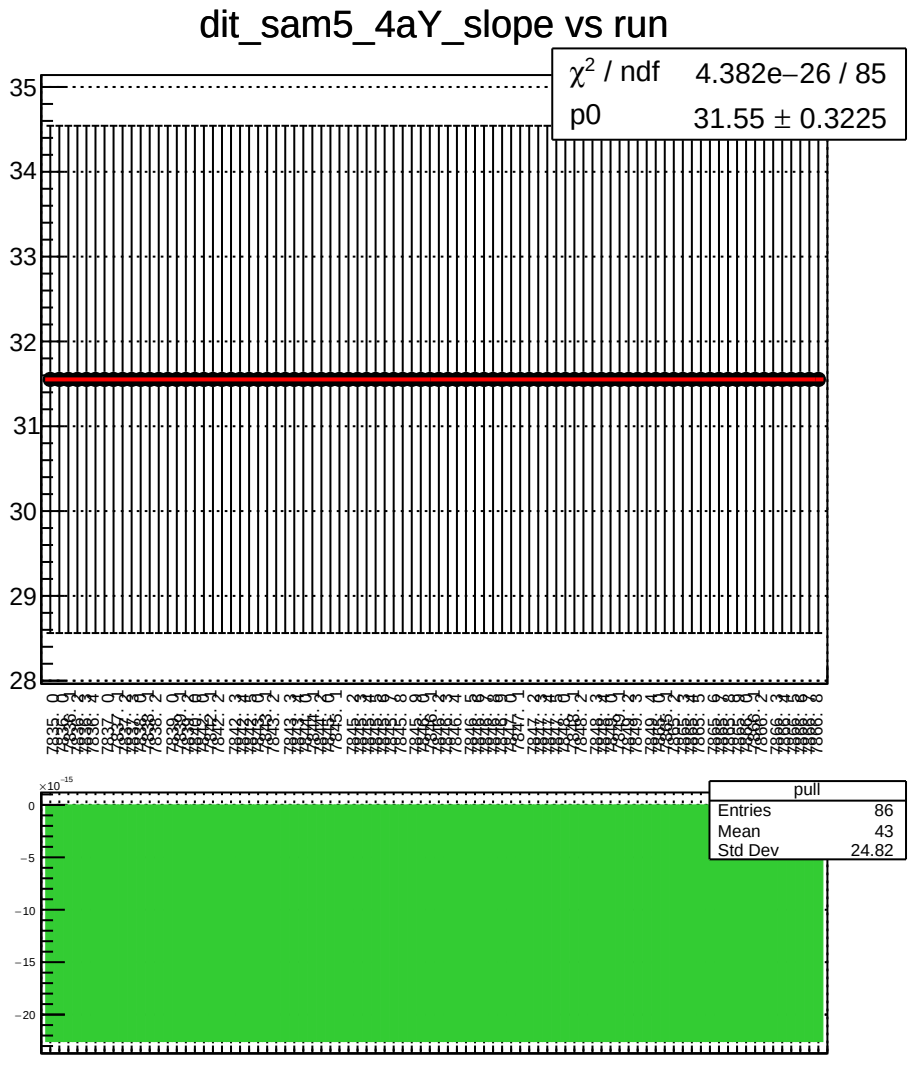

dit_sam5_4aX_slope vs run
χ^2 / ndf 1.062e−26 / 85
p0 1.519 ± 0.03448
pull
Entries 86
Mean 43
Std Dev 24.82

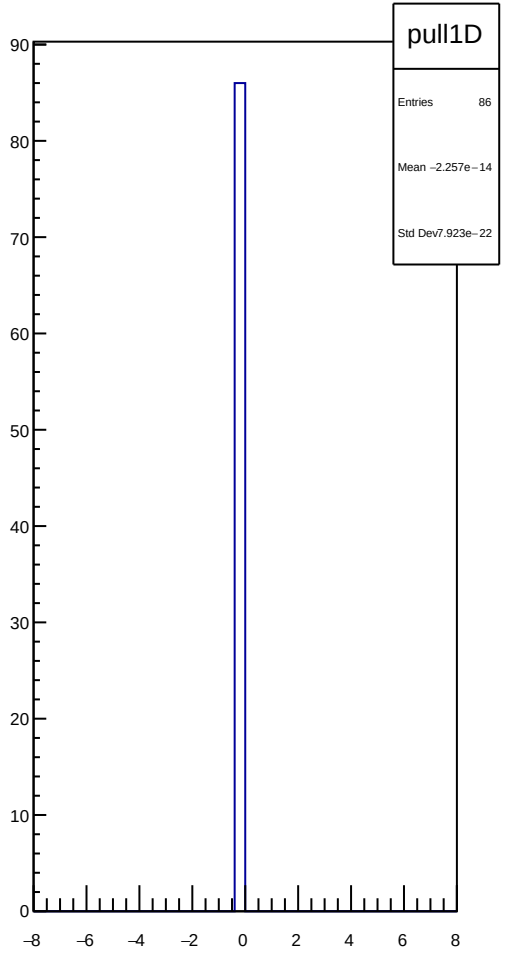

pull1D
Entries 86
Mean 1.111e−14
Std Dev 5.989e−22

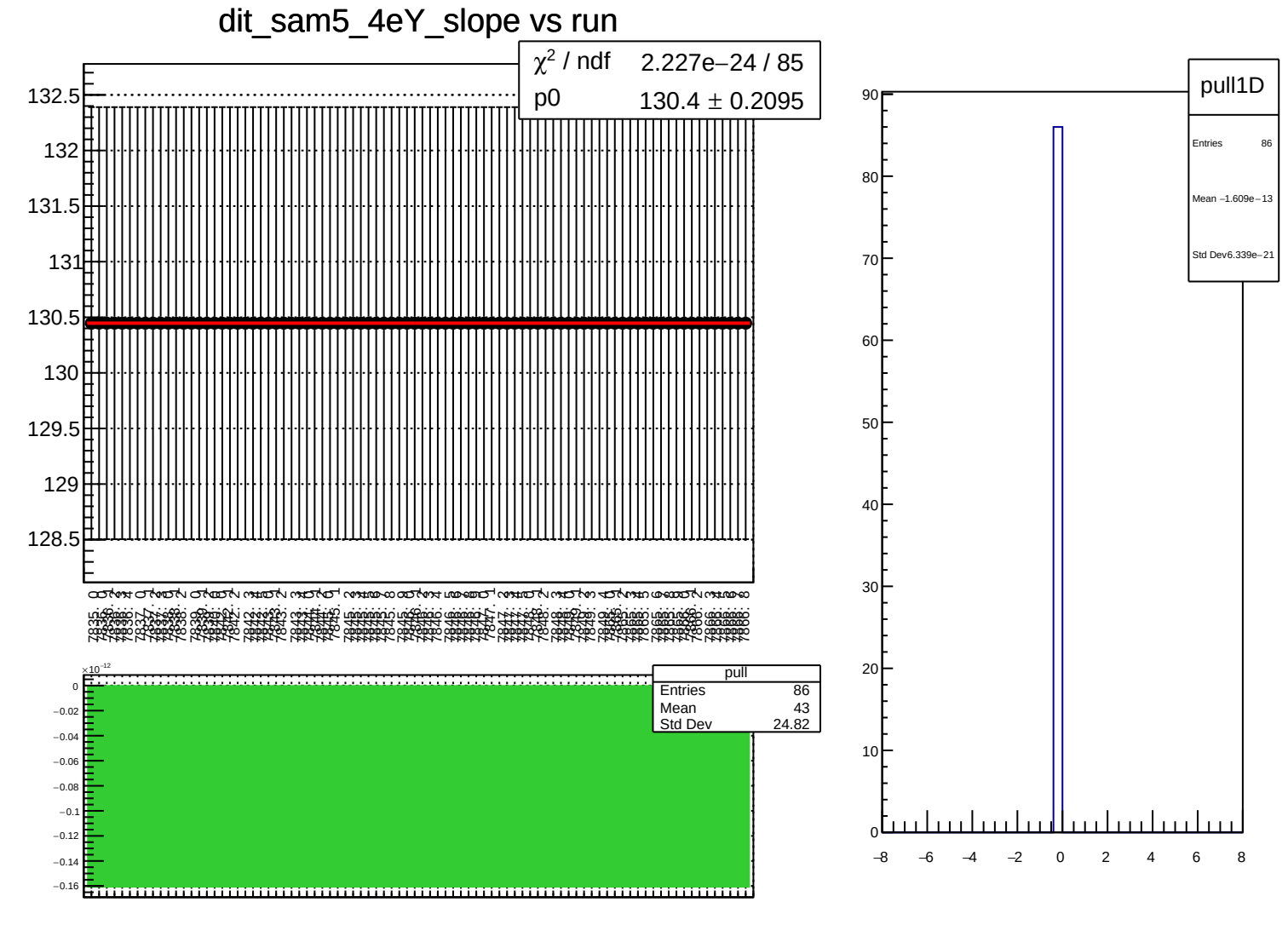

dit_sam5_4eX_slope vs run
χ² / ndf 3.958e−25 / 85
p0 5.856 ± 0.03247
pull
Entries 86
Mean 43
Std Dev 24.82

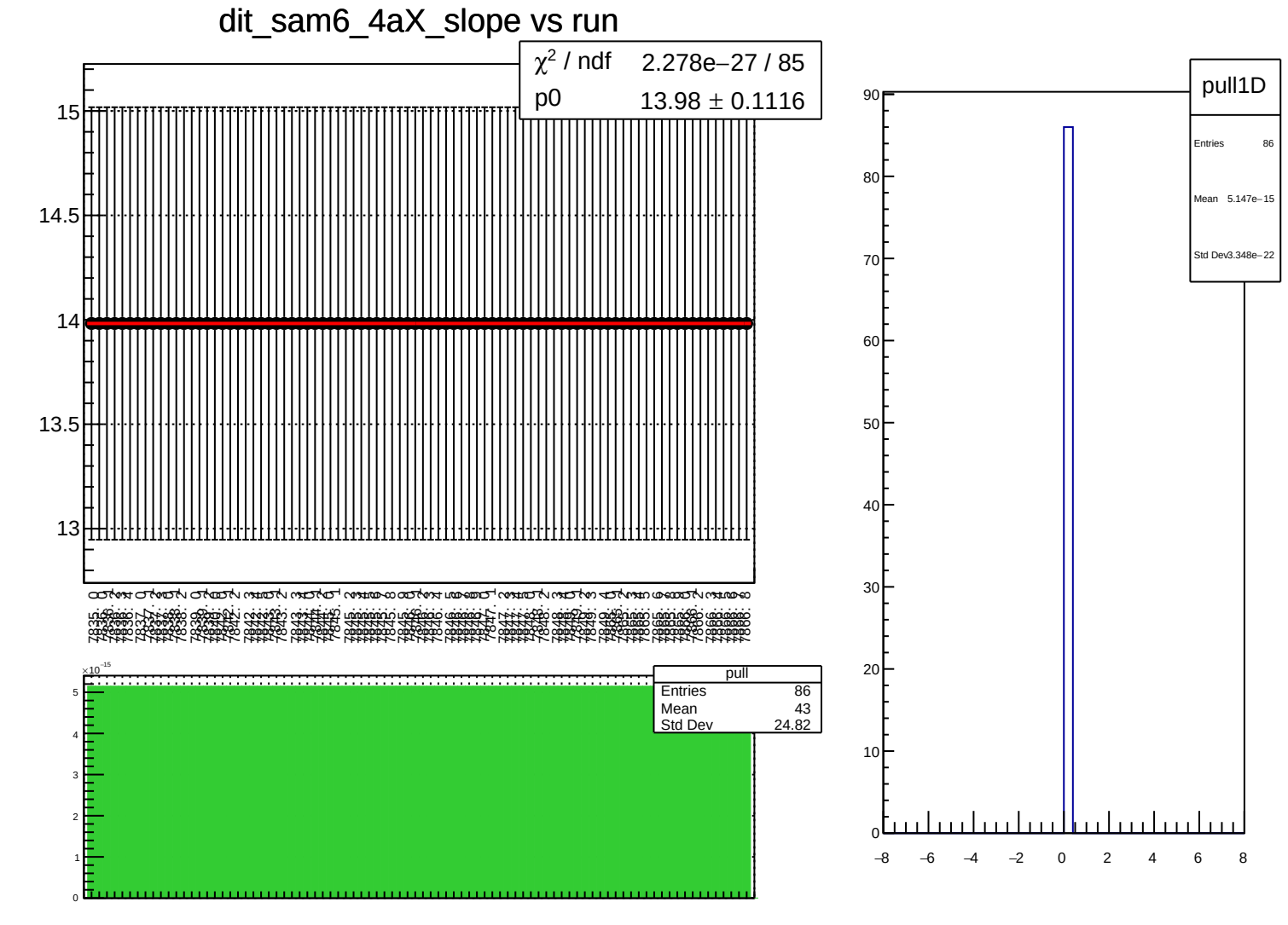

pull1D
Entries 86
Mean −6.784e−14
Std Dev4.866e−21

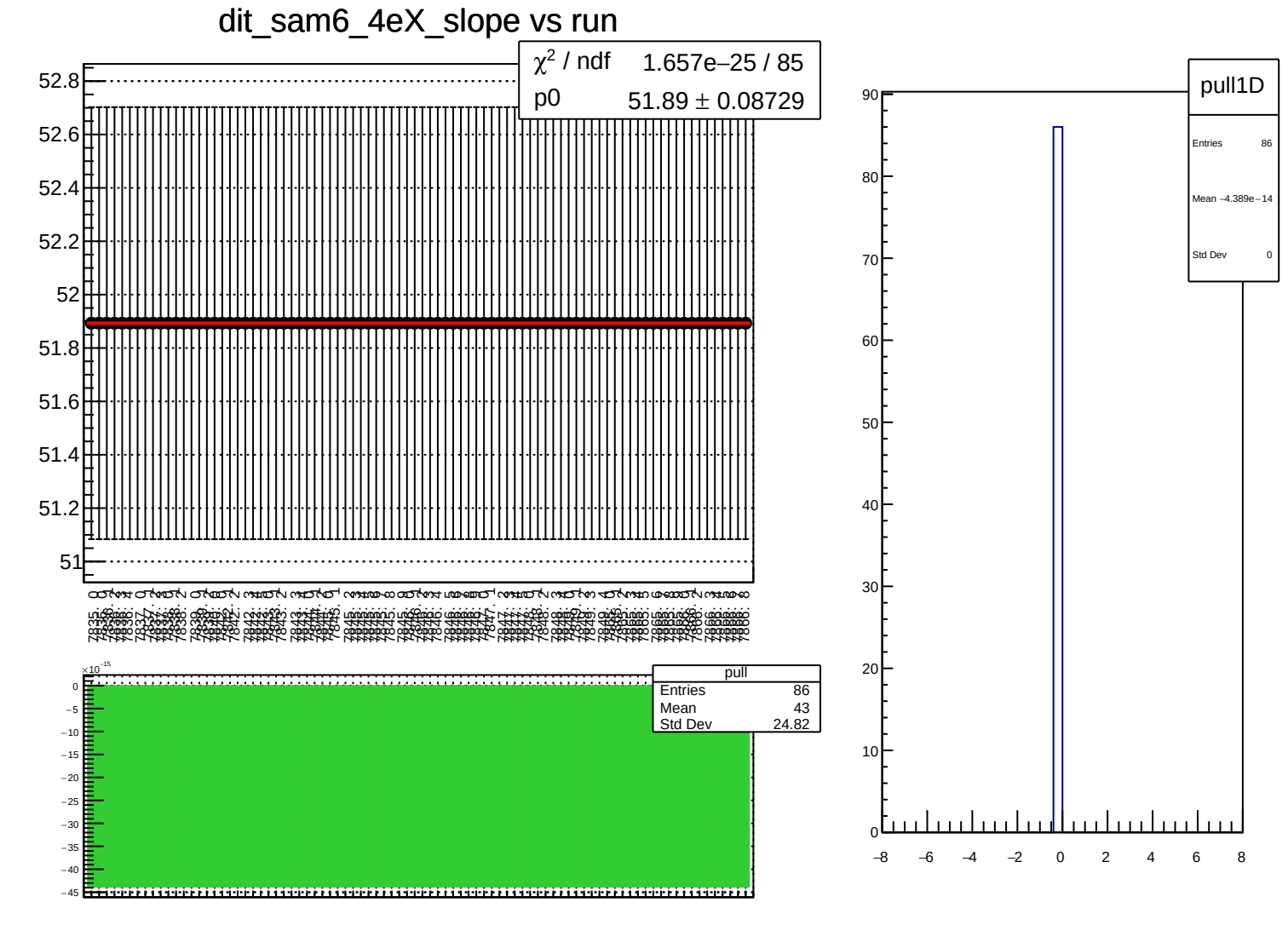

dit_sam5_11X12X_slope vs run
χ^2 / ndf 3.721e−27 / 85
p0 0.2323 ± 0.01274
0.35
0.3
0.25
0.2
0.15
0.1
pull
Entries 86
Mean 43
Std Dev 24.82
×10^-15
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 86
Mean −6.578e−15
Std Dev3.087e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

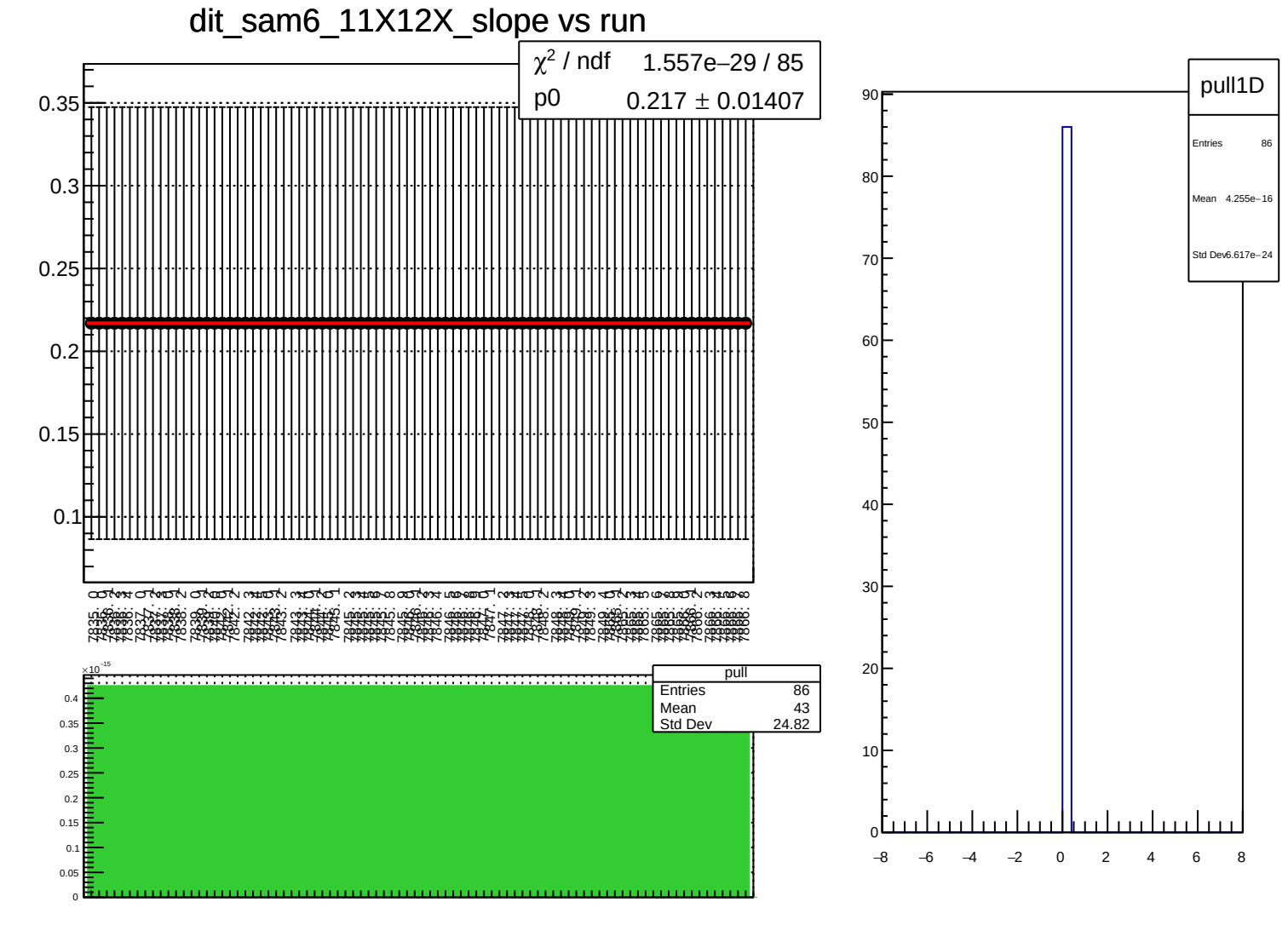

dit_sam5_4aY_slope vs run
χ² / ndf 4.382e−26 / 85
p0 31.55 ± 0.3225
pull
Entries 86
Mean 43
Std Dev 24.82

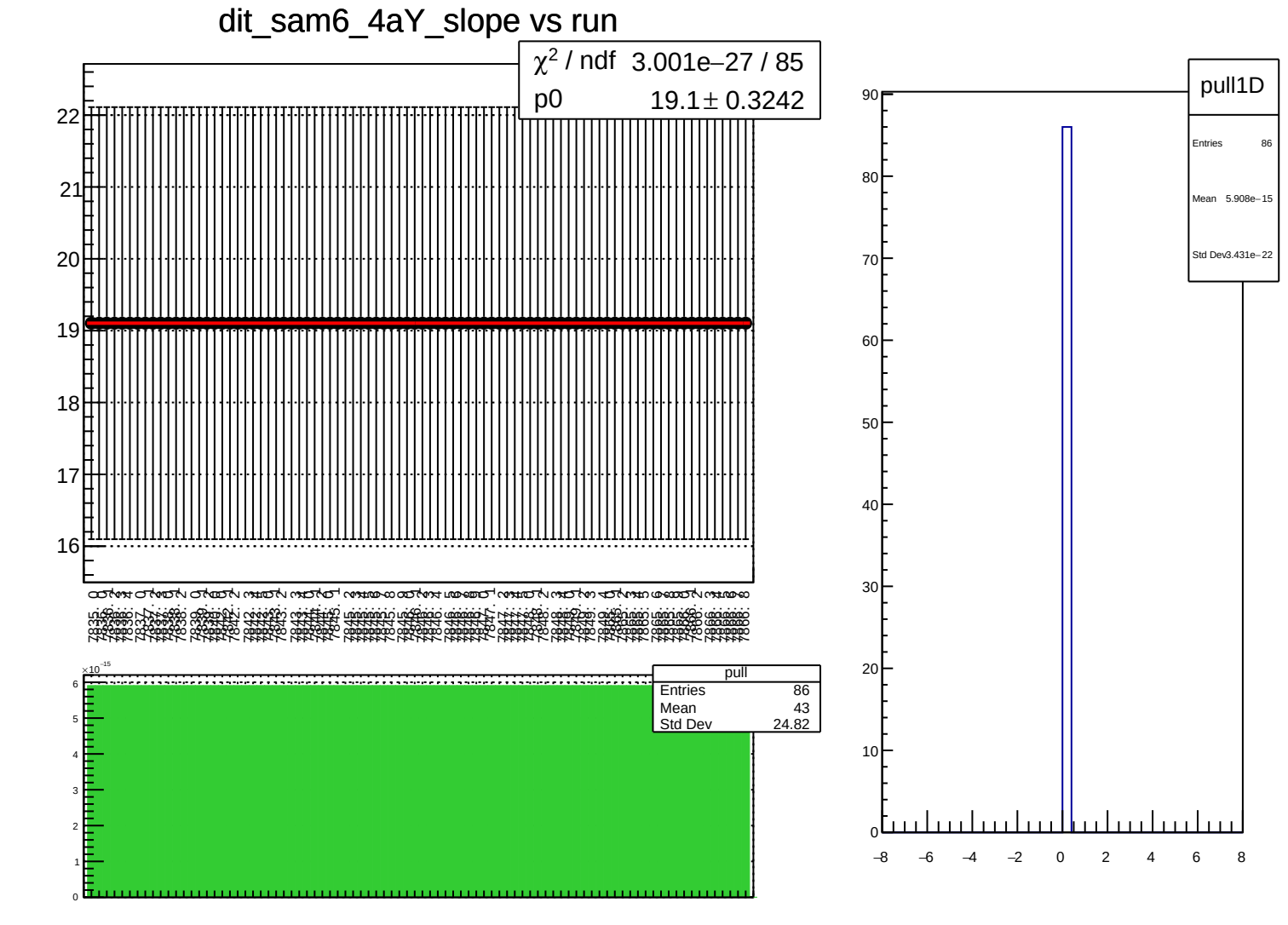

pull1D
Entries 86
Mean −2.257e−14
Std Dev7.923e−22

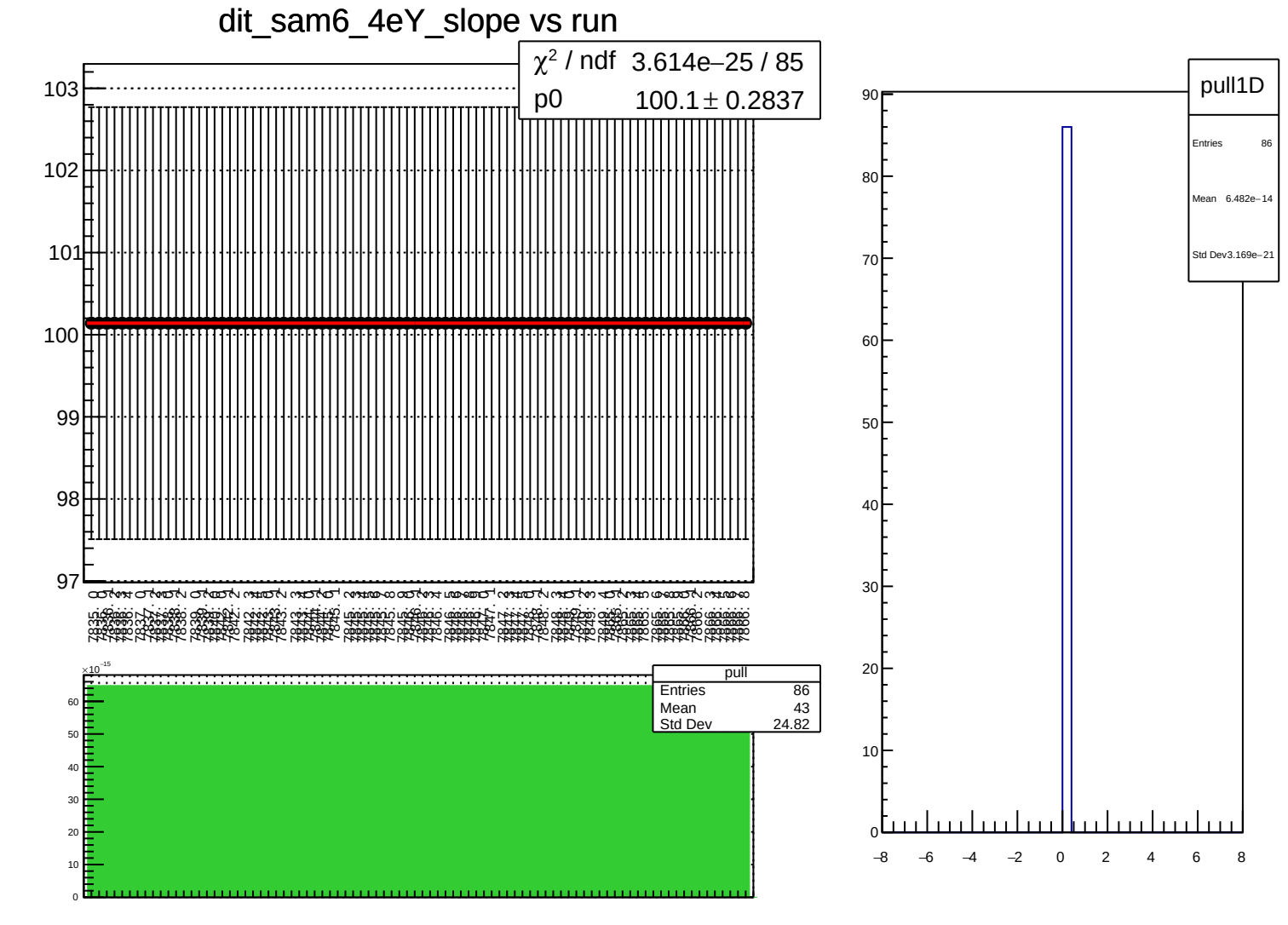

dit_sam5_4eY_slope vs run
χ^2 / ndf 2.227e−24 / 85
p0 130.4 ± 0.2095
132.5
132
131.5
131
130.5
130
129.5
129
128.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 86
Mean −1.609e−13
Std Dev6.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

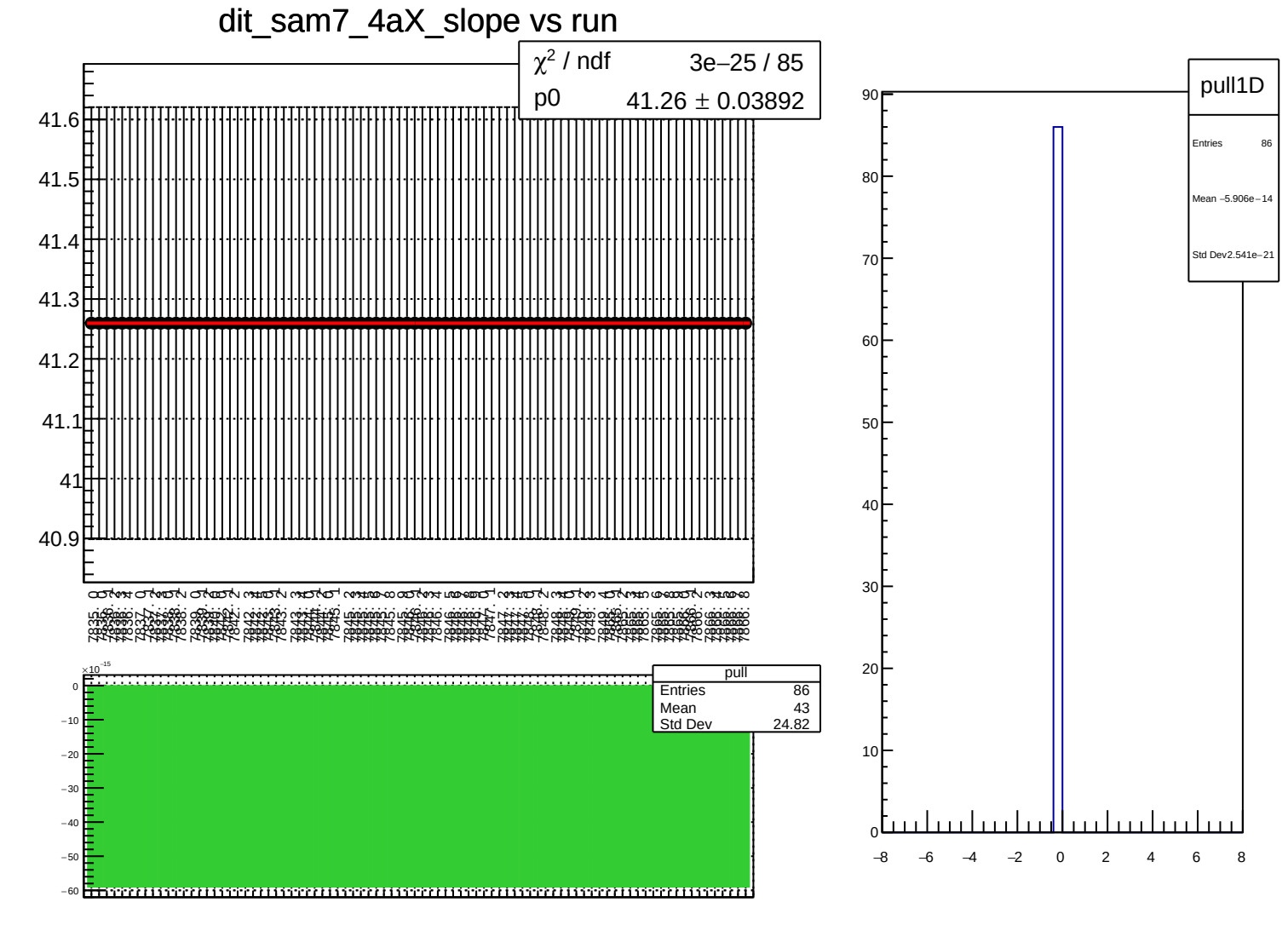

dit_sam6_4aX_slope vs run
χ² / ndf 2.278e−27 / 85
p0 13.98 ± 0.1116
15
14.5
14
13.5
13
×10⁻¹⁵
5
4
3
2
1
0
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 5.147e−15
Std Dev 3.348e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

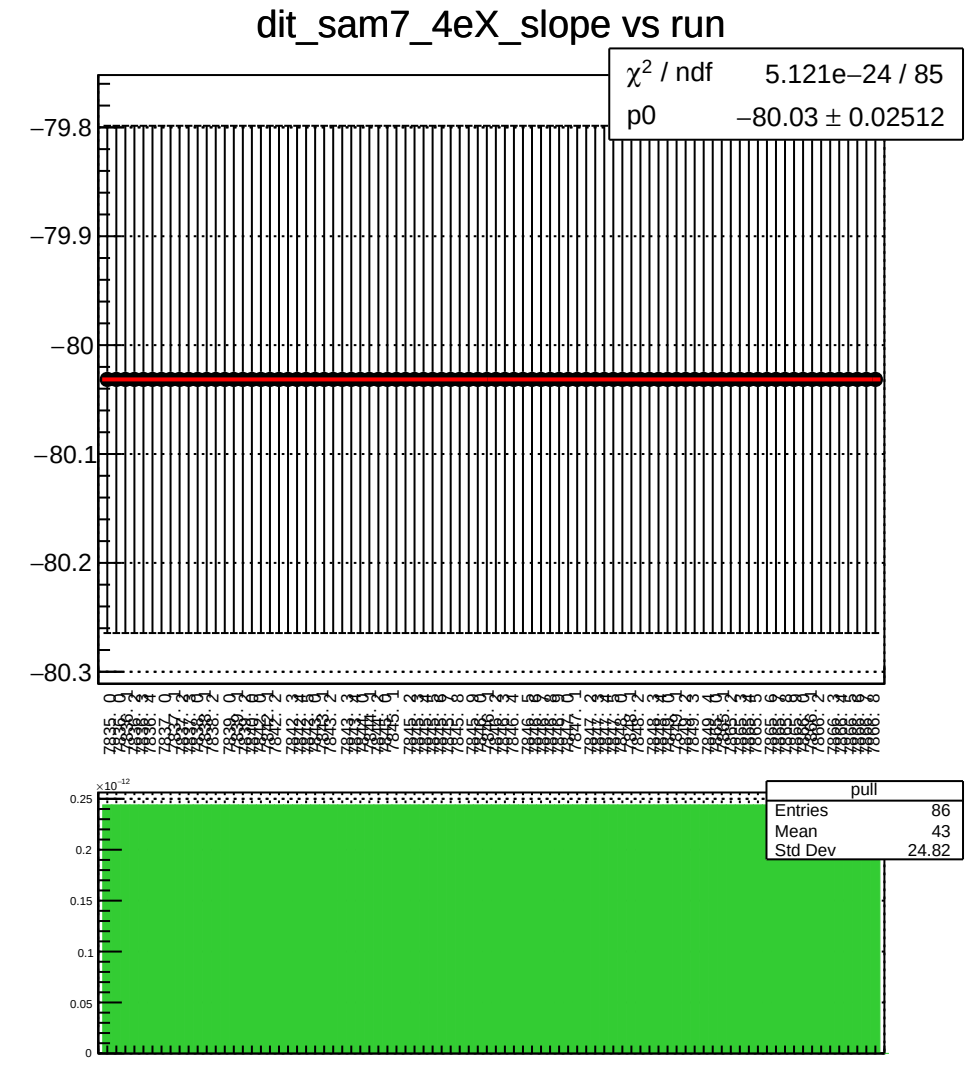

dit_sam6_4eX_slope vs run
χ² / ndf 1.657e−25 / 85
p0 51.89 ± 0.08729
52.8
52.6
52.4
52.2
52
51.8
51.6
51.4
51.2
51
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
pull1D
Entries 86
Mean −4.389e−14
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

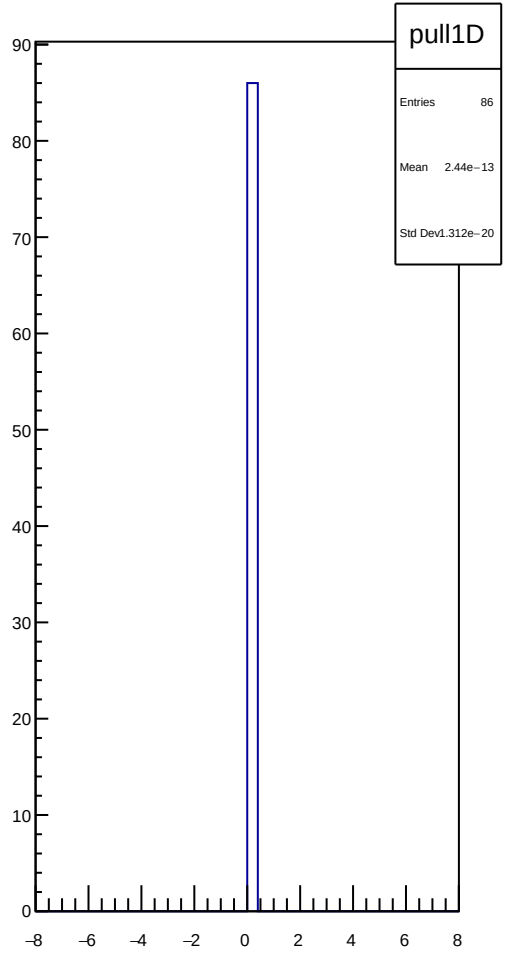

dit_sam6_11X12X_slope vs run
χ² / ndf 1.557e−29 / 85
p0 0.217 ± 0.01407
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 4.255e−16
Std Dev 6.617e−24

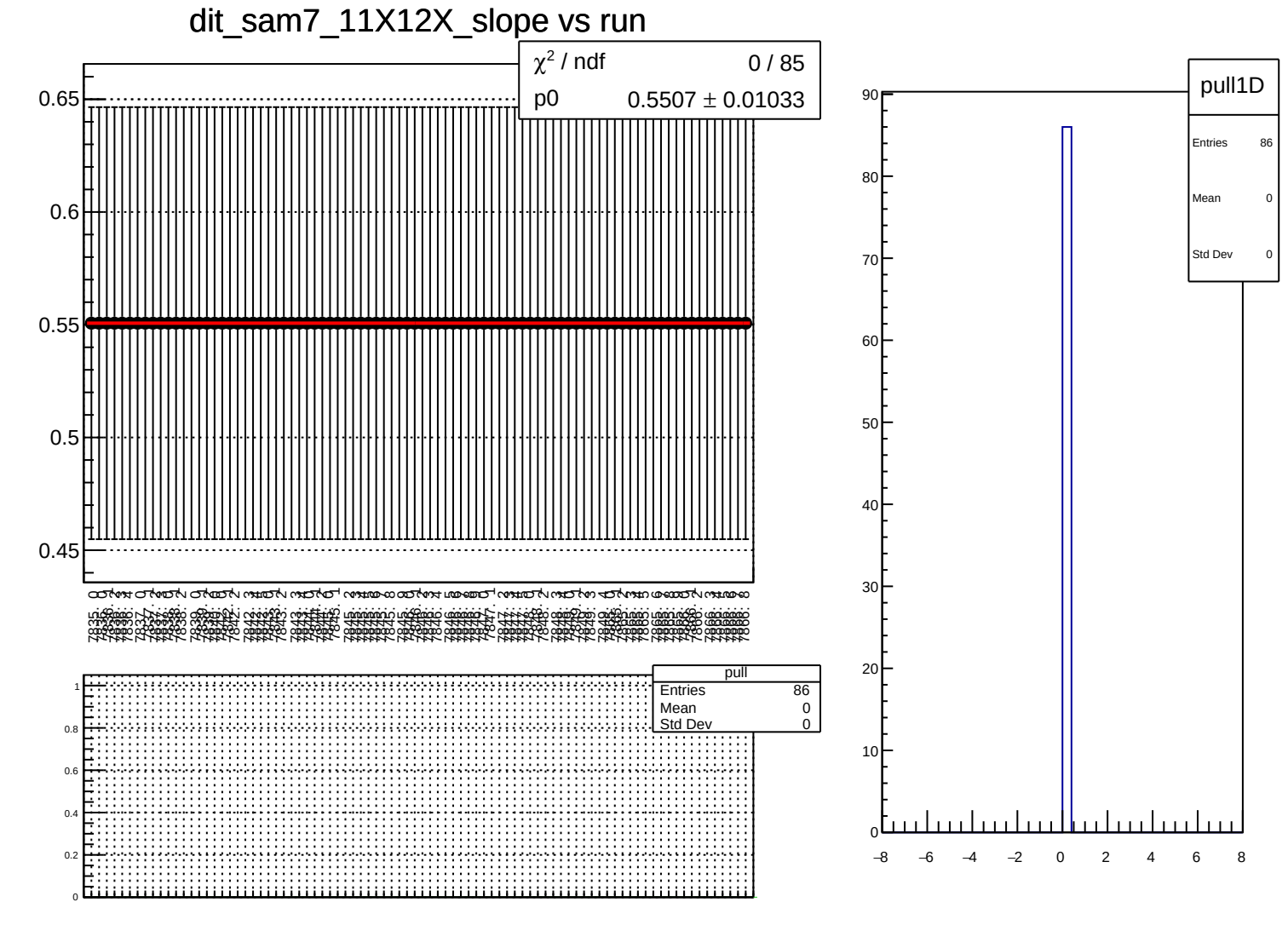

dit_sam6_4aY_slope vs run
χ² / ndf 3.001e−27 / 85
p0 19.1 ± 0.3242
22
21
20
19
18
17
16
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
6
5
4
3
2
1
0
pull1D
Entries 86
Mean 5.908e−15
Std Dev 3.431e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

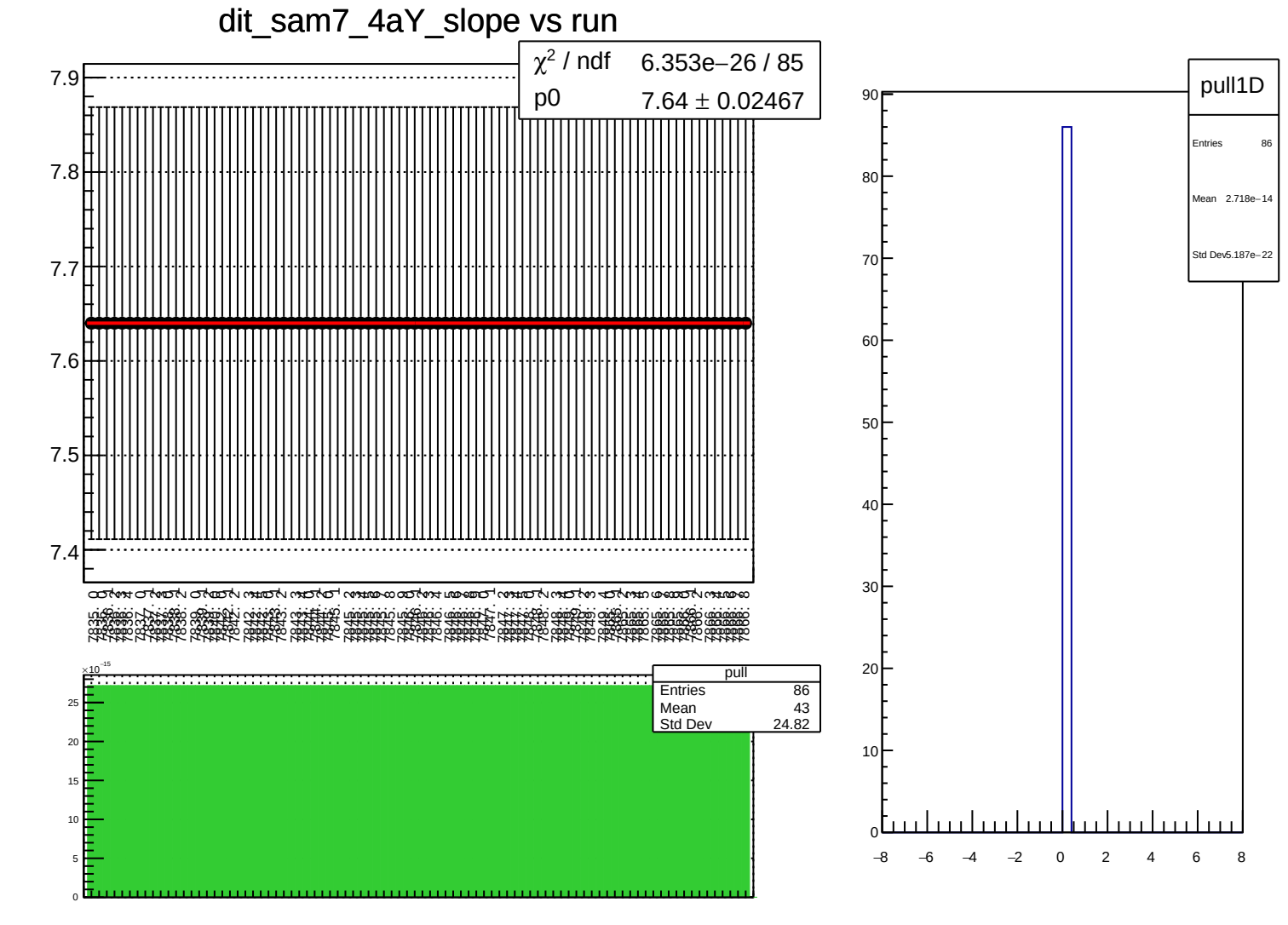

dit_sam6_4eY_slope vs run
χ² / ndf 3.614e−25 / 85
p0 100.1 ± 0.2837
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 6.482e−14
Std Dev3.169e−21

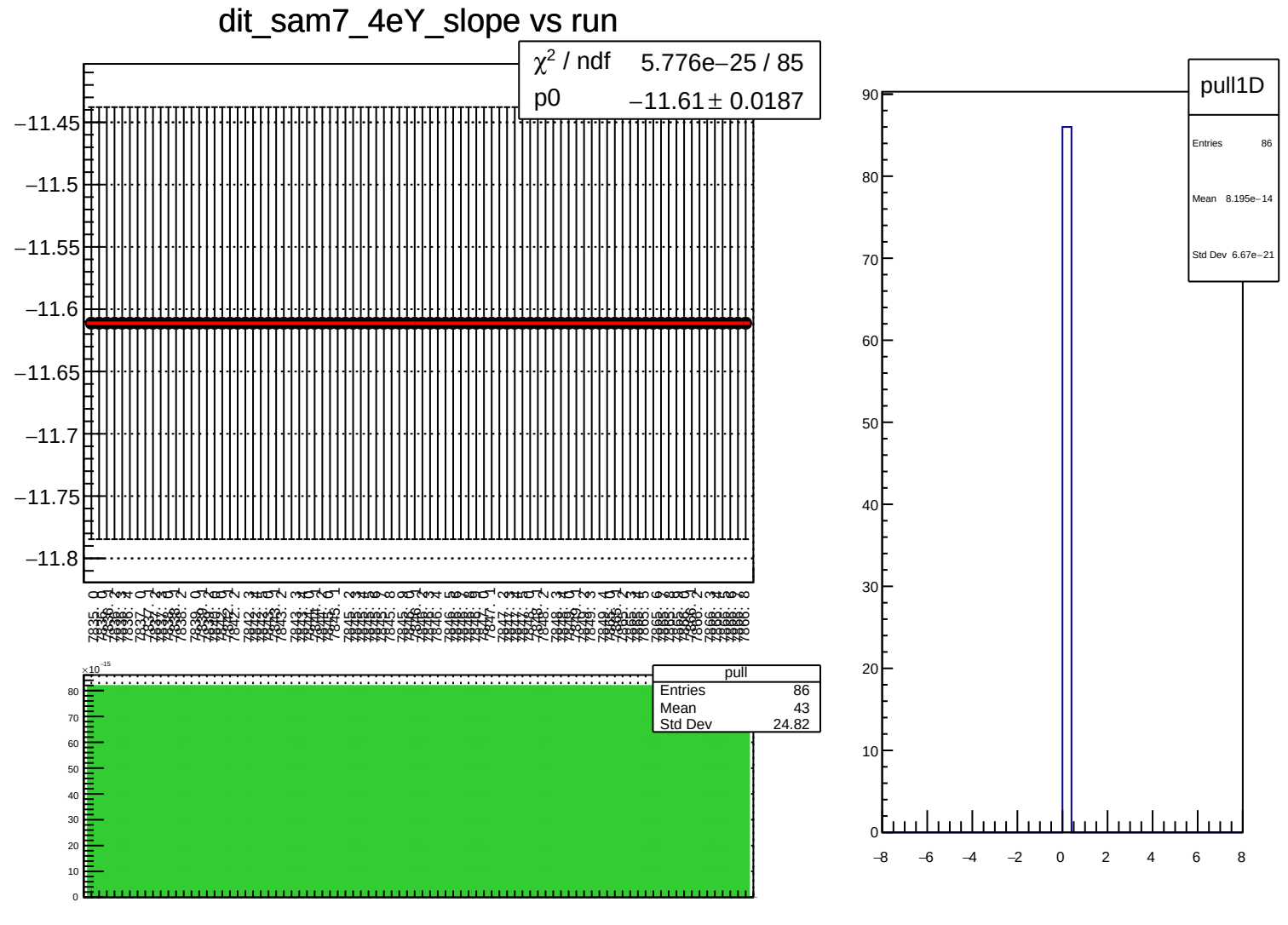

dit_sam7_4aX_slope vs run
χ² / ndf 3e−25 / 85
p0 41.26 ± 0.03892
41.6
41.5
41.4
41.3
41.2
41.1
41
40.9
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 86
Mean −5.906e−14
Std Dev2.541e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

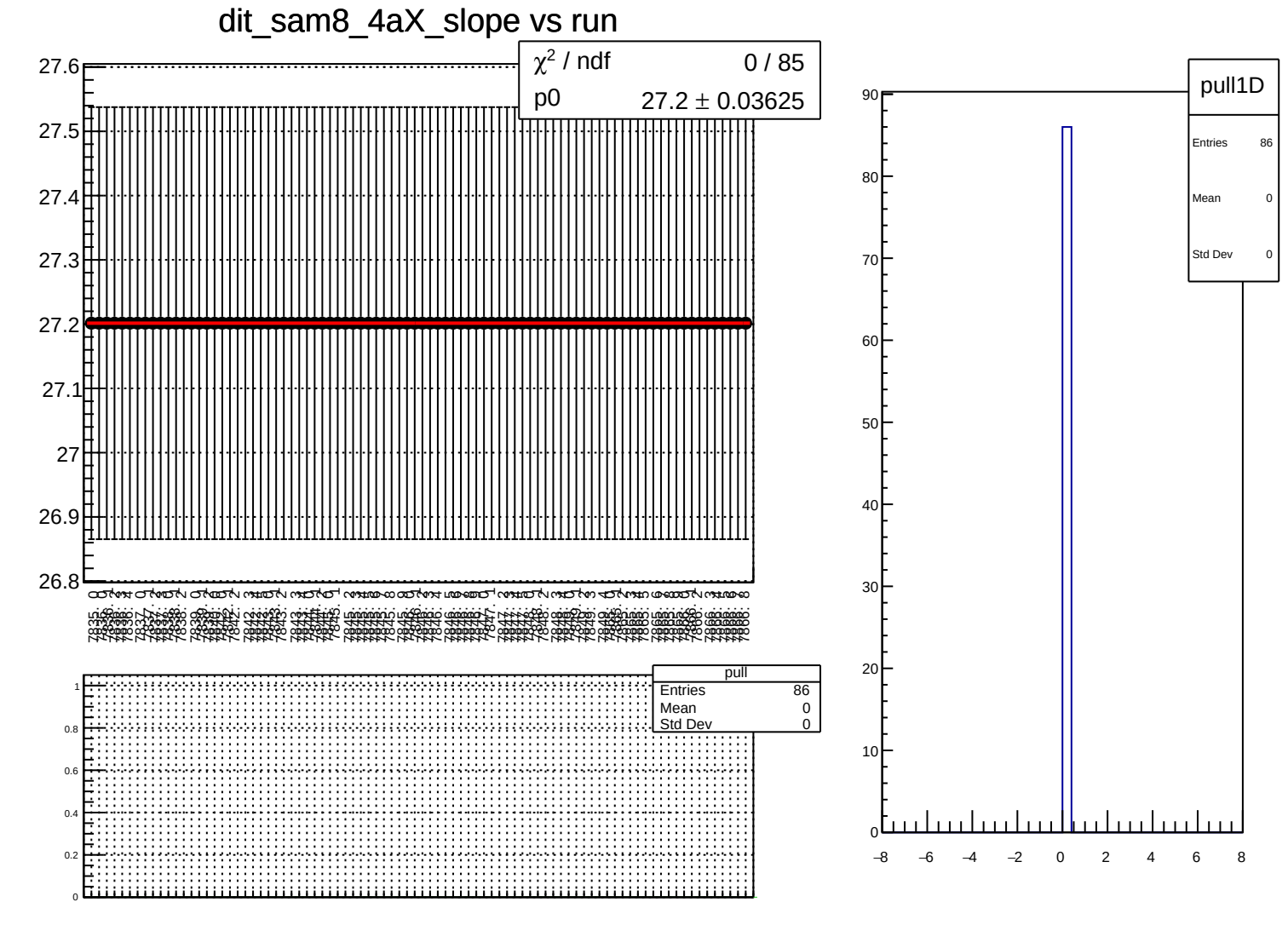

dit_sam7_4eX_slope vs run
χ² / ndf 5.121e−24 / 85
p0 −80.03 ± 0.02512
−79.8
−79.9
−80
−80.1
−80.2
−80.3
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

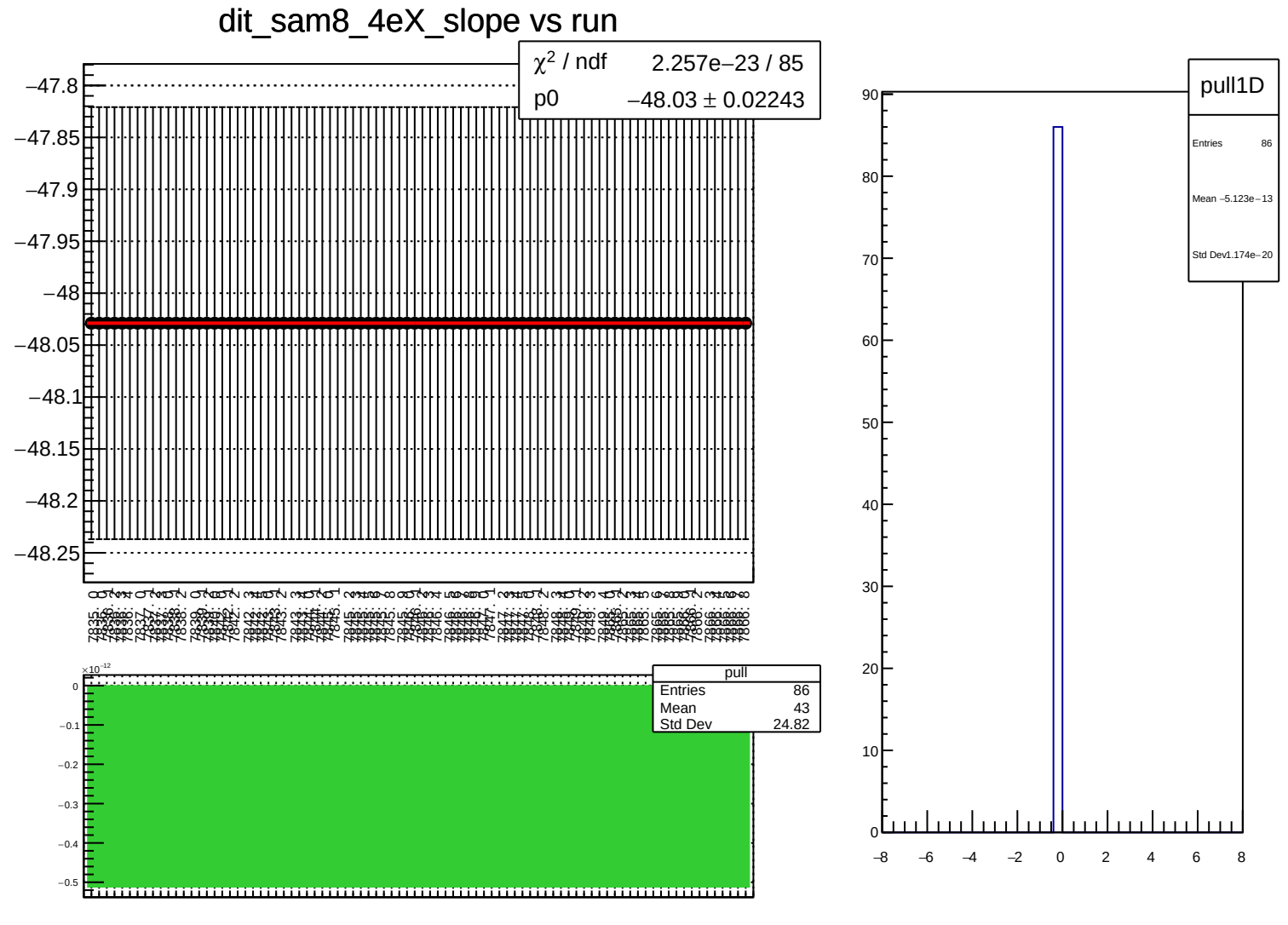

pull1D
Entries 86
Mean 2.44e−13
Std Dev 1.312e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

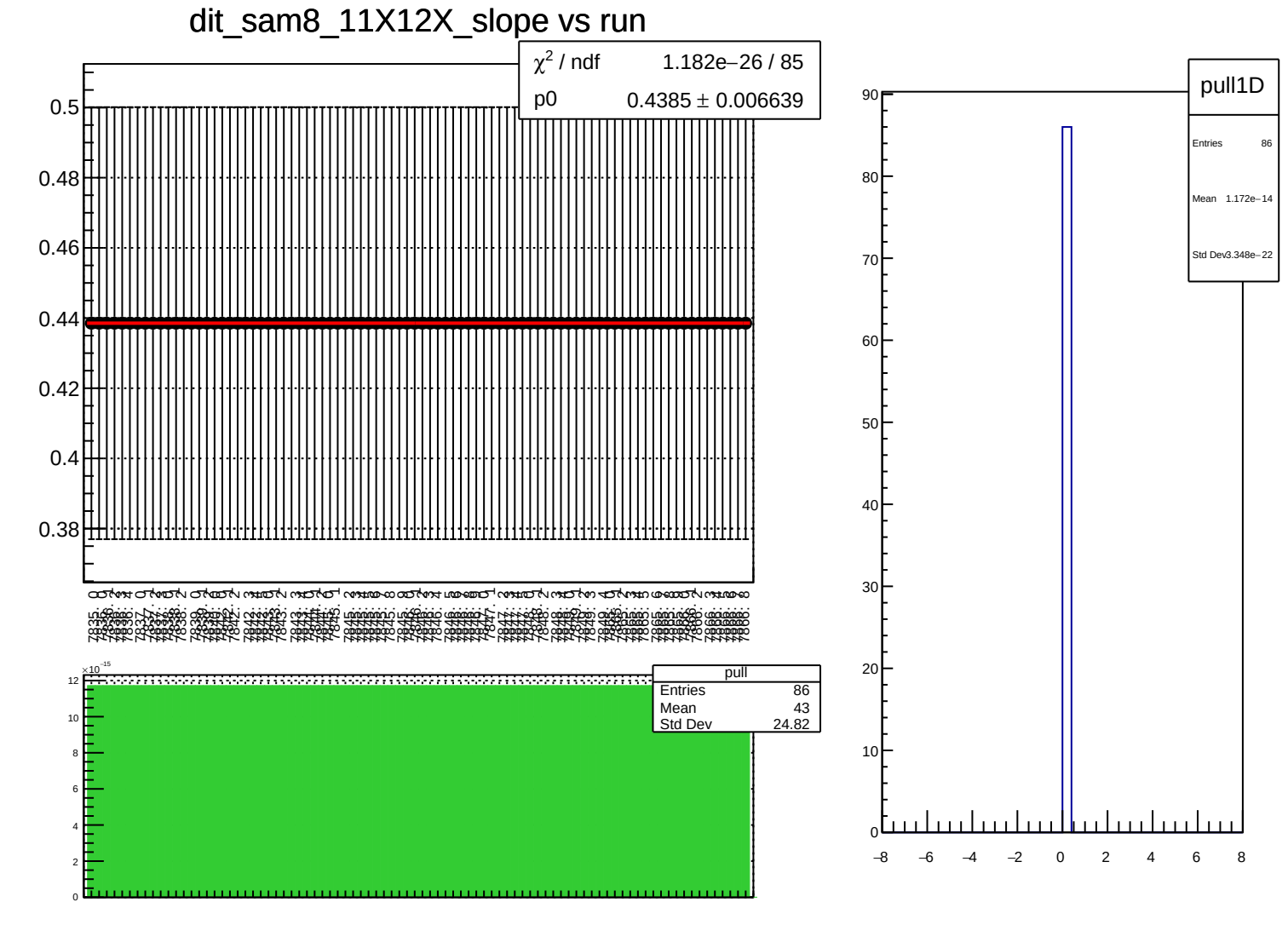

dit_sam7_11X12X_slope vs run
χ² / ndf 0 / 85
p0 0.5507 ± 0.01033
0.65
0.6
0.55
0.5
0.45
pull
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 86
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

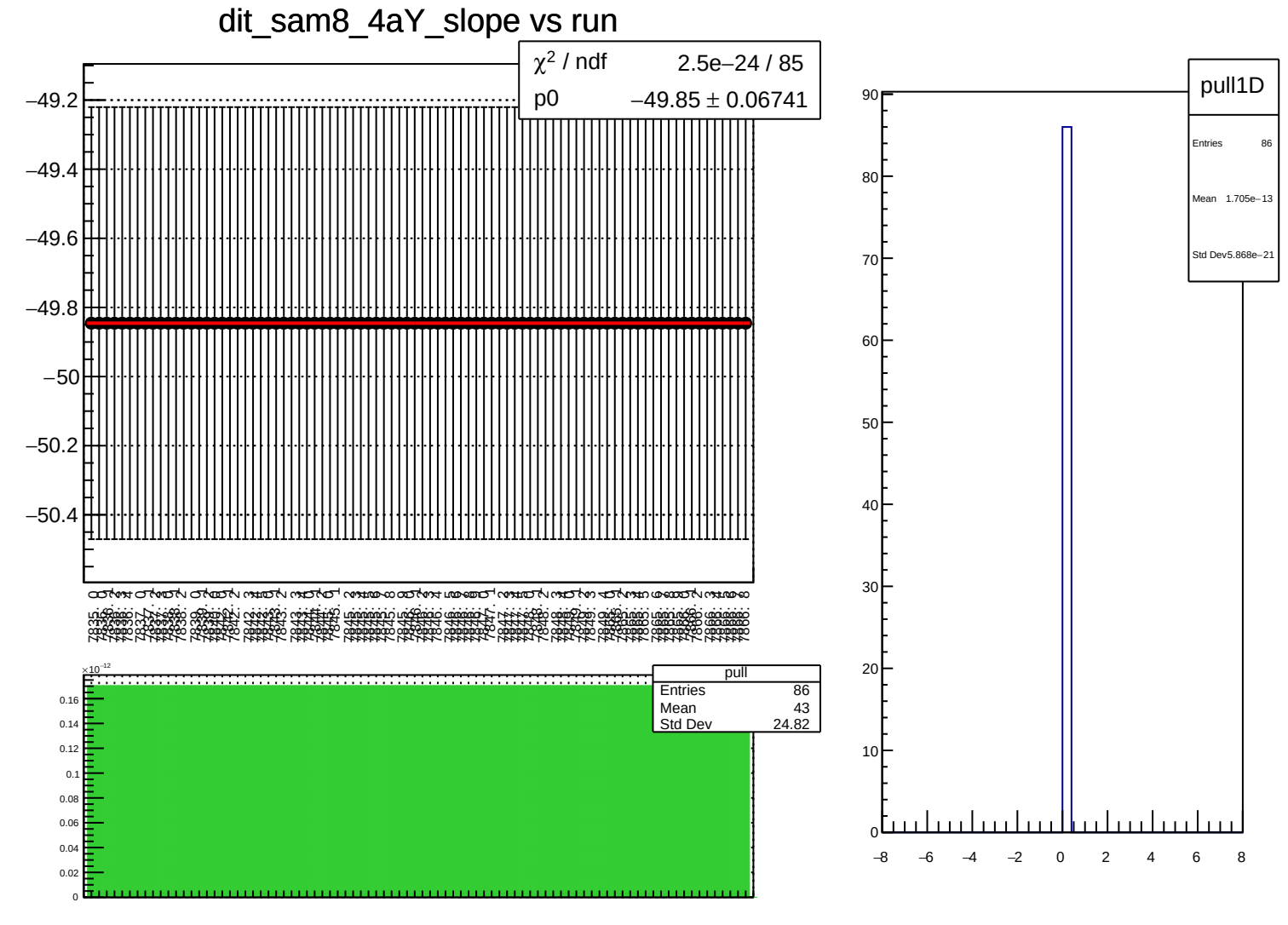

dit_sam7_4aY_slope vs run
χ² / ndf 6.353e−26 / 85
p0 7.64 ± 0.02467
7.9
7.8
7.7
7.6
7.5
7.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 86
Mean 2.718e−14
Std Dev 5.187e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

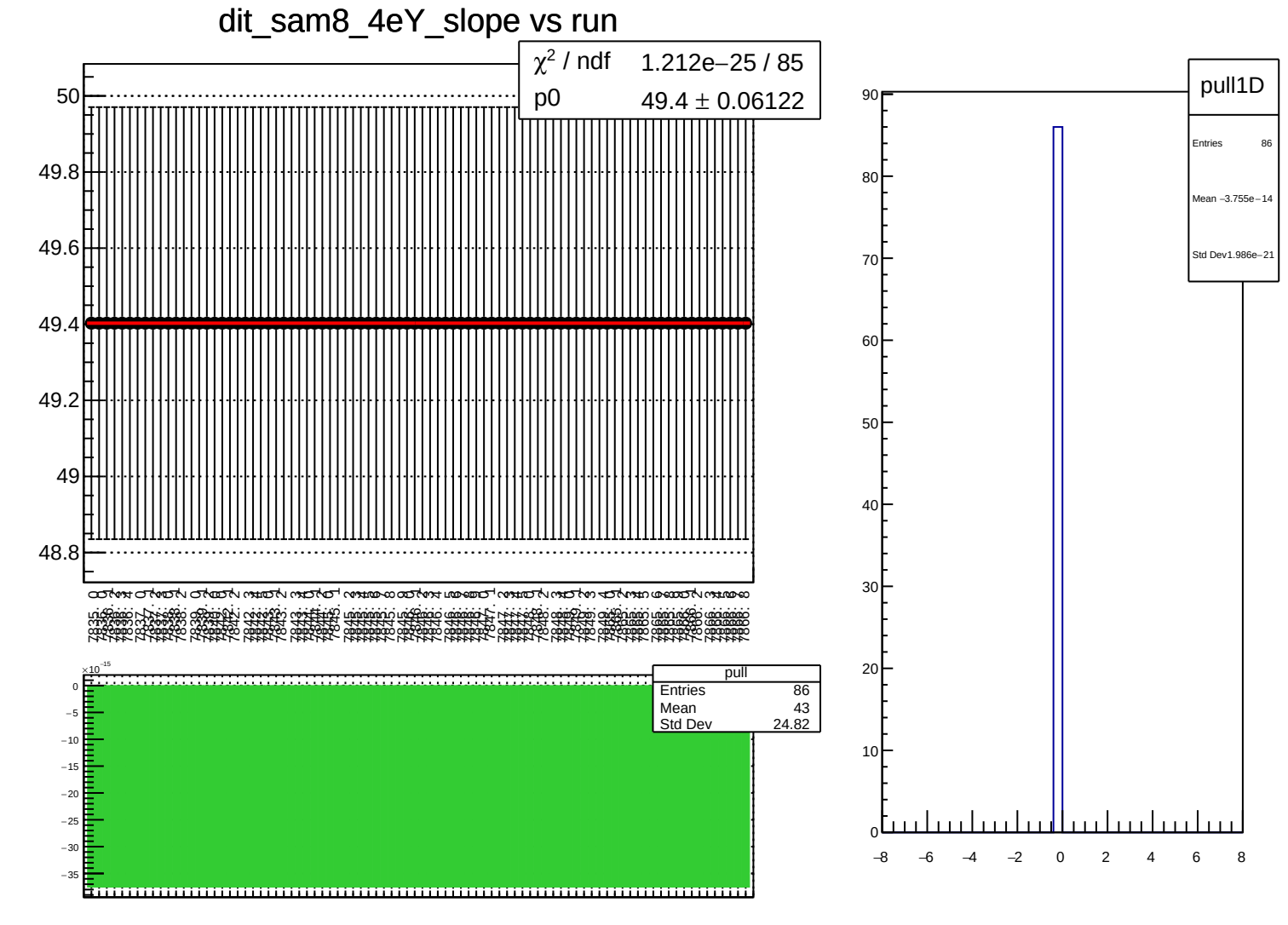

dit_sam7_4eY_slope vs run
χ² / ndf 5.776e−25 / 85
p0 −11.61 ± 0.0187
−11.45
−11.5
−11.55
−11.6
−11.65
−11.7
−11.75
−11.8
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 8.195e−14
Std Dev 6.67e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

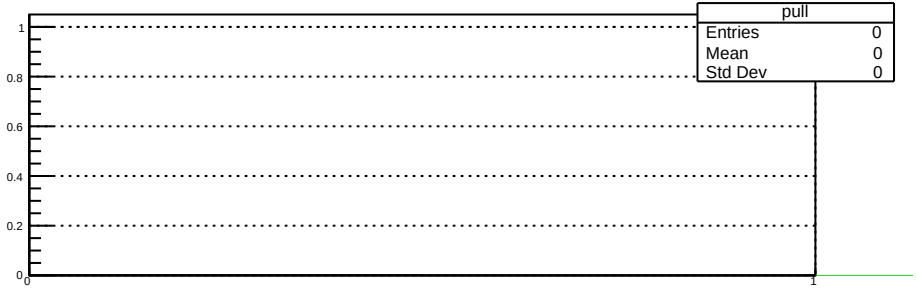

dit_sam8_4aX_slope vs run
χ² / ndf 0 / 85
p0 27.2 ± 0.03625
pull
Entries 86
Mean 0
Std Dev 0
pull1D
Entries 86
Mean 0
Std Dev 0

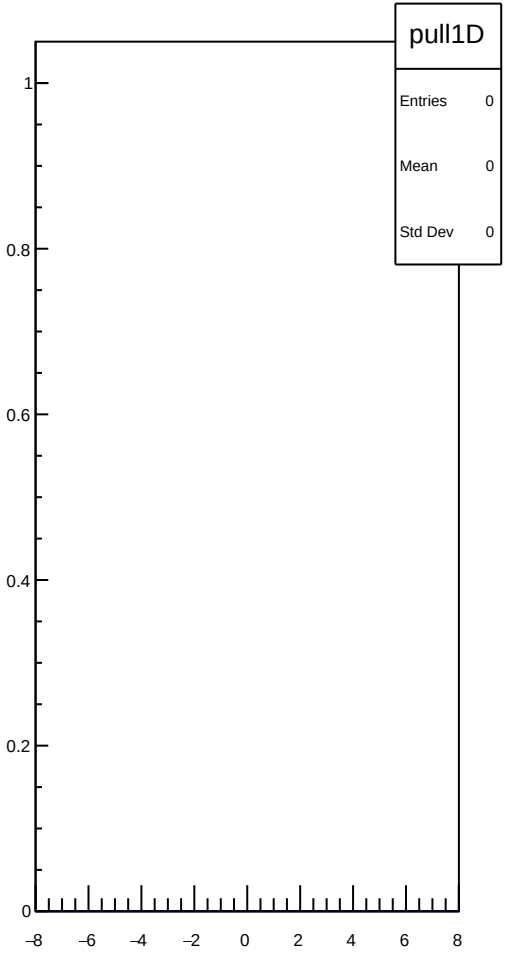

dit_sam8_4eX_slope vs run
χ² / ndf 2.257e−23 / 85
p0 −48.03 ± 0.02243
−47.8
−47.85
−47.9
−47.95
−48
−48.05
−48.1
−48.15
−48.2
−48.25
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
pull1D
Entries 86
Mean −5.123e−13
Std Dev1.174e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

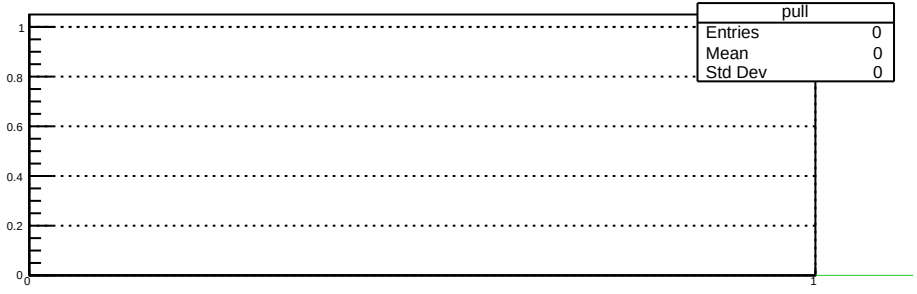

dit_sam8_11X12X_slope vs run
χ² / ndf 1.182e−26 / 85
p0 0.4385 ± 0.006639
0.5
0.48
0.46
0.44
0.42
0.4
0.38
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
12
10
8
6
4
2
0
pull1D
Entries 86
Mean 1.172e−14
Std Dev 3.348e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

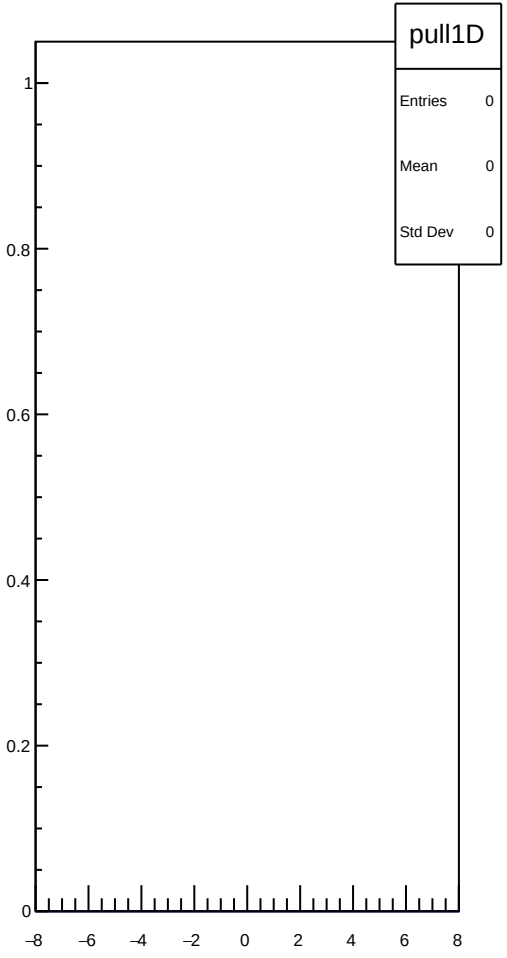

dit_sam8_4aY_slope vs run
χ² / ndf 2.5e−24 / 85
p0 −49.85 ± 0.06741
−49.2
−49.4
−49.6
−49.8
−50
−50.2
−50.4
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.705e−13
Std Dev5.868e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

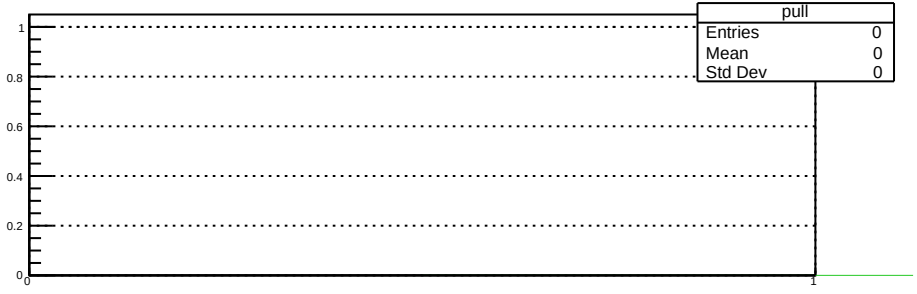

dit_sam8_4eY_slope vs run
χ² / ndf 1.212e−25 / 85
p0 49.4 ± 0.06122
50
49.8
49.6
49.4
49.2
49
48.8
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 86
Mean −3.755e−14
Std Dev1.986e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8


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
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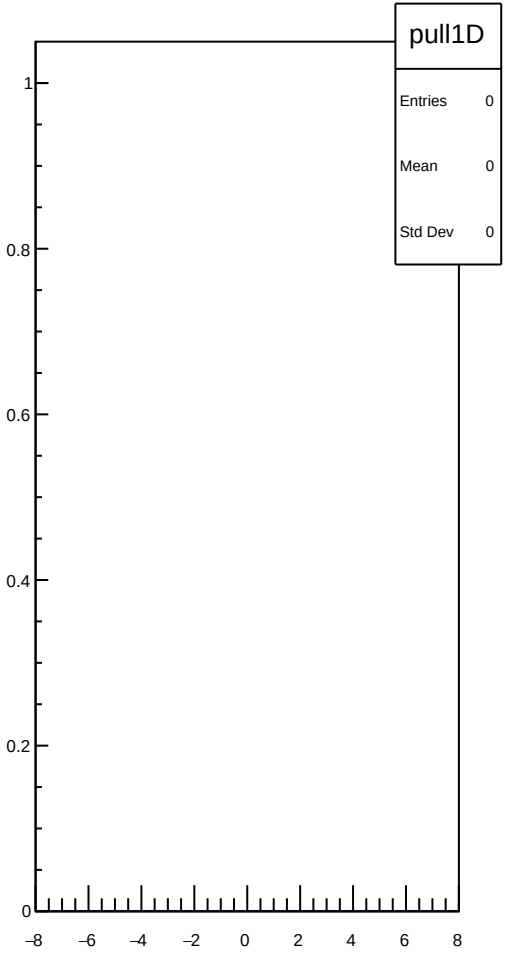
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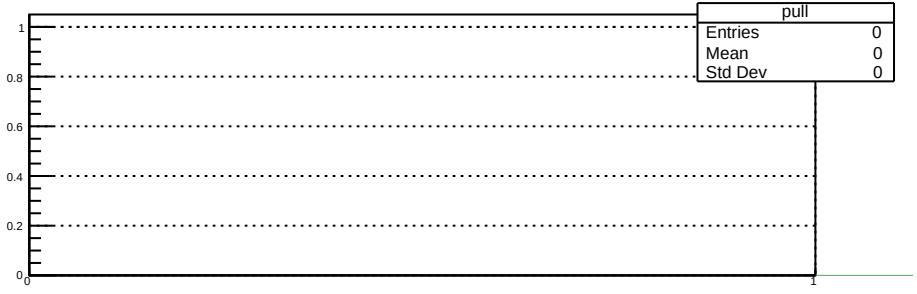
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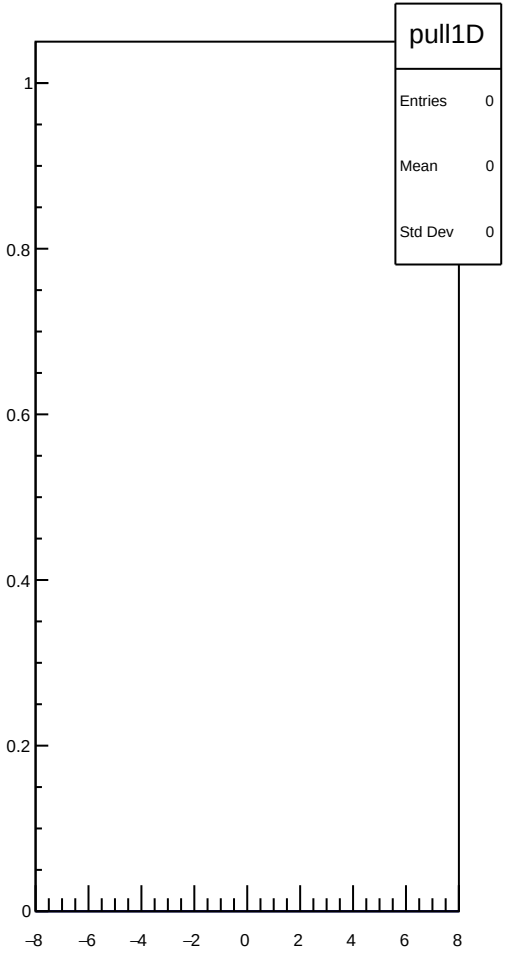
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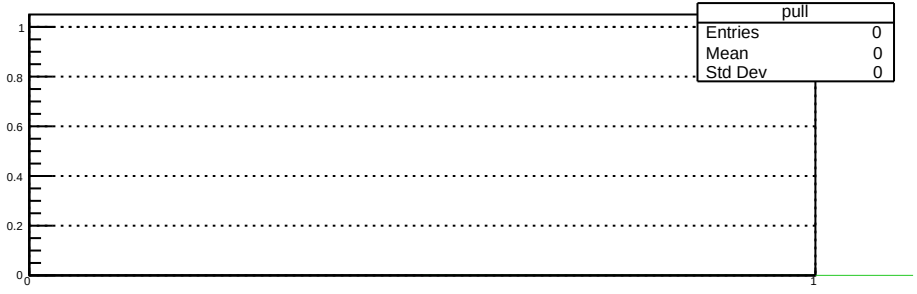
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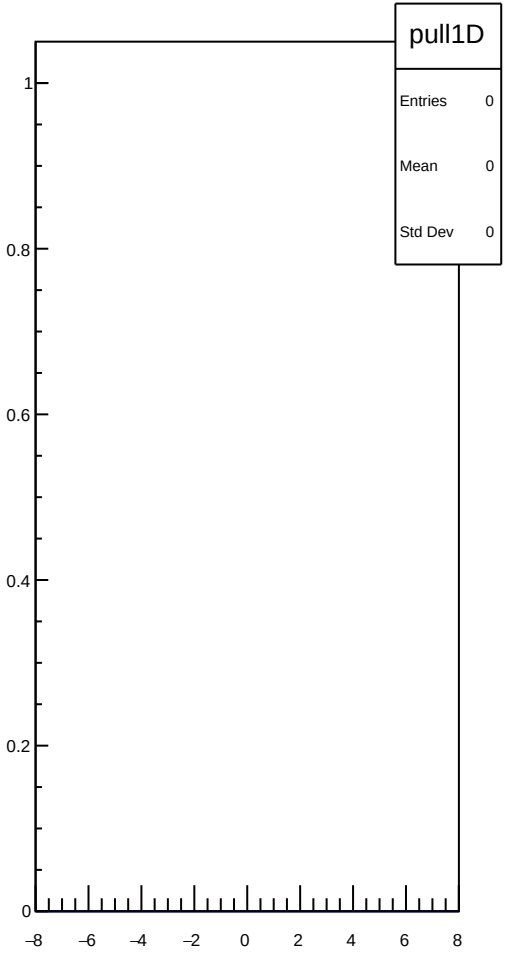
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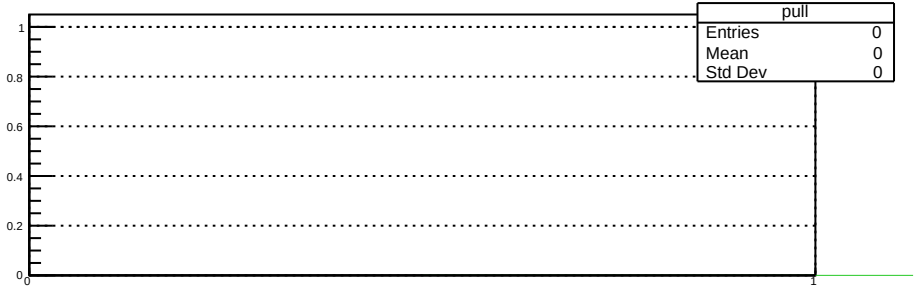
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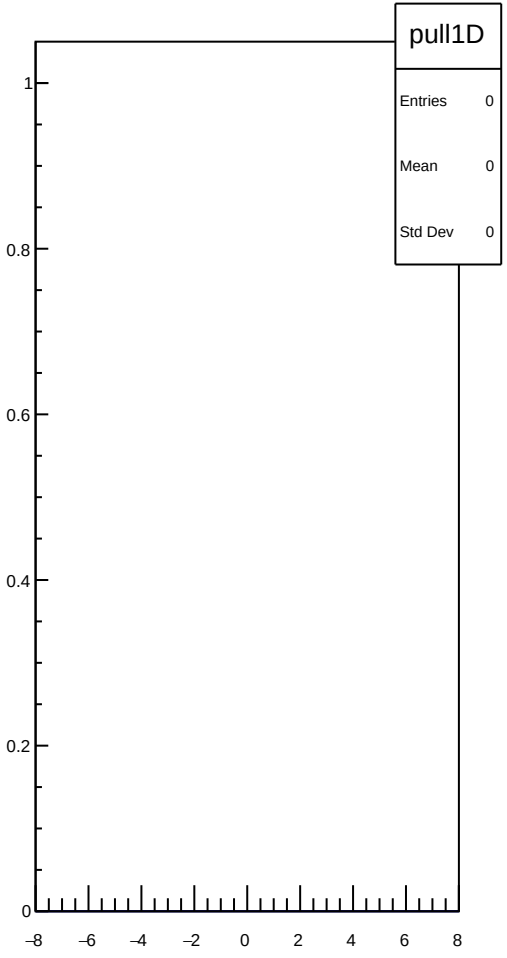
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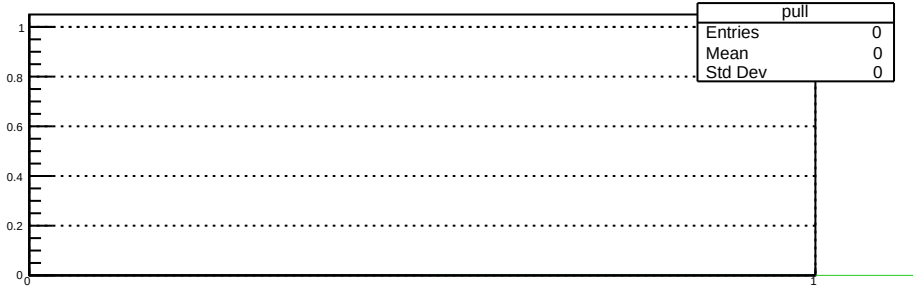
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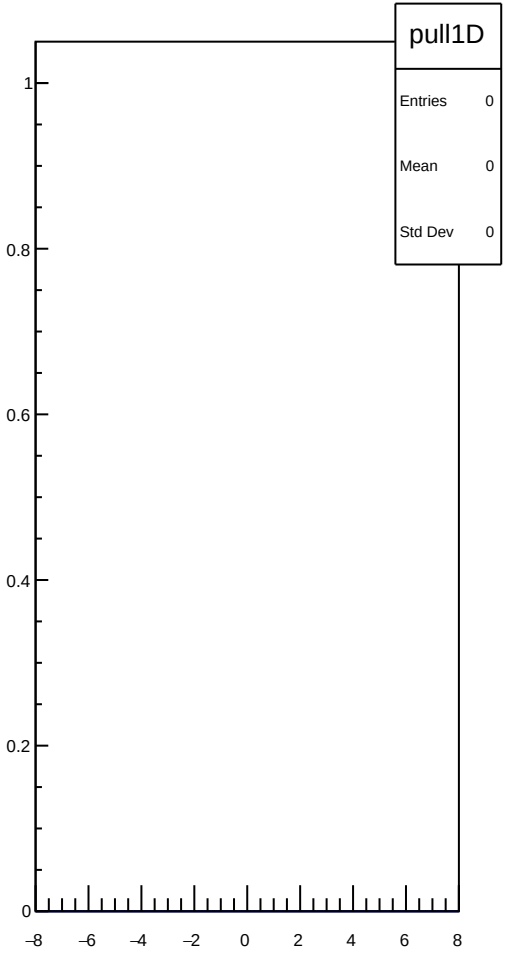
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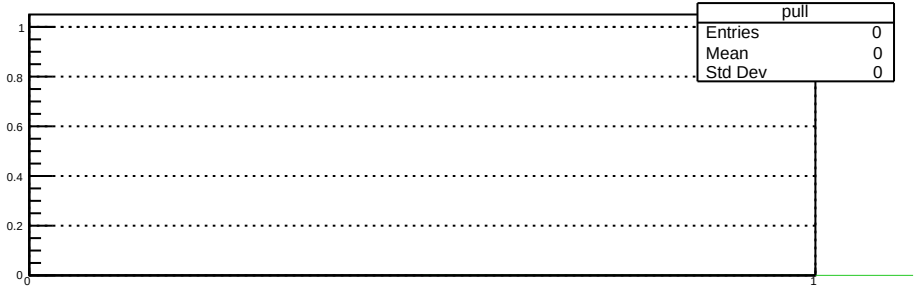
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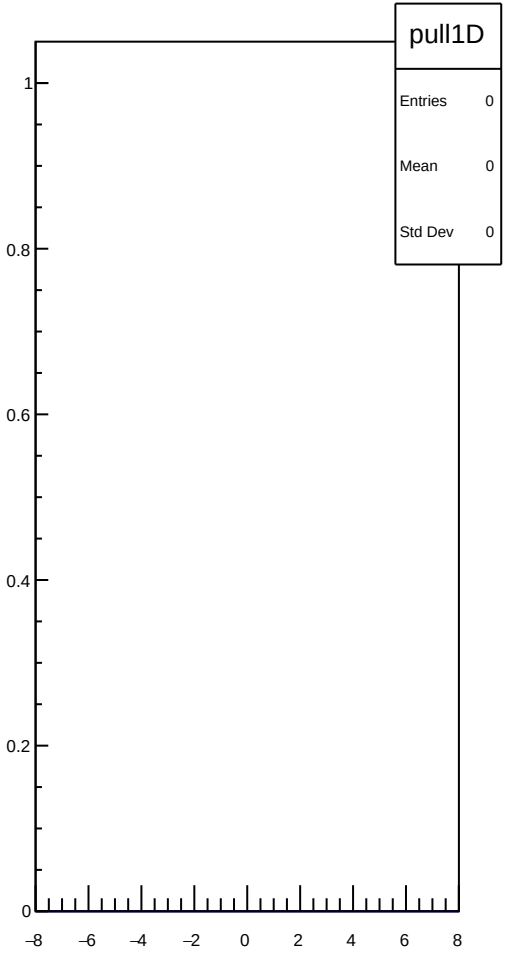
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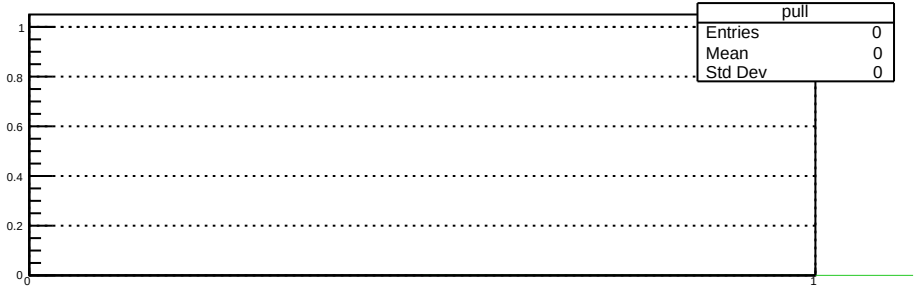
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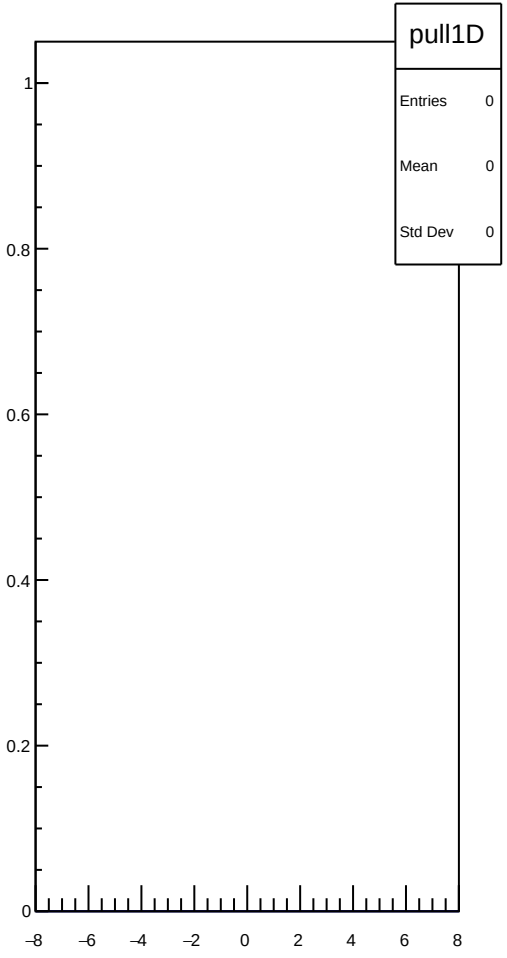
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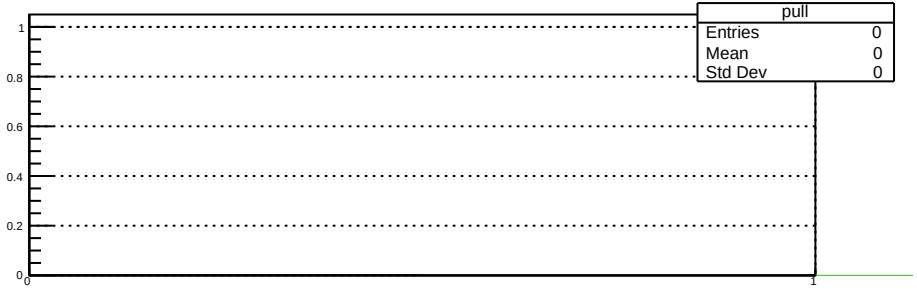
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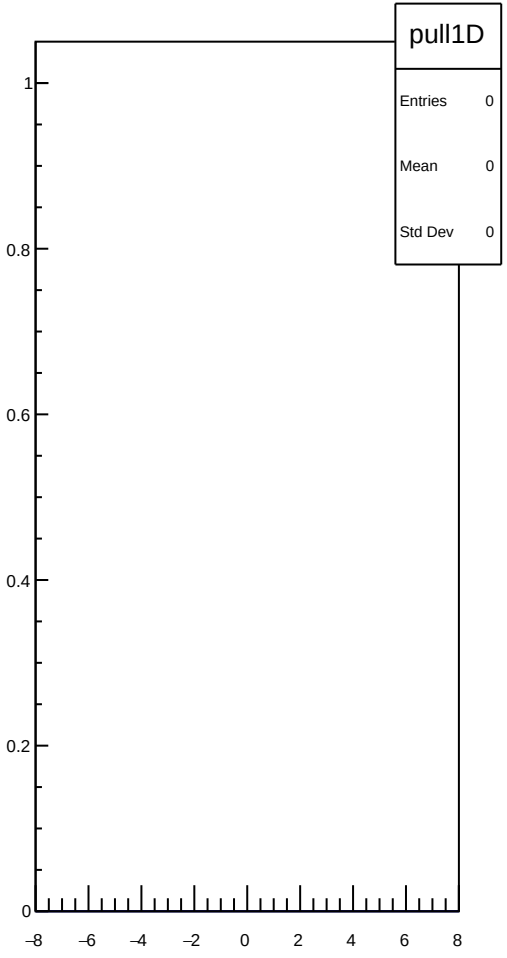
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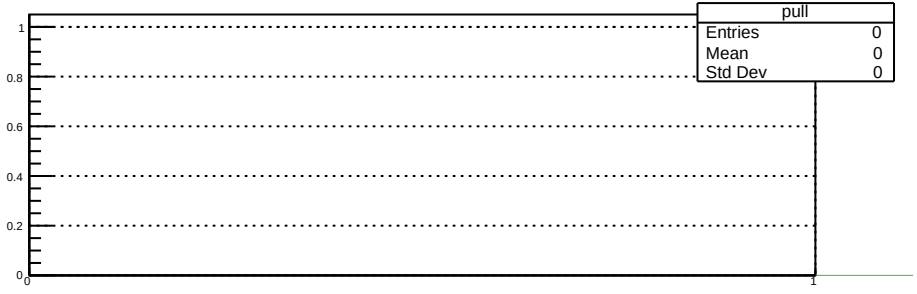
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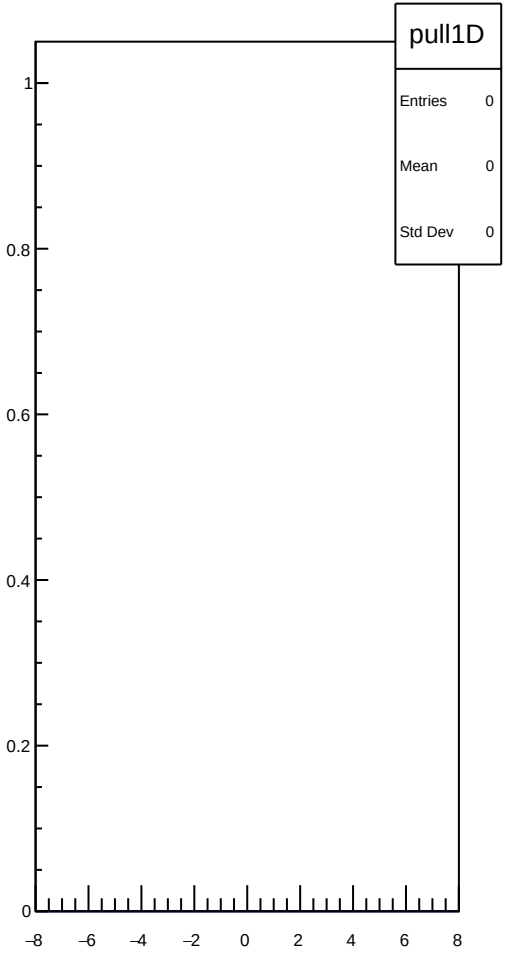
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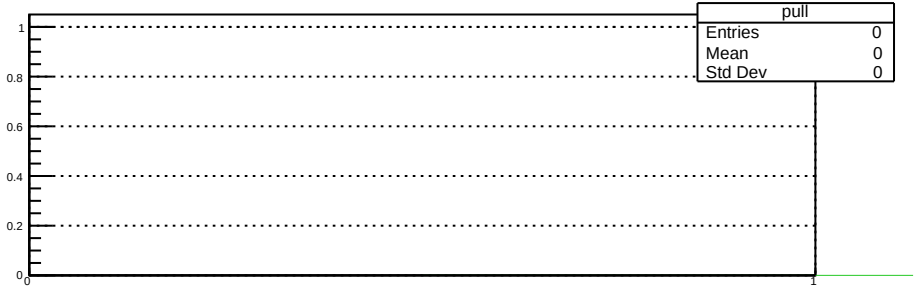
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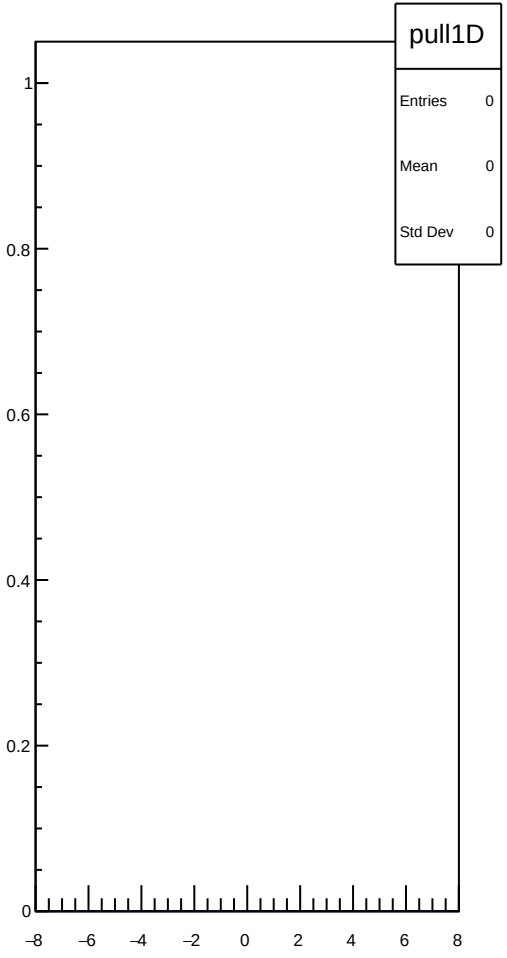
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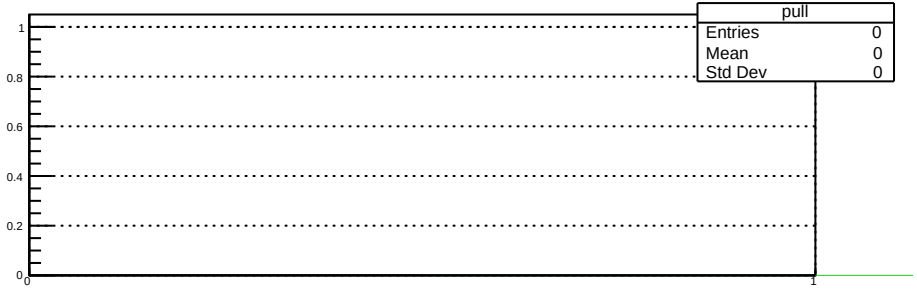
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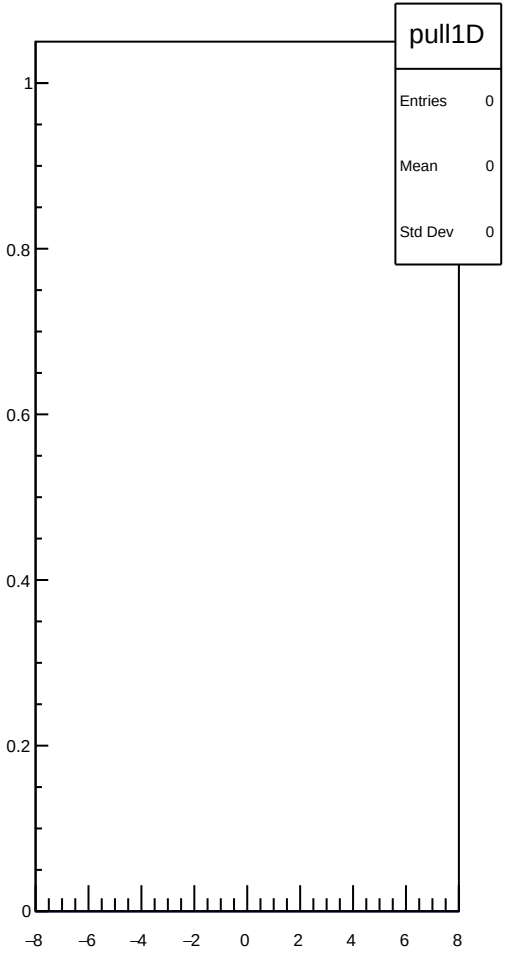
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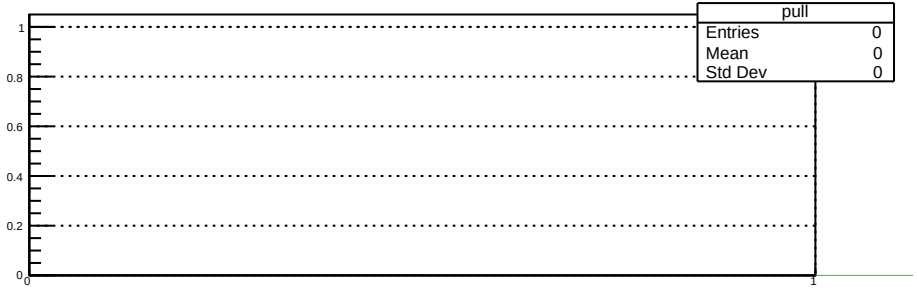
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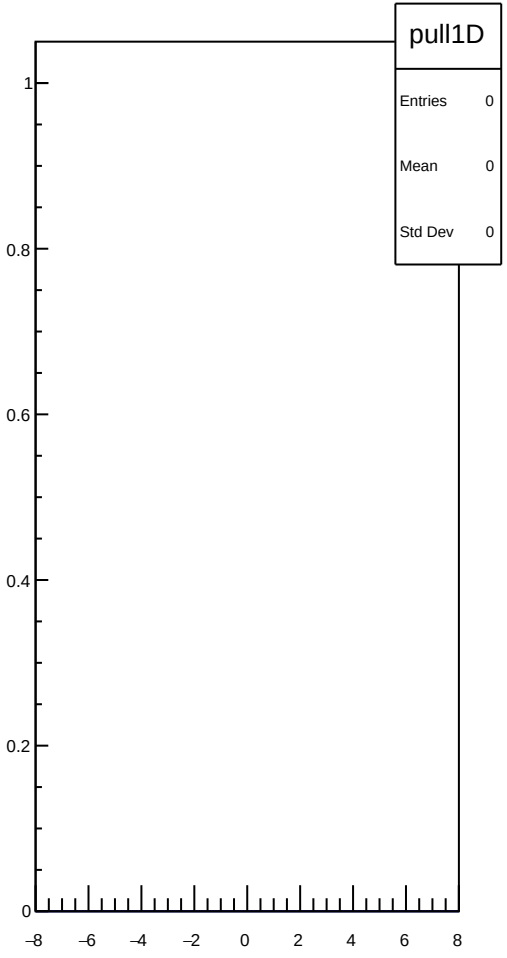
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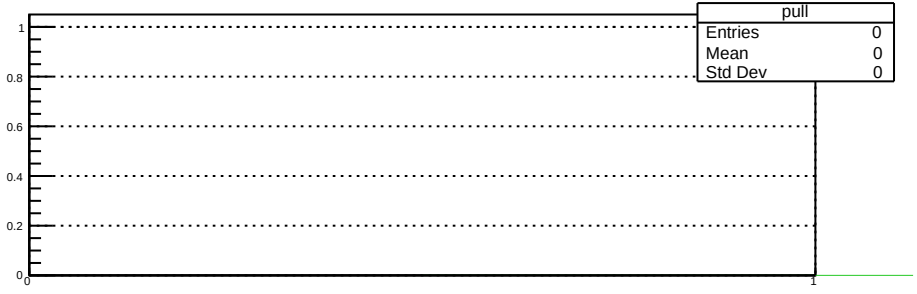
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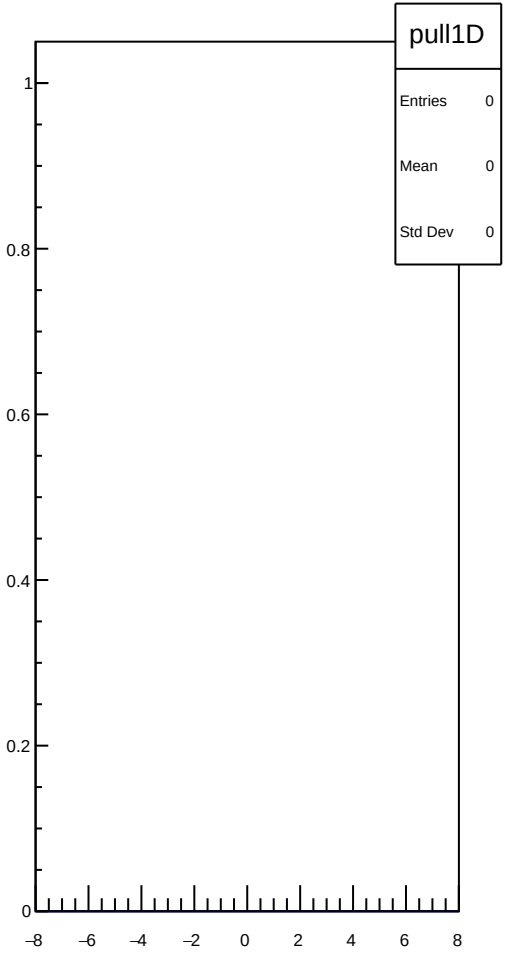
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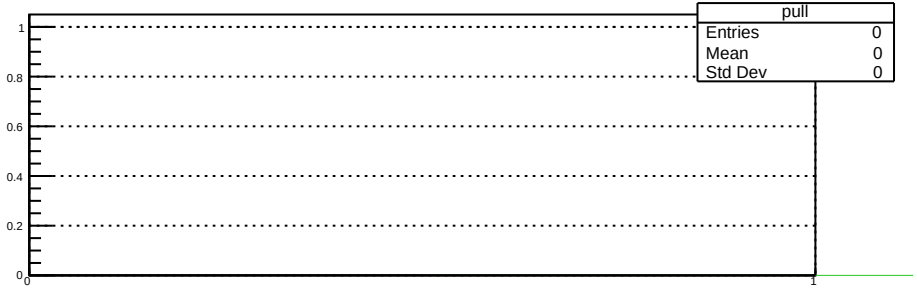
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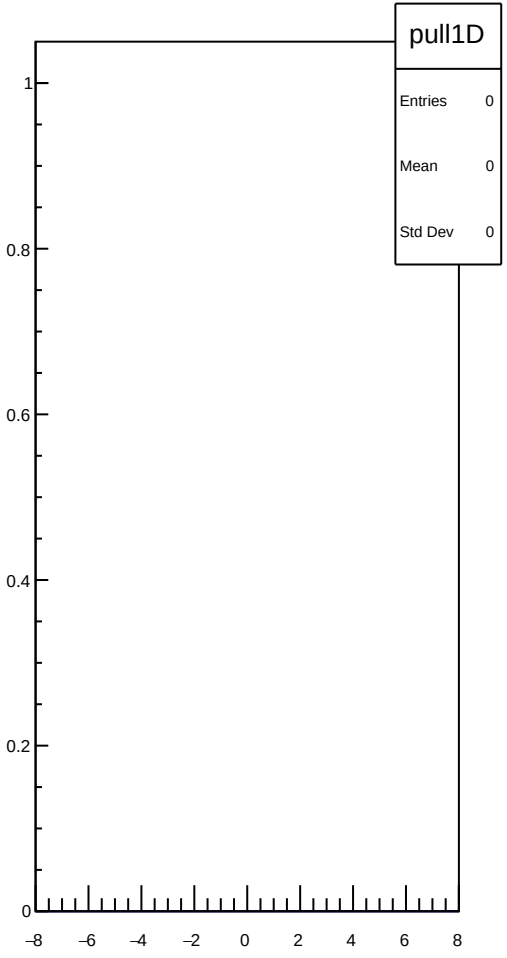
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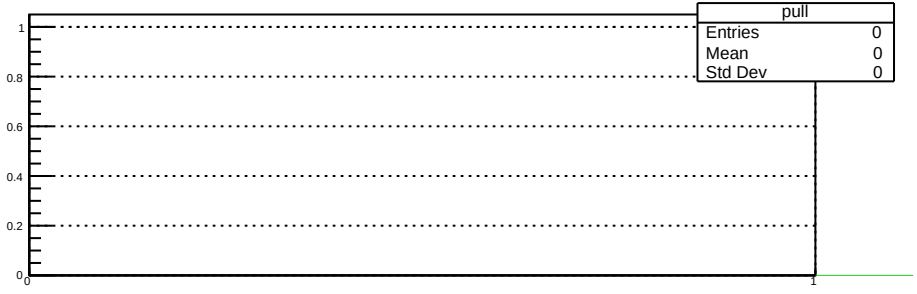
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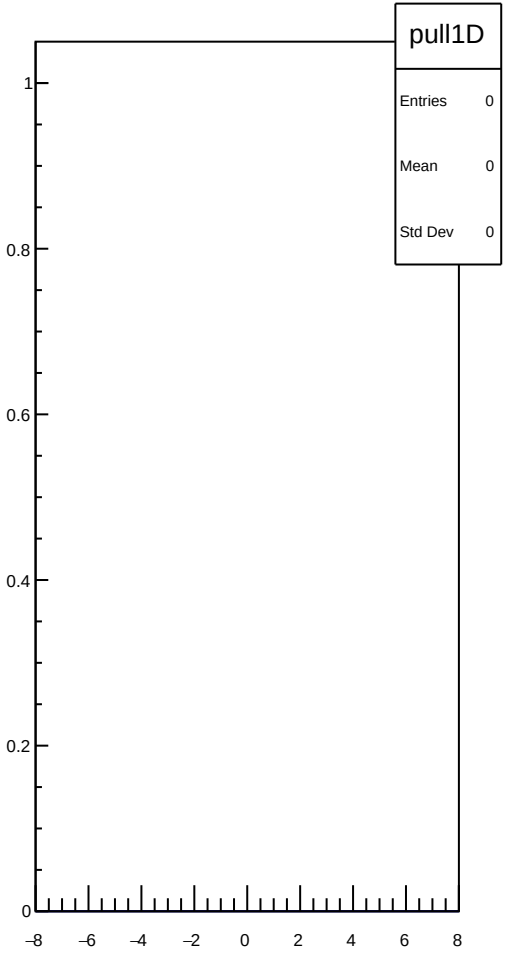
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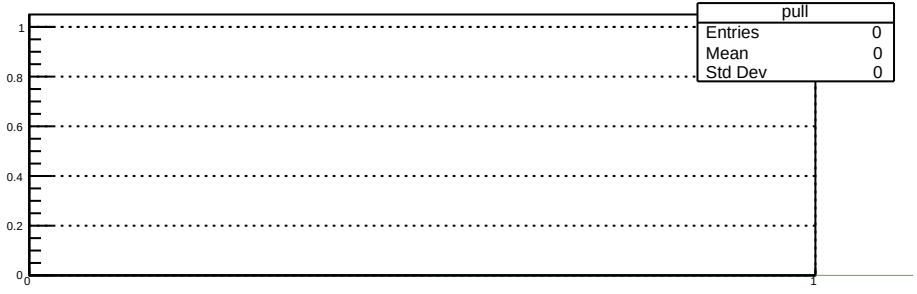
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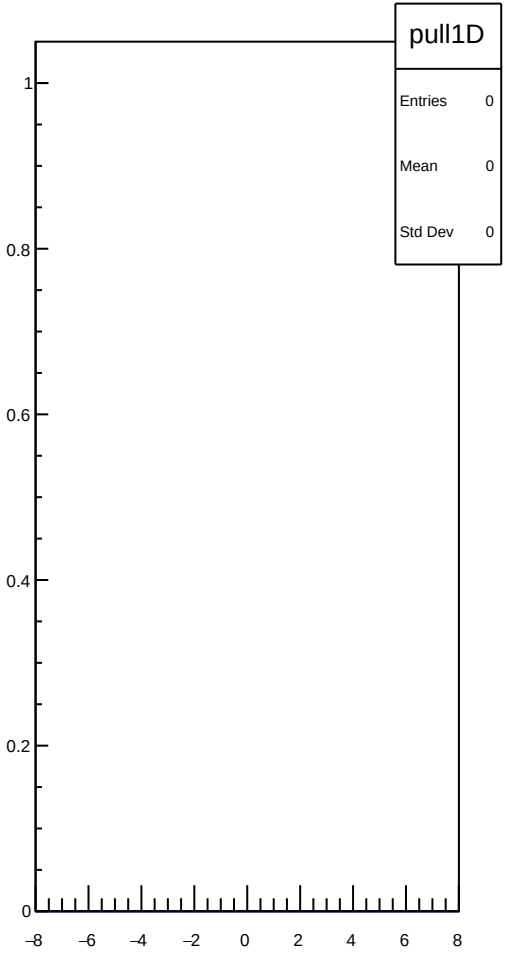
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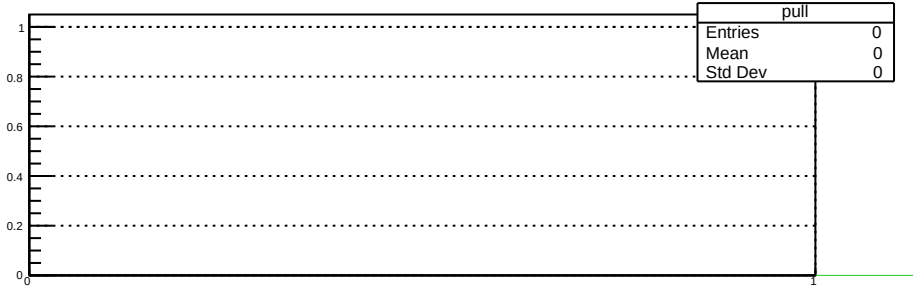
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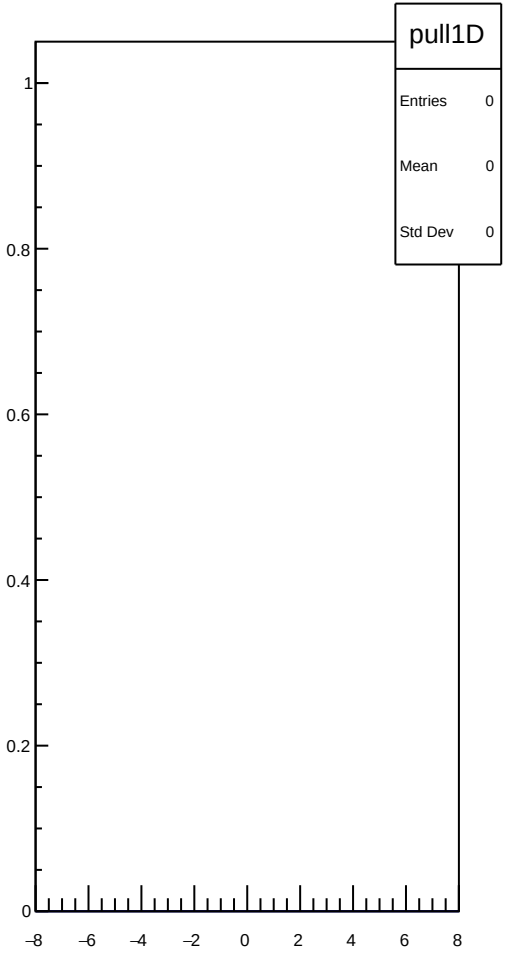
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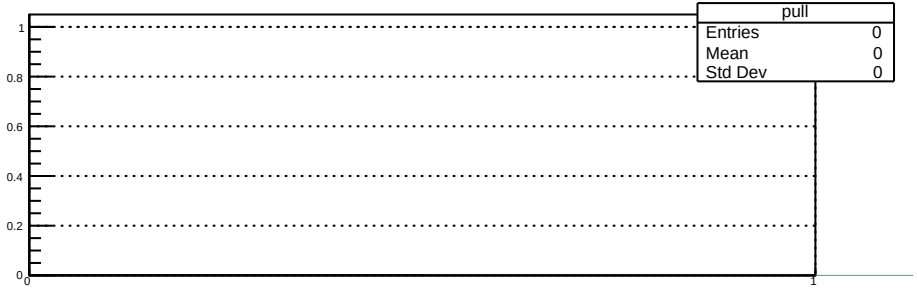
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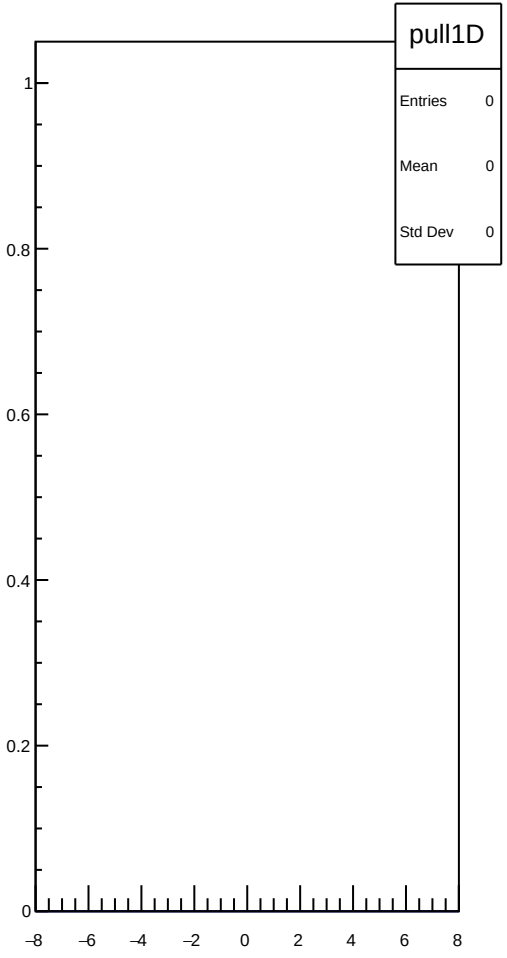
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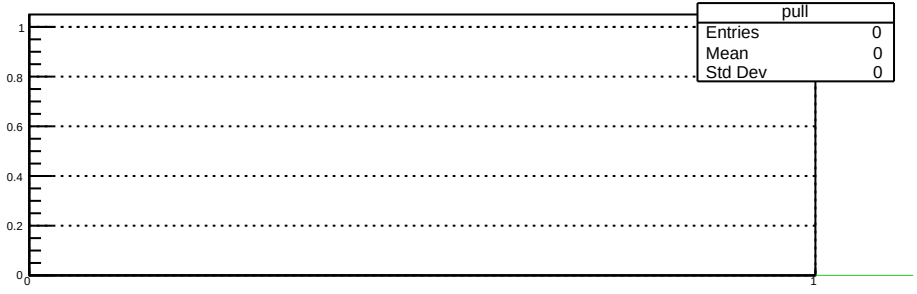
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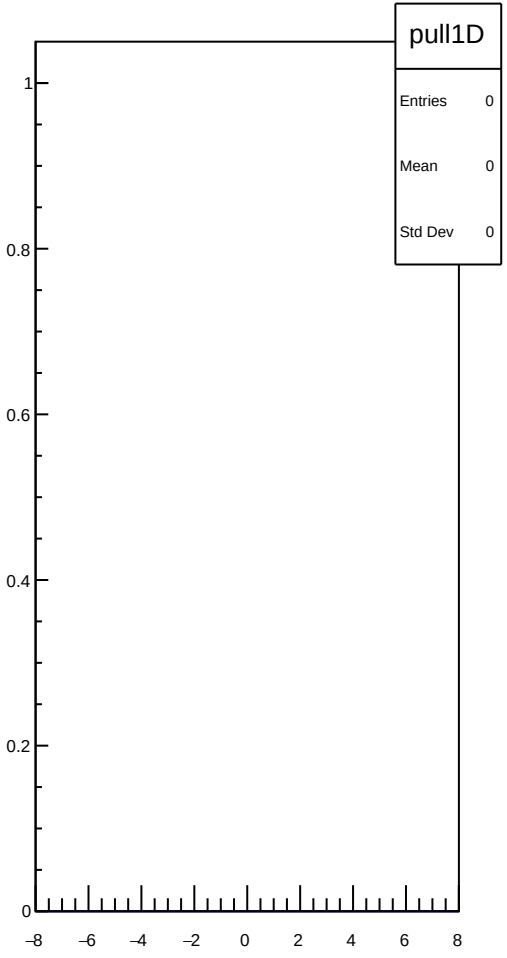
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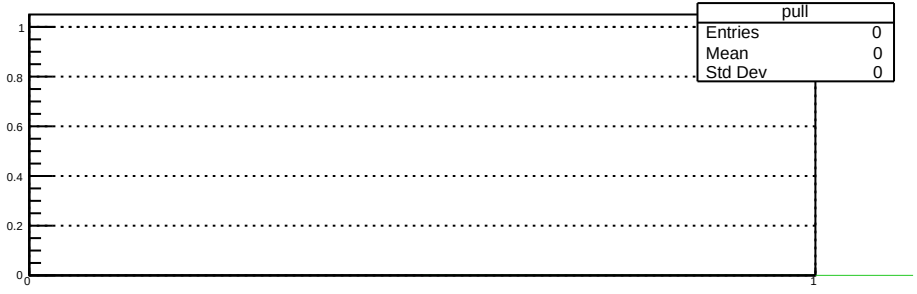
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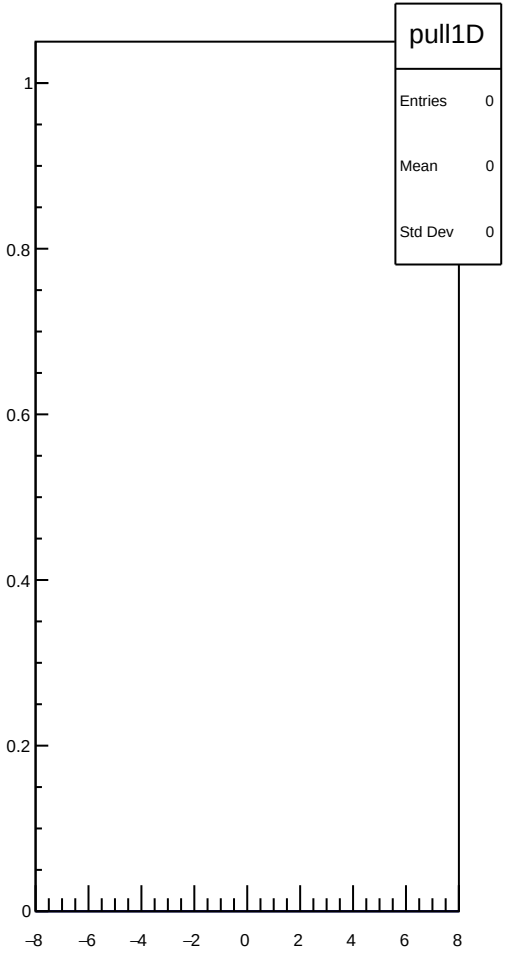
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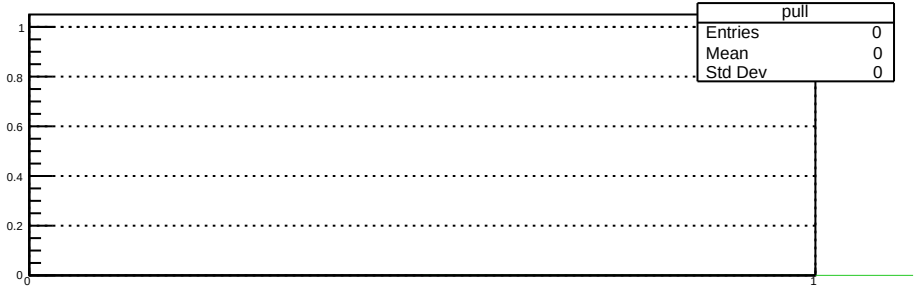
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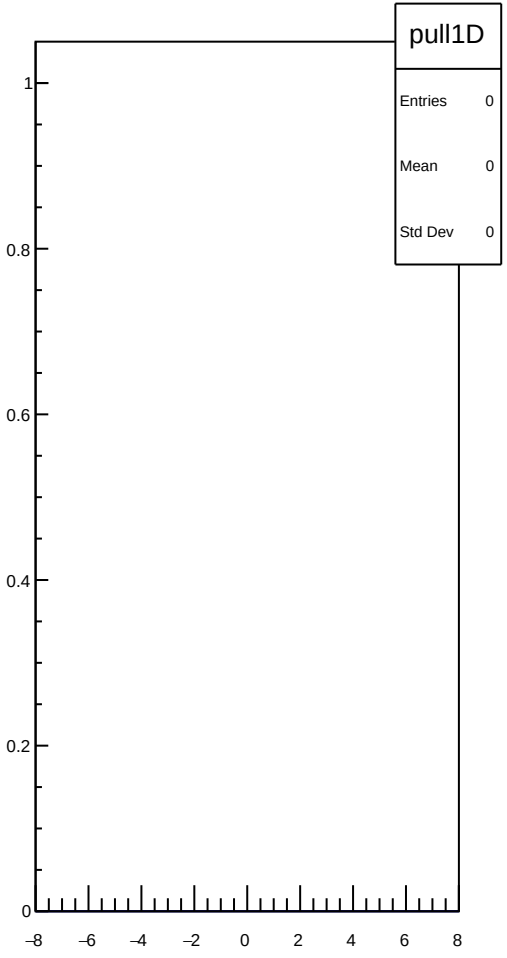
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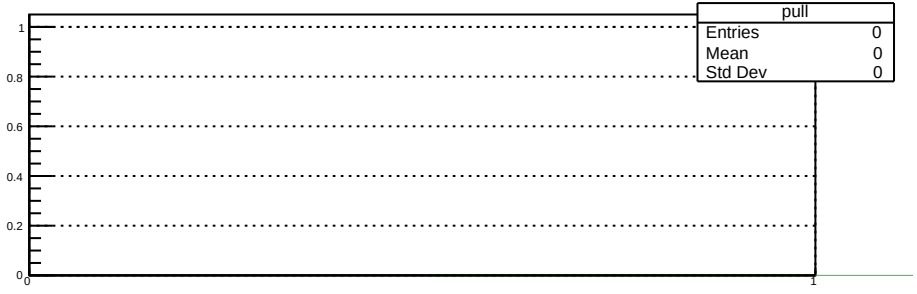
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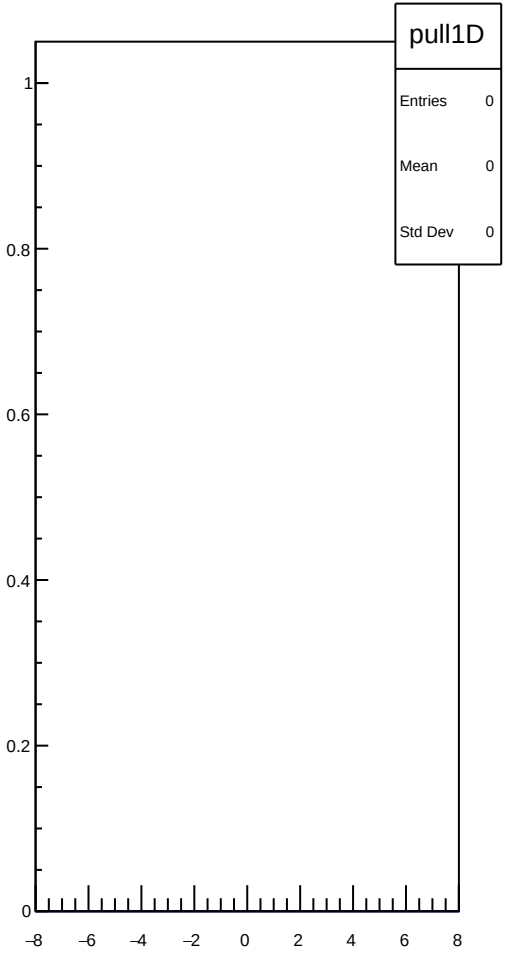
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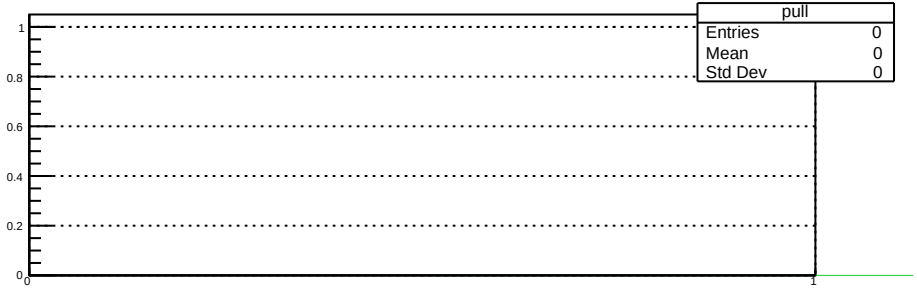
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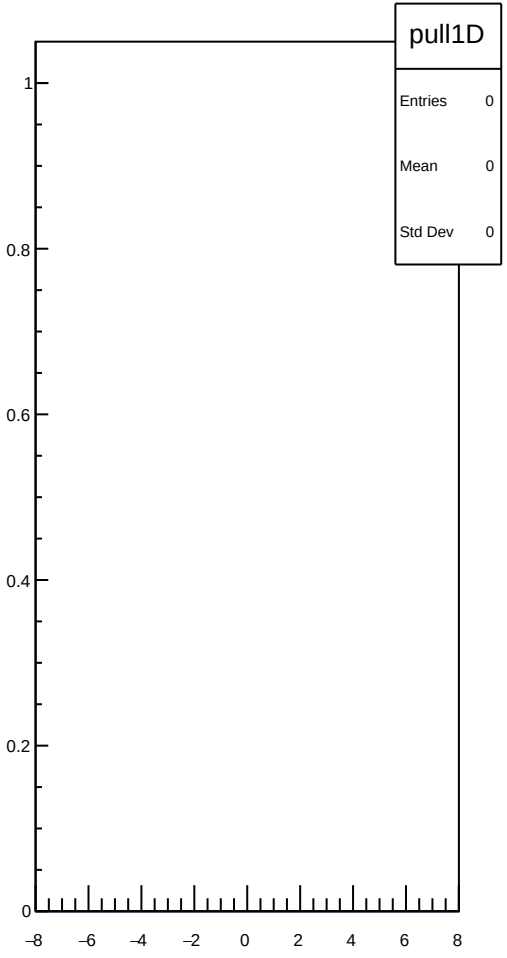
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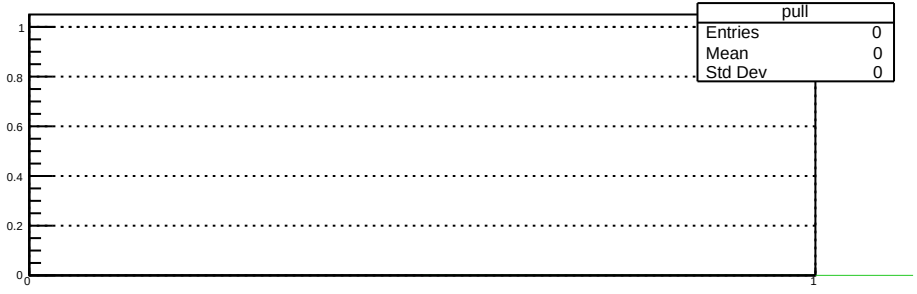
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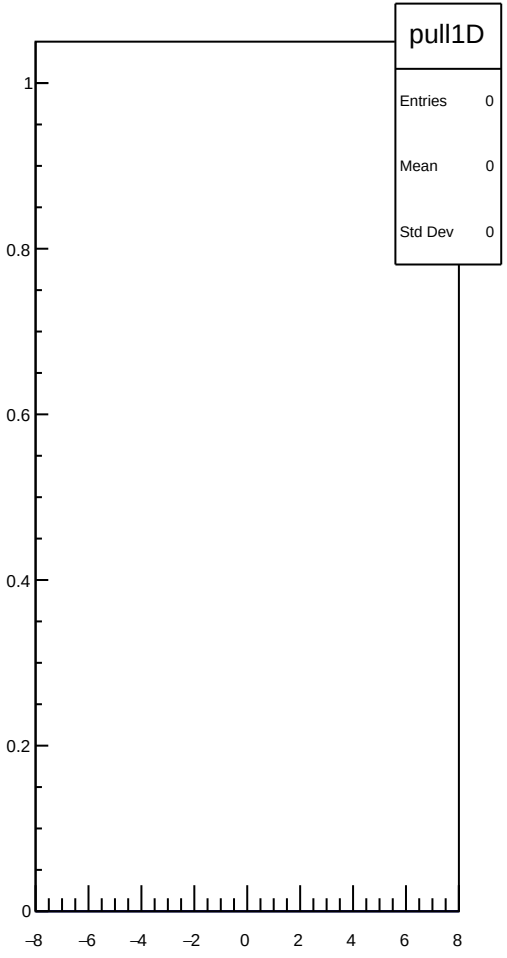
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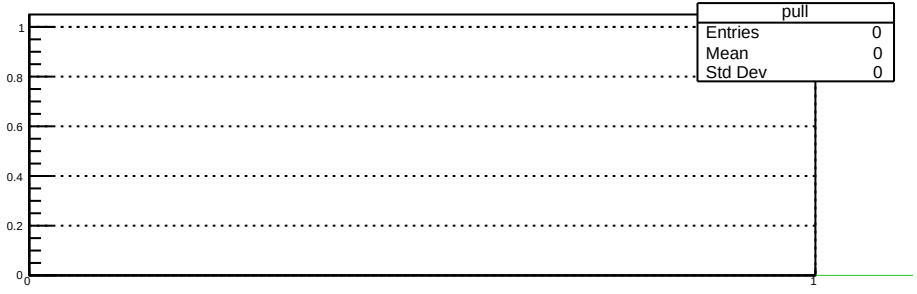
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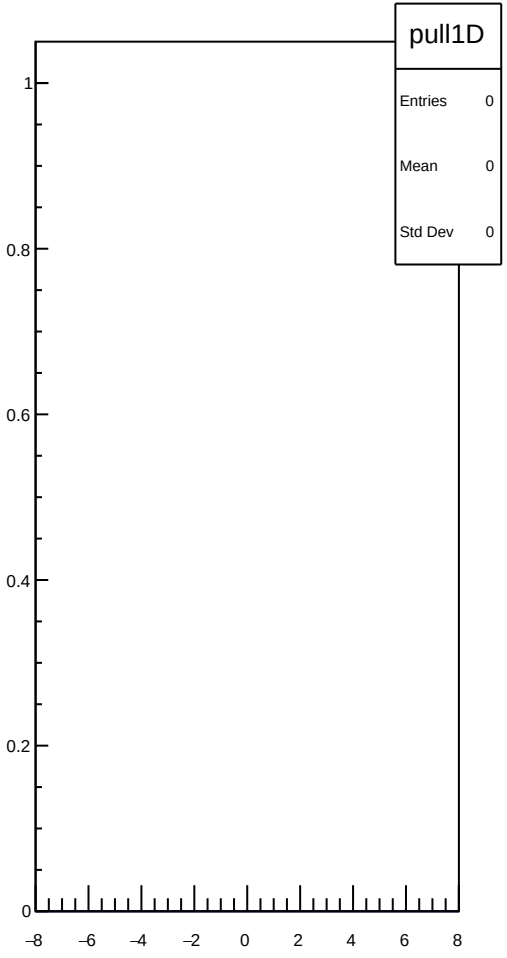
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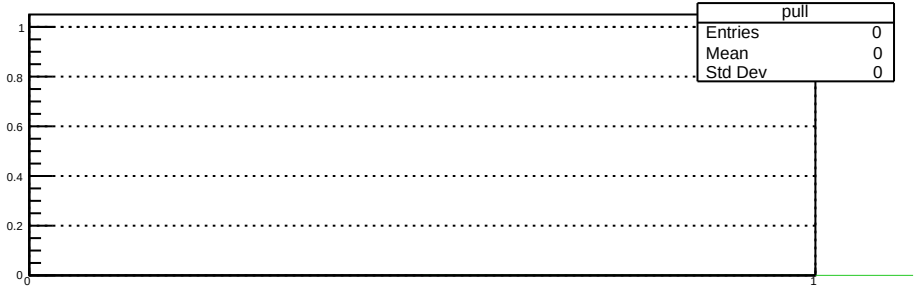
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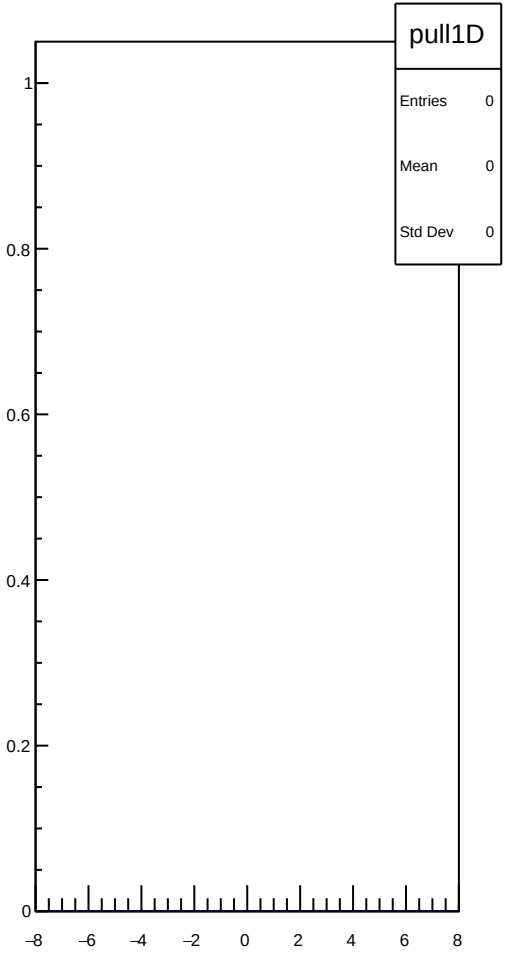
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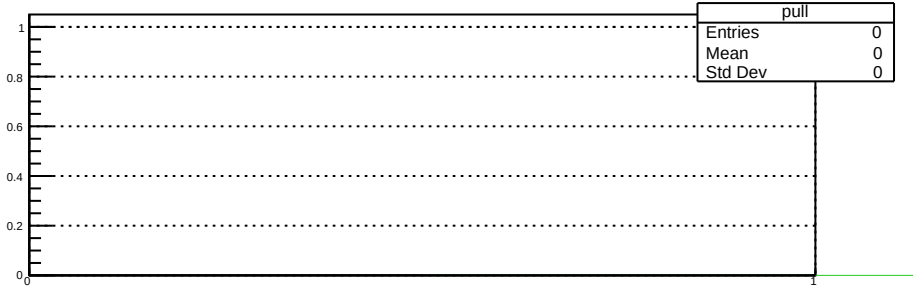
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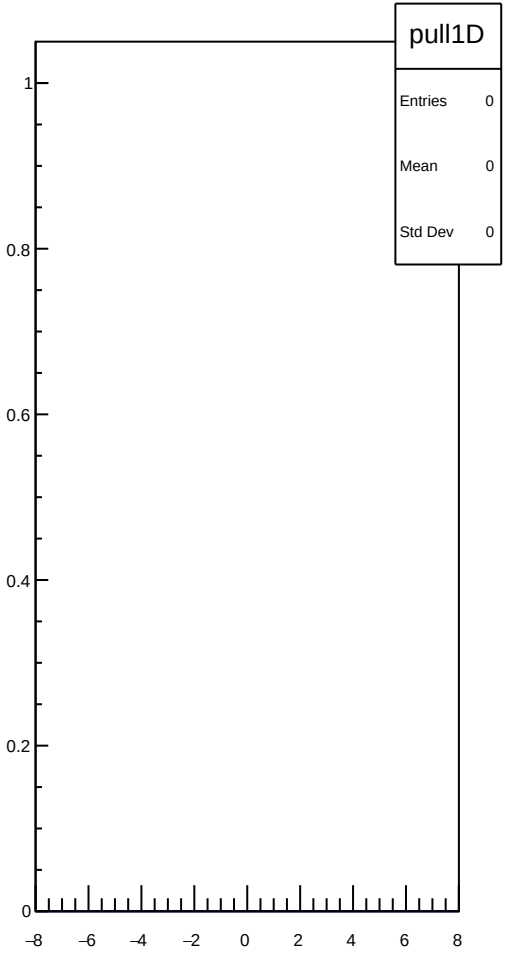
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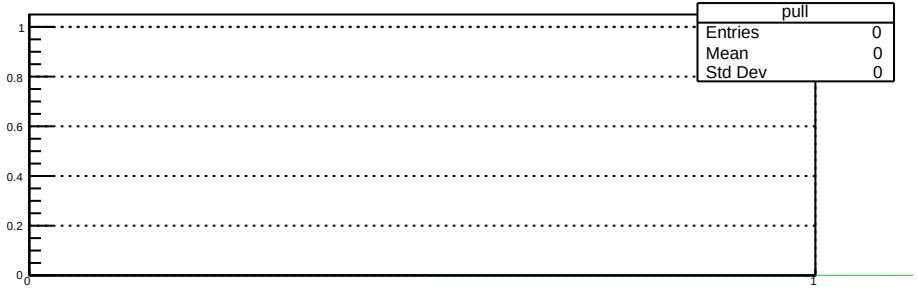
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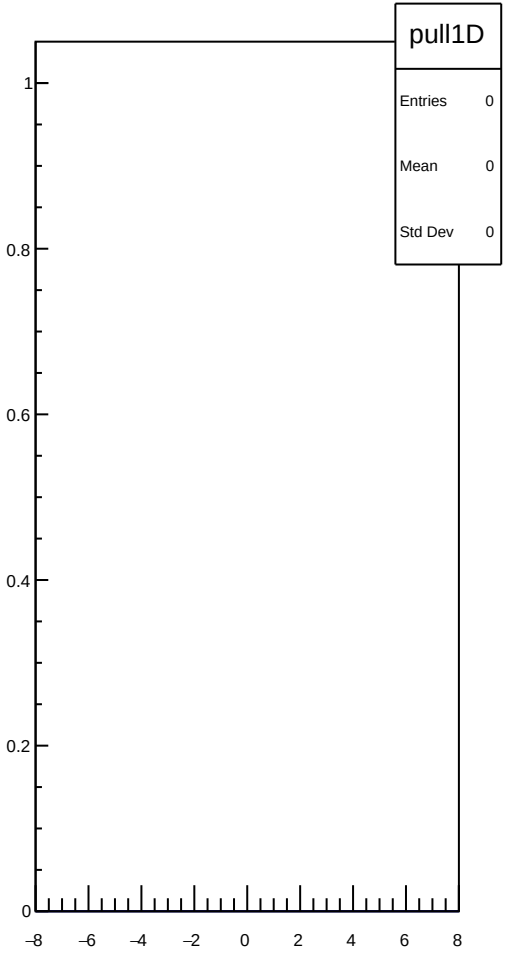
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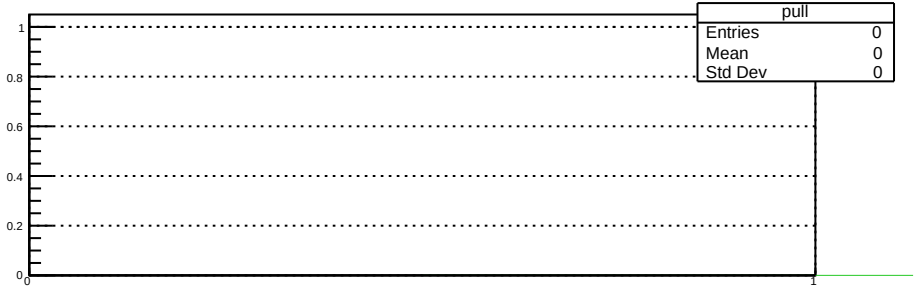
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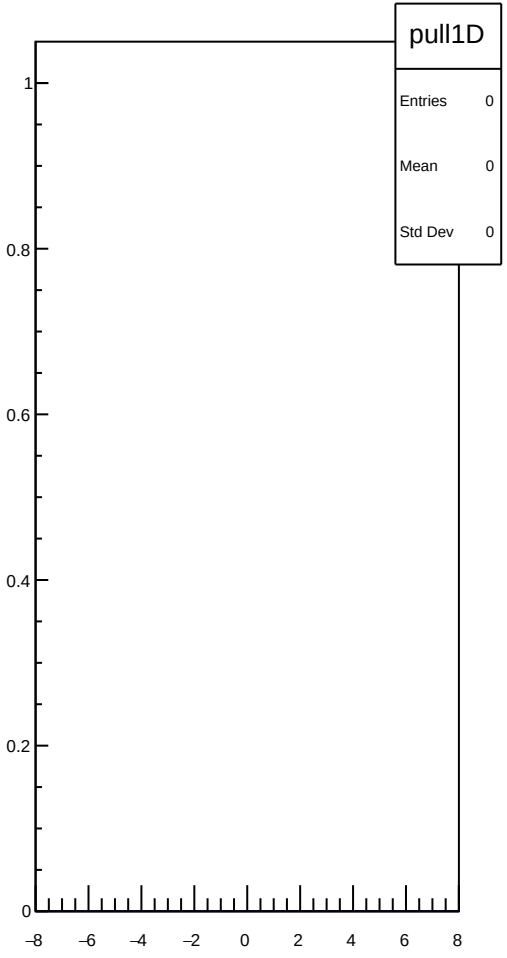
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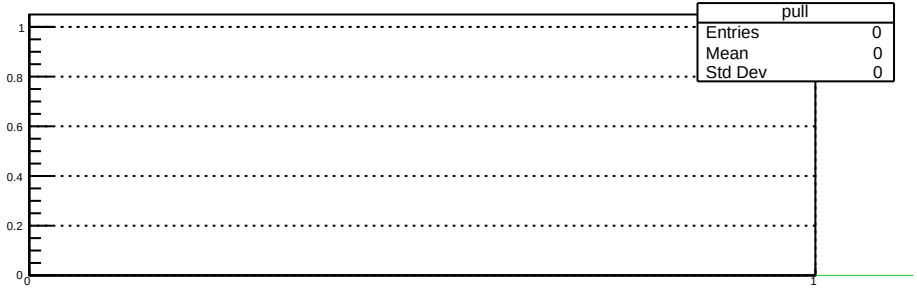
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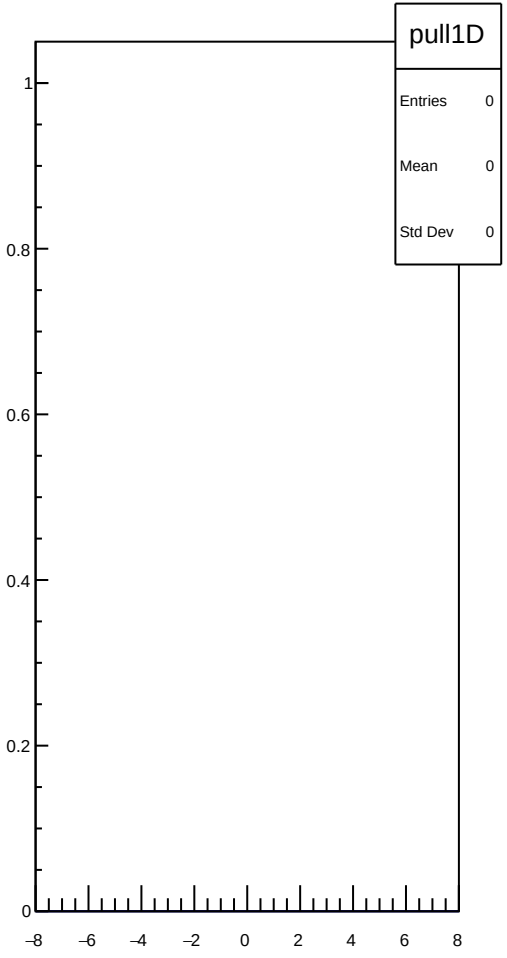
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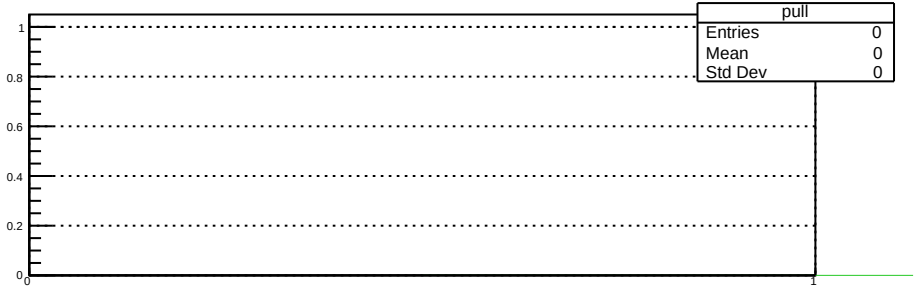
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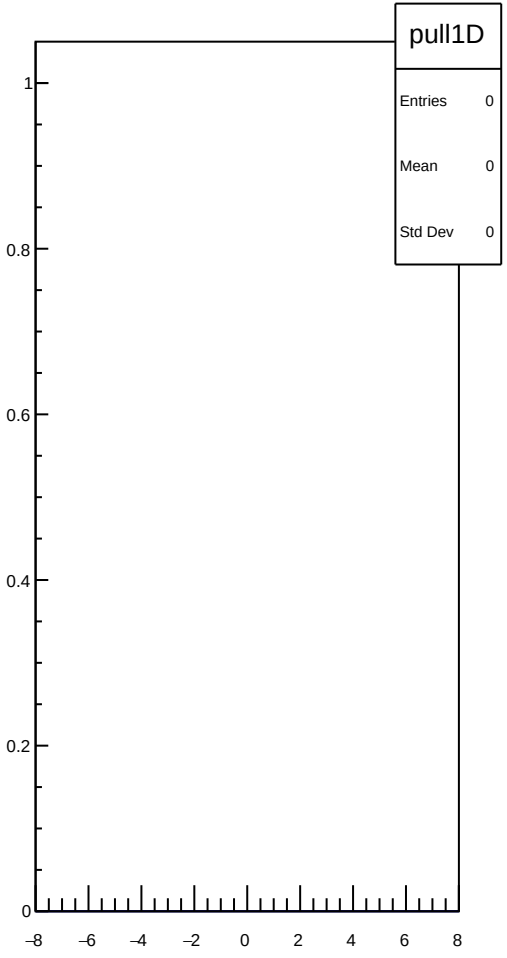
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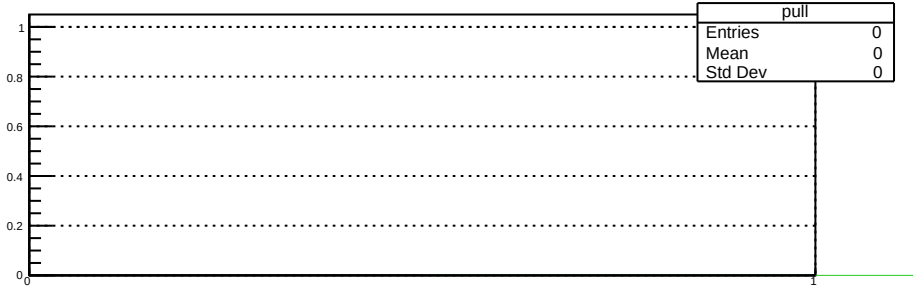
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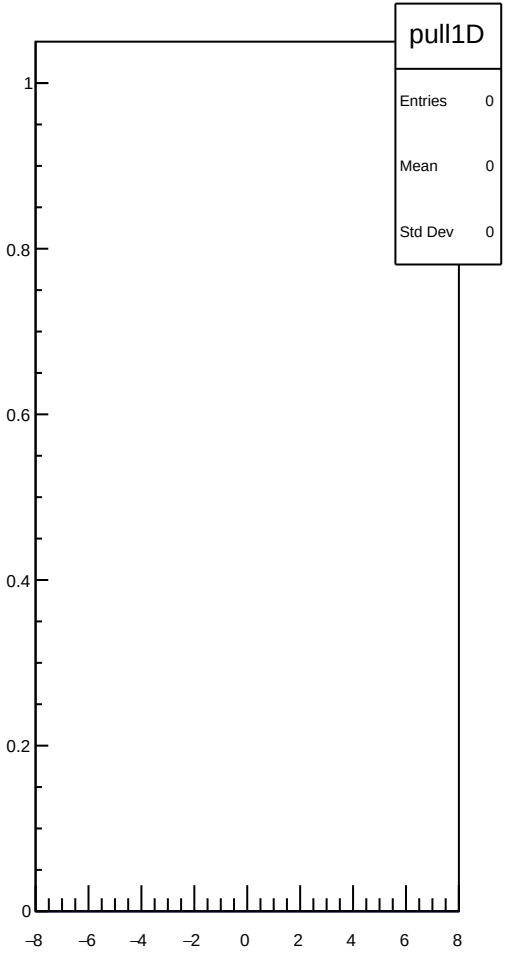
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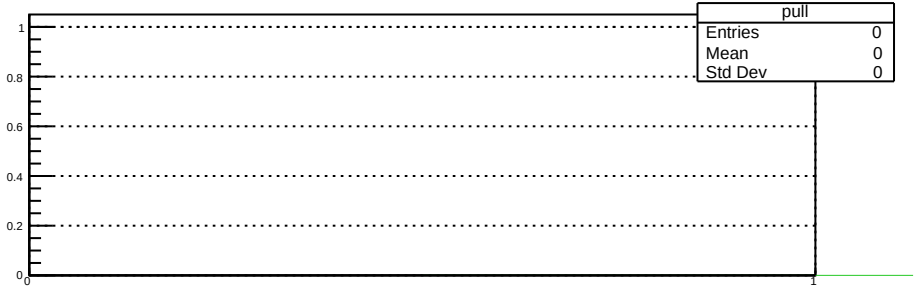
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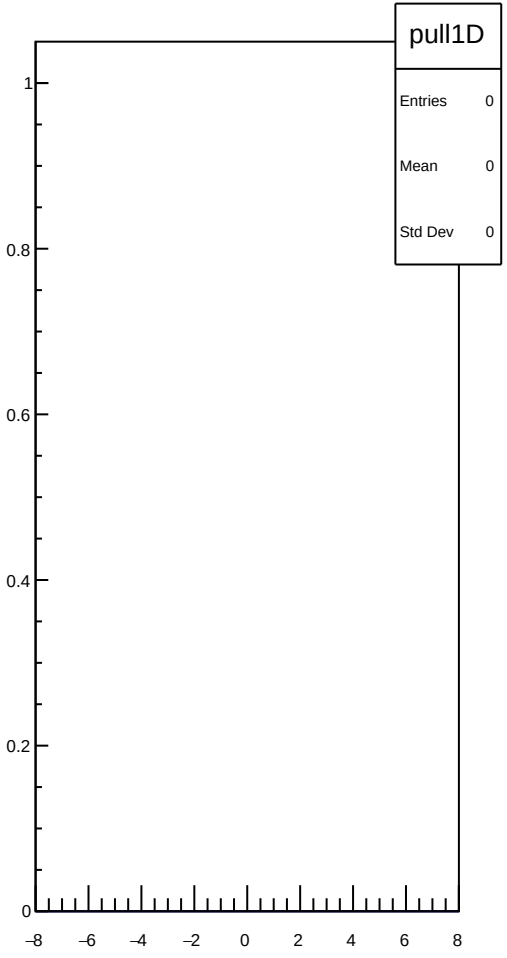
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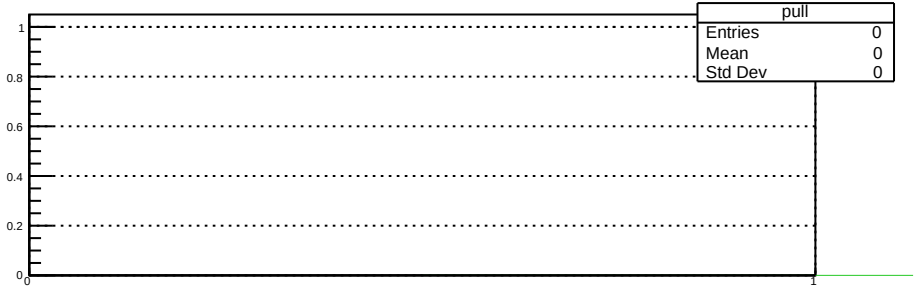
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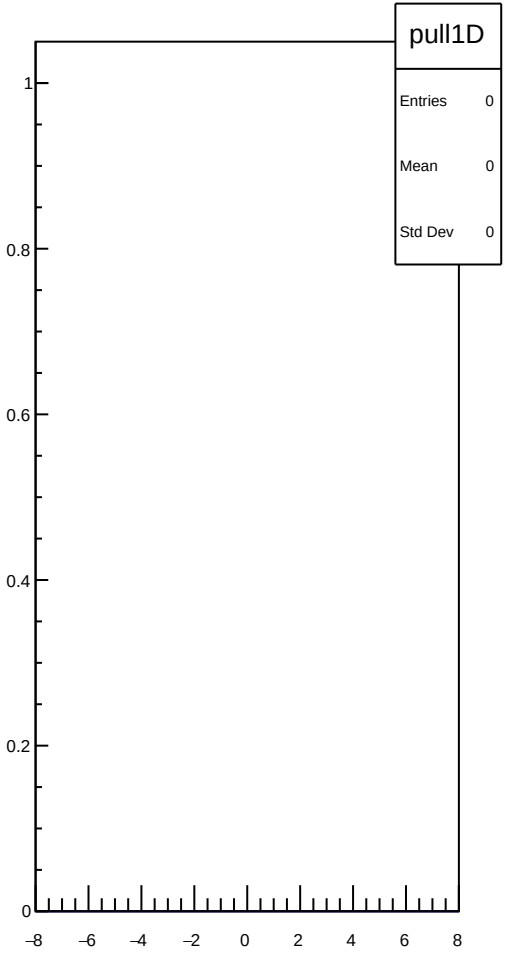
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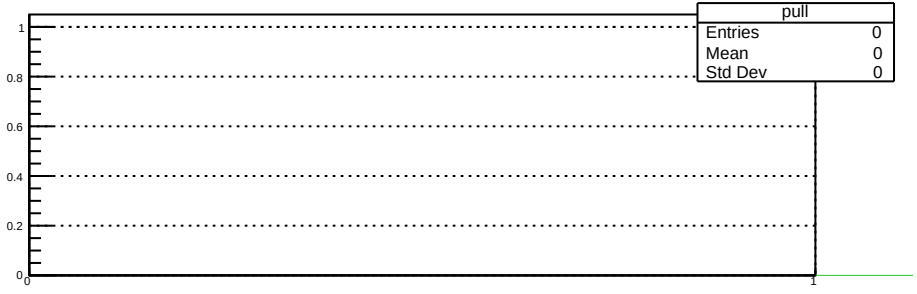
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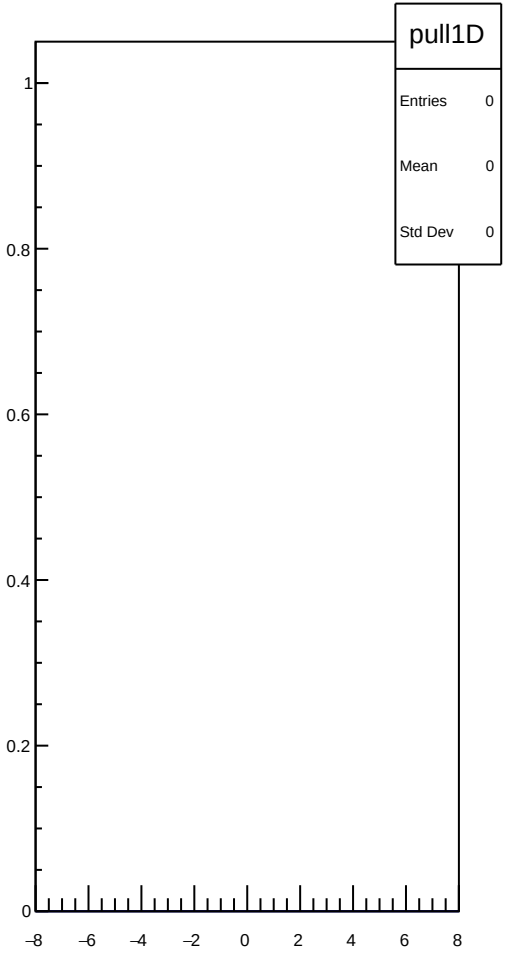
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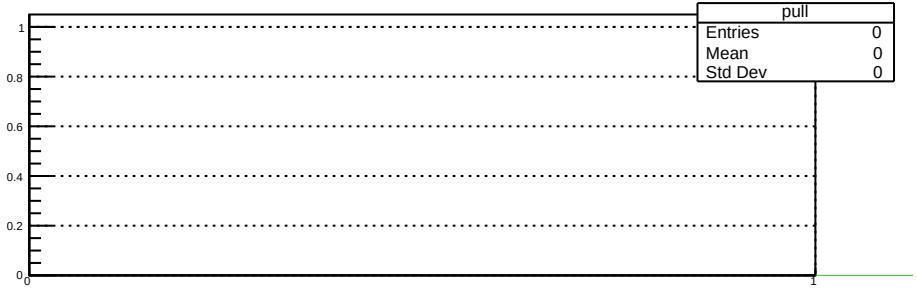
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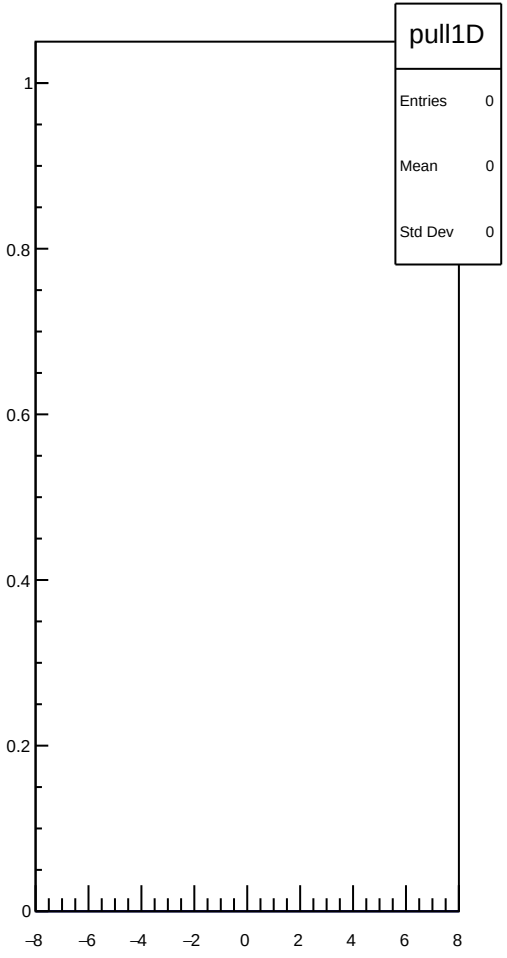
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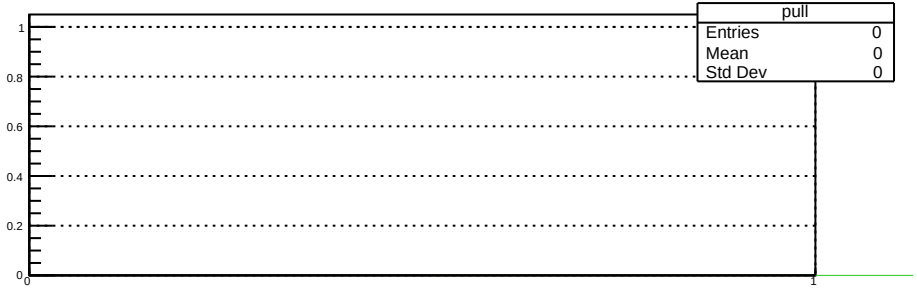
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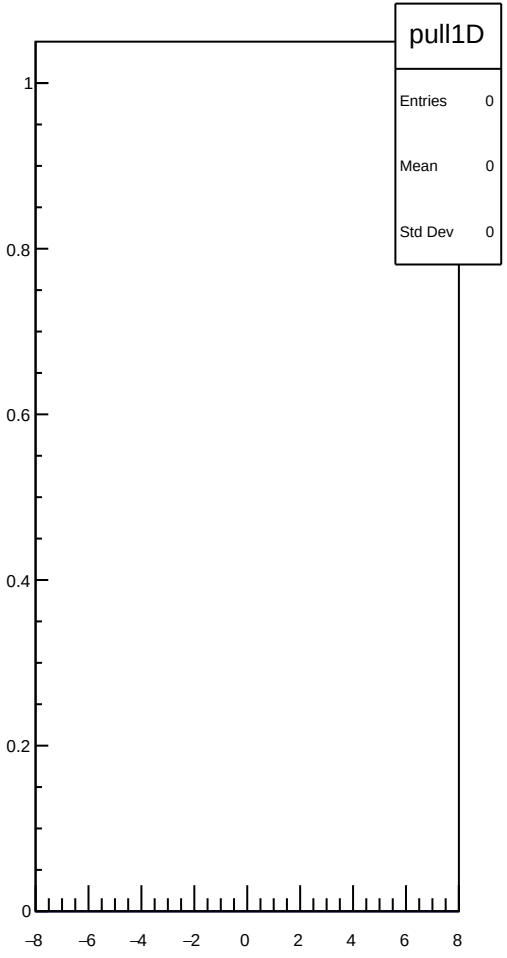
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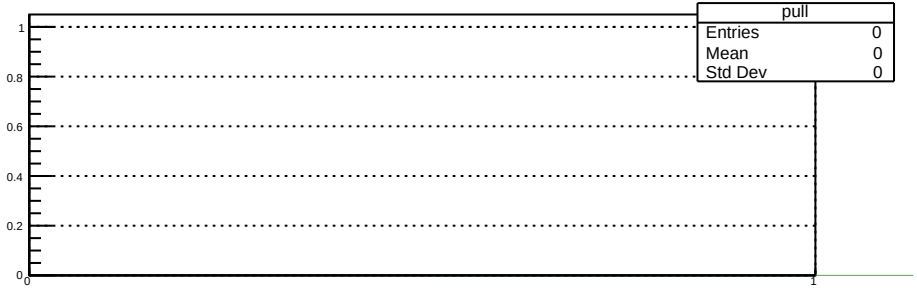
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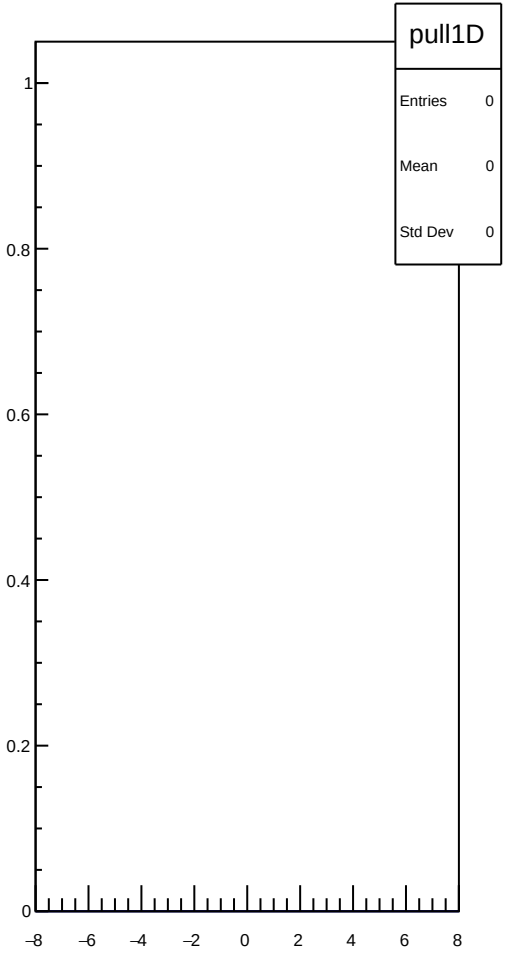
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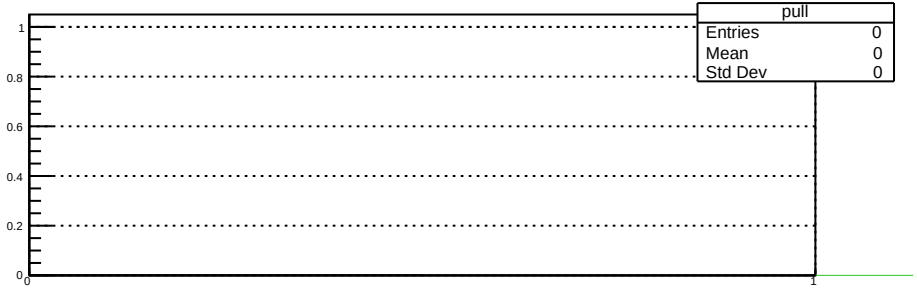
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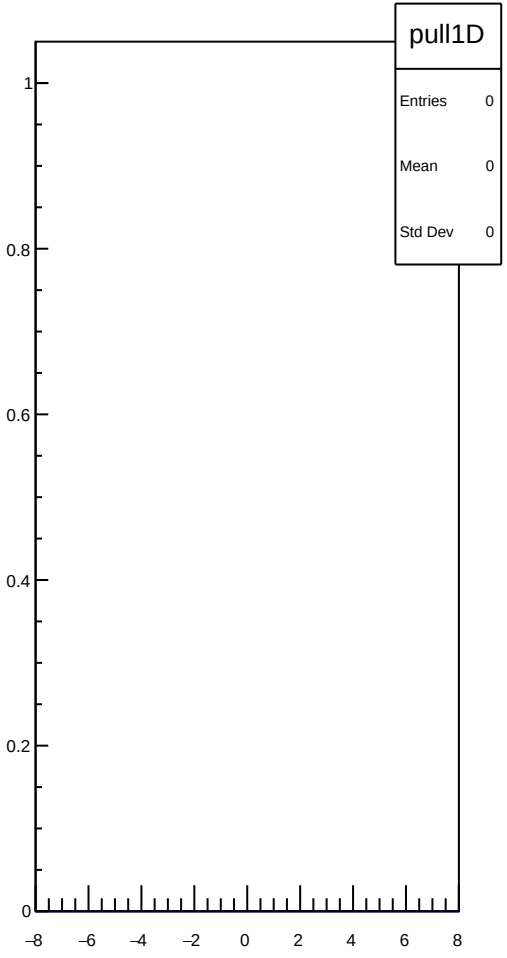
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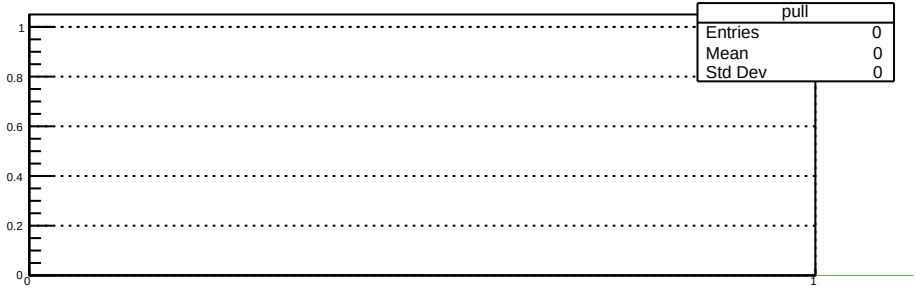
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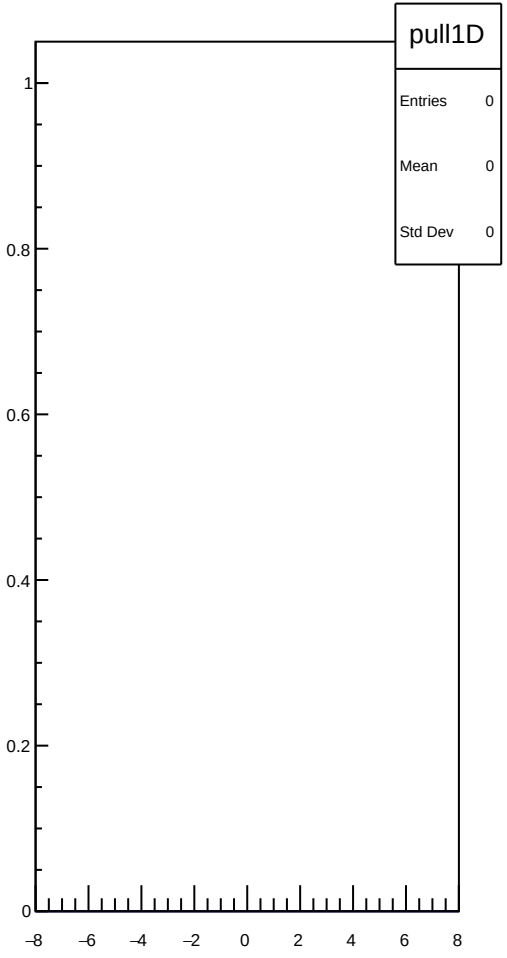
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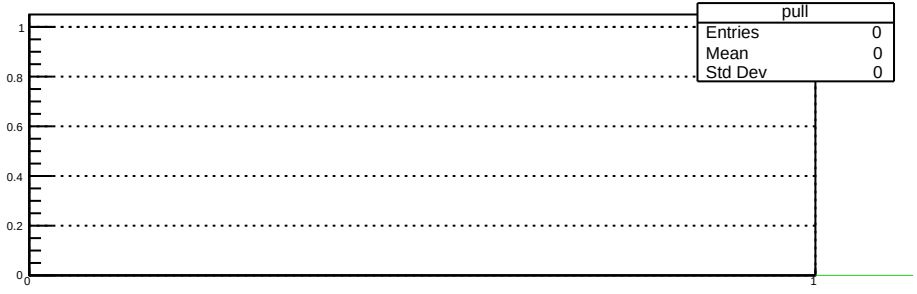
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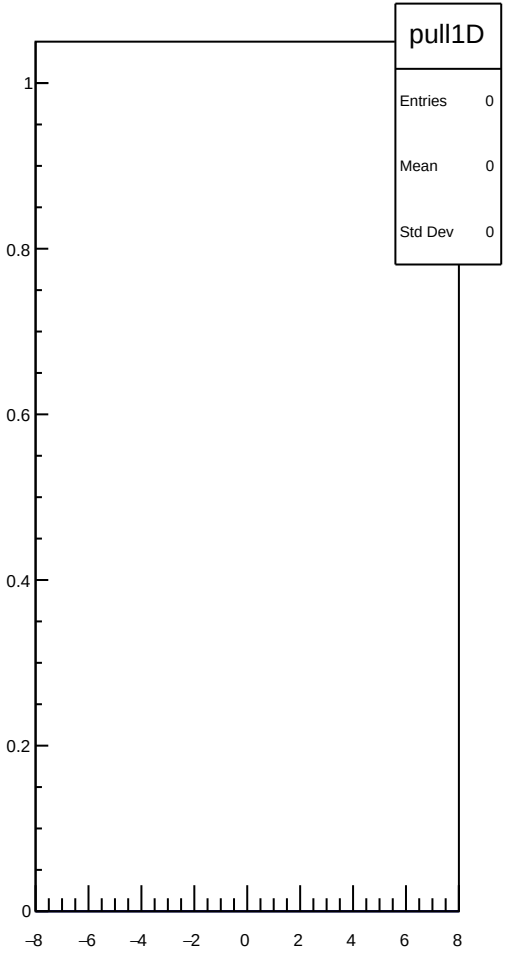
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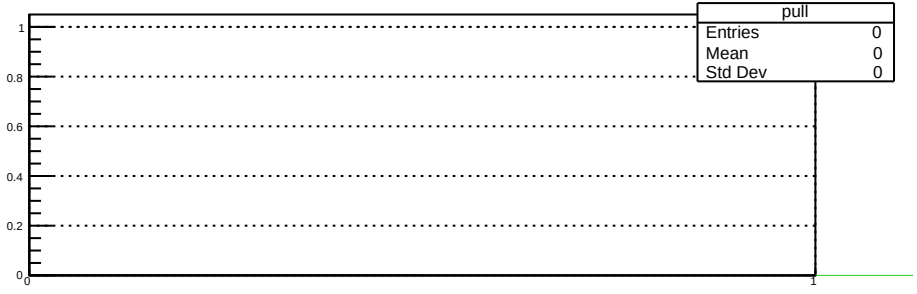
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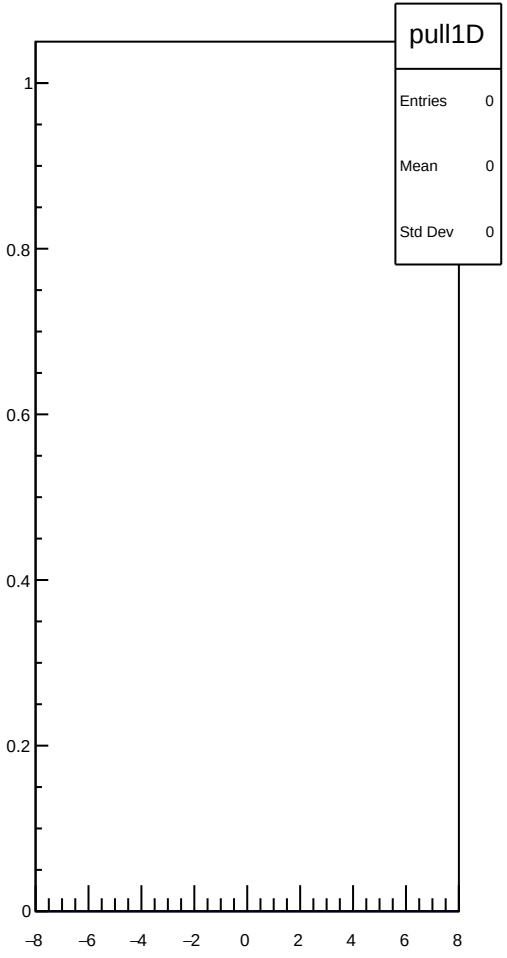
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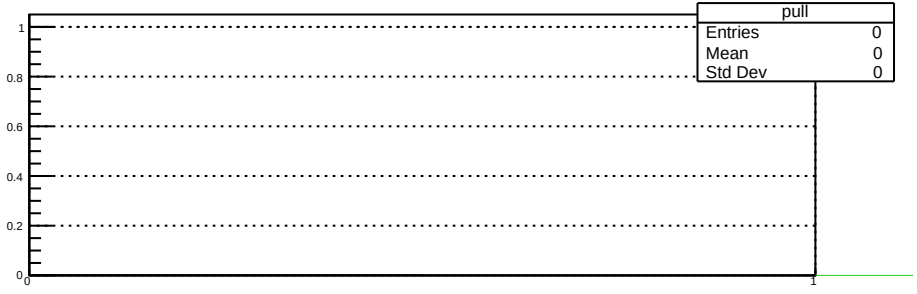
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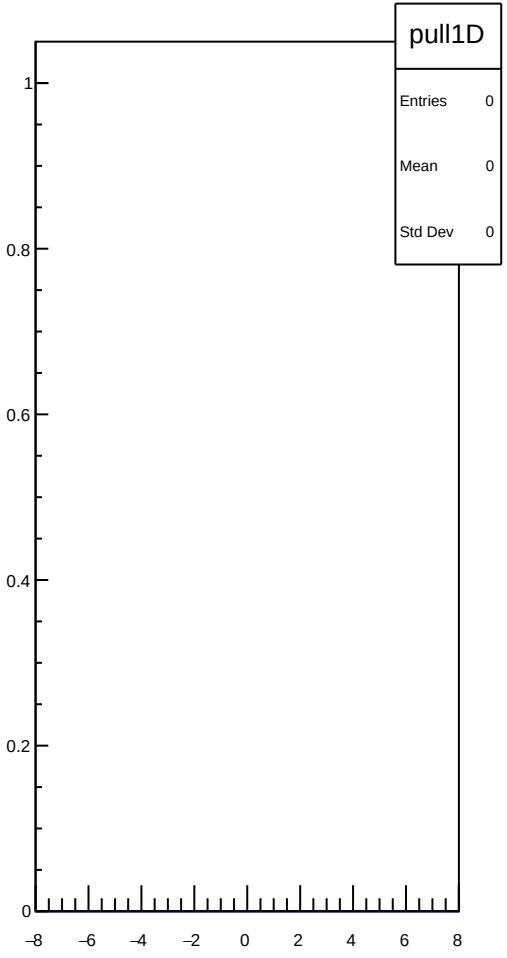
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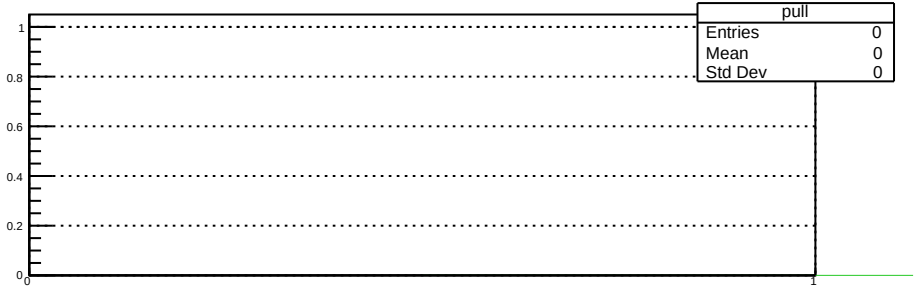
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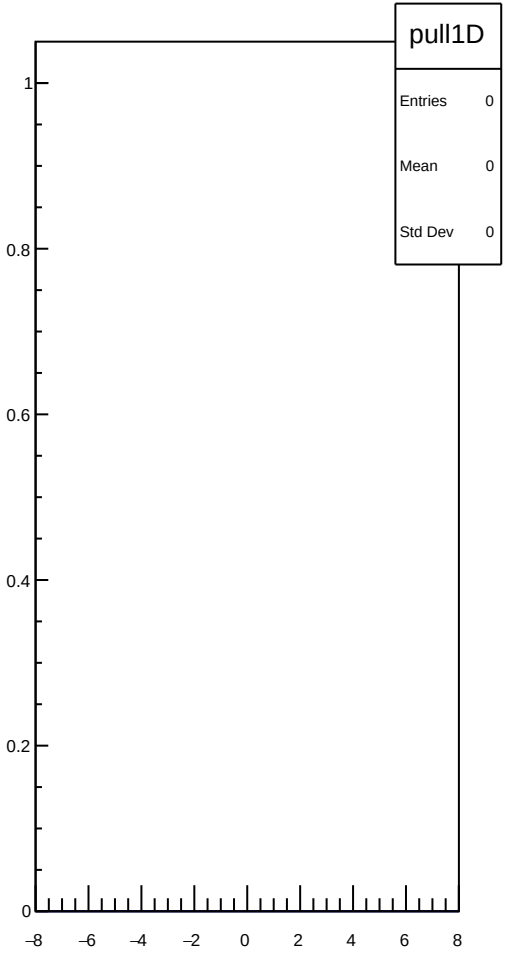
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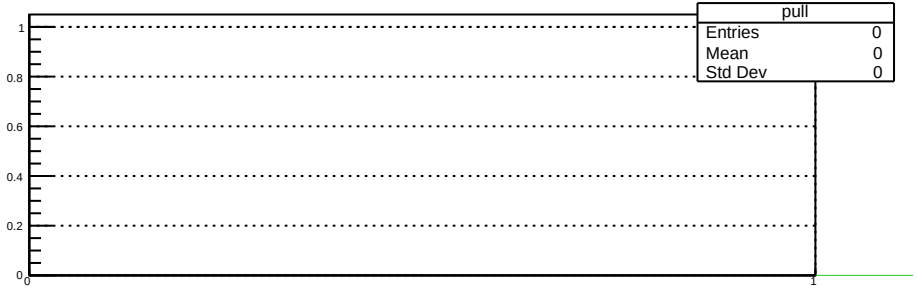
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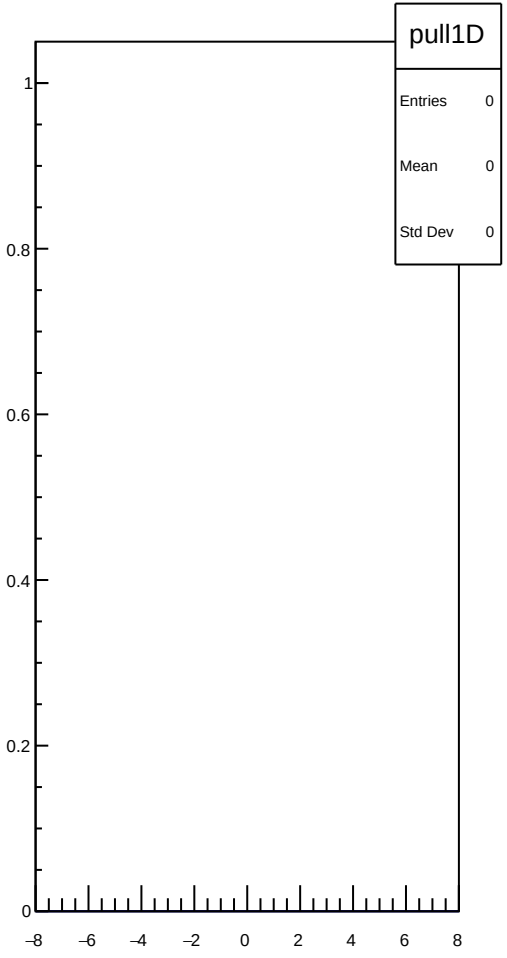
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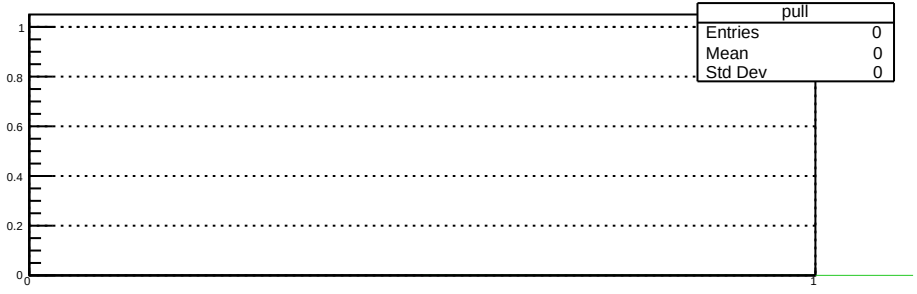
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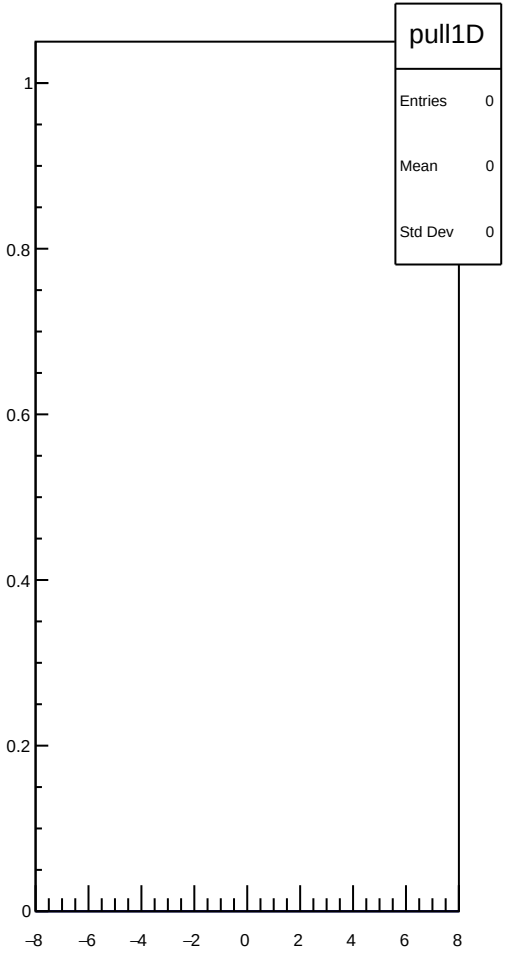
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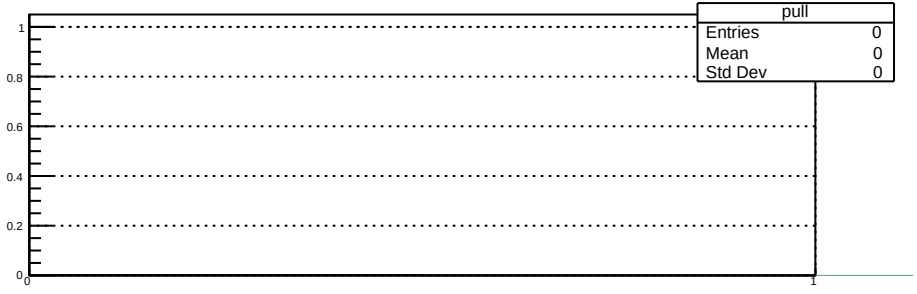
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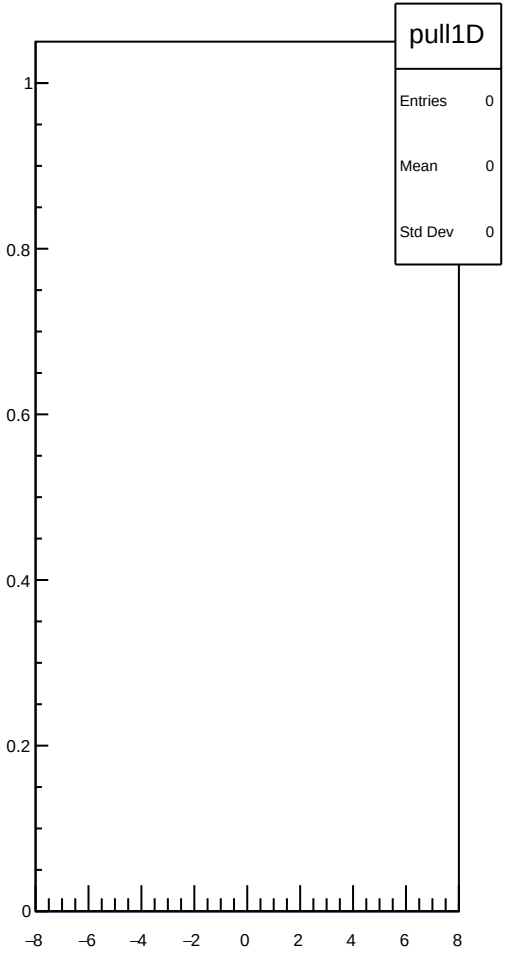
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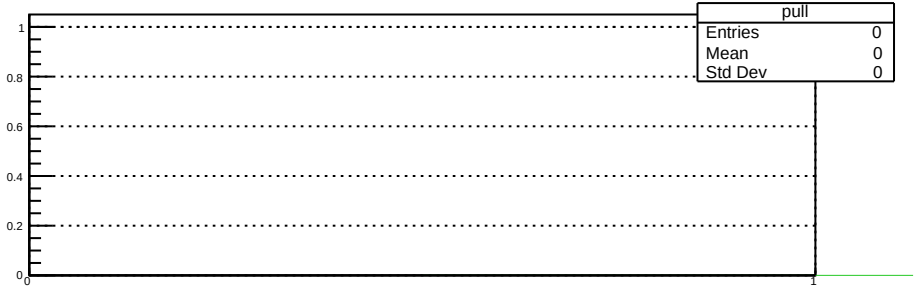
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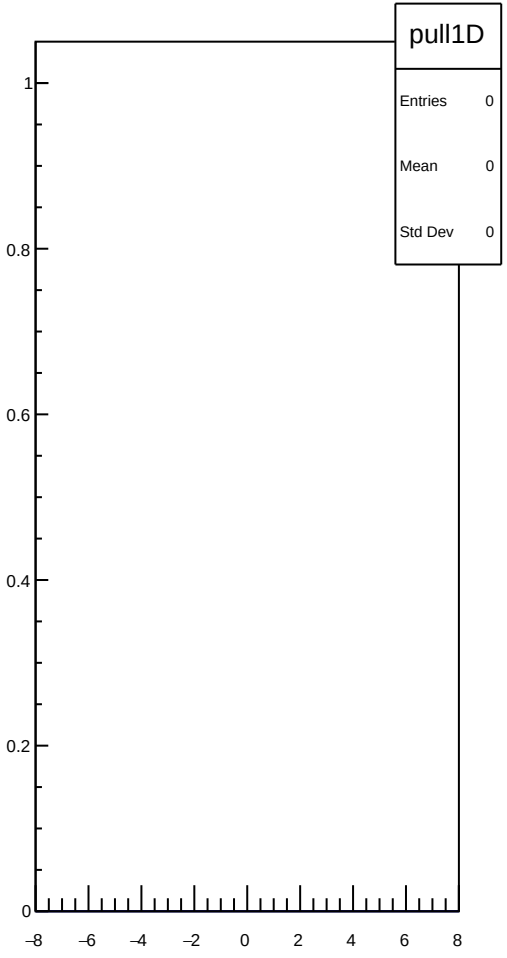
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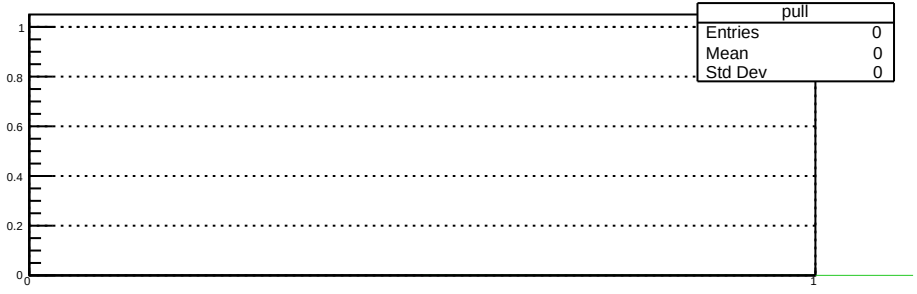
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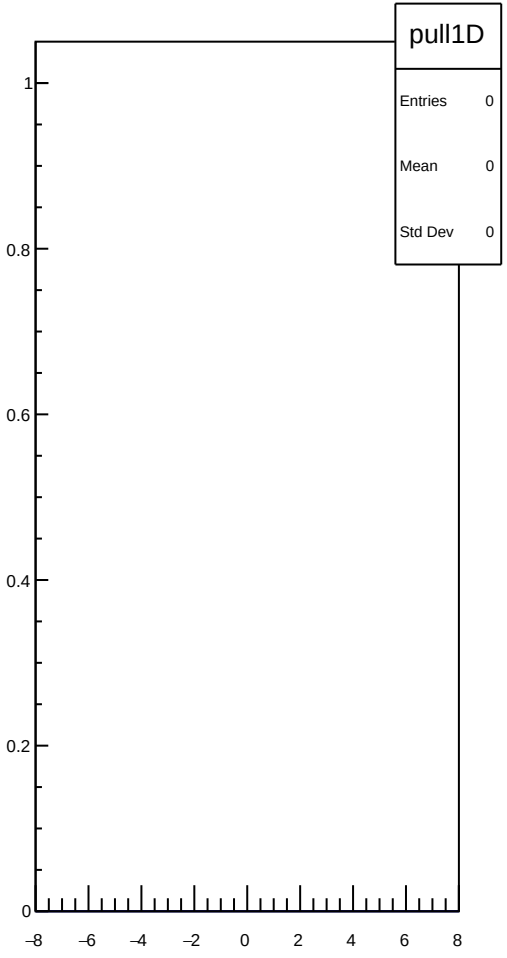
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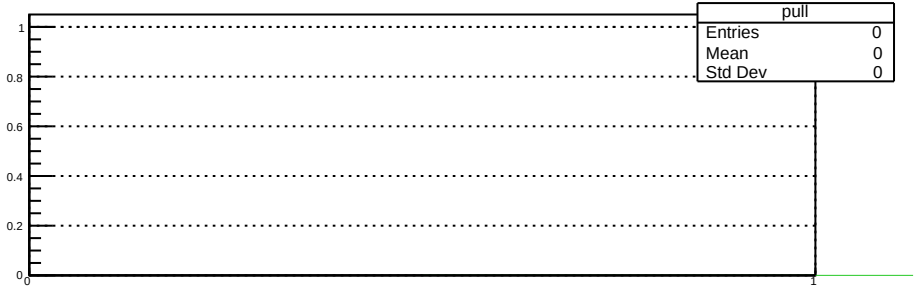
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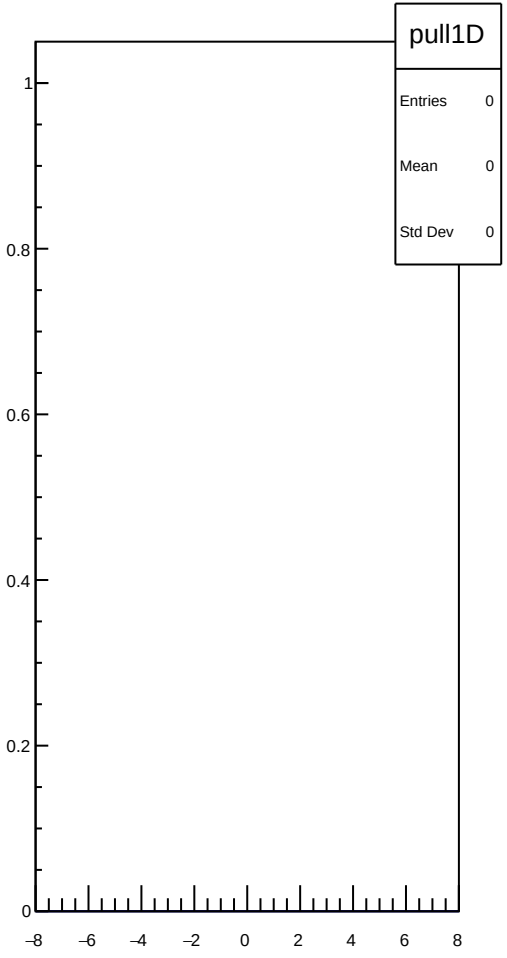
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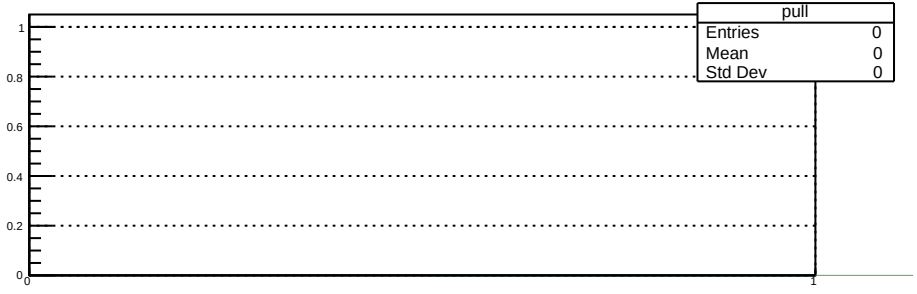
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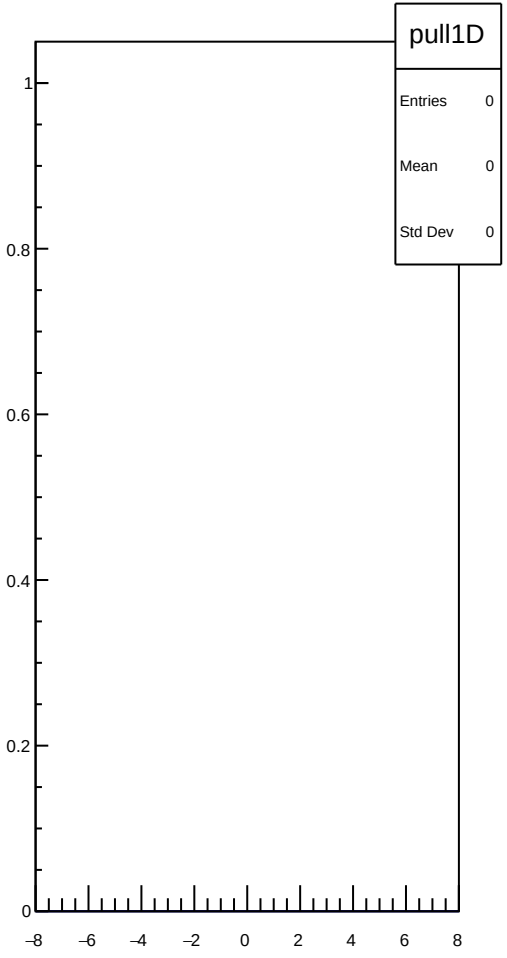
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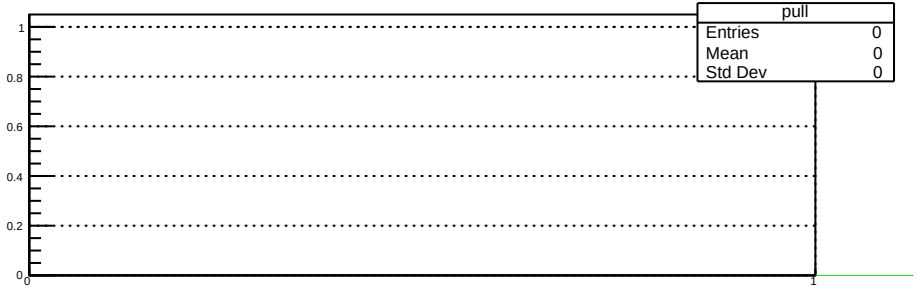
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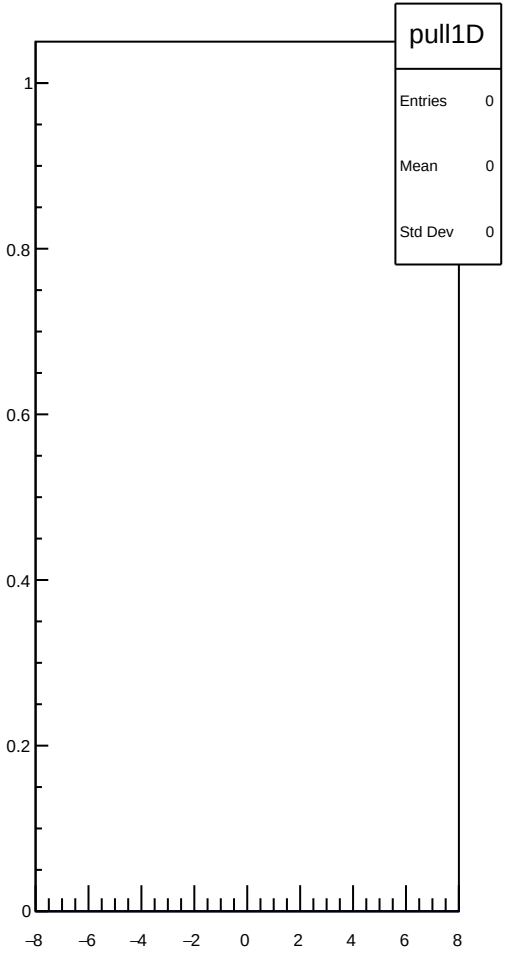
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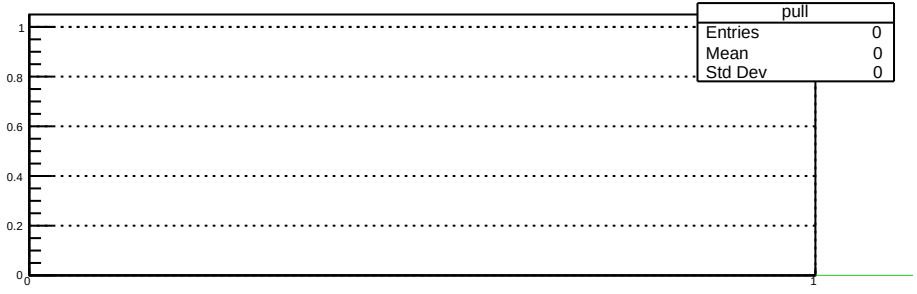
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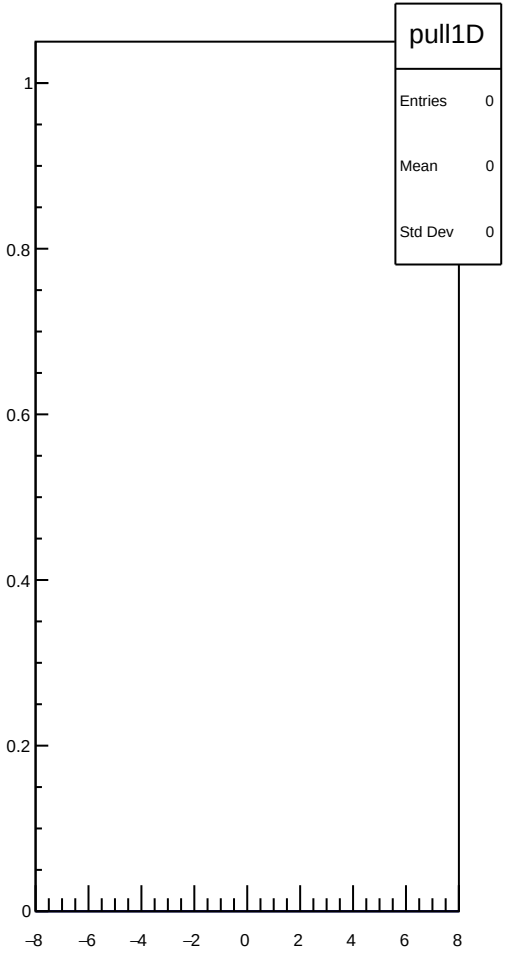
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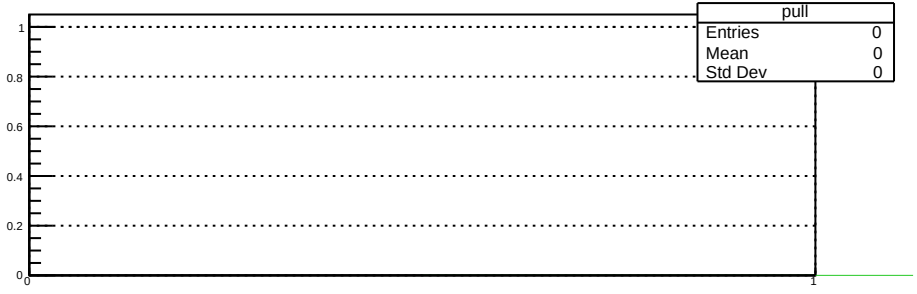
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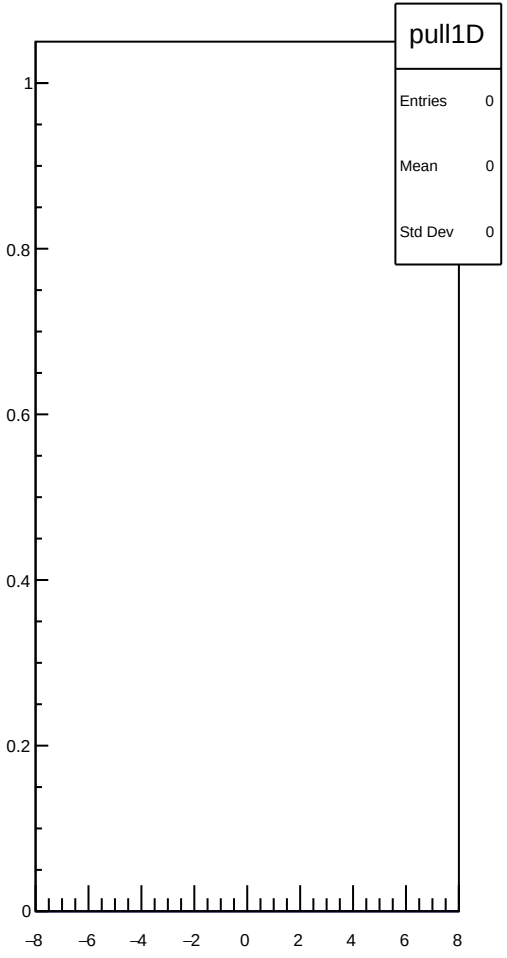
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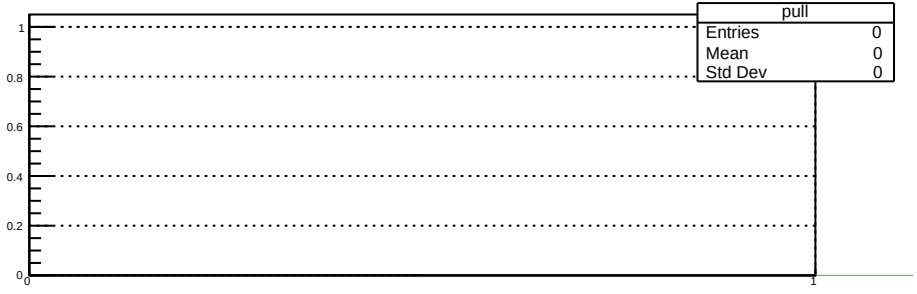
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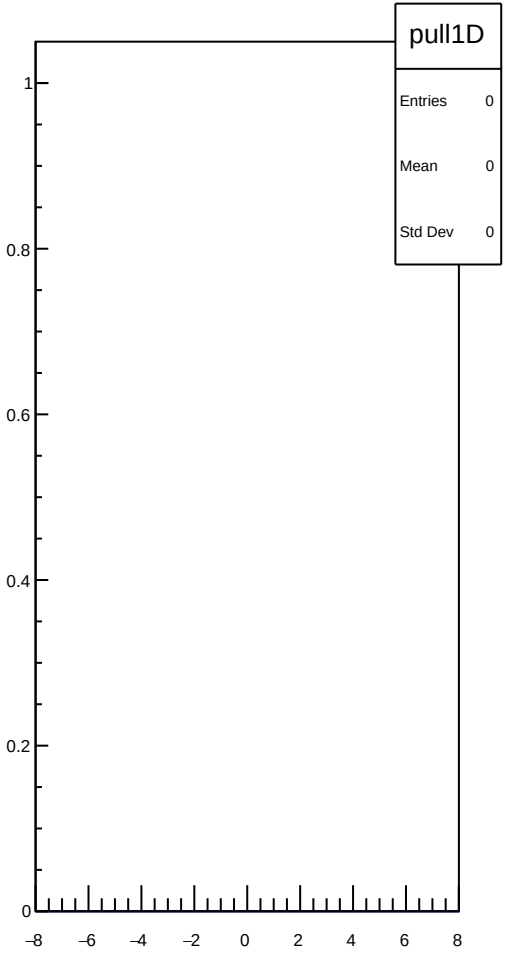
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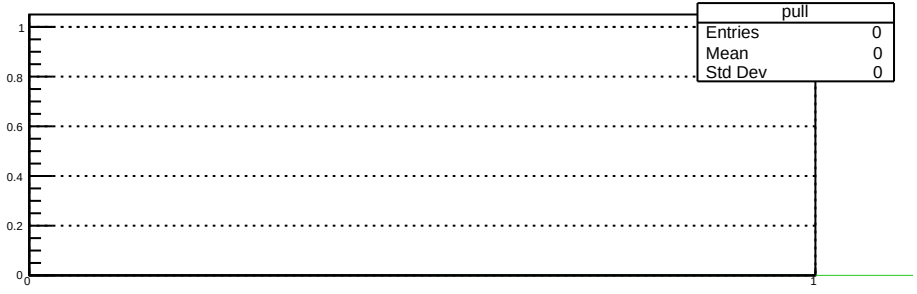
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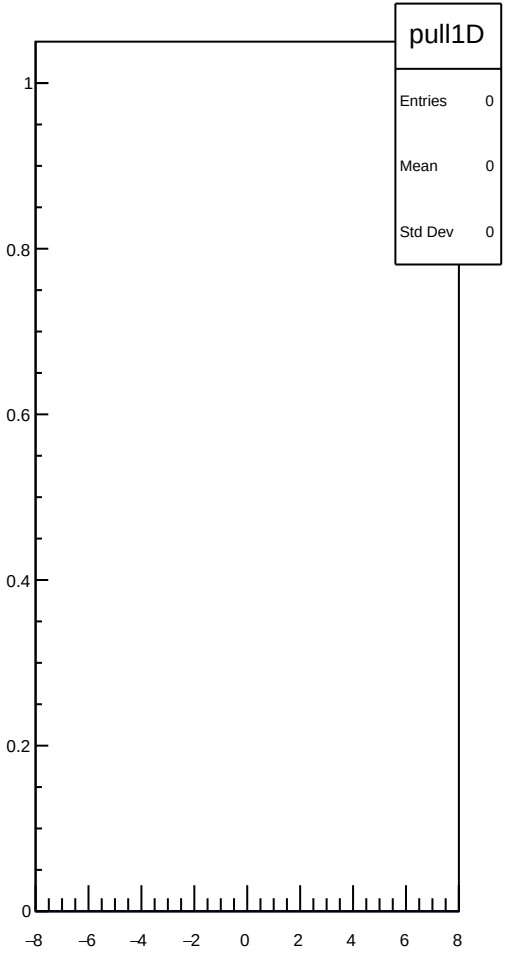
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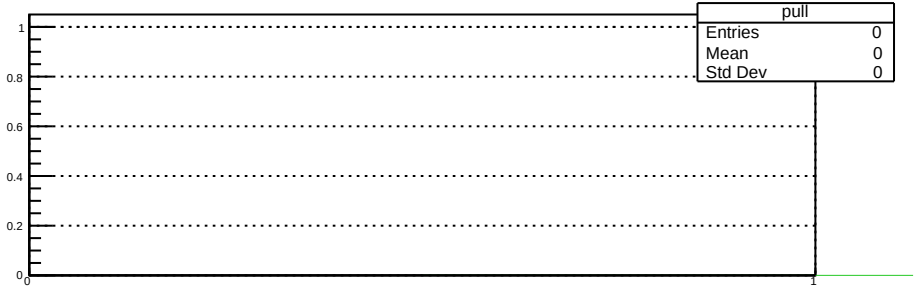
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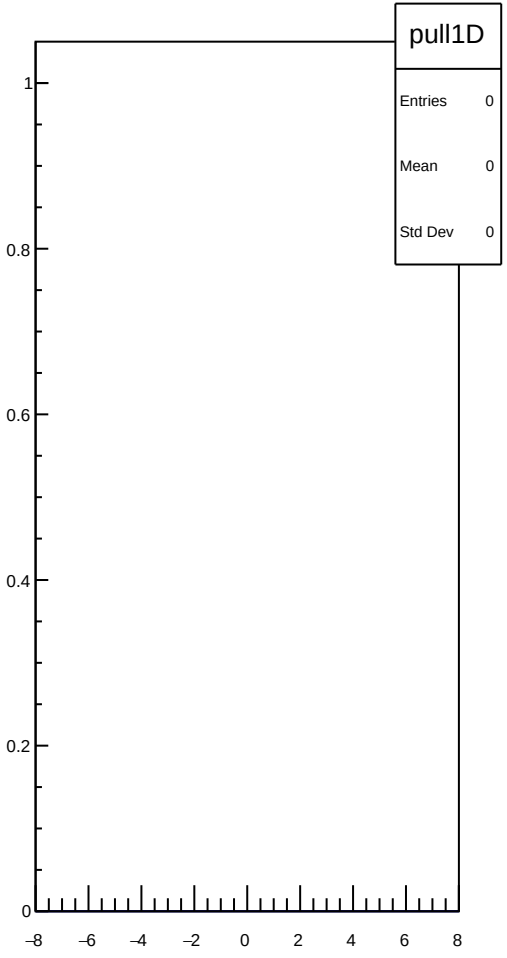
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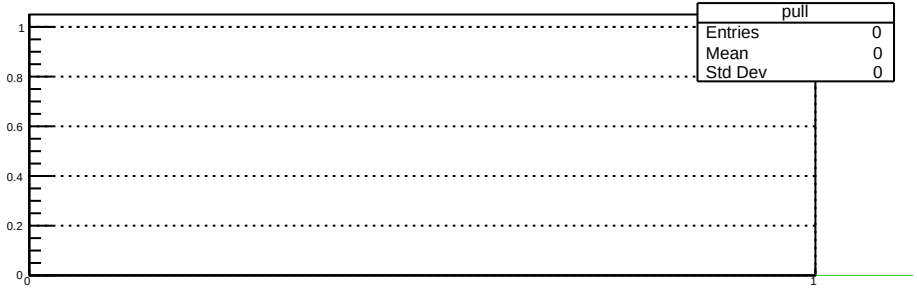
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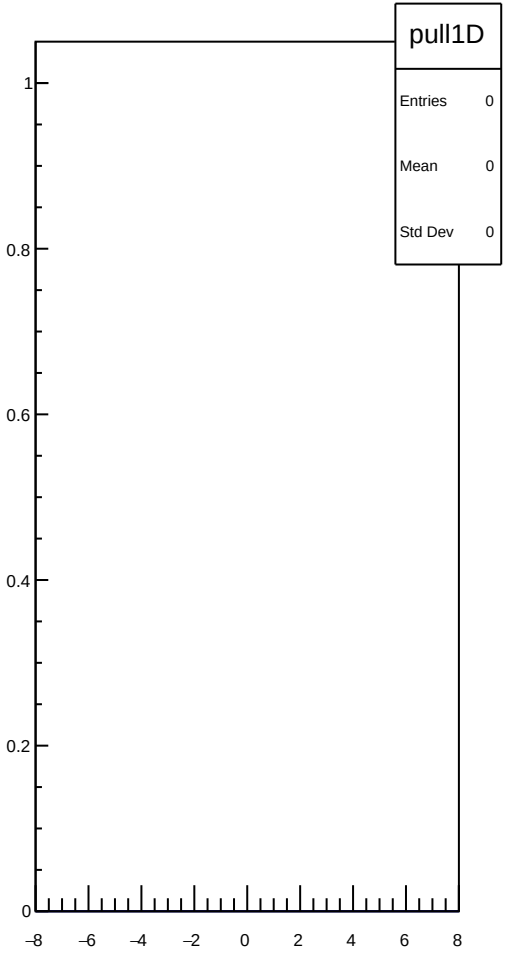
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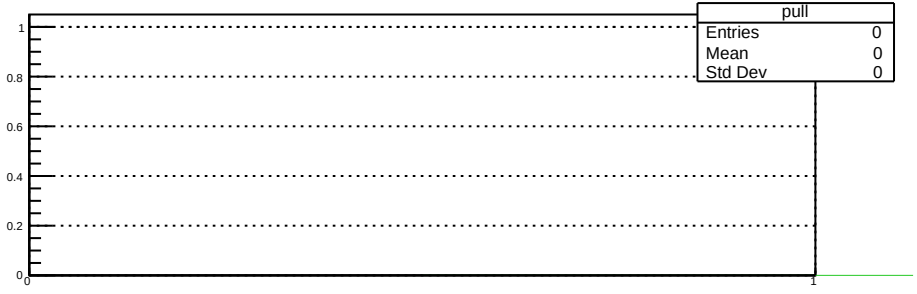
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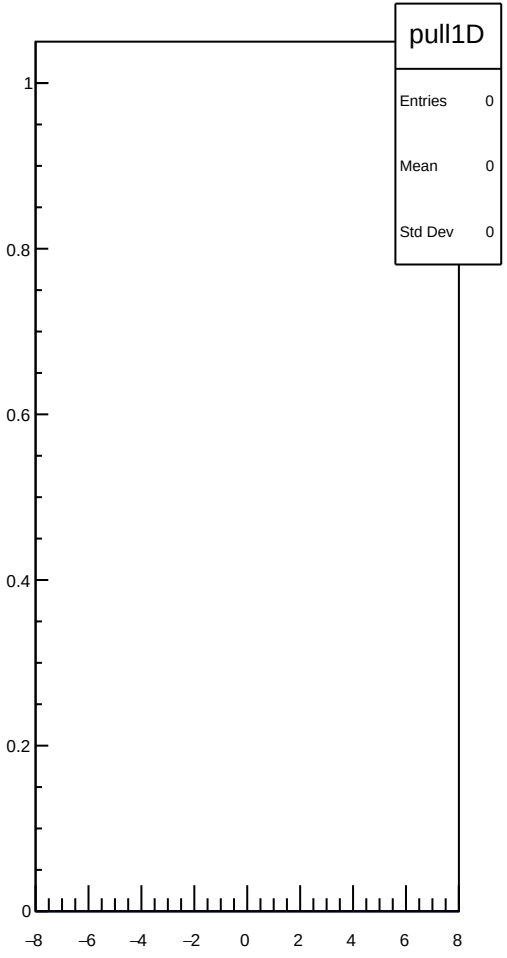
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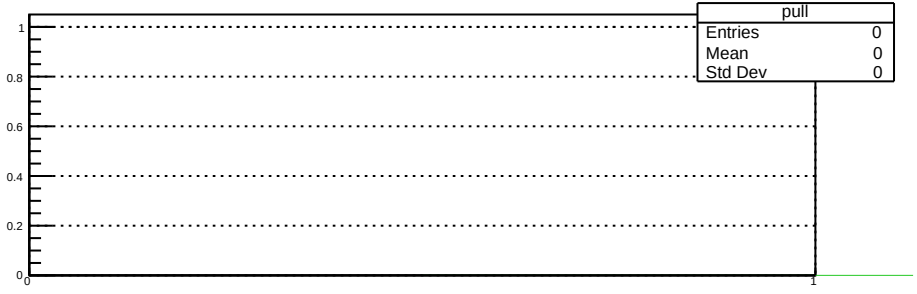
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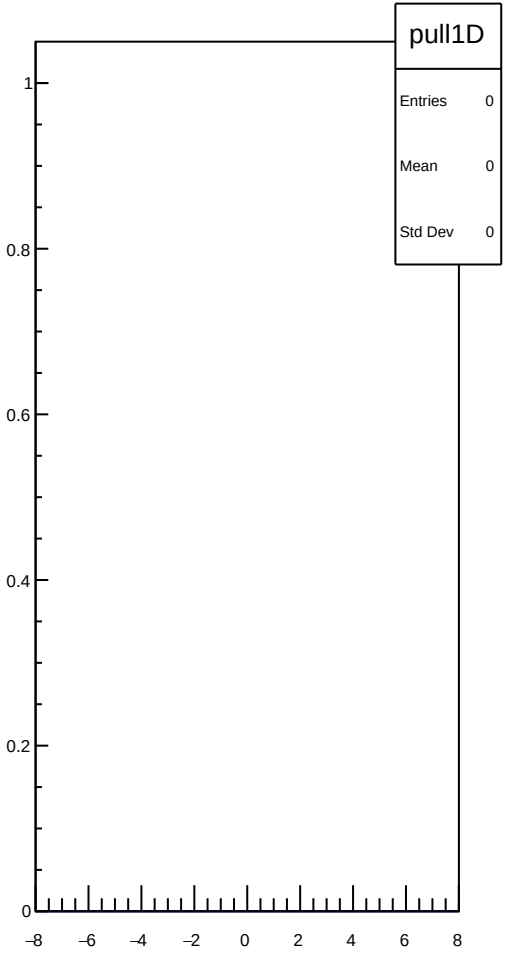
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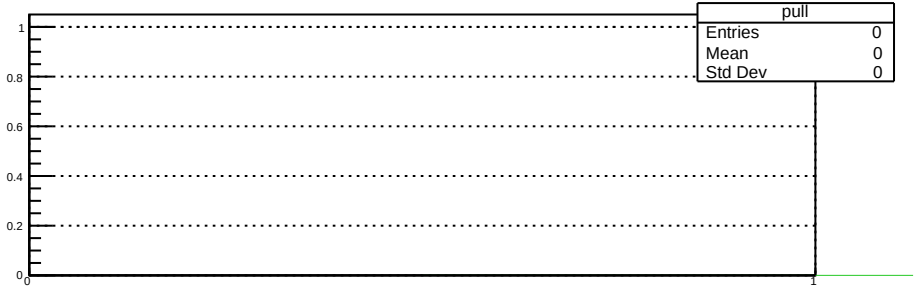
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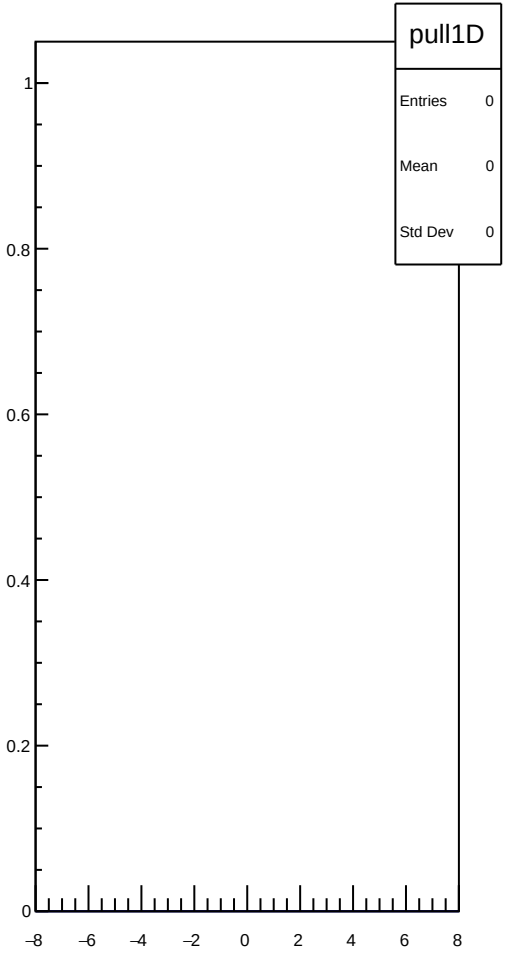
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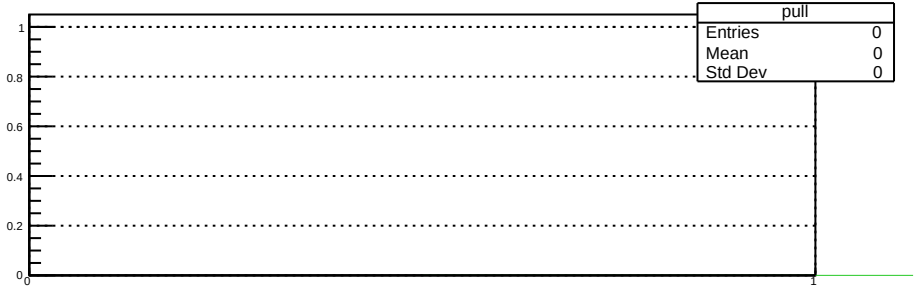
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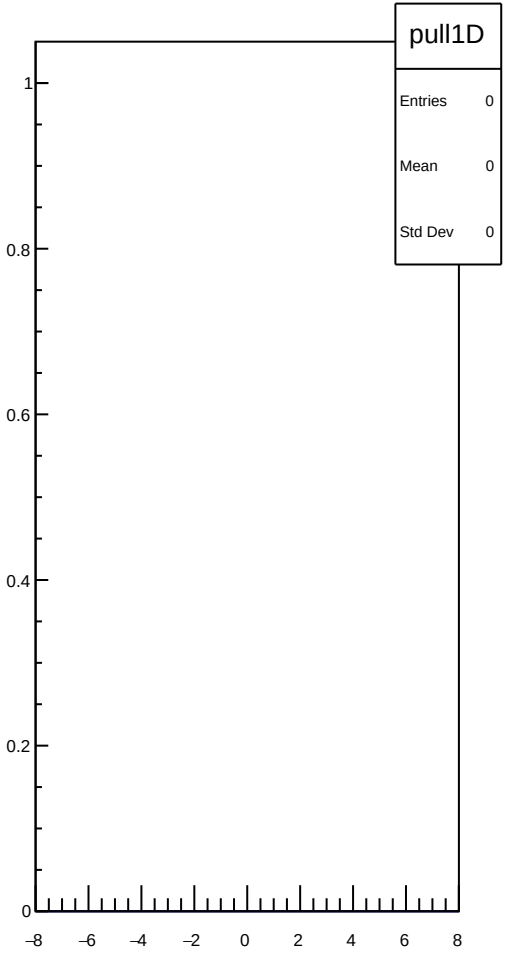
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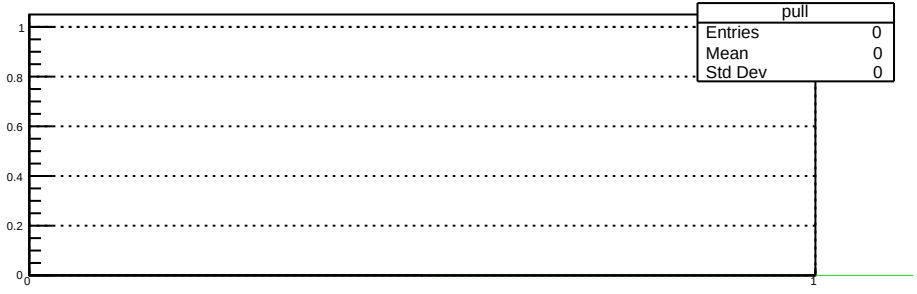
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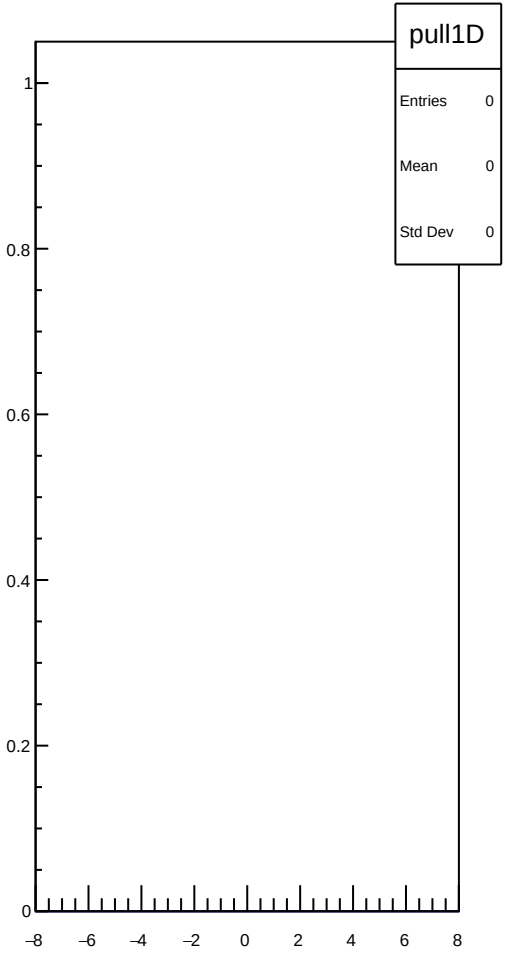
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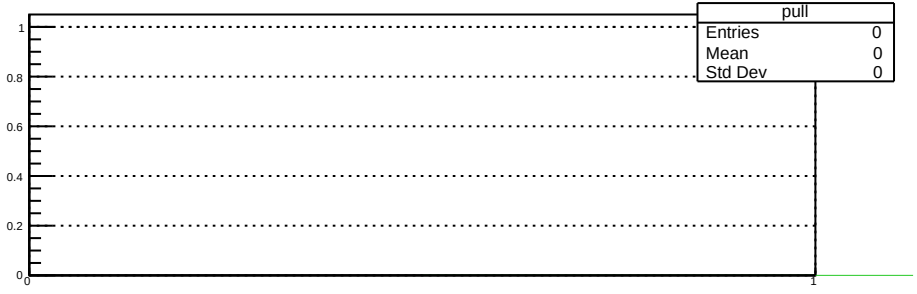
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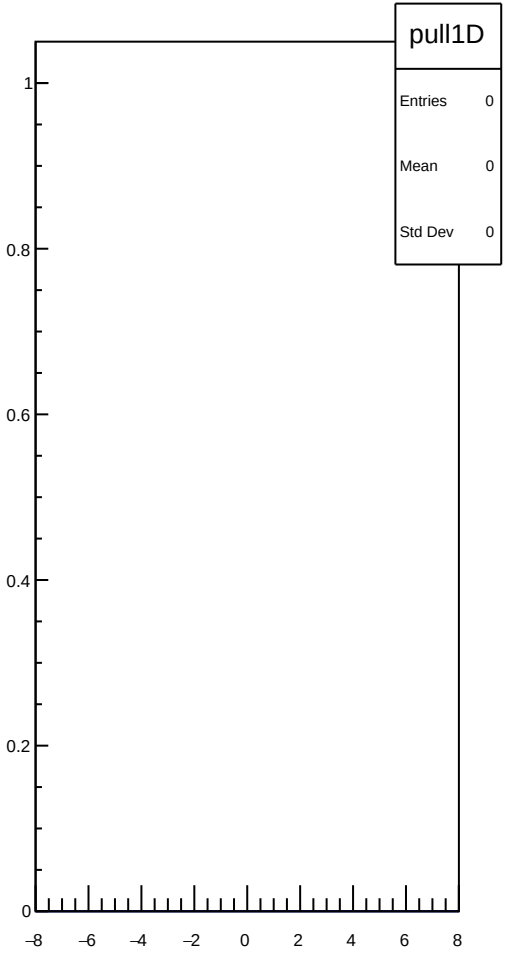
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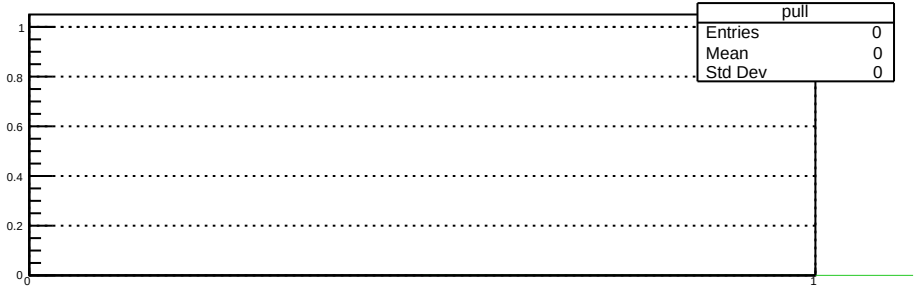
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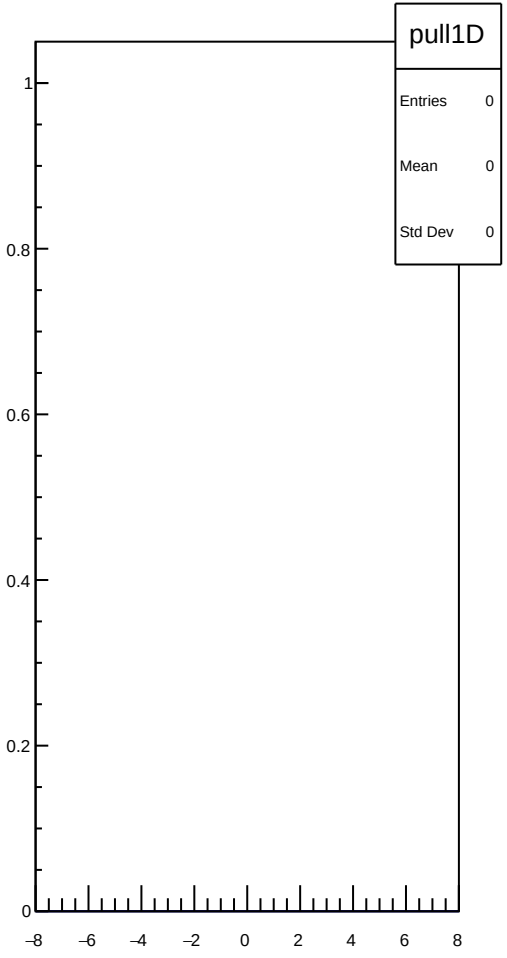
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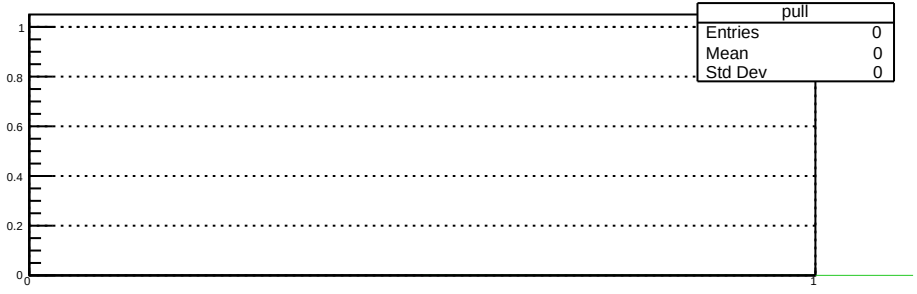
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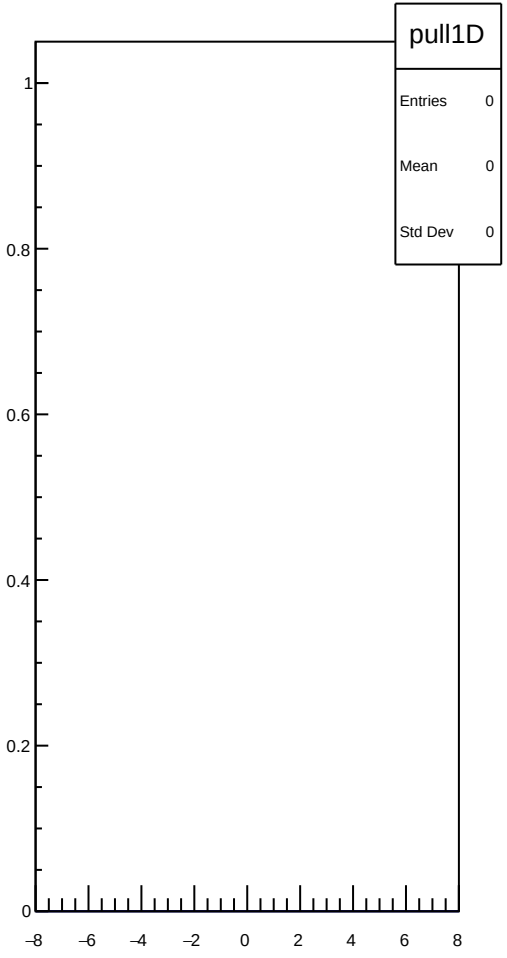
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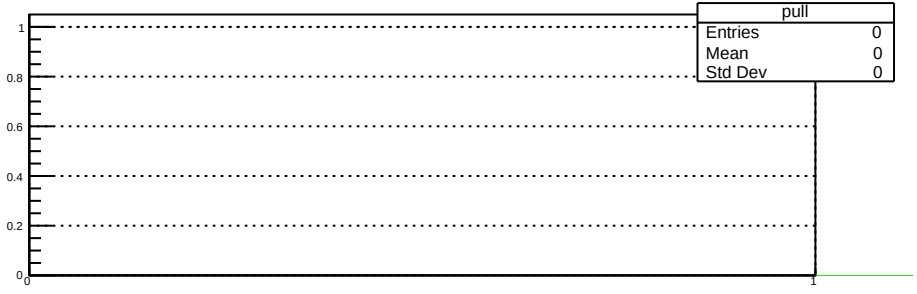
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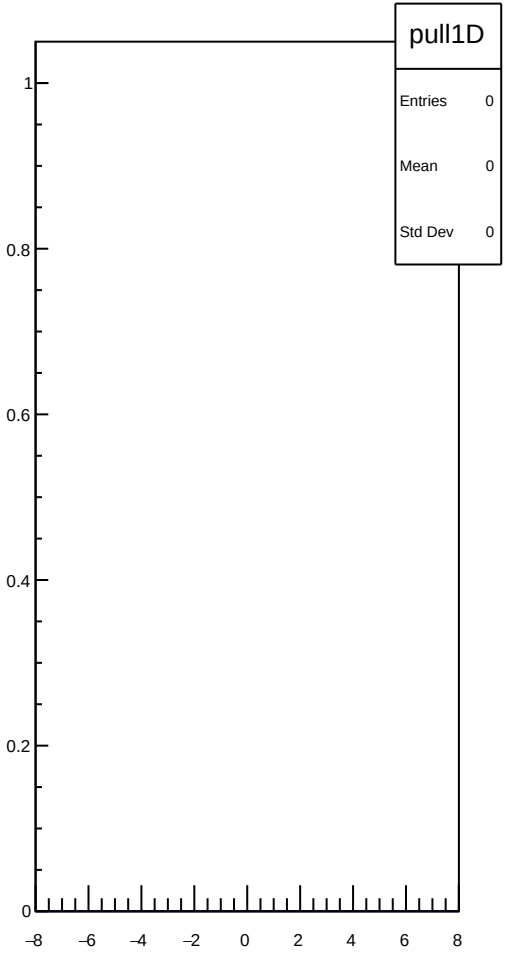
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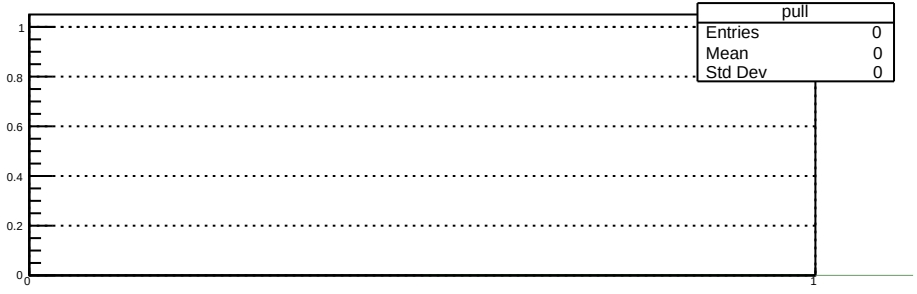
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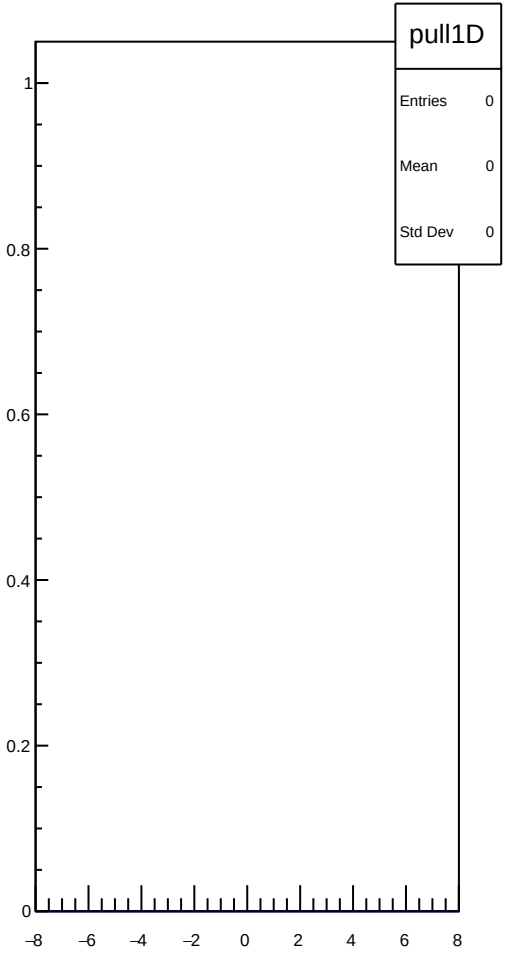
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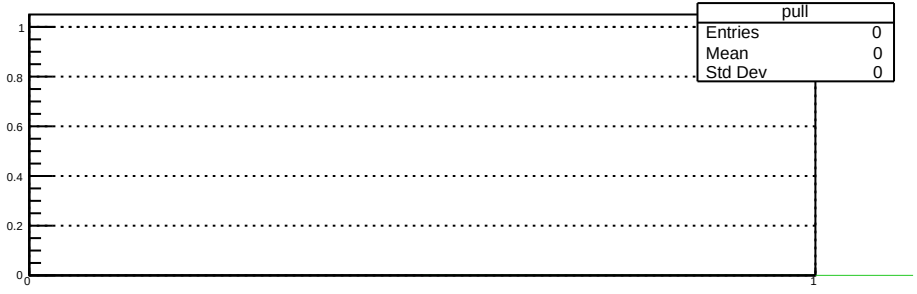
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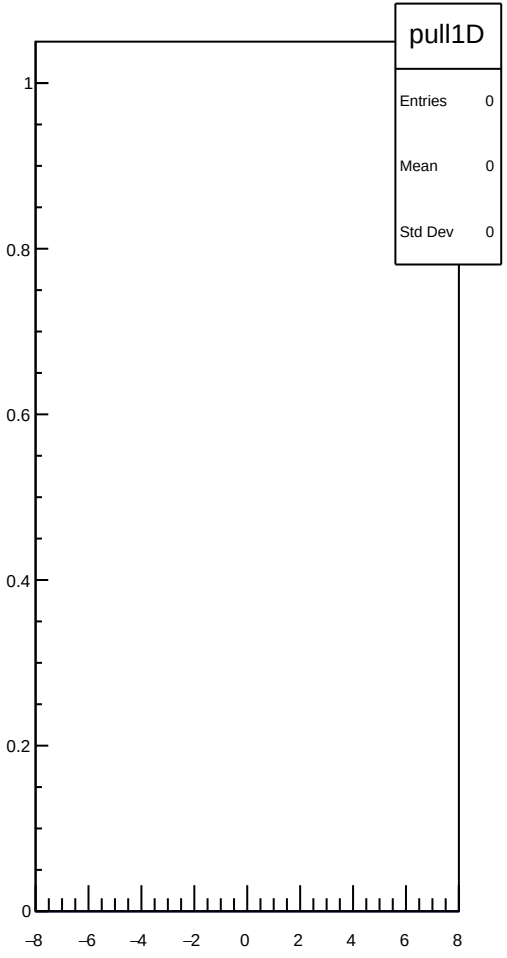
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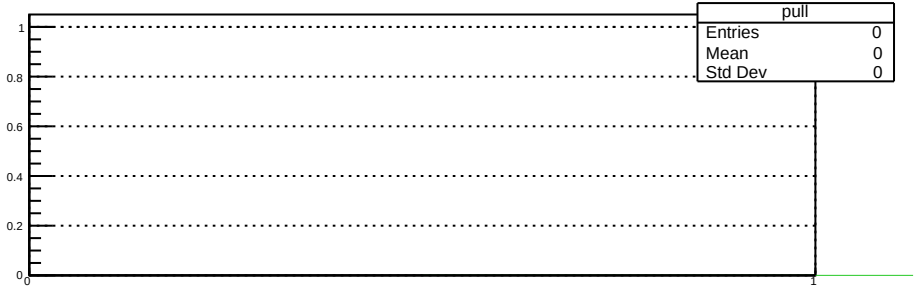
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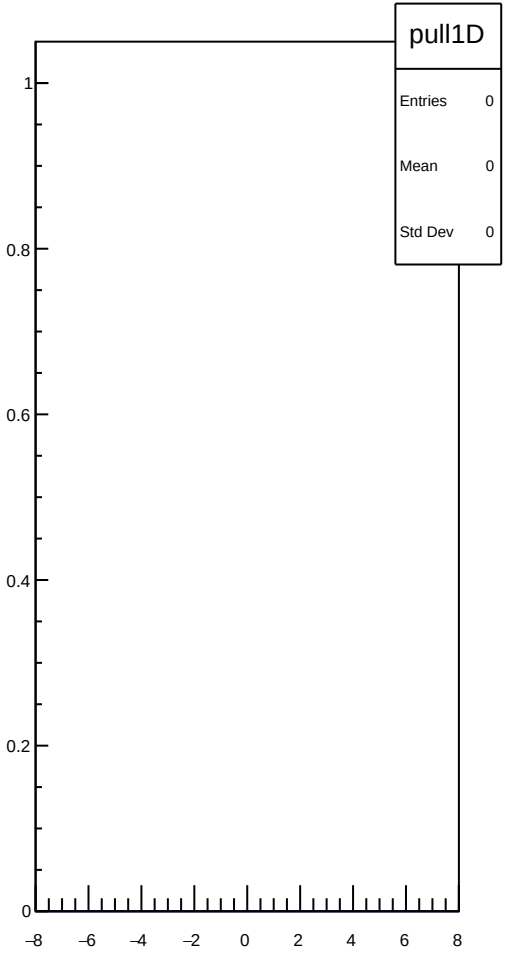
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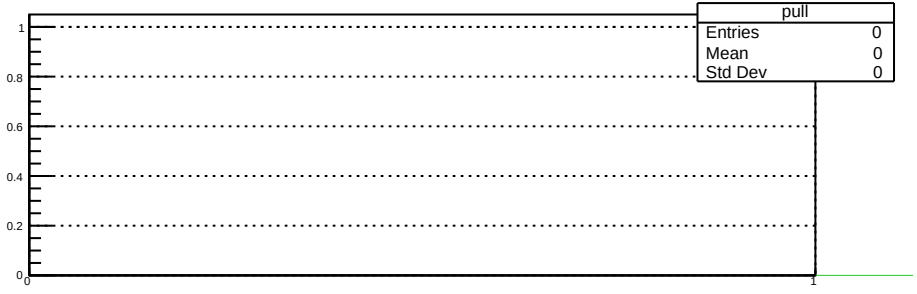
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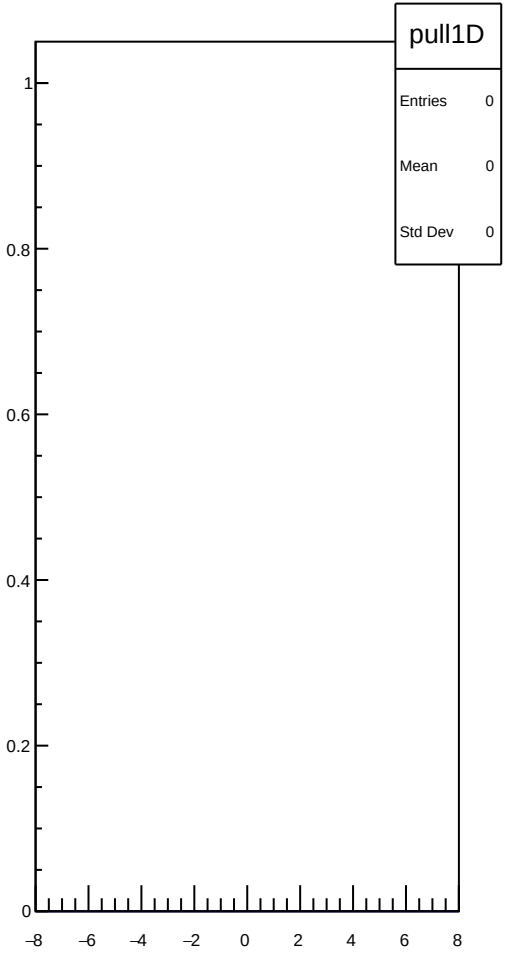
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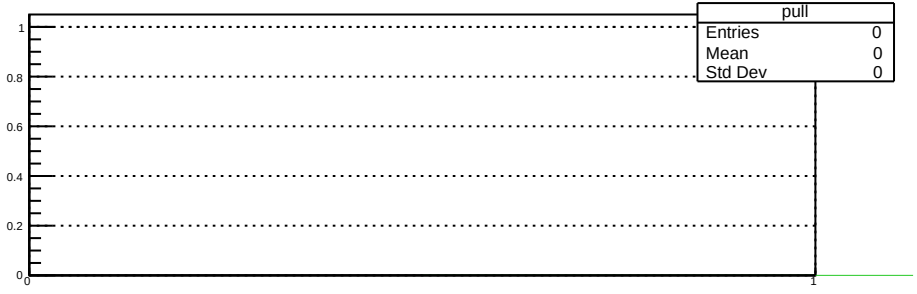
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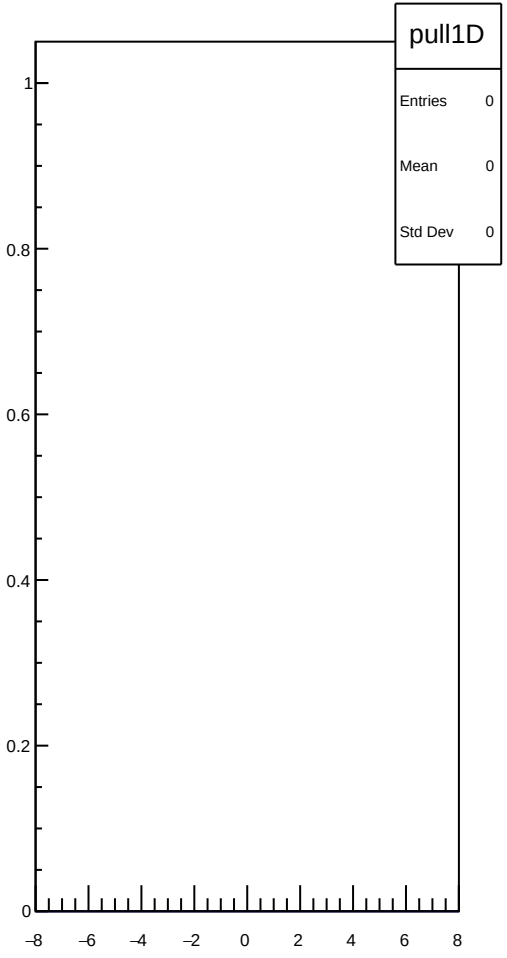
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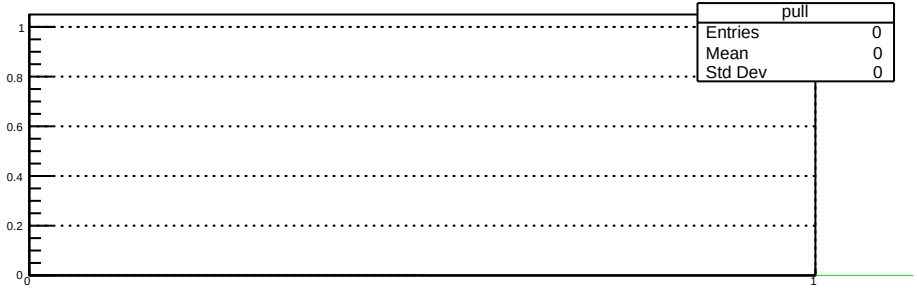
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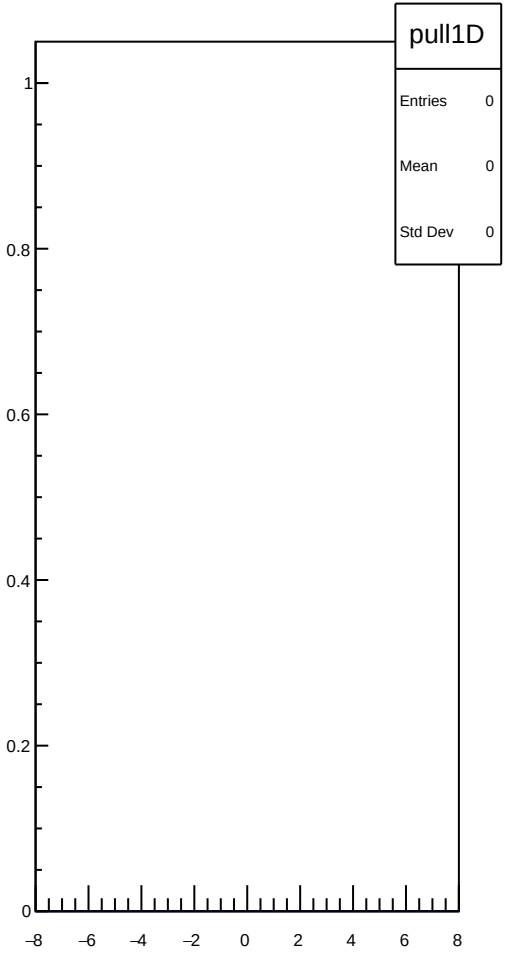
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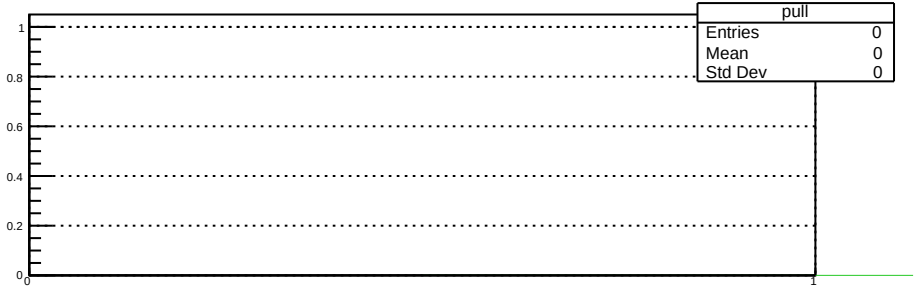
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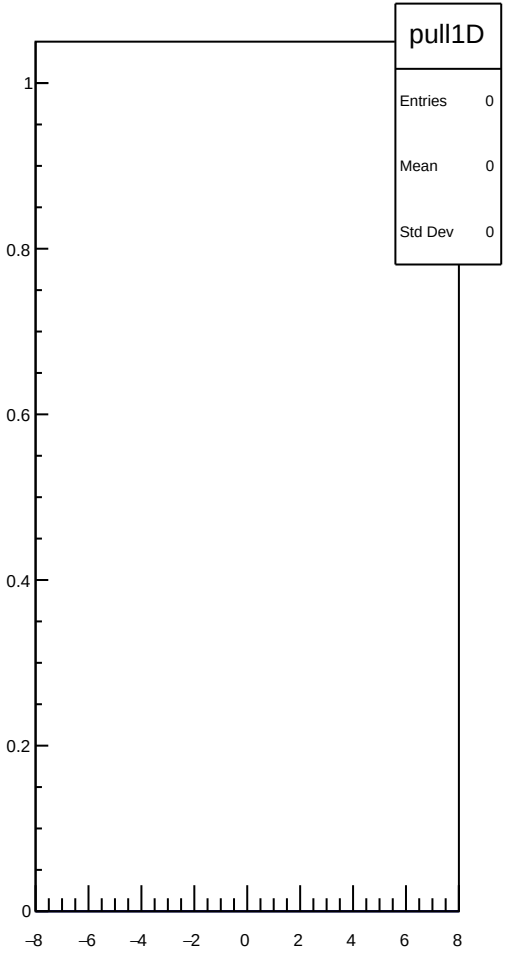
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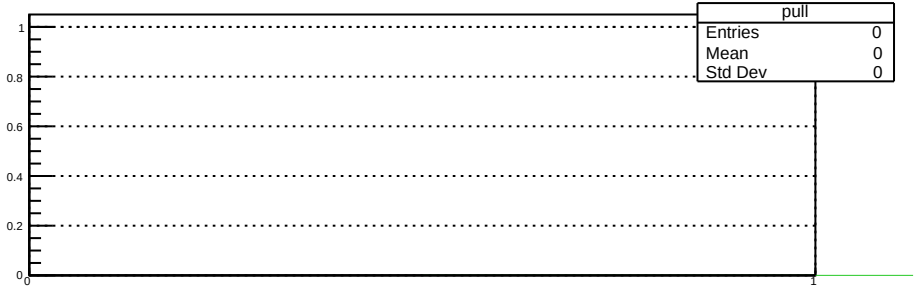
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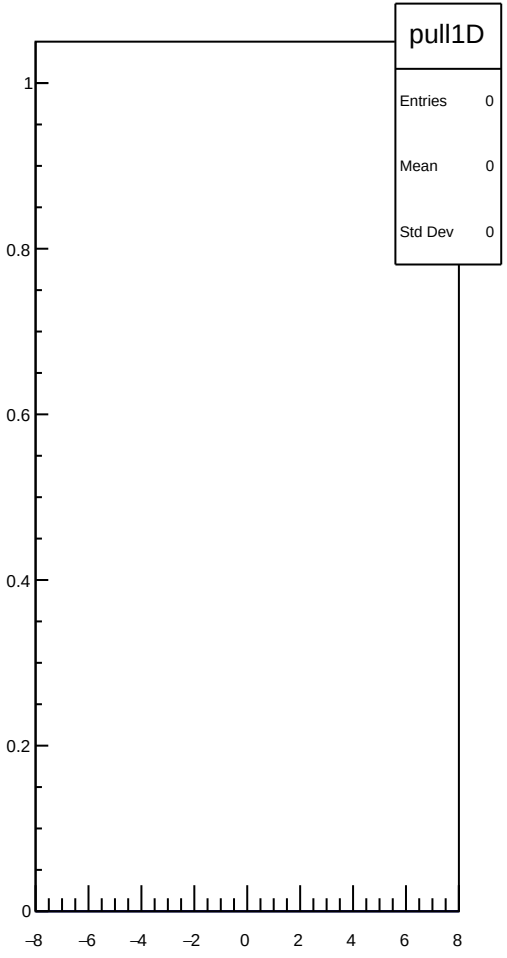
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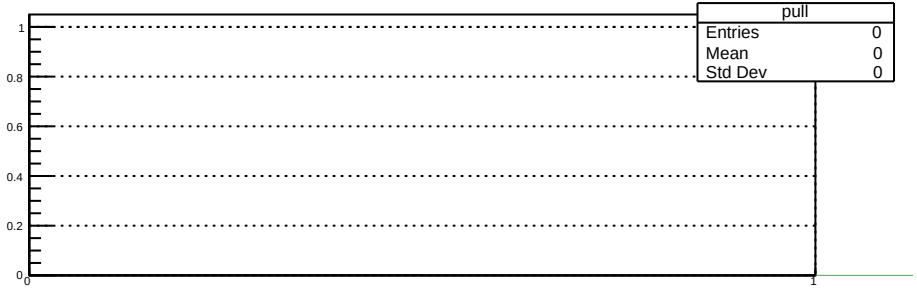
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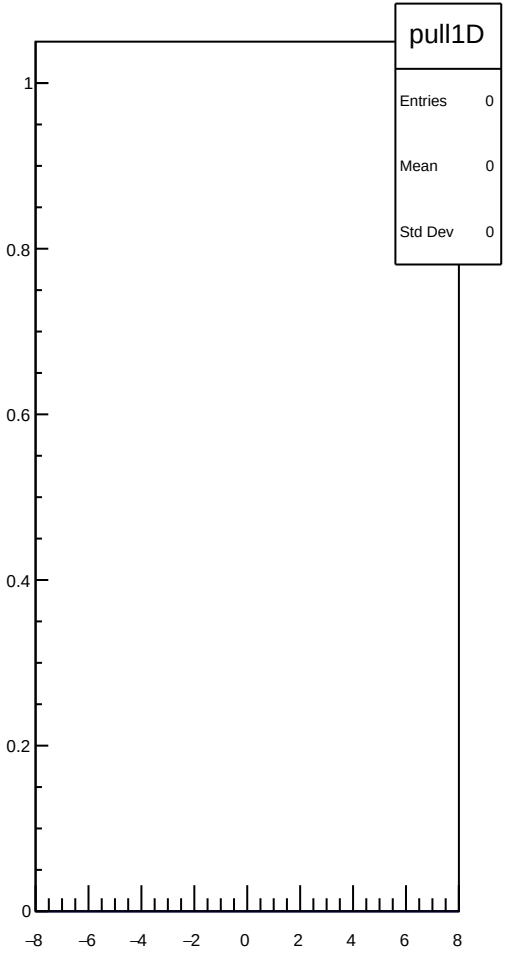
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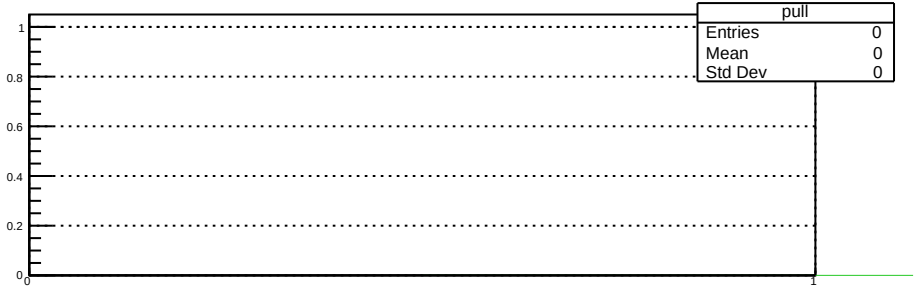
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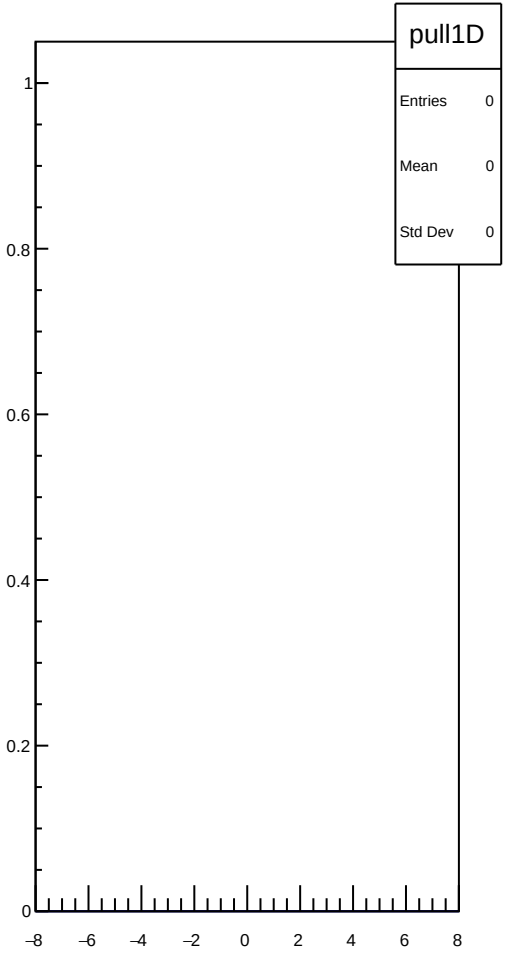
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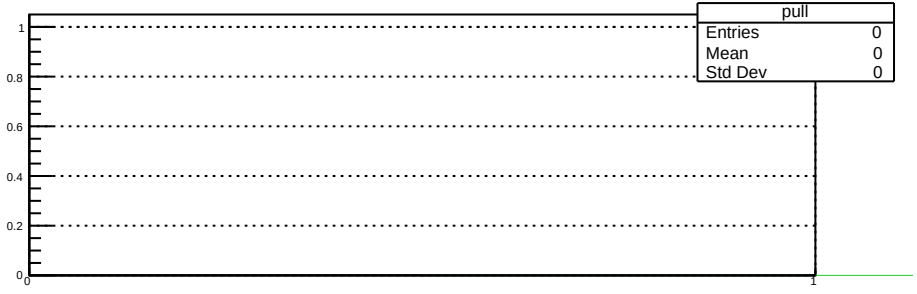
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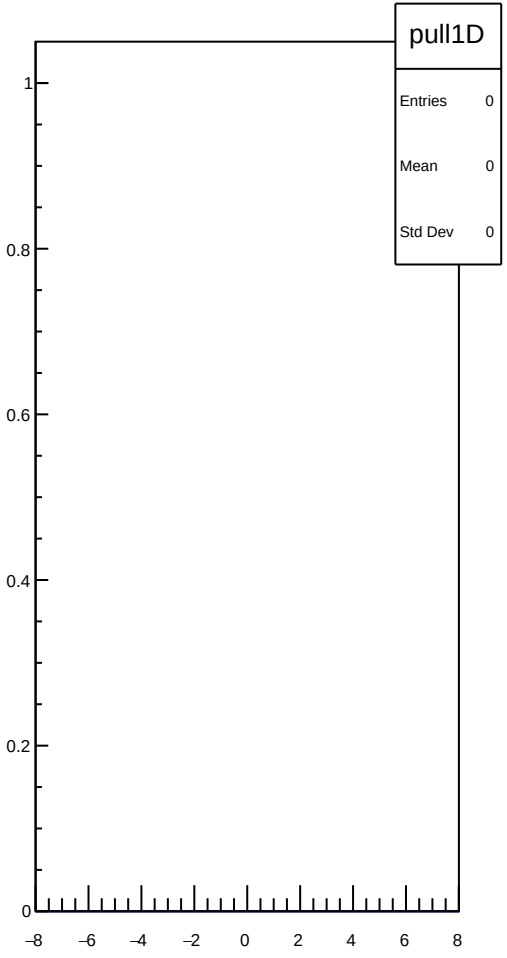
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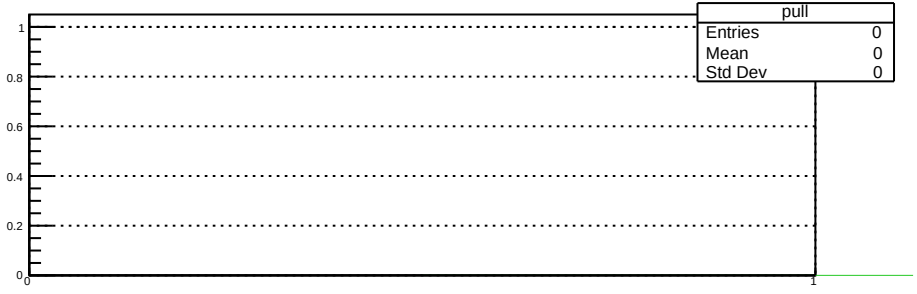
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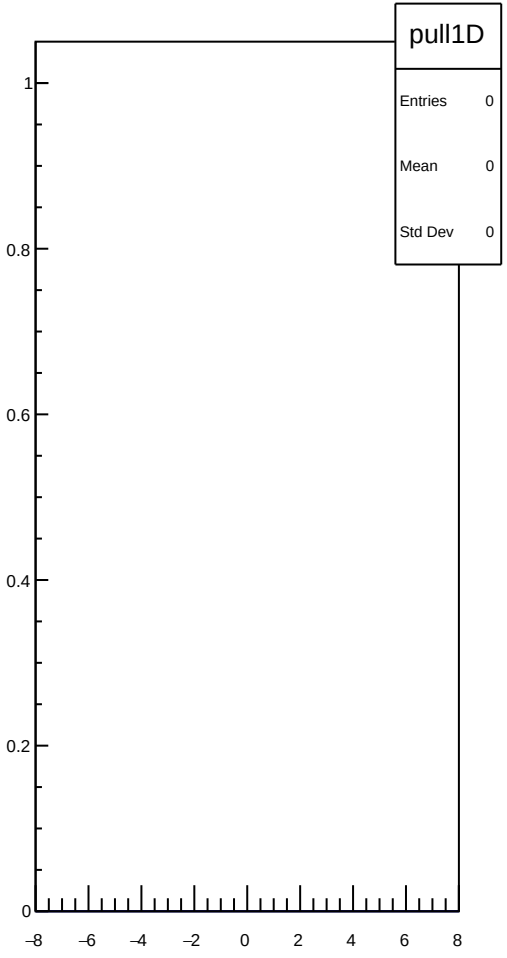
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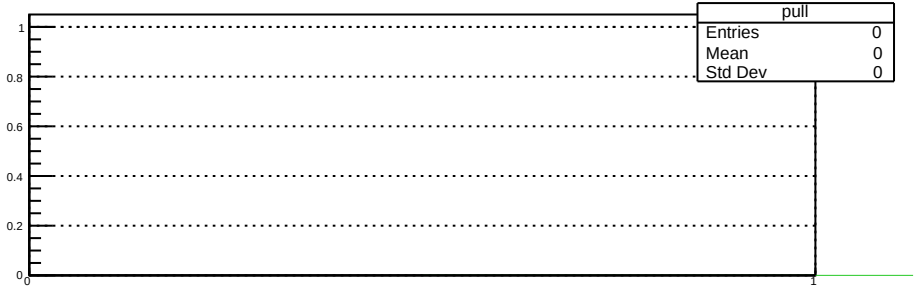
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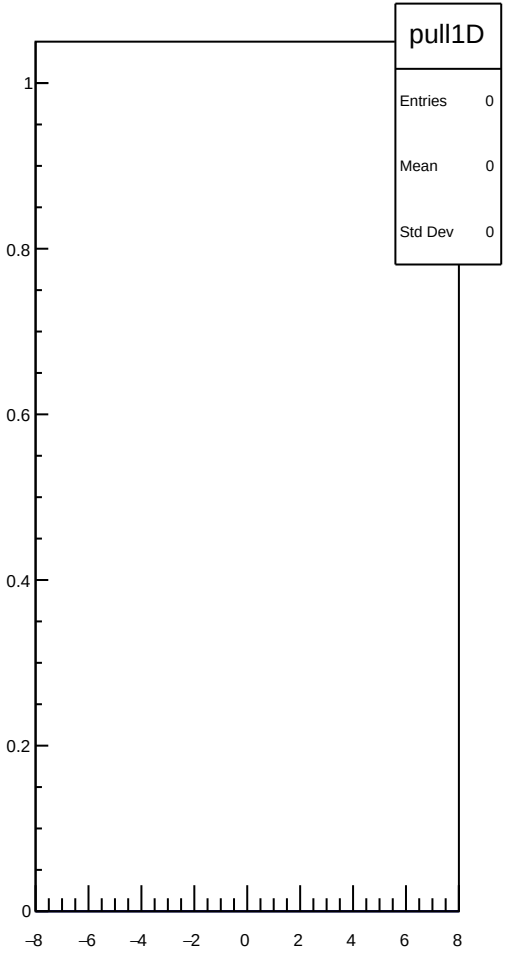
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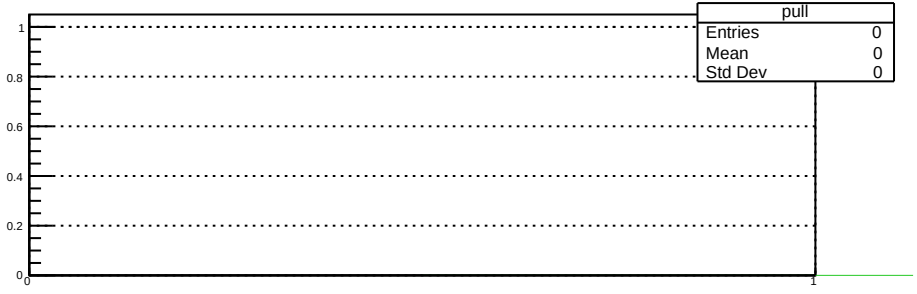
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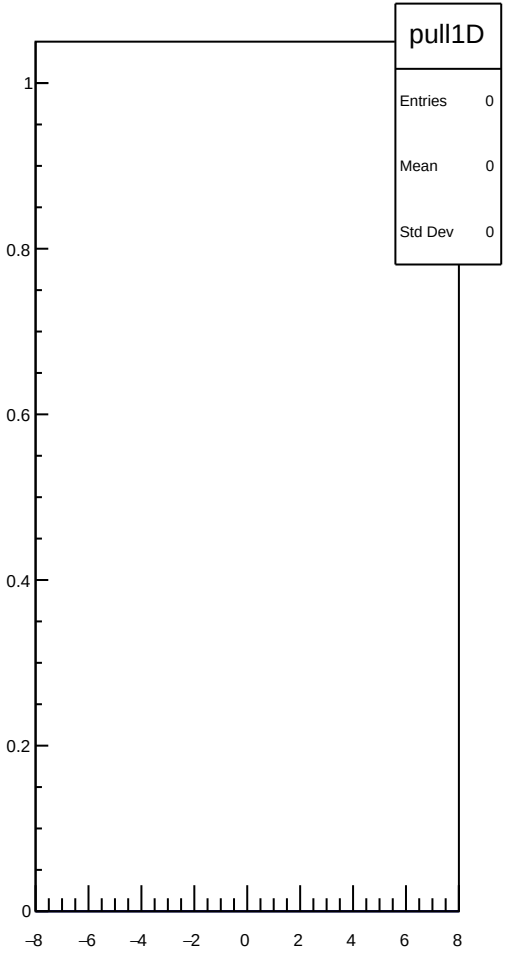
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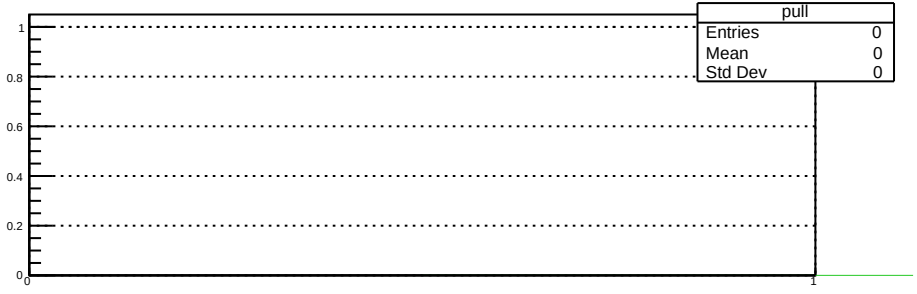
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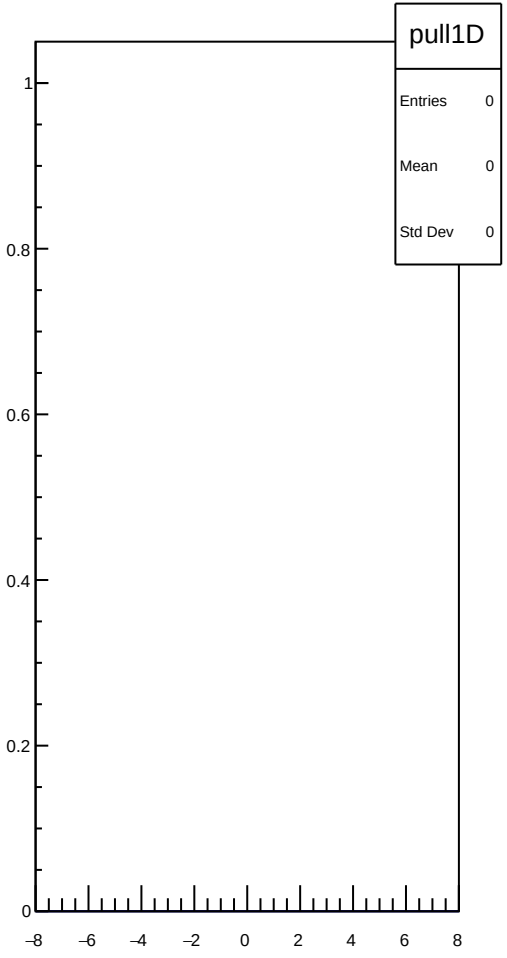
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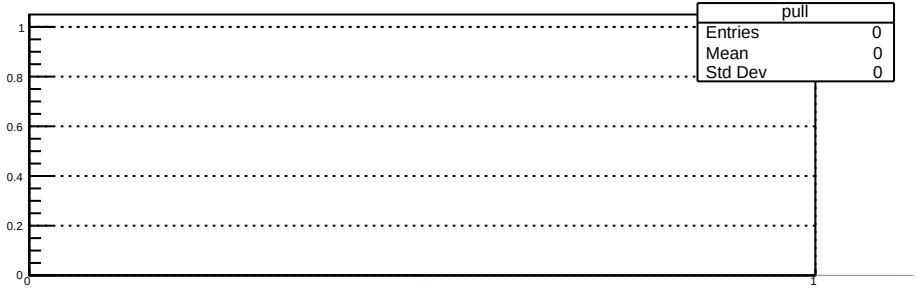
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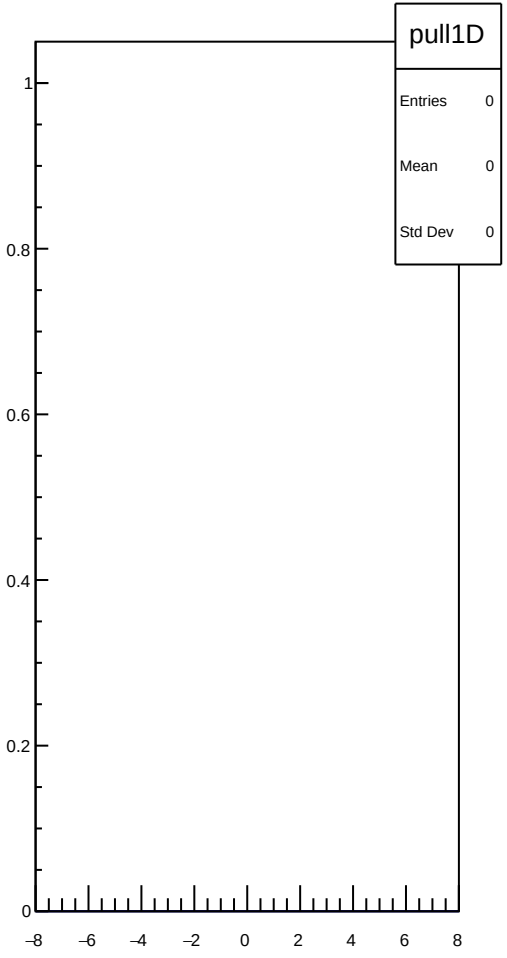
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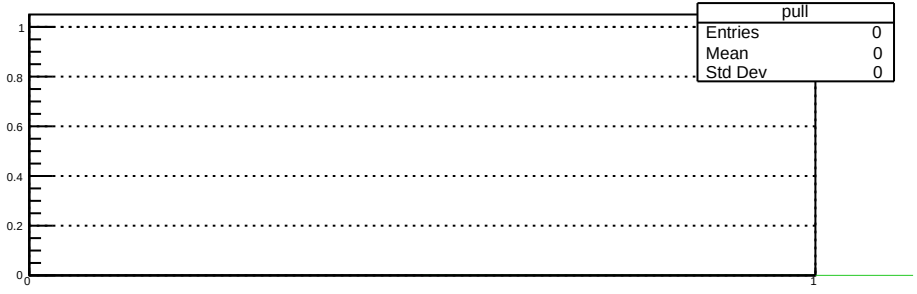
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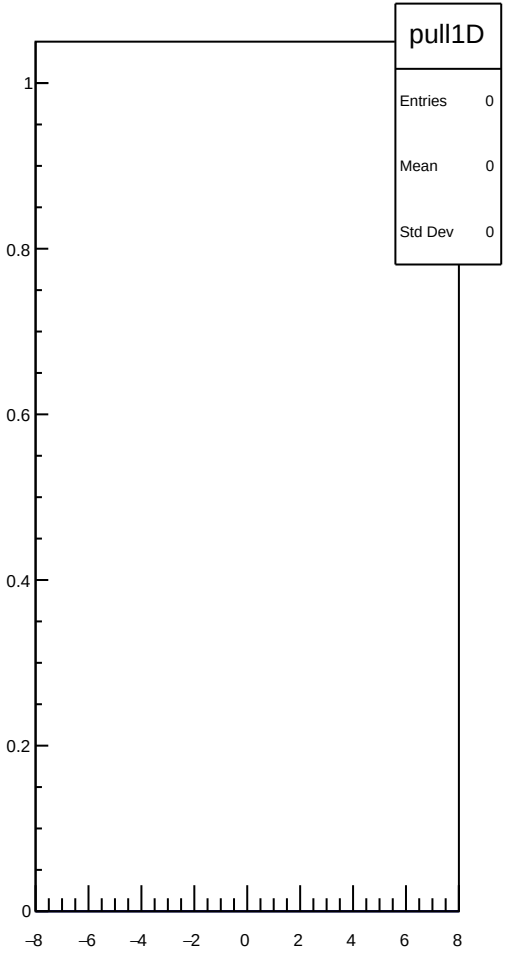
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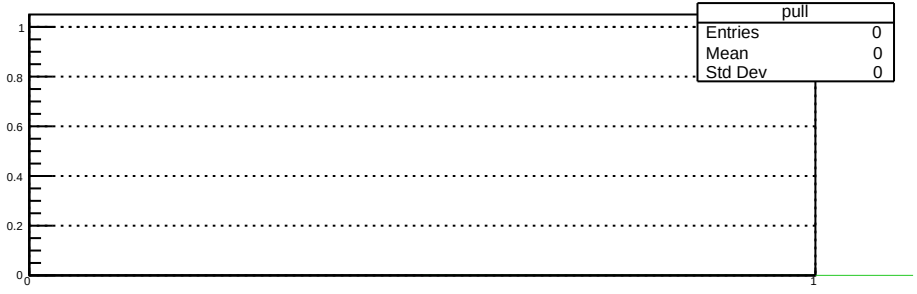
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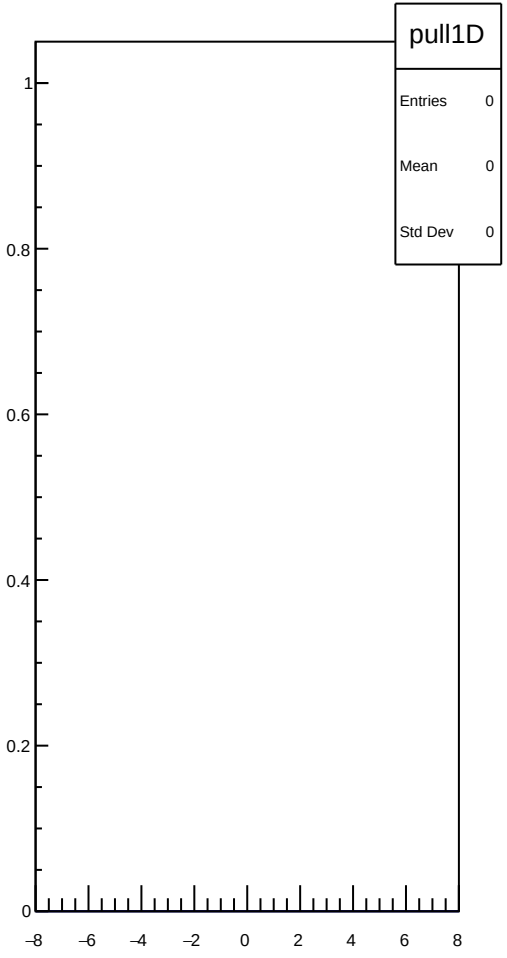
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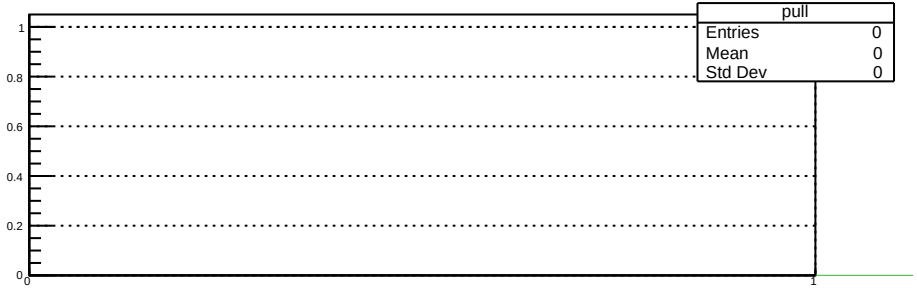
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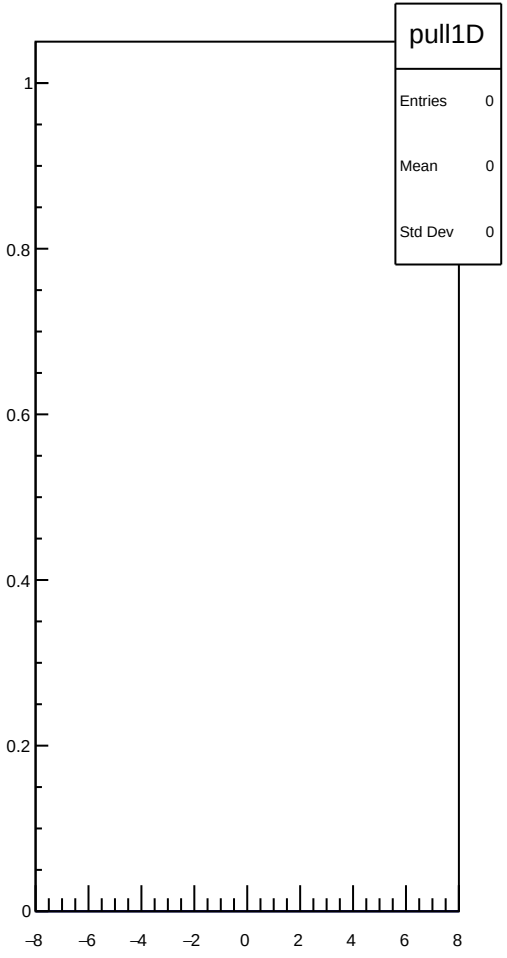
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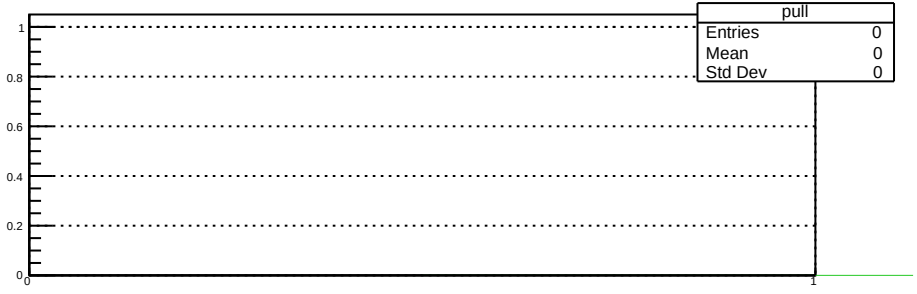
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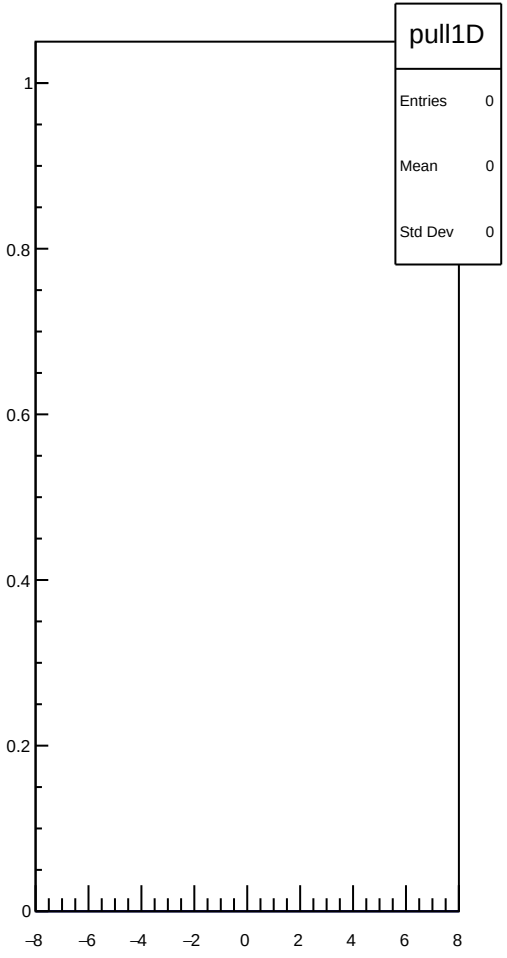
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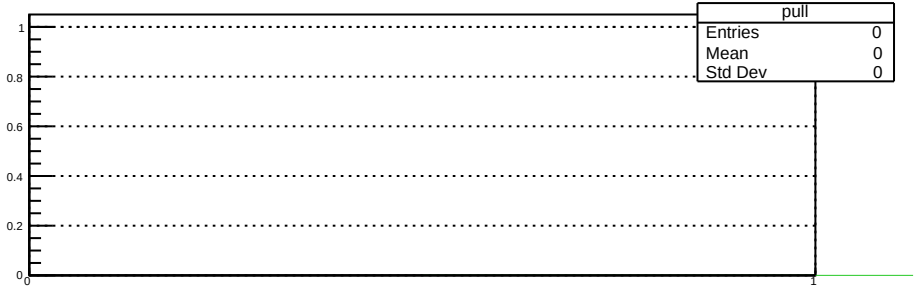
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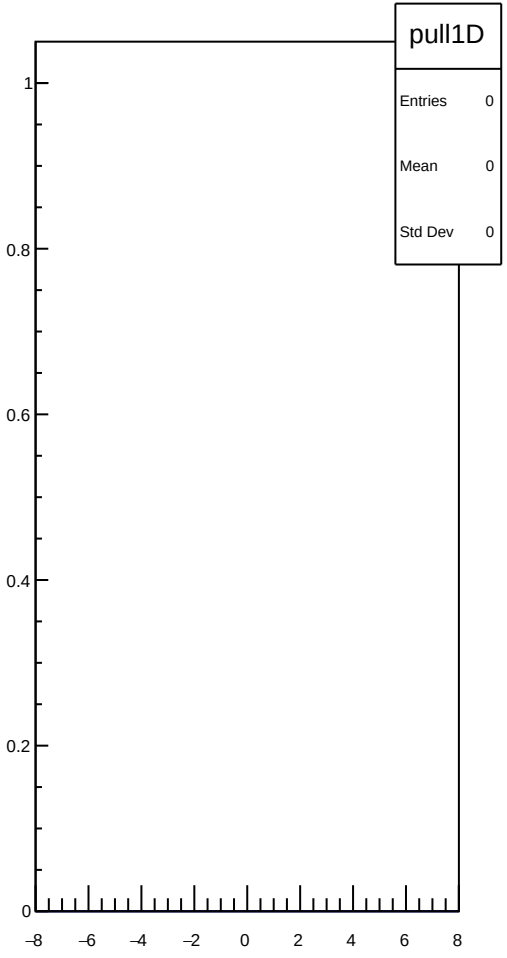
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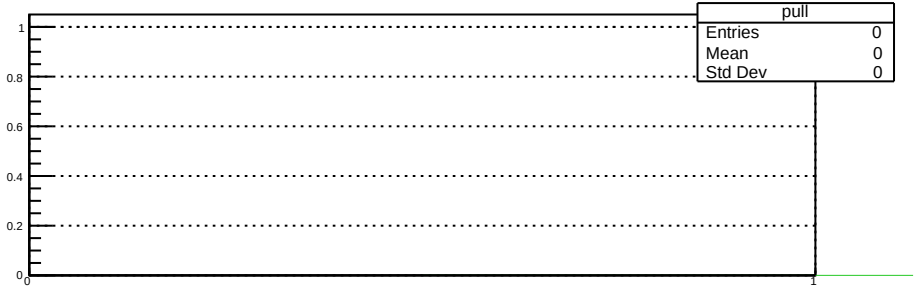
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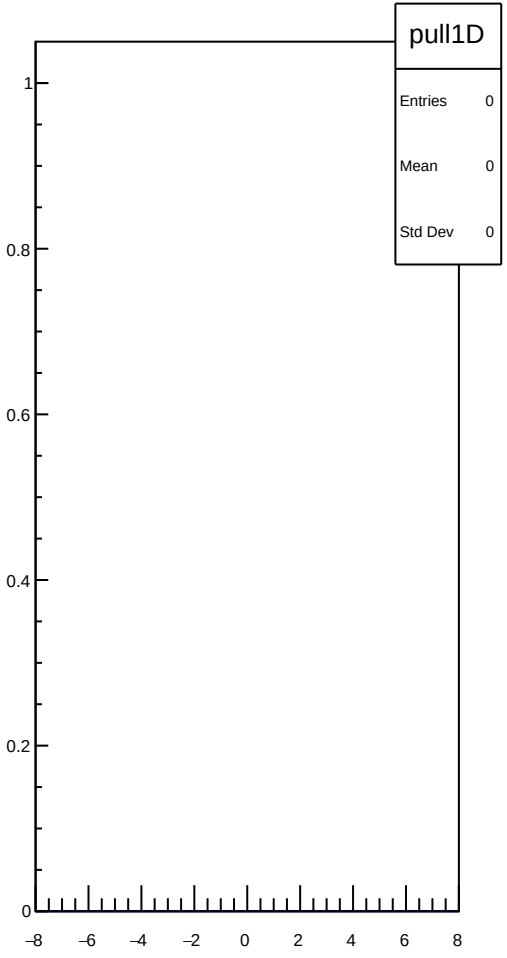
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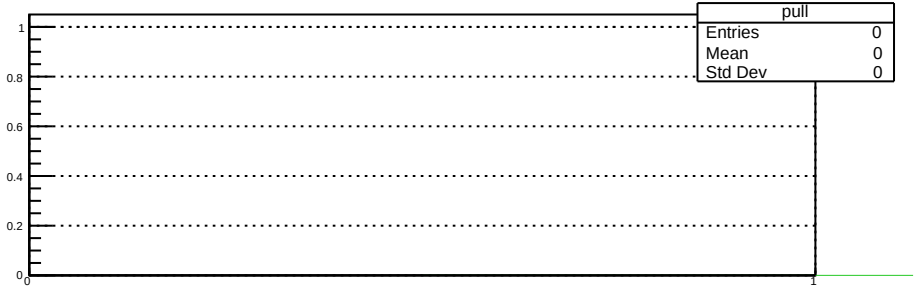
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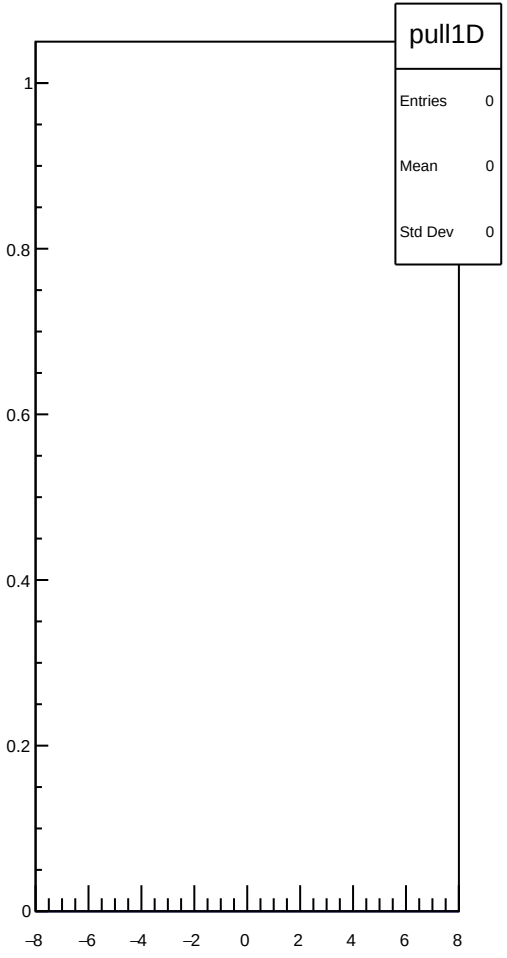
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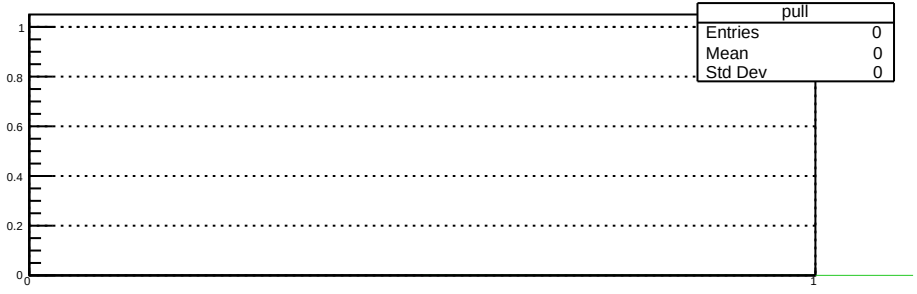
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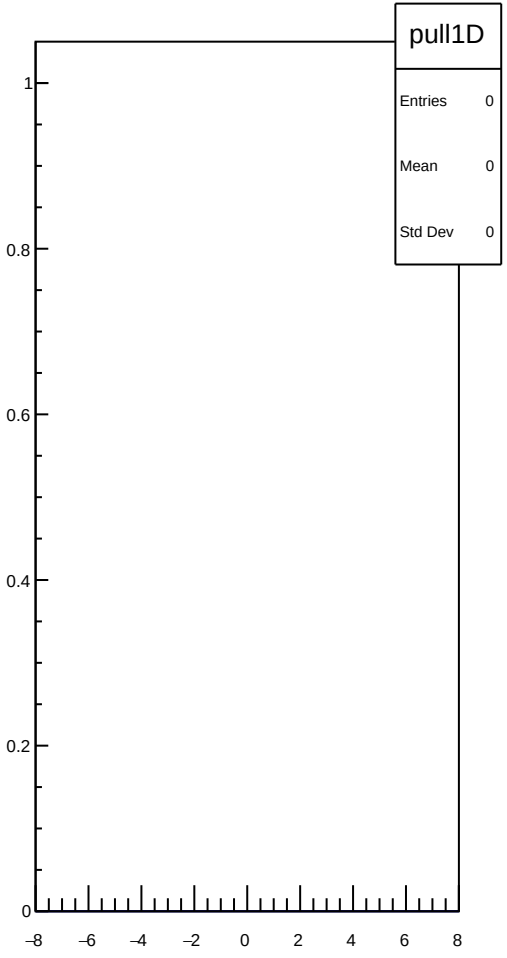
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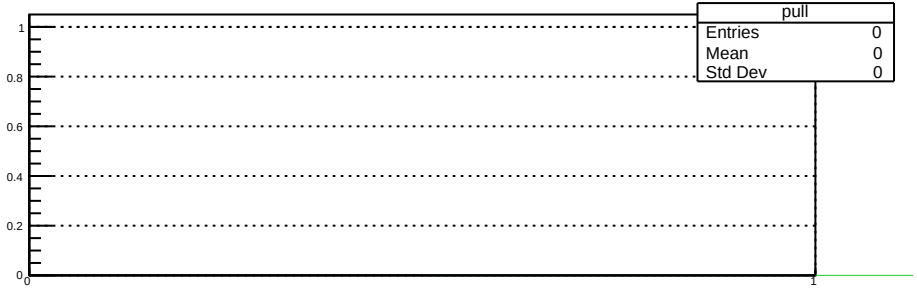
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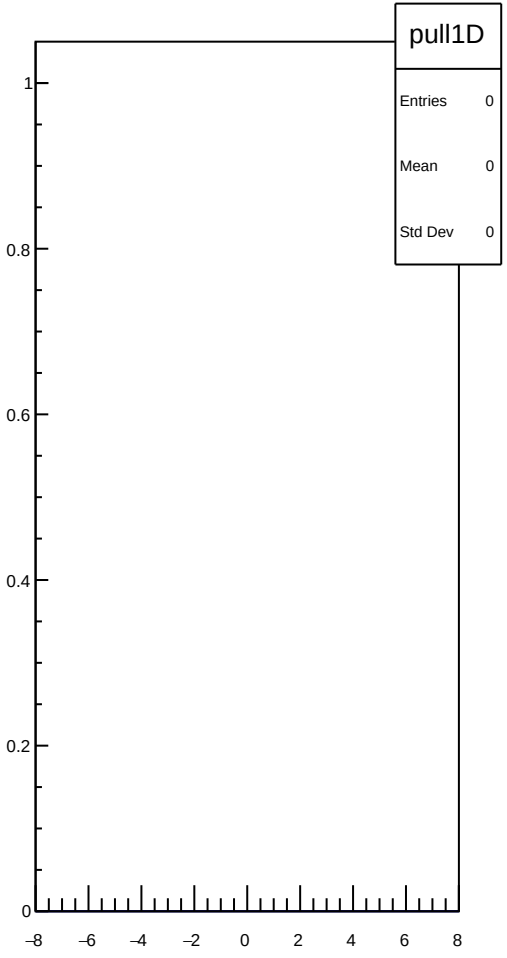
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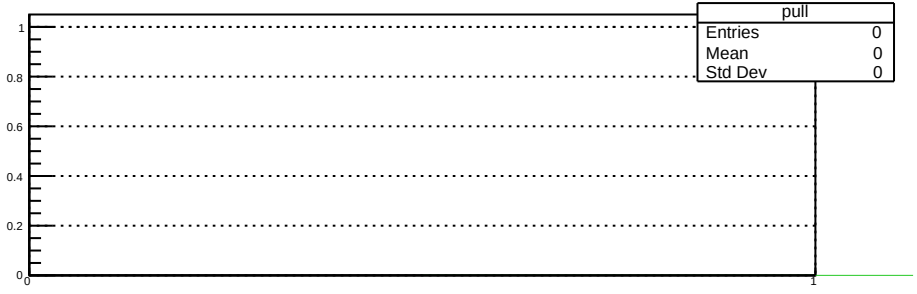
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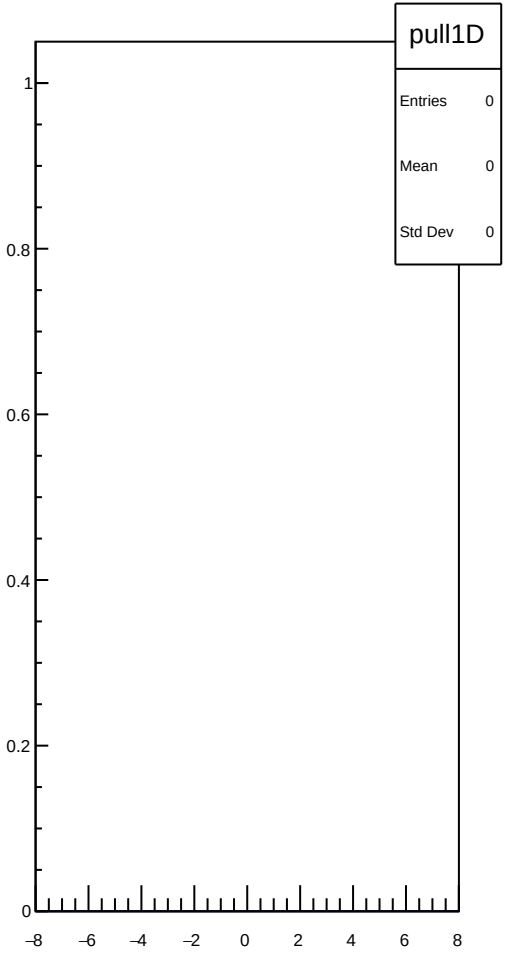
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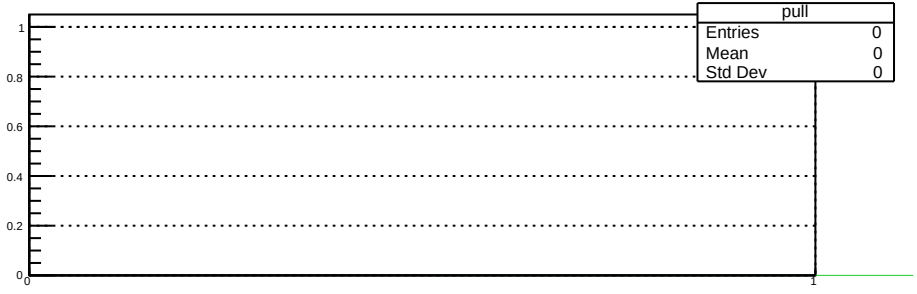
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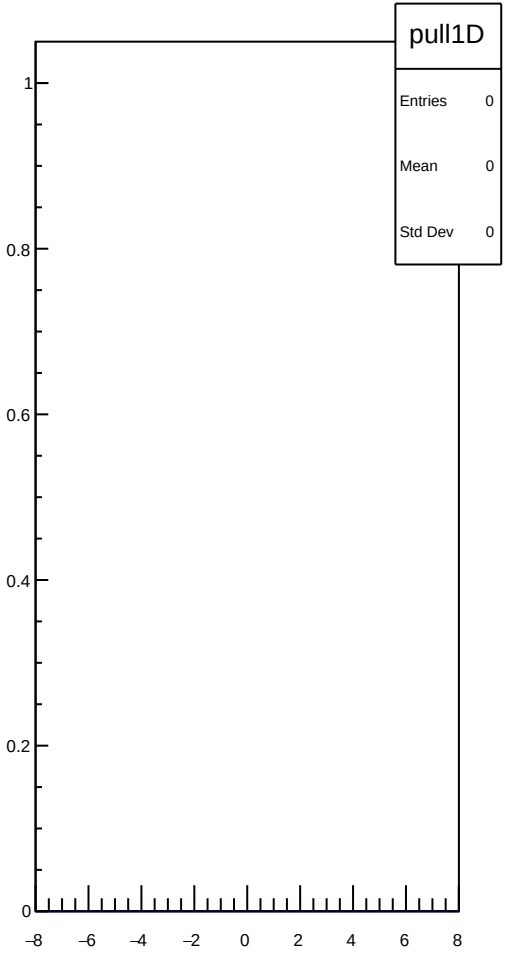
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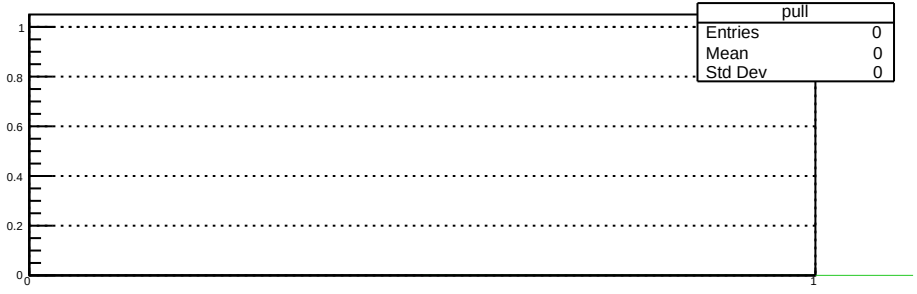
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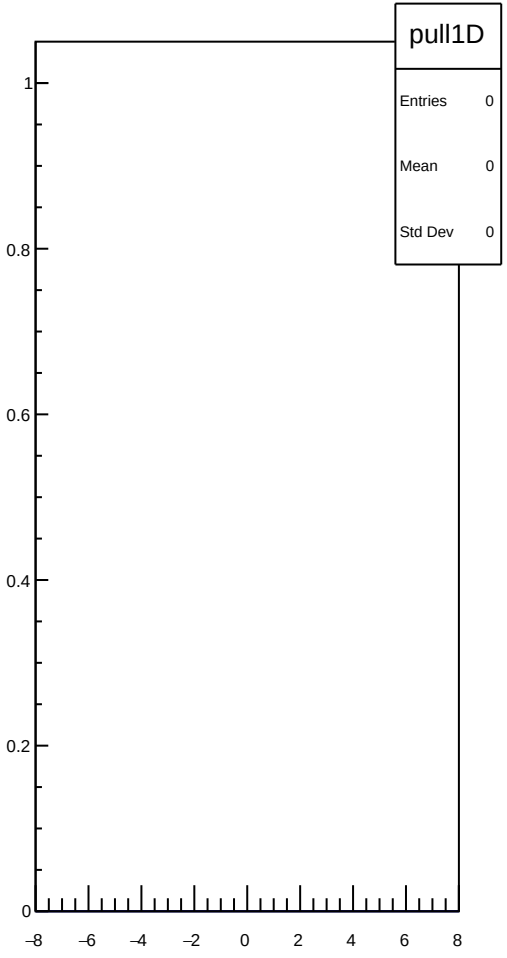
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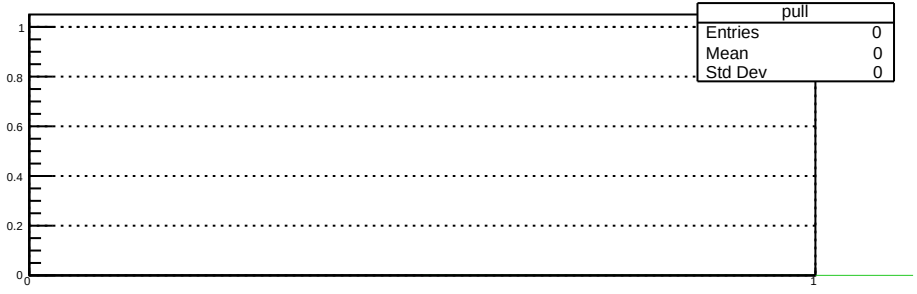
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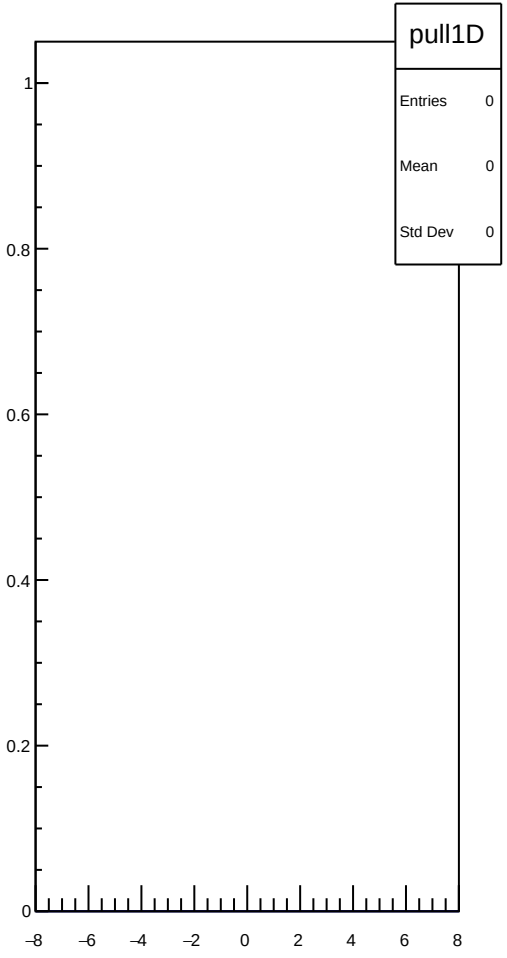
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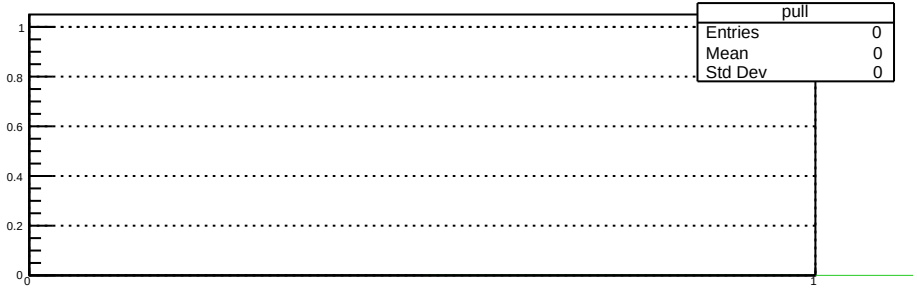
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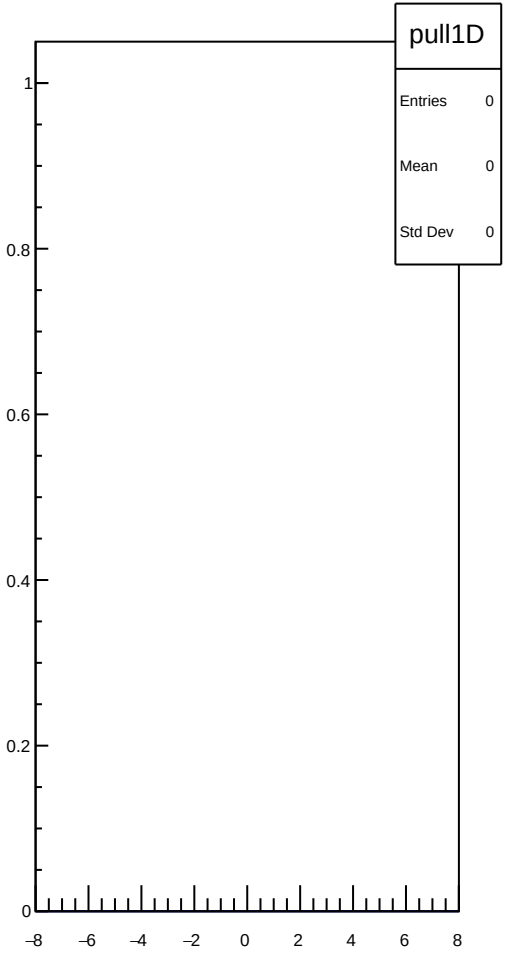
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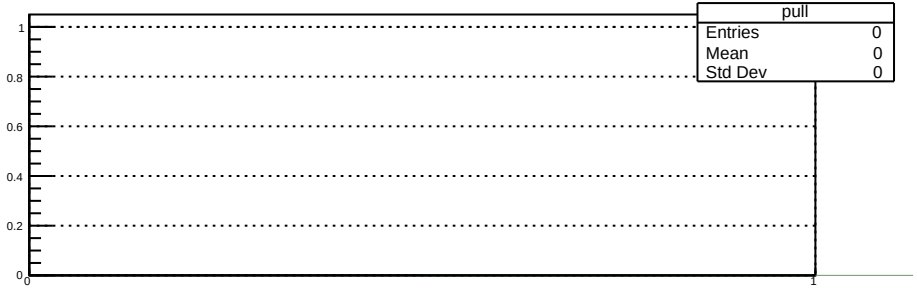
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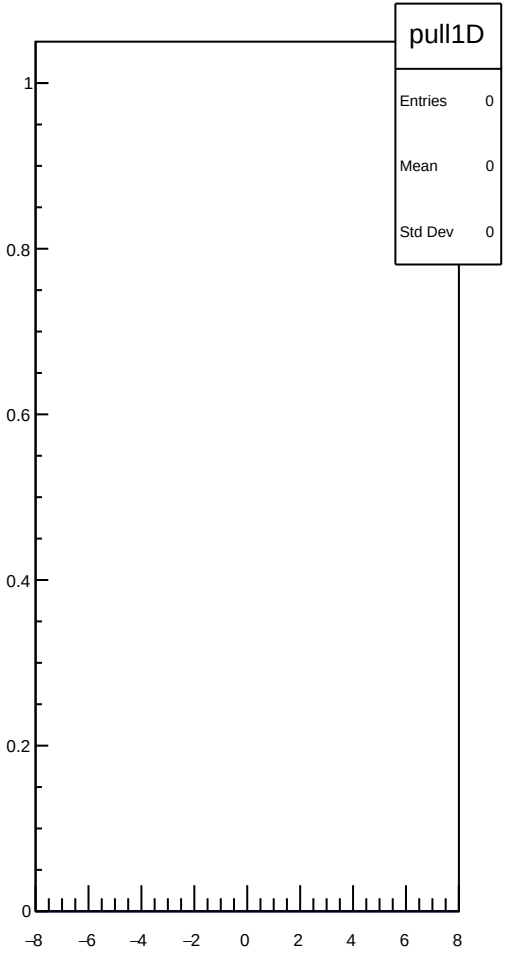
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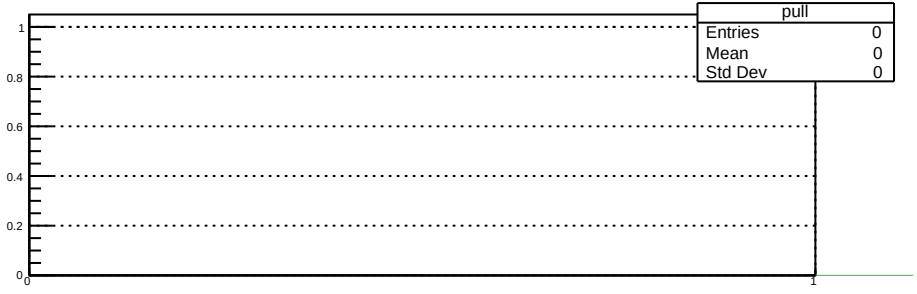
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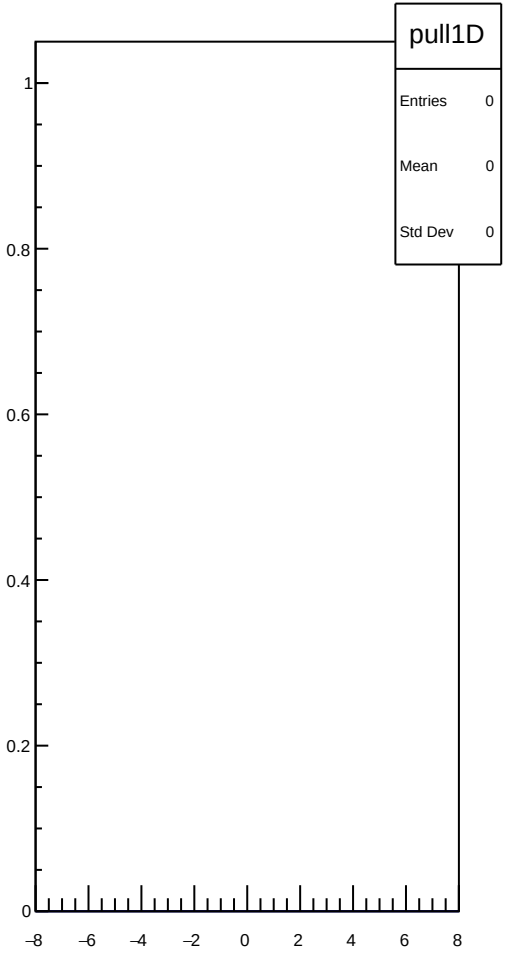
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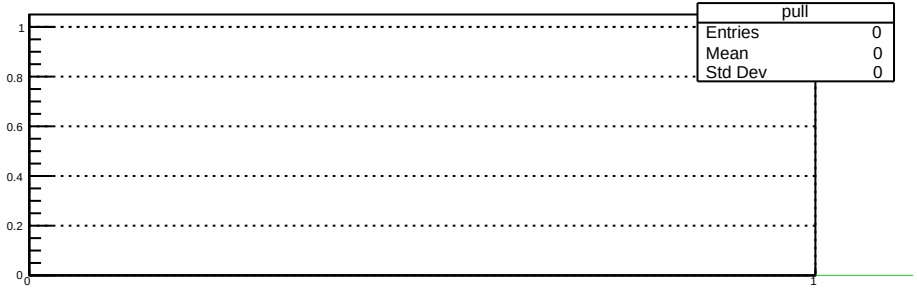
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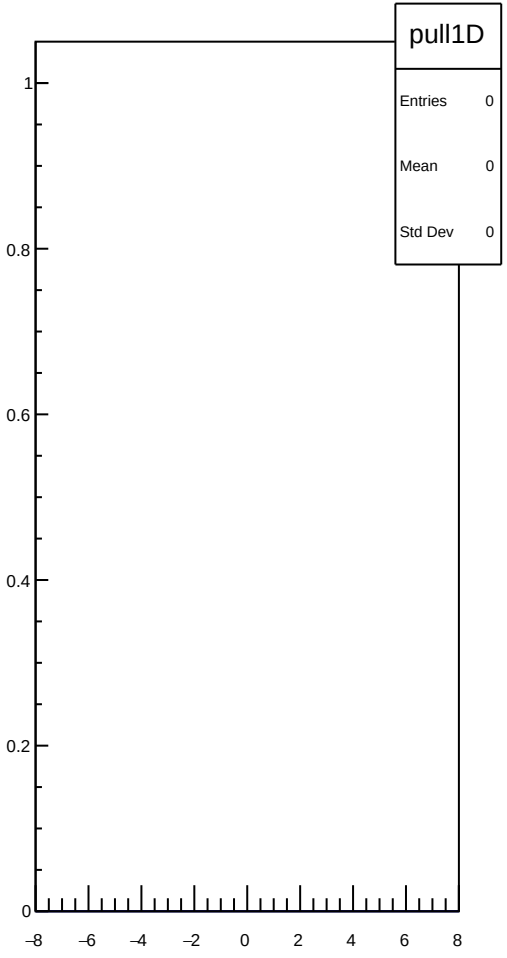
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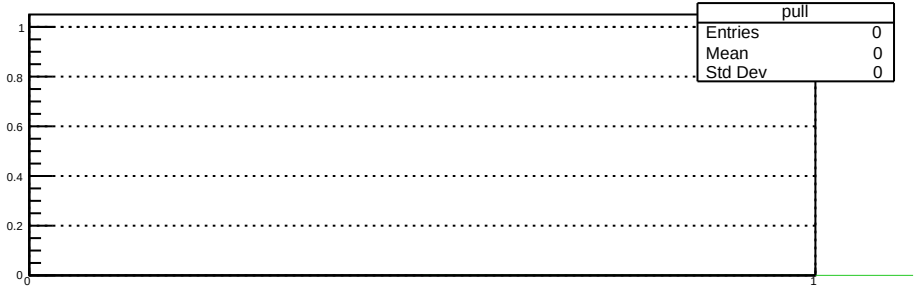
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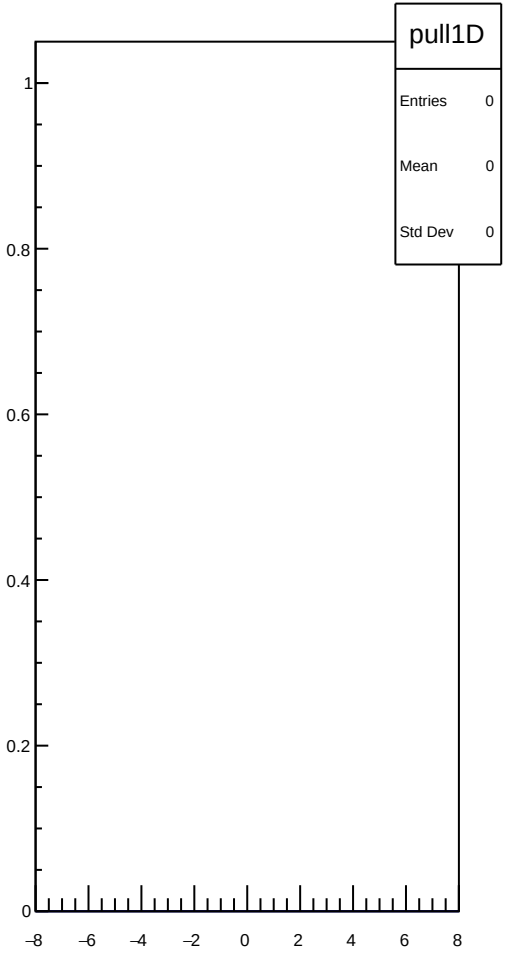
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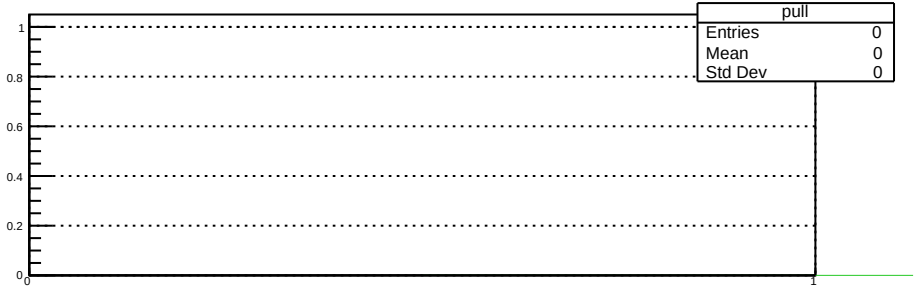
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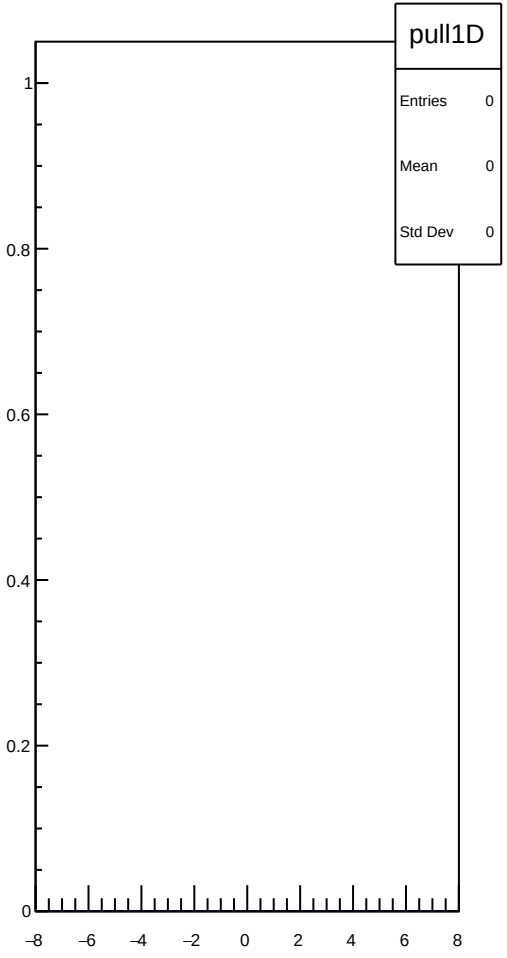
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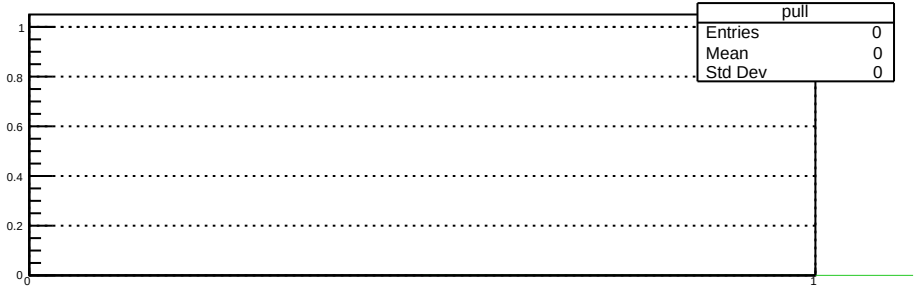
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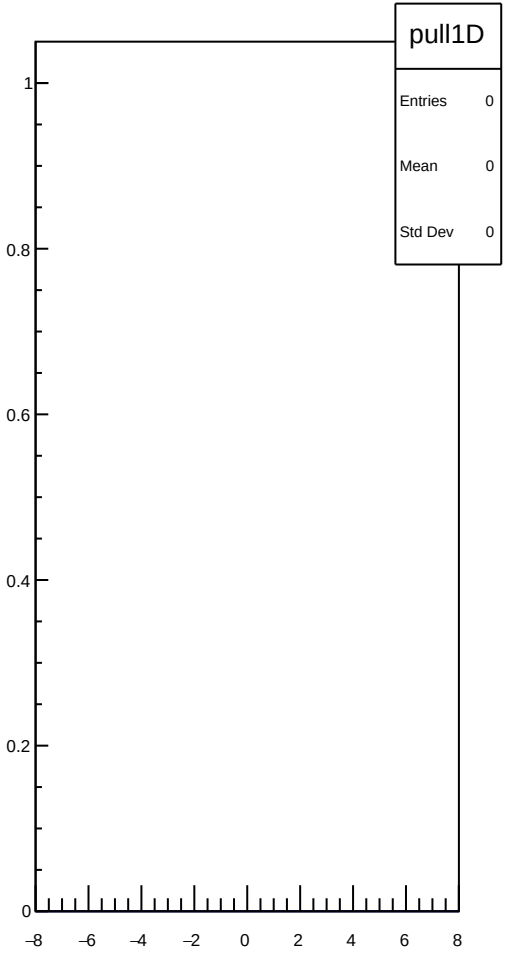
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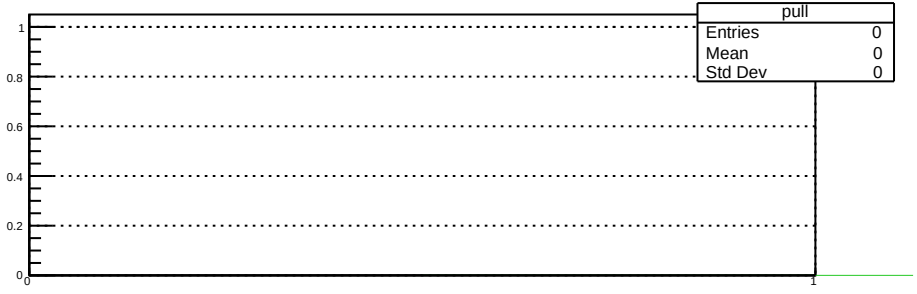
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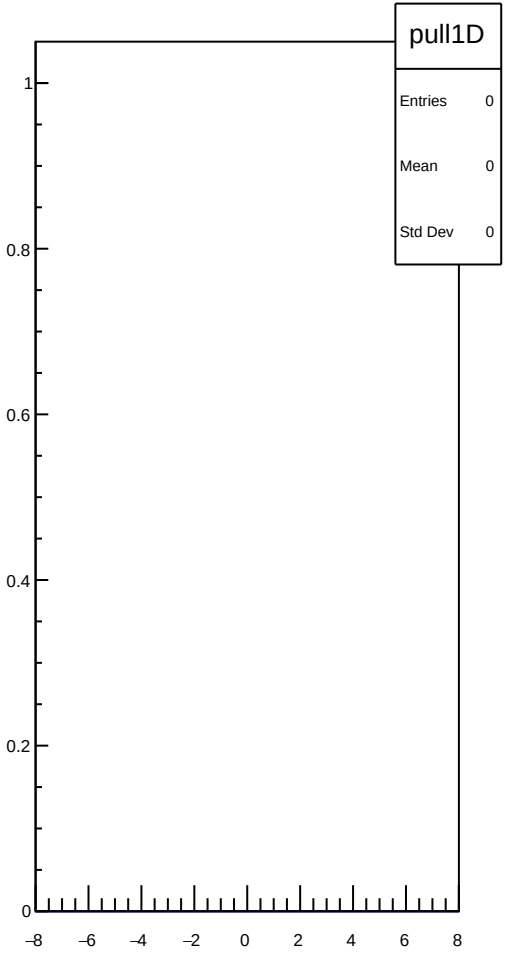
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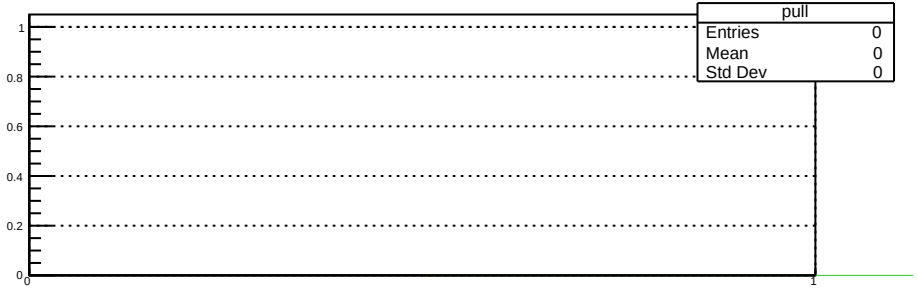
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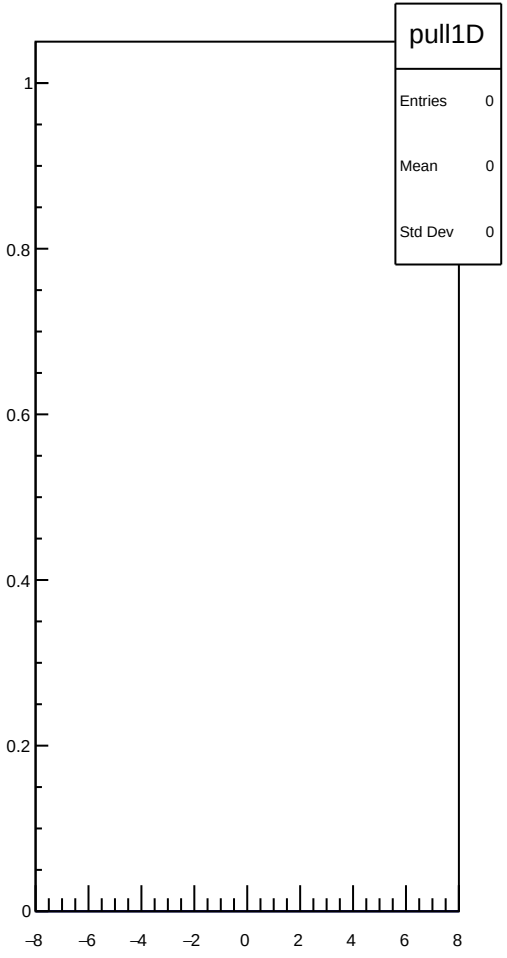
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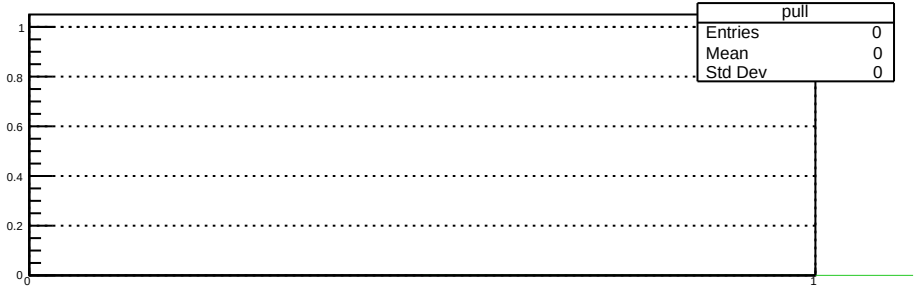
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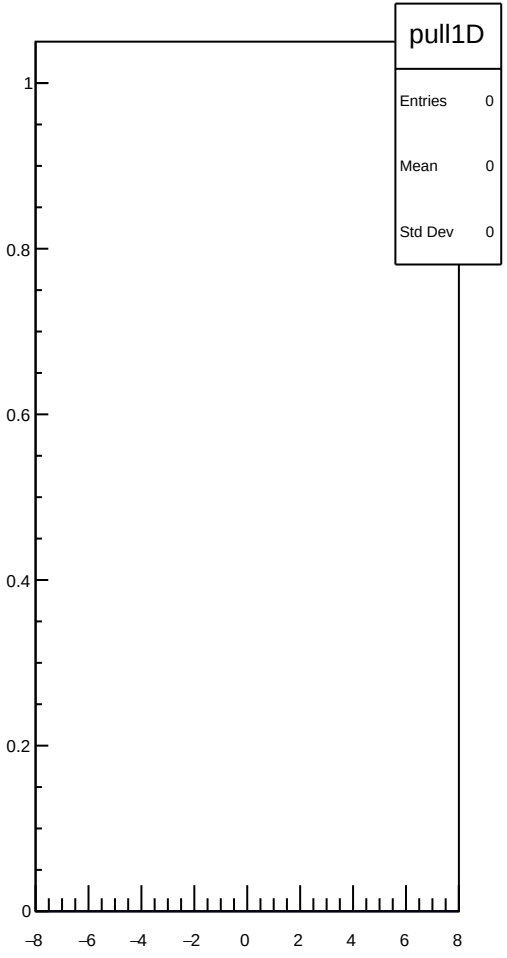
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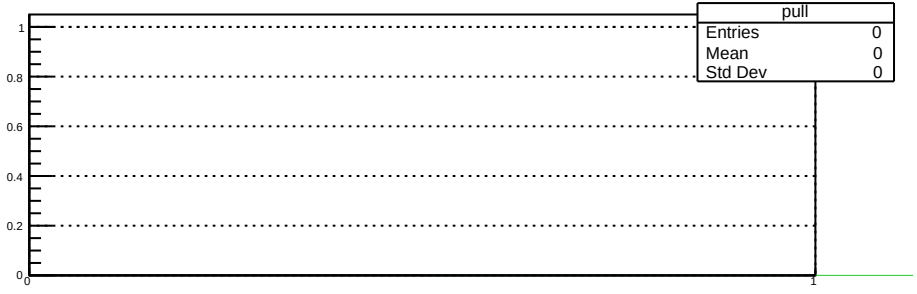
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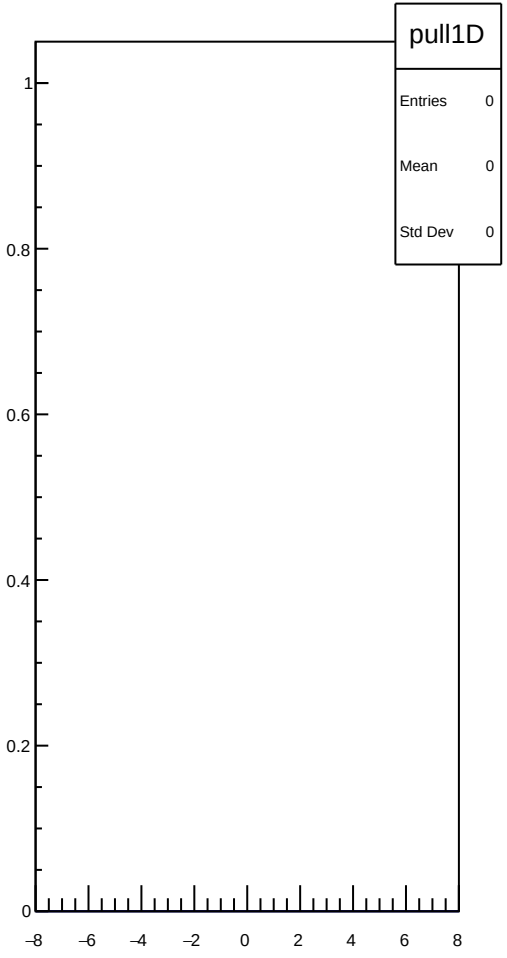
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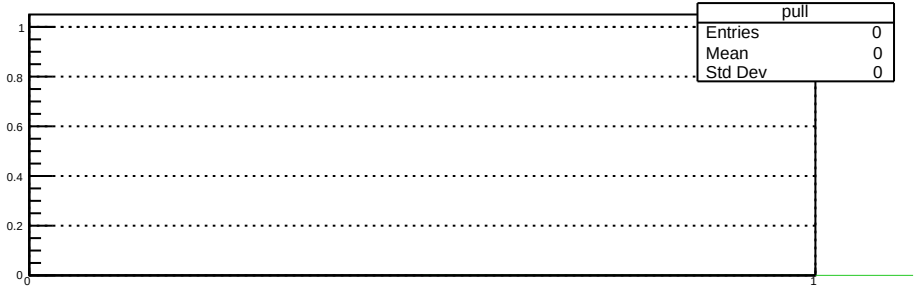
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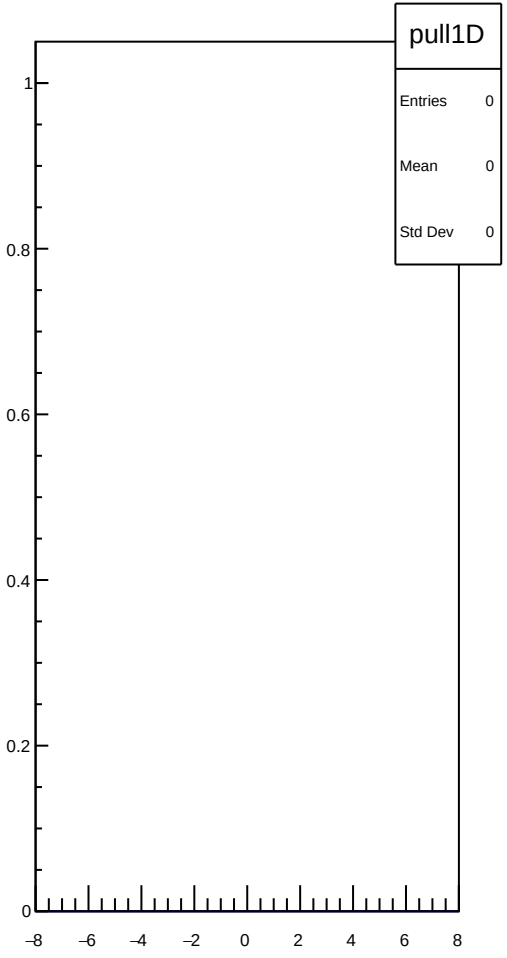
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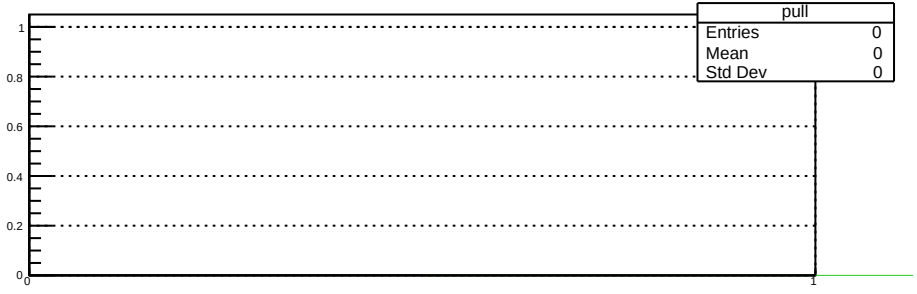
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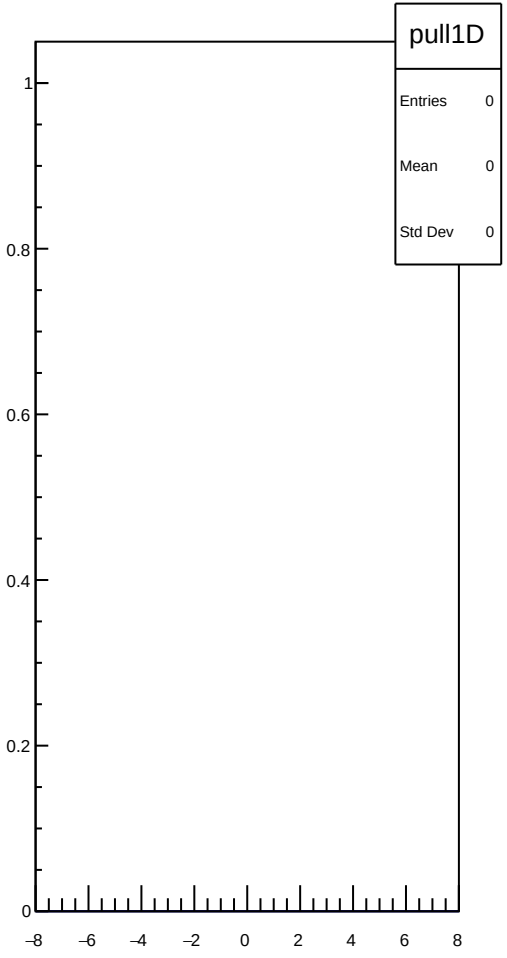
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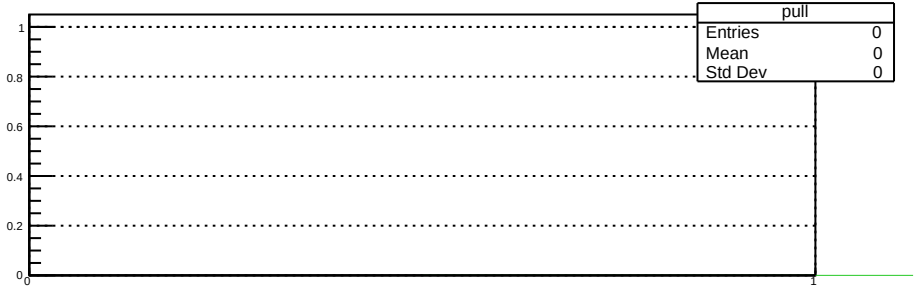
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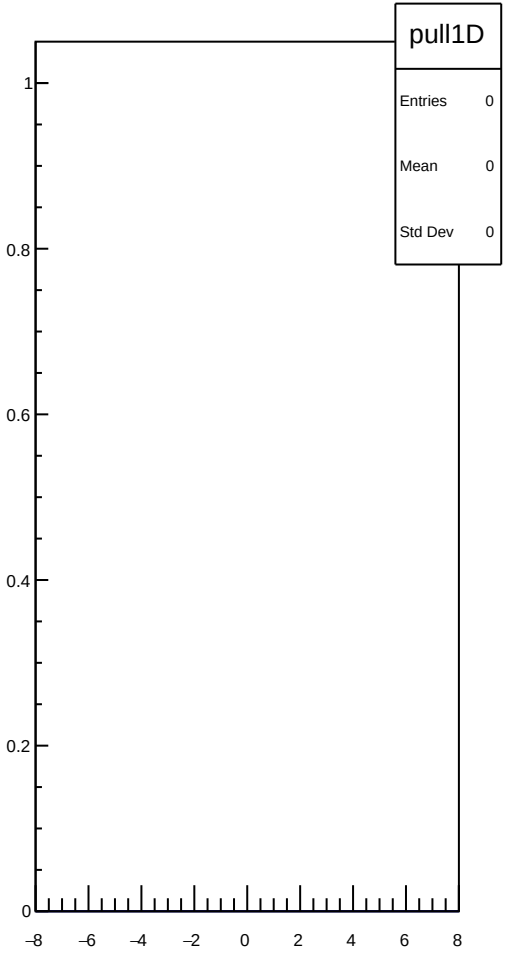
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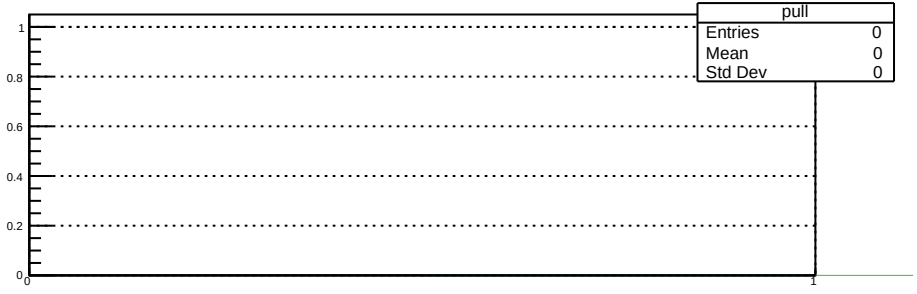
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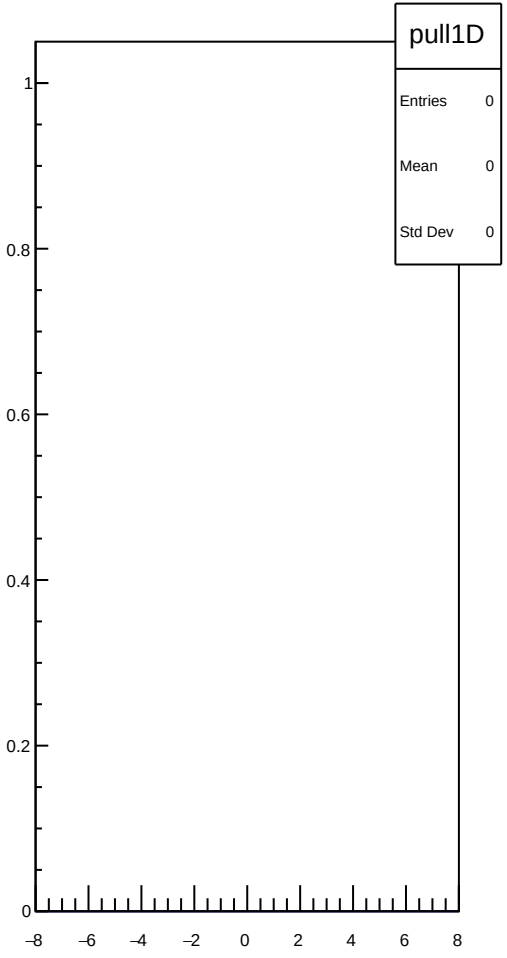
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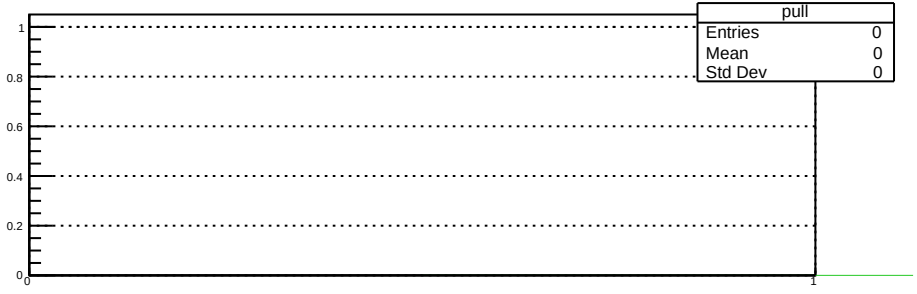
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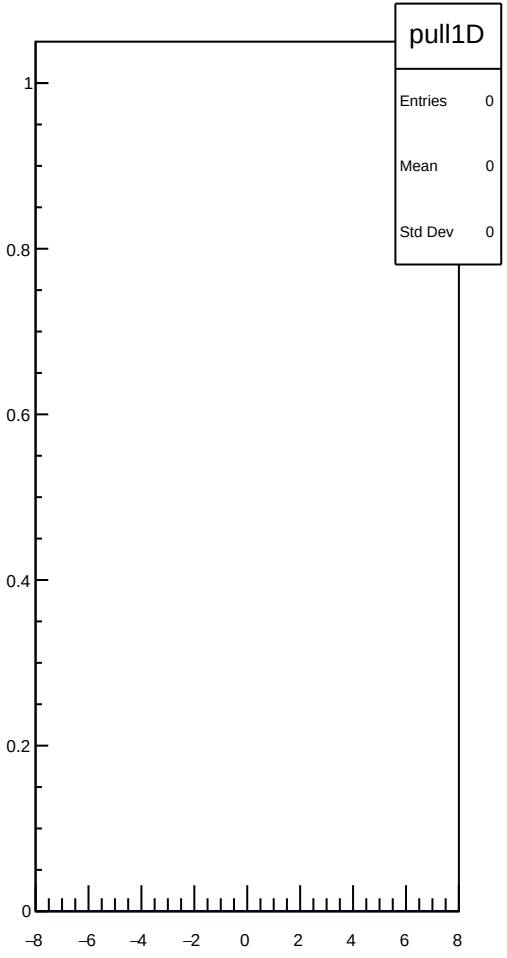
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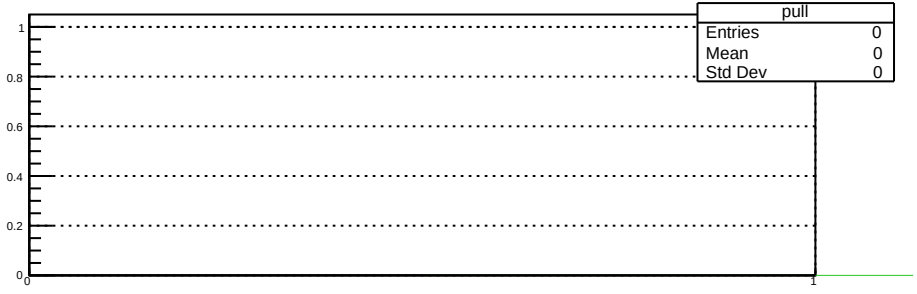
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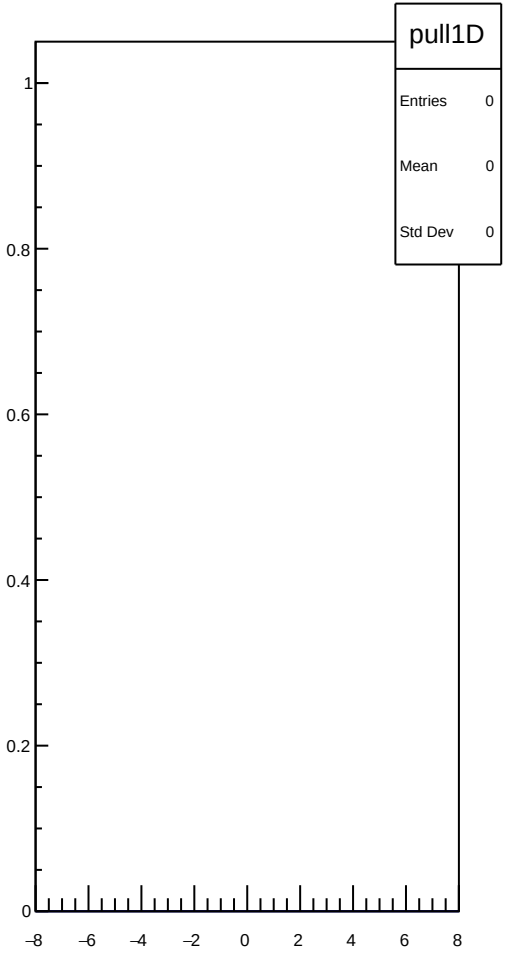
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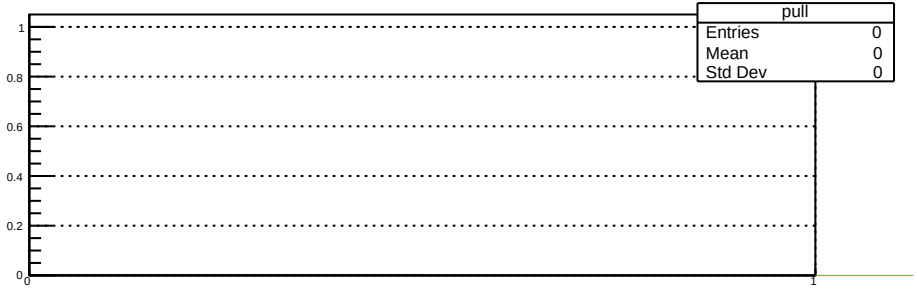
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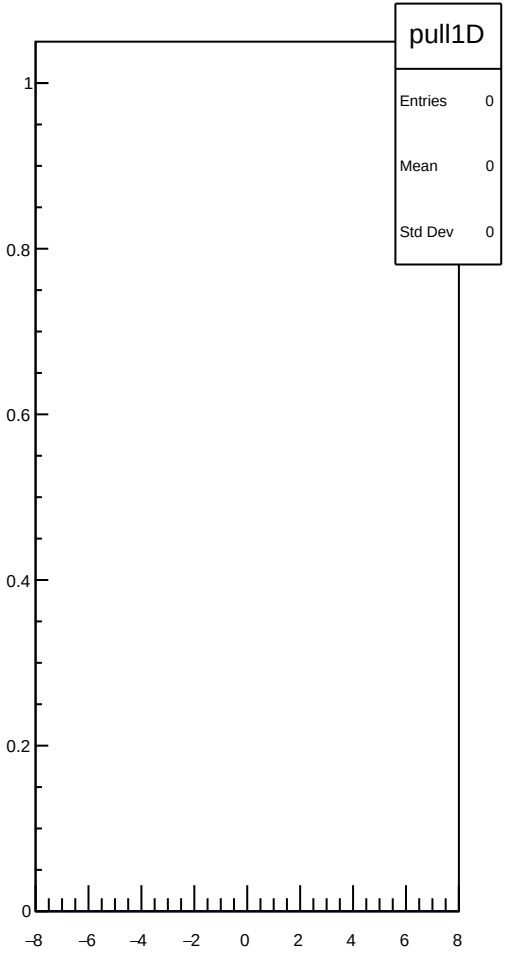
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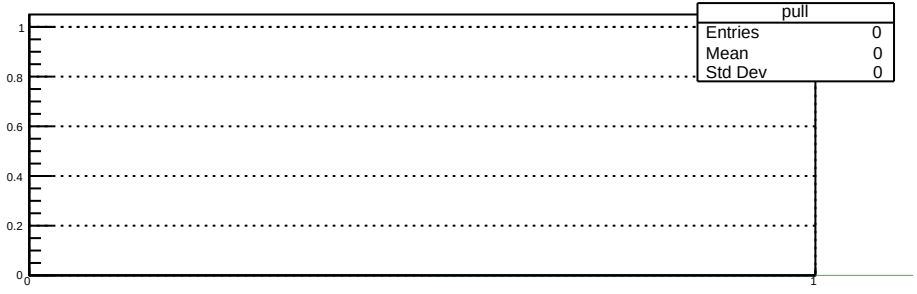
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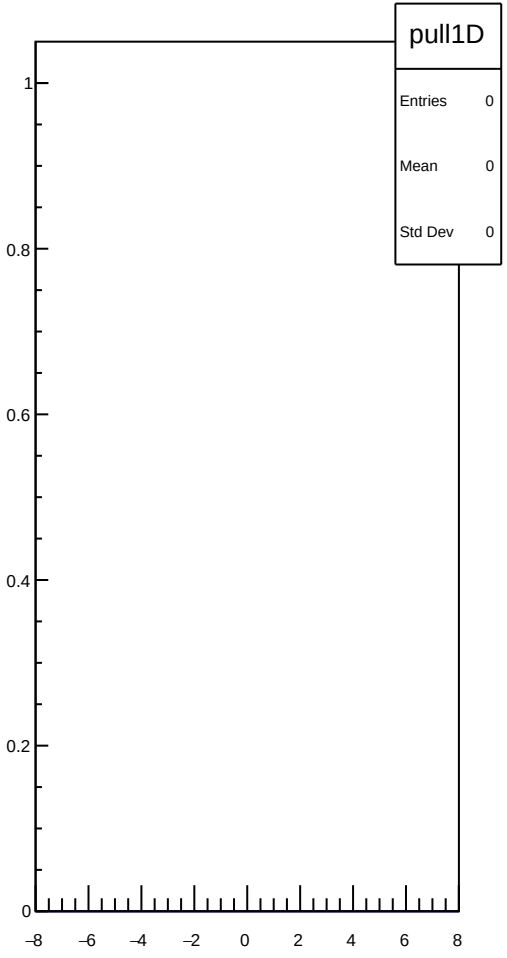
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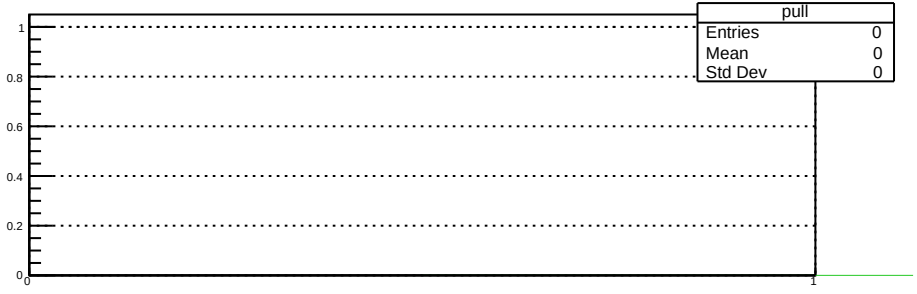
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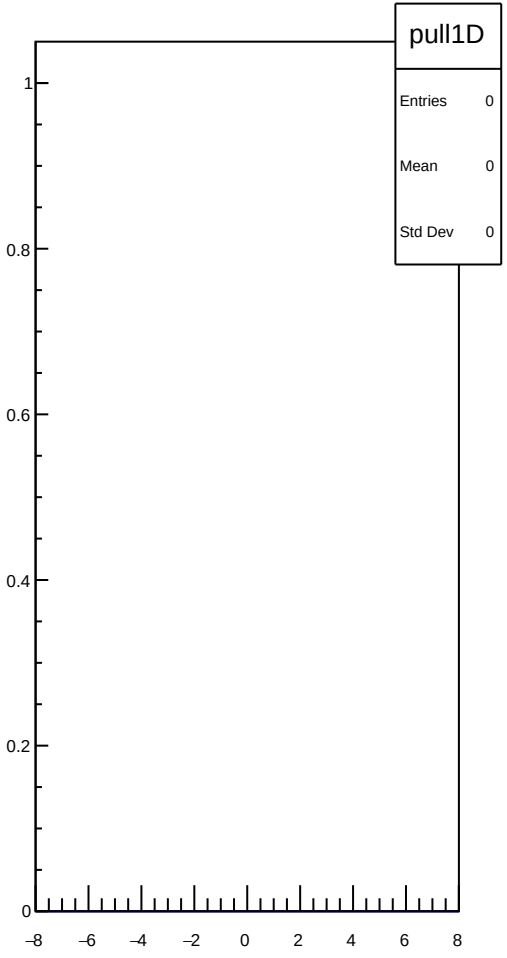
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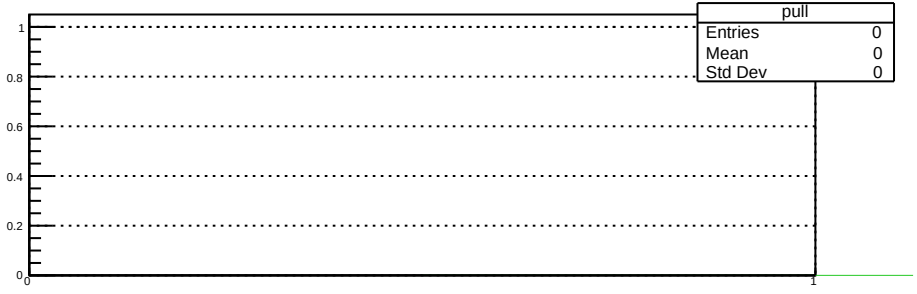
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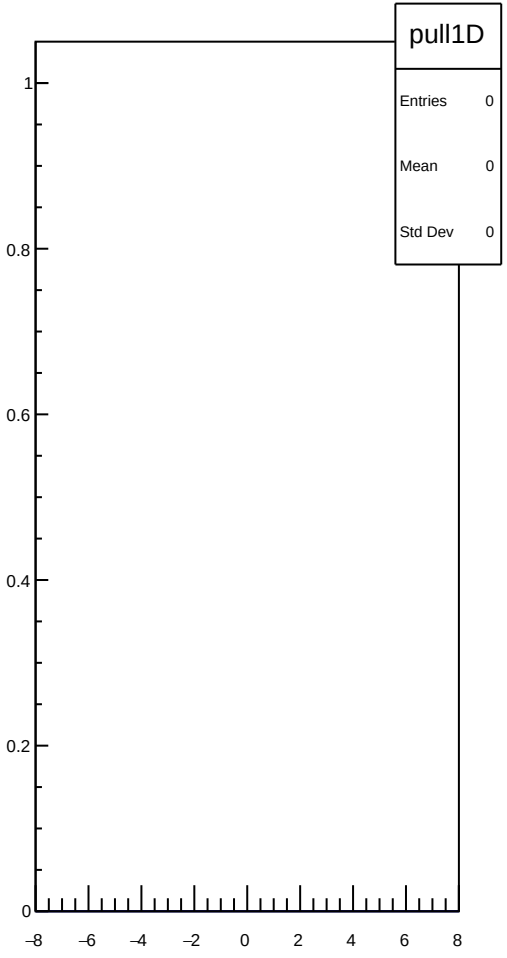
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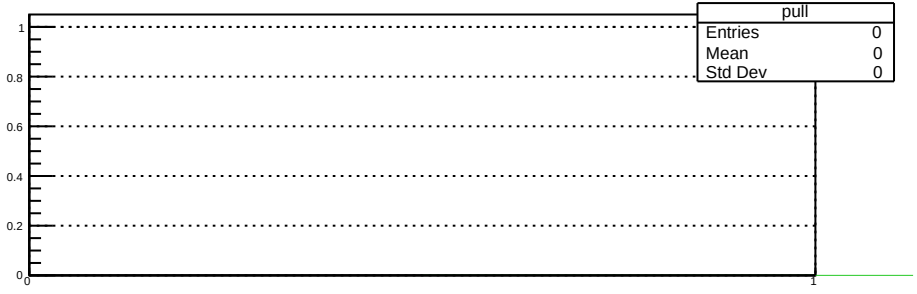
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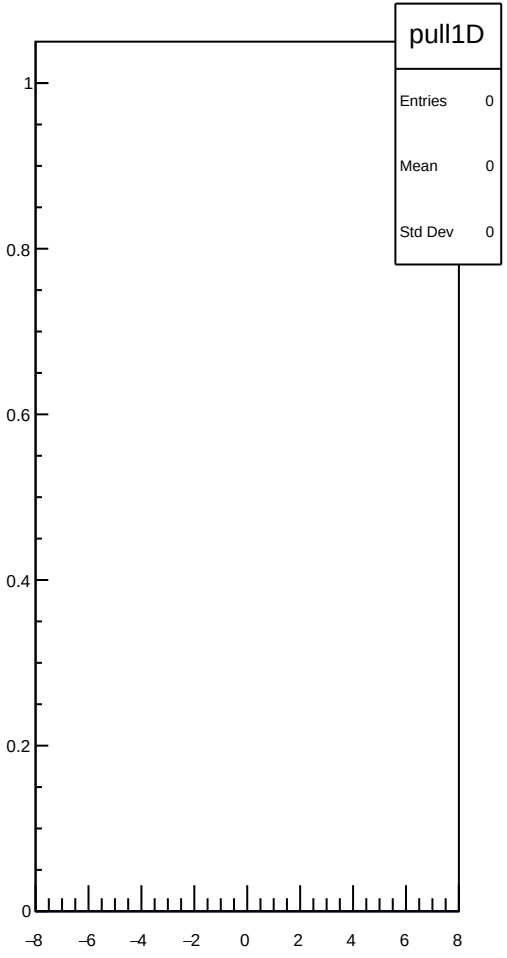
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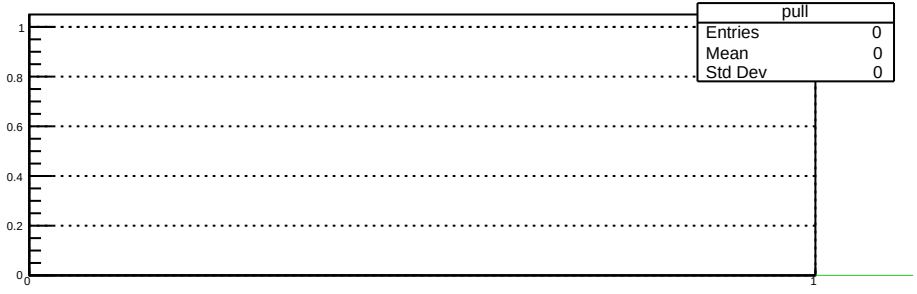
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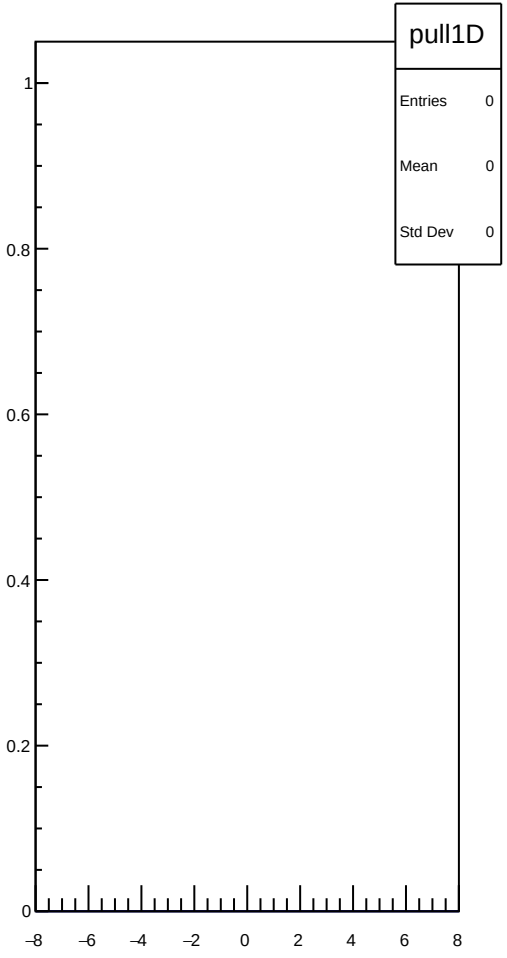
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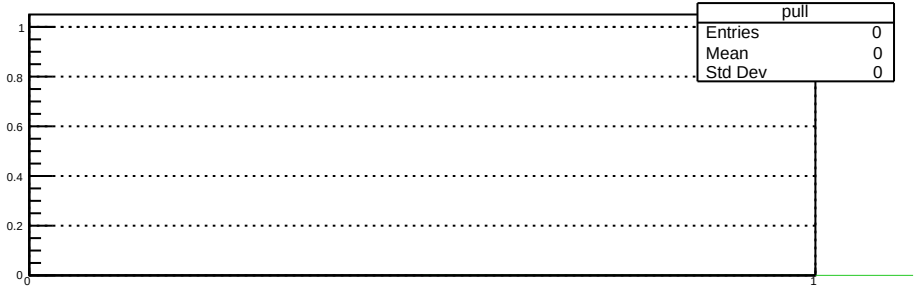
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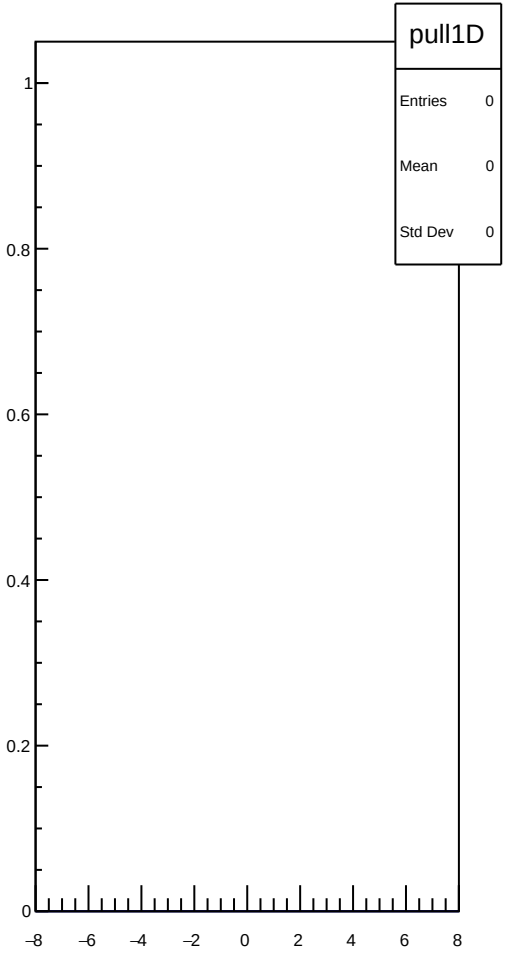
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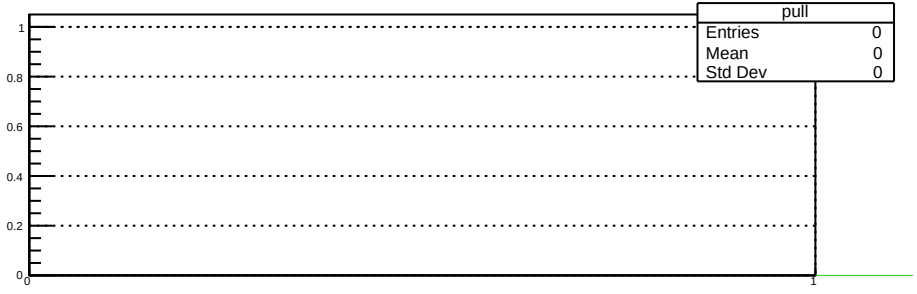
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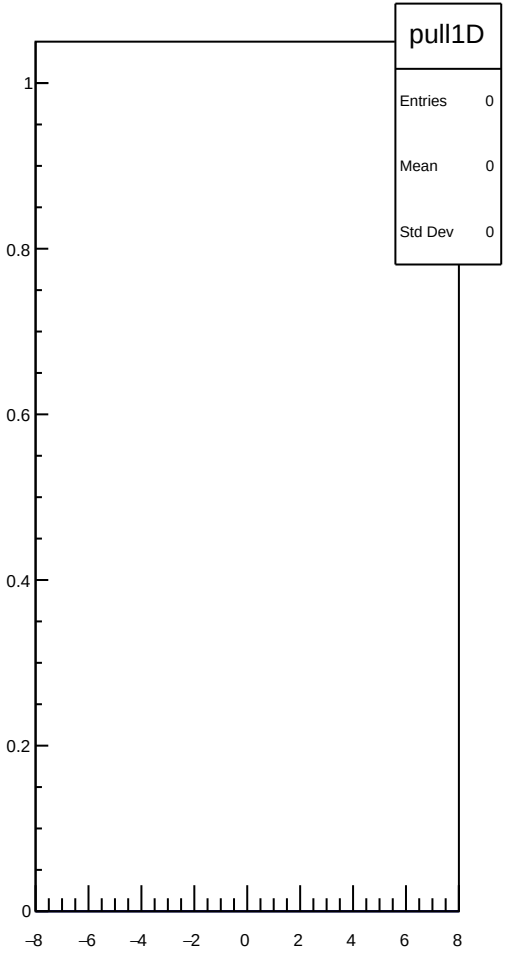
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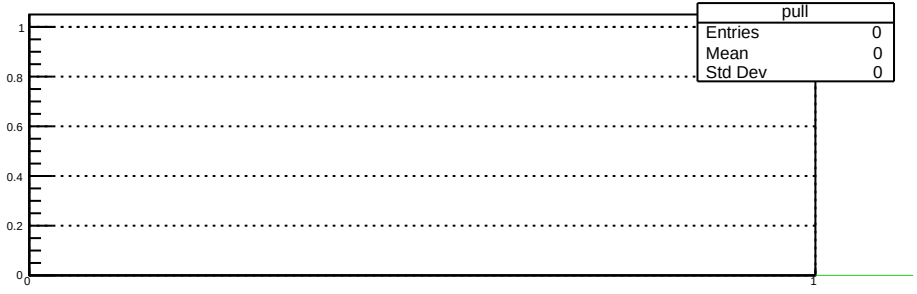
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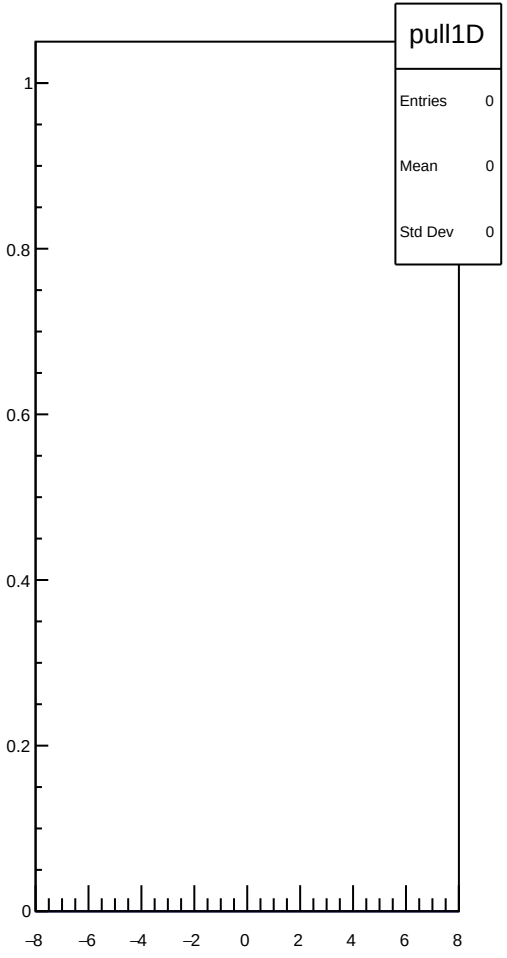
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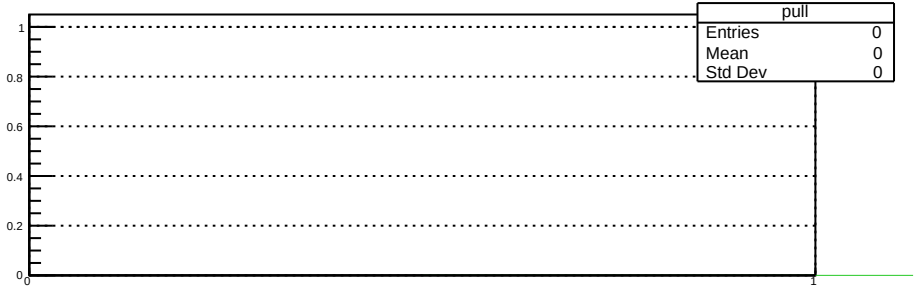
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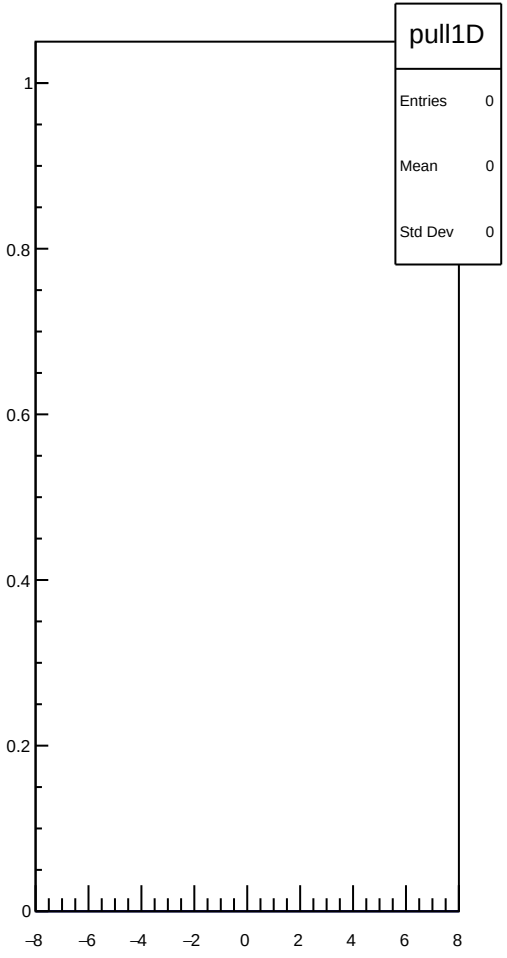
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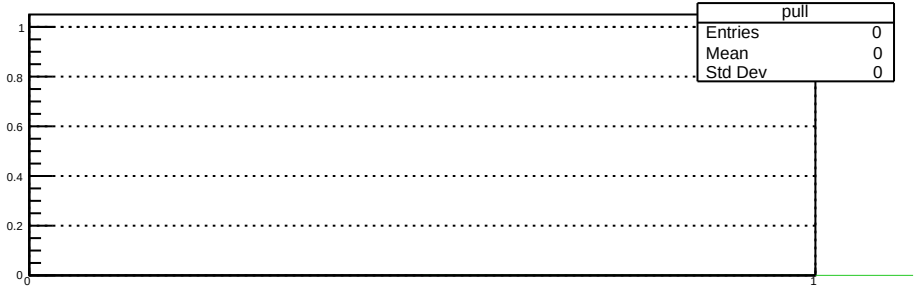
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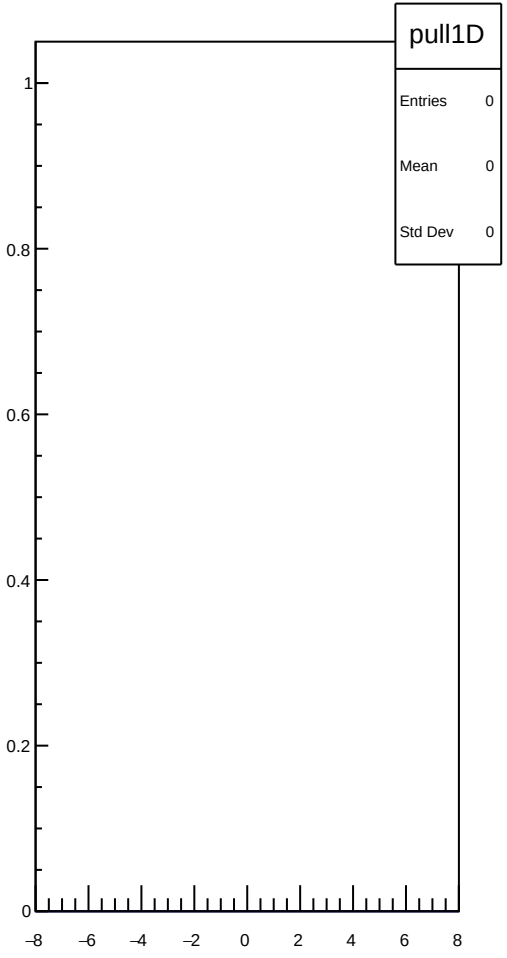
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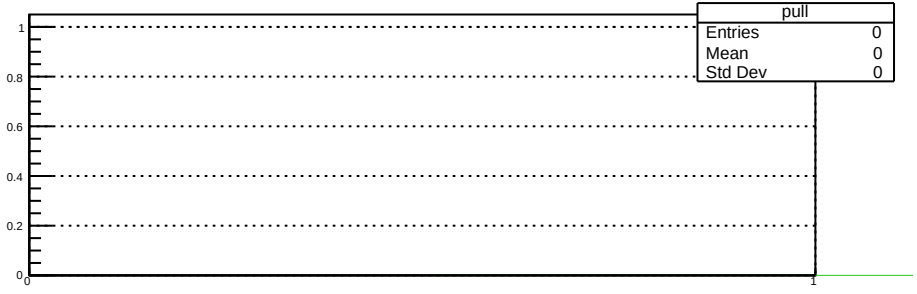
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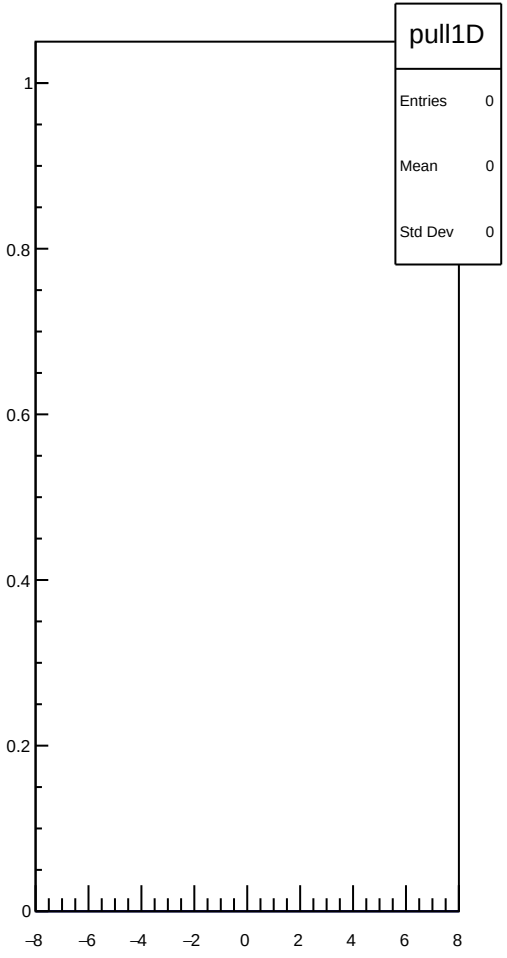
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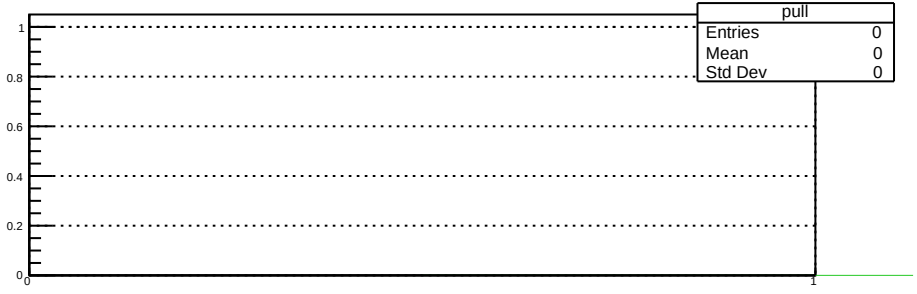
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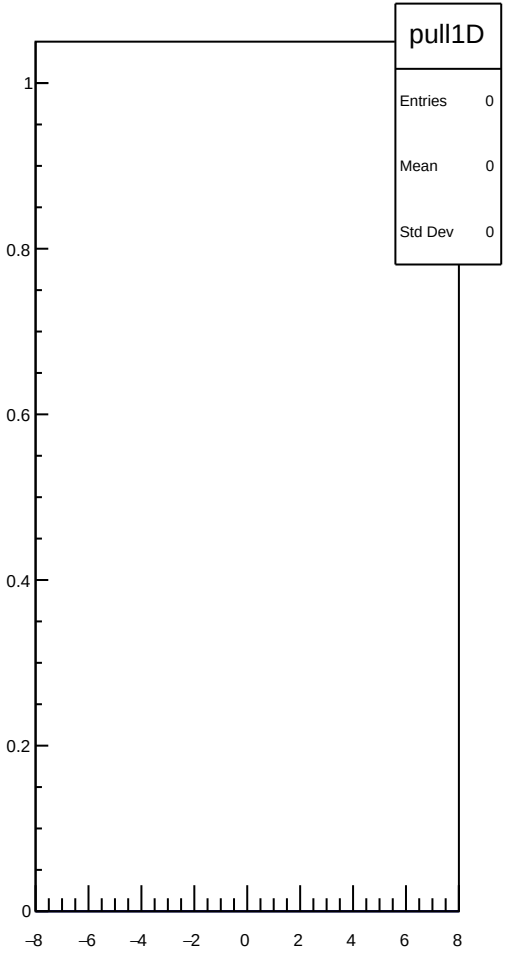
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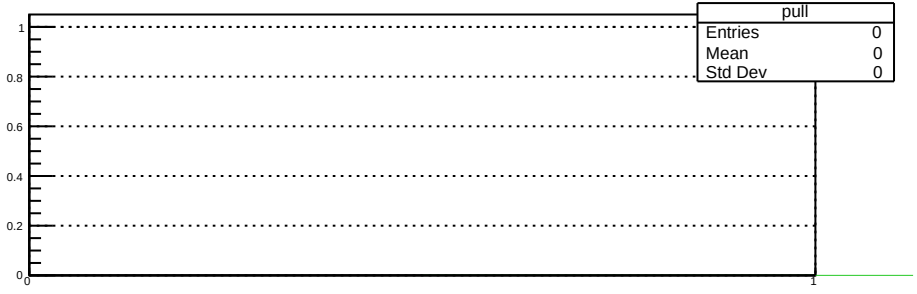
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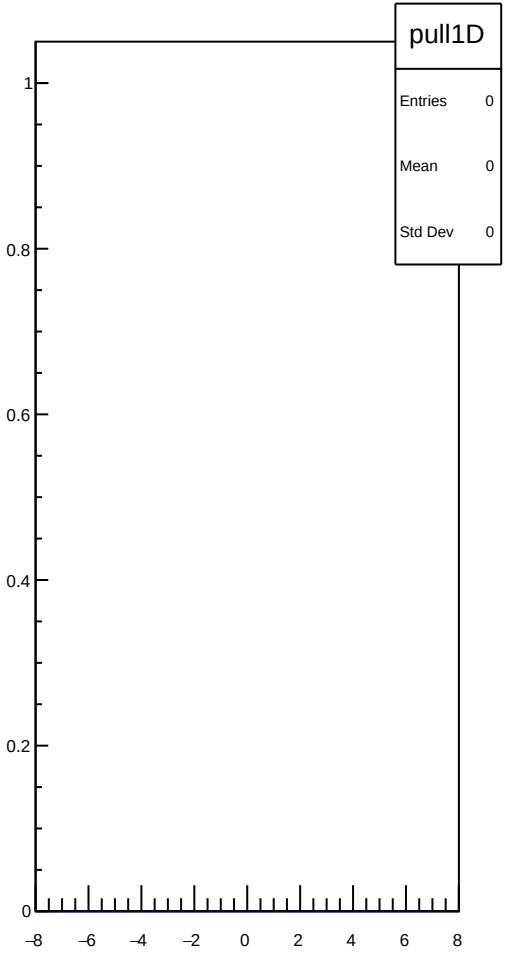
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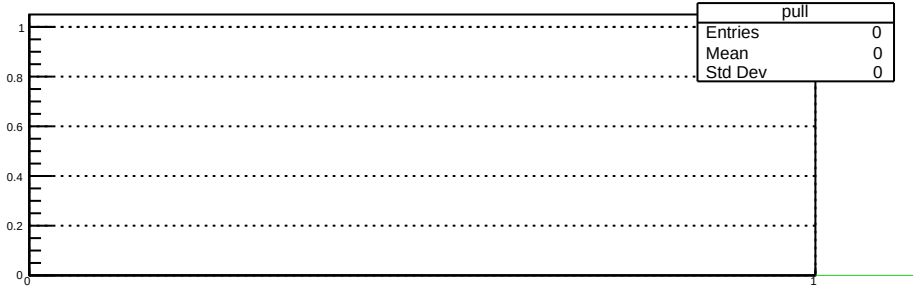
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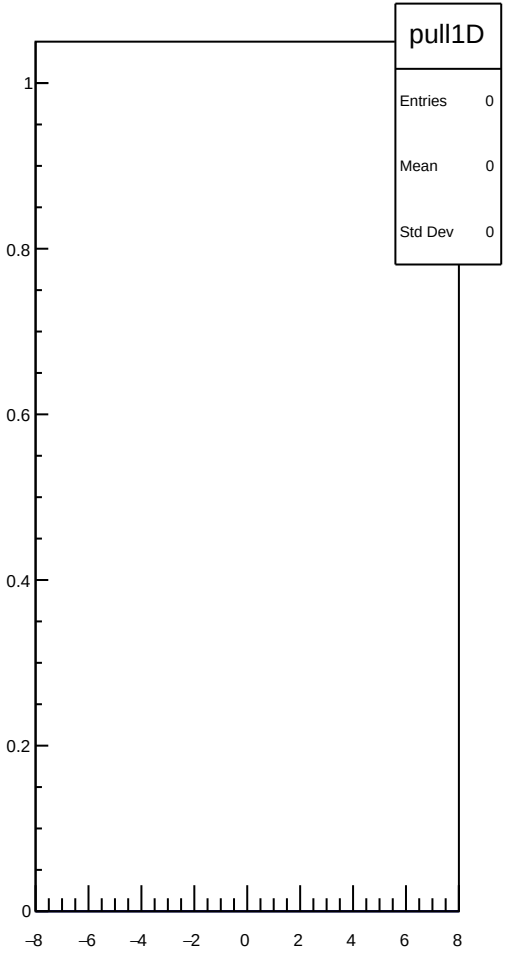
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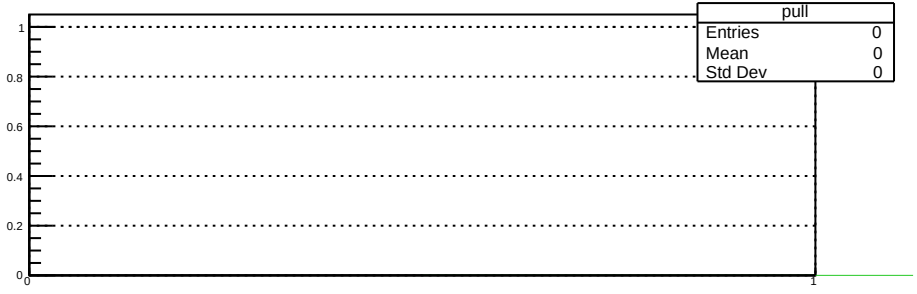
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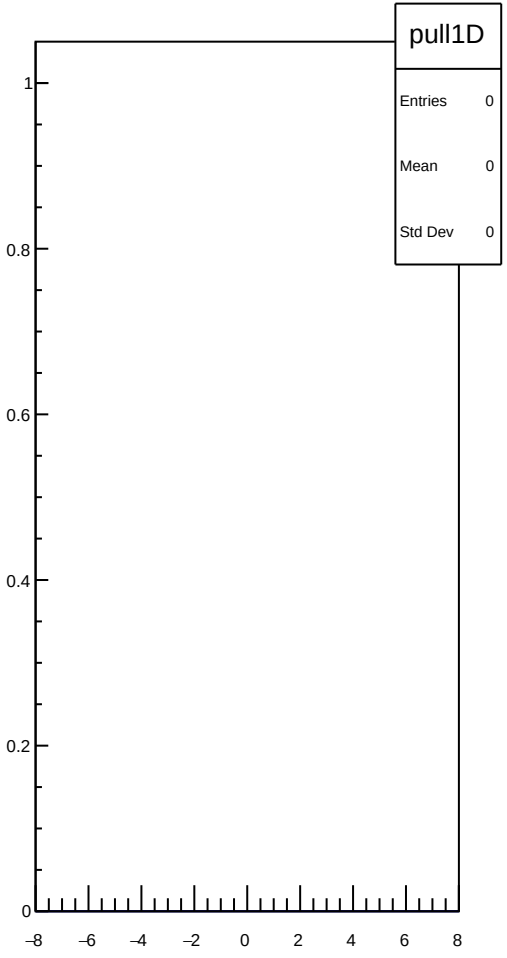
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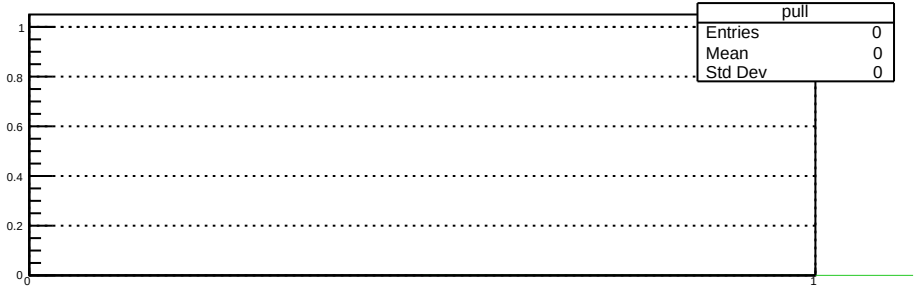
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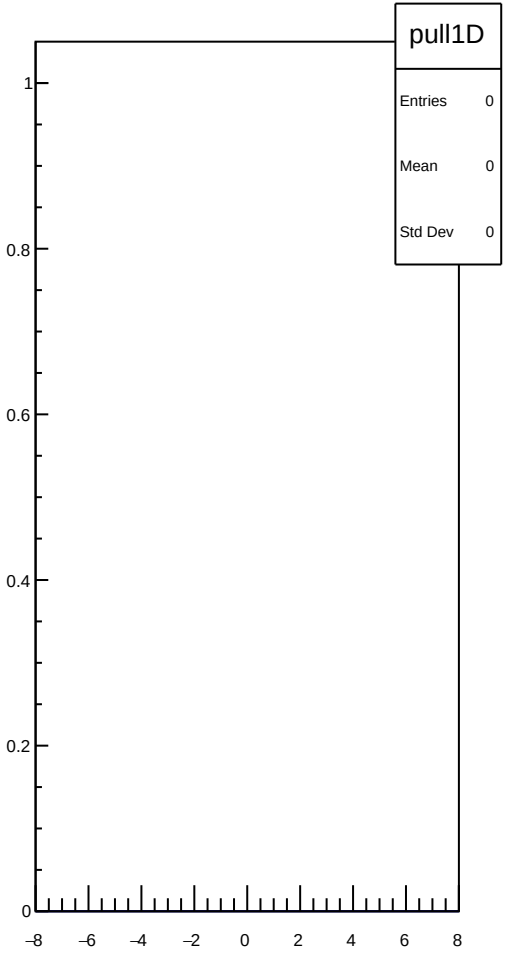
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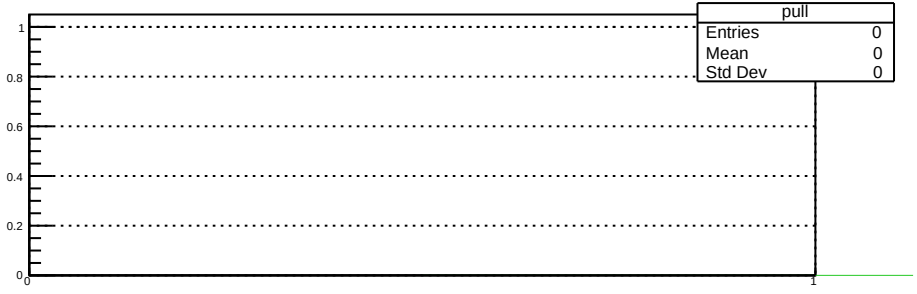
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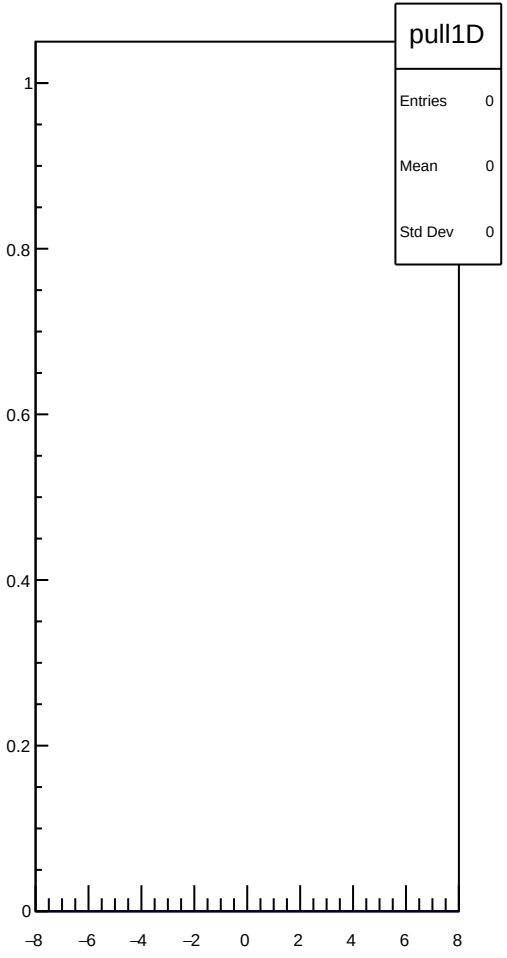
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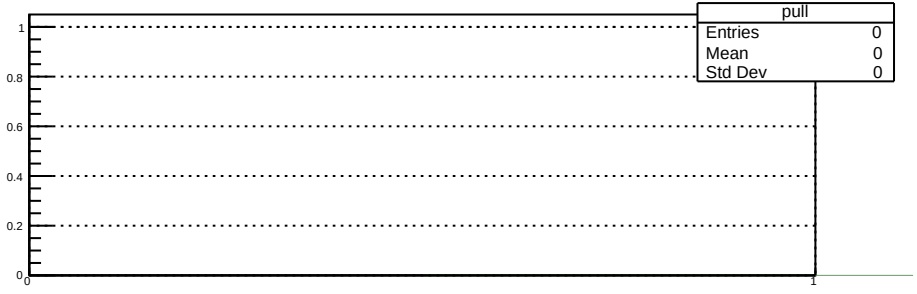
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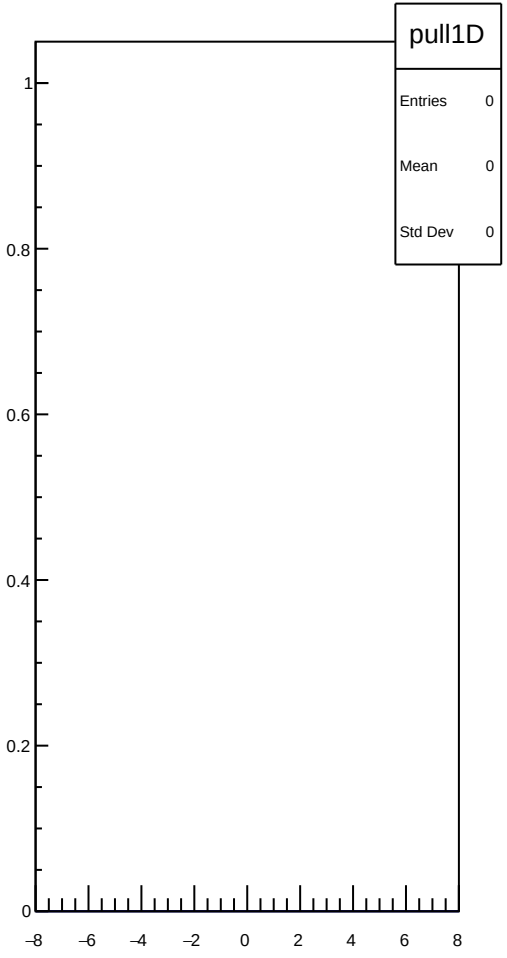
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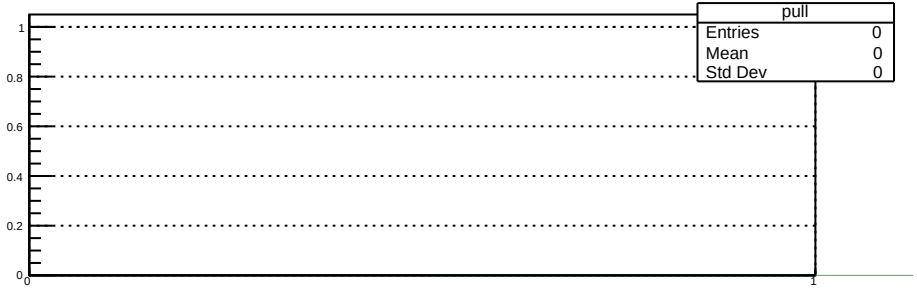
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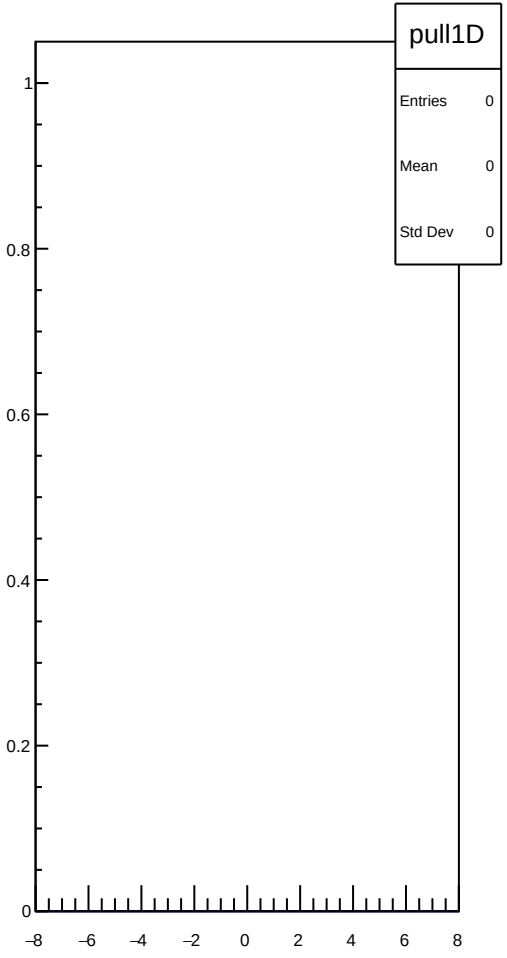
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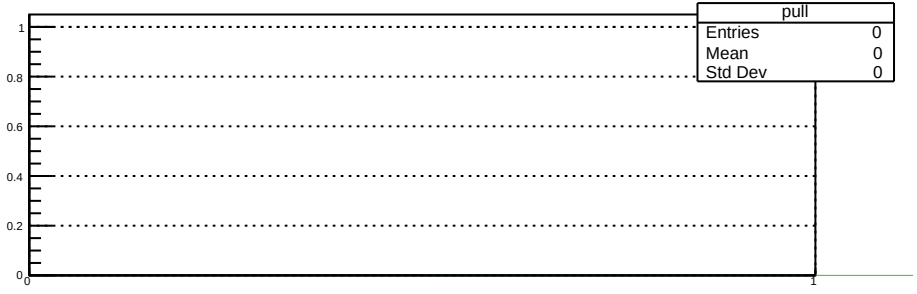
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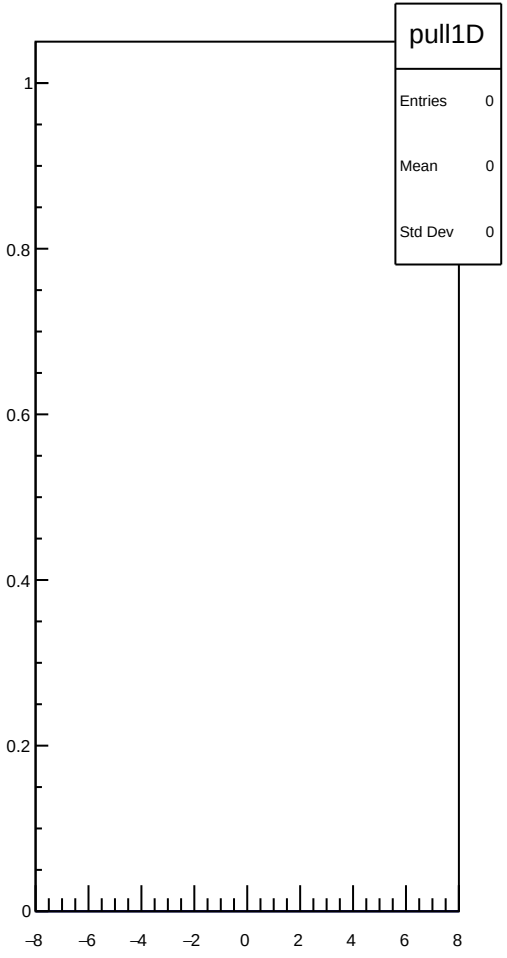
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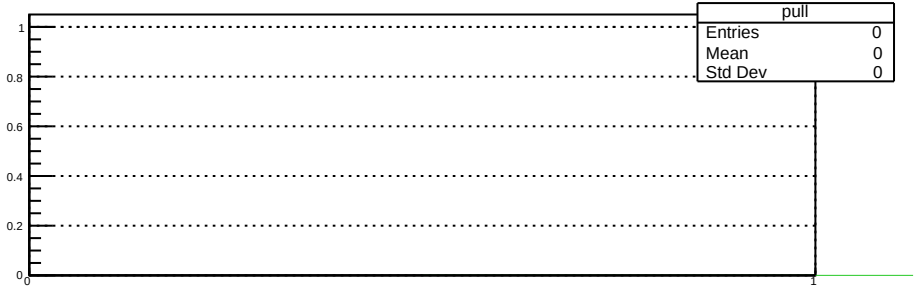
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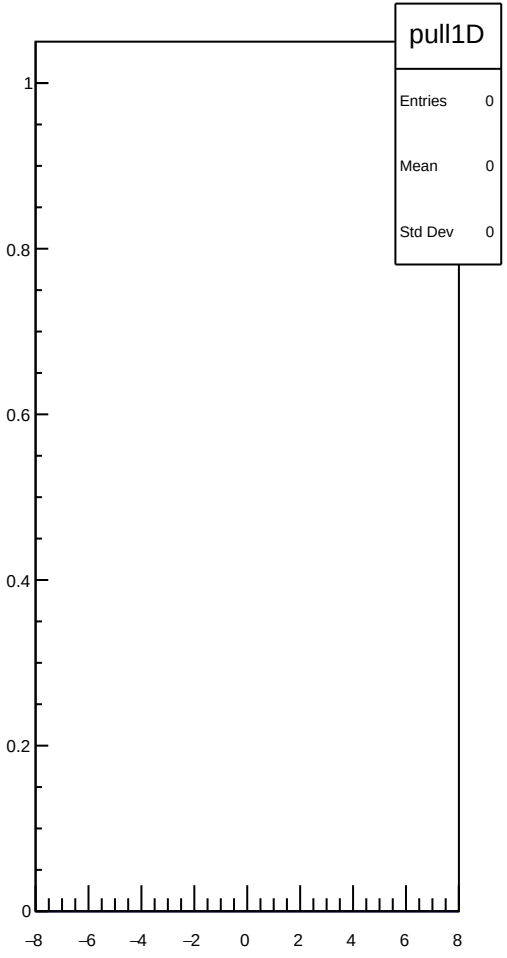
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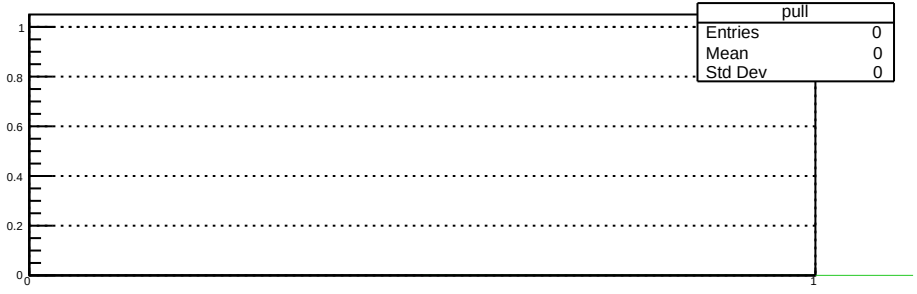
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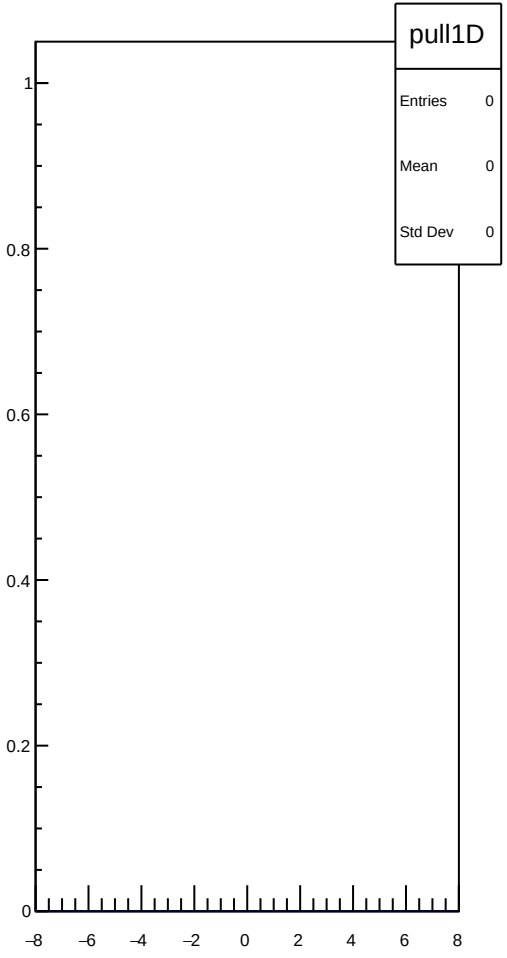
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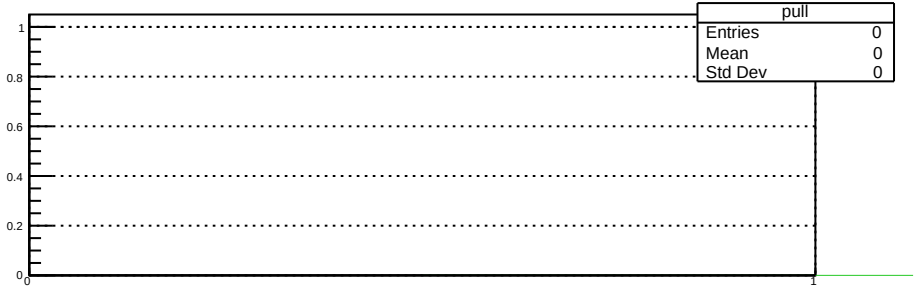
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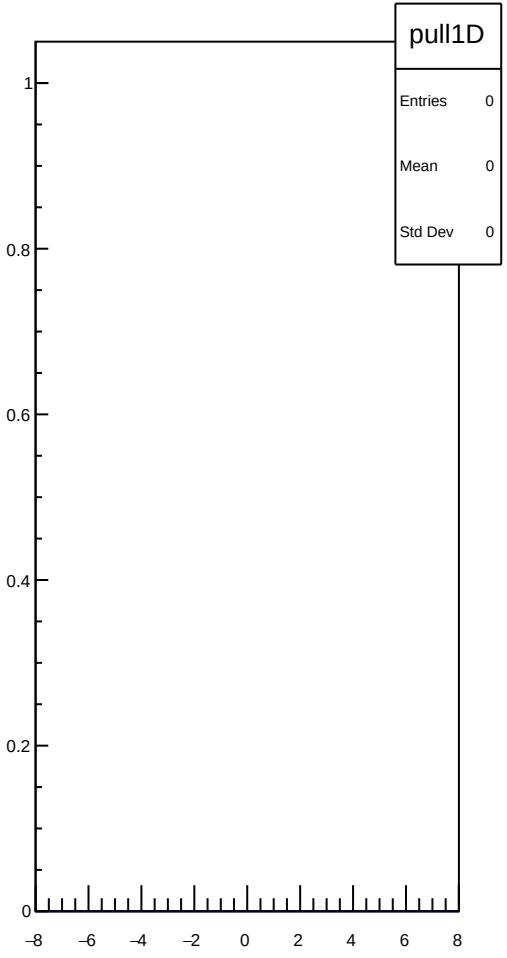
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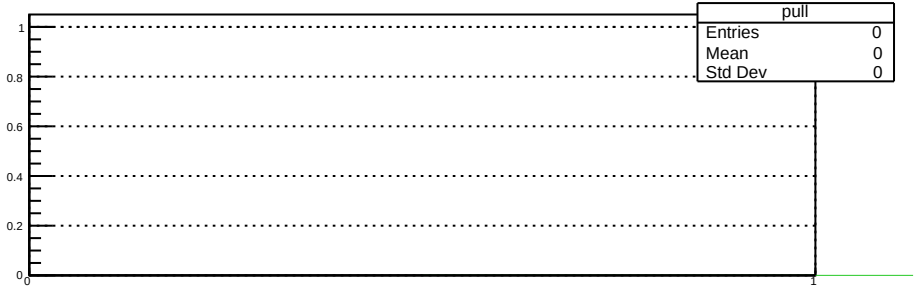
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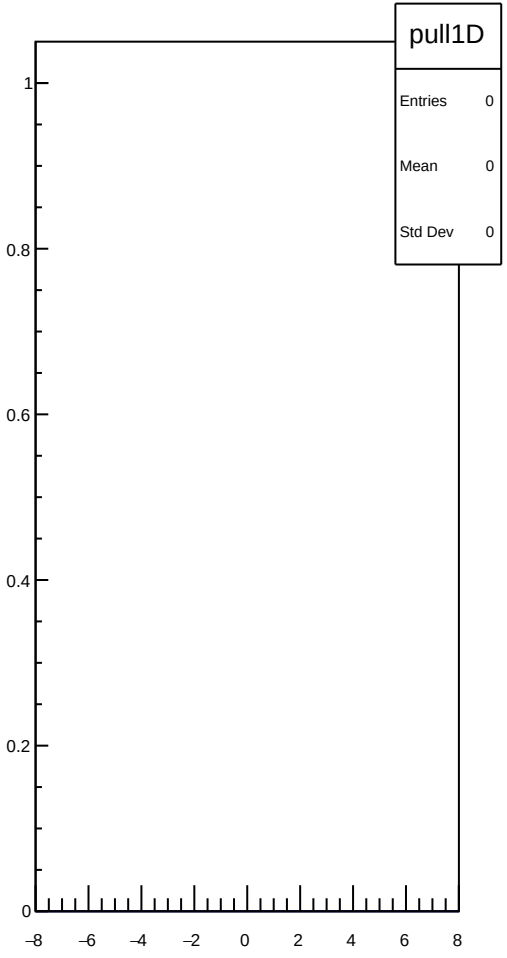
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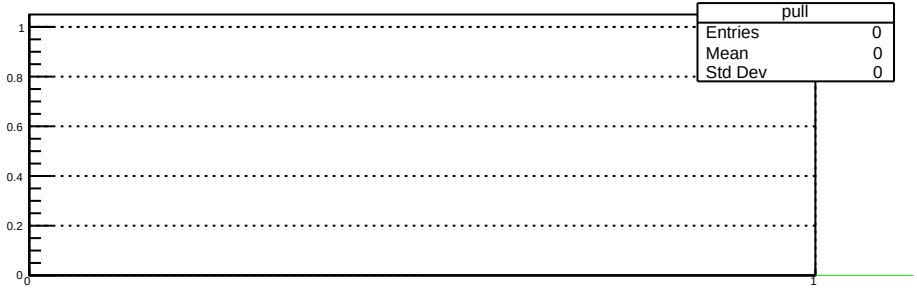
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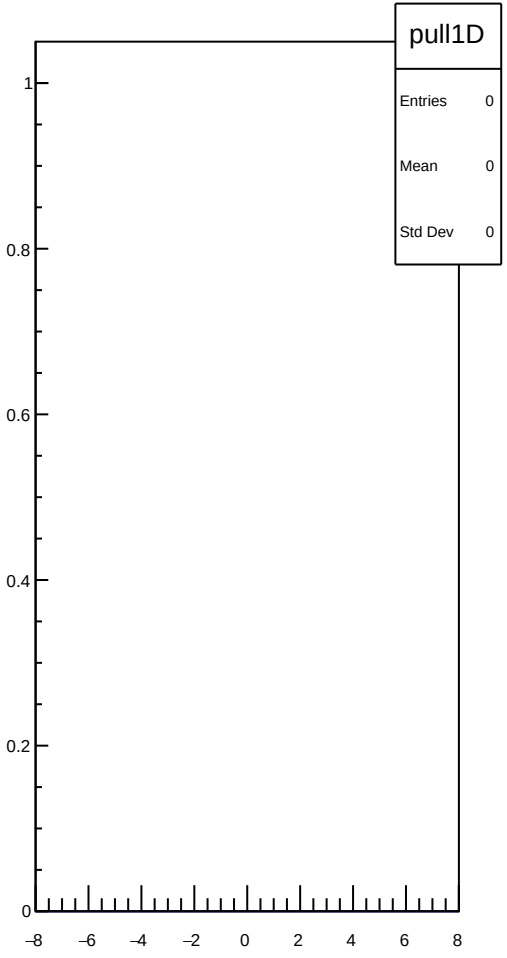
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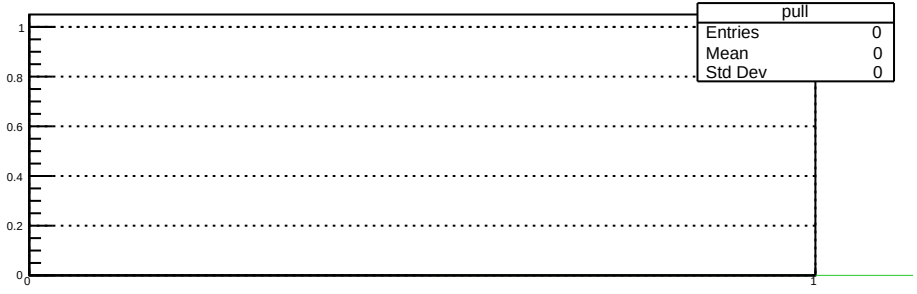
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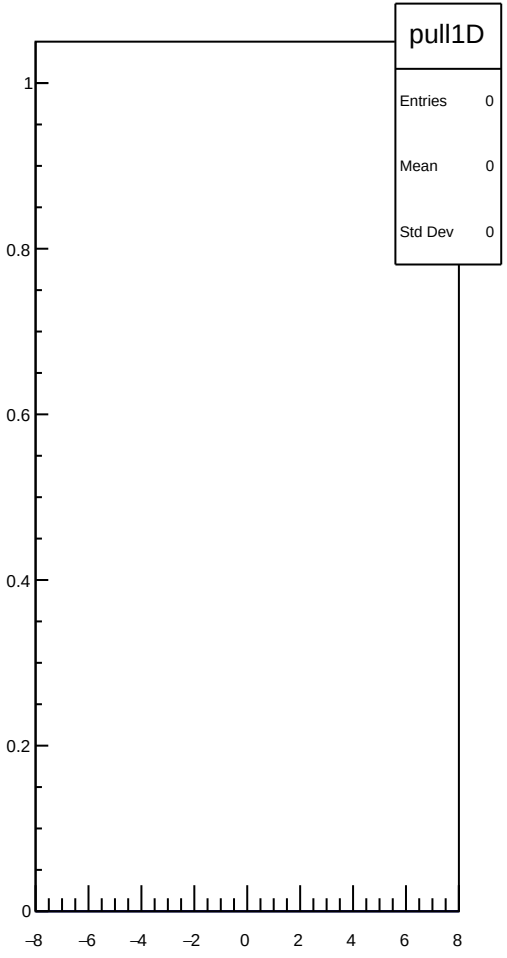
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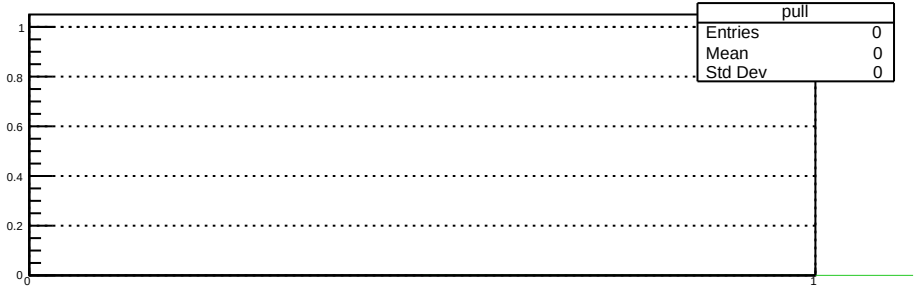
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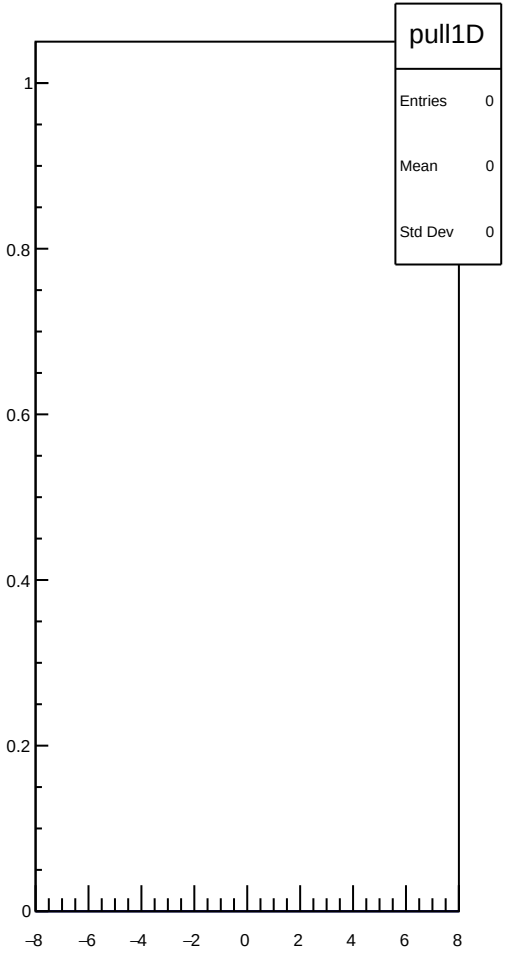
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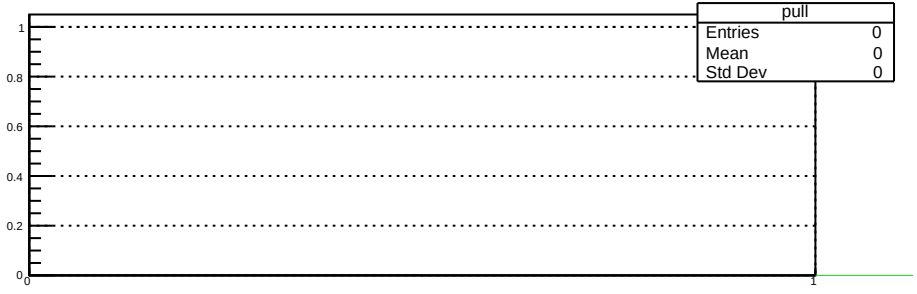
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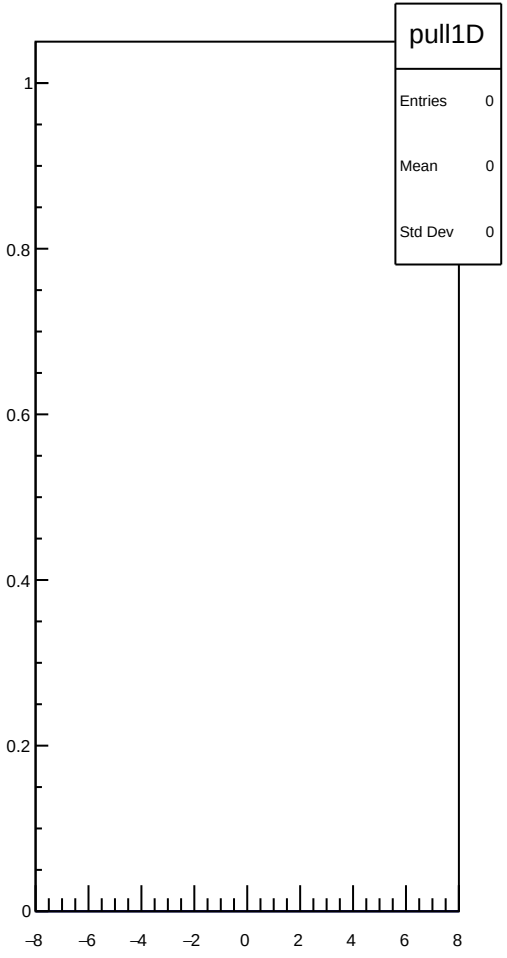
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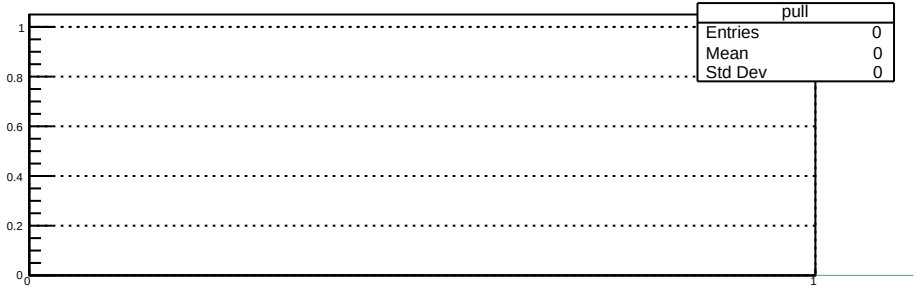
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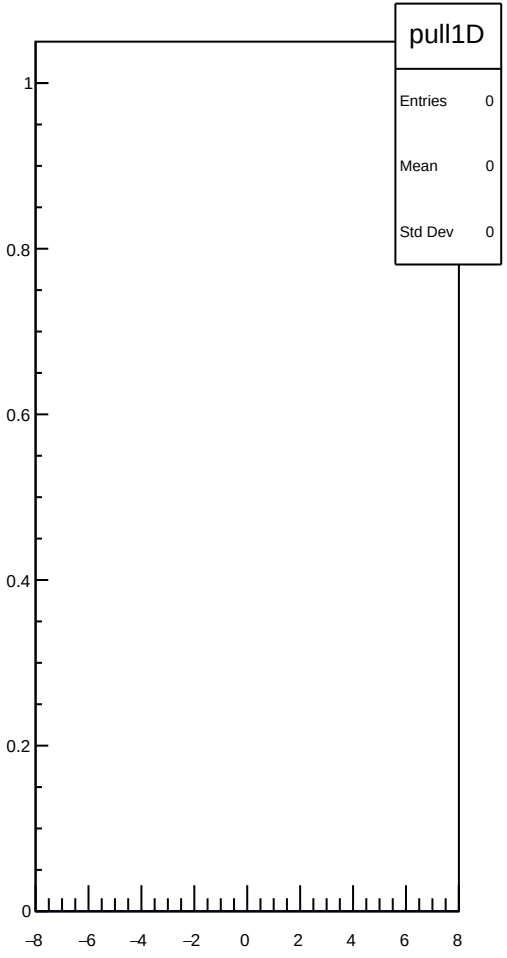
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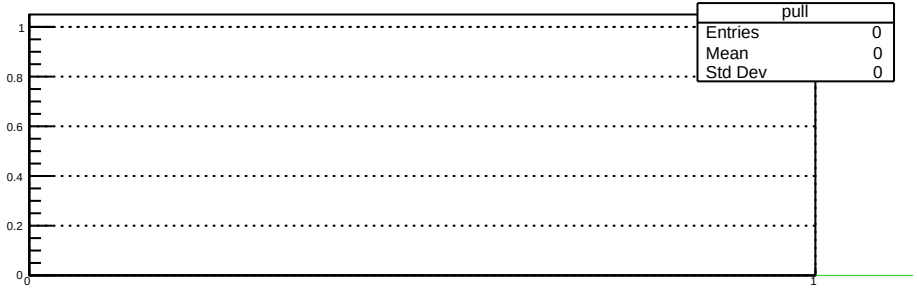
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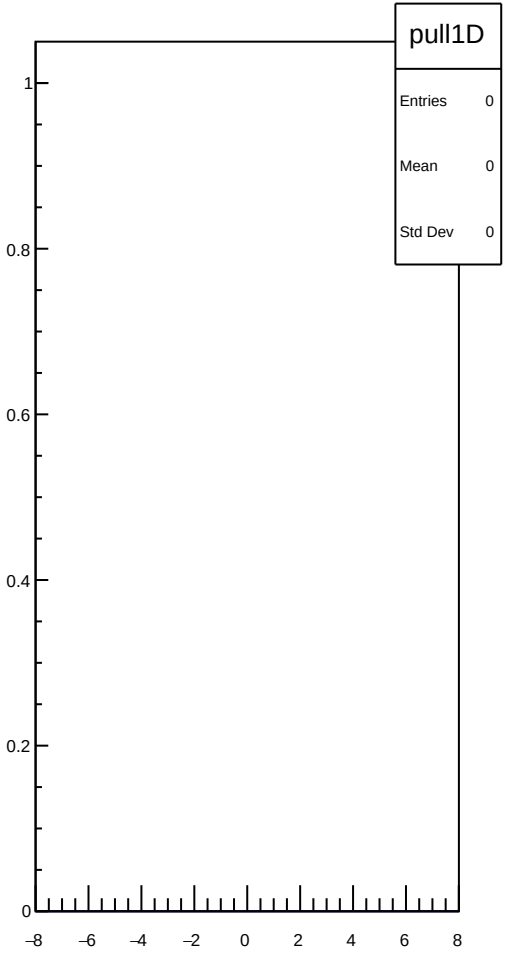
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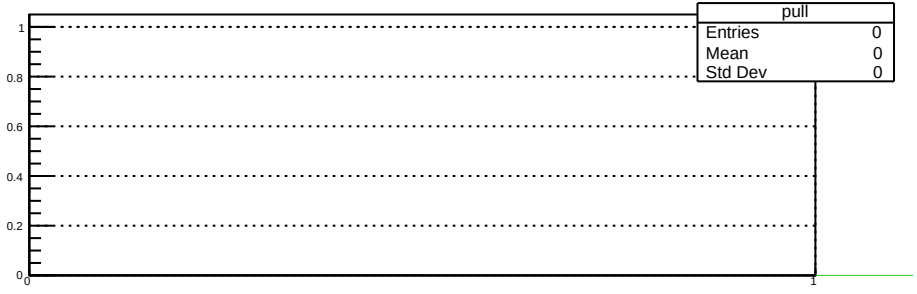
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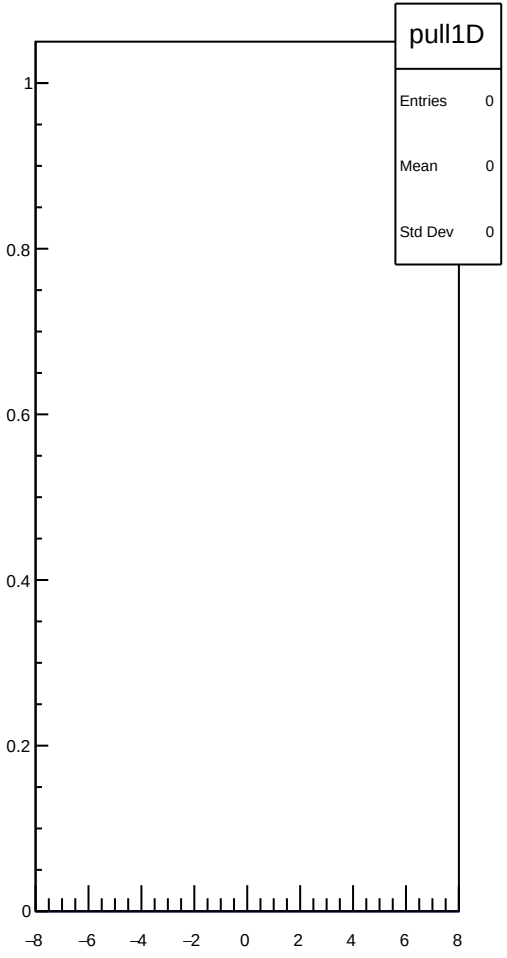
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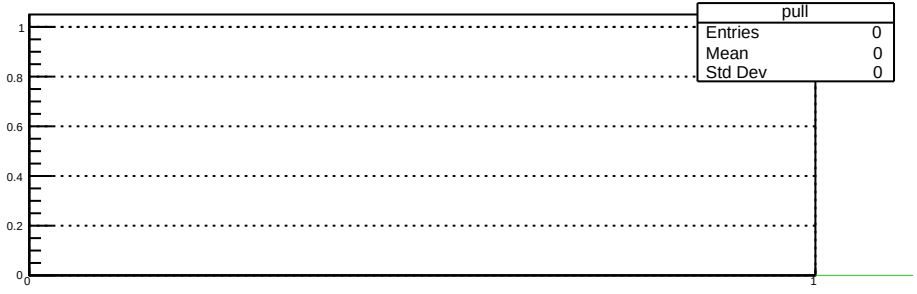
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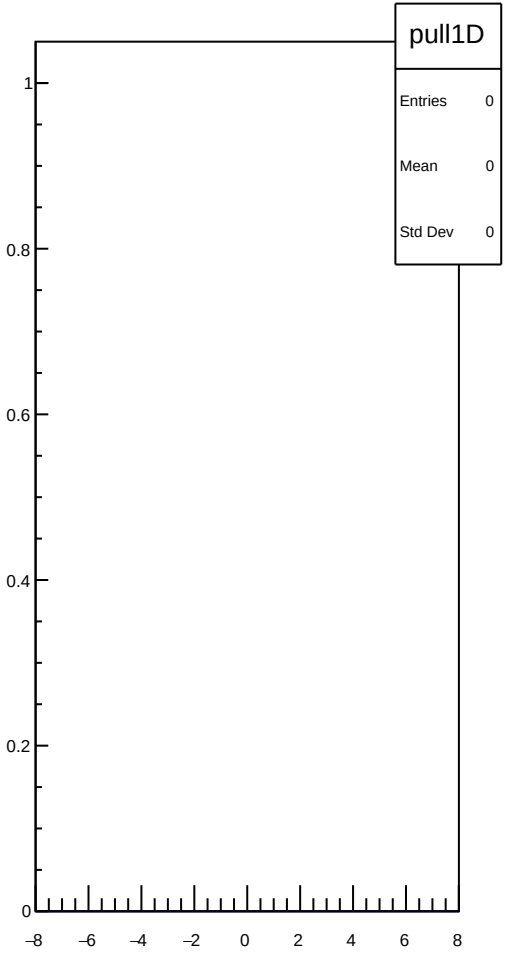
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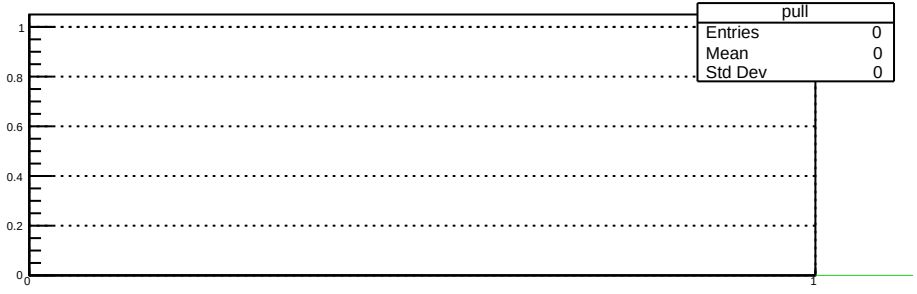
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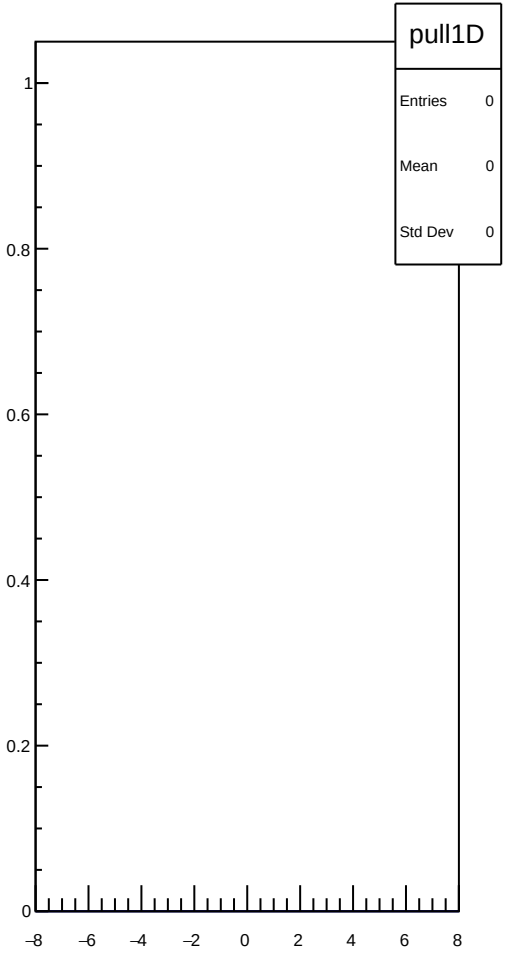
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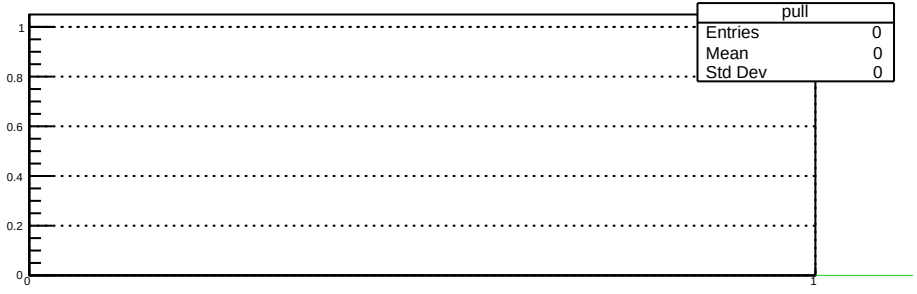
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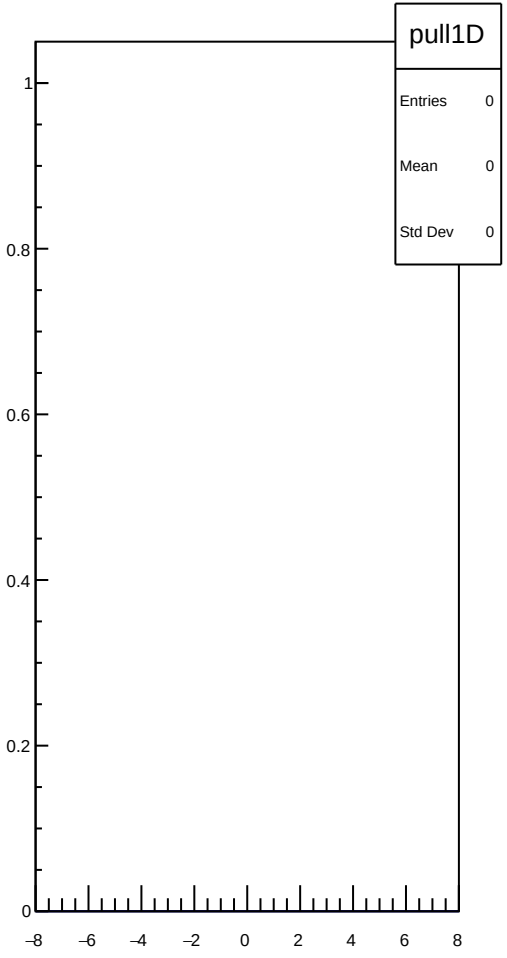
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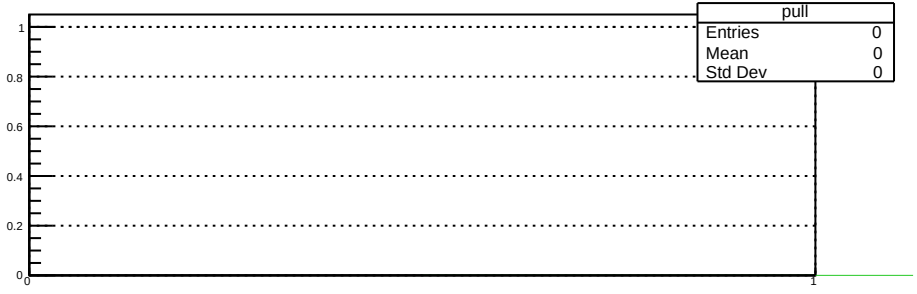
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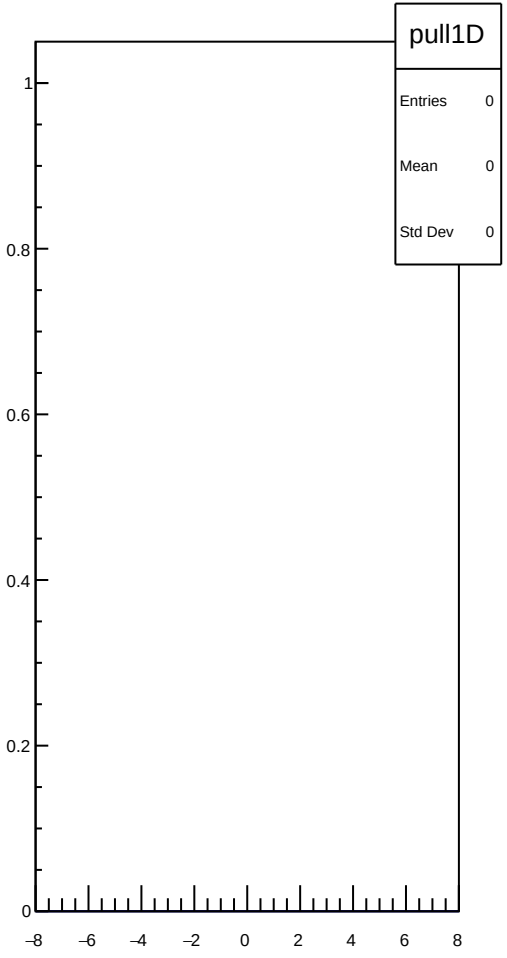
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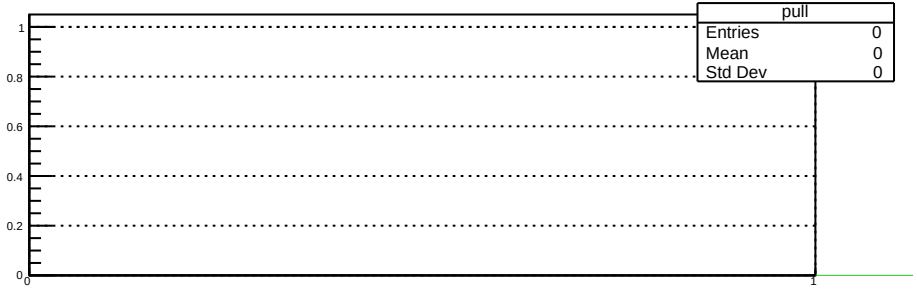
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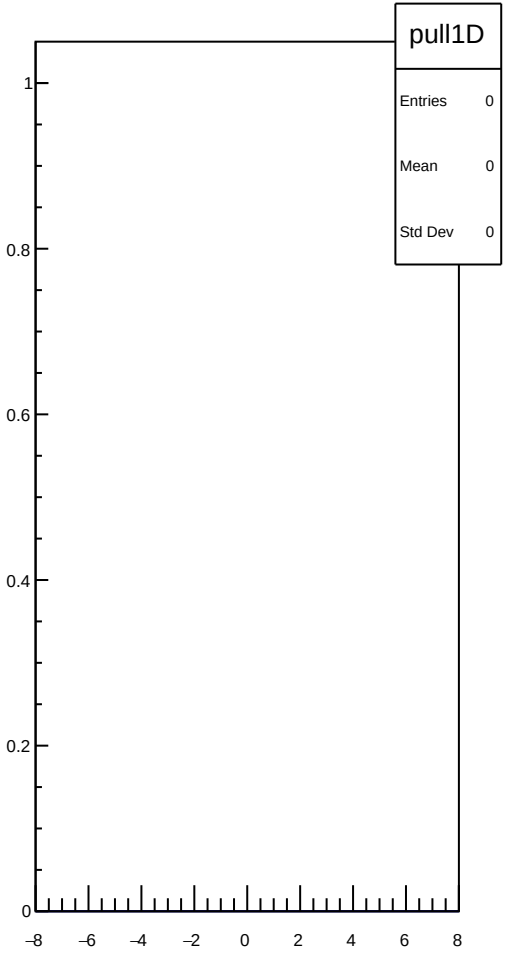
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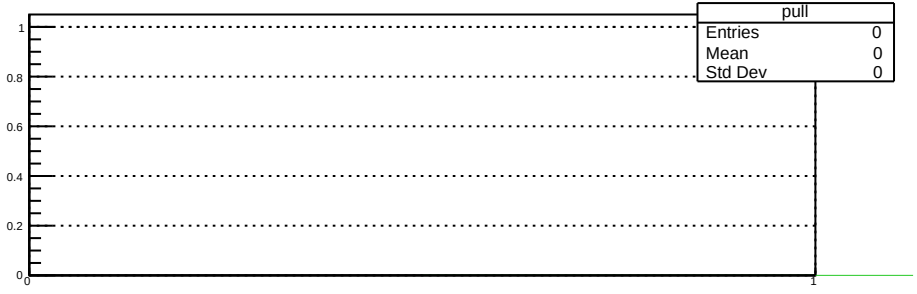
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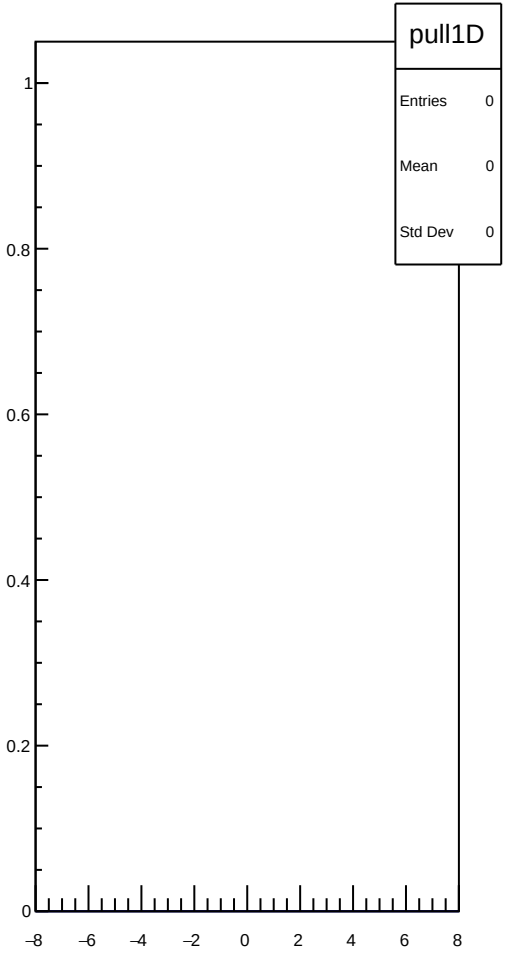
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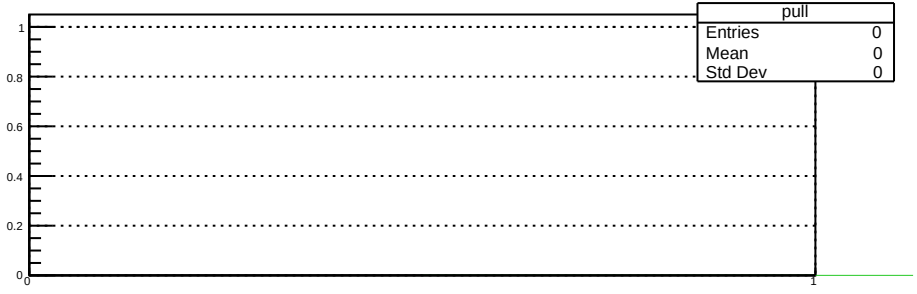
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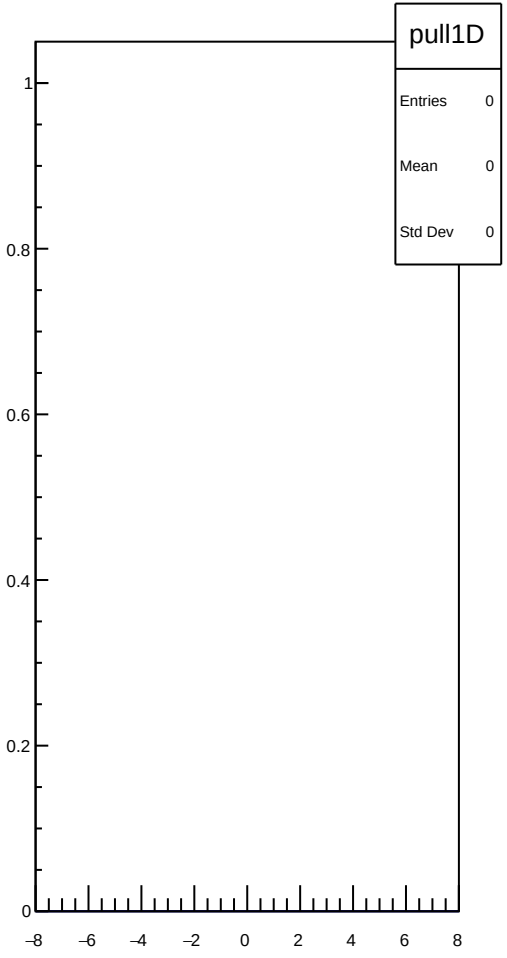
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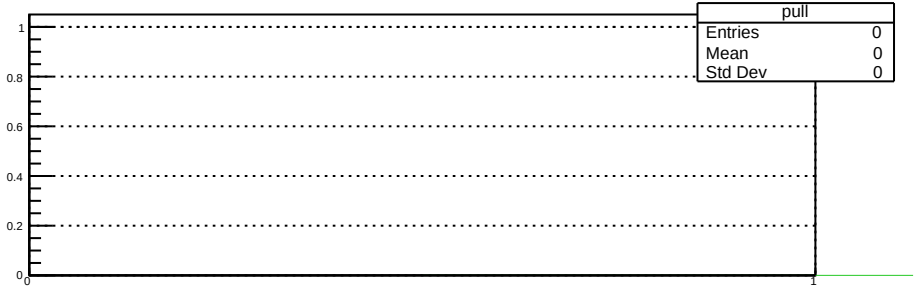
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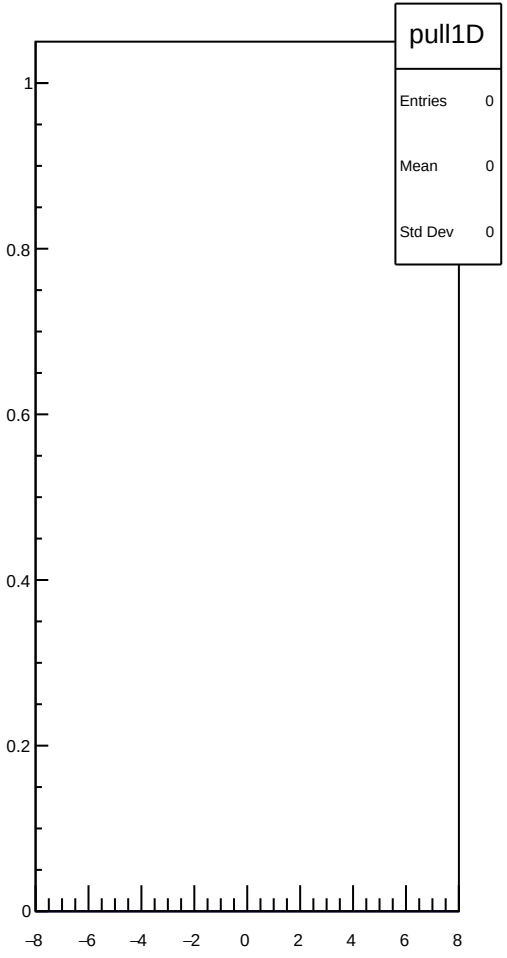
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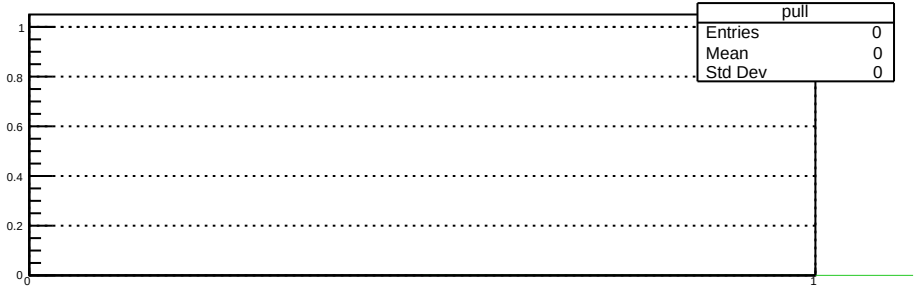
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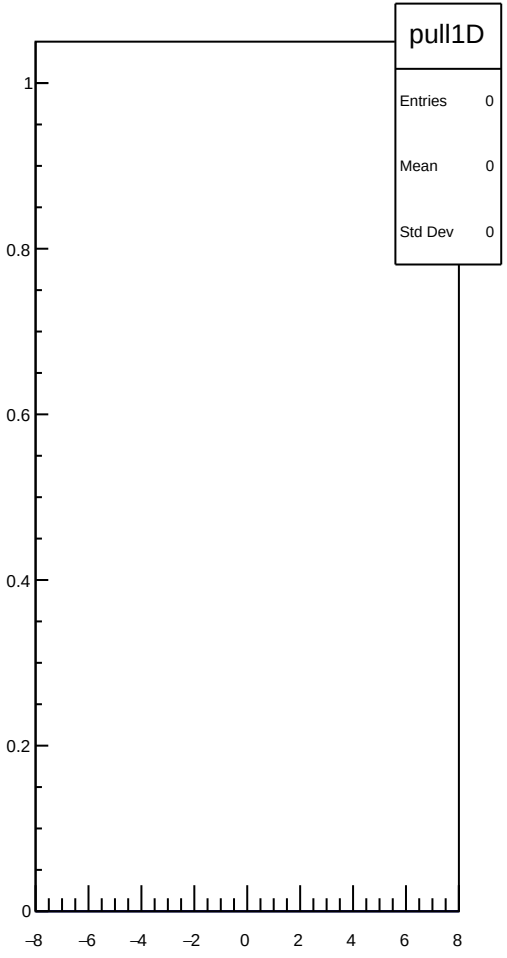
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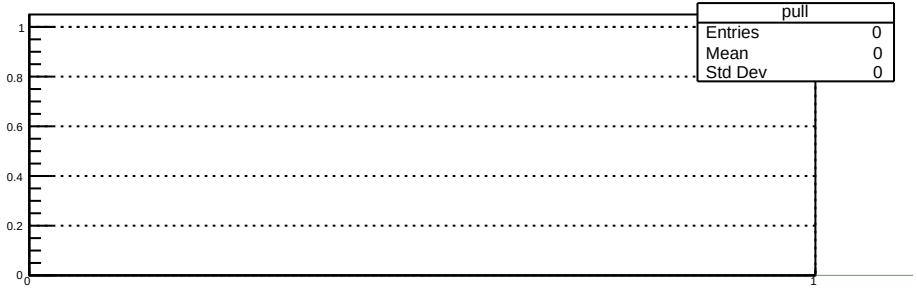
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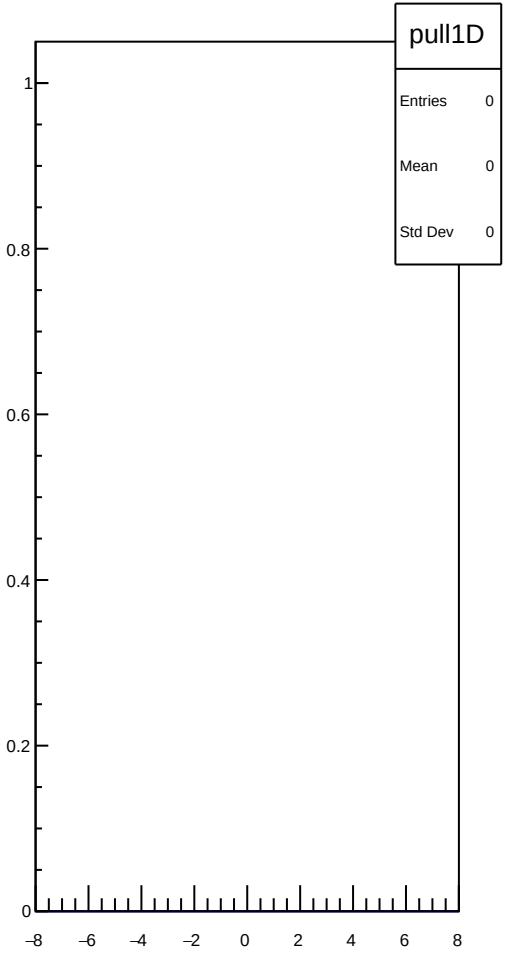
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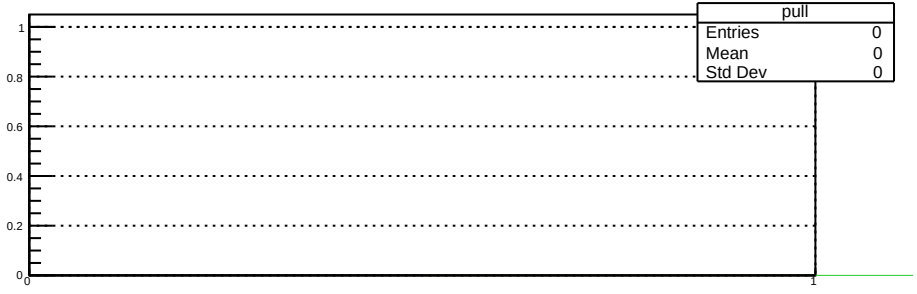
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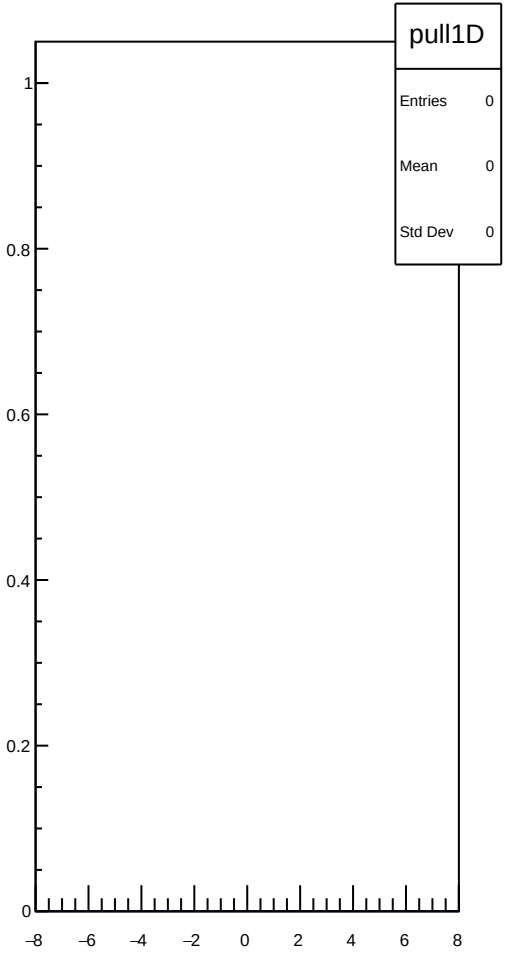
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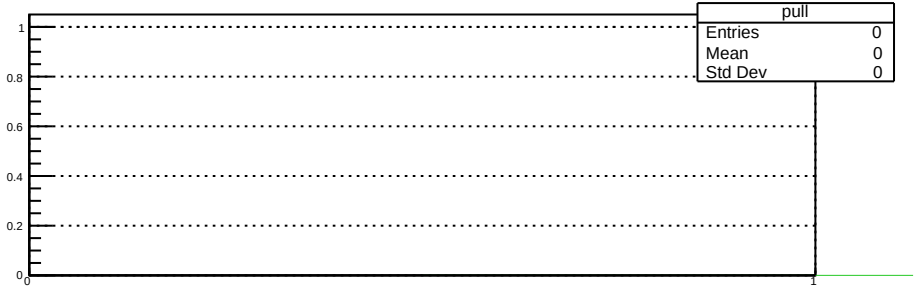
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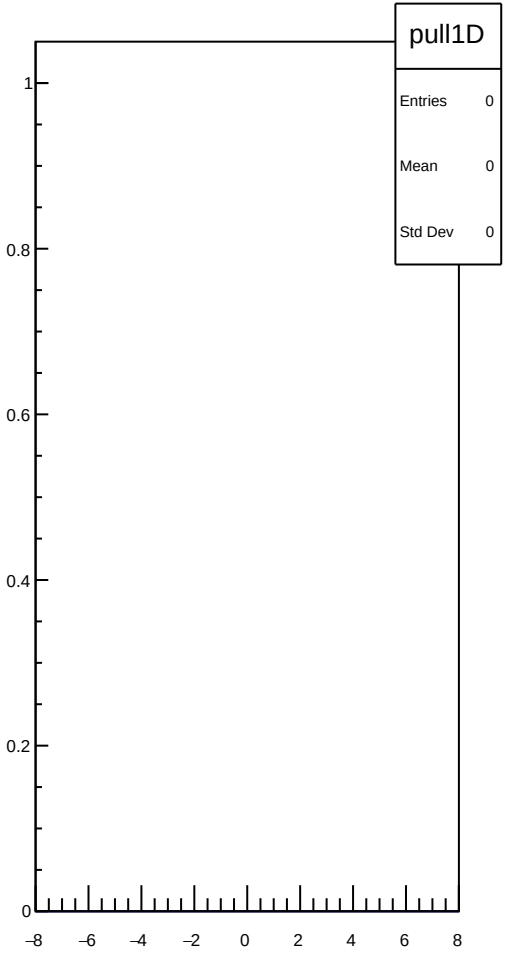
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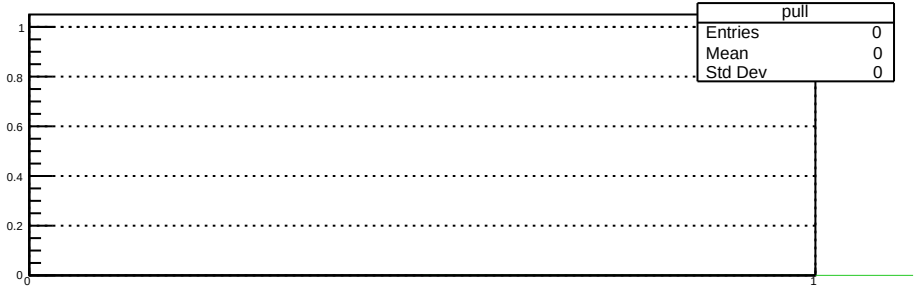
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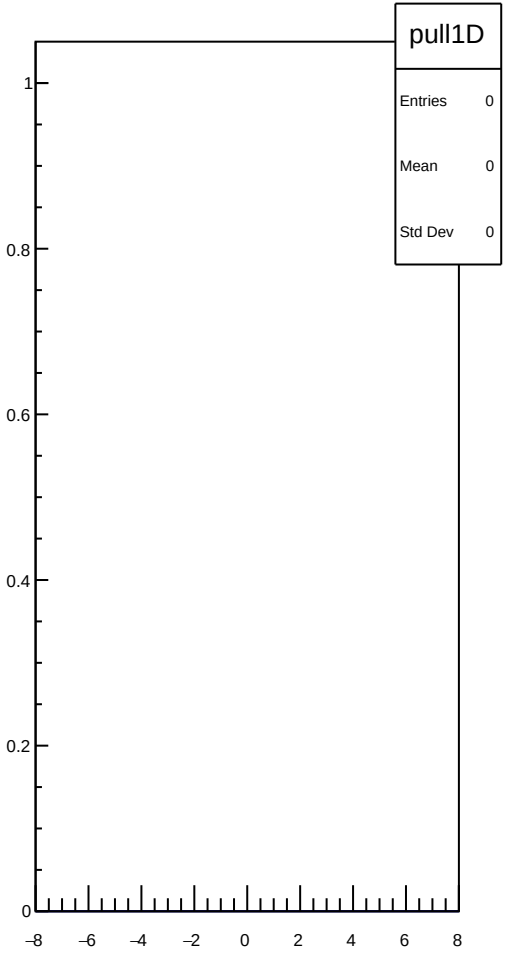
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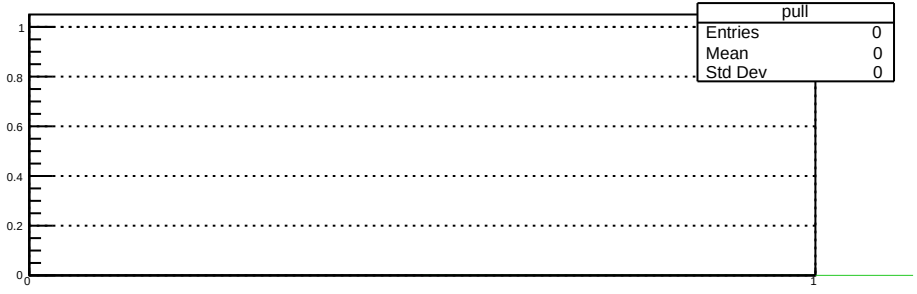
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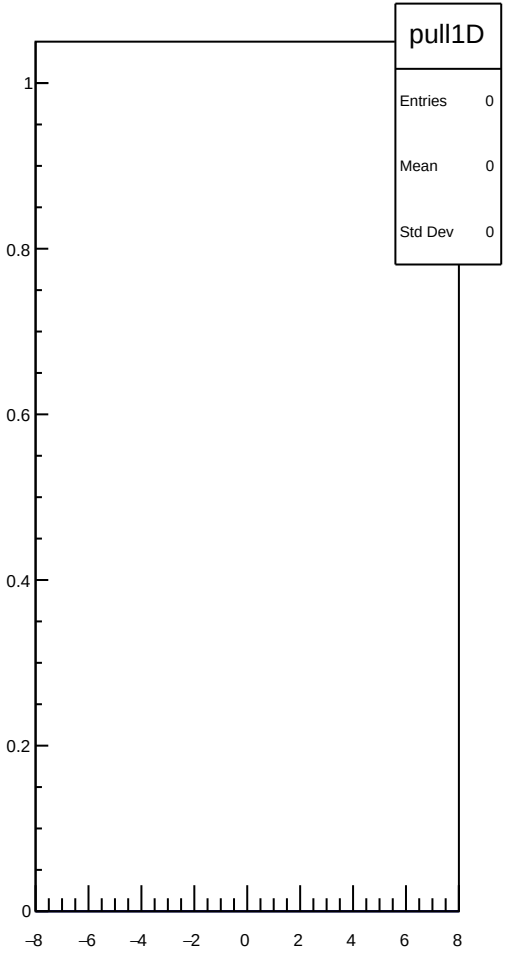
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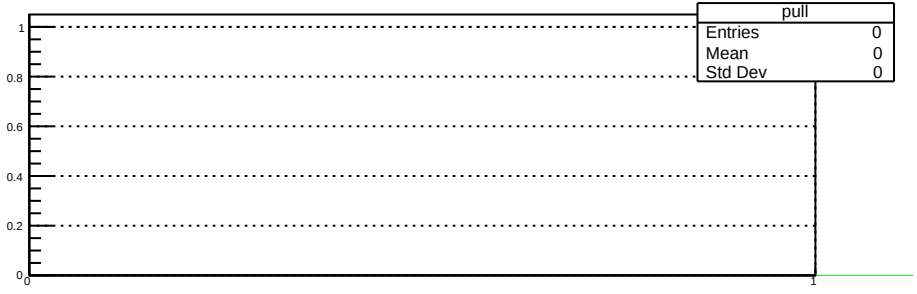
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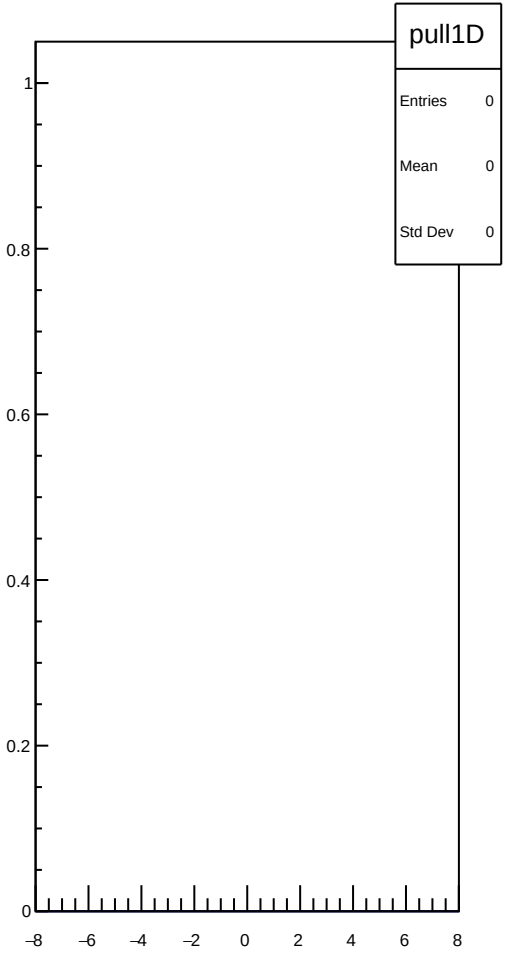
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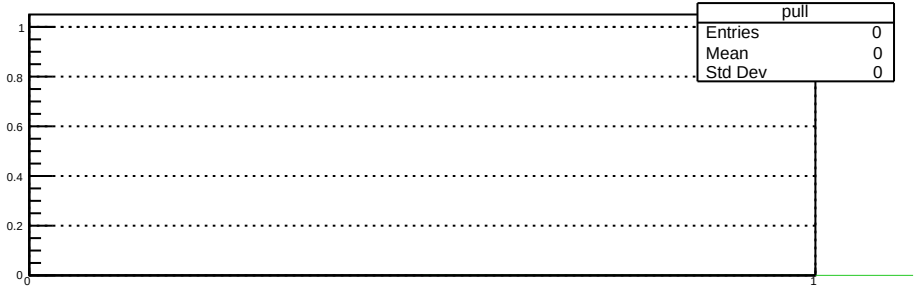
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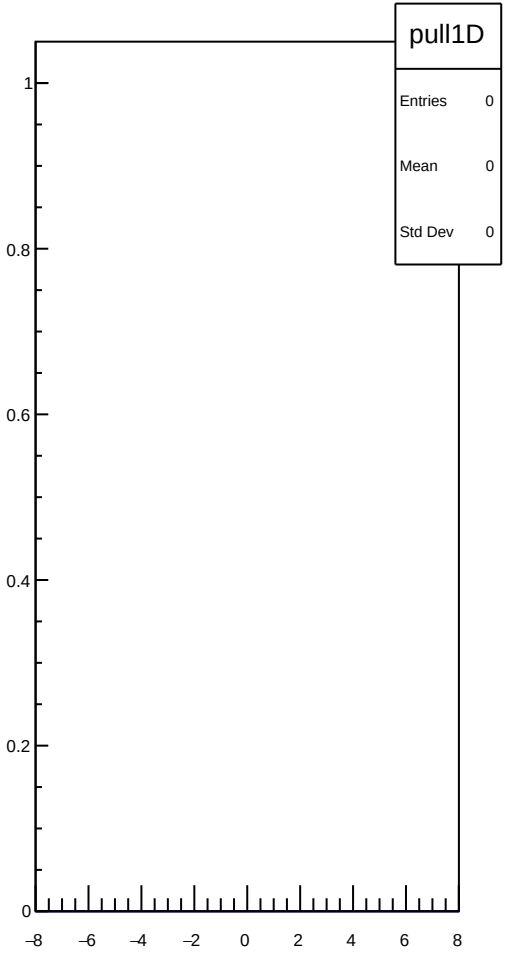
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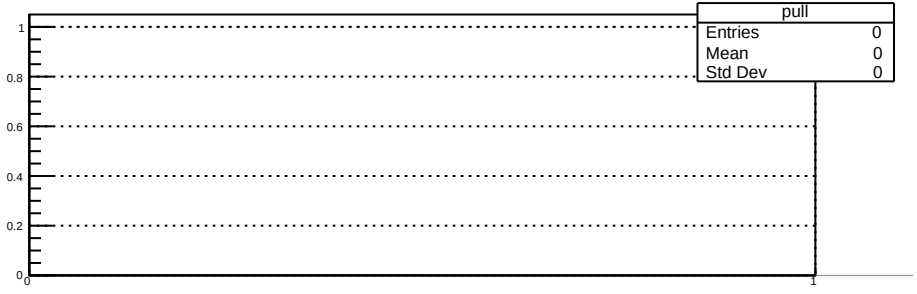
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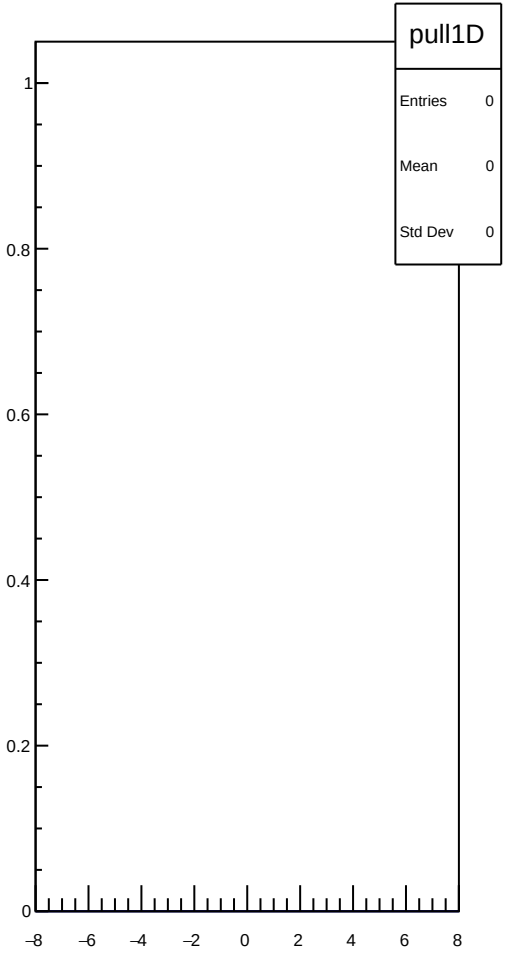
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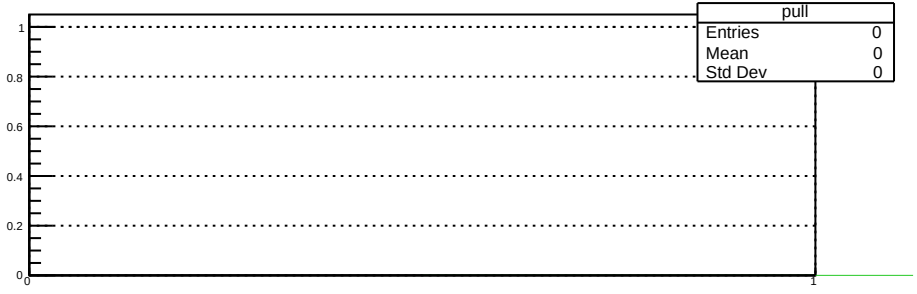
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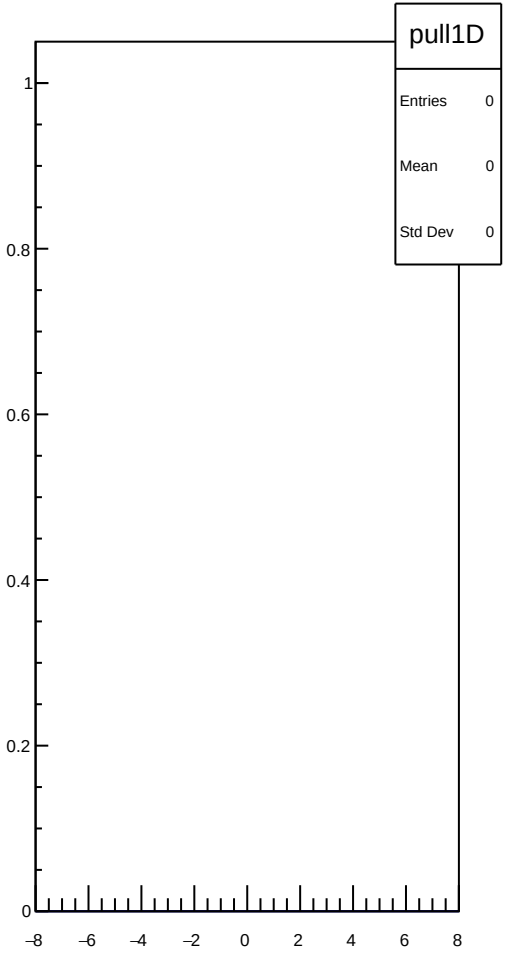
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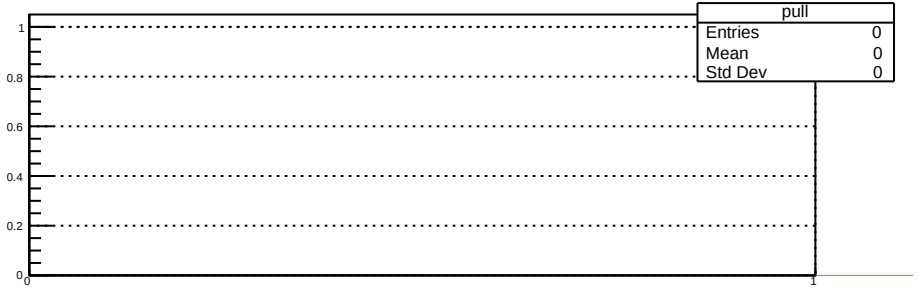
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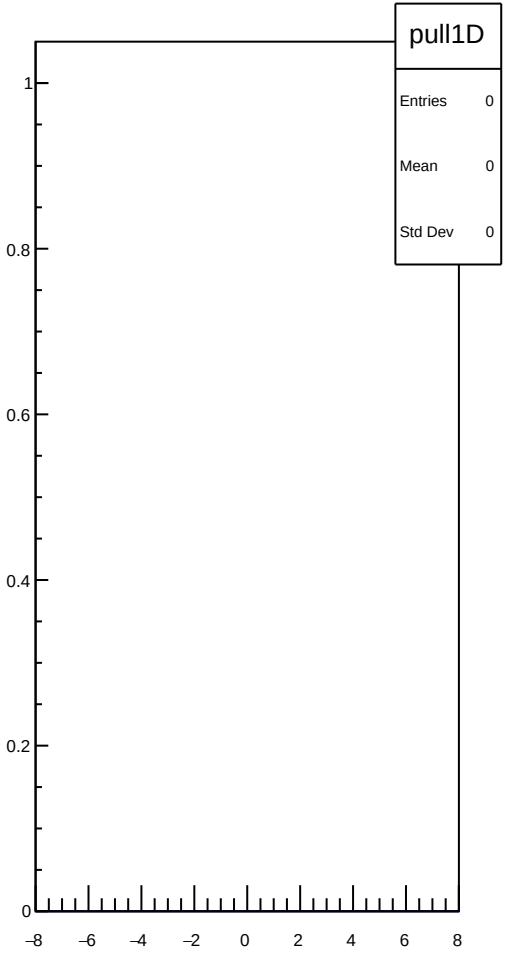
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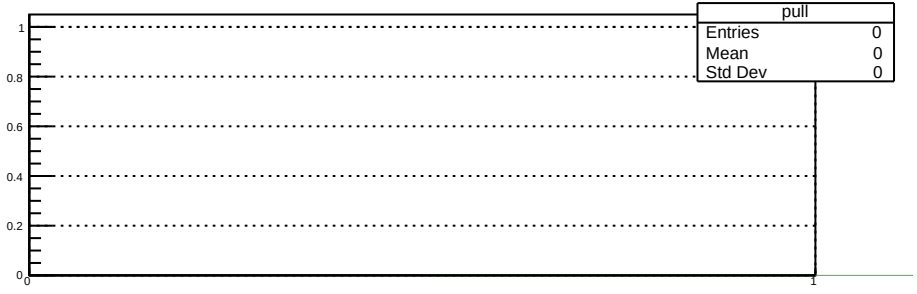
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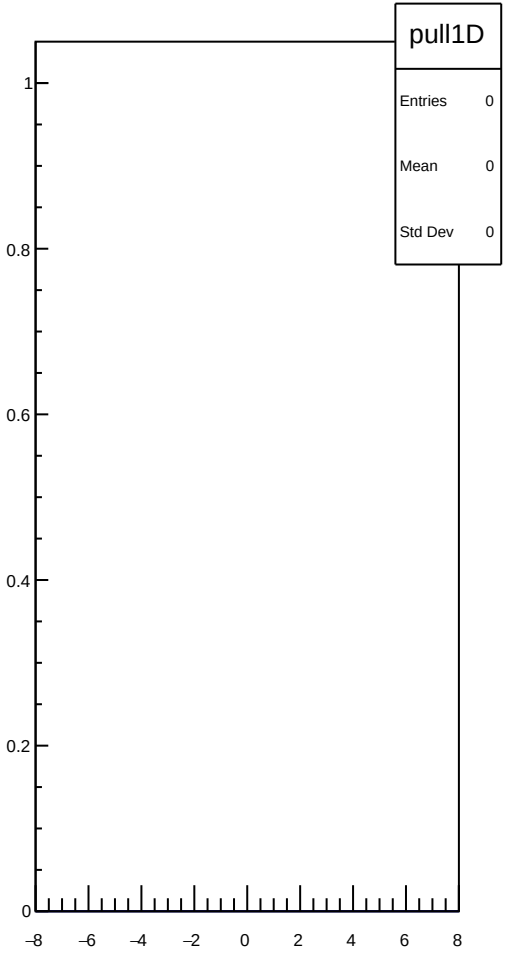
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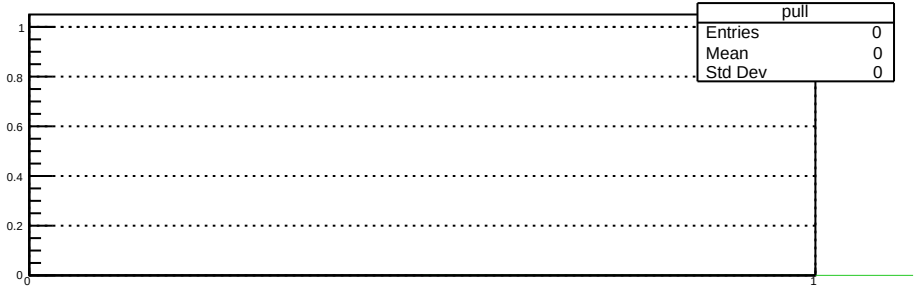
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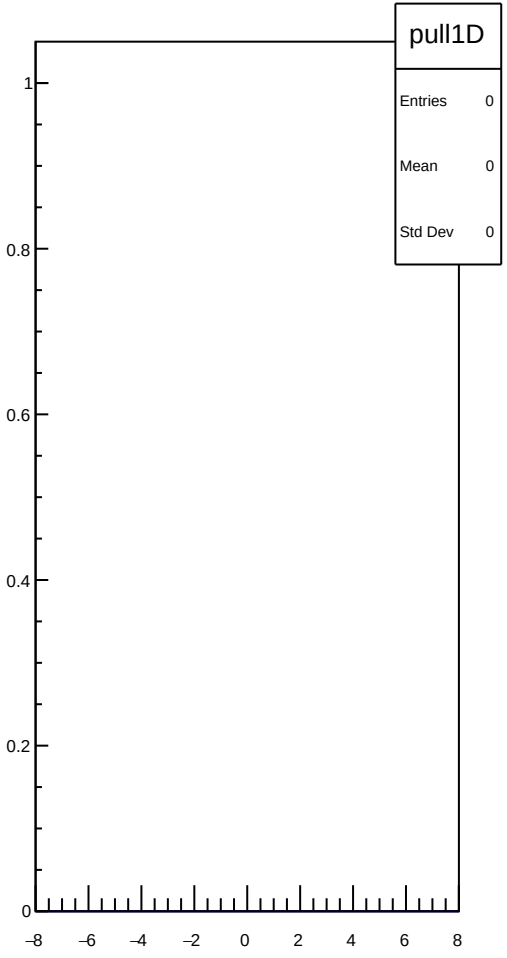
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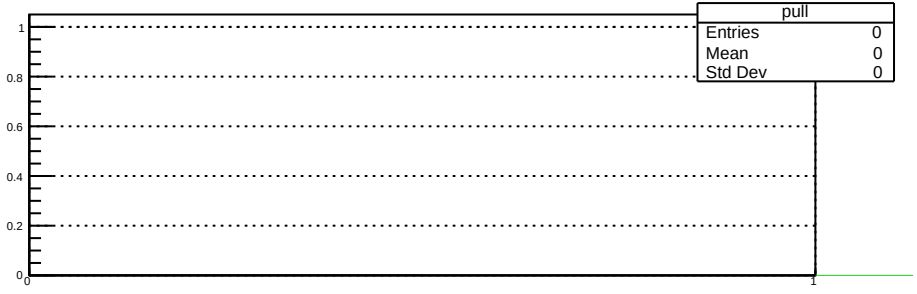
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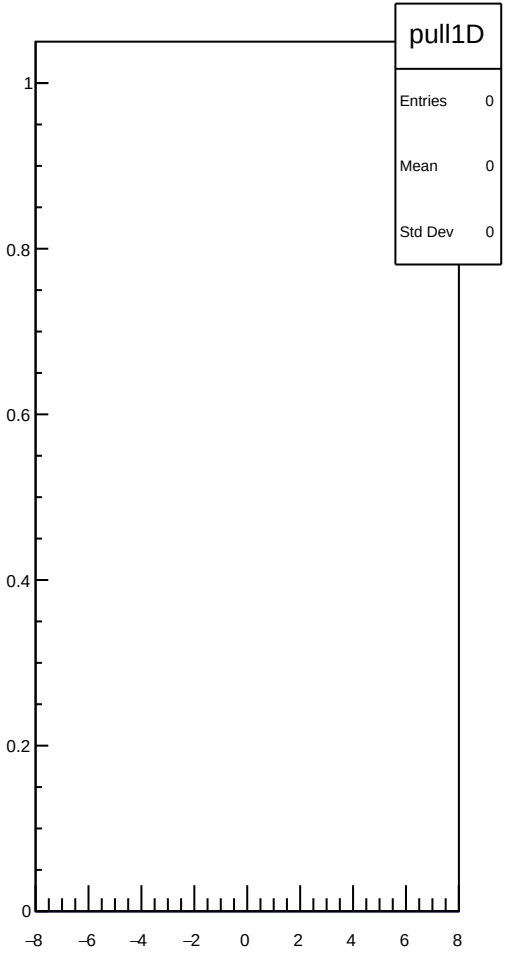
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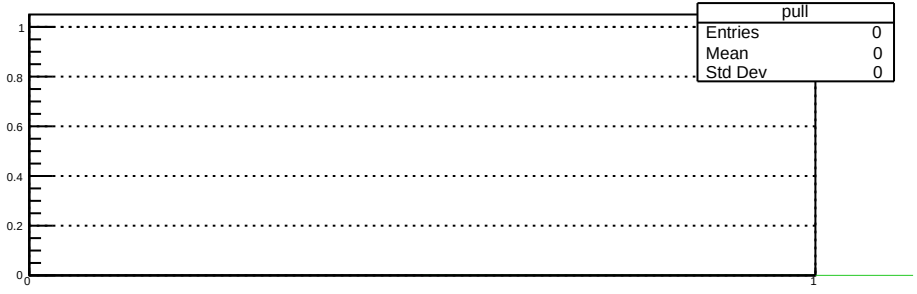
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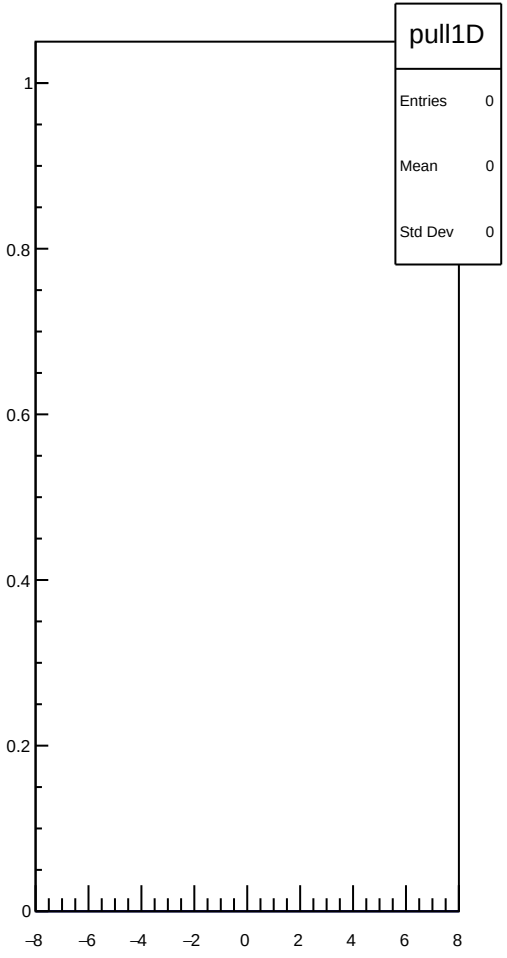
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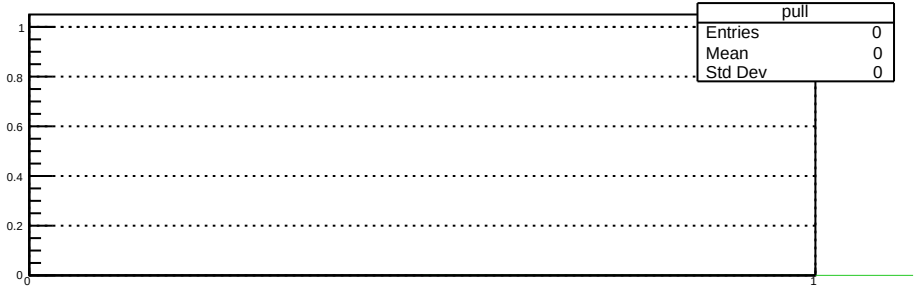
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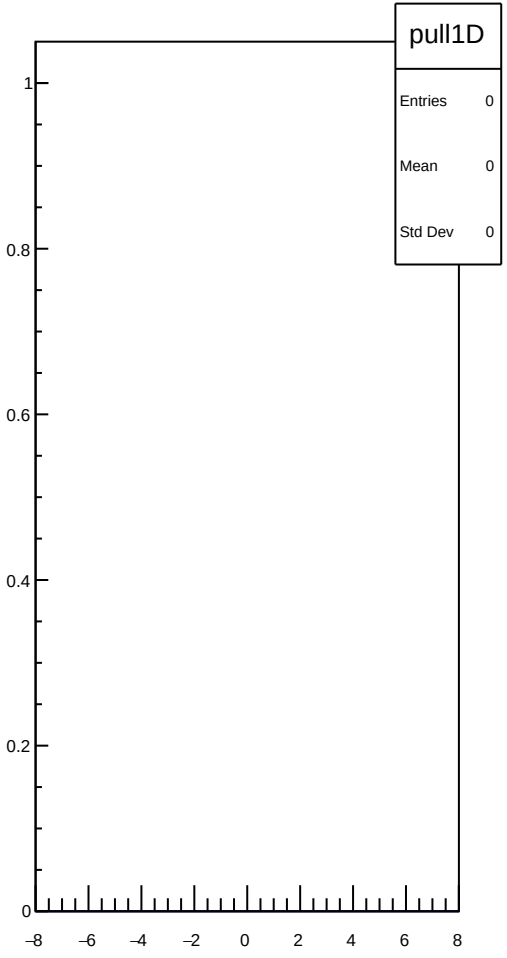
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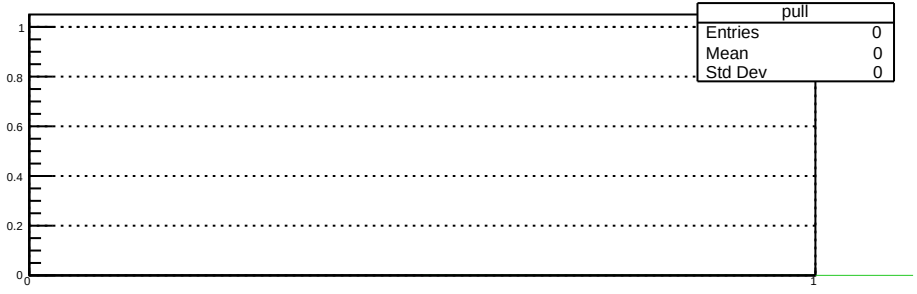
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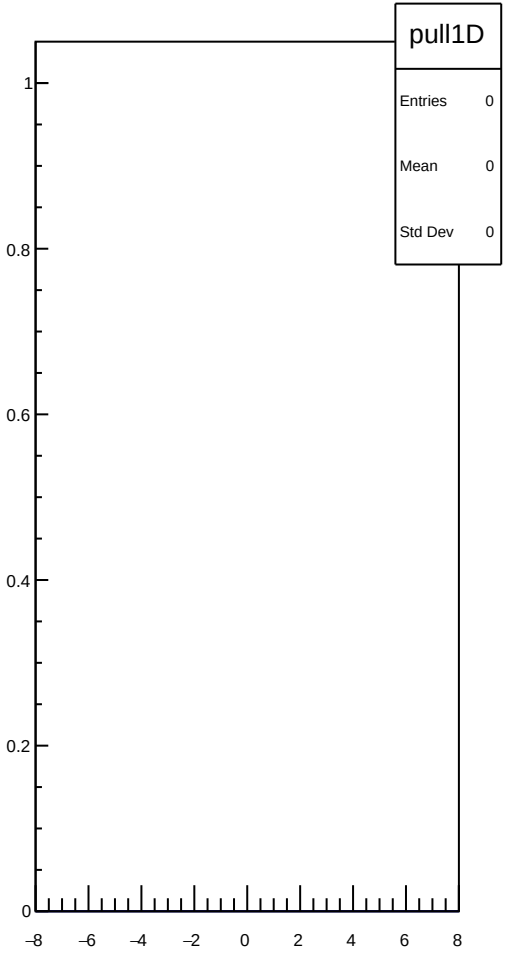
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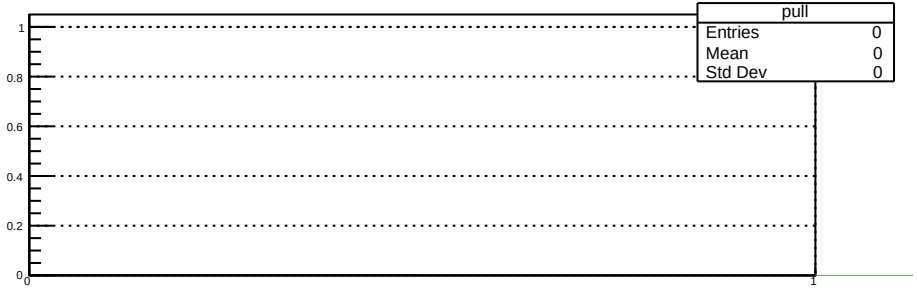
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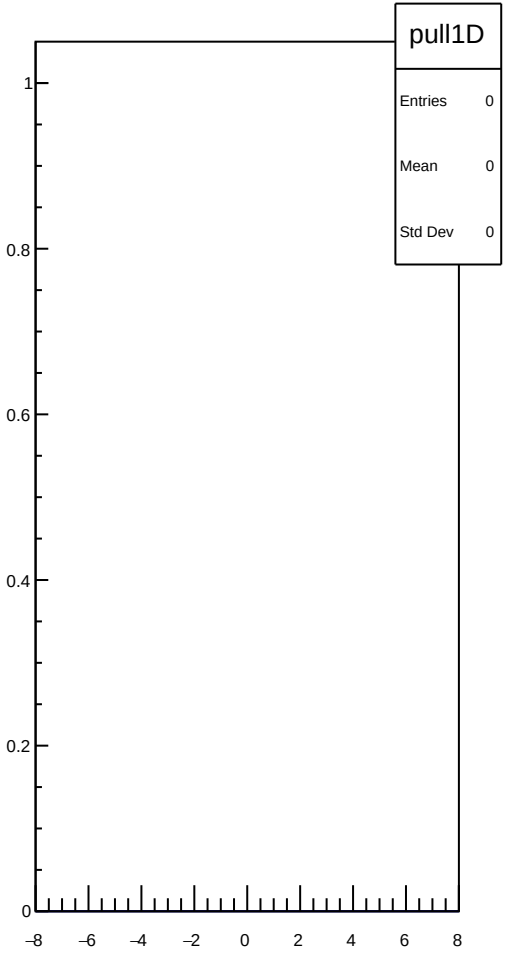
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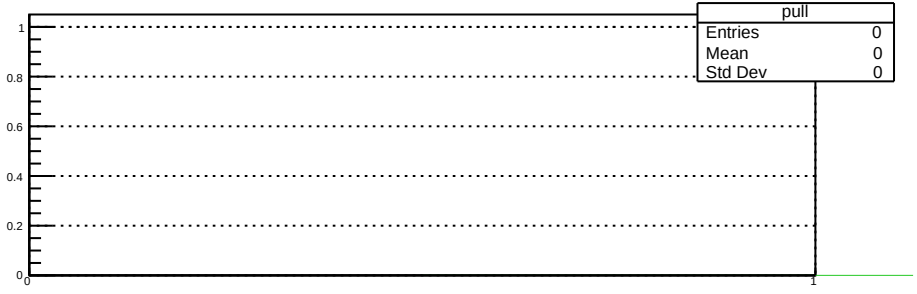
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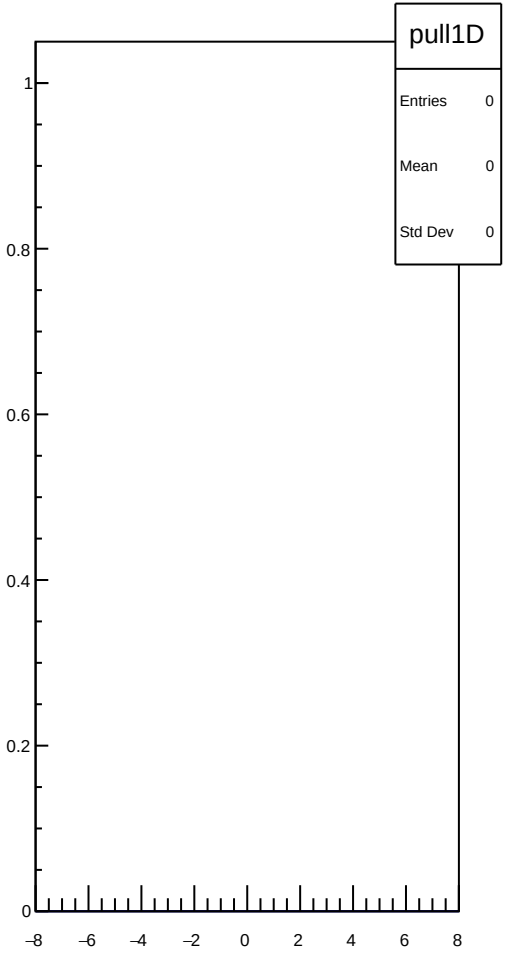
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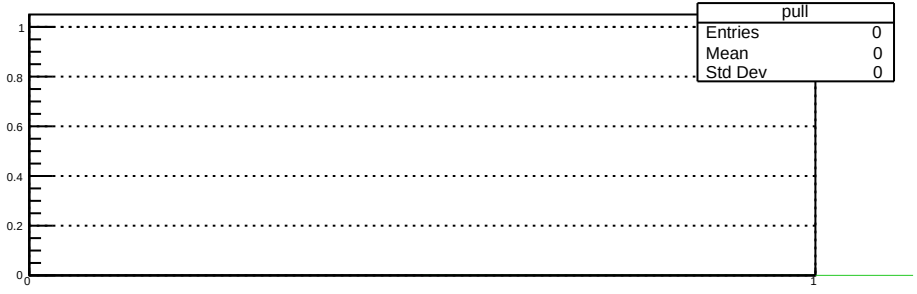
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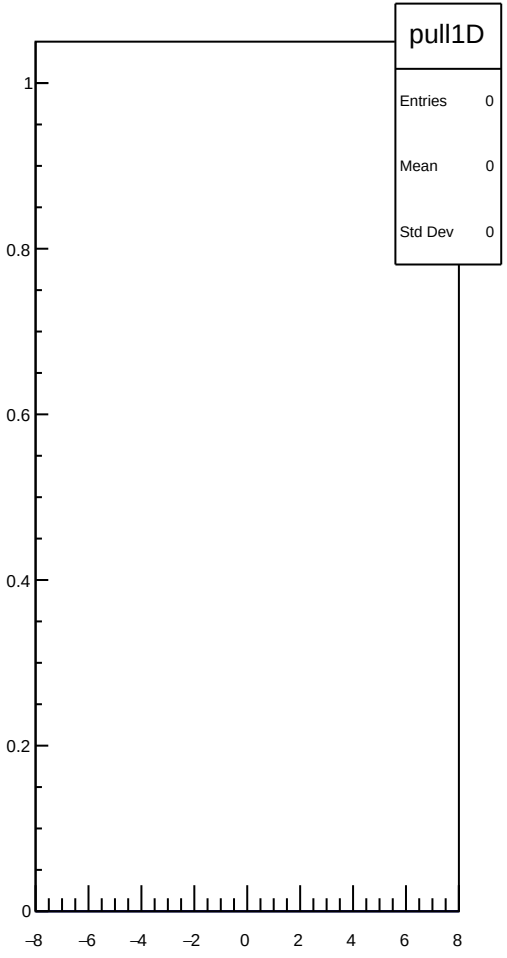
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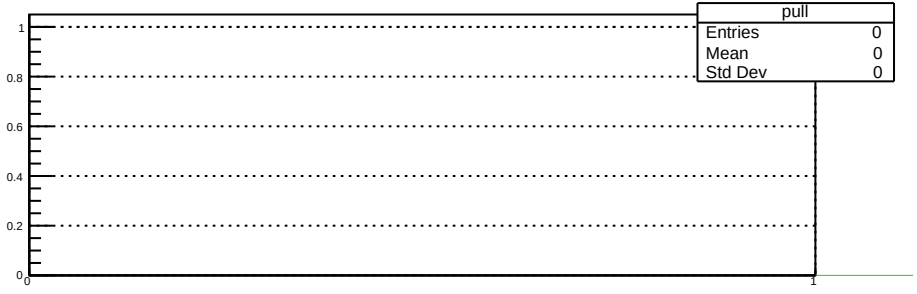
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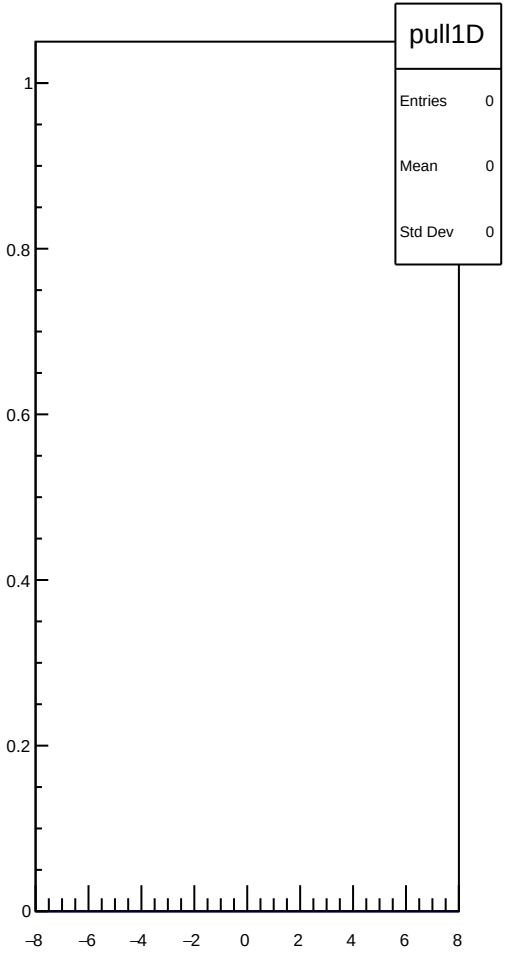
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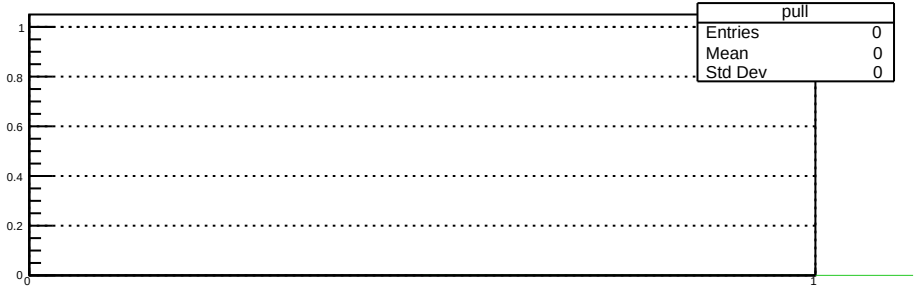
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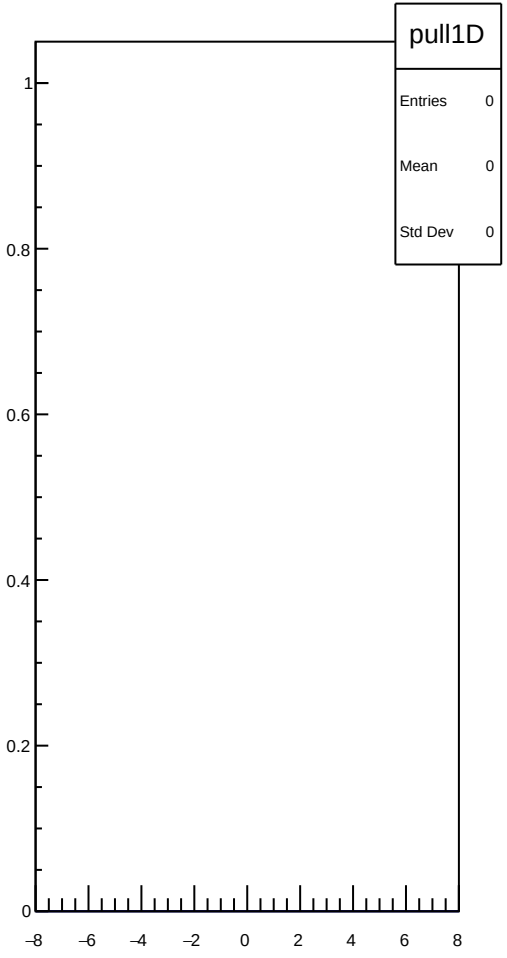
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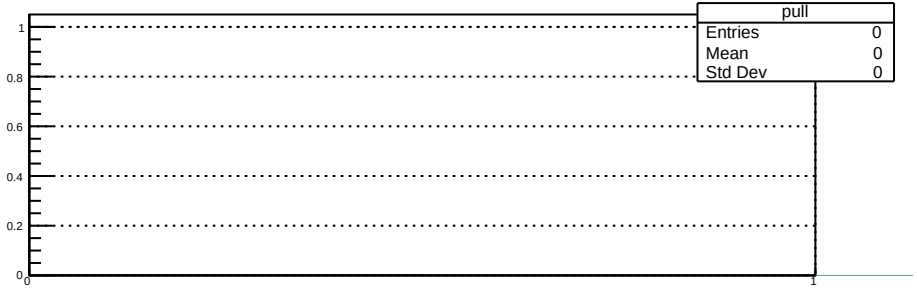
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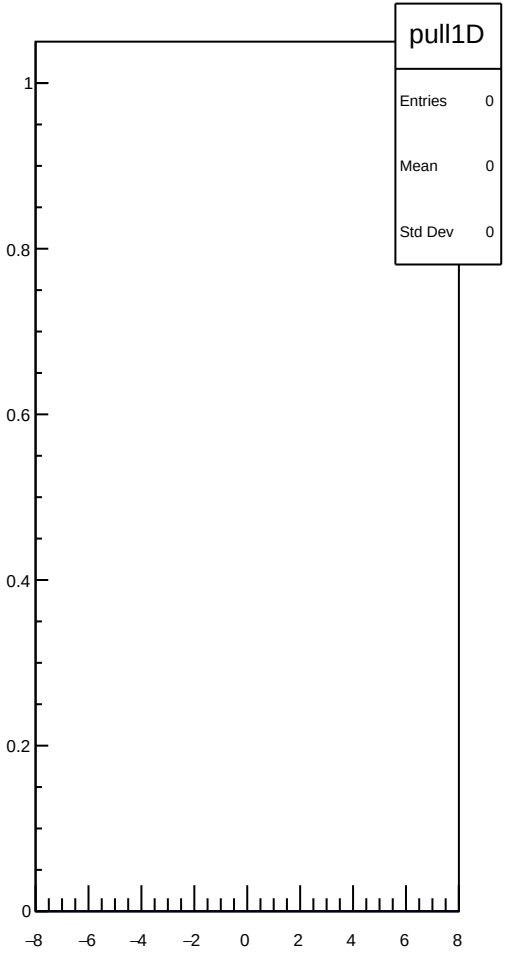
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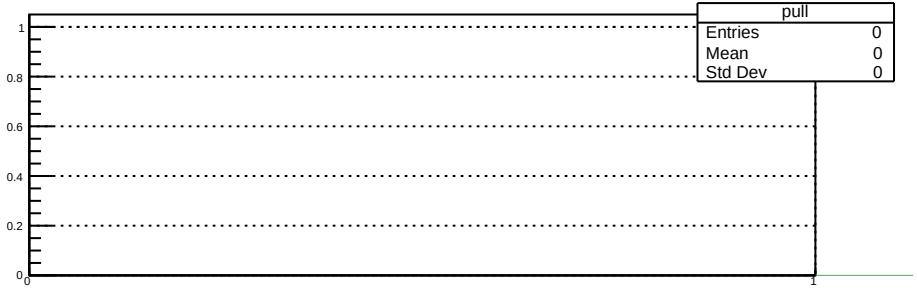
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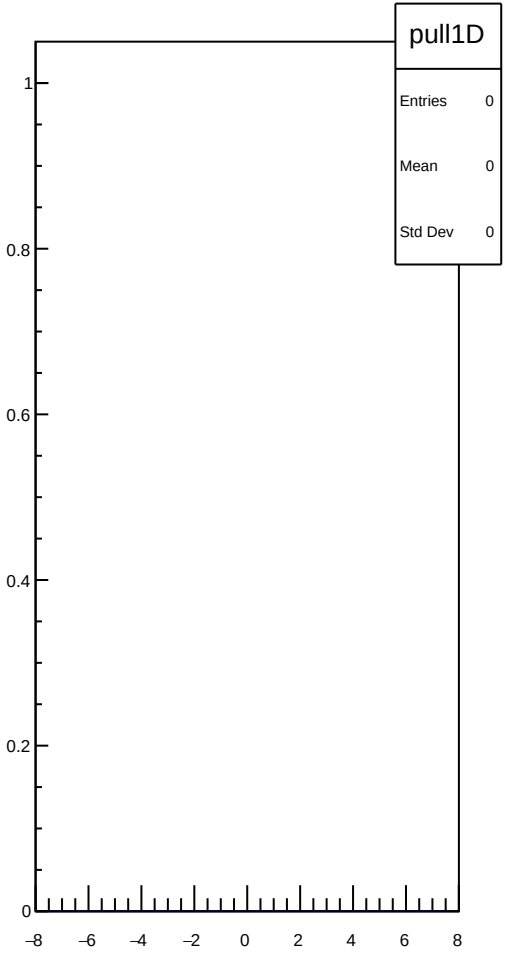
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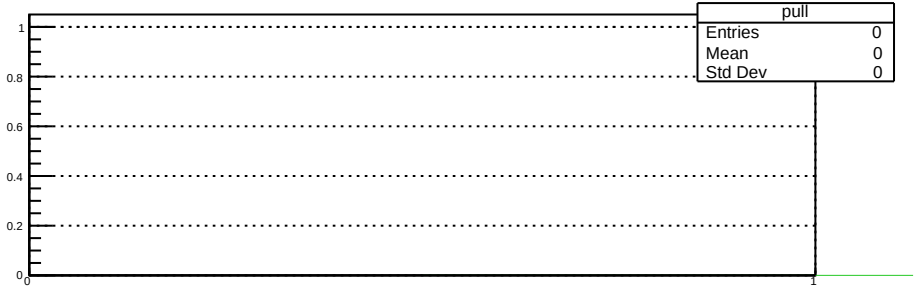
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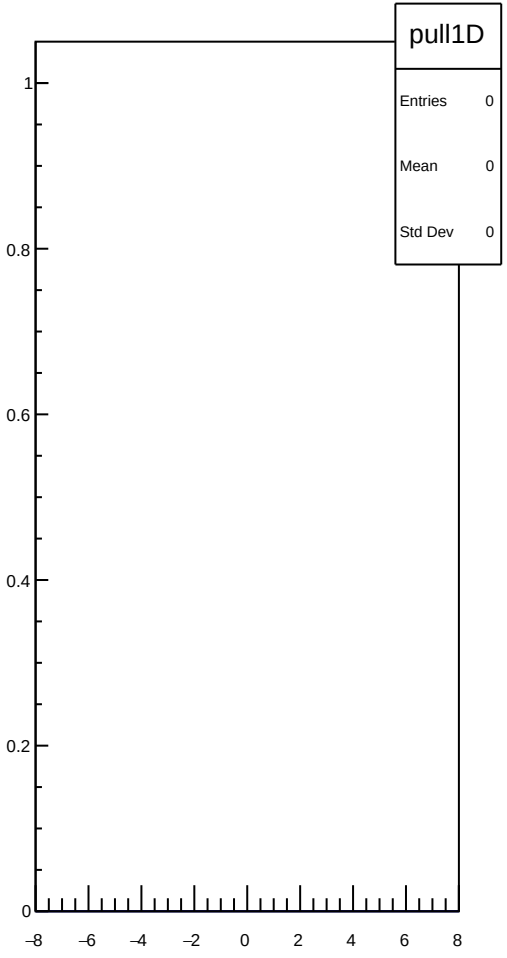
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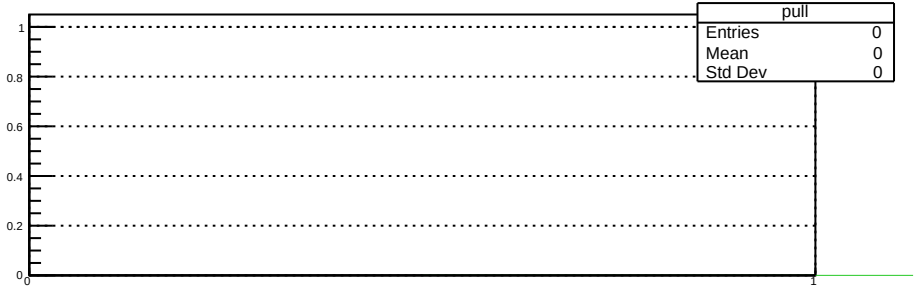
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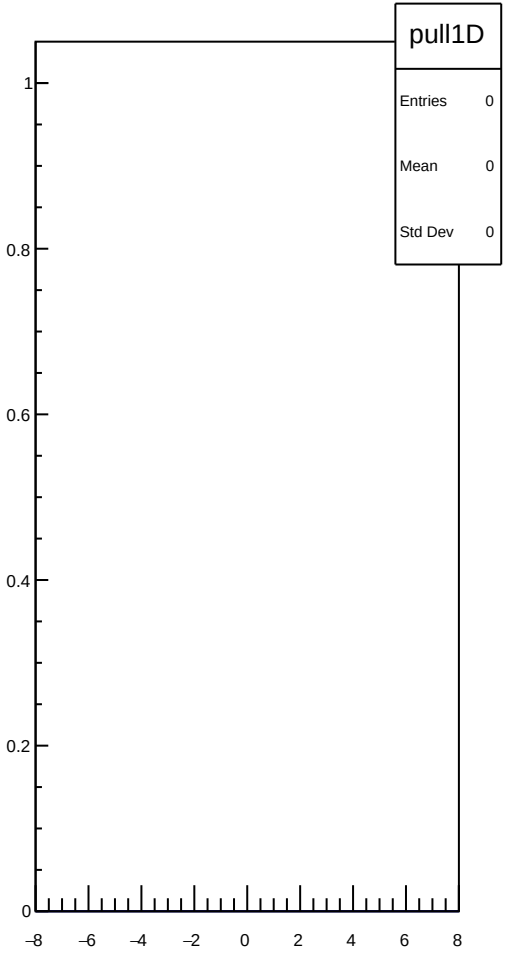
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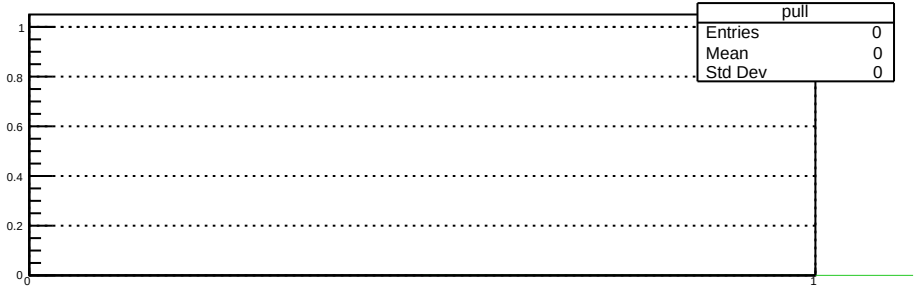
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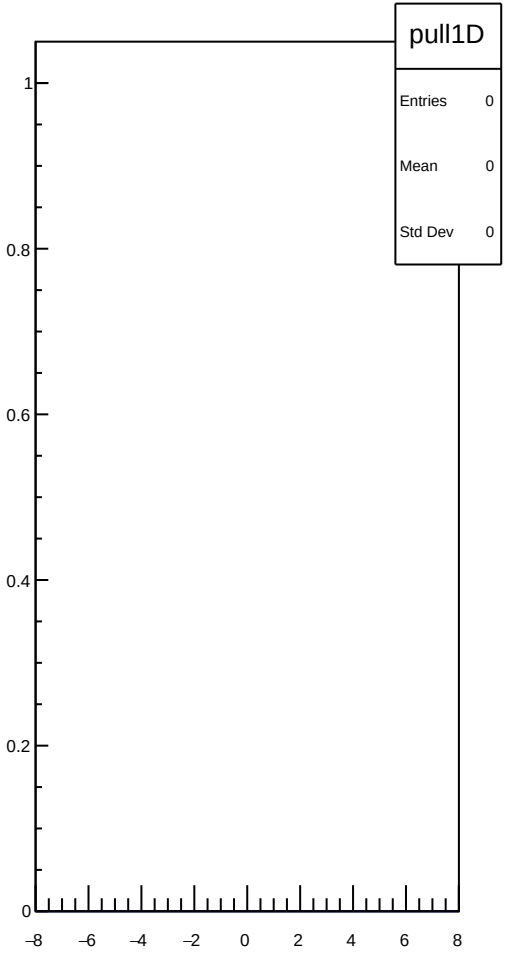
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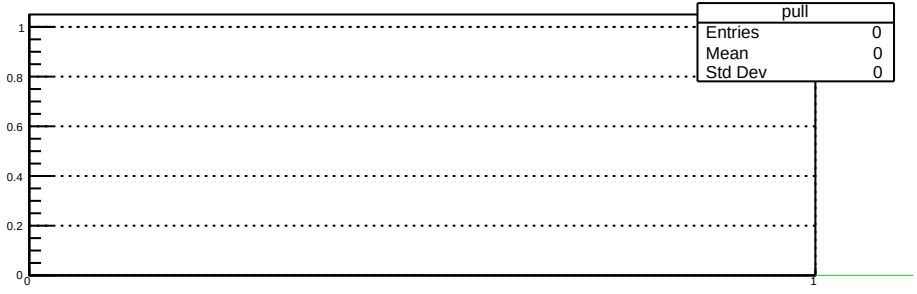
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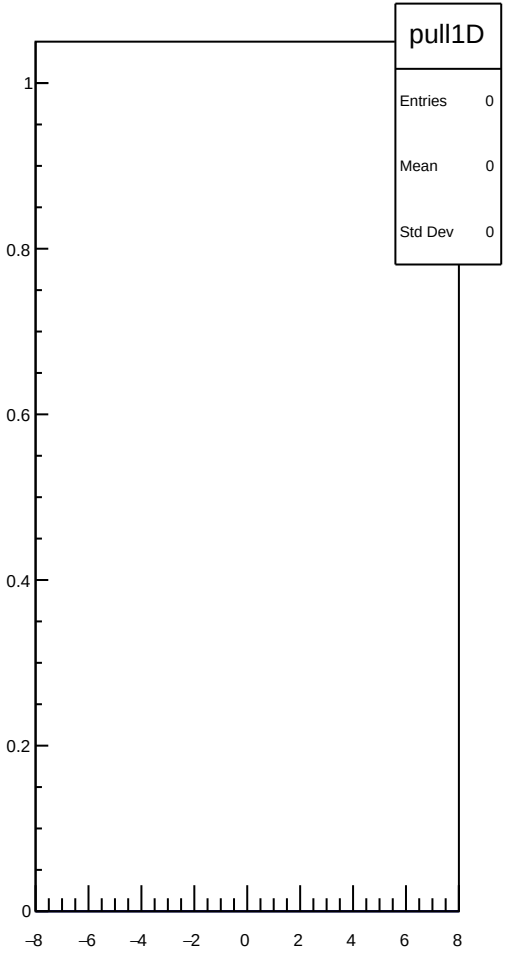
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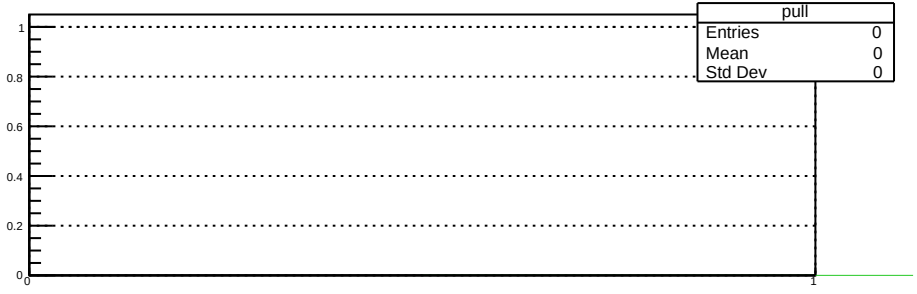
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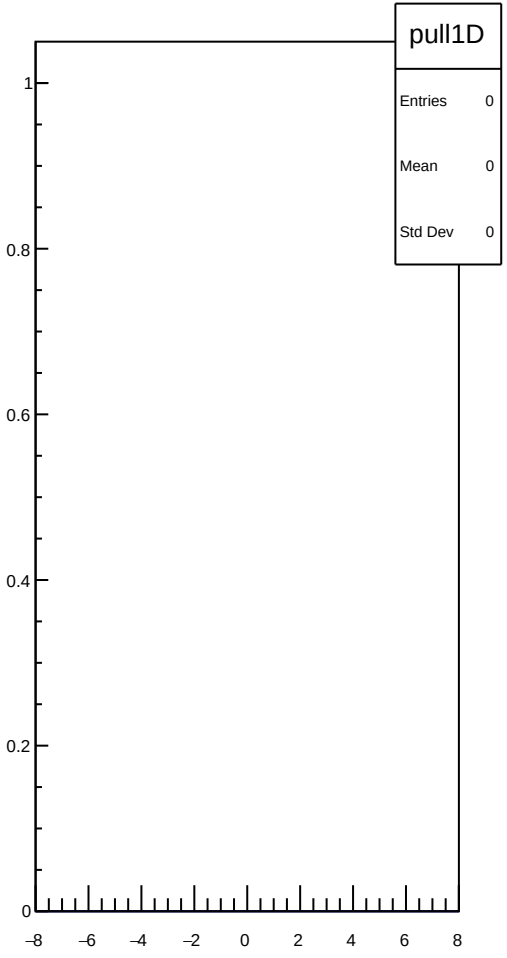
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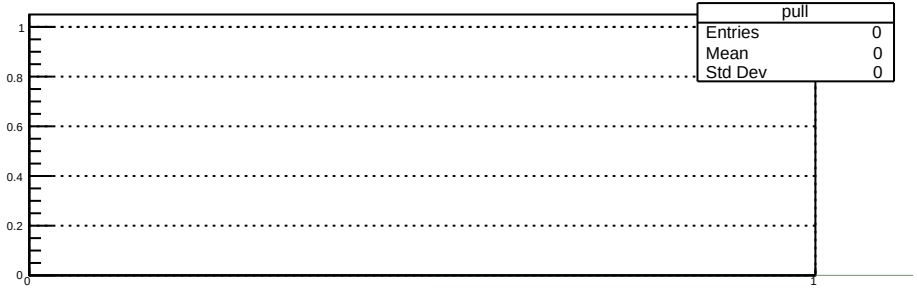
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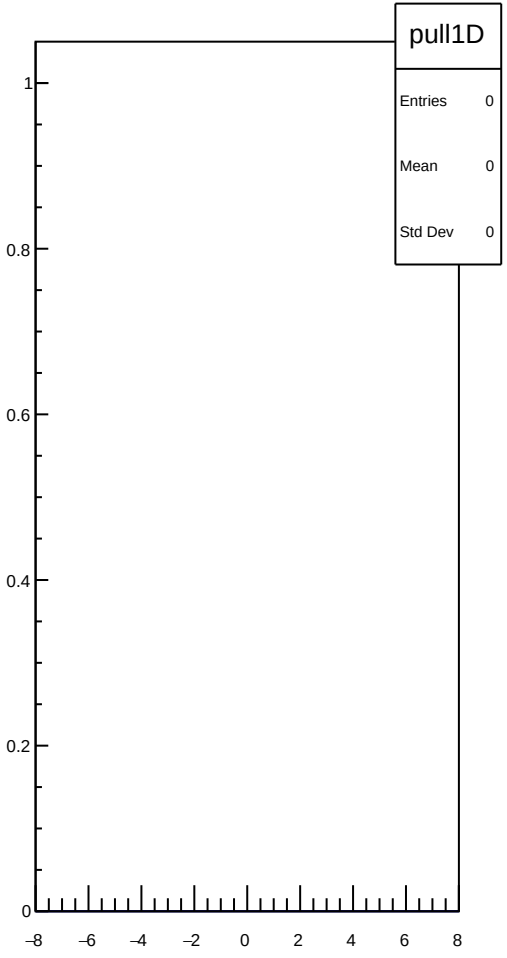
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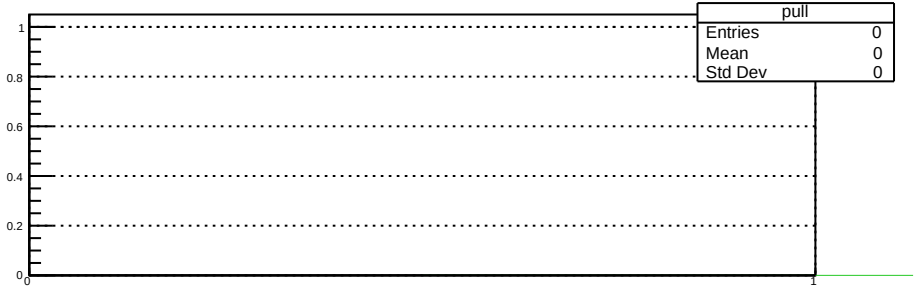
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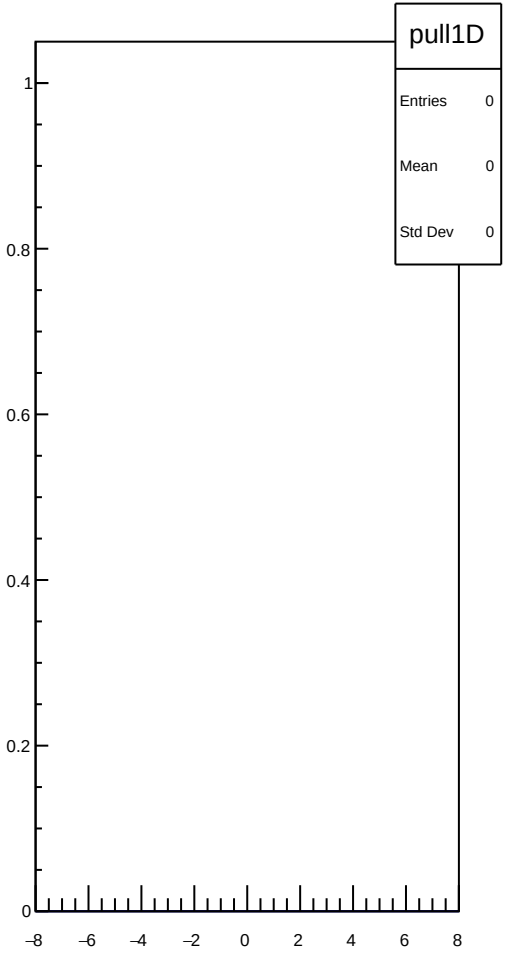
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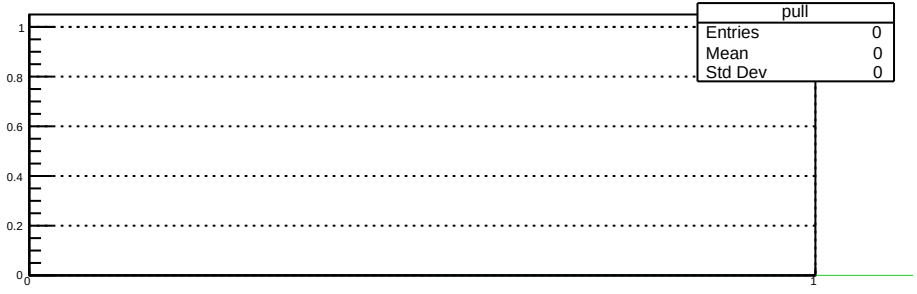
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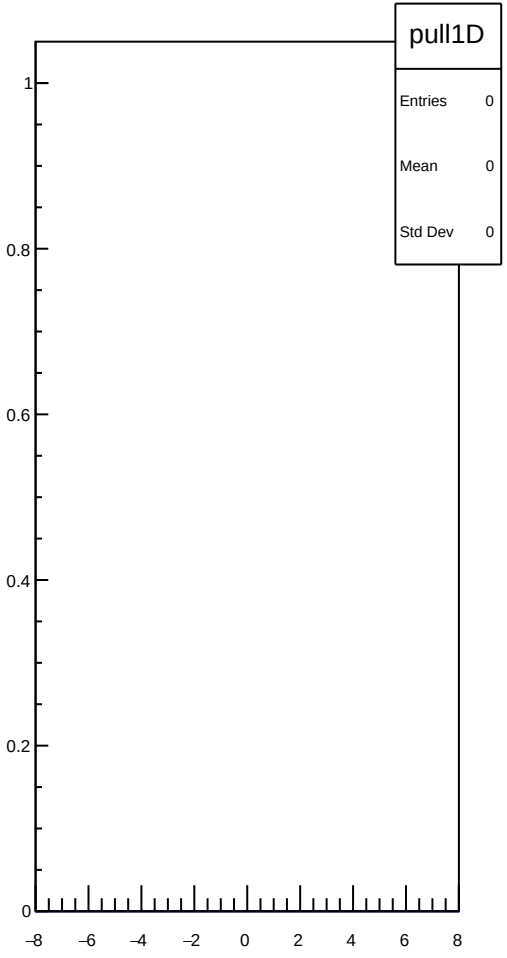
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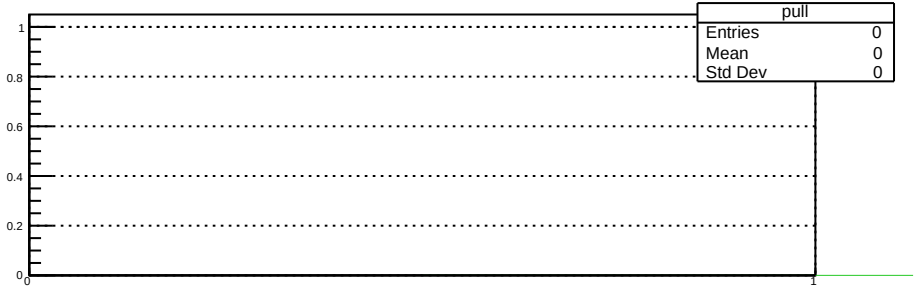
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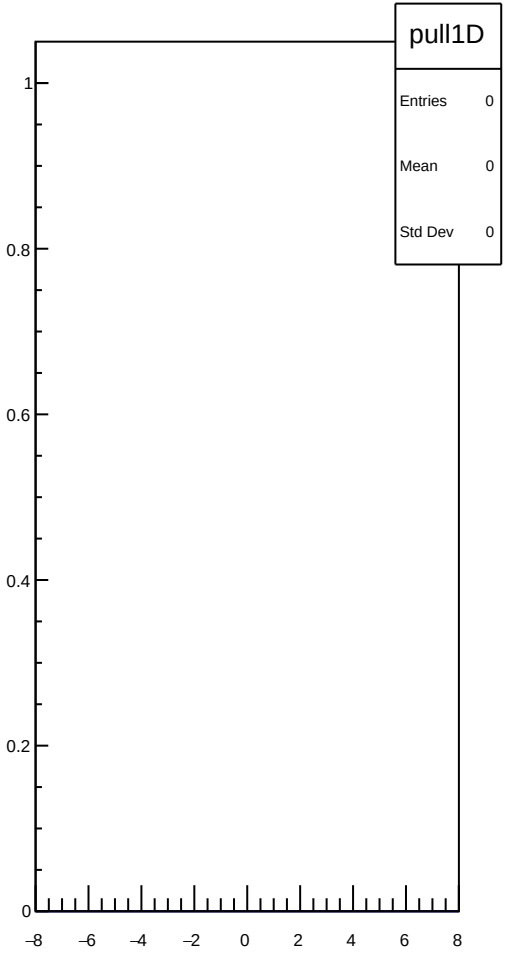
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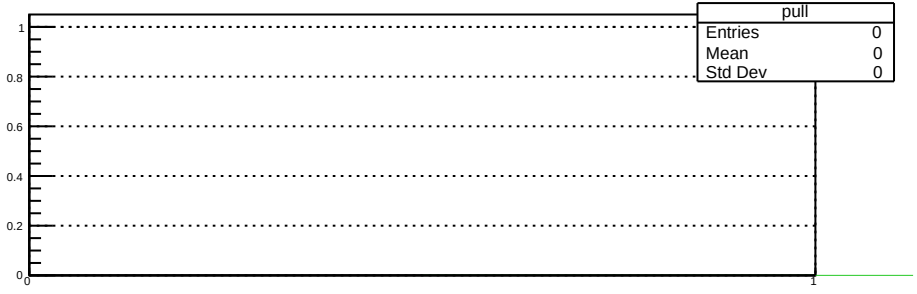
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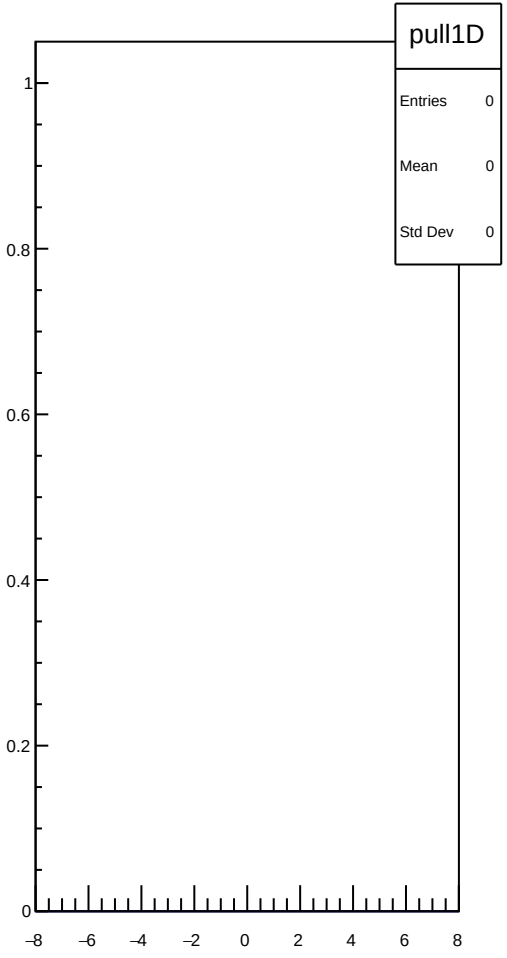
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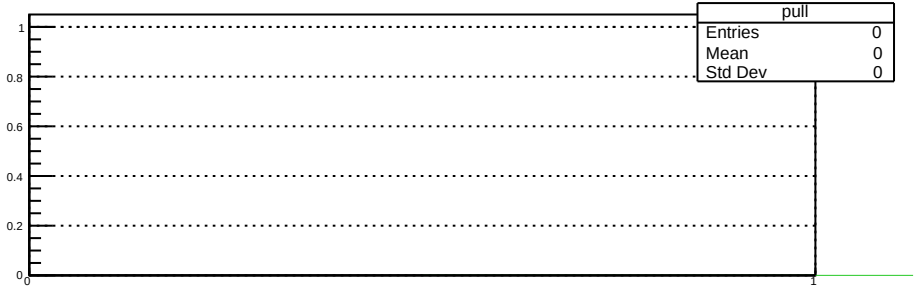
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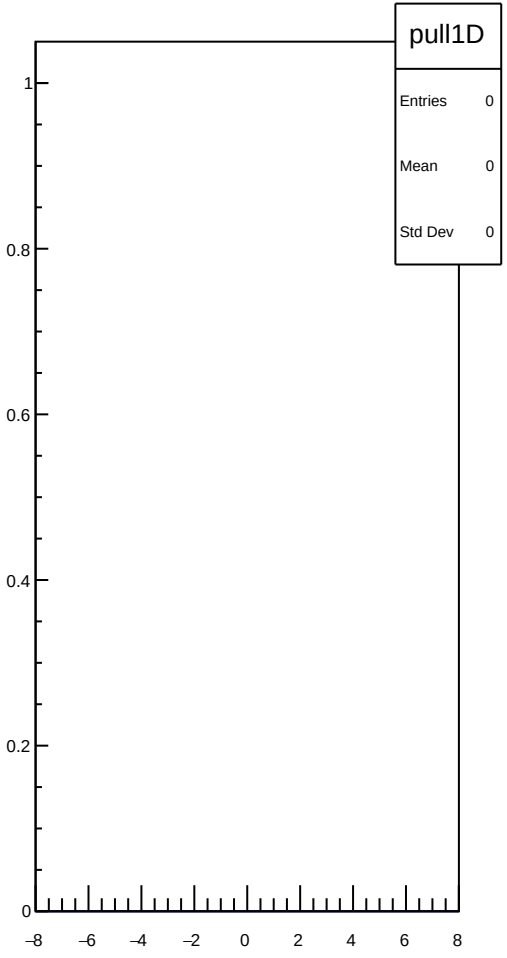
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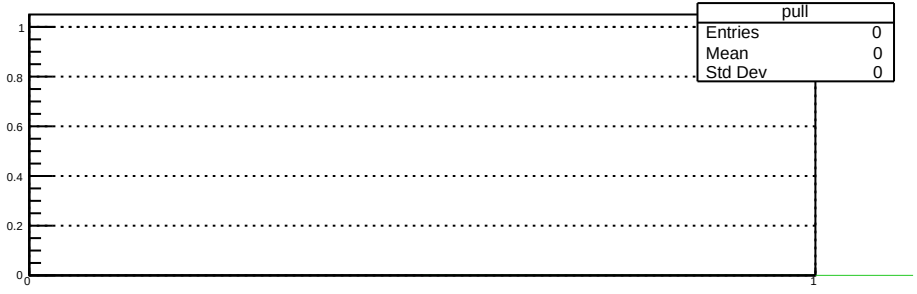
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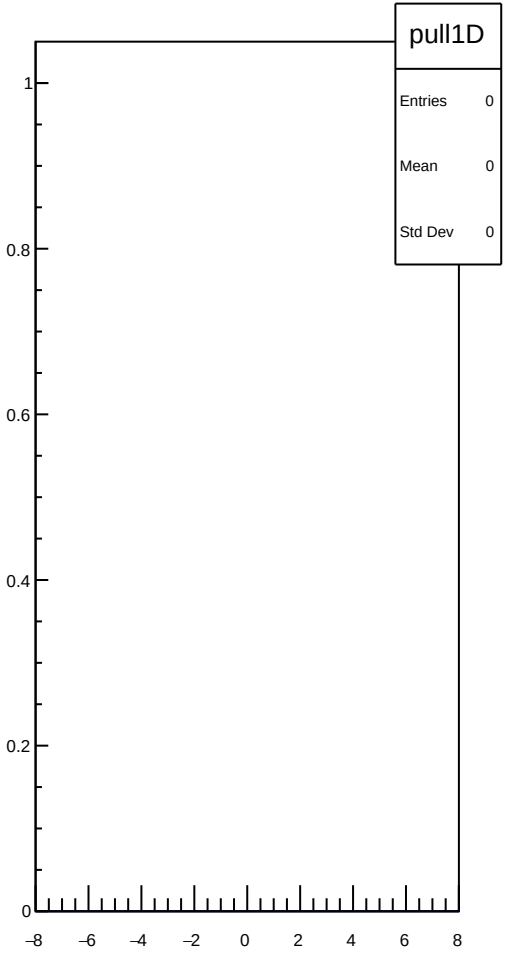
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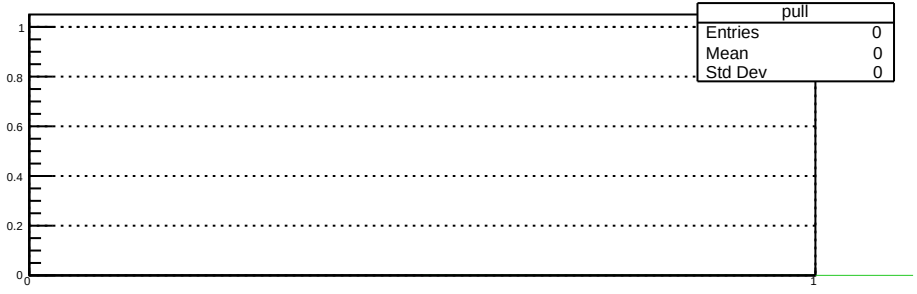
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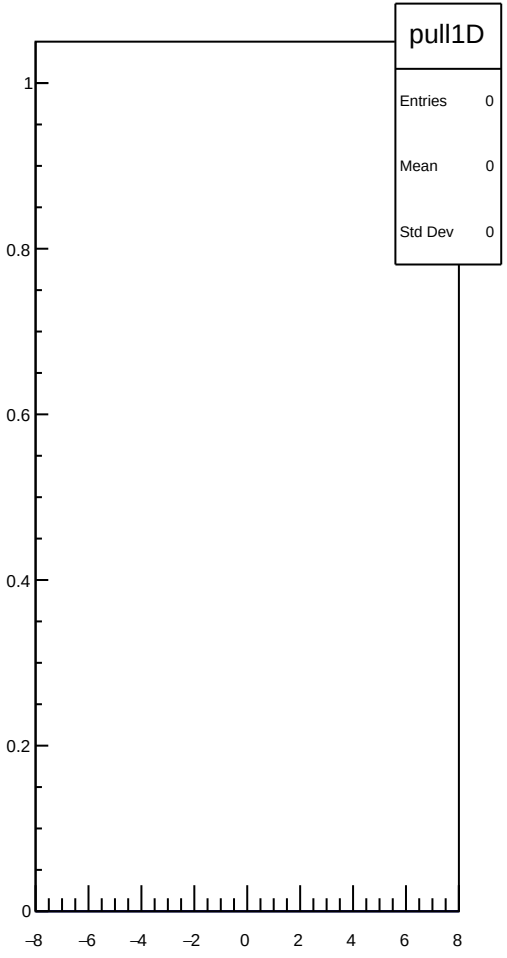
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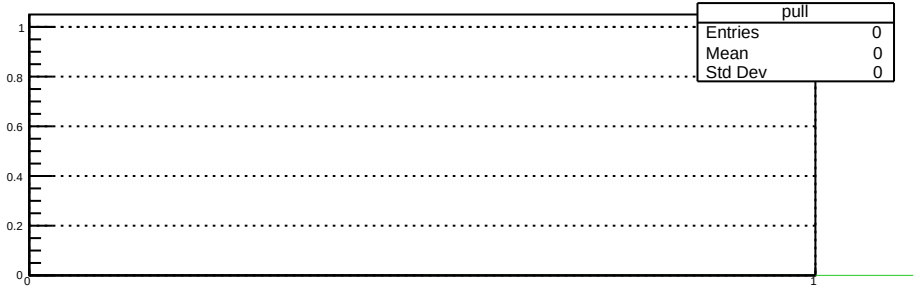
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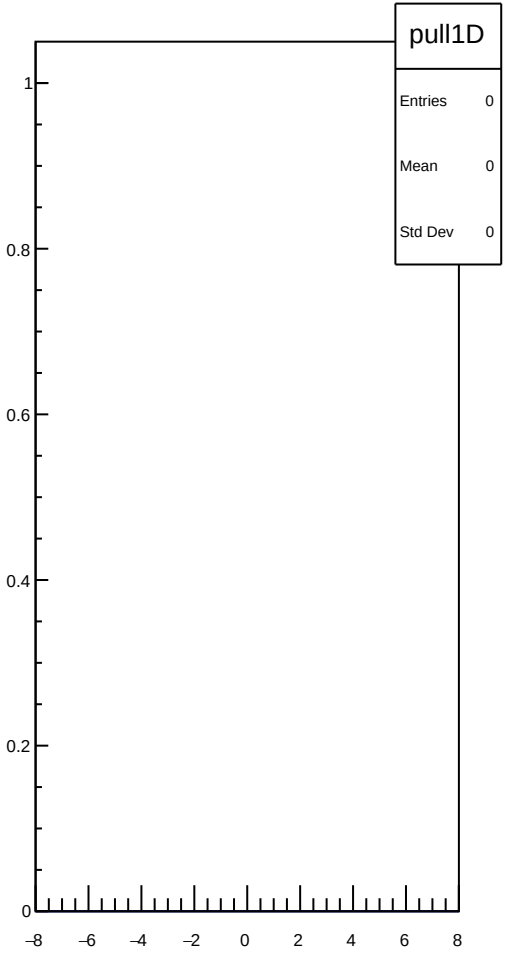
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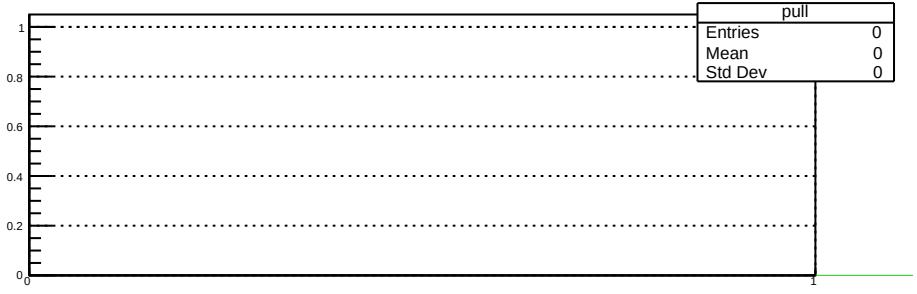
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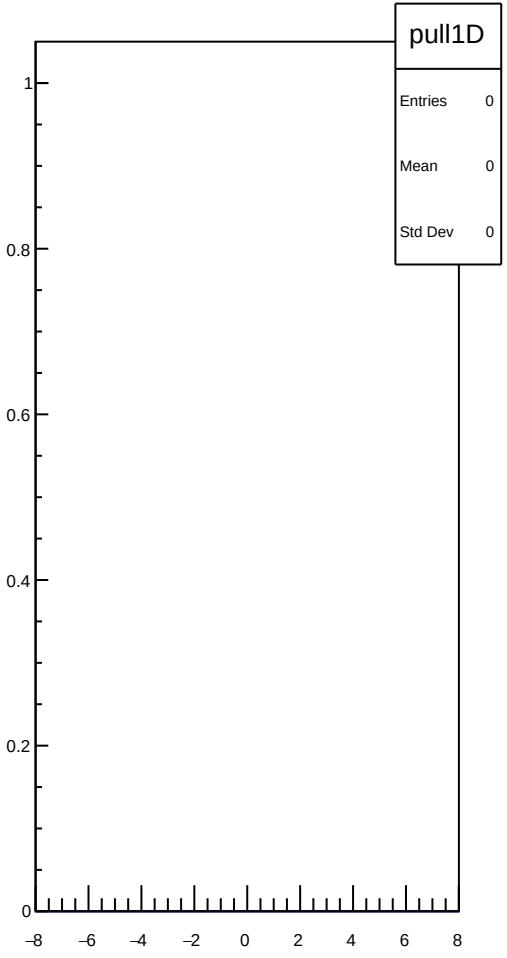
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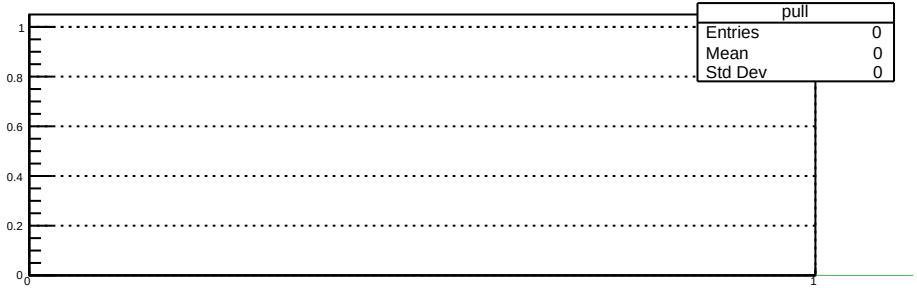
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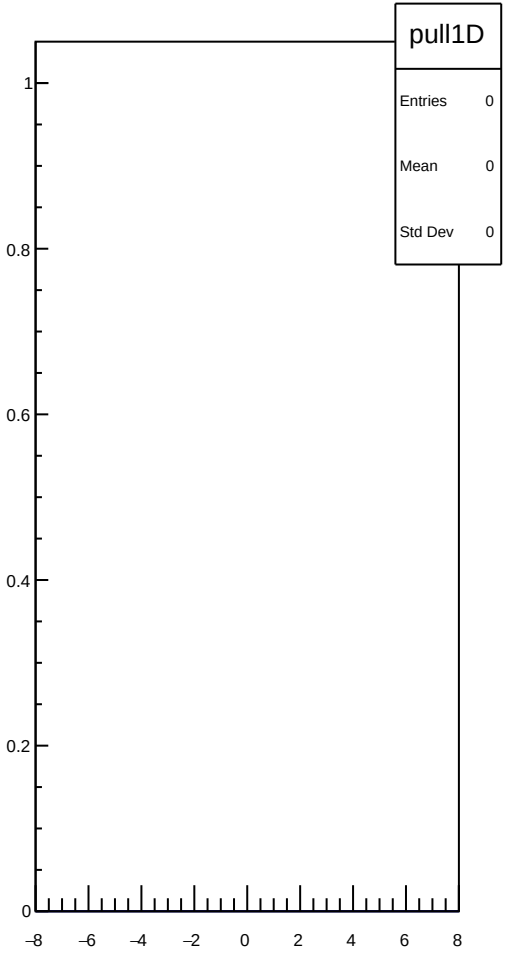
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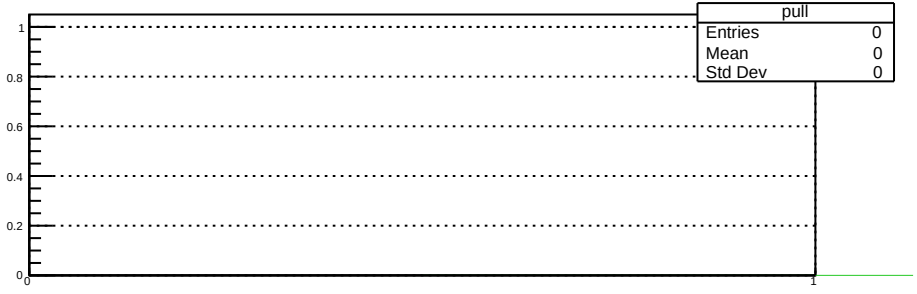
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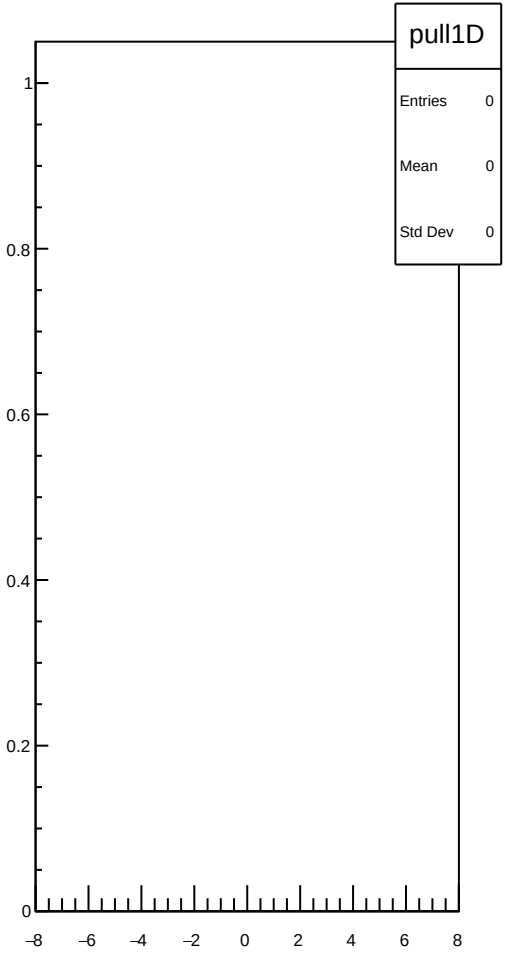
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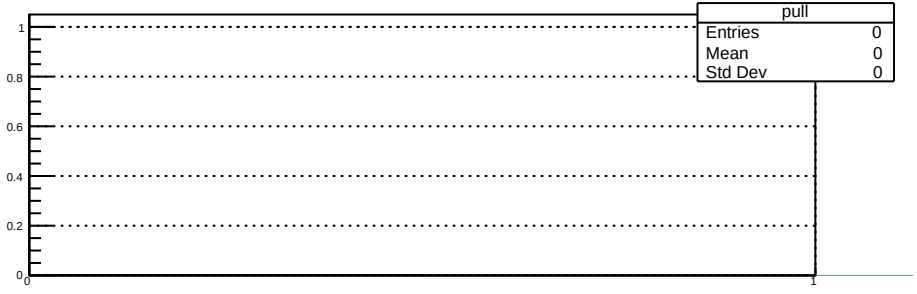
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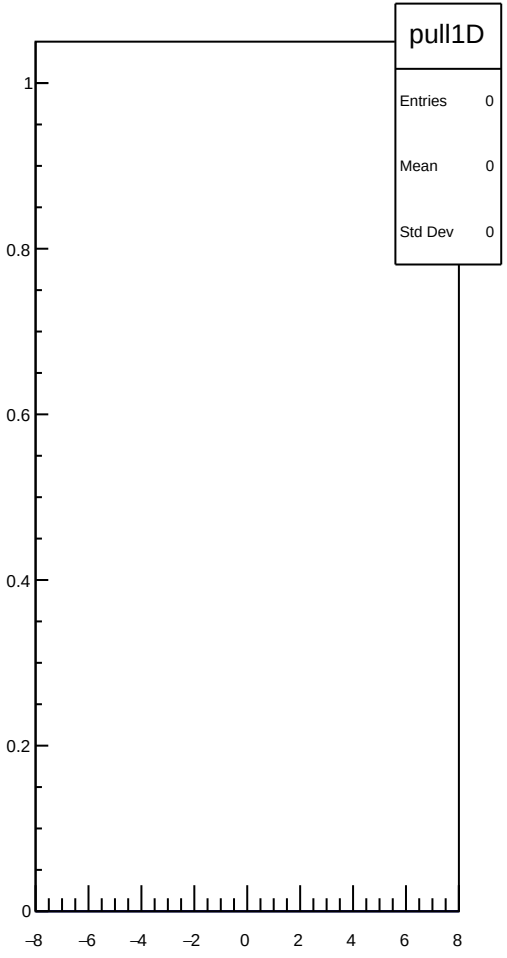
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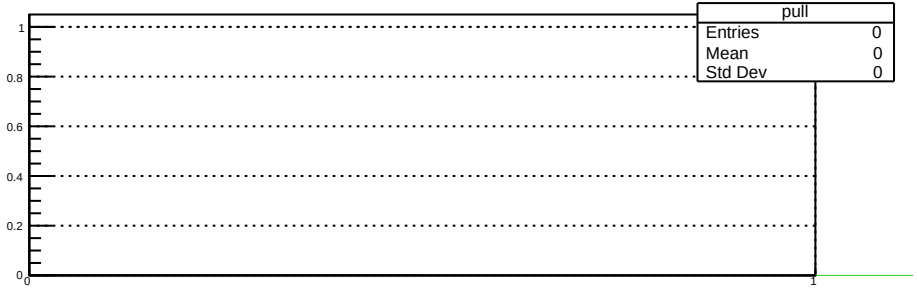
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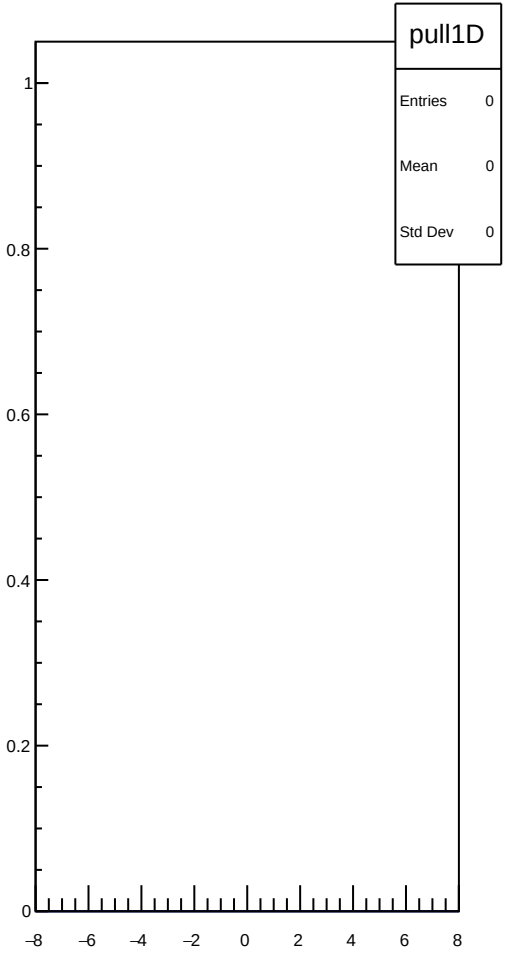
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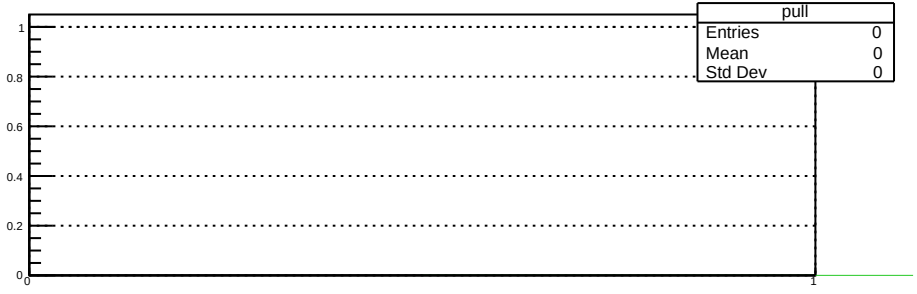
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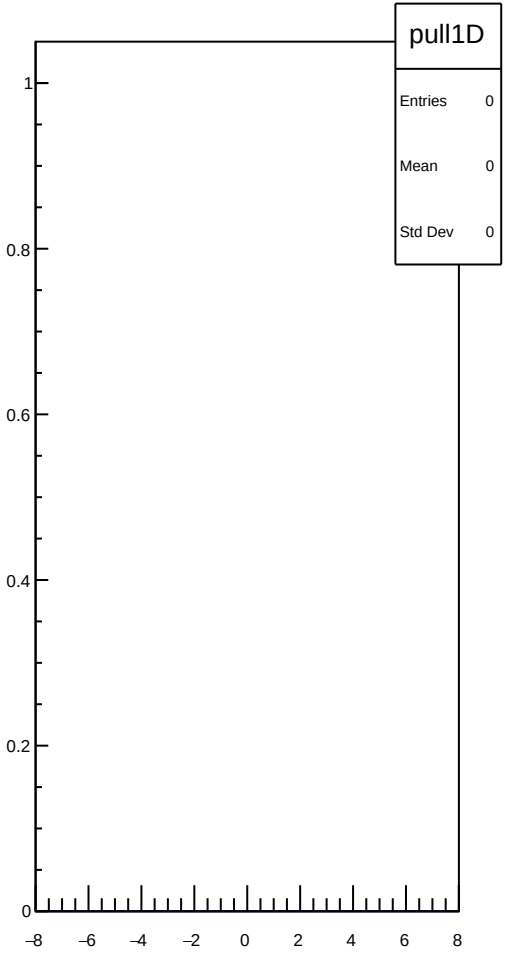
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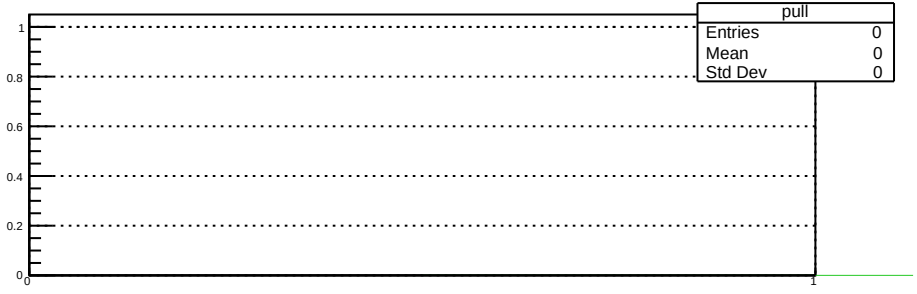
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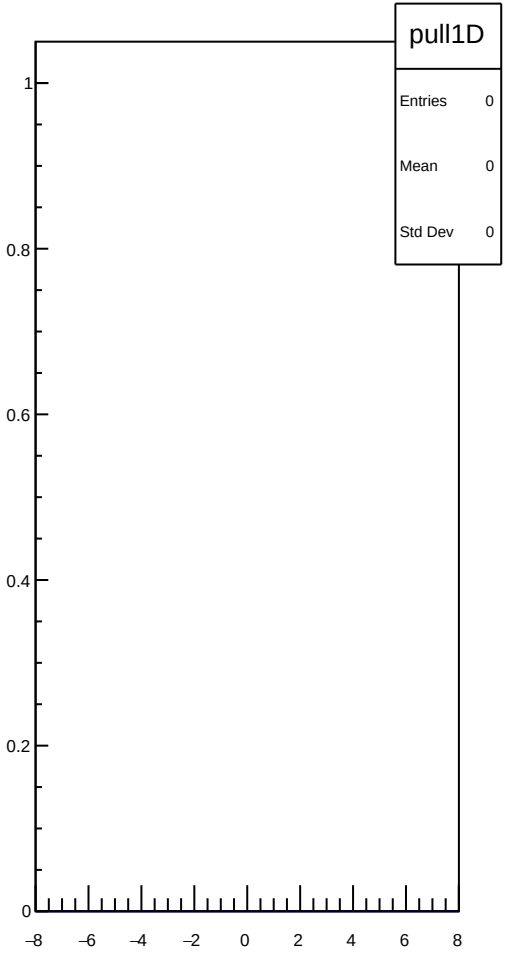
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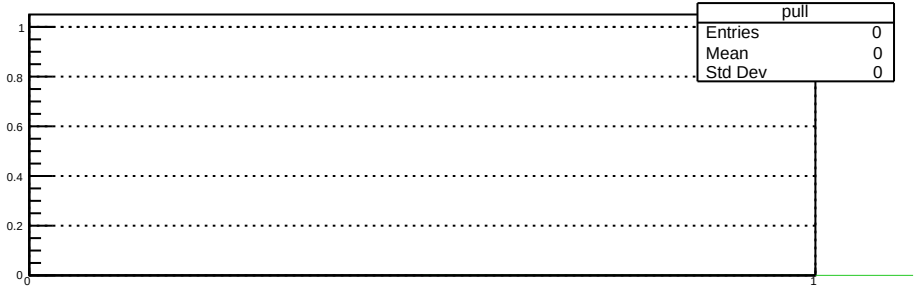
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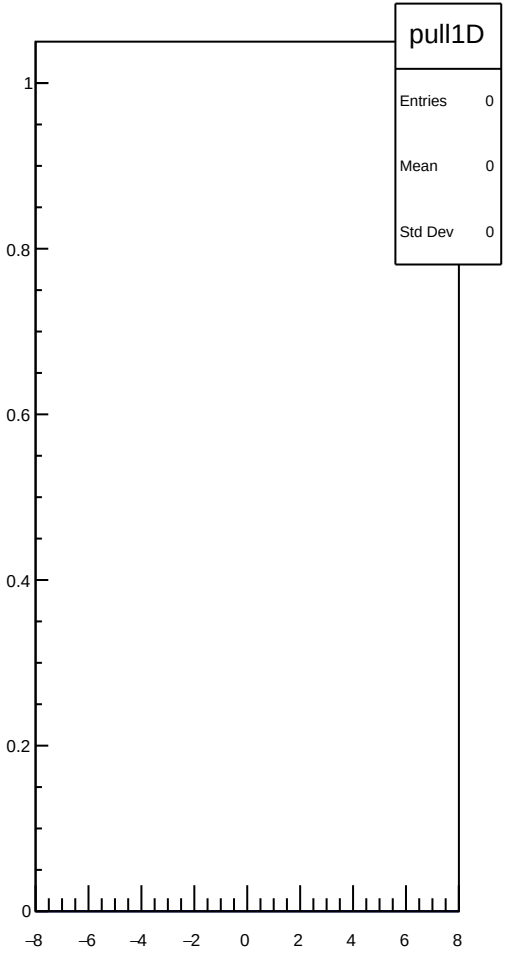
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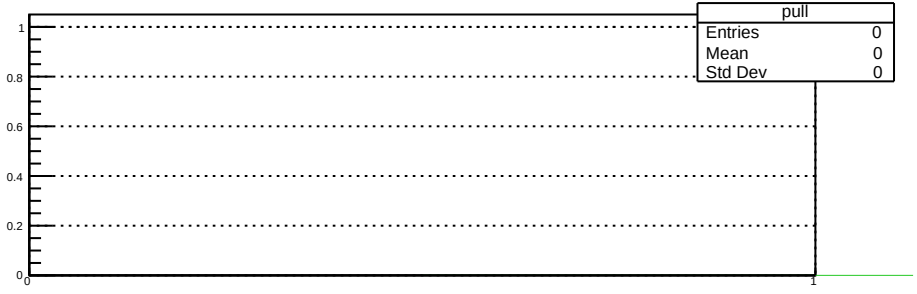
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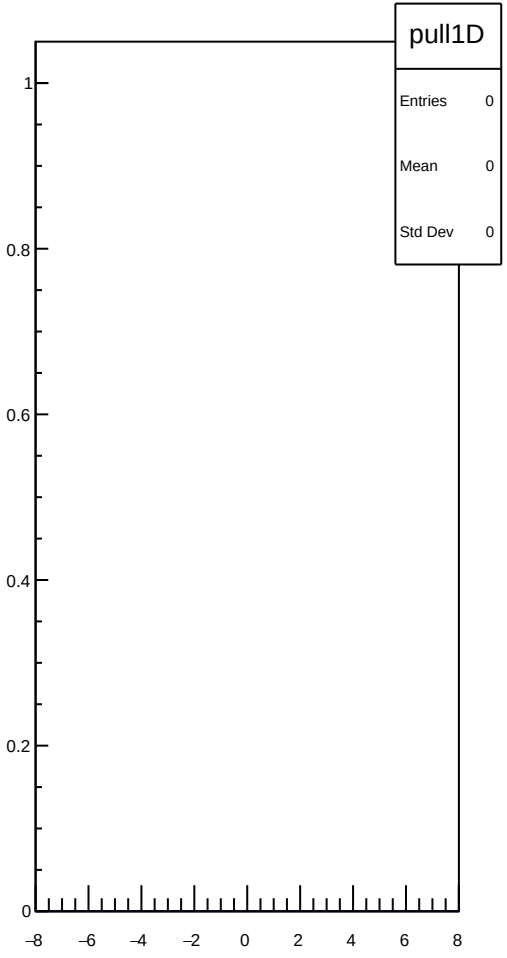
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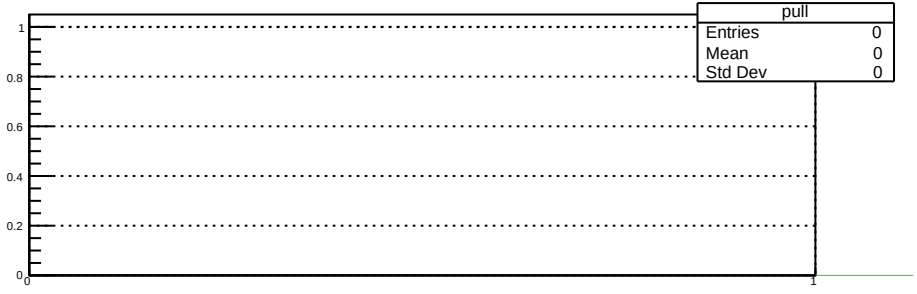
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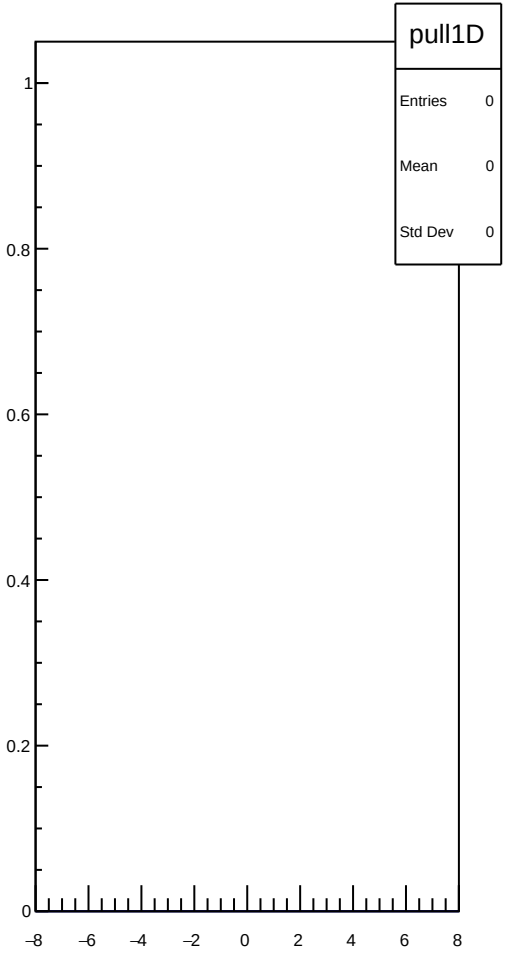
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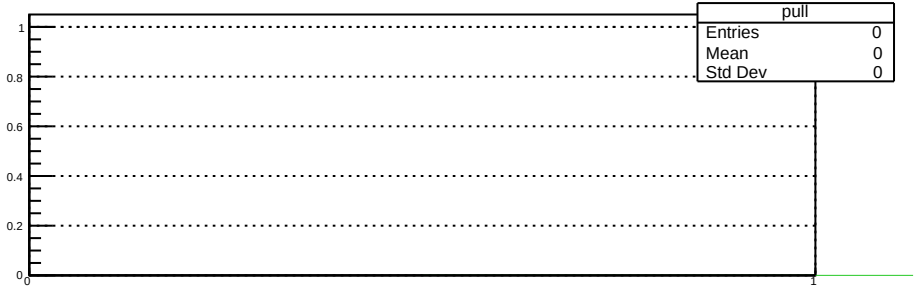
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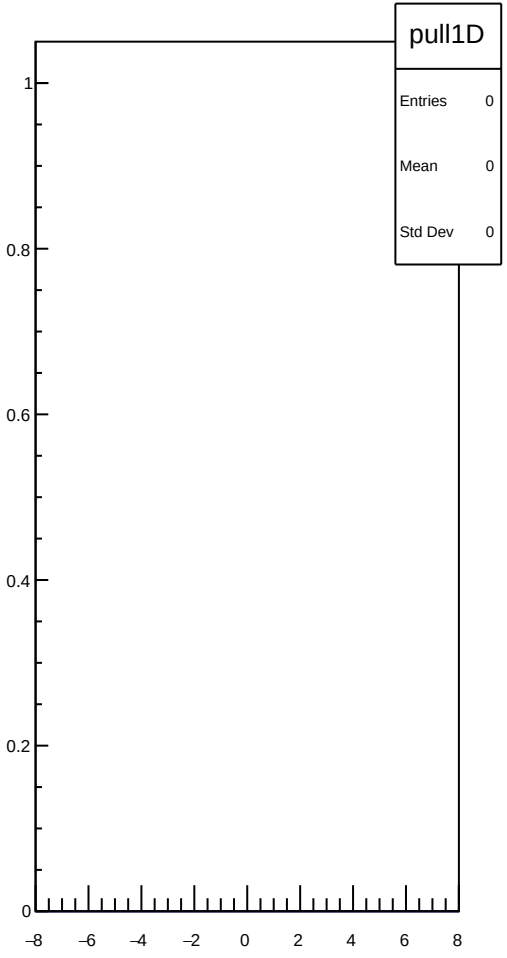
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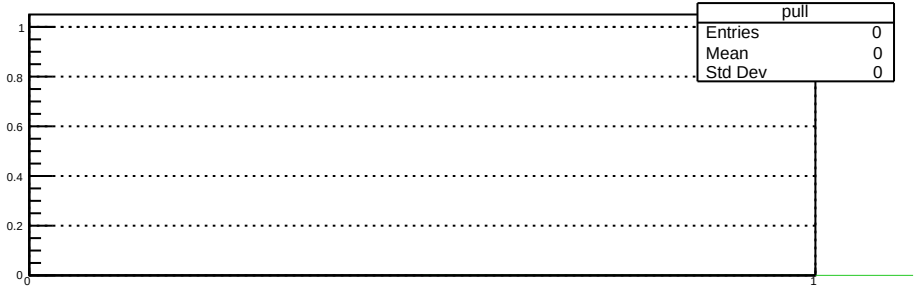
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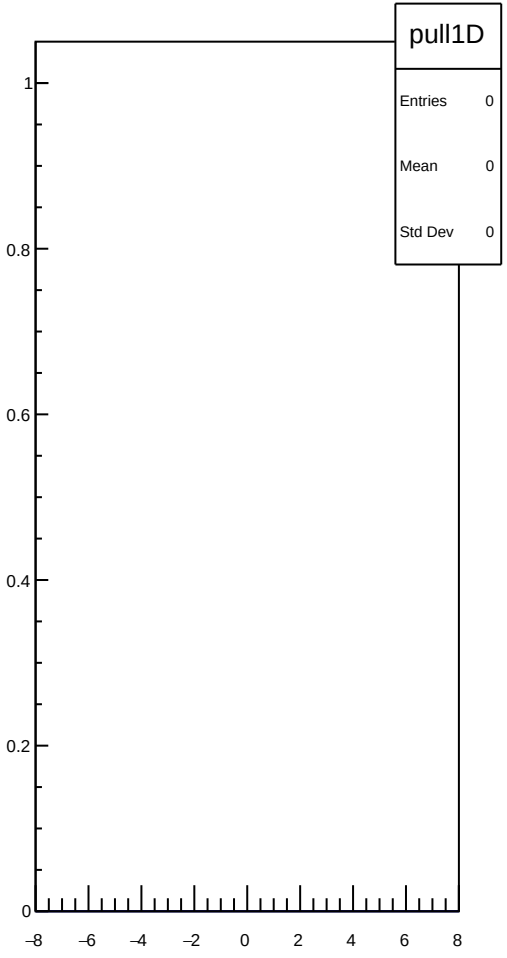
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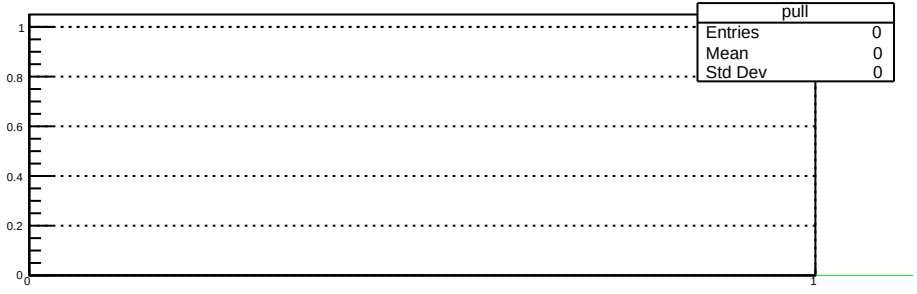
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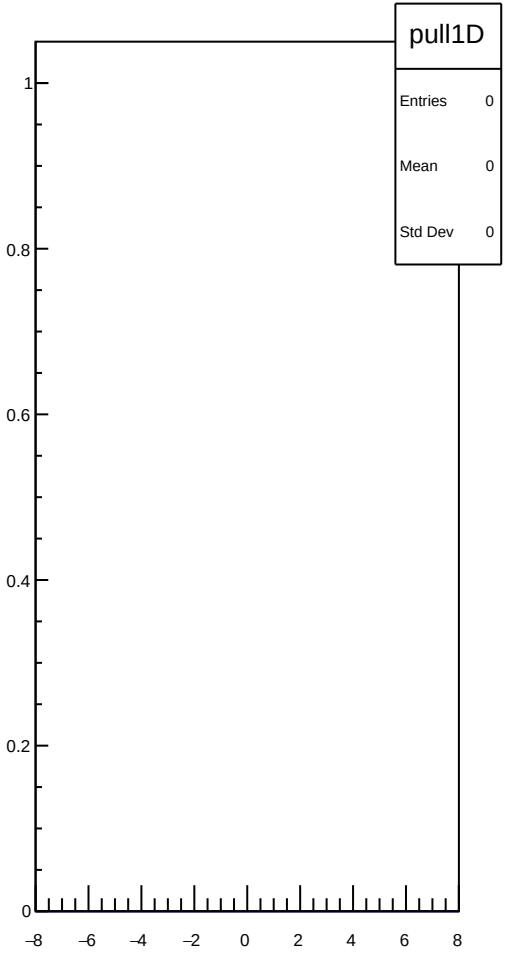
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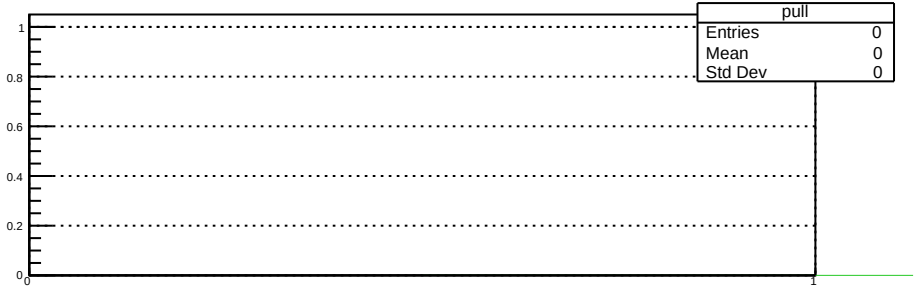
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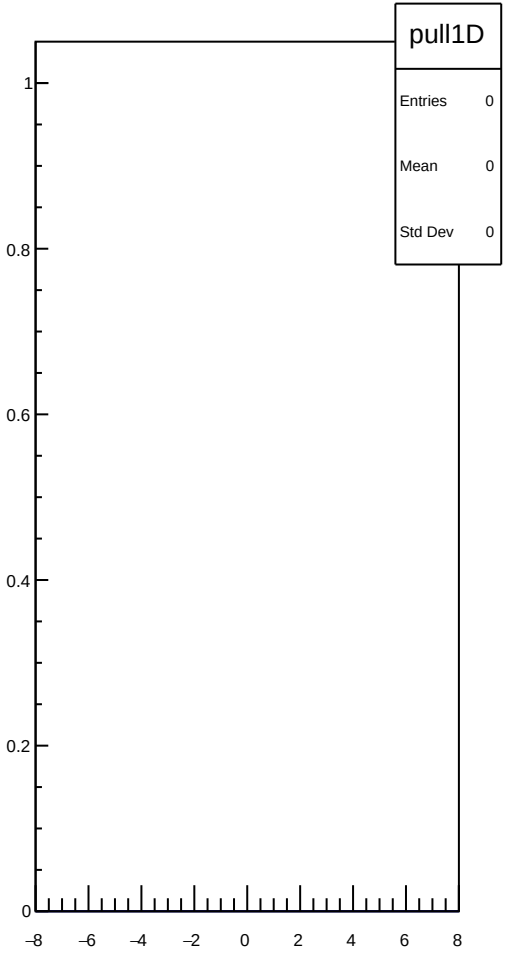
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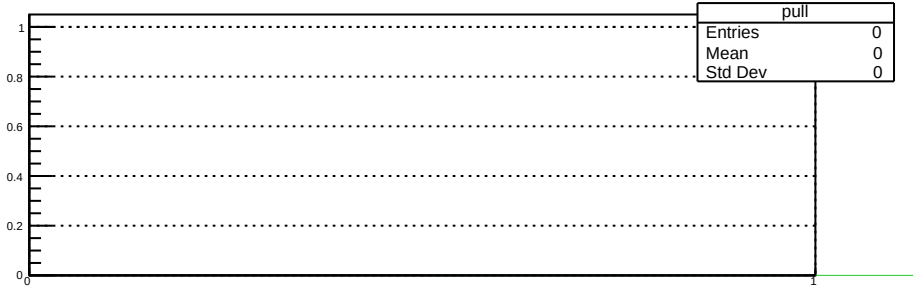
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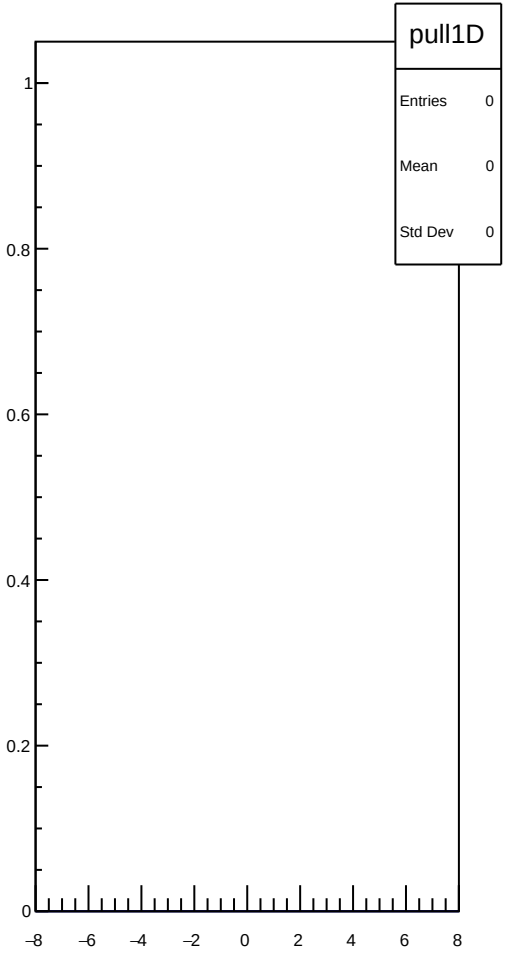
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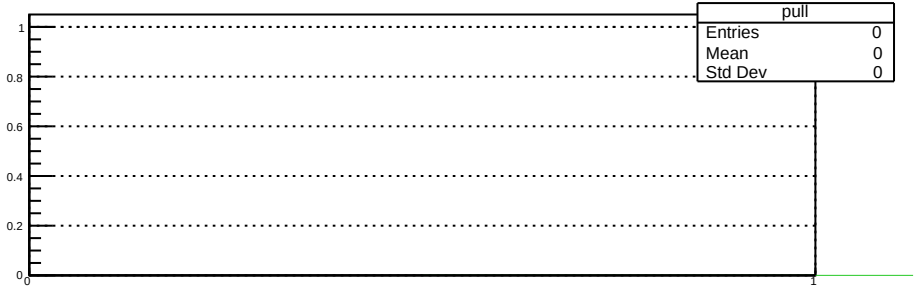
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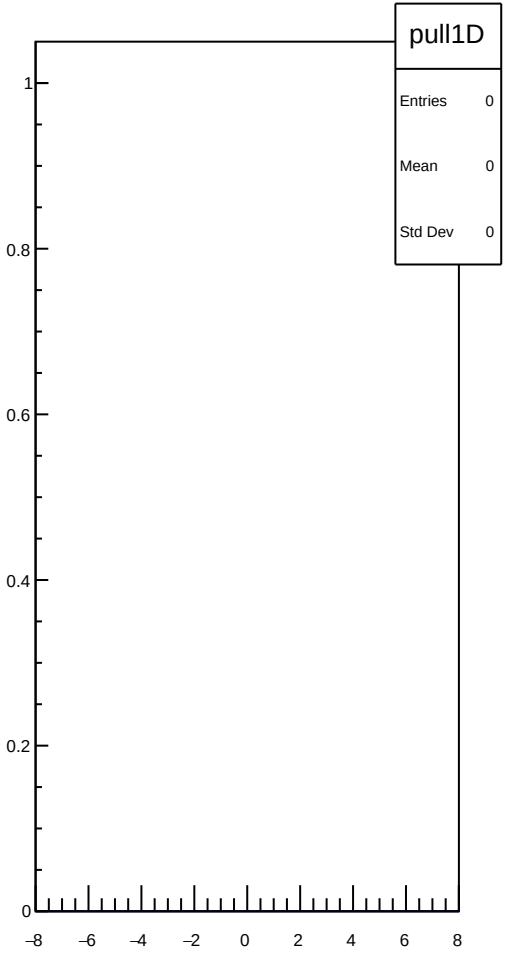
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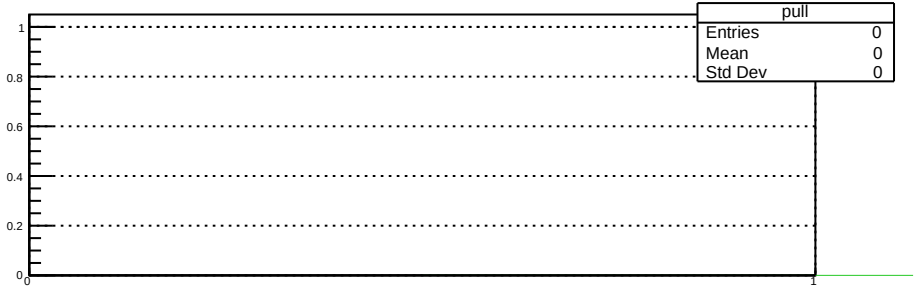
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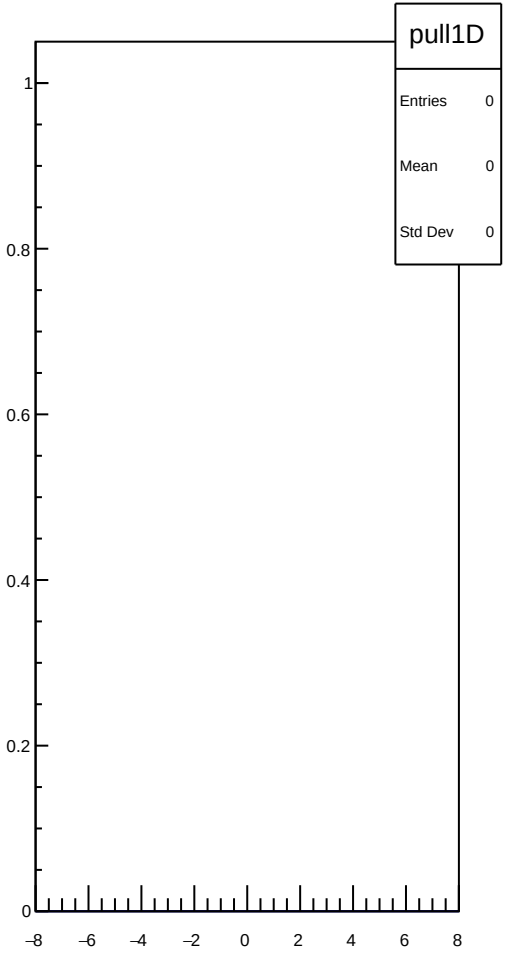
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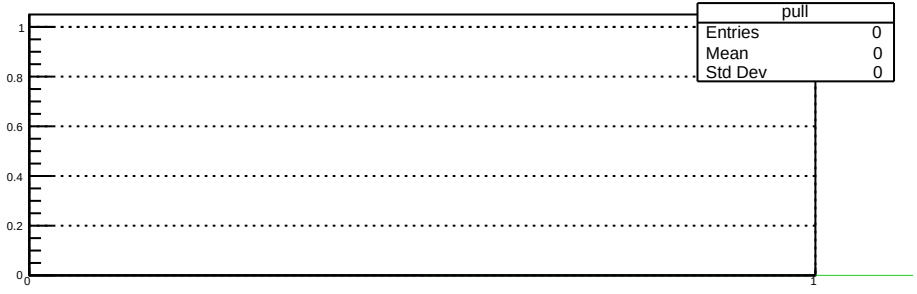
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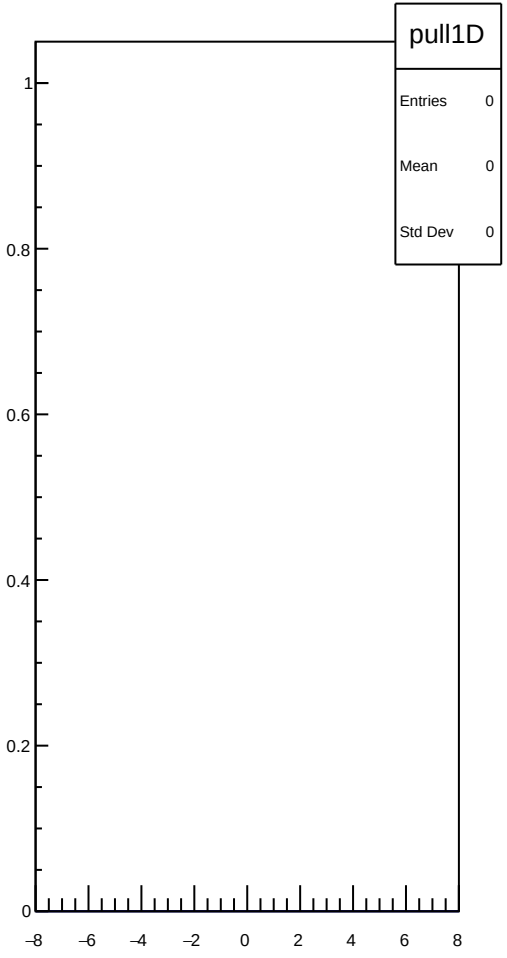
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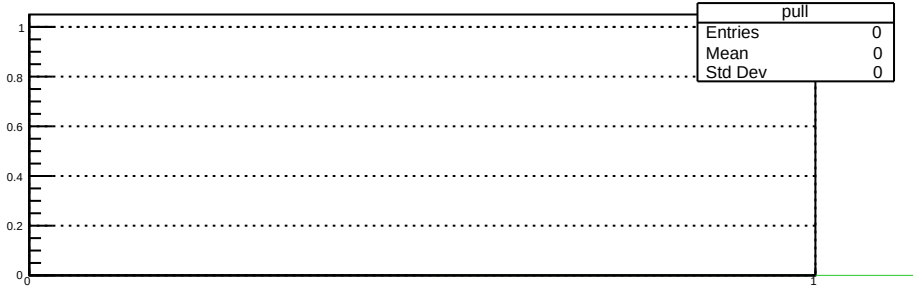
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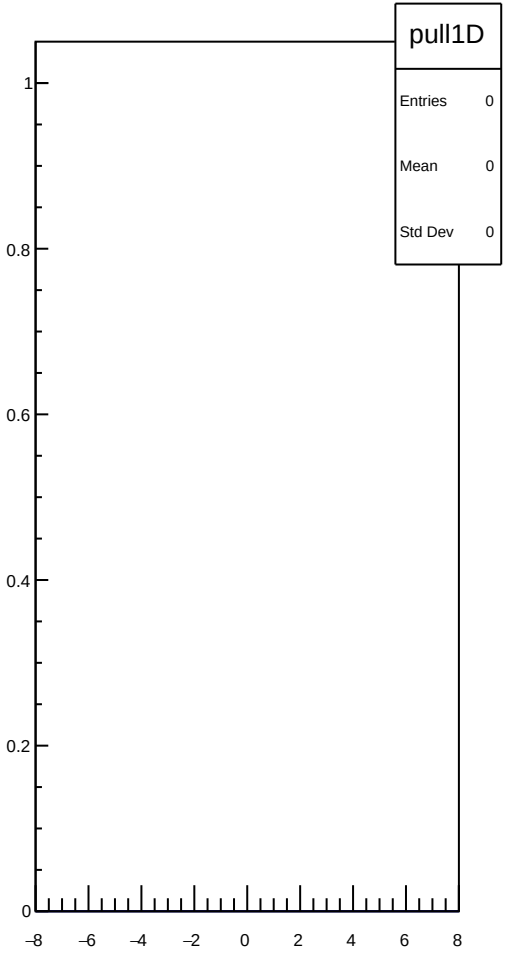
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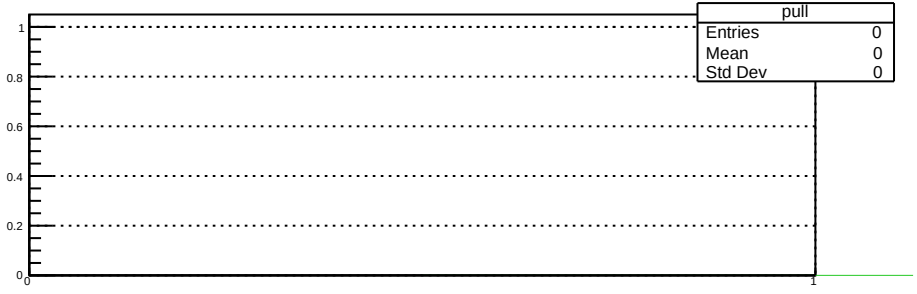
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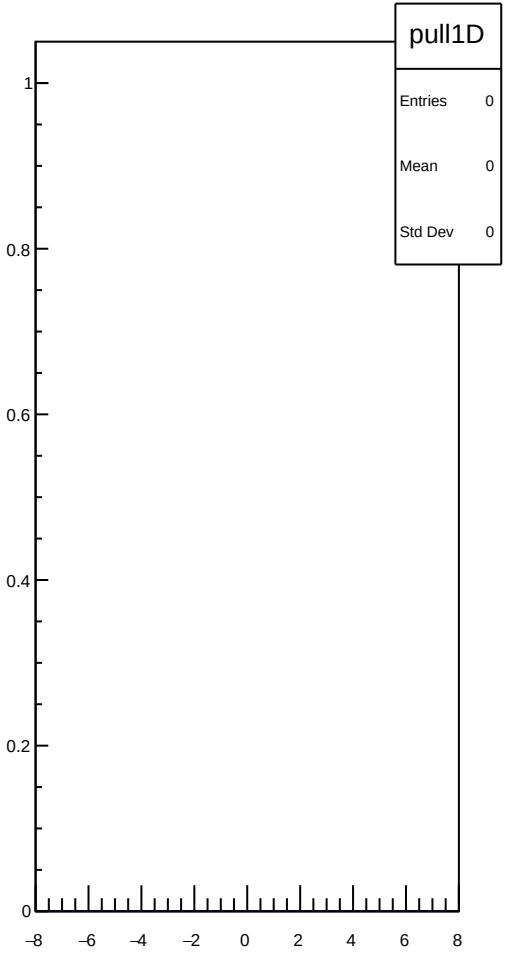
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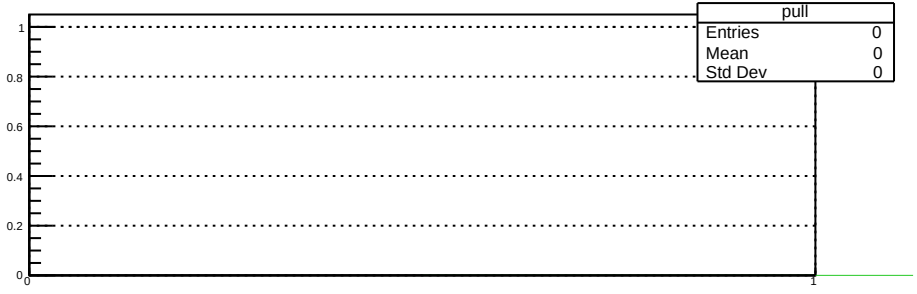
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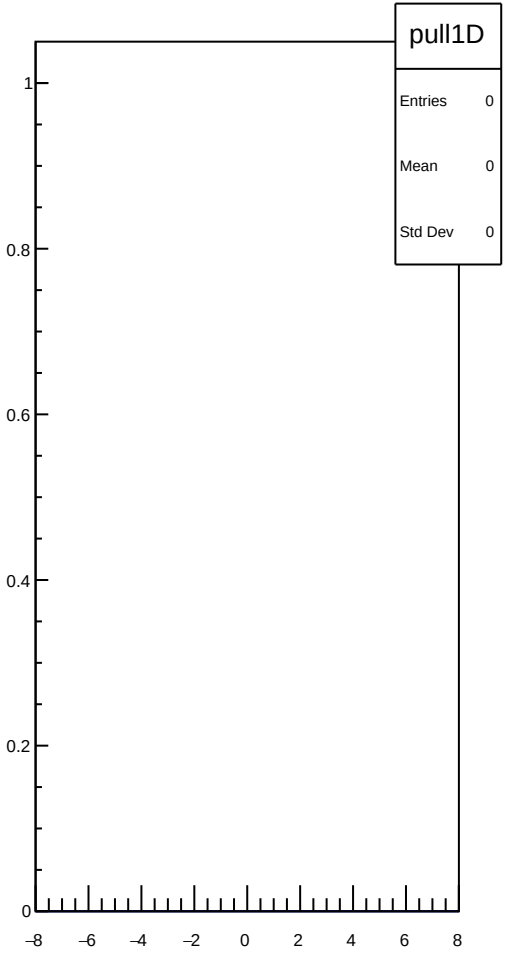
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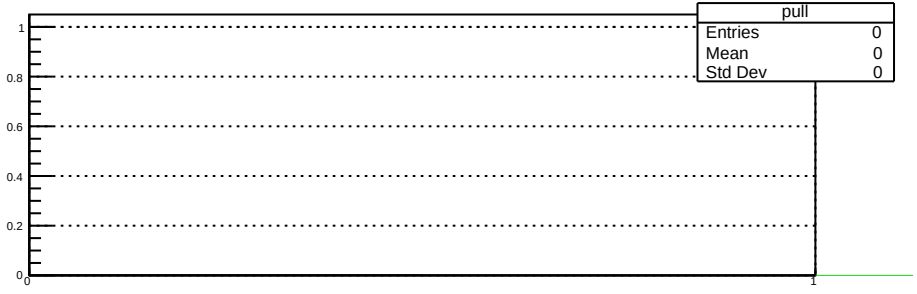
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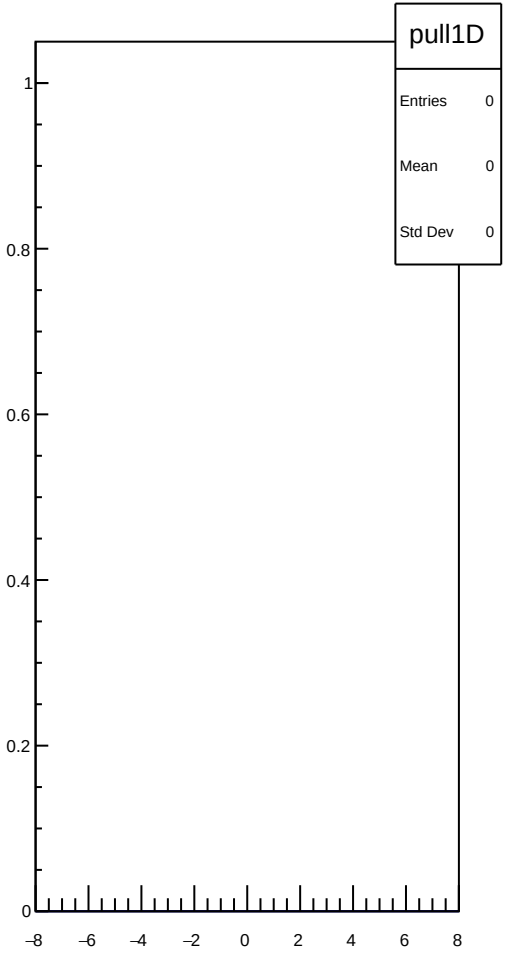
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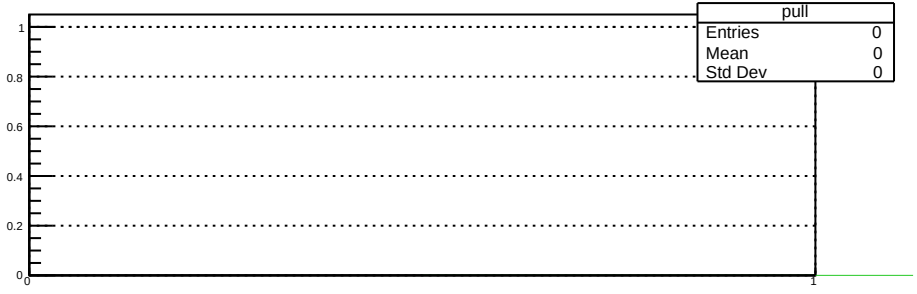
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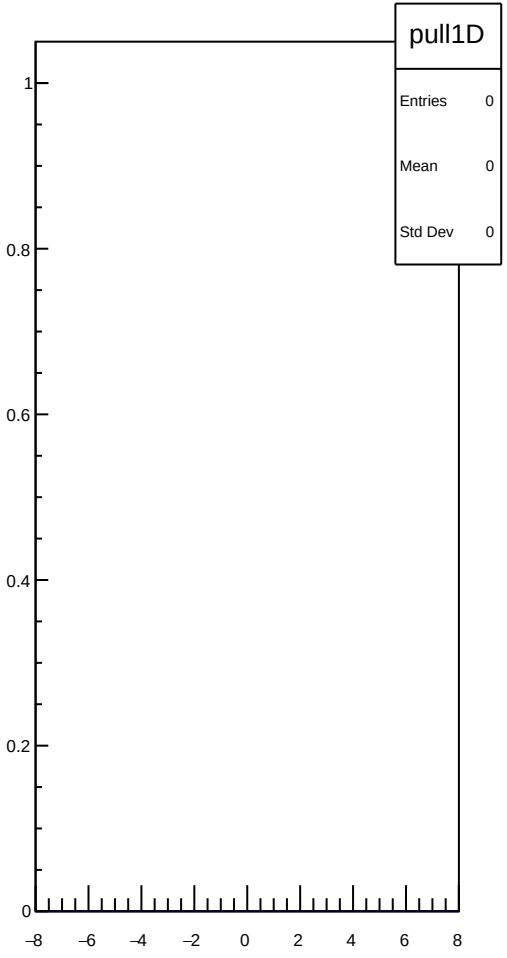
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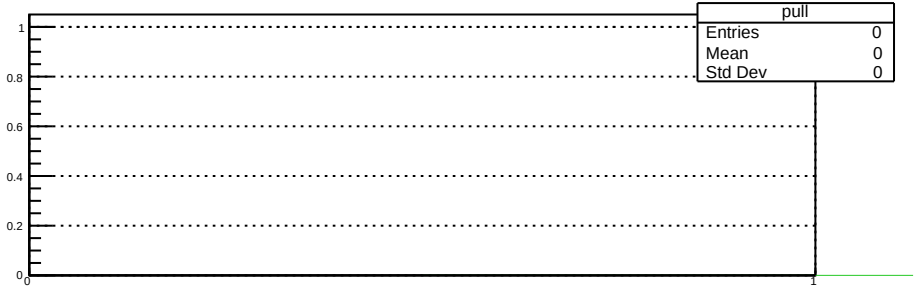
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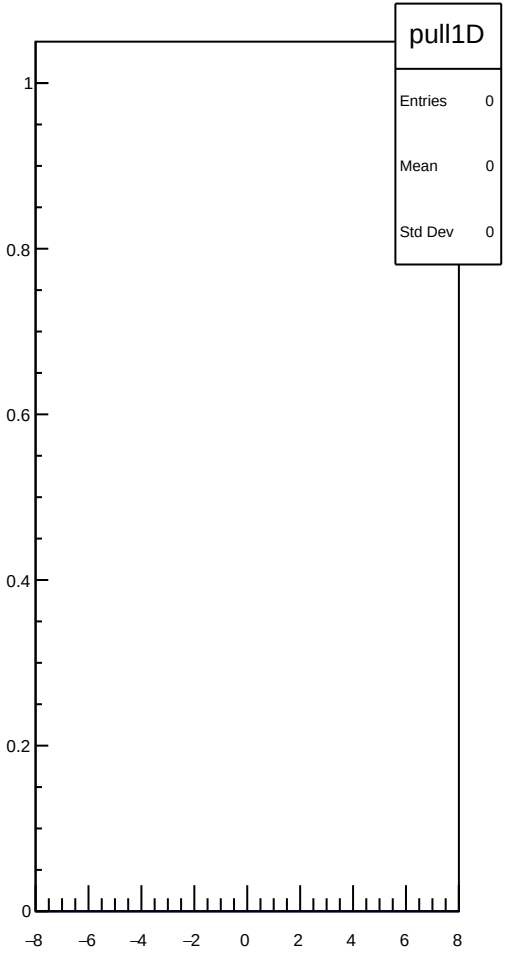
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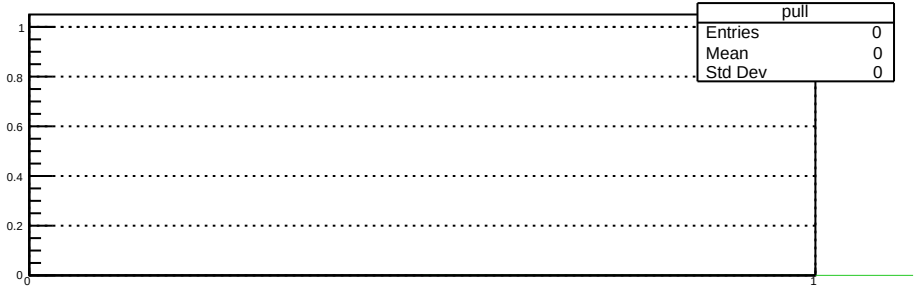
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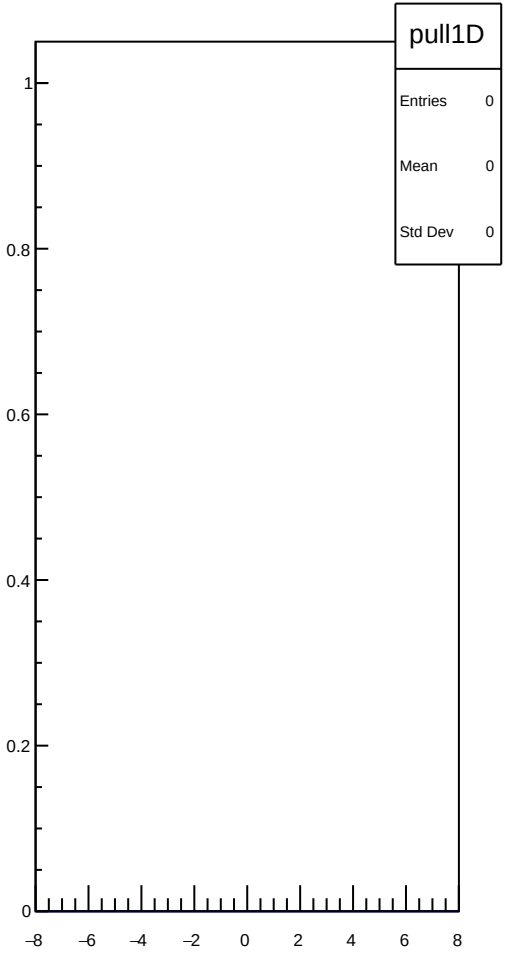
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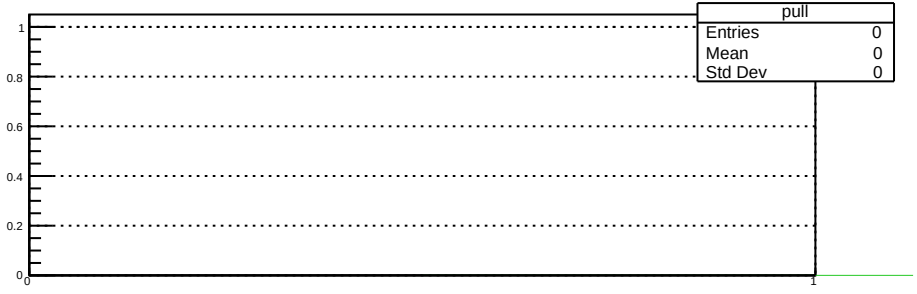
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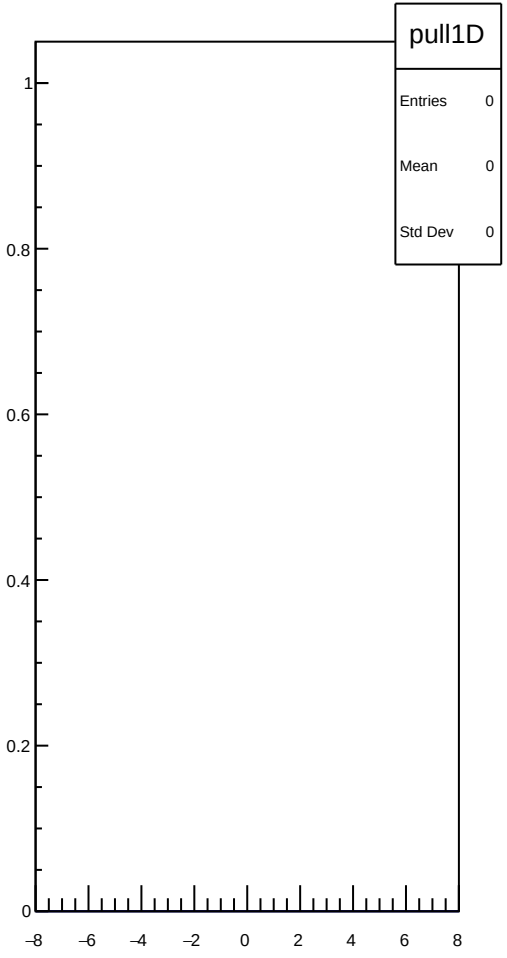
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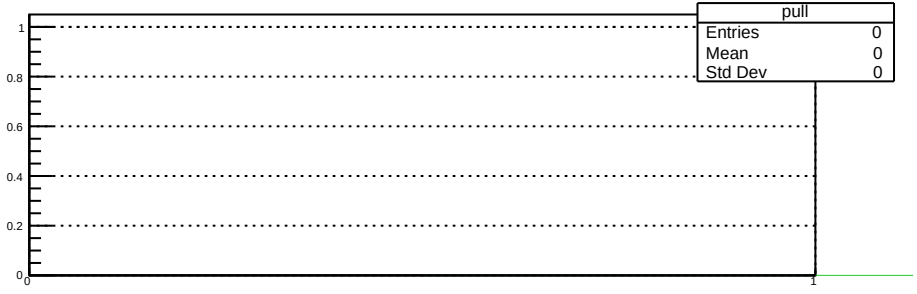
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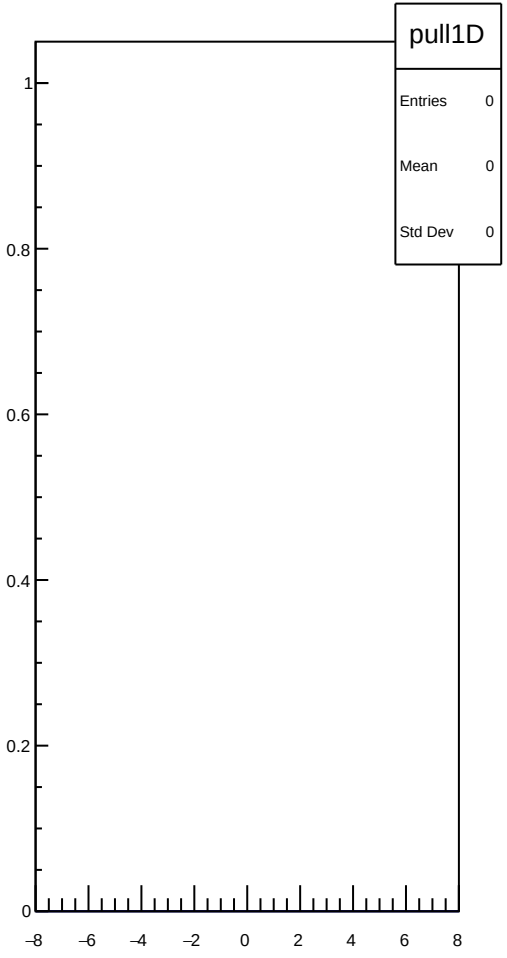
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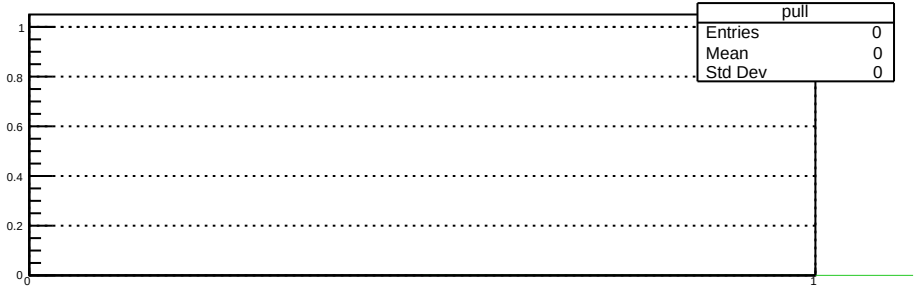
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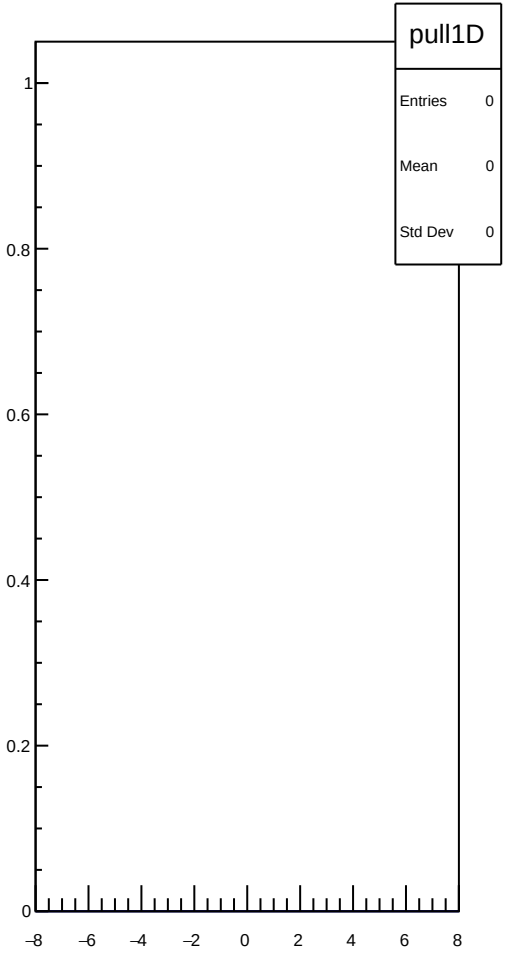
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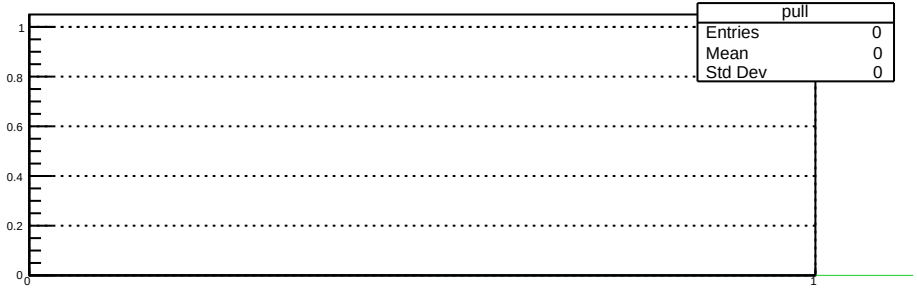
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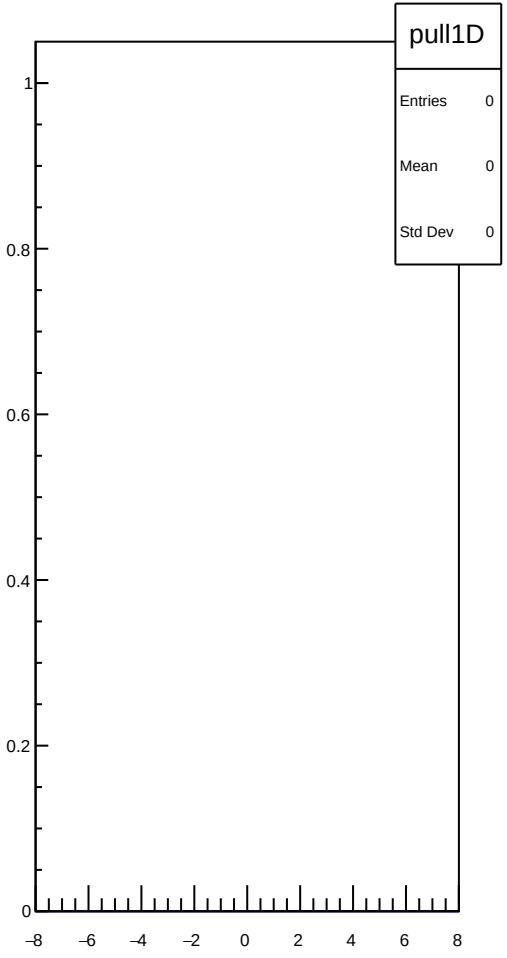
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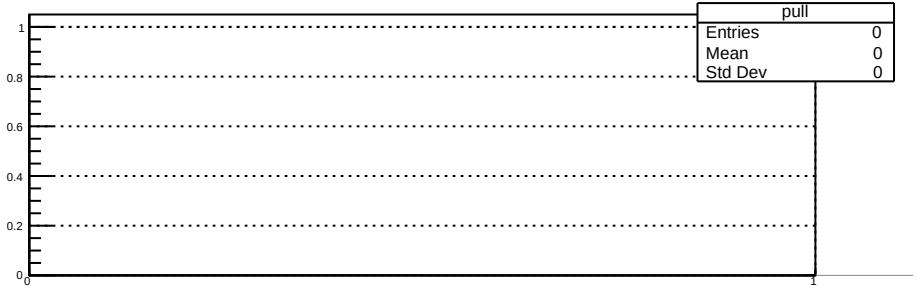
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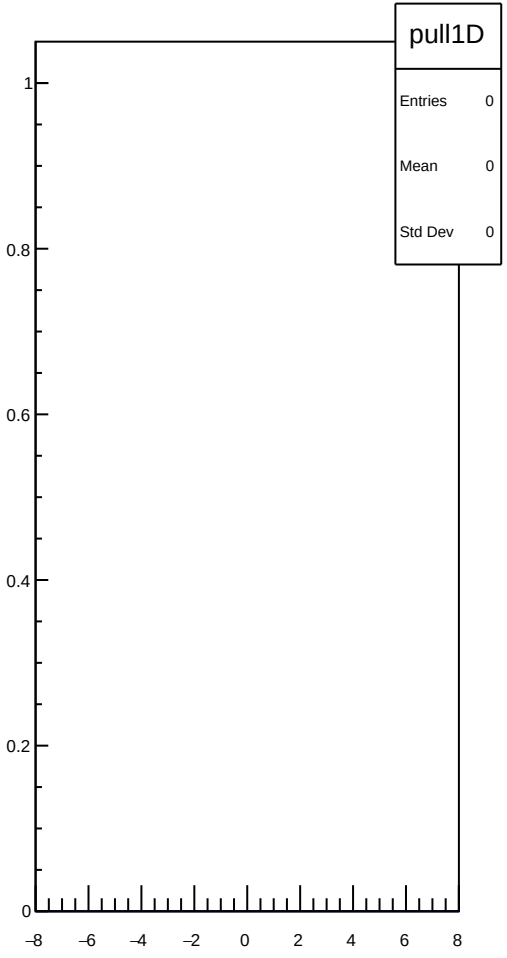
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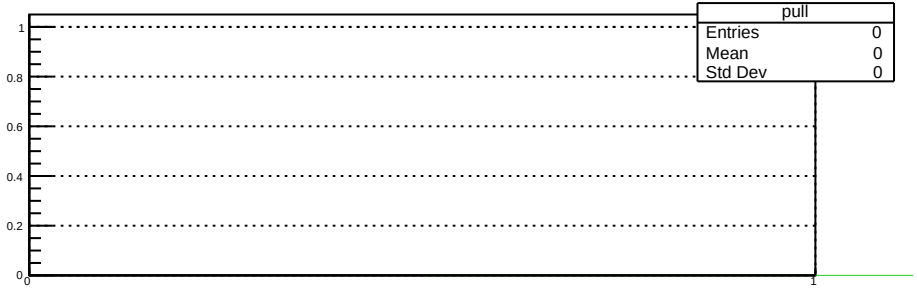
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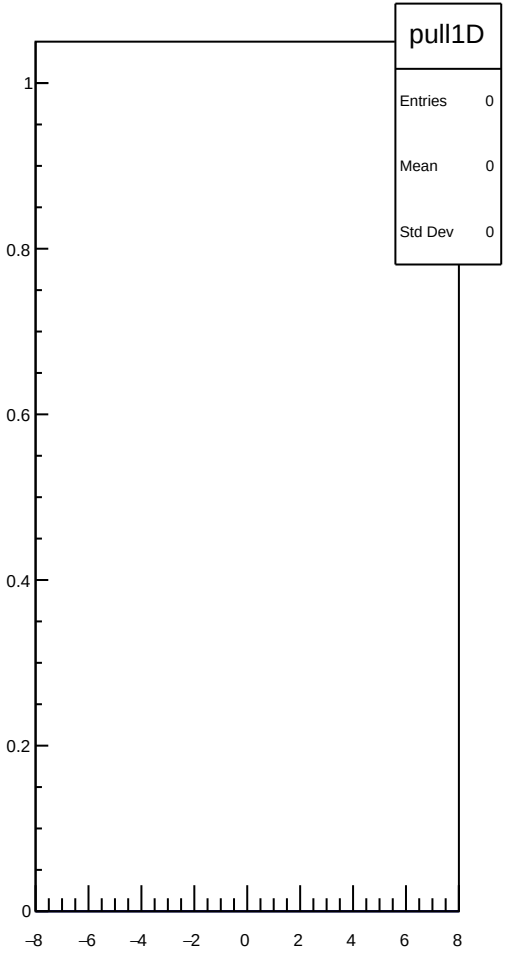
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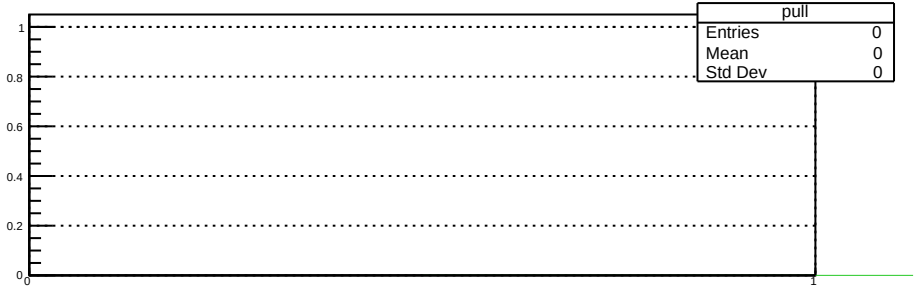
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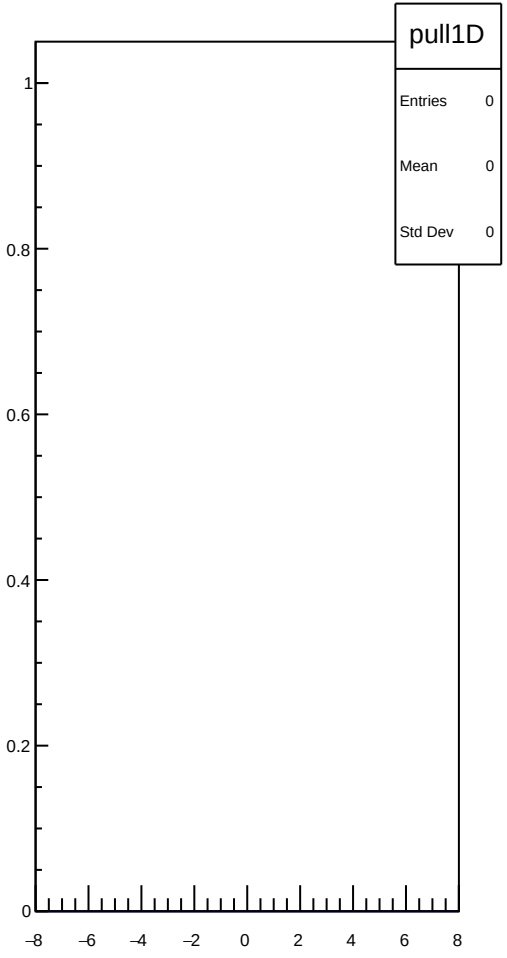
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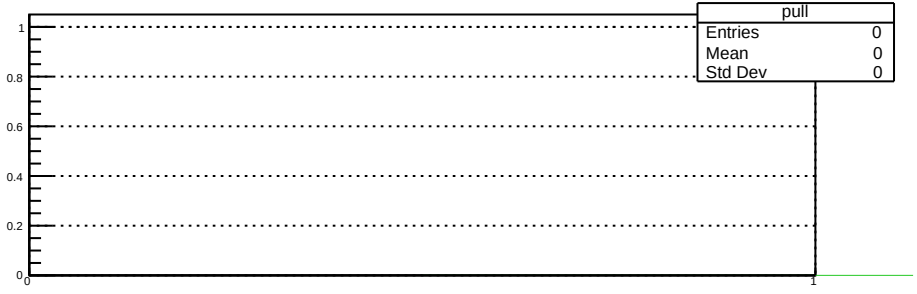
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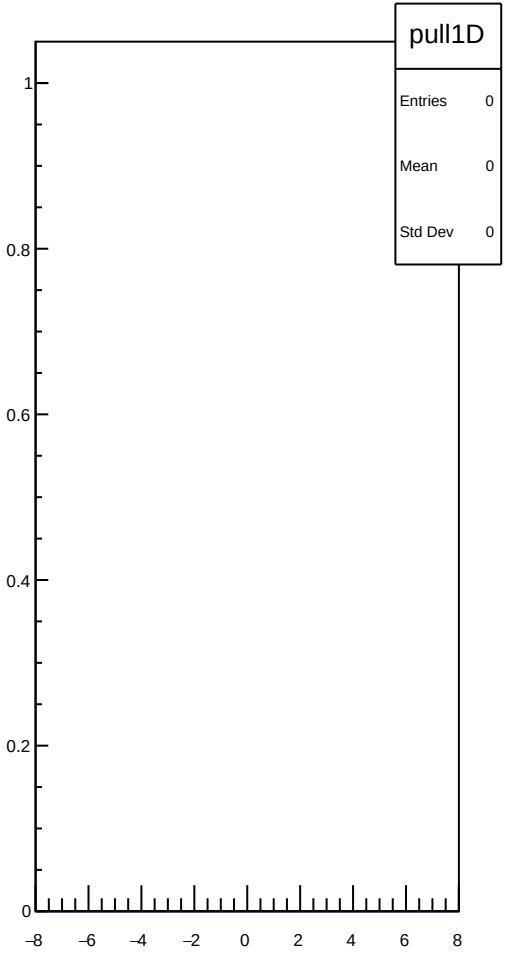
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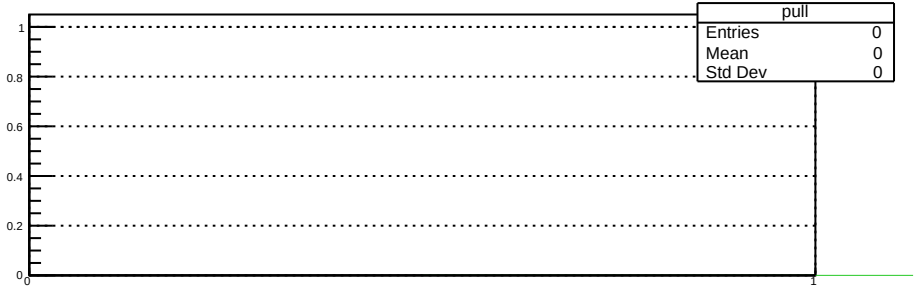
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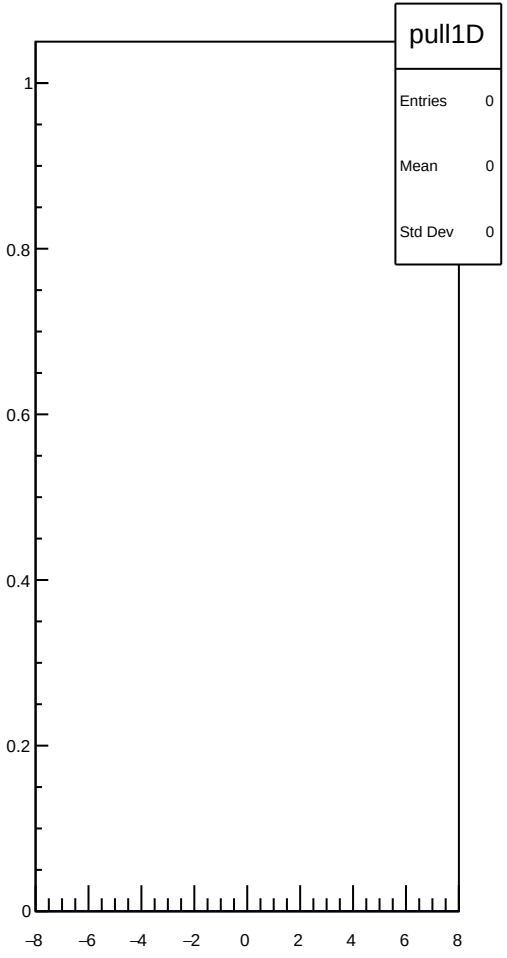
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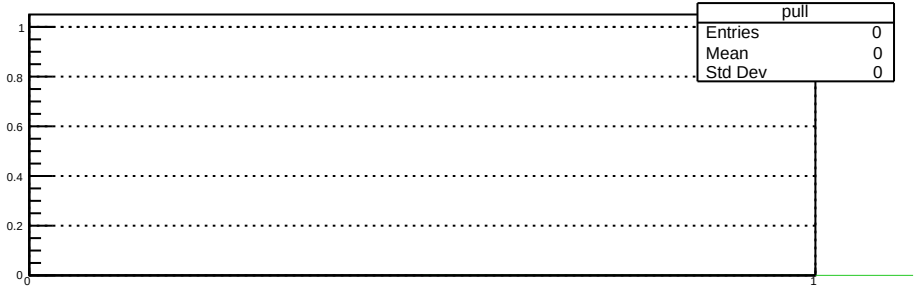
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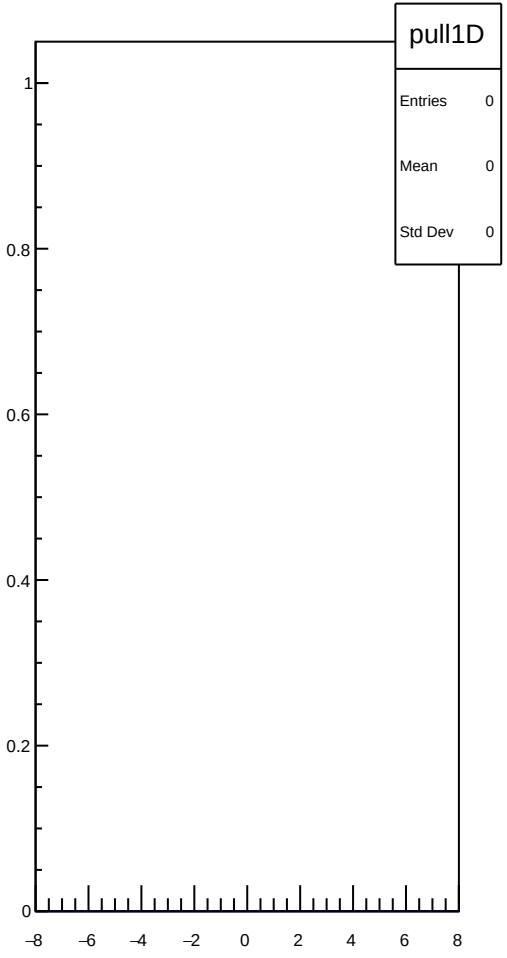
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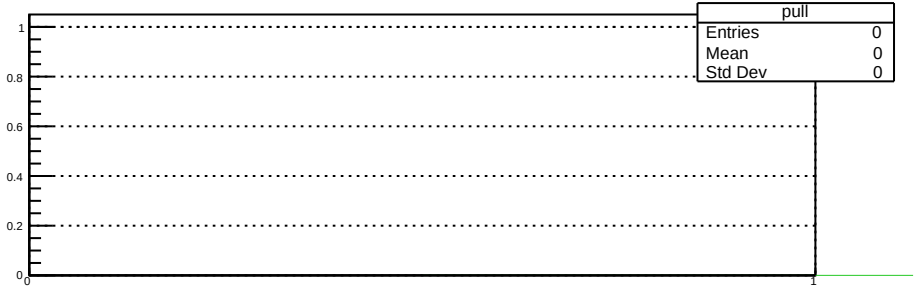
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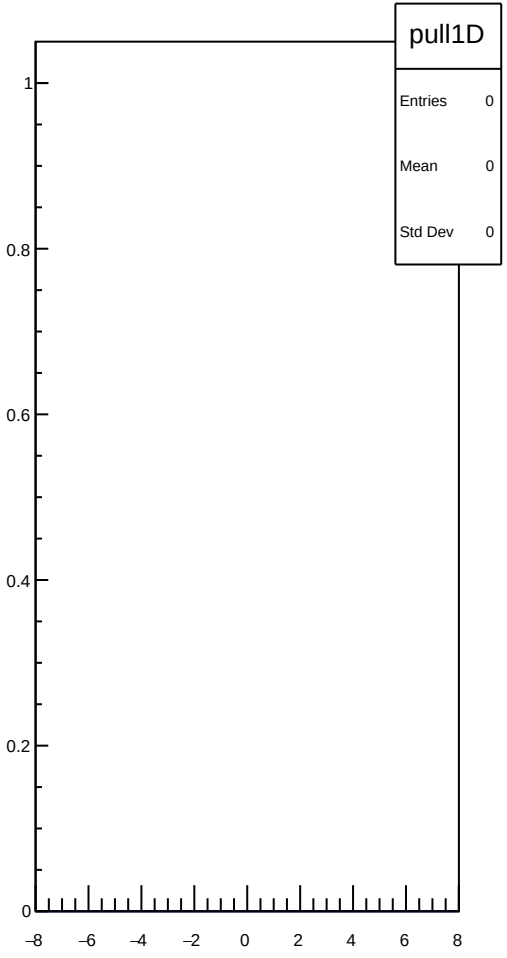
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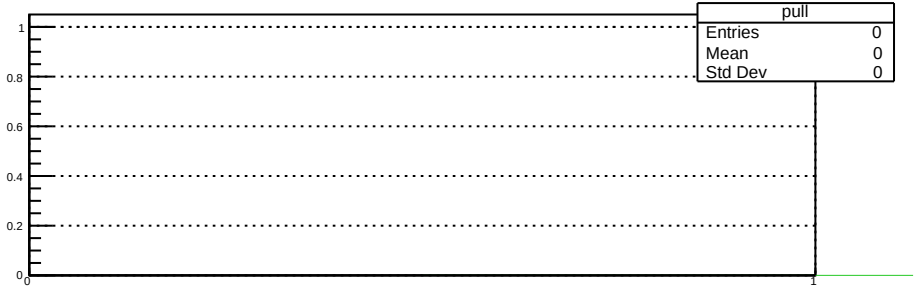
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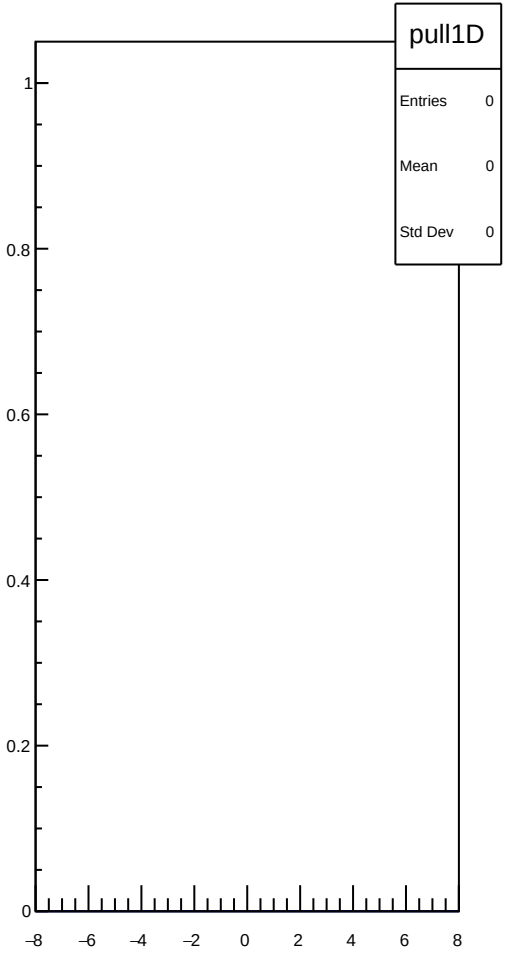
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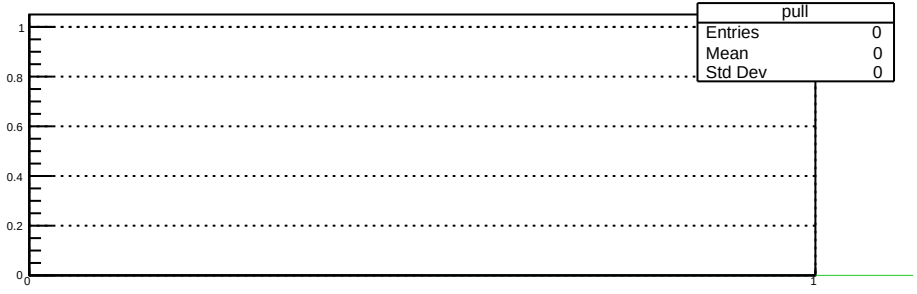
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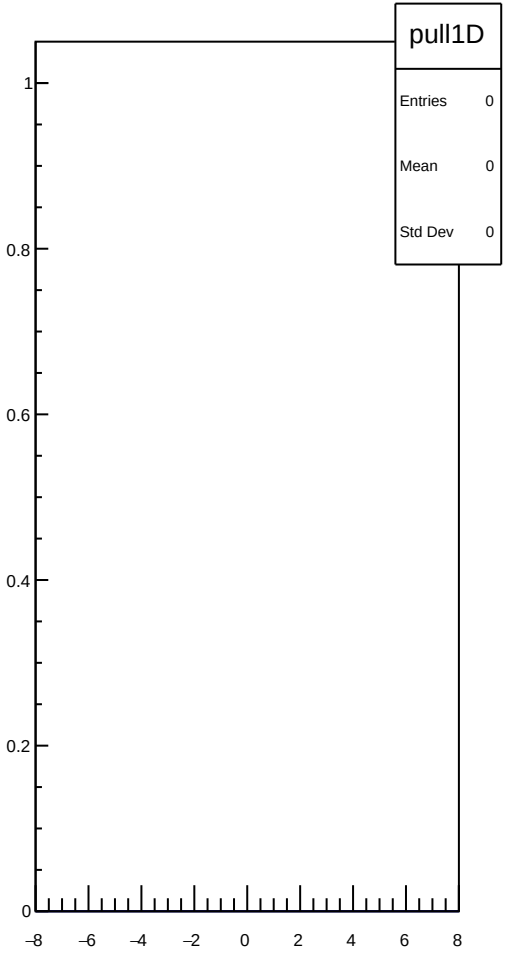
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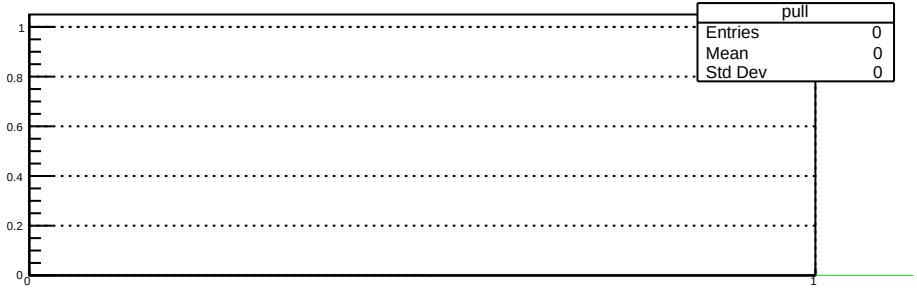
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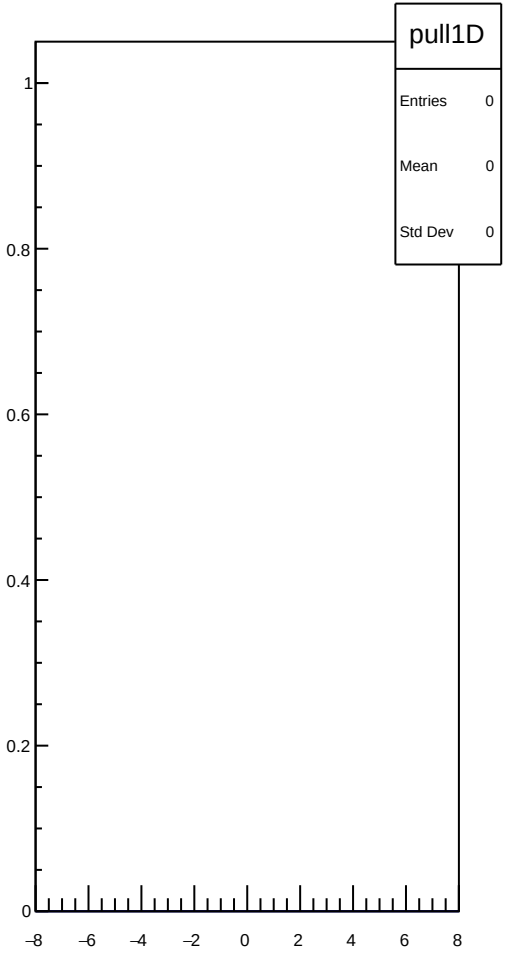
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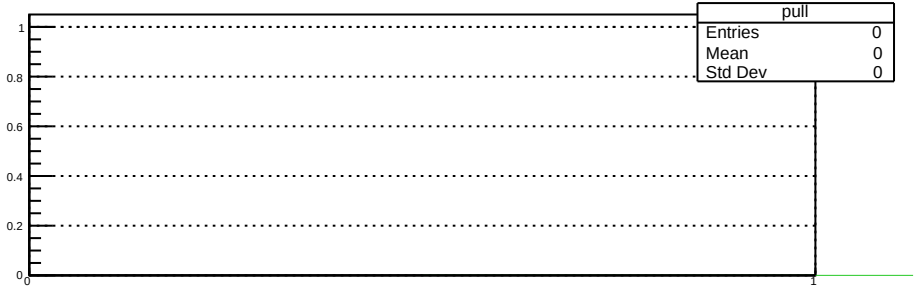
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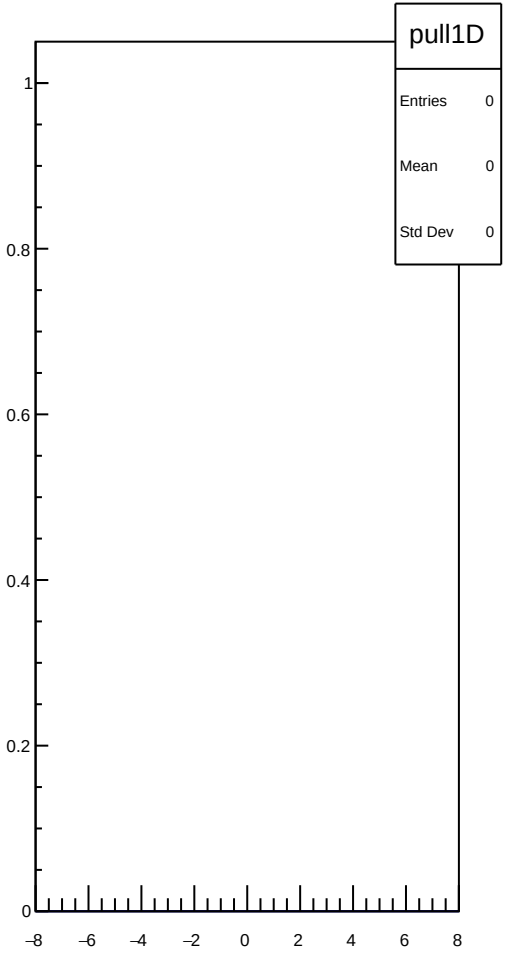
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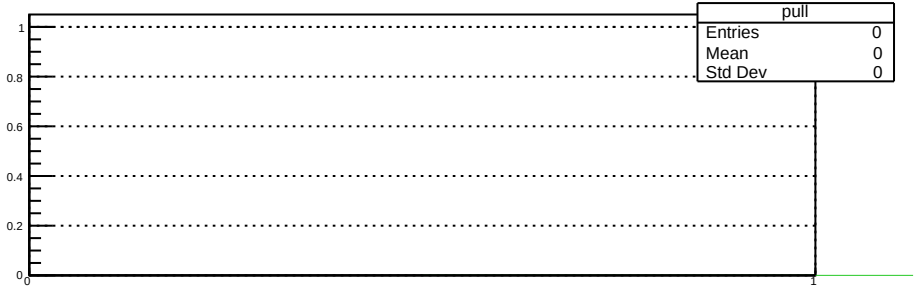
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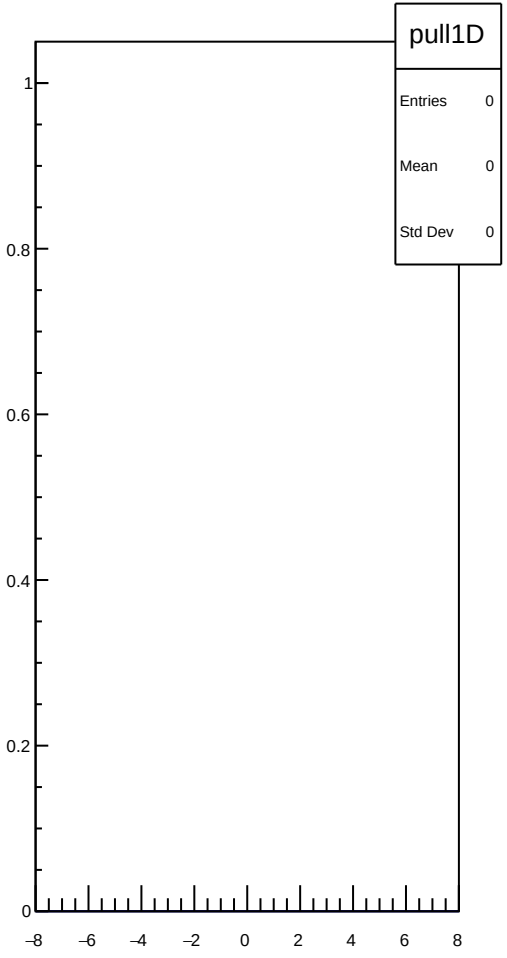
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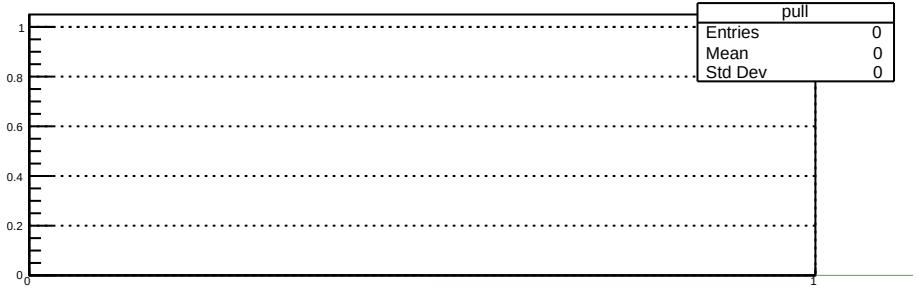
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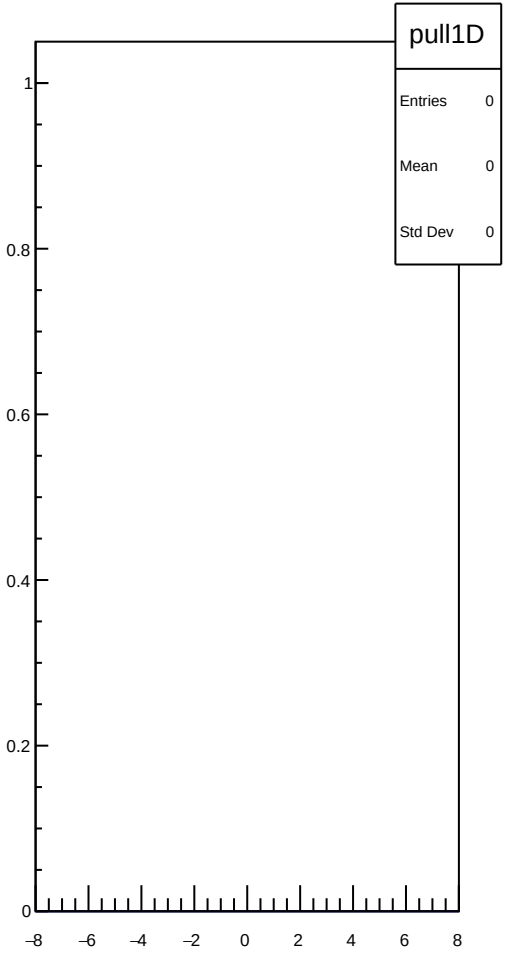
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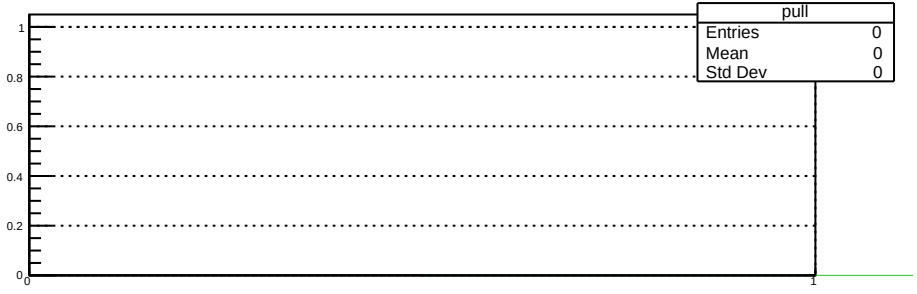
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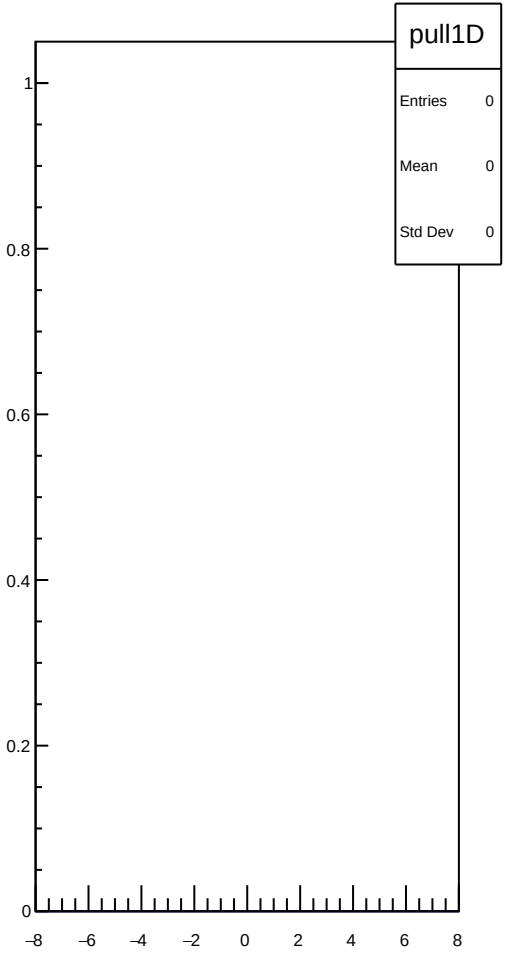
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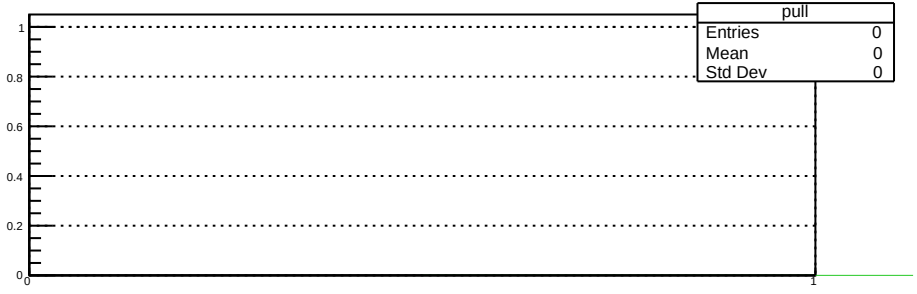
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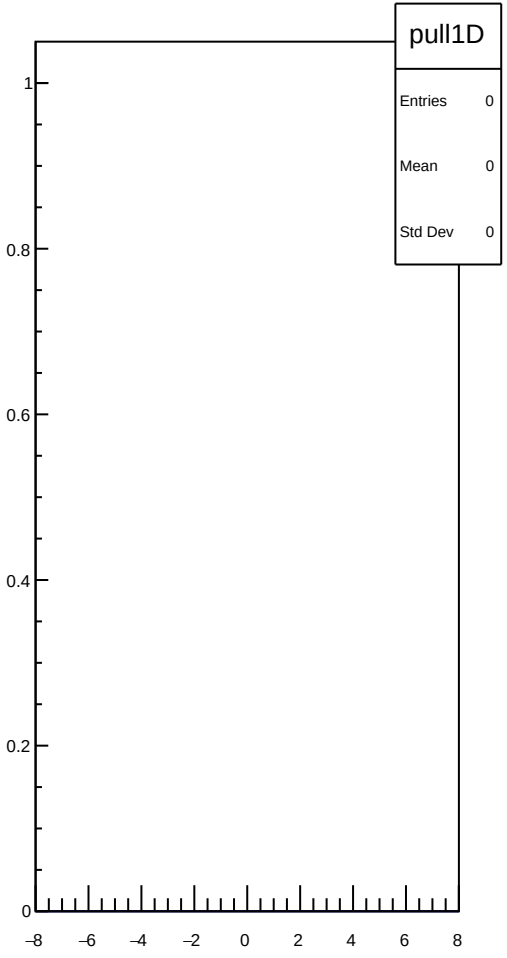
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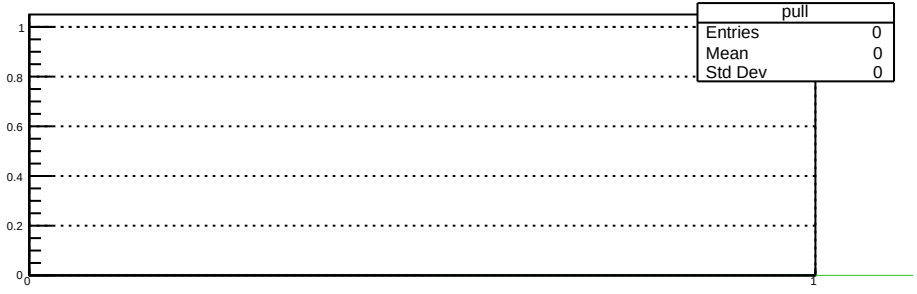
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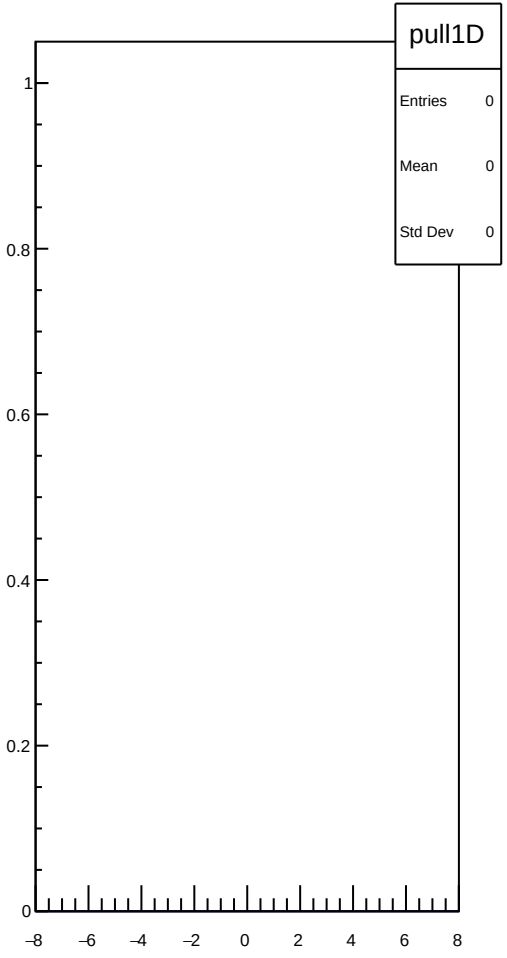
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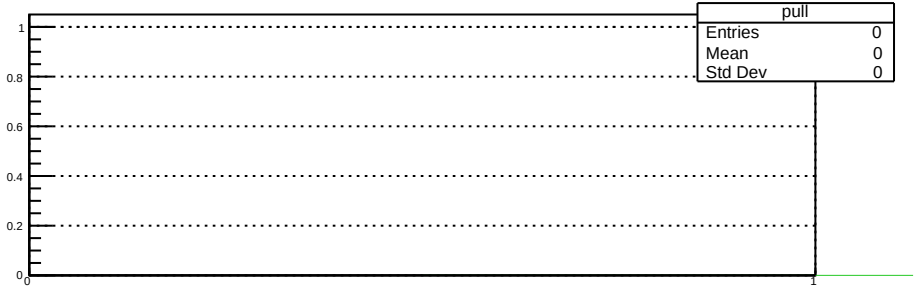
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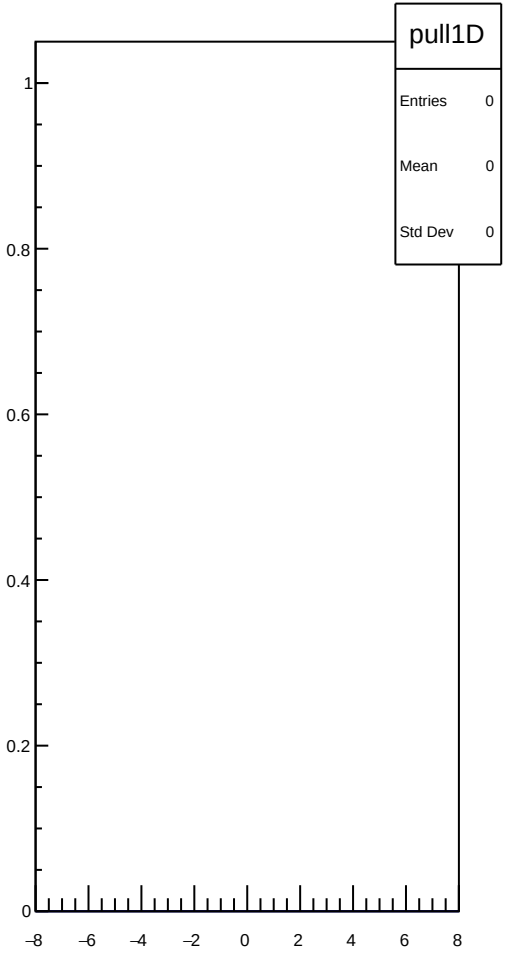
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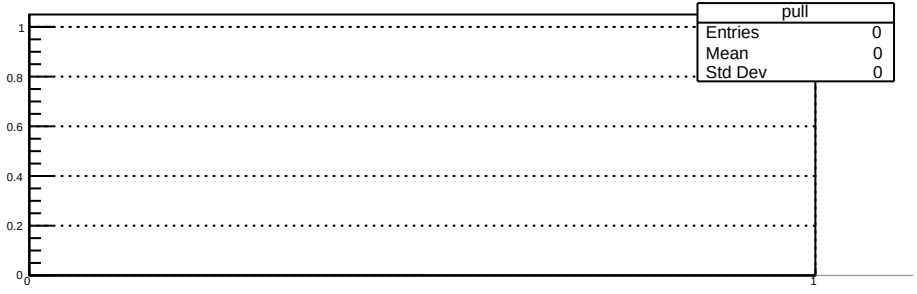
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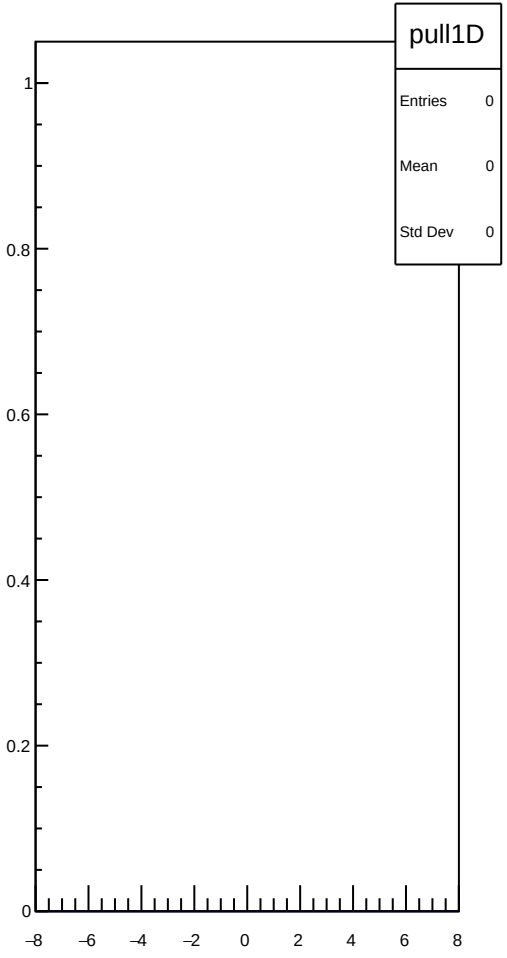
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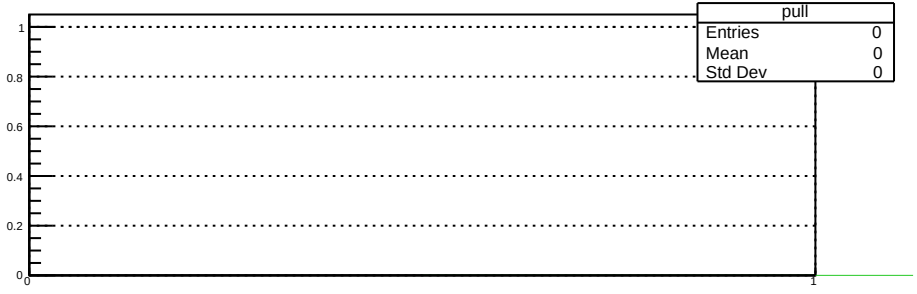
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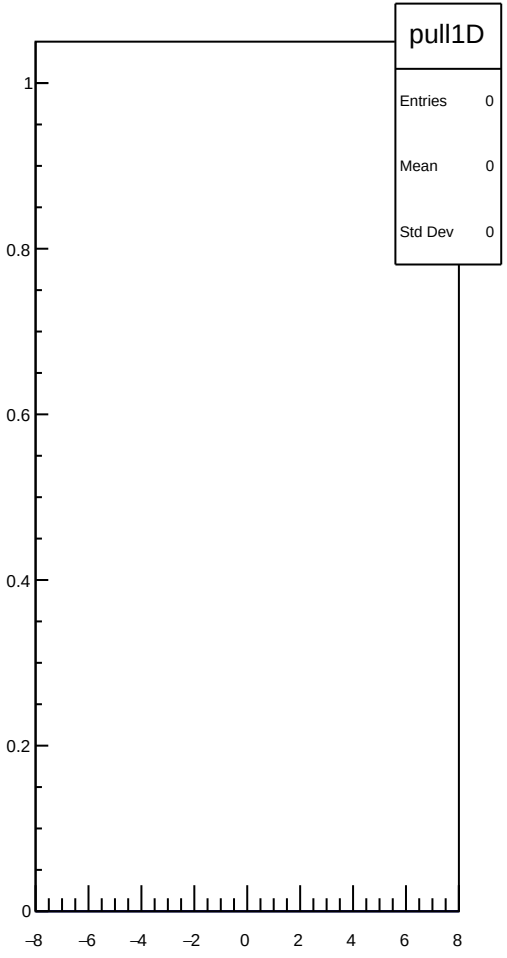
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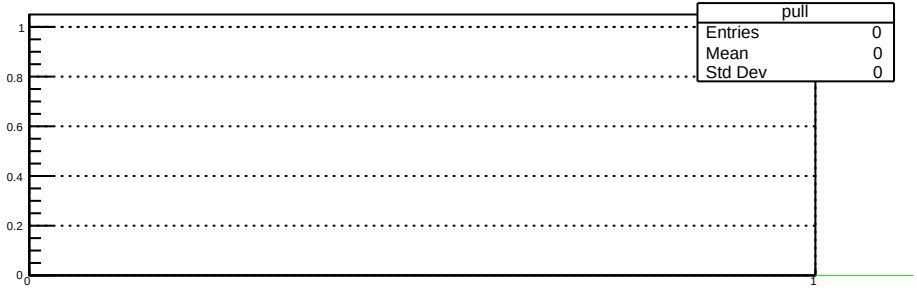
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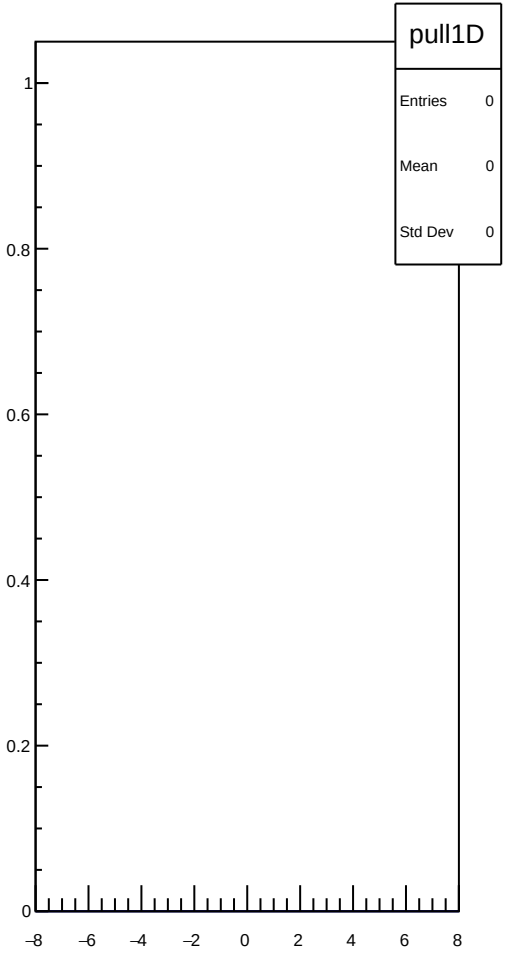
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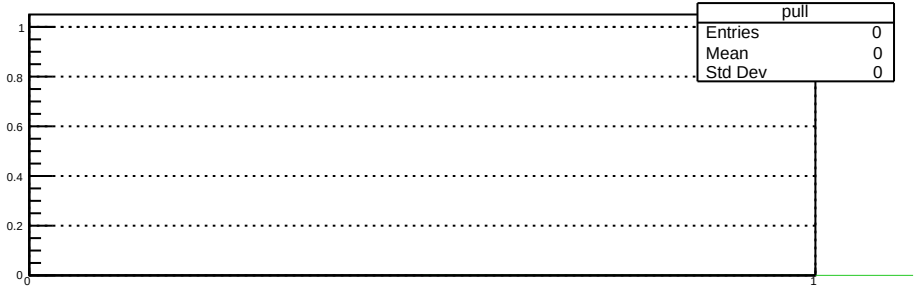
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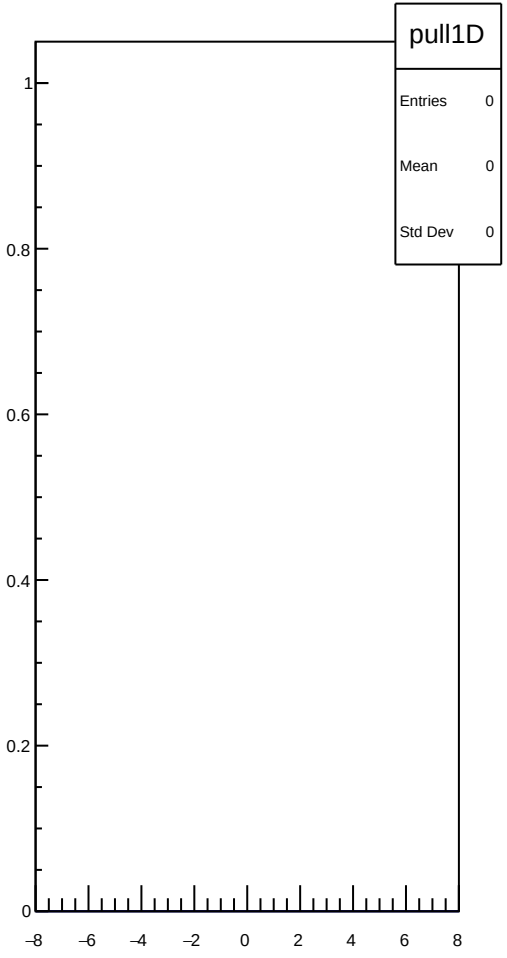
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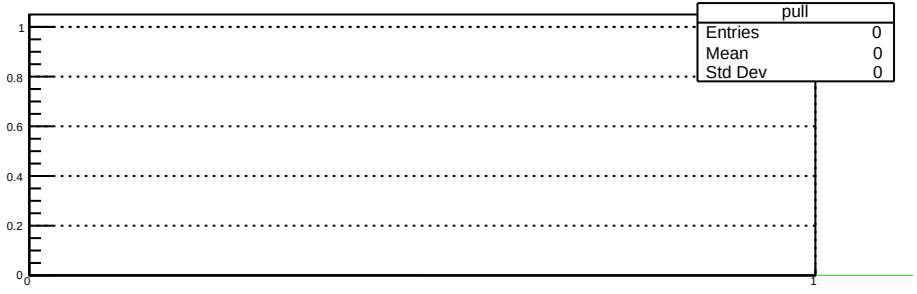
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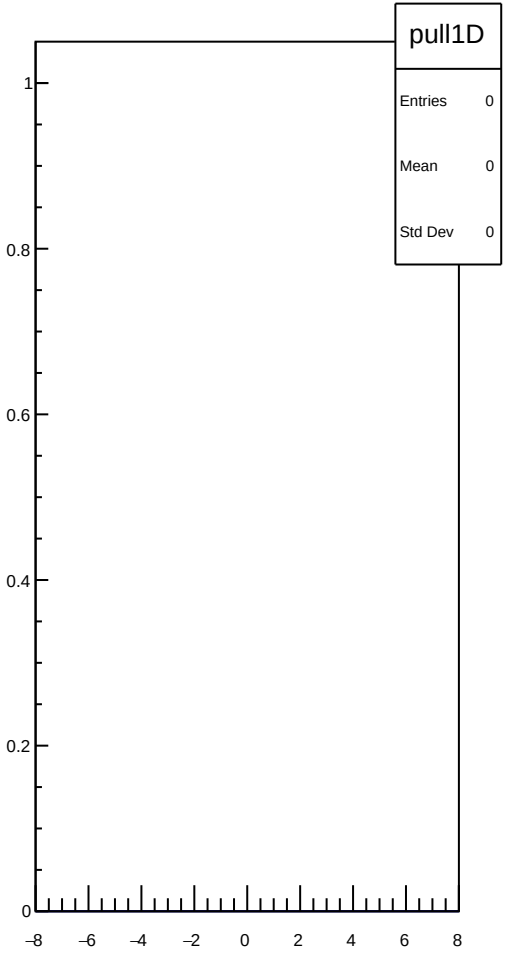
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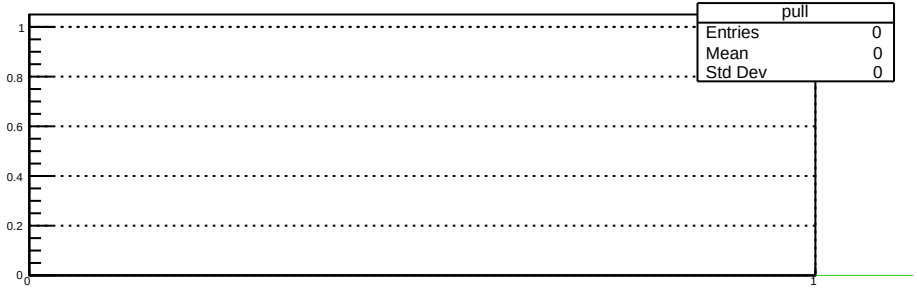
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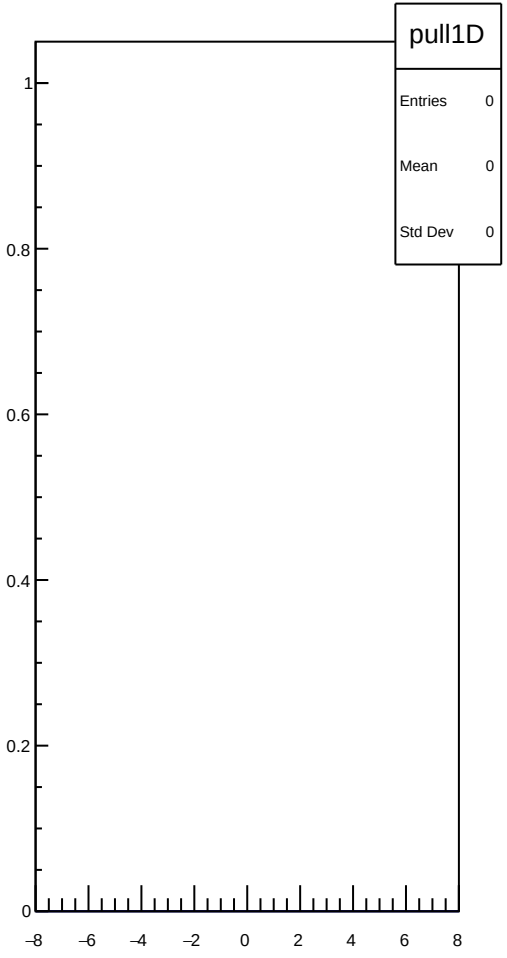
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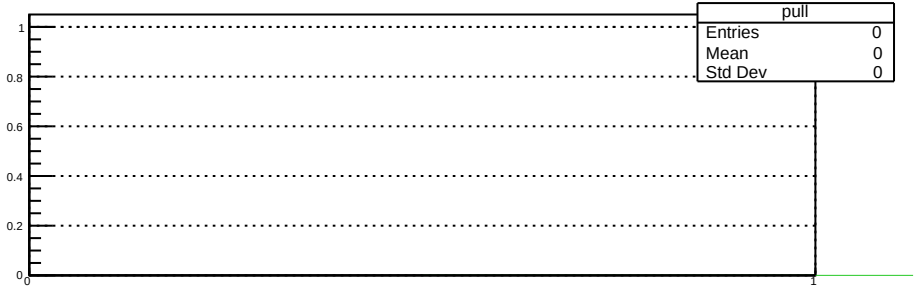
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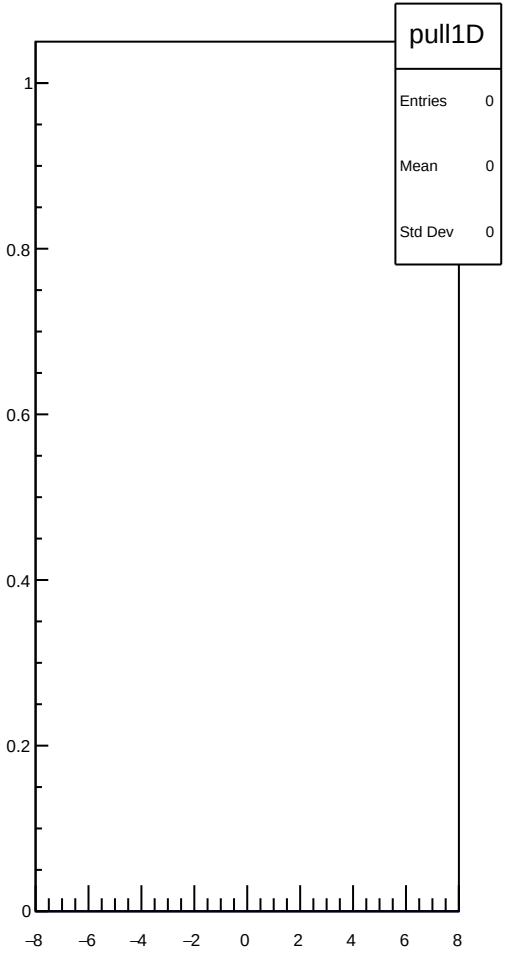
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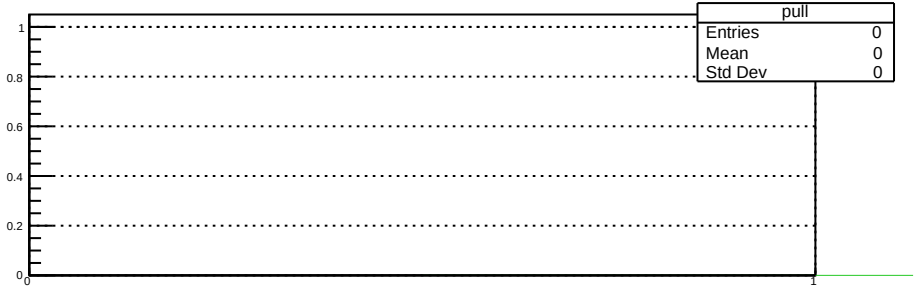
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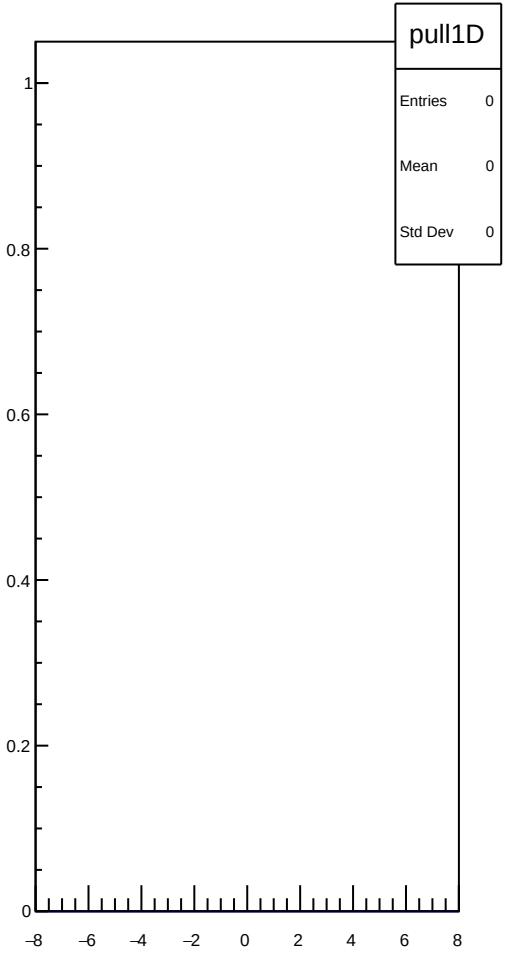
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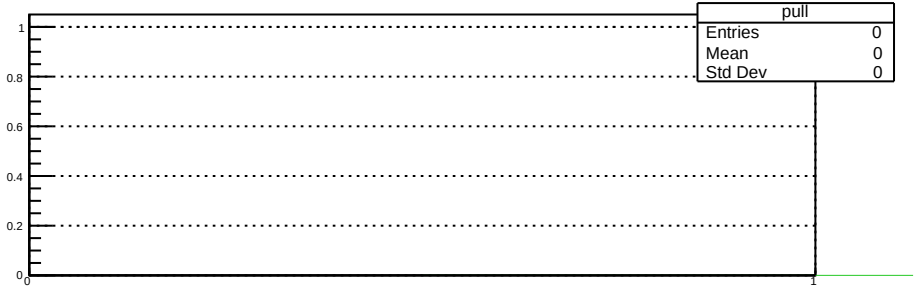
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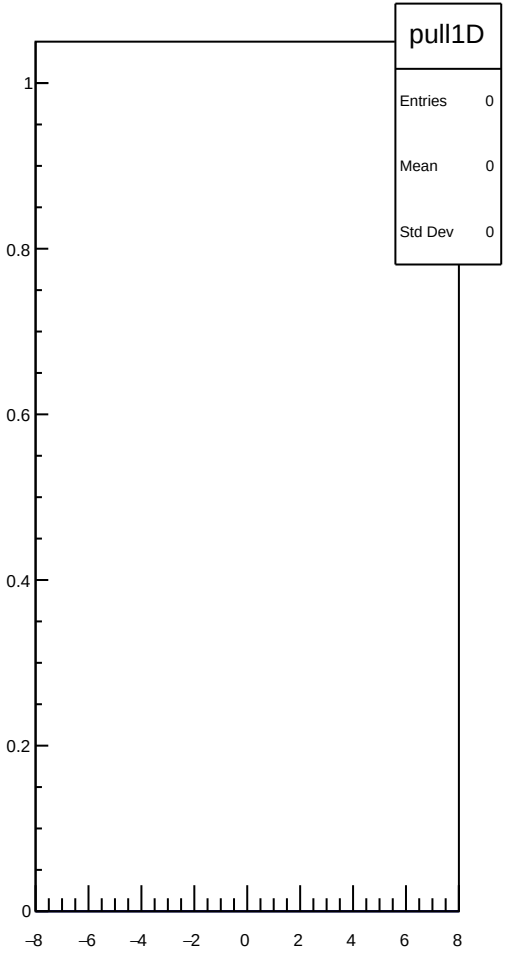
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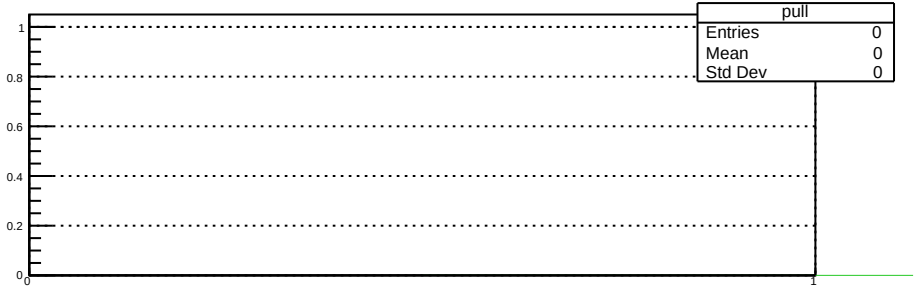
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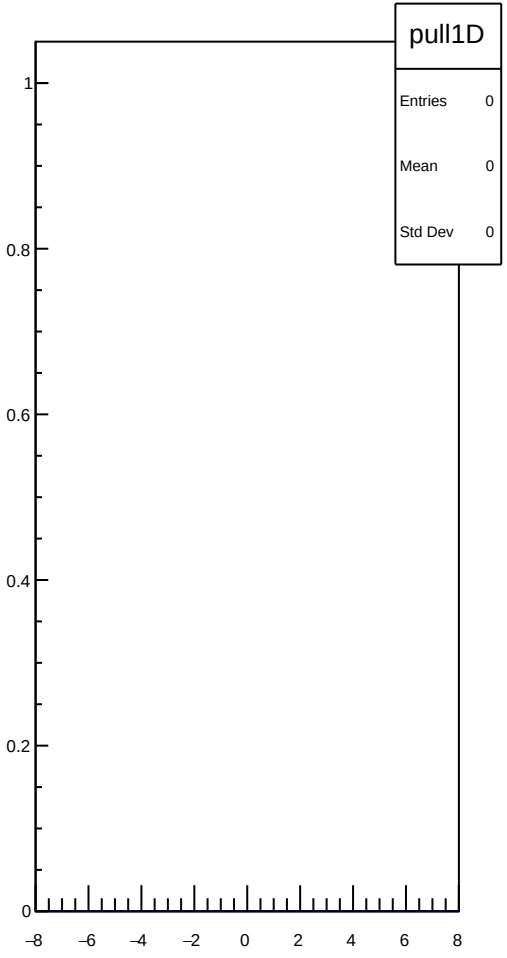
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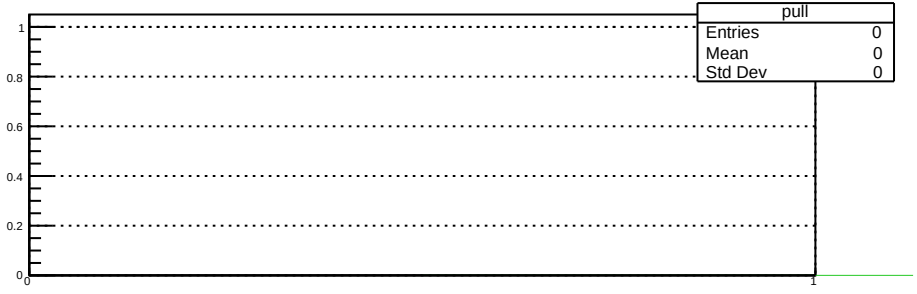
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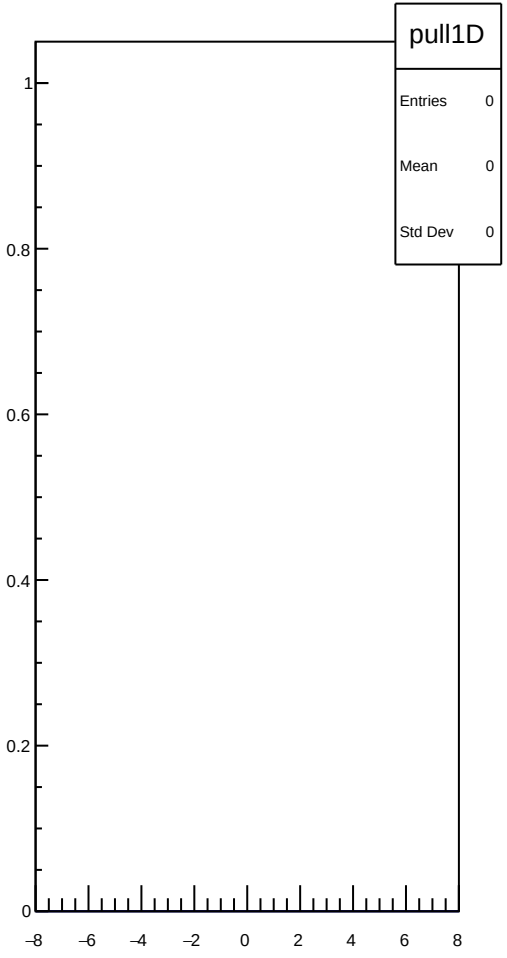
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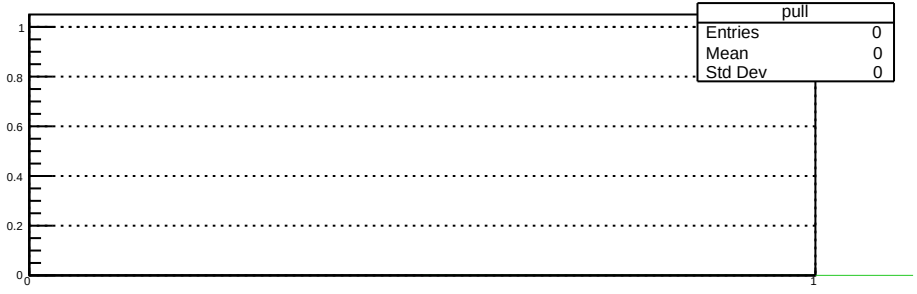
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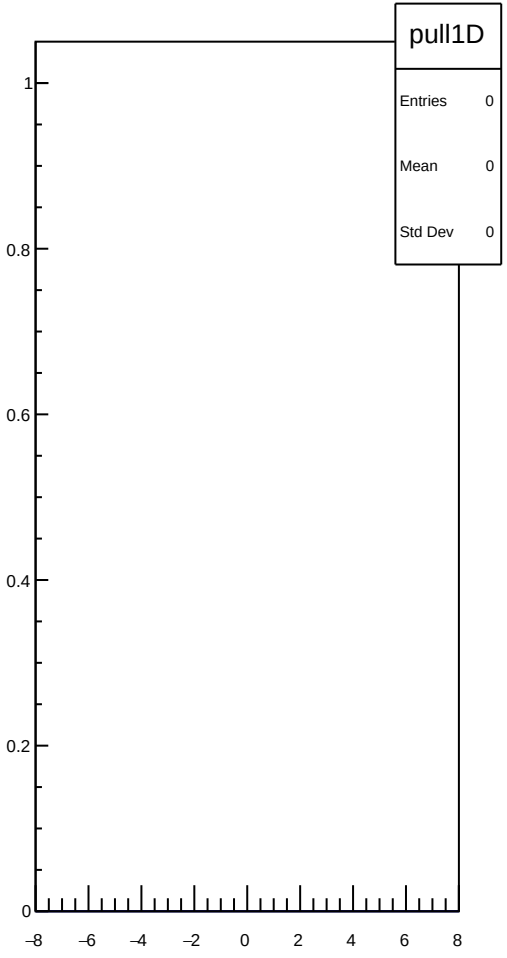
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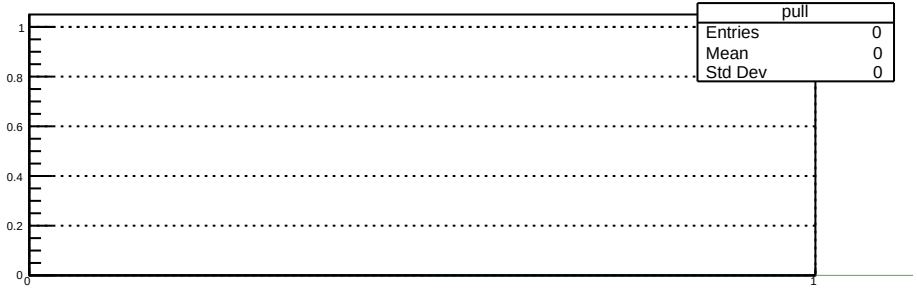
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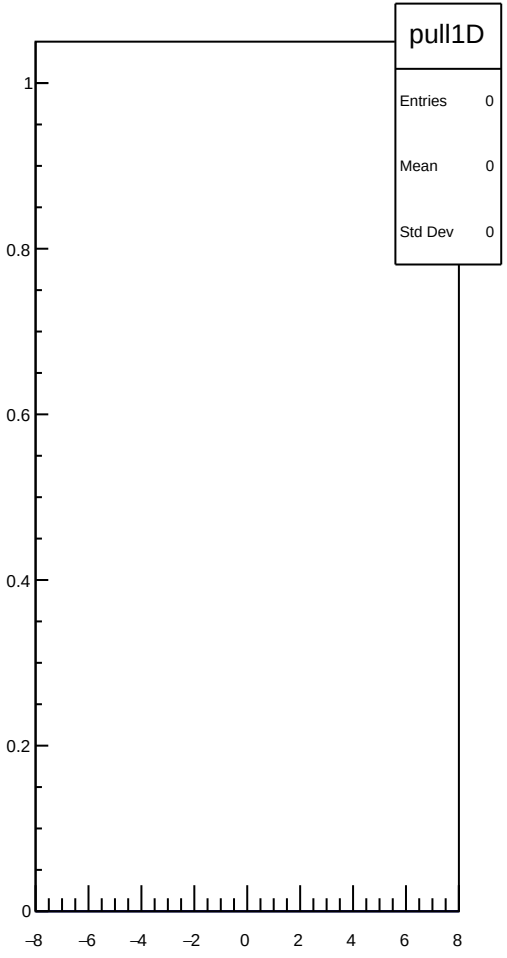
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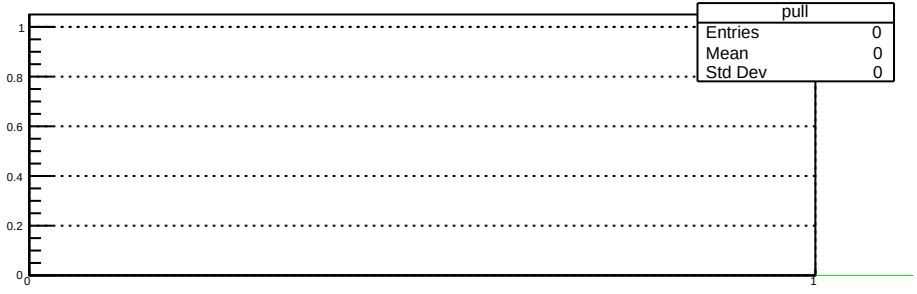
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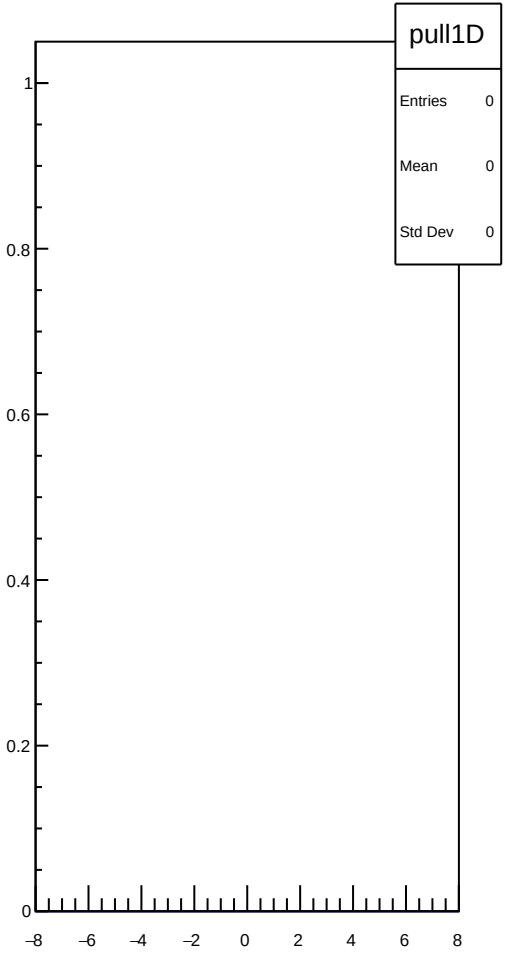
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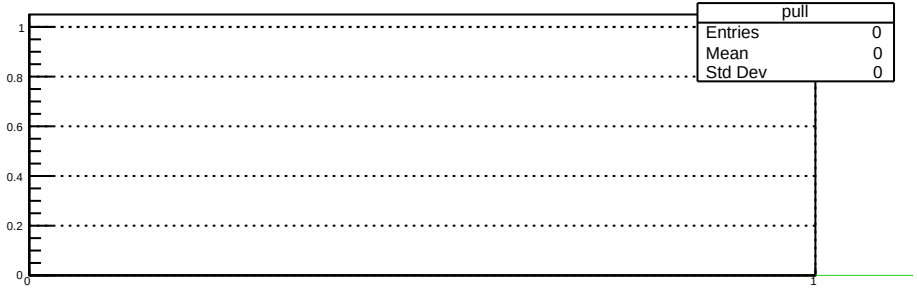
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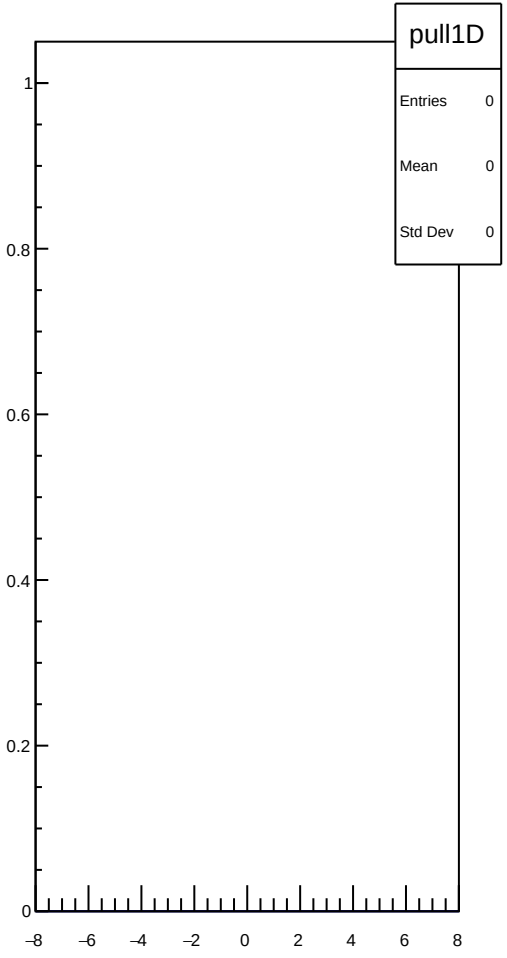
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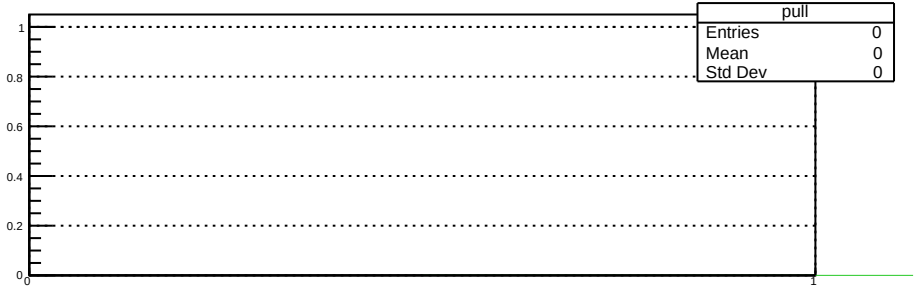
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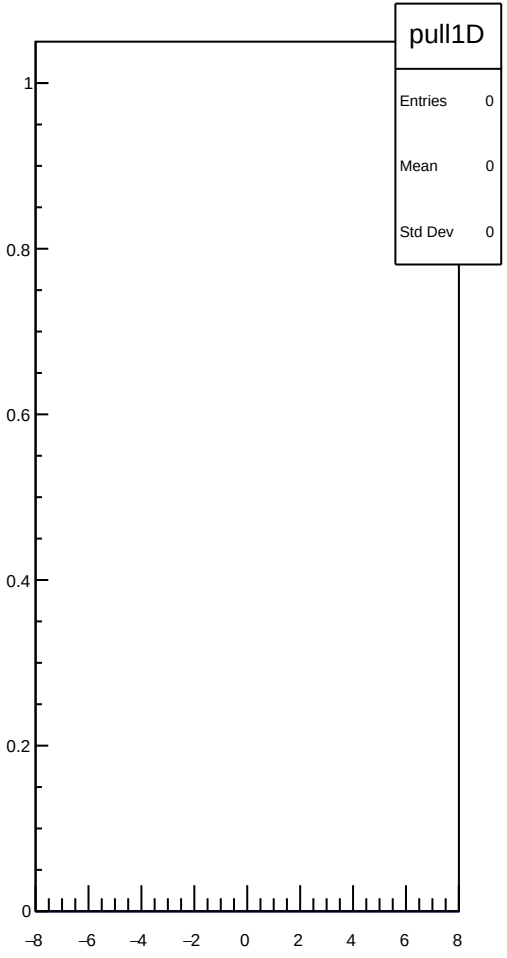
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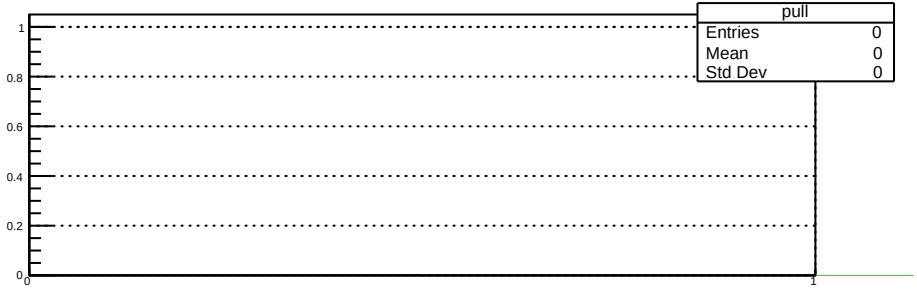
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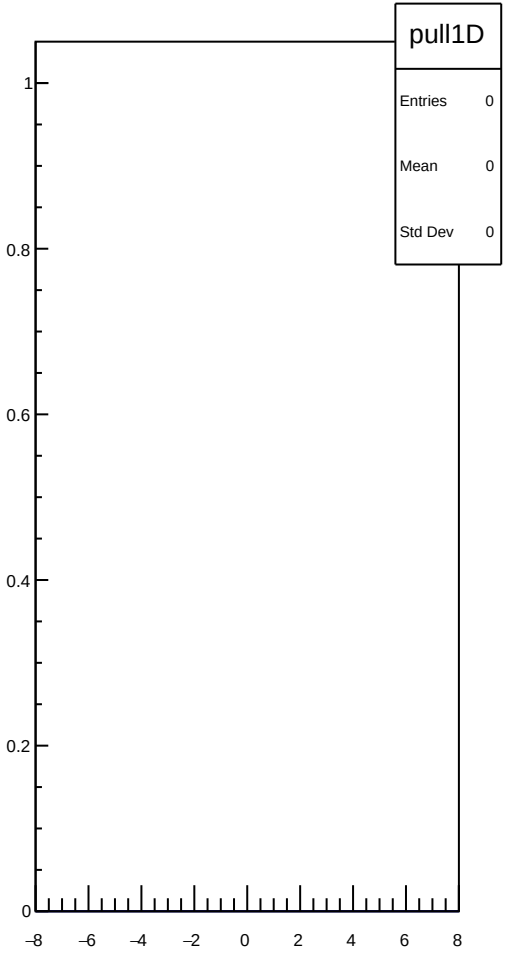
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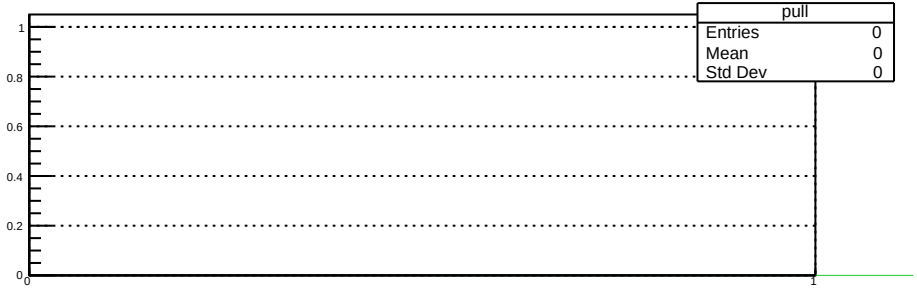
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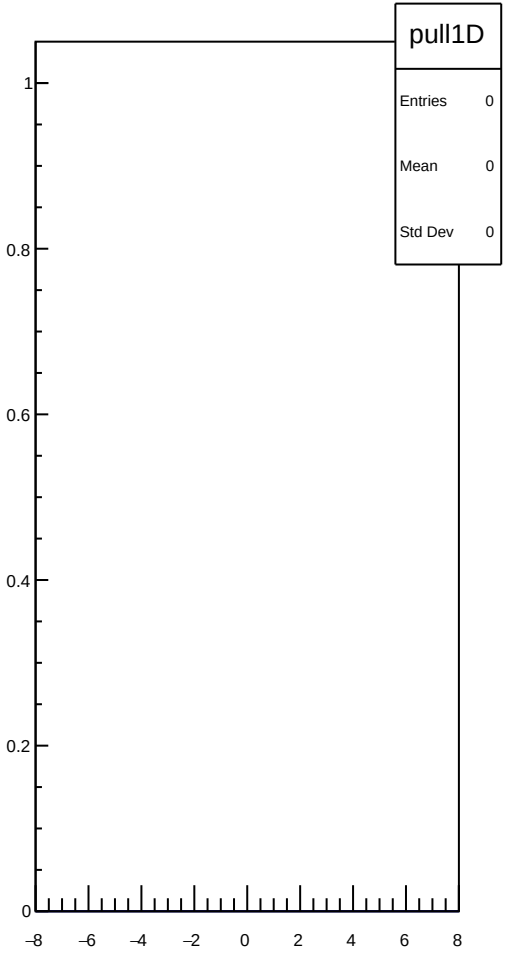
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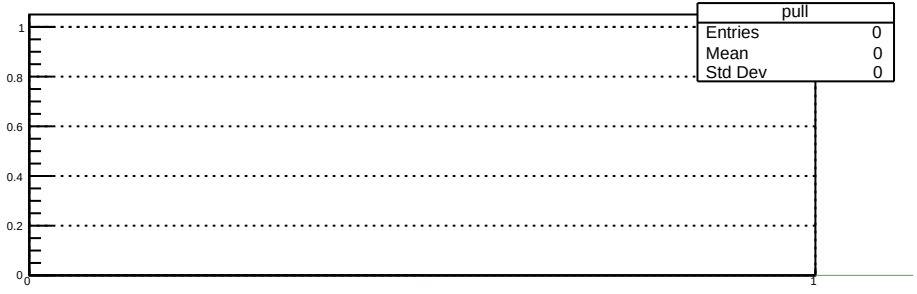
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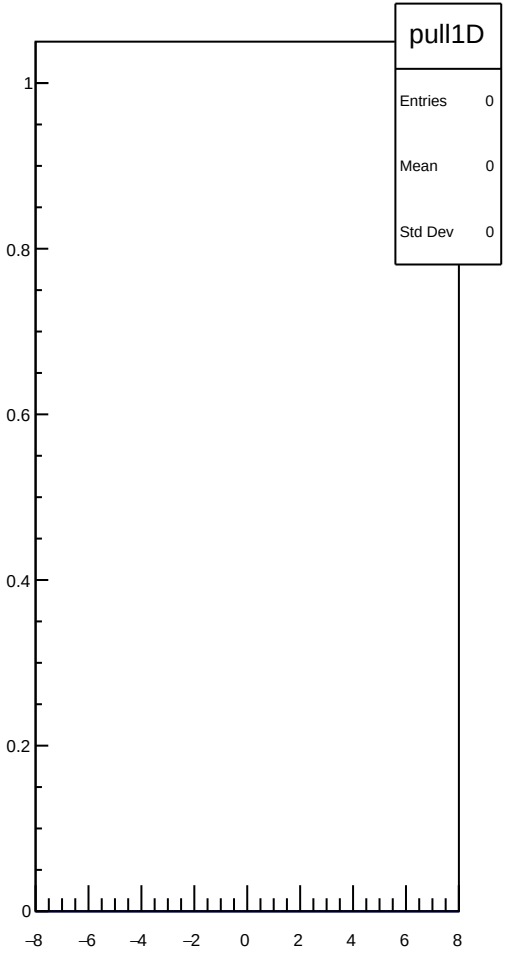
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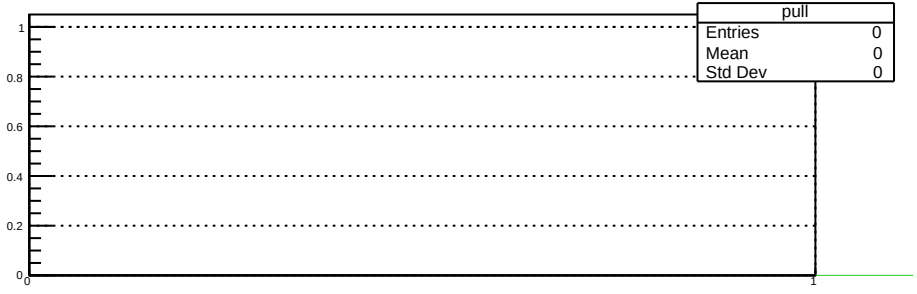
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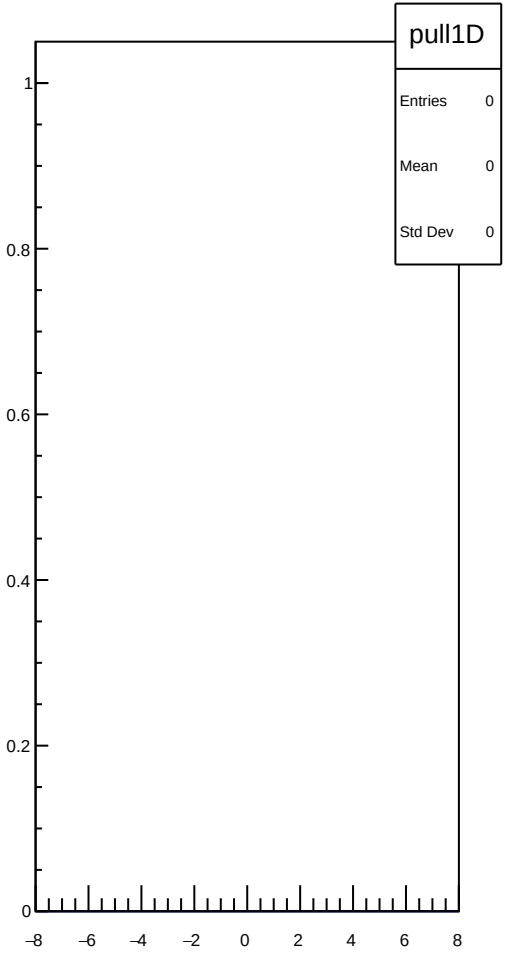
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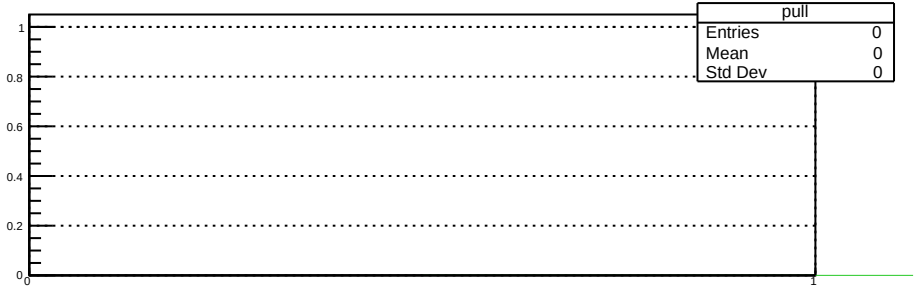
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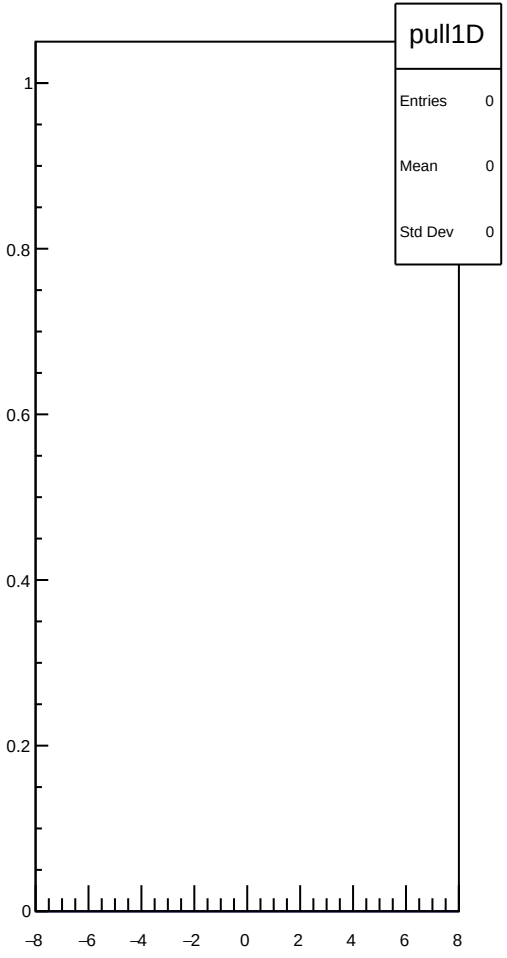
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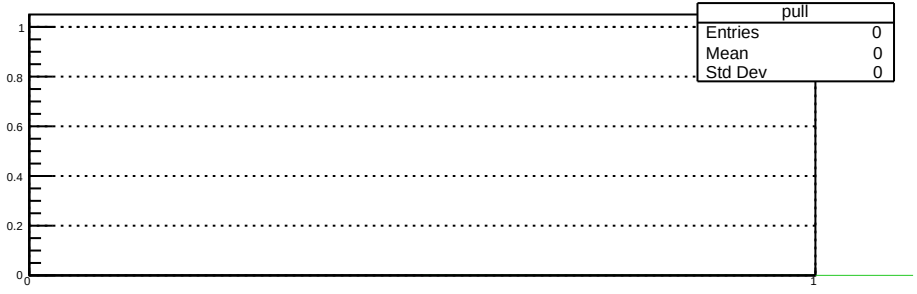
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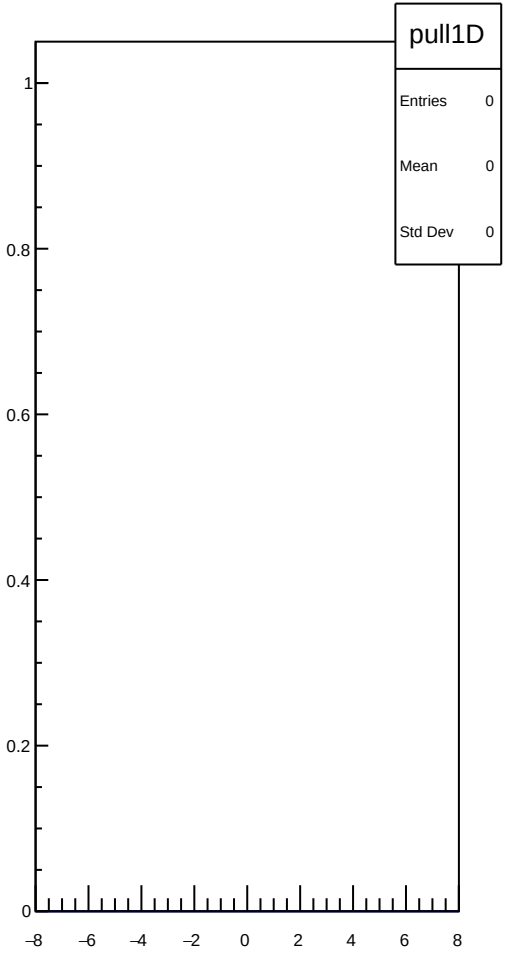
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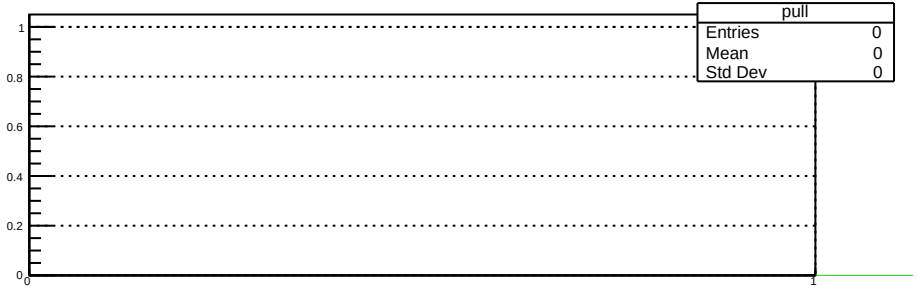
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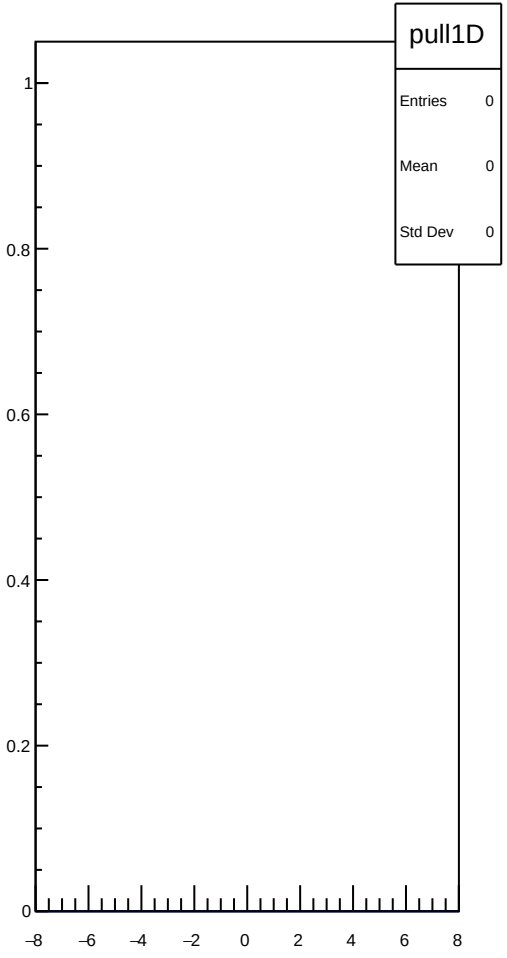
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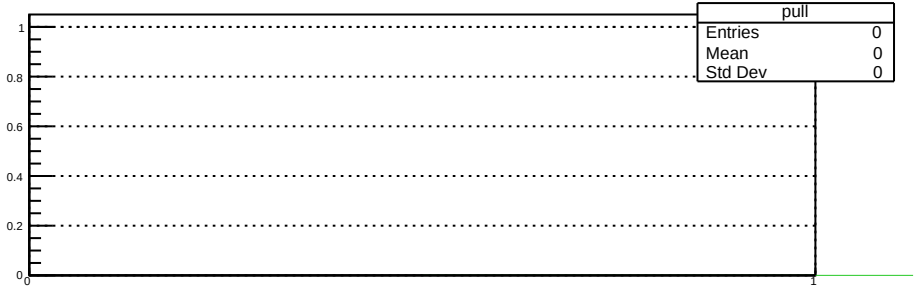
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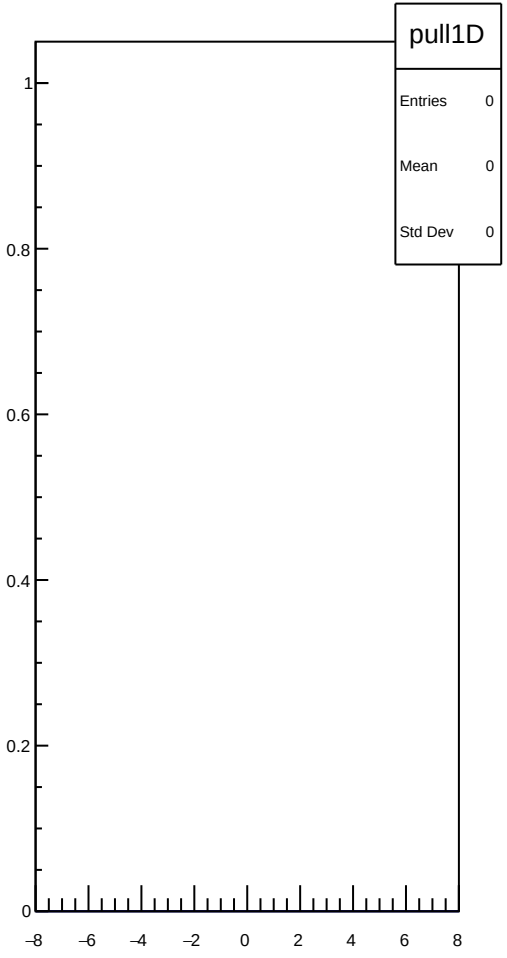
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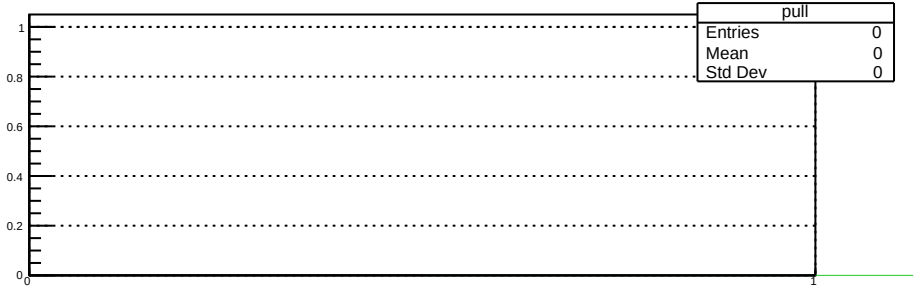
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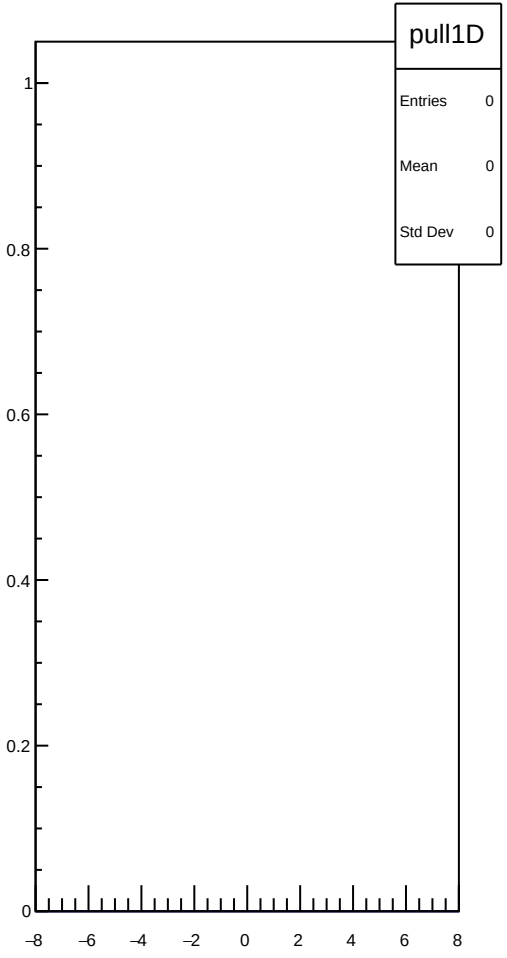
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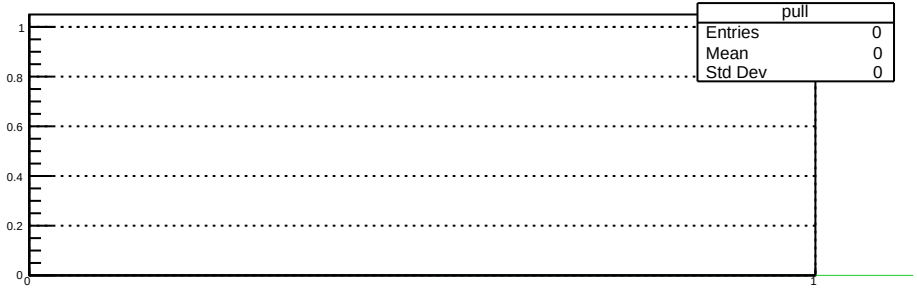
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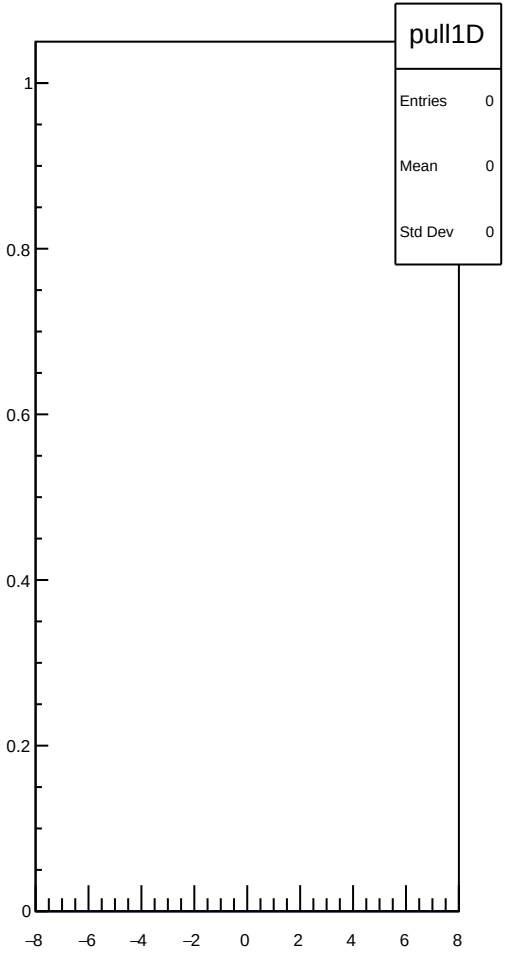
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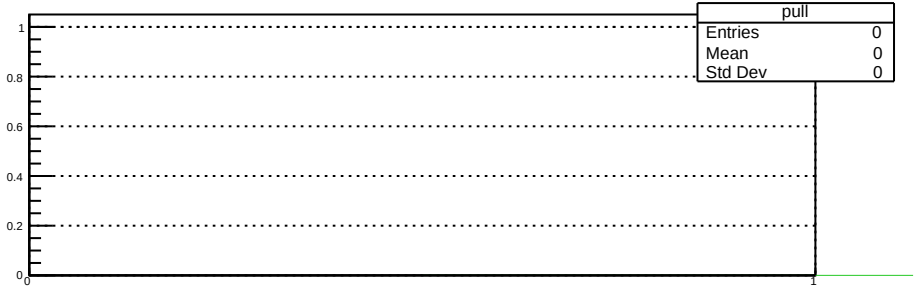
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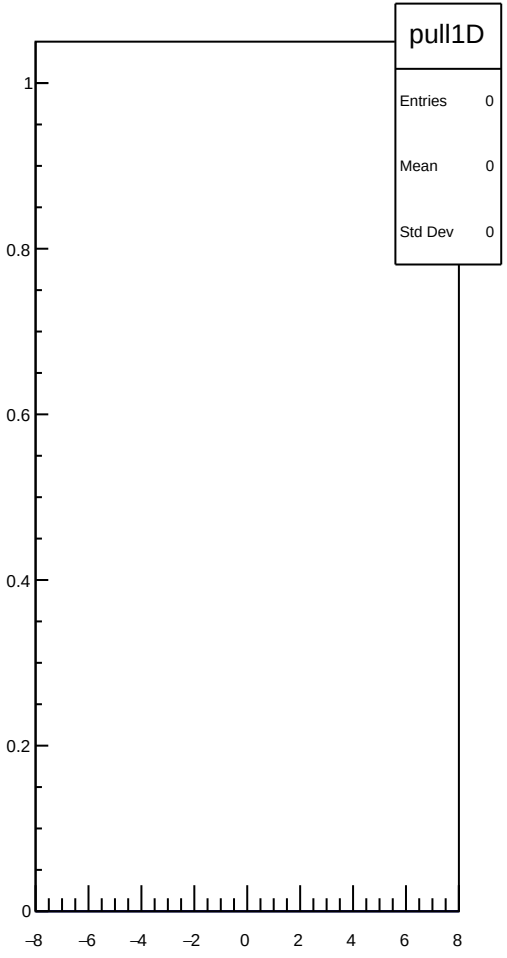
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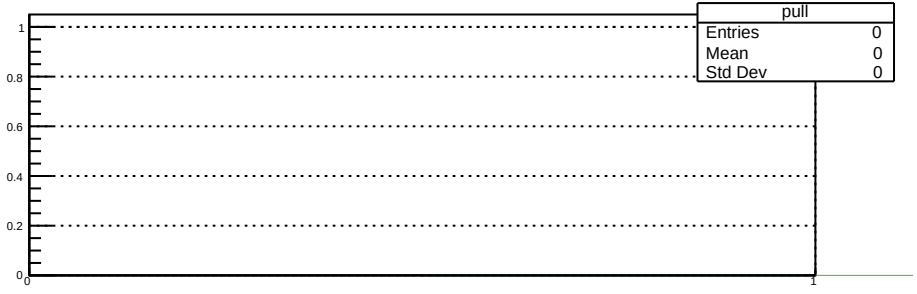
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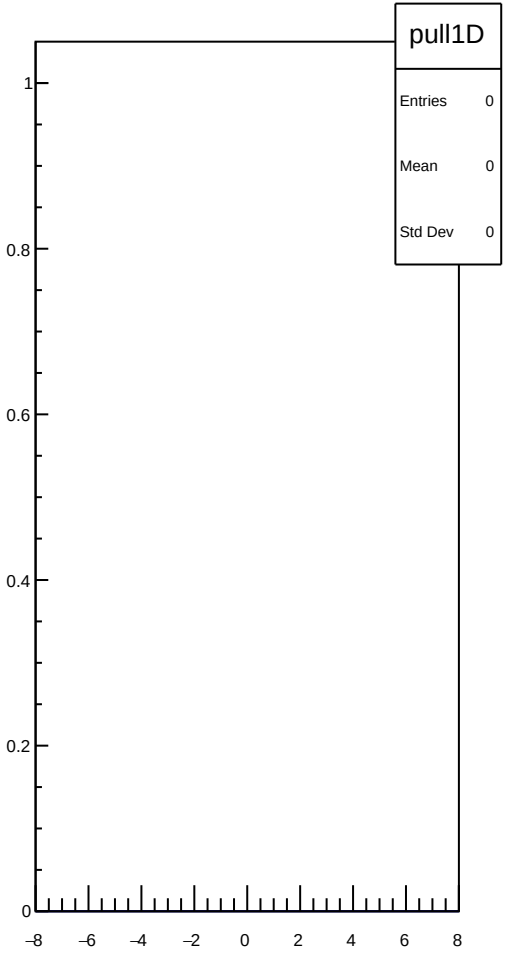
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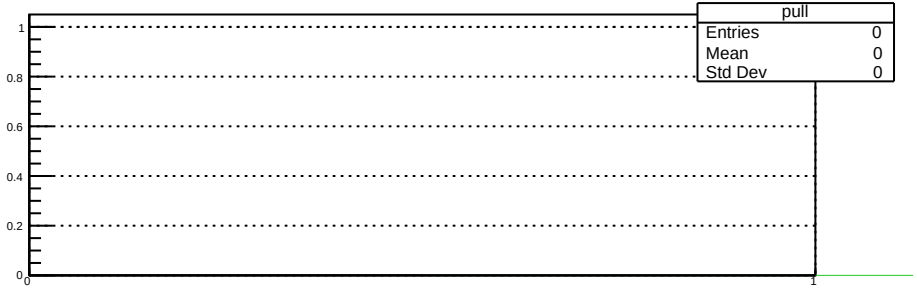
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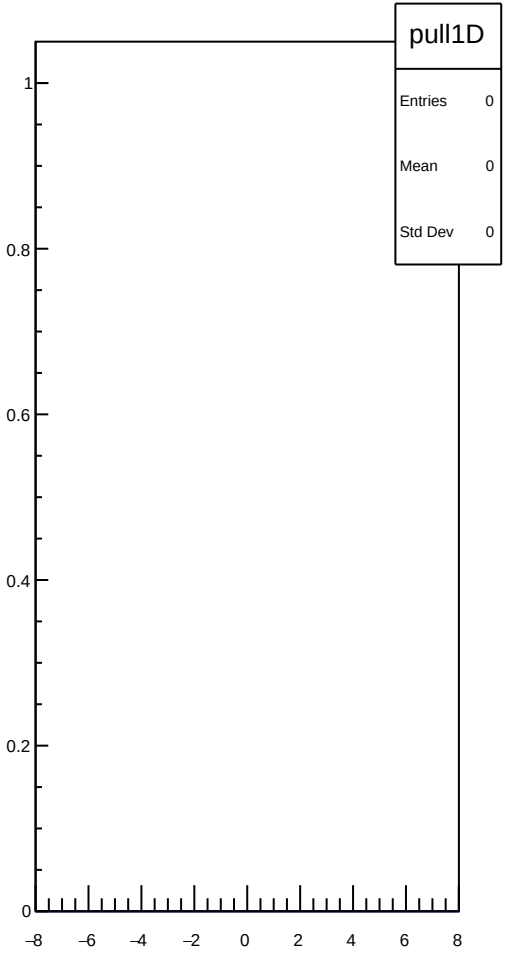
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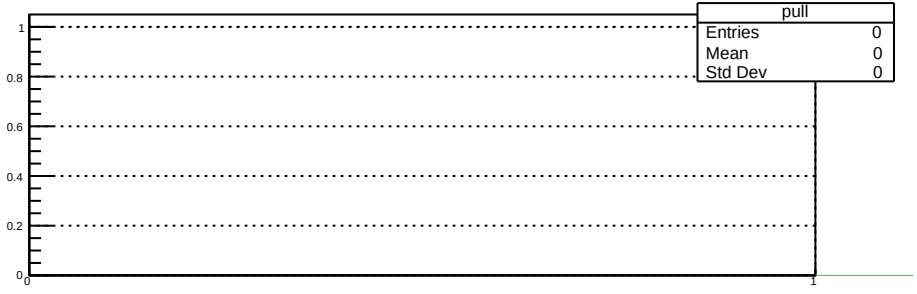
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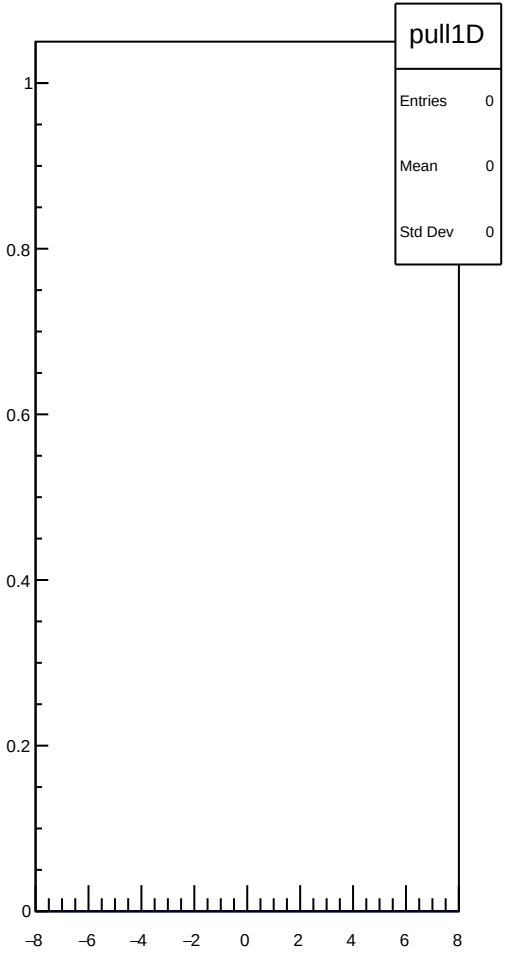
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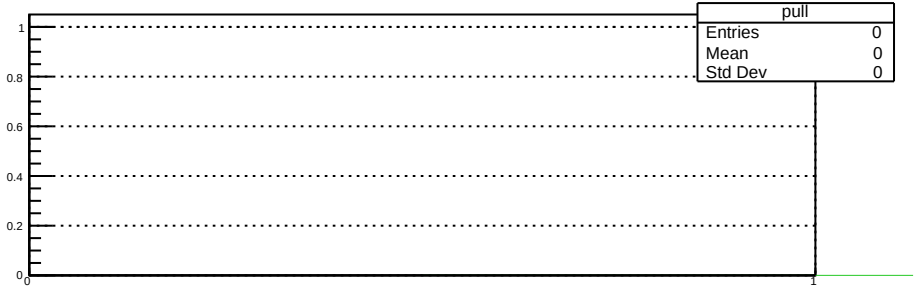
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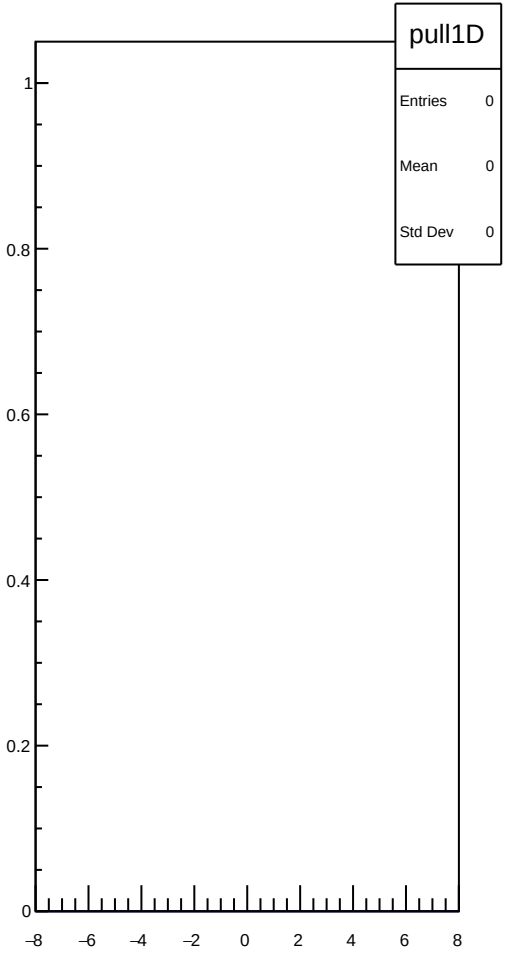
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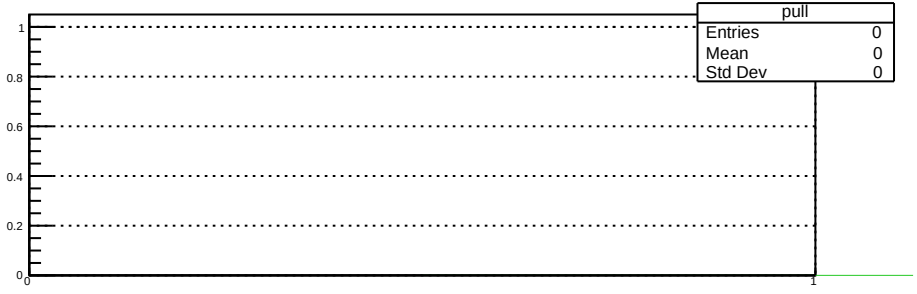
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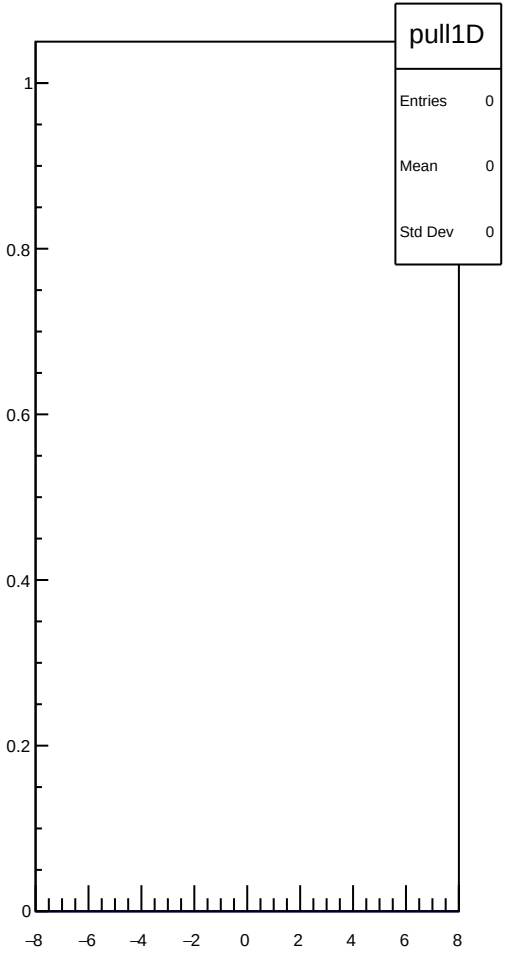
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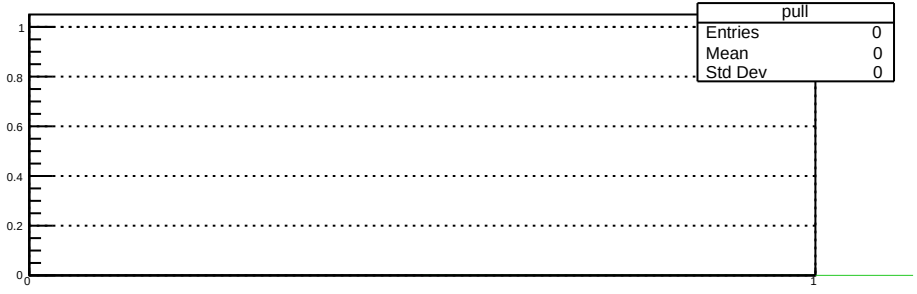
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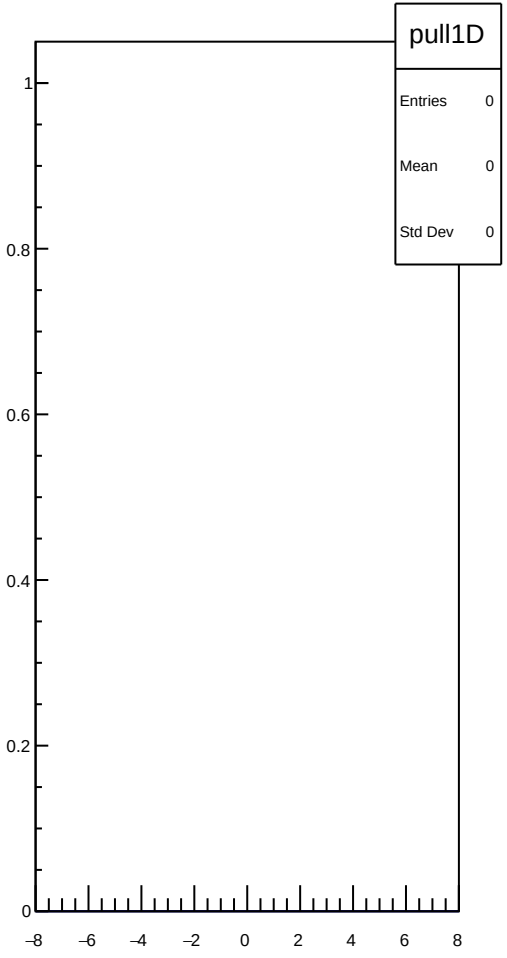
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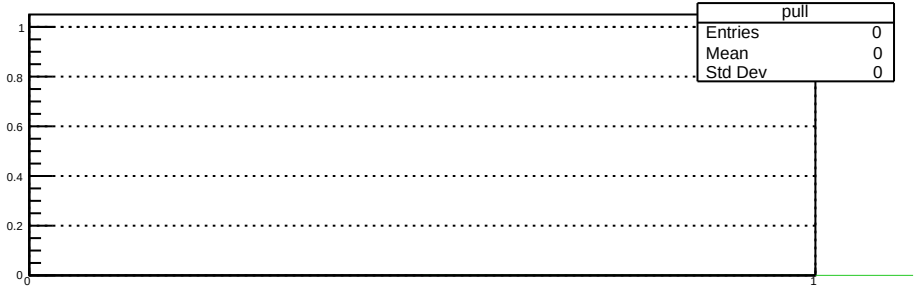
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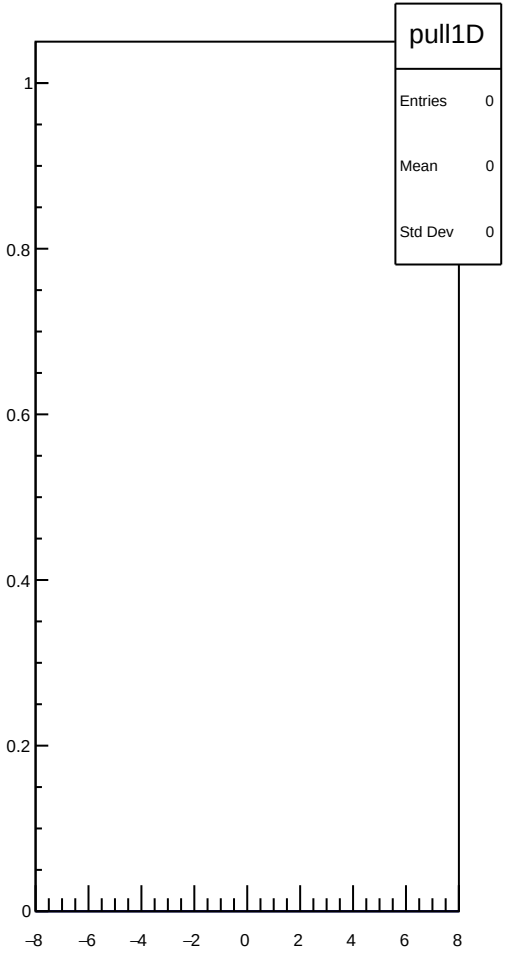
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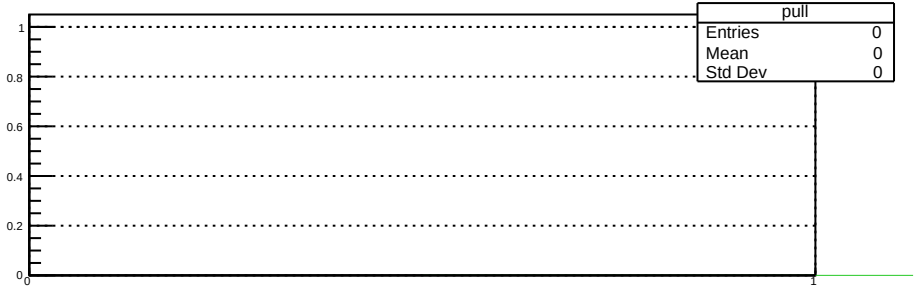
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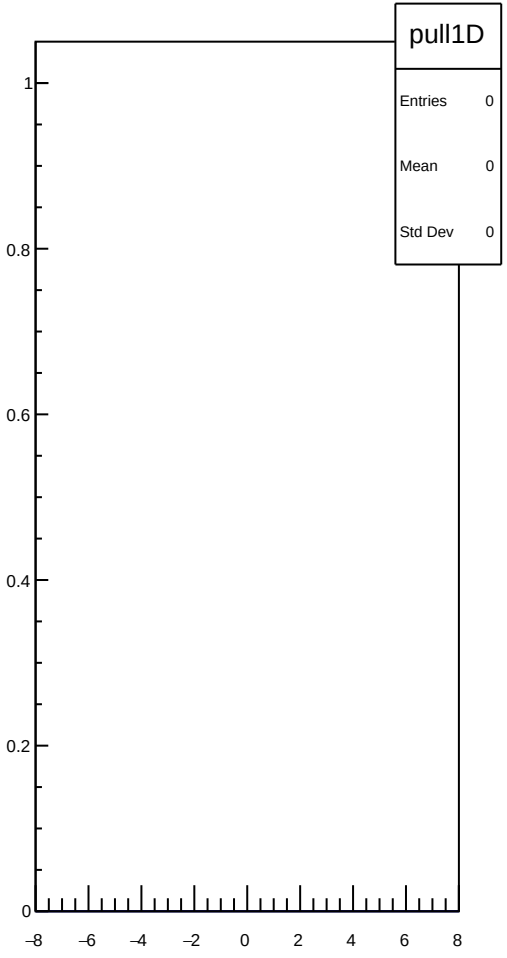
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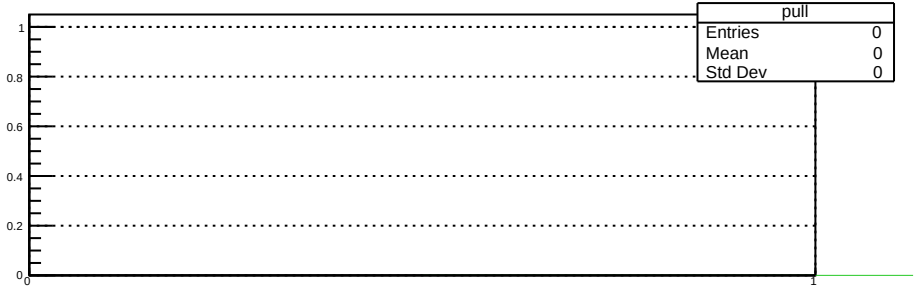
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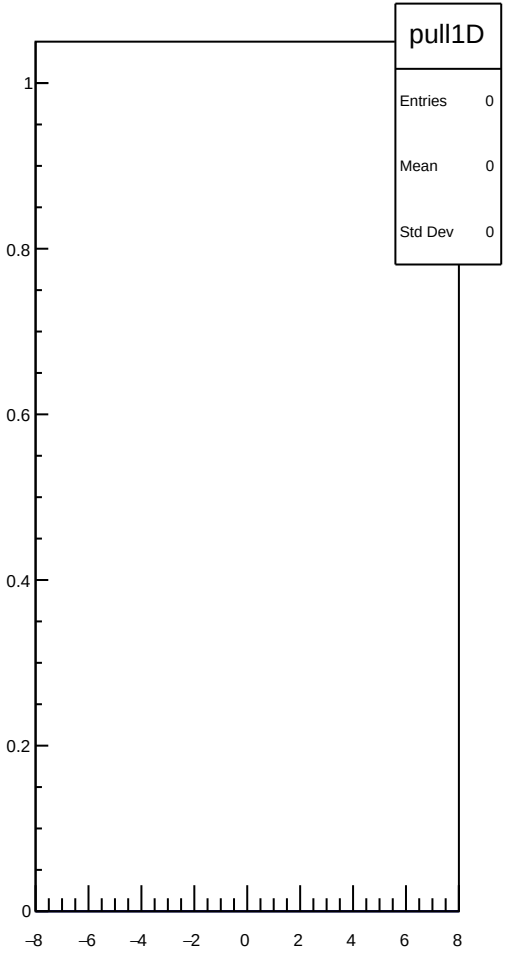
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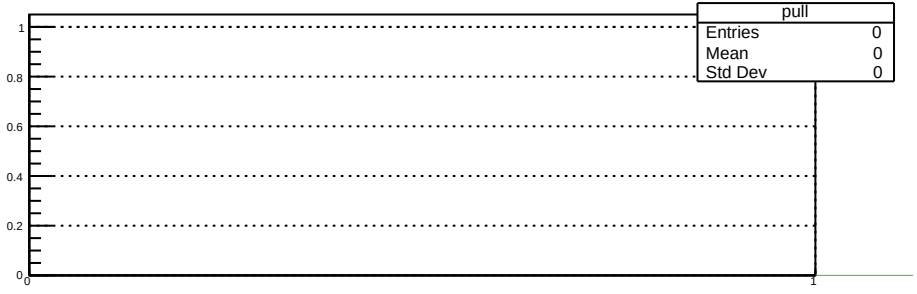
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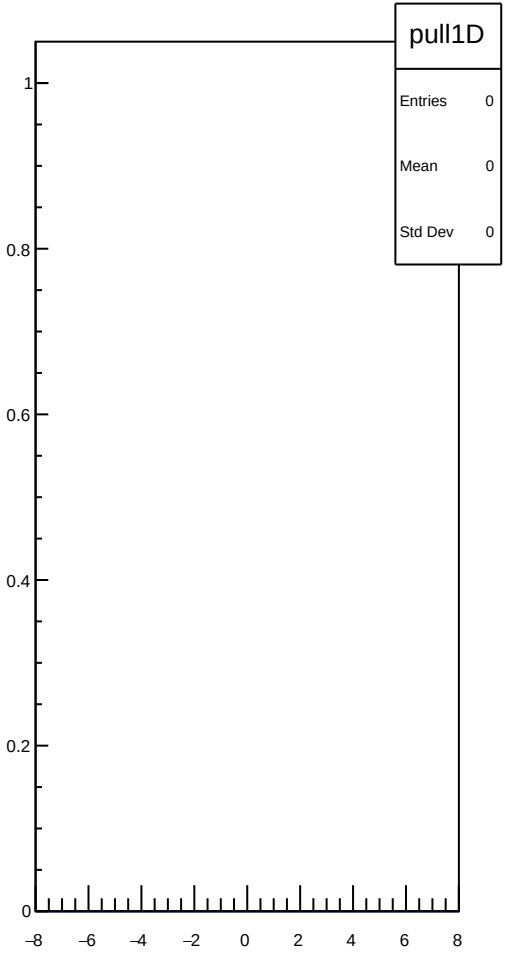
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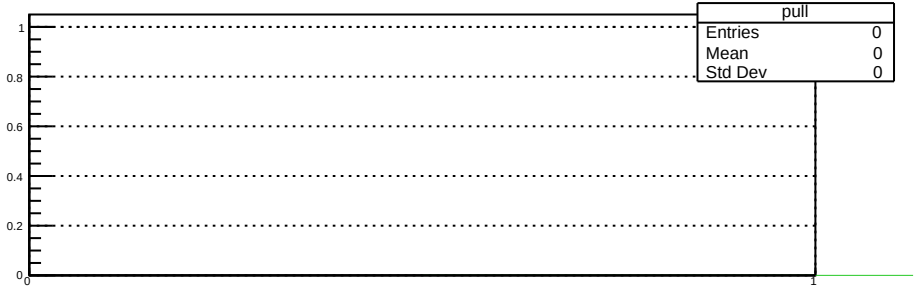
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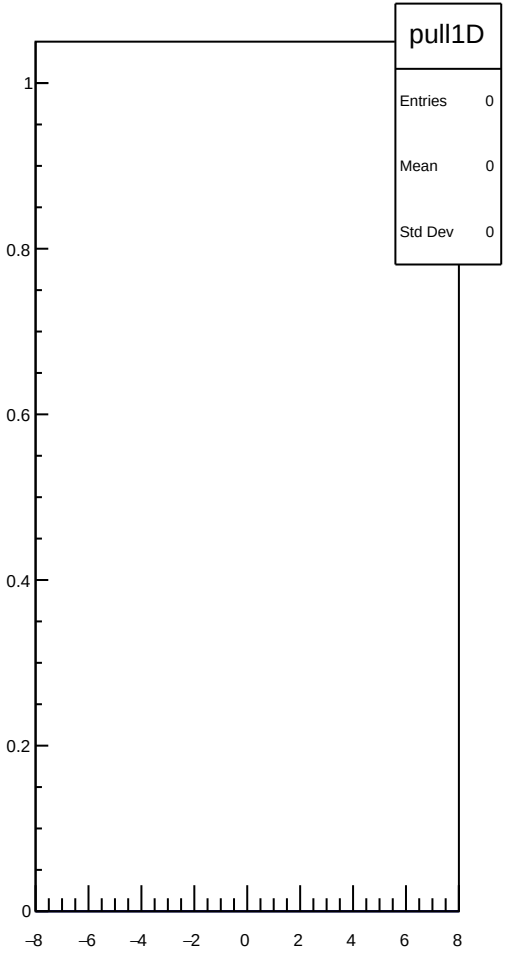
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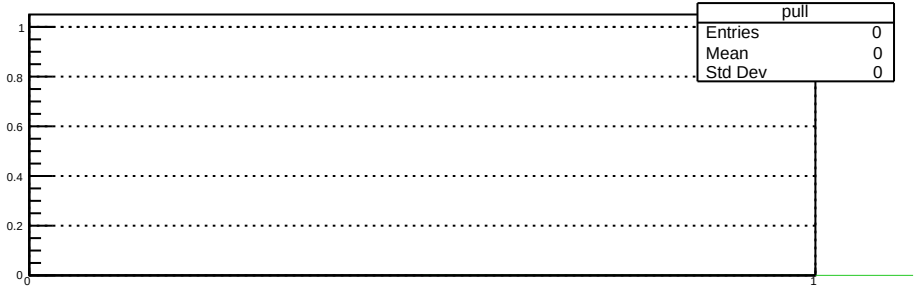
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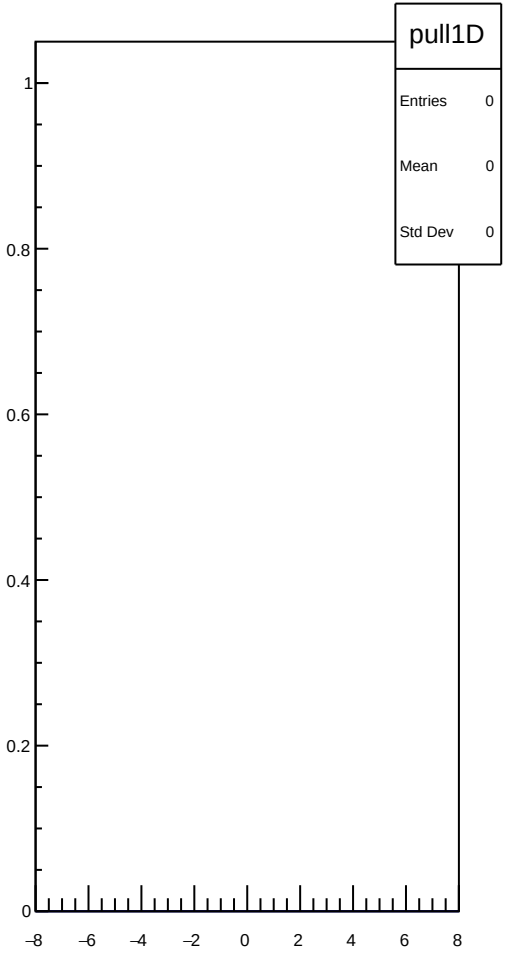
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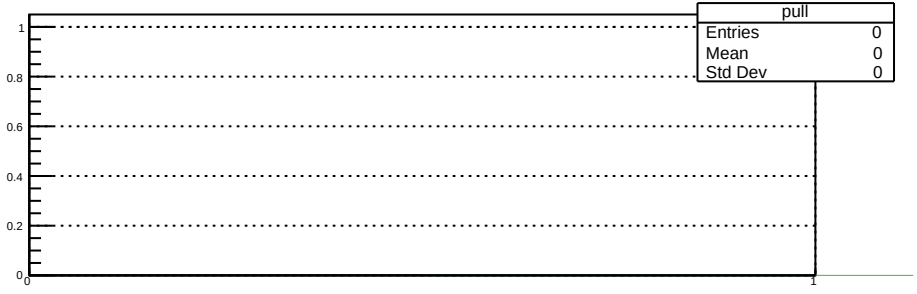
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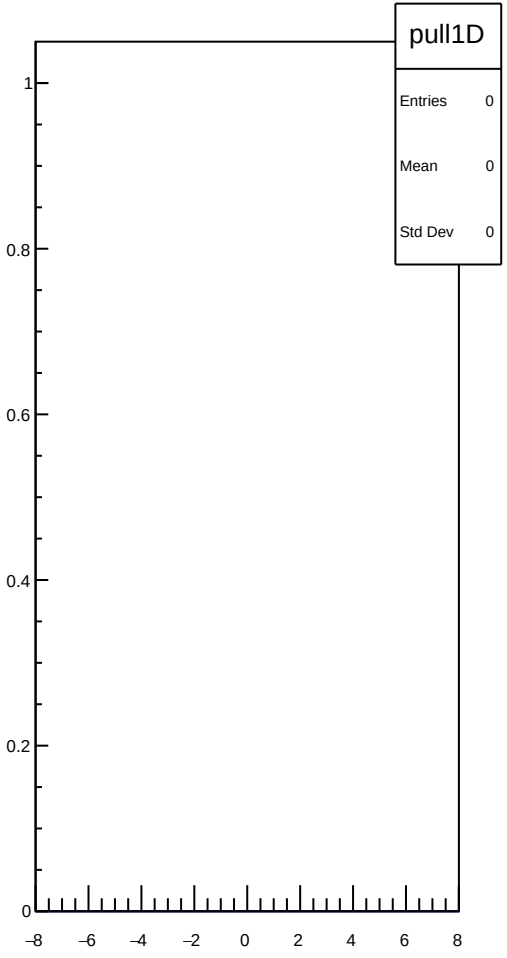
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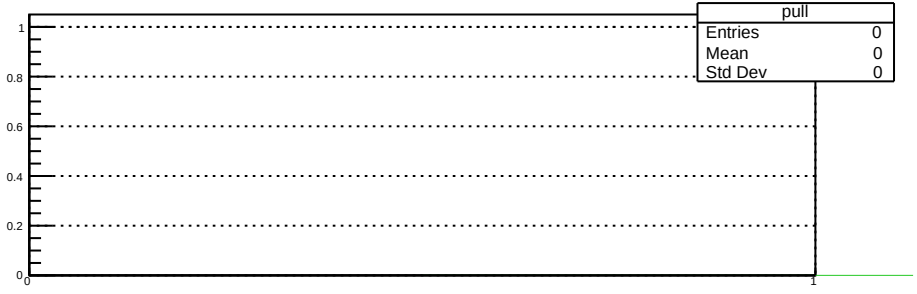
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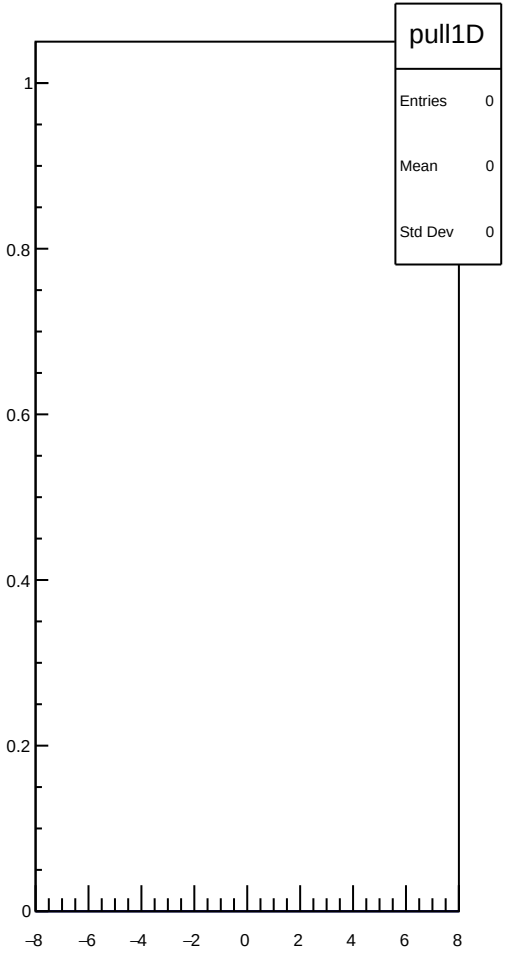
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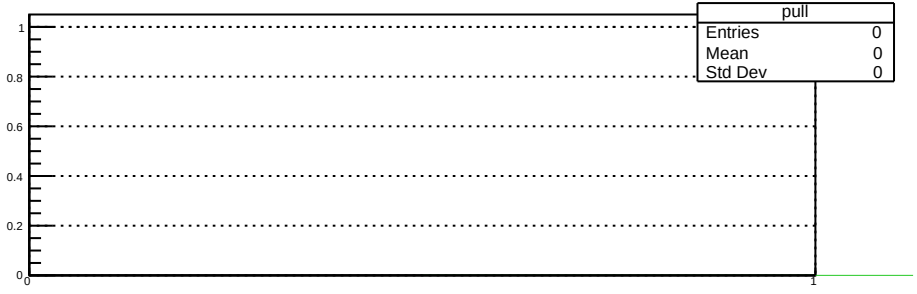
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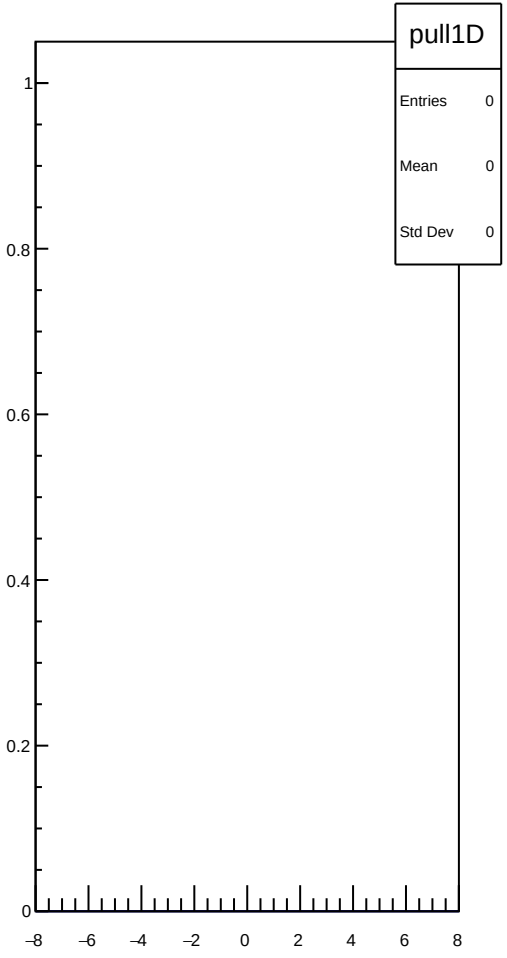
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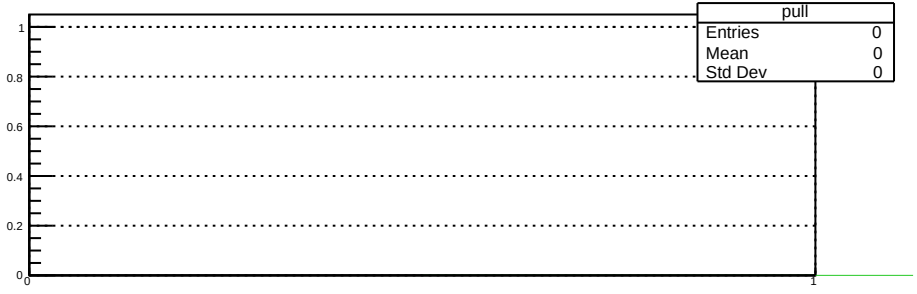
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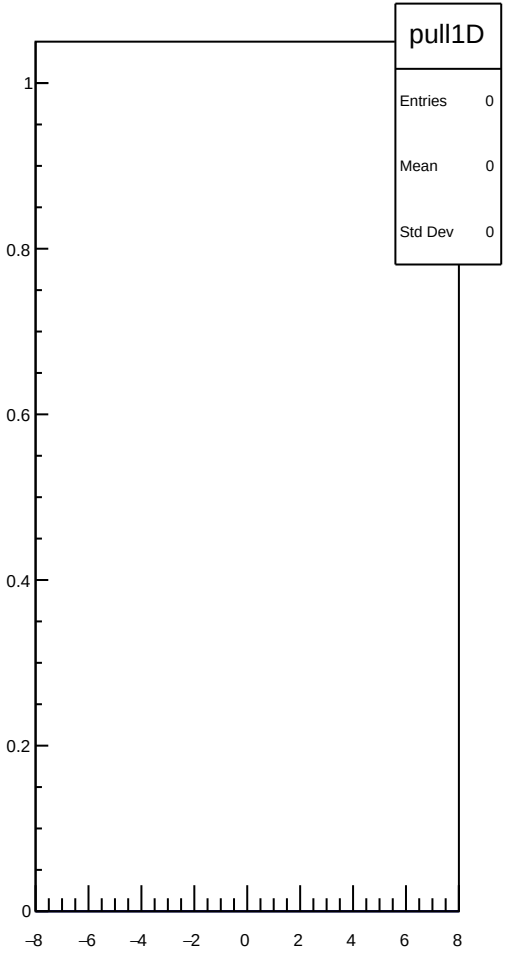
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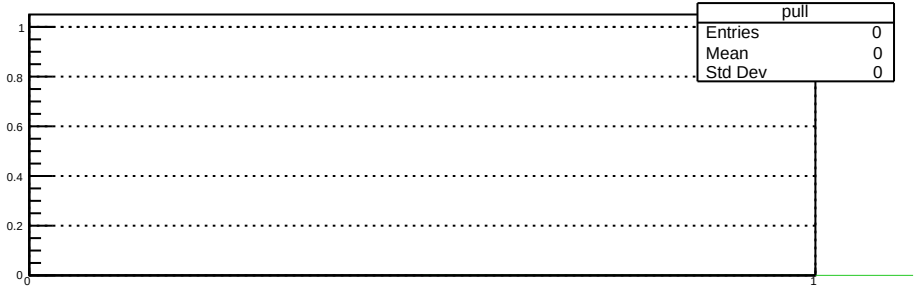
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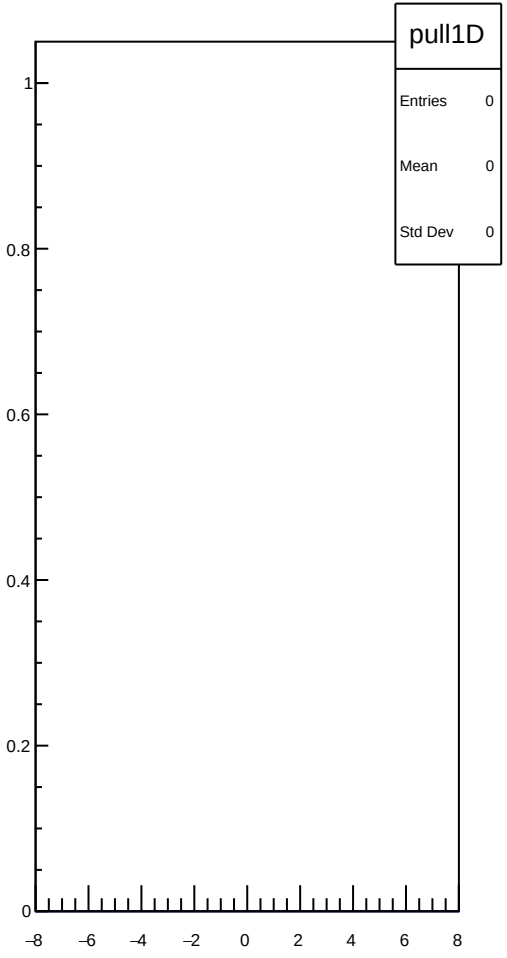
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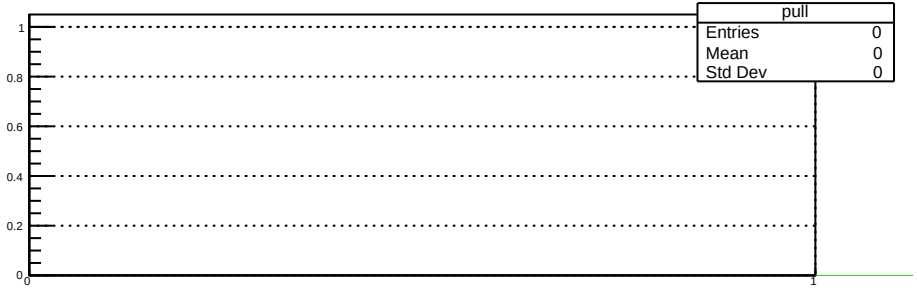
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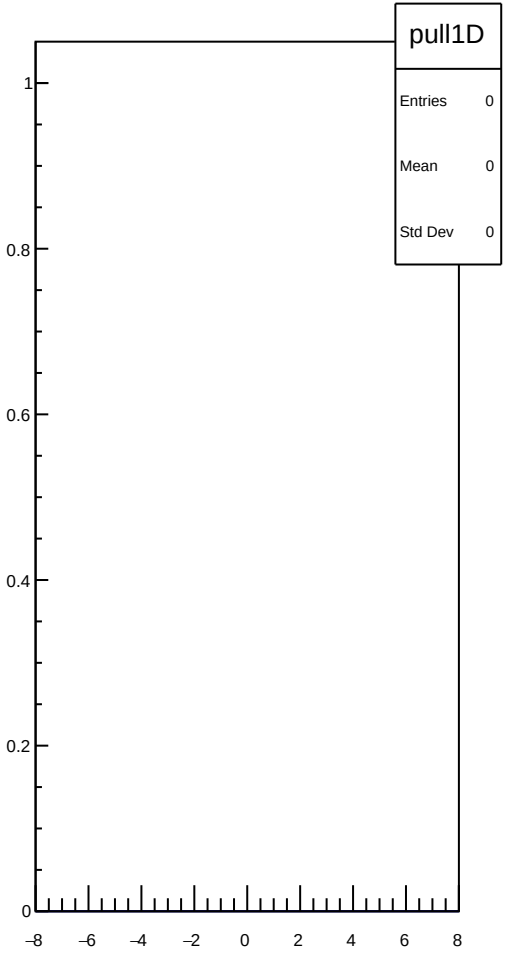
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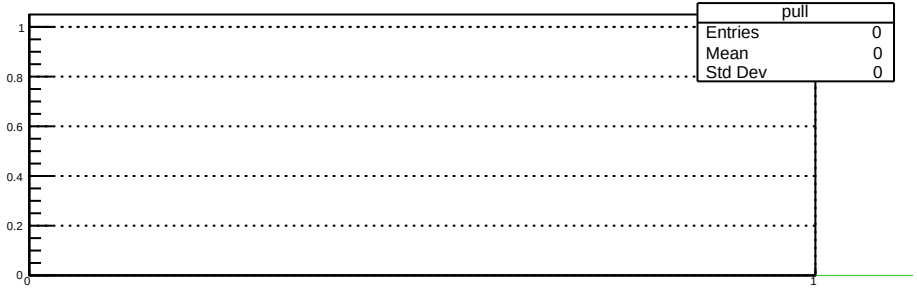
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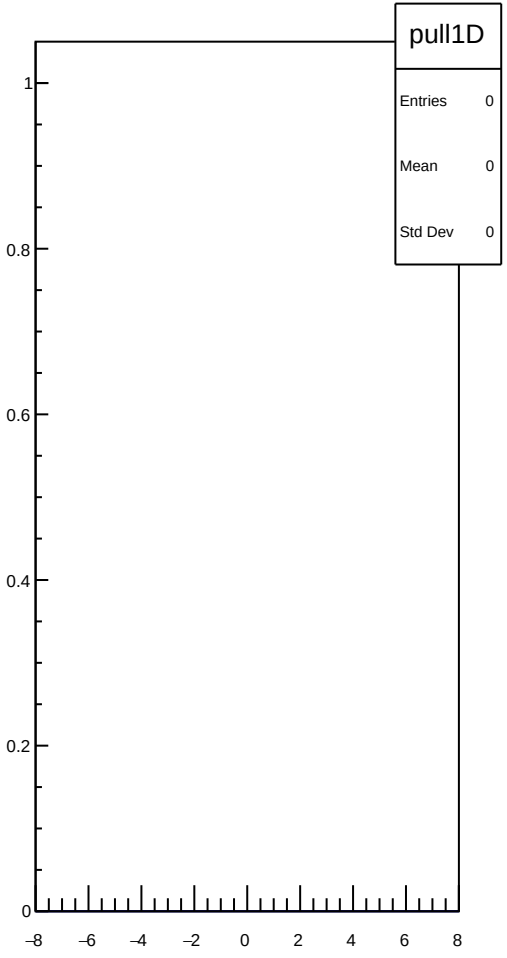
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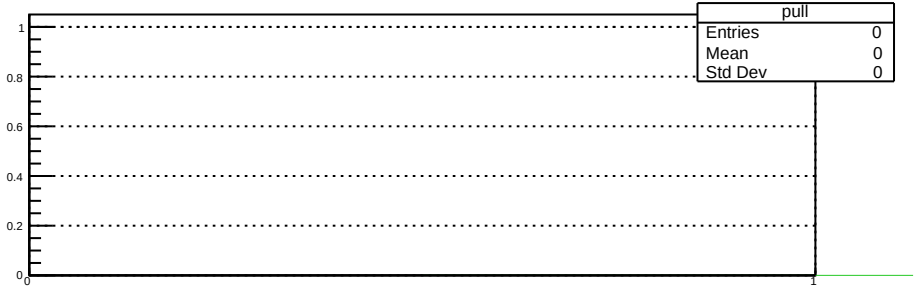
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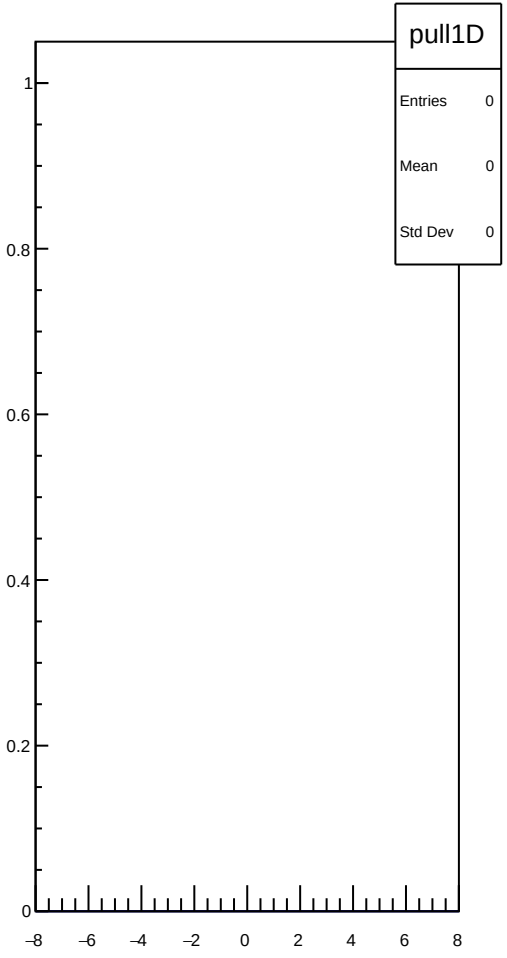
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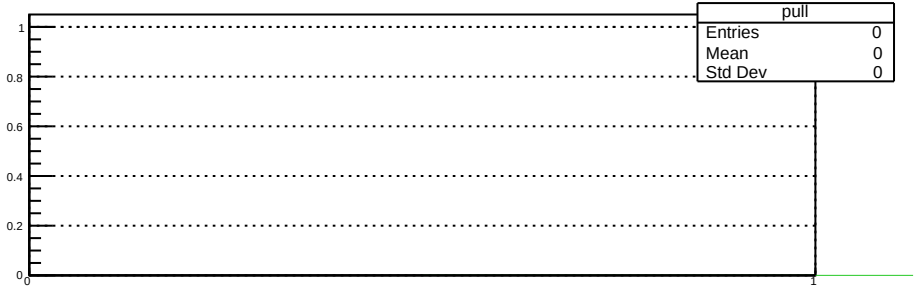
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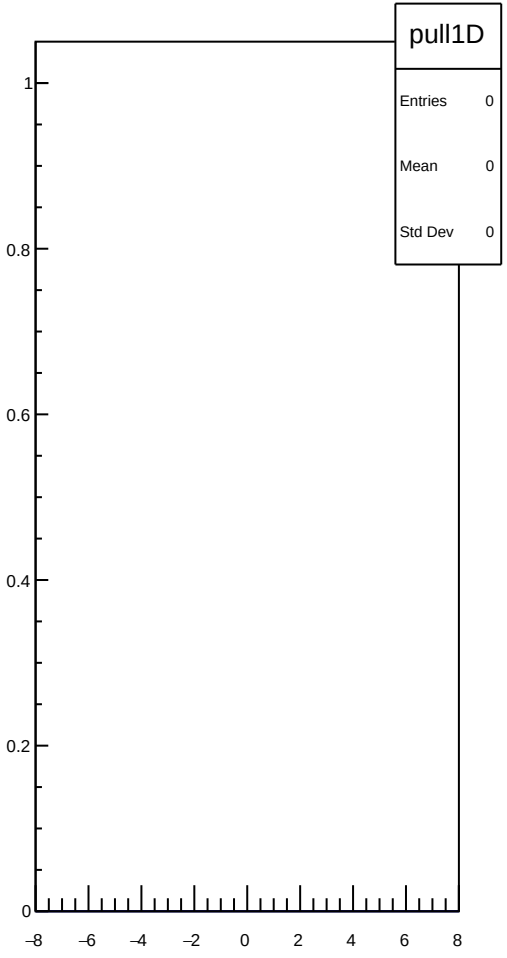
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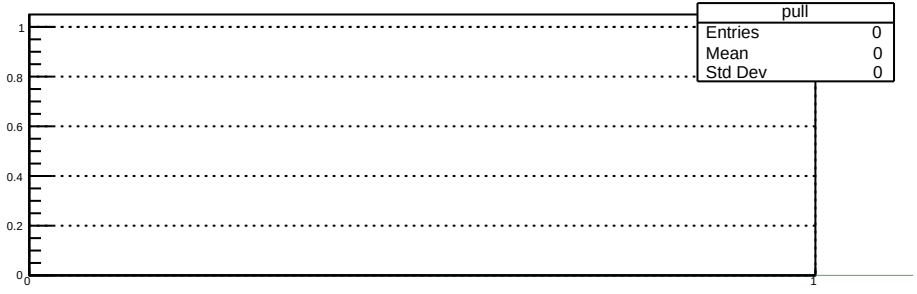
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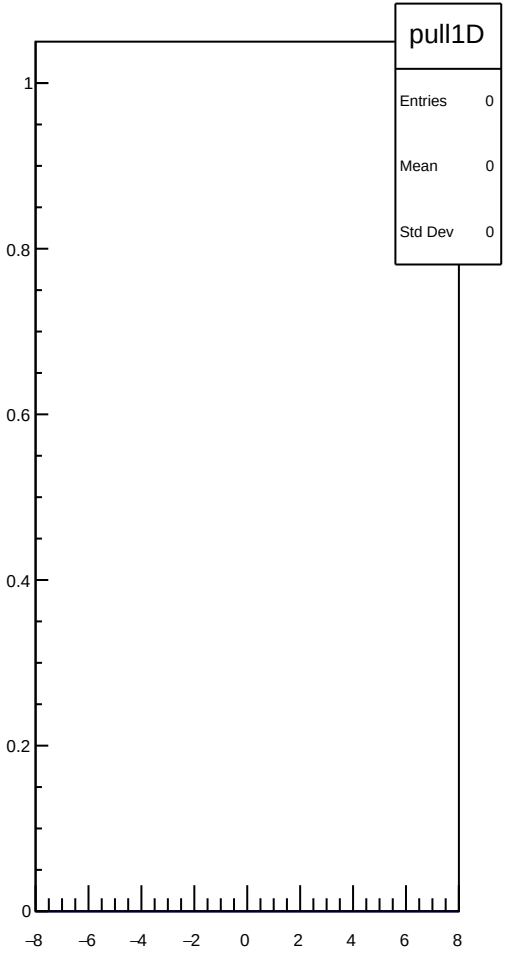
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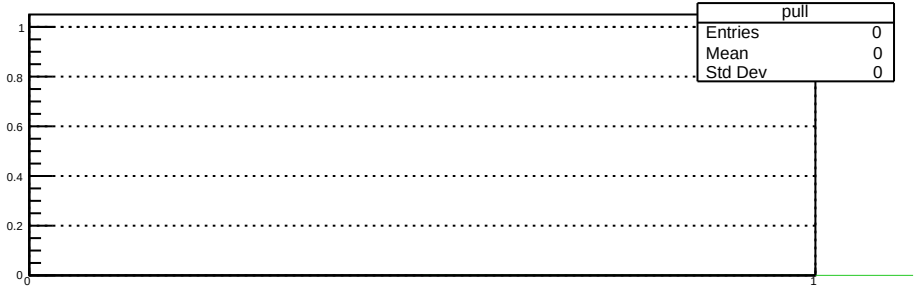
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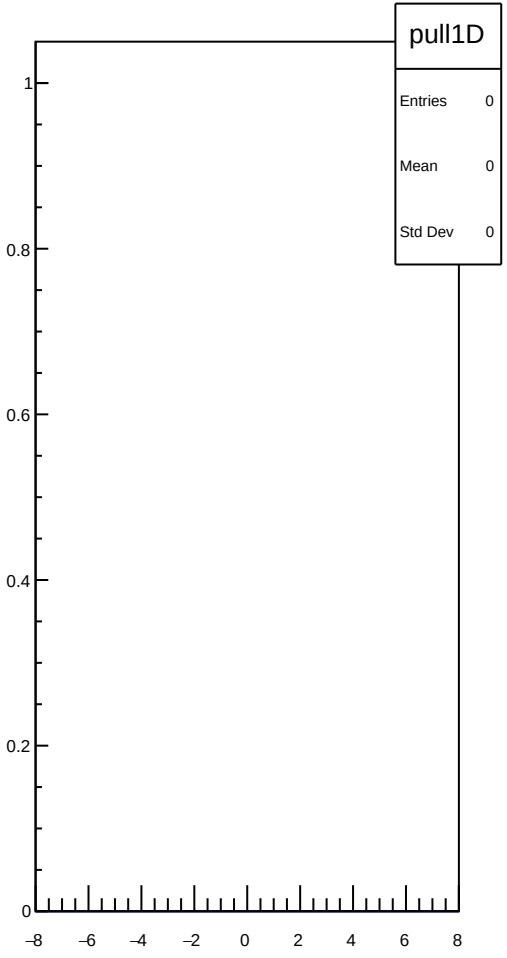
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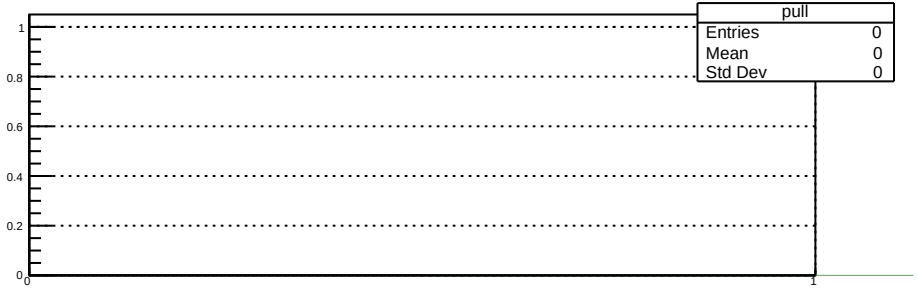
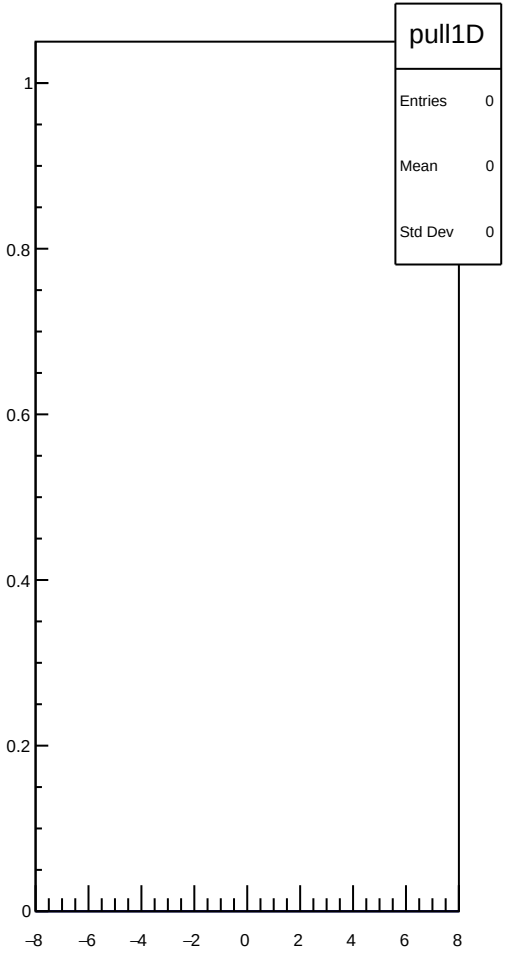
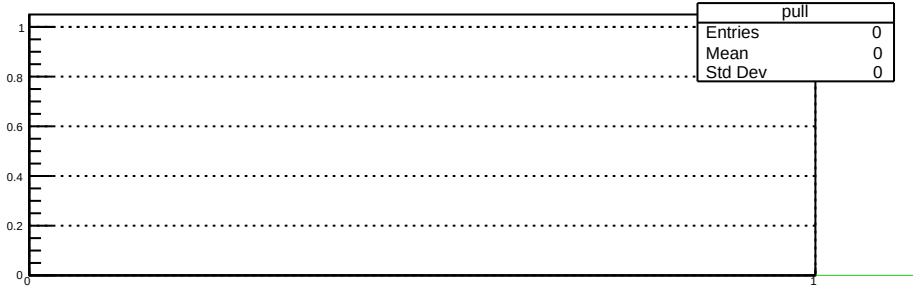
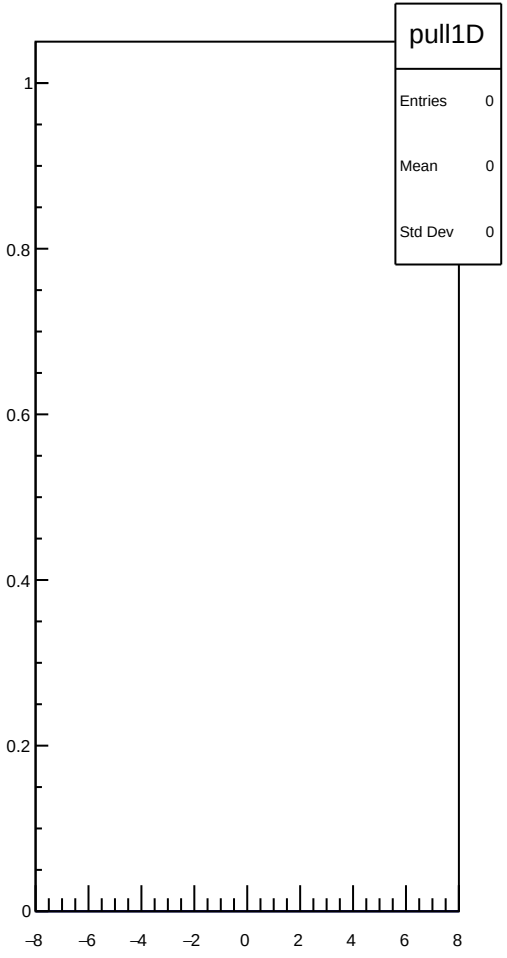
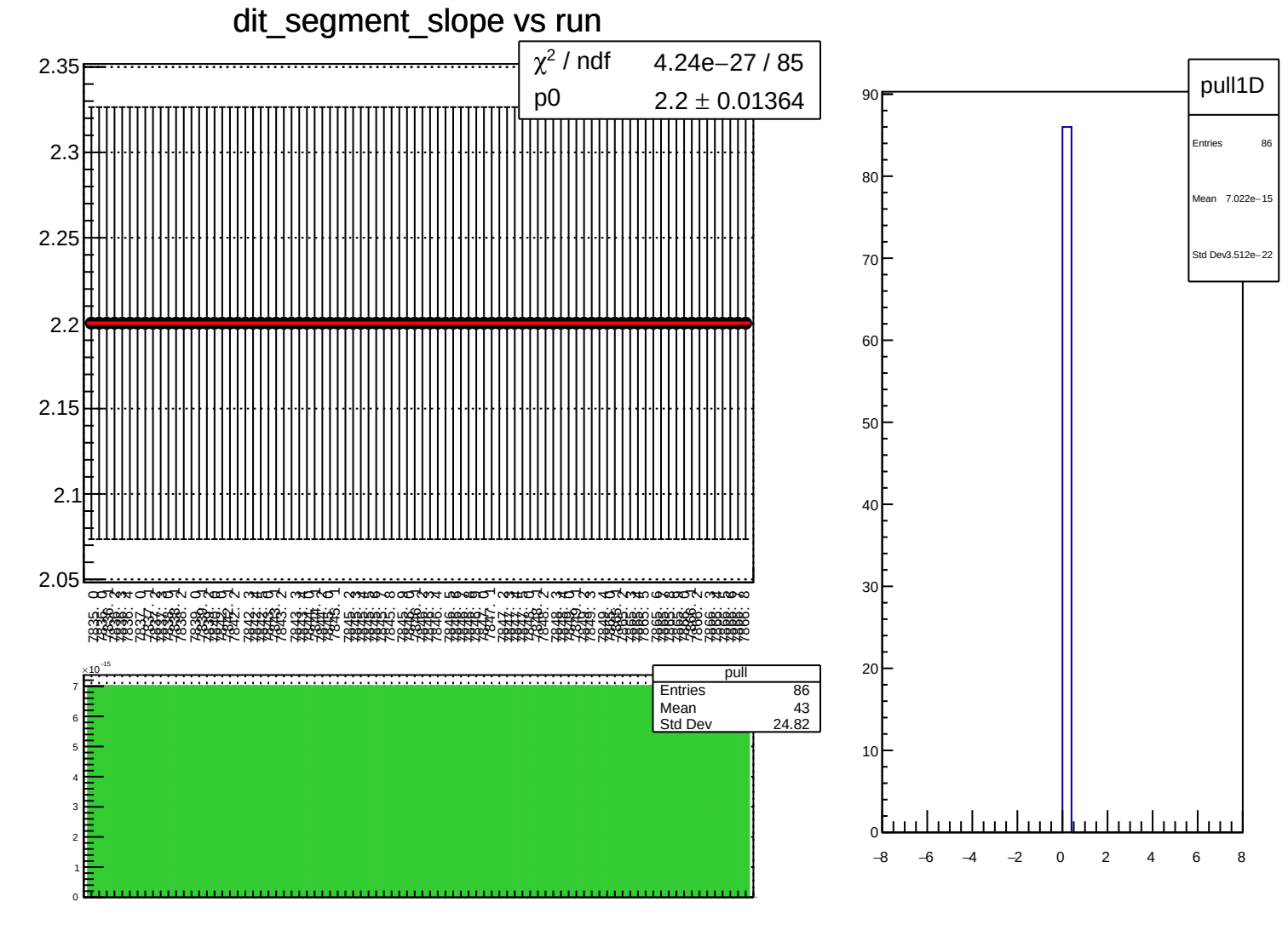
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

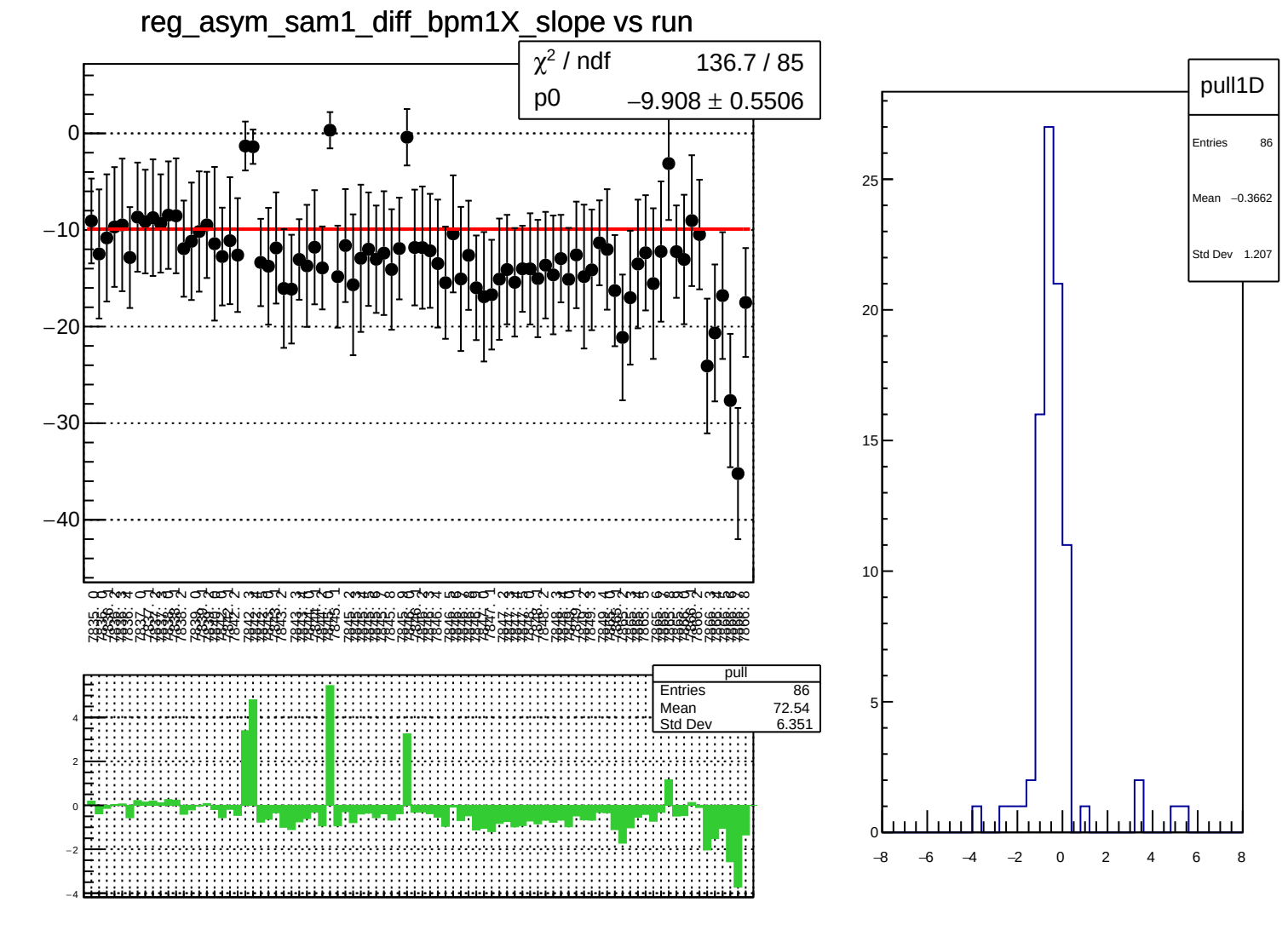

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

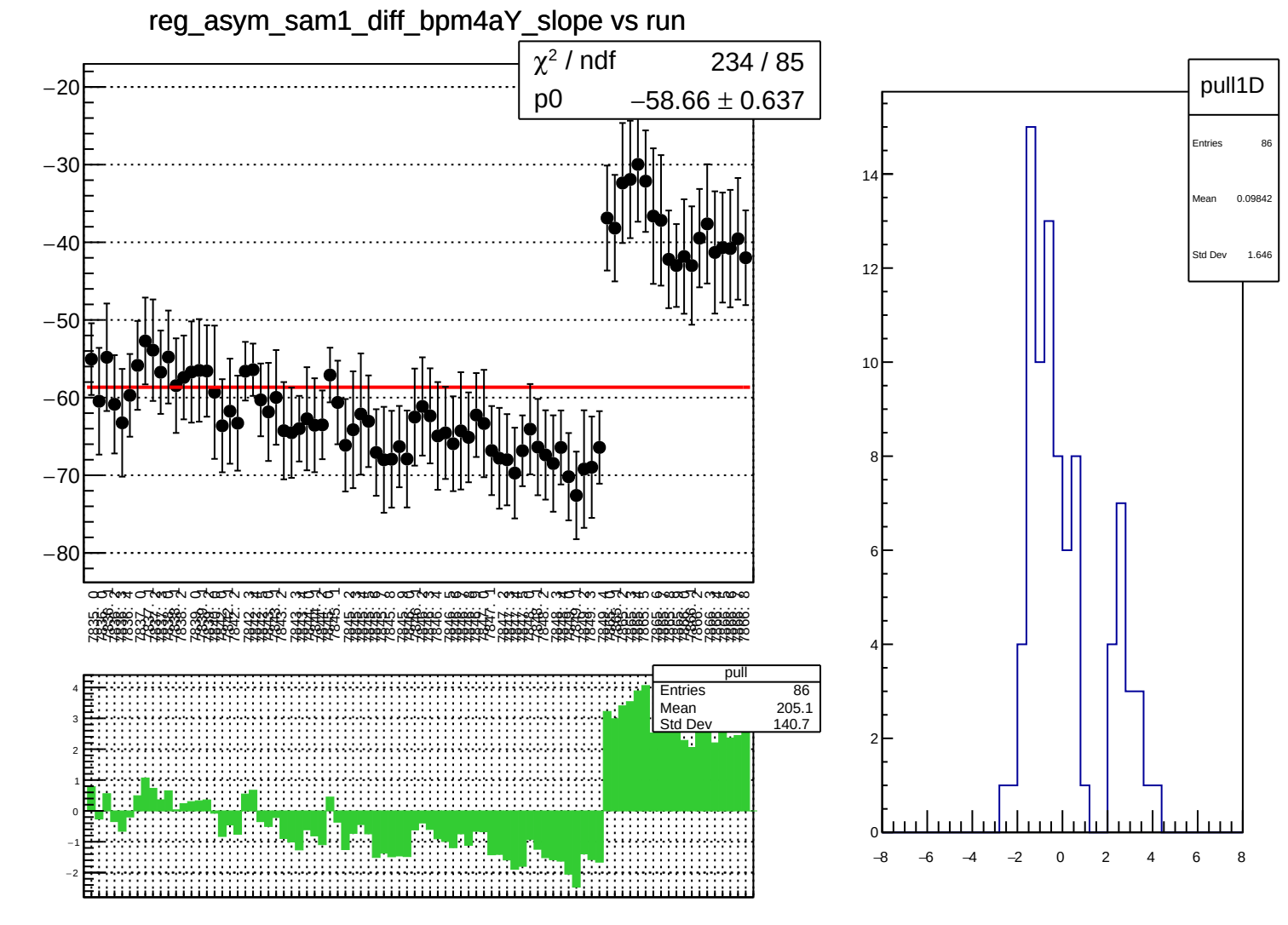

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

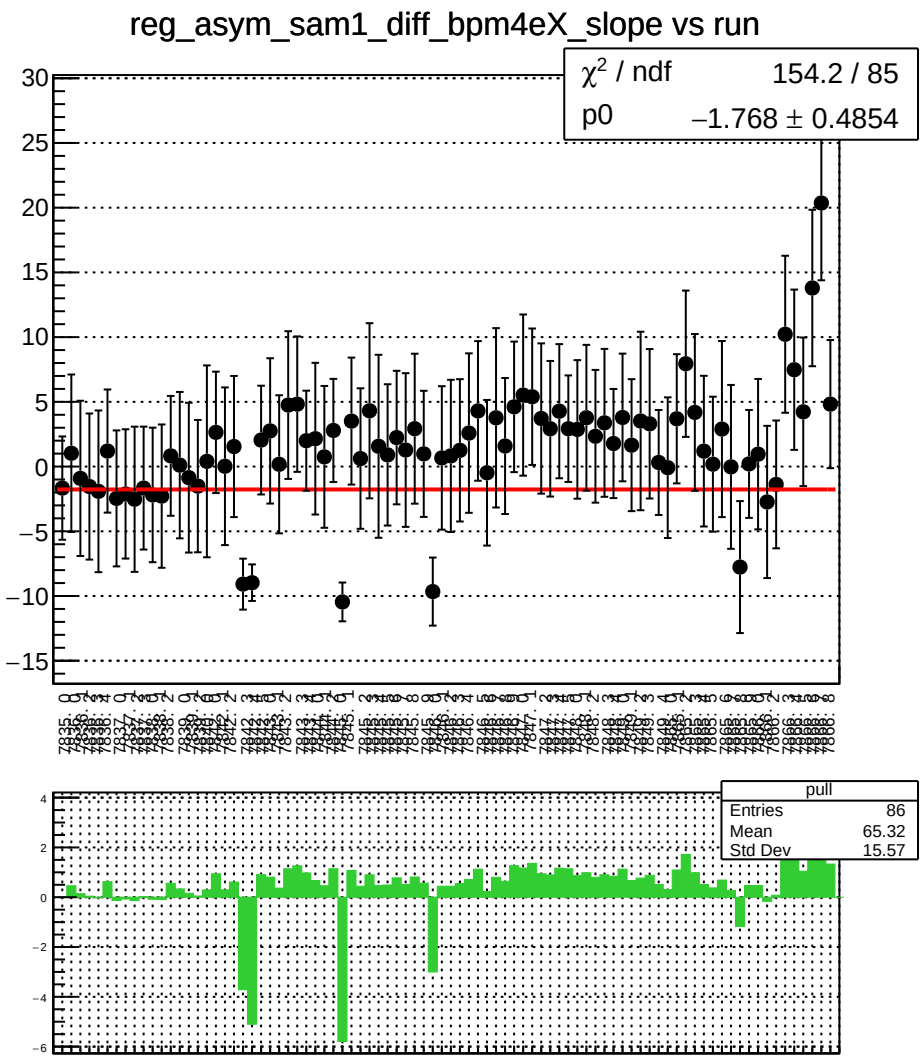

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

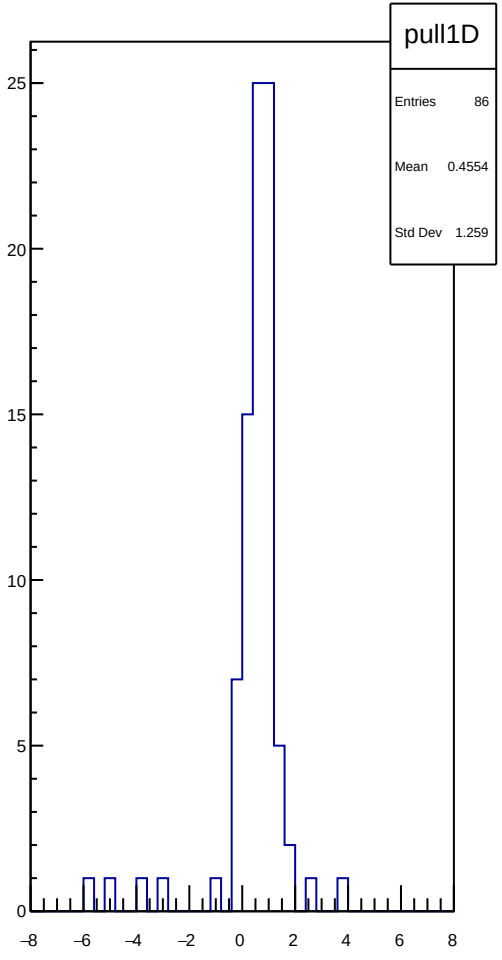

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

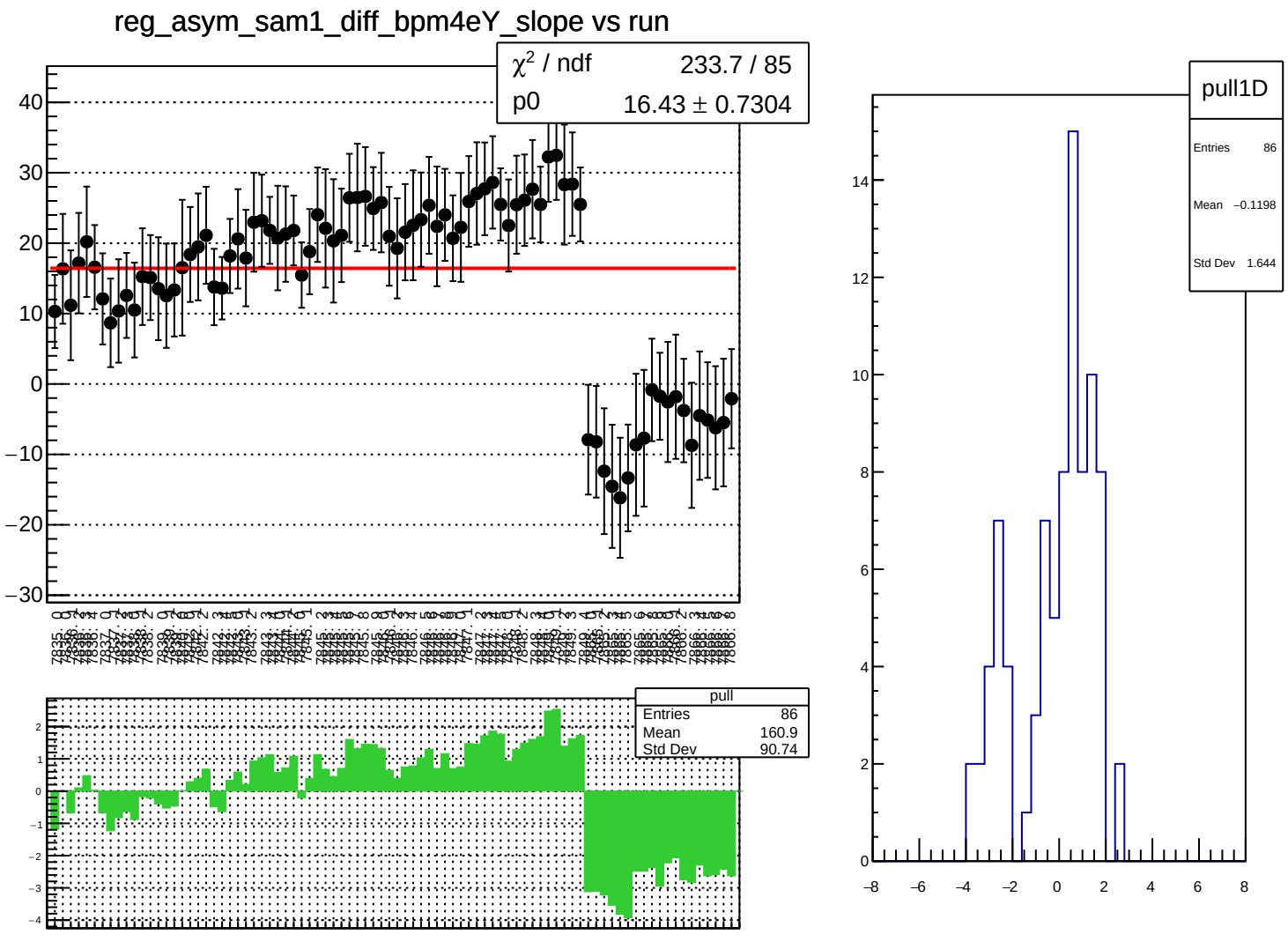

dit_segment_slope vs run
χ² / ndf 4.24e−27 / 85
p0 2.2 ± 0.01364
2.35
2.3
2.25
2.2
2.15
2.1
2.05
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
7
6
5
4
3
2
1
0
pull1D
Entries 86
Mean 7.022e−15
Std Dev 3.512e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

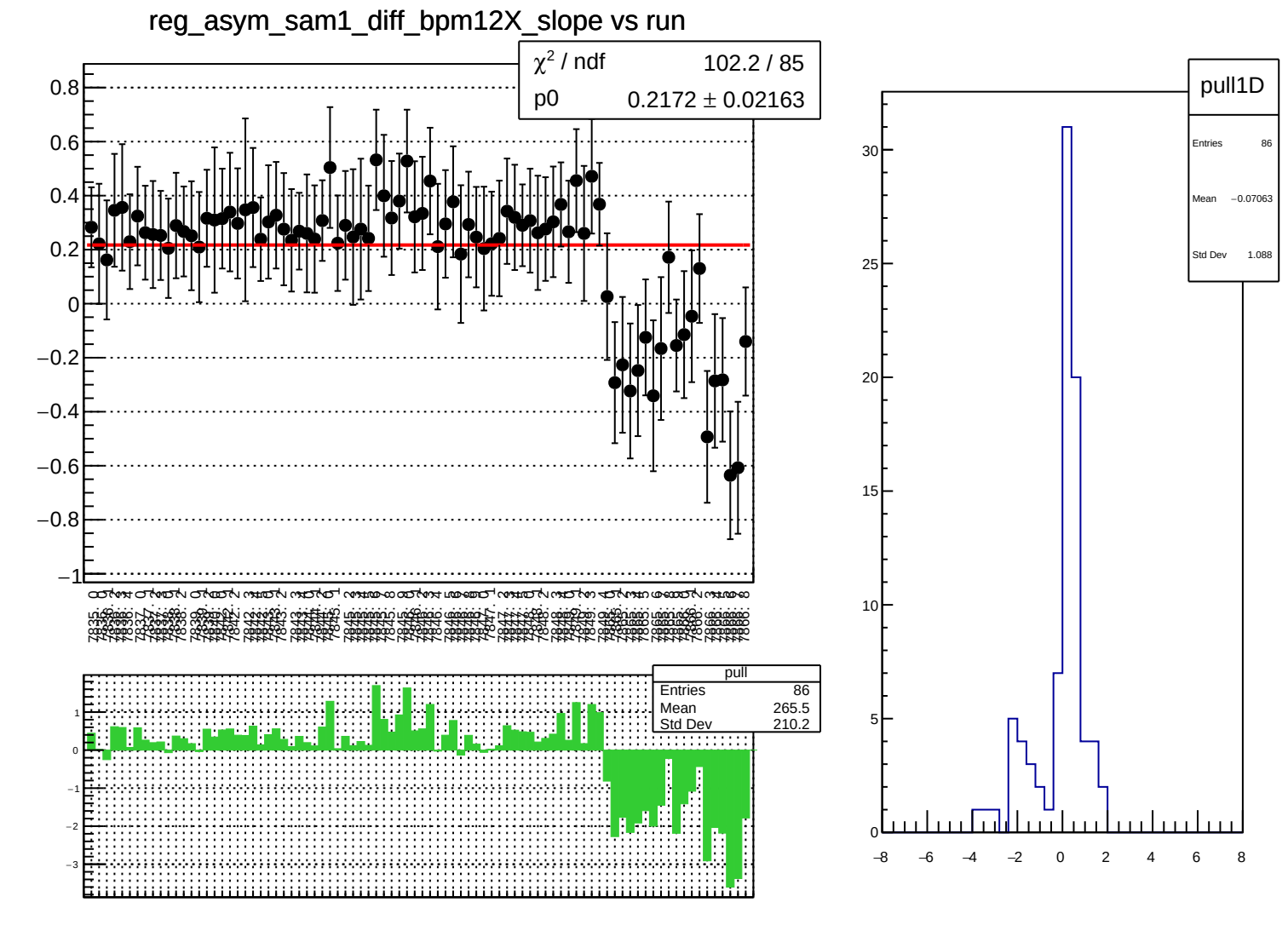

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 136.7 / 85
p0 −9.908 ± 0.5506
pull
Entries 86
Mean 72.54
Std Dev 6.351
pull1D
Entries 86
Mean −0.3662
Std Dev 1.207

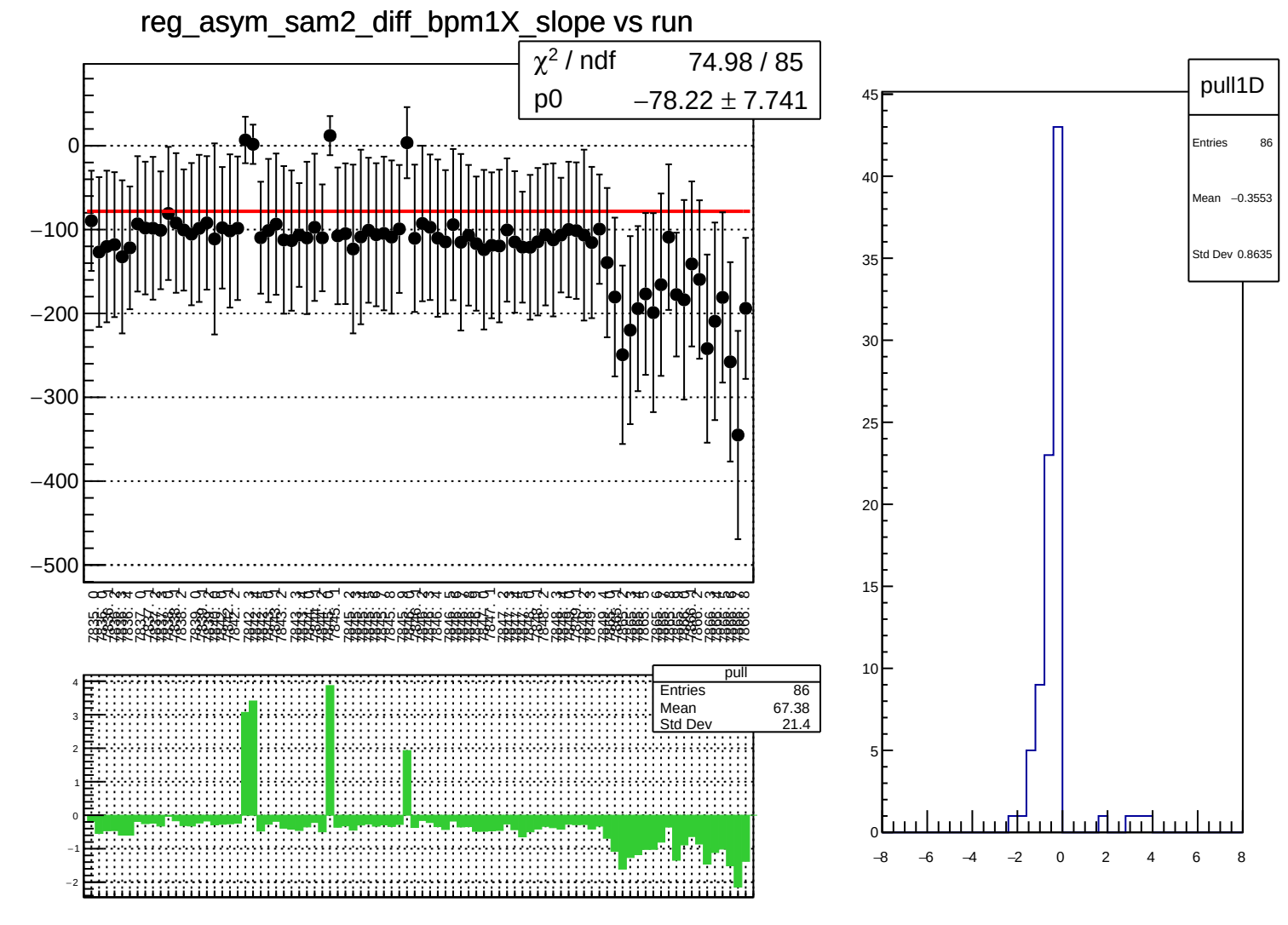

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 234 / 85
p0 −58.66 ± 0.637
pull
Entries 86
Mean 205.1
Std Dev 140.7
pull1D
Entries 86
Mean 0.09842
Std Dev 1.646

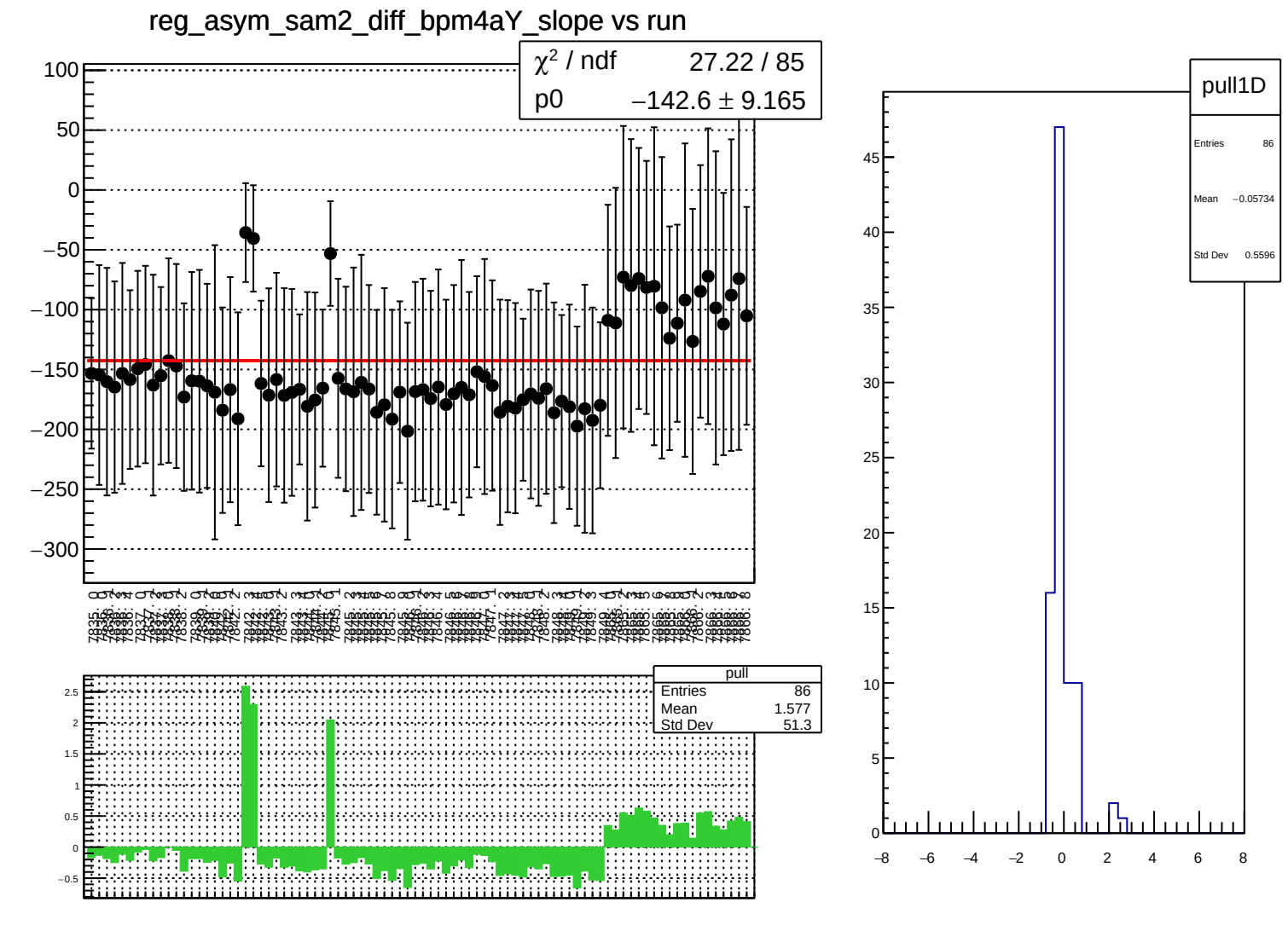

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 154.2 / 85
p0 −1.768 ± 0.4854
pull
Entries 86
Mean 65.32
Std Dev 15.57

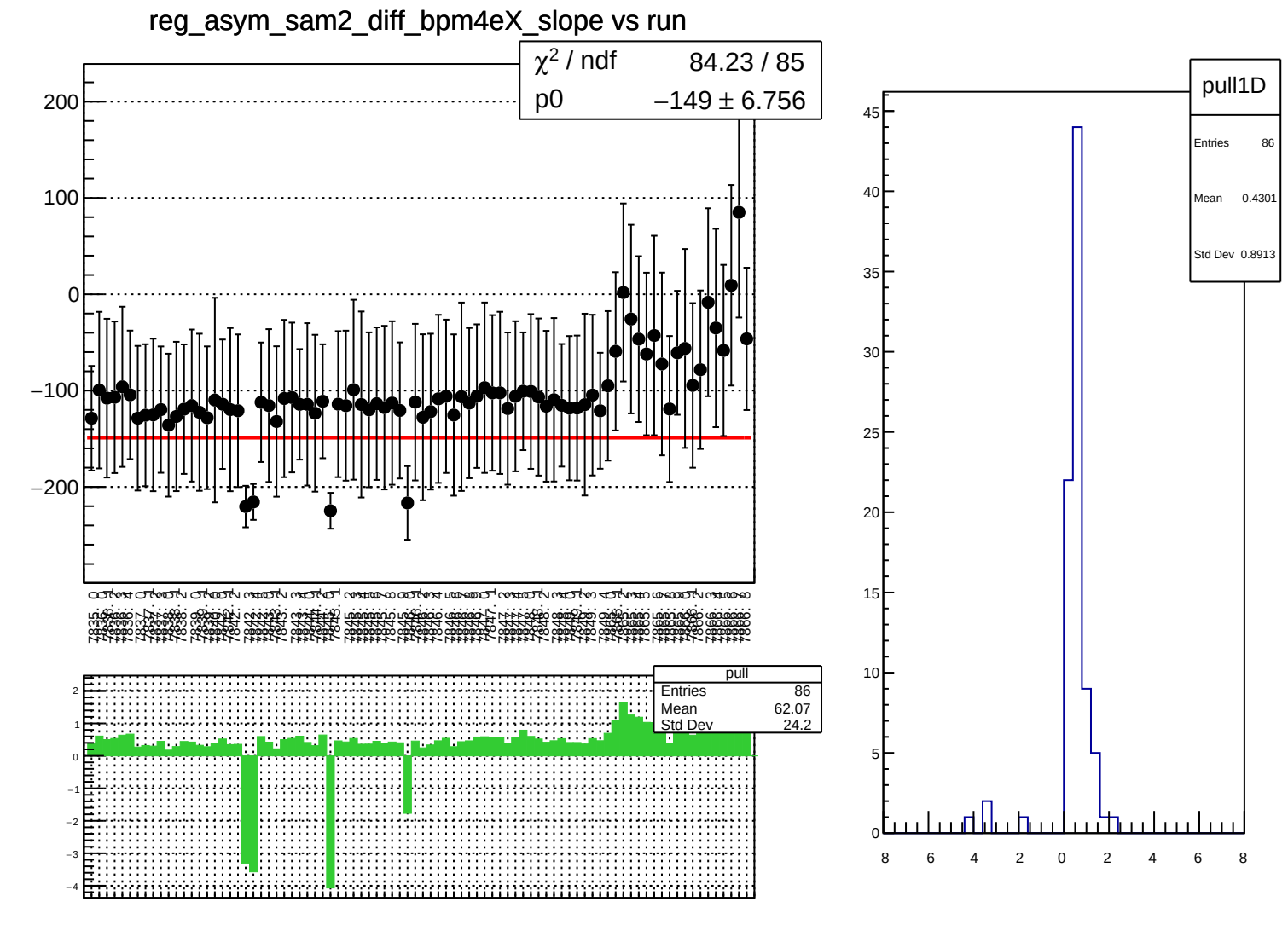

pull1D
Entries 86
Mean 0.4554
Std Dev 1.259

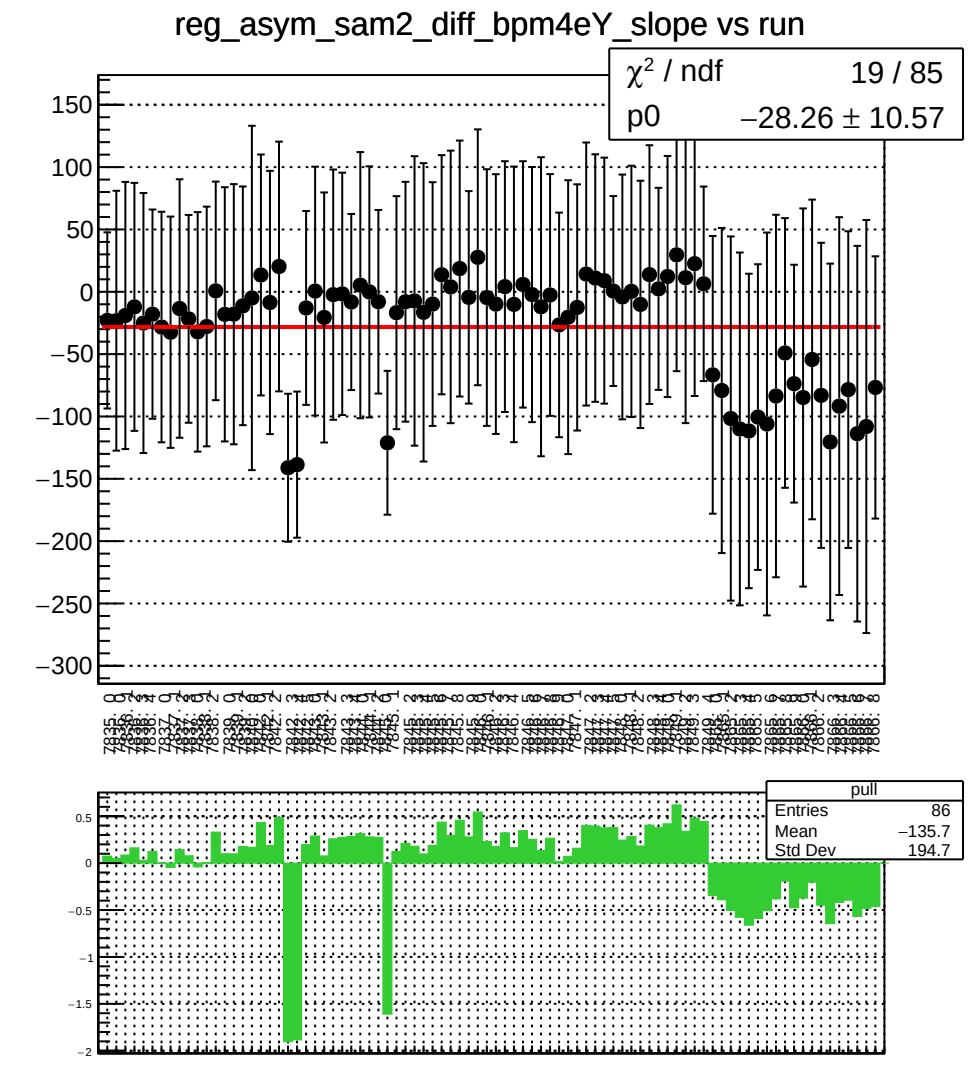

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 233.7 / 85
p0 16.43 ± 0.7304
pull
Entries 86
Mean 160.9
Std Dev 90.74
pull1D
Entries 86
Mean −0.1198
Std Dev 1.644

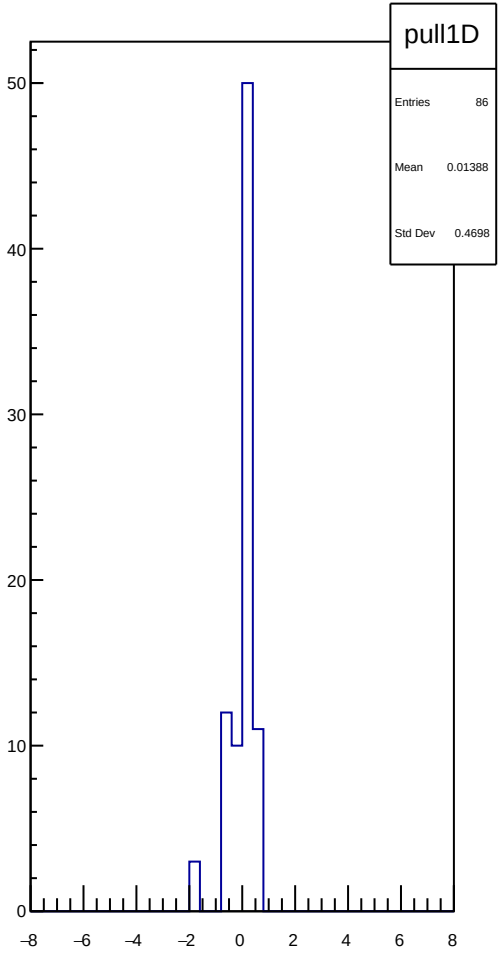

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 102.2 / 85
p0 0.2172 ± 0.02163
pull
Entries 86
Mean 265.5
Std Dev 210.2
pull1D
Entries 86
Mean −0.07063
Std Dev 1.088

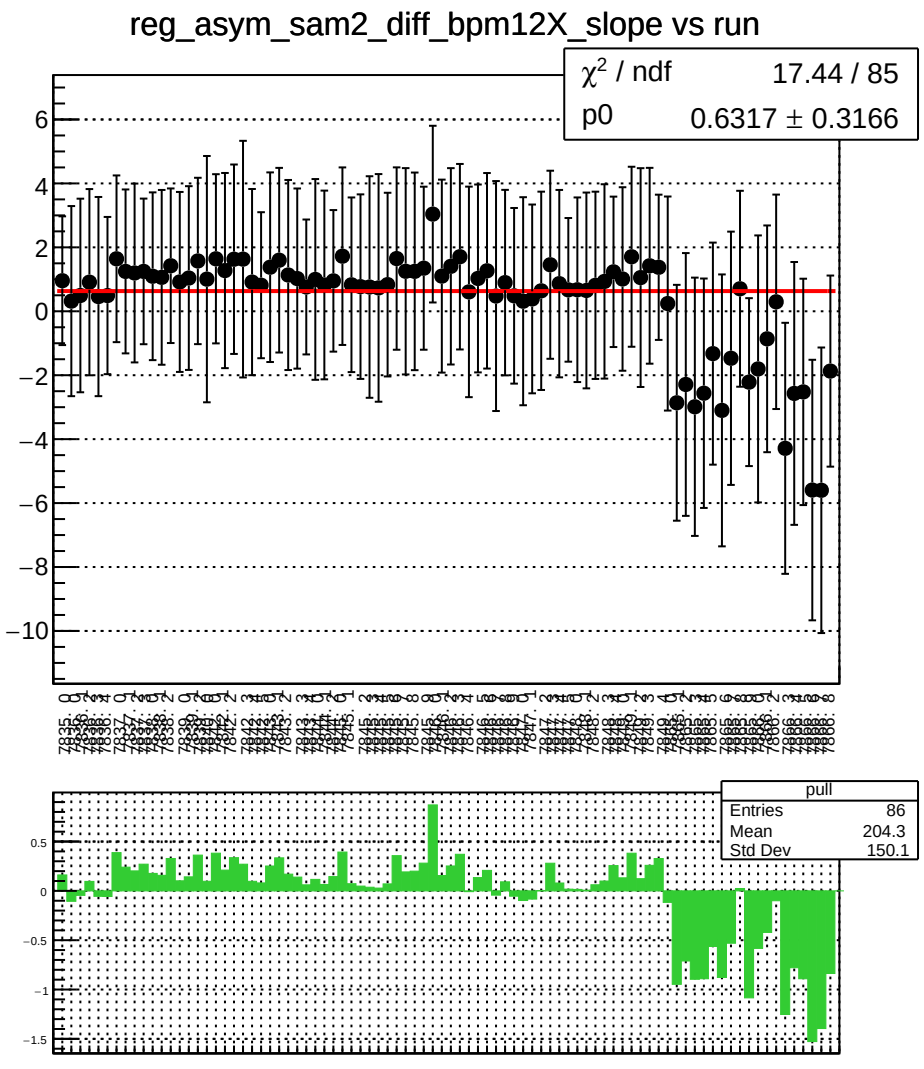

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 74.98 / 85
p0 −78.22 ± 7.741
pull
Entries 86
Mean 67.38
Std Dev 21.4
pull1D
Entries 86
Mean −0.3553
Std Dev 0.8635

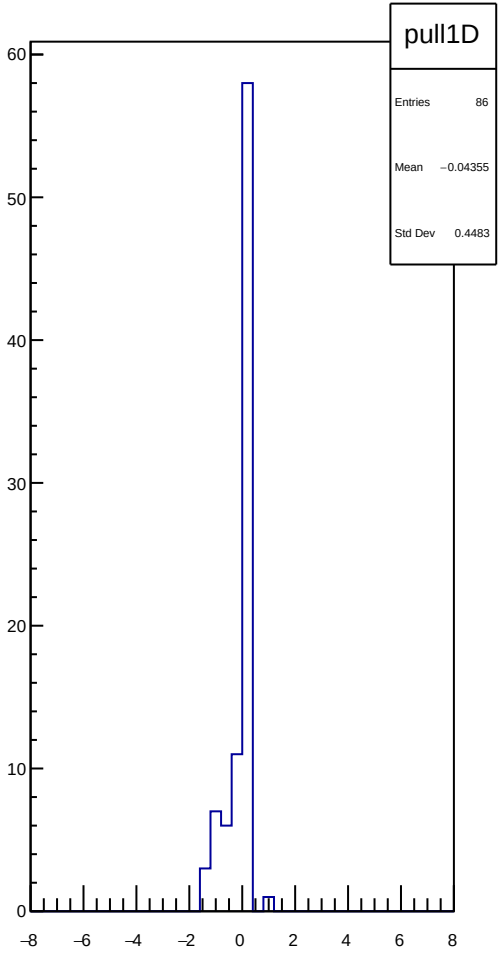

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 27.22 / 85
p0 −142.6 ± 9.165
pull
Entries 86
Mean 1.577
Std Dev 51.3
pull1D
Entries 86
Mean −0.05734
Std Dev 0.5596

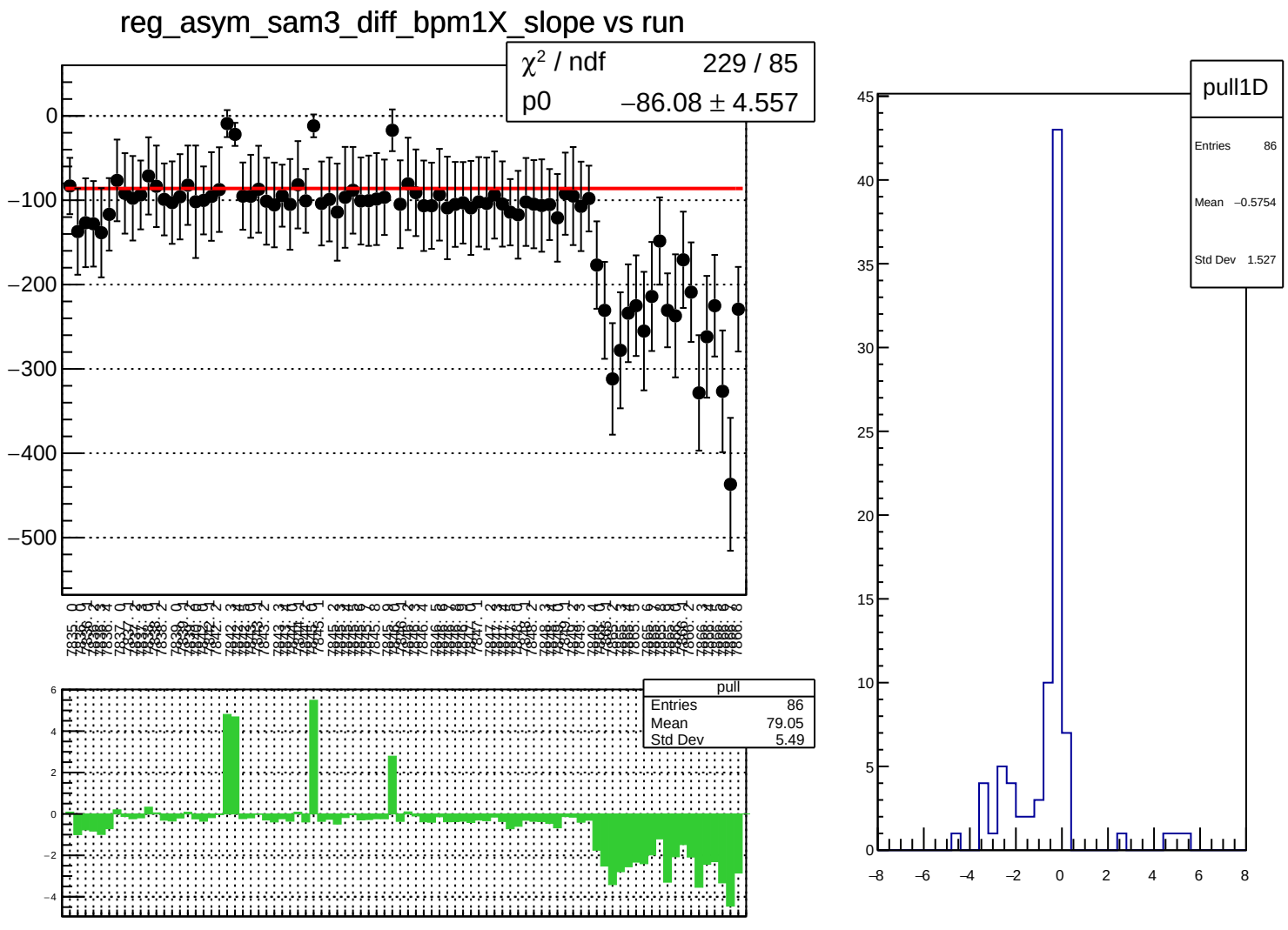

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 84.23 / 85
p0 −149 ± 6.756
200
100
0
−100
−200
pull
Entries 86
Mean 62.07
Std Dev 24.2
2
1
0
−1
−2
−3
−4
pull1D
Entries 86
Mean 0.4301
Std Dev 0.8913
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

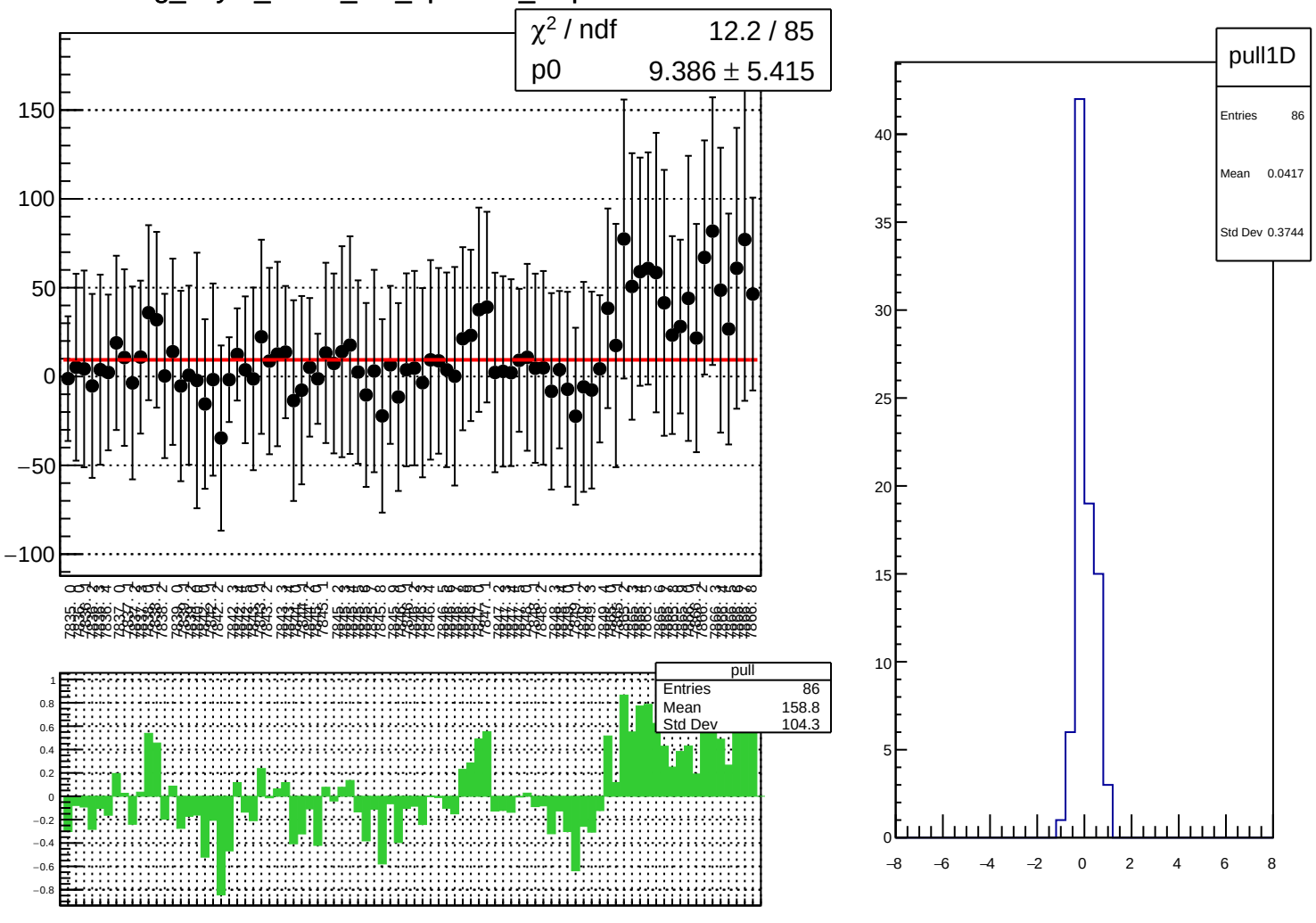

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 19 / 85
p0 −28.26 ± 10.57
pull
Entries 86
Mean −135.7
Std Dev 194.7

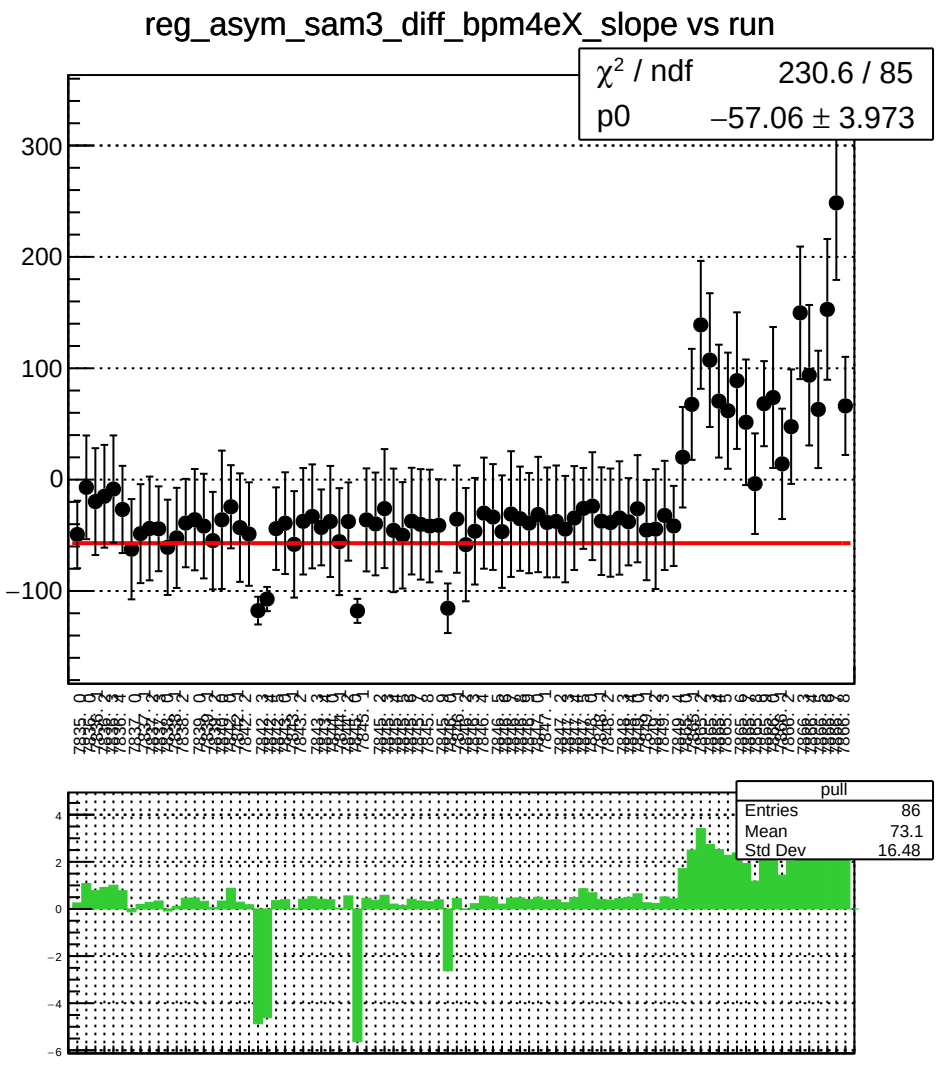

pull1D
Entries 86
Mean 0.01388
Std Dev 0.4698

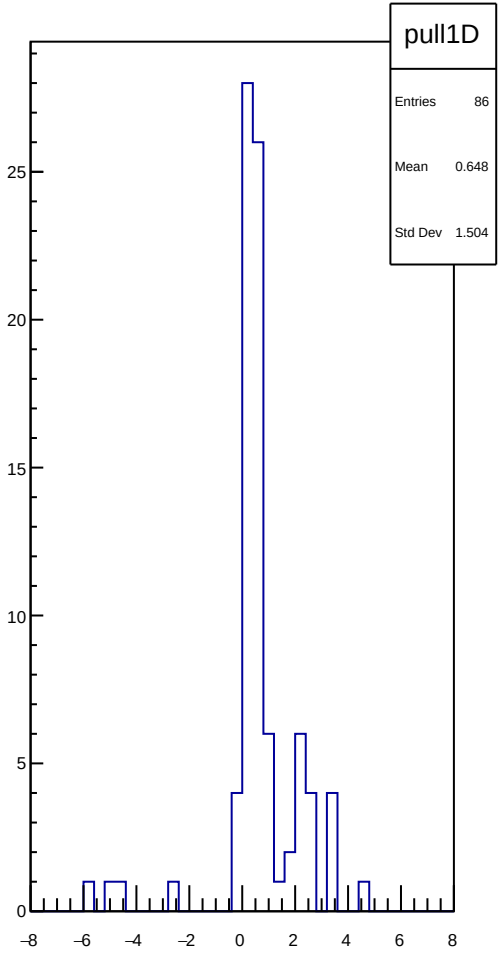

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 17.44 / 85
p0 0.6317 ± 0.3166
pull
Entries 86
Mean 204.3
Std Dev 150.1

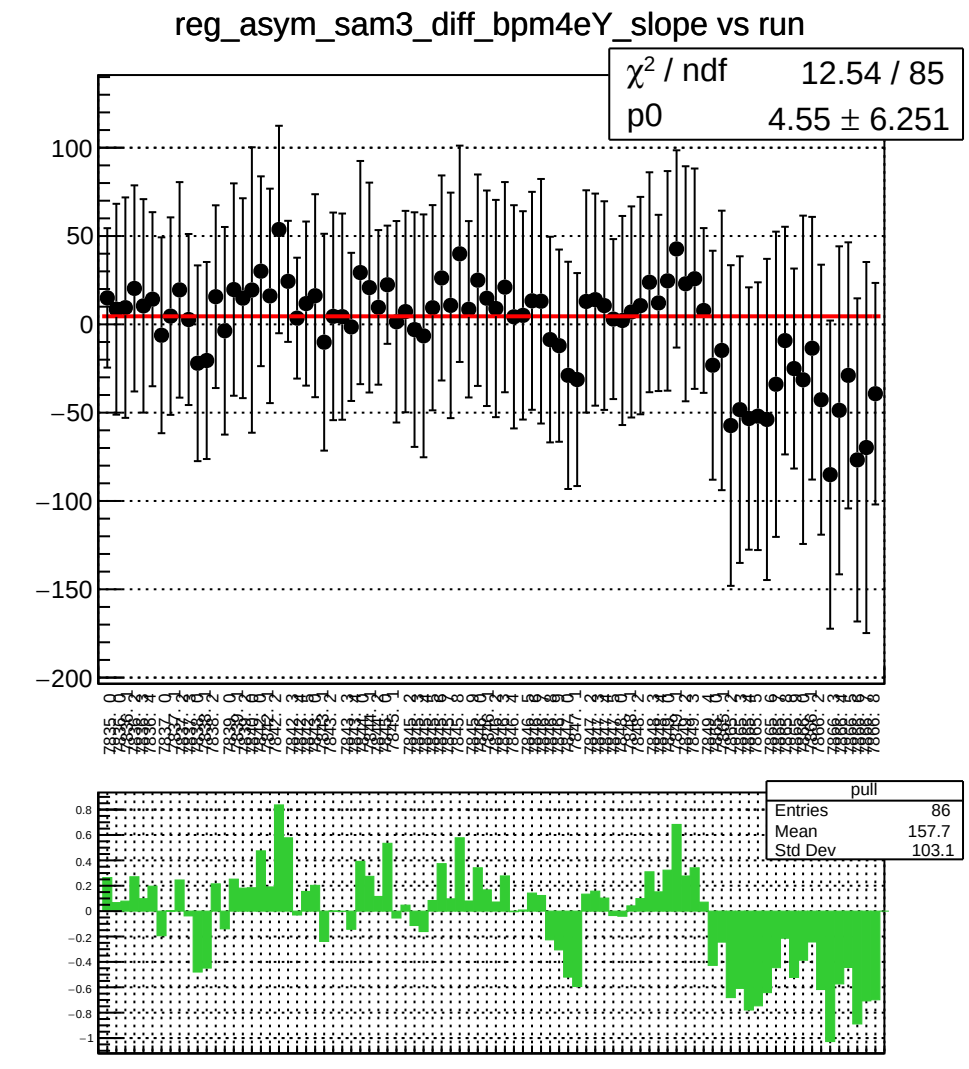

pull1D
Entries 86
Mean −0.04355
Std Dev 0.4483

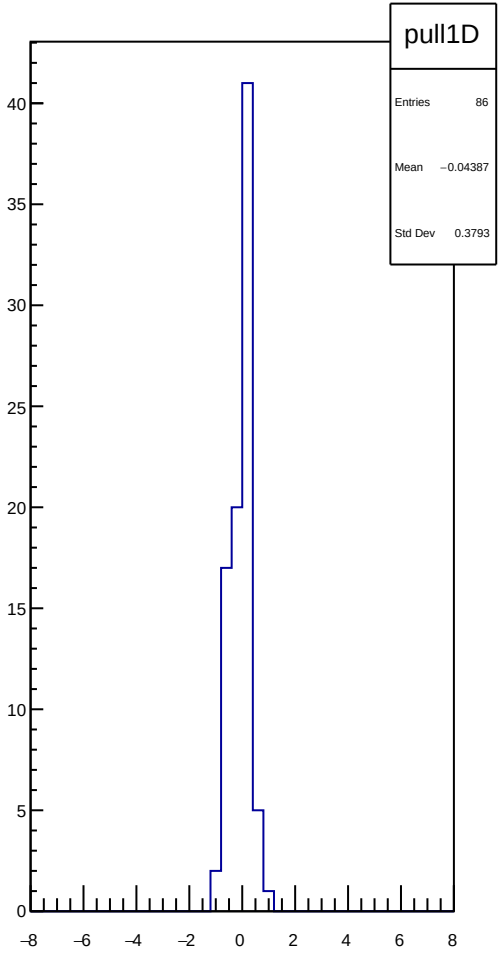

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 229 / 85
p0 −86.08 ± 4.557
0
−100
−200
−300
−400
−500
pull
Entries 86
Mean 79.05
Std Dev 5.49
6
4
2
0
−2
−4
pull1D
Entries 86
Mean −0.5754
Std Dev 1.527
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

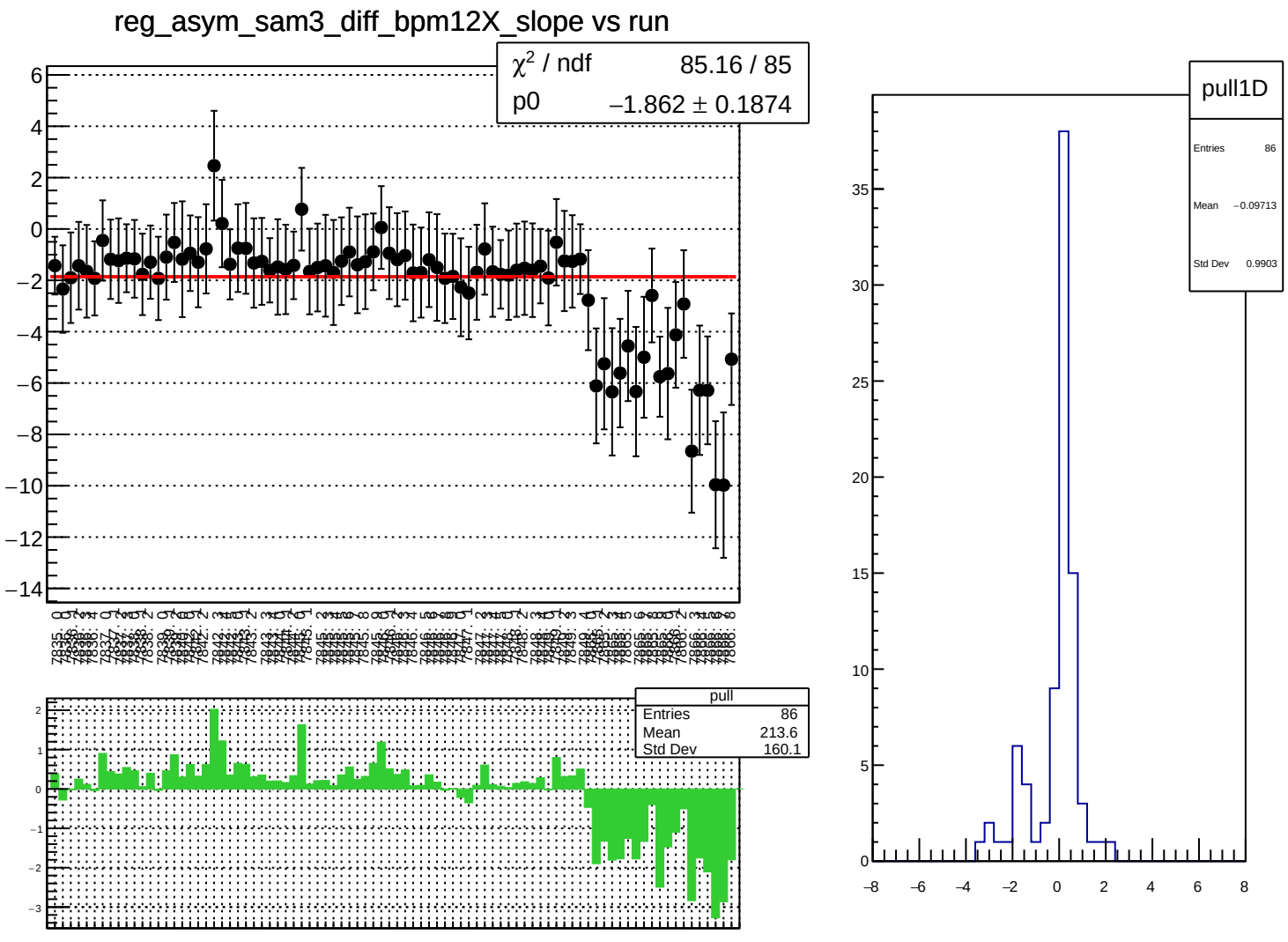

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 12.2 / 85
p0 9.386 ± 5.415
150
100
50
0
−50
−100
pull
Entries 86
Mean 158.8
Std Dev 104.3
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 86
Mean 0.0417
Std Dev 0.3744
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

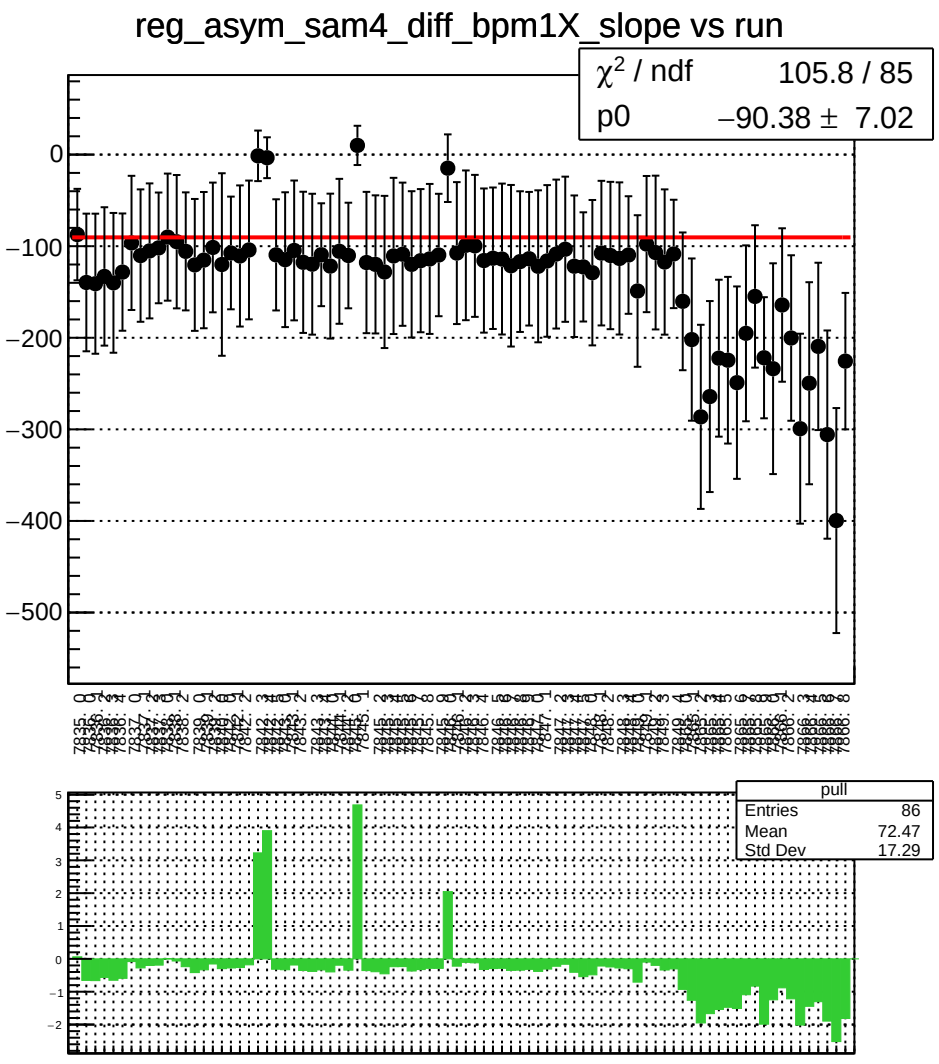

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 230.6 / 85
p0 −57.06 ± 3.973
300
200
100
0
−100
pull
Entries 86
Mean 73.1
Std Dev 16.48
4
2
0
−2
−4
−6

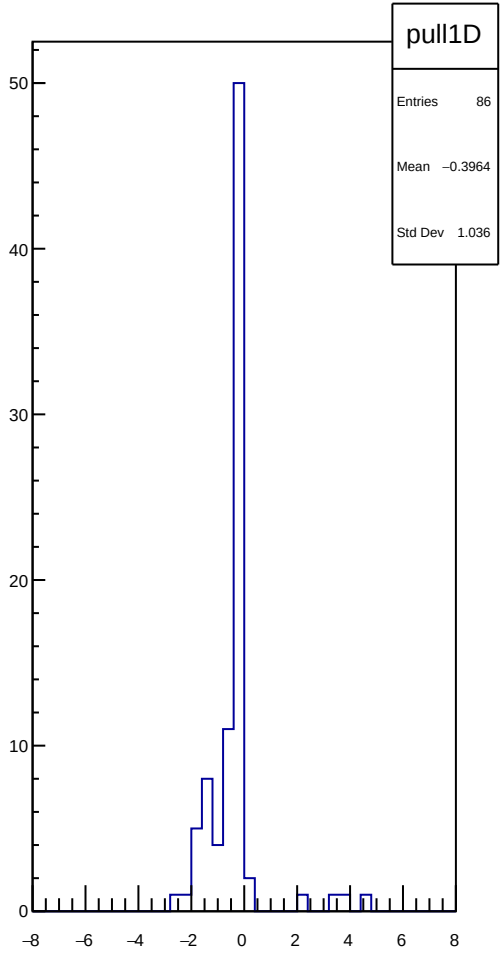

pull1D
Entries 86
Mean 0.648
Std Dev 1.504
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

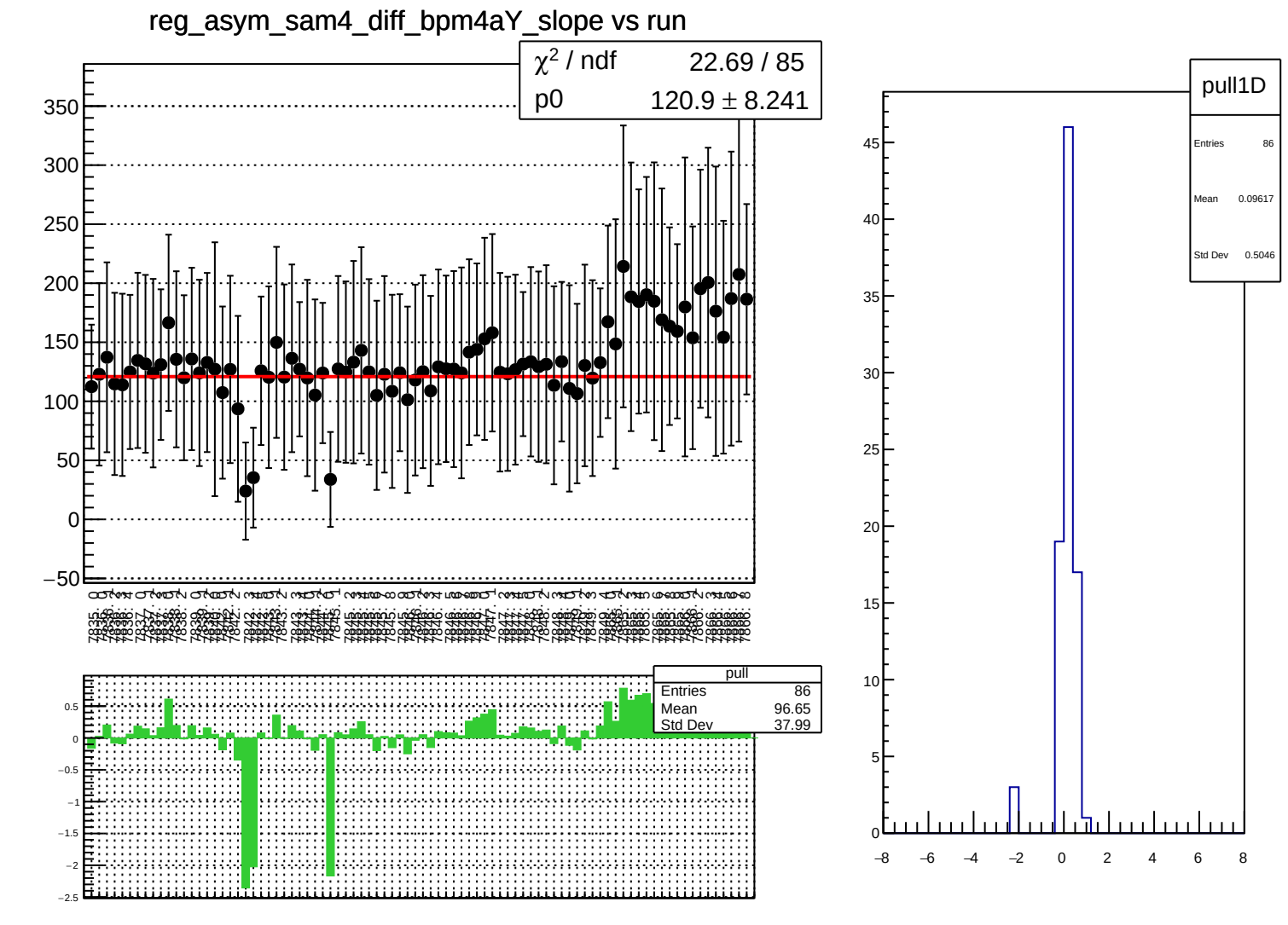

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 12.54 / 85
p0 4.55 ± 6.251
pull
Entries 86
Mean 157.7
Std Dev 103.1

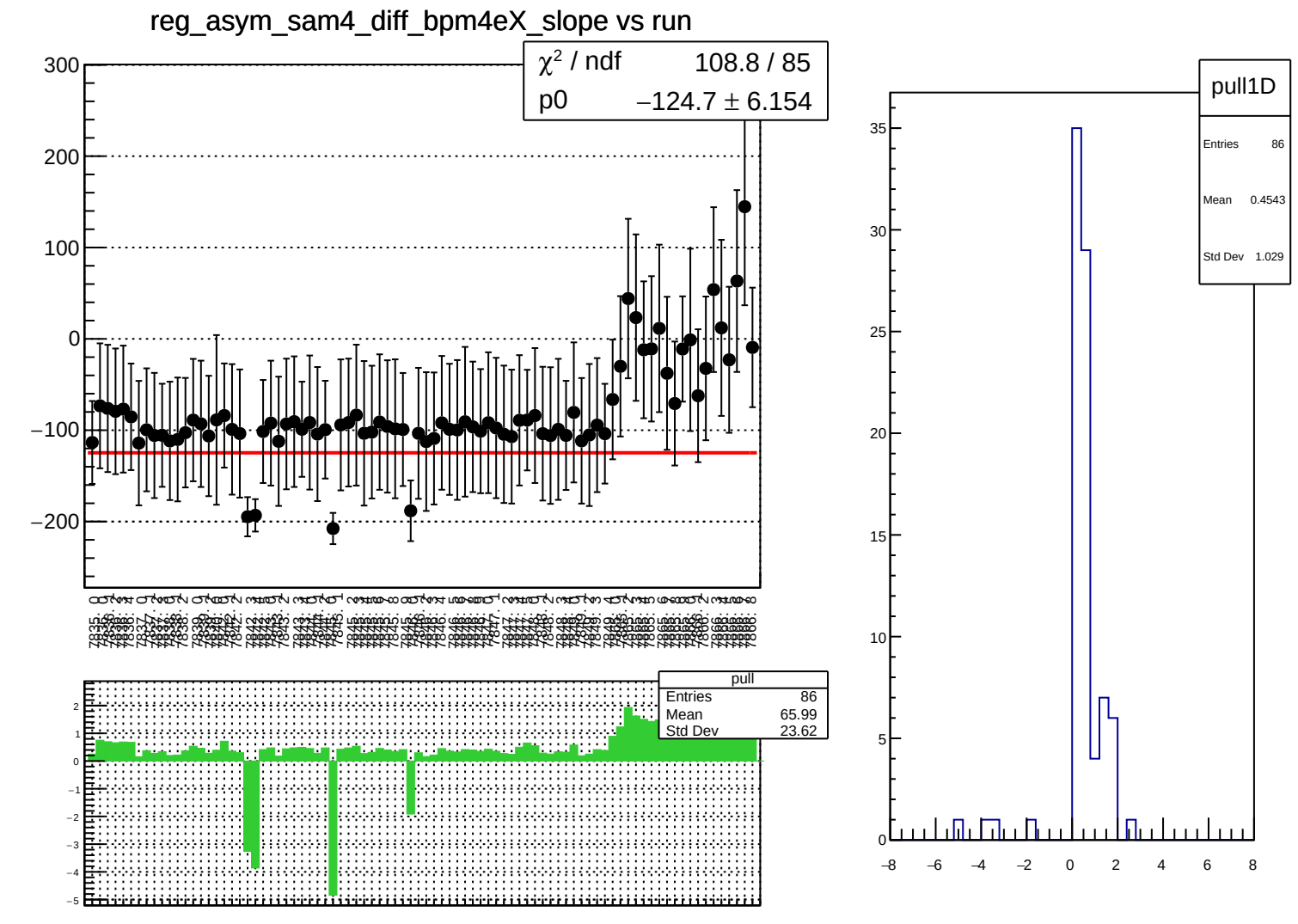

pull1D
Entries 86
Mean −0.04387
Std Dev 0.3793

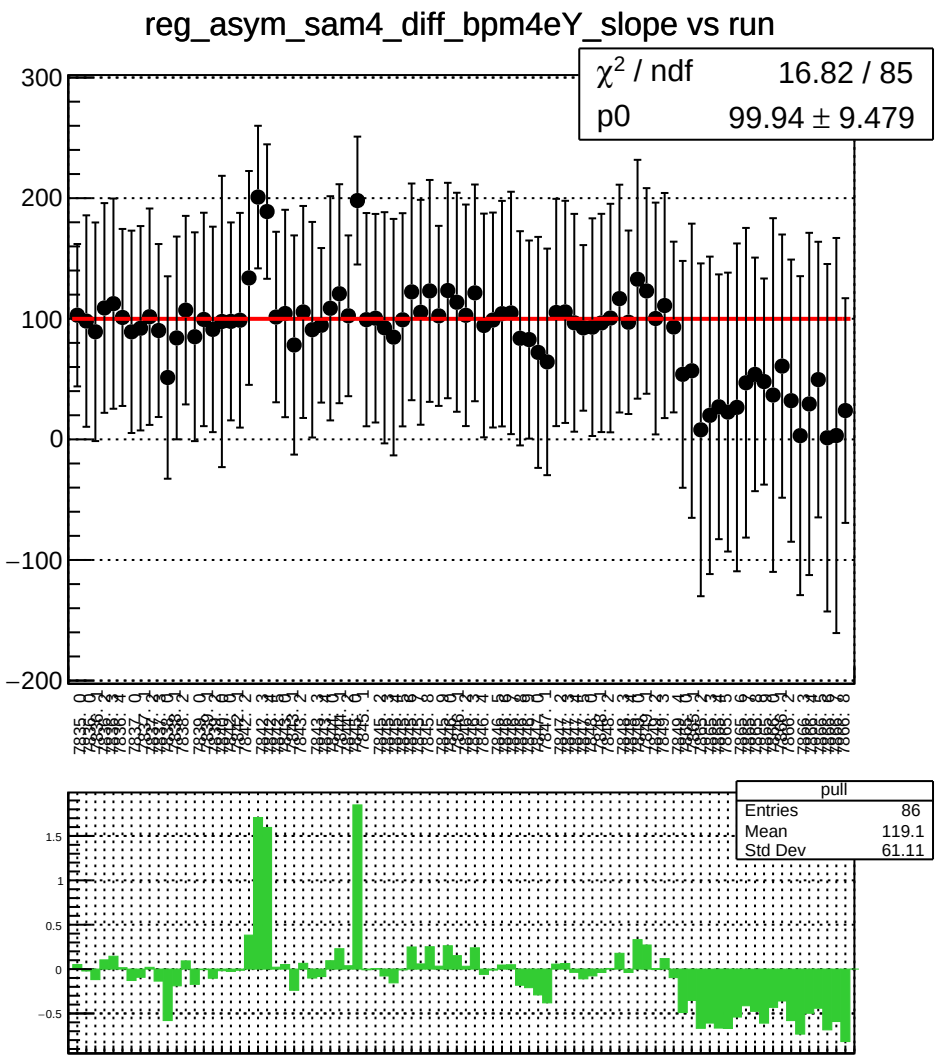

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 85.16 / 85
p0 −1.862 ± 0.1874
pull
Entries 86
Mean 213.6
Std Dev 160.1
pull1D
Entries 86
Mean −0.09713
Std Dev 0.9903

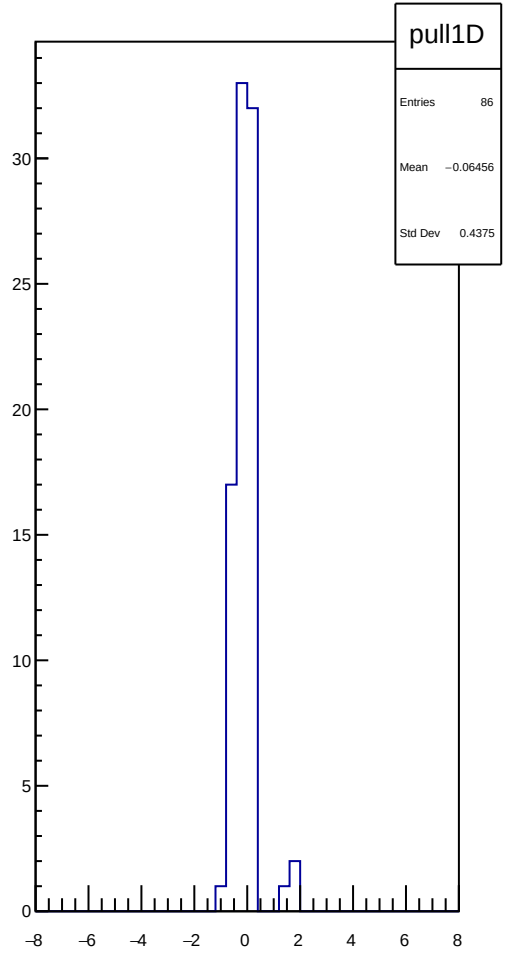

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 105.8 / 85
p0 −90.38 ± 7.02
0
−100
−200
−300
−400
−500
pull
Entries 86
Mean 72.47
Std Dev 17.29
5
4
3
2
1
0
−1
−2

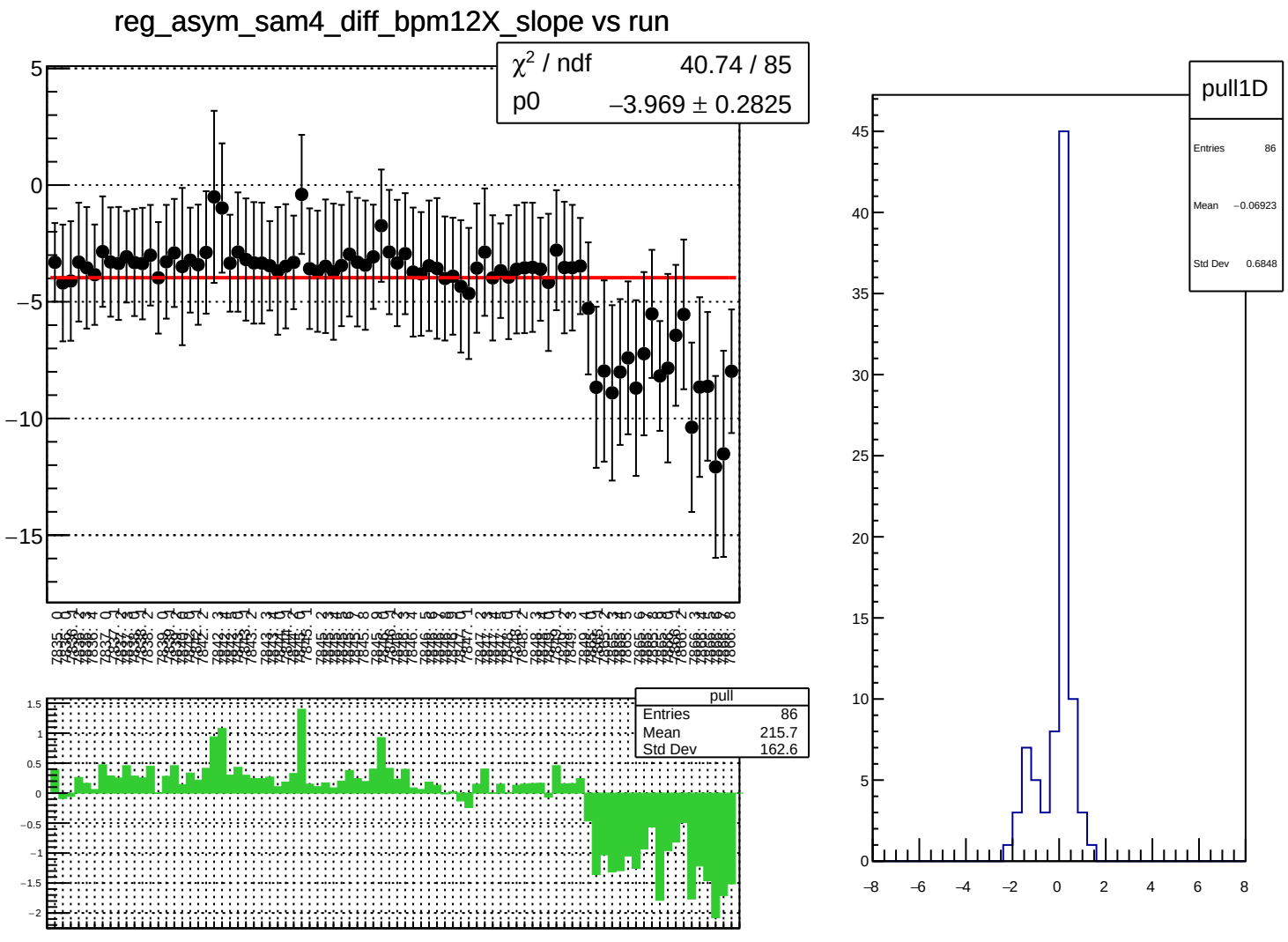

pull1D
Entries 86
Mean −0.3964
Std Dev 1.036
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

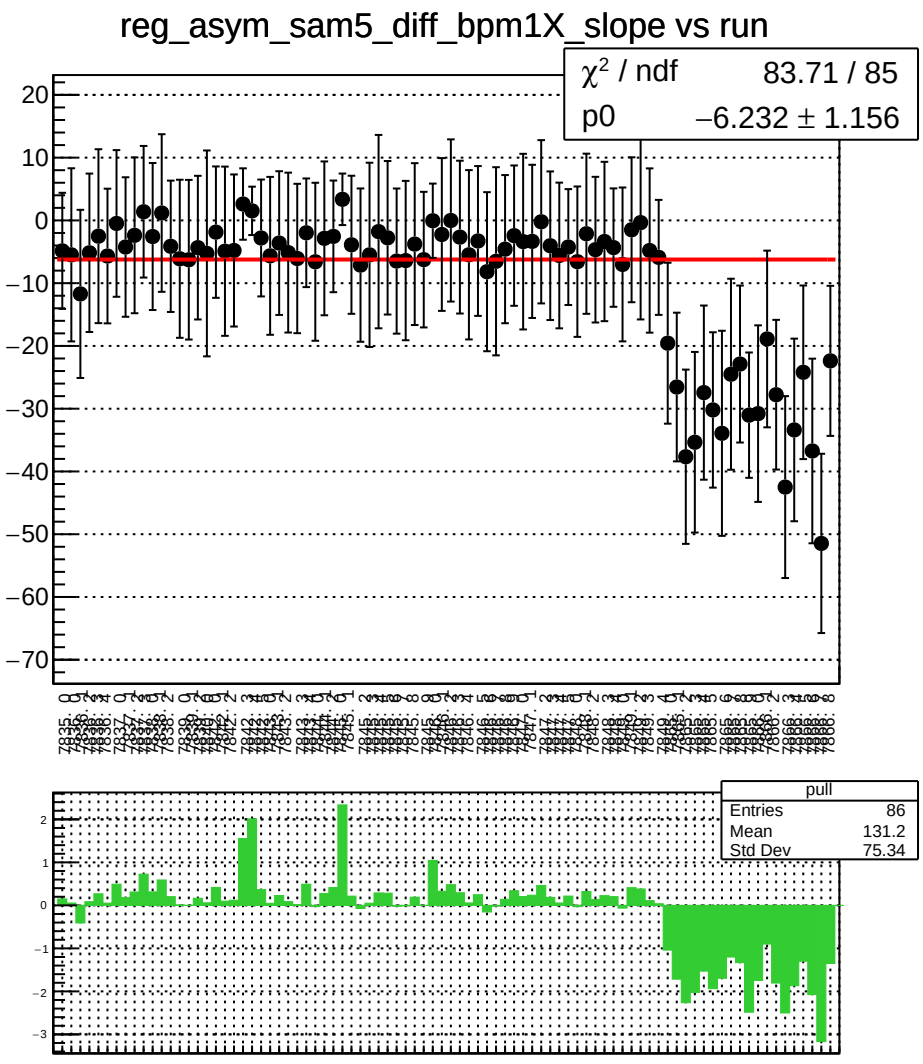

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 22.69 / 85
p0 120.9 ± 8.241
pull
Entries 86
Mean 96.65
Std Dev 37.99
pull1D
Entries 86
Mean 0.09617
Std Dev 0.5046

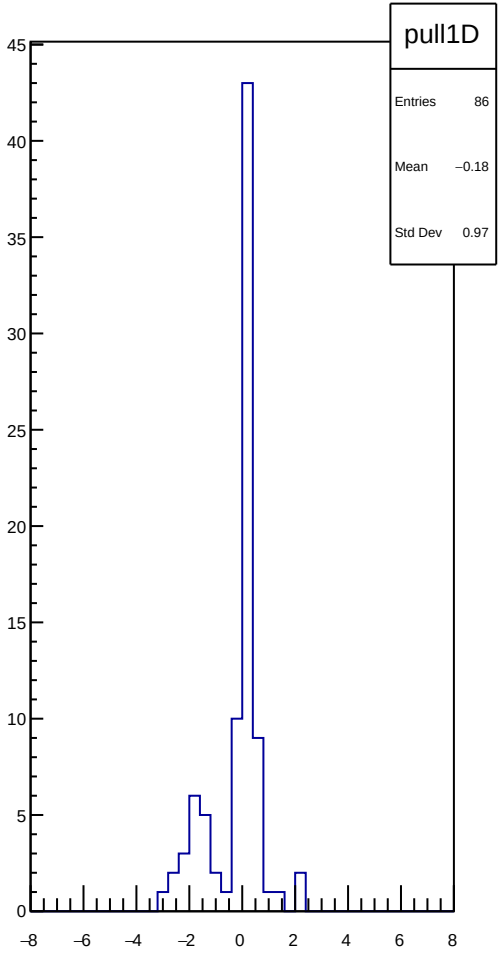

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 108.8 / 85
p0 −124.7 ± 6.154
pull
Entries 86
Mean 65.99
Std Dev 23.62
pull1D
Entries 86
Mean 0.4543
Std Dev 1.029

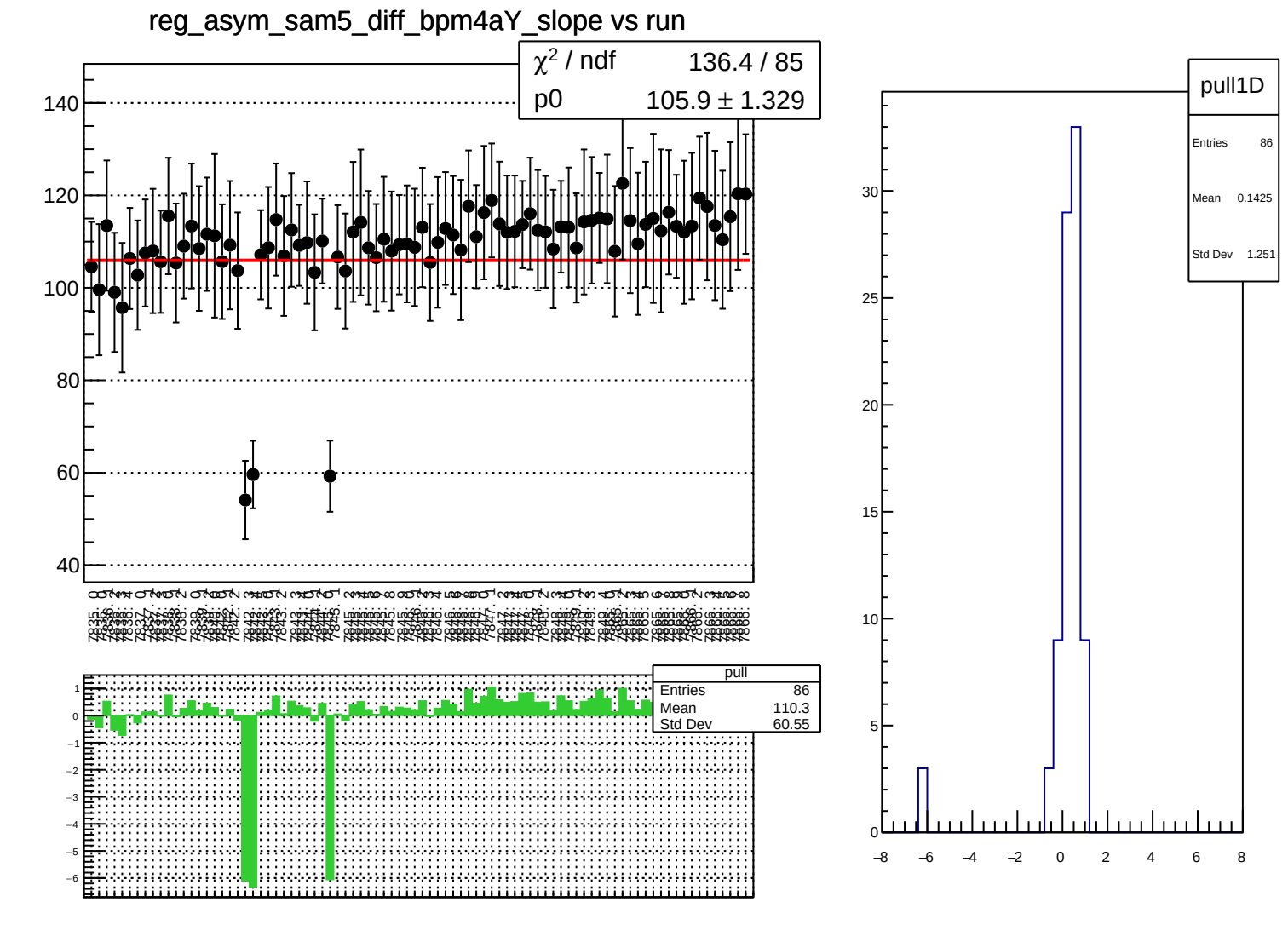

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 16.82 / 85
p0 99.94 ± 9.479
300
200
100
0
−100
−200
pull
Entries 86
Mean 119.1
Std Dev 61.11
1.5
1
0.5
0
−0.5

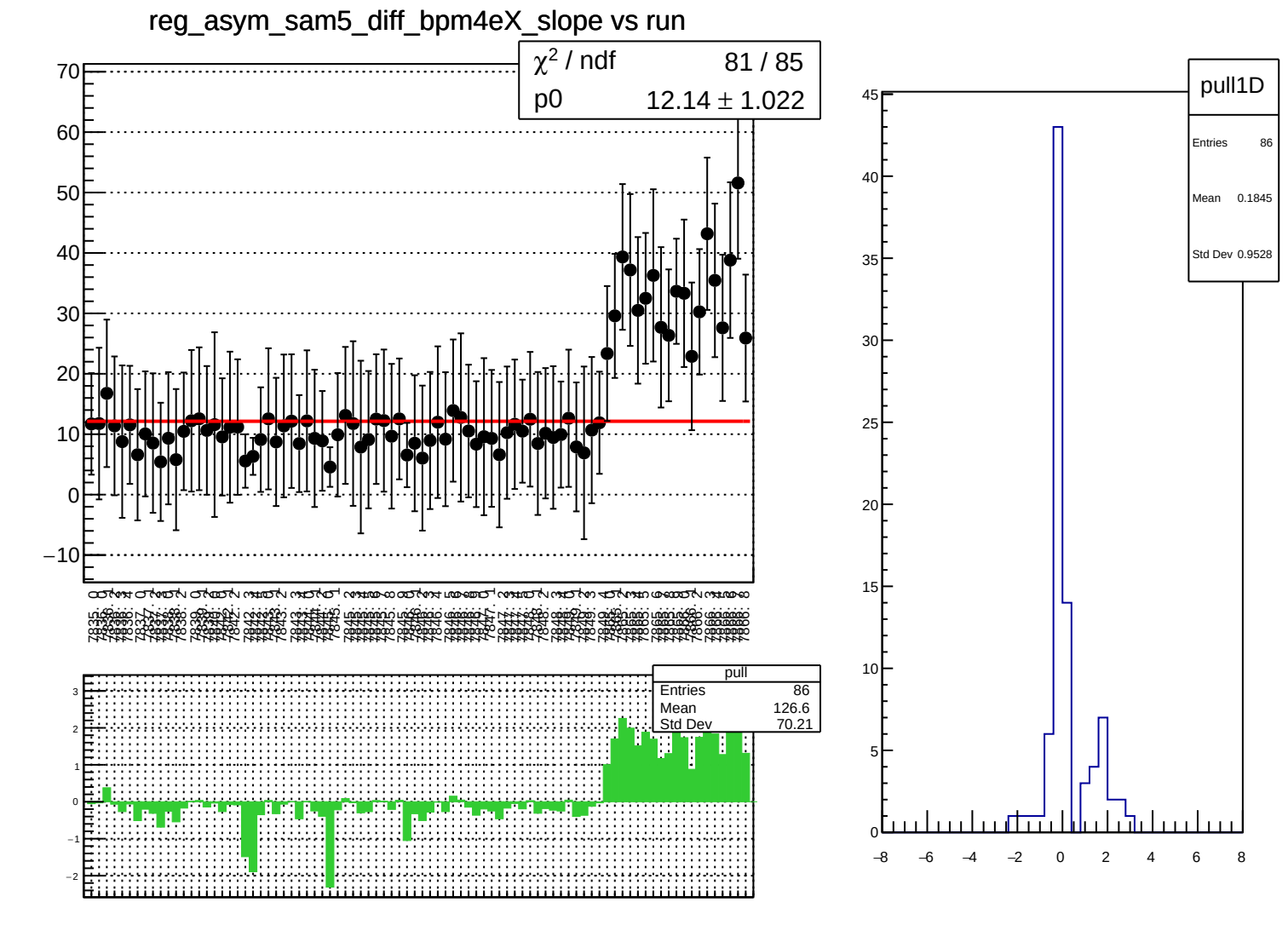

pull1D
Entries 86
Mean −0.06456
Std Dev 0.4375
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

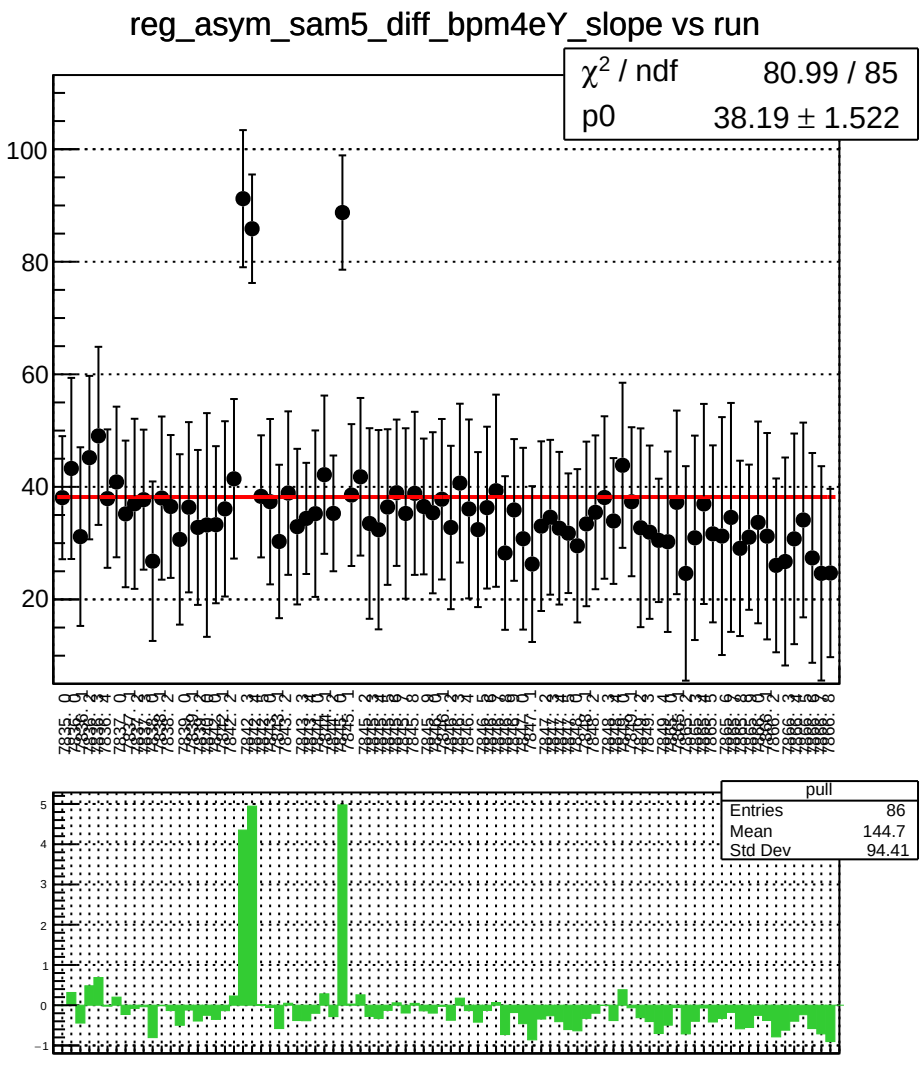

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 40.74 / 85
p0 −3.969 ± 0.2825
pull
Entries 86
Mean 215.7
Std Dev 162.6
pull1D
Entries 86
Mean −0.06923
Std Dev 0.6848

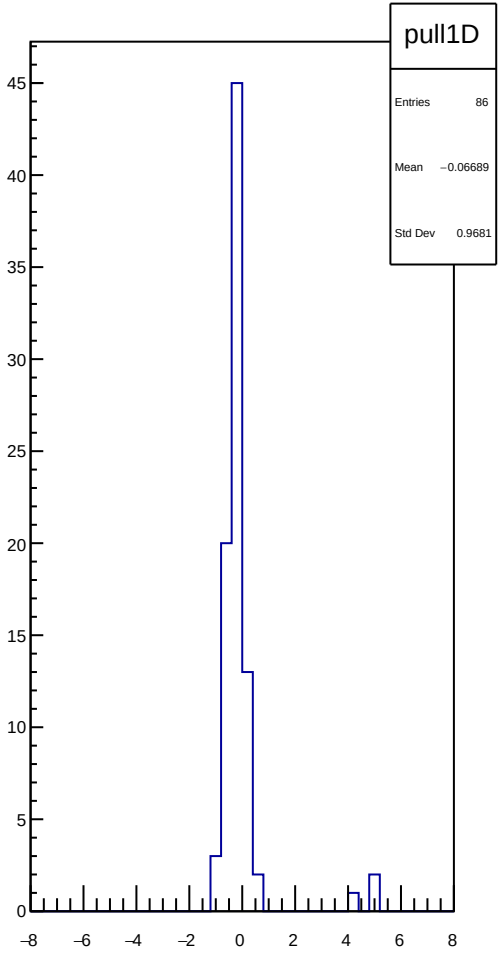

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 83.71 / 85
p0 −6.232 ± 1.156
pull
Entries 86
Mean 131.2
Std Dev 75.34

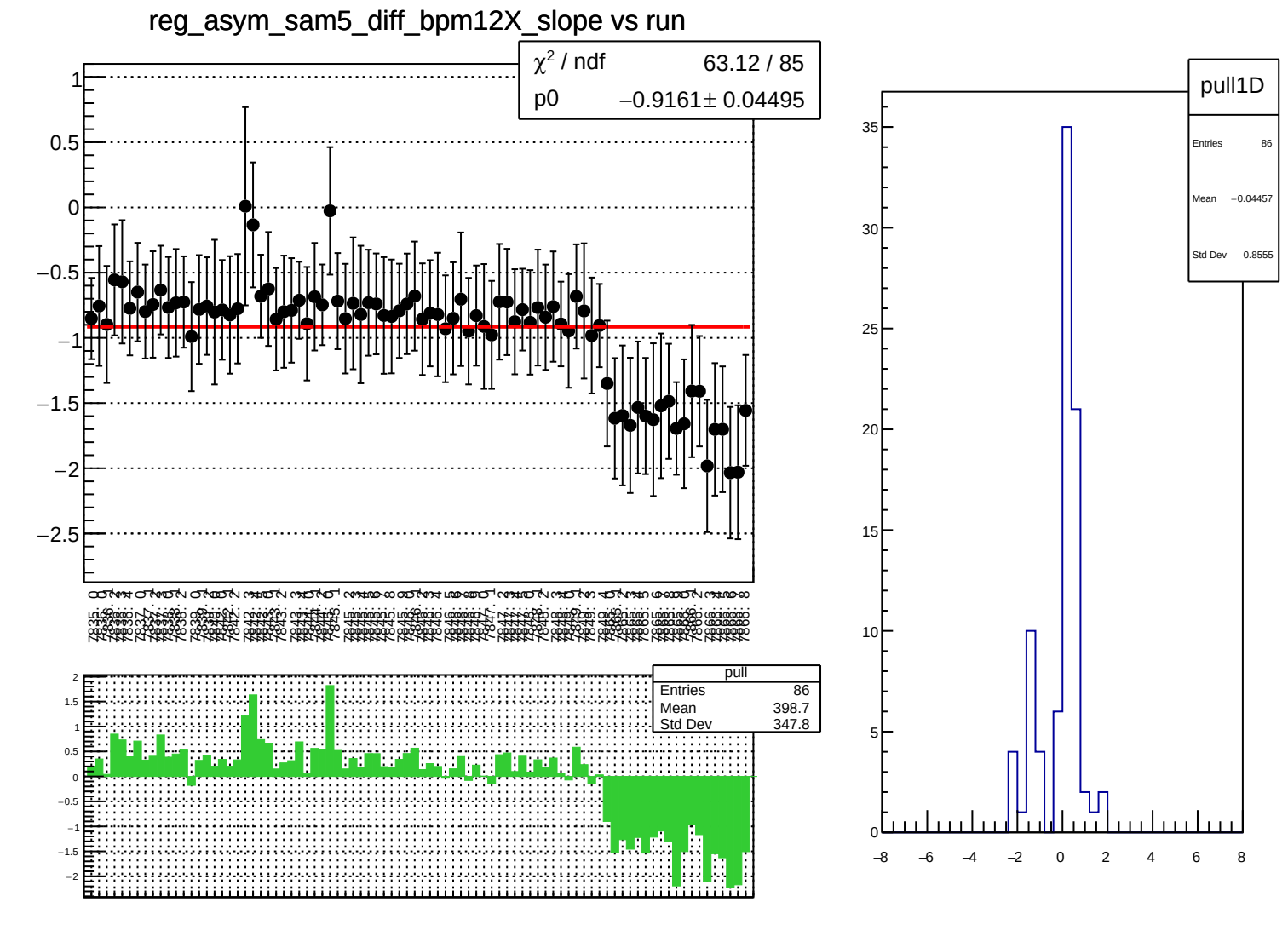

pull1D
Entries 86
Mean −0.18
Std Dev 0.97

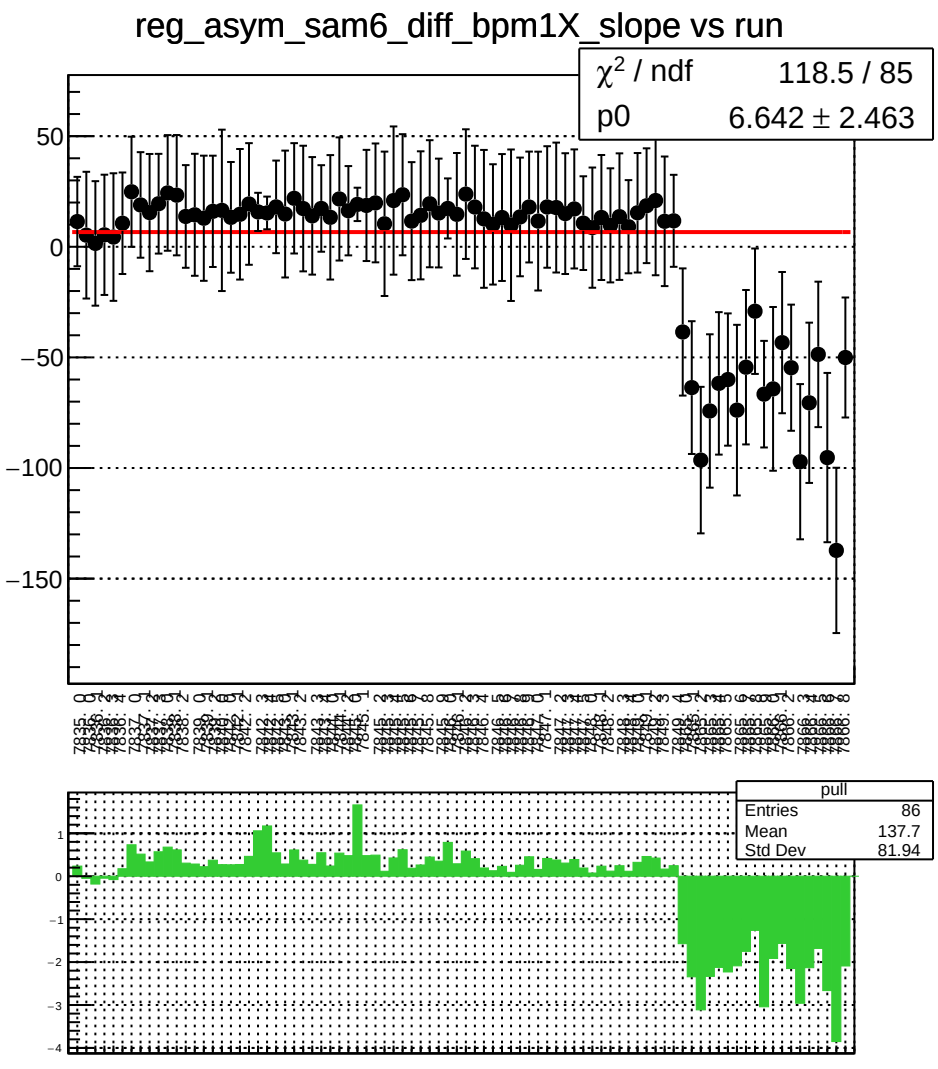

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 136.4 / 85
p0 105.9 ± 1.329
pull
Entries 86
Mean 110.3
Std Dev 60.55
pull1D
Entries 86
Mean 0.1425
Std Dev 1.251

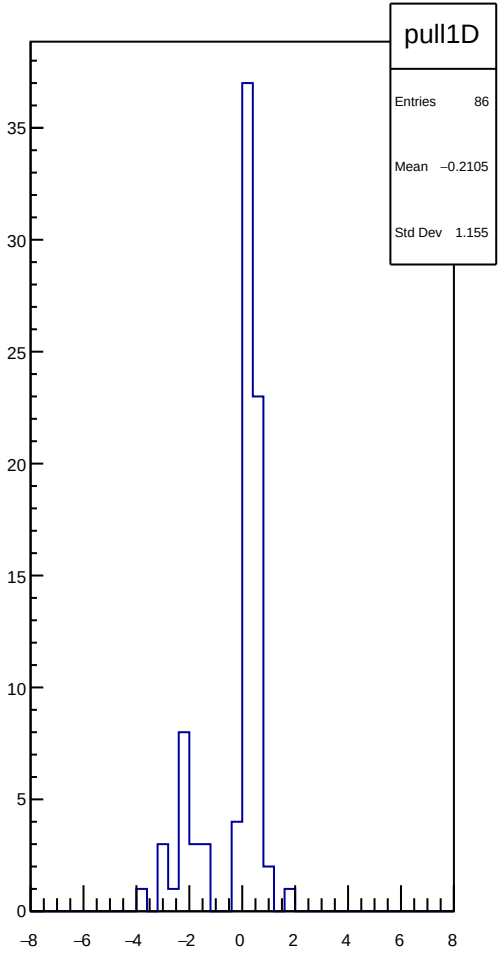

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 81 / 85
p0 12.14 ± 1.022
pull
Entries 86
Mean 126.6
Std Dev 70.21
pull1D
Entries 86
Mean 0.1845
Std Dev 0.9528

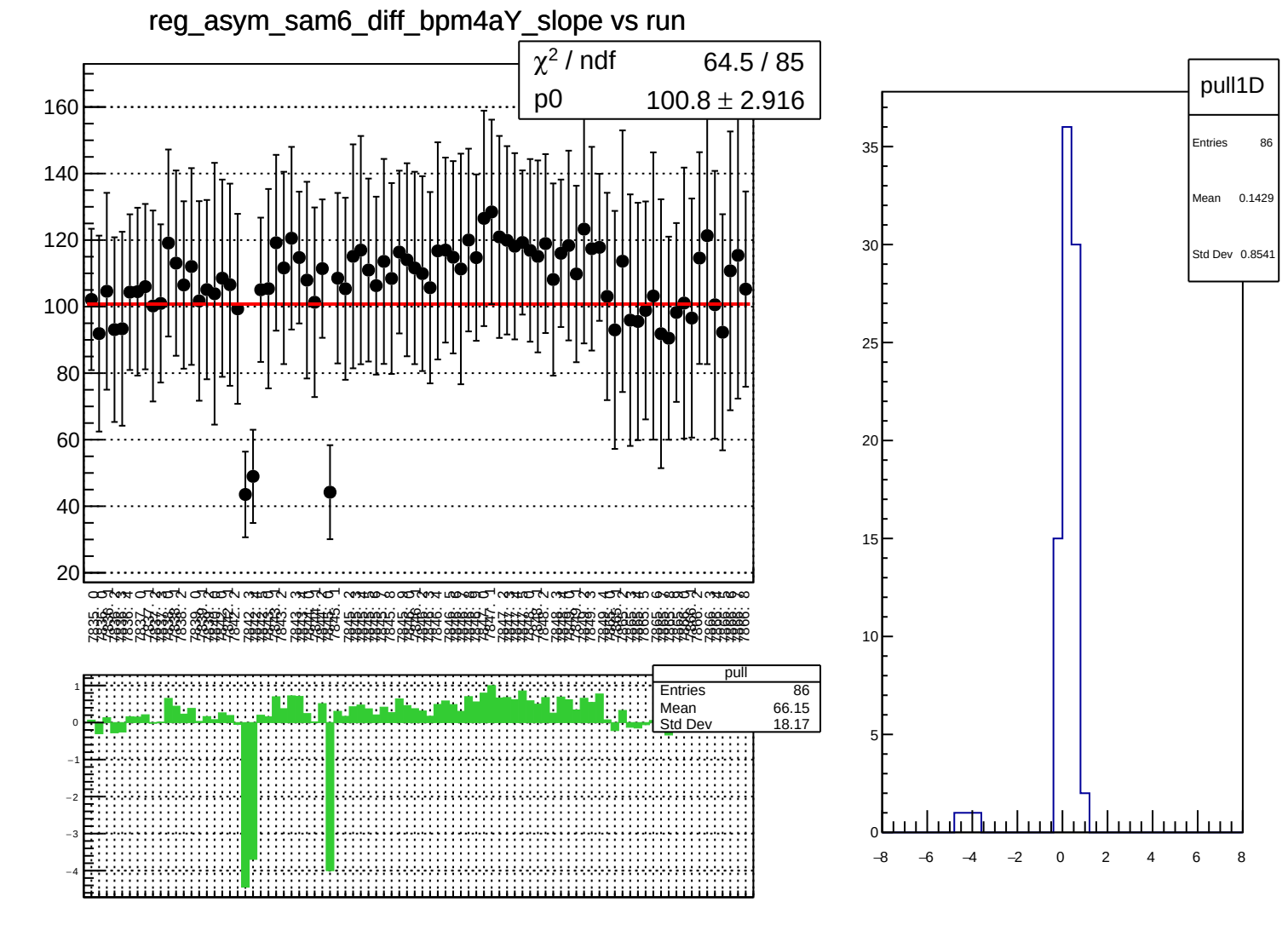

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 80.99 / 85
p0 38.19 ± 1.522
pull
Entries 86
Mean 144.7
Std Dev 94.41

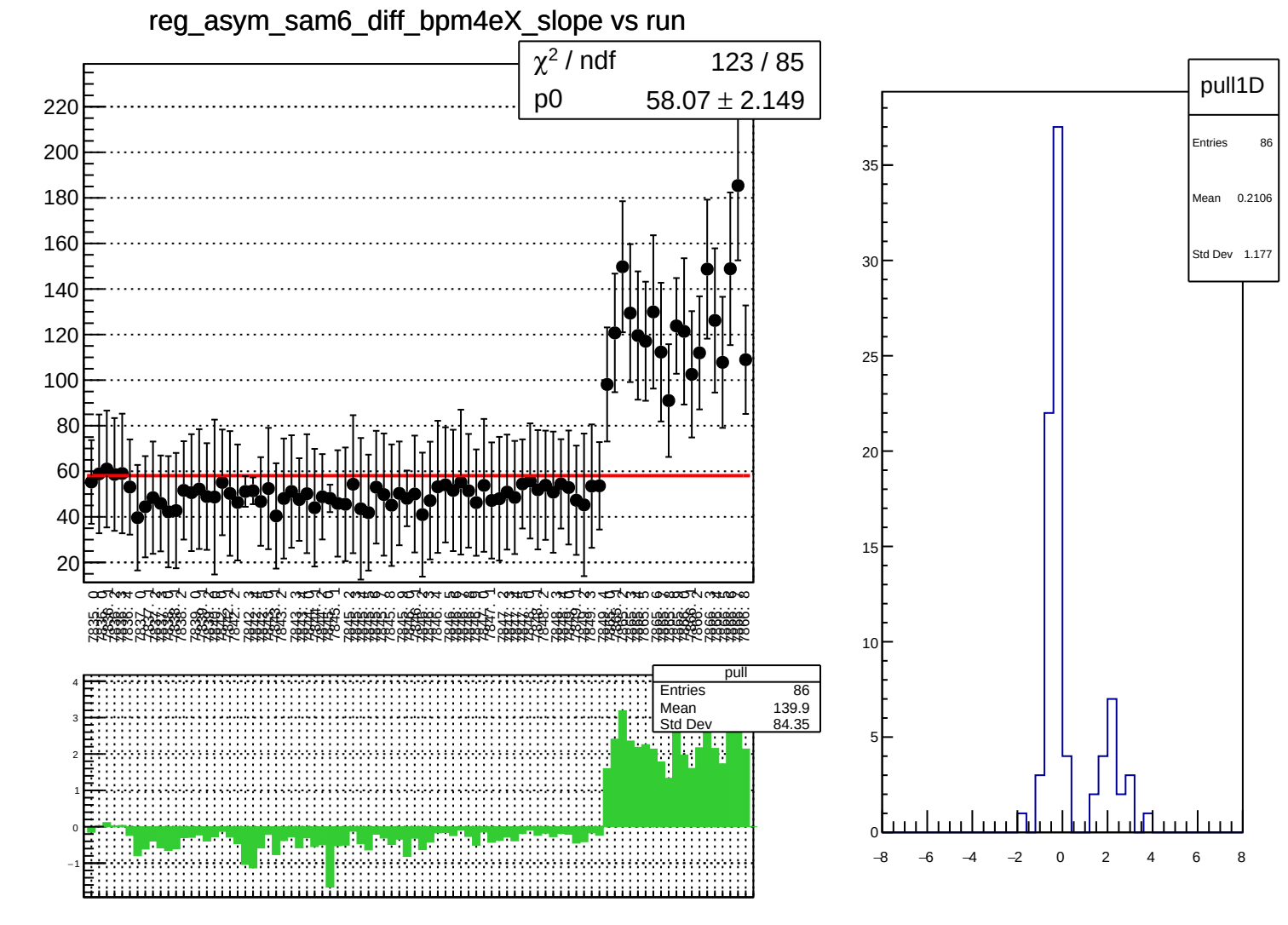

pull1D
Entries 86
Mean −0.06689
Std Dev 0.9681

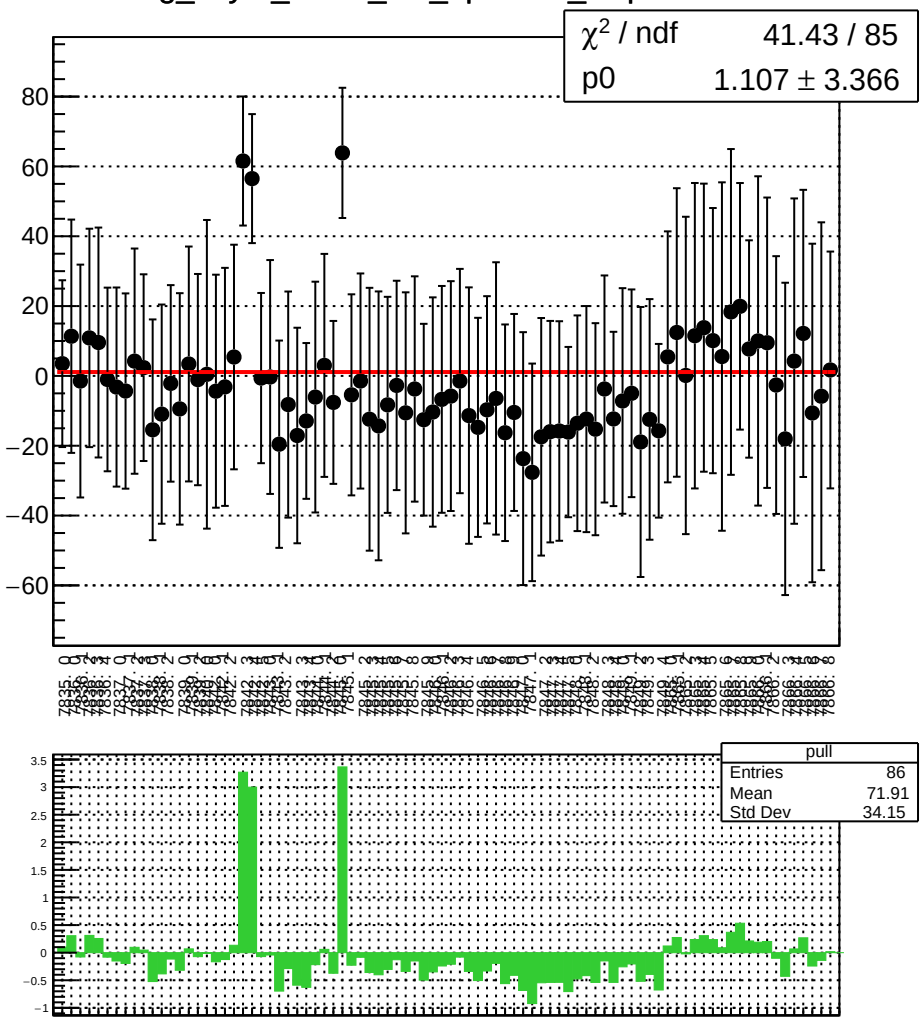

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 63.12 / 85
p0 −0.9161± 0.04495
pull
Entries 86
Mean 398.7
Std Dev 347.8
pull1D
Entries 86
Mean −0.04457
Std Dev 0.8555

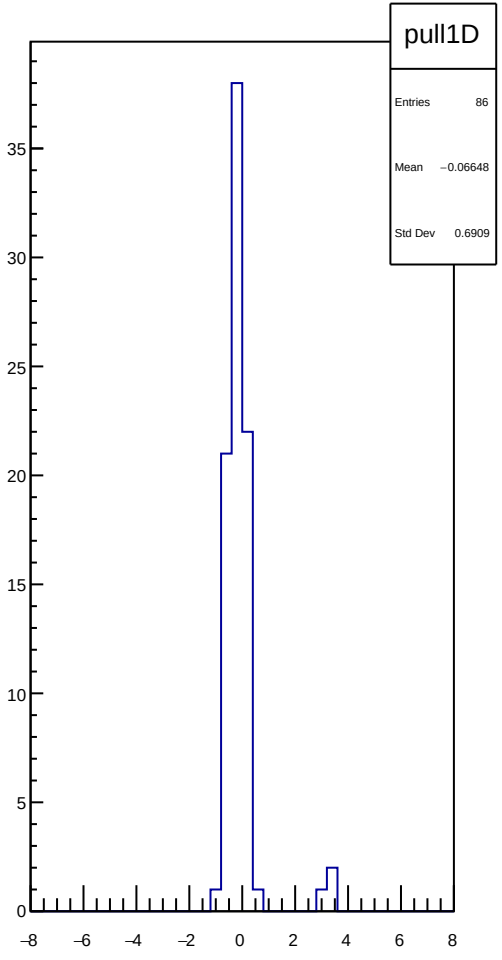

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 118.5 / 85
p0 6.642 ± 2.463
pull
Entries 86
Mean 137.7
Std Dev 81.94

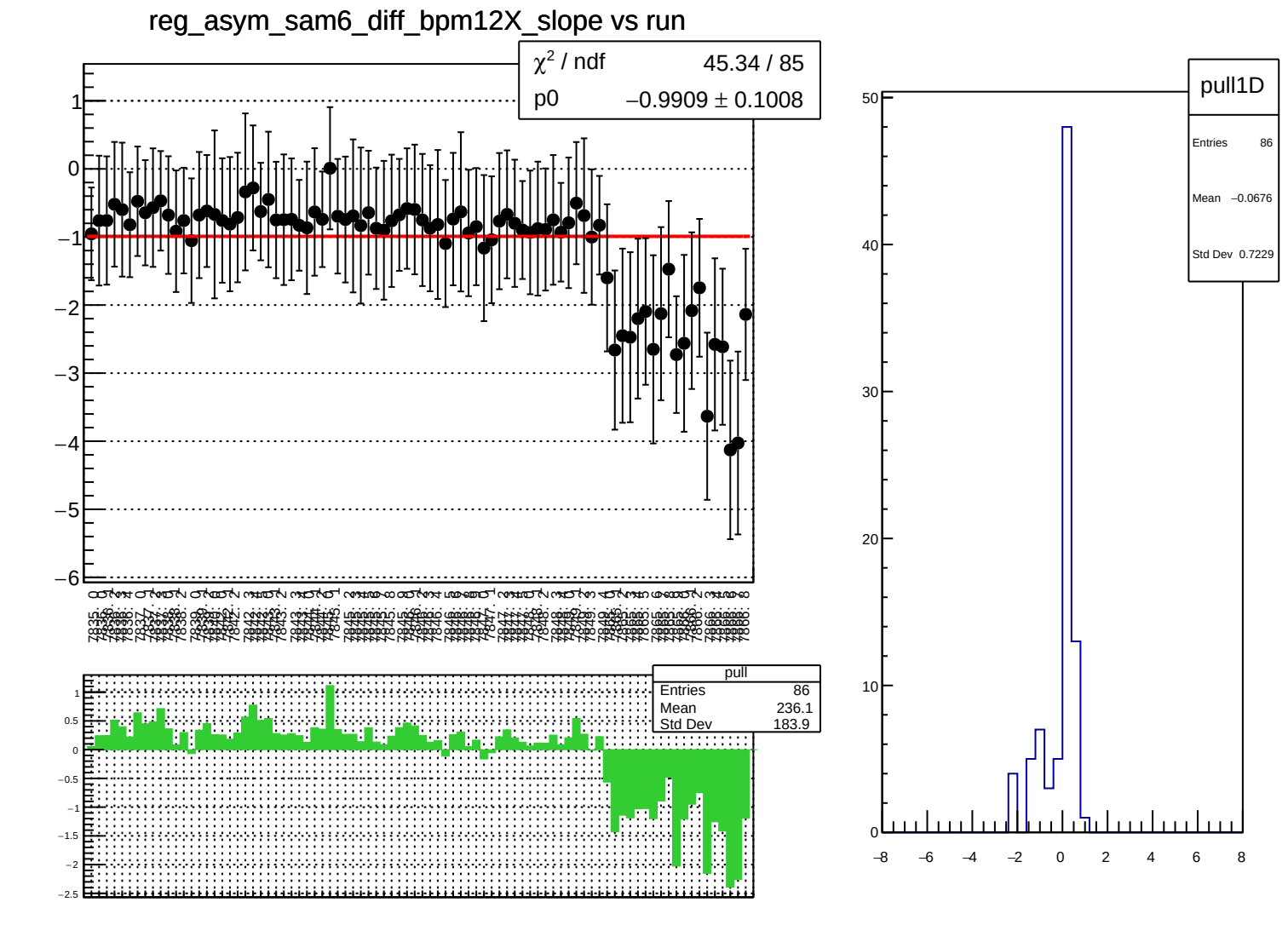

pull1D
Entries 86
Mean −0.2105
Std Dev 1.155

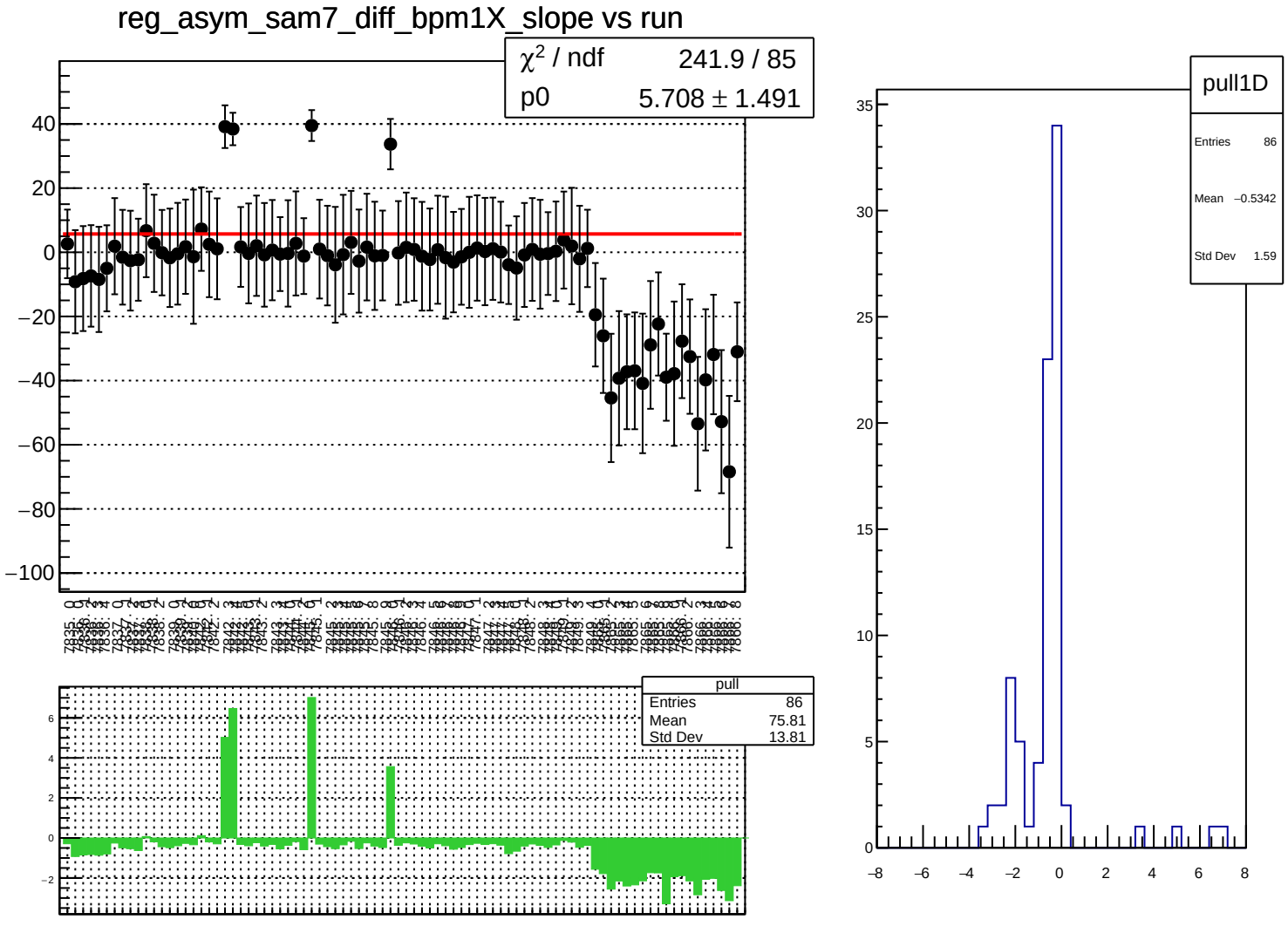

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 64.5 / 85
p0 100.8 ± 2.916
pull
Entries 86
Mean 66.15
Std Dev 18.17
pull1D
Entries 86
Mean 0.1429
Std Dev 0.8541

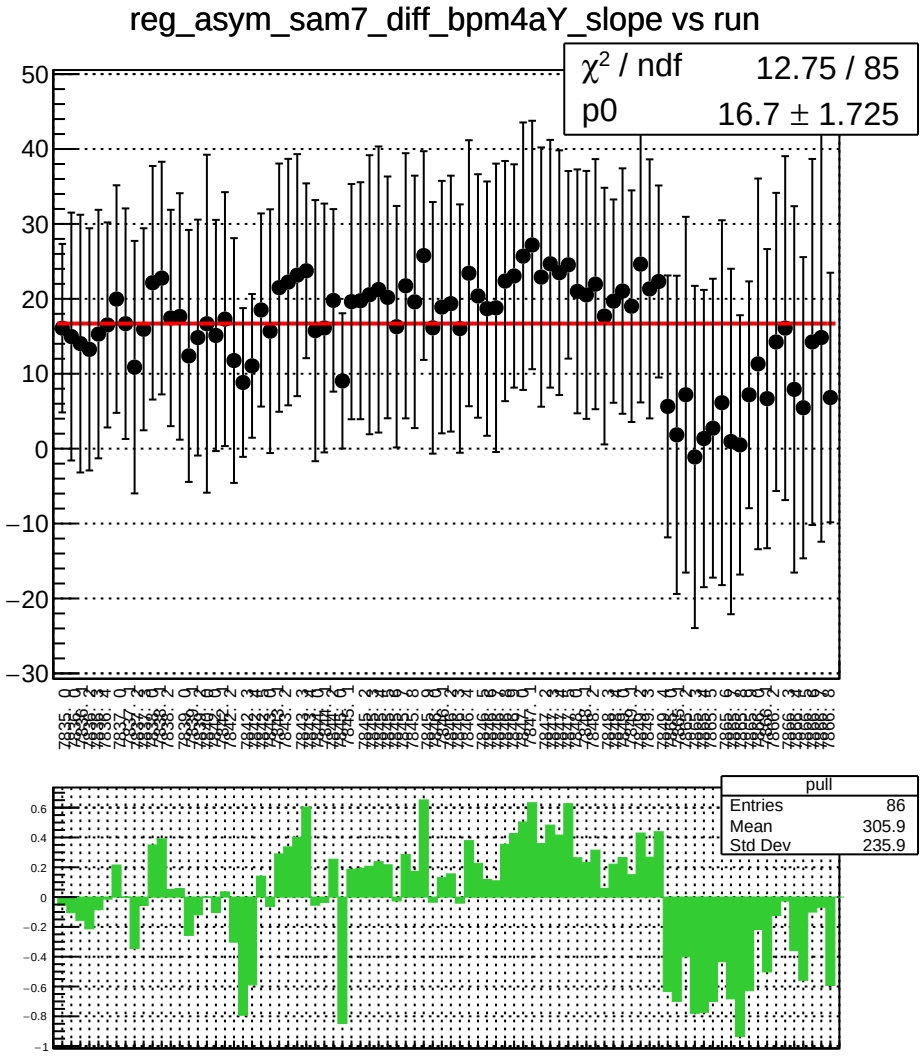

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 123 / 85
p0 58.07 ± 2.149
pull
Entries 86
Mean 139.9
Std Dev 84.35
pull1D
Entries 86
Mean 0.2106
Std Dev 1.177

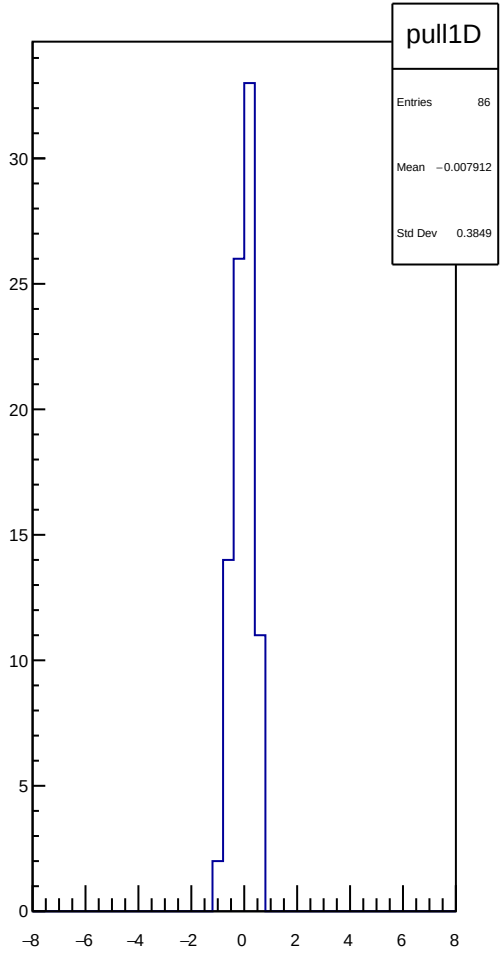

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 41.43 / 85
p0 1.107 ± 3.366
pull
Entries 86
Mean 71.91
Std Dev 34.15

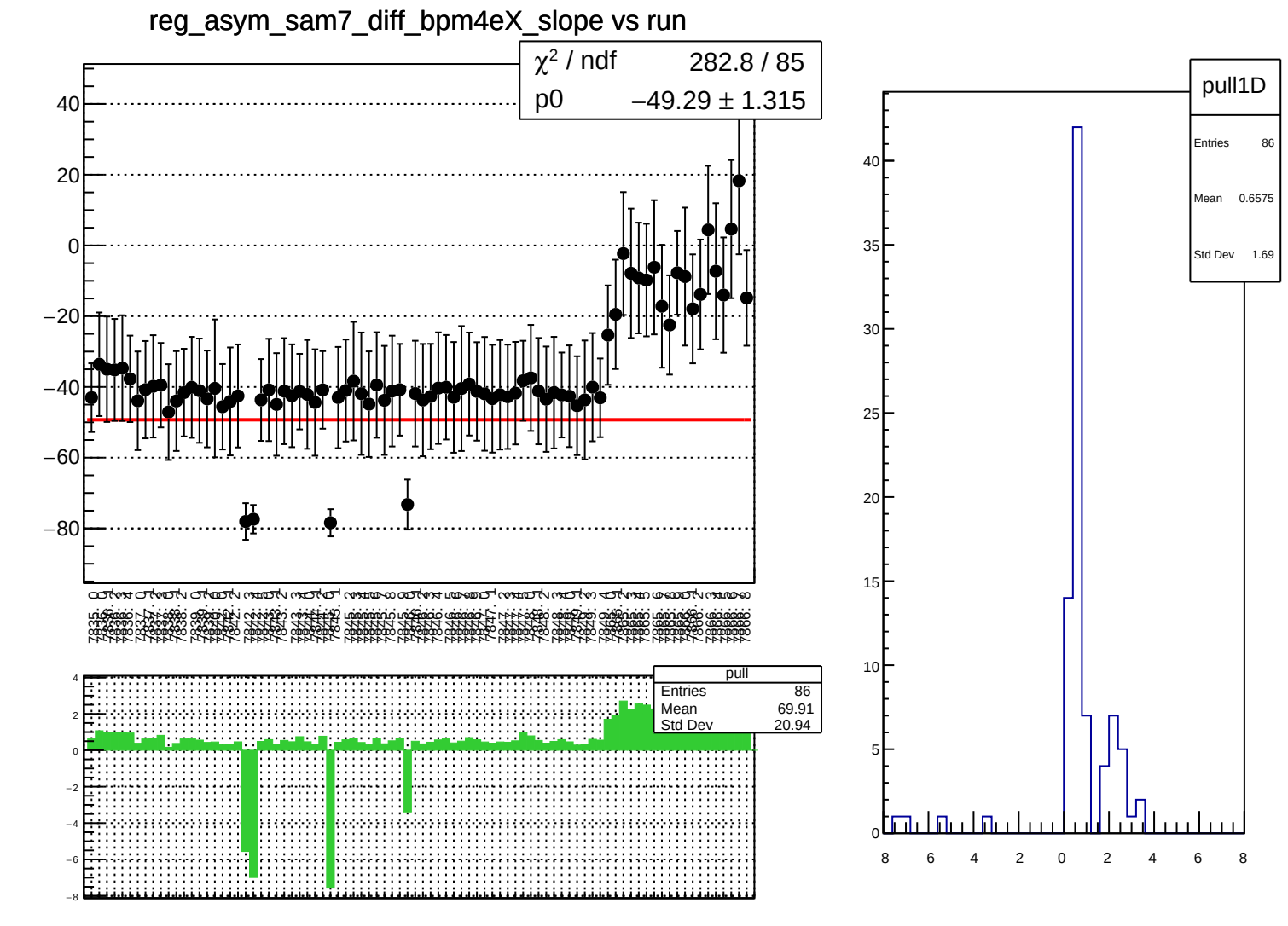

pull1D
Entries 86
Mean −0.06648
Std Dev 0.6909

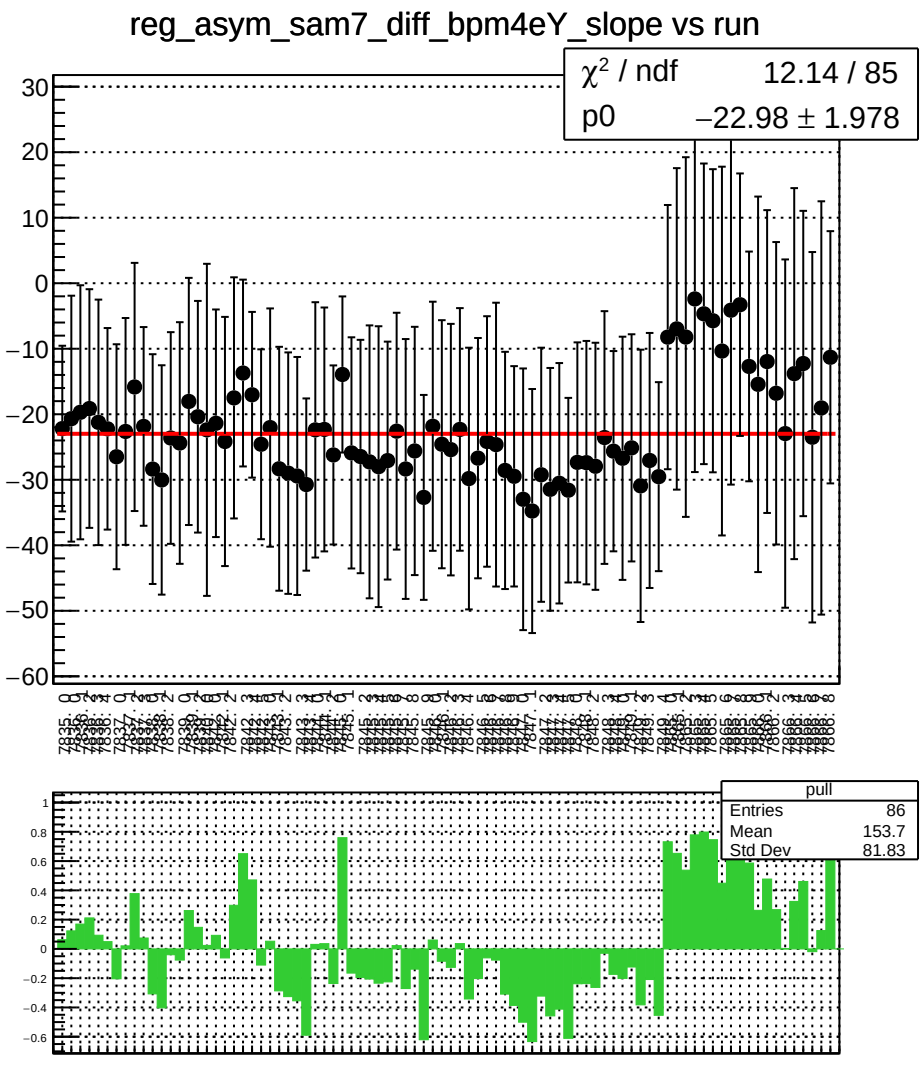

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 45.34 / 85
p0 −0.9909 ± 0.1008
pull
Entries 86
Mean 236.1
Std Dev 183.9
pull1D
Entries 86
Mean −0.0676
Std Dev 0.7229

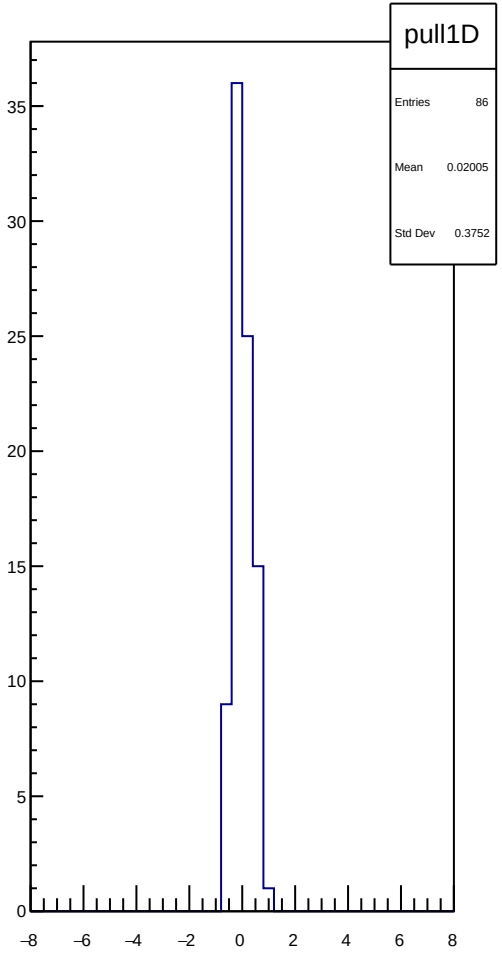

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 241.9 / 85
p0 5.708 ± 1.491
pull
Entries 86
Mean 75.81
Std Dev 13.81
pull1D
Entries 86
Mean −0.5342
Std Dev 1.59

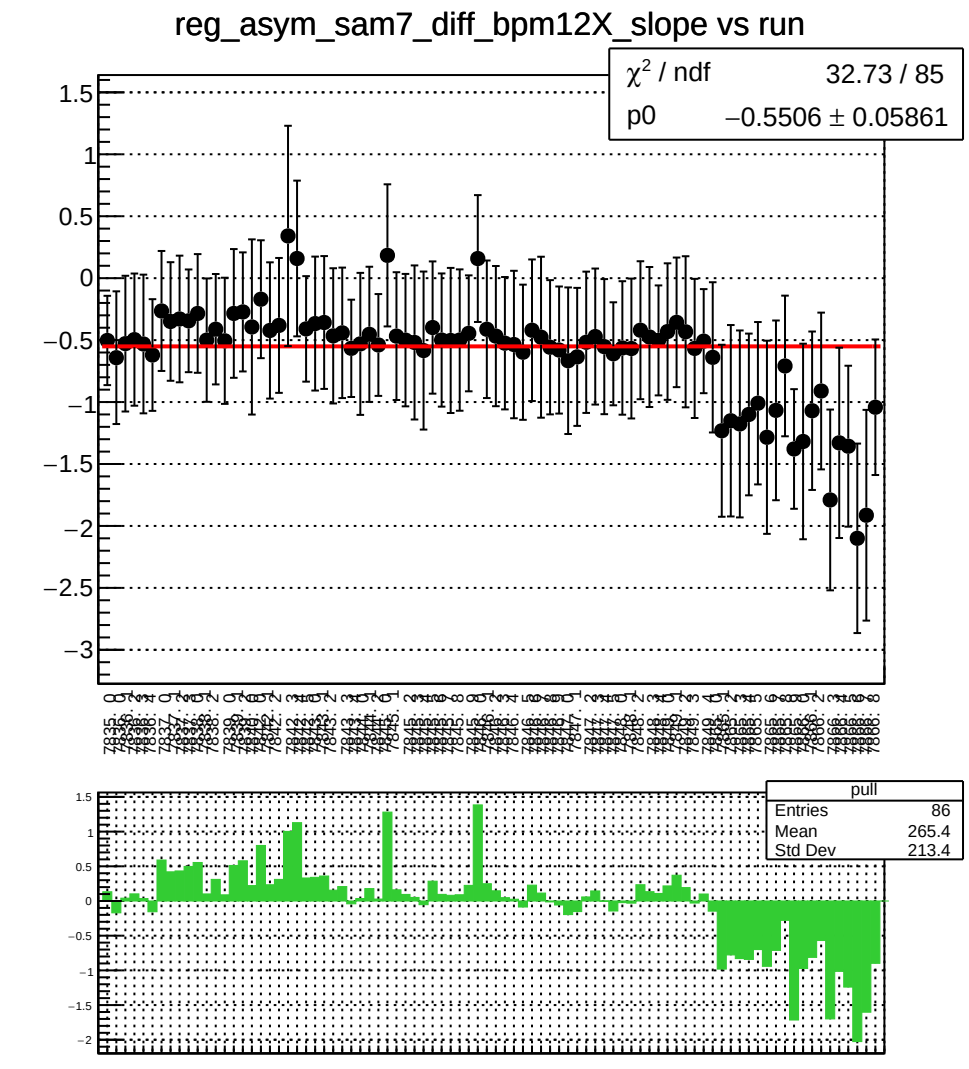

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 12.75 / 85
p0 16.7 ± 1.725
pull
Entries 86
Mean 305.9
Std Dev 235.9

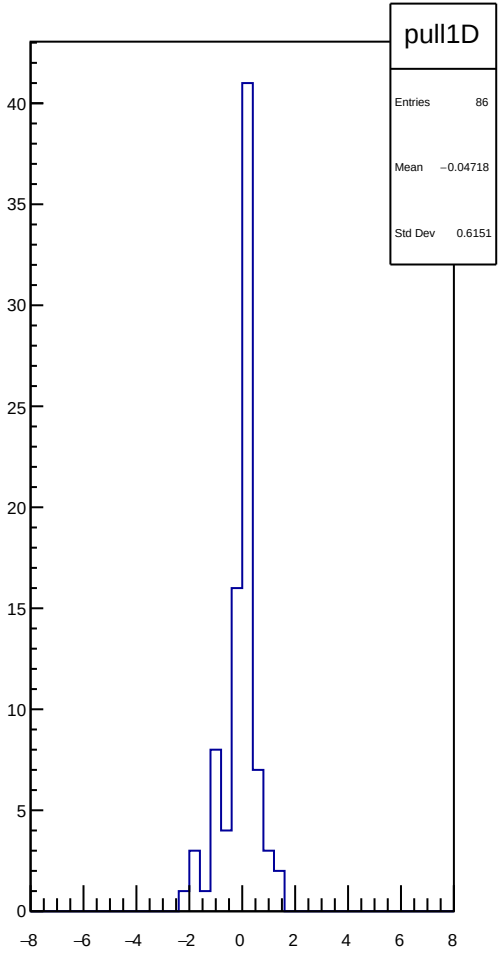

pull1D
Entries 86
Mean −0.007912
Std Dev 0.3849

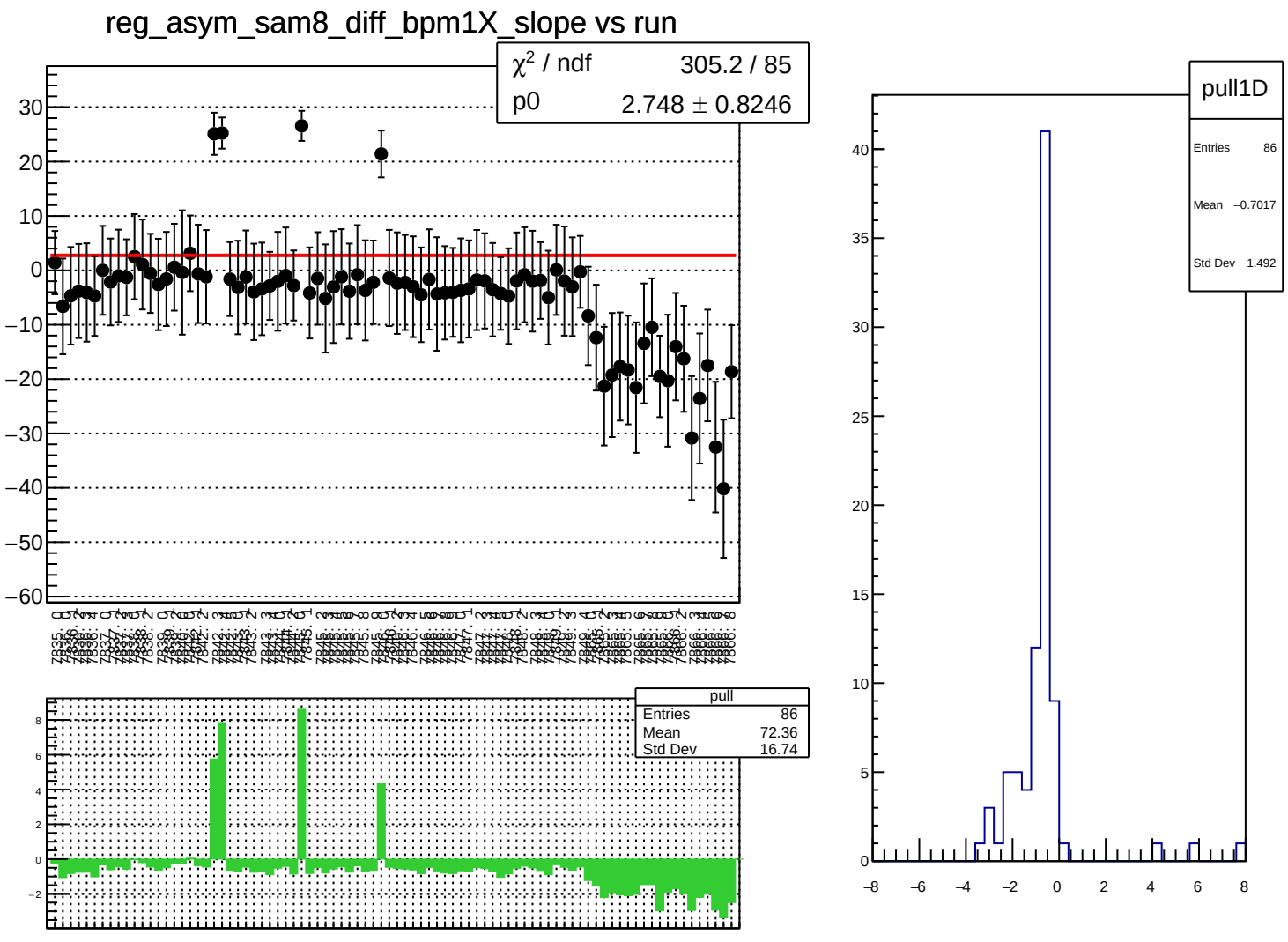

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 282.8 / 85
p0 −49.29 ± 1.315
pull
Entries 86
Mean 69.91
Std Dev 20.94
pull1D
Entries 86
Mean 0.6575
Std Dev 1.69

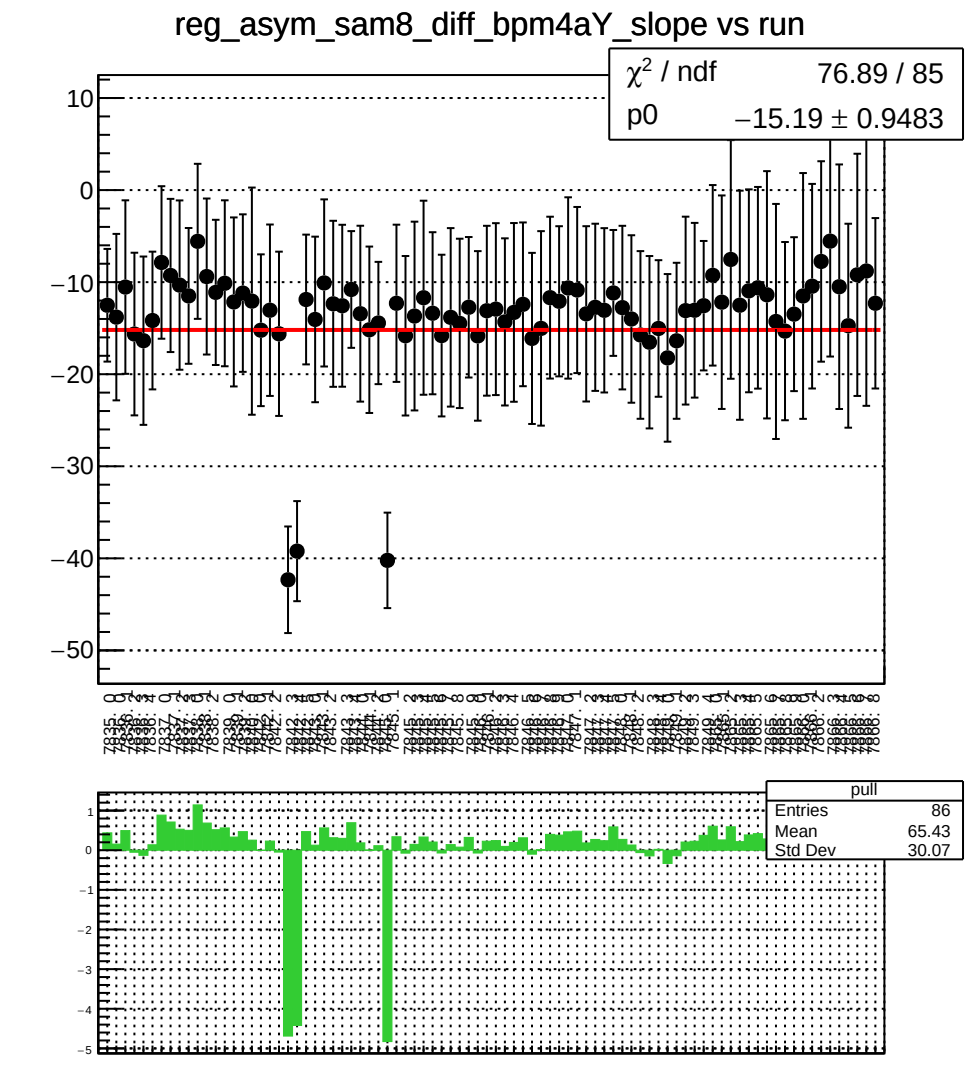

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 12.14 / 85
p0 −22.98 ± 1.978
pull
Entries 86
Mean 153.7
Std Dev 81.83

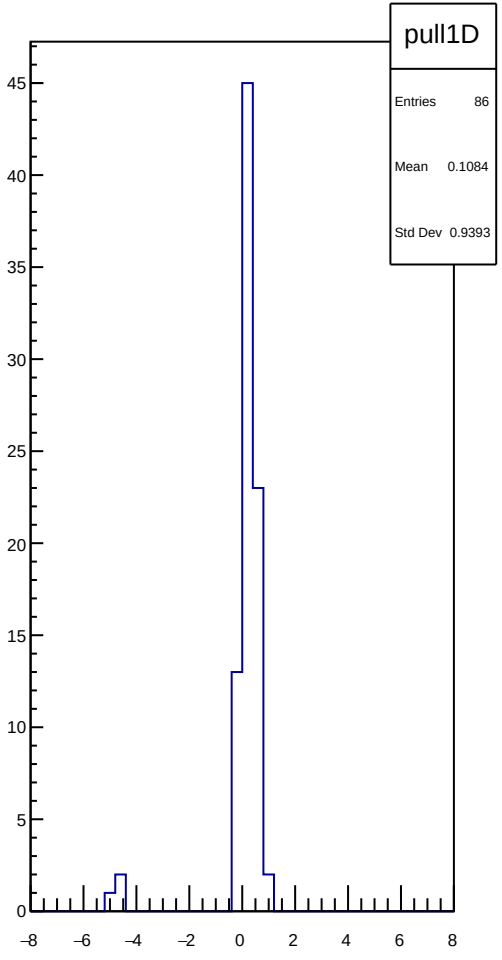

pull1D
Entries 86
Mean 0.02005
Std Dev 0.3752

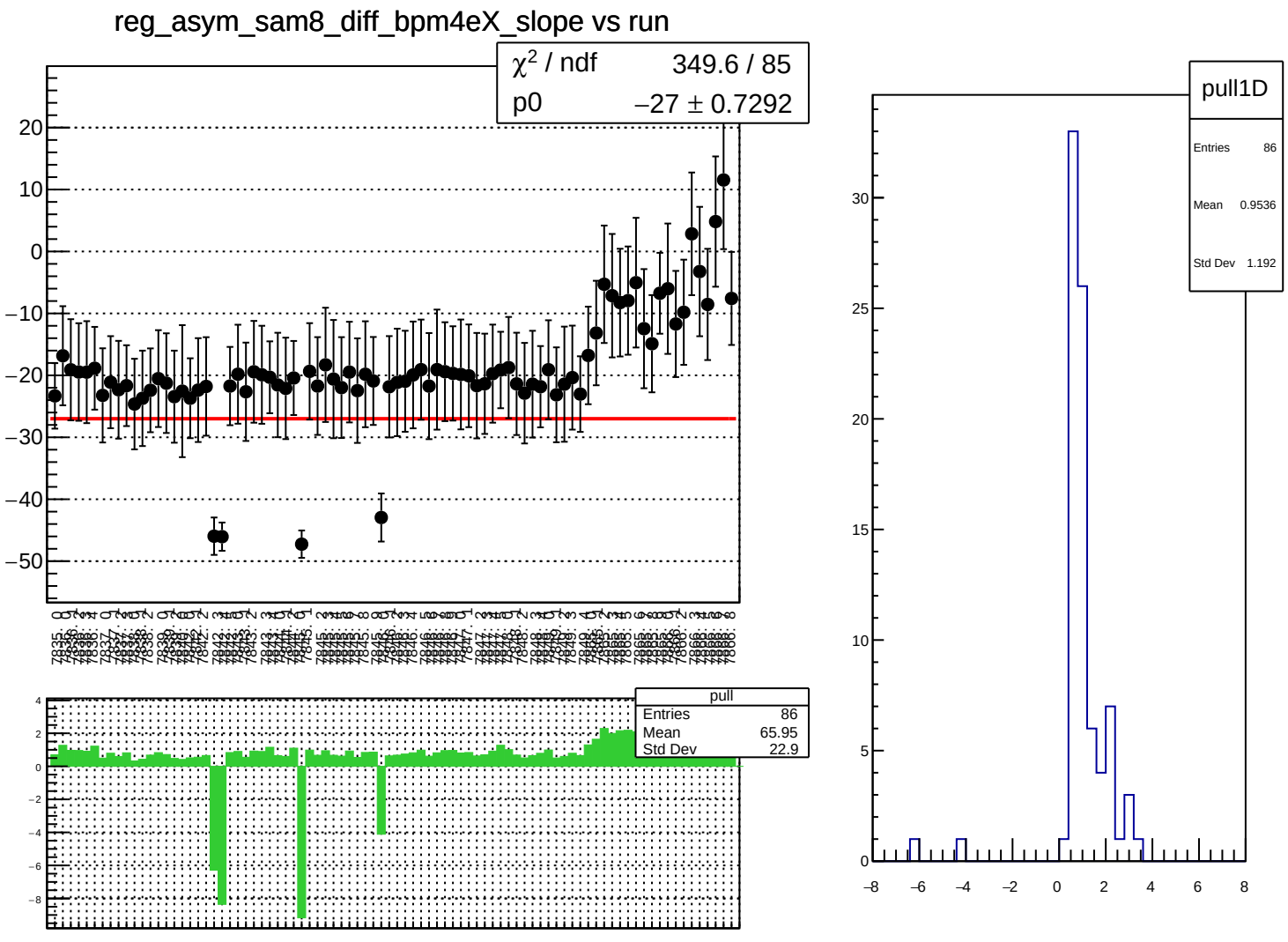

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 32.73 / 85
p0 −0.5506 ± 0.05861
pull
Entries 86
Mean 265.4
Std Dev 213.4

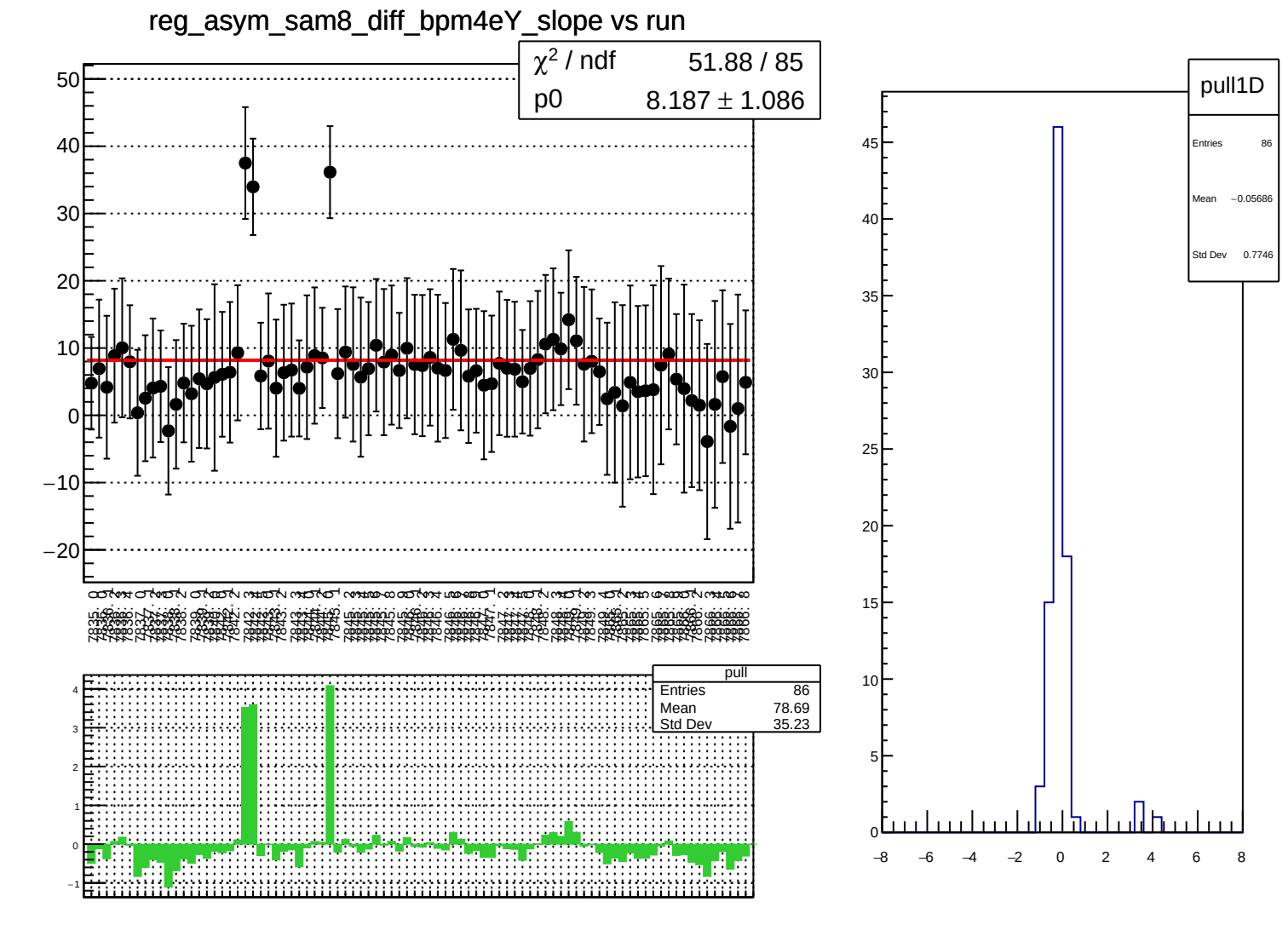

pull1D
Entries 86
Mean −0.04718
Std Dev 0.6151

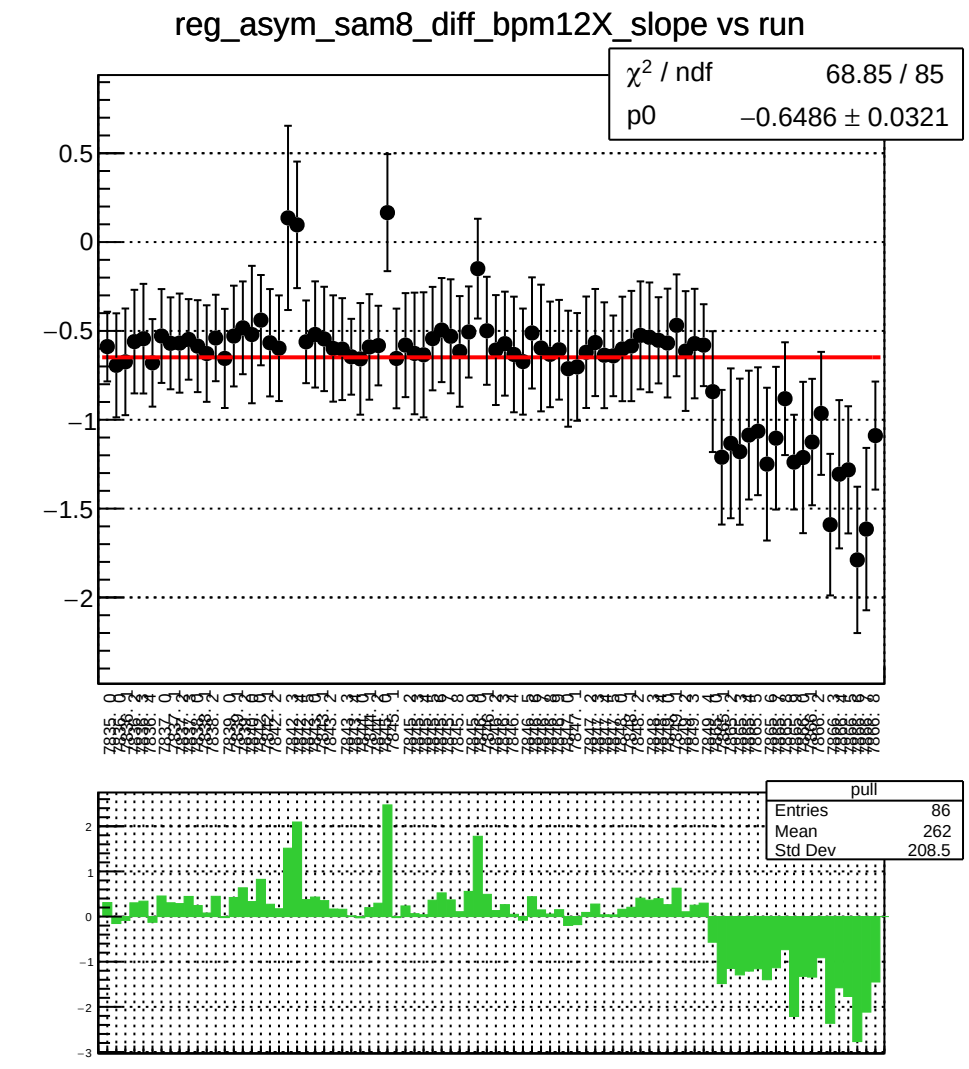

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 305.2 / 85
p0 2.748 ± 0.8246
pull
Entries 86
Mean 72.36
Std Dev 16.74
pull1D
Entries 86
Mean −0.7017
Std Dev 1.492

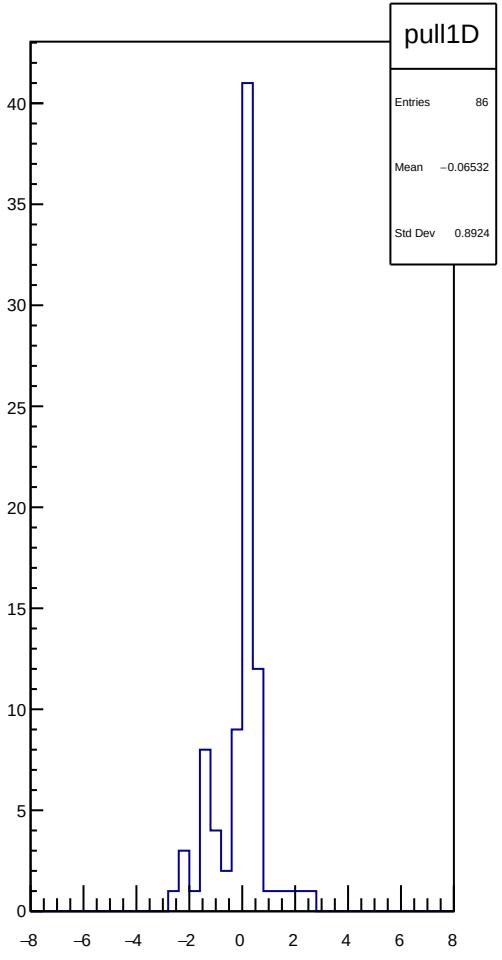

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 76.89 / 85
p0 −15.19 ± 0.9483
pull
Entries 86
Mean 65.43
Std Dev 30.07

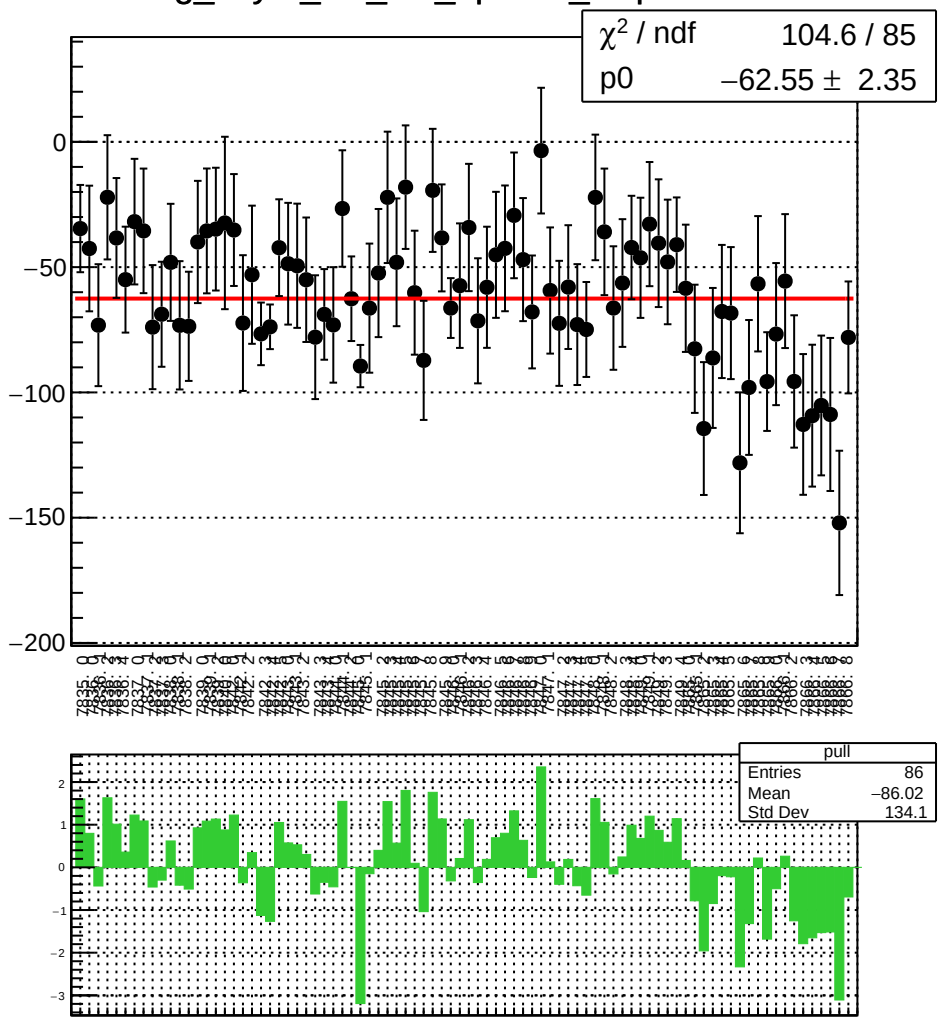

pull1D
Entries 86
Mean 0.1084
Std Dev 0.9393

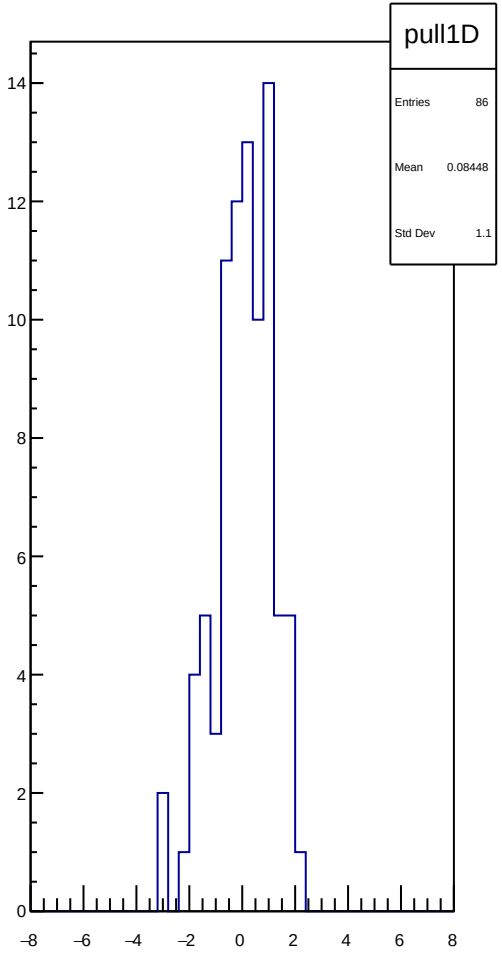

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 349.6 / 85
p0 −27 ± 0.7292
pull
Entries 86
Mean 65.95
Std Dev 22.9
pull1D
Entries 86
Mean 0.9536
Std Dev 1.192

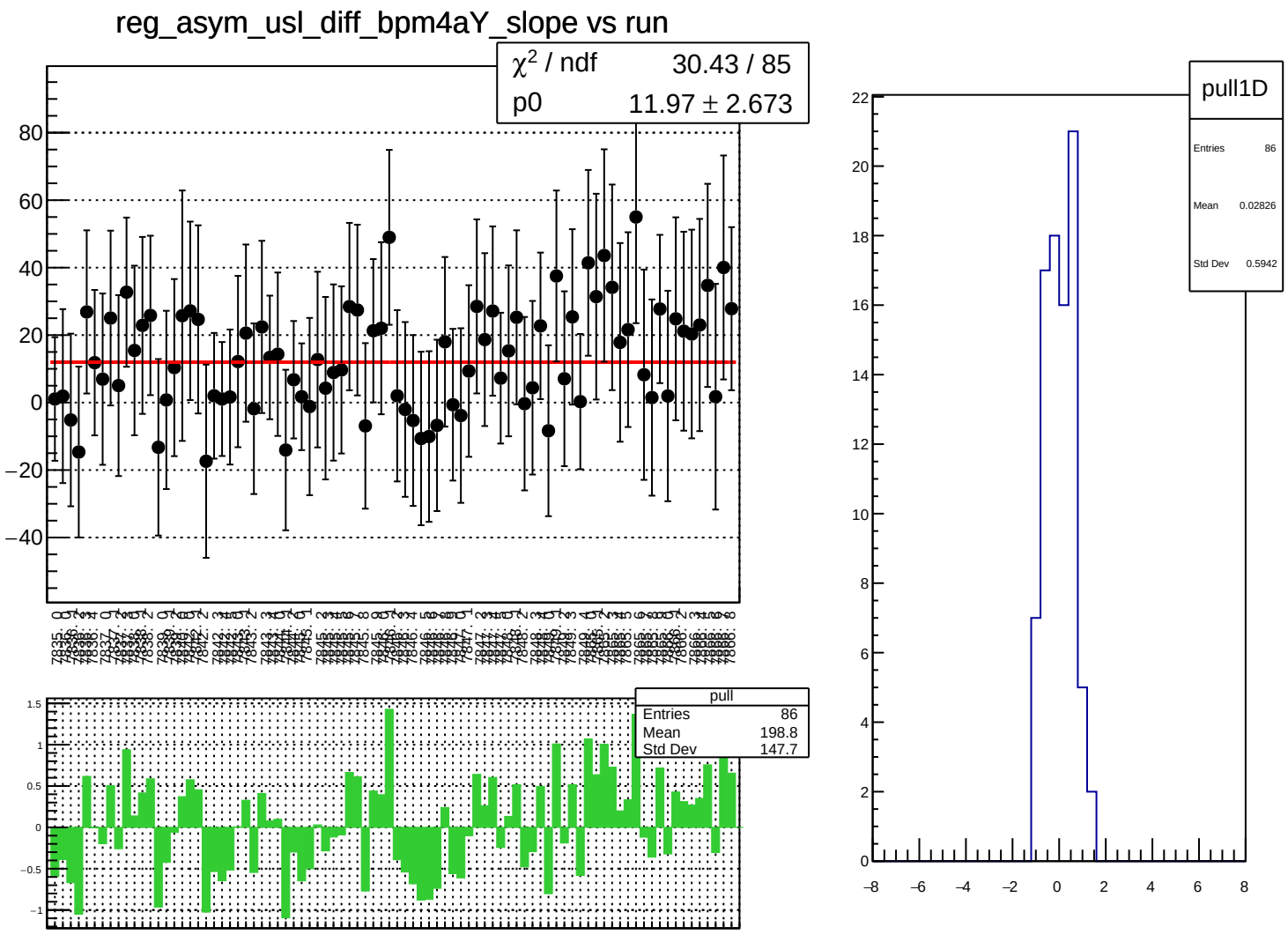

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 51.88 / 85
p0 8.187 ± 1.086
pull
Entries 86
Mean 78.69
Std Dev 35.23
pull1D
Entries 86
Mean −0.05686
Std Dev 0.7746

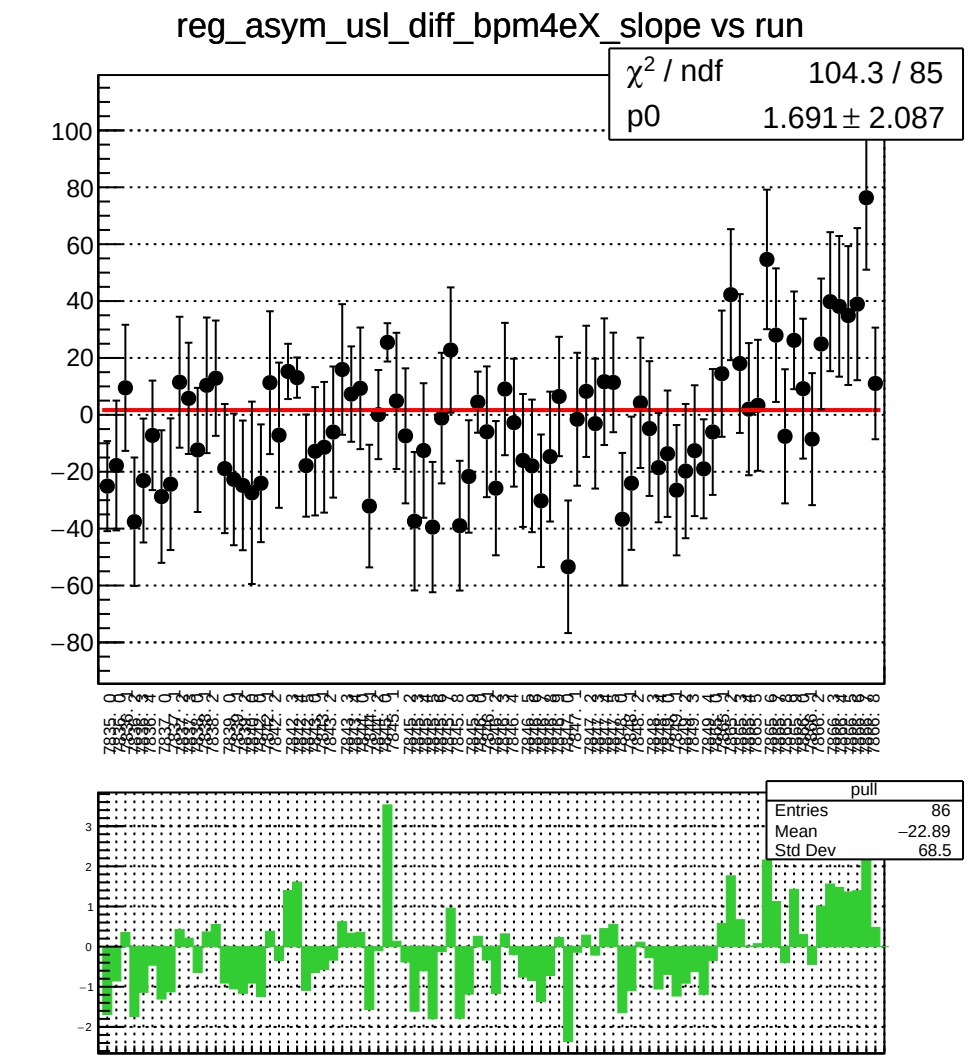

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 68.85 / 85
p0 −0.6486 ± 0.0321
pull
Entries 86
Mean 262
Std Dev 208.5

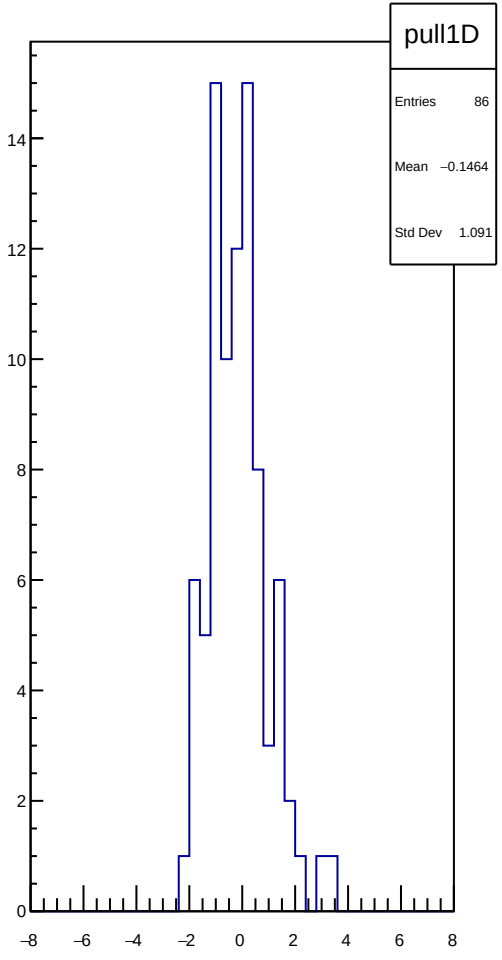

pull1D
Entries 86
Mean −0.06532
Std Dev 0.8924

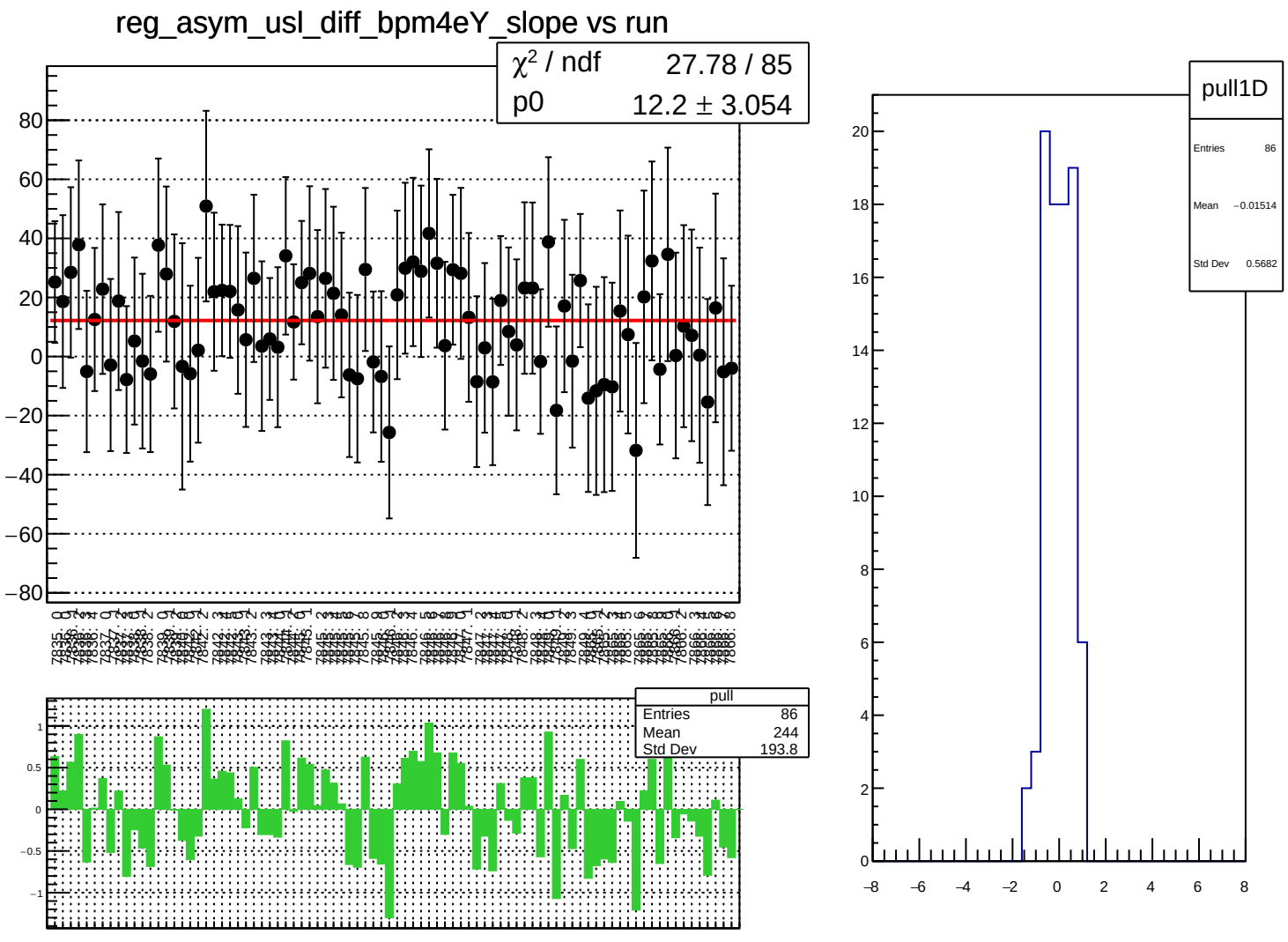

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 104.6 / 85
p0 −62.55 ± 2.35
pull
Entries 86
Mean −86.02
Std Dev 134.1

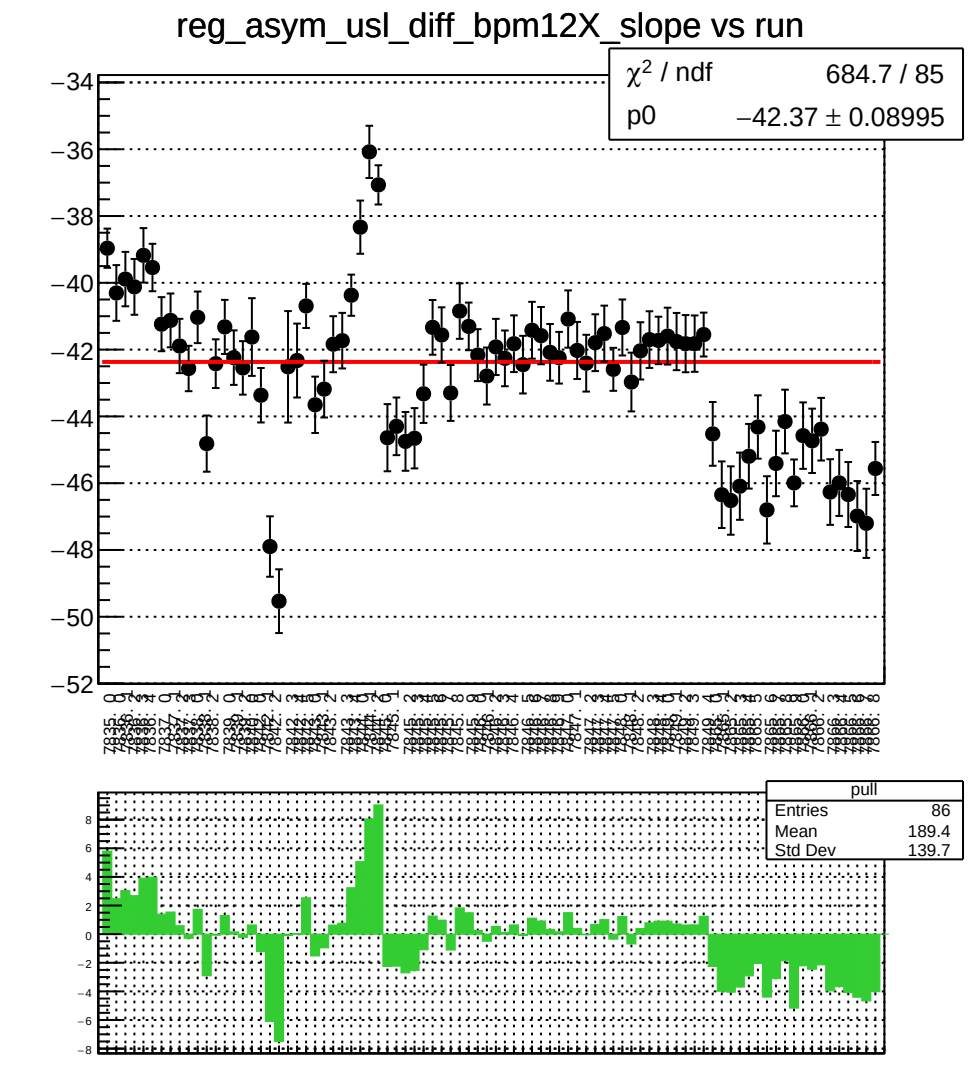

pull1D
Entries 86
Mean 0.08448
Std Dev 1.1

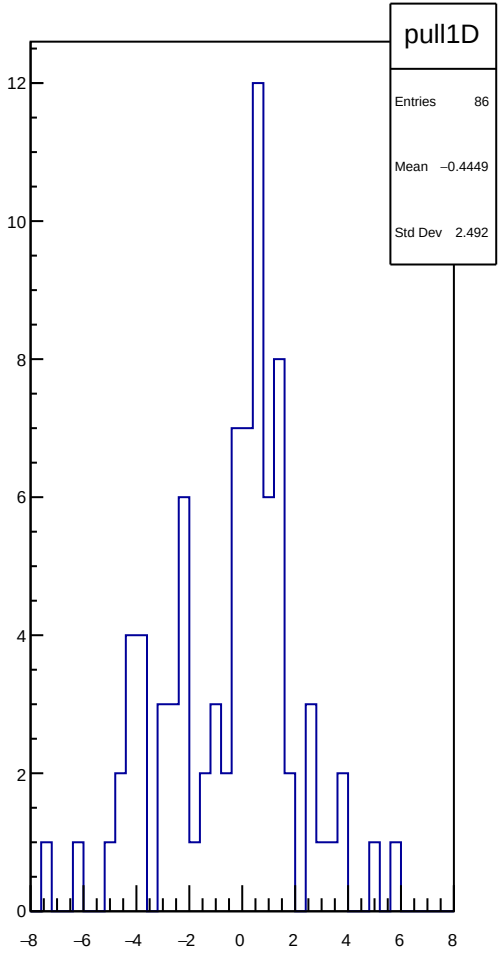

reg_asym_usl_diff_bpm4aY_slope vs run
χ^2 / ndf 30.43 / 85
p0 11.97 ± 2.673
pull
Entries 86
Mean 198.8
Std Dev 147.7
pull1D
Entries 86
Mean 0.02826
Std Dev 0.5942

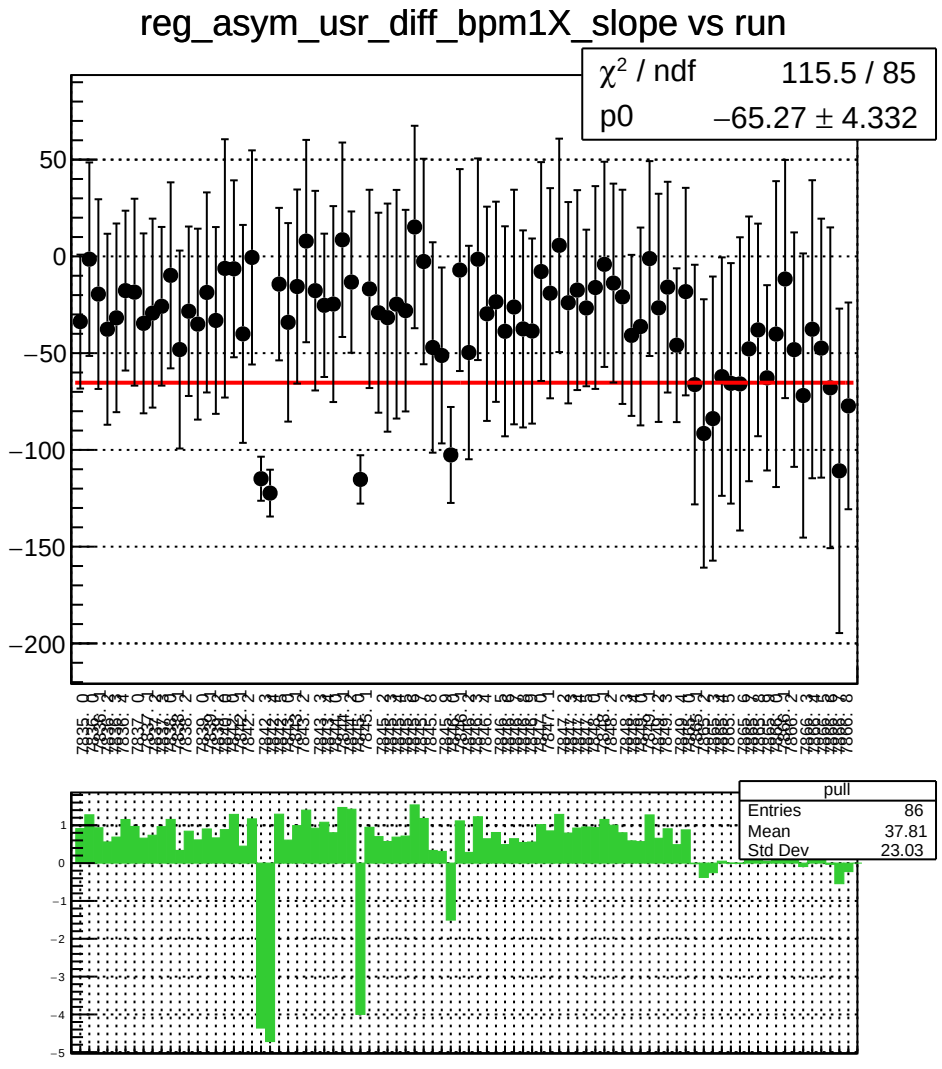

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 104.3 / 85
p0 1.691 ± 2.087
pull
Entries 86
Mean −22.89
Std Dev 68.5

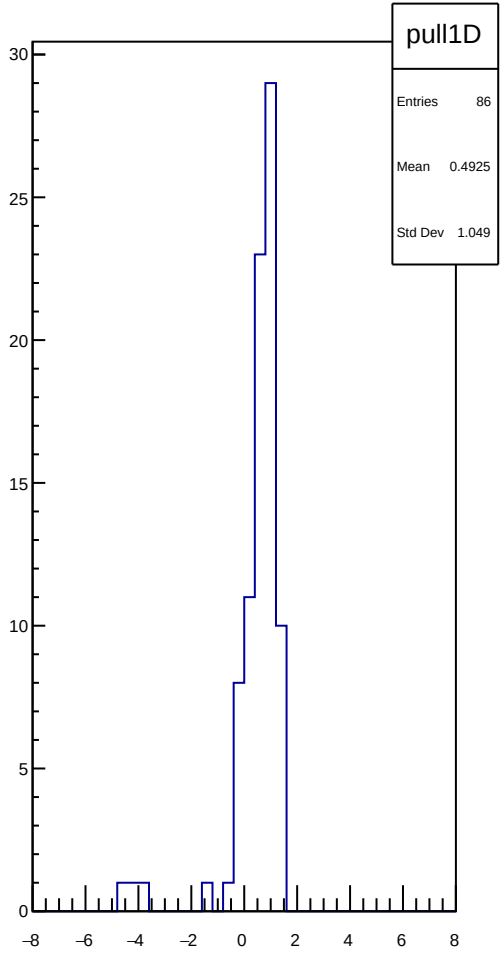

pull1D
Entries 86
Mean −0.1464
Std Dev 1.091

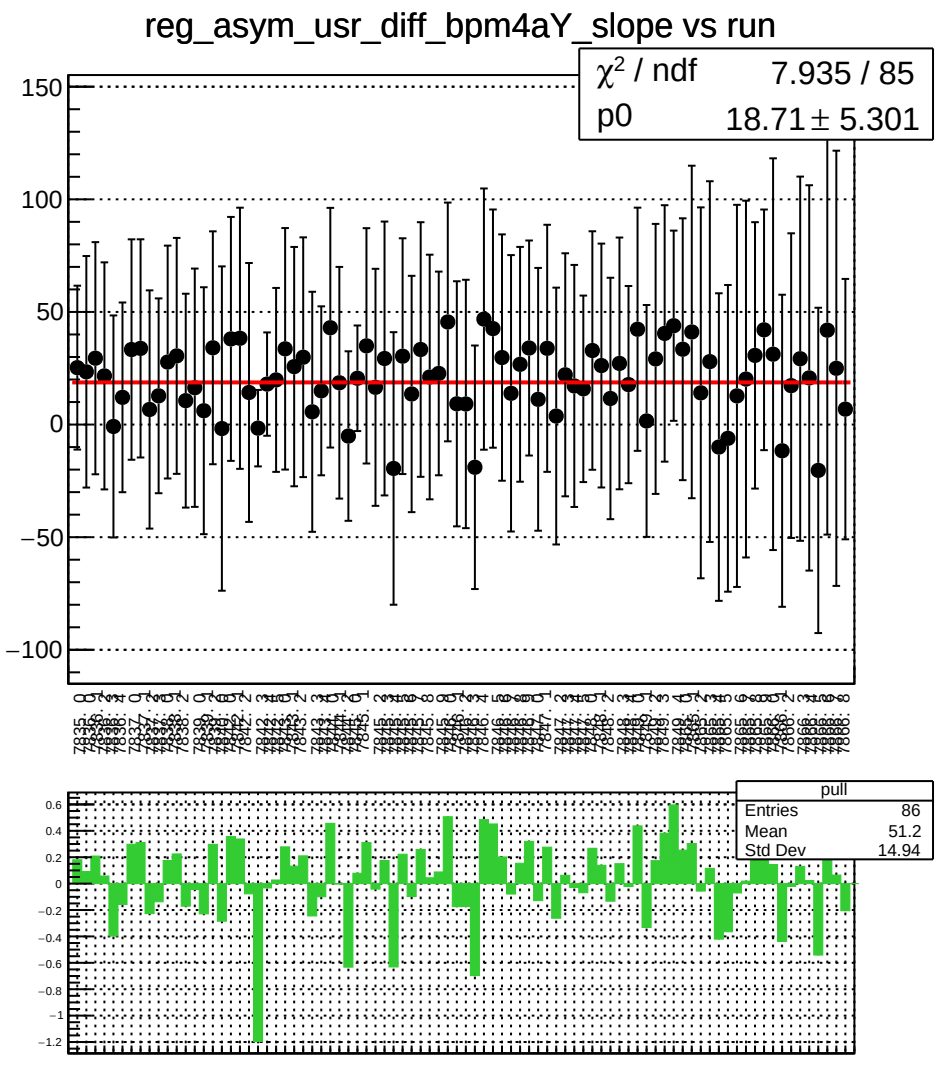

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 27.78 / 85
p0 12.2 ± 3.054
pull
Entries 86
Mean 244
Std Dev 193.8
pull1D
Entries 86
Mean −0.01514
Std Dev 0.5682

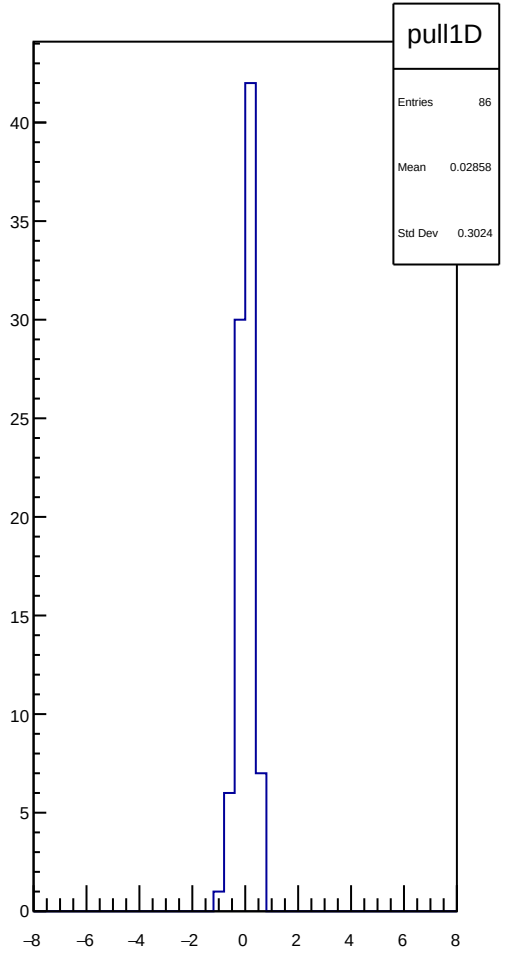

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 684.7 / 85
p0 −42.37 ± 0.08995
pull
Entries 86
Mean 189.4
Std Dev 139.7

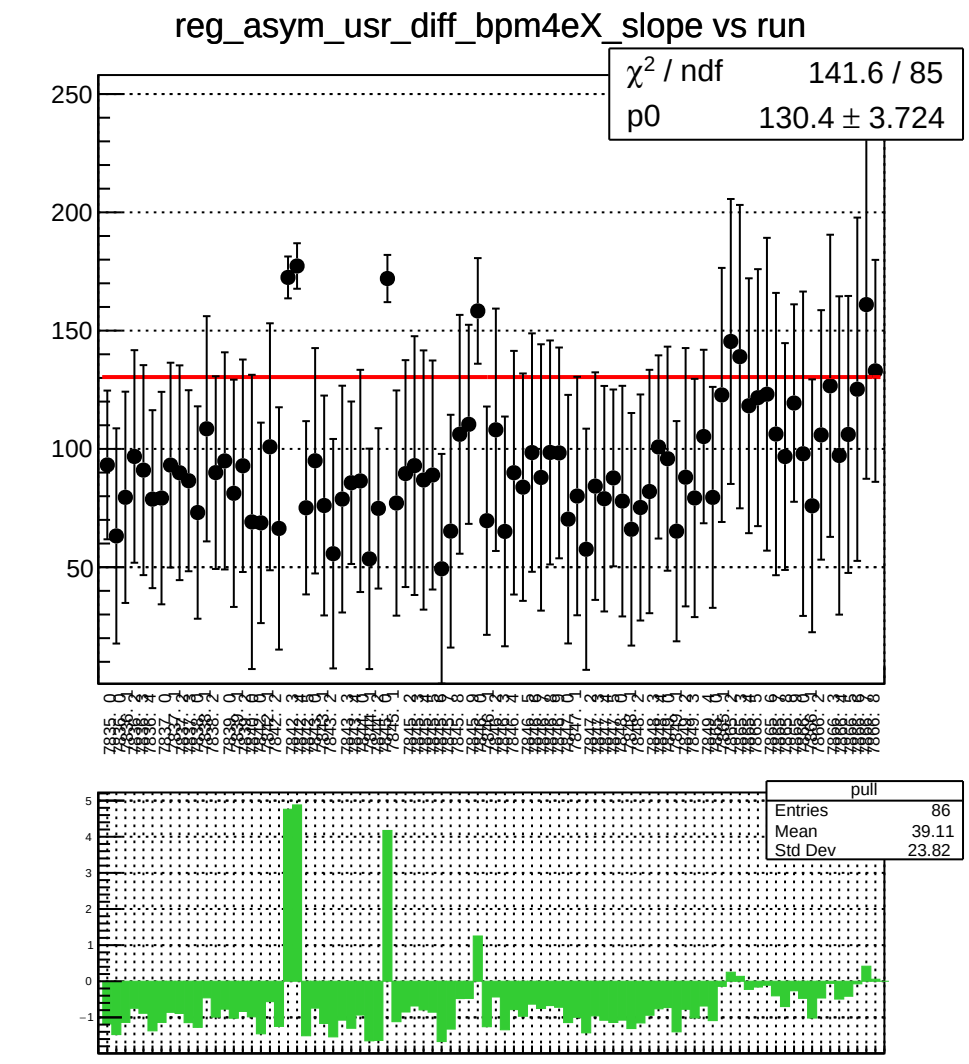

pull1D
Entries 86
Mean −0.4449
Std Dev 2.492

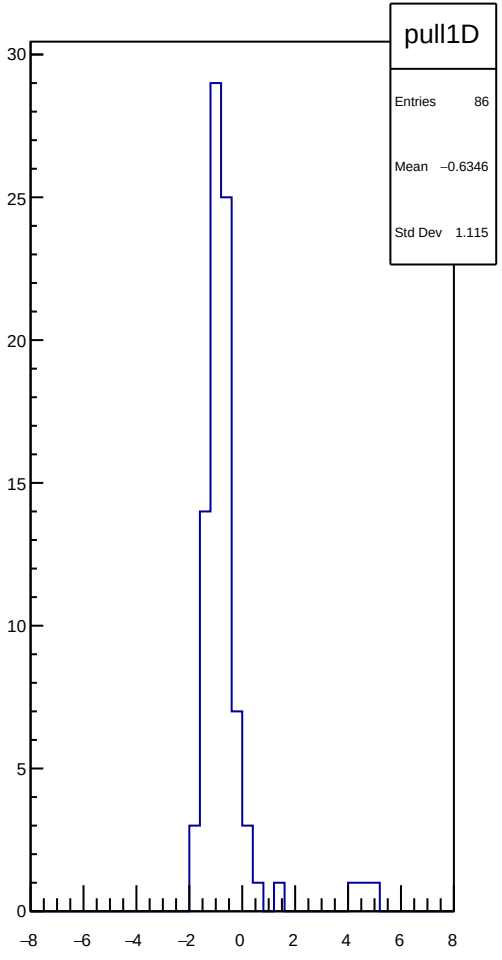

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 115.5 / 85
p0 −65.27 ± 4.332
50
0
−50
−100
−150
−200
pull
Entries 86
Mean 37.81
Std Dev 23.03
1
0
−1
−2
−3
−4
−5

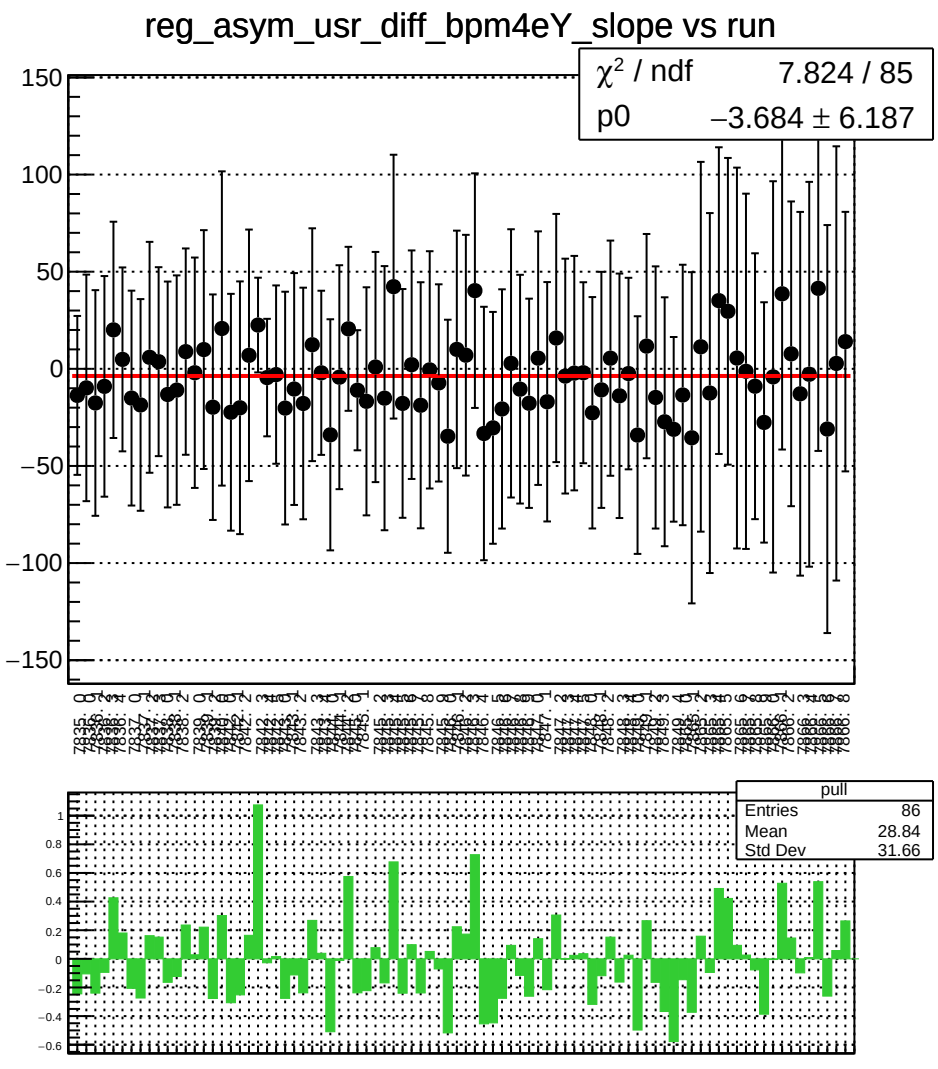

pull1D
Entries 86
Mean 0.4925
Std Dev 1.049
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

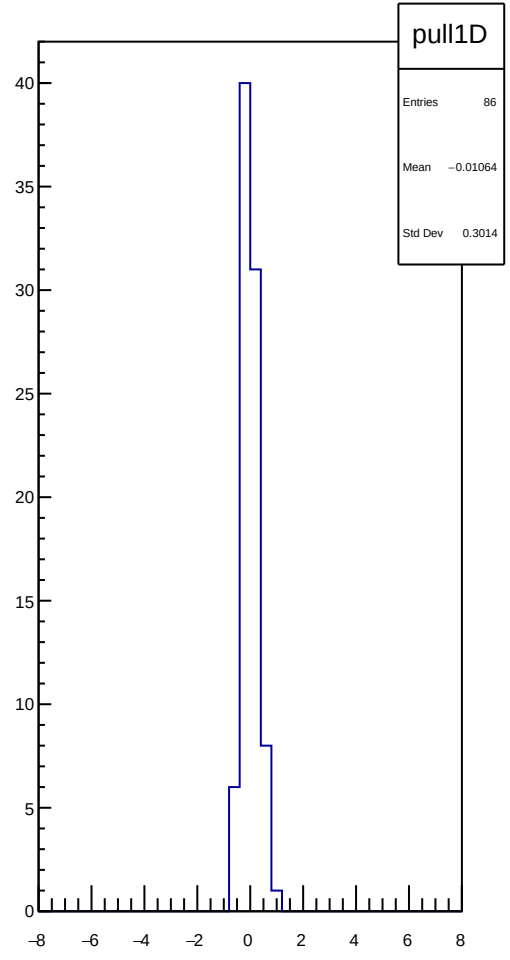

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 7.935 / 85
p0 18.71 ± 5.301
150
100
50
0
−50
−100
pull
Entries 86
Mean 51.2
Std Dev 14.94
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

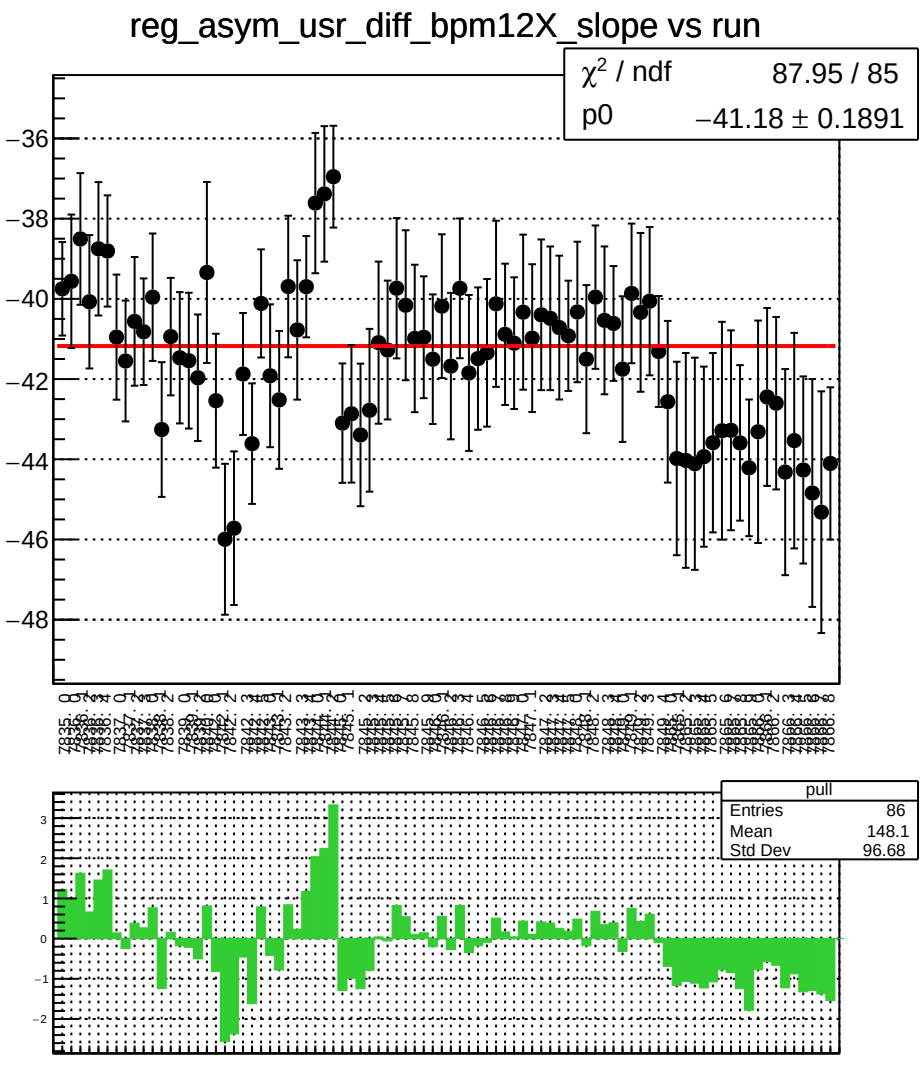

pull1D
Entries 86
Mean 0.02858
Std Dev 0.3024
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

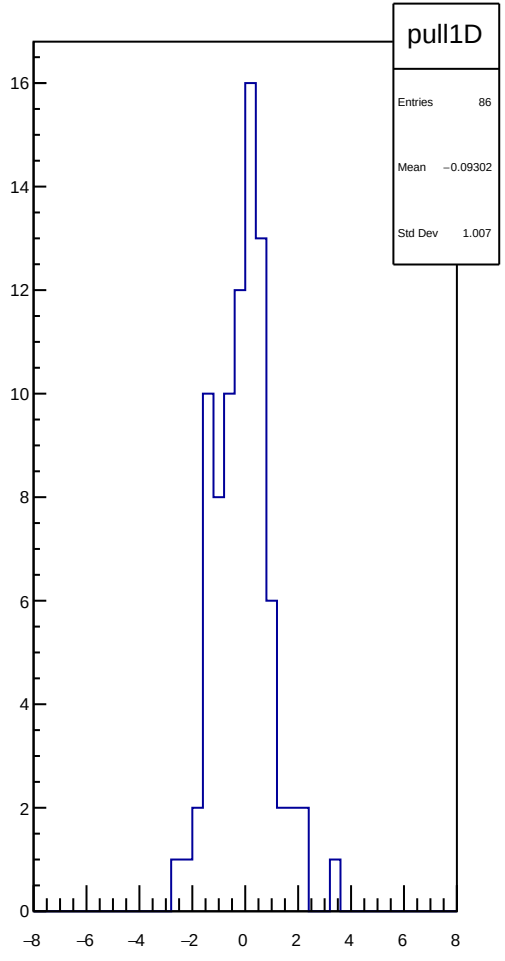

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 141.6 / 85
p0 130.4 ± 3.724
250
200
150
100
50
pull
Entries 86
Mean 39.11
Std Dev 23.82
5
4
3
2
1
0
−1

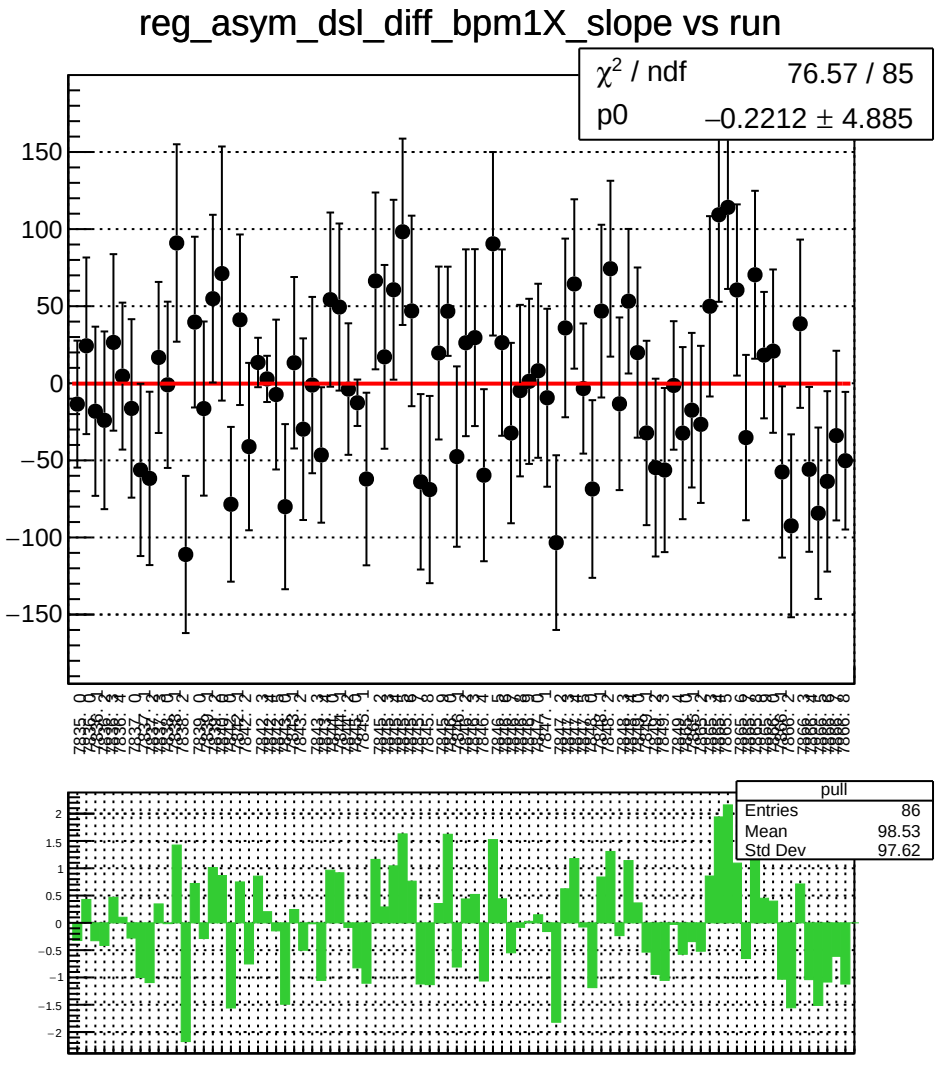

pull1D
Entries 86
Mean −0.6346
Std Dev 1.115
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

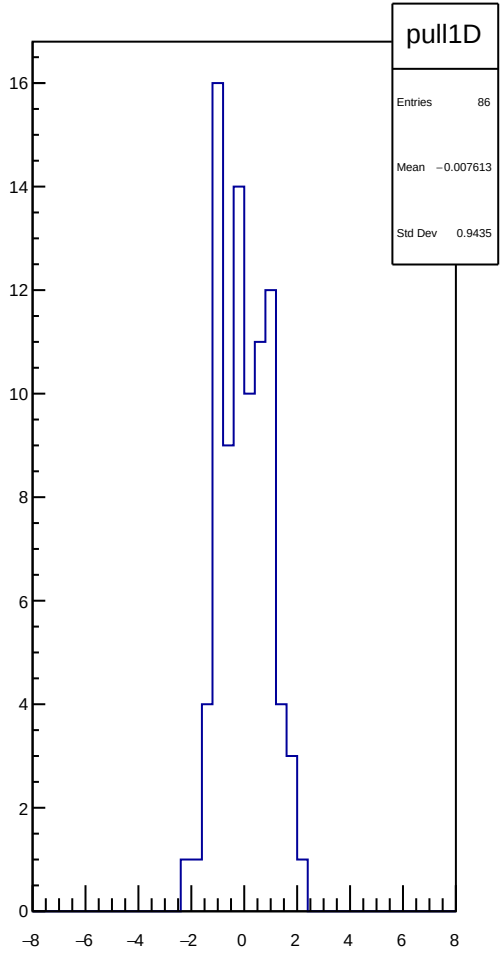

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 7.824 / 85
p0 −3.684 ± 6.187
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 28.84
Std Dev 31.66
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

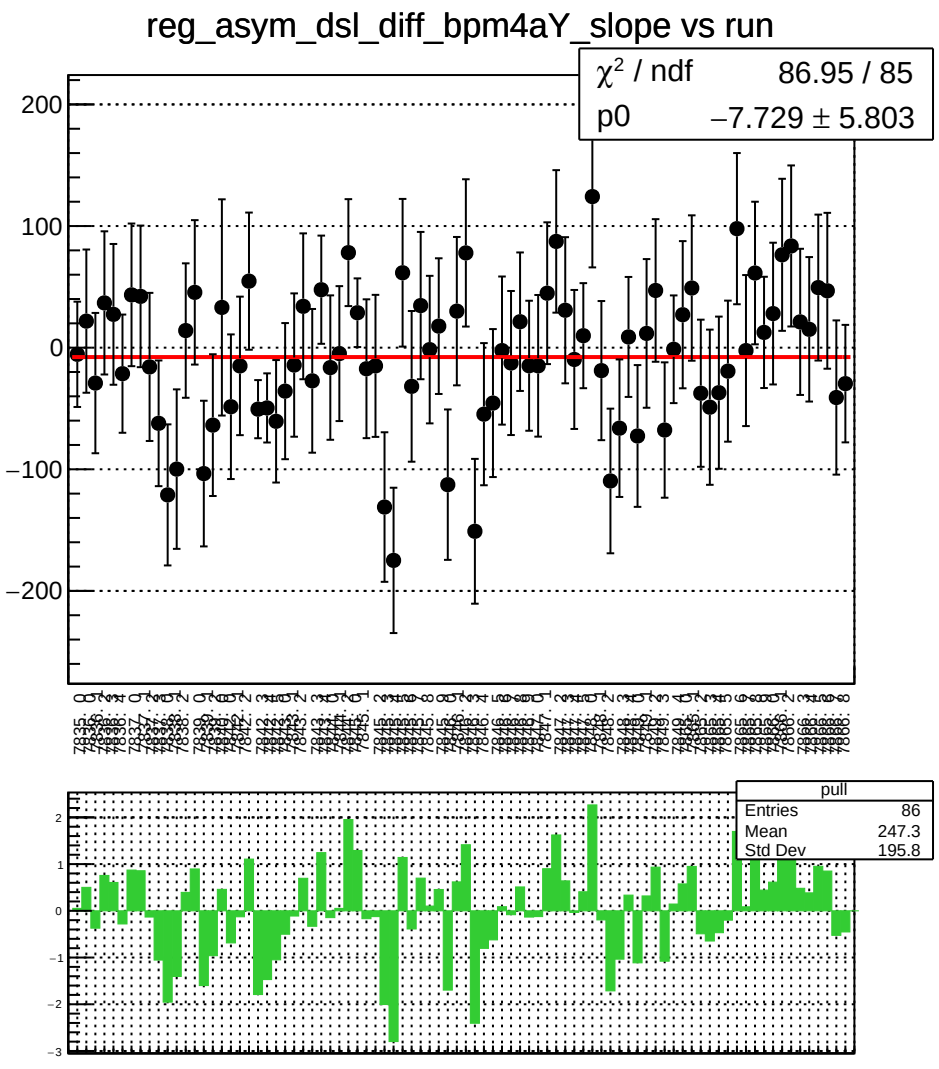

pull1D
Entries 86
Mean −0.01064
Std Dev 0.3014
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

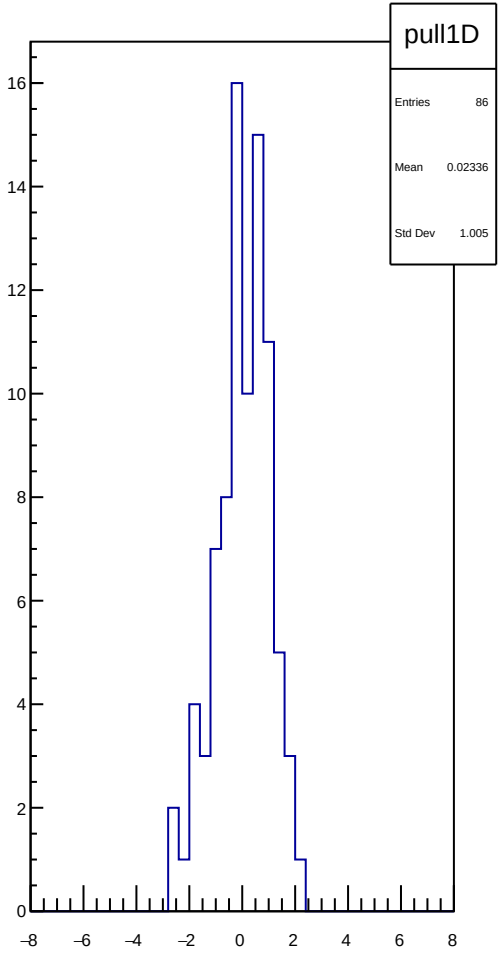

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 87.95 / 85
p0 −41.18 ± 0.1891
−36
−38
−40
−42
−44
−46
−48
pull
Entries 86
Mean 148.1
Std Dev 96.68
3
2
1
0
−1
−2

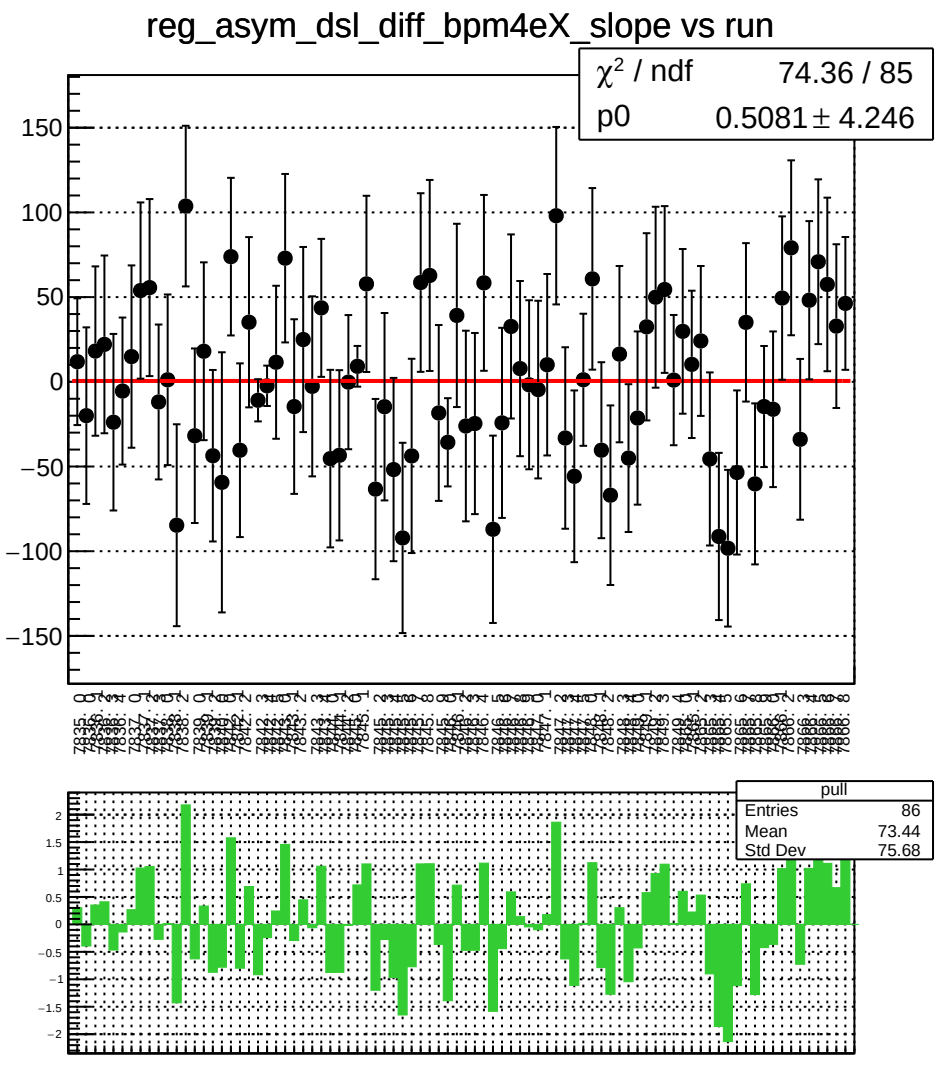

pull1D
Entries 86
Mean −0.09302
Std Dev 1.007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

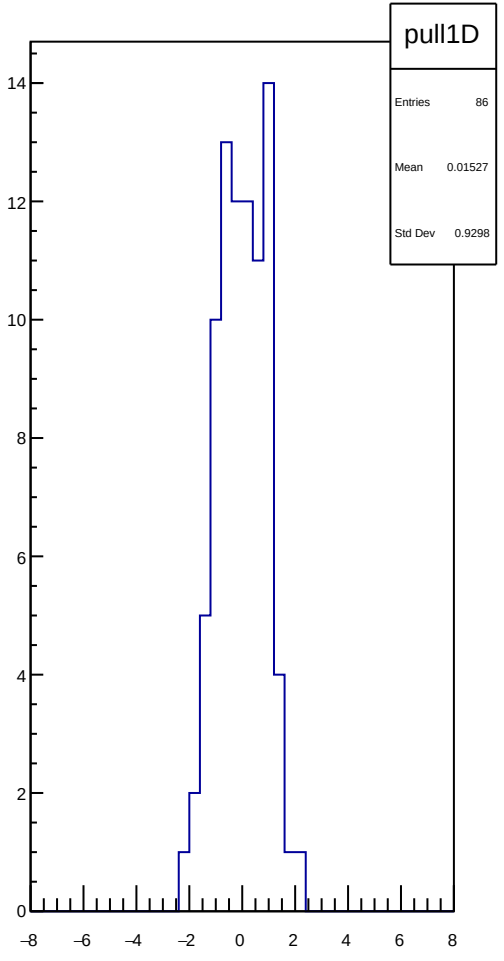

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 76.57 / 85
p0 −0.2212 ± 4.885
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 98.53
Std Dev 97.62
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

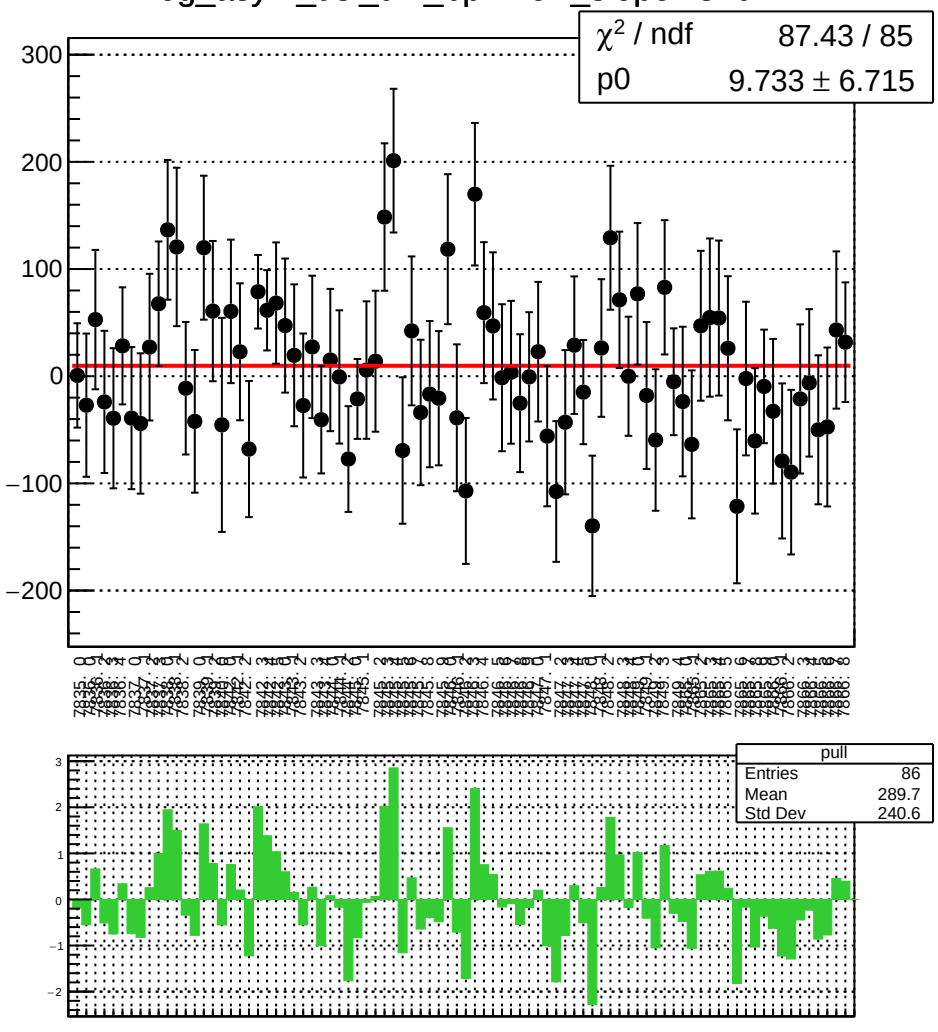

pull1D
Entries 86
Mean −0.007613
Std Dev 0.9435
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

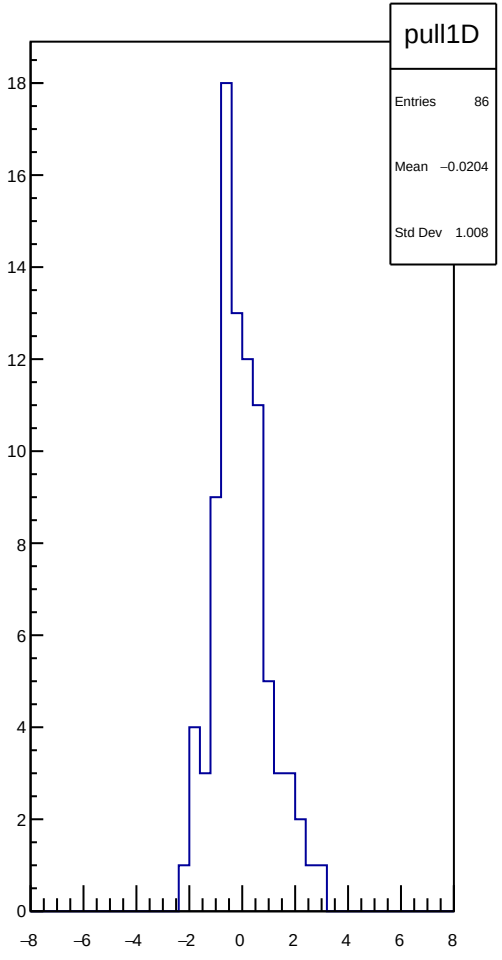

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 86.95 / 85
p0 −7.729 ± 5.803
pull
Entries 86
Mean 247.3
Std Dev 195.8

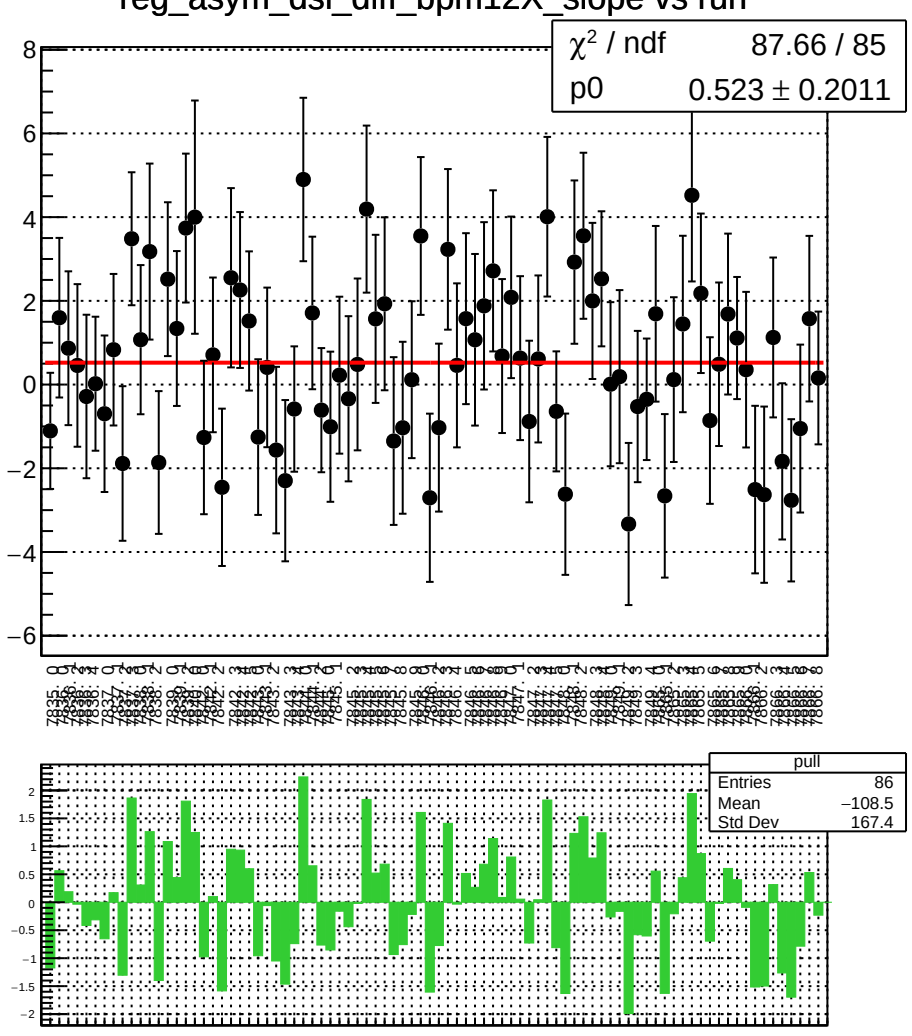

pull1D
Entries 86
Mean 0.02336
Std Dev 1.005

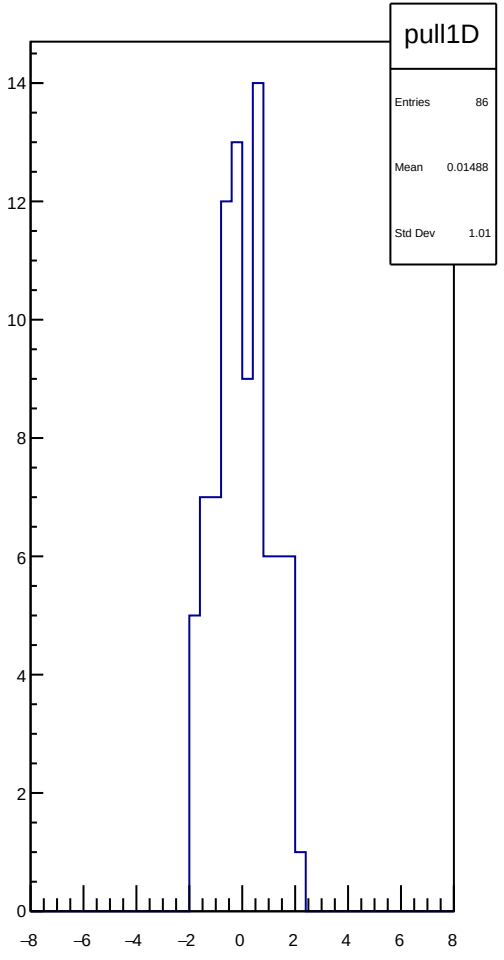

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 74.36 / 85
p0 0.5081 ± 4.246
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 73.44
Std Dev 75.68
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

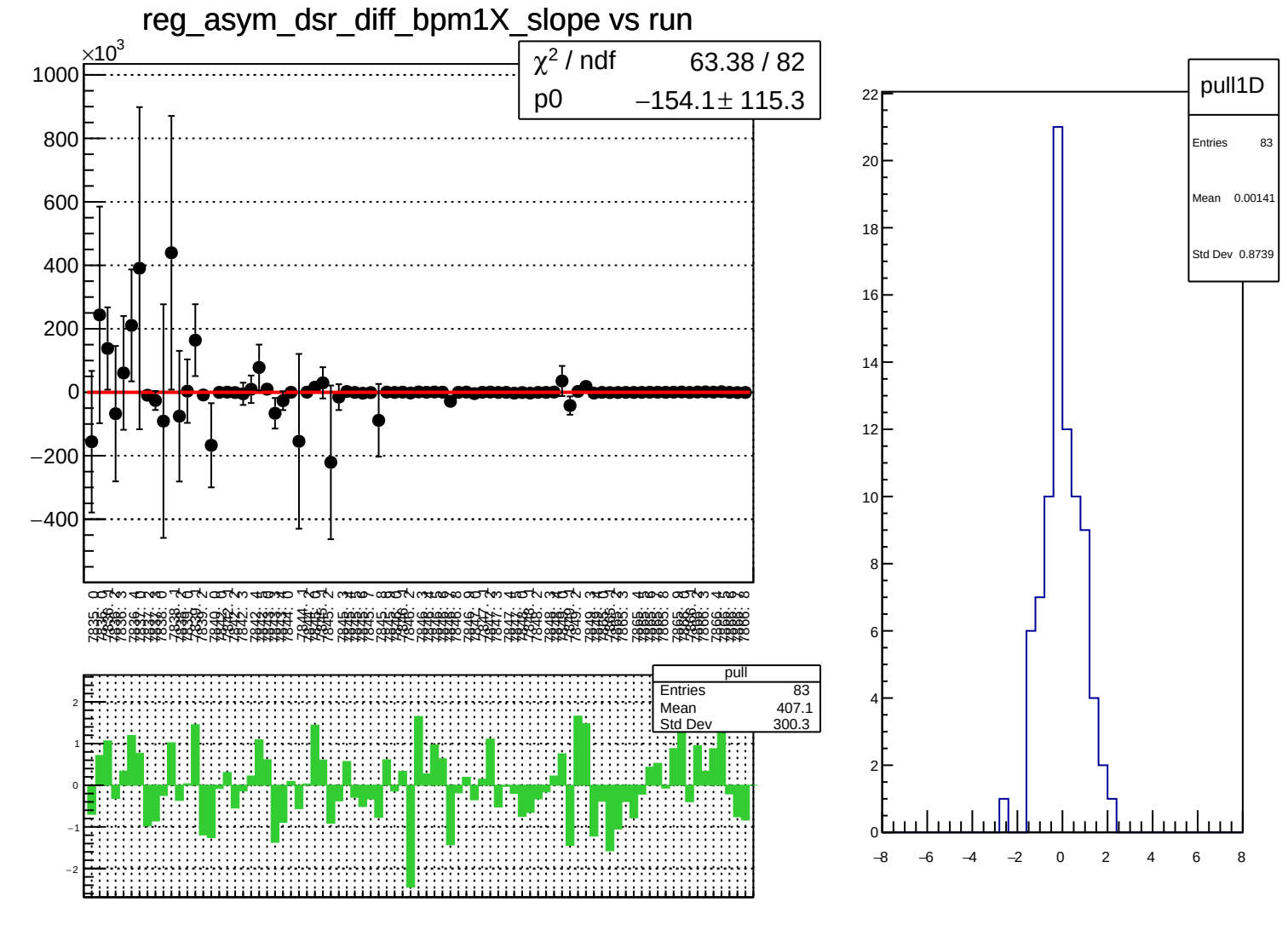

pull1D
Entries 86
Mean 0.01527
Std Dev 0.9298
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

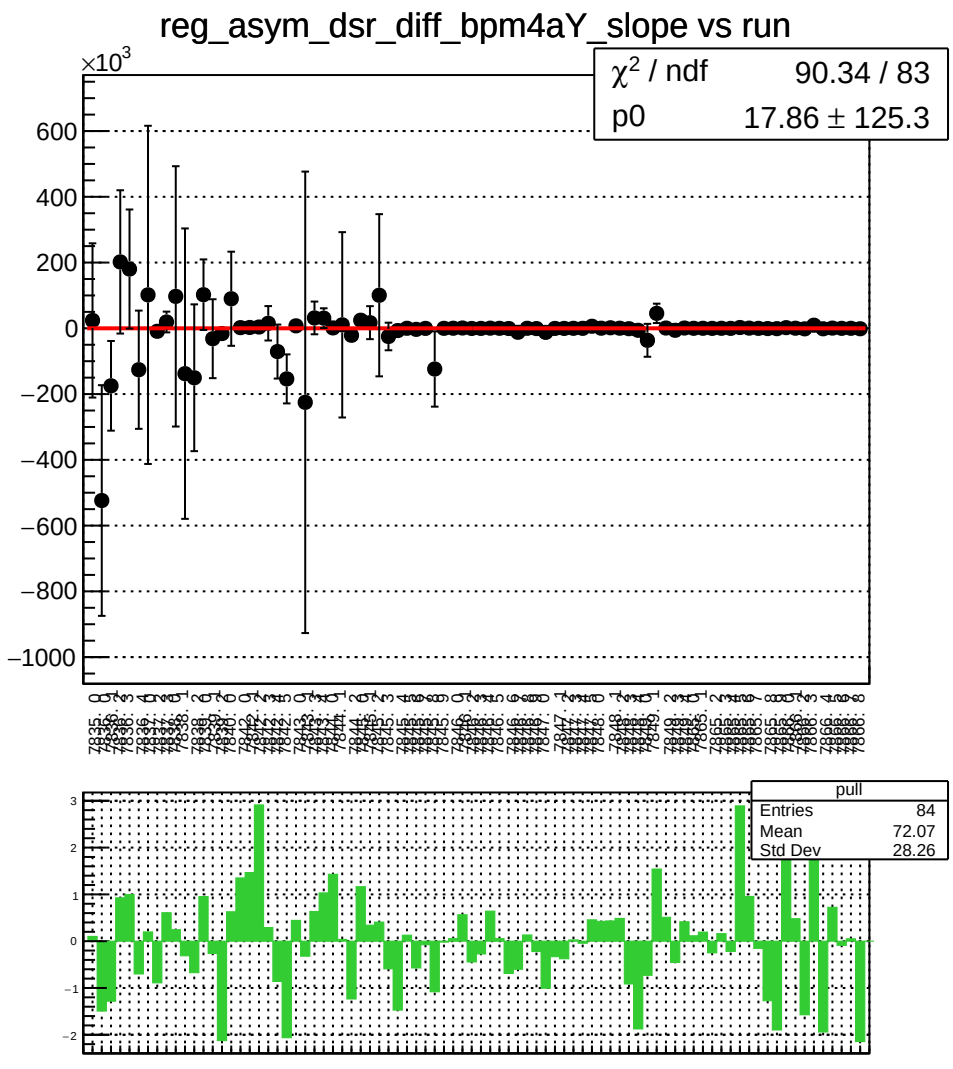

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 87.43 / 85
p0 9.733 ± 6.715
pull
Entries 86
Mean 289.7
Std Dev 240.6

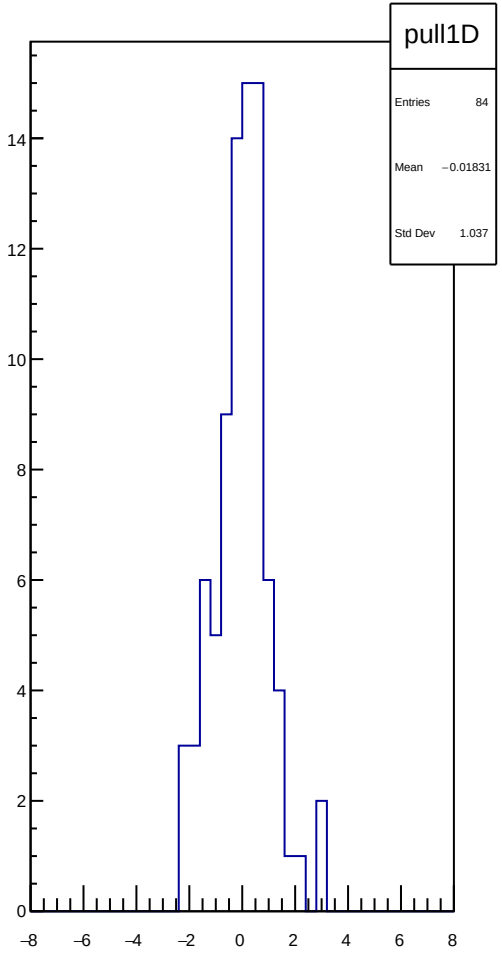

pull1D
Entries 86
Mean −0.0204
Std Dev 1.008

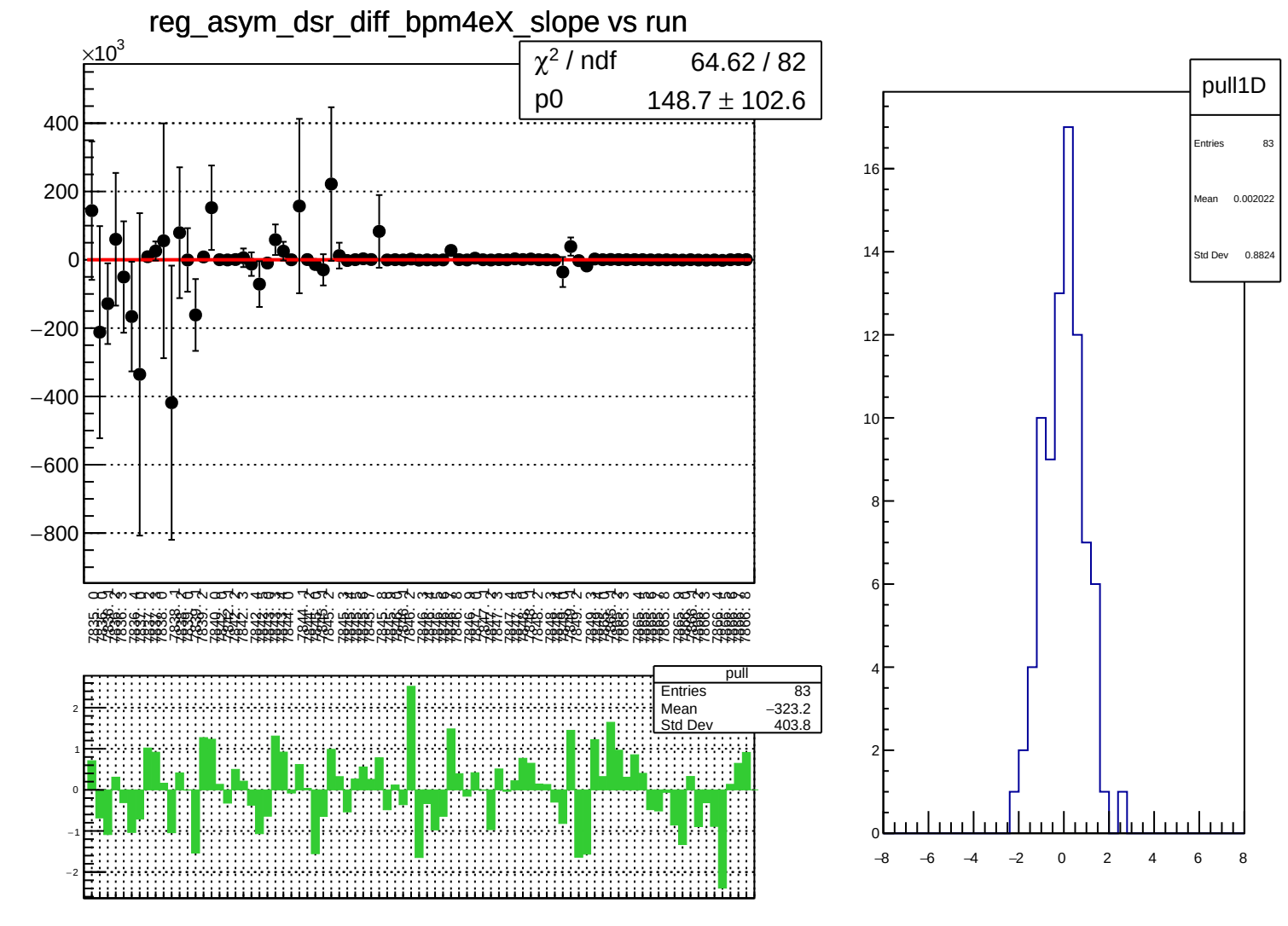

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 87.66 / 85
p0 0.523 ± 0.2011
pull
Entries 86
Mean −108.5
Std Dev 167.4

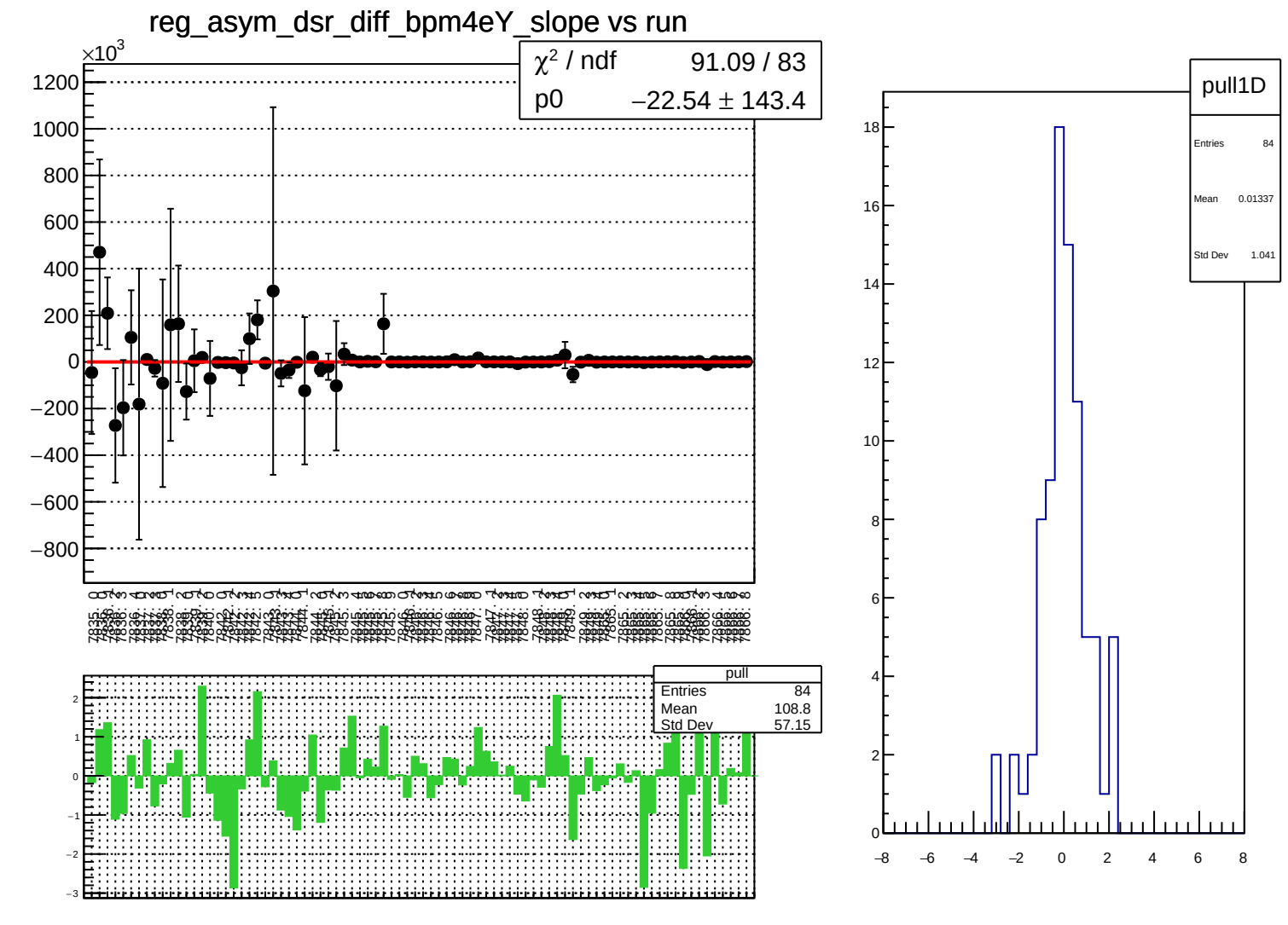

pull1D
Entries 86
Mean 0.01488
Std Dev 1.01

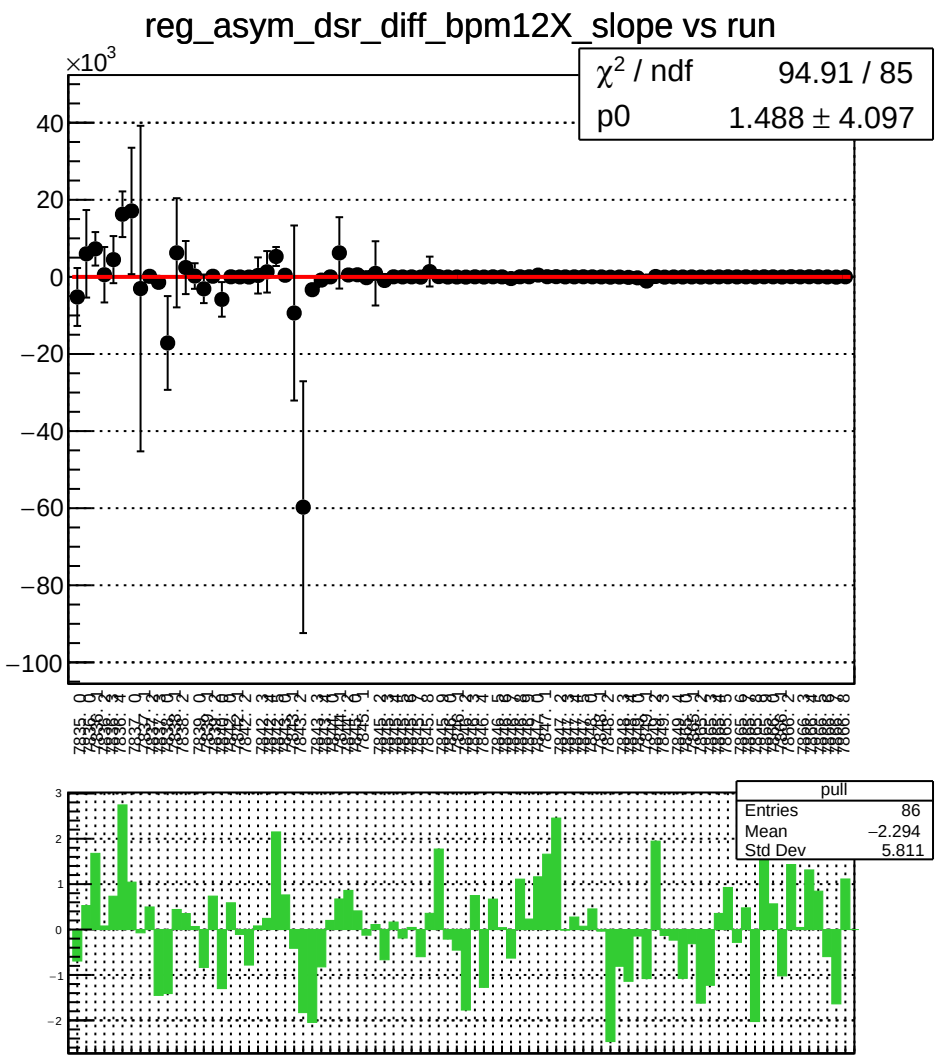

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 63.38 / 82
p0 −154.1± 115.3
pull
Entries 83
Mean 407.1
Std Dev 300.3
pull1D
Entries 83
Mean 0.00141
Std Dev 0.8739

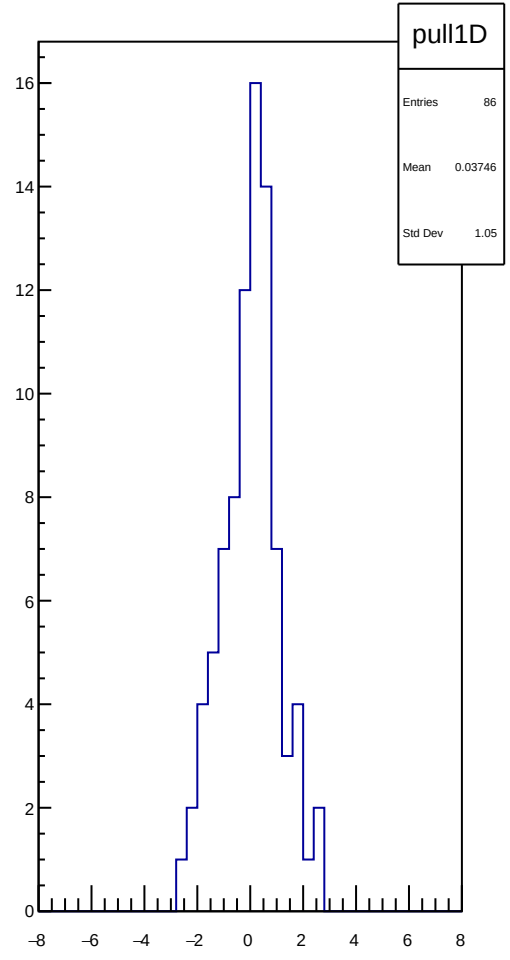

reg_asym_dsr_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 90.34 / 83
p0 17.86 ± 125.3
pull
Entries 84
Mean 72.07
Std Dev 28.26

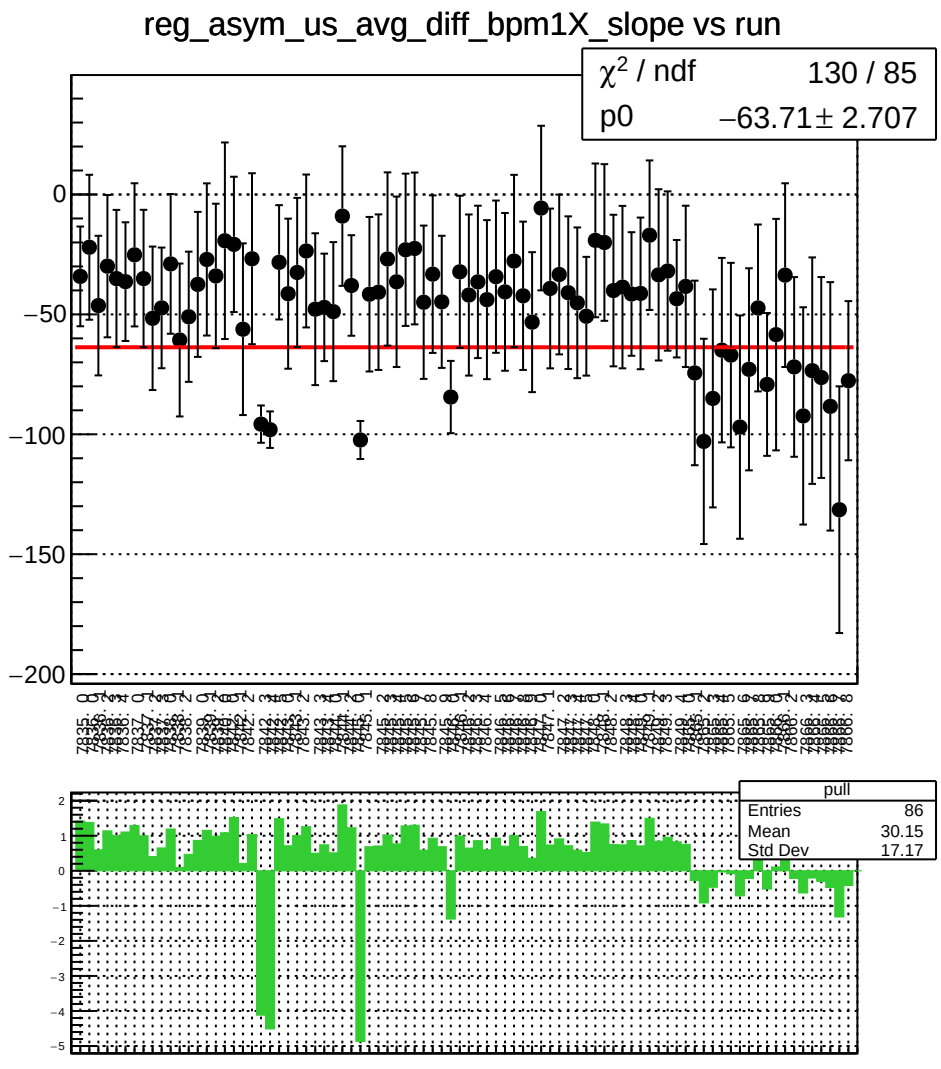

pull1D
Entries 84
Mean −0.01831
Std Dev 1.037

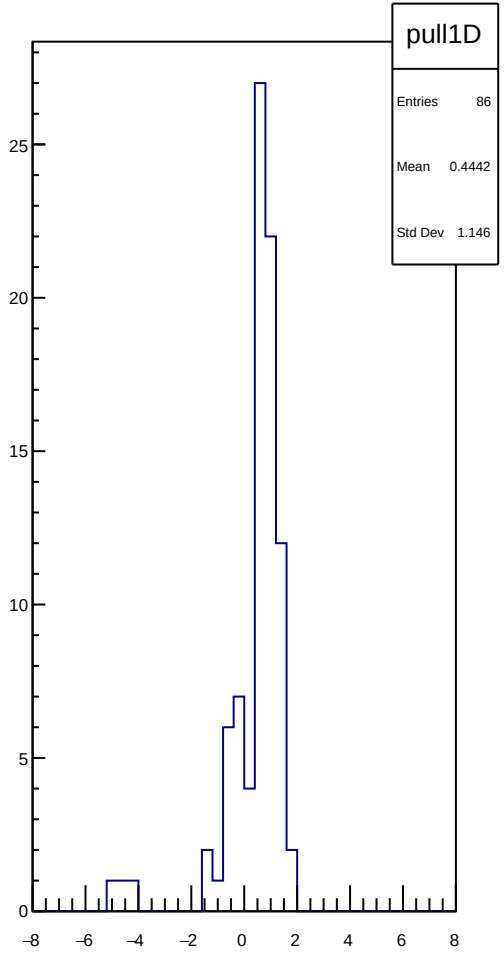

reg_asym_dsr_diff_bpm4eX_slope vs run
×10^3
χ^2 / ndf 64.62 / 82
p0 148.7 ± 102.6
pull
Entries 83
Mean −323.2
Std Dev 403.8
pull1D
Entries 83
Mean 0.002022
Std Dev 0.8824

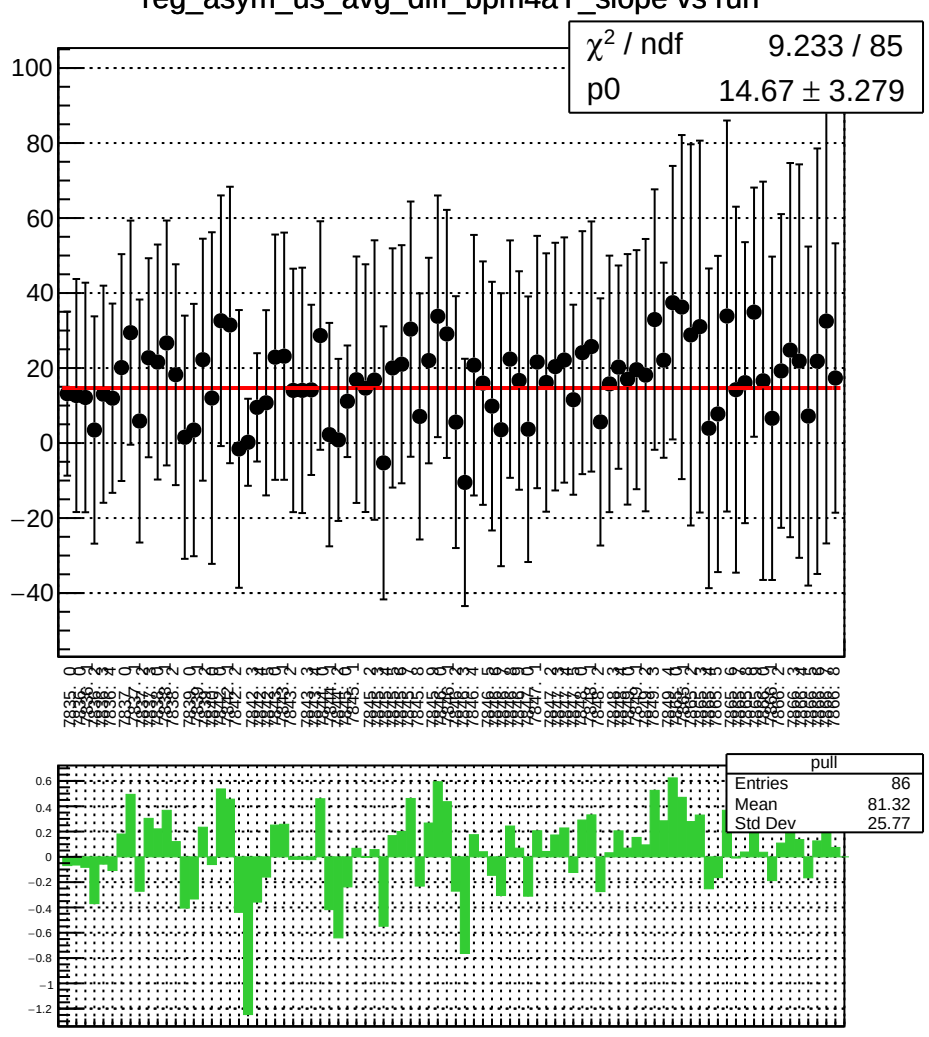

reg_asym_dsr_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 91.09 / 83
p0 −22.54 ± 143.4
pull
Entries 84
Mean 108.8
Std Dev 57.15
pull1D
Entries 84
Mean 0.01337
Std Dev 1.041

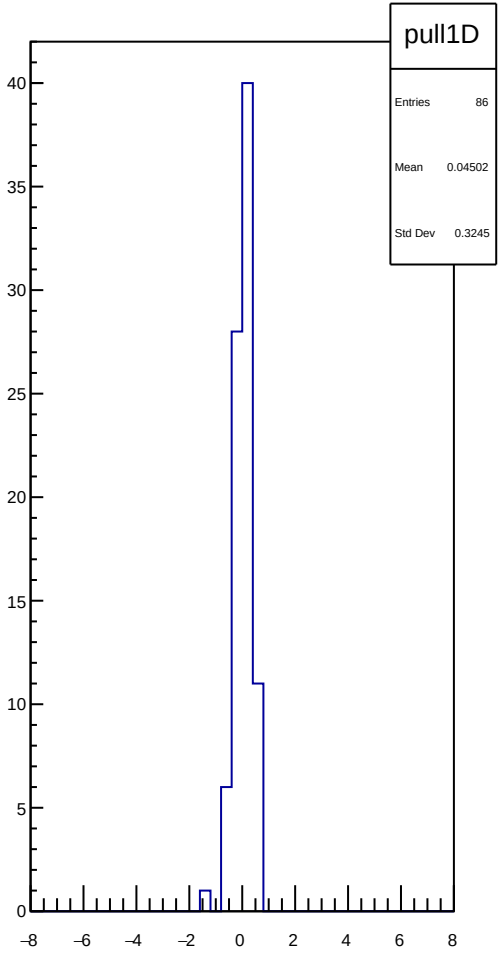

reg_asym_dsr_diff_bpm12X_slope vs run
×10^3
χ² / ndf 94.91 / 85
p0 1.488 ± 4.097
pull
Entries 86
Mean −2.294
Std Dev 5.811

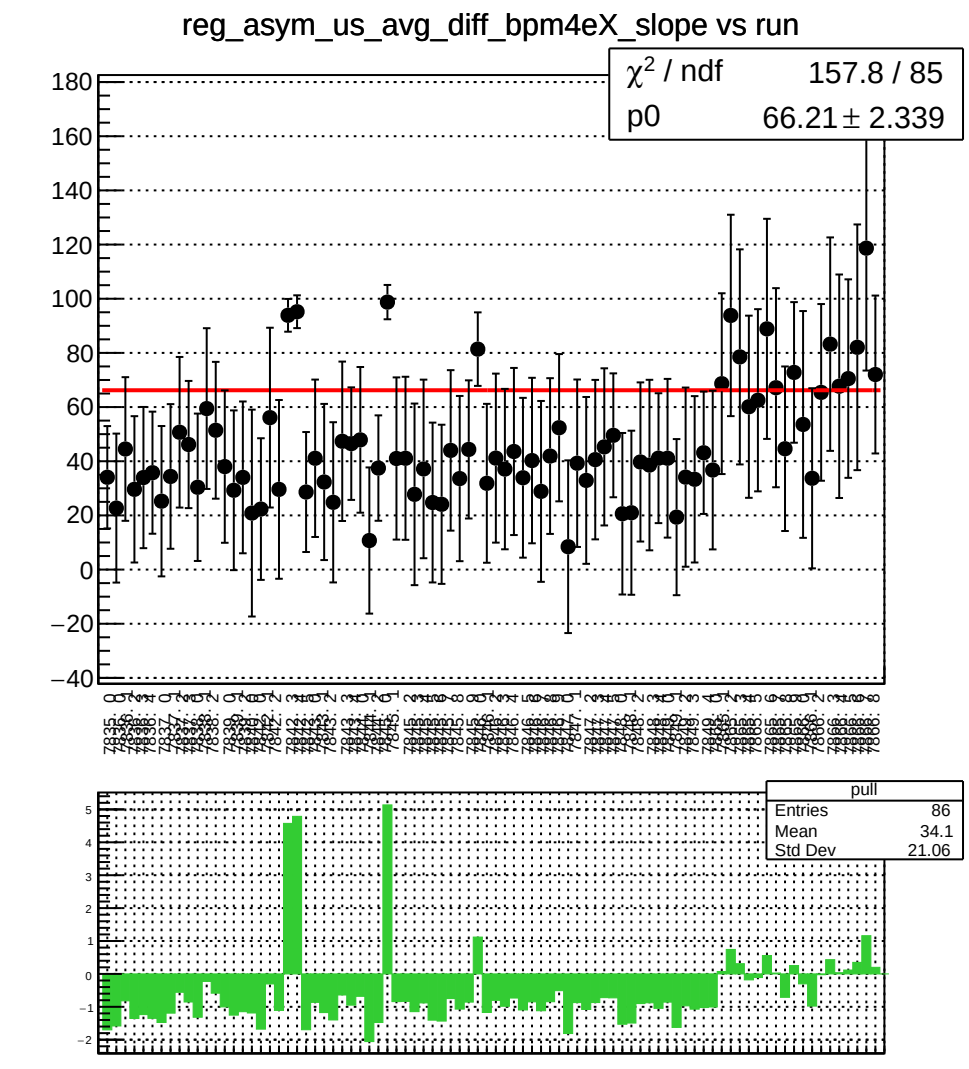

pull1D
Entries 86
Mean 0.03746
Std Dev 1.05

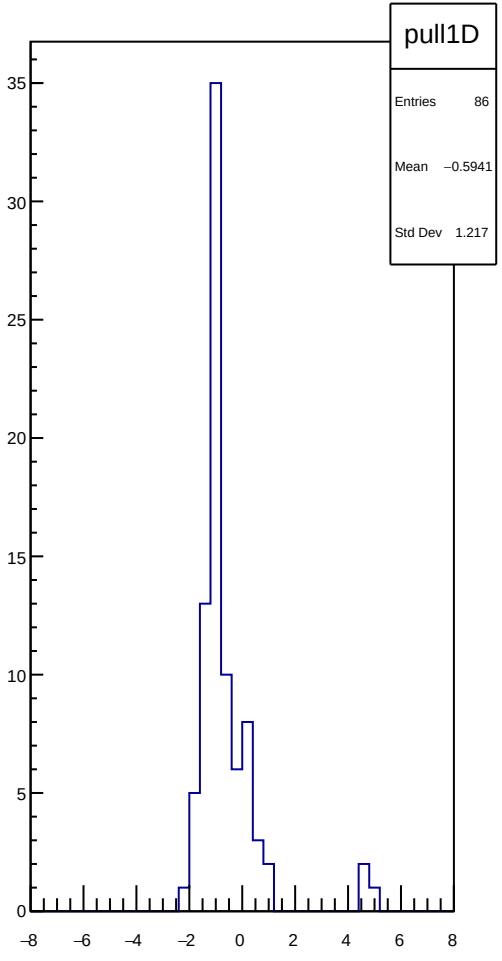

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 130 / 85
p0 −63.71± 2.707
pull
Entries 86
Mean 30.15
Std Dev 17.17

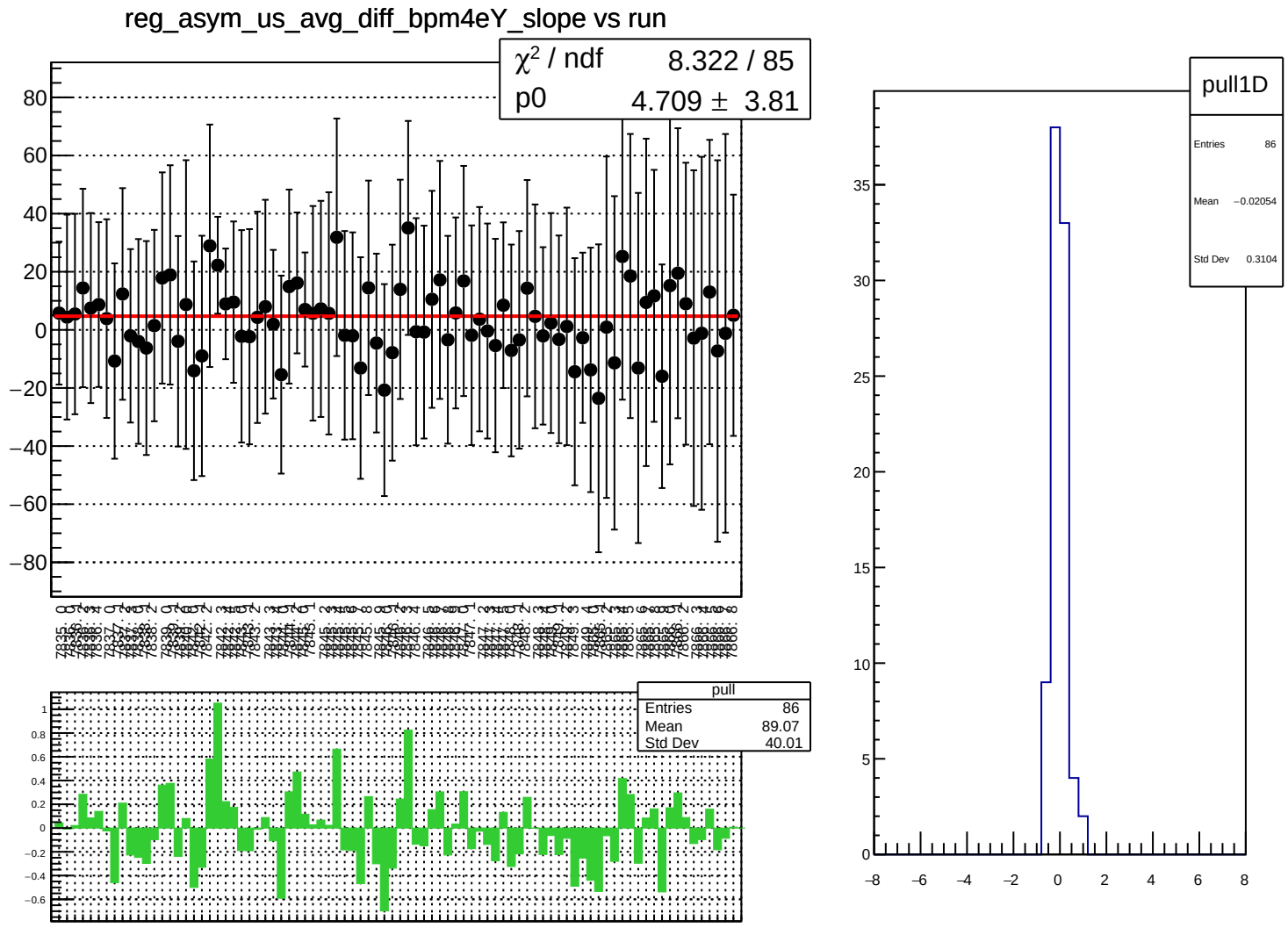

pull1D
Entries 86
Mean 0.4442
Std Dev 1.146

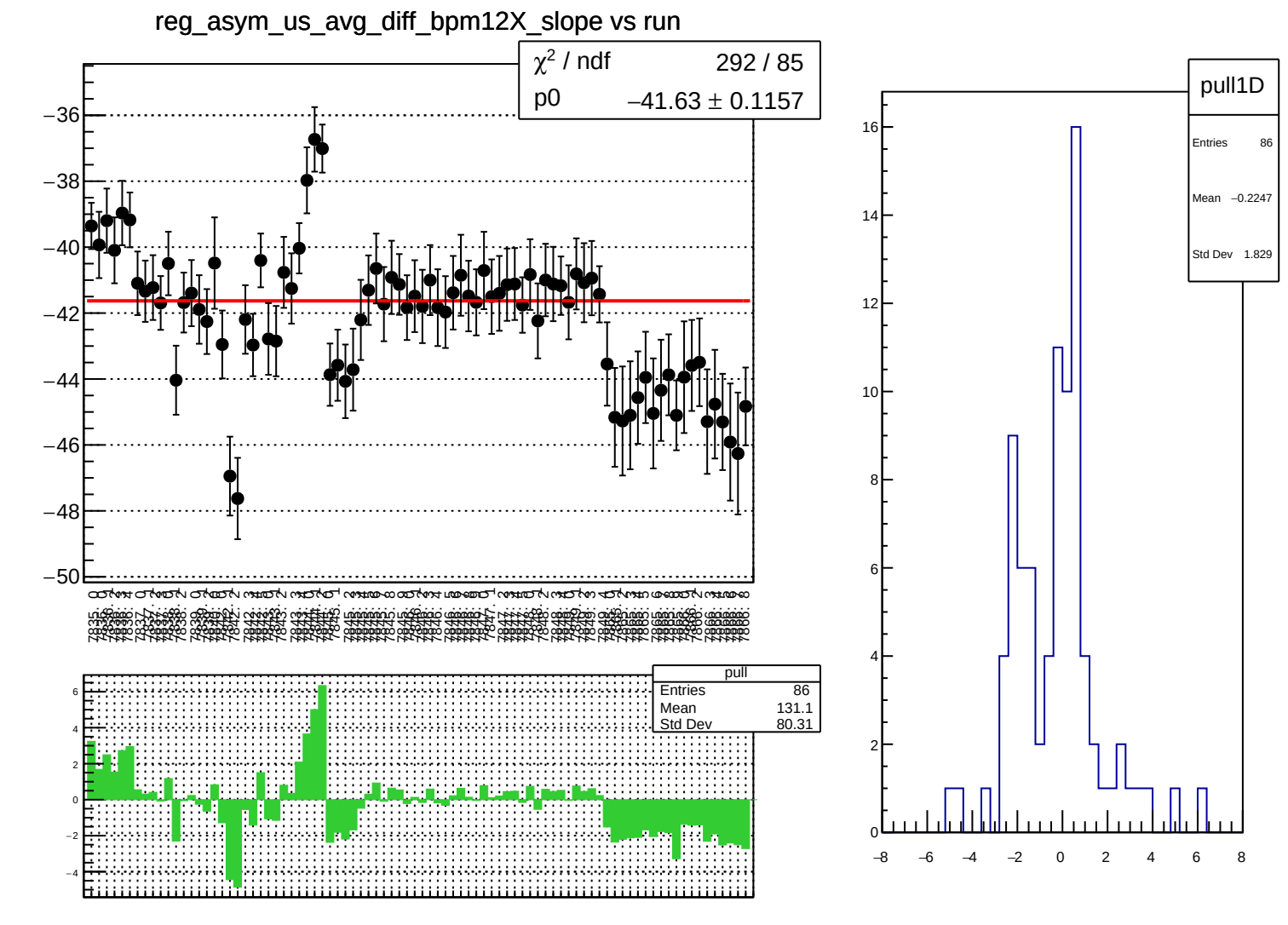

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 9.233 / 85
p0 14.67 ± 3.279
pull
Entries 86
Mean 81.32
Std Dev 25.77

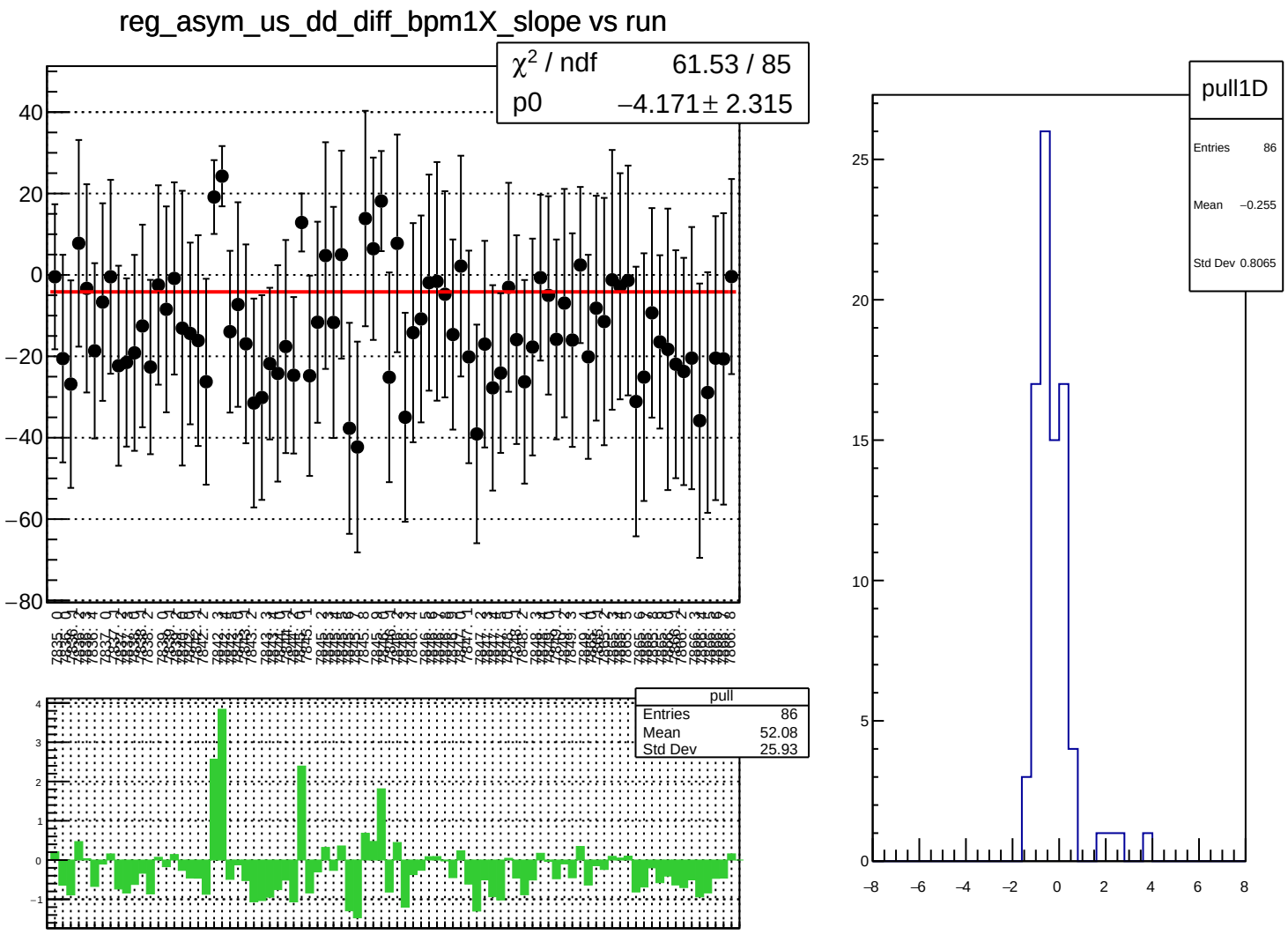

pull1D
Entries 86
Mean 0.04502
Std Dev 0.3245

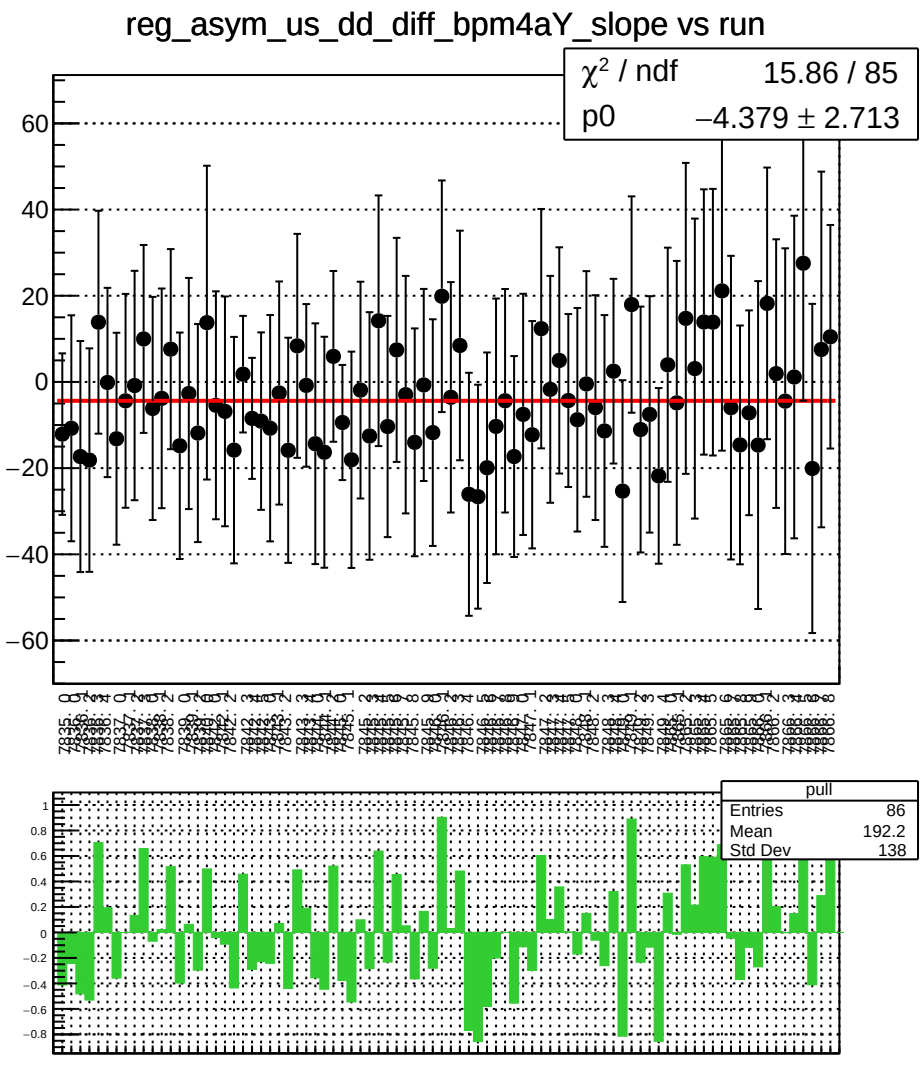

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 157.8 / 85
p0 66.21 ± 2.339
pull
Entries 86
Mean 34.1
Std Dev 21.06

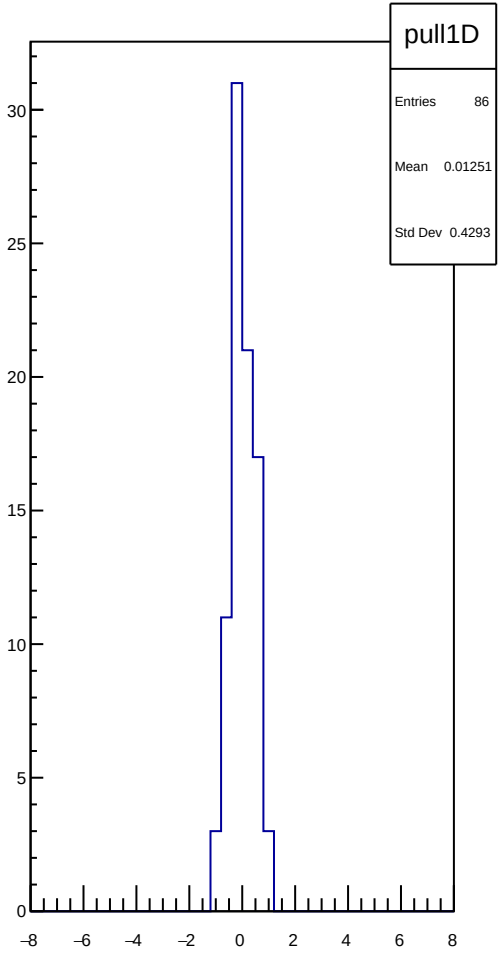

pull1D
Entries 86
Mean −0.5941
Std Dev 1.217

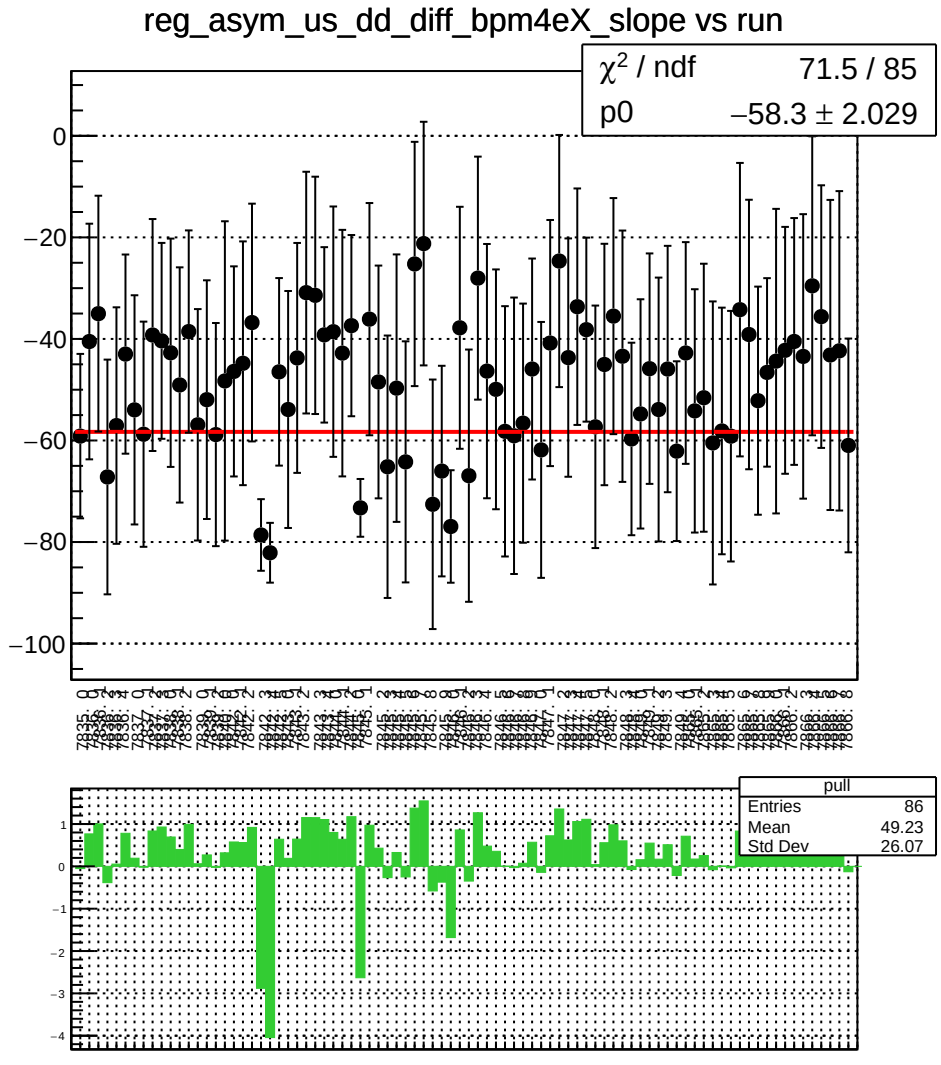

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.322 / 85
p0 4.709 ± 3.81
pull
Entries 86
Mean 89.07
Std Dev 40.01
pull1D
Entries 86
Mean −0.02054
Std Dev 0.3104

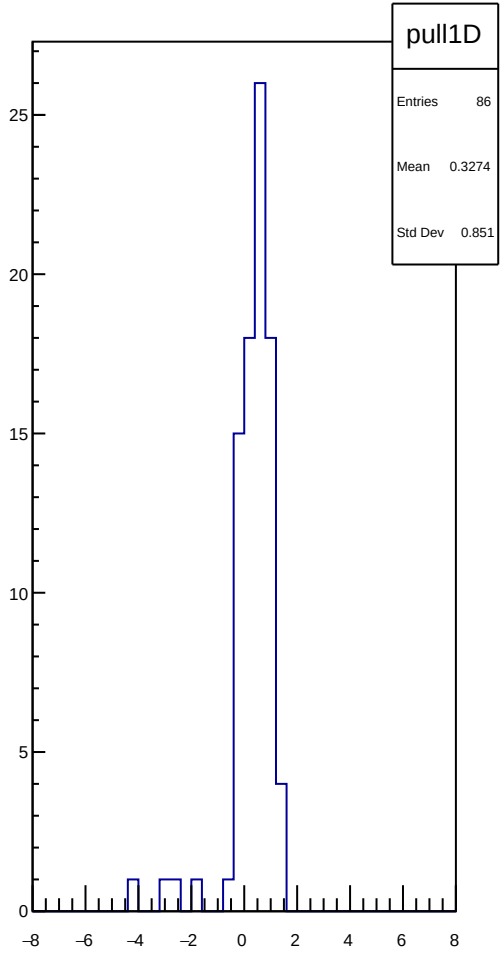

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 292 / 85
p0 −41.63 ± 0.1157
pull
Entries 86
Mean 131.1
Std Dev 80.31
pull1D
Entries 86
Mean −0.2247
Std Dev 1.829

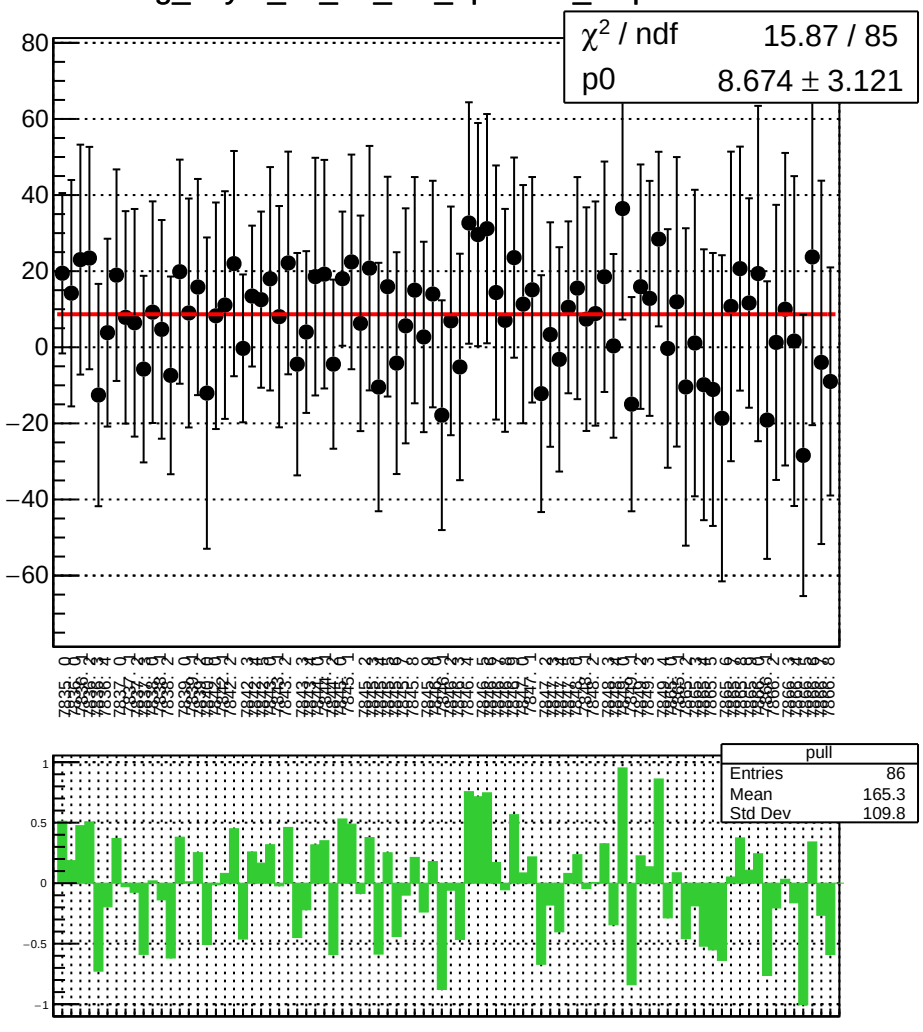

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 61.53 / 85
p0 −4.171 ± 2.315
pull
Entries 86
Mean 52.08
Std Dev 25.93
pull1D
Entries 86
Mean −0.255
Std Dev 0.8065

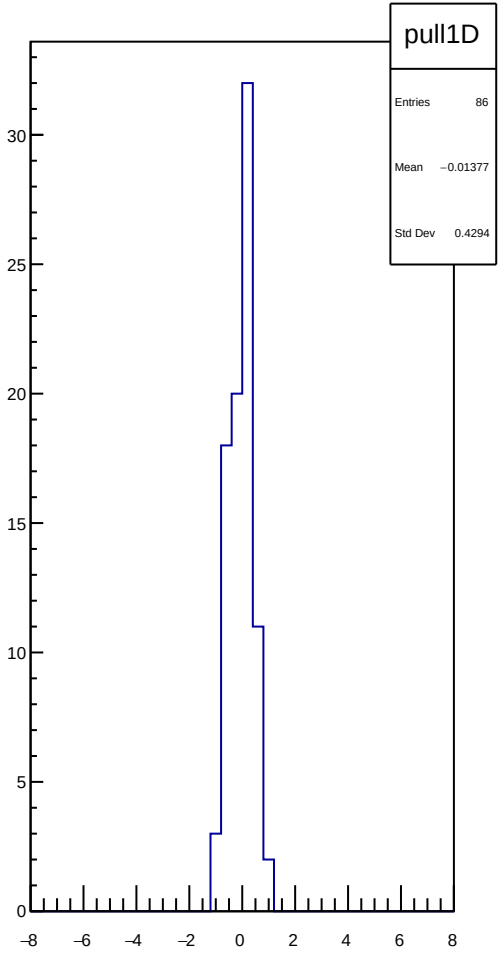

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.86 / 85
p0 −4.379 ± 2.713
pull
Entries 86
Mean 192.2
Std Dev 138

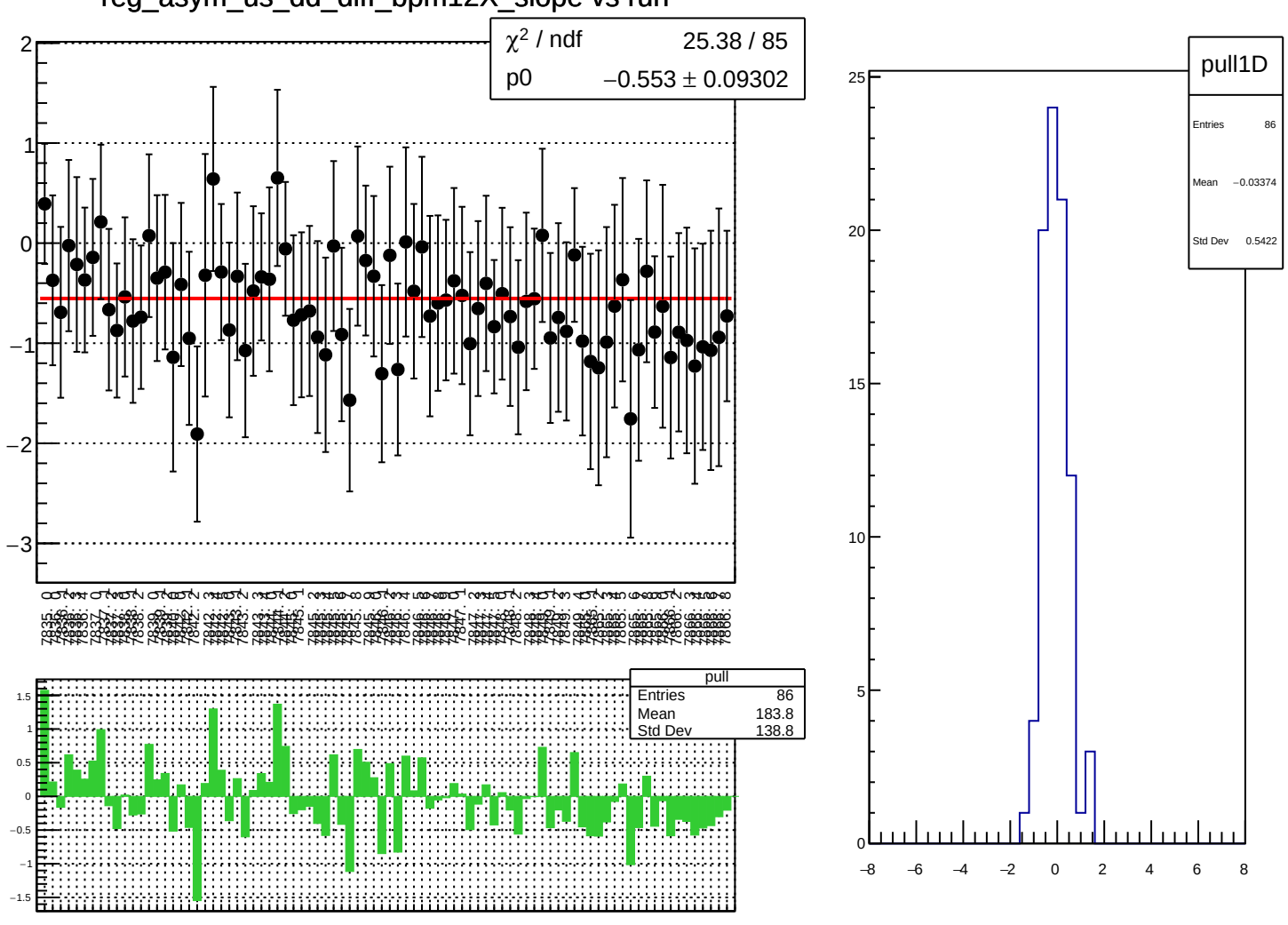

pull1D
Entries 86
Mean 0.01251
Std Dev 0.4293

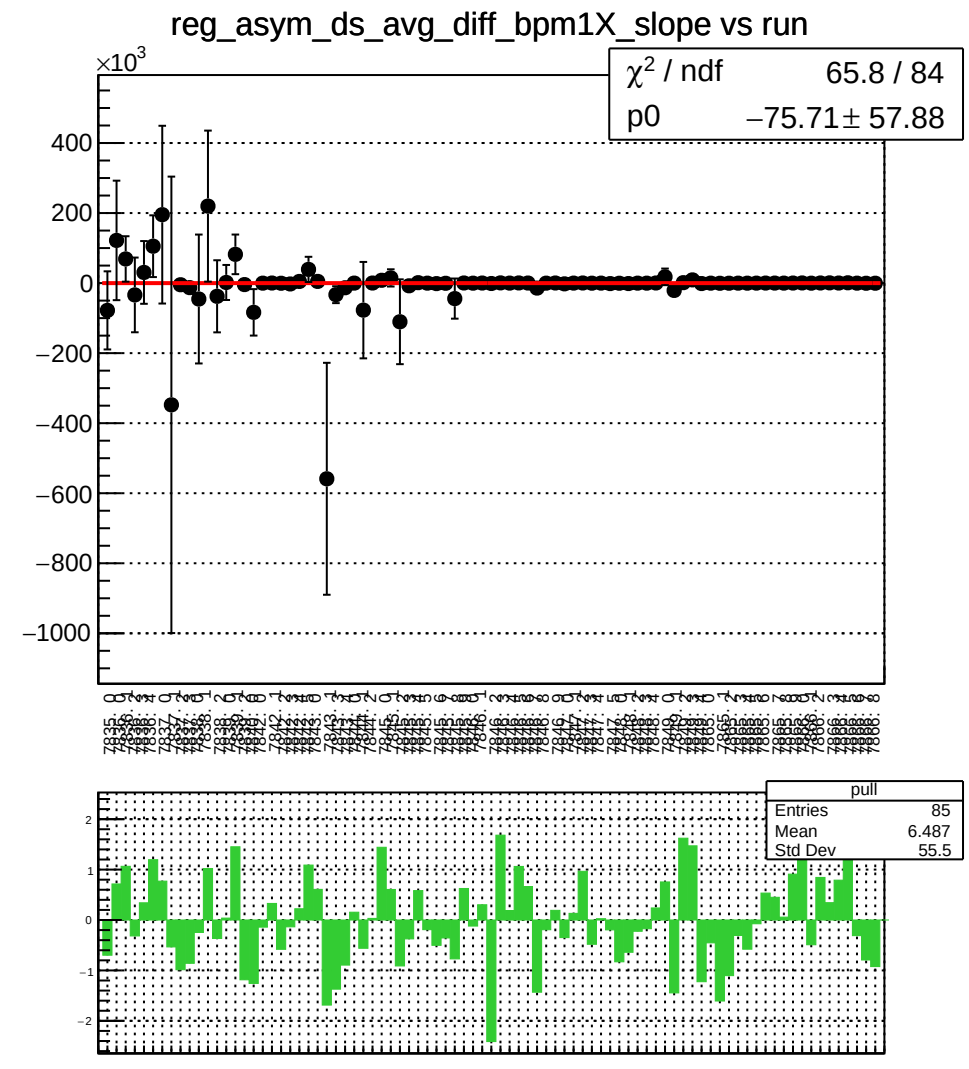

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 71.5 / 85
p0 −58.3 ± 2.029
pull
Entries 86
Mean 49.23
Std Dev 26.07

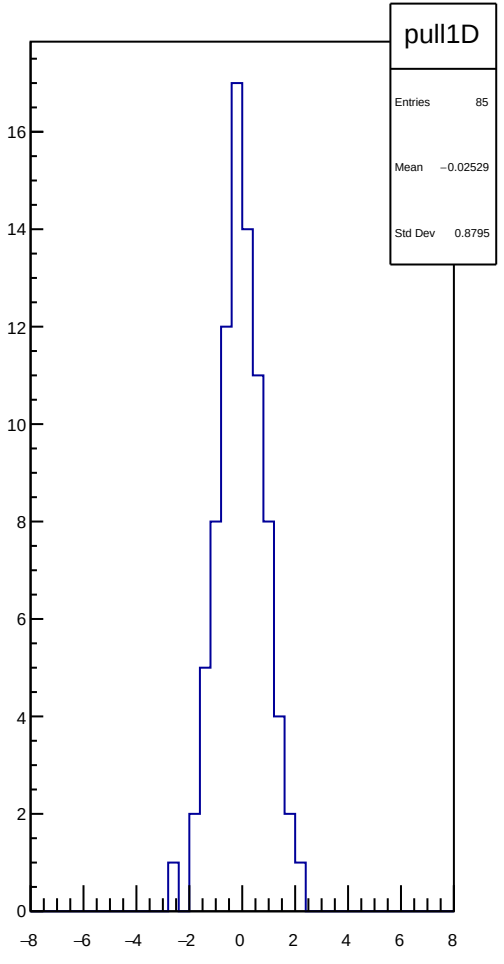

pull1D
Entries 86
Mean 0.3274
Std Dev 0.851

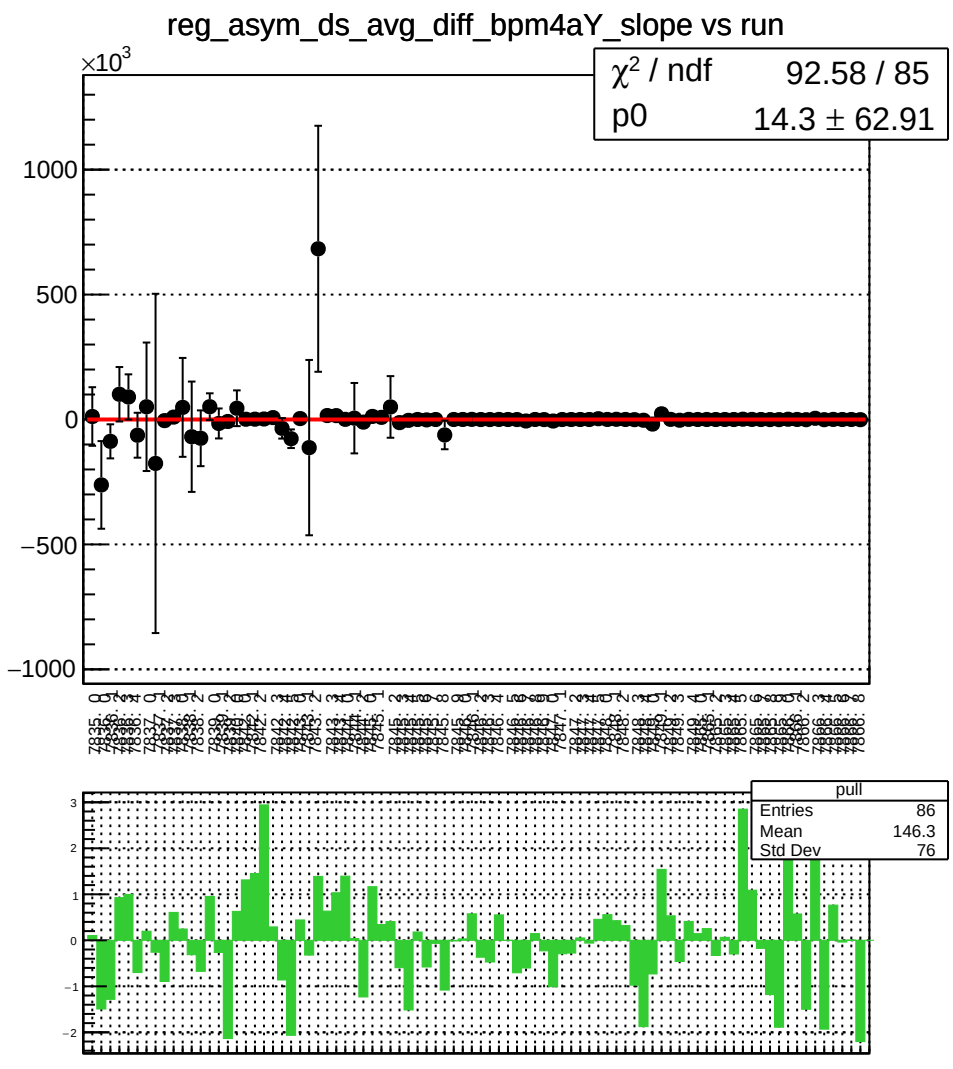

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.87 / 85
p0 8.674 ± 3.121
pull
Entries 86
Mean 165.3
Std Dev 109.8

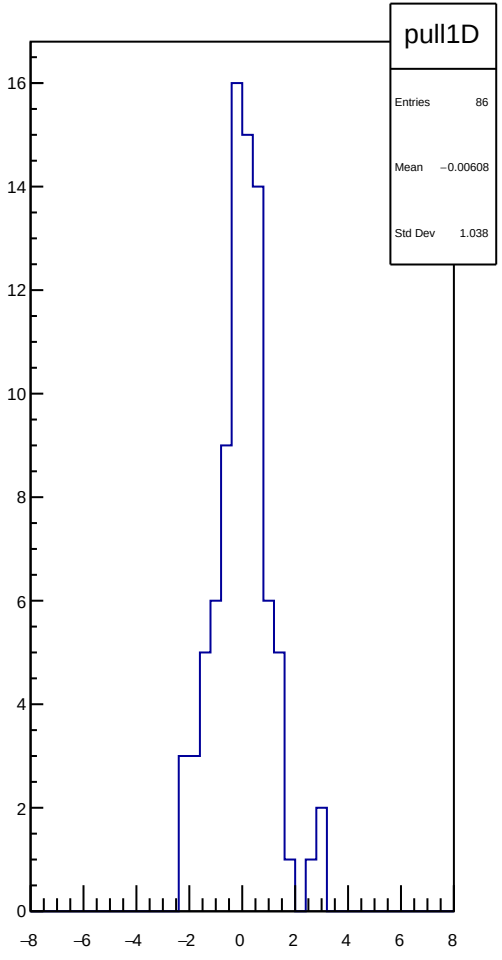

pull1D
Entries 86
Mean −0.01377
Std Dev 0.4294

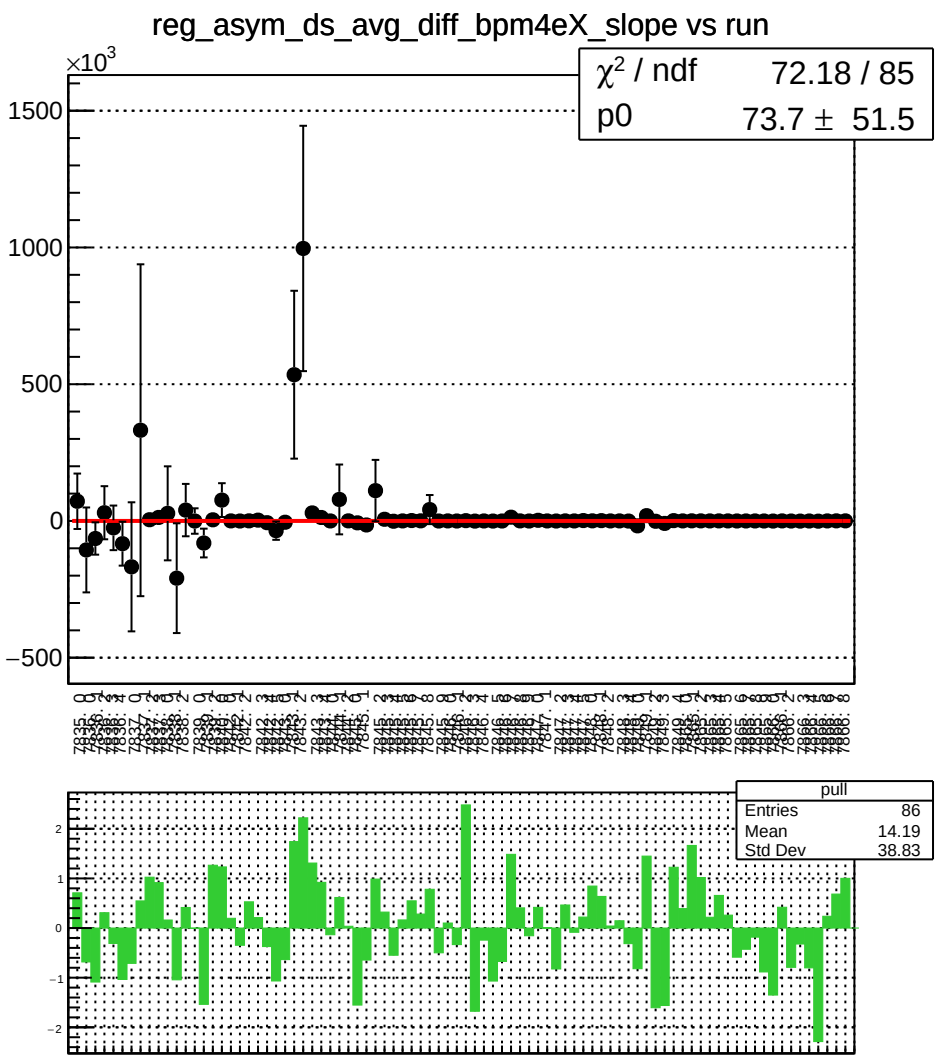

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 25.38 / 85
p0 −0.553 ± 0.09302
pull
Entries 86
Mean 183.8
Std Dev 138.8
pull1D
Entries 86
Mean −0.03374
Std Dev 0.5422

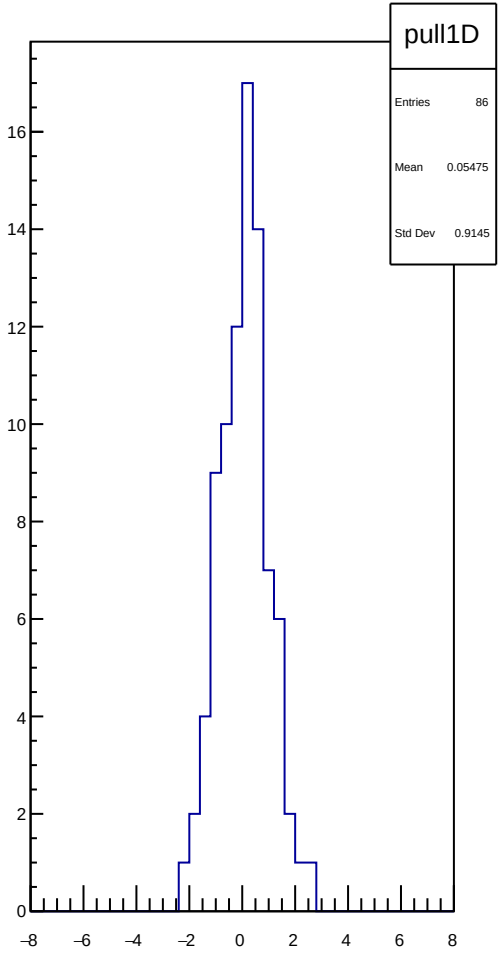

reg_asym_ds_avg_diff_bpm1X_slope vs run
×10^3
χ^2 / ndf 65.8 / 84
p0 −75.71 ± 57.88
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 85
Mean 6.487
Std Dev 55.5
2
1
0
−1
−2

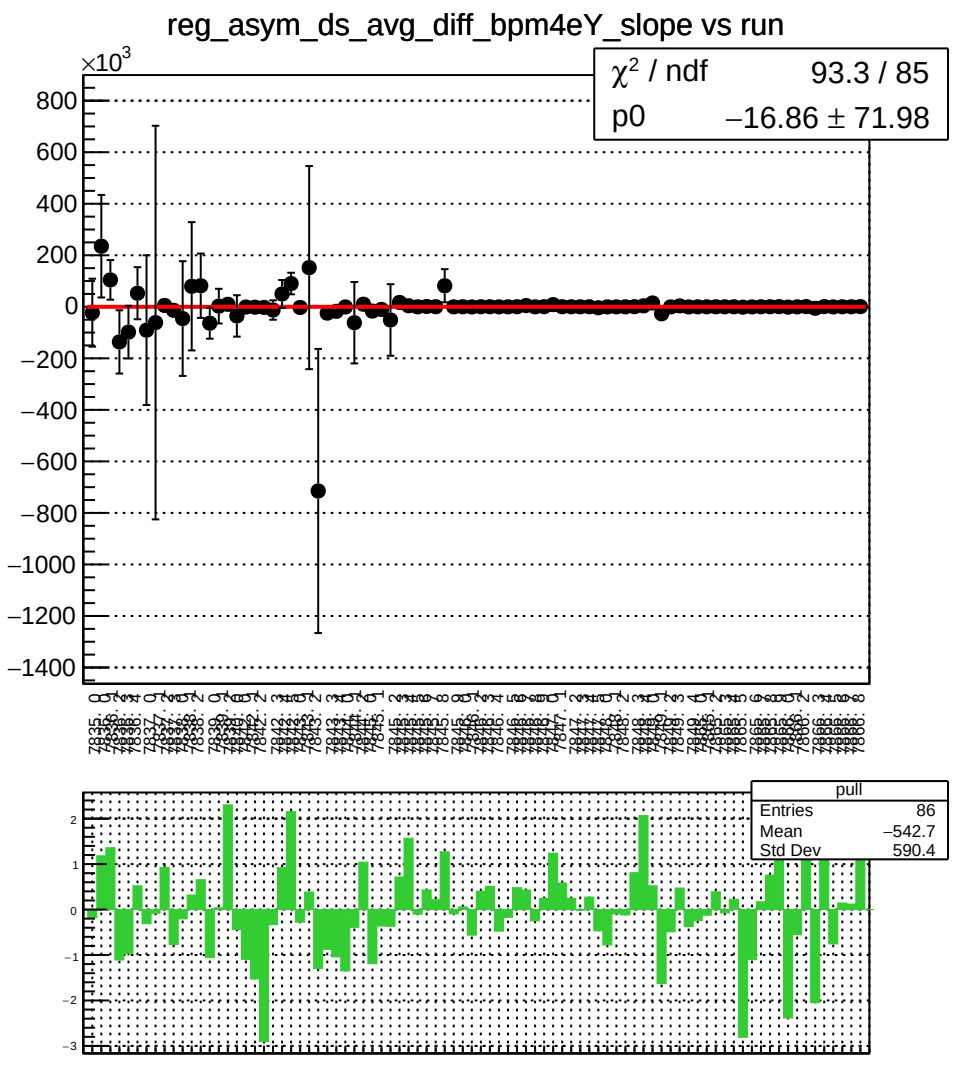

pull1D
Entries 85
Mean −0.02529
Std Dev 0.8795
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

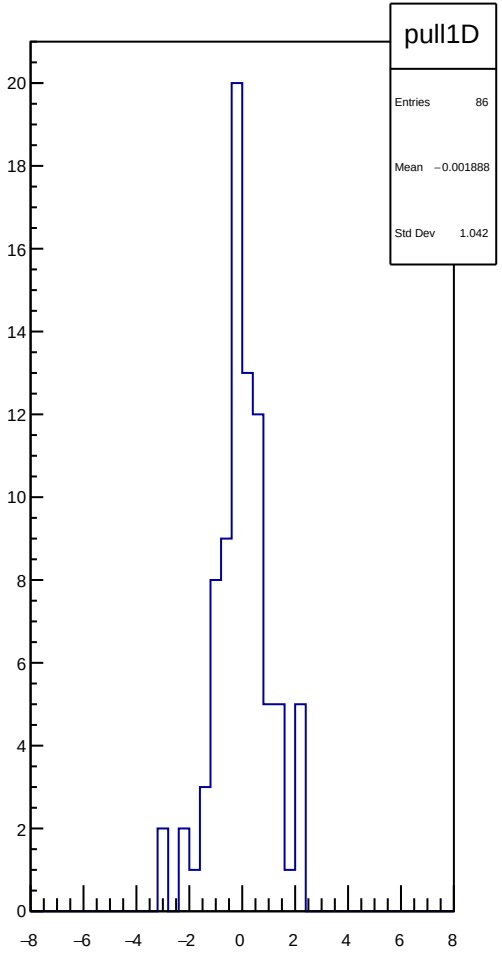

reg_asym_ds_avg_diff_bpm4aY_slope vs run
×10^3
χ² / ndf 92.58 / 85
p0 14.3 ± 62.91
1000
500
0
−500
−1000
pull
Entries 86
Mean 146.3
Std Dev 76
3
2
1
0
−1
−2

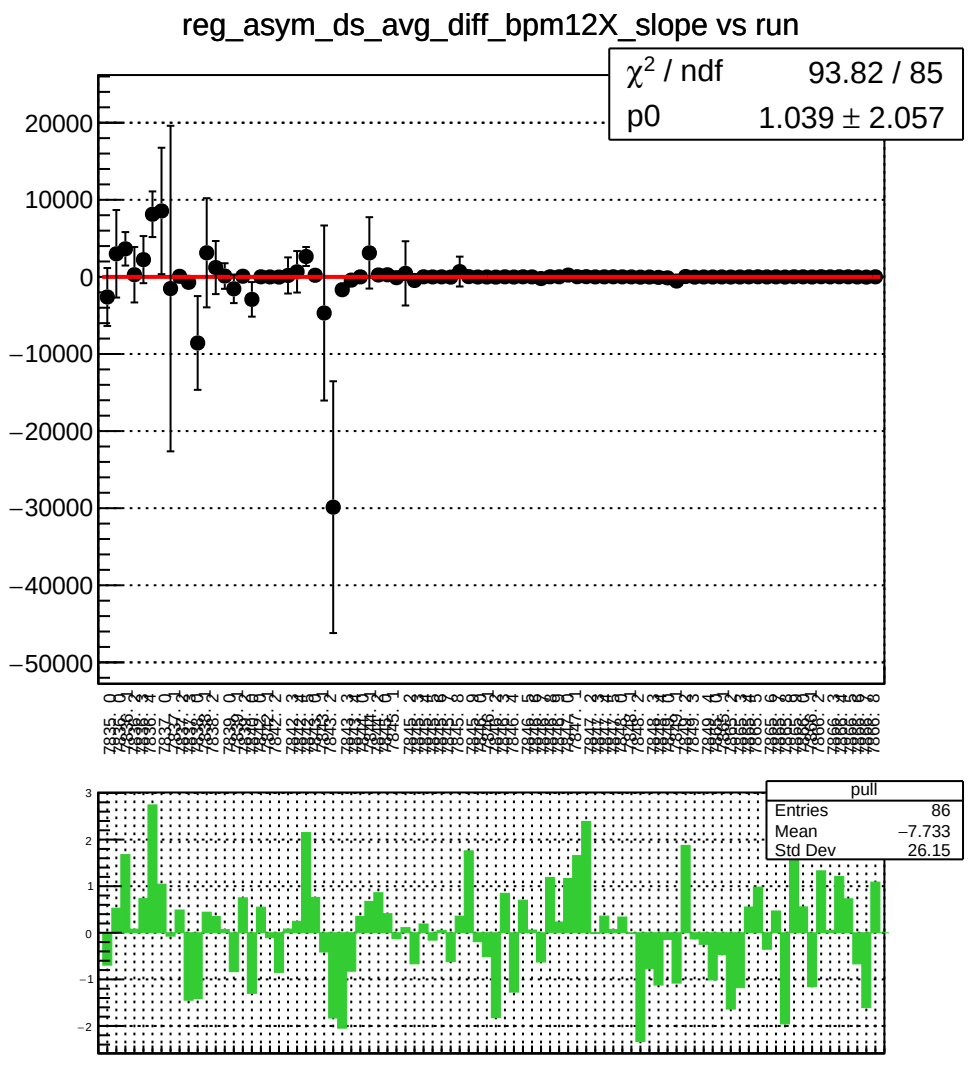

pull1D
Entries 86
Mean −0.00608
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

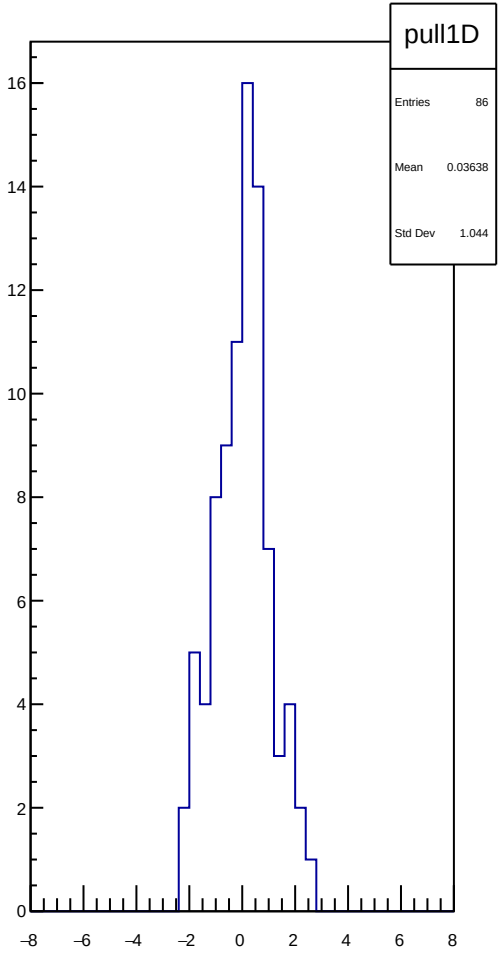

reg_asym_ds_avg_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 72.18 / 85
p0 73.7 ± 51.5
1500
1000
500
0
−500
pull
Entries 86
Mean 14.19
Std Dev 38.83
2
1
0
−1
−2

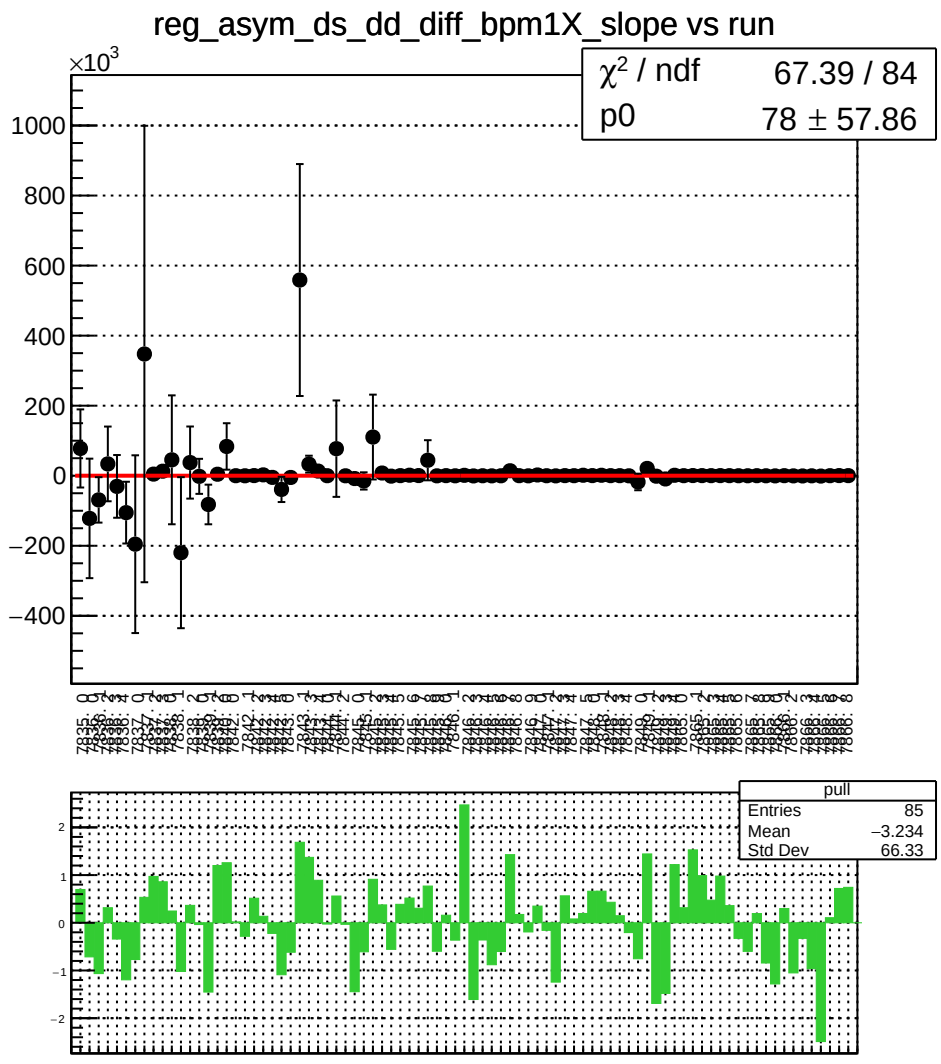

pull1D
Entries 86
Mean 0.05475
Std Dev 0.9145
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

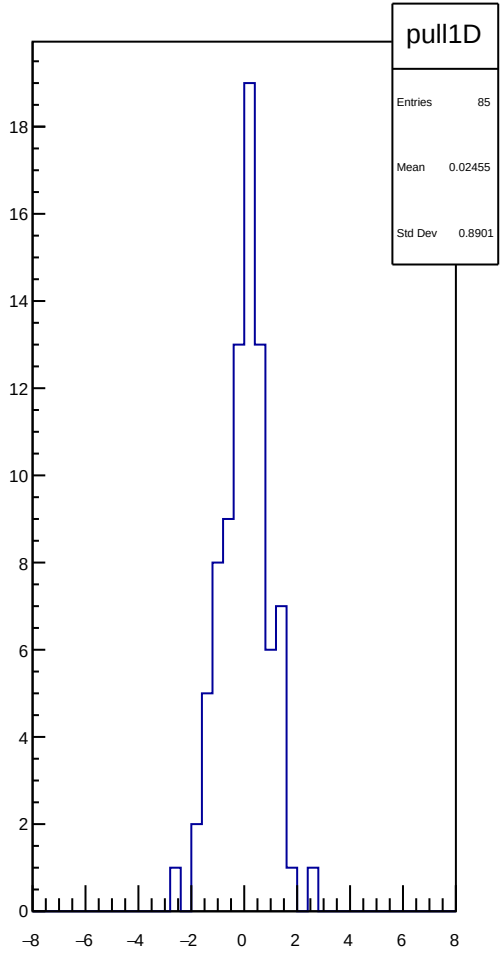

reg_asym_ds_avg_diff_bpm4eY_slope vs run
×10^3
χ² / ndf 93.3 / 85
p0 −16.86 ± 71.98
pull
Entries 86
Mean −542.7
Std Dev 590.4

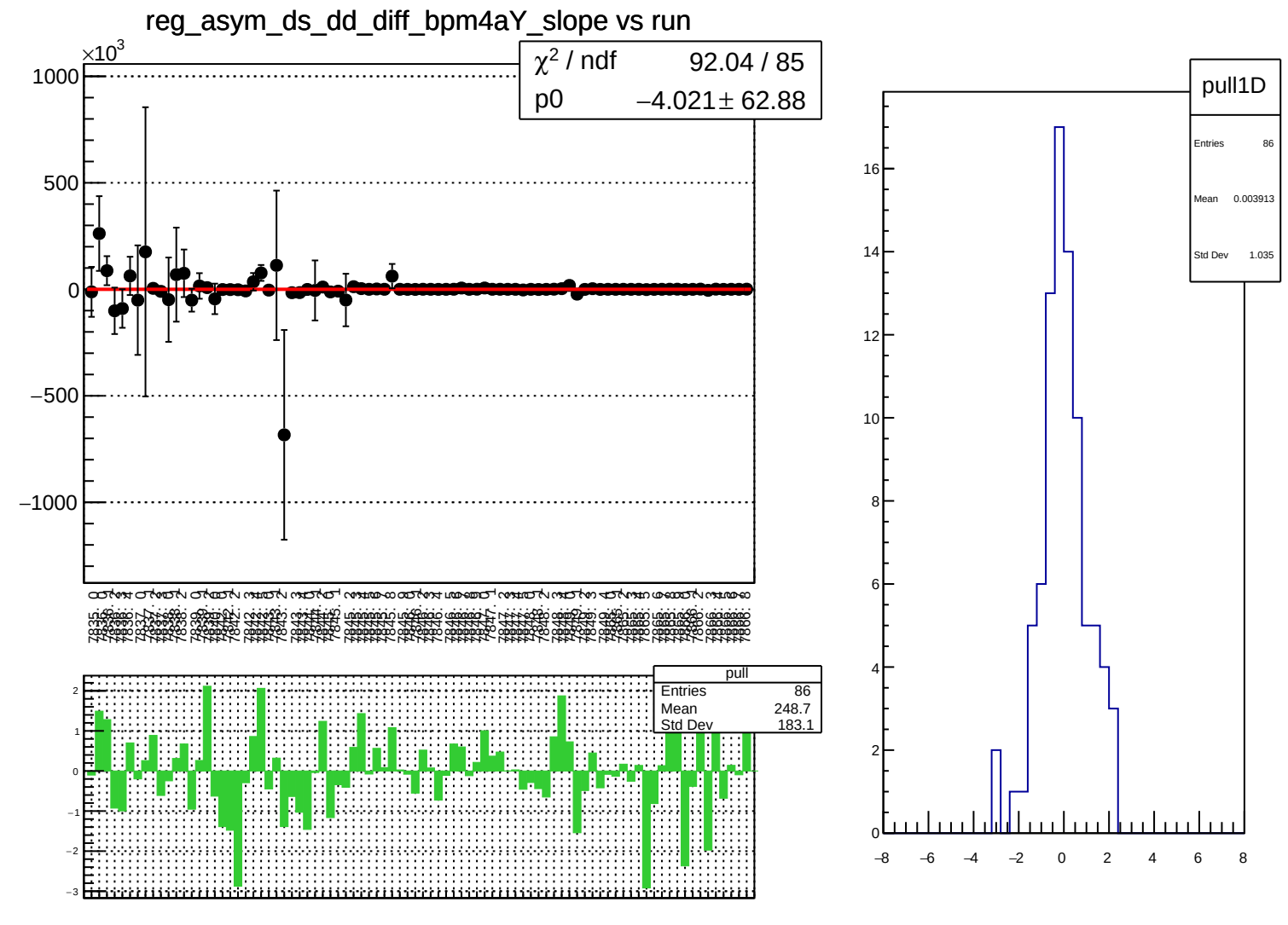

pull1D
Entries 86
Mean −0.001888
Std Dev 1.042

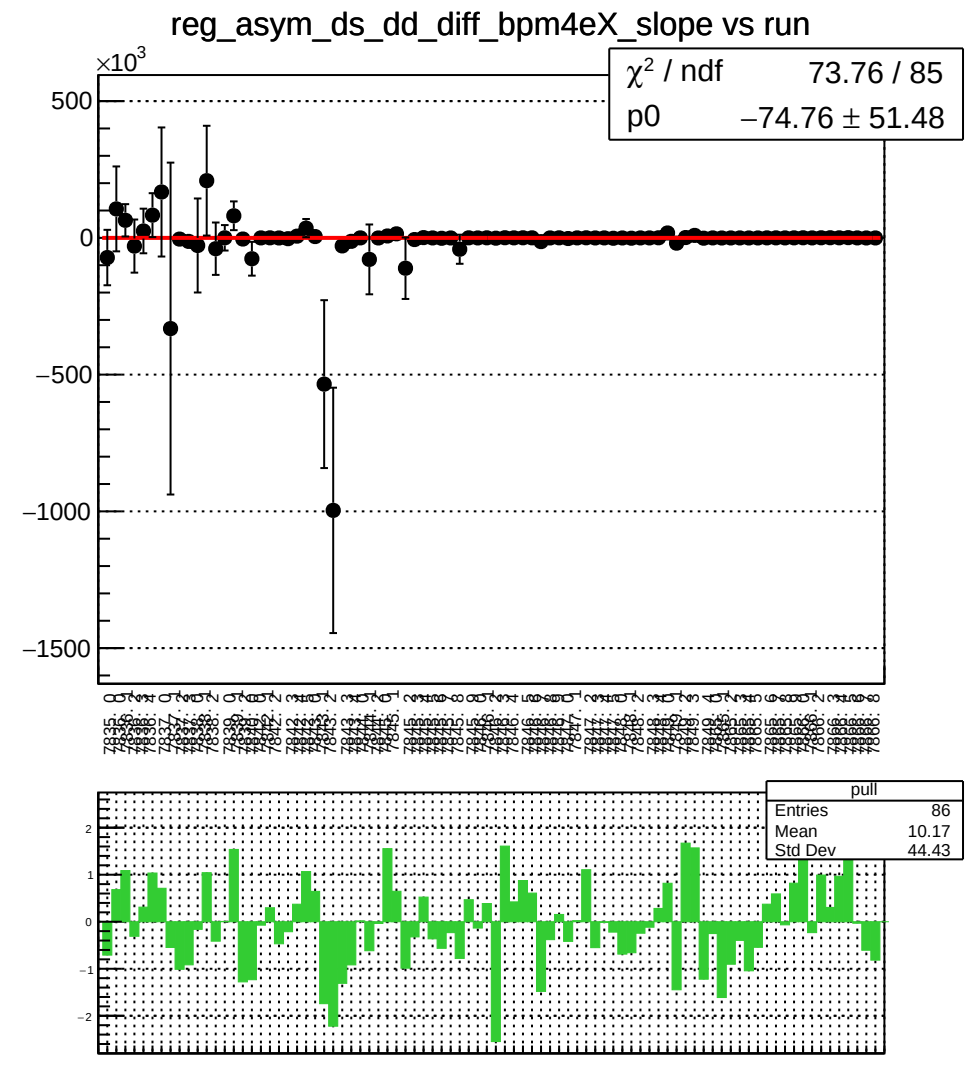

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 93.82 / 85
p0 1.039 ± 2.057
pull
Entries 86
Mean −7.733
Std Dev 26.15

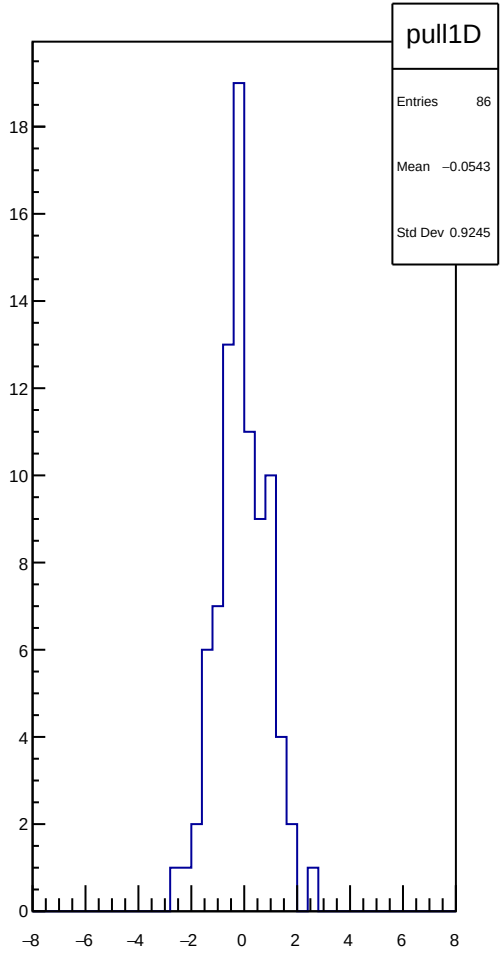

pull1D
Entries 86
Mean 0.03638
Std Dev 1.044

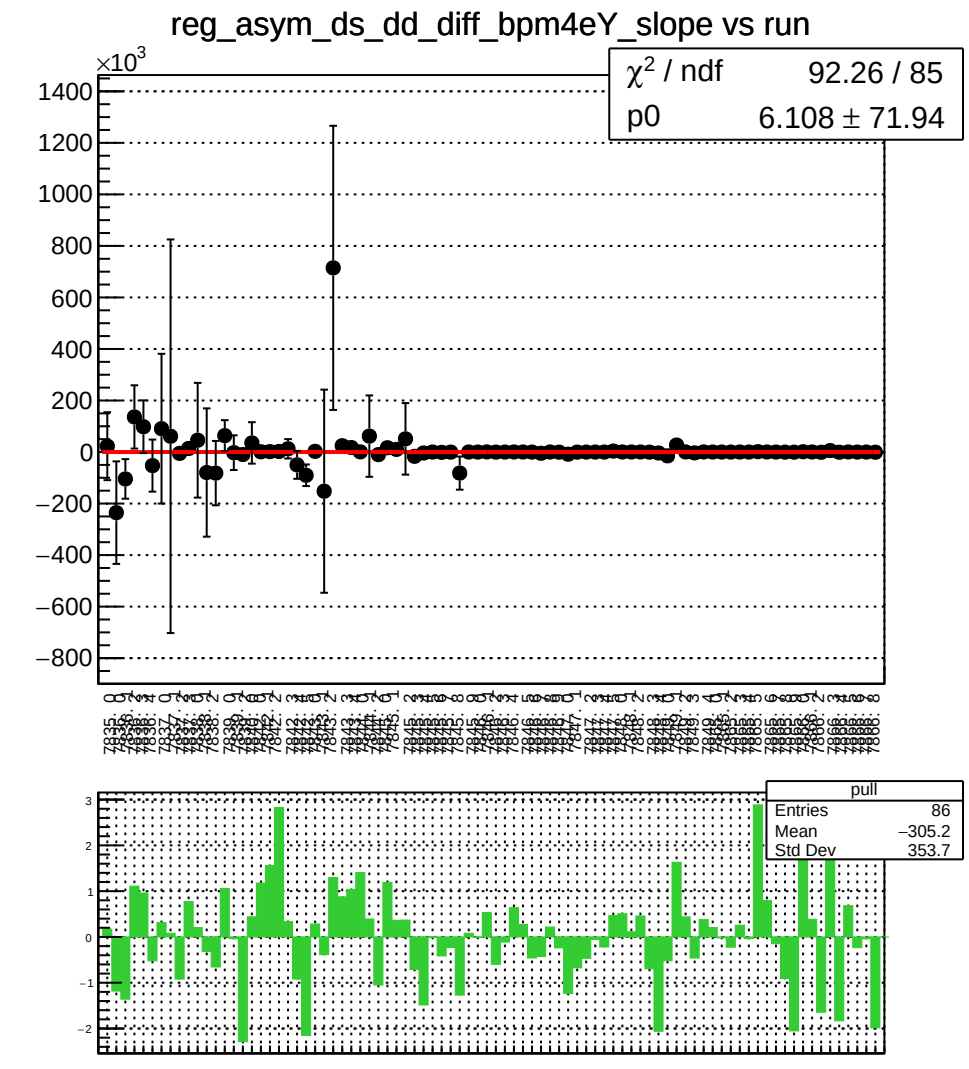

reg_asym_ds_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 67.39 / 84
p0 78 ± 57.86
1000
800
600
400
200
0
−200
−400
pull
Entries 85
Mean −3.234
Std Dev 66.33
2
1
0
−1
−2

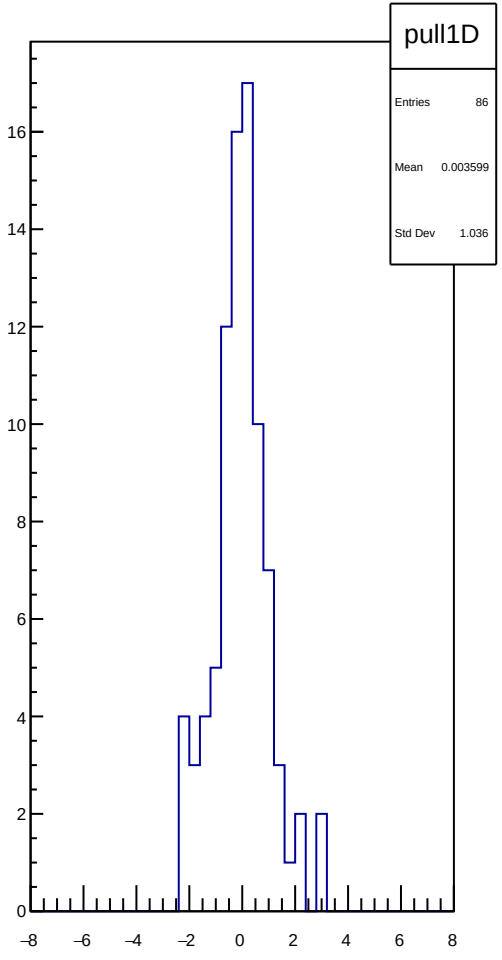

pull1D
Entries 85
Mean 0.02455
Std Dev 0.8901
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

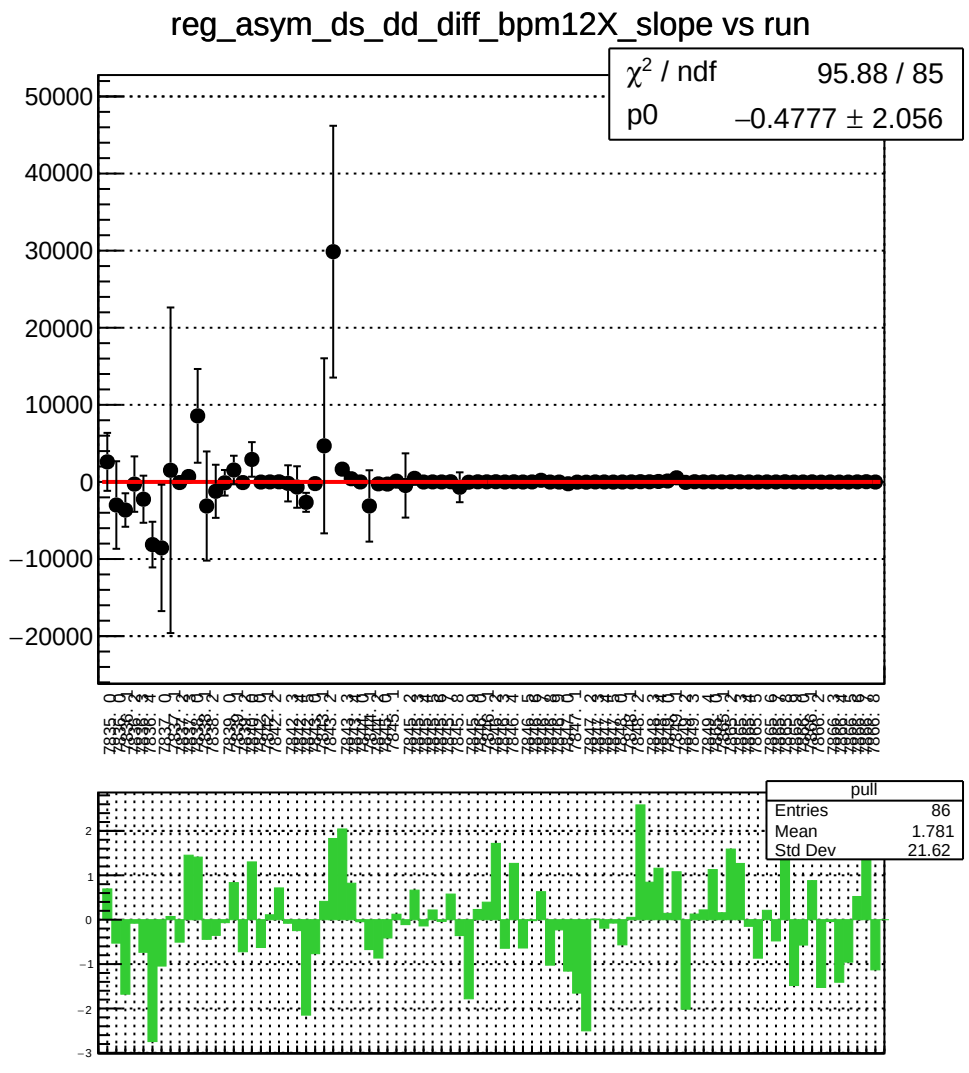

reg_asym_ds_dd_diff_bpm4aY_slope vs run
×10^3
1000
500
0
−500
−1000
χ² / ndf 92.04 / 85
p0 −4.021 ± 62.88
pull
Entries 86
Mean 248.7
Std Dev 183.1
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean 0.003913
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

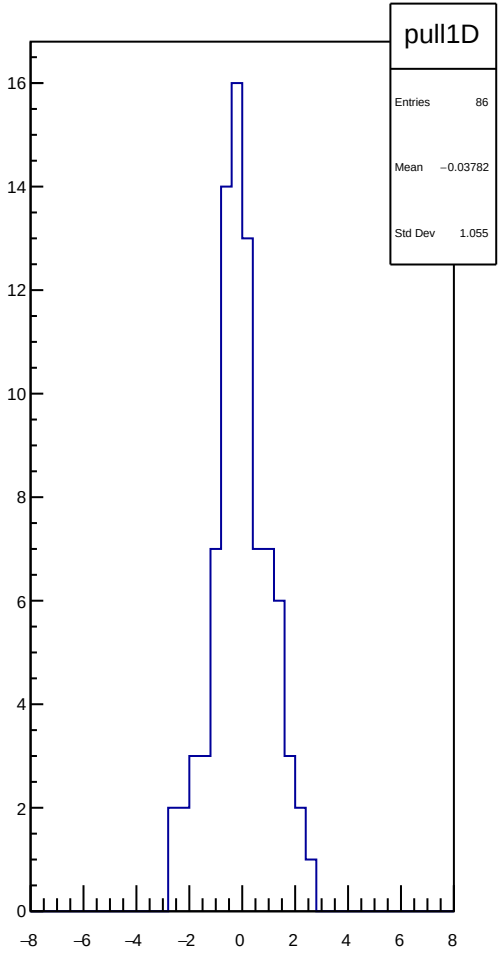

reg_asym_ds_dd_diff_bpm4eX_slope vs run
×10^3
χ² / ndf 73.76 / 85
p0 −74.76 ± 51.48
500
0
−500
−1000
−1500
pull
Entries 86
Mean 10.17
Std Dev 44.43
2
1
0
−1
−2

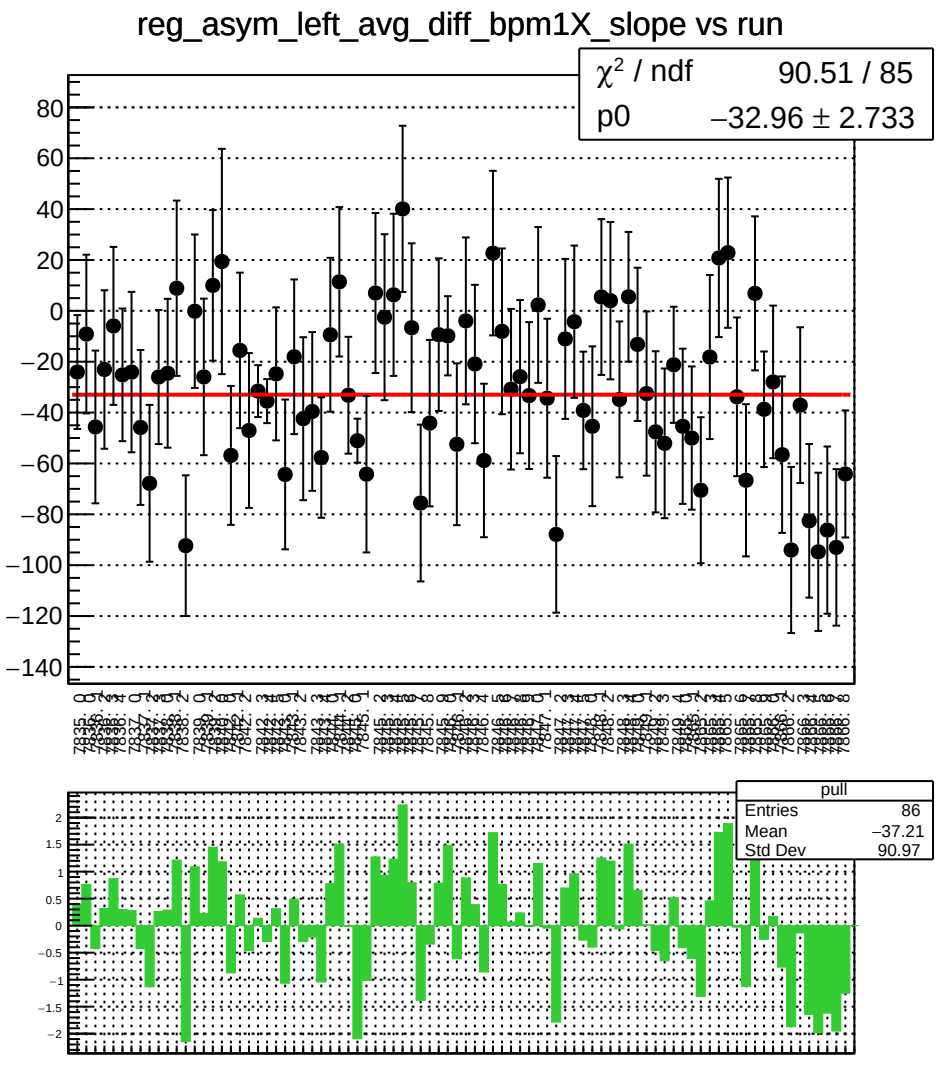

pull1D
Entries 86
Mean −0.0543
Std Dev 0.9245
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

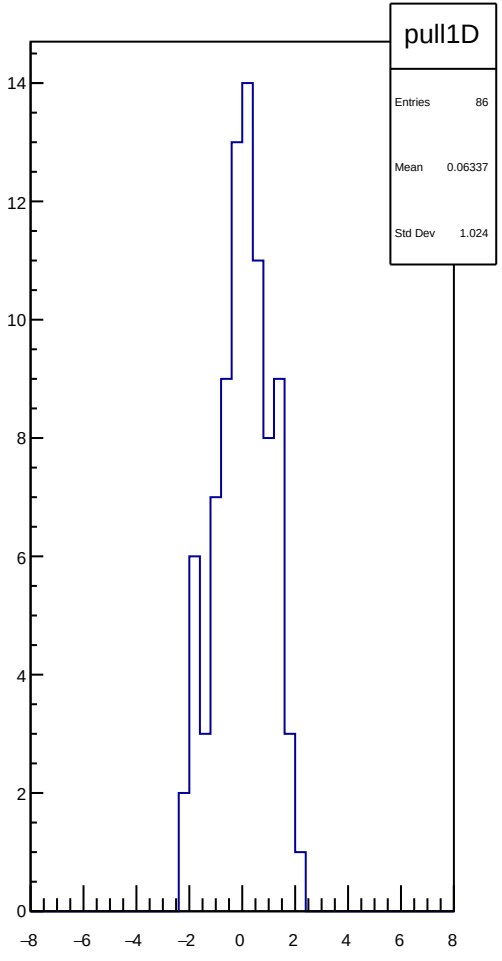

reg_asym_ds_dd_diff_bpm4eY_slope vs run
×10^3
χ^2 / ndf 92.26 / 85
p0 6.108 ± 71.94
pull
Entries 86
Mean −305.2
Std Dev 353.7

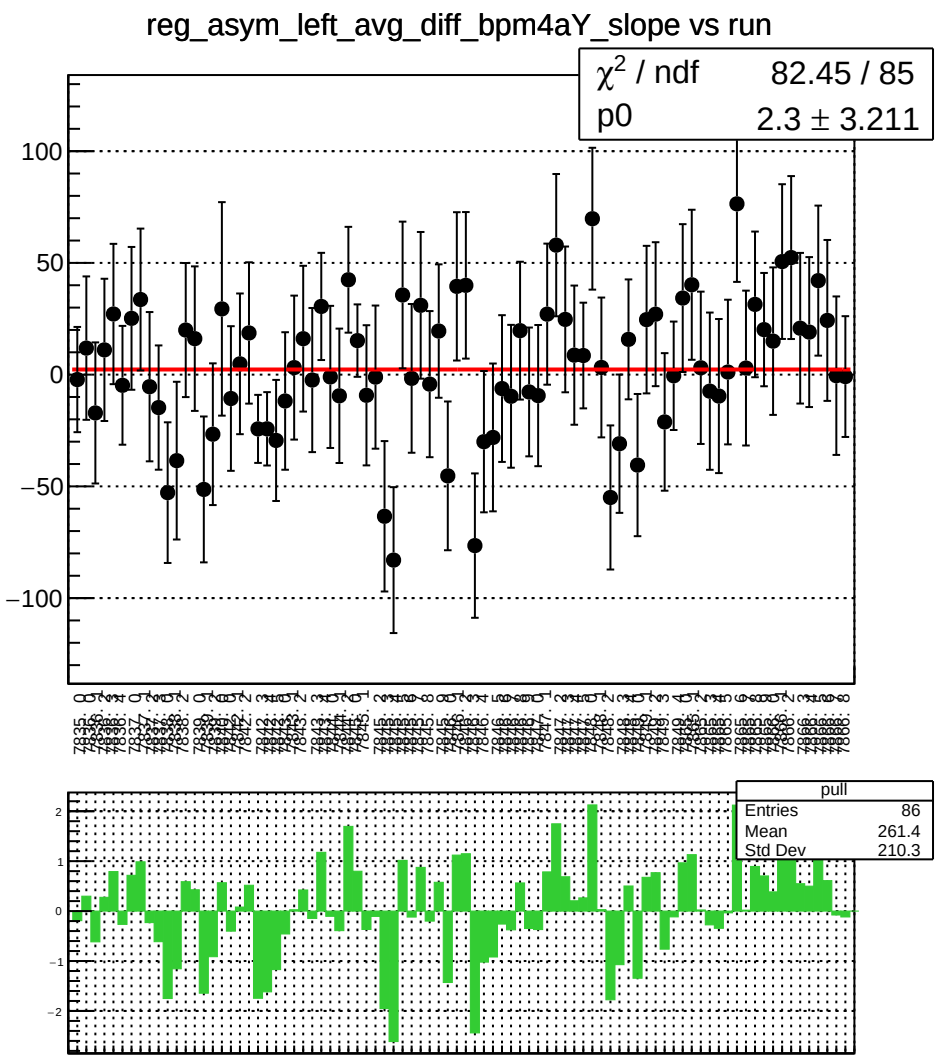

pull1D
Entries 86
Mean 0.003599
Std Dev 1.036

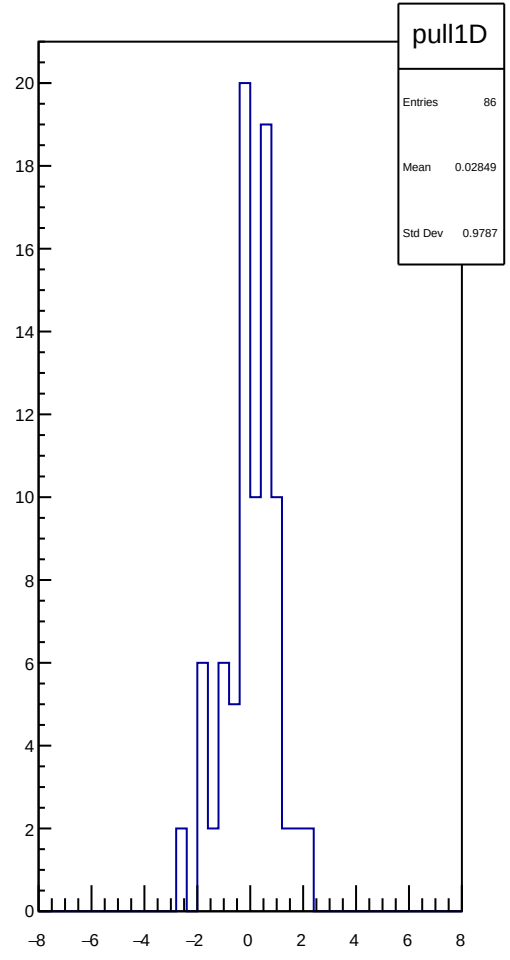

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 95.88 / 85
p0 −0.4777 ± 2.056
pull
Entries 86
Mean 1.781
Std Dev 21.62

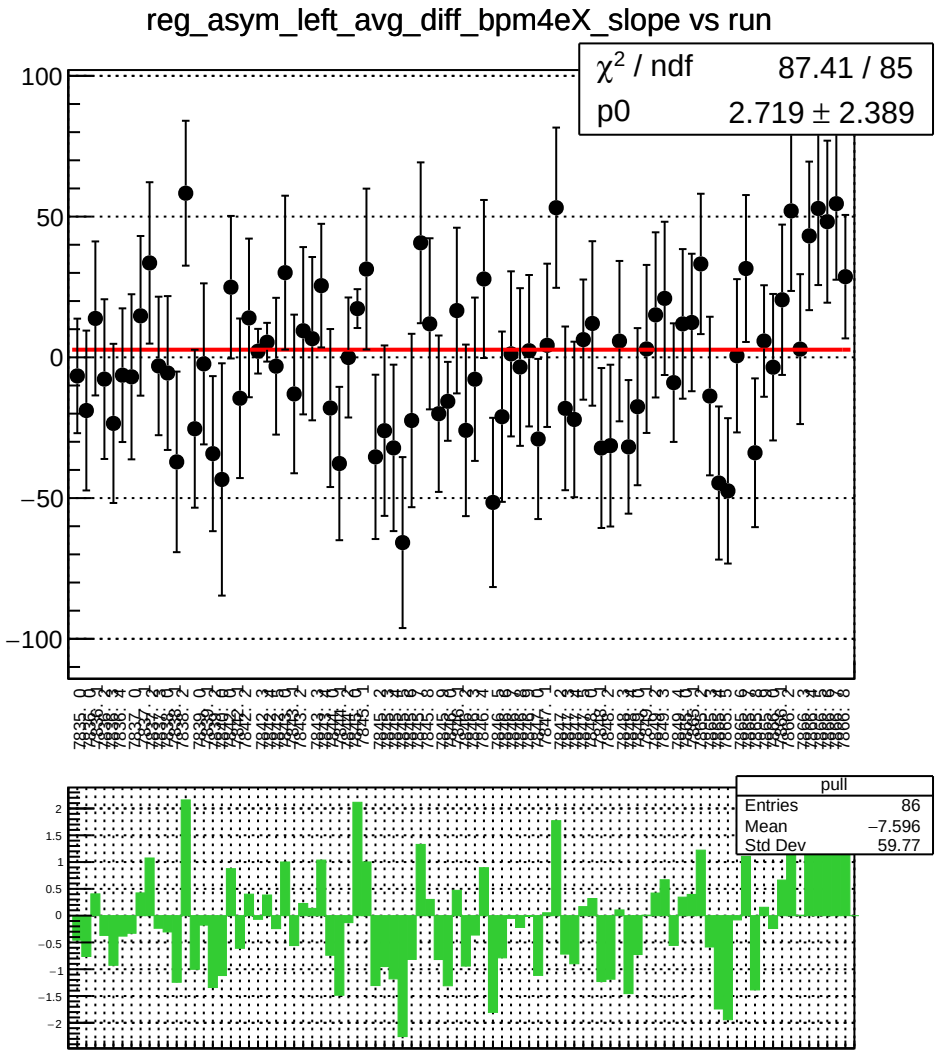

pull1D
Entries 86
Mean −0.03782
Std Dev 1.055

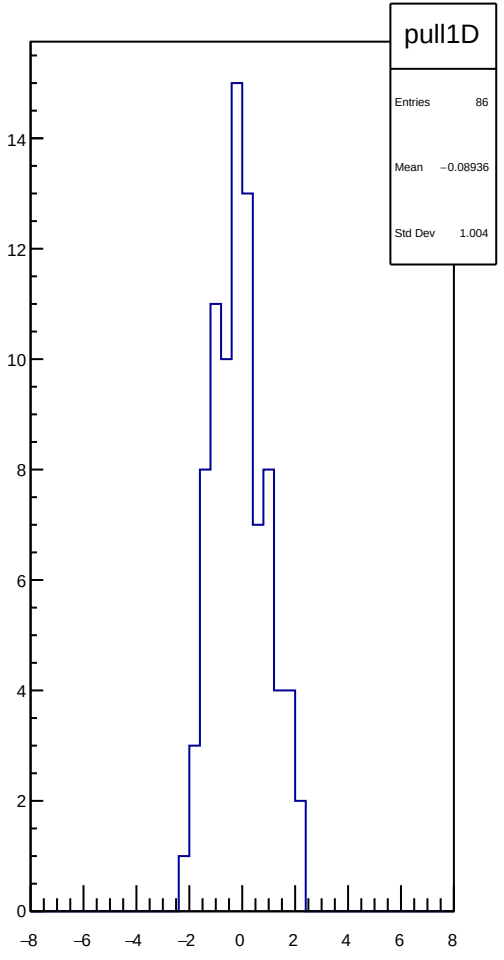

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 90.51 / 85
p0 −32.96 ± 2.733
pull
Entries 86
Mean −37.21
Std Dev 90.97

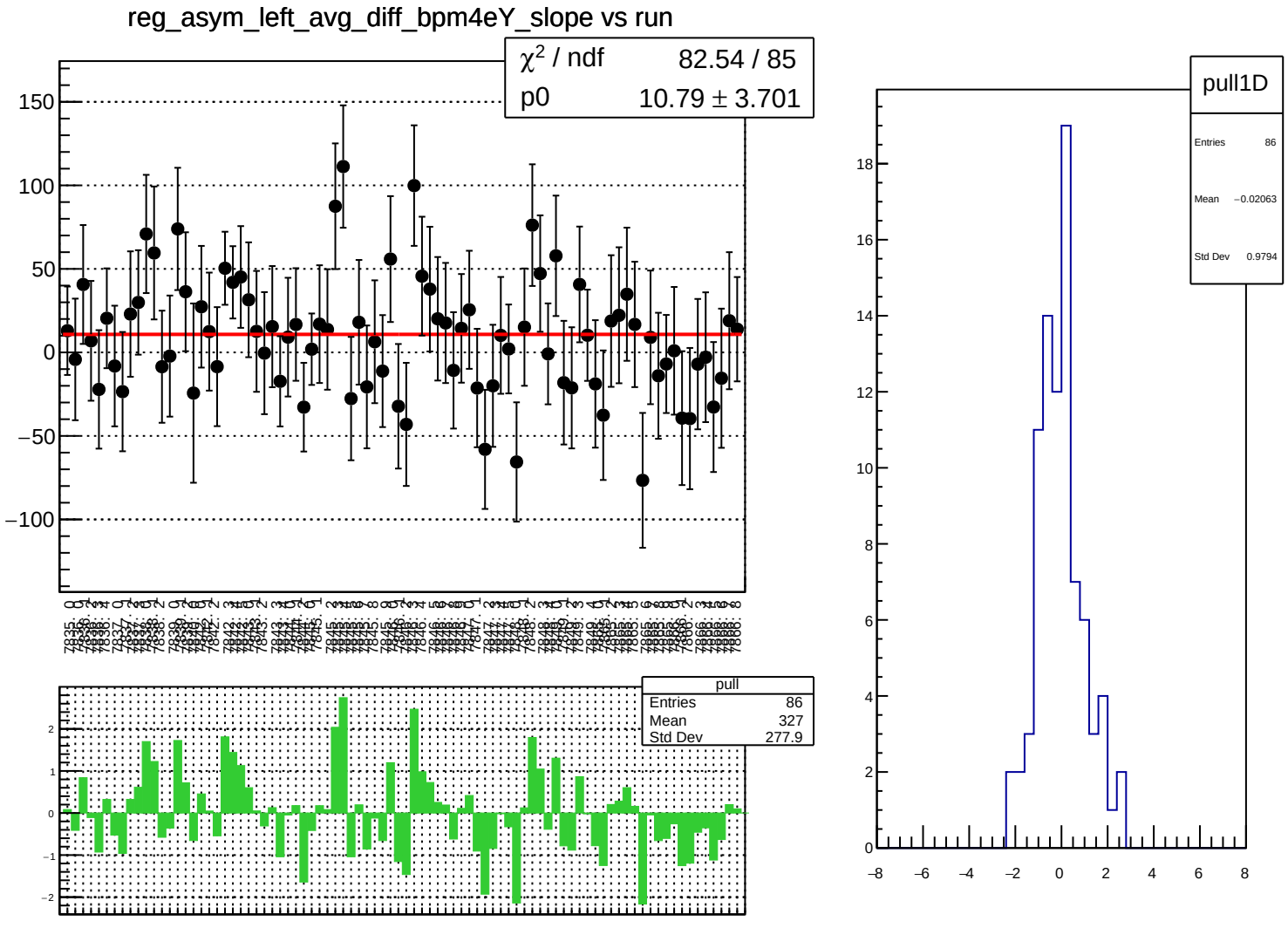

pull1D
Entries 86
Mean 0.06337
Std Dev 1.024

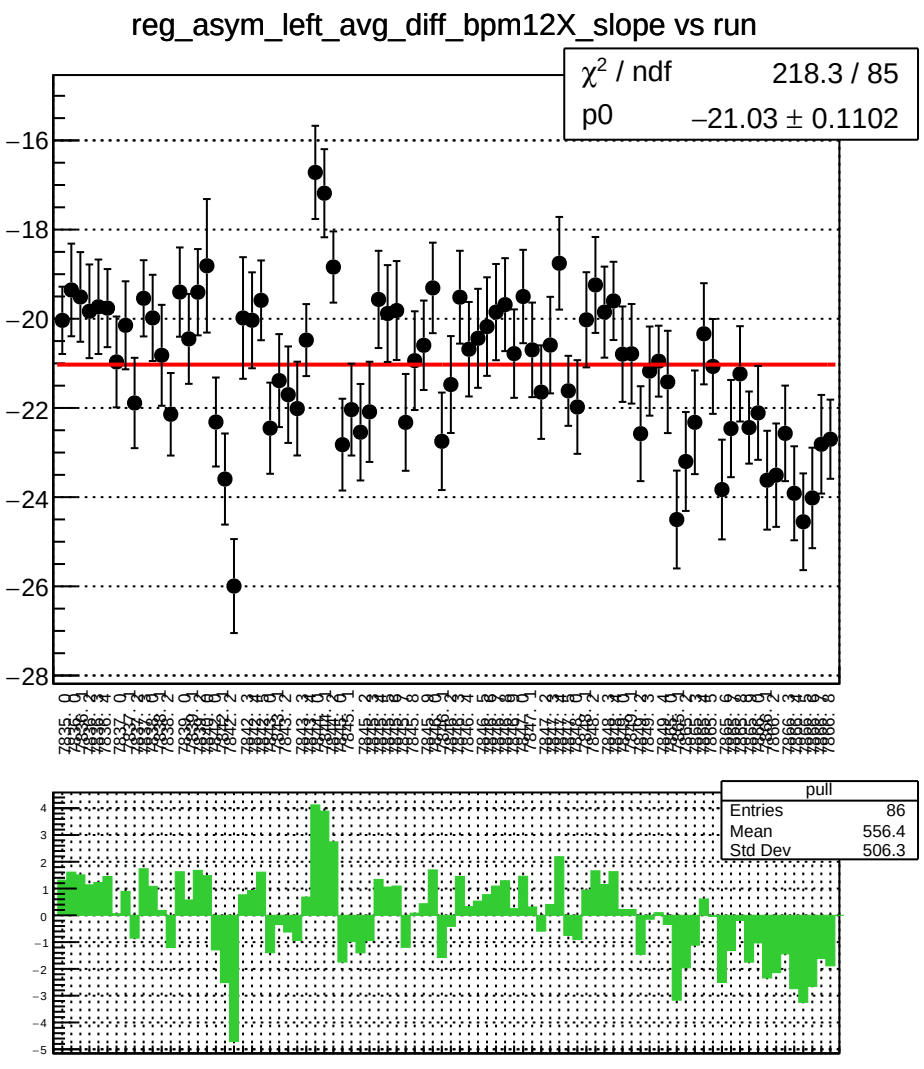

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 82.45 / 85
p0 2.3 ± 3.211
pull
Entries 86
Mean 261.4
Std Dev 210.3

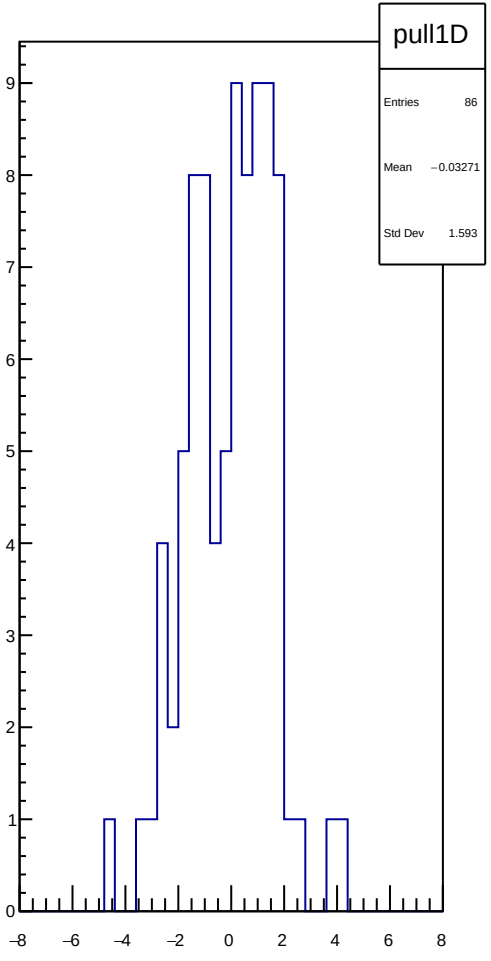

pull1D
Entries 86
Mean 0.02849
Std Dev 0.9787

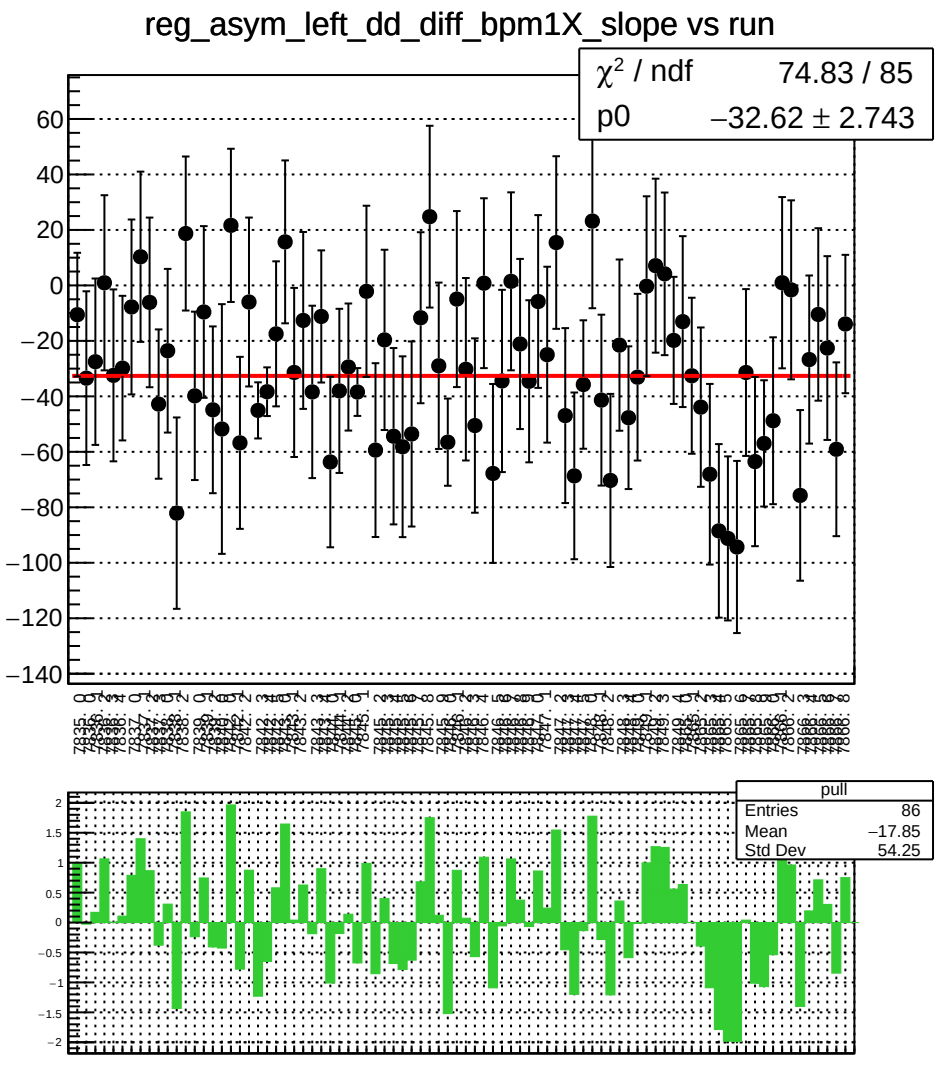

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 87.41 / 85
p0 2.719 ± 2.389
100
50
0
−50
−100
pull
Entries 86
Mean −7.596
Std Dev 59.77
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

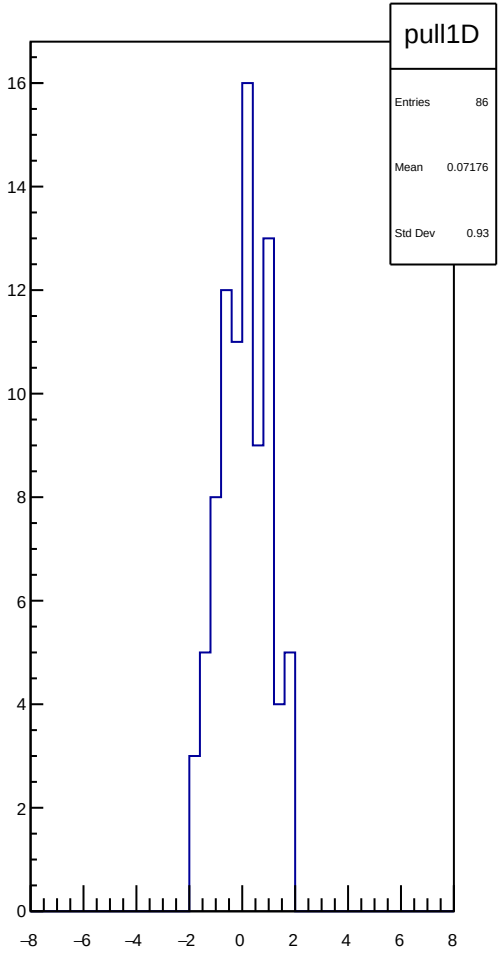

pull1D
Entries 86
Mean −0.08936
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

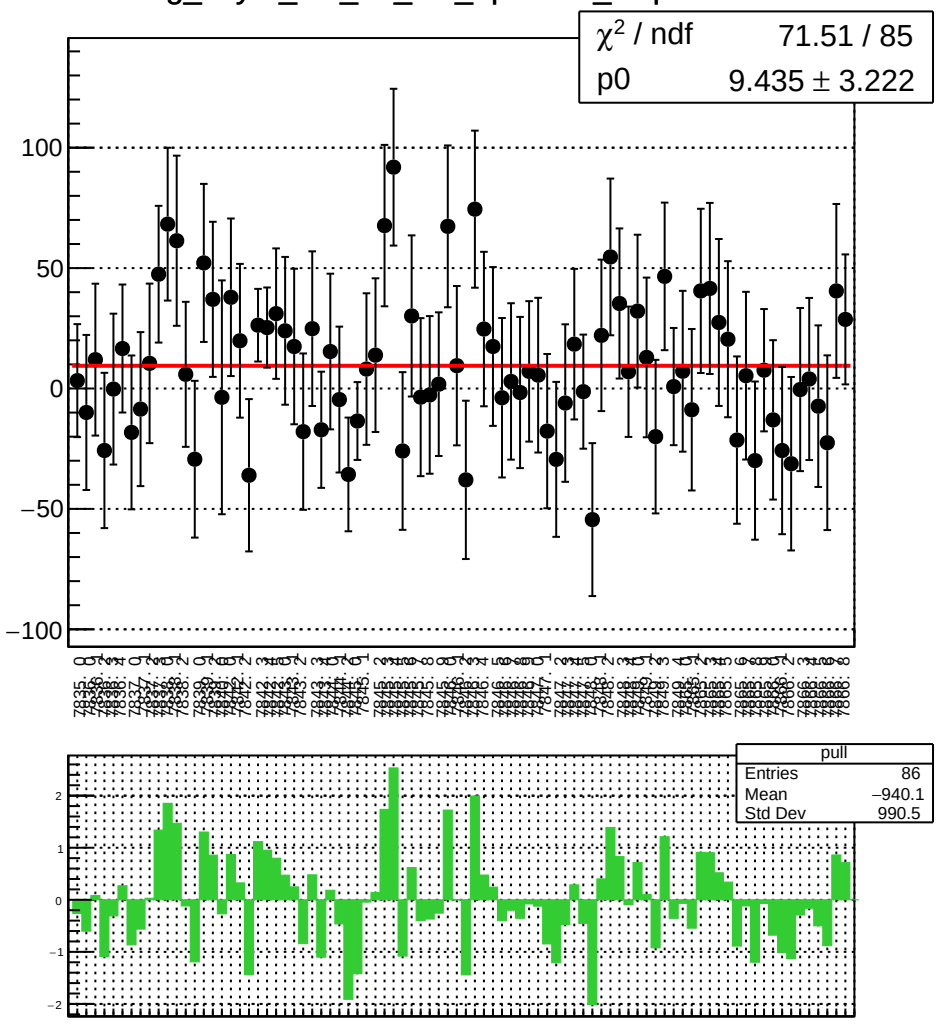

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 82.54 / 85
p0 10.79 ± 3.701
150
100
50
0
−50
−100
pull
Entries 86
Mean 327
Std Dev 277.9
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.02063
Std Dev 0.9794
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

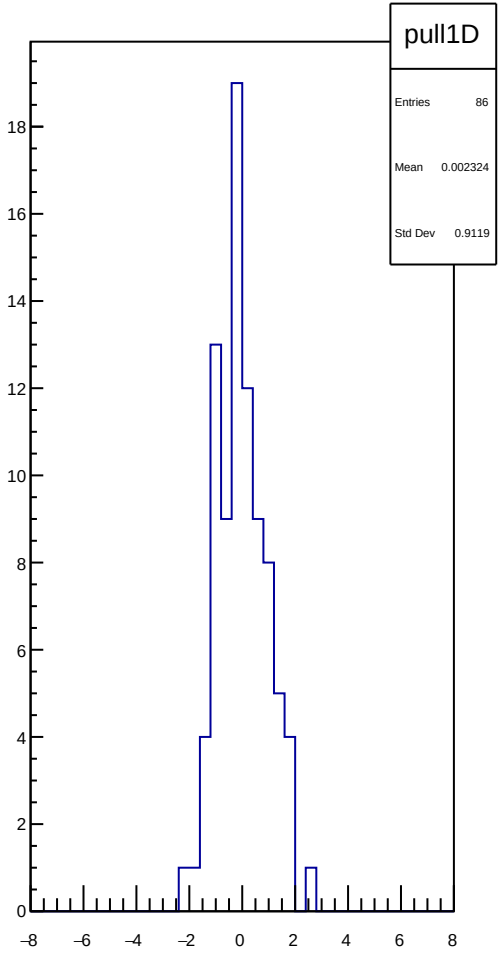

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 218.3 / 85
p0 −21.03 ± 0.1102
pull
Entries 86
Mean 556.4
Std Dev 506.3

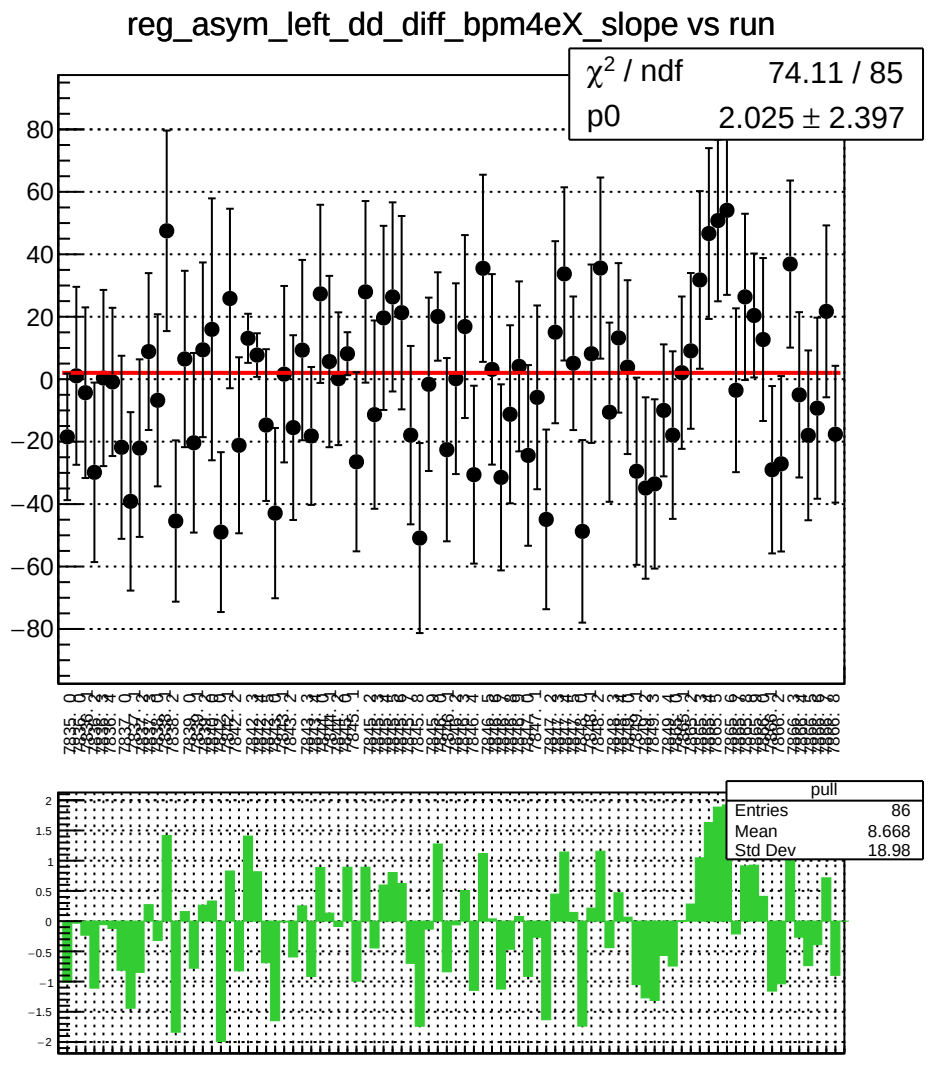

pull1D
Entries 86
Mean −0.03271
Std Dev 1.593

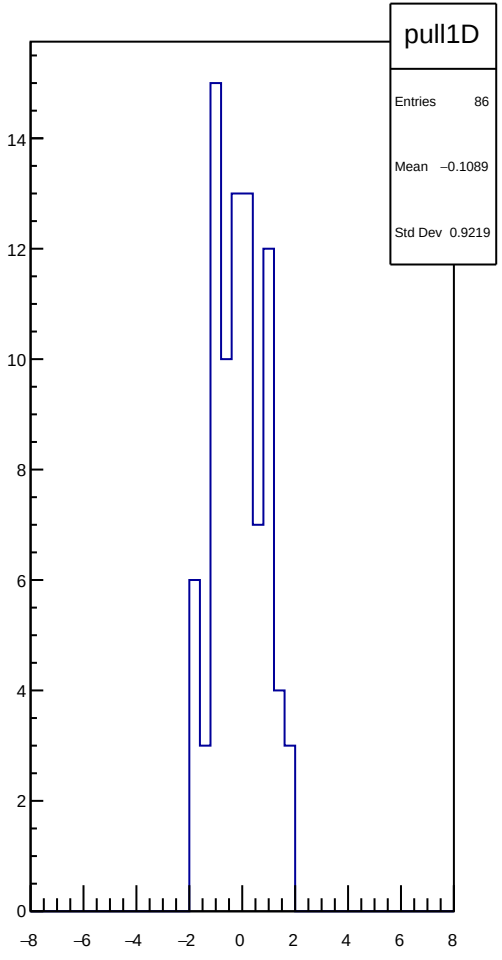

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 74.83 / 85
p0 −32.62 ± 2.743
pull
Entries 86
Mean −17.85
Std Dev 54.25

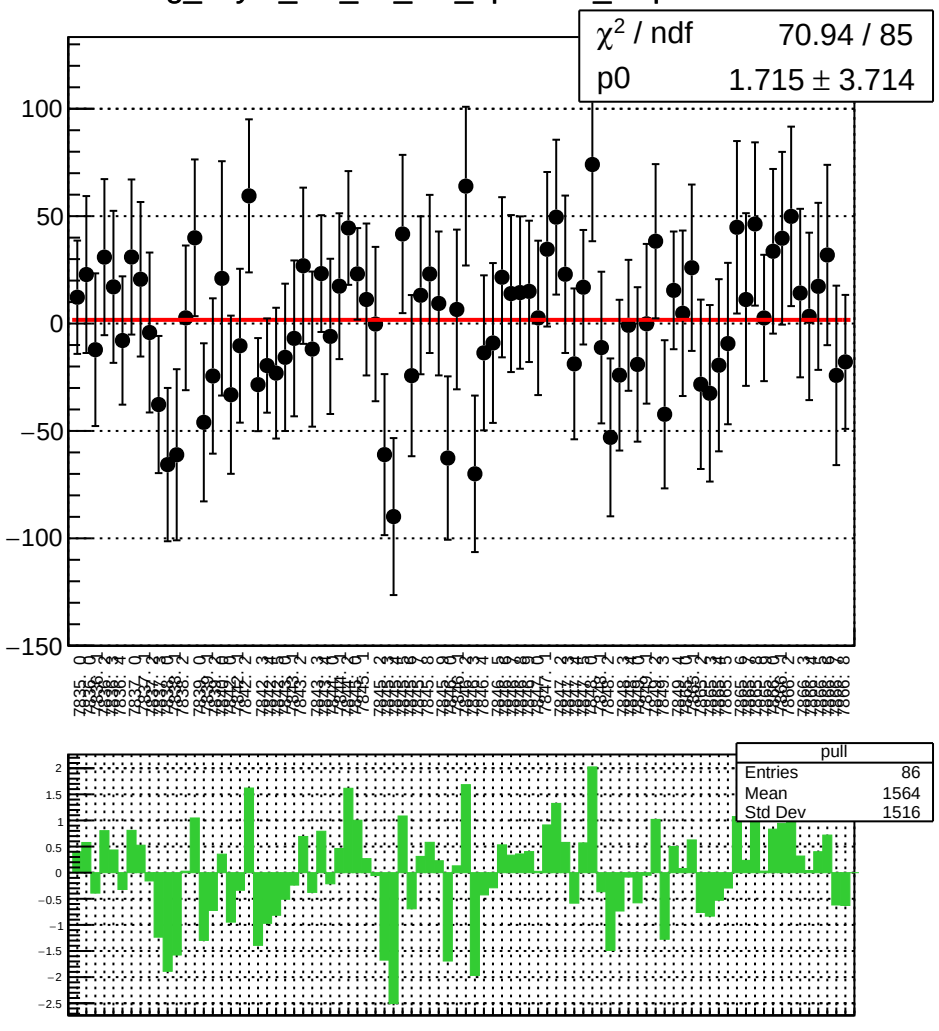

pull1D
Entries 86
Mean 0.07176
Std Dev 0.93

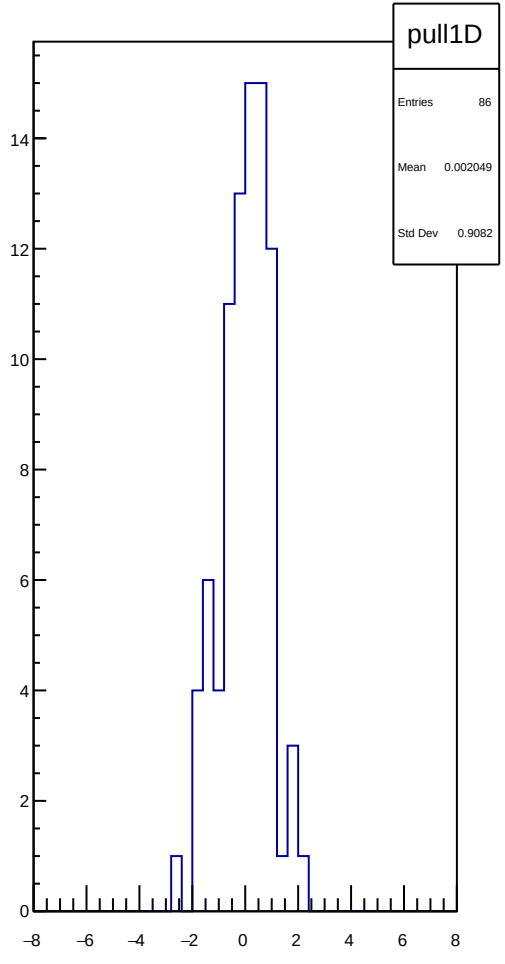

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 71.51 / 85
p0 9.435 ± 3.222
pull
Entries 86
Mean −940.1
Std Dev 990.5

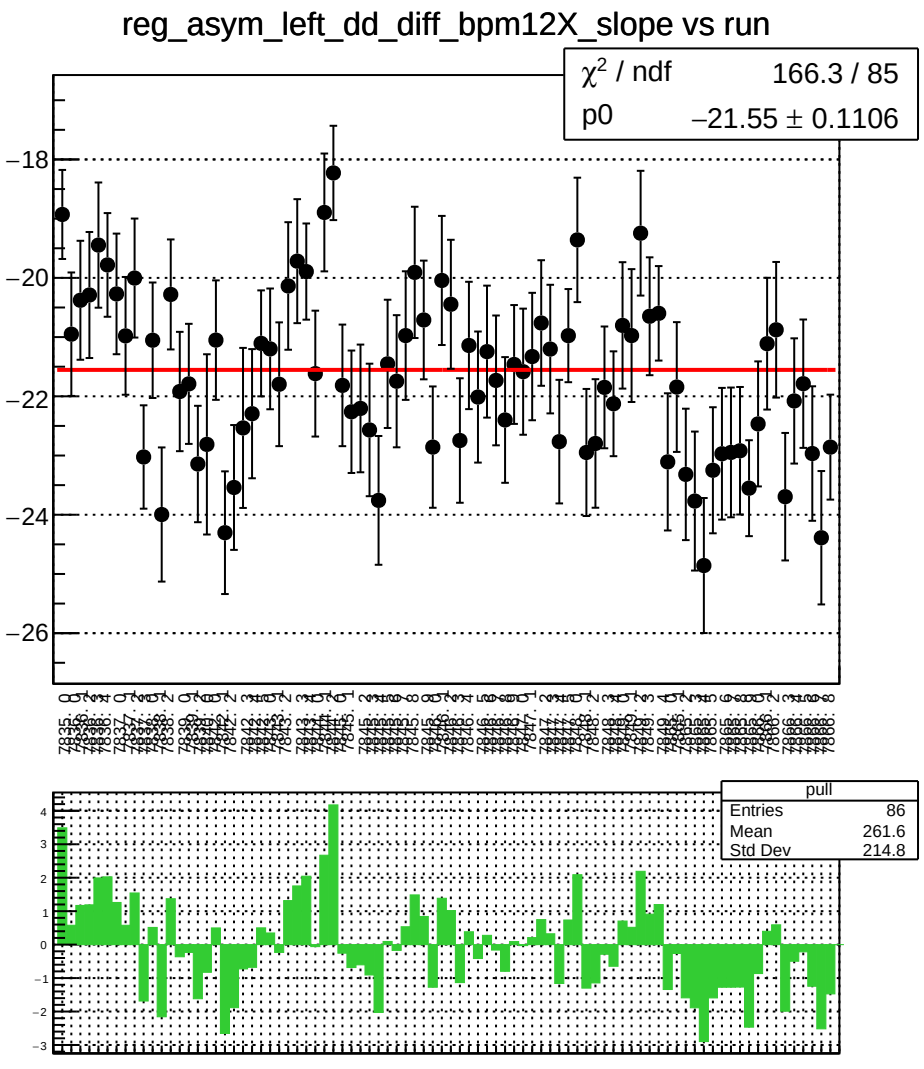

pull1D
Entries 86
Mean 0.002324
Std Dev 0.9119

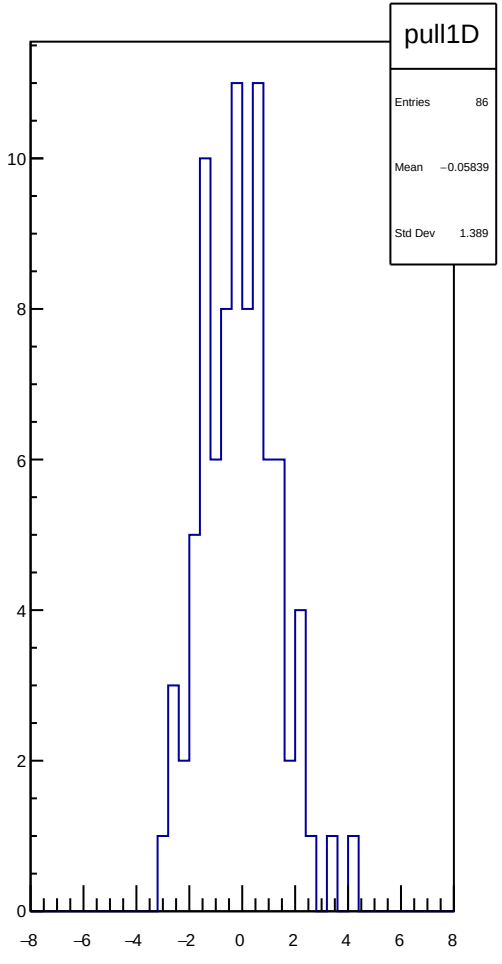

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 74.11 / 85
p0 2.025 ± 2.397
pull
Entries 86
Mean 8.668
Std Dev 18.98

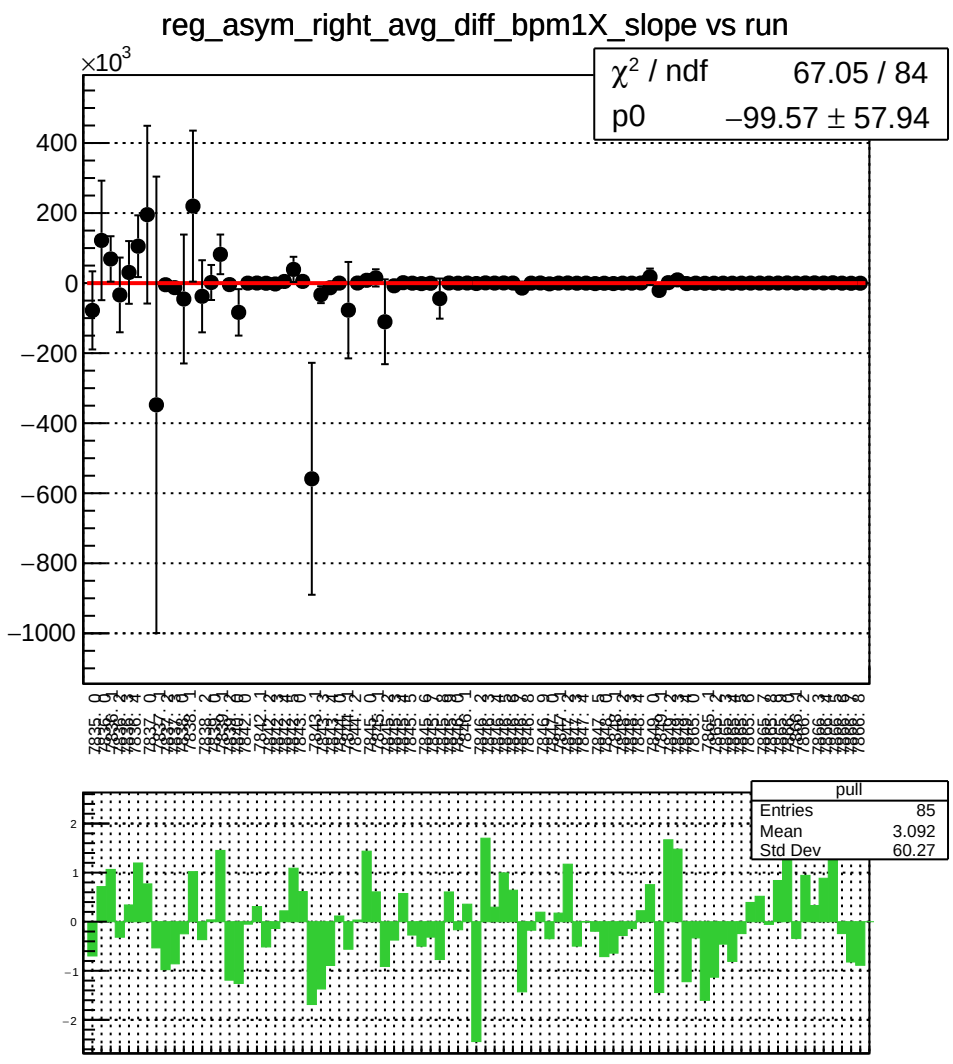

pull1D
Entries 86
Mean −0.1089
Std Dev 0.9219

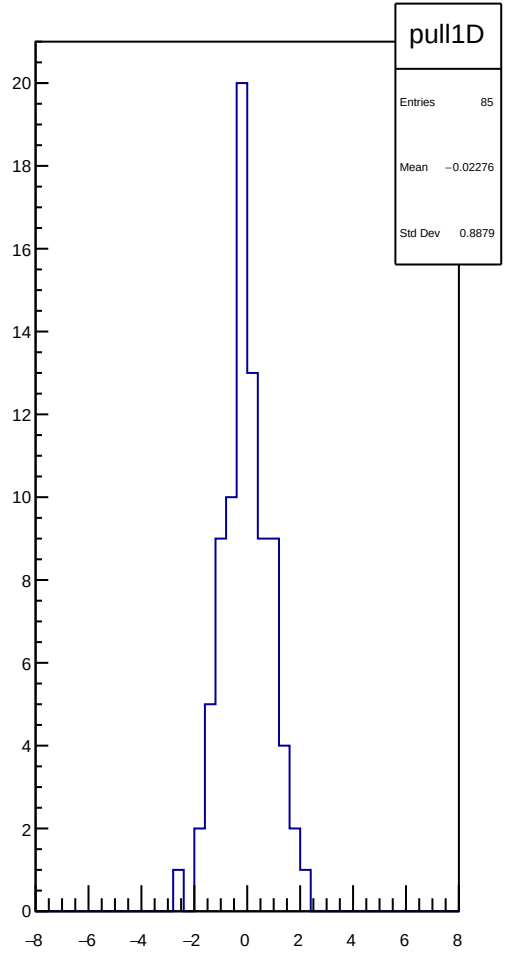

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 70.94 / 85
p0 1.715 ± 3.714
pull
Entries 86
Mean 1564
Std Dev 1516

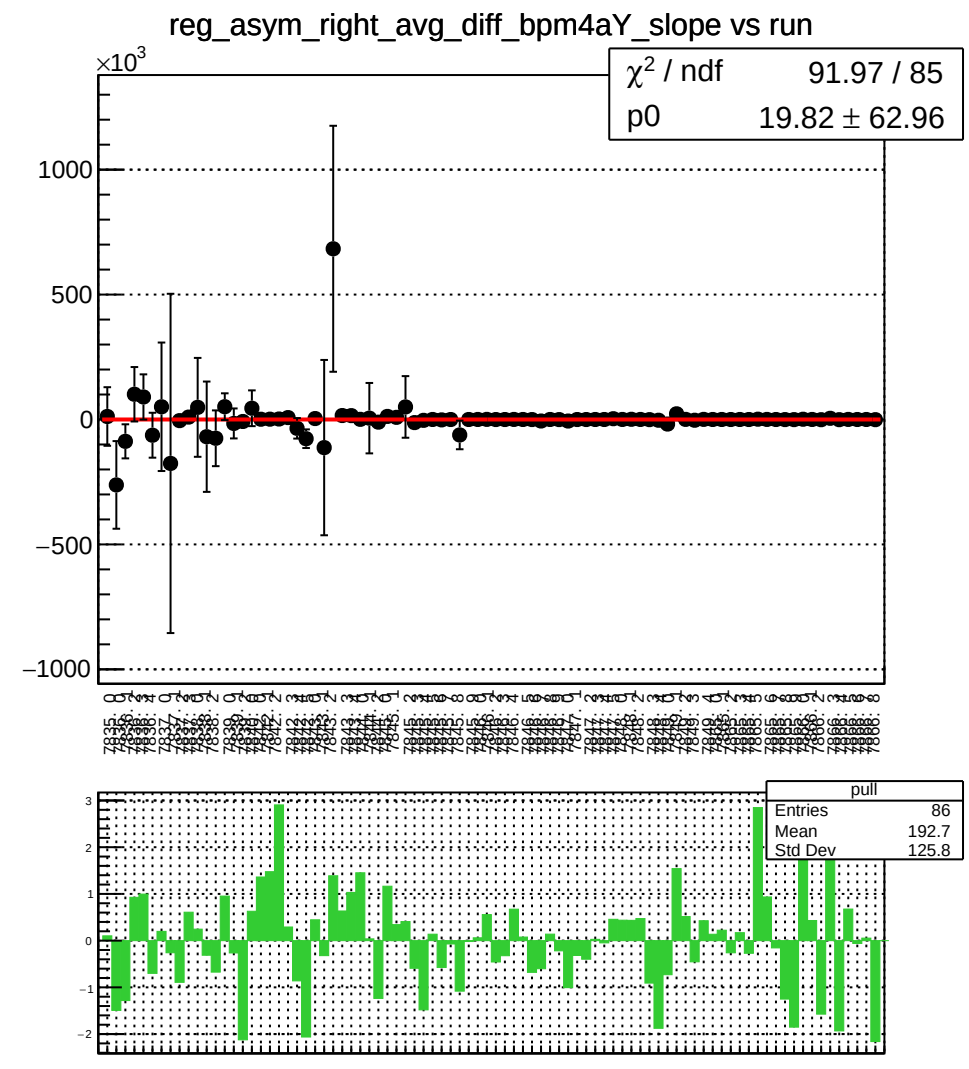

pull1D
Entries 86
Mean 0.002049
Std Dev 0.9082

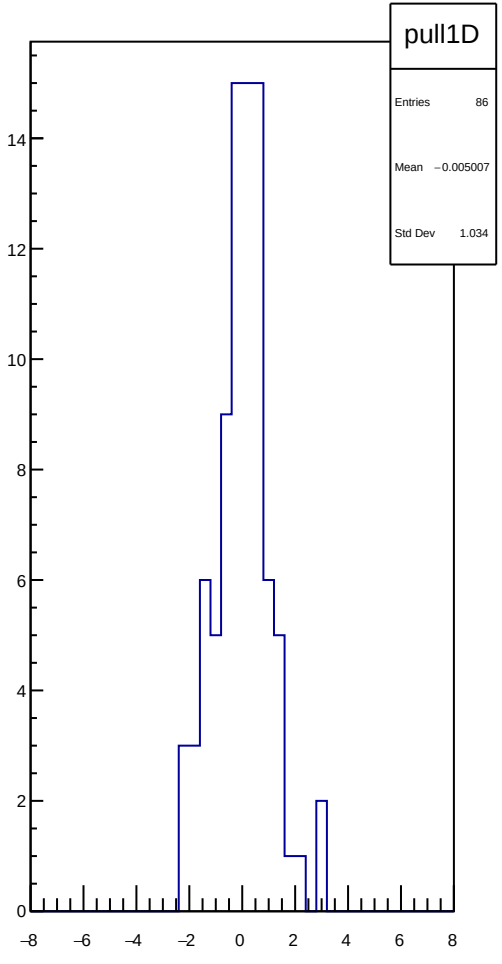

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 166.3 / 85
p0 −21.55 ± 0.1106
−18
−20
−22
−24
−26
pull
Entries 86
Mean 261.6
Std Dev 214.8
4
3
2
1
0
−1
−2
−3

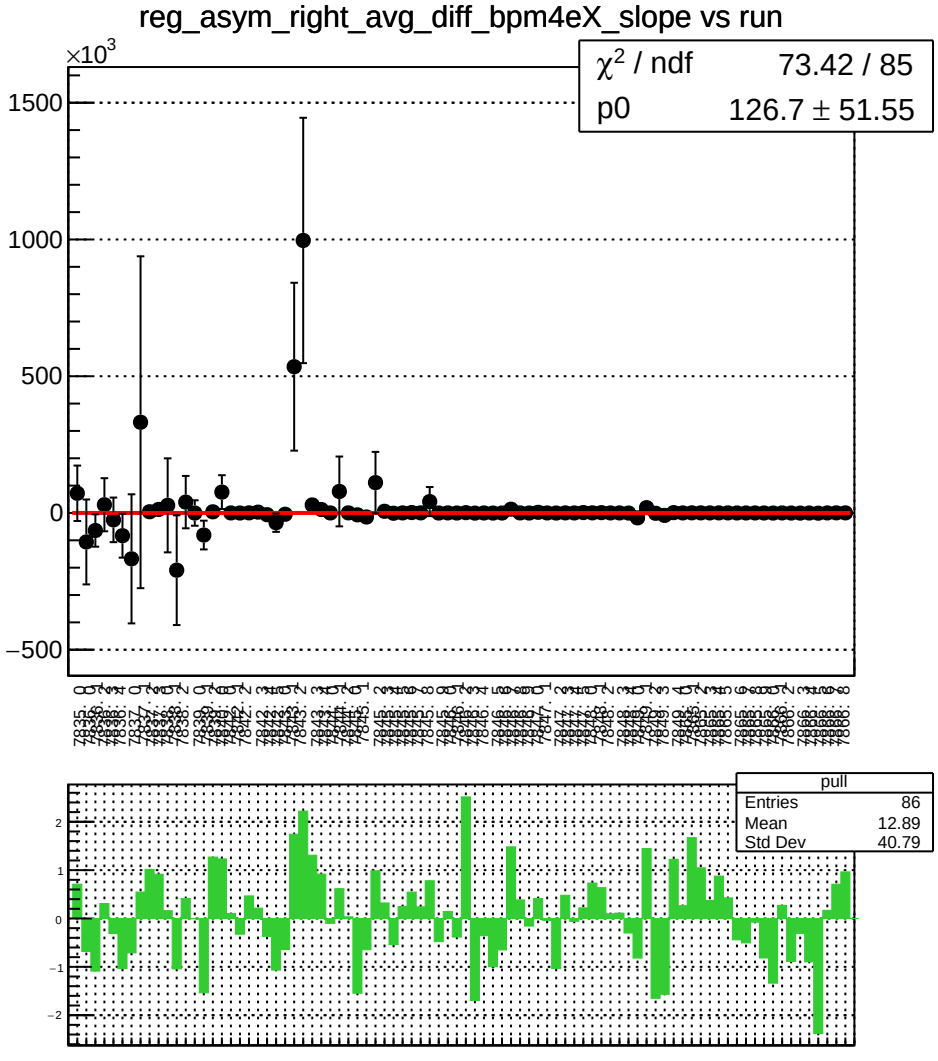

pull1D
Entries 86
Mean −0.05839
Std Dev 1.389
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

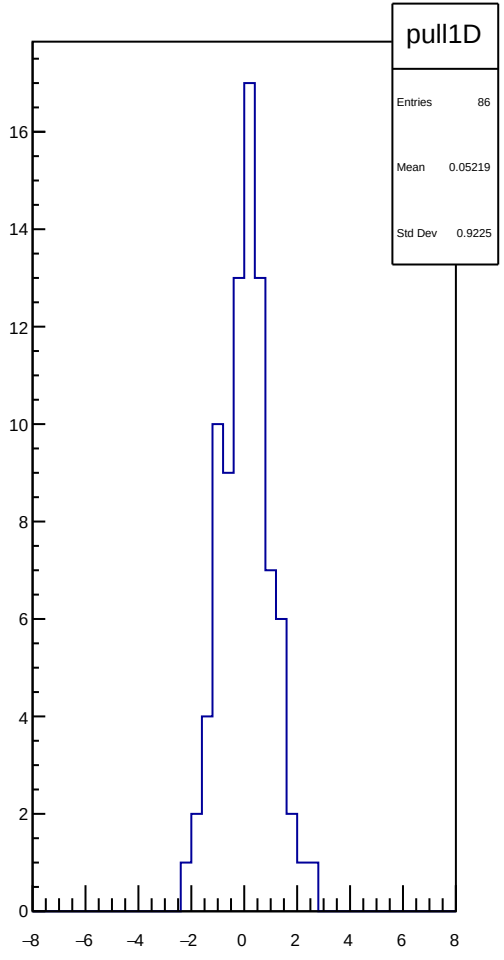

reg_asym_right_avg_diff_bpm1X_slope vs run
×10^3
χ² / ndf 67.05 / 84
p0 −99.57 ± 57.94
400
200
0
−200
−400
−600
−800
−1000
pull
Entries 85
Mean 3.092
Std Dev 60.27
2
1
0
−1
−2

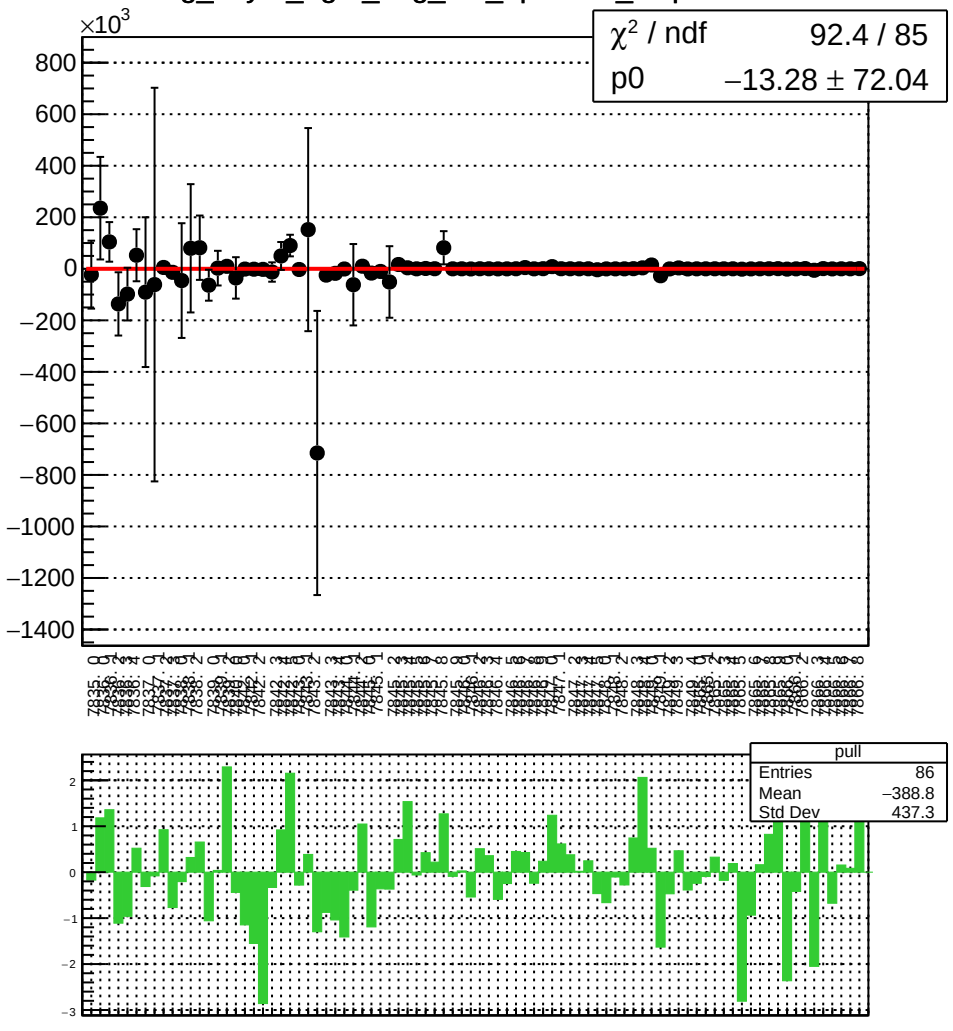

pull1D
Entries 85
Mean −0.02276
Std Dev 0.8879
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

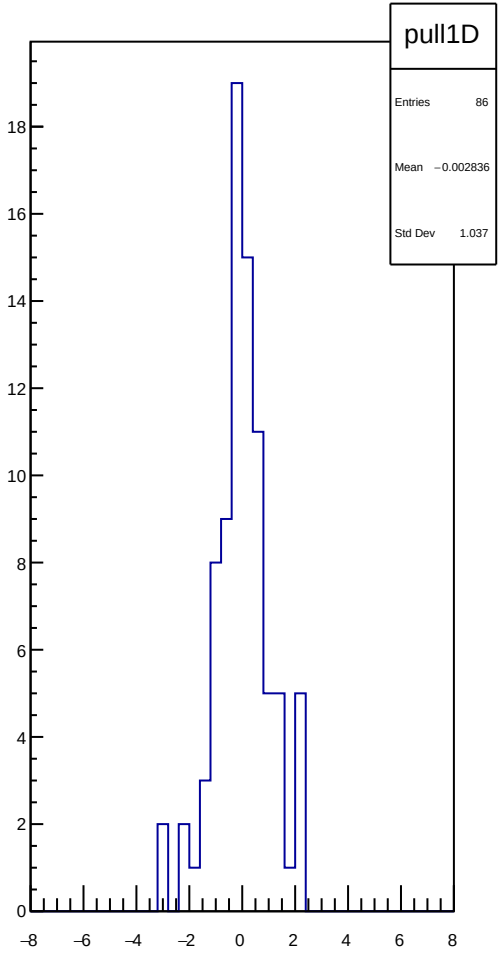

reg_asym_right_avg_diff_bpm4aY_slope vs run
×10^3
χ^2 / ndf 91.97 / 85
p0 19.82 ± 62.96
1000
500
0
−500
−1000
pull
Entries 86
Mean 192.7
Std Dev 125.8
3
2
1
0
−1
−2

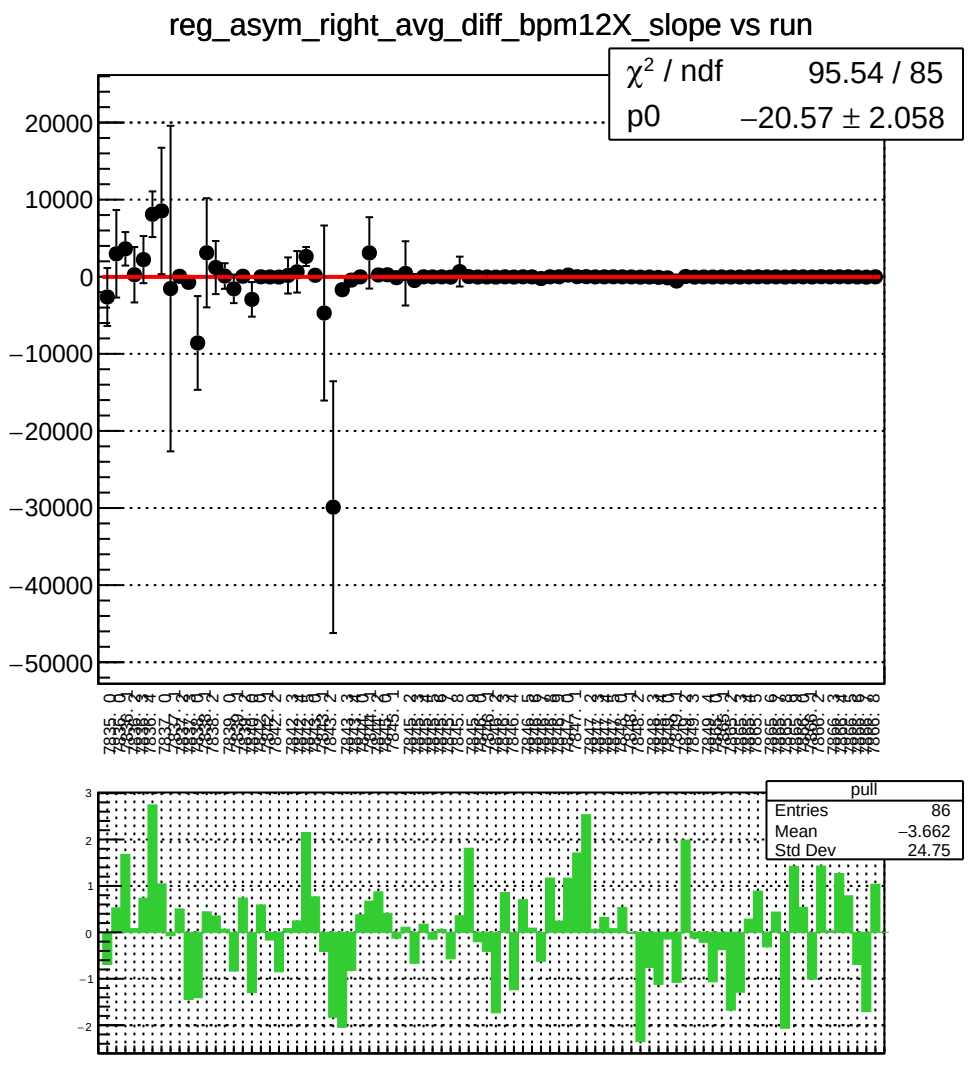

pull1D
Entries 86
Mean −0.005007
Std Dev 1.034
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

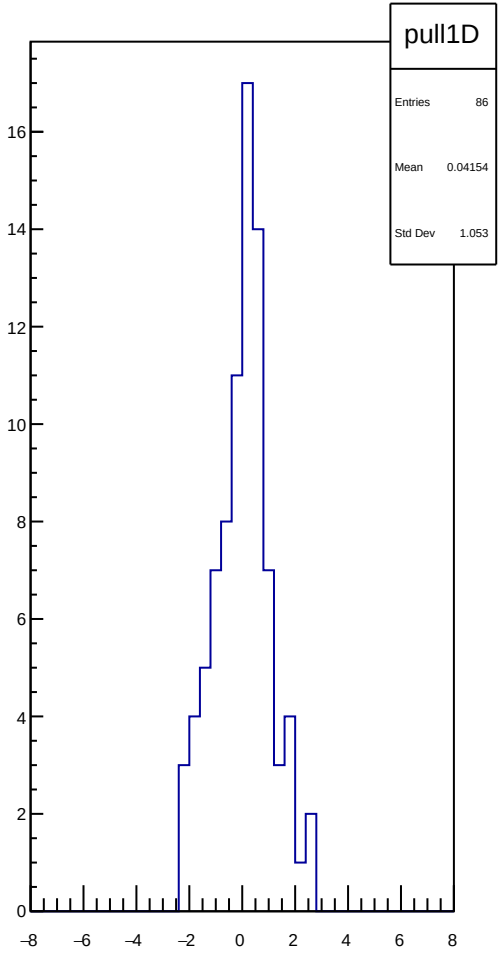

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 73.42 / 85
p0 126.7 ± 51.55
×10³
1500
1000
500
0
−500
pull
Entries 86
Mean 12.89
Std Dev 40.79
2
1
0
−1
−2

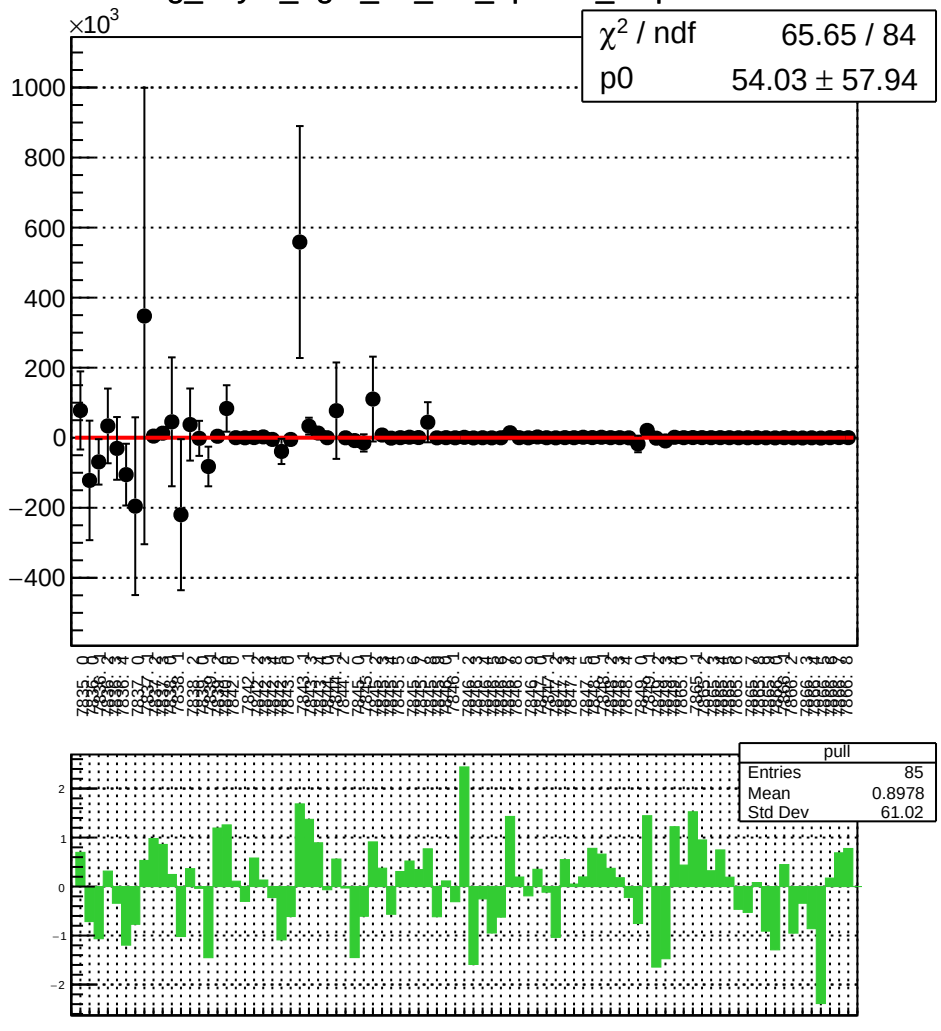

pull1D
Entries 86
Mean 0.05219
Std Dev 0.9225
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

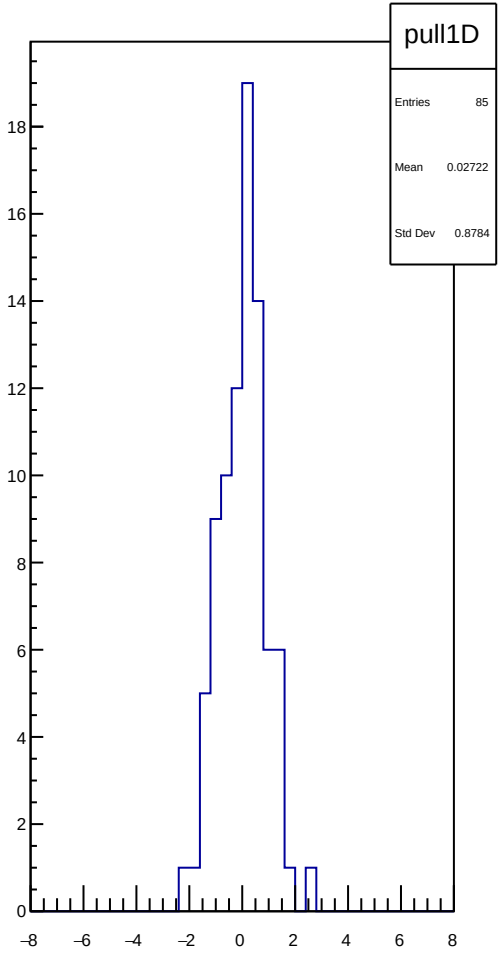

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 92.4 / 85
p0 −13.28 ± 72.04
×10³
pull
Entries 86
Mean −388.8
Std Dev 437.3

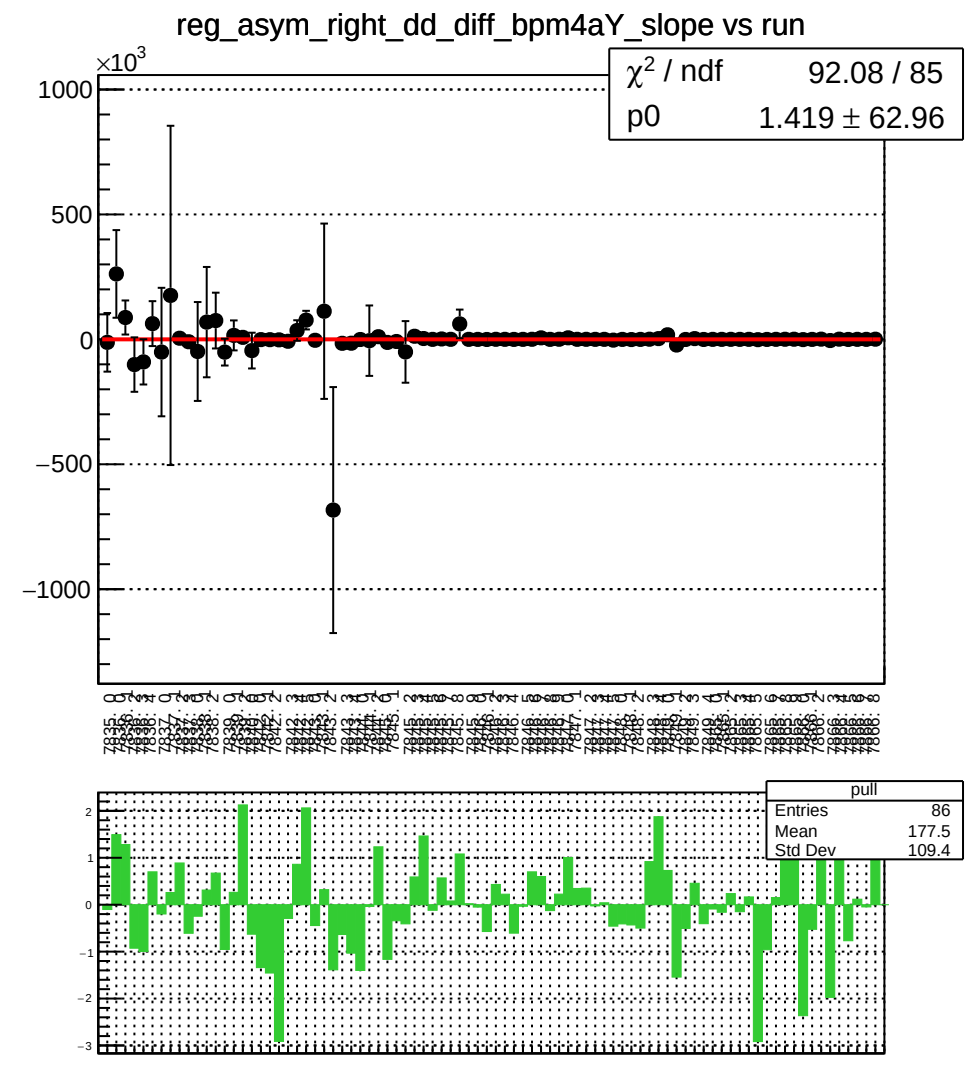

pull1D
Entries 86
Mean −0.002836
Std Dev 1.037

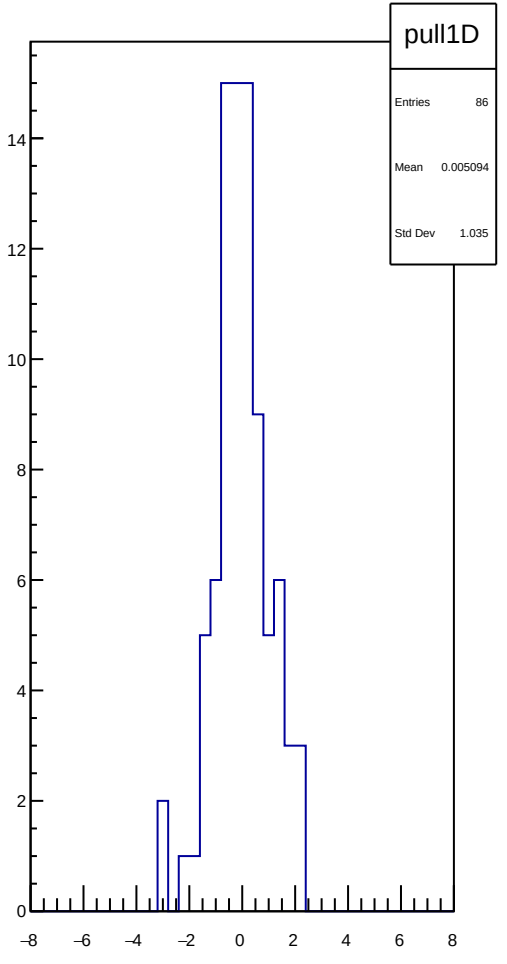

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 95.54 / 85
p0 −20.57 ± 2.058
pull
Entries 86
Mean −3.662
Std Dev 24.75

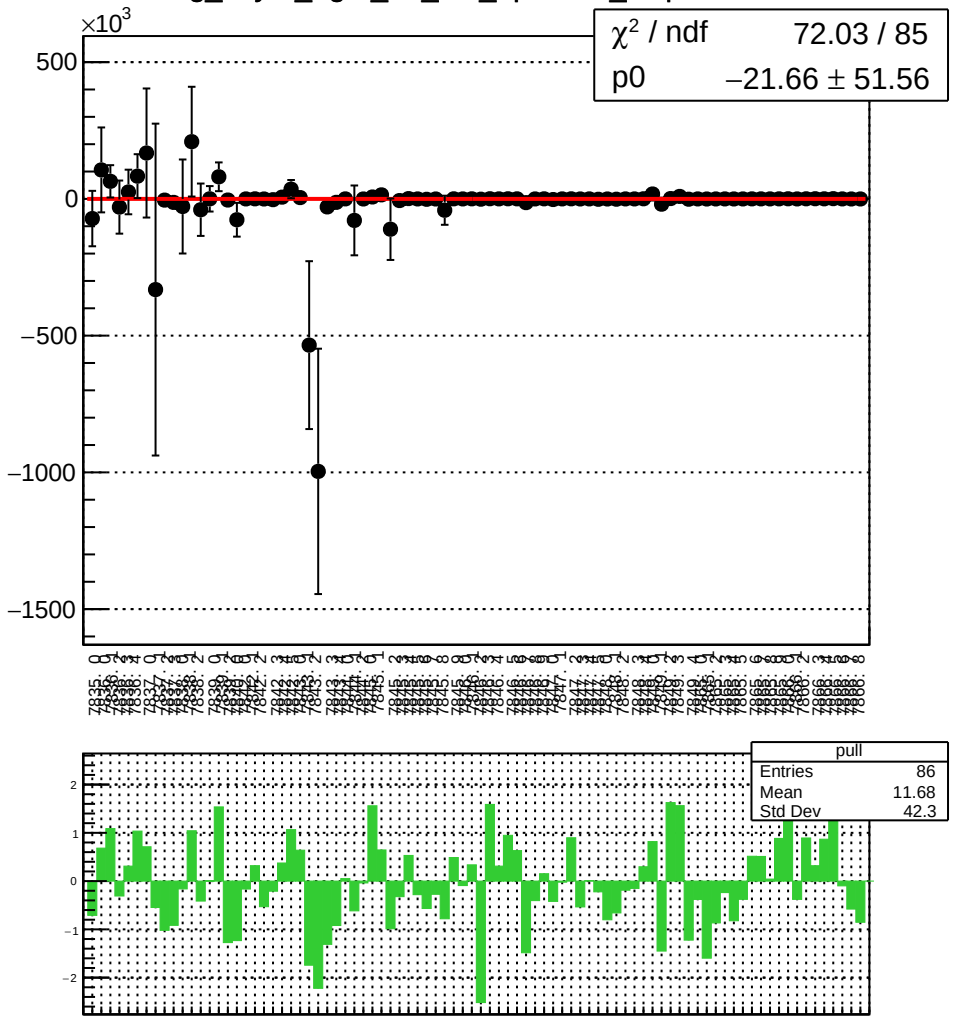

pull1D
Entries 86
Mean 0.04154
Std Dev 1.053

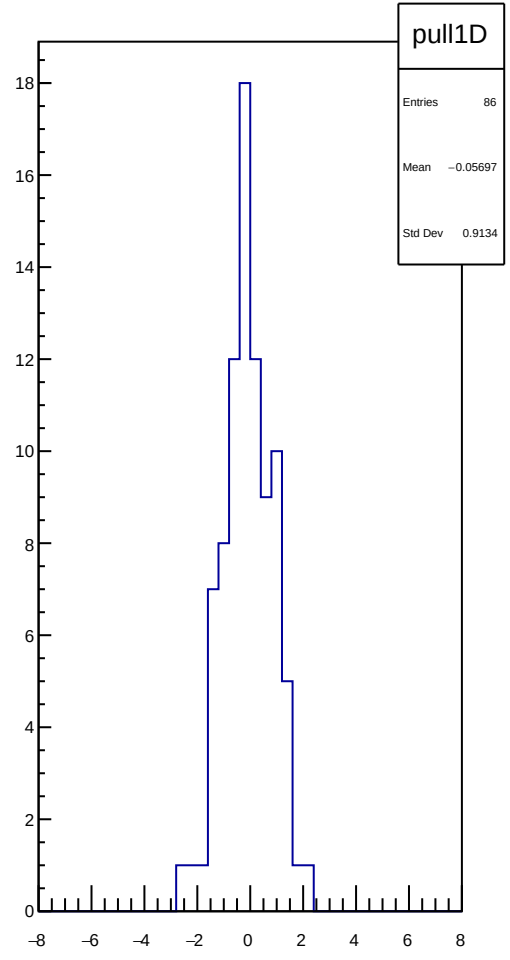

reg_asym_right_dd_diff_bpm1X_slope vs run
×10^3
χ² / ndf 65.65 / 84
p0 54.03 ± 57.94
pull
Entries 85
Mean 0.8978
Std Dev 61.02

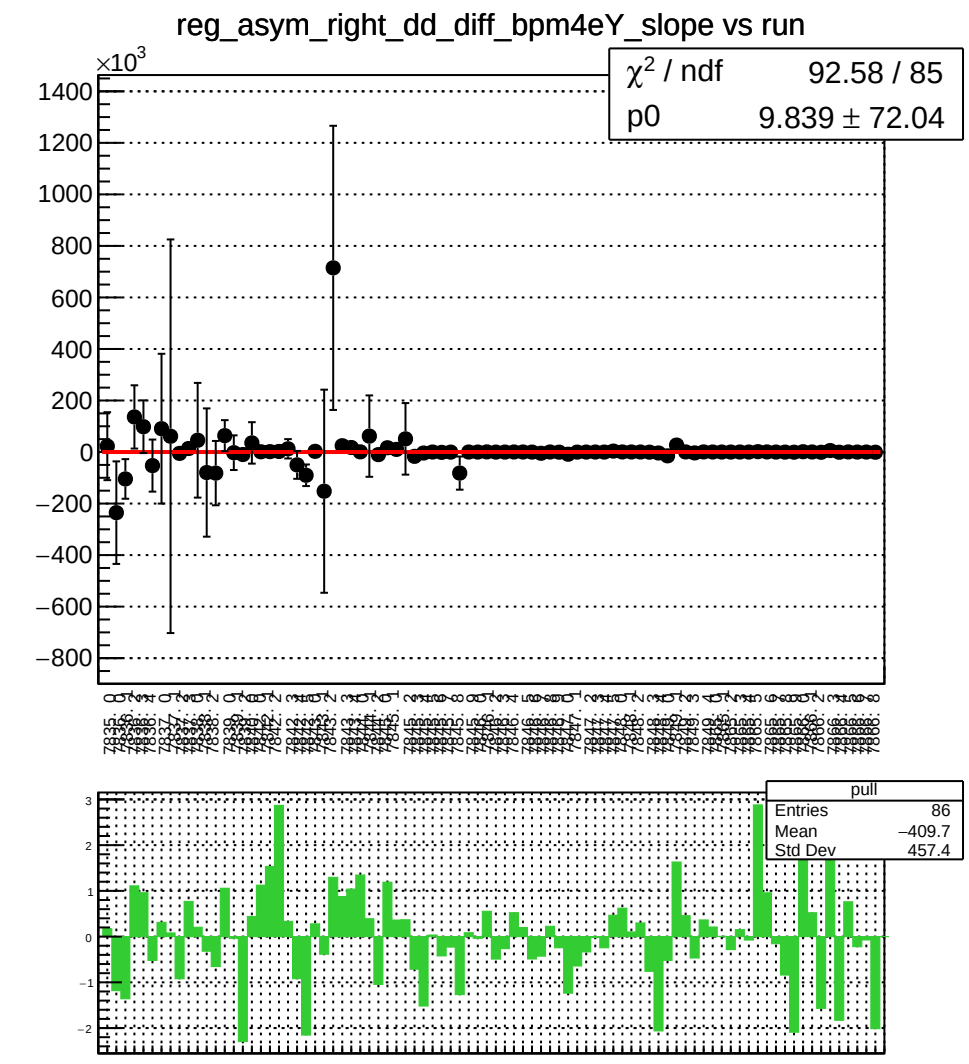

pull1D
Entries 85
Mean 0.02722
Std Dev 0.8784

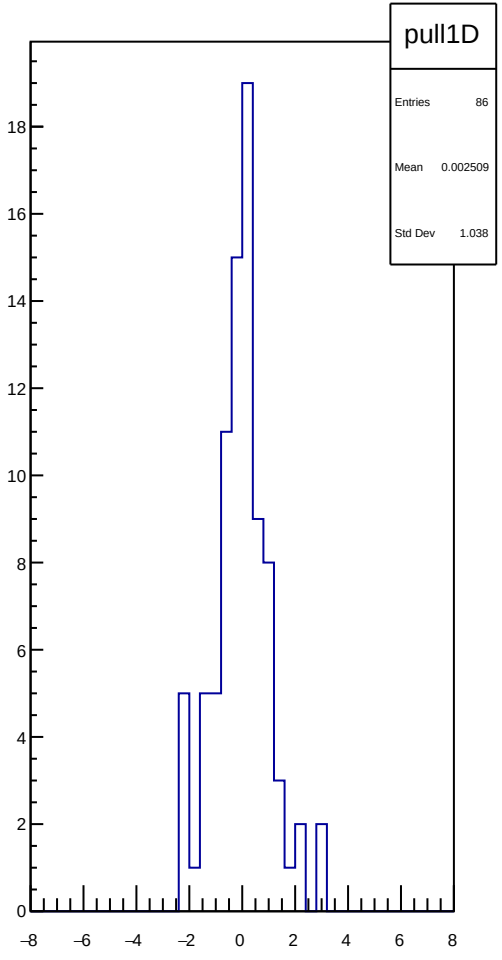

reg_asym_right_dd_diff_bpm4aY_slope vs run
×10^3
1000
500
0
−500
−1000
χ² / ndf 92.08 / 85
p0 1.419 ± 62.96
pull
Entries 86
Mean 177.5
Std Dev 109.4
2
1
0
−1
−2
−3

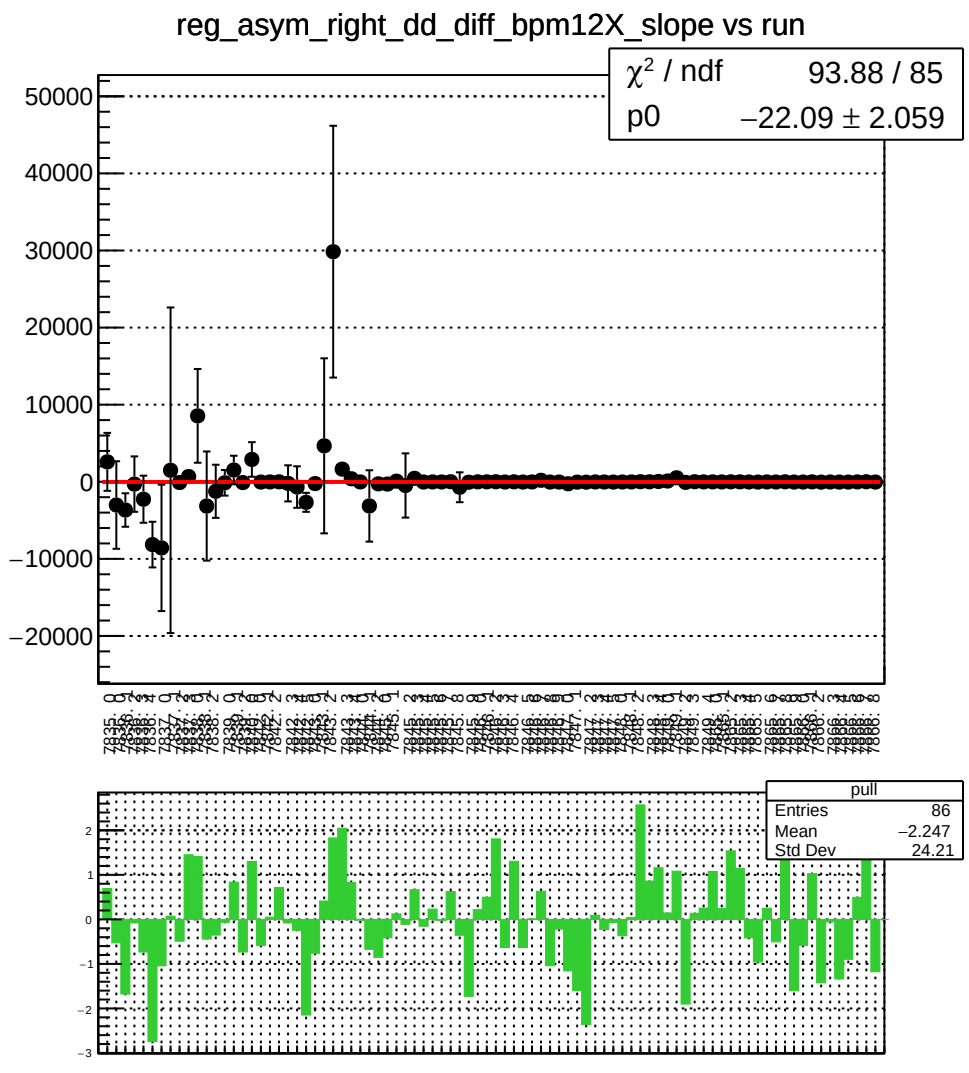

pull1D
Entries 86
Mean 0.005094
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

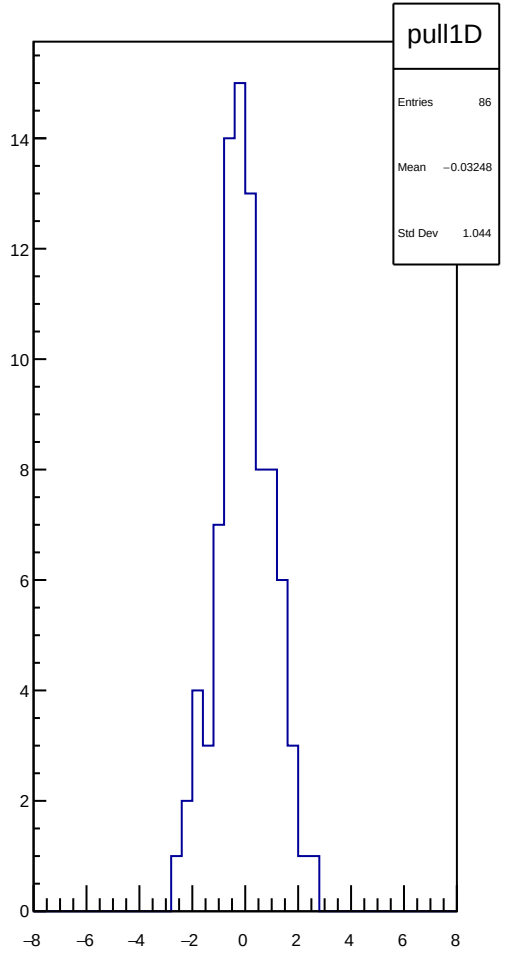

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 72.03 / 85
p0 −21.66 ± 51.56
×10³
500
0
−500
−1000
−1500
pull
Entries 86
Mean 11.68
Std Dev 42.3
2
1
0
−1
−2

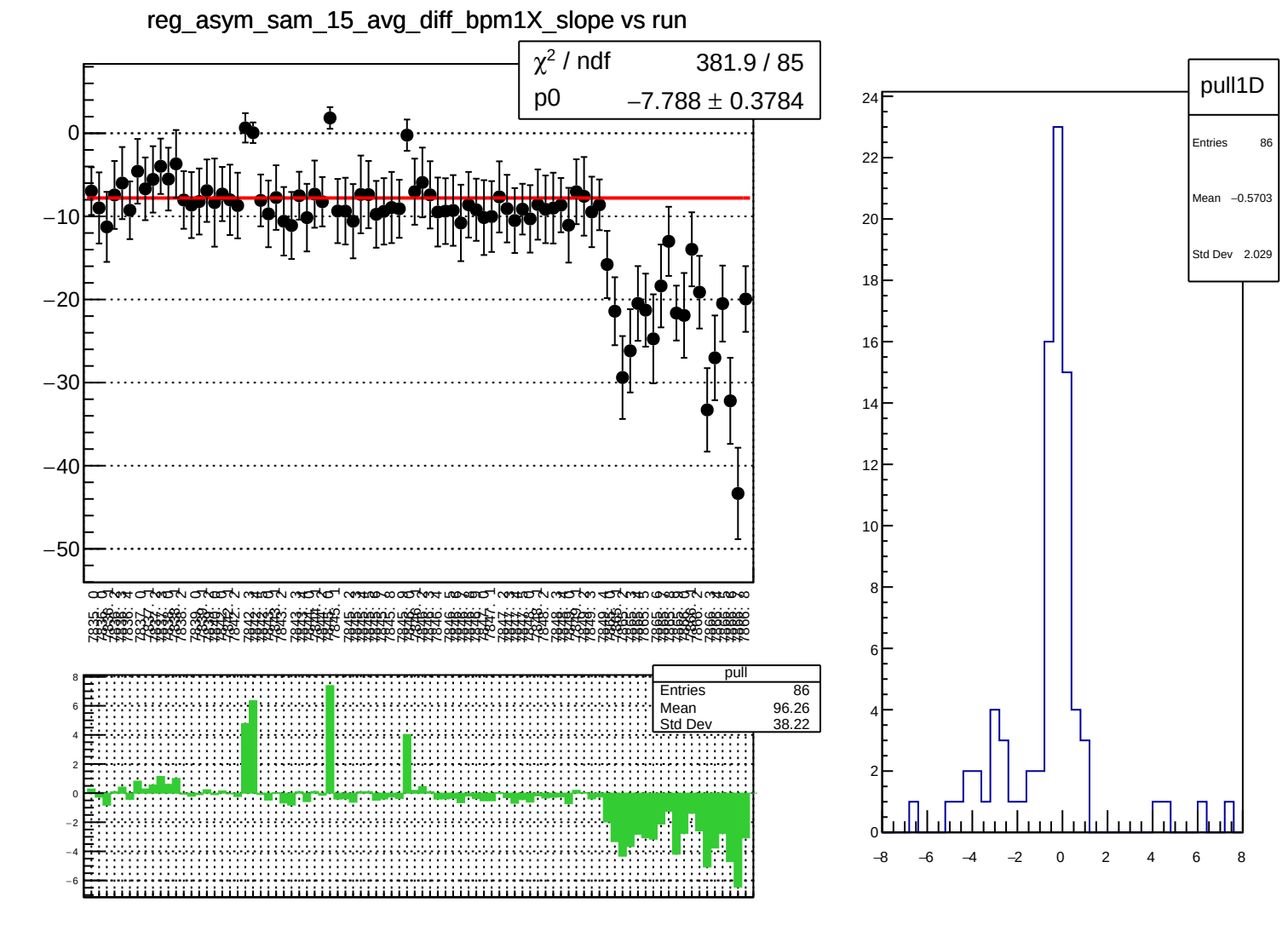

pull1D
Entries 86
Mean −0.05697
Std Dev 0.9134
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

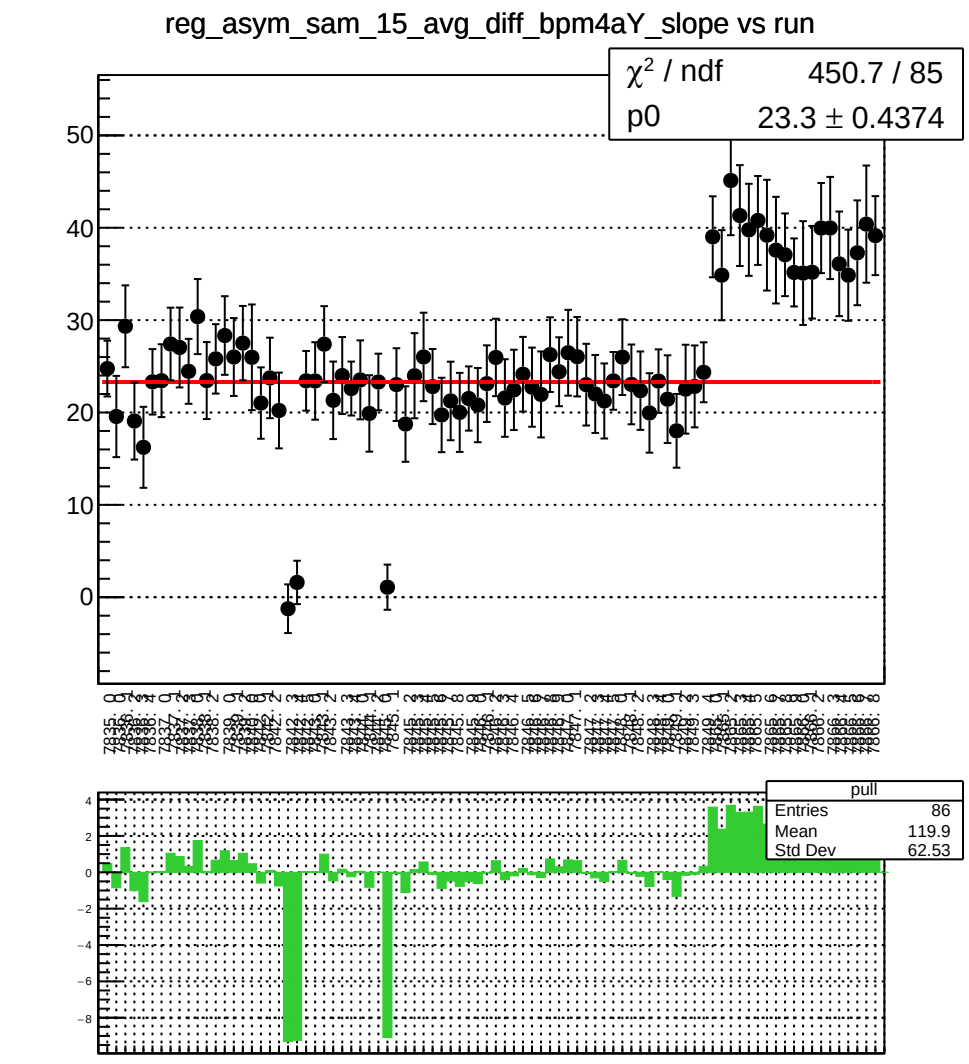

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 92.58 / 85
p0 9.839 ± 72.04
×10³
pull
Entries 86
Mean −409.7
Std Dev 457.4

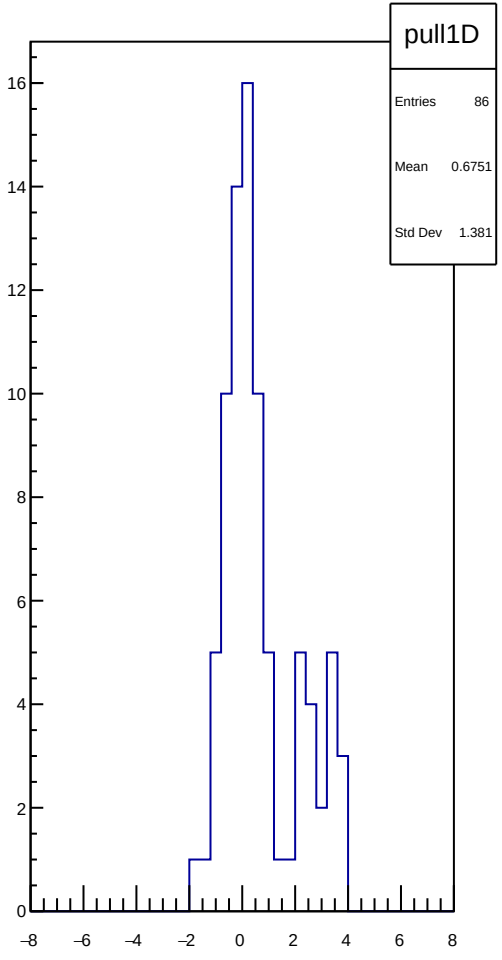

pull1D
Entries 86
Mean 0.002509
Std Dev 1.038

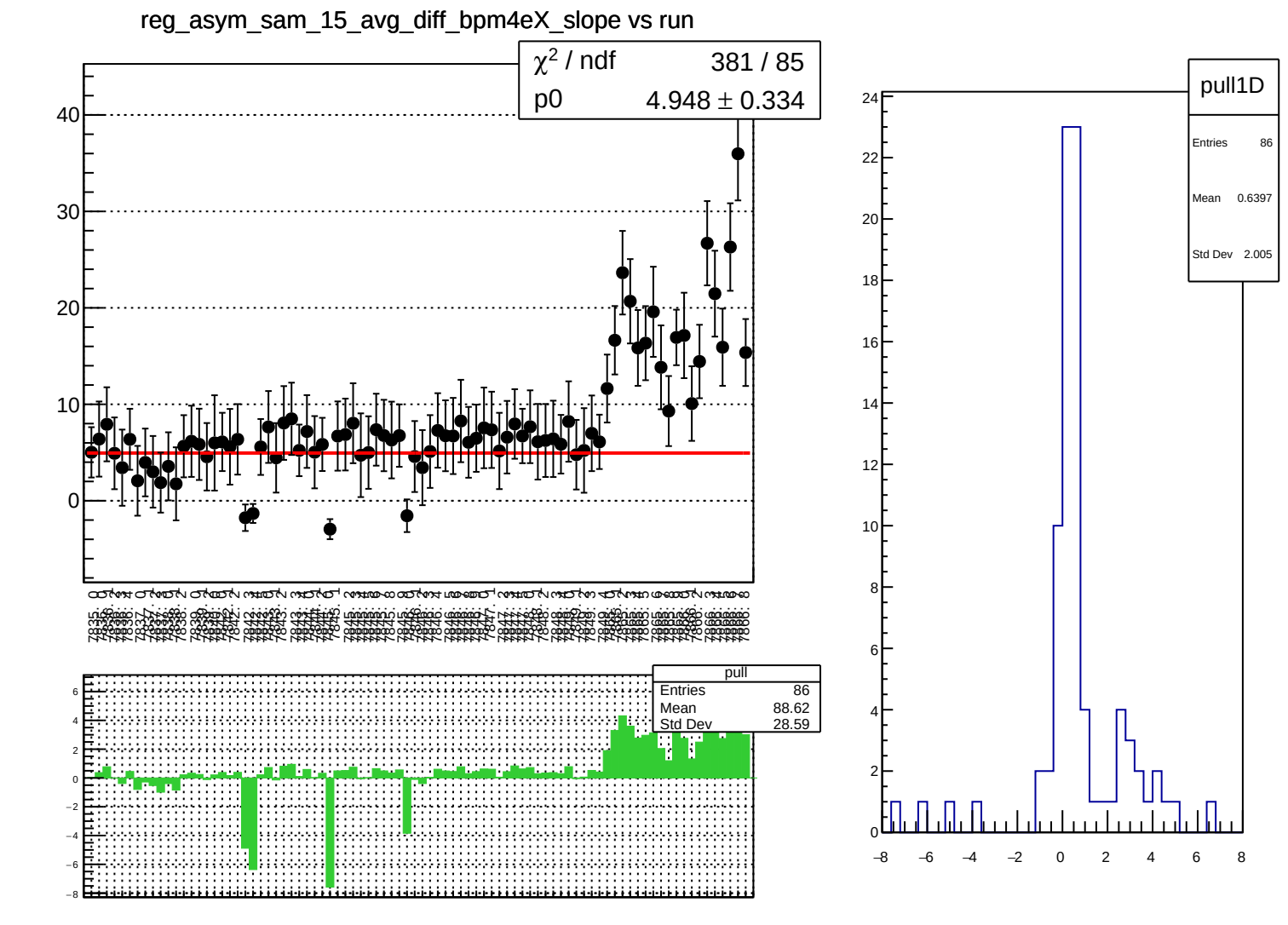

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 93.88 / 85
p0 −22.09 ± 2.059
50000
40000
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −2.247
Std Dev 24.21
2
1
0
−1
−2
−3

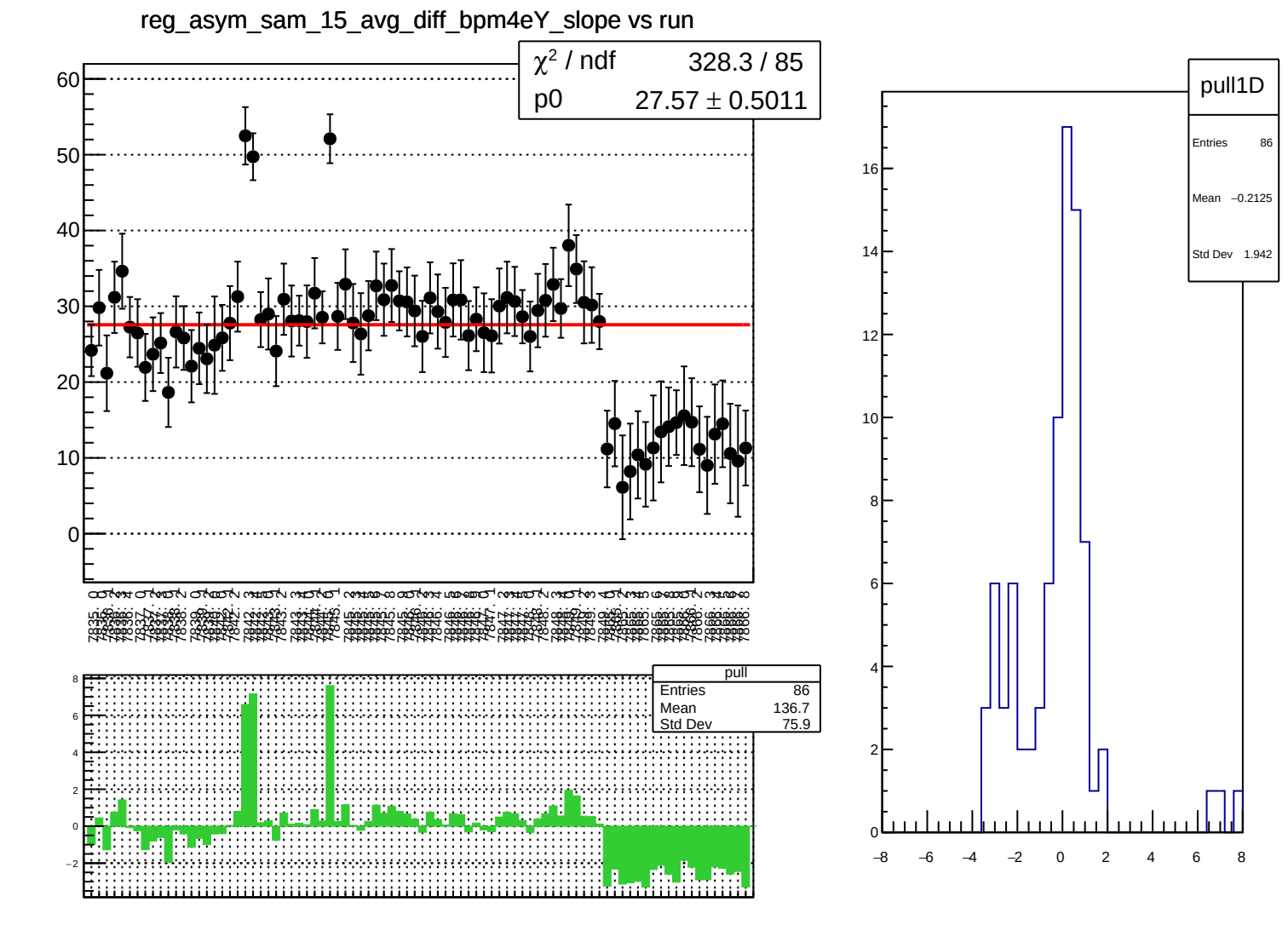

pull1D
Entries 86
Mean −0.03248
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

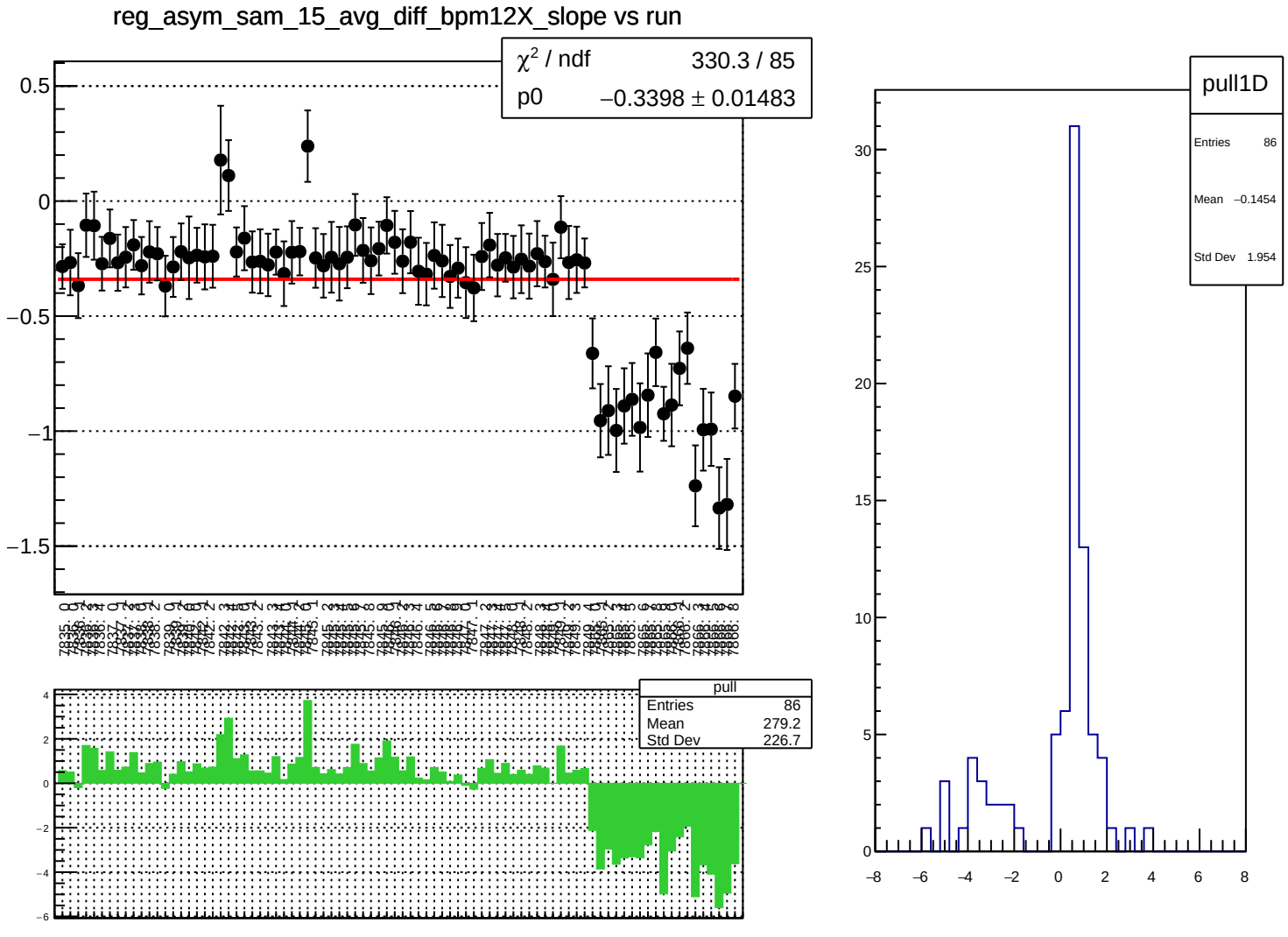

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 381.9 / 85
p0 −7.788 ± 0.3784
pull
Entries 86
Mean 96.26
Std Dev 38.22
pull1D
Entries 86
Mean −0.5703
Std Dev 2.029

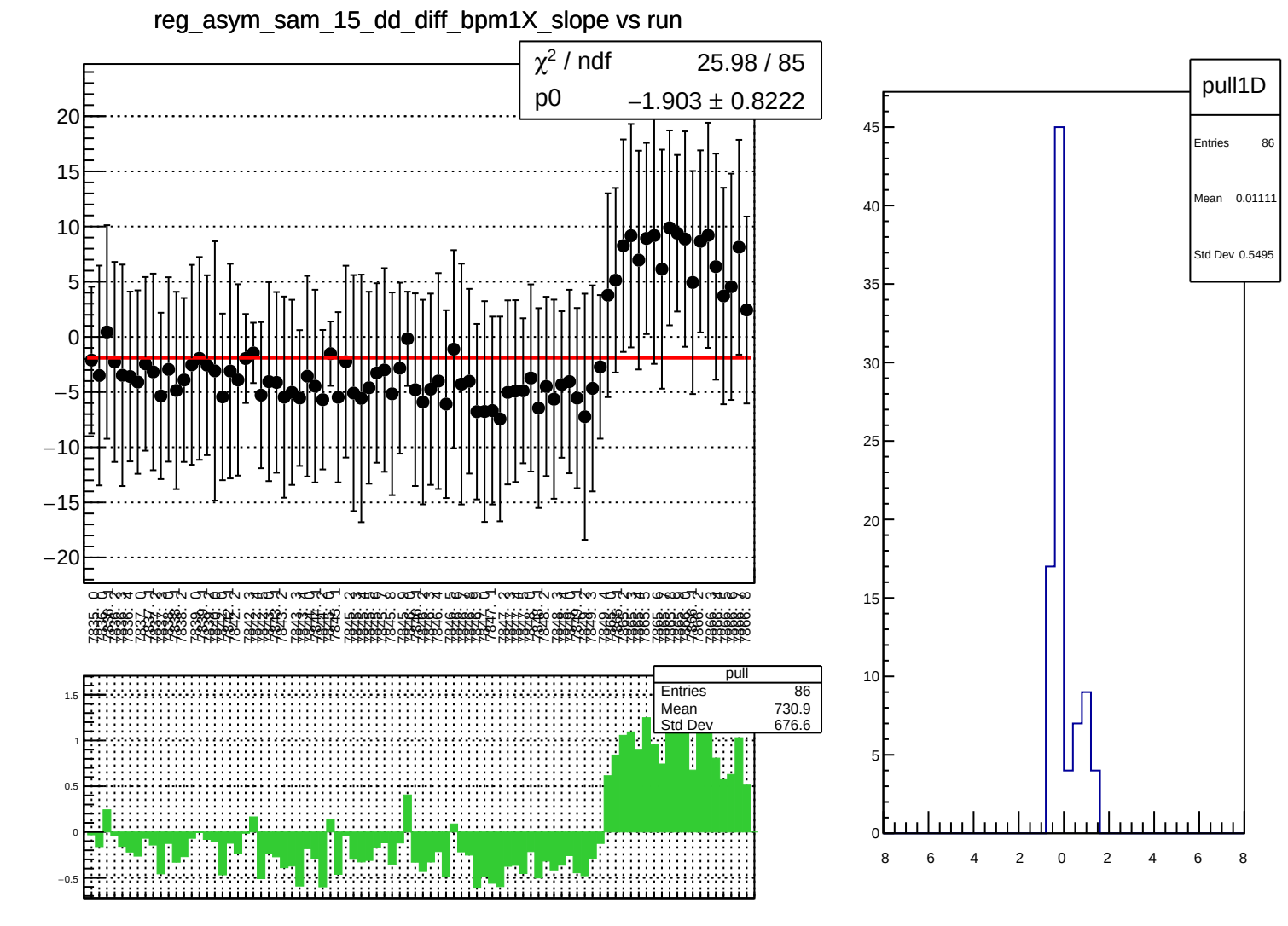

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 450.7 / 85
p0 23.3 ± 0.4374
pull
Entries 86
Mean 119.9
Std Dev 62.53

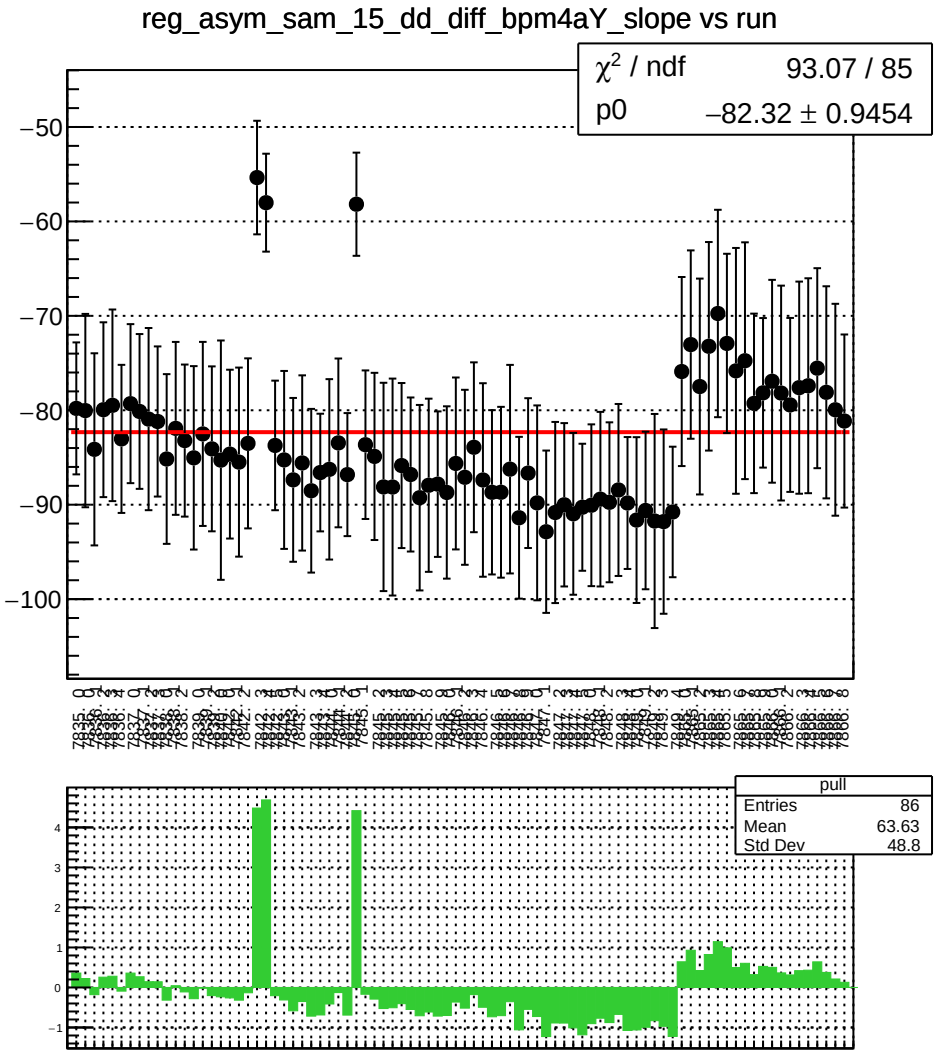

pull1D
Entries 86
Mean 0.6751
Std Dev 1.381

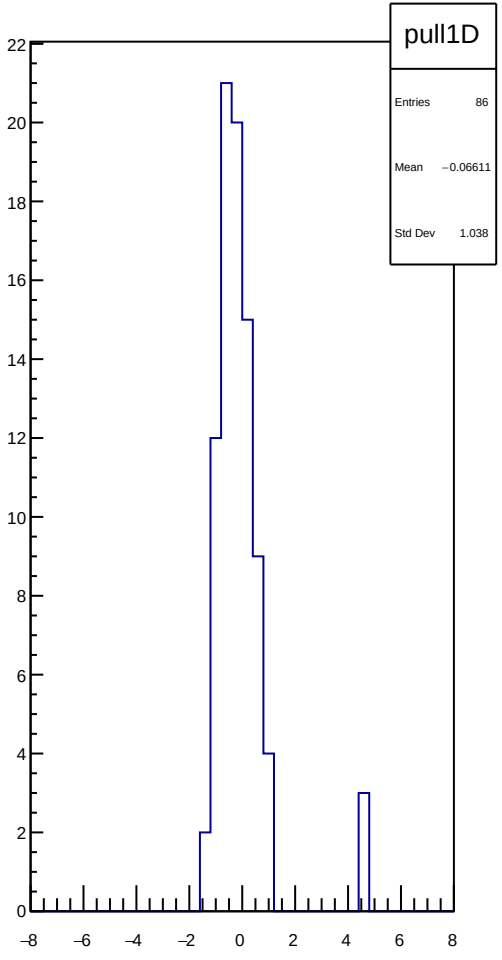

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 381 / 85
p0 4.948 ± 0.334
pull
Entries 86
Mean 88.62
Std Dev 28.59
pull1D
Entries 86
Mean 0.6397
Std Dev 2.005

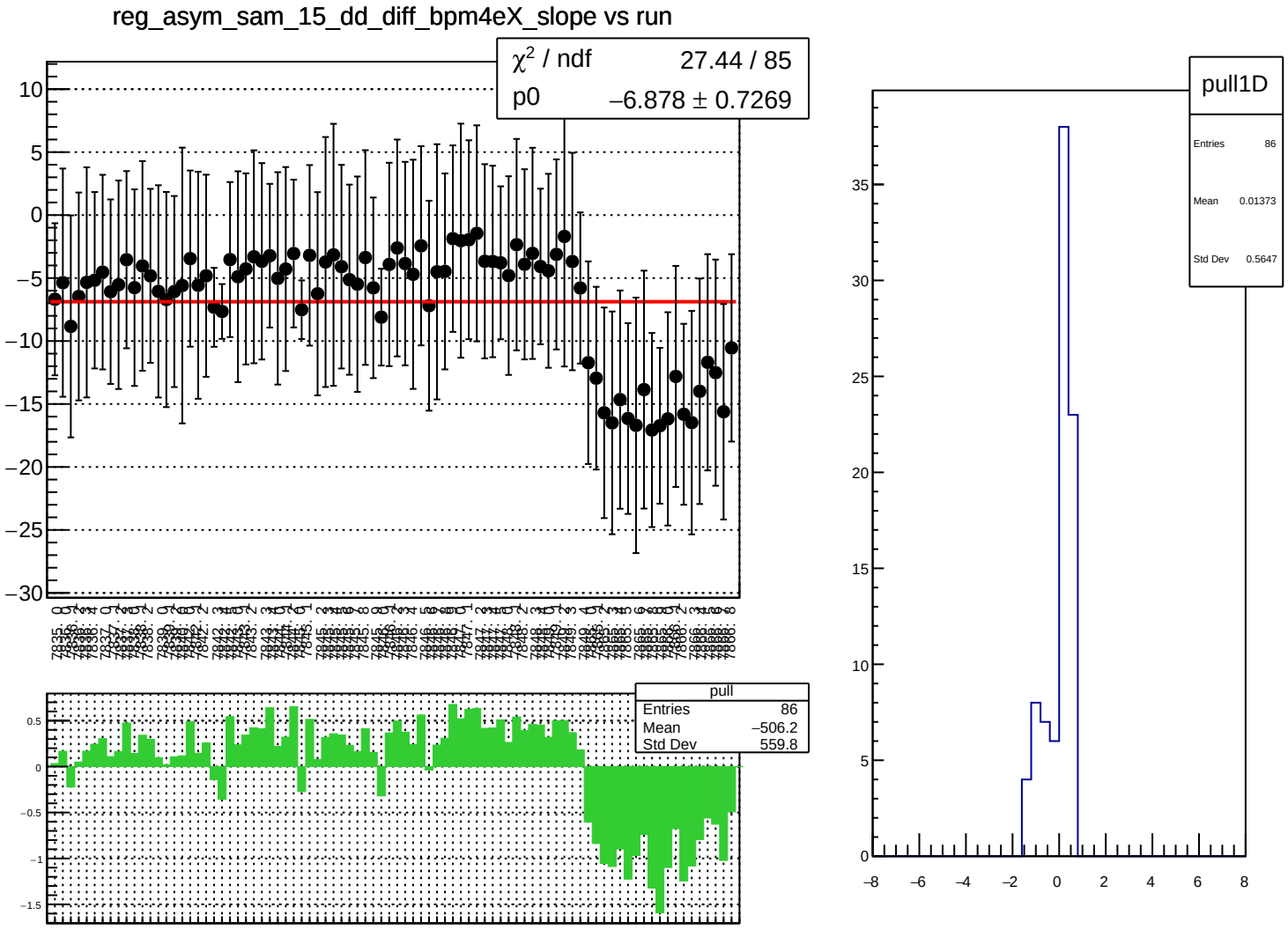

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 328.3 / 85
p0 27.57 ± 0.5011
pull
Entries 86
Mean 136.7
Std Dev 75.9
pull1D
Entries 86
Mean −0.2125
Std Dev 1.942

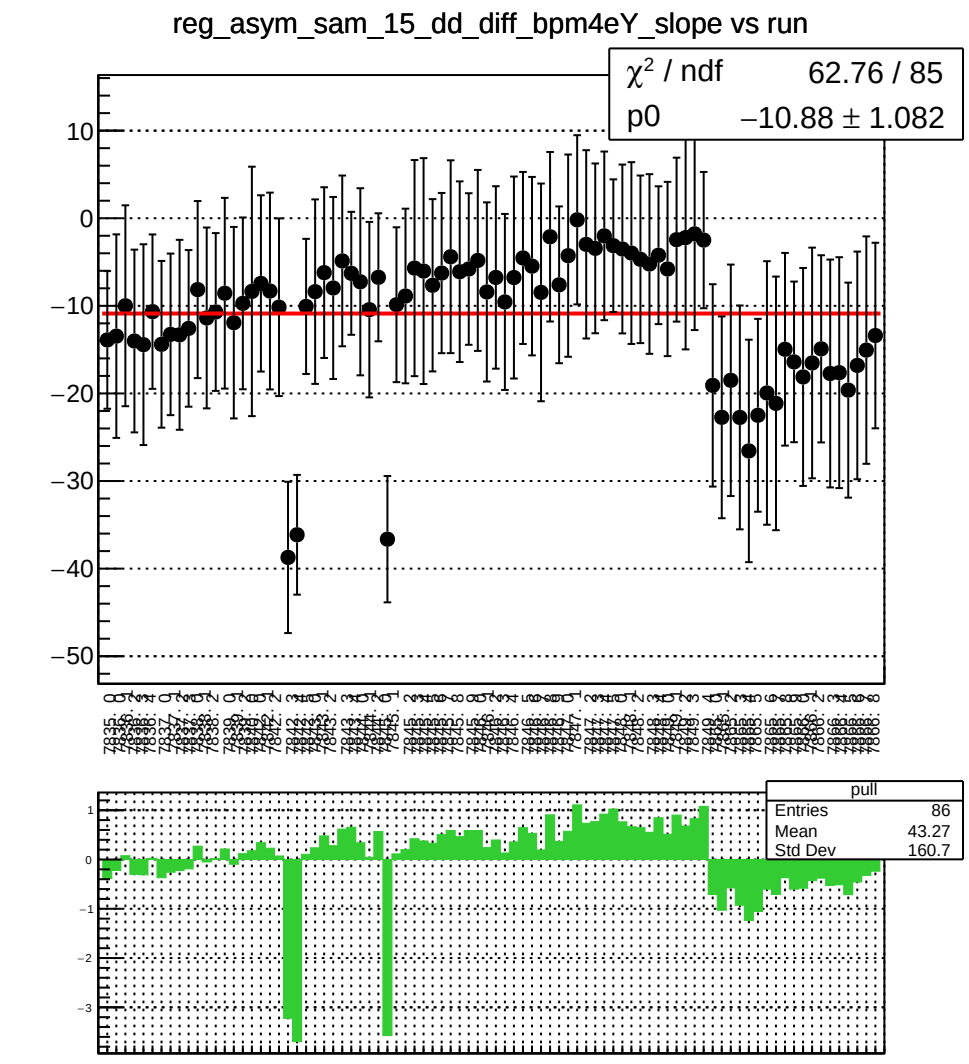

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 330.3 / 85
p0 −0.3398 ± 0.01483
pull
Entries 86
Mean 279.2
Std Dev 226.7
pull1D
Entries 86
Mean −0.1454
Std Dev 1.954

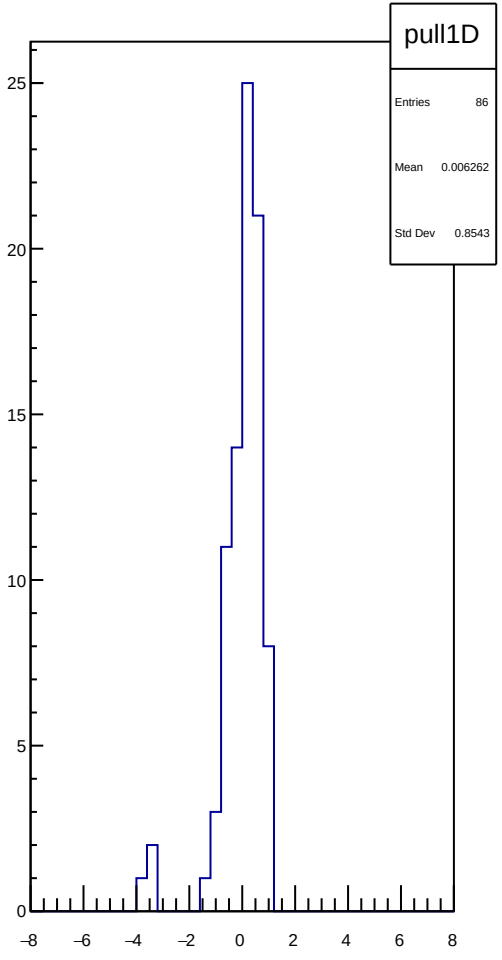

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 25.98 / 85
p0 −1.903 ± 0.8222
pull
Entries 86
Mean 730.9
Std Dev 676.6
pull1D
Entries 86
Mean 0.01111
Std Dev 0.5495

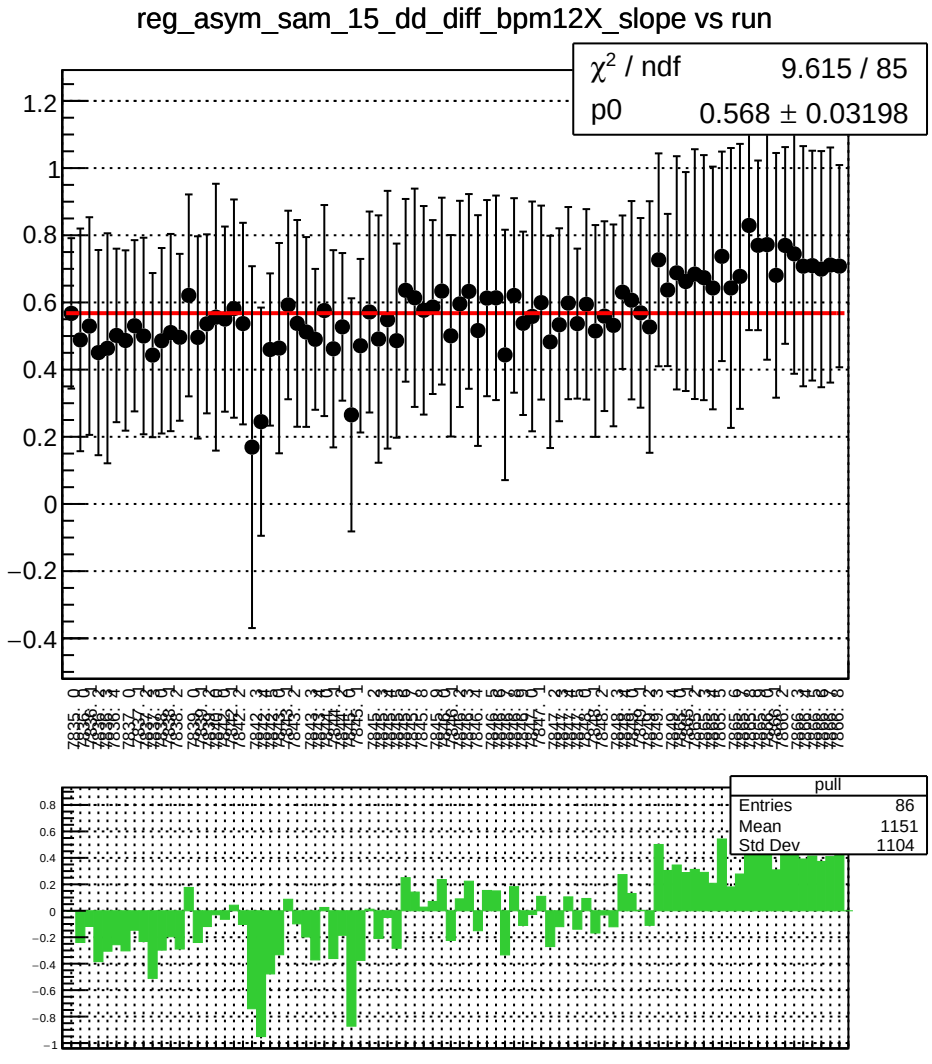

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 93.07 / 85
p0 −82.32 ± 0.9454
pull
Entries 86
Mean 63.63
Std Dev 48.8

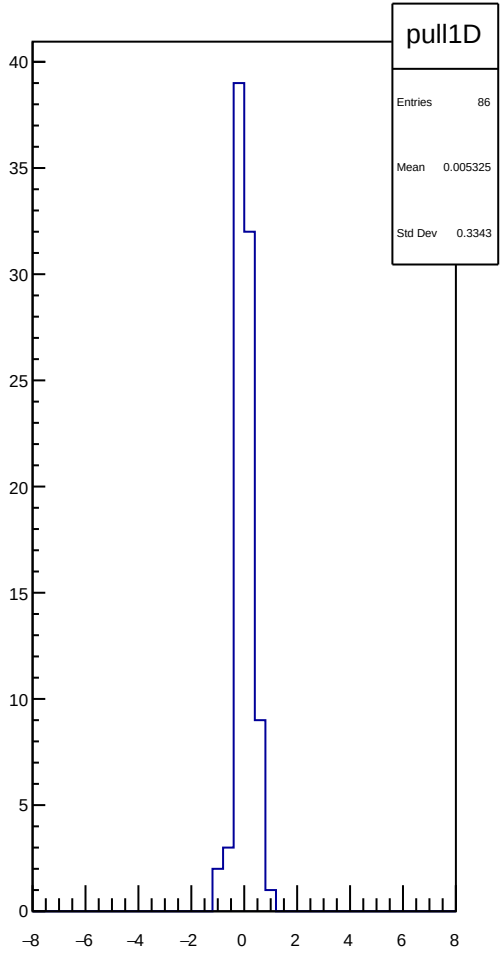

pull1D
Entries 86
Mean −0.06611
Std Dev 1.038

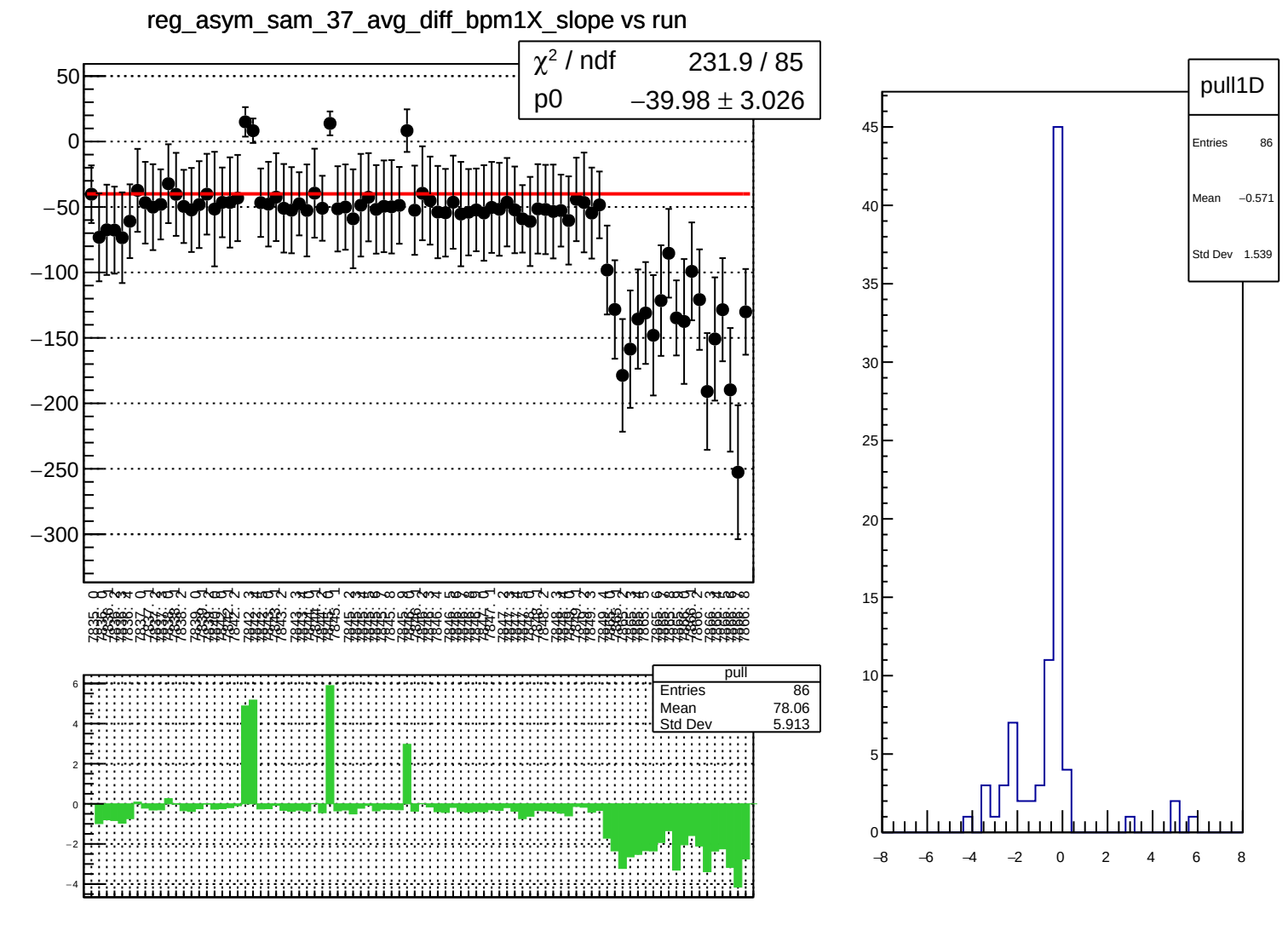

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.44 / 85
p0 −6.878 ± 0.7269
pull
Entries 86
Mean −506.2
Std Dev 559.8
pull1D
Entries 86
Mean 0.01373
Std Dev 0.5647

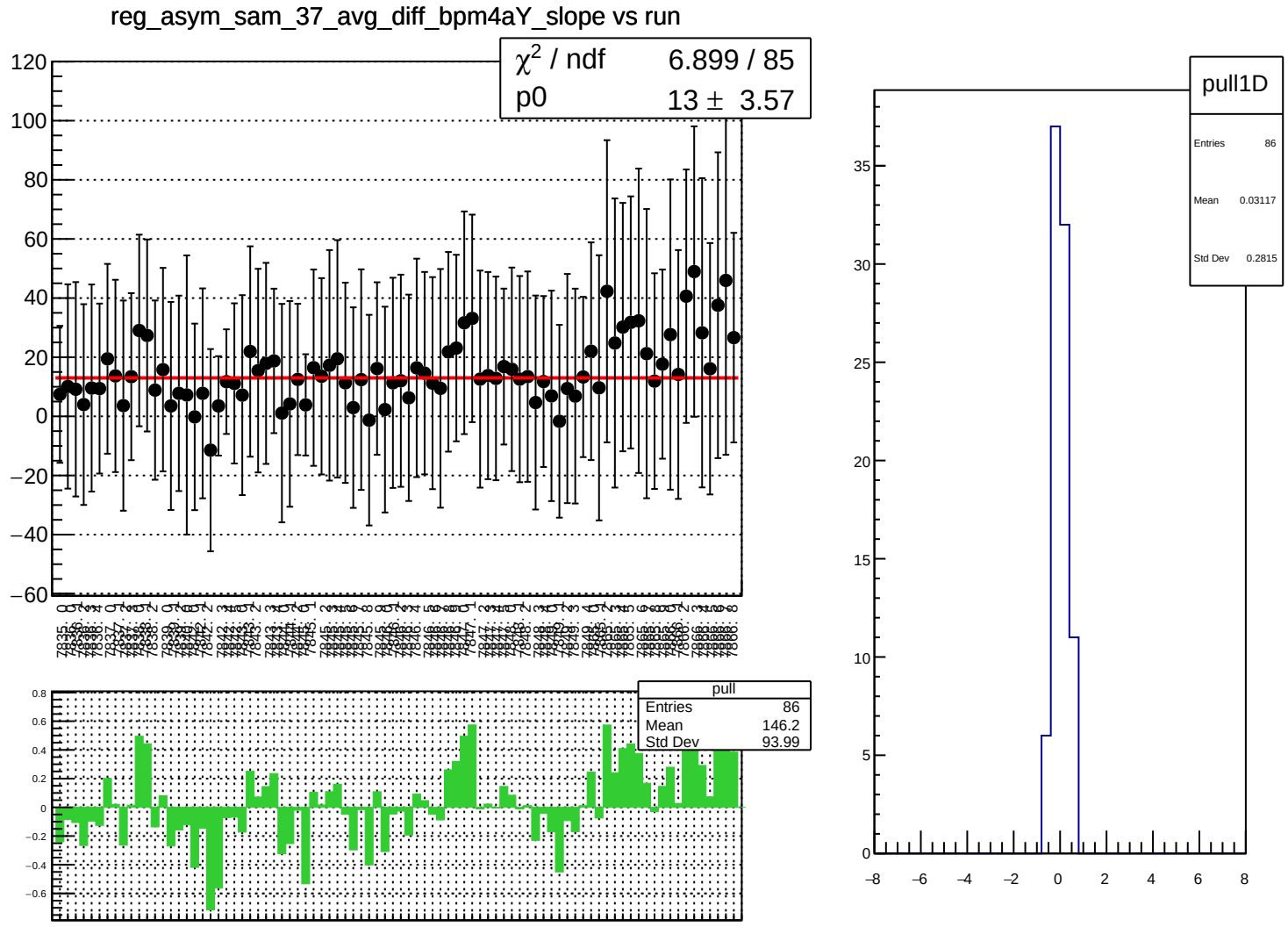

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 62.76 / 85
p0 −10.88 ± 1.082
pull
Entries 86
Mean 43.27
Std Dev 160.7

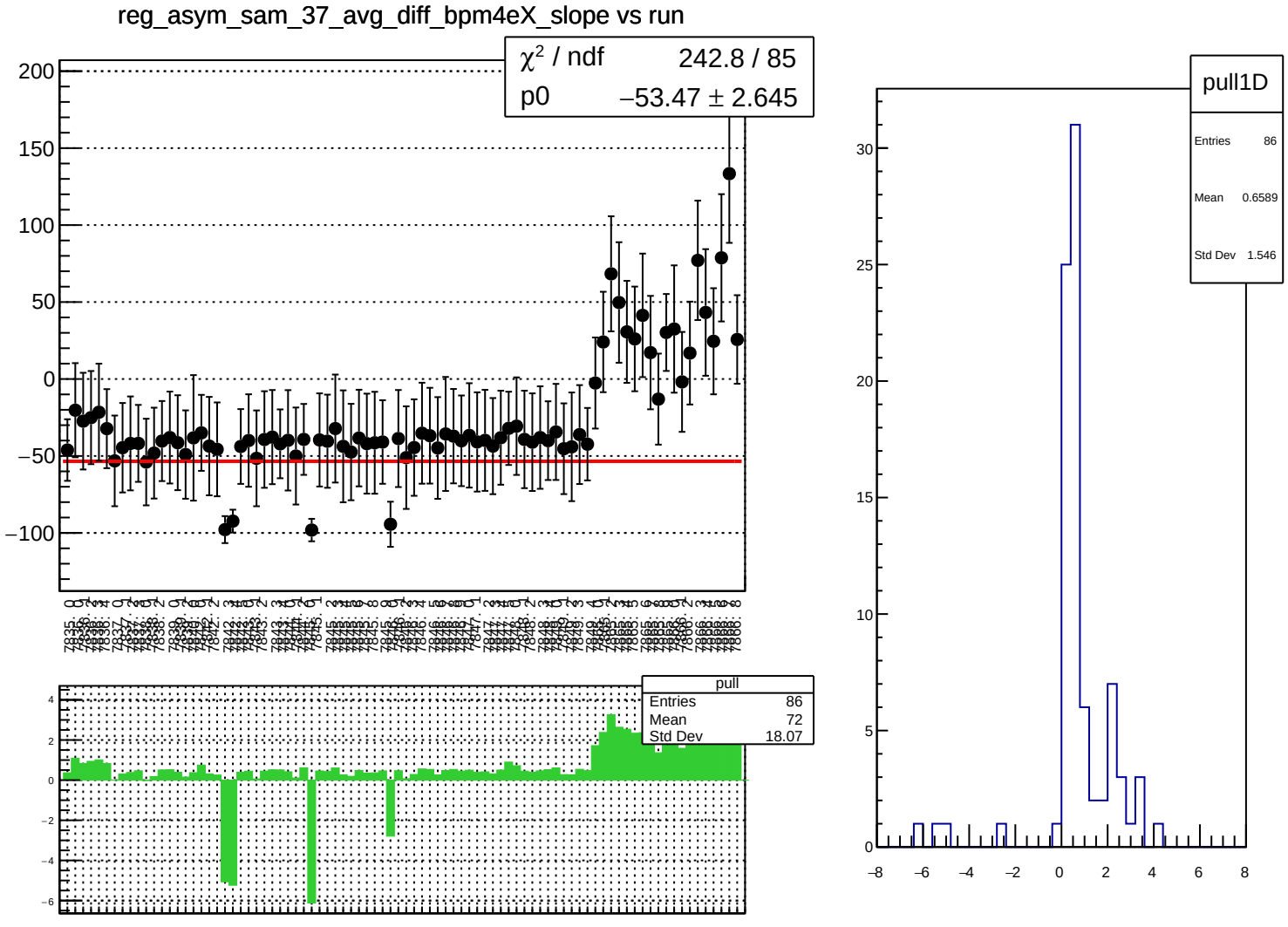

pull1D
Entries 86
Mean 0.006262
Std Dev 0.8543

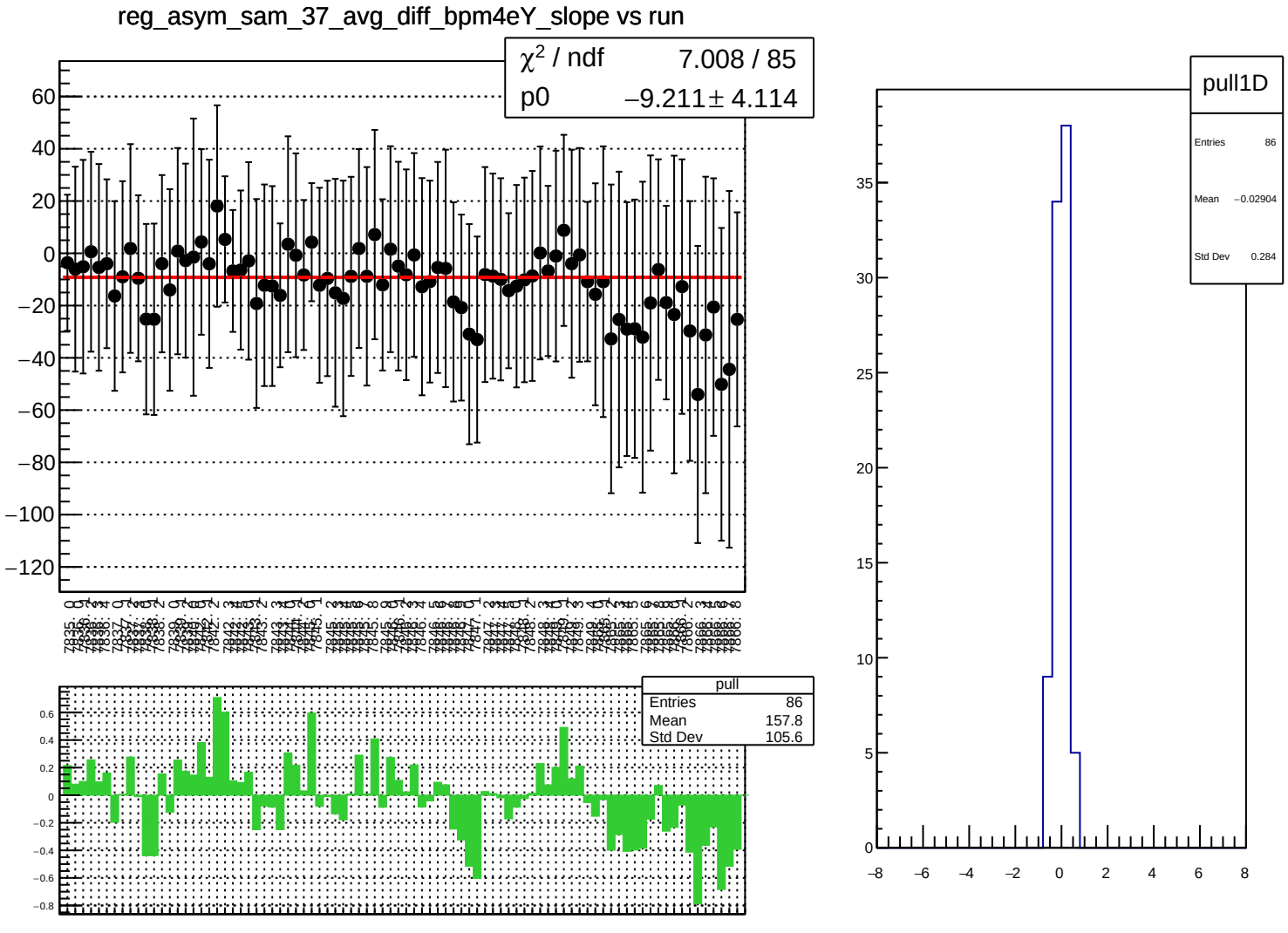

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 9.615 / 85
p0 0.568 ± 0.03198
pull
Entries 86
Mean 1151
Std Dev 1104

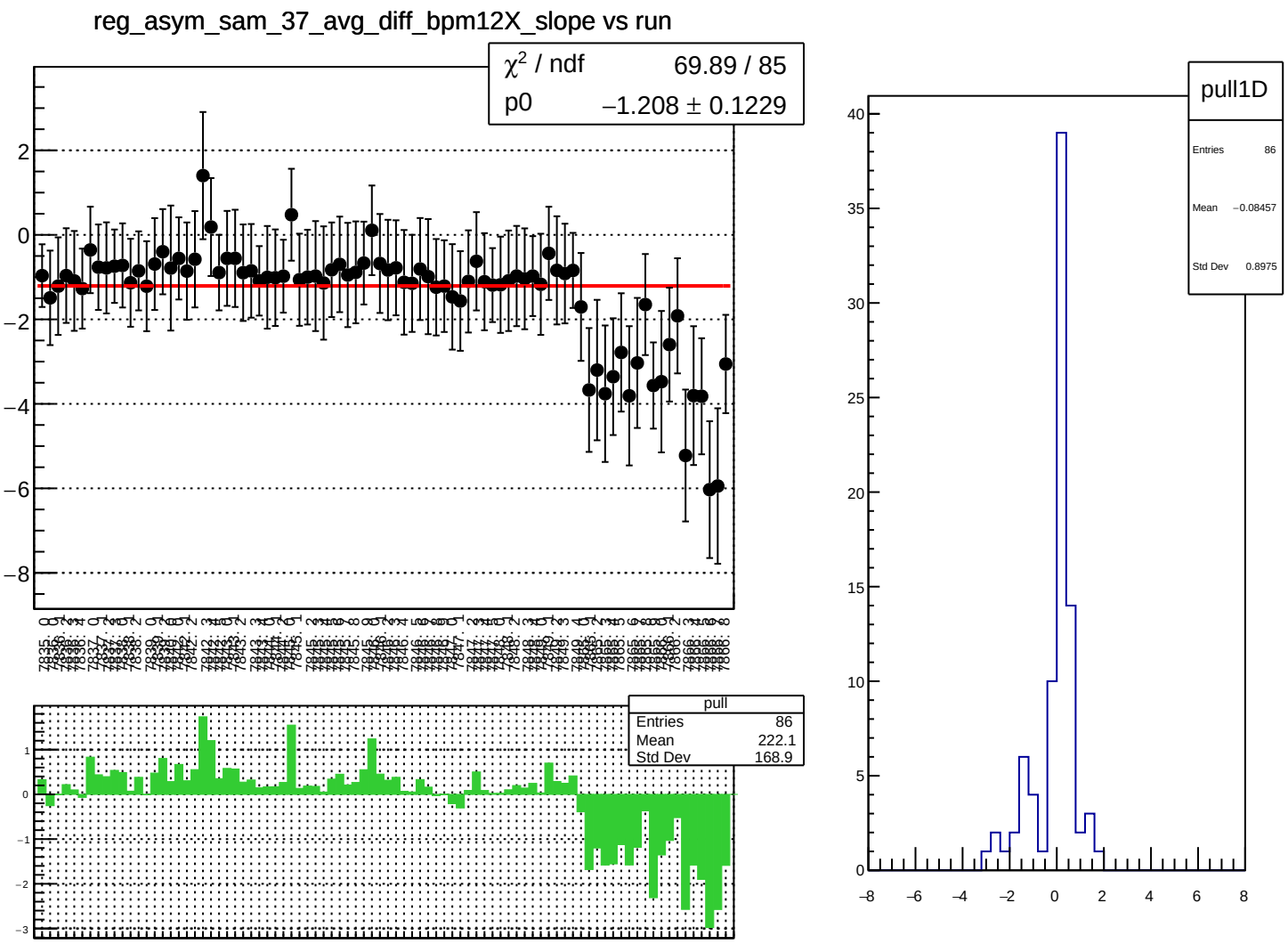

pull1D
Entries 86
Mean 0.005325
Std Dev 0.3343

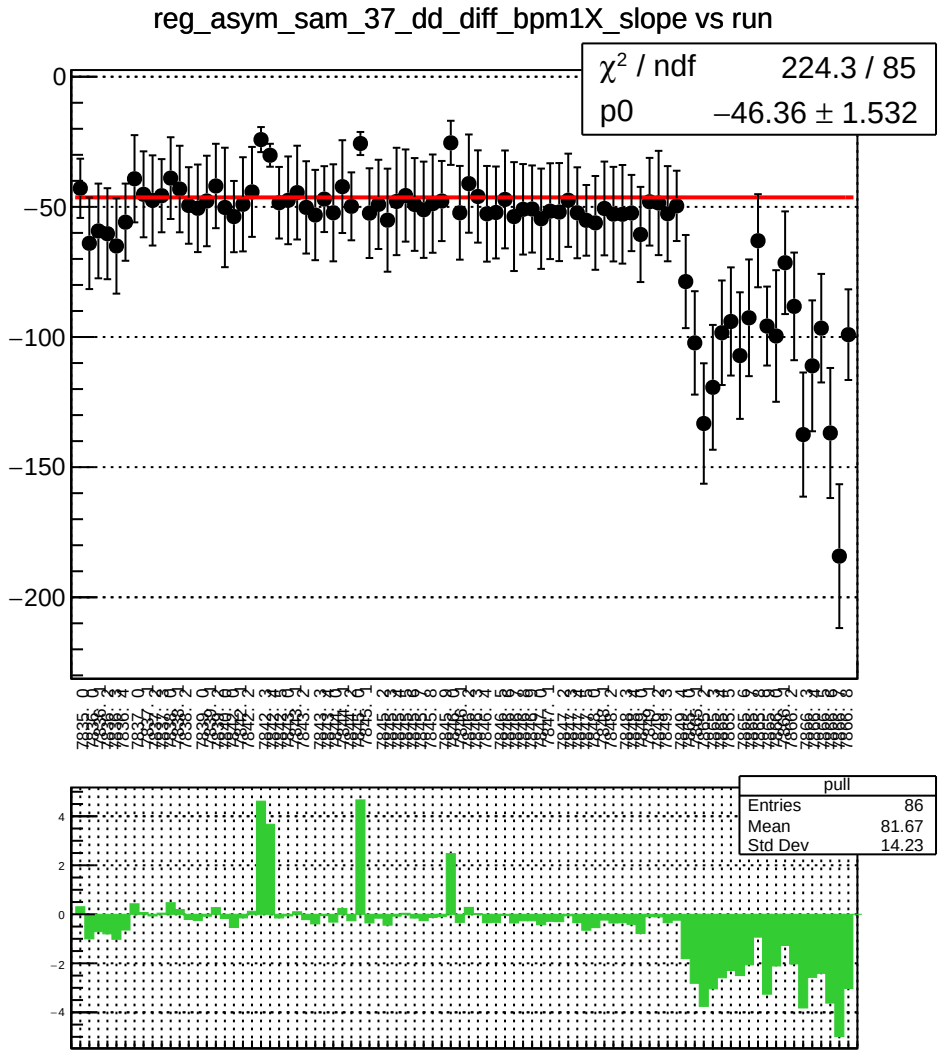

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 231.9 / 85
p0 −39.98 ± 3.026
pull
Entries 86
Mean 78.06
Std Dev 5.913
pull1D
Entries 86
Mean −0.571
Std Dev 1.539

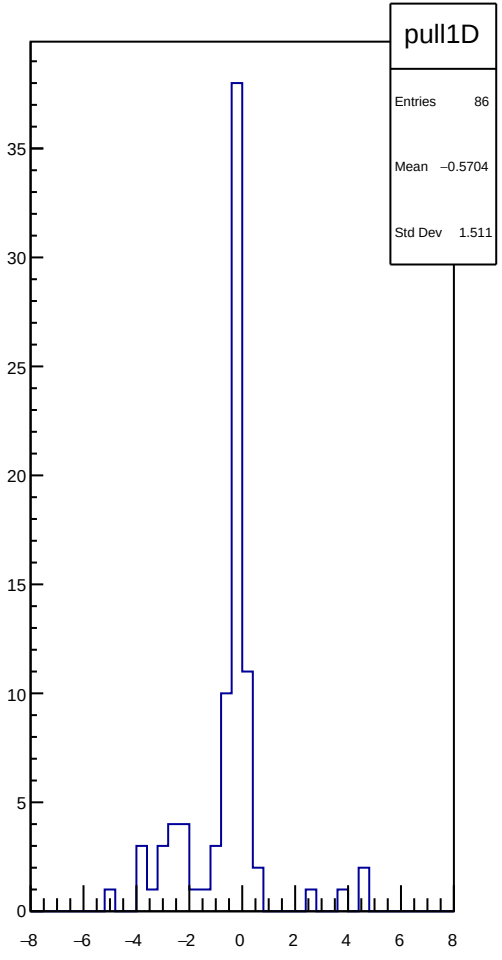

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.899 / 85
p0 13 ± 3.57
pull
Entries 86
Mean 146.2
Std Dev 93.99
pull1D
Entries 86
Mean 0.03117
Std Dev 0.2815

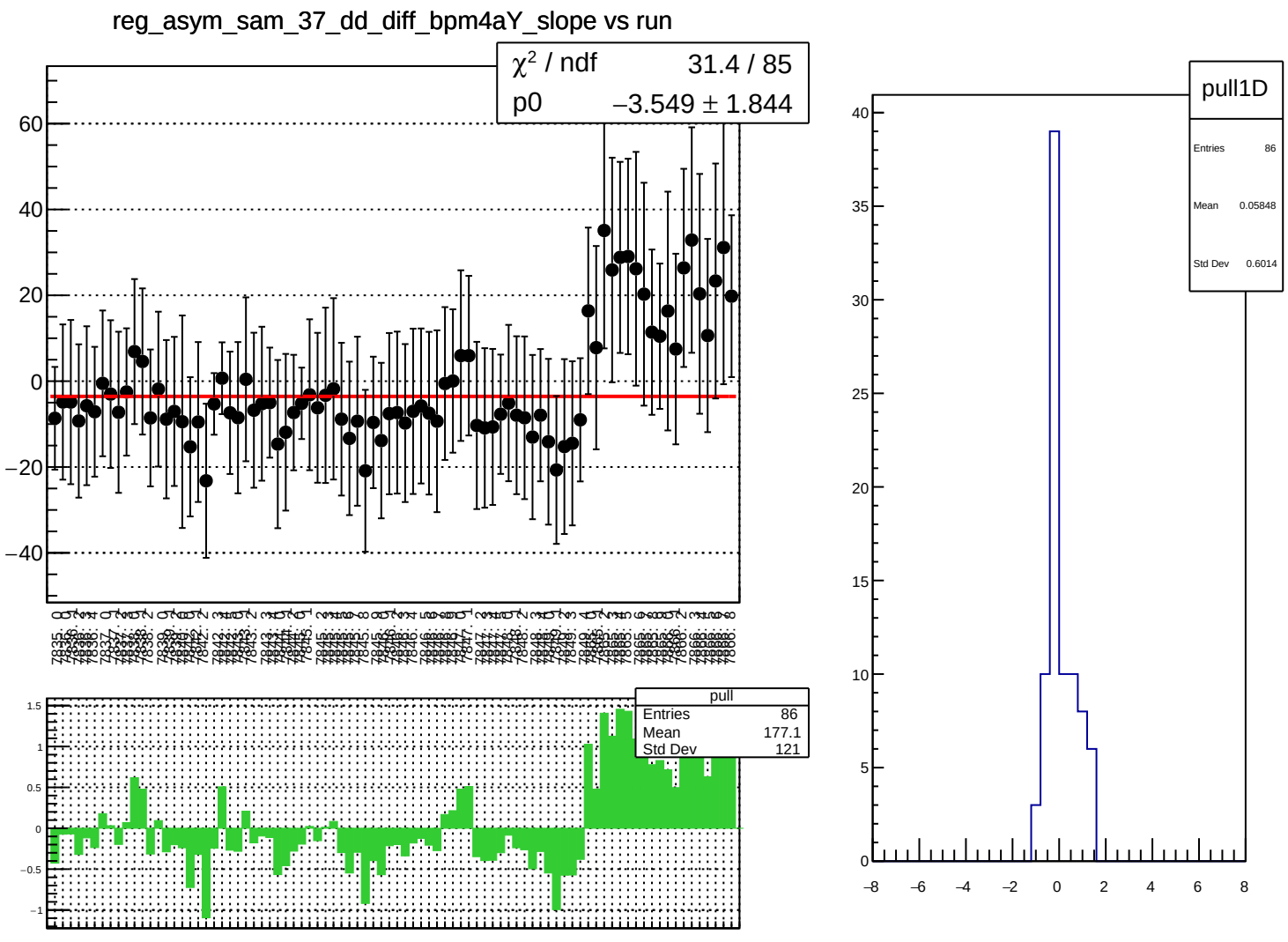

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 242.8 / 85
p0 −53.47 ± 2.645
pull
Entries 86
Mean 72
Std Dev 18.07
pull1D
Entries 86
Mean 0.6589
Std Dev 1.546

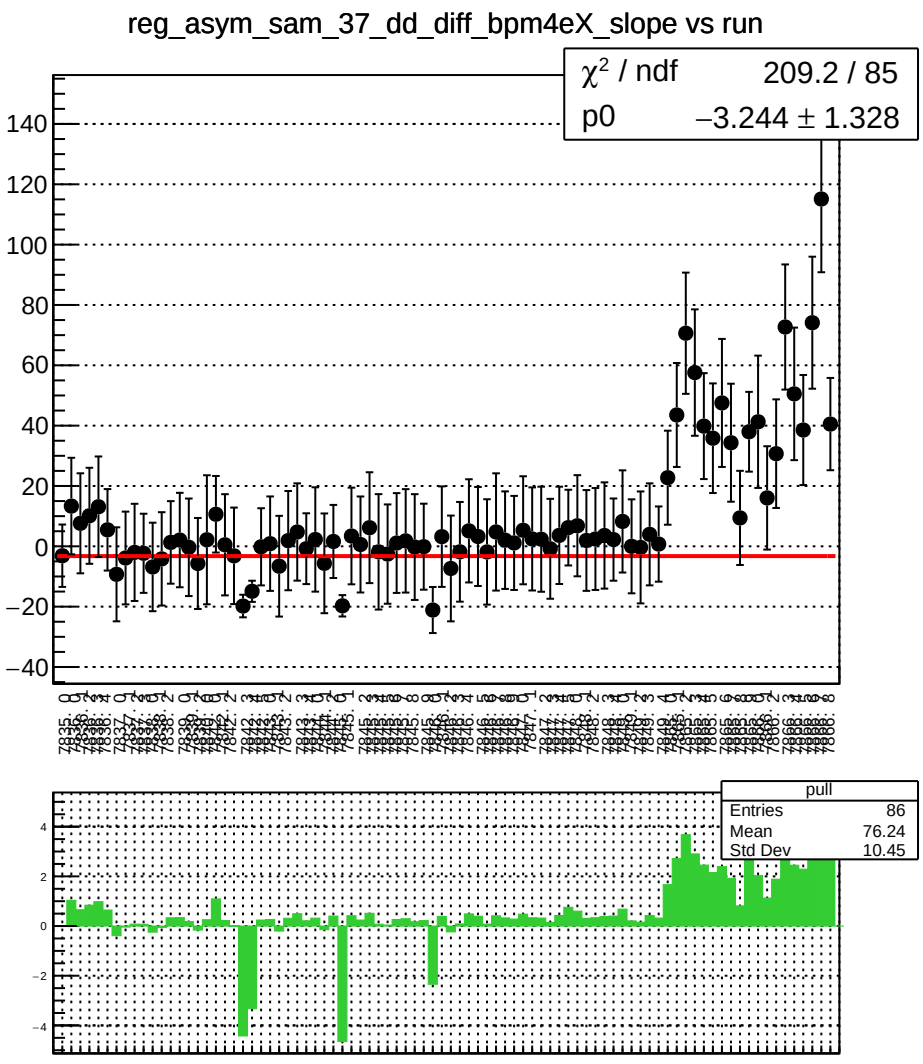

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.008 / 85
p0 −9.211 ± 4.114
pull
Entries 86
Mean 157.8
Std Dev 105.6
pull1D
Entries 86
Mean −0.02904
Std Dev 0.284

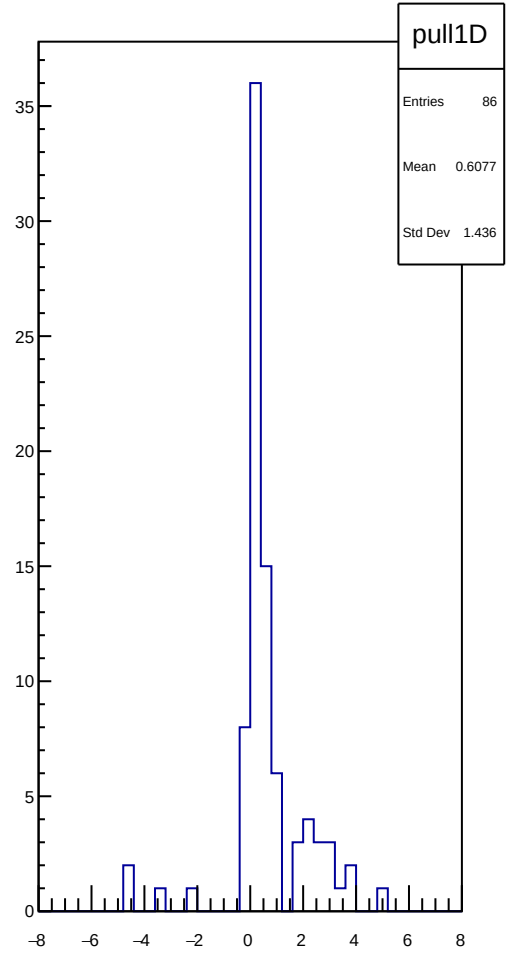

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 69.89 / 85
p0 −1.208 ± 0.1229
pull
Entries 86
Mean 222.1
Std Dev 168.9
pull1D
Entries 86
Mean −0.08457
Std Dev 0.8975

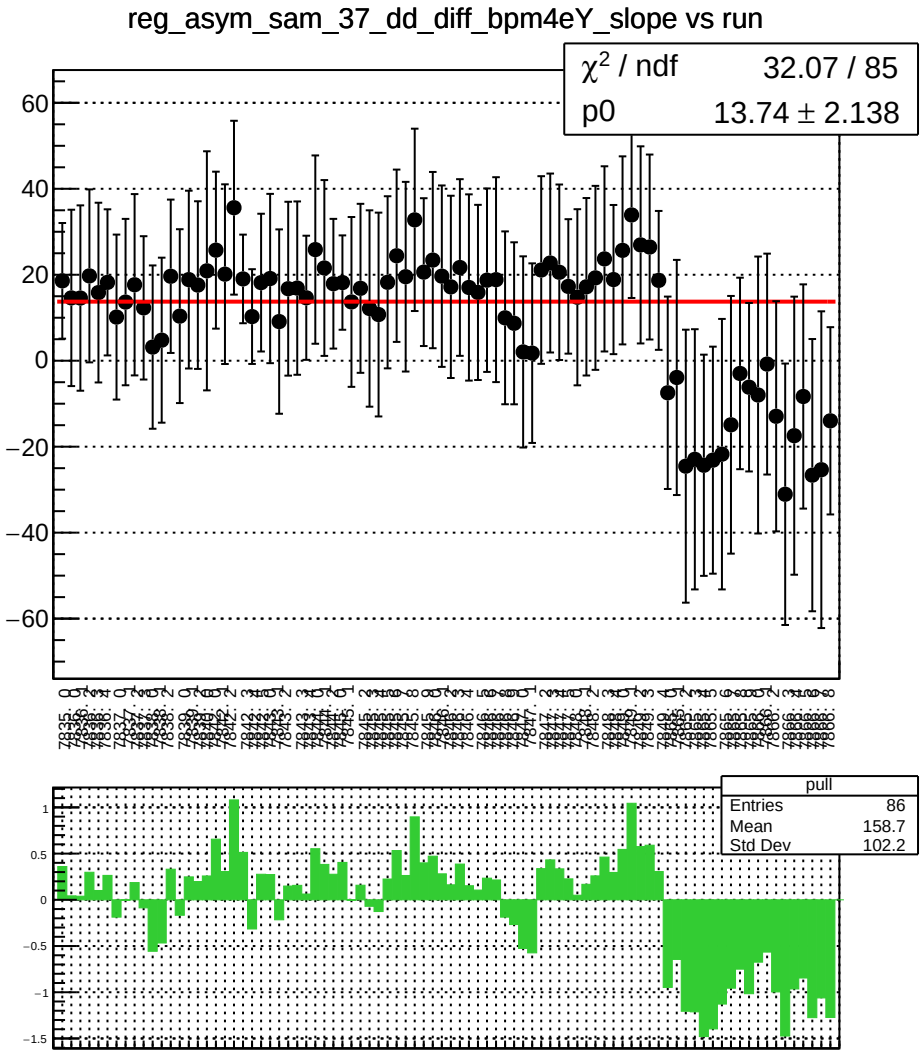

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 224.3 / 85
p0 −46.36 ± 1.532
pull
Entries 86
Mean 81.67
Std Dev 14.23

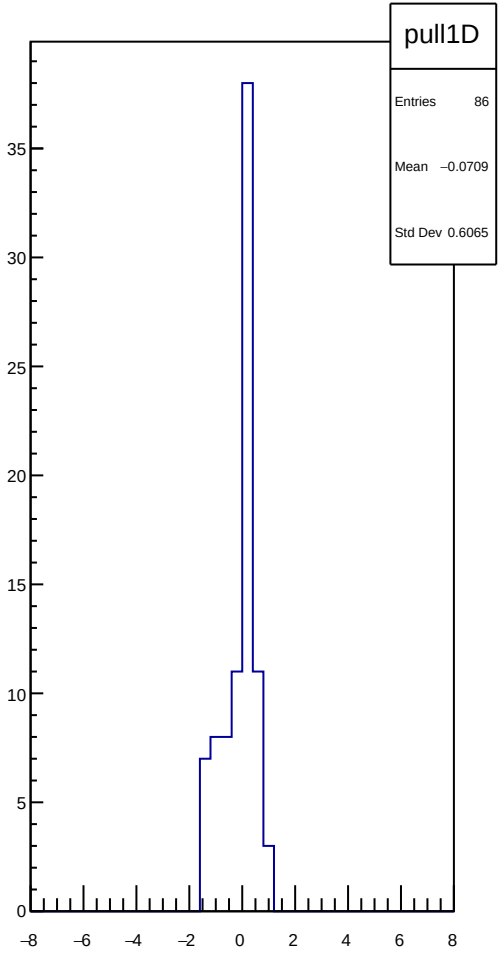

pull1D
Entries 86
Mean −0.5704
Std Dev 1.511

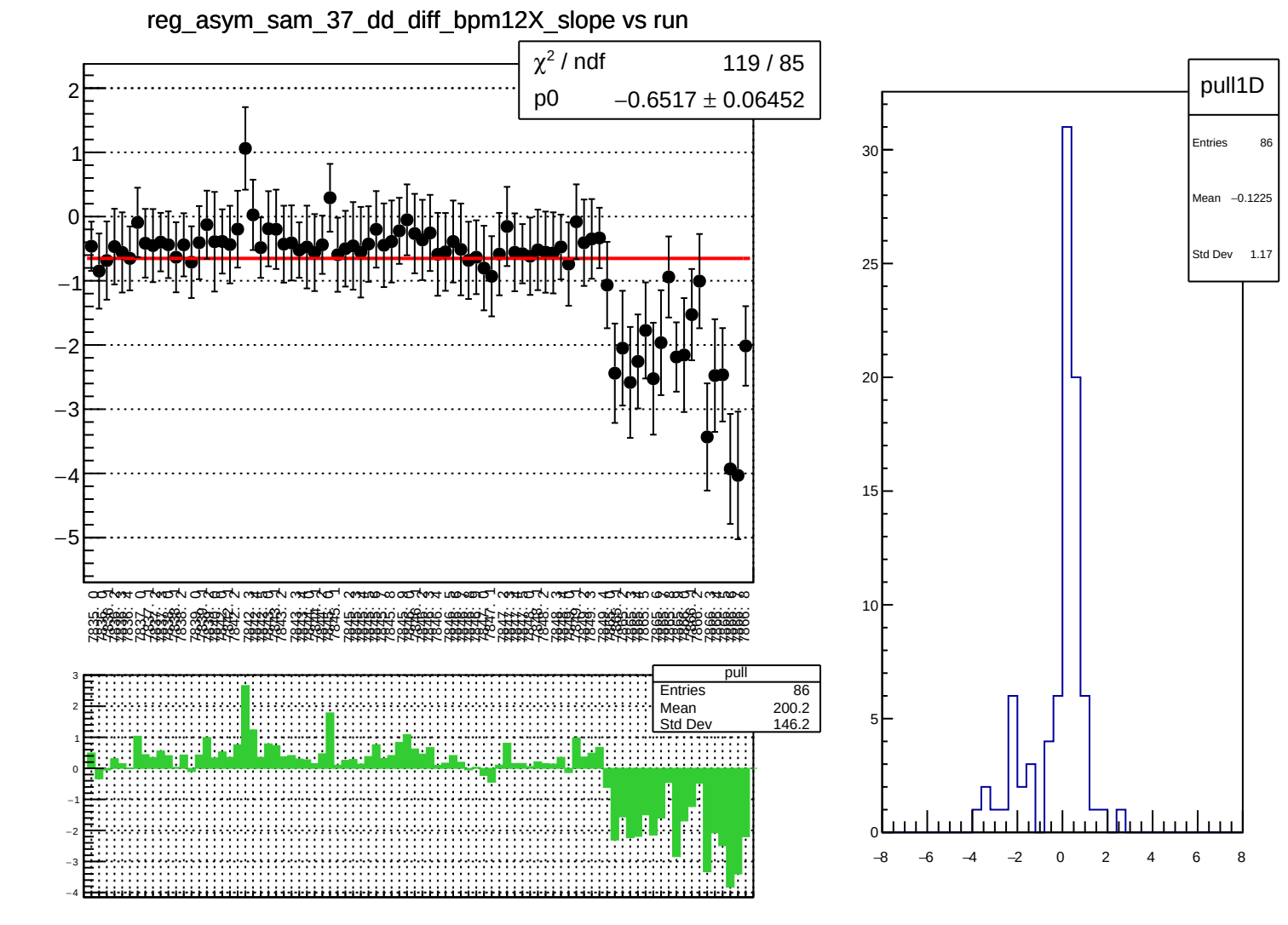

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.4 / 85
p0 −3.549 ± 1.844
pull
Entries 86
Mean 177.1
Std Dev 121
pull1D
Entries 86
Mean 0.05848
Std Dev 0.6014

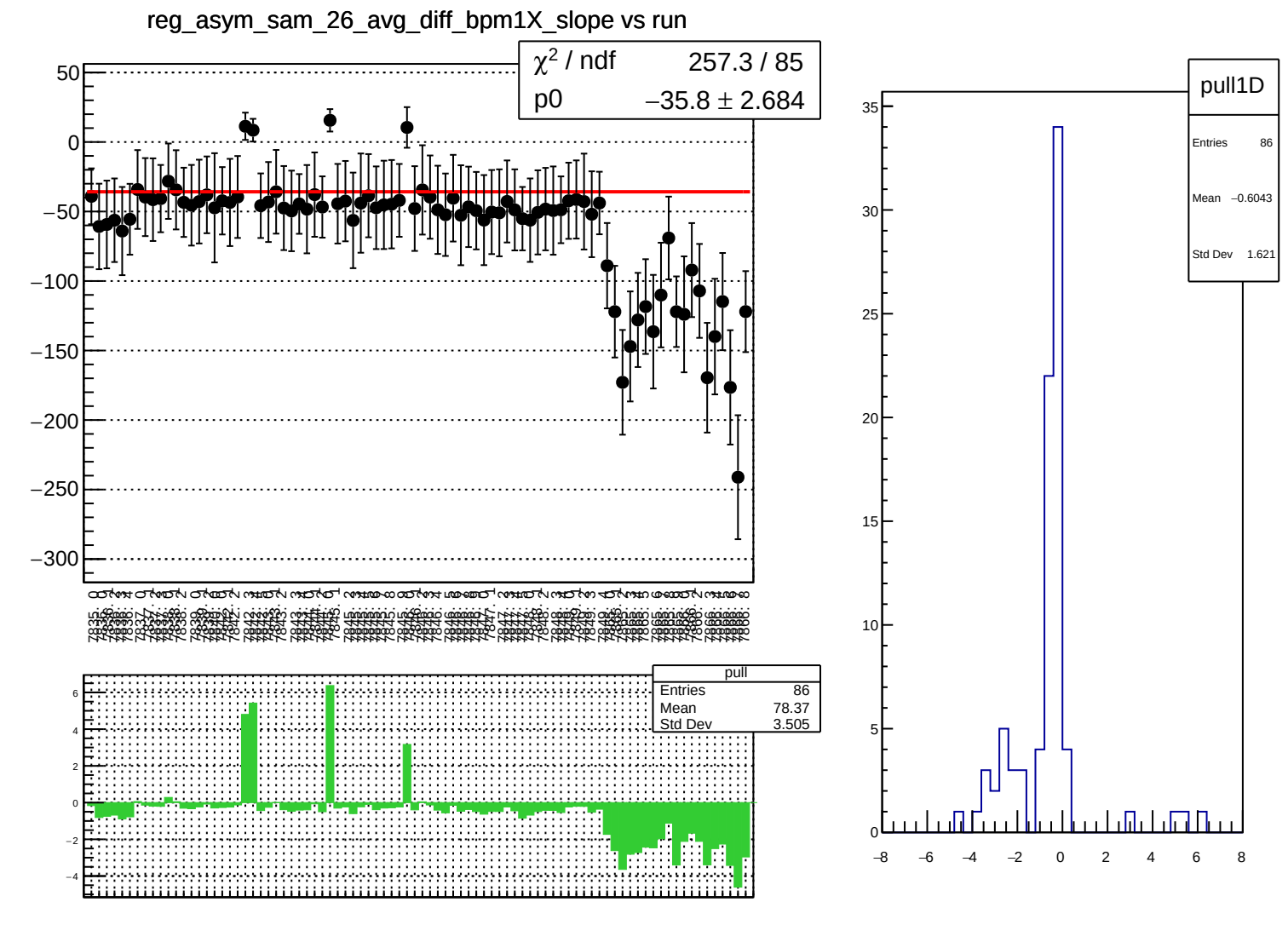

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 209.2 / 85
p0 −3.244 ± 1.328
pull
Entries 86
Mean 76.24
Std Dev 10.45

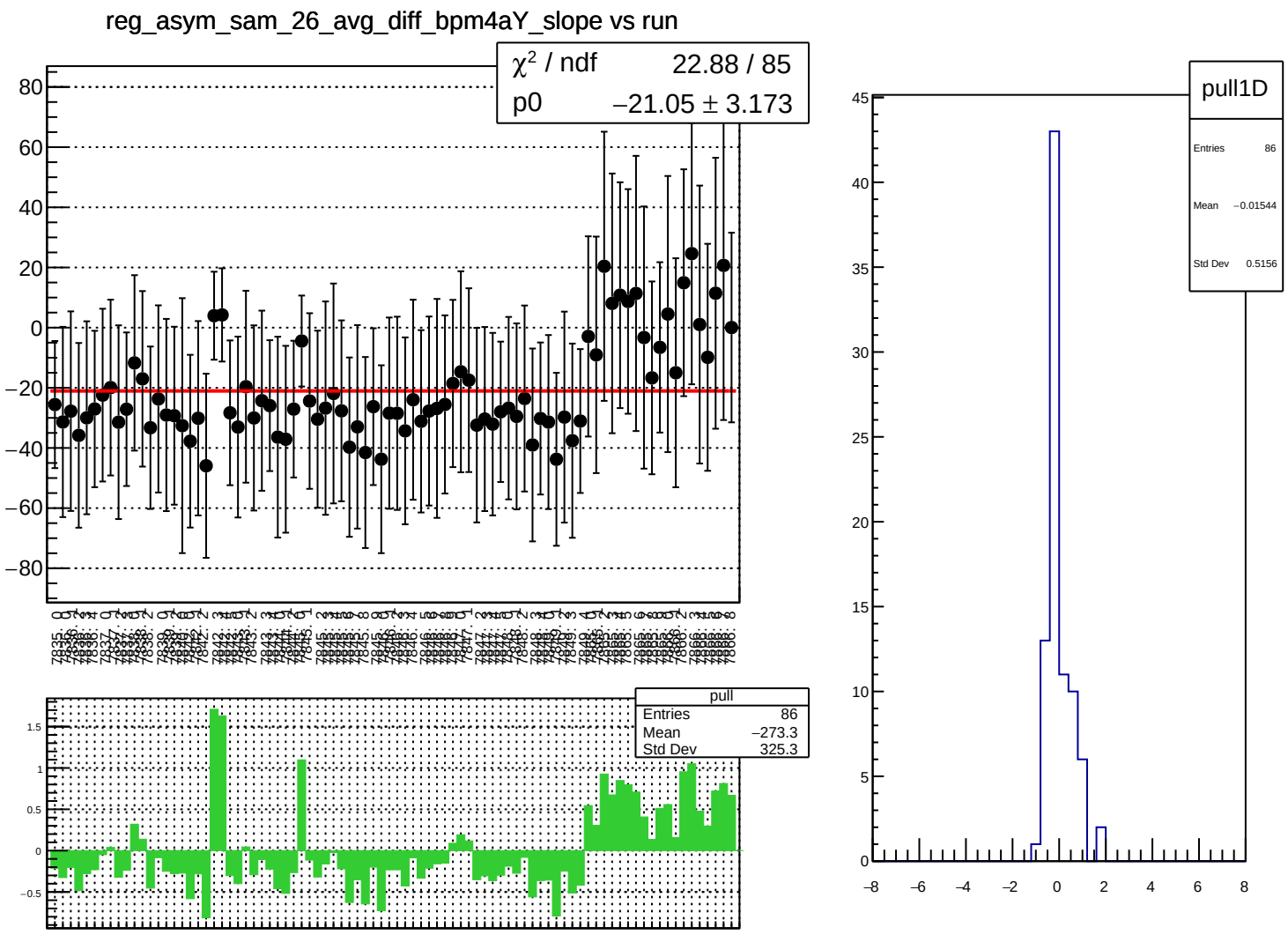

pull1D
Entries 86
Mean 0.6077
Std Dev 1.436

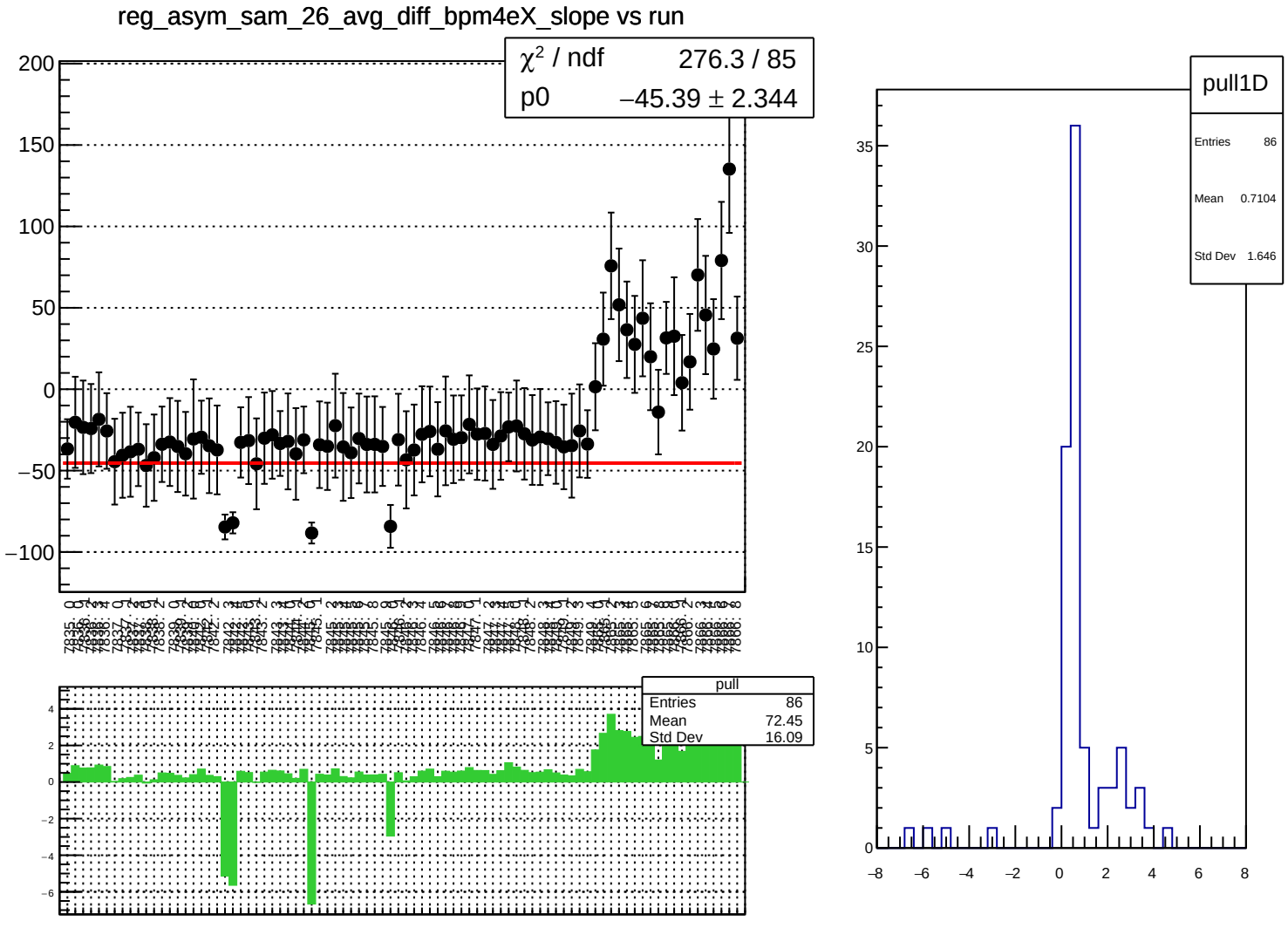

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 32.07 / 85
p0 13.74 ± 2.138
pull
Entries 86
Mean 158.7
Std Dev 102.2

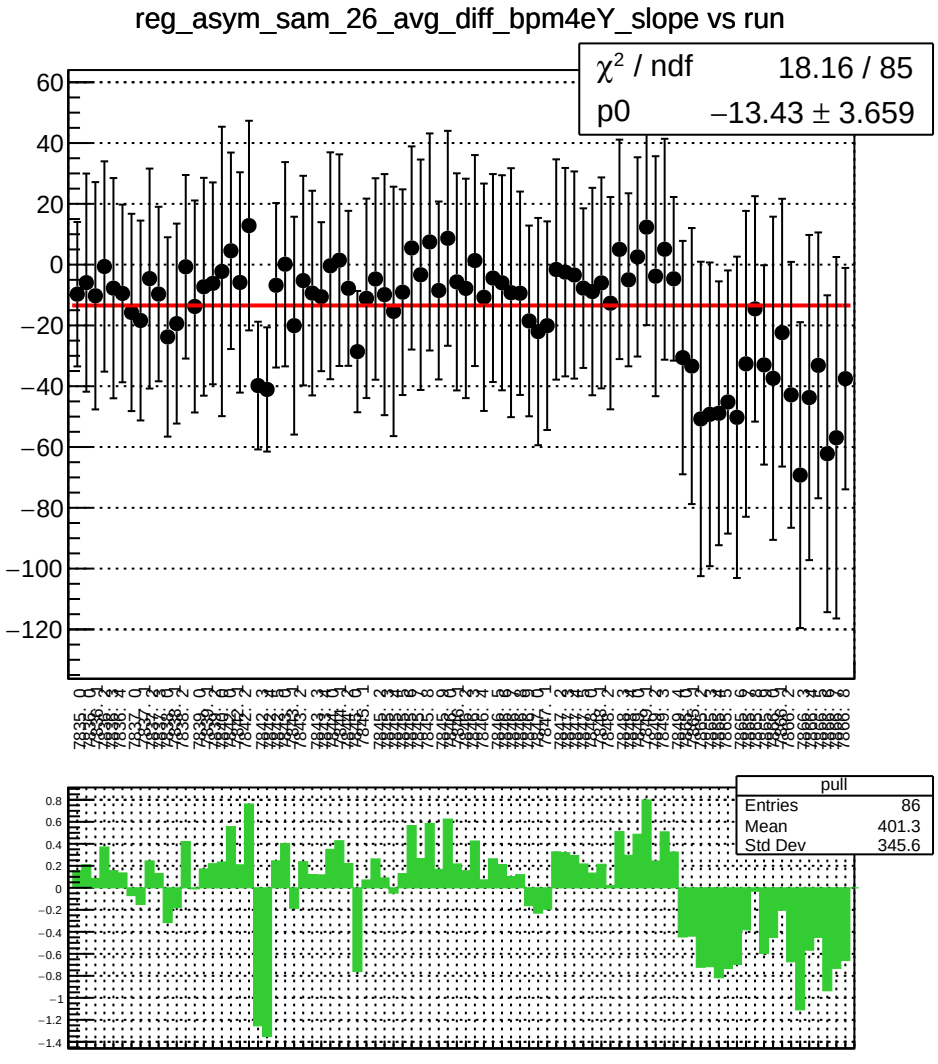

pull1D
Entries 86
Mean −0.0709
Std Dev 0.6065

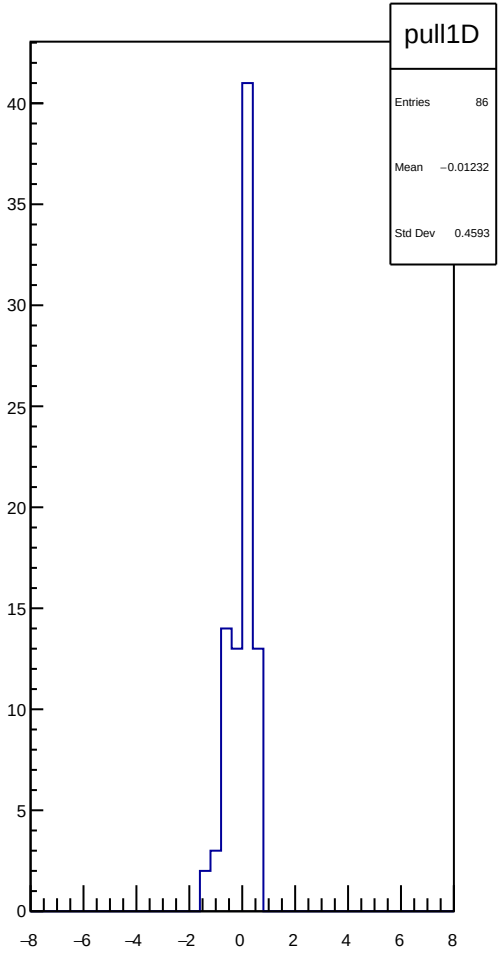

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 119 / 85
p0 −0.6517 ± 0.06452
pull
Entries 86
Mean 200.2
Std Dev 146.2
pull1D
Entries 86
Mean −0.1225
Std Dev 1.17

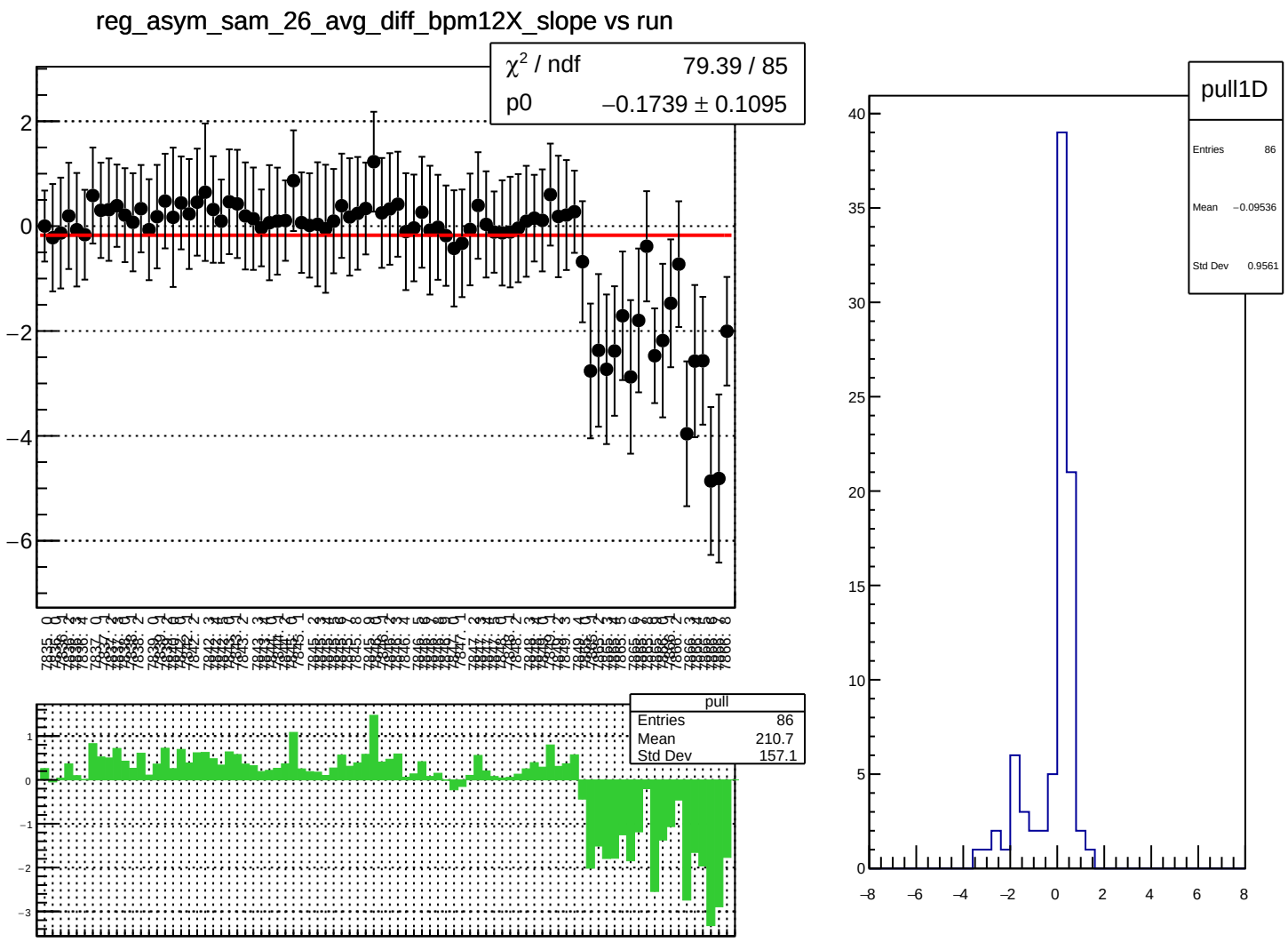

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 257.3 / 85
p0 −35.8 ± 2.684
pull
Entries 86
Mean 78.37
Std Dev 3.505
pull1D
Entries 86
Mean −0.6043
Std Dev 1.621

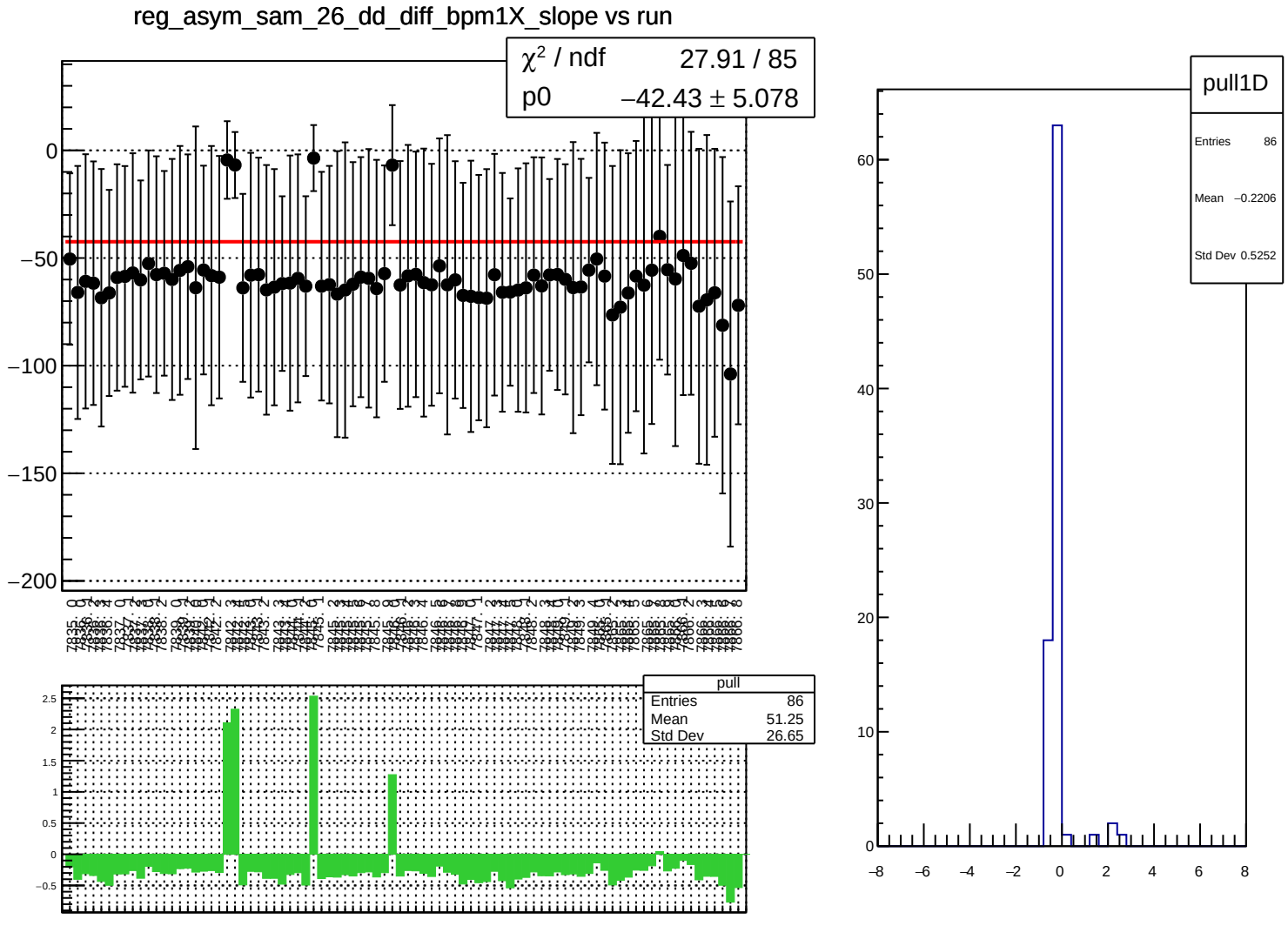

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.88 / 85
p0 −21.05 ± 3.173
pull
Entries 86
Mean −273.3
Std Dev 325.3
pull1D
Entries 86
Mean −0.01544
Std Dev 0.5156

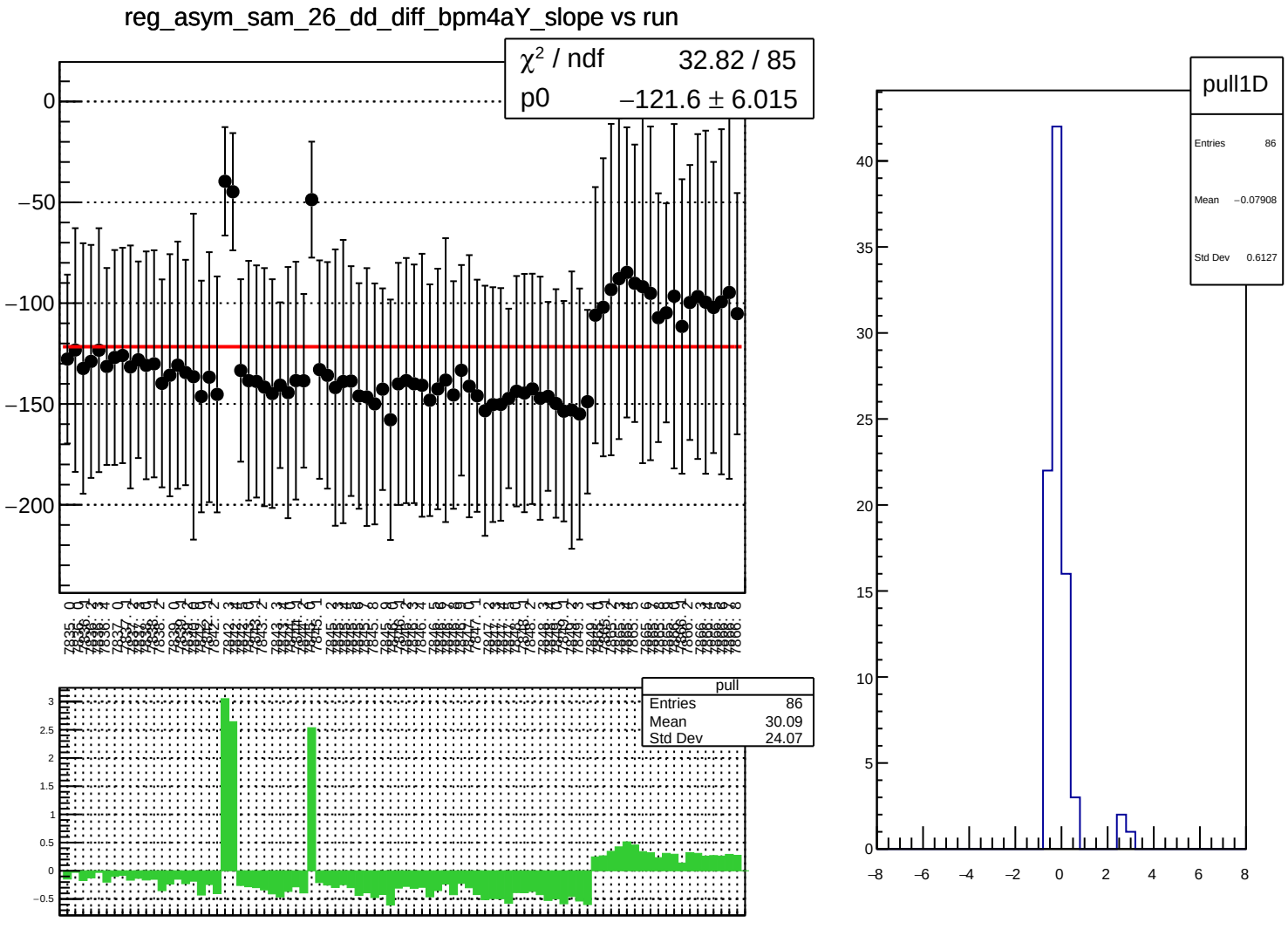

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 276.3 / 85
p0 −45.39 ± 2.344
pull
Entries 86
Mean 72.45
Std Dev 16.09
pull1D
Entries 86
Mean 0.7104
Std Dev 1.646

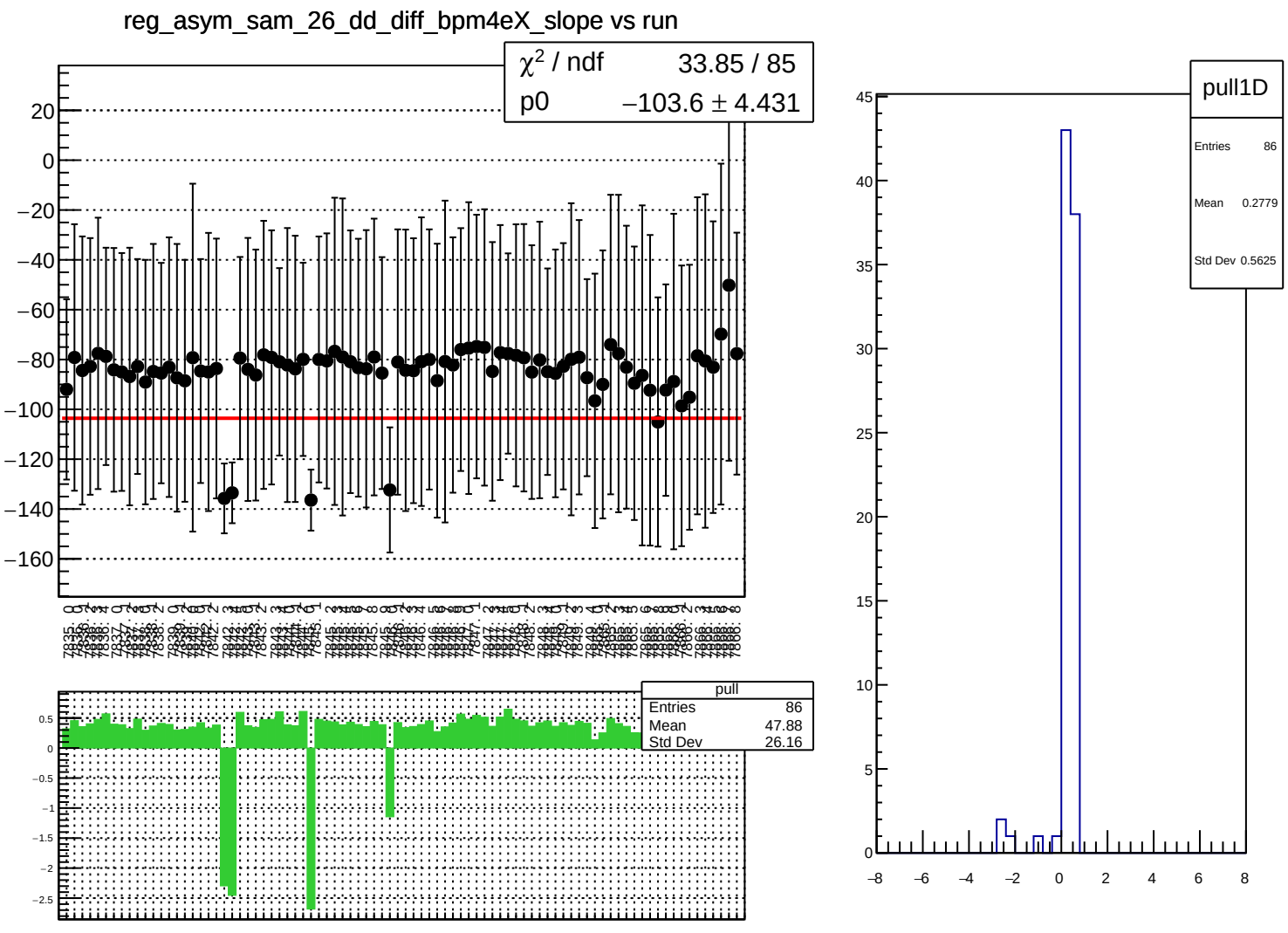

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.16 / 85
p0 −13.43 ± 3.659
pull
Entries 86
Mean 401.3
Std Dev 345.6

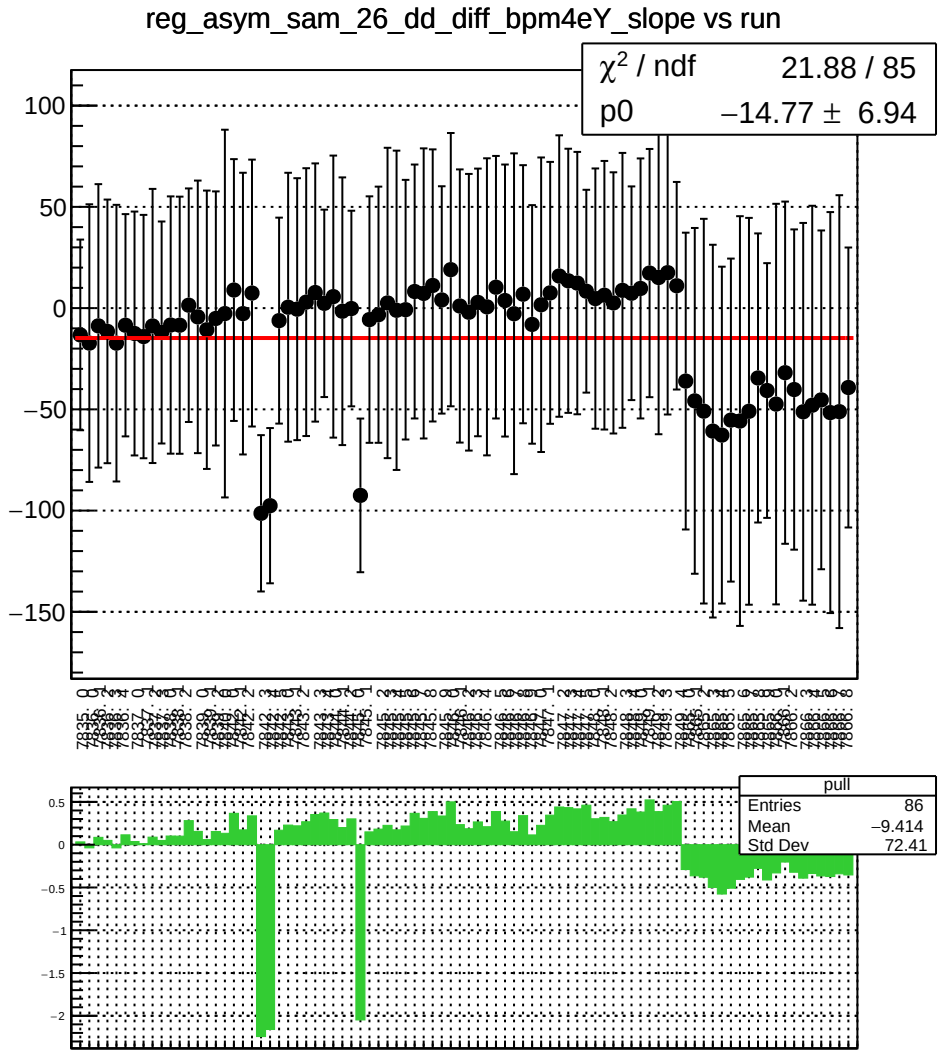

pull1D
Entries 86
Mean −0.01232
Std Dev 0.4593

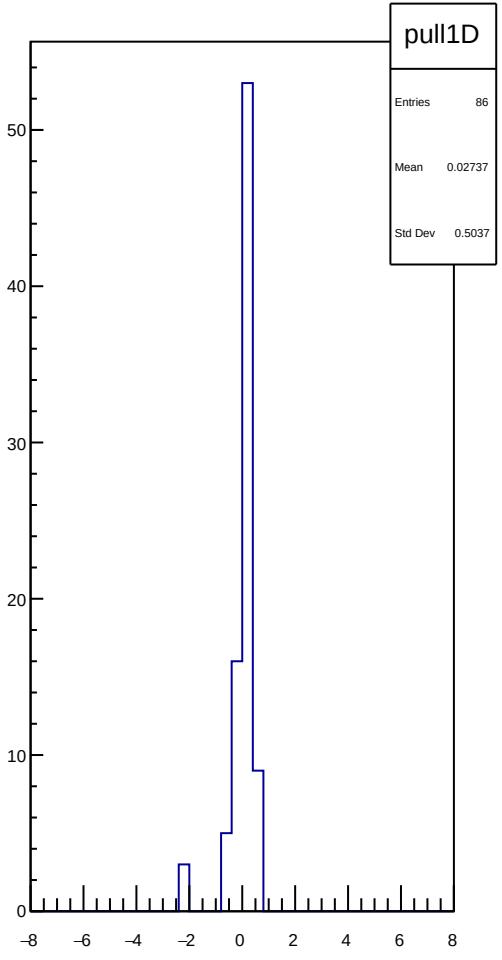

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 79.39 / 85
p0 −0.1739 ± 0.1095
pull
Entries 86
Mean 210.7
Std Dev 157.1
pull1D
Entries 86
Mean −0.09536
Std Dev 0.9561

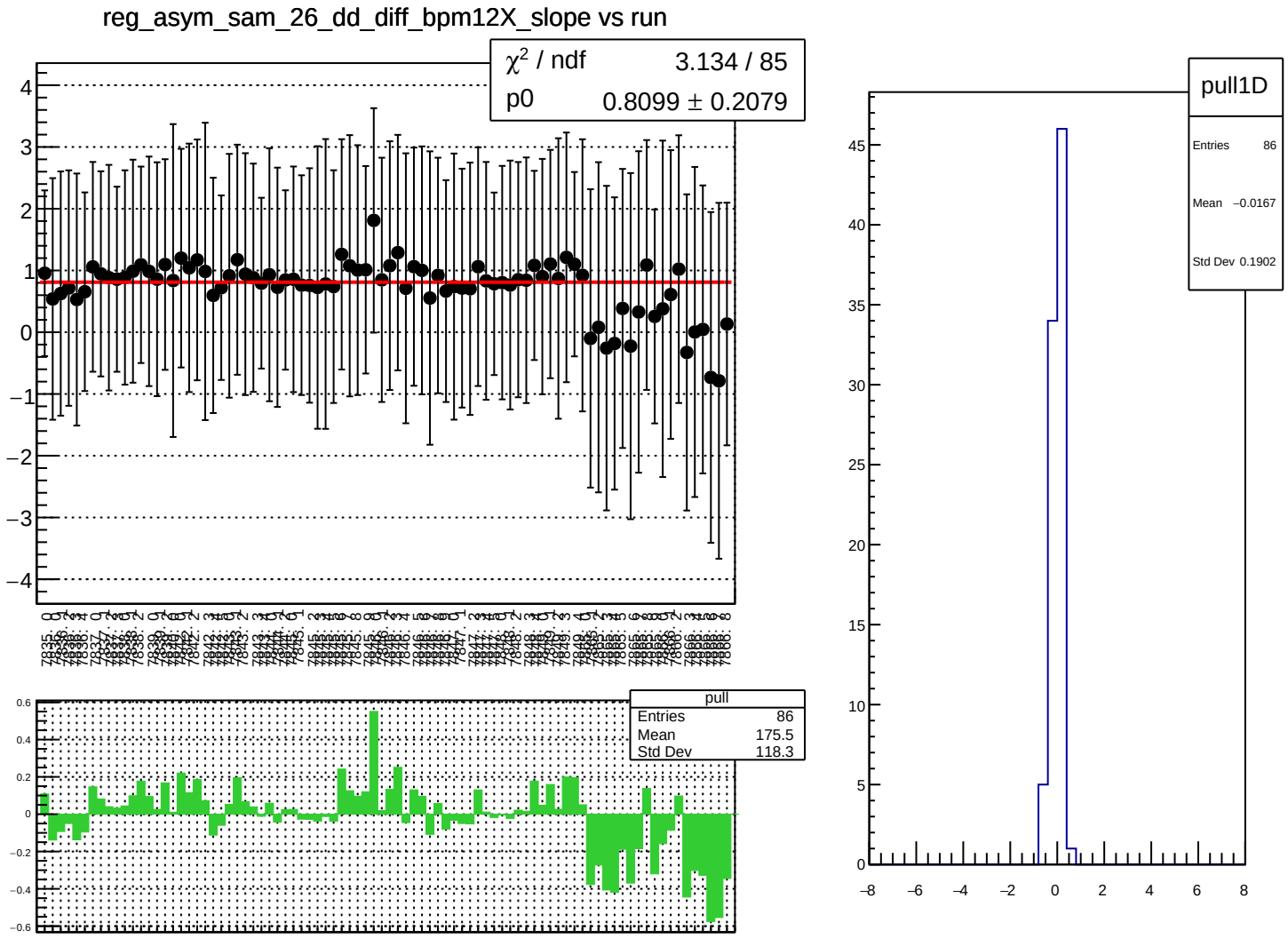

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 27.91 / 85
p0 −42.43 ± 5.078
pull
Entries 86
Mean 51.25
Std Dev 26.65
pull1D
Entries 86
Mean −0.2206
Std Dev 0.5252

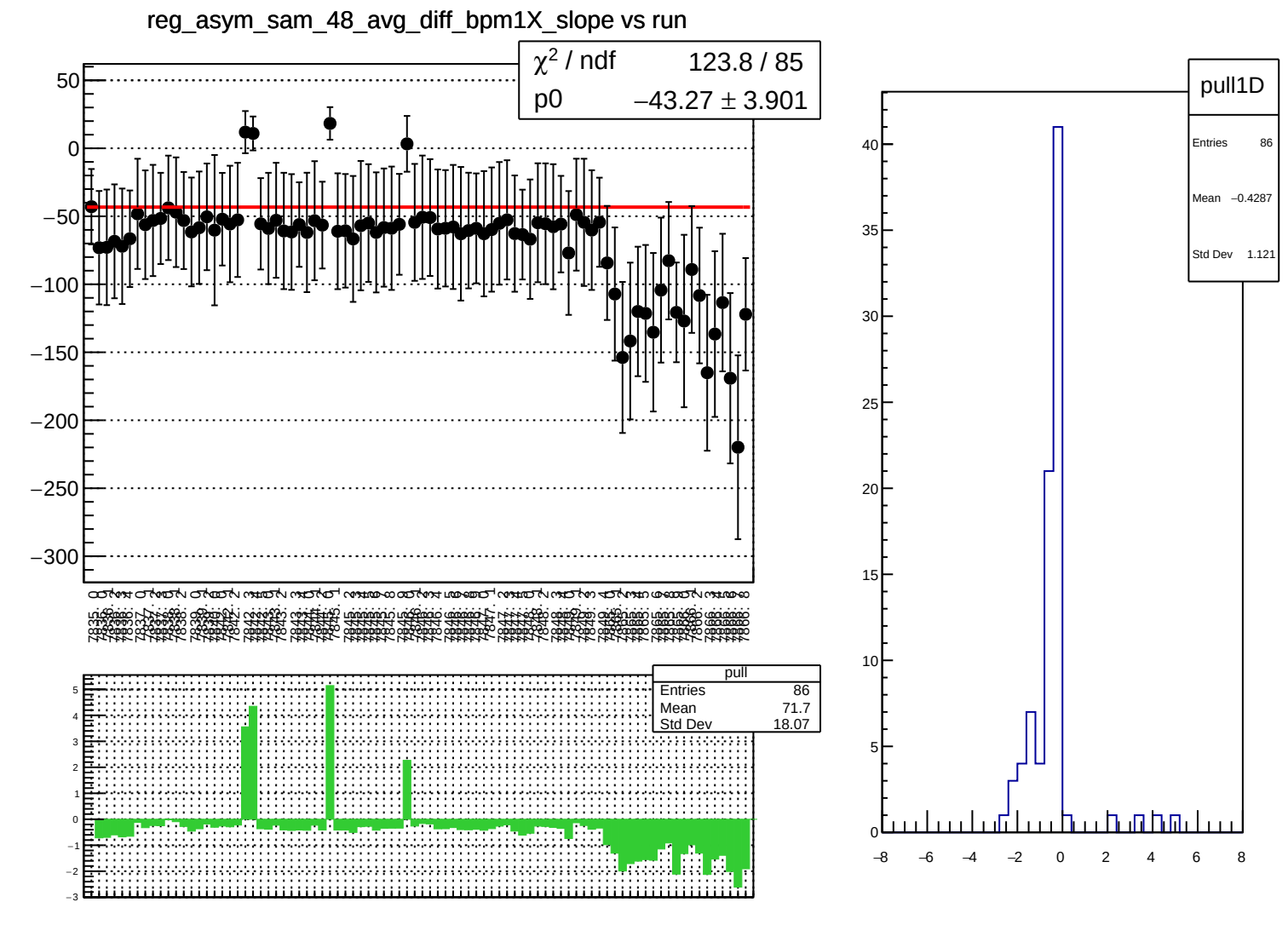

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.82 / 85
p0 −121.6 ± 6.015
pull
Entries 86
Mean 30.09
Std Dev 24.07
pull1D
Entries 86
Mean −0.07908
Std Dev 0.6127

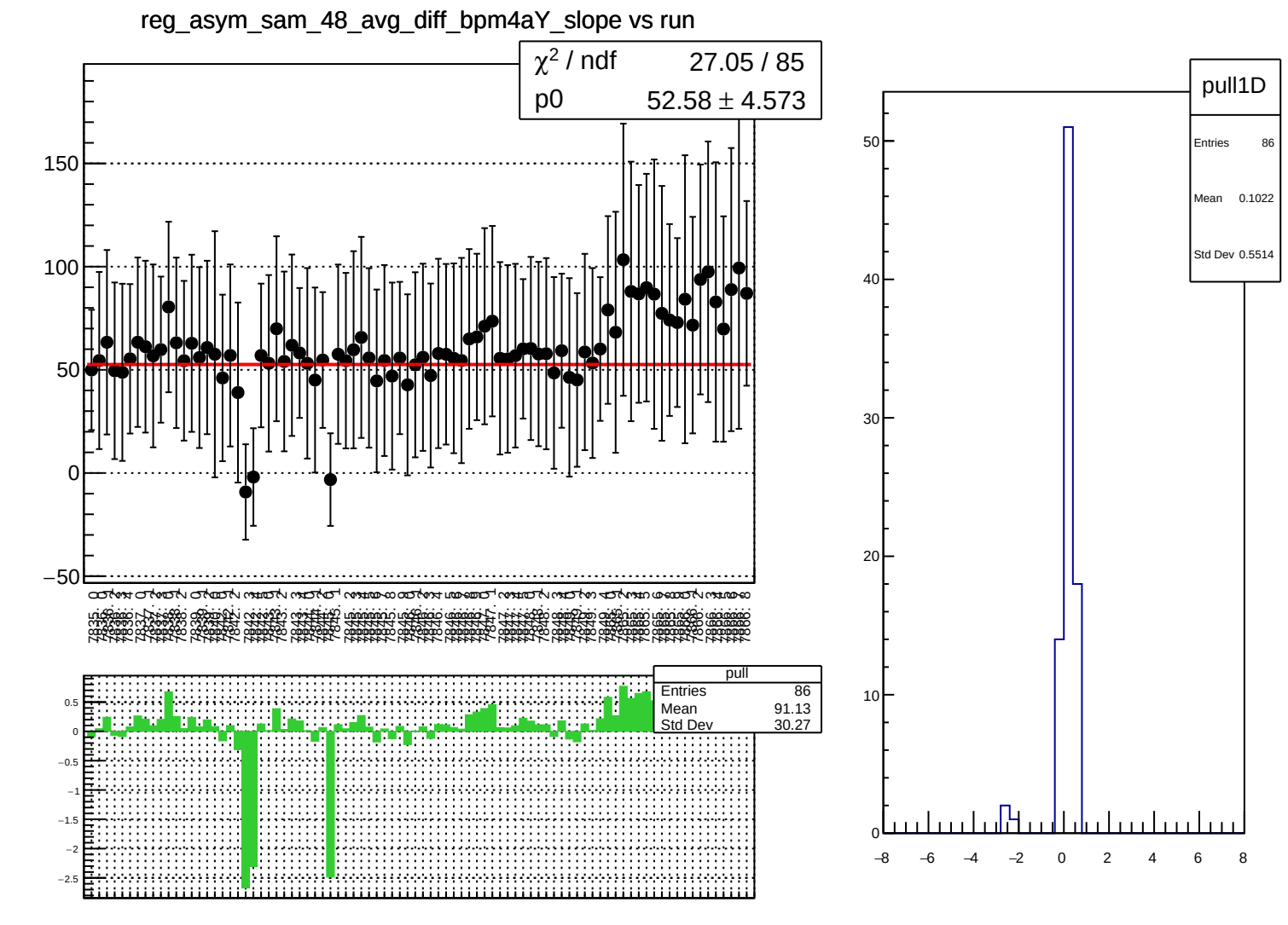

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.85 / 85
p0 −103.6 ± 4.431
pull
Entries 86
Mean 47.88
Std Dev 26.16
pull1D
Entries 86
Mean 0.2779
Std Dev 0.5625

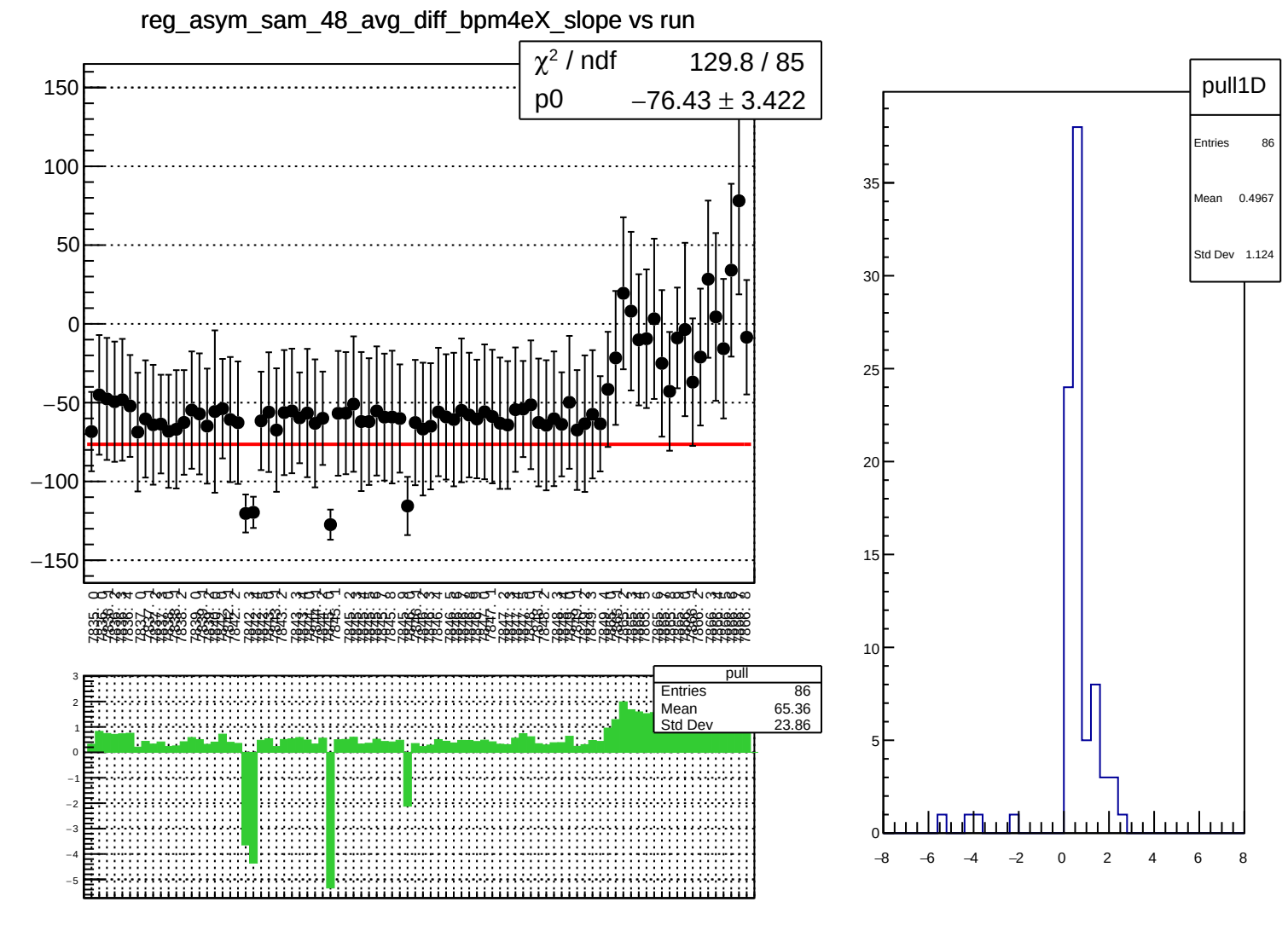

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.88 / 85
p0 −14.77 ± 6.94
pull
Entries 86
Mean −9.414
Std Dev 72.41

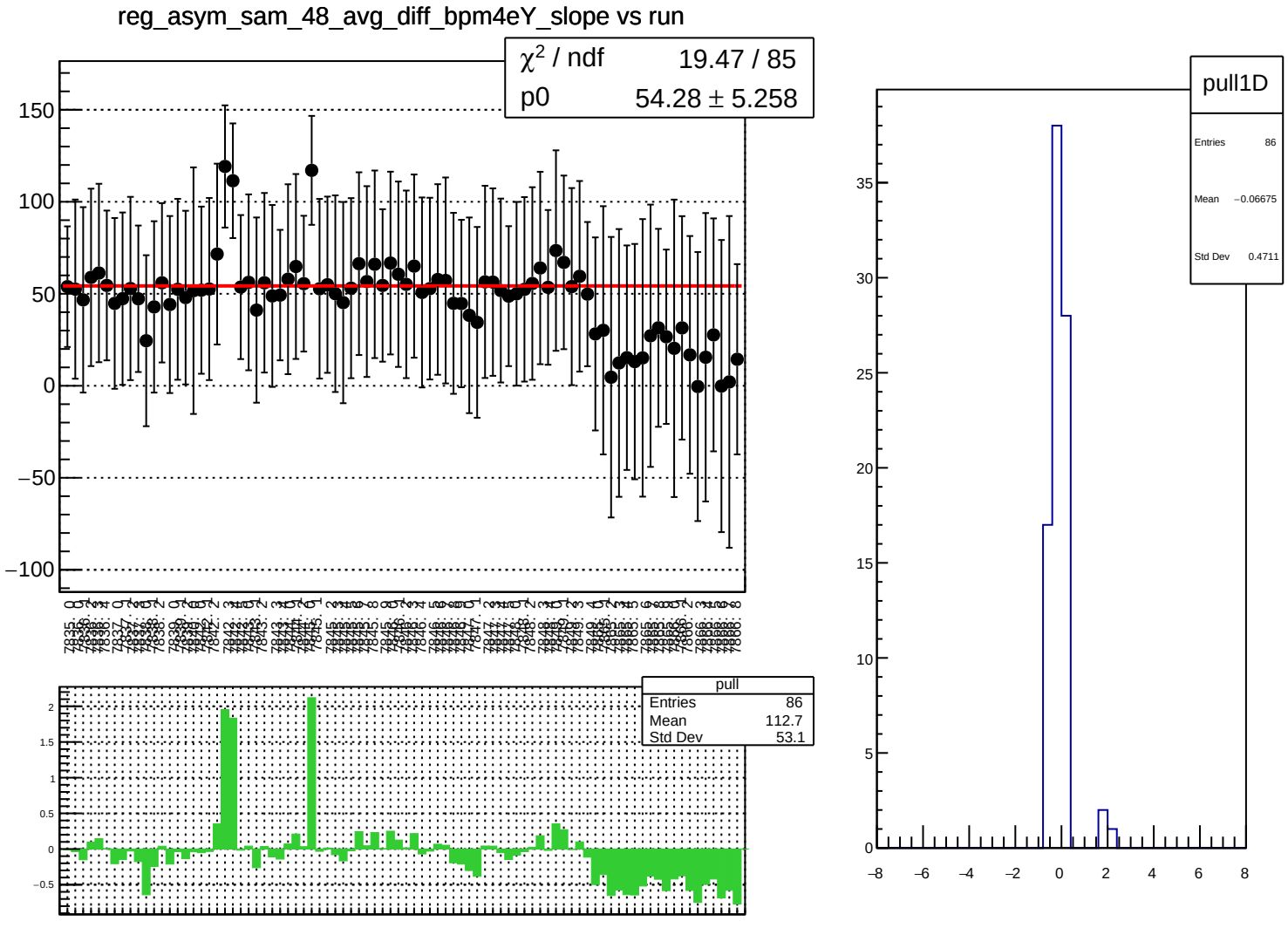

pull1D
Entries 86
Mean 0.02737
Std Dev 0.5037

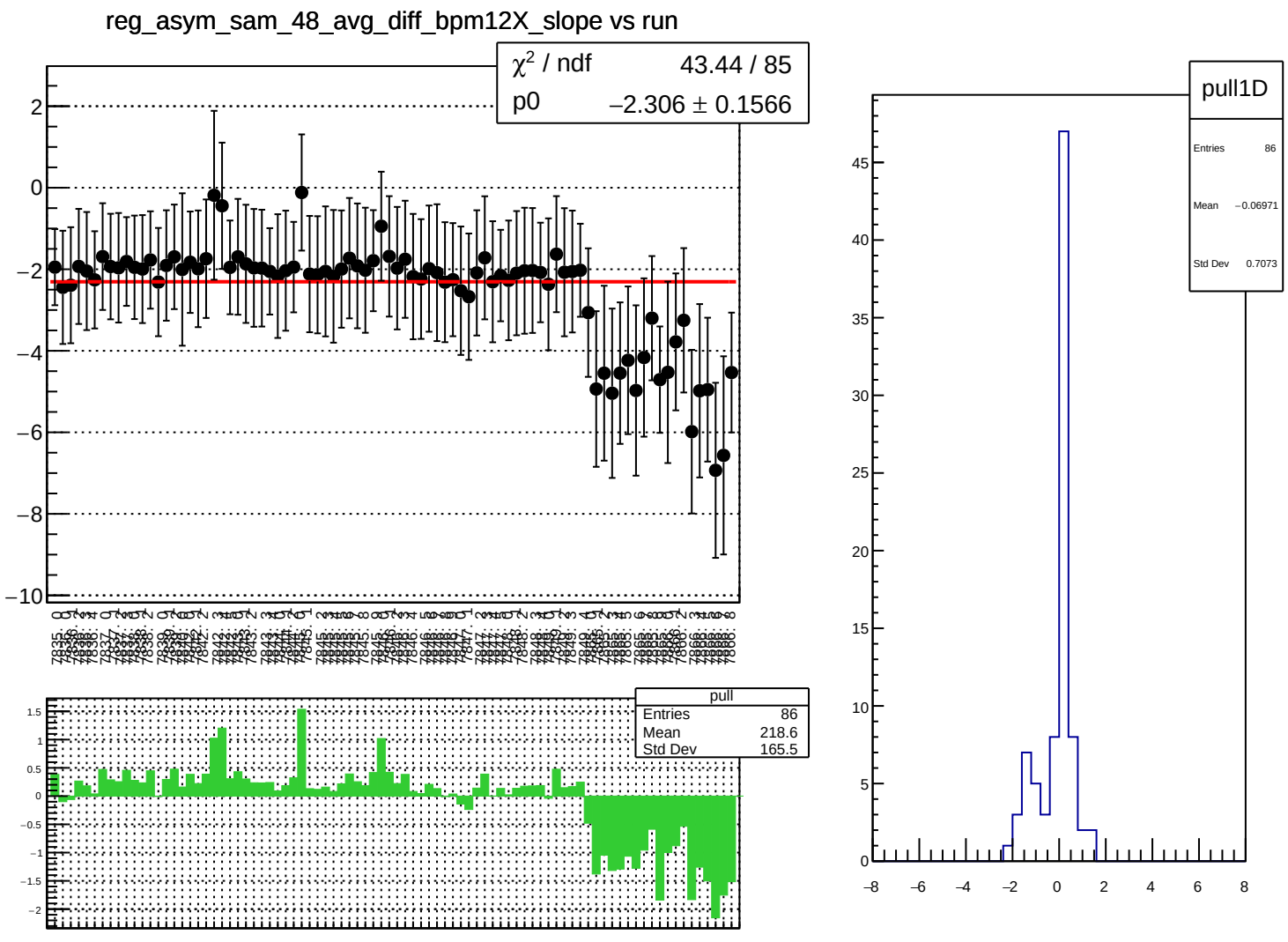

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 3.134 / 85
p0 0.8099 ± 0.2079
pull
Entries 86
Mean 175.5
Std Dev 118.3
pull1D
Entries 86
Mean −0.0167
Std Dev 0.1902

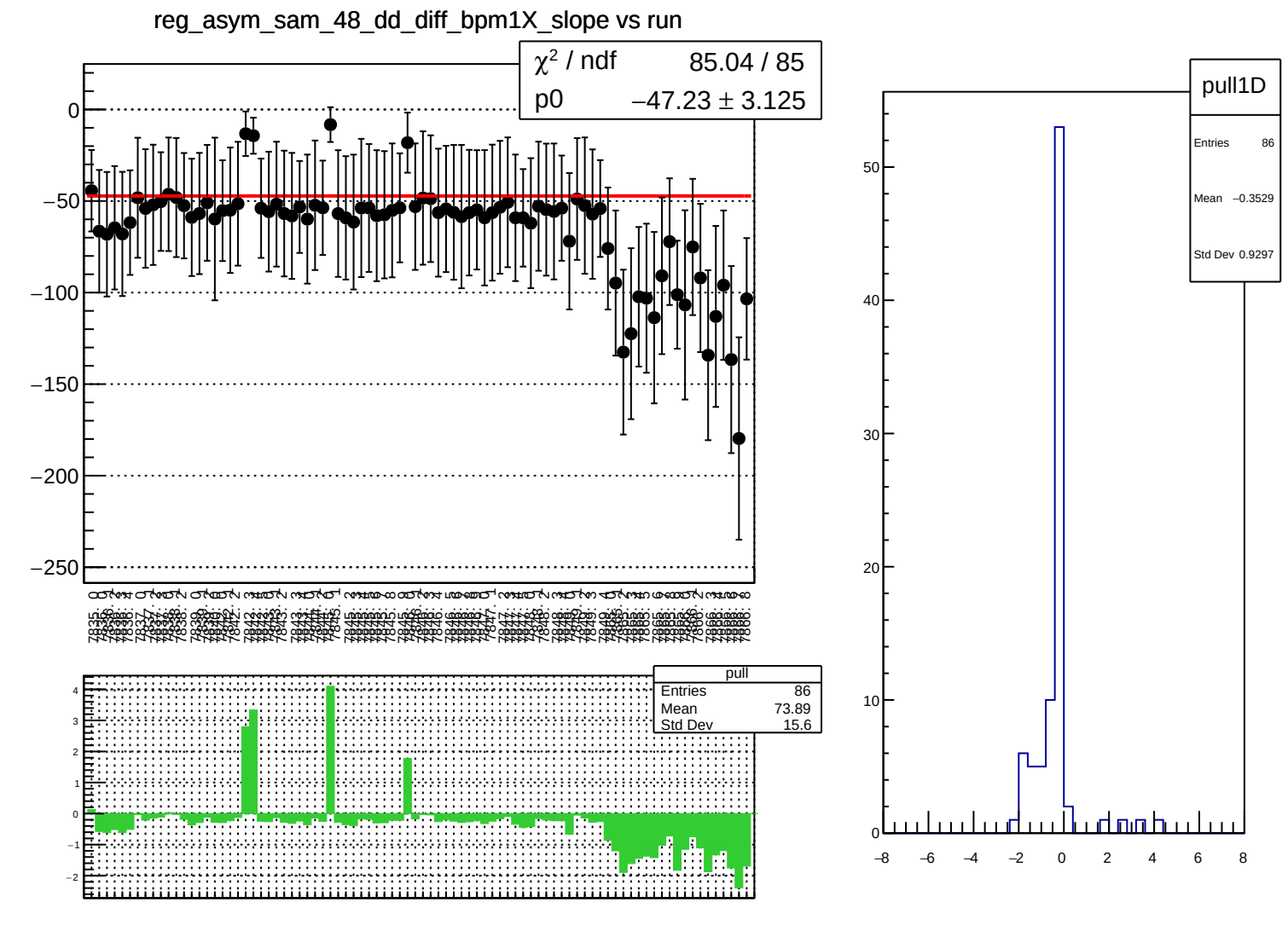

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 123.8 / 85
p0 −43.27 ± 3.901
pull
Entries 86
Mean 71.7
Std Dev 18.07
pull1D
Entries 86
Mean −0.4287
Std Dev 1.121

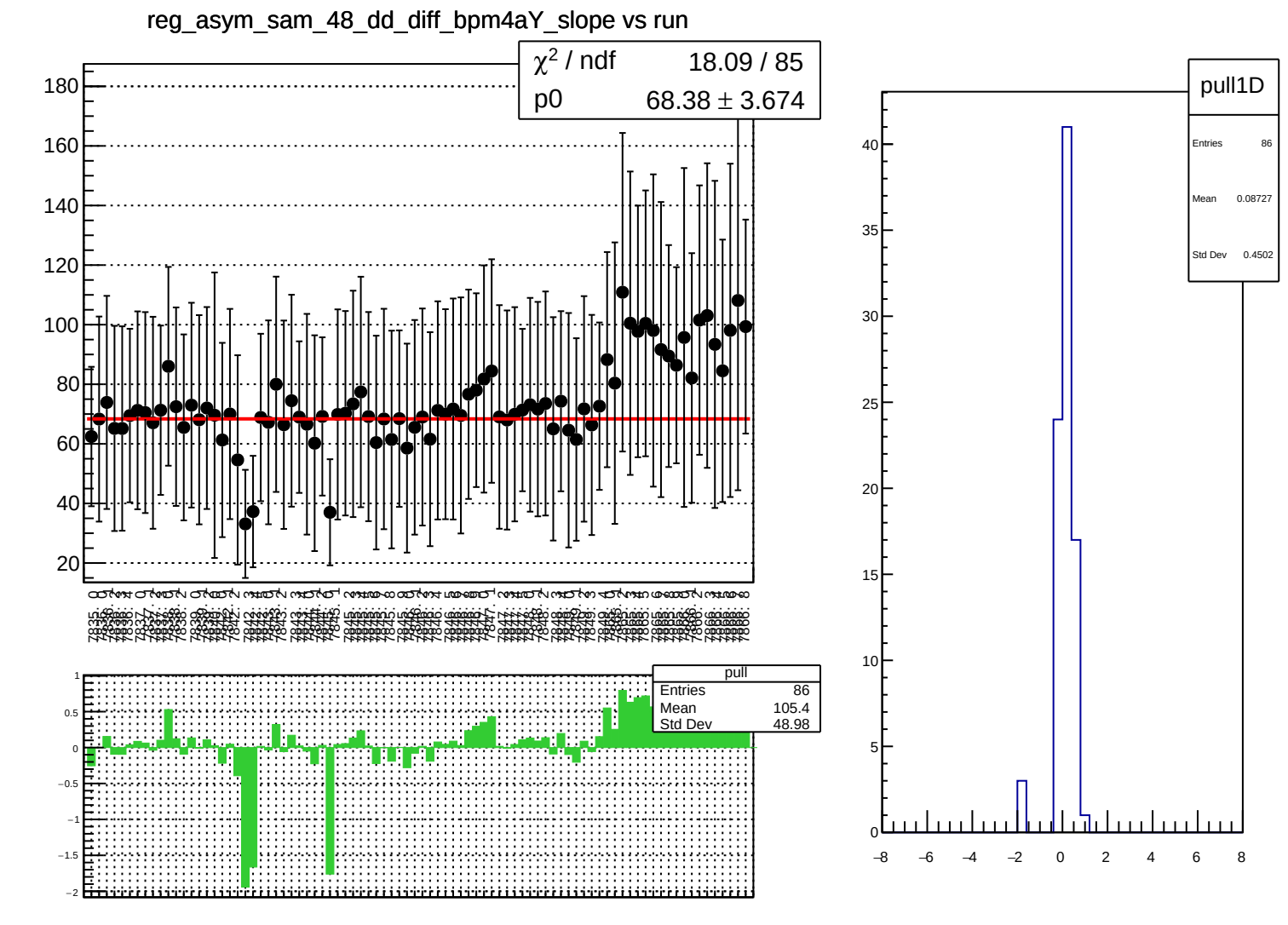

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 27.05 / 85
p0 52.58 ± 4.573
150
100
50
0
−50
pull
Entries 86
Mean 91.13
Std Dev 30.27
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 86
Mean 0.1022
Std Dev 0.5514
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

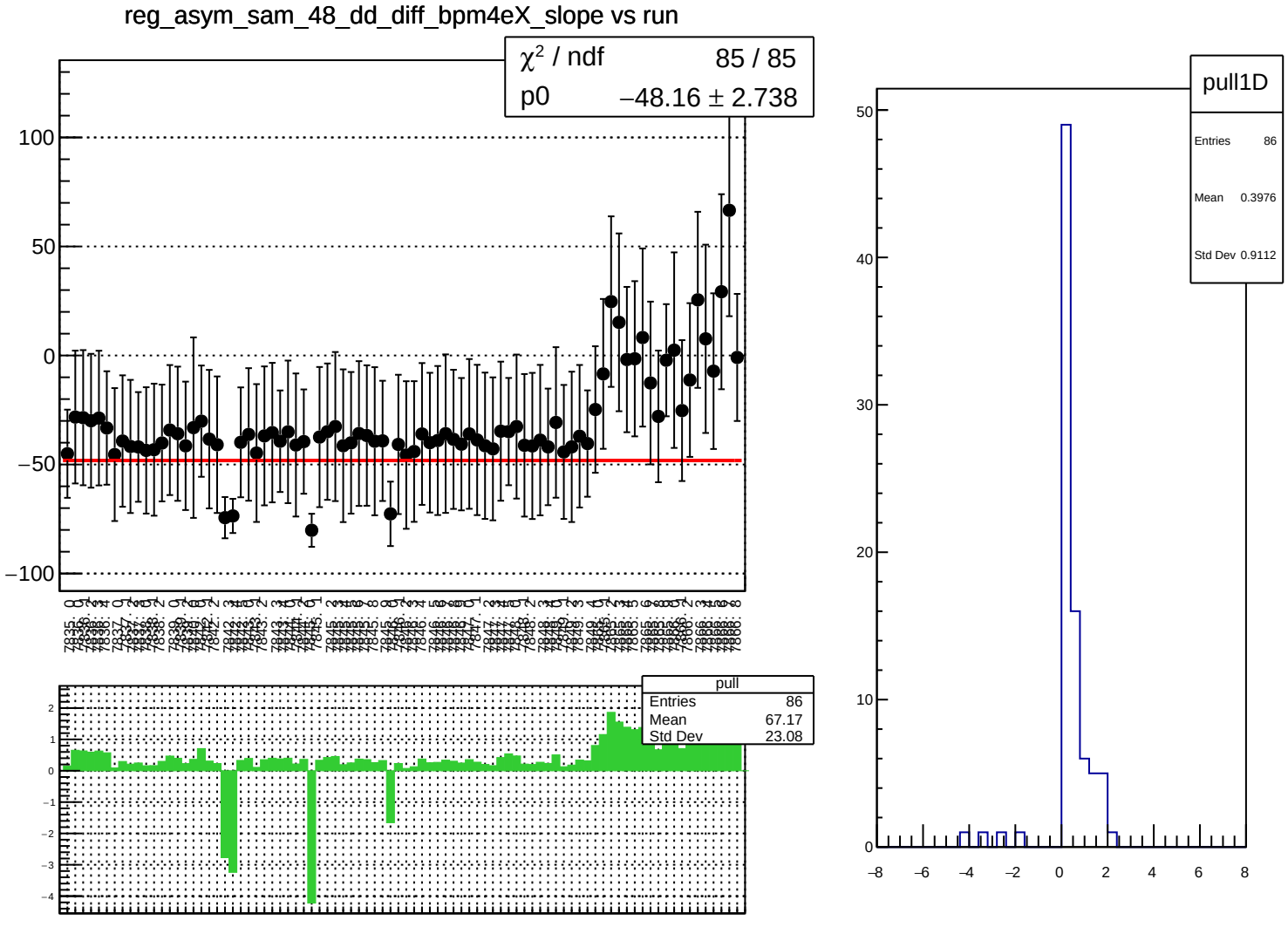

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 129.8 / 85
p0 −76.43 ± 3.422
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 65.36
Std Dev 23.86
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 86
Mean 0.4967
Std Dev 1.124
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

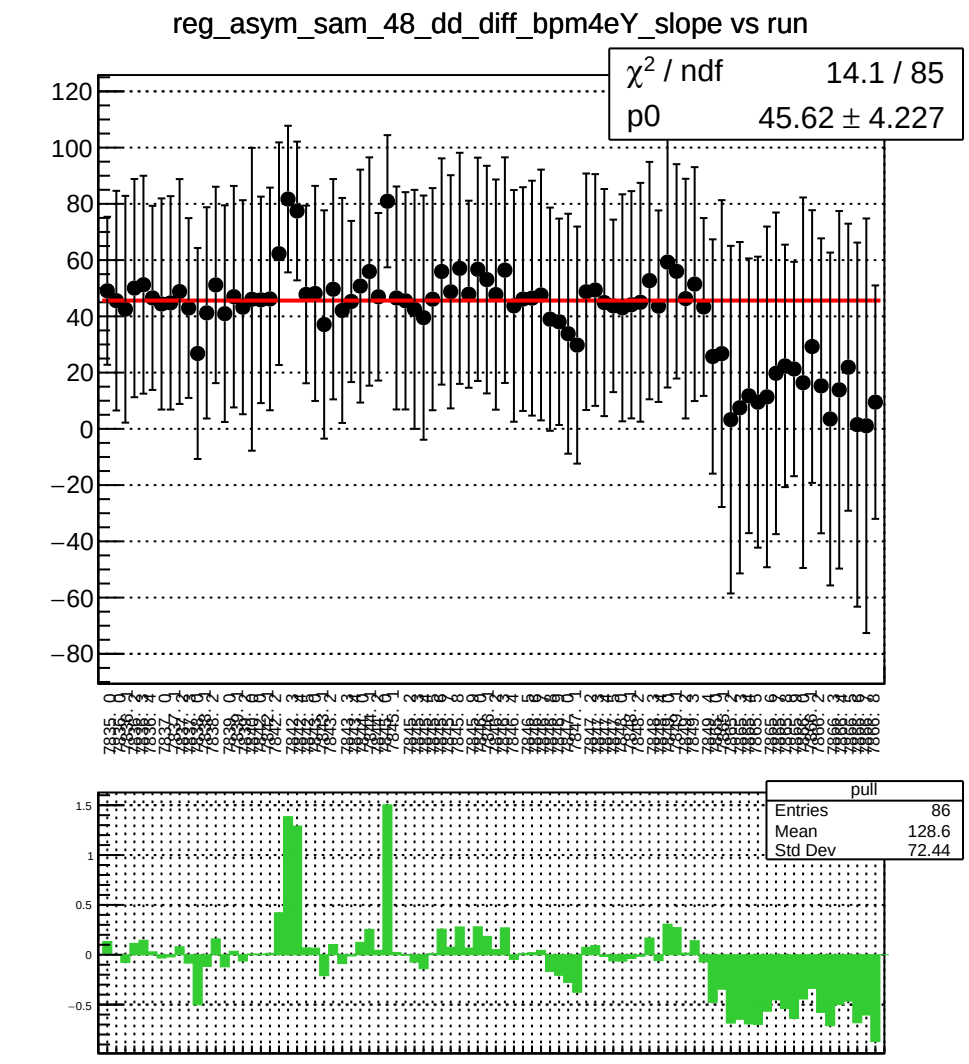

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.47 / 85
p0 54.28 ± 5.258
150
100
50
0
−50
−100
pull
Entries 86
Mean 112.7
Std Dev 53.1
2
1.5
1
0.5
0
−0.5
pull1D
Entries 86
Mean −0.06675
Std Dev 0.4711
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

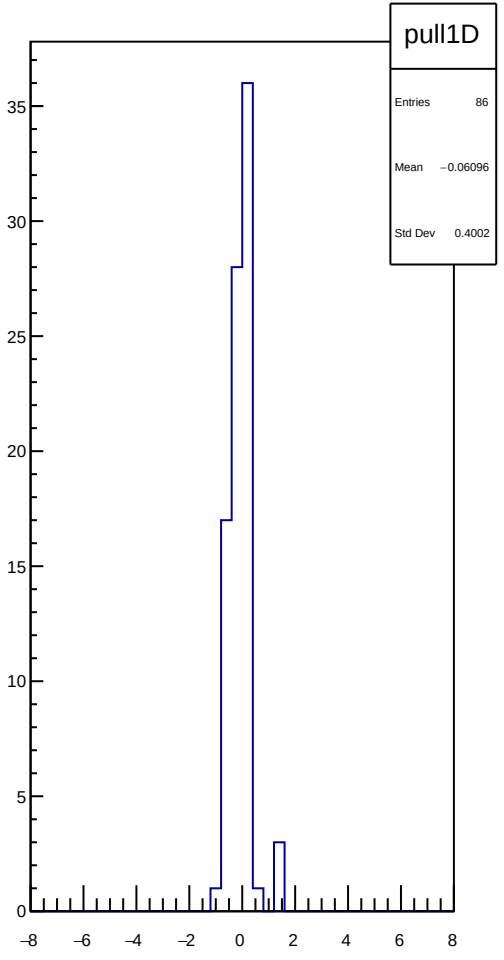

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 43.44 / 85
p0 −2.306 ± 0.1566
pull
Entries 86
Mean 218.6
Std Dev 165.5
pull1D
Entries 86
Mean −0.06971
Std Dev 0.7073

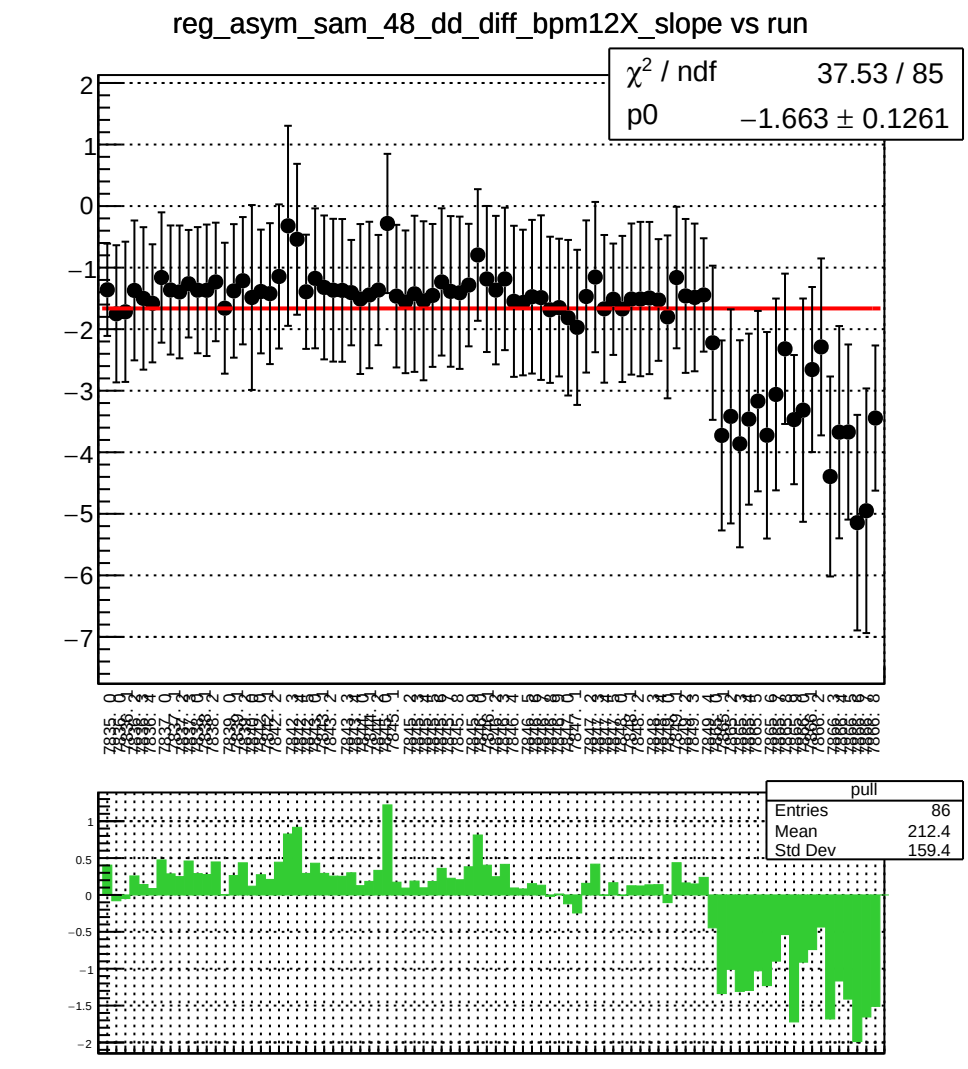

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 85.04 / 85
p0 −47.23 ± 3.125
pull
Entries 86
Mean 73.89
Std Dev 15.6
pull1D
Entries 86
Mean −0.3529
Std Dev 0.9297

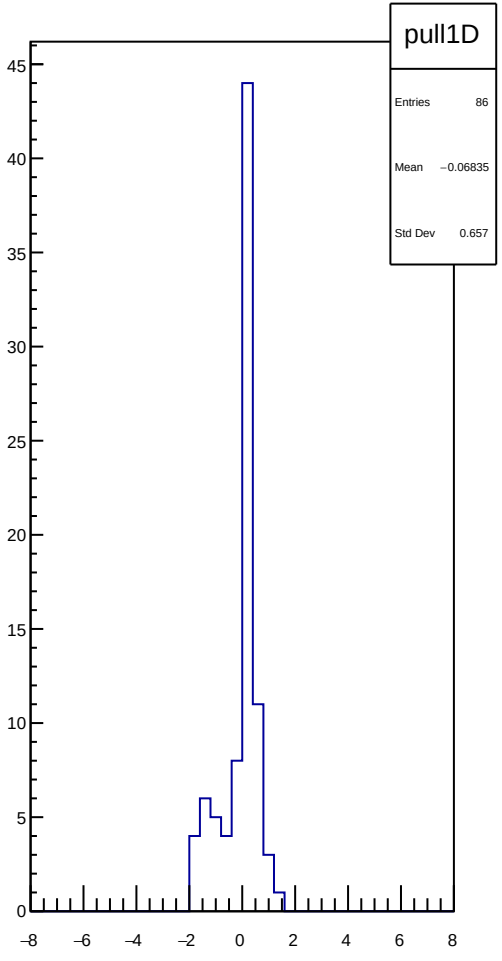

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 18.09 / 85
p0 68.38 ± 3.674
pull
Entries 86
Mean 105.4
Std Dev 48.98
pull1D
Entries 86
Mean 0.08727
Std Dev 0.4502

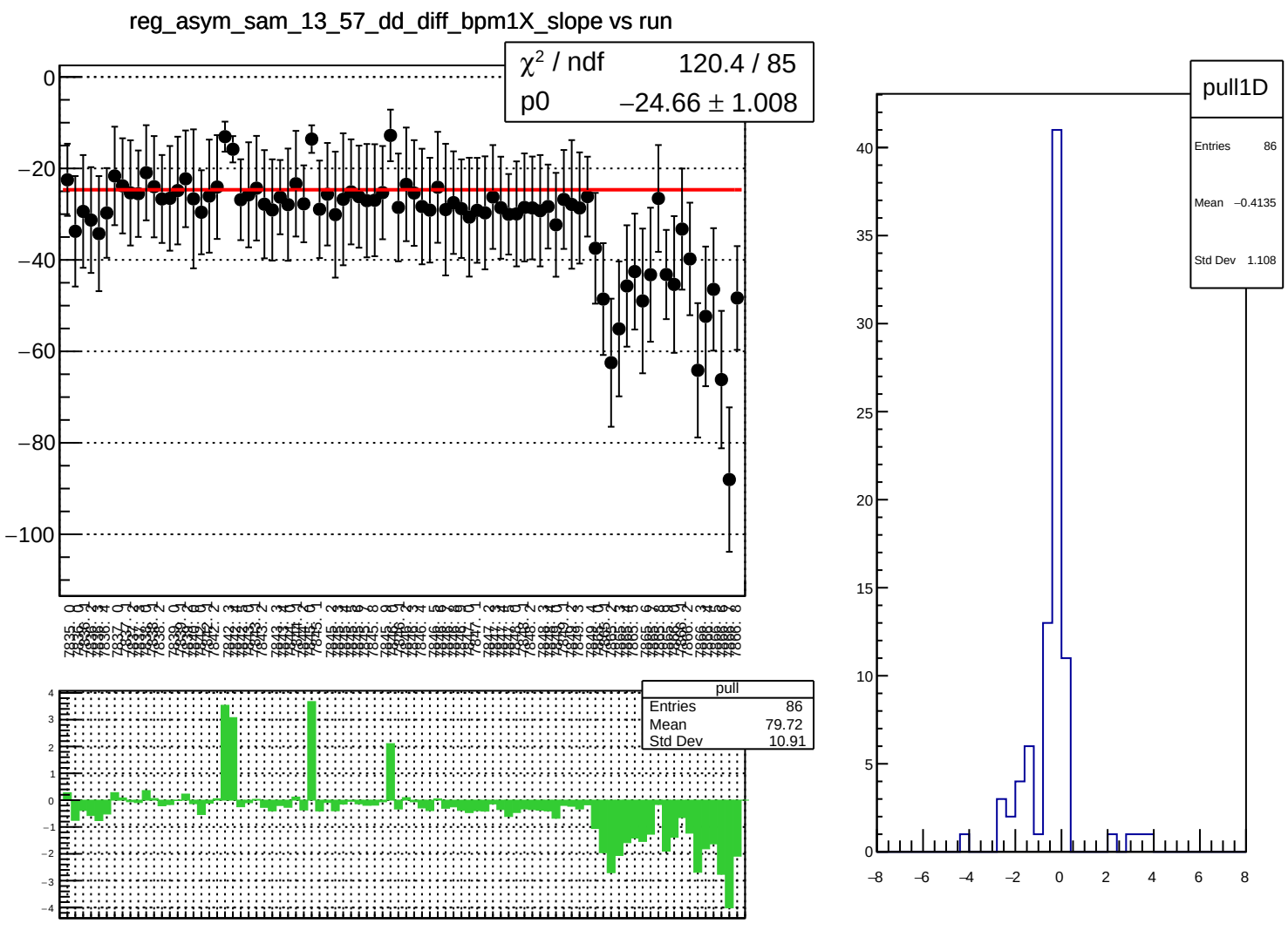

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 85 / 85
p0 −48.16 ± 2.738
100
50
0
−50
−100
pull
Entries 86
Mean 67.17
Std Dev 23.08
2
1
0
−1
−2
−3
−4
pull1D
Entries 86
Mean 0.3976
Std Dev 0.9112
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

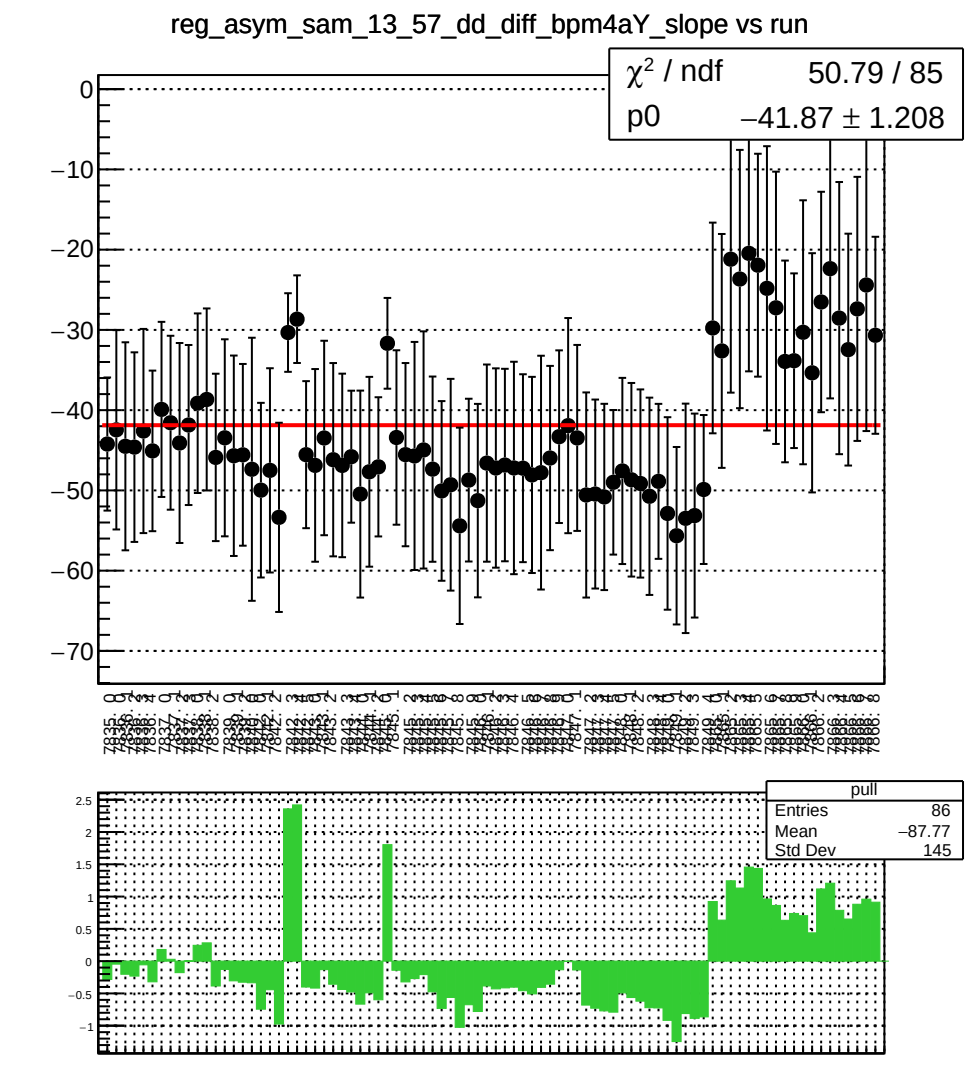

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.1 / 85
p0 45.62 ± 4.227
pull
Entries 86
Mean 128.6
Std Dev 72.44

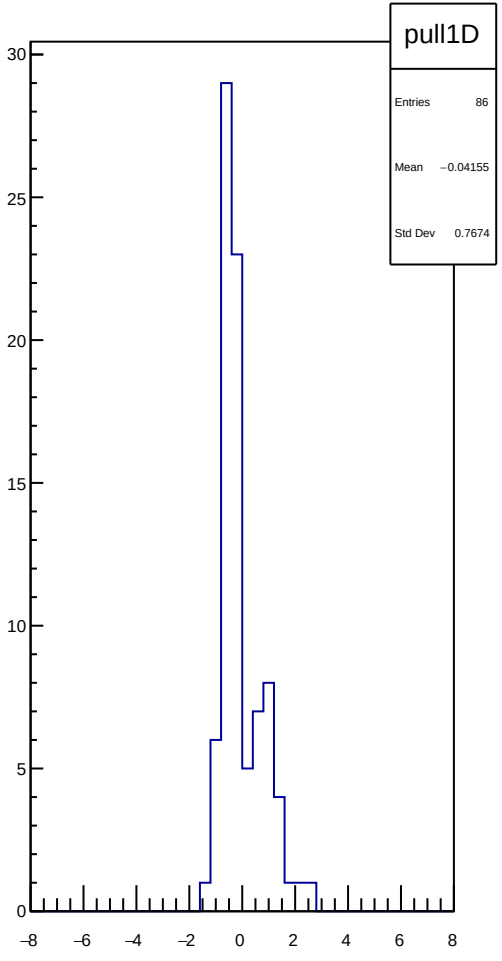

pull1D
Entries 86
Mean −0.06096
Std Dev 0.4002

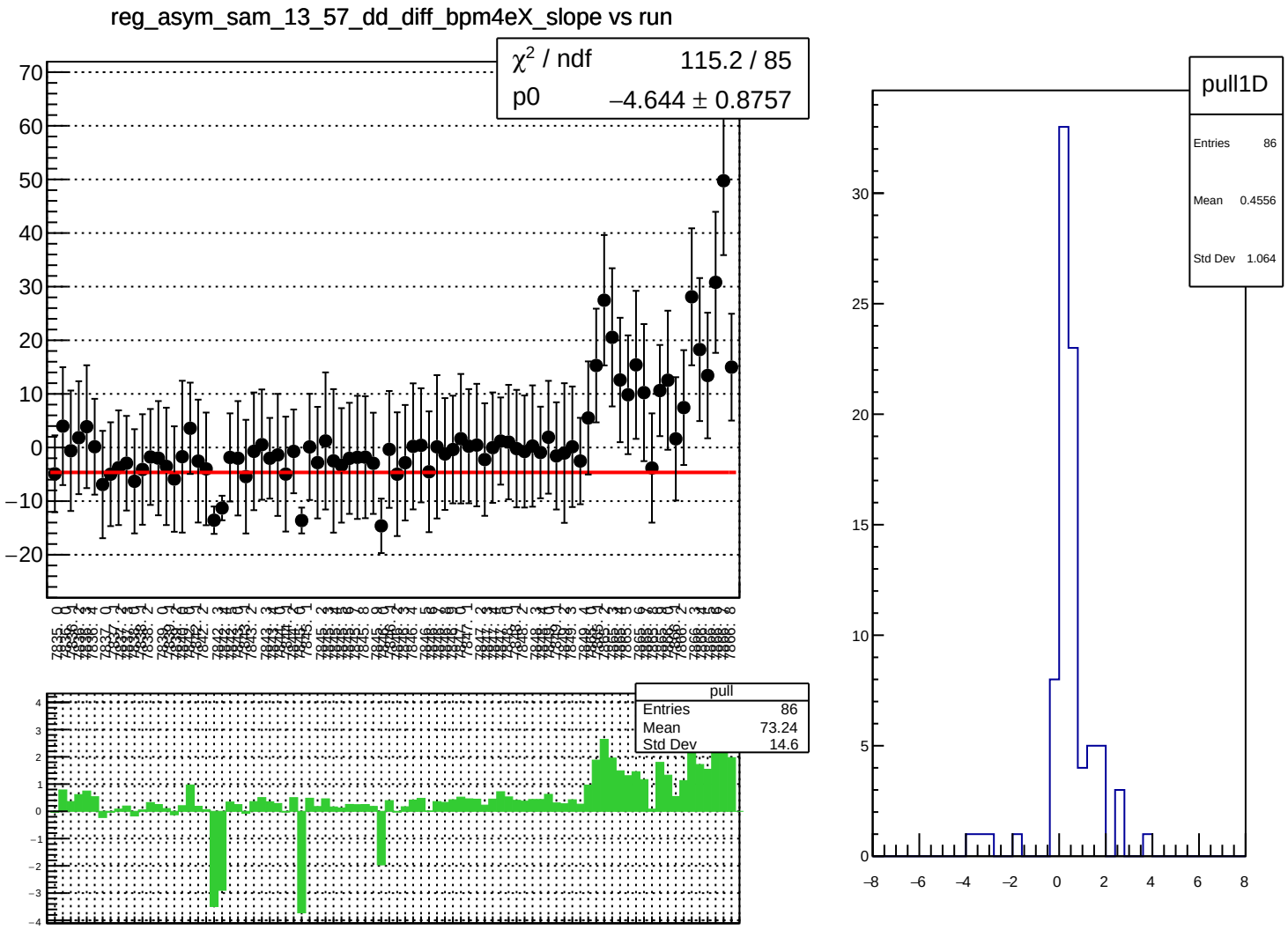

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 37.53 / 85
p0 −1.663 ± 0.1261
pull
Entries 86
Mean 212.4
Std Dev 159.4

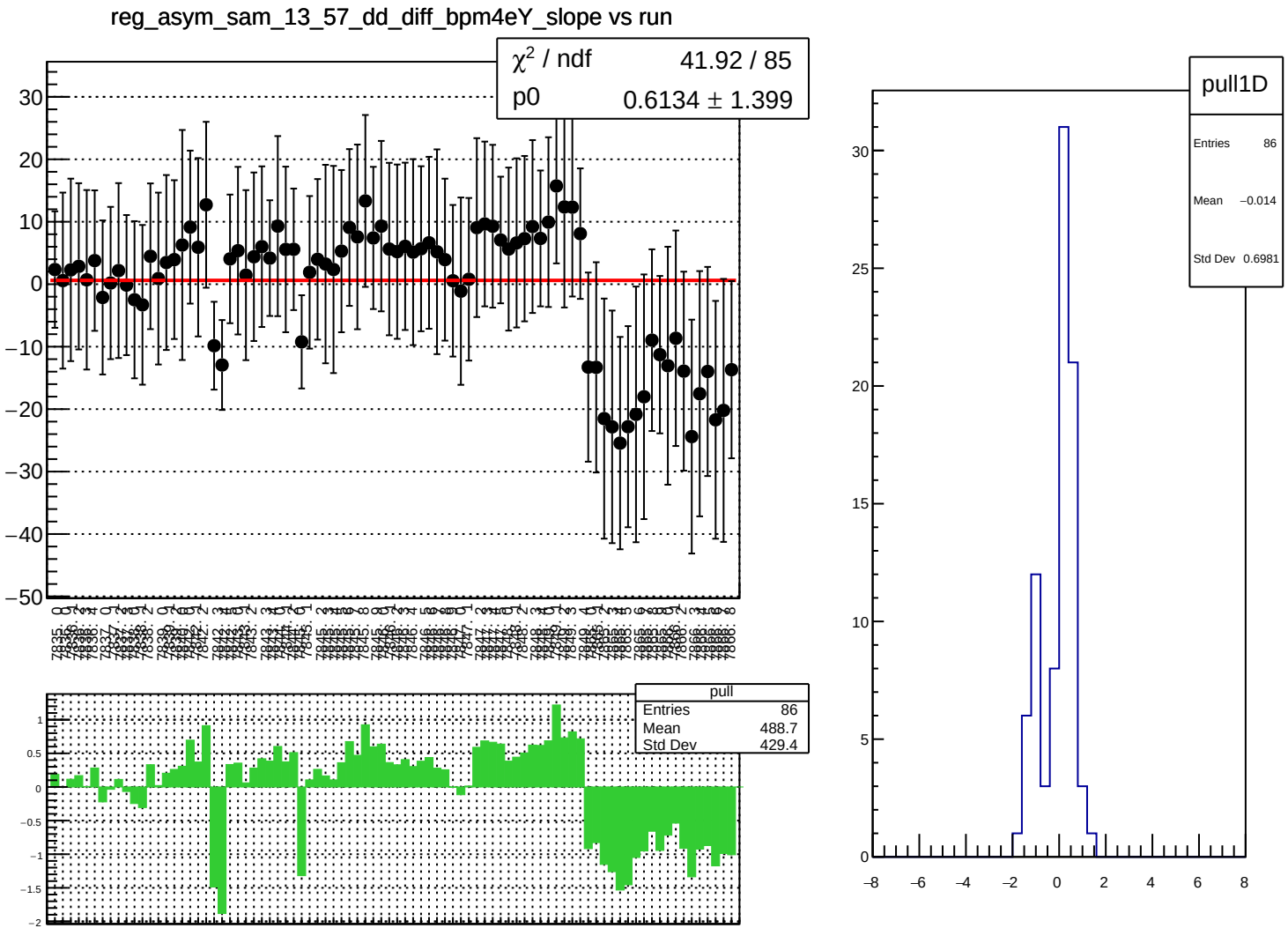

pull1D
Entries 86
Mean −0.06835
Std Dev 0.657

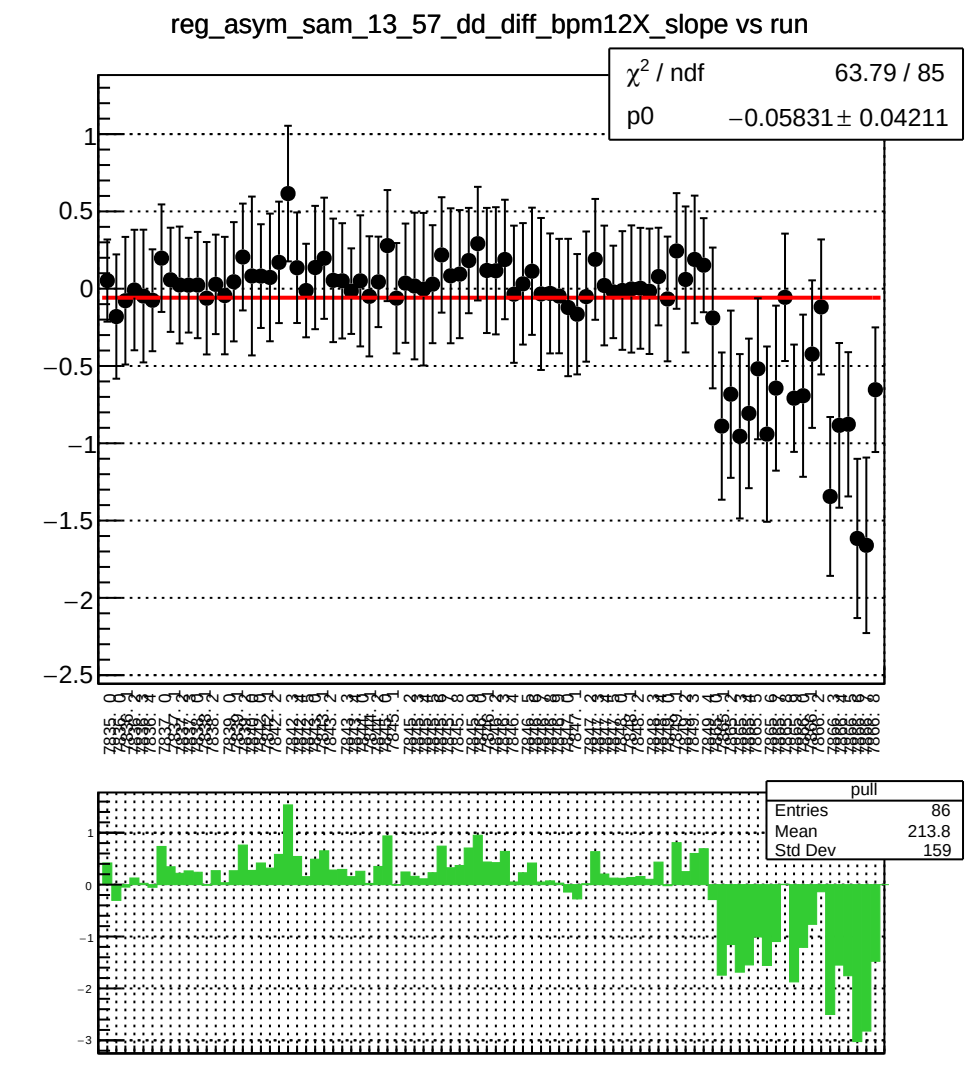

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 120.4 / 85
p0 −24.66 ± 1.008
pull
Entries 86
Mean 79.72
Std Dev 10.91
pull1D
Entries 86
Mean −0.4135
Std Dev 1.108

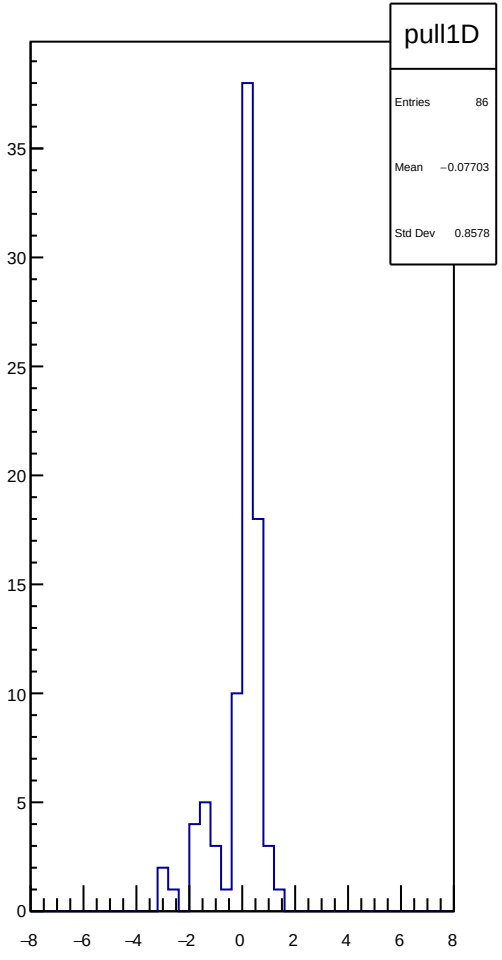

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 50.79 / 85
p0 −41.87 ± 1.208
pull
Entries 86
Mean −87.77
Std Dev 145

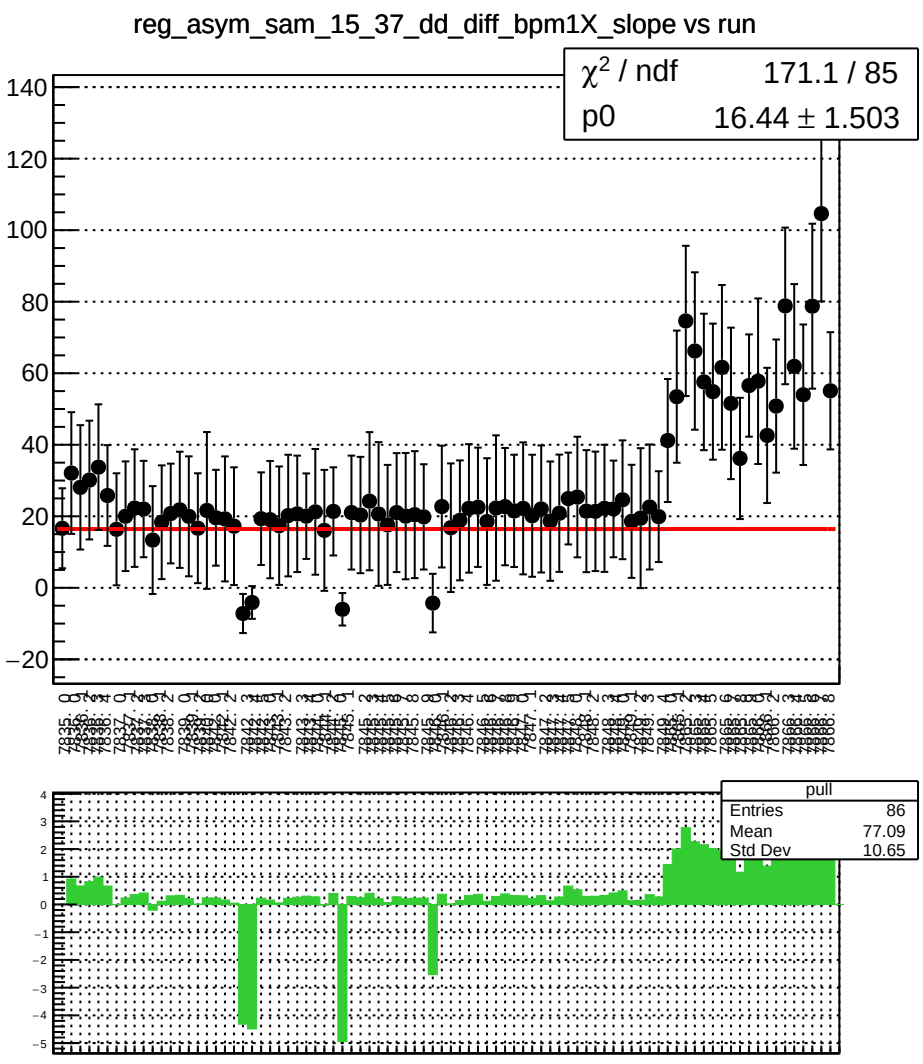

pull1D
Entries 86
Mean −0.04155
Std Dev 0.7674

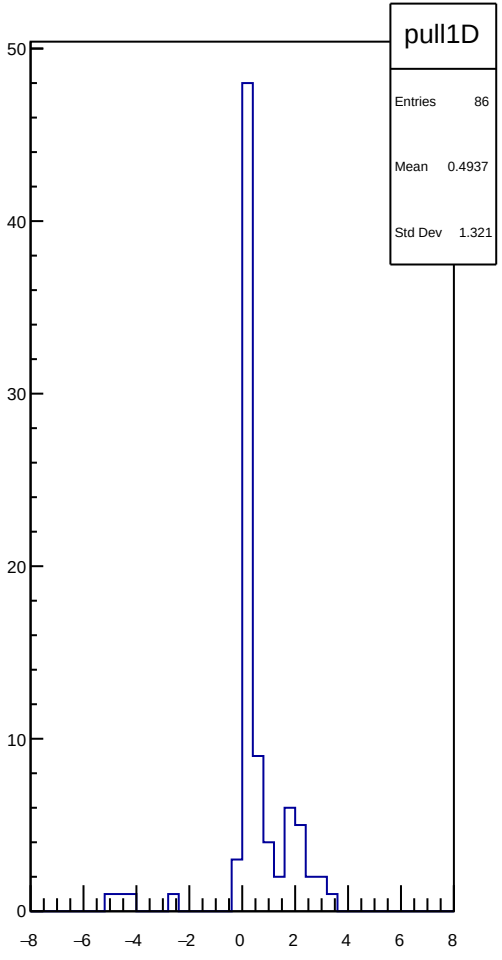

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 115.2 / 85
p0 −4.644 ± 0.8757
pull
Entries 86
Mean 73.24
Std Dev 14.6
pull1D
Entries 86
Mean 0.4556
Std Dev 1.064

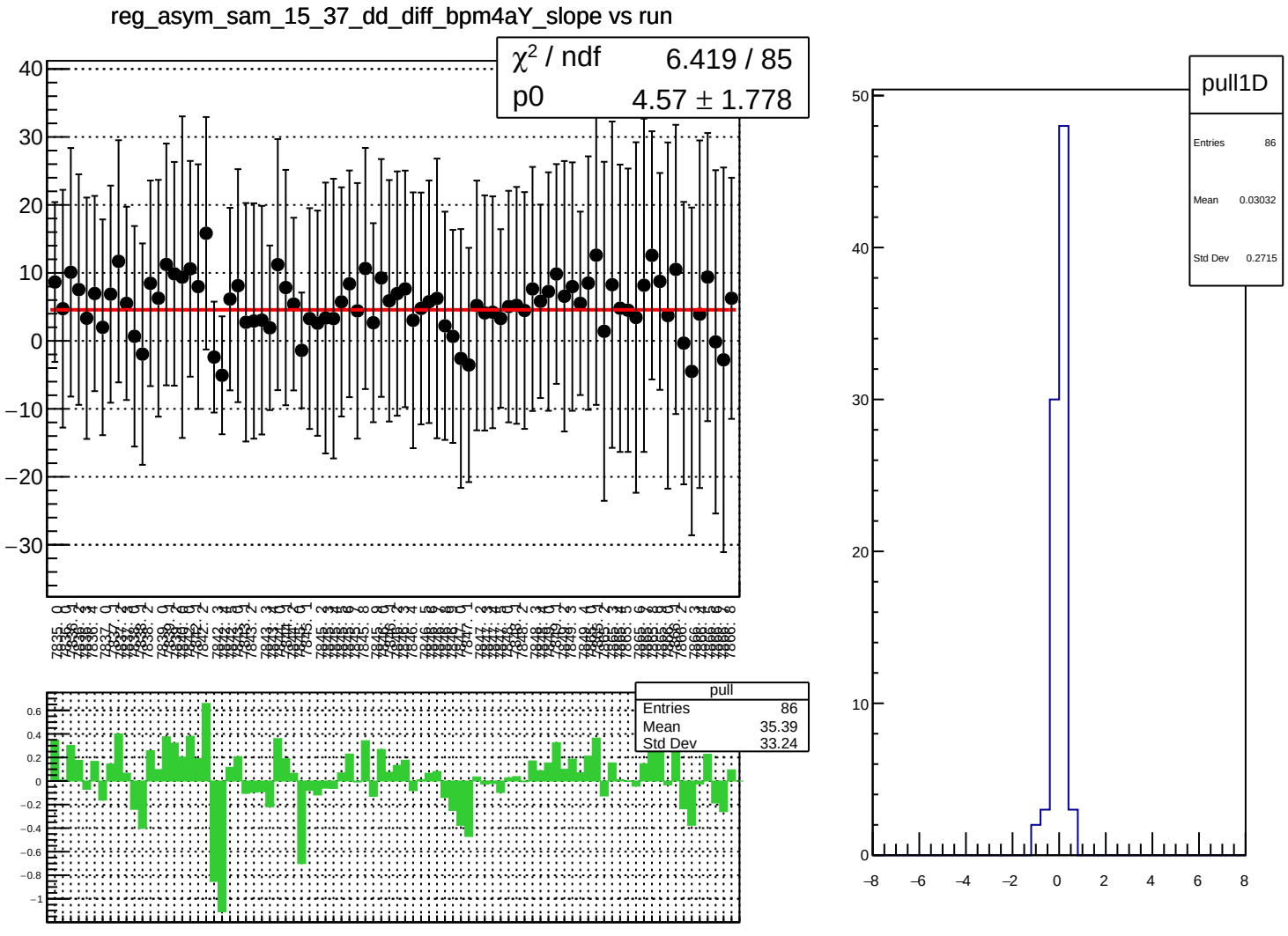

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.92 / 85
p0 0.6134 ± 1.399
pull
Entries 86
Mean 488.7
Std Dev 429.4
pull1D
Entries 86
Mean −0.014
Std Dev 0.6981

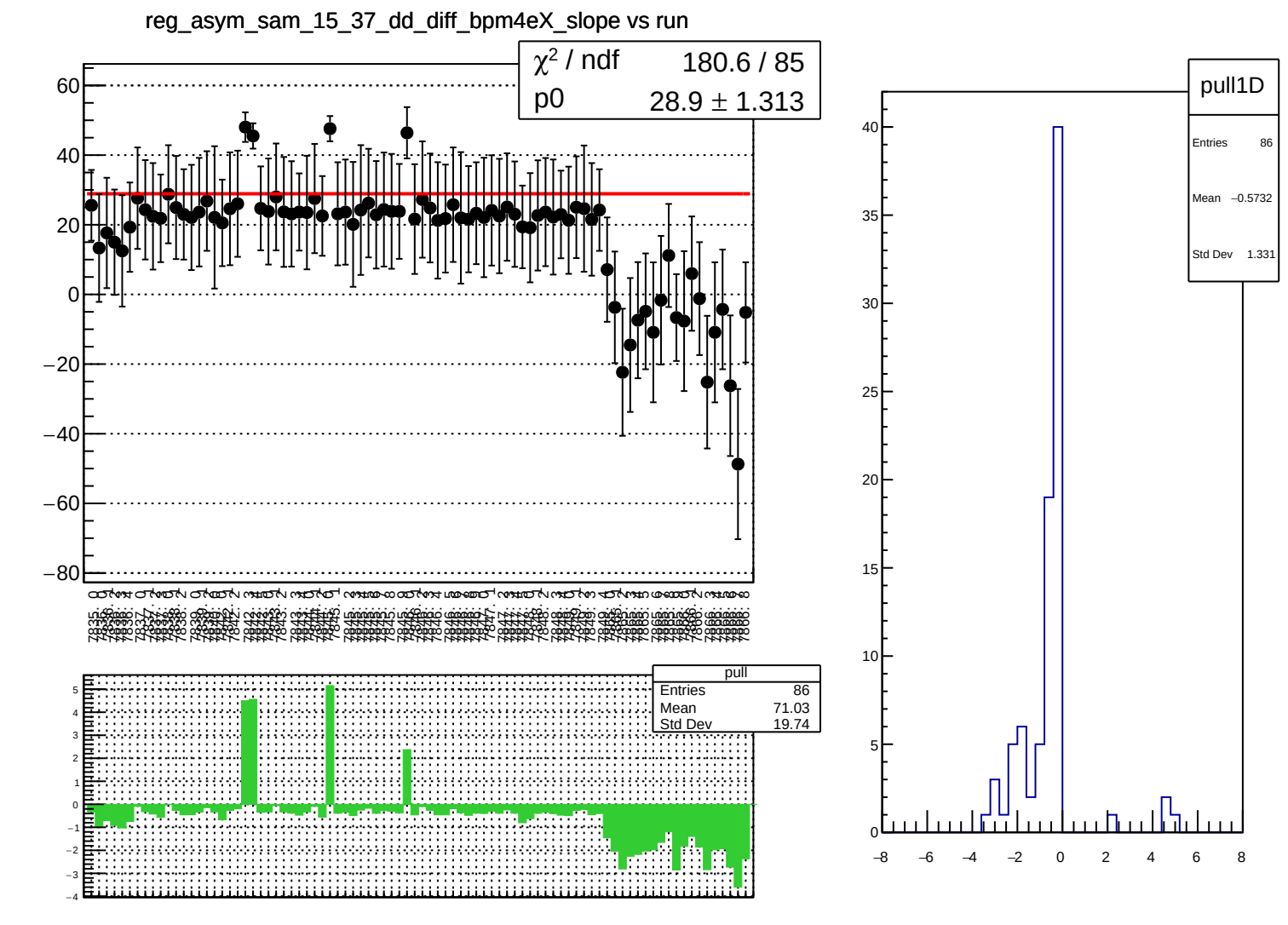

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 63.79 / 85
p0 −0.05831 ± 0.04211
pull
Entries 86
Mean 213.8
Std Dev 159

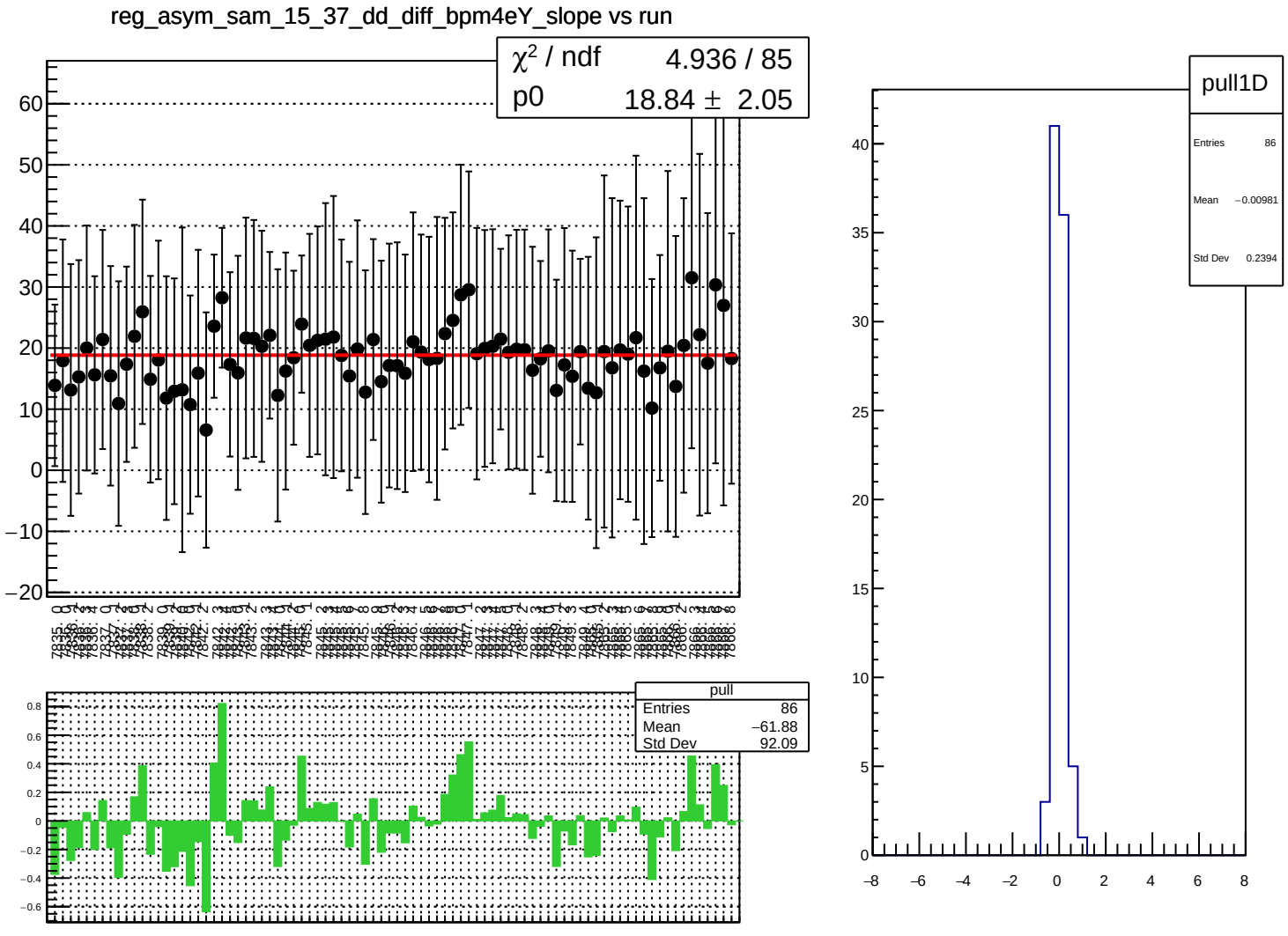

pull1D
Entries 86
Mean −0.07703
Std Dev 0.8578

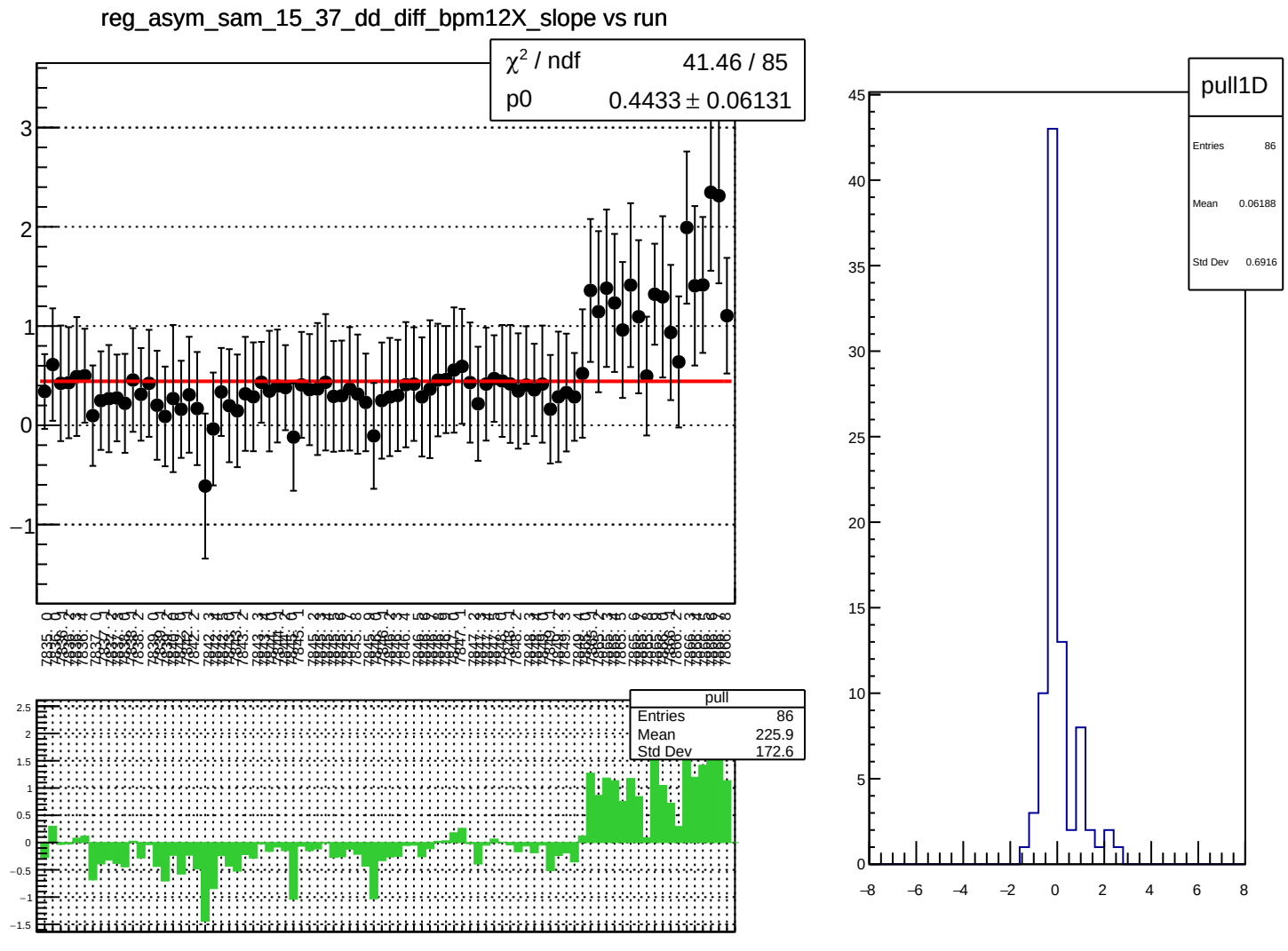

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 171.1 / 85
p0 16.44 ± 1.503
pull
Entries 86
Mean 77.09
Std Dev 10.65

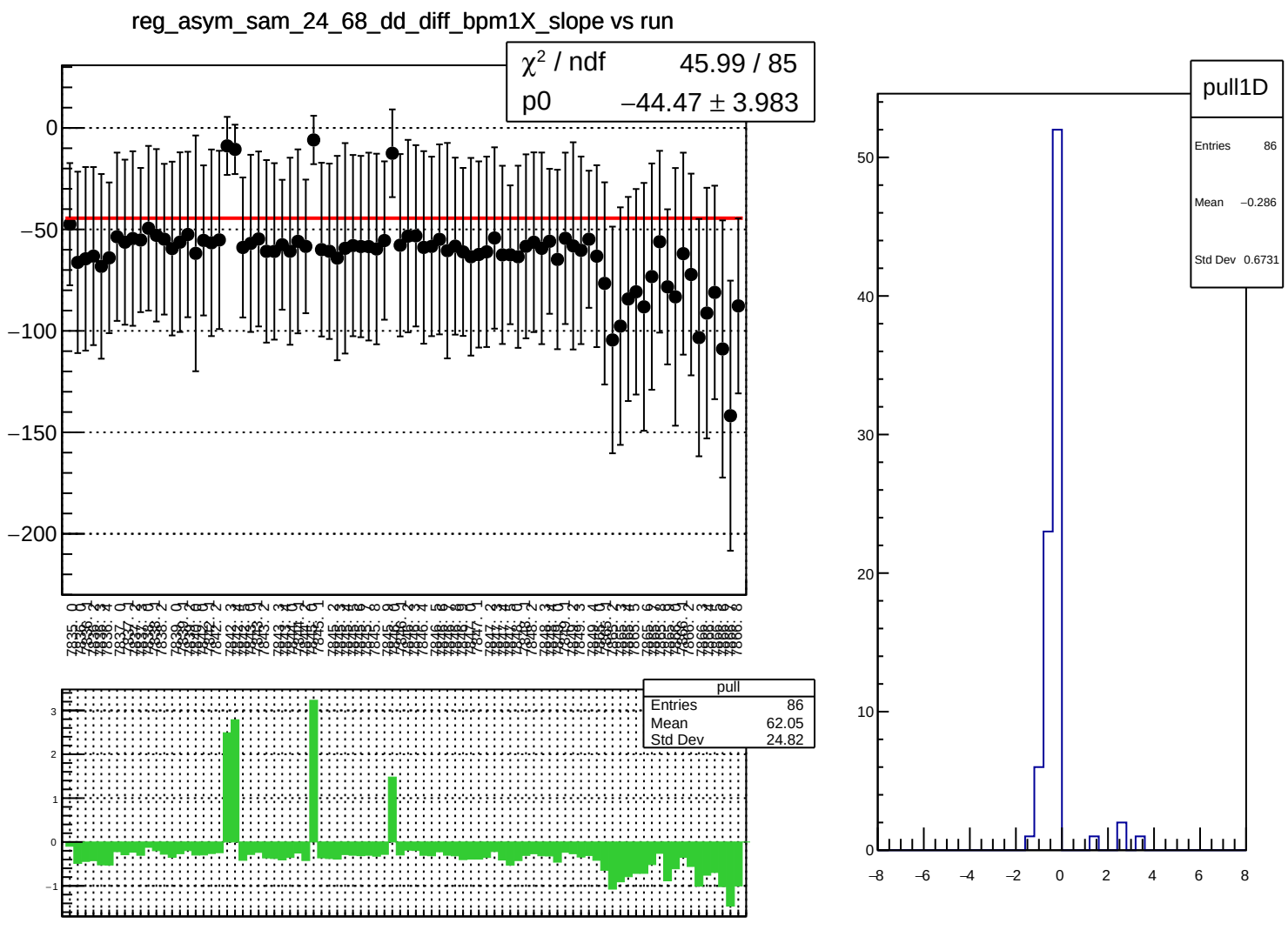

pull1D
Entries 86
Mean 0.4937
Std Dev 1.321

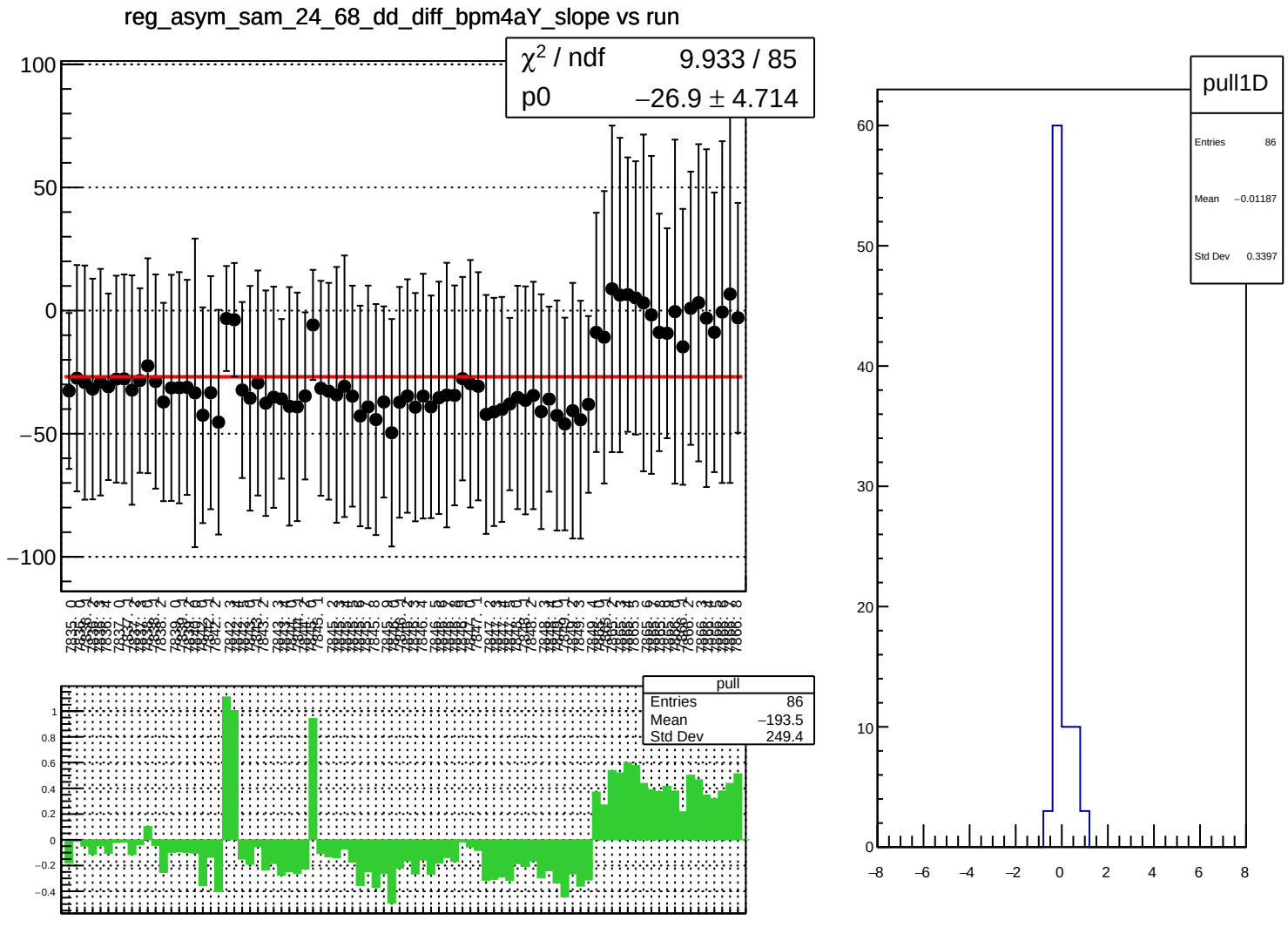

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.419 / 85
p0 4.57 ± 1.778
pull
Entries 86
Mean 35.39
Std Dev 33.24
pull1D
Entries 86
Mean 0.03032
Std Dev 0.2715

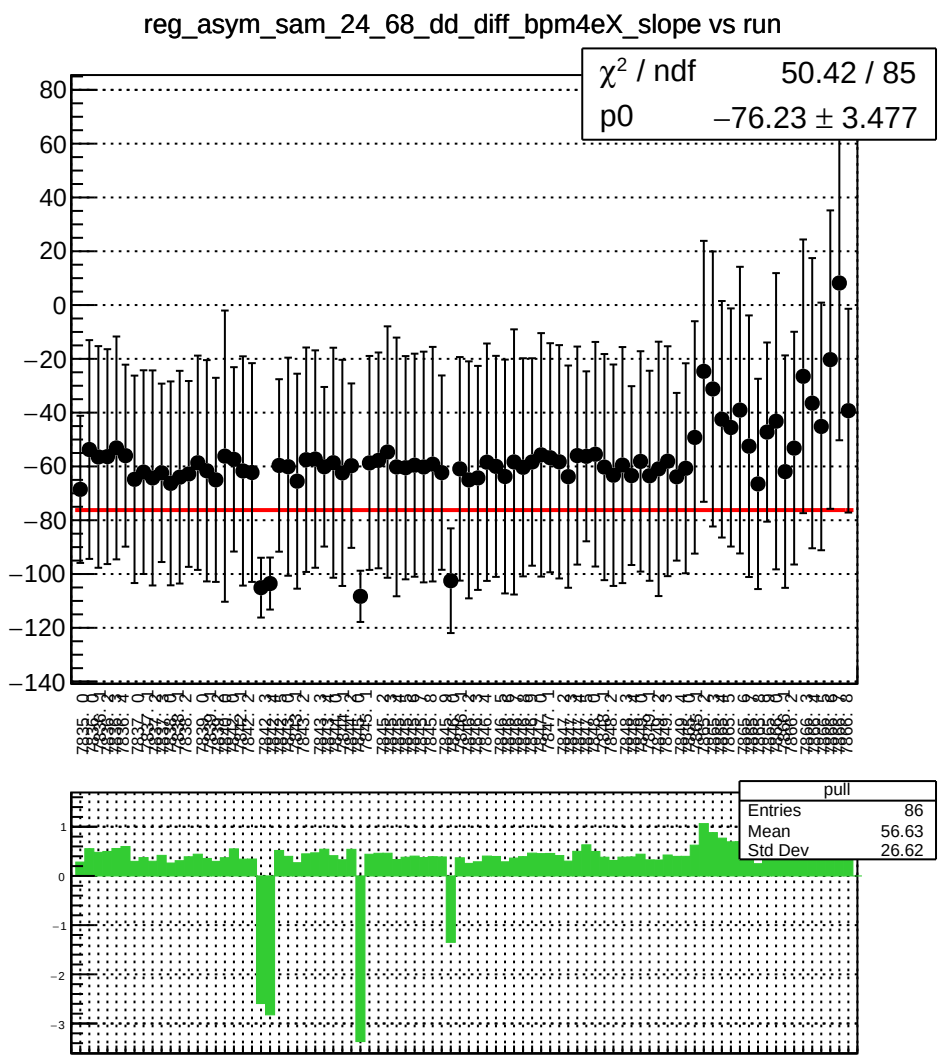

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 180.6 / 85
p0 28.9 ± 1.313
pull
Entries 86
Mean 71.03
Std Dev 19.74
pull1D
Entries 86
Mean −0.5732
Std Dev 1.331

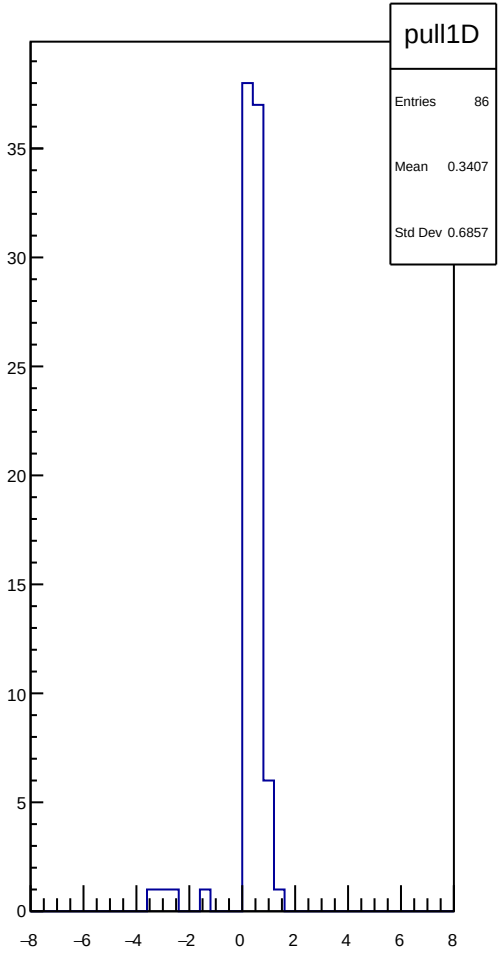

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.936 / 85
p0 18.84 ± 2.05
pull
Entries 86
Mean −61.88
Std Dev 92.09
pull1D
Entries 86
Mean −0.00981
Std Dev 0.2394

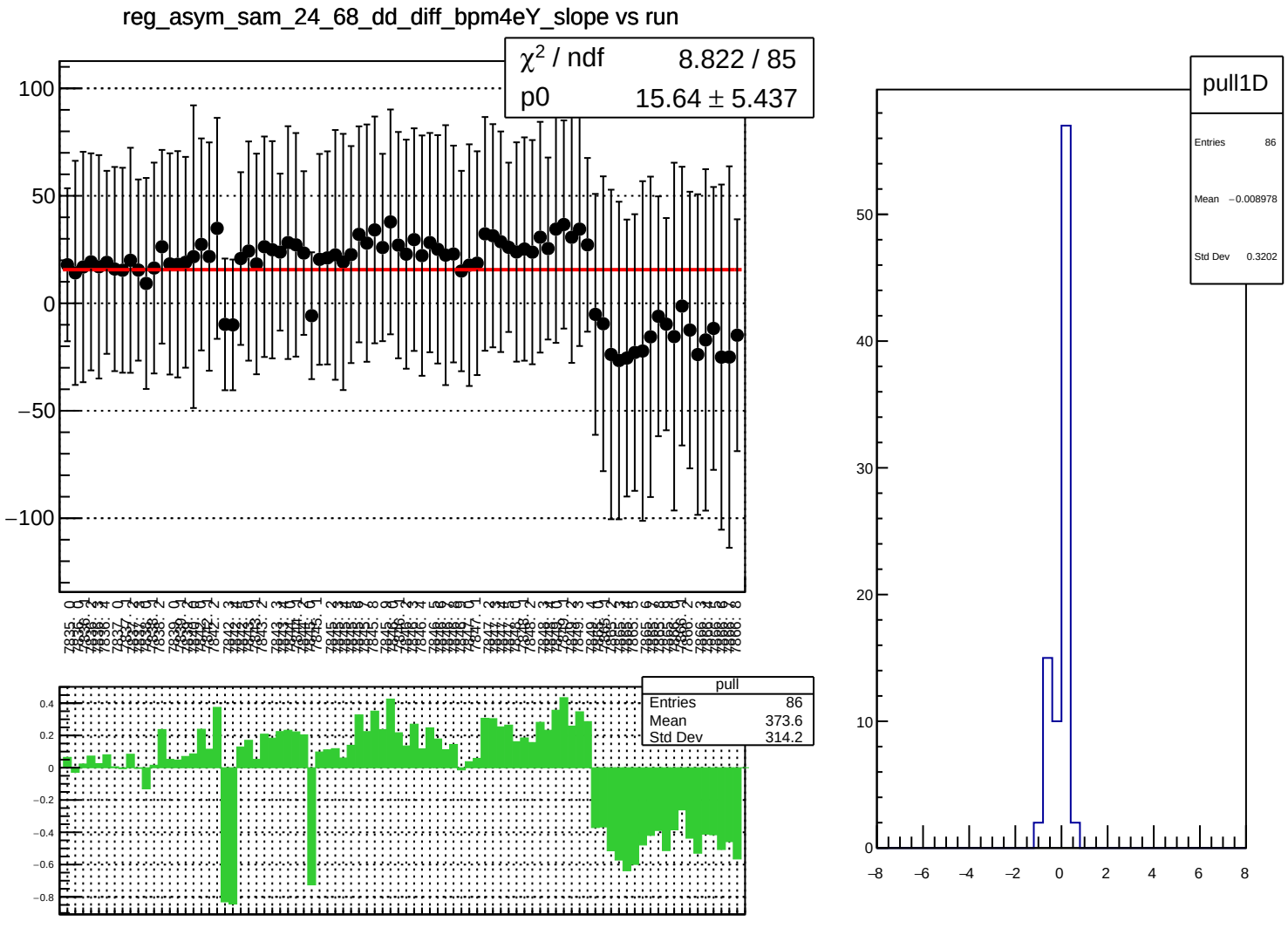

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 41.46 / 85
p0 0.4433 ± 0.06131
pull
Entries 86
Mean 225.9
Std Dev 172.6
pull1D
Entries 86
Mean 0.06188
Std Dev 0.6916

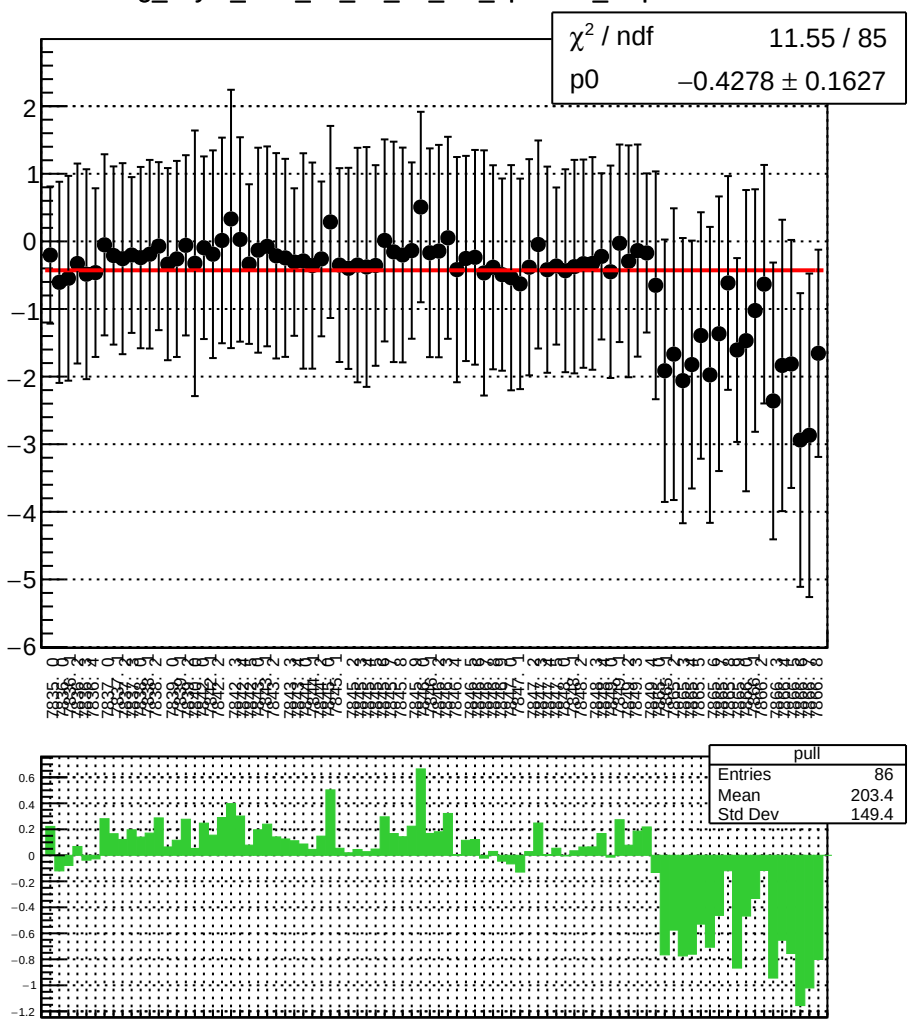

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 45.99 / 85
p0 −44.47 ± 3.983
0
−50
−100
−150
−200
pull
Entries 86
Mean 62.05
Std Dev 24.82
3
2
1
0
−1
pull1D
Entries 86
Mean −0.286
Std Dev 0.6731
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

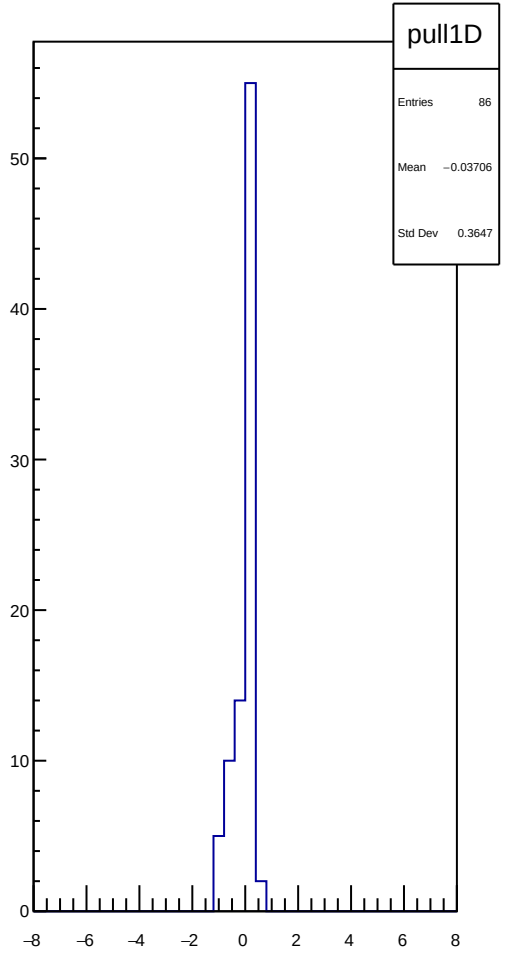

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.933 / 85
p0 −26.9 ± 4.714
pull
Entries 86
Mean −193.5
Std Dev 249.4
pull1D
Entries 86
Mean −0.01187
Std Dev 0.3397

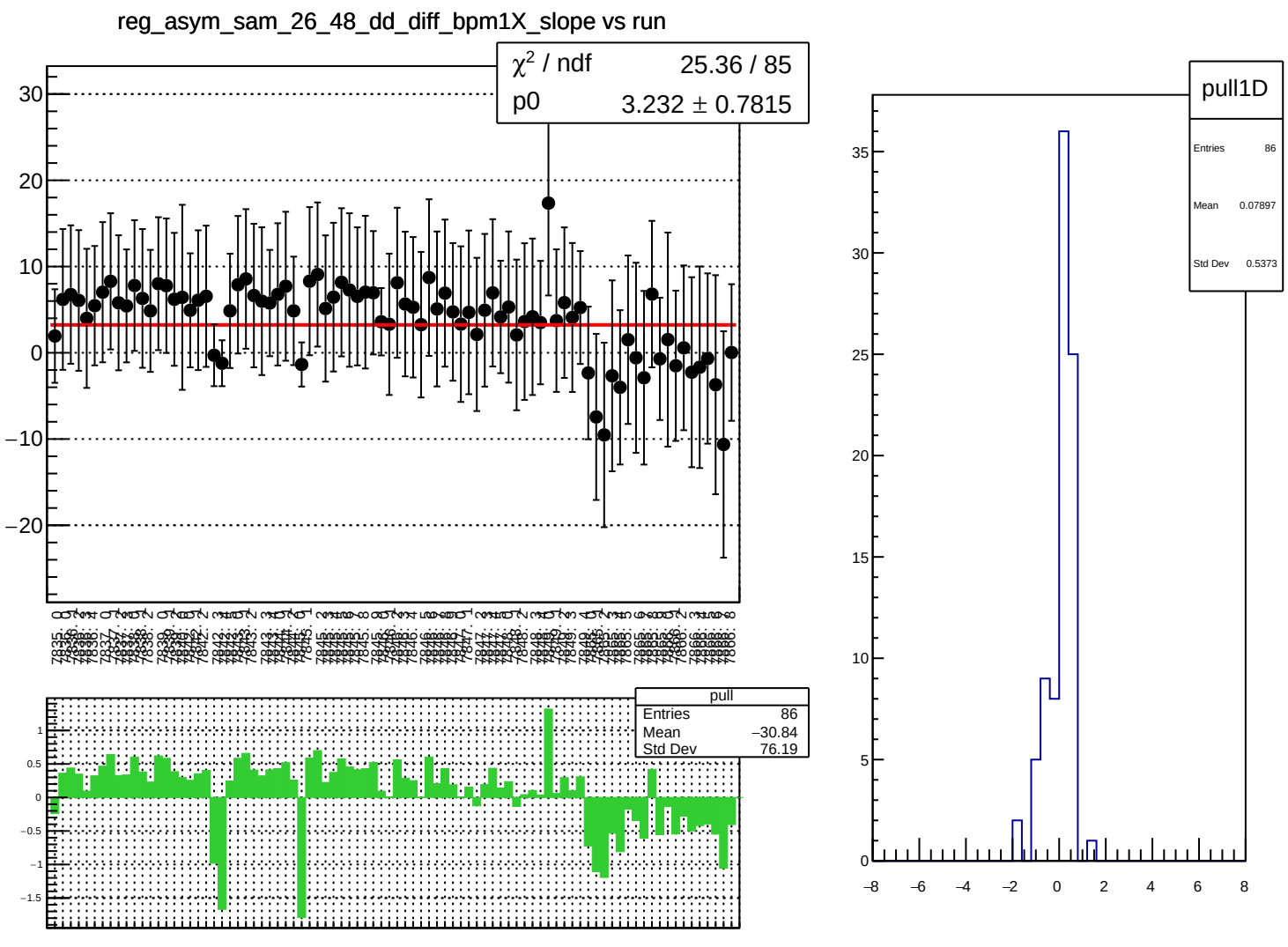

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.42 / 85
p0 −76.23 ± 3.477
pull
Entries 86
Mean 56.63
Std Dev 26.62

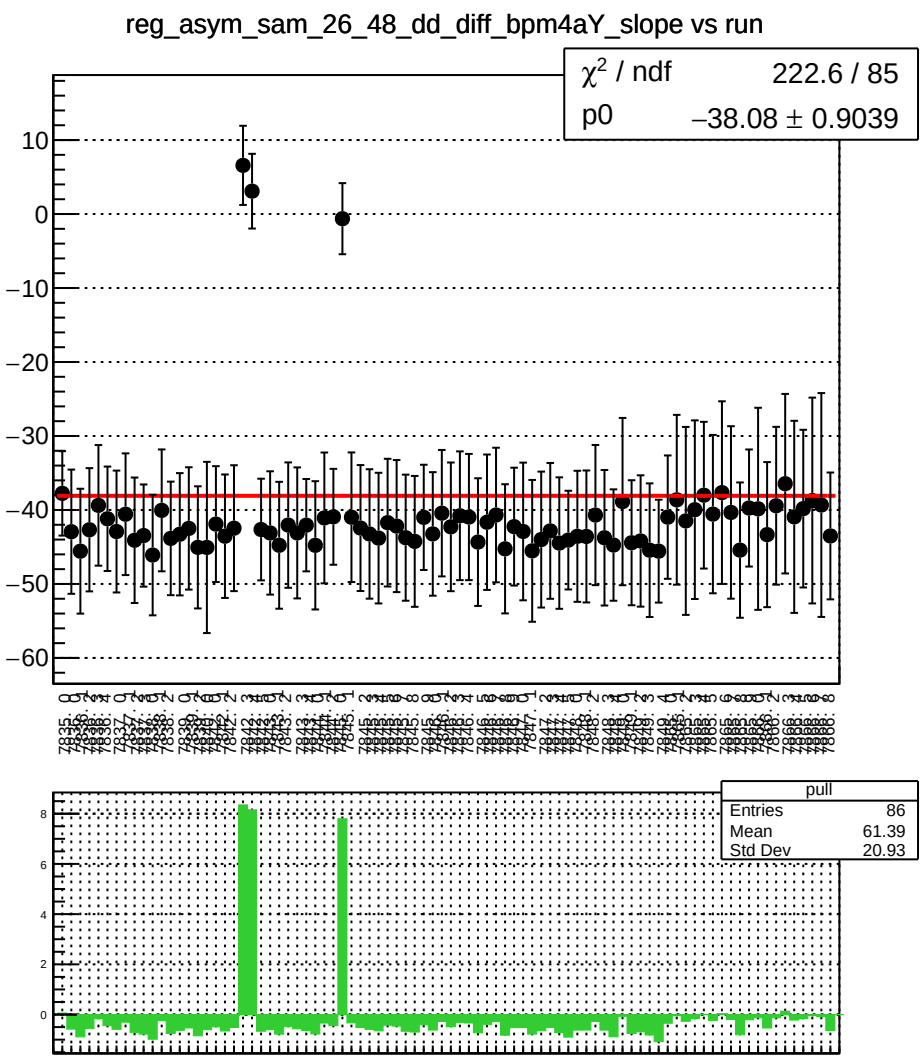

pull1D
Entries 86
Mean 0.3407
Std Dev 0.6857

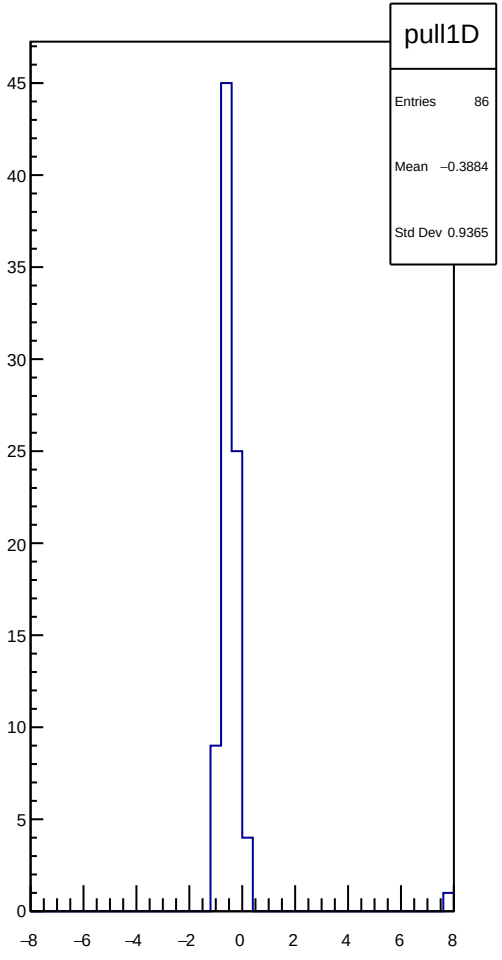

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.822 / 85
p0 15.64 ± 5.437
100
50
0
−50
−100
pull
Entries 86
Mean 373.6
Std Dev 314.2
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 86
Mean −0.008978
Std Dev 0.3202
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

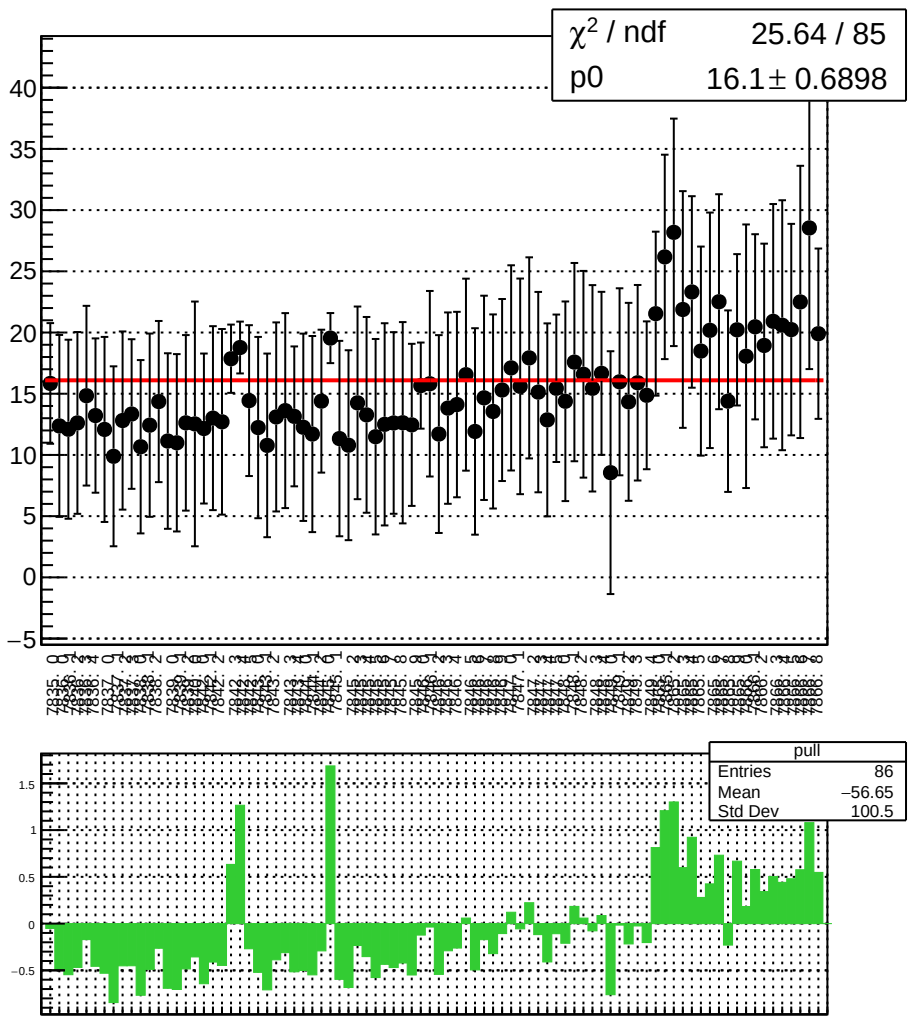

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 11.55 / 85
p0 −0.4278 ± 0.1627
pull
Entries 86
Mean 203.4
Std Dev 149.4

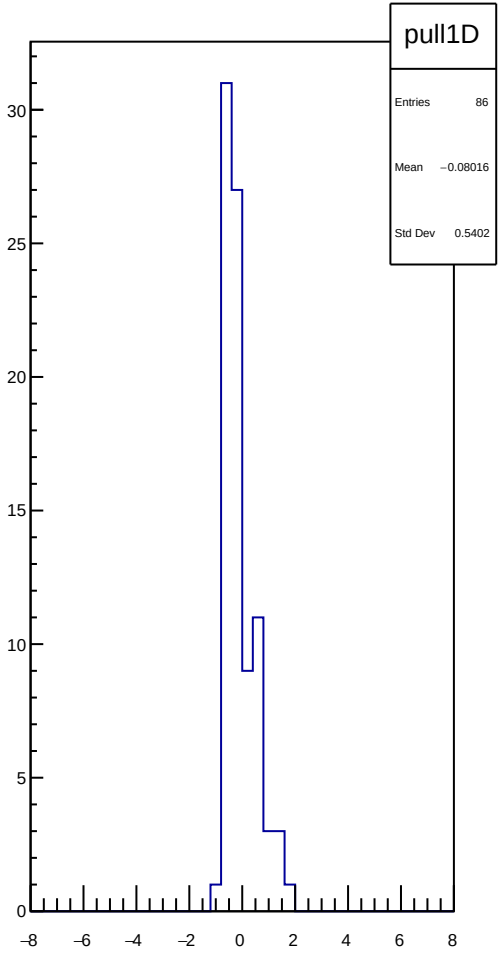

pull1D
Entries 86
Mean −0.03706
Std Dev 0.3647

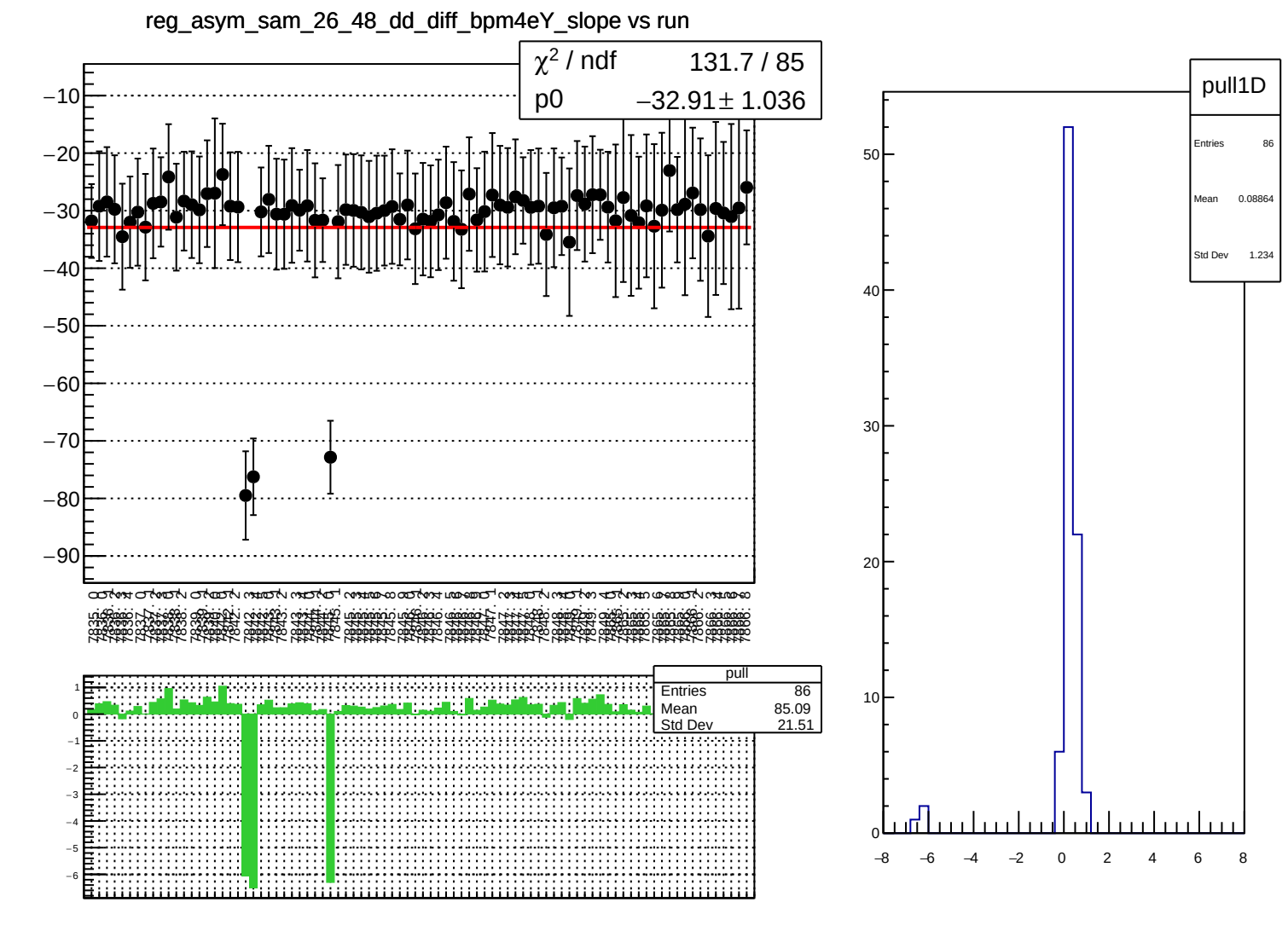

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 25.36 / 85
p0 3.232 ± 0.7815
pull
Entries 86
Mean −30.84
Std Dev 76.19
pull1D
Entries 86
Mean 0.07897
Std Dev 0.5373

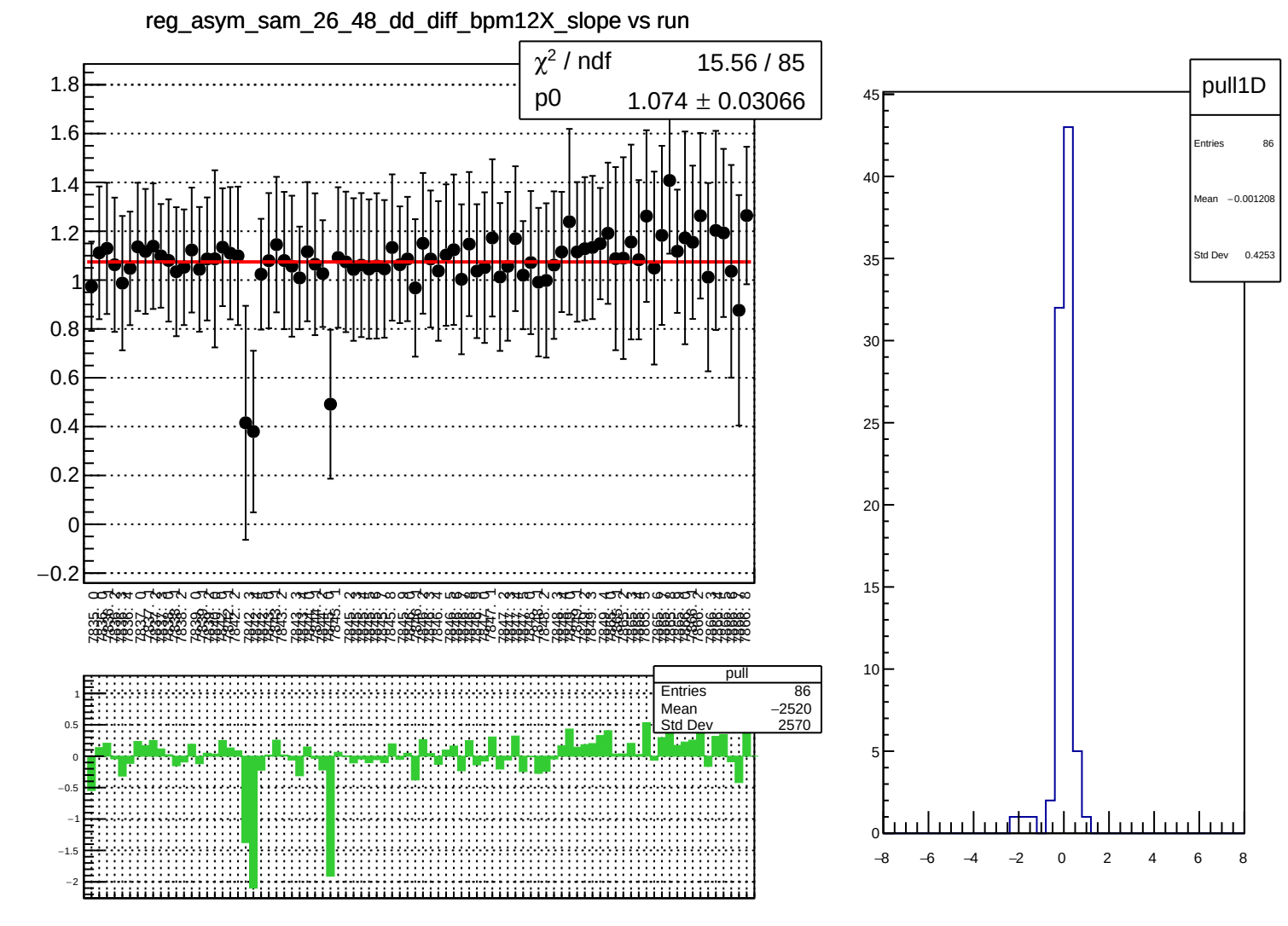

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 222.6 / 85
p0 −38.08 ± 0.9039
pull
Entries 86
Mean 61.39
Std Dev 20.93

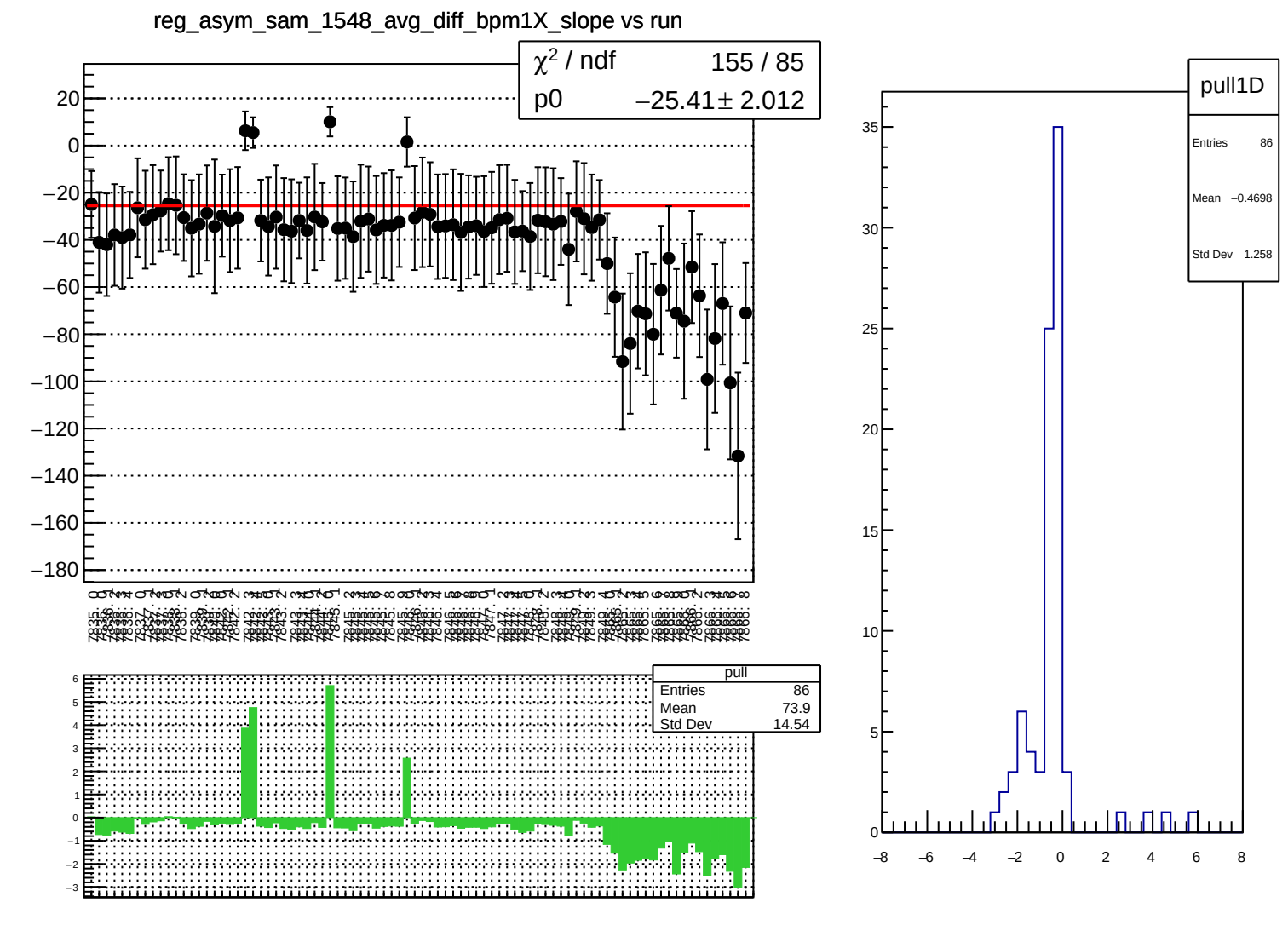

pull1D
Entries 86
Mean −0.3884
Std Dev 0.9365

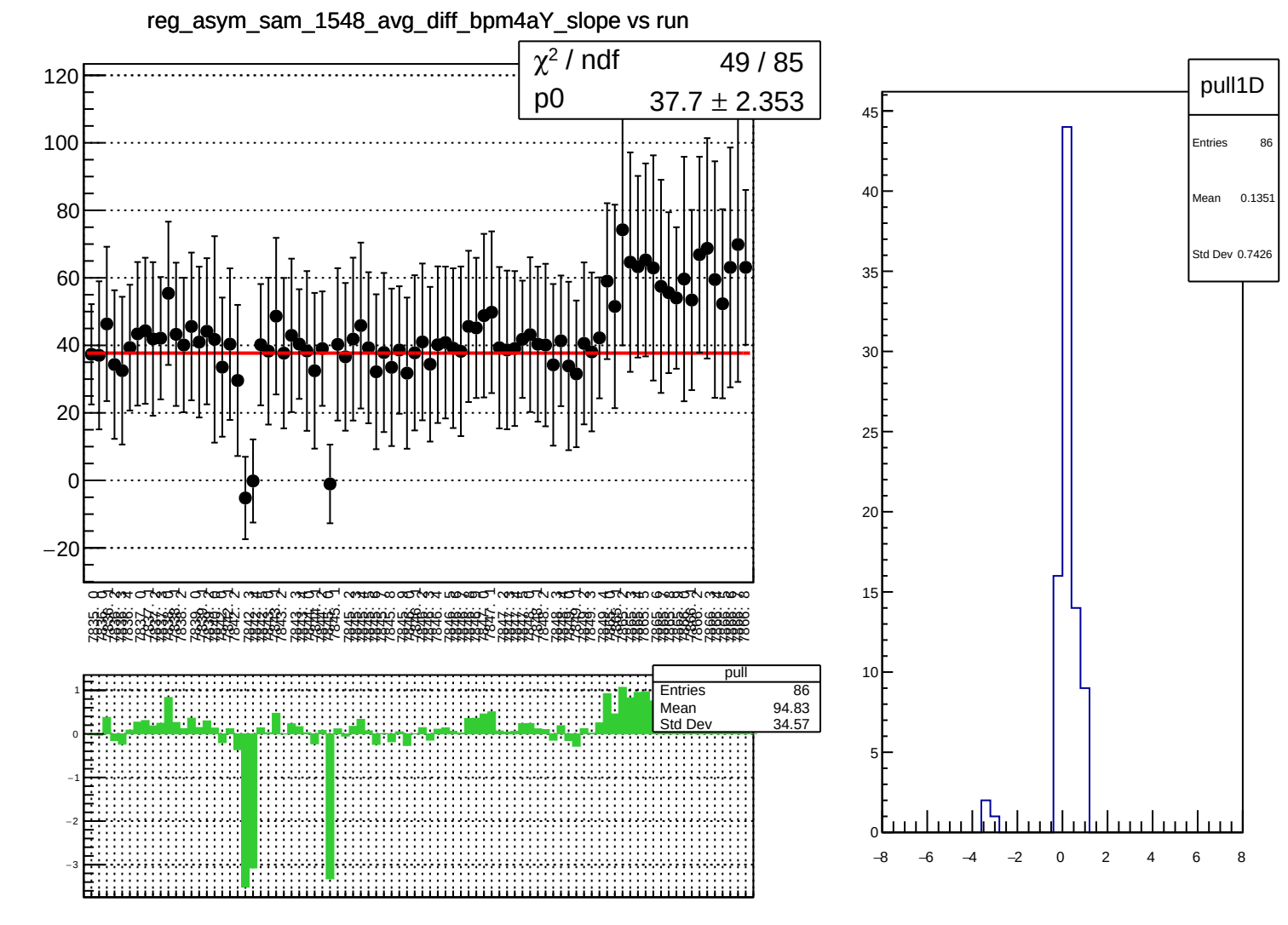

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.64 / 85
p0 16.1 ± 0.6898
pull
Entries 86
Mean −56.65
Std Dev 100.5

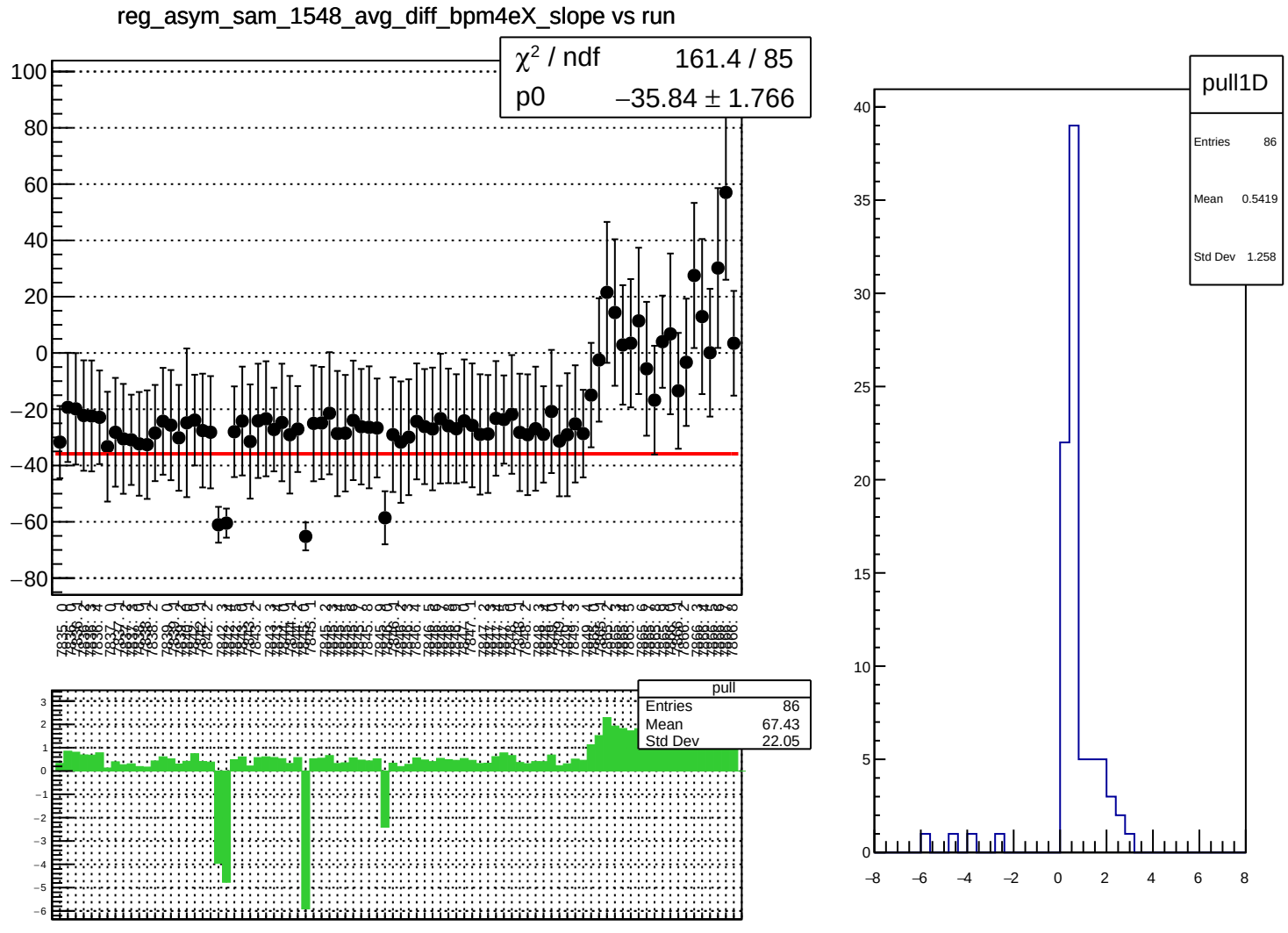

pull1D
Entries 86
Mean −0.08016
Std Dev 0.5402

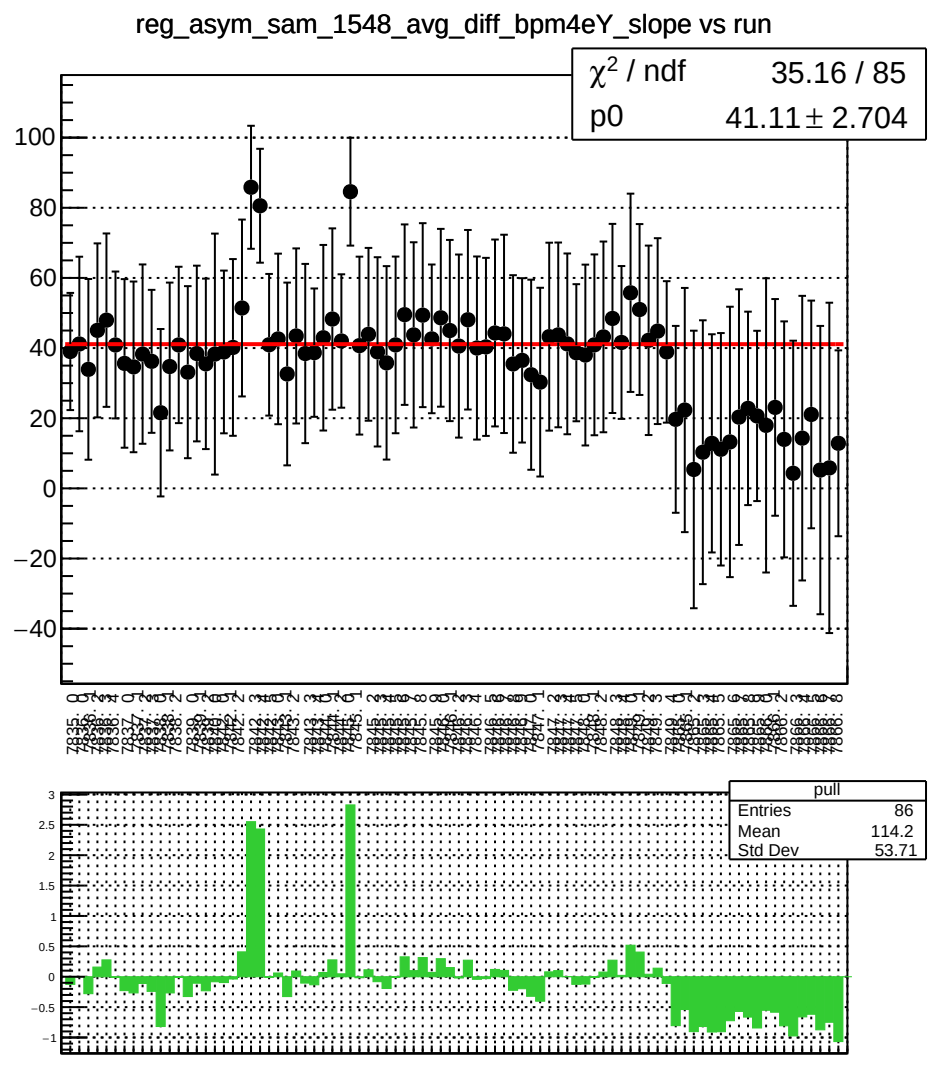

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 131.7 / 85
p0 −32.91 ± 1.036
pull
Entries 86
Mean 85.09
Std Dev 21.51
pull1D
Entries 86
Mean 0.08864
Std Dev 1.234

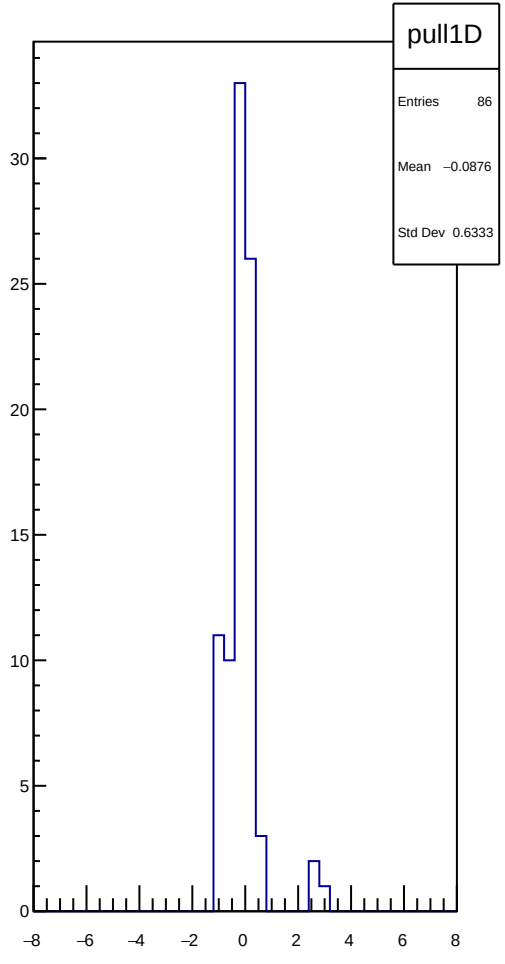

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.56 / 85
p0 1.074 ± 0.03066
pull
Entries 86
Mean −2520
Std Dev 2570
pull1D
Entries 86
Mean −0.001208
Std Dev 0.4253

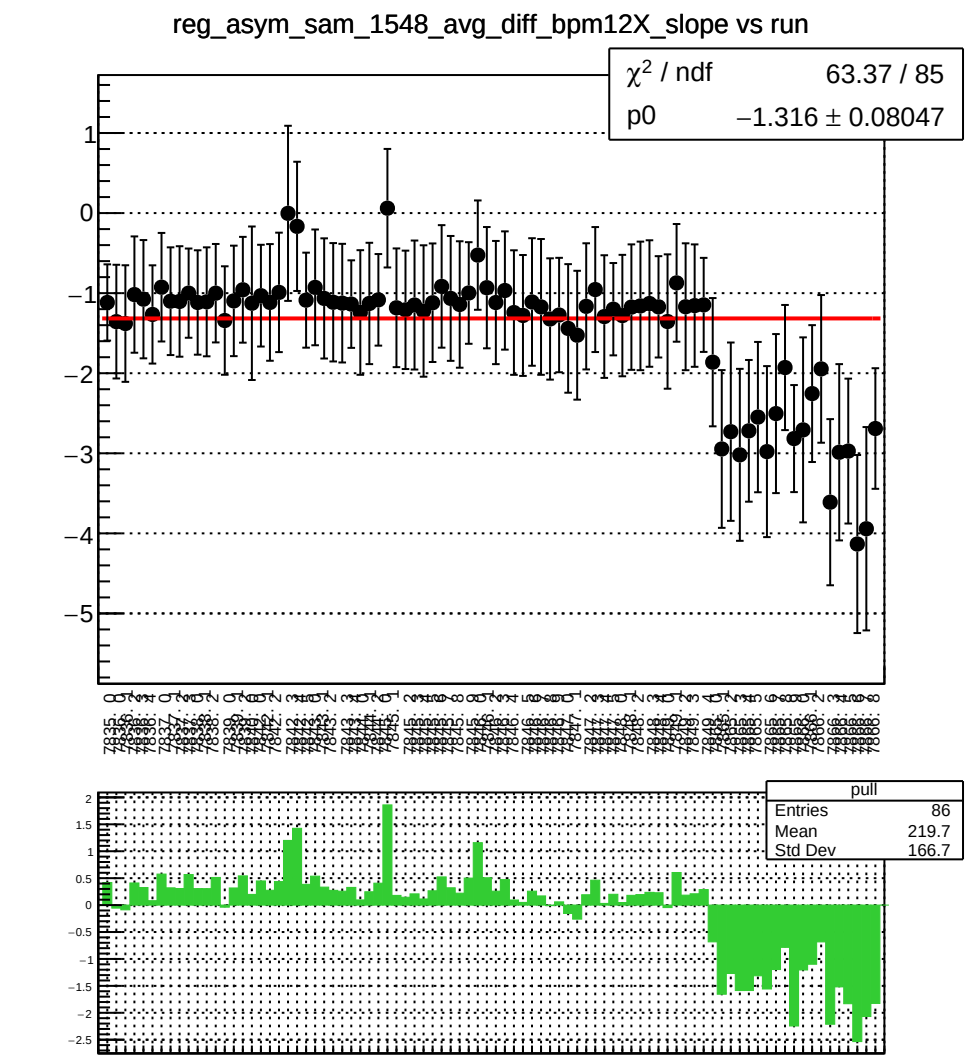

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 155 / 85
p0 −25.41 ± 2.012
pull
Entries 86
Mean 73.9
Std Dev 14.54
pull1D
Entries 86
Mean −0.4698
Std Dev 1.258

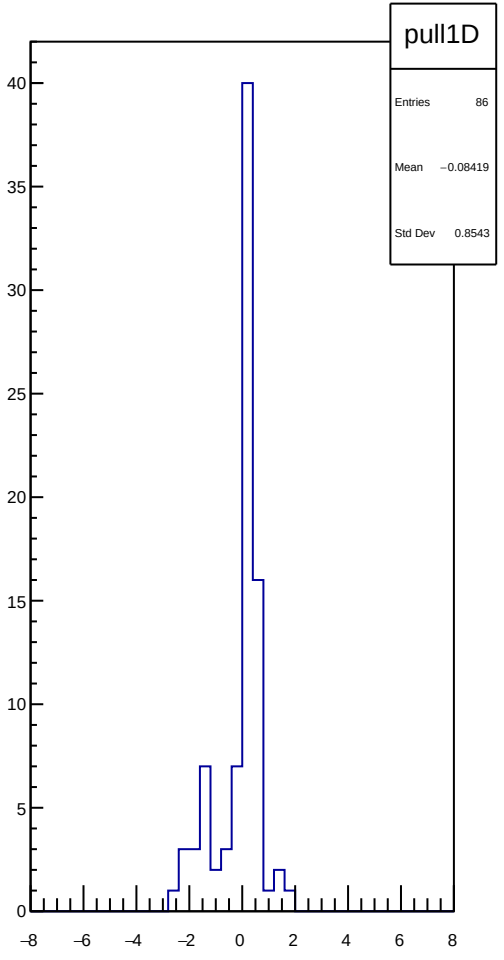

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 49 / 85
p0 37.7 ± 2.353
pull
Entries 86
Mean 94.83
Std Dev 34.57
pull1D
Entries 86
Mean 0.1351
Std Dev 0.7426

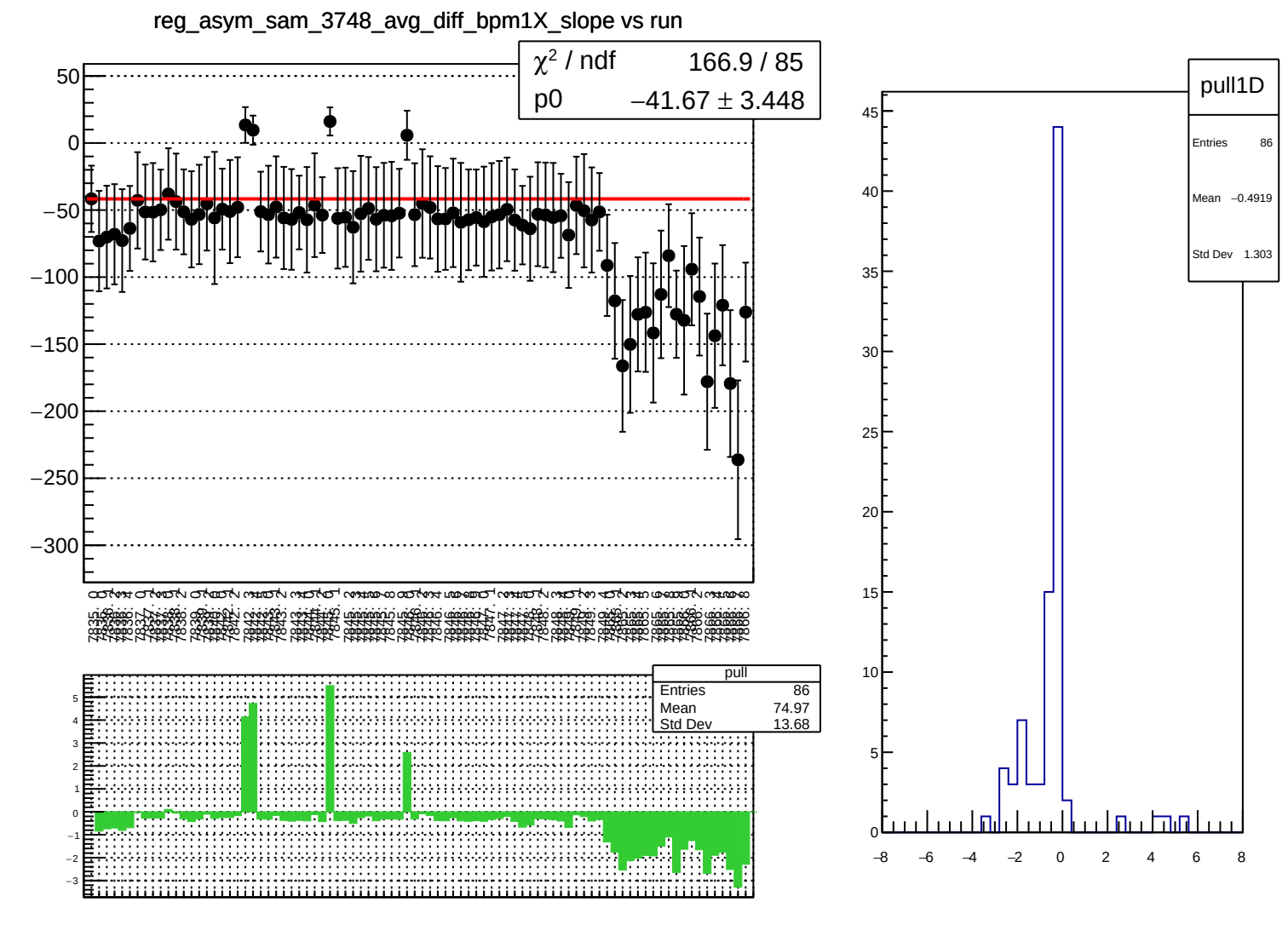

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 161.4 / 85
p0 −35.84 ± 1.766
pull
Entries 86
Mean 67.43
Std Dev 22.05
pull1D
Entries 86
Mean 0.5419
Std Dev 1.258

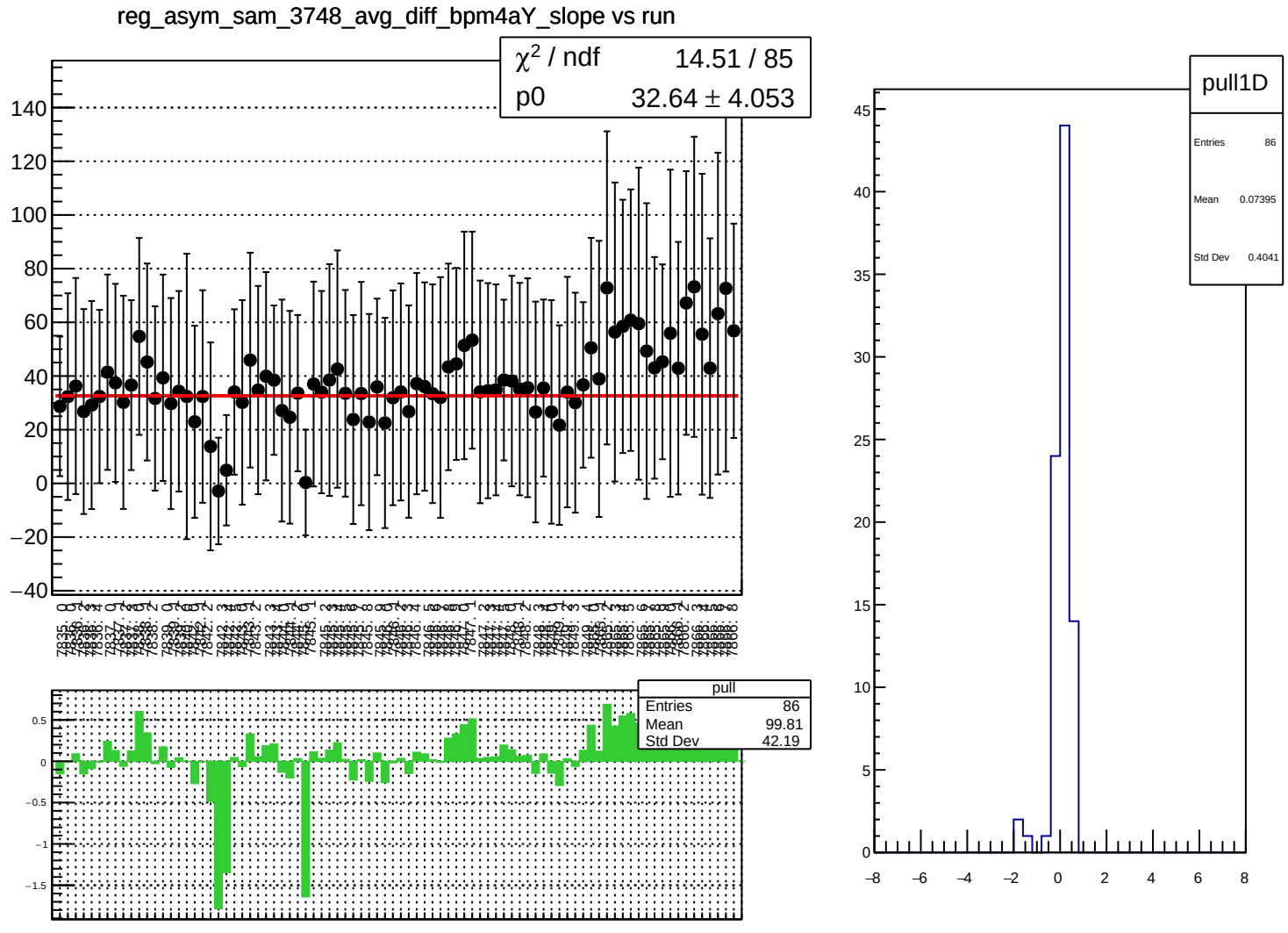

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.16 / 85
p0 41.11 ± 2.704
pull
Entries 86
Mean 114.2
Std Dev 53.71

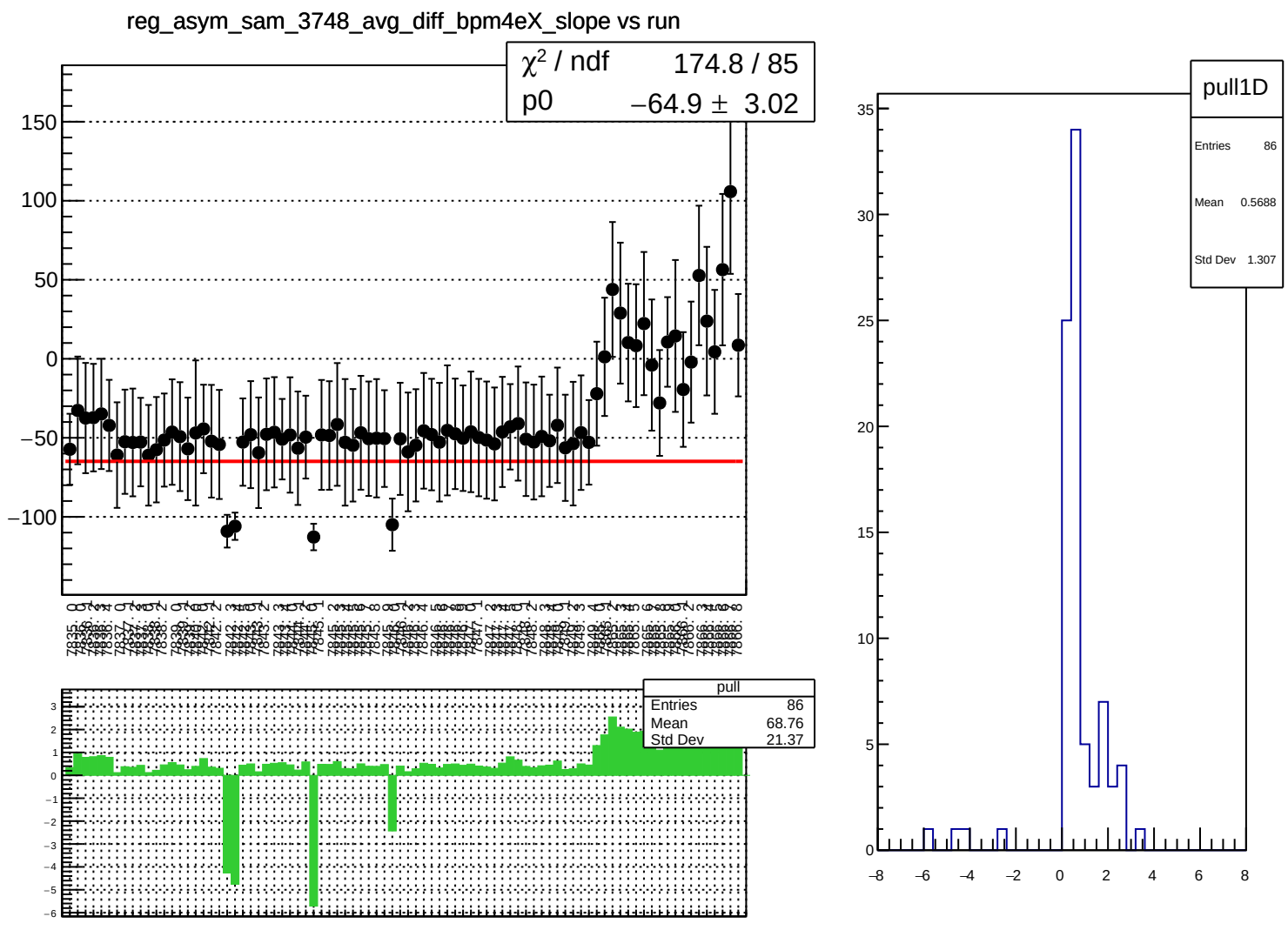

pull1D
Entries 86
Mean −0.0876
Std Dev 0.6333

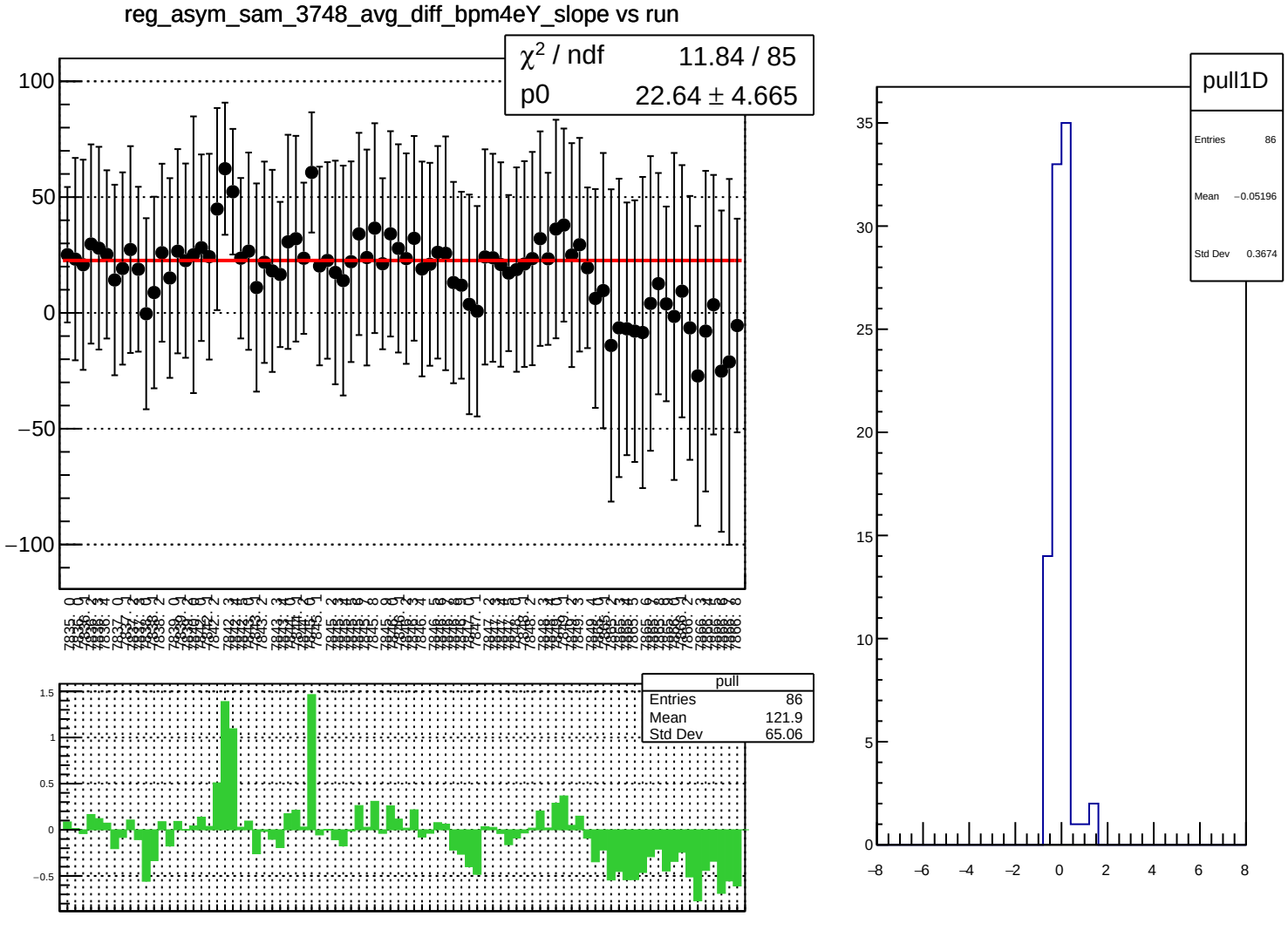

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 63.37 / 85
p0 −1.316 ± 0.08047
pull
Entries 86
Mean 219.7
Std Dev 166.7

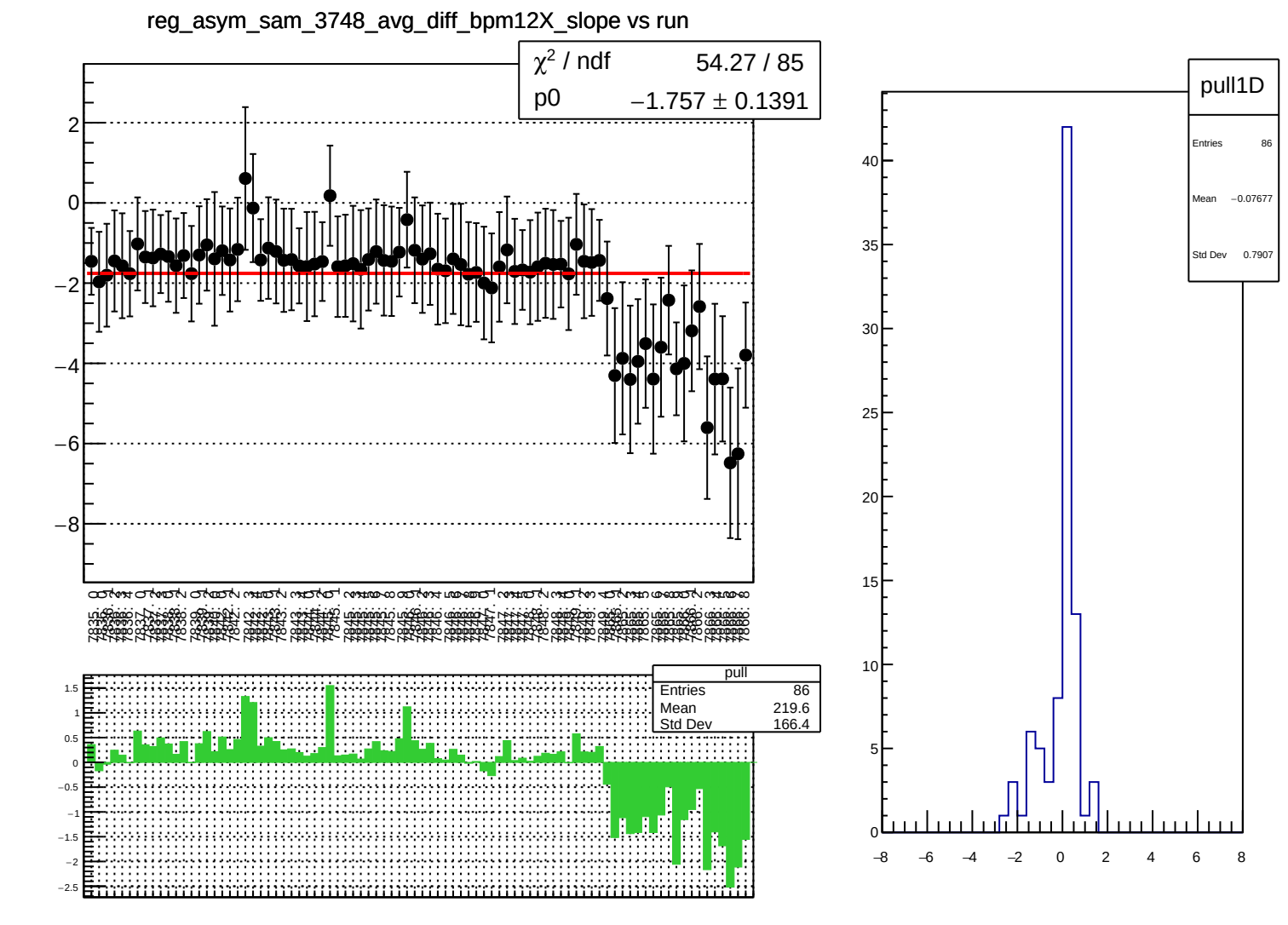

pull1D
Entries 86
Mean −0.08419
Std Dev 0.8543

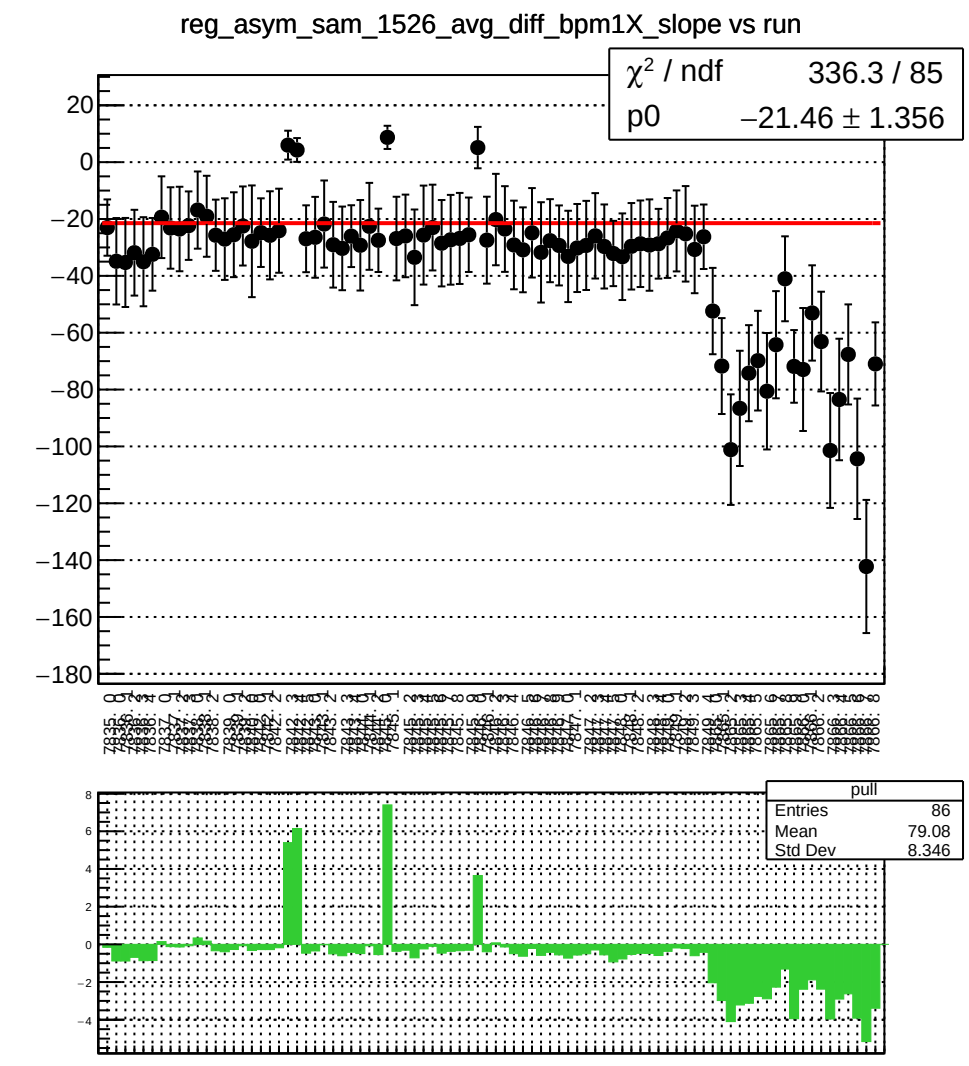

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 166.9 / 85
p0 −41.67 ± 3.448
pull
Entries 86
Mean 74.97
Std Dev 13.68
pull1D
Entries 86
Mean −0.4919
Std Dev 1.303

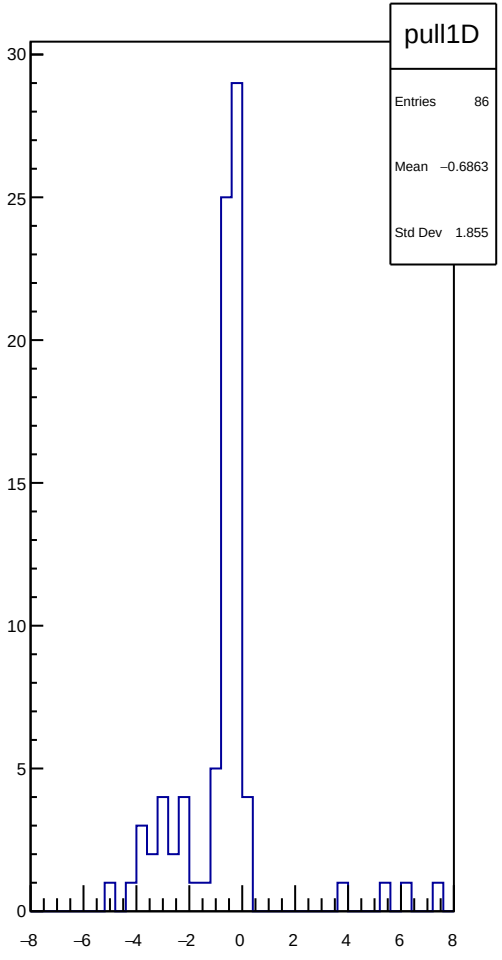

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.51 / 85
p0 32.64 ± 4.053
pull
Entries 86
Mean 99.81
Std Dev 42.19
pull1D
Entries 86
Mean 0.07395
Std Dev 0.4041

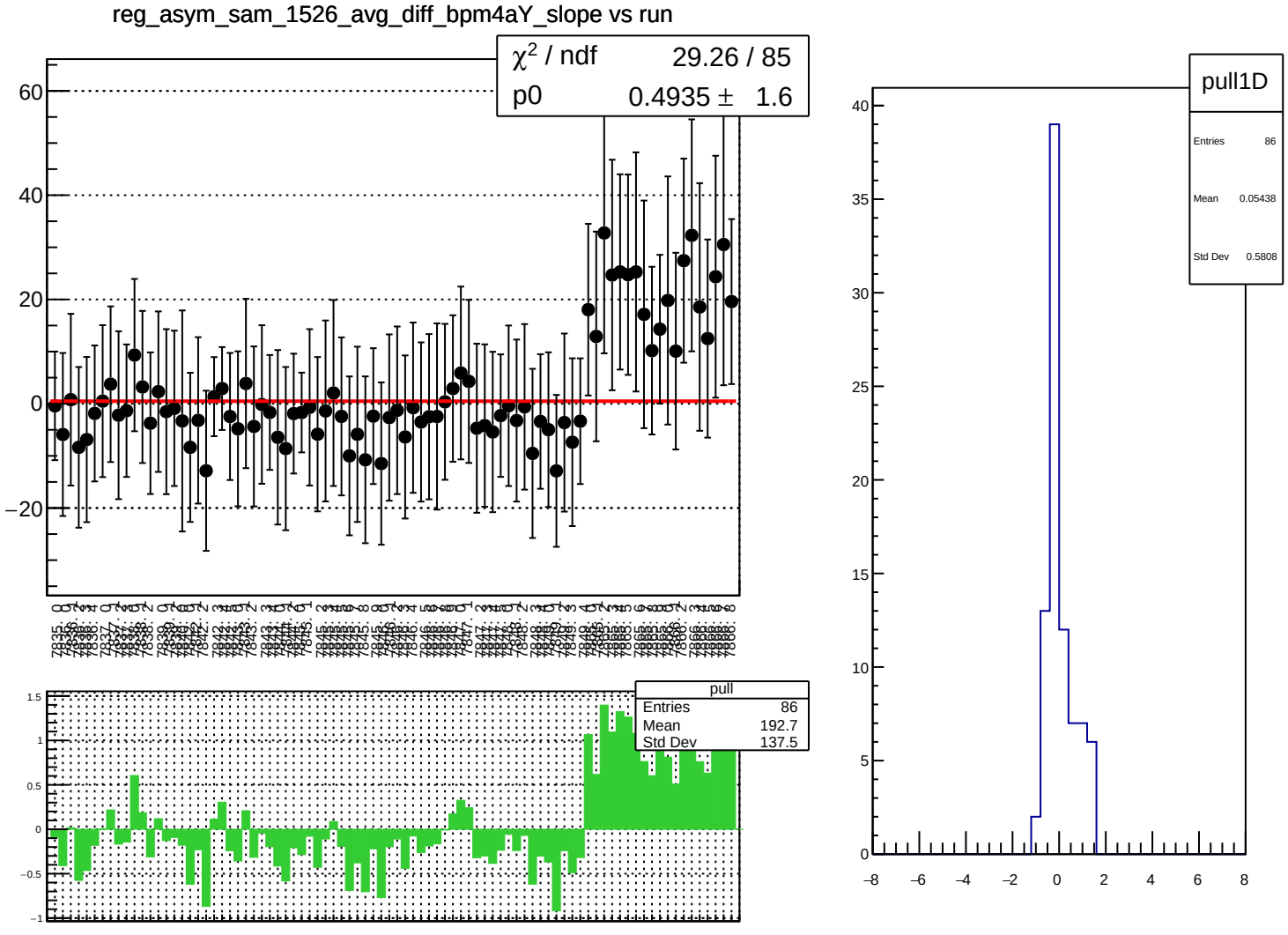

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 174.8 / 85
p0 −64.9 ± 3.02
150
100
50
0
−50
−100
pull
Entries 86
Mean 68.76
Std Dev 21.37
pull1D
Entries 86
Mean 0.5688
Std Dev 1.307
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

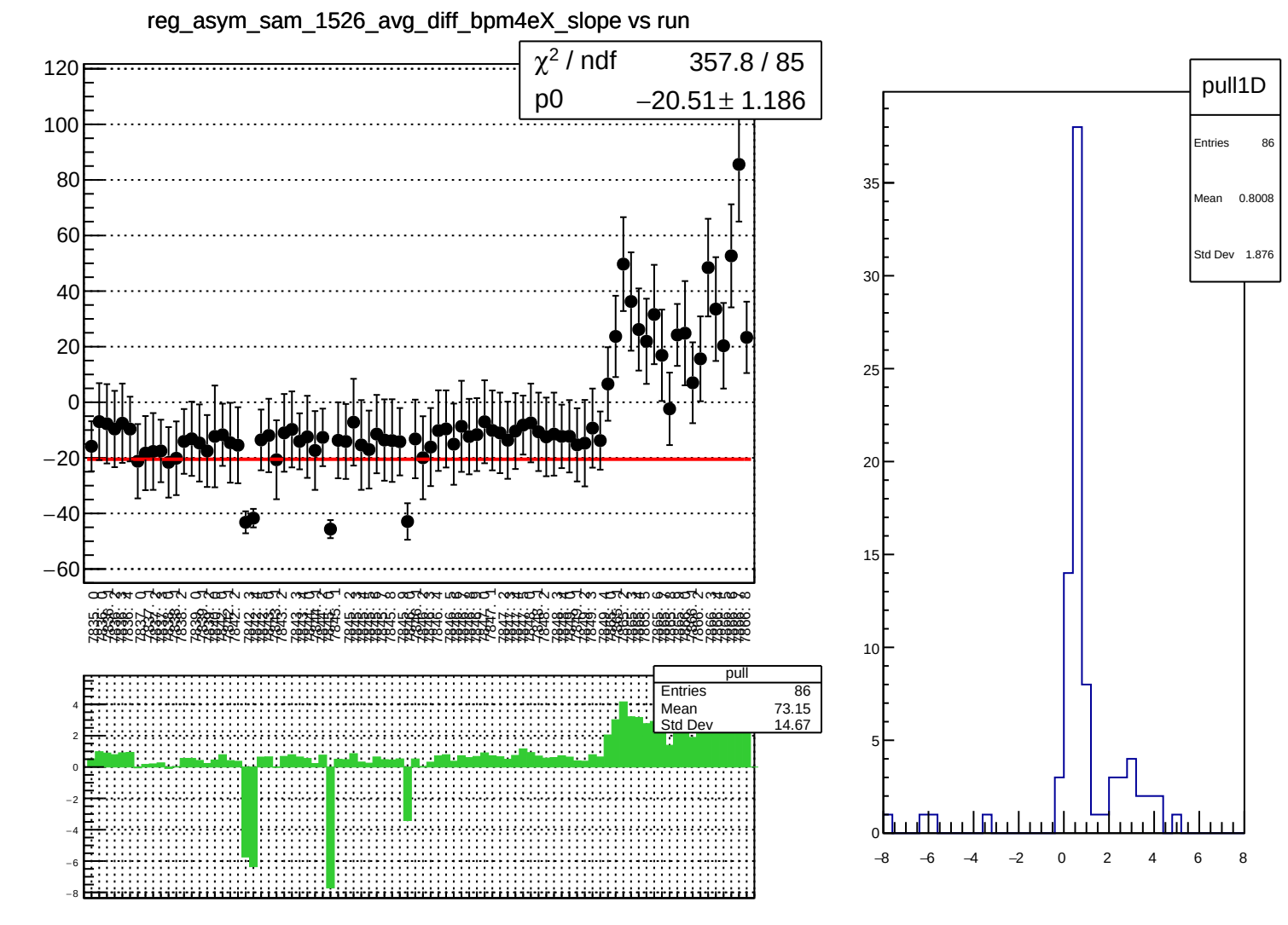

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.84 / 85
p0 22.64 ± 4.665
100
50
0
−50
−100
pull
Entries 86
Mean 121.9
Std Dev 65.06
1.5
1
0.5
0
−0.5
pull1D
Entries 86
Mean −0.05196
Std Dev 0.3674
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

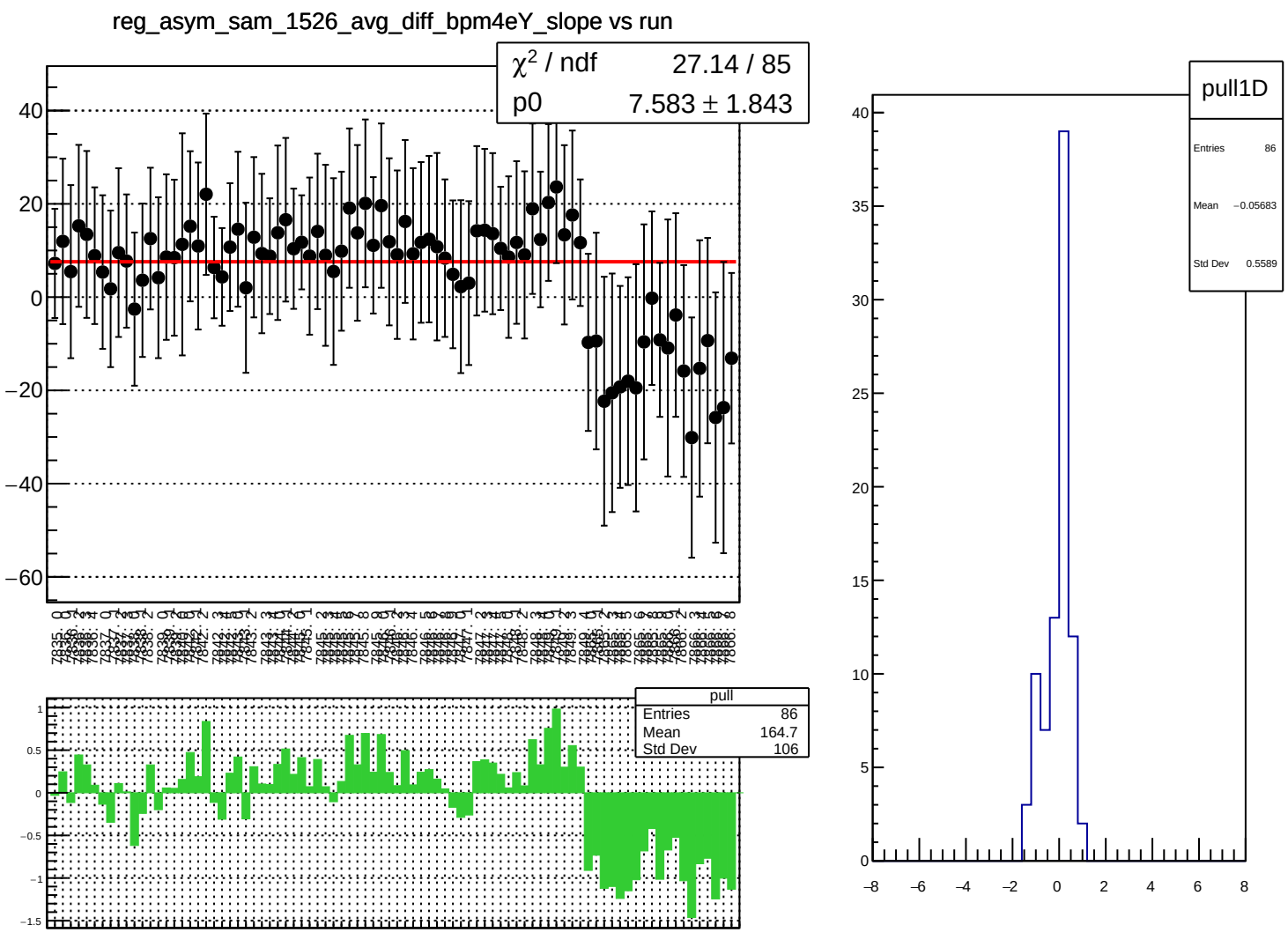

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 54.27 / 85
p0 −1.757 ± 0.1391
pull
Entries 86
Mean 219.6
Std Dev 166.4
pull1D
Entries 86
Mean −0.07677
Std Dev 0.7907

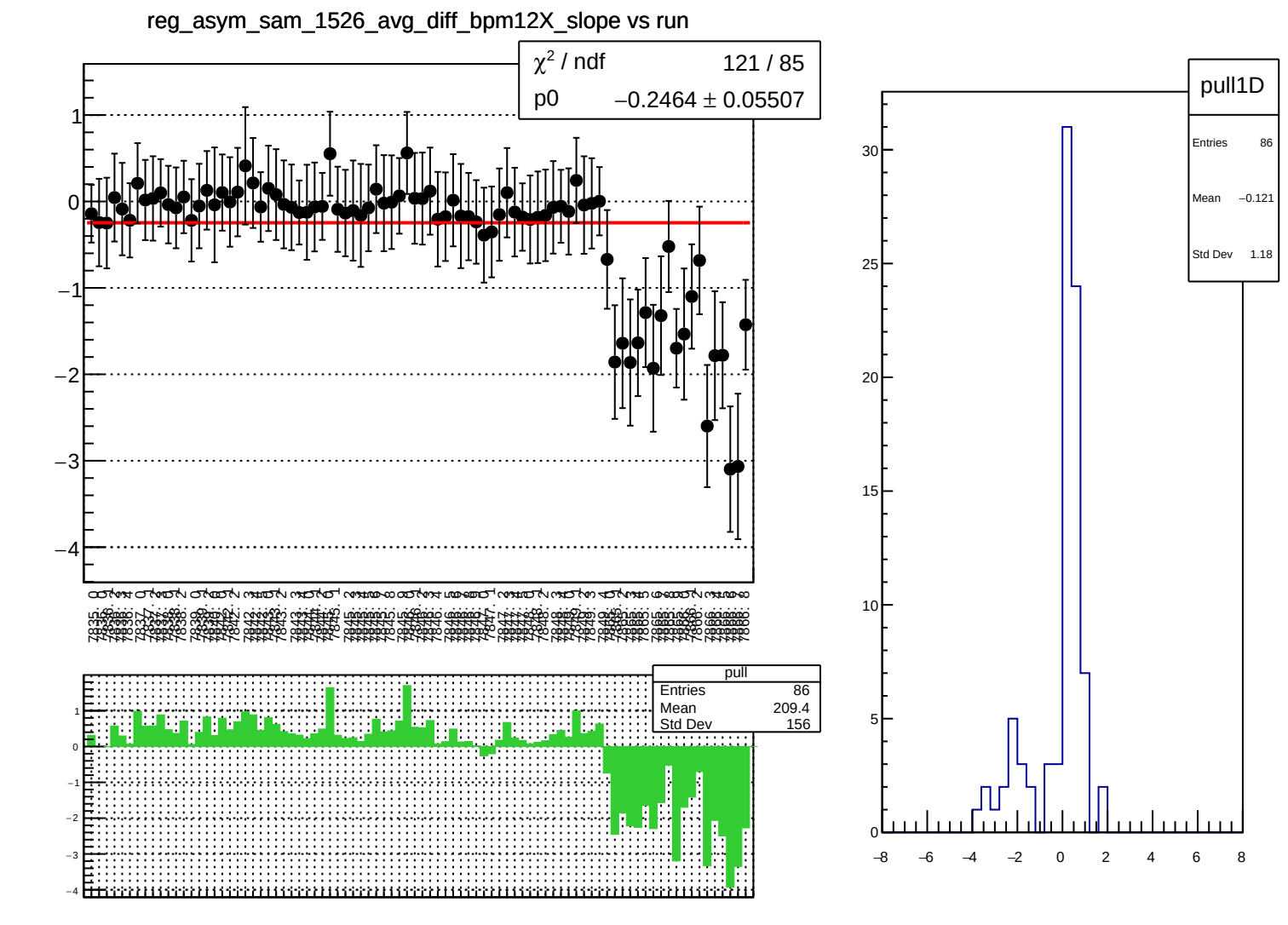

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 336.3 / 85
p0 −21.46 ± 1.356
pull
Entries 86
Mean 79.08
Std Dev 8.346

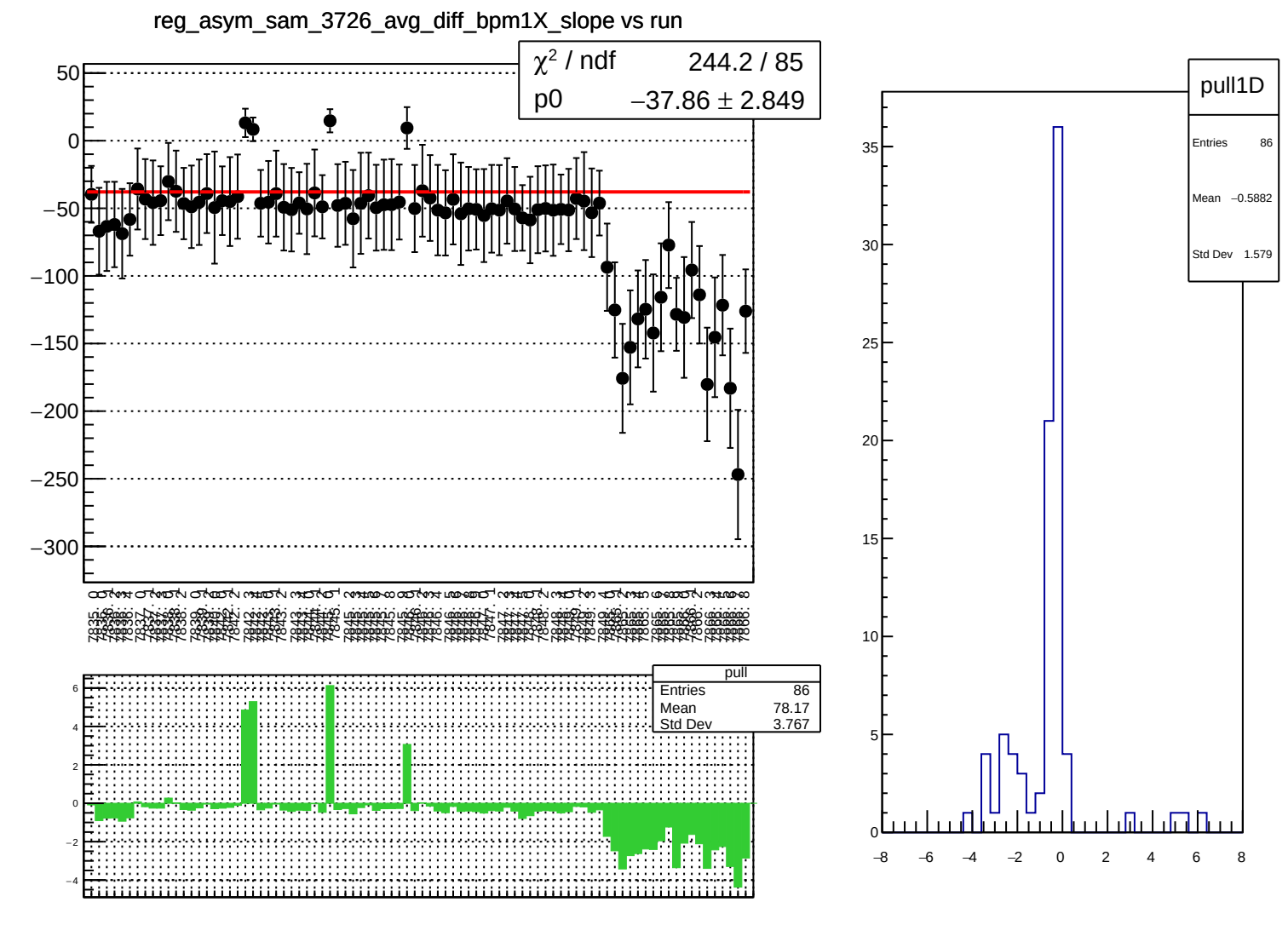

pull1D
Entries 86
Mean −0.6863
Std Dev 1.855

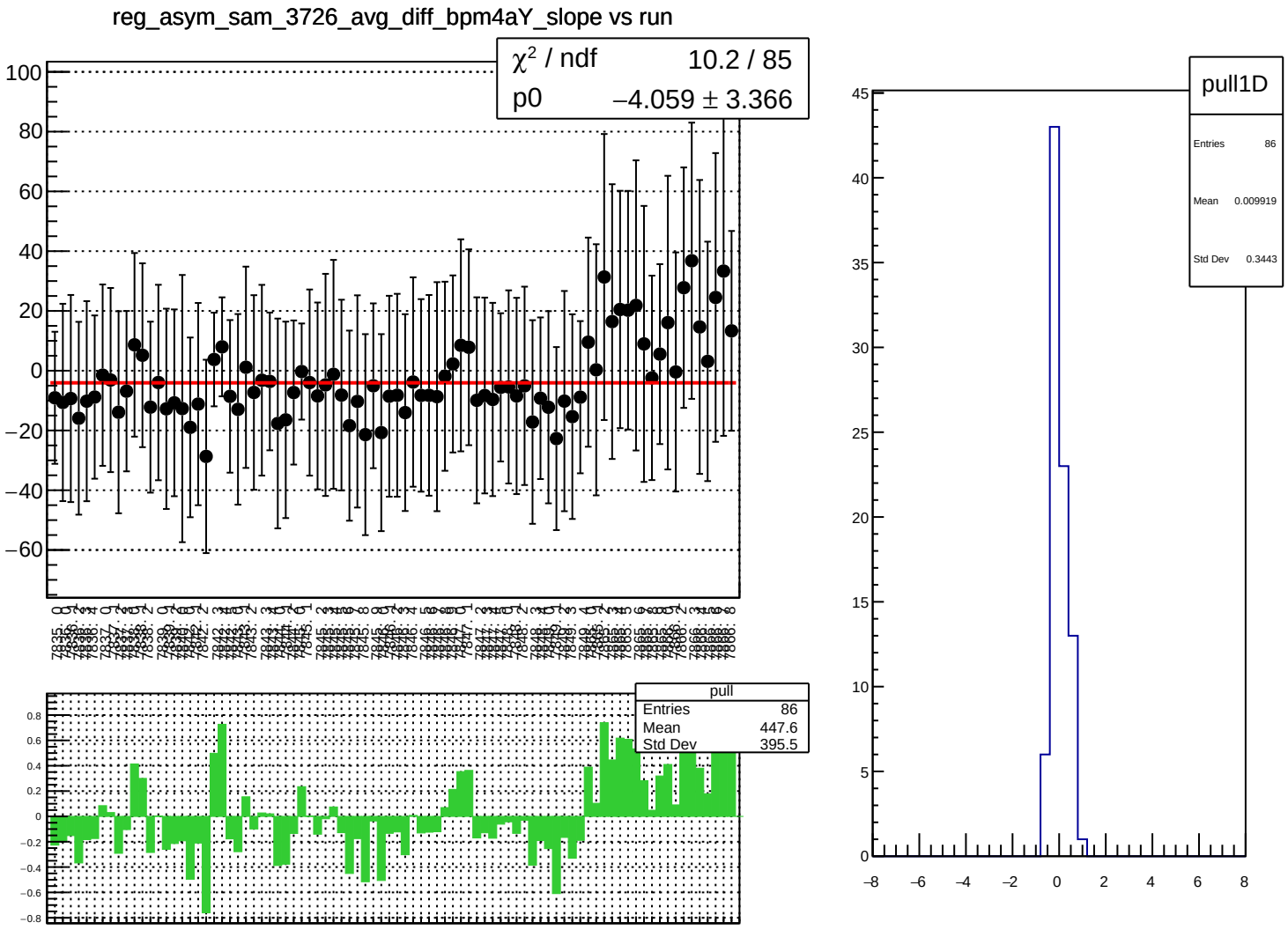

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.26 / 85
p0 0.4935 ± 1.6
pull
Entries 86
Mean 192.7
Std Dev 137.5
pull1D
Entries 86
Mean 0.05438
Std Dev 0.5808

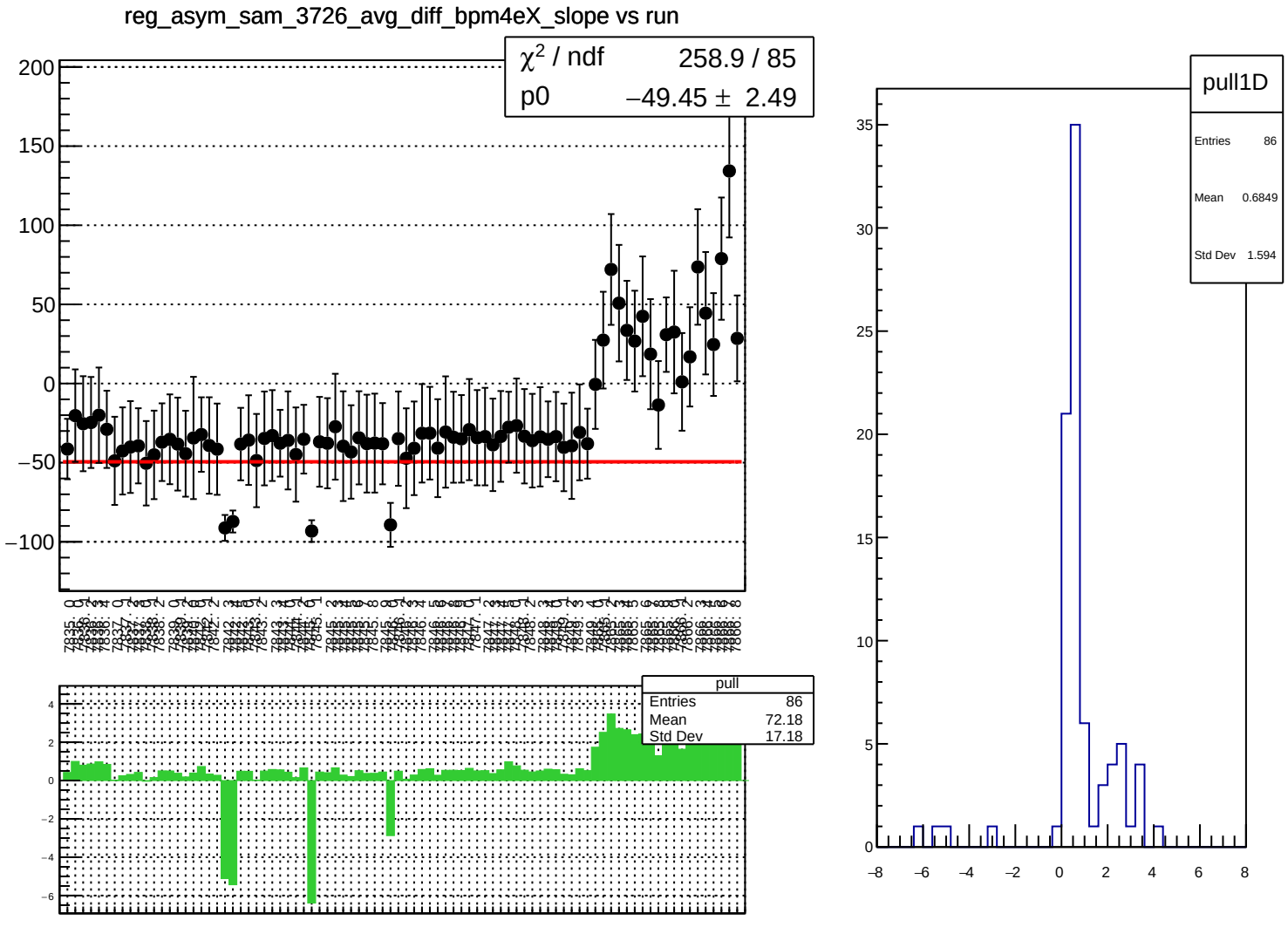

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 357.8 / 85
p0 −20.51± 1.186
pull
Entries 86
Mean 73.15
Std Dev 14.67
pull1D
Entries 86
Mean 0.8008
Std Dev 1.876

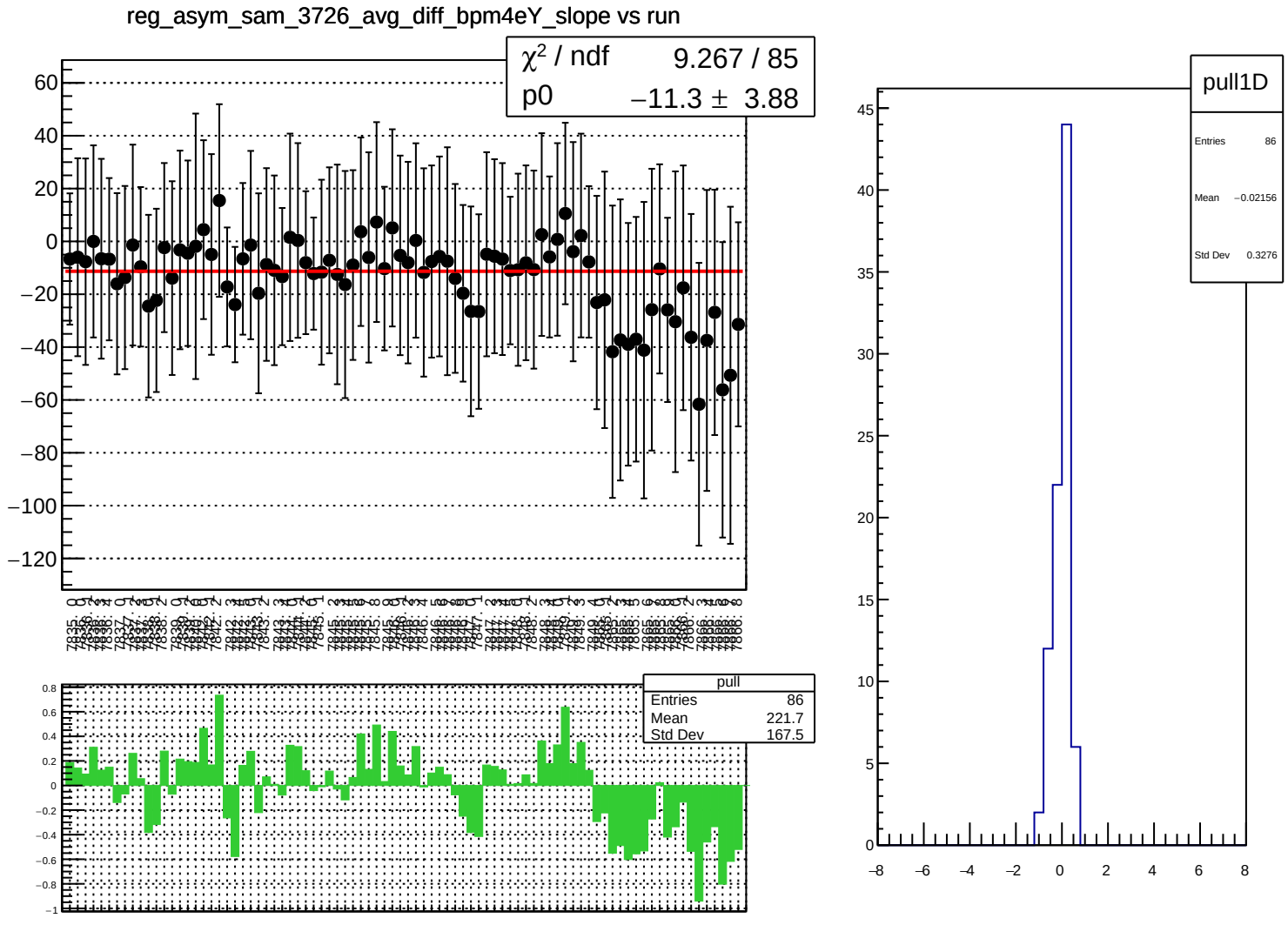

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.14 / 85
p0 7.583 ± 1.843
pull
Entries 86
Mean 164.7
Std Dev 106
pull1D
Entries 86
Mean −0.05683
Std Dev 0.5589

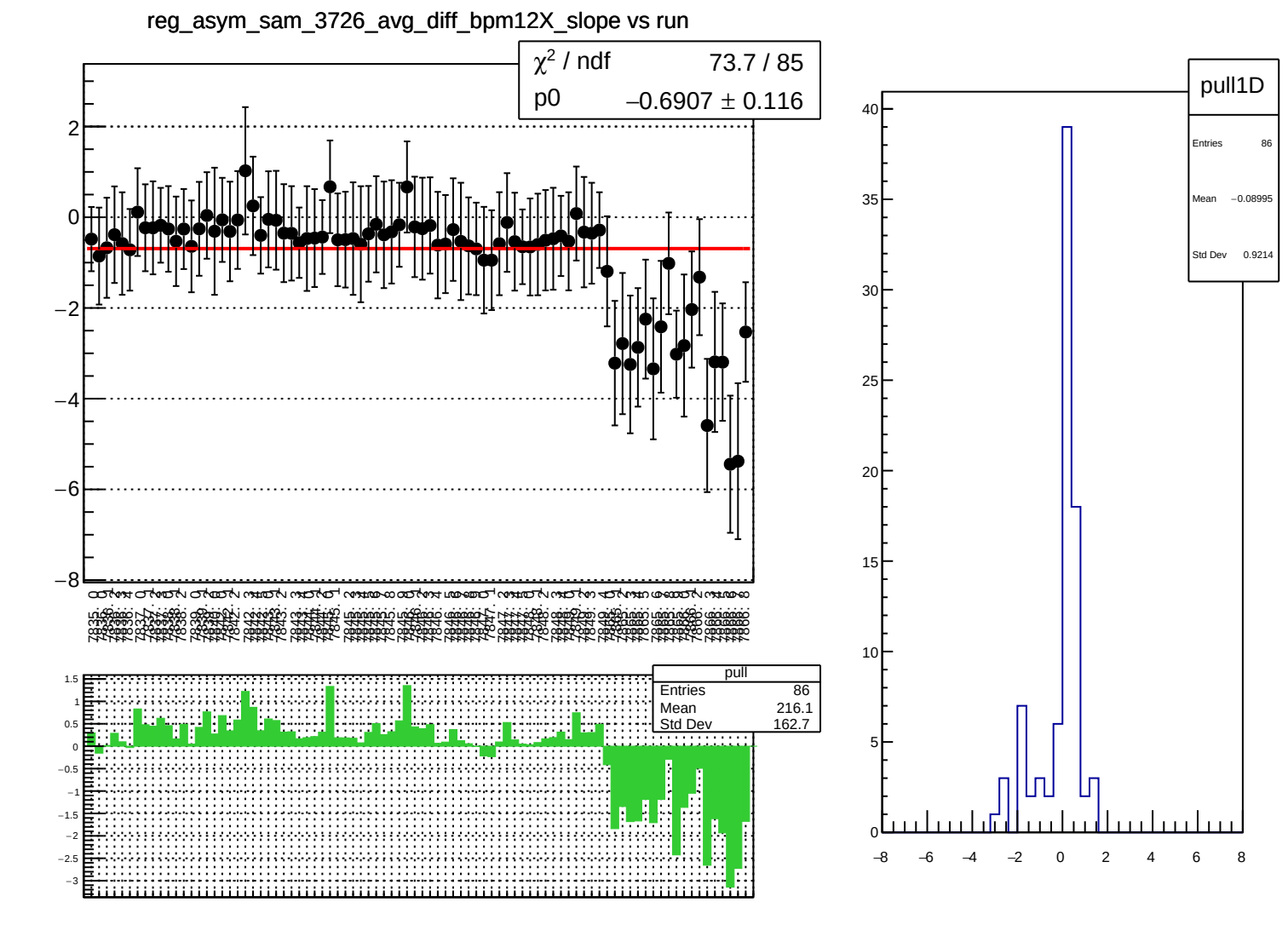

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 121 / 85
p0 −0.2464 ± 0.05507
pull
Entries 86
Mean 209.4
Std Dev 156
pull1D
Entries 86
Mean −0.121
Std Dev 1.18

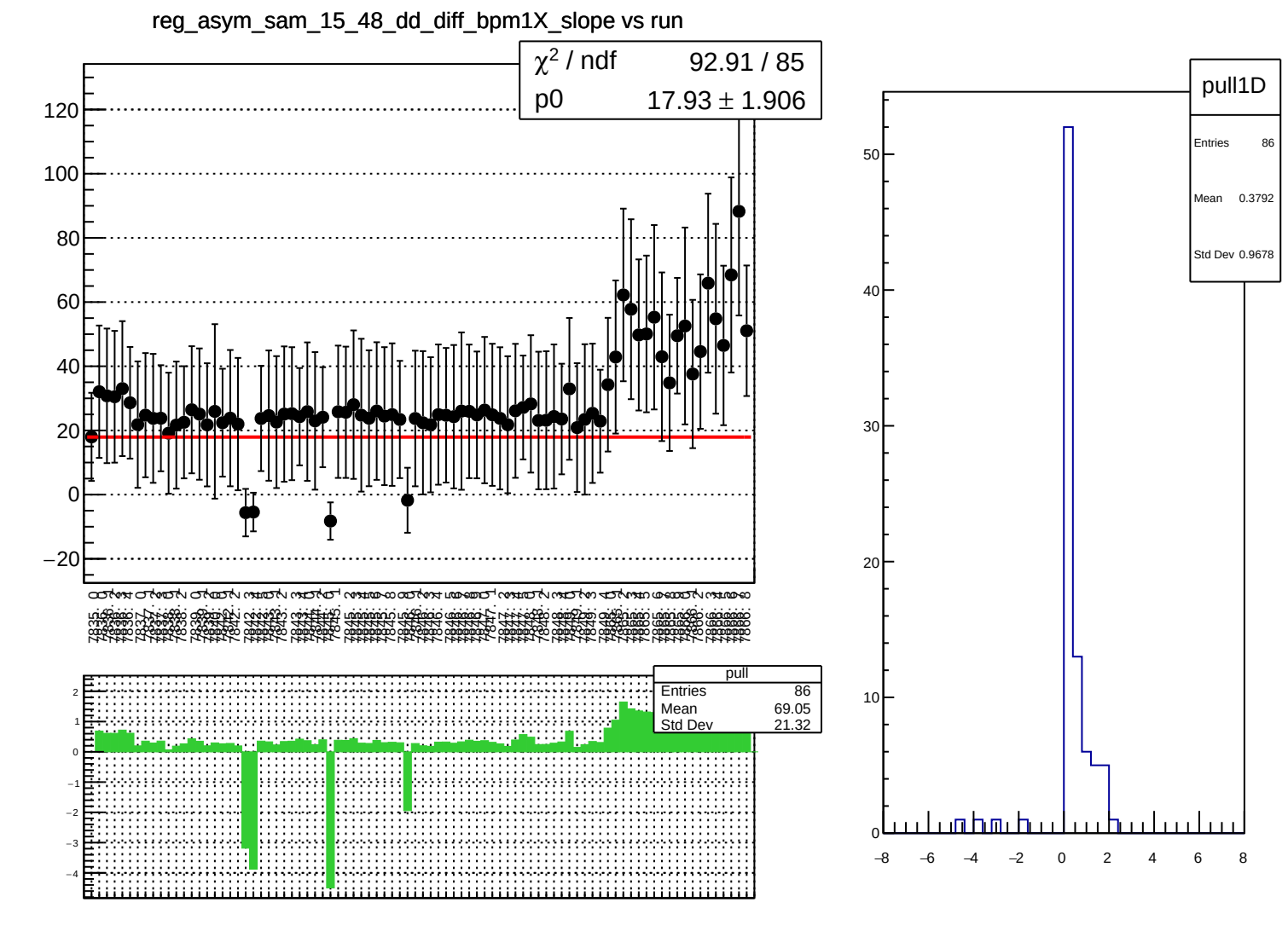

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 244.2 / 85
p0 −37.86 ± 2.849
pull
Entries 86
Mean 78.17
Std Dev 3.767
pull1D
Entries 86
Mean −0.5882
Std Dev 1.579

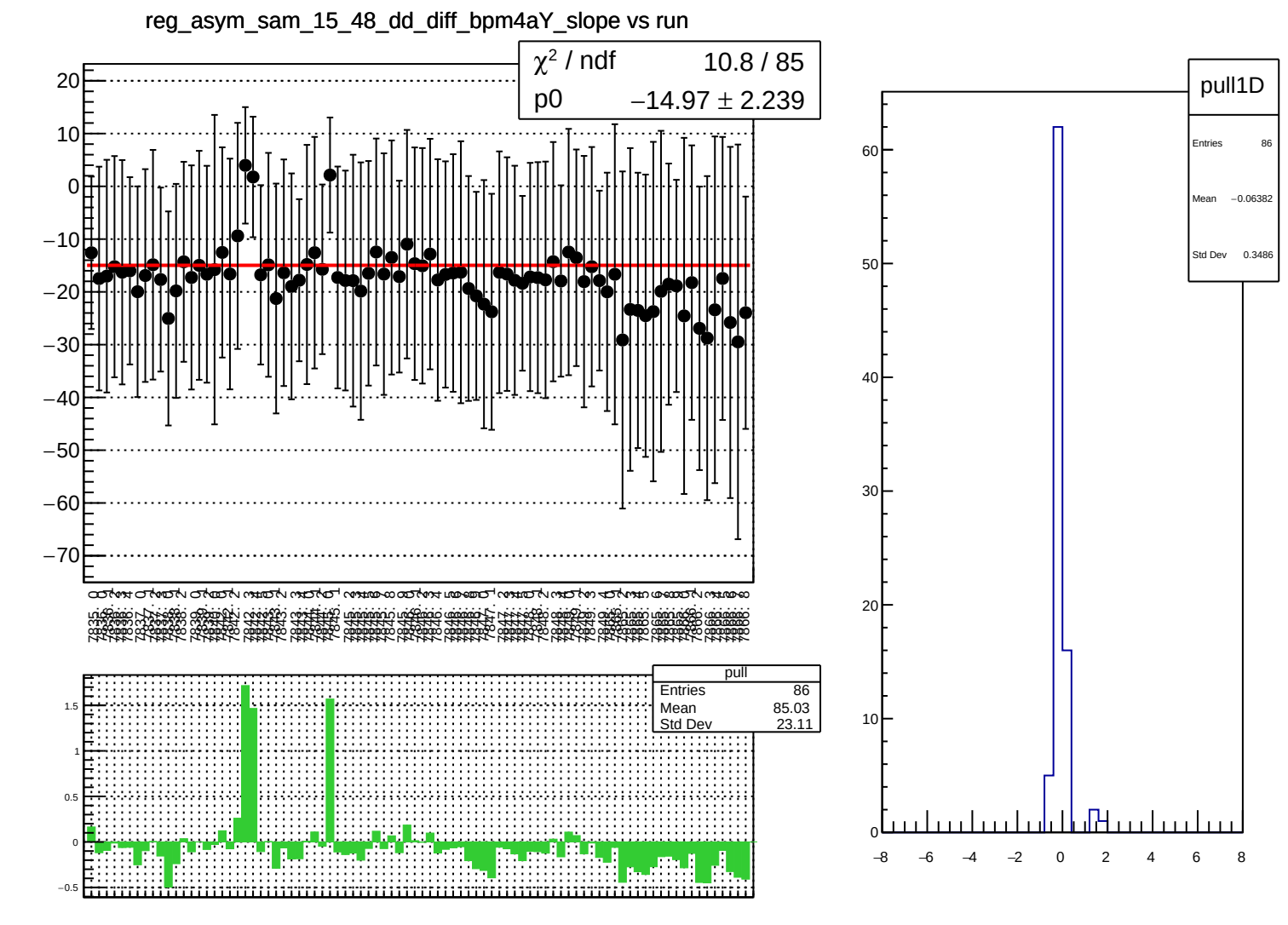

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.2 / 85
p0 −4.059 ± 3.366
pull
Entries 86
Mean 447.6
Std Dev 395.5
pull1D
Entries 86
Mean 0.009919
Std Dev 0.3443

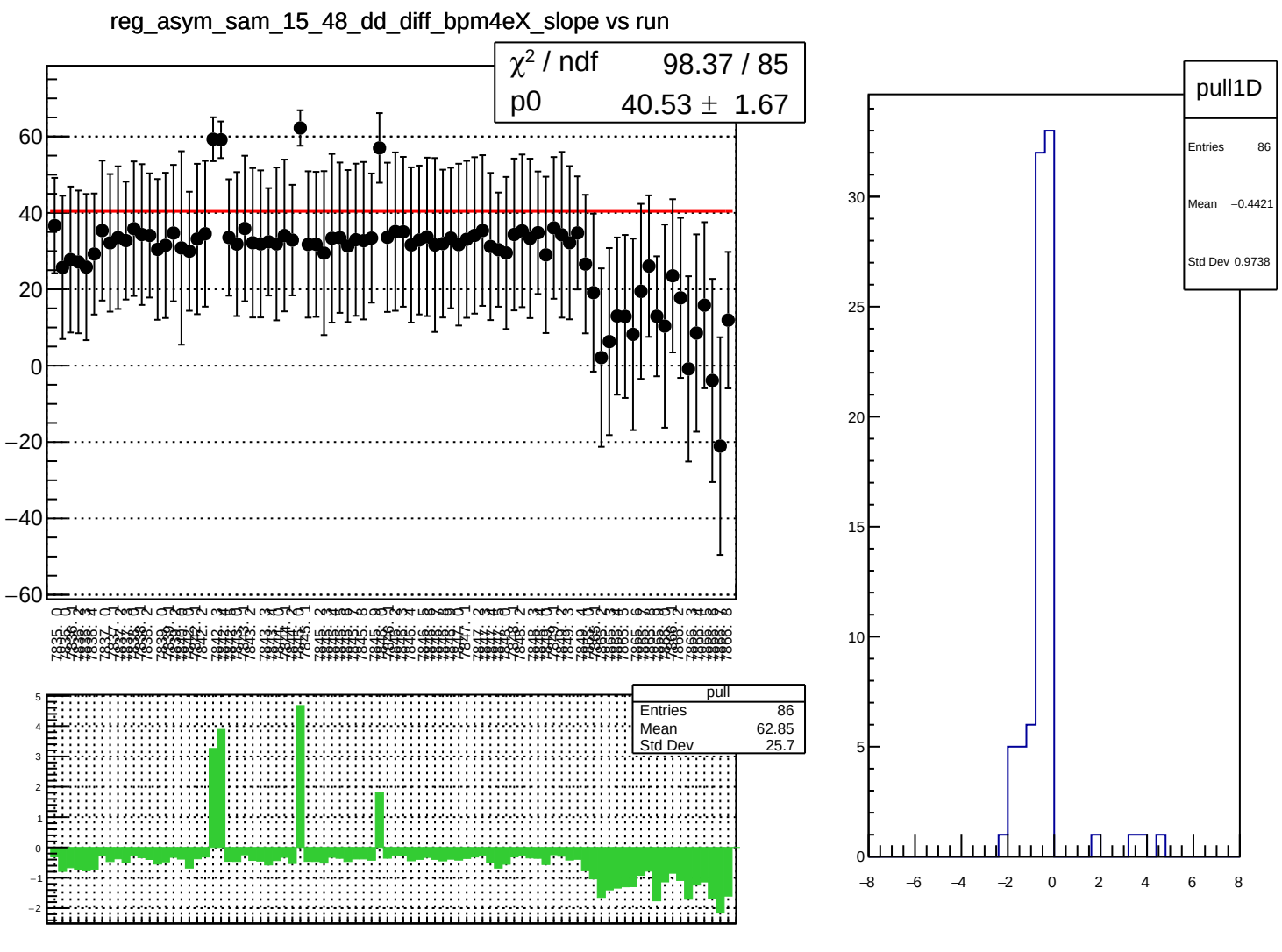

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 258.9 / 85
p0 −49.45 ± 2.49
pull
Entries 86
Mean 72.18
Std Dev 17.18
pull1D
Entries 86
Mean 0.6849
Std Dev 1.594

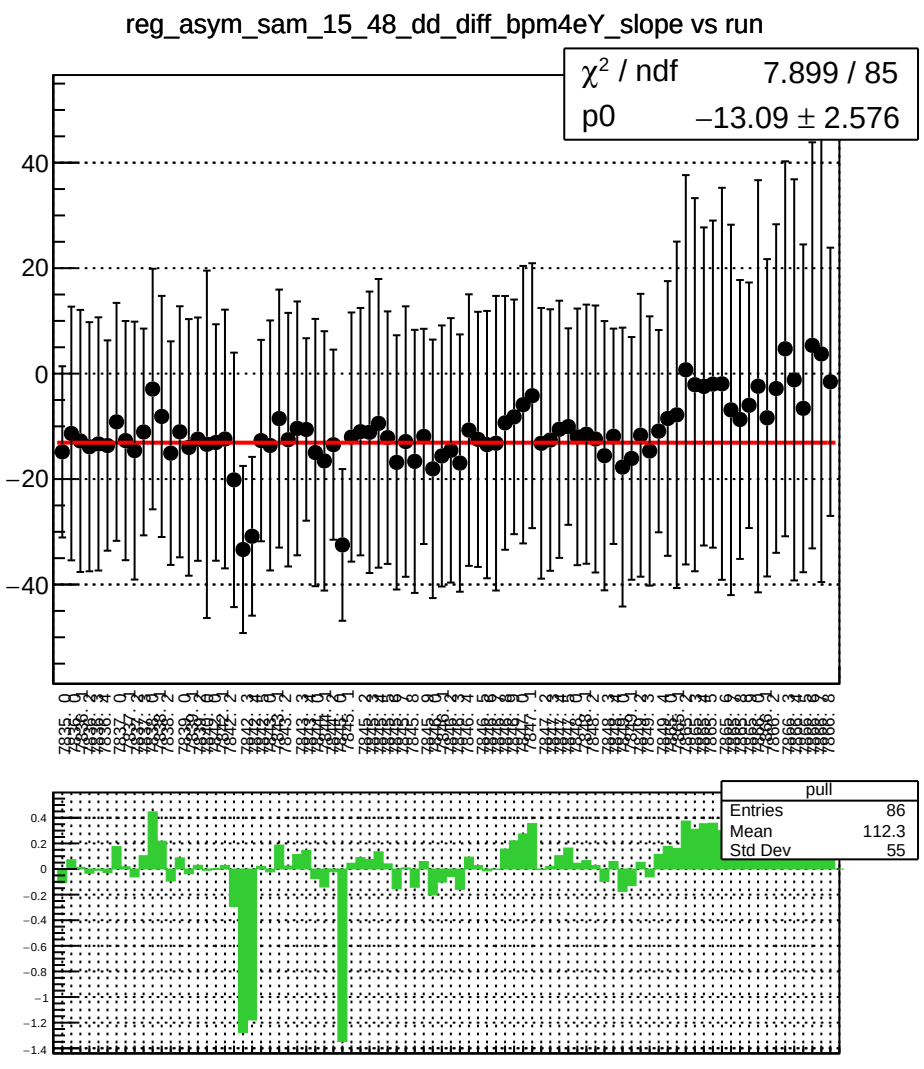

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.267 / 85
p0 −11.3 ± 3.88
pull
Entries 86
Mean 221.7
Std Dev 167.5
pull1D
Entries 86
Mean −0.02156
Std Dev 0.3276

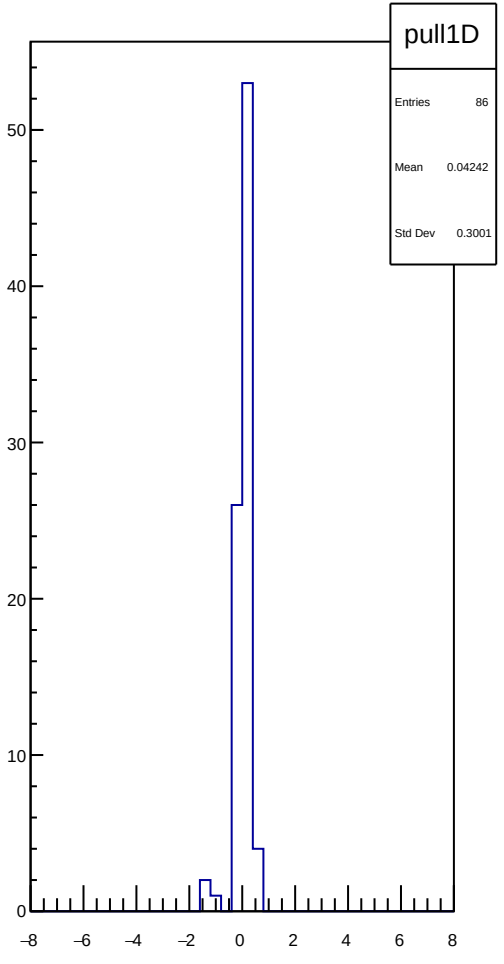

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 73.7 / 85
p0 −0.6907 ± 0.116
pull
Entries 86
Mean 216.1
Std Dev 162.7
pull1D
Entries 86
Mean −0.08995
Std Dev 0.9214

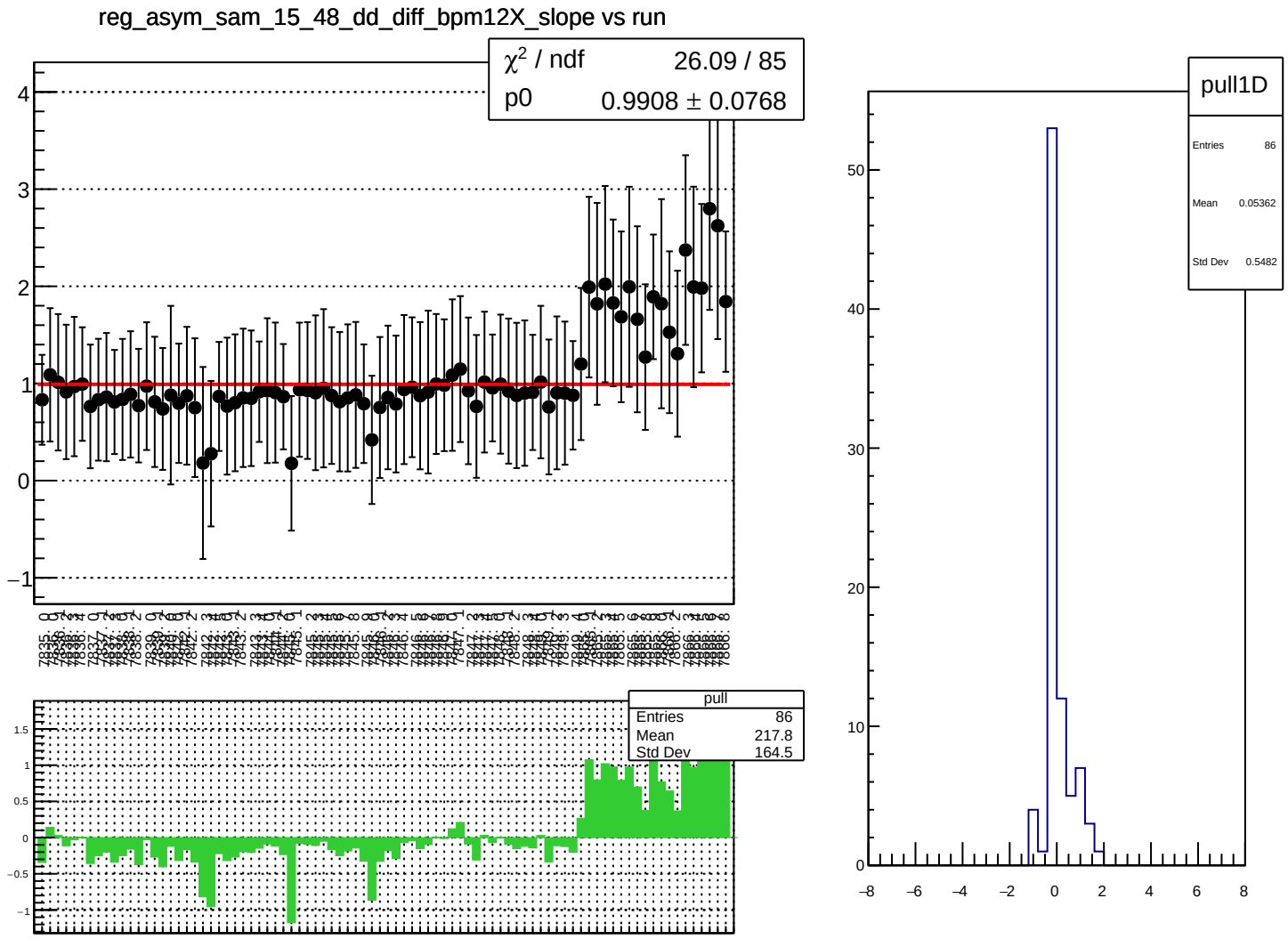

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 92.91 / 85
p0 17.93 ± 1.906
120
100
80
60
40
20
0
−20
pull
Entries 86
Mean 69.05
Std Dev 21.32
2
1
0
−1
−2
−3
−4
pull1D
Entries 86
Mean 0.3792
Std Dev 0.9678
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

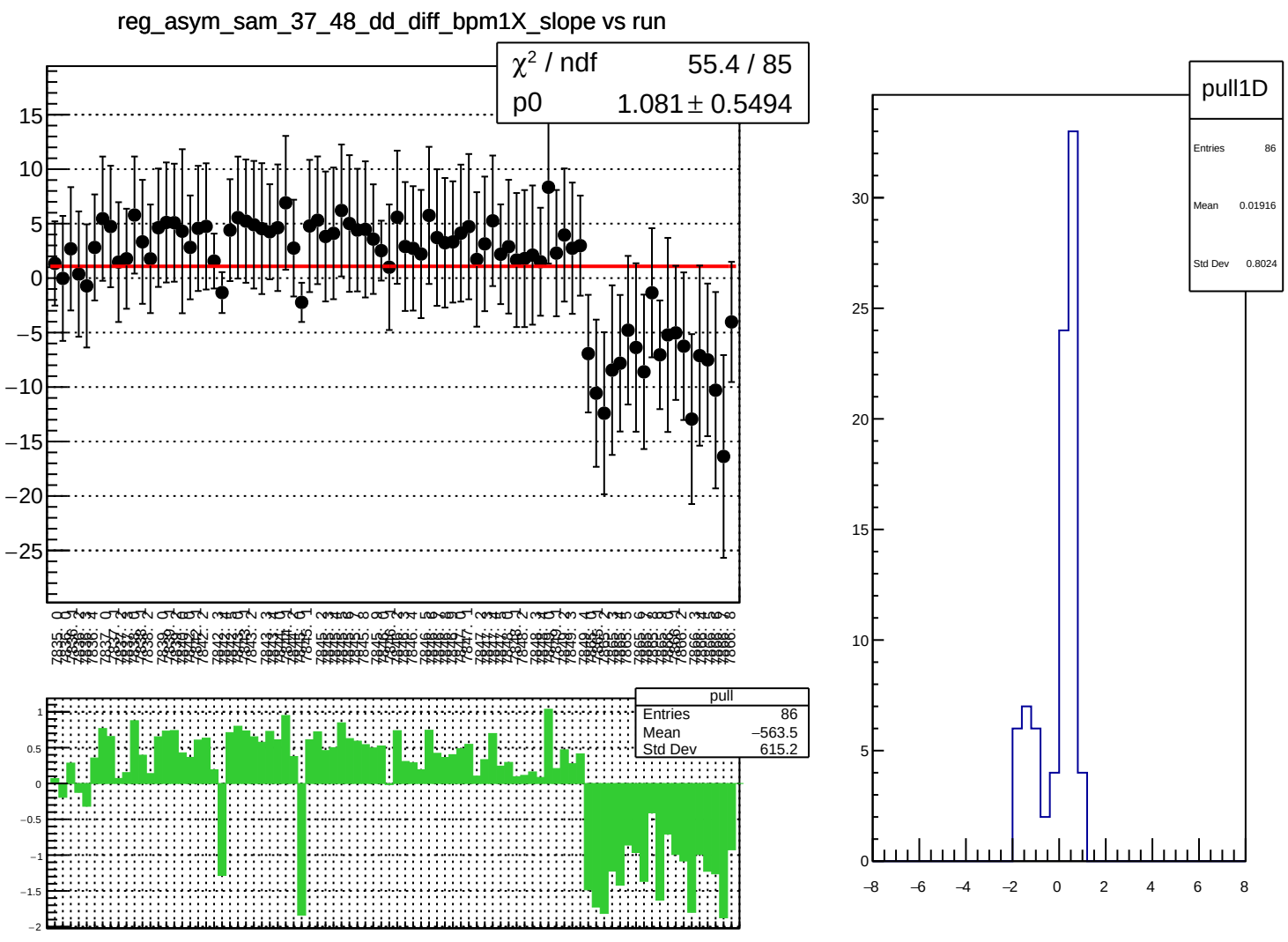

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.8 / 85
p0 −14.97 ± 2.239
pull
Entries 86
Mean 85.03
Std Dev 23.11
pull1D
Entries 86
Mean −0.06382
Std Dev 0.3486

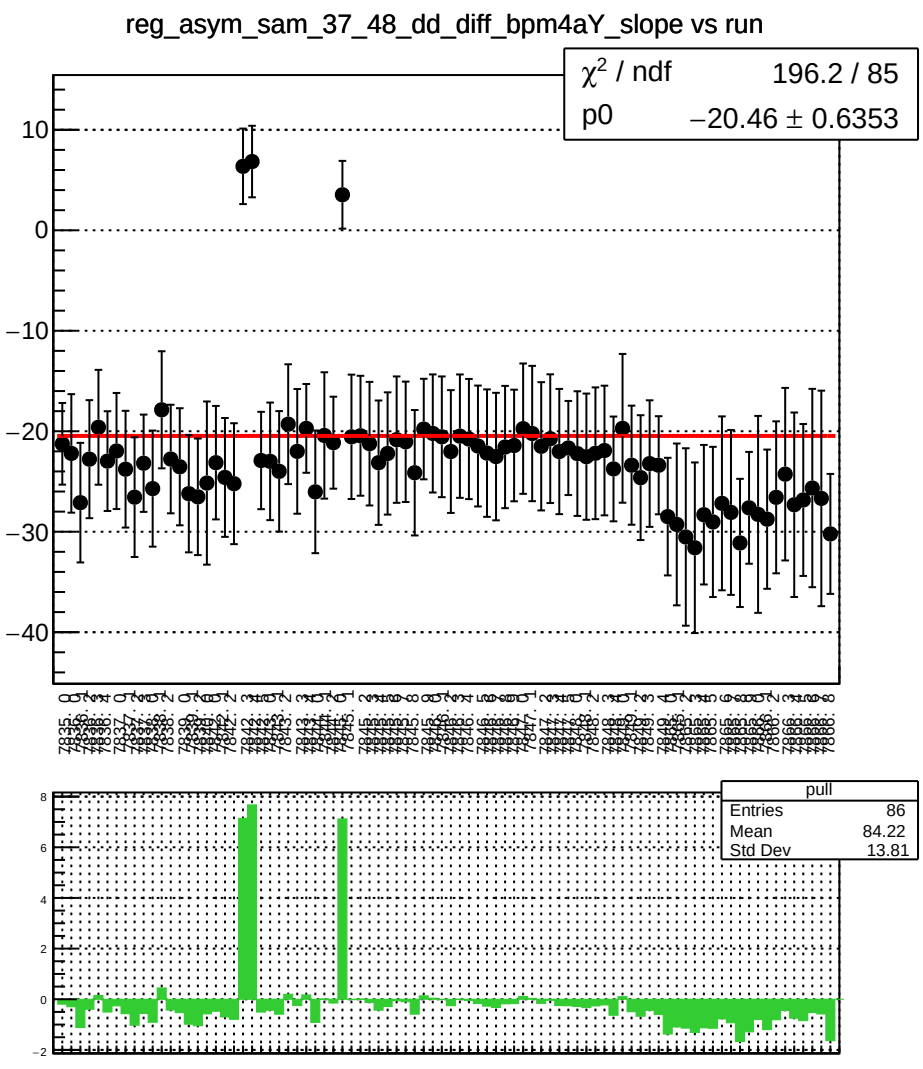

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 98.37 / 85
p0 40.53 ± 1.67
pull
Entries 86
Mean 62.85
Std Dev 25.7
pull1D
Entries 86
Mean −0.4421
Std Dev 0.9738

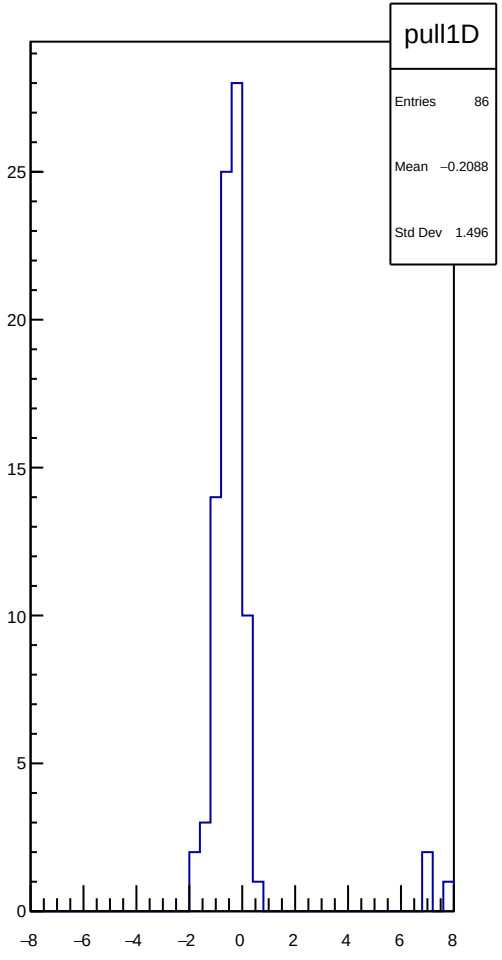

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.899 / 85
p0 −13.09 ± 2.576
pull
Entries 86
Mean 112.3
Std Dev 55

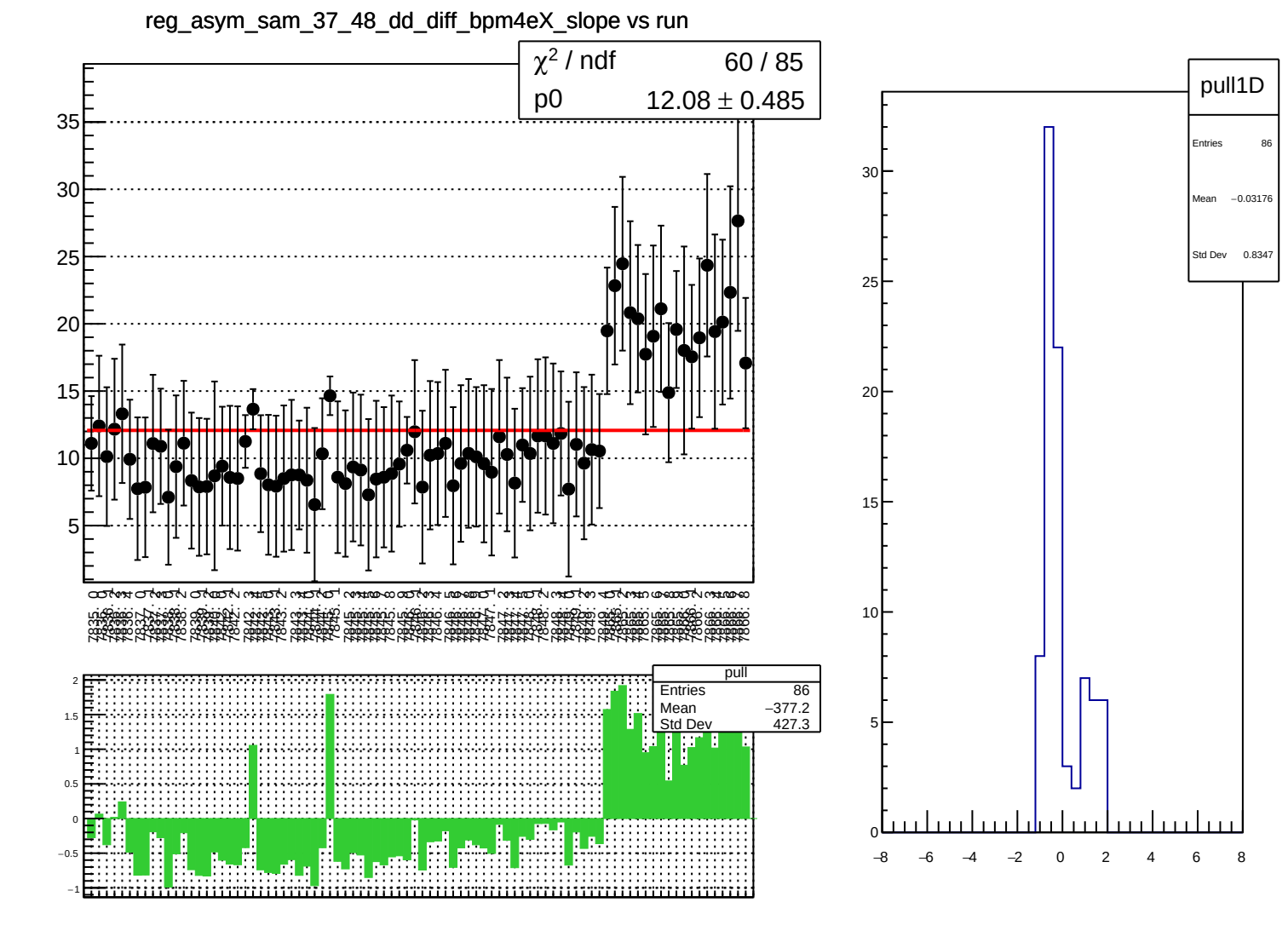

pull1D
Entries 86
Mean 0.04242
Std Dev 0.3001

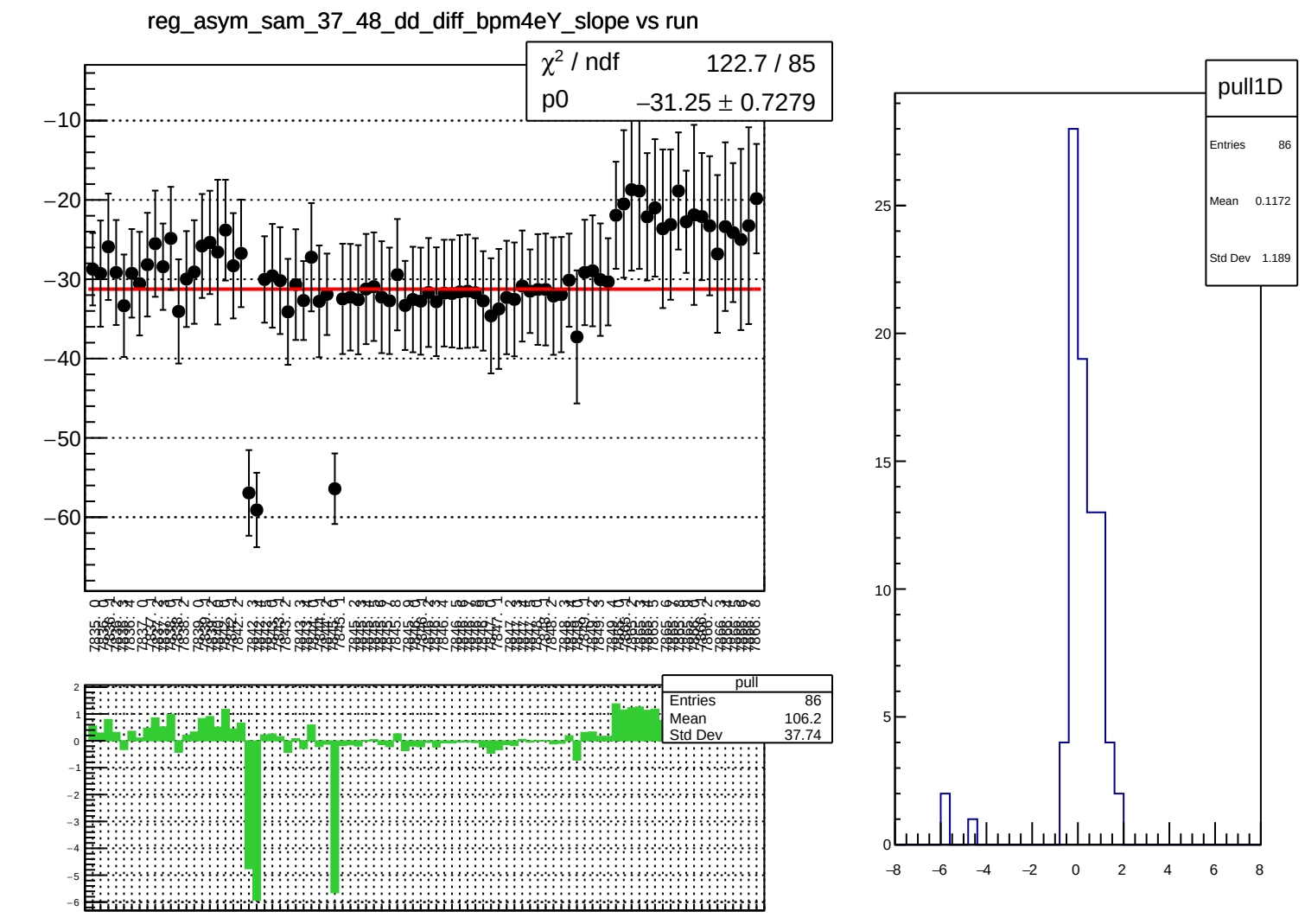

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 26.09 / 85
p0 0.9908 ± 0.0768
pull
Entries 86
Mean 217.8
Std Dev 164.5
pull1D
Entries 86
Mean 0.05362
Std Dev 0.5482

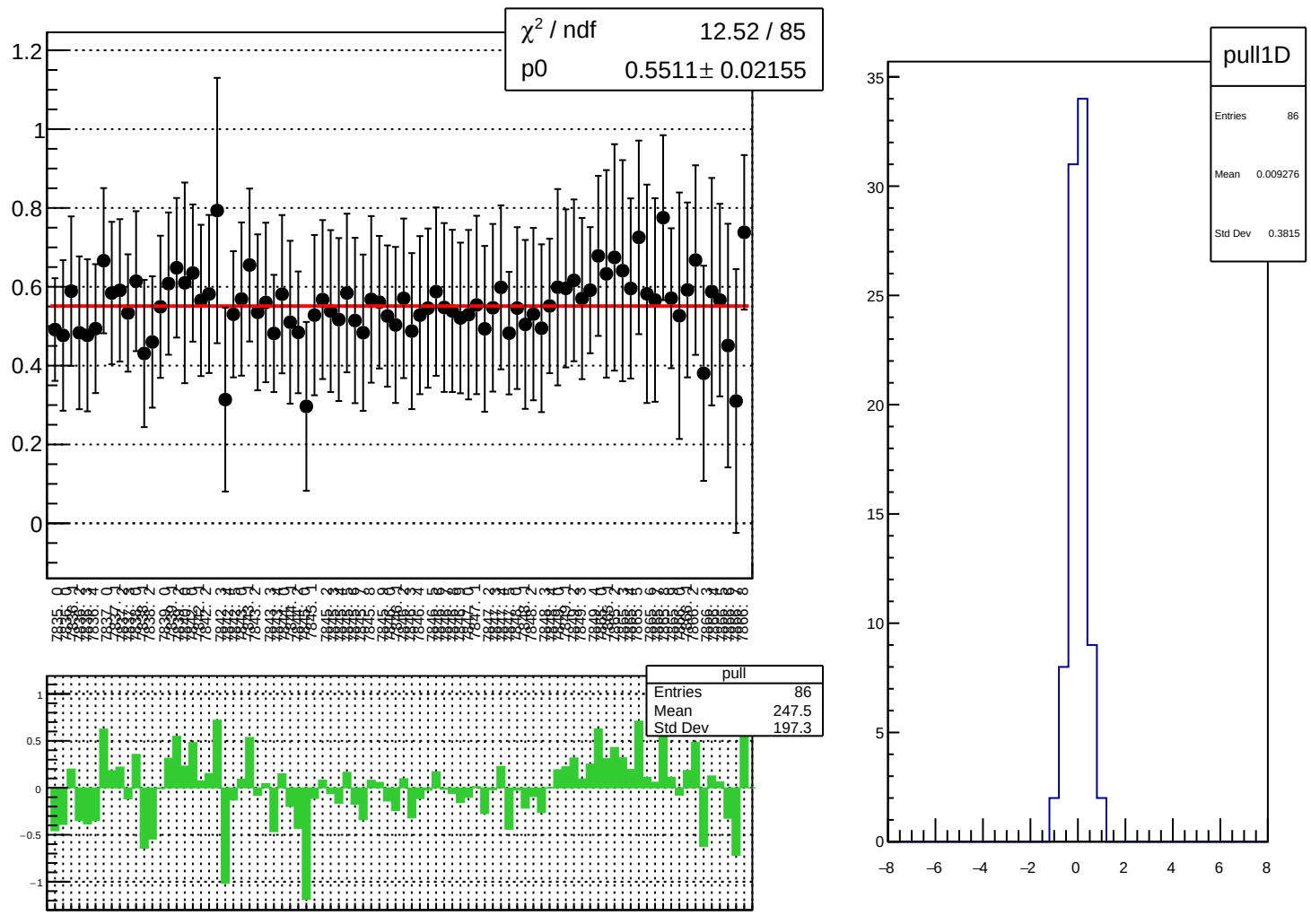

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 55.4 / 85
p0 1.081 ± 0.5494
pull
Entries 86
Mean −563.5
Std Dev 615.2
pull1D
Entries 86
Mean 0.01916
Std Dev 0.8024

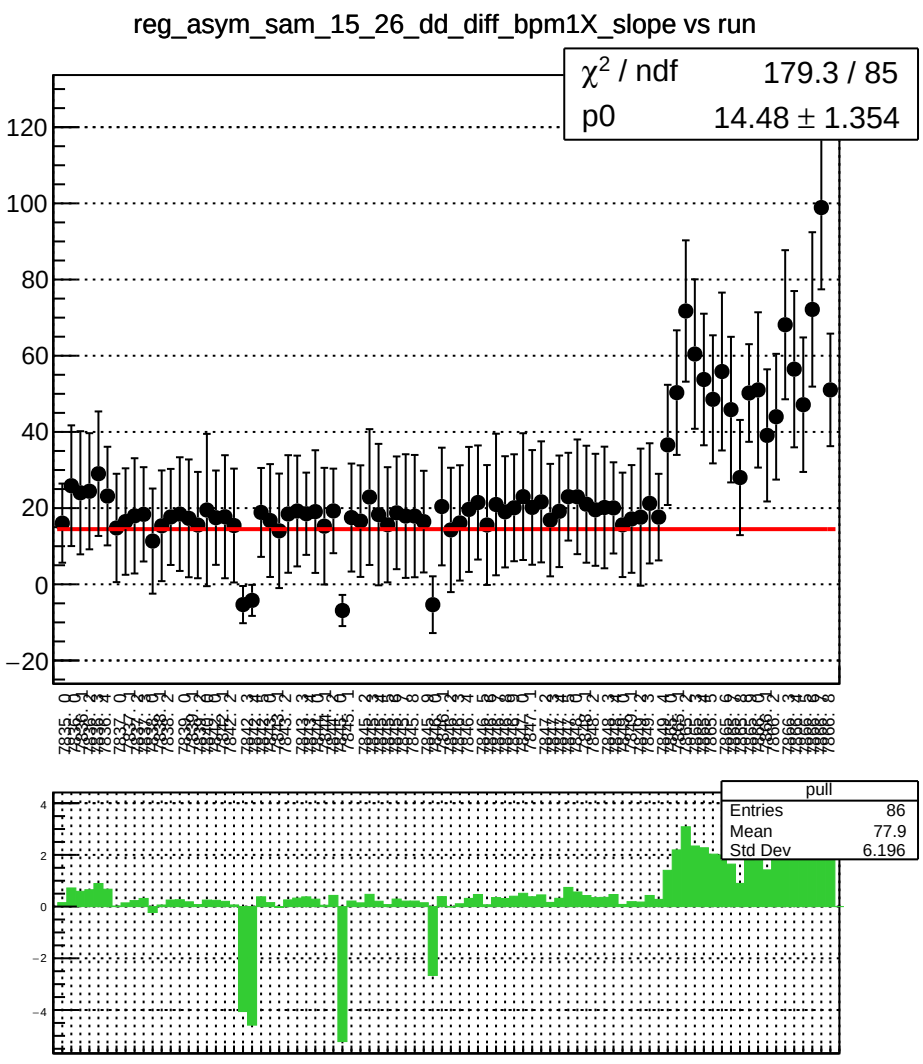

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 196.2 / 85
p0 −20.46 ± 0.6353
pull
Entries 86
Mean 84.22
Std Dev 13.81

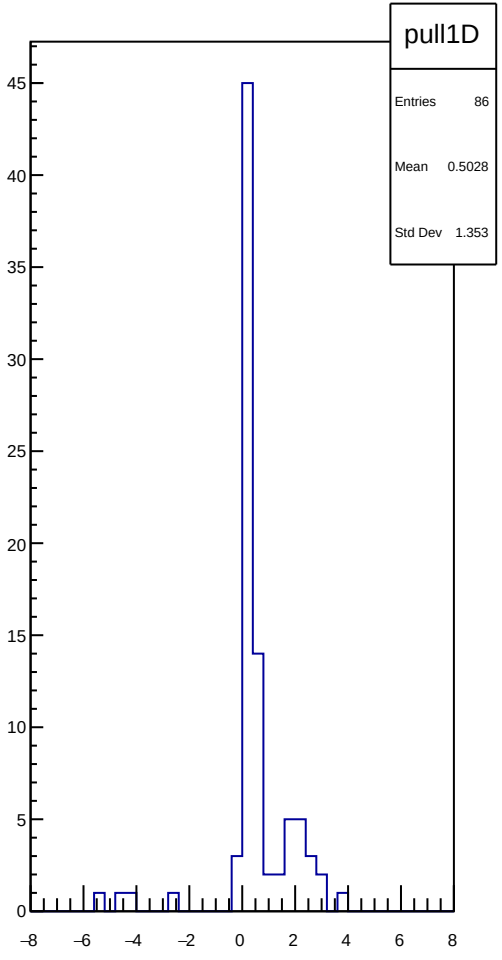

pull1D
Entries 86
Mean −0.2088
Std Dev 1.496

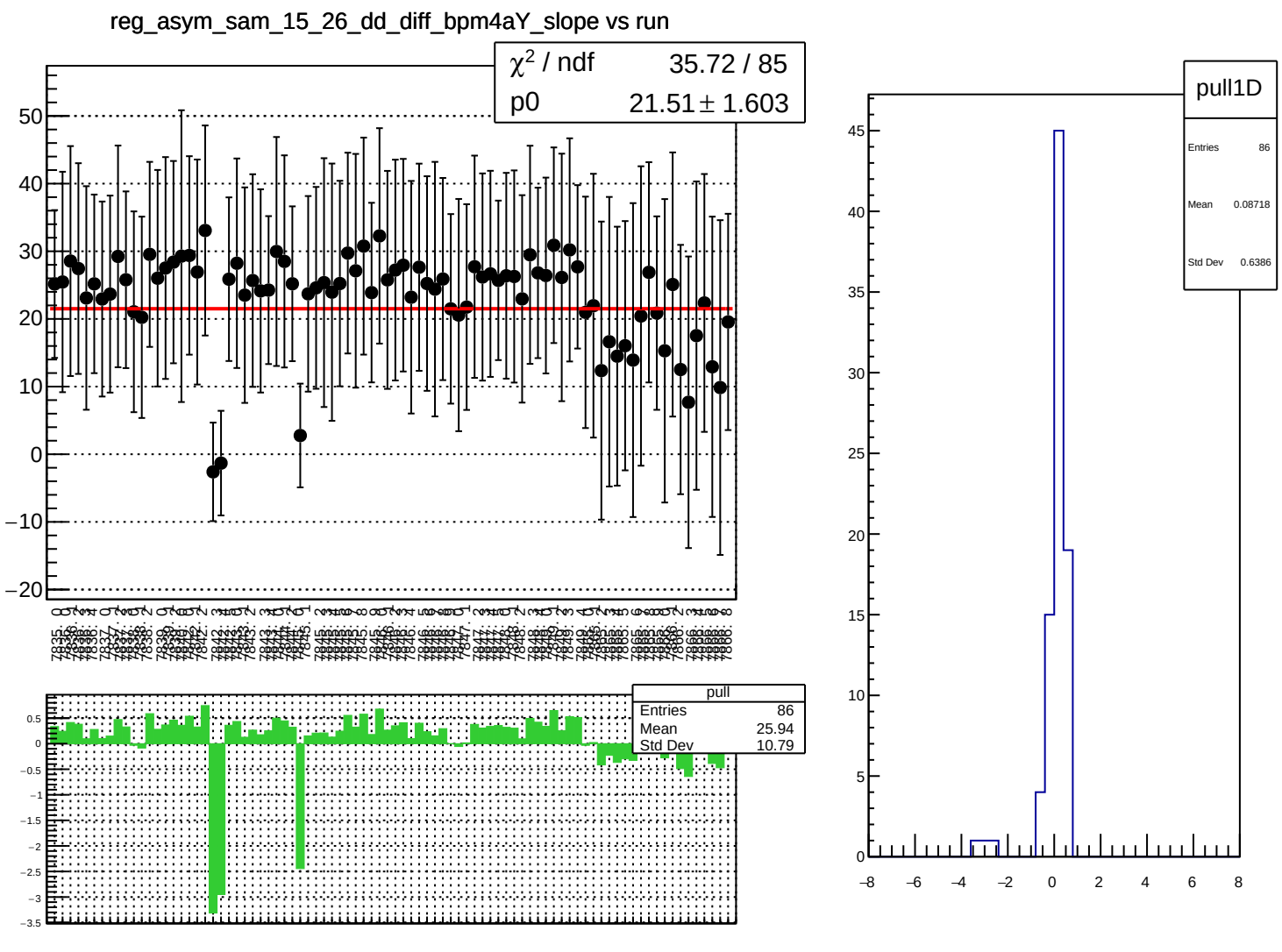

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 60 / 85
p0 12.08 ± 0.485
pull
Entries 86
Mean −377.2
Std Dev 427.3
pull1D
Entries 86
Mean −0.03176
Std Dev 0.8347

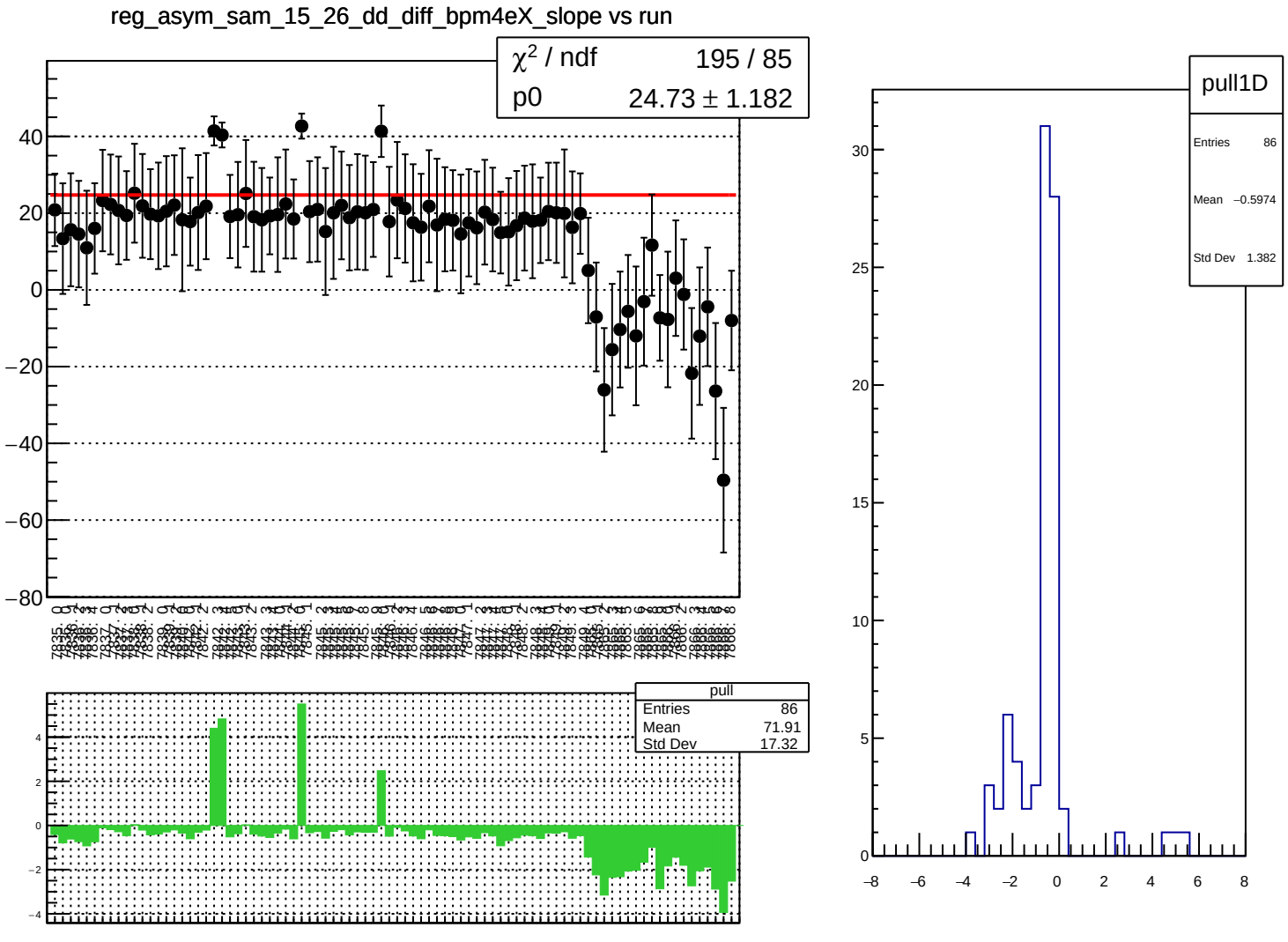

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 122.7 / 85
p0 −31.25 ± 0.7279
−10
−20
−30
−40
−50
−60
pull
Entries 86
Mean 106.2
Std Dev 37.74
pull1D
Entries 86
Mean 0.1172
Std Dev 1.189
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

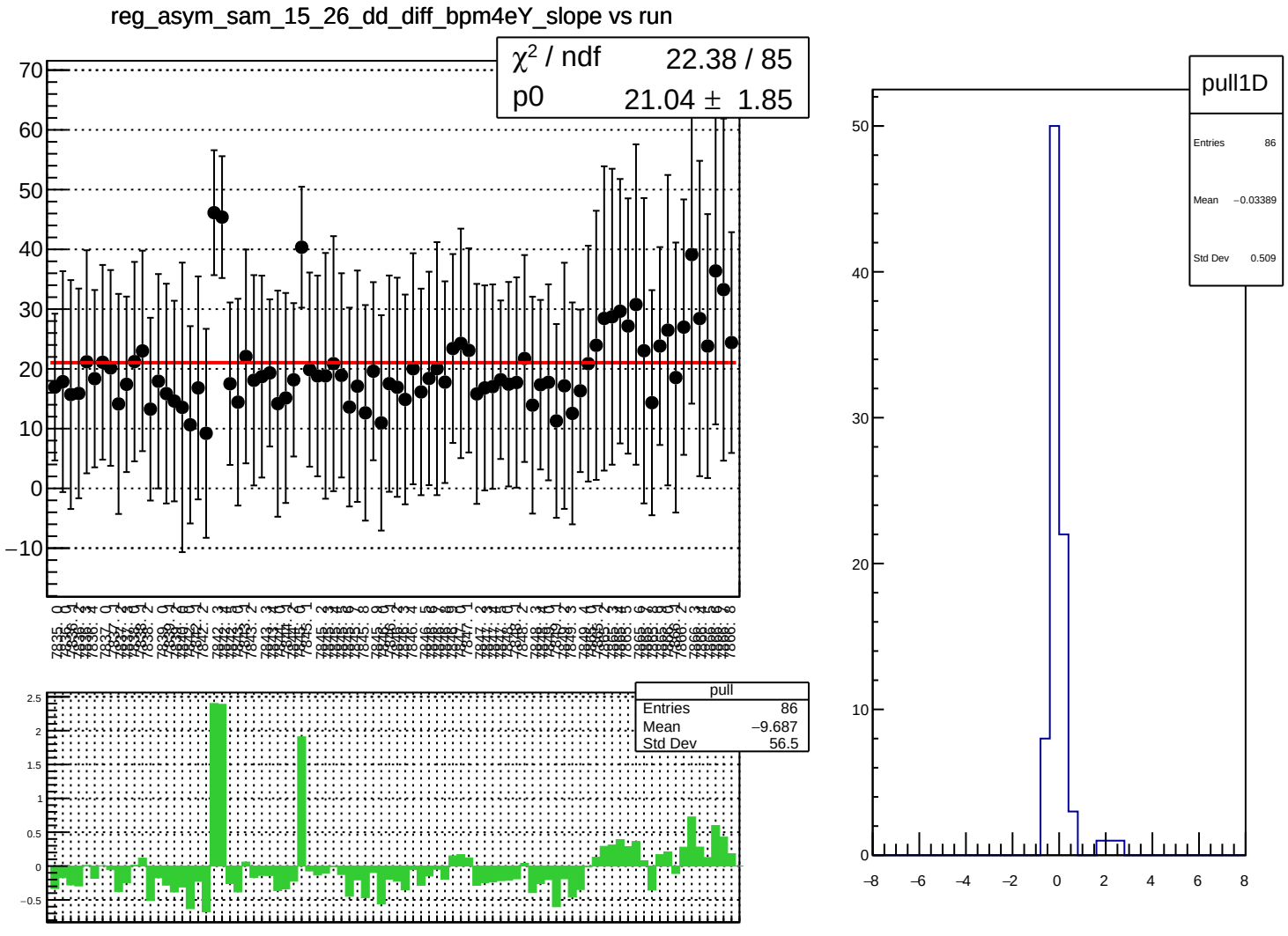

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 12.52 / 85
p0 0.5511± 0.02155
pull
Entries 86
Mean 247.5
Std Dev 197.3
pull1D
Entries 86
Mean 0.009276
Std Dev 0.3815

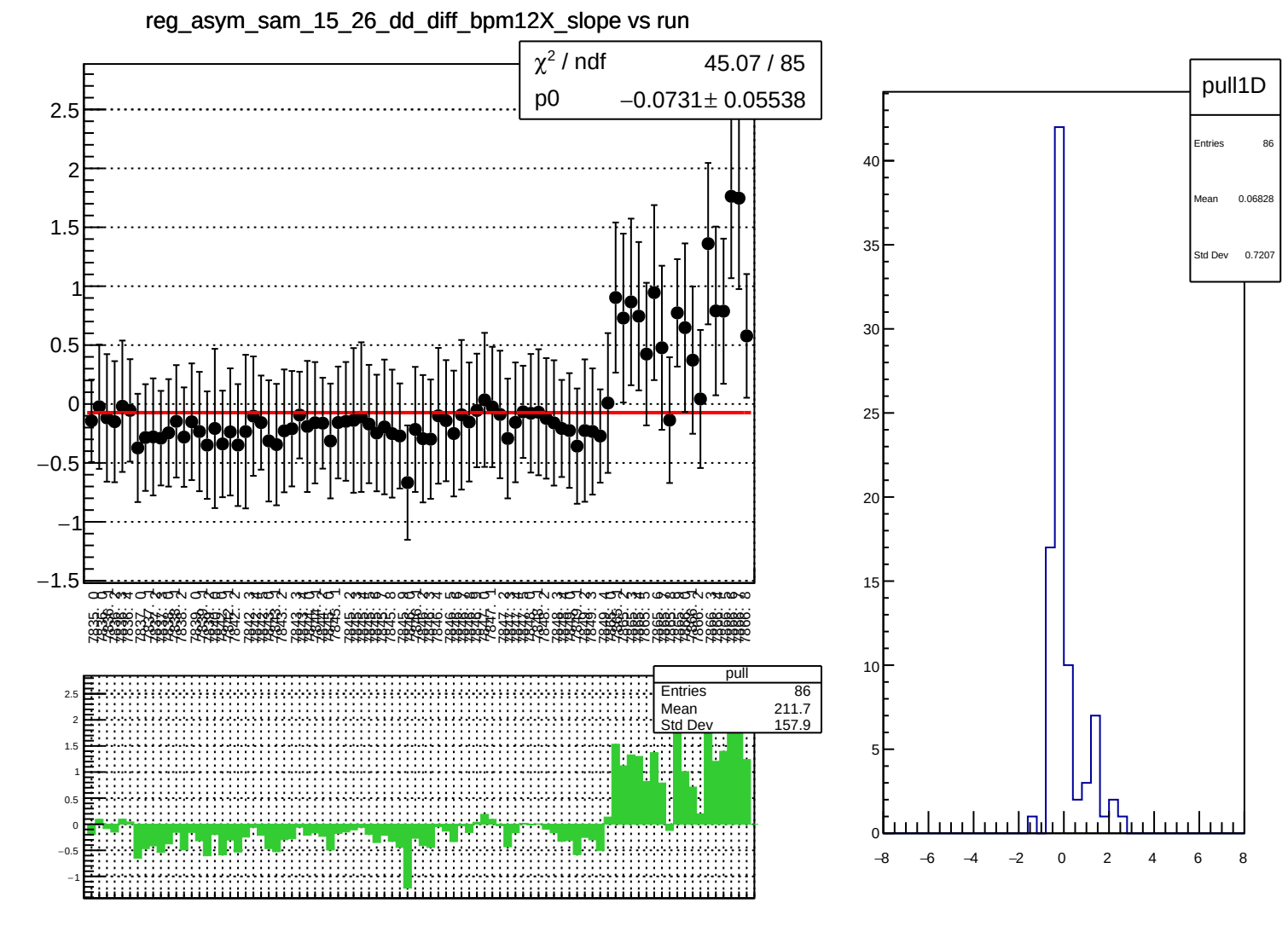

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 179.3 / 85
p0 14.48 ± 1.354
120
100
80
60
40
20
0
−20
pull
Entries 86
Mean 77.9
Std Dev 6.196
4
2
0
−2
−4

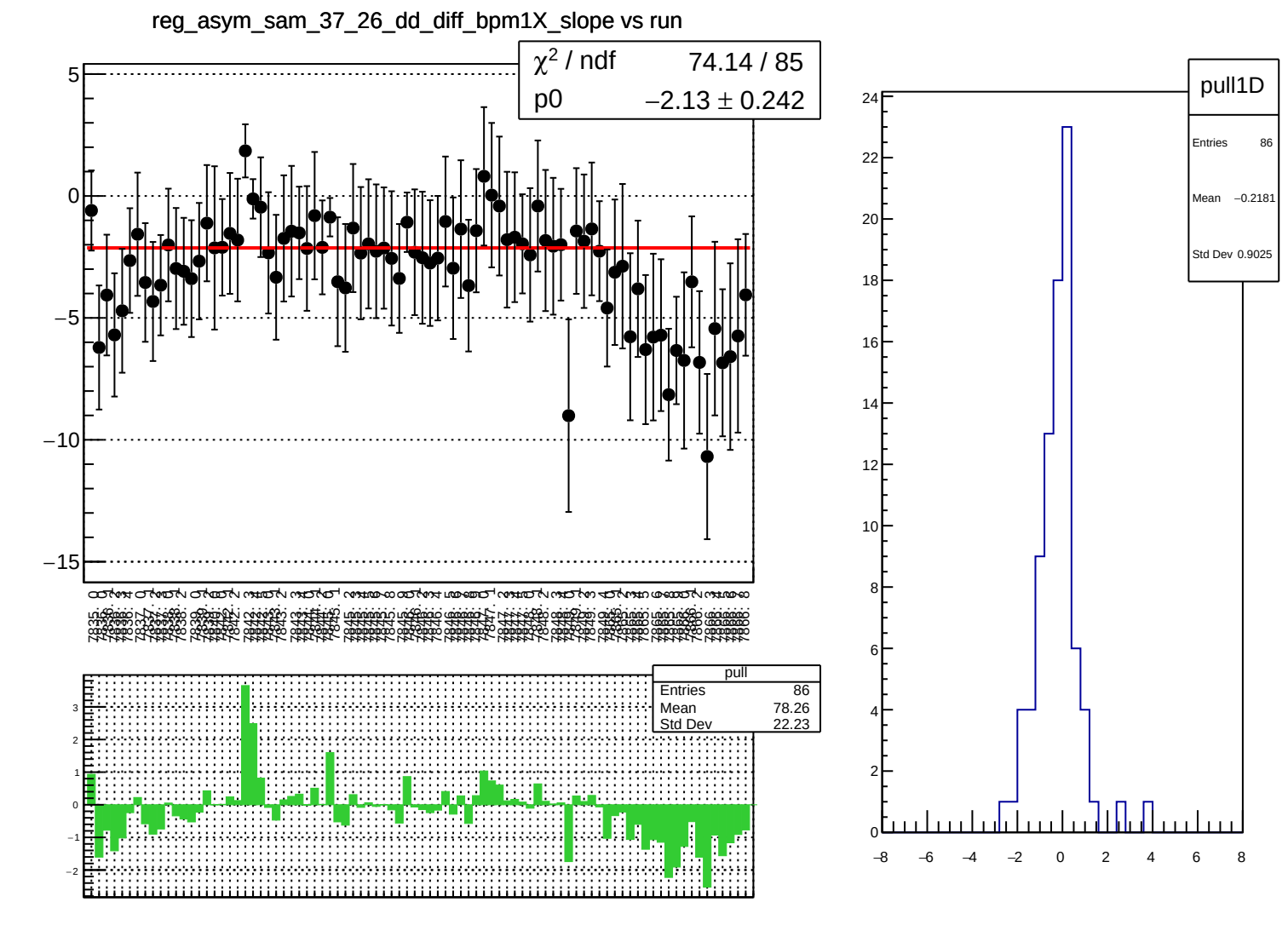

pull1D
Entries 86
Mean 0.5028
Std Dev 1.353
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

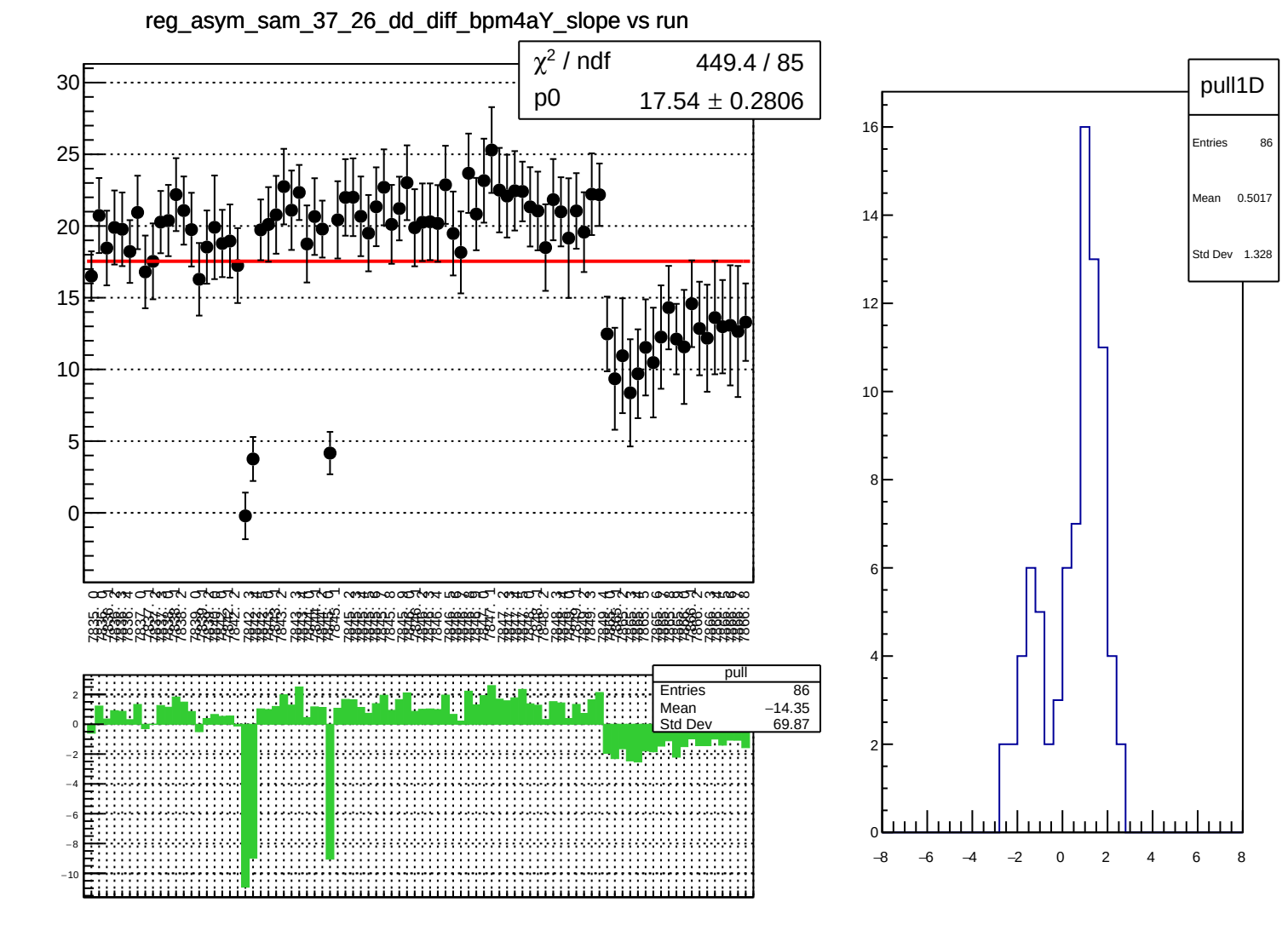

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.72 / 85
p0 21.51 ± 1.603
pull
Entries 86
Mean 25.94
Std Dev 10.79
pull1D
Entries 86
Mean 0.08718
Std Dev 0.6386

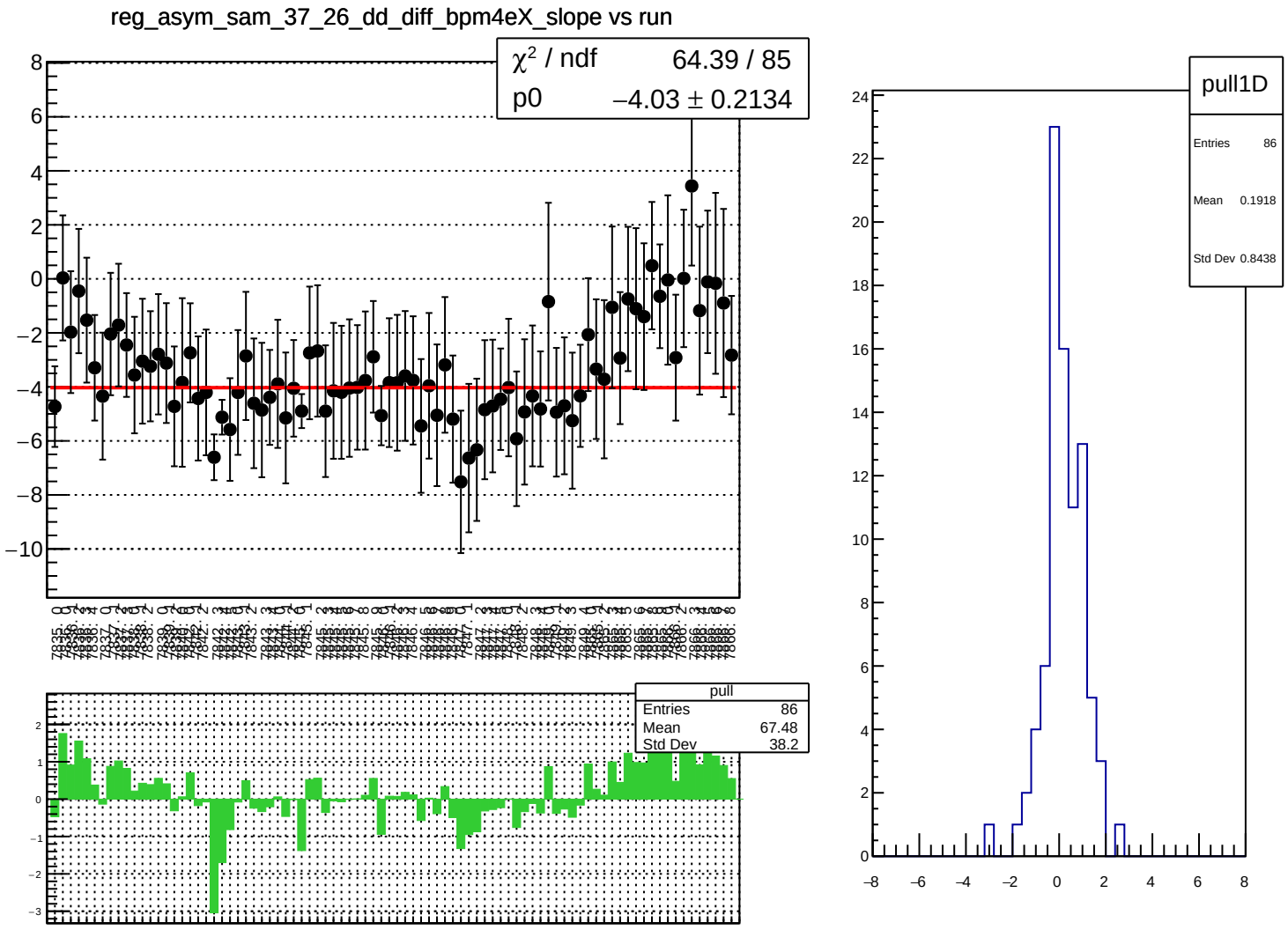

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 195 / 85
p0 24.73 ± 1.182
pull
Entries 86
Mean 71.91
Std Dev 17.32
pull1D
Entries 86
Mean −0.5974
Std Dev 1.382

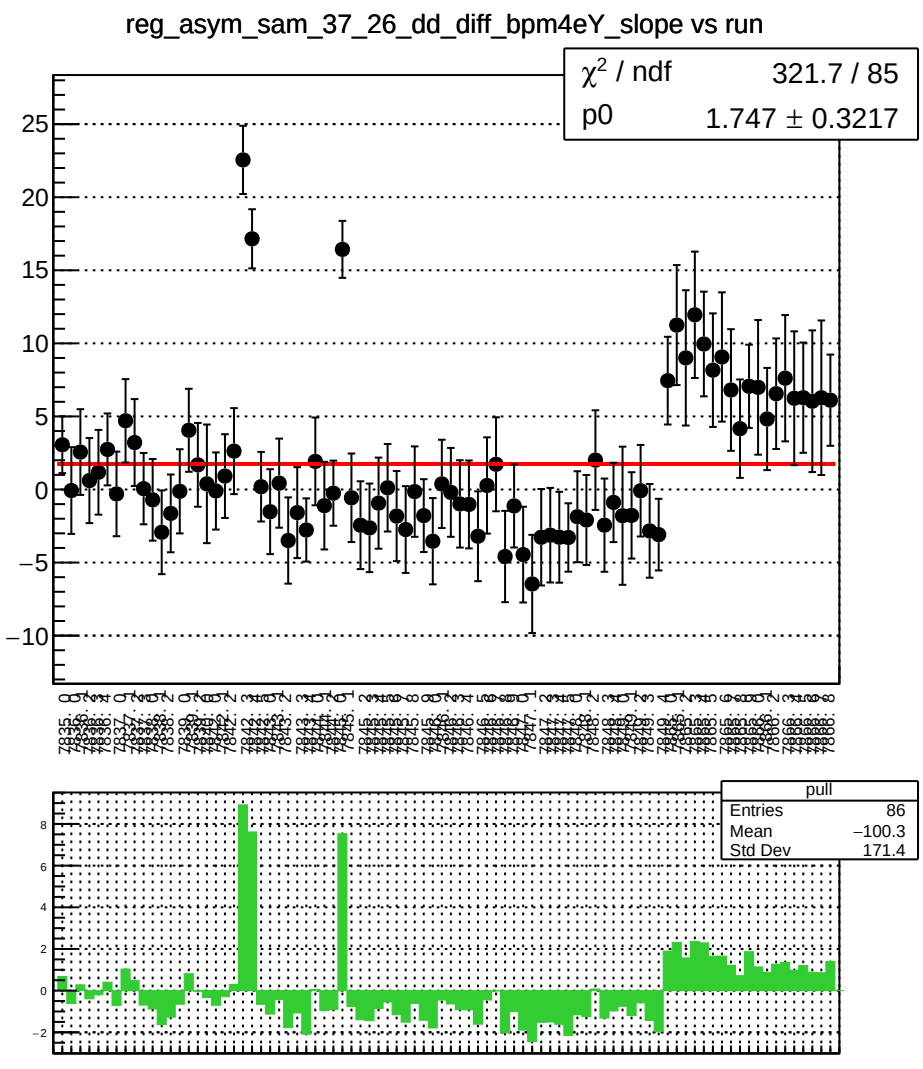

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.38 / 85
p0 21.04 ± 1.85
pull
Entries 86
Mean −9.687
Std Dev 56.5
pull1D
Entries 86
Mean −0.03389
Std Dev 0.509

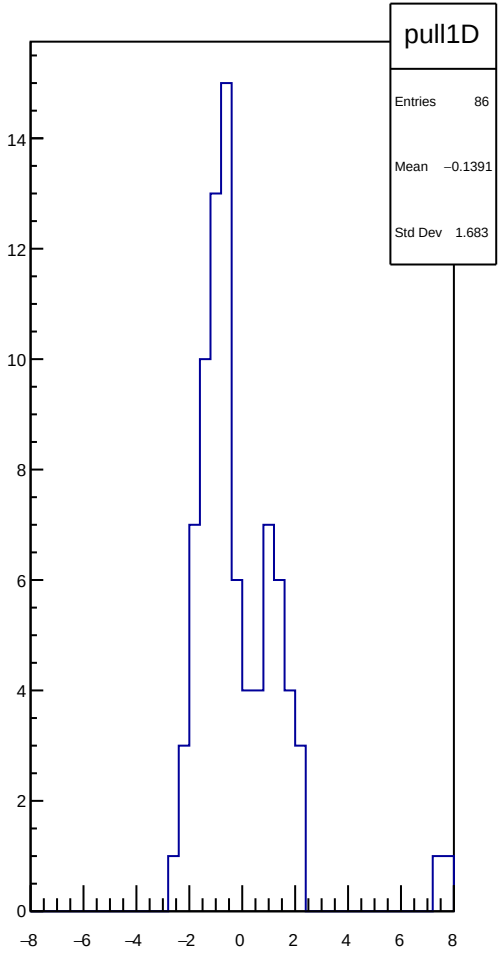

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 45.07 / 85
p0 −0.0731± 0.05538
pull
Entries 86
Mean 211.7
Std Dev 157.9
pull1D
Entries 86
Mean 0.06828
Std Dev 0.7207

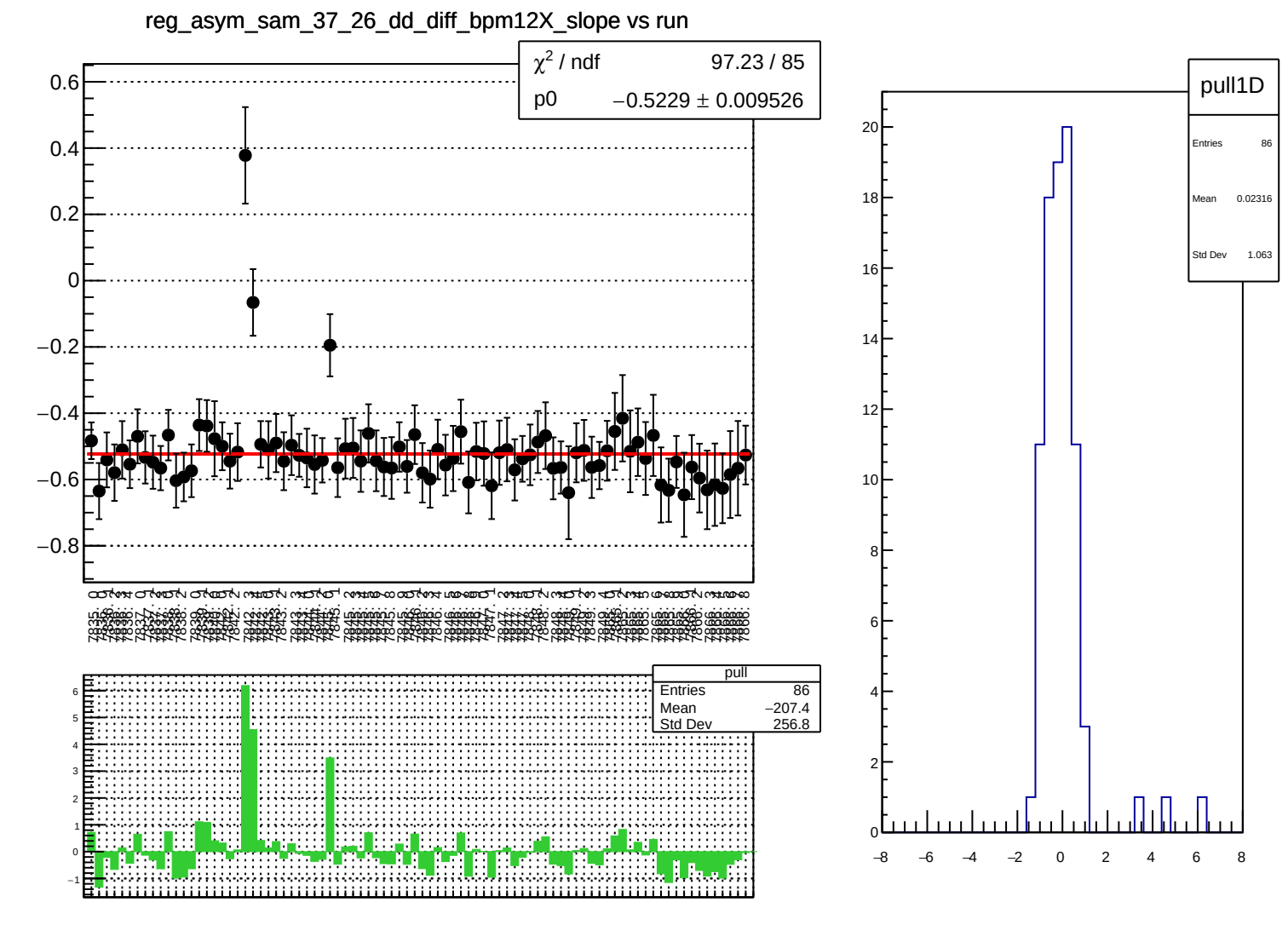

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 74.14 / 85
p0 −2.13 ± 0.242
pull
Entries 86
Mean 78.26
Std Dev 22.23
pull1D
Entries 86
Mean −0.2181
Std Dev 0.9025

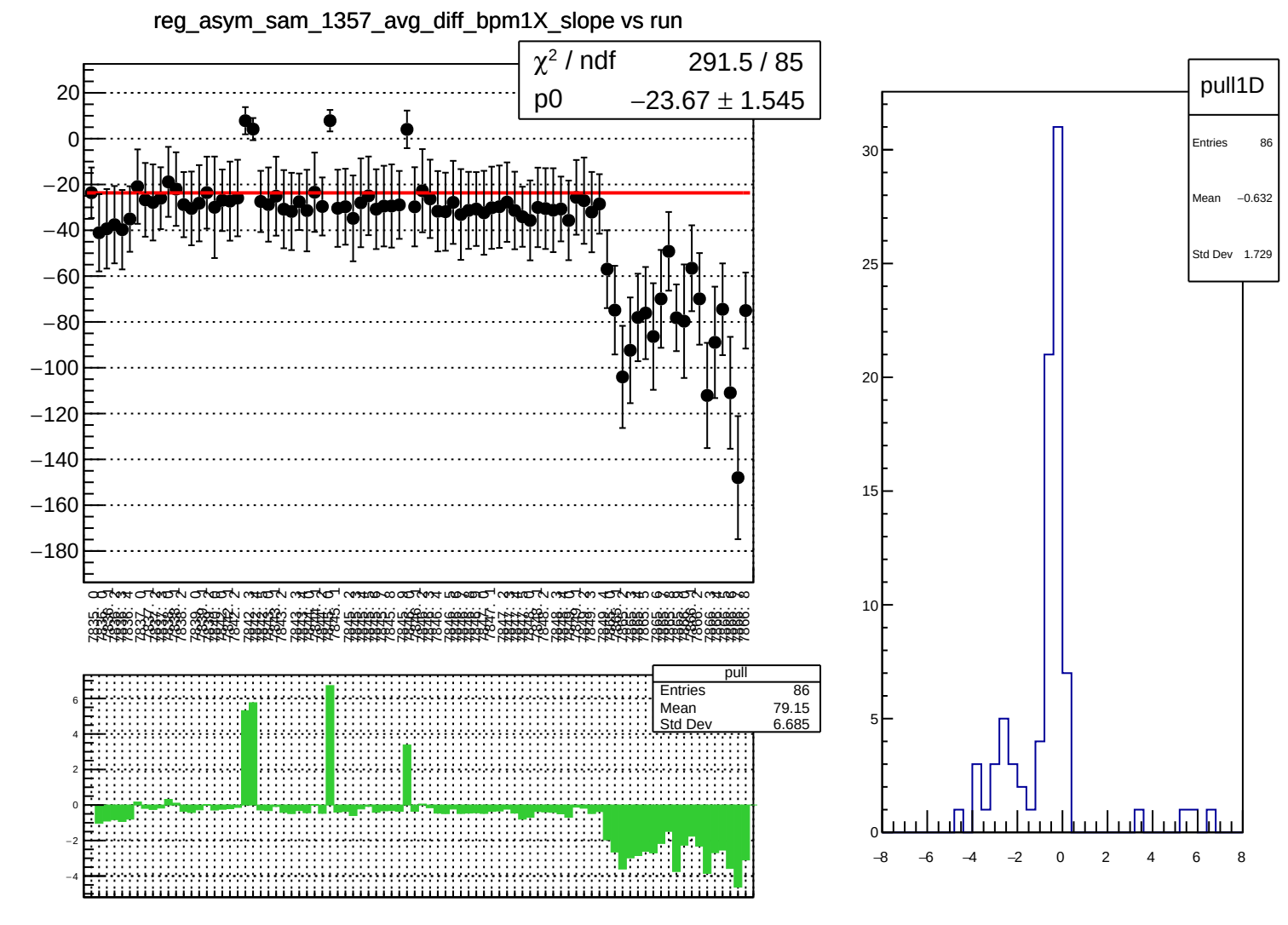

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 449.4 / 85
p0 17.54 ± 0.2806
pull
Entries 86
Mean −14.35
Std Dev 69.87
pull1D
Entries 86
Mean 0.5017
Std Dev 1.328

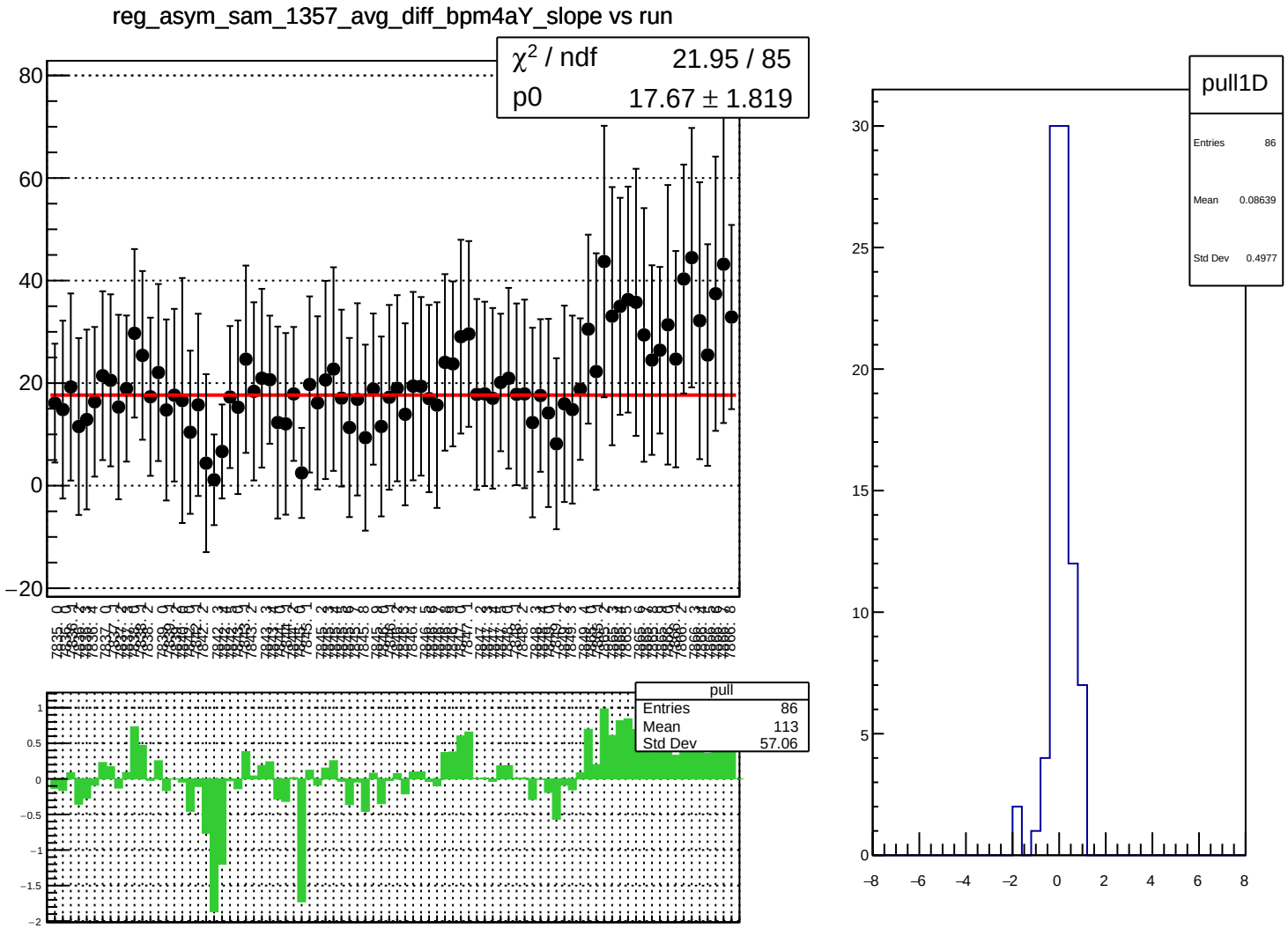

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.39 / 85
p0 −4.03 ± 0.2134
pull
Entries 86
Mean 67.48
Std Dev 38.2
pull1D
Entries 86
Mean 0.1918
Std Dev 0.8438

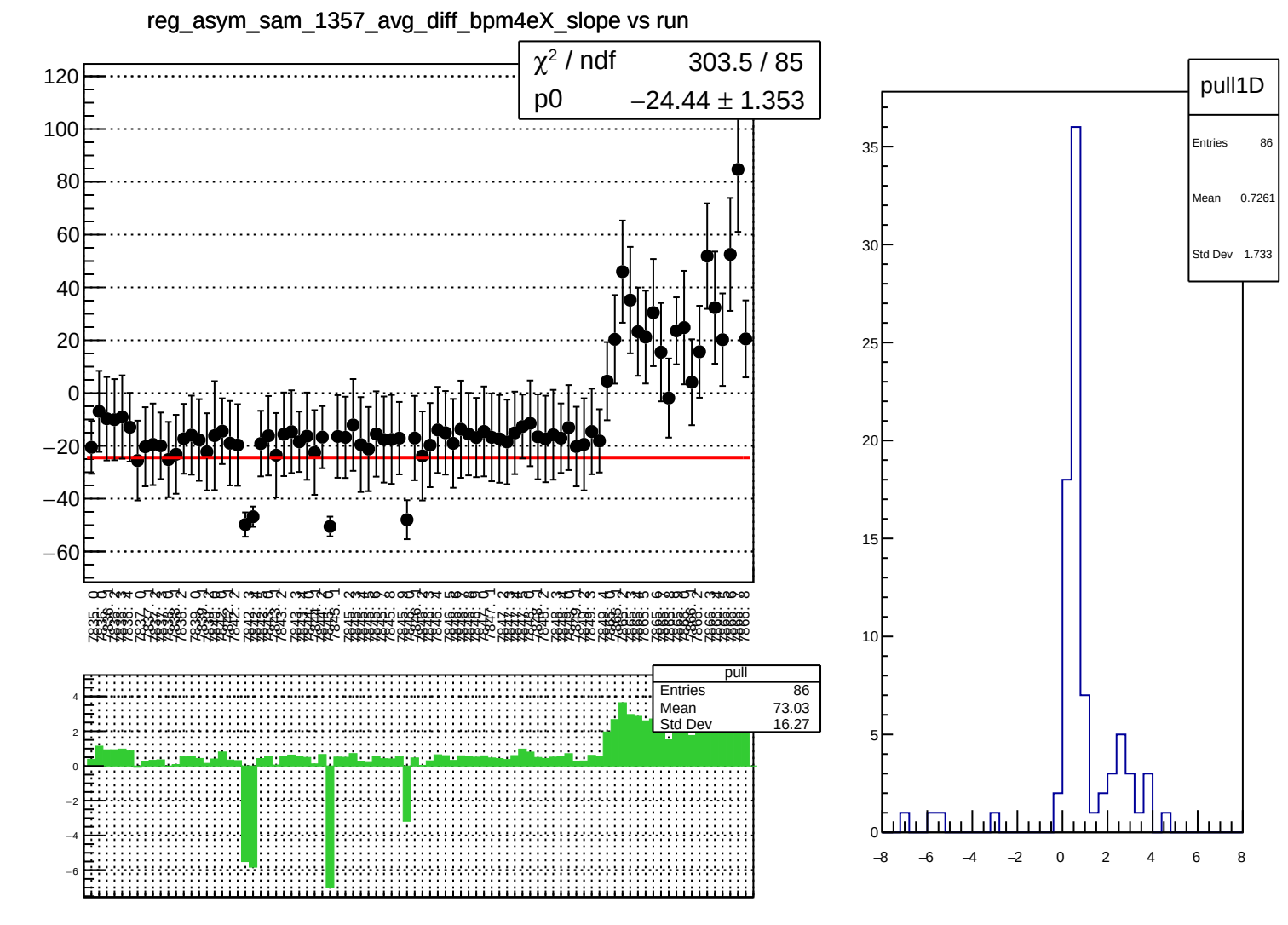

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 321.7 / 85
p0 1.747 ± 0.3217
pull
Entries 86
Mean −100.3
Std Dev 171.4

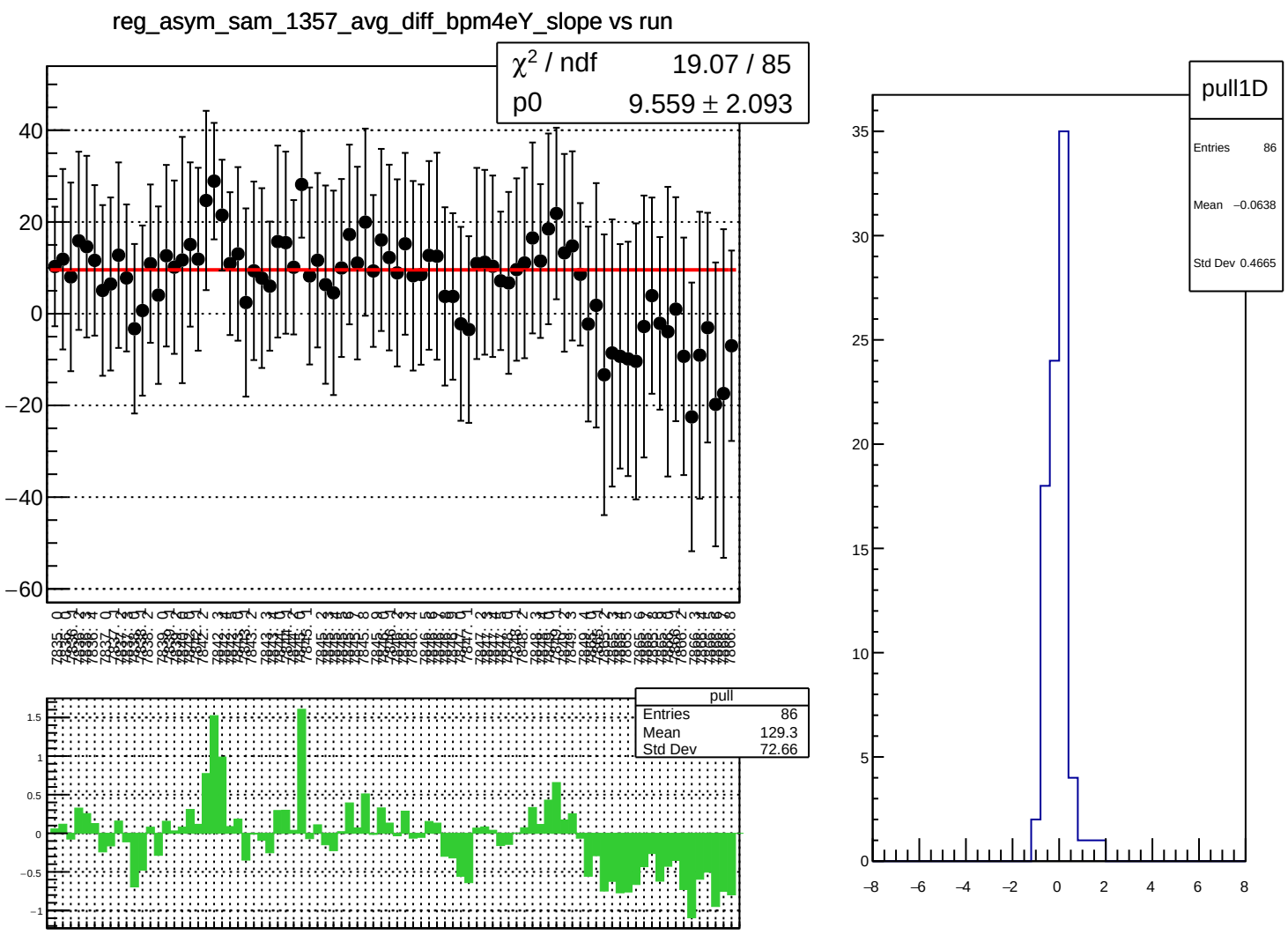

pull1D
Entries 86
Mean −0.1391
Std Dev 1.683

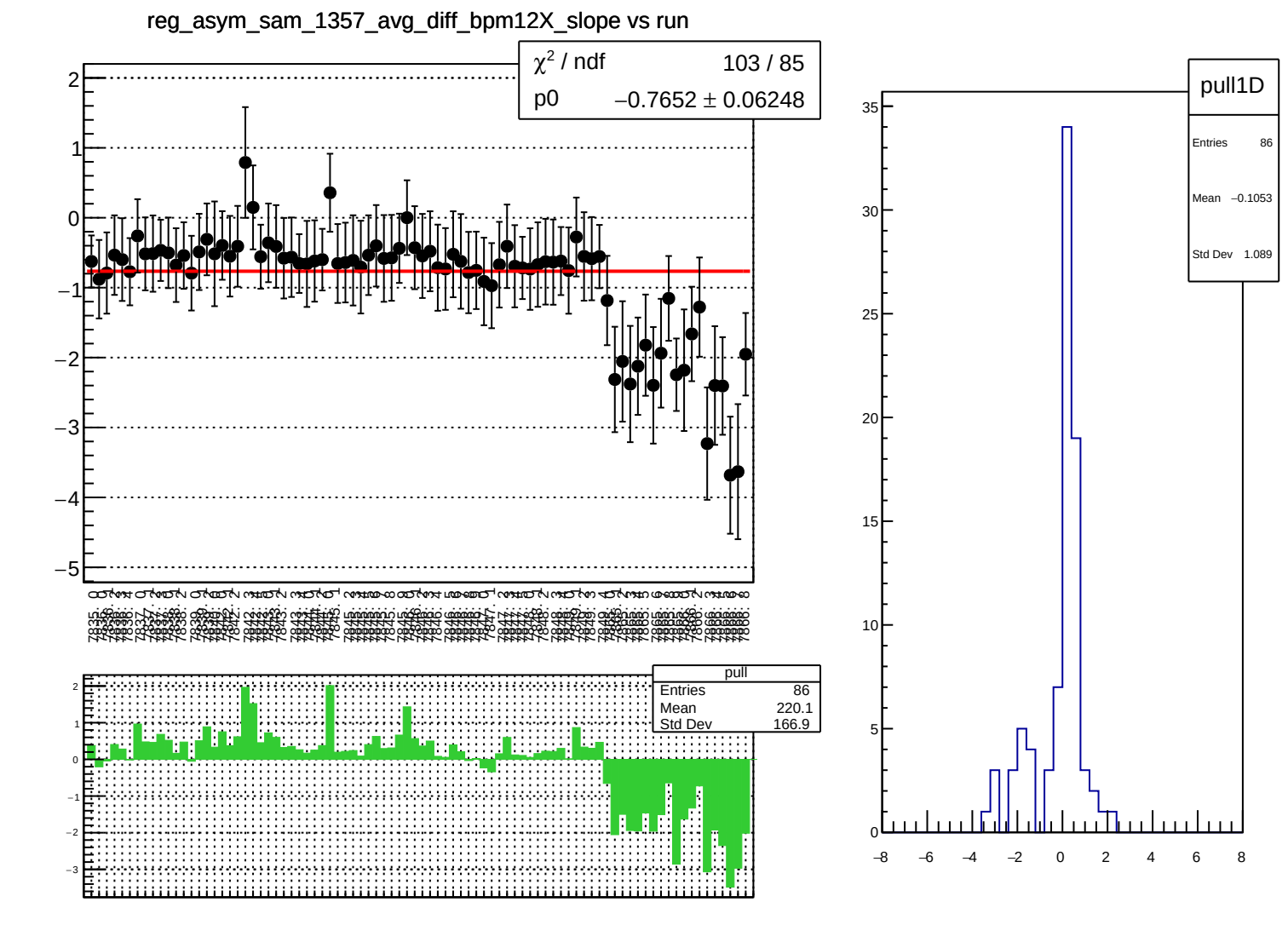

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 97.23 / 85
p0 −0.5229 ± 0.009526
pull
Entries 86
Mean −207.4
Std Dev 256.8
pull1D
Entries 86
Mean 0.02316
Std Dev 1.063

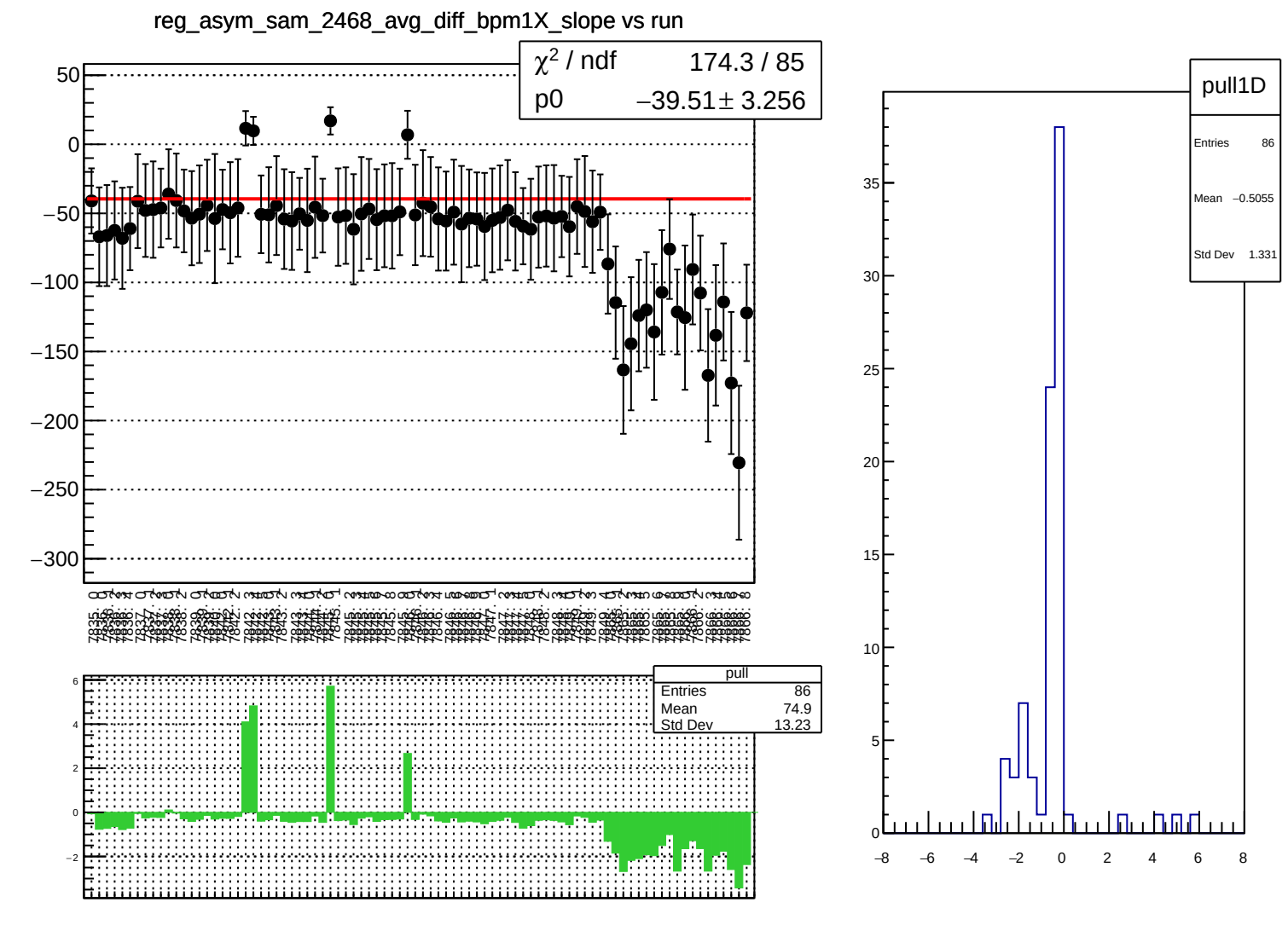

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 291.5 / 85
p0 −23.67 ± 1.545
pull
Entries 86
Mean 79.15
Std Dev 6.685
pull1D
Entries 86
Mean −0.632
Std Dev 1.729

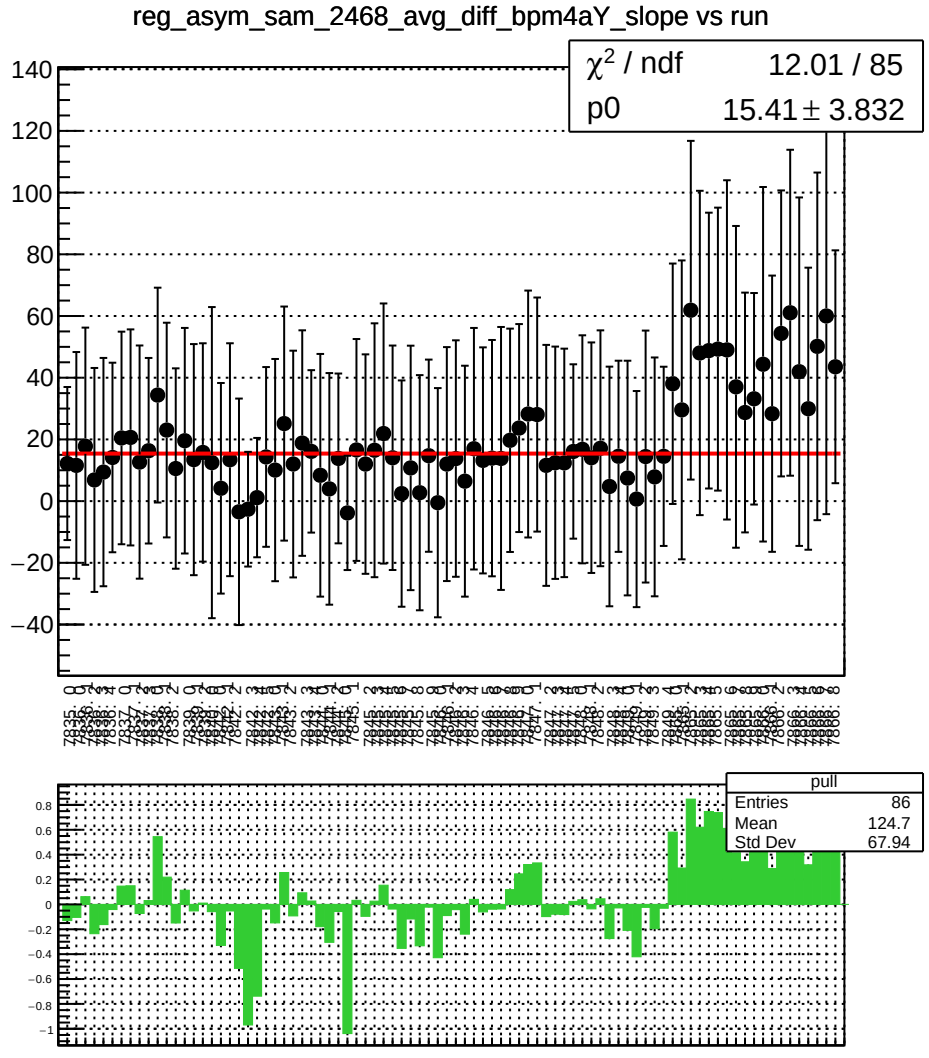

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.95 / 85
p0 17.67 ± 1.819
pull
Entries 86
Mean 113
Std Dev 57.06
pull1D
Entries 86
Mean 0.08639
Std Dev 0.4977

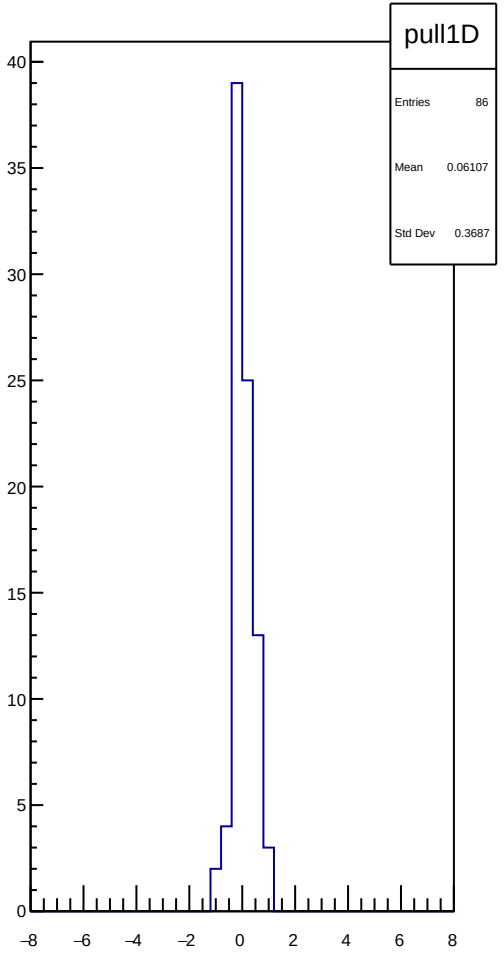

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 303.5 / 85
p0 −24.44 ± 1.353
pull
Entries 86
Mean 73.03
Std Dev 16.27
pull1D
Entries 86
Mean 0.7261
Std Dev 1.733

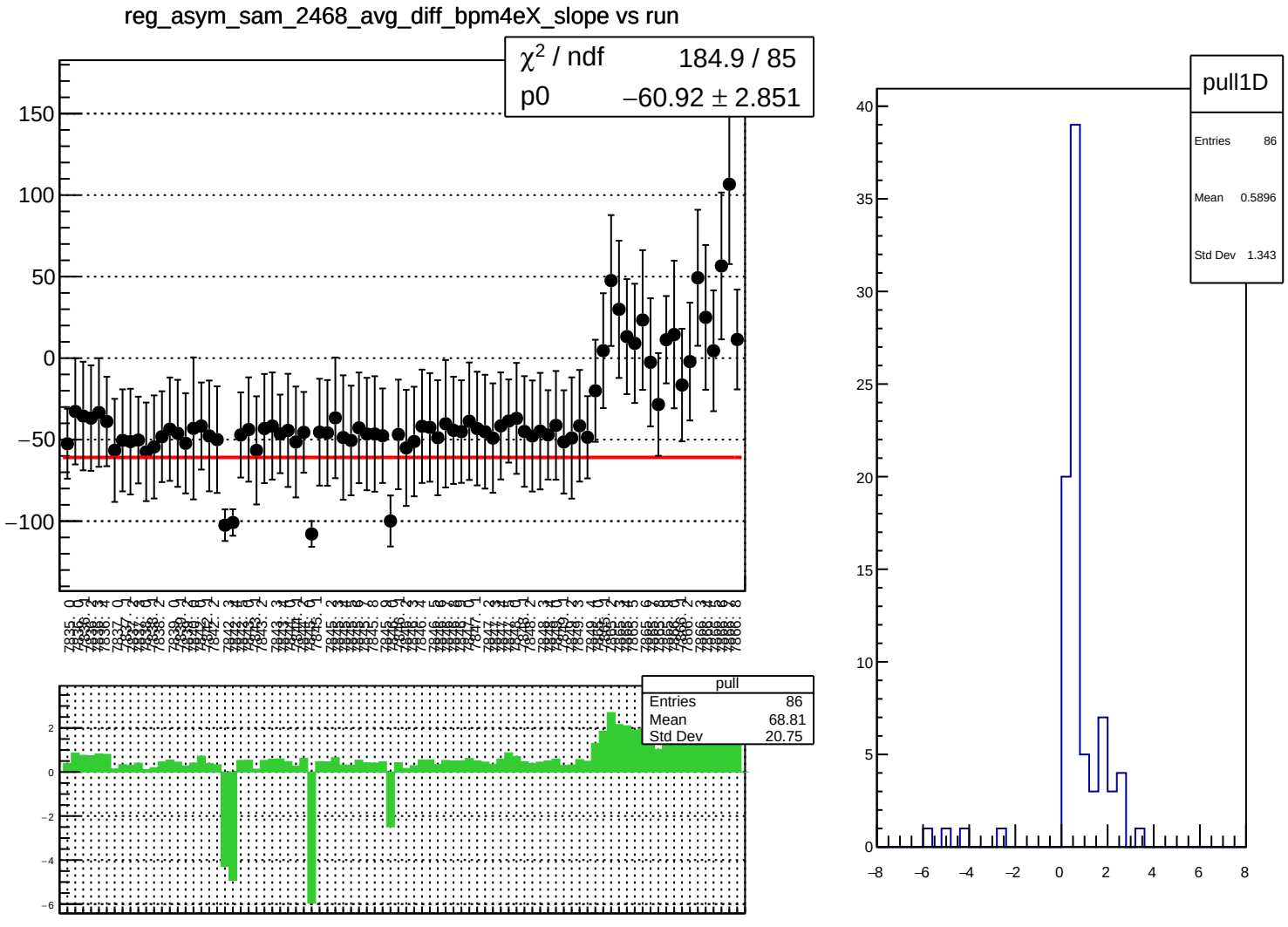

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.07 / 85
p0 9.559 ± 2.093
pull
Entries 86
Mean 129.3
Std Dev 72.66
pull1D
Entries 86
Mean −0.0638
Std Dev 0.4665

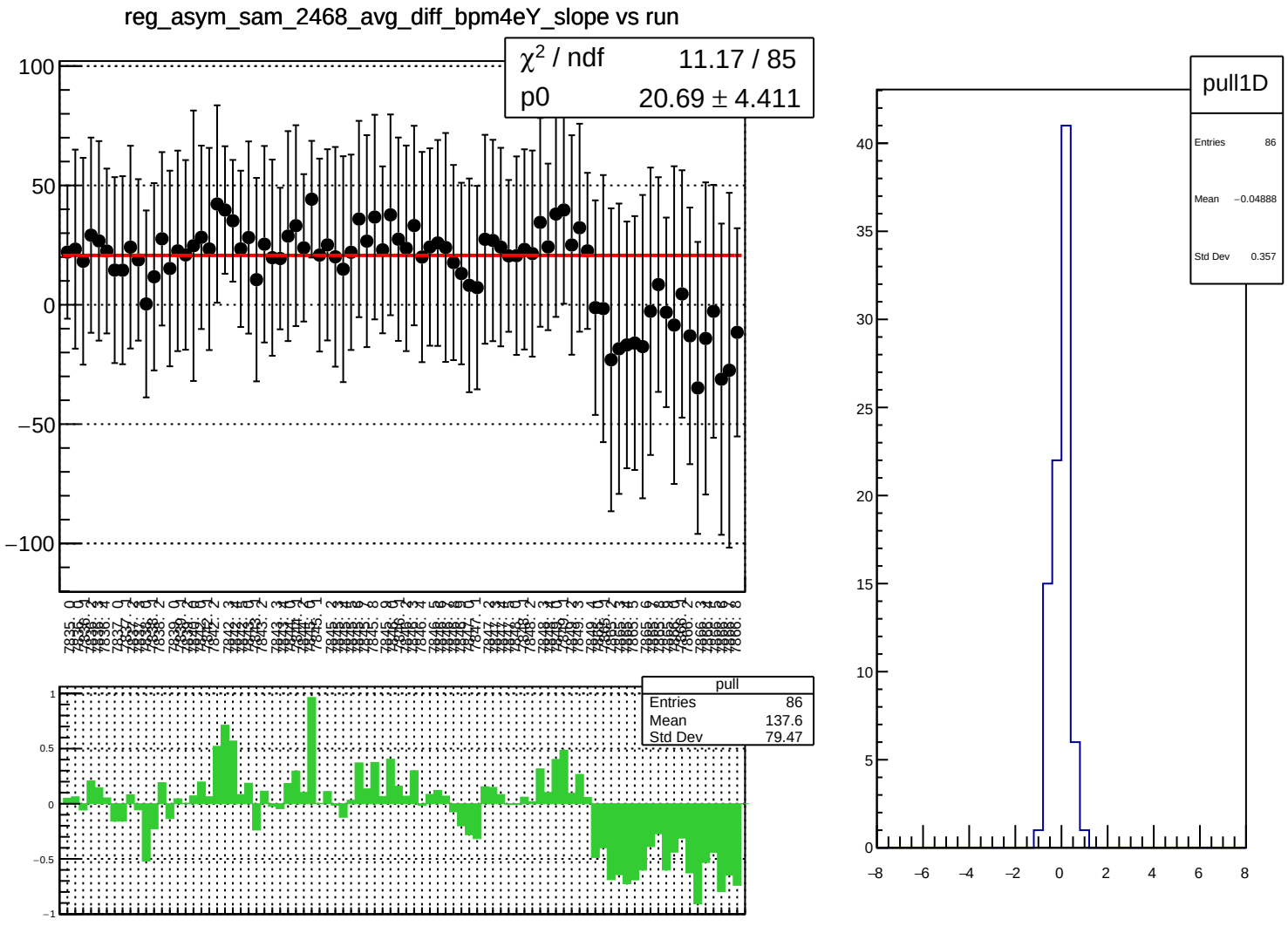

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 103 / 85
p0 −0.7652 ± 0.06248
pull
Entries 86
Mean 220.1
Std Dev 166.9
pull1D
Entries 86
Mean −0.1053
Std Dev 1.089

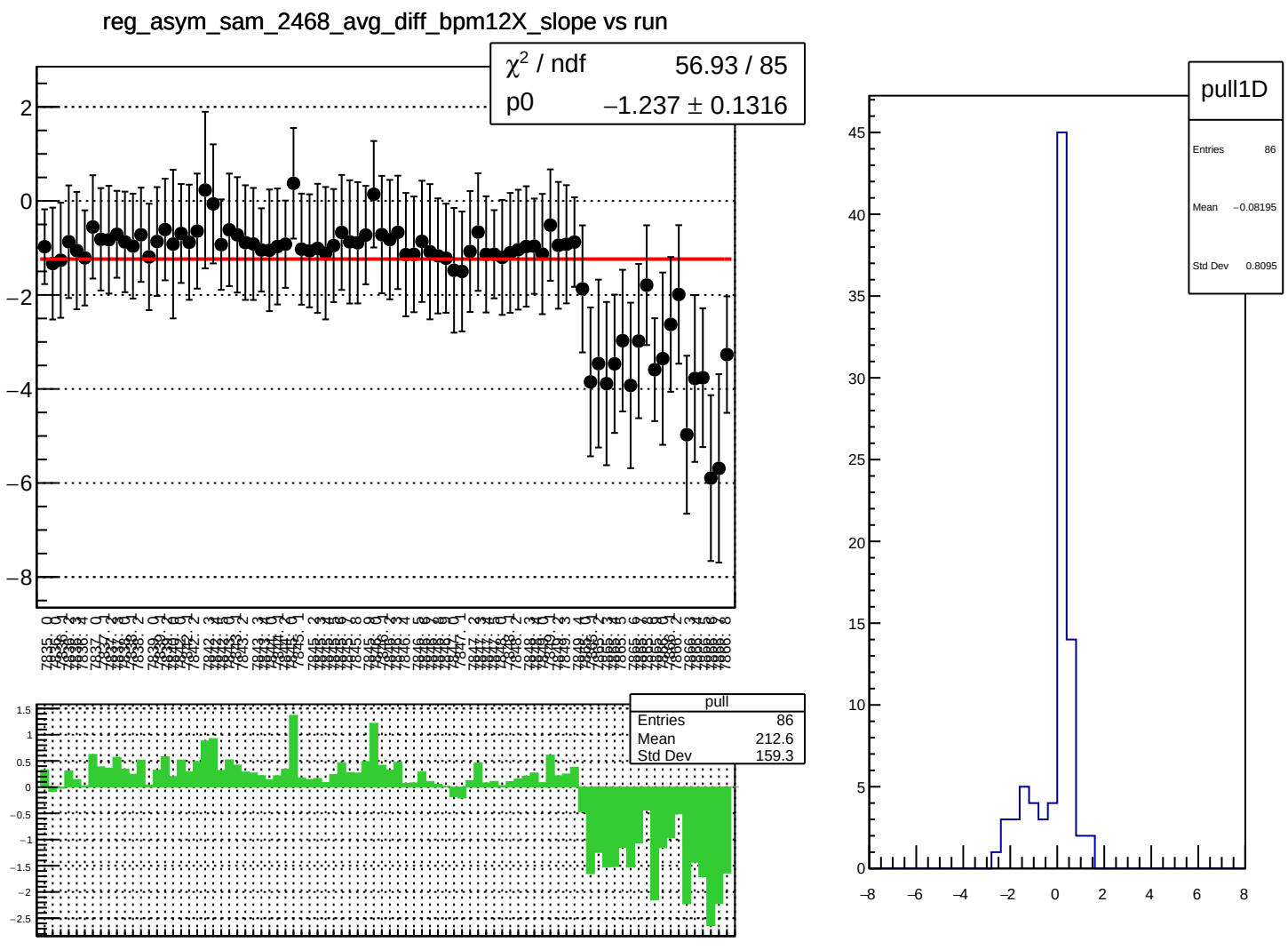

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 174.3 / 85
p0 −39.51 ± 3.256
pull
Entries 86
Mean 74.9
Std Dev 13.23
pull1D
Entries 86
Mean −0.5055
Std Dev 1.331

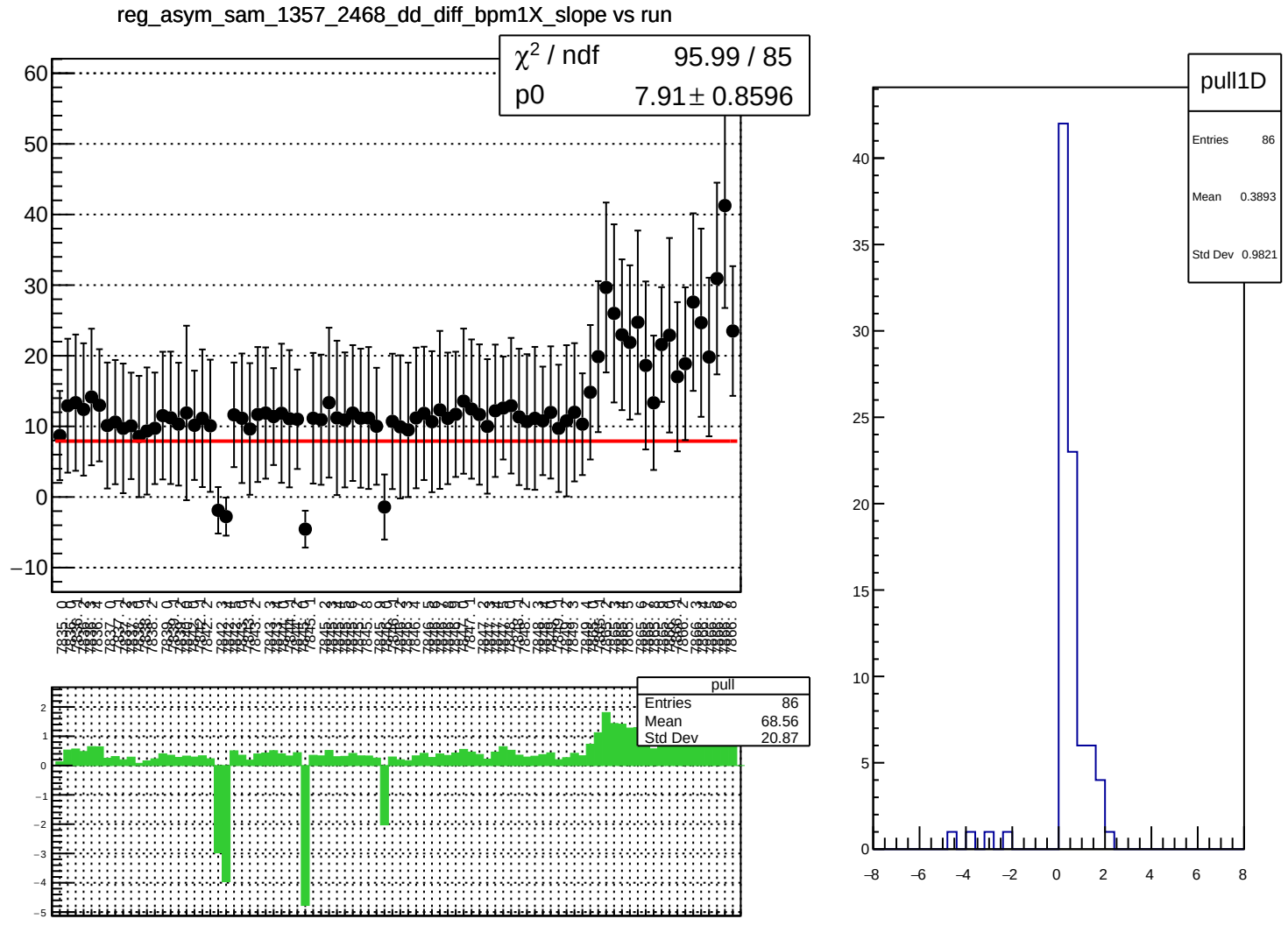

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.01 / 85
p0 15.41 ± 3.832
pull
Entries 86
Mean 124.7
Std Dev 67.94

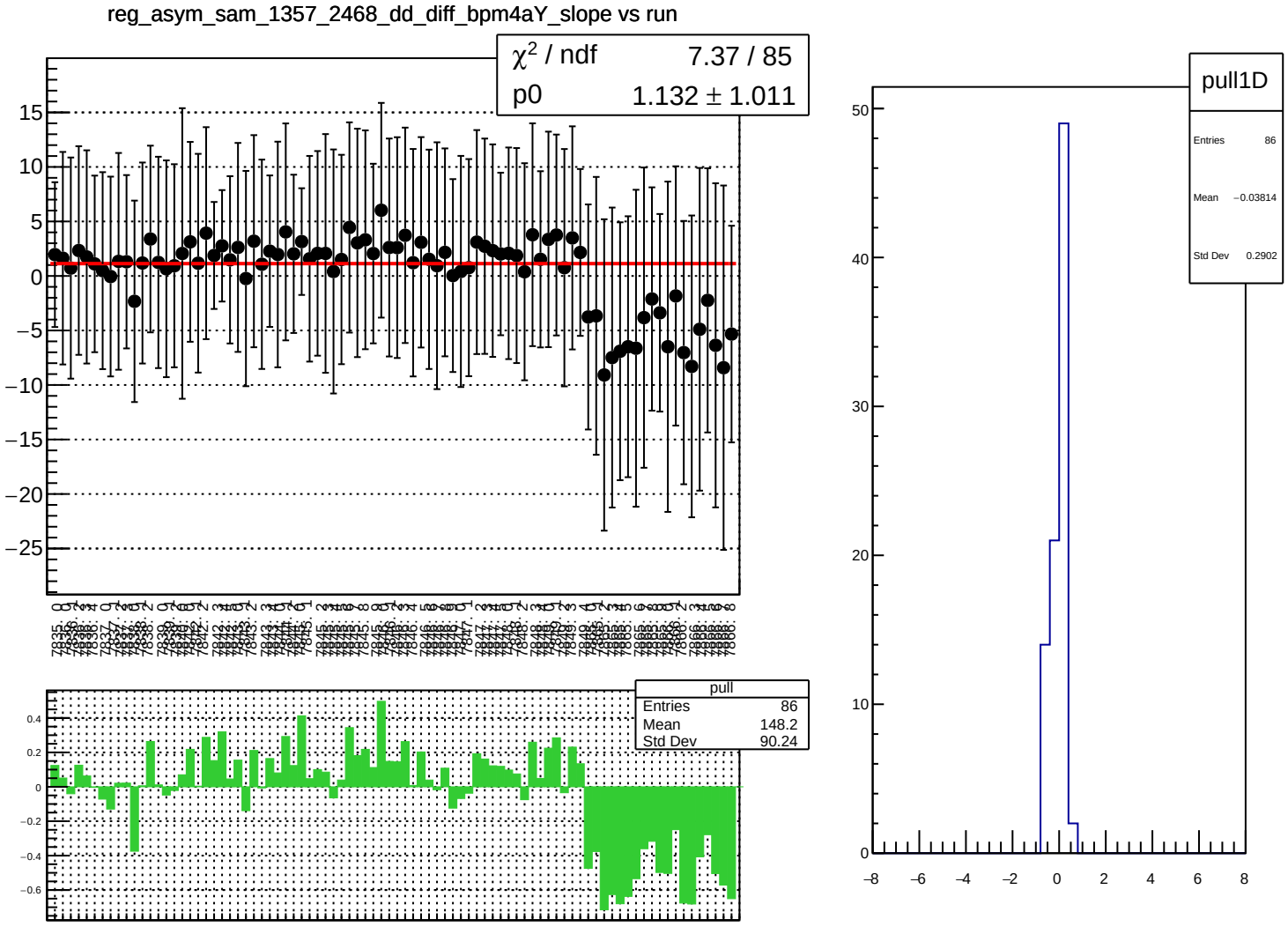

pull1D
Entries 86
Mean 0.06107
Std Dev 0.3687

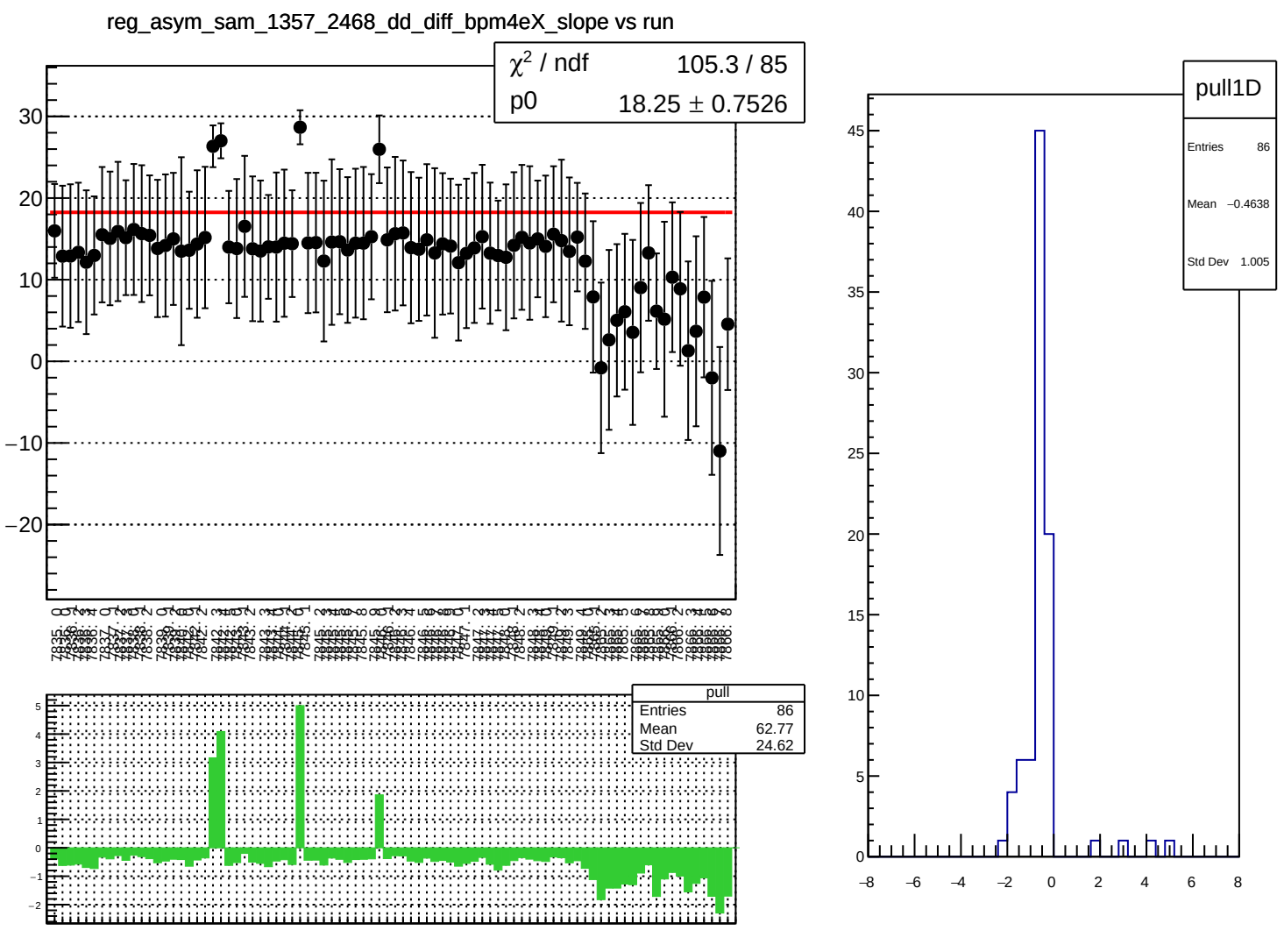

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 184.9 / 85
p0 −60.92 ± 2.851
150
100
50
0
−50
−100
pull
Entries 86
Mean 68.81
Std Dev 20.75
2
0
−2
−4
−6
pull1D
Entries 86
Mean 0.5896
Std Dev 1.343
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

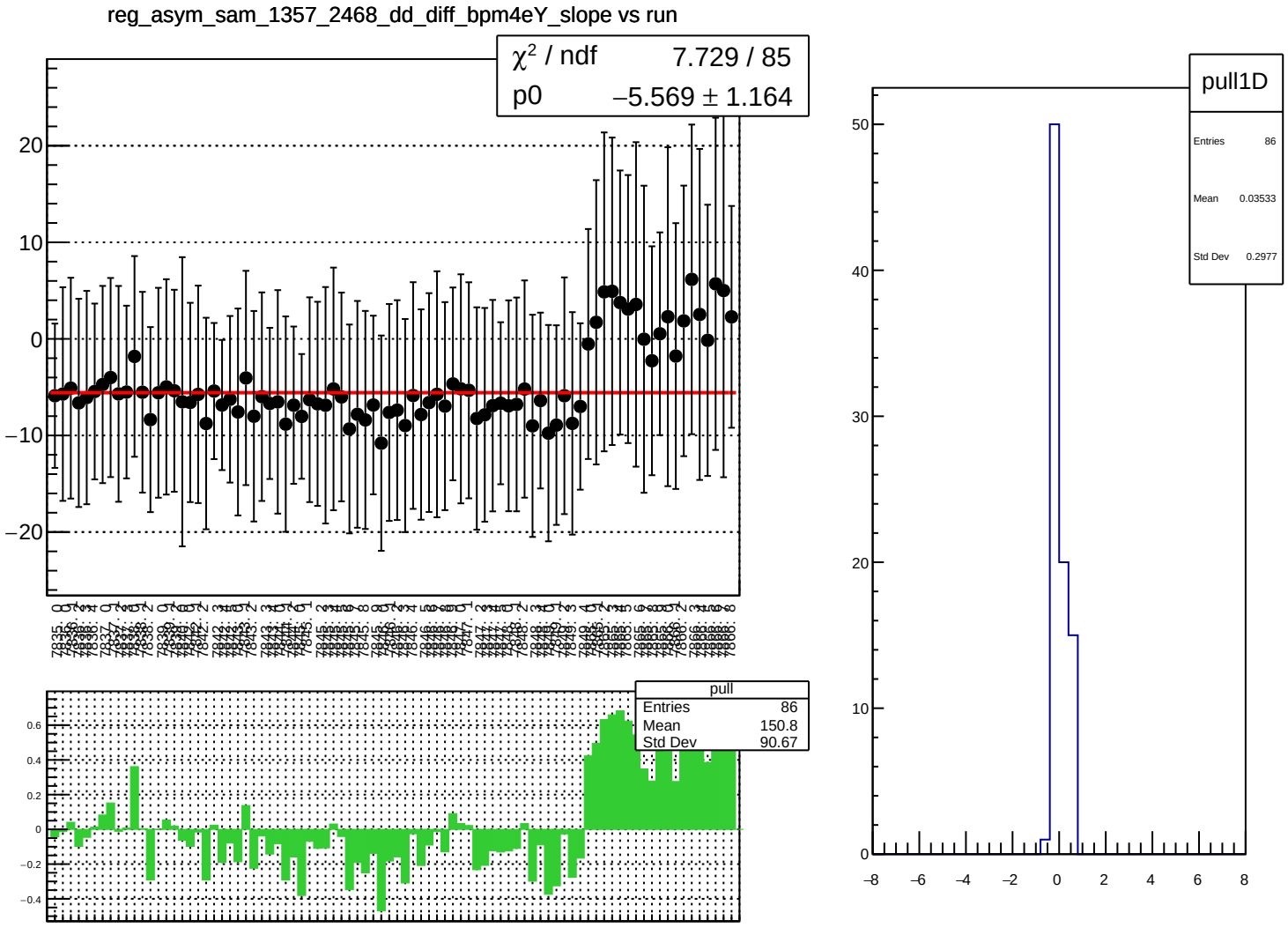

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.17 / 85
p0 20.69 ± 4.411
100
50
0
−50
−100
pull
Entries 86
Mean 137.6
Std Dev 79.47
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.04888
Std Dev 0.357
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

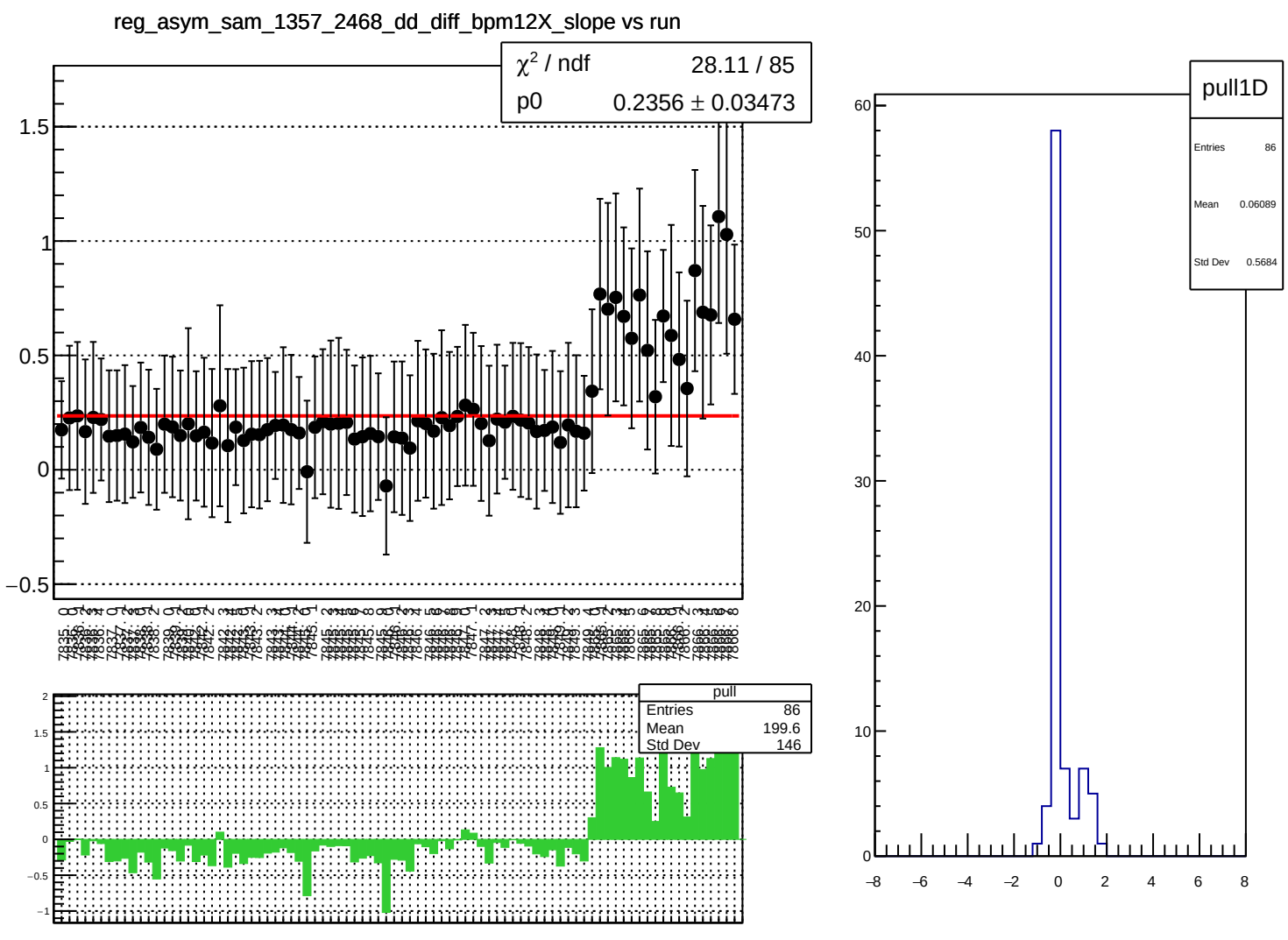

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 56.93 / 85
p0 −1.237 ± 0.1316
pull
Entries 86
Mean 212.6
Std Dev 159.3
pull1D
Entries 86
Mean −0.08195
Std Dev 0.8095

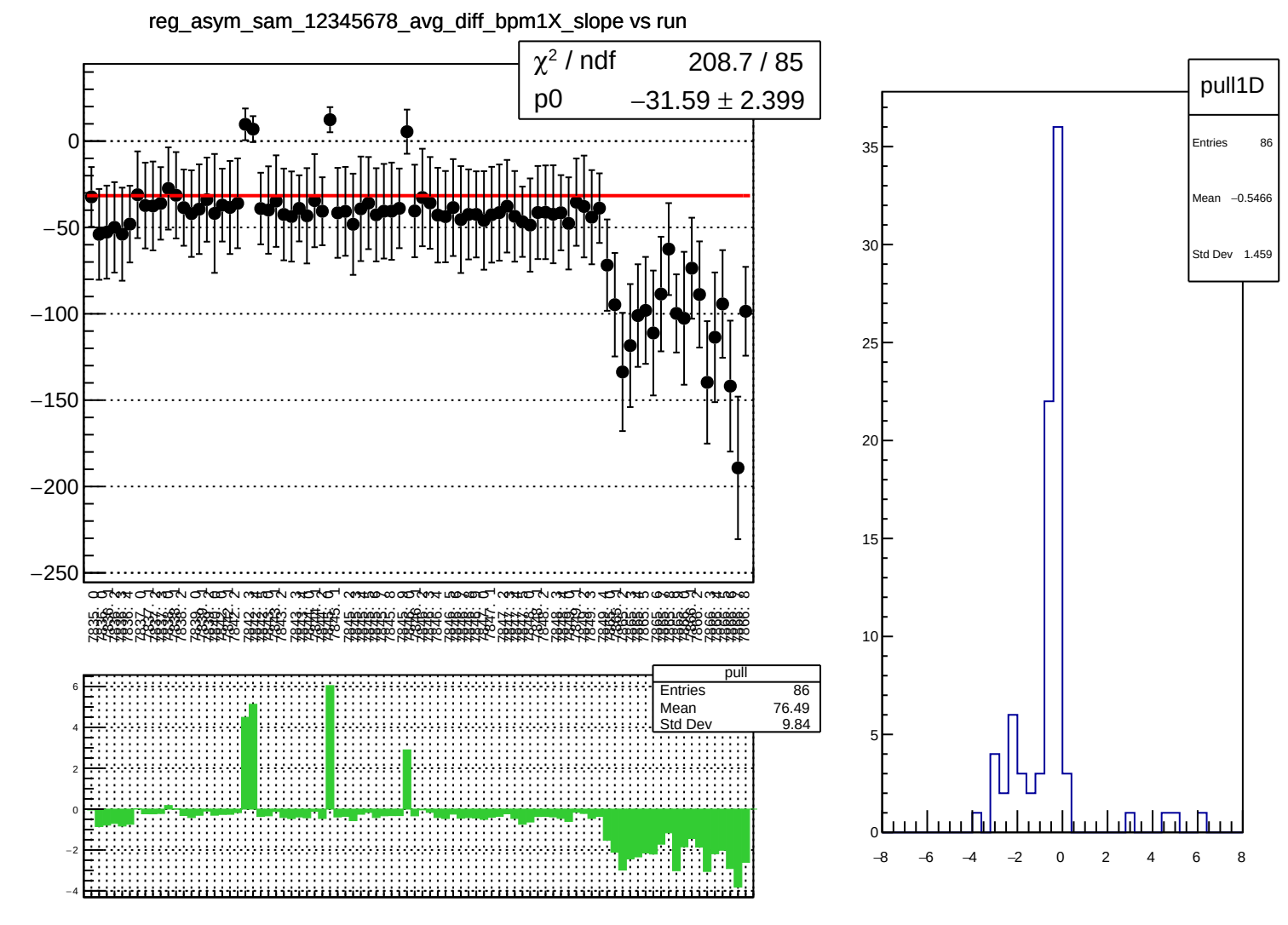

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 95.99 / 85
p0 7.91 ± 0.8596
pull
Entries 86
Mean 68.56
Std Dev 20.87
pull1D
Entries 86
Mean 0.3893
Std Dev 0.9821

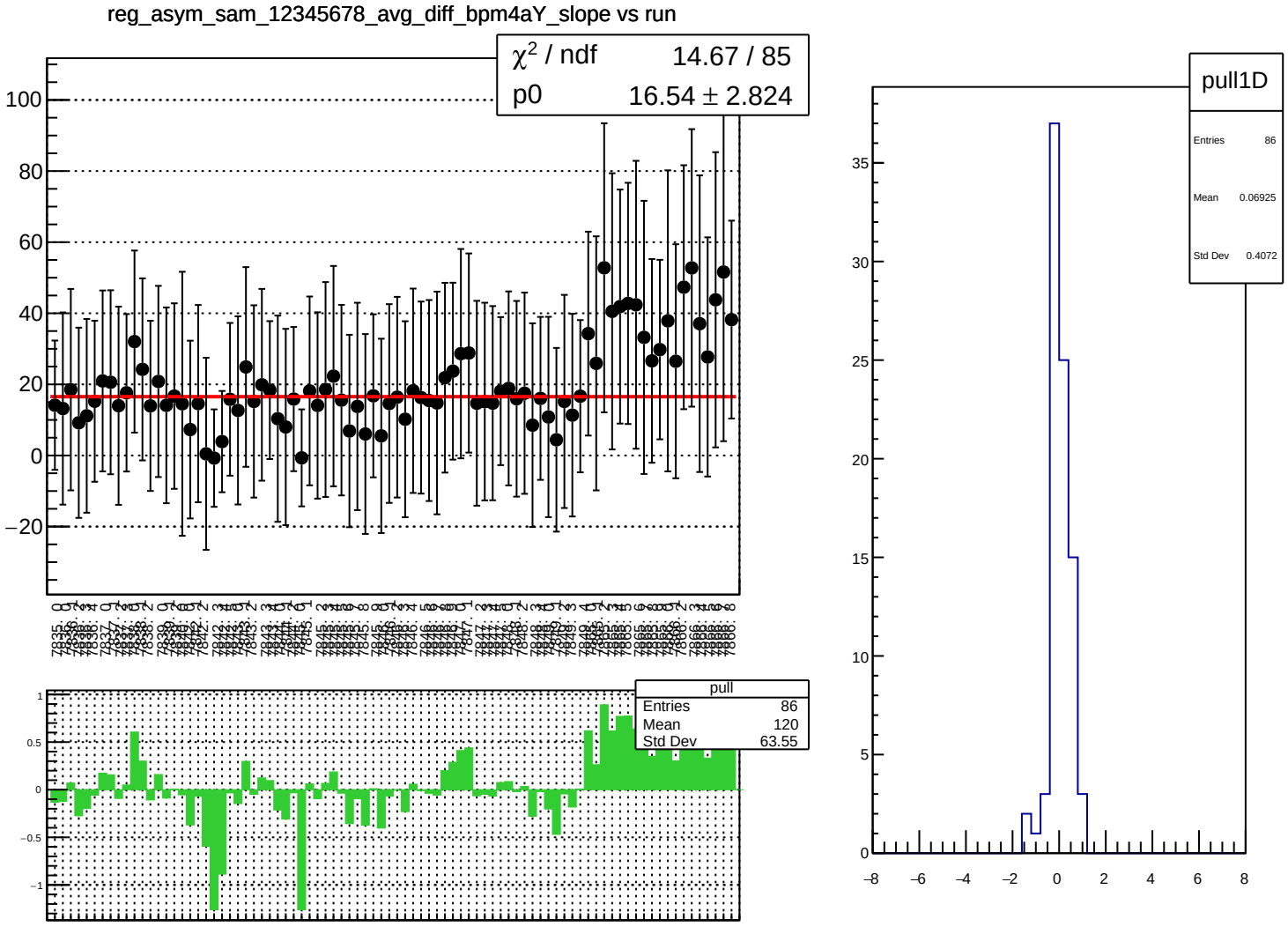

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.37 / 85
p0 1.132 ± 1.011
pull
Entries 86
Mean 148.2
Std Dev 90.24
pull1D
Entries 86
Mean −0.03814
Std Dev 0.2902

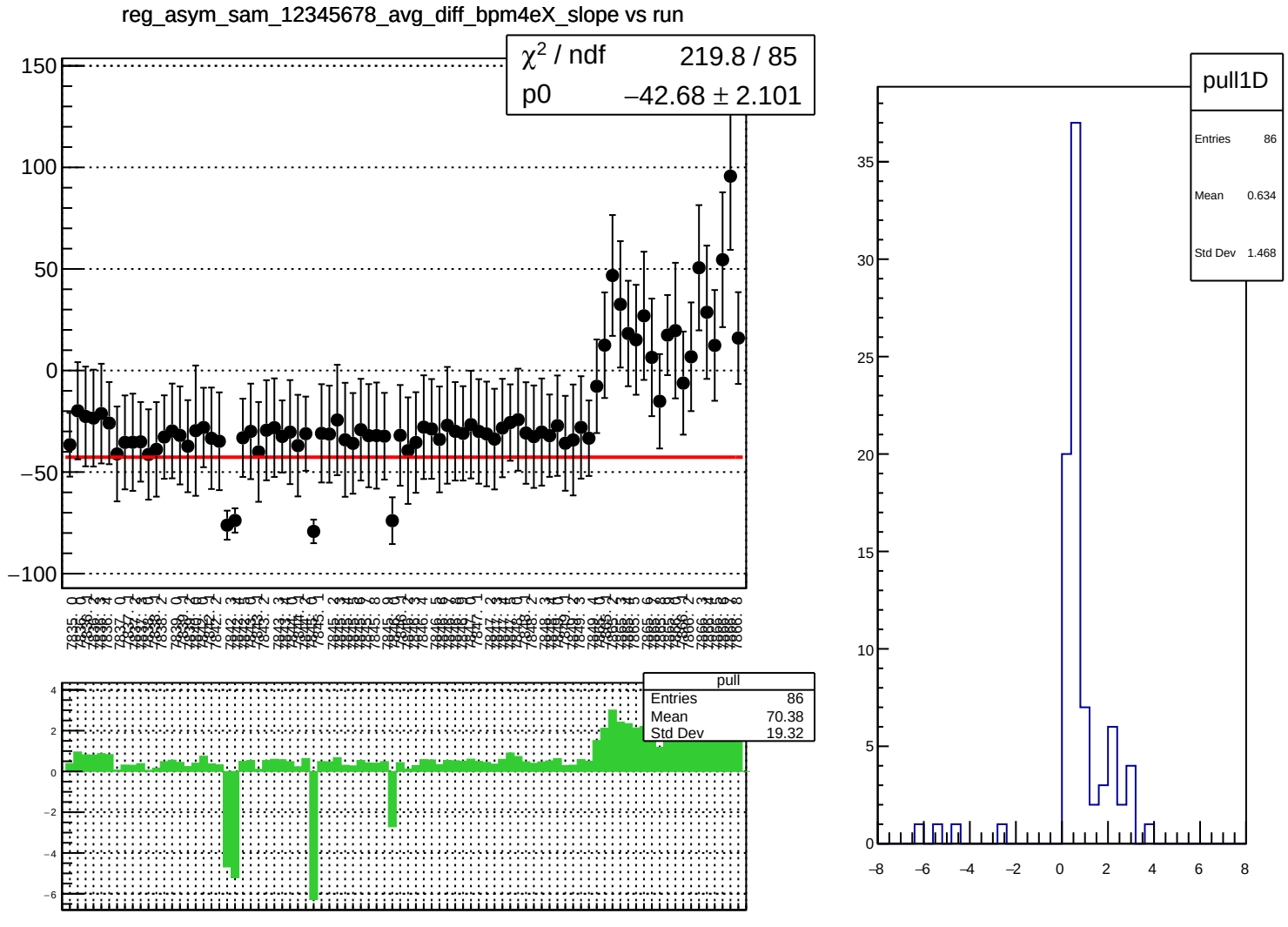

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 105.3 / 85
p0 18.25 ± 0.7526
pull
Entries 86
Mean 62.77
Std Dev 24.62
pull1D
Entries 86
Mean −0.4638
Std Dev 1.005

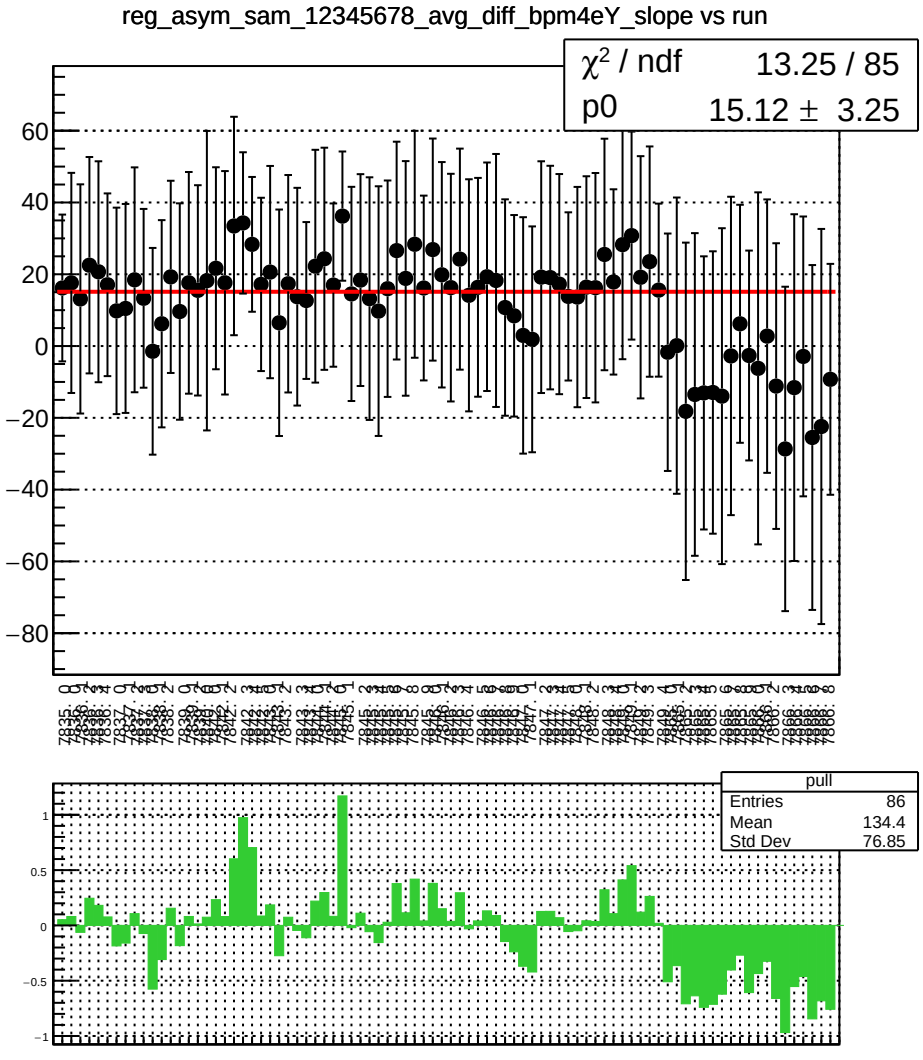

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 7.729 / 85
p0 −5.569 ± 1.164
pull
Entries 86
Mean 150.8
Std Dev 90.67
pull1D
Entries 86
Mean 0.03533
Std Dev 0.2977

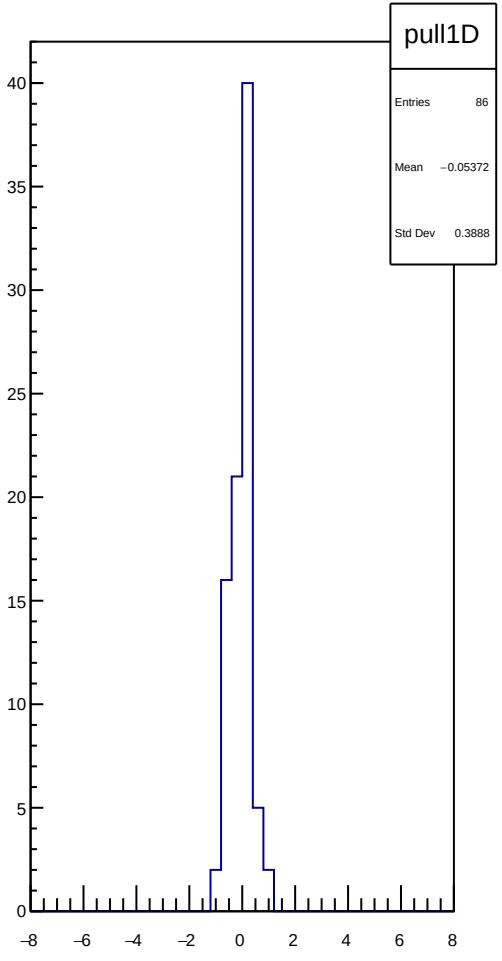

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 28.11 / 85
p0 0.2356 ± 0.03473
pull
Entries 86
Mean 199.6
Std Dev 146
pull1D
Entries 86
Mean 0.06089
Std Dev 0.5684

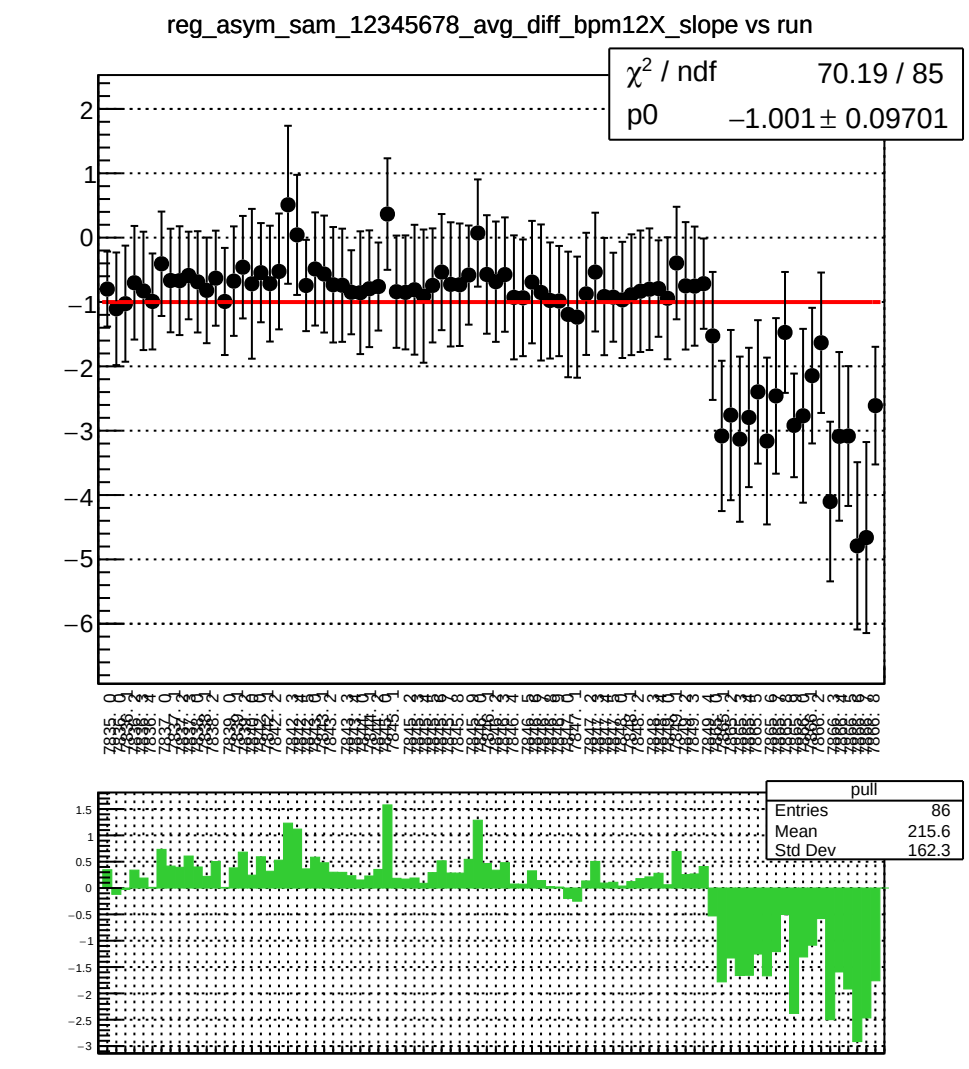

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 208.7 / 85
p0 −31.59 ± 2.399
0
−50
−100
−150
−200
−250
pull
Entries 86
Mean 76.49
Std Dev 9.84
6
4
2
0
−2
−4
pull1D
Entries 86
Mean −0.5466
Std Dev 1.459
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

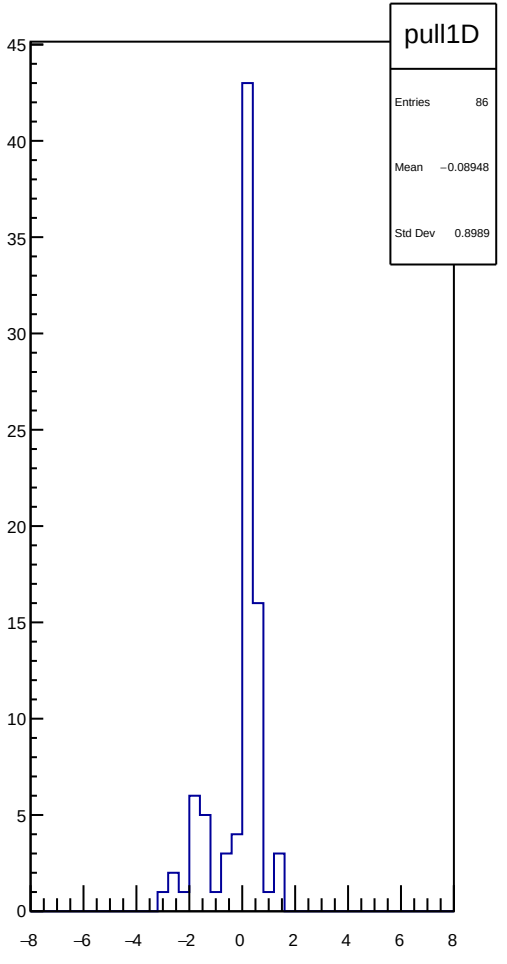

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.67 / 85
p0 16.54 ± 2.824
pull
Entries 86
Mean 120
Std Dev 63.55
pull1D
Entries 86
Mean 0.06925
Std Dev 0.4072

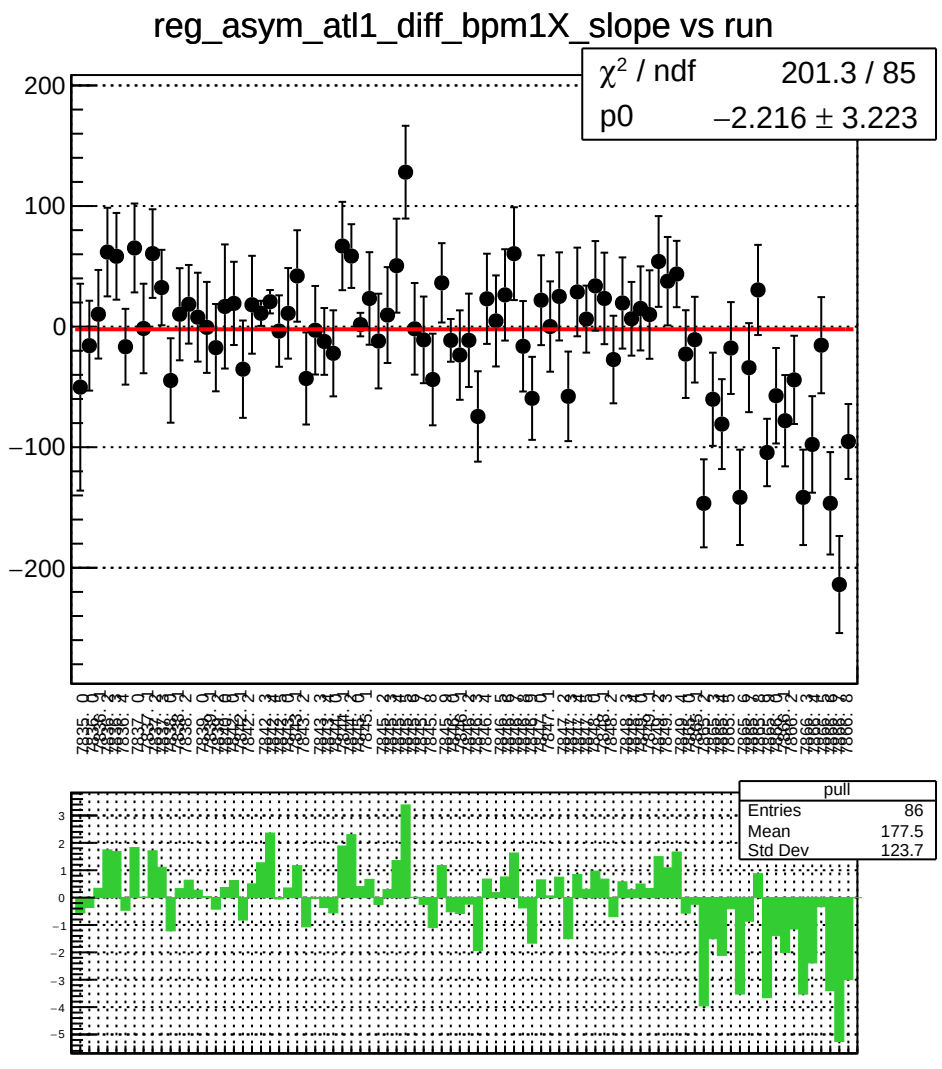

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 219.8 / 85
p0 −42.68 ± 2.101
150
100
50
0
−50
−100
pull
Entries 86
Mean 70.38
Std Dev 19.32
4
2
0
−2
−4
−6
pull1D
Entries 86
Mean 0.634
Std Dev 1.468
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

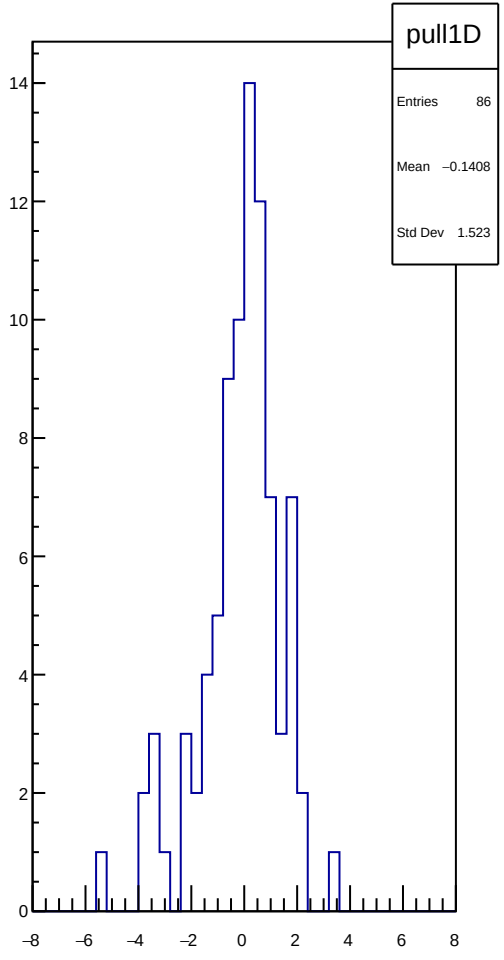

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.25 / 85
p0 15.12 ± 3.25
pull
Entries 86
Mean 134.4
Std Dev 76.85

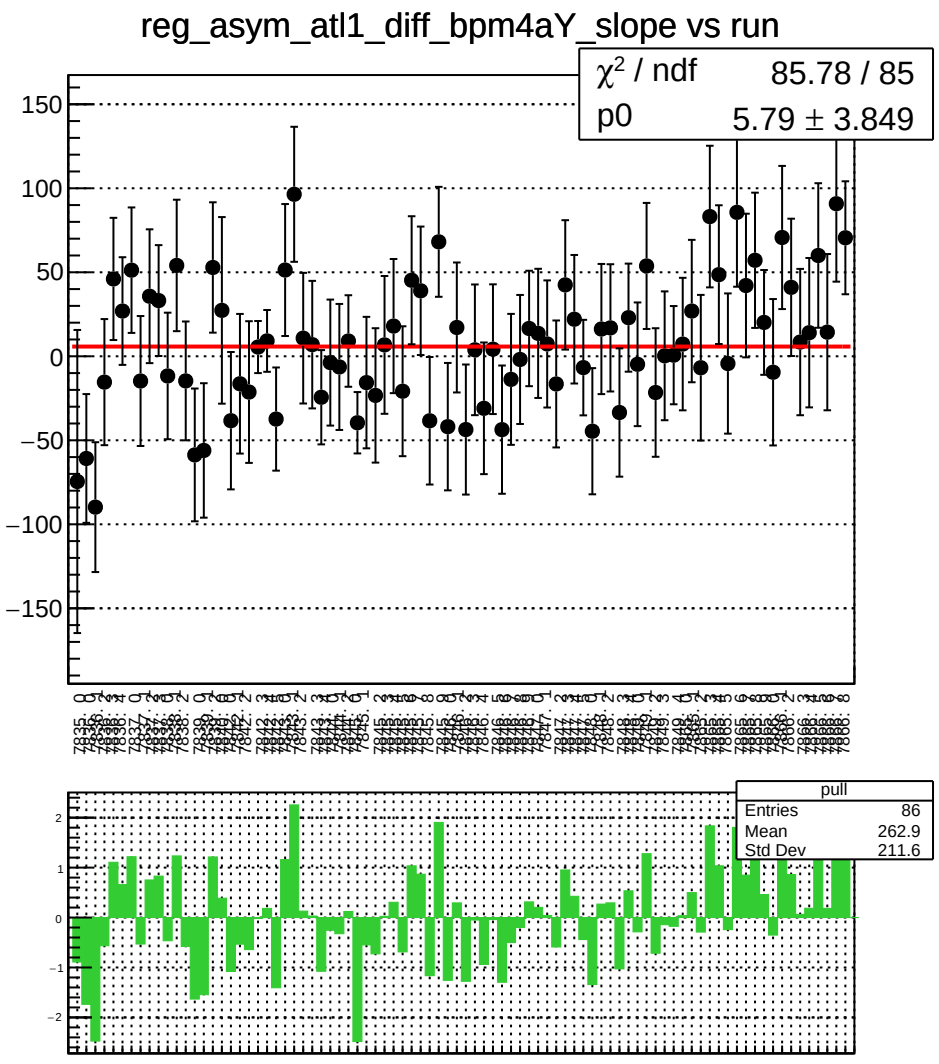

pull1D
Entries 86
Mean −0.05372
Std Dev 0.3888

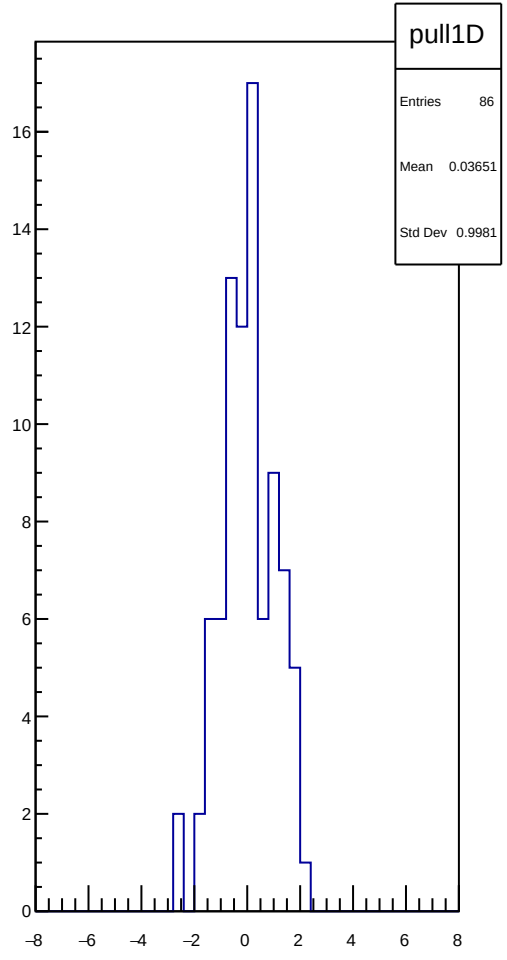

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 70.19 / 85
p0 −1.001 ± 0.09701
pull
Entries 86
Mean 215.6
Std Dev 162.3

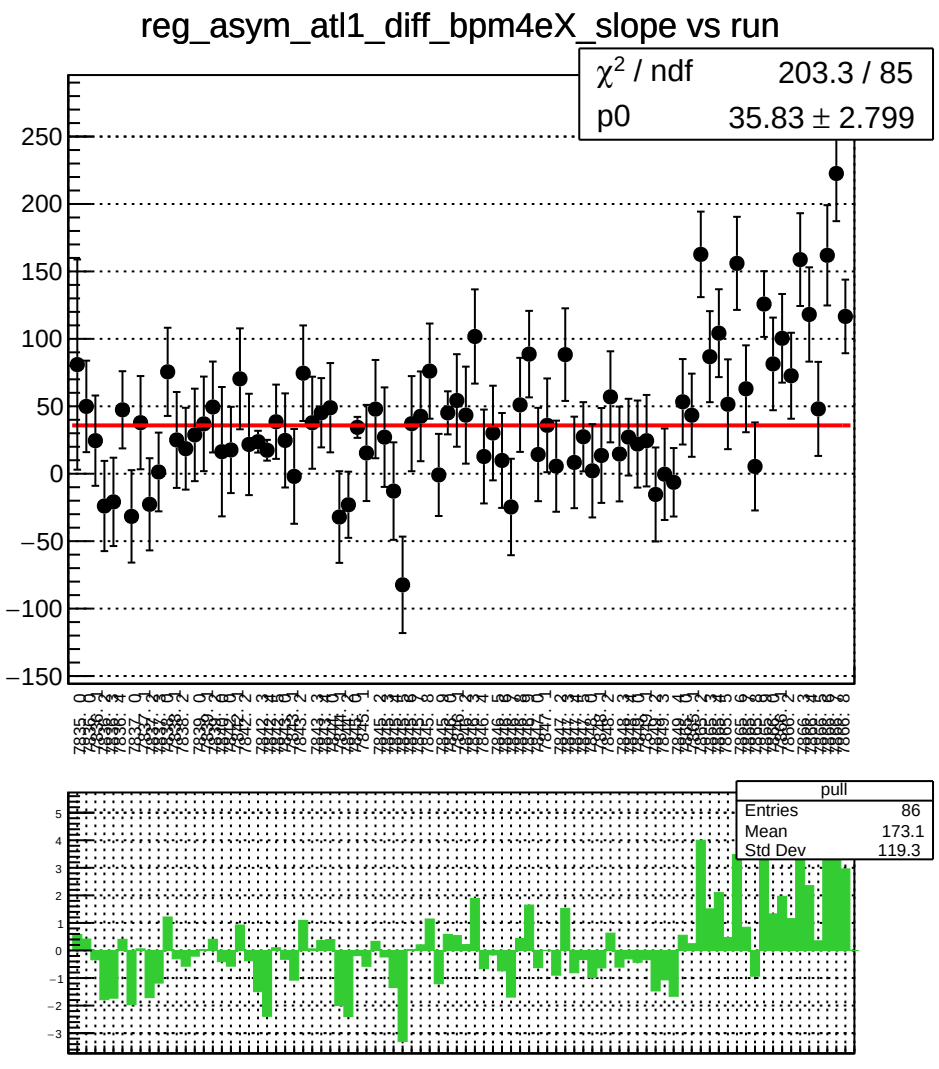

pull1D
Entries 86
Mean −0.08948
Std Dev 0.8989

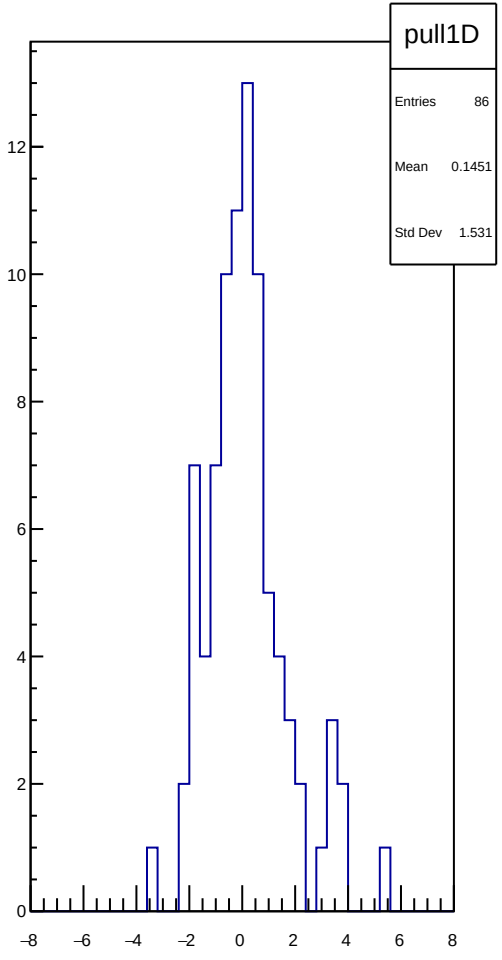

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 201.3 / 85
p0 −2.216 ± 3.223
200
100
0
−100
−200
pull
Entries 86
Mean 177.5
Std Dev 123.7
3
2
1
0
−1
−2
−3
−4
−5

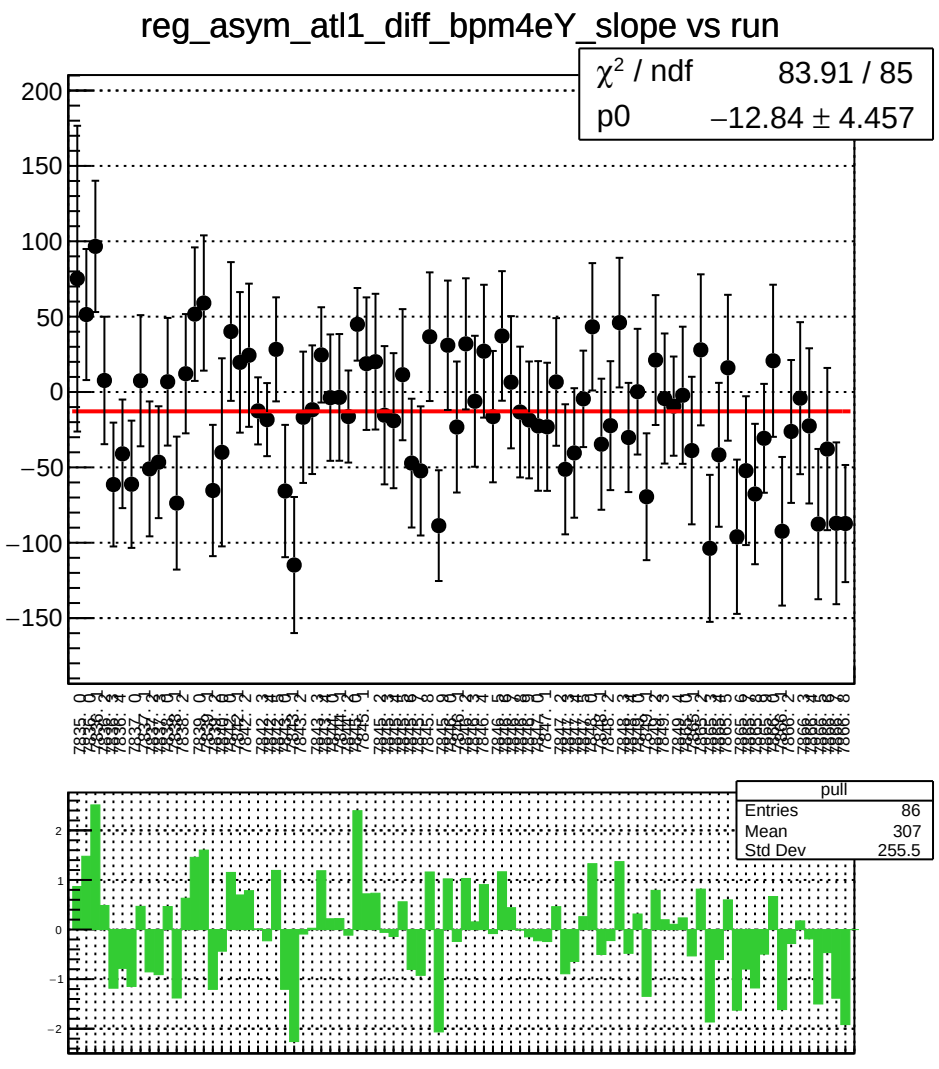

pull1D
Entries 86
Mean −0.1408
Std Dev 1.523
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

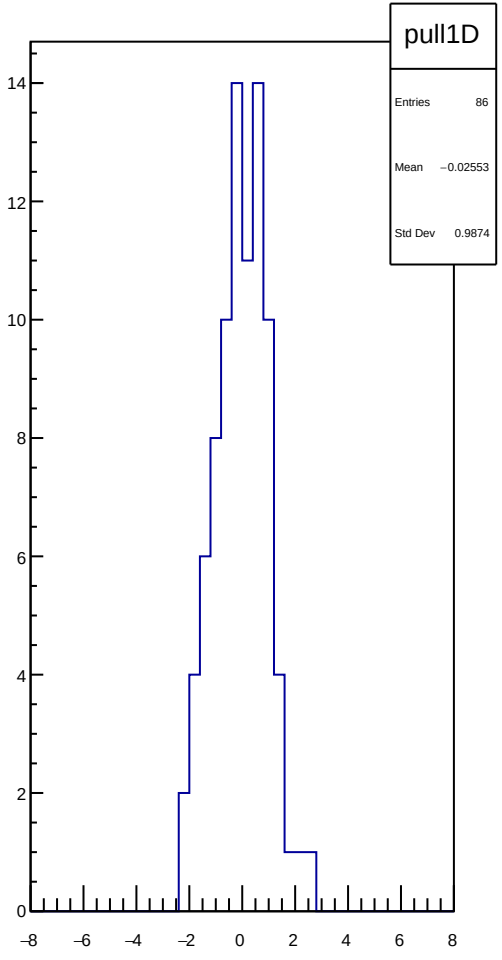

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 85.78 / 85
p0 5.79 ± 3.849
150
100
50
0
−50
−100
−150
pull
Entries 86
Mean 262.9
Std Dev 211.6
2
1
0
−1
−2

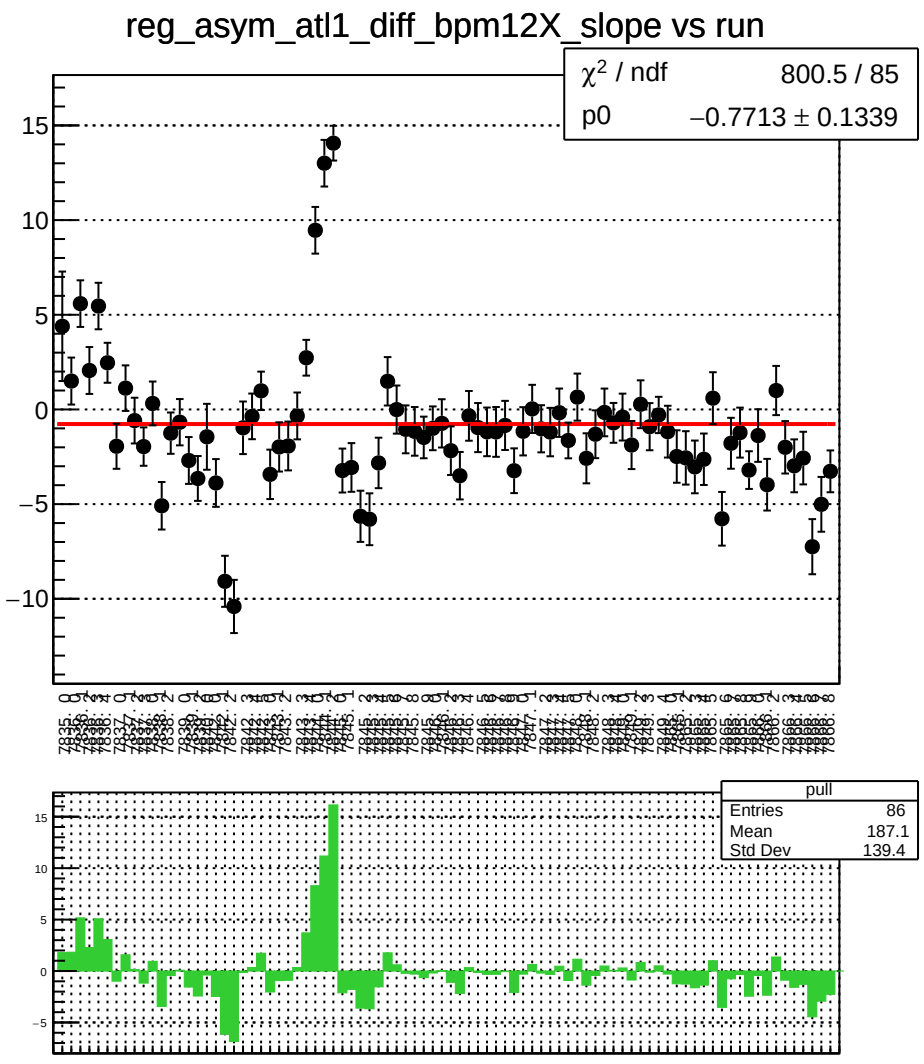

pull1D
Entries 86
Mean 0.03651
Std Dev 0.9981
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

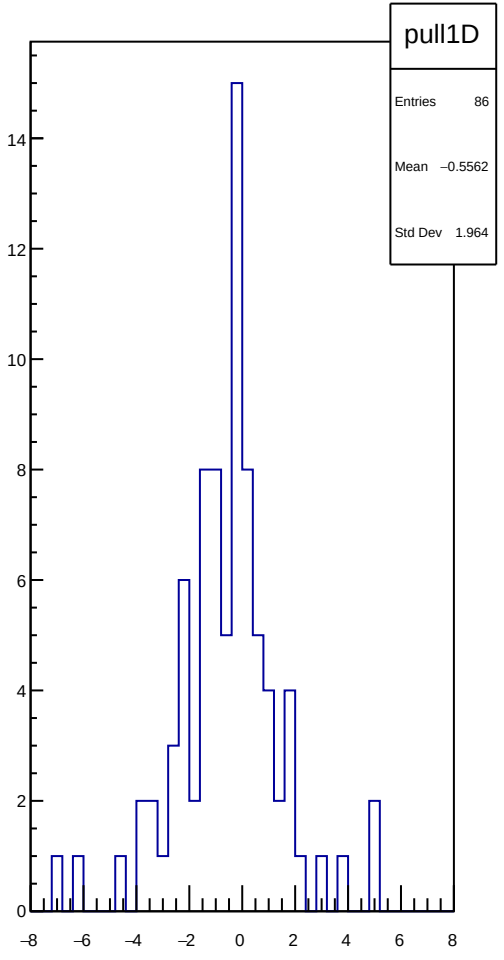

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 203.3 / 85
p0 35.83 ± 2.799
pull
Entries 86
Mean 173.1
Std Dev 119.3

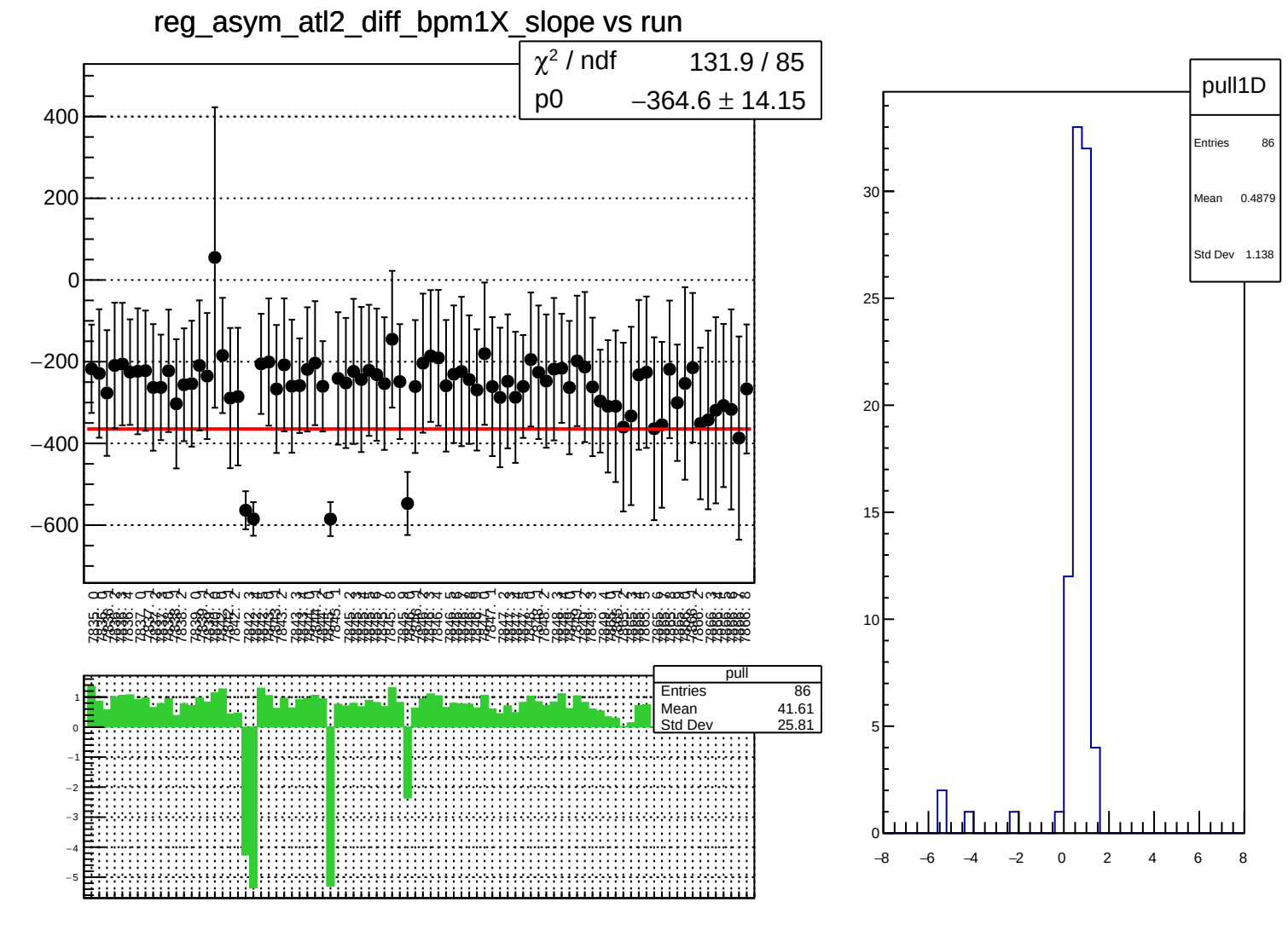

pull1D
Entries 86
Mean 0.1451
Std Dev 1.531

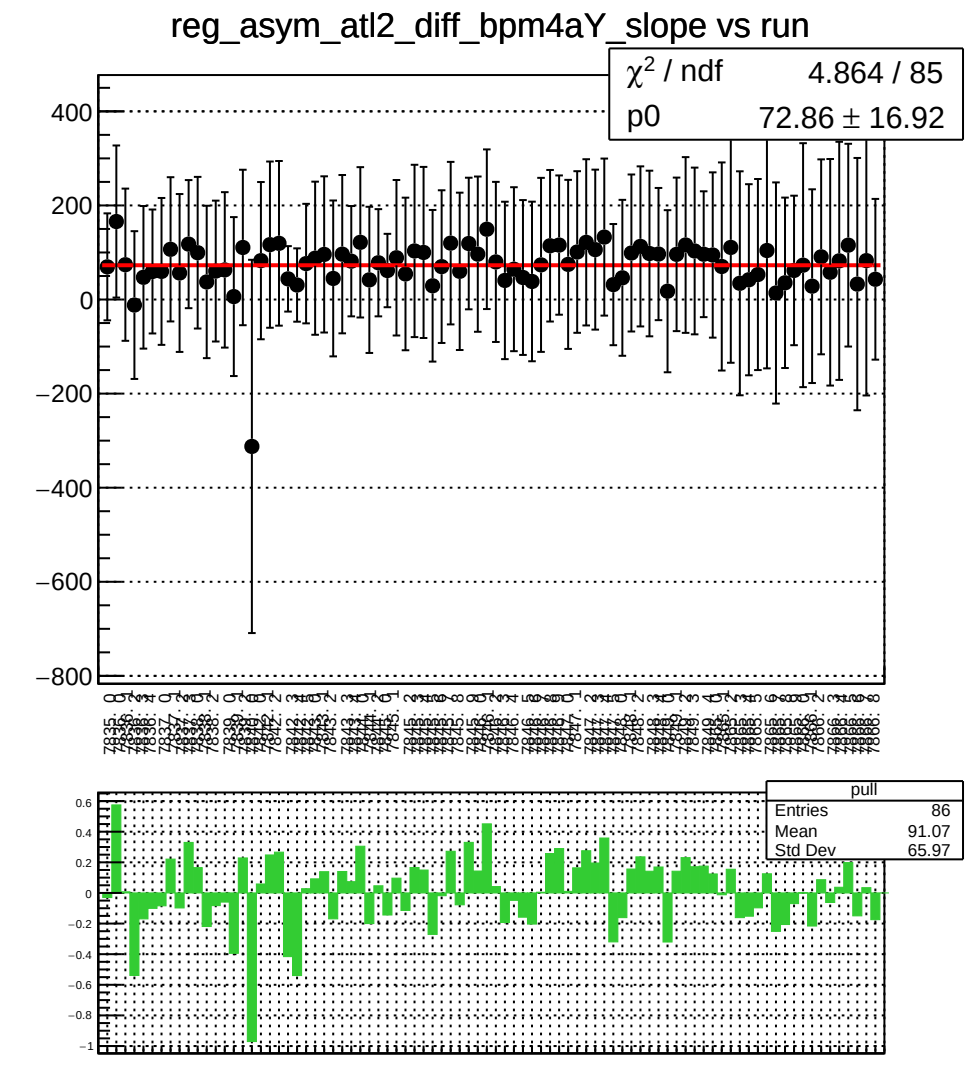

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 83.91 / 85
p0 −12.84 ± 4.457
pull
Entries 86
Mean 307
Std Dev 255.5

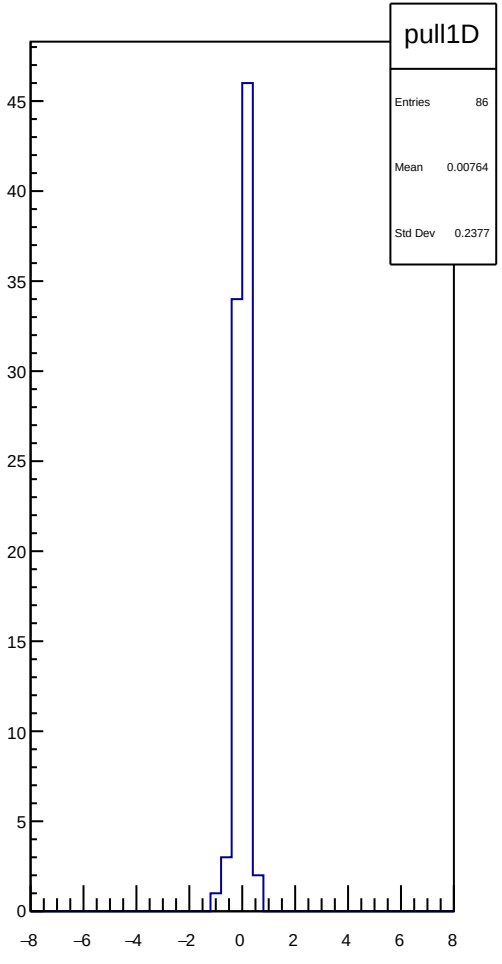

pull1D
Entries 86
Mean −0.02553
Std Dev 0.9874

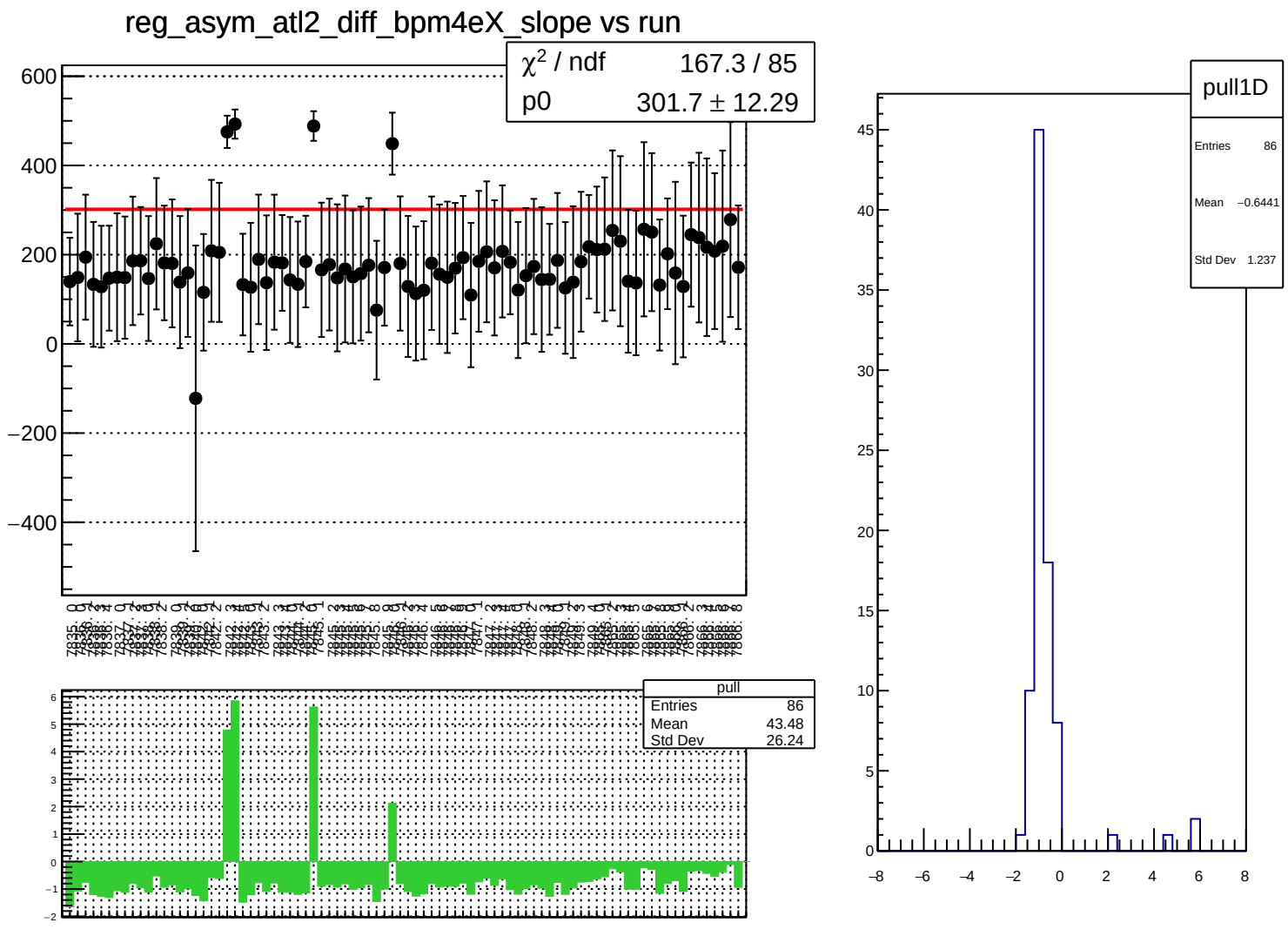

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 800.5 / 85
p0 −0.7713 ± 0.1339
pull
Entries 86
Mean 187.1
Std Dev 139.4

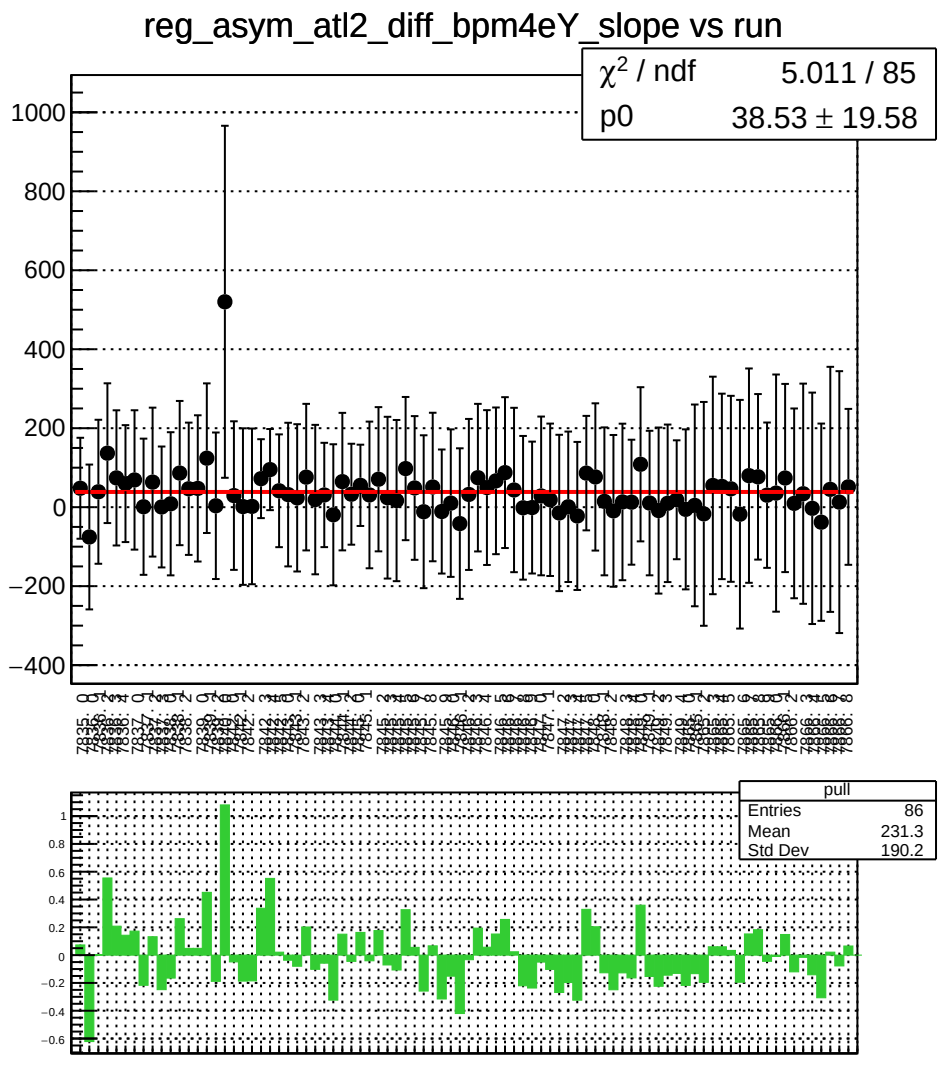

pull1D
Entries 86
Mean −0.5562
Std Dev 1.964

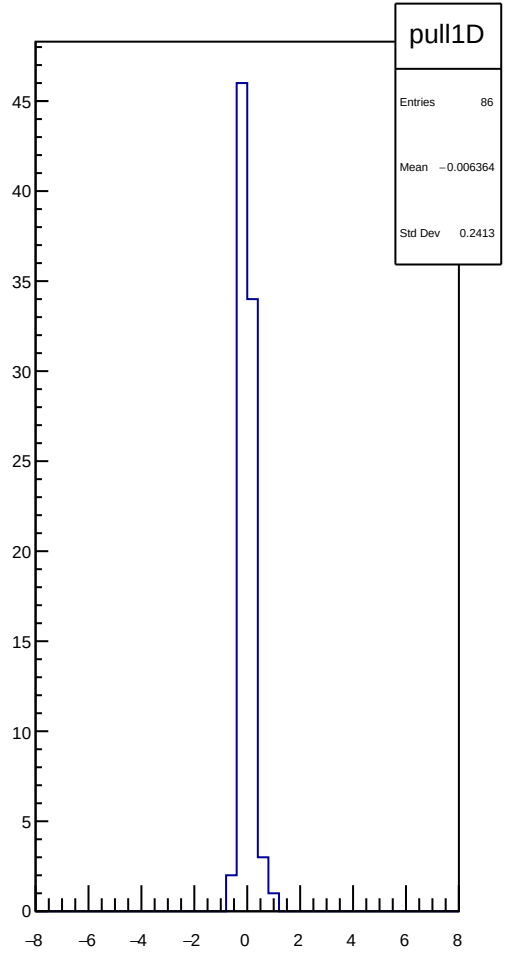

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 131.9 / 85
p0 −364.6 ± 14.15
400
200
0
−200
−400
−600
pull
Entries 86
Mean 41.61
Std Dev 25.81
1
0
−1
−2
−3
−4
−5
pull1D
Entries 86
Mean 0.4879
Std Dev 1.138
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

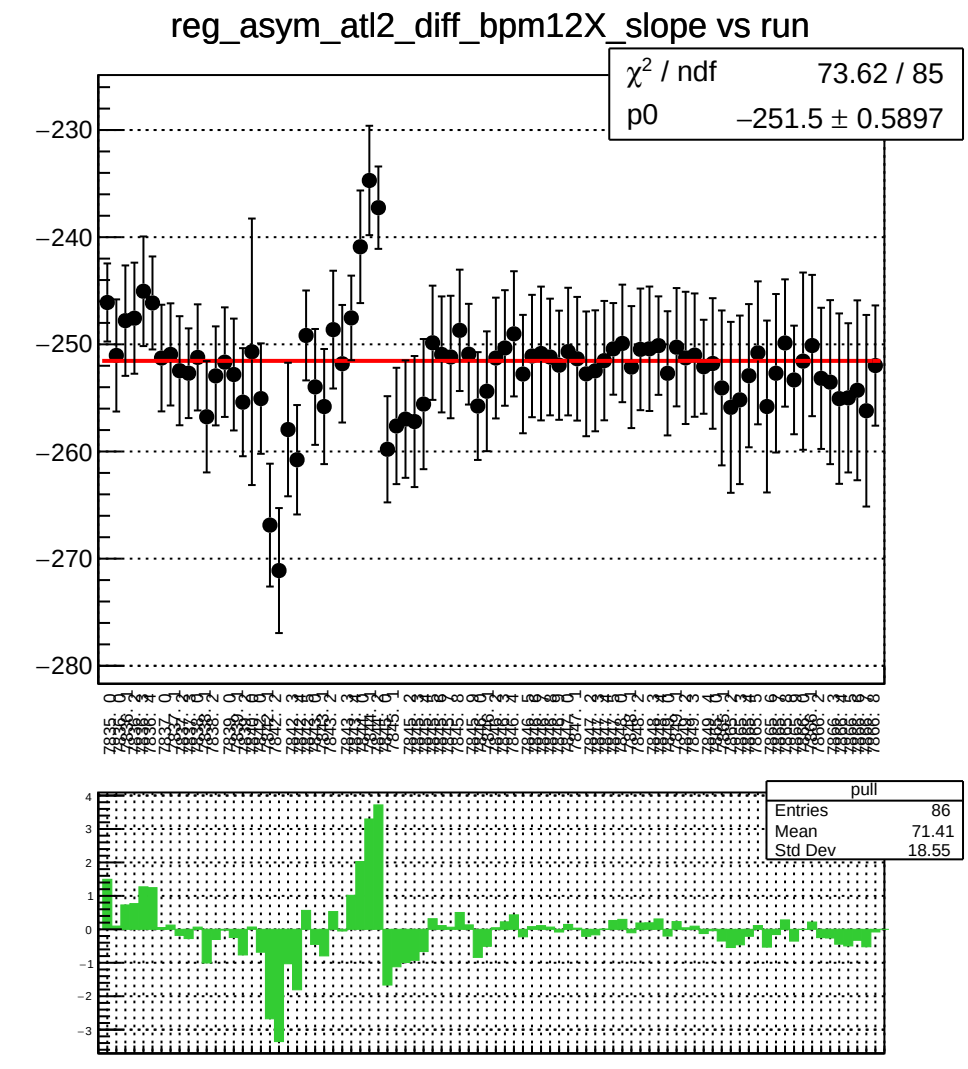

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 4.864 / 85
p0 72.86 ± 16.92
pull
Entries 86
Mean 91.07
Std Dev 65.97

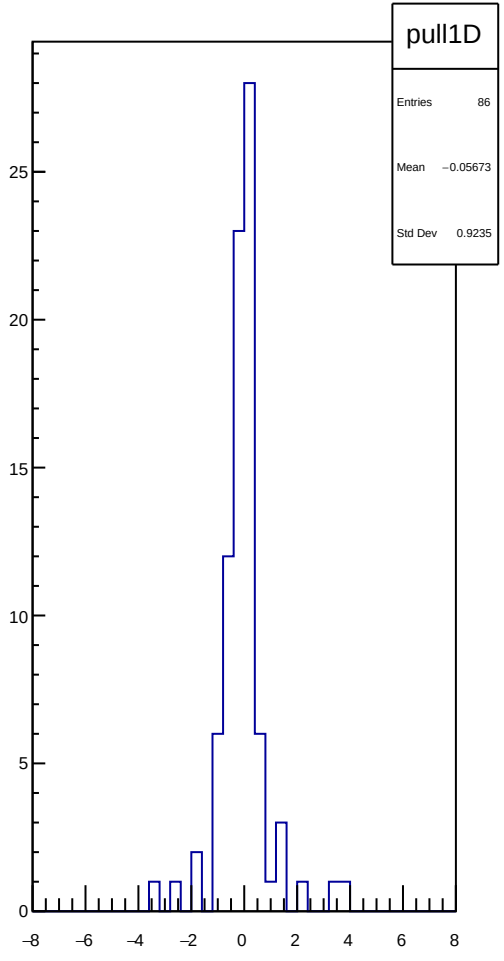

pull1D
Entries 86
Mean 0.00764
Std Dev 0.2377

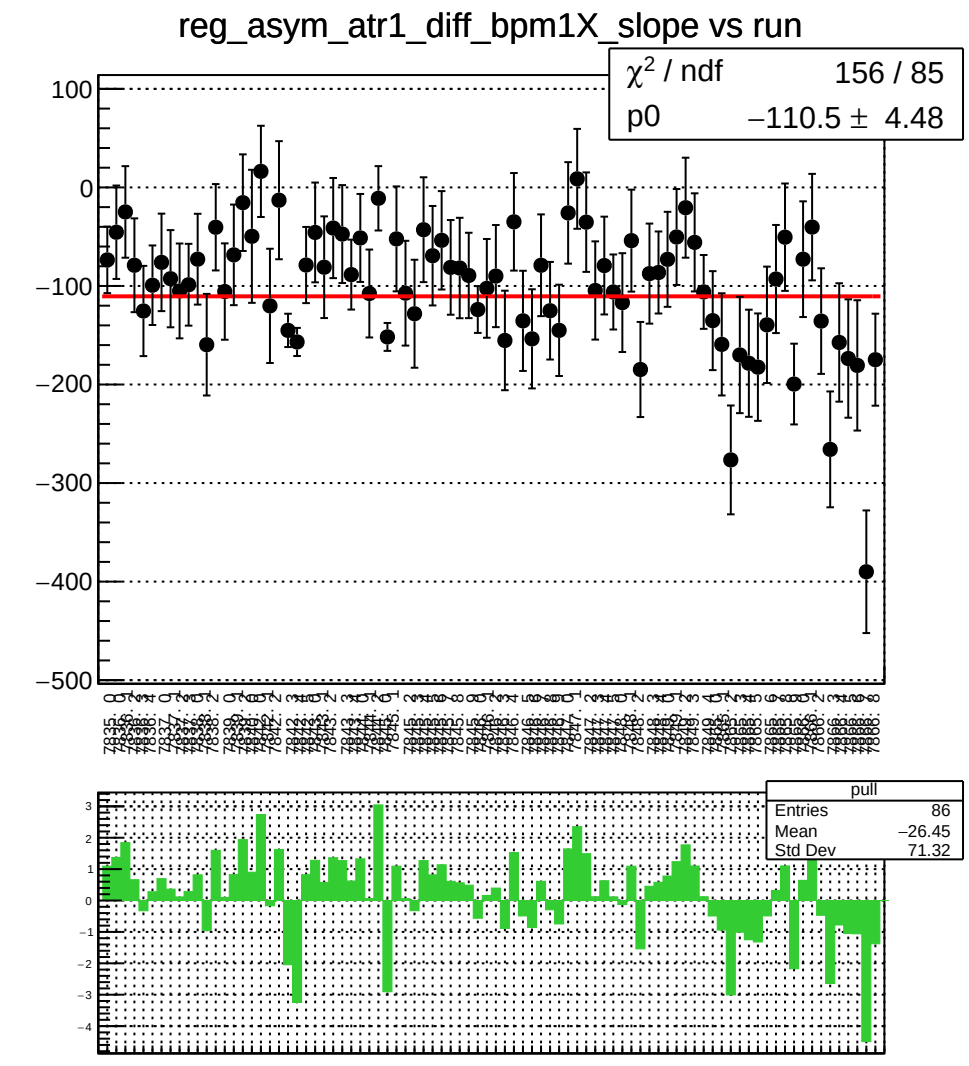

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 167.3 / 85
p0 301.7 ± 12.29
pull
Entries 86
Mean 43.48
Std Dev 26.24
pull1D
Entries 86
Mean −0.6441
Std Dev 1.237

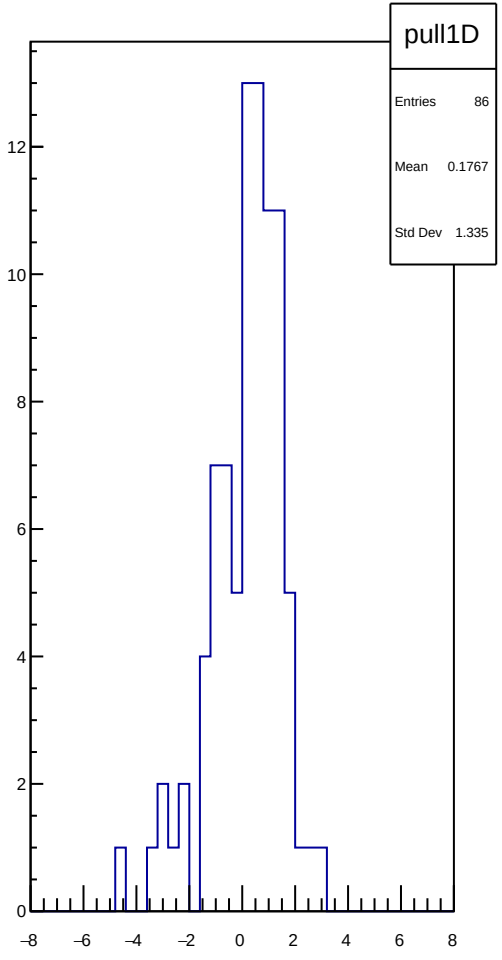

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.011 / 85
p0 38.53 ± 19.58
pull
Entries 86
Mean 231.3
Std Dev 190.2

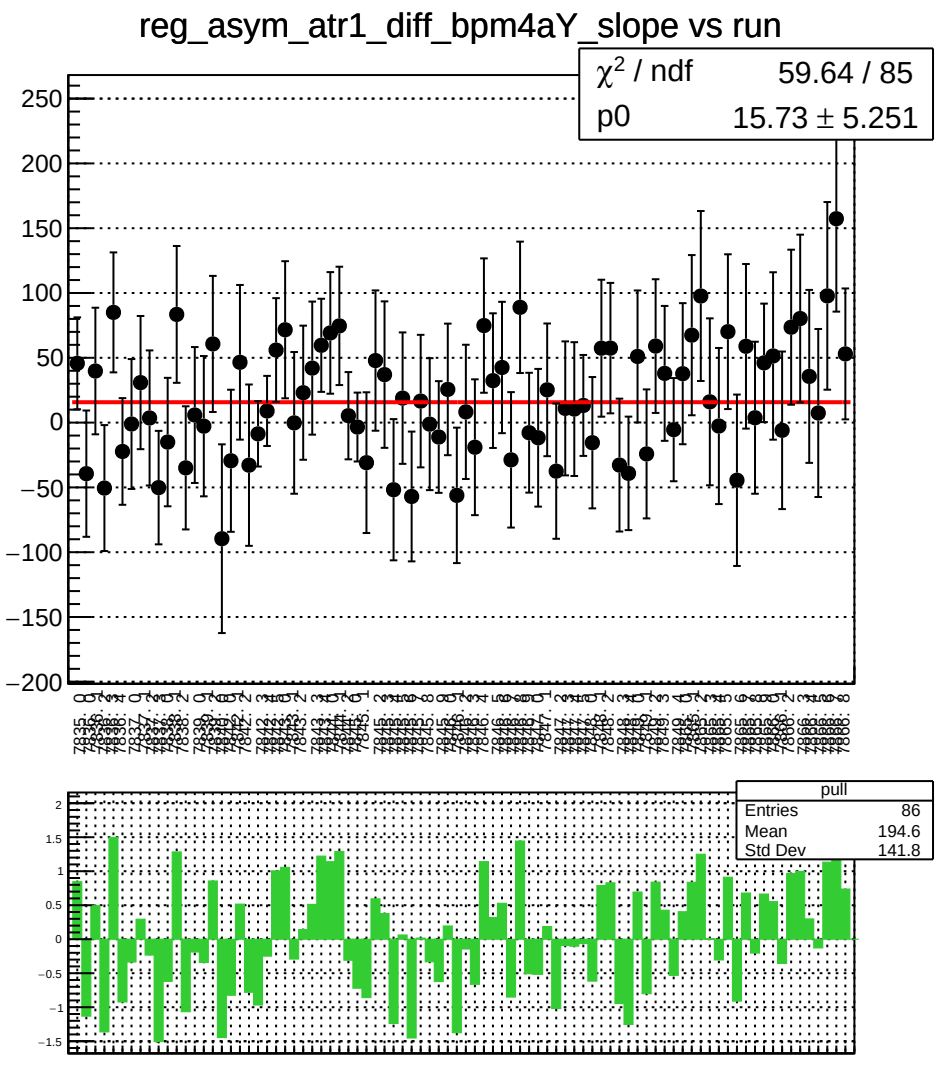

pull1D
Entries 86
Mean −0.006364
Std Dev 0.2413

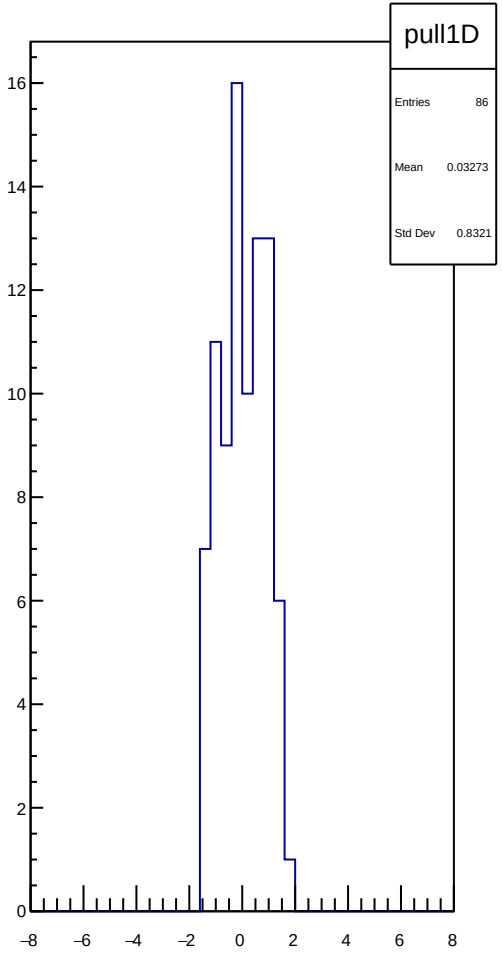

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 73.62 / 85
p0 −251.5 ± 0.5897
pull
Entries 86
Mean 71.41
Std Dev 18.55

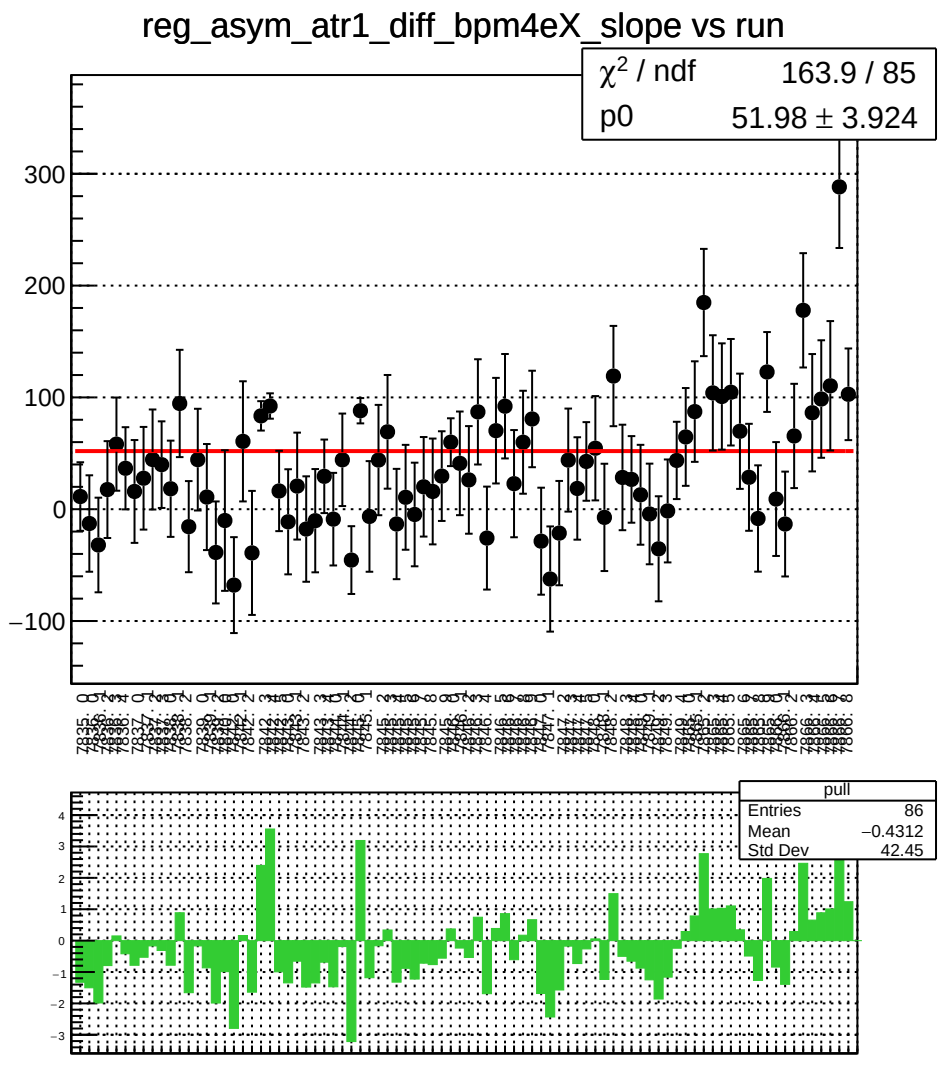

pull1D
Entries 86
Mean −0.05673
Std Dev 0.9235

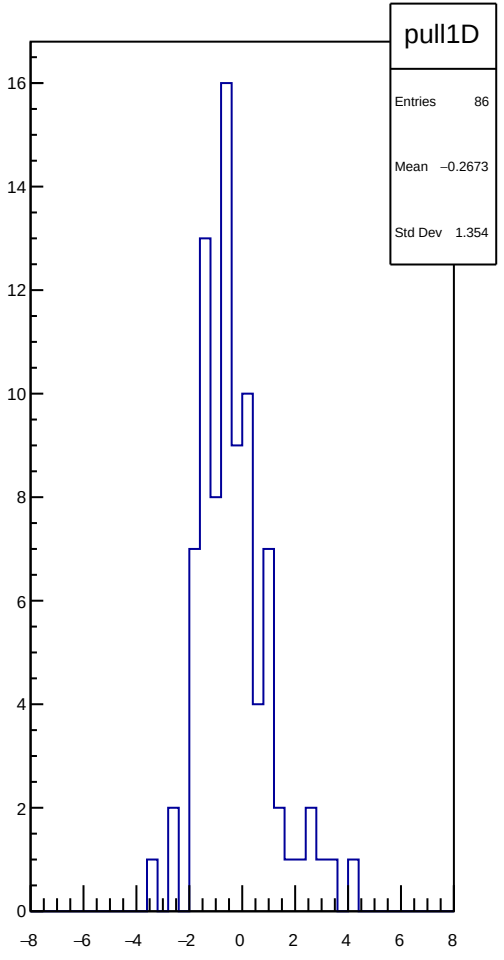

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 156 / 85
p0 −110.5 ± 4.48
pull
Entries 86
Mean −26.45
Std Dev 71.32

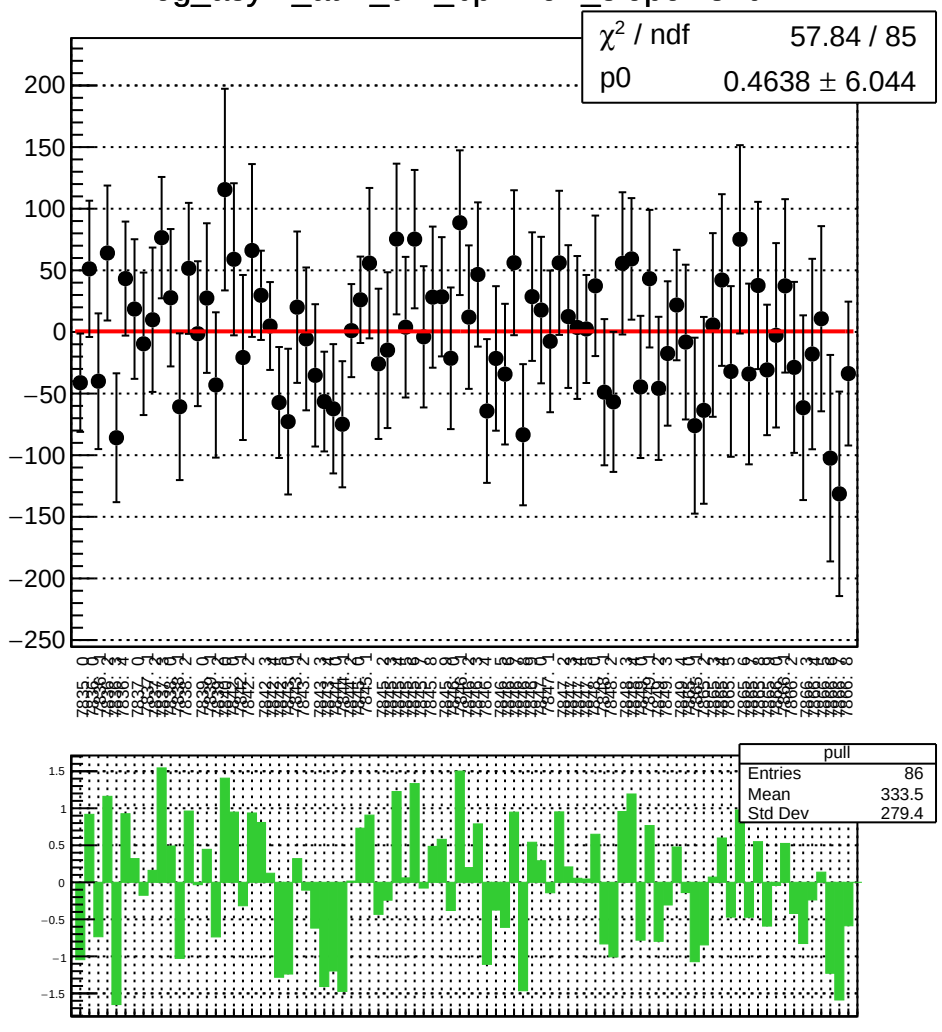

pull1D
Entries 86
Mean 0.1767
Std Dev 1.335

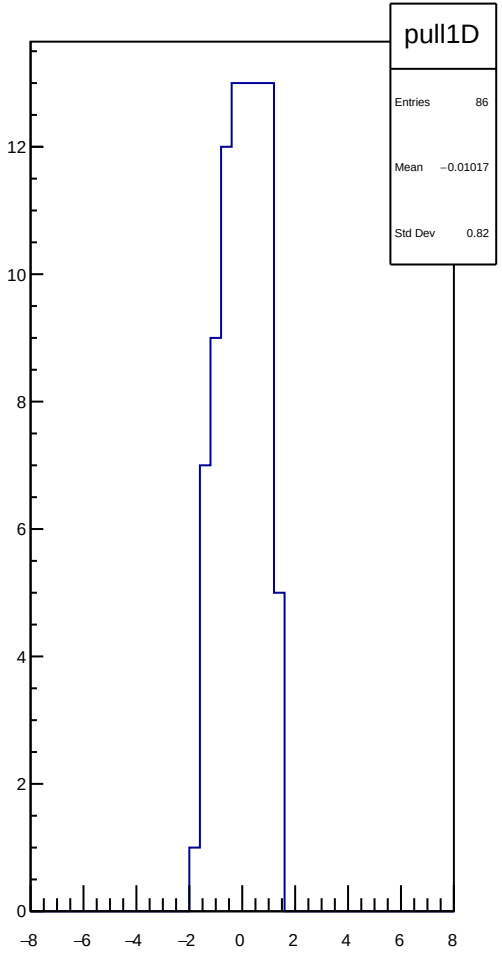

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 59.64 / 85
p0 15.73 ± 5.251
pull
Entries 86
Mean 194.6
Std Dev 141.8

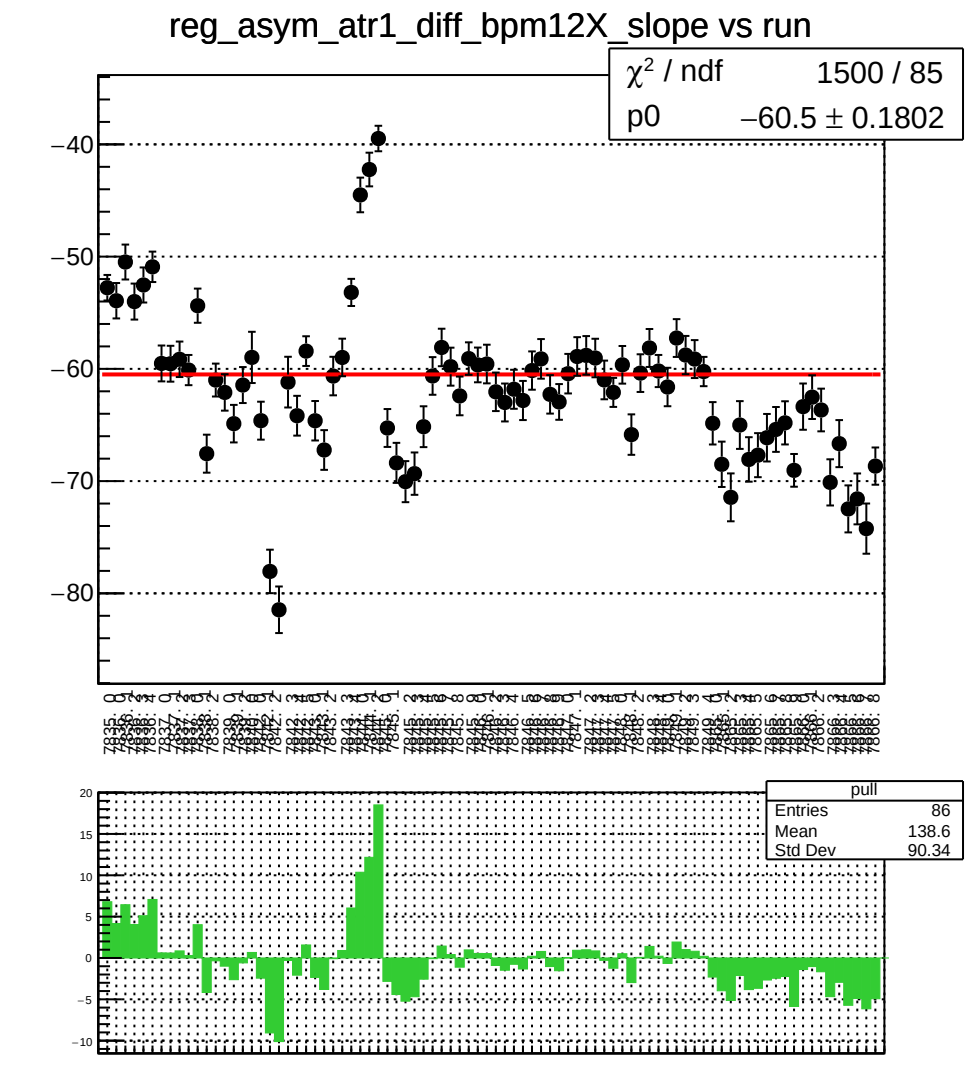

pull1D
Entries 86
Mean 0.03273
Std Dev 0.8321

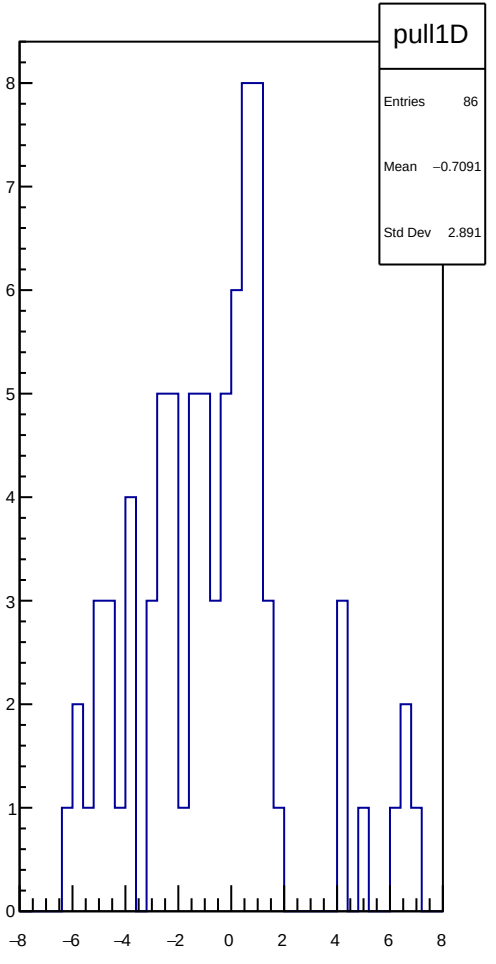

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 163.9 / 85
p0 51.98 ± 3.924
300
200
100
0
−100
pull
Entries 86
Mean −0.4312
Std Dev 42.45
4
3
2
1
0
−1
−2
−3

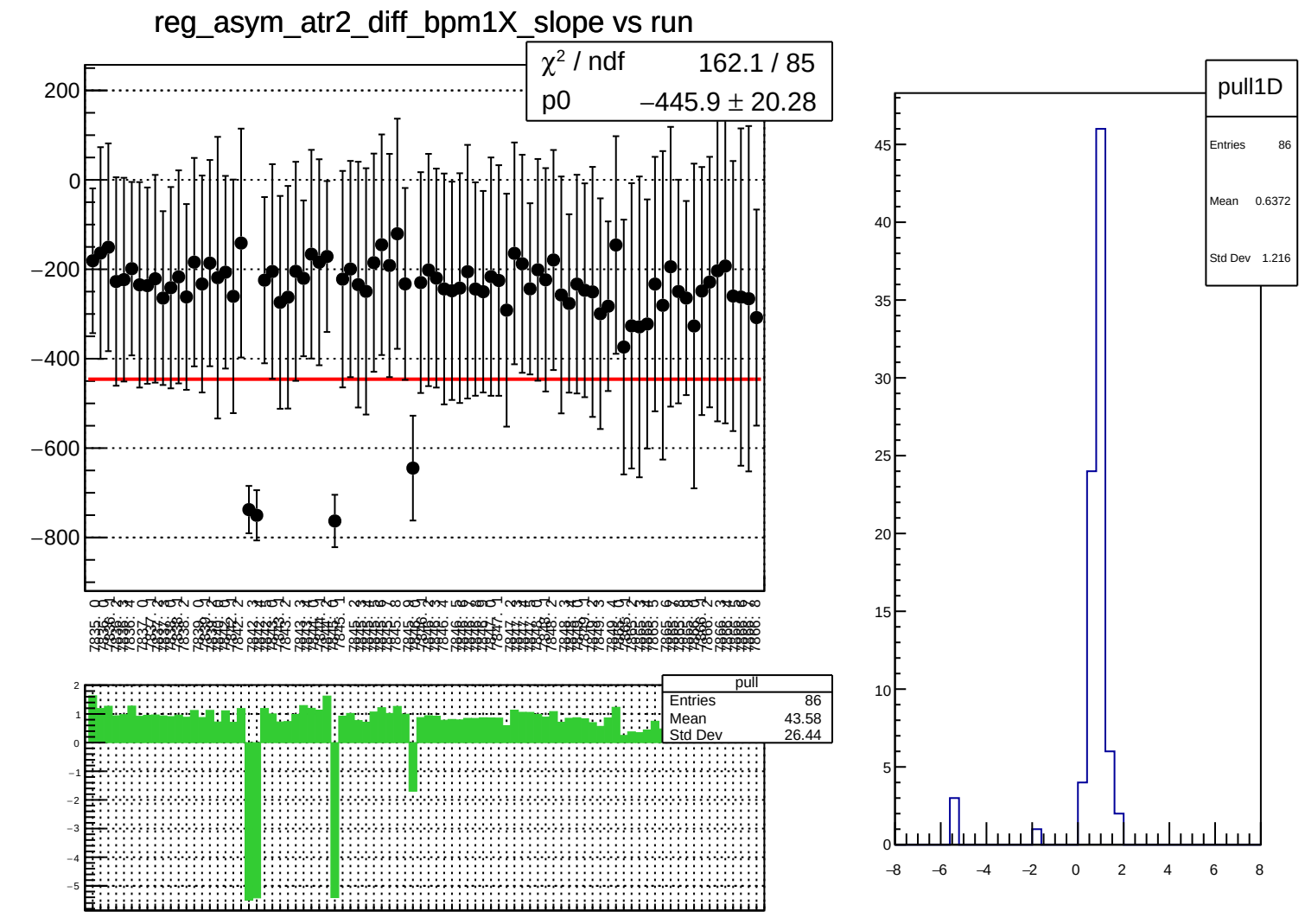

pull1D
Entries 86
Mean −0.2673
Std Dev 1.354
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

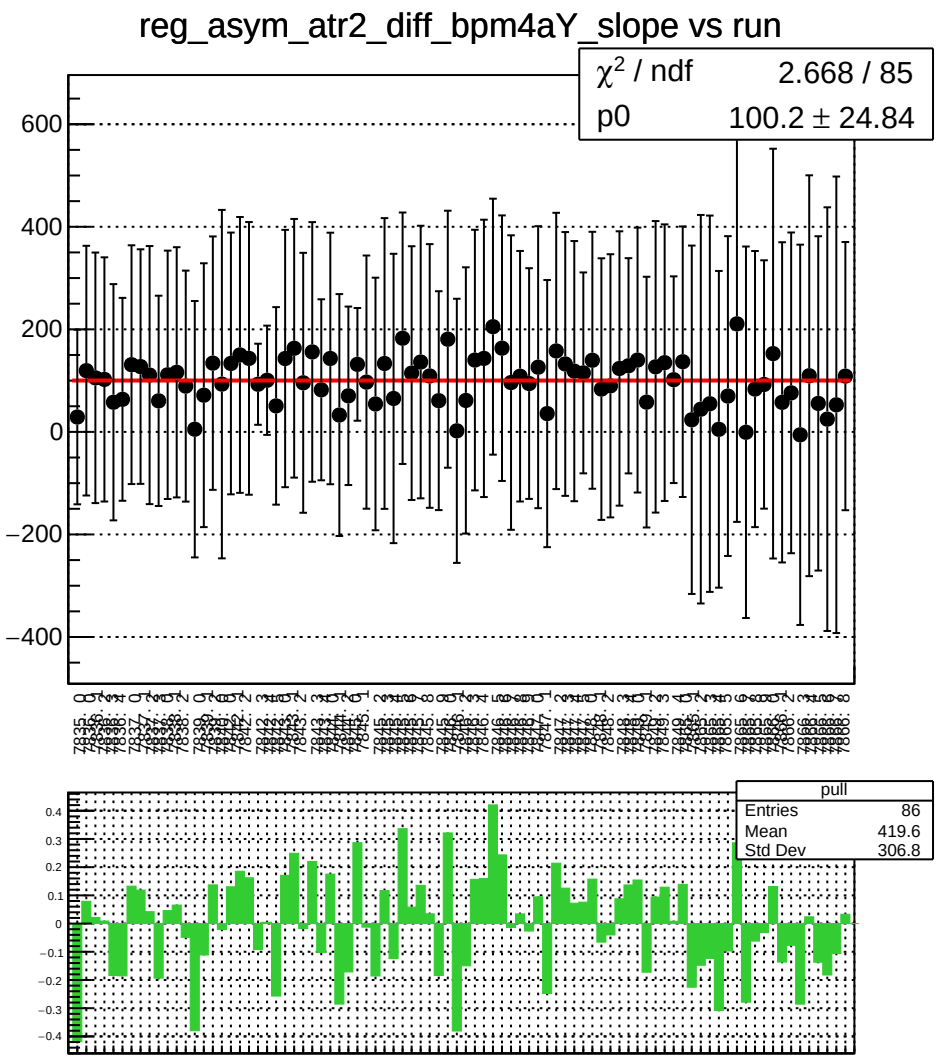

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 57.84 / 85
p0 0.4638 ± 6.044
pull
Entries 86
Mean 333.5
Std Dev 279.4

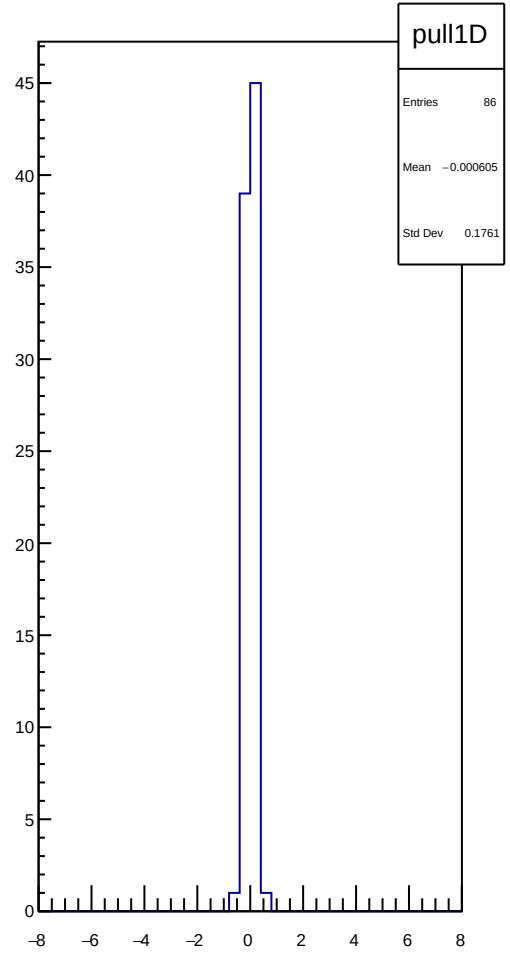

pull1D
Entries 86
Mean −0.01017
Std Dev 0.82

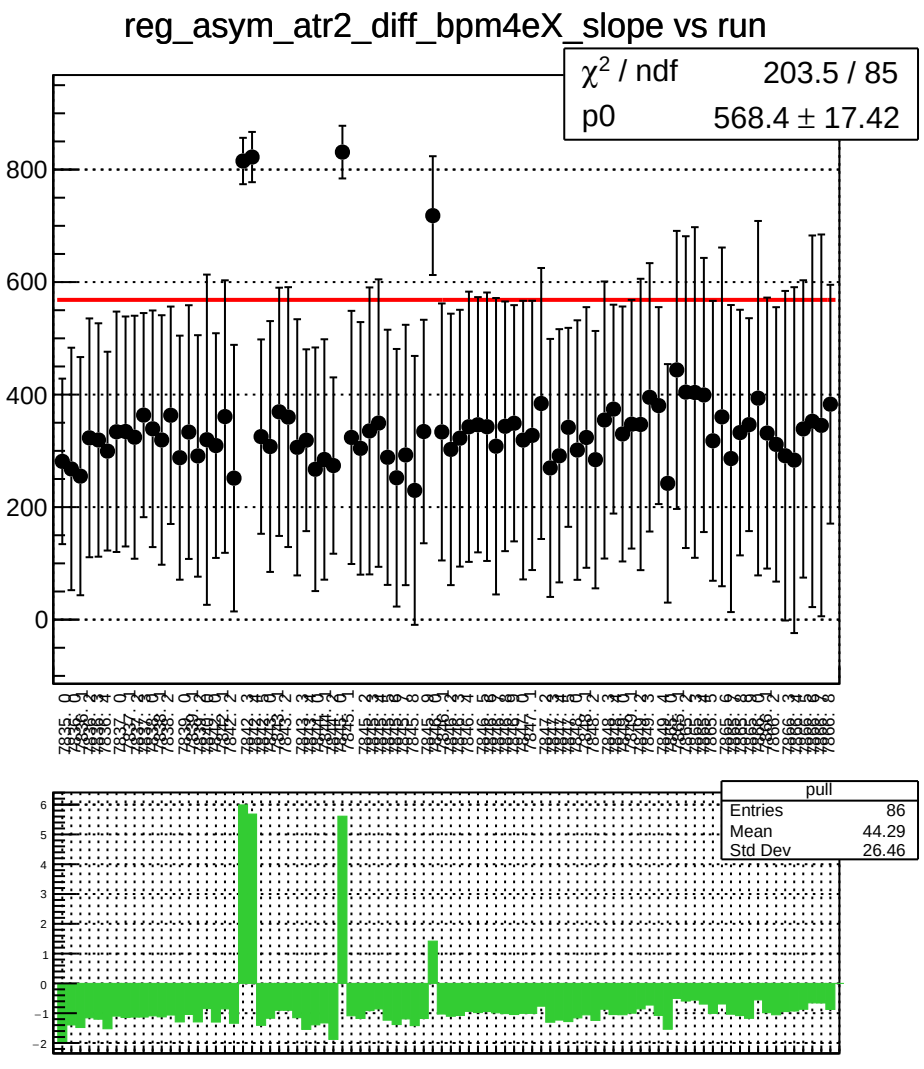

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 1500 / 85
p0 −60.5 ± 0.1802
−40
−50
−60
−70
−80
pull
Entries 86
Mean 138.6
Std Dev 90.34
20
15
10
5
0
−5
−10

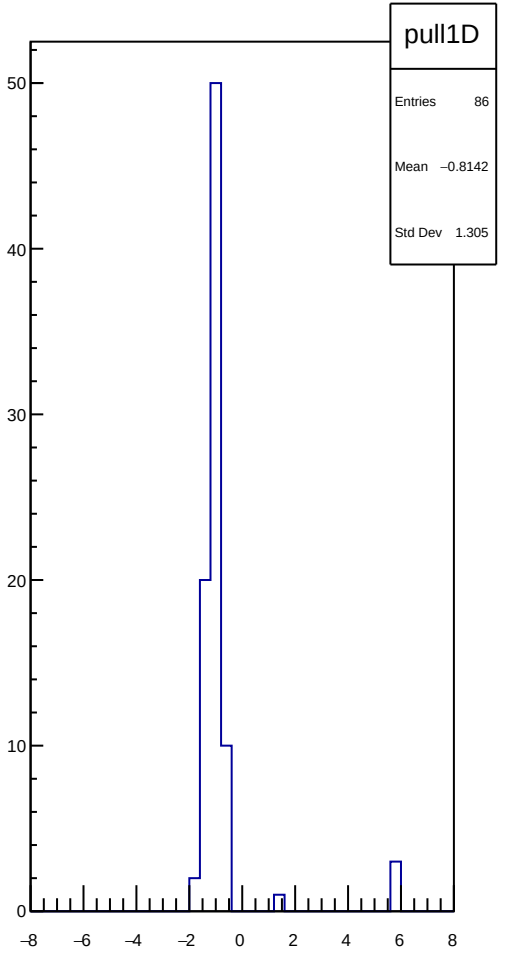

pull1D
Entries 86
Mean −0.7091
Std Dev 2.891
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

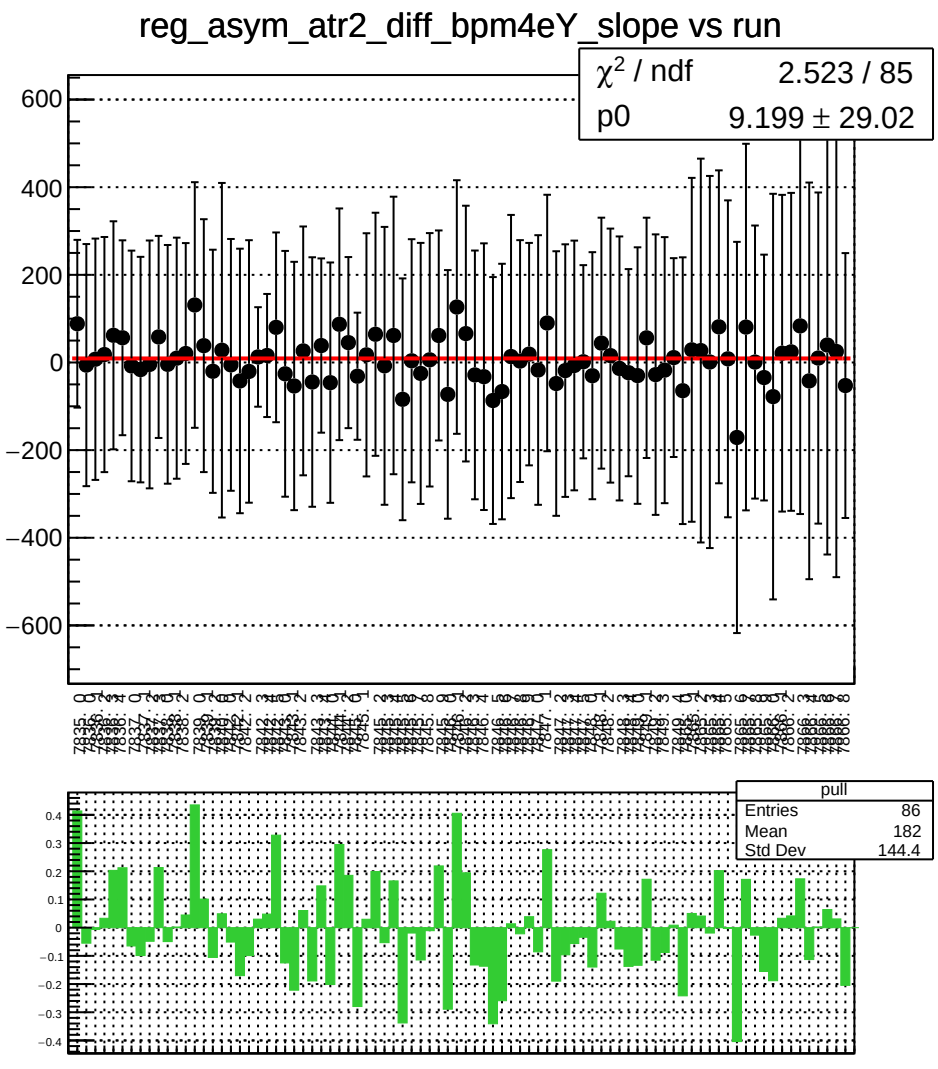

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 162.1 / 85
p0 −445.9 ± 20.28
200
0
−200
−400
−600
−800
pull
Entries 86
Mean 43.58
Std Dev 26.44
pull1D
Entries 86
Mean 0.6372
Std Dev 1.216
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

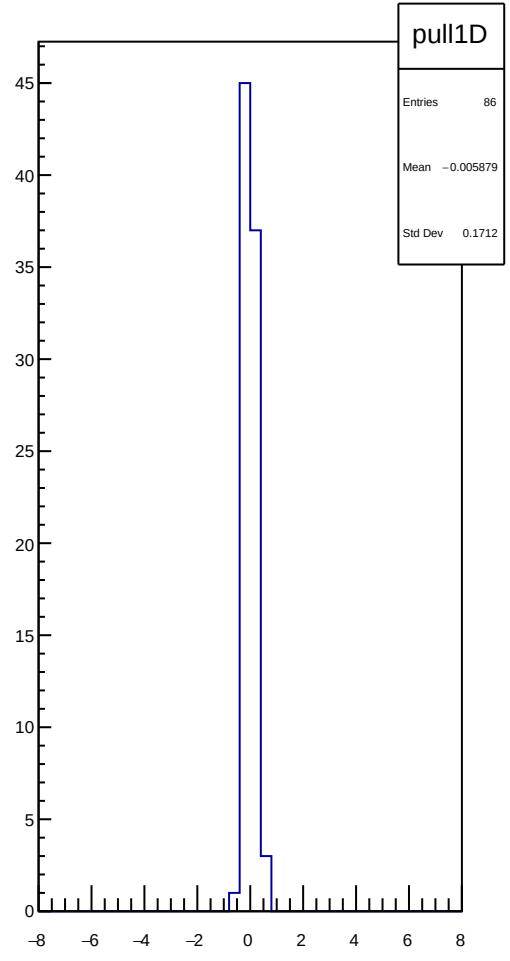

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 2.668 / 85
p0 100.2 ± 24.84
pull
Entries 86
Mean 419.6
Std Dev 306.8

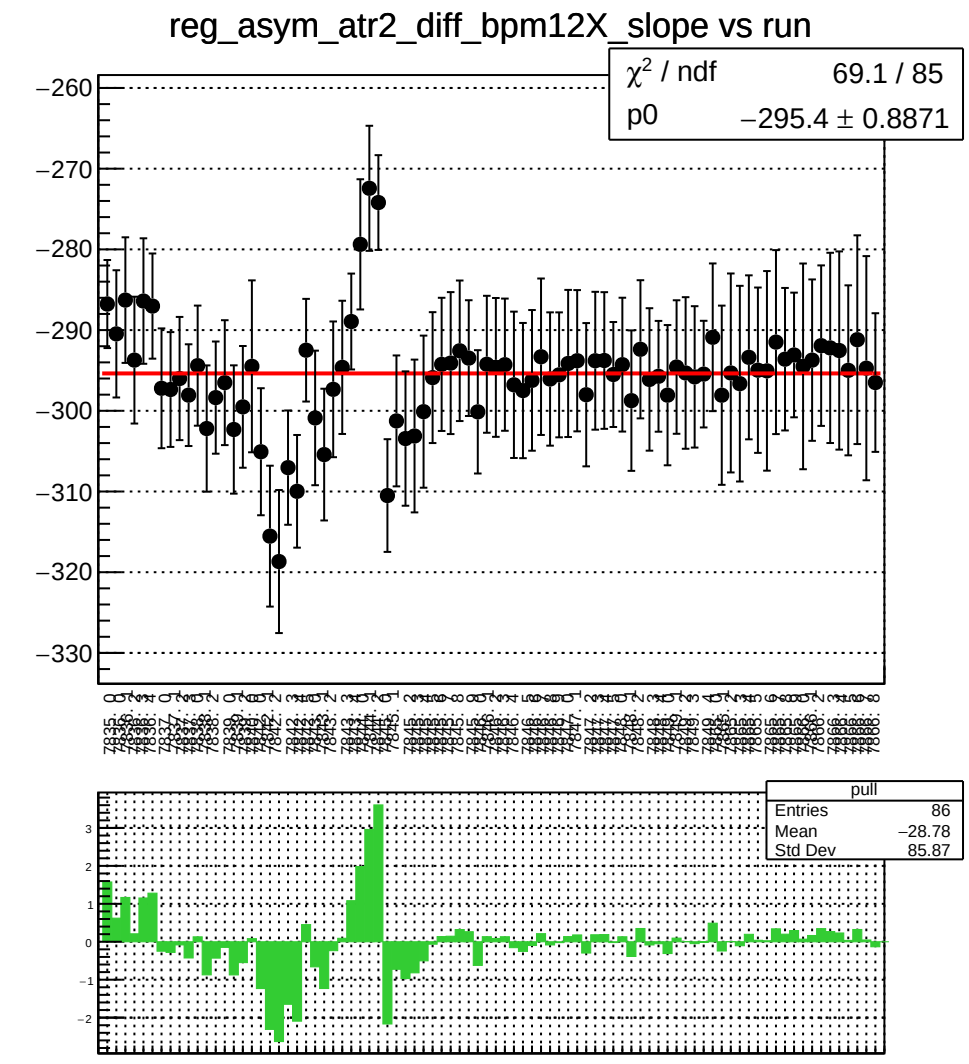

pull1D
Entries 86
Mean −0.000605
Std Dev 0.1761

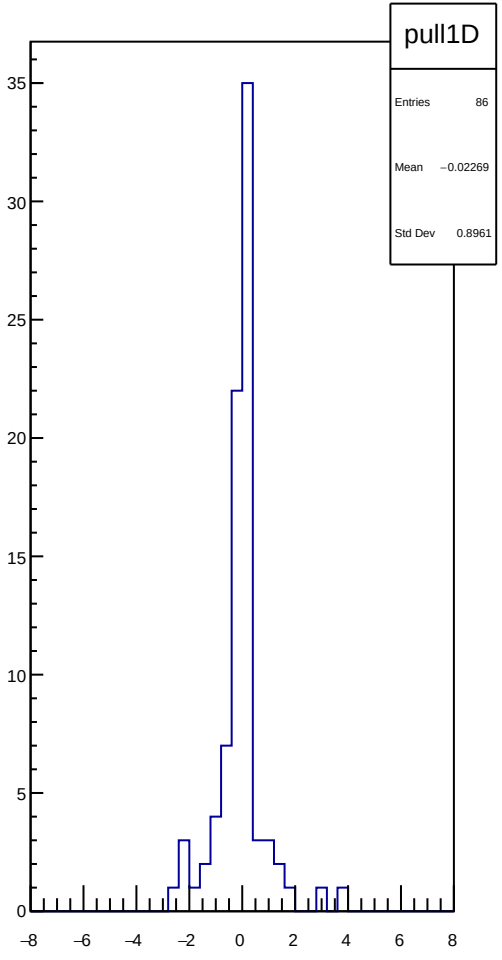

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 203.5 / 85
p0 568.4 ± 17.42
800
600
400
200
0
pull
Entries 86
Mean 44.29
Std Dev 26.46
6
5
4
3
2
1
0
−1
−2

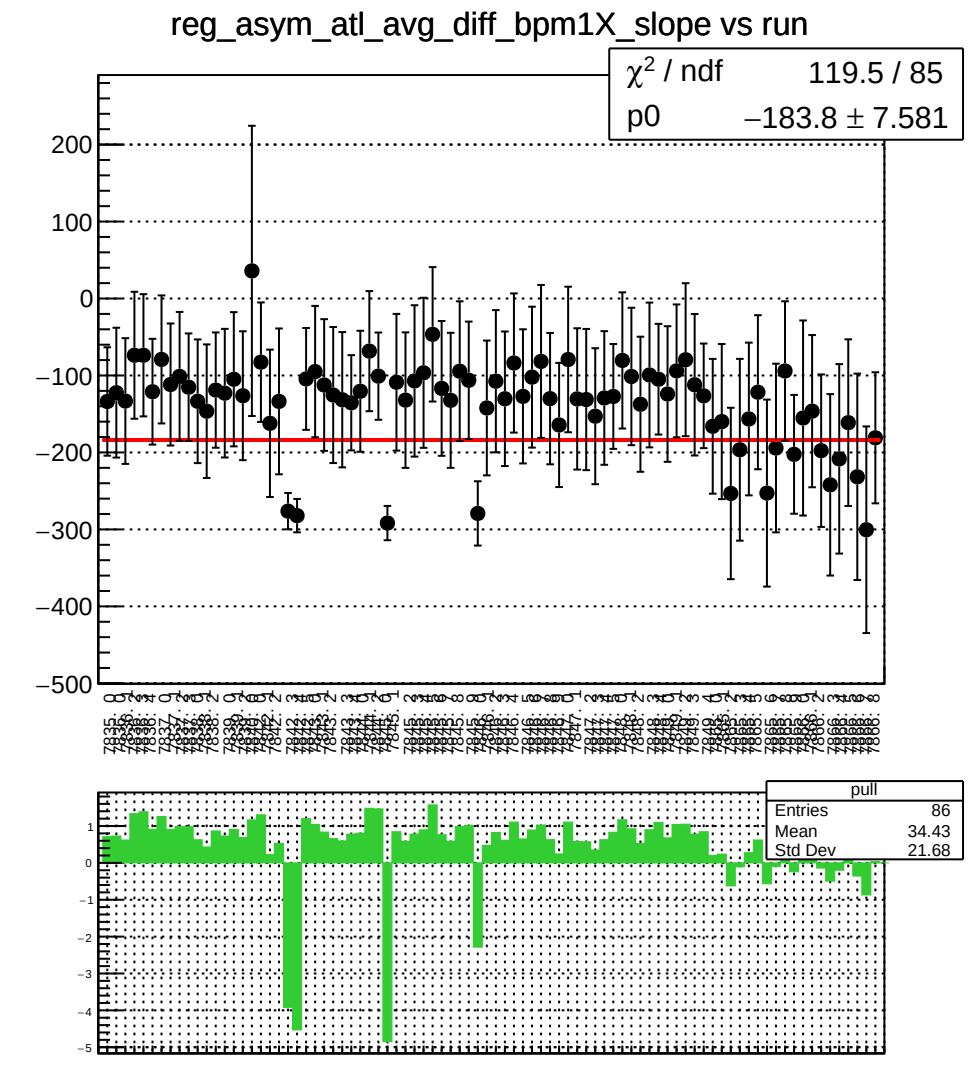

pull1D
Entries 86
Mean −0.8142
Std Dev 1.305
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

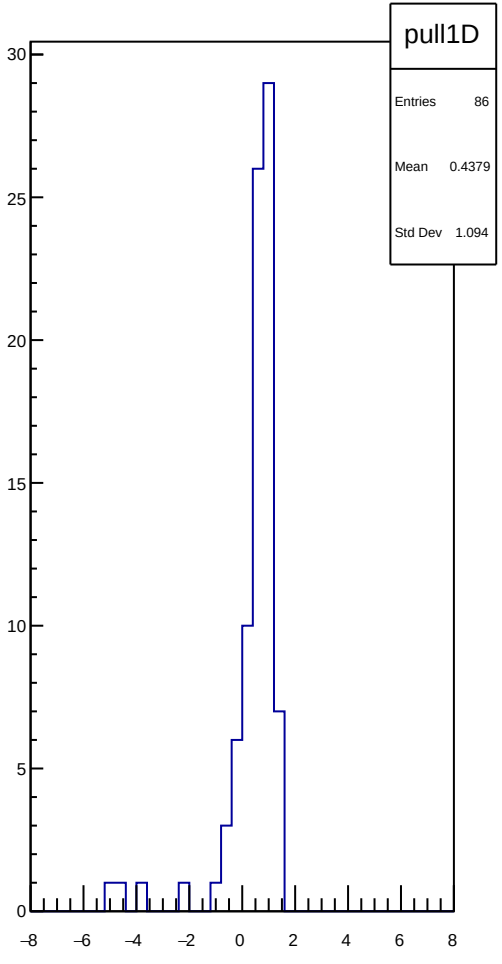

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 2.523 / 85
p0 9.199 ± 29.02
pull
Entries 86
Mean 182
Std Dev 144.4

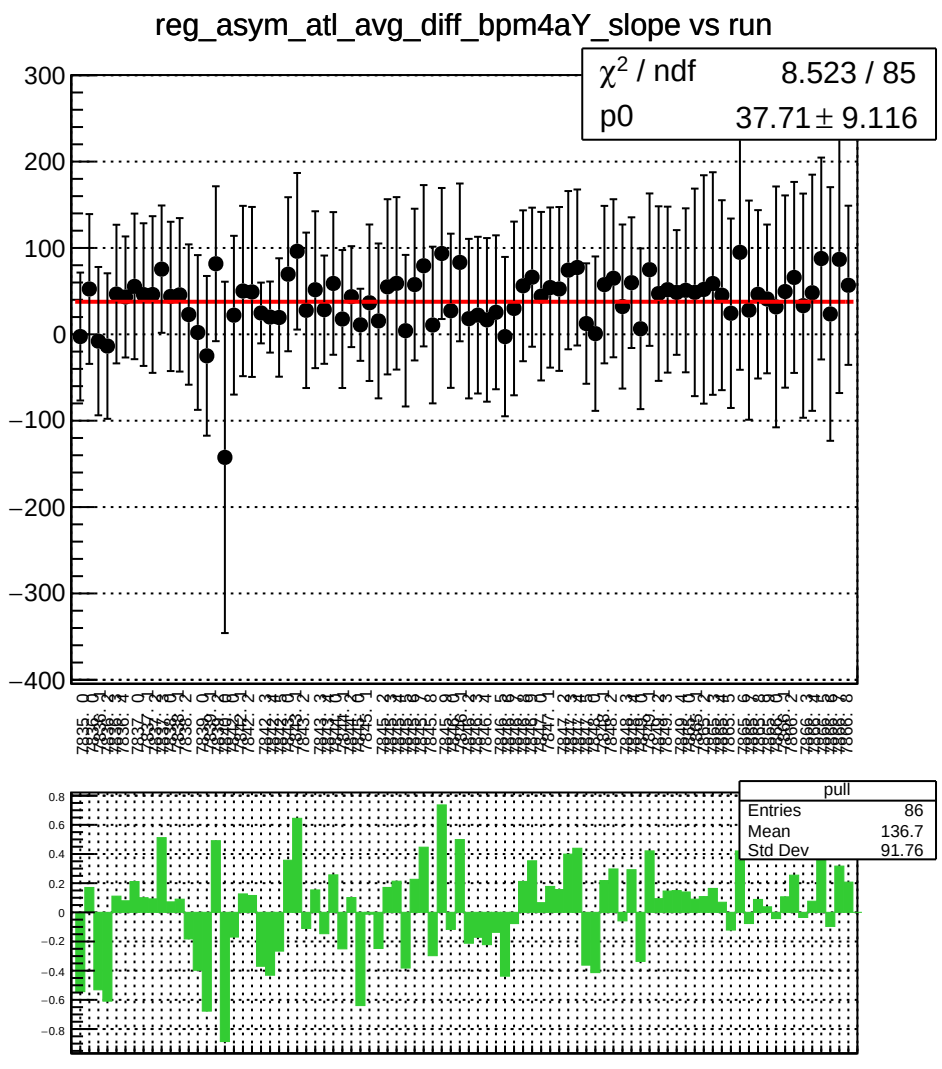

pull1D
Entries 86
Mean −0.005879
Std Dev 0.1712

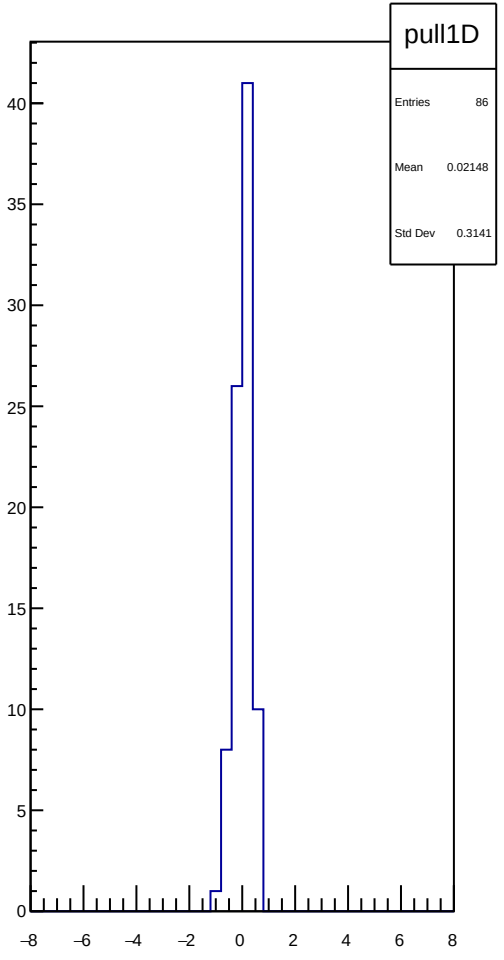

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 69.1 / 85
p0 −295.4 ± 0.8871
pull
Entries 86
Mean −28.78
Std Dev 85.87

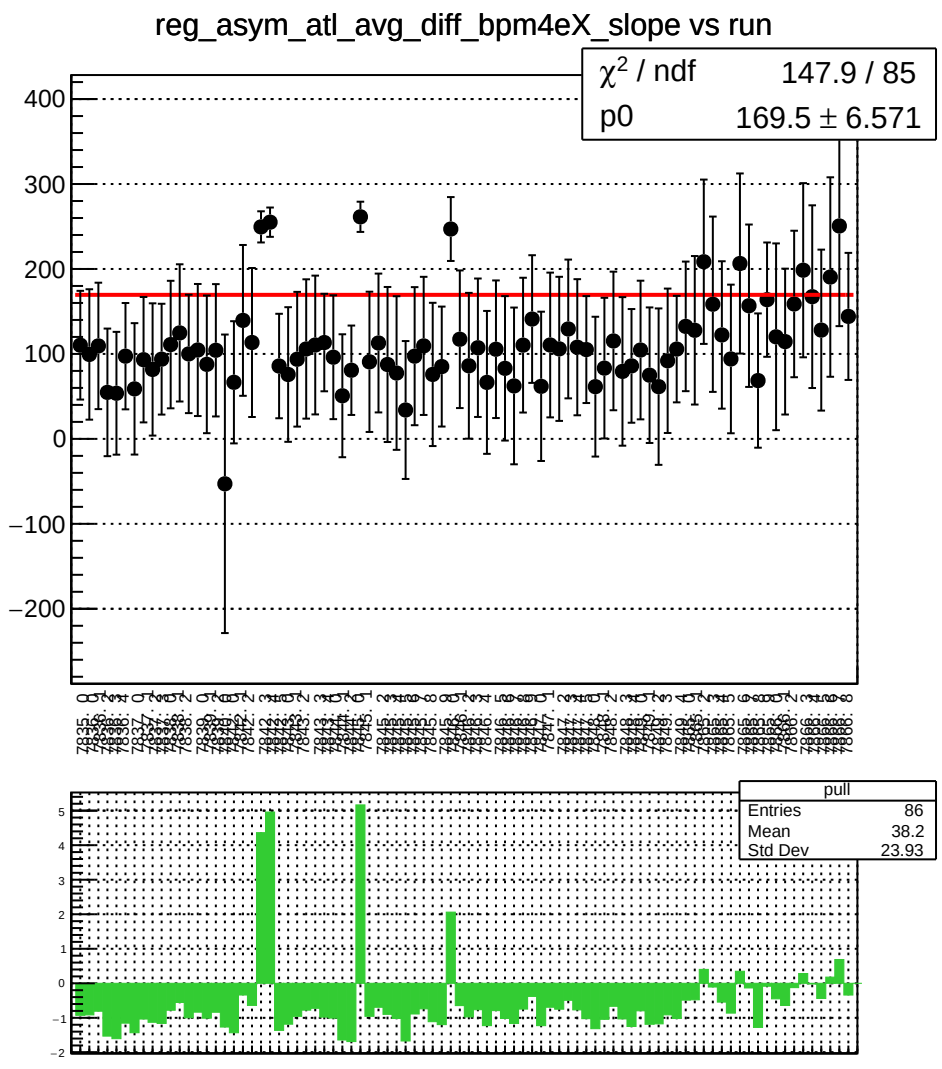

pull1D
Entries 86
Mean −0.02269
Std Dev 0.8961

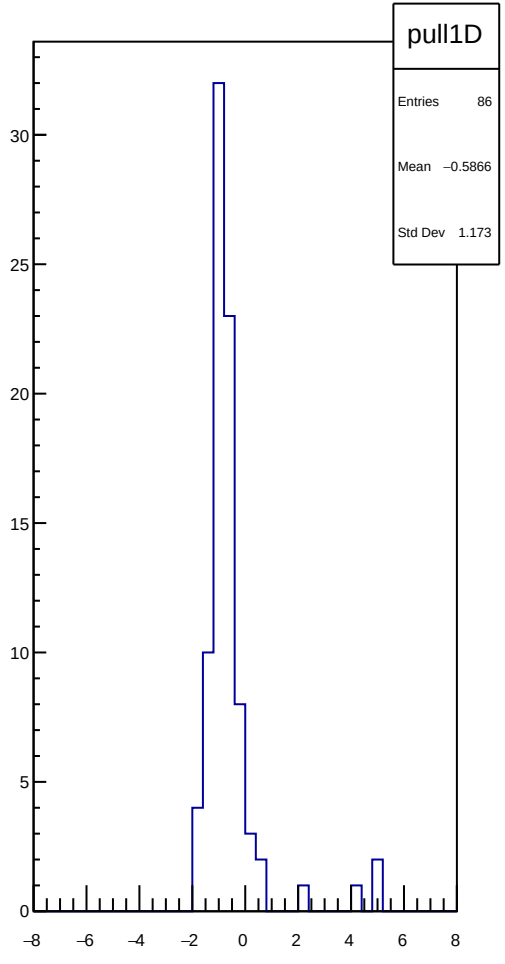

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 119.5 / 85
p0 −183.8 ± 7.581
pull
Entries 86
Mean 34.43
Std Dev 21.68

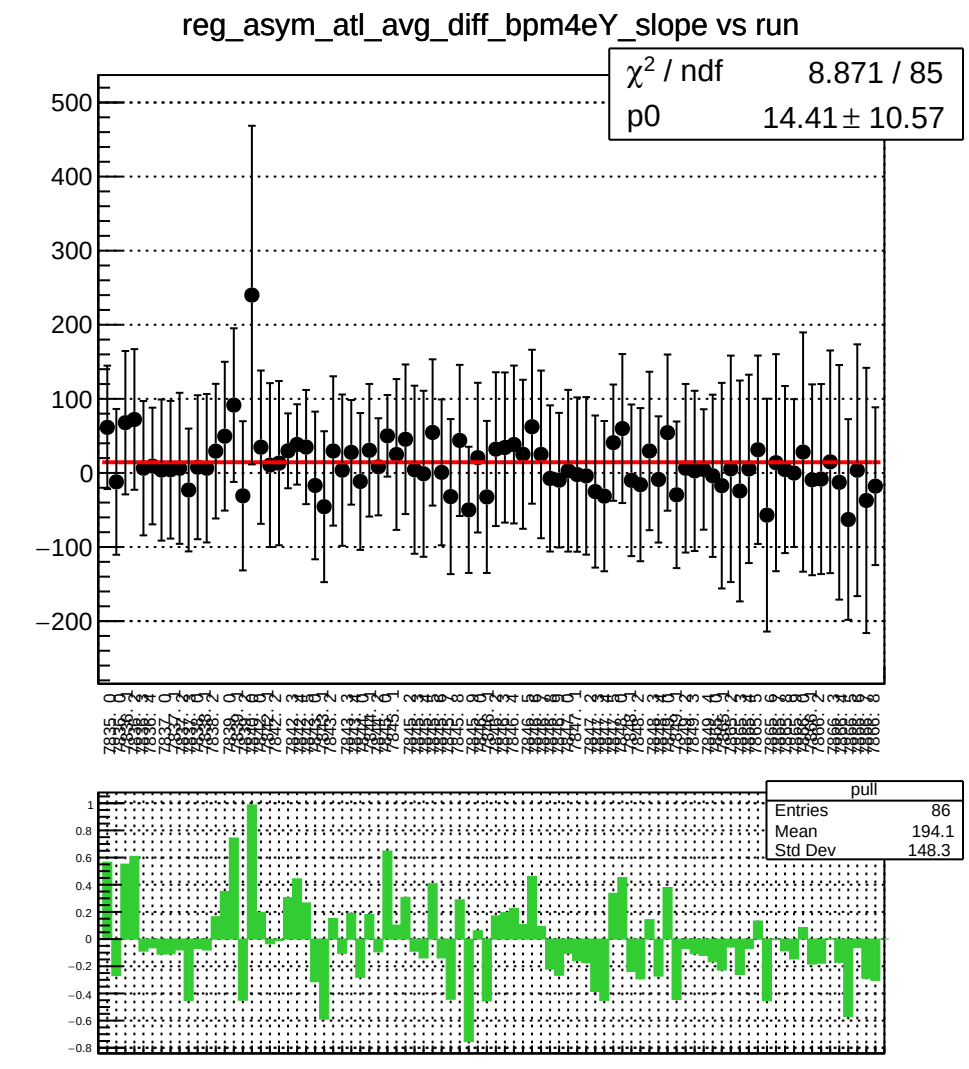

pull1D
Entries 86
Mean 0.4379
Std Dev 1.094

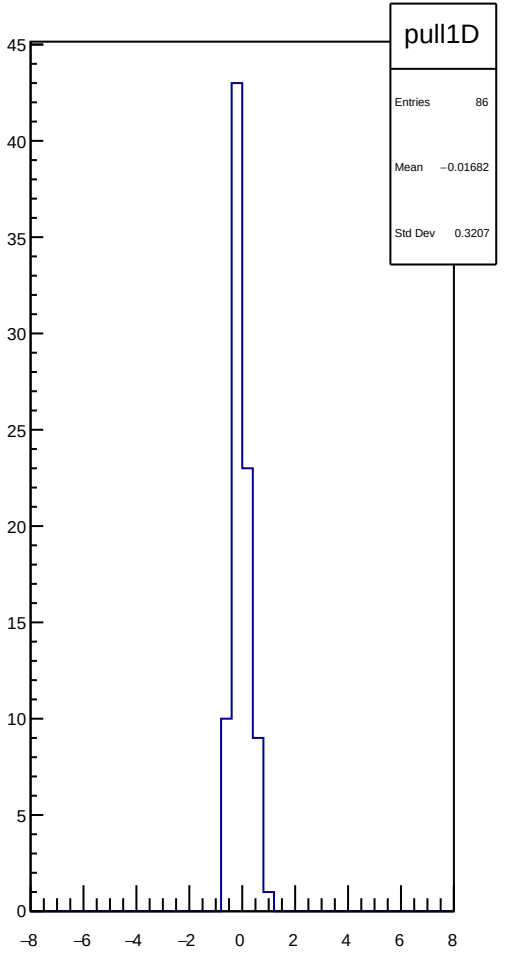

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 8.523 / 85
p0 37.71 ± 9.116
pull
Entries 86
Mean 136.7
Std Dev 91.76

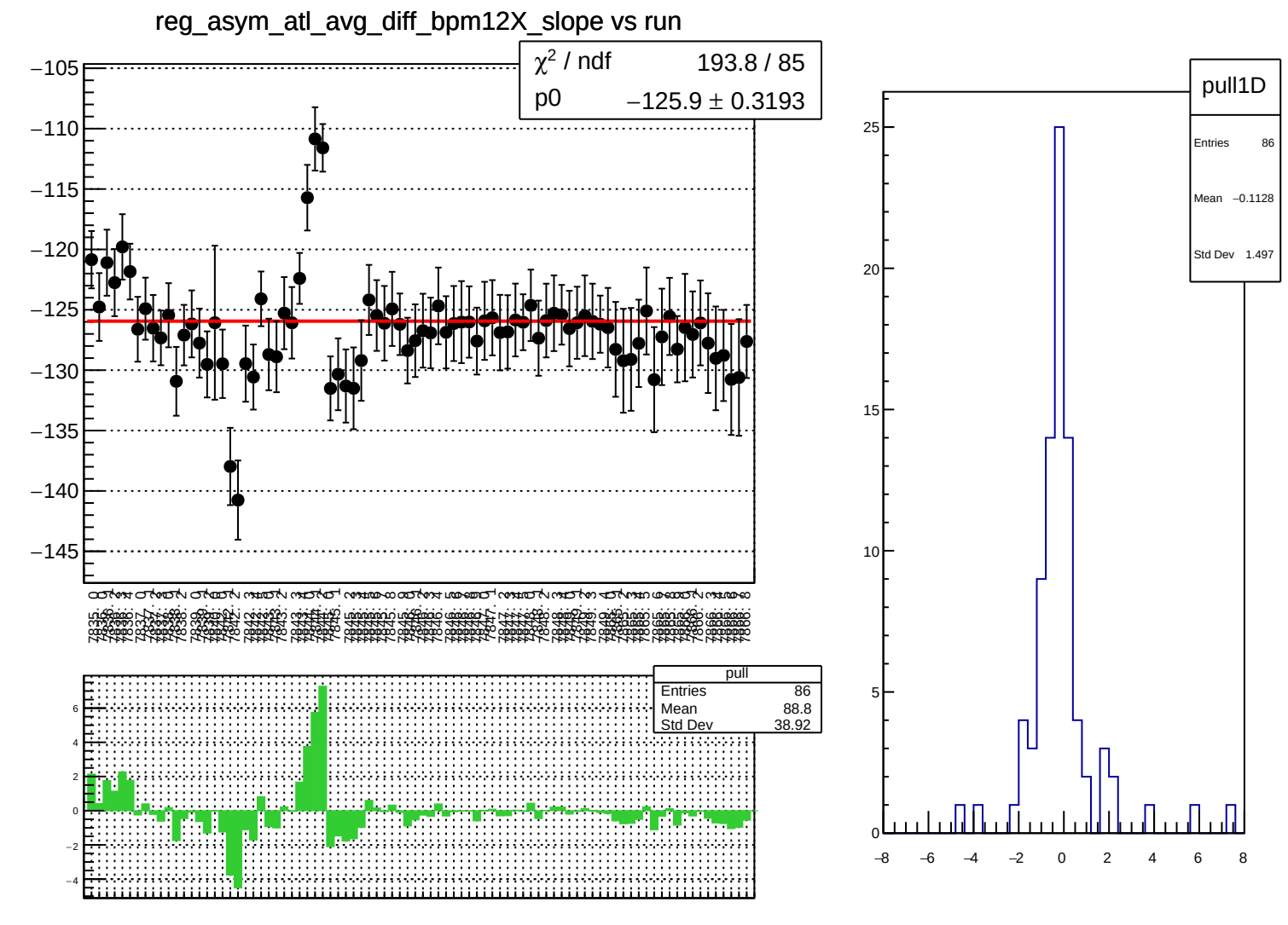

pull1D
Entries 86
Mean 0.02148
Std Dev 0.3141

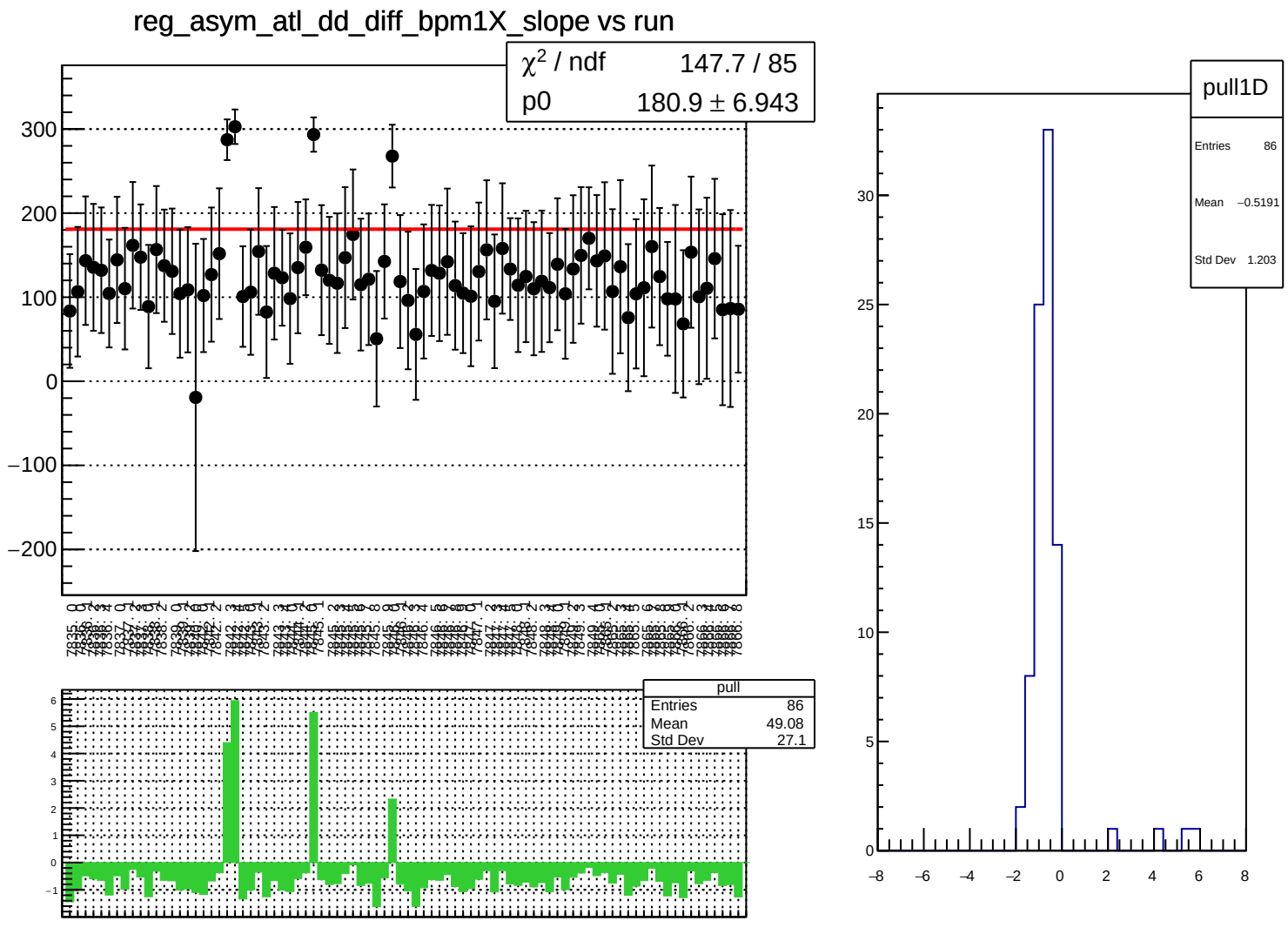

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 147.9 / 85
p0 169.5 ± 6.571
pull
Entries 86
Mean 38.2
Std Dev 23.93

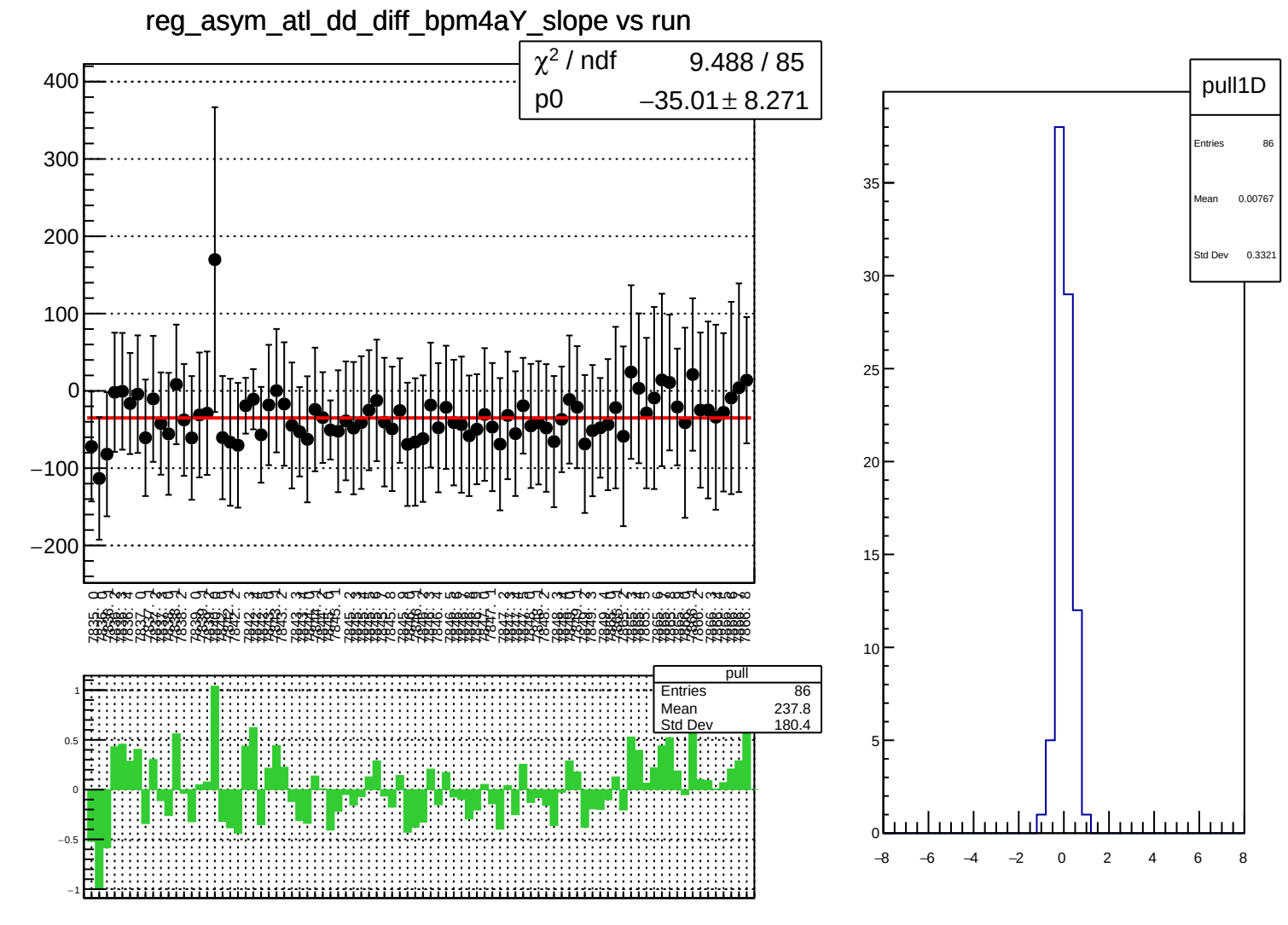

pull1D
Entries 86
Mean −0.5866
Std Dev 1.173

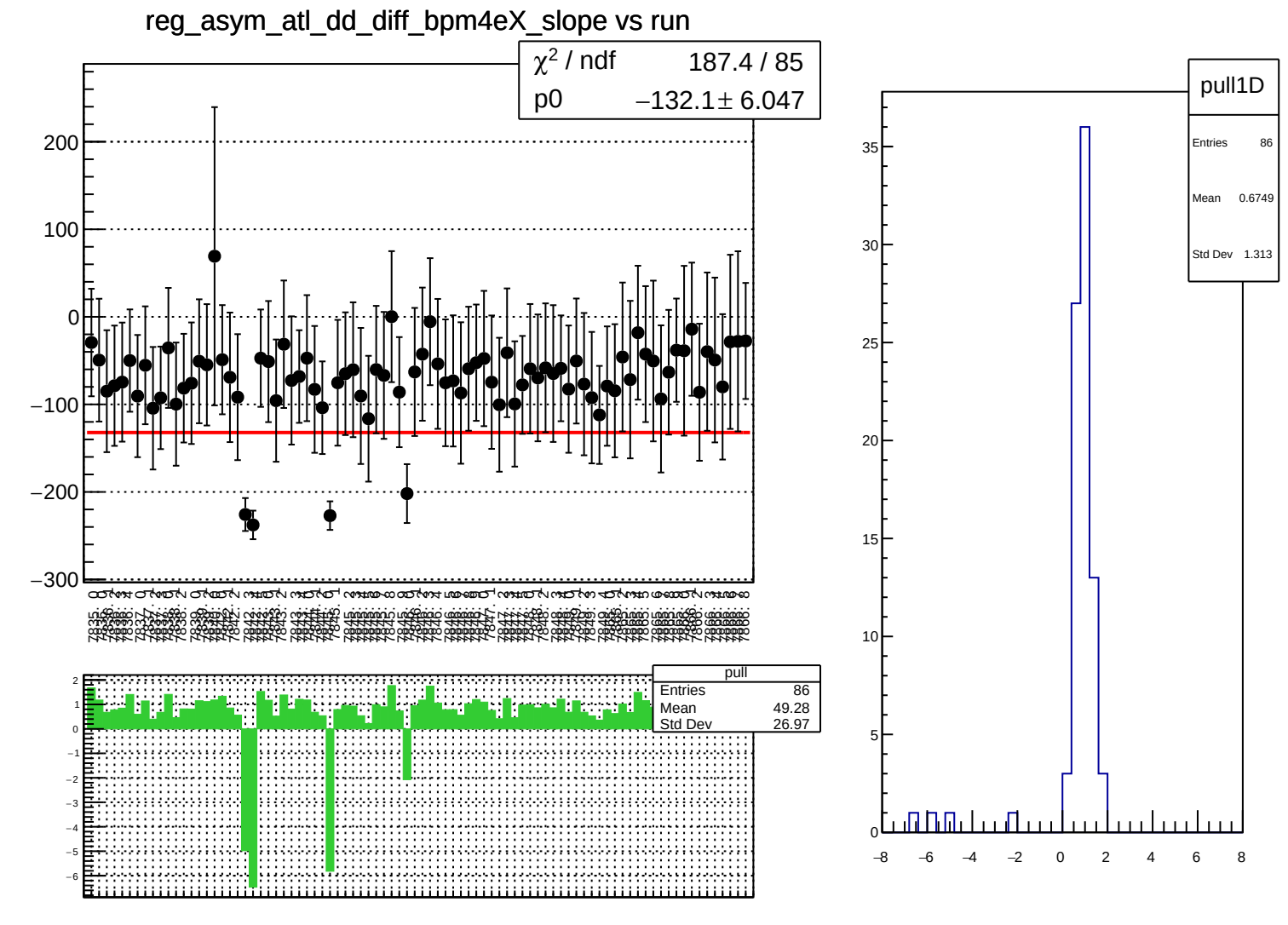

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.871 / 85
p0 14.41 ± 10.57
pull
Entries 86
Mean 194.1
Std Dev 148.3

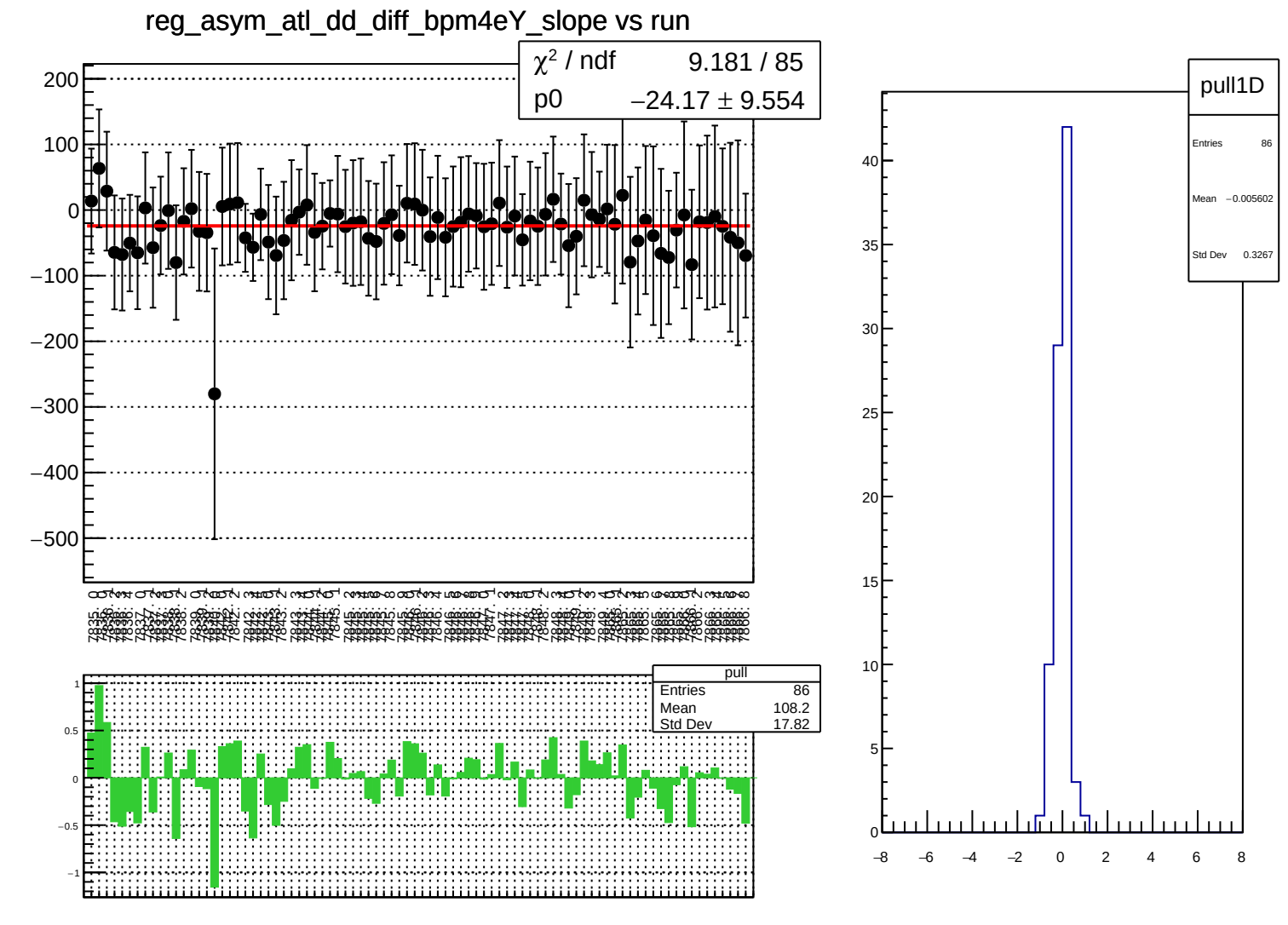

pull1D
Entries 86
Mean −0.01682
Std Dev 0.3207

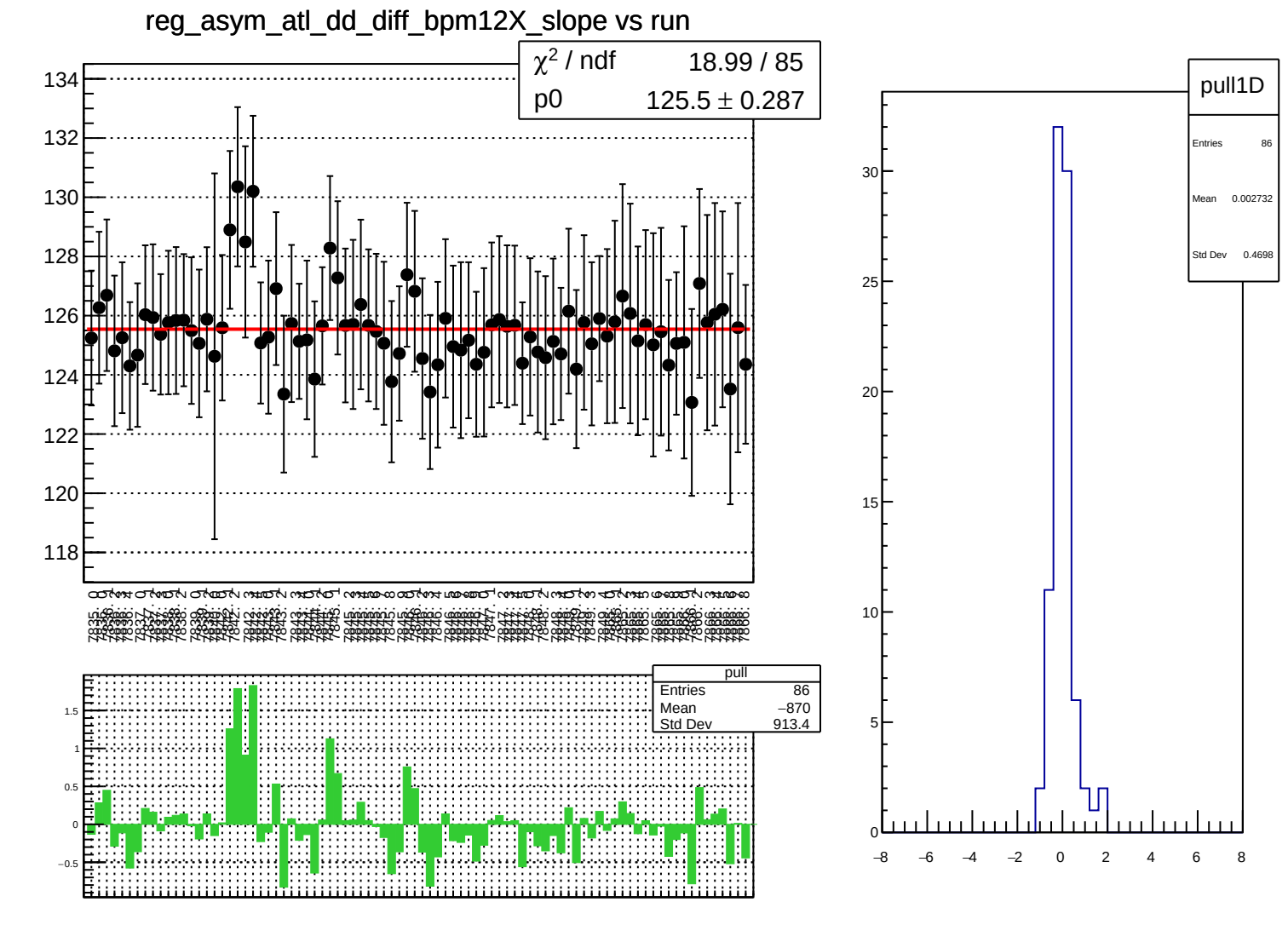

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 193.8 / 85
p0 −125.9 ± 0.3193
pull
Entries 86
Mean 88.8
Std Dev 38.92
pull1D
Entries 86
Mean −0.1128
Std Dev 1.497

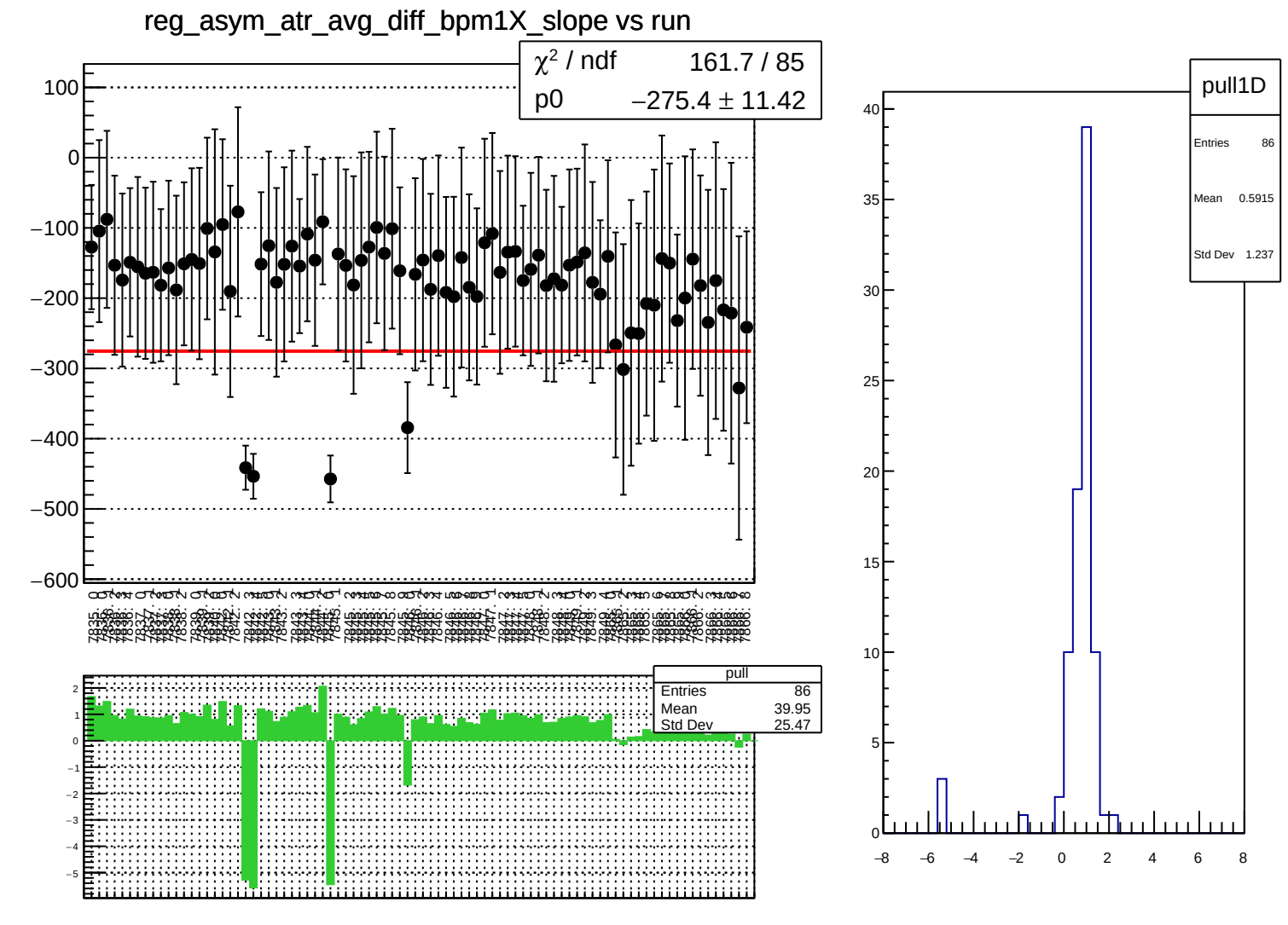

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 147.7 / 85
p0 180.9 ± 6.943
300
200
100
0
−100
−200
pull
Entries 86
Mean 49.08
Std Dev 27.1
pull1D
Entries 86
Mean −0.5191
Std Dev 1.203
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

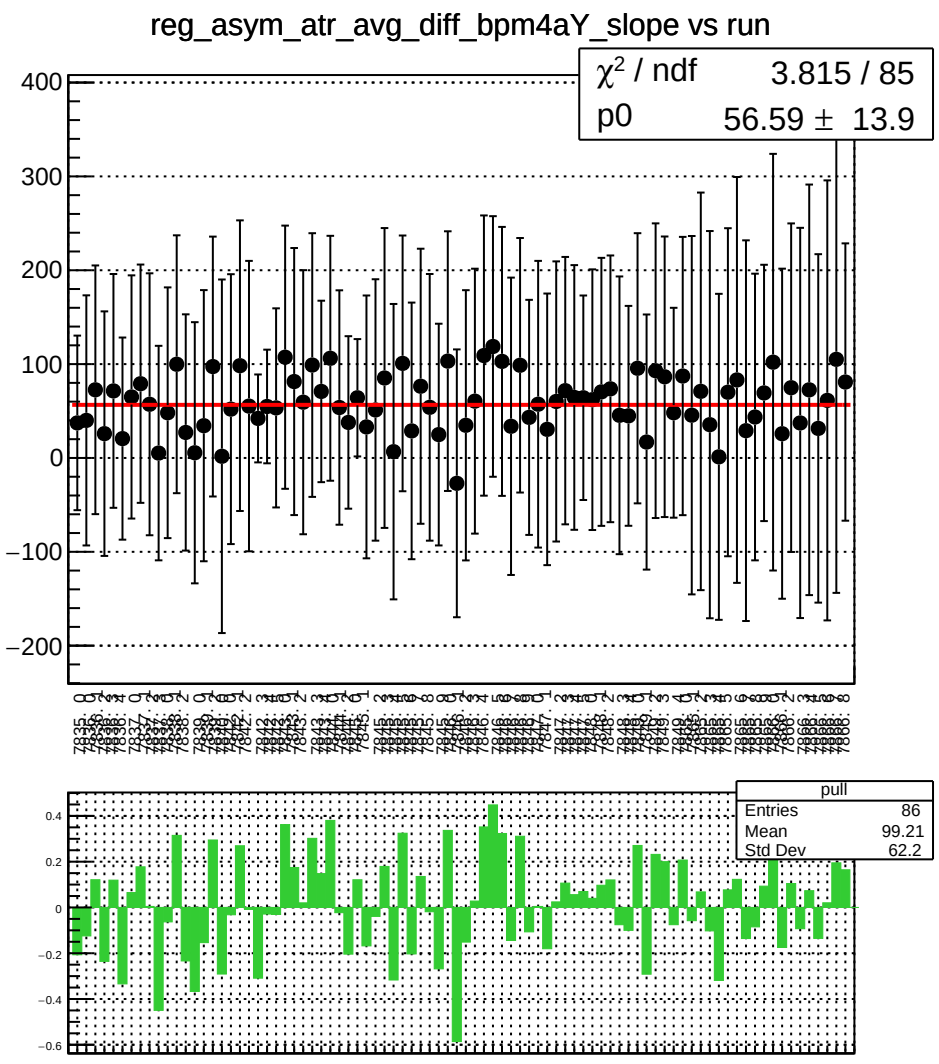

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.488 / 85
p0 −35.01 ± 8.271
pull
Entries 86
Mean 237.8
Std Dev 180.4
pull1D
Entries 86
Mean 0.00767
Std Dev 0.3321

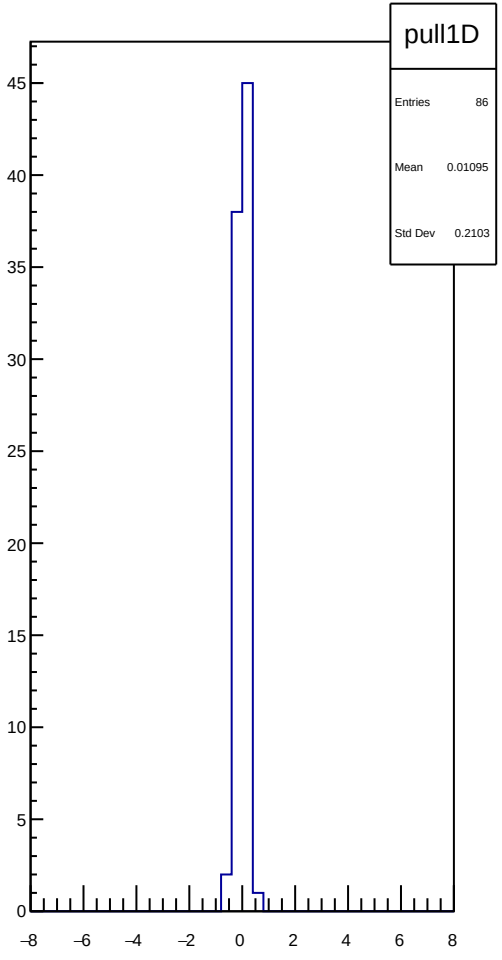

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 187.4 / 85
p0 −132.1± 6.047
pull
Entries 86
Mean 49.28
Std Dev 26.97
pull1D
Entries 86
Mean 0.6749
Std Dev 1.313

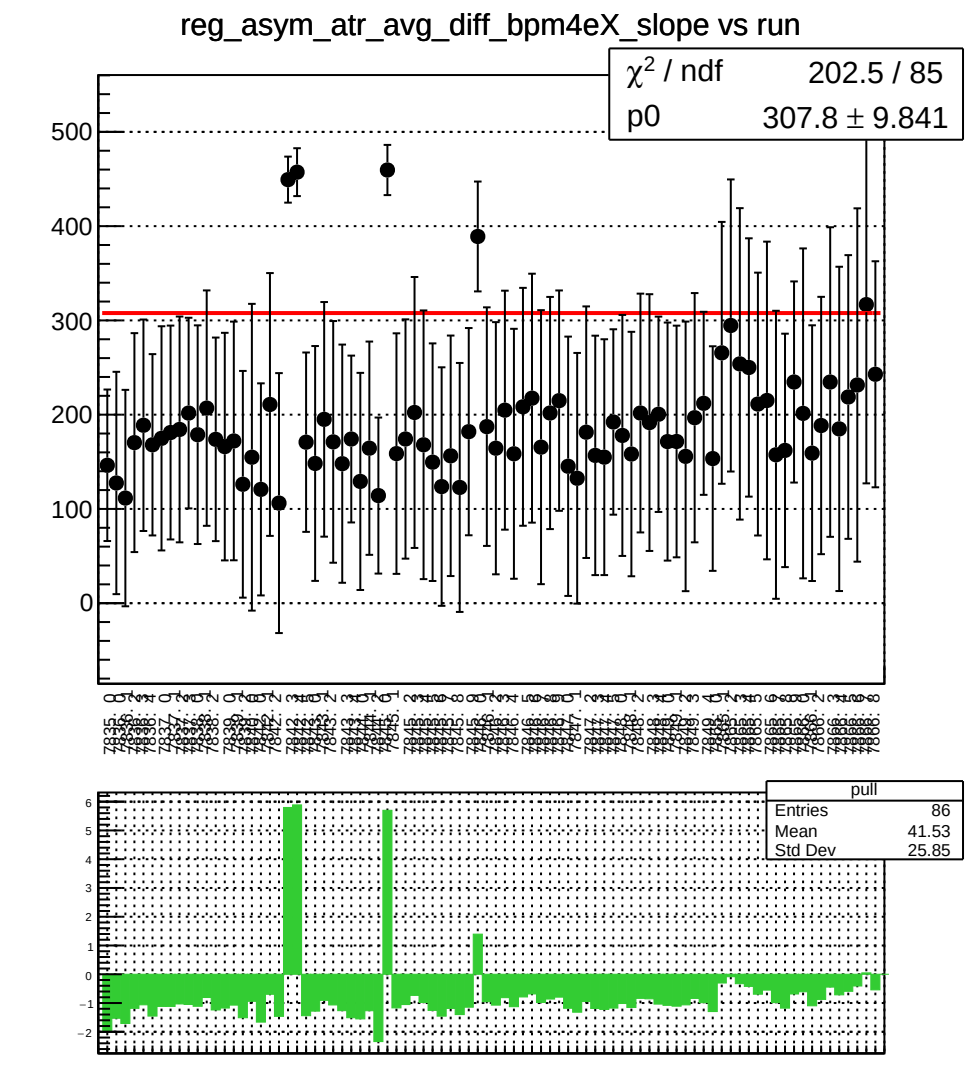

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.181 / 85
p0 −24.17 ± 9.554
pull
Entries 86
Mean 108.2
Std Dev 17.82
pull1D
Entries 86
Mean −0.005602
Std Dev 0.3267

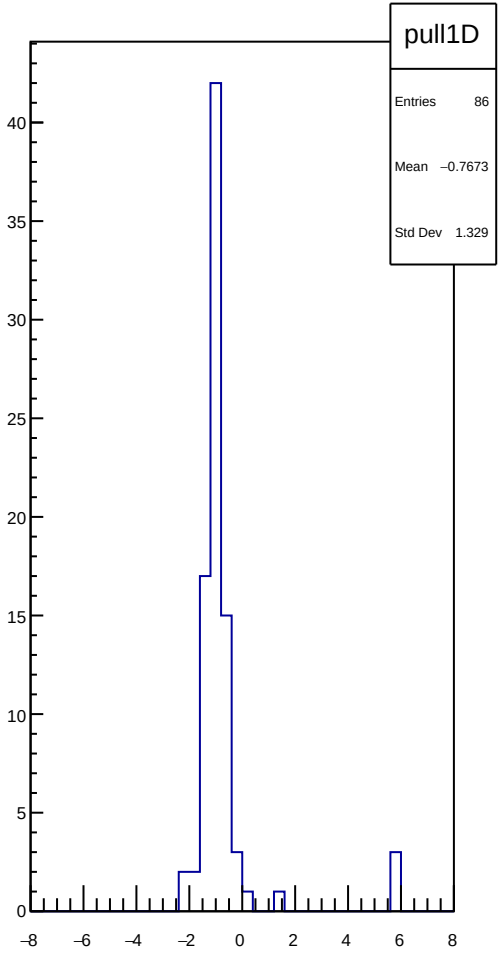

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 18.99 / 85
p0 125.5 ± 0.287
134
132
130
128
126
124
122
120
118
pull
Entries 86
Mean −870
Std Dev 913.4
1.5
1
0.5
0
−0.5
pull1D
Entries 86
Mean 0.002732
Std Dev 0.4698
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

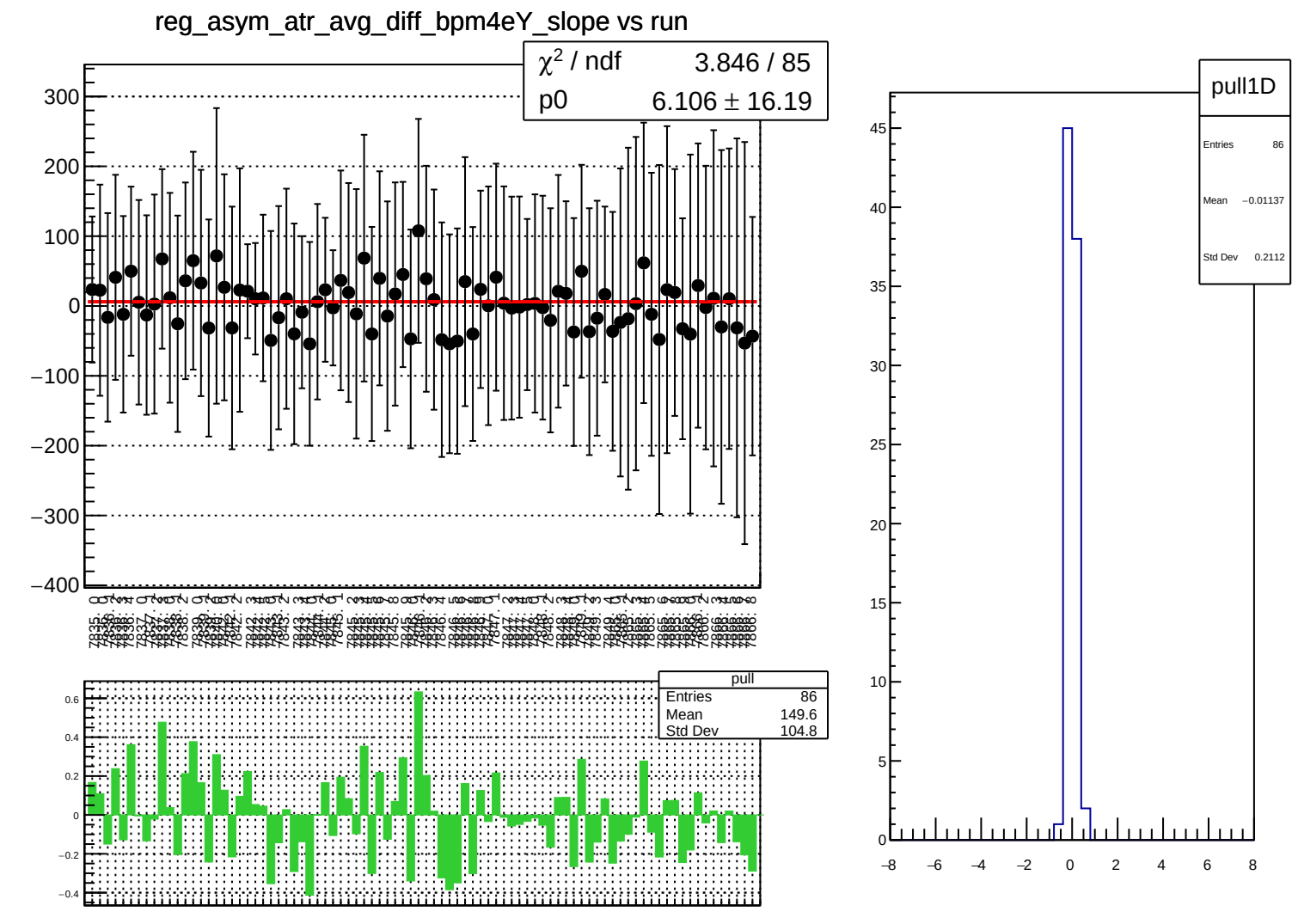

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 161.7 / 85
p0 −275.4 ± 11.42
pull
Entries 86
Mean 39.95
Std Dev 25.47
pull1D
Entries 86
Mean 0.5915
Std Dev 1.237

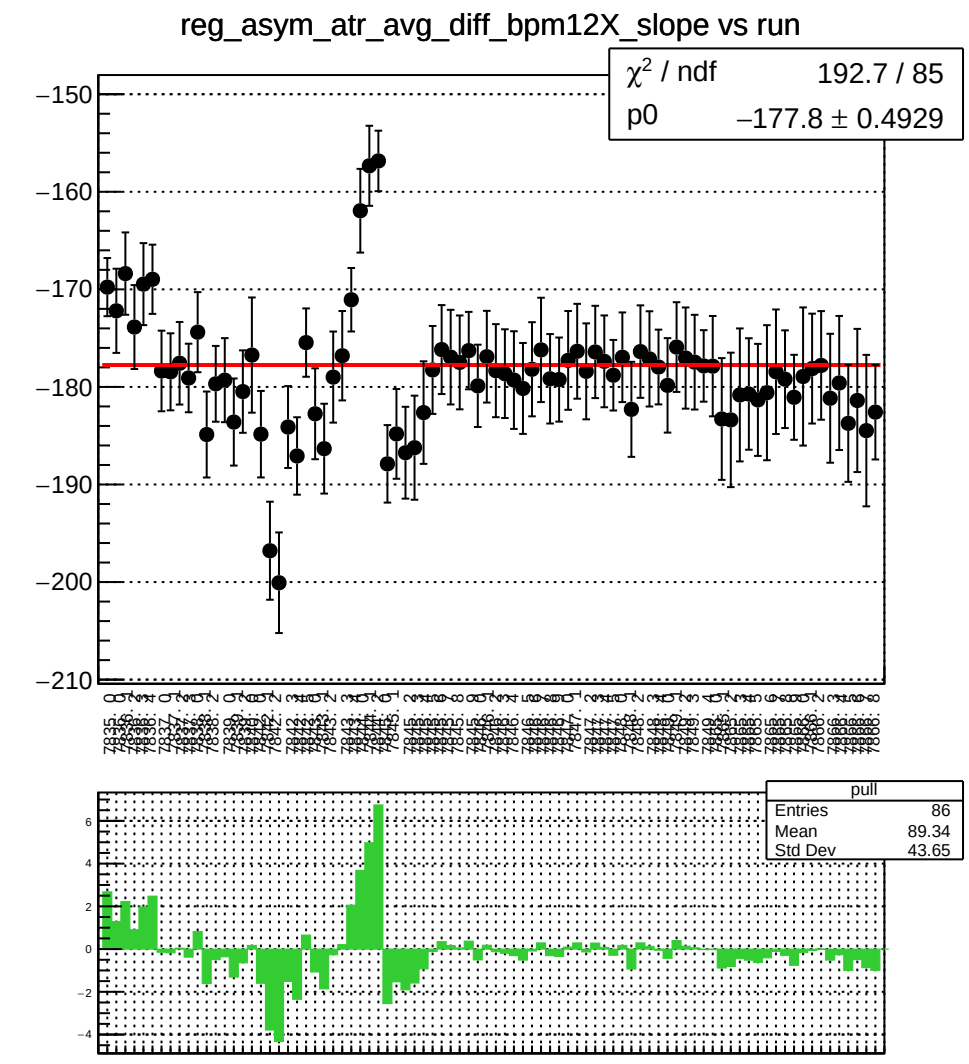

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.815 / 85
p0 56.59 ± 13.9
pull
Entries 86
Mean 99.21
Std Dev 62.2

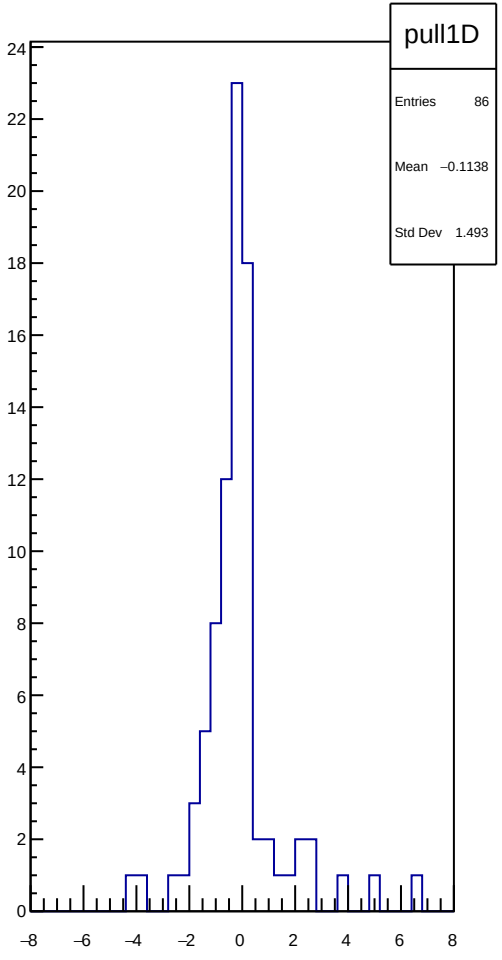

pull1D
Entries 86
Mean 0.01095
Std Dev 0.2103

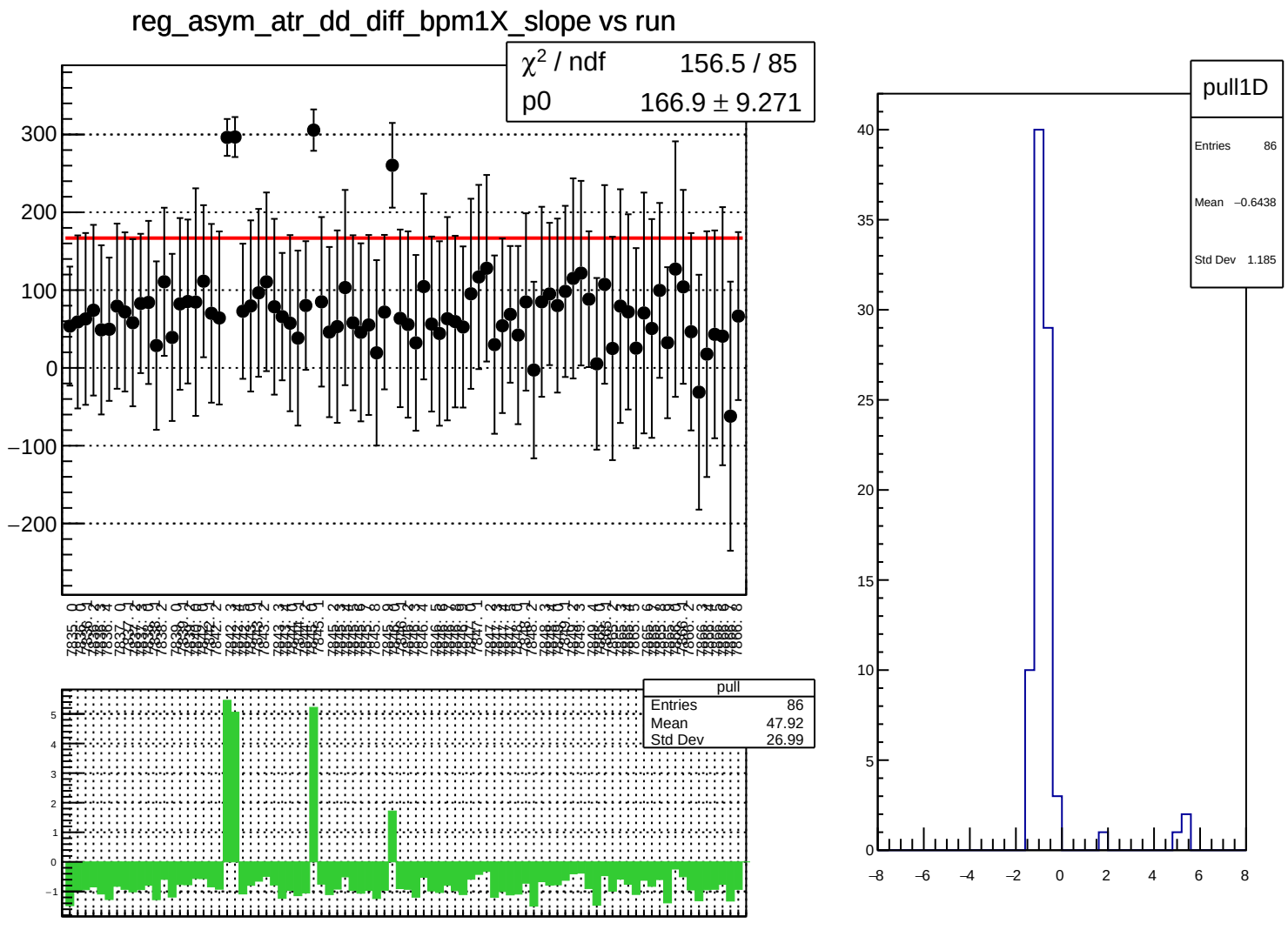

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 202.5 / 85
p0 307.8 ± 9.841
pull
Entries 86
Mean 41.53
Std Dev 25.85

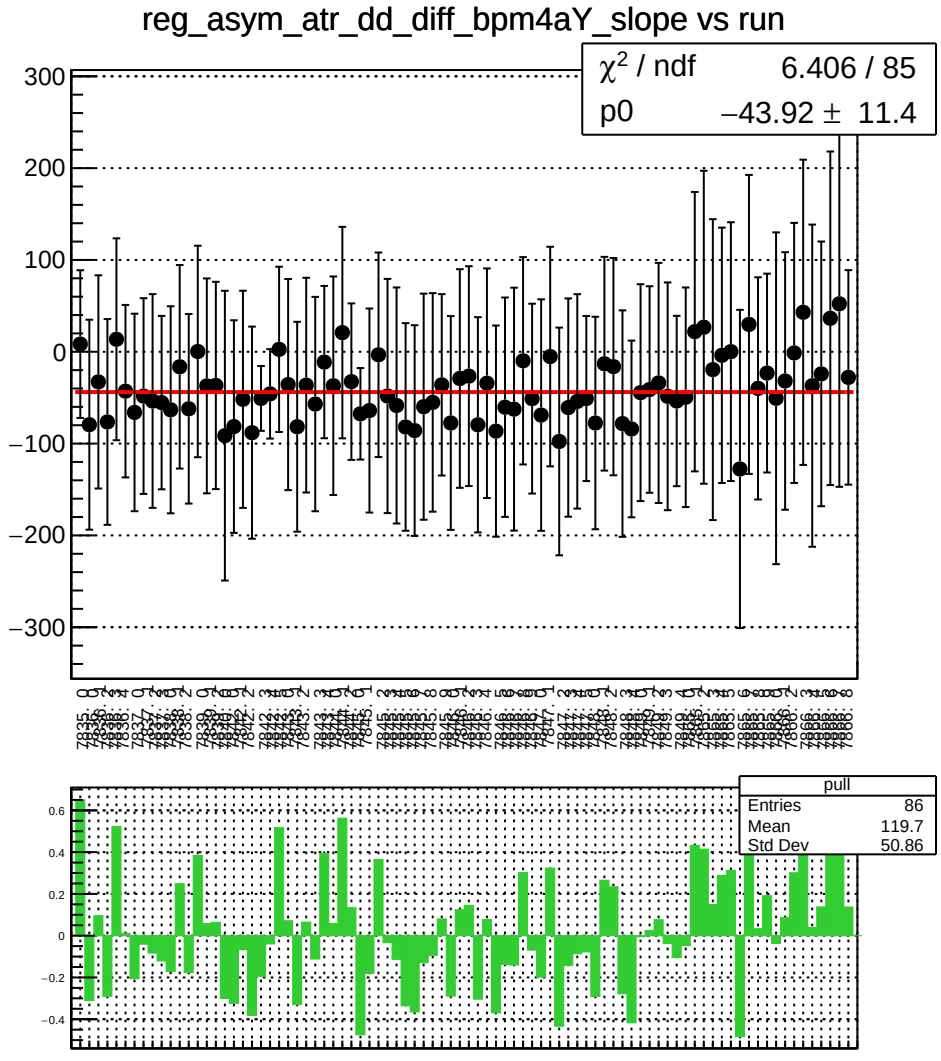

pull1D
Entries 86
Mean −0.7673
Std Dev 1.329

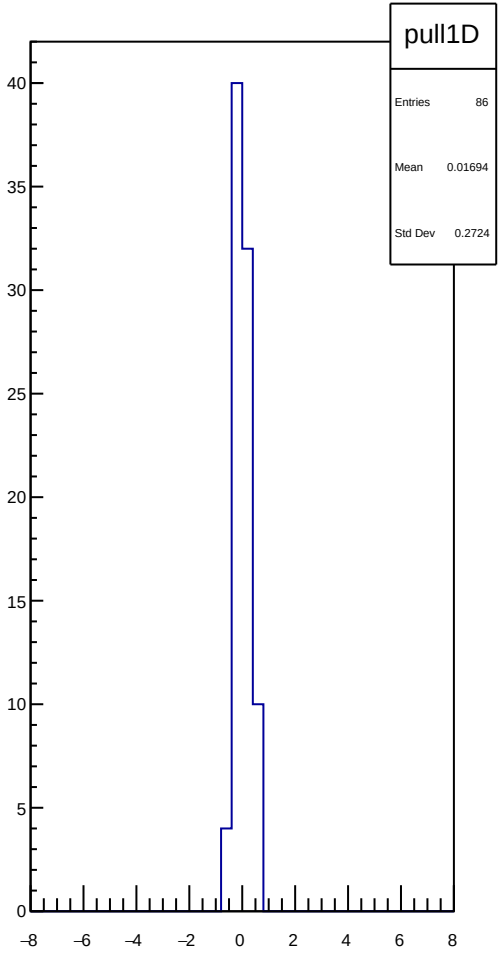

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.846 / 85
p0 6.106 ± 16.19
pull
Entries 86
Mean 149.6
Std Dev 104.8
pull1D
Entries 86
Mean −0.01137
Std Dev 0.2112

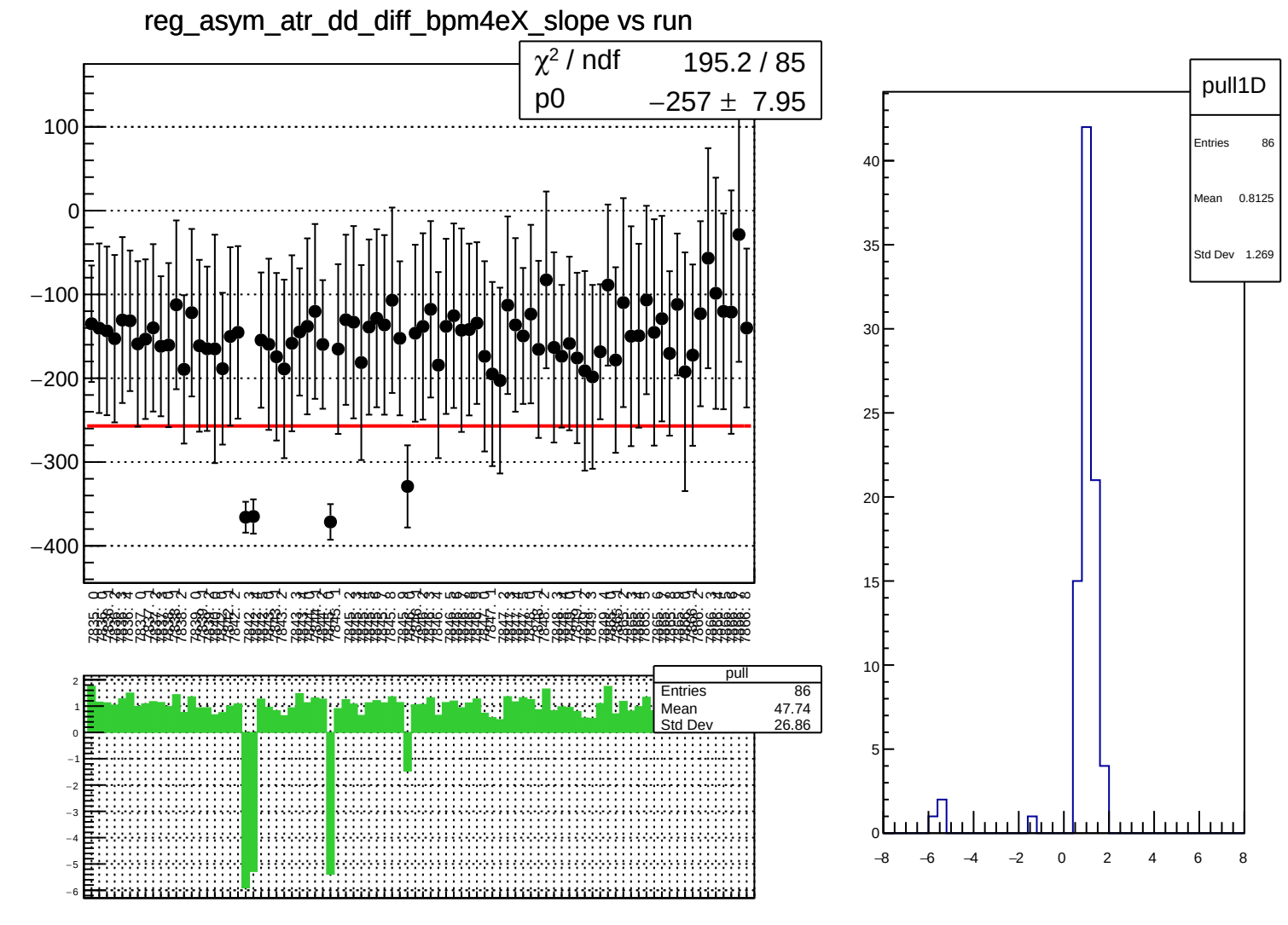

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 192.7 / 85
p0 −177.8 ± 0.4929
pull
Entries 86
Mean 89.34
Std Dev 43.65

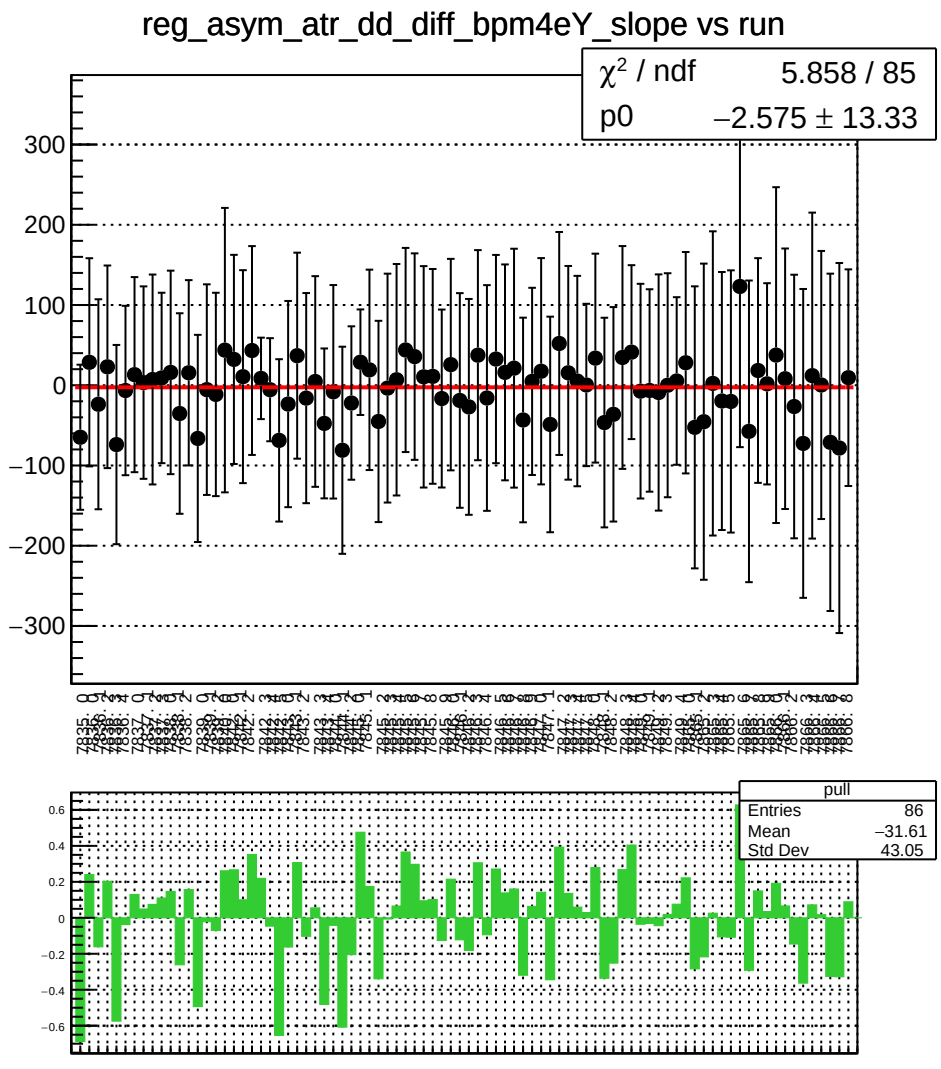

pull1D
Entries 86
Mean −0.1138
Std Dev 1.493

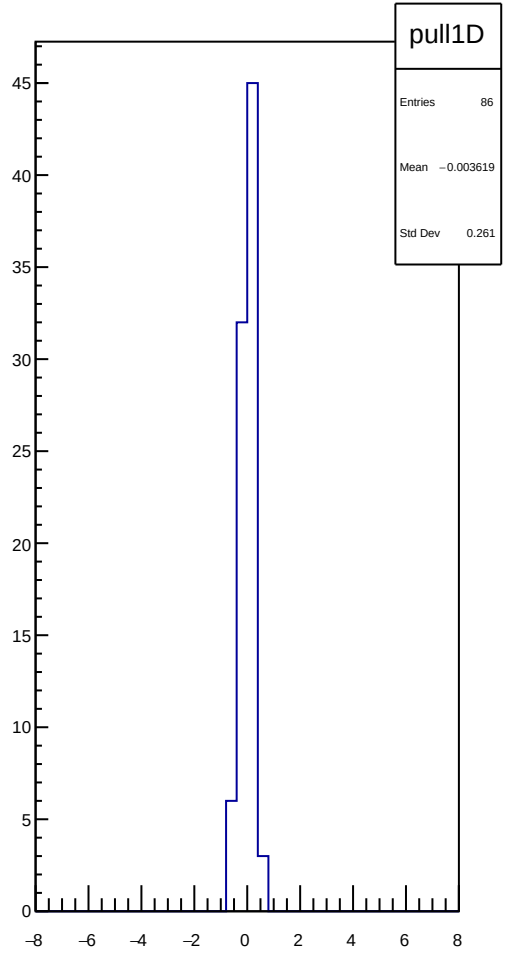

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 156.5 / 85
p0 166.9 ± 9.271
300
200
100
0
−100
−200
pull
Entries 86
Mean 47.92
Std Dev 26.99
5
4
3
2
1
0
−1
pull1D
Entries 86
Mean −0.6438
Std Dev 1.185
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

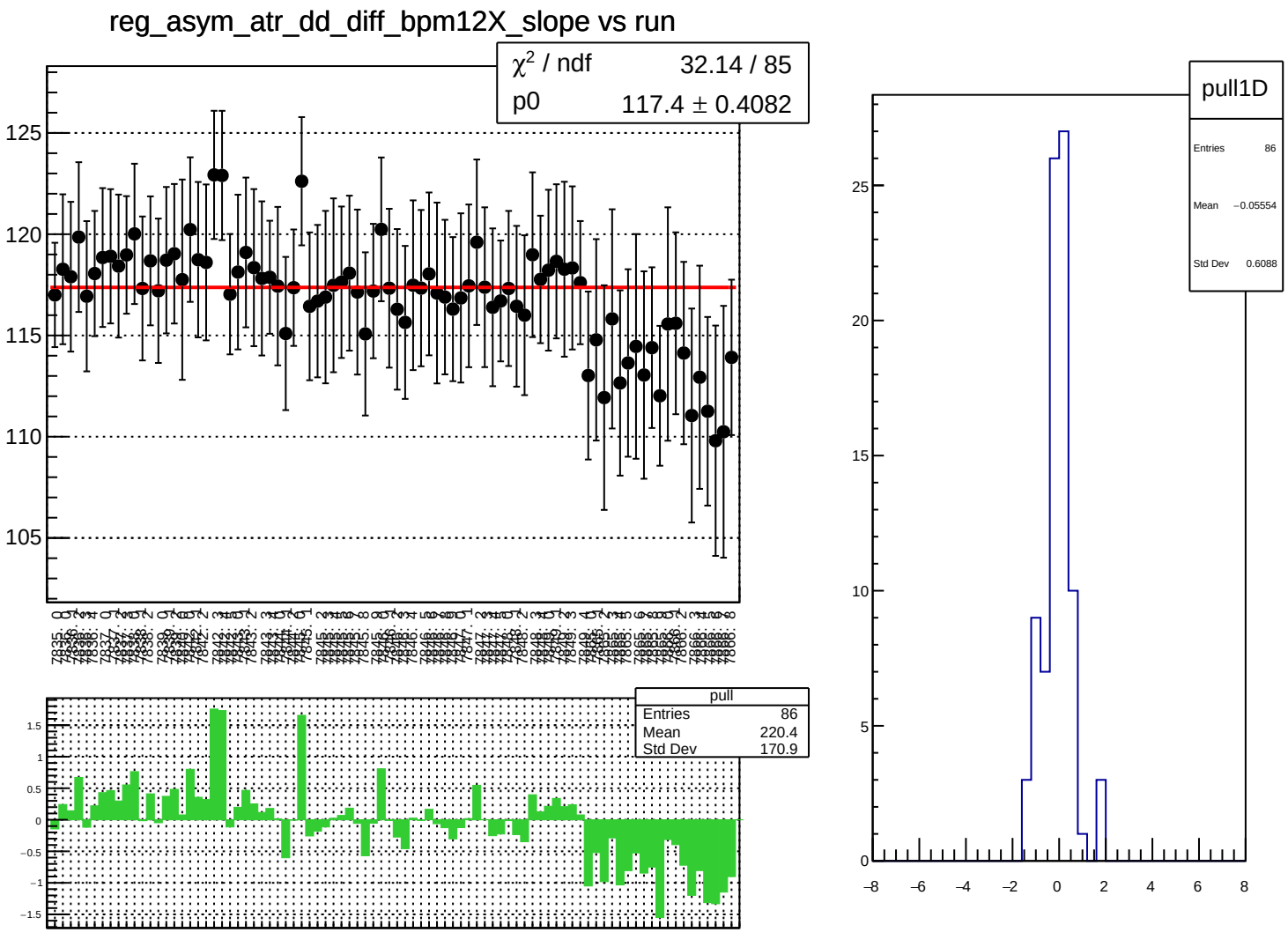

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.406 / 85
p0 −43.92 ± 11.4
pull
Entries 86
Mean 119.7
Std Dev 50.86

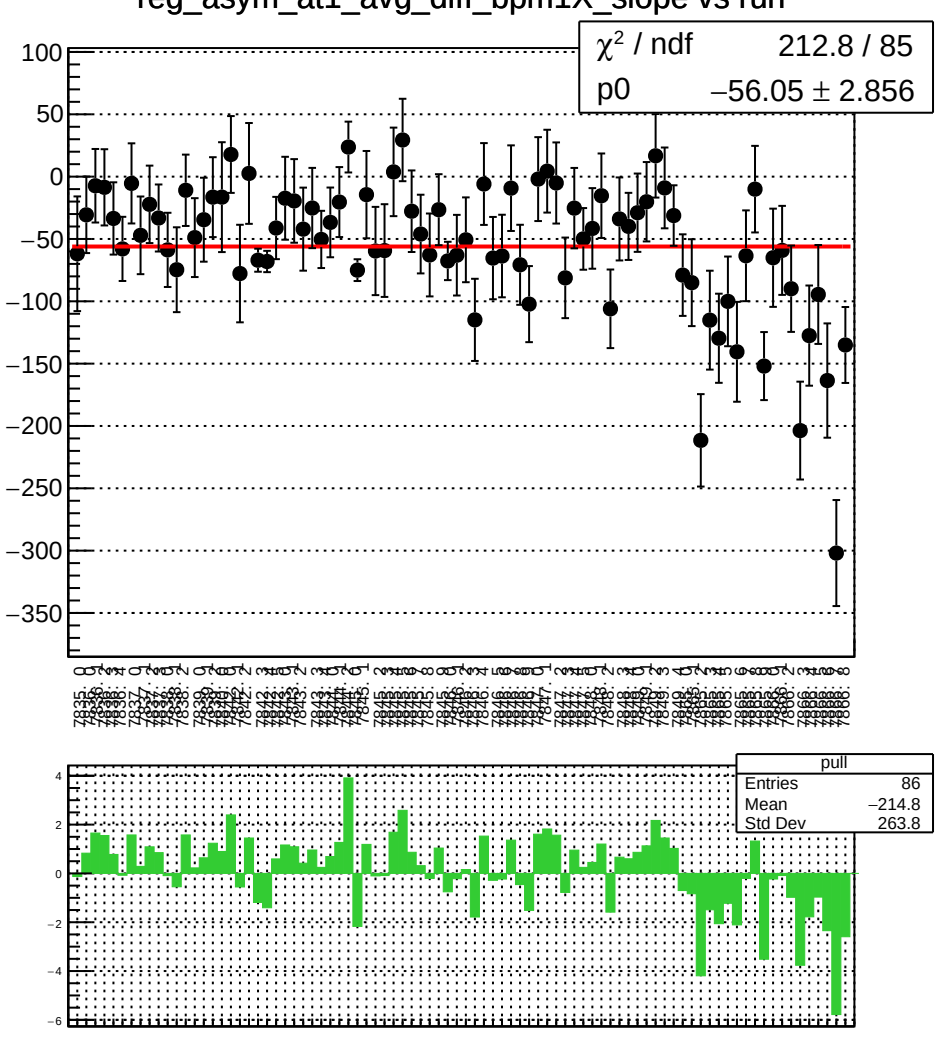

pull1D
Entries 86
Mean 0.01694
Std Dev 0.2724

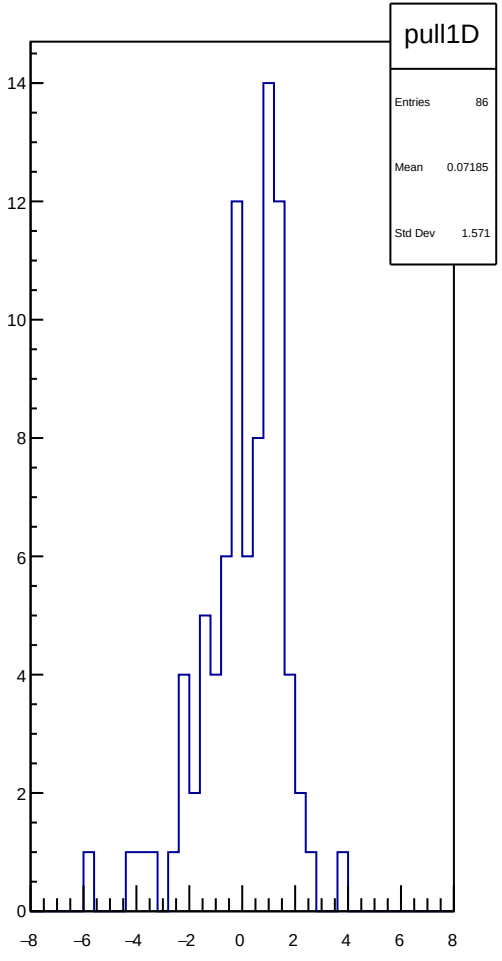

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 195.2 / 85
p0 −257 ± 7.95
pull
Entries 86
Mean 47.74
Std Dev 26.86
pull1D
Entries 86
Mean 0.8125
Std Dev 1.269

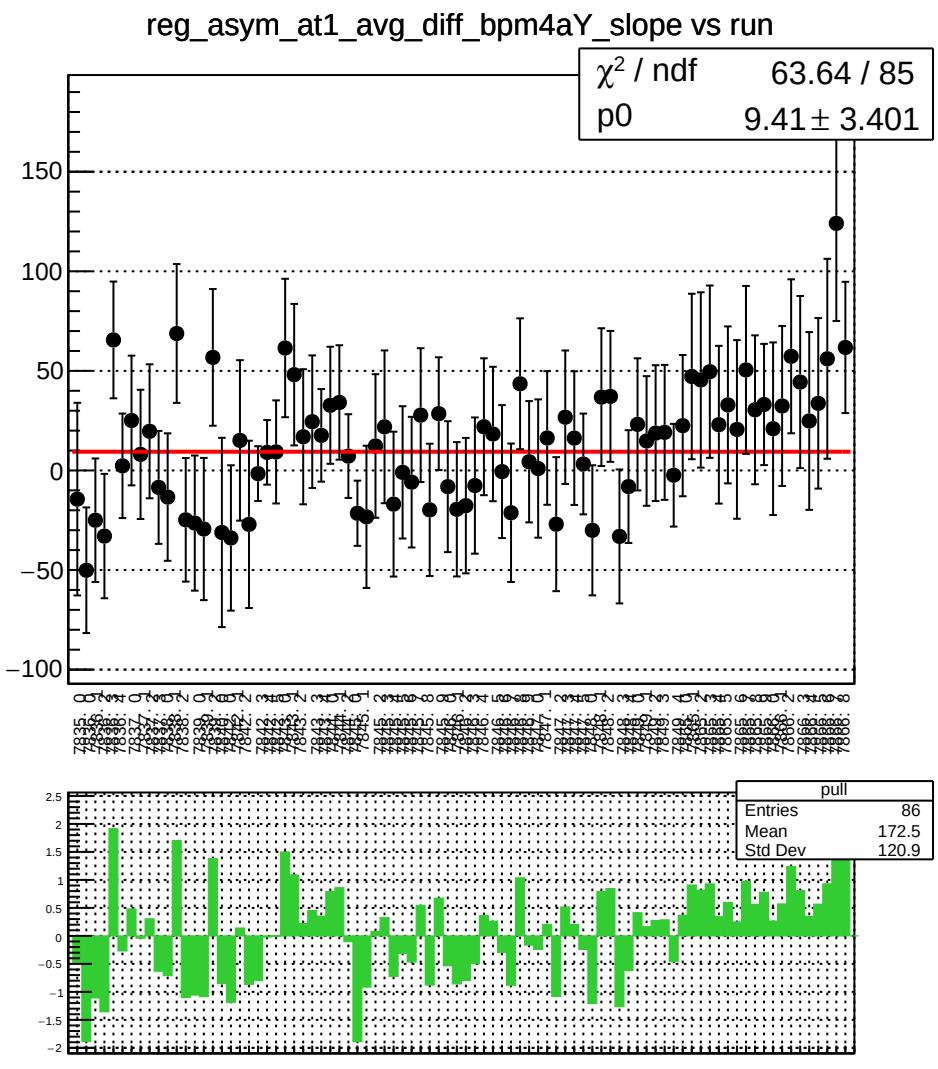

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.858 / 85
p0 −2.575 ± 13.33
300
200
100
0
−100
−200
−300
pull
Entries 86
Mean −31.61
Std Dev 43.05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

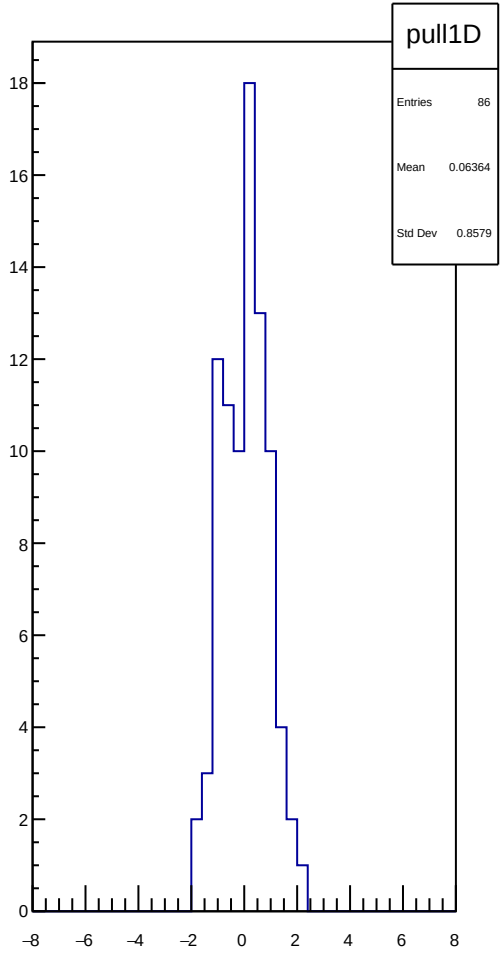

pull1D
Entries 86
Mean −0.003619
Std Dev 0.261
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

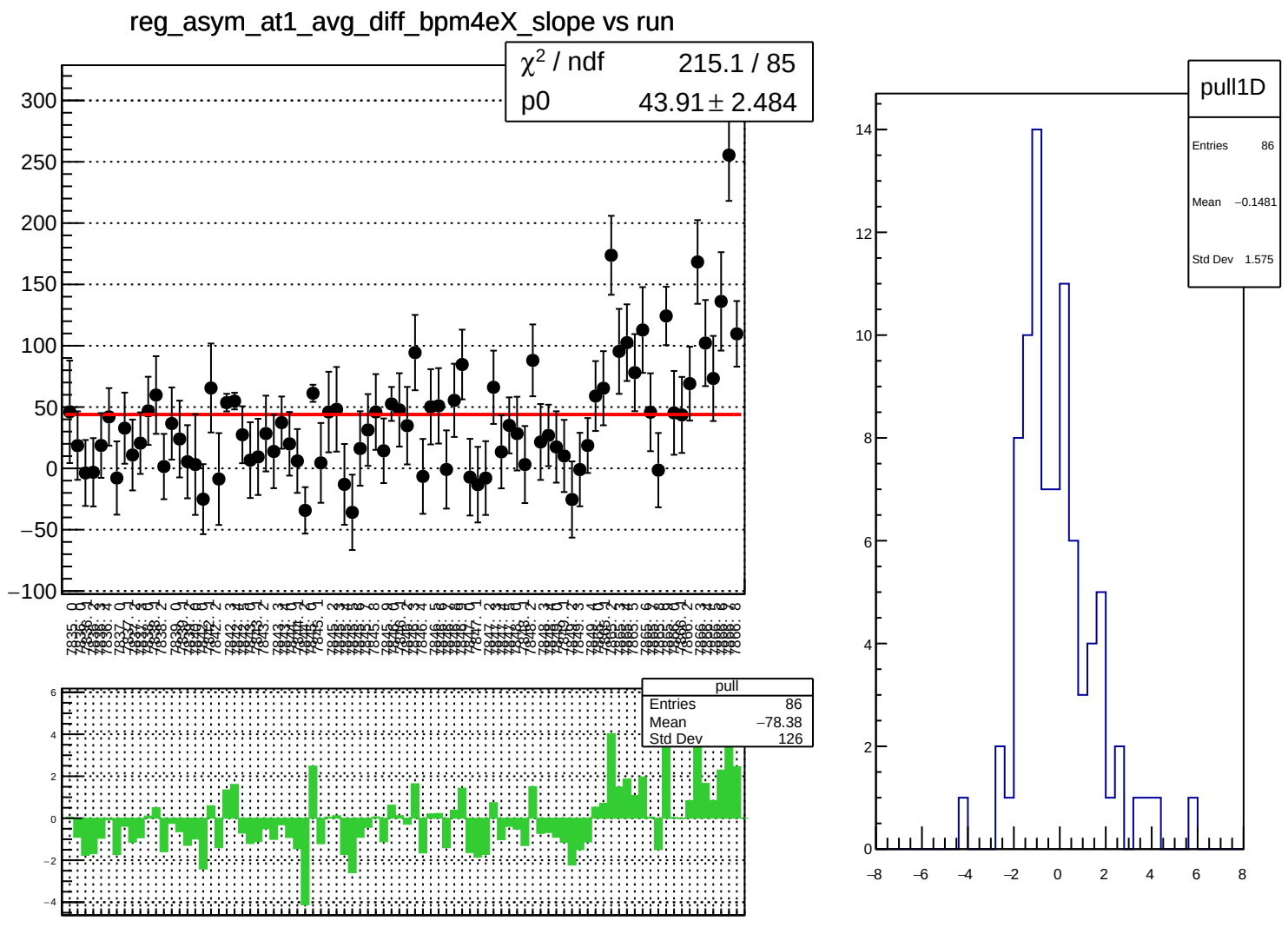

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 32.14 / 85
p0 117.4 ± 0.4082
125
120
115
110
105
pull
Entries 86
Mean 220.4
Std Dev 170.9
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.05554
Std Dev 0.6088
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

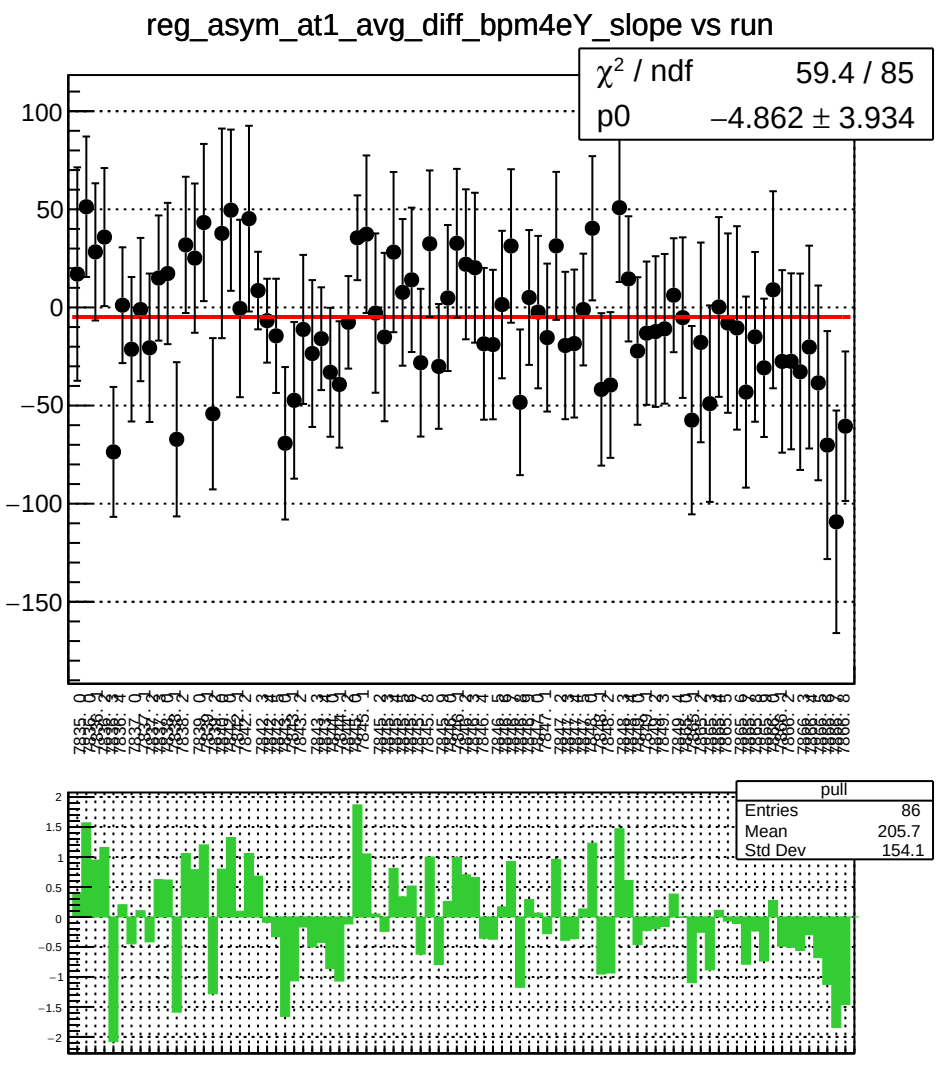

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 212.8 / 85
p0 −56.05 ± 2.856
pull
Entries 86
Mean −214.8
Std Dev 263.8

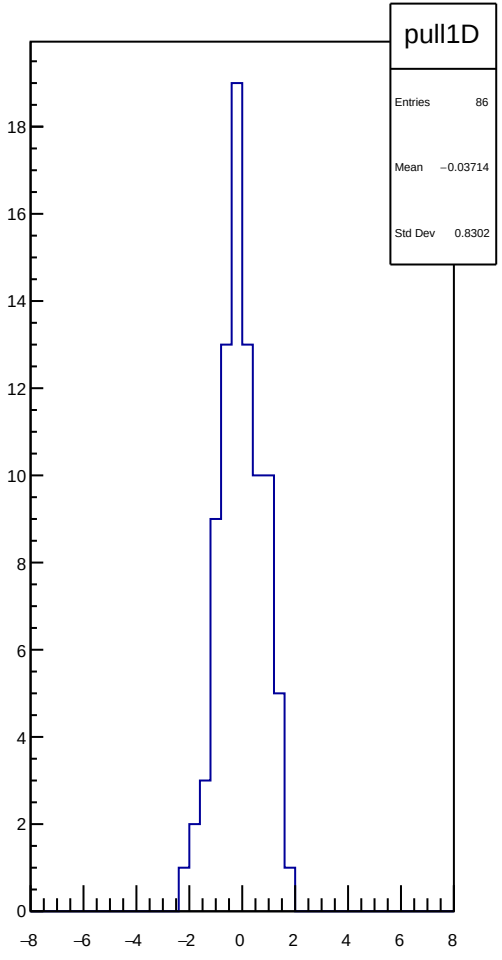

pull1D
Entries 86
Mean 0.07185
Std Dev 1.571

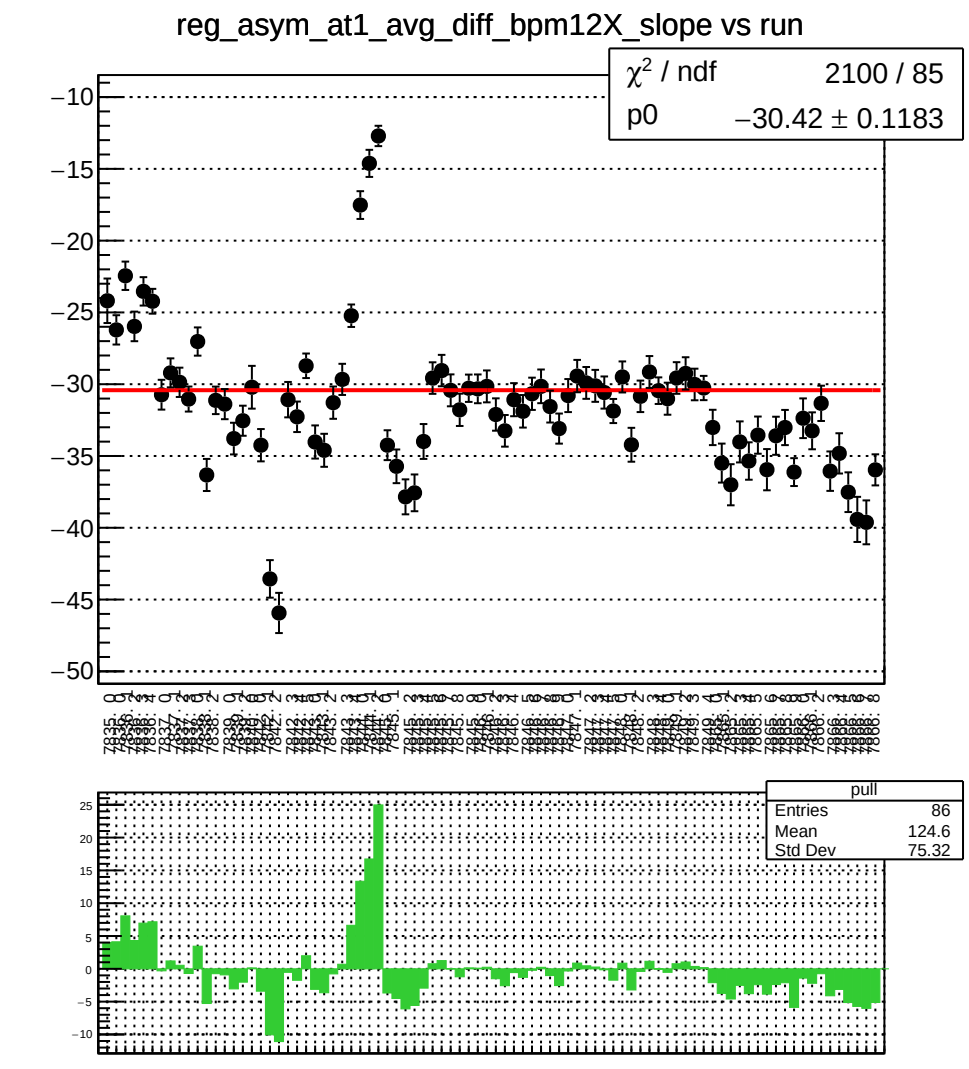

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.64 / 85
p0 9.41 ± 3.401
150
100
50
0
−50
−100
pull
Entries 86
Mean 172.5
Std Dev 120.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

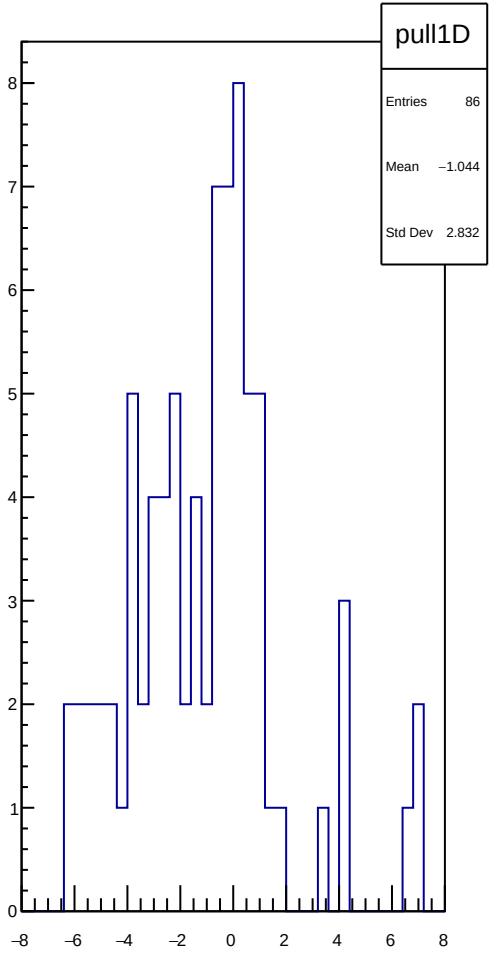

pull1D
Entries 86
Mean 0.06364
Std Dev 0.8579
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

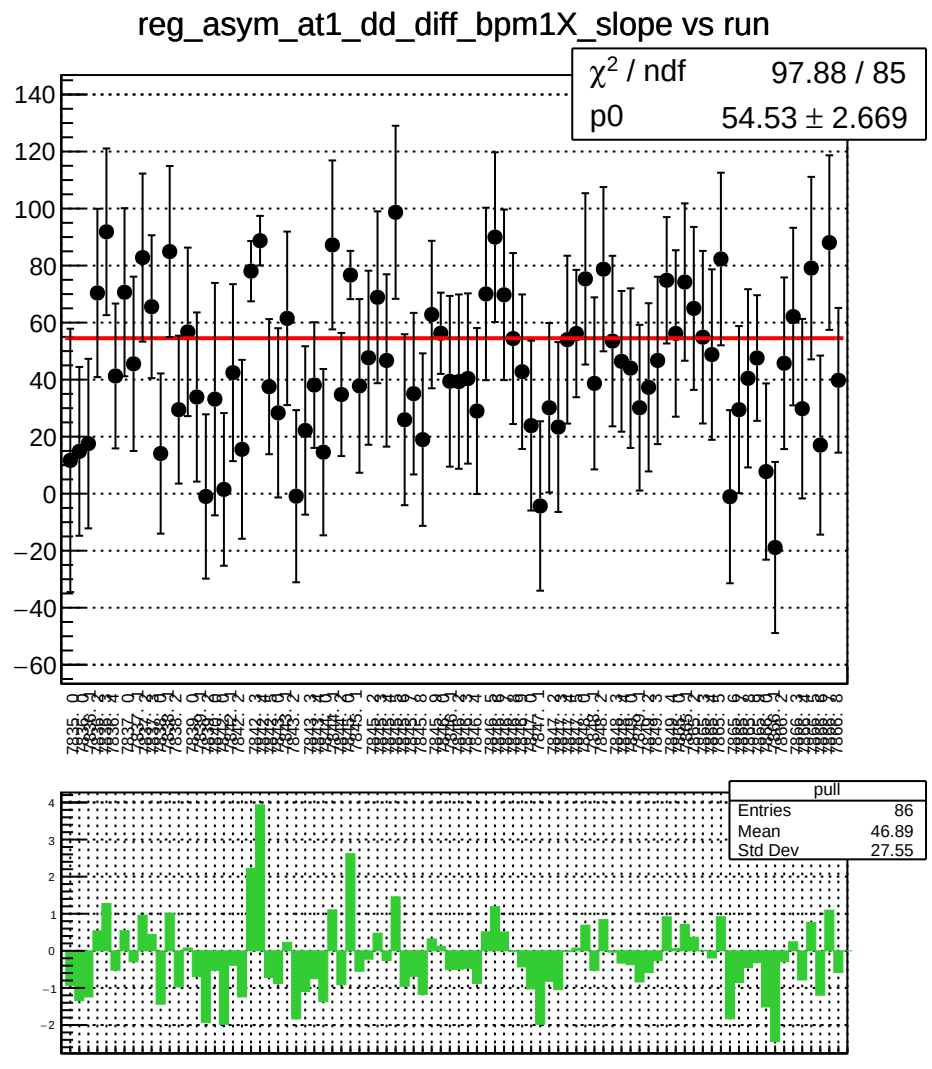

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 215.1 / 85
p0 43.91 ± 2.484
pull
Entries 86
Mean −78.38
Std Dev 126
pull1D
Entries 86
Mean −0.1481
Std Dev 1.575

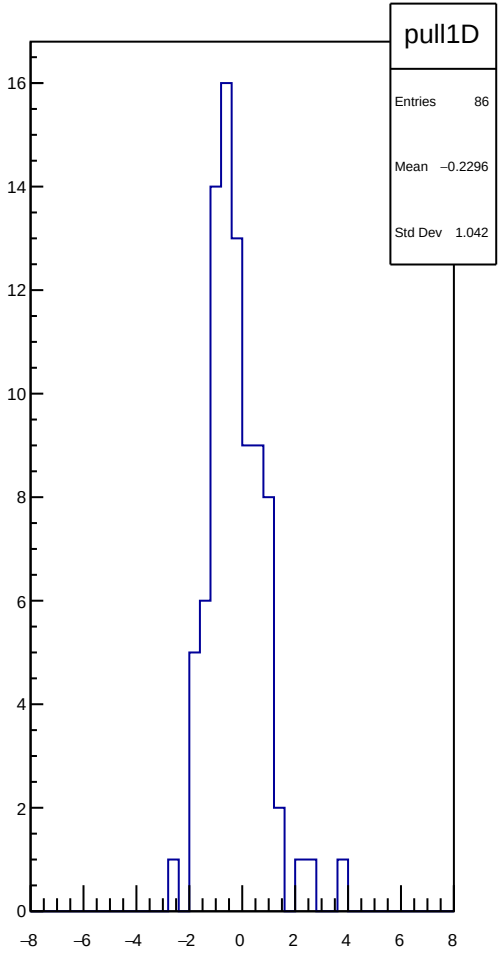

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.4 / 85
p0 −4.862 ± 3.934
pull
Entries 86
Mean 205.7
Std Dev 154.1

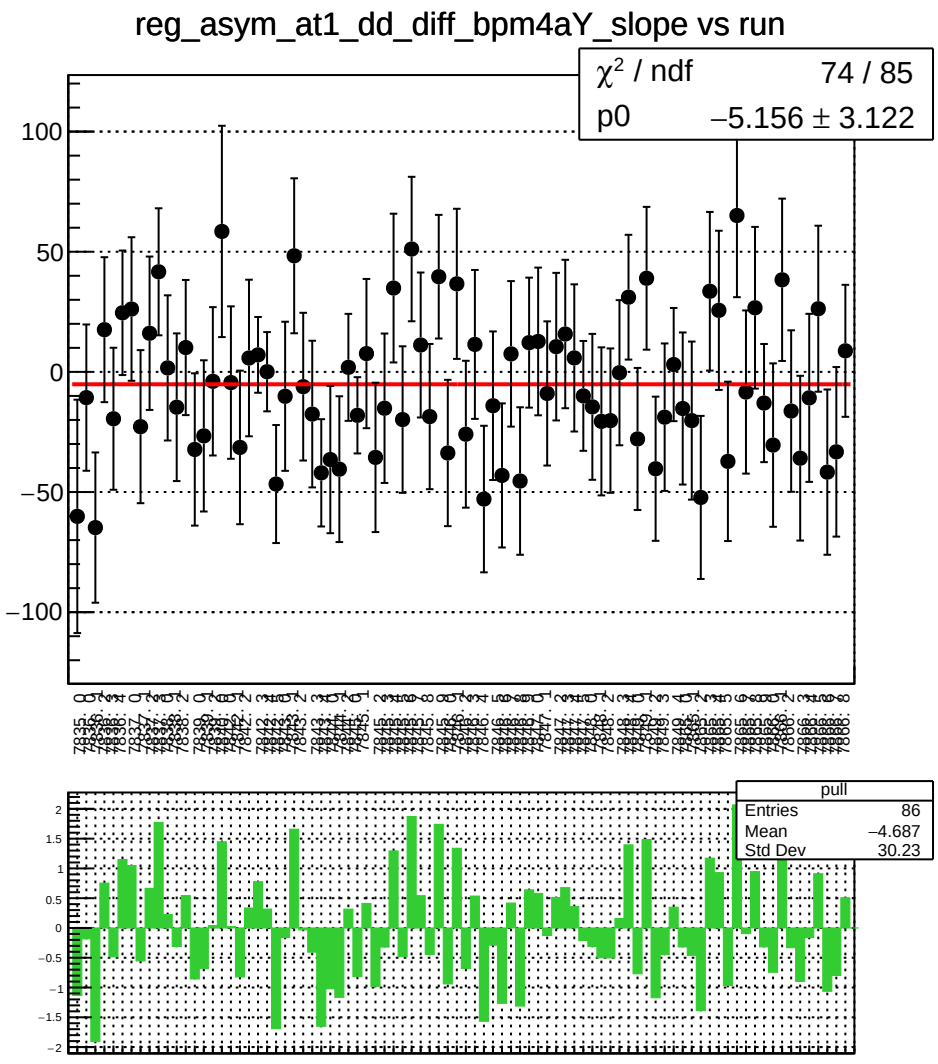

pull1D
Entries 86
Mean −0.03714
Std Dev 0.8302

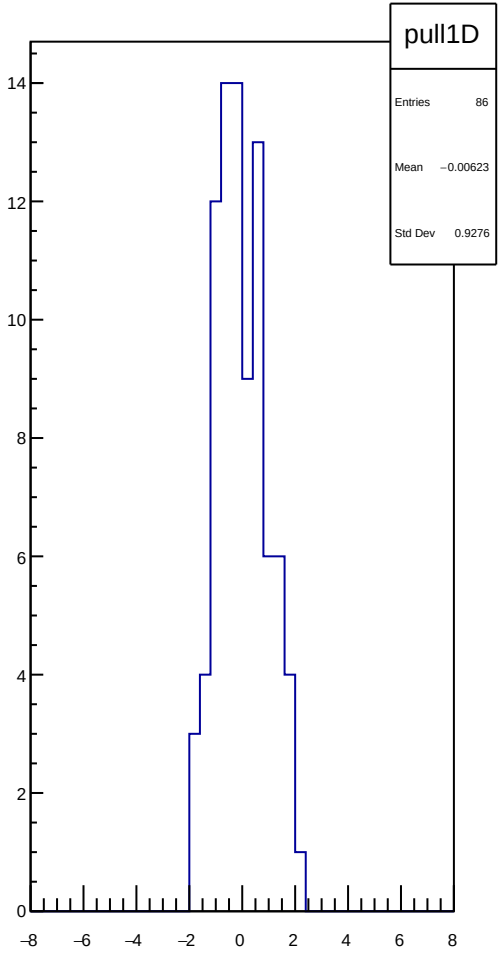

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 2100 / 85
p0 −30.42 ± 0.1183
pull
Entries 86
Mean 124.6
Std Dev 75.32

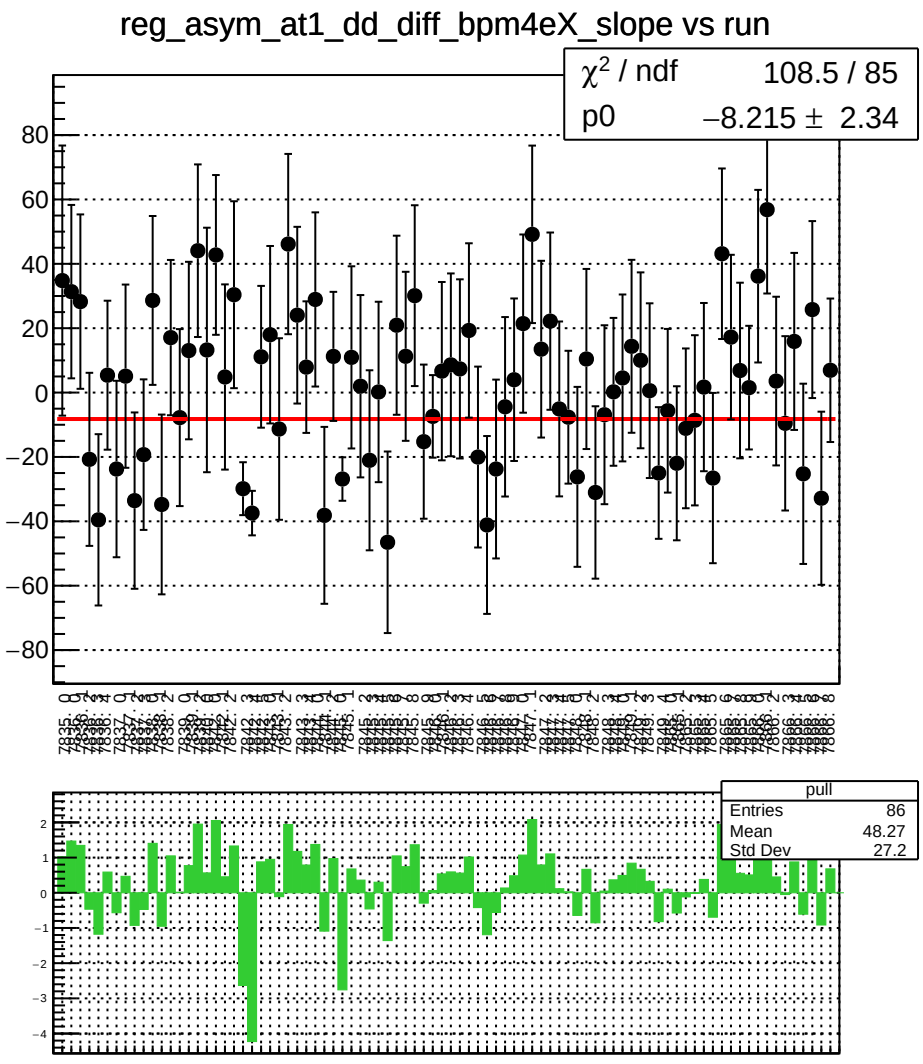

pull1D
Entries 86
Mean −1.044
Std Dev 2.832

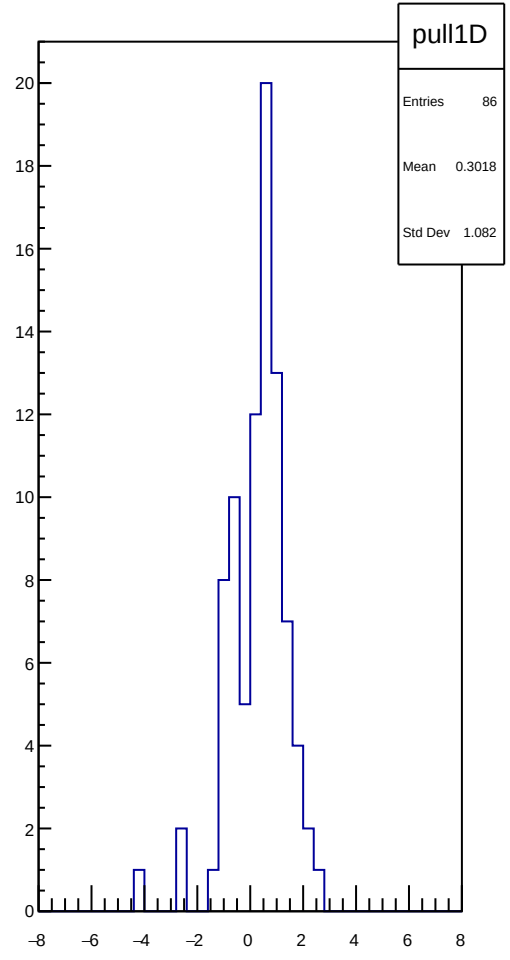

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 97.88 / 85
p0 54.53 ± 2.669
pull
Entries 86
Mean 46.89
Std Dev 27.55

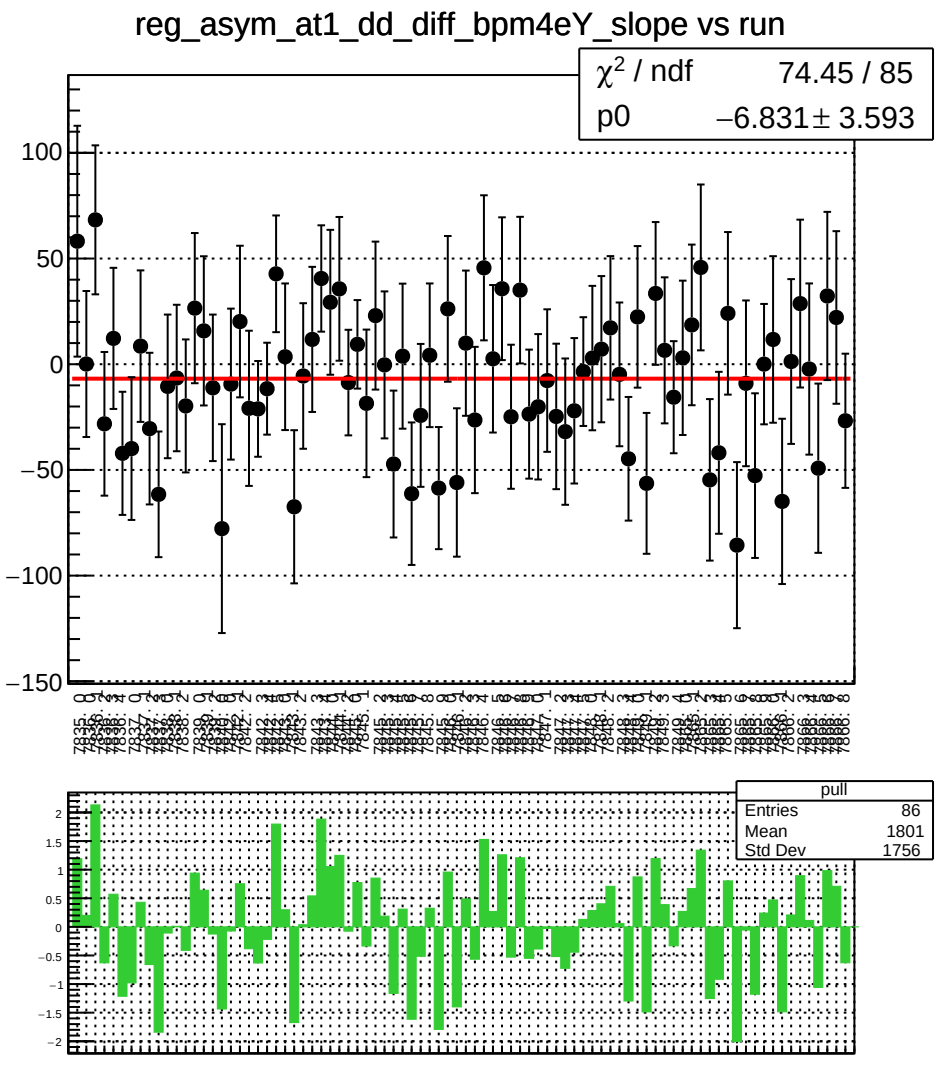

pull1D
Entries 86
Mean −0.2296
Std Dev 1.042

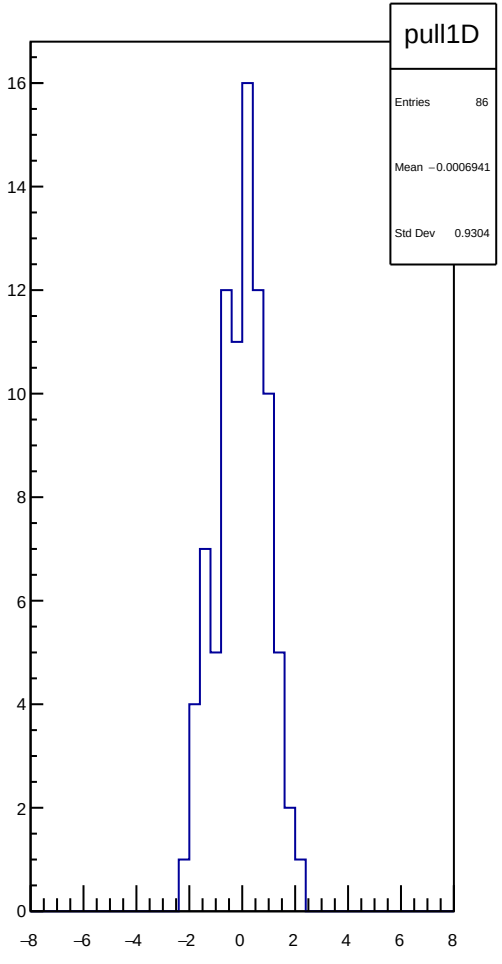

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 74 / 85
p0 −5.156 ± 3.122
100
50
0
−50
−100
pull
Entries 86
Mean −4.687
Std Dev 30.23
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

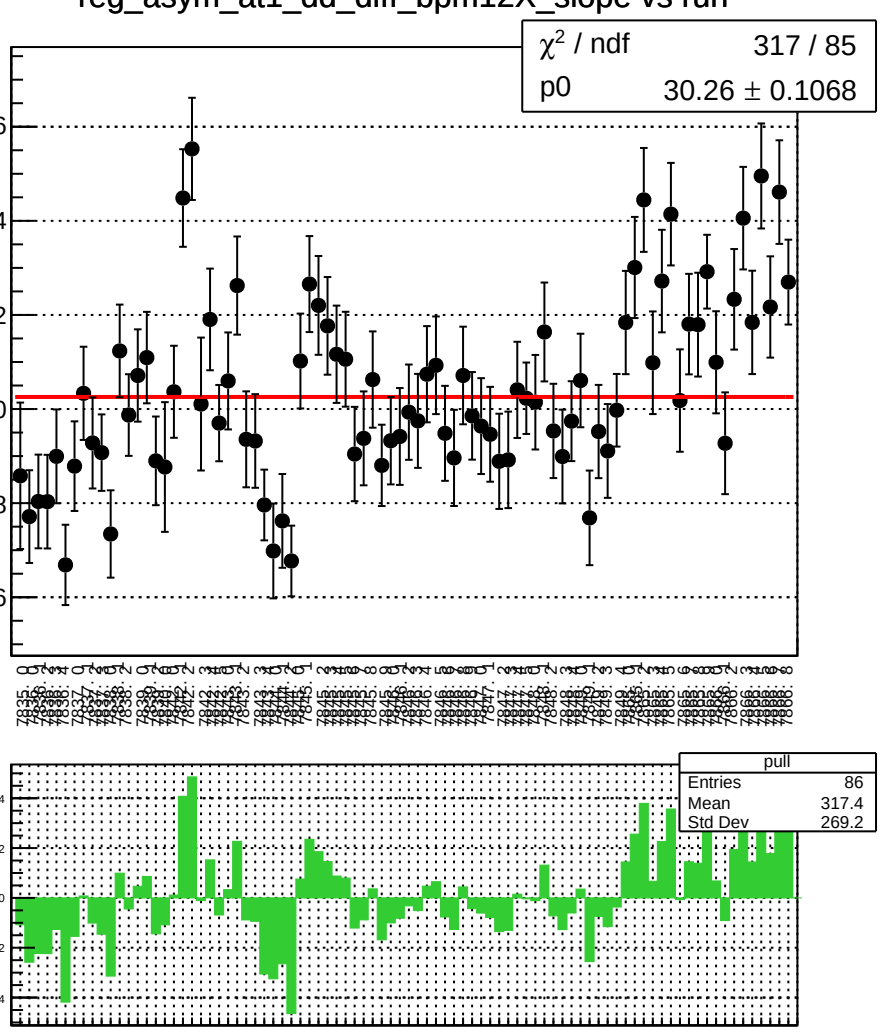

pull1D
Entries 86
Mean −0.00623
Std Dev 0.9276
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

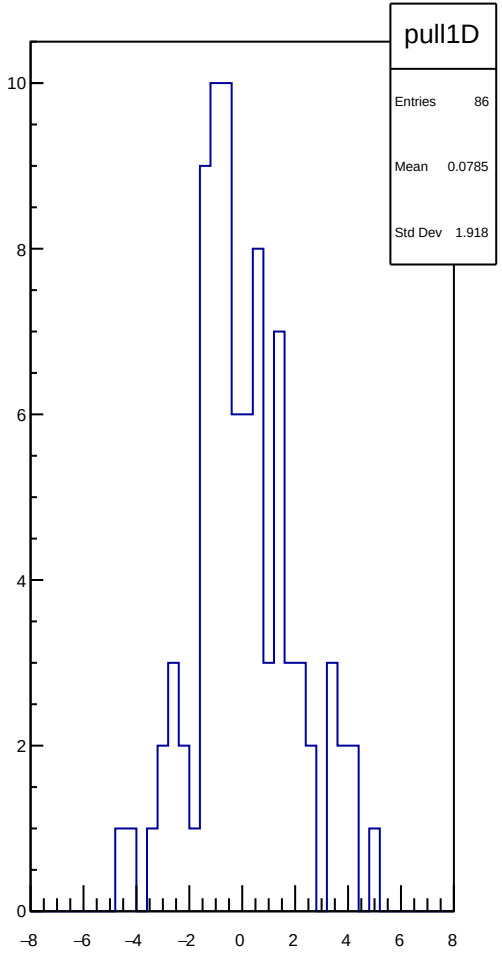

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 108.5 / 85
p0 −8.215 ± 2.34
pull
Entries 86
Mean 48.27
Std Dev 27.2

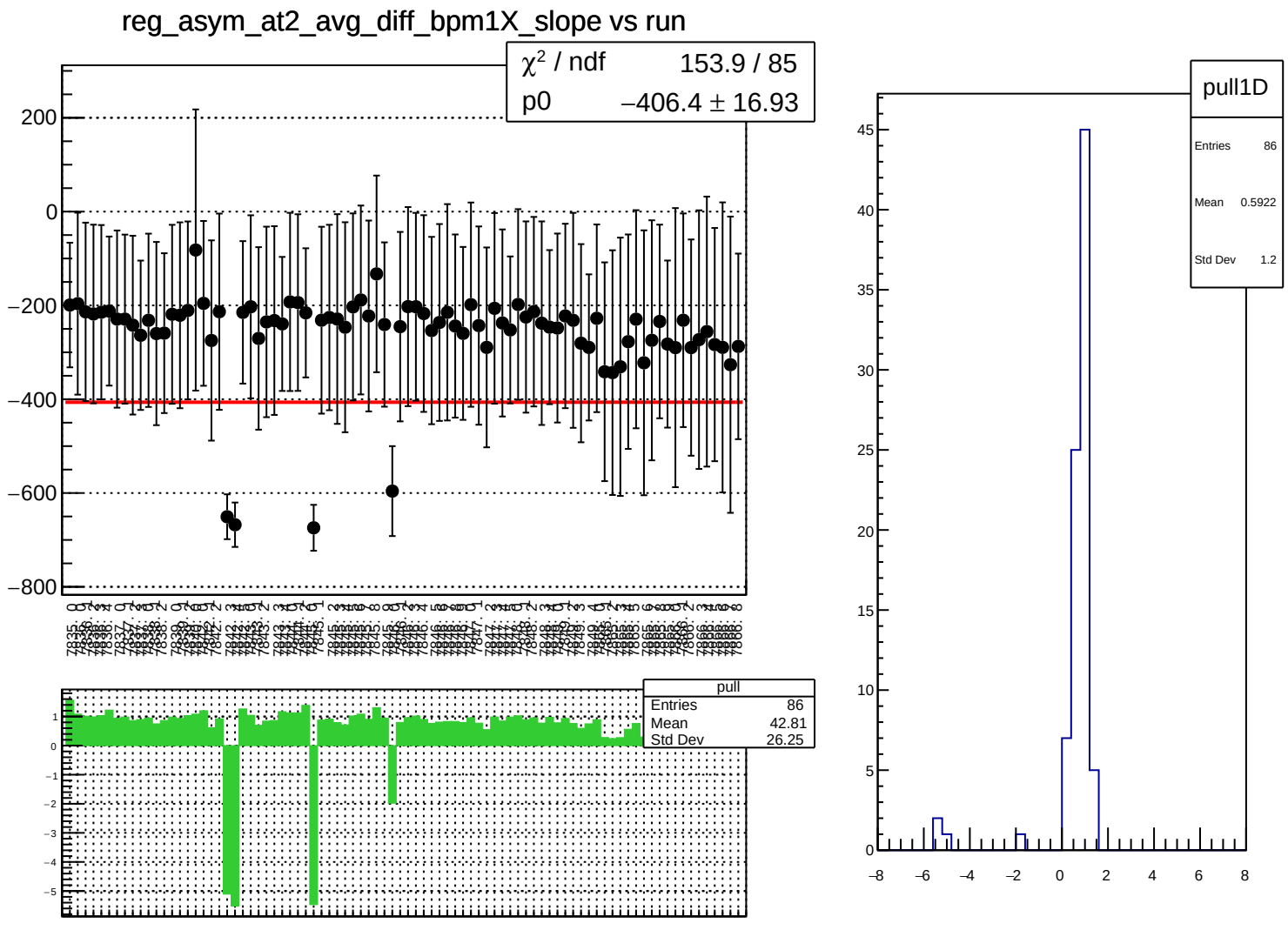

pull1D
Entries 86
Mean 0.3018
Std Dev 1.082

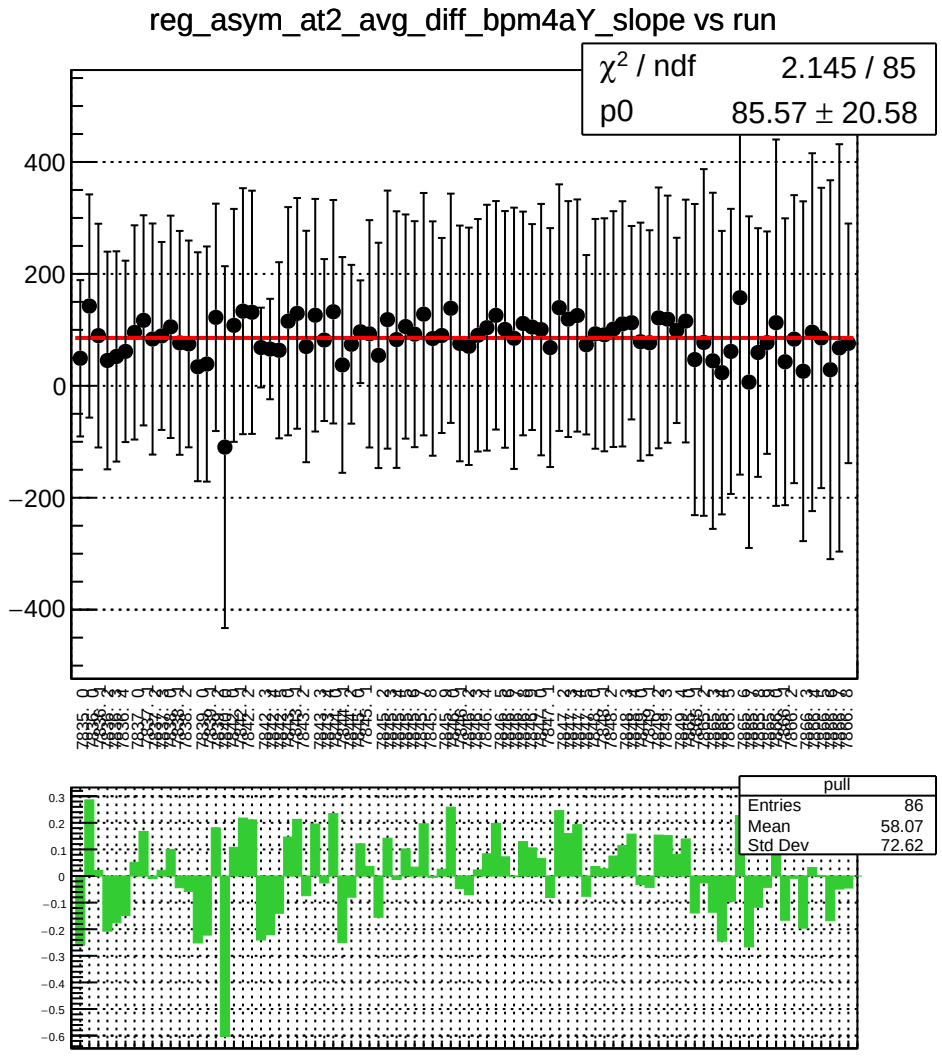

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 74.45 / 85
p0 −6.831 ± 3.593
pull
Entries 86
Mean 1801
Std Dev 1756

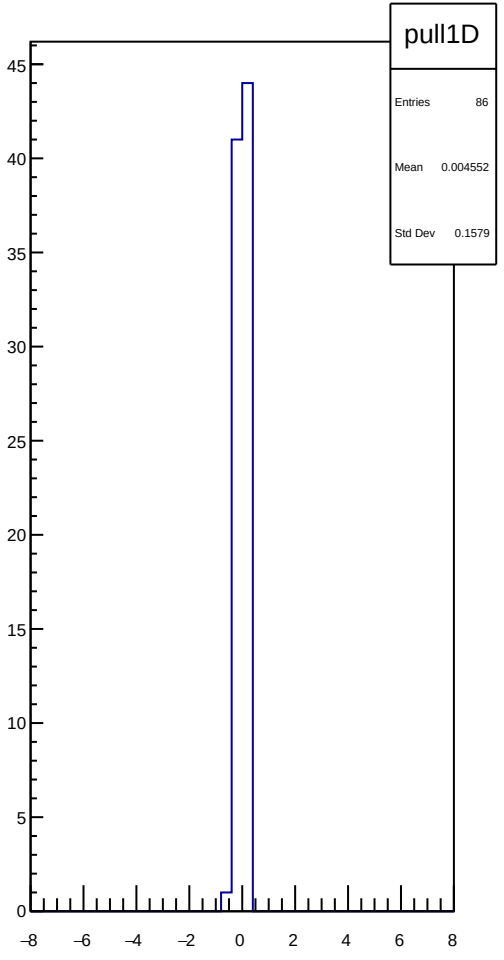

pull1D
Entries 86
Mean −0.0006941
Std Dev 0.9304

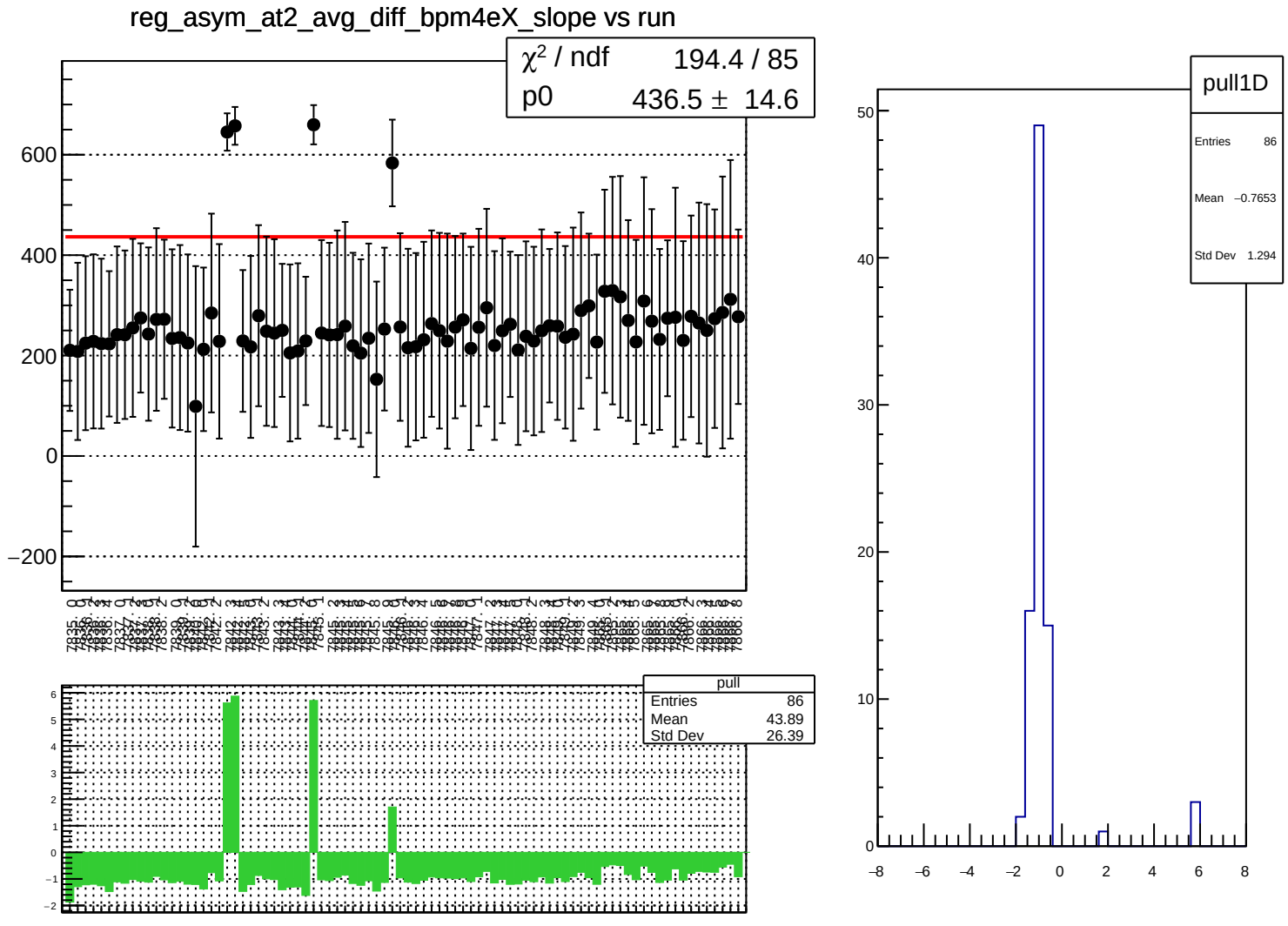

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 317 / 85
p0 30.26 ± 0.1068
pull
Entries 86
Mean 317.4
Std Dev 269.2

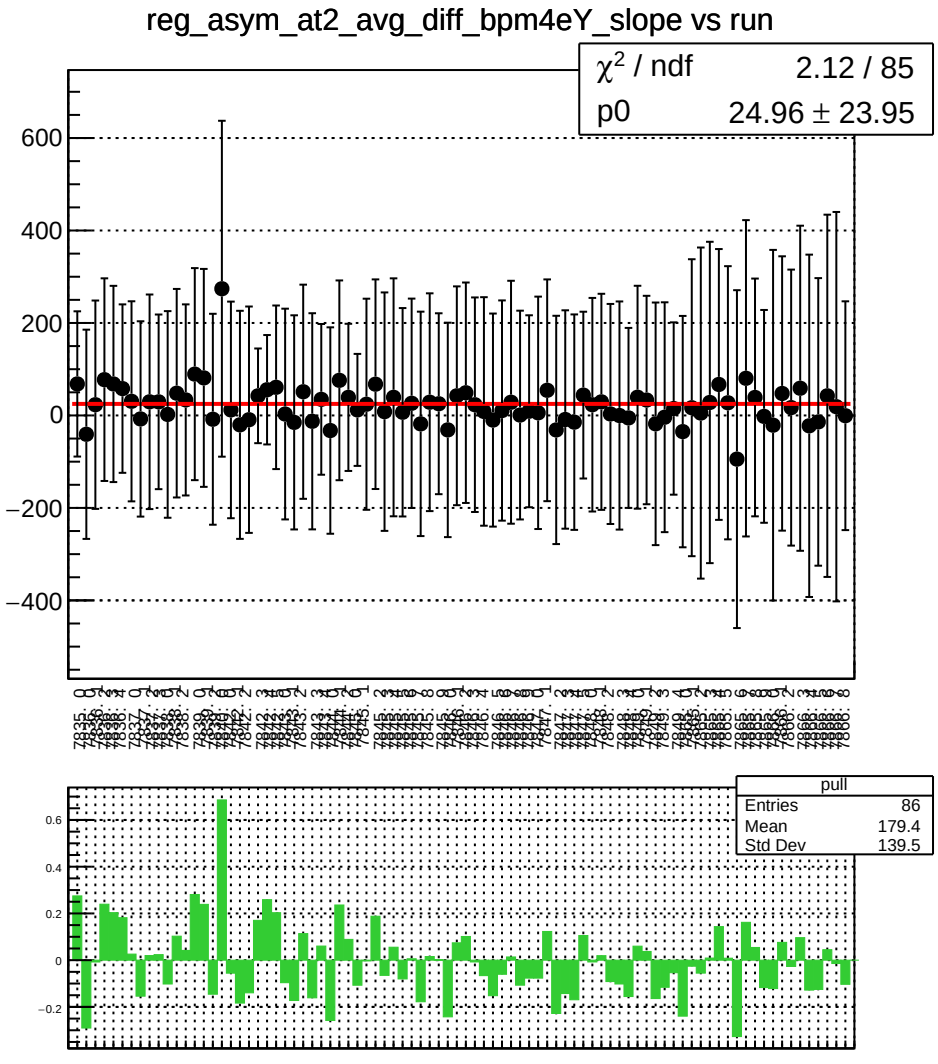

pull1D
Entries 86
Mean 0.0785
Std Dev 1.918

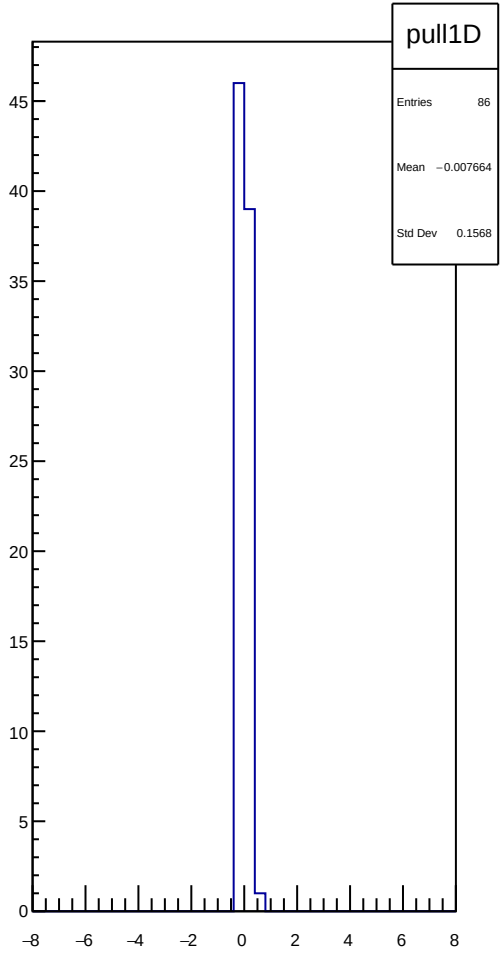

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 153.9 / 85
p0 −406.4 ± 16.93
pull
Entries 86
Mean 42.81
Std Dev 26.25
pull1D
Entries 86
Mean 0.5922
Std Dev 1.2

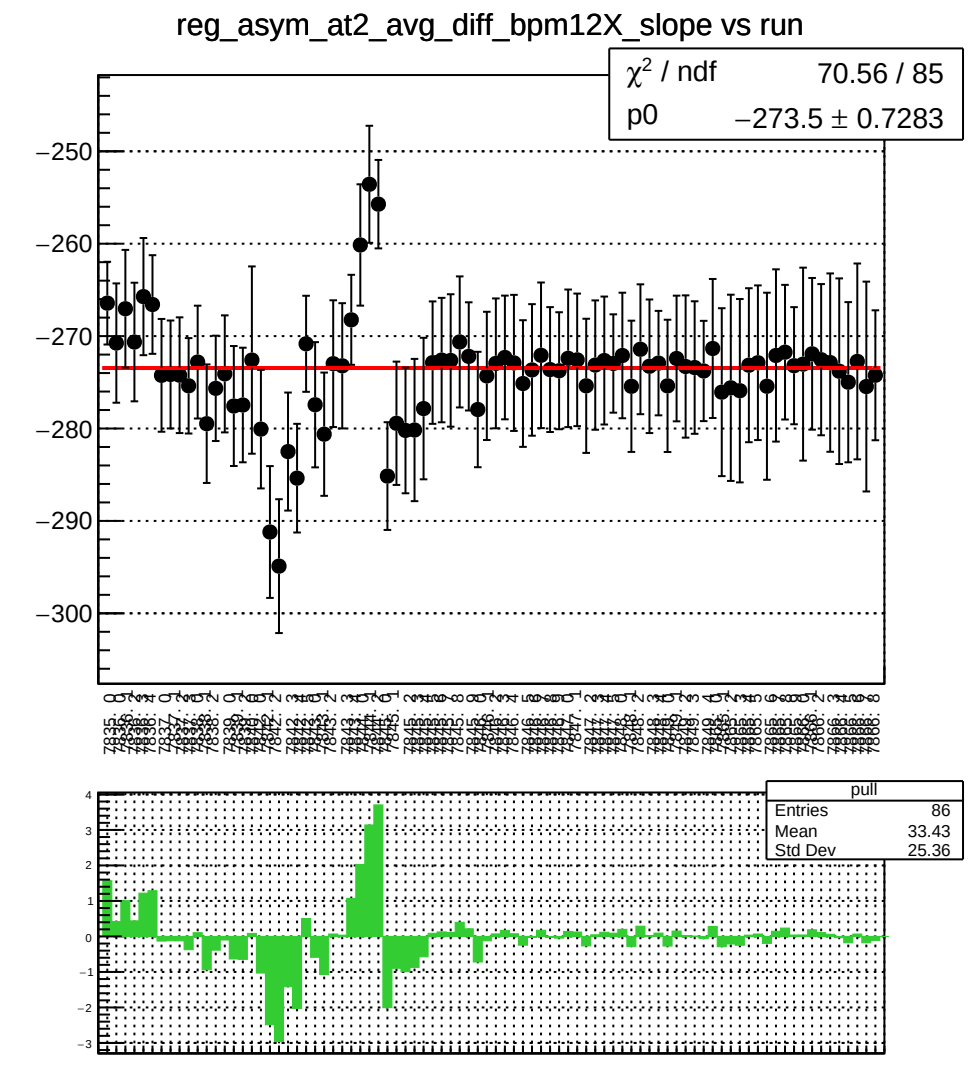

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 2.145 / 85
p0 85.57 ± 20.58
400
200
0
−200
−400
pull
Entries 86
Mean 58.07
Std Dev 72.62
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6

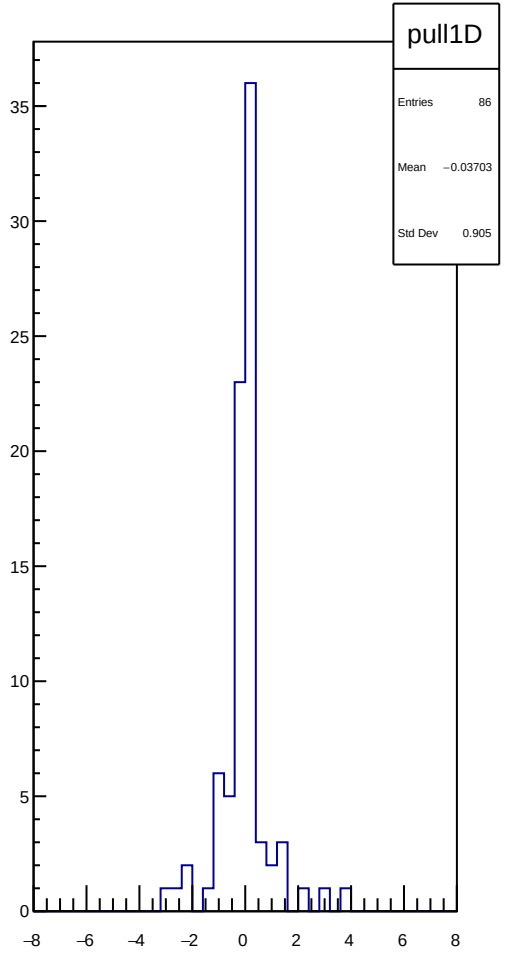

pull1D
Entries 86
Mean 0.004552
Std Dev 0.1579
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

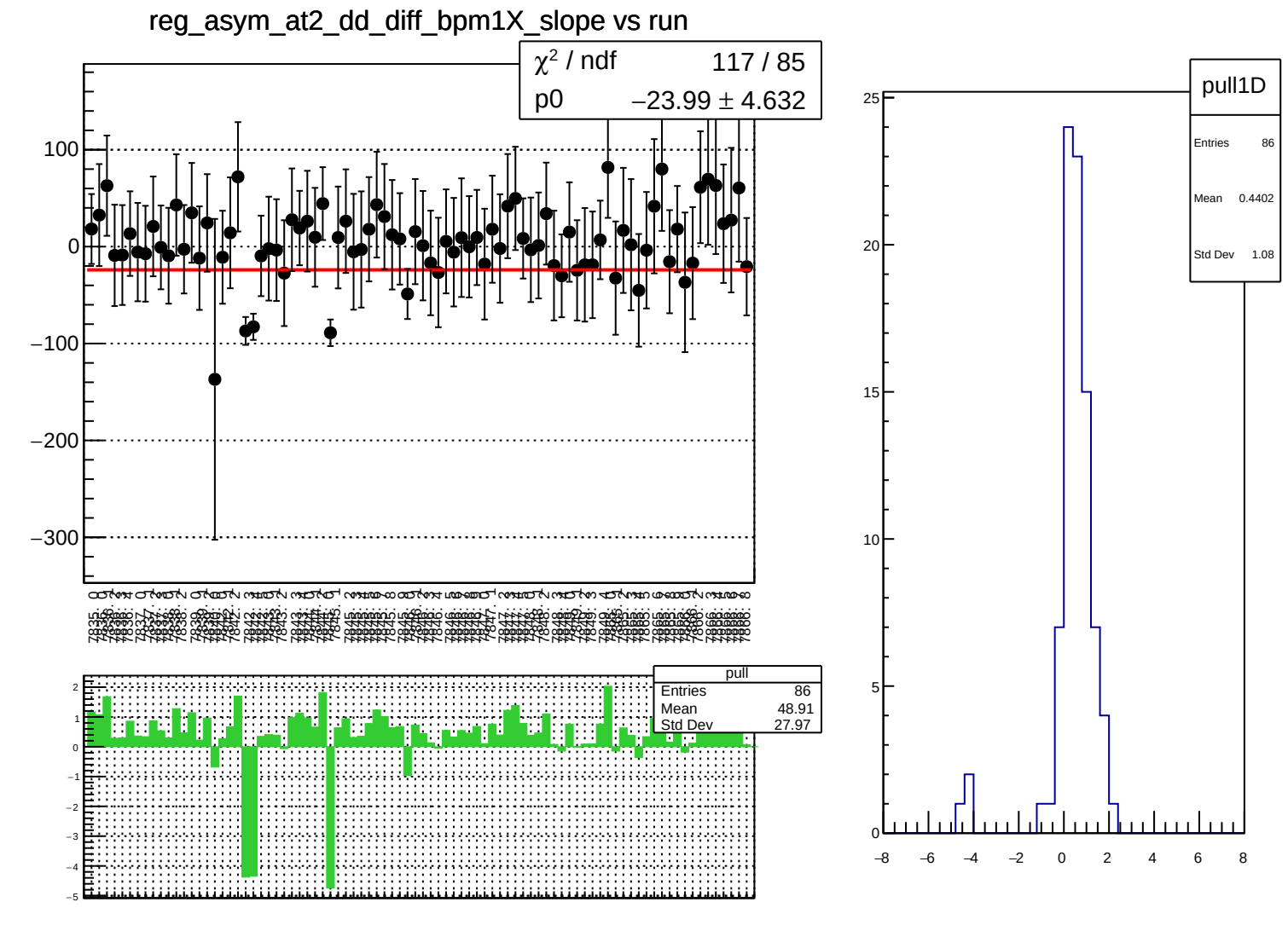

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 194.4 / 85
p0 436.5 ± 14.6
600
400
200
0
−200
pull
Entries 86
Mean 43.89
Std Dev 26.39
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.7653
Std Dev 1.294
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

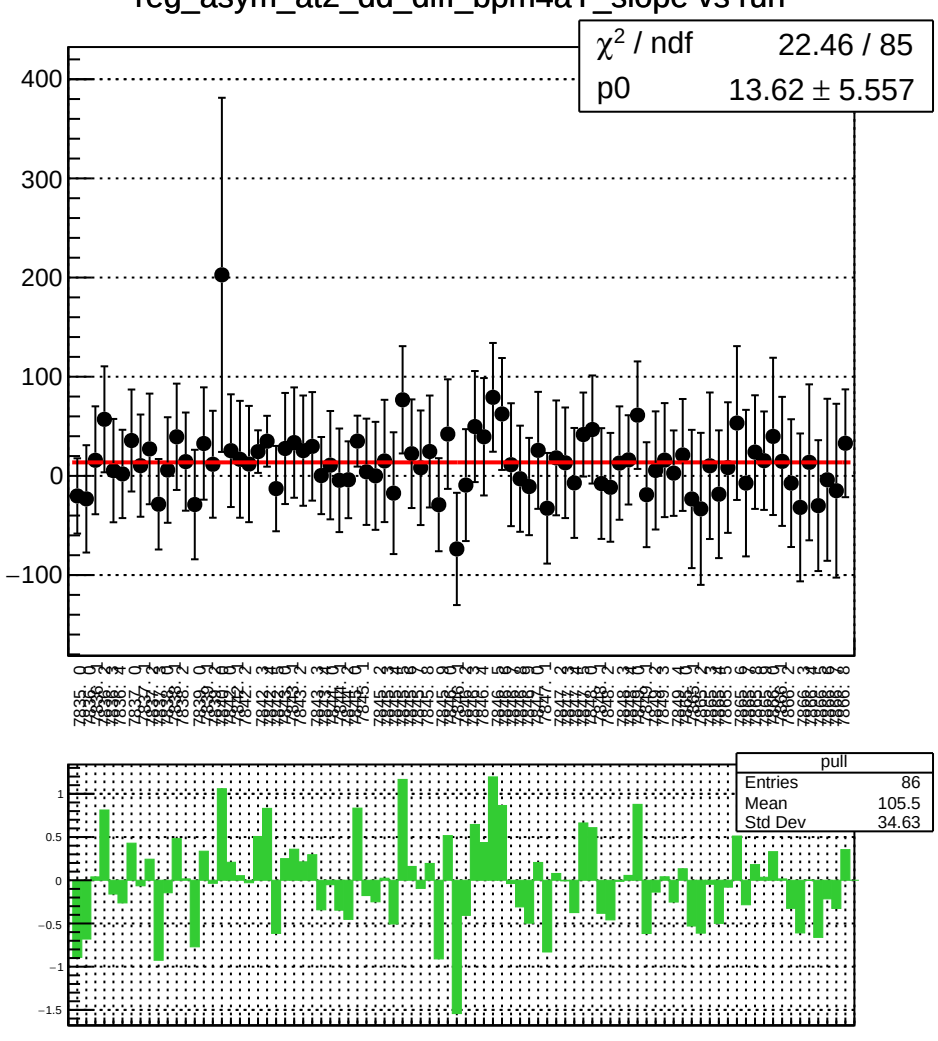

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 2.12 / 85
p0 24.96 ± 23.95
600
400
200
0
−200
−400
pull
Entries 86
Mean 179.4
Std Dev 139.5
0.6
0.4
0.2
0
−0.2

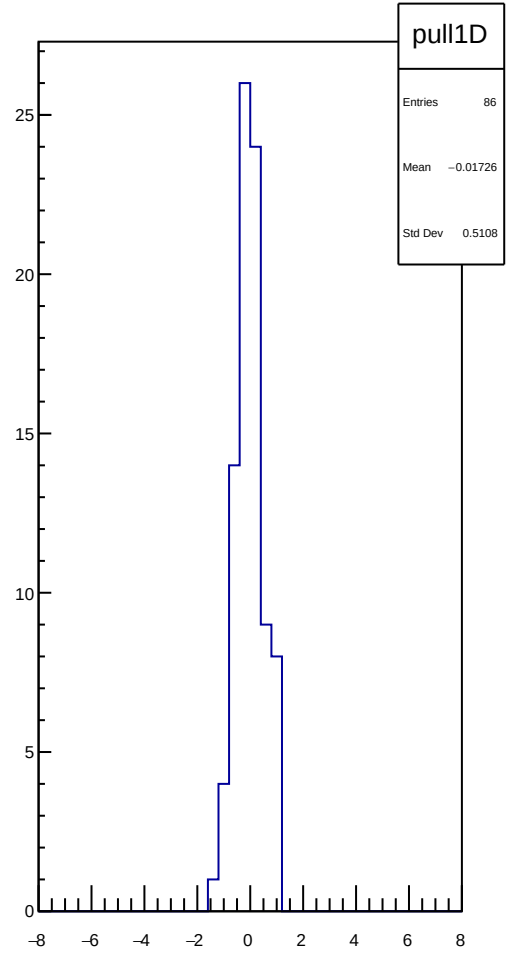

pull1D
Entries 86
Mean −0.007664
Std Dev 0.1568
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

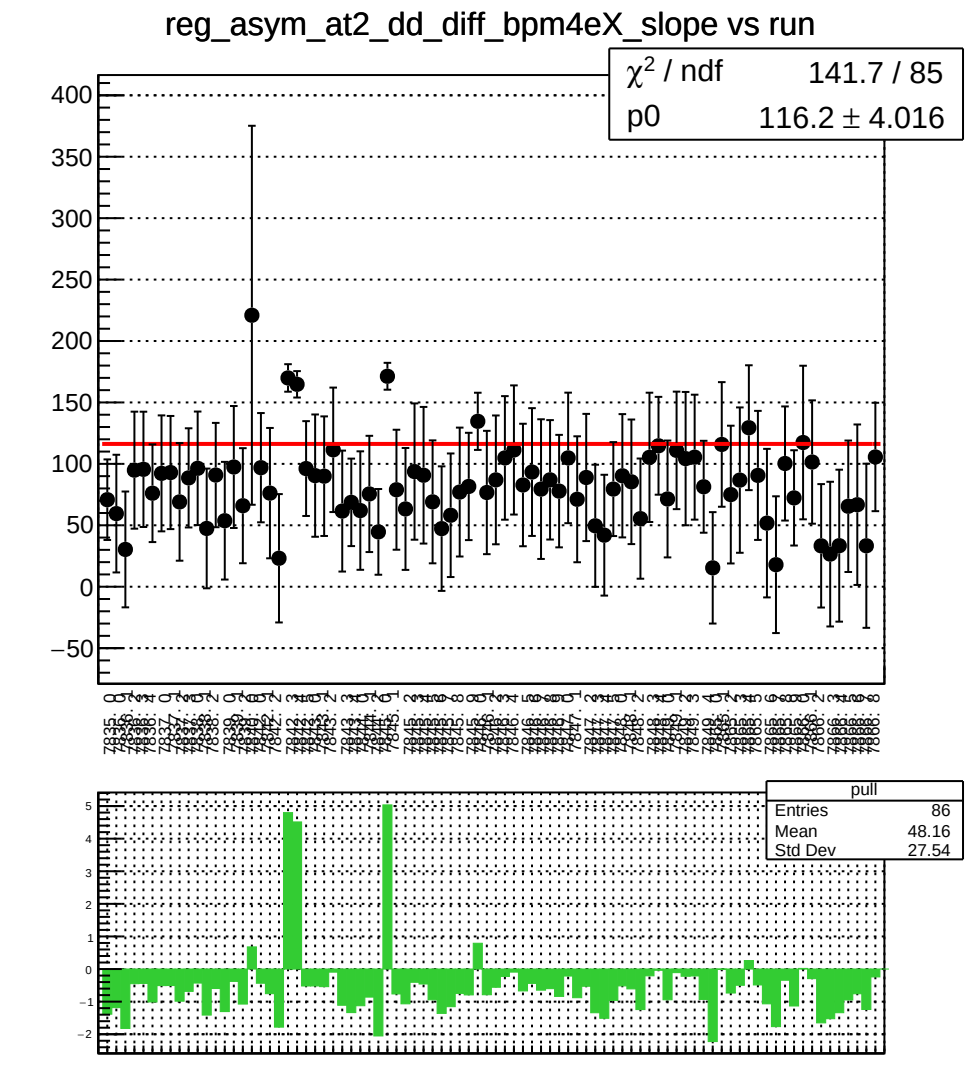

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 70.56 / 85
p0 −273.5 ± 0.7283
−250
−260
−270
−280
−290
−300
pull
Entries 86
Mean 33.43
Std Dev 25.36
4
3
2
1
0
−1
−2
−3

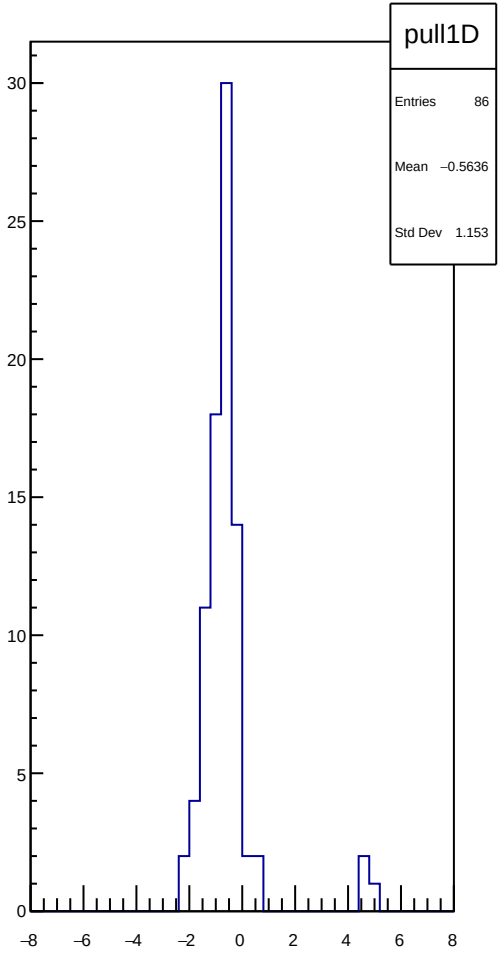

pull1D
Entries 86
Mean −0.03703
Std Dev 0.905
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

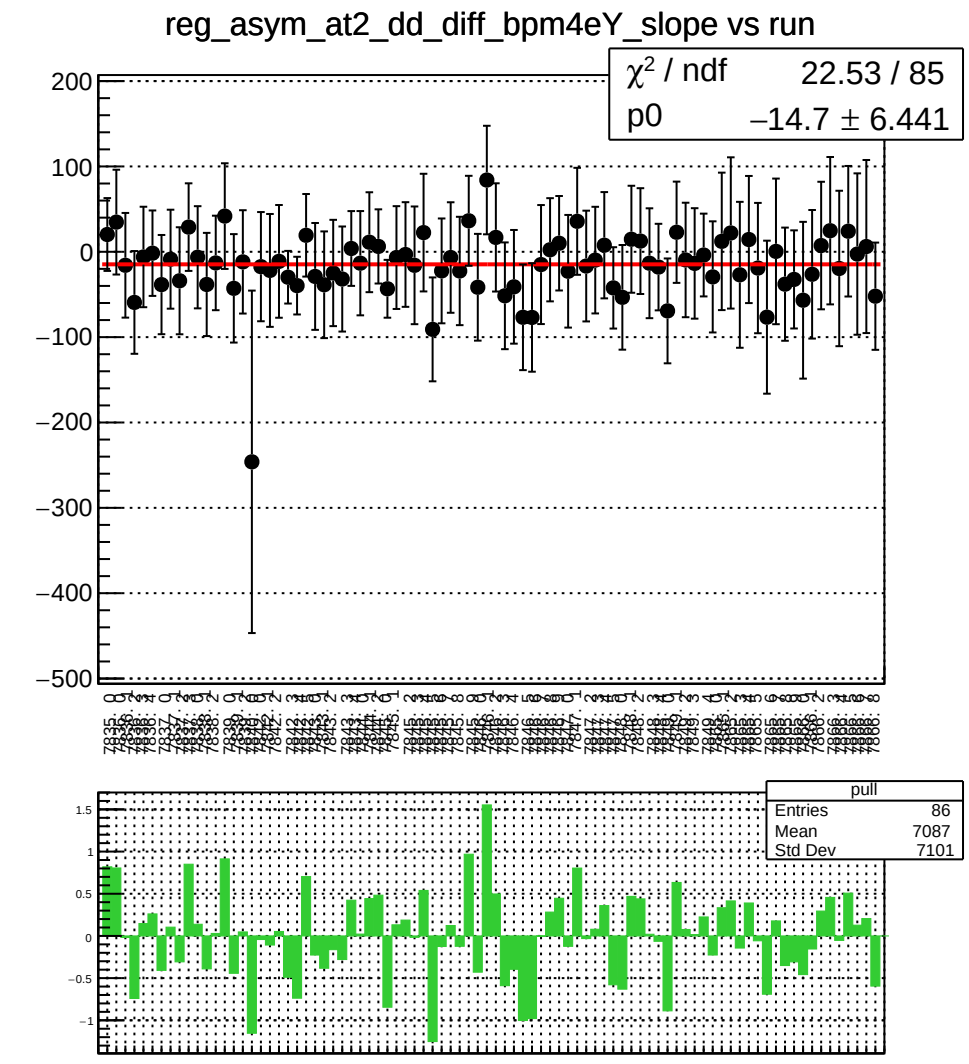

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 117 / 85
p0 −23.99 ± 4.632
pull
Entries 86
Mean 48.91
Std Dev 27.97
pull1D
Entries 86
Mean 0.4402
Std Dev 1.08

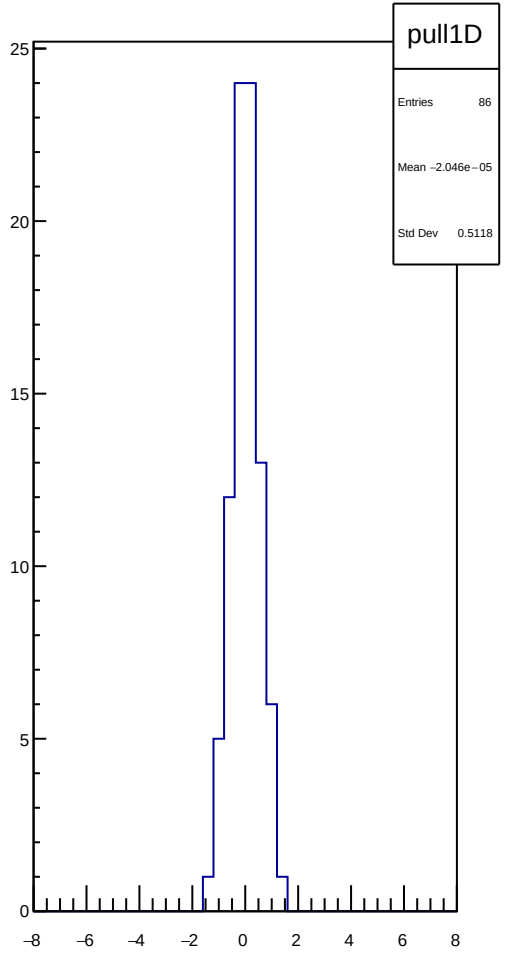

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.46 / 85
p0 13.62 ± 5.557
pull
Entries 86
Mean 105.5
Std Dev 34.63

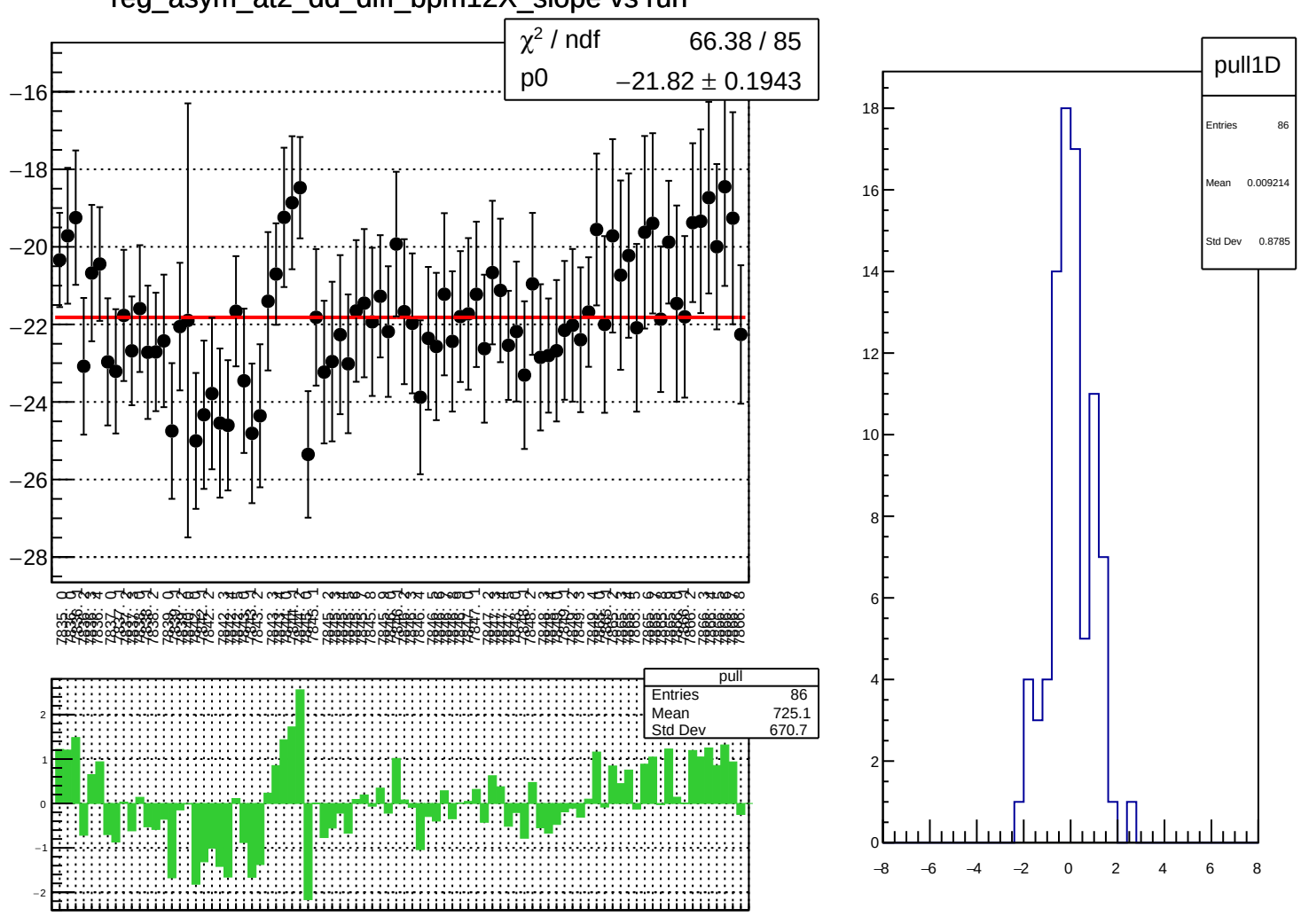

pull1D
Entries 86
Mean −0.01726
Std Dev 0.5108

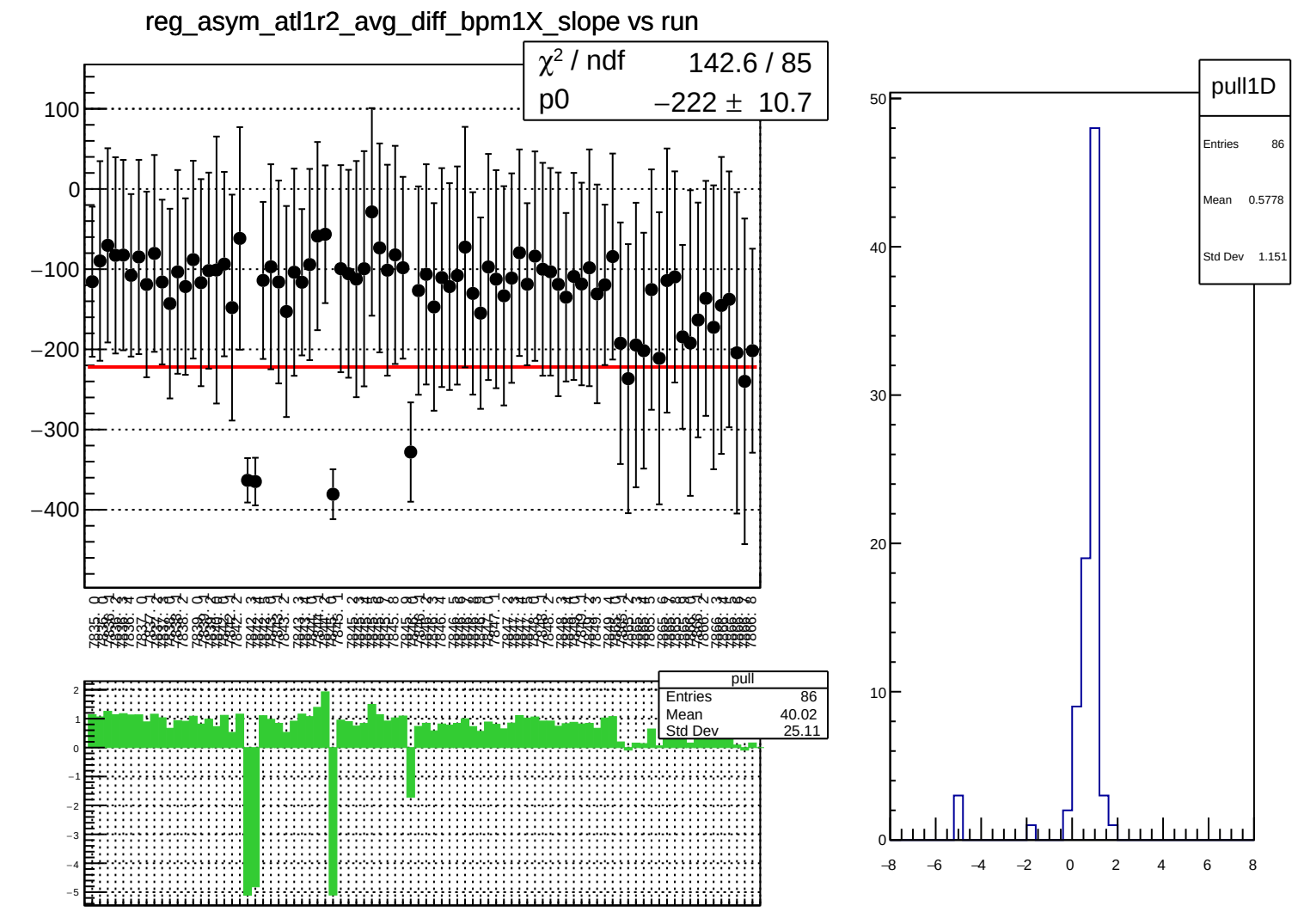

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 141.7 / 85
p0 116.2 ± 4.016
pull
Entries 86
Mean 48.16
Std Dev 27.54

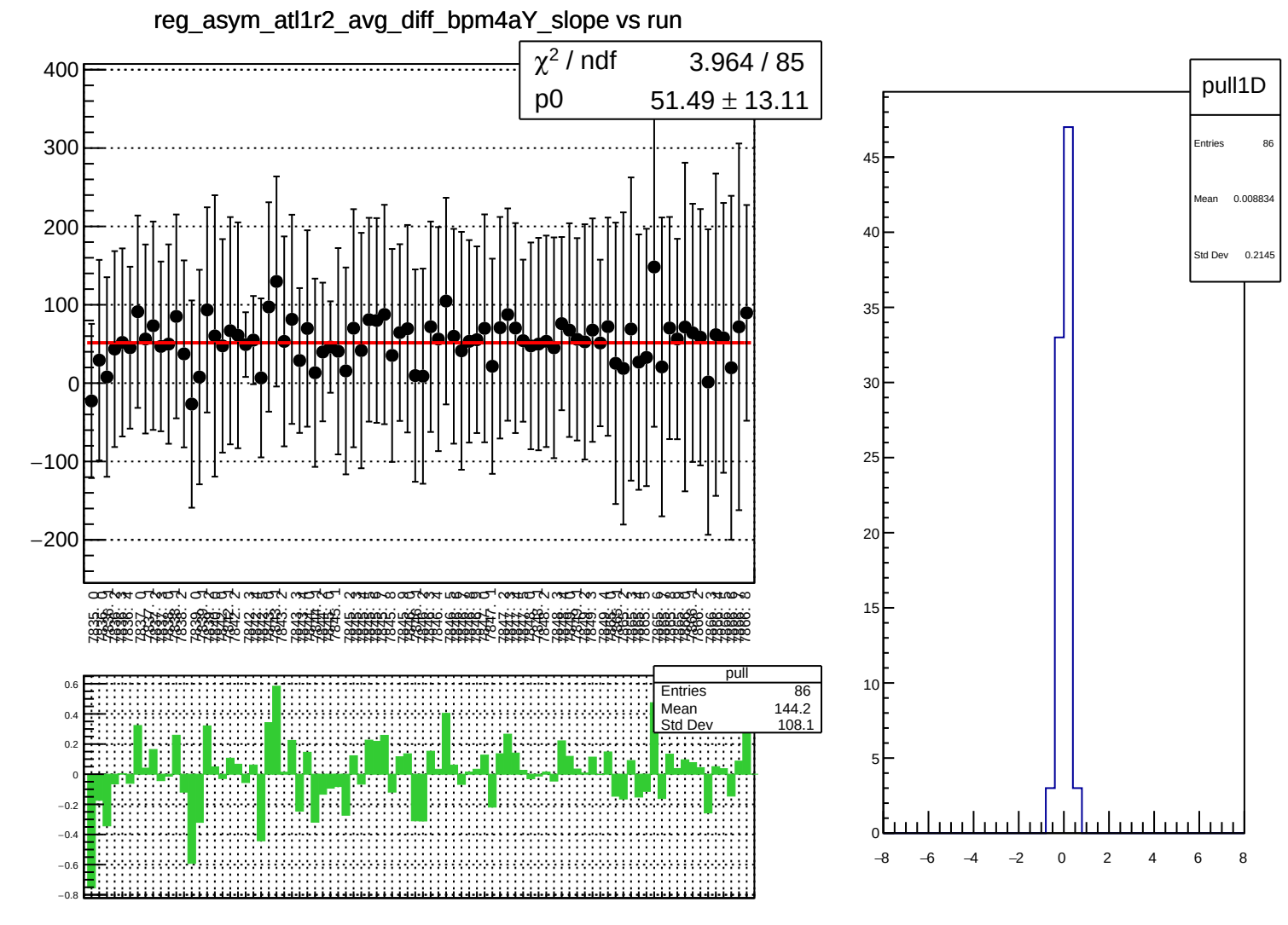

pull1D
Entries 86
Mean −0.5636
Std Dev 1.153

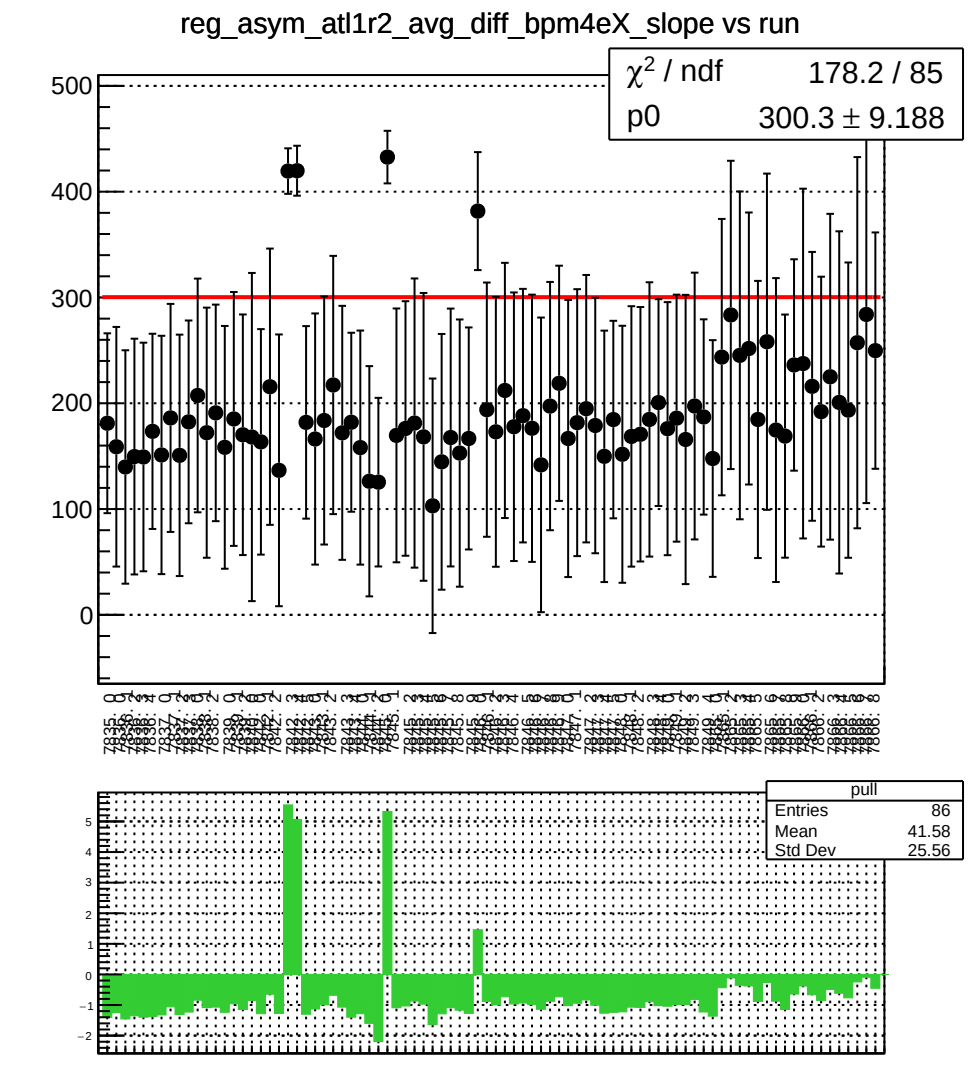

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.53 / 85
p0 −14.7 ± 6.441
pull
Entries 86
Mean 7087
Std Dev 7101

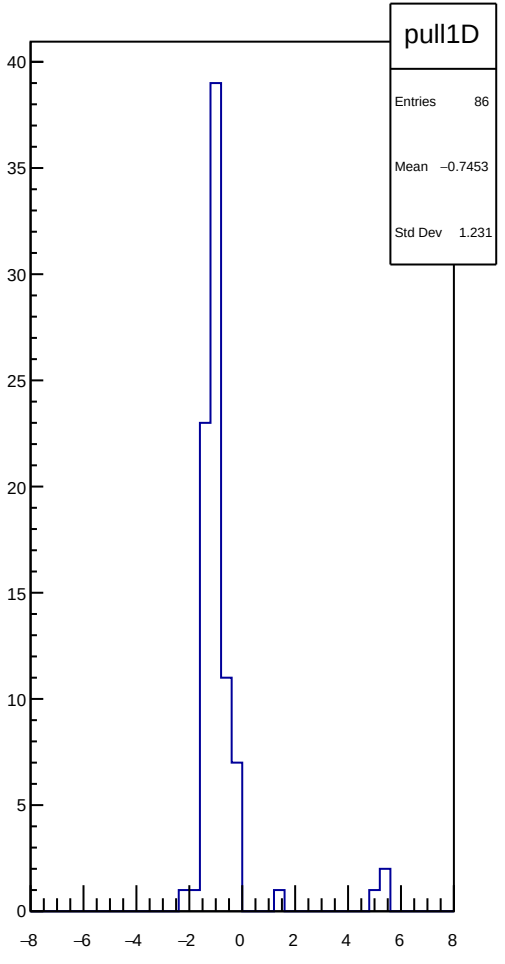

pull1D
Entries 86
Mean −2.046e−05
Std Dev 0.5118

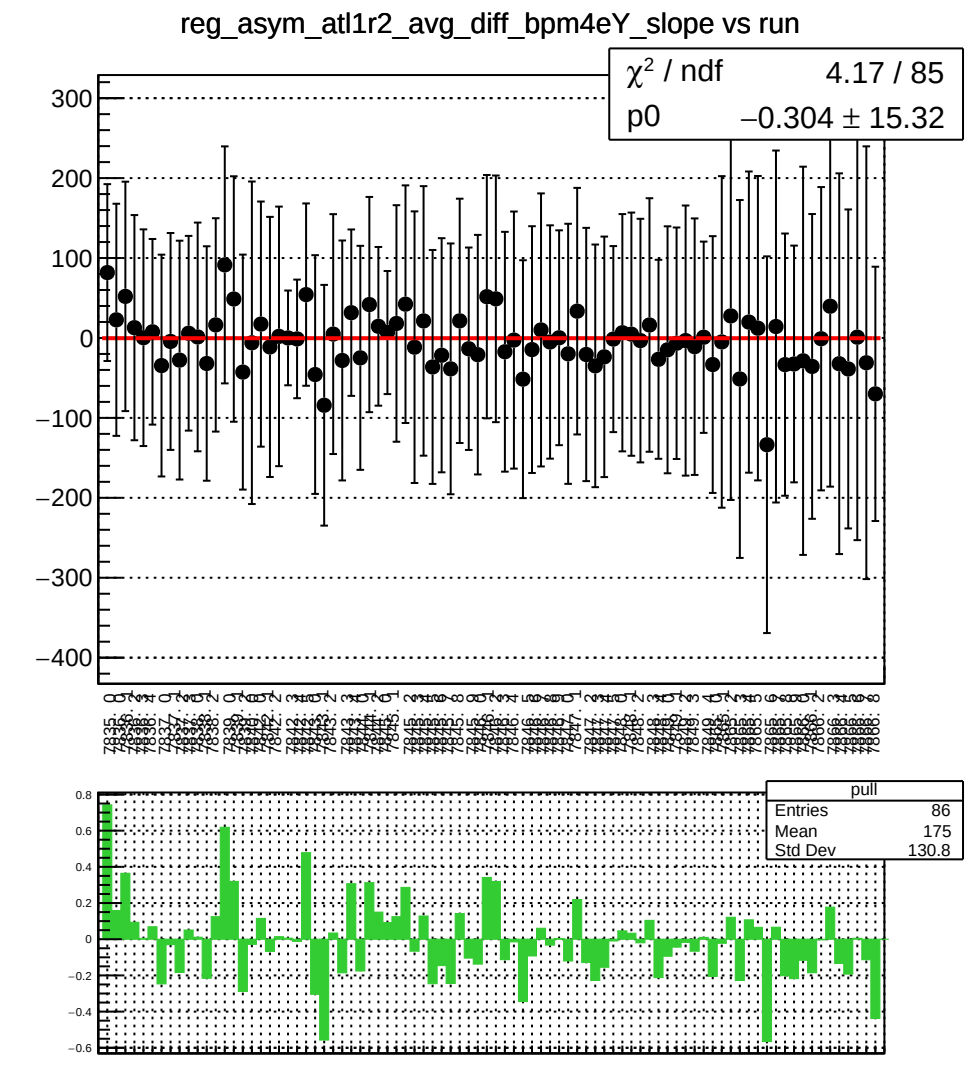

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 66.38 / 85
p0 −21.82 ± 0.1943
pull
Entries 86
Mean 725.1
Std Dev 670.7
pull1D
Entries 86
Mean 0.009214
Std Dev 0.8785

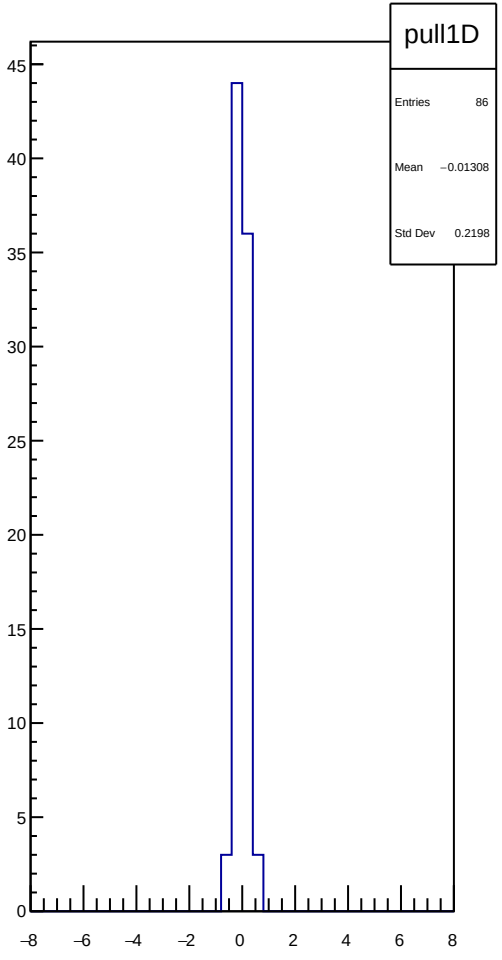

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 142.6 / 85
p0 −222 ± 10.7
100
0
−100
−200
−300
−400
pull
Entries 86
Mean 40.02
Std Dev 25.11
pull1D
Entries 86
Mean 0.5778
Std Dev 1.151
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

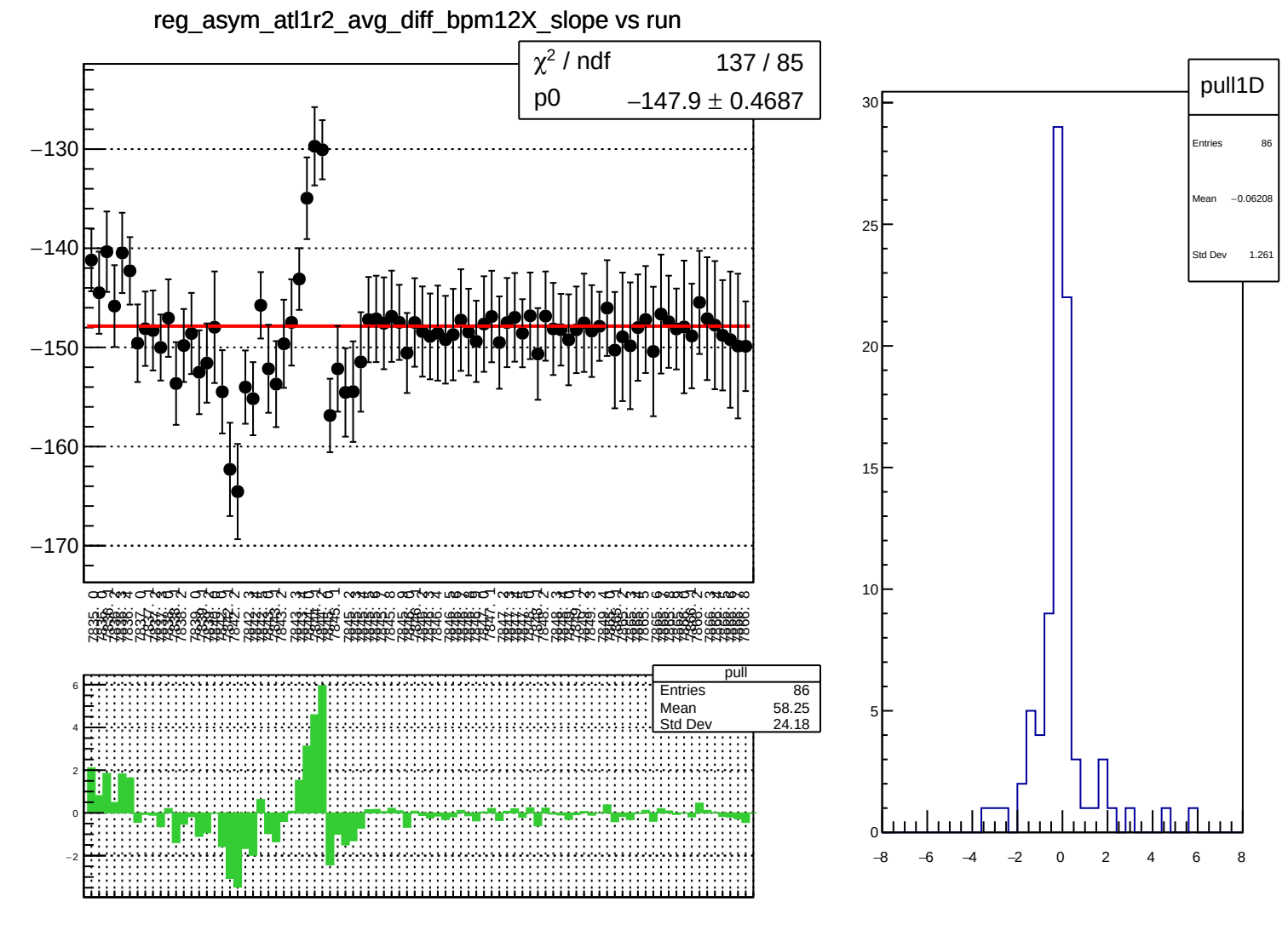

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.964 / 85
p0 51.49 ± 13.11
pull
Entries 86
Mean 144.2
Std Dev 108.1
pull1D
Entries 86
Mean 0.008834
Std Dev 0.2145

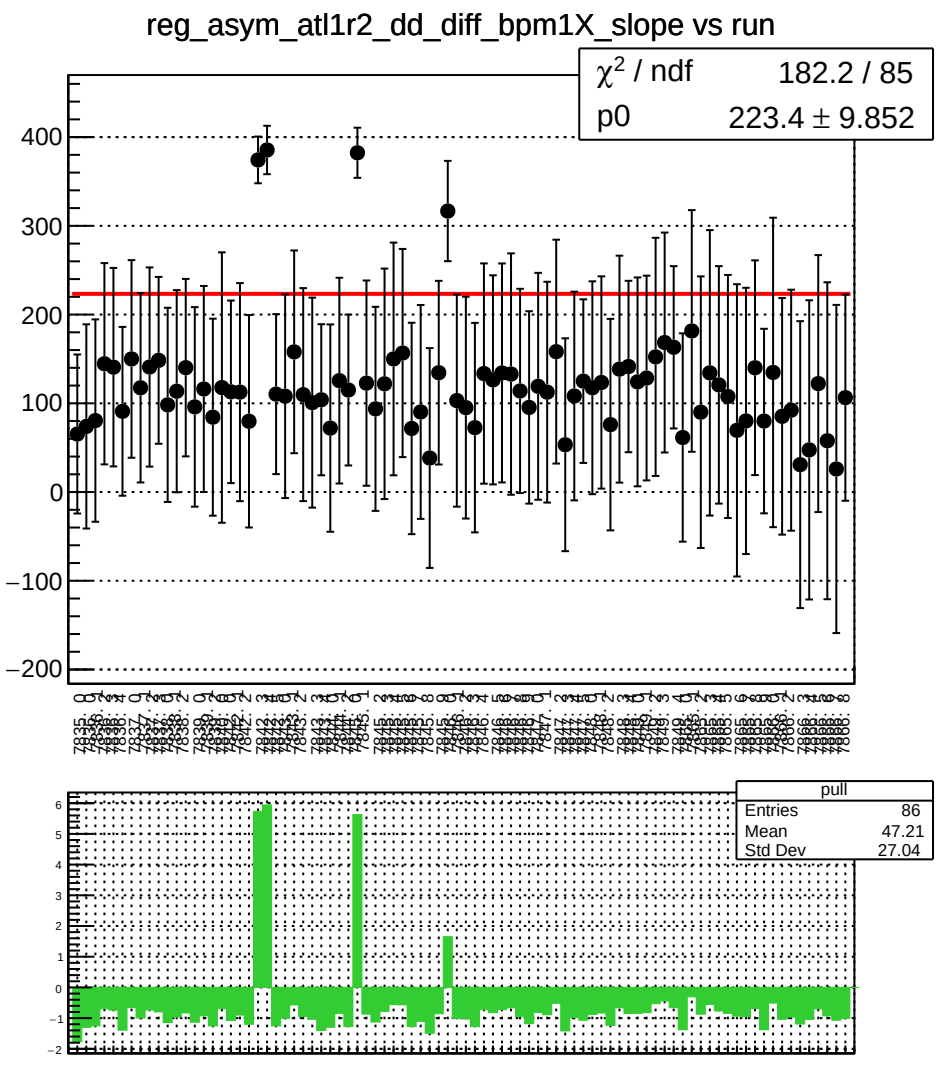

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 178.2 / 85
p0 300.3 ± 9.188
pull
Entries 86
Mean 41.58
Std Dev 25.56

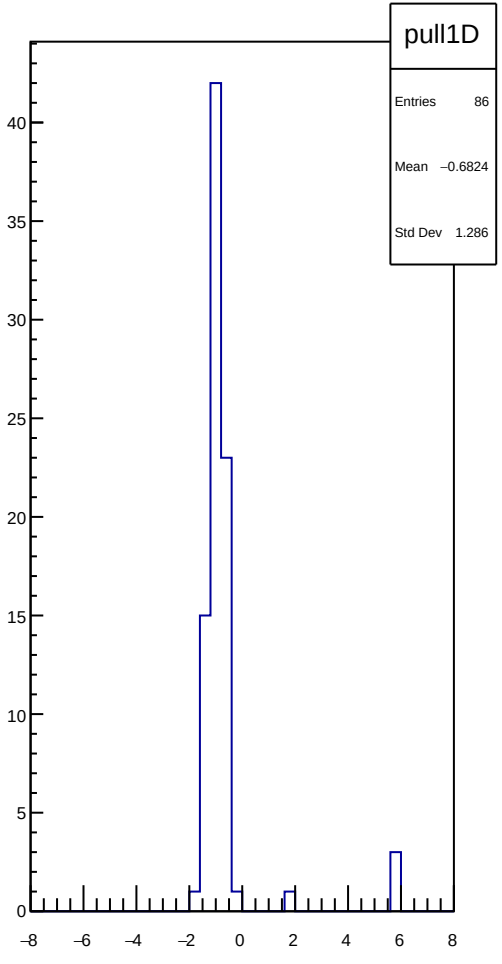

pull1D
Entries 86
Mean −0.7453
Std Dev 1.231

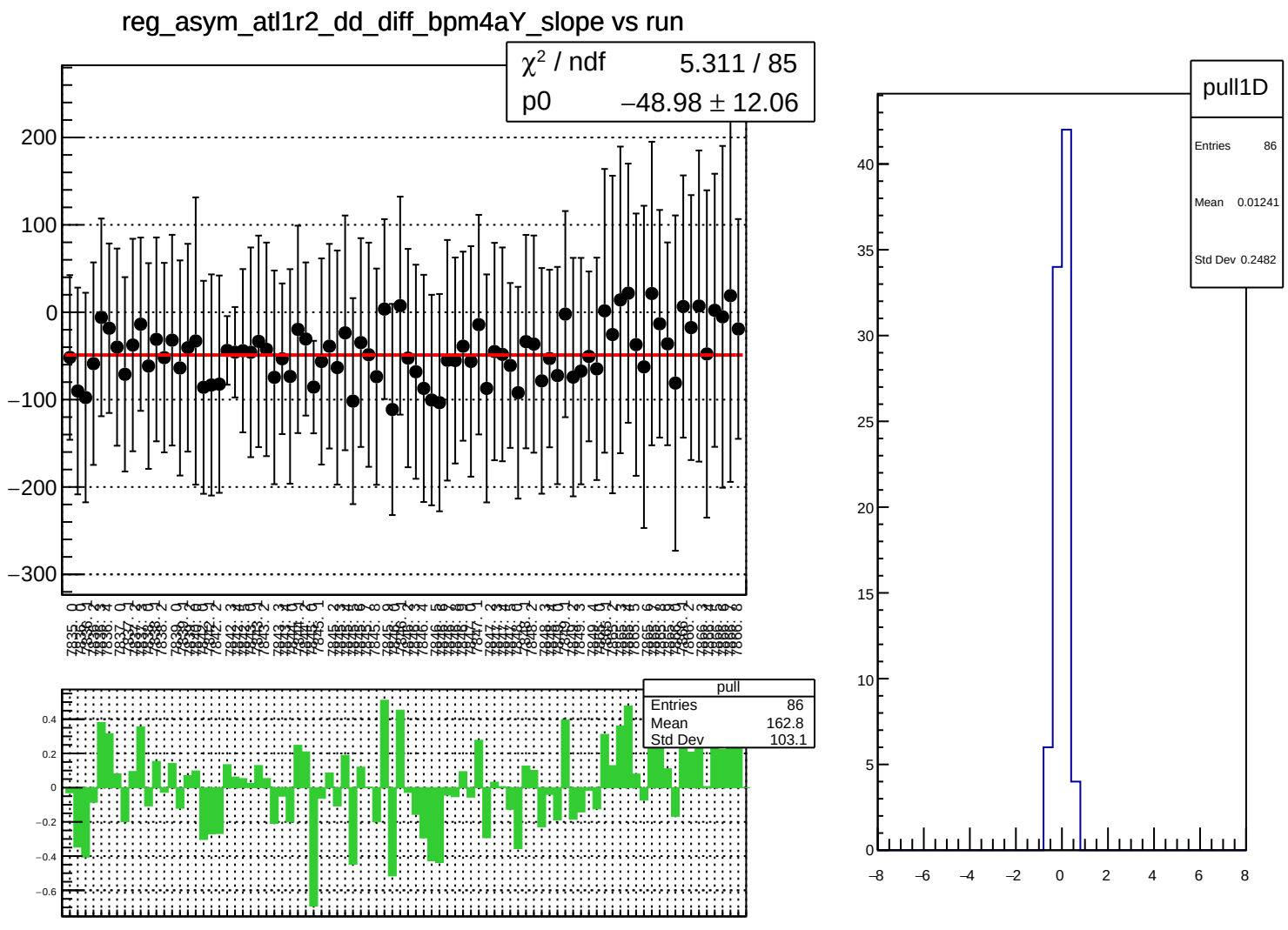

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.17 / 85
p0 −0.304 ± 15.32
300
200
100
0
−100
−200
−300
−400
pull
Entries 86
Mean 175
Std Dev 130.8
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

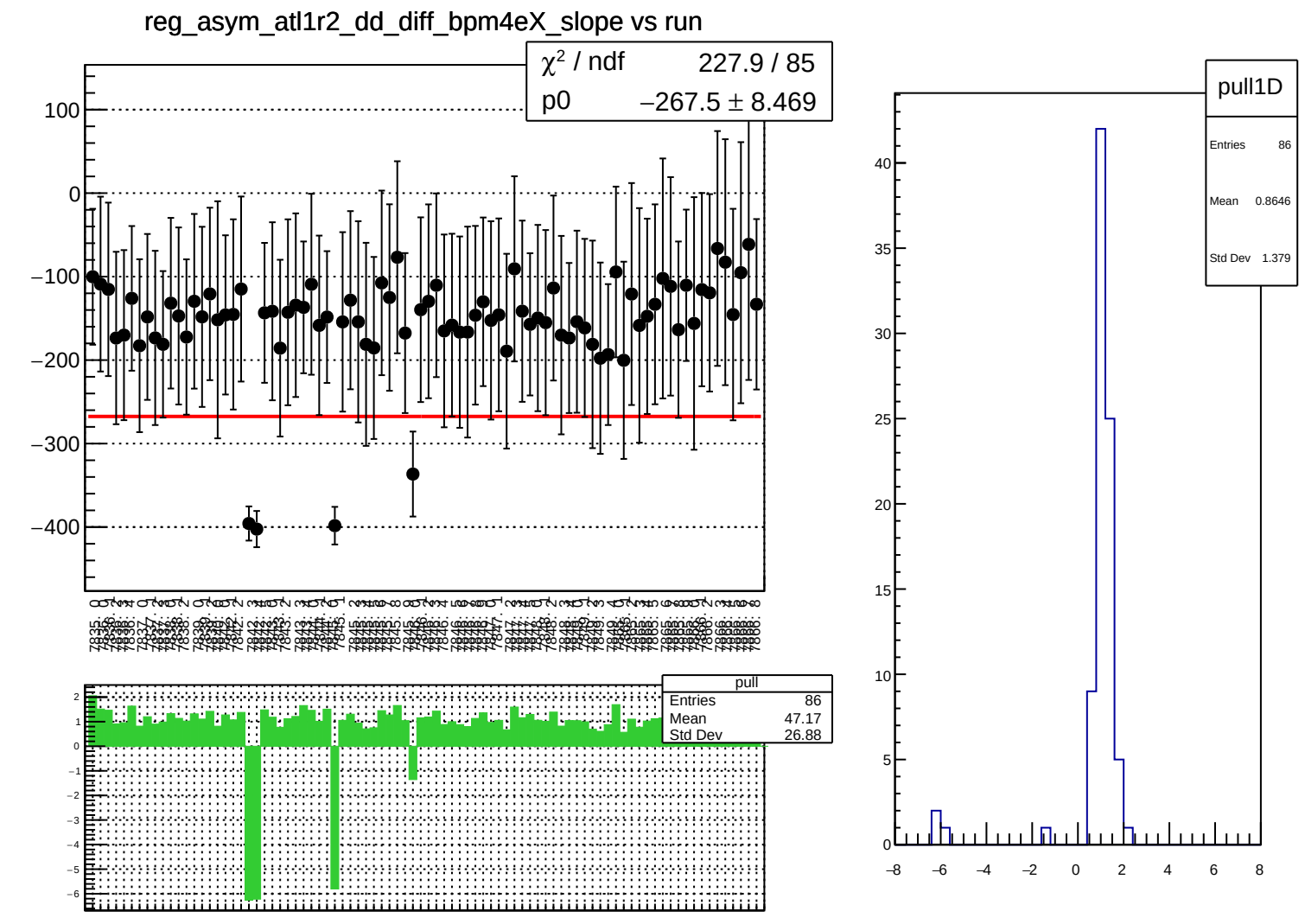

pull1D
Entries 86
Mean −0.01308
Std Dev 0.2198
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

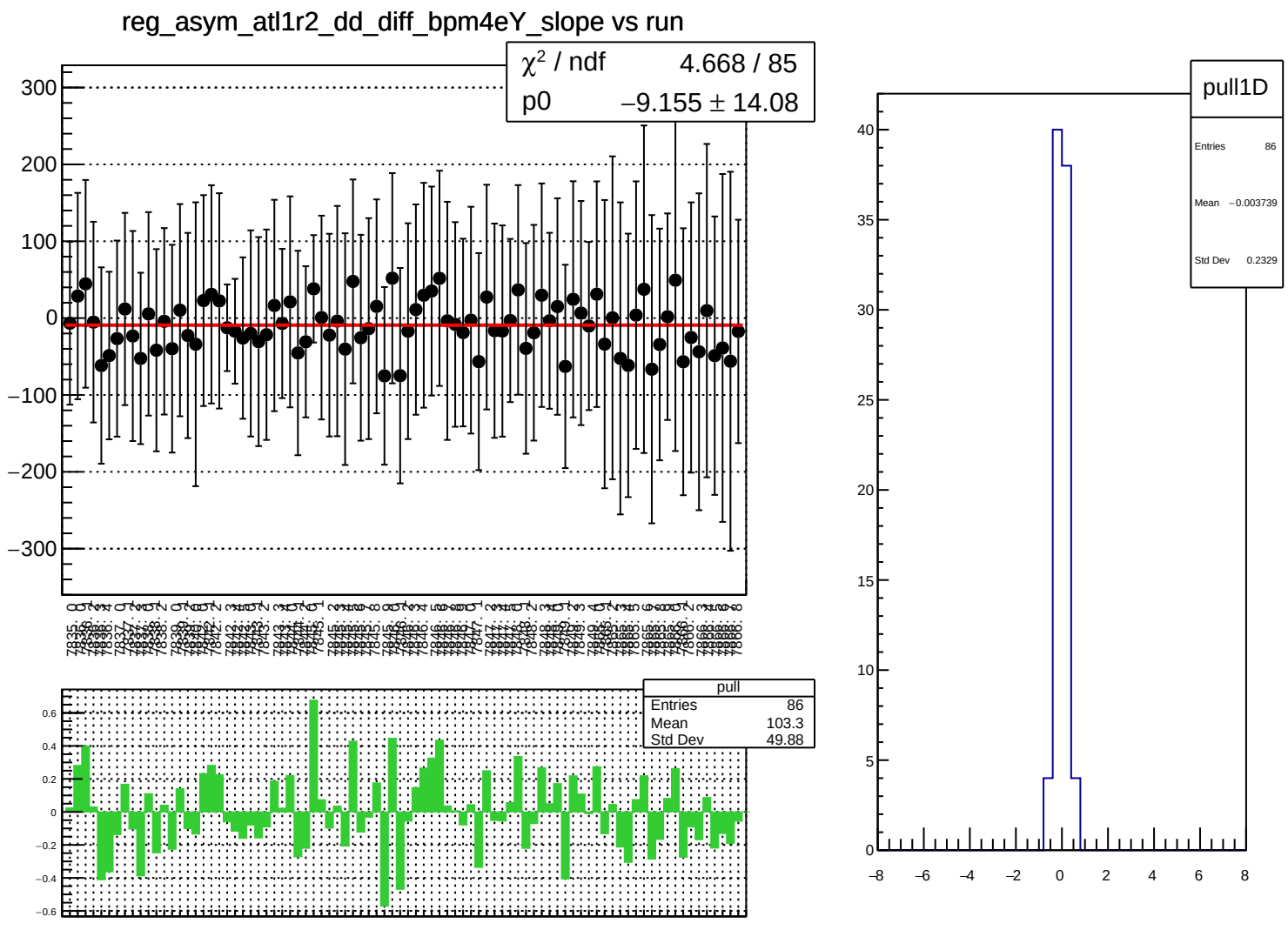

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 137 / 85
p0 −147.9 ± 0.4687
−130
−140
−150
−160
−170
pull
Entries 86
Mean 58.25
Std Dev 24.18
6
4
2
0
−2
pull1D
Entries 86
Mean −0.06208
Std Dev 1.261
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

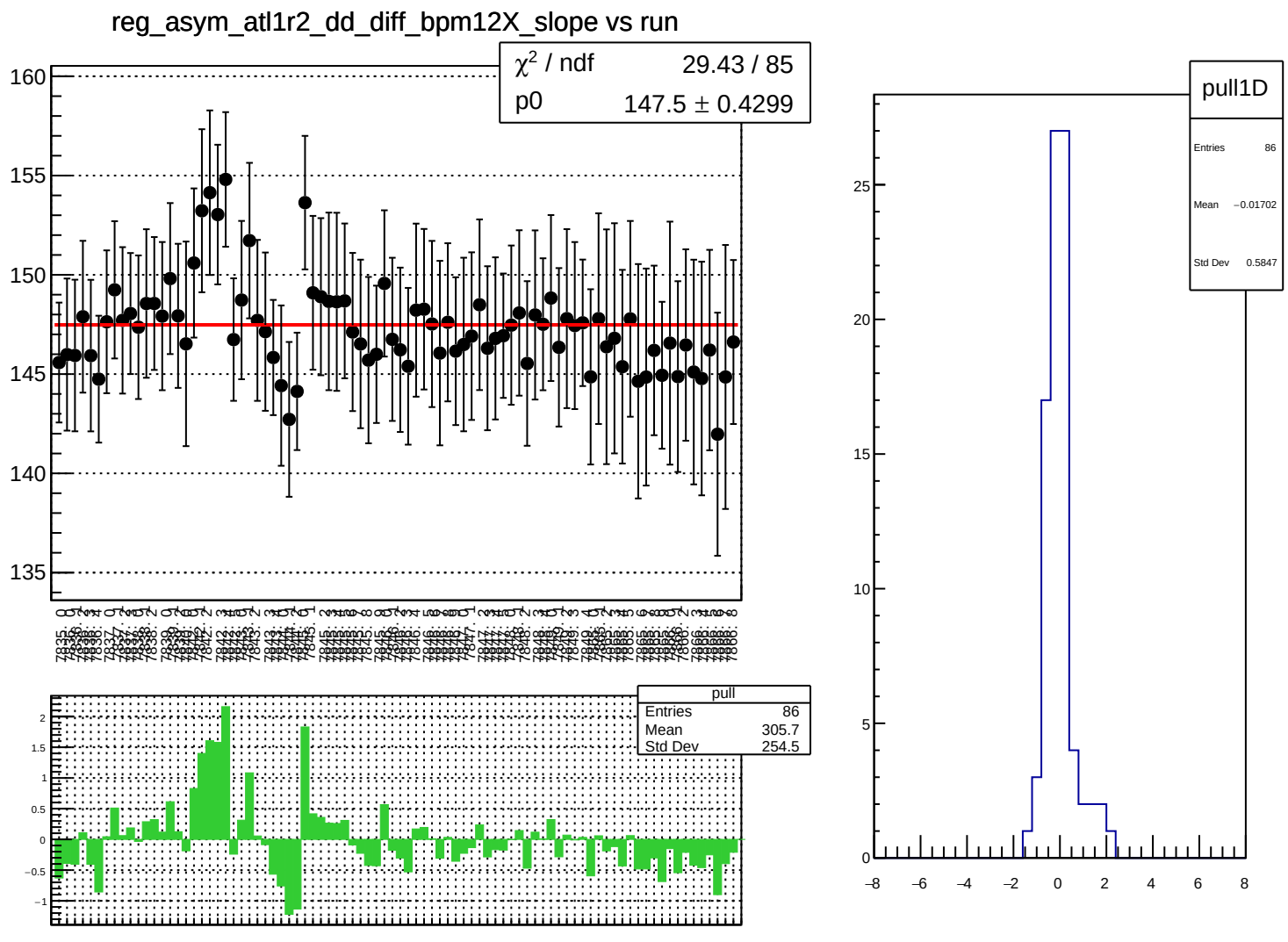

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 182.2 / 85
p0 223.4 ± 9.852
pull
Entries 86
Mean 47.21
Std Dev 27.04

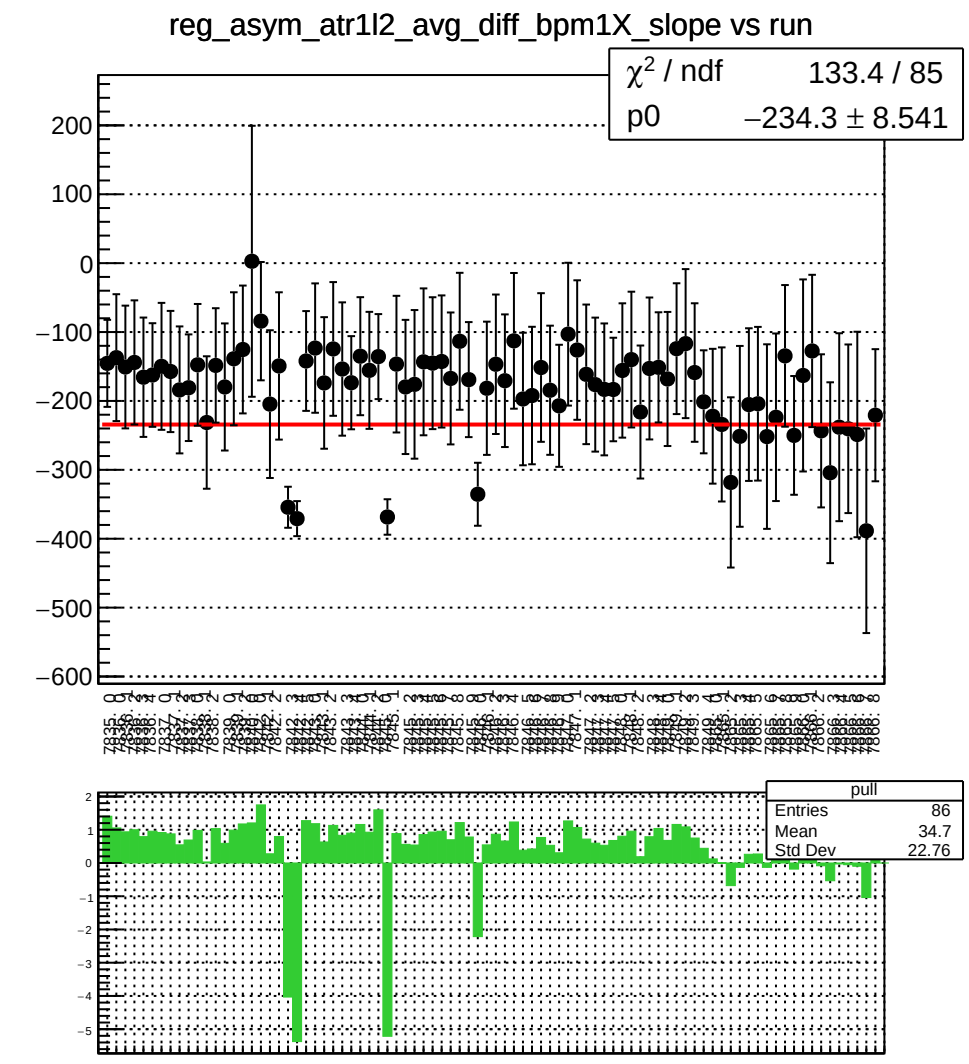

pull1D
Entries 86
Mean −0.6824
Std Dev 1.286

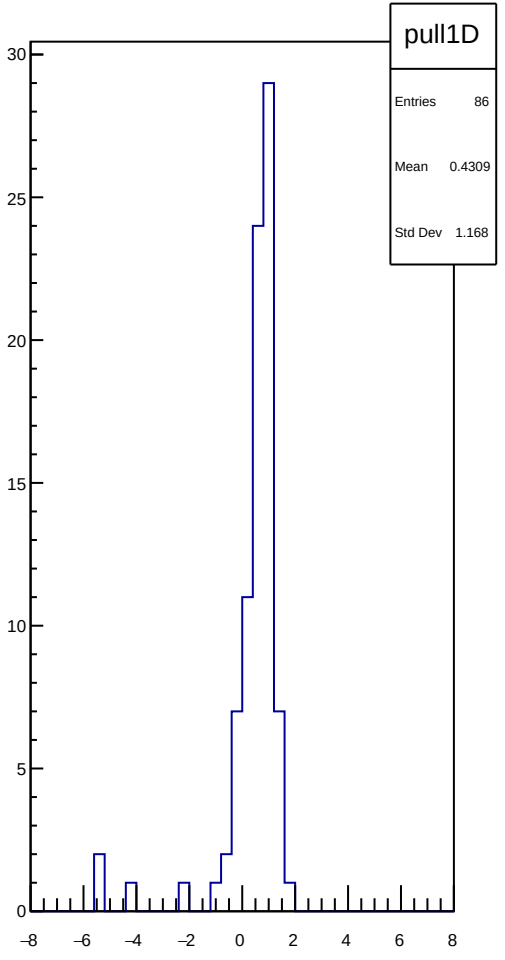

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.311 / 85
p0 −48.98 ± 12.06
200
100
0
−100
−200
−300
pull
Entries 86
Mean 162.8
Std Dev 103.1
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean 0.01241
Std Dev 0.2482
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

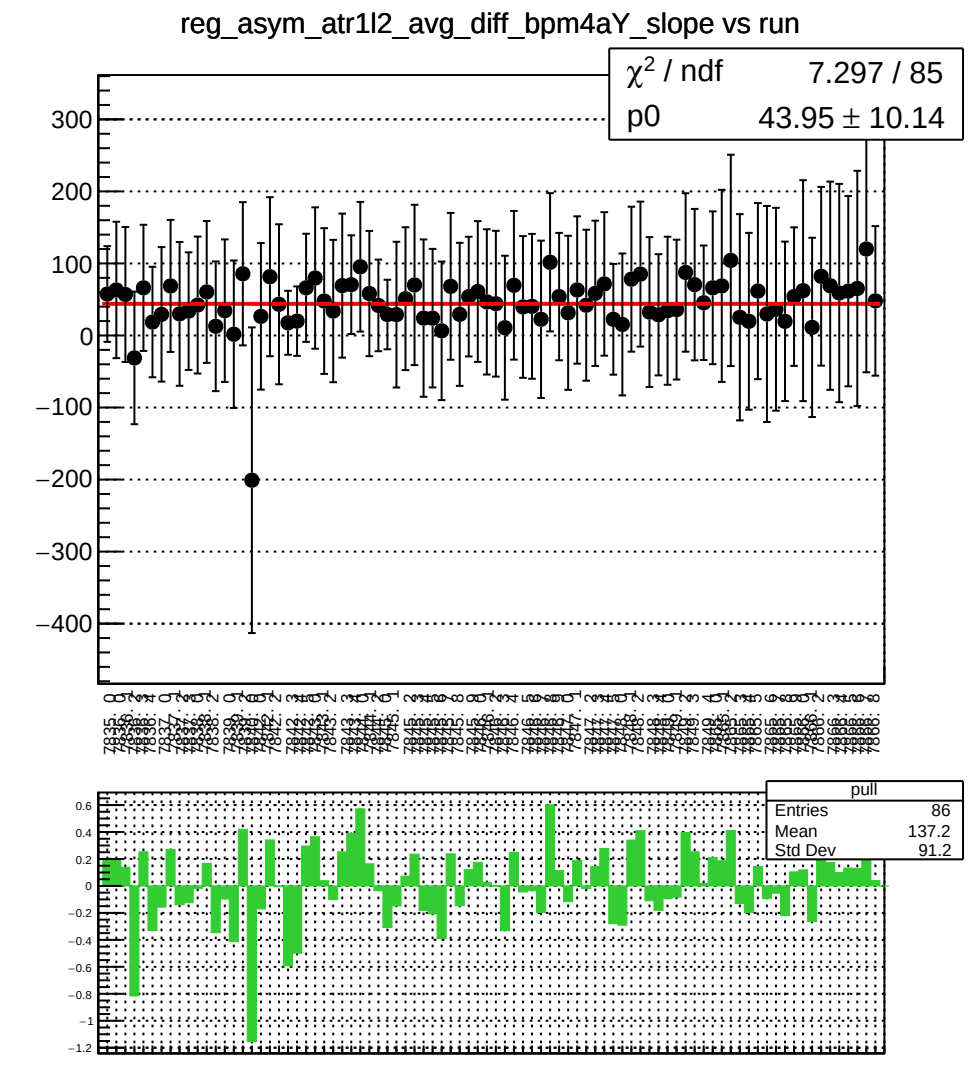

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 227.9 / 85
p0 −267.5 ± 8.469
100
0
−100
−200
−300
−400
pull
Entries 86
Mean 47.17
Std Dev 26.88
2
1
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 86
Mean 0.8646
Std Dev 1.379
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

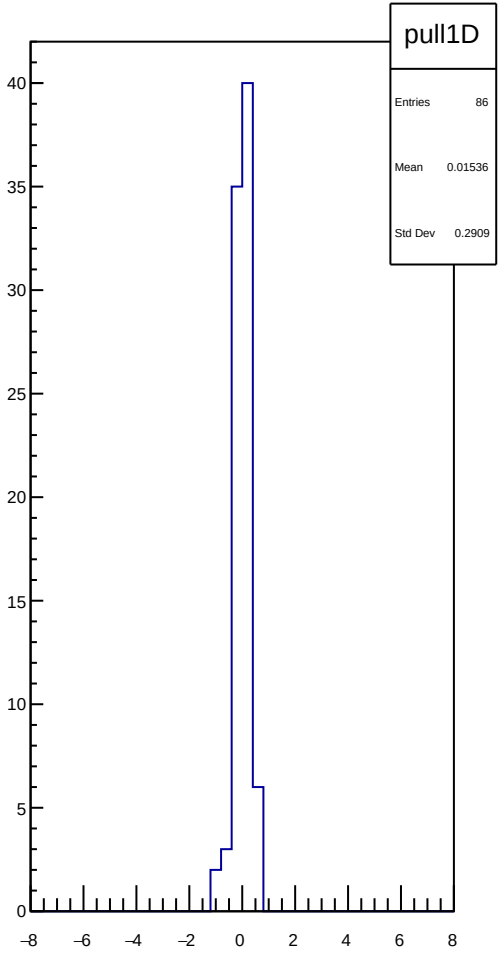

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.668 / 85
p0 −9.155 ± 14.08
300
200
100
0
−100
−200
−300
pull
Entries 86
Mean 103.3
Std Dev 49.88
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean −0.003739
Std Dev 0.2329
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

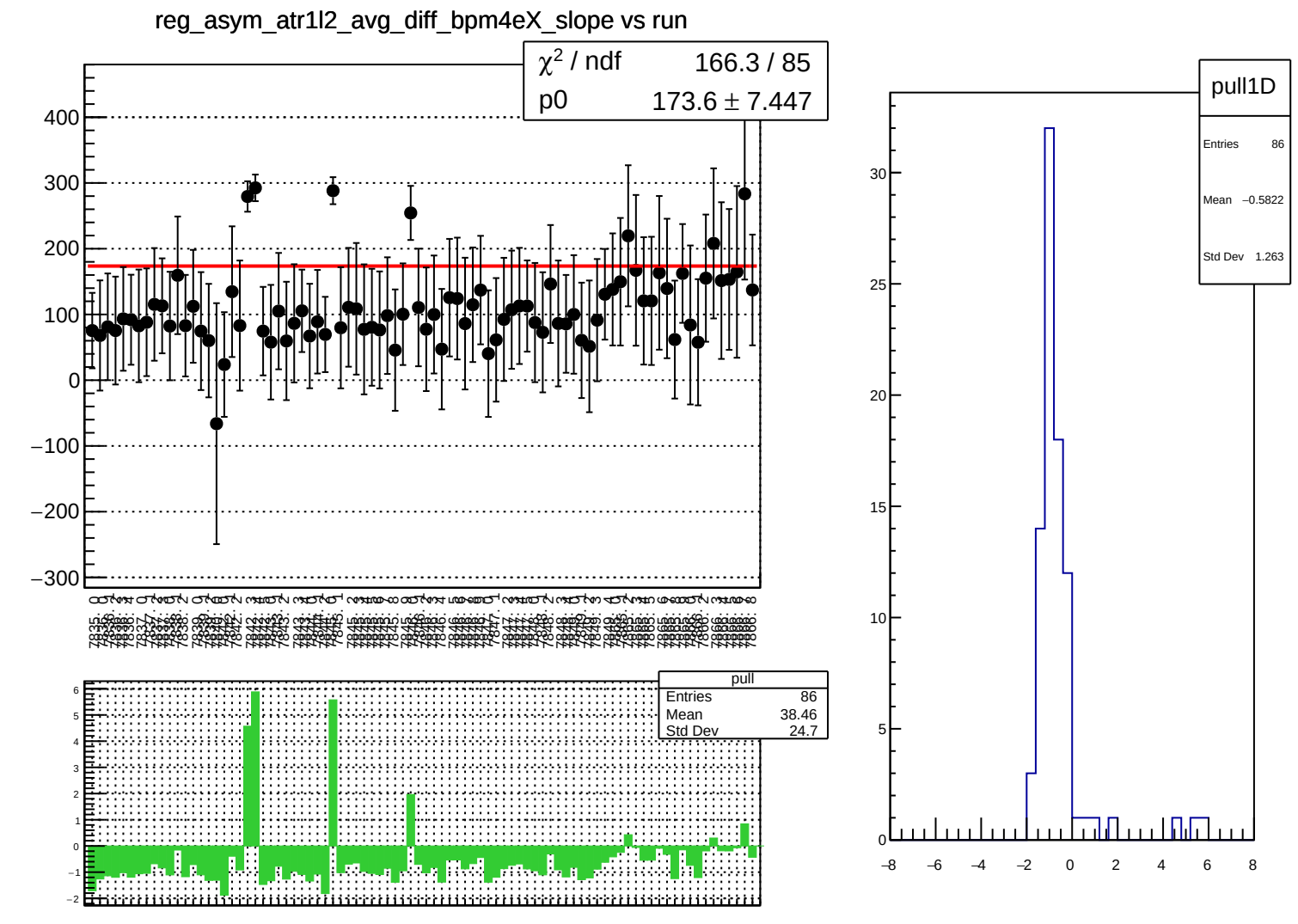

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 29.43 / 85
p0 147.5 ± 0.4299
160
155
150
145
140
135
pull
Entries 86
Mean 305.7
Std Dev 254.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.01702
Std Dev 0.5847
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

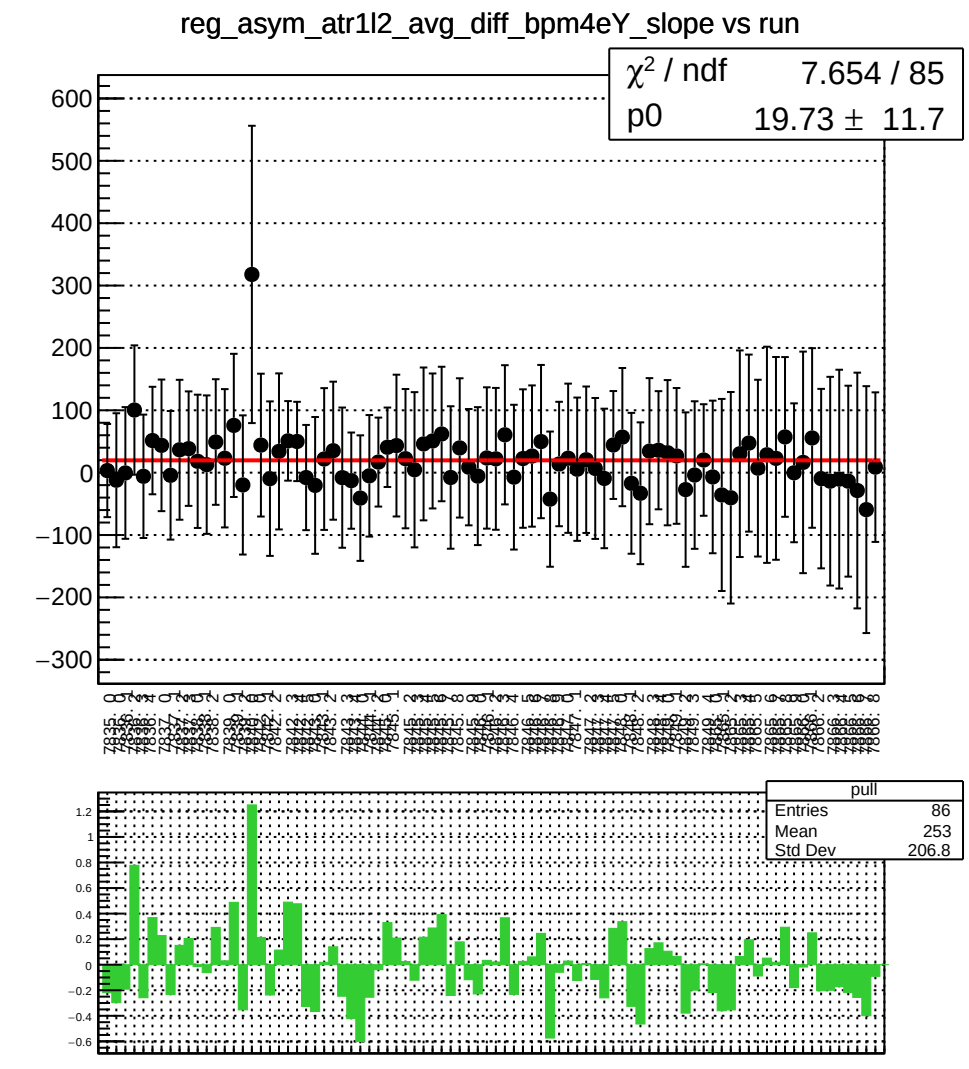

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 133.4 / 85
p0 −234.3 ± 8.541
pull
Entries 86
Mean 34.7
Std Dev 22.76

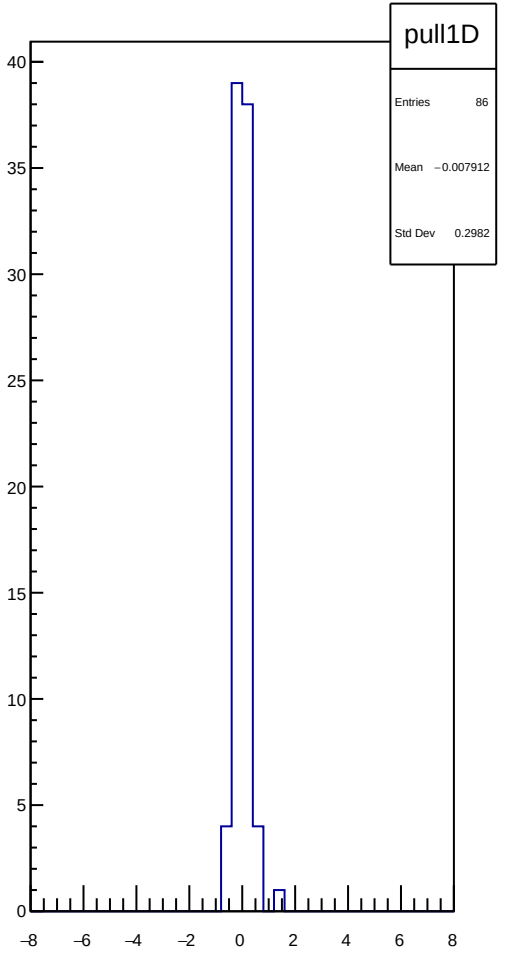

pull1D
Entries 86
Mean 0.4309
Std Dev 1.168

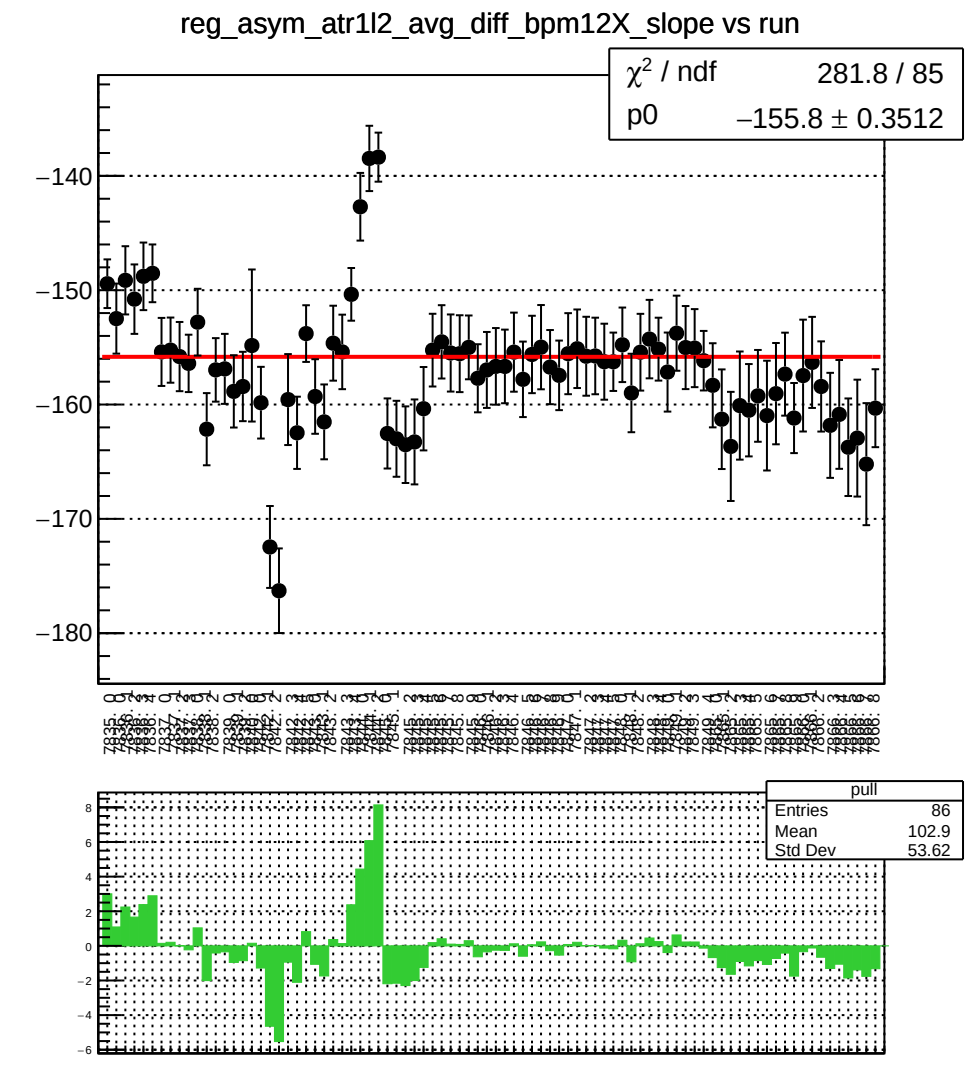

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.297 / 85
p0 43.95 ± 10.14
pull
Entries 86
Mean 137.2
Std Dev 91.2

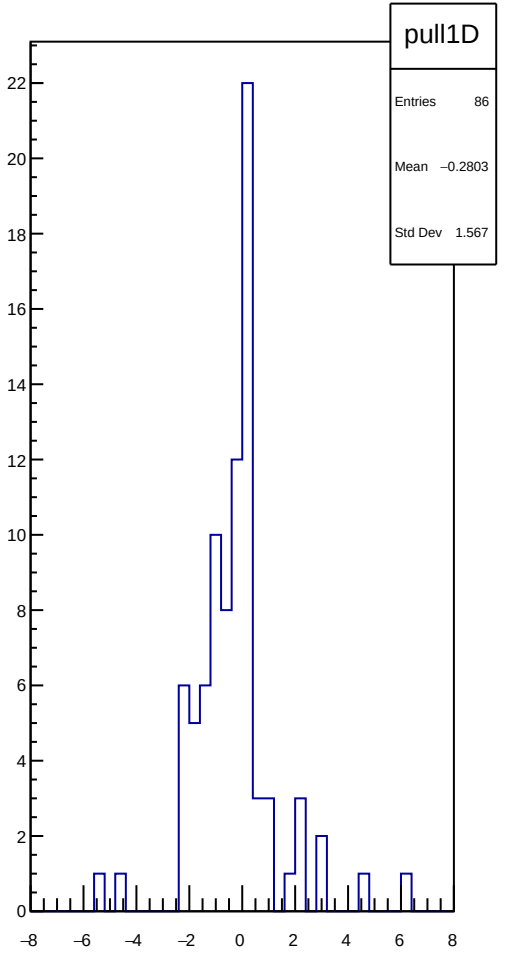

pull1D
Entries 86
Mean 0.01536
Std Dev 0.2909

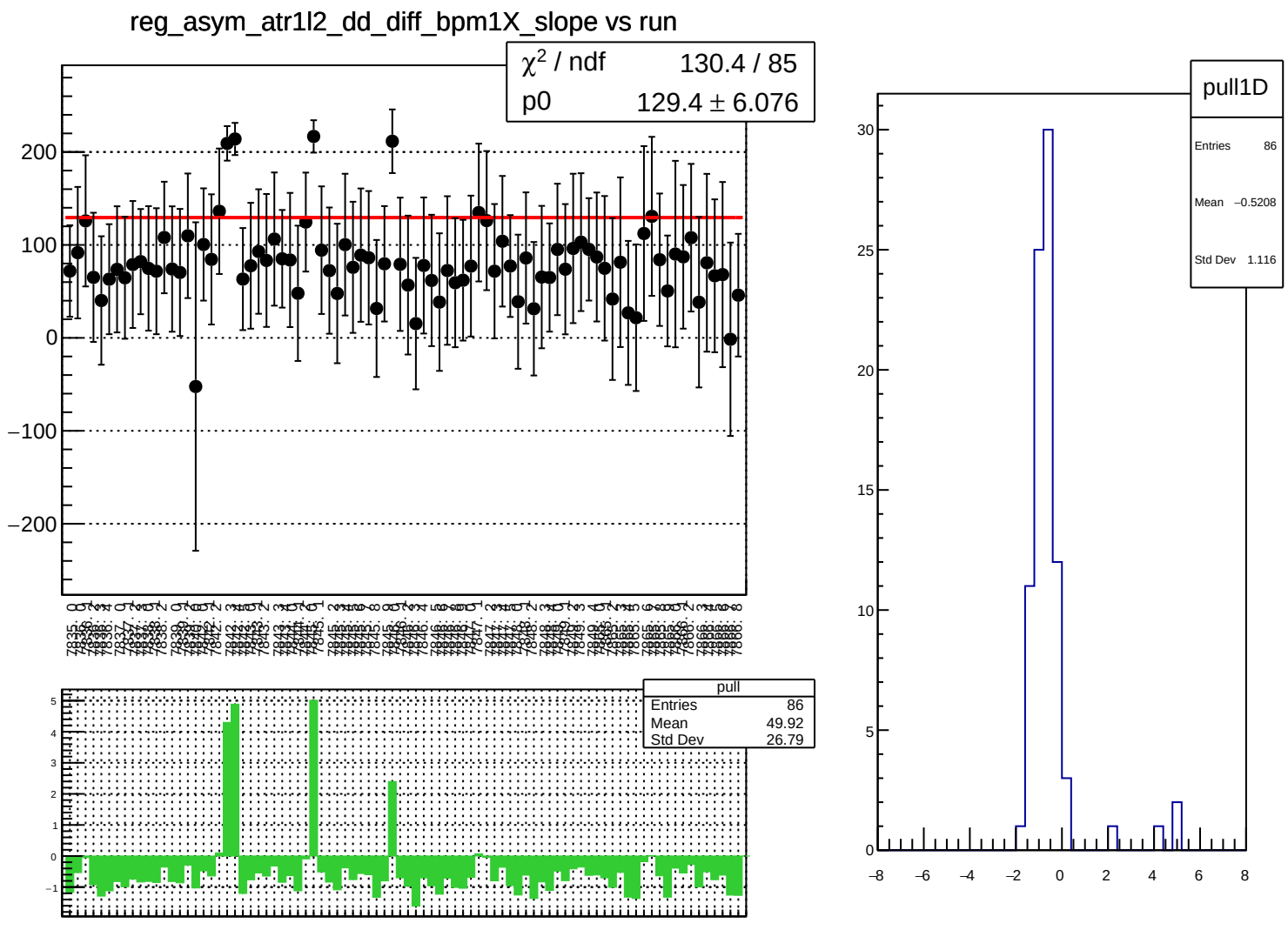

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 166.3 / 85
p0 173.6 ± 7.447
pull
Entries 86
Mean 38.46
Std Dev 24.7
pull1D
Entries 86
Mean −0.5822
Std Dev 1.263

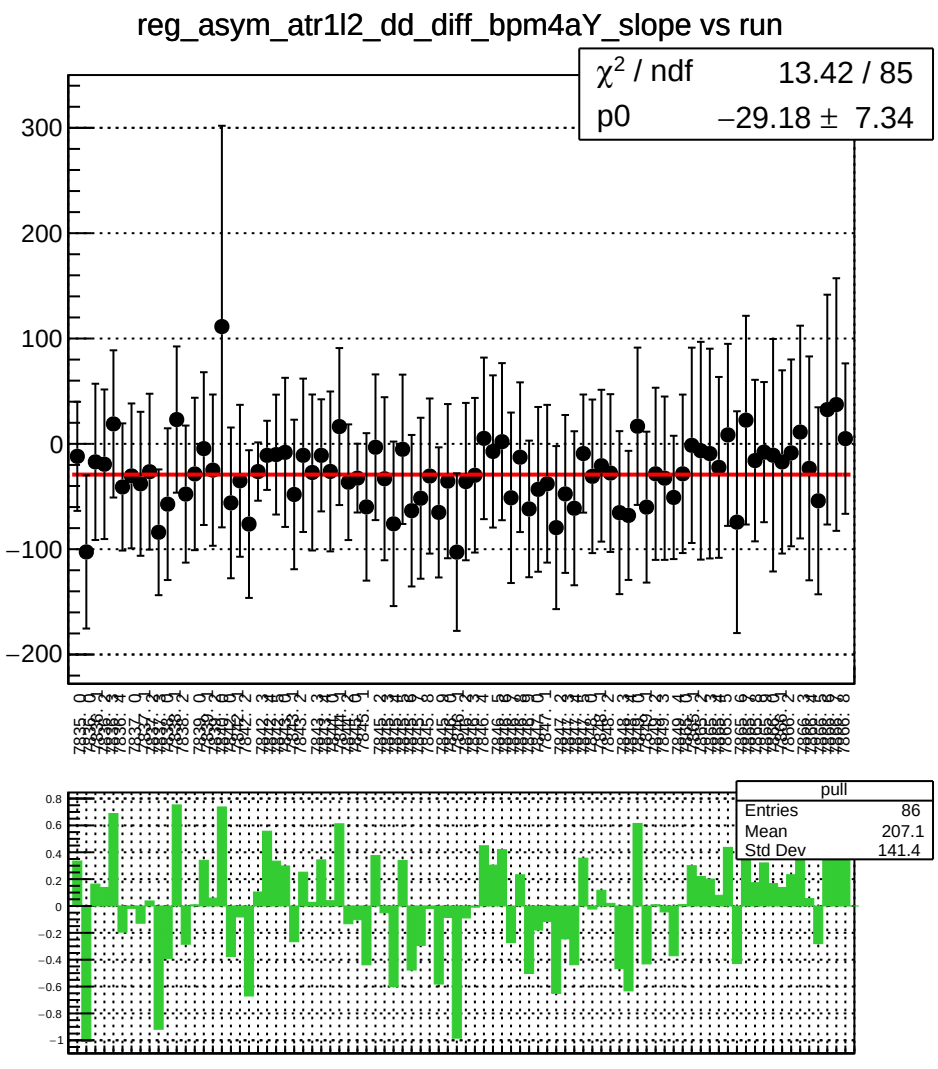

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.654 / 85
p0 19.73 ± 11.7
pull
Entries 86
Mean 253
Std Dev 206.8

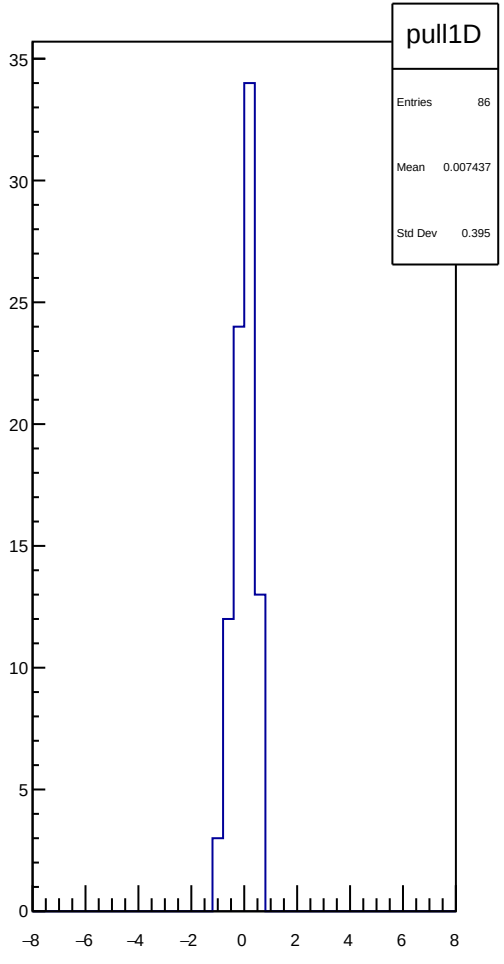

pull1D
Entries 86
Mean −0.007912
Std Dev 0.2982

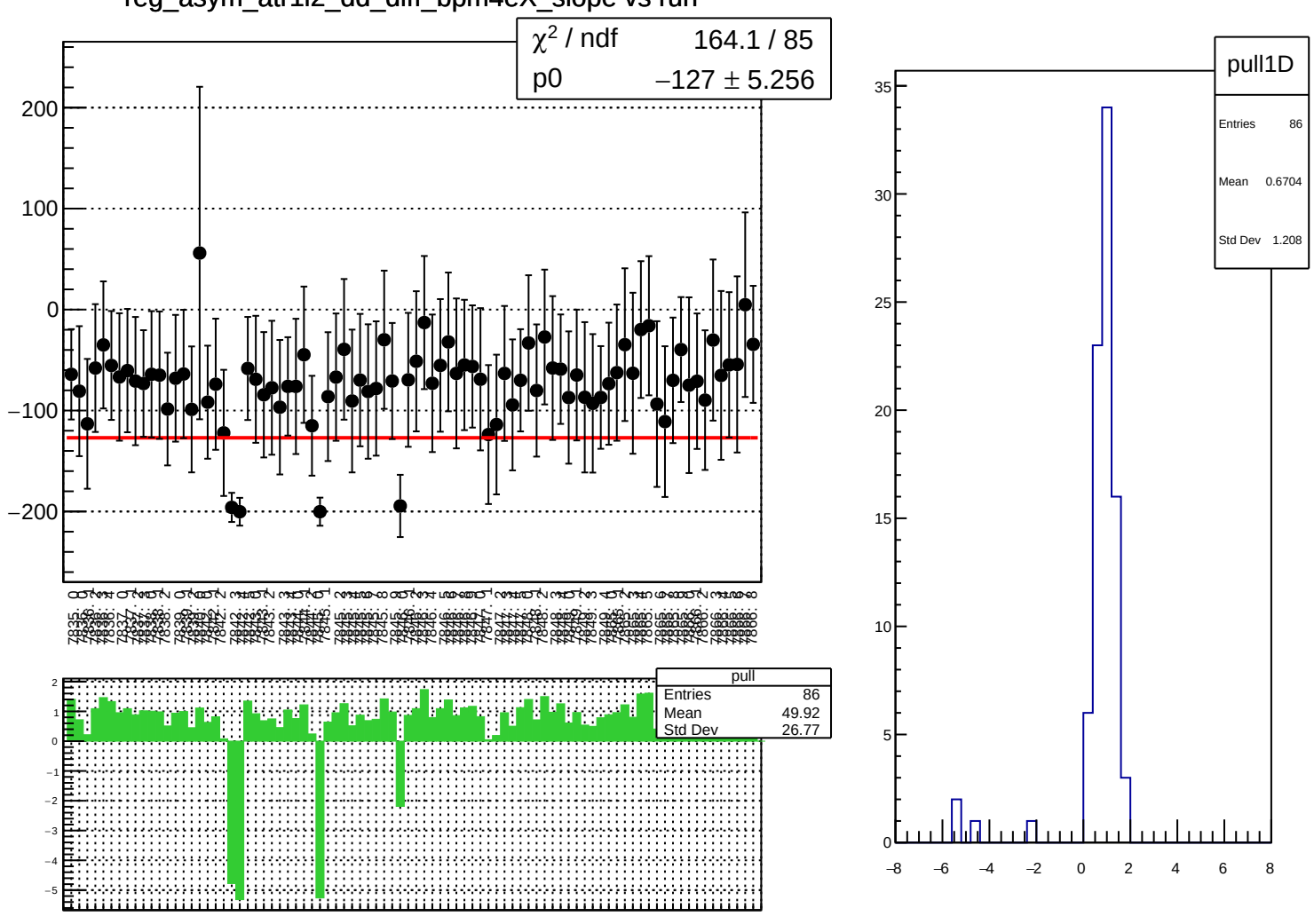

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 281.8 / 85
p0 −155.8 ± 0.3512
−140
−150
−160
−170
−180
pull
Entries 86
Mean 102.9
Std Dev 53.62
8
6
4
2
0
−2
−4
−6

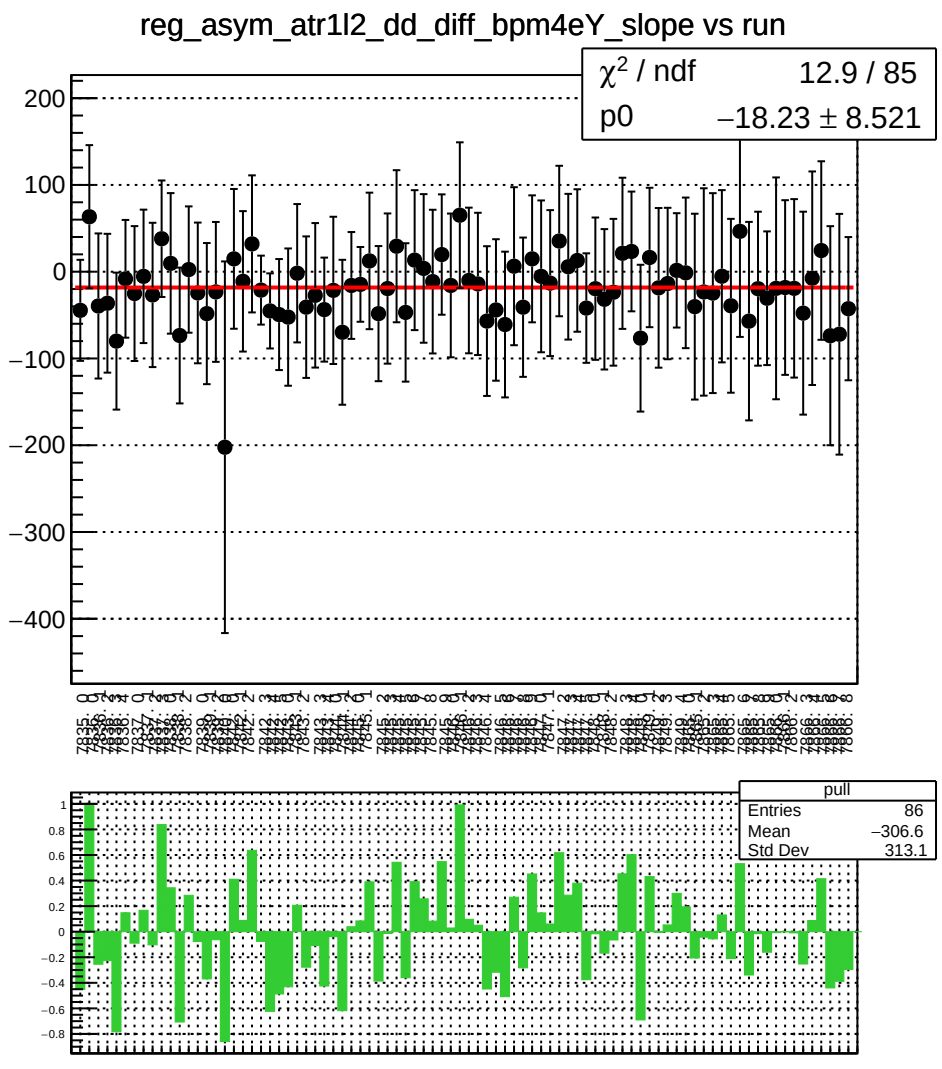

pull1D
Entries 86
Mean −0.2803
Std Dev 1.567
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

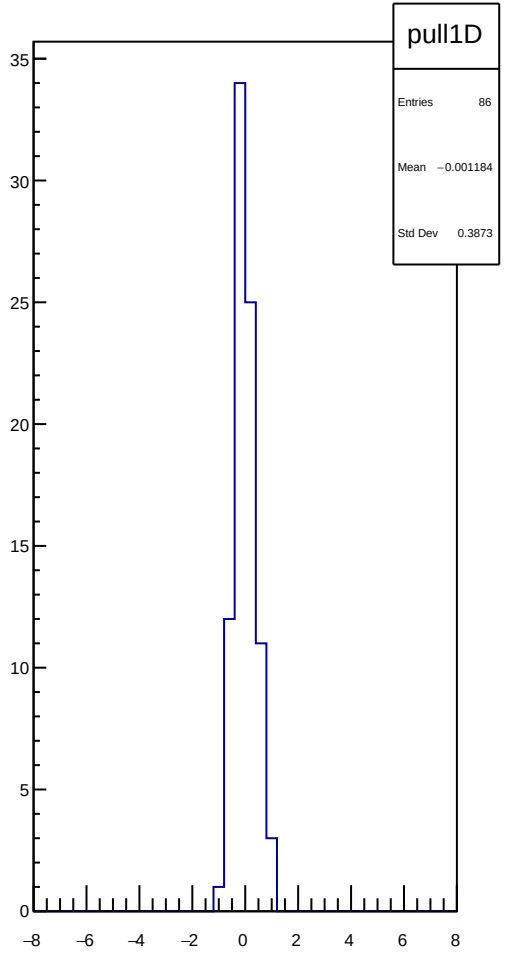

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 130.4 / 85
p0 129.4 ± 6.076
200
100
0
−100
−200
pull
Entries 86
Mean 49.92
Std Dev 26.79
5
4
3
2
1
0
−1
pull1D
Entries 86
Mean −0.5208
Std Dev 1.116
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

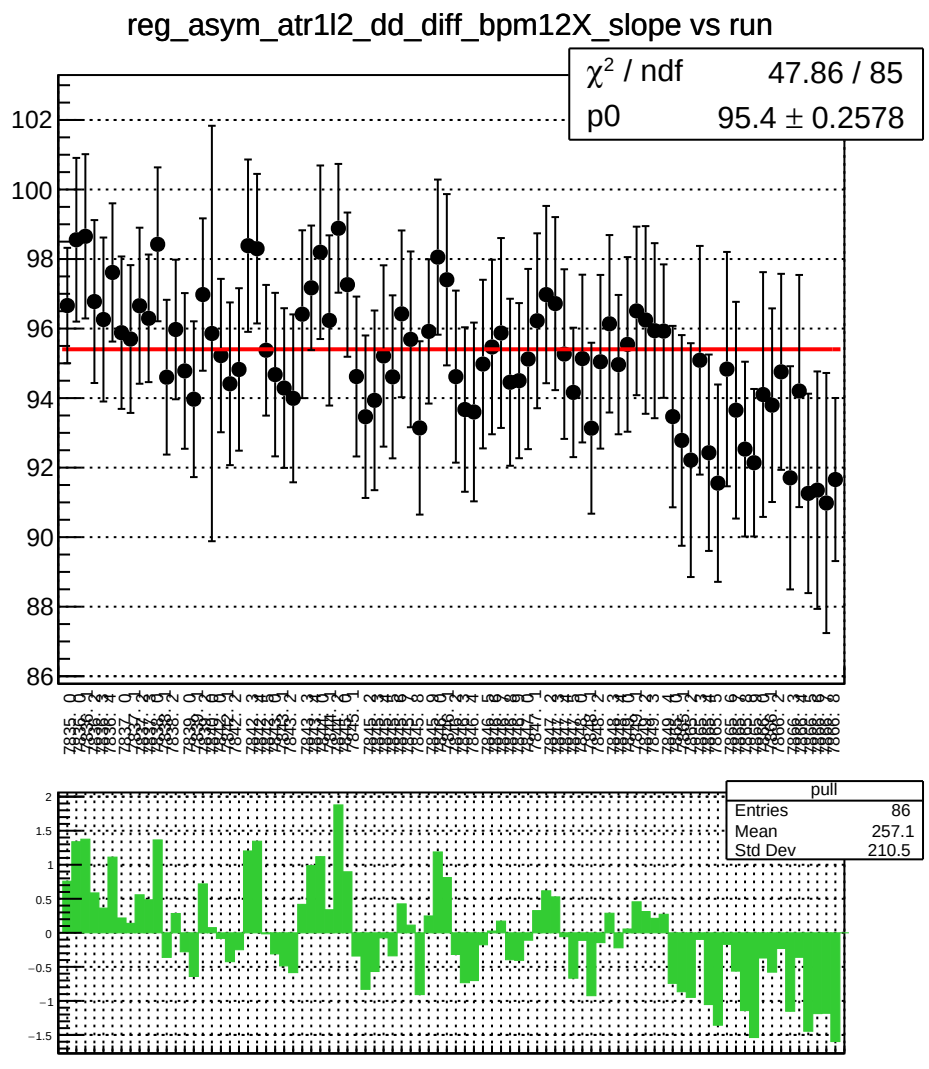

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.42 / 85
p0 −29.18 ± 7.34
300
200
100
0
−100
−200
pull
Entries 86
Mean 207.1
Std Dev 141.4
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

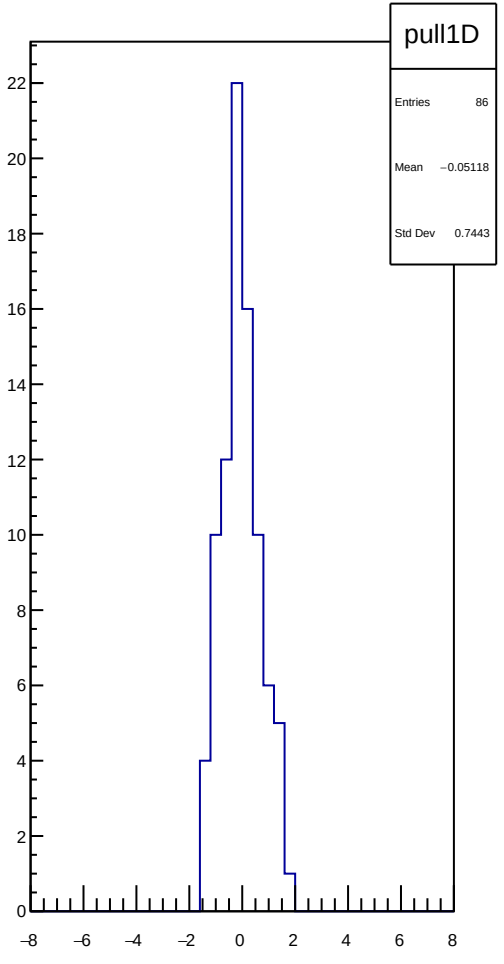

pull1D
Entries 86
Mean 0.007437
Std Dev 0.395
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

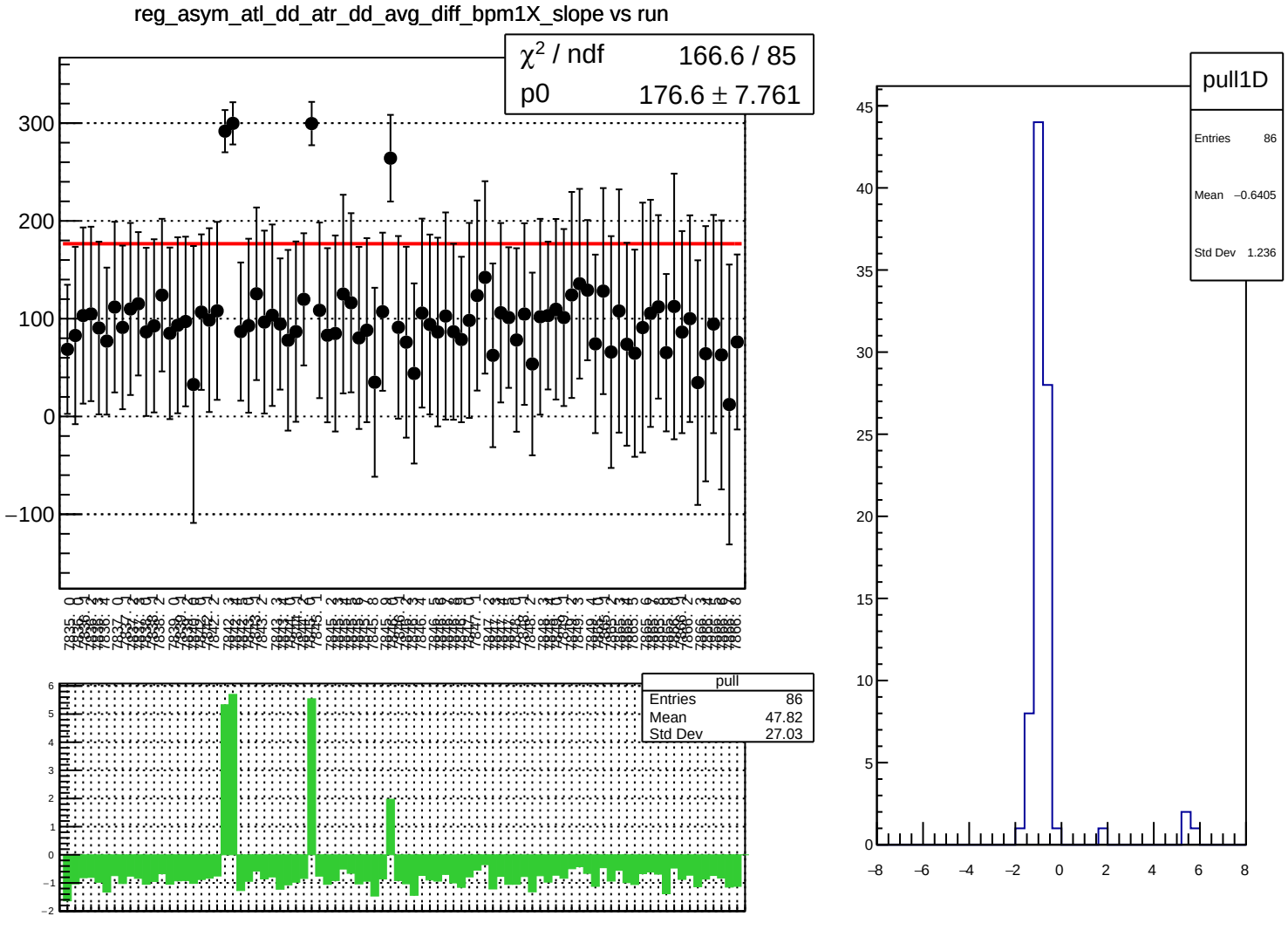

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 164.1 / 85
p0 −127 ± 5.256
200
100
0
−100
−200
pull
Entries 86
Mean 49.92
Std Dev 26.77
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 86
Mean 0.6704
Std Dev 1.208
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

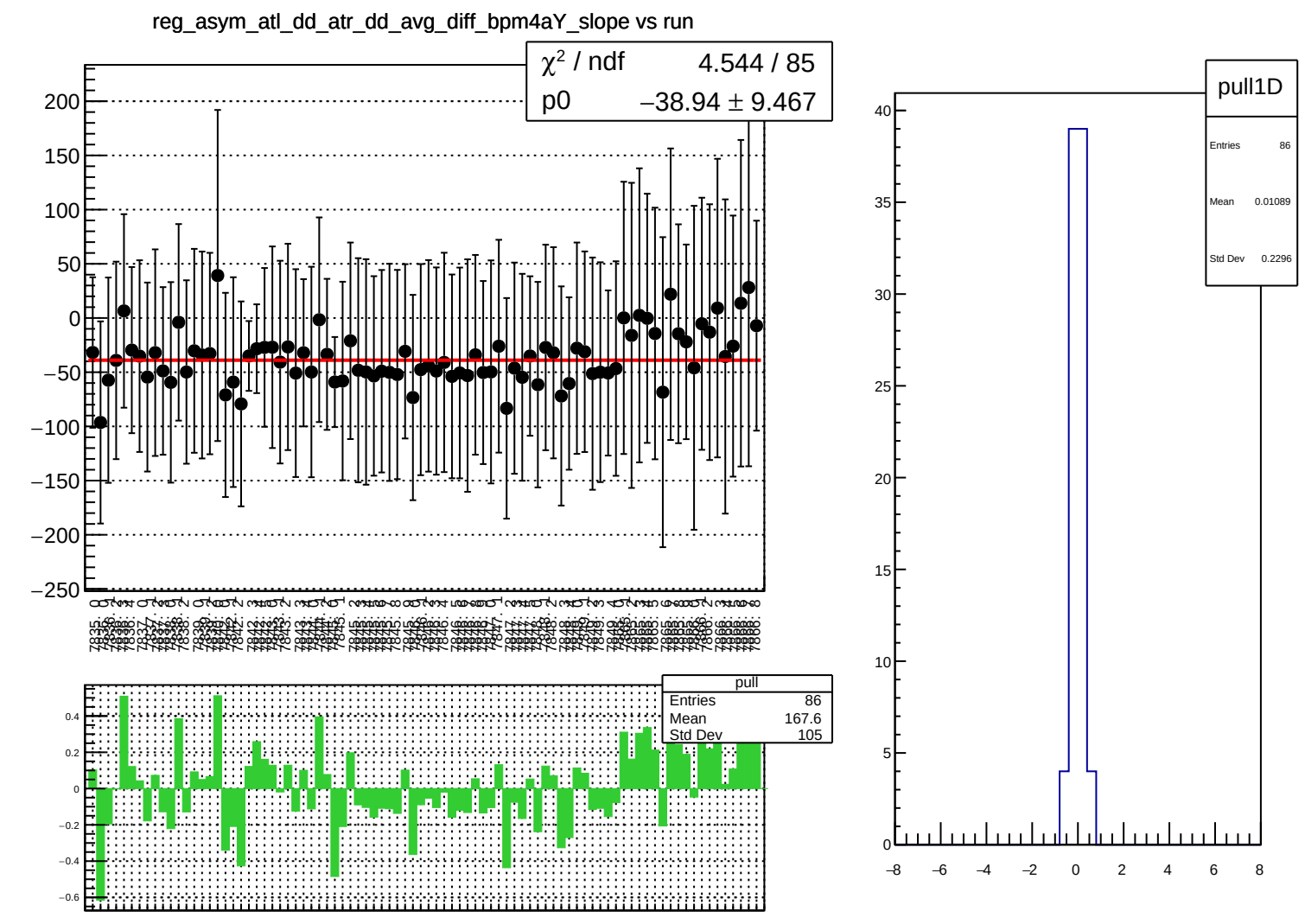

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.9 / 85
p0 −18.23 ± 8.521
pull
Entries 86
Mean −306.6
Std Dev 313.1

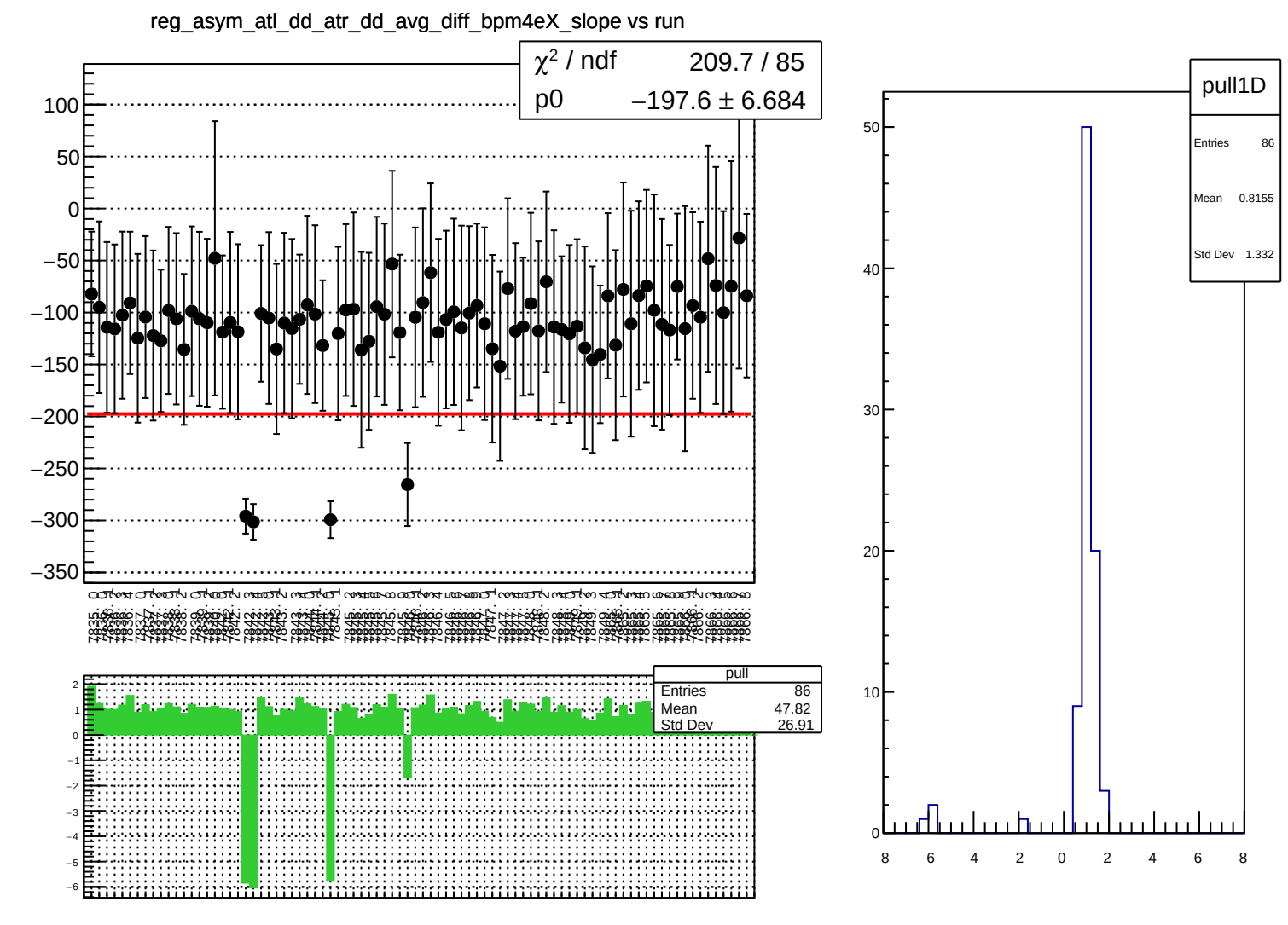

pull1D
Entries 86
Mean −0.001184
Std Dev 0.3873

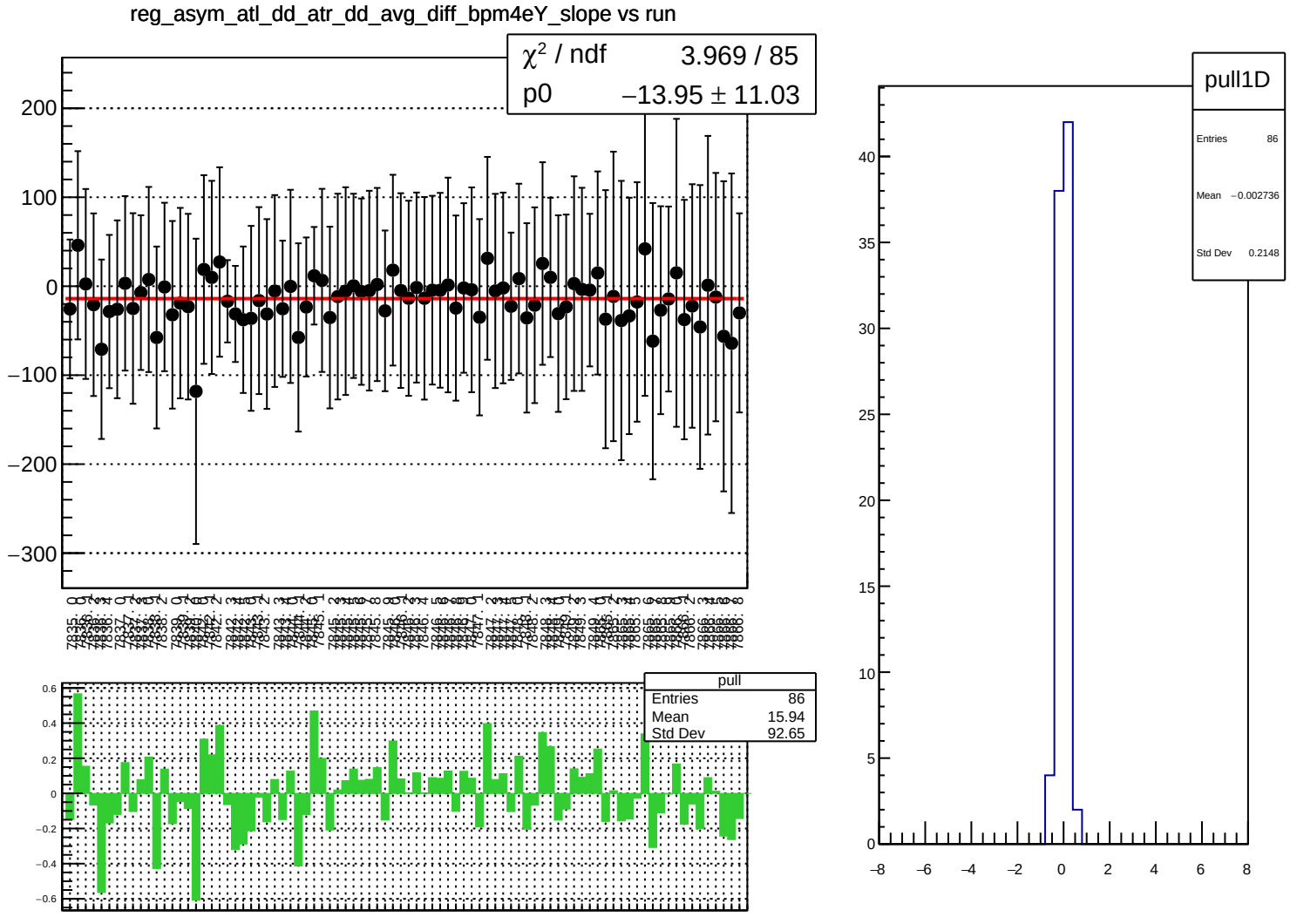

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 47.86 / 85
p0 95.4 ± 0.2578
pull
Entries 86
Mean 257.1
Std Dev 210.5

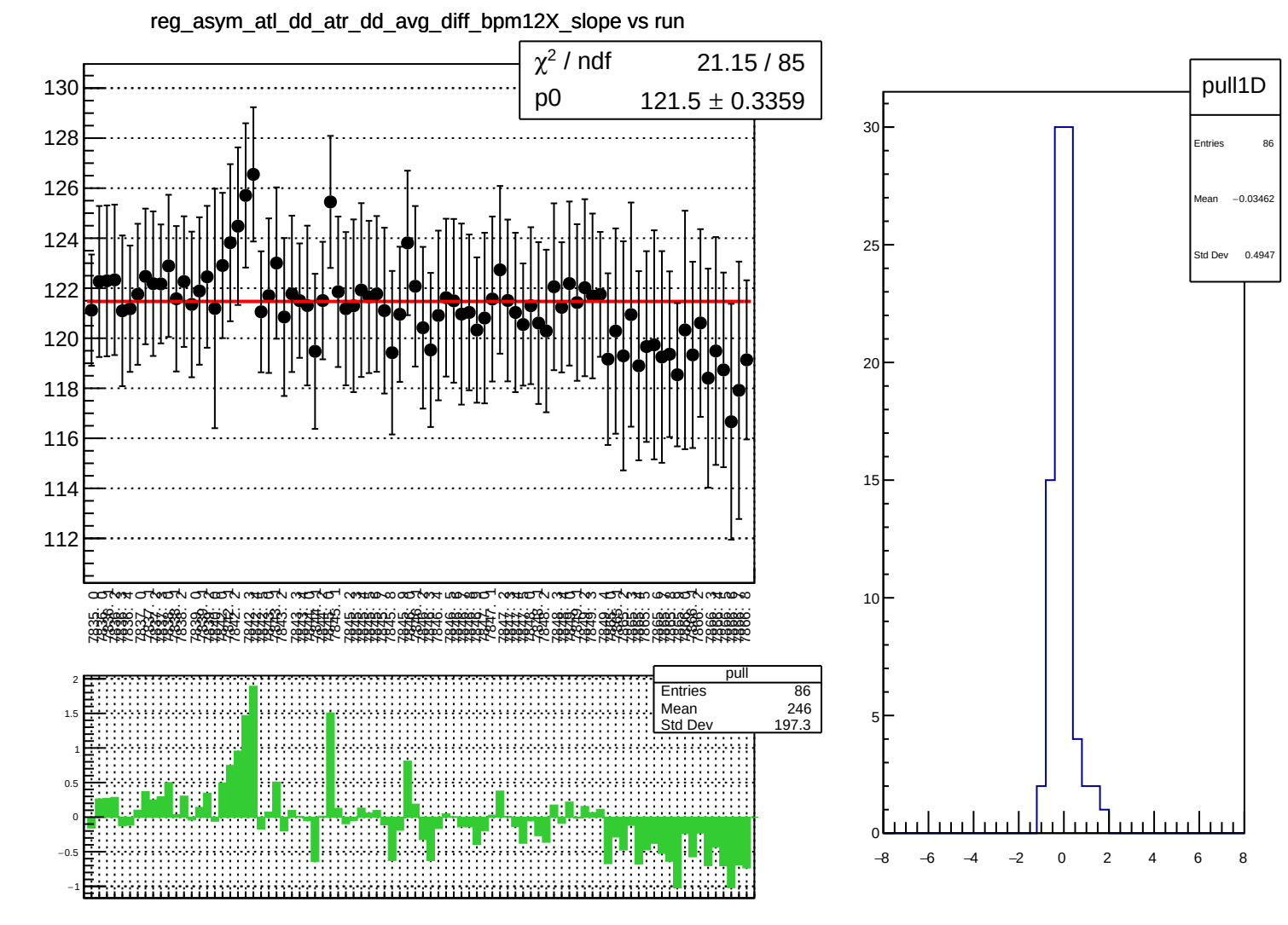

pull1D
Entries 86
Mean −0.05118
Std Dev 0.7443

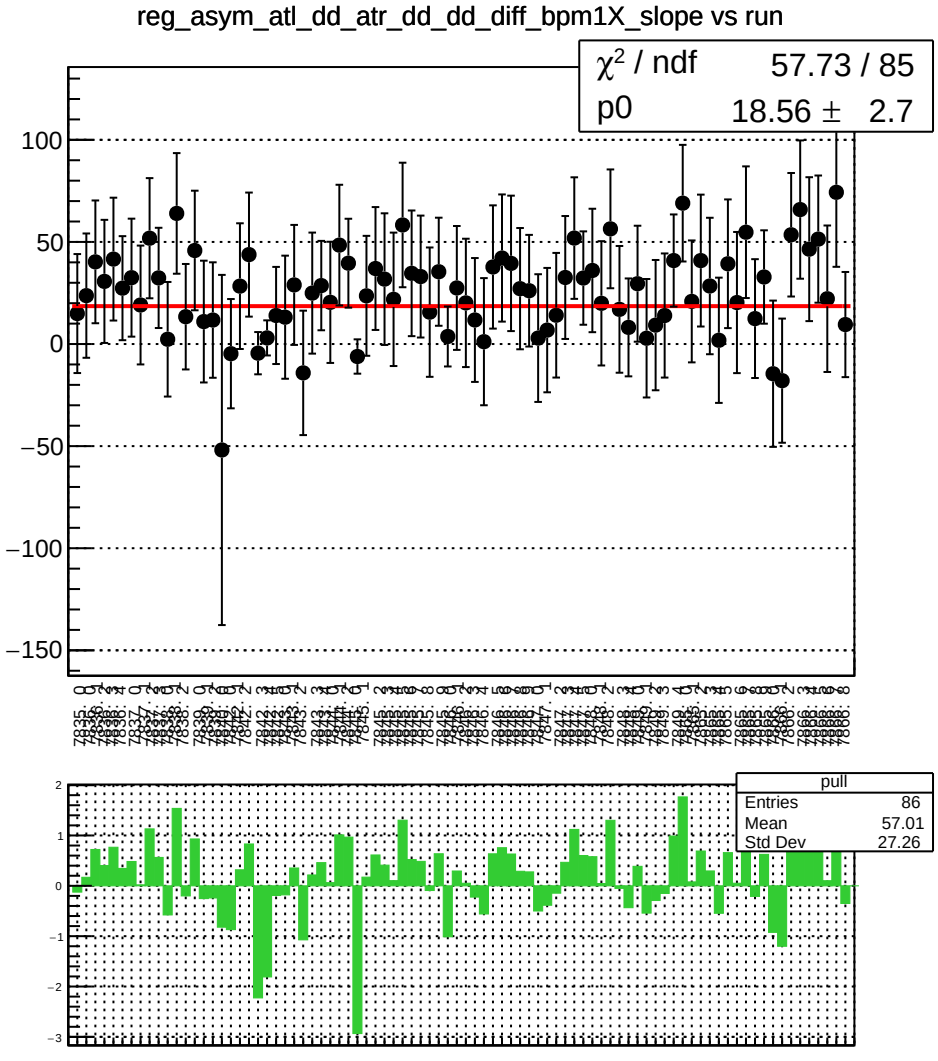

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 166.6 / 85
p0 176.6 ± 7.761
pull
Entries 86
Mean 47.82
Std Dev 27.03
pull1D
Entries 86
Mean −0.6405
Std Dev 1.236

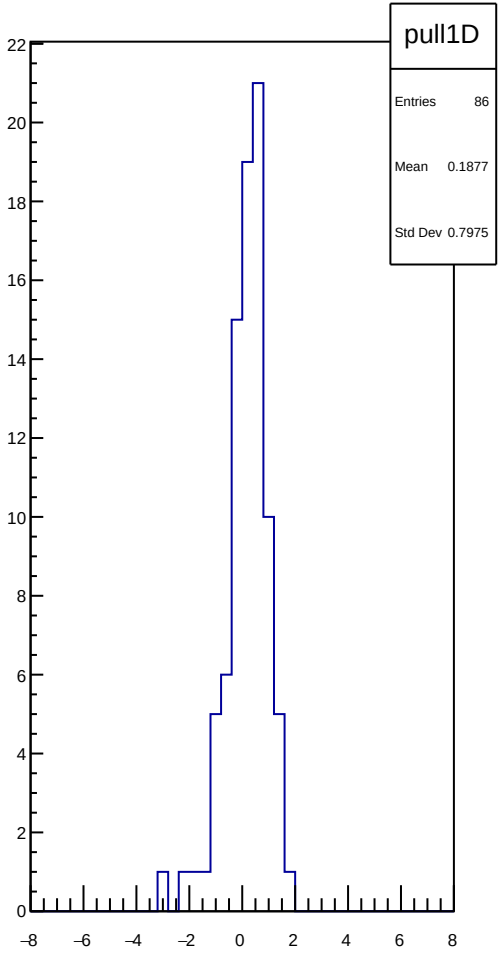

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.544 / 85
p0 −38.94 ± 9.467
pull
Entries 86
Mean 167.6
Std Dev 105
pull1D
Entries 86
Mean 0.01089
Std Dev 0.2296

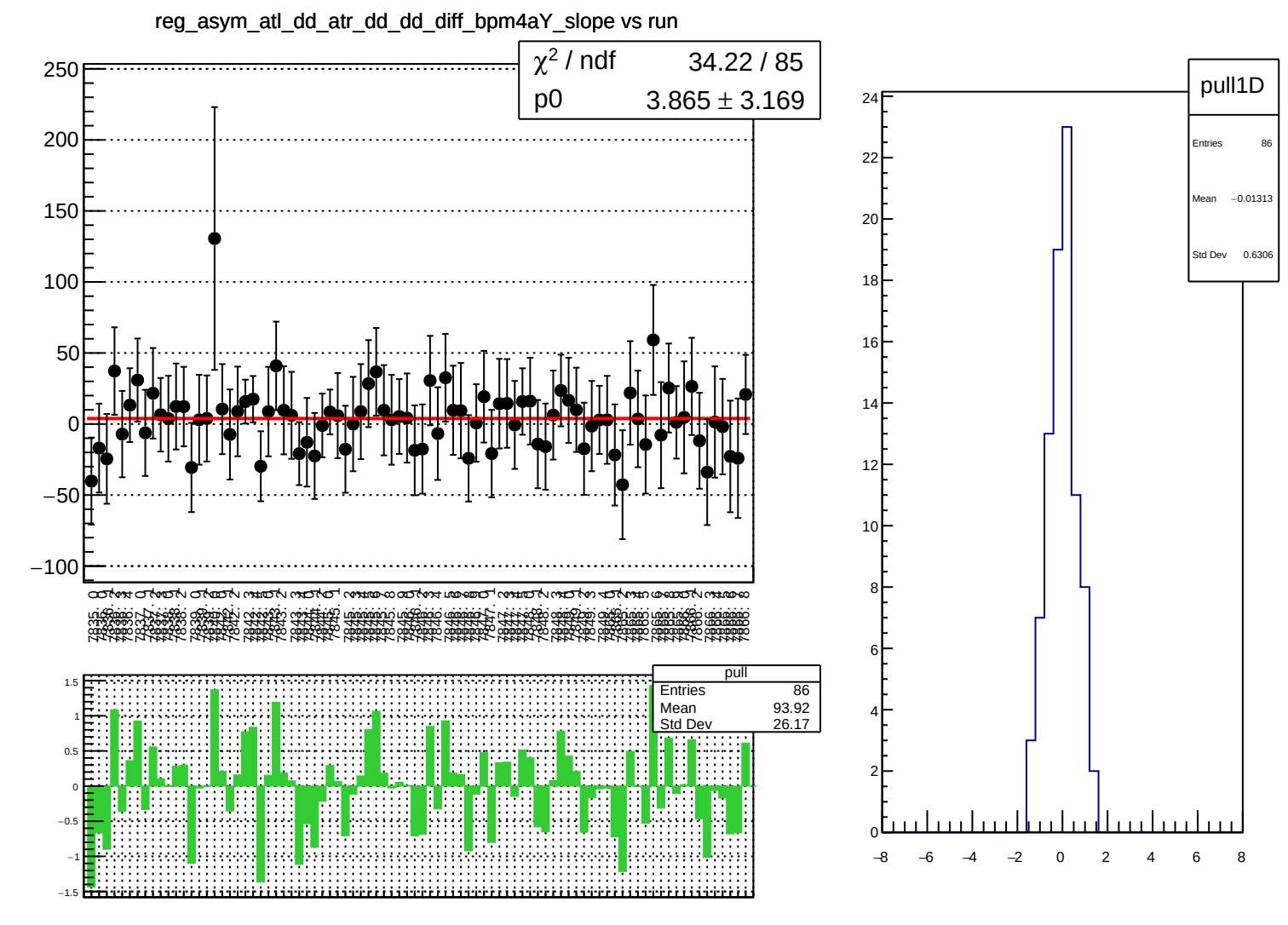

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 209.7 / 85
p0 −197.6 ± 6.684
pull
Entries 86
Mean 47.82
Std Dev 26.91
pull1D
Entries 86
Mean 0.8155
Std Dev 1.332

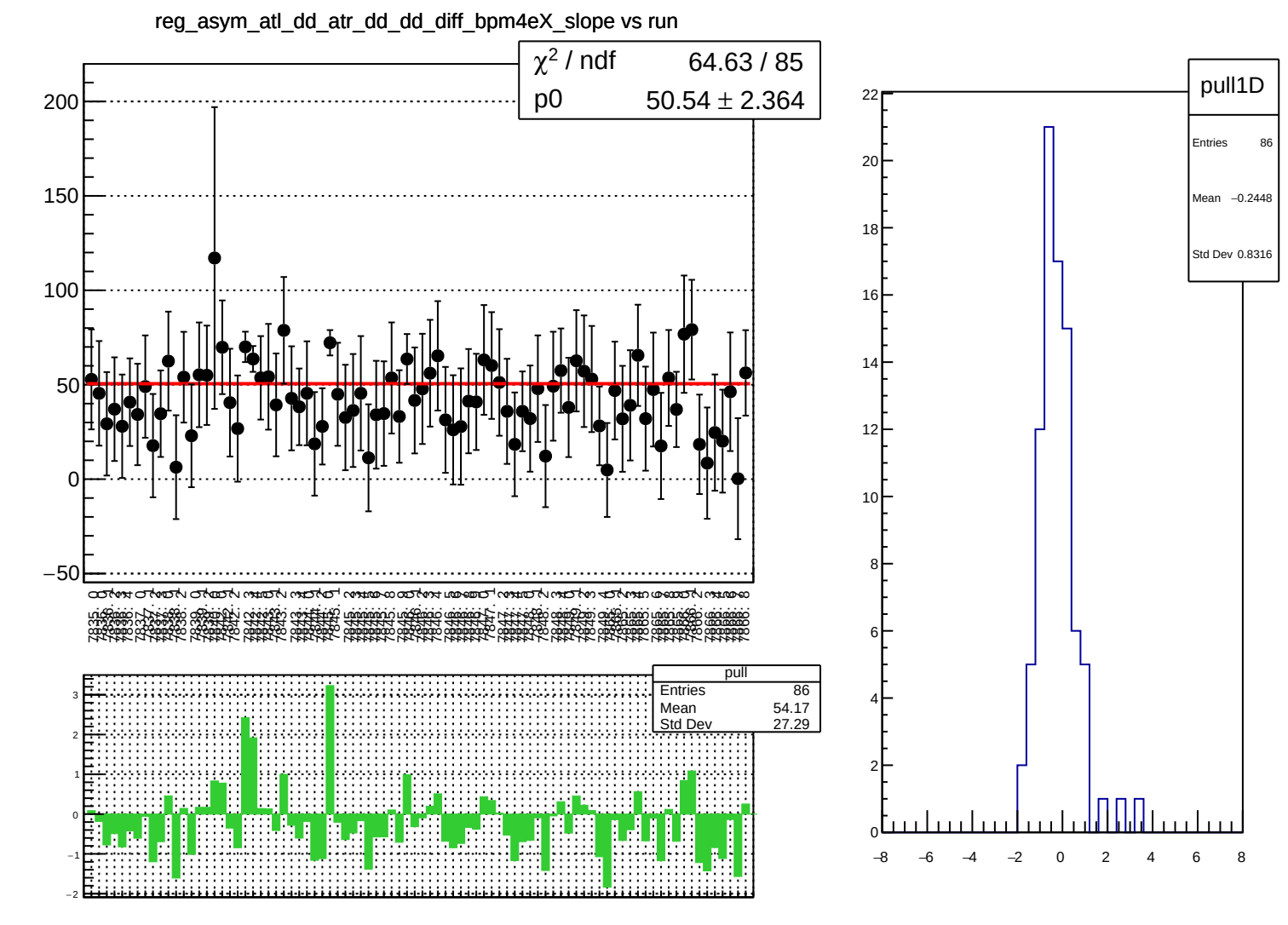

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.969 / 85
p0 −13.95 ± 11.03
200
100
0
−100
−200
−300
pull
Entries 86
Mean 15.94
Std Dev 92.65
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean −0.002736
Std Dev 0.2148
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

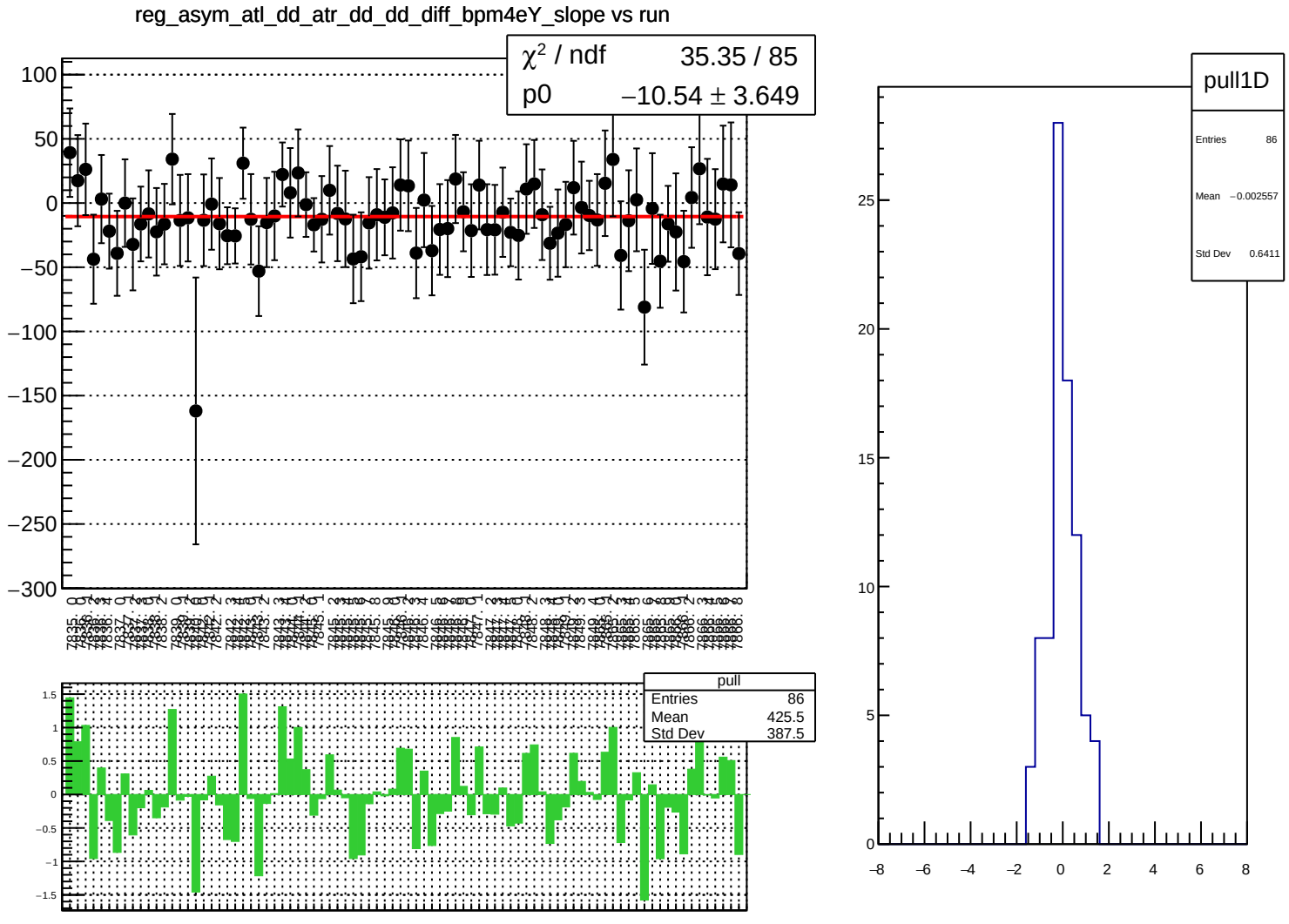

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 21.15 / 85
p0 121.5 ± 0.3359
130
128
126
124
122
120
118
116
114
112
pull
Entries 86
Mean 246
Std Dev 197.3
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean −0.03462
Std Dev 0.4947
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

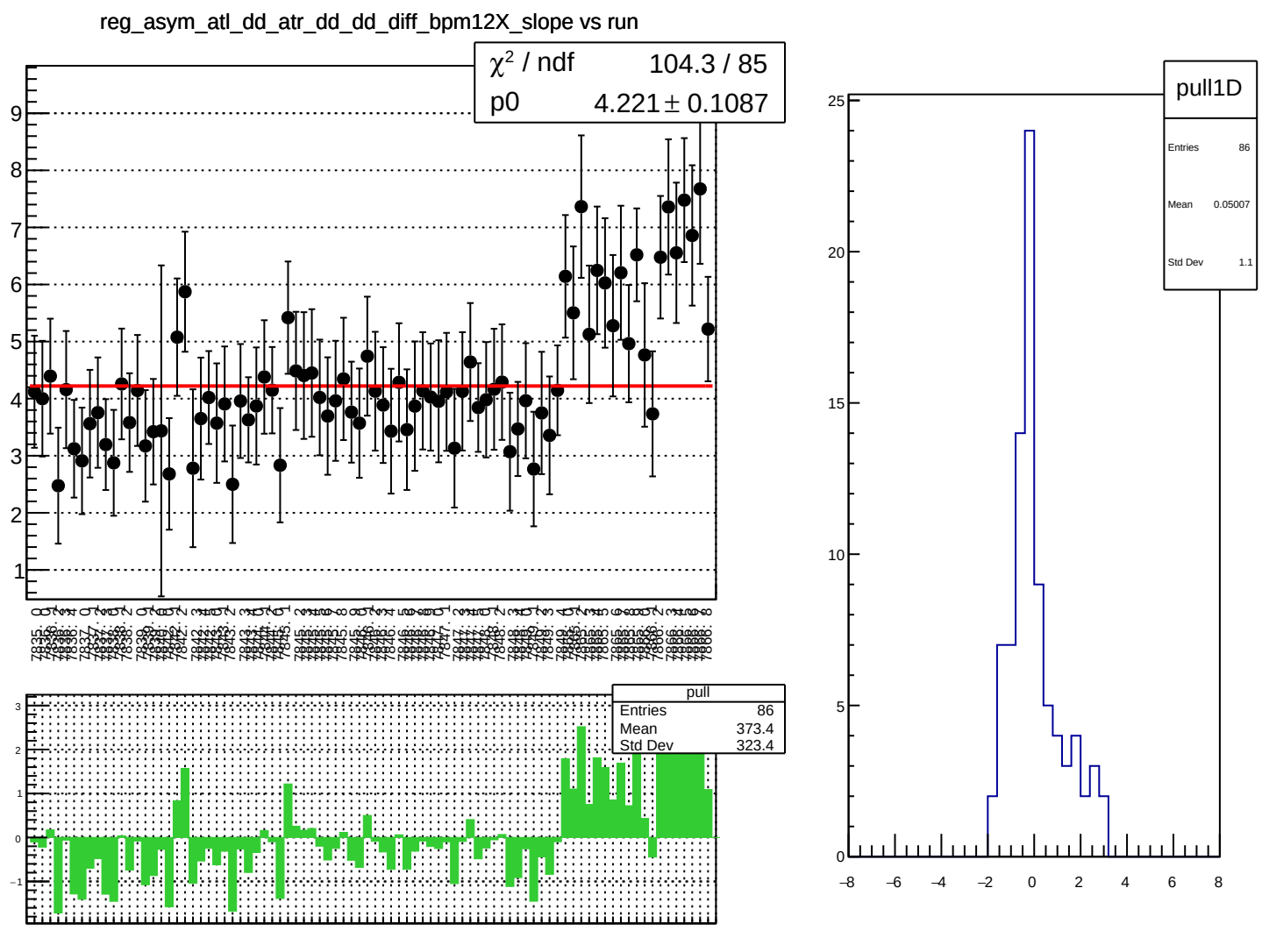

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 57.73 / 85
p0 18.56 ± 2.7
pull
Entries 86
Mean 57.01
Std Dev 27.26

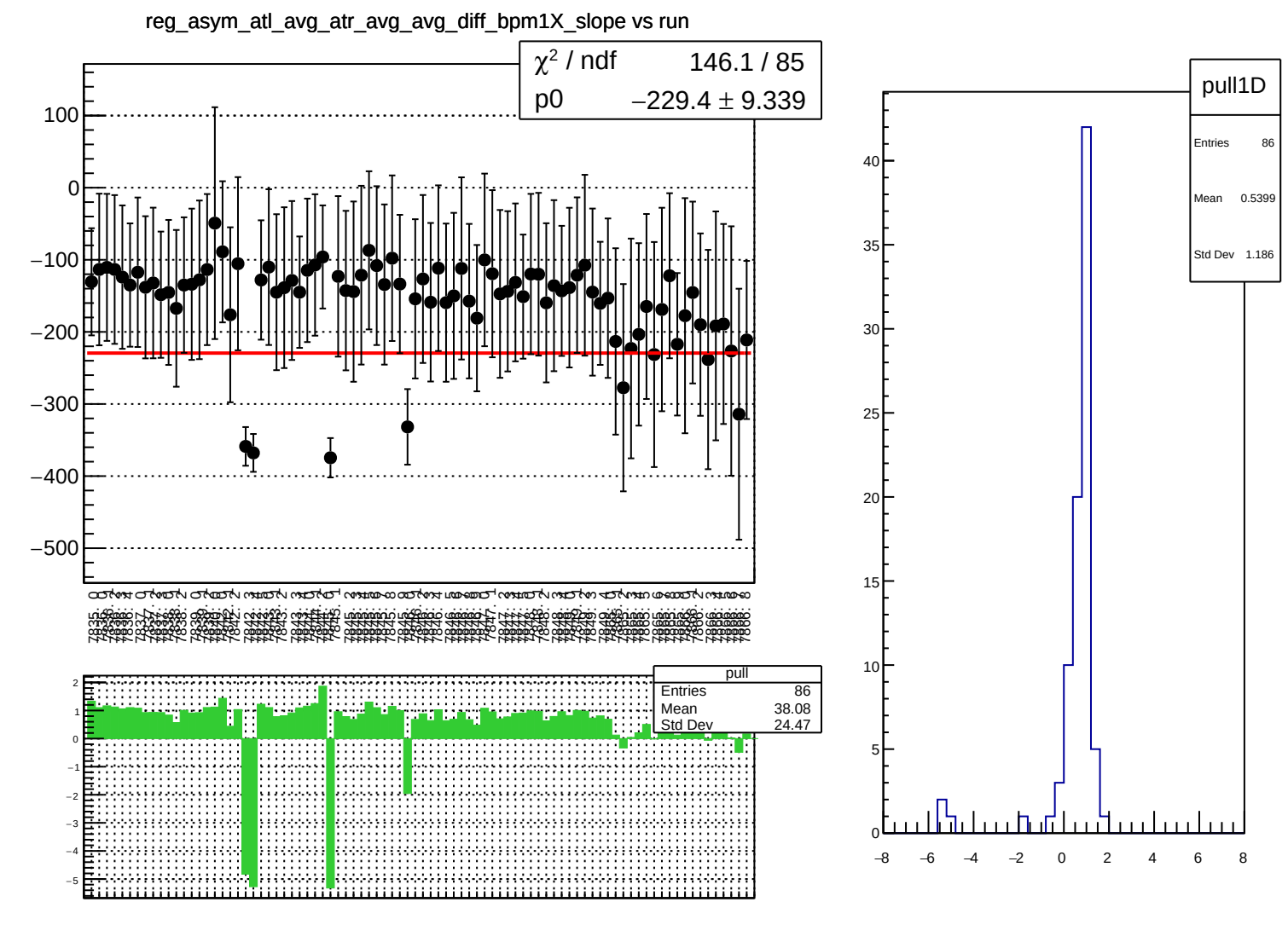

pull1D
Entries 86
Mean 0.1877
Std Dev 0.7975

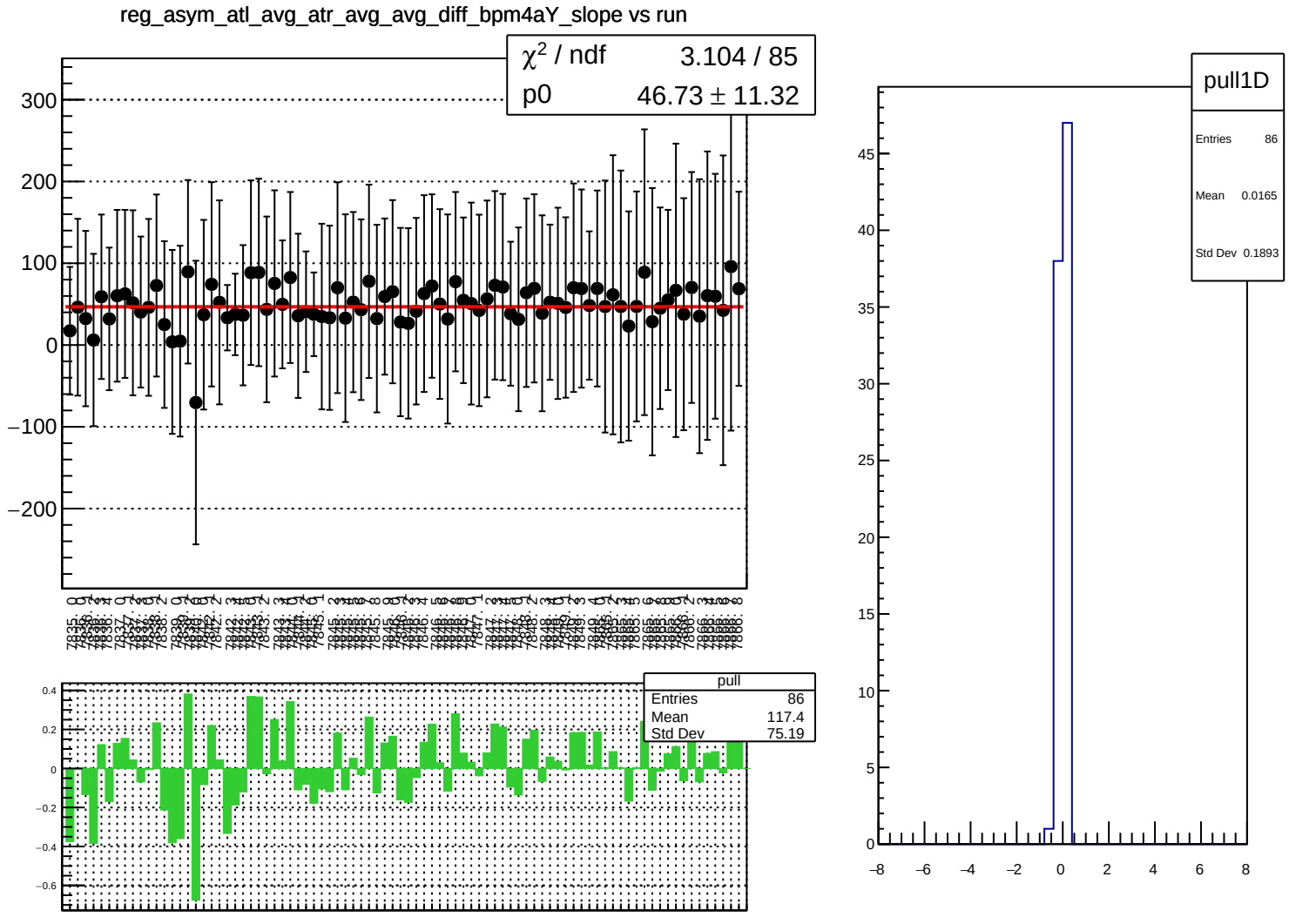

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.22 / 85
p0 3.865 ± 3.169
pull
Entries 86
Mean 93.92
Std Dev 26.17
pull1D
Entries 86
Mean −0.01313
Std Dev 0.6306

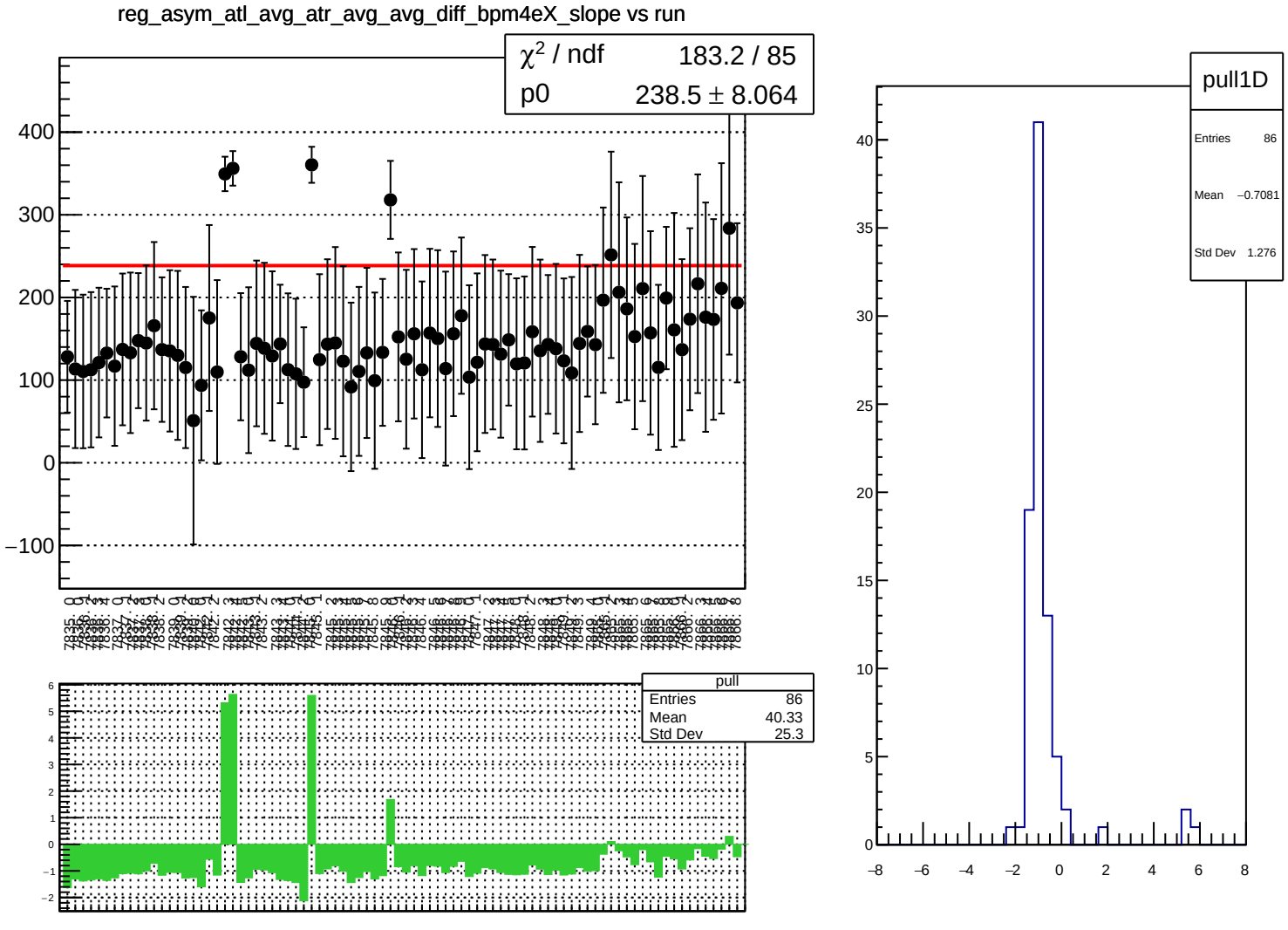

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.63 / 85
p0 50.54 ± 2.364
pull
Entries 86
Mean 54.17
Std Dev 27.29
pull1D
Entries 86
Mean −0.2448
Std Dev 0.8316

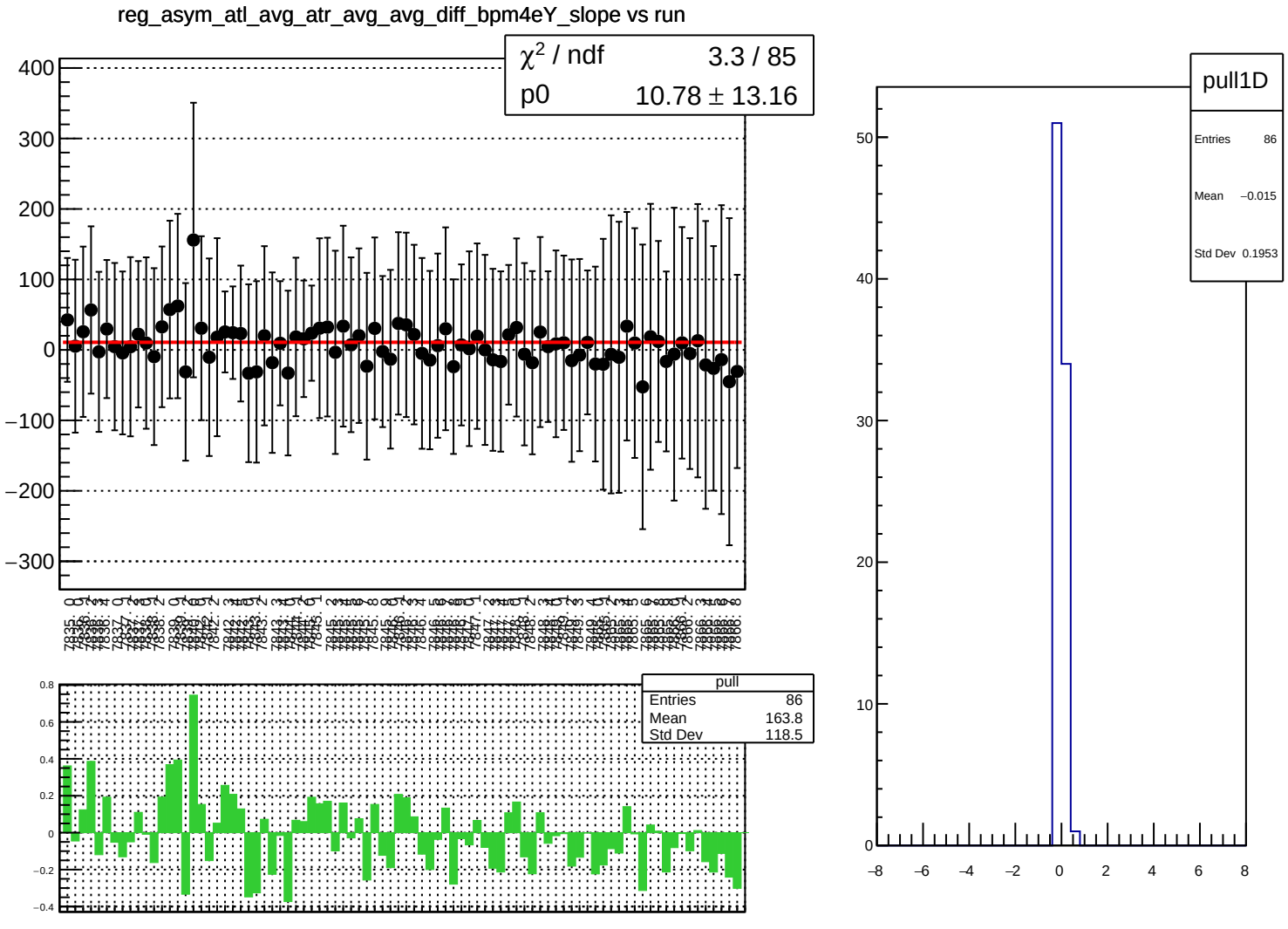

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 35.35 / 85
p0 −10.54 ± 3.649
pull
Entries 86
Mean 425.5
Std Dev 387.5
pull1D
Entries 86
Mean −0.002557
Std Dev 0.6411

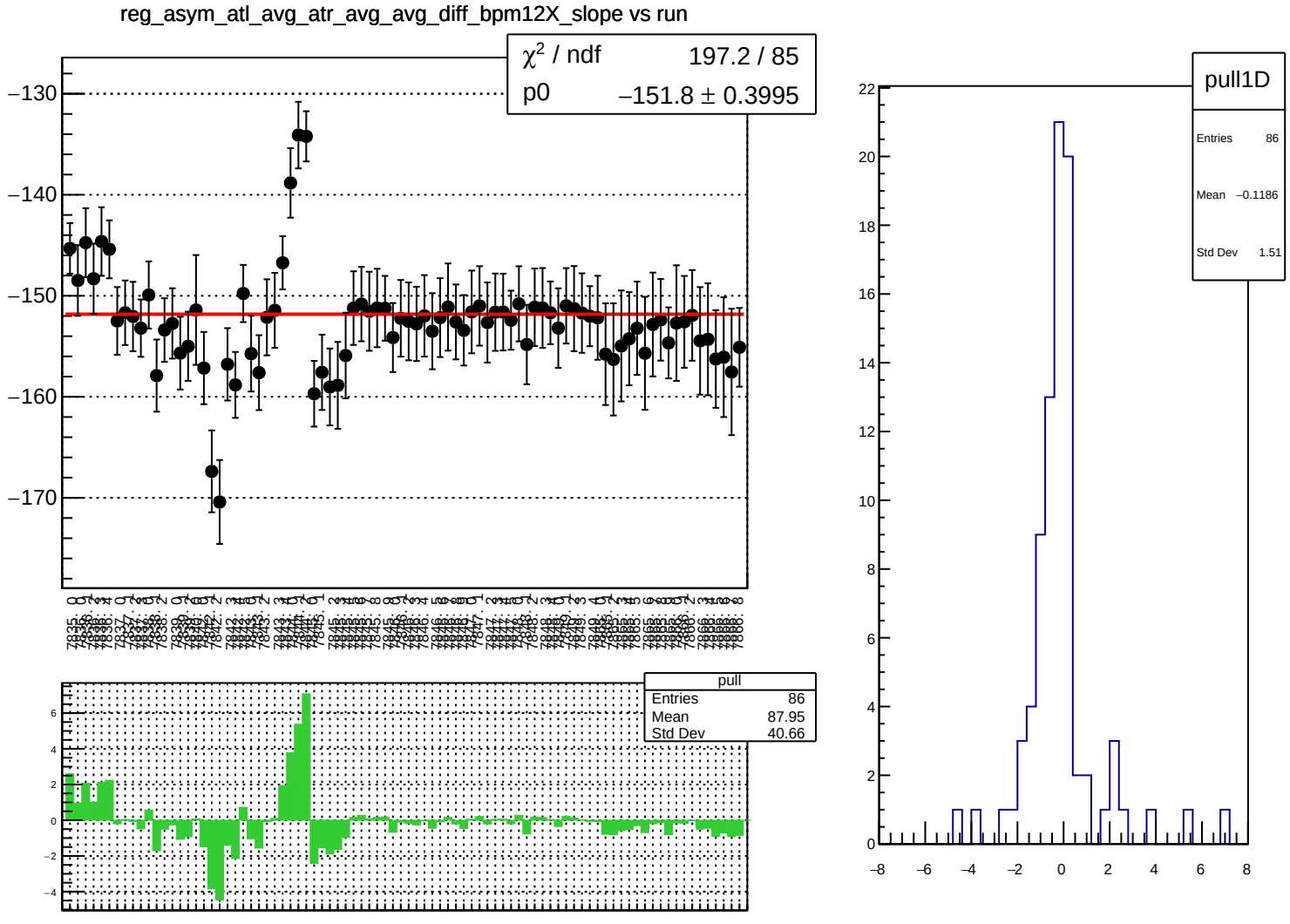

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 104.3 / 85
p0 4.221 ± 0.1087
pull
Entries 86
Mean 373.4
Std Dev 323.4
pull1D
Entries 86
Mean 0.05007
Std Dev 1.1

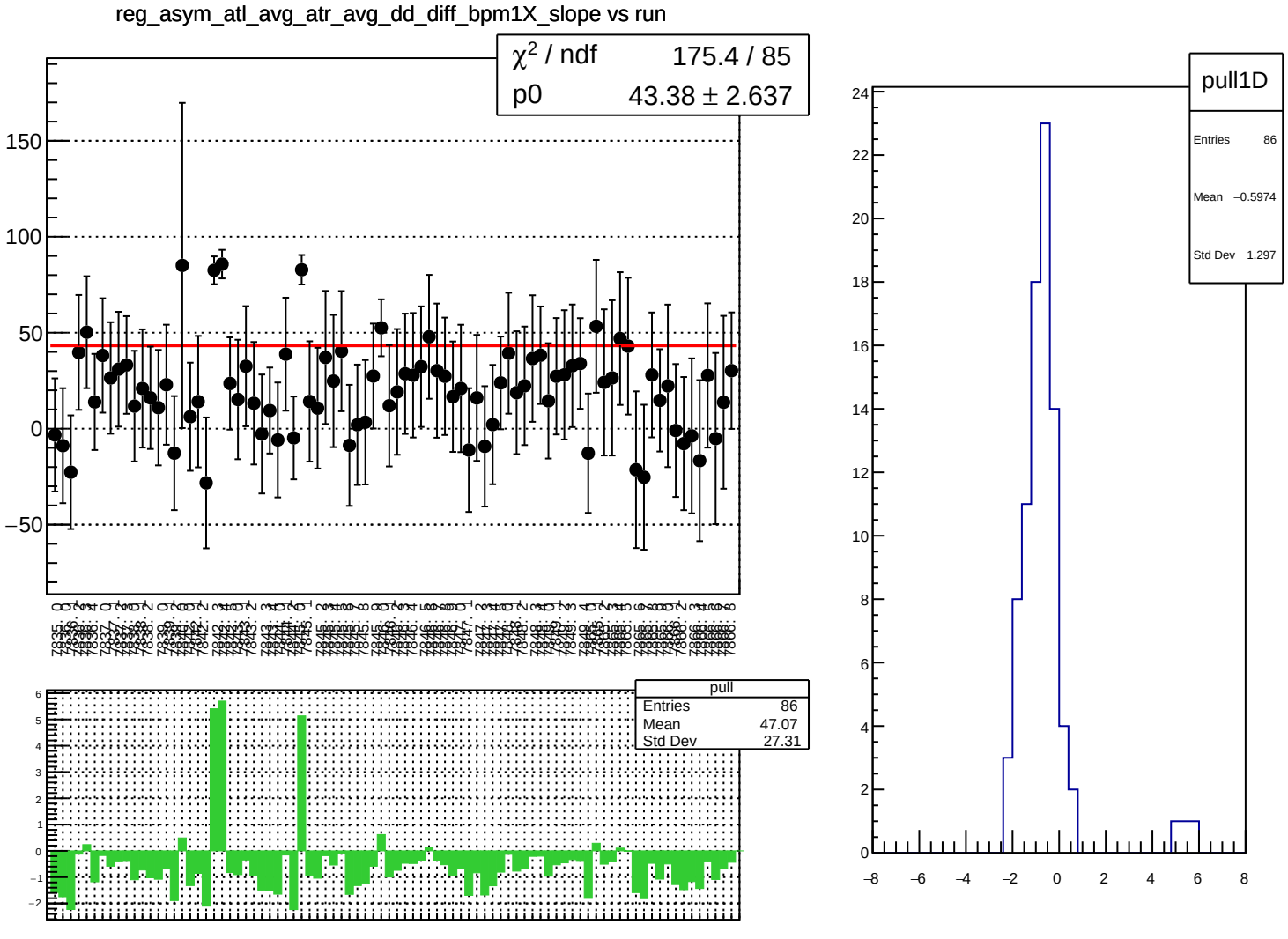

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 146.1 / 85
p0 −229.4 ± 9.339
pull
Entries 86
Mean 38.08
Std Dev 24.47
pull1D
Entries 86
Mean 0.5399
Std Dev 1.186

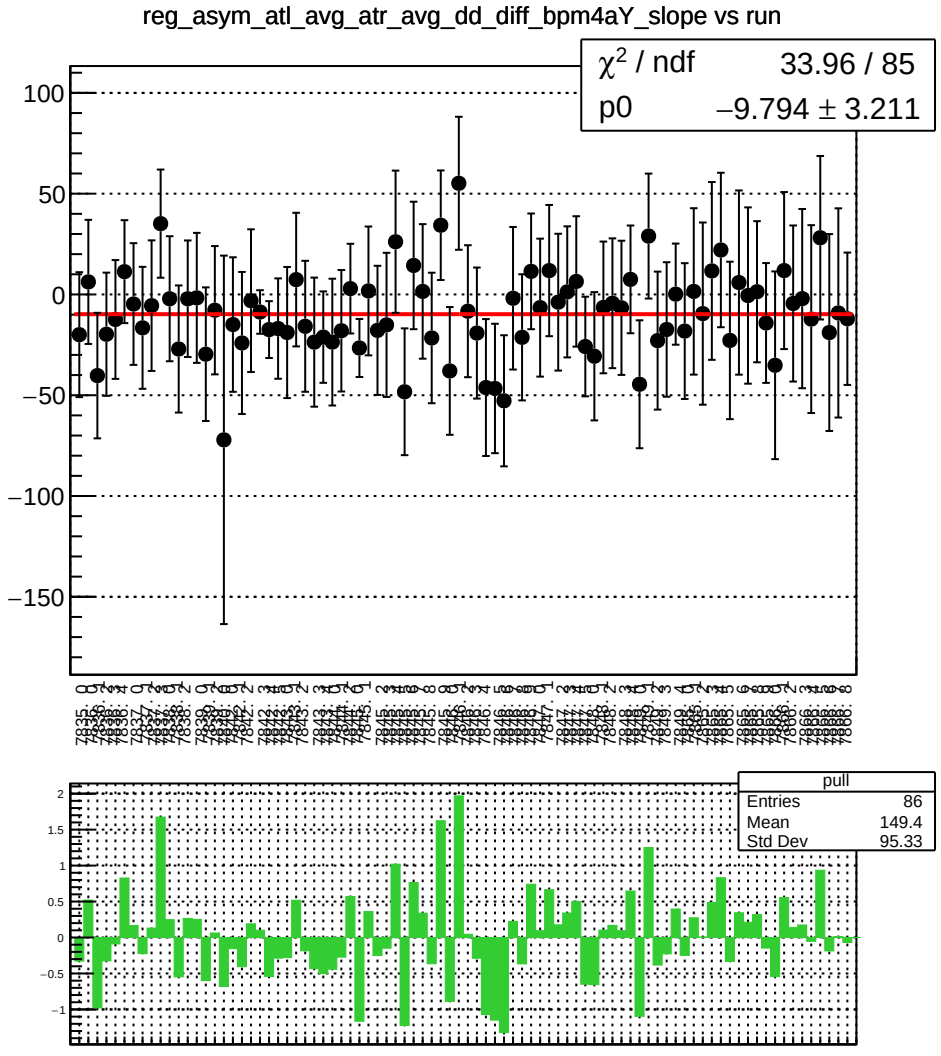

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 3.104 / 85
p0 46.73 ± 11.32
300
200
100
0
−100
−200
pull
Entries 86
Mean 117.4
Std Dev 75.19
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 86
Mean 0.0165
Std Dev 0.1893
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

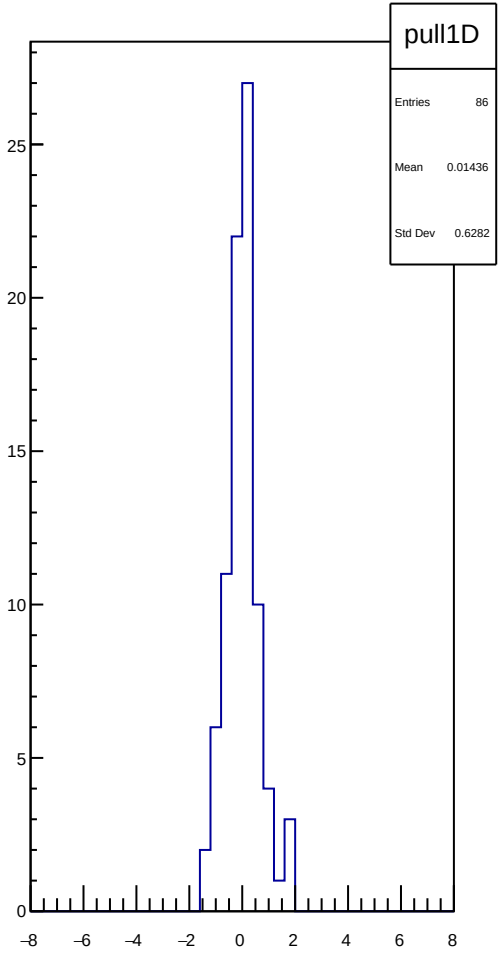

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 183.2 / 85
p0 238.5 ± 8.064
pull
Entries 86
Mean 40.33
Std Dev 25.3
pull1D
Entries 86
Mean −0.7081
Std Dev 1.276

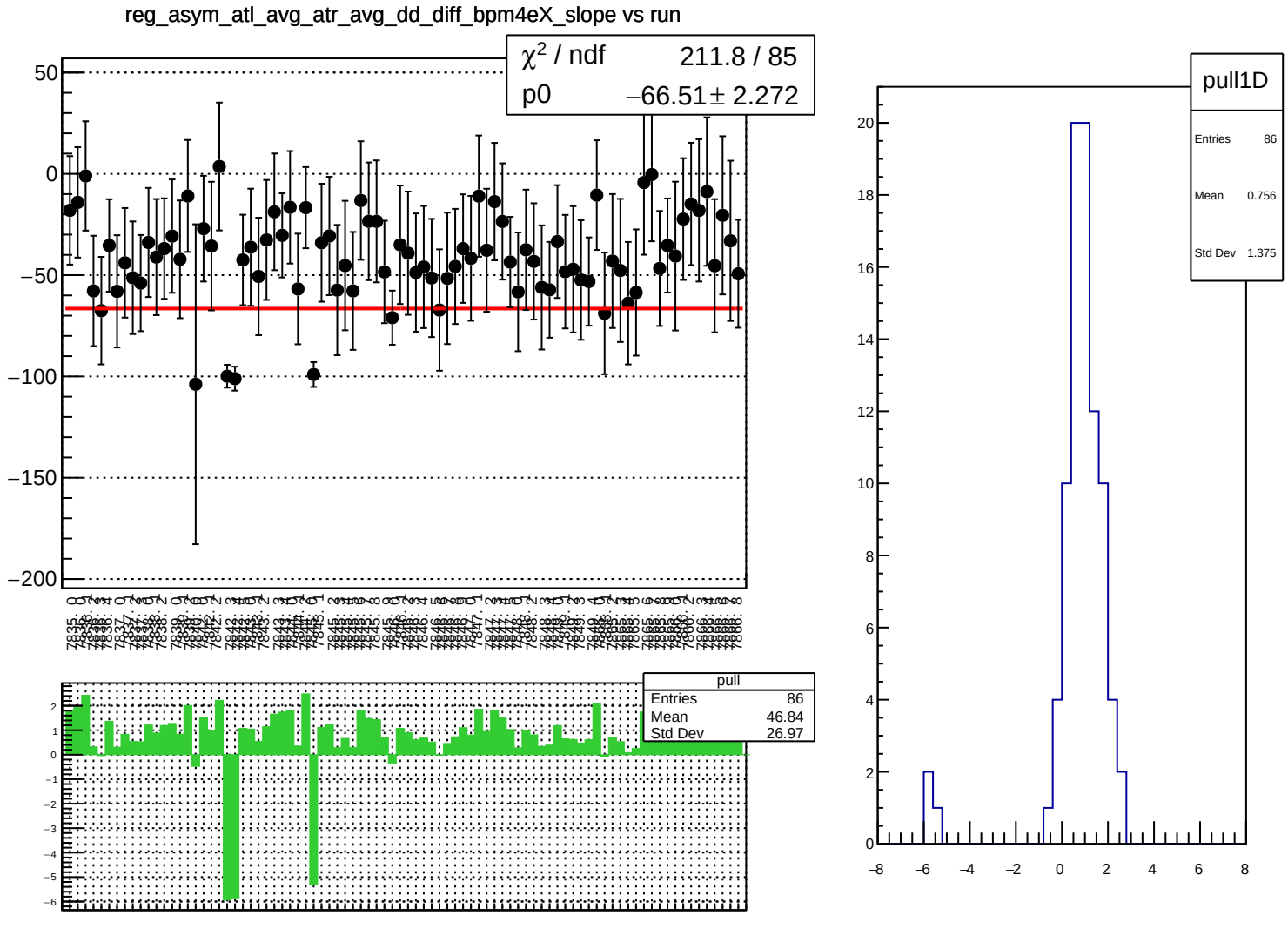

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.3 / 85
p0 10.78 ± 13.16
pull
Entries 86
Mean 163.8
Std Dev 118.5
pull1D
Entries 86
Mean −0.015
Std Dev 0.1953

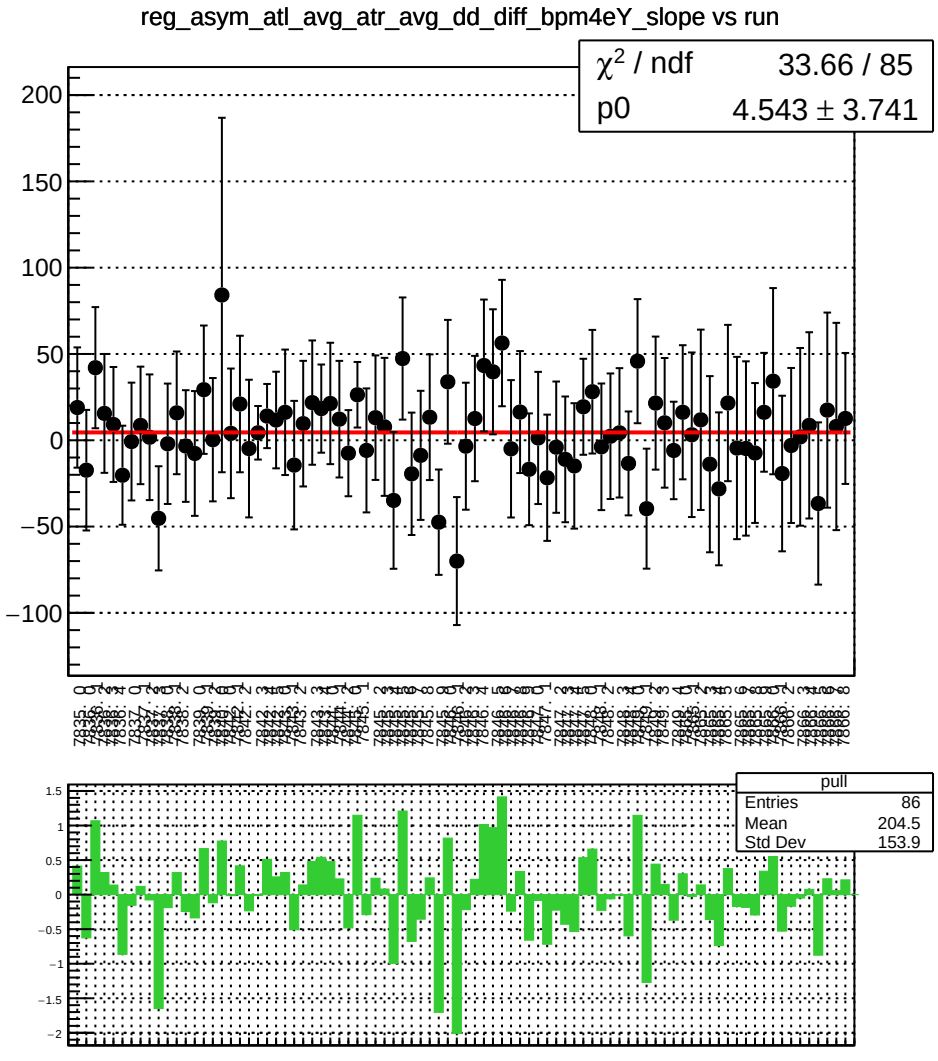

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 197.2 / 85
p0 −151.8 ± 0.3995
−130
−140
−150
−160
−170
pull
Entries 86
Mean 87.95
Std Dev 40.66
6
4
2
0
−2
−4
pull1D
Entries 86
Mean −0.1186
Std Dev 1.51
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

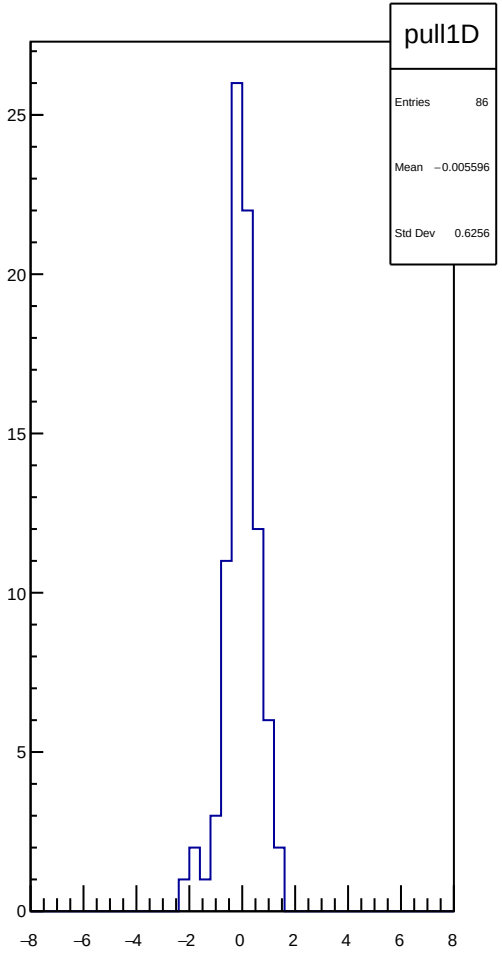

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 175.4 / 85
p0 43.38 ± 2.637
150
100
50
0
−50
pull
Entries 86
Mean 47.07
Std Dev 27.31
6
5
4
3
2
1
0
−1
−2
pull1D
Entries 86
Mean −0.5974
Std Dev 1.297
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

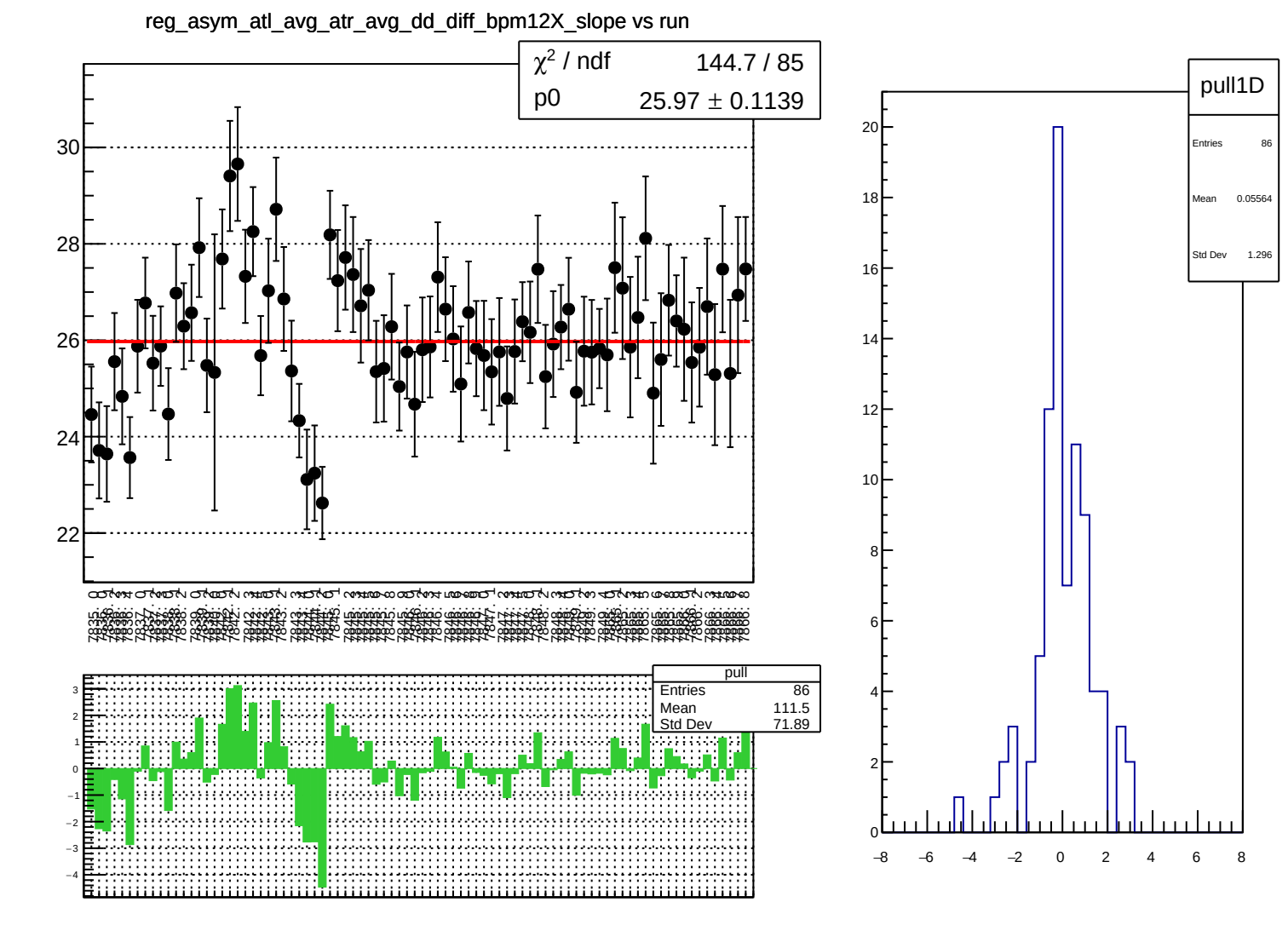

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 33.96 / 85
p0 −9.794 ± 3.211
pull
Entries 86
Mean 149.4
Std Dev 95.33

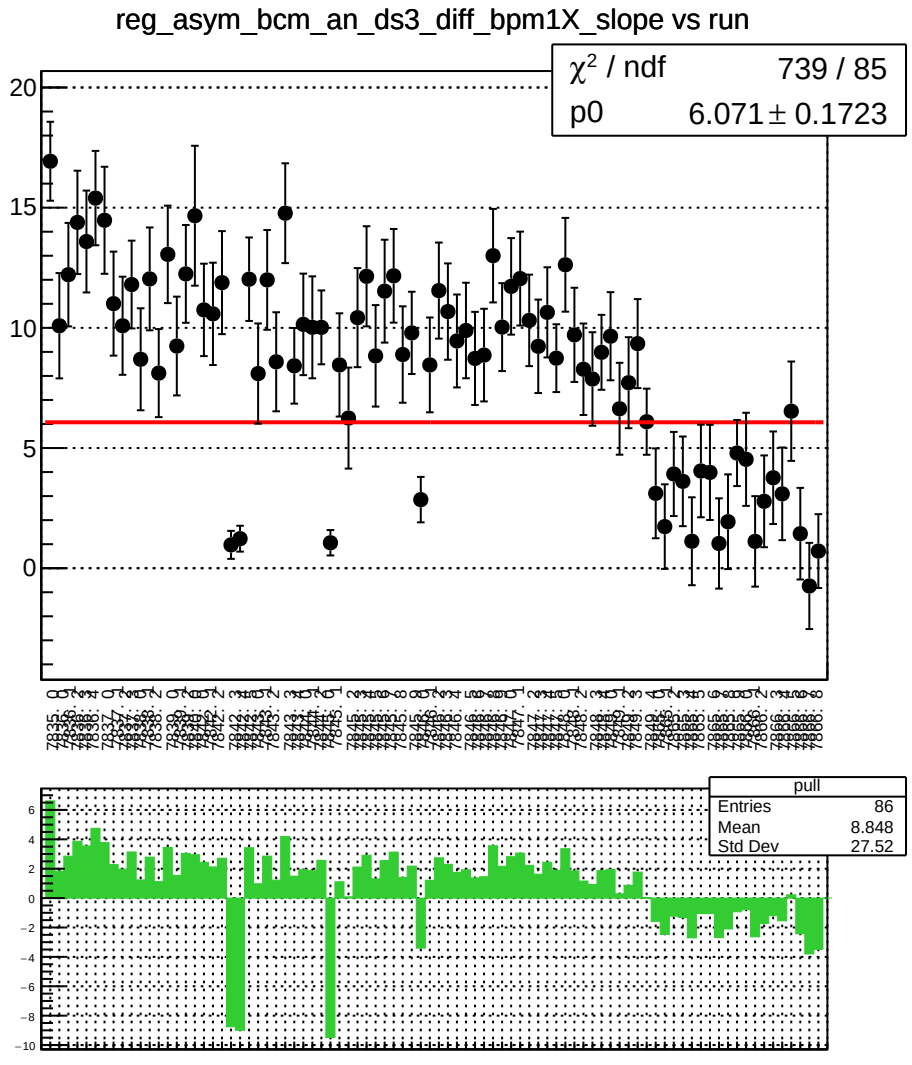

pull1D
Entries 86
Mean 0.01436
Std Dev 0.6282

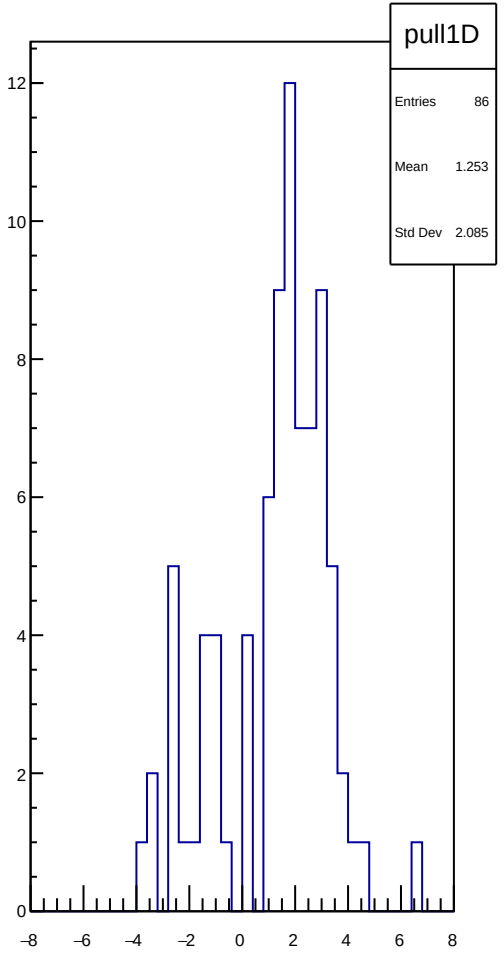

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 211.8 / 85
p0 −66.51 ± 2.272
pull
Entries 86
Mean 46.84
Std Dev 26.97
pull1D
Entries 86
Mean 0.756
Std Dev 1.375

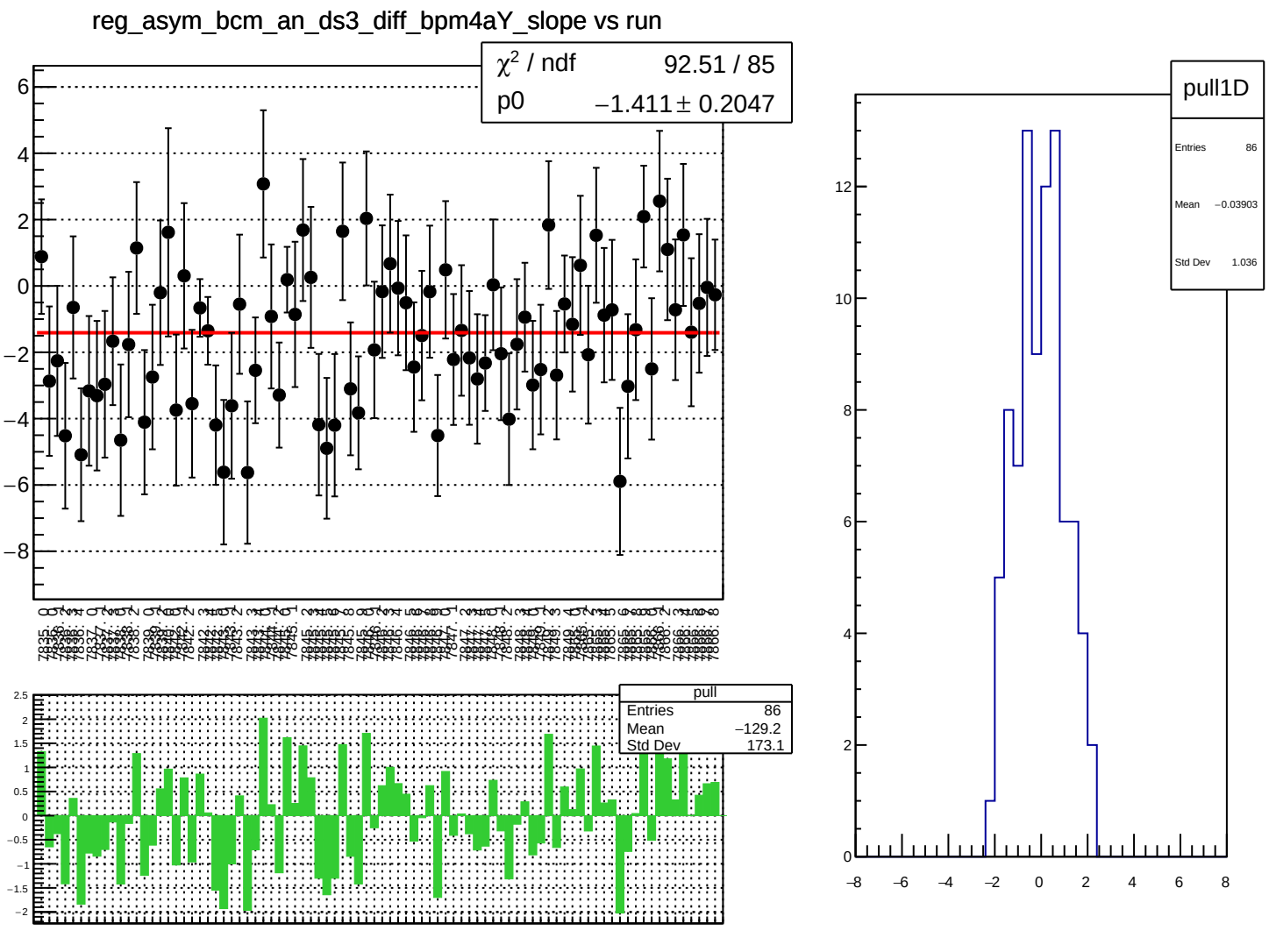

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.66 / 85
p0 4.543 ± 3.741
pull
Entries 86
Mean 204.5
Std Dev 153.9

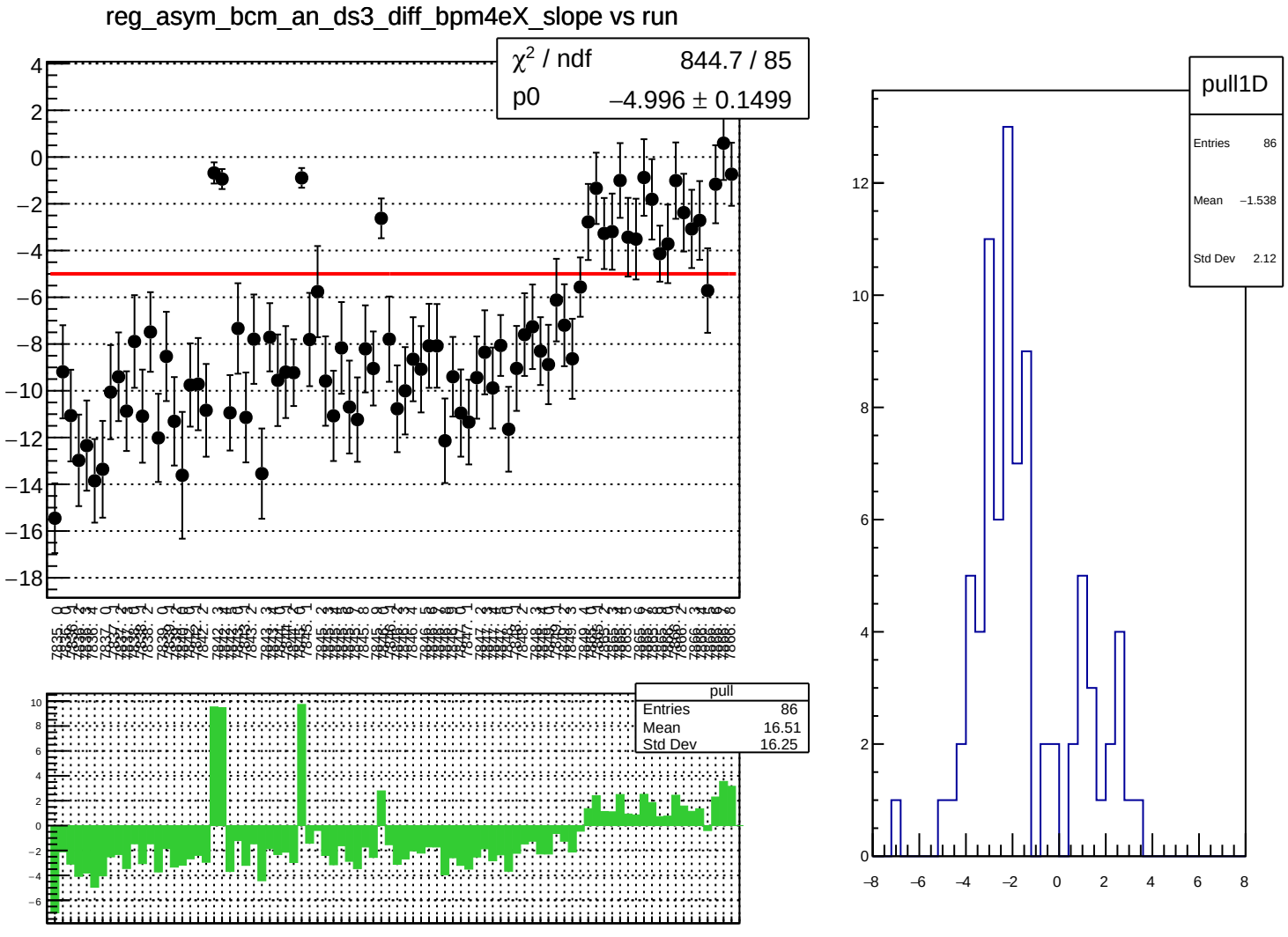

pull1D
Entries 86
Mean −0.005596
Std Dev 0.6256

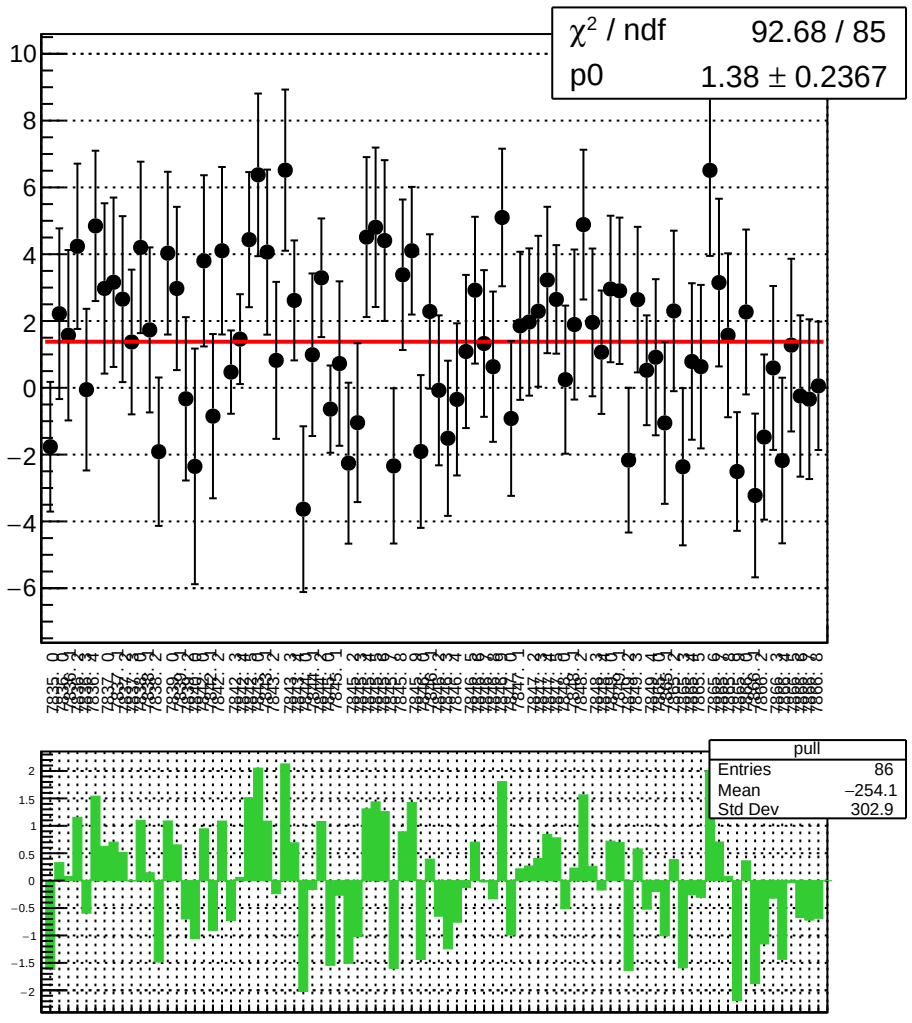

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 144.7 / 85
p0 25.97 ± 0.1139
pull
Entries 86
Mean 111.5
Std Dev 71.89
pull1D
Entries 86
Mean 0.05564
Std Dev 1.296

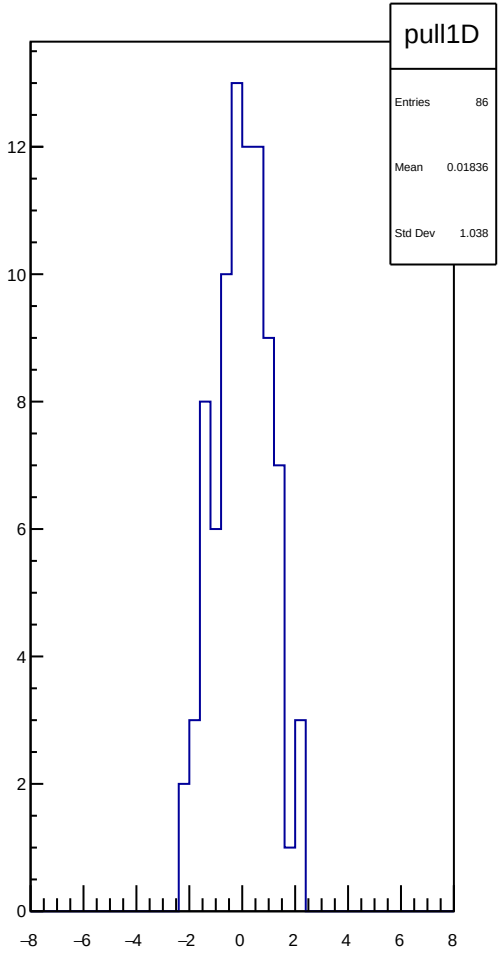

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 739 / 85
p0 6.071 ± 0.1723
pull
Entries 86
Mean 8.848
Std Dev 27.52

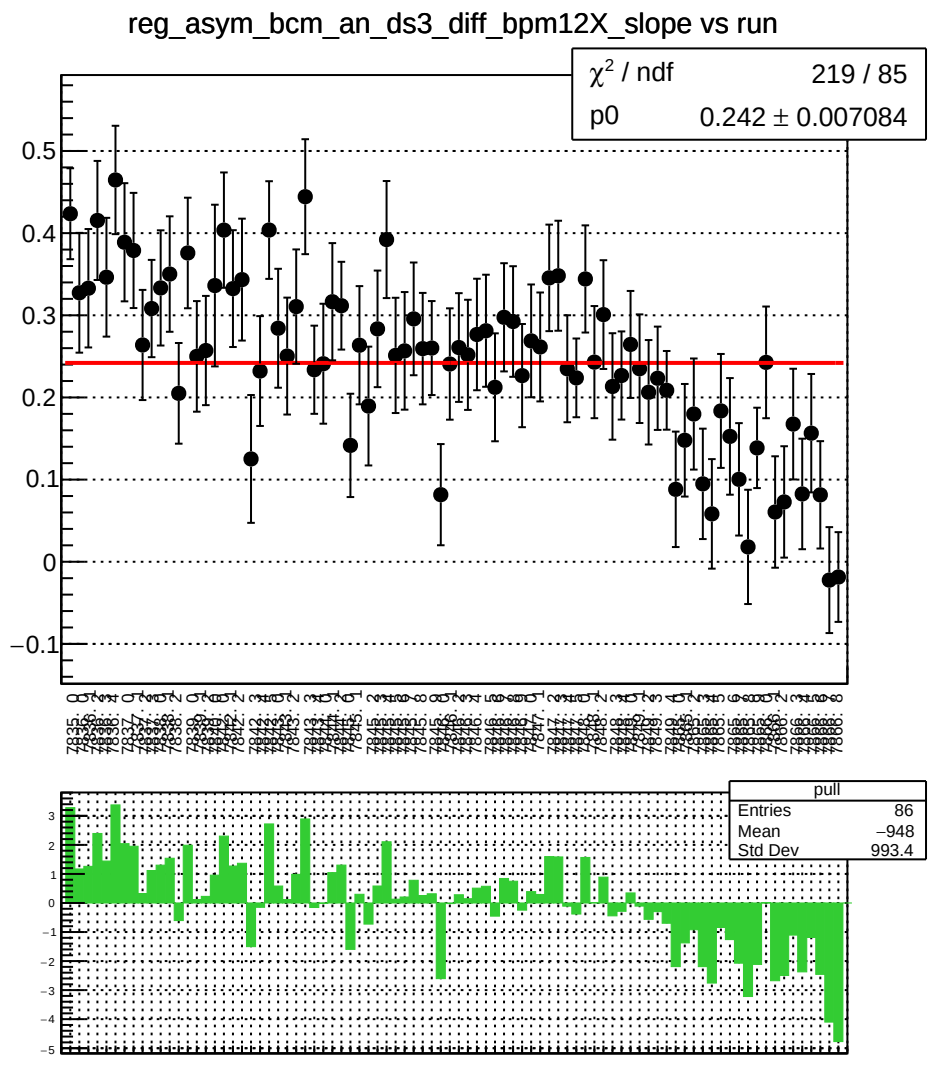

pull1D
Entries 86
Mean 1.253
Std Dev 2.085

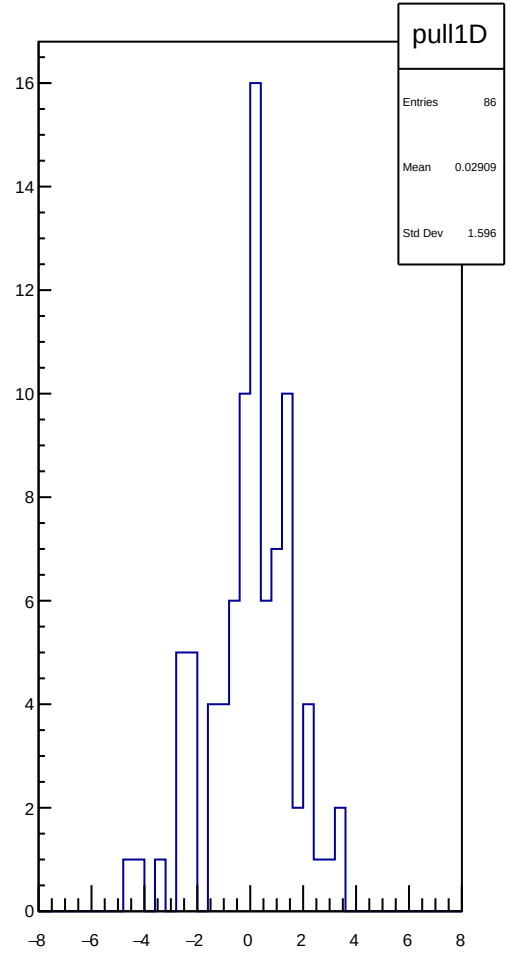

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 92.51 / 85
p0 −1.411 ± 0.2047
pull
Entries 86
Mean −129.2
Std Dev 173.1
pull1D
Entries 86
Mean −0.03903
Std Dev 1.036

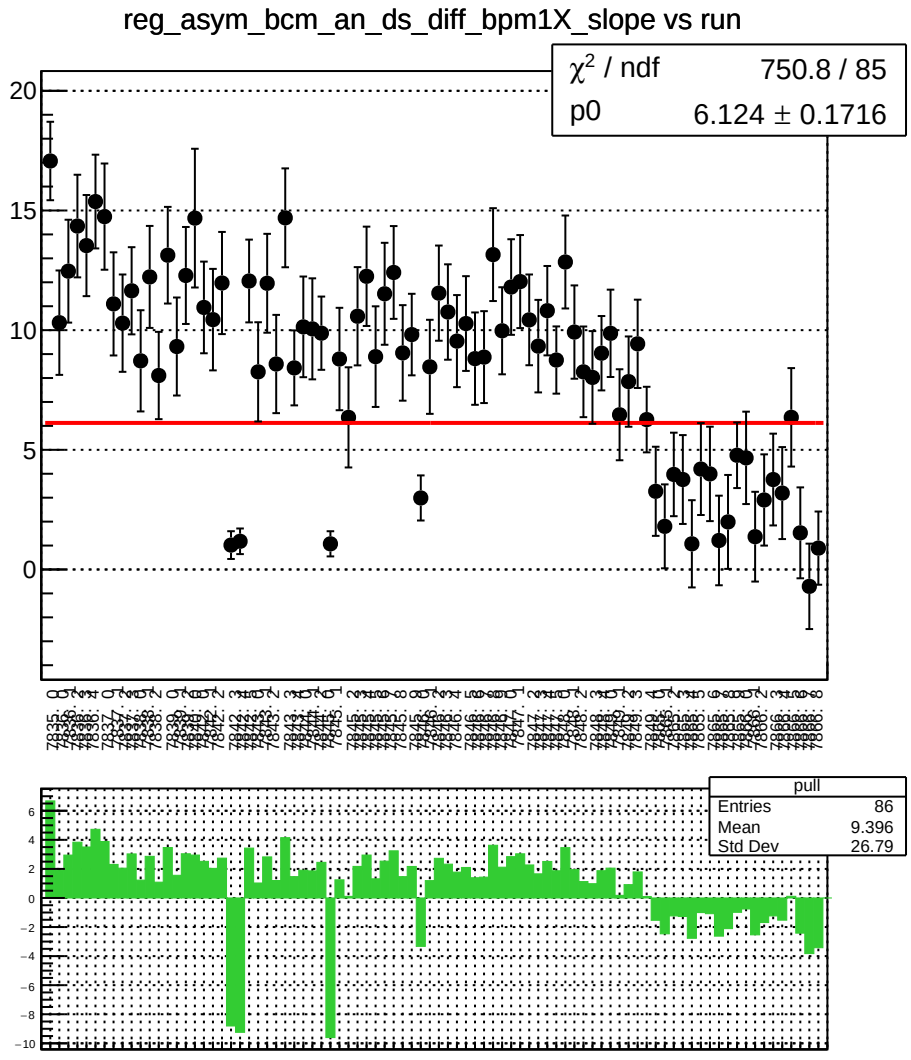

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 844.7 / 85
p0 −4.996 ± 0.1499
pull
Entries 86
Mean 16.51
Std Dev 16.25
pull1D
Entries 86
Mean −1.538
Std Dev 2.12

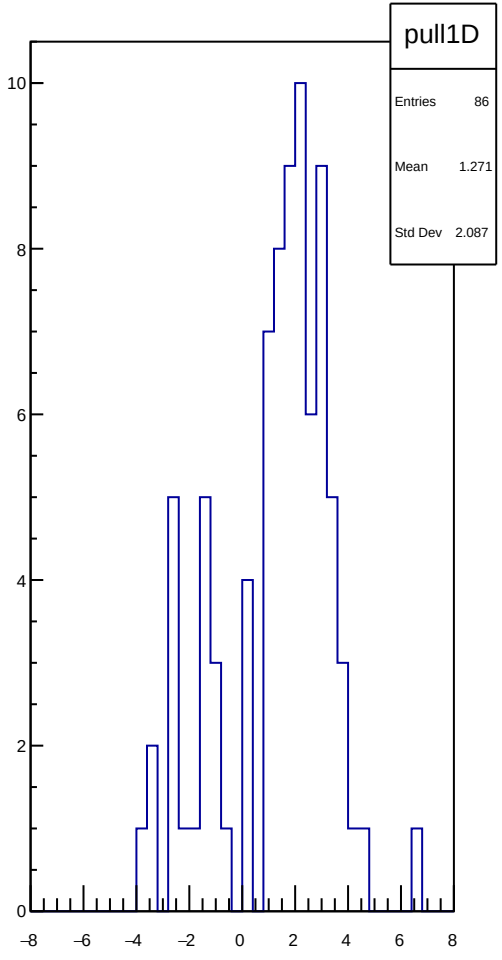

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 92.68 / 85
p0 1.38 ± 0.2367
pull
Entries 86
Mean −254.1
Std Dev 302.9

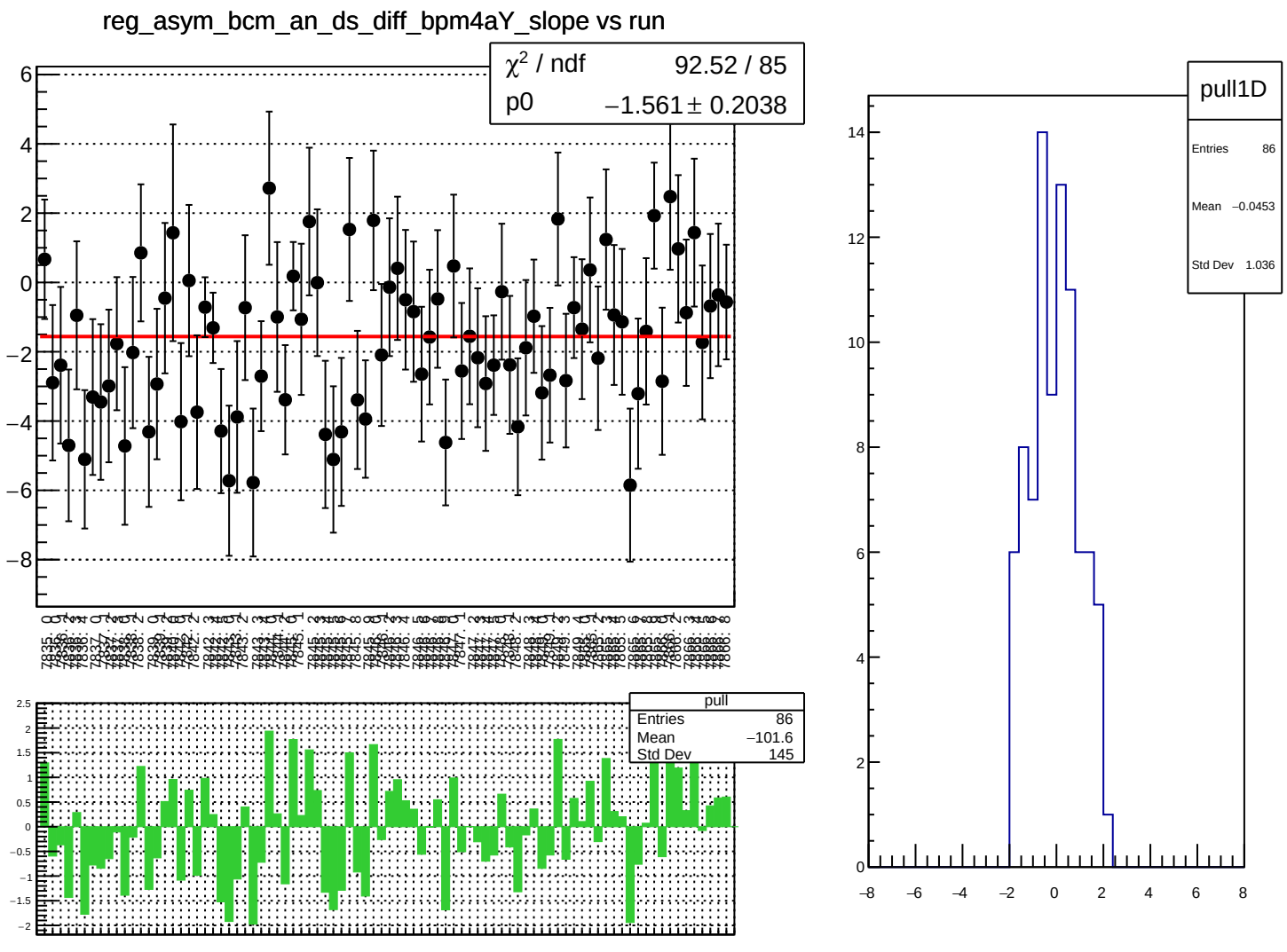

pull1D
Entries 86
Mean 0.01836
Std Dev 1.038

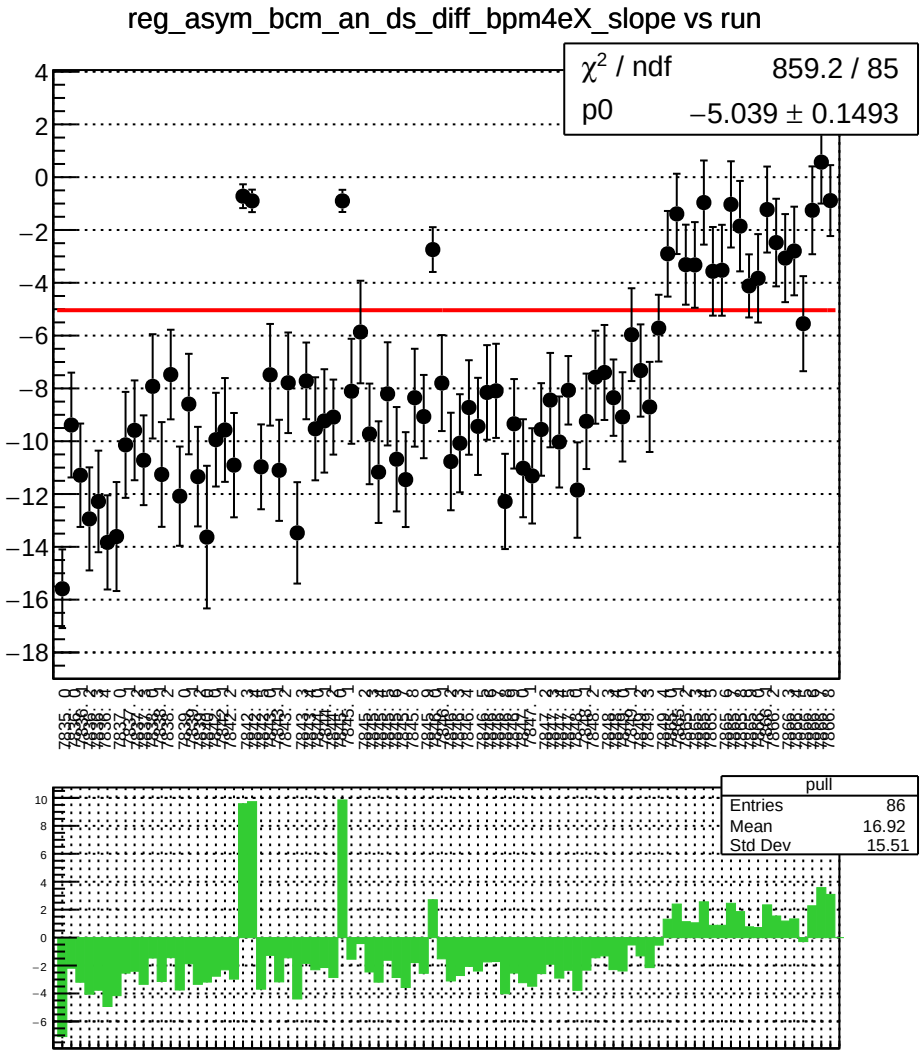

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 219 / 85
p0 0.242 ± 0.007084
pull
Entries 86
Mean −948
Std Dev 993.4

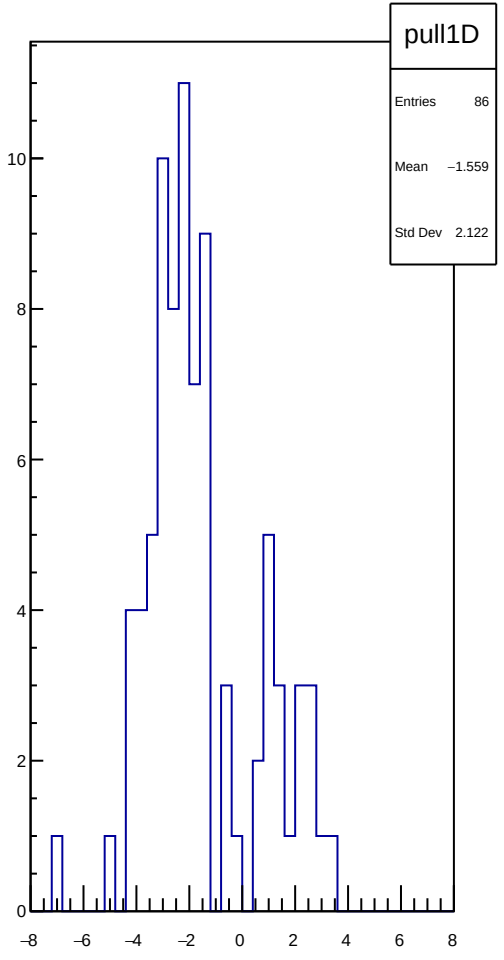

pull1D
Entries 86
Mean 0.02909
Std Dev 1.596

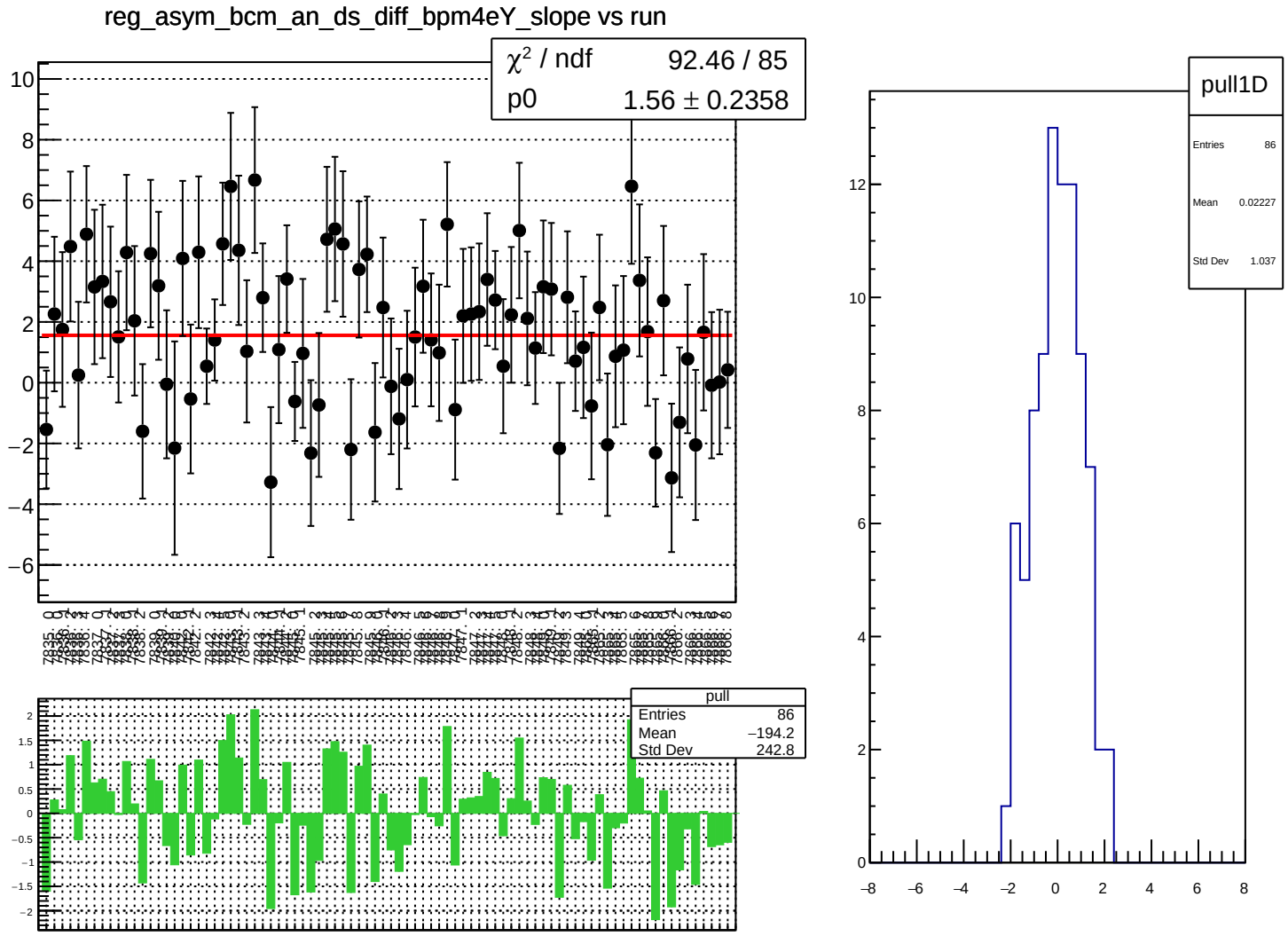

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 750.8 / 85
p0 6.124 ± 0.1716
pull
Entries 86
Mean 9.396
Std Dev 26.79

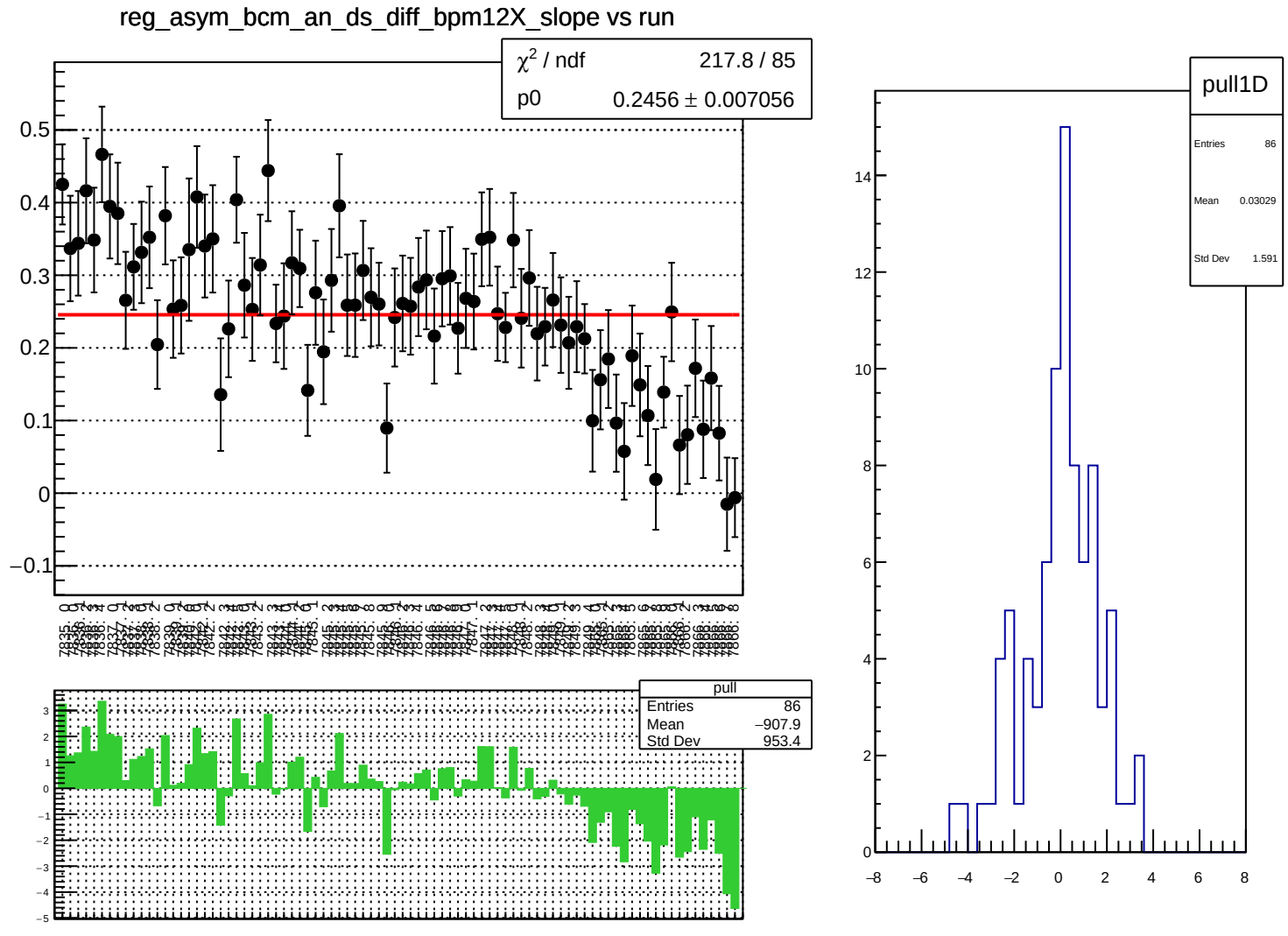

pull1D
Entries 86
Mean 1.271
Std Dev 2.087

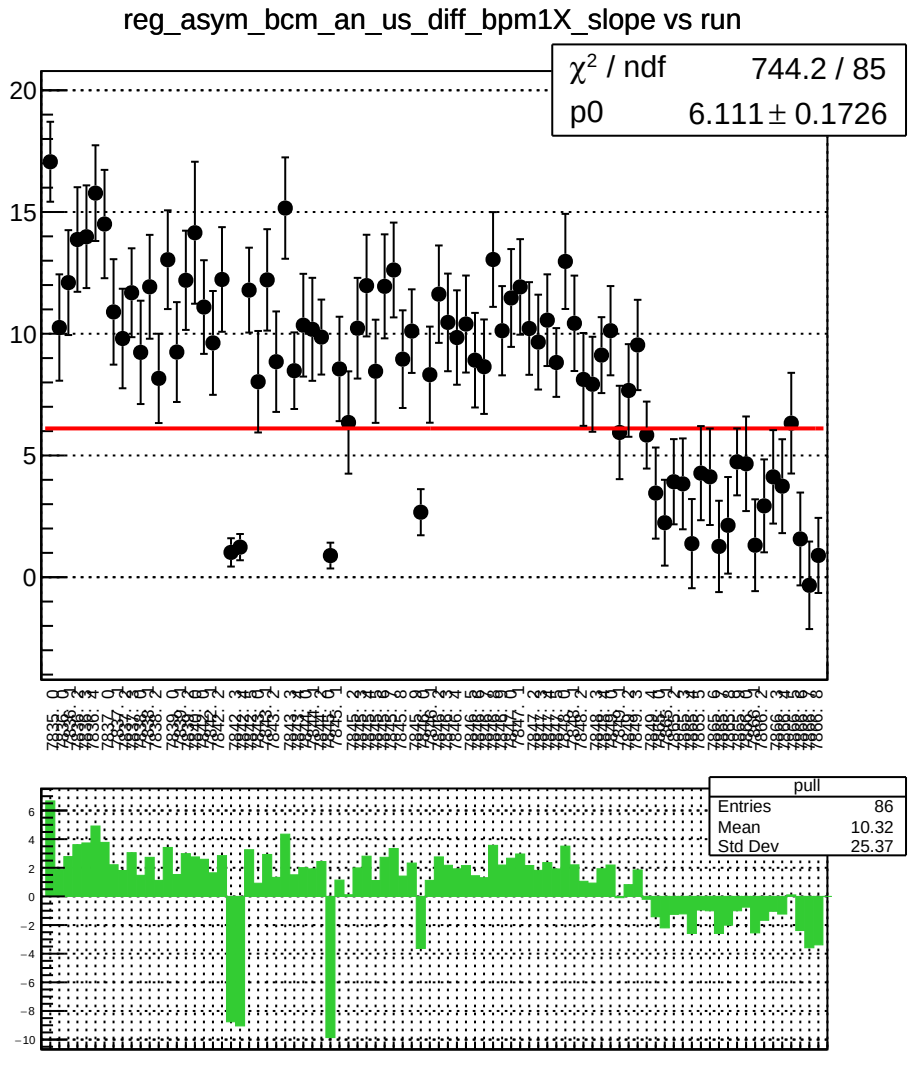

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 92.52 / 85
p0 −1.561 ± 0.2038
pull
Entries 86
Mean −101.6
Std Dev 145
pull1D
Entries 86
Mean −0.0453
Std Dev 1.036

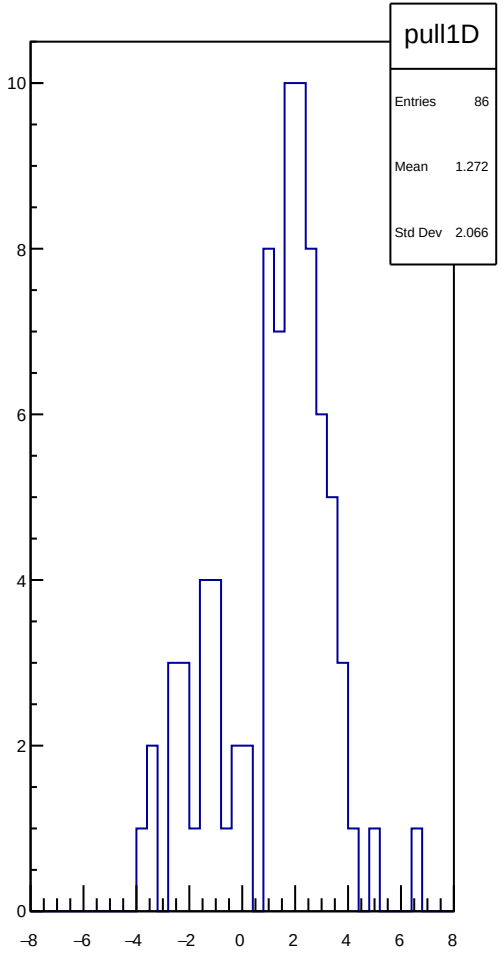

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 859.2 / 85
p0 −5.039 ± 0.1493
pull
Entries 86
Mean 16.92
Std Dev 15.51

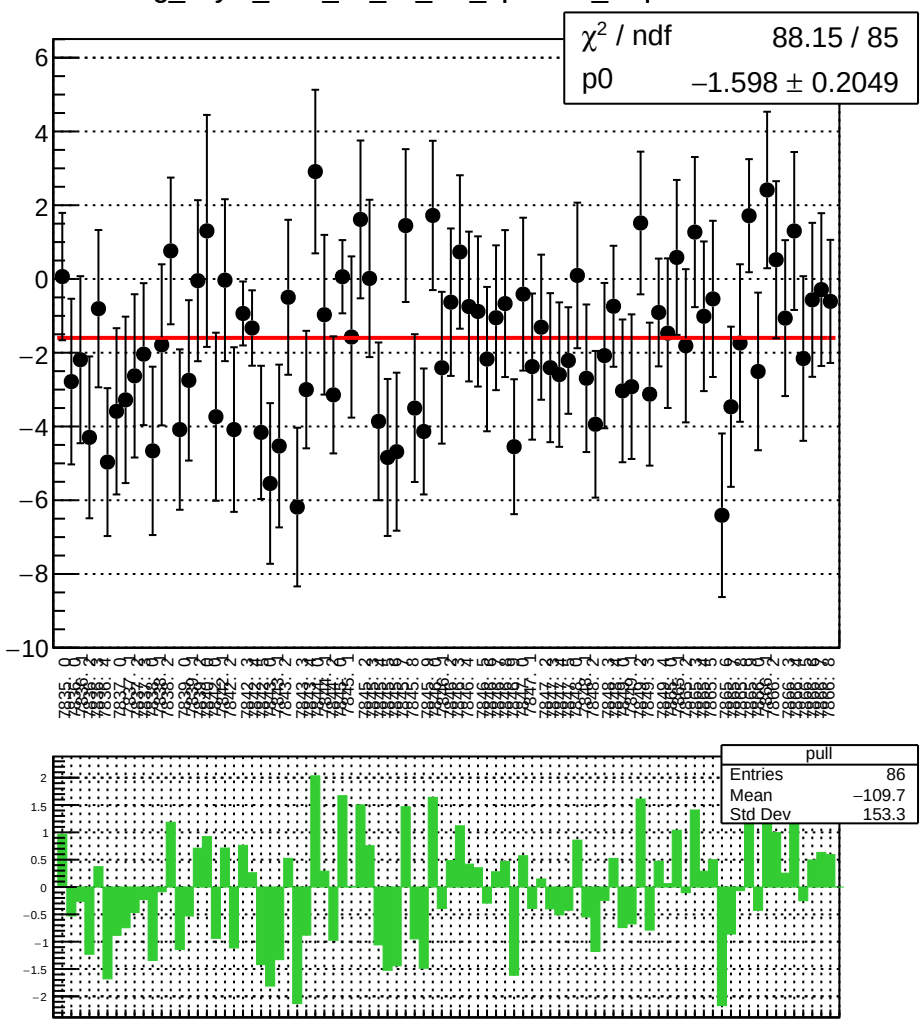

pull1D
Entries 86
Mean −1.559
Std Dev 2.122

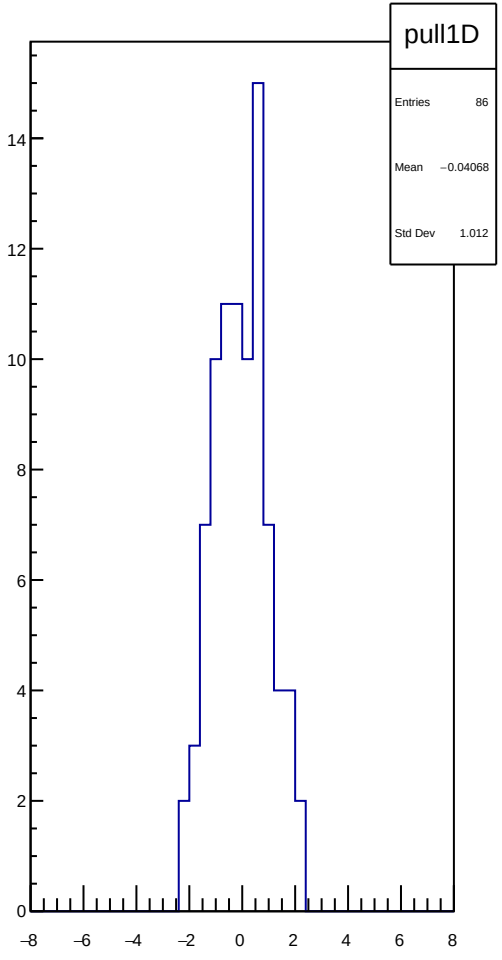

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 92.46 / 85
p0 1.56 ± 0.2358
pull
Entries 86
Mean −194.2
Std Dev 242.8
pull1D
Entries 86
Mean 0.02227
Std Dev 1.037

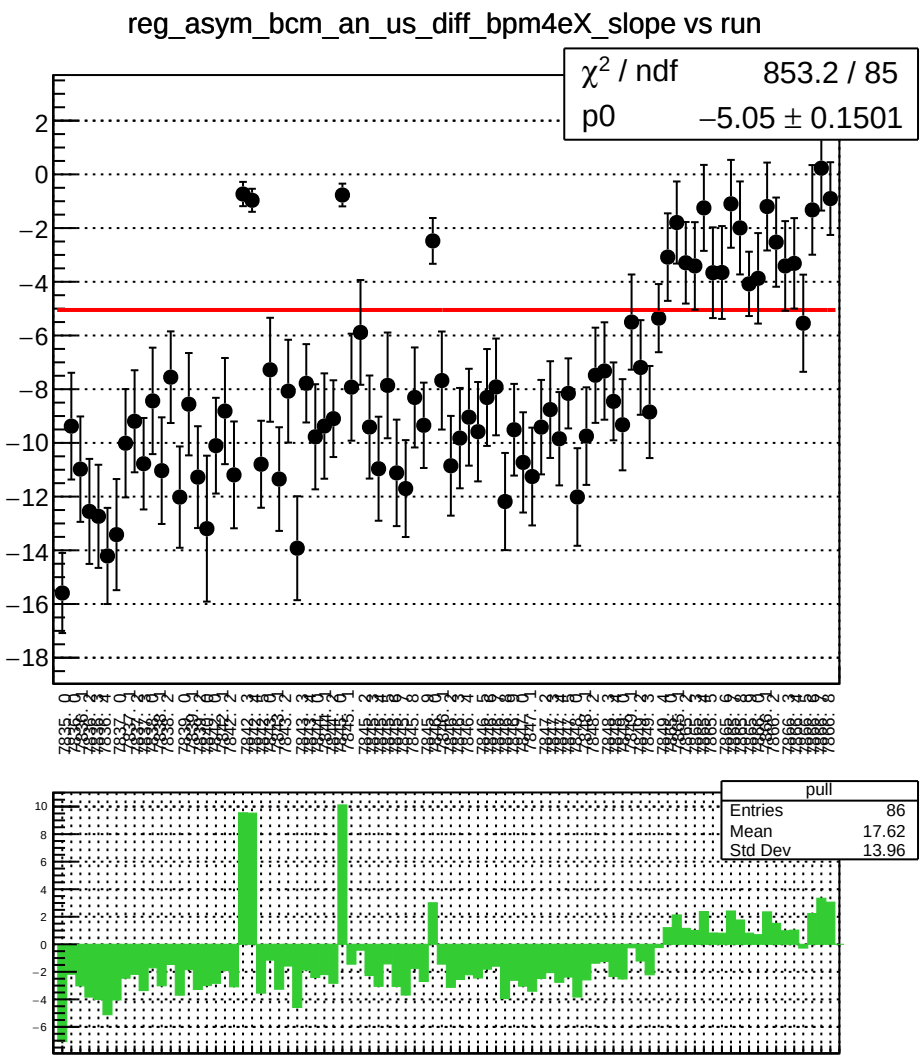

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 217.8 / 85
p0 0.2456 ± 0.007056
pull
Entries 86
Mean −907.9
Std Dev 953.4
pull1D
Entries 86
Mean 0.03029
Std Dev 1.591

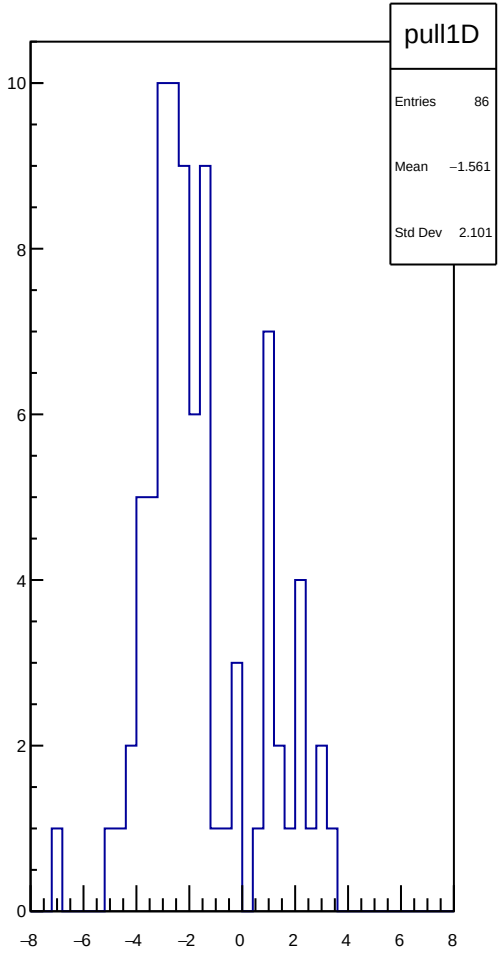

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 744.2 / 85
p0 6.111 ± 0.1726
pull
Entries 86
Mean 10.32
Std Dev 25.37

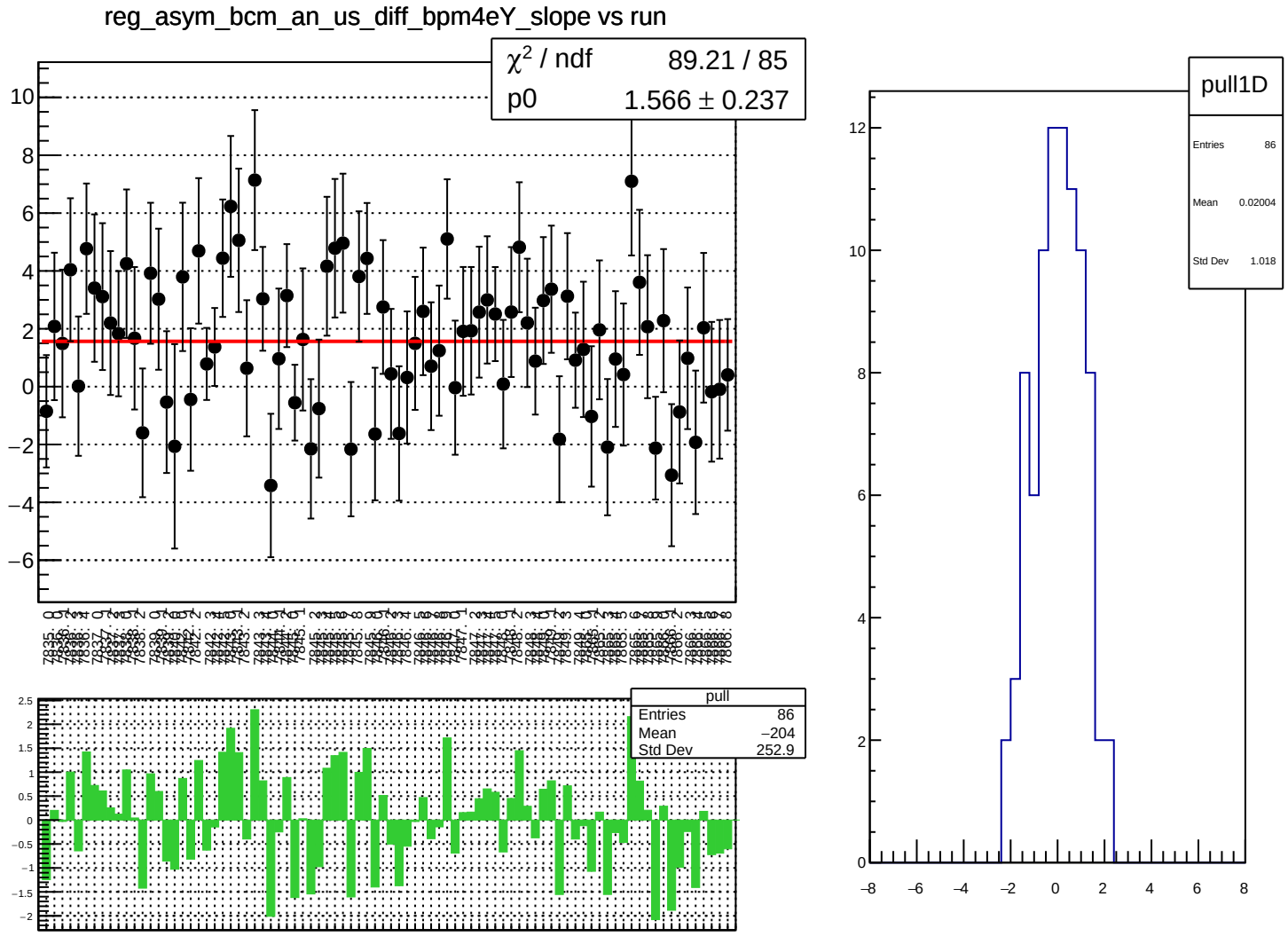

pull1D
Entries 86
Mean 1.272
Std Dev 2.066

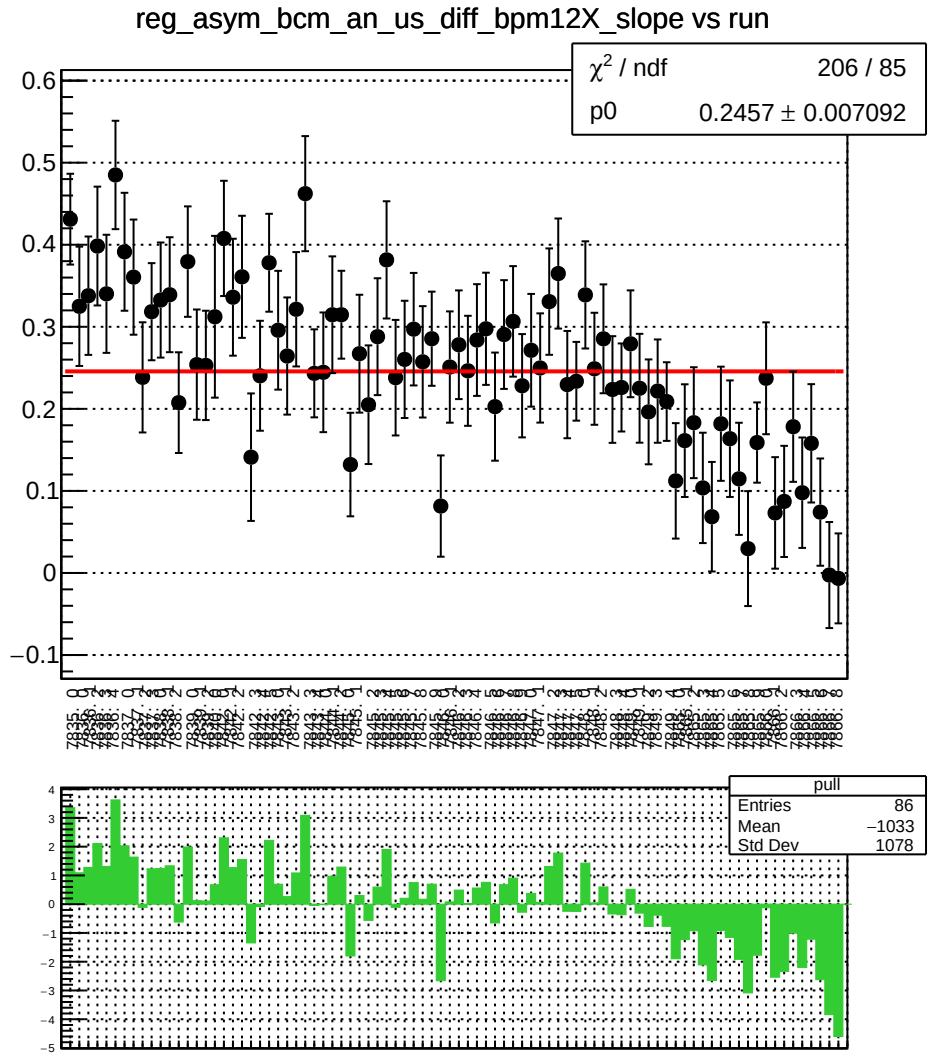

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 88.15 / 85
p0 −1.598 ± 0.2049
pull
Entries 86
Mean −109.7
Std Dev 153.3

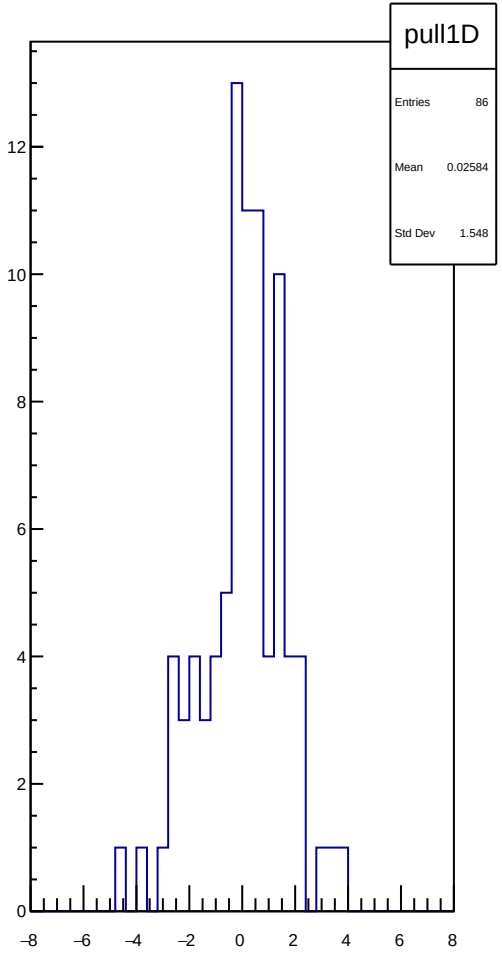

pull1D
Entries 86
Mean −0.04068
Std Dev 1.012

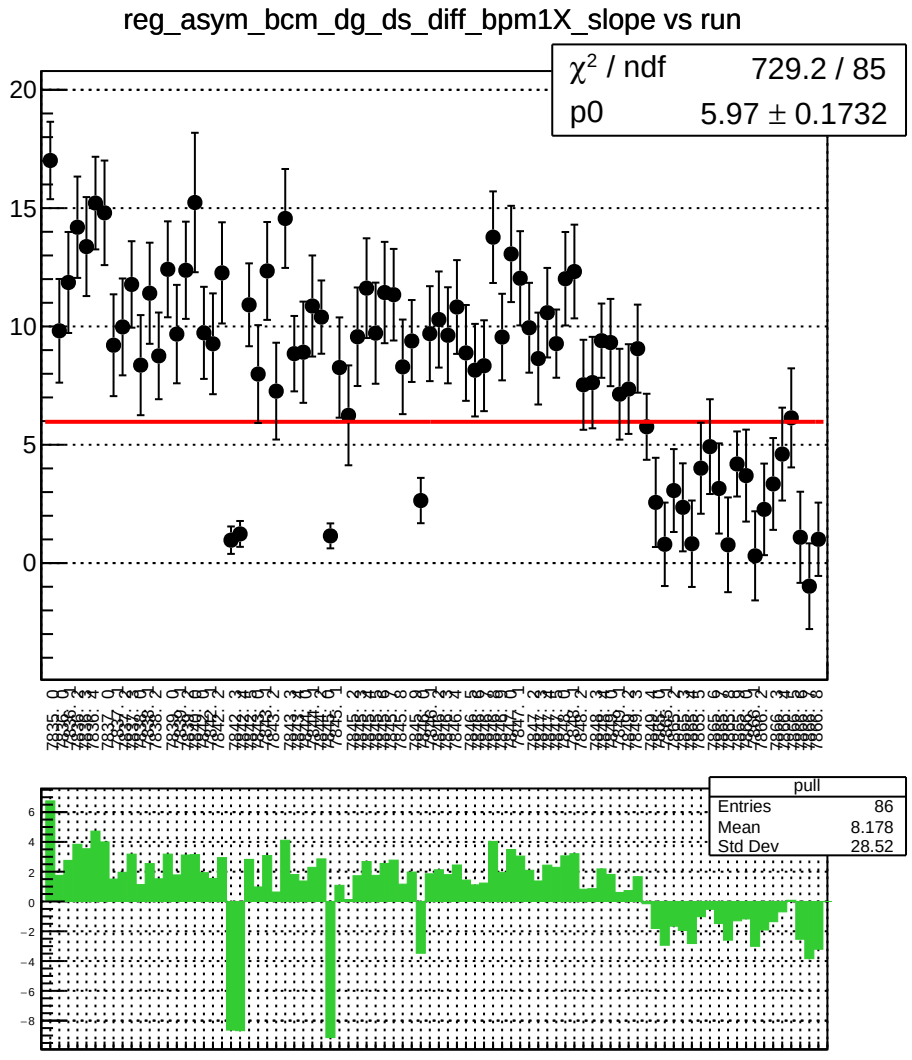

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 853.2 / 85
p0 −5.05 ± 0.1501
pull
Entries 86
Mean 17.62
Std Dev 13.96

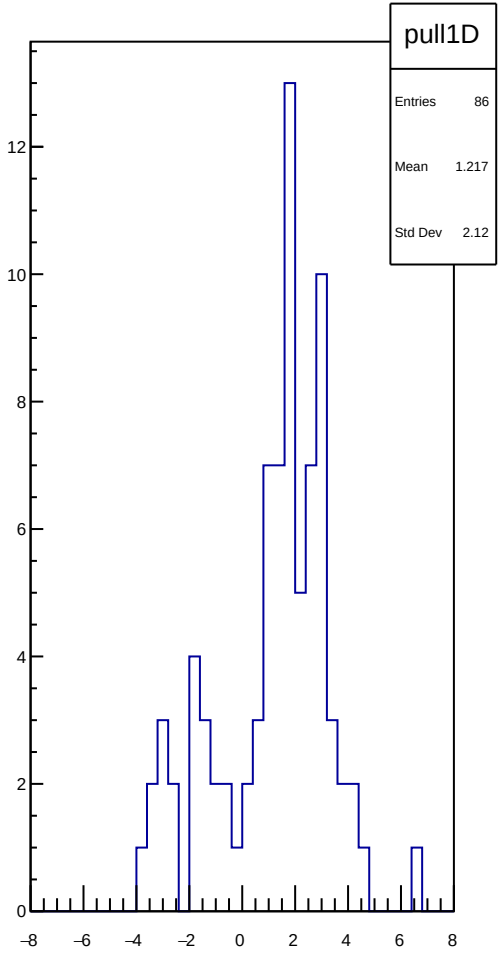

pull1D
Entries 86
Mean −1.561
Std Dev 2.101

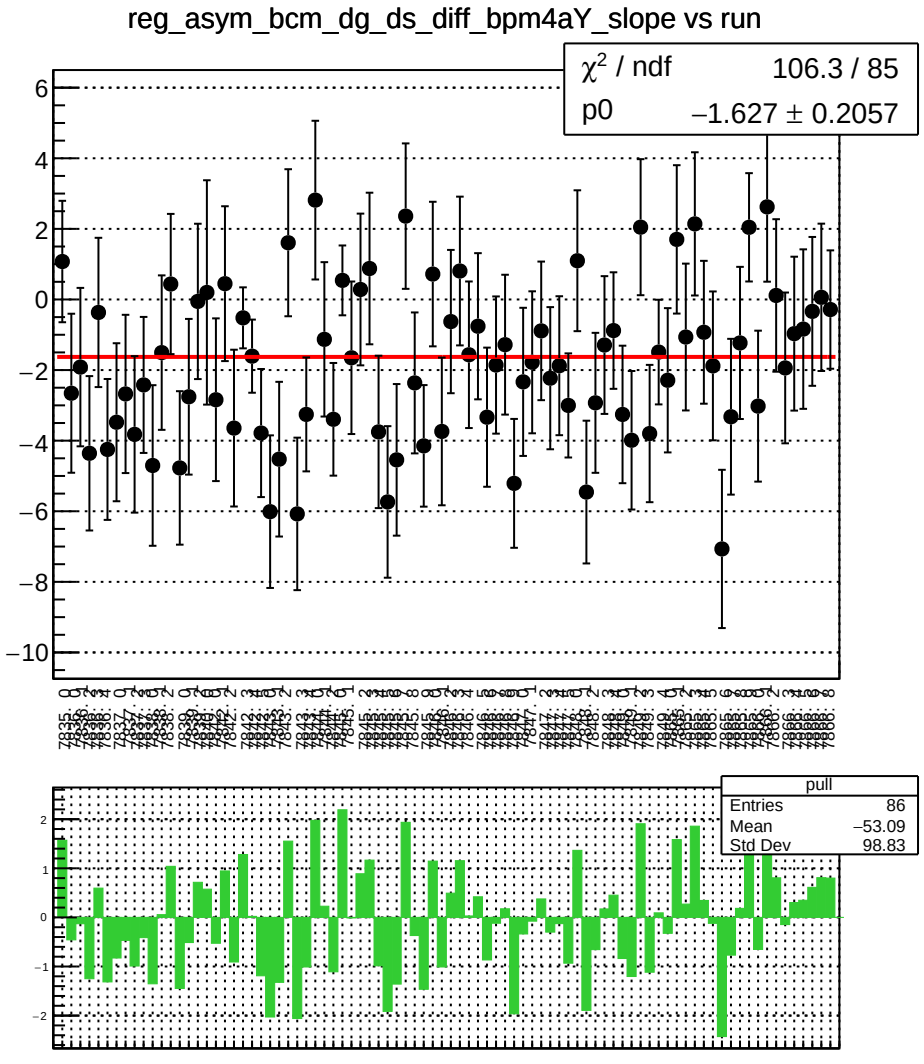

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 89.21 / 85
p0 1.566 ± 0.237
pull
Entries 86
Mean −204
Std Dev 252.9
pull1D
Entries 86
Mean 0.02004
Std Dev 1.018

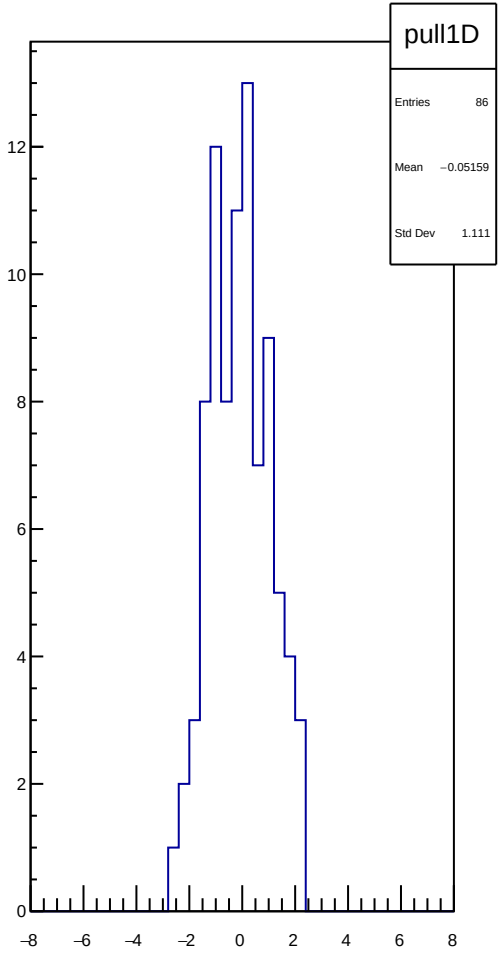

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 206 / 85
p0 0.2457 ± 0.007092
pull
Entries 86
Mean −1033
Std Dev 1078

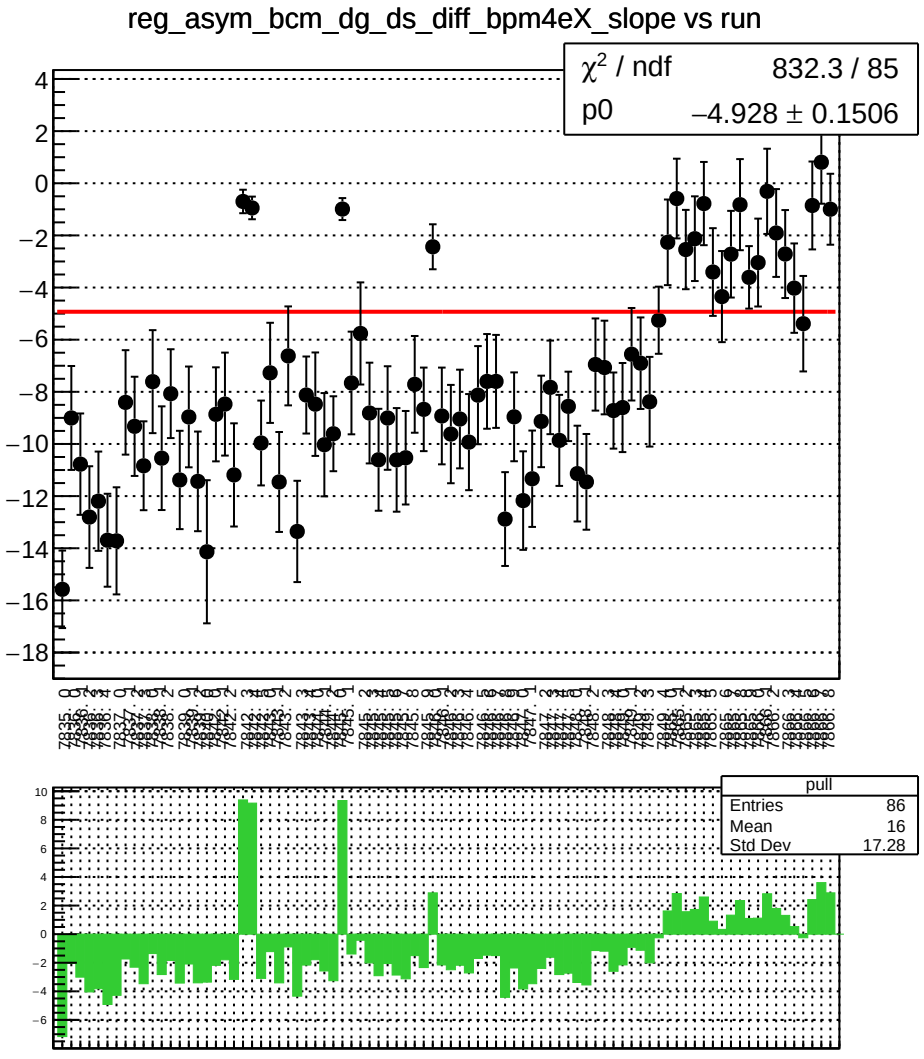

pull1D
Entries 86
Mean 0.02584
Std Dev 1.548

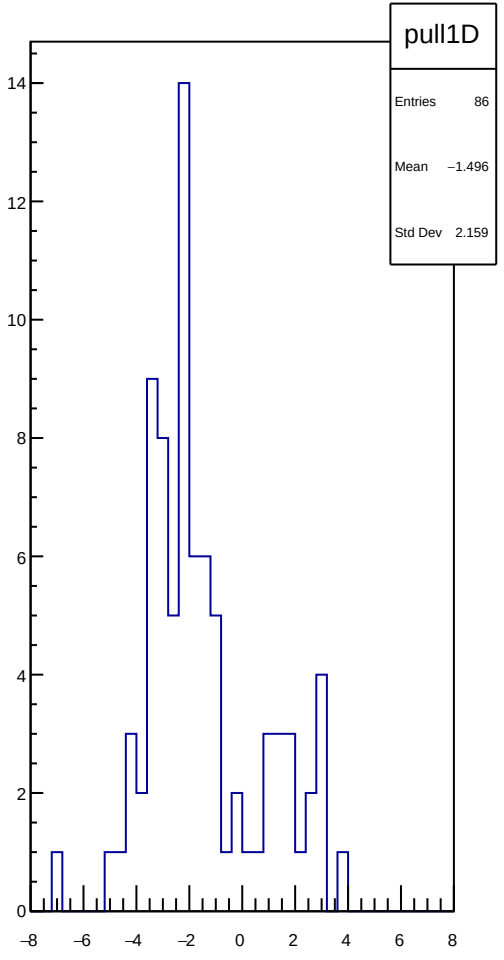

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 729.2 / 85
p0 5.97 ± 0.1732
pull
Entries 86
Mean 8.178
Std Dev 28.52

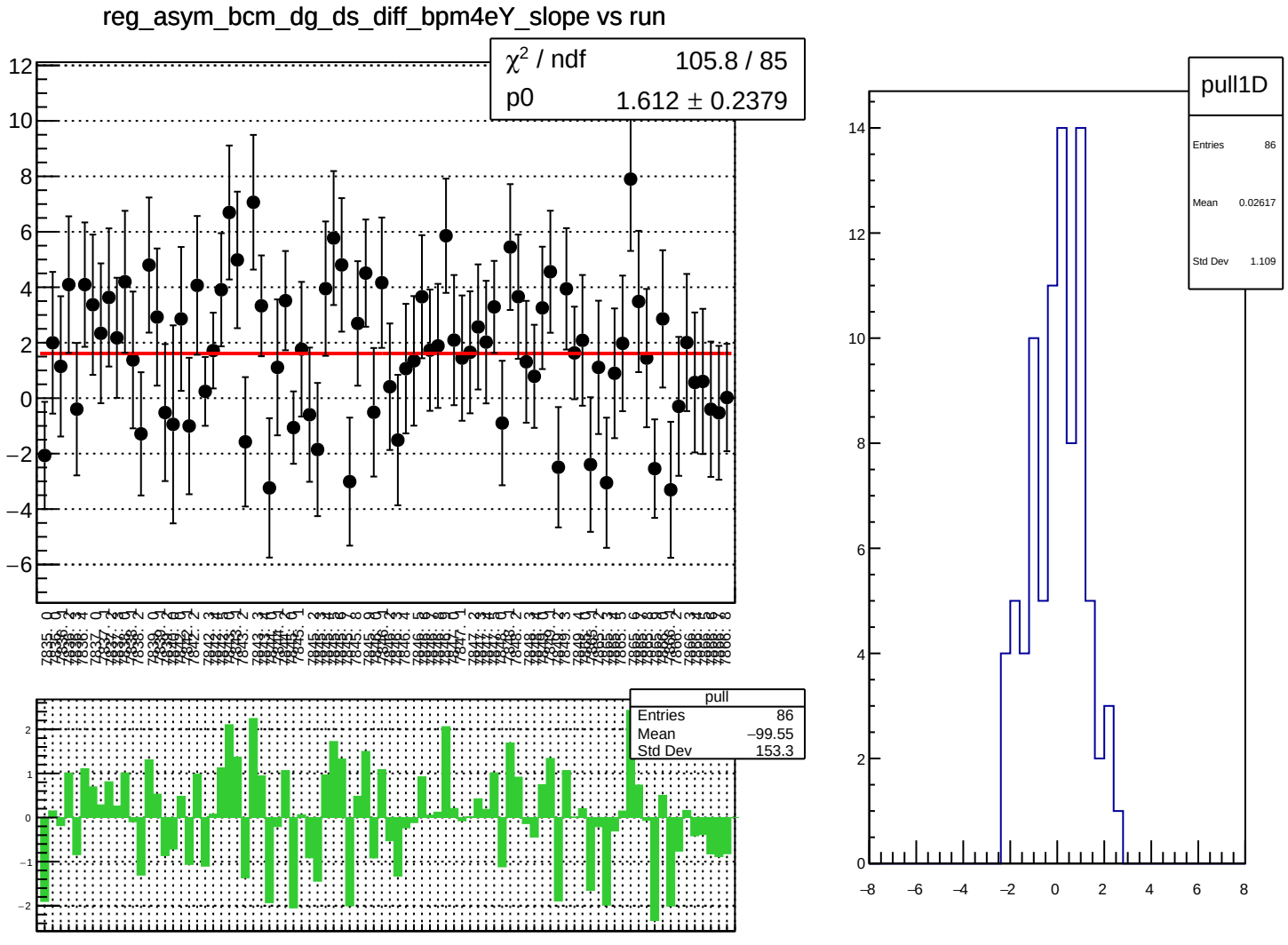

pull1D
Entries 86
Mean 1.217
Std Dev 2.12

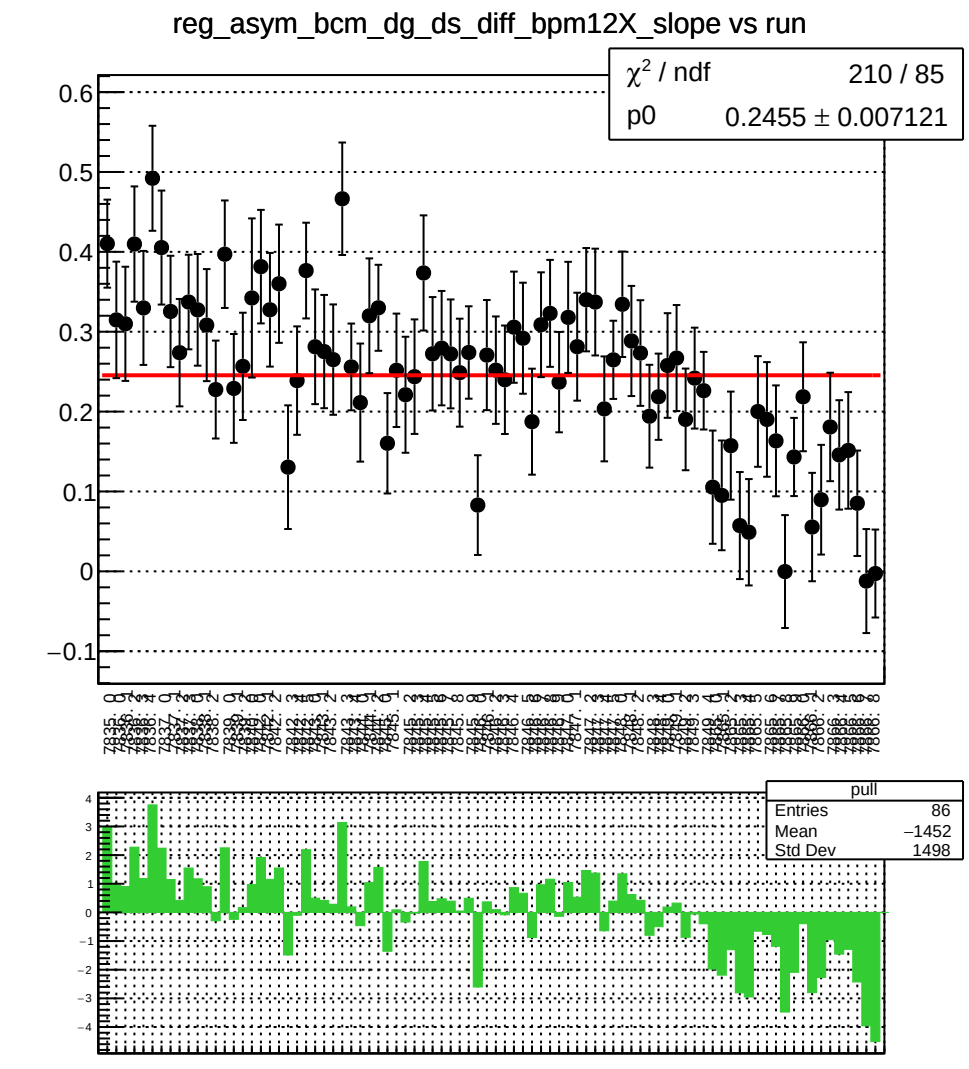

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 106.3 / 85
p0 −1.627 ± 0.2057
pull
Entries 86
Mean −53.09
Std Dev 98.83

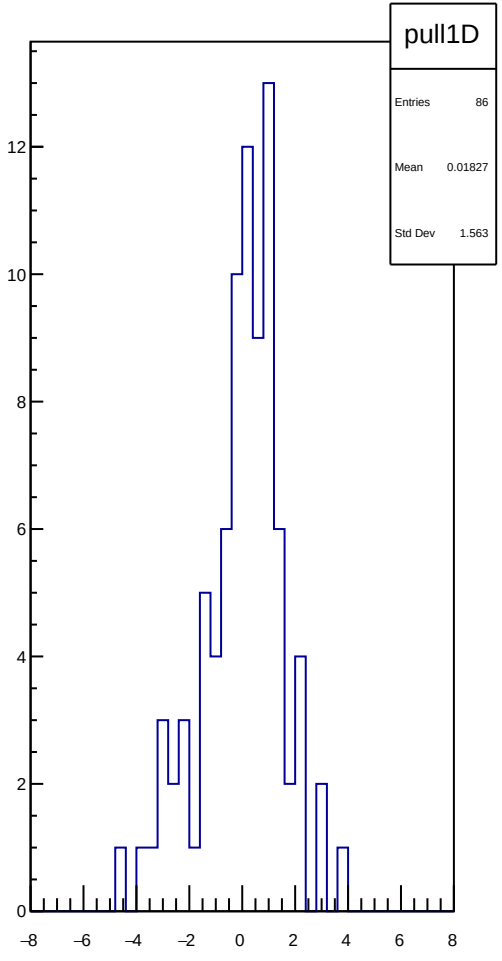

pull1D
Entries 86
Mean −0.05159
Std Dev 1.111

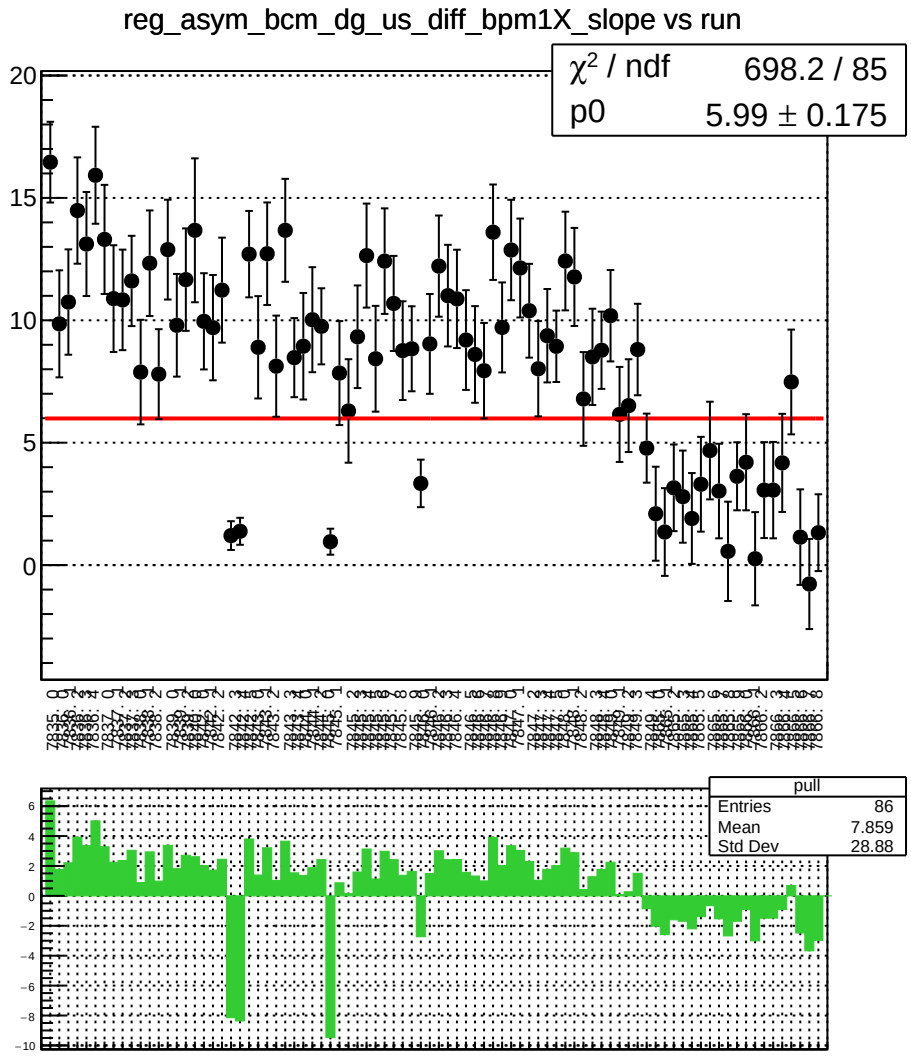

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 832.3 / 85
p0 −4.928 ± 0.1506
pull
Entries 86
Mean 16
Std Dev 17.28

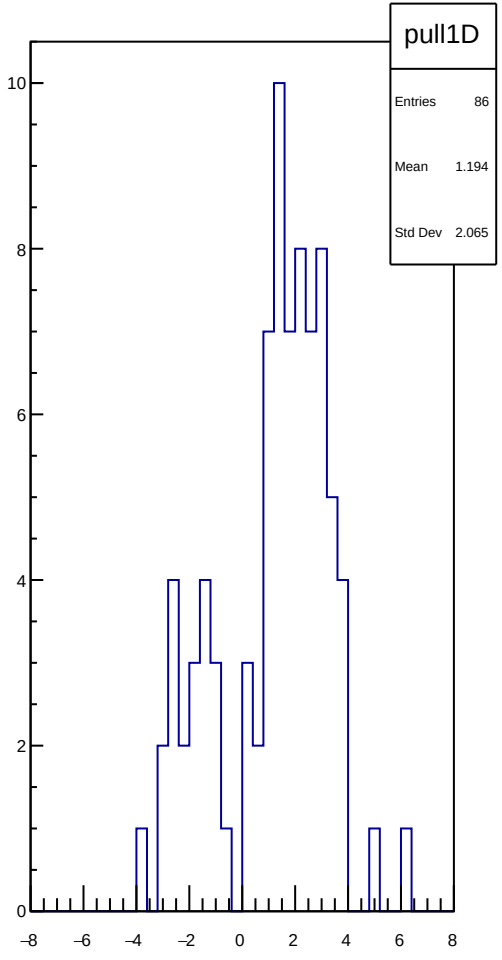

pull1D
Entries 86
Mean −1.496
Std Dev 2.159

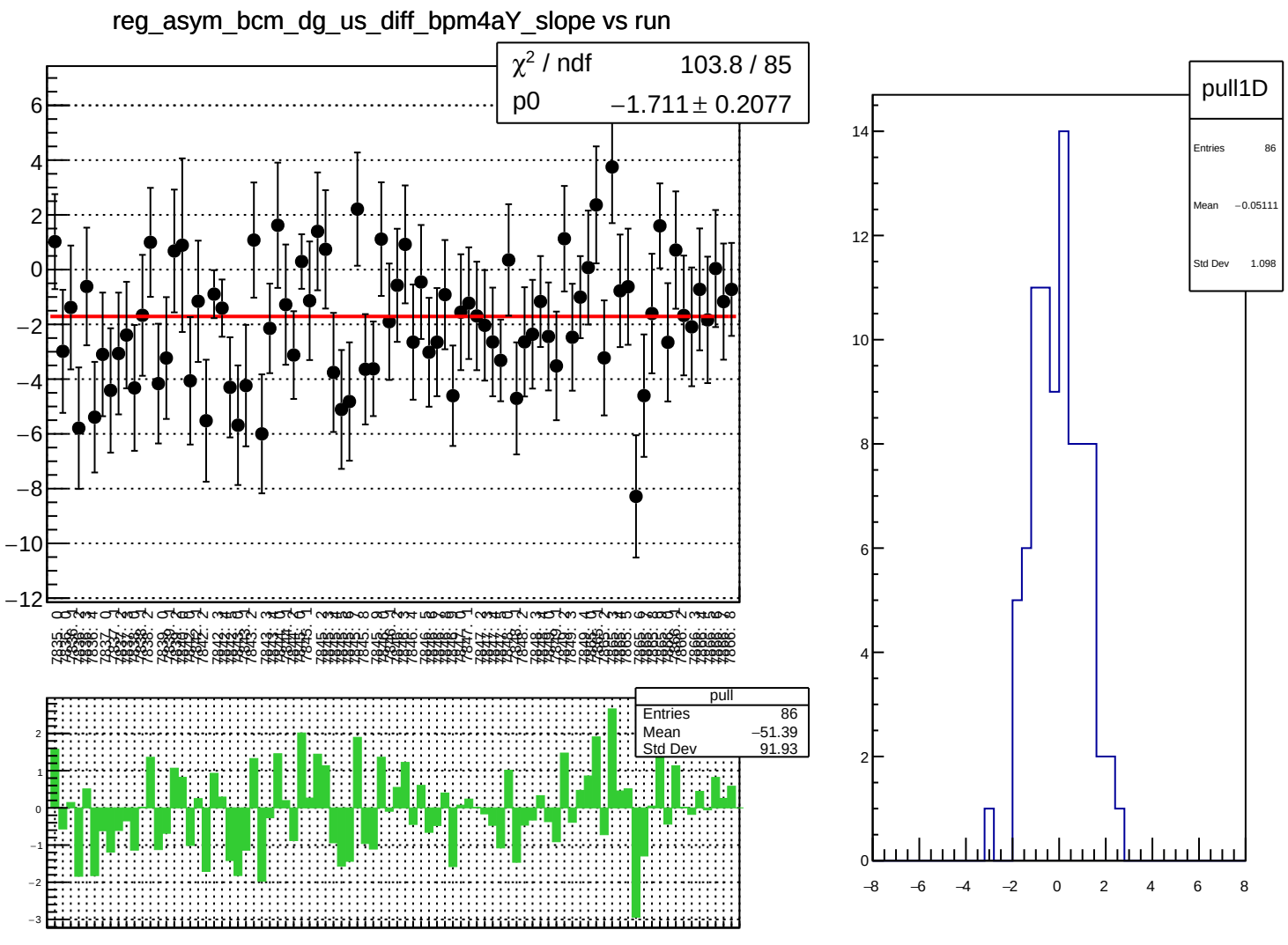

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 105.8 / 85
p0 1.612 ± 0.2379
pull
Entries 86
Mean −99.55
Std Dev 153.3
pull1D
Entries 86
Mean 0.02617
Std Dev 1.109

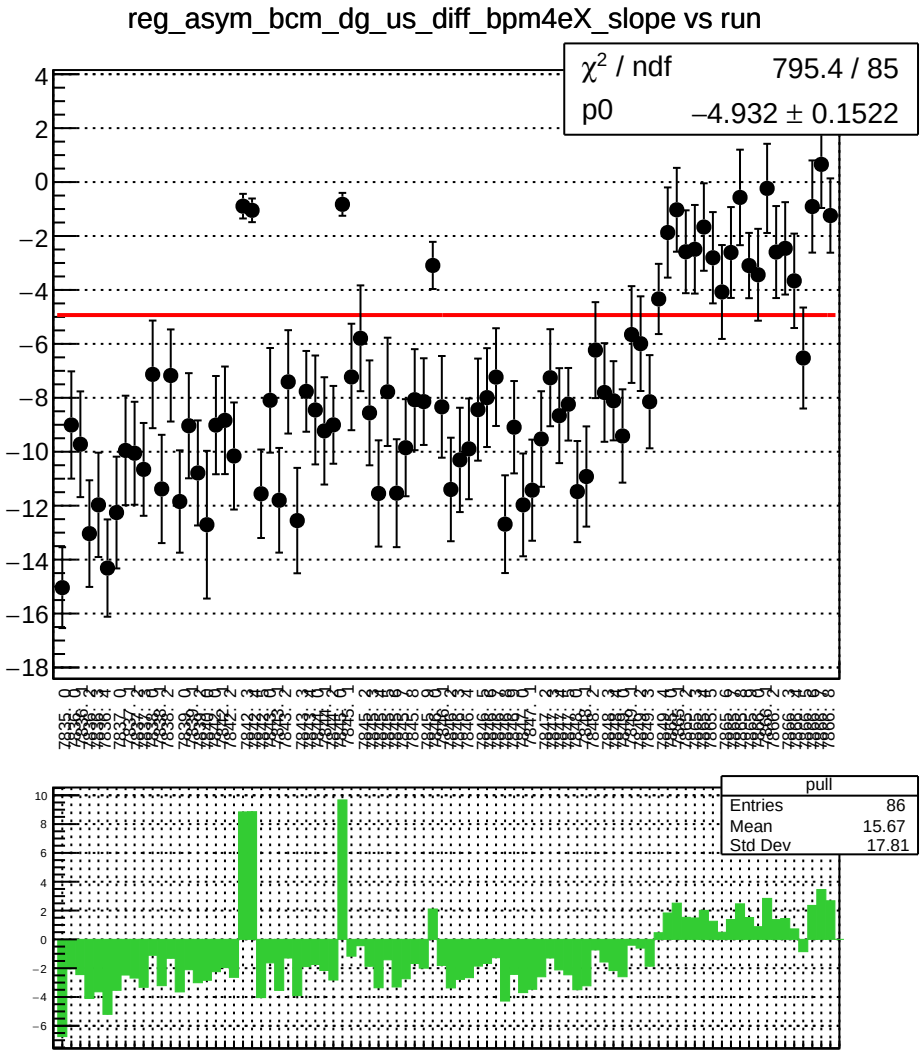

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 210 / 85
p0 0.2455 ± 0.007121
pull
Entries 86
Mean −1452
Std Dev 1498

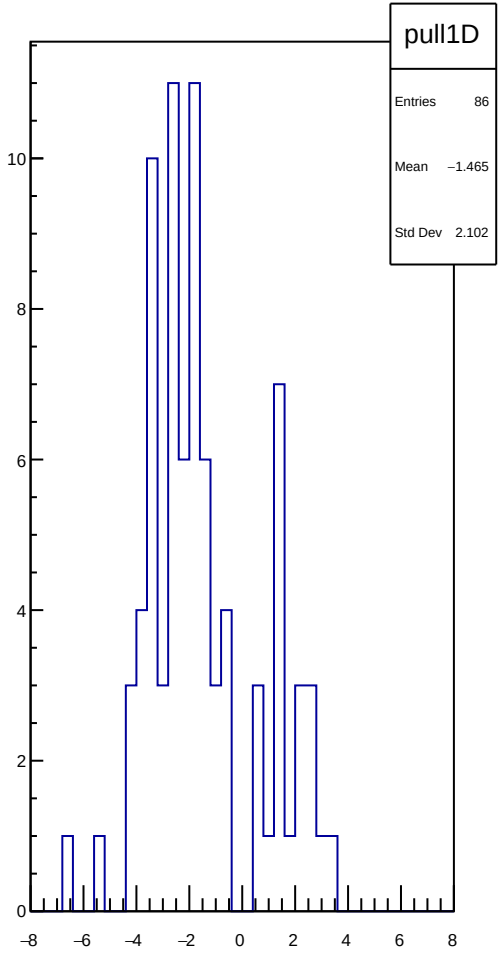

pull1D
Entries 86
Mean 0.01827
Std Dev 1.563

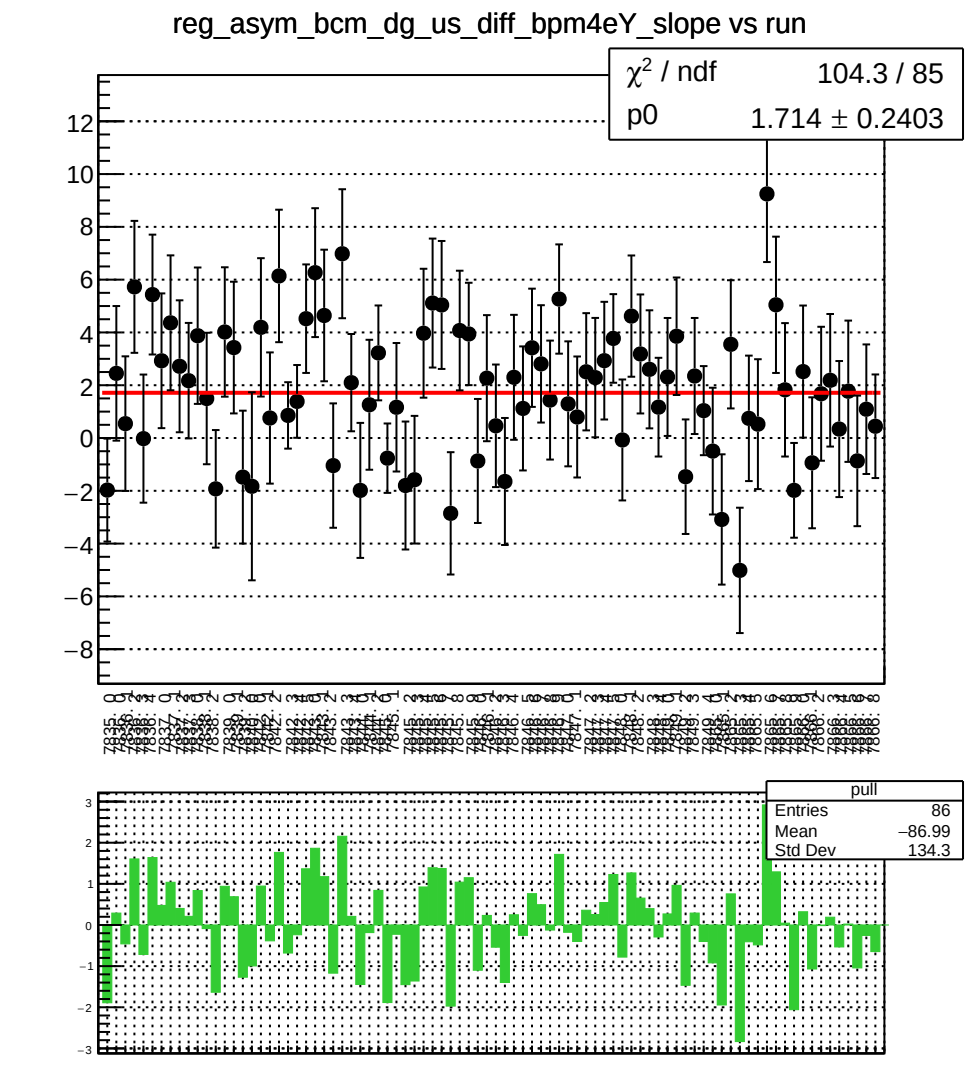

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 698.2 / 85
p0 5.99 ± 0.175
pull
Entries 86
Mean 7.859
Std Dev 28.88

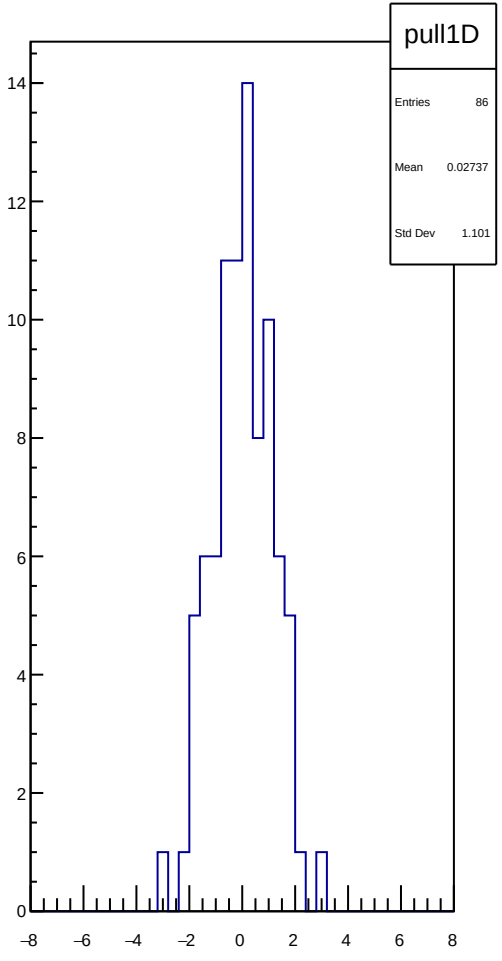

pull1D
Entries 86
Mean 1.194
Std Dev 2.065

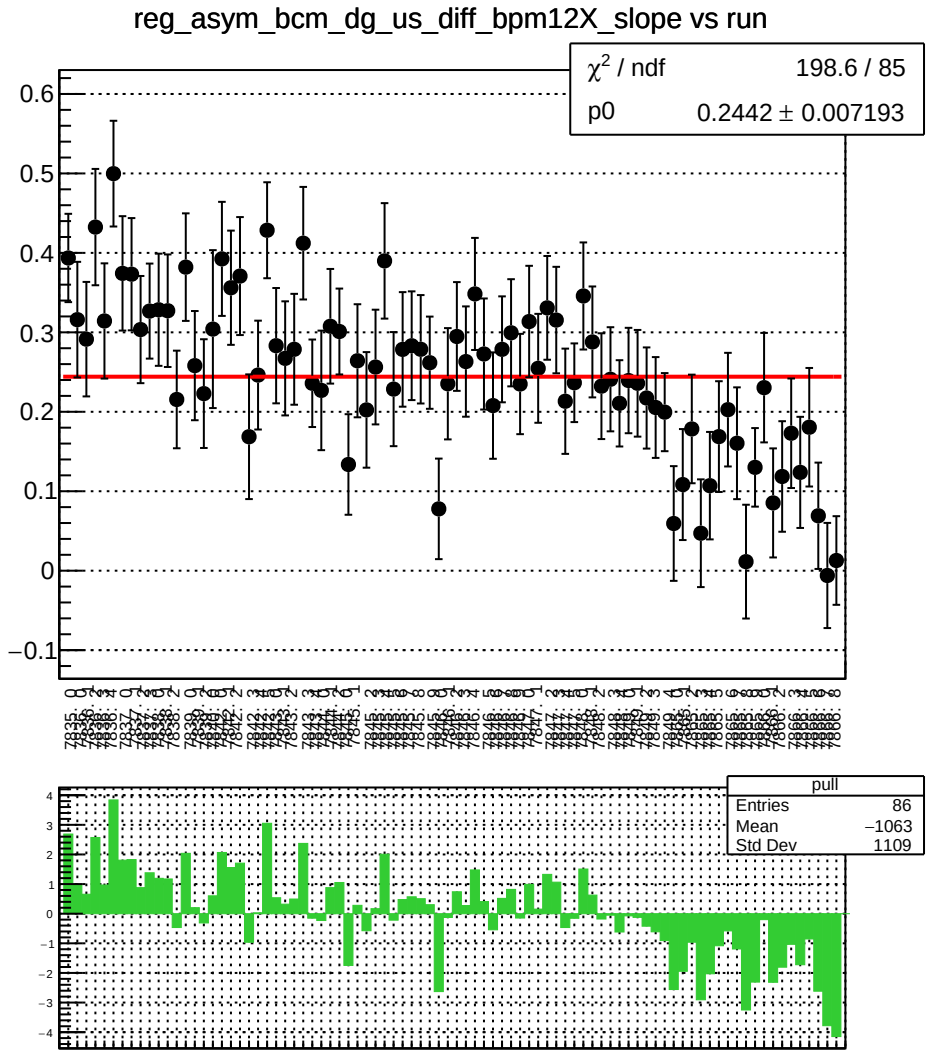

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 103.8 / 85
p0 −1.711 ± 0.2077
pull
Entries 86
Mean −51.39
Std Dev 91.93
pull1D
Entries 86
Mean −0.05111
Std Dev 1.098

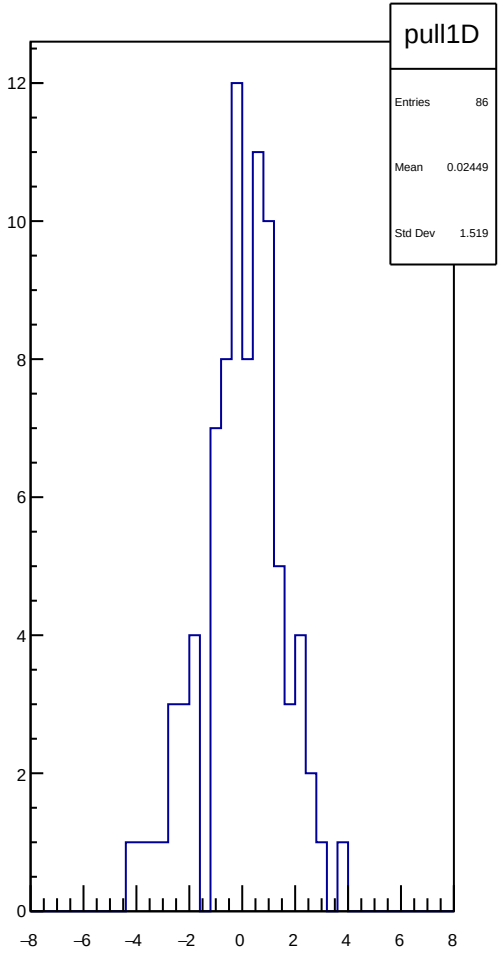

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 795.4 / 85
p0 −4.932 ± 0.1522
pull
Entries 86
Mean 15.67
Std Dev 17.81


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