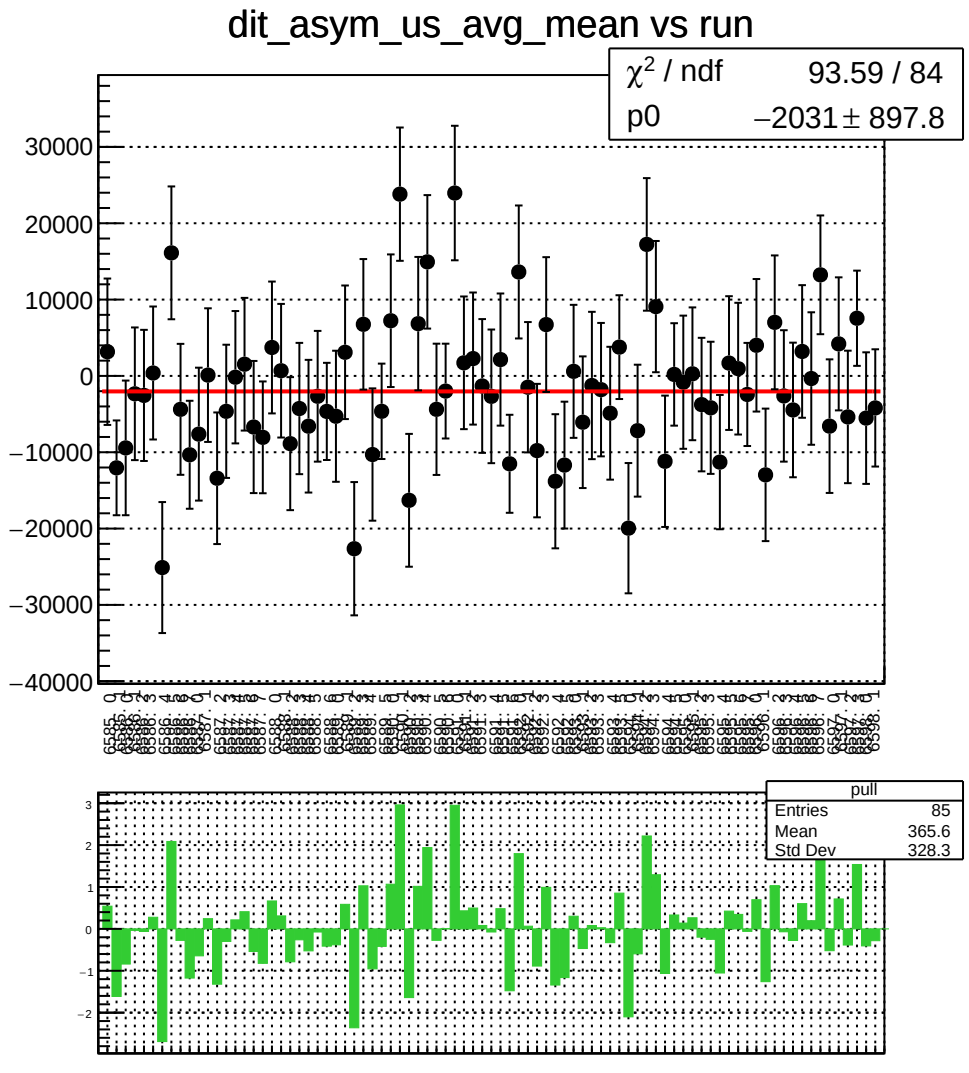
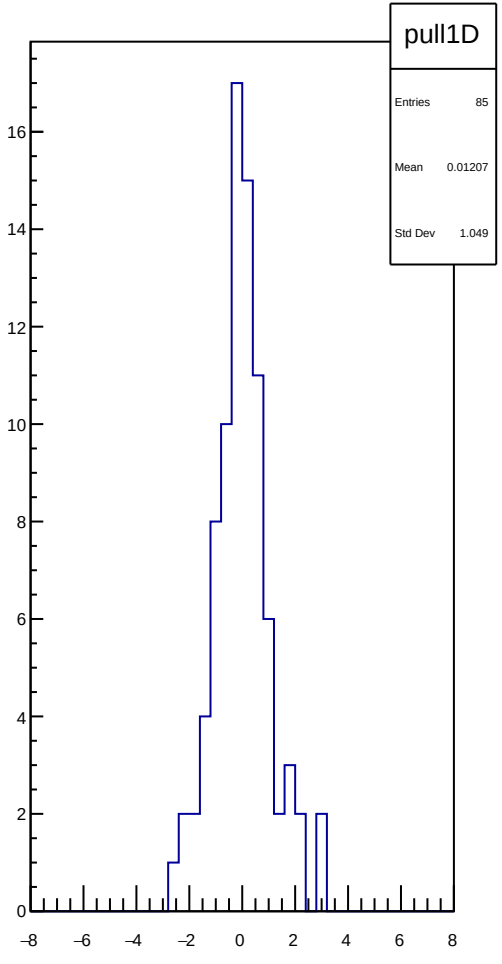
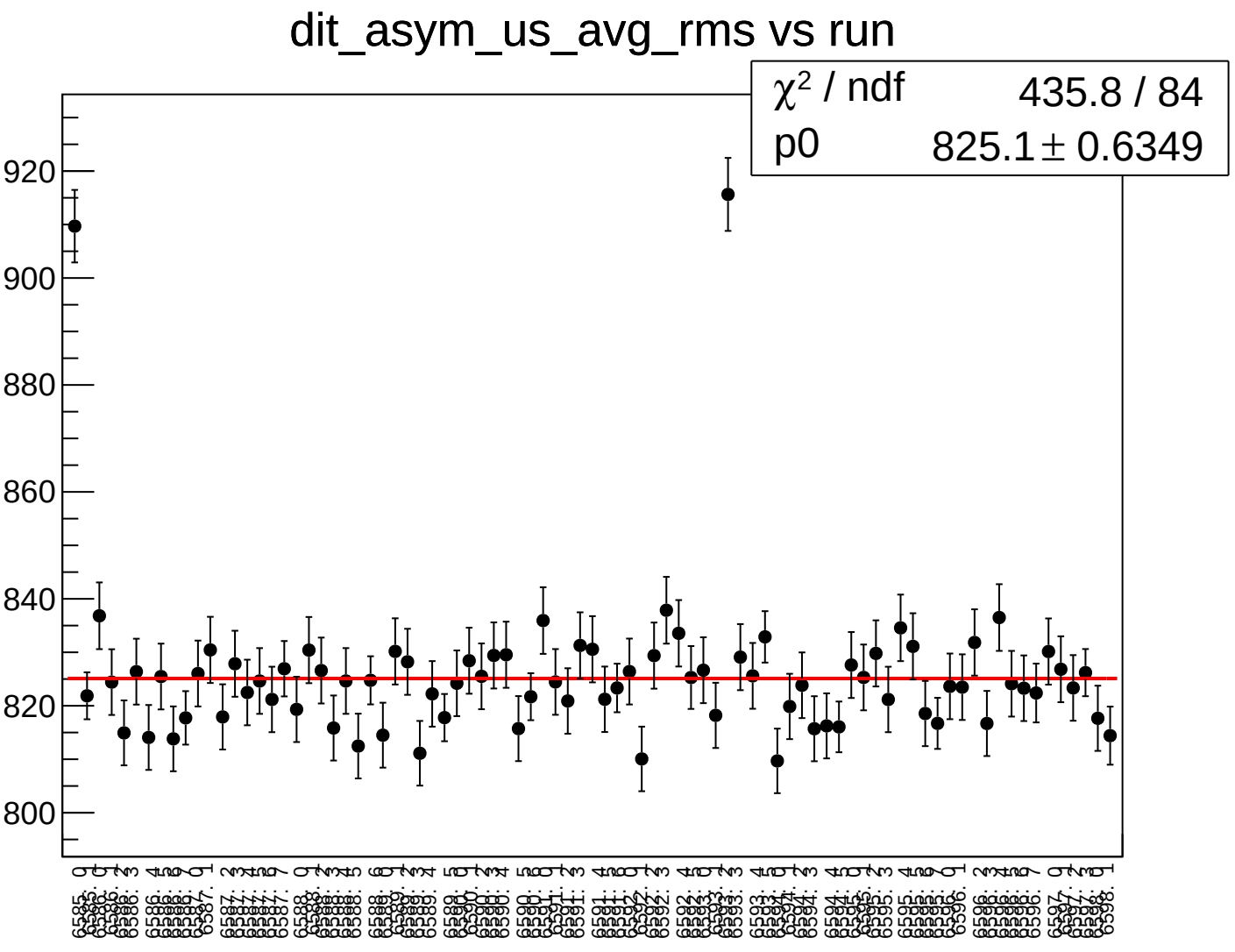
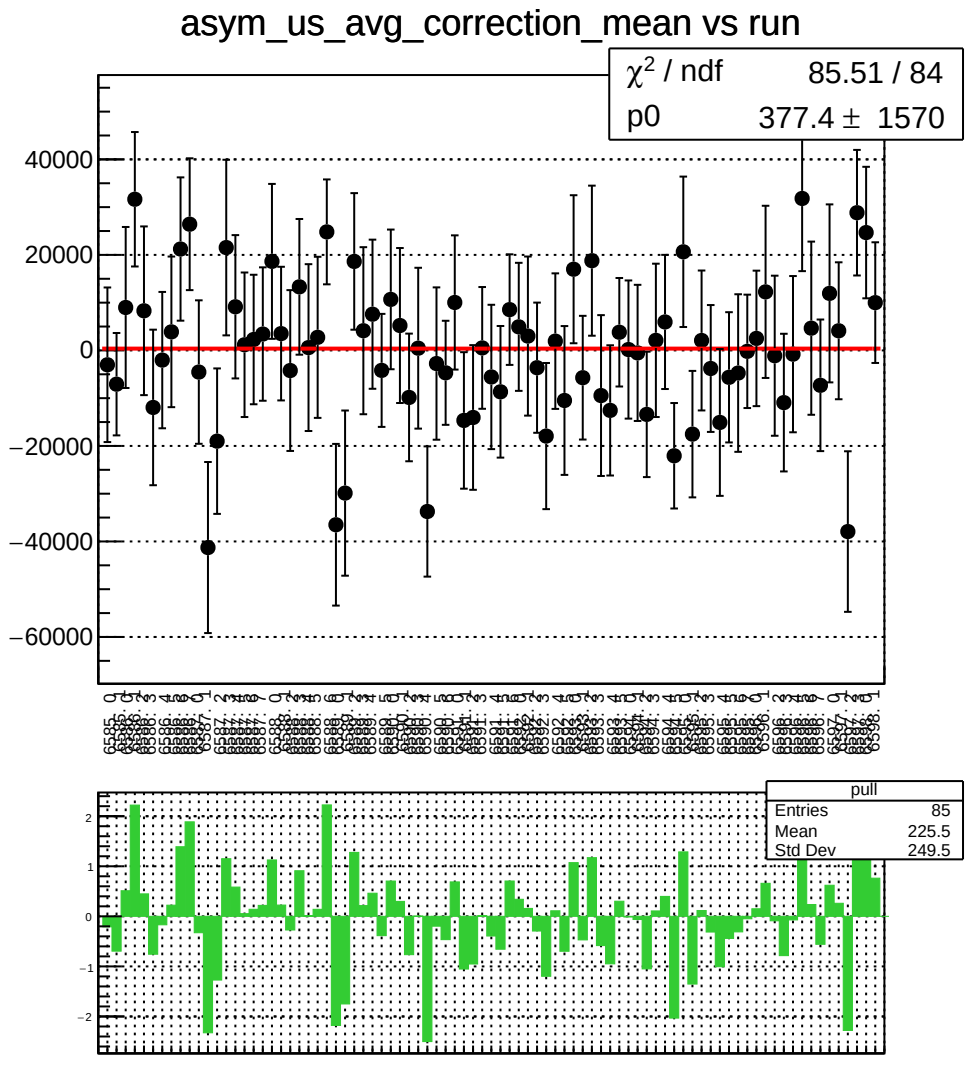
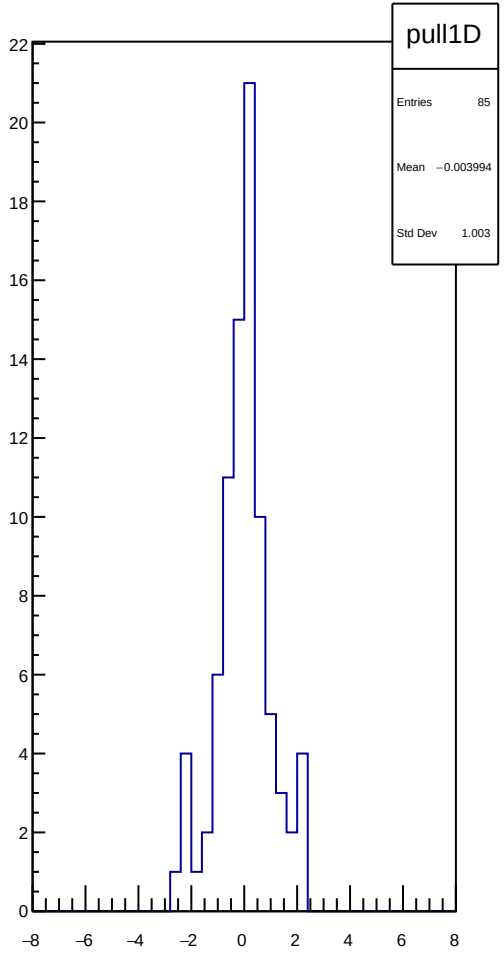
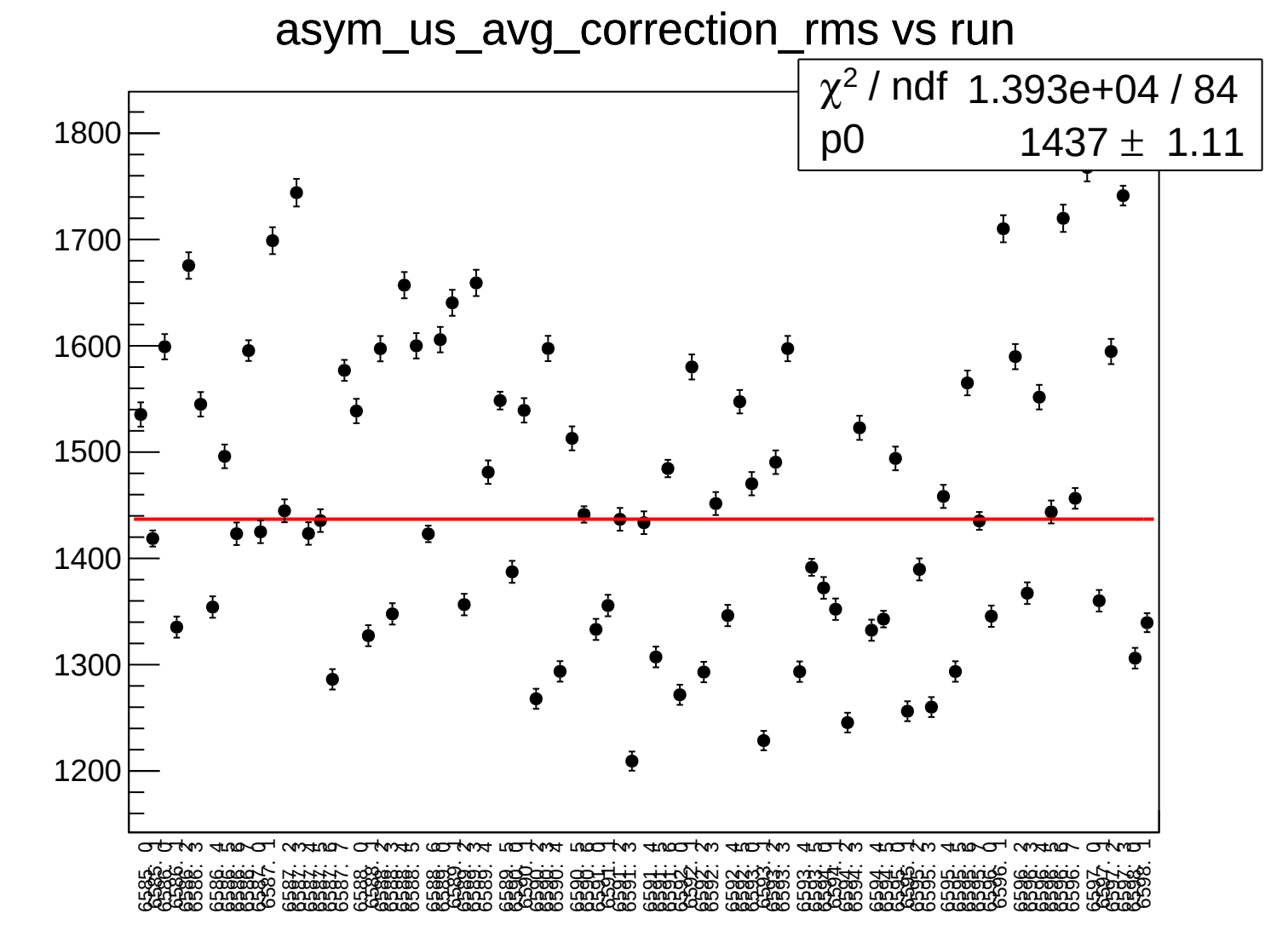

dit_asym_us_avg_mean vs run
χ² / ndf 93.59 / 84
p0 −2031 ± 897.8
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean 365.6
Std Dev 328.3
3
2
1
0
−1
−2

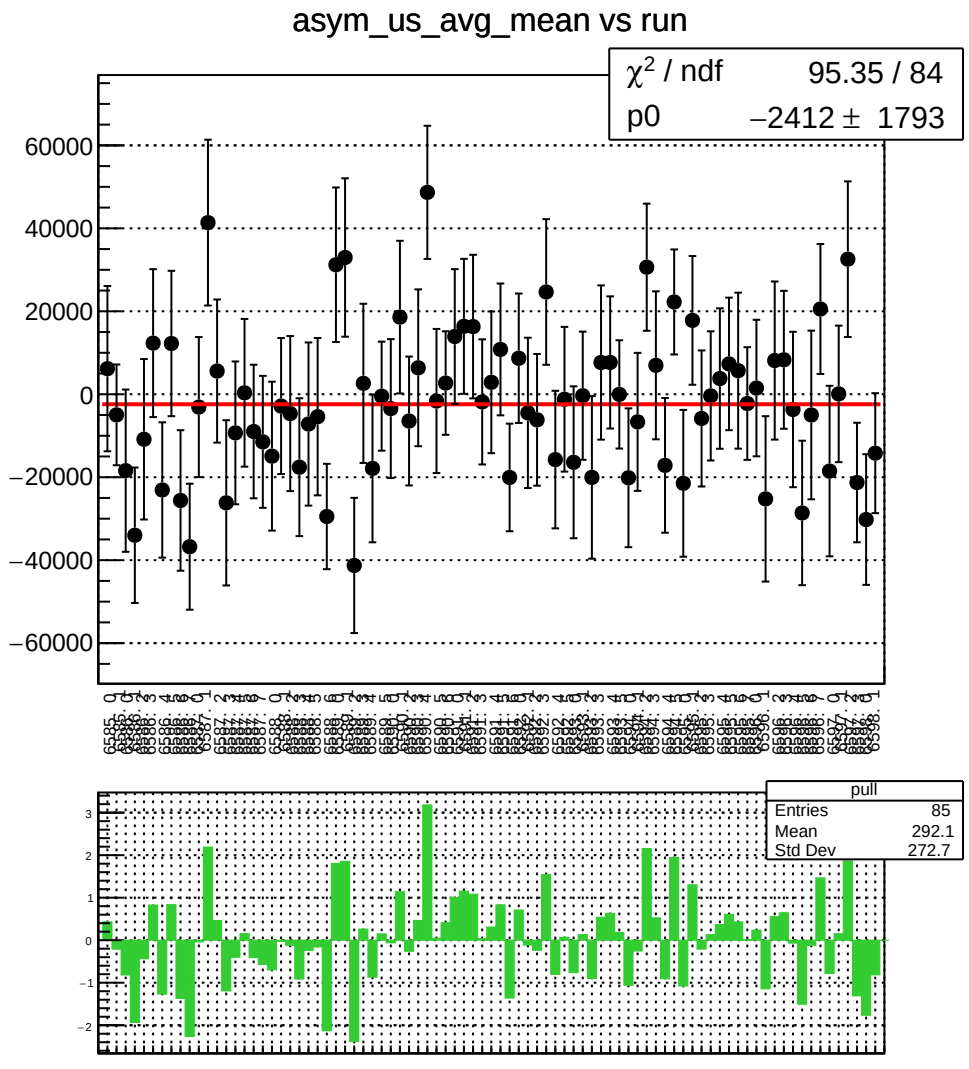

pull1D
Entries 85
Mean 0.01207
Std Dev 1.049
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

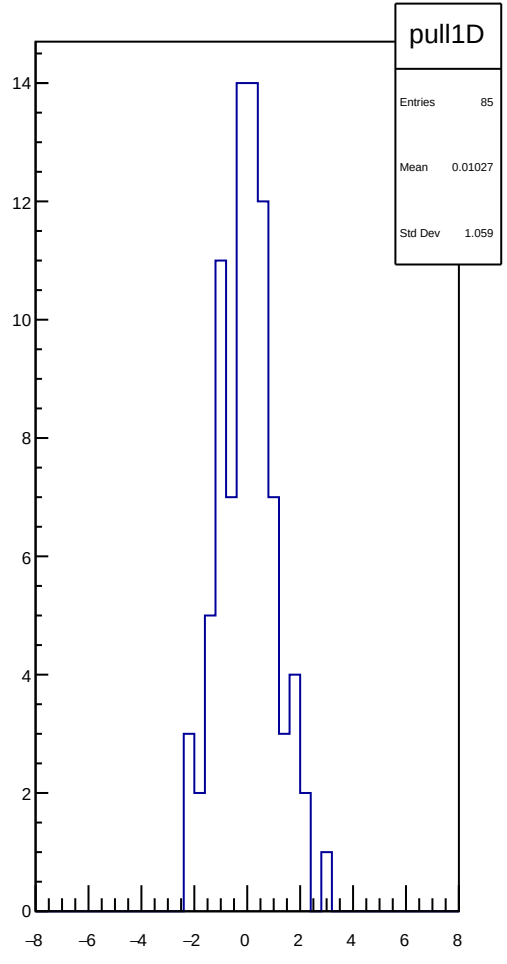

dit_asym_us_avg_rms vs run
χ² / ndf 435.8 / 84
p0 825.1 ± 0.6349
920
900
880
860
840
820
800

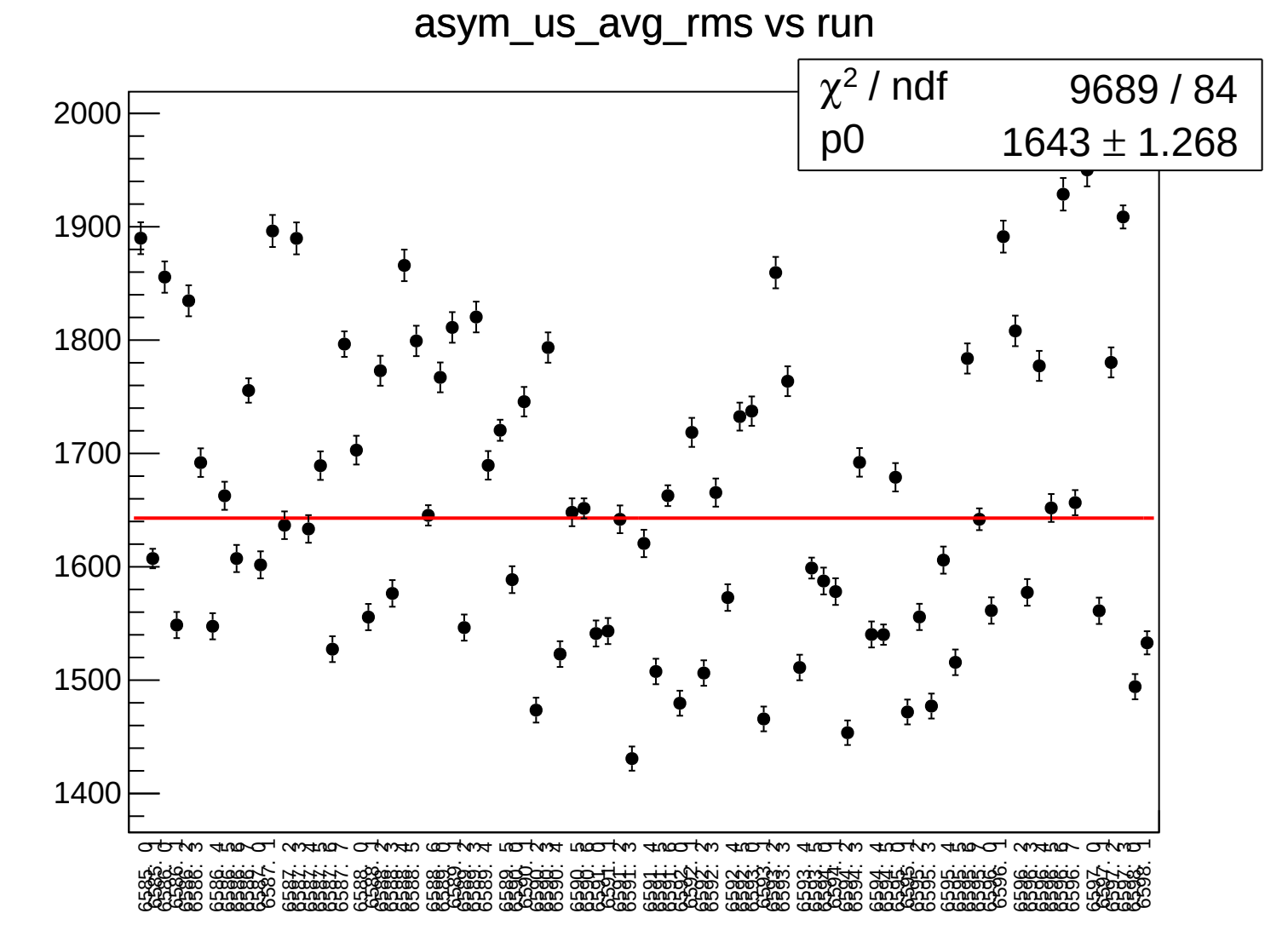

asym_us_avg_correction_mean vs run
χ² / ndf 85.51 / 84
p0 377.4 ± 1570
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 225.5
Std Dev 249.5
2
1
0
−1
−2

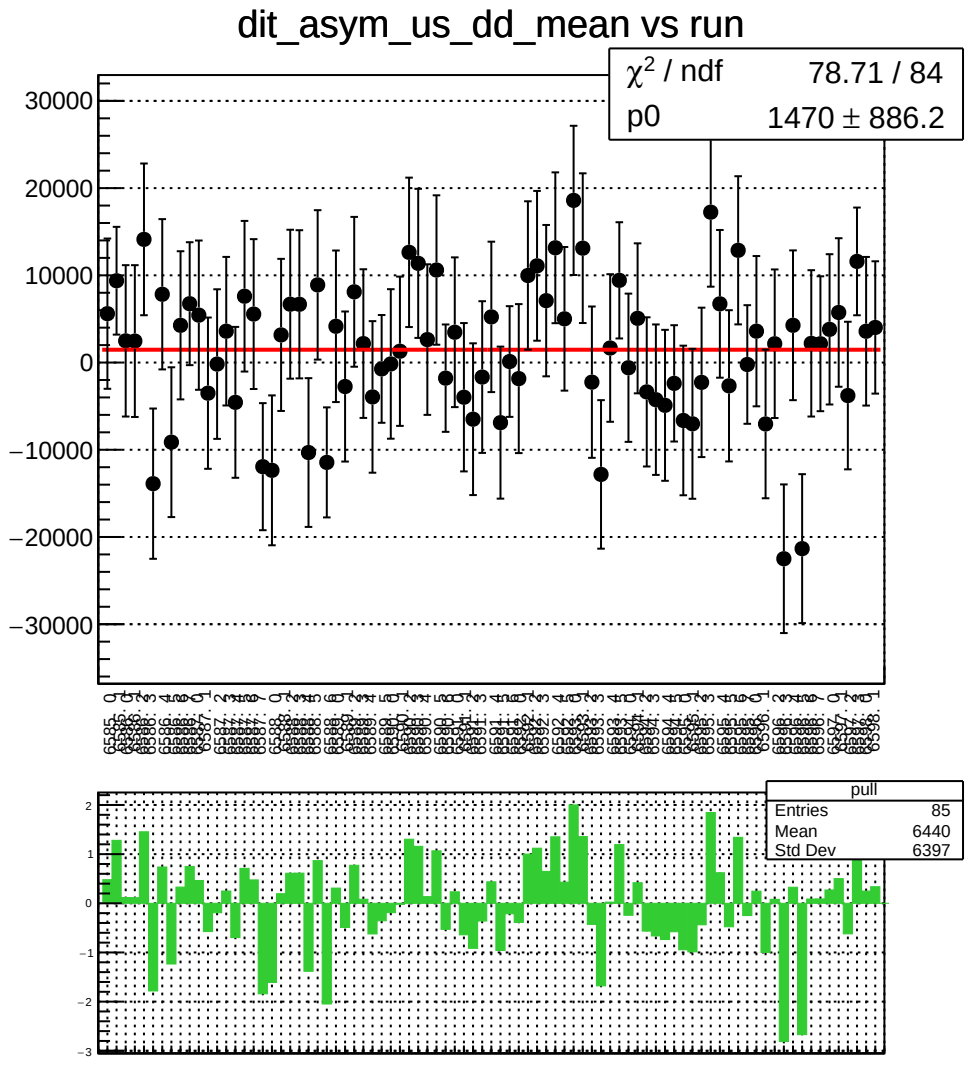

pull1D
Entries 85
Mean −0.003994
Std Dev 1.003
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

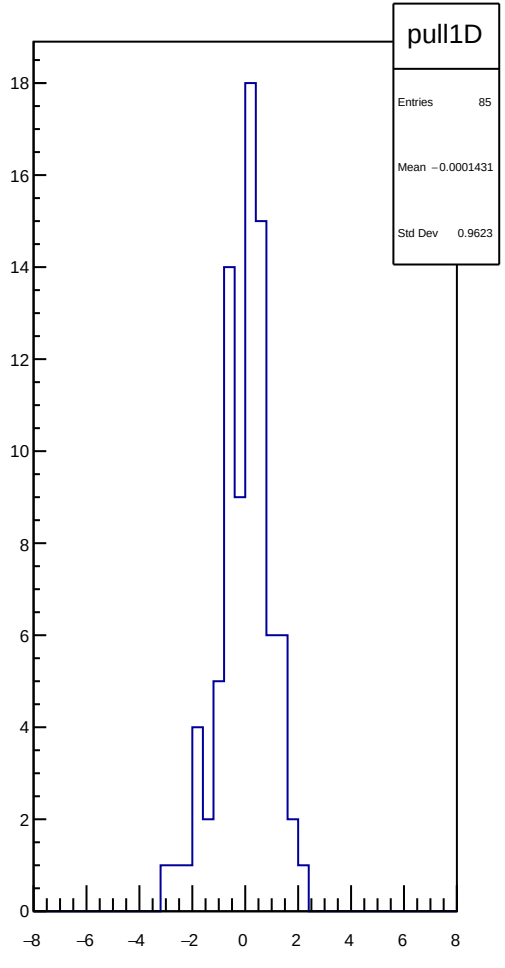

asym_us_avg_correction_rms vs run
χ² / ndf 1.393e+04 / 84
p0 1437 ± 1.11
1800
1700
1600
1500
1400
1300
1200

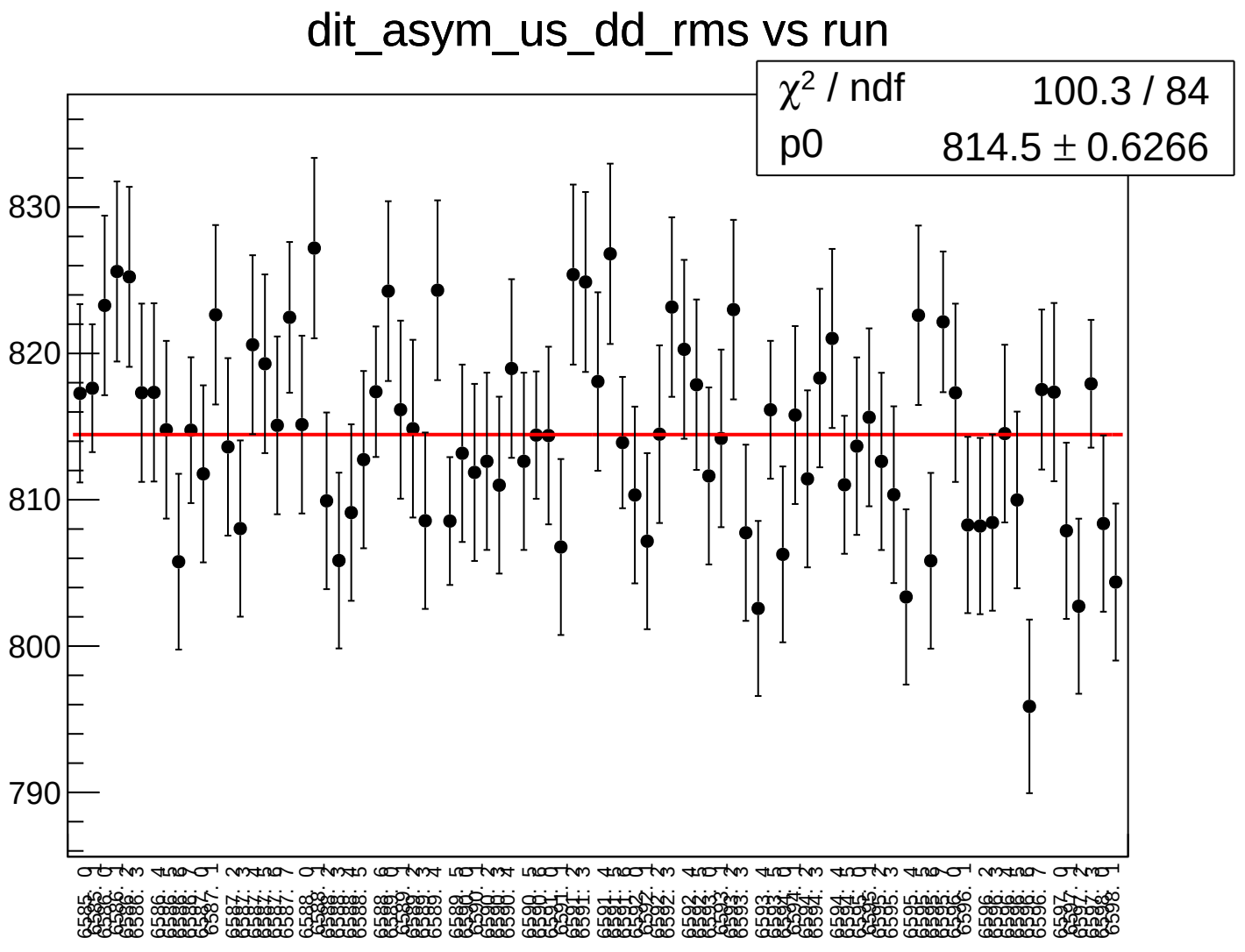

asym_us_avg_mean vs run
χ² / ndf 95.35 / 84
p0 −2412 ± 1793
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 292.1
Std Dev 272.7
3
2
1
0
−1
−2

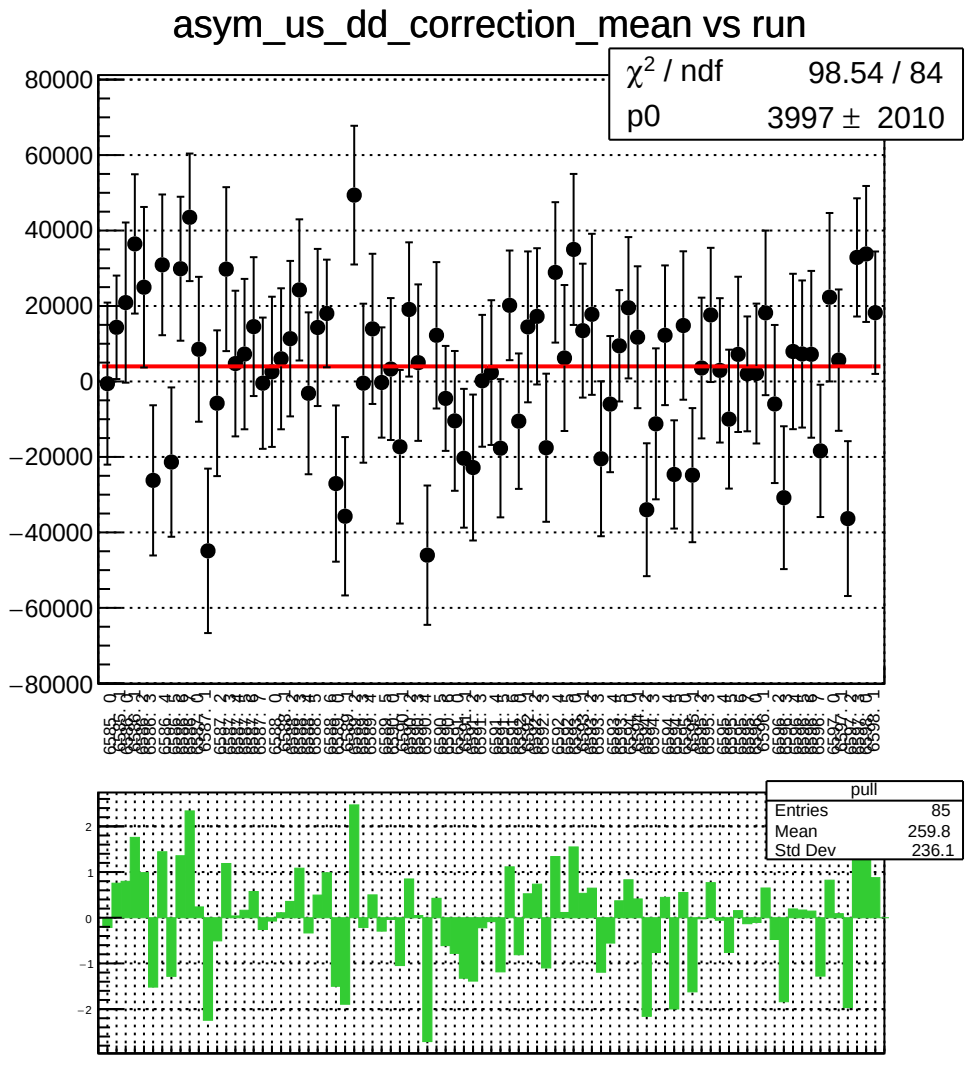

pull1D
Entries 85
Mean 0.01027
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

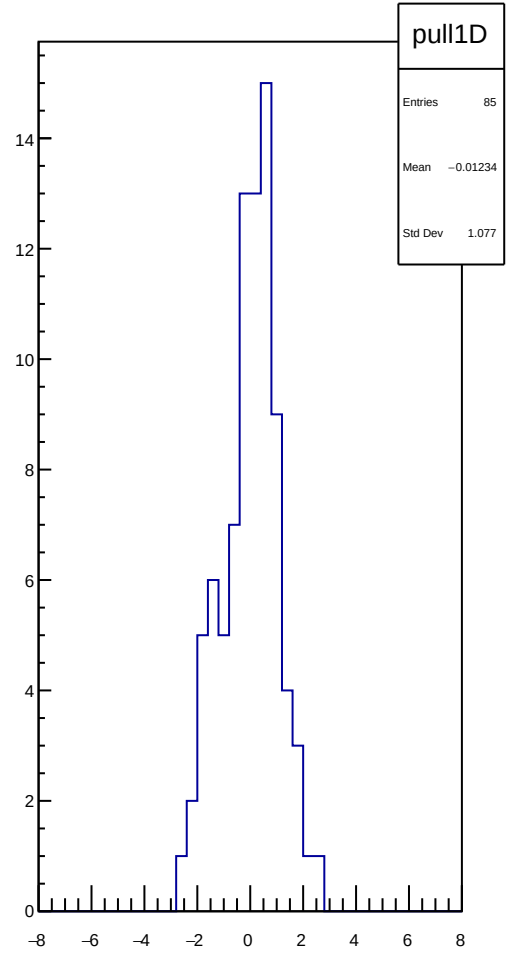

asym_us_avg_rms vs run
χ² / ndf 9689 / 84
p0 1643 ± 1.268
2000
1900
1800
1700
1600
1500
1400

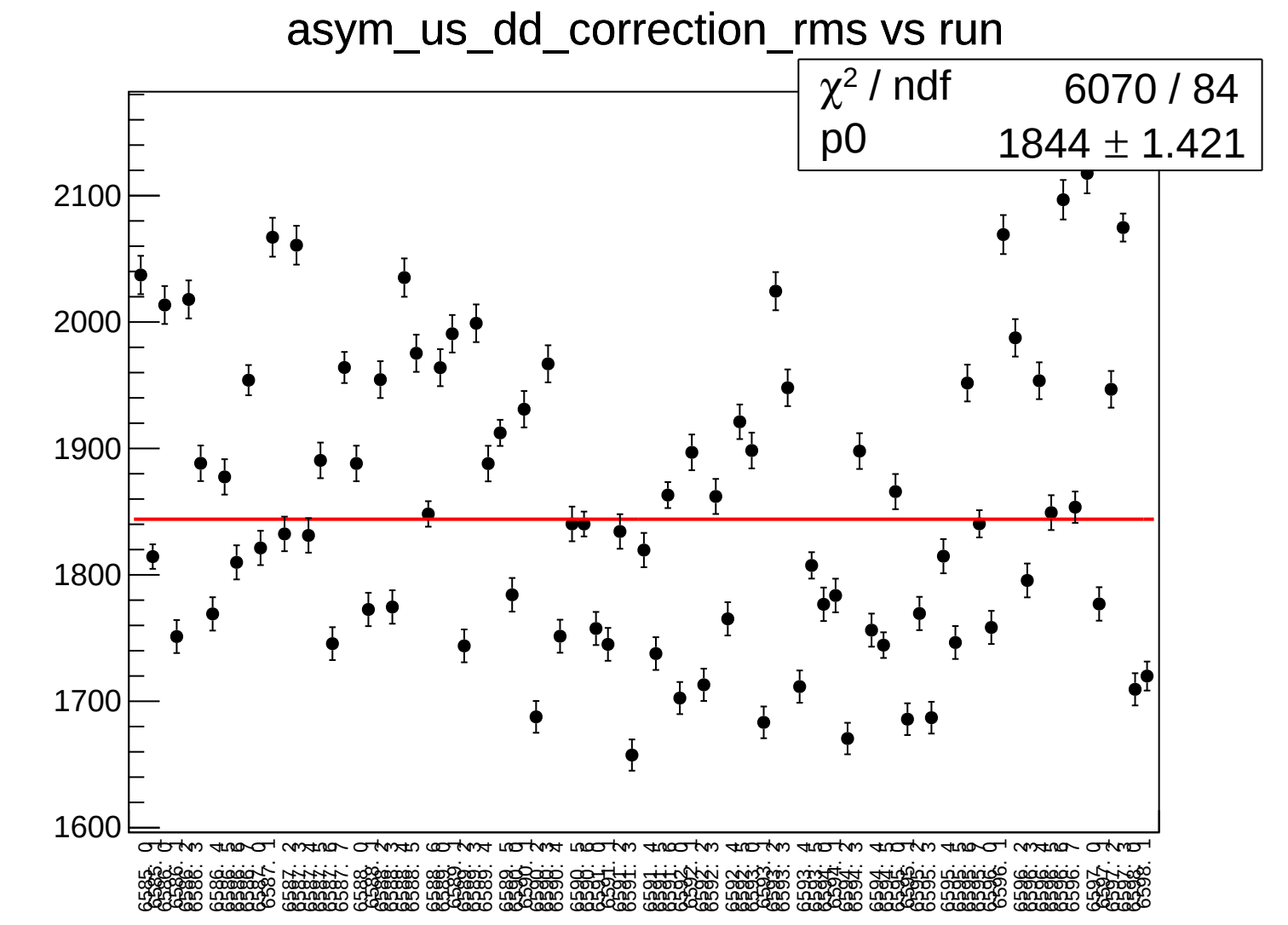

dit_asym_us_dd_mean vs run
χ² / ndf 78.71 / 84
p0 1470 ± 886.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 6440
Std Dev 6397
2
1
0
−1
−2
−3

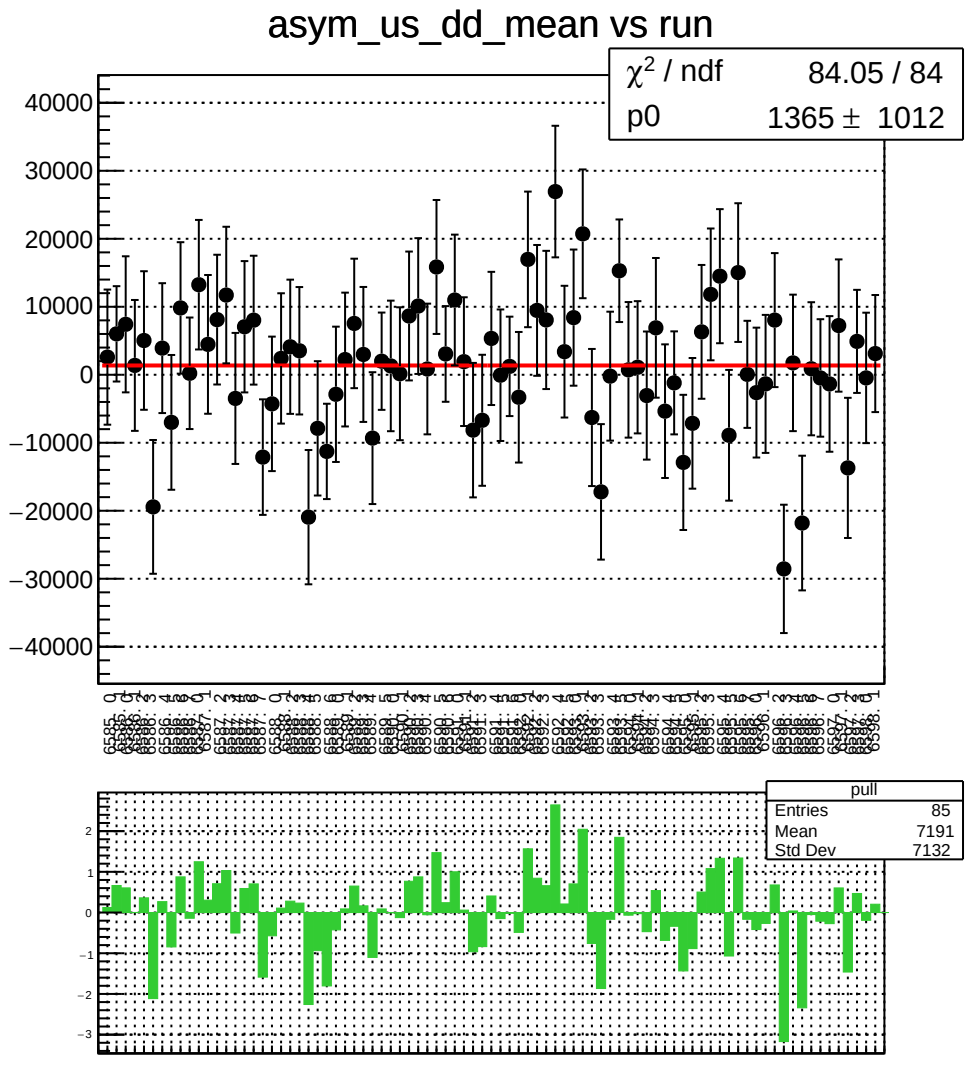

pull1D
Entries 85
Mean −0.0001431
Std Dev 0.9623
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

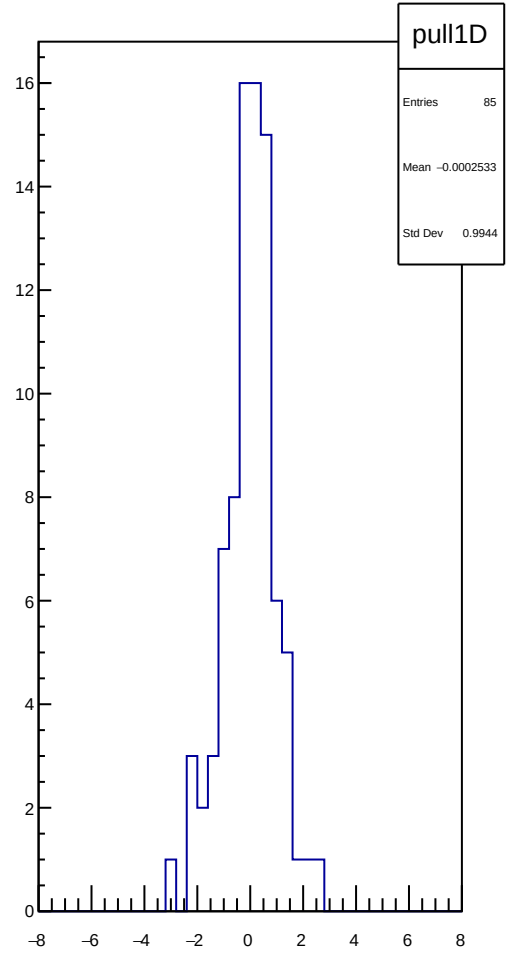

dit_asym_us_dd_rms vs run
χ^2 / ndf 100.3 / 84
p0 814.5 ± 0.6266
830
820
810
800
790

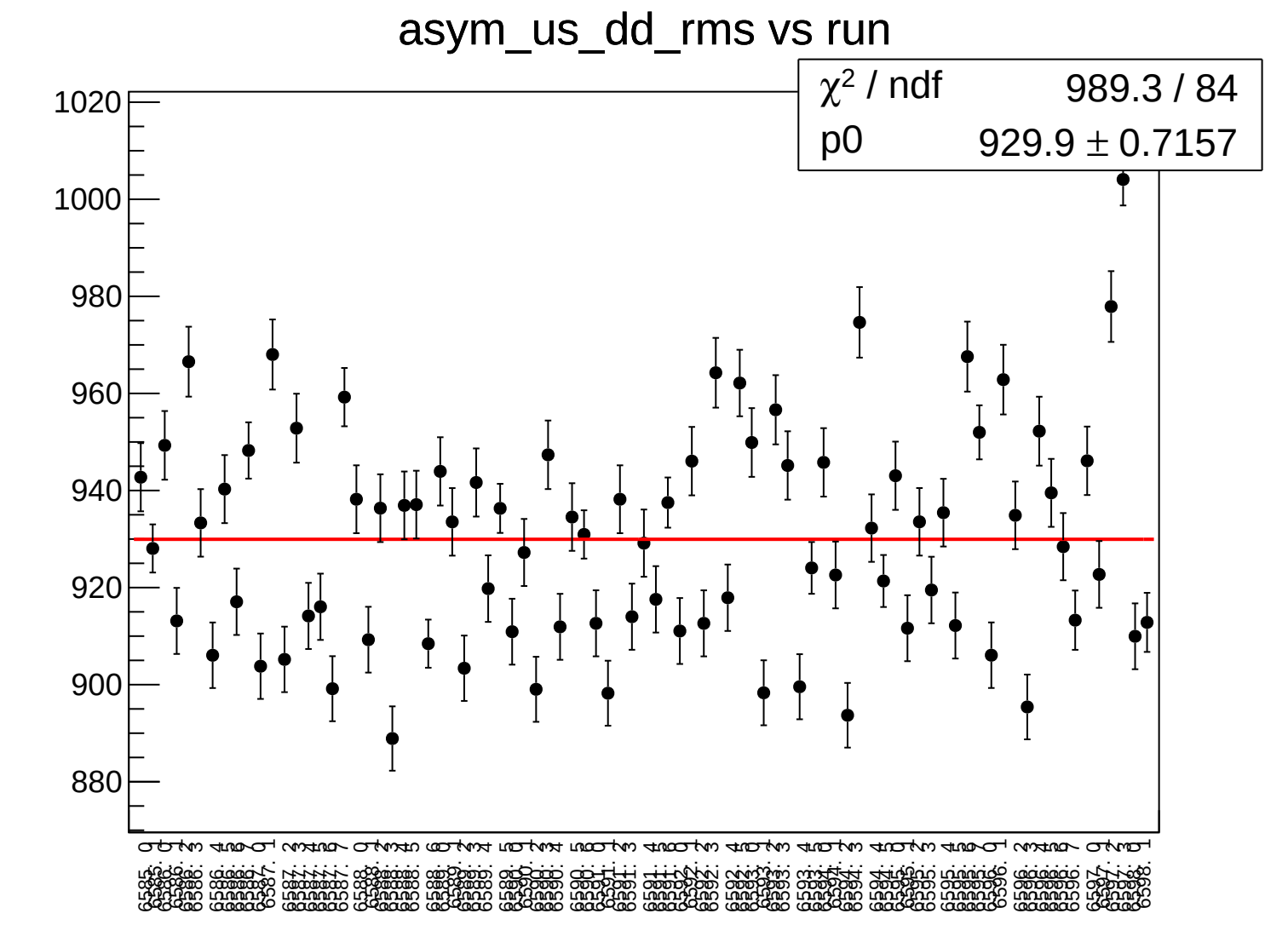

asym_us_dd_correction_mean vs run
χ² / ndf 98.54 / 84
p0 3997 ± 2010
pull
Entries 85
Mean 259.8
Std Dev 236.1

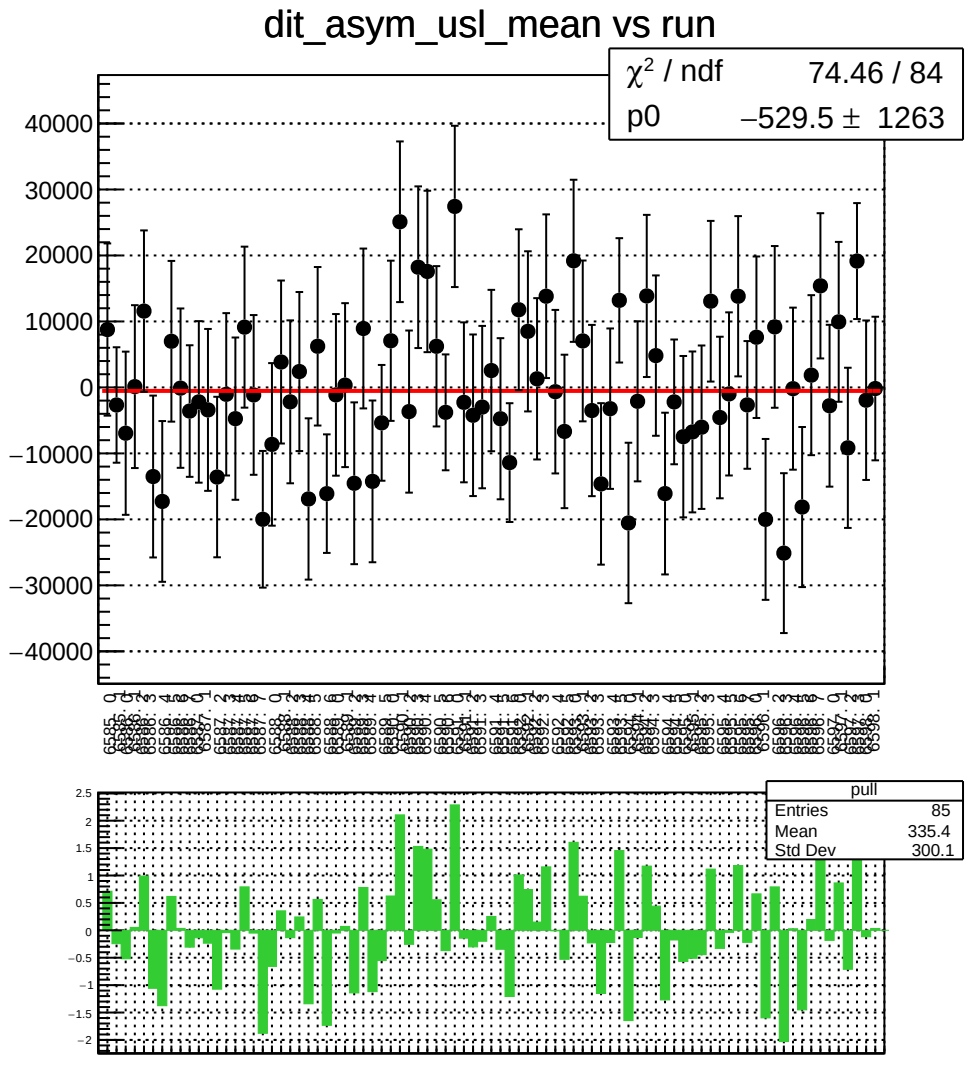

pull1D
Entries 85
Mean −0.01234
Std Dev 1.077

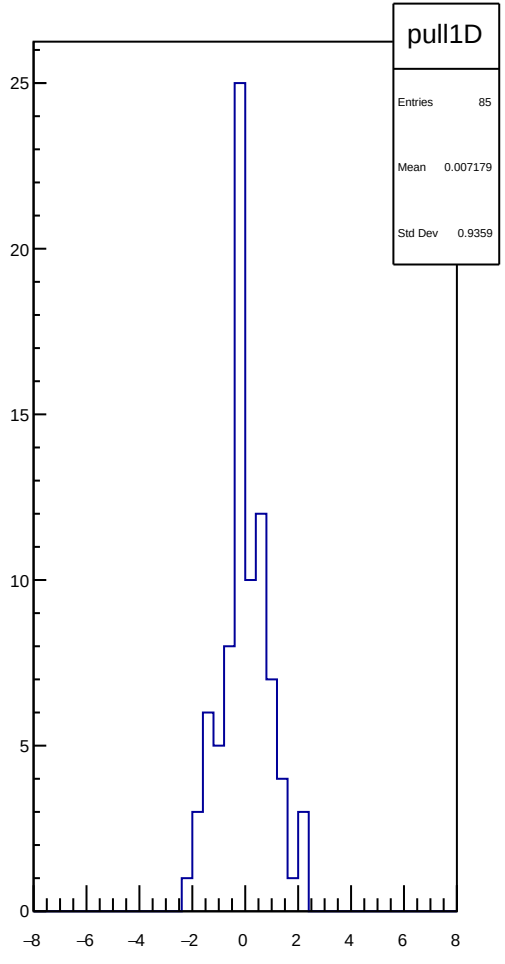

asym_us_dd_correction_rms vs run
χ² / ndf 6070 / 84
p0 1844 ± 1.421
2100
2000
1900
1800
1700
1600

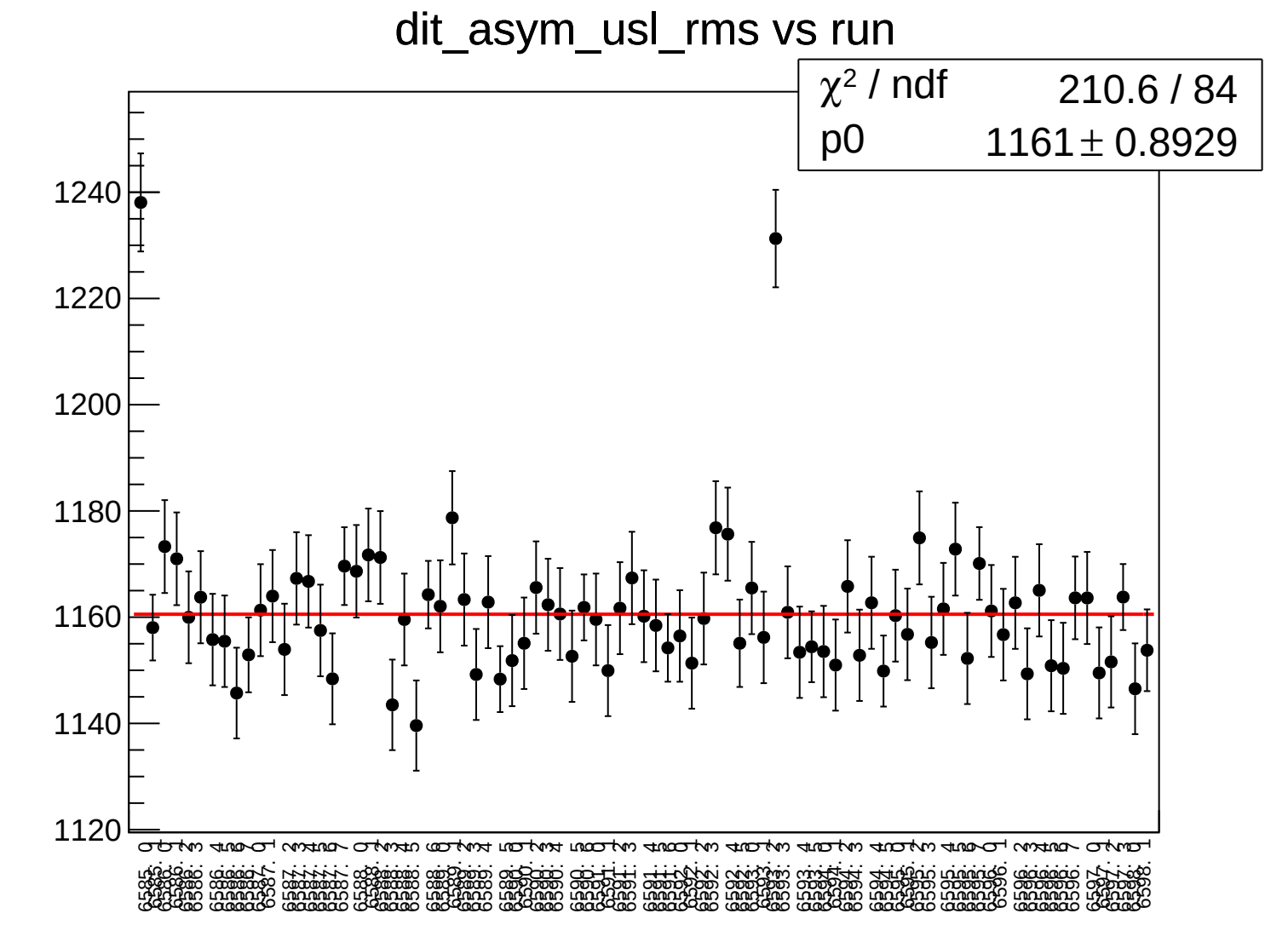

asym_us_dd_mean vs run
χ² / ndf 84.05 / 84
p0 1365 ± 1012
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean 7191
Std Dev 7132
2
1
0
−1
−2
−3

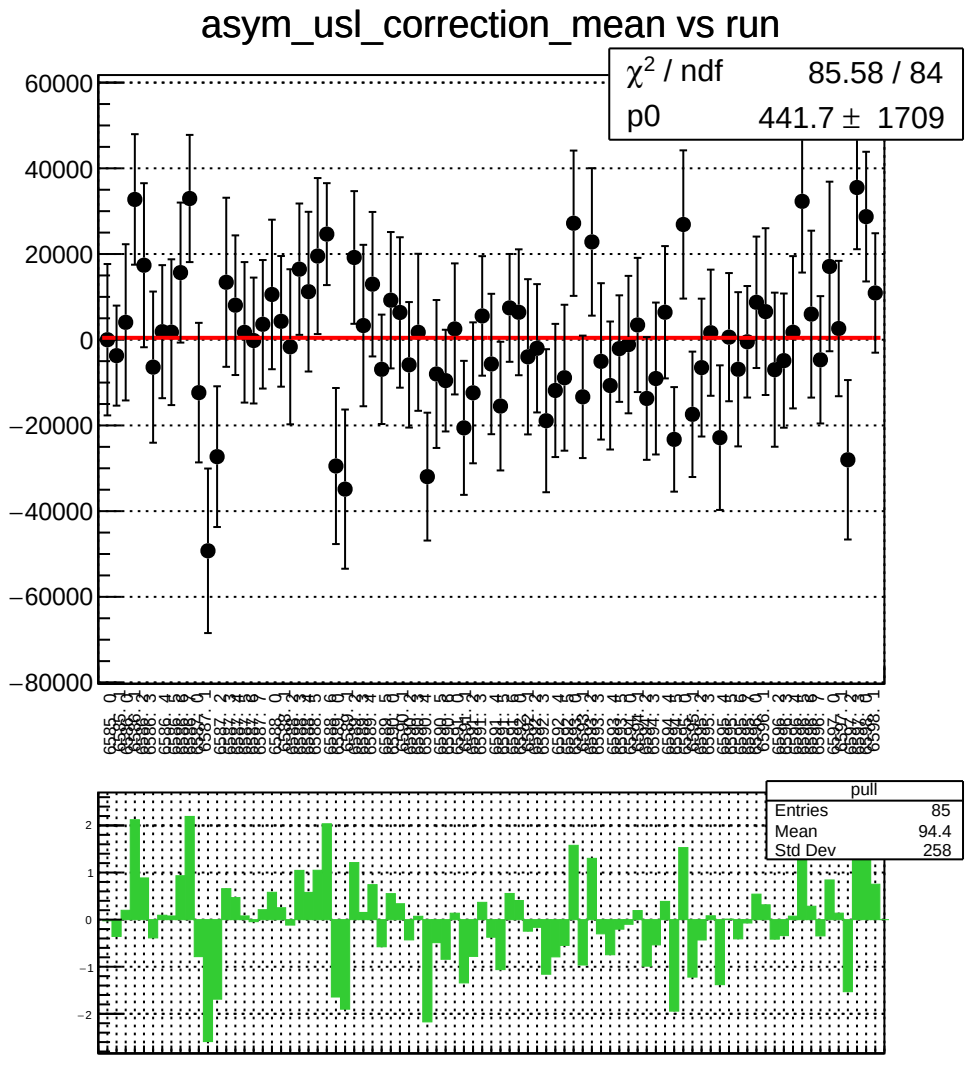

pull1D
Entries 85
Mean −0.0002533
Std Dev 0.9944
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

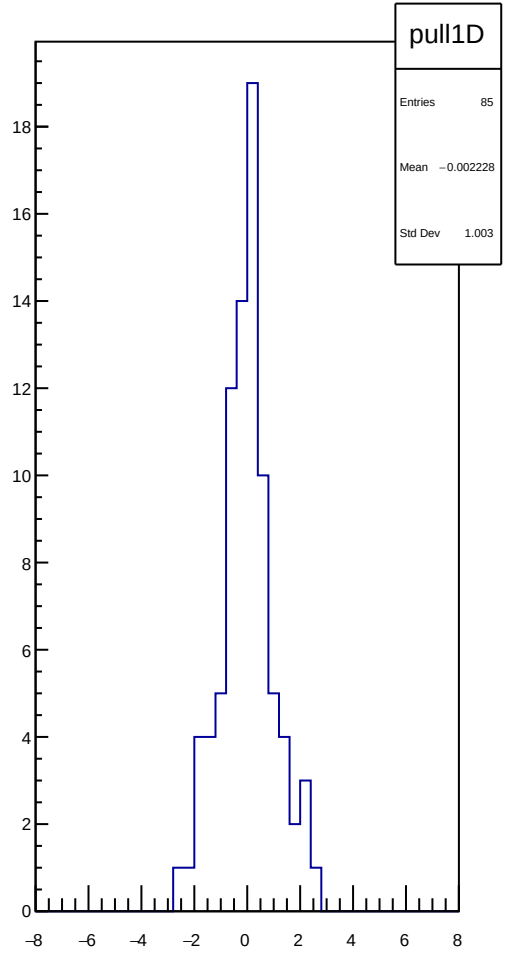

asym_us_dd_rms vs run
χ² / ndf 989.3 / 84
p0 929.9 ± 0.7157
1020
1000
980
960
940
920
900
880

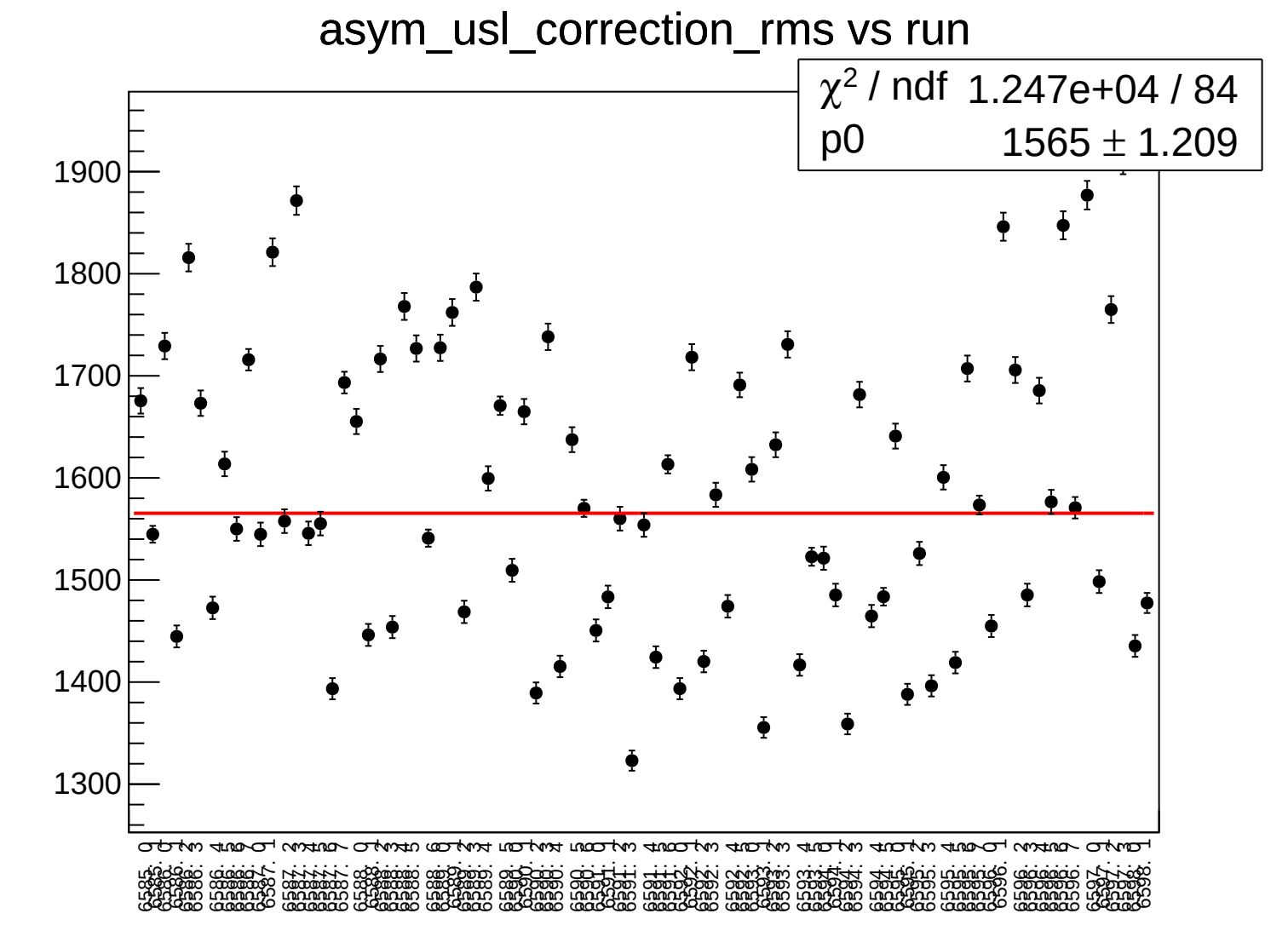

dit_asym_usl_mean vs run
χ² / ndf 74.46 / 84
p0 −529.5 ± 1263
pull
Entries 85
Mean 335.4
Std Dev 300.1

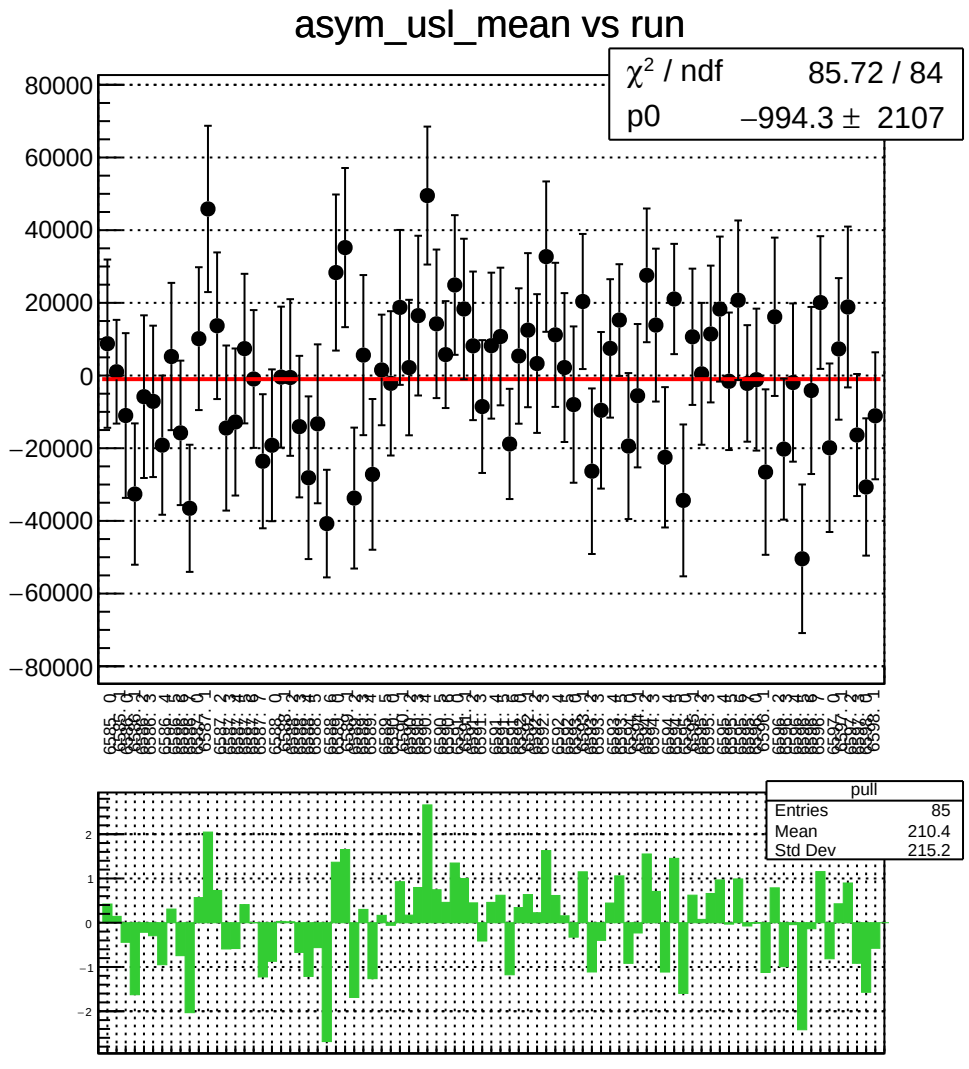

pull1D
Entries 85
Mean 0.007179
Std Dev 0.9359

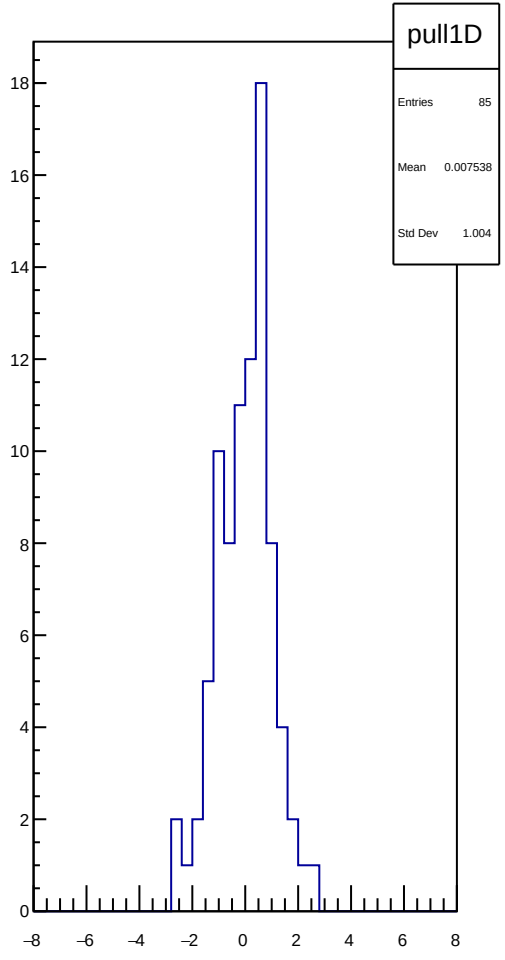

dit_asym_usl_rms vs run
χ² / ndf 210.6 / 84
p0 1161 ± 0.8929
1240
1220
1200
1180
1160
1140
1120

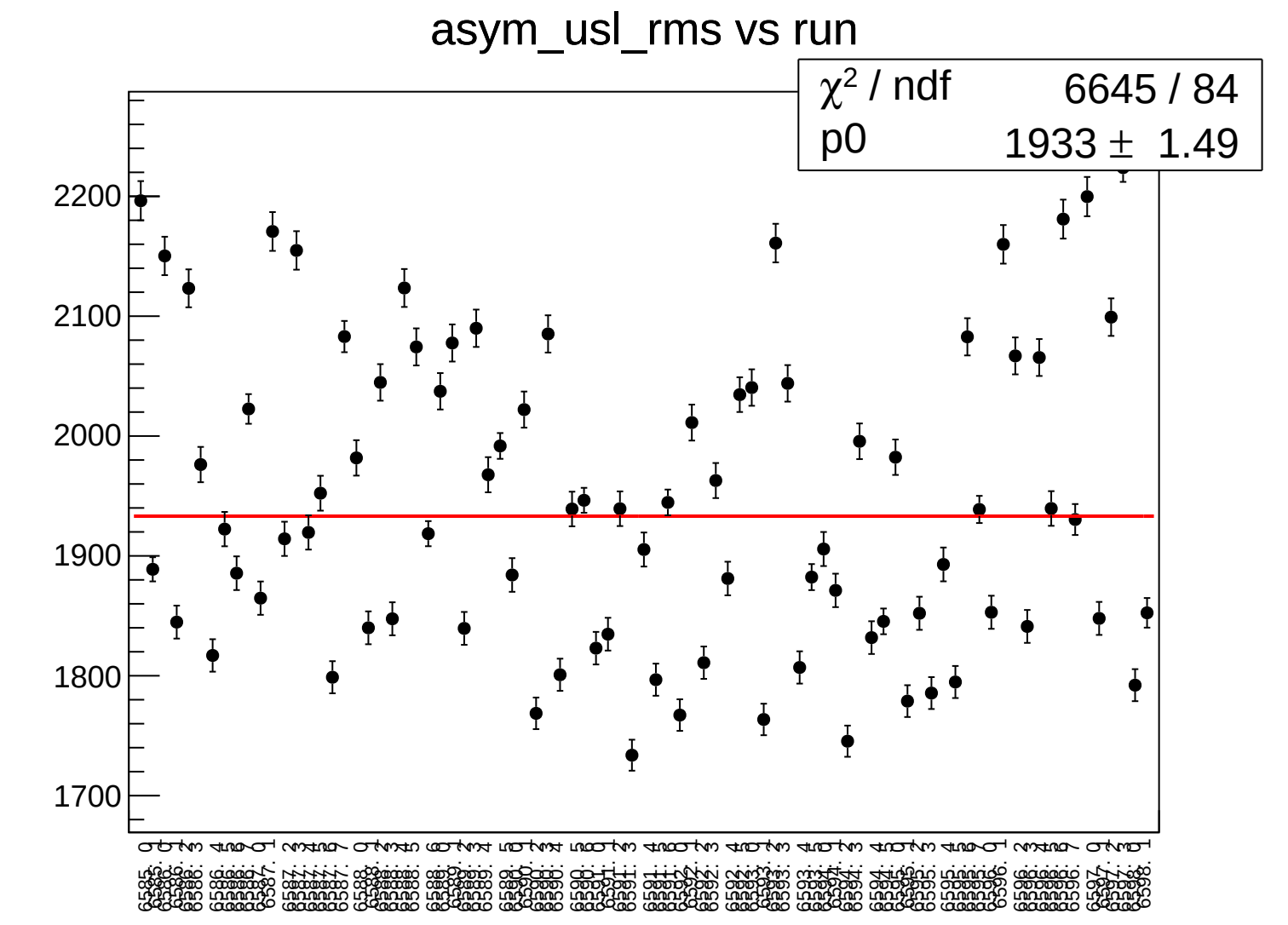

asym_usl_correction_mean vs run
χ² / ndf 85.58 / 84
p0 441.7 ± 1709
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean 94.4
Std Dev 258
2
1
0
−1
−2

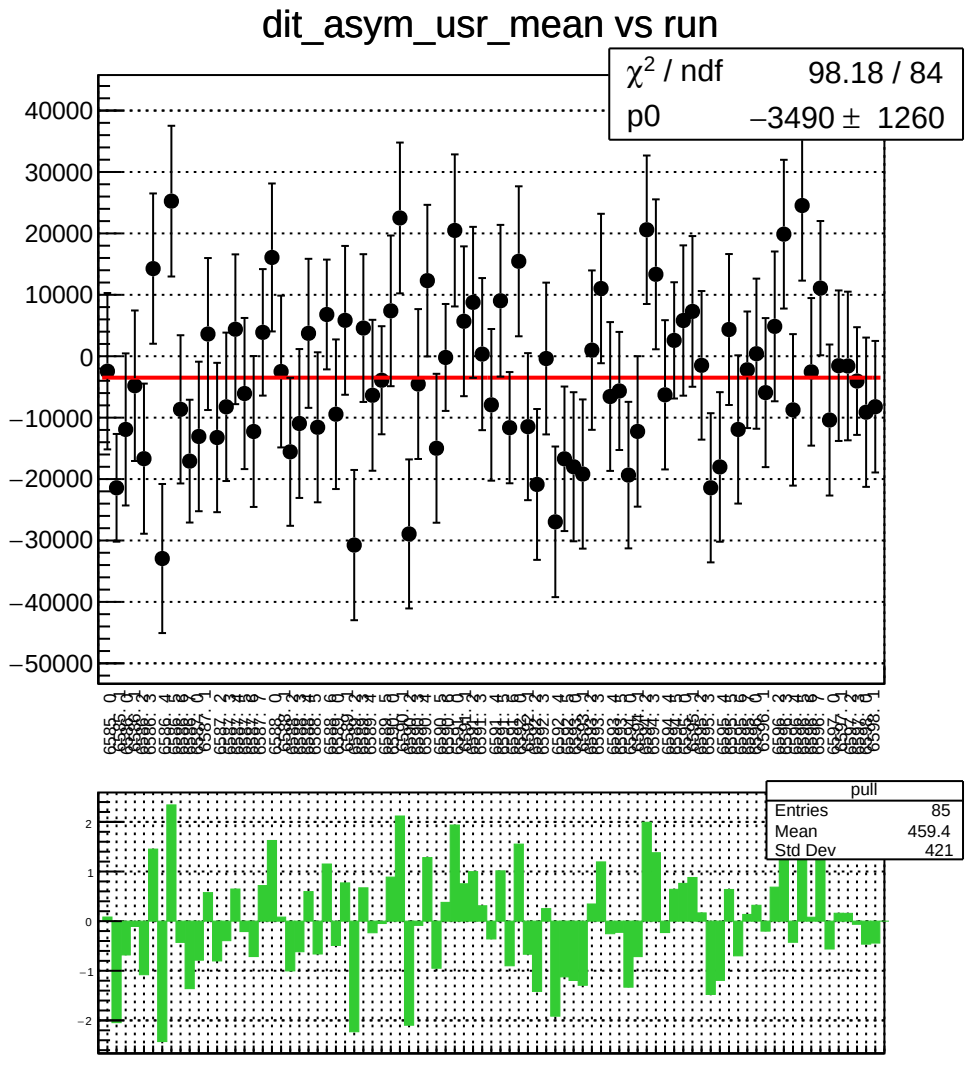

pull1D
Entries 85
Mean −0.002228
Std Dev 1.003
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

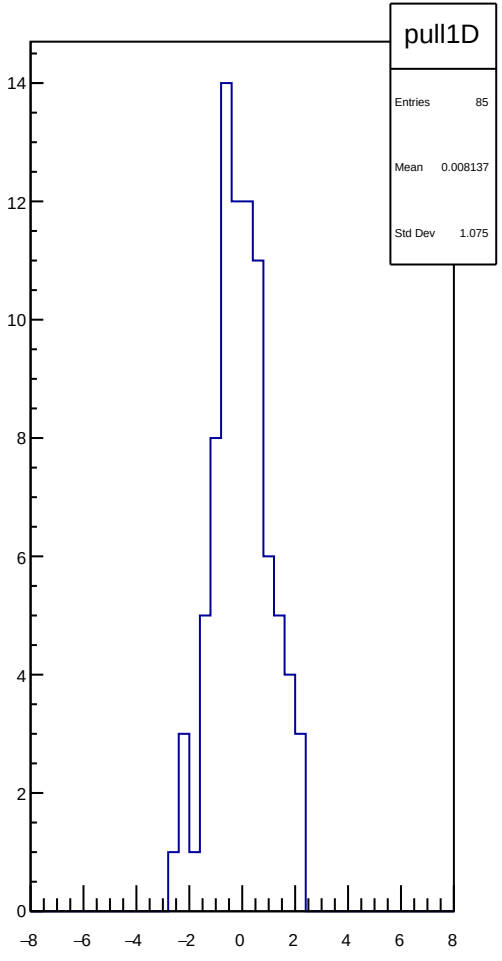

asym_usl_correction_rms vs run
χ² / ndf 1.247e+04 / 84
p0 1565 ± 1.209
1900
1800
1700
1600
1500
1400
1300

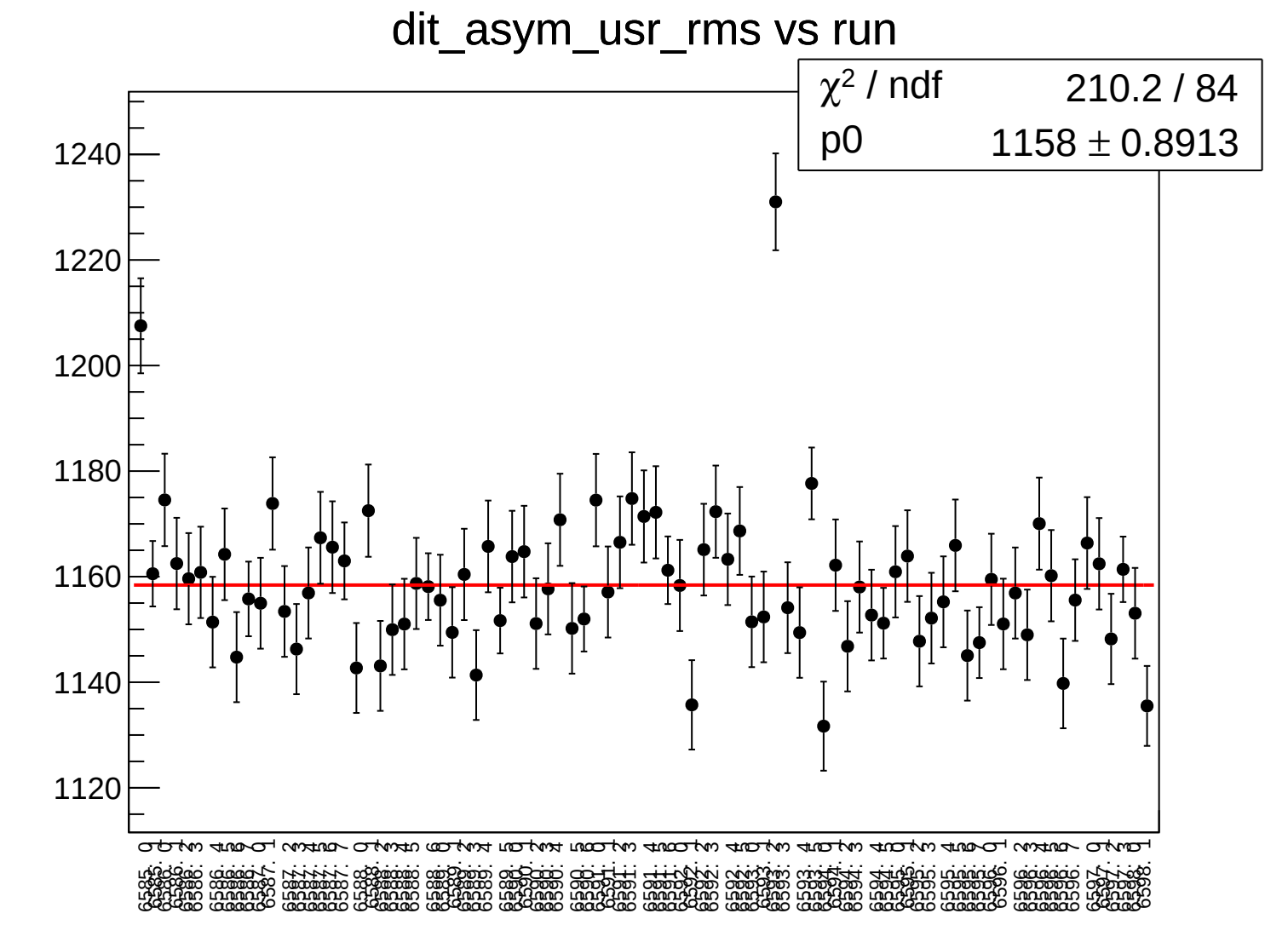

asym_usl_mean vs run
χ² / ndf 85.72 / 84
p0 −994.3 ± 2107
pull
Entries 85
Mean 210.4
Std Dev 215.2

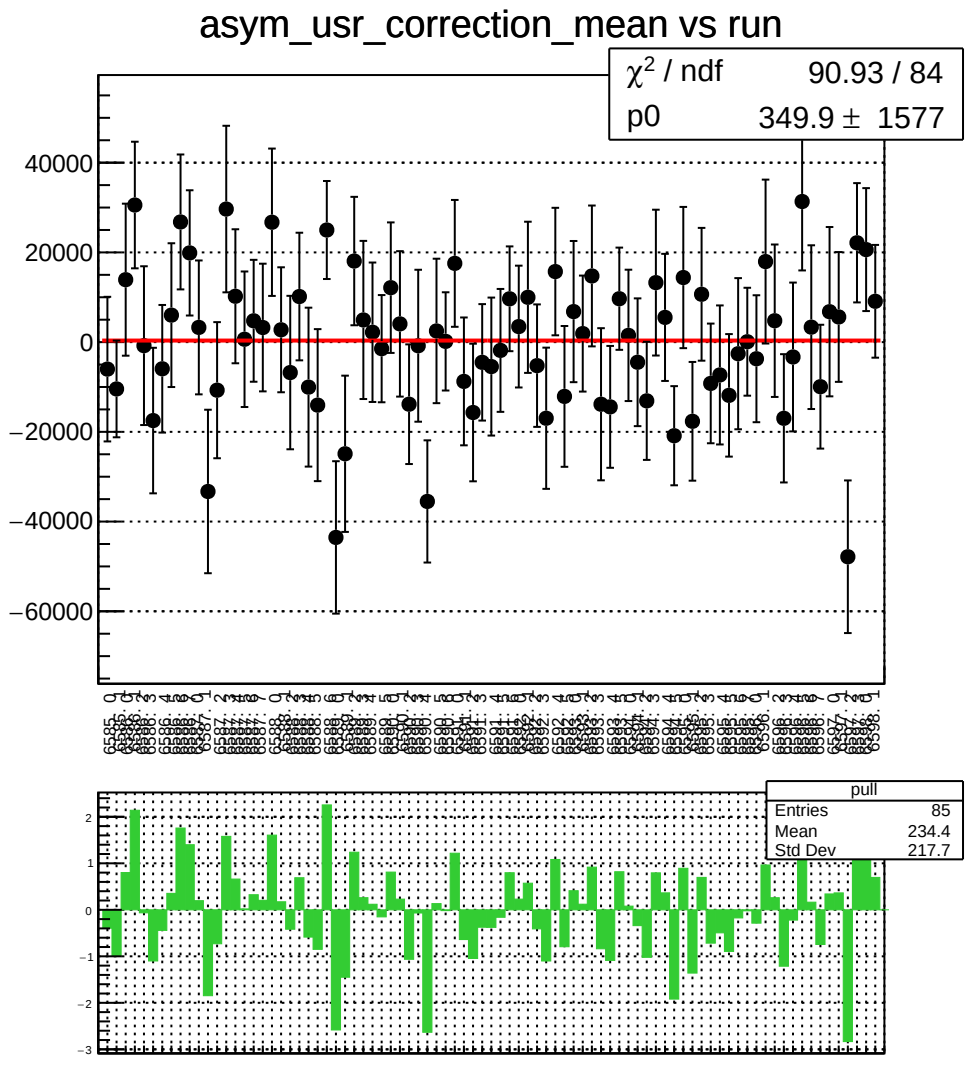

pull1D
Entries 85
Mean 0.007538
Std Dev 1.004

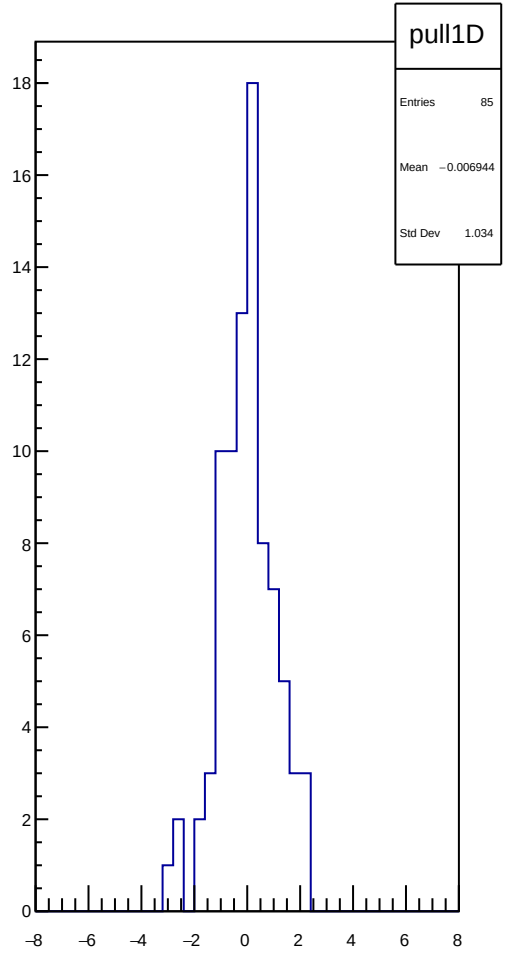

asym_usl_rms vs run
χ² / ndf 6645 / 84
p0 1933 ± 1.49
2200
2100
2000
1900
1800
1700

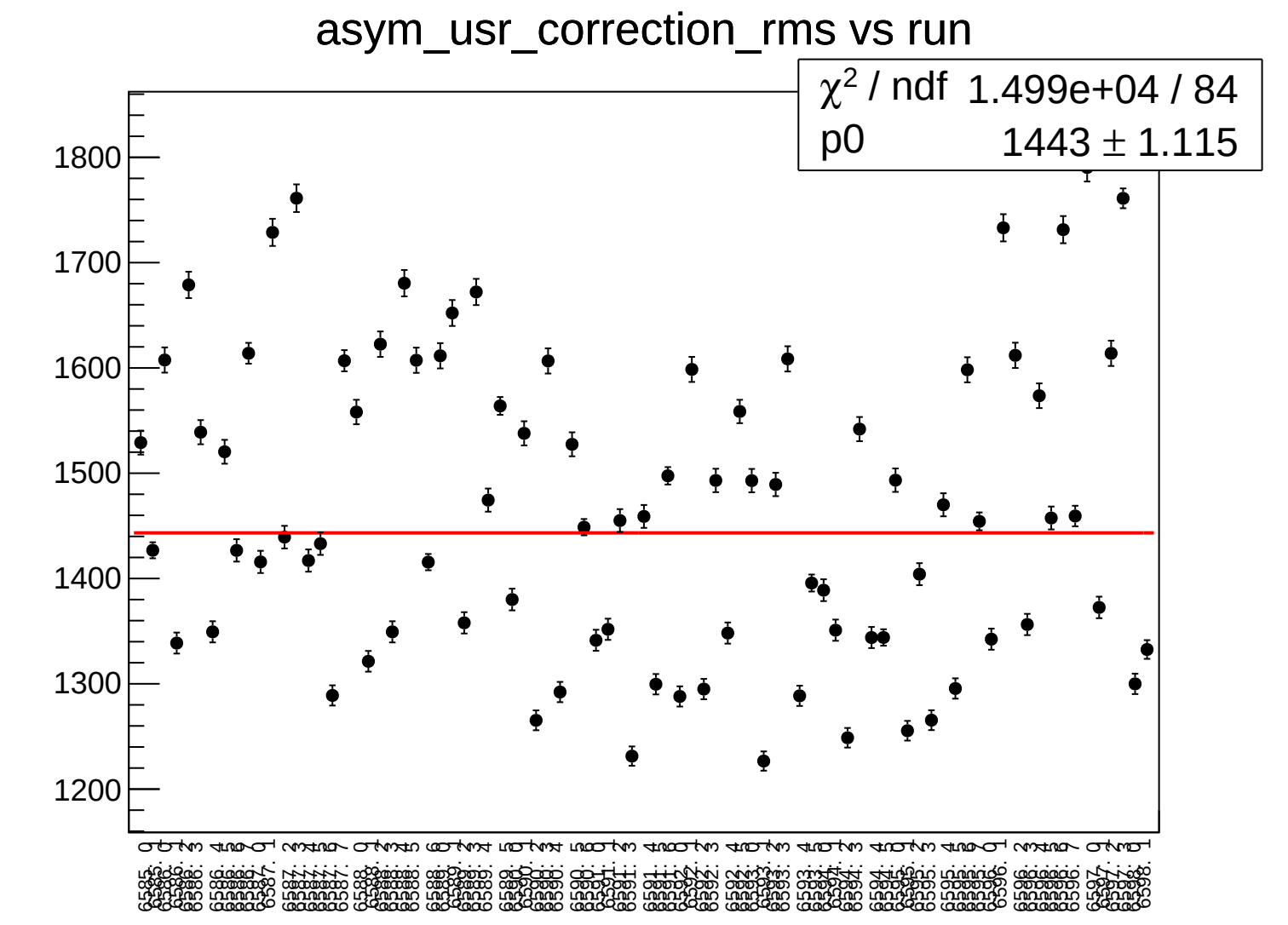

dit_asym_usr_mean vs run
χ² / ndf 98.18 / 84
p0 −3490 ± 1260
pull
Entries 85
Mean 459.4
Std Dev 421

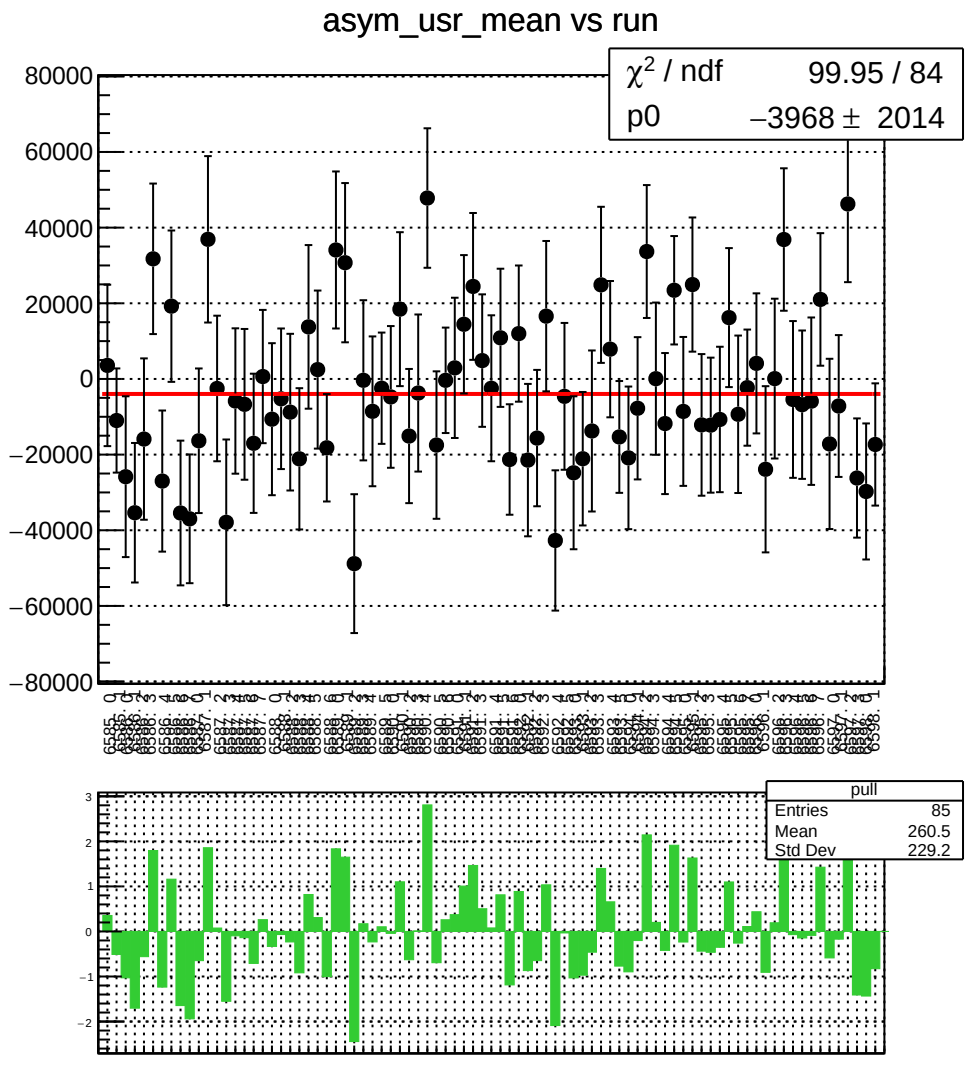

pull1D
Entries 85
Mean 0.008137
Std Dev 1.075

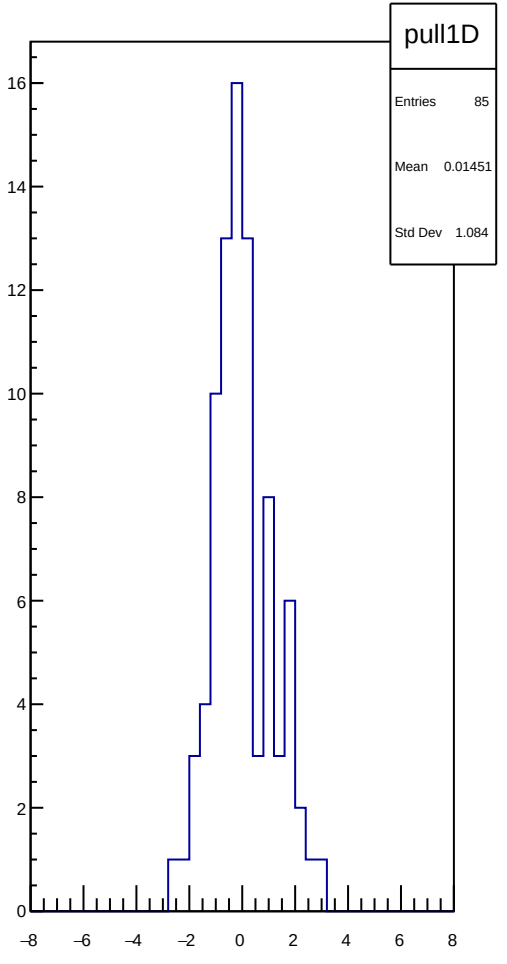

dit_asym_usr_rms vs run
χ² / ndf 210.2 / 84
p0 1158 ± 0.8913
1240
1220
1200
1180
1160
1140
1120

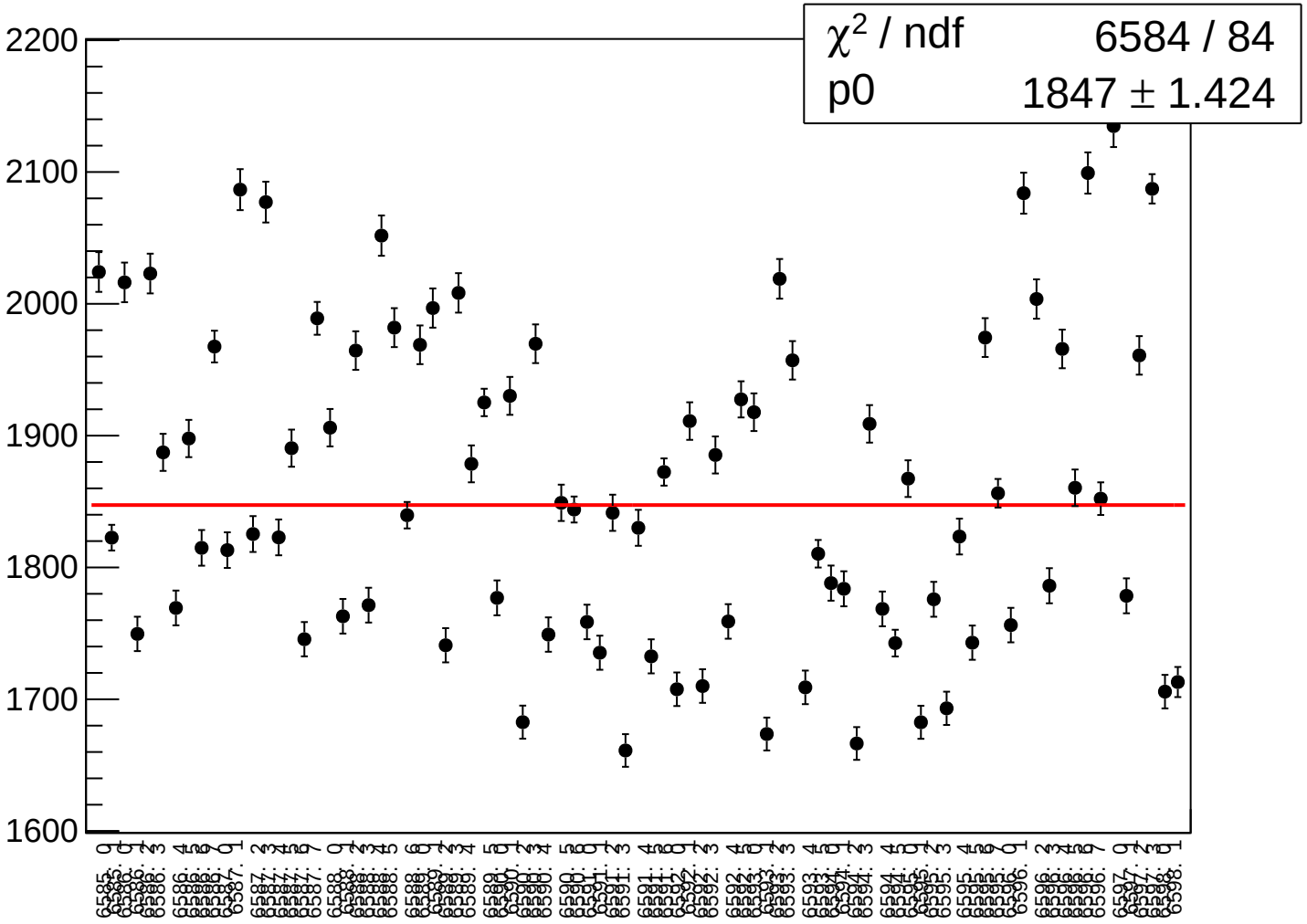

asym_usr_correction_mean vs run
χ² / ndf 90.93 / 84
p0 349.9 ± 1577
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 234.4
Std Dev 217.7
2
1
0
−1
−2
−3

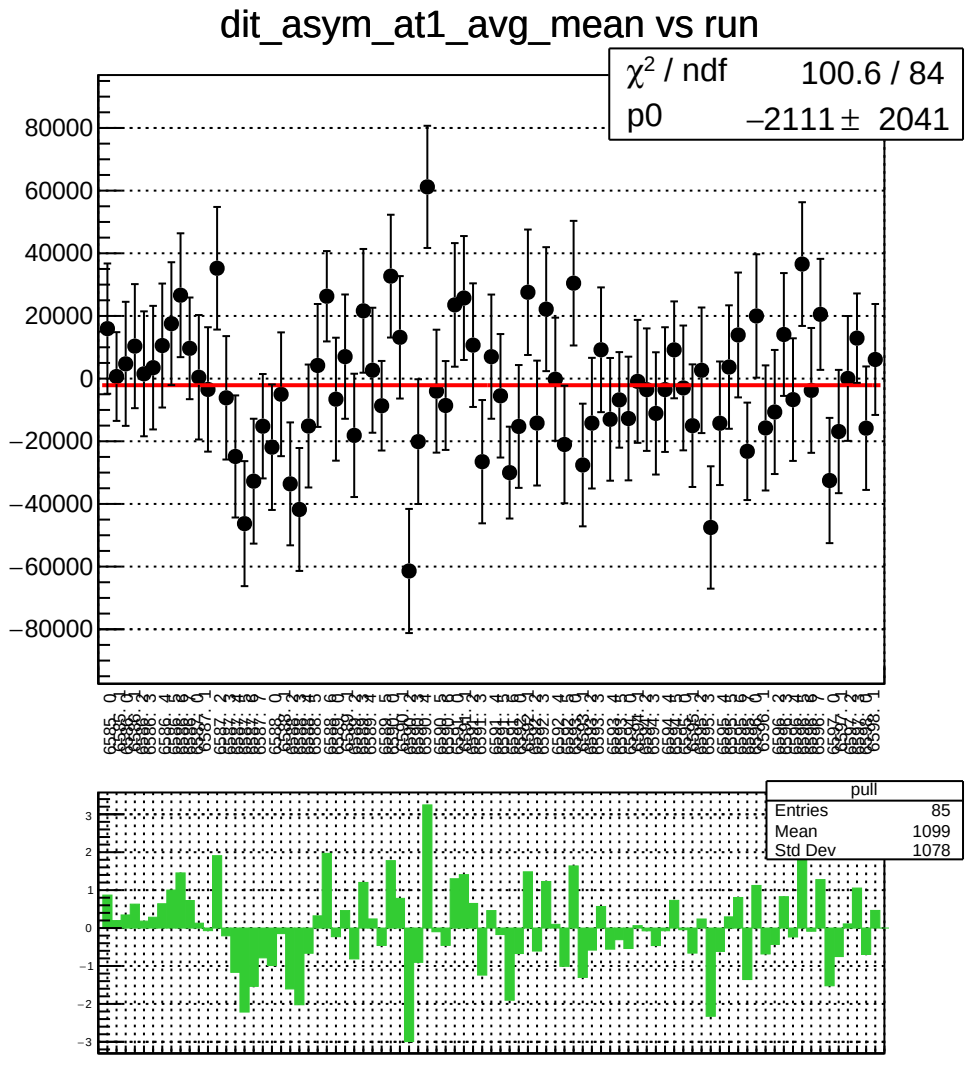

pull1D
Entries 85
Mean −0.006944
Std Dev 1.034
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

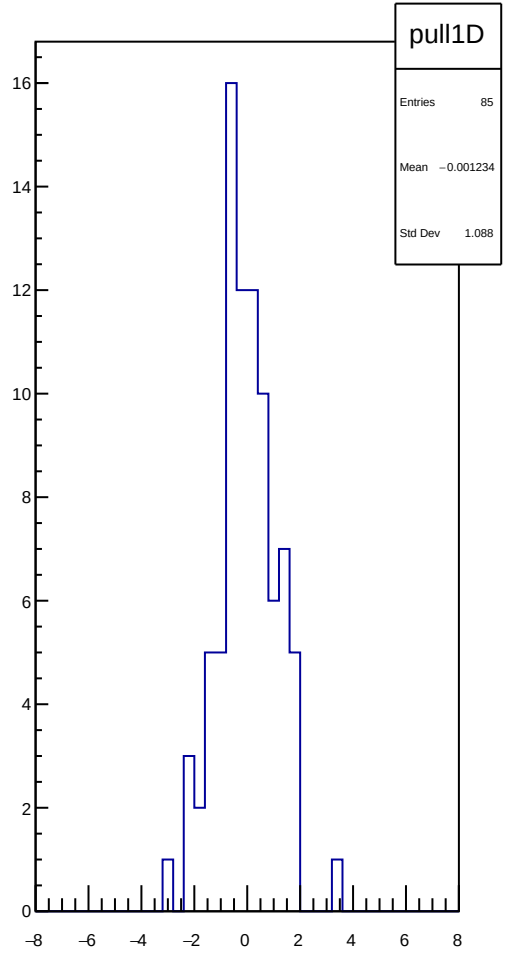

asym_usr_correction_rms vs run
χ² / ndf 1.499e+04 / 84
p0 1443 ± 1.115
1800
1700
1600
1500
1400
1300
1200

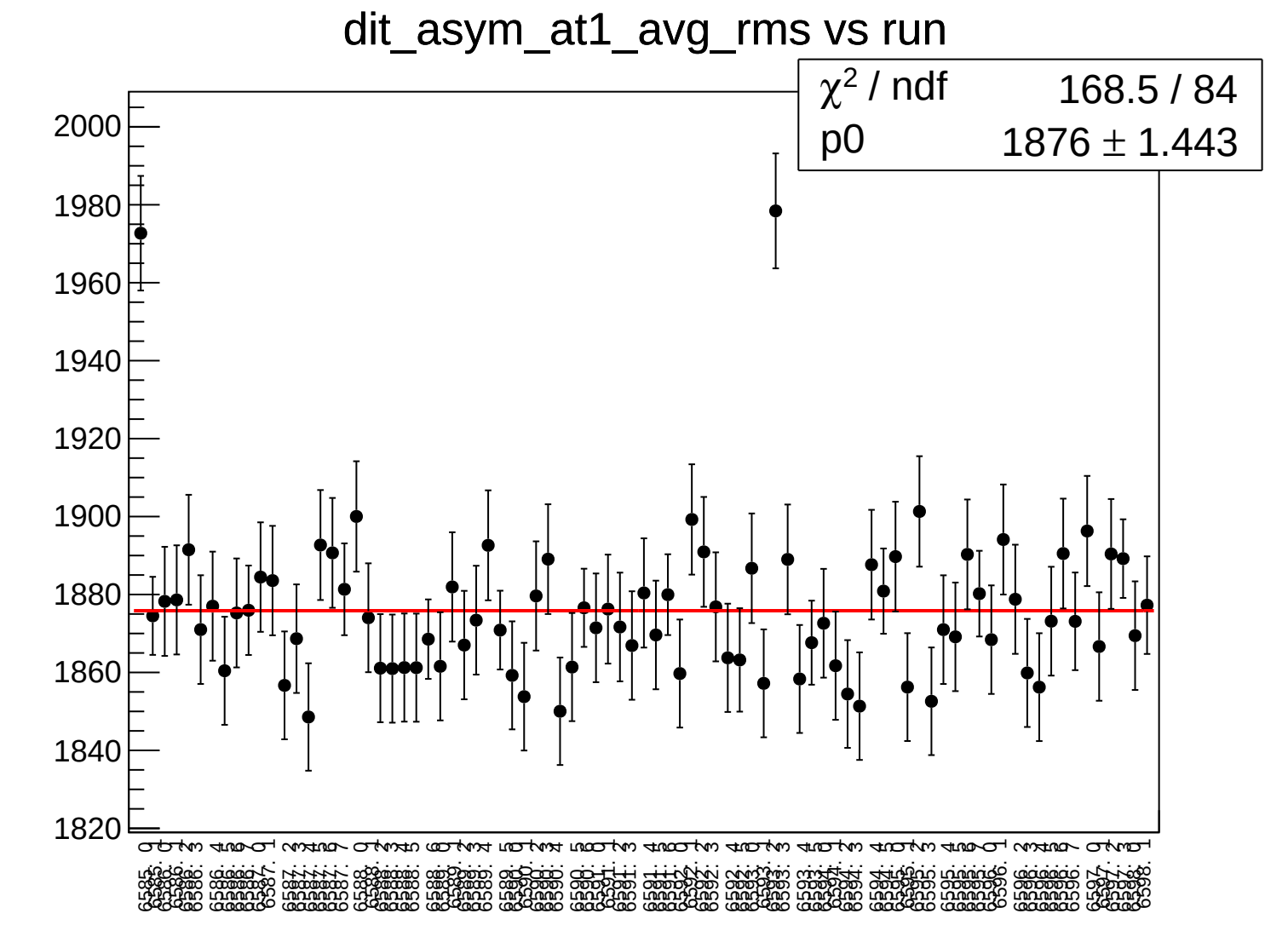

asym_usr_mean vs run
χ² / ndf 99.95 / 84
p0 −3968 ± 2014
pull
Entries 85
Mean 260.5
Std Dev 229.2

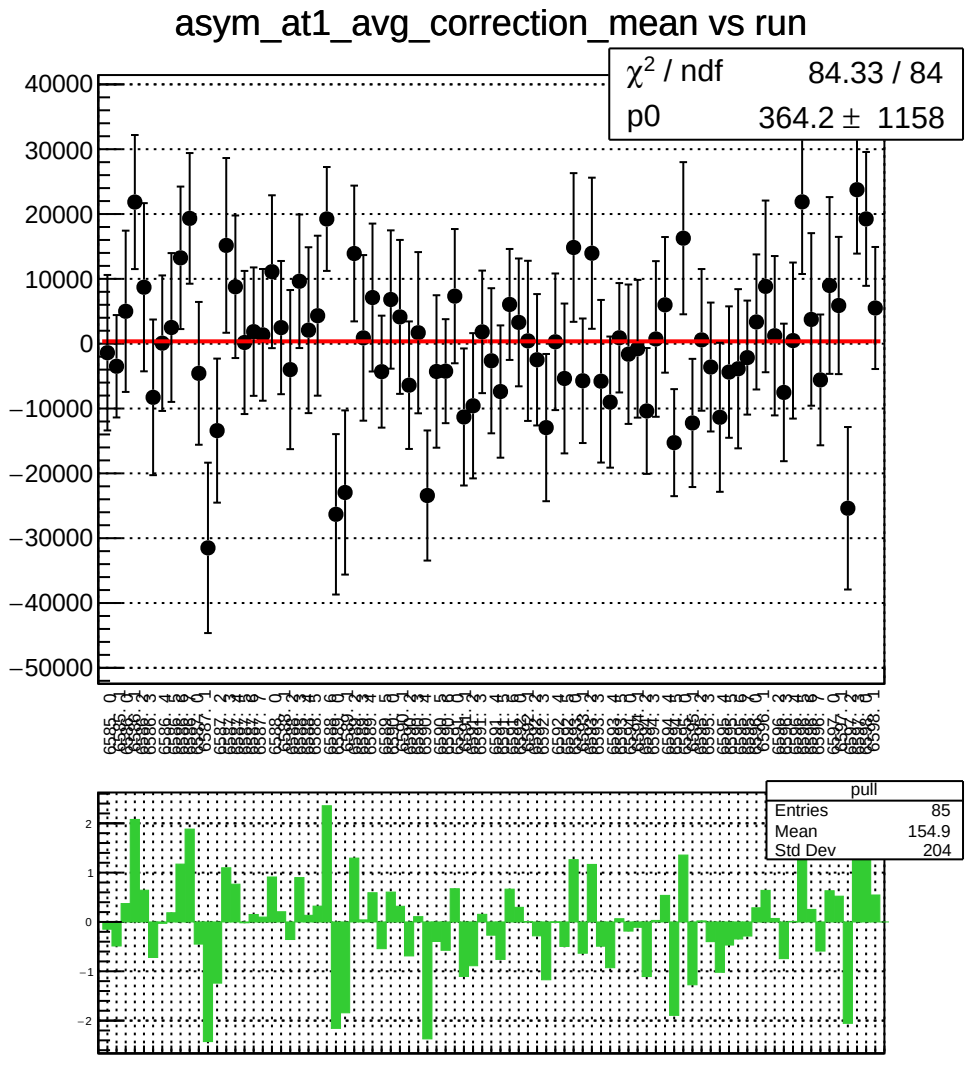

pull1D
Entries 85
Mean 0.01451
Std Dev 1.084

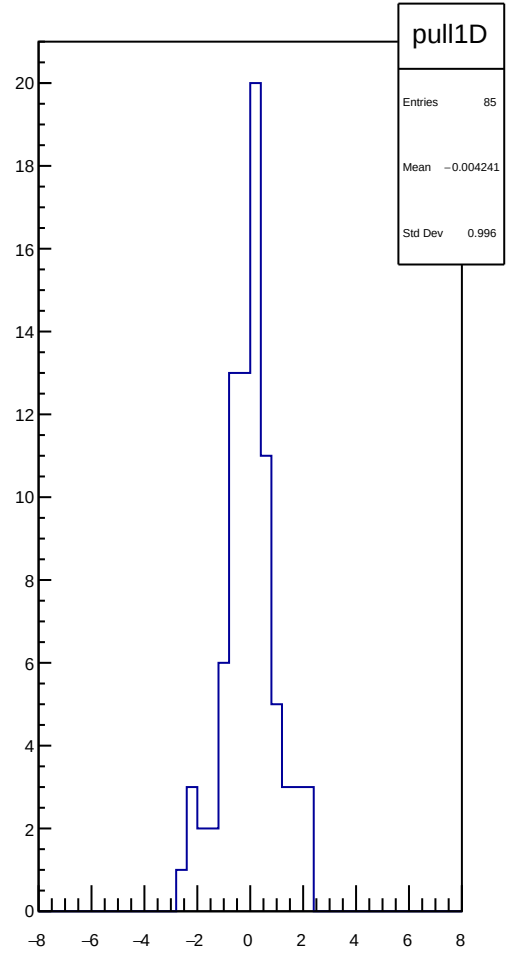

asym_usr_rms vs run
χ² / ndf 6584 / 84
p0 1847 ± 1.424
2200
2100
2000
1900
1800
1700
1600

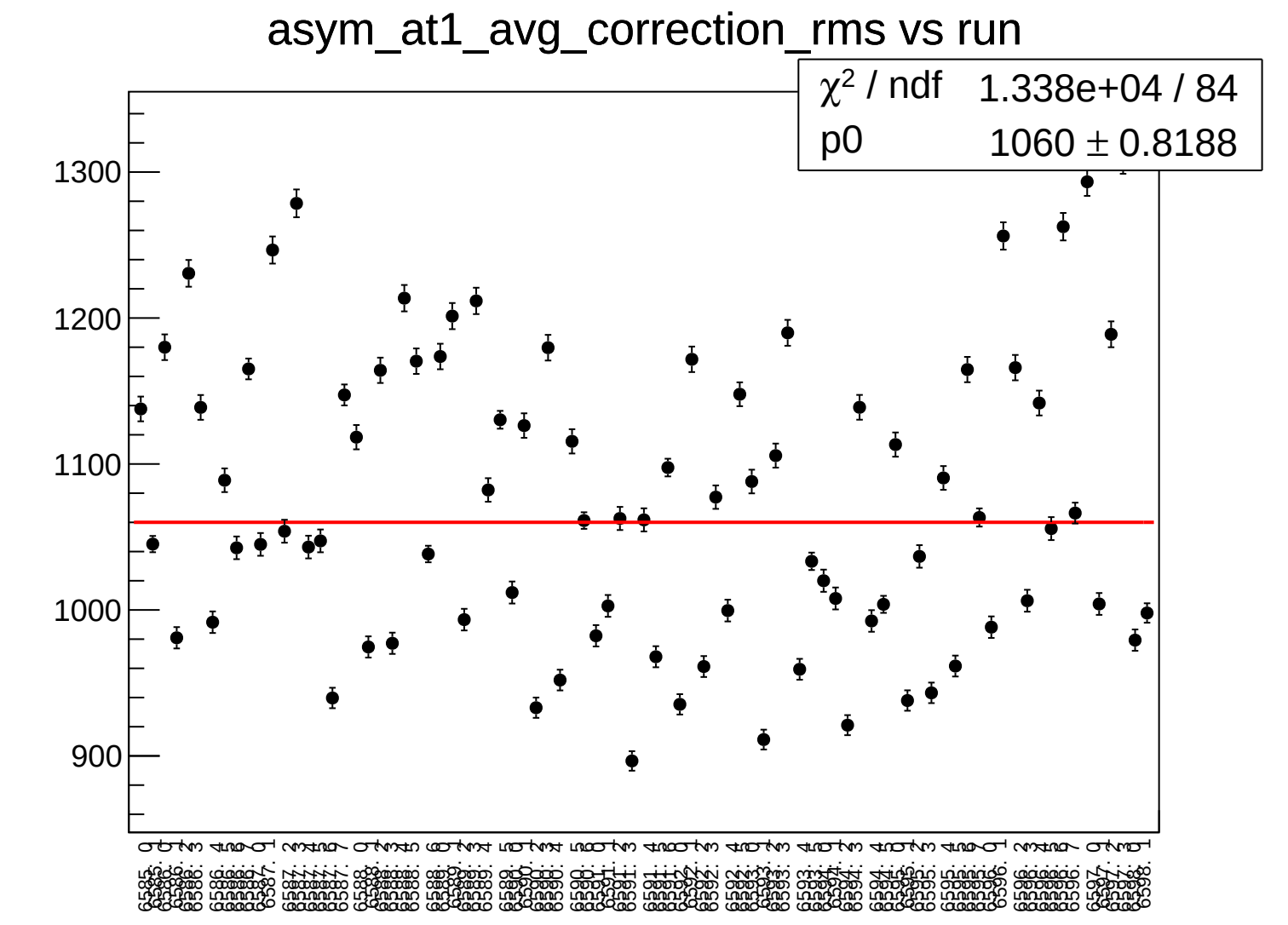

dit_asym_at1_avg_mean vs run
χ² / ndf 100.6 / 84
p0 −2111 ± 2041
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean 1099
Std Dev 1078
3
2
1
0
−1
−2
−3

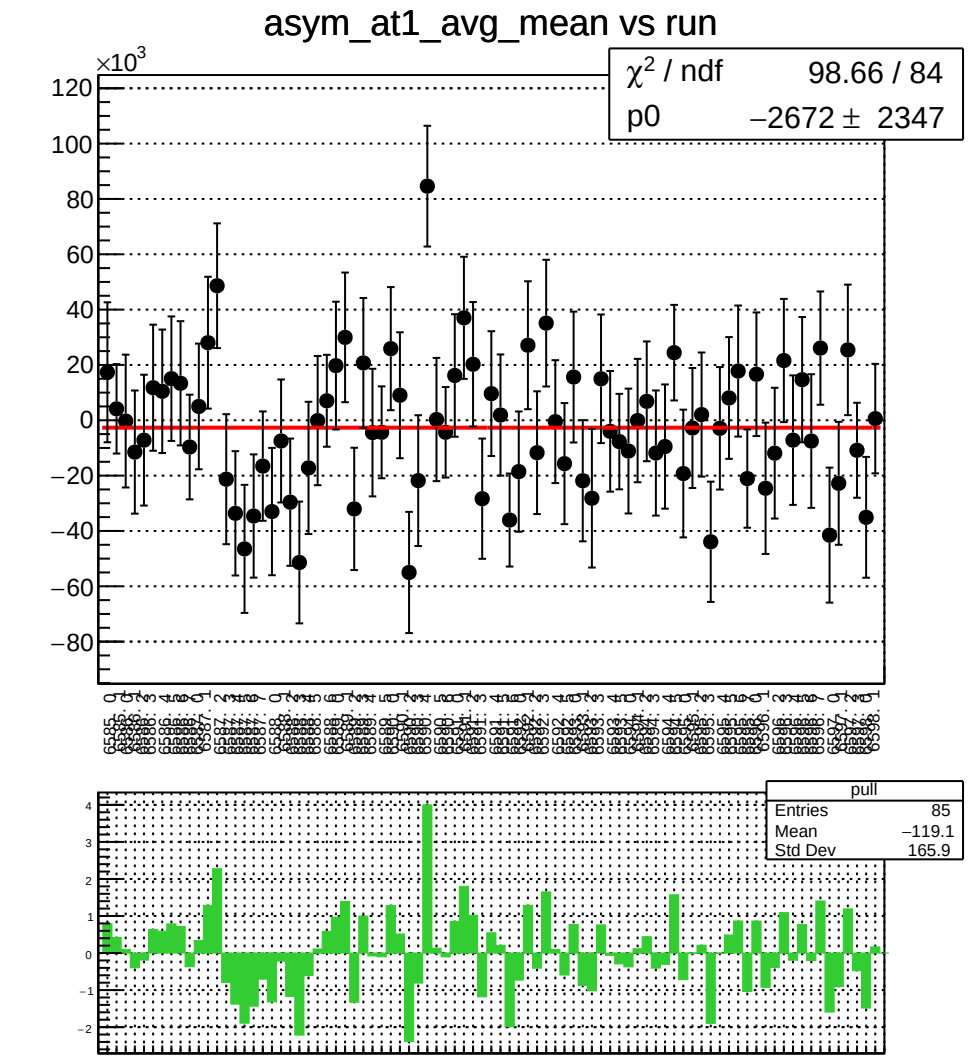

pull1D
Entries 85
Mean −0.001234
Std Dev 1.088
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

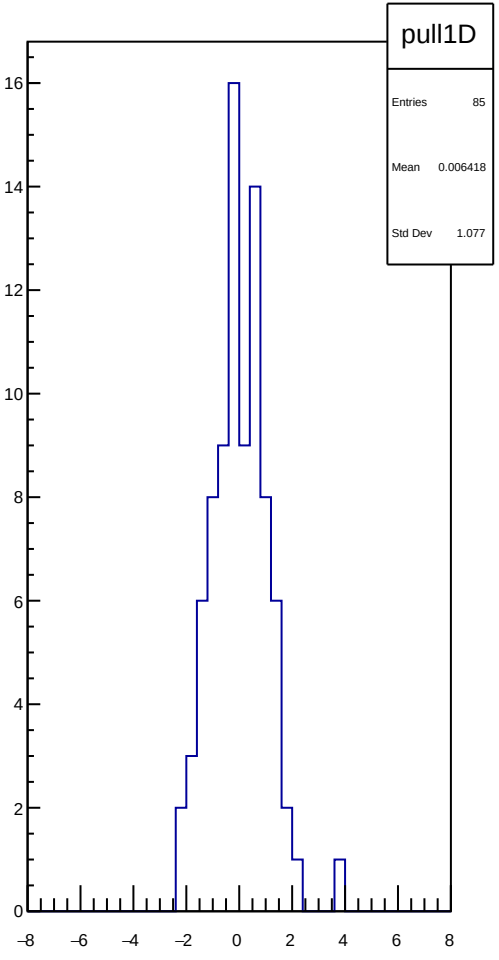

dit_asym_at1_avg_rms vs run
χ² / ndf 168.5 / 84
p0 1876 ± 1.443
2000
1980
1960
1940
1920
1900
1880
1860
1840
1820

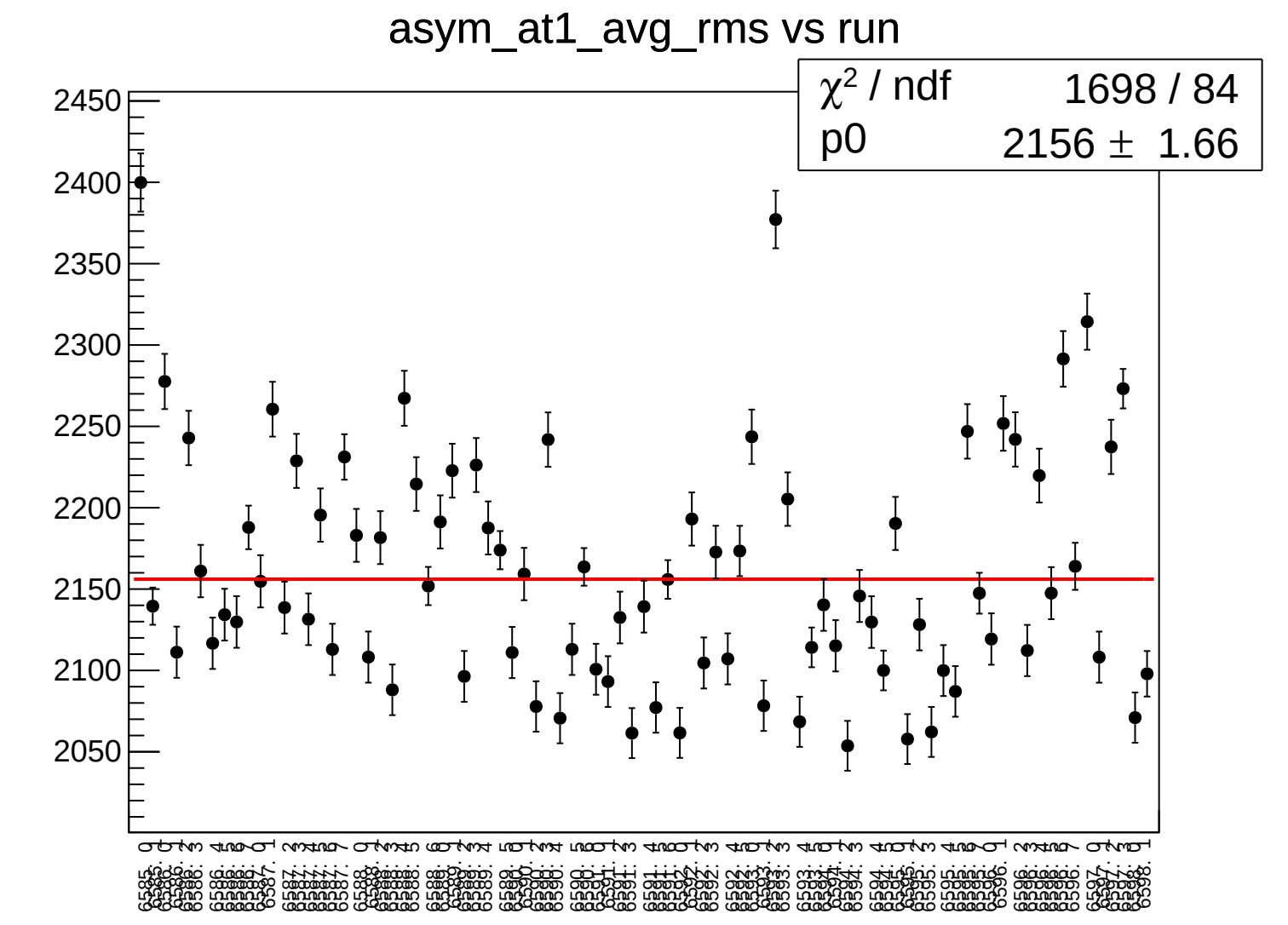

asym_at1_avg_correction_mean vs run
χ² / ndf 84.33 / 84
p0 364.2 ± 1158
pull
Entries 85
Mean 154.9
Std Dev 204

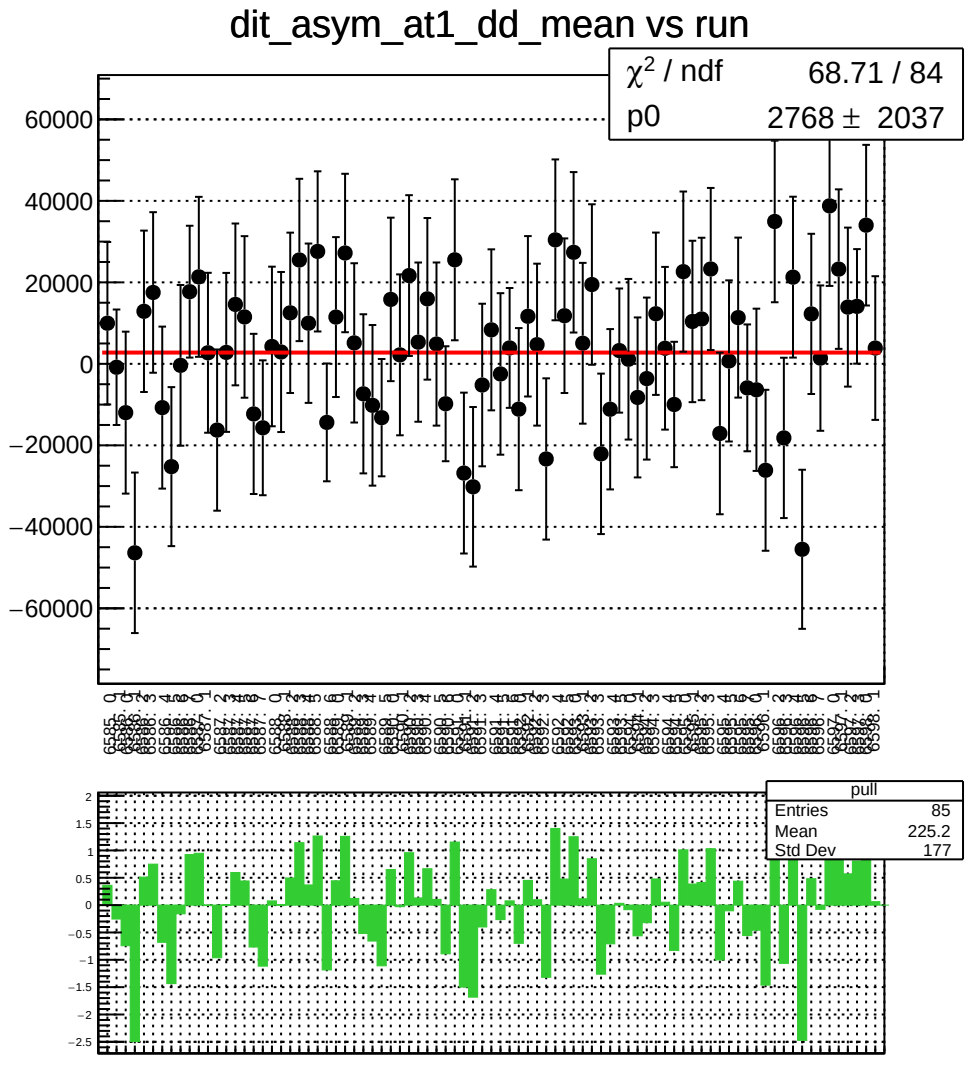

pull1D
Entries 85
Mean −0.004241
Std Dev 0.996

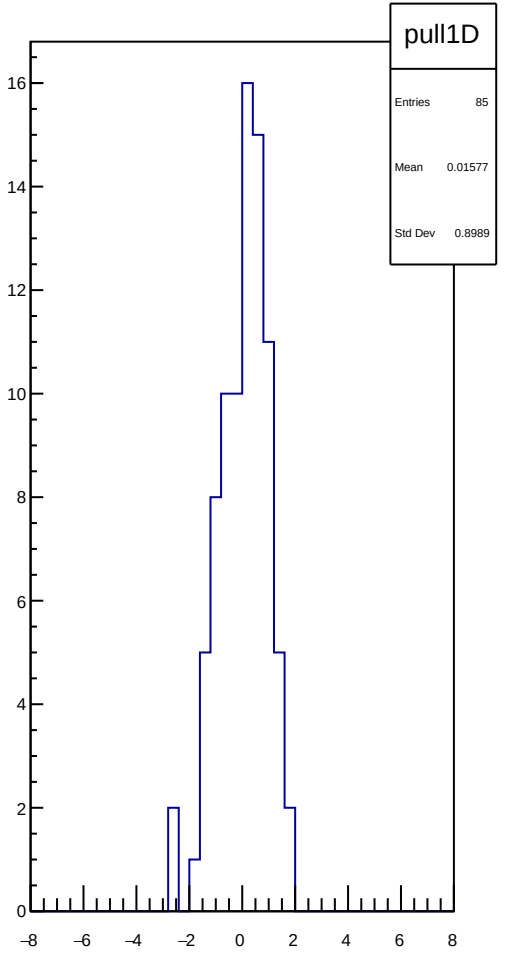

asym_at1_avg_correction_rms vs run
χ² / ndf 1.338e+04 / 84
p0 1060 ± 0.8188
1300
1200
1100
1000
900

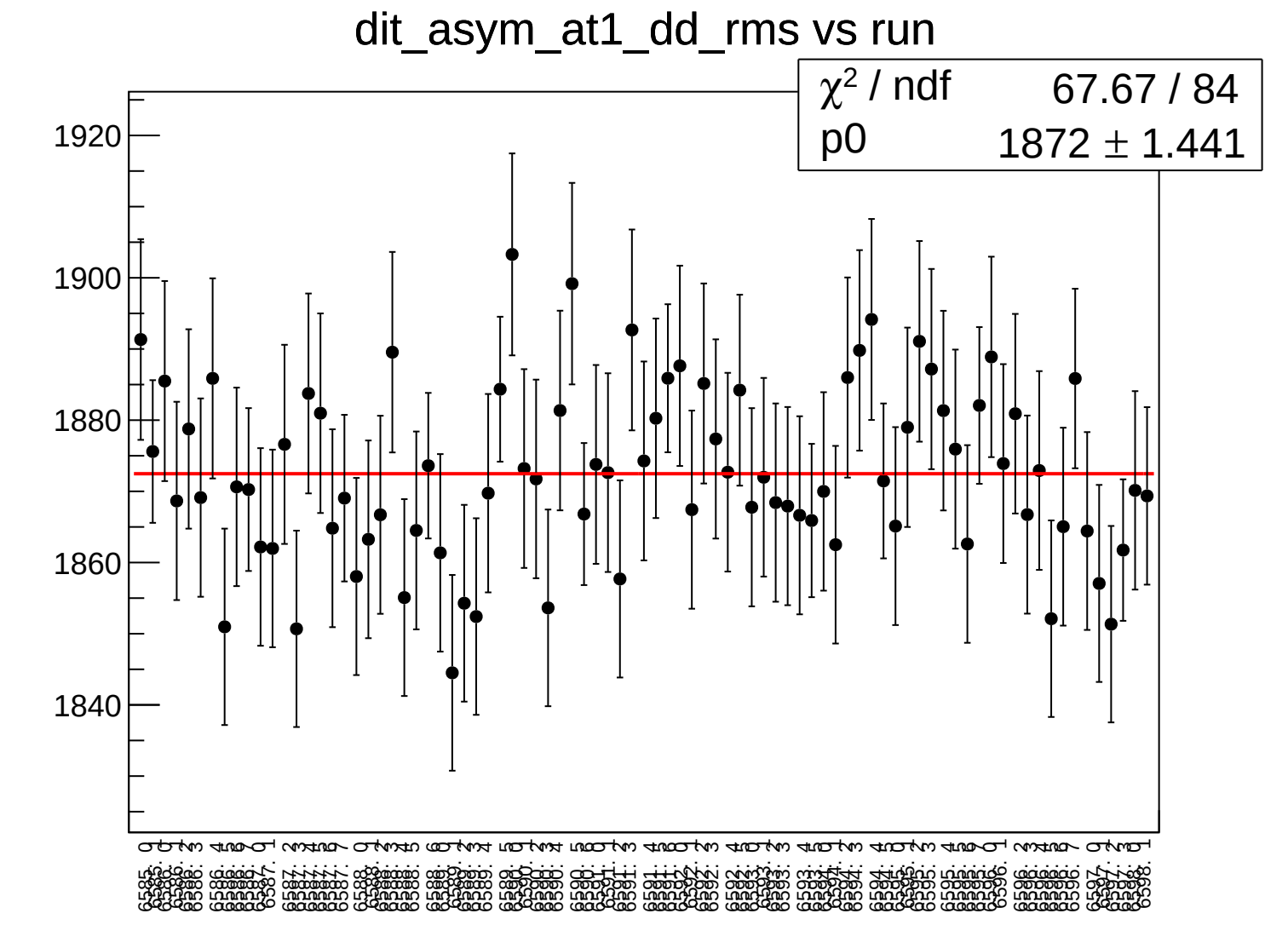

asym_at1_avg_mean vs run
×10^3
χ² / ndf 98.66 / 84
p0 −2672 ± 2347
pull
Entries 85
Mean −119.1
Std Dev 165.9

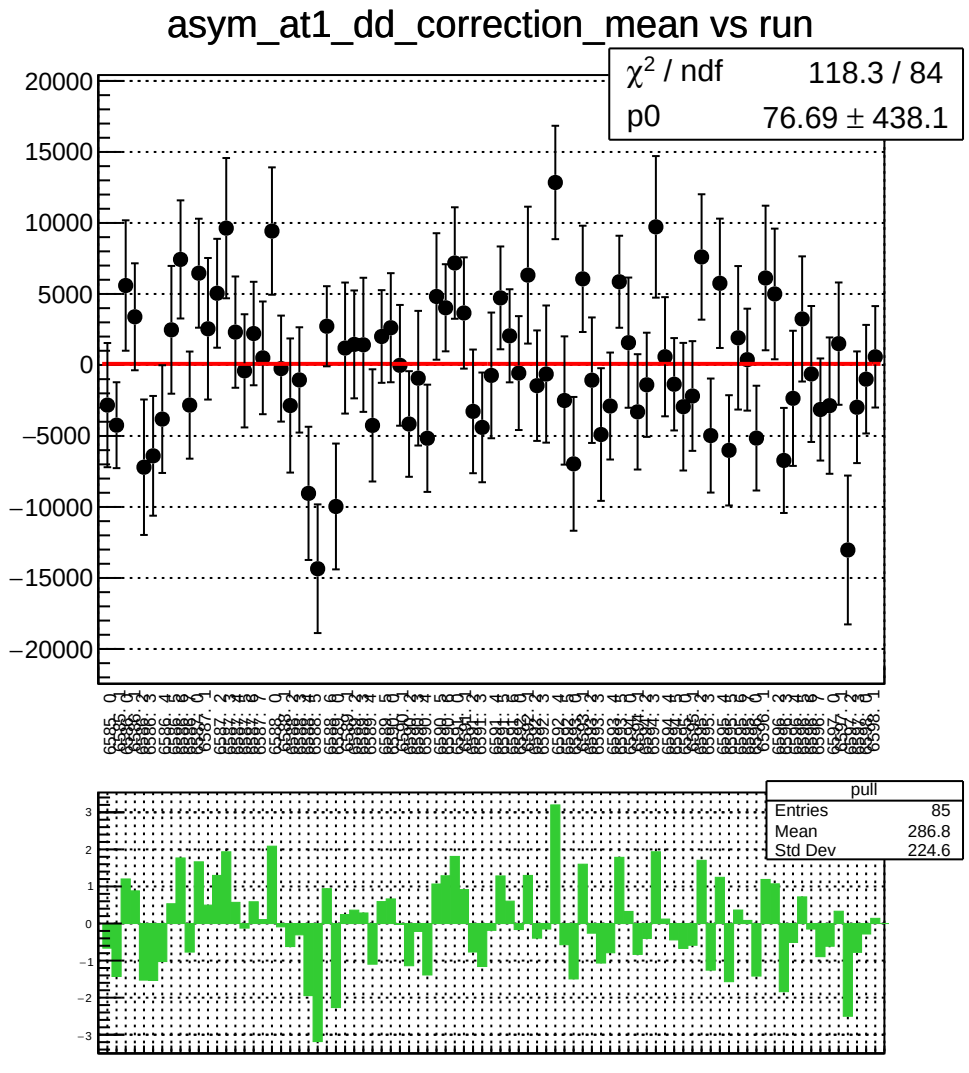

pull1D
Entries 85
Mean 0.006418
Std Dev 1.077

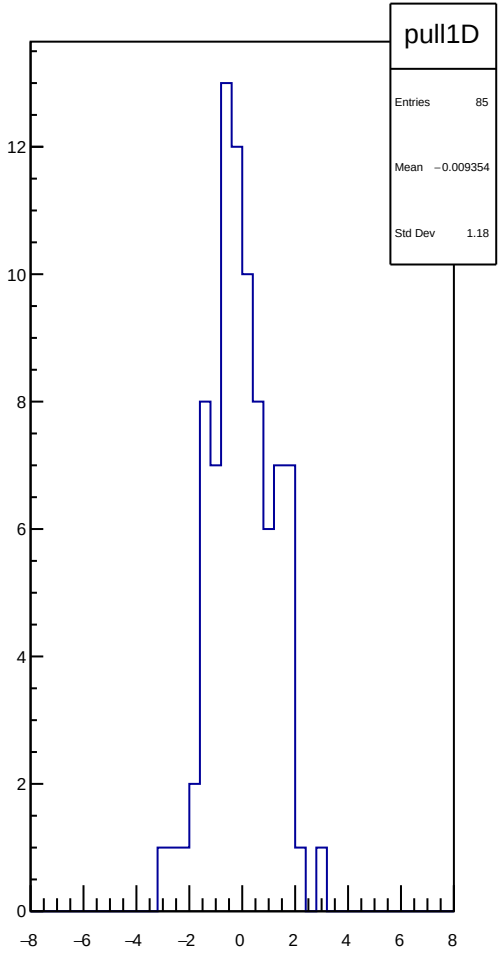

asym_at1_avg_rms vs run
χ² / ndf 1698 / 84
p0 2156 ± 1.66
2450
2400
2350
2300
2250
2200
2150
2100
2050

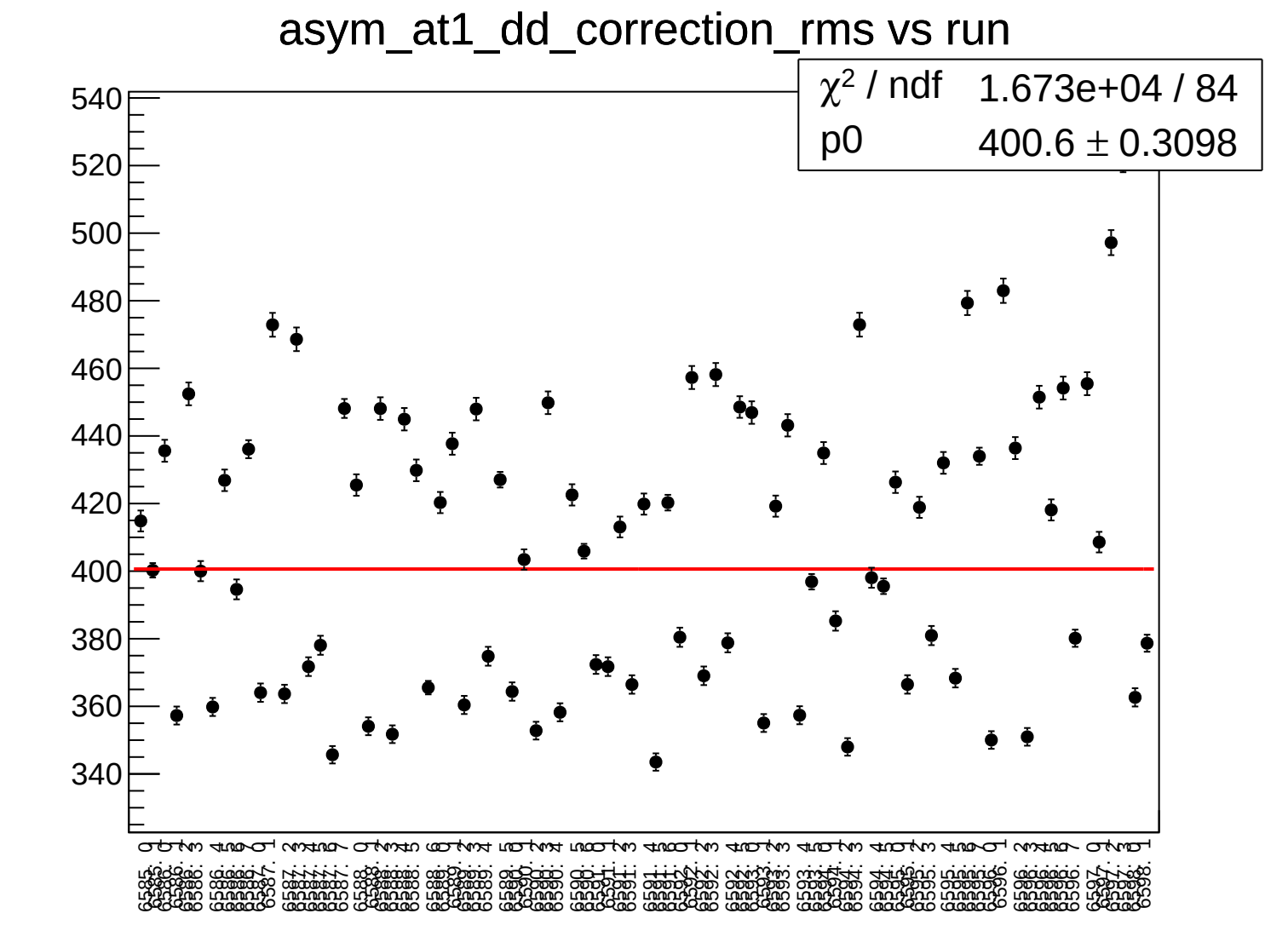

dit_asym_at1_dd_mean vs run
χ² / ndf 68.71 / 84
p0 2768 ± 2037
pull
Entries 85
Mean 225.2
Std Dev 177

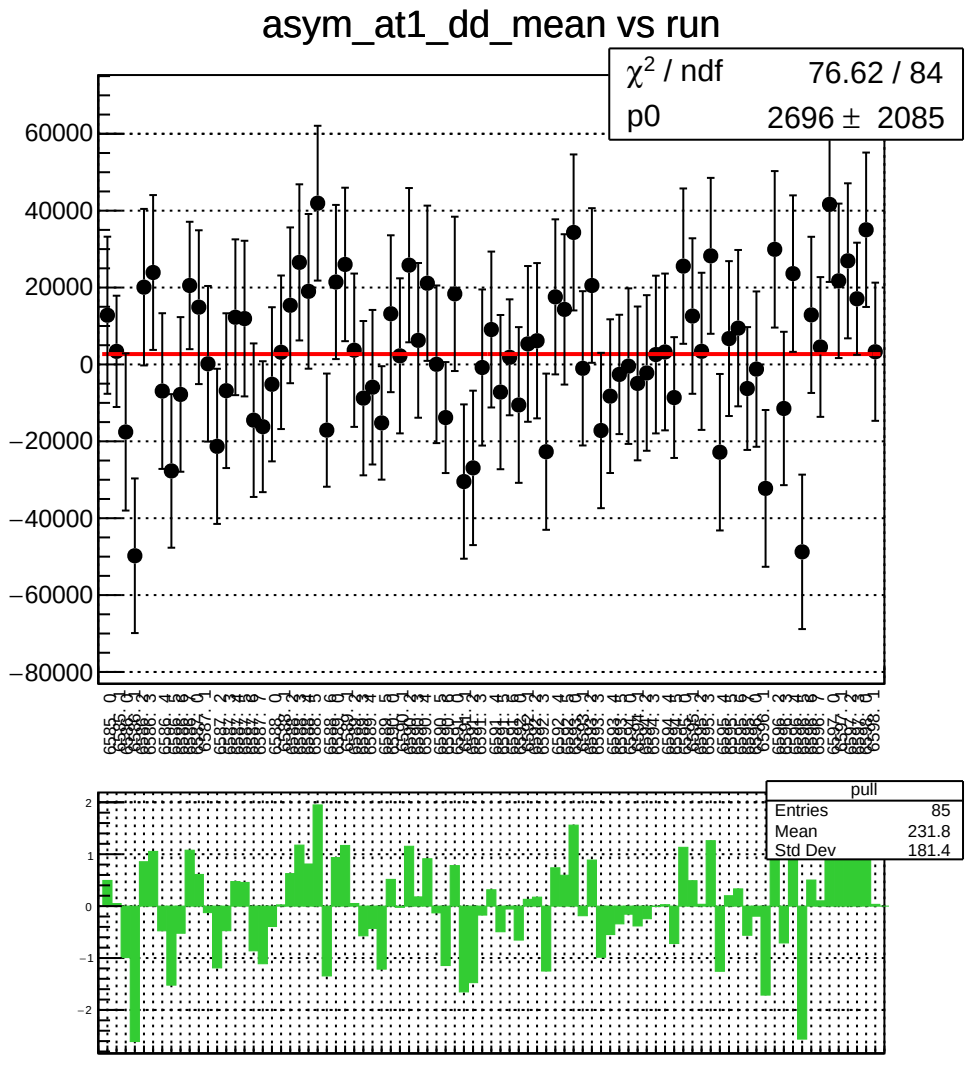

pull1D
Entries 85
Mean 0.01577
Std Dev 0.8989

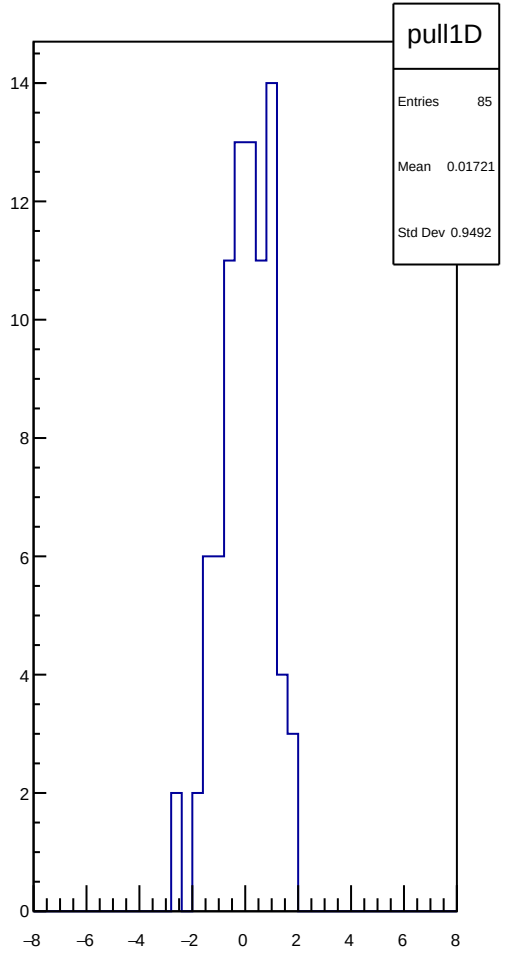

dit_asym_at1_dd_rms vs run
χ^2 / ndf 67.67 / 84
p0 1872 ± 1.441
1920
1900
1880
1860
1840

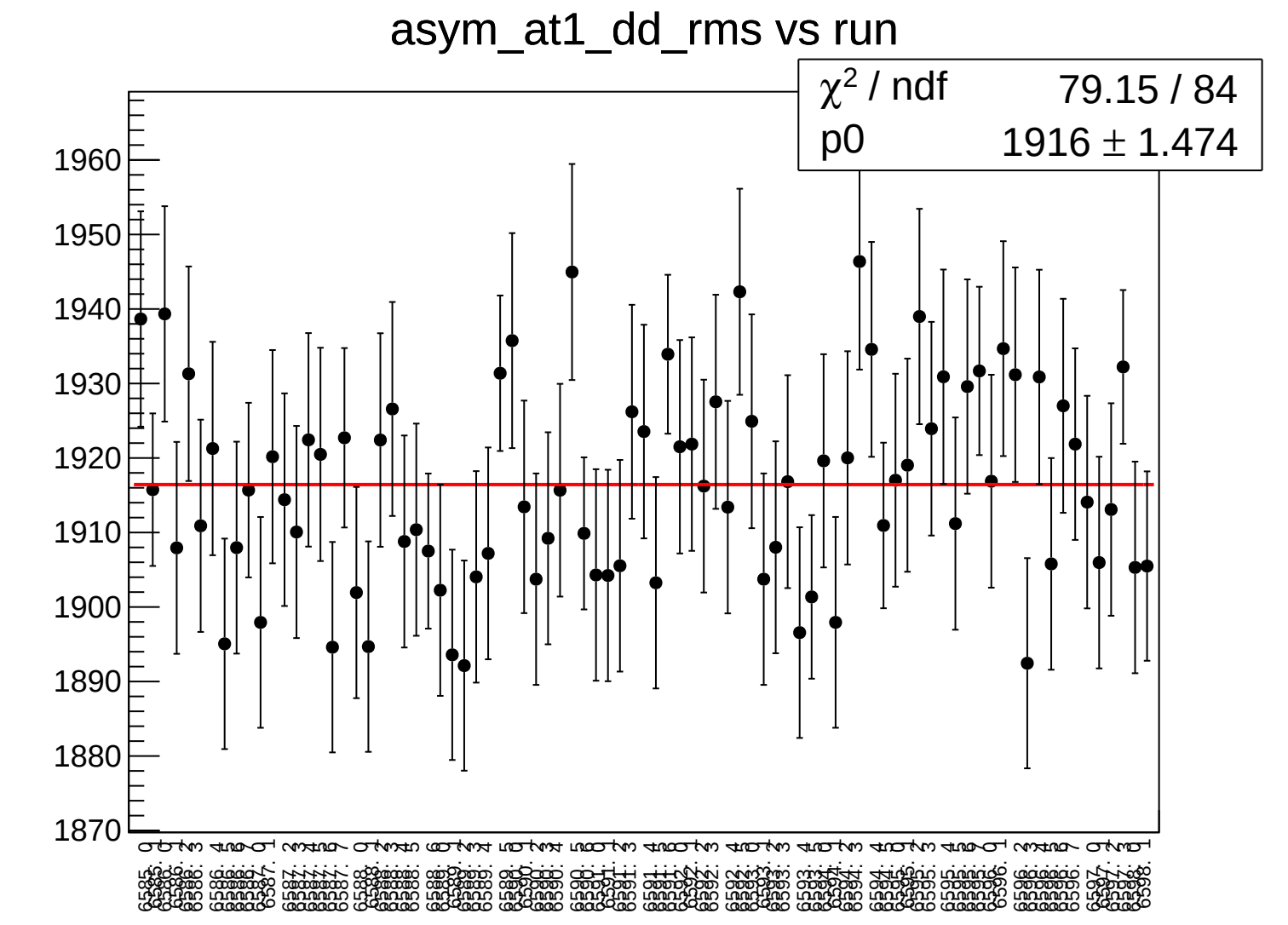

asym_at1_dd_correction_mean vs run
χ² / ndf 118.3 / 84
p0 76.69 ± 438.1
pull
Entries 85
Mean 286.8
Std Dev 224.6

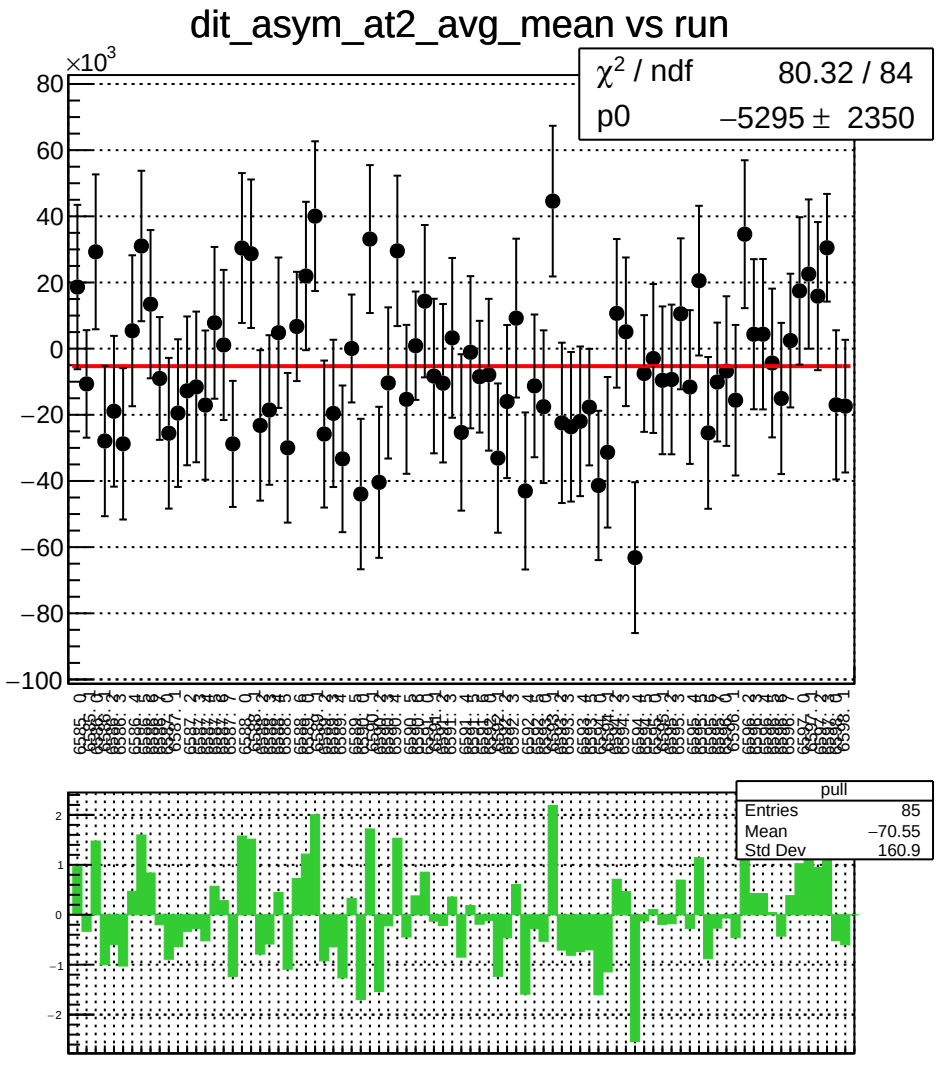

pull1D
Entries 85
Mean −0.009354
Std Dev 1.18

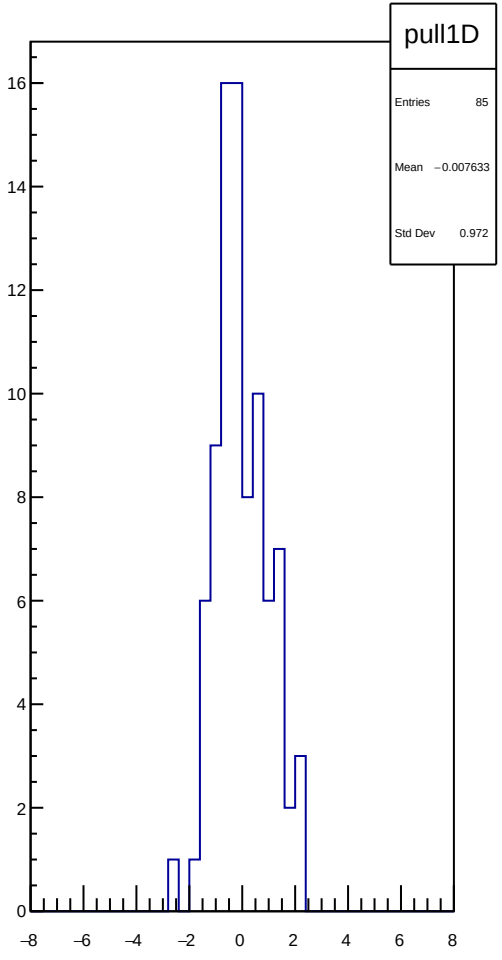

asym_at1_dd_correction_rms vs run
χ² / ndf 1.673e+04 / 84
p0 400.6 ± 0.3098
540
520
500
480
460
440
420
400
380
360
340

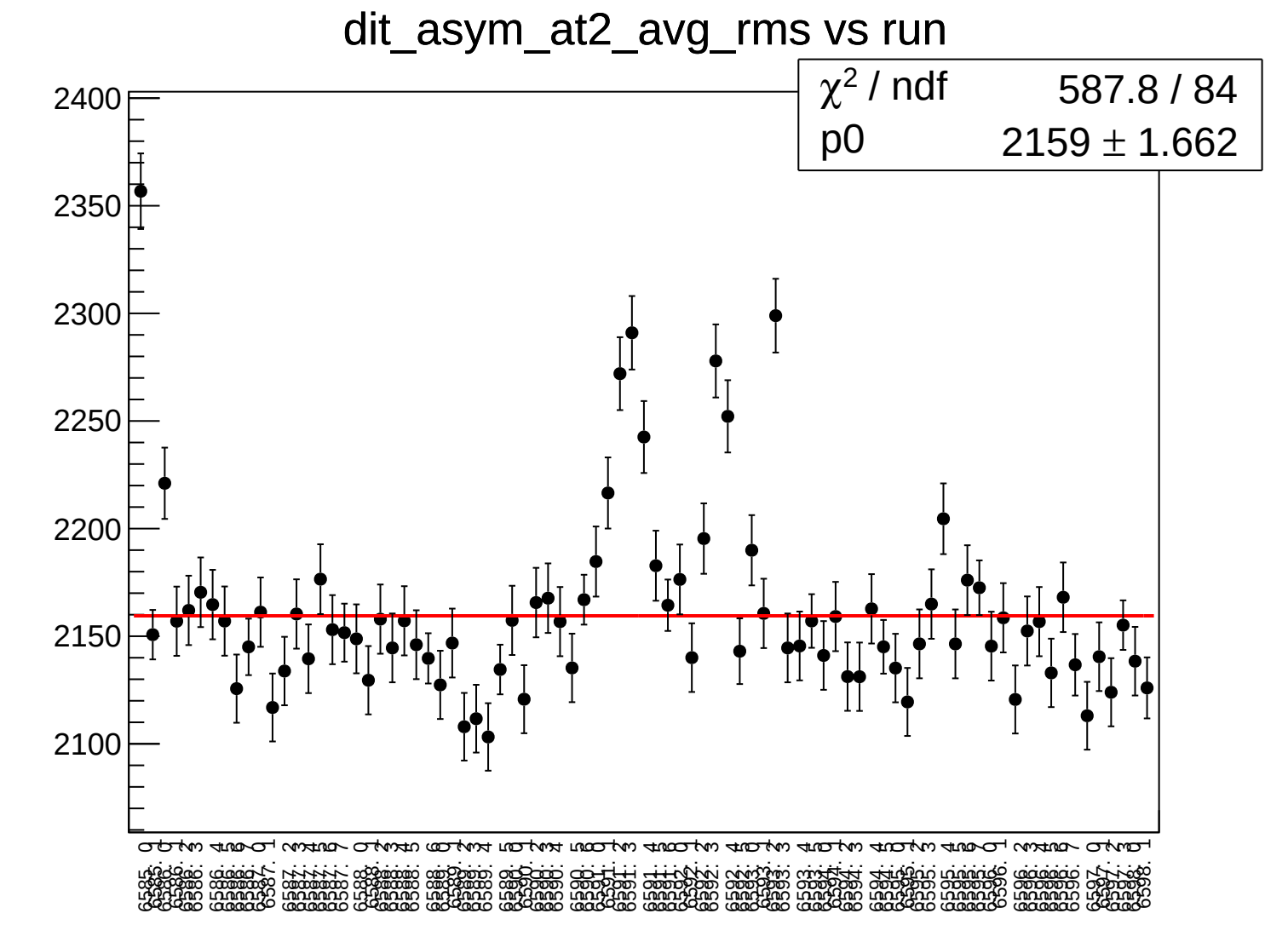

asym_at1_dd_mean vs run
χ² / ndf 76.62 / 84
p0 2696 ± 2085
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean 231.8
Std Dev 181.4
2
1
0
−1
−2

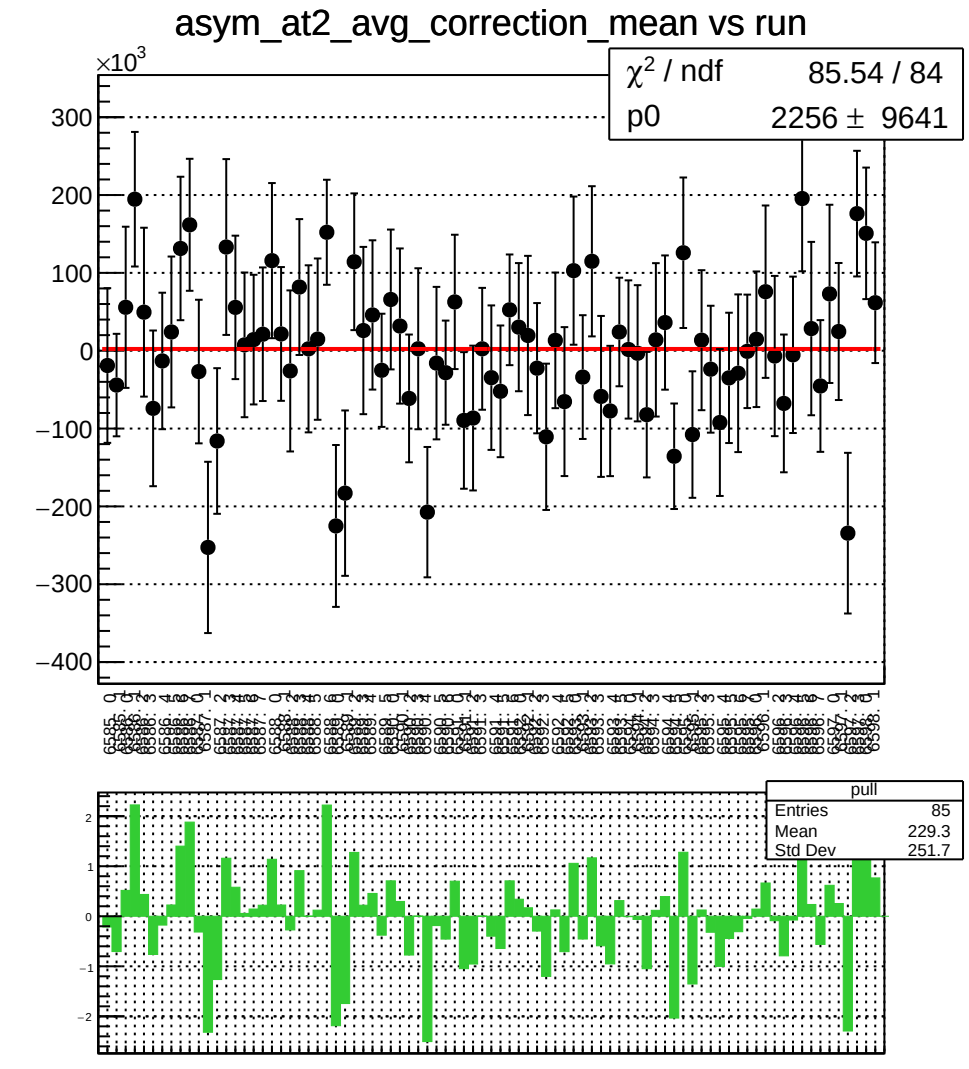

pull1D
Entries 85
Mean 0.01721
Std Dev 0.9492
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

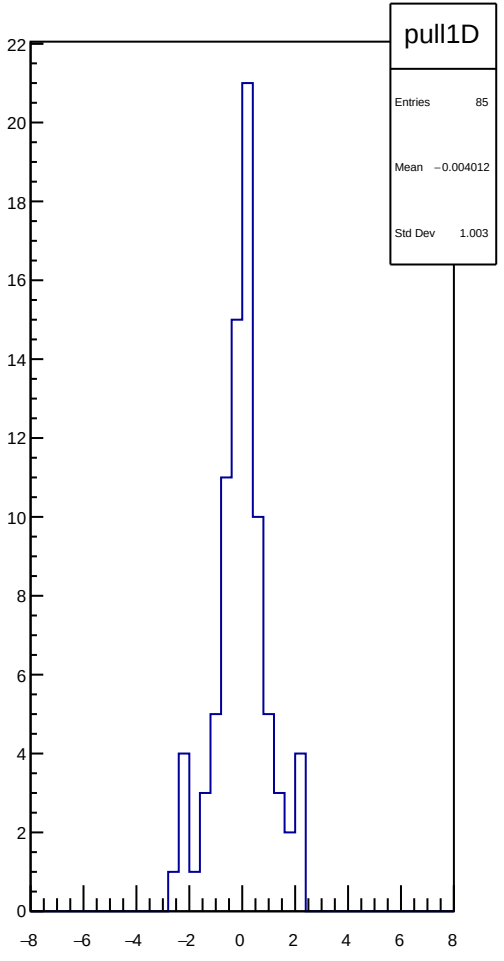

asym_at1_dd_rms vs run
χ^2 / ndf 79.15 / 84
p0 1916 ± 1.474
1960
1950
1940
1930
1920
1910
1900
1890
1880
1870

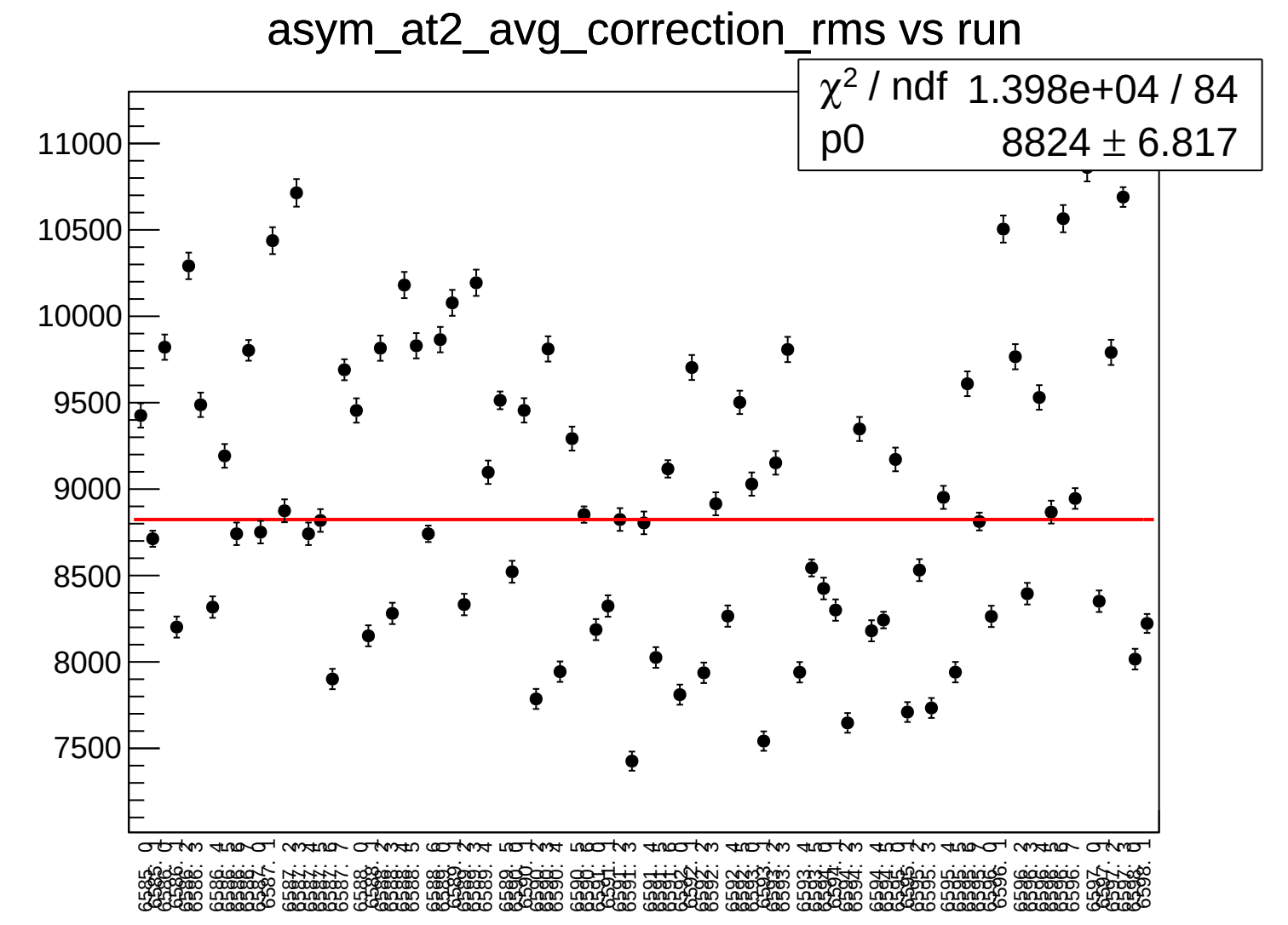

dit_asym_at2_avg_mean vs run
×10^3
χ² / ndf 80.32 / 84
p0 −5295 ± 2350
pull
Entries 85
Mean −70.55
Std Dev 160.9

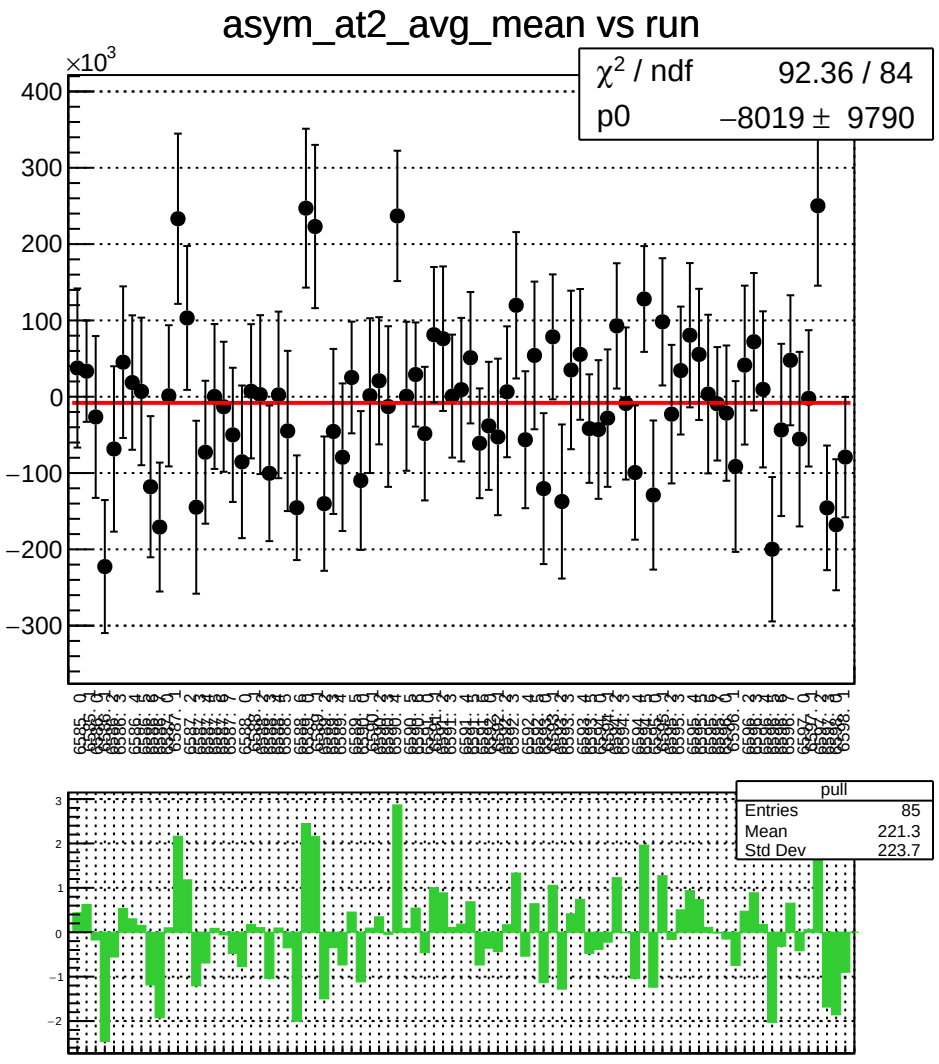

pull1D
Entries 85
Mean −0.007633
Std Dev 0.972

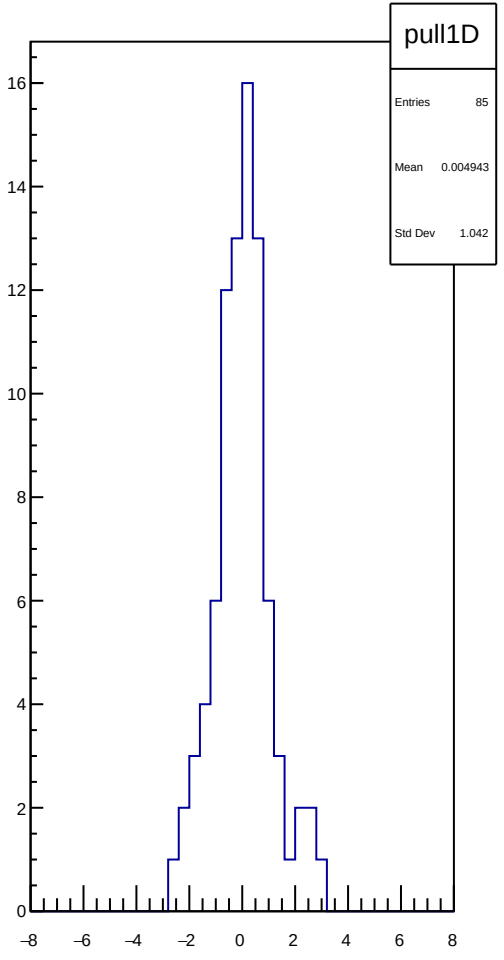

dit_asym_at2_avg_rms vs run
χ² / ndf 587.8 / 84
p0 2159 ± 1.662
2400
2350
2300
2250
2200
2150
2100

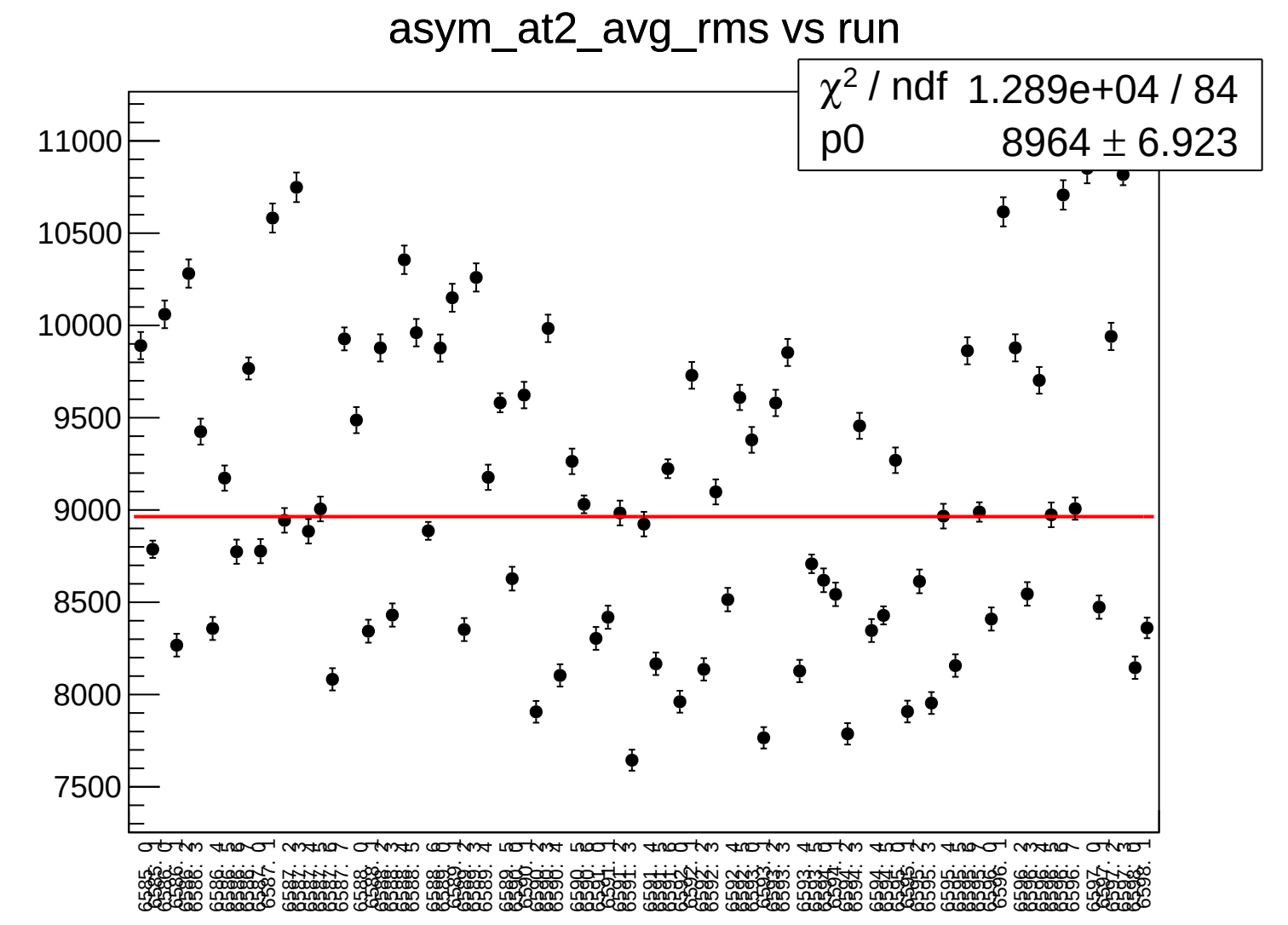

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 85.54 / 84
p0 2256 ± 9641
pull
Entries 85
Mean 229.3
Std Dev 251.7

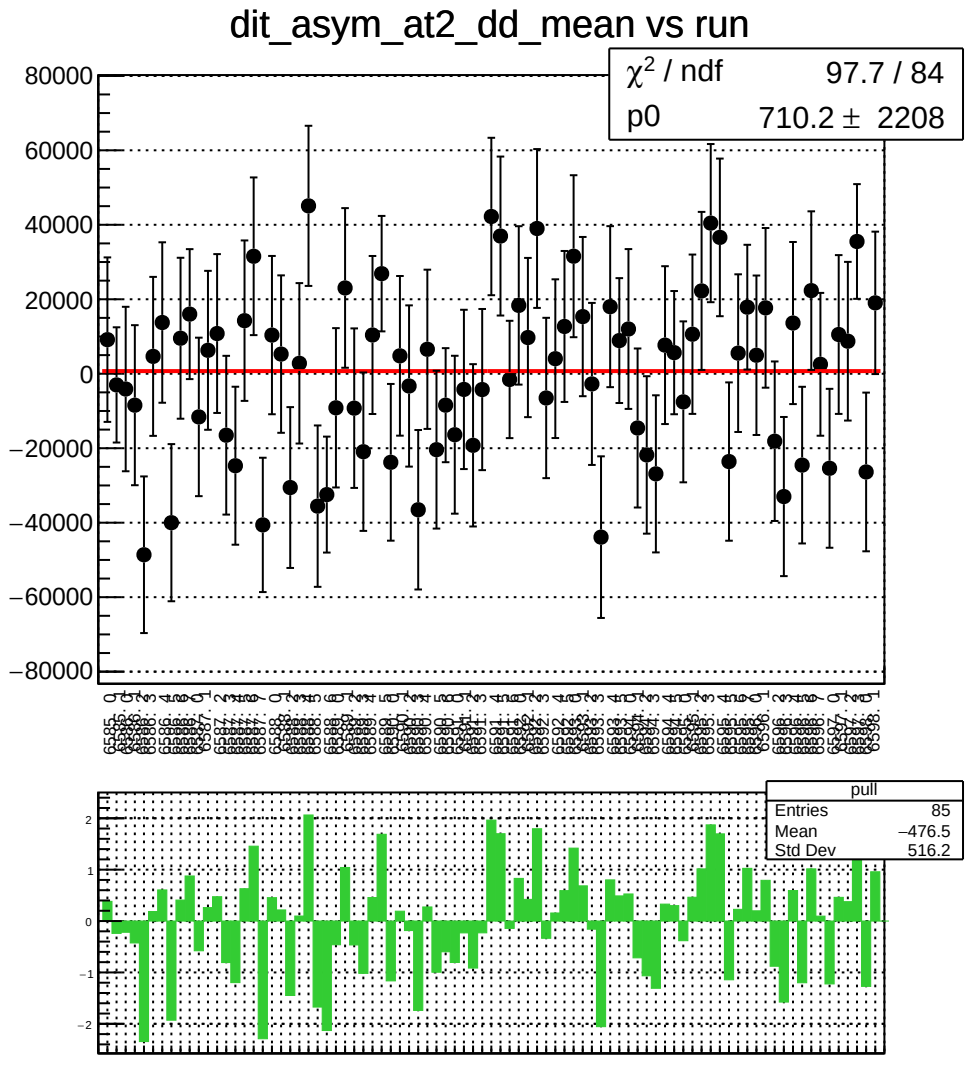

pull1D
Entries 85
Mean −0.004012
Std Dev 1.003

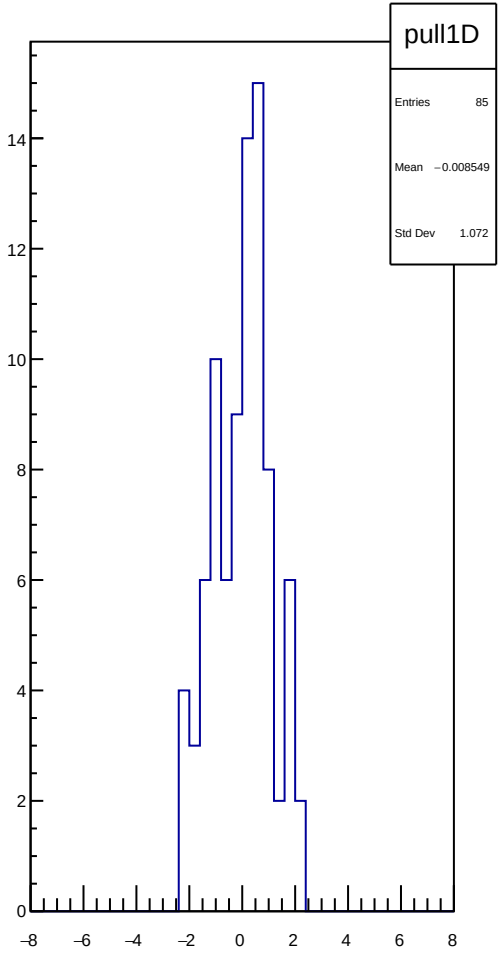

asym_at2_avg_correction_rms vs run
χ² / ndf 1.398e+04 / 84
p0 8824 ± 6.817
11000
10500
10000
9500
9000
8500
8000
7500

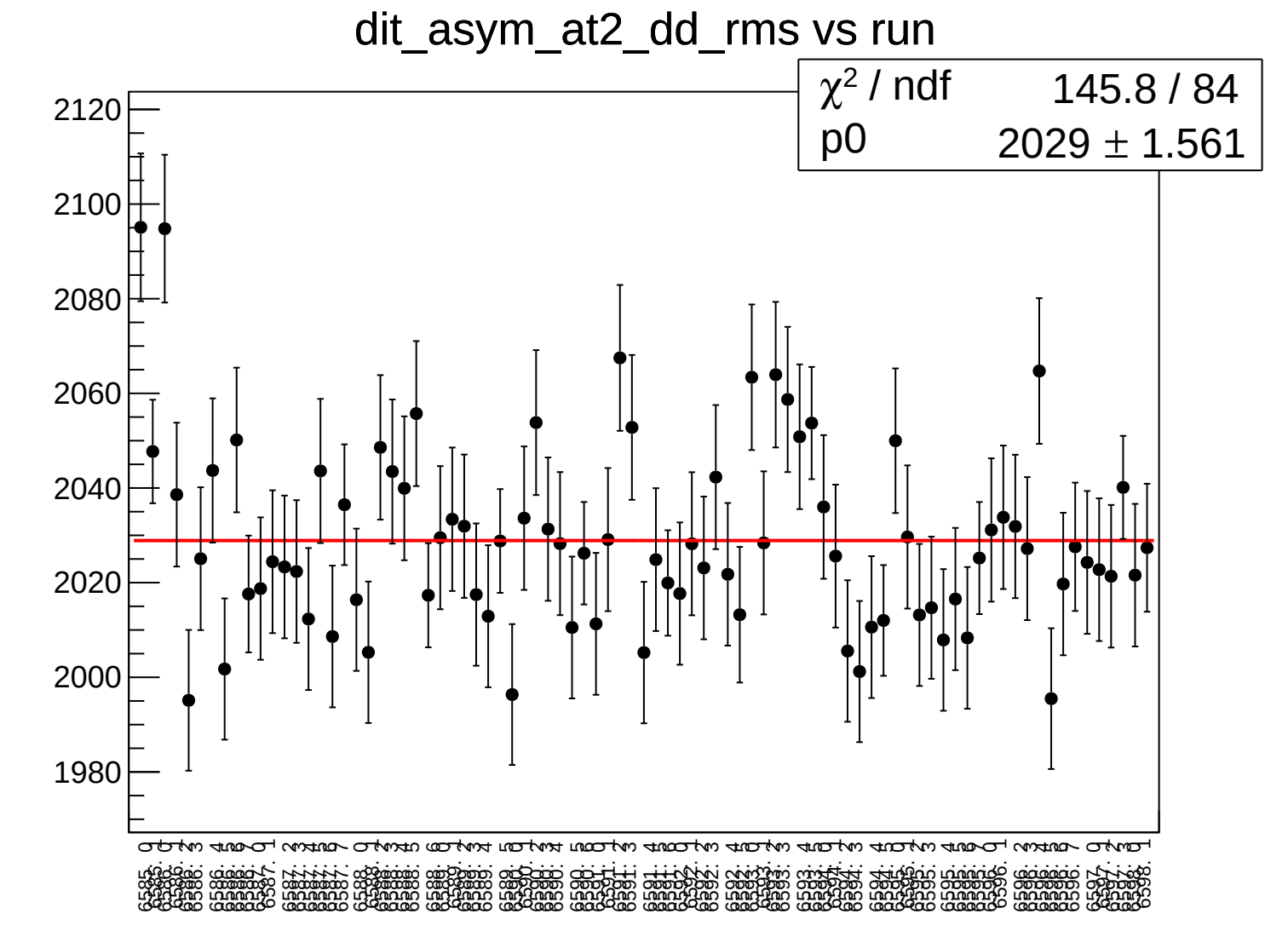

asym_at2_avg_mean vs run
×10^3
χ² / ndf 92.36 / 84
p0 −8019 ± 9790
pull
Entries 85
Mean 221.3
Std Dev 223.7

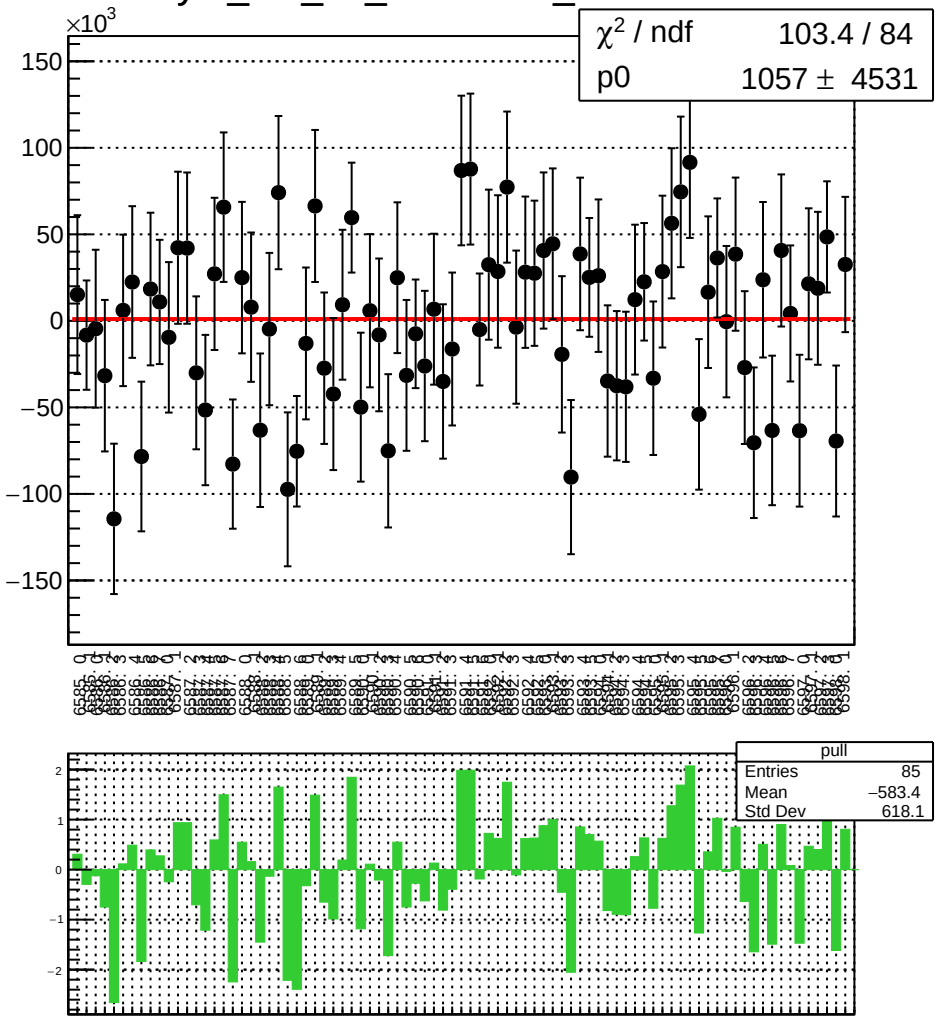

pull1D
Entries 85
Mean 0.004943
Std Dev 1.042

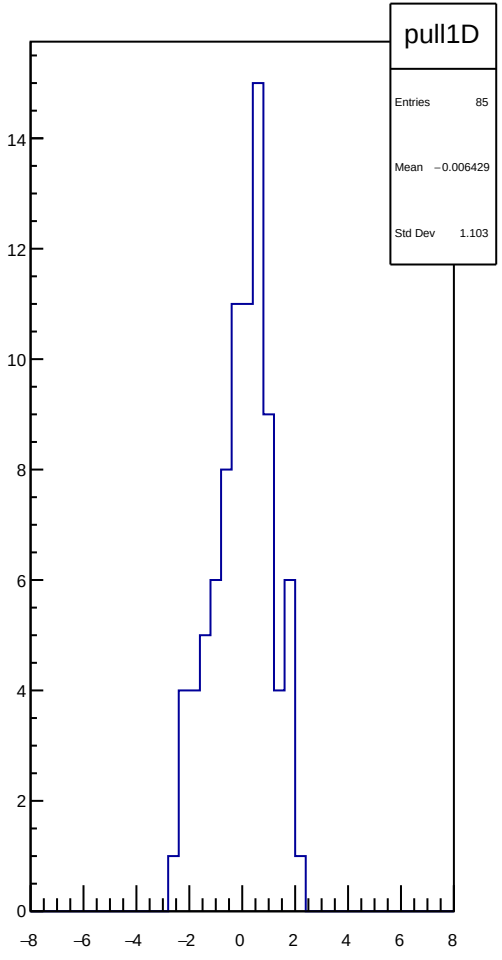

asym_at2_avg_rms vs run
χ² / ndf 1.289e+04 / 84
p0 8964 ± 6.923
11000
10500
10000
9500
9000
8500
8000
7500

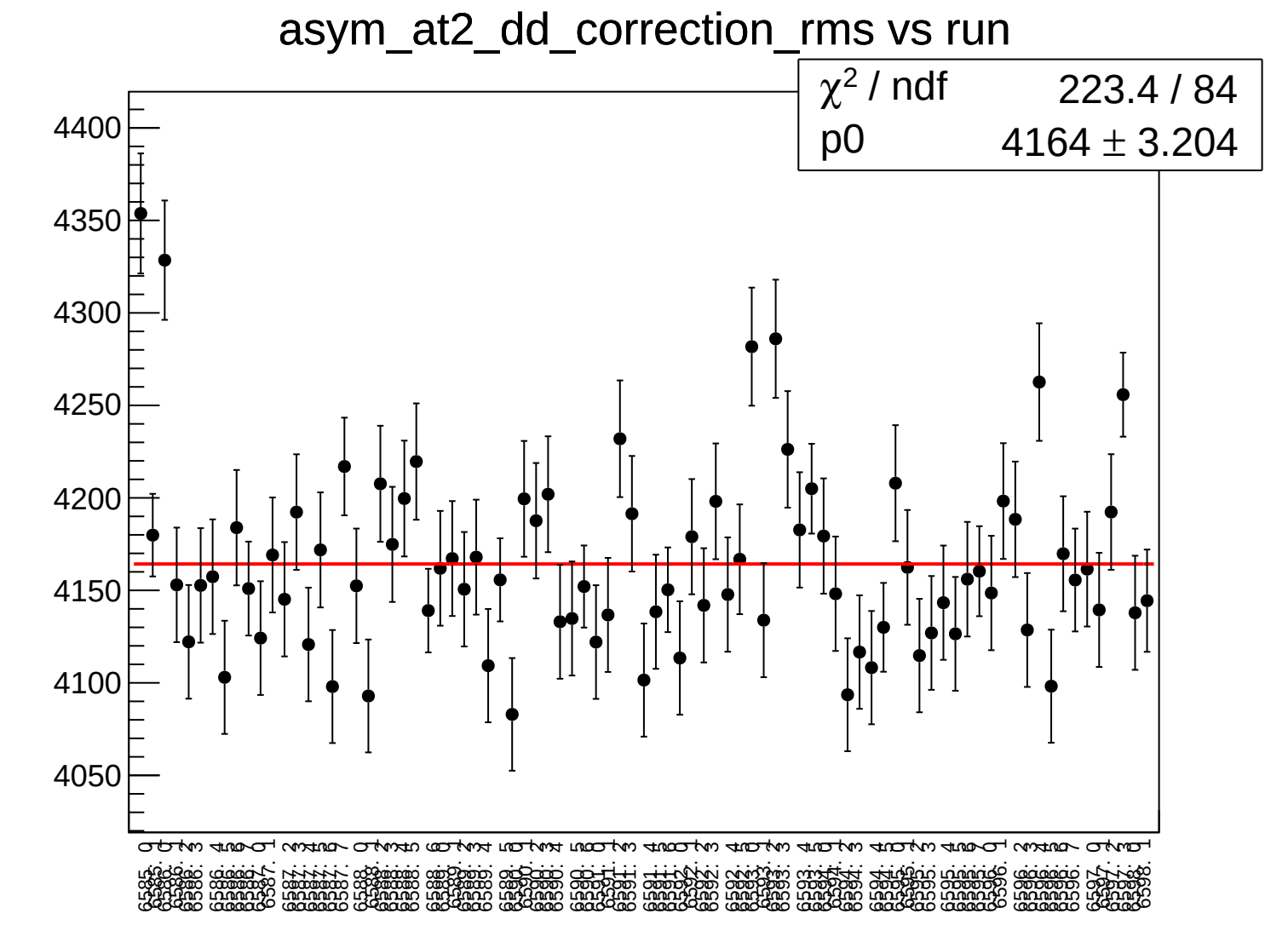

dit_asym_at2_dd_mean vs run
χ² / ndf 97.7 / 84
p0 710.2 ± 2208
pull
Entries 85
Mean −476.5
Std Dev 516.2

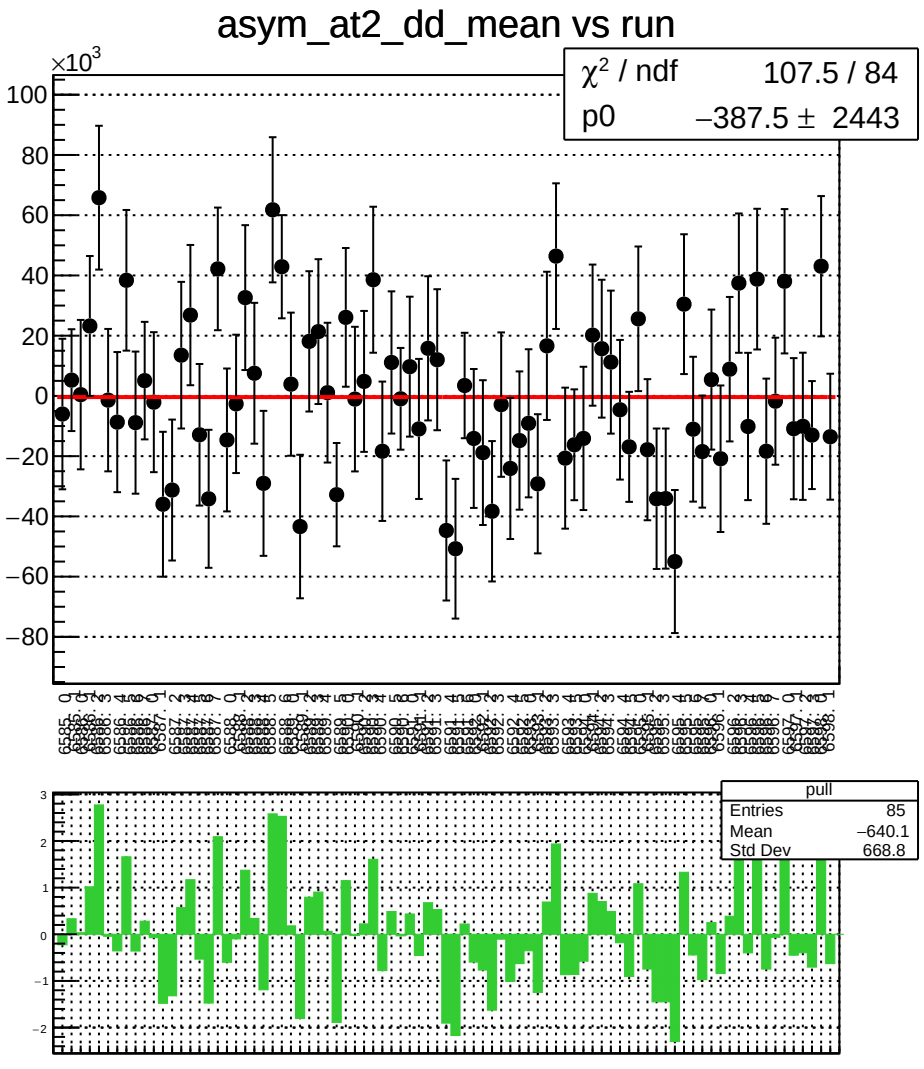

pull1D
Entries 85
Mean −0.008549
Std Dev 1.072

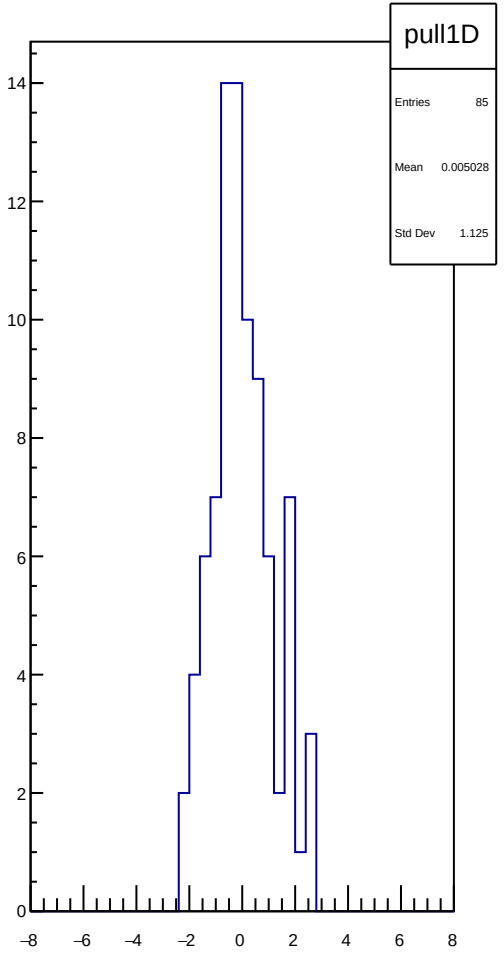

dit_asym_at2_dd_rms vs run
χ² / ndf 145.8 / 84
p0 2029 ± 1.561
2120
2100
2080
2060
2040
2020
2000
1980

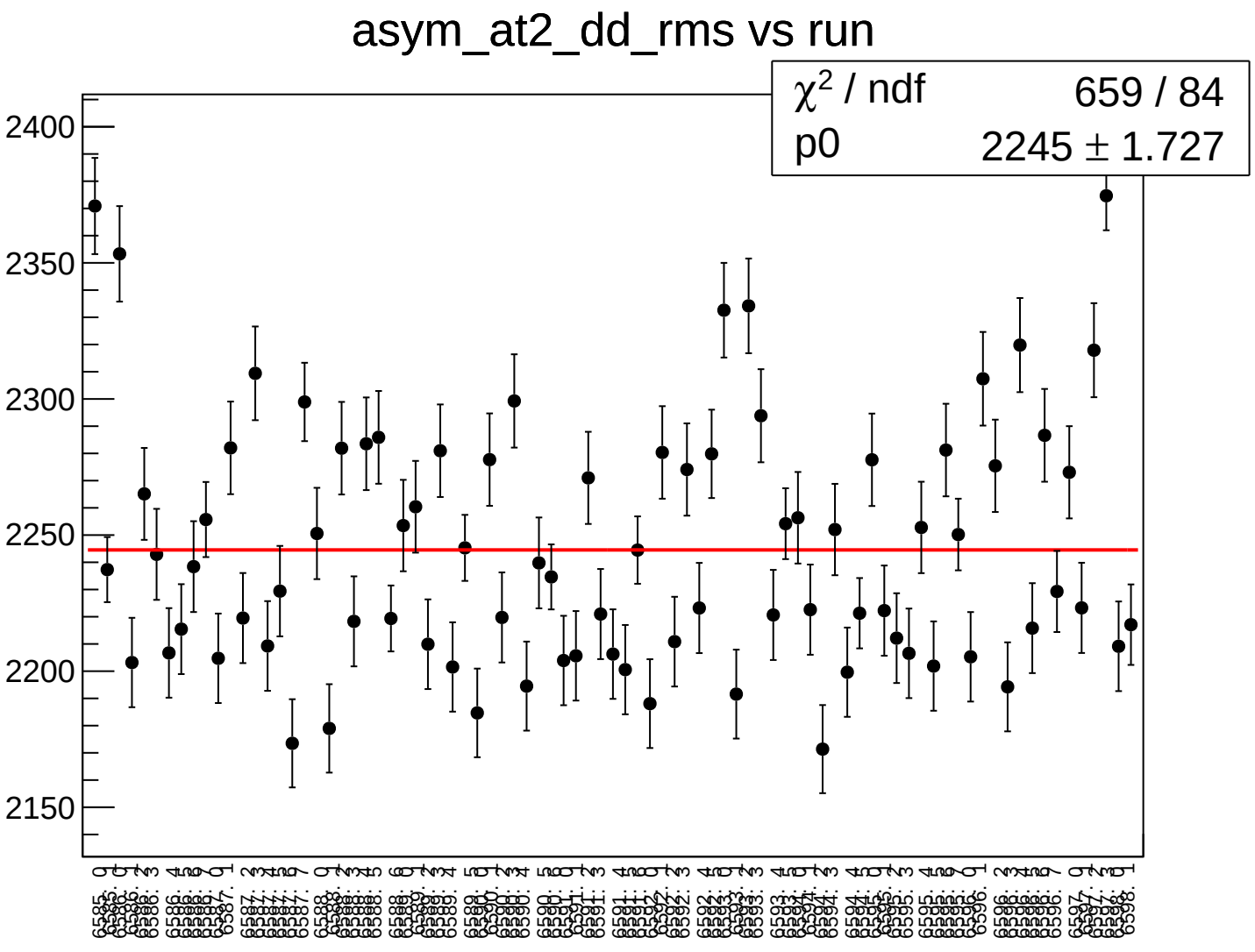

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 103.4 / 84
p0 1057 ± 4531
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −583.4
Std Dev 618.1
2
1
0
−1
−2

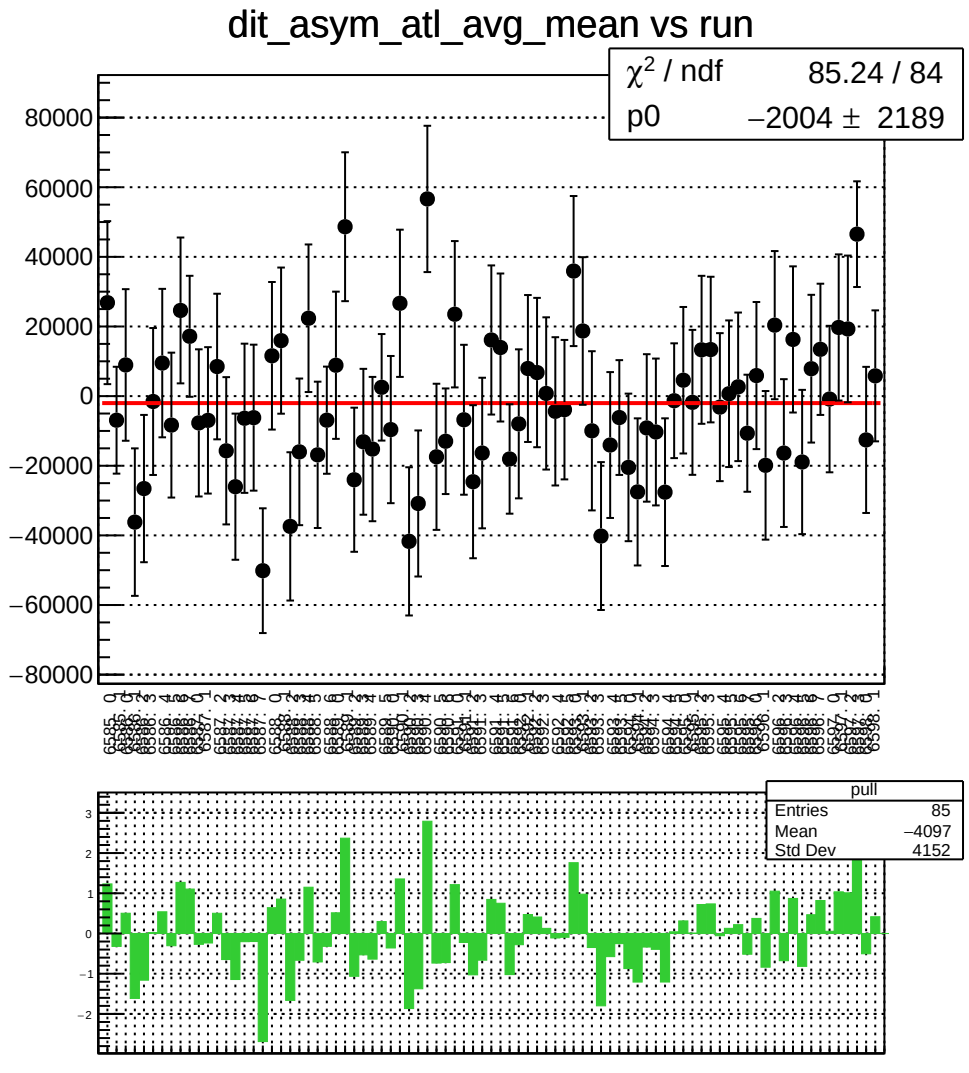

pull1D
Entries 85
Mean −0.006429
Std Dev 1.103
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

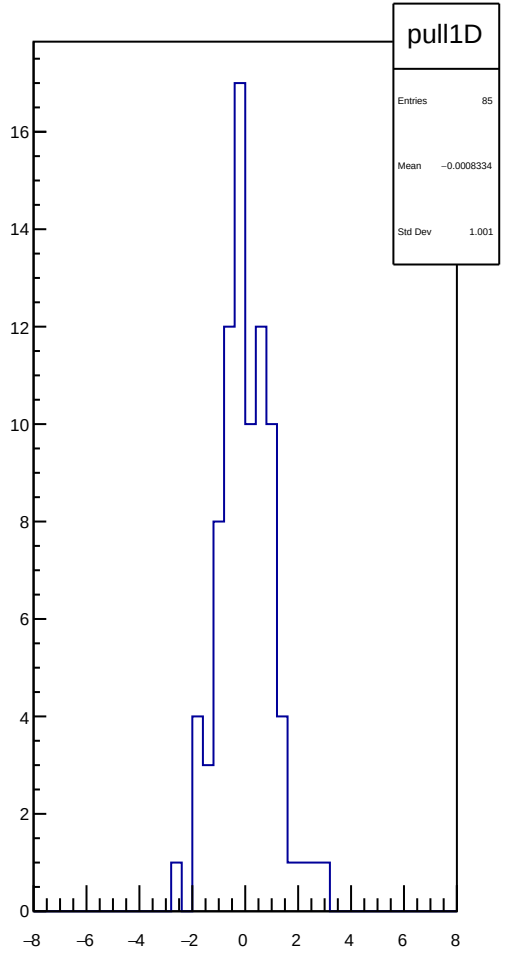

asym_at2_dd_correction_rms vs run
χ² / ndf 223.4 / 84
p0 4164 ± 3.204
4400
4350
4300
4250
4200
4150
4100
4050

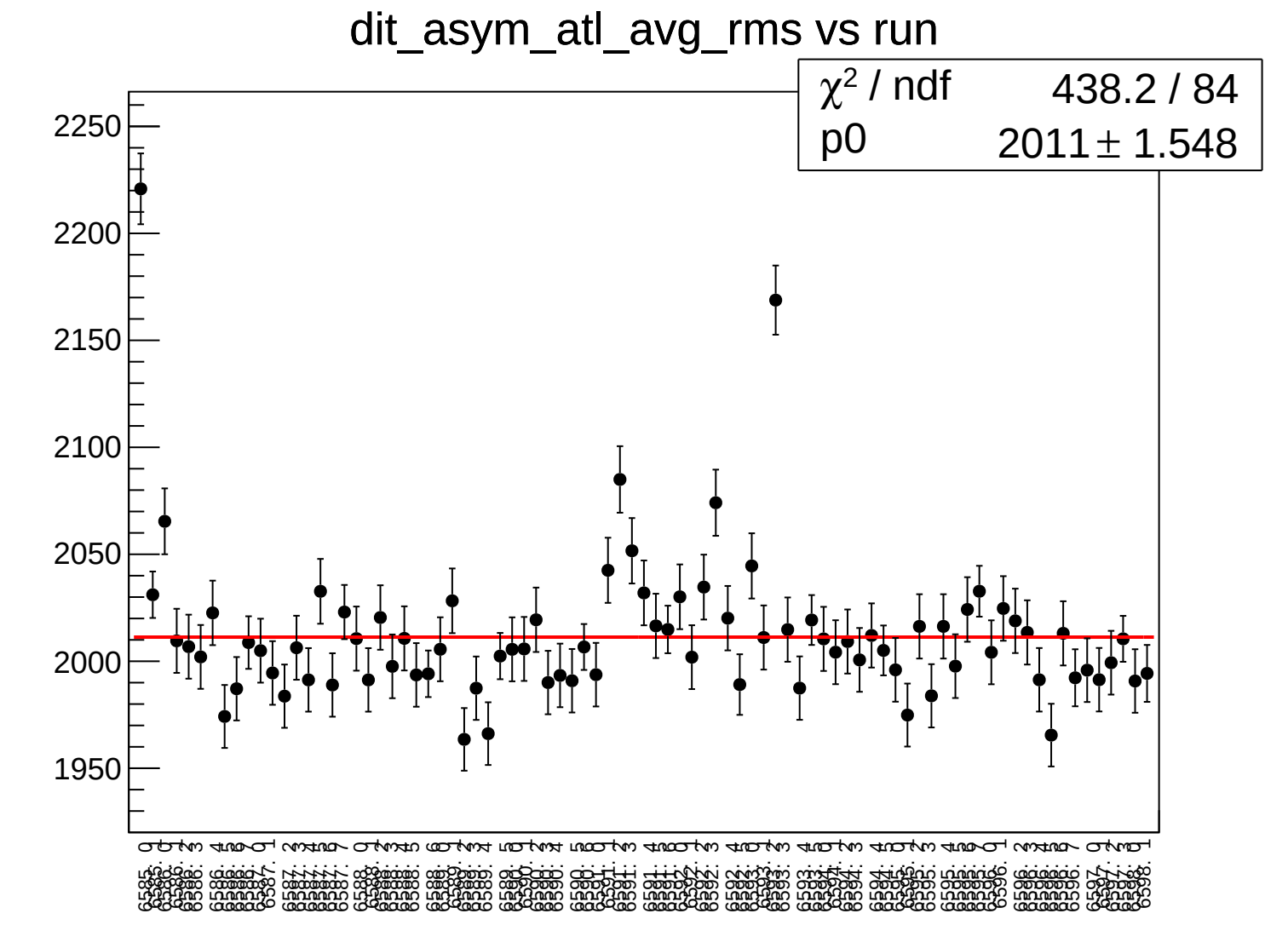

asym_at2_dd_mean vs run
×10^3
χ² / ndf 107.5 / 84
p0 −387.5 ± 2443
pull
Entries 85
Mean −640.1
Std Dev 668.8

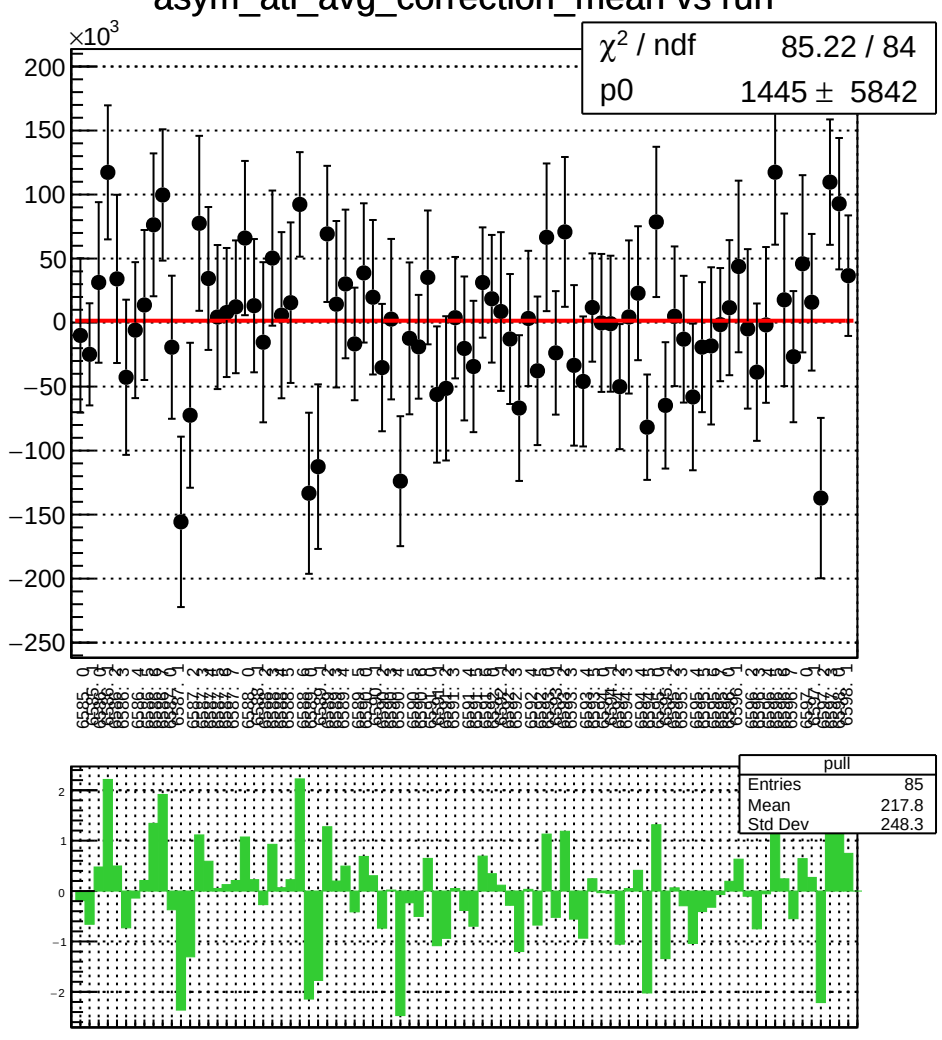

pull1D
Entries 85
Mean 0.005028
Std Dev 1.125

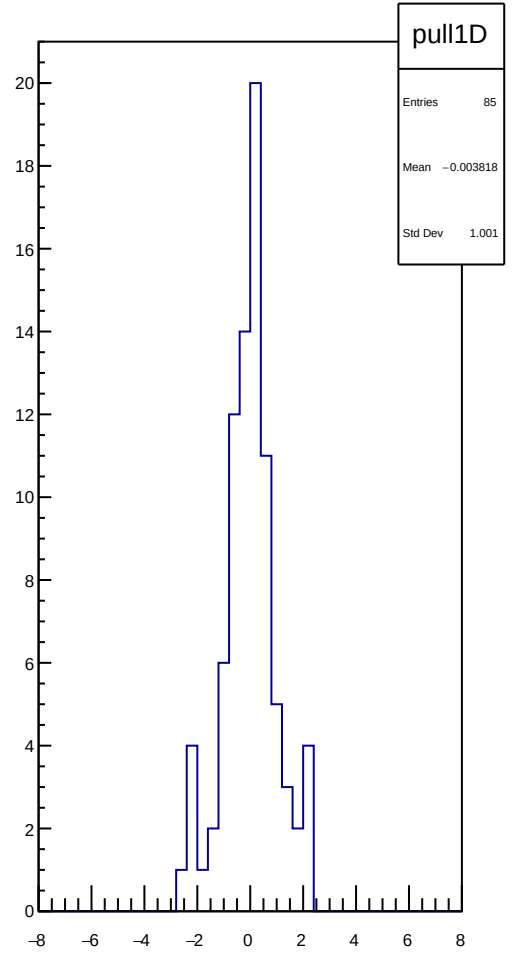

asym_at2_dd_rms vs run
χ^2 / ndf 659 / 84
p0 2245 ± 1.727
2400
2350
2300
2250
2200
2150

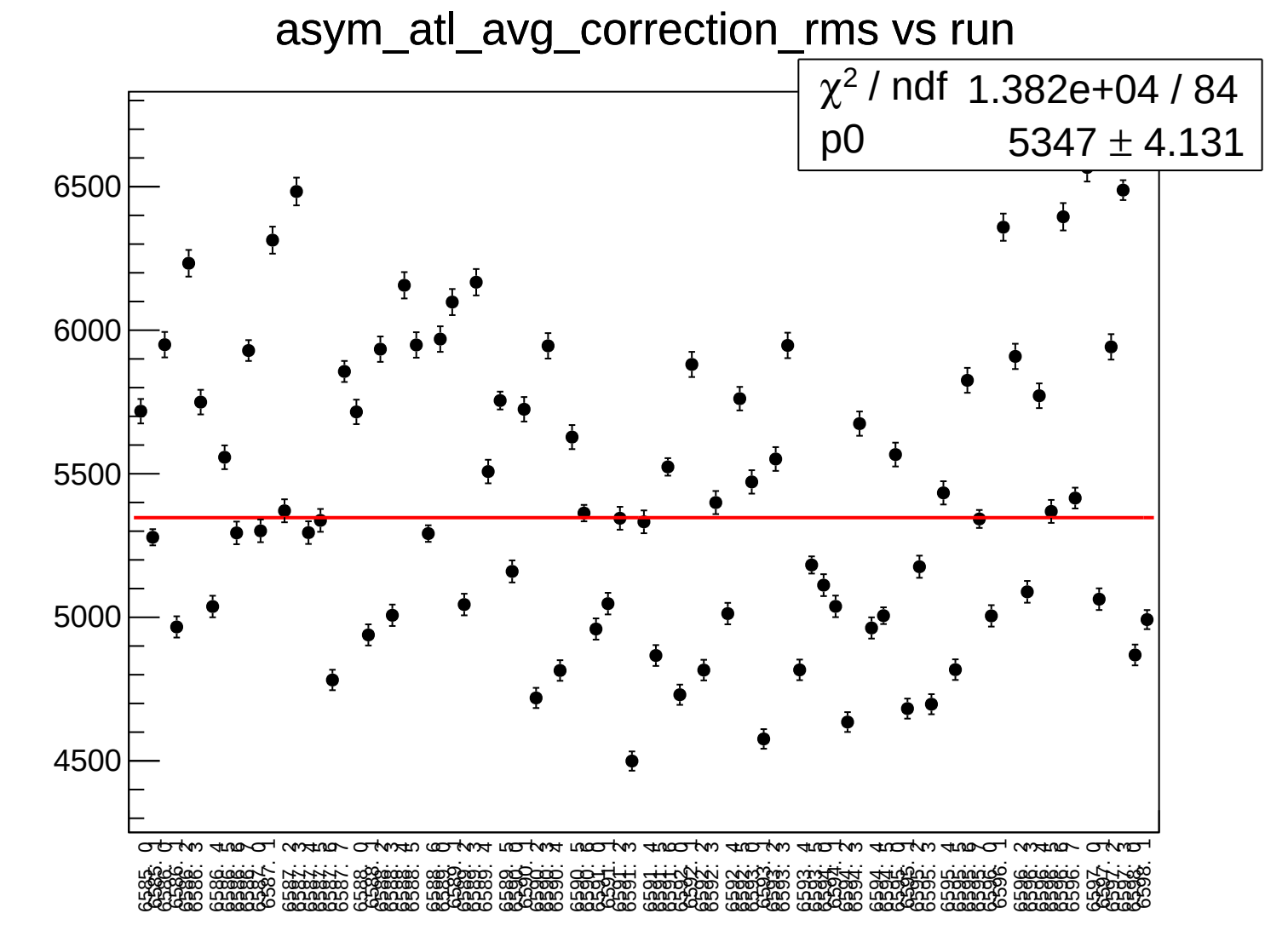

dit_asym_atl_avg_mean vs run
χ² / ndf 85.24 / 84
p0 −2004 ± 2189
pull
Entries 85
Mean −4097
Std Dev 4152

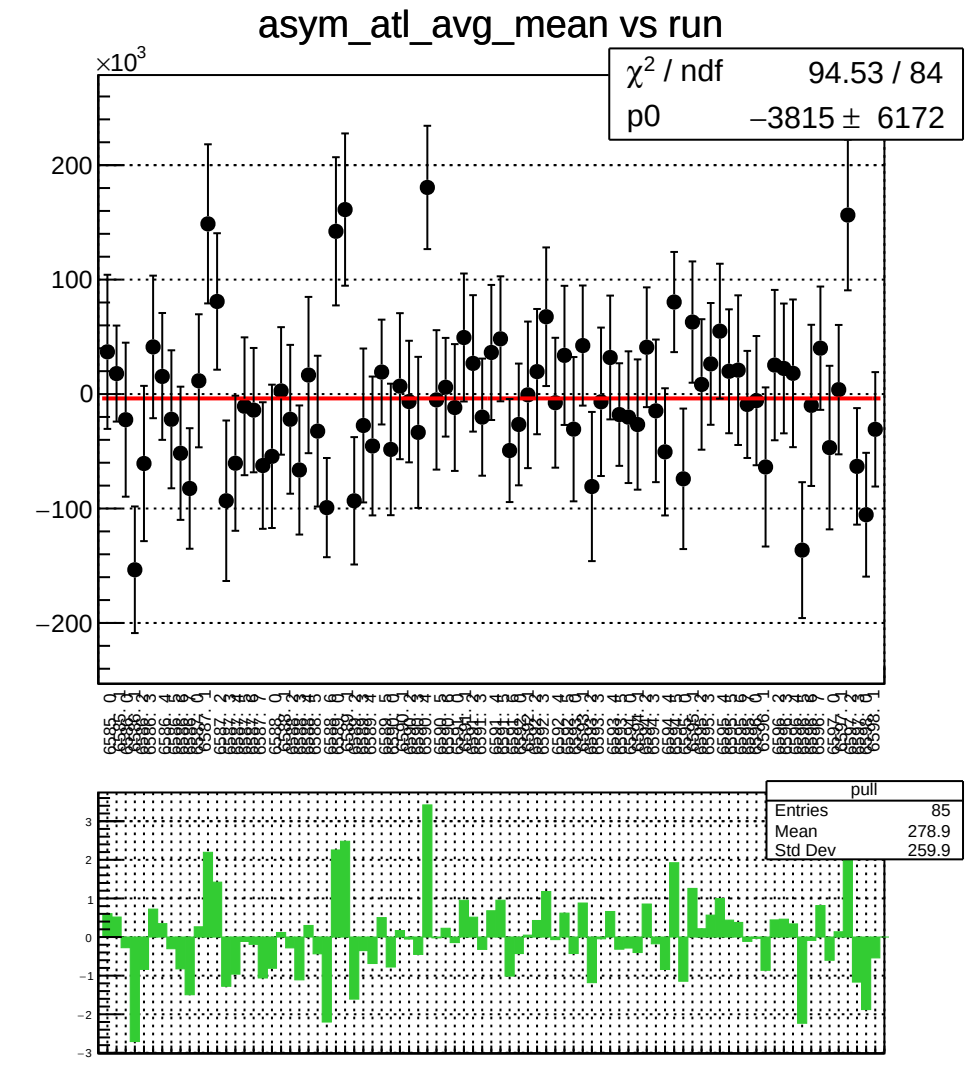

pull1D
Entries 85
Mean −0.0008334
Std Dev 1.001

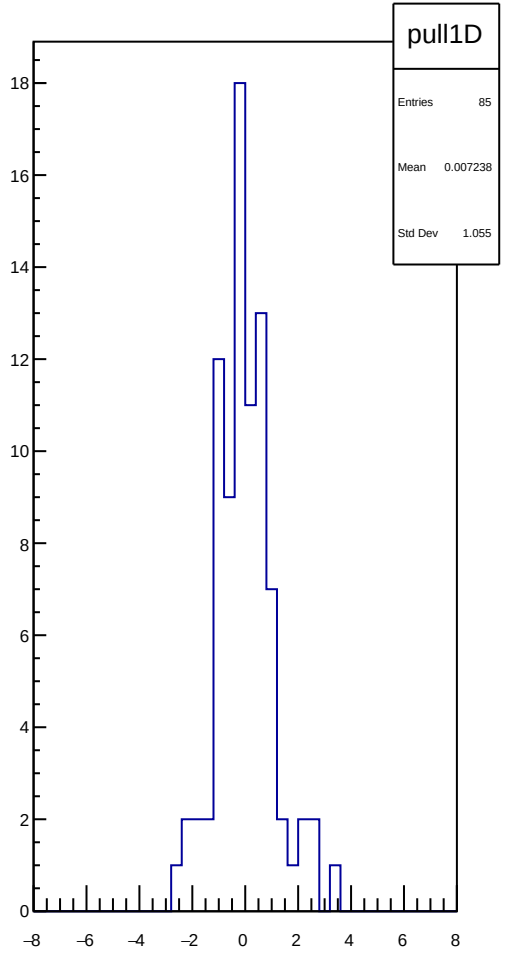

dit_asym_atl_avg_rms vs run
χ² / ndf 438.2 / 84
p0 2011 ± 1.548
2250
2200
2150
2100
2050
2000
1950

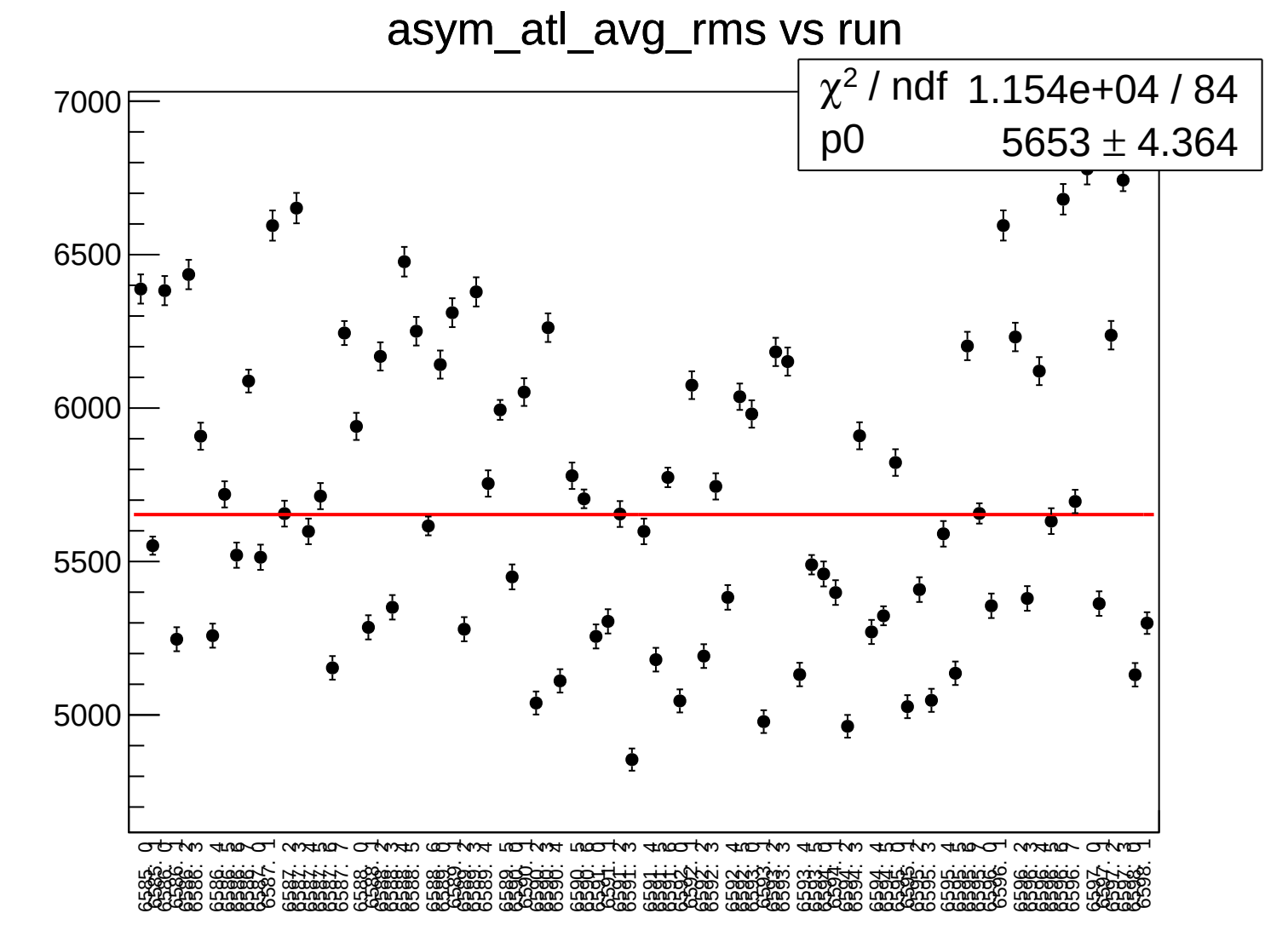

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 85.22 / 84
p0 1445 ± 5842
pull
Entries 85
Mean 217.8
Std Dev 248.3

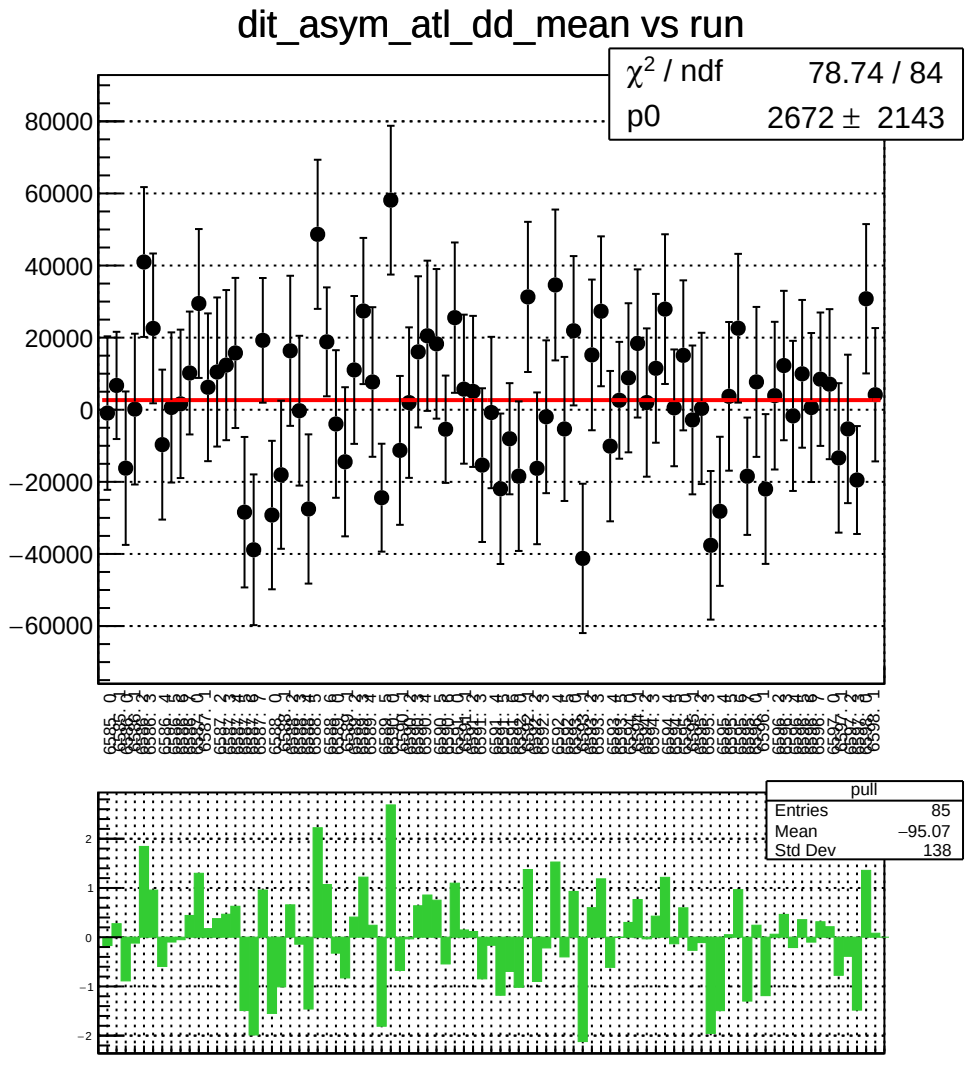

pull1D
Entries 85
Mean −0.003818
Std Dev 1.001

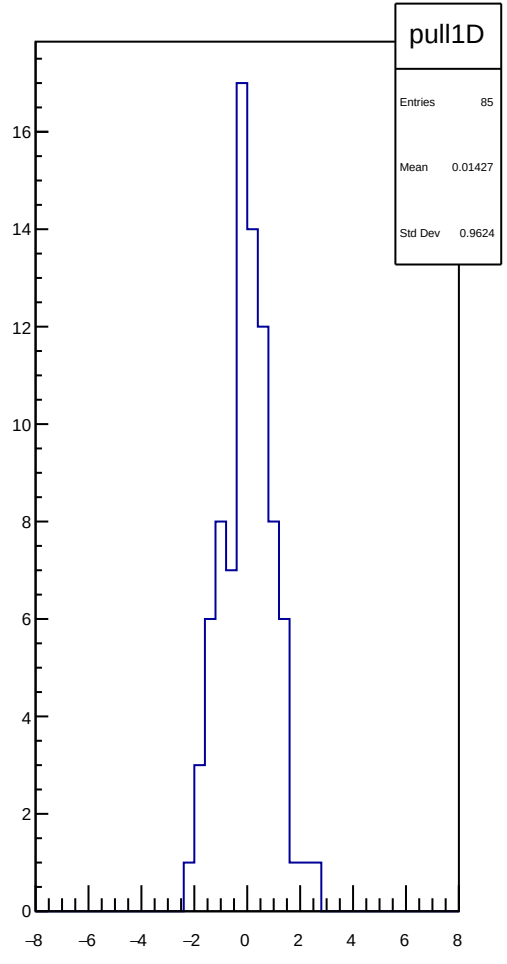

asym_atl_avg_correction_rms vs run
χ² / ndf 1.382e+04 / 84
p0 5347 ± 4.131
6500
6000
5500
5000
4500

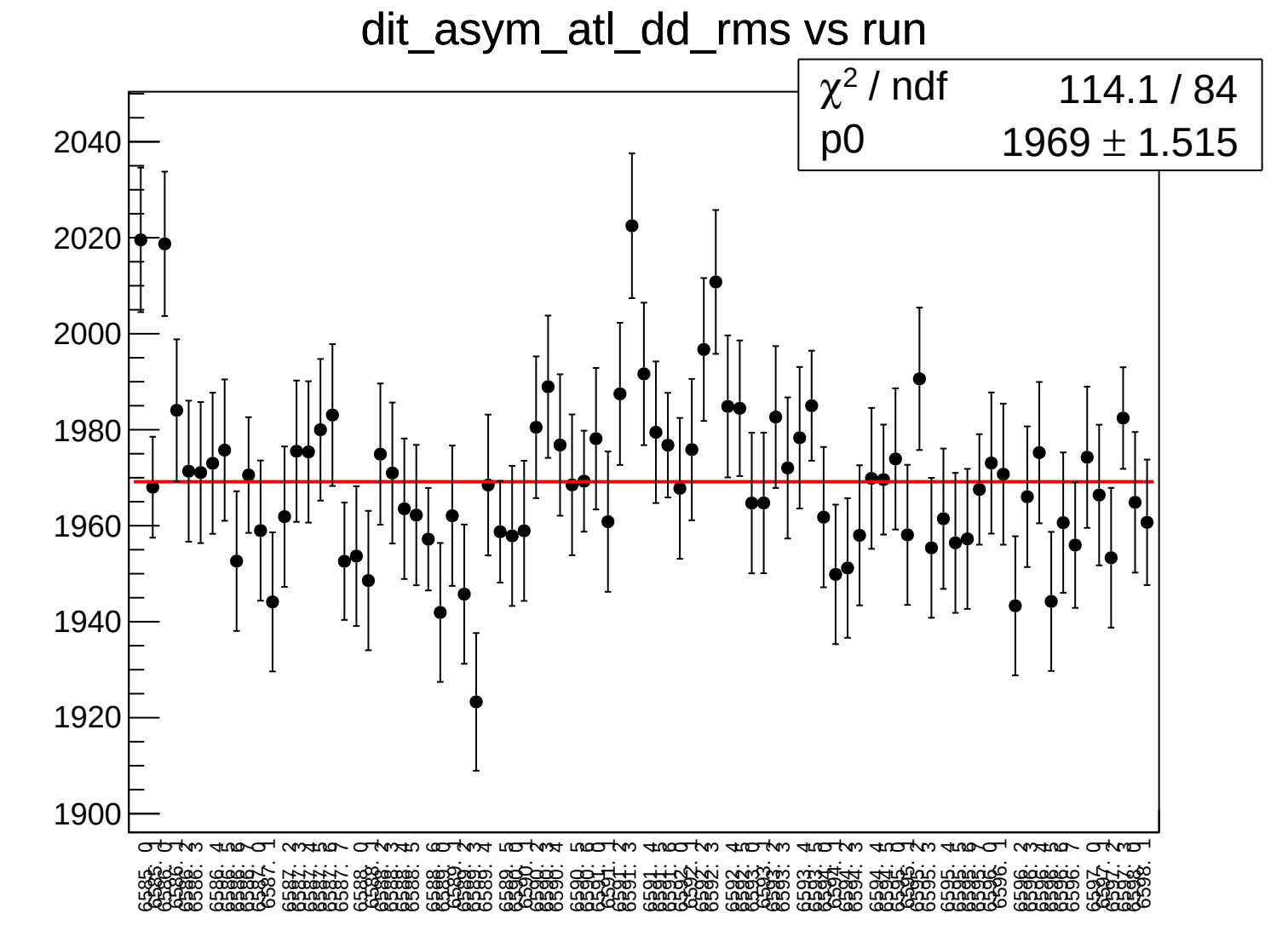

asym_atl_avg_mean vs run
×10^3
χ² / ndf 94.53 / 84
p0 −3815 ± 6172
200
100
0
−100
−200
pull
Entries 85
Mean 278.9
Std Dev 259.9
3
2
1
0
−1
−2
−3

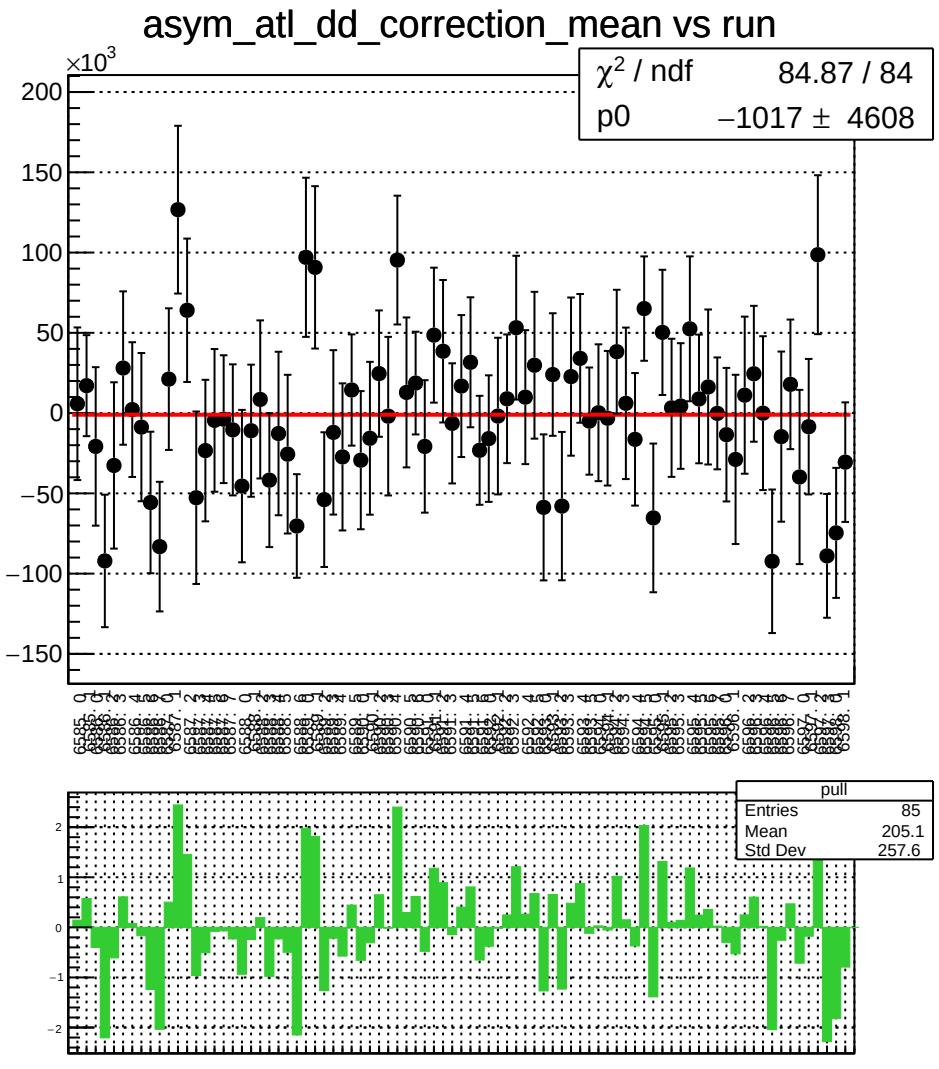

pull1D
Entries 85
Mean 0.007238
Std Dev 1.055
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

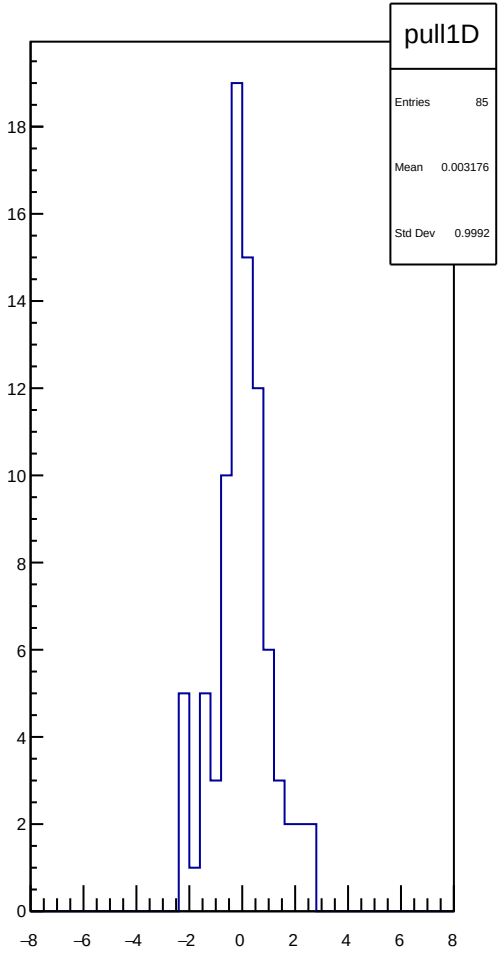

asym_atl_avg_rms vs run
χ² / ndf 1.154e+04 / 84
p0 5653 ± 4.364
7000
6500
6000
5500
5000

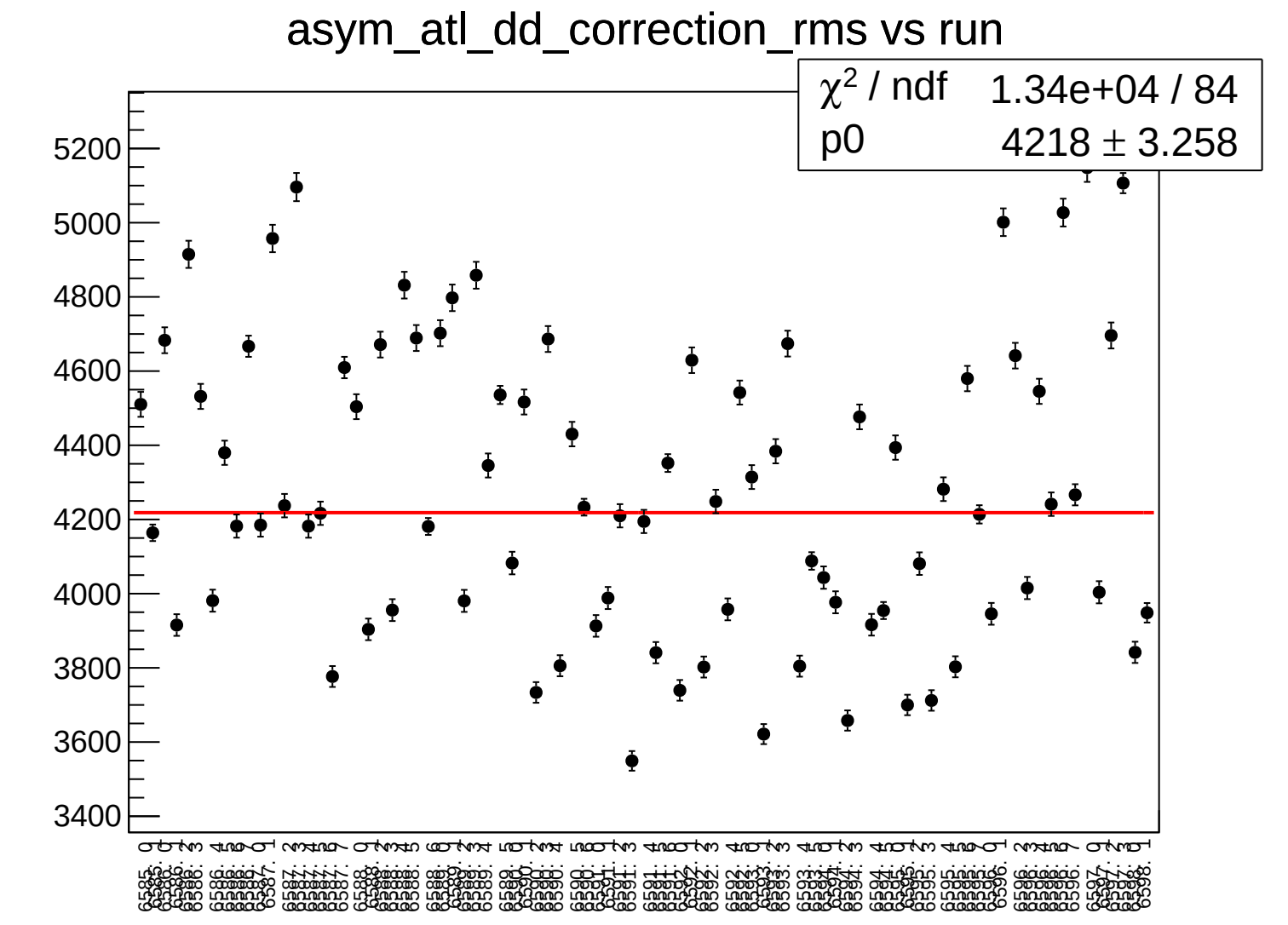

dit_asym_atl_dd_mean vs run
χ² / ndf 78.74 / 84
p0 2672 ± 2143
pull
Entries 85
Mean −95.07
Std Dev 138

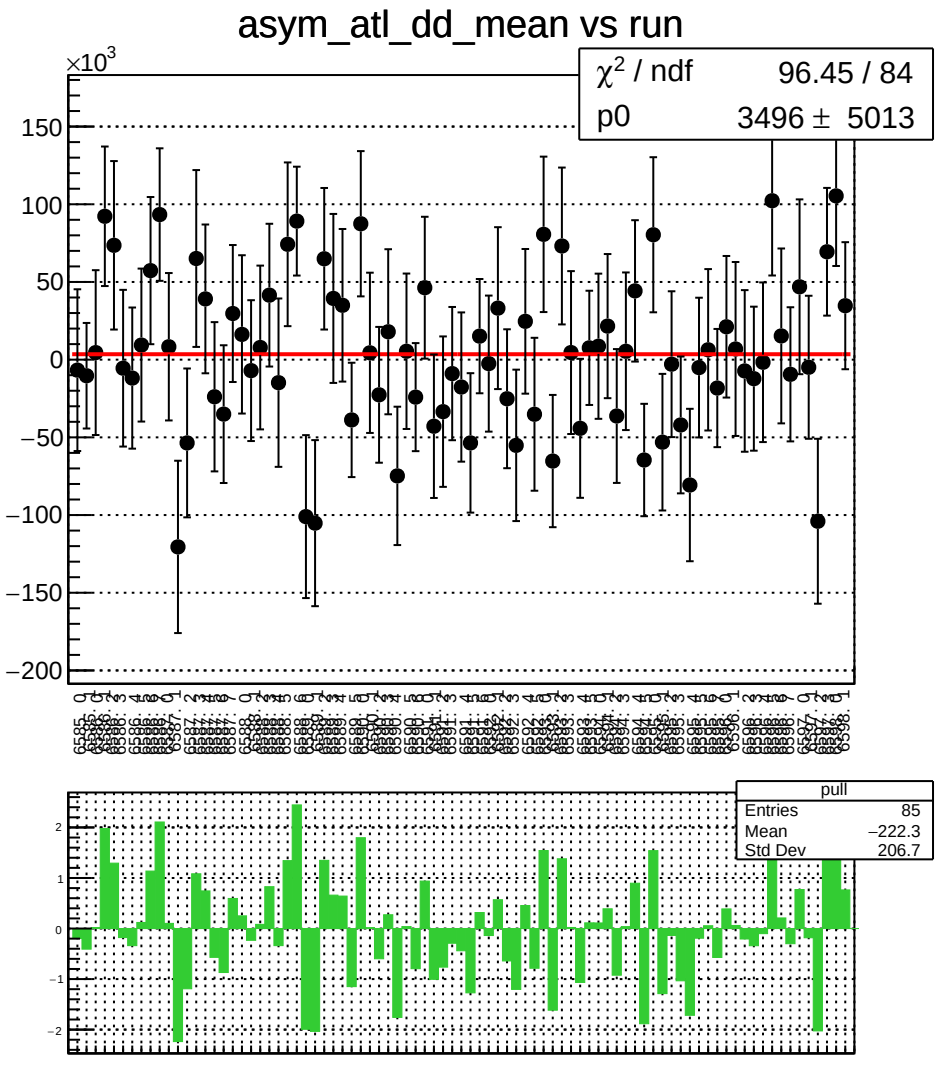

pull1D
Entries 85
Mean 0.01427
Std Dev 0.9624

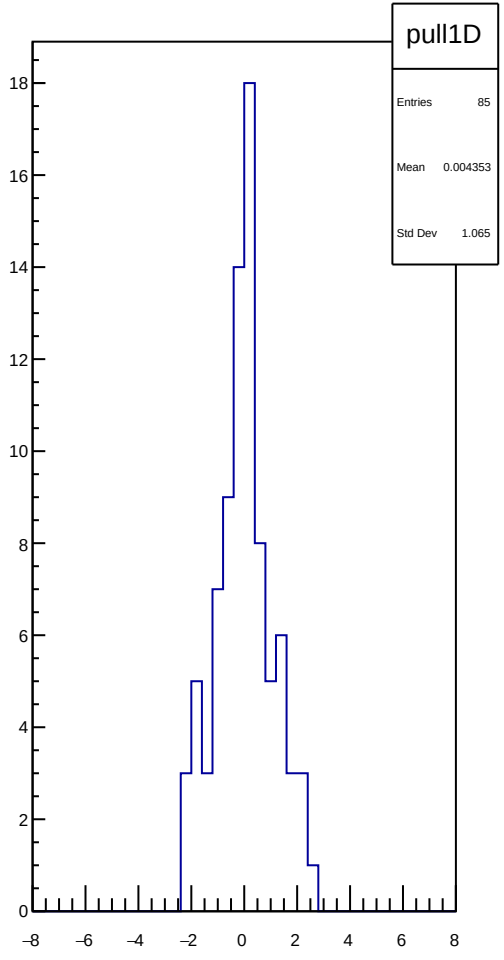

dit_asym_atl_dd_rms vs run
χ^2 / ndf 114.1 / 84
p0 1969 ± 1.515
2040
2020
2000
1980
1960
1940
1920
1900

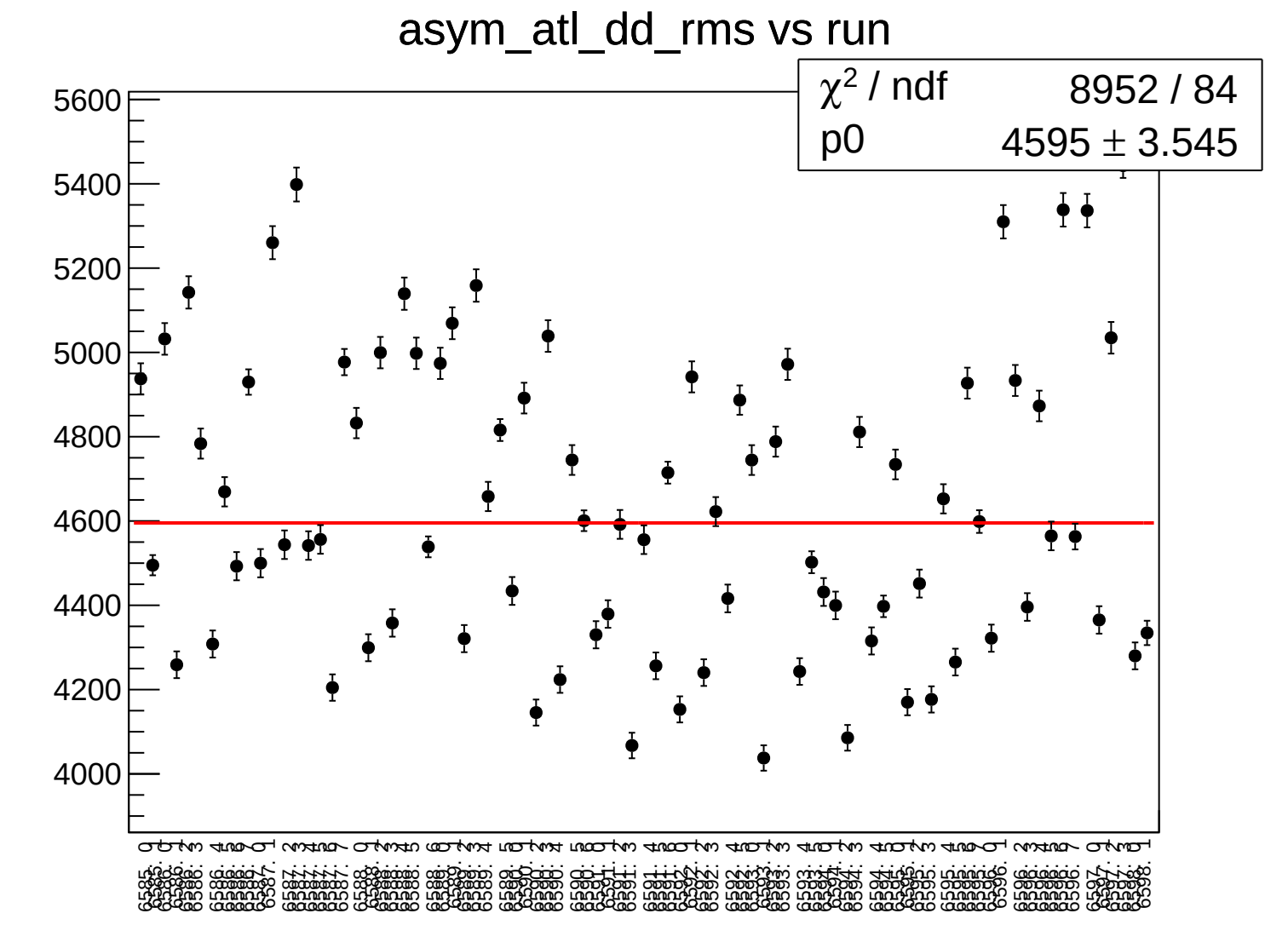

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 84.87 / 84
p0 −1017 ± 4608
pull
Entries 85
Mean 205.1
Std Dev 257.6

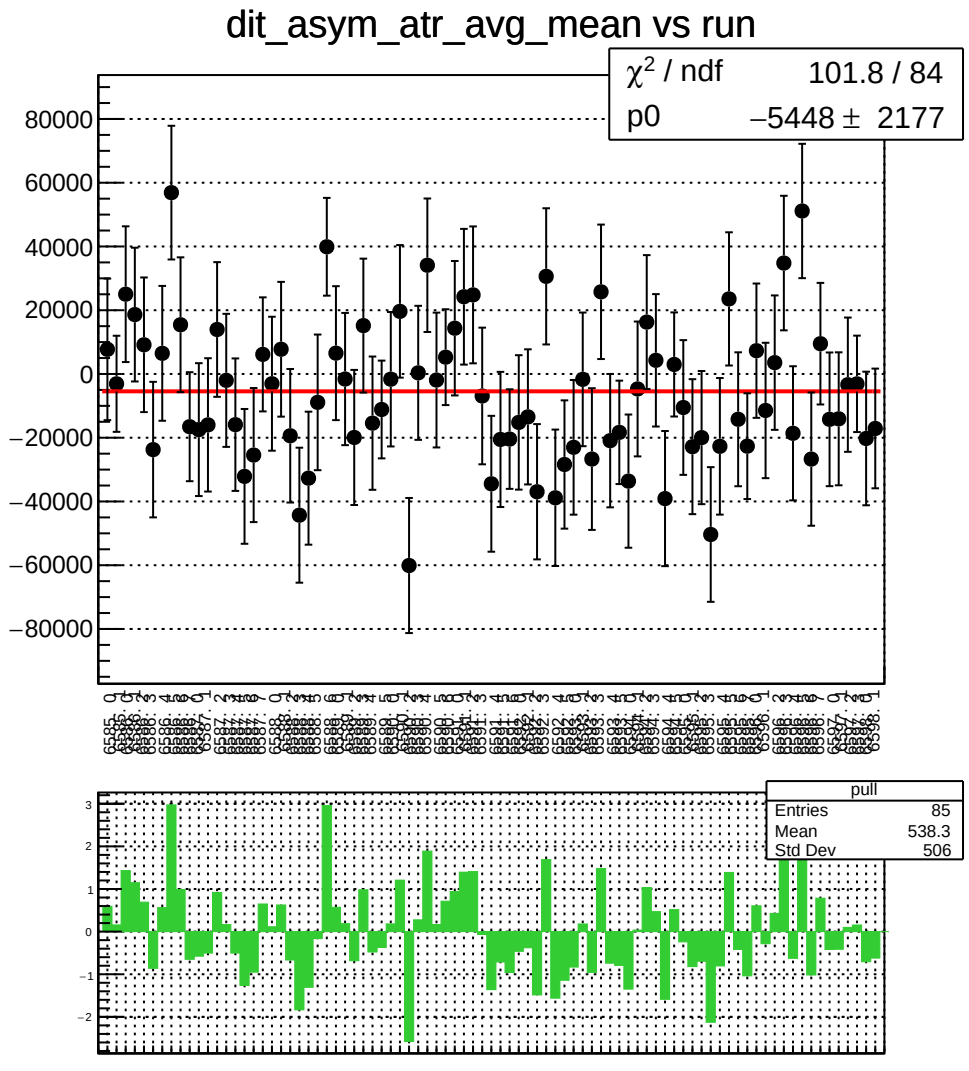

pull1D
Entries 85
Mean 0.003176
Std Dev 0.9992

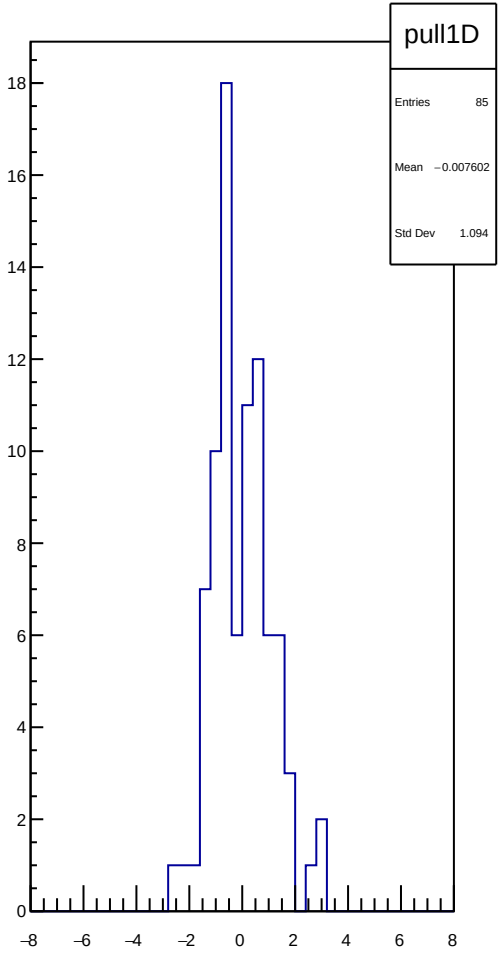

asym_atl_dd_correction_rms vs run
χ² / ndf 1.34e+04 / 84
p0 4218 ± 3.258
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400

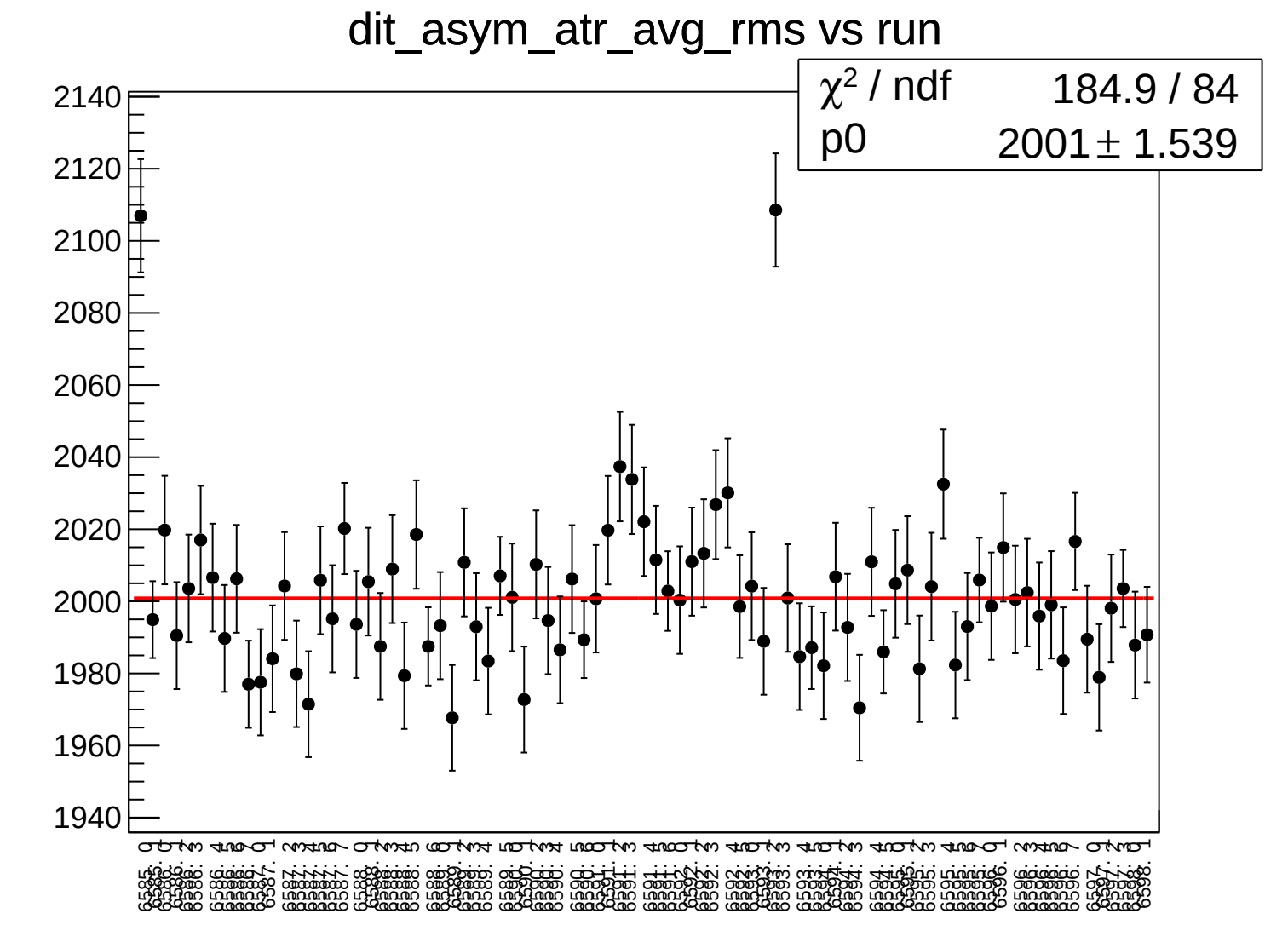

asym_atl_dd_mean vs run
×10^3
χ² / ndf 96.45 / 84
p0 3496 ± 5013
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −222.3
Std Dev 206.7
2
1
0
−1
−2

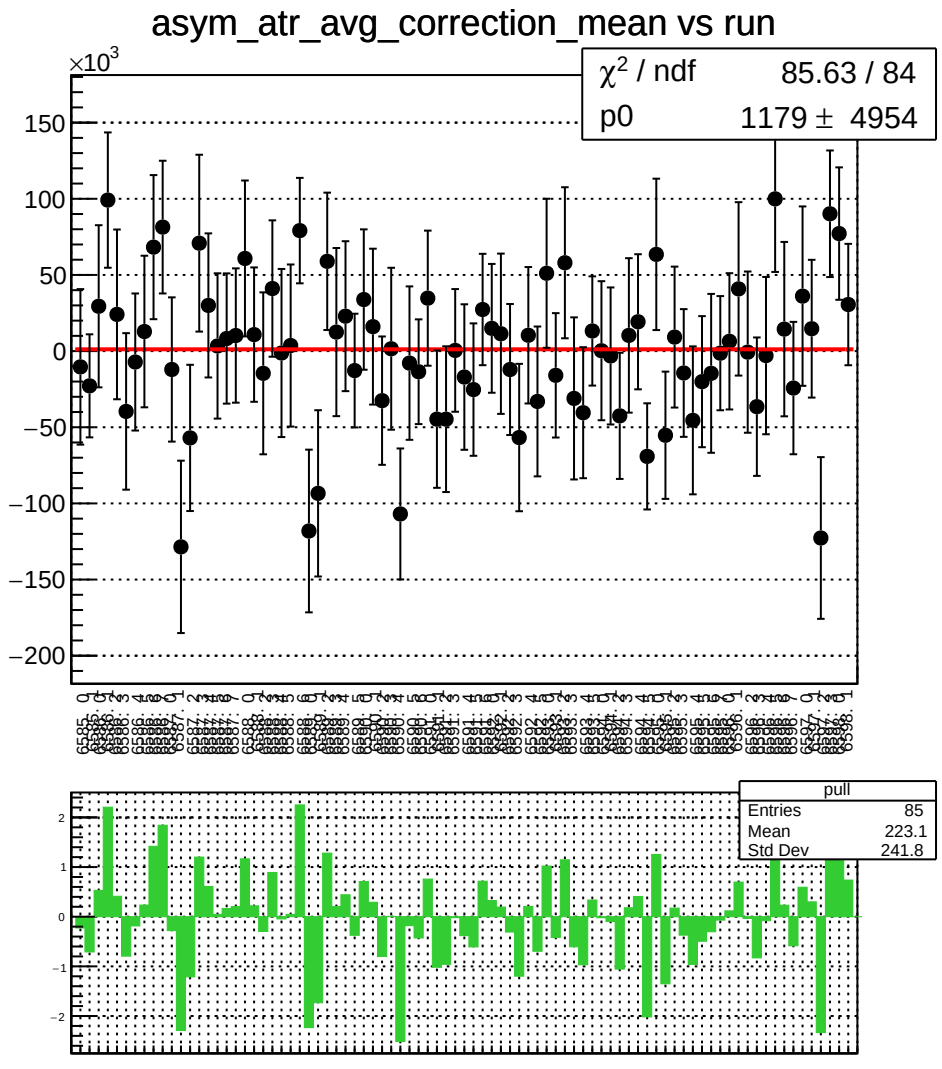

pull1D
Entries 85
Mean 0.004353
Std Dev 1.065
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

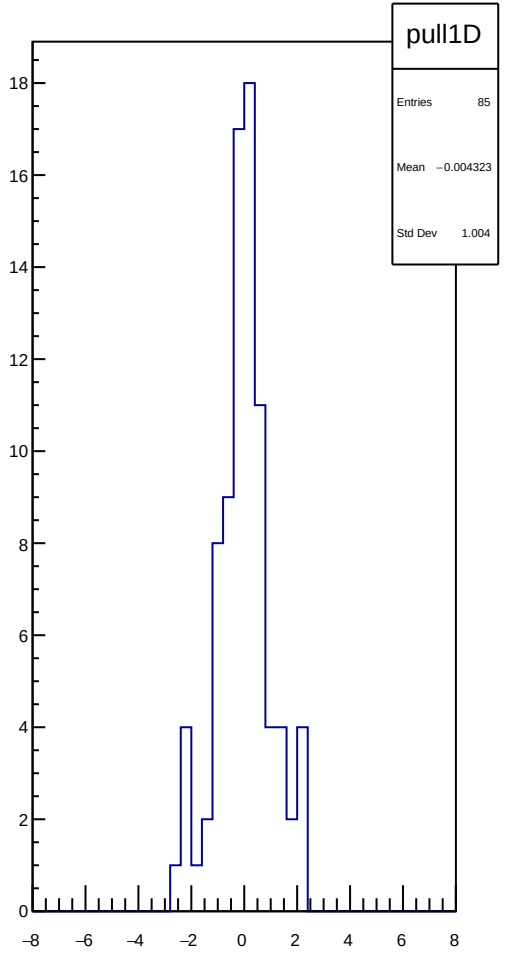

asym_atl_dd_rms vs run
χ² / ndf 8952 / 84
p0 4595 ± 3.545
5600
5400
5200
5000
4800
4600
4400
4200
4000

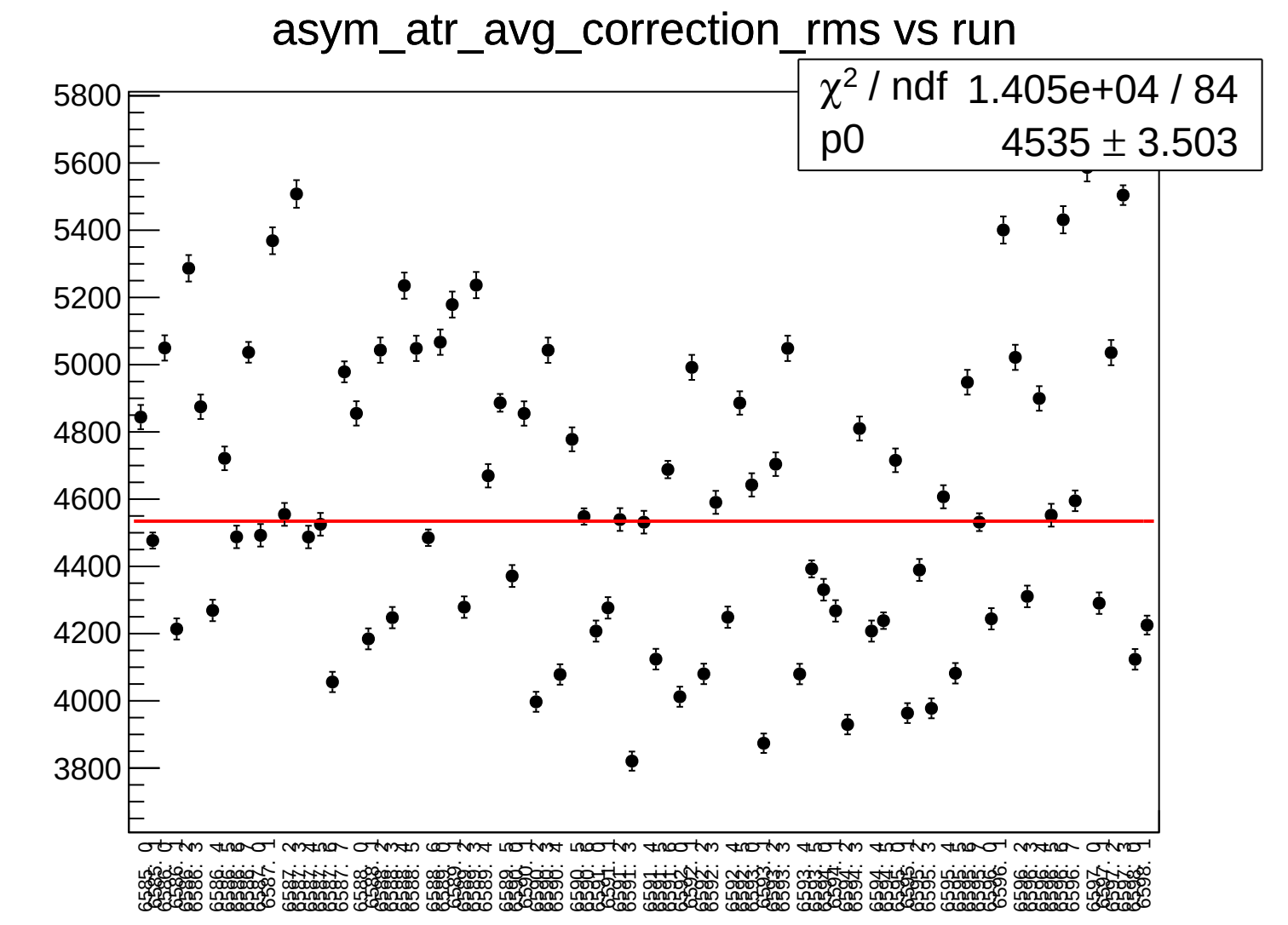

dit_asym_atr_avg_mean vs run
χ² / ndf 101.8 / 84
p0 −5448 ± 2177
pull
Entries 85
Mean 538.3
Std Dev 506

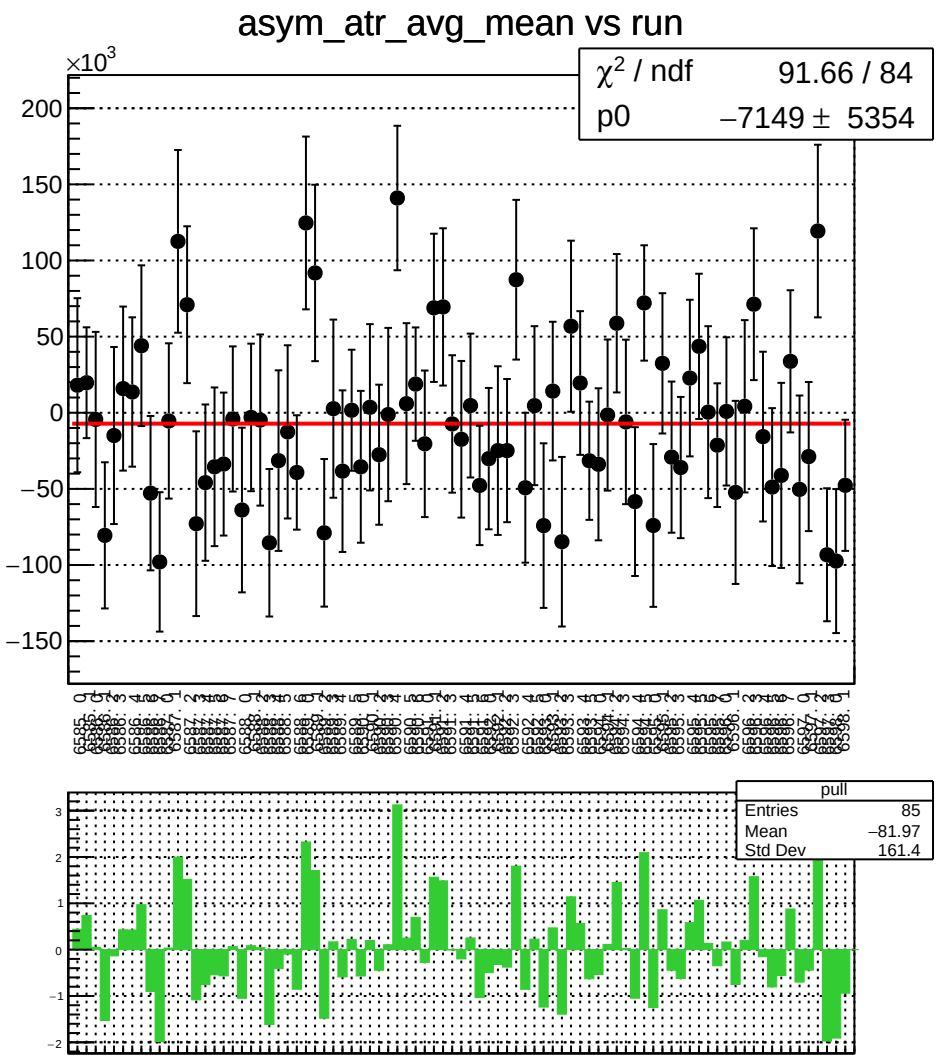

pull1D
Entries 85
Mean −0.007602
Std Dev 1.094

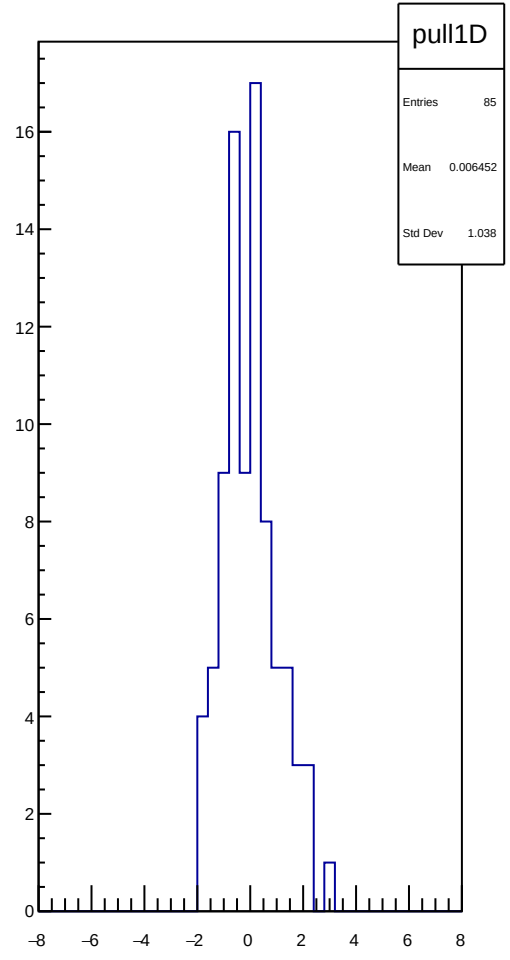

dit_asym_atr_avg_rms vs run
χ² / ndf 184.9 / 84
p0 2001 ± 1.539
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960
1940

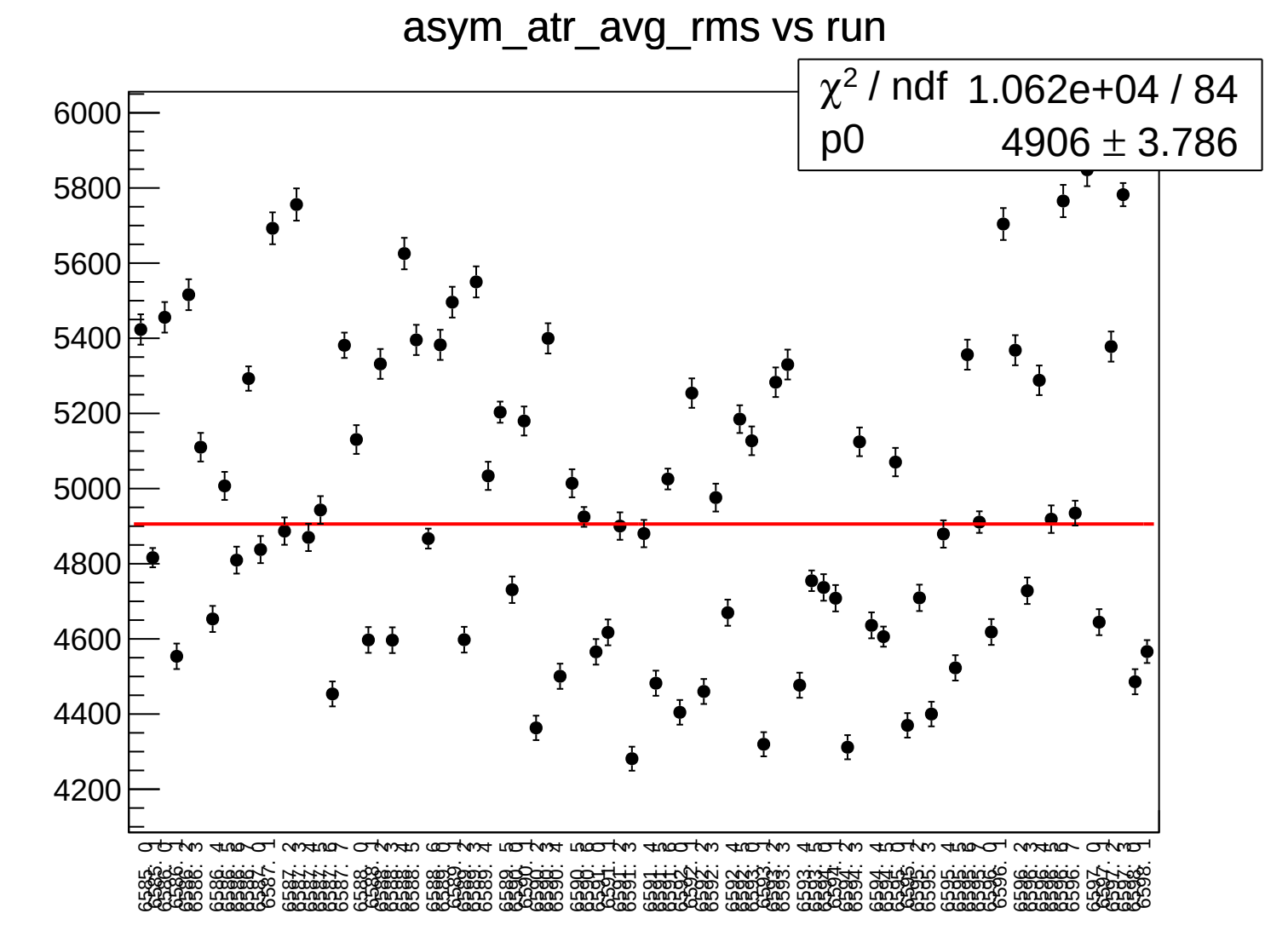

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 85.63 / 84
p0 1179 ± 4954
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean 223.1
Std Dev 241.8
2
1
0
−1
−2

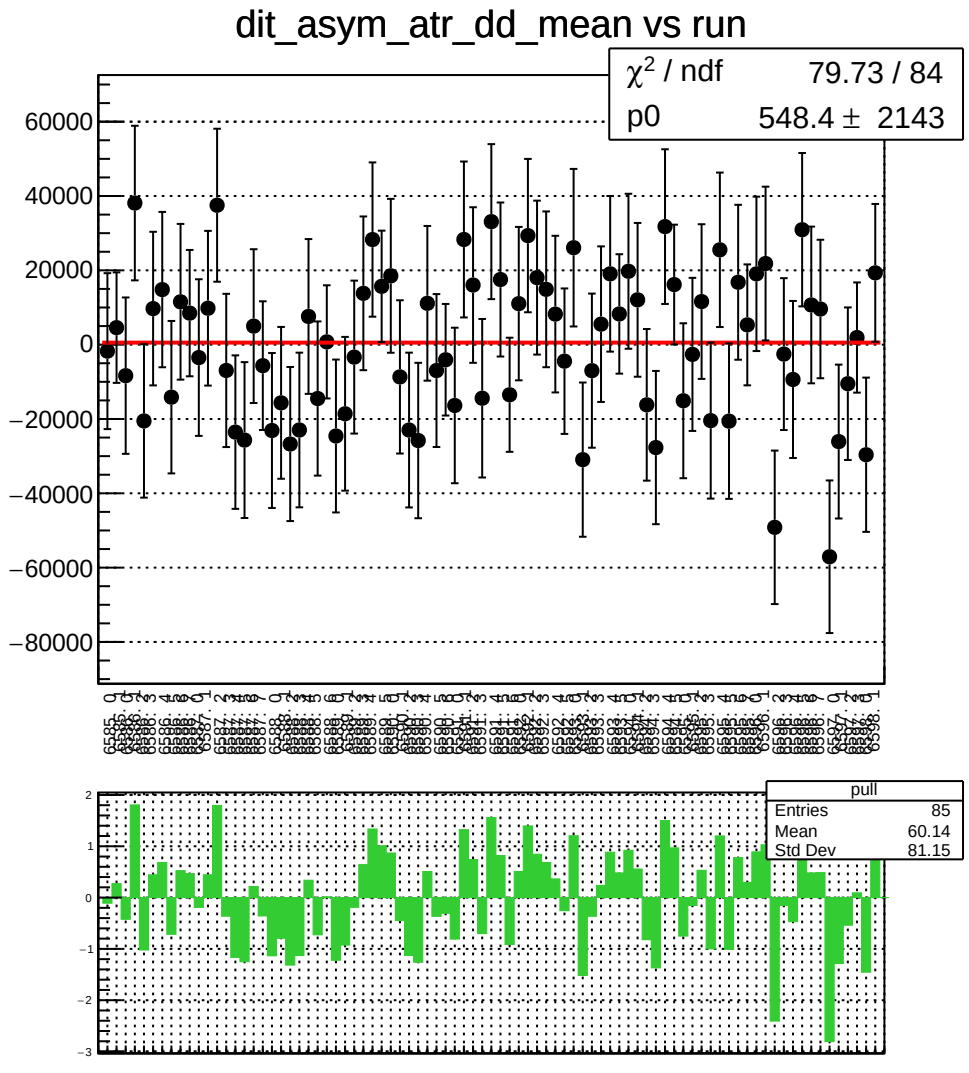

pull1D
Entries 85
Mean −0.004323
Std Dev 1.004
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

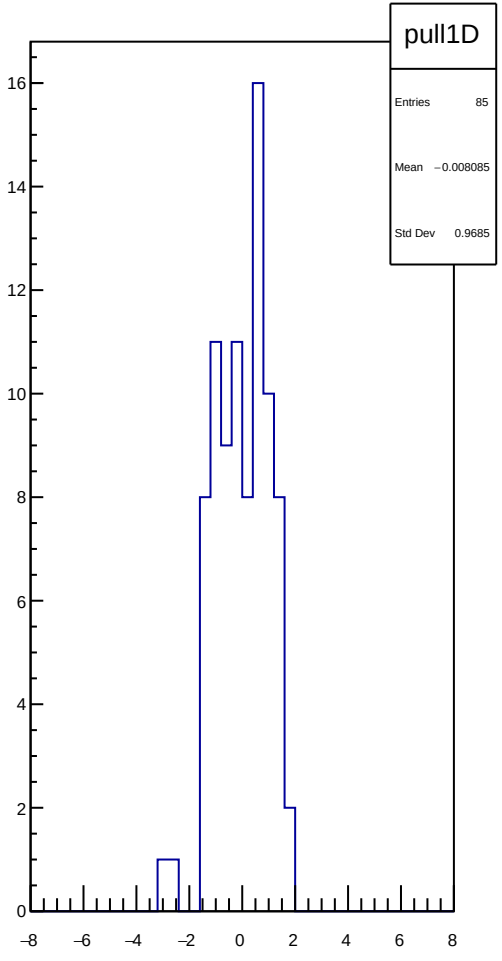

asym_atr_avg_correction_rms vs run
χ² / ndf 1.405e+04 / 84
p0 4535 ± 3.503
5800
5600
5400
5200
5000
4800
4600
4400
4200
4000
3800

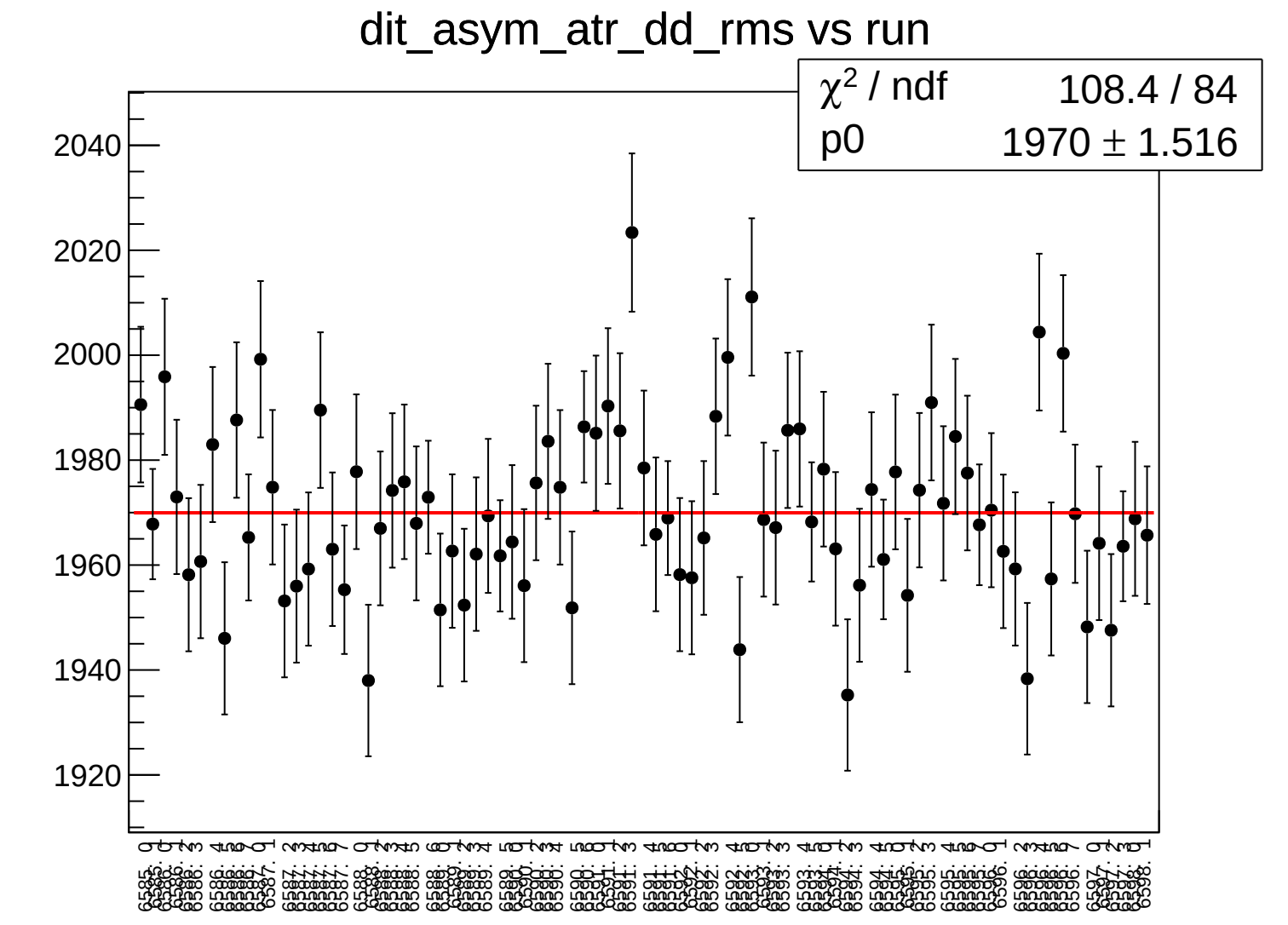

asym_atr_avg_mean vs run
×10^3
χ² / ndf 91.66 / 84
p0 −7149 ± 5354
200
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −81.97
Std Dev 161.4
3
2
1
0
−1
−2

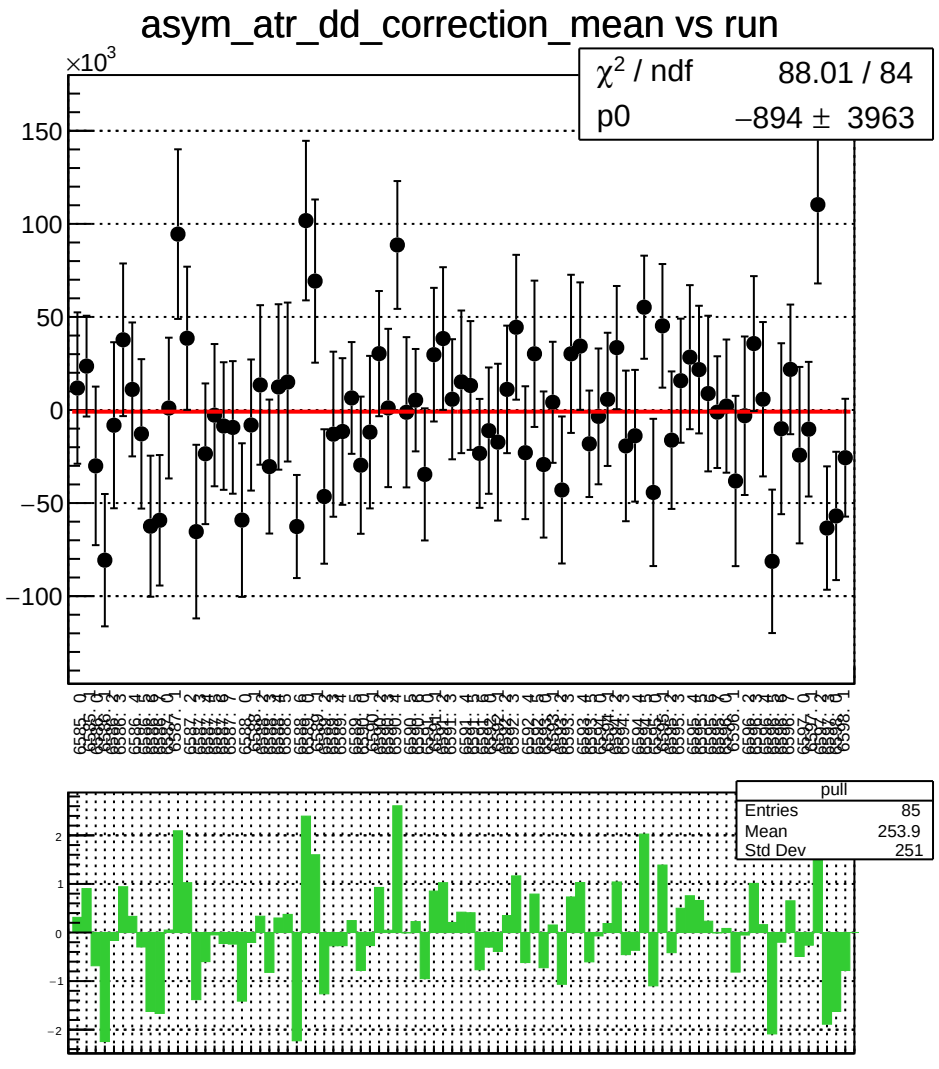

pull1D
Entries 85
Mean 0.006452
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

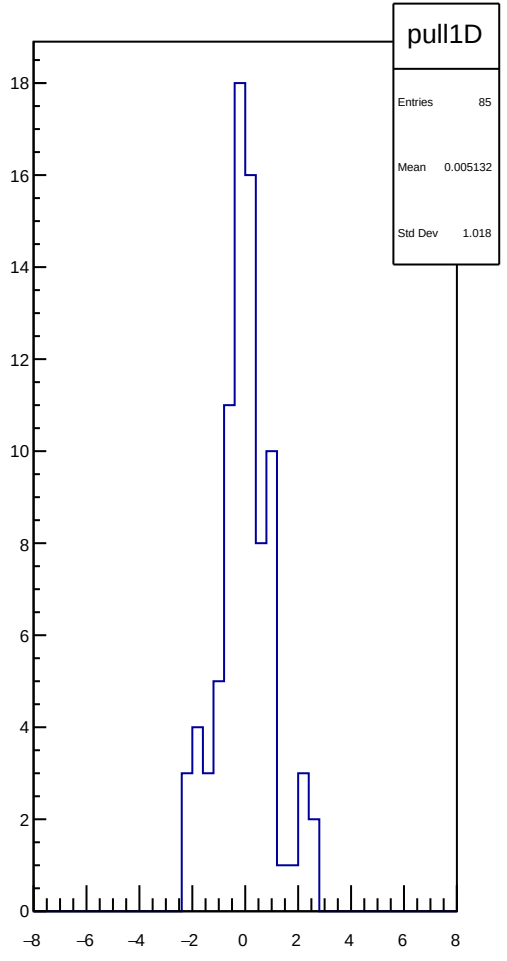

asym_atr_avg_rms vs run
χ² / ndf 1.062e+04 / 84
p0 4906 ± 3.786
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

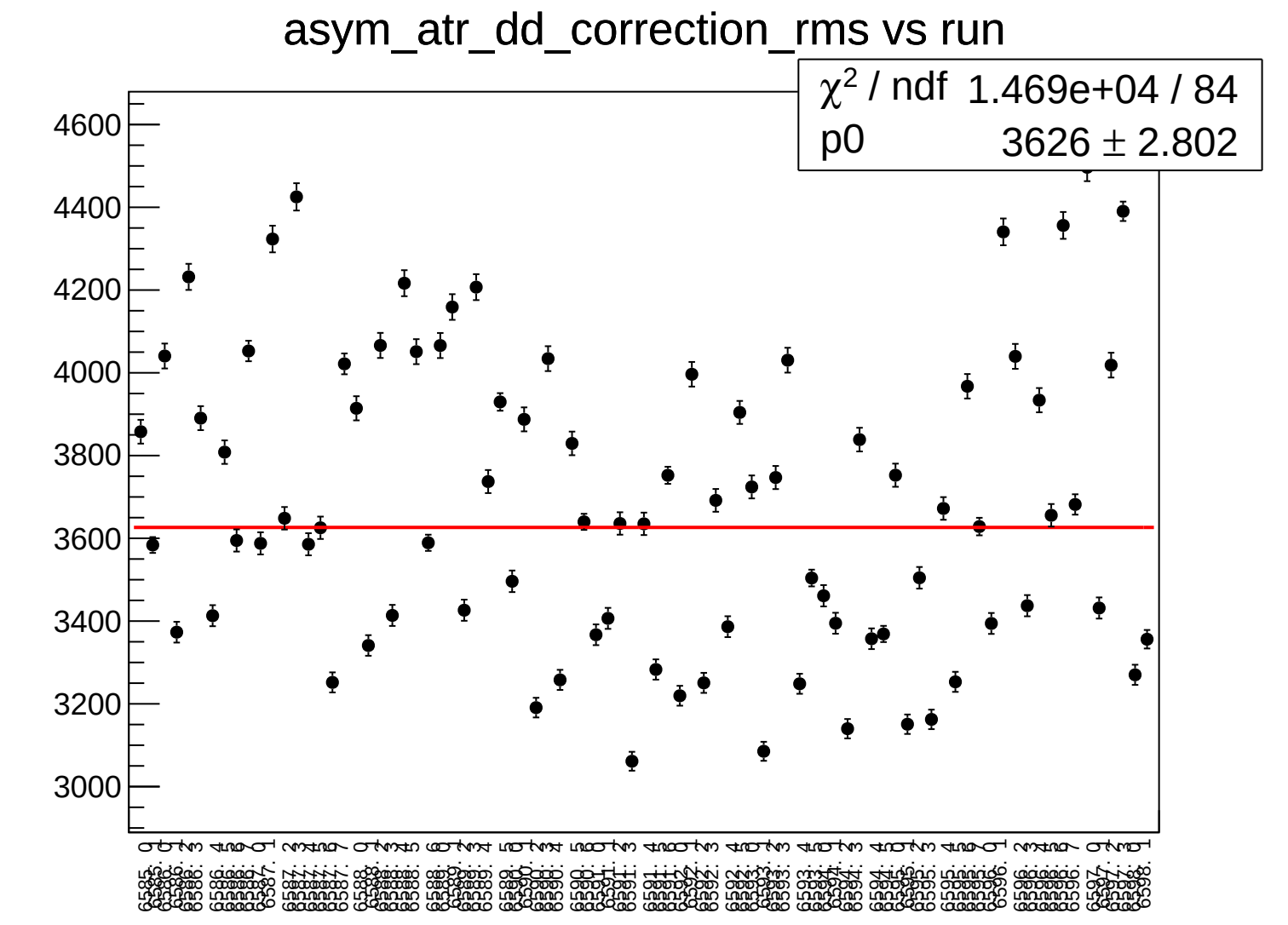

dit_asym_atr_dd_mean vs run
χ² / ndf 79.73 / 84
p0 548.4 ± 2143
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean 60.14
Std Dev 81.15
2
1
0
−1
−2
−3

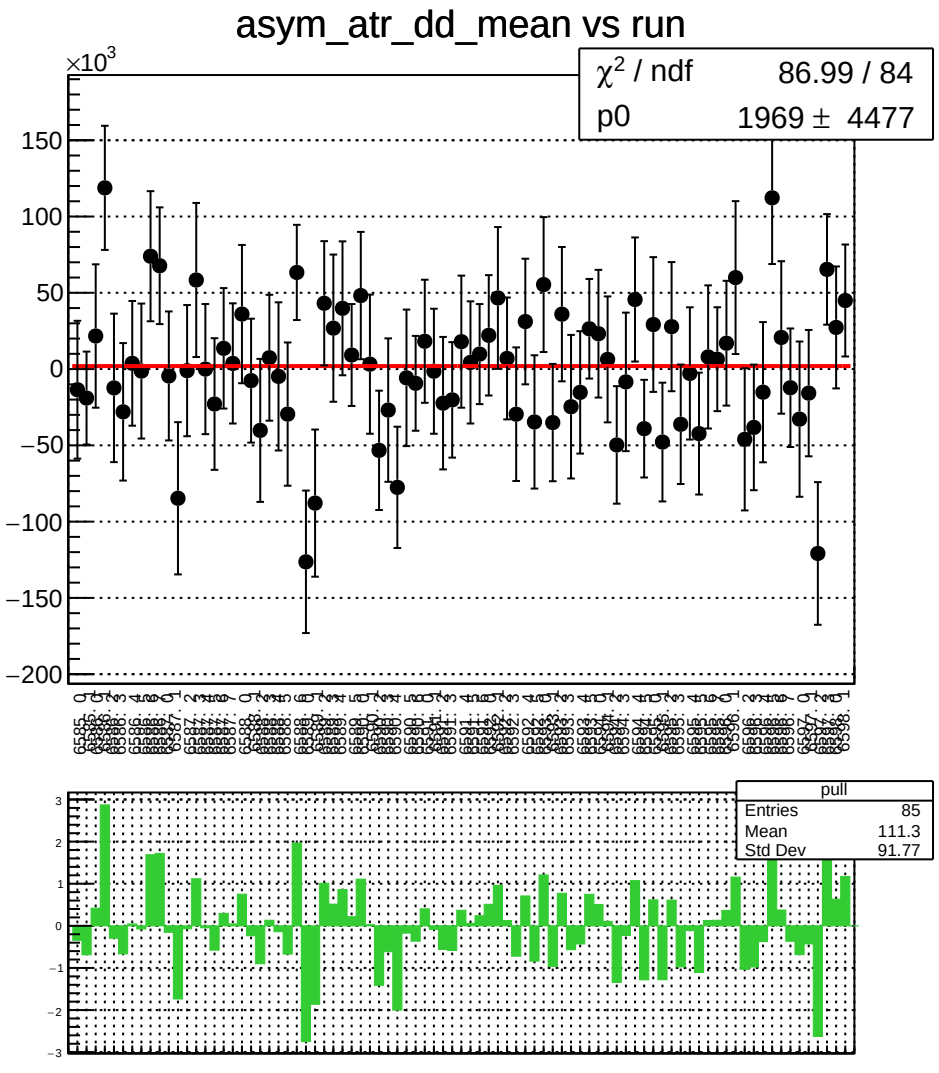

pull1D
Entries 85
Mean −0.008085
Std Dev 0.9685
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

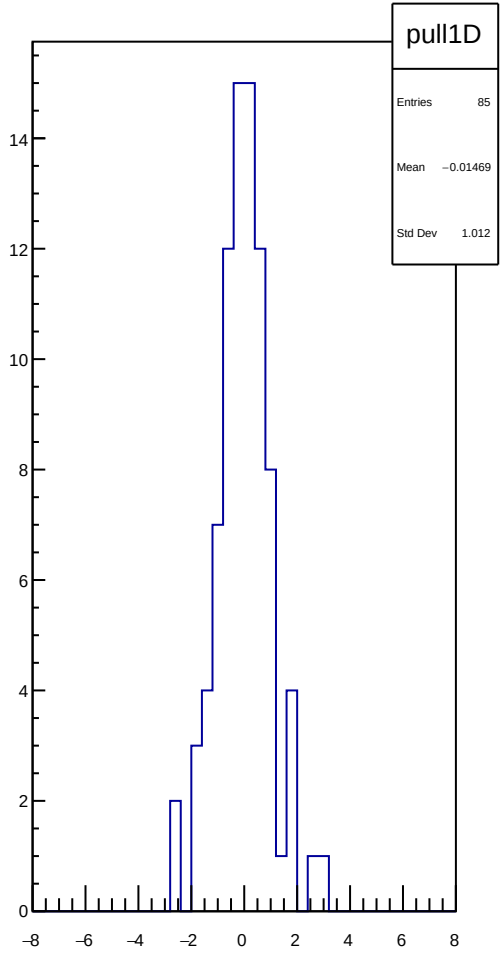

dit_asym_atr_dd_rms vs run
χ^2 / ndf 108.4 / 84
p0 1970 ± 1.516
2040
2020
2000
1980
1960
1940
1920

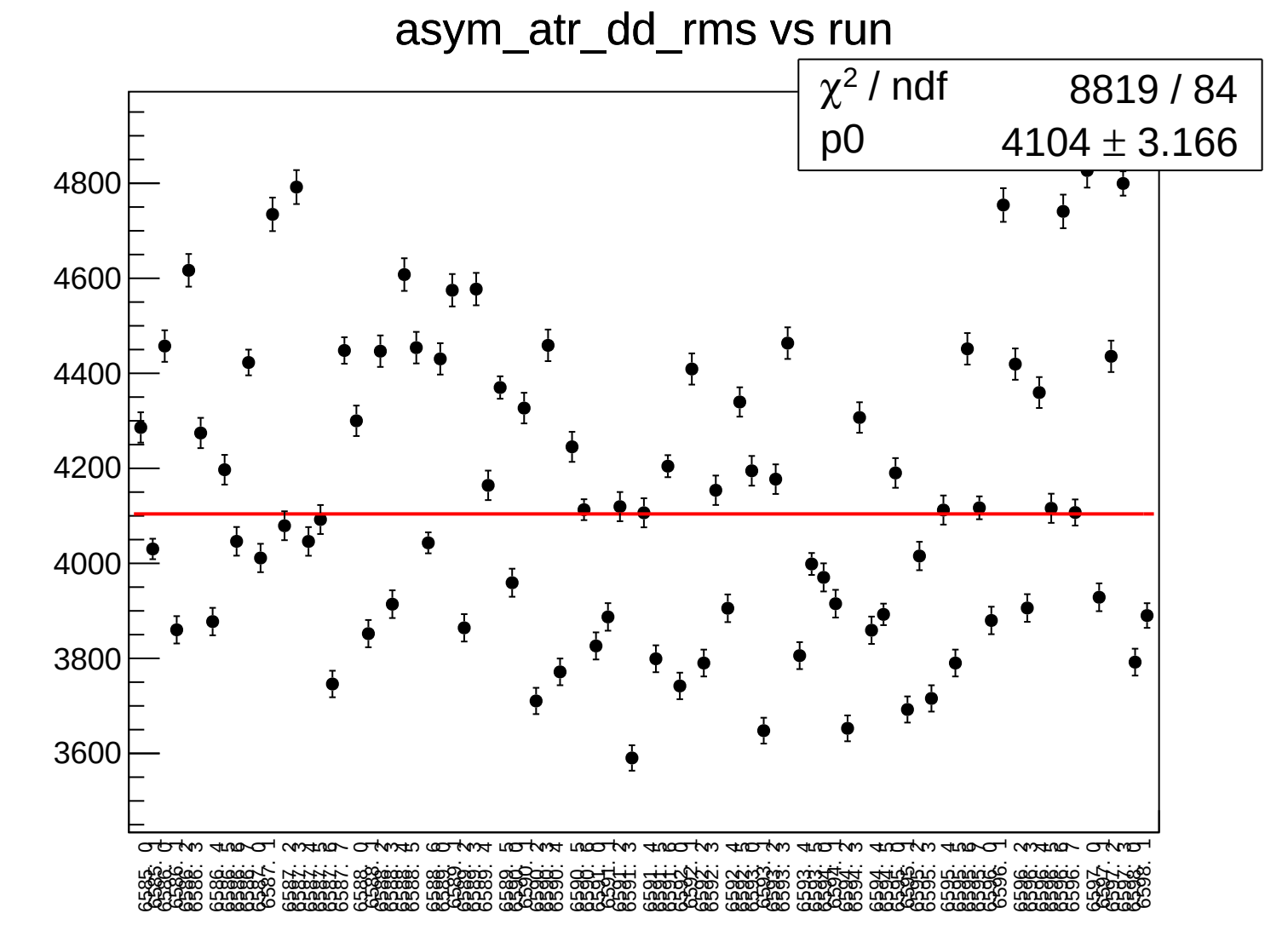

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 88.01 / 84
p0 −894 ± 3963
150
100
50
0
−50
−100
pull
Entries 85
Mean 253.9
Std Dev 251
2
1
0
−1
−2

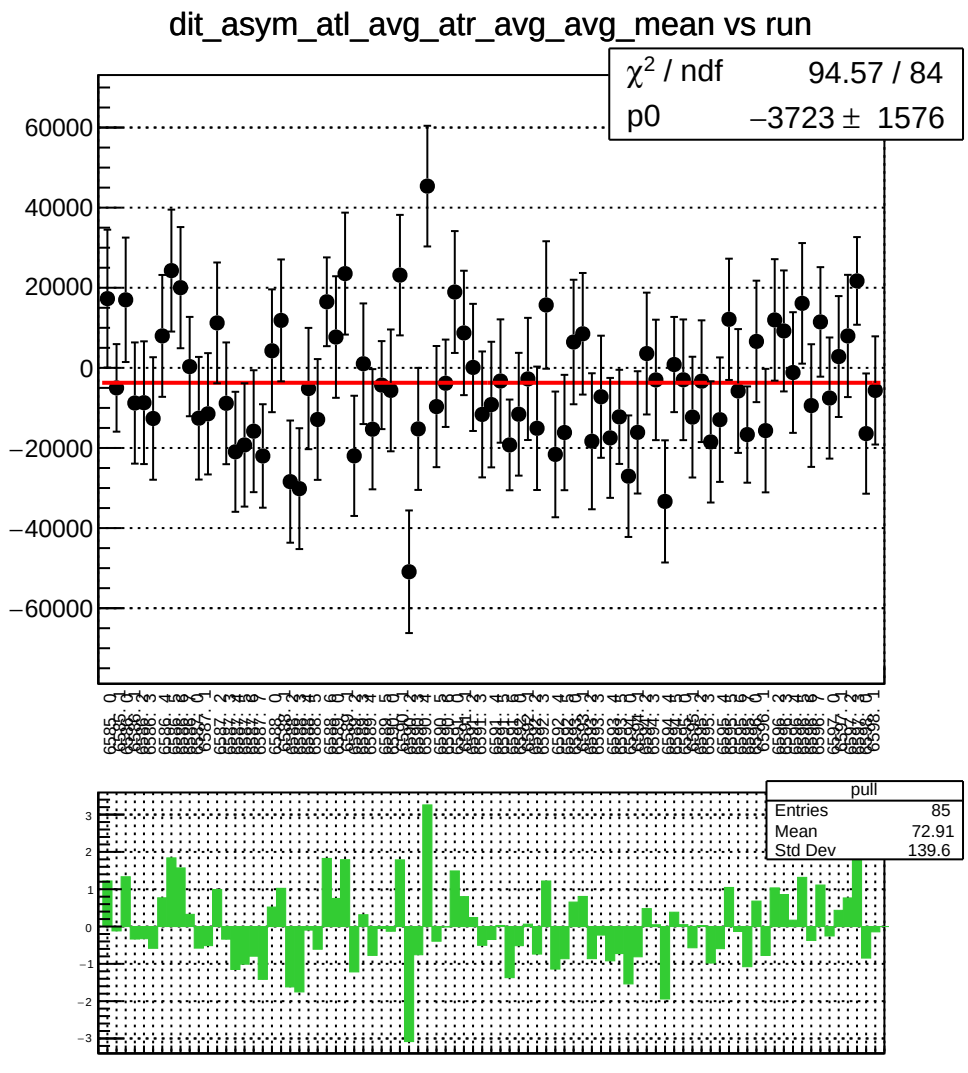

pull1D
Entries 85
Mean 0.005132
Std Dev 1.018
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

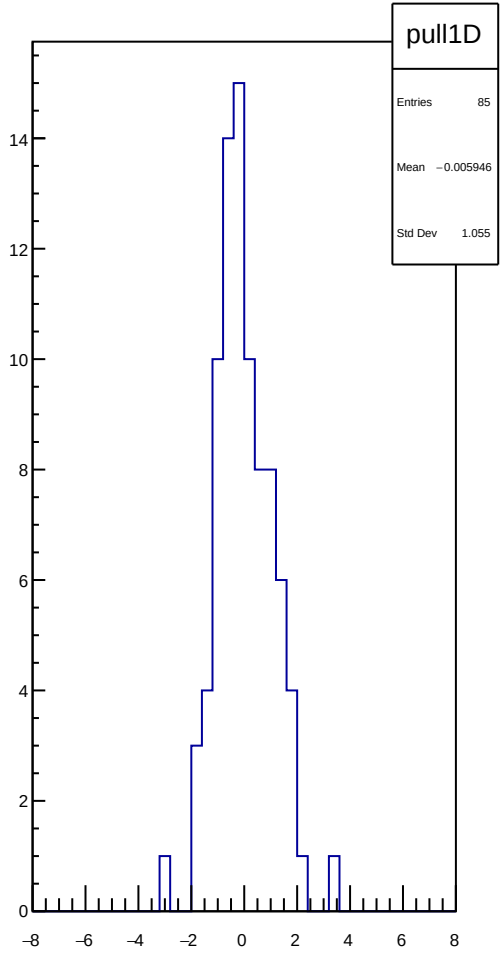

asym_atr_dd_correction_rms vs run
χ^2 / ndf 1.469e+04 / 84
p0 3626 ± 2.802
4600
4400
4200
4000
3800
3600
3400
3200
3000

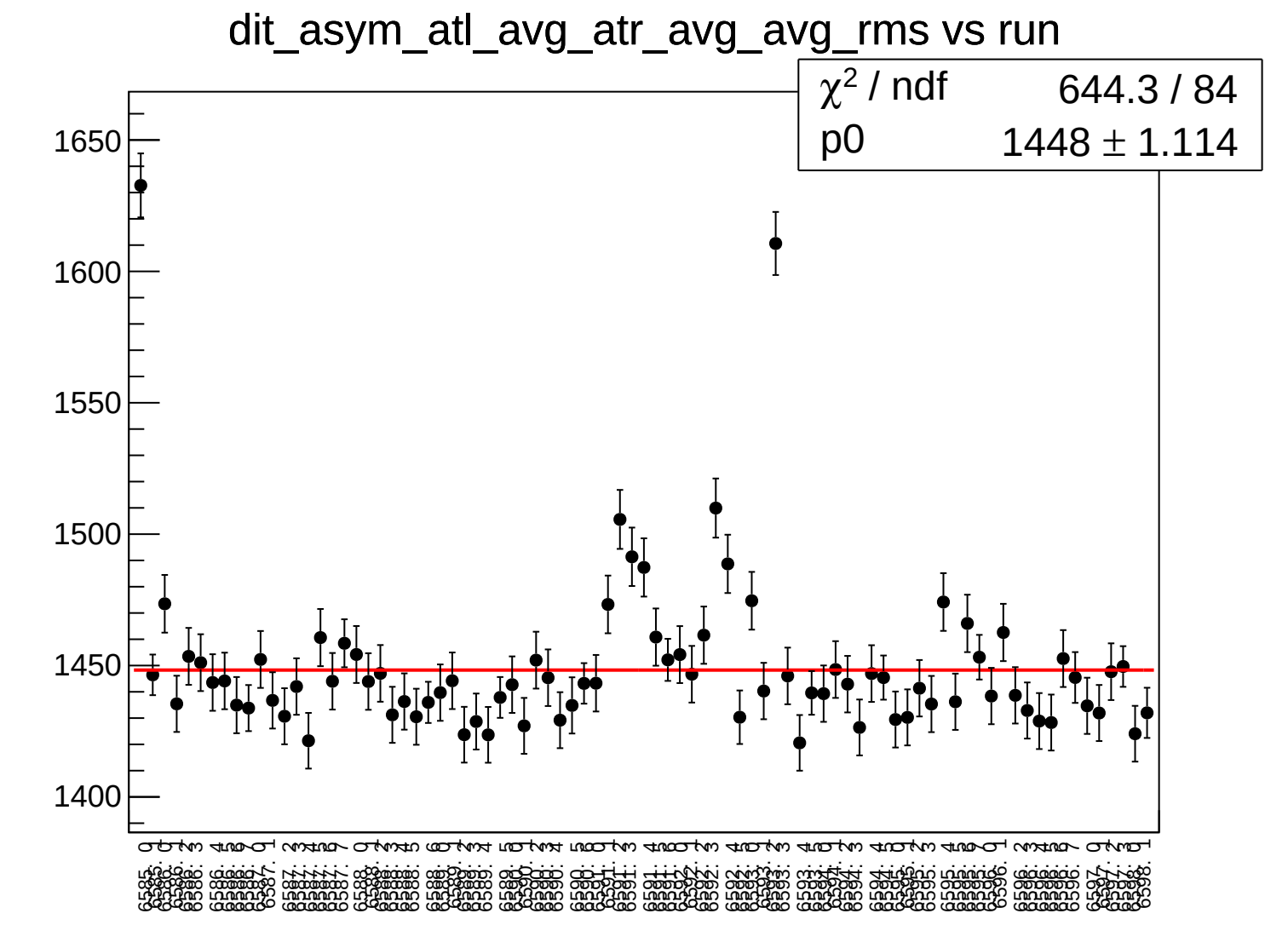

asym_atr_dd_mean vs run
×10^3
χ^2 / ndf 86.99 / 84
p0 1969 ± 4477
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean 111.3
Std Dev 91.77
3
2
1
0
−1
−2
−3

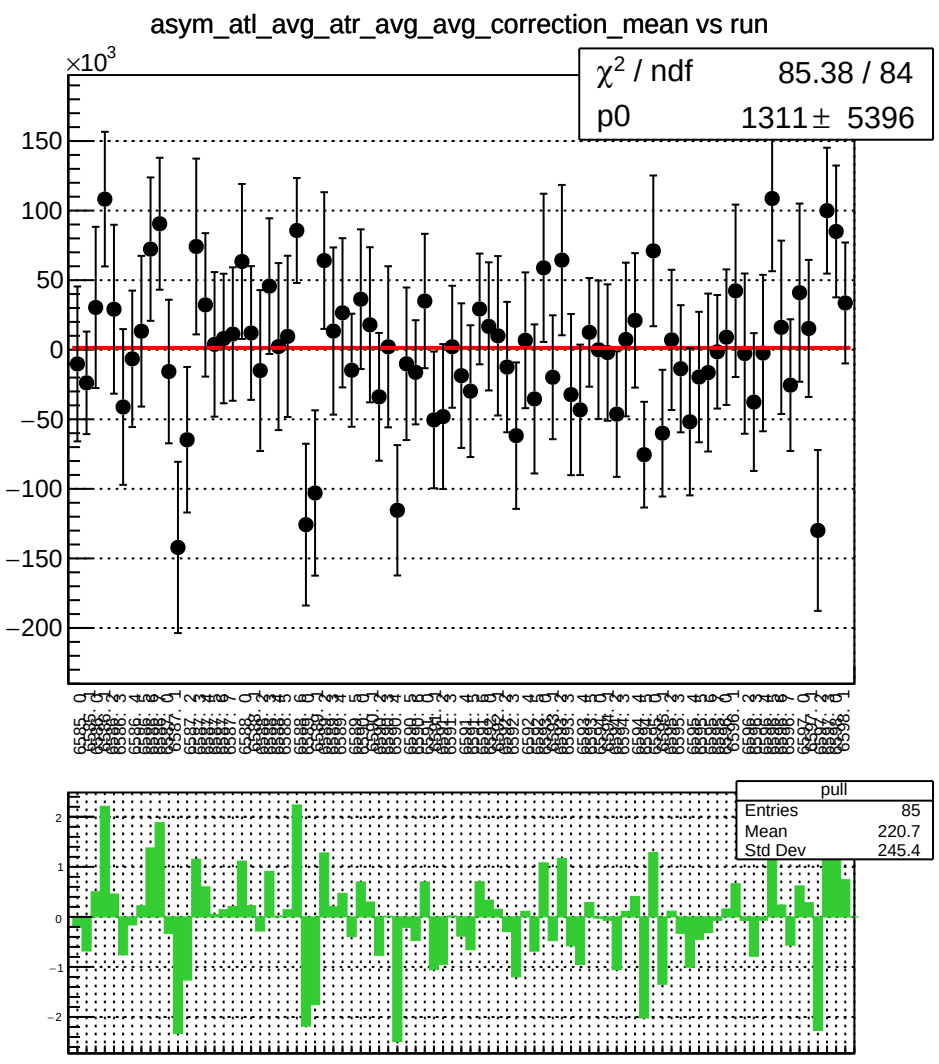

pull1D
Entries 85
Mean −0.01469
Std Dev 1.012
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

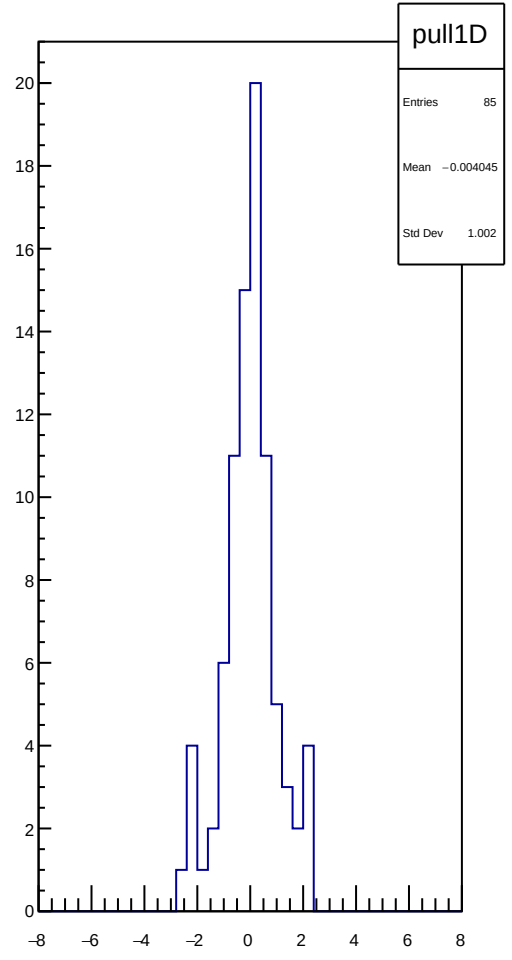

asym_atr_dd_rms vs run
χ² / ndf 8819 / 84
p0 4104 ± 3.166
4800
4600
4400
4200
4000
3800
3600

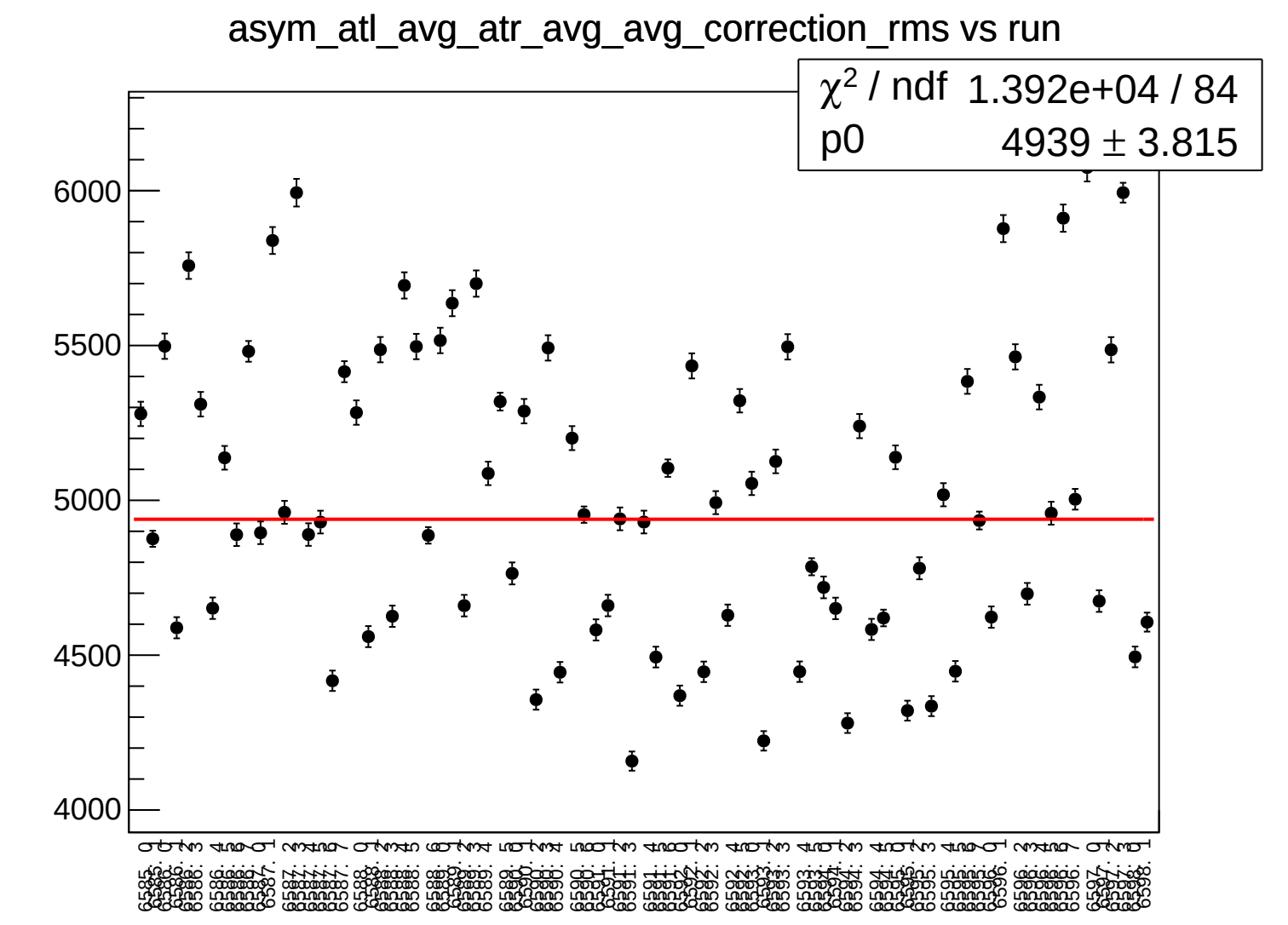

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 94.57 / 84
p0 −3723 ± 1576
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 72.91
Std Dev 139.6
3
2
1
0
−1
−2
−3

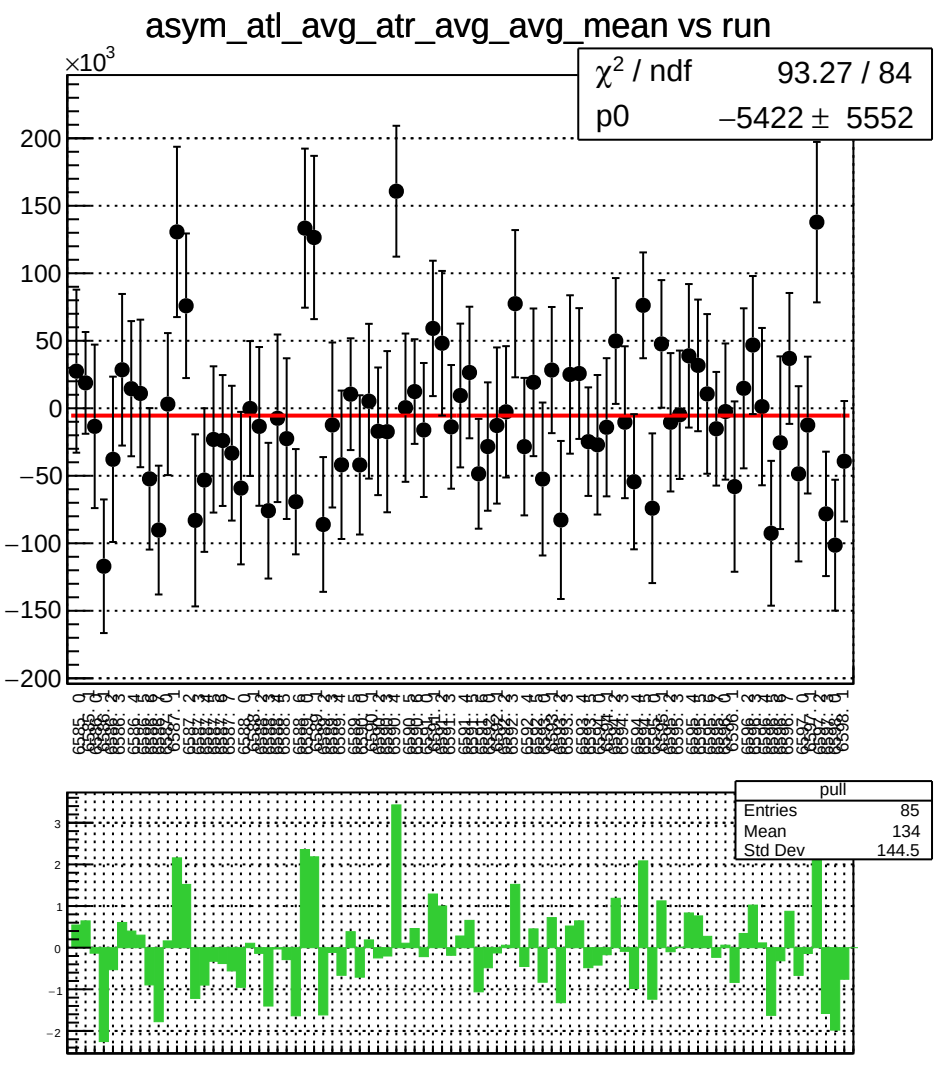

pull1D
Entries 85
Mean −0.005946
Std Dev 1.055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

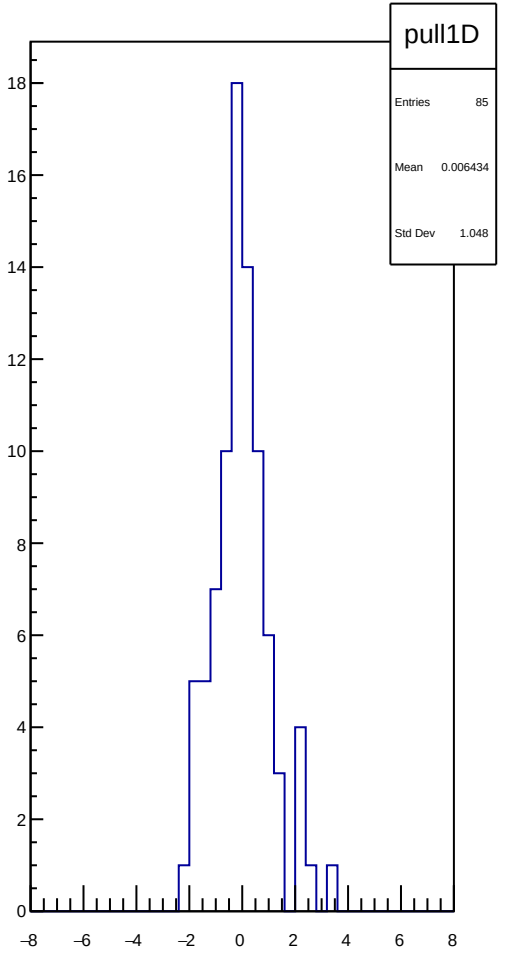

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ^2 / ndf 644.3 / 84
p0 1448 ± 1.114
1650
1600
1550
1500
1450
1400

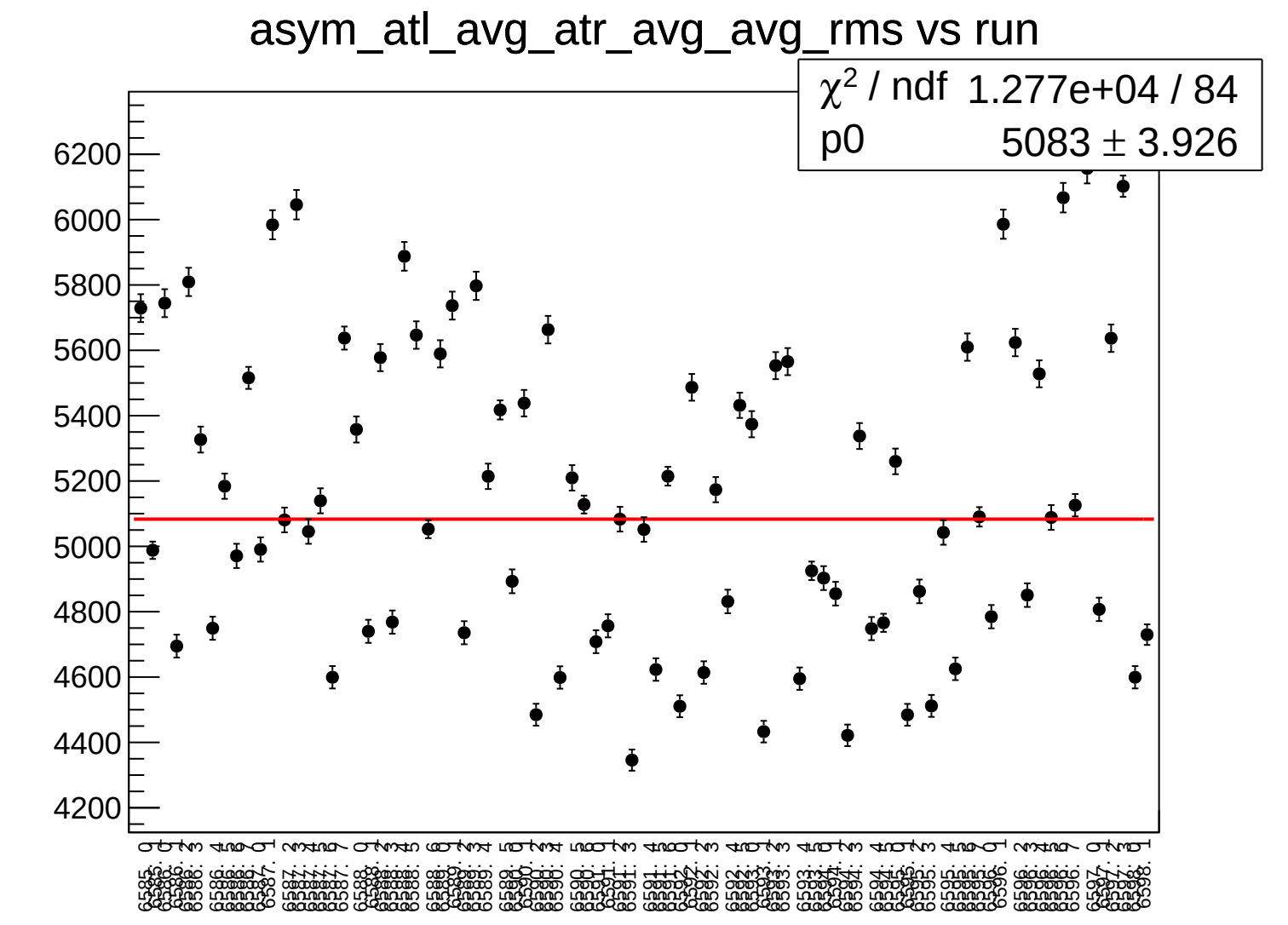

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 85.38 / 84
p0 1311 ± 5396
150
100
50
0
−50
−100
−150
−200
pull
Entries 85
Mean 220.7
Std Dev 245.4
2
1
0
−1
−2

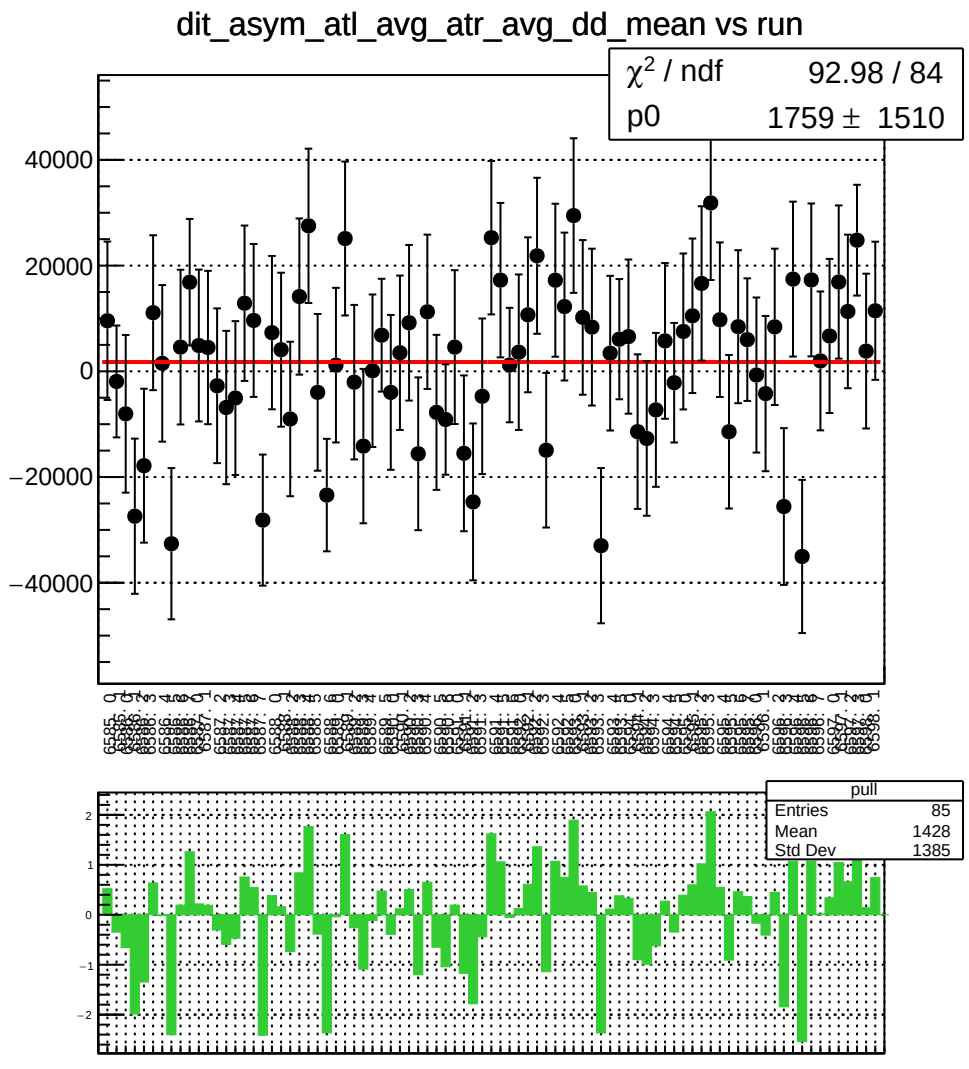

pull1D
Entries 85
Mean −0.004045
Std Dev 1.002
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

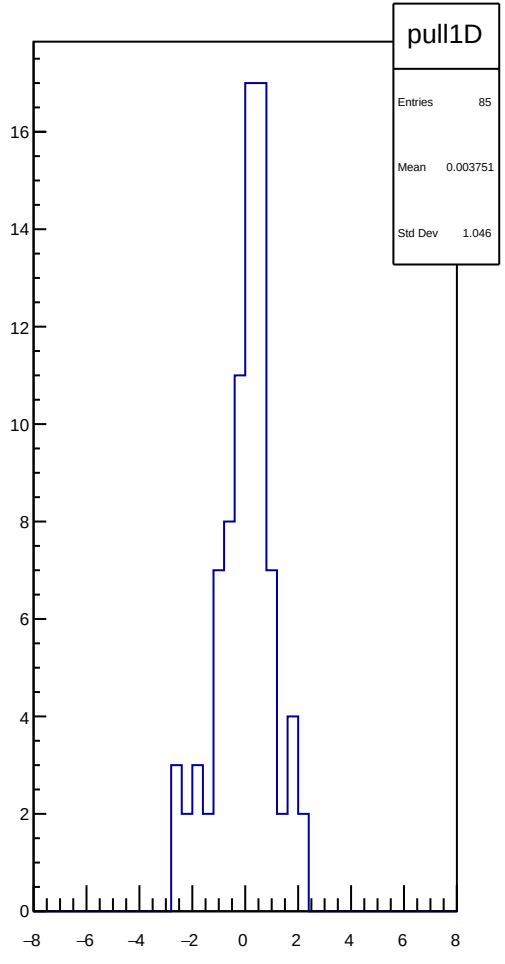

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 1.392e+04 / 84
p0 4939 ± 3.815
6000
5500
5000
4500
4000

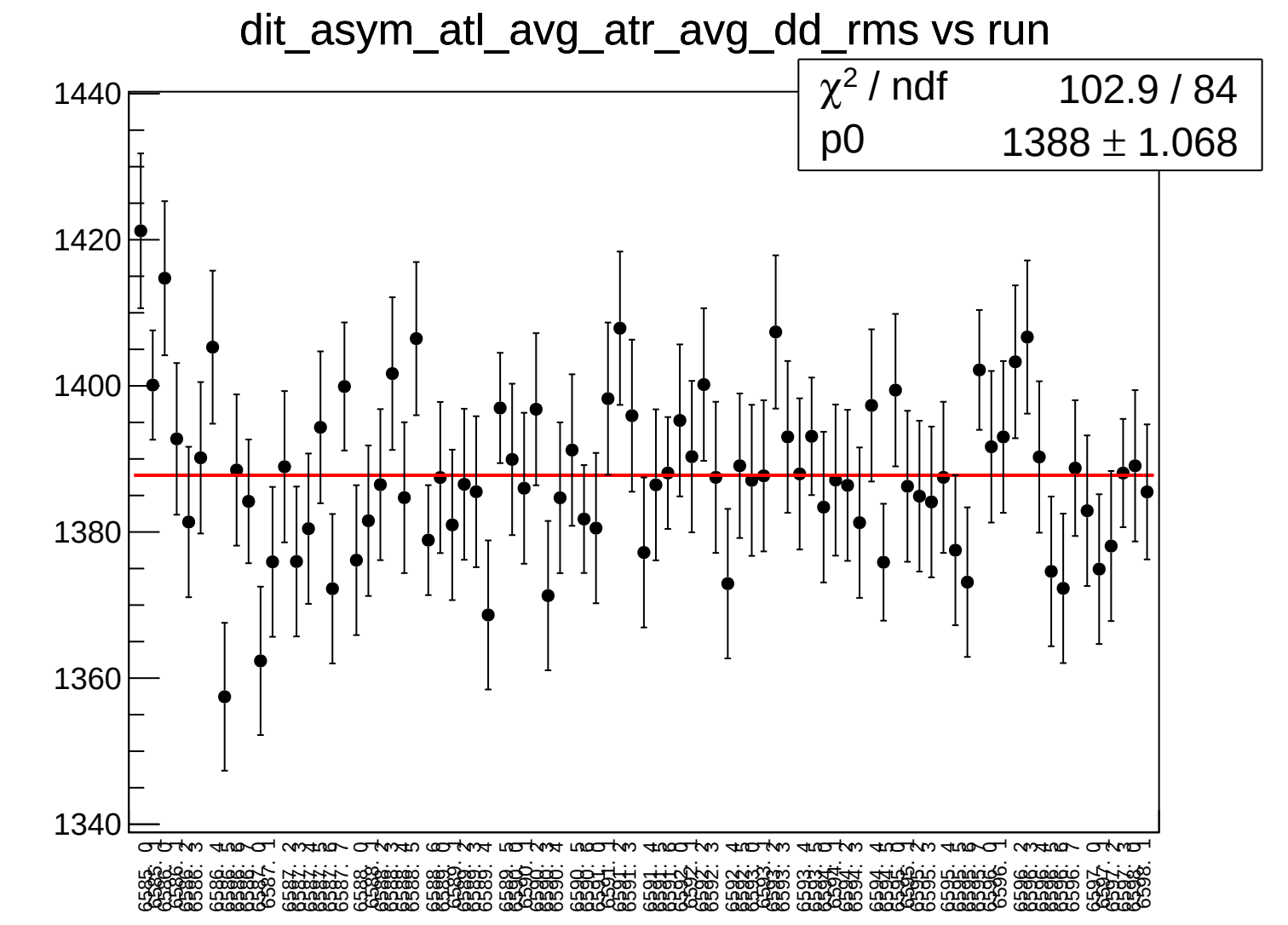

asym_atl_avg_atr_avg_avg_mean vs run
χ^2 / ndf 93.27 / 84
p0 −5422 ± 5552
×10^3
pull
Entries 85
Mean 134
Std Dev 144.5

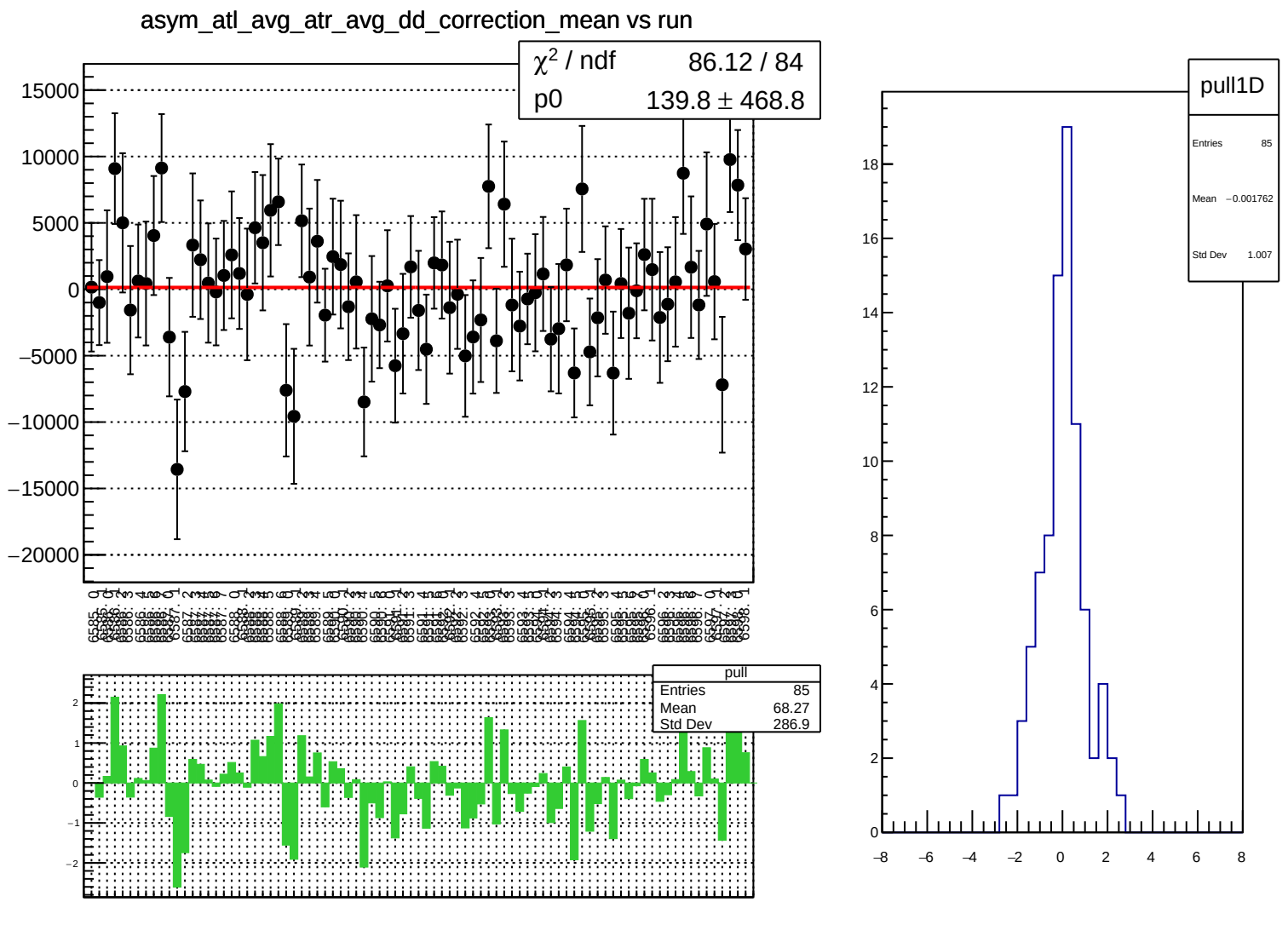

pull1D
Entries 85
Mean 0.006434
Std Dev 1.048

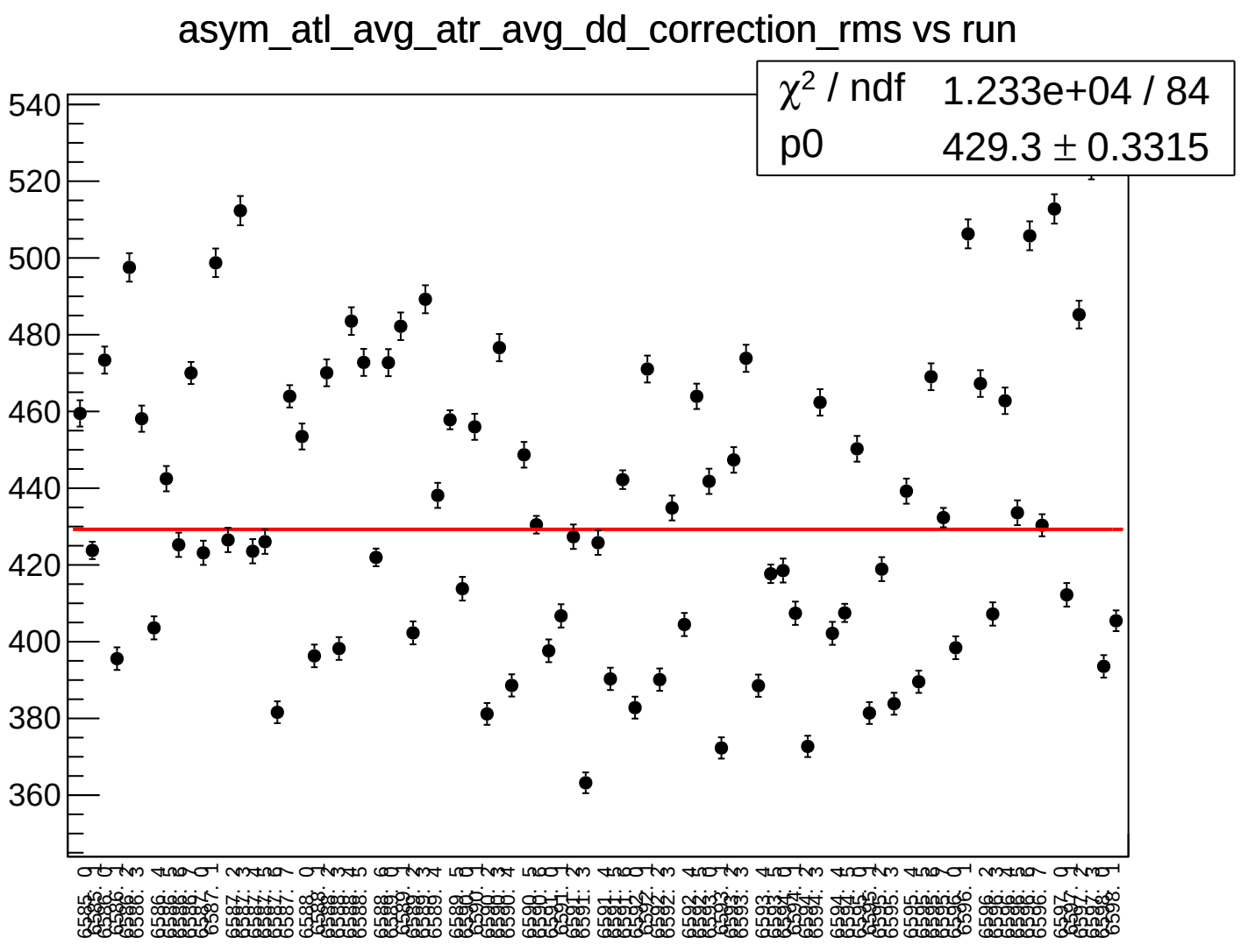

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.277e+04 / 84
p0 5083 ± 3.926
6200
6000
5800
5600
5400
5200
5000
4800
4600
4400
4200

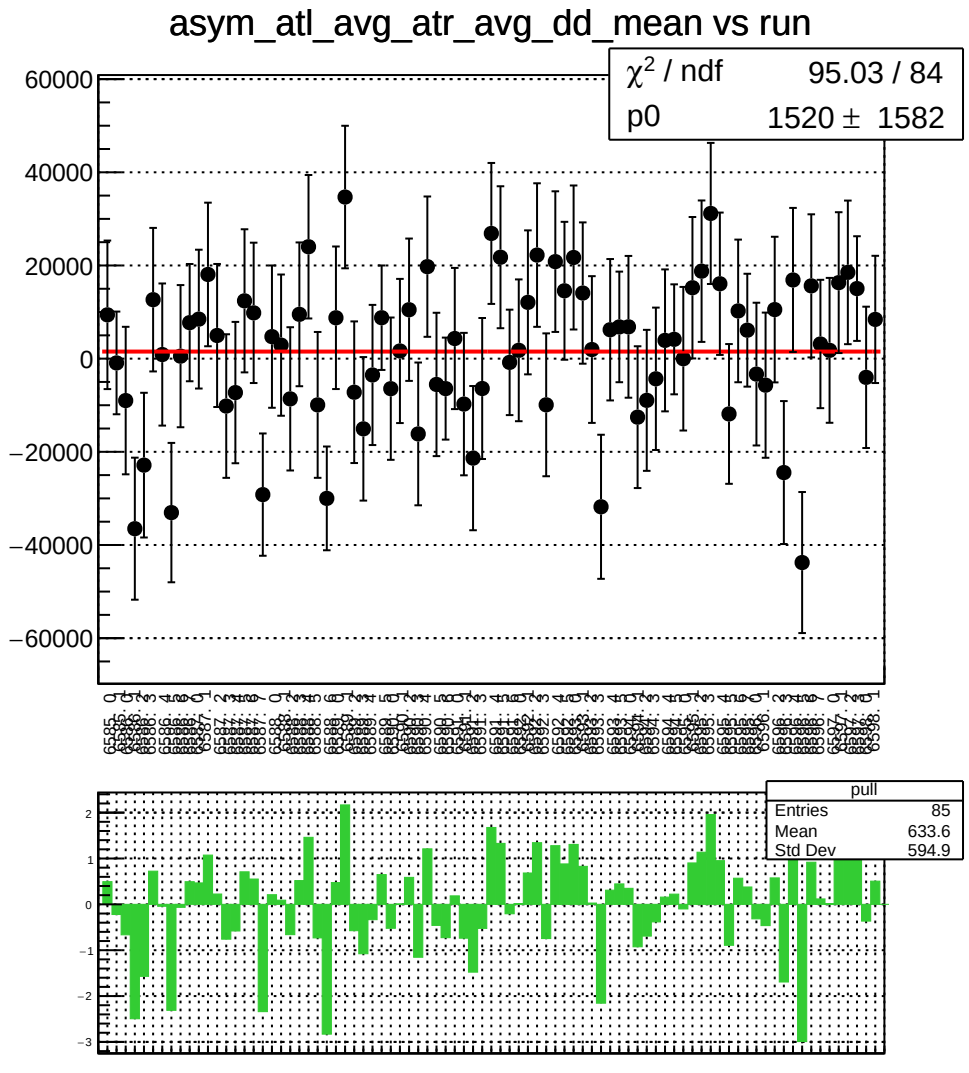

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 92.98 / 84
p0 1759 ± 1510
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 1428
Std Dev 1385
2
1
0
−1
−2

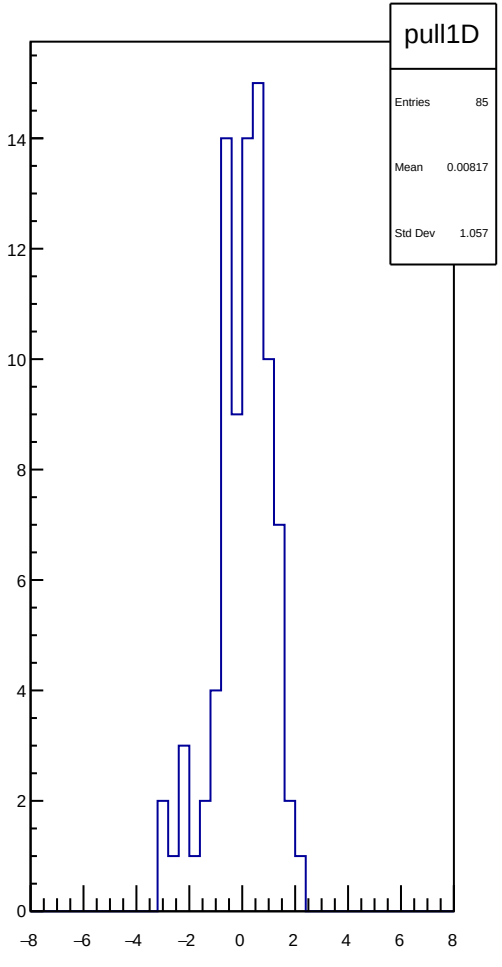

pull1D
Entries 85
Mean 0.003751
Std Dev 1.046
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

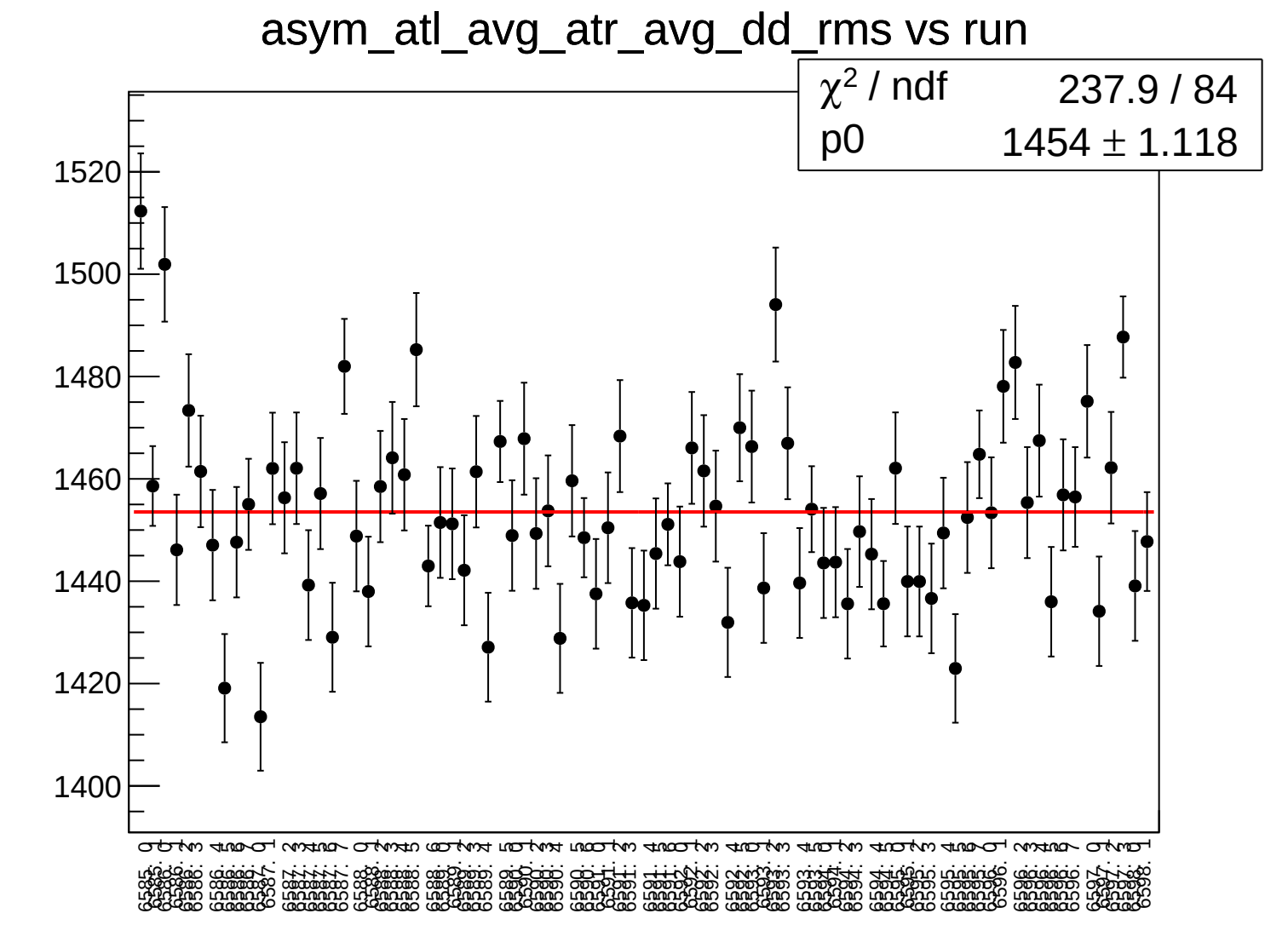

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 102.9 / 84
p0 1388 ± 1.068
1440
1420
1400
1380
1360
1340

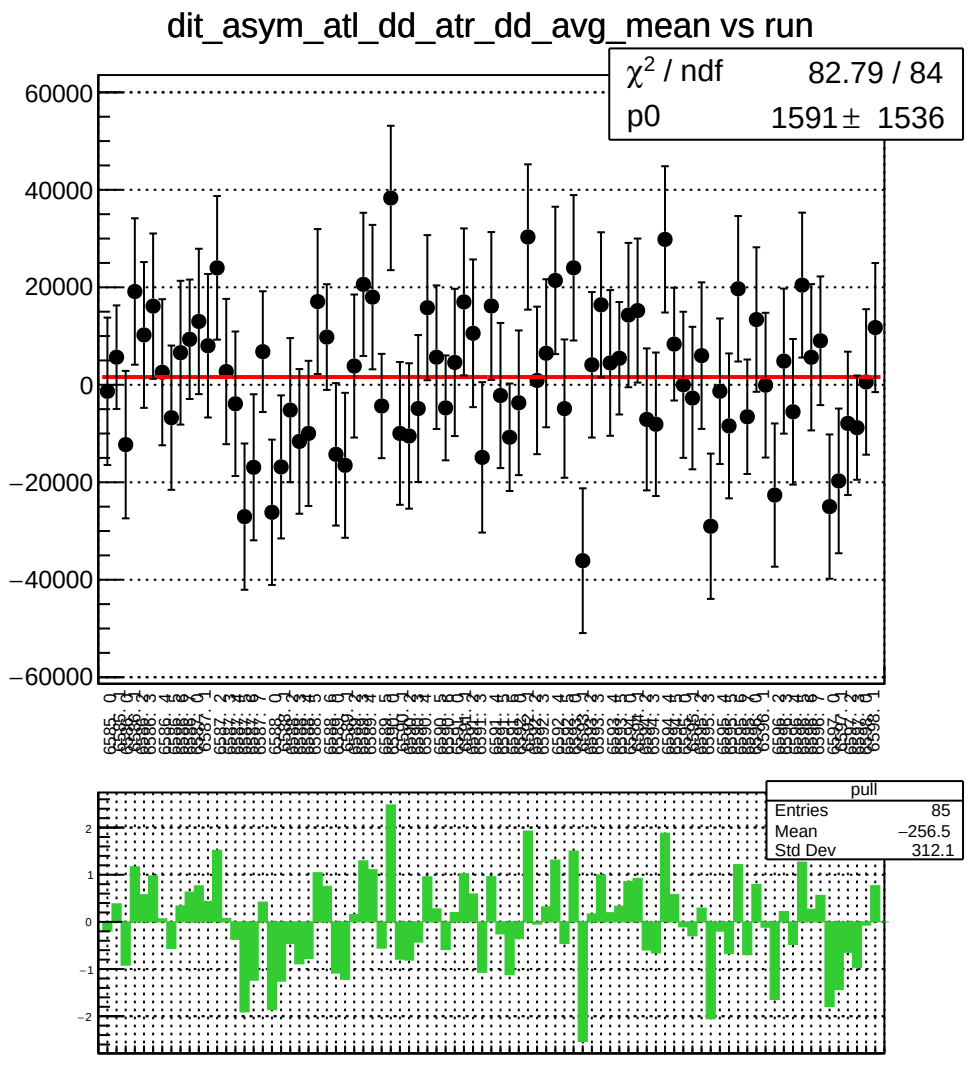

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 86.12 / 84
p0 139.8 ± 468.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 85
Mean 68.27
Std Dev 286.9
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.001762
Std Dev 1.007
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

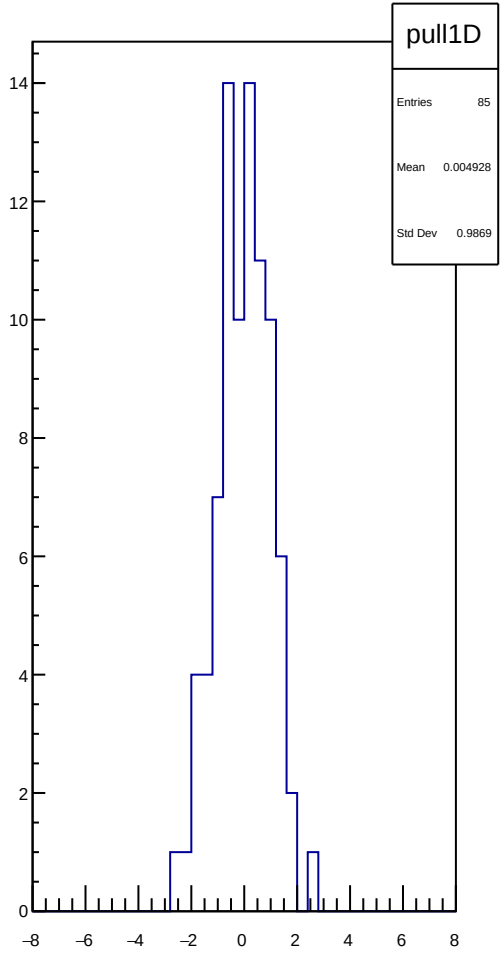

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1.233e+04 / 84
p0 429.3 ± 0.3315
540
520
500
480
460
440
420
400
380
360

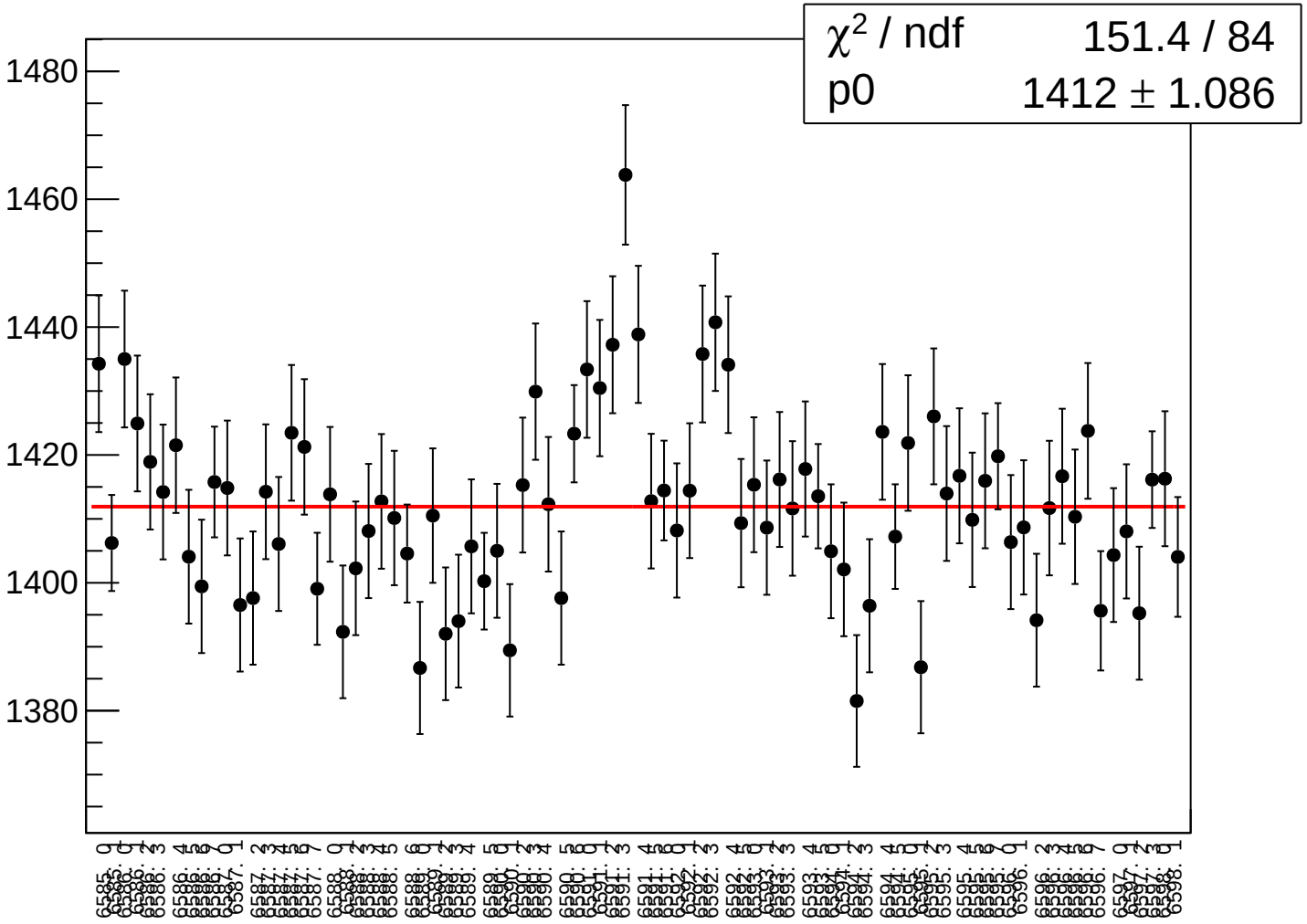

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 95.03 / 84
p0 1520 ± 1582
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 633.6
Std Dev 594.9
2
1
0
−1
−2
−3

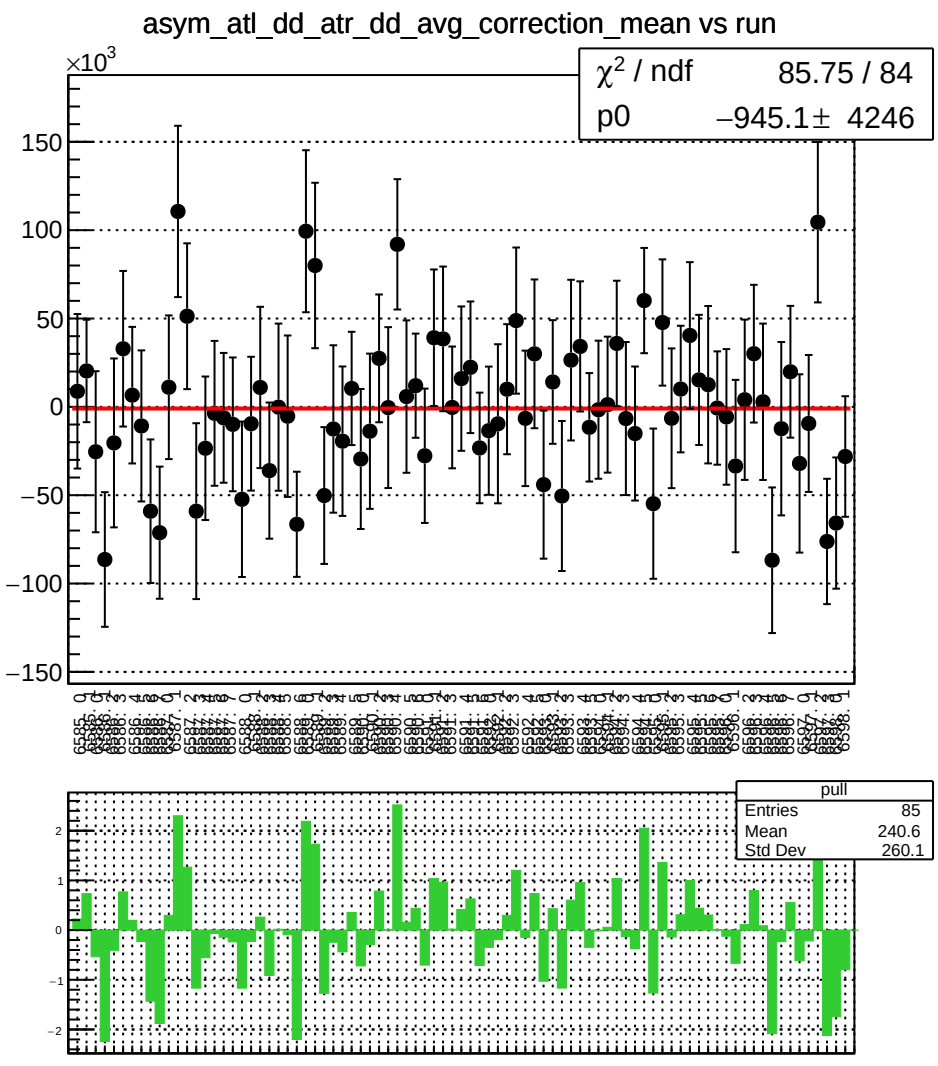

pull1D
Entries 85
Mean 0.00817
Std Dev 1.057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

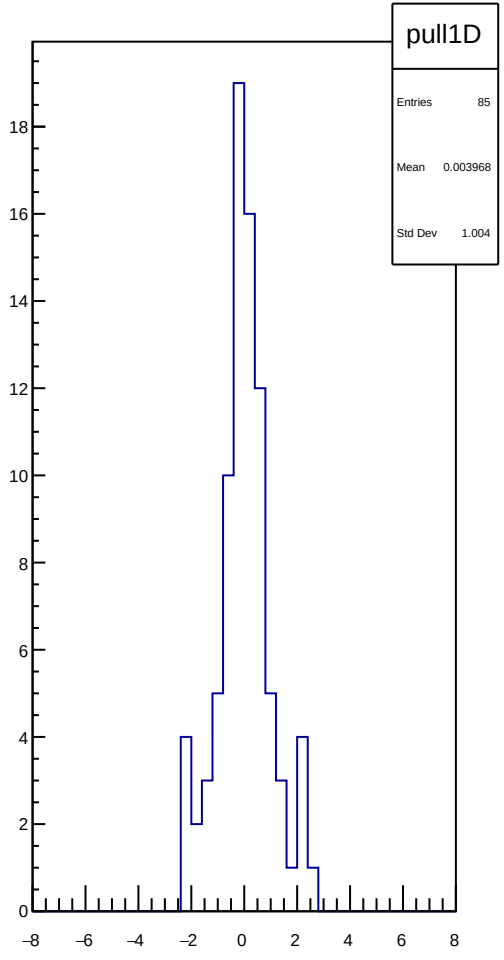

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 237.9 / 84
p0 1454 ± 1.118
1520
1500
1480
1460
1440
1420
1400

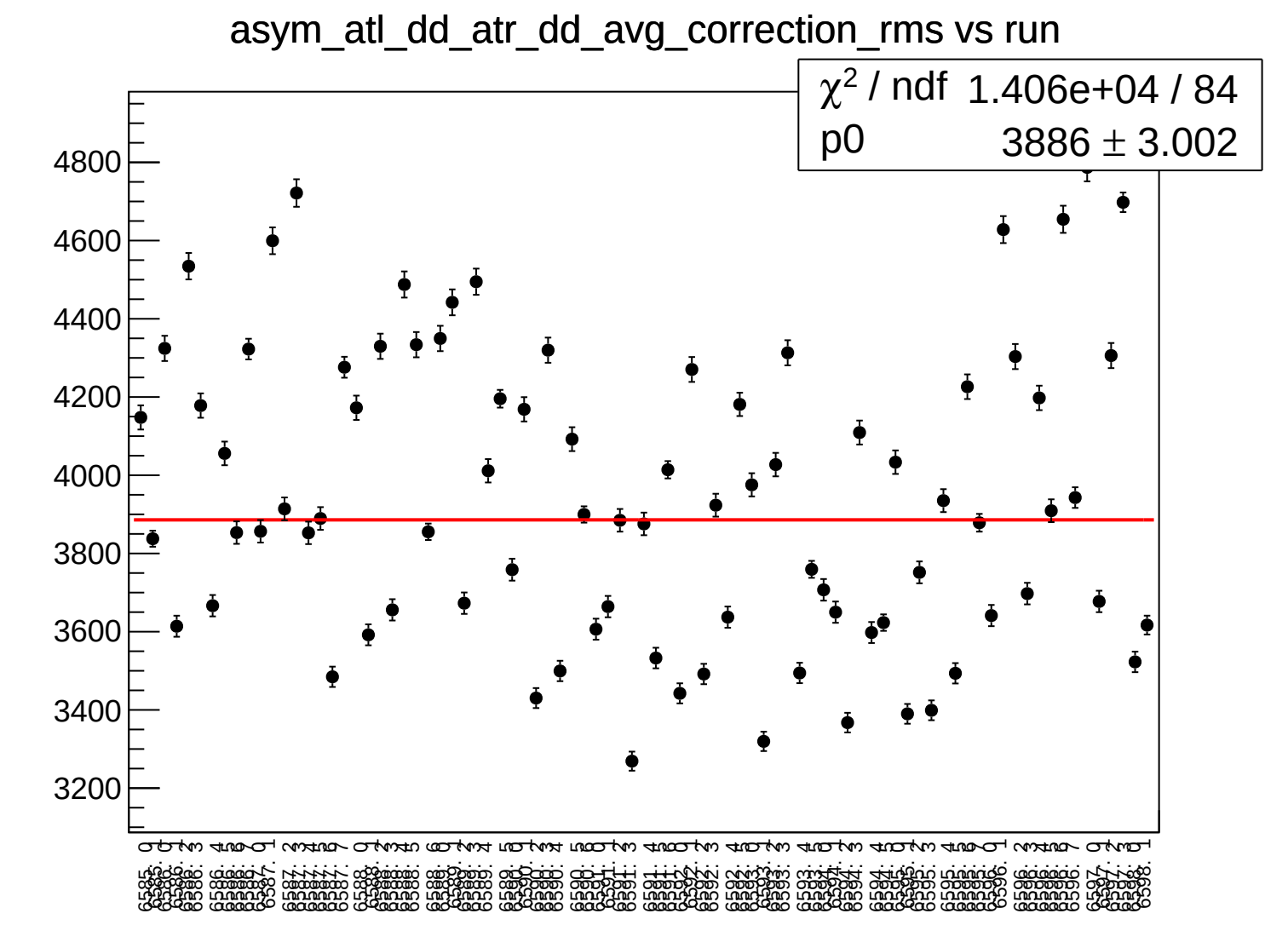

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 82.79 / 84
p0 1591 ± 1536
pull
Entries 85
Mean −256.5
Std Dev 312.1

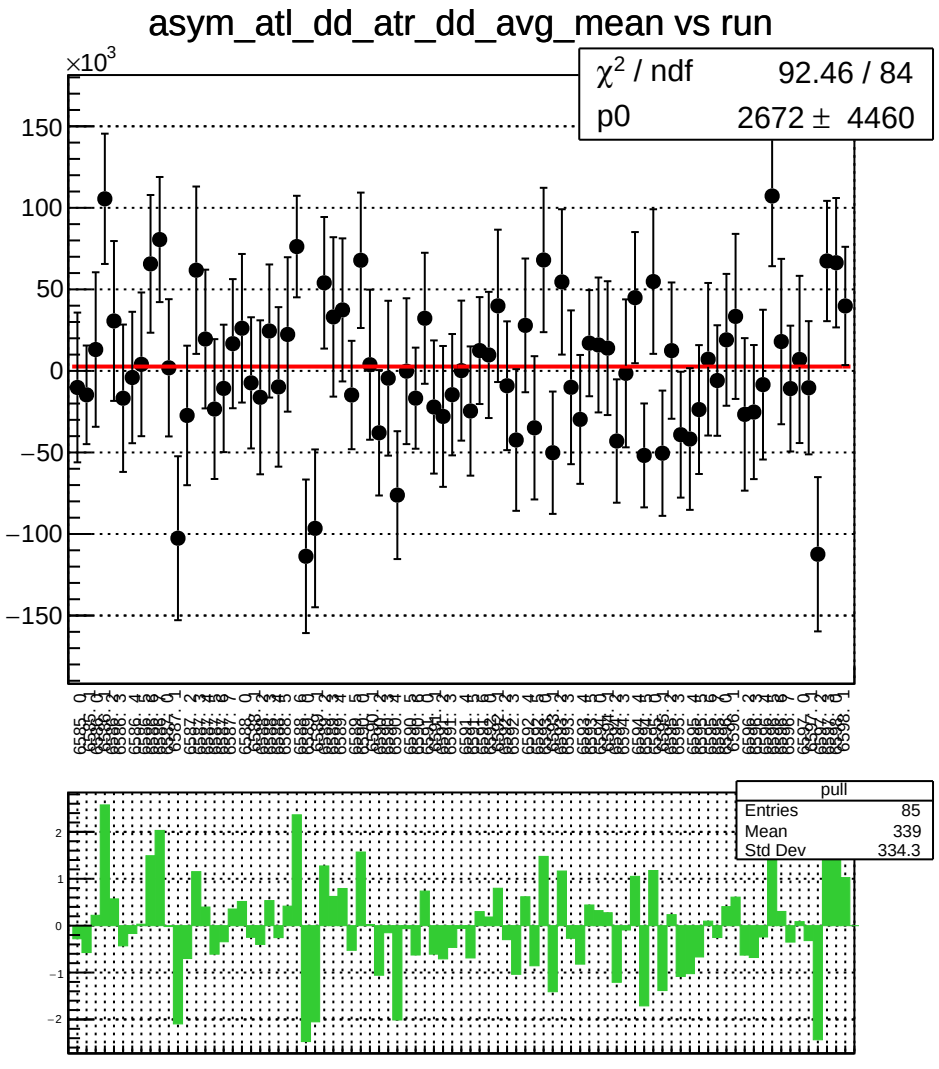

pull1D
Entries 85
Mean 0.004928
Std Dev 0.9869

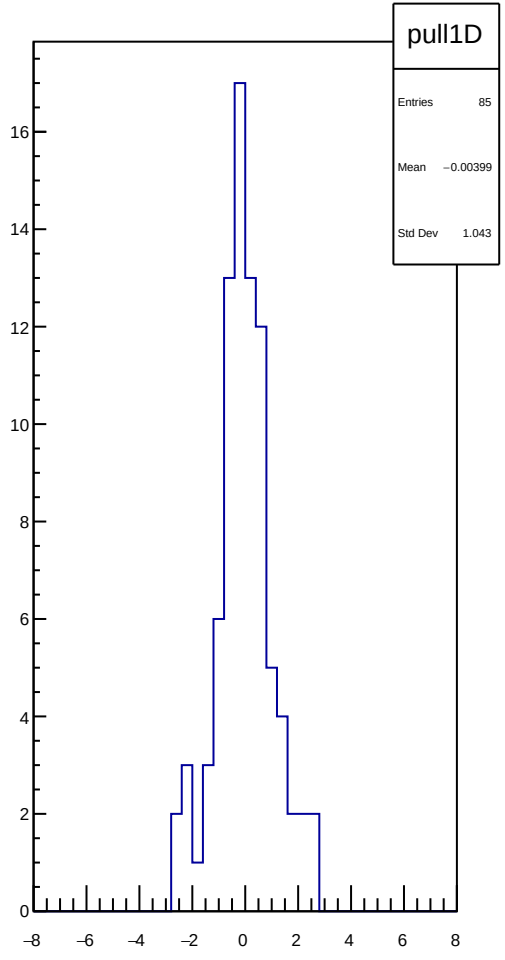

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 151.4 / 84
p0 1412 ± 1.086
1480
1460
1440
1420
1400
1380

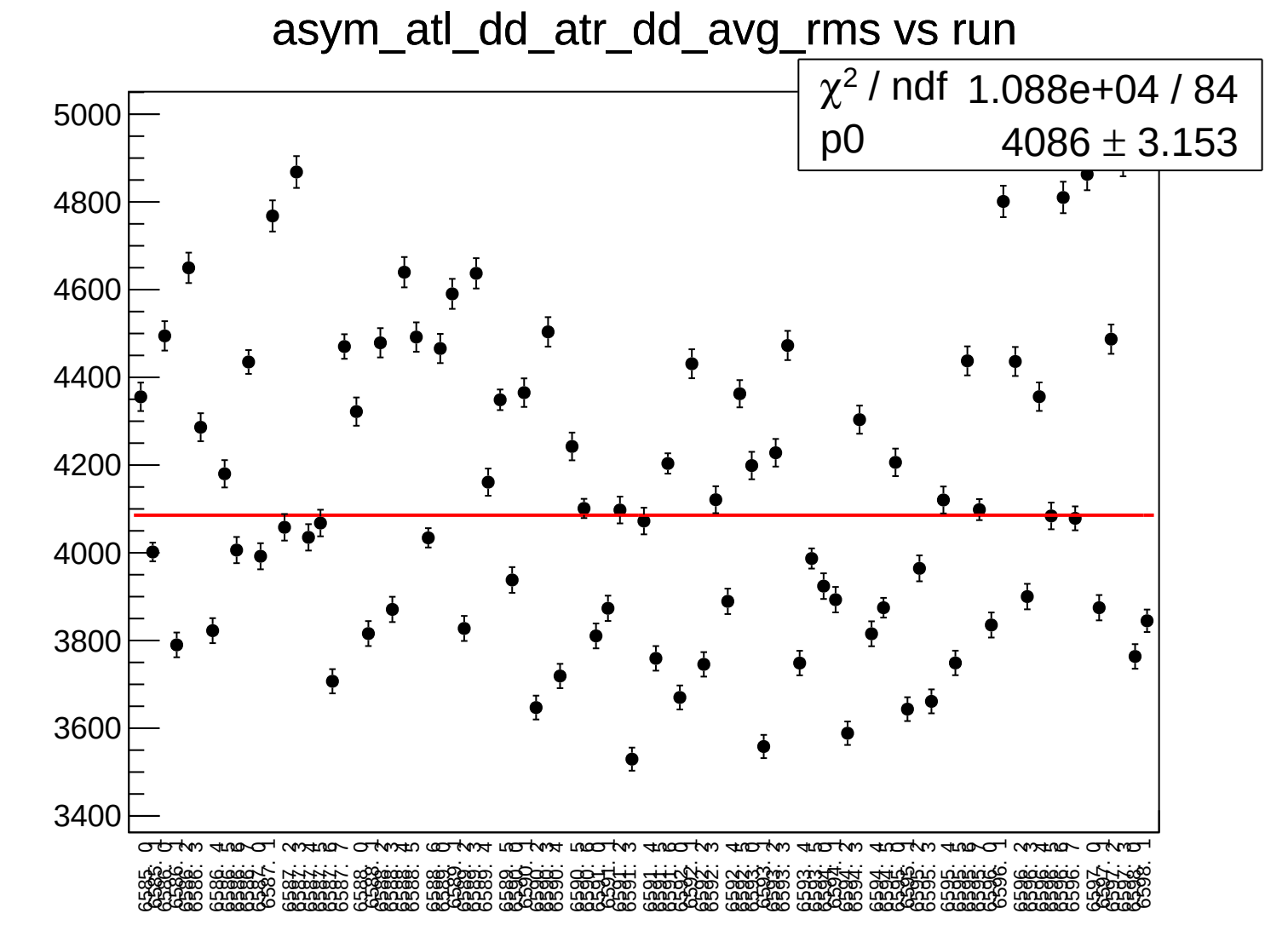

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 85.75 / 84
p0 −945.1± 4246
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean 240.6
Std Dev 260.1
2
1
0
−1
−2

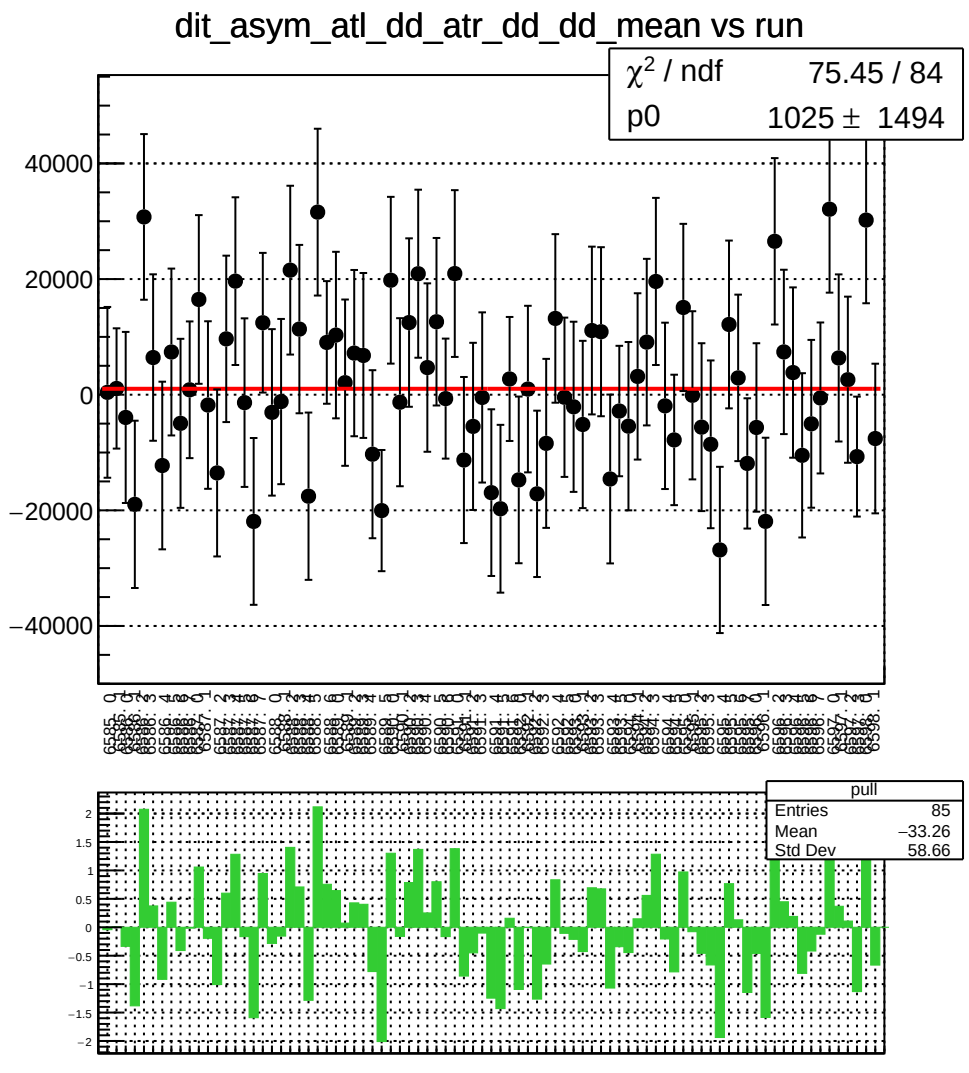

pull1D
Entries 85
Mean 0.003968
Std Dev 1.004
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

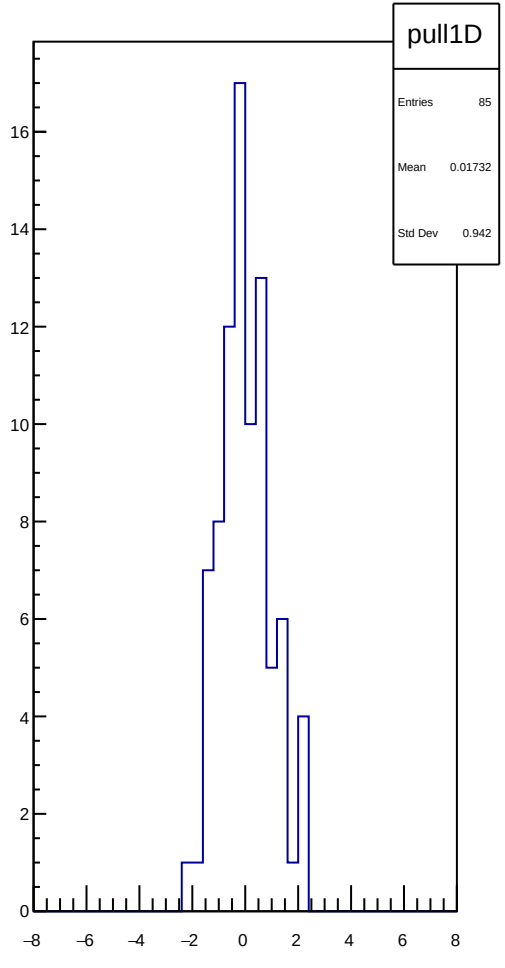

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 1.406e+04 / 84
p0 3886 ± 3.002
4800
4600
4400
4200
4000
3800
3600
3400
3200

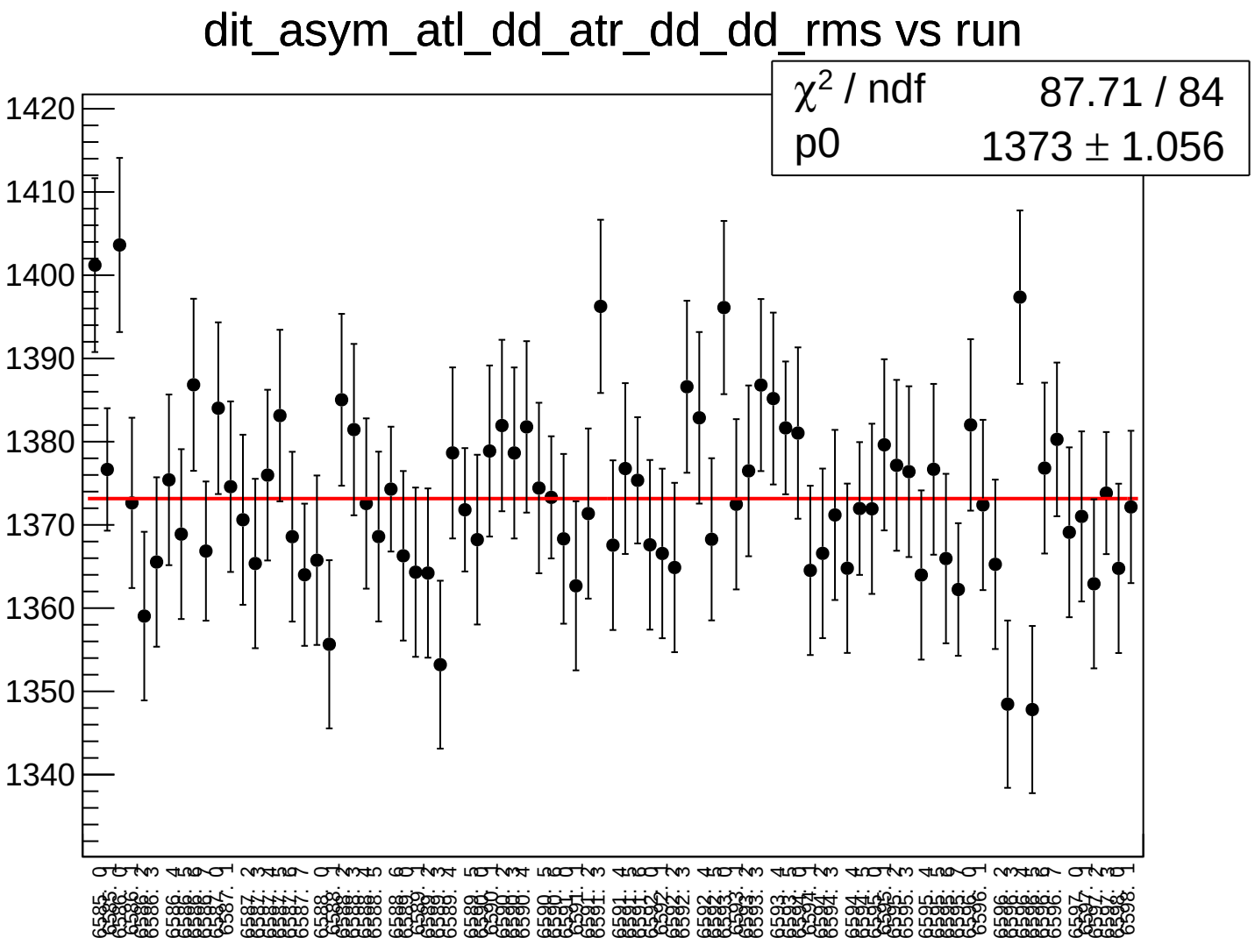

asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 92.46 / 84
p0 2672 ± 4460
×10³
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean 339
Std Dev 334.3
2
1
0
−1
−2

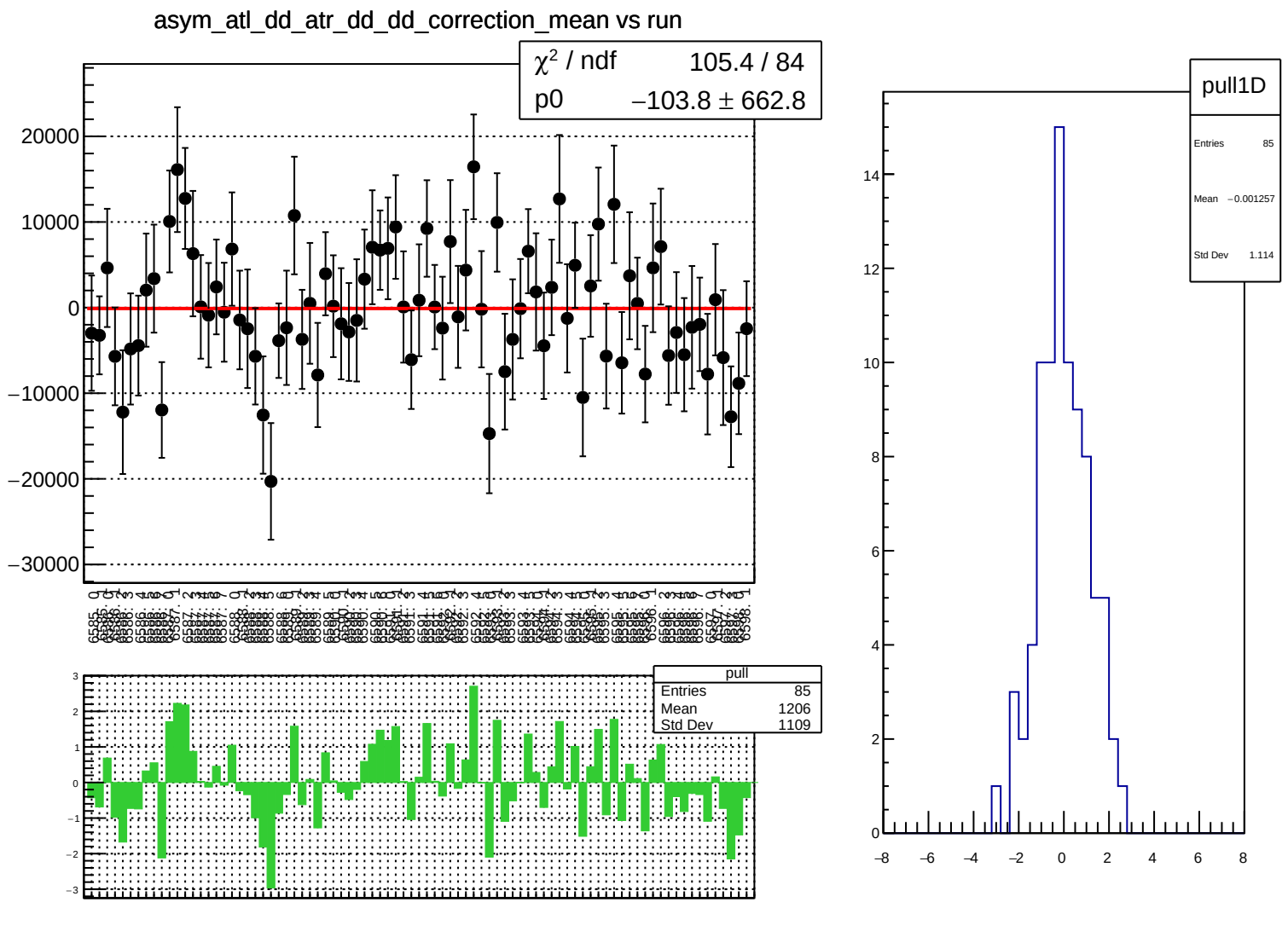

pull1D
Entries 85
Mean −0.00399
Std Dev 1.043
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

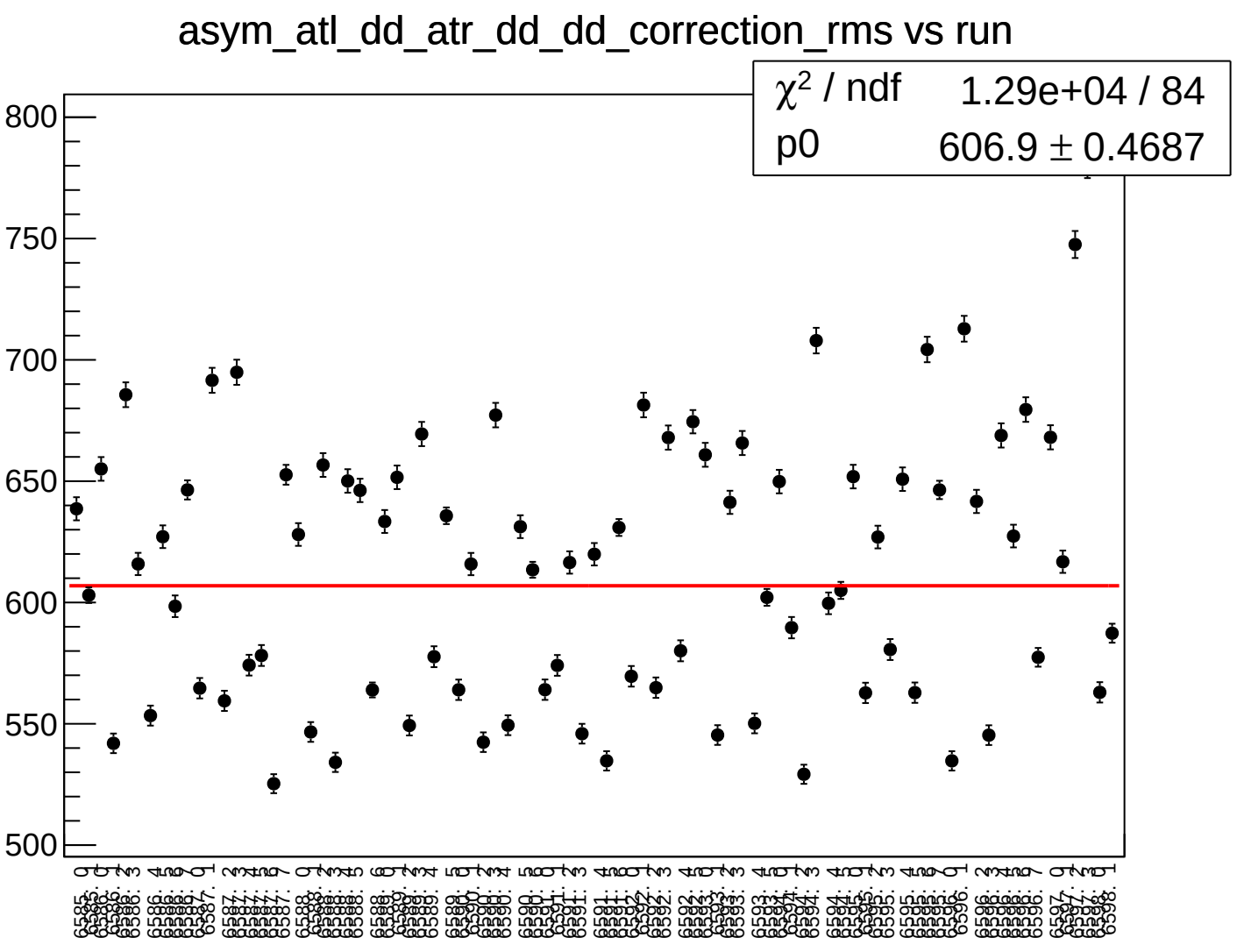

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1.088e+04 / 84
p0 4086 ± 3.153
5000
4800
4600
4400
4200
4000
3800
3600
3400

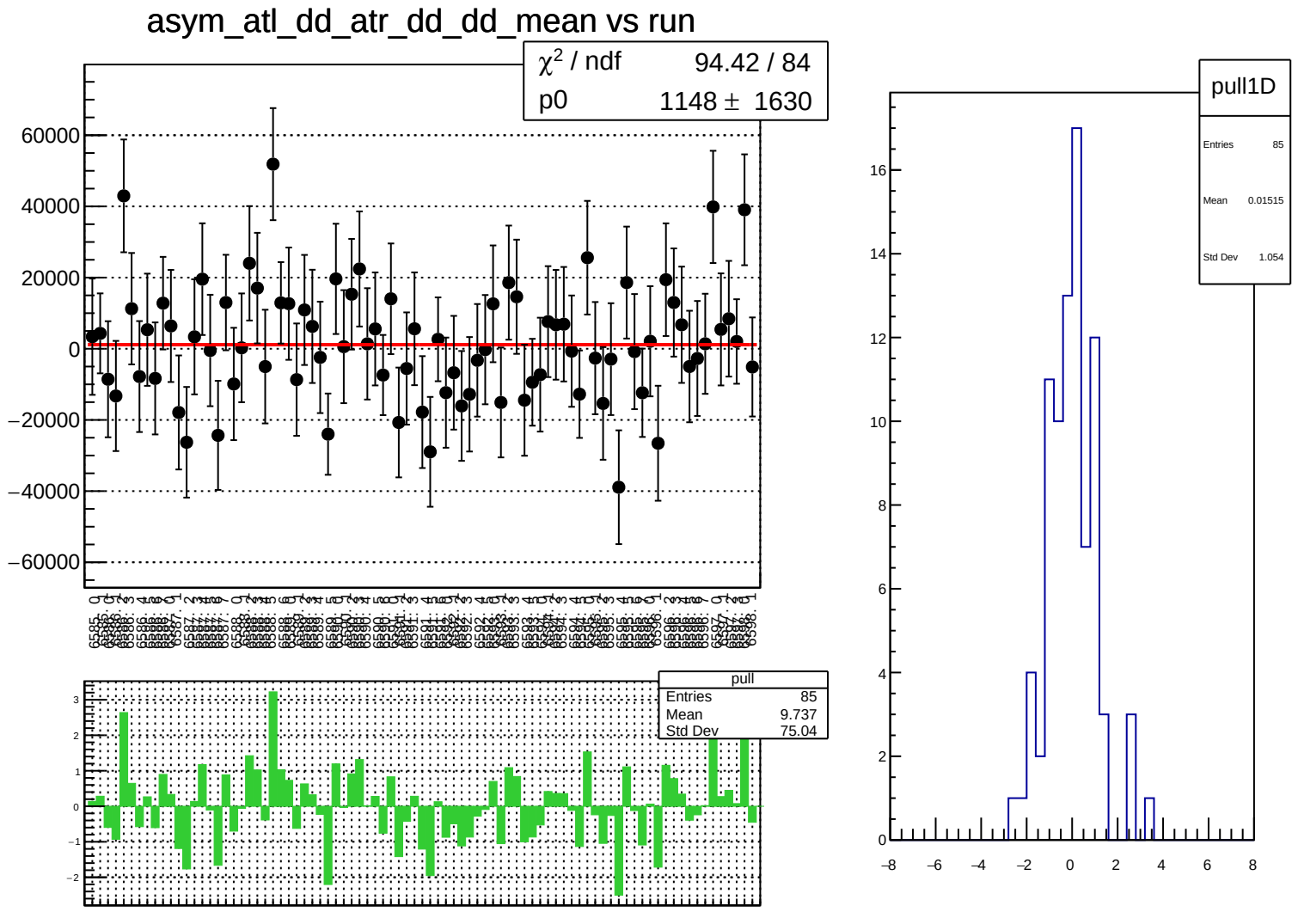

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 75.45 / 84
p0 1025 ± 1494
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −33.26
Std Dev 58.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

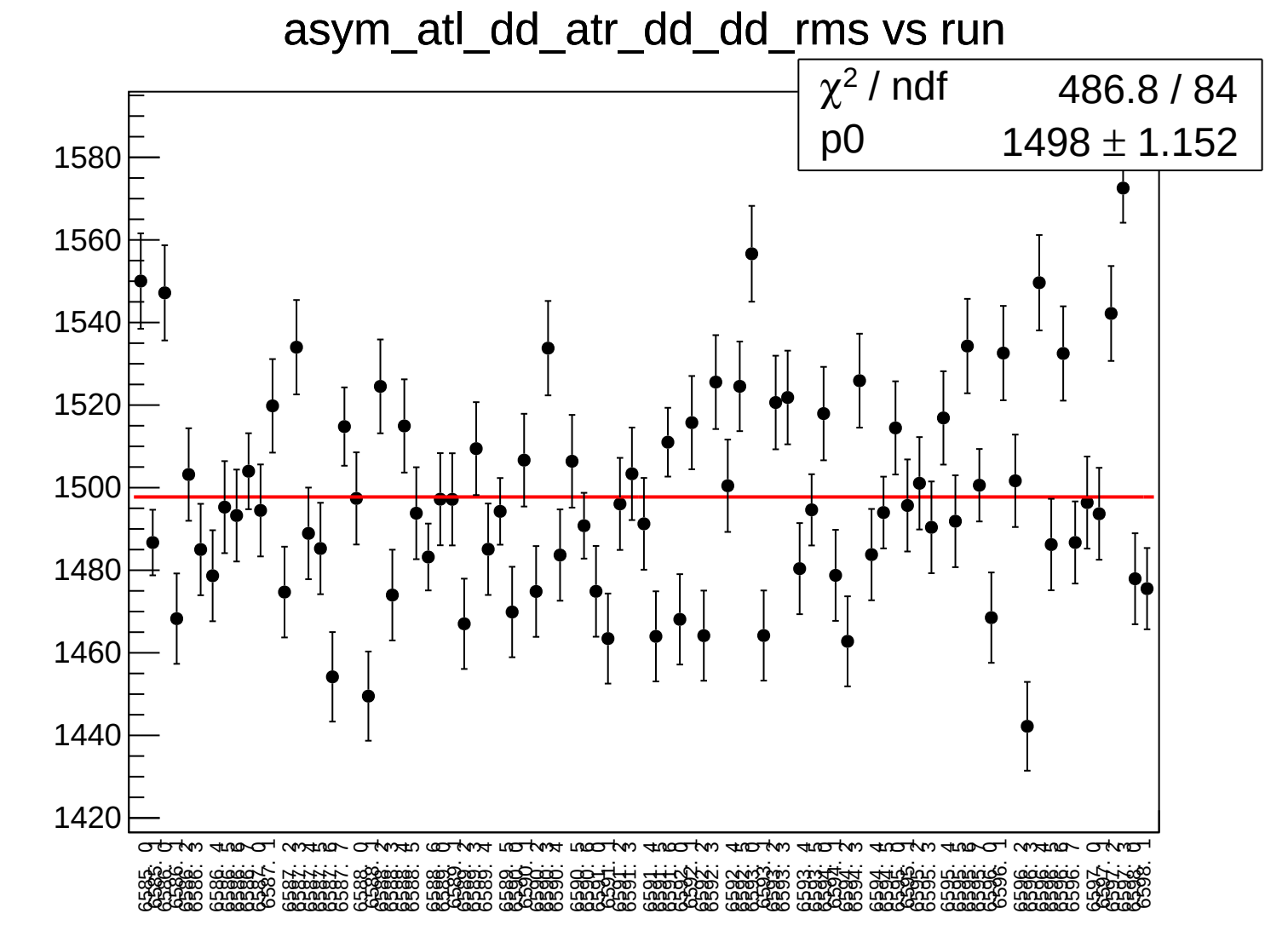

pull1D
Entries 85
Mean 0.01732
Std Dev 0.942
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

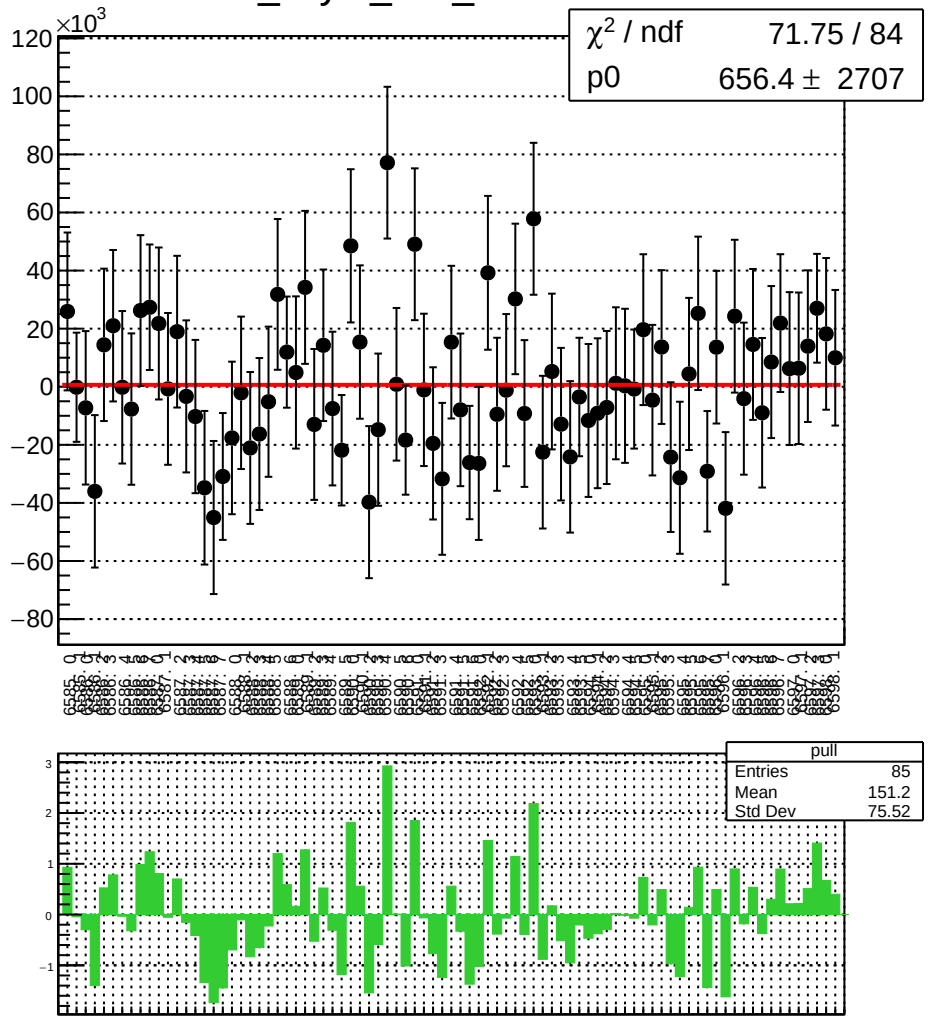

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 87.71 / 84
p0 1373 ± 1.056
1420
1410
1400
1390
1380
1370
1360
1350
1340

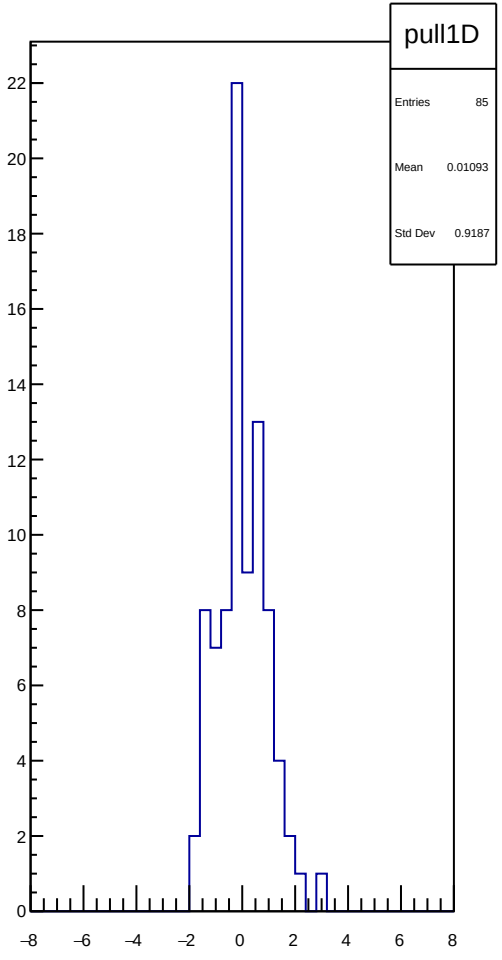

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 105.4 / 84
p0 −103.8 ± 662.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 1206
Std Dev 1109
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.001257
Std Dev 1.114
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

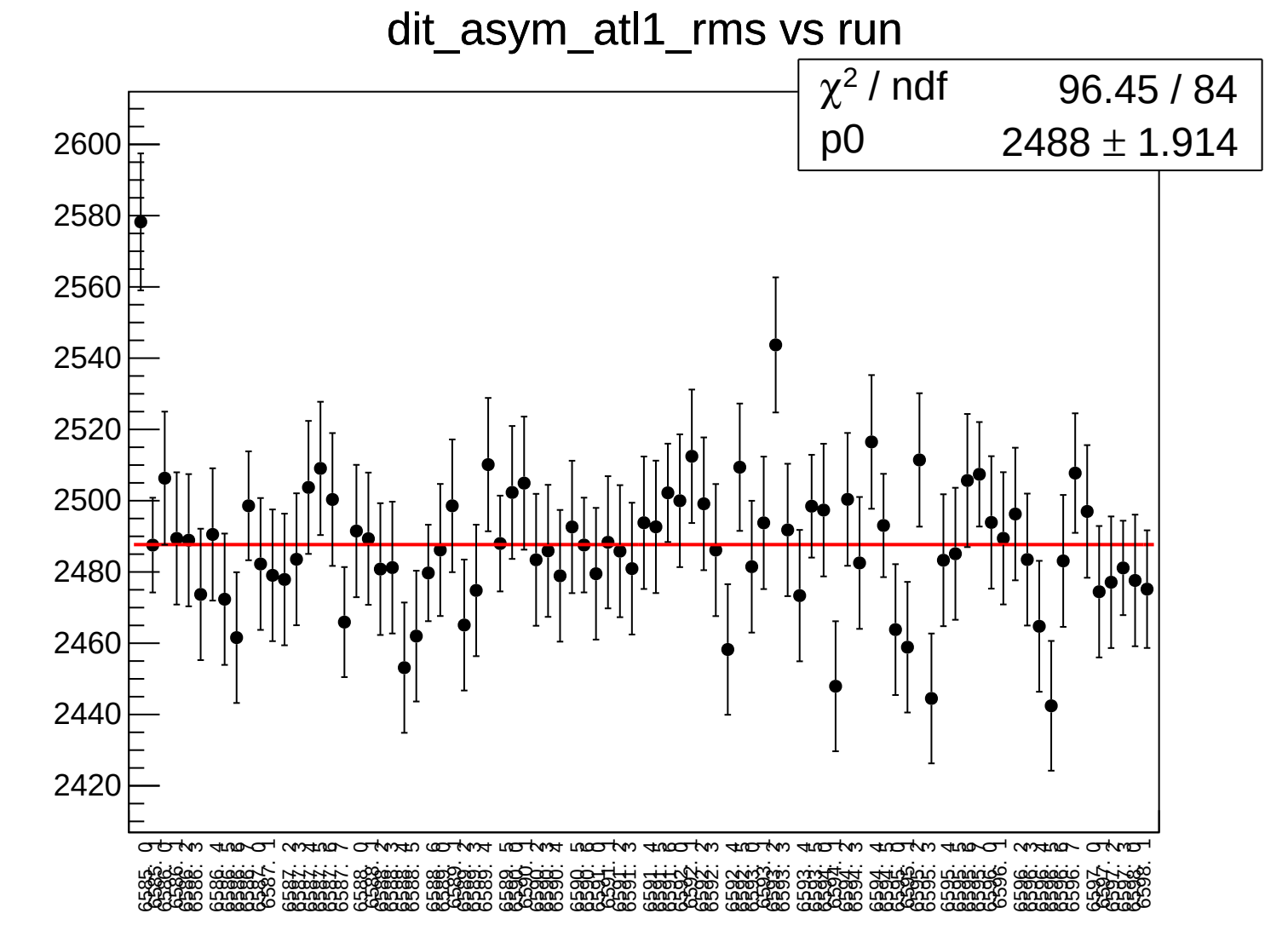

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 1.29e+04 / 84
p0 606.9 ± 0.4687
800
750
700
650
600
550
500

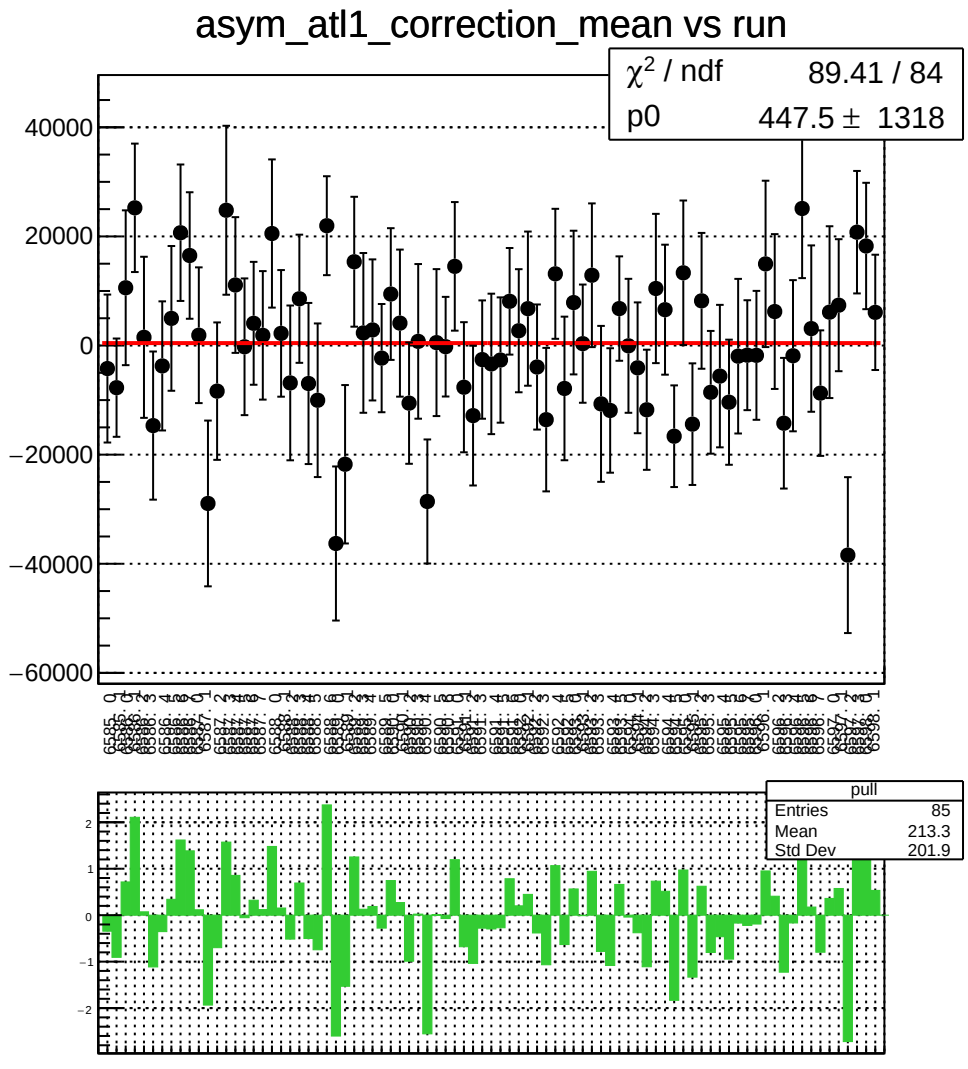

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 94.42 / 84
p0 1148 ± 1630
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 9.737
Std Dev 75.04
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.01515
Std Dev 1.054
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

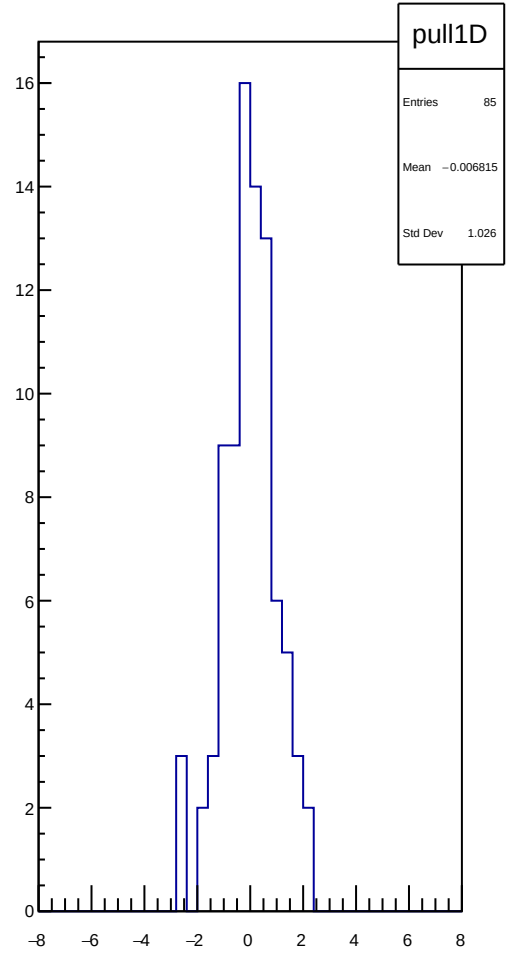

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 486.8 / 84
p0 1498 ± 1.152
1580
1560
1540
1520
1500
1480
1460
1440
1420

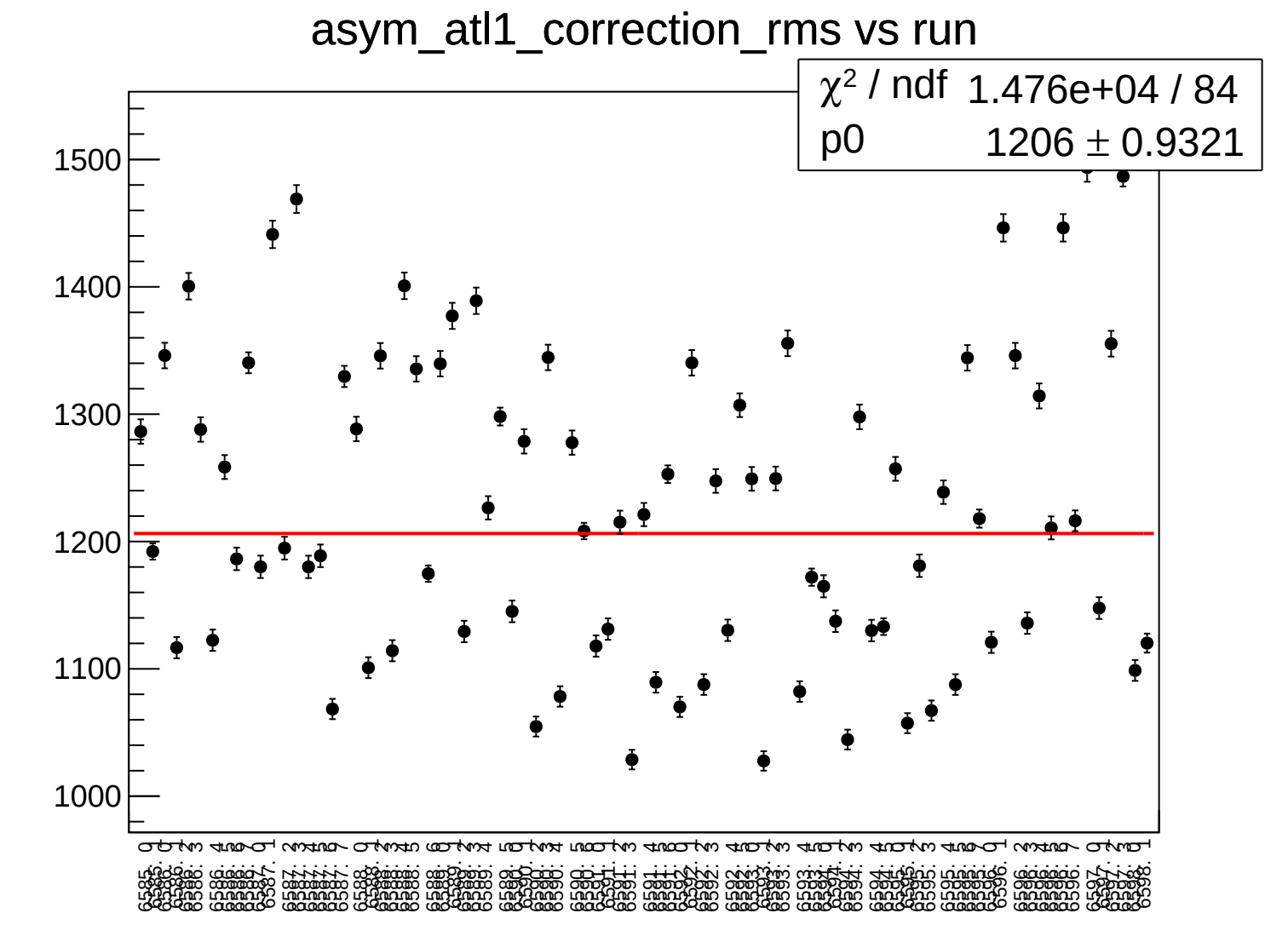

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 71.75 / 84
p0 656.4 ± 2707
pull
Entries 85
Mean 151.2
Std Dev 75.52

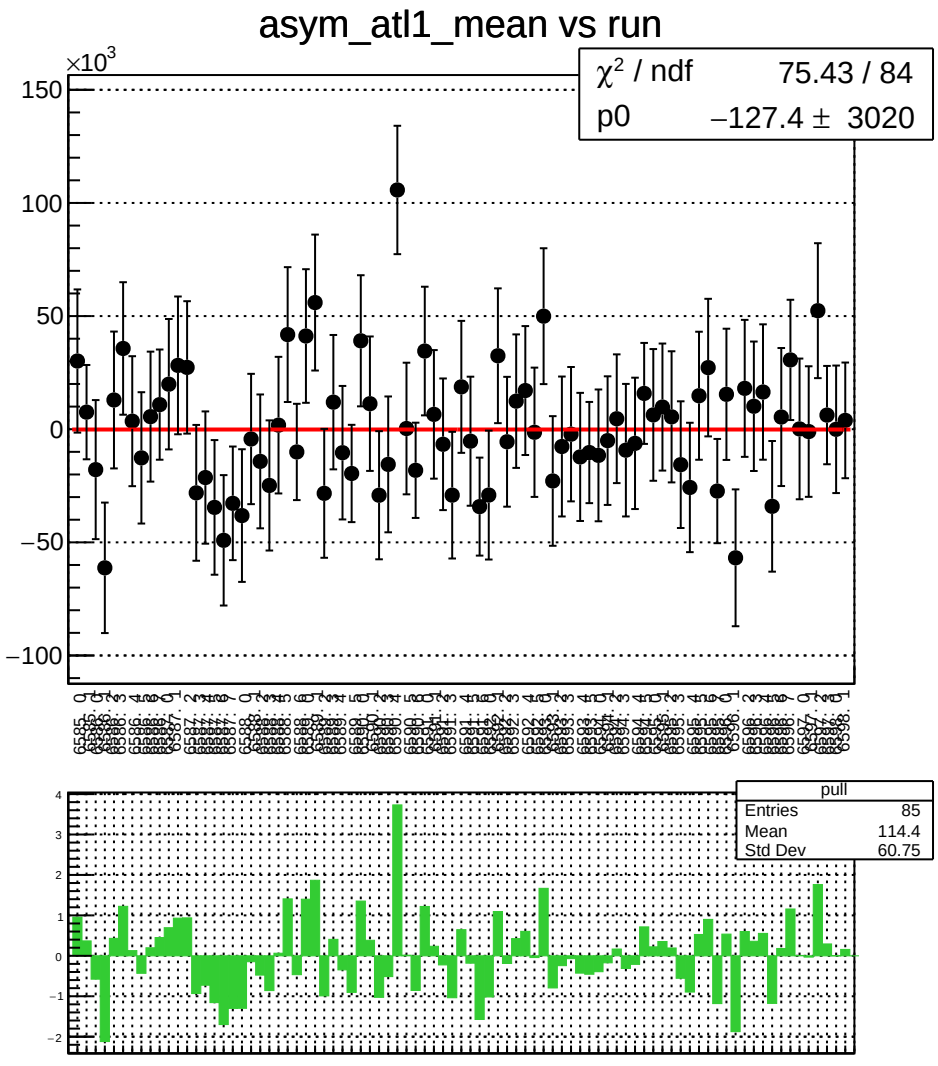

pull1D
Entries 85
Mean 0.01093
Std Dev 0.9187

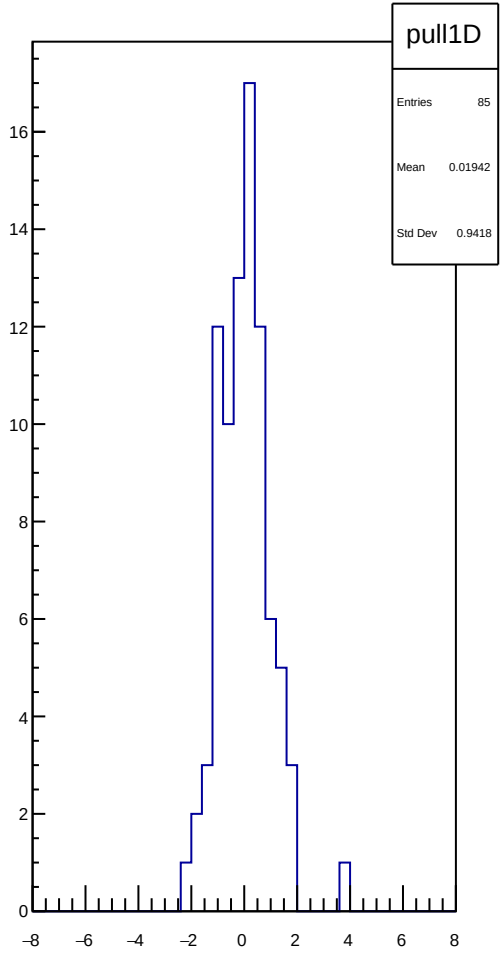

dit_asym_atl1_rms vs run
χ^2 / ndf 96.45 / 84
p0 2488 ± 1.914
2600
2580
2560
2540
2520
2500
2480
2460
2440
2420

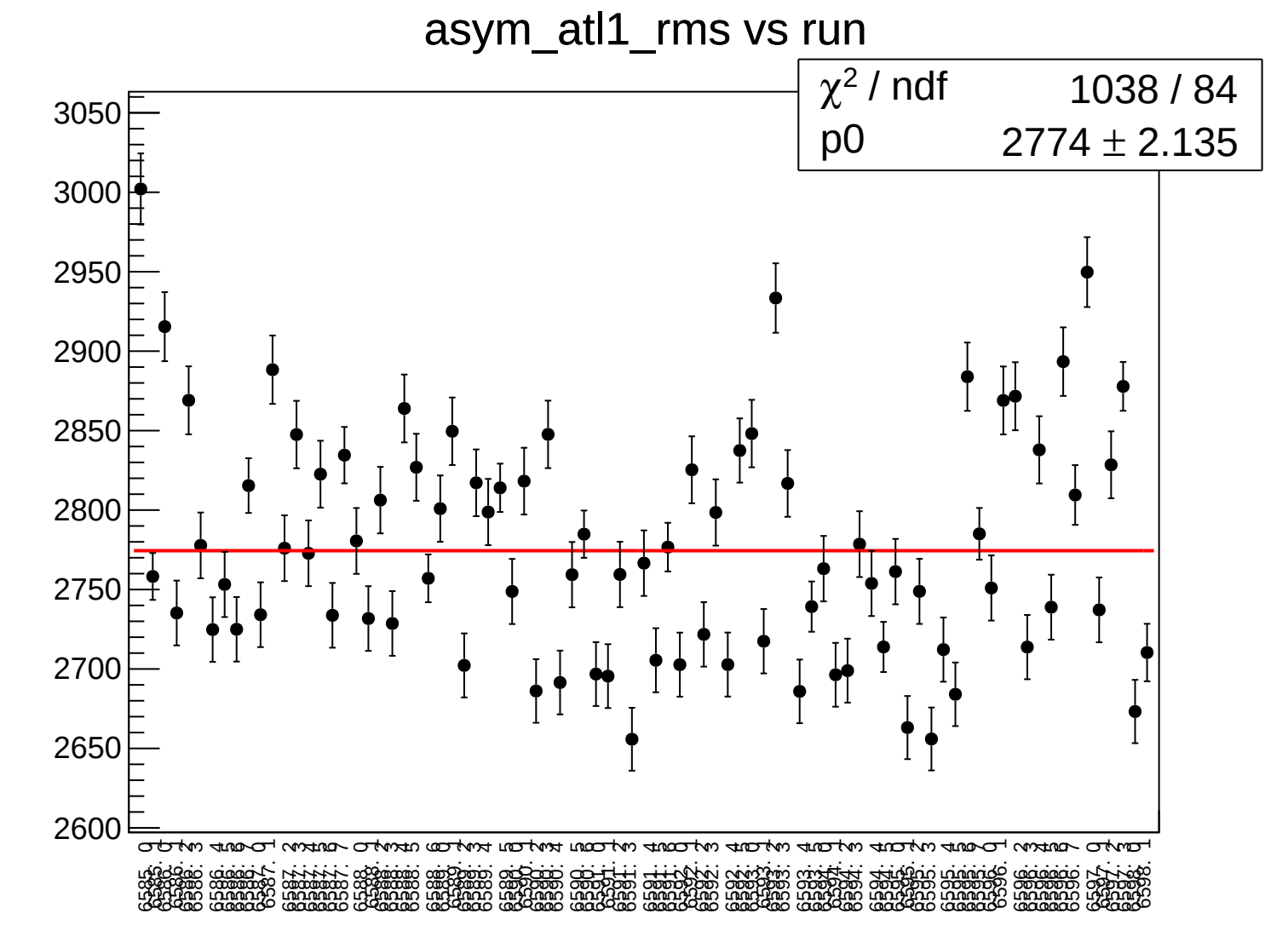

asym_atl1_correction_mean vs run
χ² / ndf 89.41 / 84
p0 447.5 ± 1318
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 213.3
Std Dev 201.9
2
1
0
−1
−2

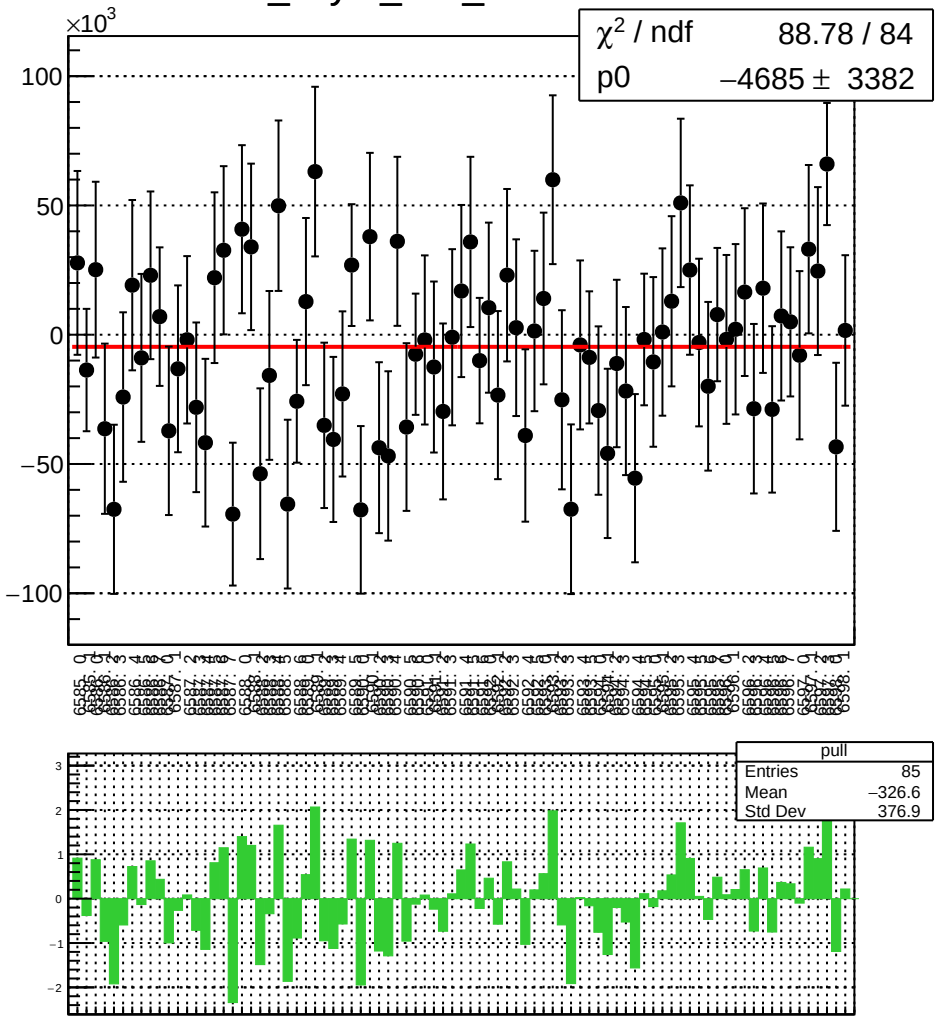

pull1D
Entries 85
Mean −0.006815
Std Dev 1.026
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

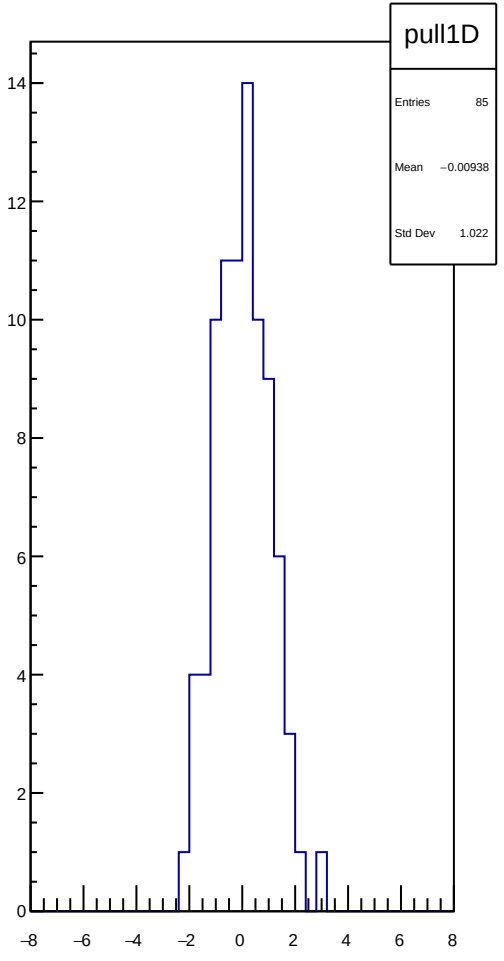

asym_atl1_correction_rms vs run
χ² / ndf 1.476e+04 / 84
p0 1206 ± 0.9321
1500
1400
1300
1200
1100
1000

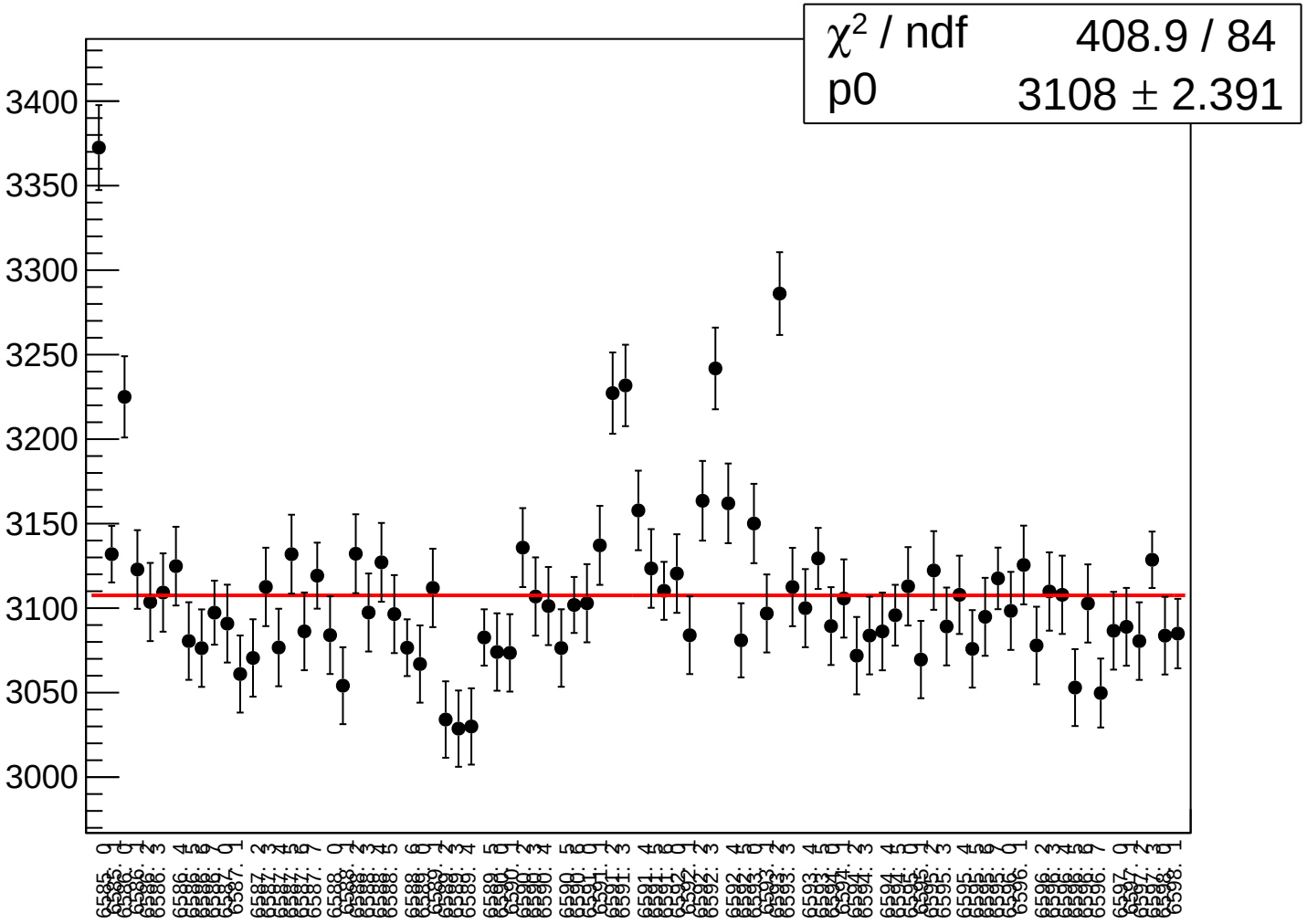

asym_atl1_mean vs run
×10^3
χ² / ndf 75.43 / 84
p0 −127.4 ± 3020
150
100
50
0
−50
−100
pull
Entries 85
Mean 114.4
Std Dev 60.75
4
3
2
1
0
−1
−2

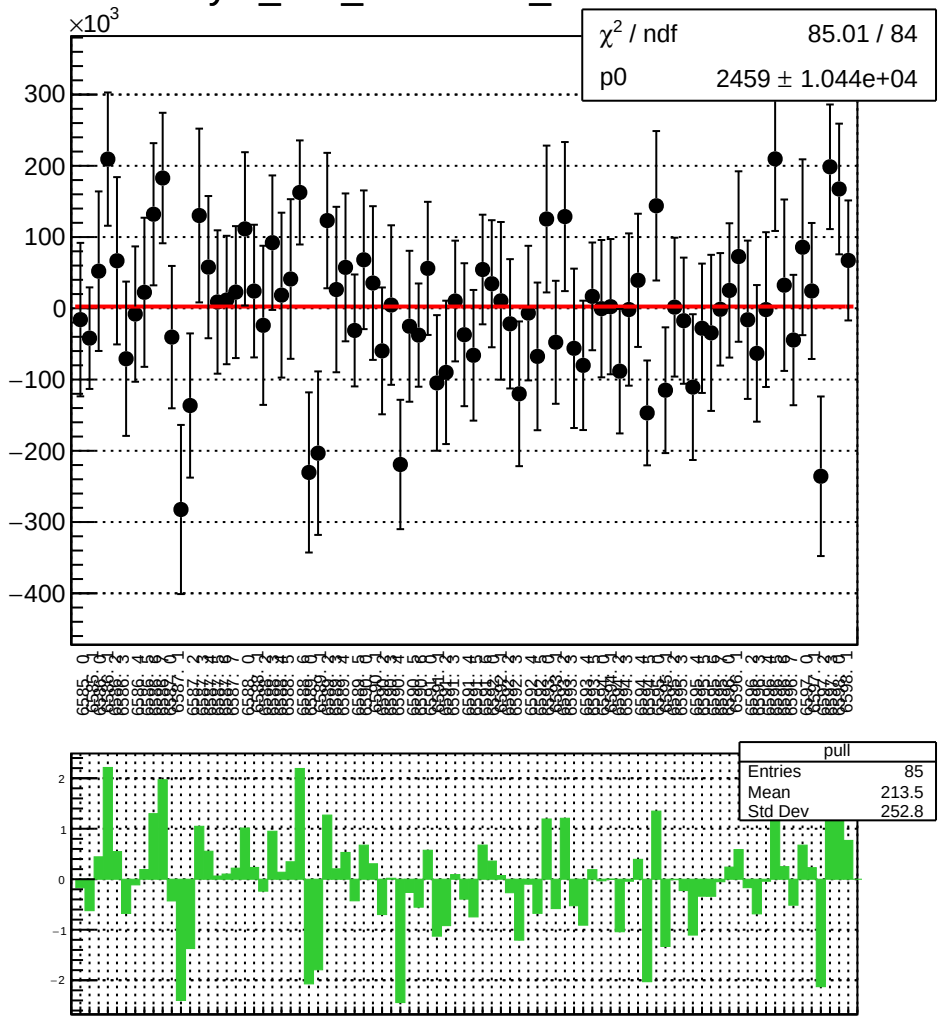

pull1D
Entries 85
Mean 0.01942
Std Dev 0.9418
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

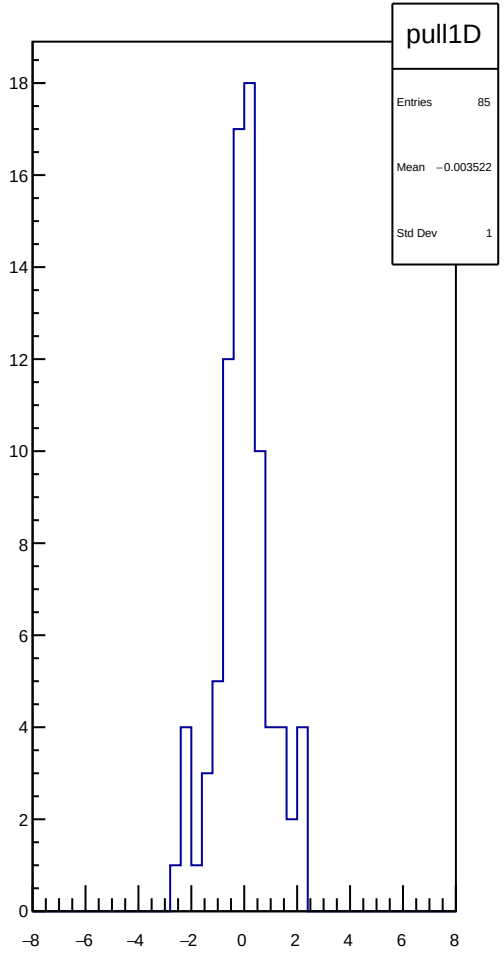

asym_atl1_rms vs run
χ² / ndf 1038 / 84
p0 2774 ± 2.135
3050
3000
2950
2900
2850
2800
2750
2700
2650
2600

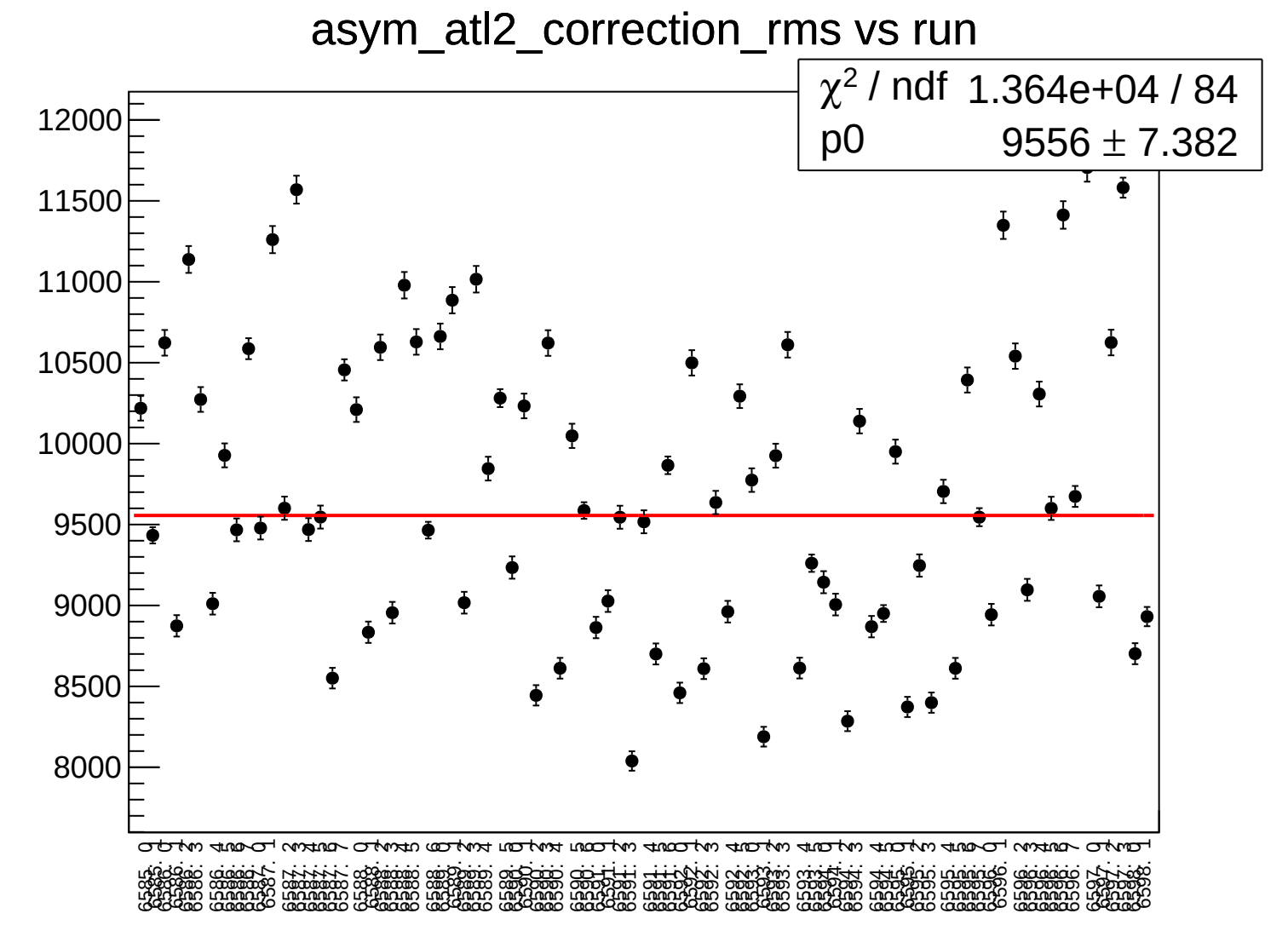

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 88.78 / 84
p0 −4685 ± 3382
100
50
0
−50
−100
pull
Entries 85
Mean −326.6
Std Dev 376.9
3
2
1
0
−1
−2

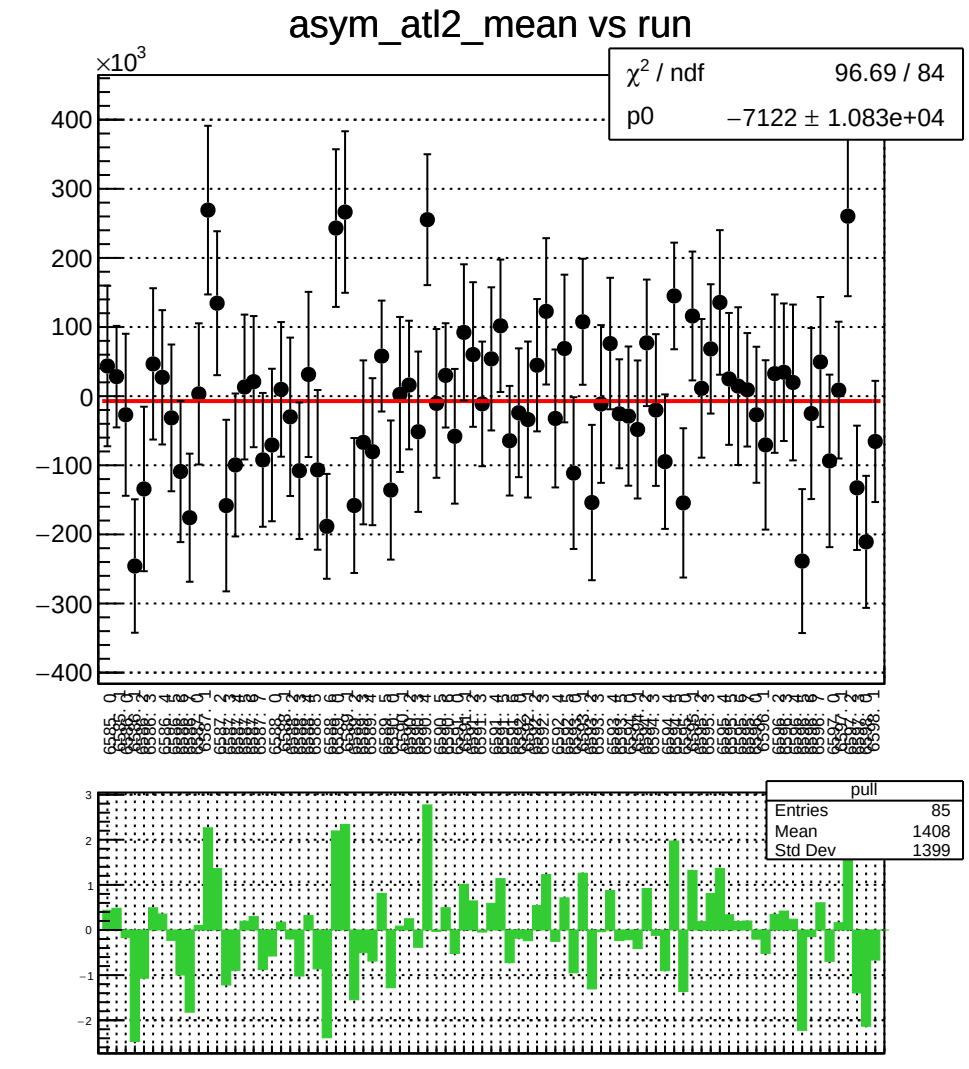

pull1D
Entries 85
Mean −0.00938
Std Dev 1.022
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

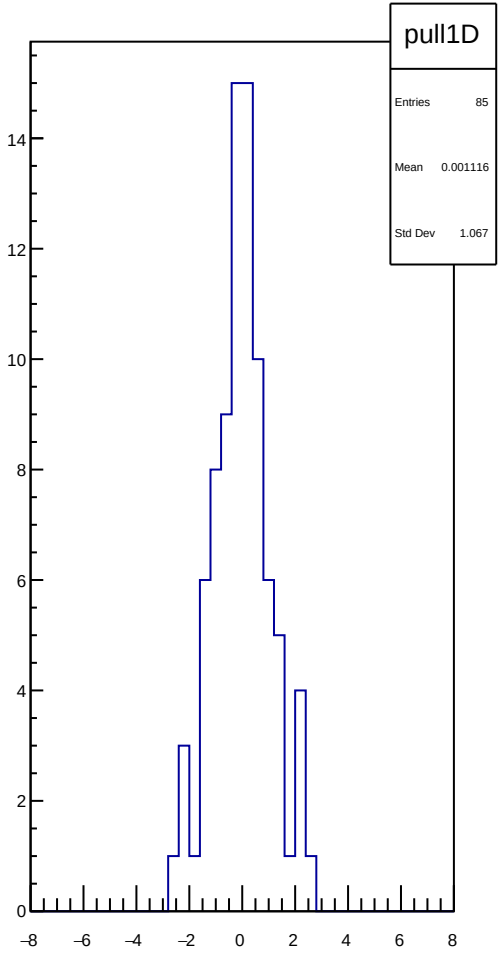

dit_asym_atl2_rms vs run
χ² / ndf 408.9 / 84
p0 3108 ± 2.391
3400
3350
3300
3250
3200
3150
3100
3050
3000

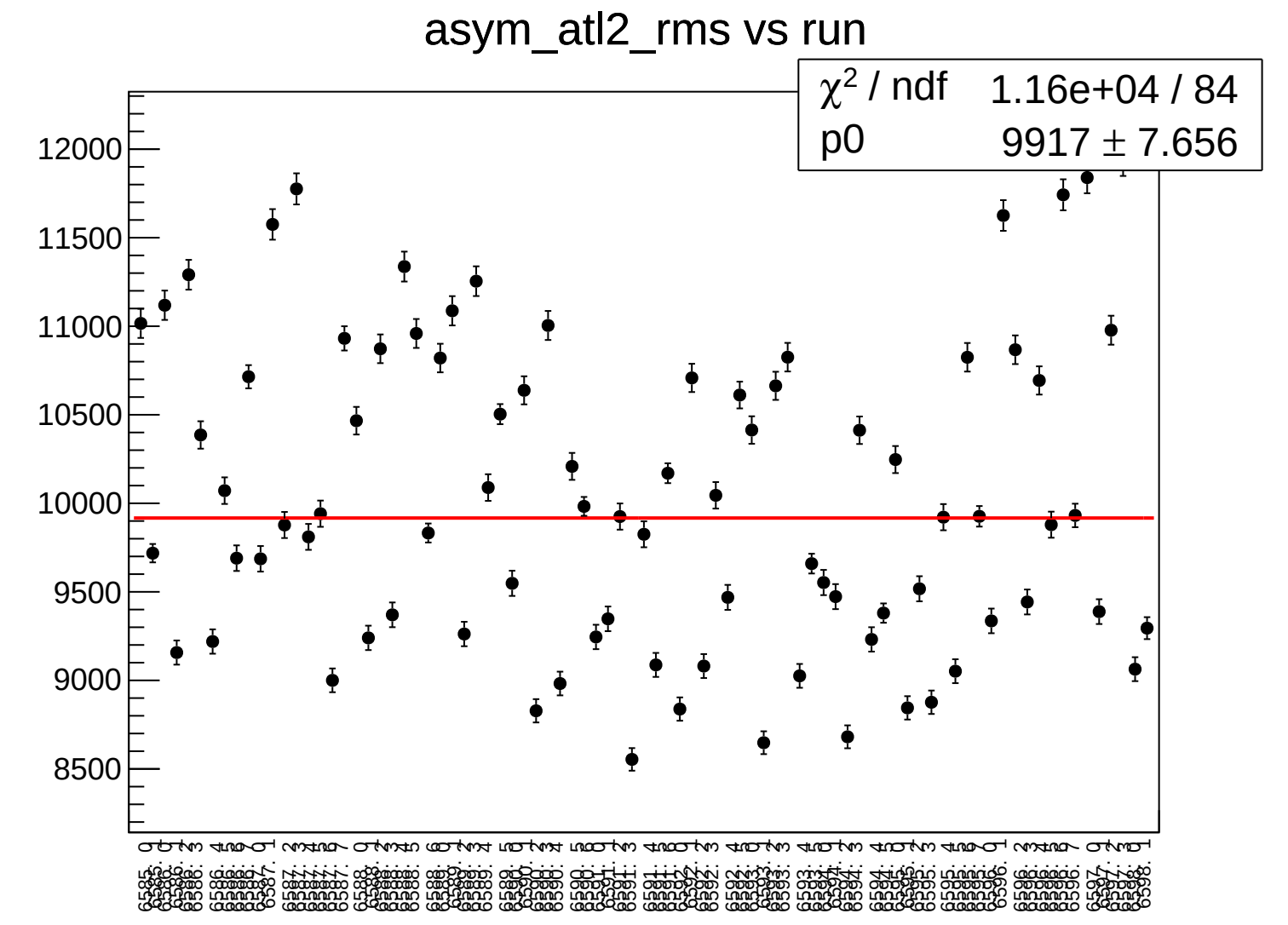

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 85.01 / 84
p0 2459 ± 1.044e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 85
Mean 213.5
Std Dev 252.8
2
1
0
−1
−2

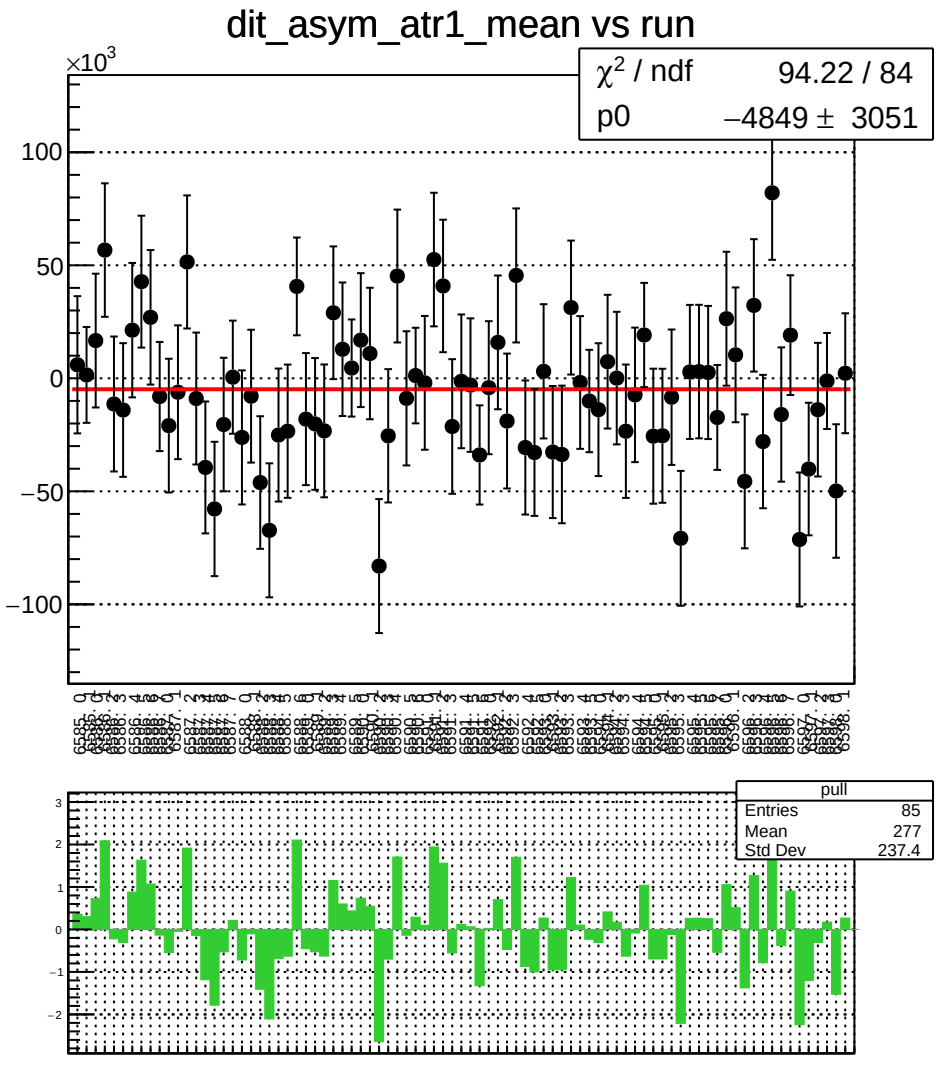

pull1D
Entries 85
Mean −0.003522
Std Dev 1
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

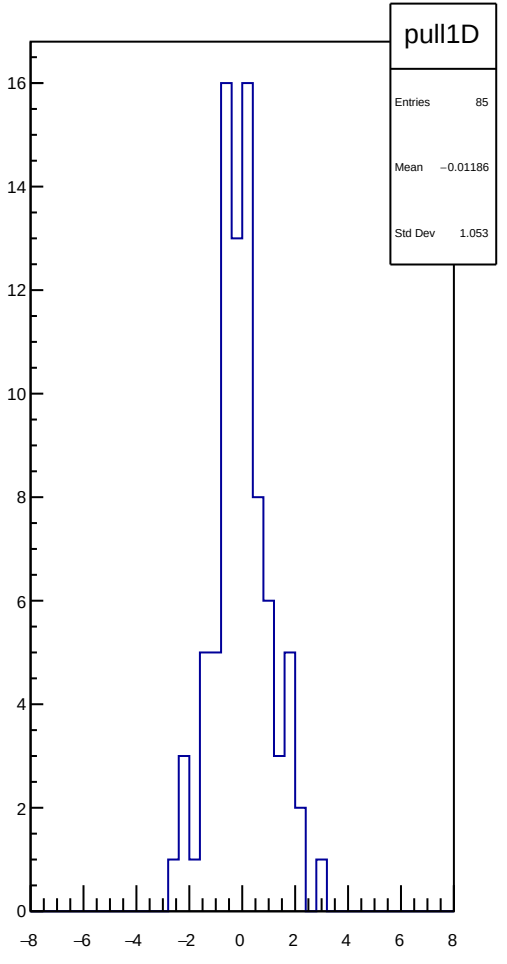

asym_atl2_correction_rms vs run
χ² / ndf 1.364e+04 / 84
p0 9556 ± 7.382
12000
11500
11000
10500
10000
9500
9000
8500
8000

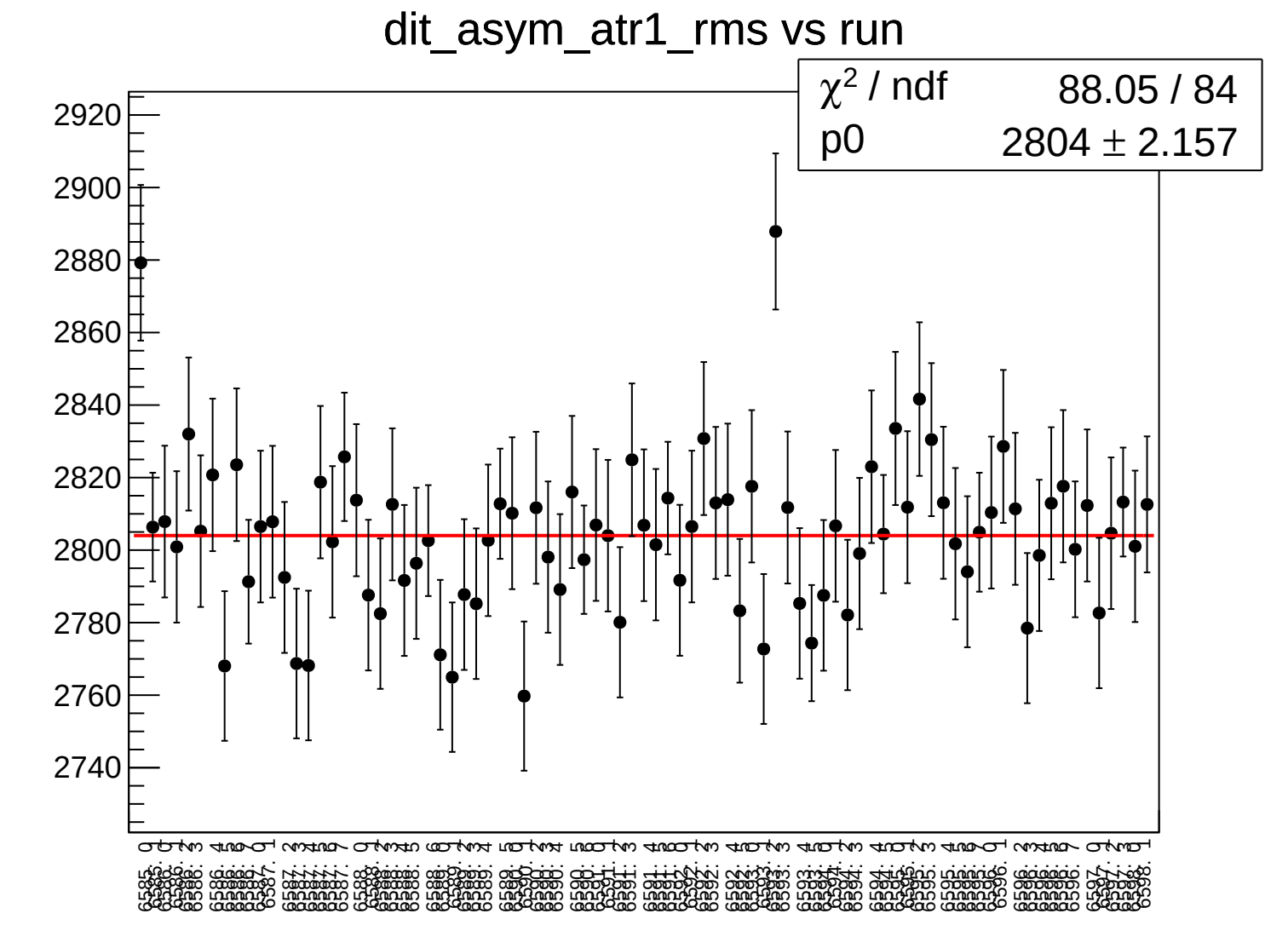

asym_atl2_mean vs run
×10^3
χ² / ndf 96.69 / 84
p0 −7122 ± 1.083e+04
pull
Entries 85
Mean 1408
Std Dev 1399

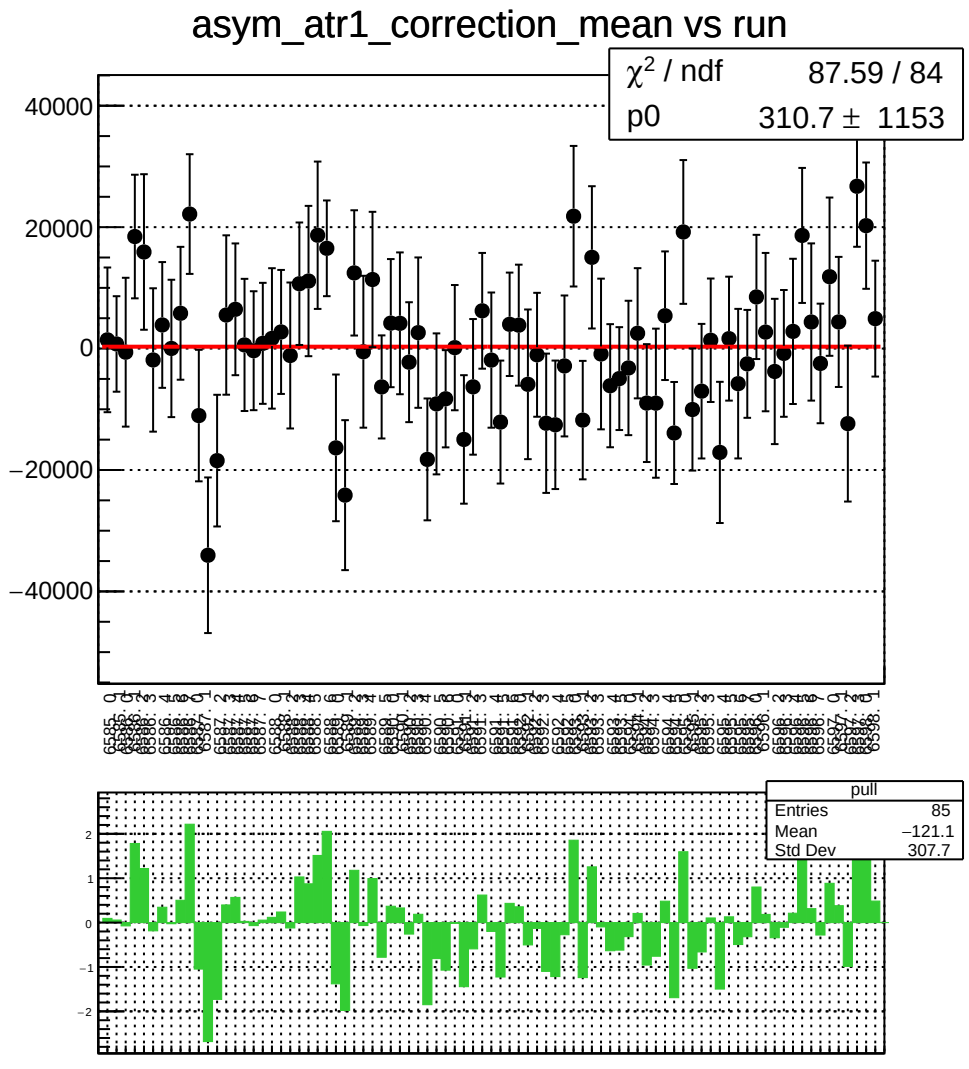

pull1D
Entries 85
Mean 0.001116
Std Dev 1.067

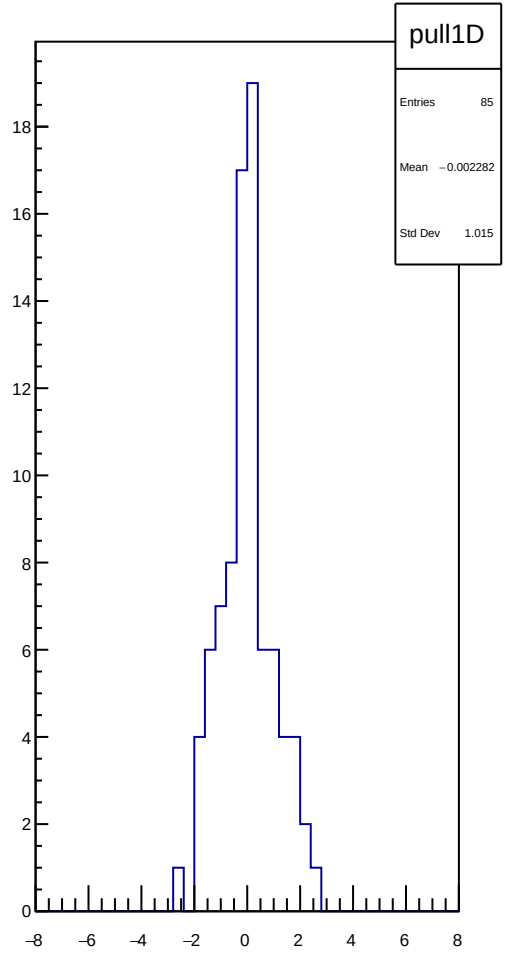

asym_atl2_rms vs run
χ² / ndf 1.16e+04 / 84
p0 9917 ± 7.656
12000
11500
11000
10500
10000
9500
9000
8500

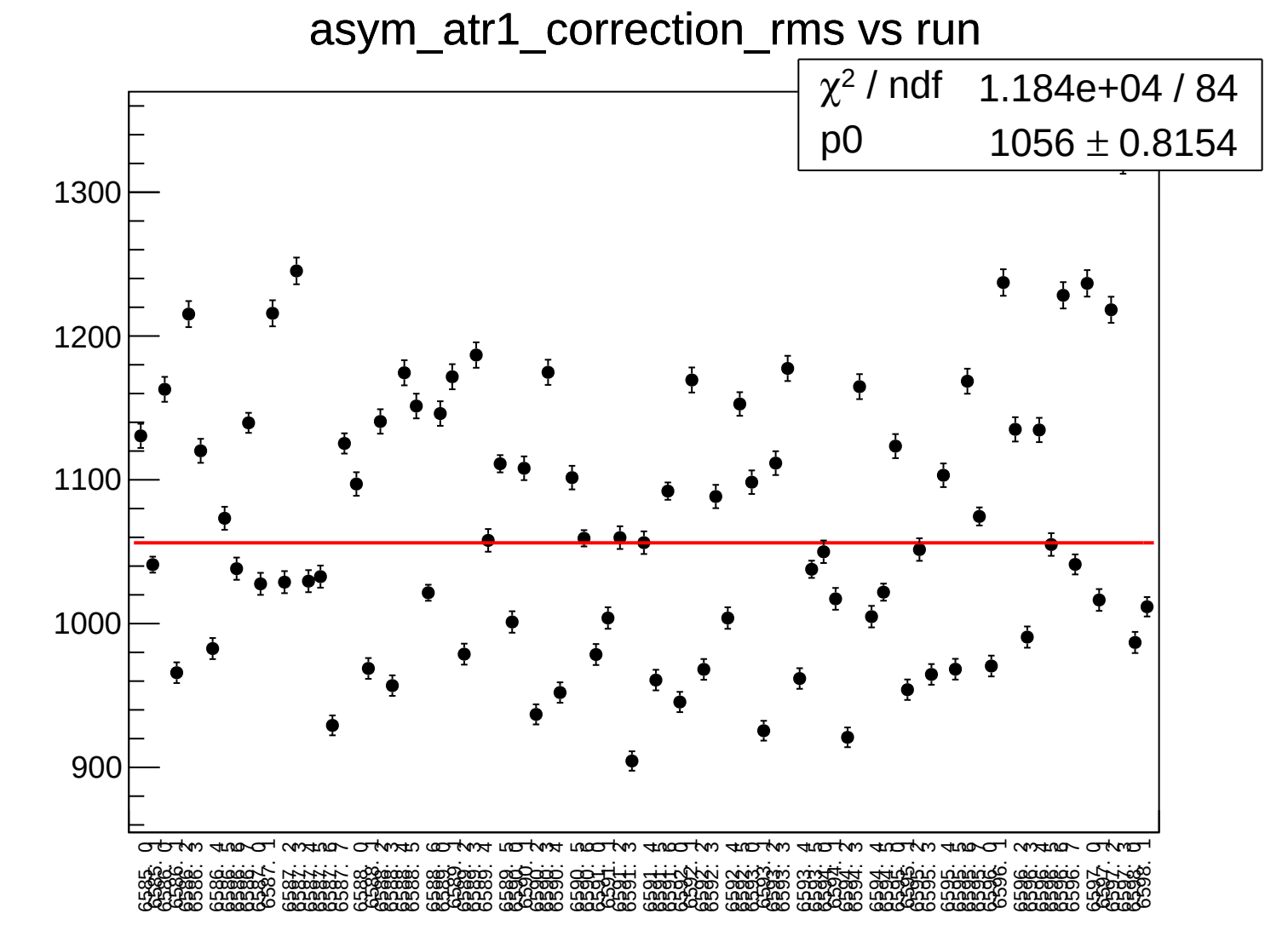

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 94.22 / 84
p0 −4849 ± 3051
100
50
0
−50
−100
pull
Entries 85
Mean 277
Std Dev 237.4
3
2
1
0
−1
−2

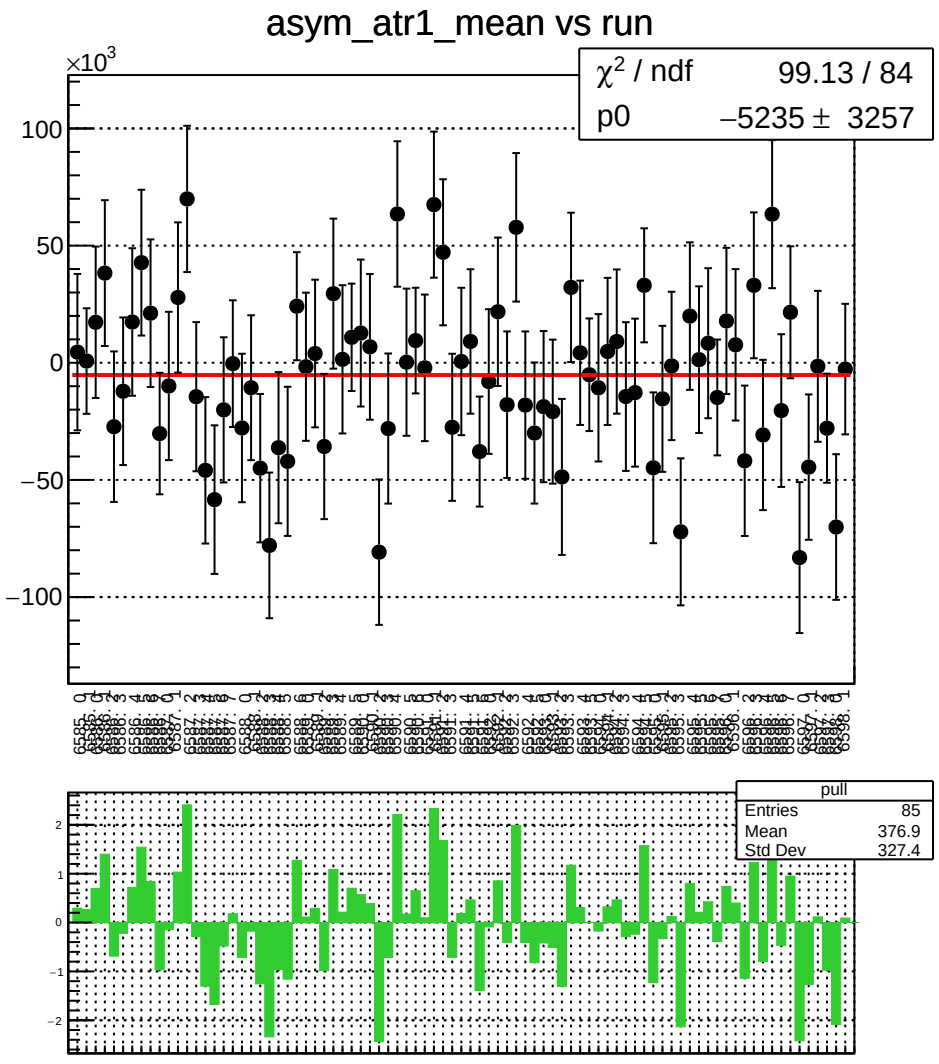

pull1D
Entries 85
Mean −0.01186
Std Dev 1.053
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

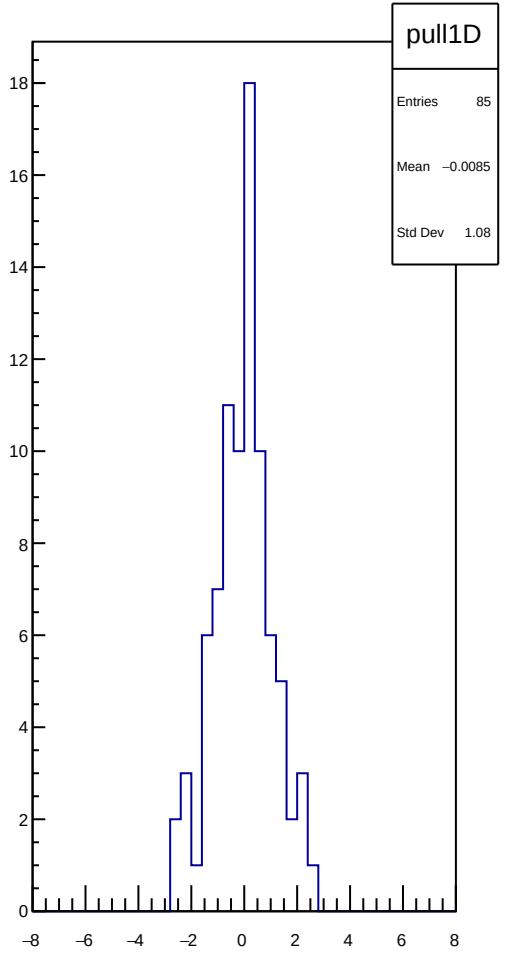

dit_asym_atr1_rms vs run
χ^2 / ndf 88.05 / 84
p0 2804 ± 2.157
2920
2900
2880
2860
2840
2820
2800
2780
2760
2740

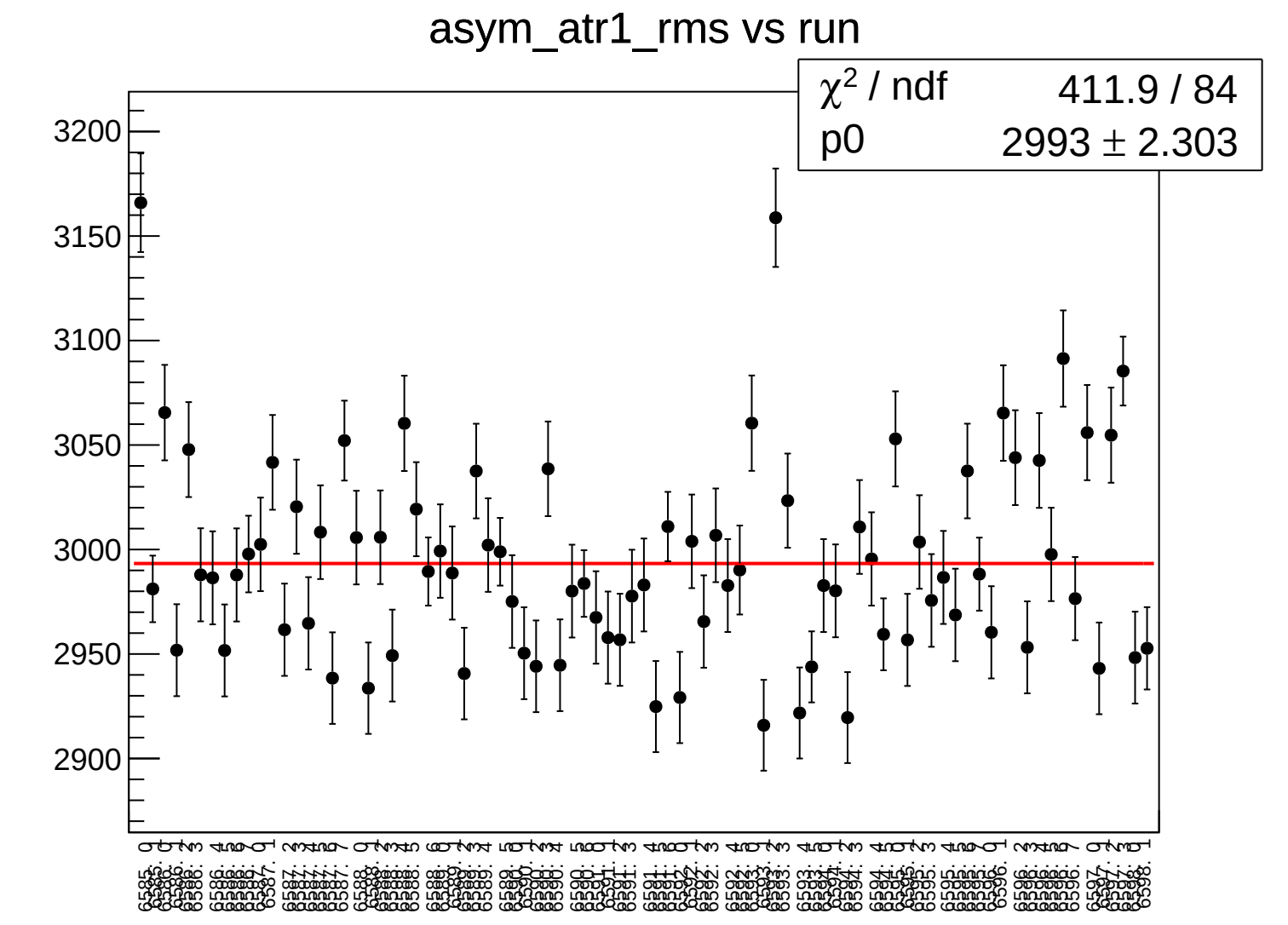

asym_atr1_correction_mean vs run
χ² / ndf 87.59 / 84
p0 310.7 ± 1153
40000
20000
0
−20000
−40000
pull
Entries 85
Mean −121.1
Std Dev 307.7
2
1
0
−1
−2

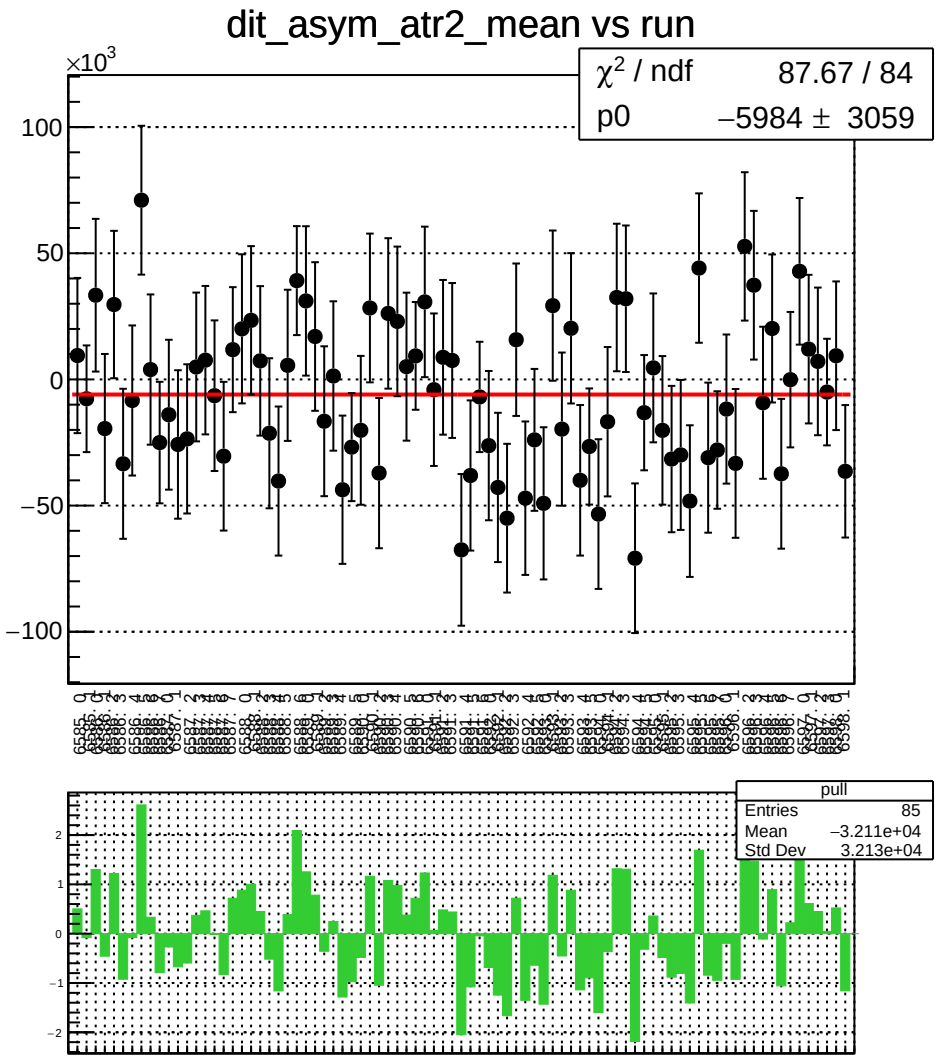

pull1D
Entries 85
Mean −0.002282
Std Dev 1.015
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

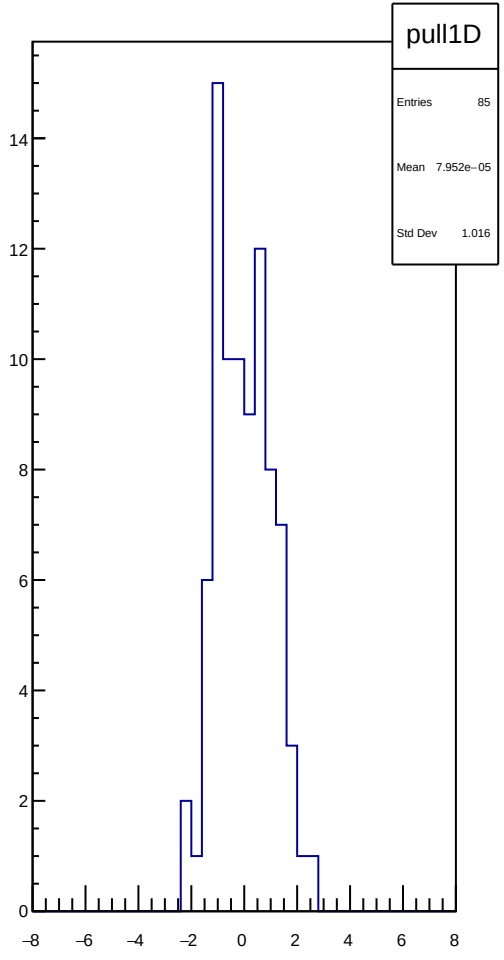

asym_atr1_correction_rms vs run
χ² / ndf 1.184e+04 / 84
p0 1056 ± 0.8154
1300
1200
1100
1000
900

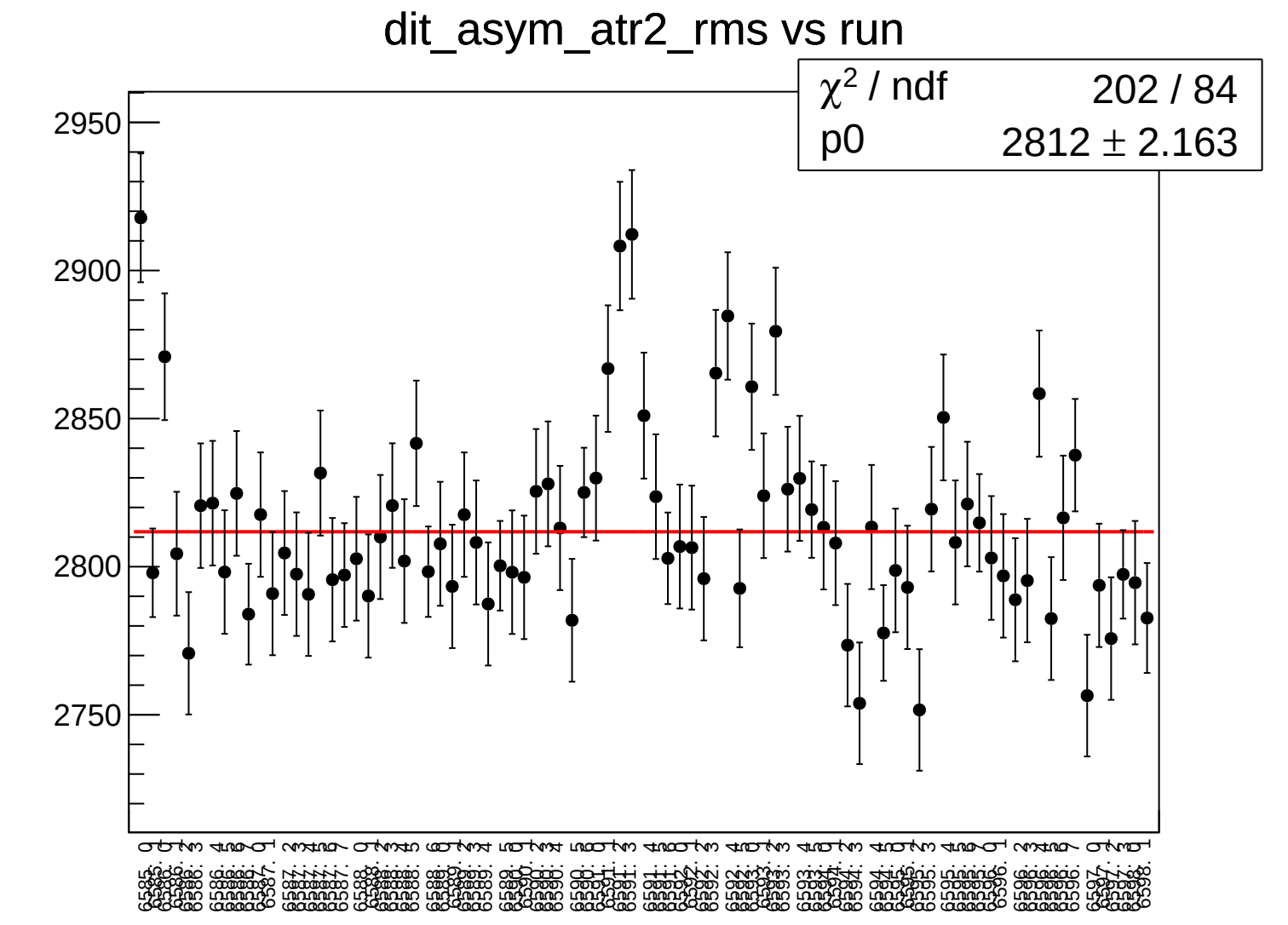

asym_atr1_mean vs run
×10^3
χ² / ndf 99.13 / 84
p0 −5235 ± 3257
100
50
0
−50
−100
pull
Entries 85
Mean 376.9
Std Dev 327.4
2
1
0
−1
−2

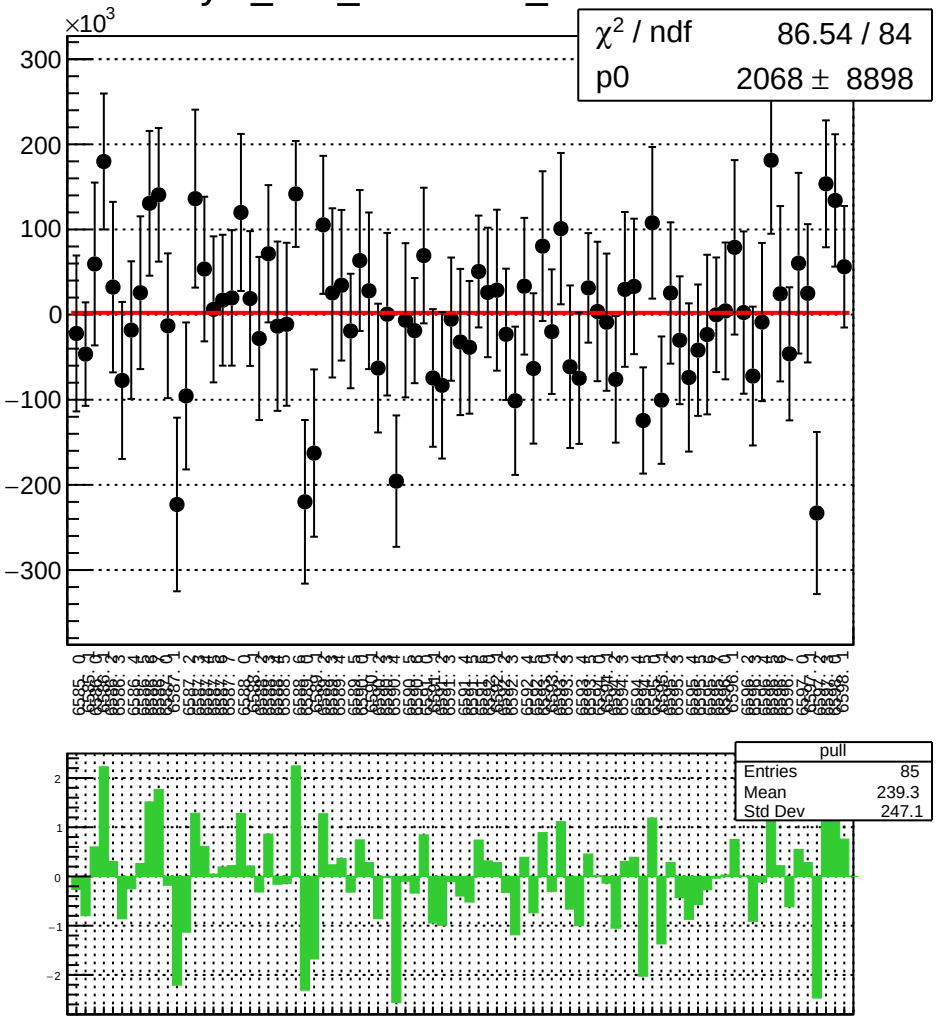

pull1D
Entries 85
Mean −0.0085
Std Dev 1.08
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

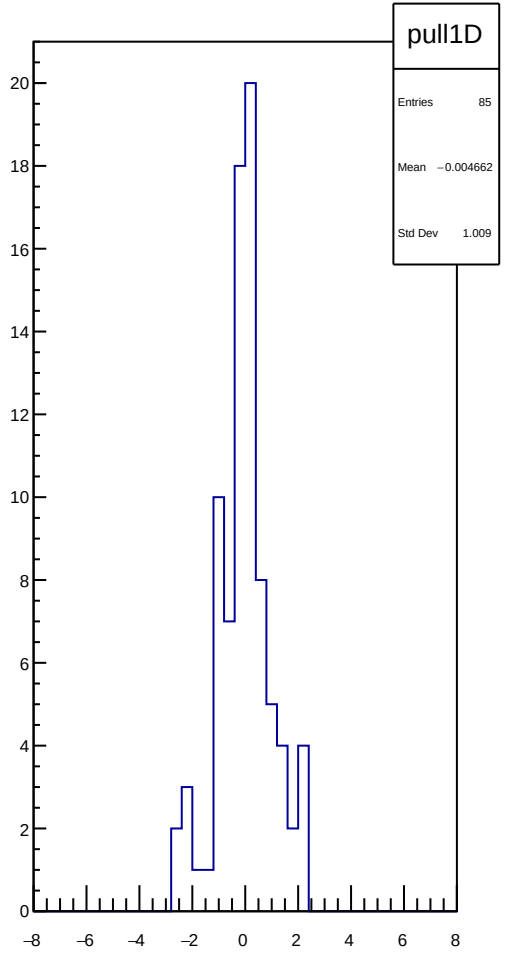

asym_atr1_rms vs run
χ^2 / ndf 411.9 / 84
p0 2993 ± 2.303
3200
3150
3100
3050
3000
2950
2900

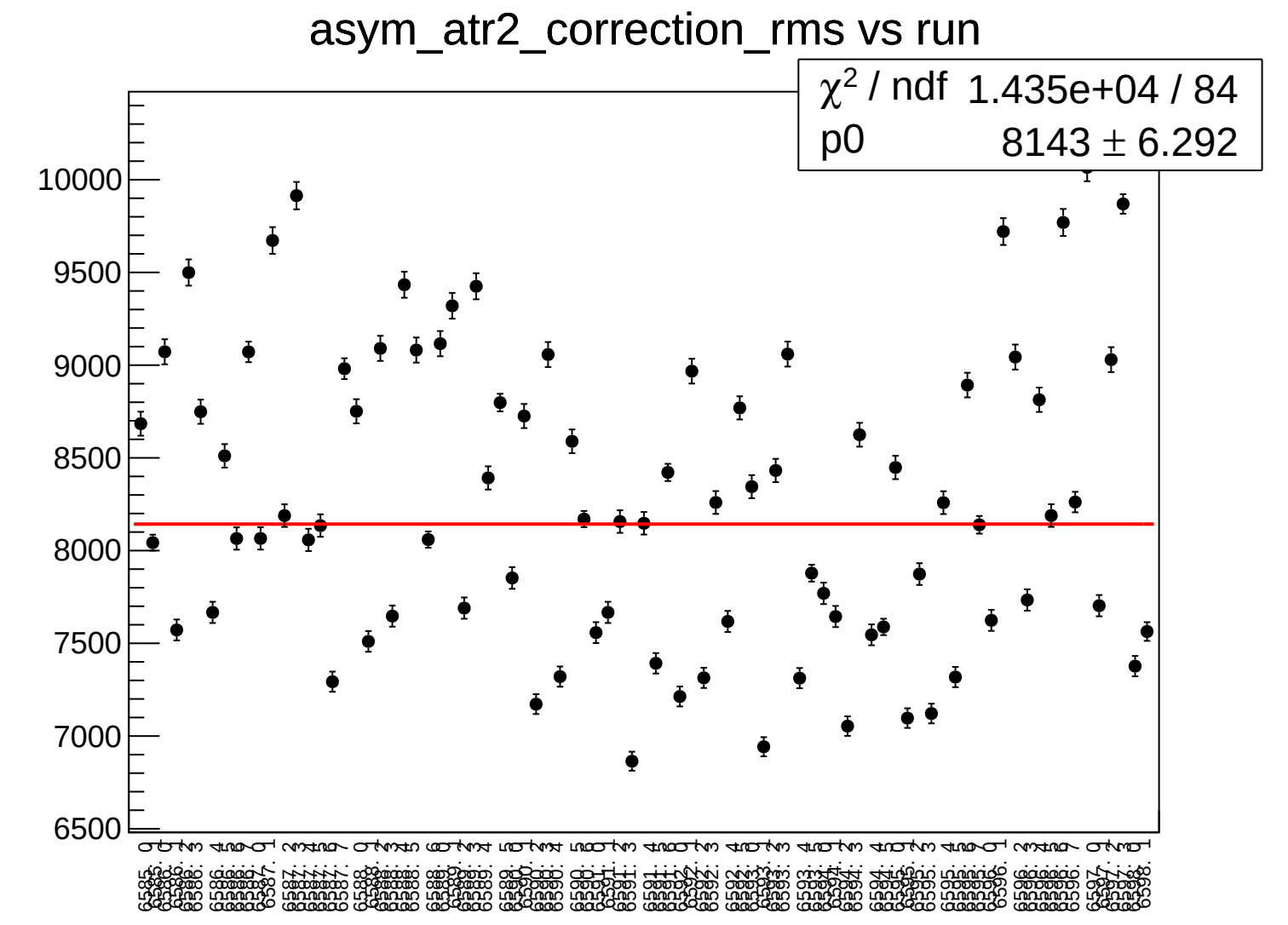

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 87.67 / 84
p0 −5984 ± 3059
100
50
0
−50
−100
pull
Entries 85
Mean −3.211e+04
Std Dev 3.213e+04
2
1
0
−1
−2

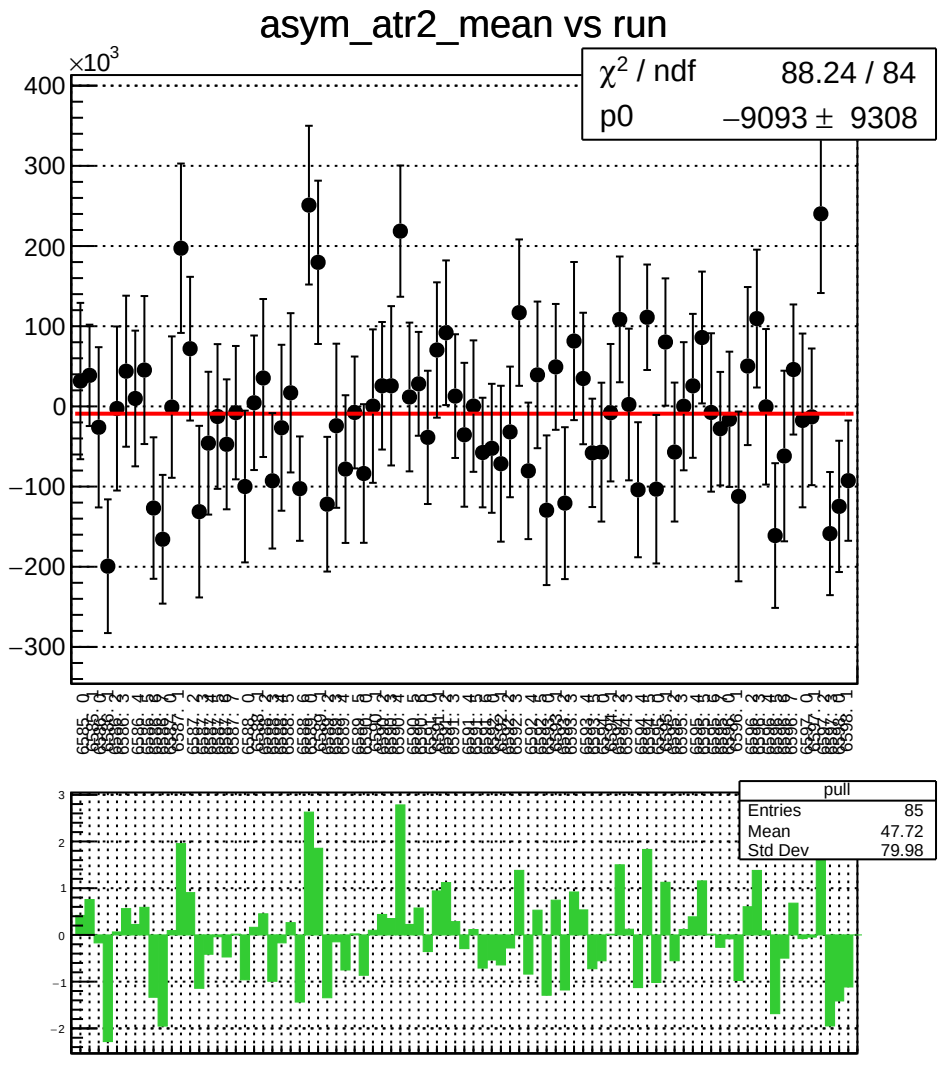

pull1D
Entries 85
Mean 7.952e−05
Std Dev 1.016
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

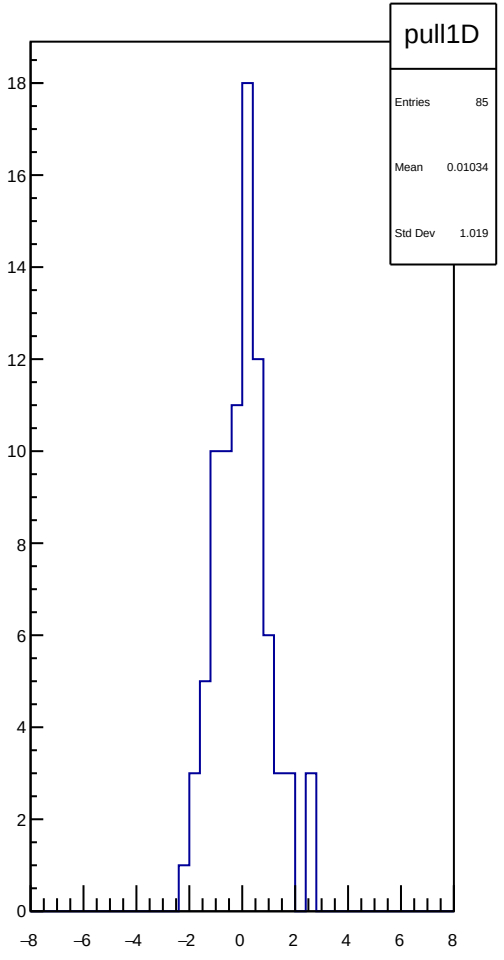

dit_asym_atr2_rms vs run
χ² / ndf 202 / 84
p0 2812 ± 2.163
2950
2900
2850
2800
2750

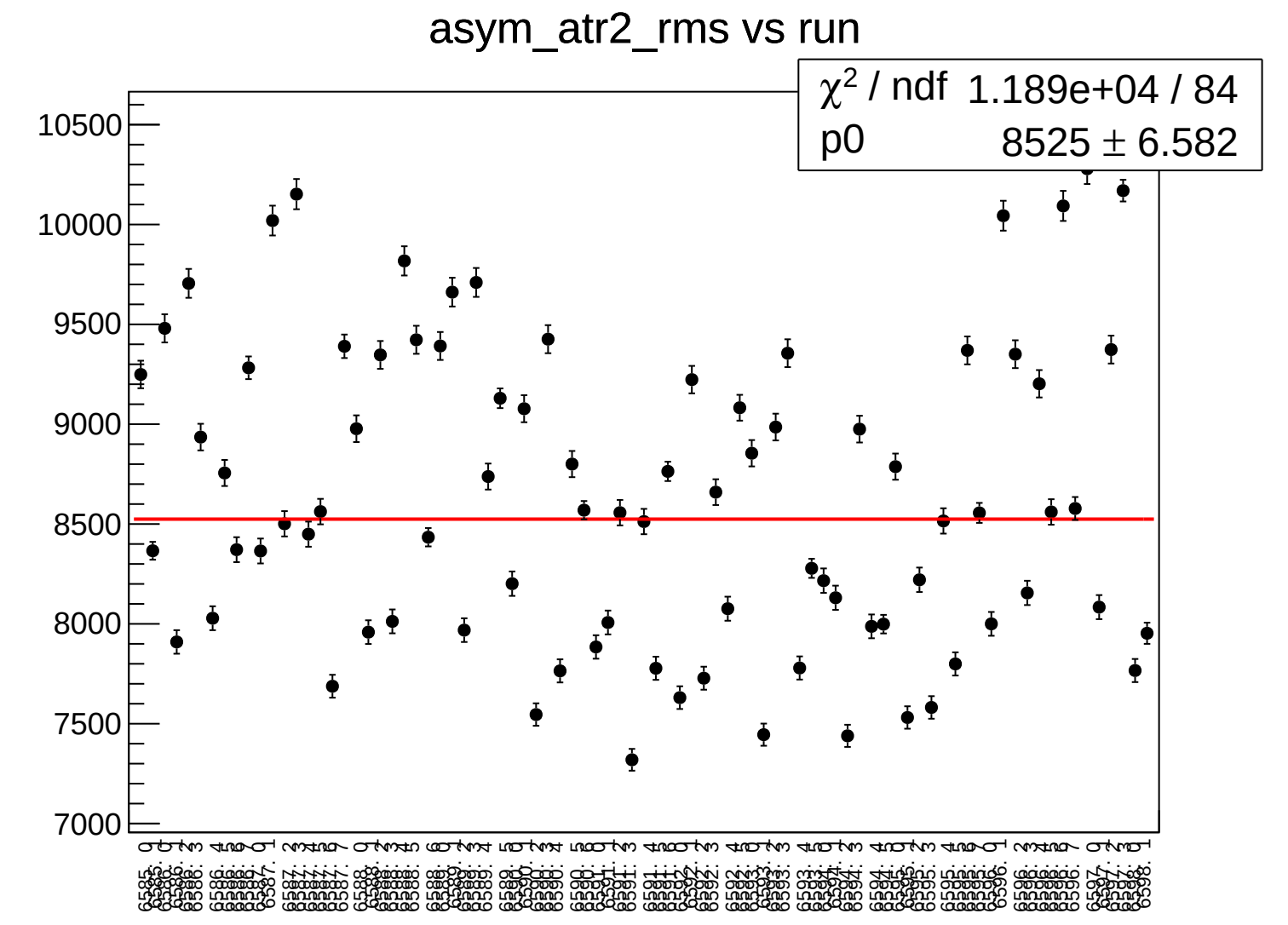

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 86.54 / 84
p0 2068 ± 8898
pull
Entries 85
Mean 239.3
Std Dev 247.1

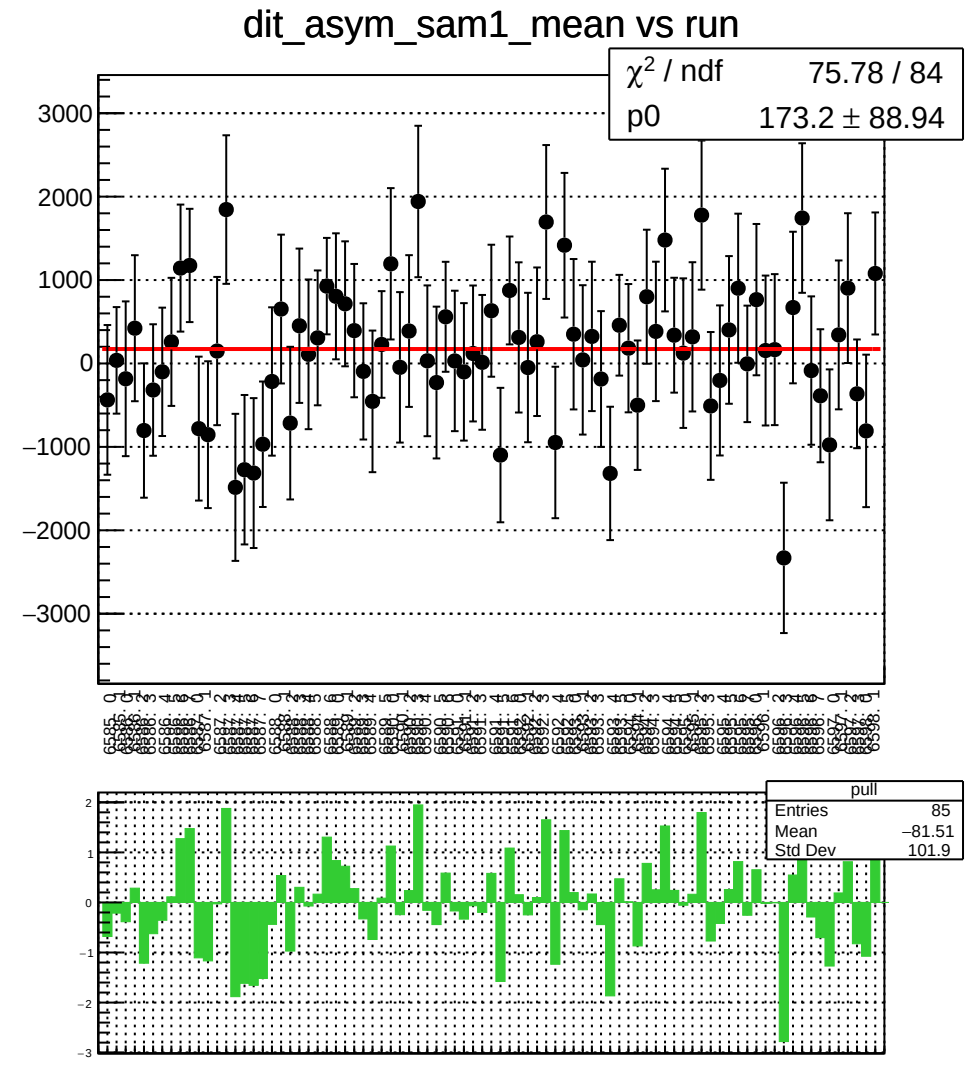

pull1D
Entries 85
Mean −0.004662
Std Dev 1.009

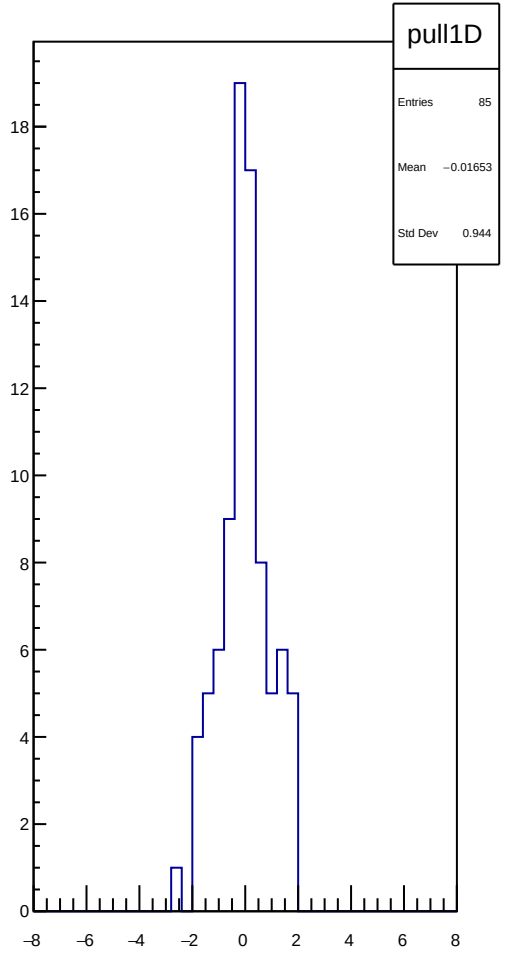

asym_atr2_correction_rms vs run
χ² / ndf 1.435e+04 / 84
p0 8143 ± 6.292
10000
9500
9000
8500
8000
7500
7000
6500

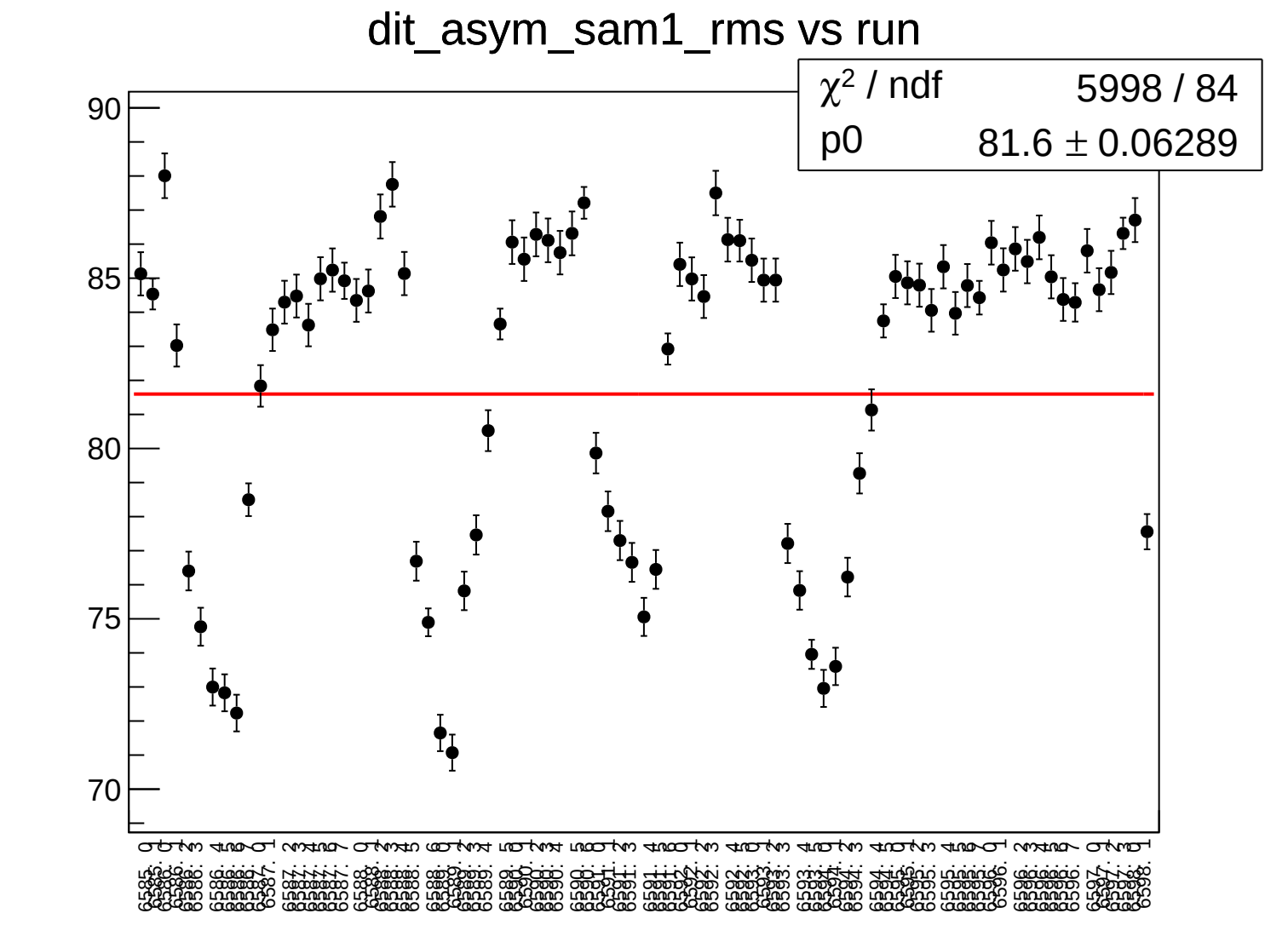

asym_atr2_mean vs run
χ^2 / ndf 88.24 / 84
p0 −9093 ± 9308
×10^3
pull
Entries 85
Mean 47.72
Std Dev 79.98

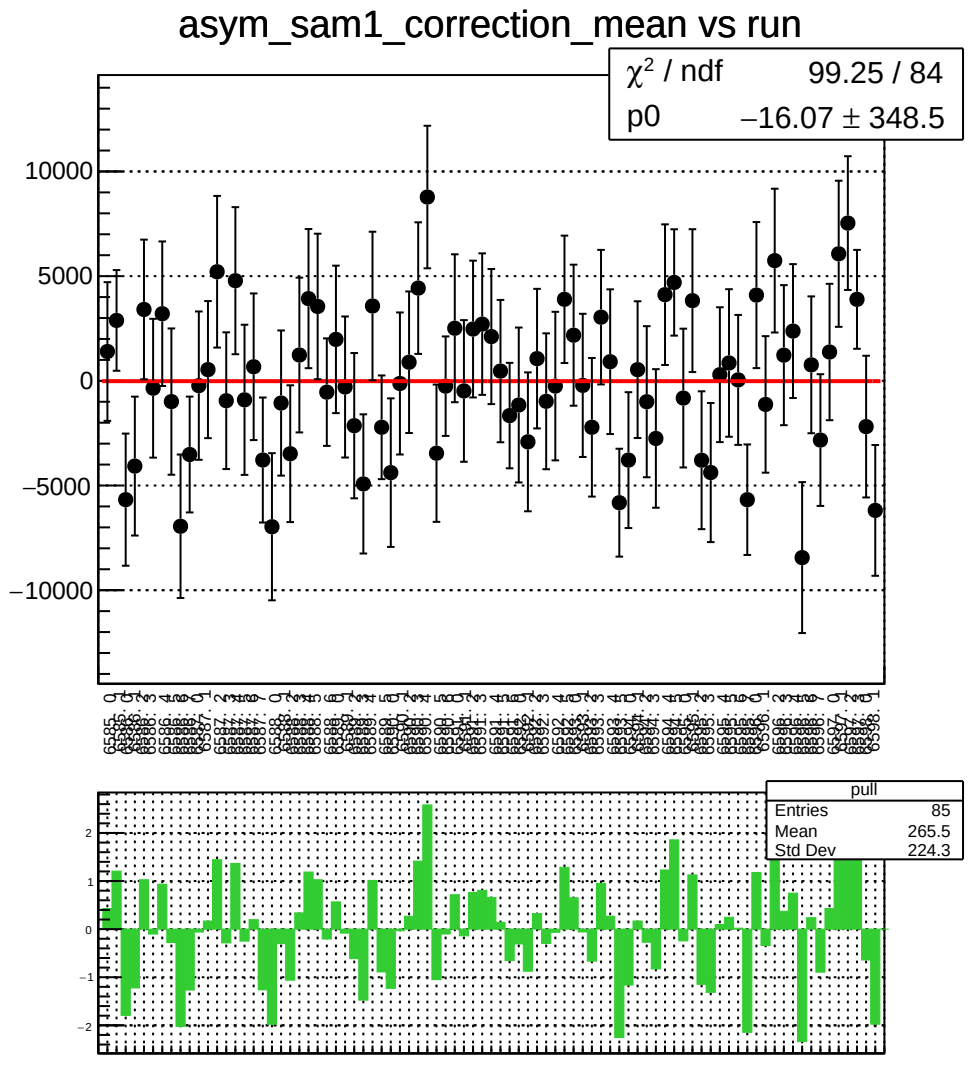

pull1D
Entries 85
Mean 0.01034
Std Dev 1.019

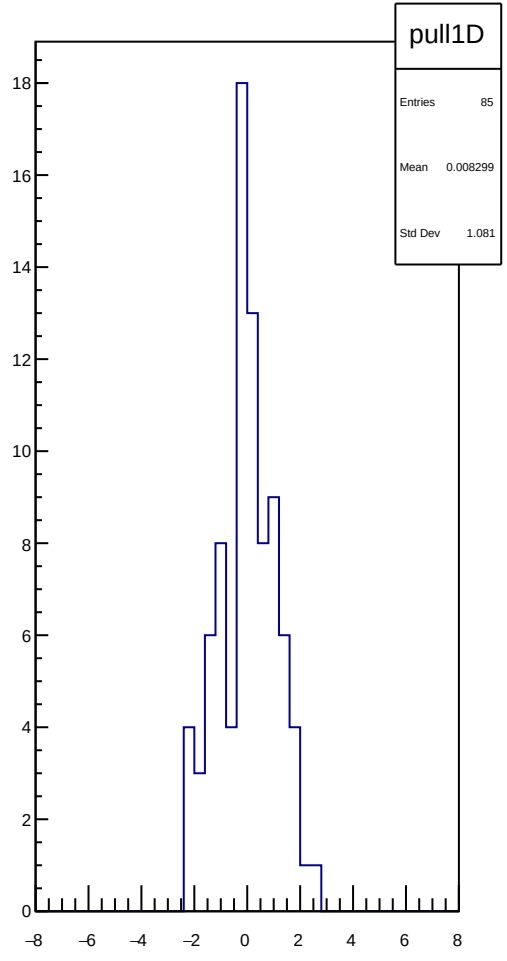

asym_atr2_rms vs run
χ^2 / ndf 1.189e+04 / 84
p0 8525 ± 6.582
10500
10000
9500
9000
8500
8000
7500
7000

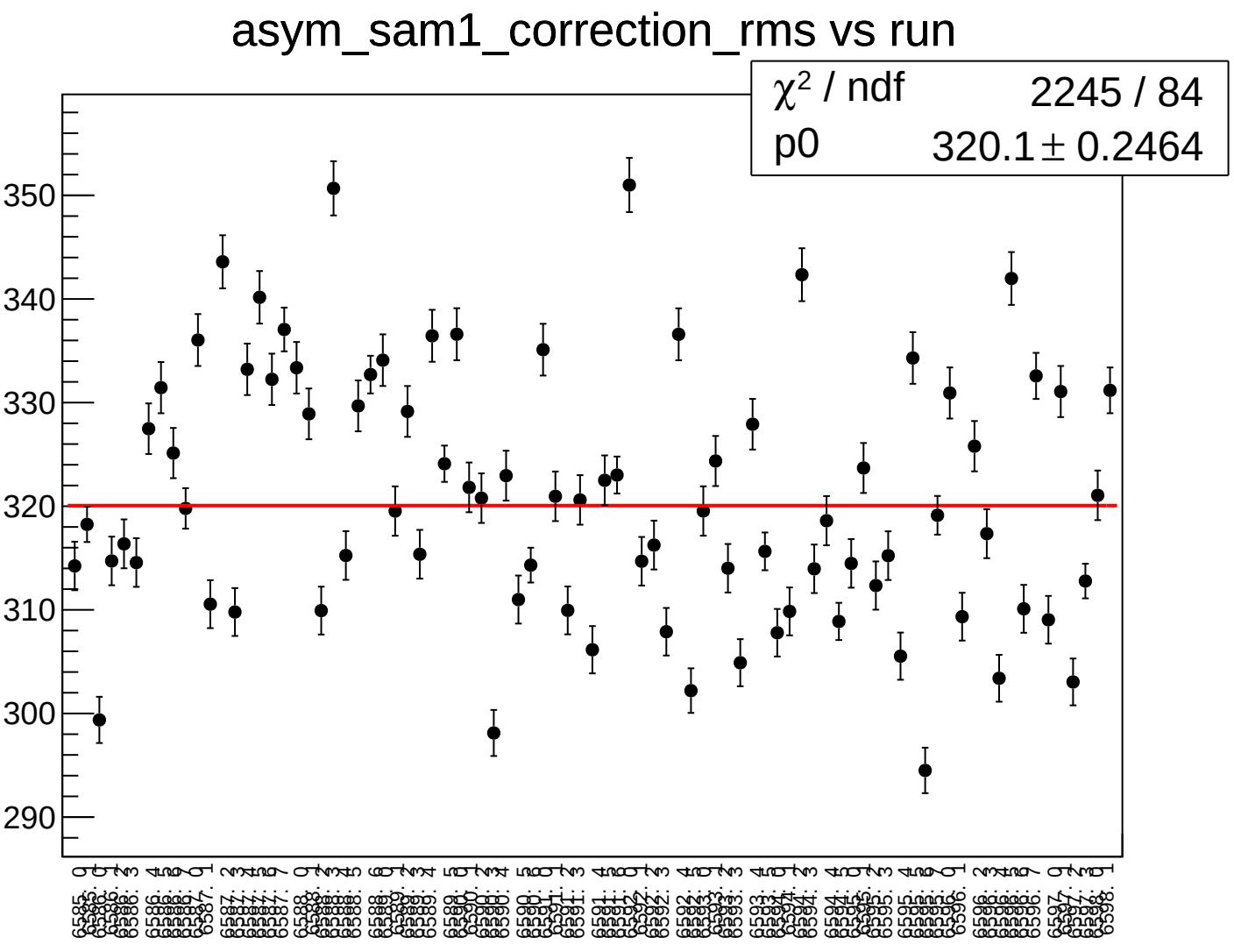

dit_asym_sam1_mean vs run
χ² / ndf 75.78 / 84
p0 173.2 ± 88.94
pull
Entries 85
Mean −81.51
Std Dev 101.9

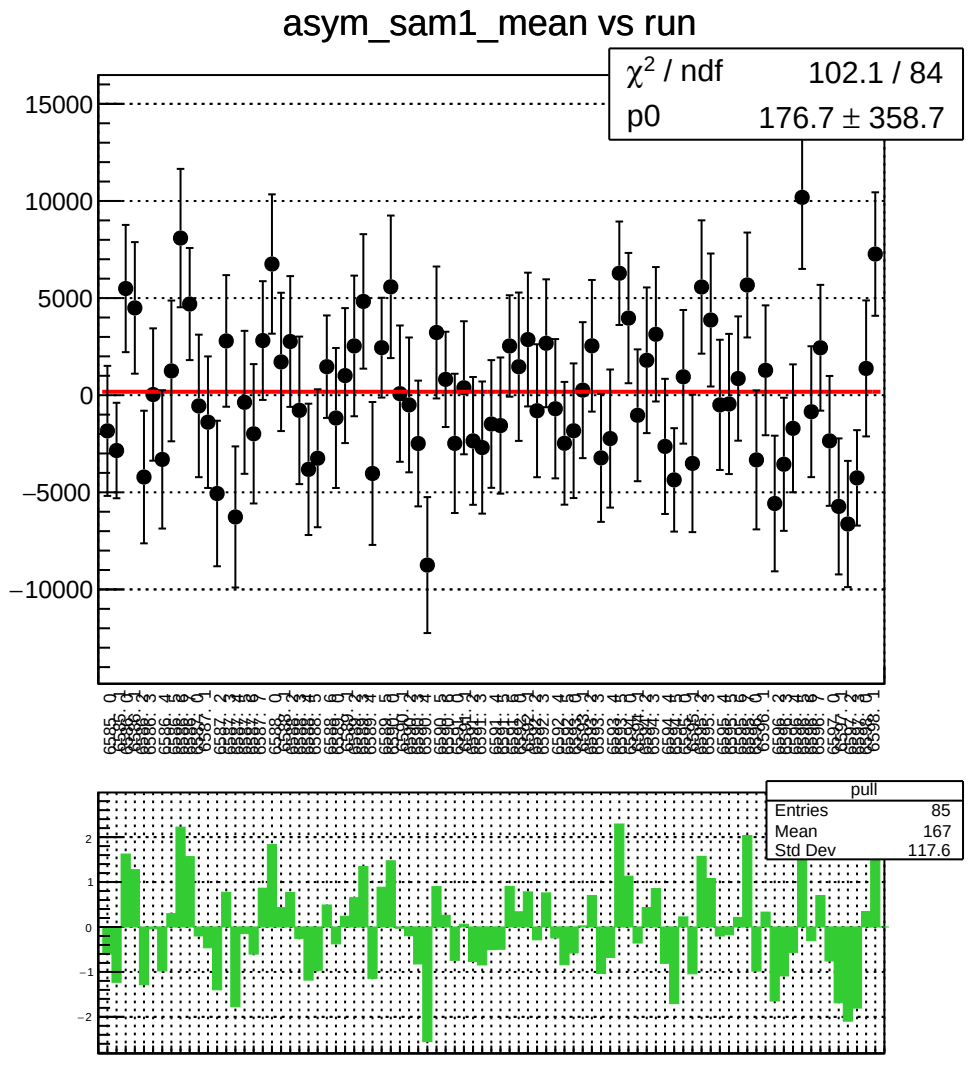

pull1D
Entries 85
Mean −0.01653
Std Dev 0.944

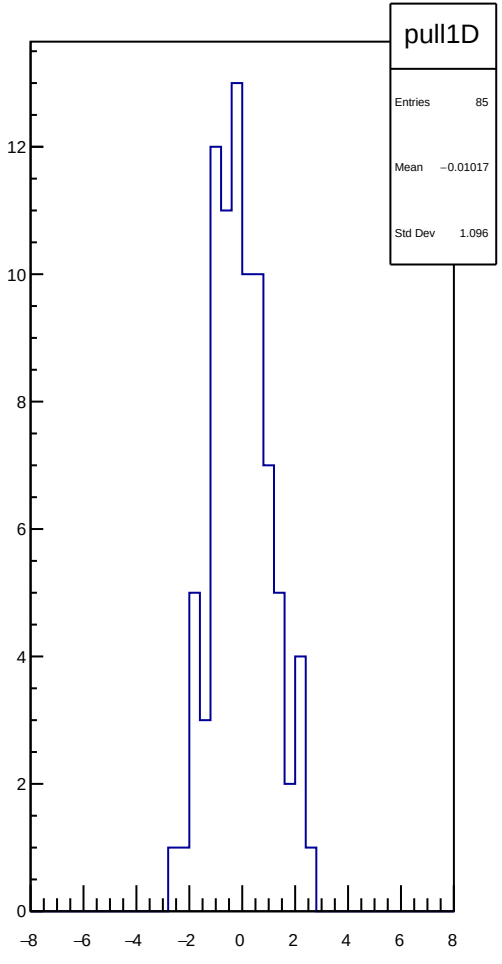

dit_asym_sam1_rms vs run
χ^2 / ndf 5998 / 84
p0 81.6 ± 0.06289
90
85
80
75
70

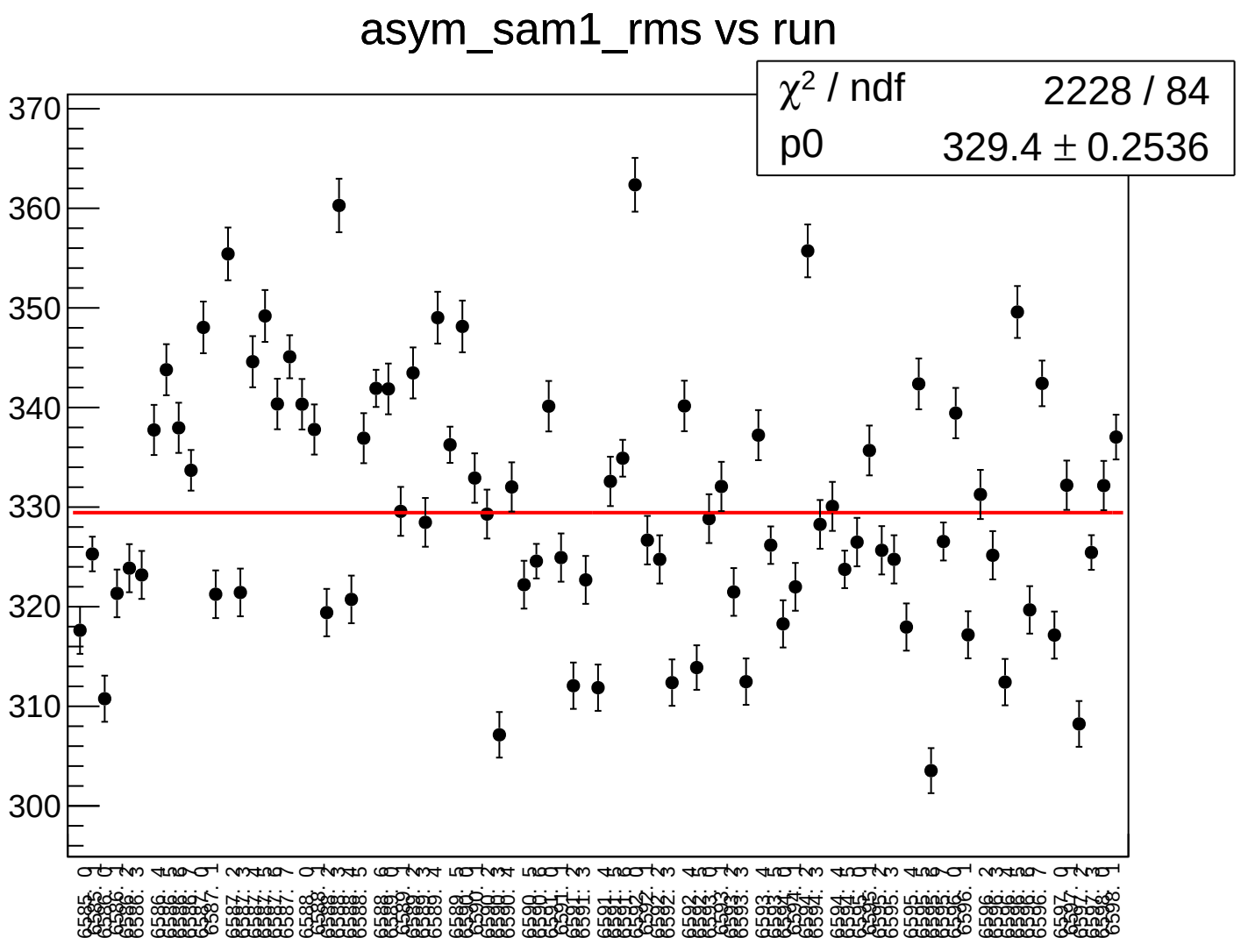

asym_sam1_correction_mean vs run
χ² / ndf 99.25 / 84
p0 −16.07 ± 348.5
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 265.5
Std Dev 224.3
2
1
0
−1
−2

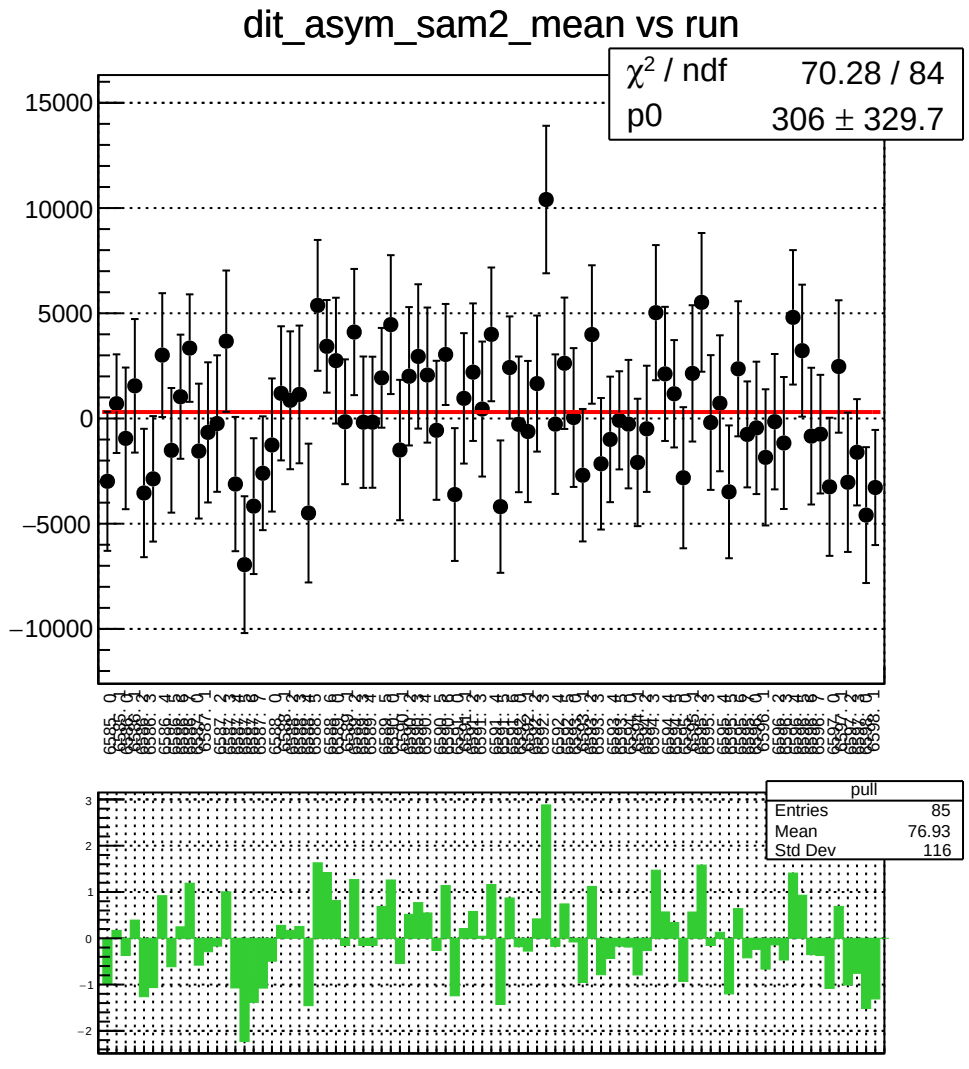

pull1D
Entries 85
Mean 0.008299
Std Dev 1.081
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

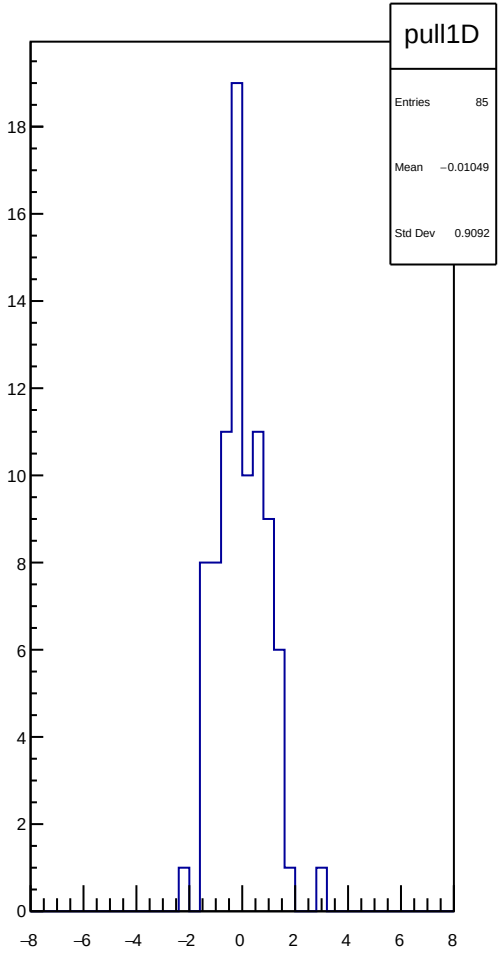

asym_sam1_correction_rms vs run
χ² / ndf 2245 / 84
p0 320.1 ± 0.2464
350
340
330
320
310
300
290

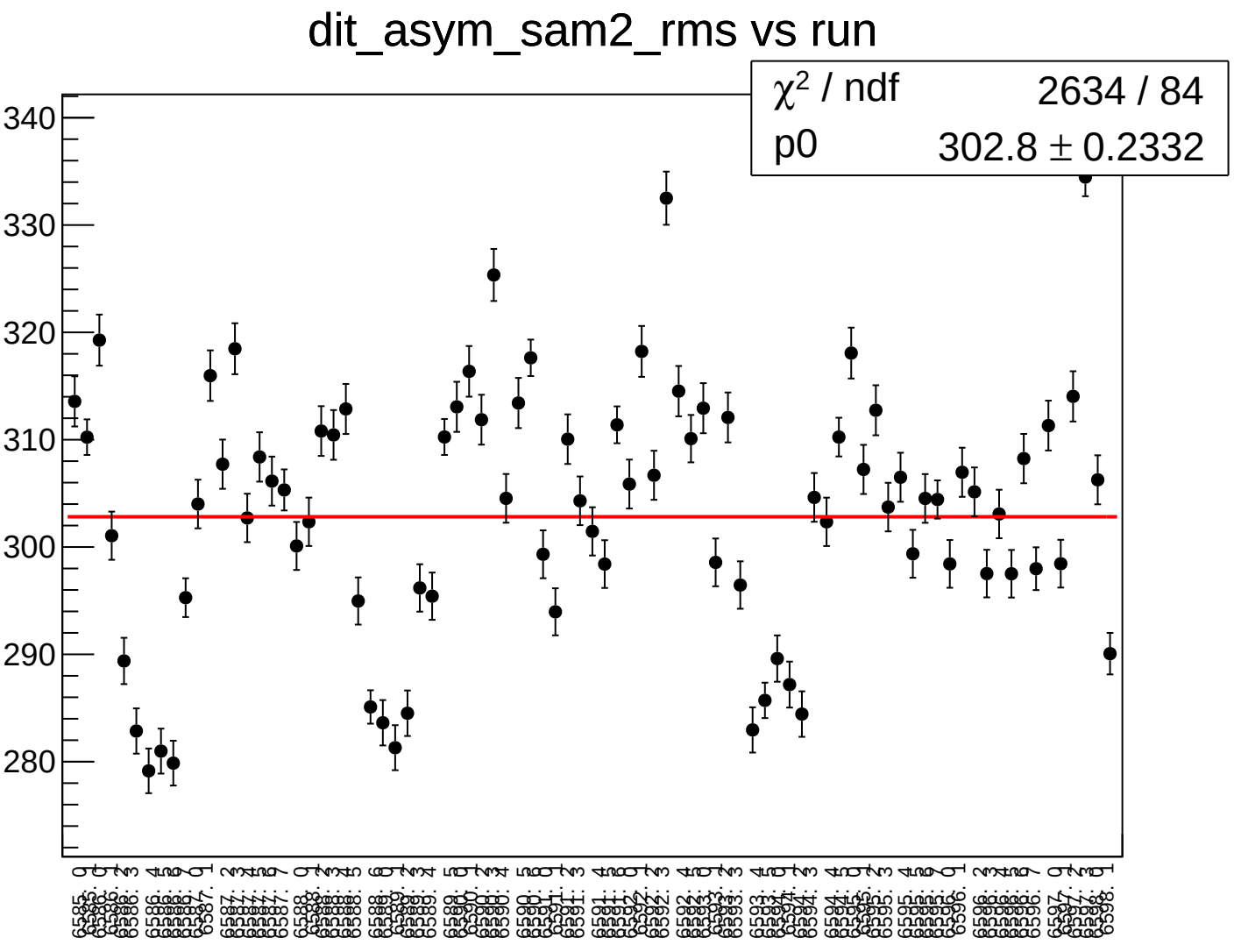

asym_sam1_mean vs run
χ² / ndf 102.1 / 84
p0 176.7 ± 358.7
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 167
Std Dev 117.6
2
1
0
−1
−2

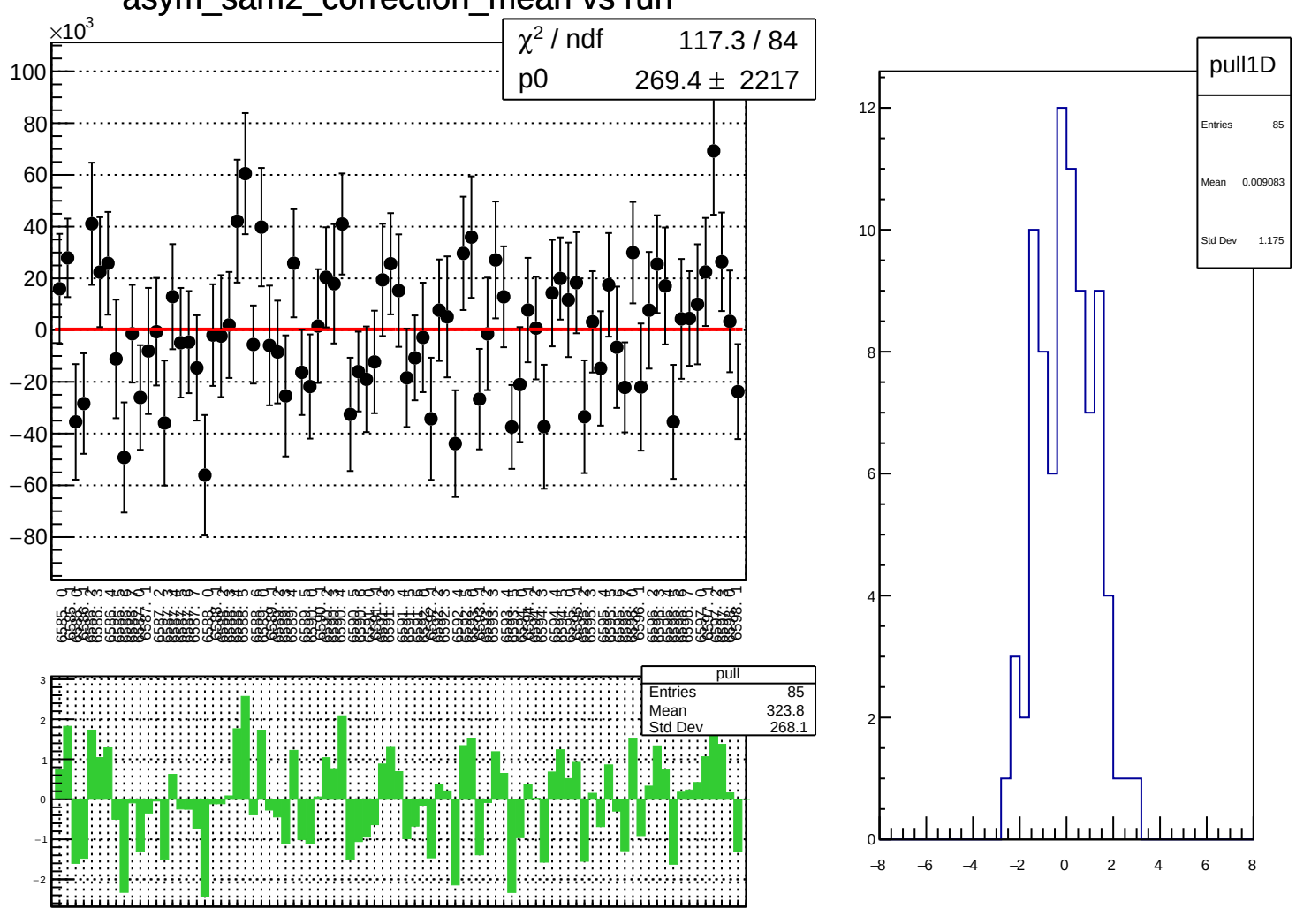

pull1D
Entries 85
Mean −0.01017
Std Dev 1.096
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

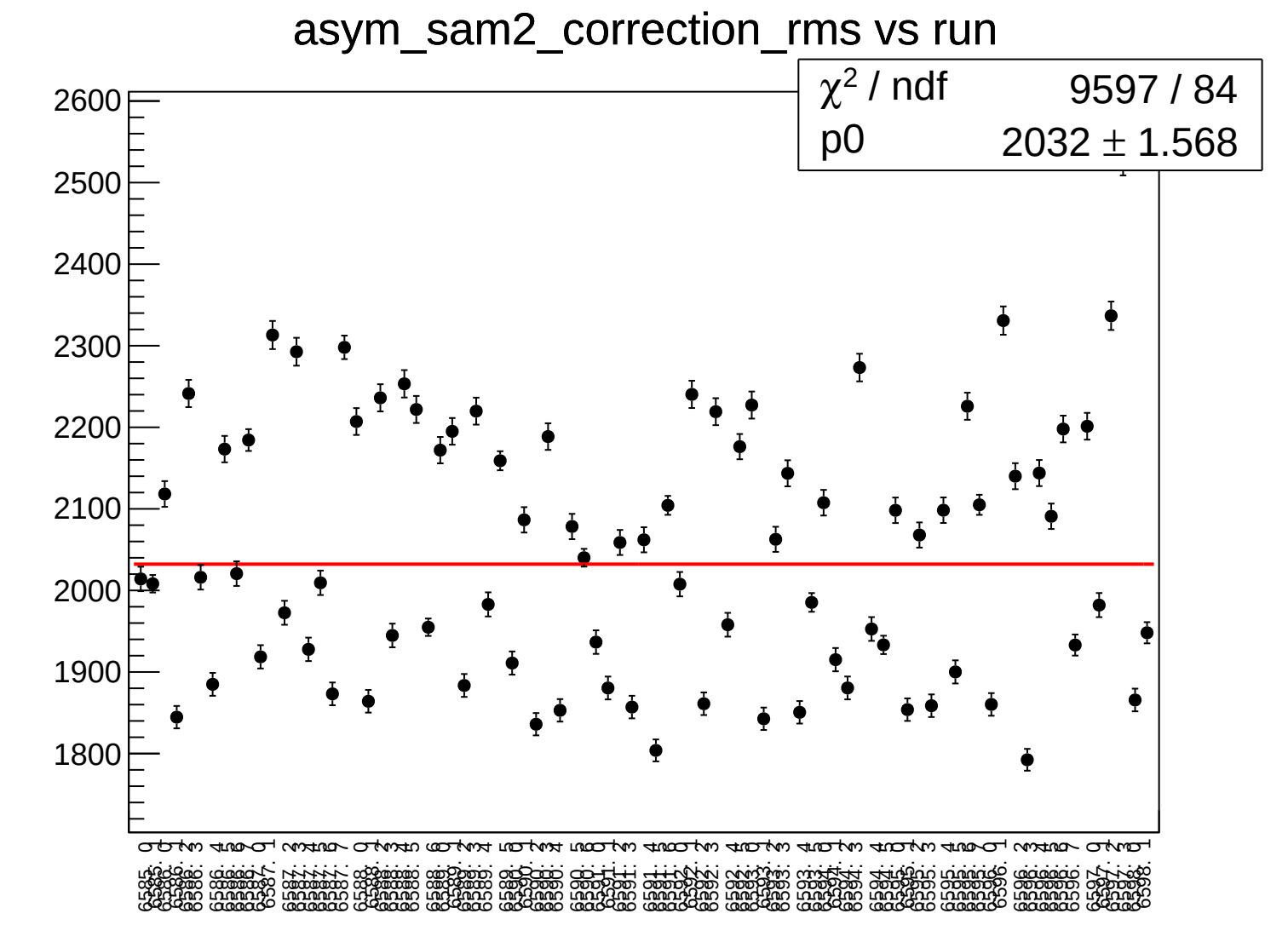

asym_sam1_rms vs run
χ² / ndf 2228 / 84
p0 329.4 ± 0.2536
370
360
350
340
330
320
310
300

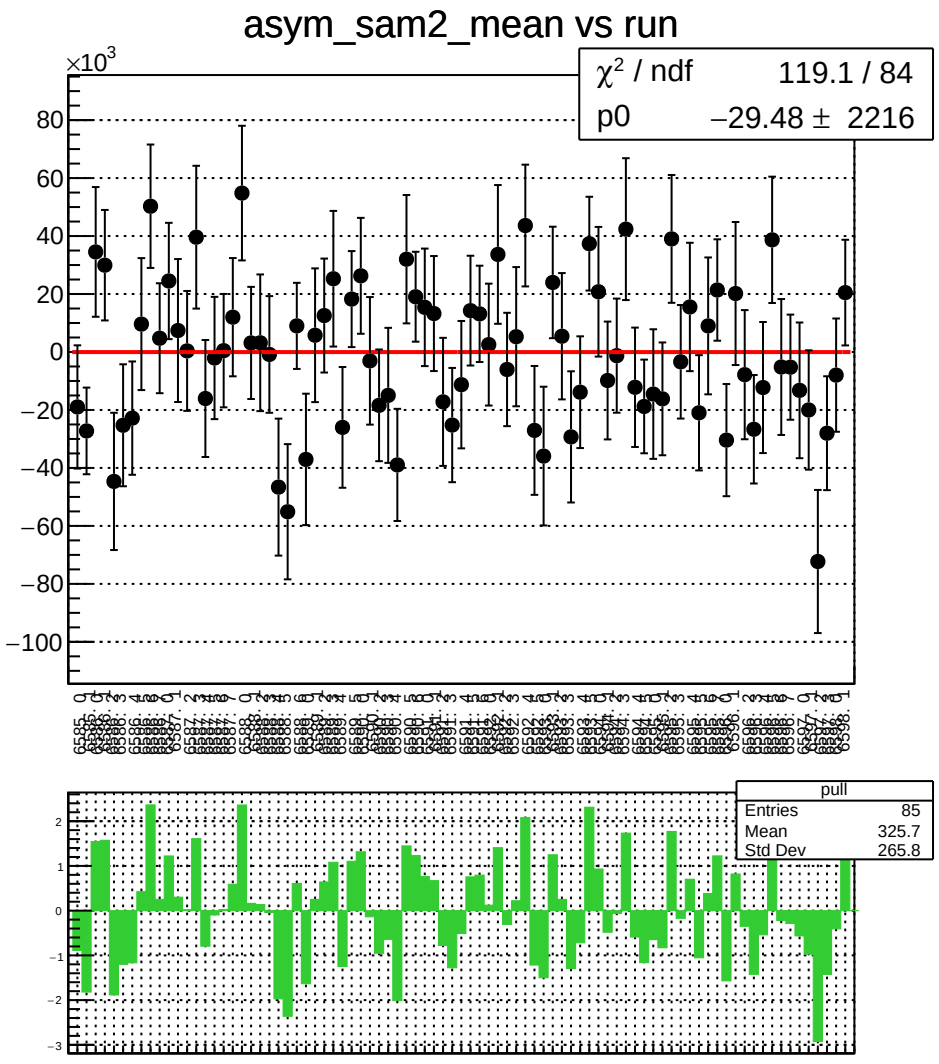

dit_asym_sam2_mean vs run
χ² / ndf 70.28 / 84
p0 306 ± 329.7
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 76.93
Std Dev 116
3
2
1
0
−1
−2

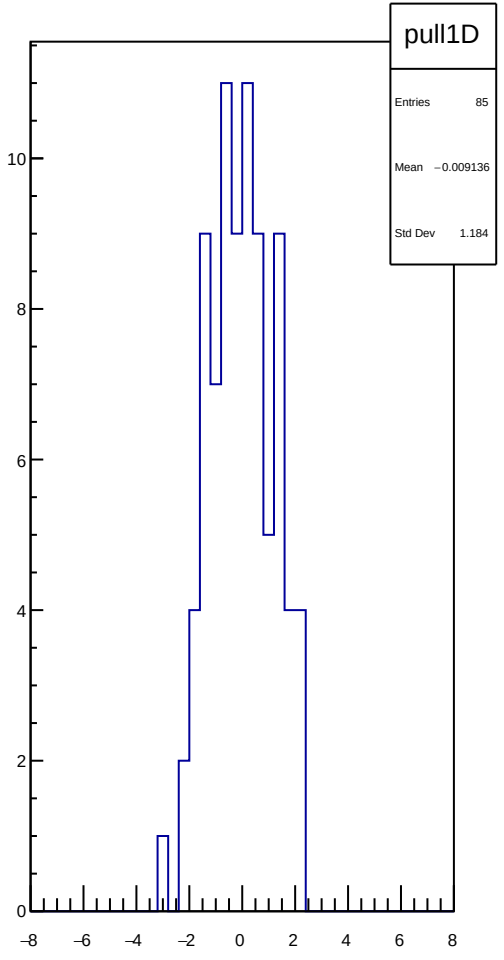

pull1D
Entries 85
Mean −0.01049
Std Dev 0.9092
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

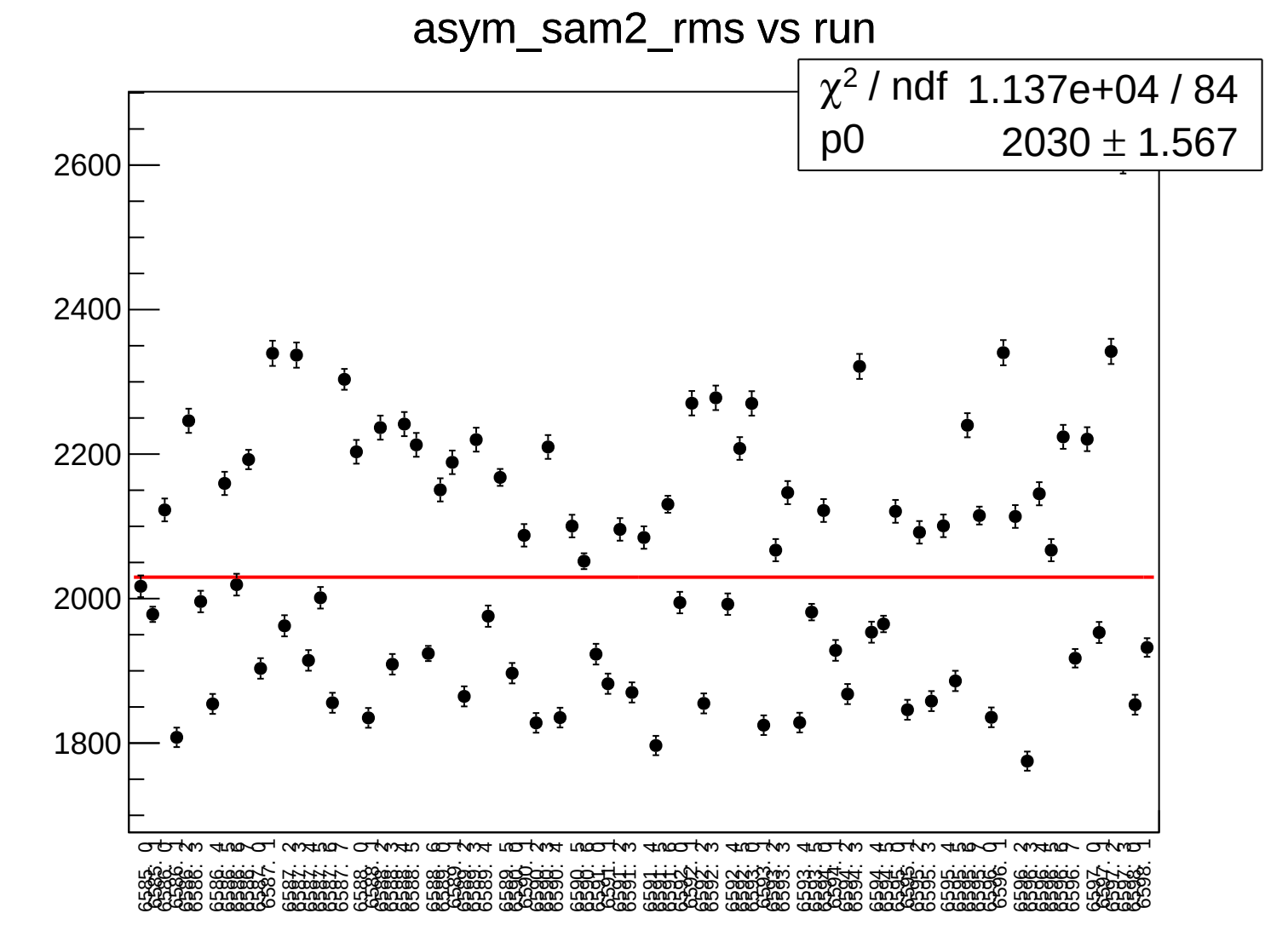

dit_asym_sam2_rms vs run
χ² / ndf 2634 / 84
p0 302.8 ± 0.2332
340
330
320
310
300
290
280

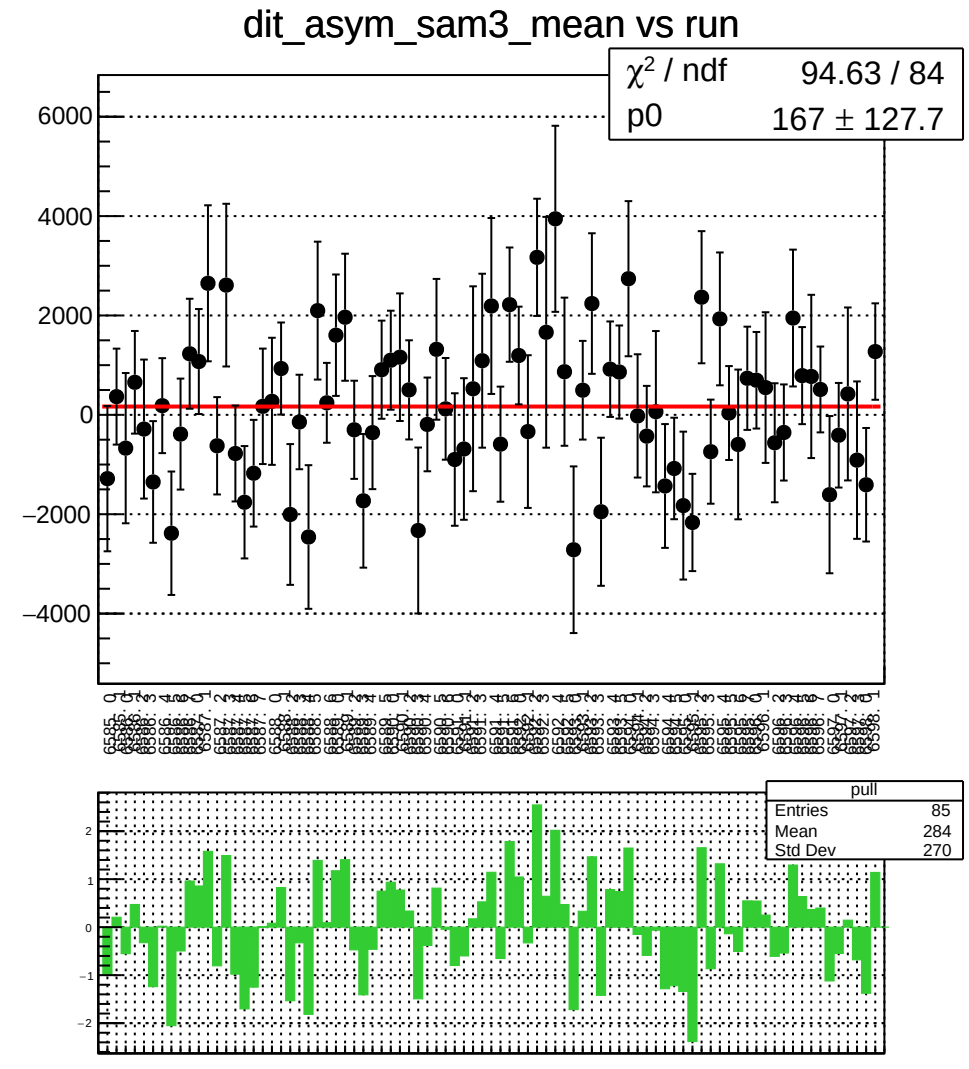

asym_sam2_correction_mean vs run
×10^3
χ² / ndf 117.3 / 84
p0 269.4 ± 2217
pull
Entries 85
Mean 323.8
Std Dev 268.1
pull1D
Entries 85
Mean 0.009083
Std Dev 1.175

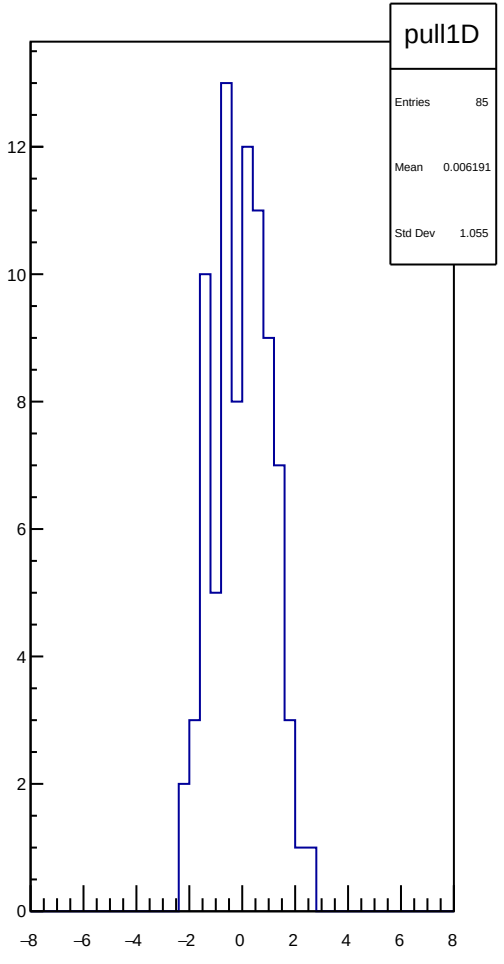

asym_sam2_correction_rms vs run
χ² / ndf 9597 / 84
p0 2032 ± 1.568
2600
2500
2400
2300
2200
2100
2000
1900
1800

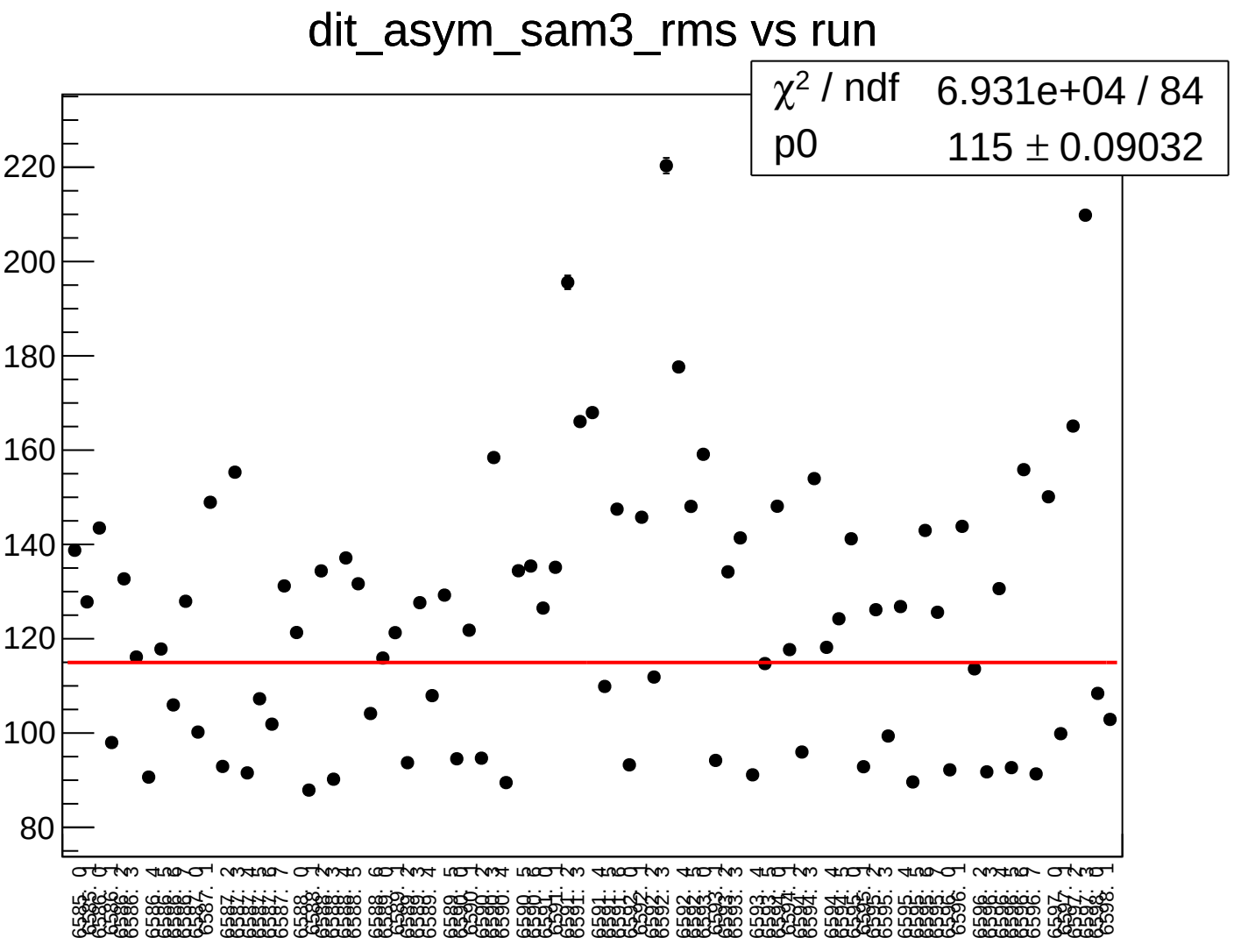

asym_sam2_mean vs run
×10^3
χ² / ndf 119.1 / 84
p0 −29.48 ± 2216
pull
Entries 85
Mean 325.7
Std Dev 265.8

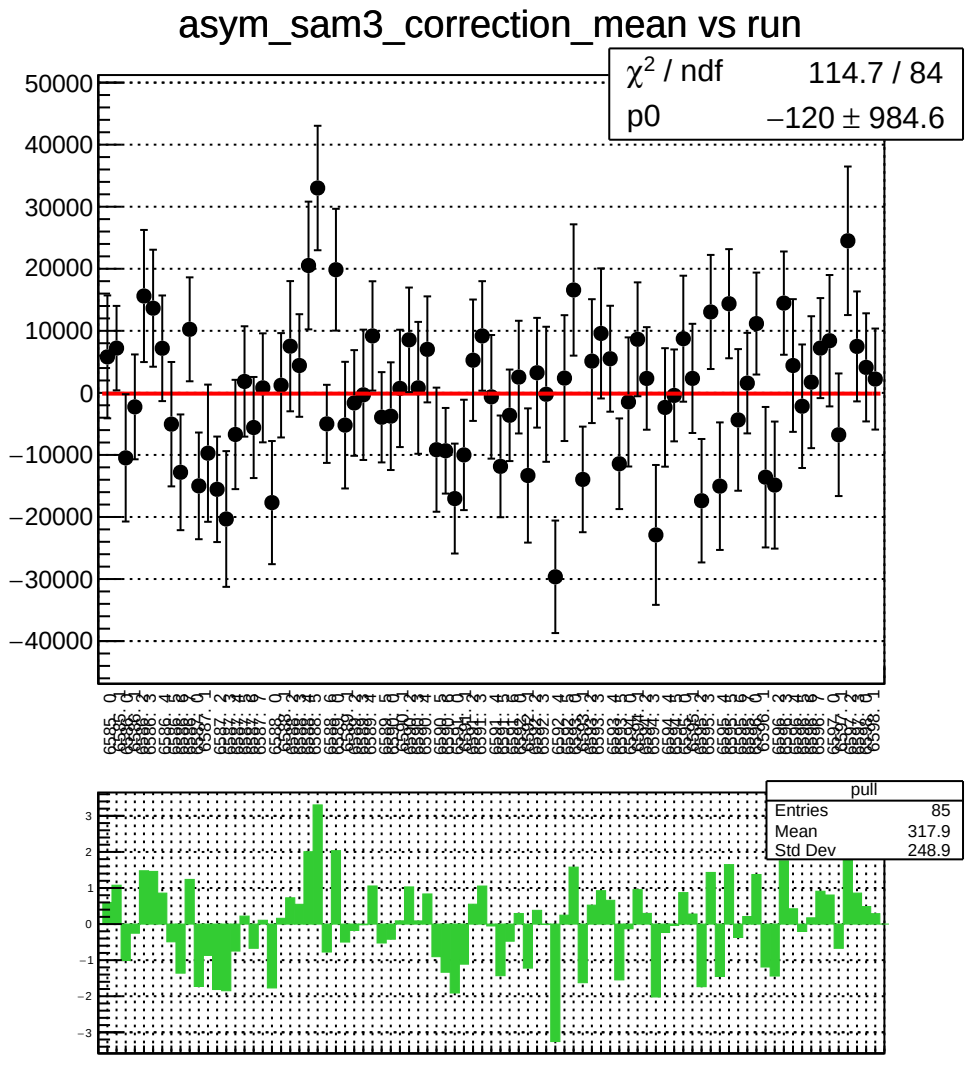

pull1D
Entries 85
Mean −0.009136
Std Dev 1.184

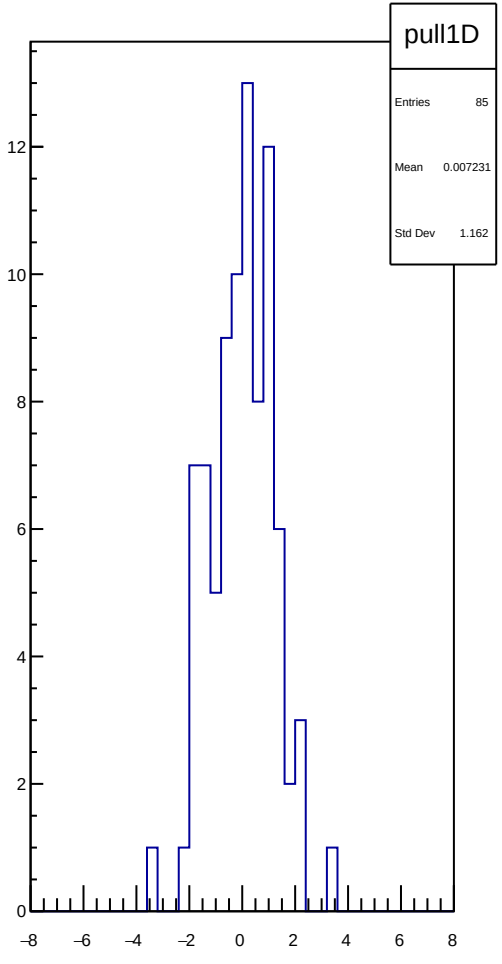

asym_sam2_rms vs run
χ² / ndf 1.137e+04 / 84
p0 2030 ± 1.567
2600
2400
2200
2000
1800

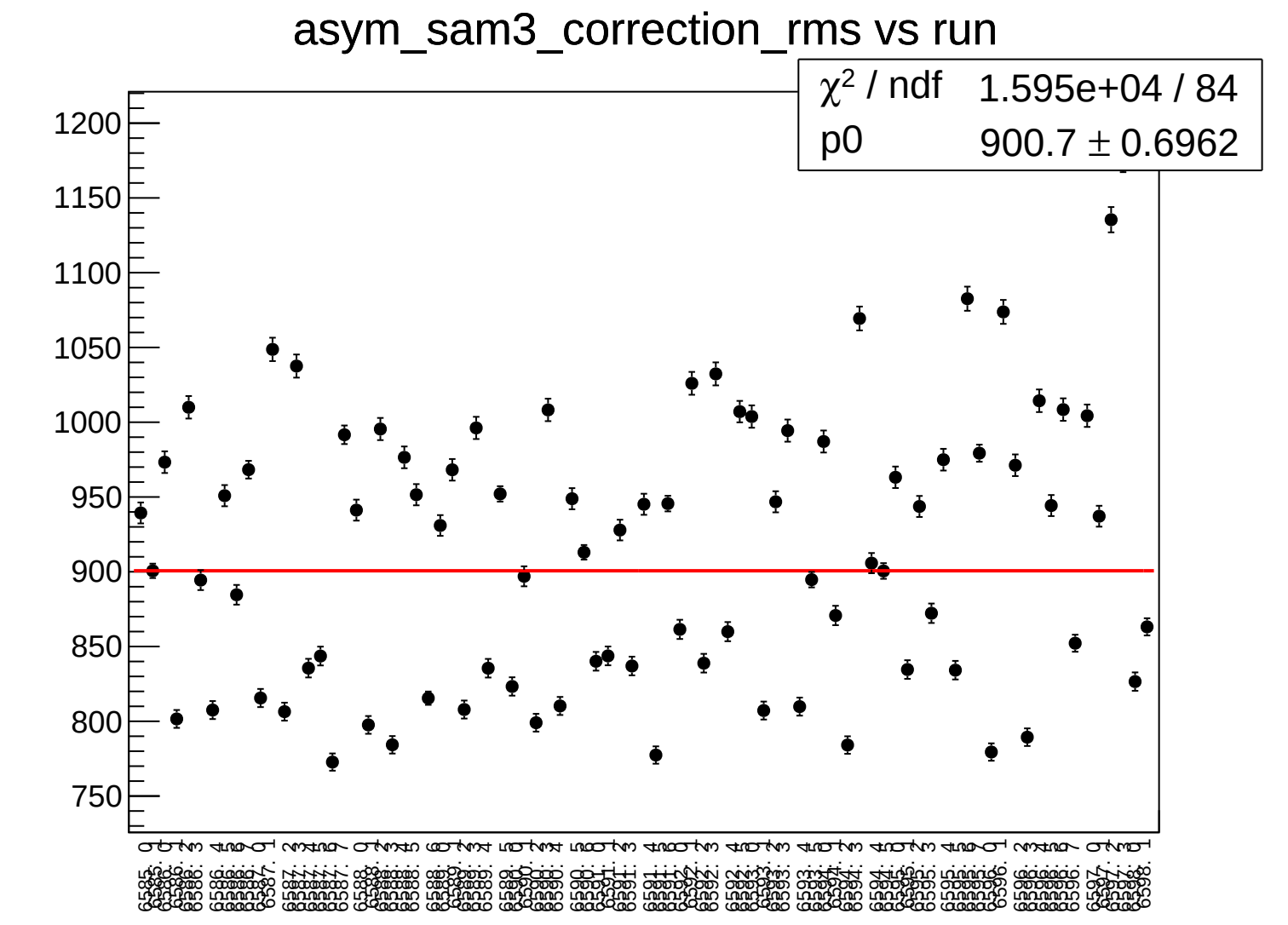

dit_asym_sam3_mean vs run
χ² / ndf 94.63 / 84
p0 167 ± 127.7
6000
4000
2000
0
−2000
−4000
pull
Entries 85
Mean 284
Std Dev 270
2
1
0
−1
−2

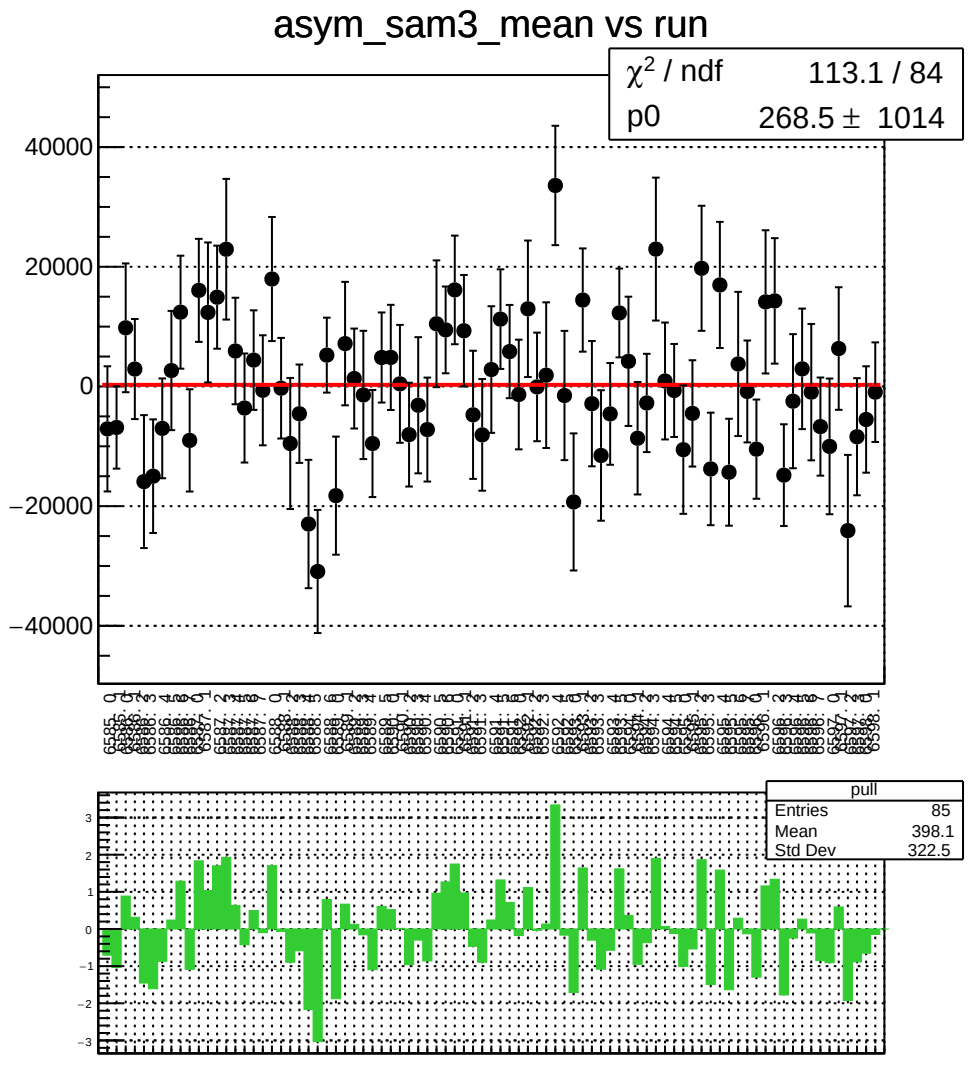

pull1D
Entries 85
Mean 0.006191
Std Dev 1.055
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

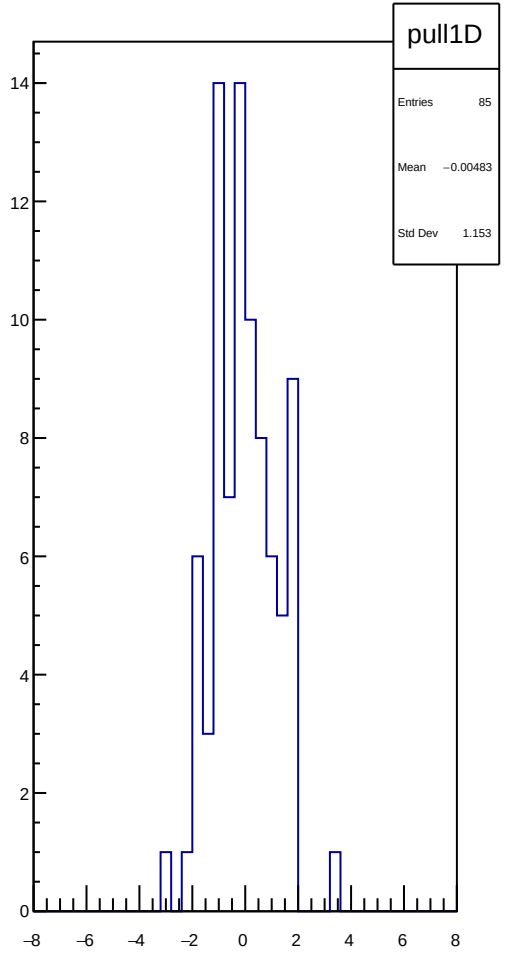

dit_asym_sam3_rms vs run
χ² / ndf 6.931e+04 / 84
p0 115 ± 0.09032
220
200
180
160
140
120
100
80

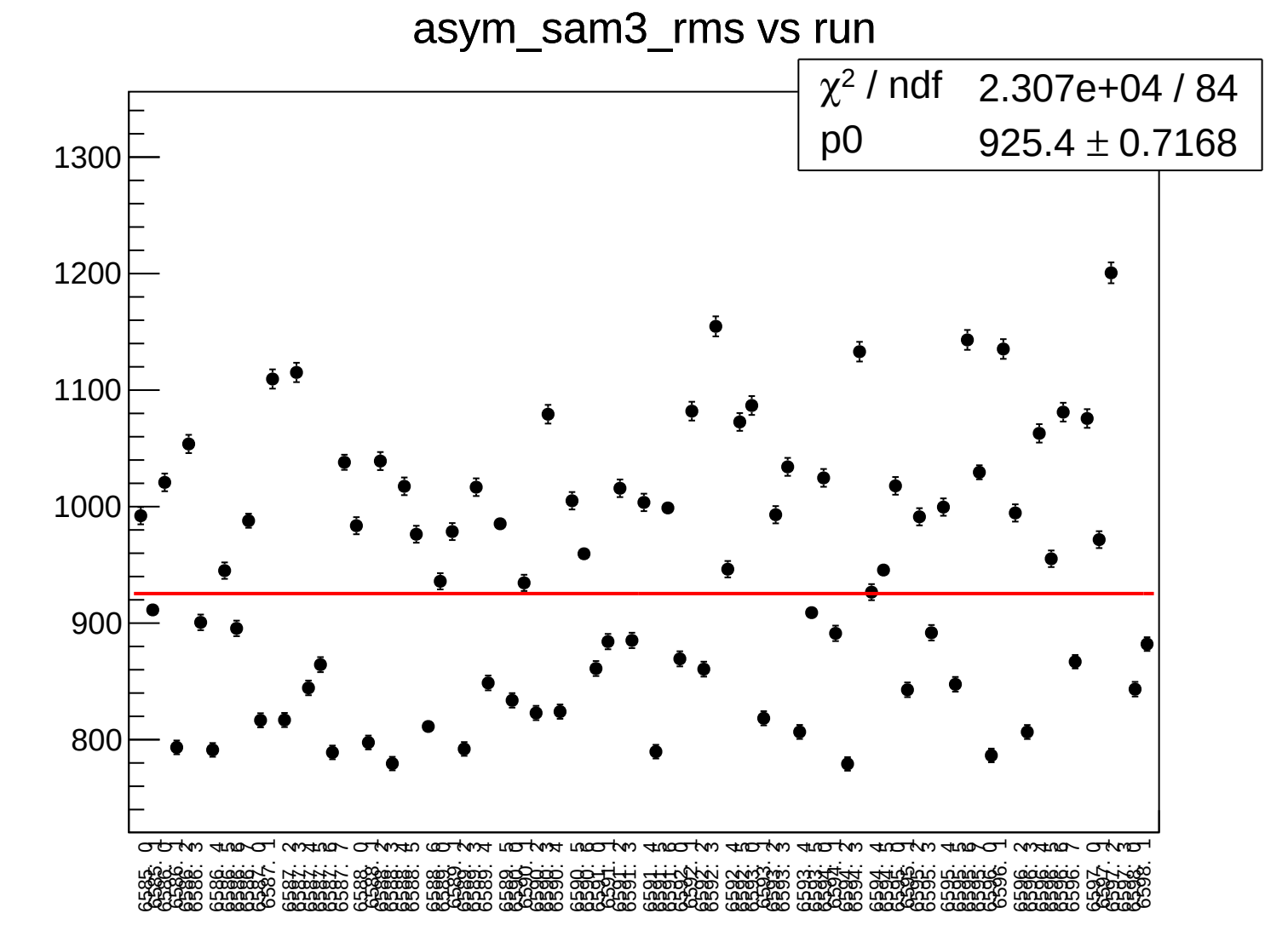

asym_sam3_correction_mean vs run
χ² / ndf 114.7 / 84
p0 −120 ± 984.6
pull
Entries 85
Mean 317.9
Std Dev 248.9

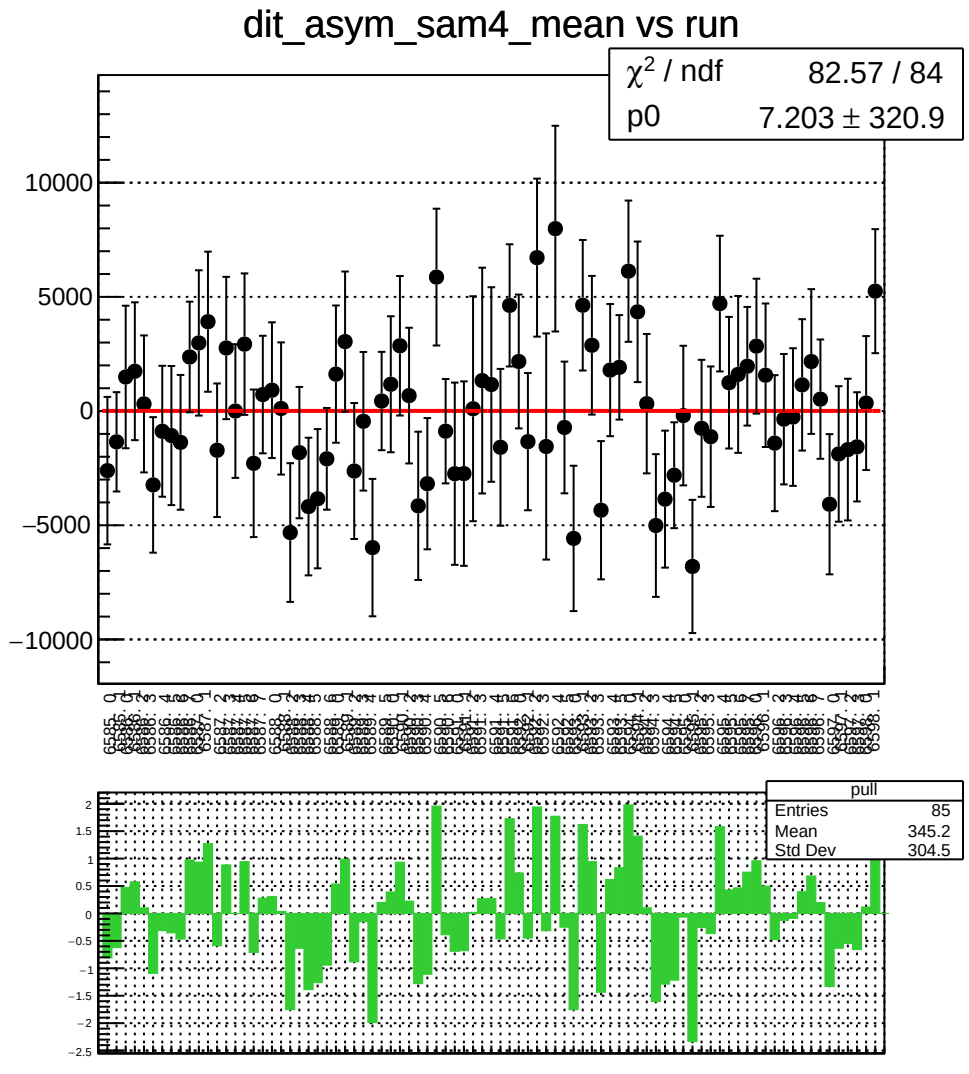

pull1D
Entries 85
Mean 0.007231
Std Dev 1.162

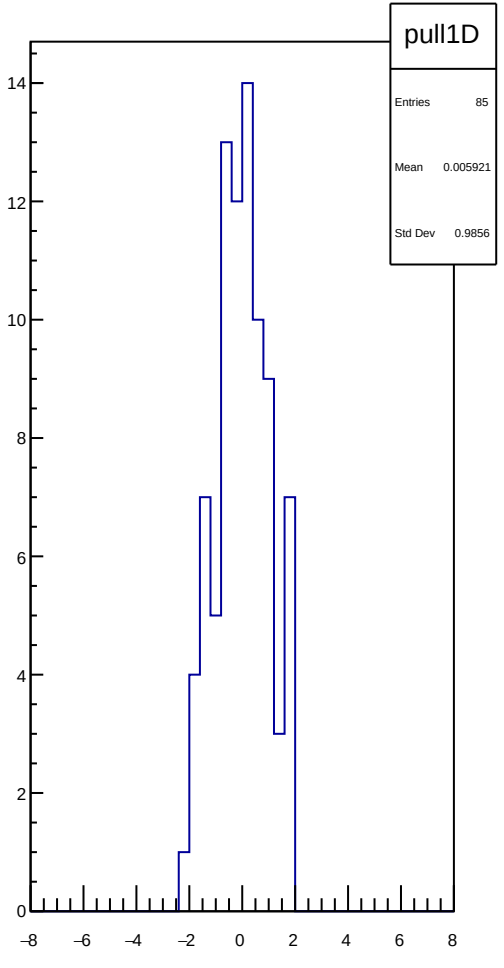

asym_sam3_correction_rms vs run
χ² / ndf 1.595e+04 / 84
p0 900.7 ± 0.6962
1200
1150
1100
1050
1000
950
900
850
800
750

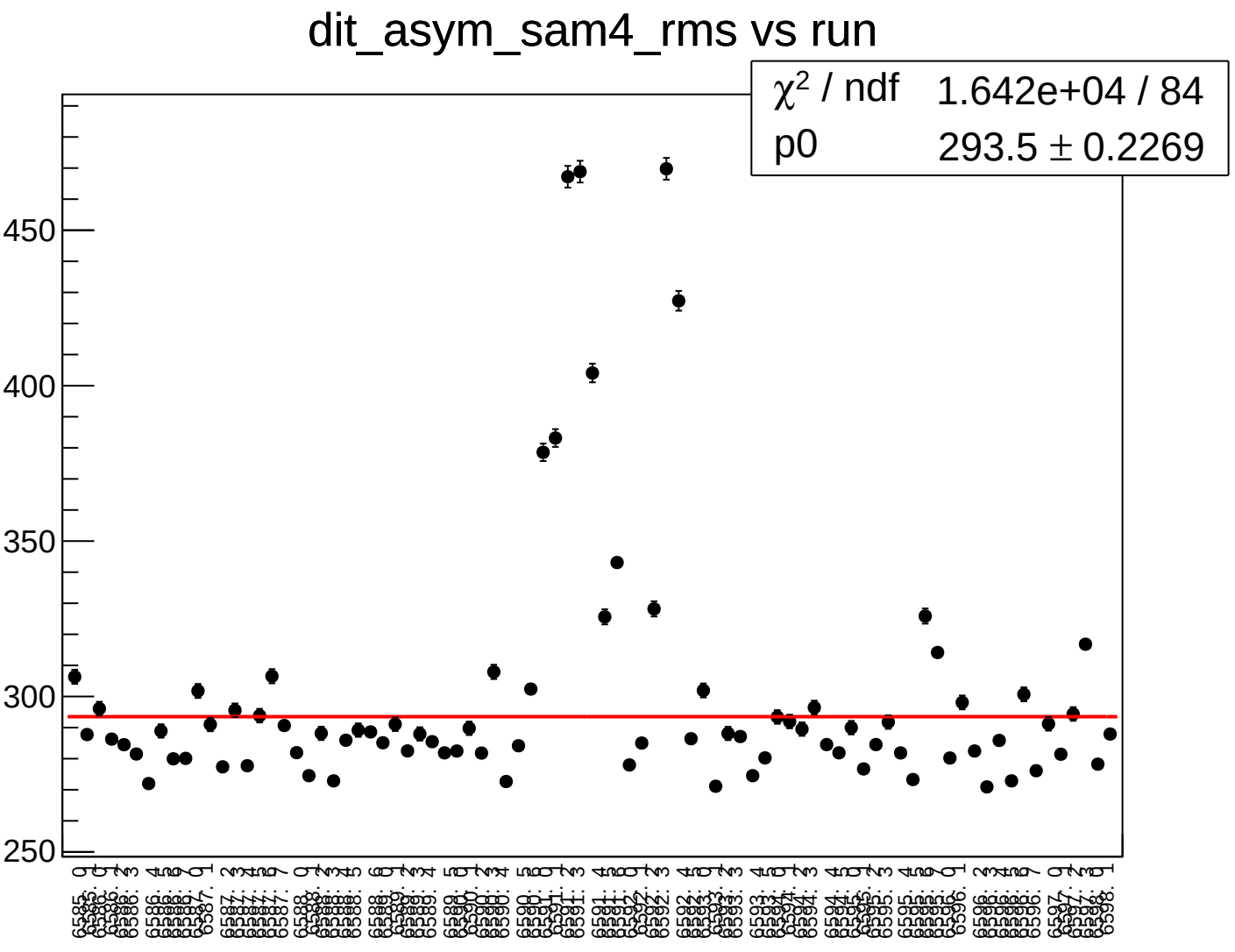

asym_sam3_mean vs run
χ² / ndf 113.1 / 84
p0 268.5 ± 1014
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 398.1
Std Dev 322.5
3
2
1
0
−1
−2
−3

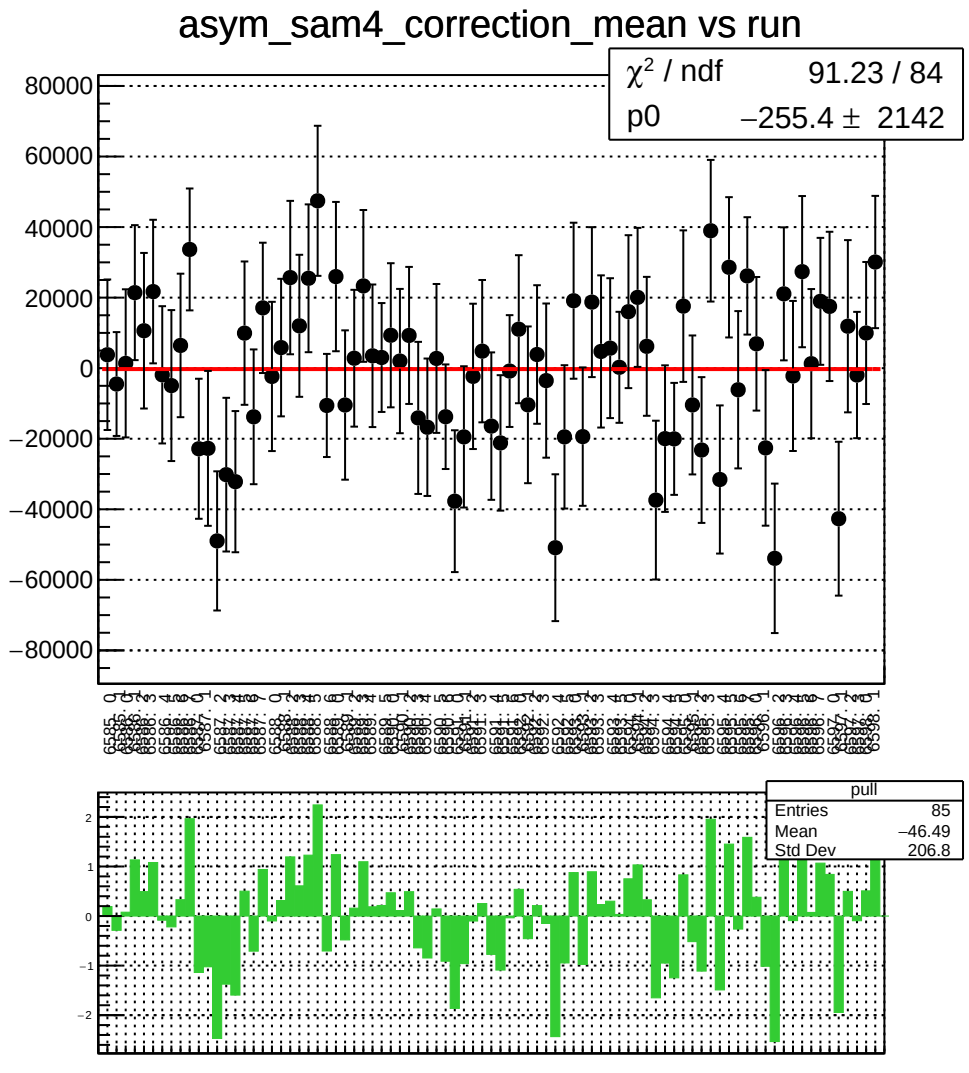

pull1D
Entries 85
Mean −0.00483
Std Dev 1.153
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

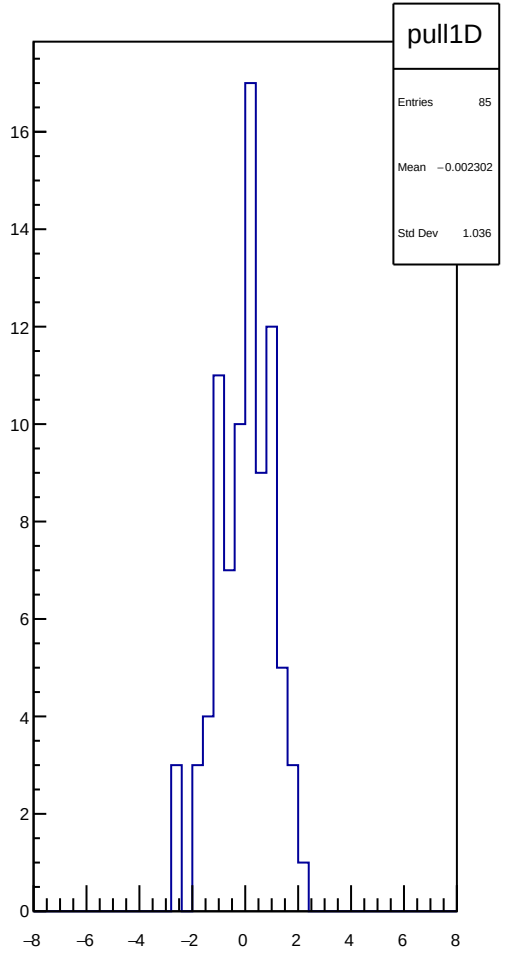

asym_sam3_rms vs run
χ² / ndf 2.307e+04 / 84
p0 925.4 ± 0.7168
1300
1200
1100
1000
900
800

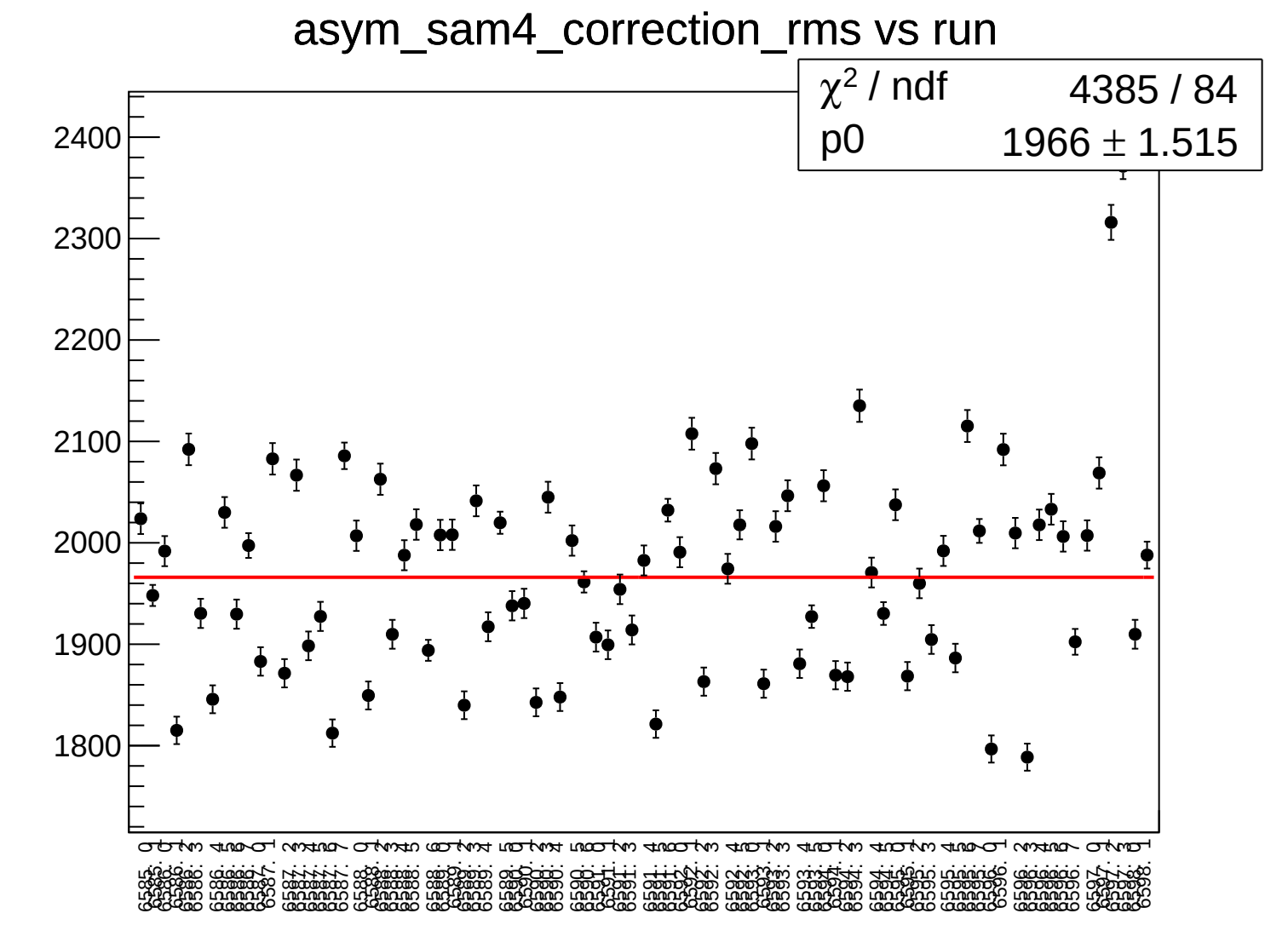

dit_asym_sam4_mean vs run
χ^2 / ndf 82.57 / 84
p0 7.203 ± 320.9
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 345.2
Std Dev 304.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

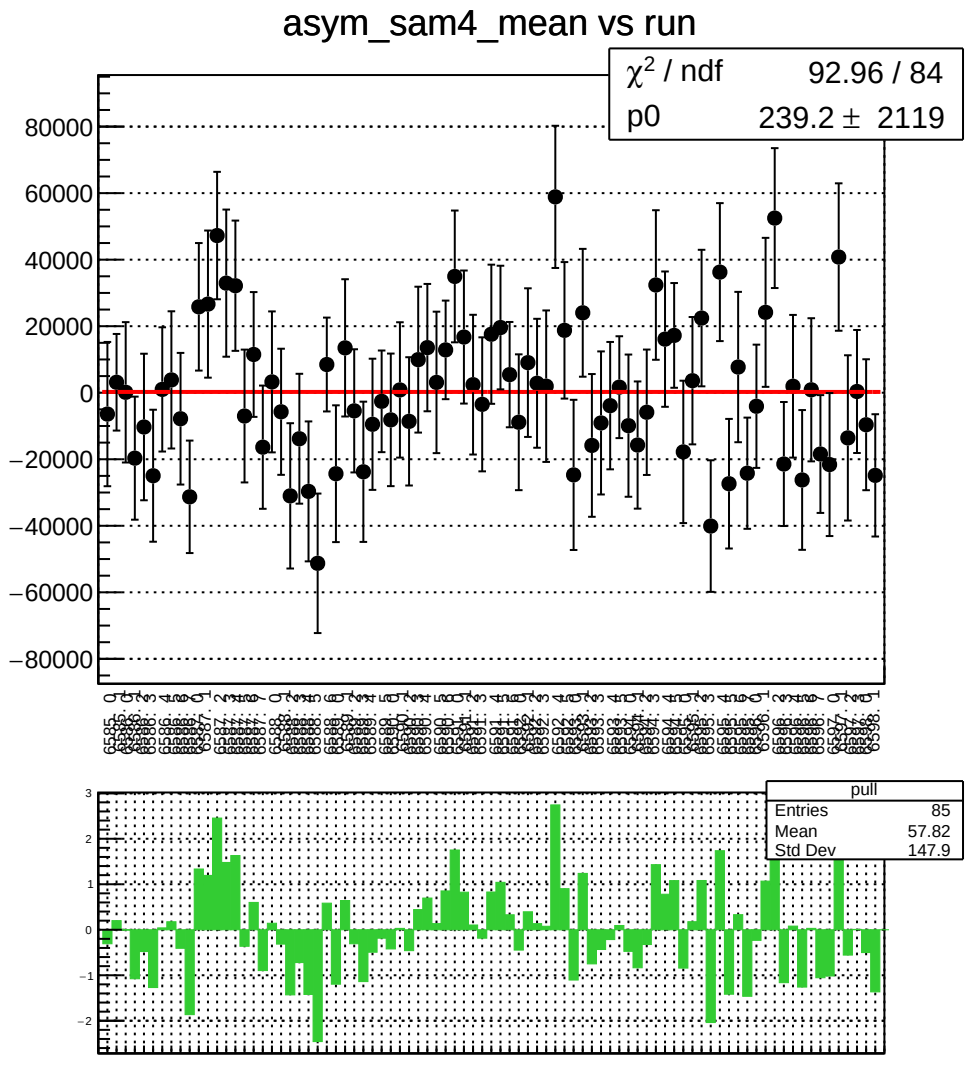

pull1D
Entries 85
Mean 0.005921
Std Dev 0.9856
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

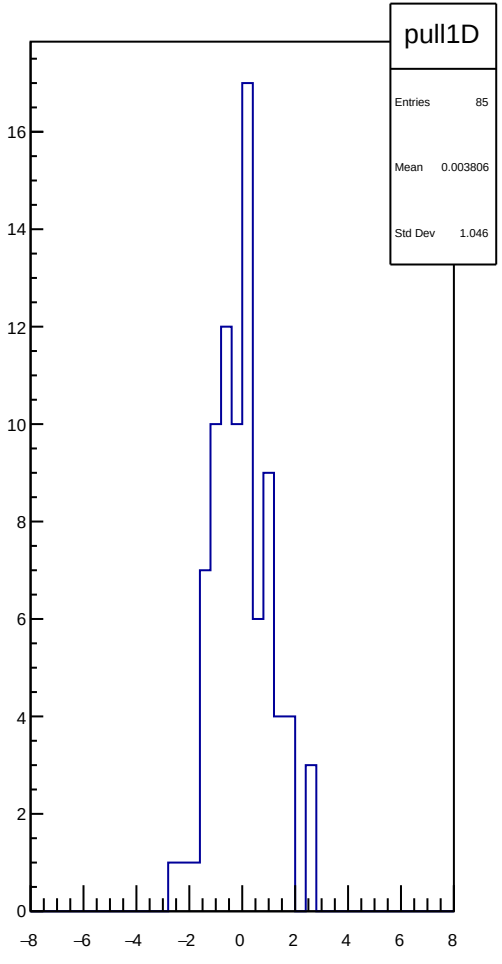

dit_asym_sam4_rms vs run
χ² / ndf 1.642e+04 / 84
p0 293.5 ± 0.2269
450
400
350
300
250

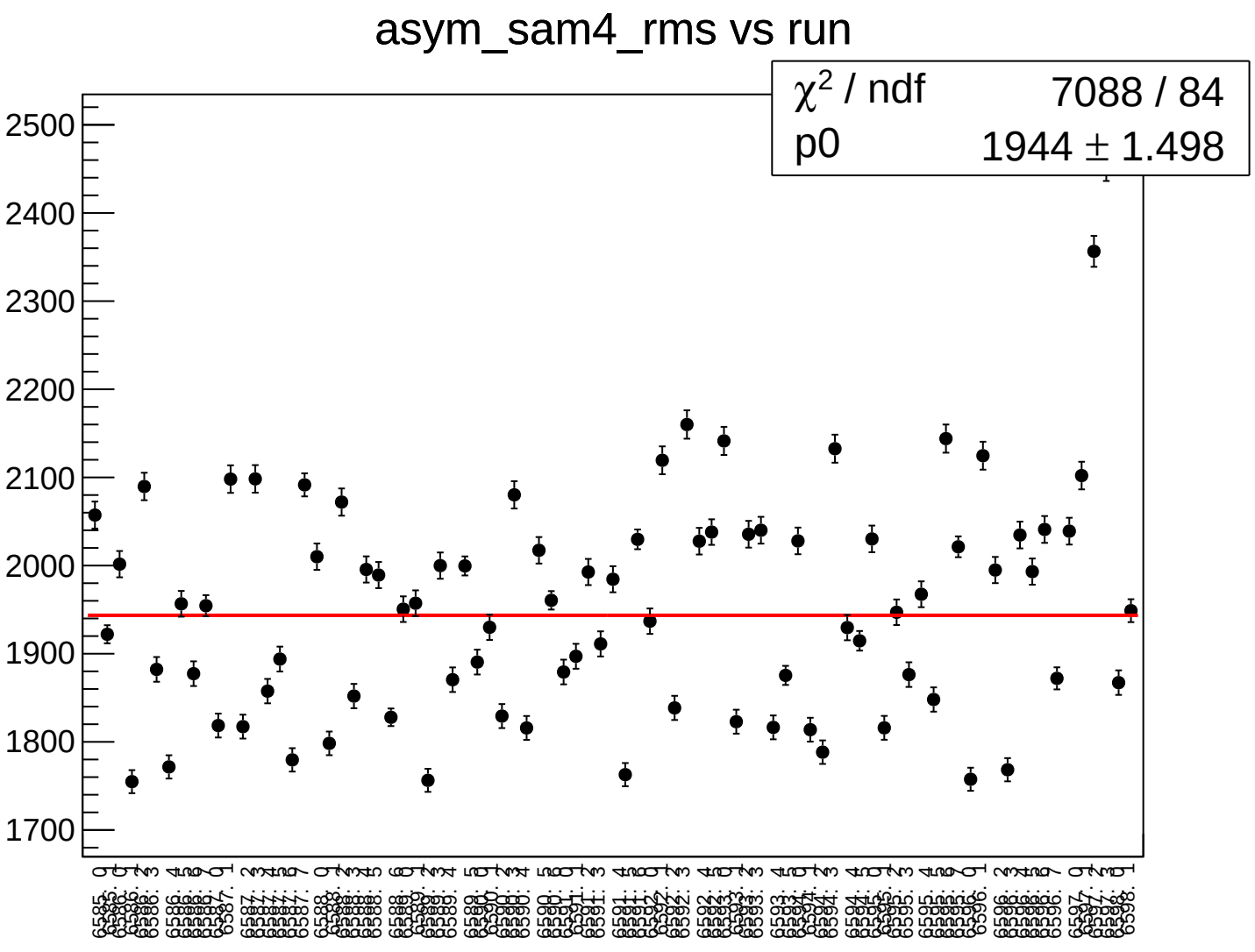

asym_sam4_correction_mean vs run
χ² / ndf 91.23 / 84
p0 −255.4 ± 2142
pull
Entries 85
Mean −46.49
Std Dev 206.8

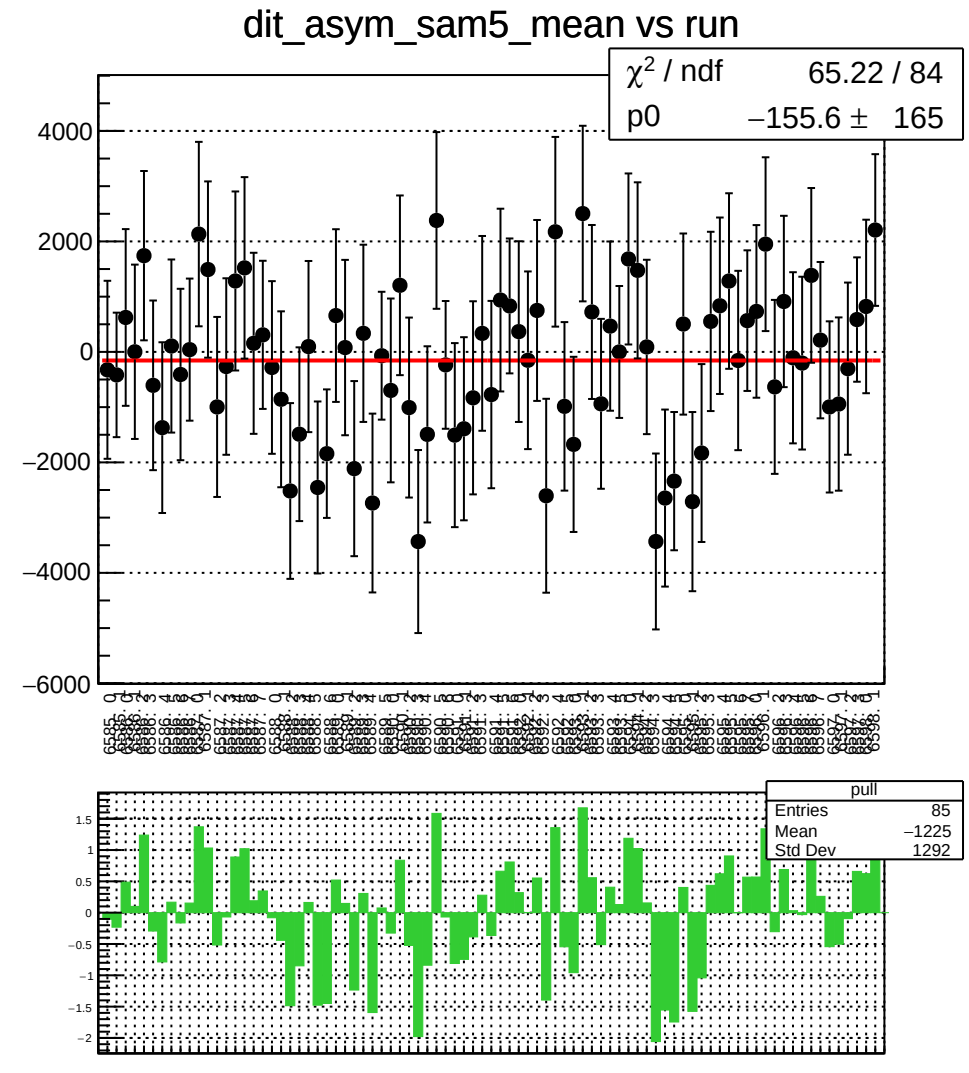

pull1D
Entries 85
Mean −0.002302
Std Dev 1.036

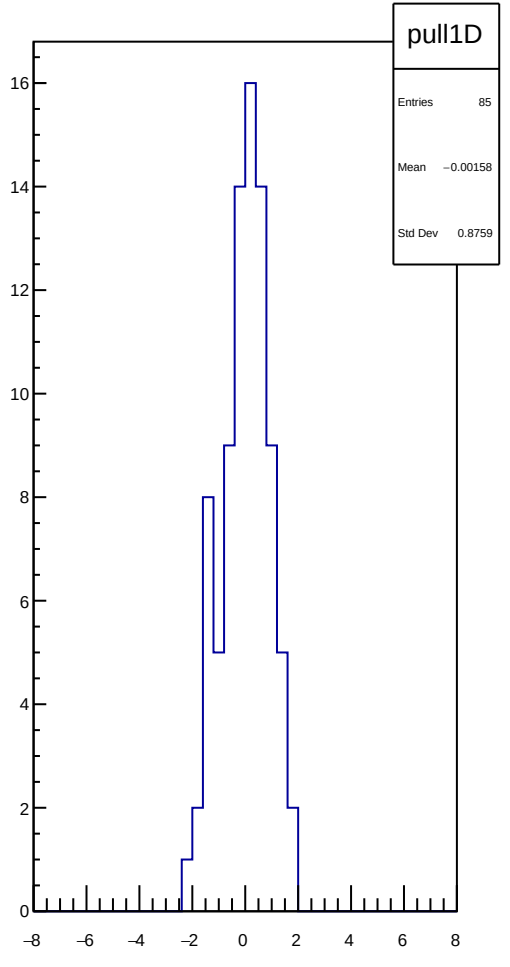

asym_sam4_correction_rms vs run
χ² / ndf 4385 / 84
p0 1966 ± 1.515
2400
2300
2200
2100
2000
1900
1800

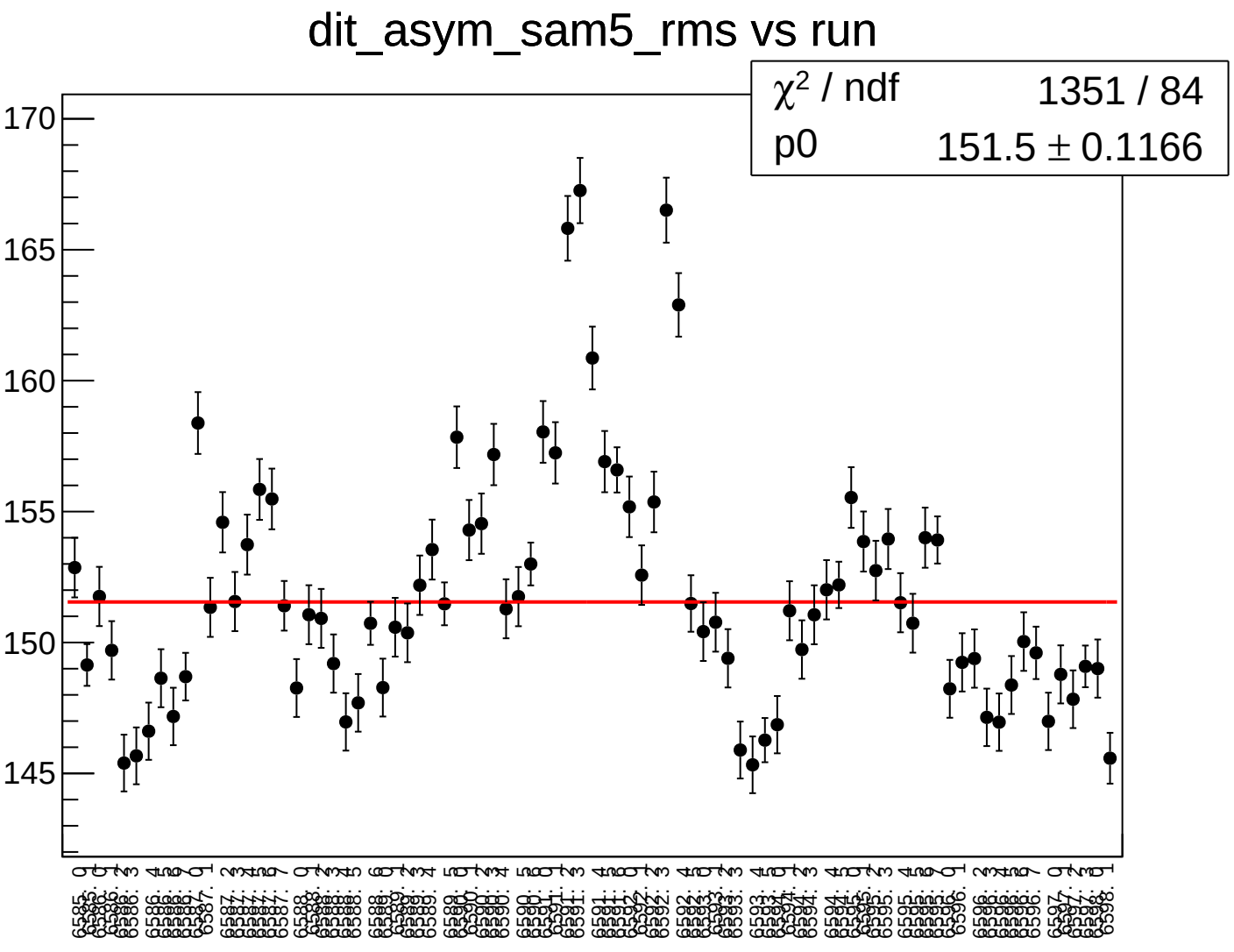

asym_sam4_mean vs run
χ² / ndf 92.96 / 84
p0 239.2 ± 2119
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 85
Mean 57.82
Std Dev 147.9
3
2
1
0
−1
−2

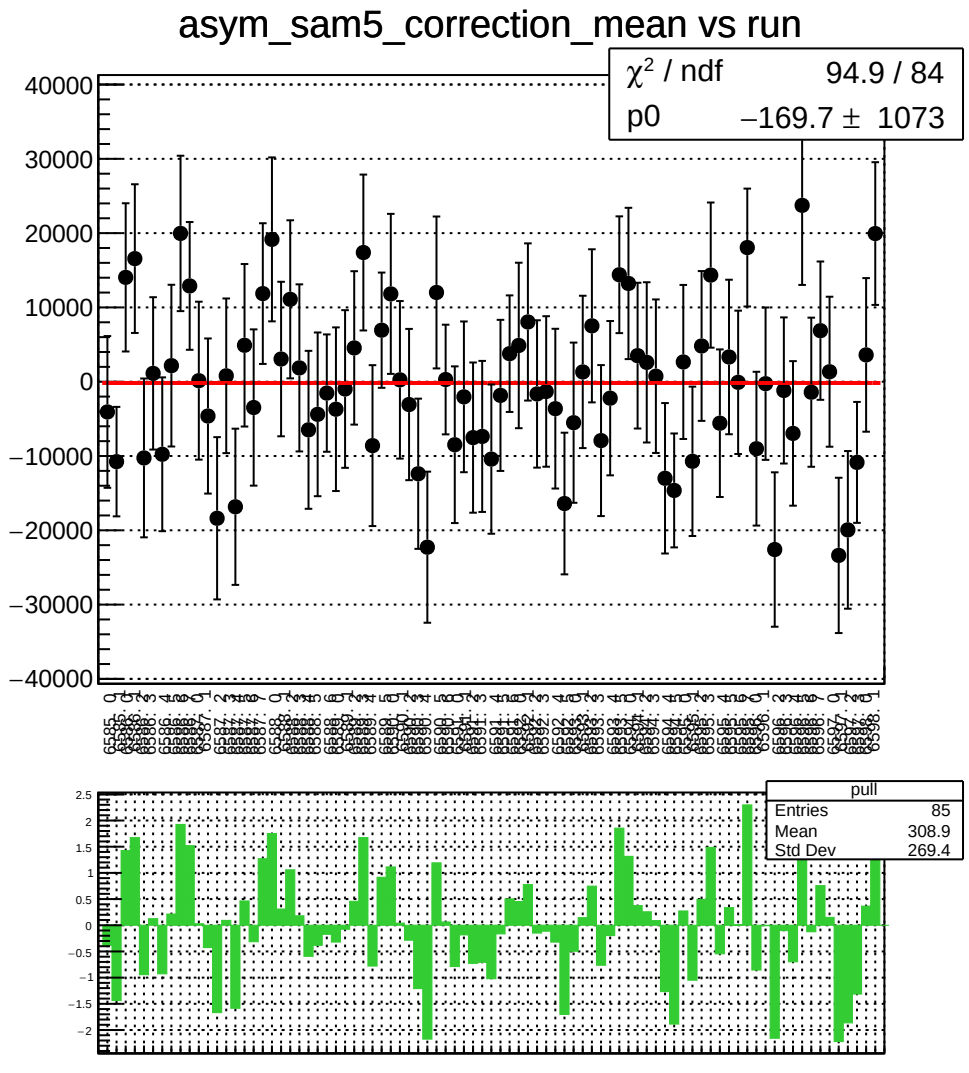

pull1D
Entries 85
Mean 0.003806
Std Dev 1.046
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

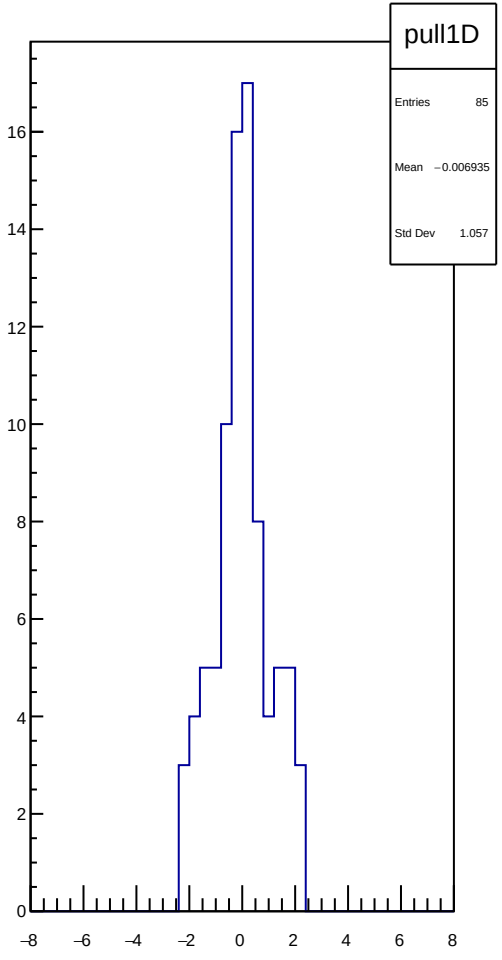

asym_sam4_rms vs run
χ² / ndf 7088 / 84
p0 1944 ± 1.498
2500
2400
2300
2200
2100
2000
1900
1800
1700

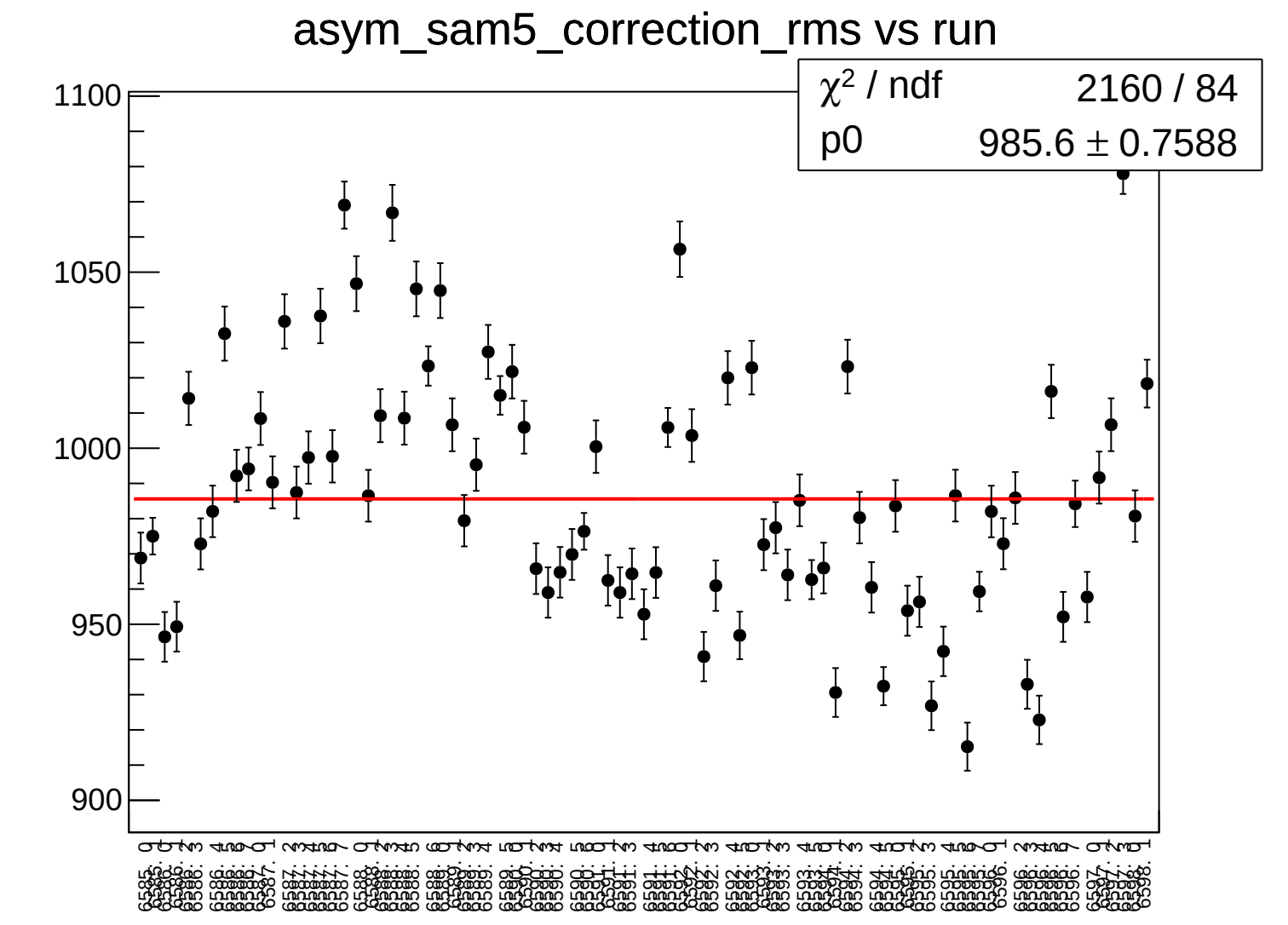

dit_asym_sam5_mean vs run
χ² / ndf 65.22 / 84
p0 −155.6 ± 165
4000
2000
0
−2000
−4000
−6000
pull
Entries 85
Mean −1225
Std Dev 1292
1.5
1
0.5
0
−0.5
−1
−1.5
−2

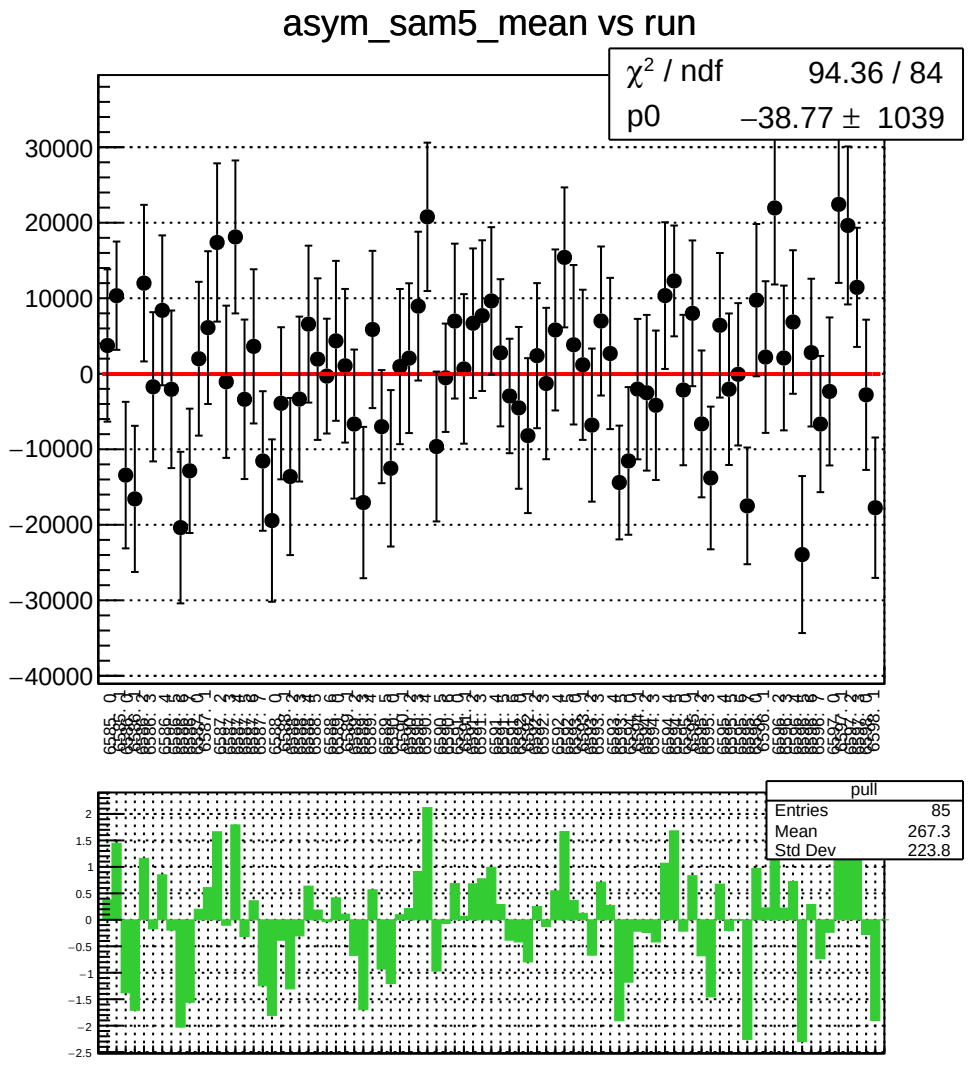

pull1D
Entries 85
Mean −0.00158
Std Dev 0.8759
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

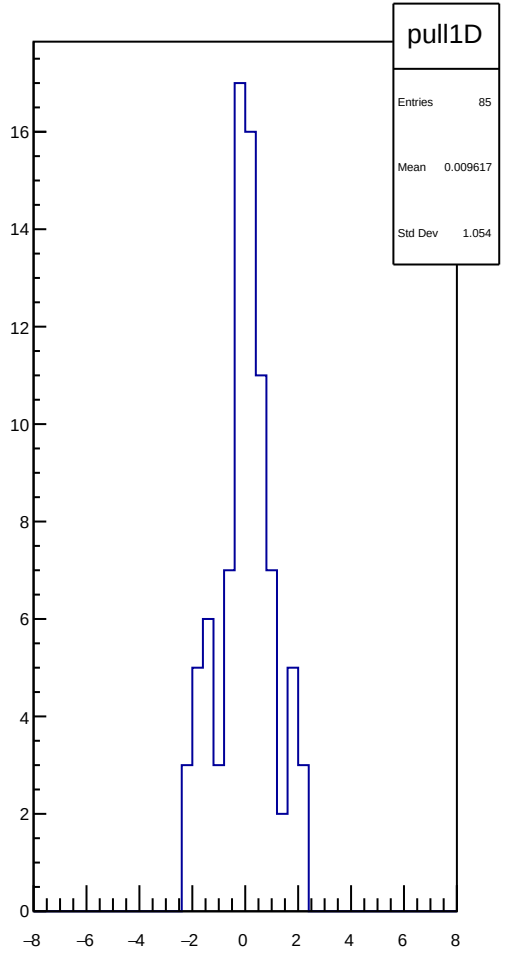

dit_asym_sam5_rms vs run
χ² / ndf 1351 / 84
p0 151.5 ± 0.1166
170
165
160
155
150
145

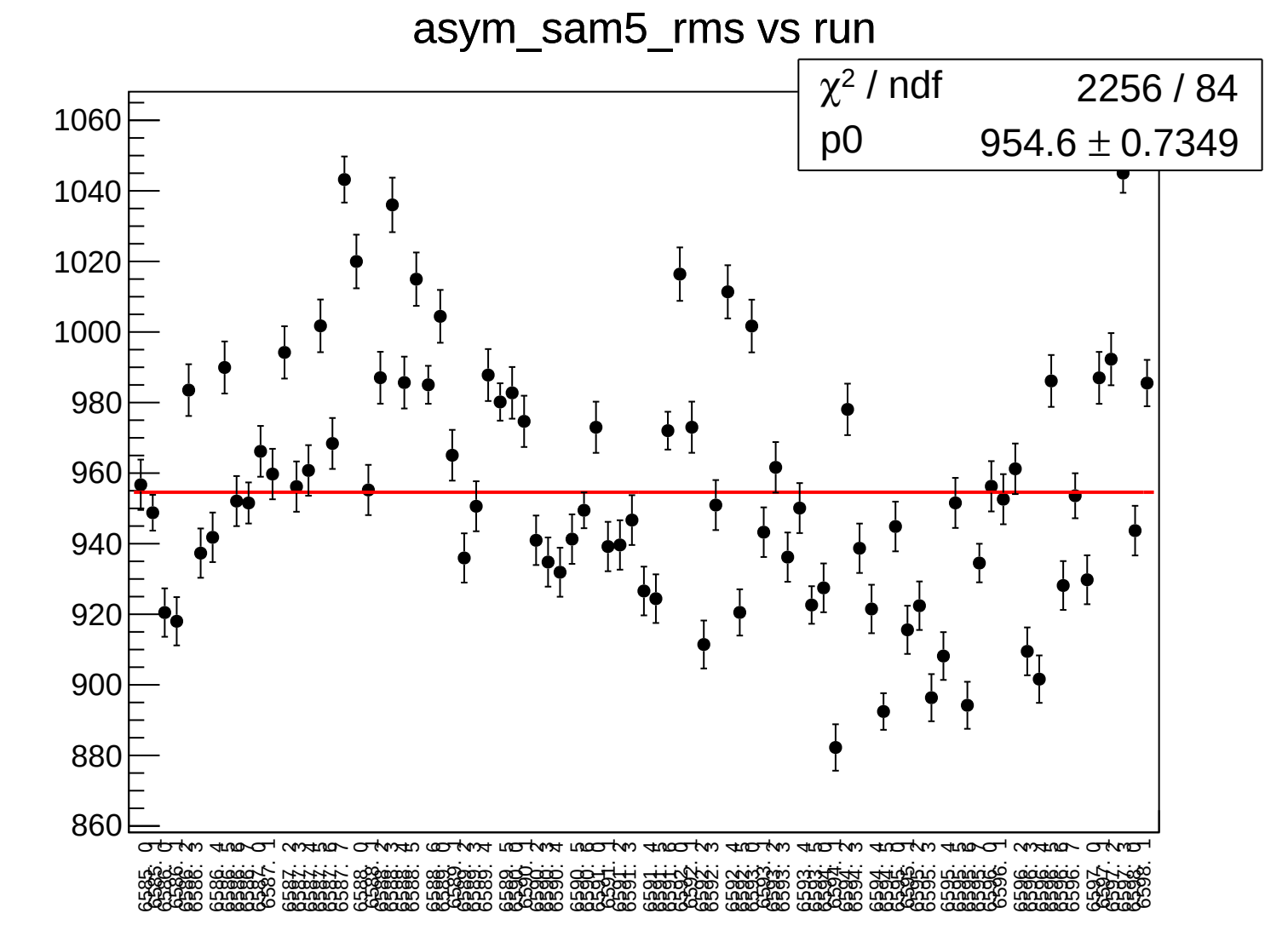

asym_sam5_correction_mean vs run
χ² / ndf 94.9 / 84
p0 −169.7 ± 1073
pull
Entries 85
Mean 308.9
Std Dev 269.4

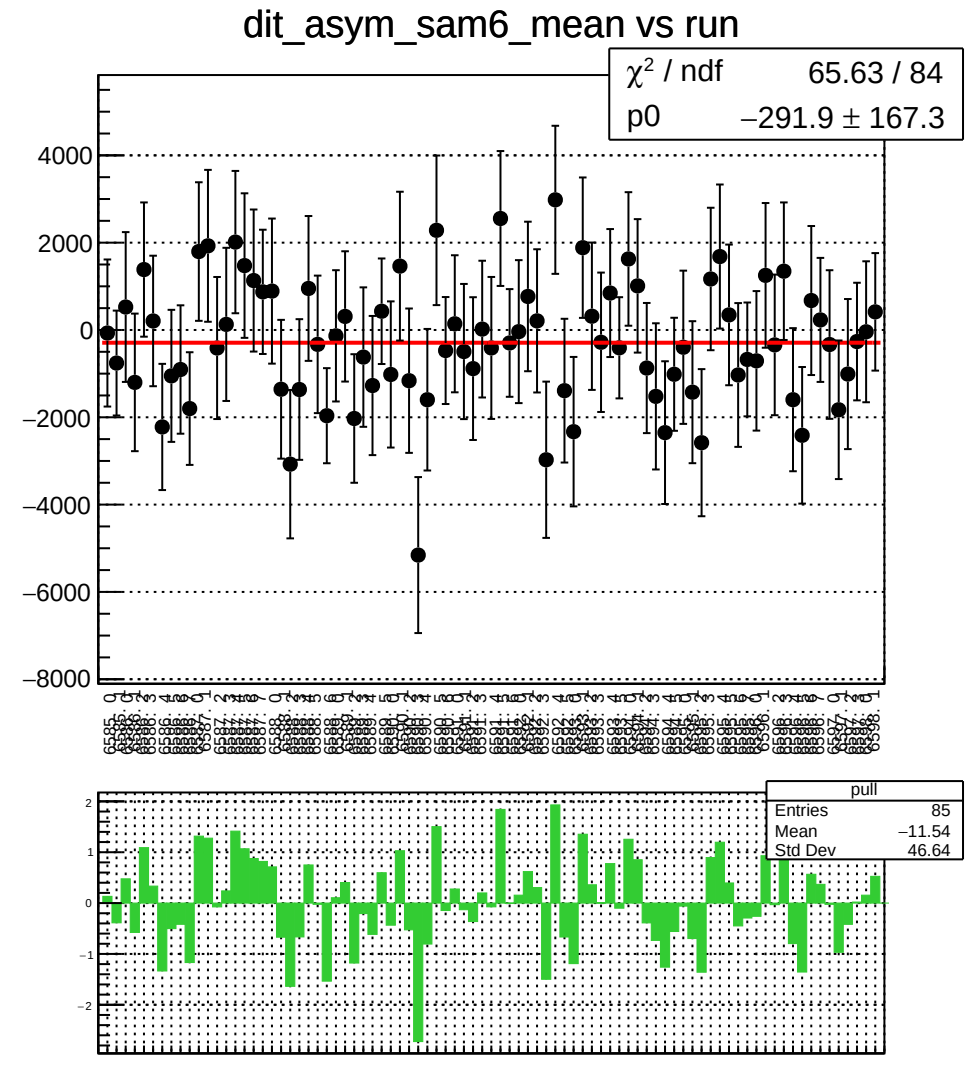

pull1D
Entries 85
Mean −0.006935
Std Dev 1.057

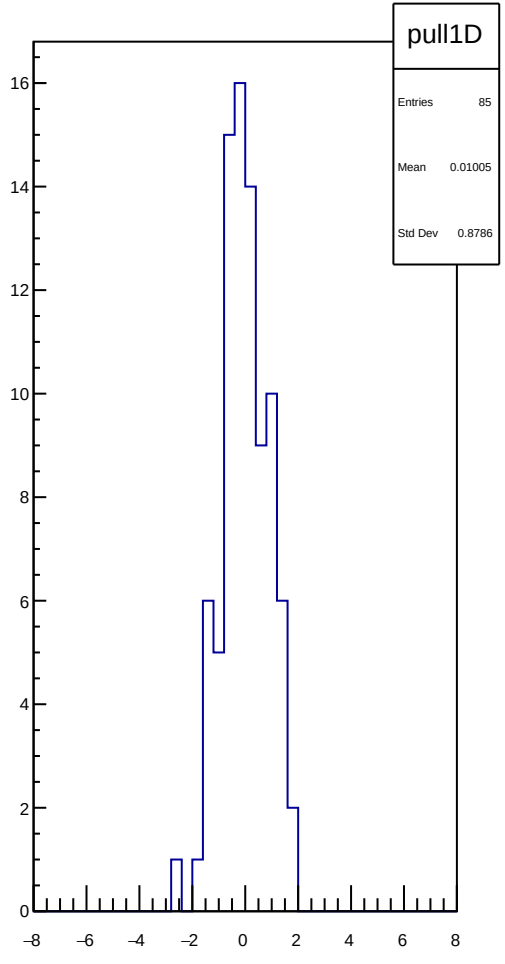

asym_sam5_correction_rms vs run
χ² / ndf 2160 / 84
p0 985.6 ± 0.7588
1100
1050
1000
950
900

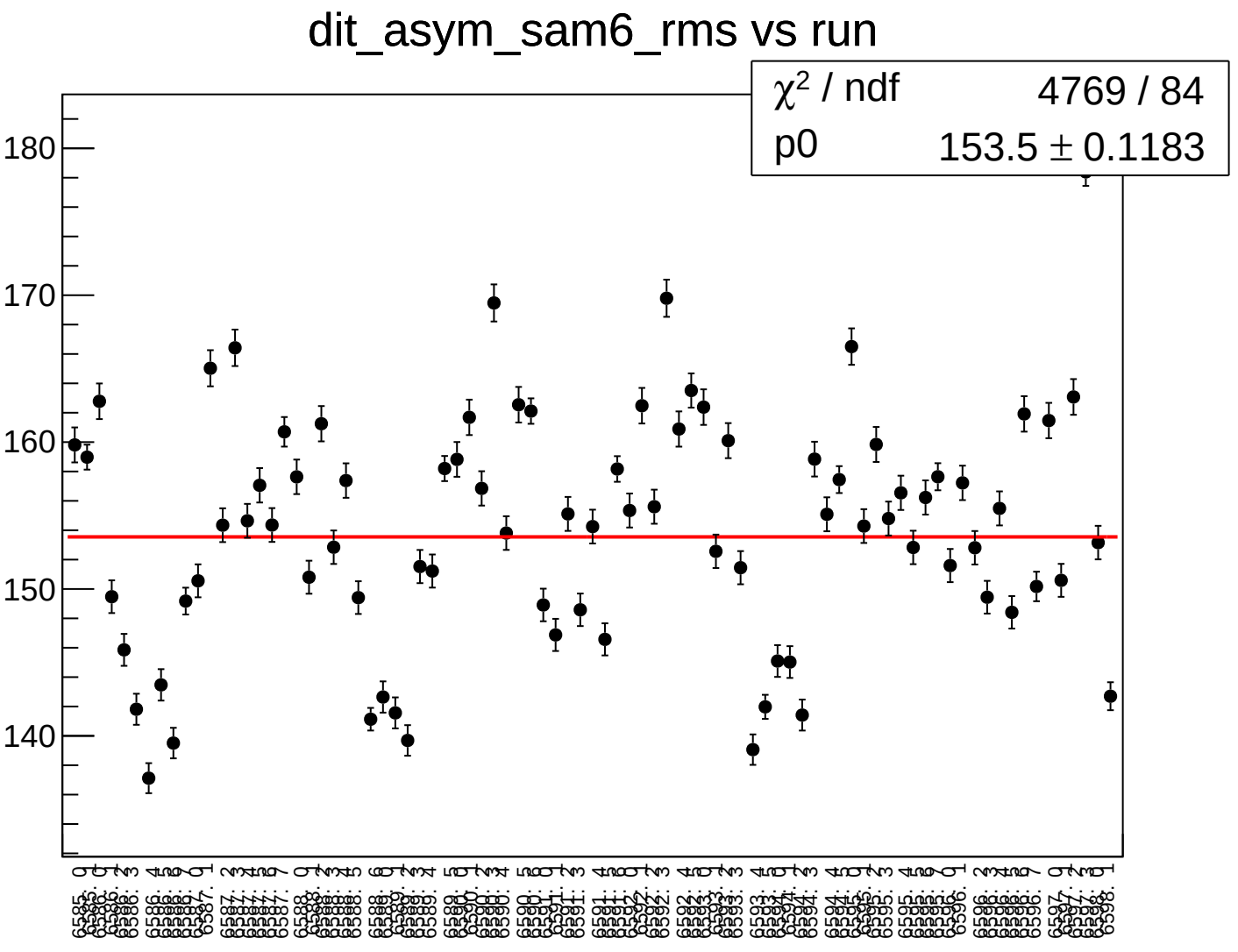

asym_sam5_mean vs run
χ² / ndf 94.36 / 84
p0 −38.77 ± 1039
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean 267.3
Std Dev 223.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

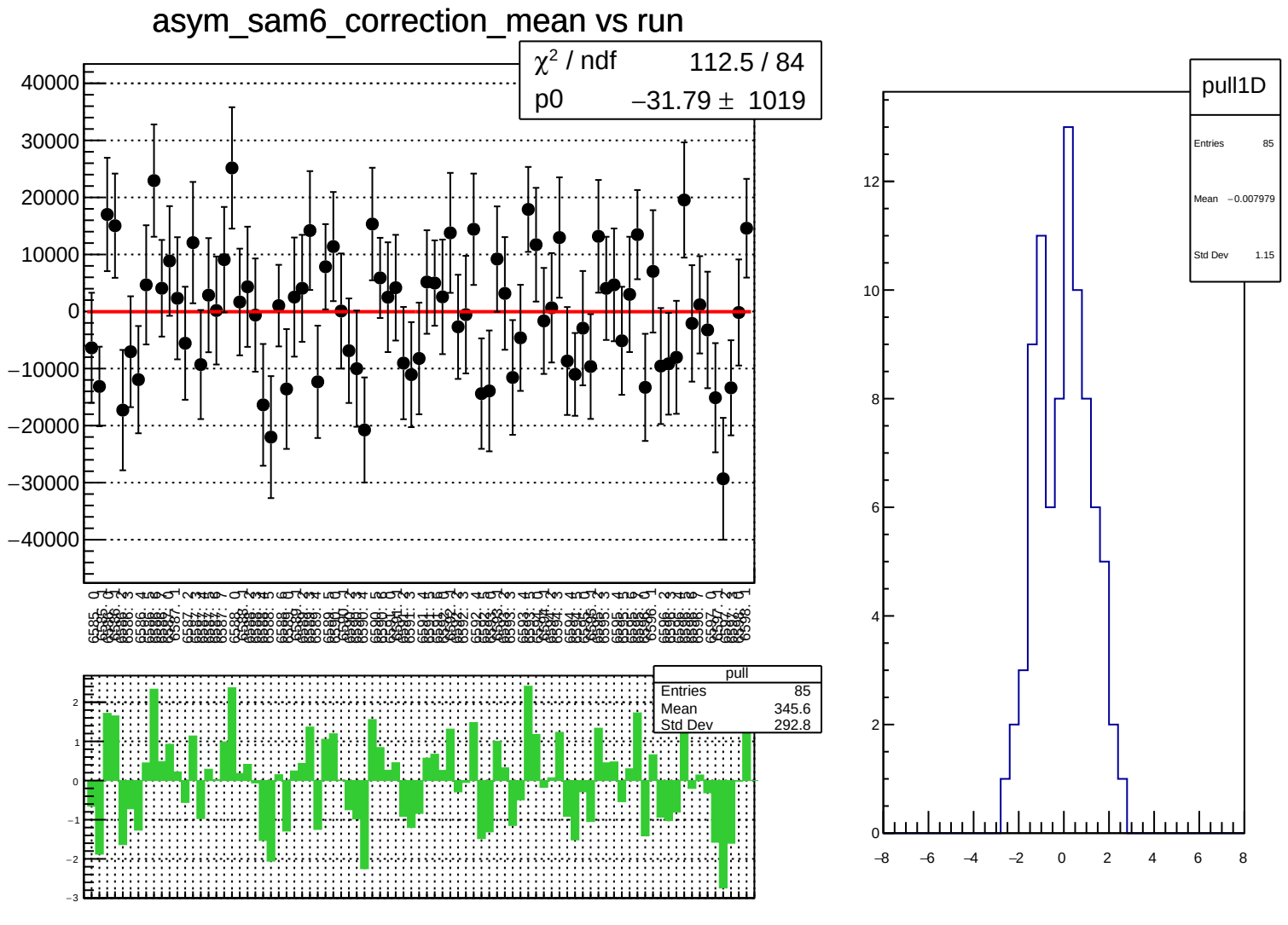

pull1D
Entries 85
Mean 0.009617
Std Dev 1.054
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

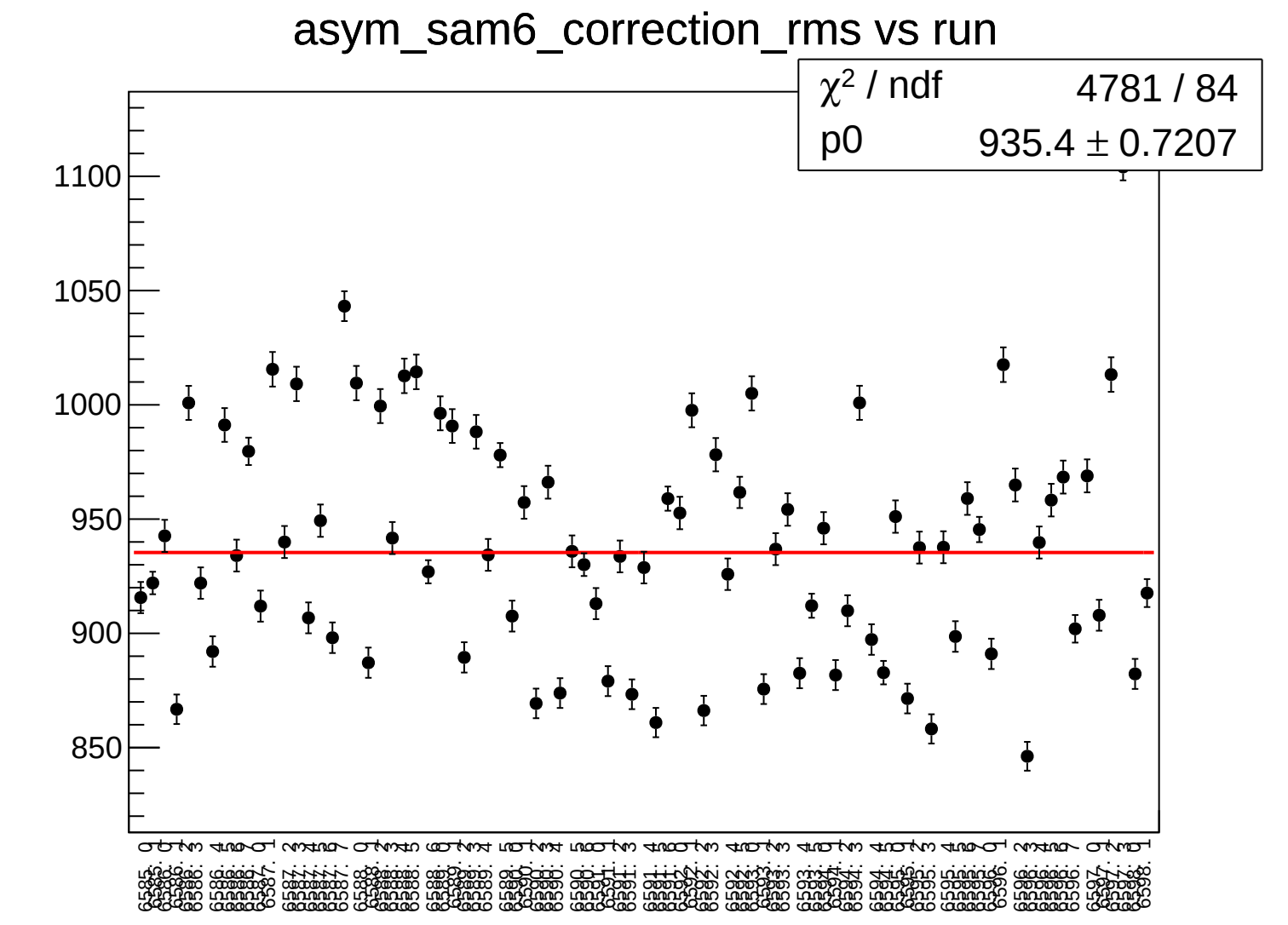

asym_sam5_rms vs run
χ² / ndf 2256 / 84
p0 954.6 ± 0.7349
1060
1040
1020
1000
980
960
940
920
900
880
860

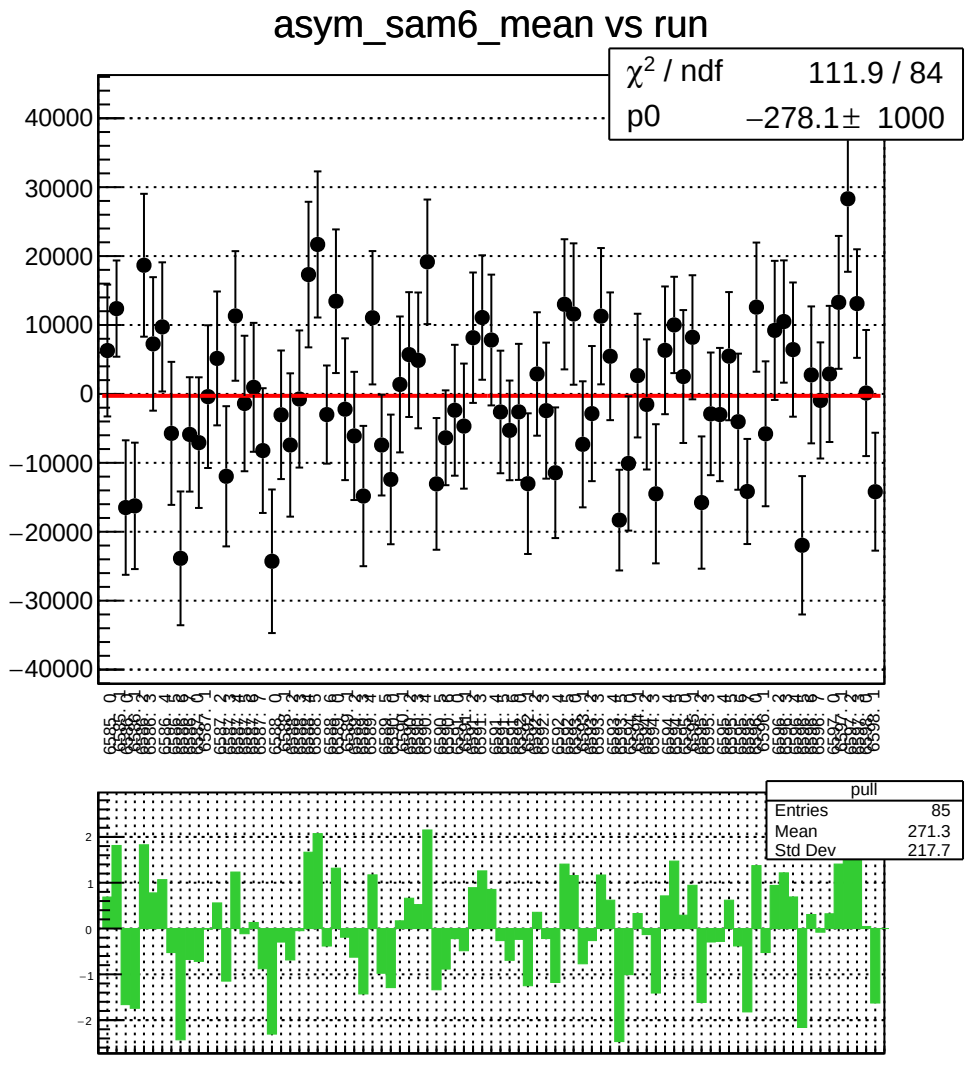

dit_asym_sam6_mean vs run
χ² / ndf 65.63 / 84
p0 −291.9 ± 167.3
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 85
Mean −11.54
Std Dev 46.64
2
1
0
−1
−2

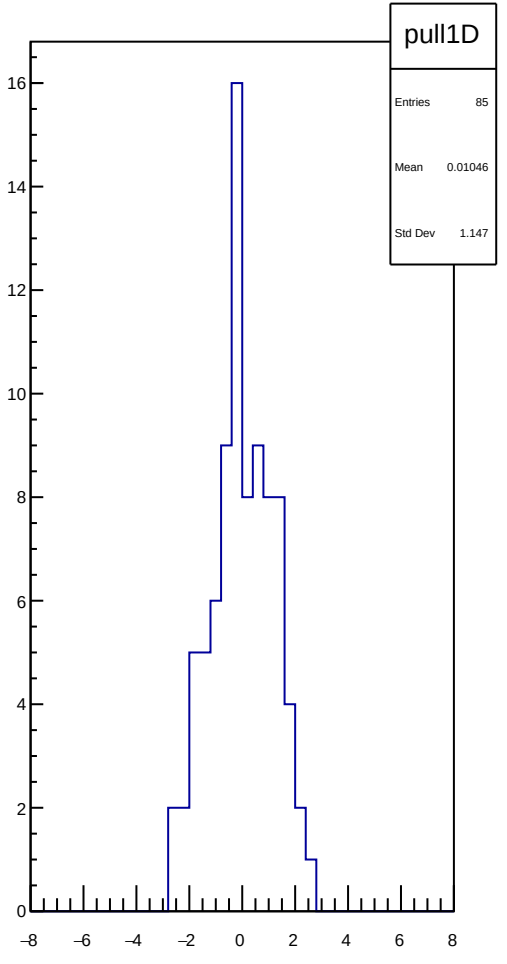

pull1D
Entries 85
Mean 0.01005
Std Dev 0.8786
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

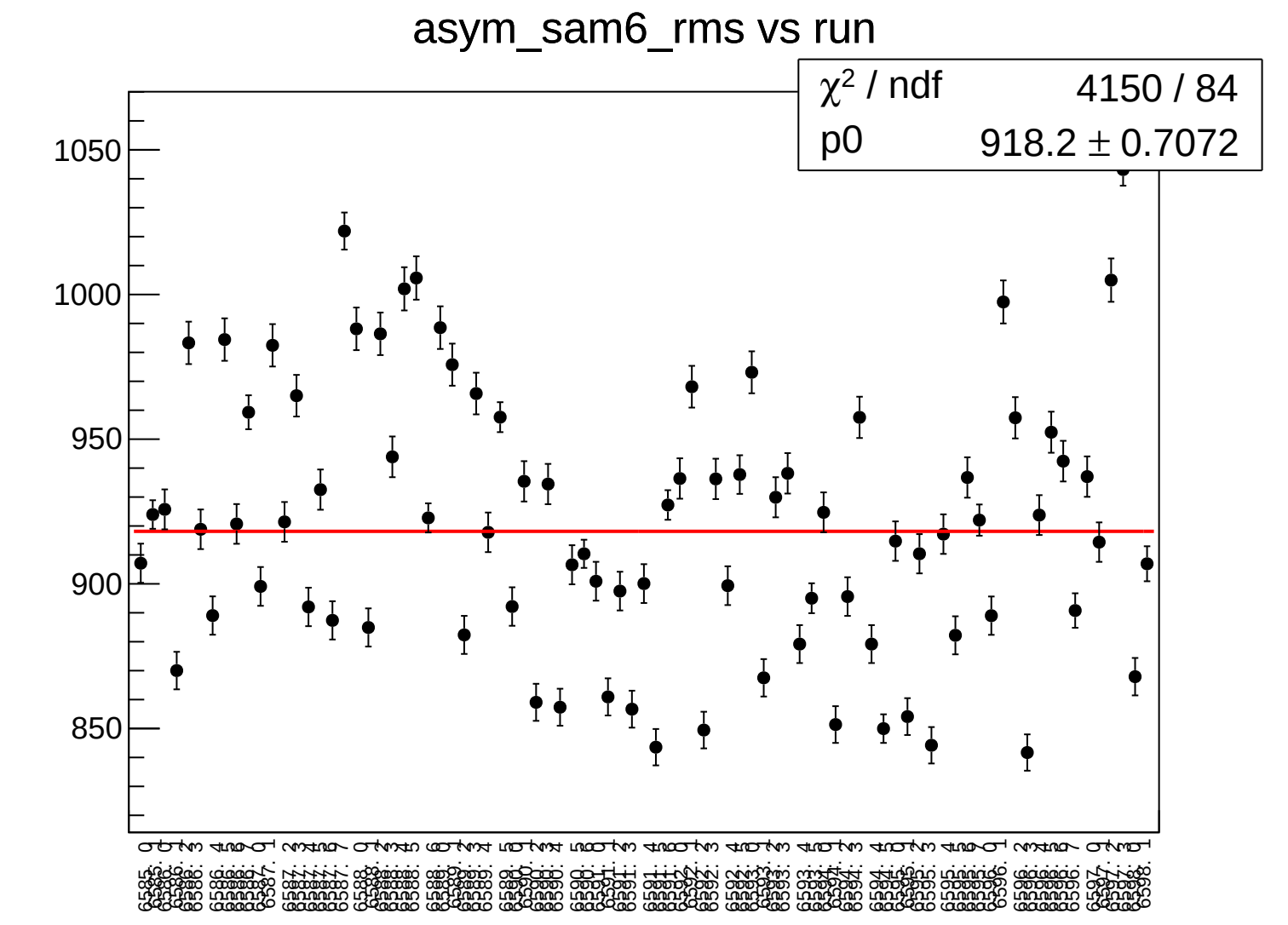

dit_asym_sam6_rms vs run
χ² / ndf 4769 / 84
p0 153.5 ± 0.1183
180
170
160
150
140

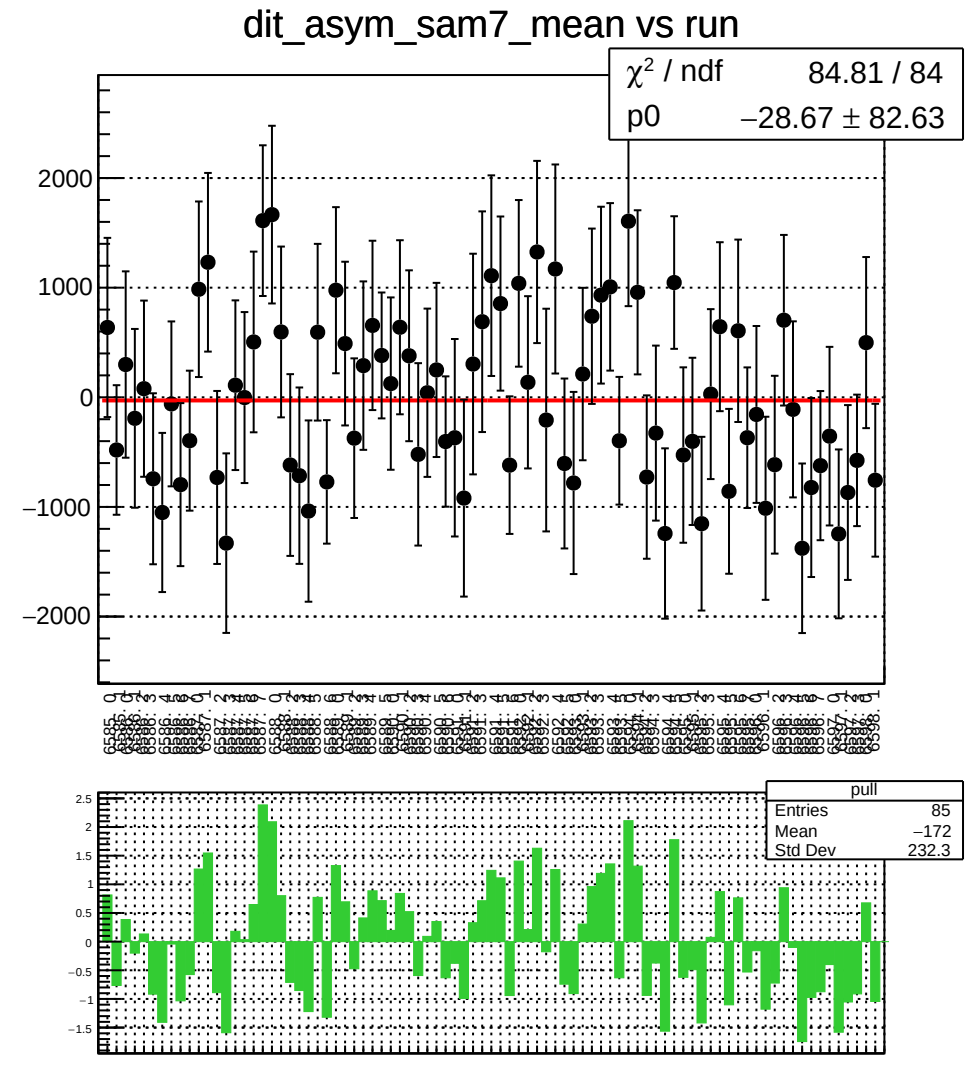

asym_sam6_correction_mean vs run
χ² / ndf 112.5 / 84
p0 −31.79 ± 1019
pull
Entries 85
Mean 345.6
Std Dev 292.8
pull1D
Entries 85
Mean −0.007979
Std Dev 1.15

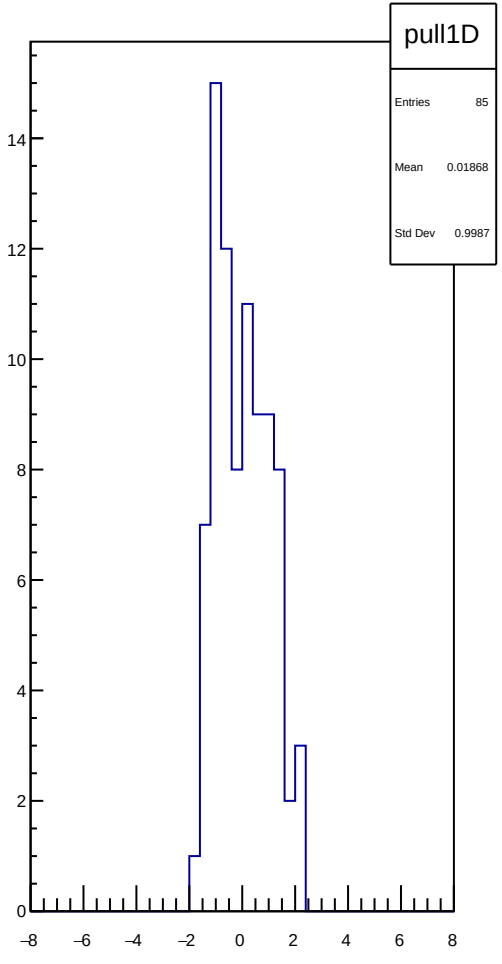

asym_sam6_correction_rms vs run
χ² / ndf 4781 / 84
p0 935.4 ± 0.7207
1100
1050
1000
950
900
850

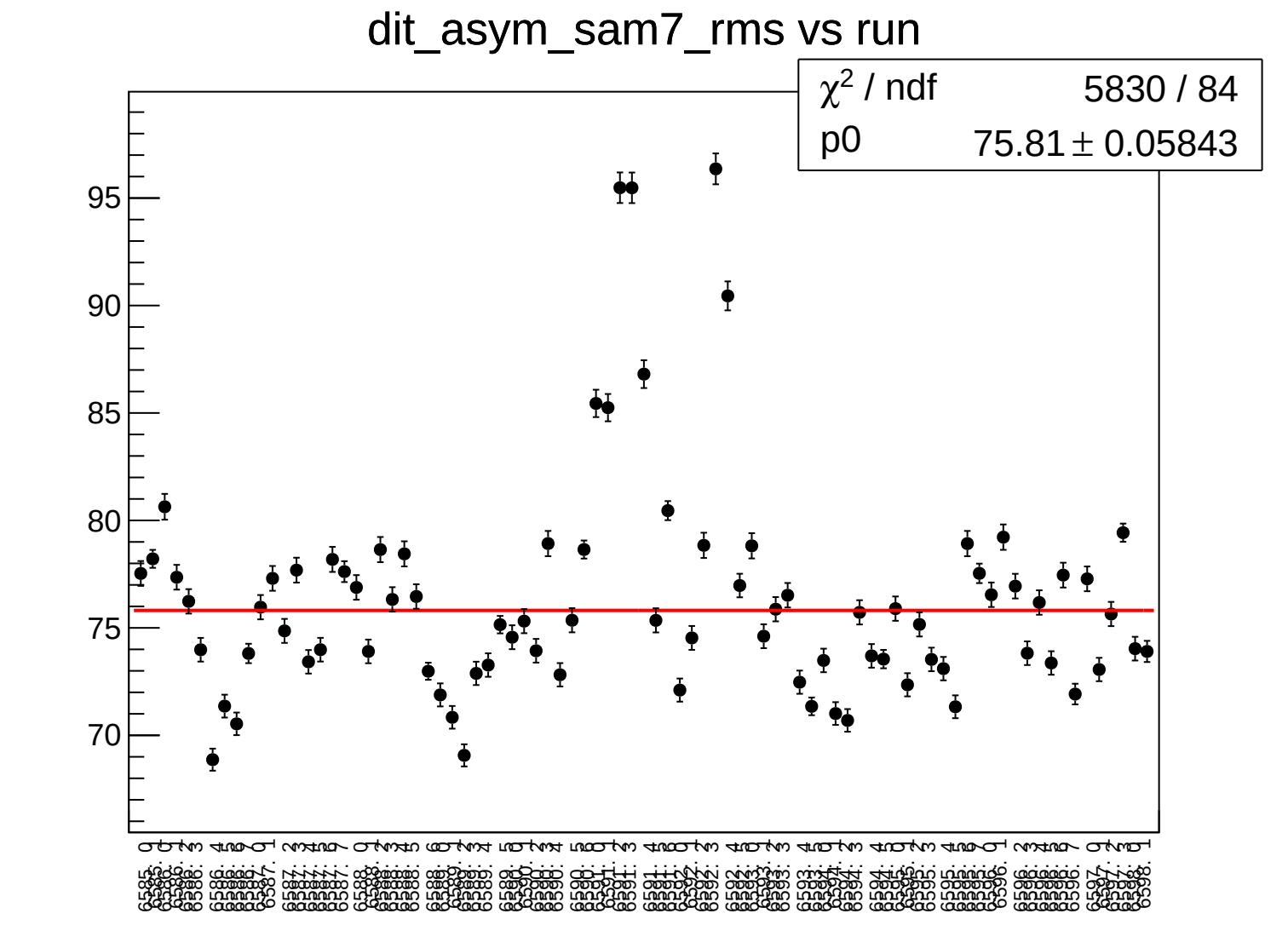

asym_sam6_mean vs run
χ² / ndf 111.9 / 84
p0 −278.1± 1000
pull
Entries 85
Mean 271.3
Std Dev 217.7

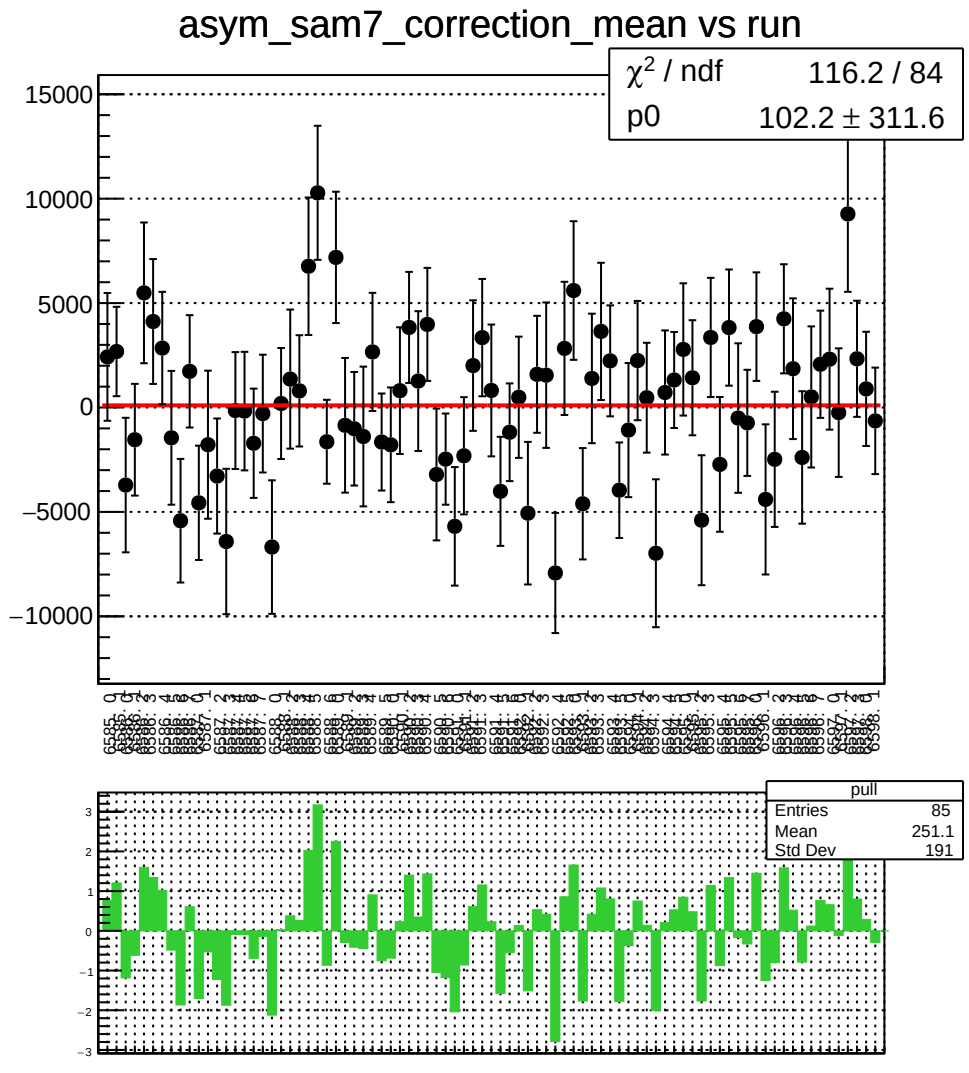

pull1D
Entries 85
Mean 0.01046
Std Dev 1.147

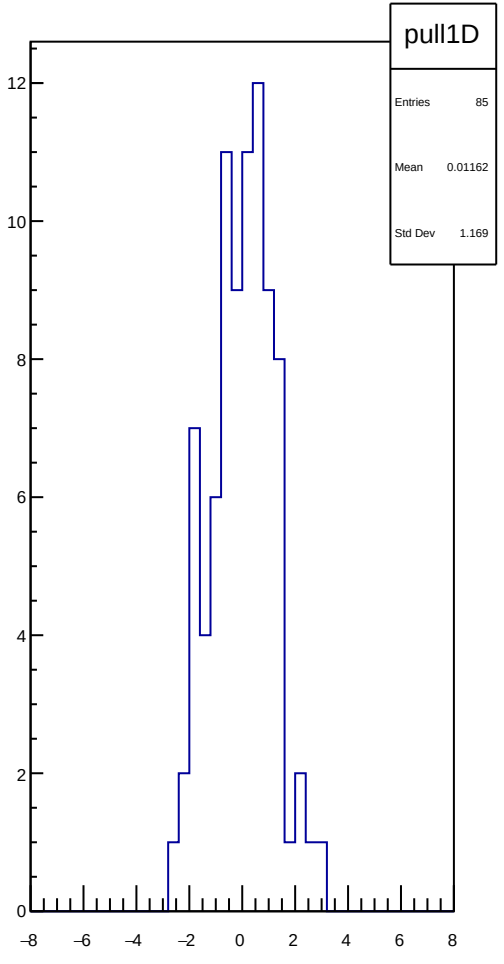

asym_sam6_rms vs run
χ² / ndf 4150 / 84
p0 918.2 ± 0.7072
1050
1000
950
900
850

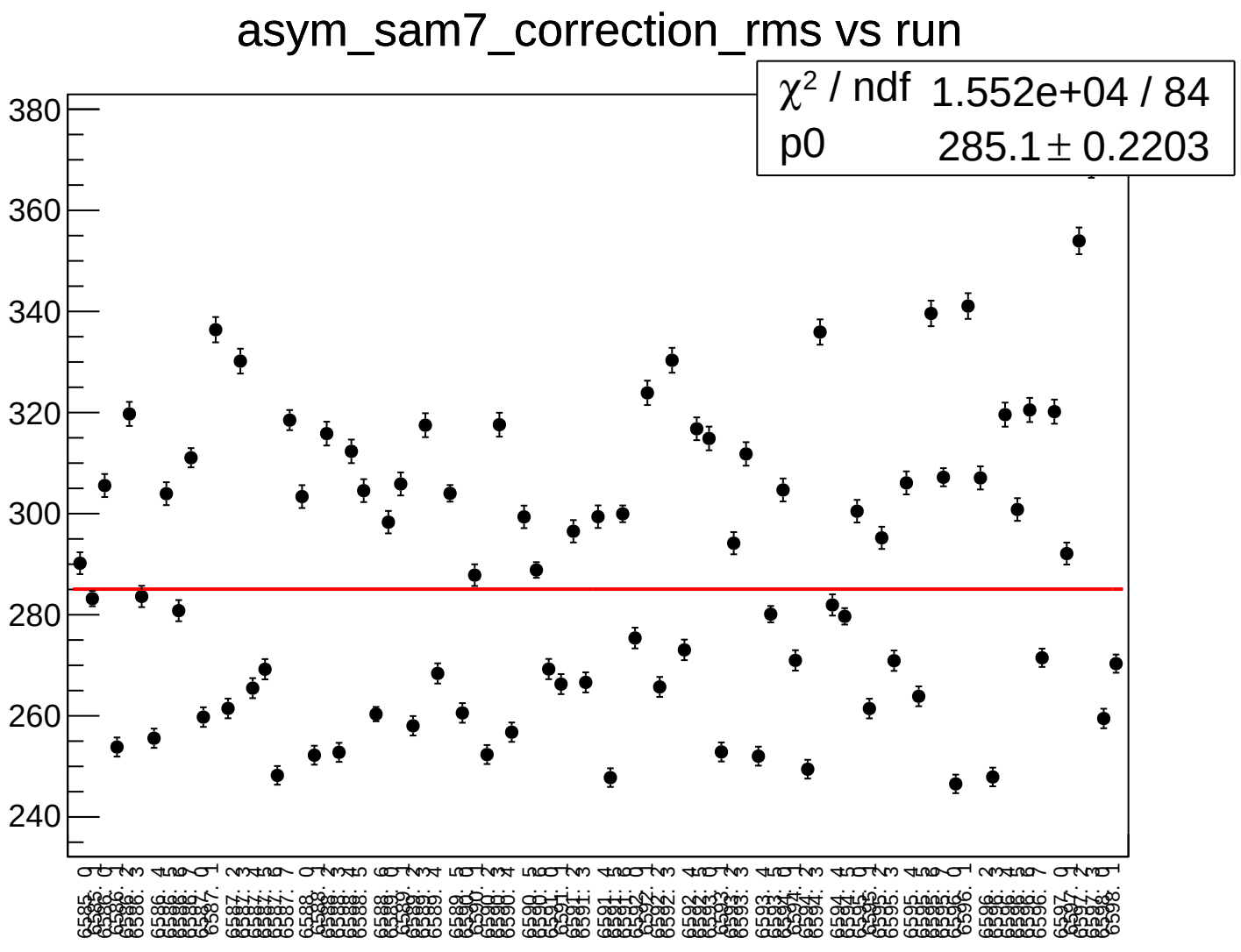

dit_asym_sam7_mean vs run
χ² / ndf 84.81 / 84
p0 −28.67 ± 82.63
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −172
Std Dev 232.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

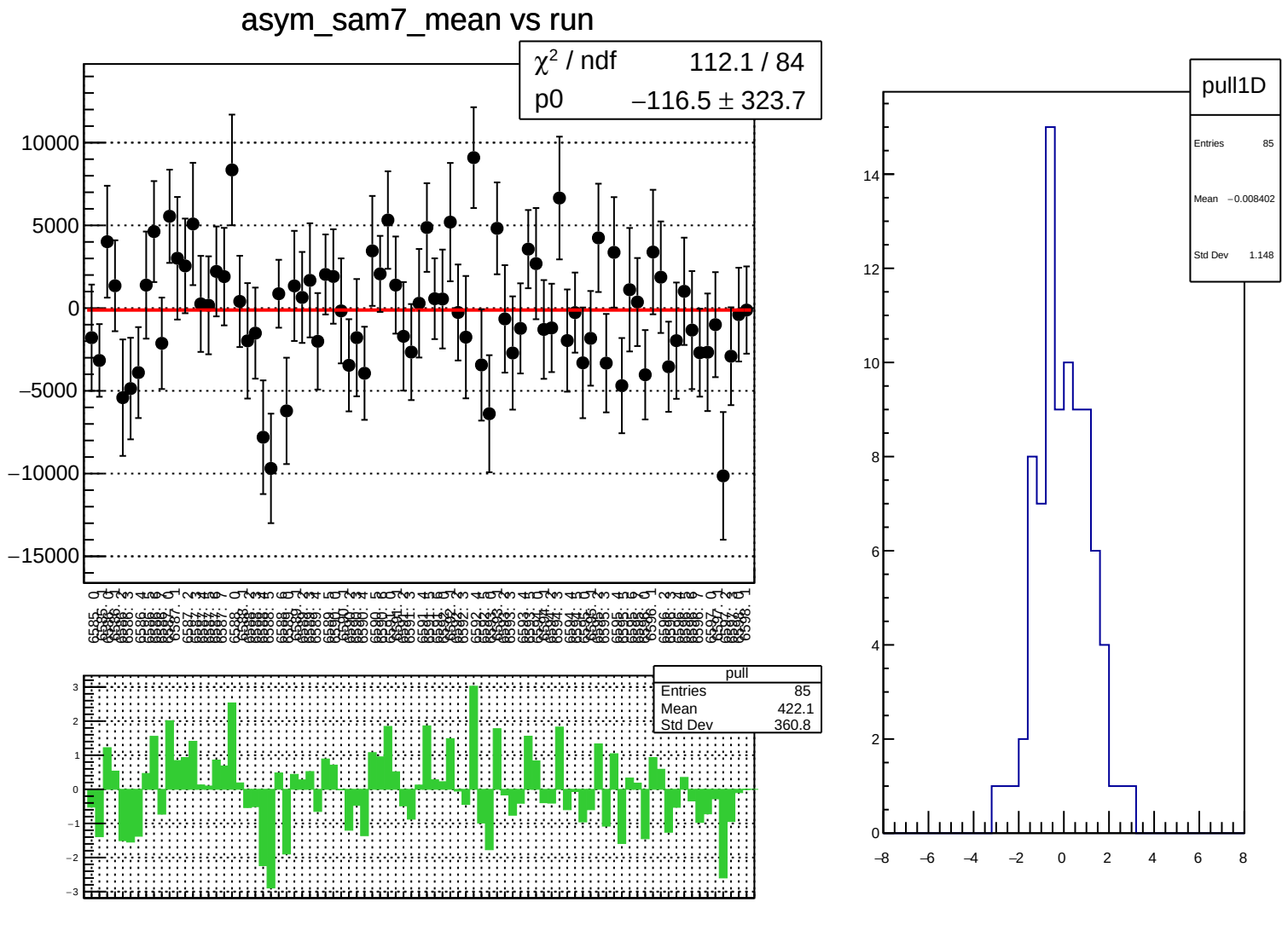

pull1D
Entries 85
Mean 0.01868
Std Dev 0.9987
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

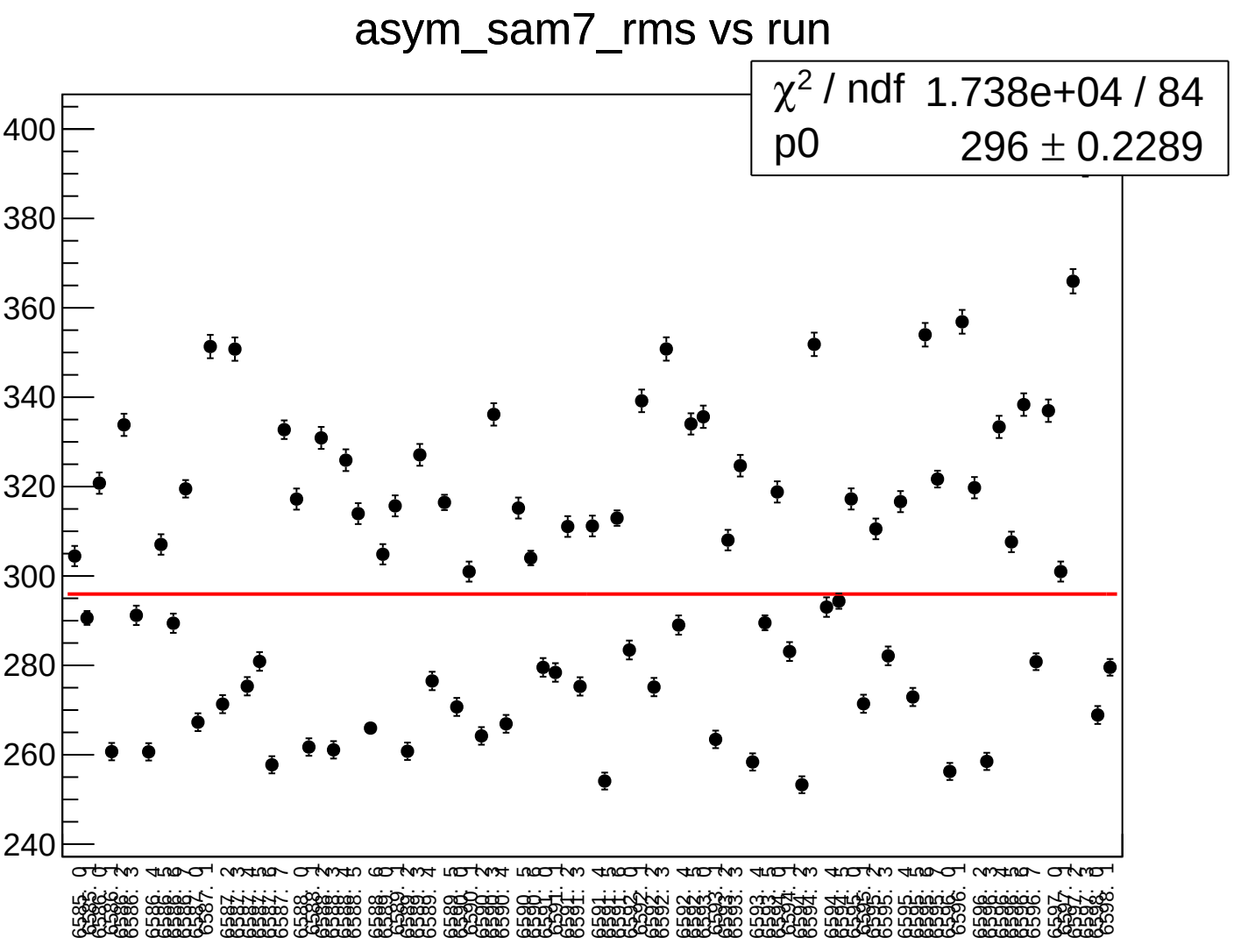

dit_asym_sam7_rms vs run
χ^2 / ndf 5830 / 84
p0 75.81 ± 0.05843
95
90
85
80
75
70

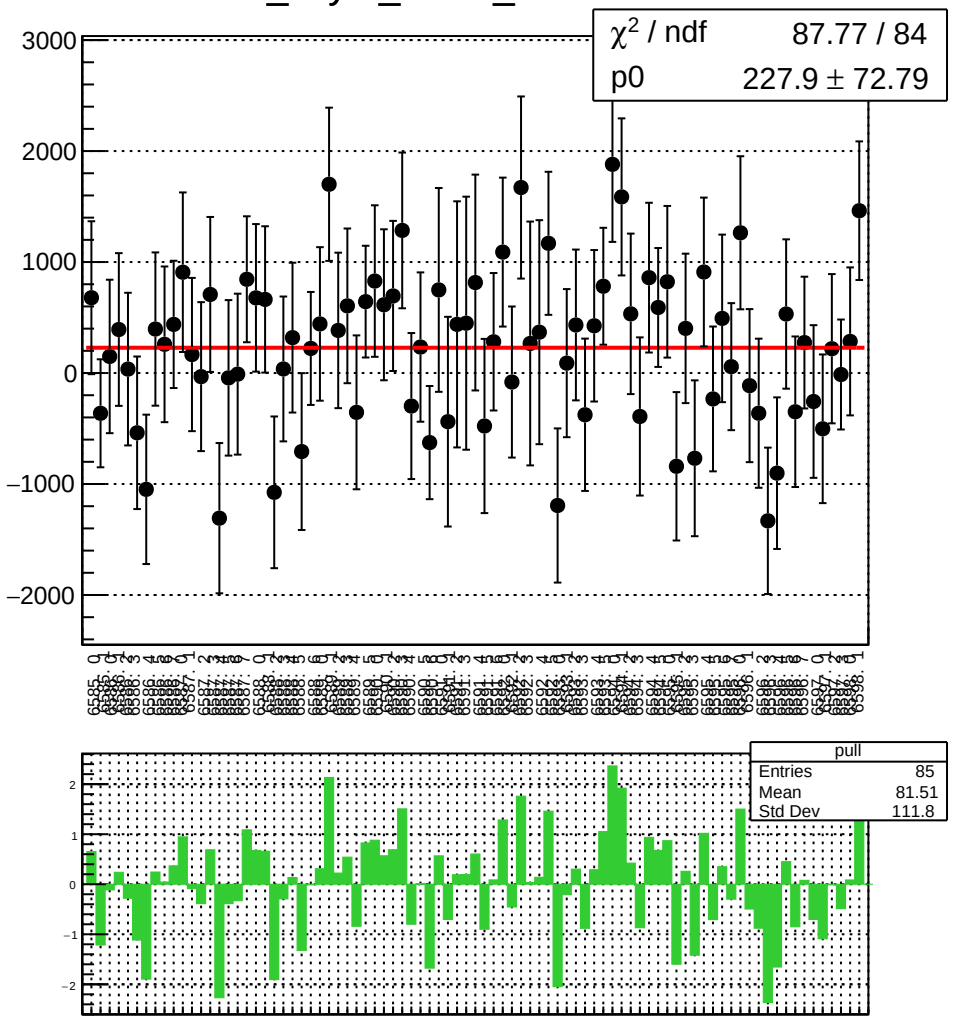

asym_sam7_correction_mean vs run
χ² / ndf 116.2 / 84
p0 102.2 ± 311.6
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 251.1
Std Dev 191
3
2
1
0
−1
−2
−3

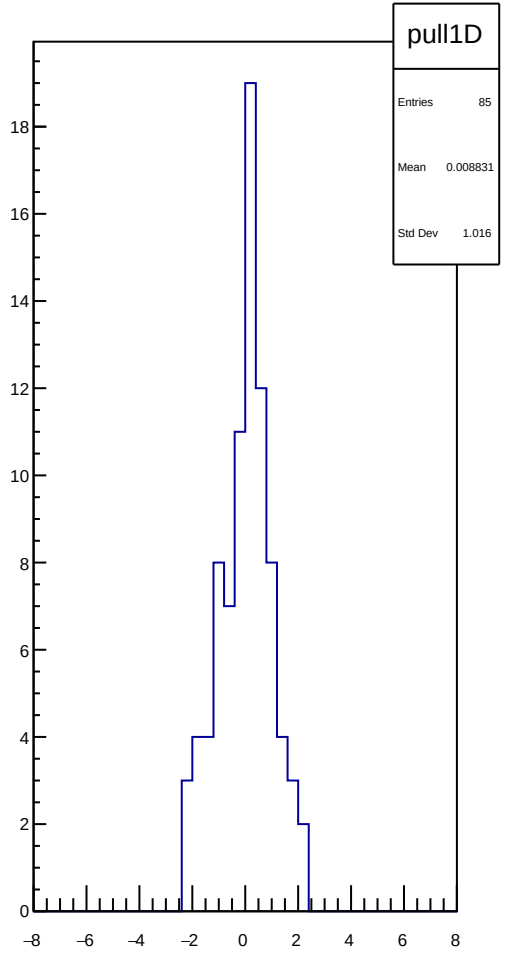

pull1D
Entries 85
Mean 0.01162
Std Dev 1.169
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

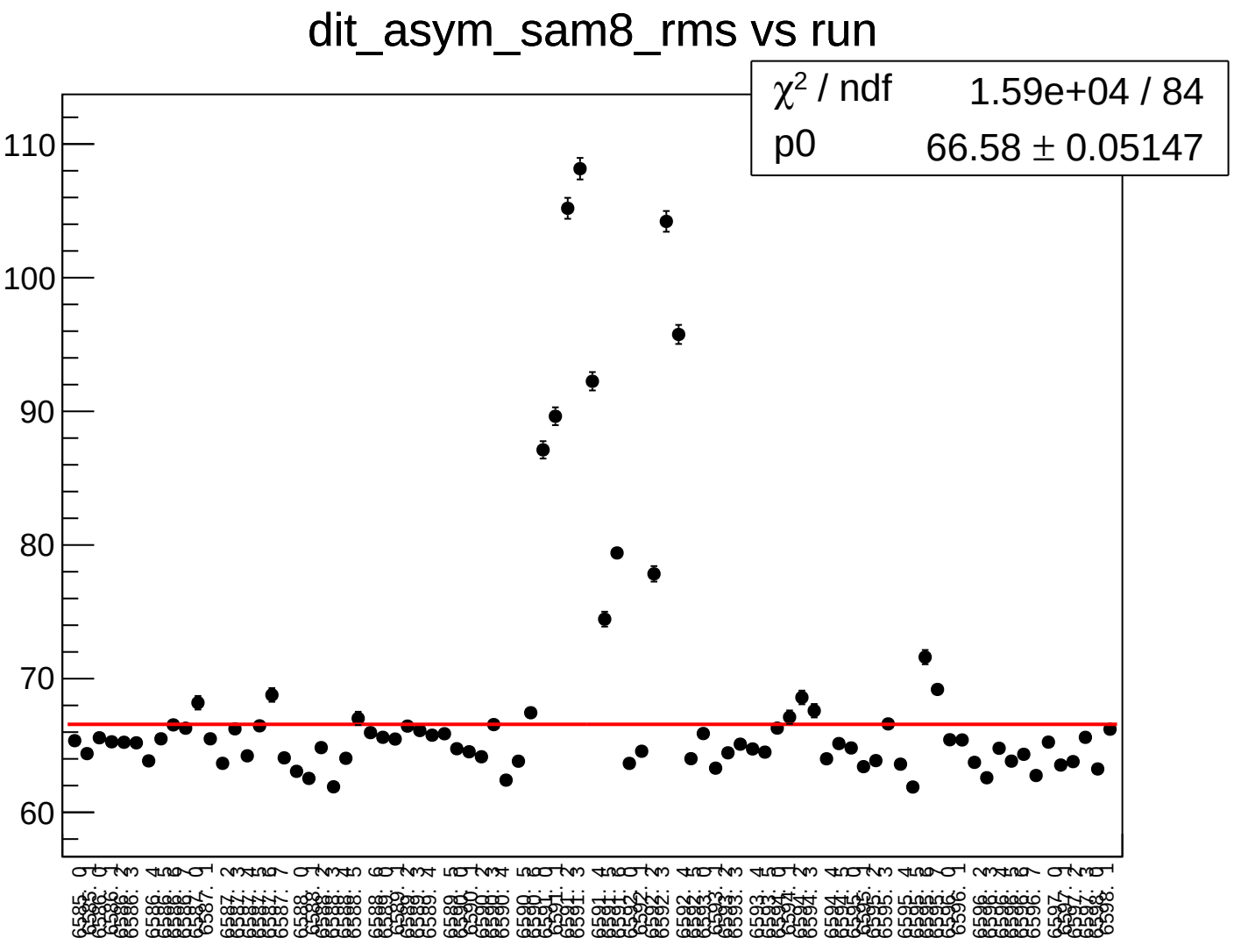

asym_sam7_correction_rms vs run
χ² / ndf 1.552e+04 / 84
p0 285.1 ± 0.2203
380
360
340
320
300
280
260
240

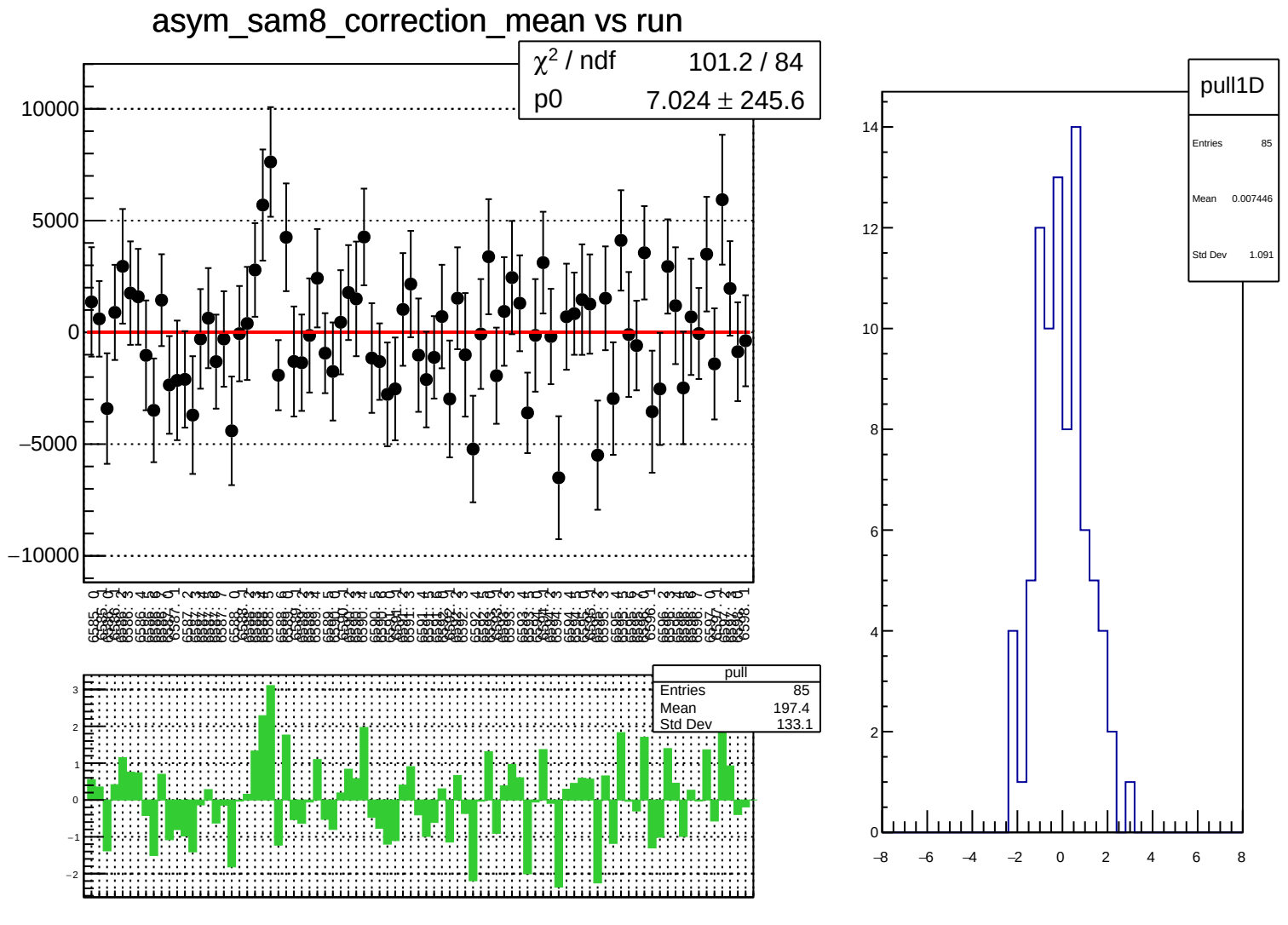

asym_sam7_mean vs run
χ² / ndf 112.1 / 84
p0 −116.5 ± 323.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 422.1
Std Dev 360.8
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.008402
Std Dev 1.148
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

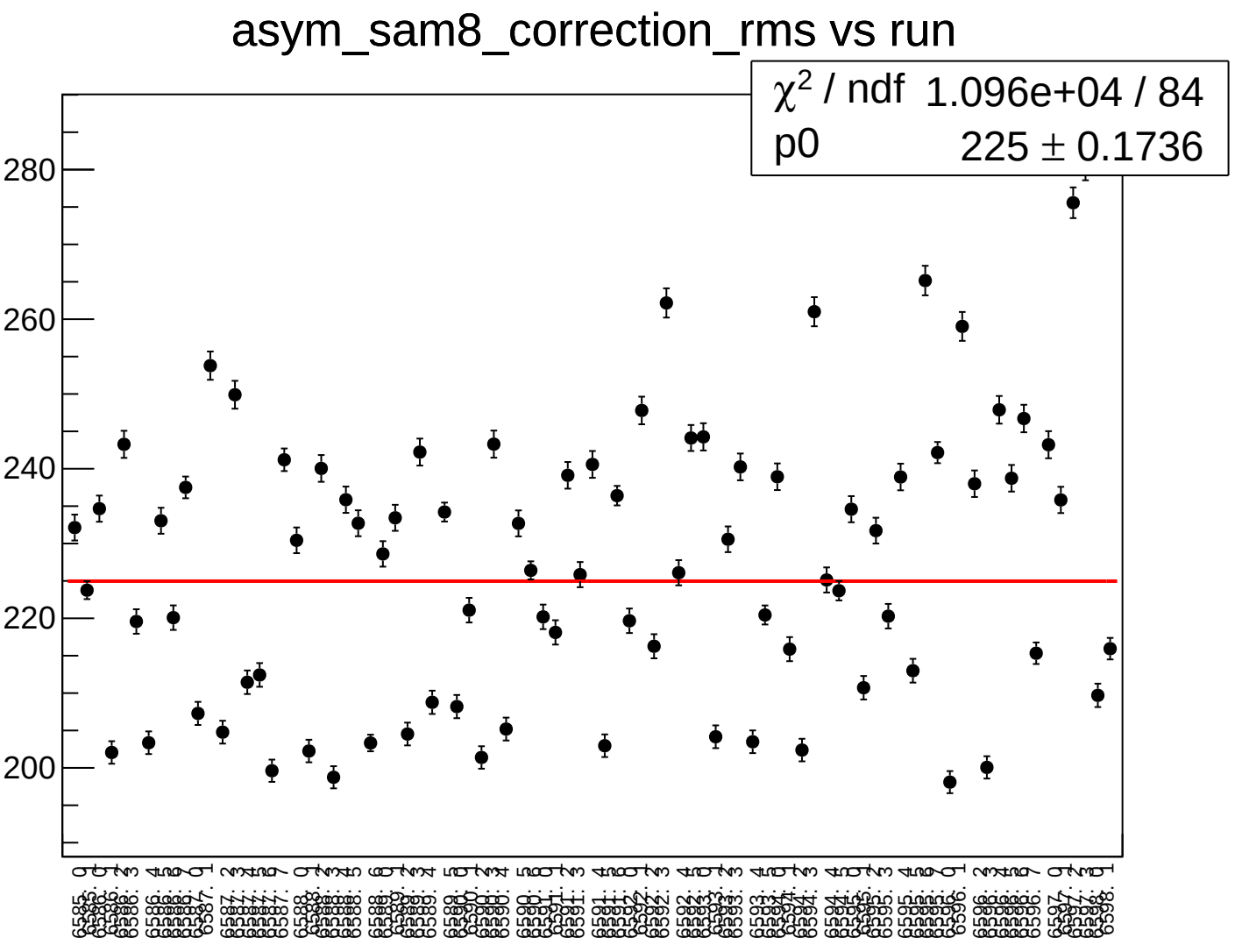

asym_sam7_rms vs run
χ² / ndf 1.738e+04 / 84
p0 296 ± 0.2289
400
380
360
340
320
300
280
260
240

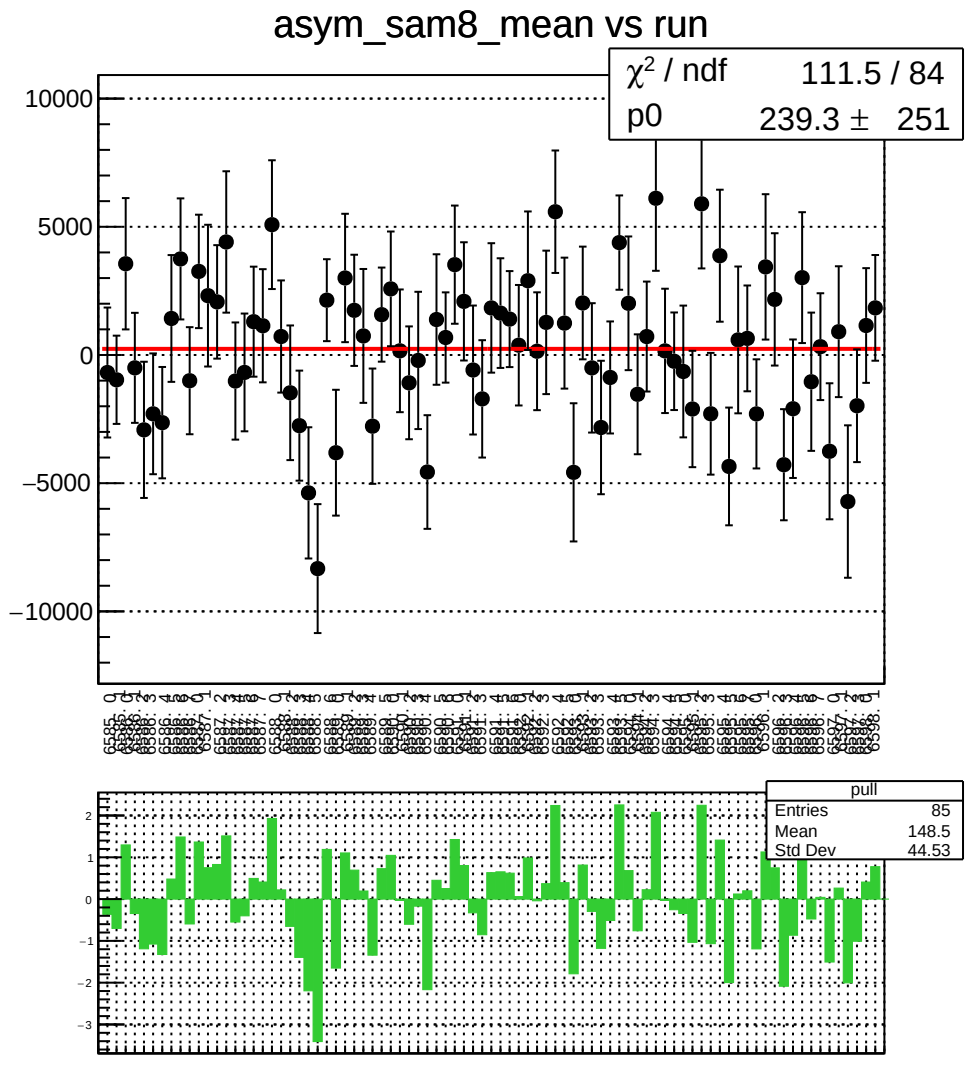

dit_asym_sam8_mean vs run
χ^2 / ndf 87.77 / 84
p0 227.9 ± 72.79
3000
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 81.51
Std Dev 111.8
2
1
0
−1
−2

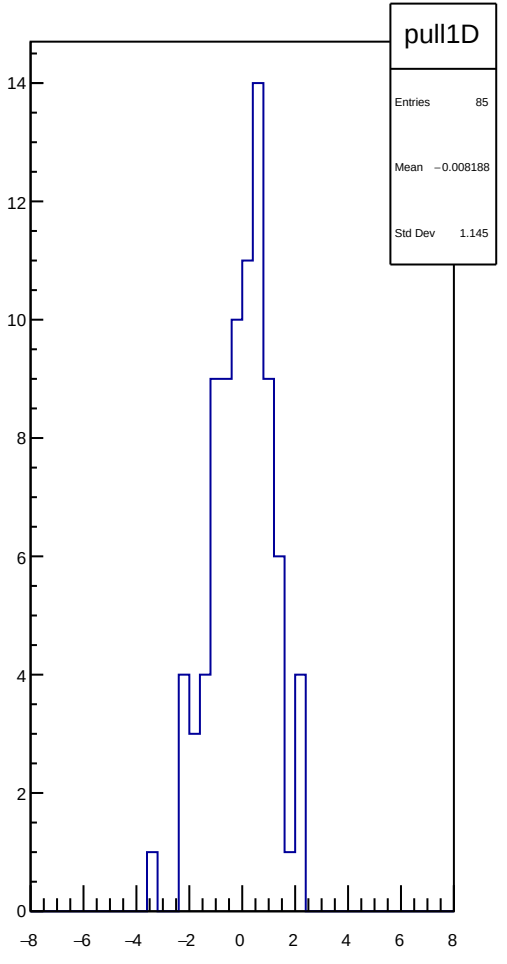

pull1D
Entries 85
Mean 0.008831
Std Dev 1.016
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

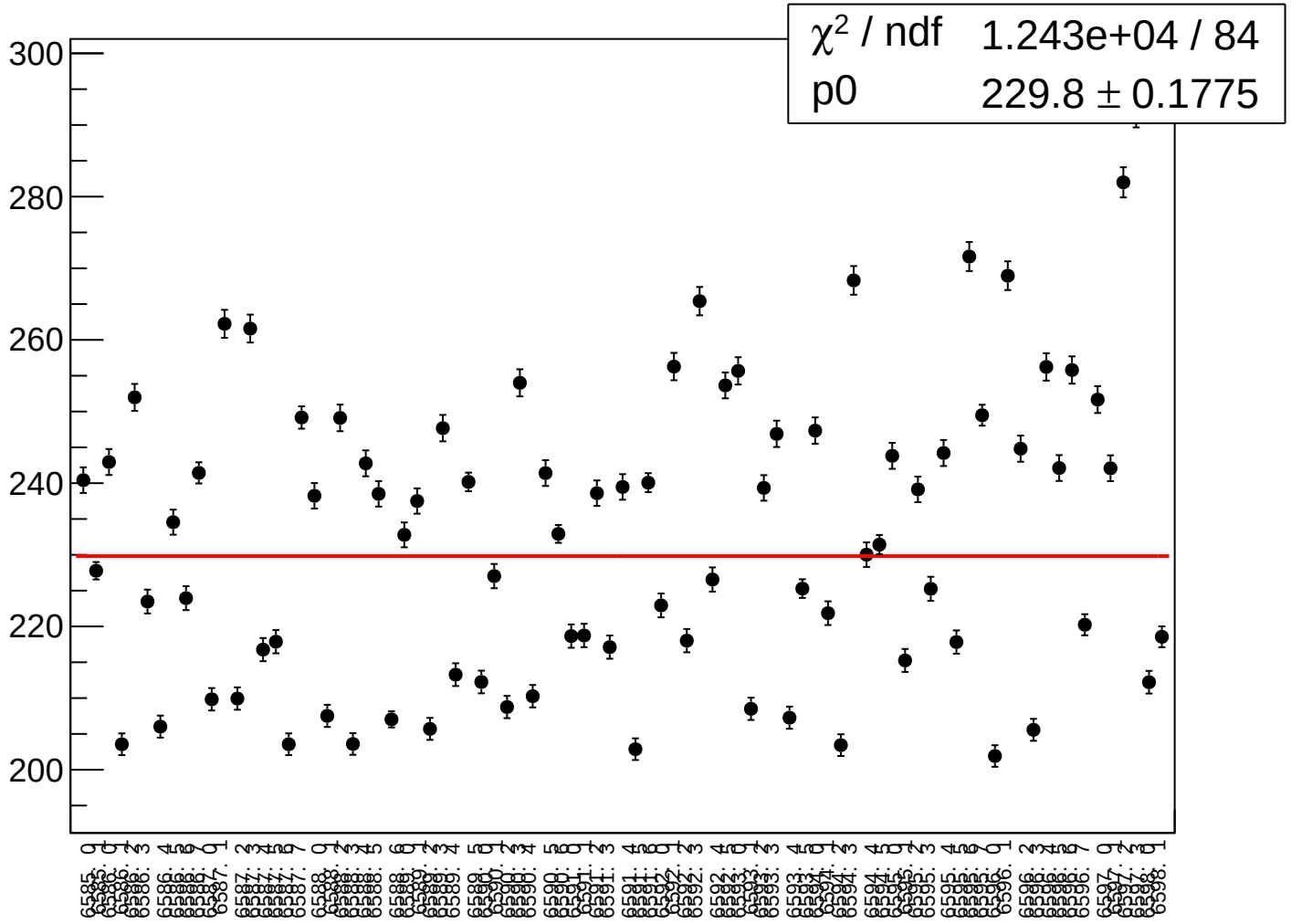

dit_asym_sam8_rms vs run
χ^2 / ndf 1.59e+04 / 84
p0 66.58 ± 0.05147
110
100
90
80
70
60

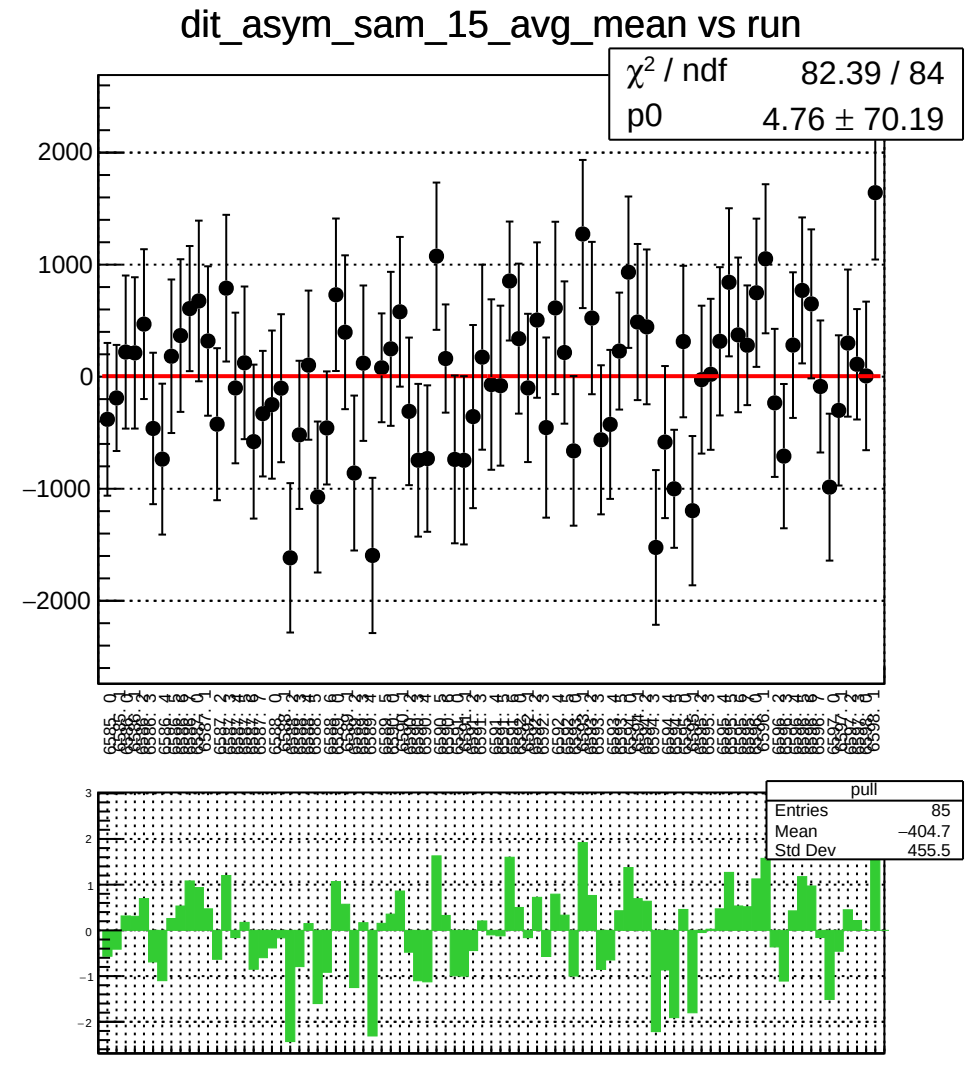

asym_sam8_correction_mean vs run
χ² / ndf 101.2 / 84
p0 7.024 ± 245.6
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 197.4
Std Dev 133.1
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.007446
Std Dev 1.091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

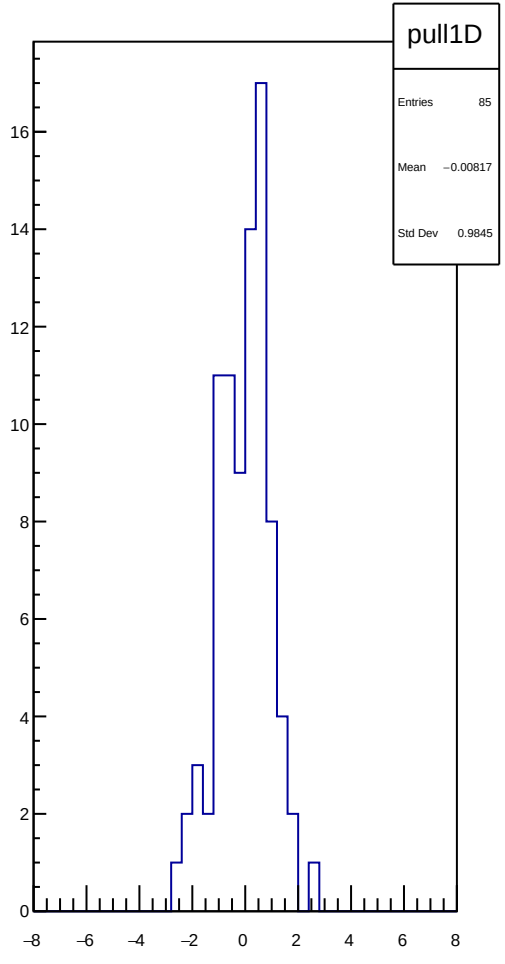

asym_sam8_correction_rms vs run
χ² / ndf 1.096e+04 / 84
p0 225 ± 0.1736
280
260
240
220
200

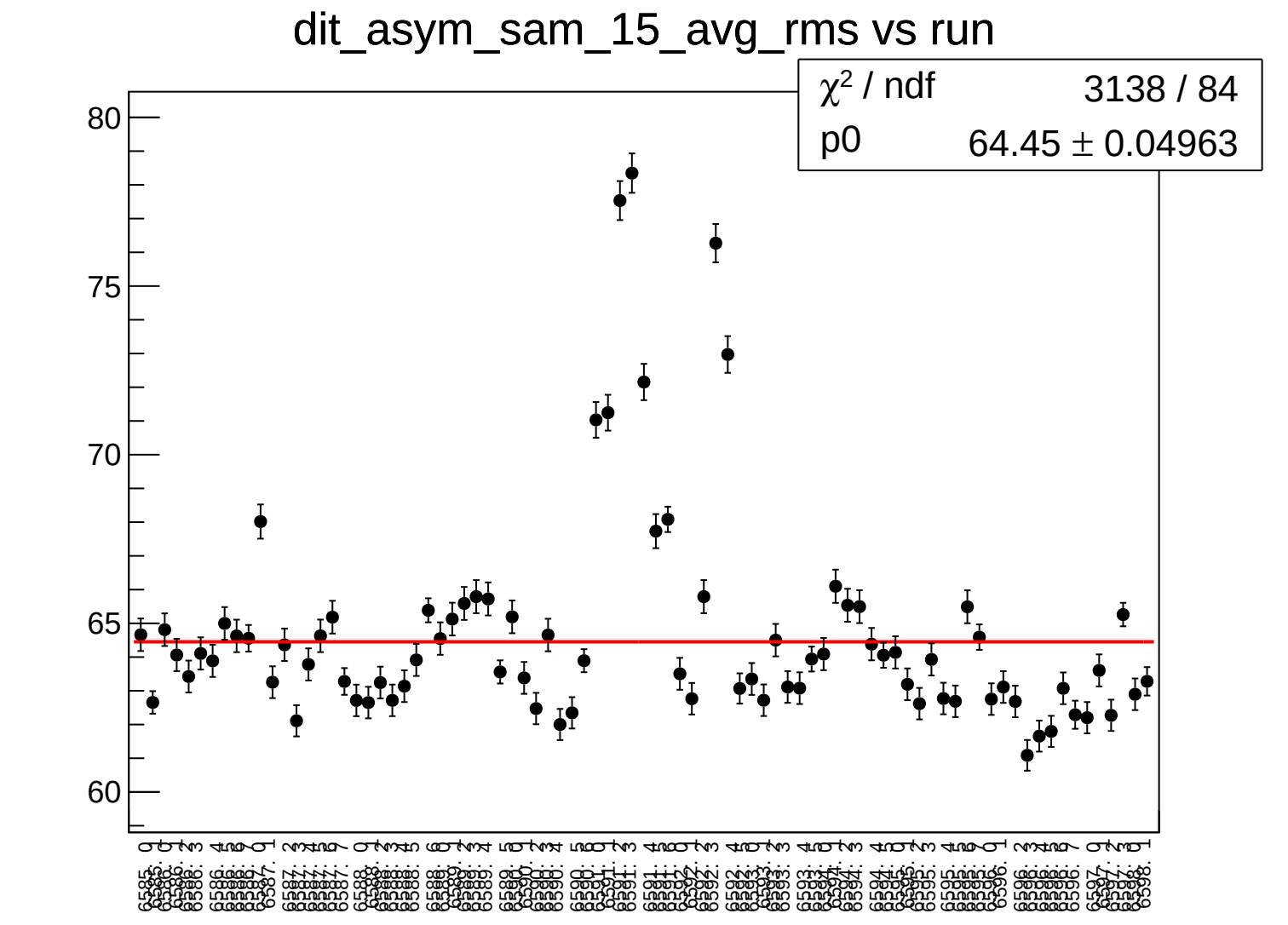

asym_sam8_mean vs run
χ² / ndf 111.5 / 84
p0 239.3 ± 251
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 148.5
Std Dev 44.53
2
1
0
−1
−2
−3

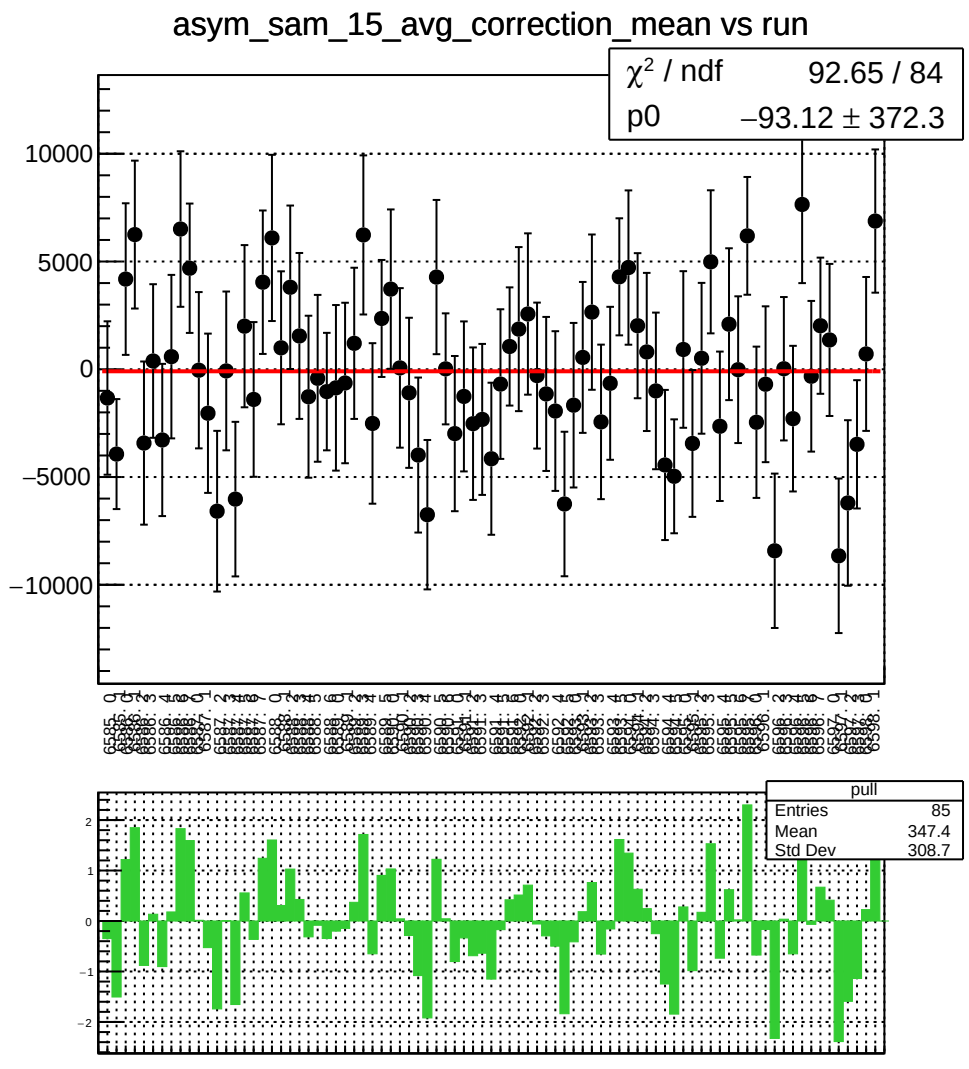

pull1D
Entries 85
Mean −0.008188
Std Dev 1.145
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

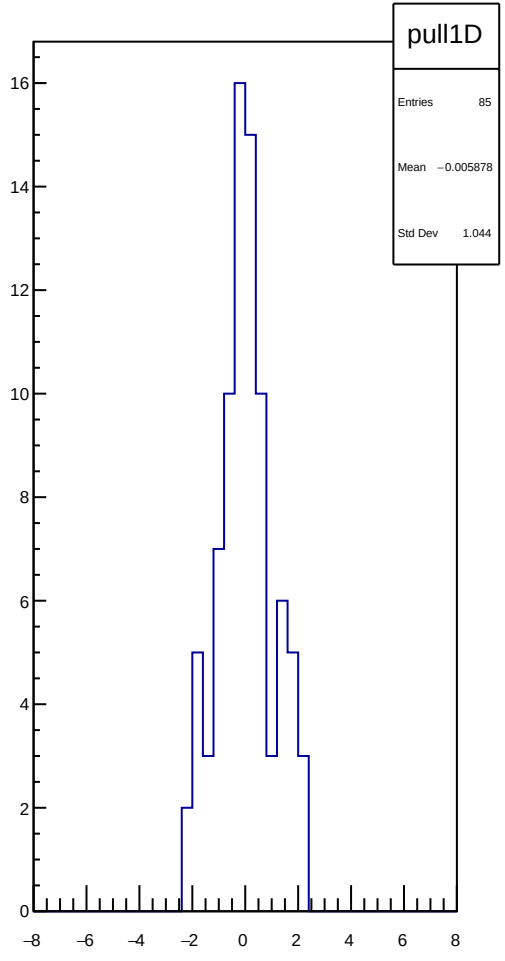

asym_sam8_rms vs run
χ² / ndf 1.243e+04 / 84
p0 229.8 ± 0.1775
300
280
260
240
220
200

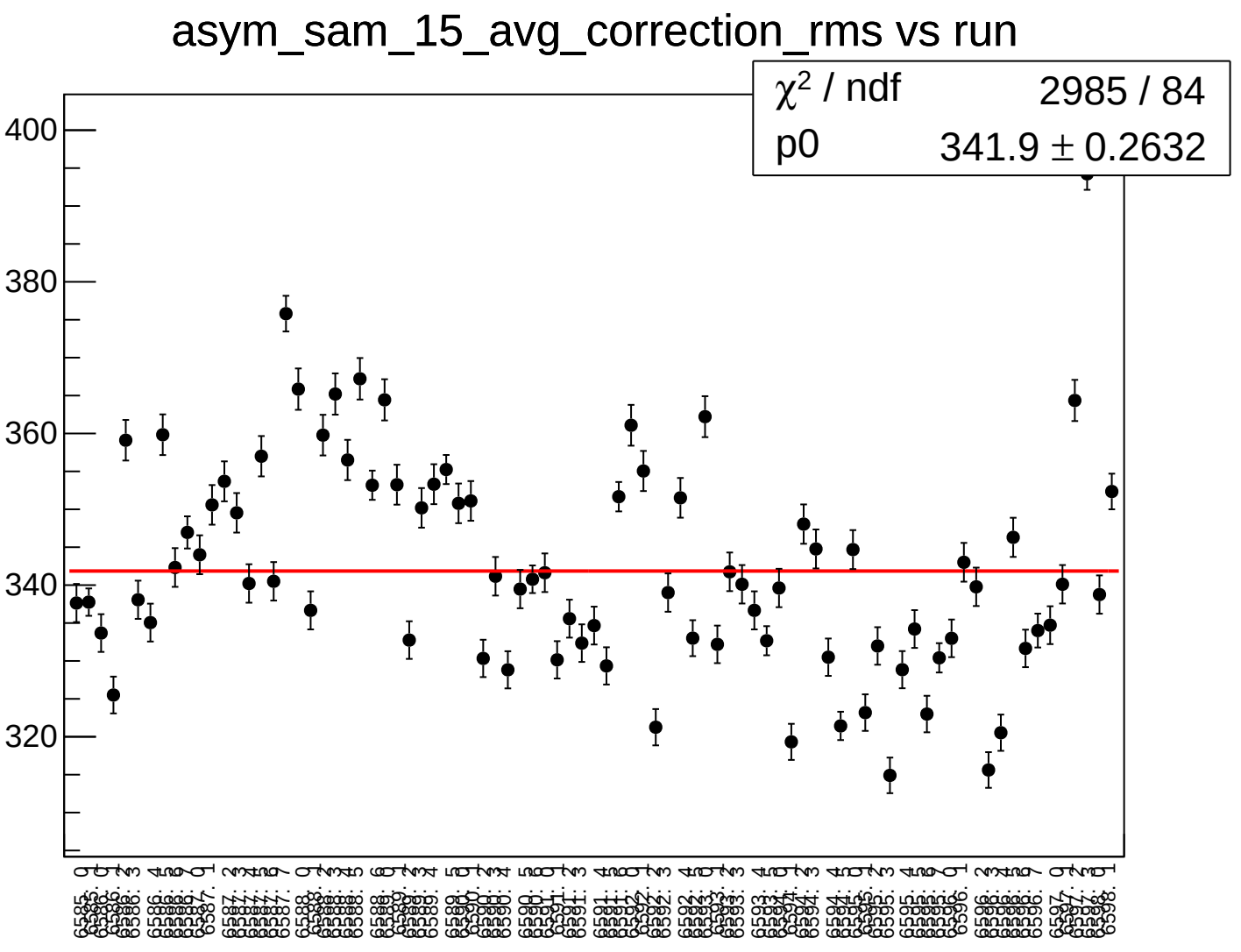

dit_asym_sam_15_avg_mean vs run
χ² / ndf 82.39 / 84
p0 4.76 ± 70.19
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −404.7
Std Dev 455.5
3
2
1
0
−1
−2

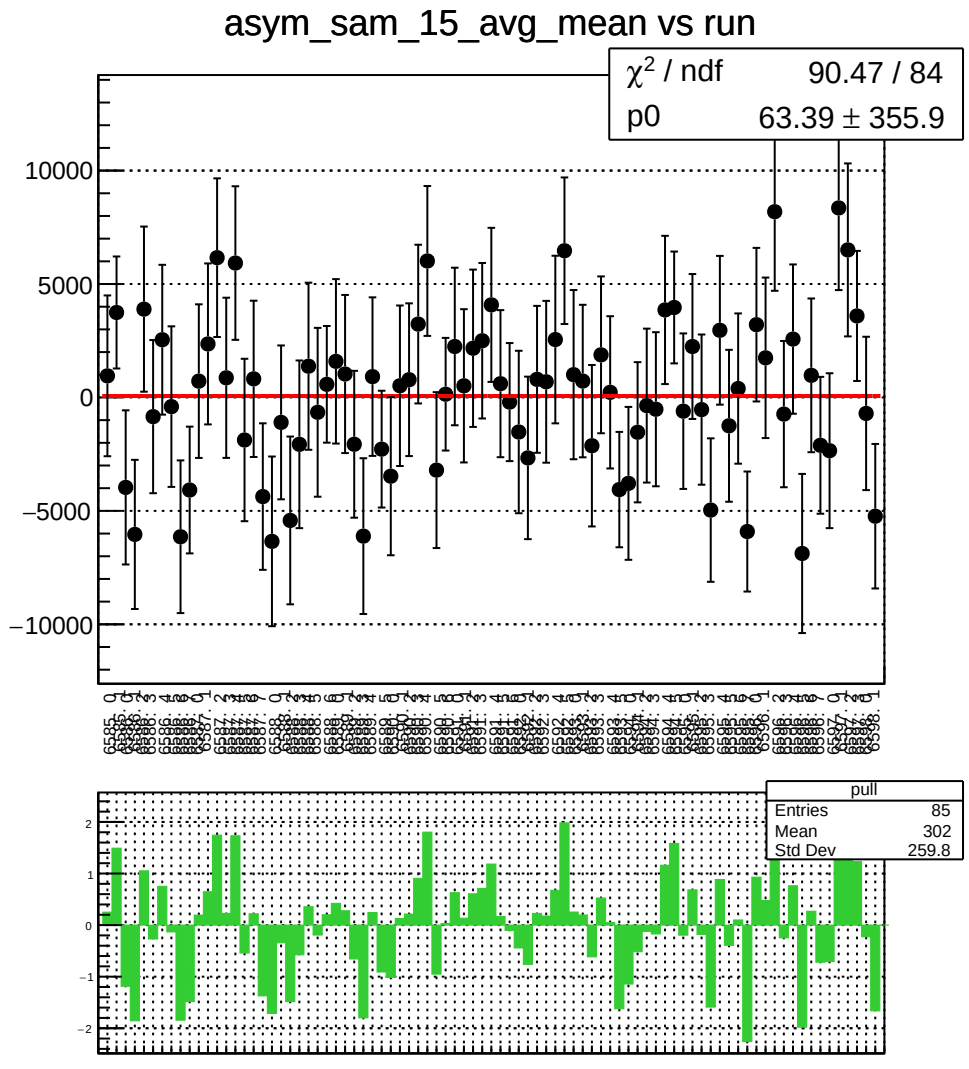

pull1D
Entries 85
Mean −0.00817
Std Dev 0.9845
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

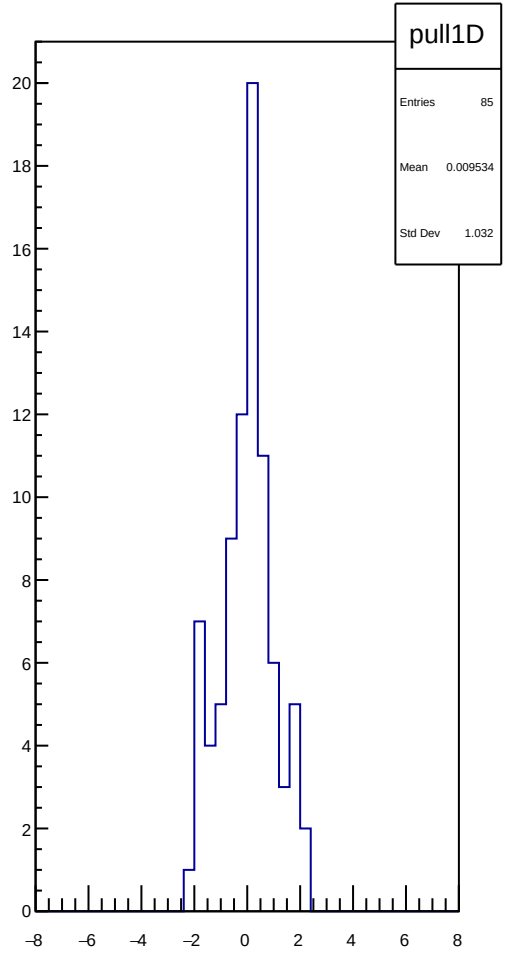

dit_asym_sam_15_avg_rms vs run
χ² / ndf 3138 / 84
p0 64.45 ± 0.04963
80
75
70
65
60

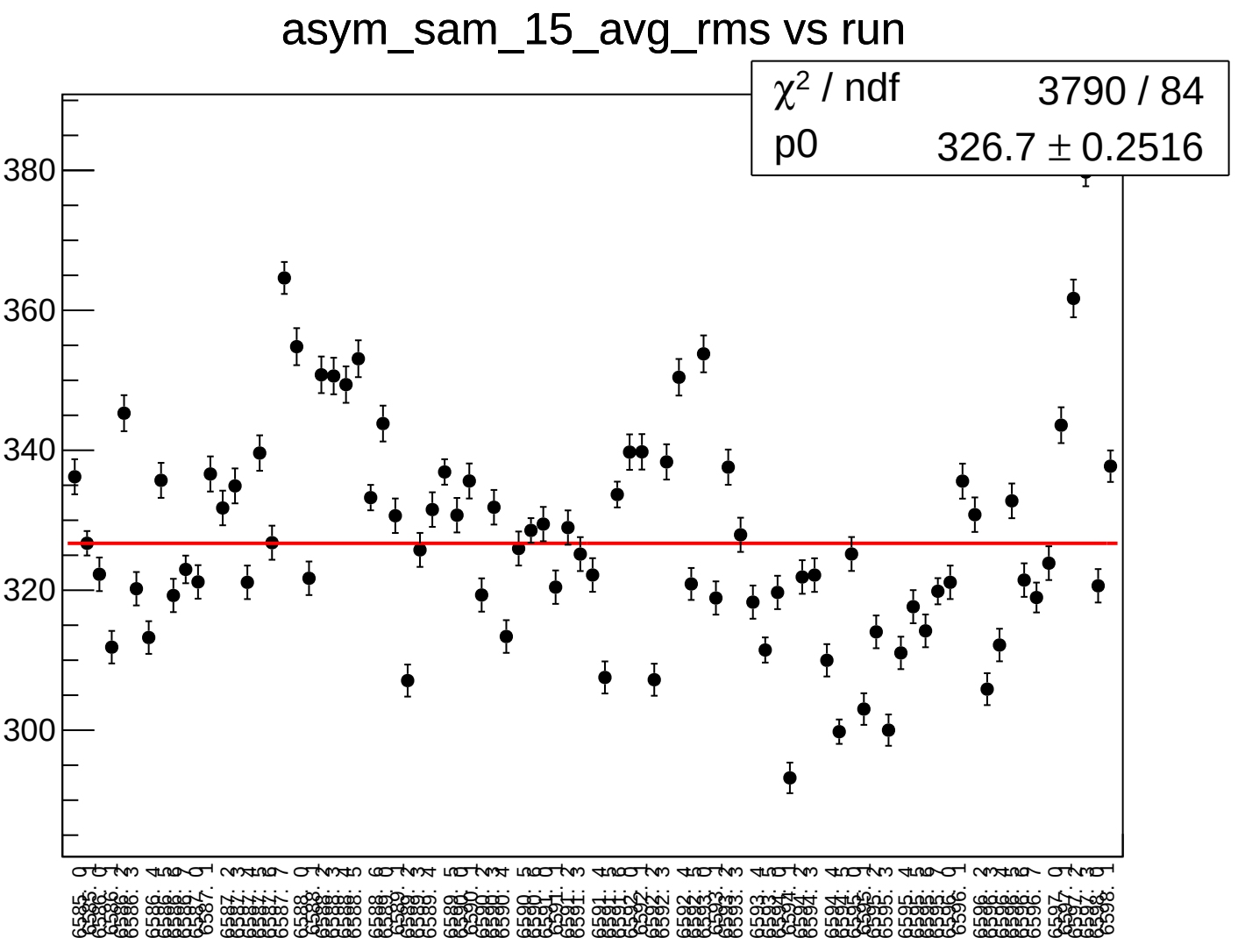

asym_sam_15_avg_correction_mean vs run
χ² / ndf 92.65 / 84
p0 −93.12 ± 372.3
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 347.4
Std Dev 308.7
2
1
0
−1
−2

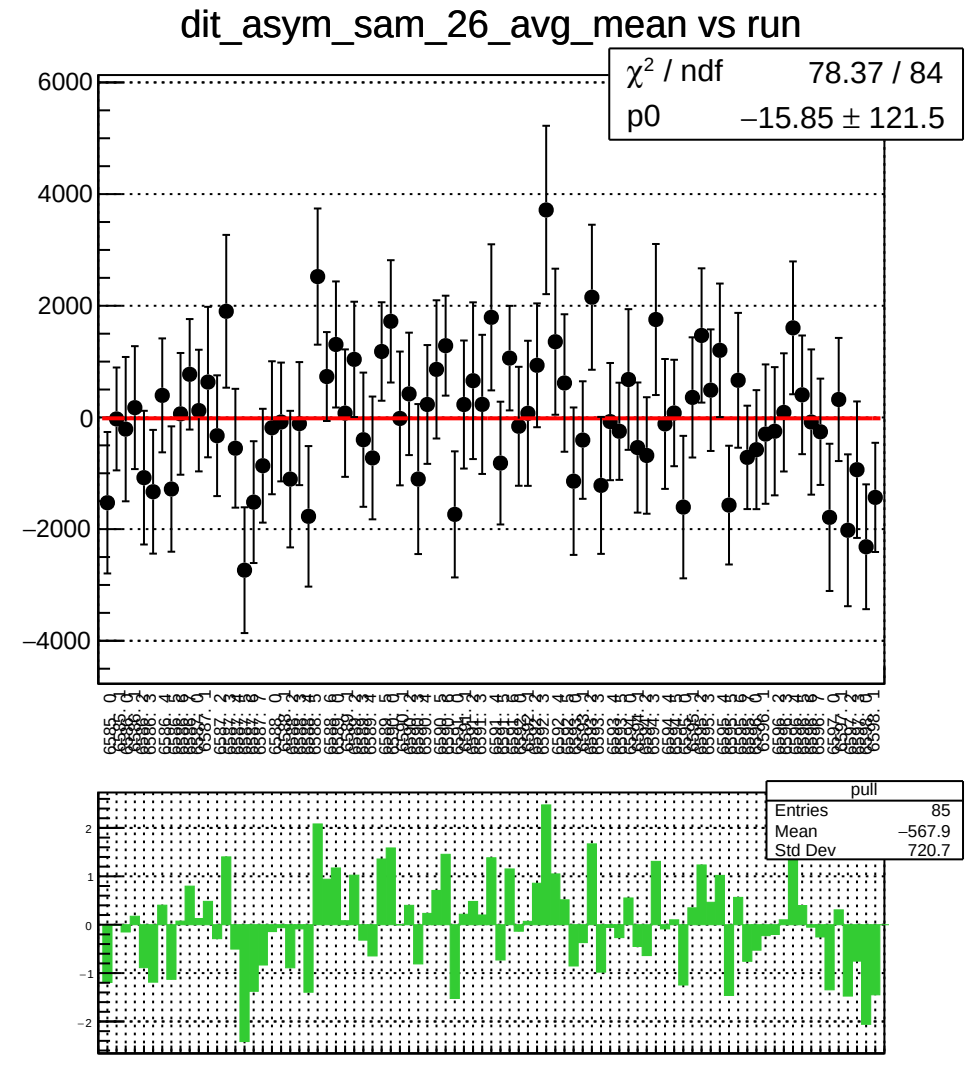

pull1D
Entries 85
Mean −0.005878
Std Dev 1.044
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

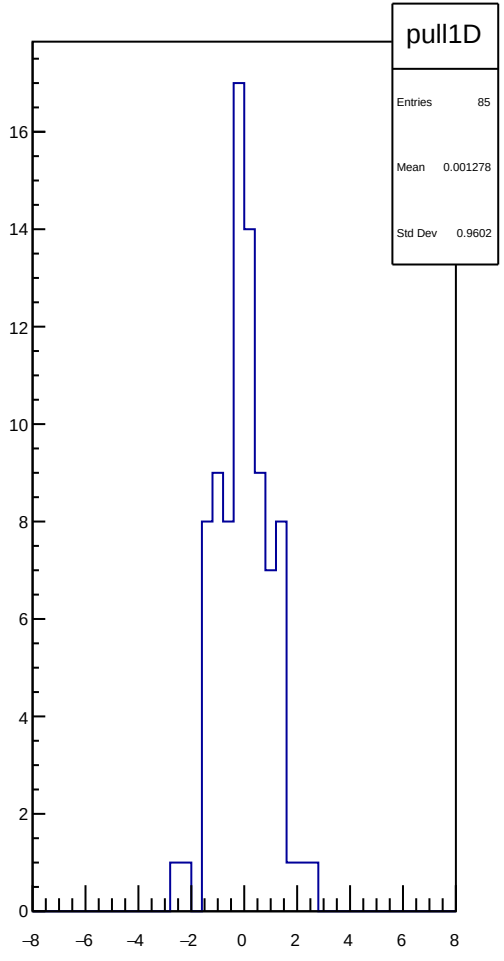

asym_sam_15_avg_correction_rms vs run
χ² / ndf 2985 / 84
p0 341.9 ± 0.2632
400
380
360
340
320

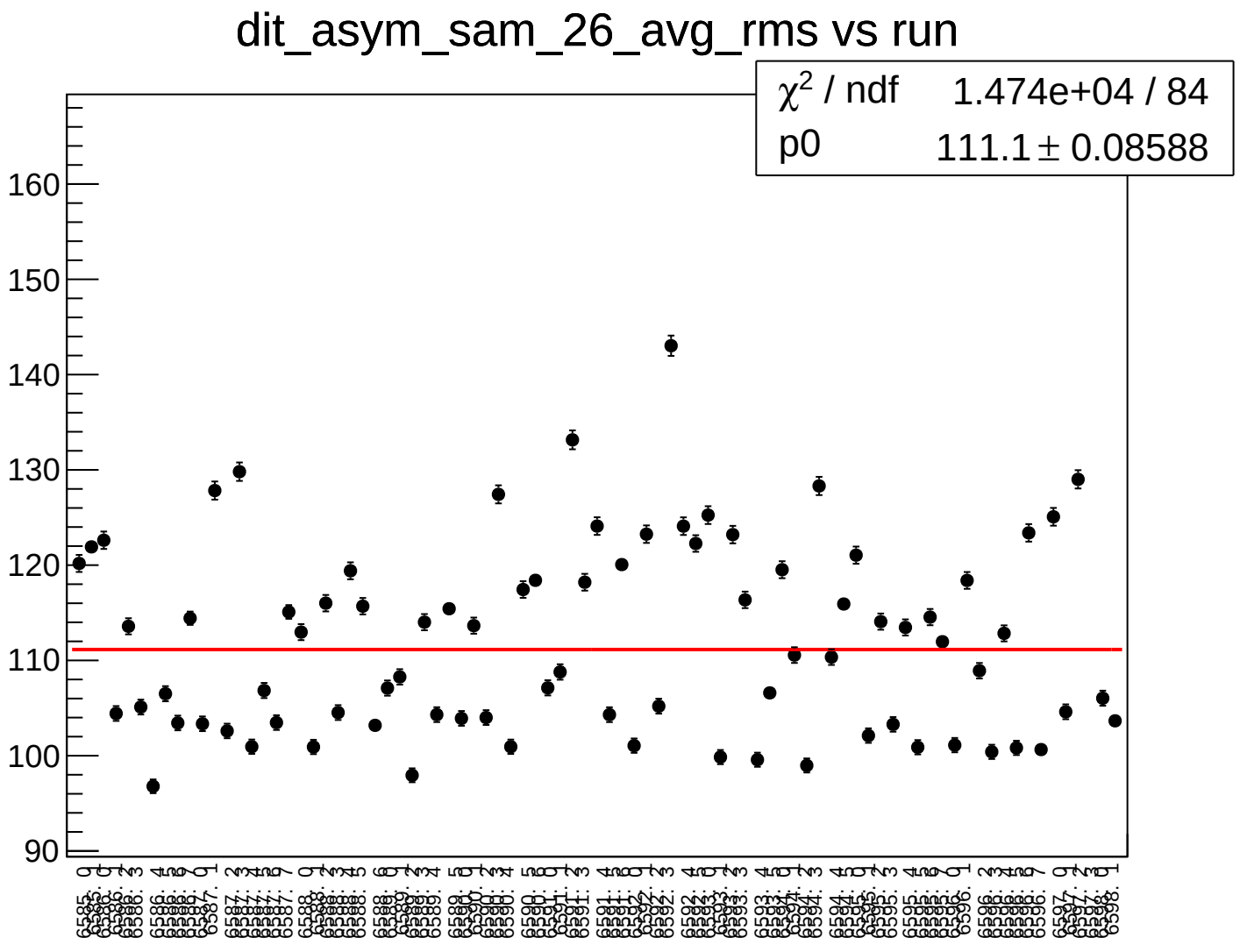

asym_sam_15_avg_mean vs run
χ² / ndf 90.47 / 84
p0 63.39 ± 355.9
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 302
Std Dev 259.8
2
1
0
−1
−2

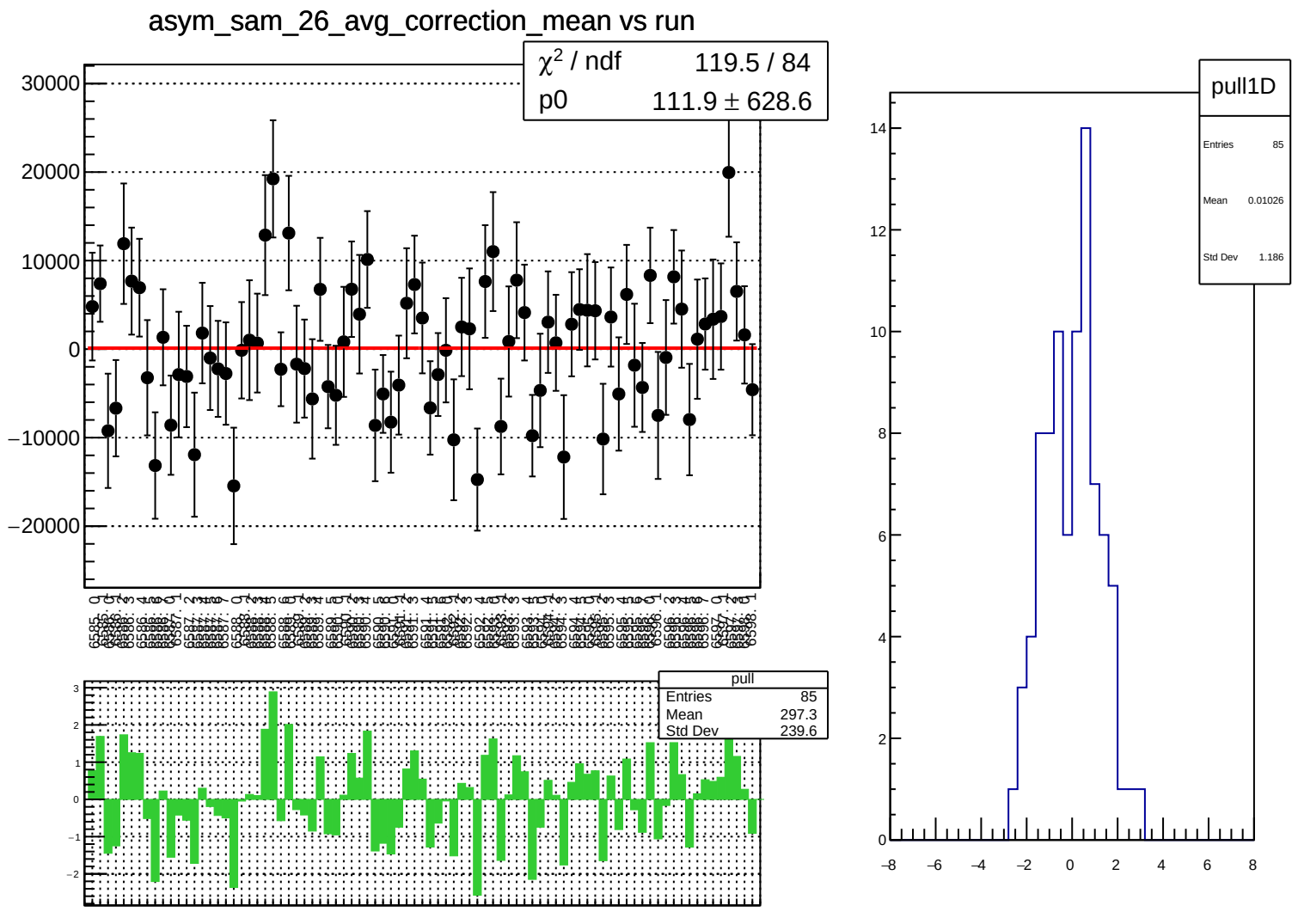

pull1D
Entries 85
Mean 0.009534
Std Dev 1.032
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

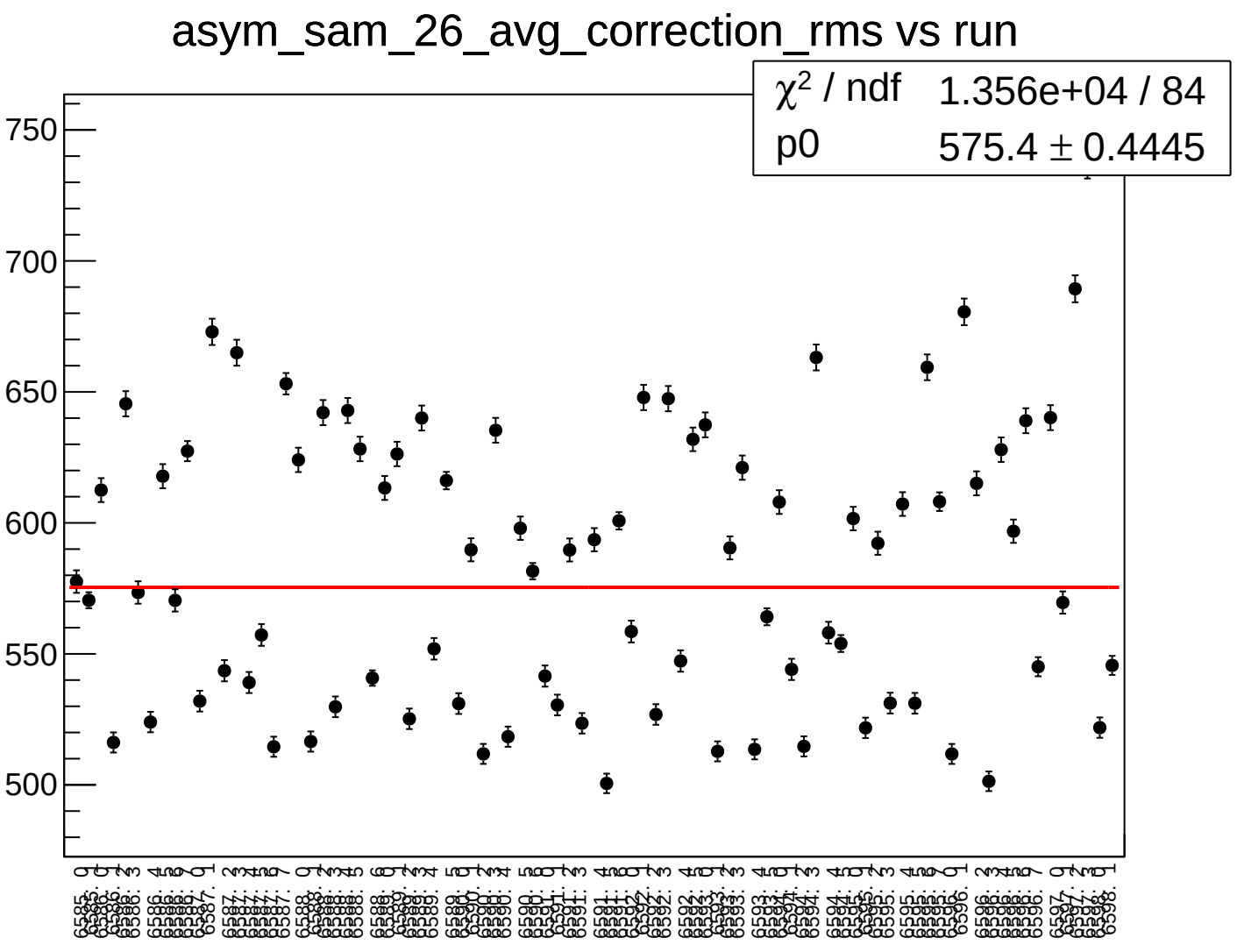

asym_sam_15_avg_rms vs run
χ² / ndf 3790 / 84
p0 326.7 ± 0.2516
380
360
340
320
300

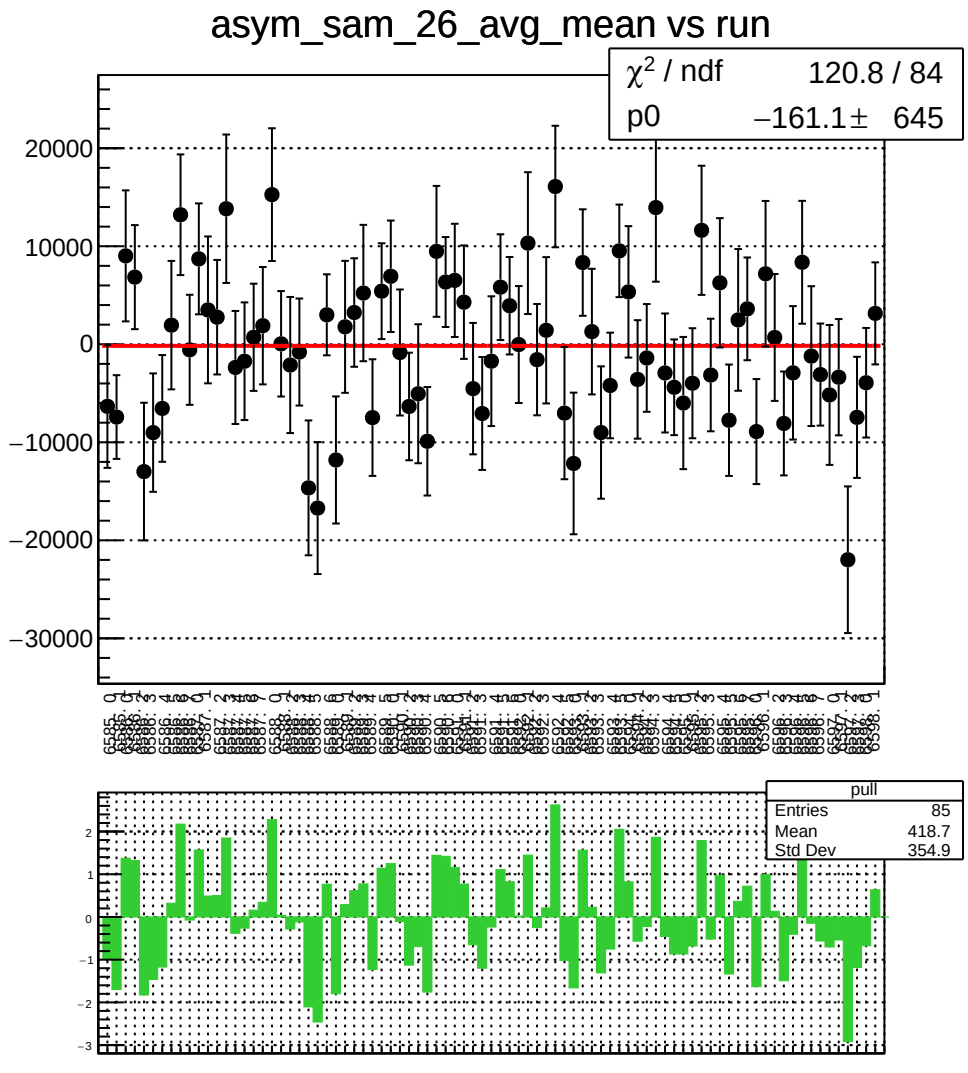

dit_asym_sam_26_avg_mean vs run
χ² / ndf 78.37 / 84
p0 −15.85 ± 121.5
6000
4000
2000
0
−2000
−4000
pull
Entries 85
Mean −567.9
Std Dev 720.7
2
1
0
−1
−2

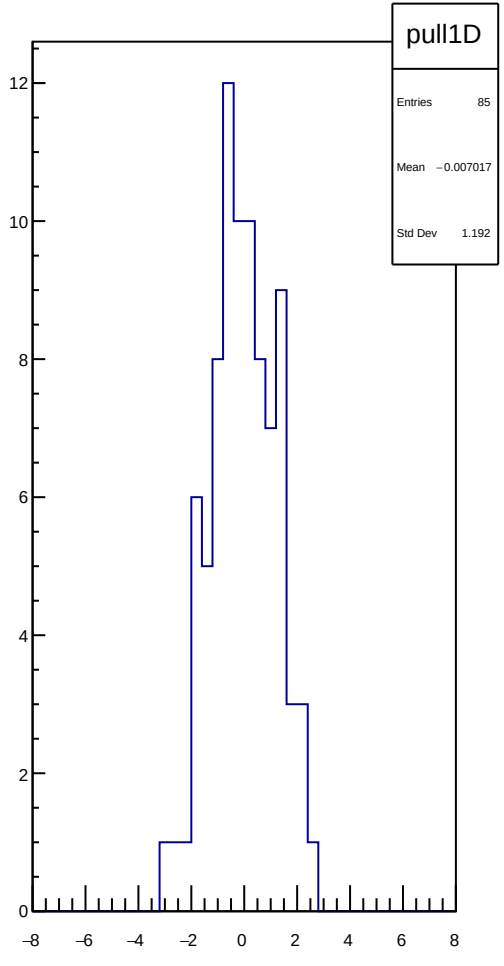

pull1D
Entries 85
Mean 0.001278
Std Dev 0.9602
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

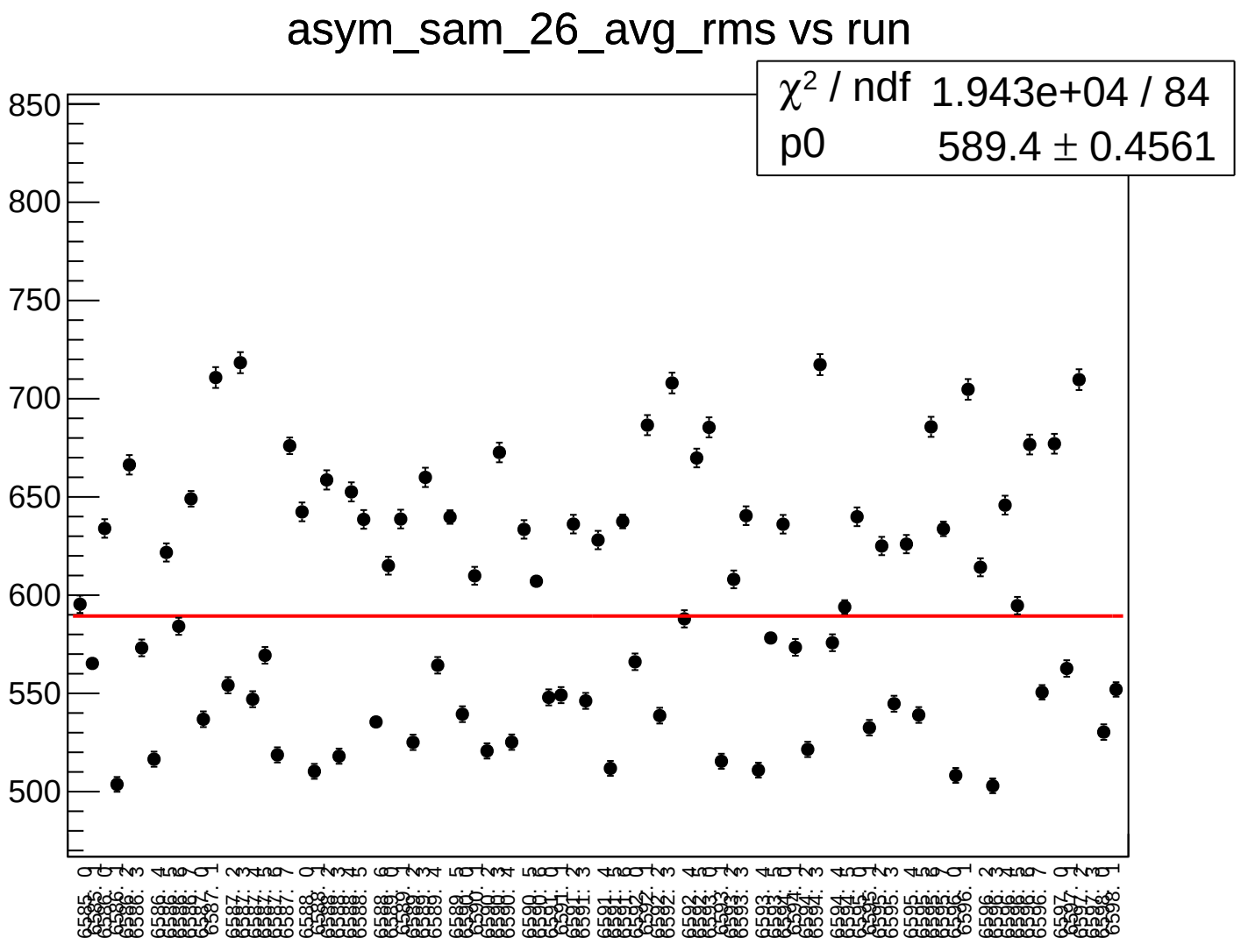

dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.474e+04 / 84
p0 111.1 ± 0.08588
160
150
140
130
120
110
100
90

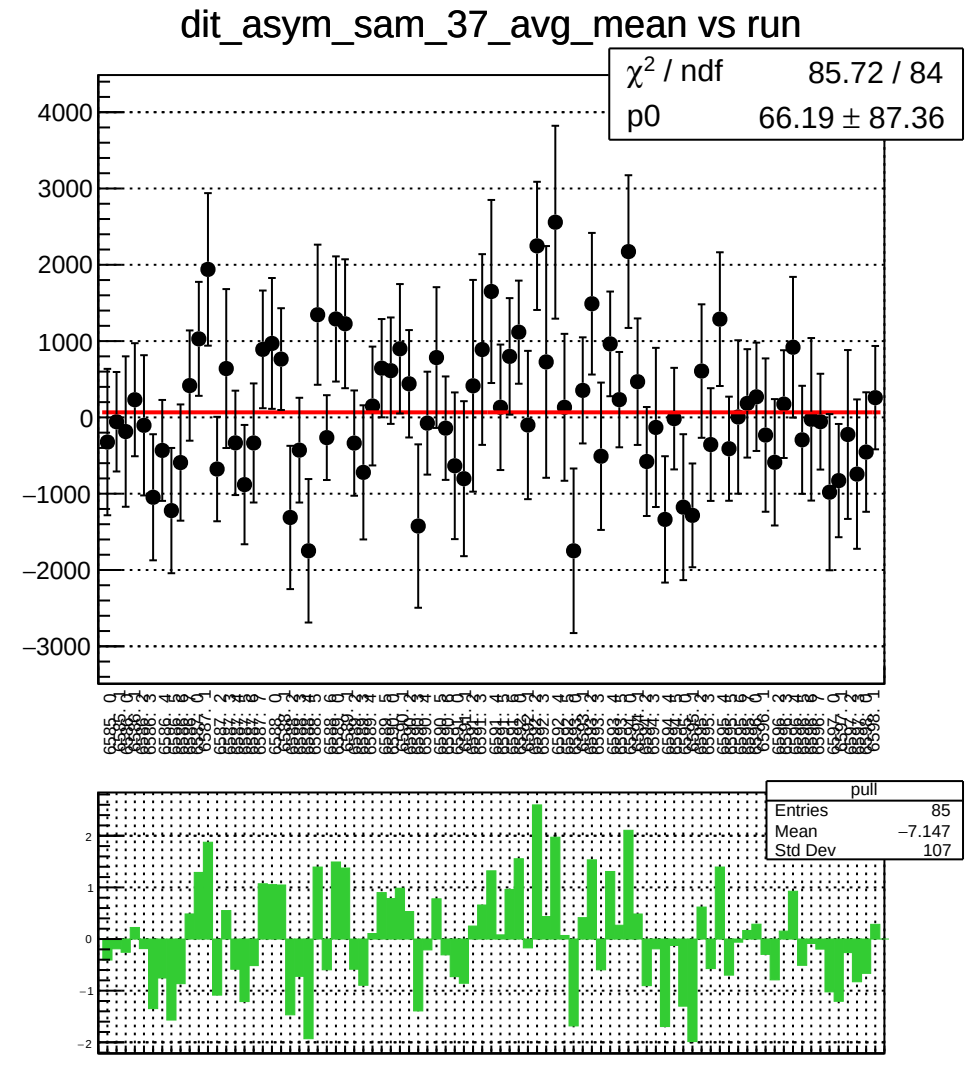

asym_sam_26_avg_correction_mean vs run
χ² / ndf 119.5 / 84
p0 111.9 ± 628.6
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 297.3
Std Dev 239.6
3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.01026
Std Dev 1.186
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

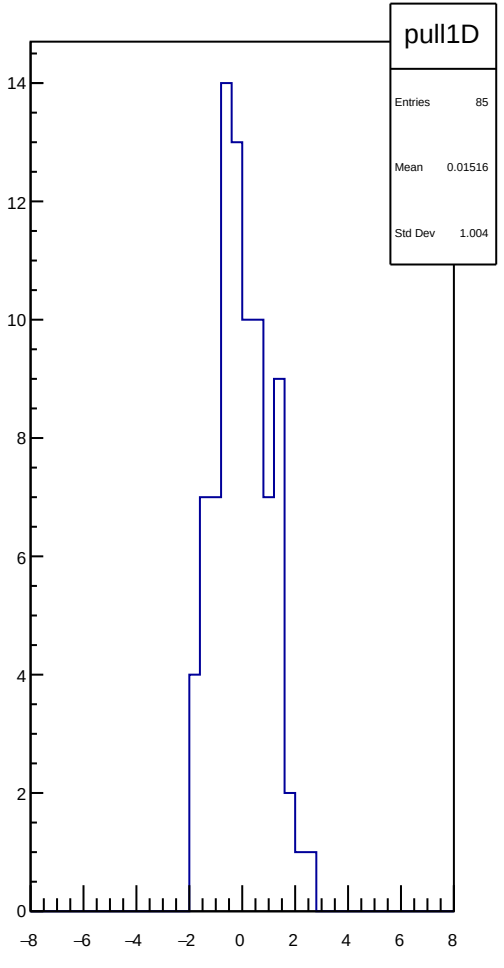

asym_sam_26_avg_correction_rms vs run
χ² / ndf 1.356e+04 / 84
p0 575.4 ± 0.4445
750
700
650
600
550
500

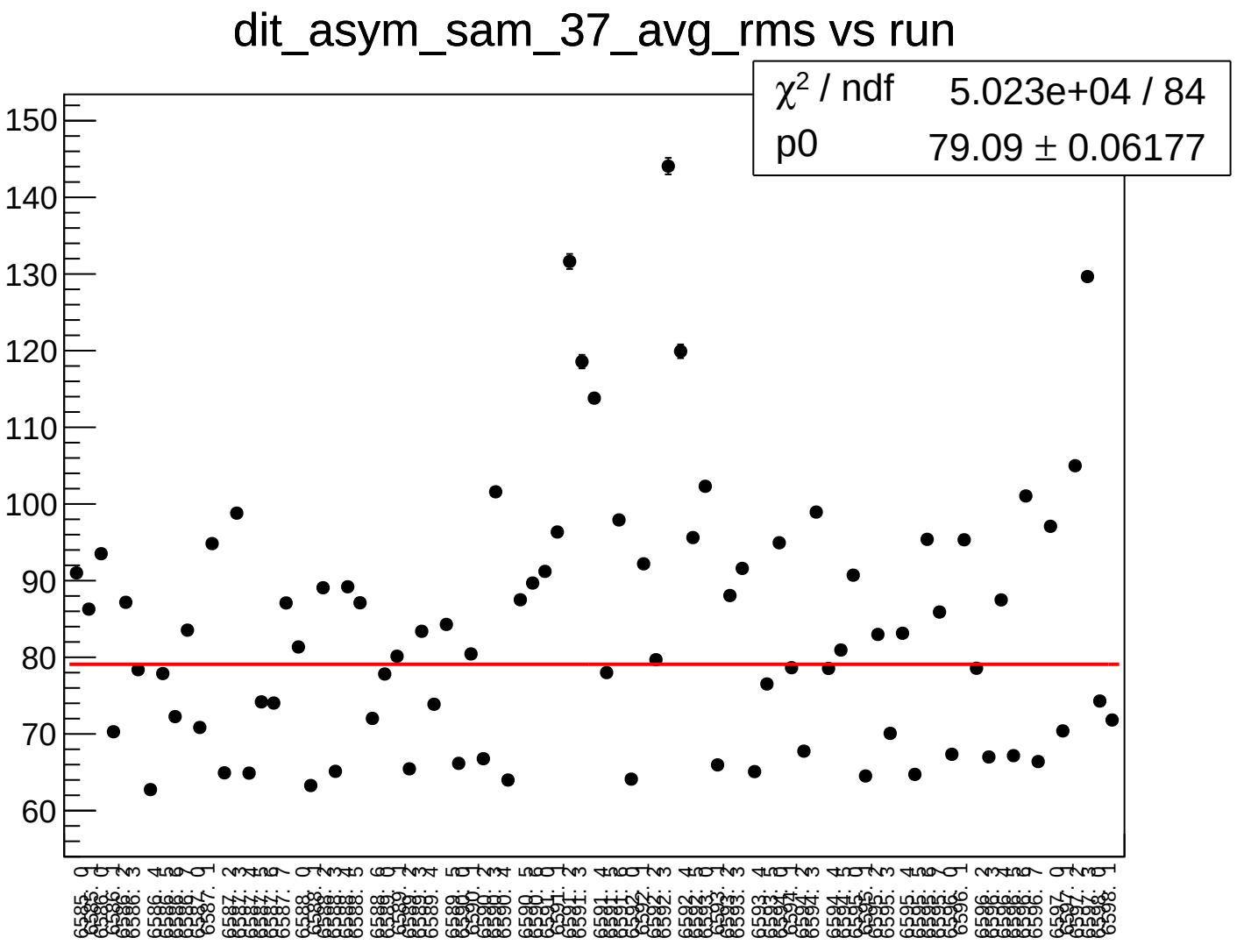

asym_sam_26_avg_mean vs run
χ² / ndf 120.8 / 84
p0 −161.1± 645
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 418.7
Std Dev 354.9
2
1
0
−1
−2
−3

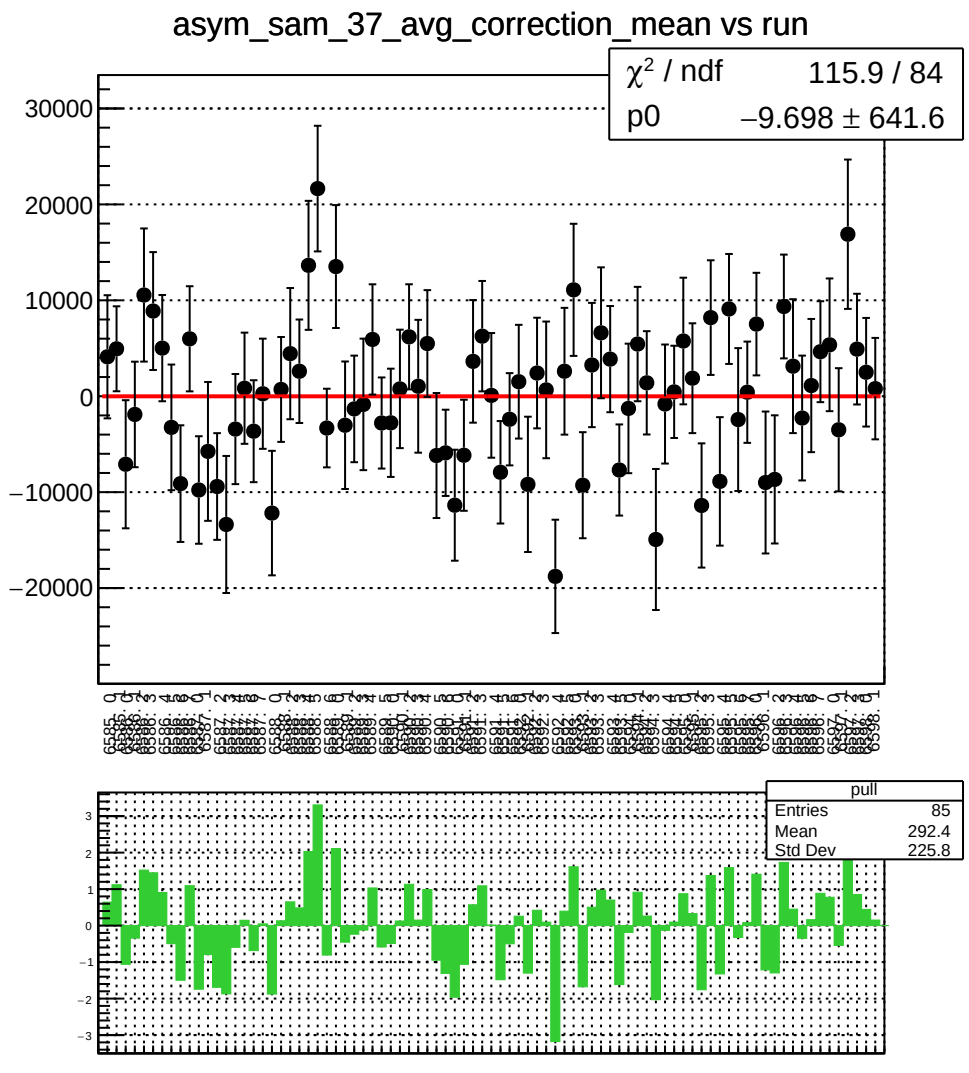

pull1D
Entries 85
Mean −0.007017
Std Dev 1.192
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

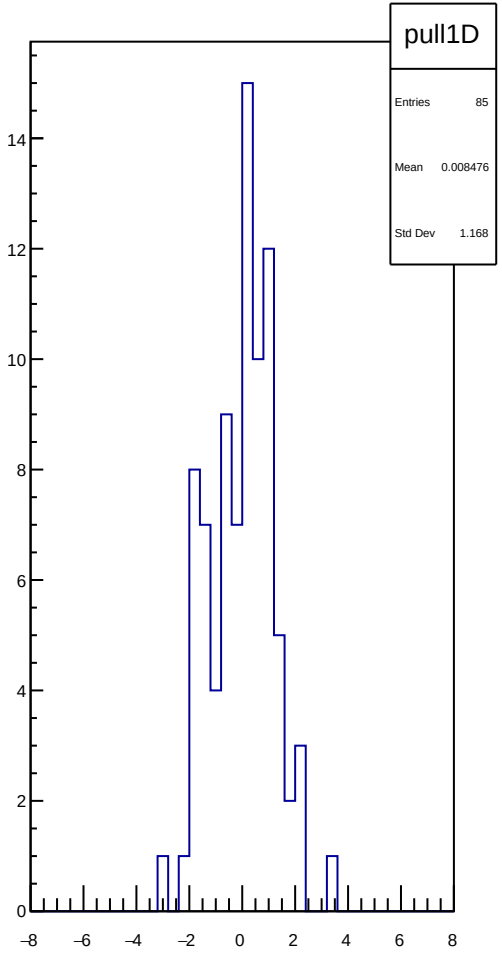

asym_sam_26_avg_rms vs run
χ² / ndf 1.943e+04 / 84
p0 589.4 ± 0.4561
850
800
750
700
650
600
550
500

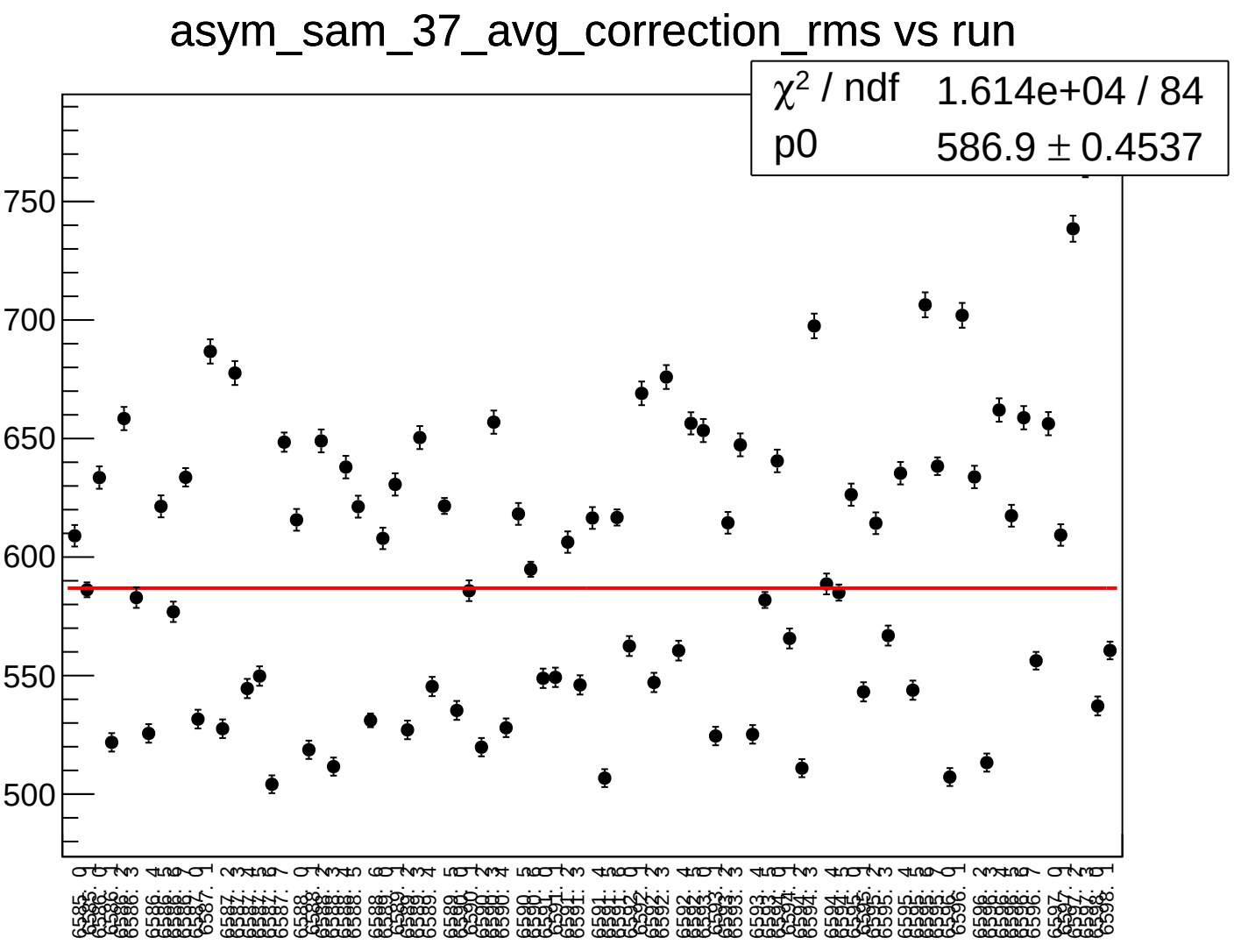

dit_asym_sam_37_avg_mean vs run
χ² / ndf 85.72 / 84
p0 66.19 ± 87.36
pull
Entries 85
Mean −7.147
Std Dev 107

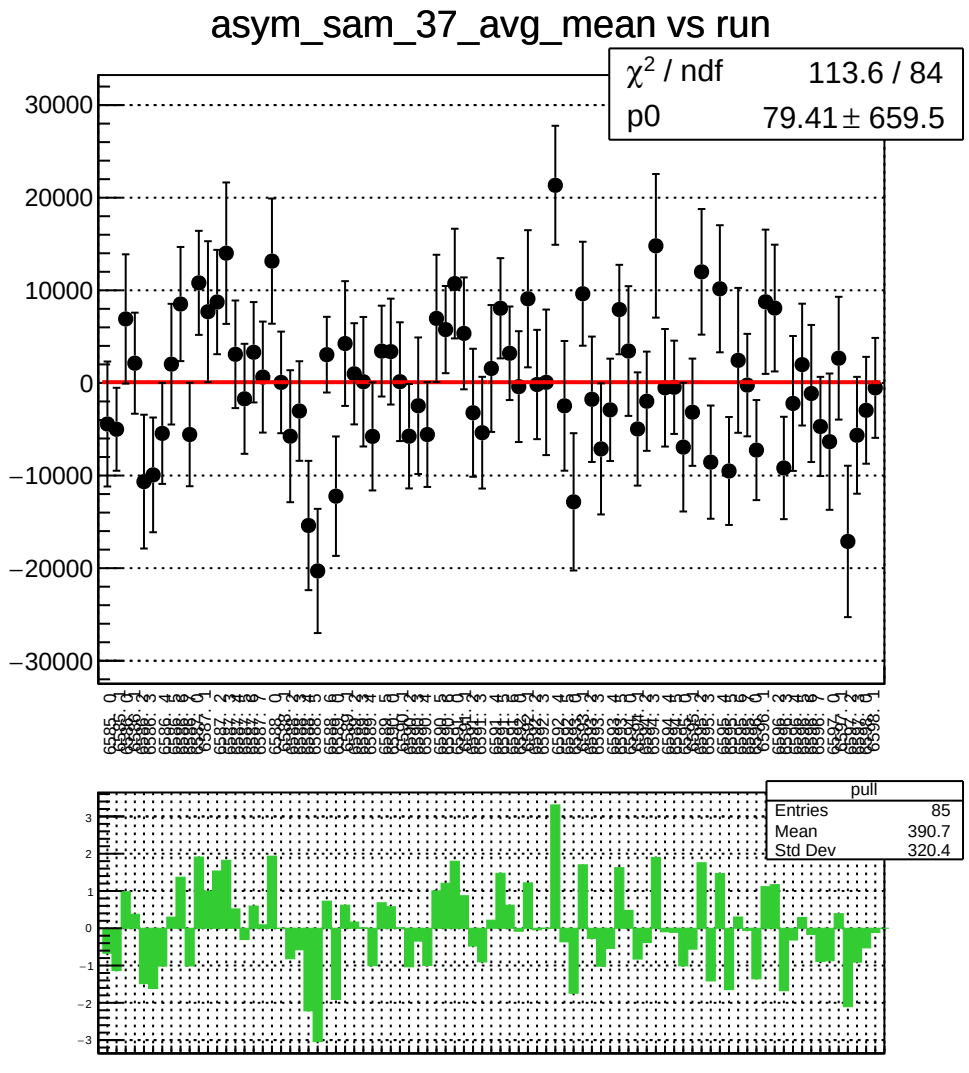

pull1D
Entries 85
Mean 0.01516
Std Dev 1.004

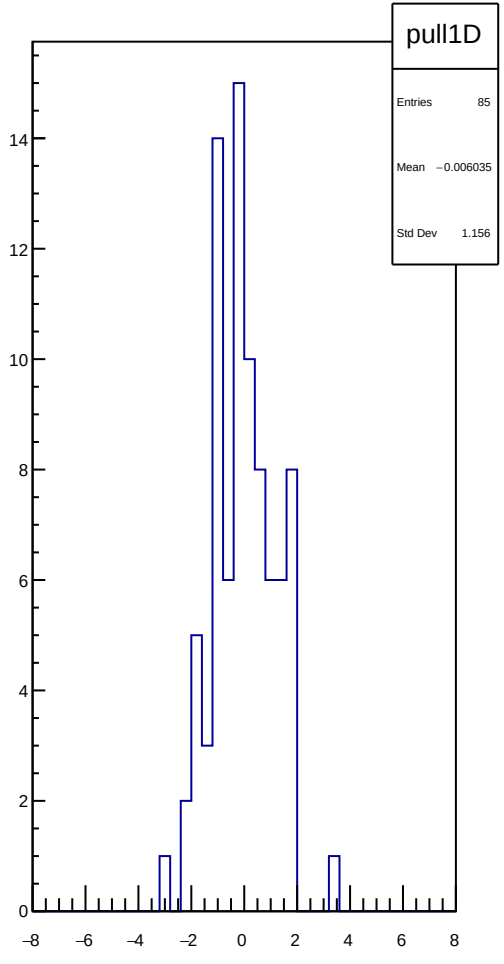

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 5.023e+04 / 84
p0 79.09 ± 0.06177
150
140
130
120
110
100
90
80
70
60

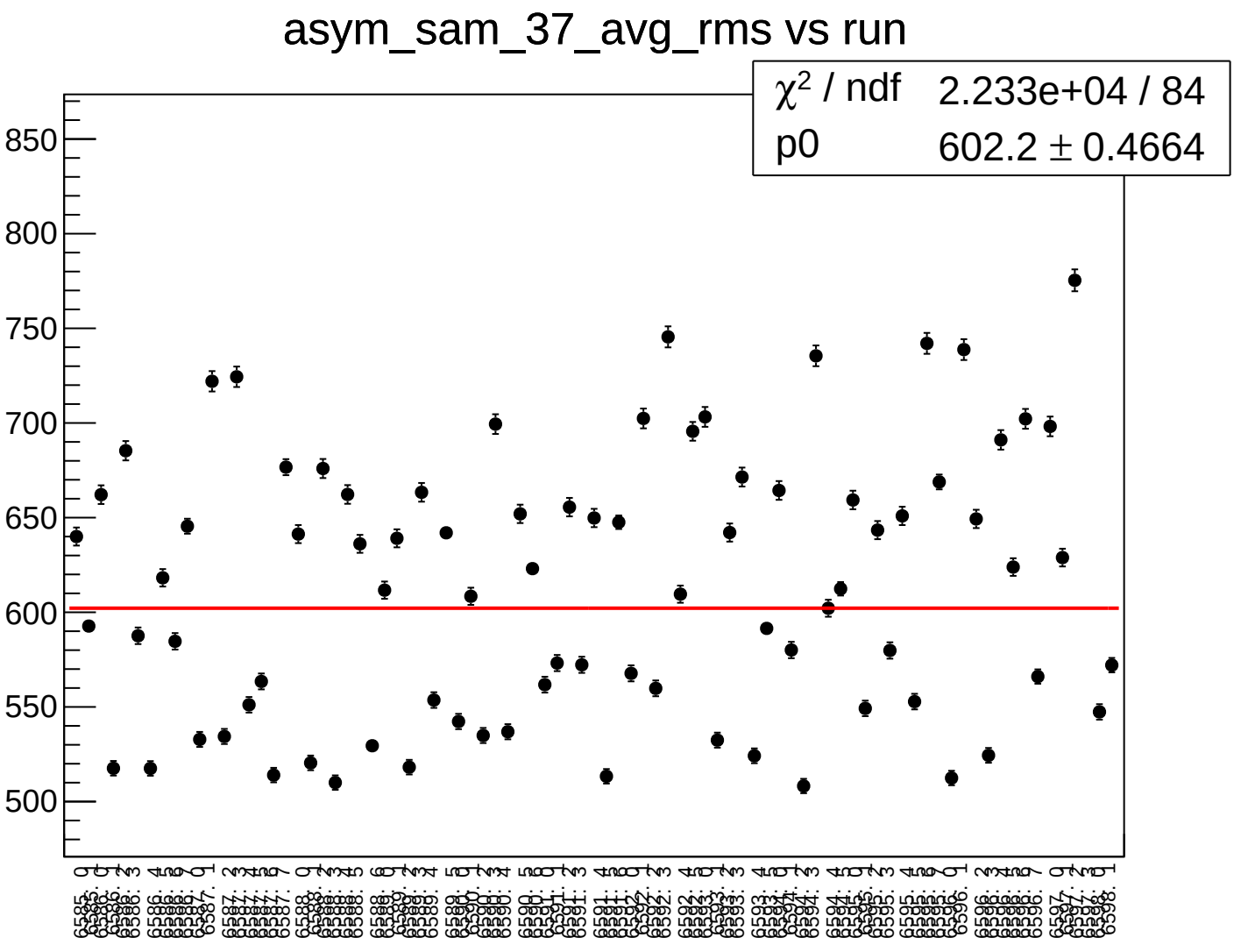

asym_sam_37_avg_correction_mean vs run
χ² / ndf 115.9 / 84
p0 −9.698 ± 641.6
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 292.4
Std Dev 225.8
3
2
1
0
−1
−2
−3

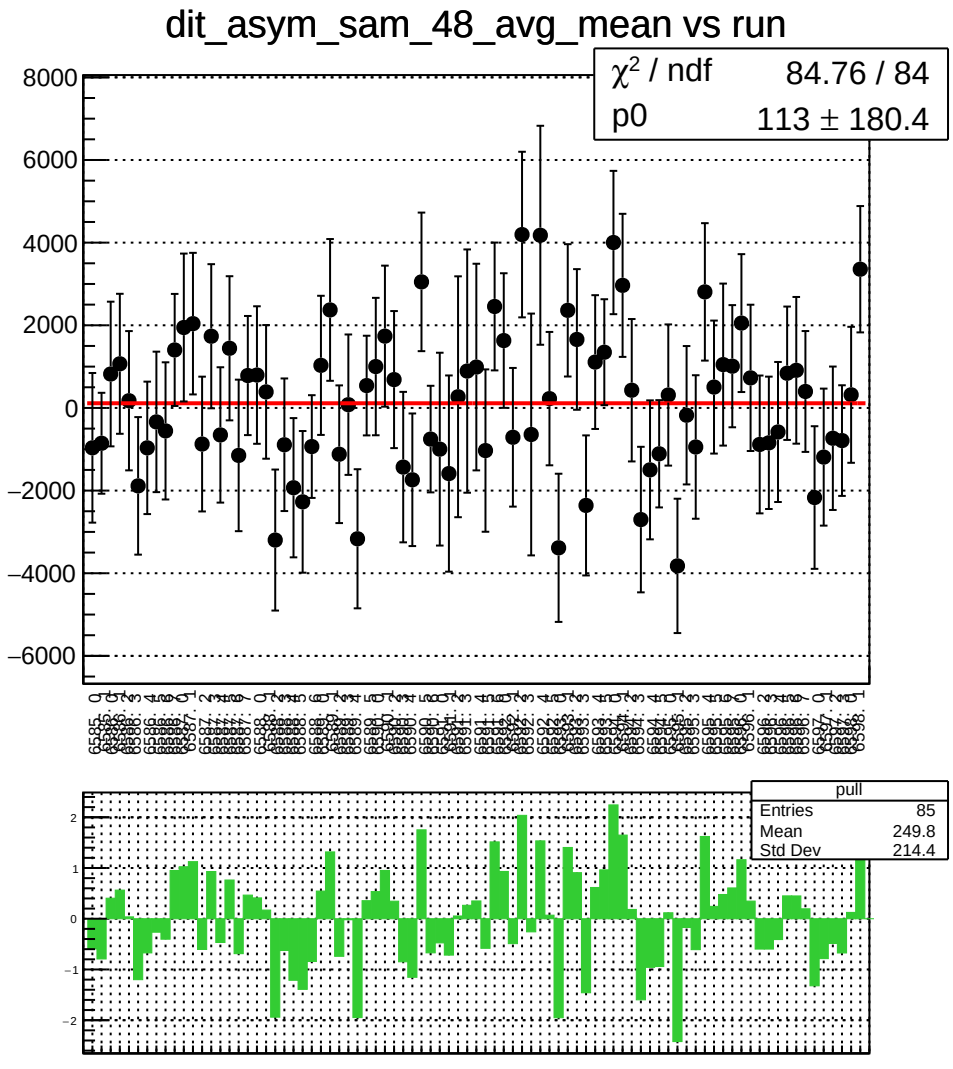

pull1D
Entries 85
Mean 0.008476
Std Dev 1.168
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

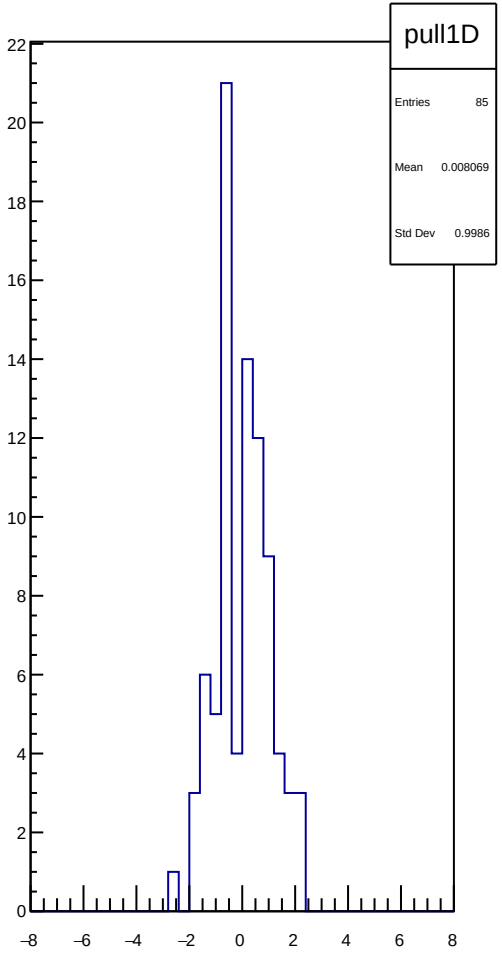

asym_sam_37_avg_correction_rms vs run
χ² / ndf 1.614e+04 / 84
p0 586.9 ± 0.4537
750
700
650
600
550
500

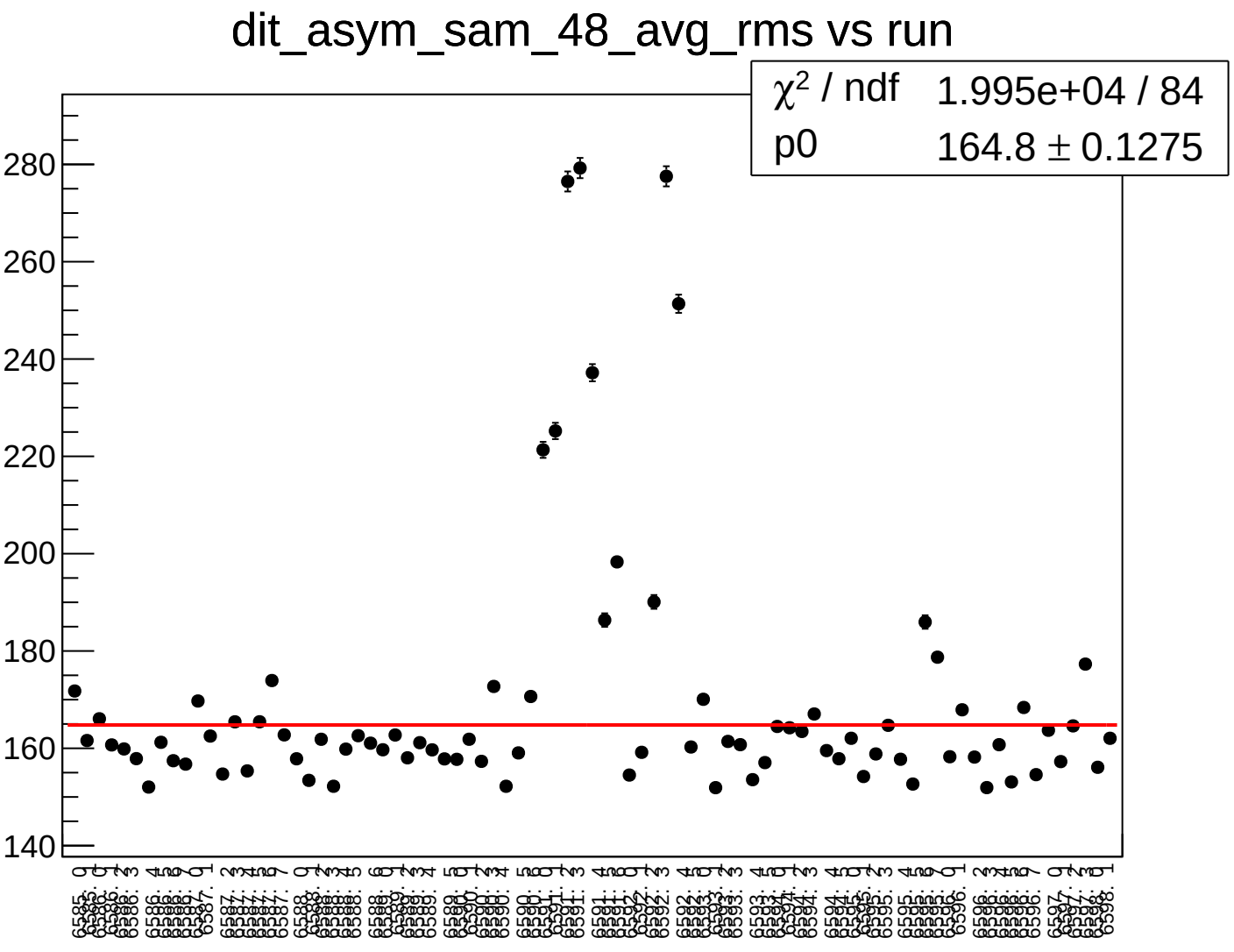

asym_sam_37_avg_mean vs run
χ^2 / ndf 113.6 / 84
p0 79.41 ± 659.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 390.7
Std Dev 320.4
3
2
1
0
−1
−2
−3

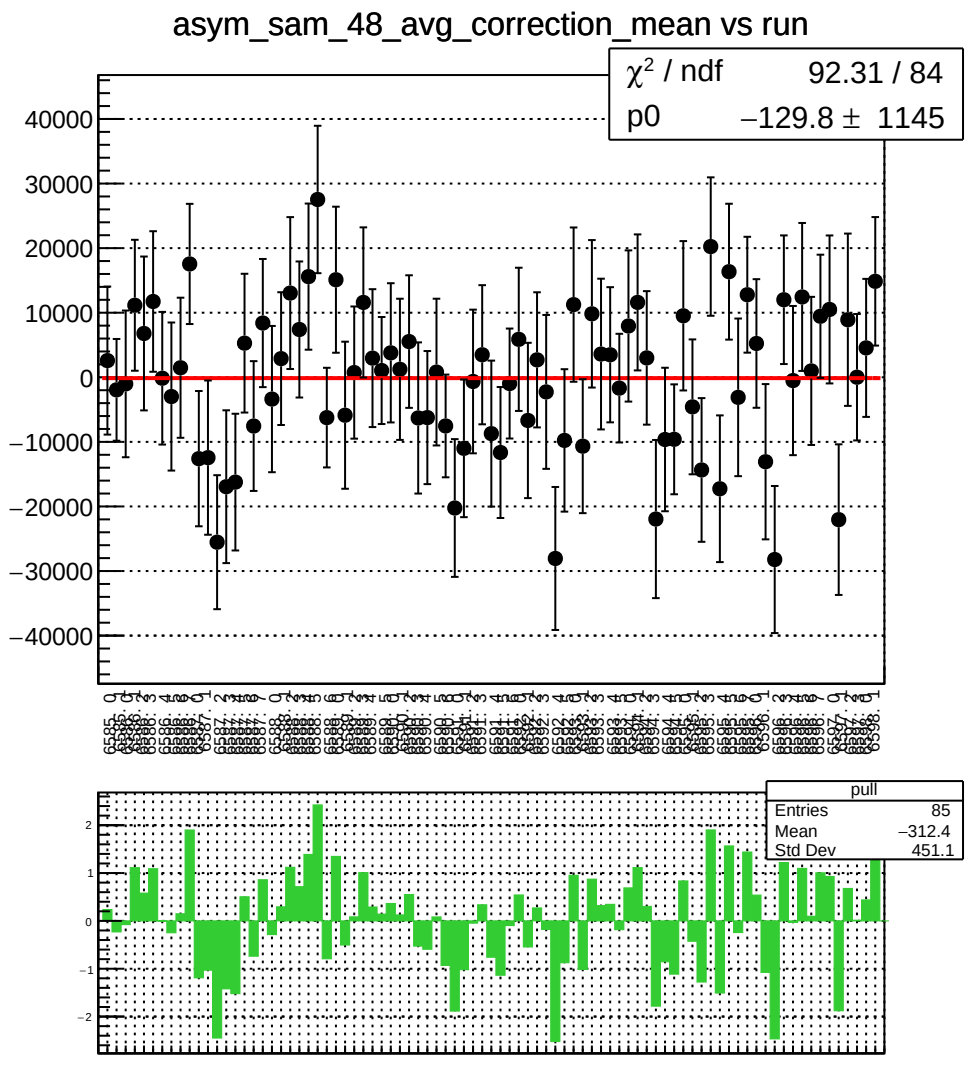

pull1D
Entries 85
Mean −0.006035
Std Dev 1.156
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

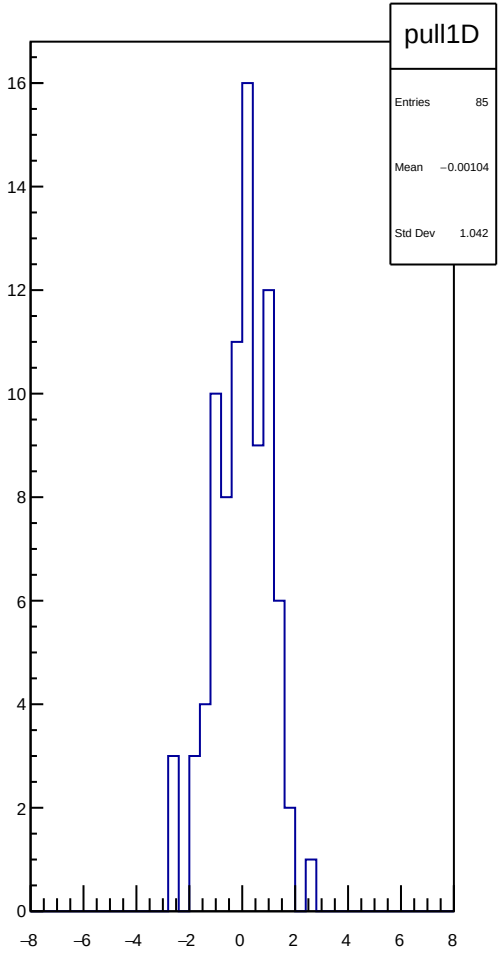

asym_sam_37_avg_rms vs run
χ² / ndf 2.233e+04 / 84
p0 602.2 ± 0.4664
850
800
750
700
650
600
550
500

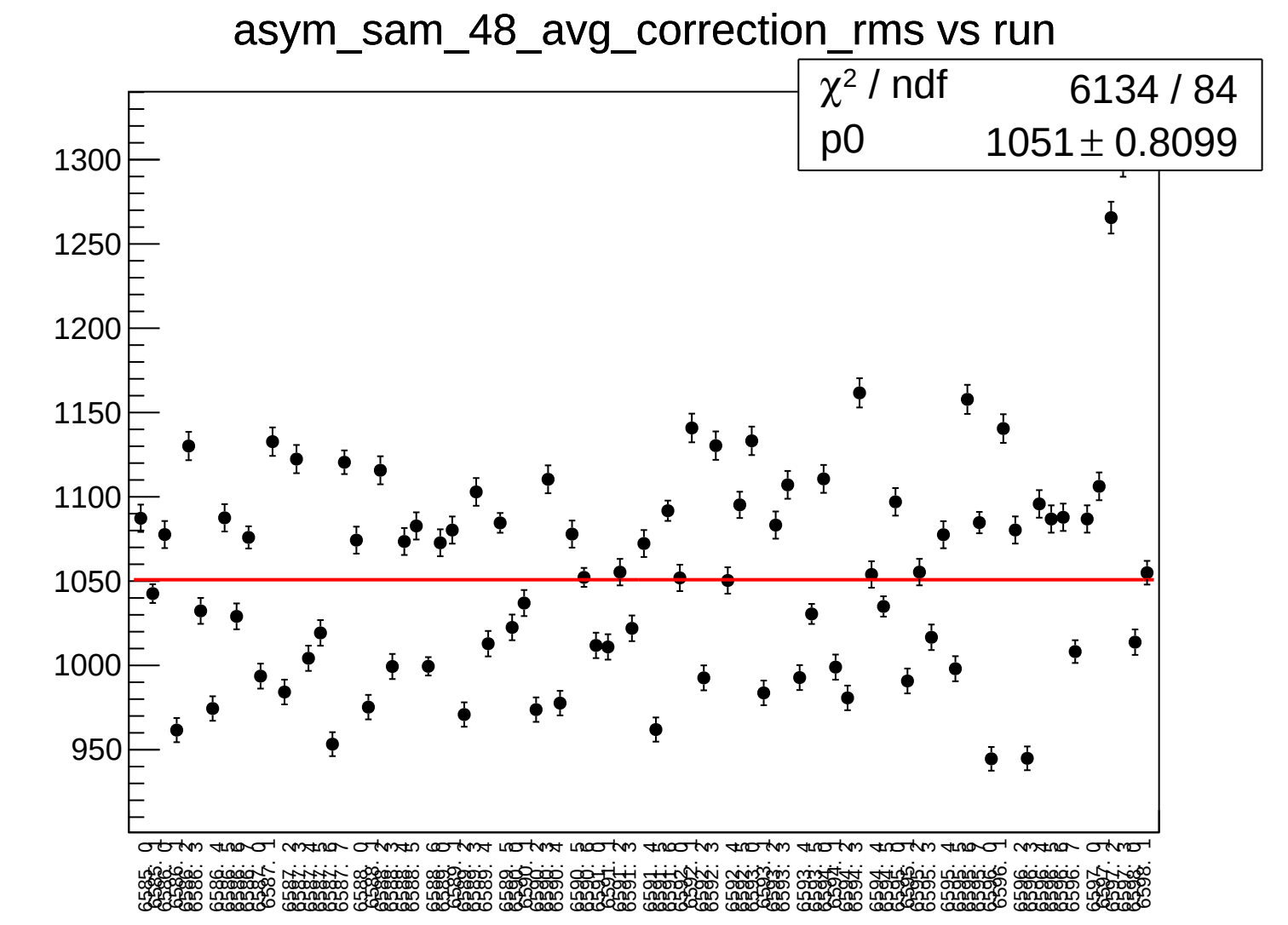

dit_asym_sam_48_avg_mean vs run
χ² / ndf 84.76 / 84
p0 113 ± 180.4
pull
Entries 85
Mean 249.8
Std Dev 214.4

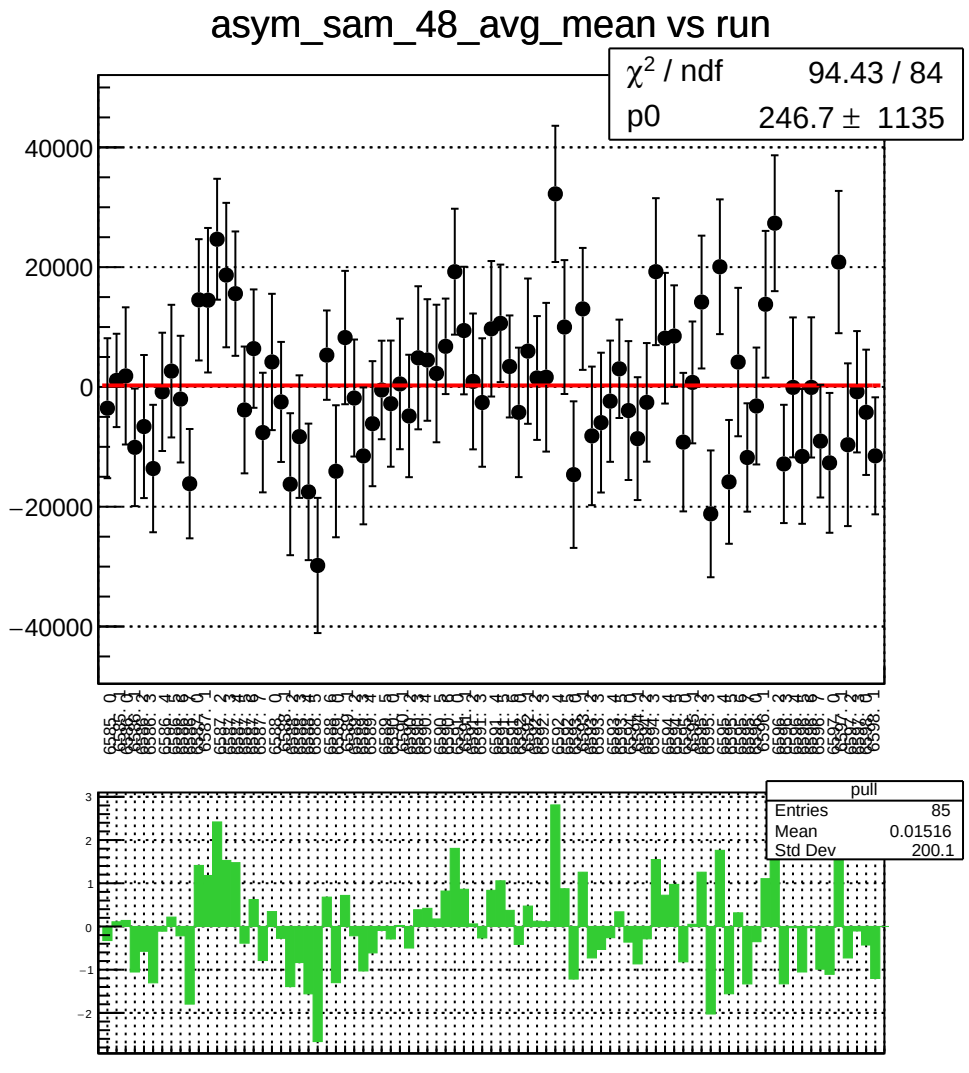

pull1D
Entries 85
Mean 0.008069
Std Dev 0.9986

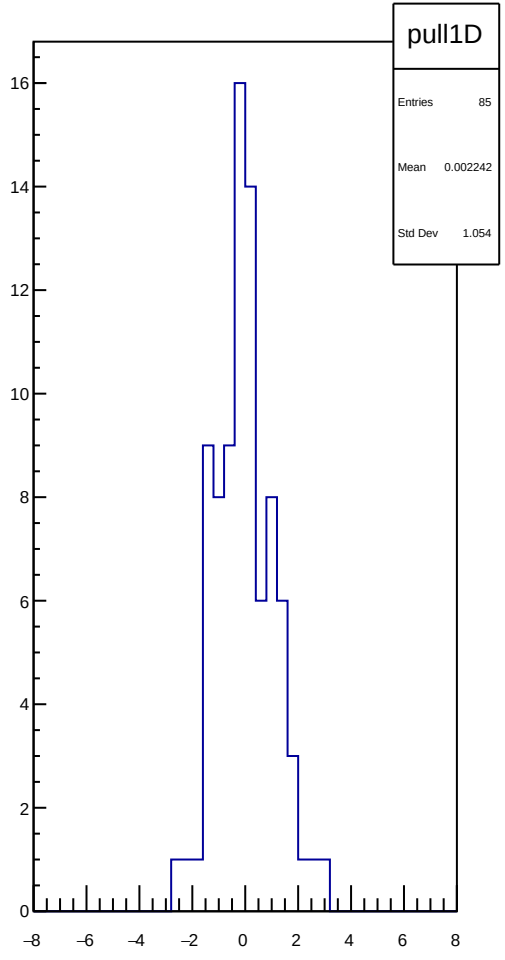

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 1.995e+04 / 84
p0 164.8 ± 0.1275
280
260
240
220
200
180
160
140

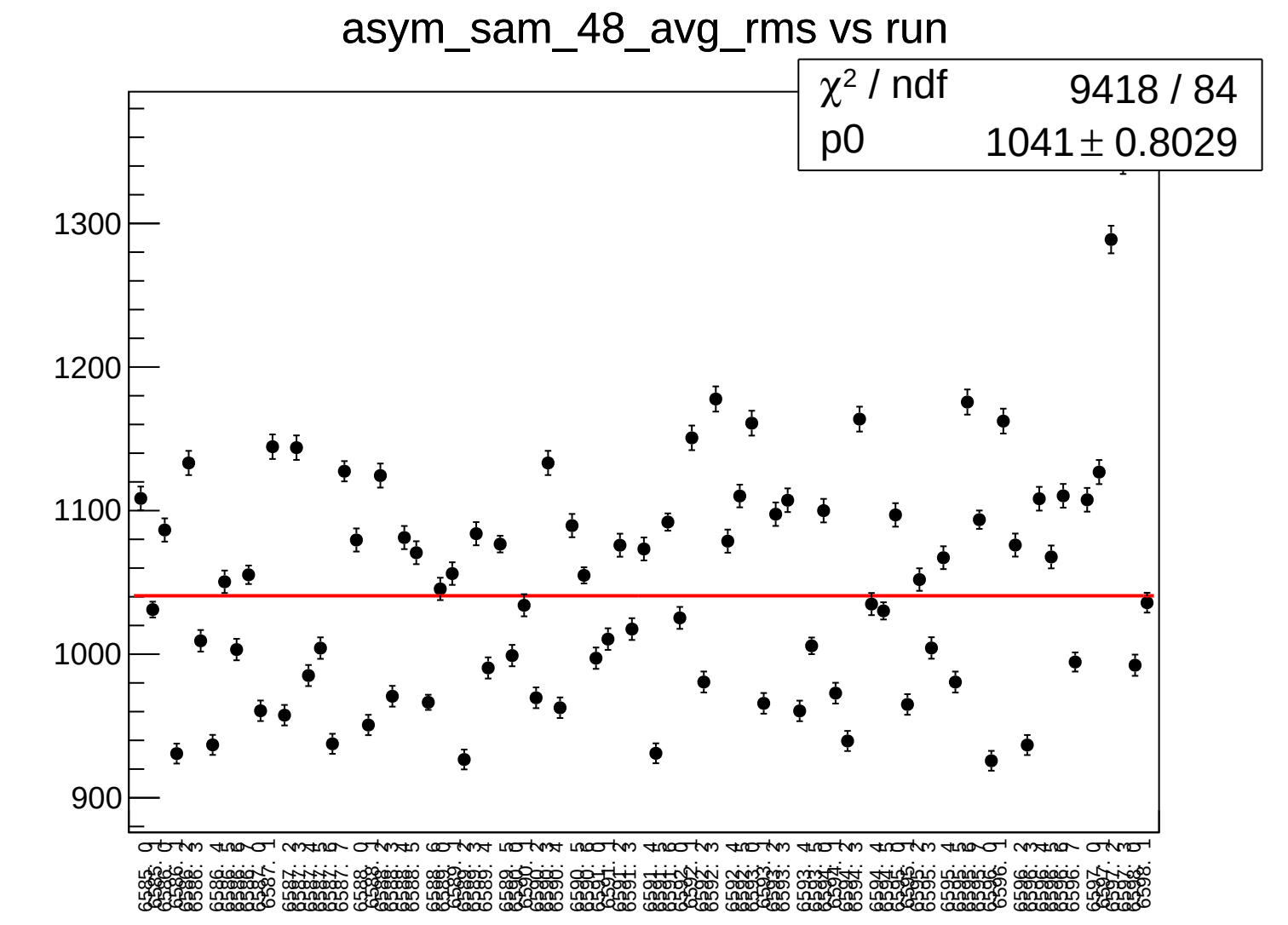

asym_sam_48_avg_correction_mean vs run
χ² / ndf 92.31 / 84
p0 −129.8 ± 1145
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean −312.4
Std Dev 451.1
2
1
0
−1
−2

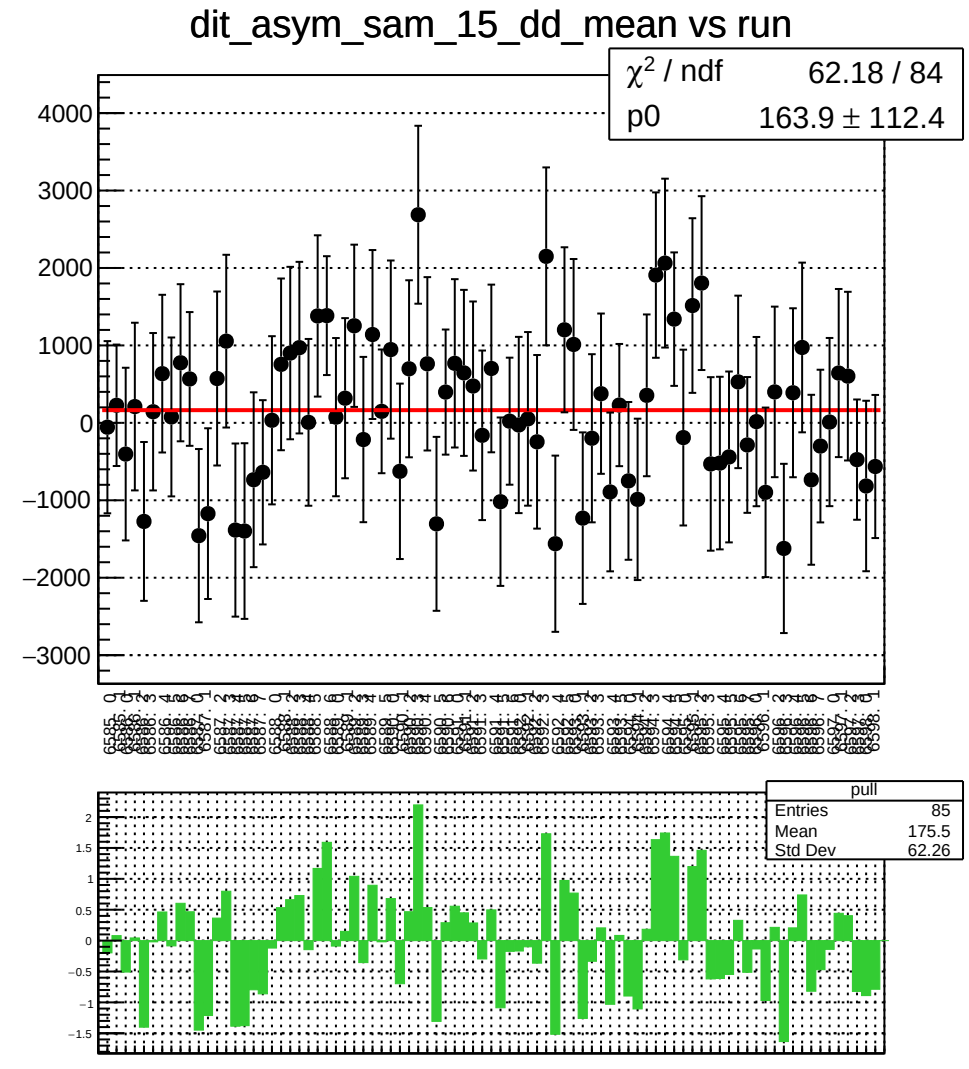

pull1D
Entries 85
Mean −0.00104
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

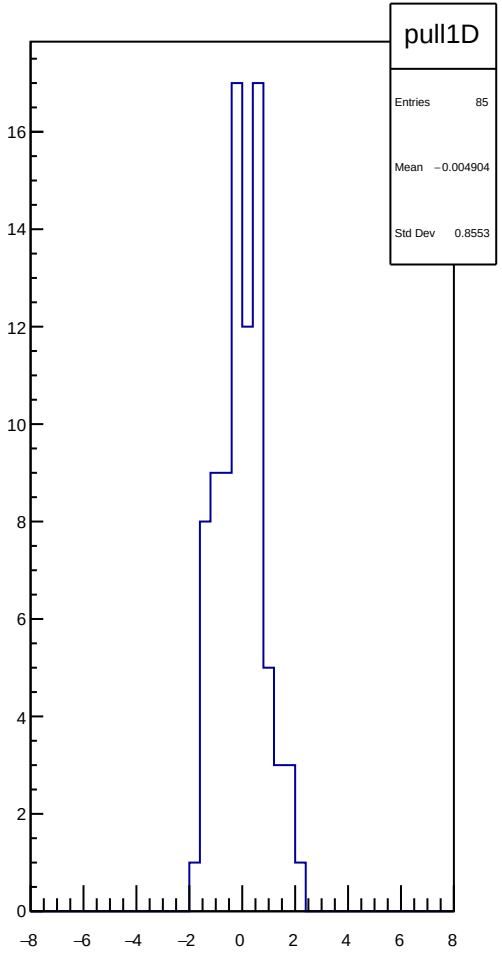

asym_sam_48_avg_correction_rms vs run
χ² / ndf 6134 / 84
p0 1051 ± 0.8099
1300
1250
1200
1150
1100
1050
1000
950

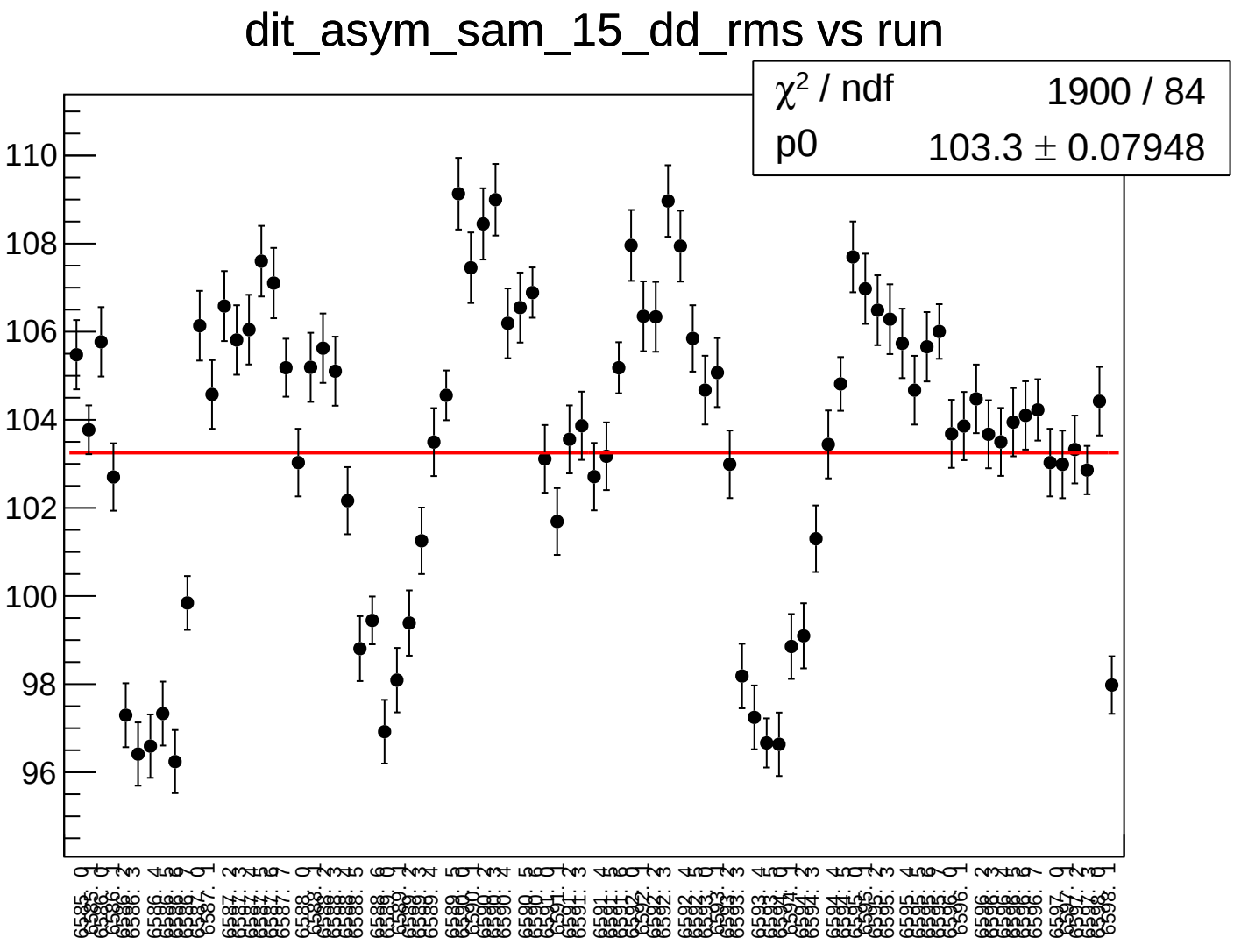

asym_sam_48_avg_mean vs run
χ² / ndf 94.43 / 84
p0 246.7 ± 1135
40000
20000
0
−20000
−40000
pull
Entries 85
Mean 0.01516
Std Dev 200.1
3
2
1
0
−1
−2

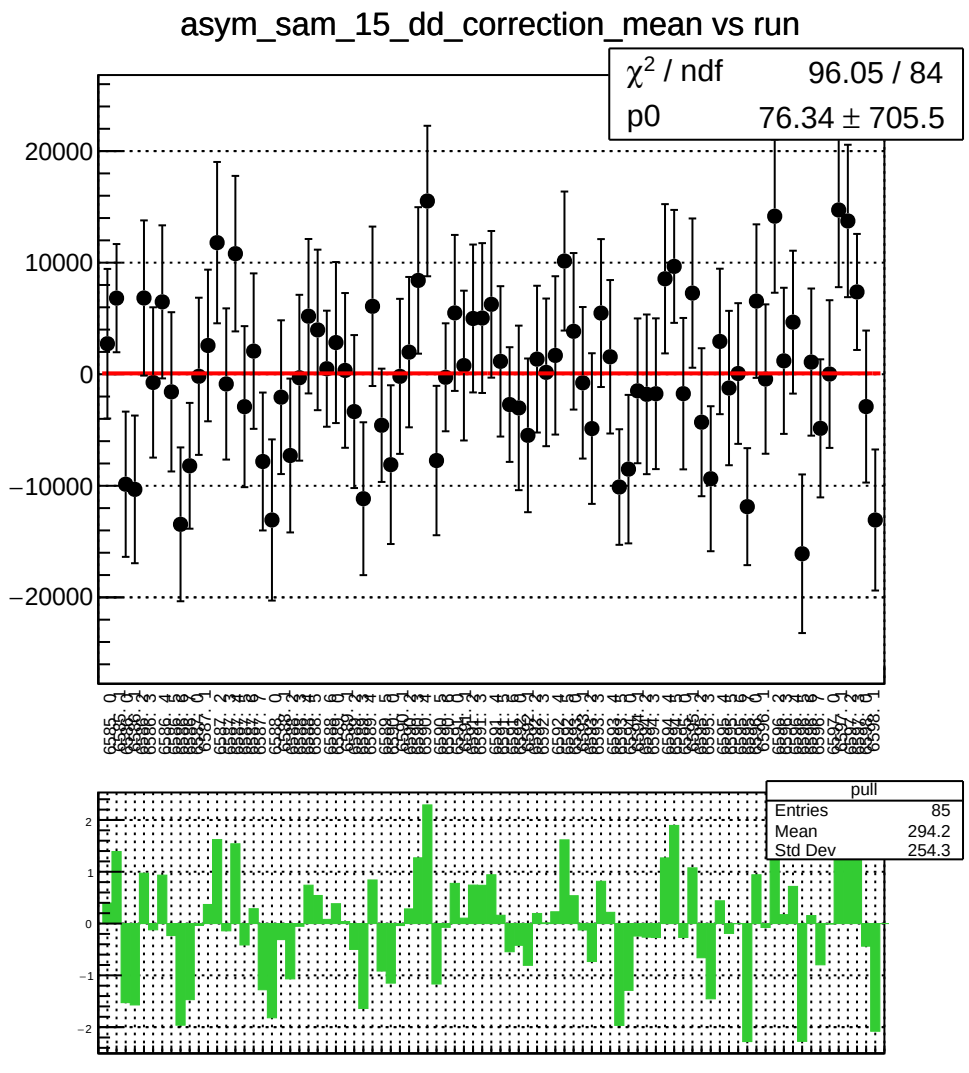

pull1D
Entries 85
Mean 0.002242
Std Dev 1.054
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

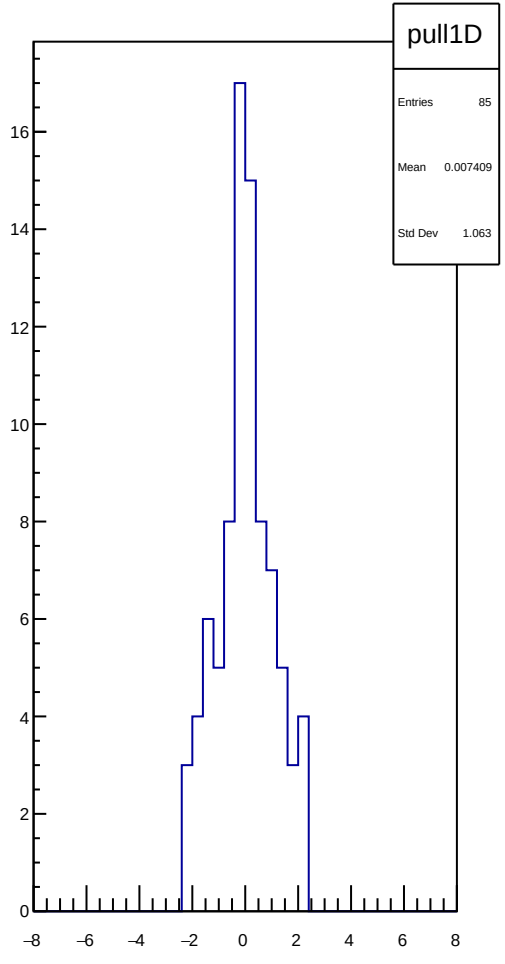

asym_sam_48_avg_rms vs run
χ² / ndf 9418 / 84
p0 1041 ± 0.8029
1300
1200
1100
1000
900

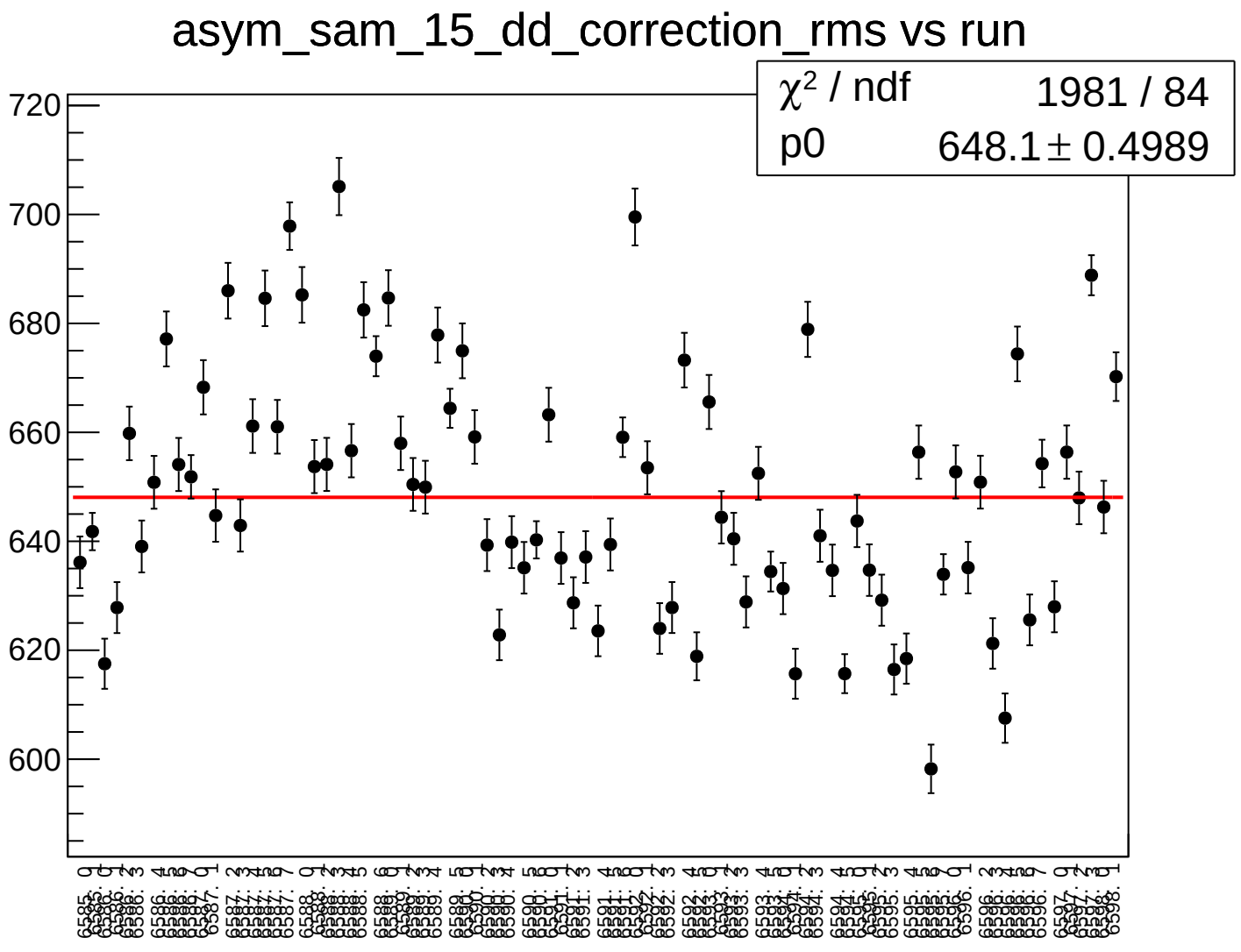

dit_asym_sam_15_dd_mean vs run
χ² / ndf 62.18 / 84
p0 163.9 ± 112.4
pull
Entries 85
Mean 175.5
Std Dev 62.26

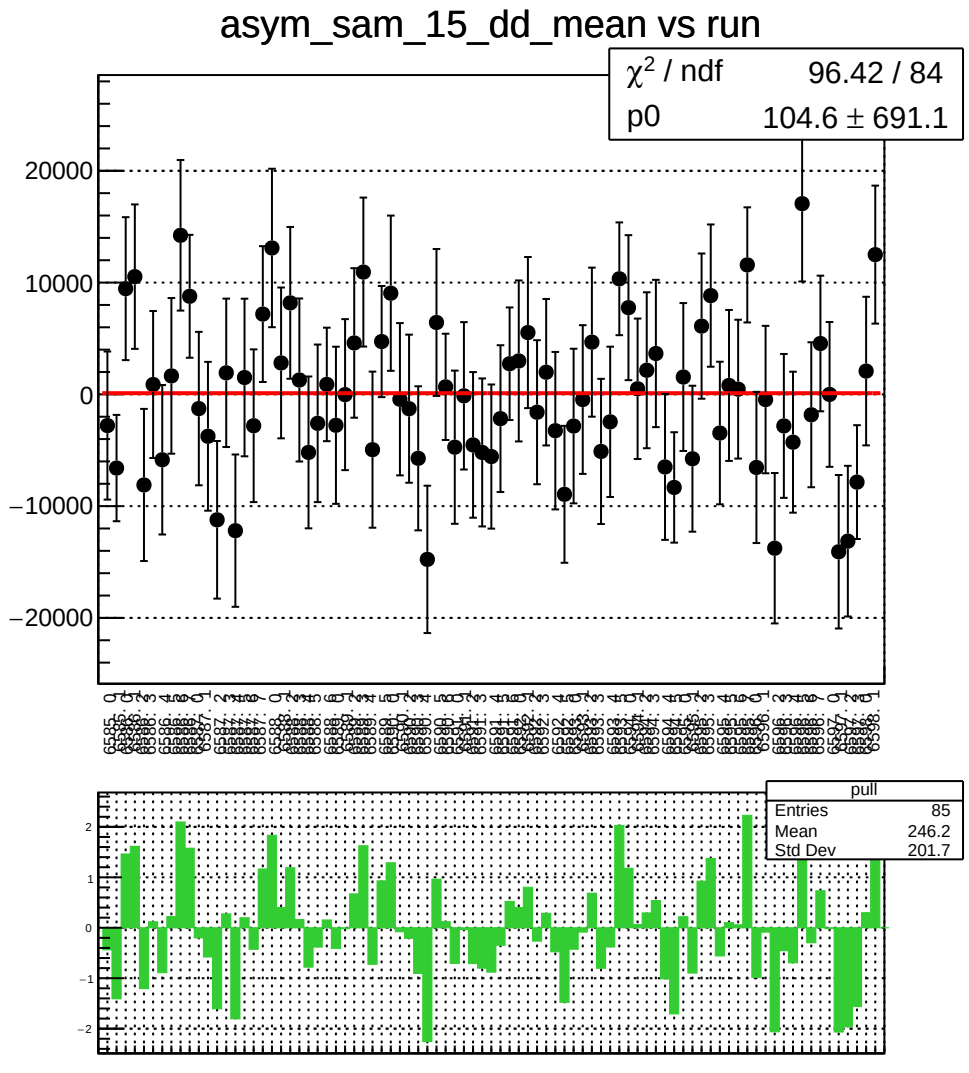

pull1D
Entries 85
Mean −0.004904
Std Dev 0.8553

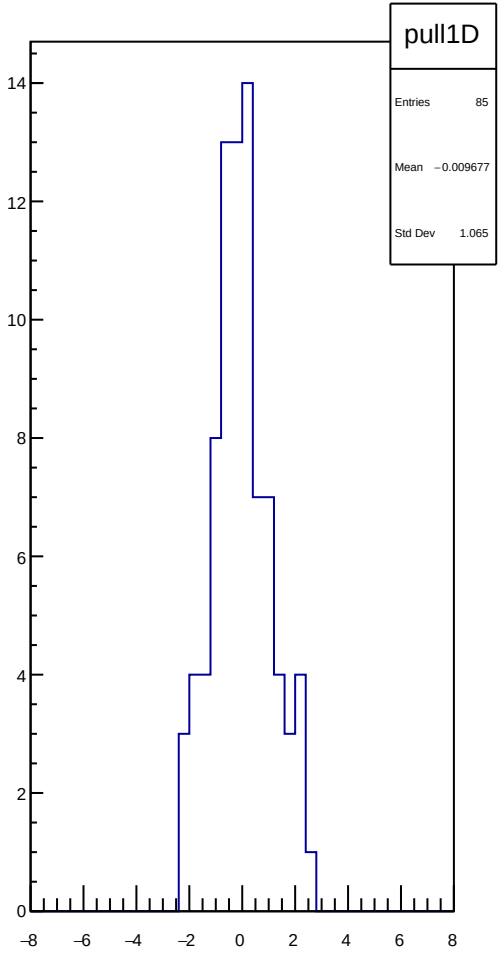

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 1900 / 84
p0 103.3 ± 0.07948
110
108
106
104
102
100
98
96

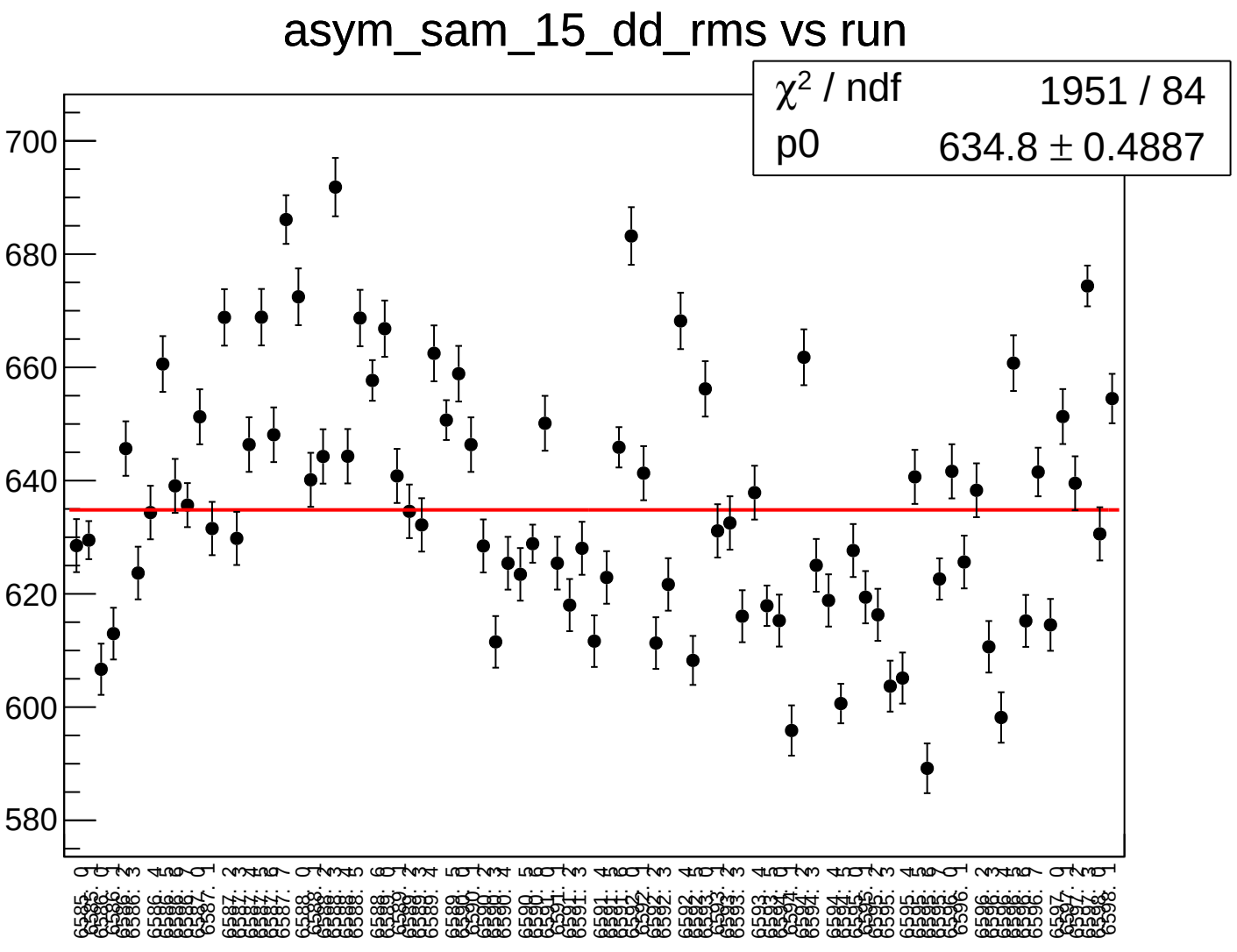

asym_sam_15_dd_correction_mean vs run
χ² / ndf 96.05 / 84
p0 76.34 ± 705.5
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 294.2
Std Dev 254.3
2
1
0
−1
−2

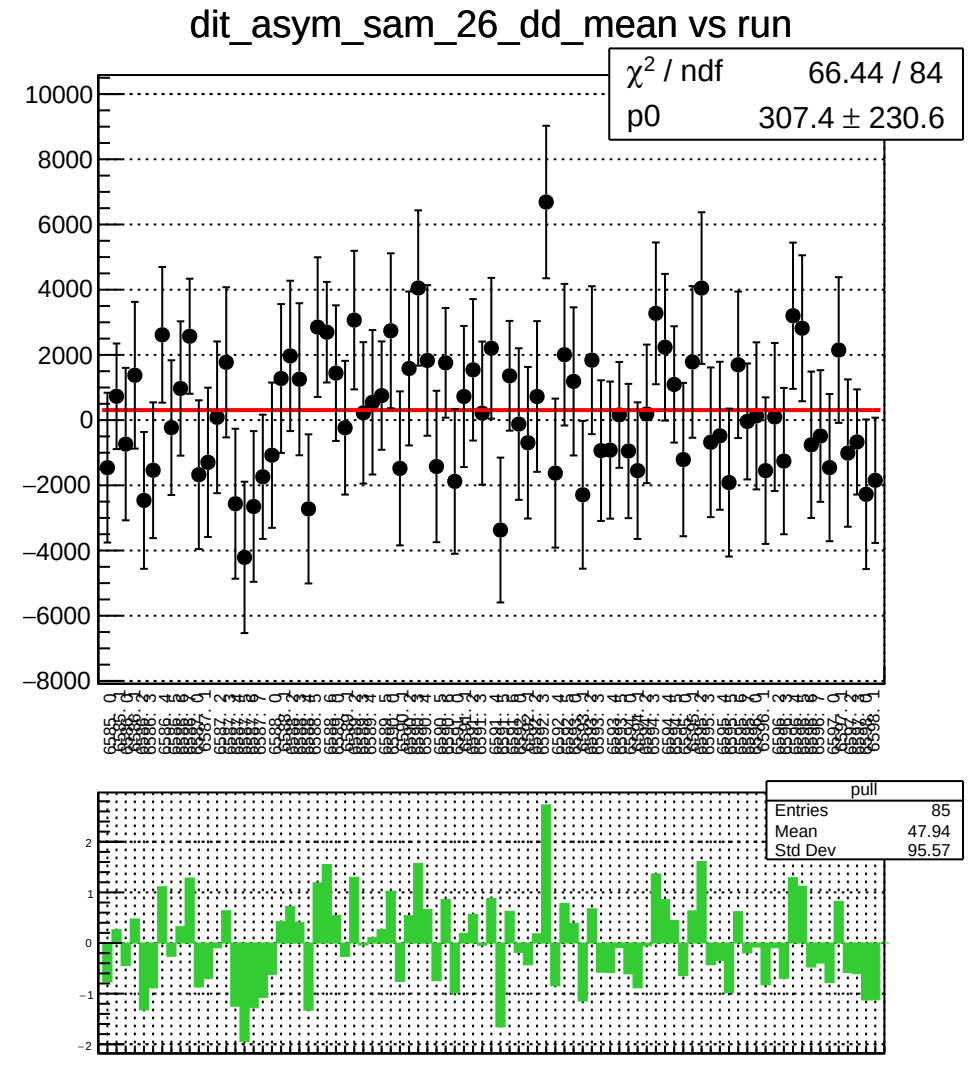

pull1D
Entries 85
Mean 0.007409
Std Dev 1.063
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

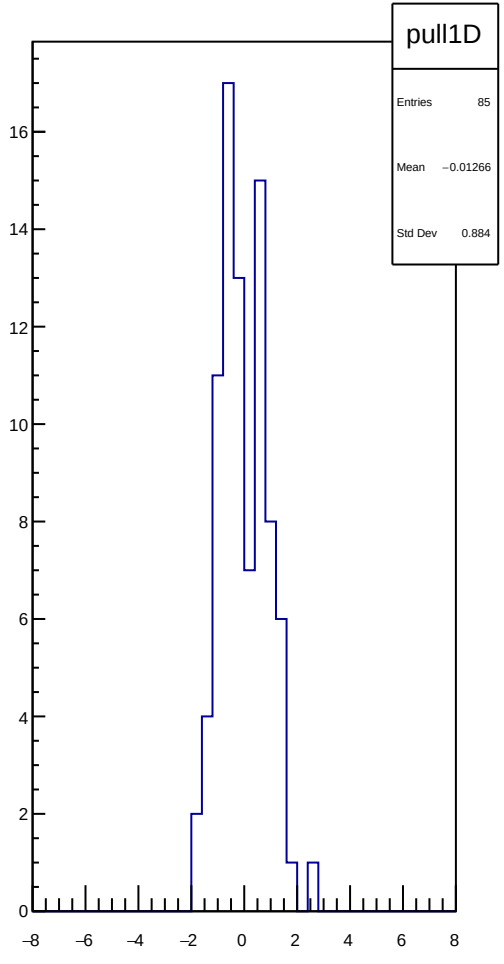

asym_sam_15_dd_correction_rms vs run
χ² / ndf 1981 / 84
p0 648.1 ± 0.4989
720
700
680
660
640
620
600

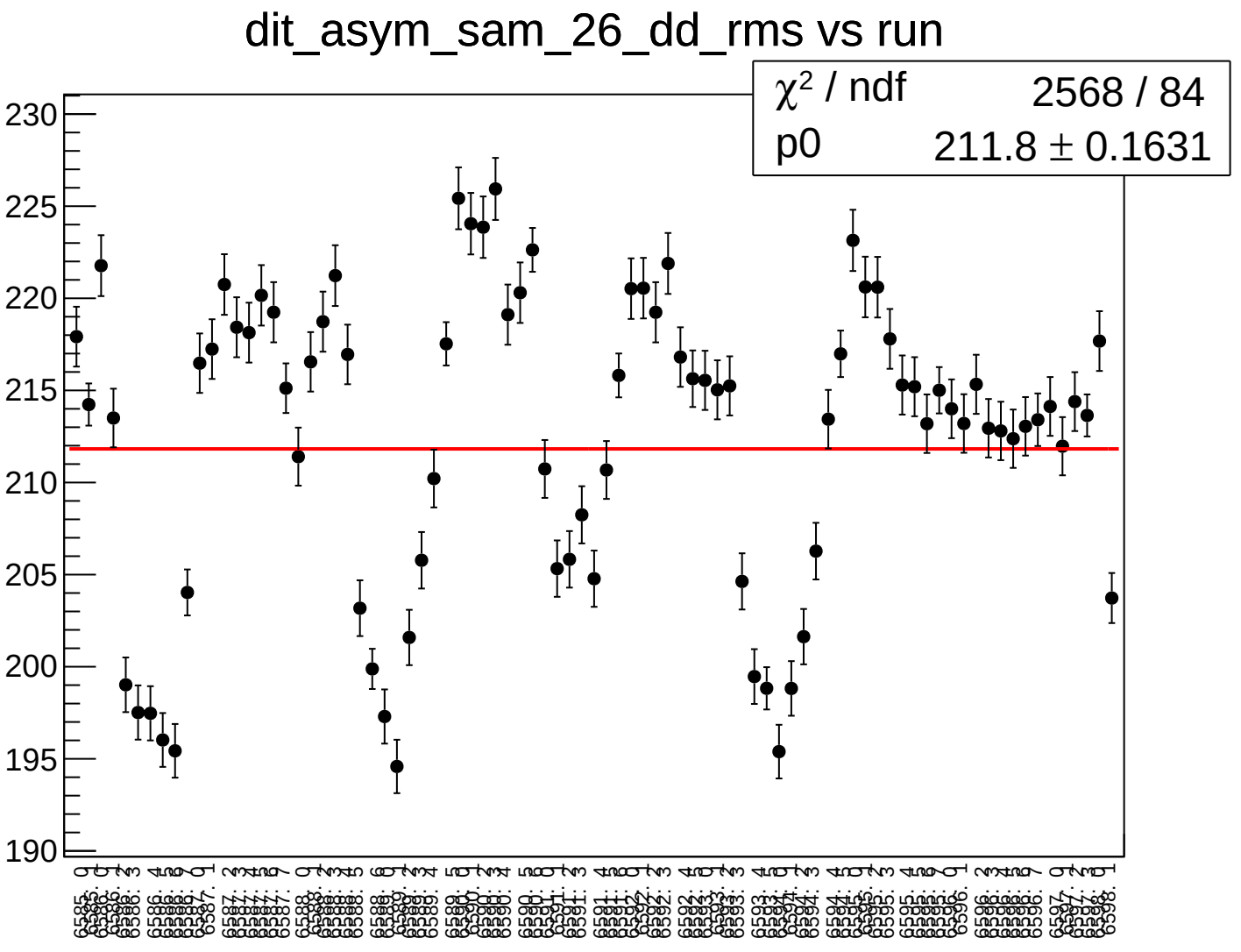

asym_sam_15_dd_mean vs run
χ² / ndf 96.42 / 84
p0 104.6 ± 691.1
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 246.2
Std Dev 201.7
2
1
0
−1
−2

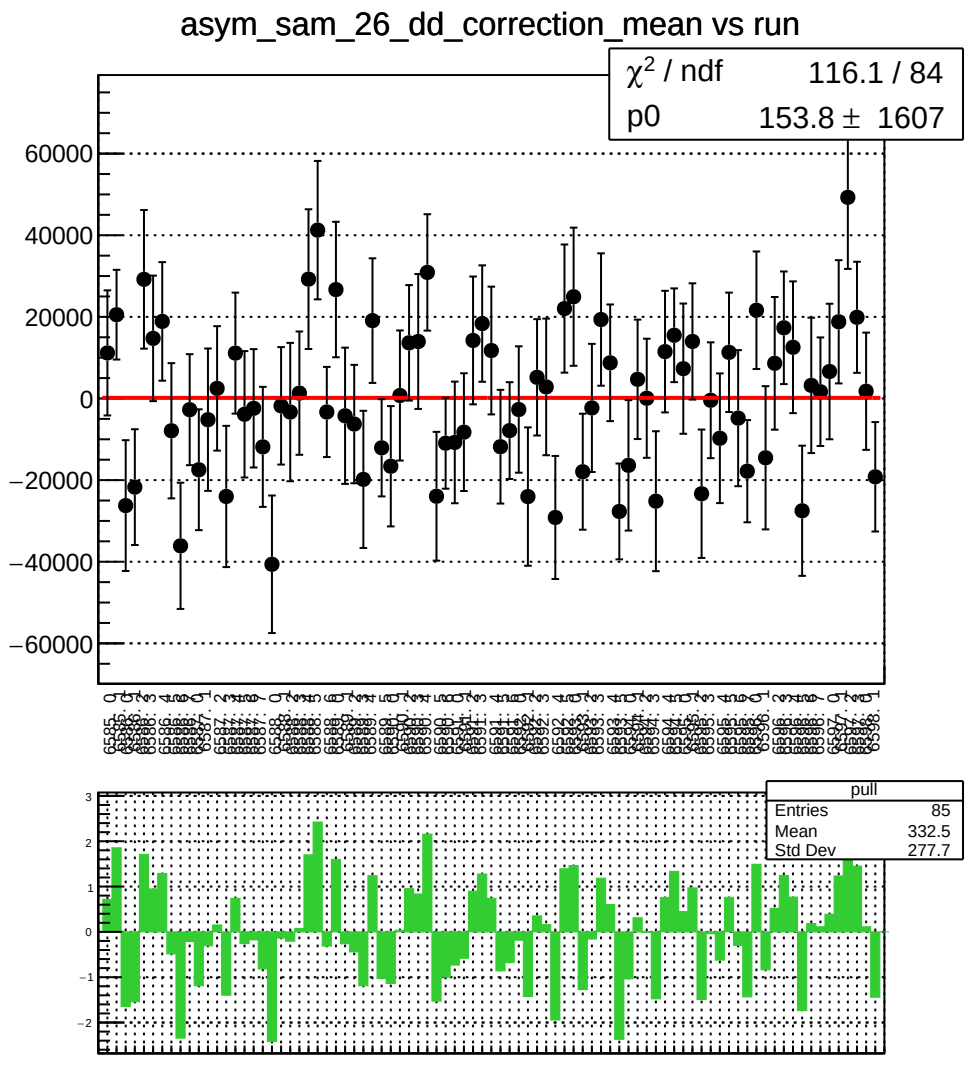

pull1D
Entries 85
Mean −0.009677
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

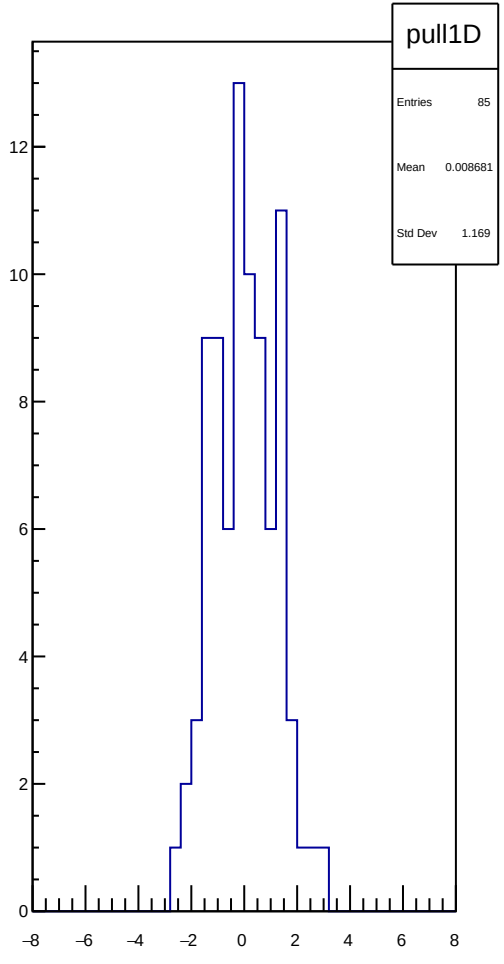

asym_sam_15_dd_rms vs run
χ² / ndf 1951 / 84
p0 634.8 ± 0.4887
700
680
660
640
620
600
580

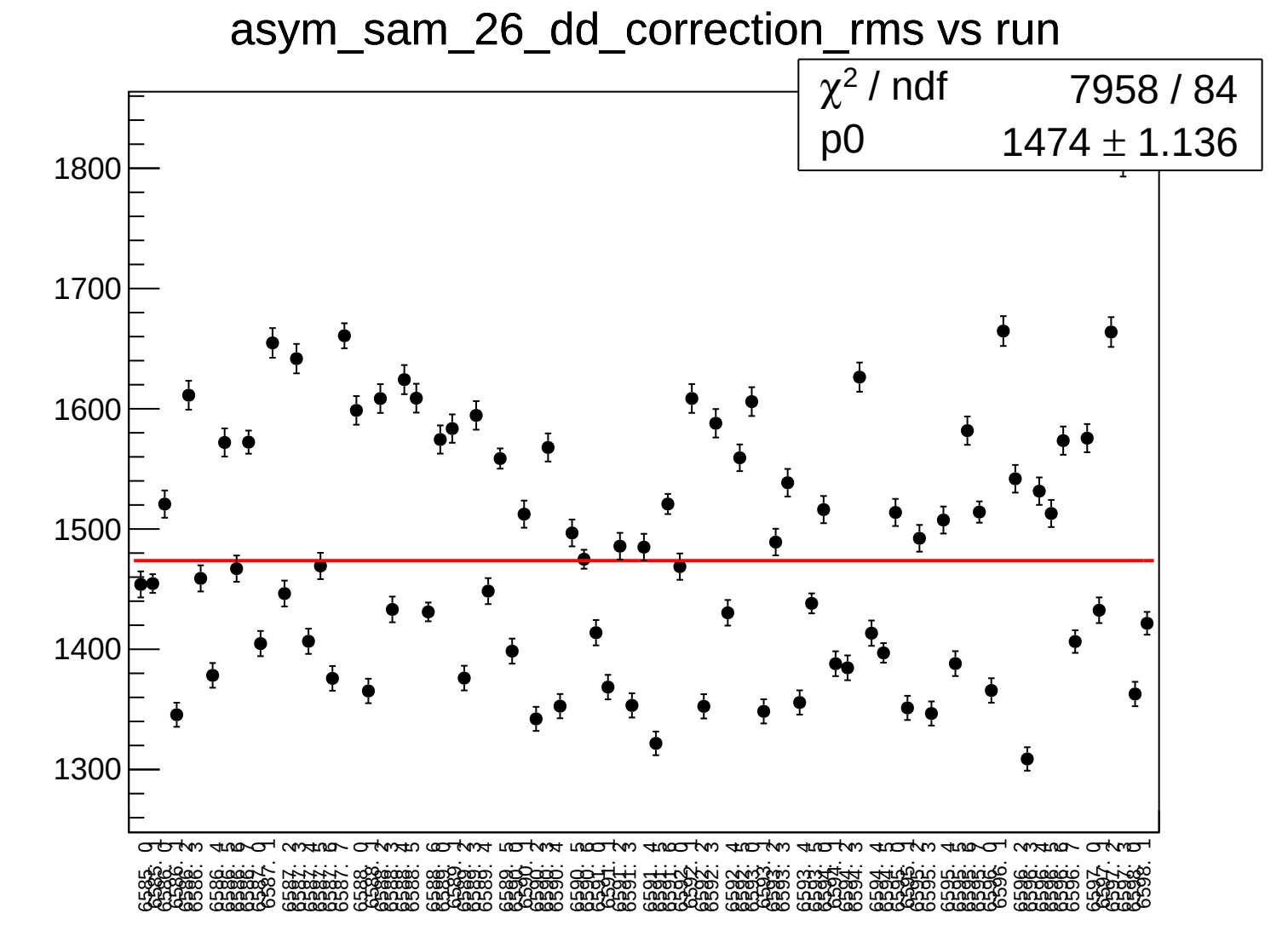

dit_asym_sam_26_dd_mean vs run
χ² / ndf 66.44 / 84
p0 307.4 ± 230.6
pull
Entries 85
Mean 47.94
Std Dev 95.57

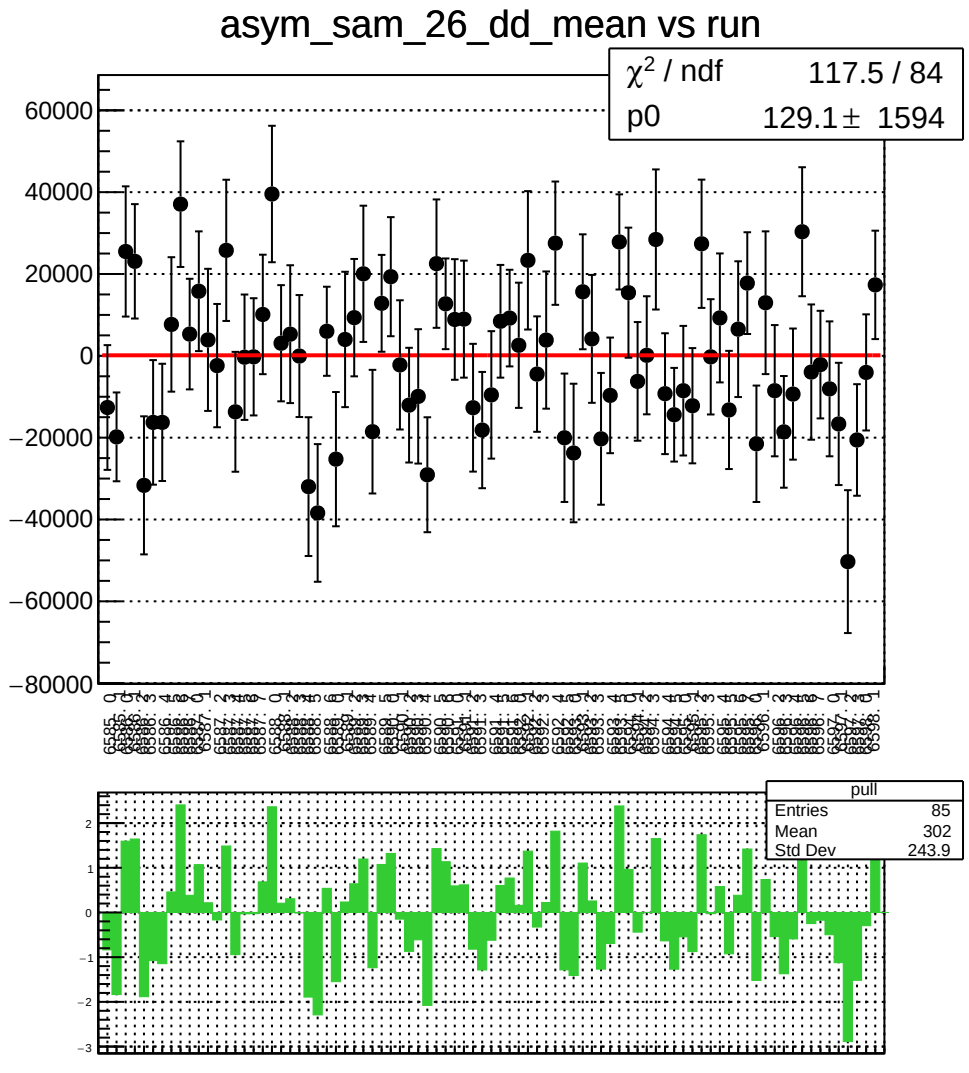

pull1D
Entries 85
Mean −0.01266
Std Dev 0.884

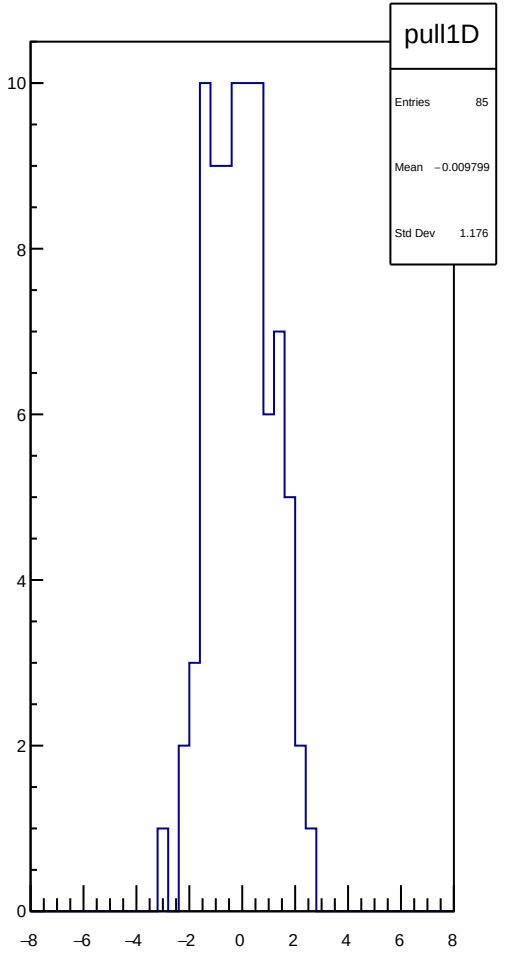

dit_asym_sam_26_dd_rms vs run
χ² / ndf 2568 / 84
p0 211.8 ± 0.1631
230
225
220
215
210
205
200
195
190

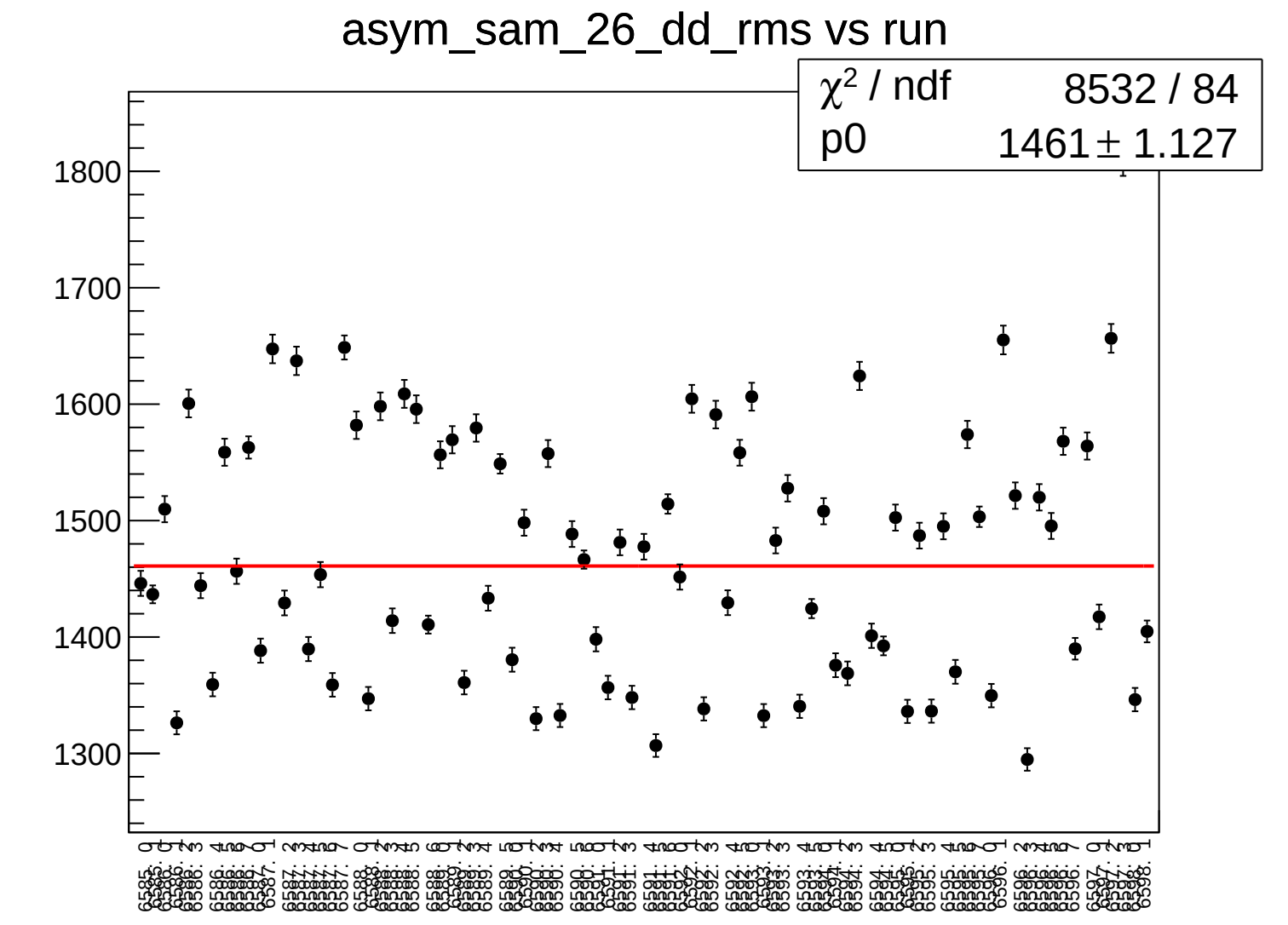

asym_sam_26_dd_correction_mean vs run
χ² / ndf 116.1 / 84
p0 153.8 ± 1607
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 85
Mean 332.5
Std Dev 277.7
3
2
1
0
−1
−2

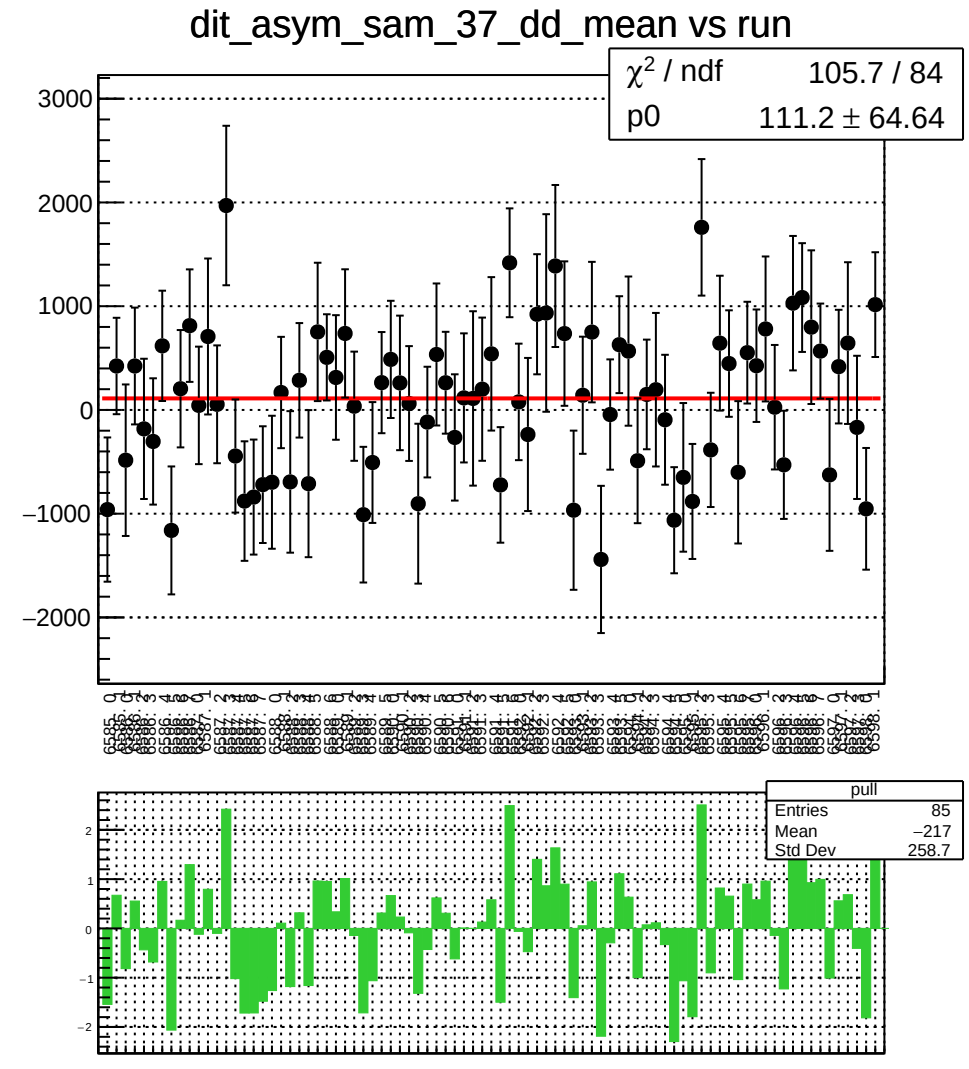

pull1D
Entries 85
Mean 0.008681
Std Dev 1.169
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

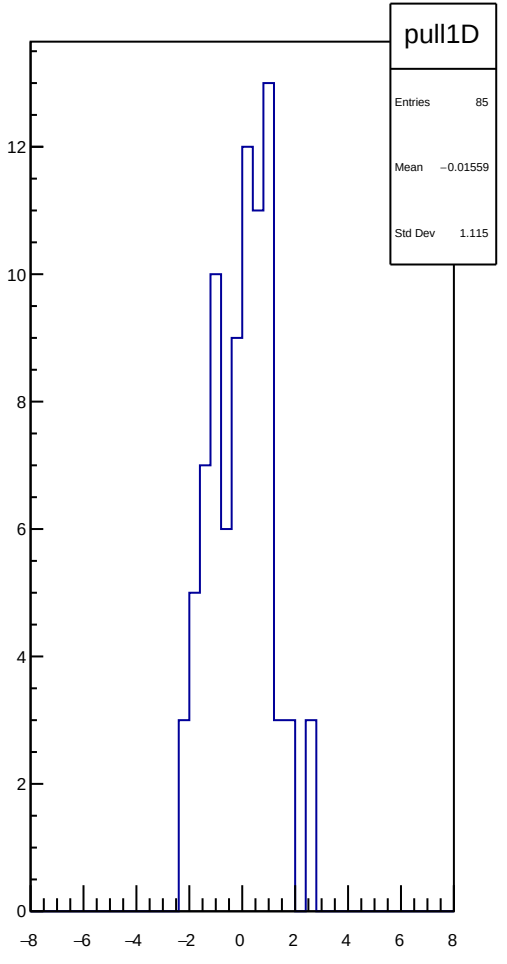

asym_sam_26_dd_correction_rms vs run
χ² / ndf 7958 / 84
p0 1474 ± 1.136
1800
1700
1600
1500
1400
1300

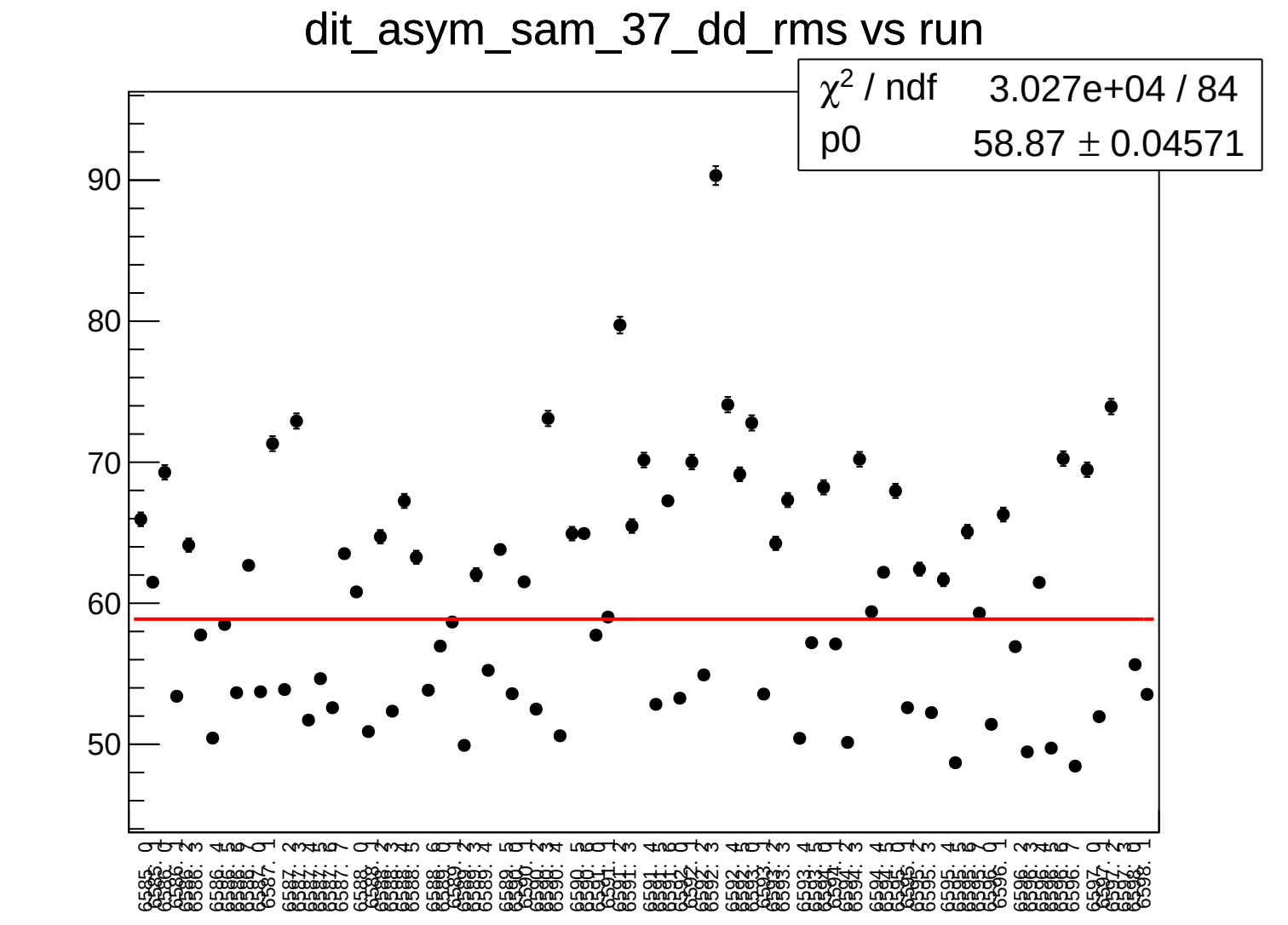

asym_sam_26_dd_mean vs run
χ² / ndf 117.5 / 84
p0 129.1 ± 1594
pull
Entries 85
Mean 302
Std Dev 243.9

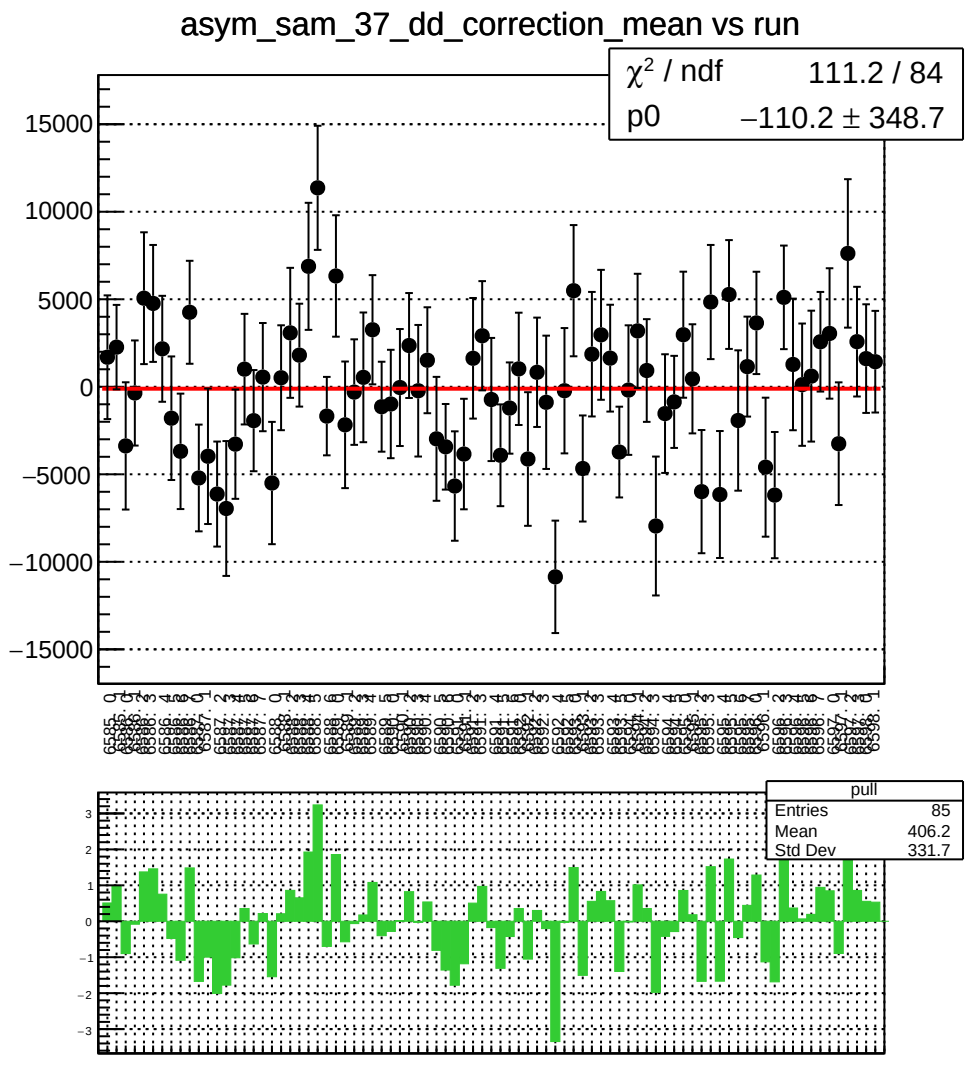

pull1D
Entries 85
Mean −0.009799
Std Dev 1.176

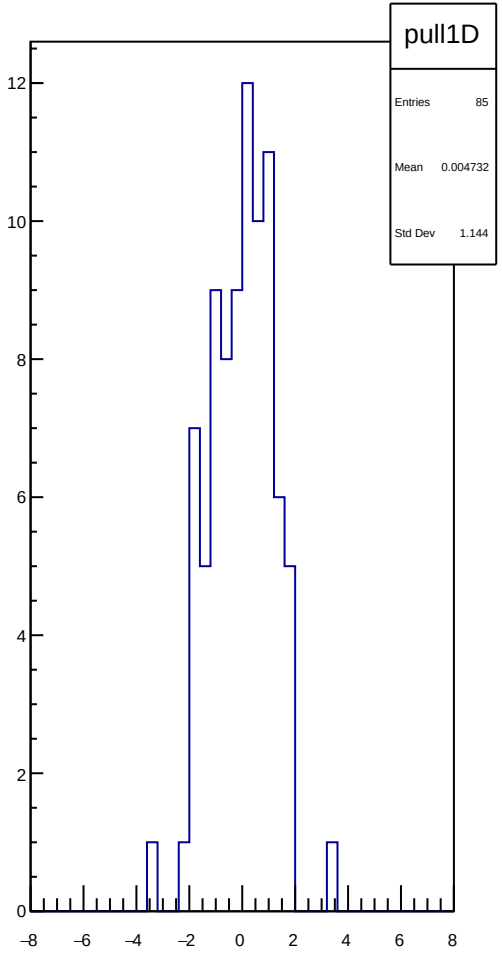

asym_sam_26_dd_rms vs run
χ² / ndf 8532 / 84
p0 1461 ± 1.127
1800
1700
1600
1500
1400
1300

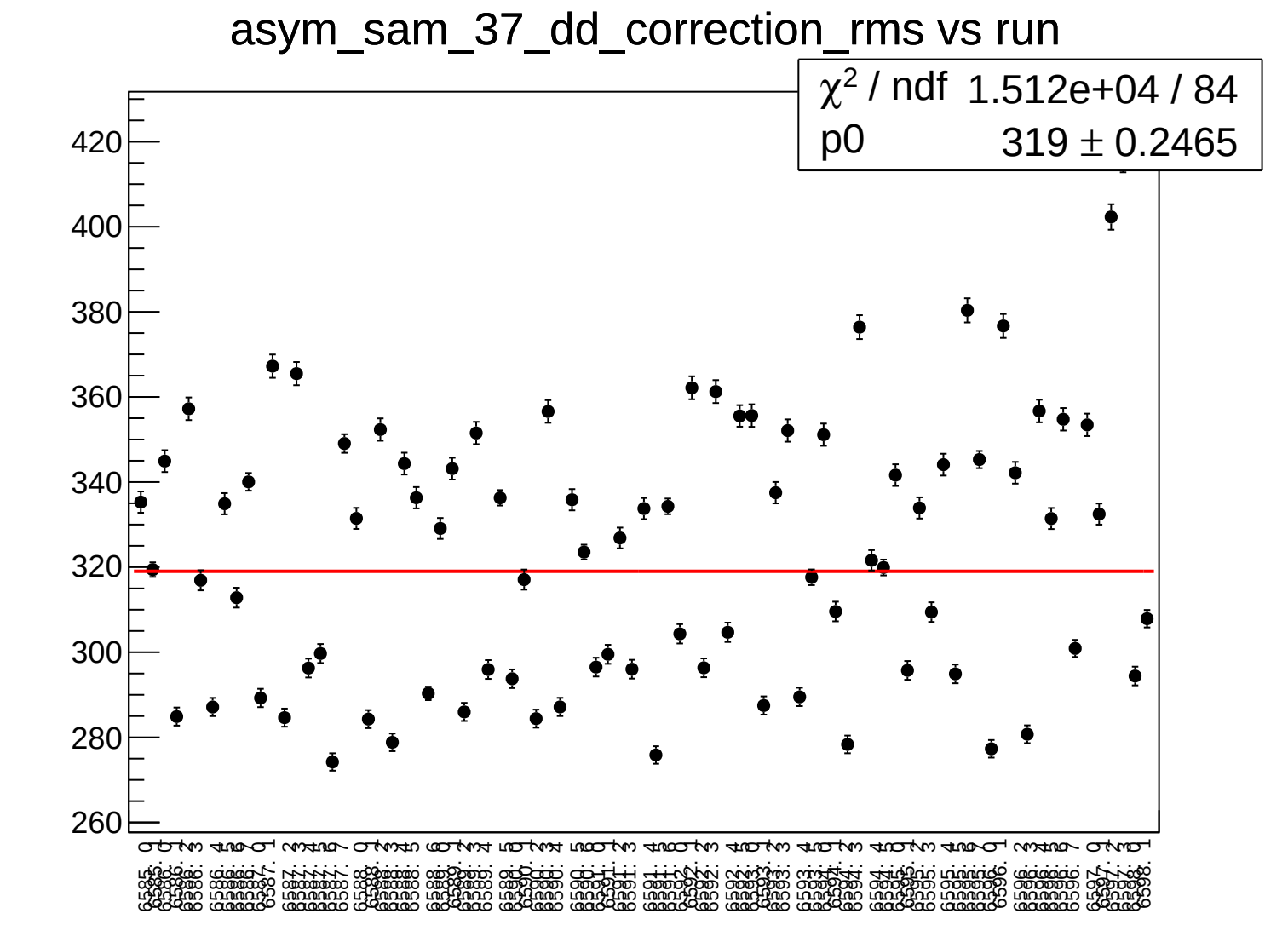

dit_asym_sam_37_dd_mean vs run
χ² / ndf 105.7 / 84
p0 111.2 ± 64.64
3000
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −217
Std Dev 258.7
2
1
0
−1
−2

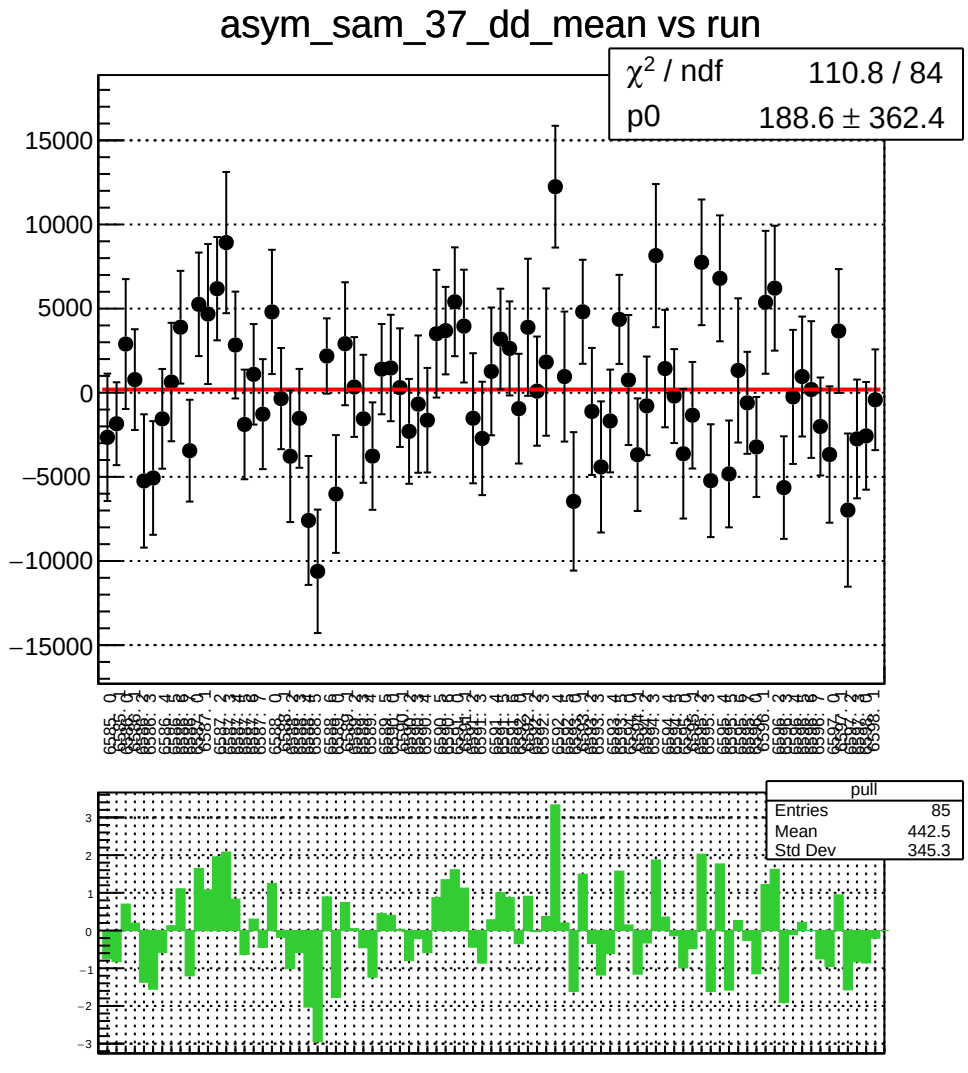

pull1D
Entries 85
Mean −0.01559
Std Dev 1.115
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

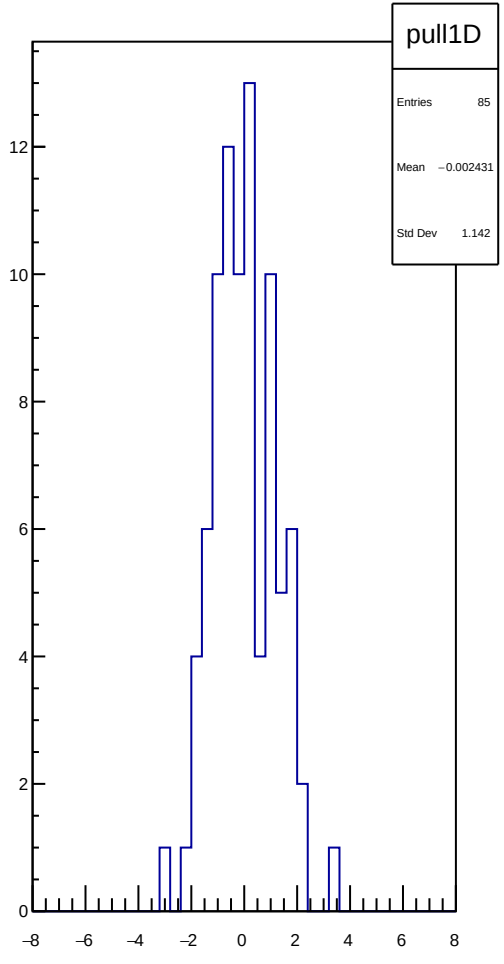

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 3.027e+04 / 84
p0 58.87 ± 0.04571
90
80
70
60
50

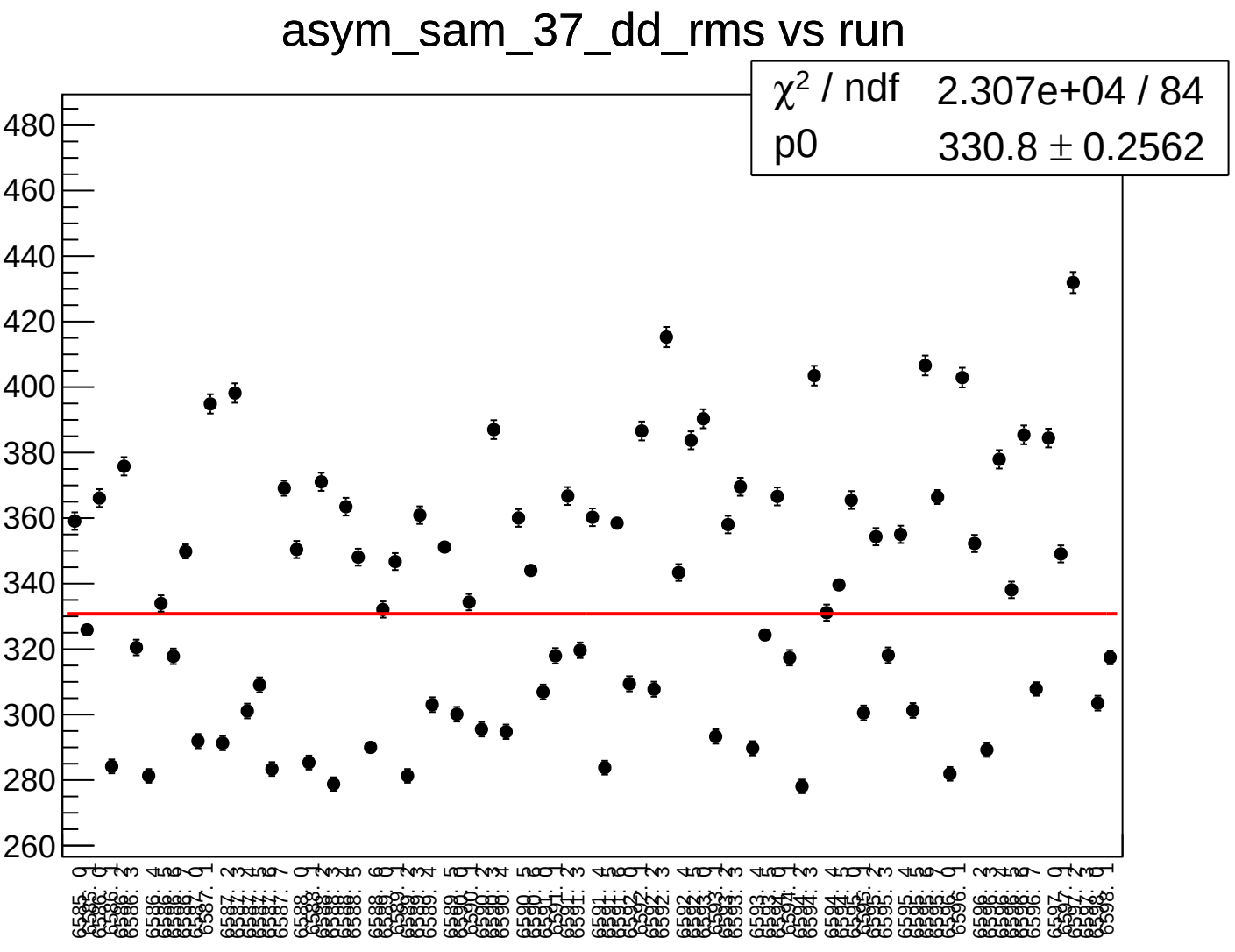

asym_sam_37_dd_correction_mean vs run
χ² / ndf 111.2 / 84
p0 −110.2 ± 348.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 406.2
Std Dev 331.7
3
2
1
0
−1
−2
−3

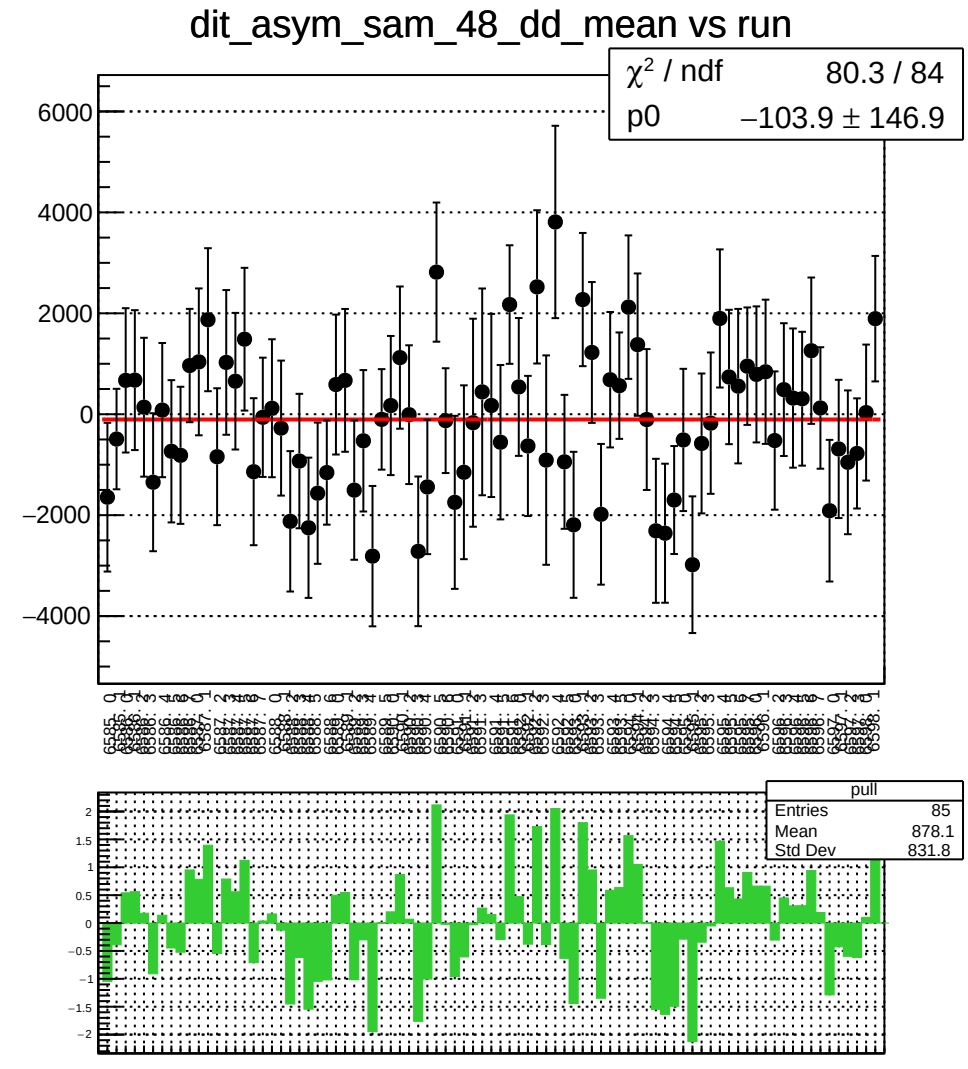

pull1D
Entries 85
Mean 0.004732
Std Dev 1.144
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

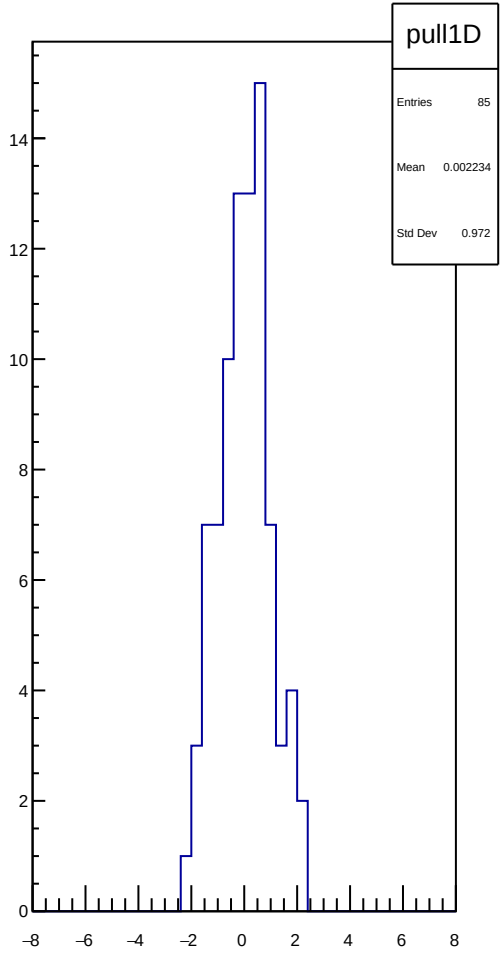

asym_sam_37_dd_correction_rms vs run
χ² / ndf 1.512e+04 / 84
p0 319 ± 0.2465
420
400
380
360
340
320
300
280
260

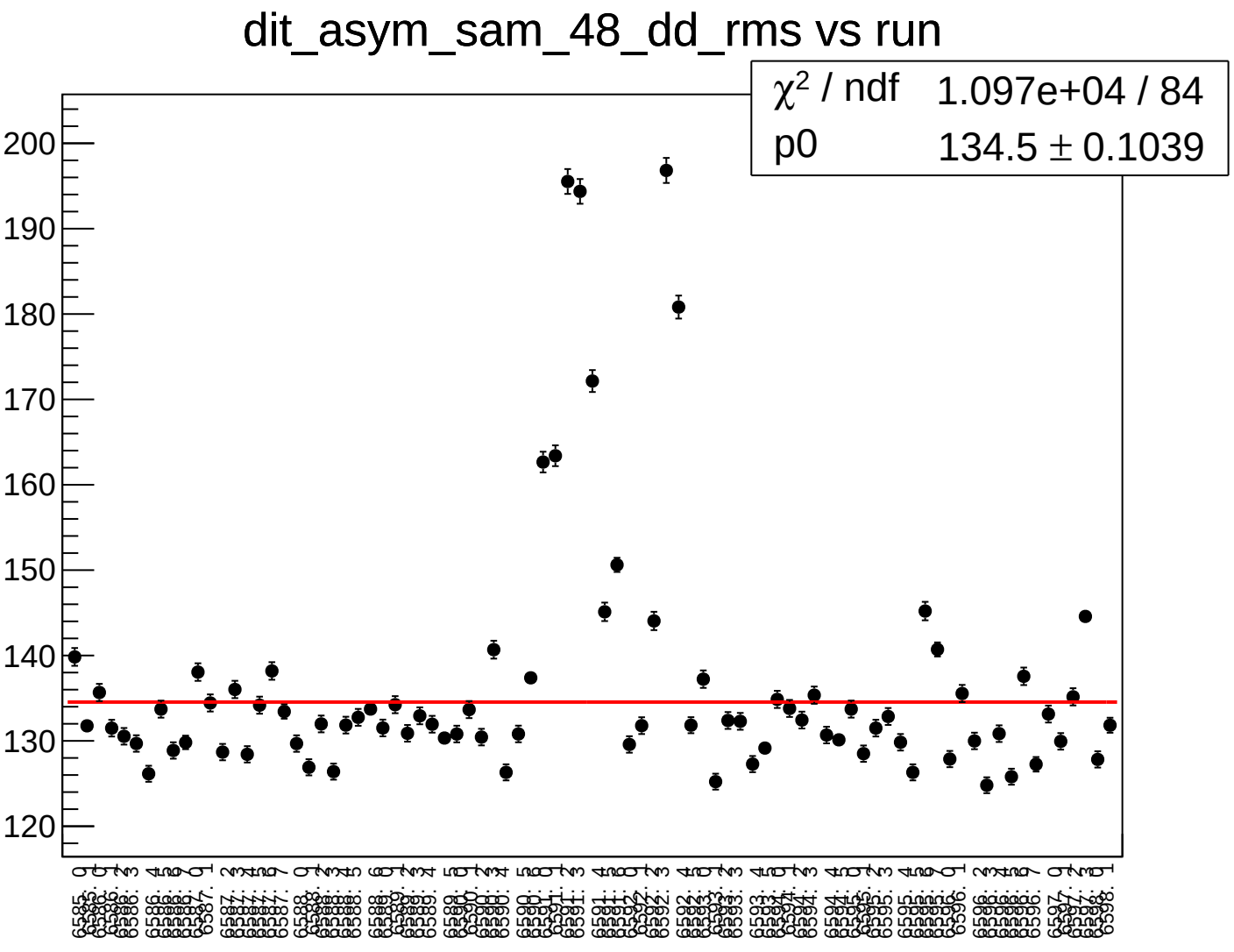

asym_sam_37_dd_mean vs run
χ² / ndf 110.8 / 84
p0 188.6 ± 362.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 442.5
Std Dev 345.3
3
2
1
0
−1
−2
−3

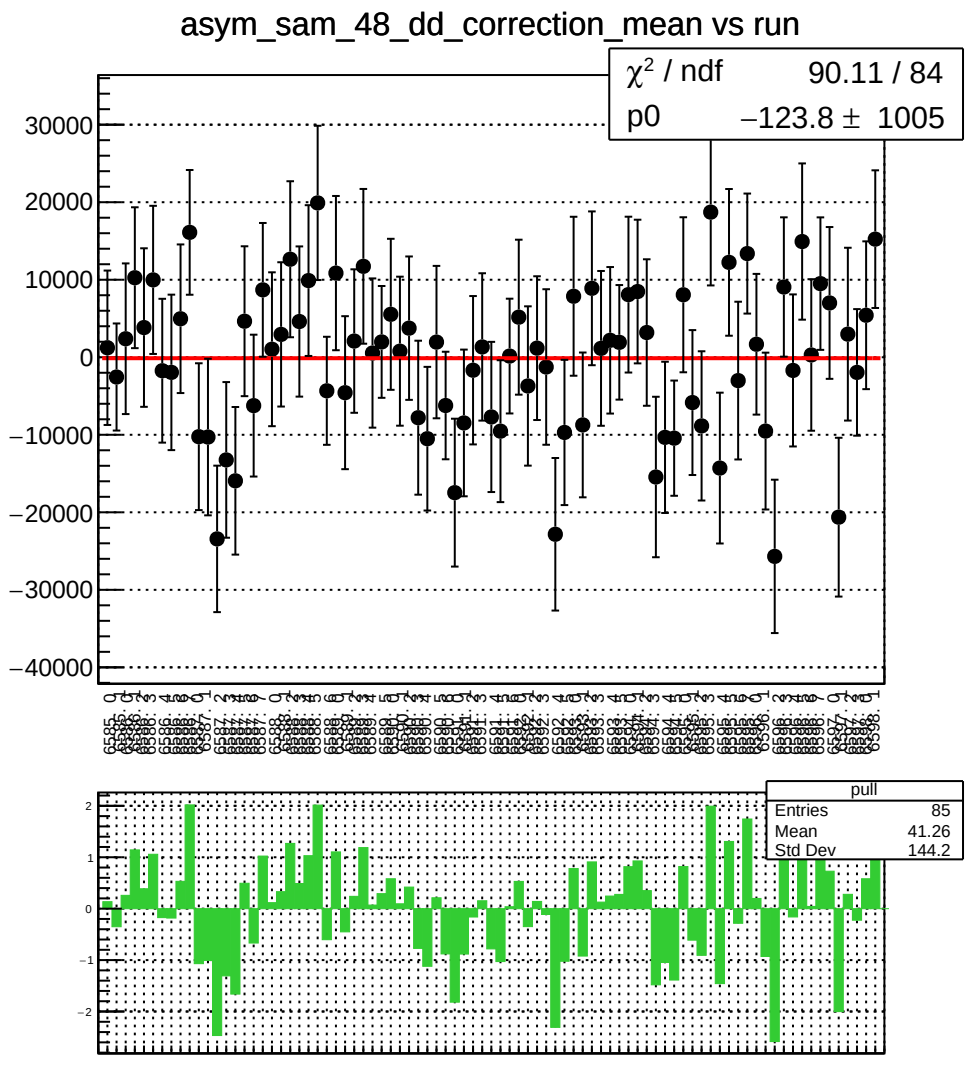

pull1D
Entries 85
Mean −0.002431
Std Dev 1.142
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

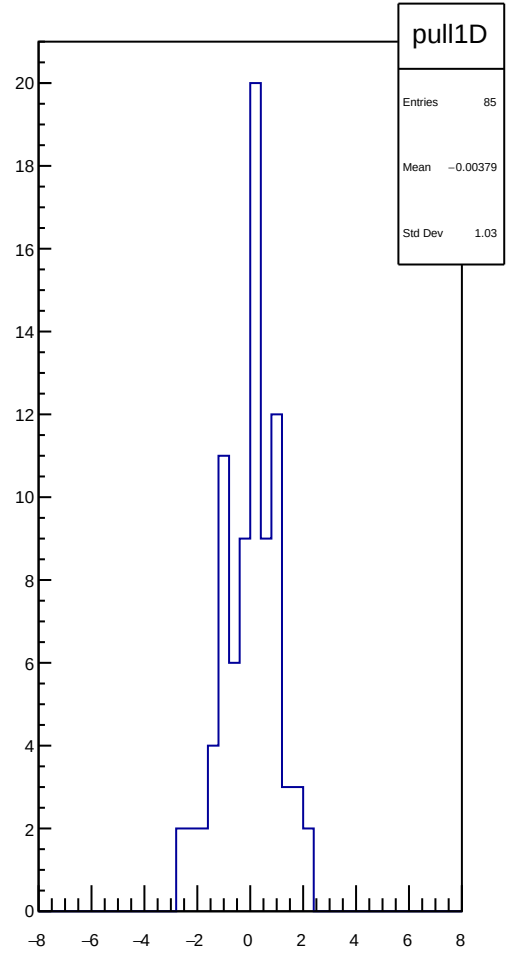

asym_sam_37_dd_rms vs run
χ² / ndf 2.307e+04 / 84
p0 330.8 ± 0.2562
480
460
440
420
400
380
360
340
320
300
280
260

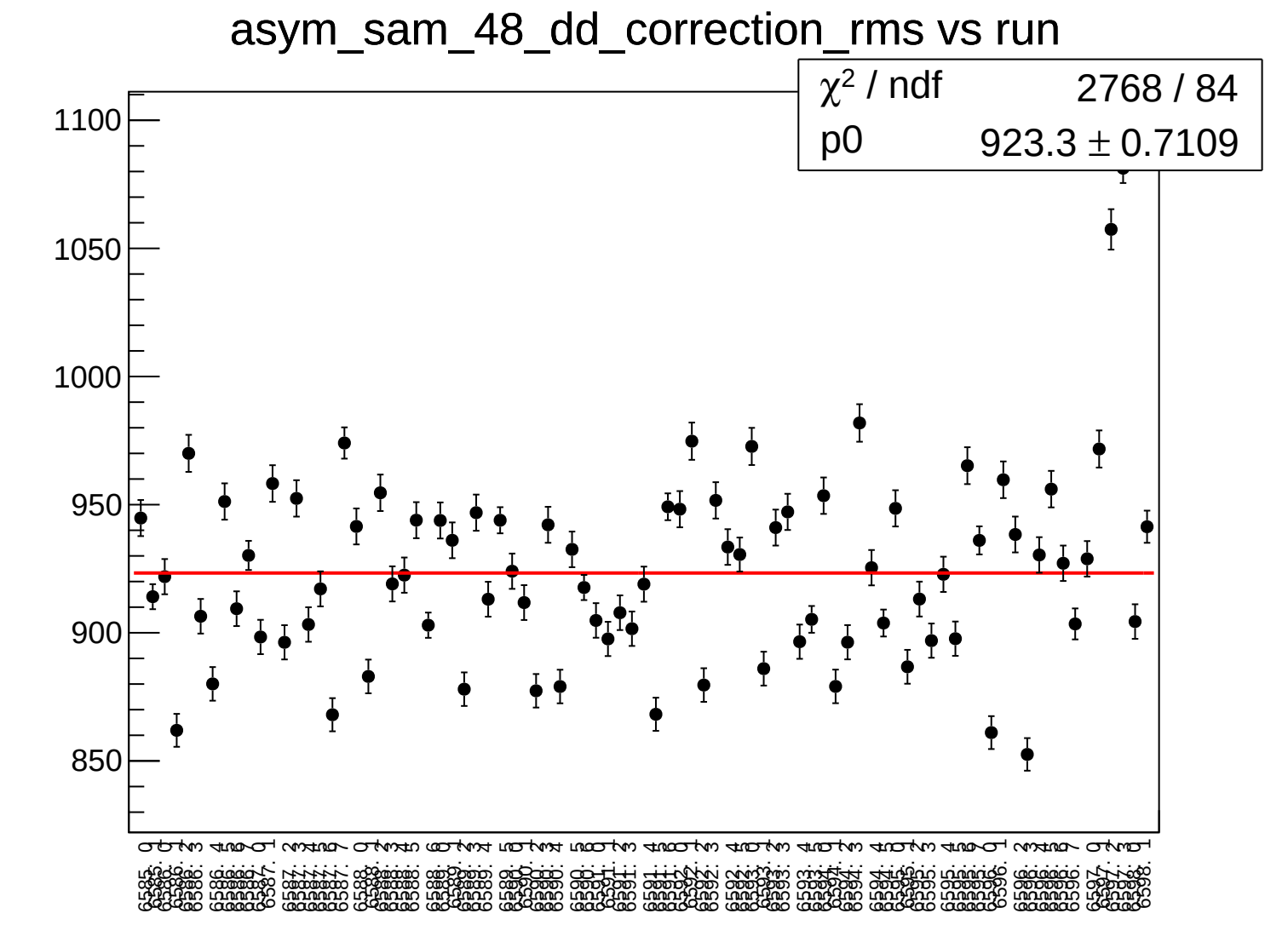

dit_asym_sam_48_dd_mean vs run
χ² / ndf 80.3 / 84
p0 −103.9 ± 146.9
pull
Entries 85
Mean 878.1
Std Dev 831.8

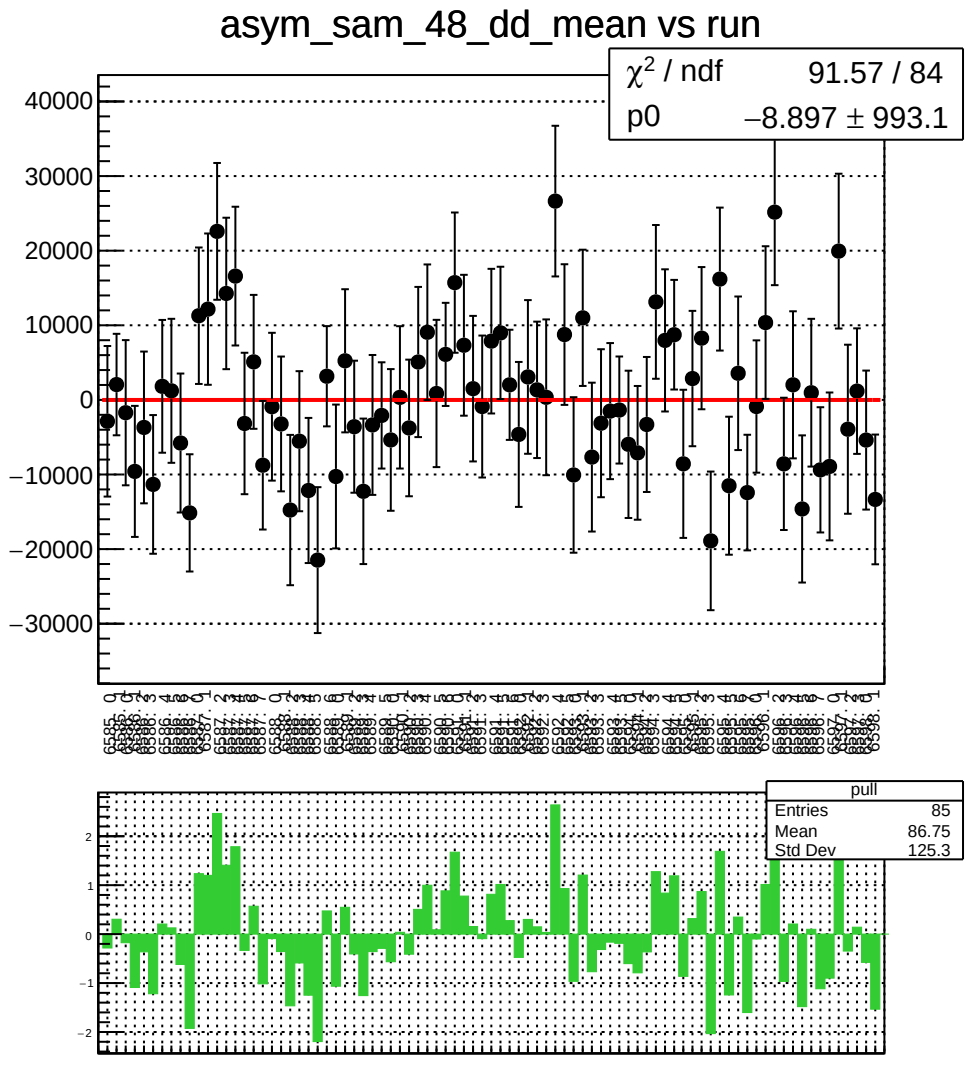

pull1D
Entries 85
Mean 0.002234
Std Dev 0.972

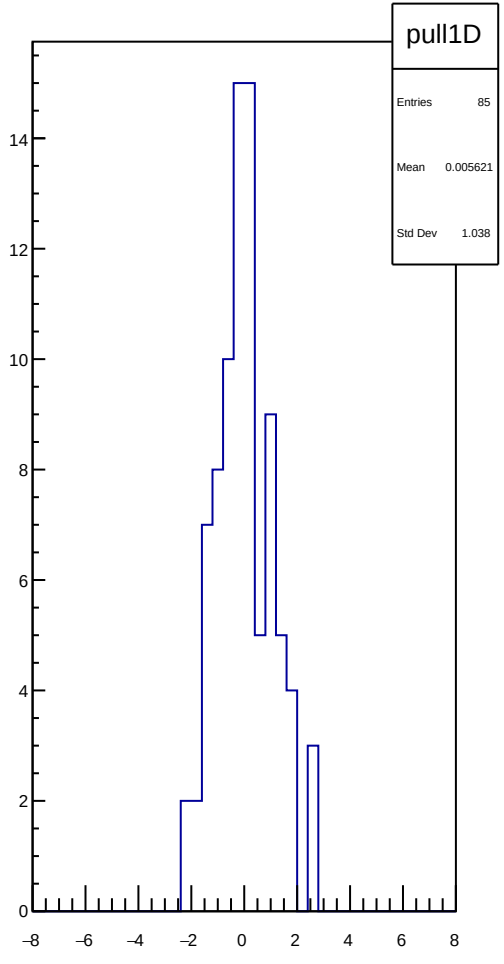

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.097e+04 / 84
p0 134.5 ± 0.1039
200
190
180
170
160
150
140
130
120

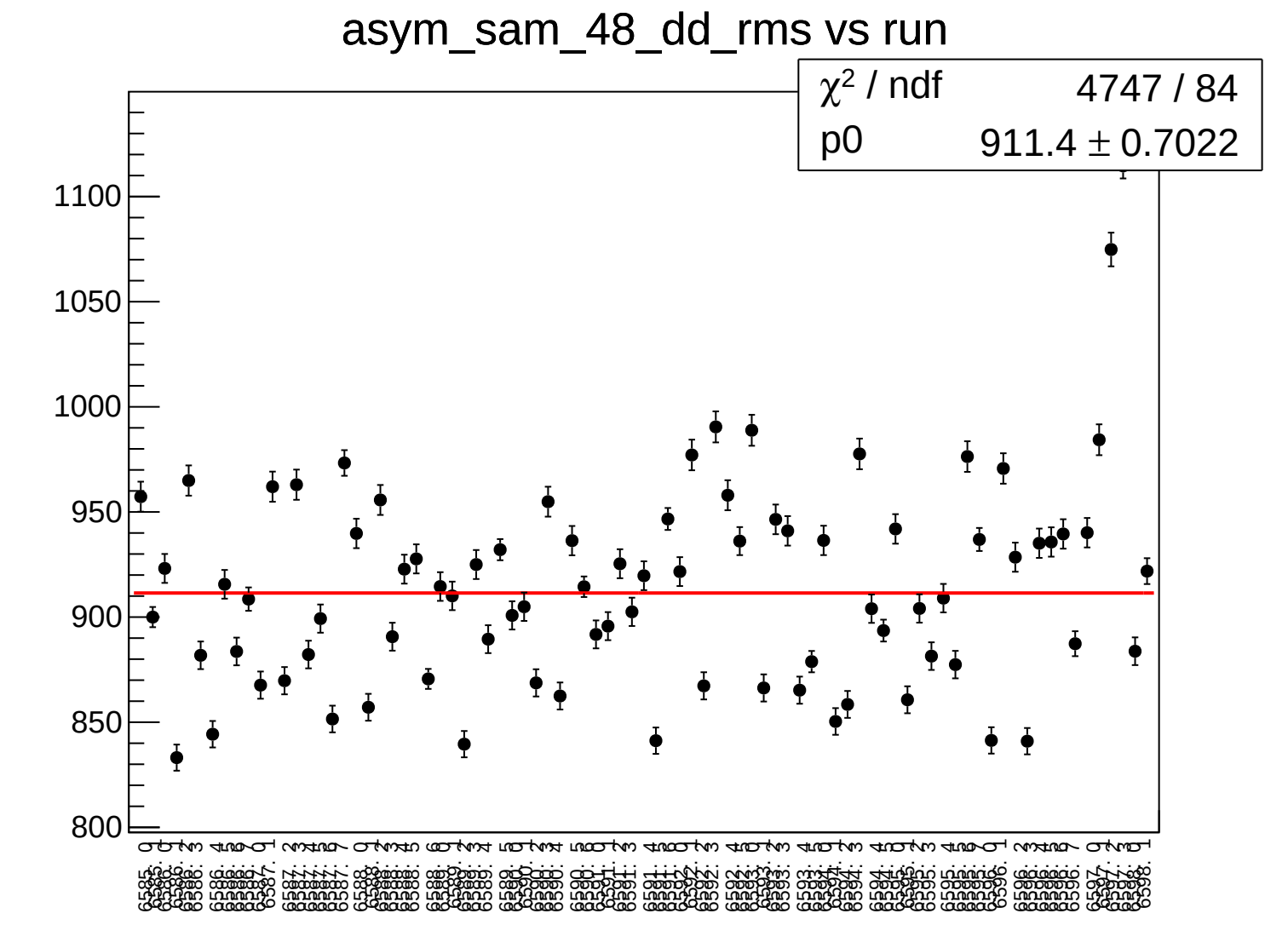

asym_sam_48_dd_correction_mean vs run
χ² / ndf 90.11 / 84
p0 −123.8 ± 1005
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean 41.26
Std Dev 144.2
2
1
0
−1
−2

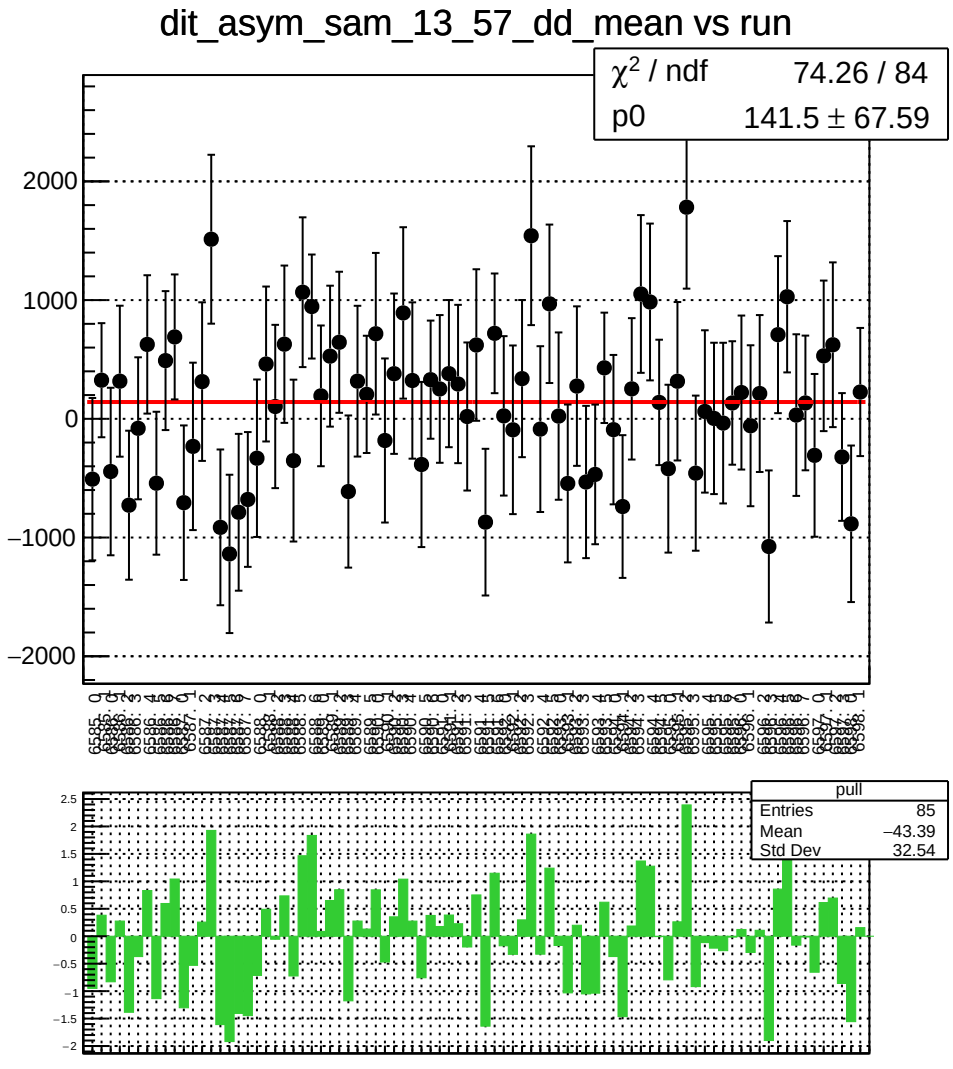

pull1D
Entries 85
Mean −0.00379
Std Dev 1.03
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

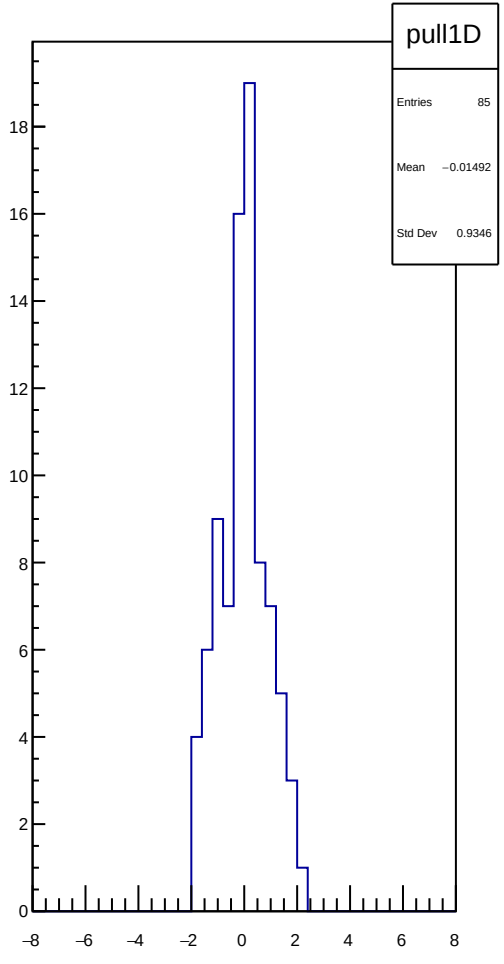

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2768 / 84
p0 923.3 ± 0.7109
1100
1050
1000
950
900
850

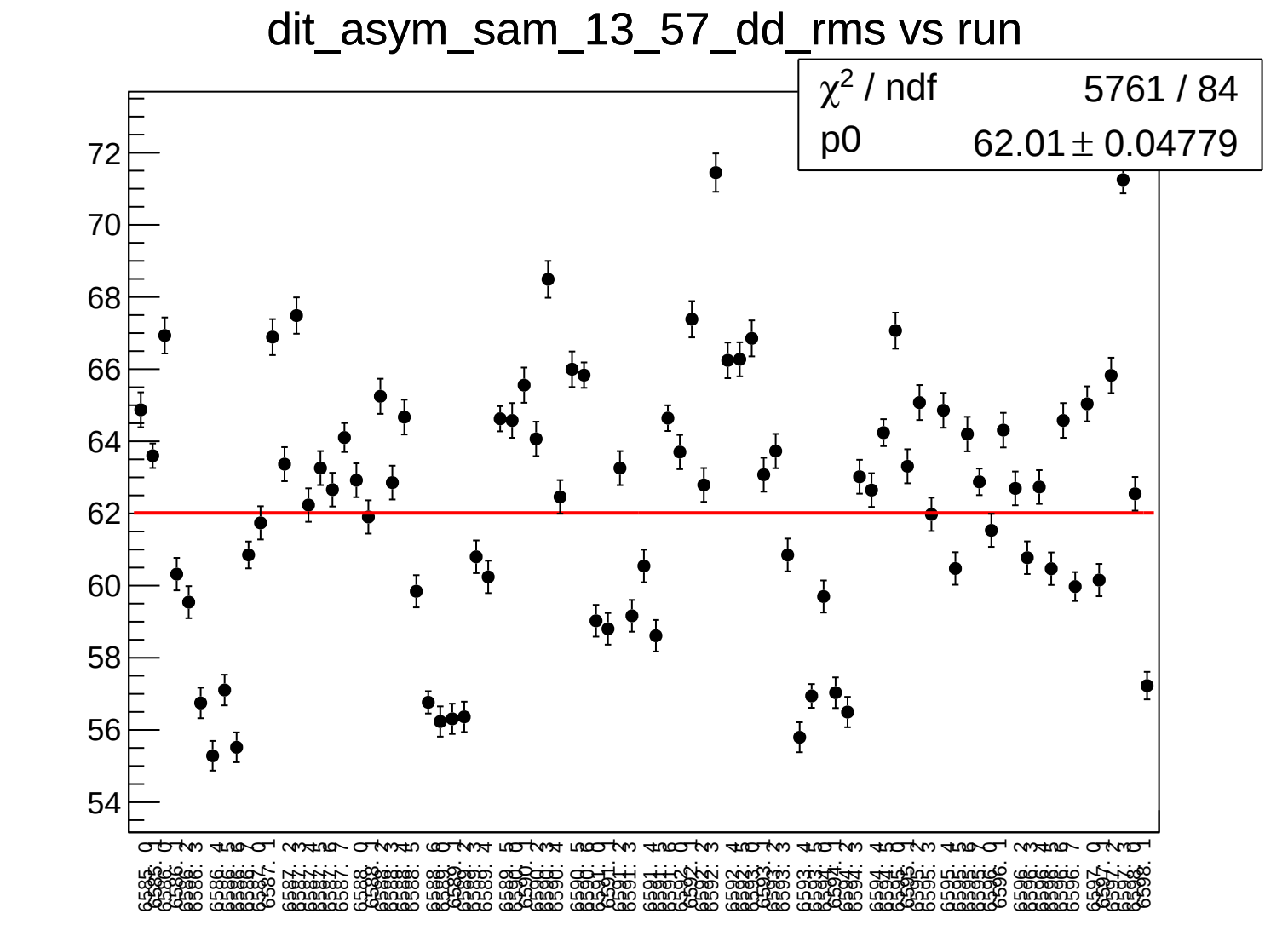

asym_sam_48_dd_mean vs run
χ² / ndf 91.57 / 84
p0 −8.897 ± 993.1
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 86.75
Std Dev 125.3
2
1
0
−1
−2

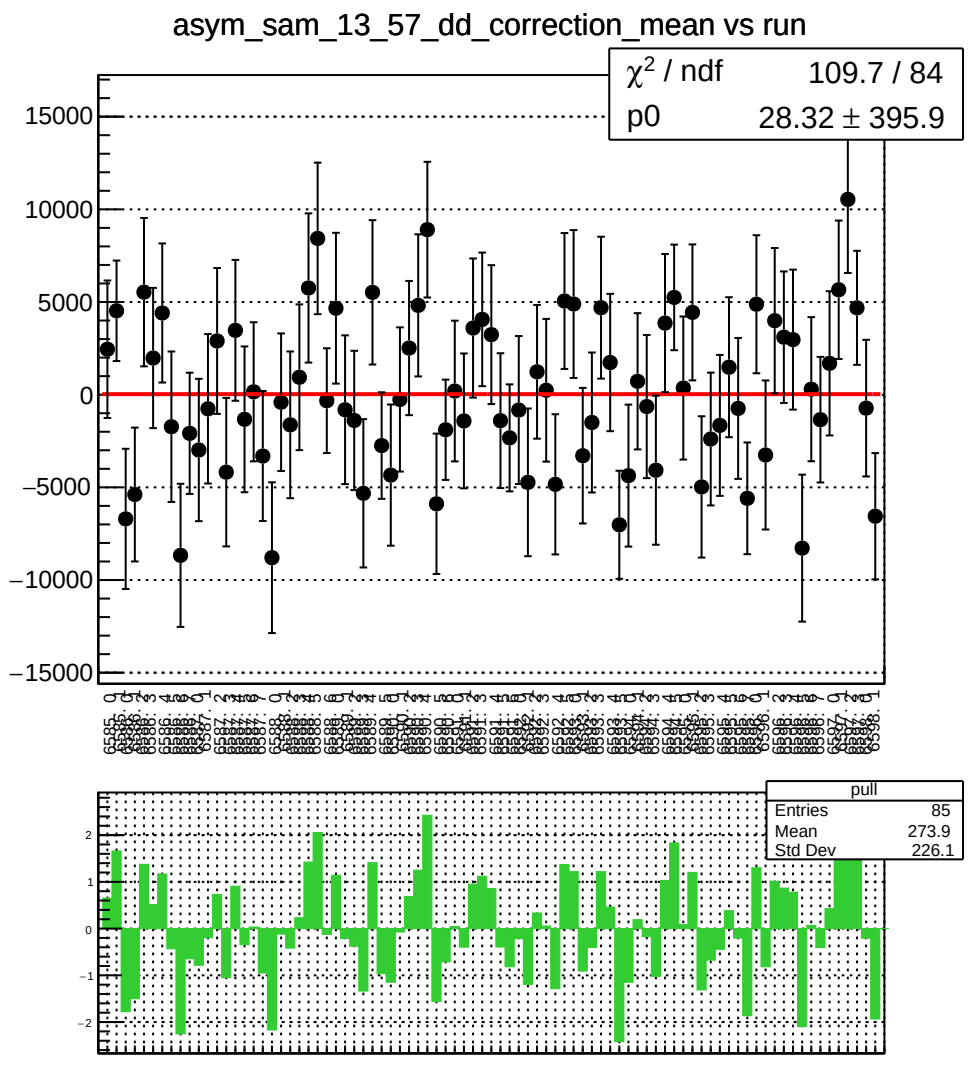

pull1D
Entries 85
Mean 0.005621
Std Dev 1.038
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

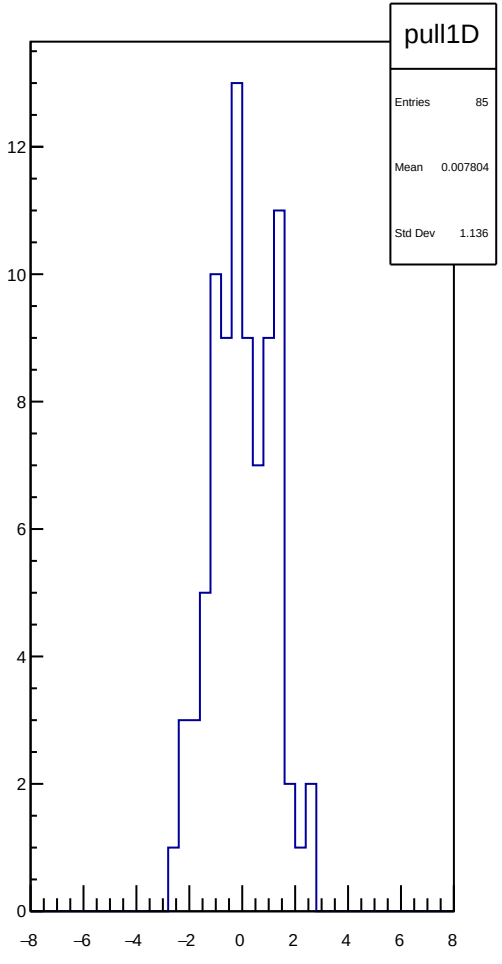

asym_sam_48_dd_rms vs run
χ² / ndf 4747 / 84
p0 911.4 ± 0.7022
1100
1050
1000
950
900
850
800

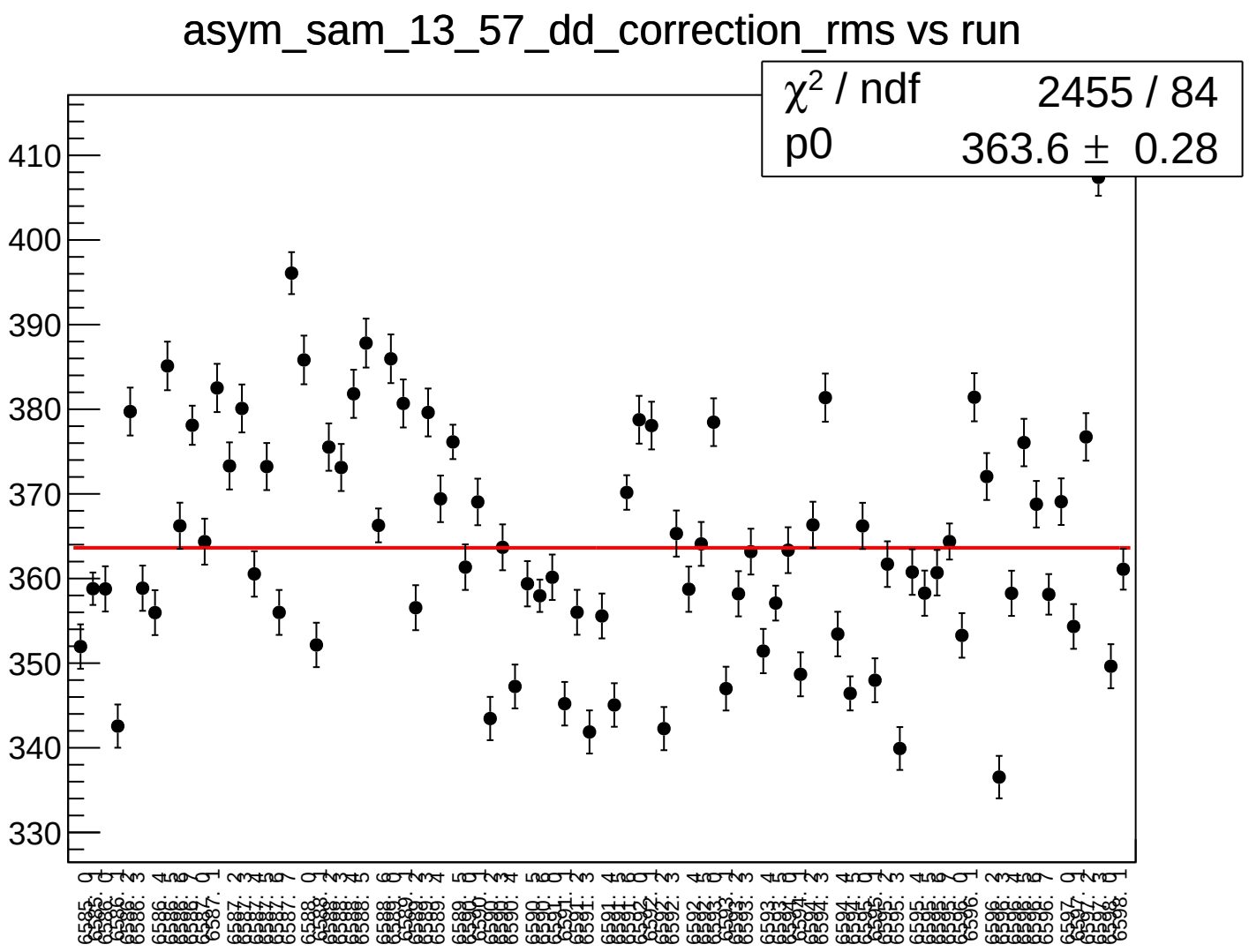

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 74.26 / 84
p0 141.5 ± 67.59
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −43.39
Std Dev 32.54
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

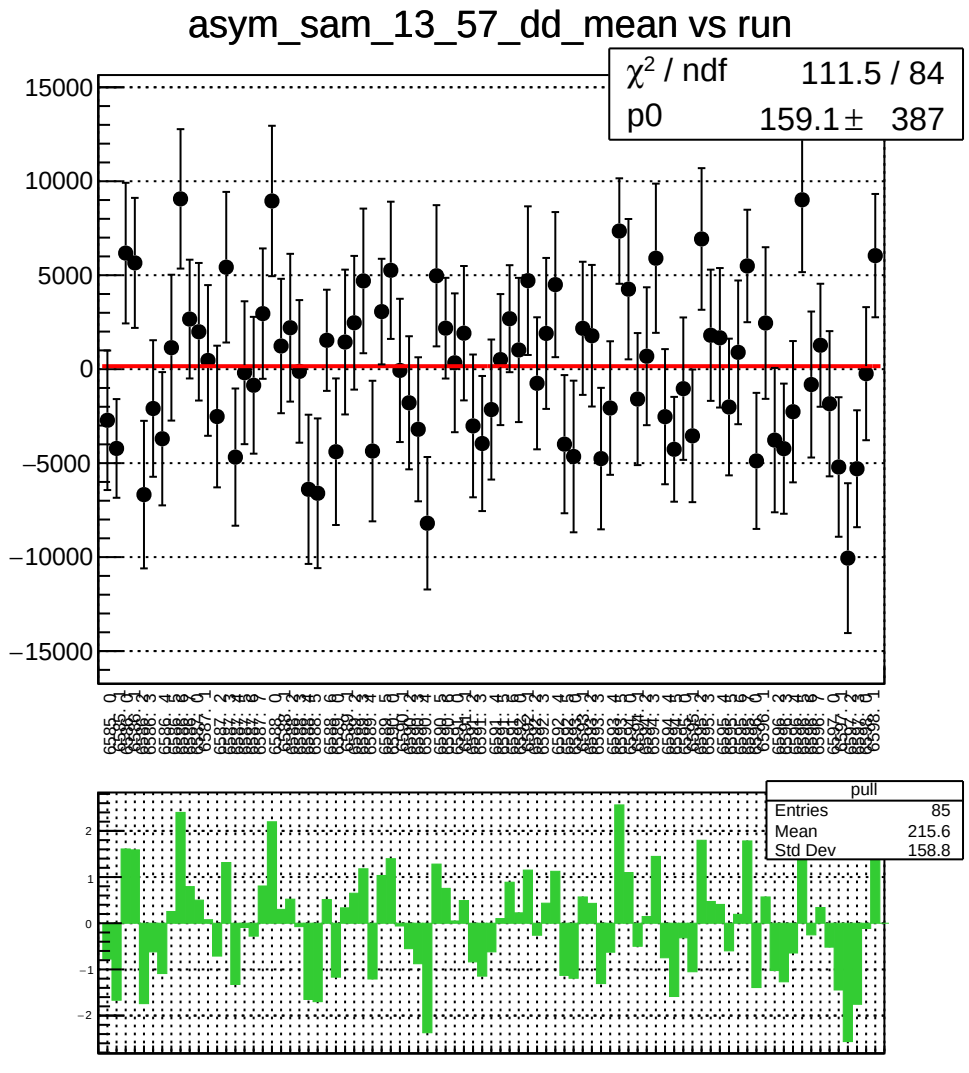

pull1D
Entries 85
Mean −0.01492
Std Dev 0.9346
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

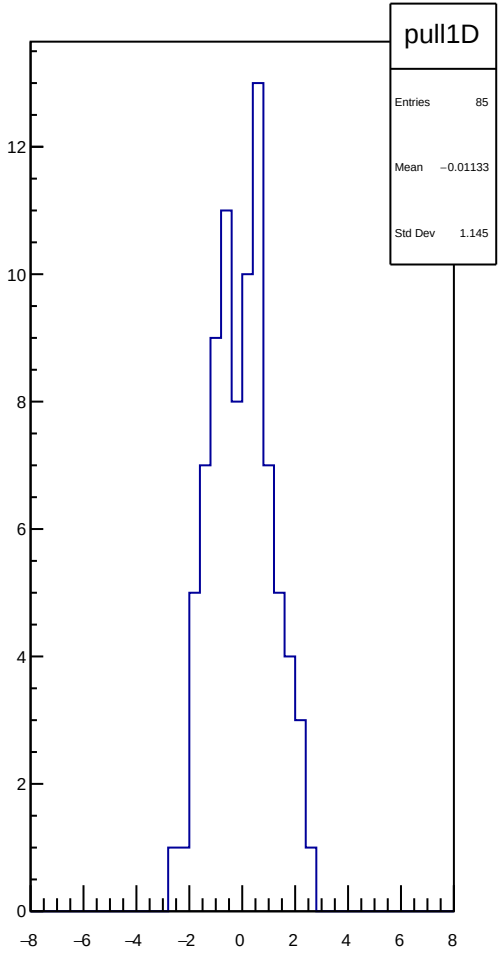

dit_asym_sam_13_57_dd_rms vs run
χ^2 / ndf 5761 / 84
p0 62.01 ± 0.04779
72
70
68
66
64
62
60
58
56
54

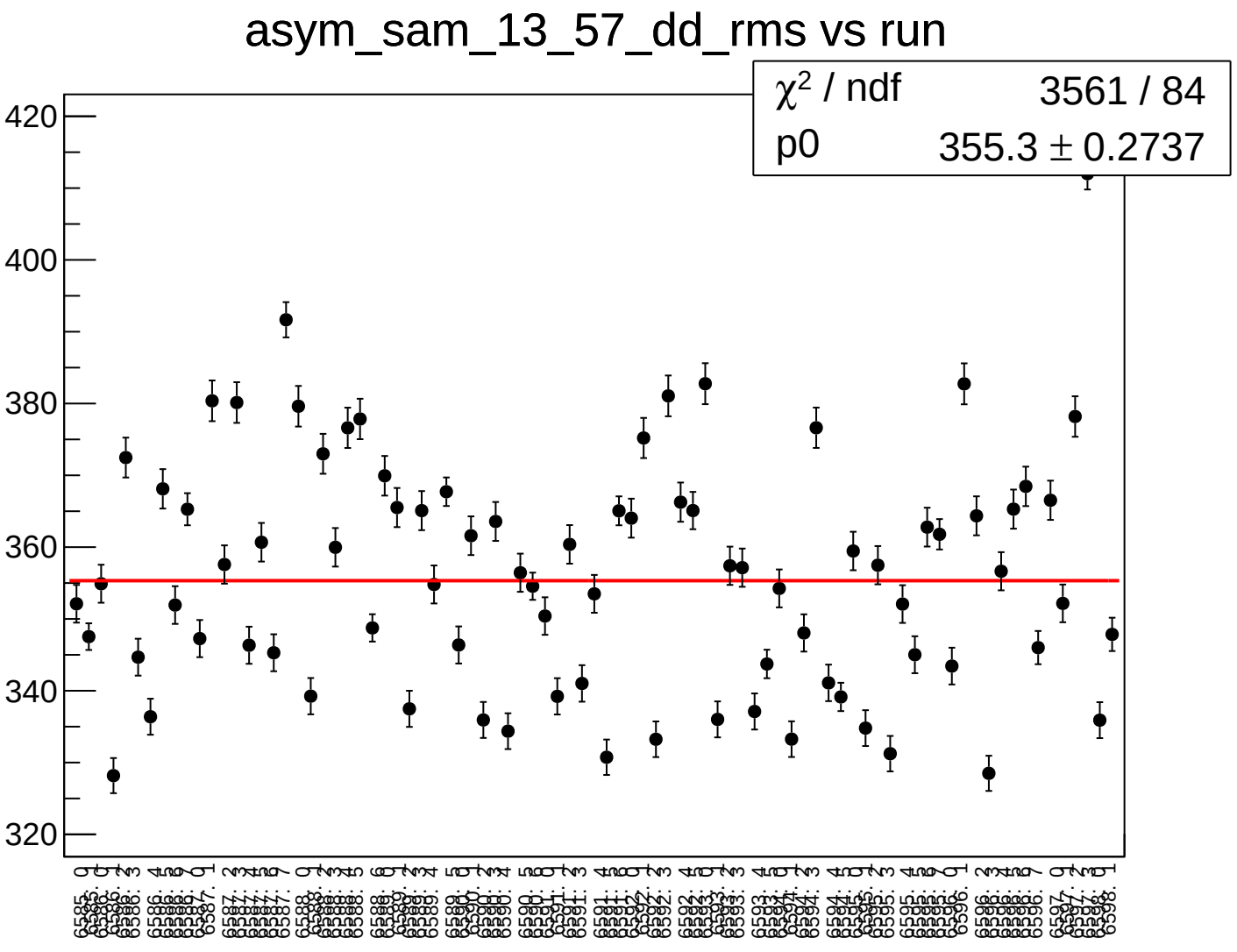

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 109.7 / 84
p0 28.32 ± 395.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 273.9
Std Dev 226.1
2
1
0
−1
−2

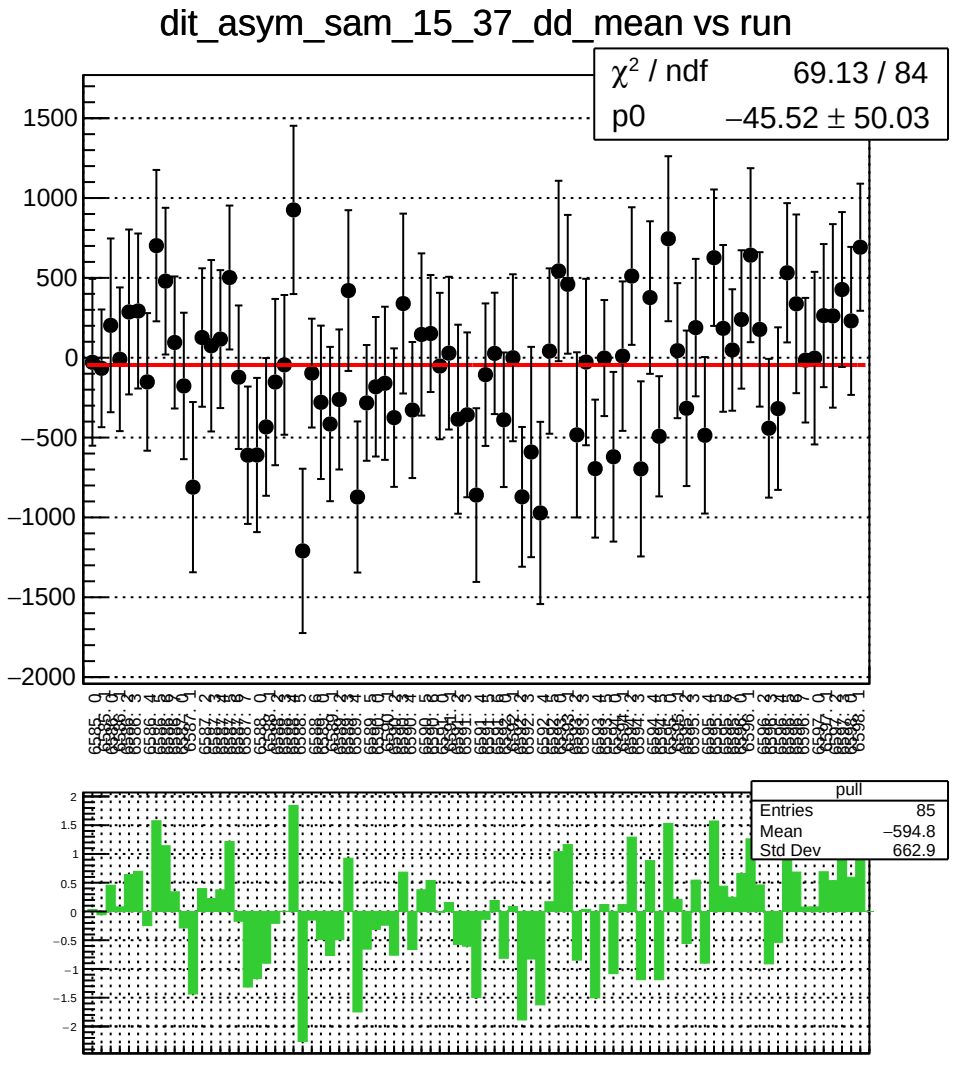

pull1D
Entries 85
Mean 0.007804
Std Dev 1.136
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

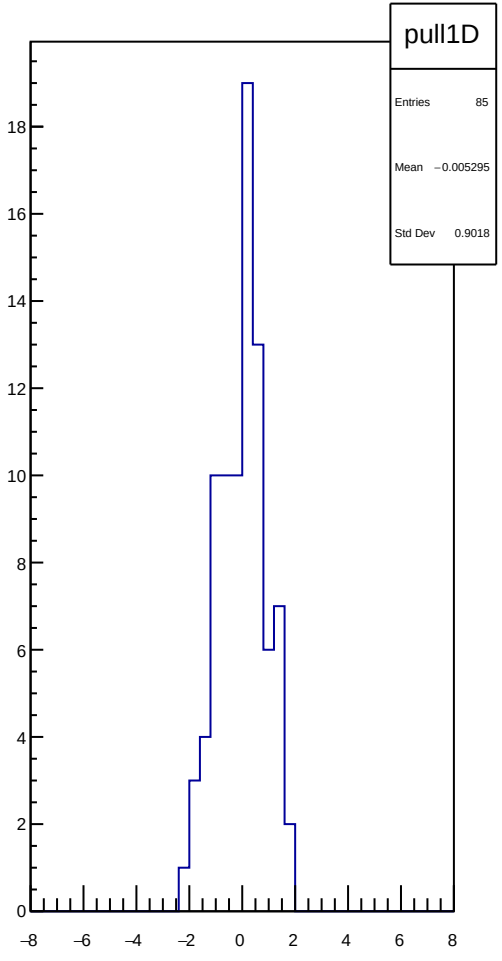

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2455 / 84
p0 363.6 ± 0.28
410
400
390
380
370
360
350
340
330

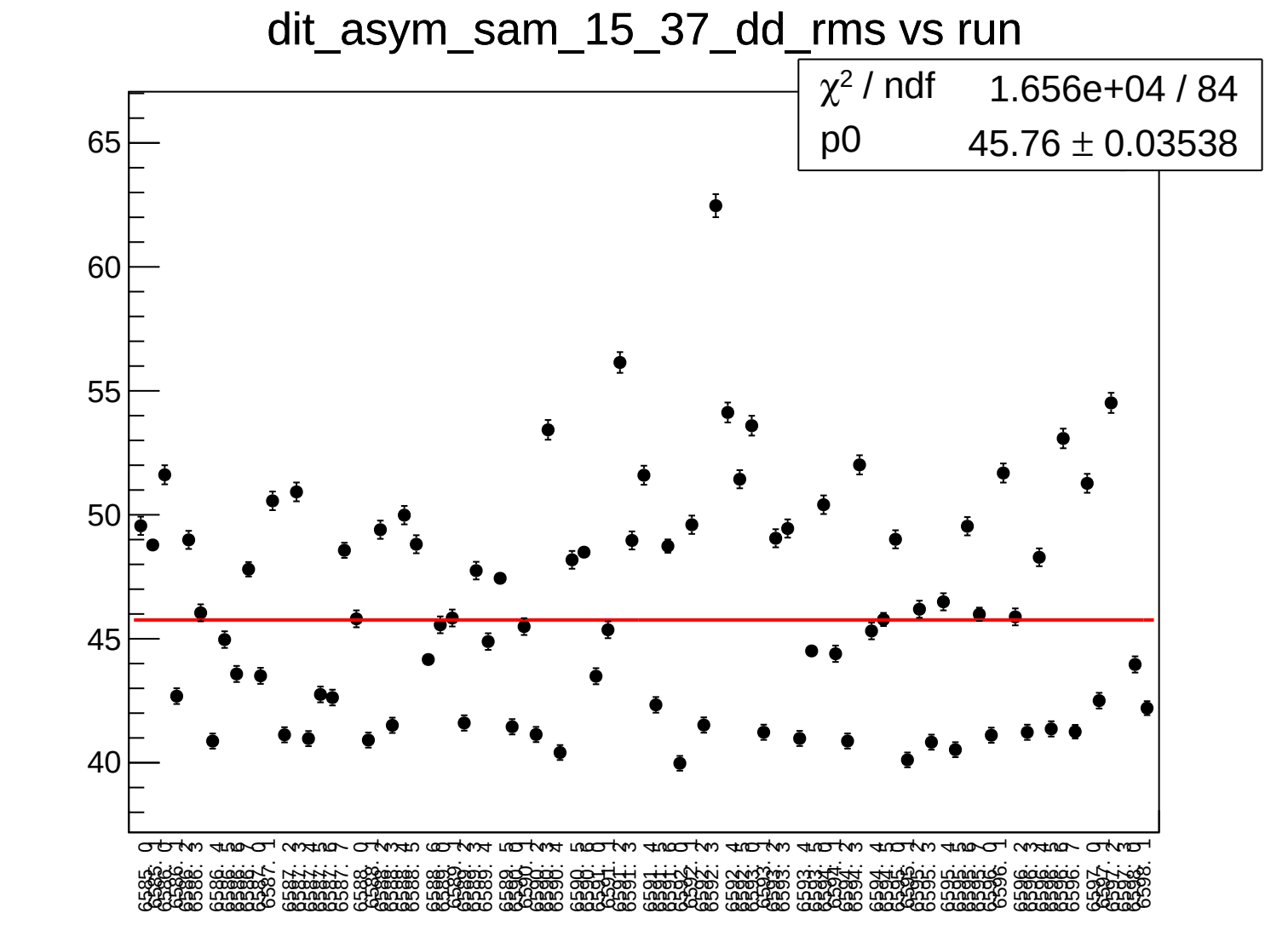

asym_sam_13_57_dd_mean vs run
χ² / ndf 111.5 / 84
p0 159.1 ± 387
pull
Entries 85
Mean 215.6
Std Dev 158.8

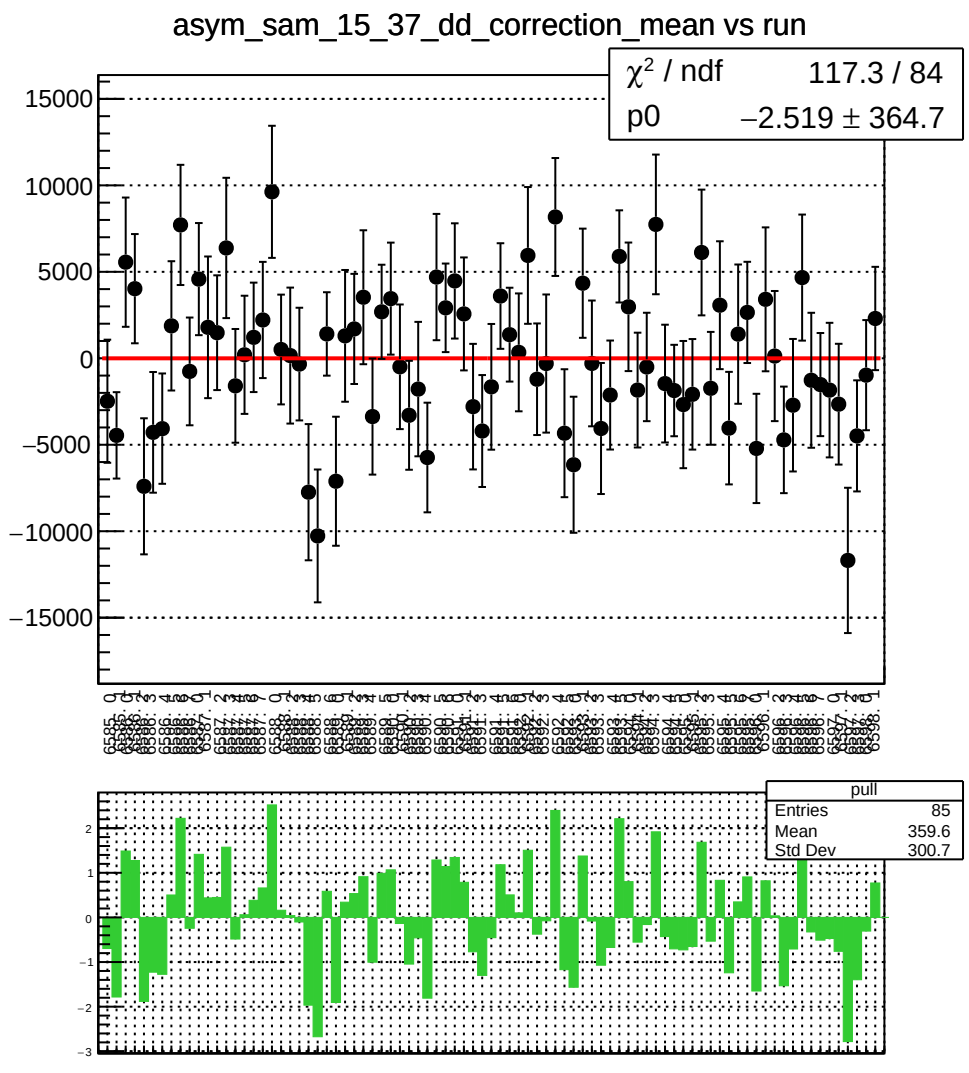

pull1D
Entries 85
Mean −0.01133
Std Dev 1.145

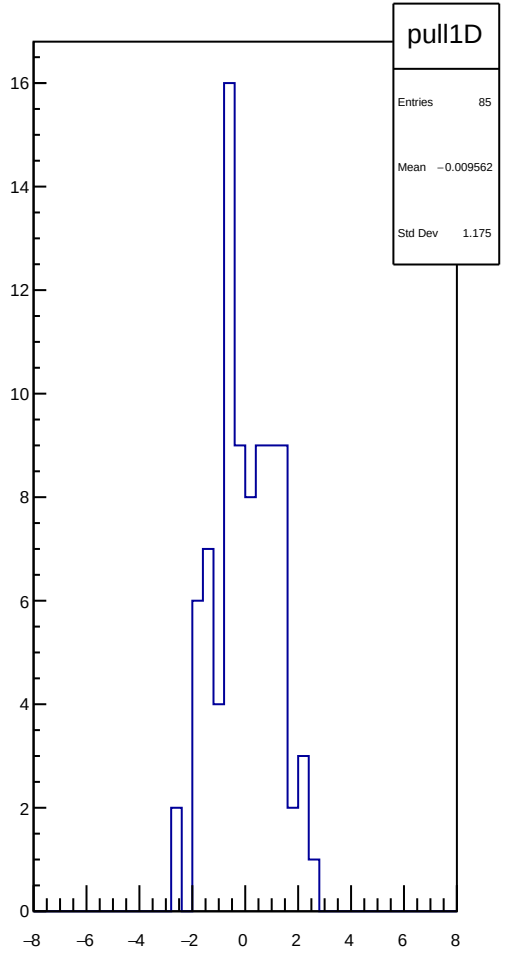

asym_sam_13_57_dd_rms vs run
χ² / ndf 3561 / 84
p0 355.3 ± 0.2737
420
400
380
360
340
320

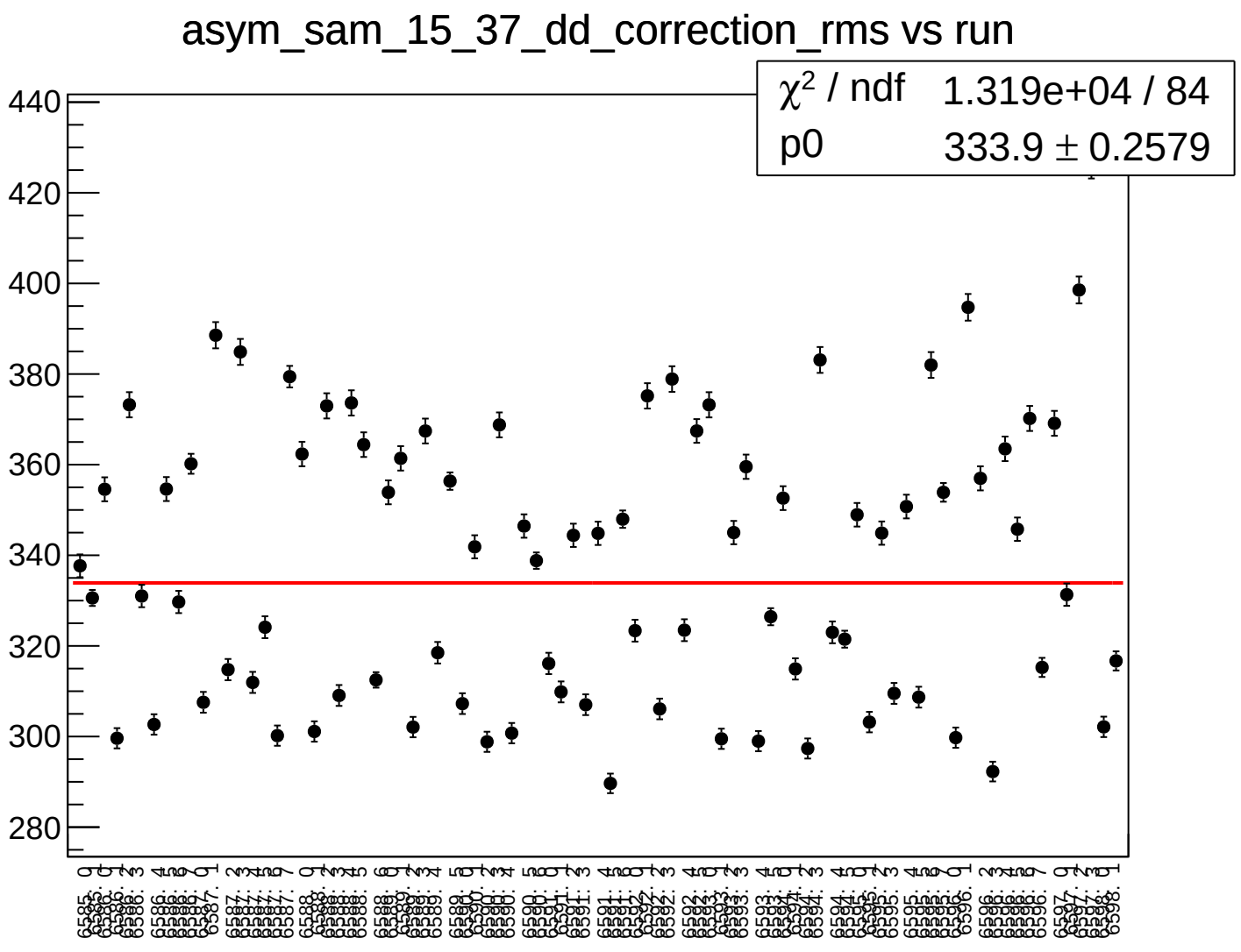

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 69.13 / 84
p0 −45.52 ± 50.03
pull
Entries 85
Mean −594.8
Std Dev 662.9

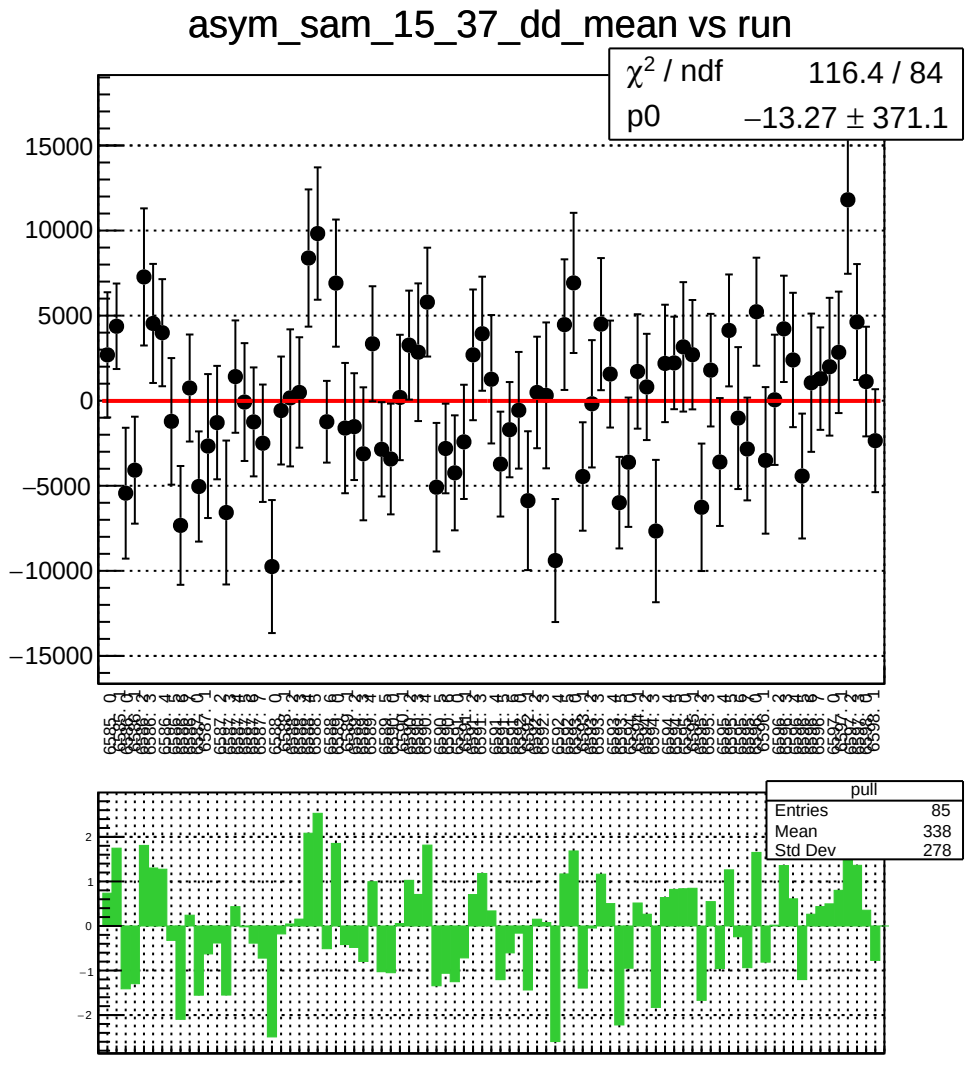

pull1D
Entries 85
Mean −0.005295
Std Dev 0.9018

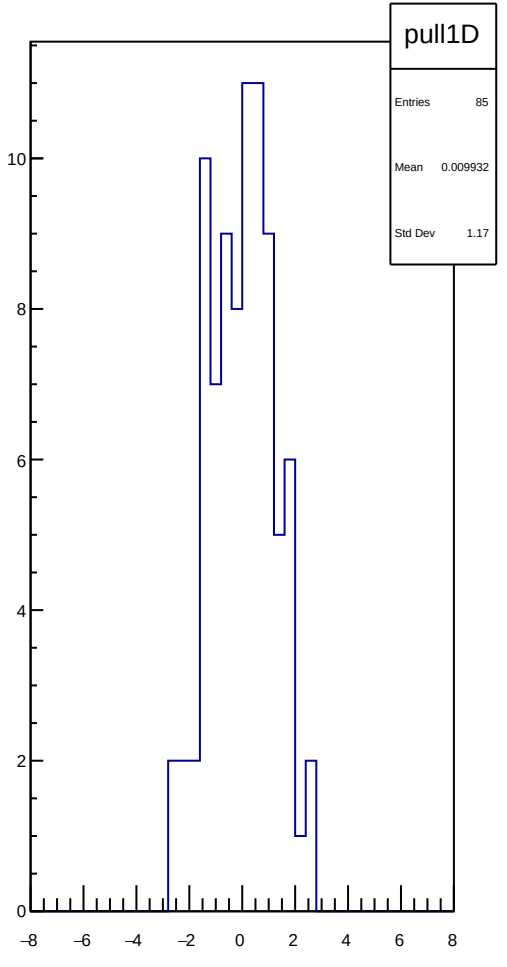

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.656e+04 / 84
p0 45.76 ± 0.03538
65
60
55
50
45
40

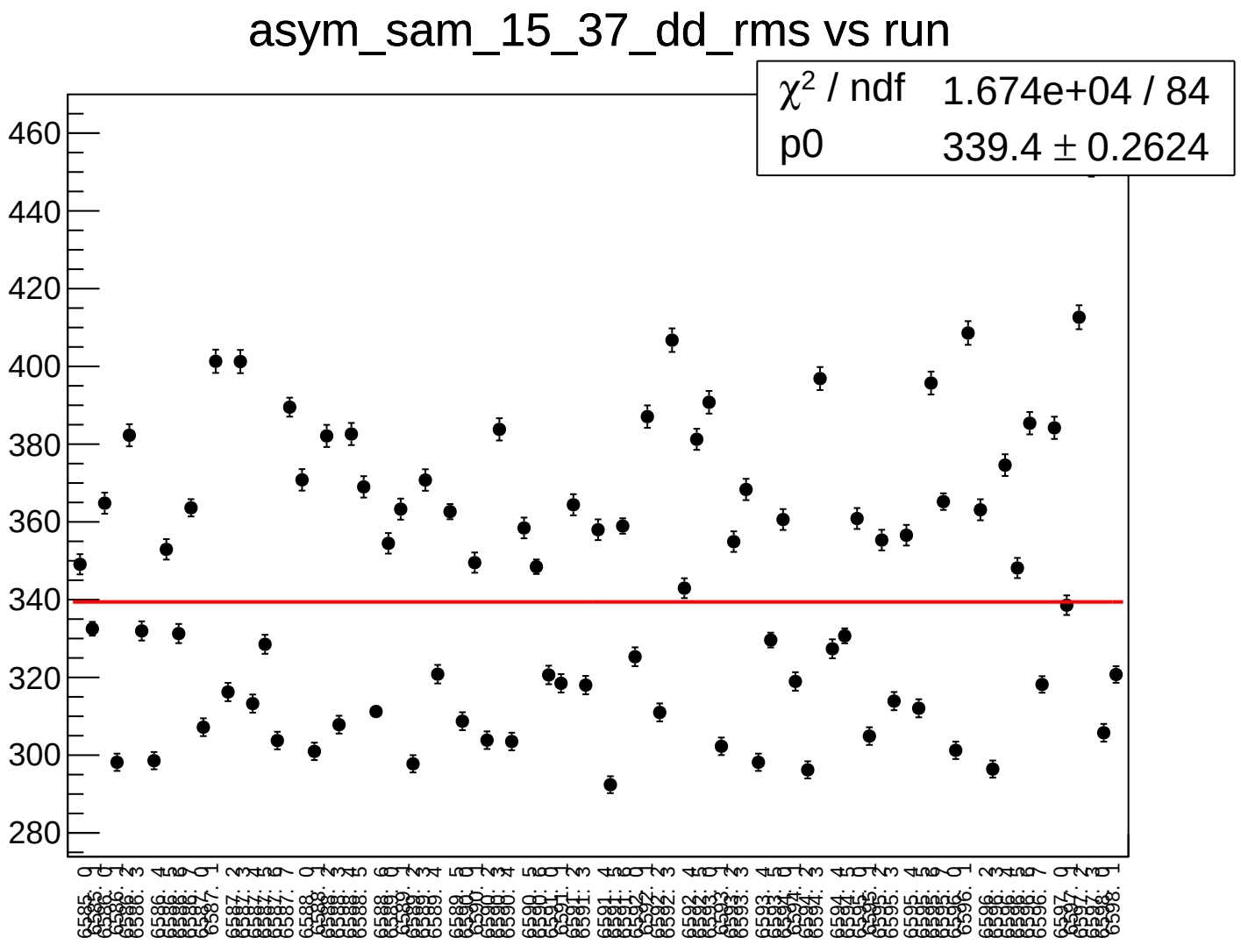

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 117.3 / 84
p0 −2.519 ± 364.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 359.6
Std Dev 300.7
2
1
0
−1
−2
−3

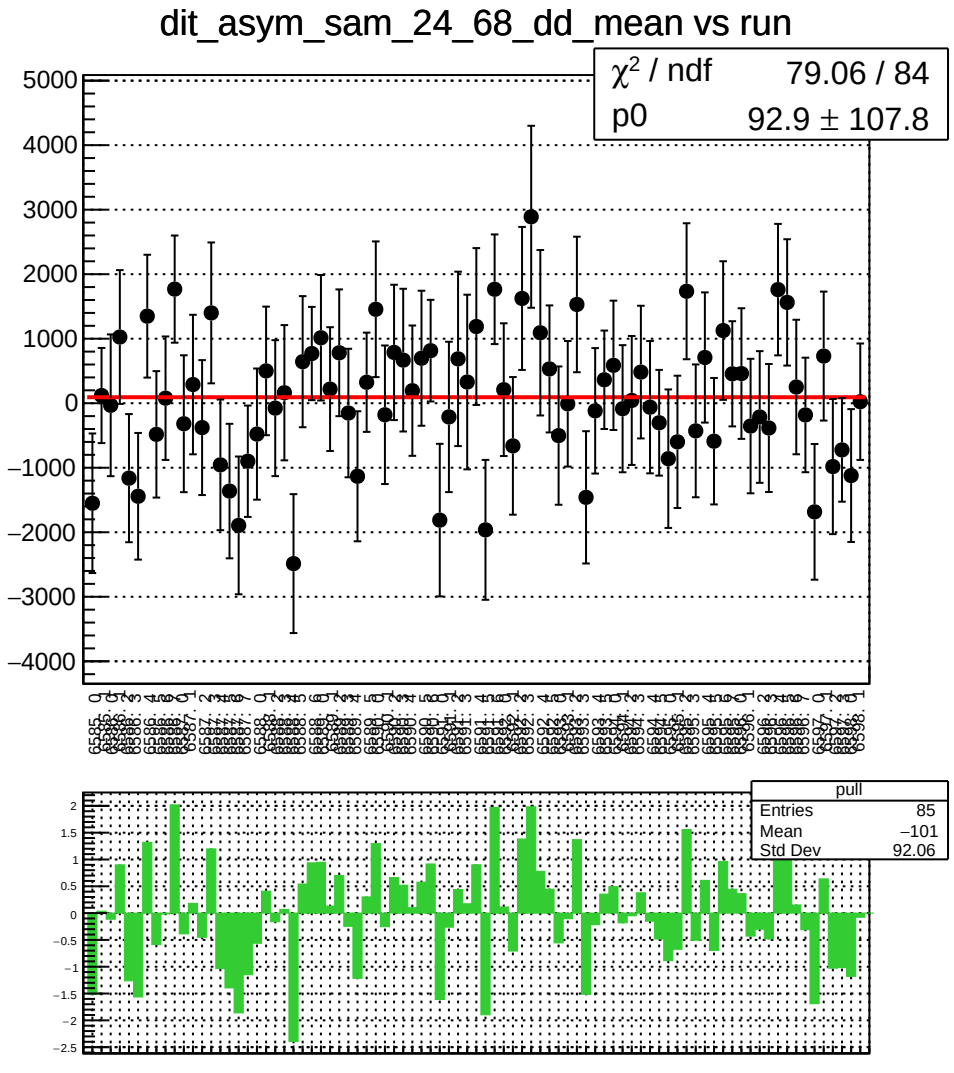

pull1D
Entries 85
Mean −0.009562
Std Dev 1.175
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

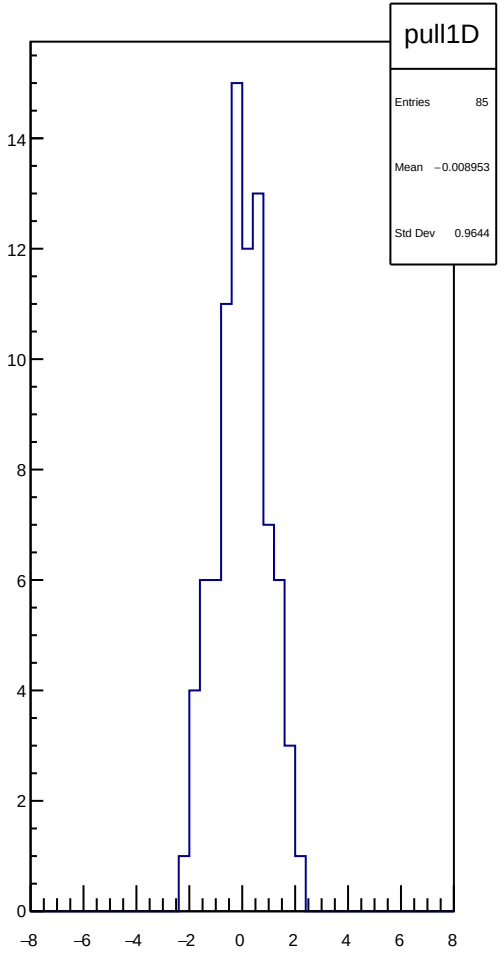

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 1.319e+04 / 84
p0 333.9 ± 0.2579
440
420
400
380
360
340
320
300
280

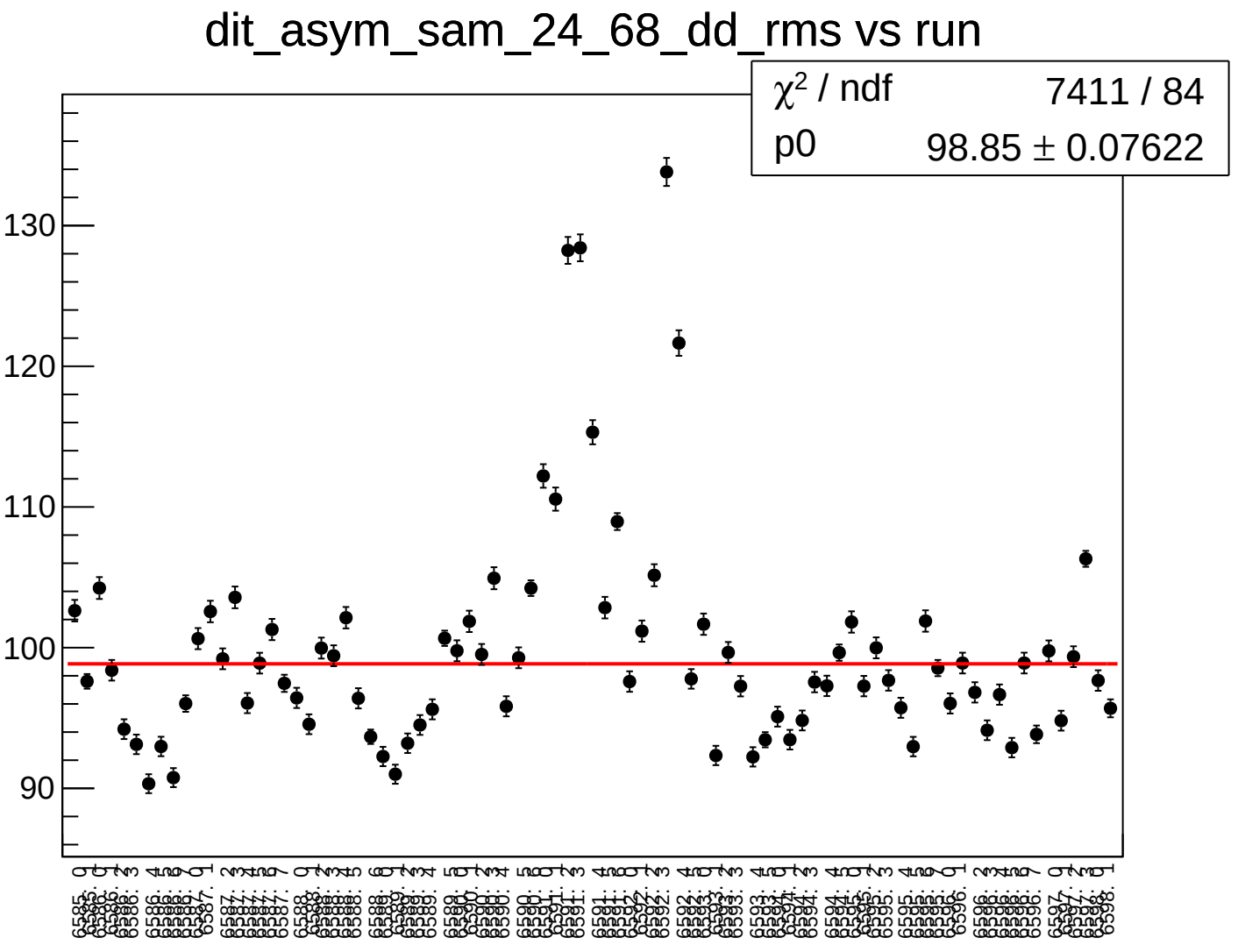

asym_sam_15_37_dd_mean vs run
χ² / ndf 116.4 / 84
p0 −13.27 ± 371.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 338
Std Dev 278
2
1
0
−1
−2

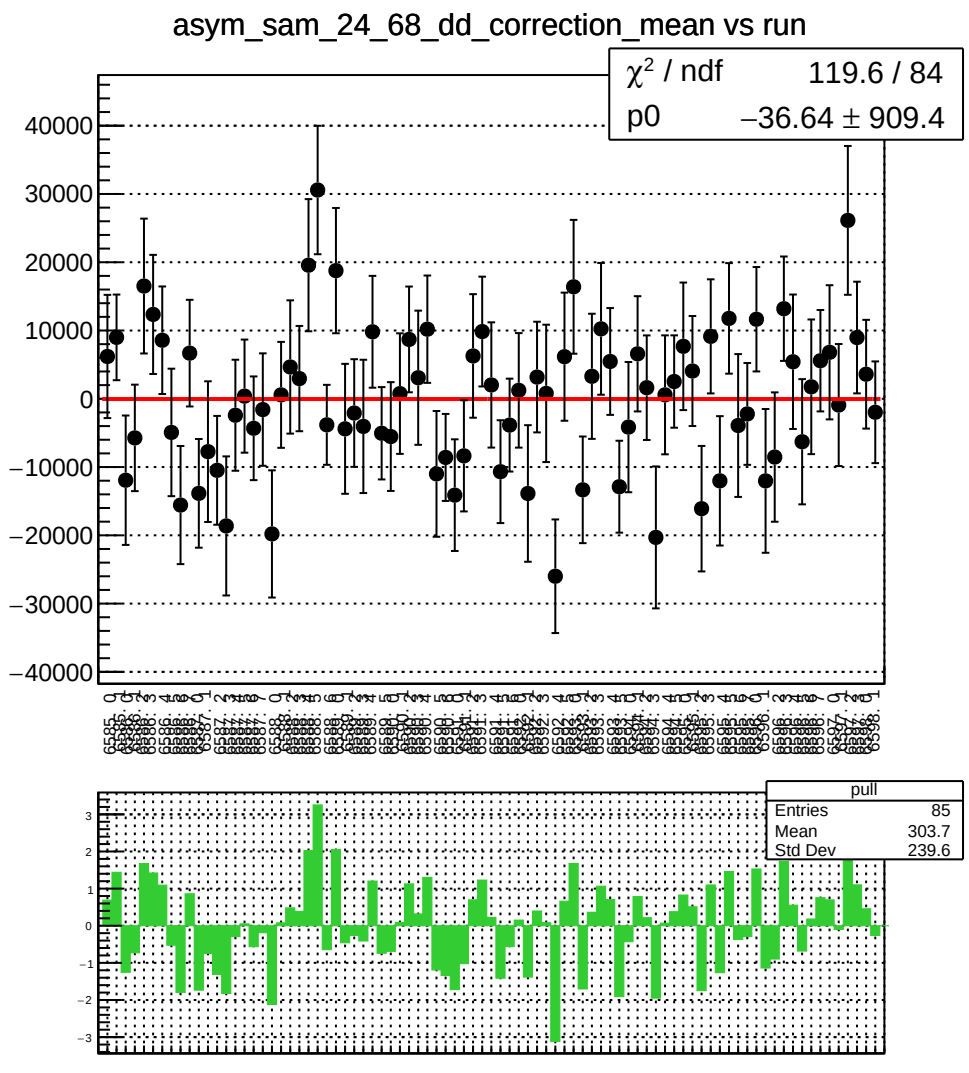

pull1D
Entries 85
Mean 0.009932
Std Dev 1.17
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

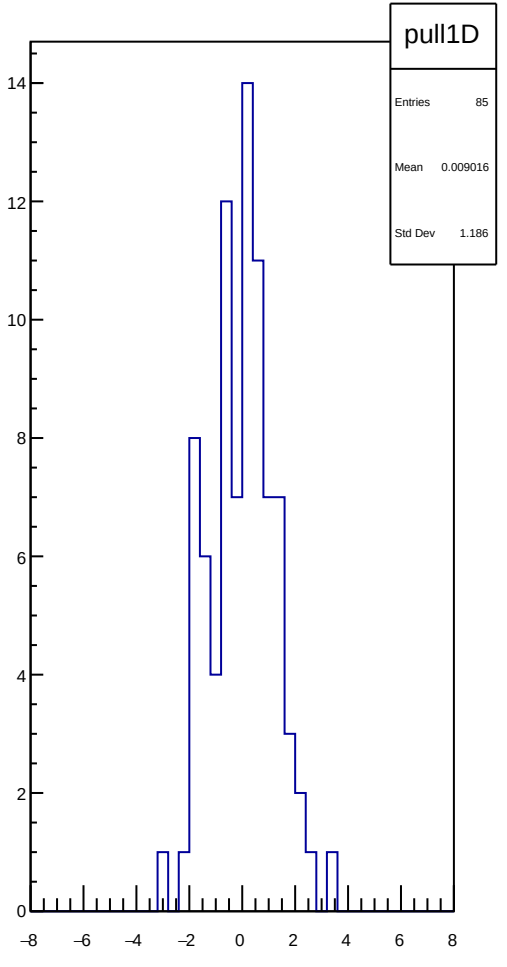

asym_sam_15_37_dd_rms vs run
χ^2 / ndf 1.674e+04 / 84
p0 339.4 ± 0.2624
460
440
420
400
380
360
340
320
300
280

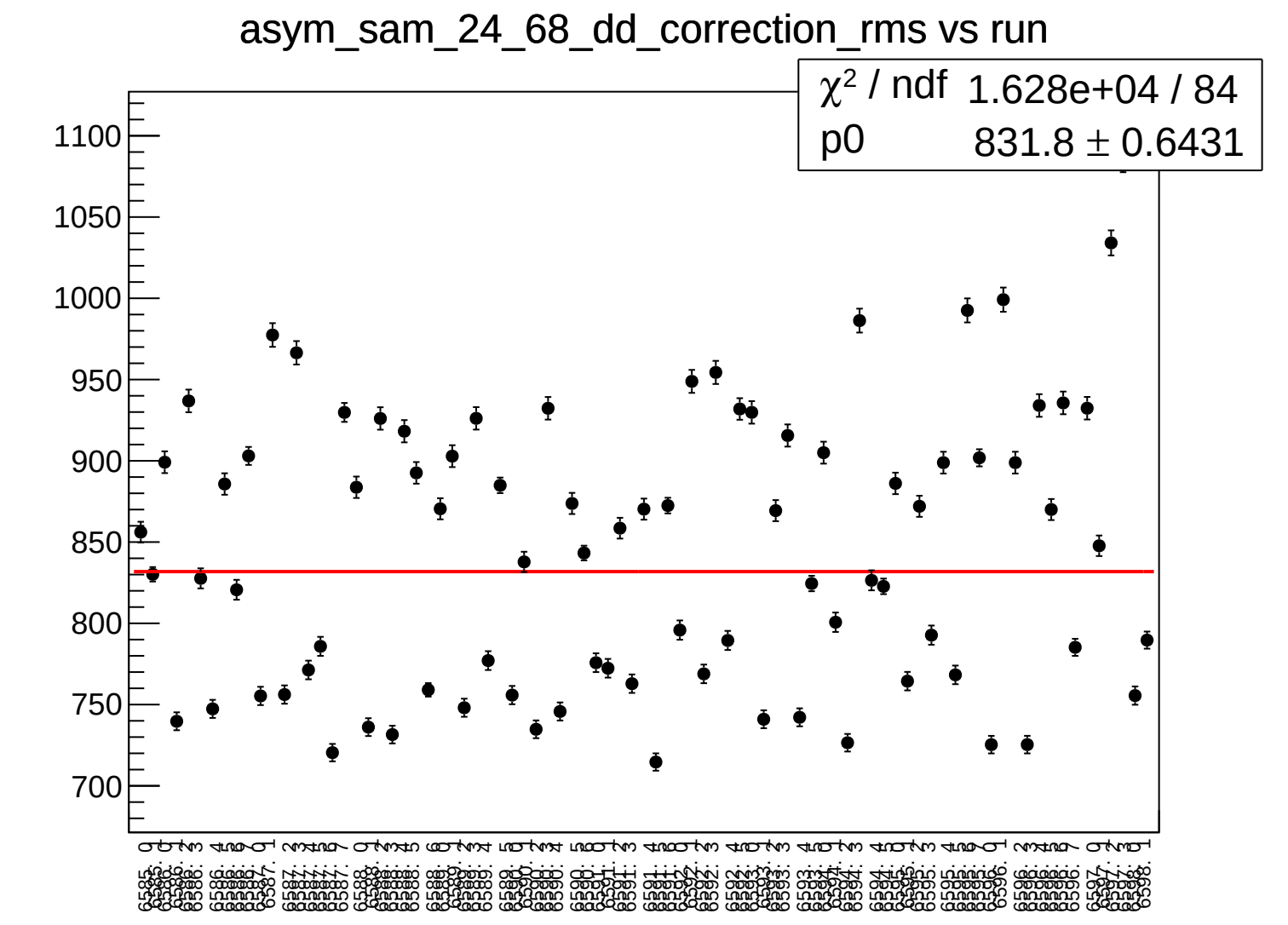

dit_asym_sam_24_68_dd_mean vs run
χ^2 / ndf 79.06 / 84
p0 92.9 ± 107.8
pull
Entries 85
Mean −101
Std Dev 92.06

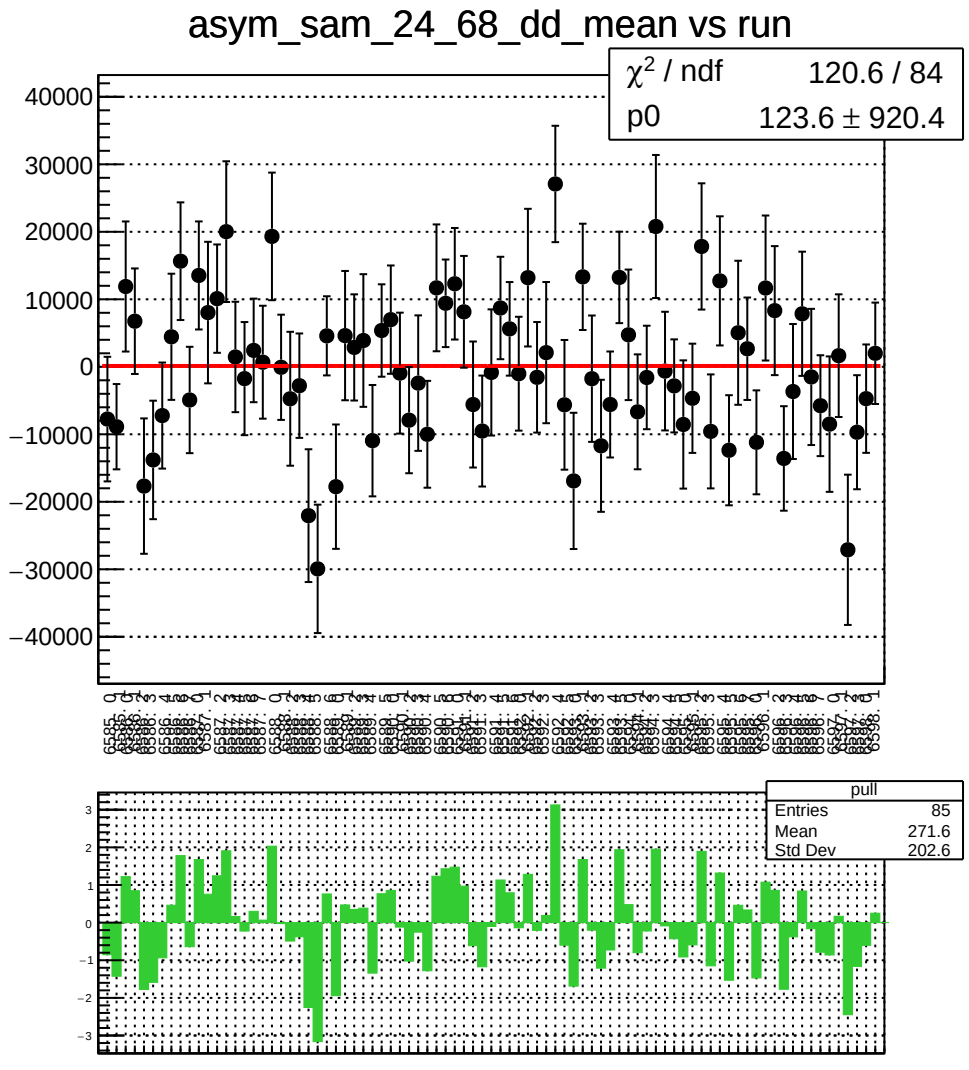

pull1D
Entries 85
Mean −0.008953
Std Dev 0.9644

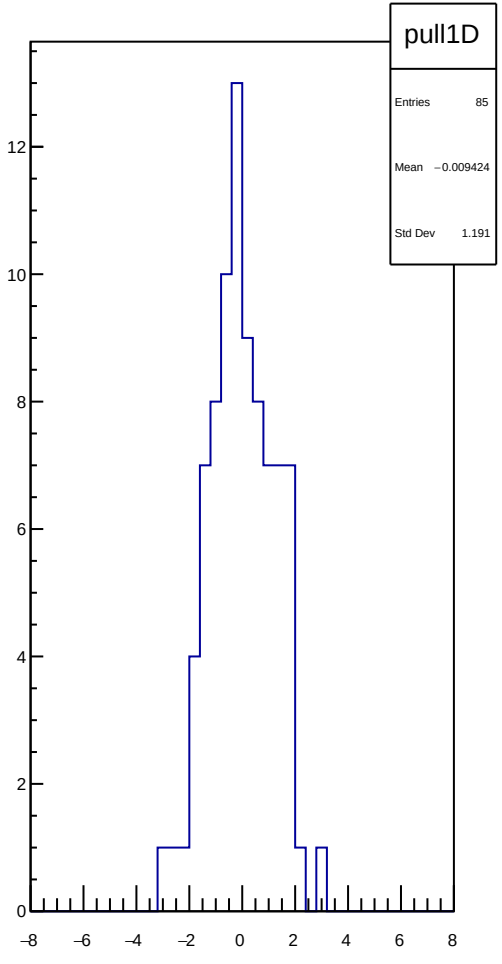

dit_asym_sam_24_68_dd_rms vs run
χ^2 / ndf 7411 / 84
p0 98.85 ± 0.07622
130
120
110
100
90

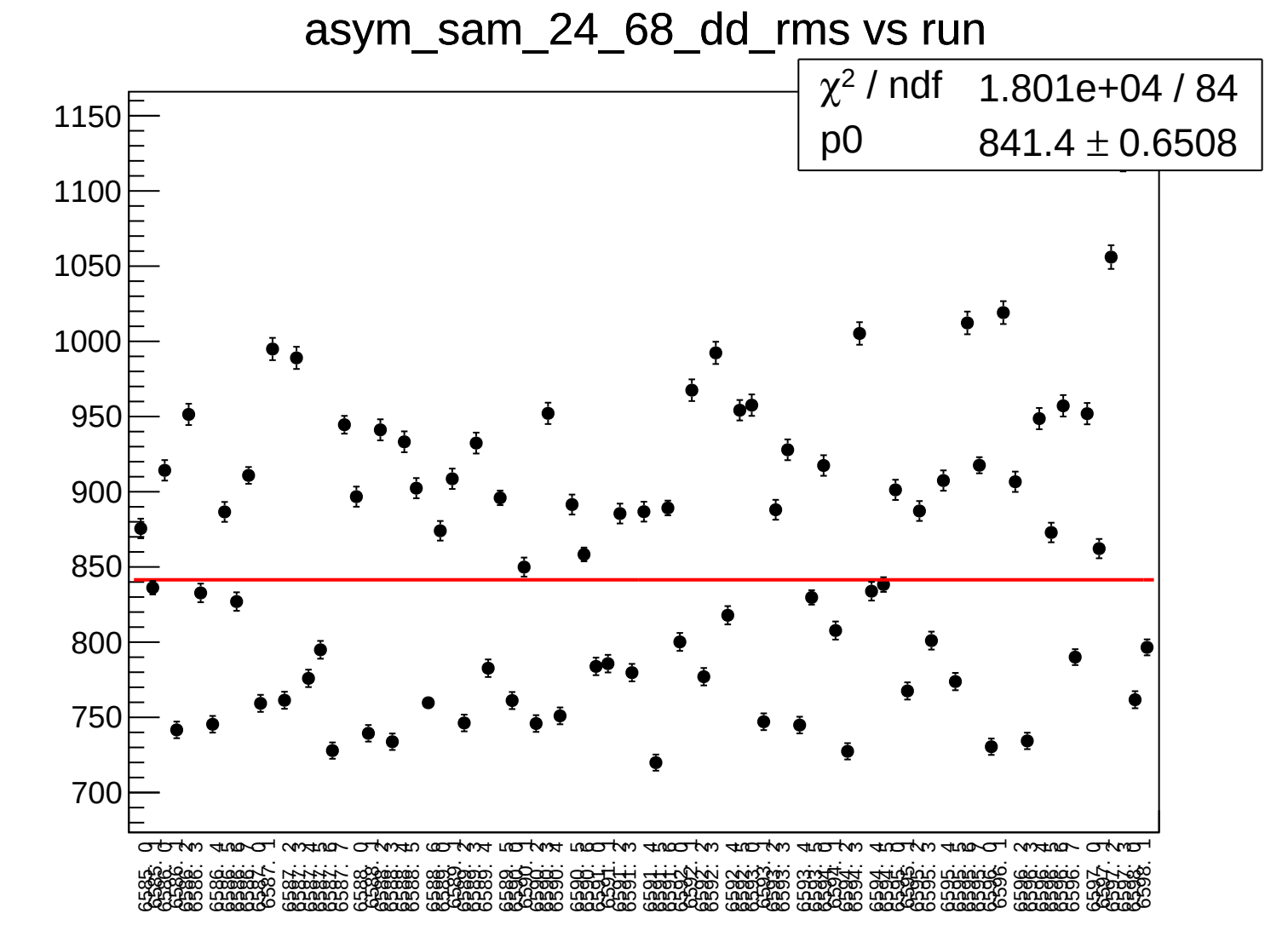

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 119.6 / 84
p0 −36.64 ± 909.4
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 85
Mean 303.7
Std Dev 239.6
3
2
1
0
−1
−2
−3

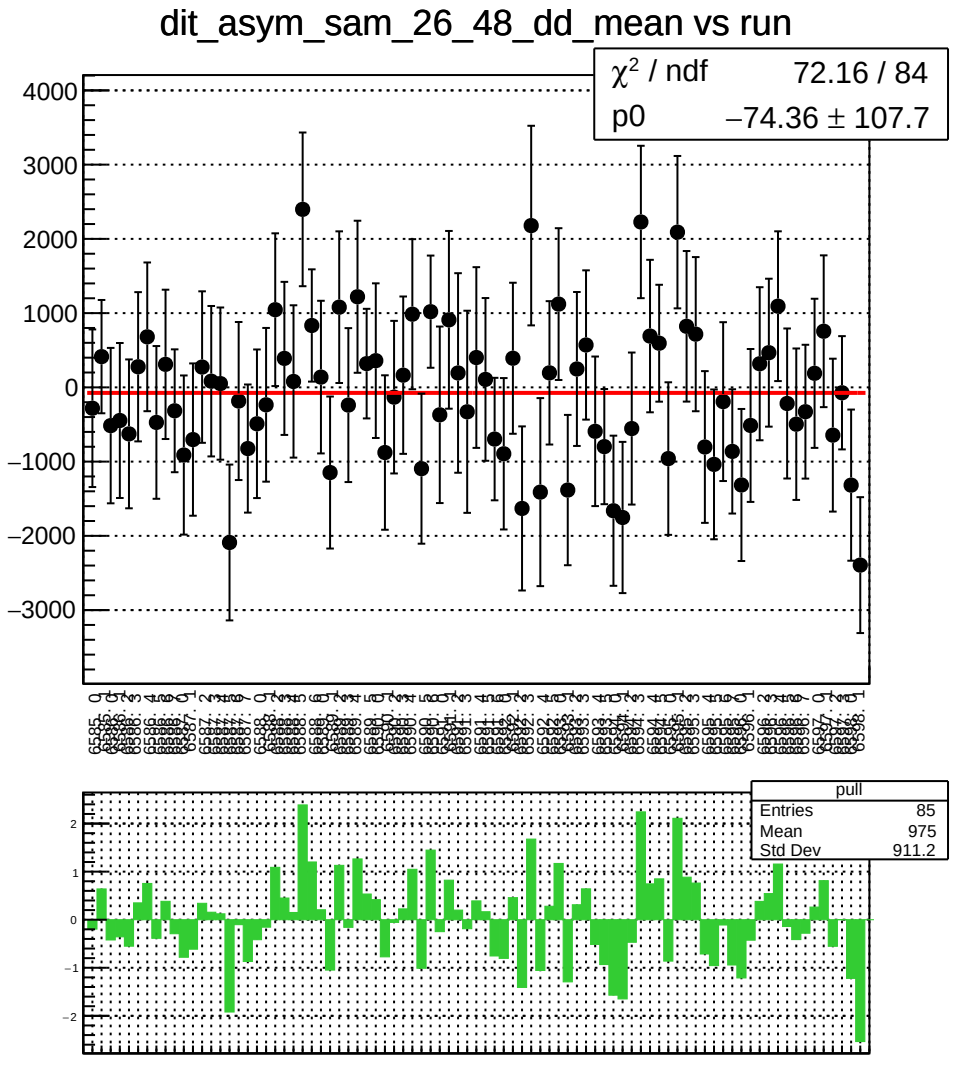

pull1D
Entries 85
Mean 0.009016
Std Dev 1.186
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

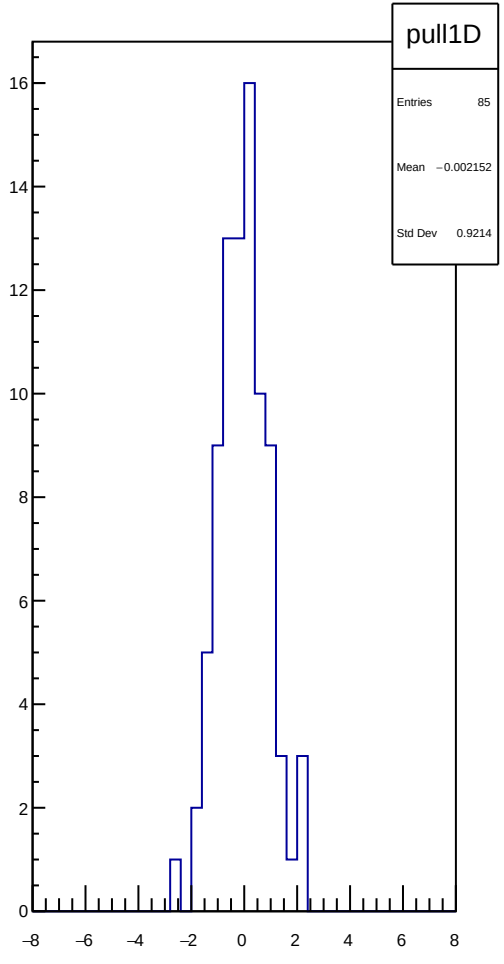

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 1.628e+04 / 84
p0 831.8 ± 0.6431
1100
1050
1000
950
900
850
800
750
700

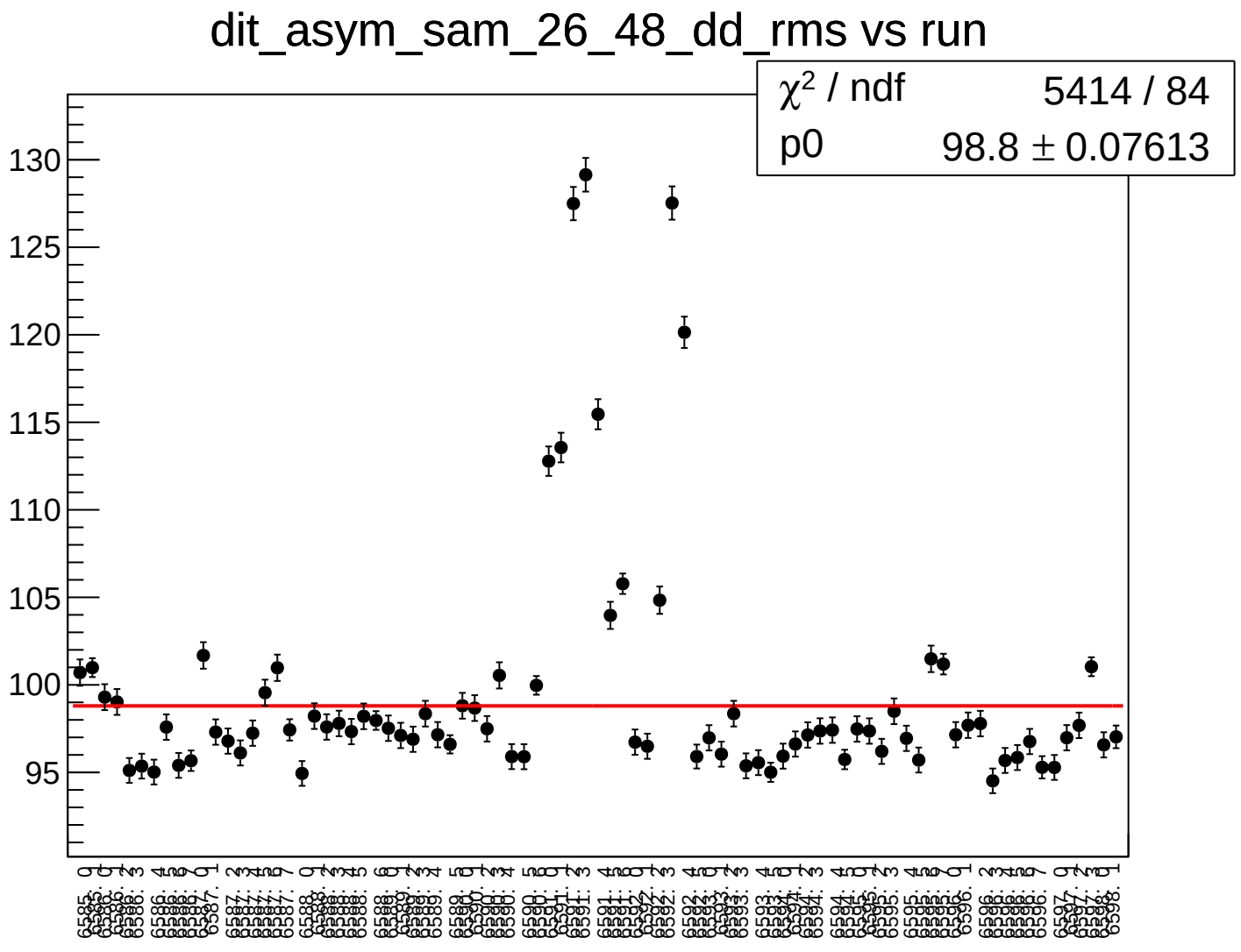

asym_sam_24_68_dd_mean vs run
χ² / ndf 120.6 / 84
p0 123.6 ± 920.4
pull
Entries 85
Mean 271.6
Std Dev 202.6

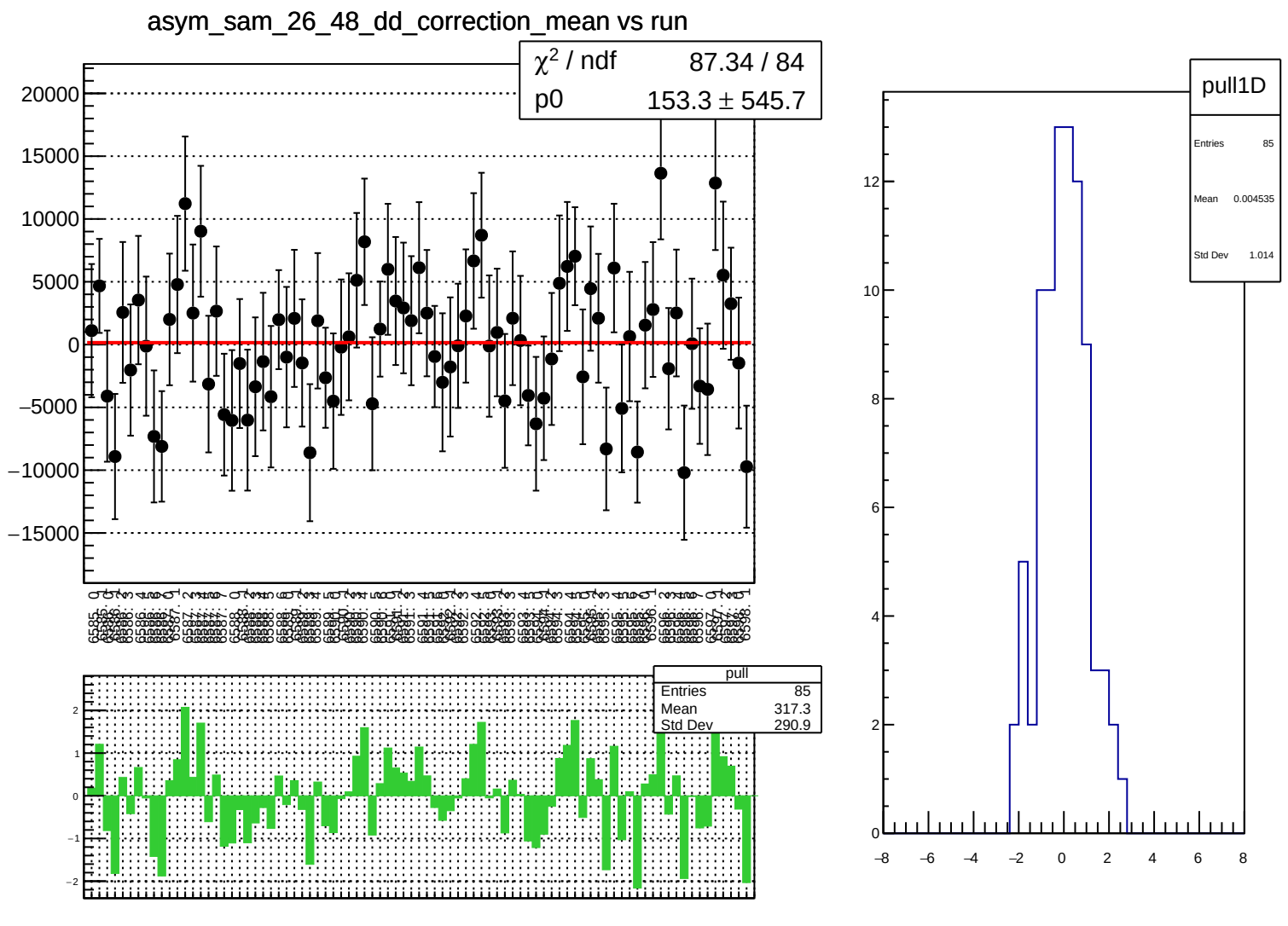

pull1D
Entries 85
Mean −0.009424
Std Dev 1.191

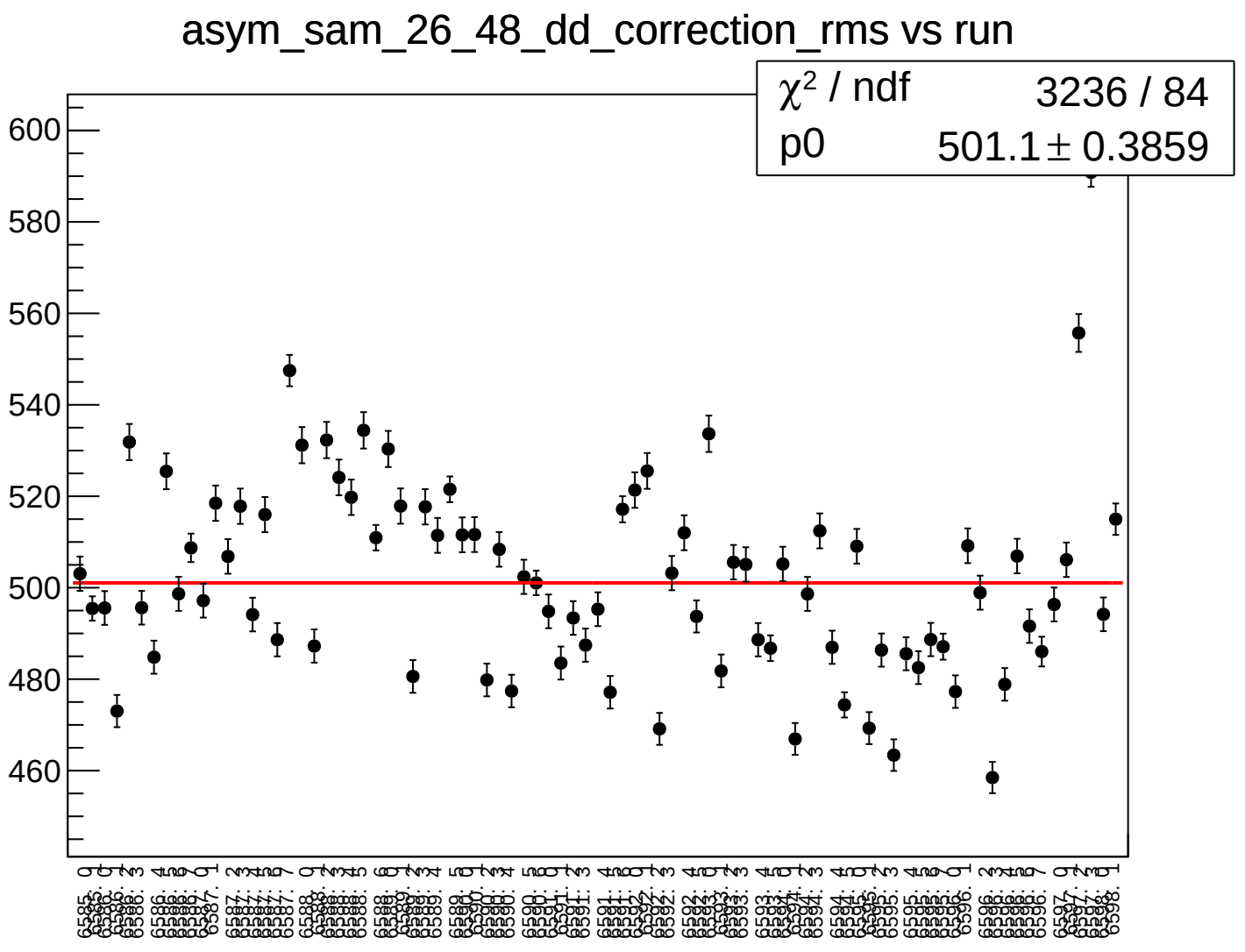

asym_sam_24_68_dd_rms vs run
χ² / ndf 1.801e+04 / 84
p0 841.4 ± 0.6508
1150
1100
1050
1000
950
900
850
800
750
700

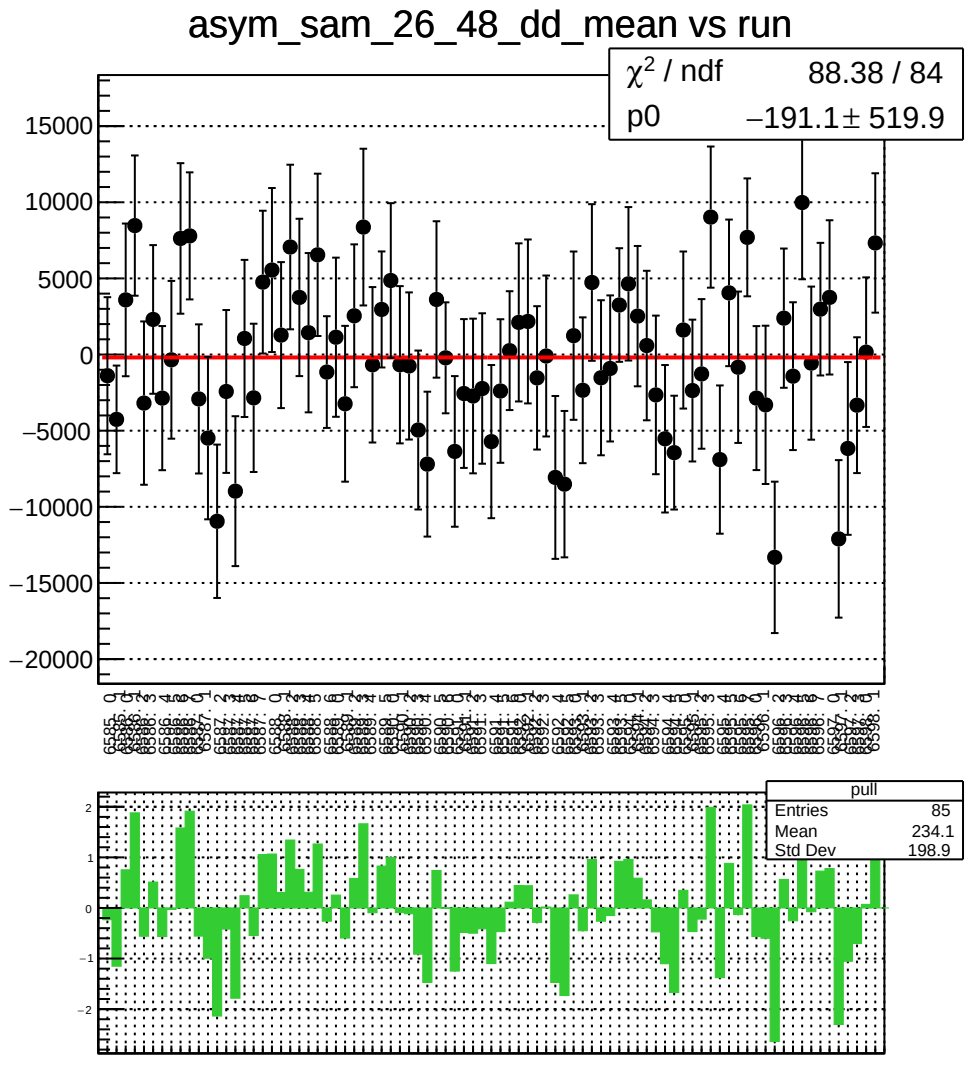

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 72.16 / 84
p0 −74.36 ± 107.7
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean 975
Std Dev 911.2
2
1
0
−1
−2

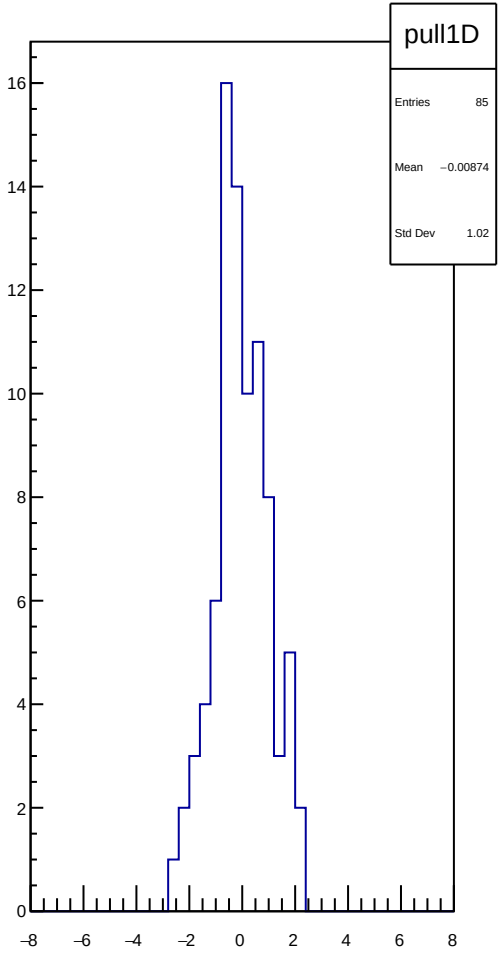

pull1D
Entries 85
Mean −0.002152
Std Dev 0.9214
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

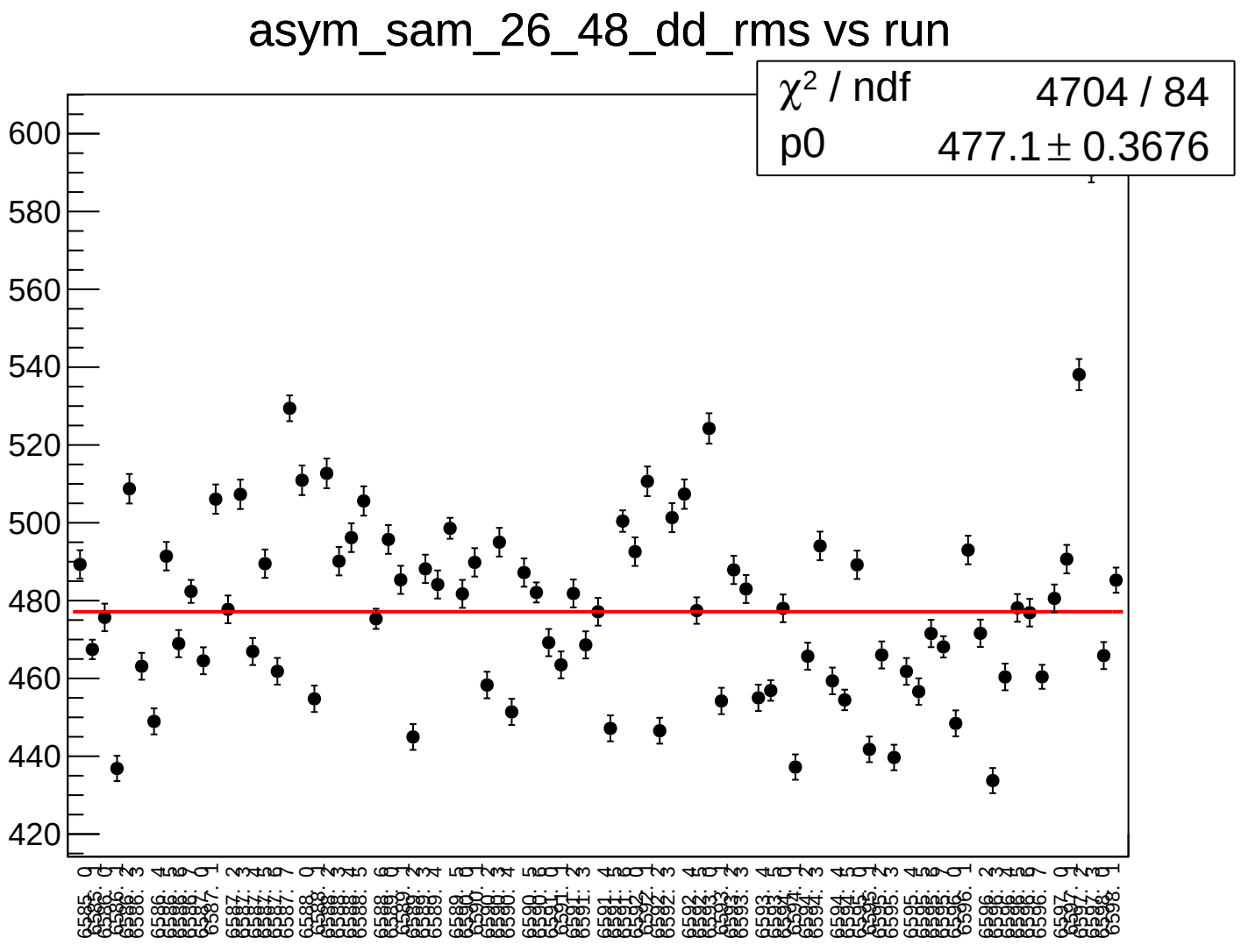

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 5414 / 84
p0 98.8 ± 0.07613
130
125
120
115
110
105
100
95

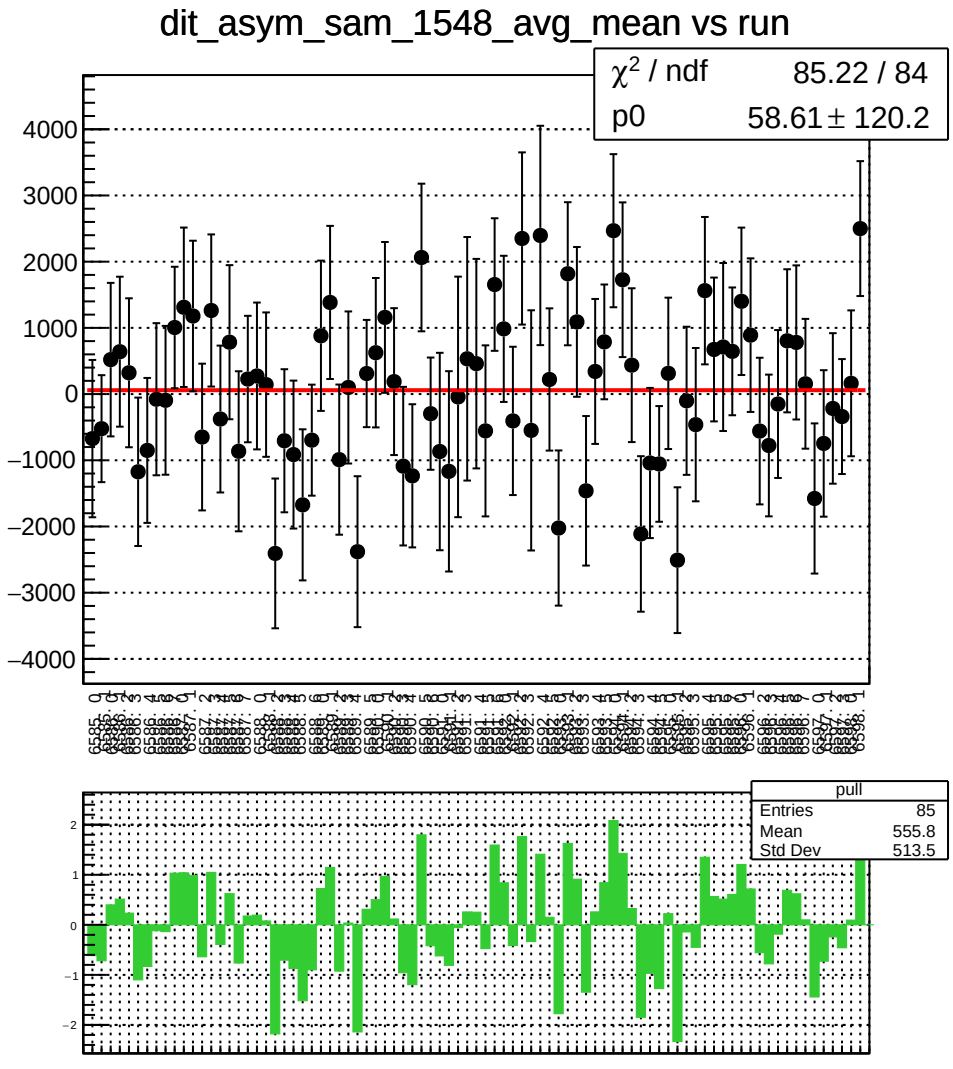

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 87.34 / 84
p0 153.3 ± 545.7
pull
Entries 85
Mean 317.3
Std Dev 290.9
pull1D
Entries 85
Mean 0.004535
Std Dev 1.014

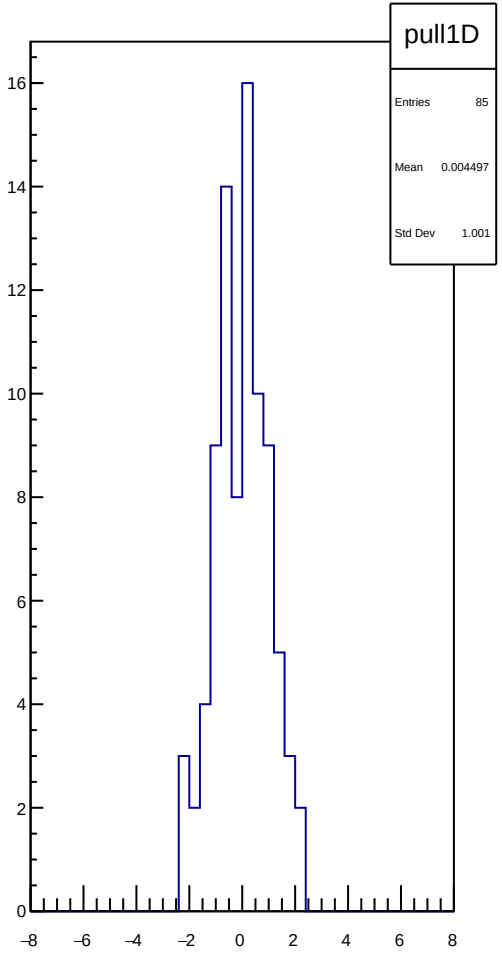

asym_sam_26_48_dd_correction_rms vs run
χ^2 / ndf 3236 / 84
p0 501.1 ± 0.3859
600
580
560
540
520
500
480
460

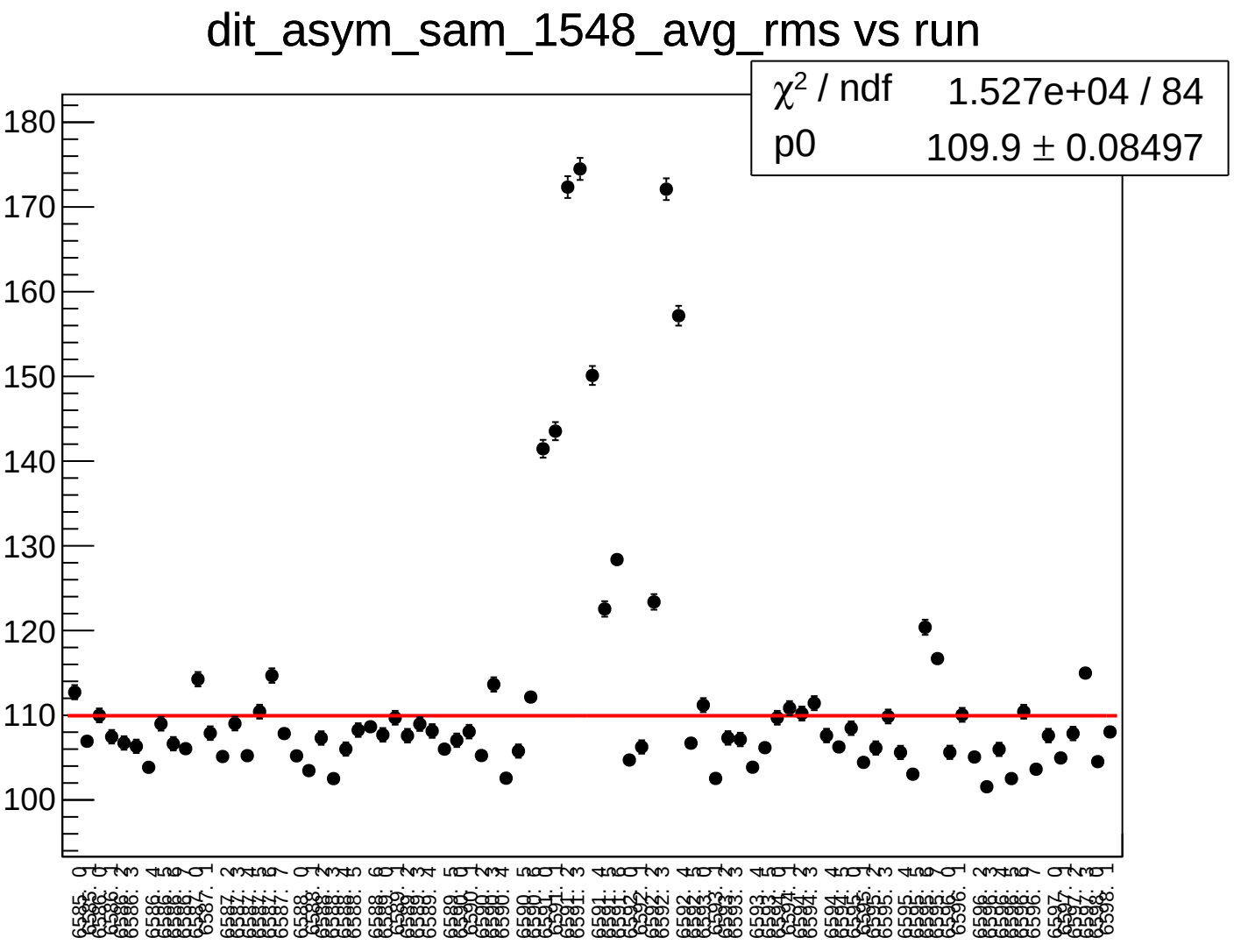

asym_sam_26_48_dd_mean vs run
χ² / ndf 88.38 / 84
p0 −191.1 ± 519.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 85
Mean 234.1
Std Dev 198.9
2
1
0
−1
−2

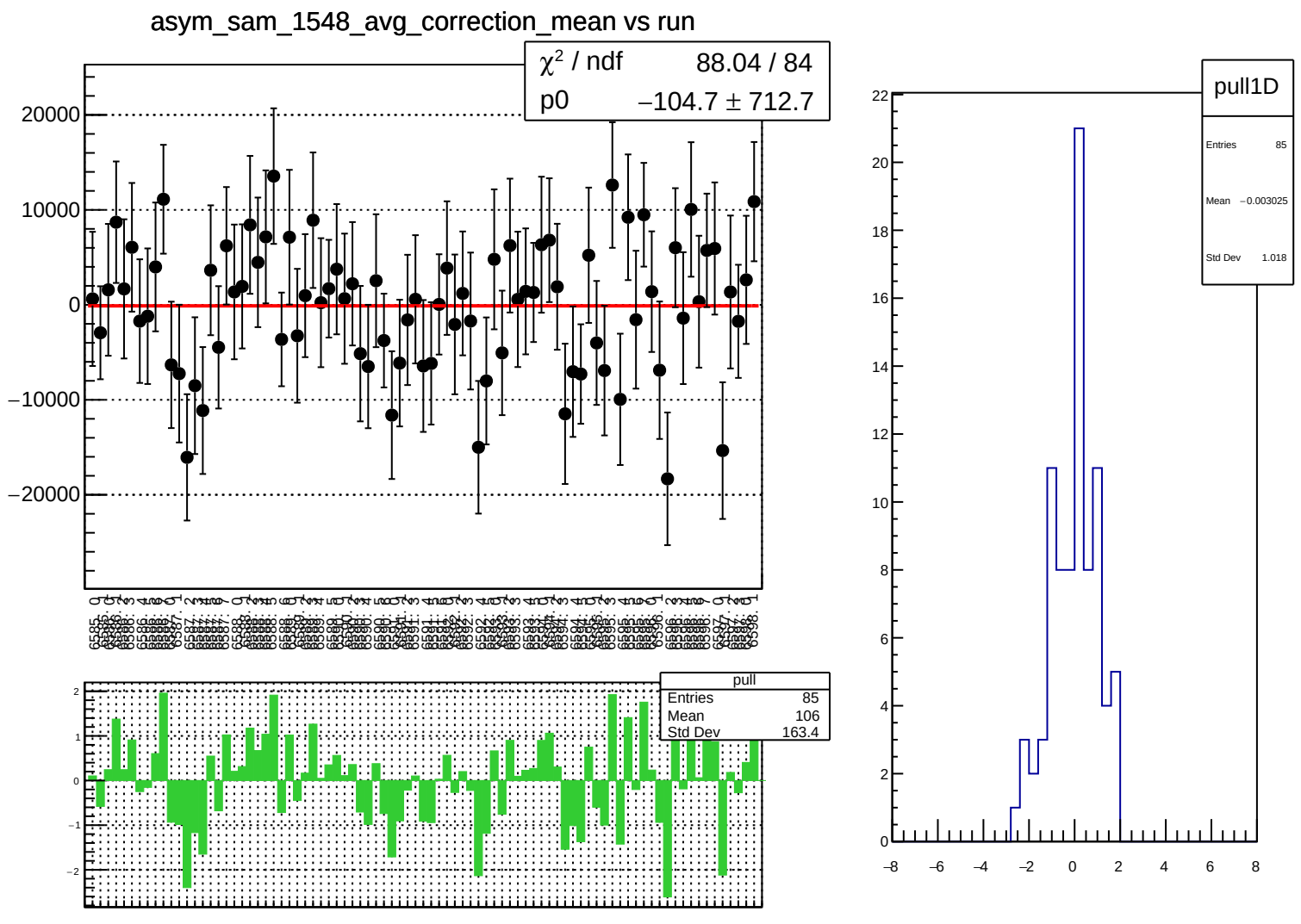

pull1D
Entries 85
Mean −0.00874
Std Dev 1.02
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

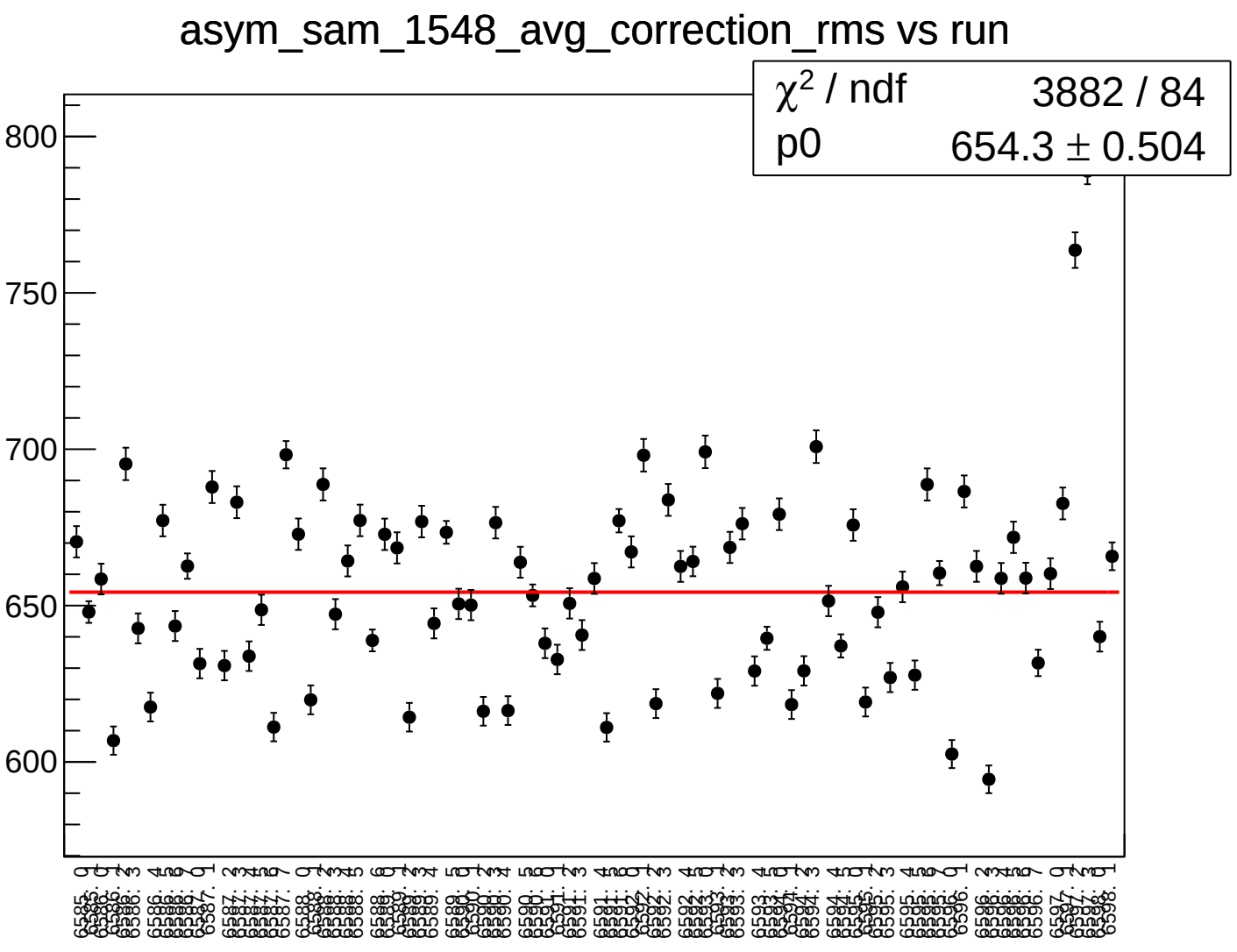

asym_sam_26_48_dd_rms vs run
χ² / ndf 4704 / 84
p0 477.1 ± 0.3676
600
580
560
540
520
500
480
460
440
420

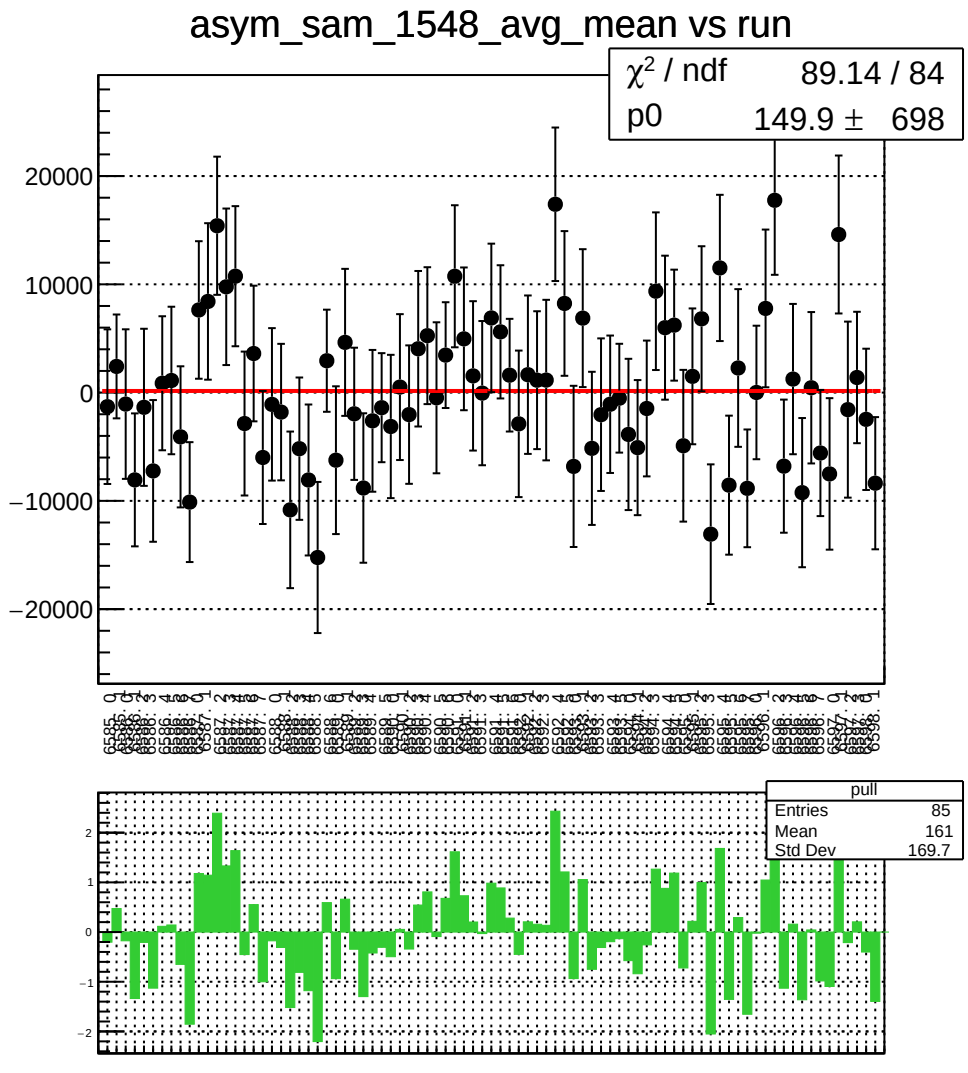

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 85.22 / 84
p0 58.61 ± 120.2
pull
Entries 85
Mean 555.8
Std Dev 513.5

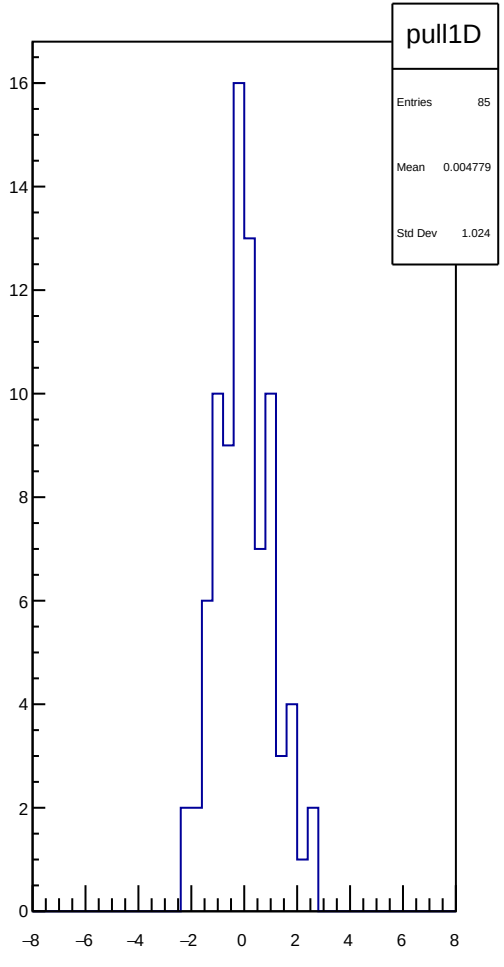

pull1D
Entries 85
Mean 0.004497
Std Dev 1.001

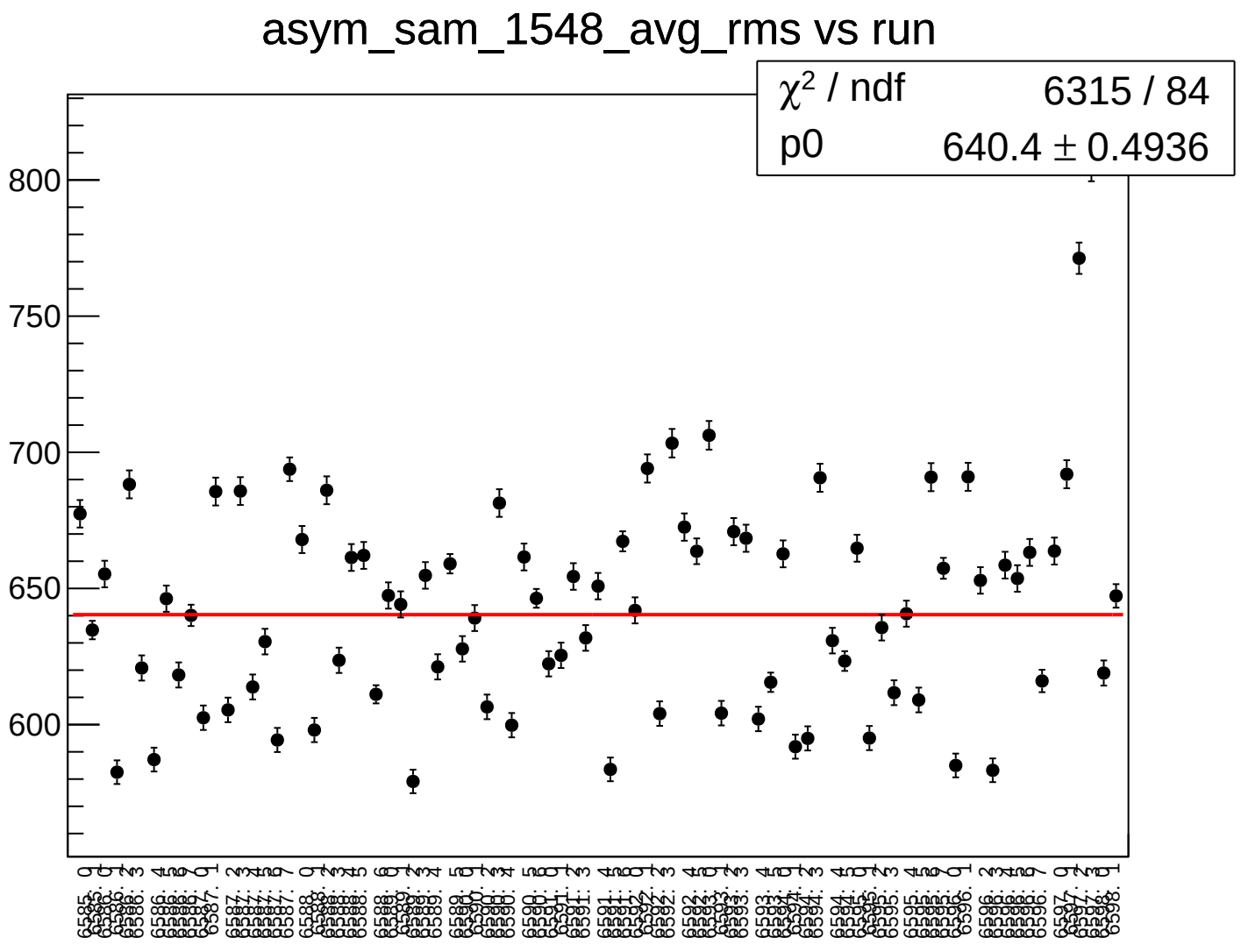

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.527e+04 / 84
p0 109.9 ± 0.08497
180
170
160
150
140
130
120
110
100

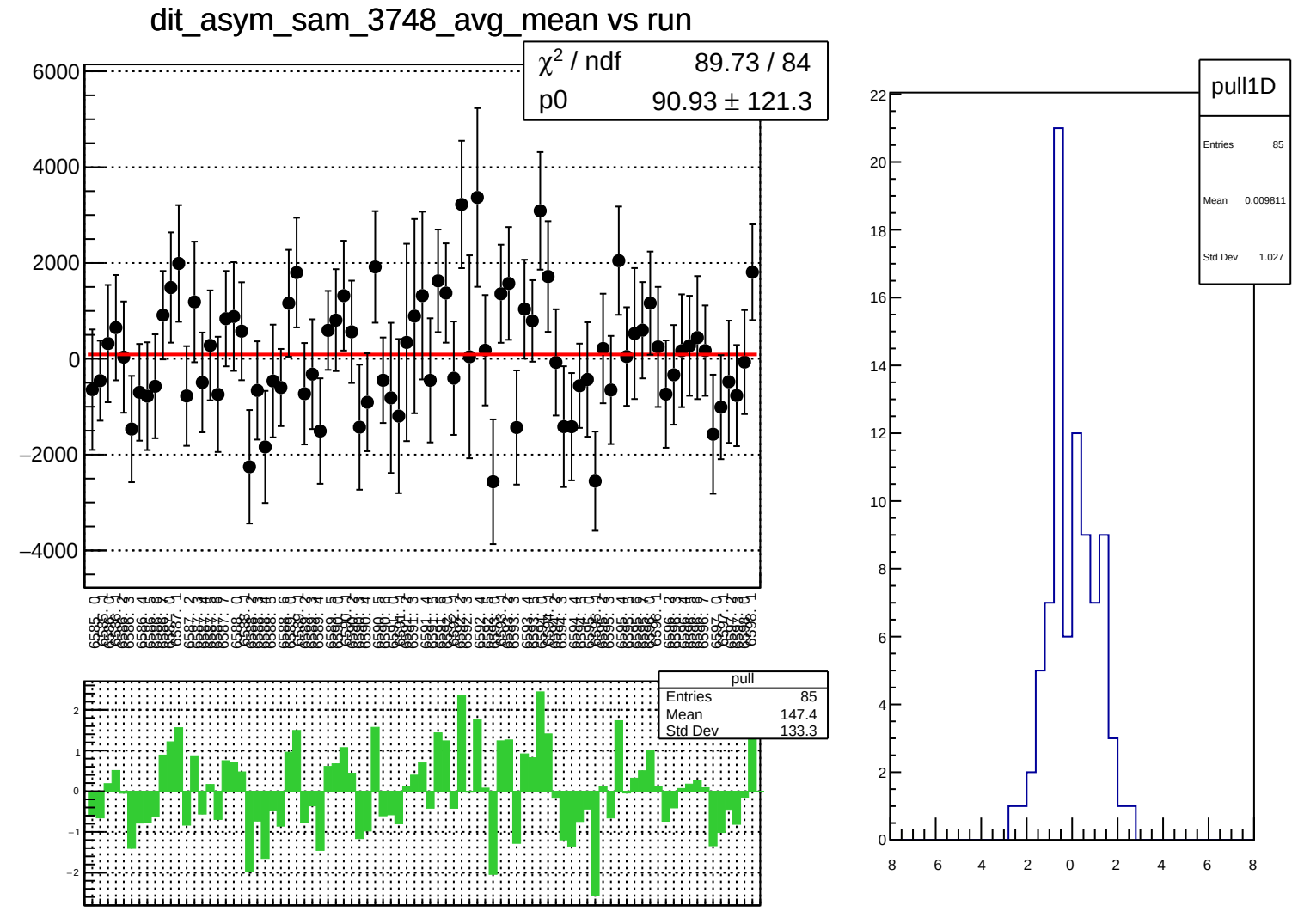

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 88.04 / 84
p0 −104.7 ± 712.7
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 106
Std Dev 163.4
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.003025
Std Dev 1.018
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

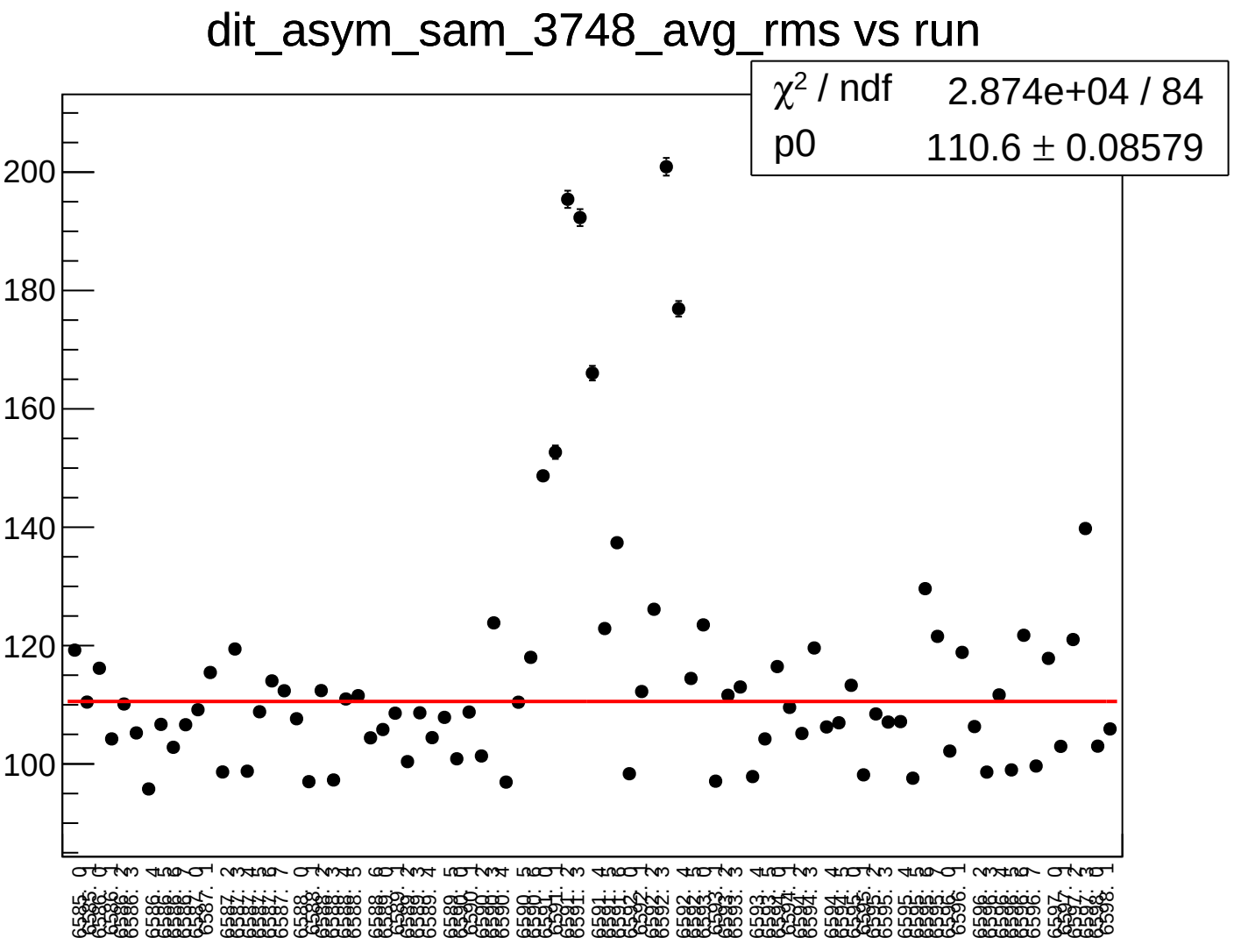

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 3882 / 84
p0 654.3 ± 0.504
800
750
700
650
600

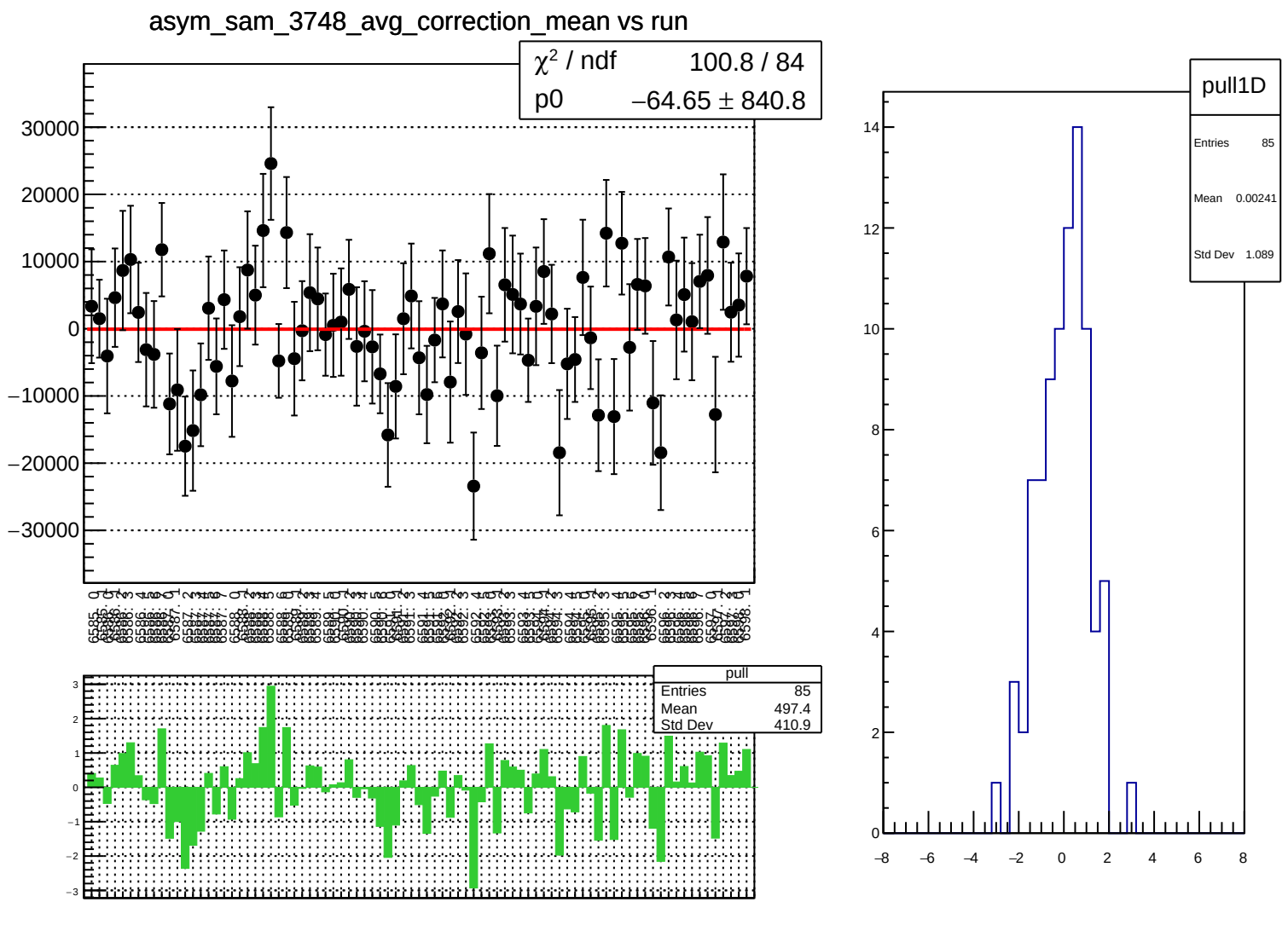

asym_sam_1548_avg_mean vs run
χ² / ndf 89.14 / 84
p0 149.9 ± 698
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 161
Std Dev 169.7
2
1
0
−1
−2

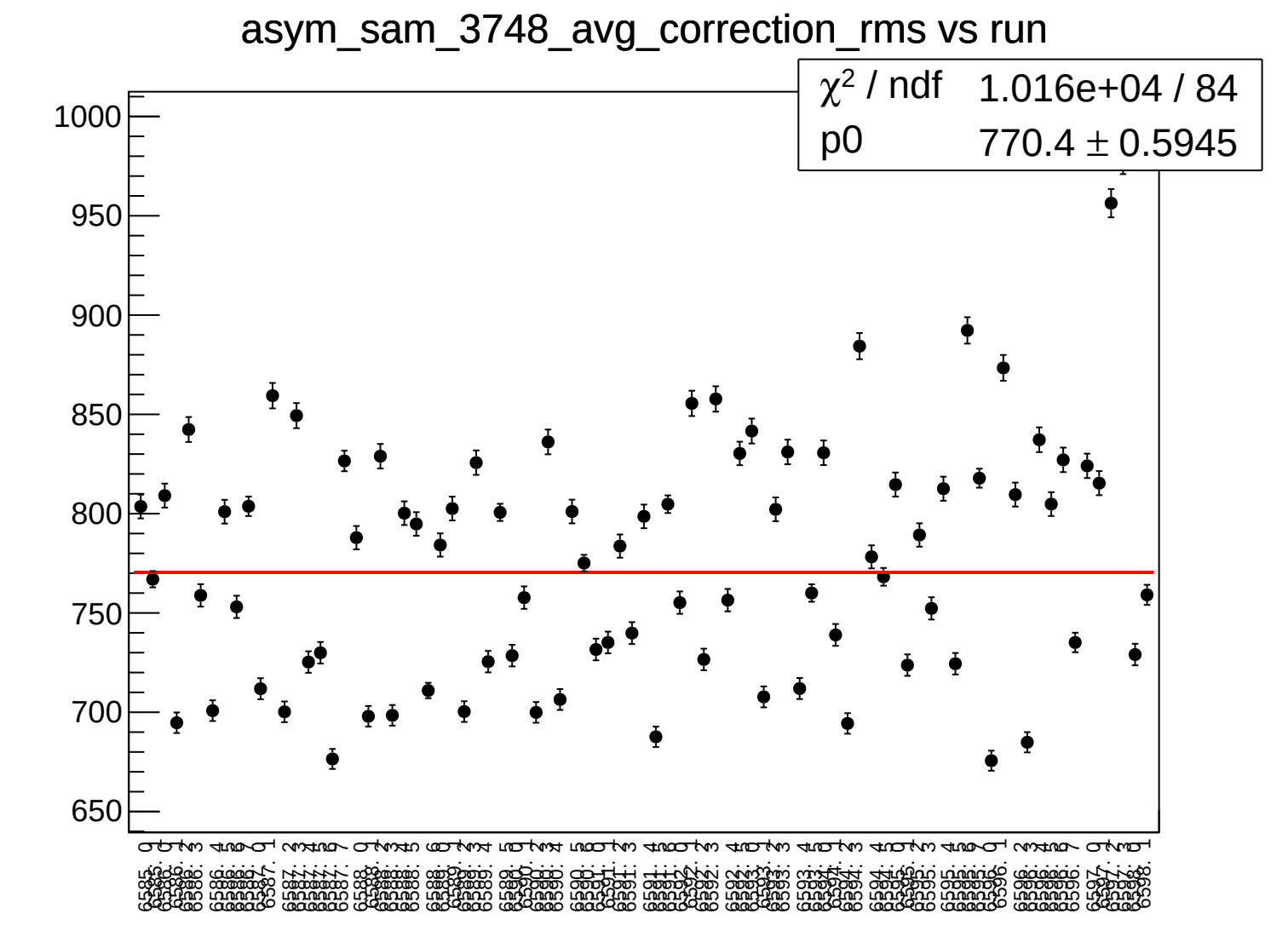

pull1D
Entries 85
Mean 0.004779
Std Dev 1.024
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

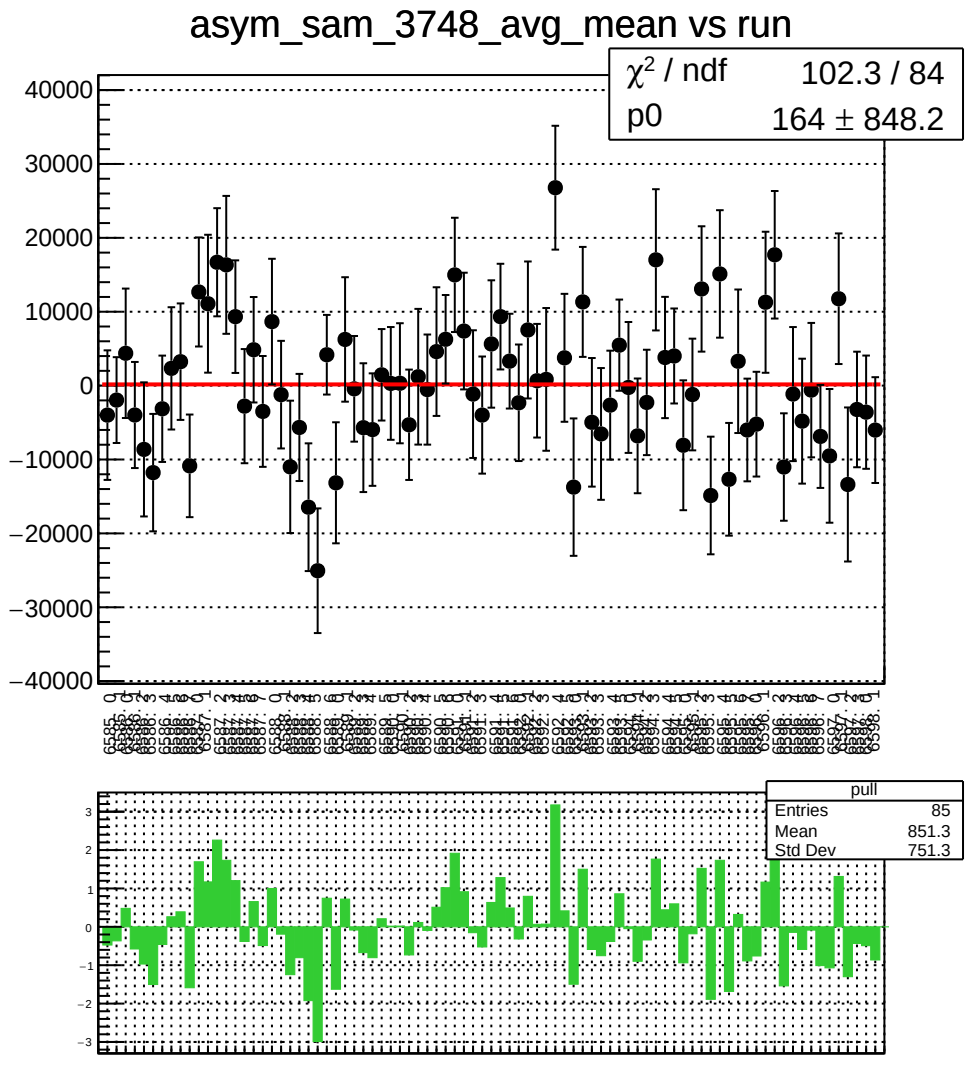

asym_sam_1548_avg_rms vs run
χ² / ndf 6315 / 84
p0 640.4 ± 0.4936
800
750
700
650
600

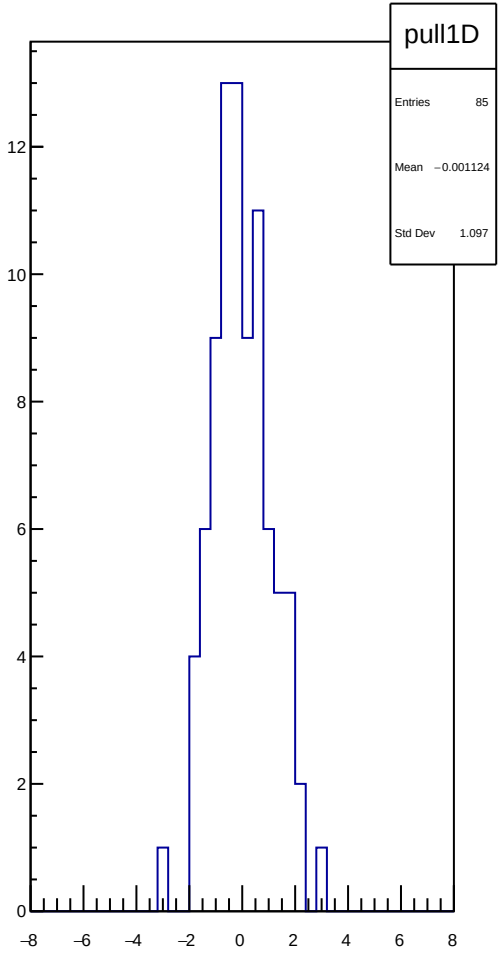

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 89.73 / 84
p0 90.93 ± 121.3
6000
4000
2000
0
−2000
−4000
pull
Entries 85
Mean 147.4
Std Dev 133.3
2
1
0
−1
−2
pull1D
Entries 85
Mean 0.009811
Std Dev 1.027
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

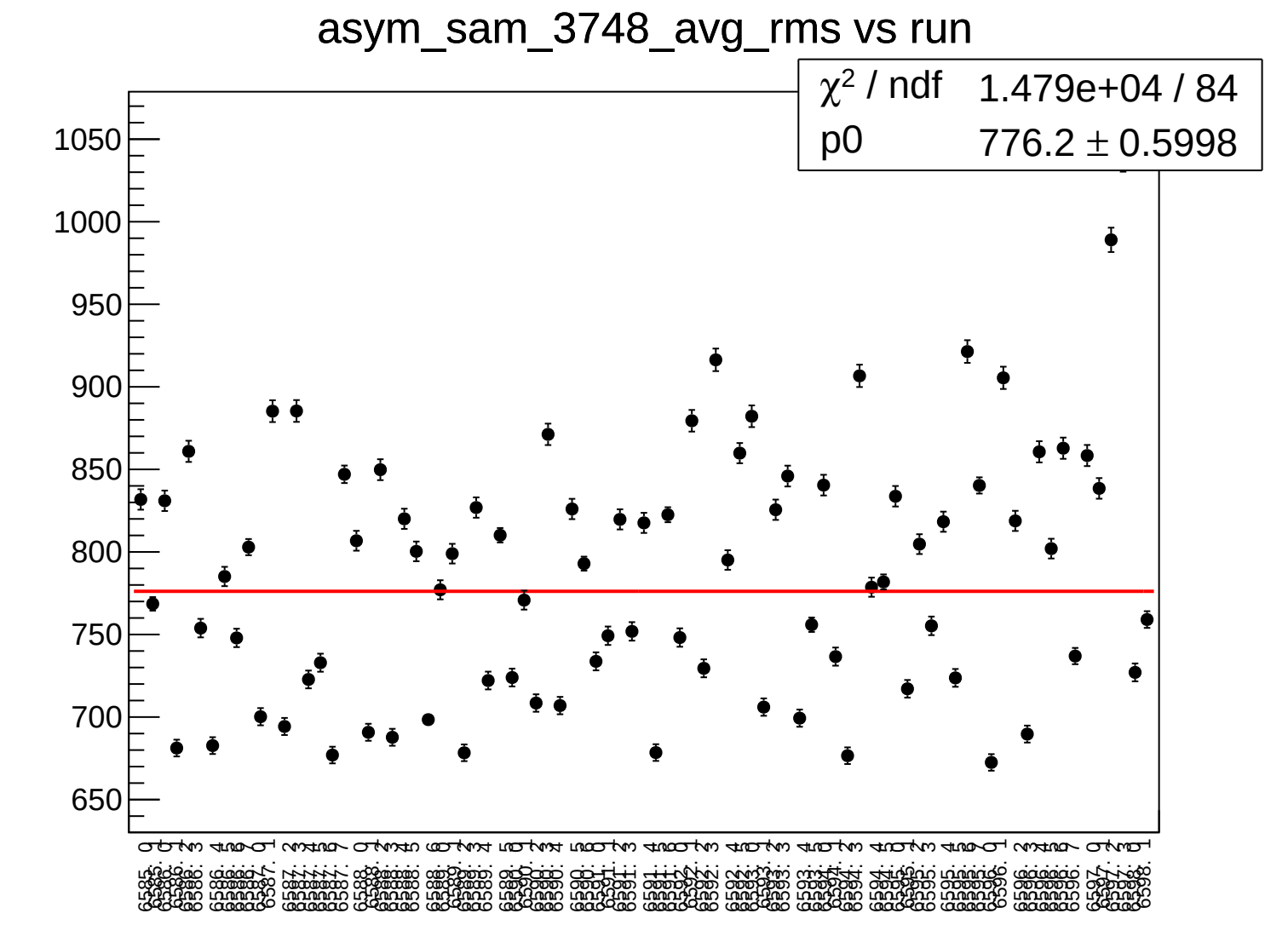

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 2.874e+04 / 84
p0 110.6 ± 0.08579
200
180
160
140
120
100

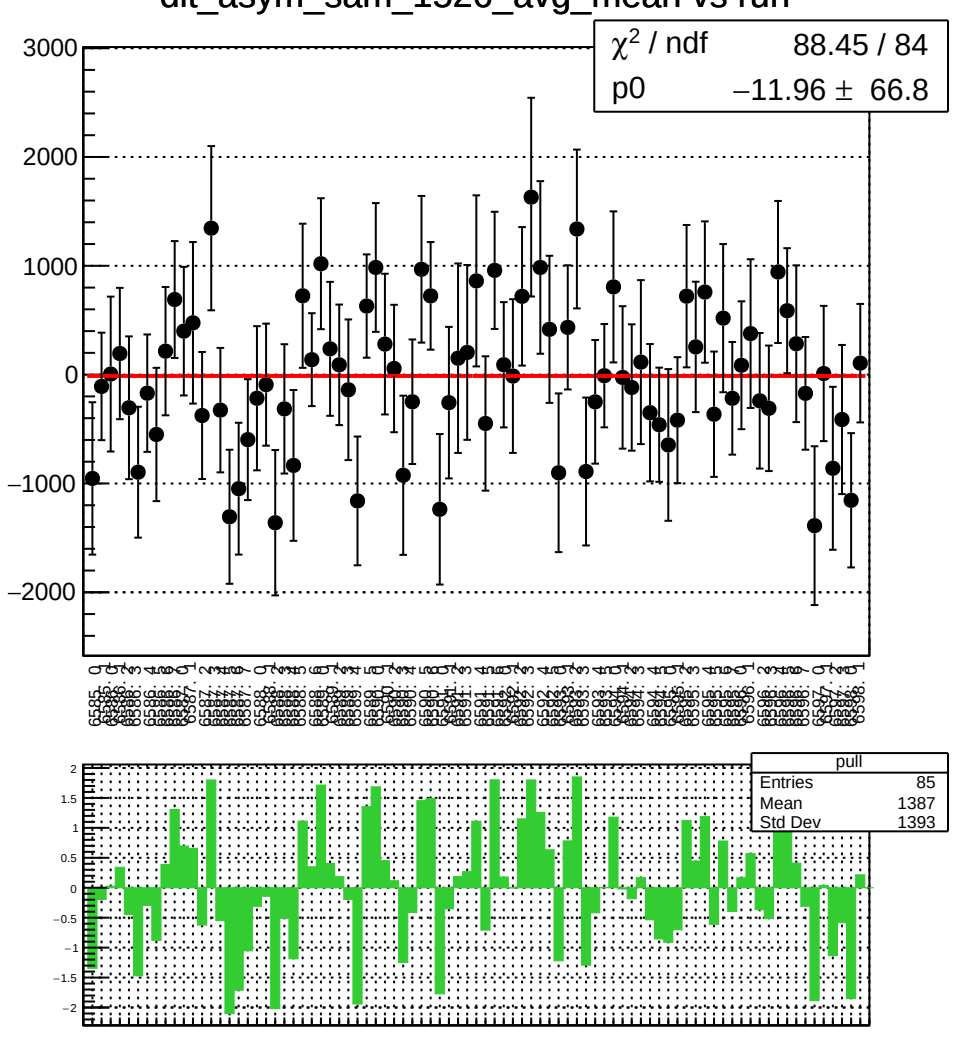

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 100.8 / 84
p0 −64.65 ± 840.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 497.4
Std Dev 410.9
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.00241
Std Dev 1.089
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

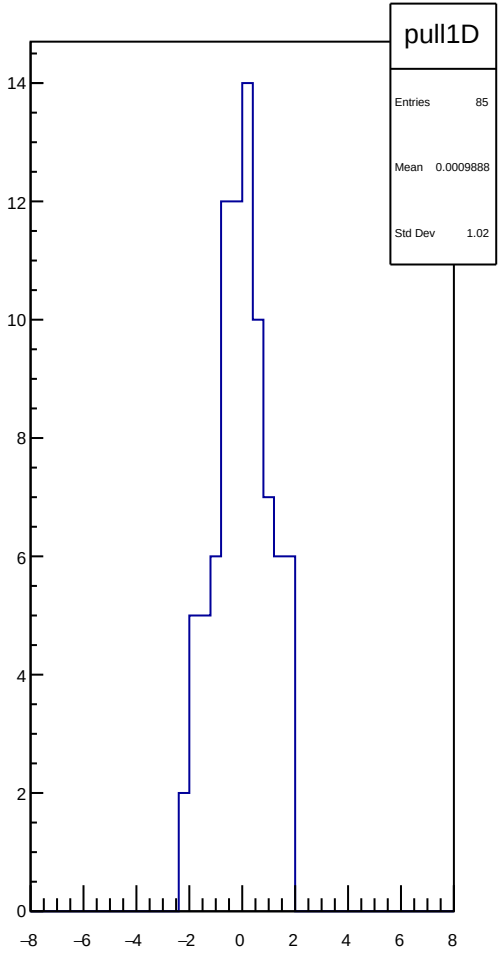

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 1.016e+04 / 84
p0 770.4 ± 0.5945
1000
950
900
850
800
750
700
650

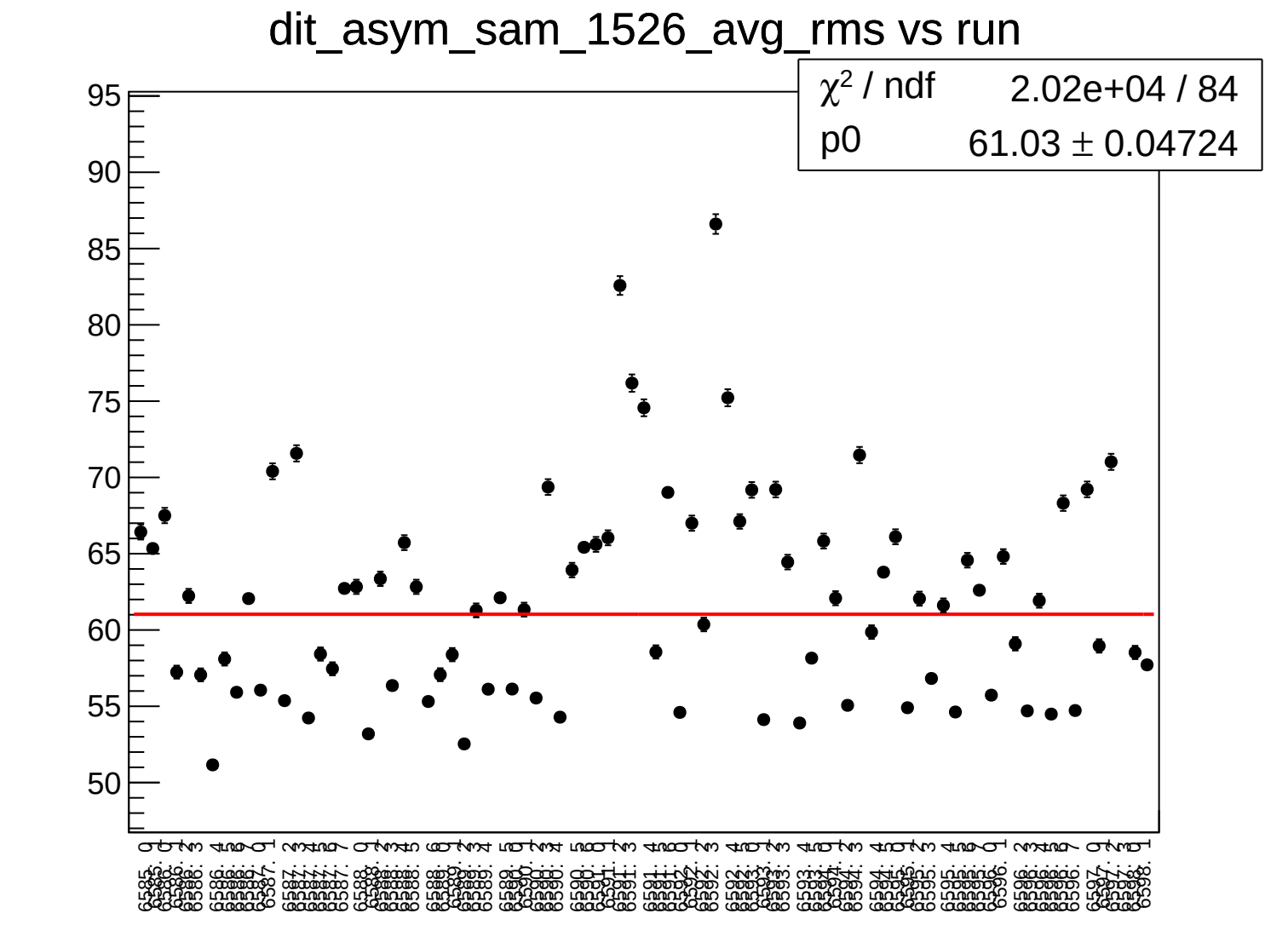

asym_sam_3748_avg_mean vs run
χ² / ndf 102.3 / 84
p0 164 ± 848.2
pull
Entries 85
Mean 851.3
Std Dev 751.3

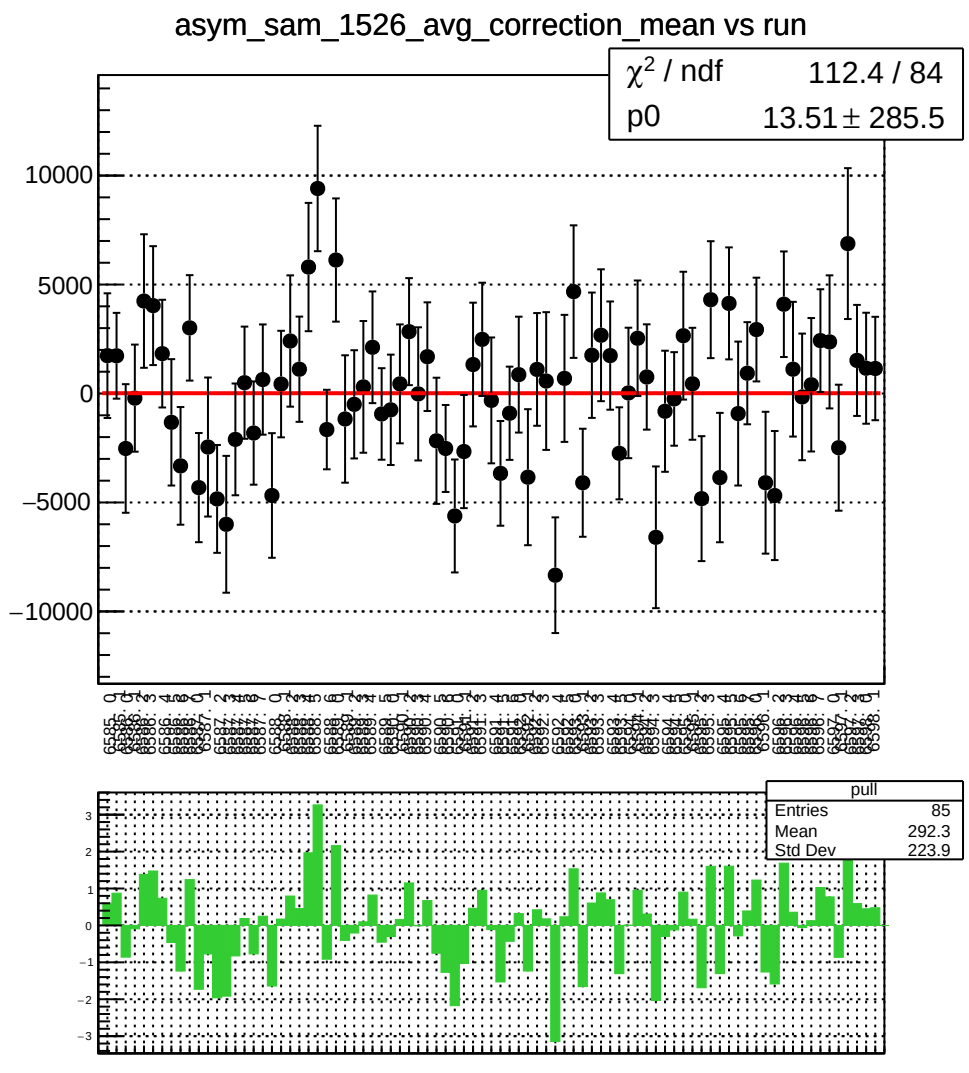

pull1D
Entries 85
Mean −0.001124
Std Dev 1.097

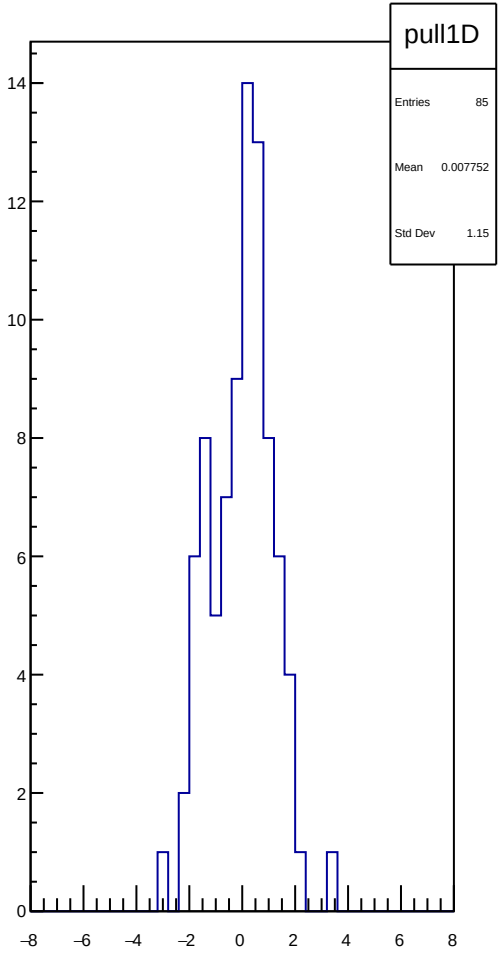

asym_sam_3748_avg_rms vs run
χ² / ndf 1.479e+04 / 84
p0 776.2 ± 0.5998
1050
1000
950
900
850
800
750
700
650

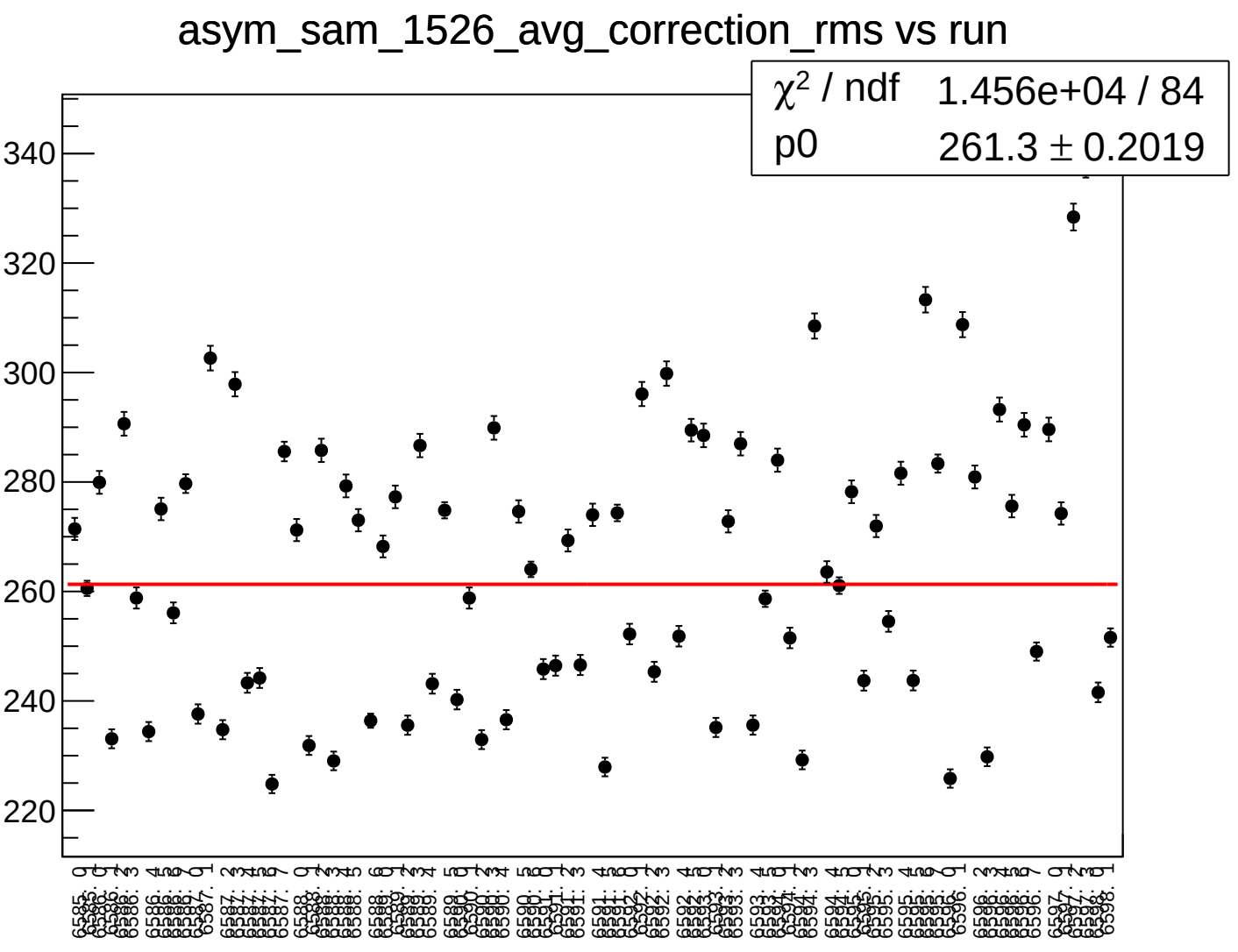

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 88.45 / 84
p0 −11.96 ± 66.8
3000
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 1387
Std Dev 1393
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

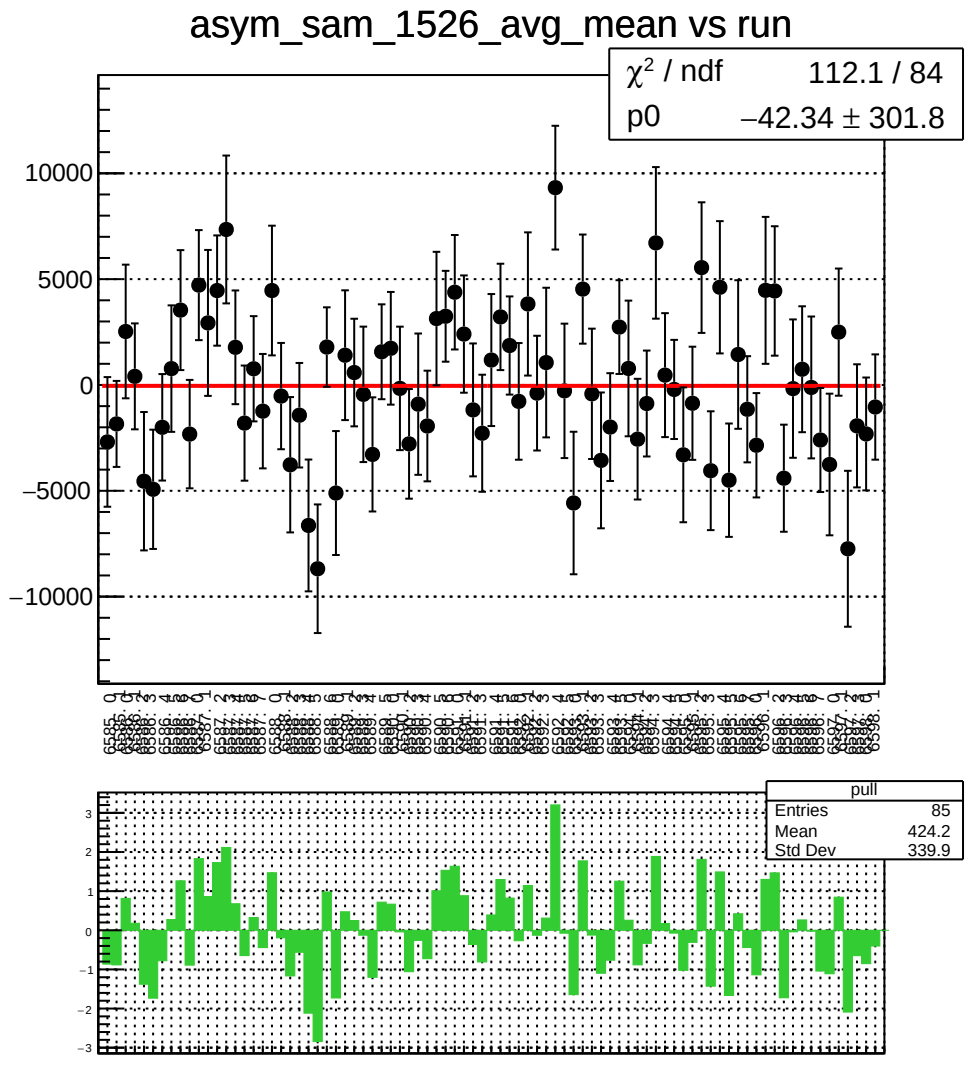

pull1D
Entries 85
Mean 0.0009888
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

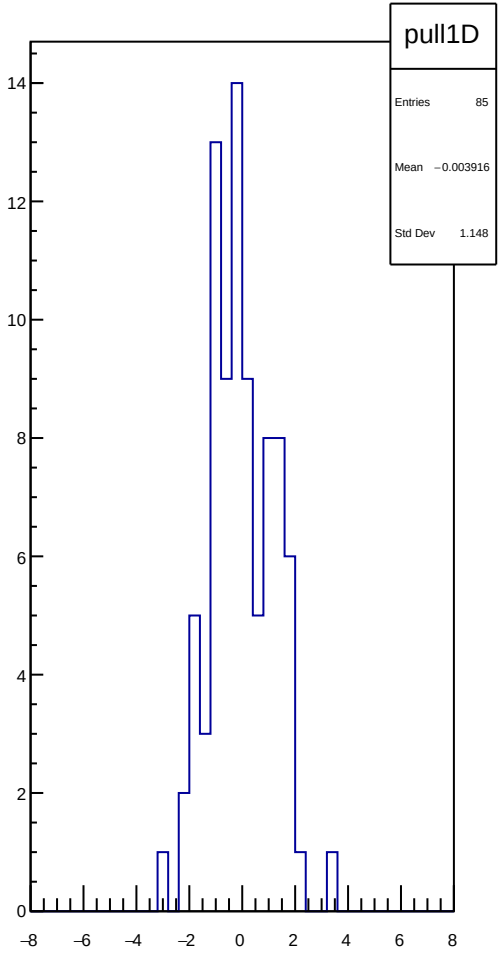

dit_asym_sam_1526_avg_rms vs run
χ^2 / ndf 2.02e+04 / 84
p0 61.03 ± 0.04724
95
90
85
80
75
70
65
60
55
50

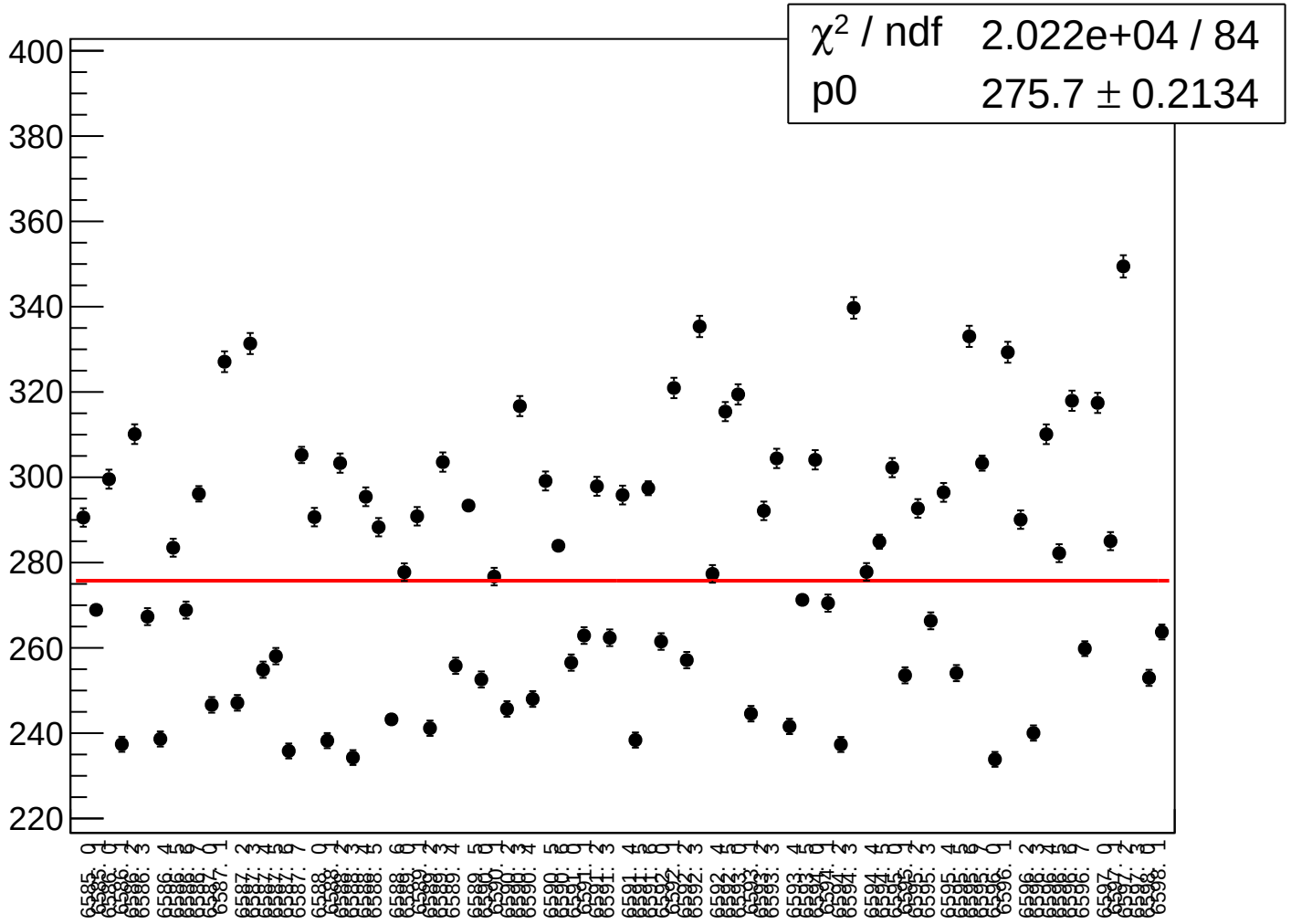

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 112.4 / 84
p0 13.51 ± 285.5
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 292.3
Std Dev 223.9
3
2
1
0
−1
−2
−3

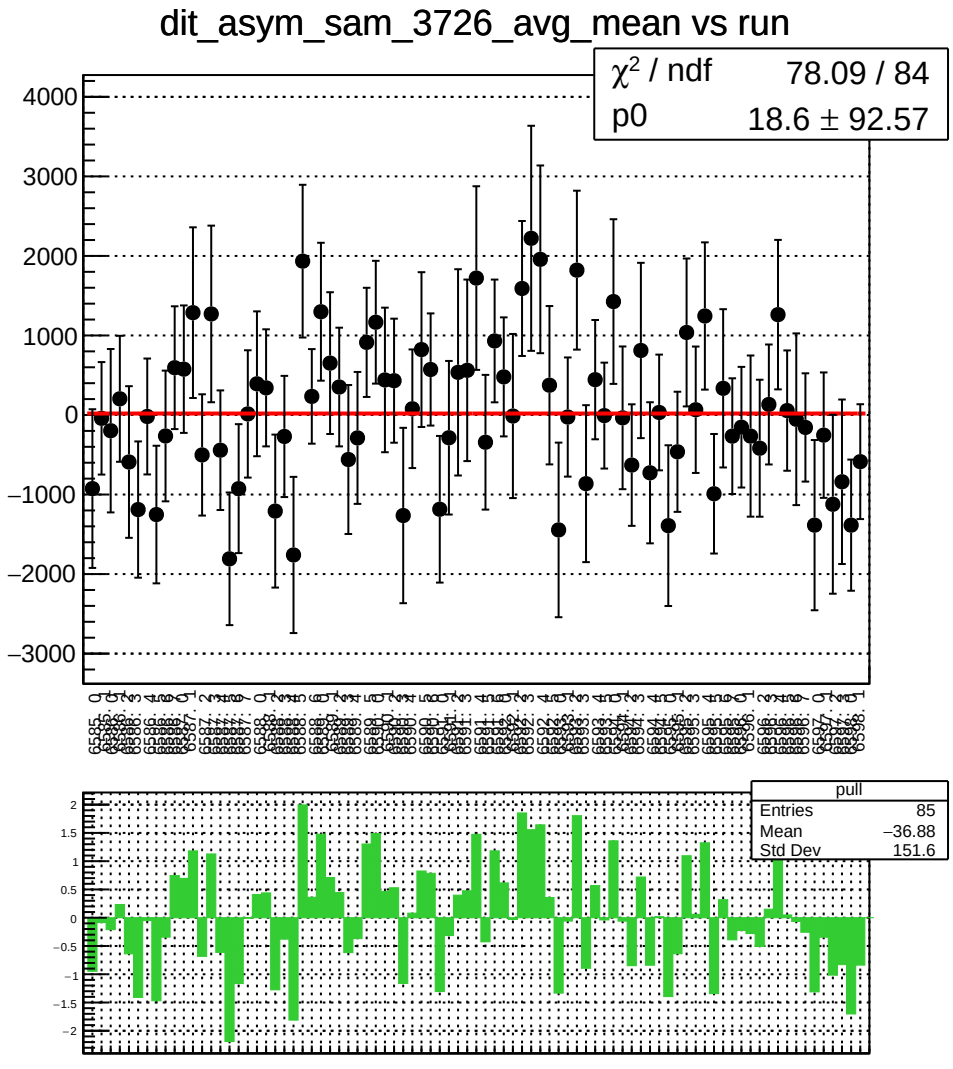

pull1D
Entries 85
Mean 0.007752
Std Dev 1.15
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

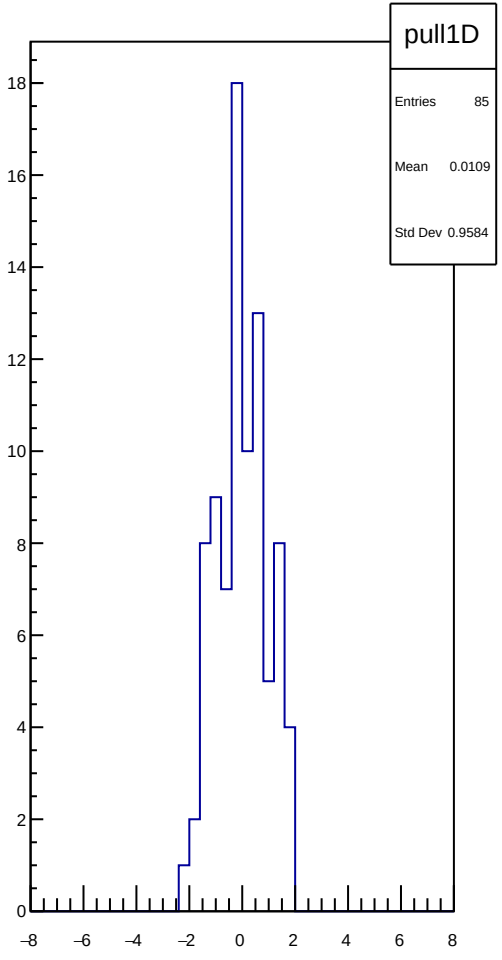

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 1.456e+04 / 84
p0 261.3 ± 0.2019
340
320
300
280
260
240
220

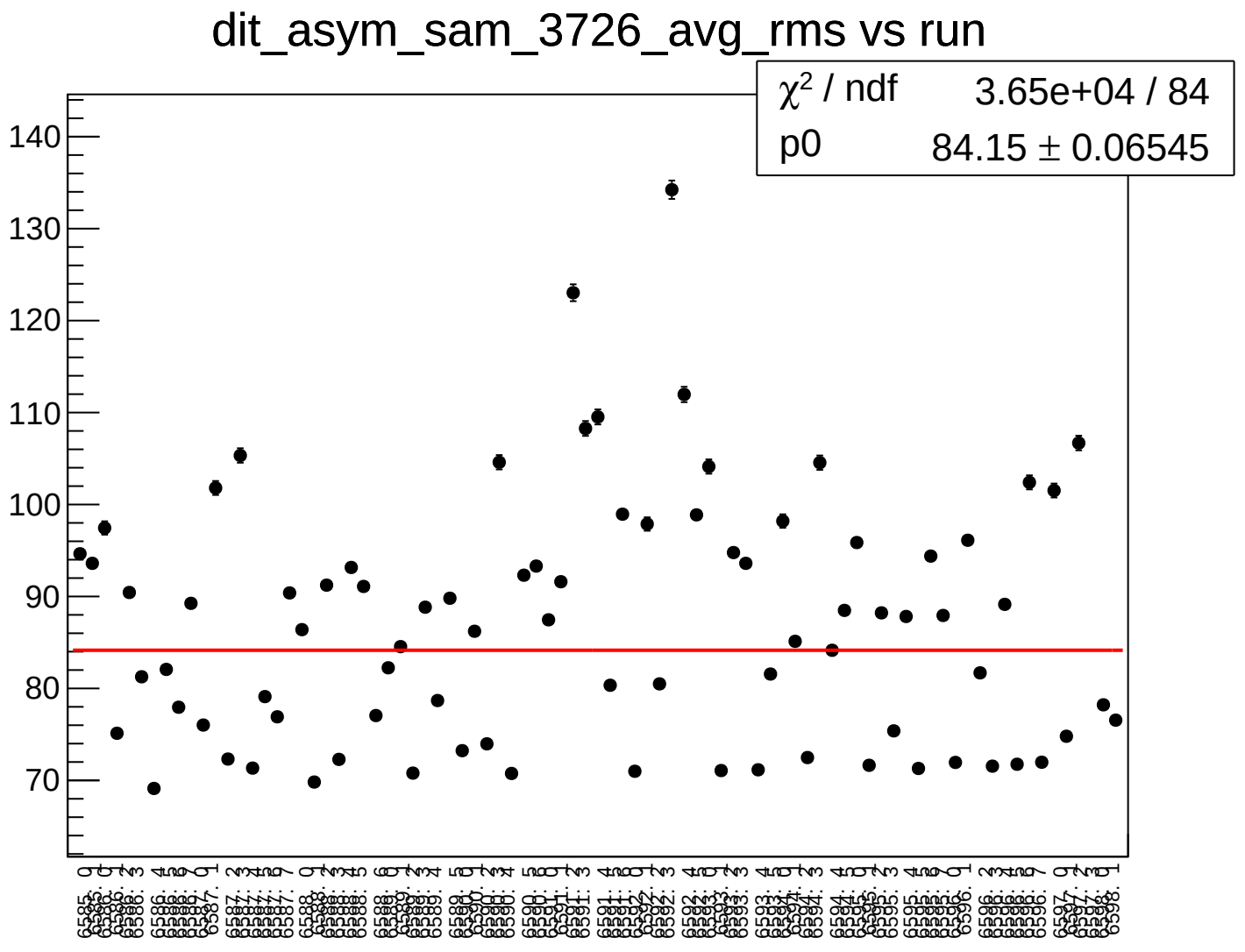

asym_sam_1526_avg_mean vs run
χ² / ndf 112.1 / 84
p0 −42.34 ± 301.8
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 424.2
Std Dev 339.9
3
2
1
0
−1
−2
−3

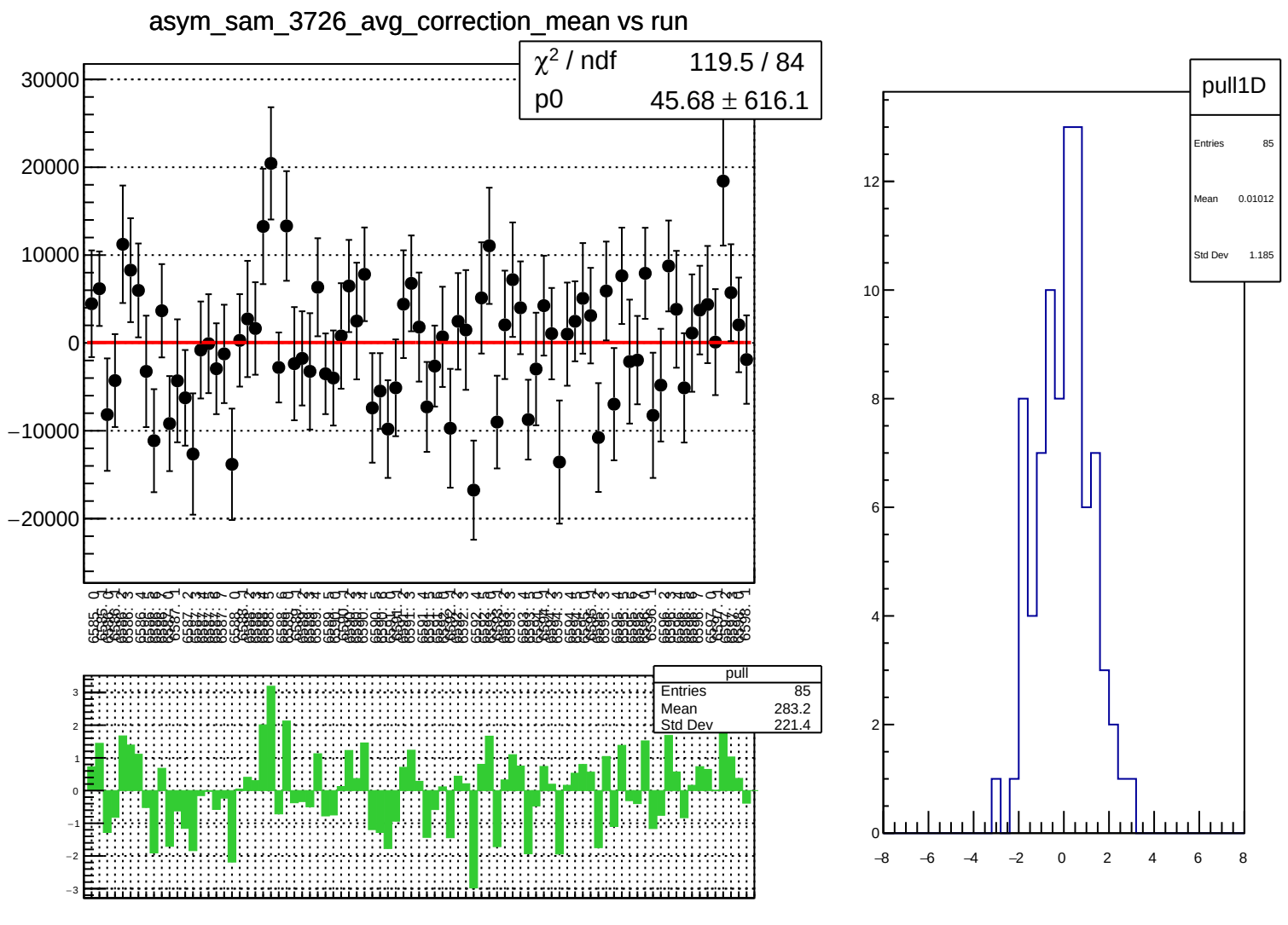

pull1D
Entries 85
Mean −0.003916
Std Dev 1.148
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

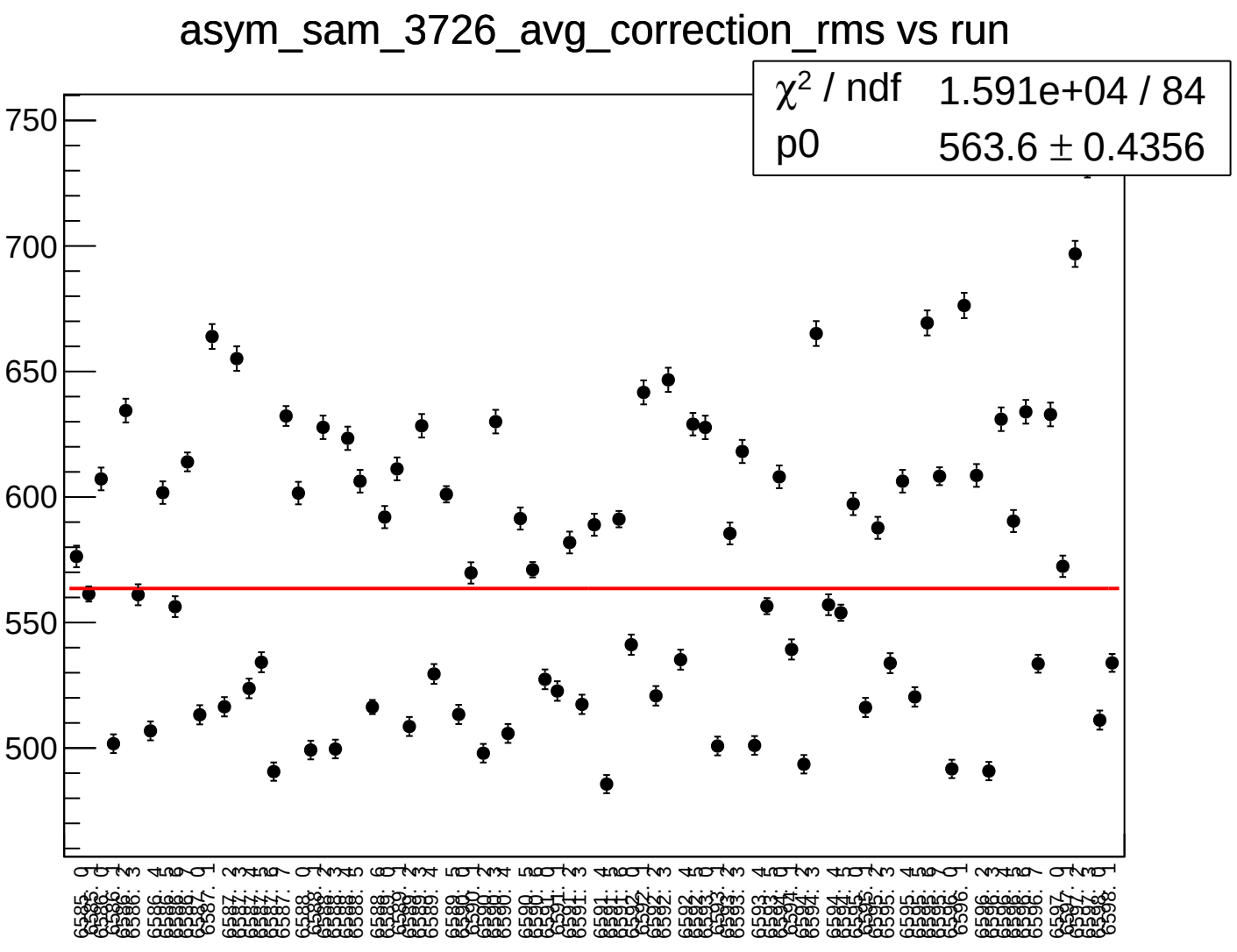

asym_sam_1526_avg_rms vs run
χ² / ndf 2.022e+04 / 84
p0 275.7 ± 0.2134
400
380
360
340
320
300
280
260
240
220

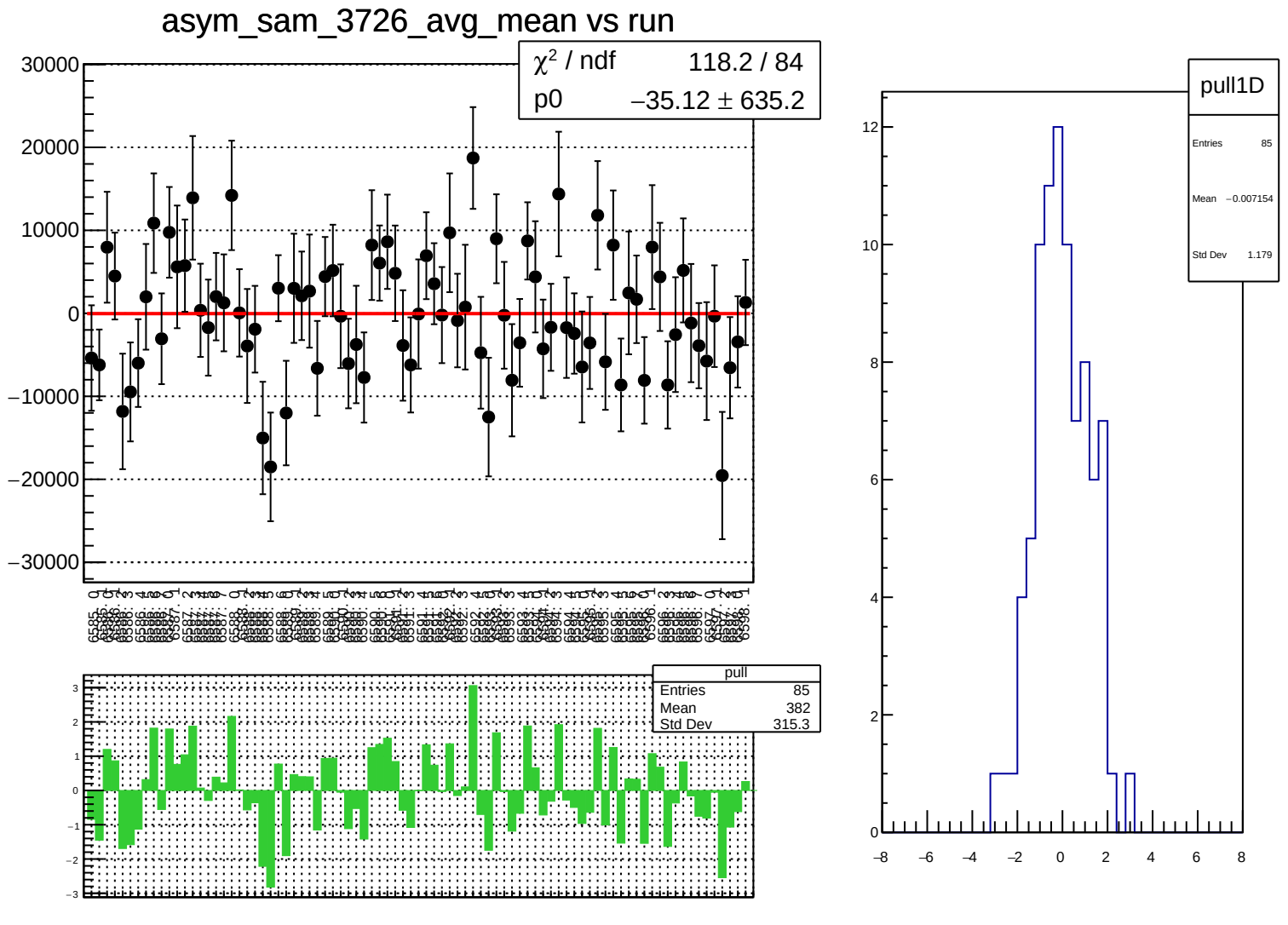

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 78.09 / 84
p0 18.6 ± 92.57
pull
Entries 85
Mean −36.88
Std Dev 151.6

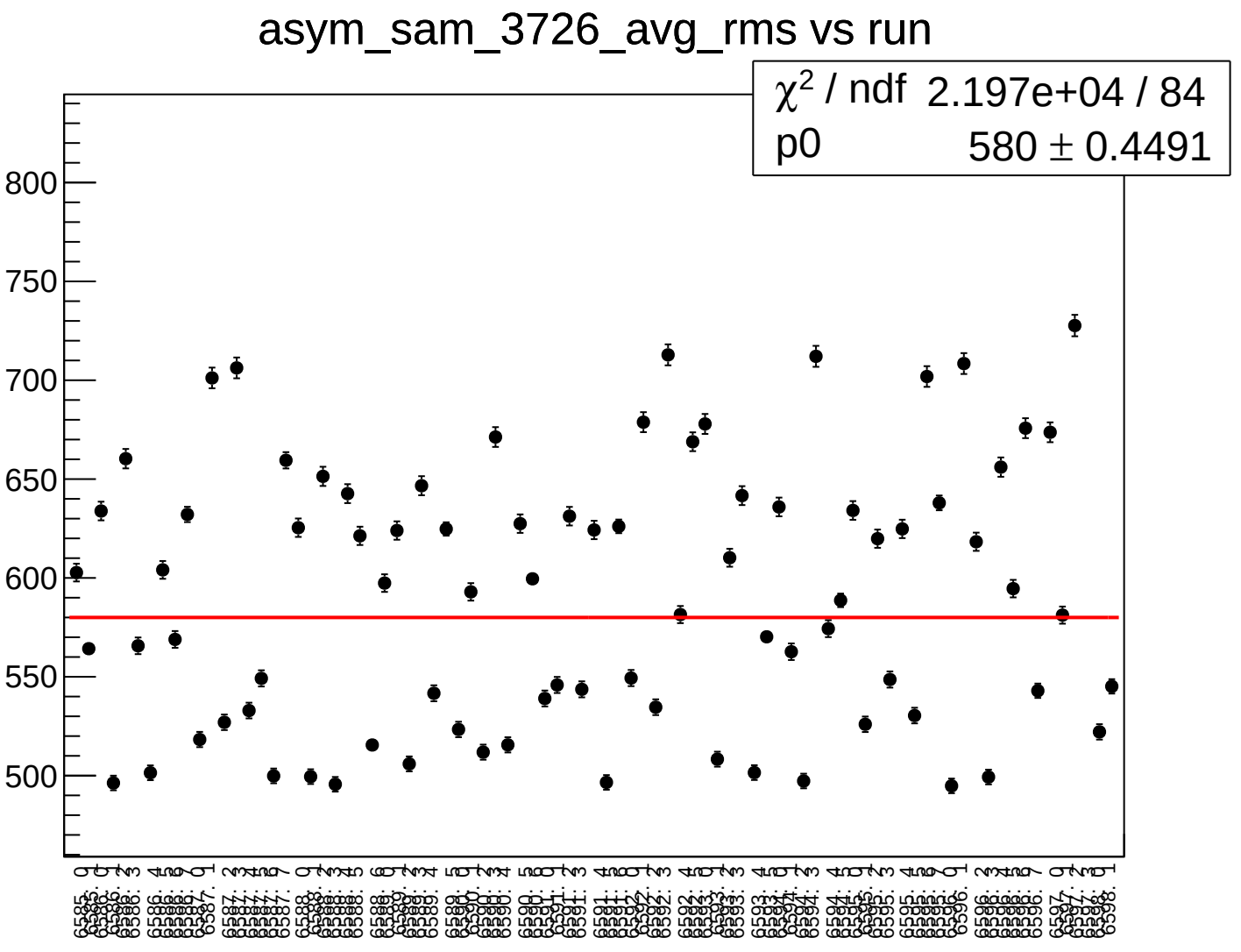

pull1D
Entries 85
Mean 0.0109
Std Dev 0.9584

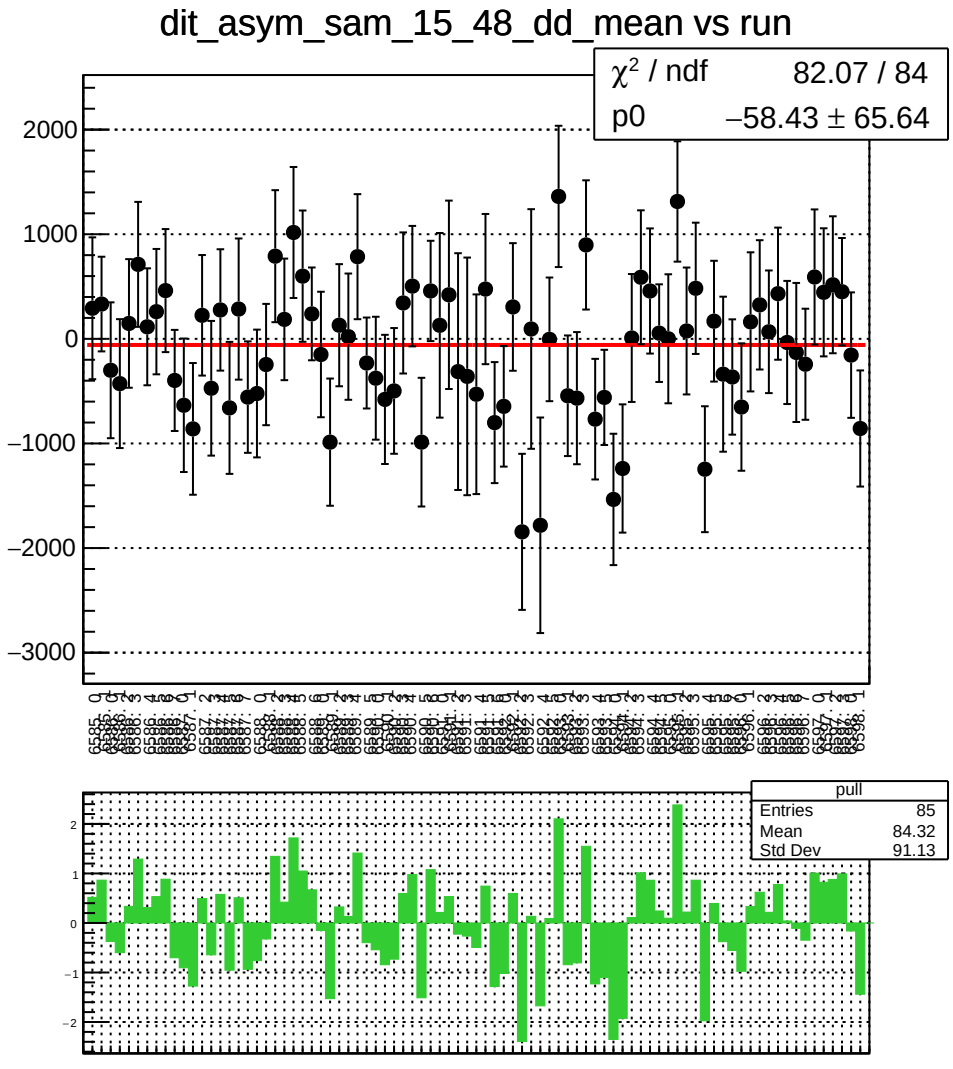

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3.65e+04 / 84
p0 84.15 ± 0.06545
140
130
120
110
100
90
80
70

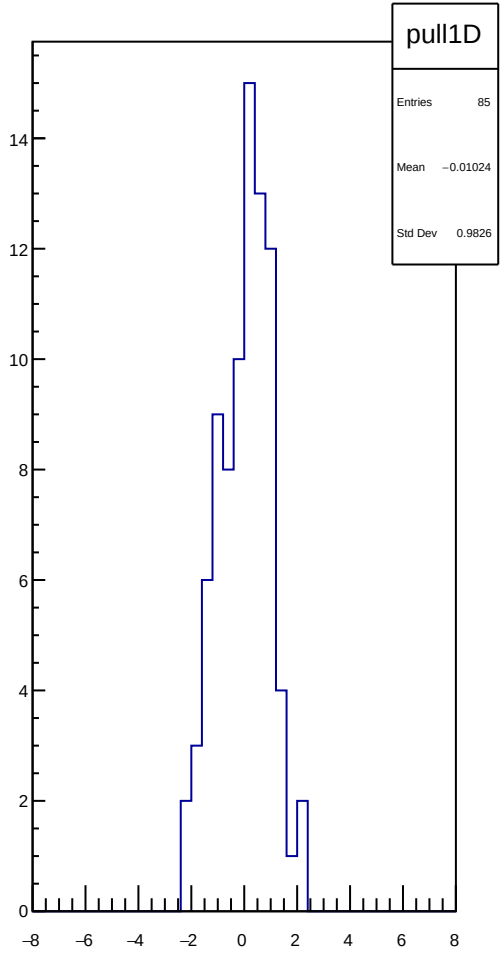

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 119.5 / 84
p0 45.68 ± 616.1
30000
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 283.2
Std Dev 221.4
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.01012
Std Dev 1.185
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

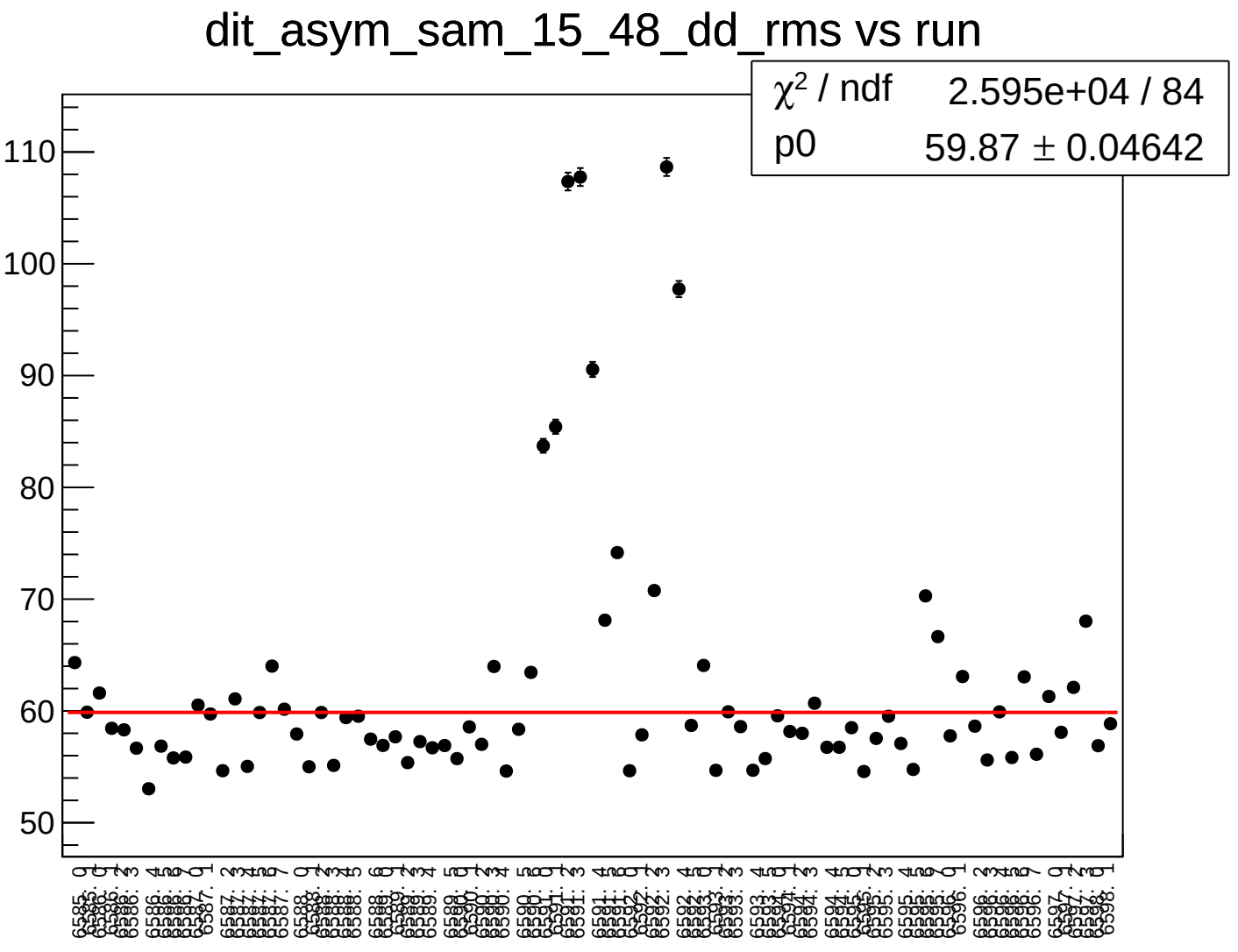

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 1.591e+04 / 84
p0 563.6 ± 0.4356
750
700
650
600
550
500

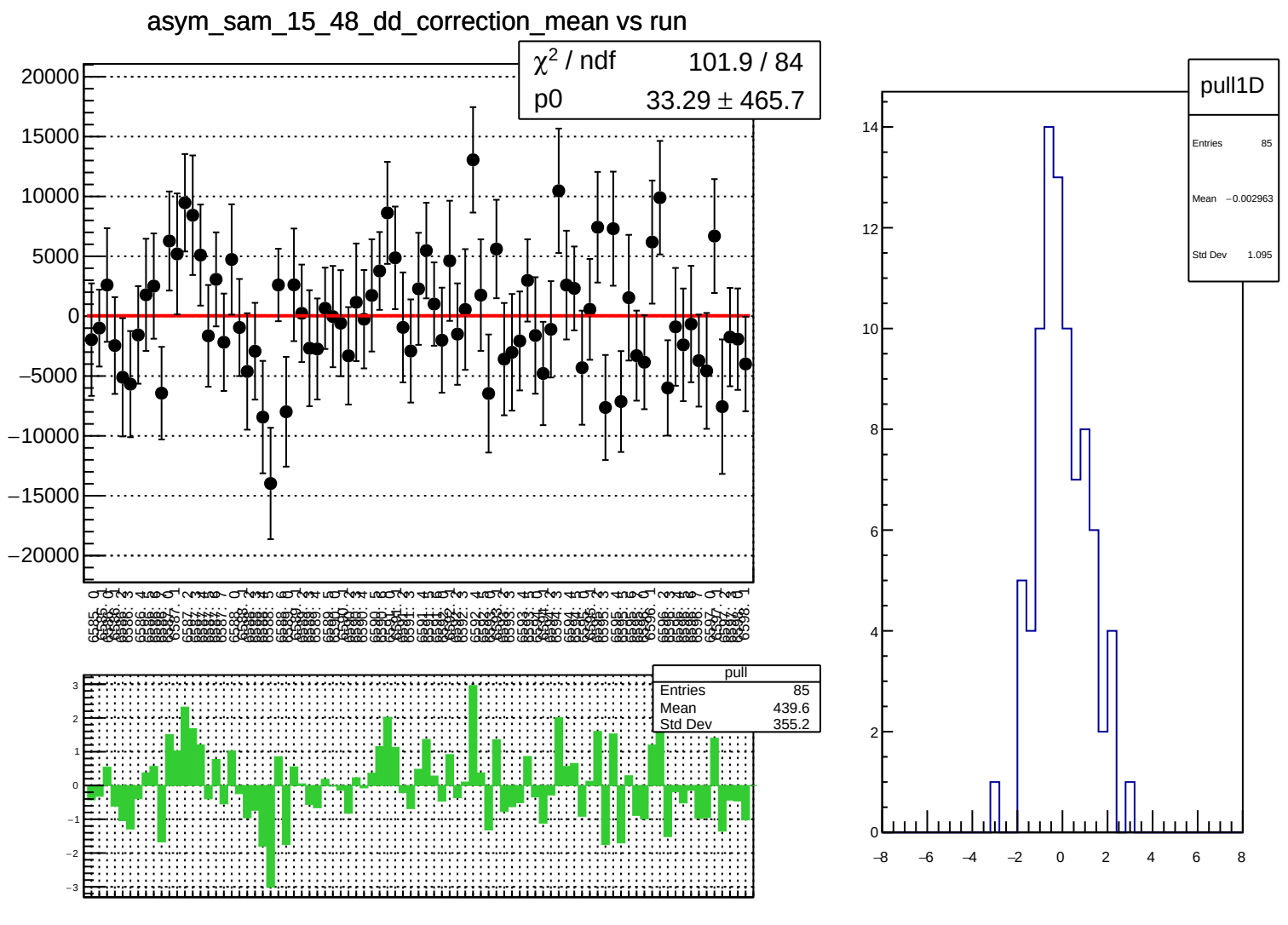

asym_sam_3726_avg_mean vs run
χ² / ndf 118.2 / 84
p0 −35.12 ± 635.2
pull
Entries 85
Mean 382
Std Dev 315.3
pull1D
Entries 85
Mean −0.007154
Std Dev 1.179

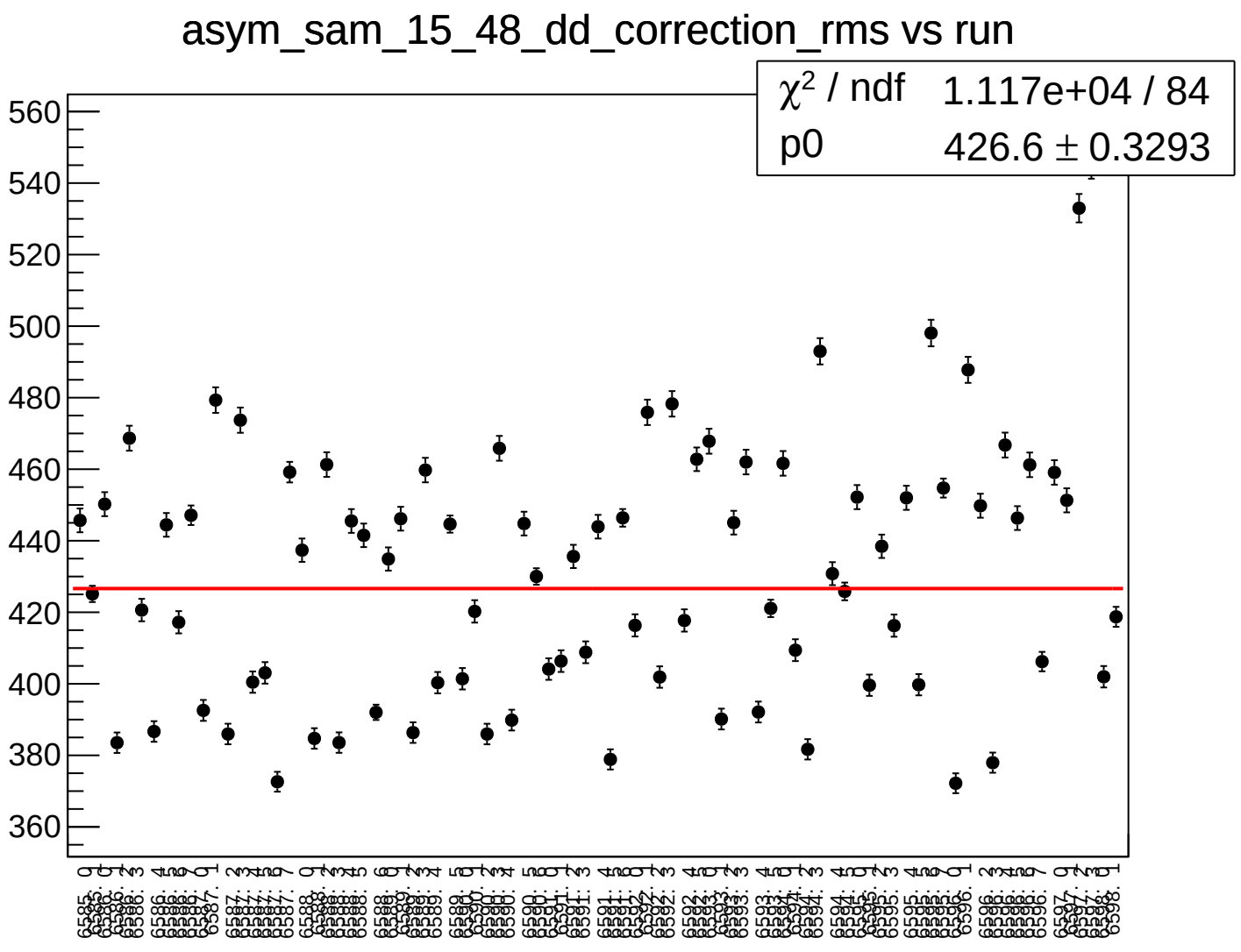

asym_sam_3726_avg_rms vs run
χ² / ndf 2.197e+04 / 84
p0 580 ± 0.4491
800
750
700
650
600
550
500

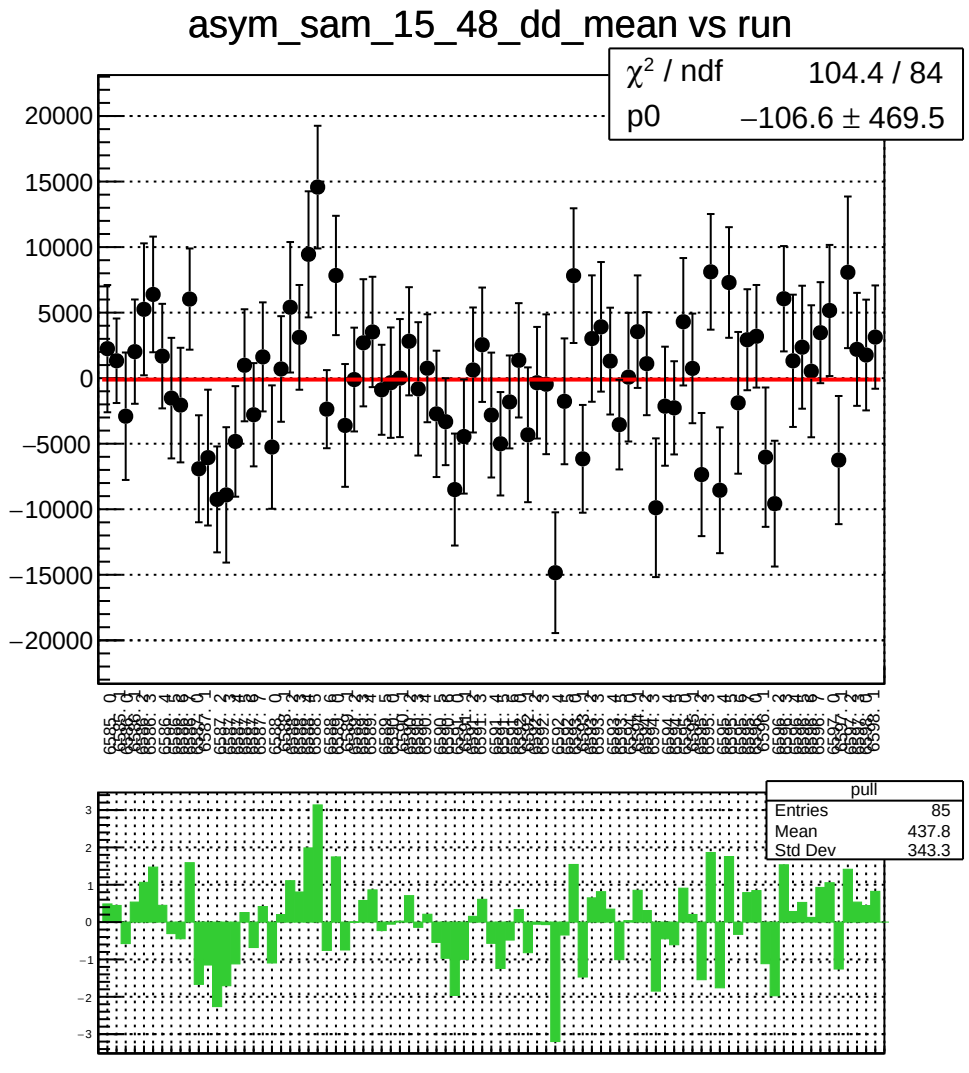

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 82.07 / 84
p0 −58.43 ± 65.64
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean 84.32
Std Dev 91.13
2
1
0
−1
−2

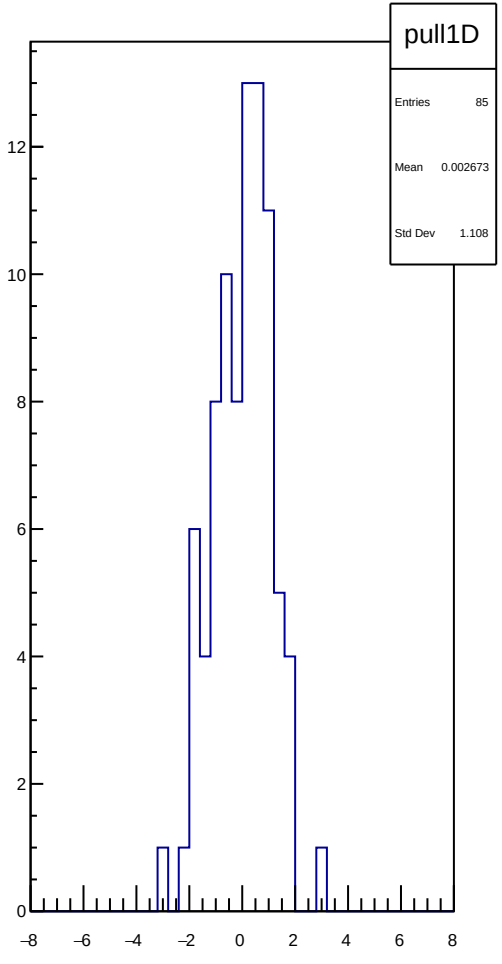

pull1D
Entries 85
Mean −0.01024
Std Dev 0.9826
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

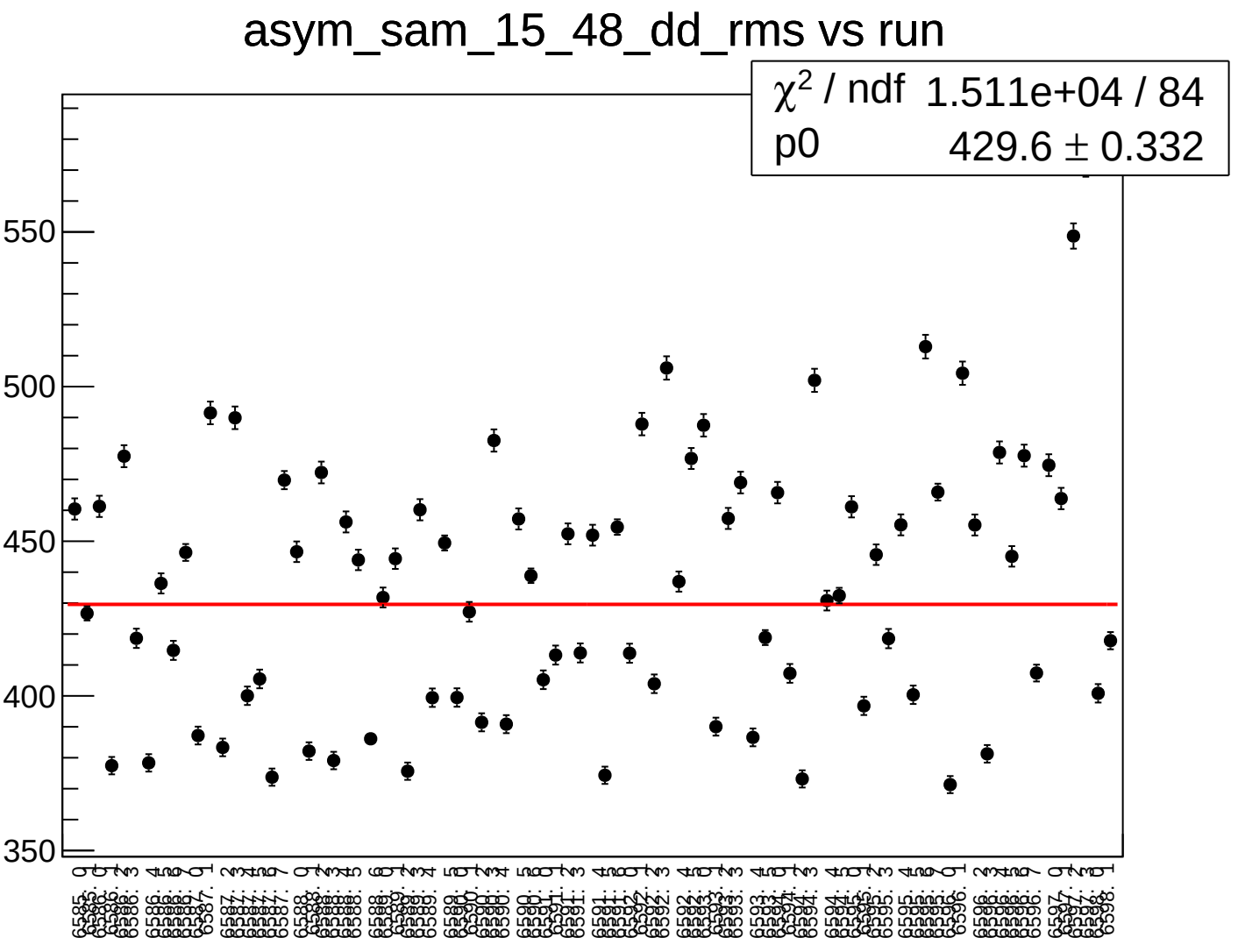

dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2.595e+04 / 84
p0 59.87 ± 0.04642
110
100
90
80
70
60
50

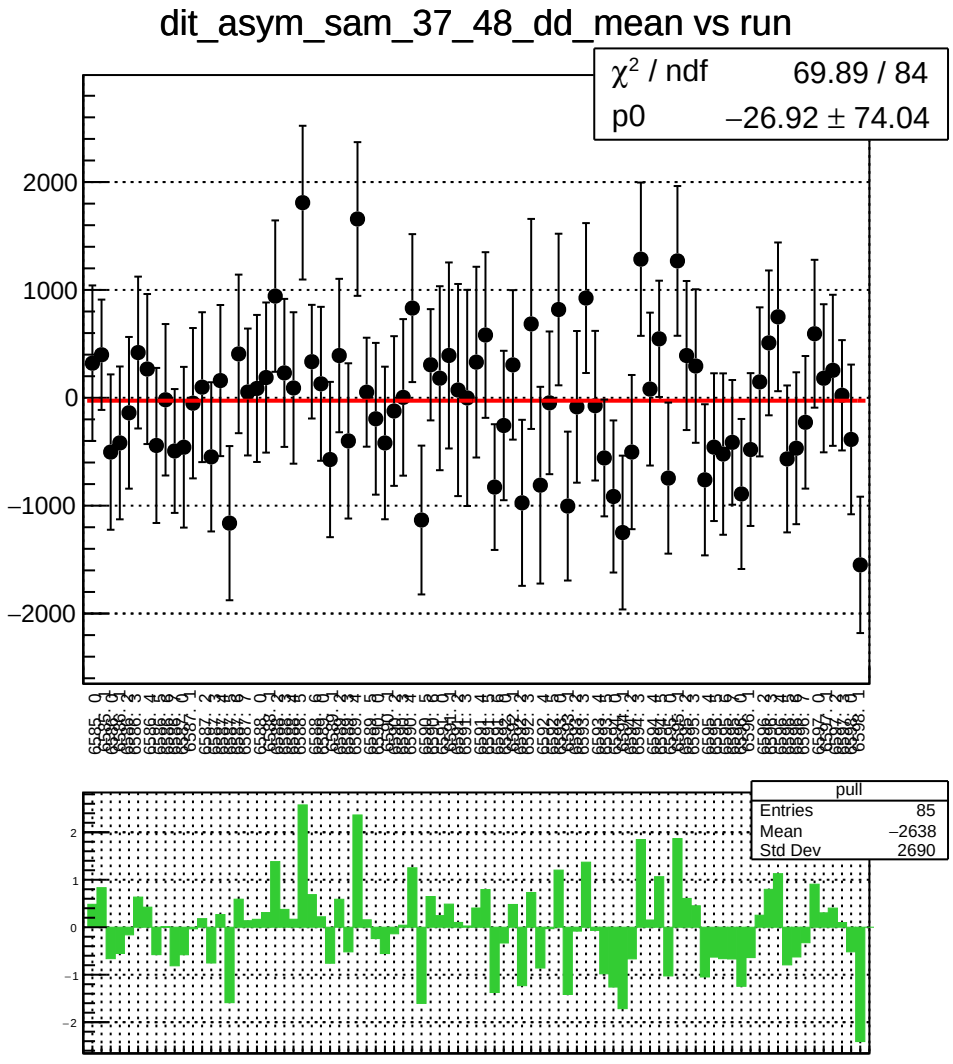

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 101.9 / 84
p0 33.29 ± 465.7
pull
Entries 85
Mean 439.6
Std Dev 355.2
pull1D
Entries 85
Mean −0.002963
Std Dev 1.095

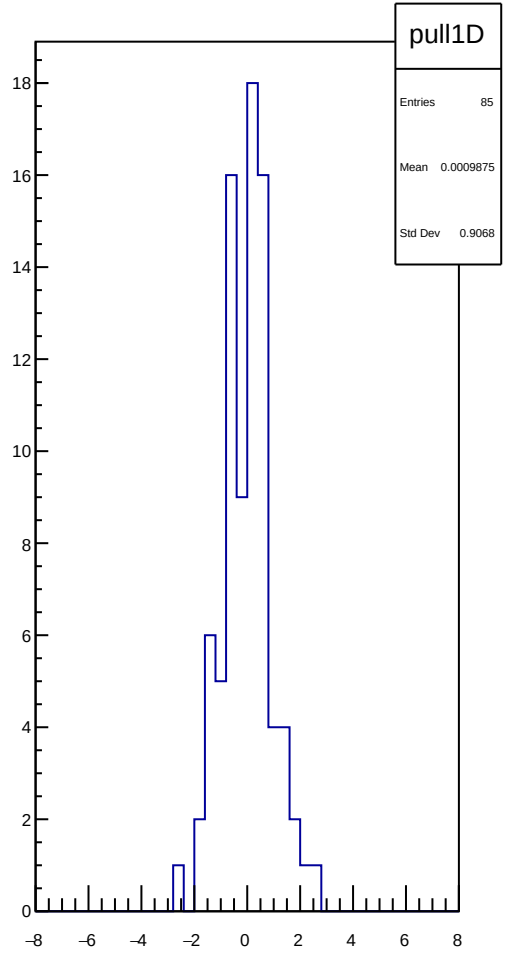

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 1.117e+04 / 84
p0 426.6 ± 0.3293
560
540
520
500
480
460
440
420
400
380
360

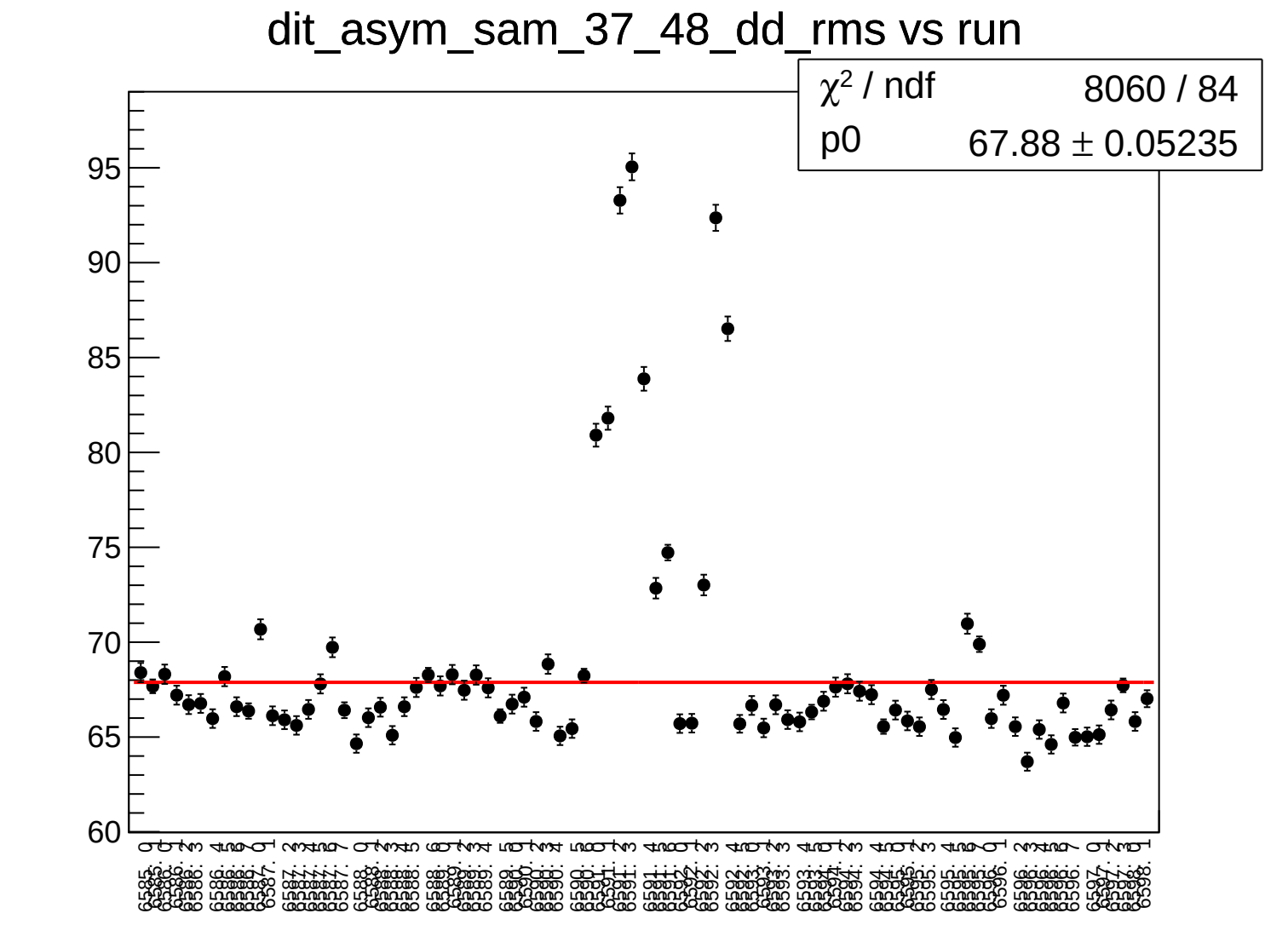

asym_sam_15_48_dd_mean vs run
χ² / ndf 104.4 / 84
p0 −106.6 ± 469.5
pull
Entries 85
Mean 437.8
Std Dev 343.3

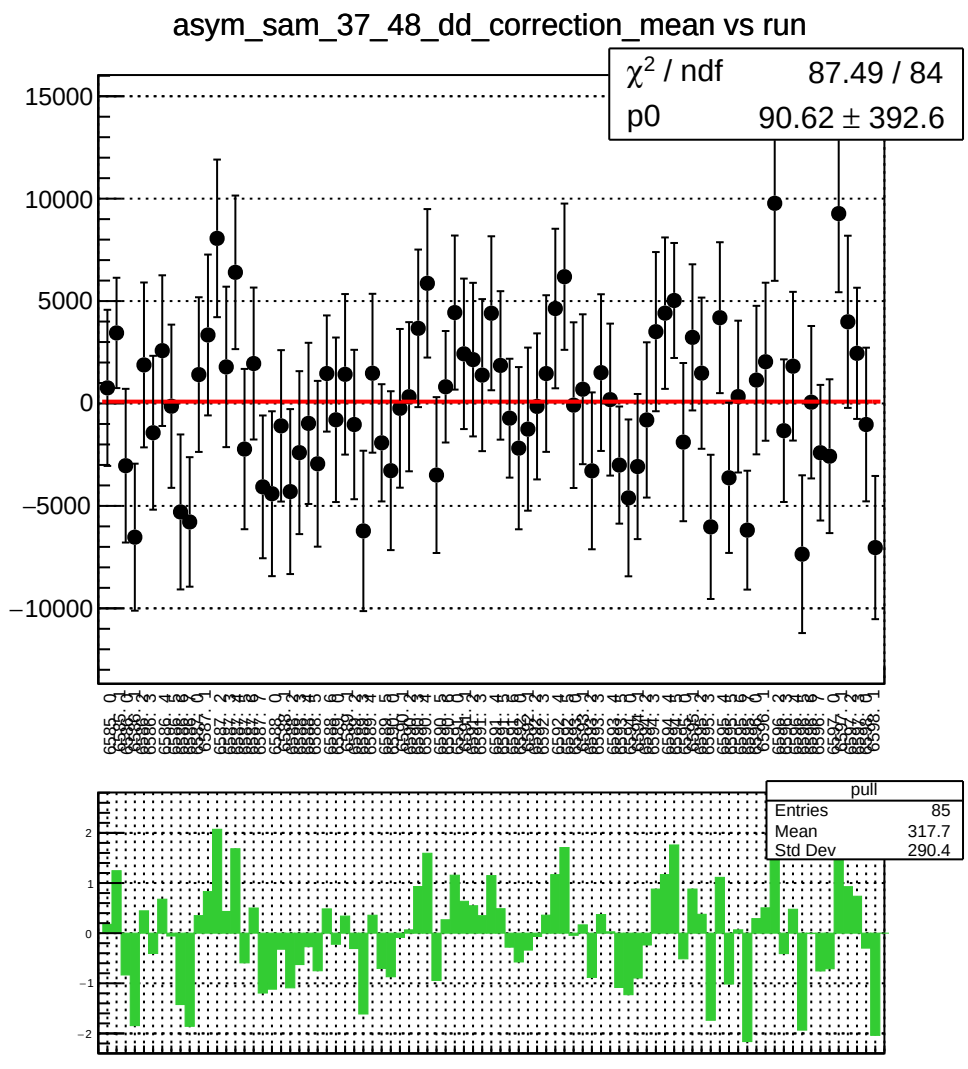

pull1D
Entries 85
Mean 0.002673
Std Dev 1.108

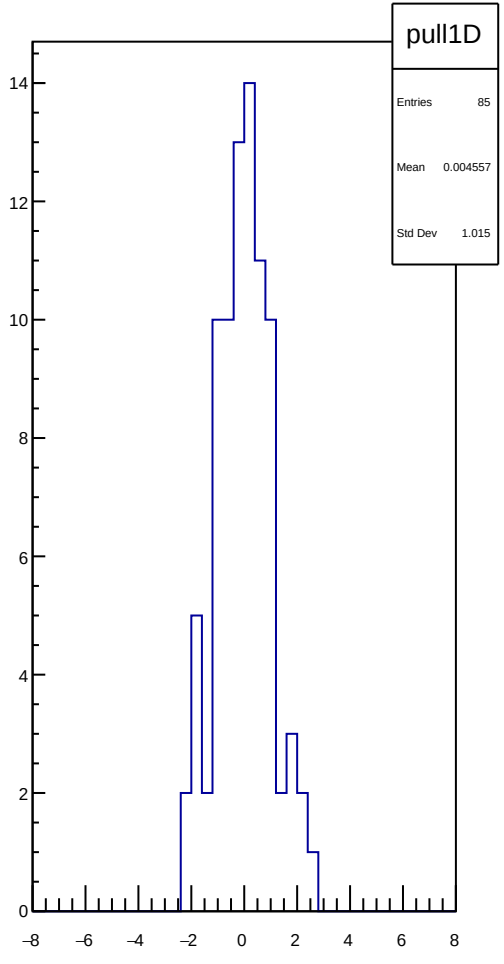

asym_sam_15_48_dd_rms vs run
χ² / ndf 1.511e+04 / 84
p0 429.6 ± 0.332
550
500
450
400
350

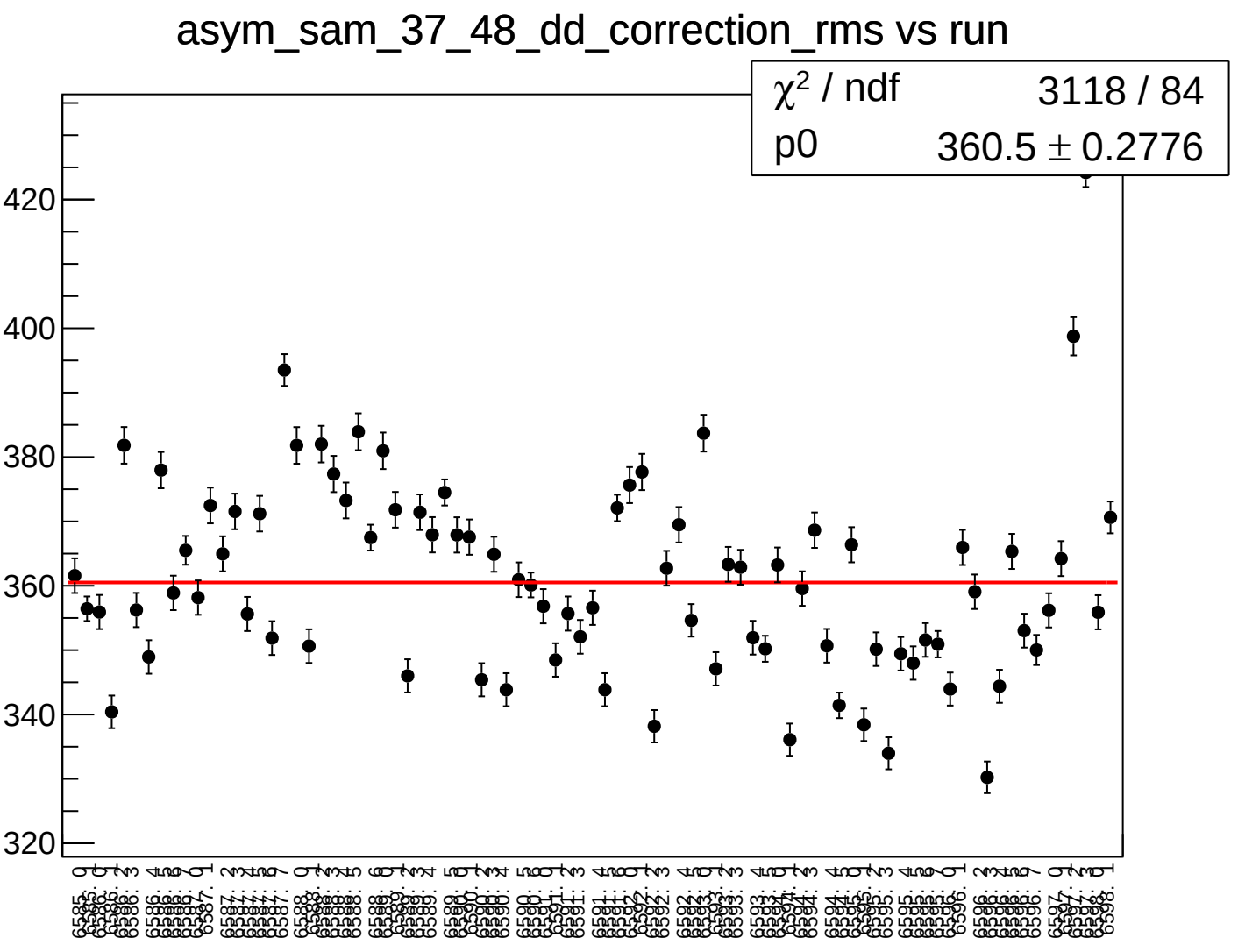

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 69.89 / 84
p0 −26.92 ± 74.04
2000
1000
0
−1000
−2000
pull
Entries 85
Mean −2638
Std Dev 2690
2
1
0
−1
−2

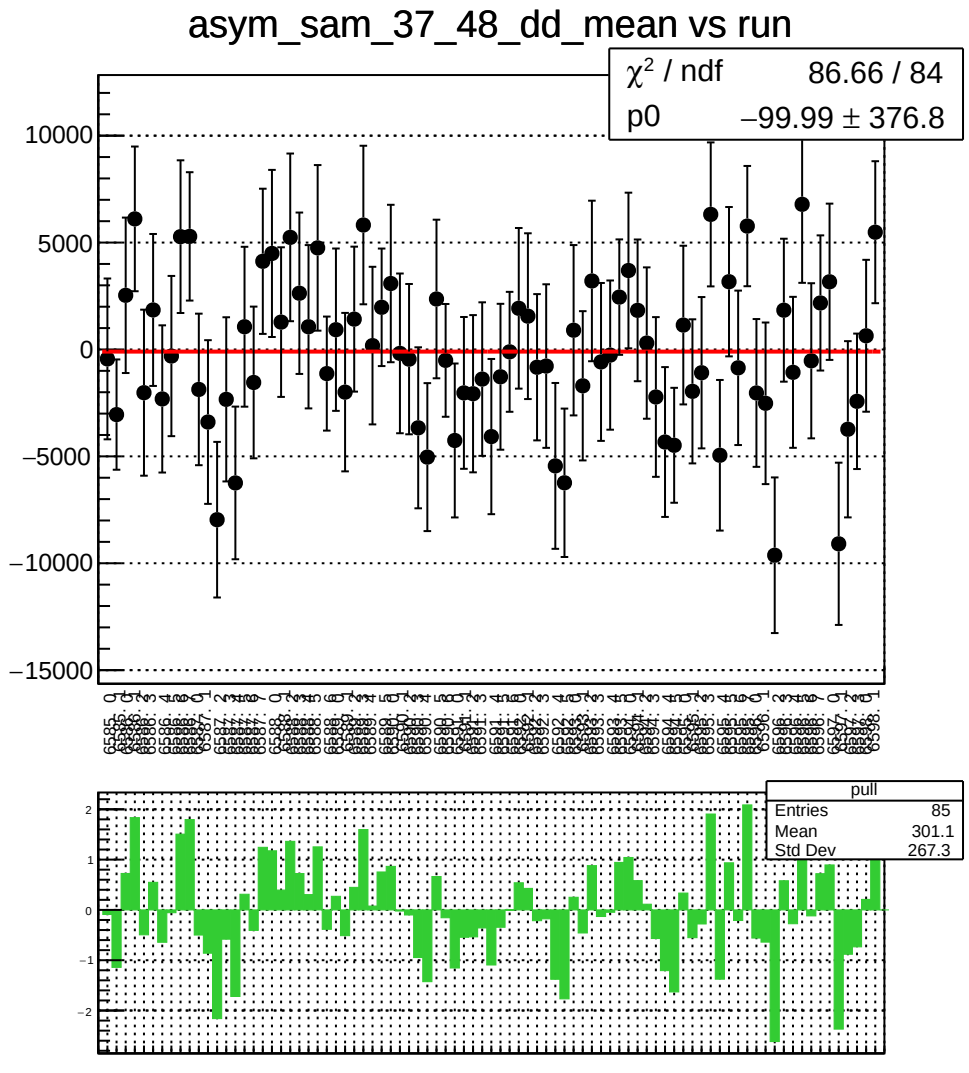

pull1D
Entries 85
Mean 0.0009875
Std Dev 0.9068
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

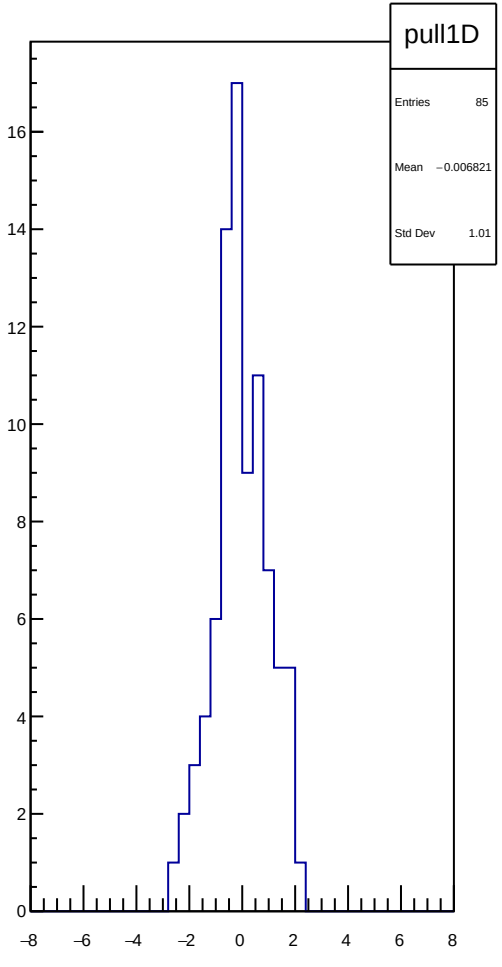

dit_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 8060 / 84
p0 67.88 ± 0.05235
95
90
85
80
75
70
65
60

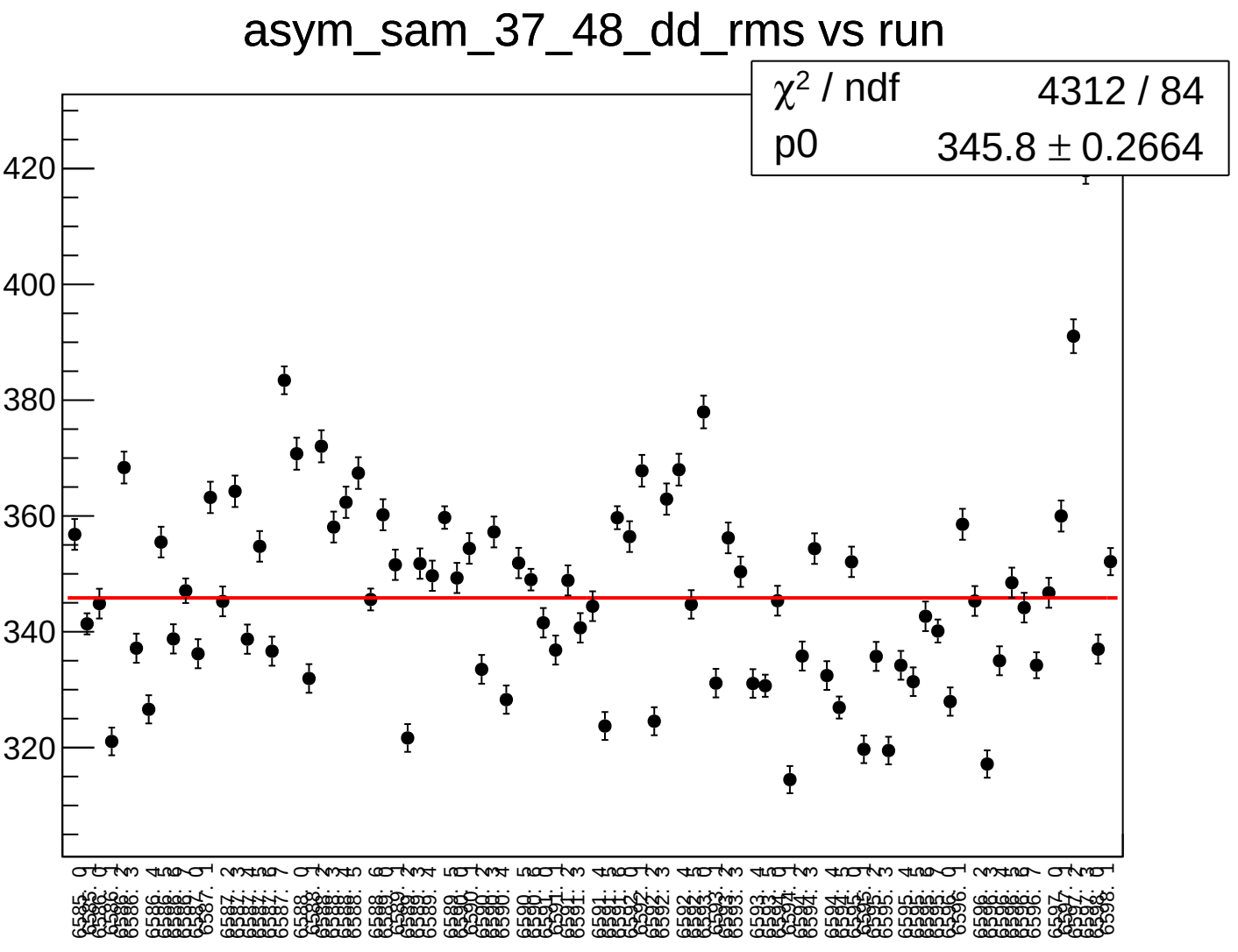

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 87.49 / 84
p0 90.62 ± 392.6
15000
10000
5000
0
−5000
−10000
pull
Entries 85
Mean 317.7
Std Dev 290.4
2
1
0
−1
−2

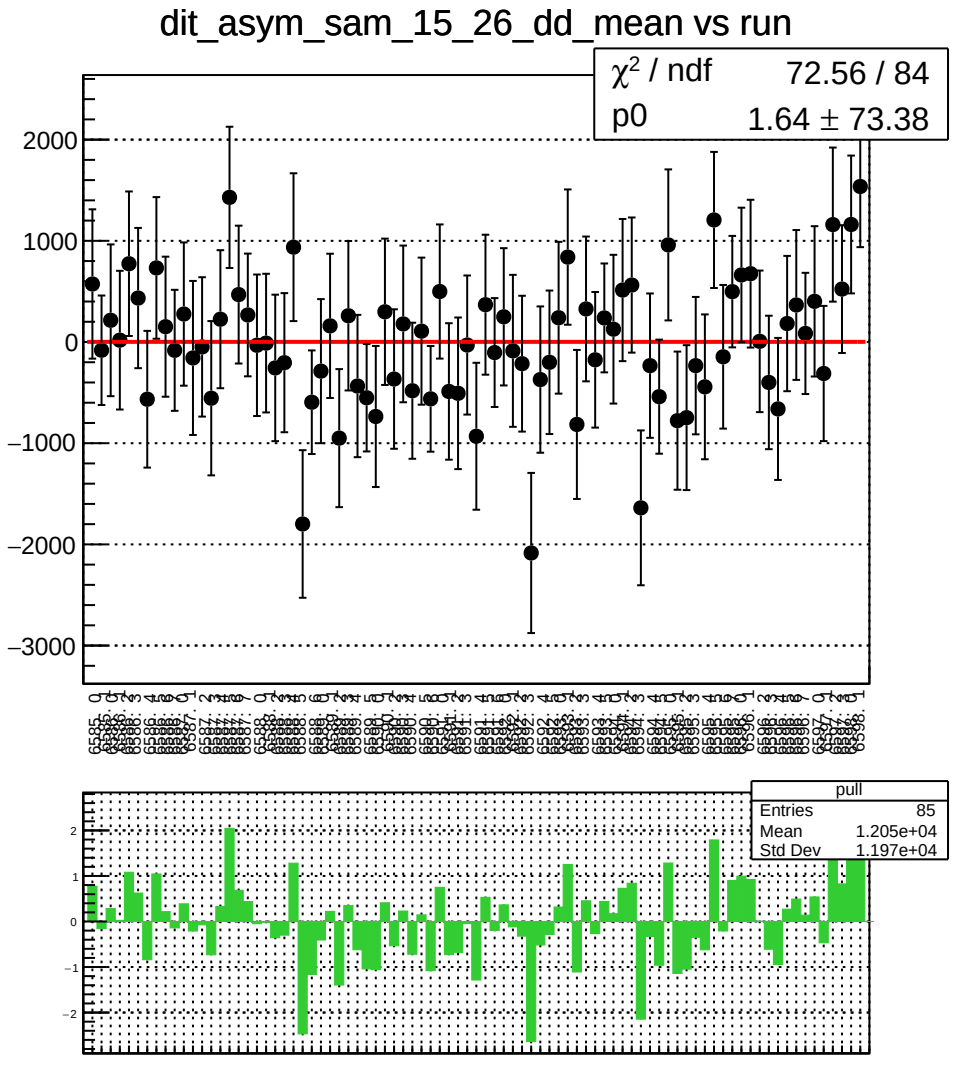

pull1D
Entries 85
Mean 0.004557
Std Dev 1.015
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

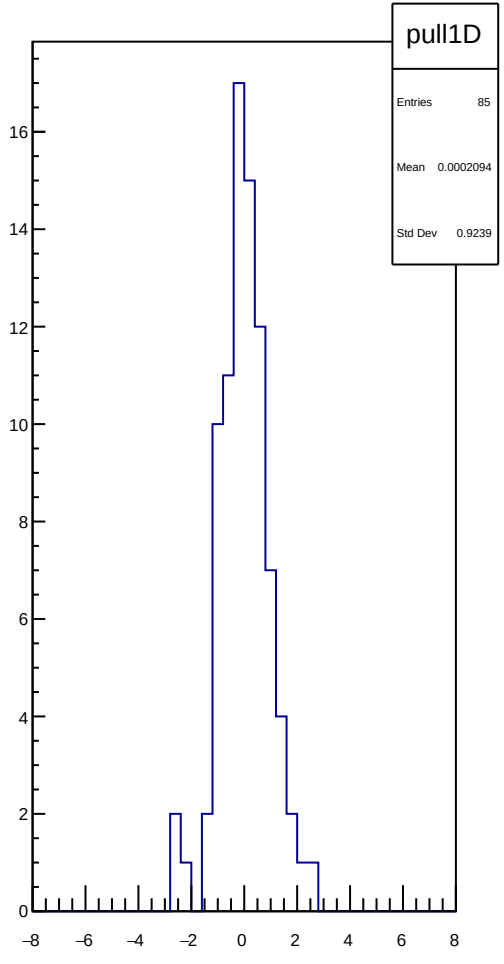

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3118 / 84
p0 360.5 ± 0.2776
420
400
380
360
340
320

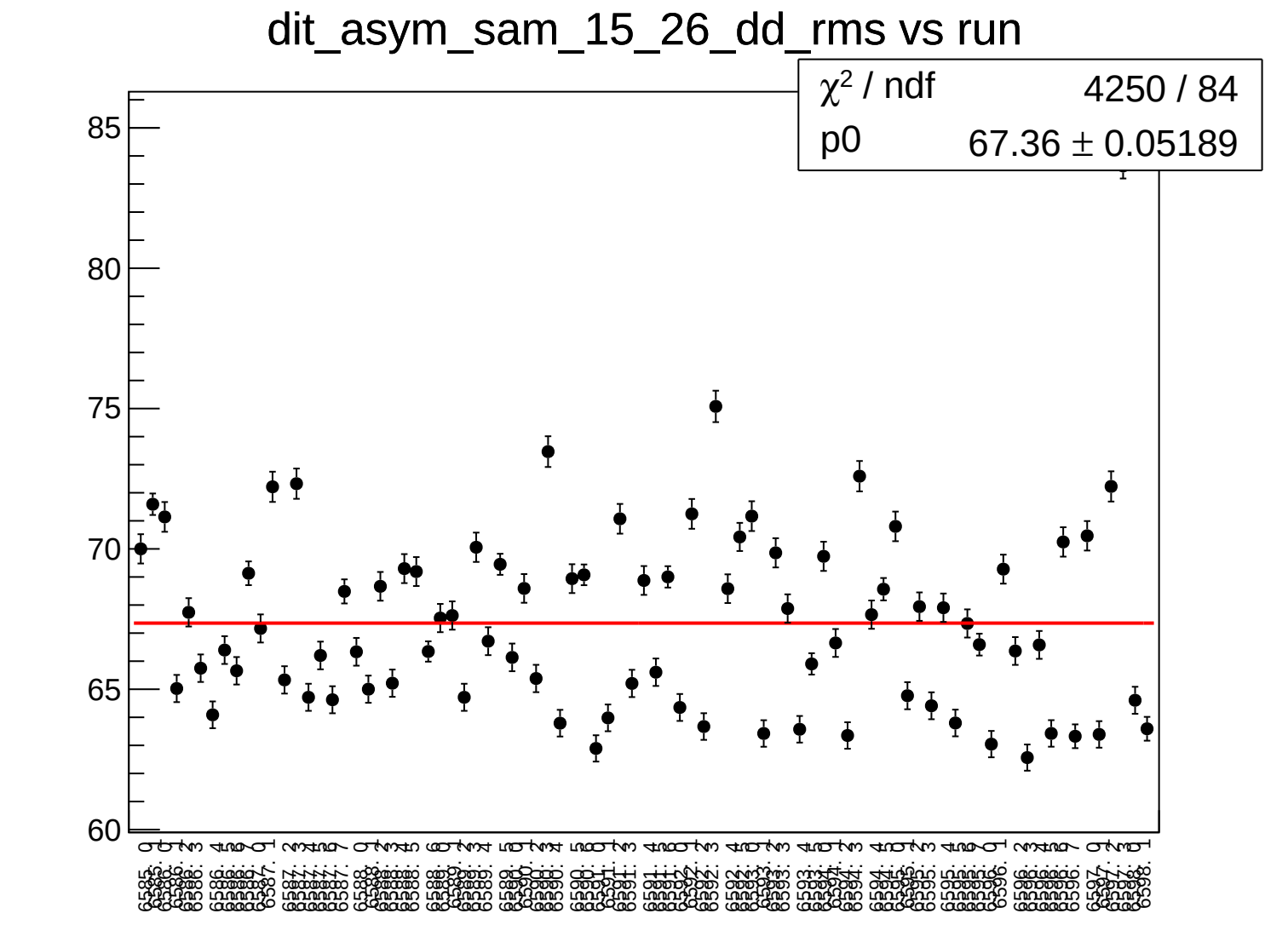

asym_sam_37_48_dd_mean vs run
χ² / ndf 86.66 / 84
p0 −99.99 ± 376.8
pull
Entries 85
Mean 301.1
Std Dev 267.3

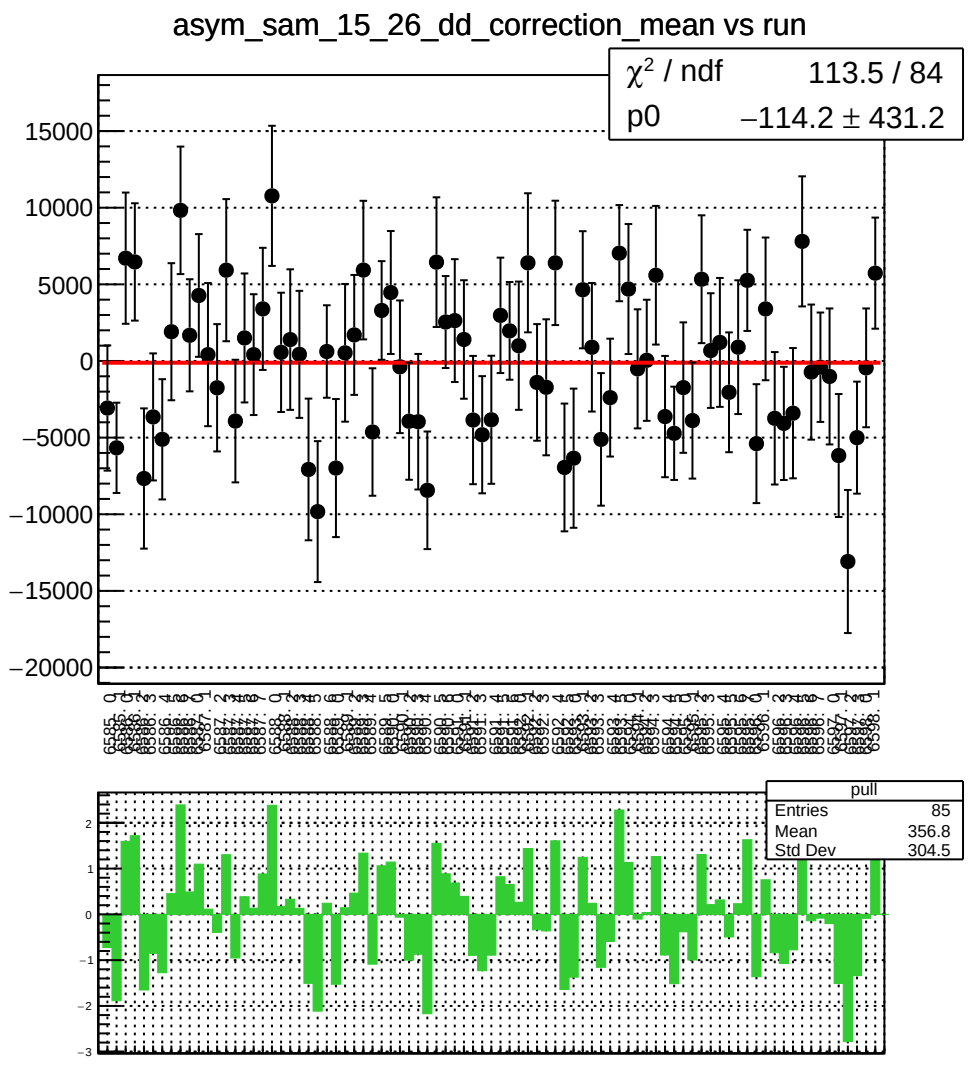

pull1D
Entries 85
Mean −0.006821
Std Dev 1.01

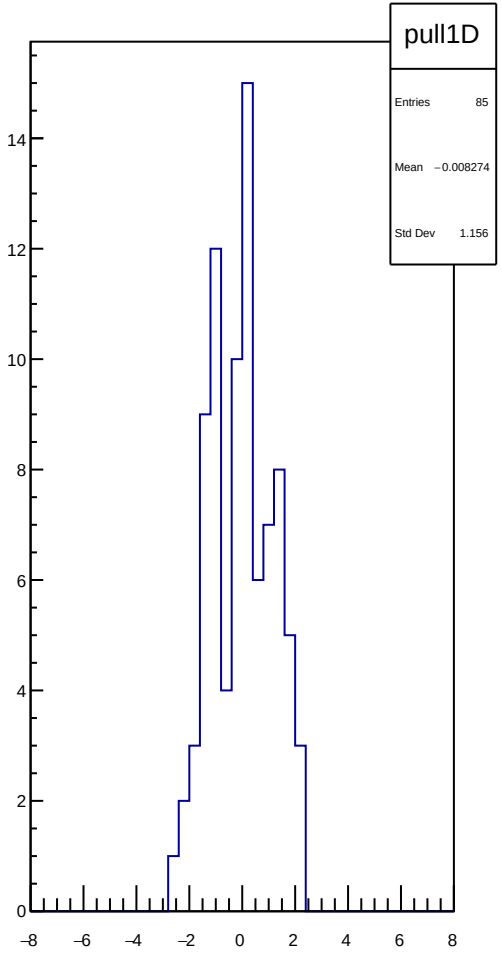

asym_sam_37_48_dd_rms vs run
χ² / ndf 4312 / 84
p0 345.8 ± 0.2664
420
400
380
360
340
320

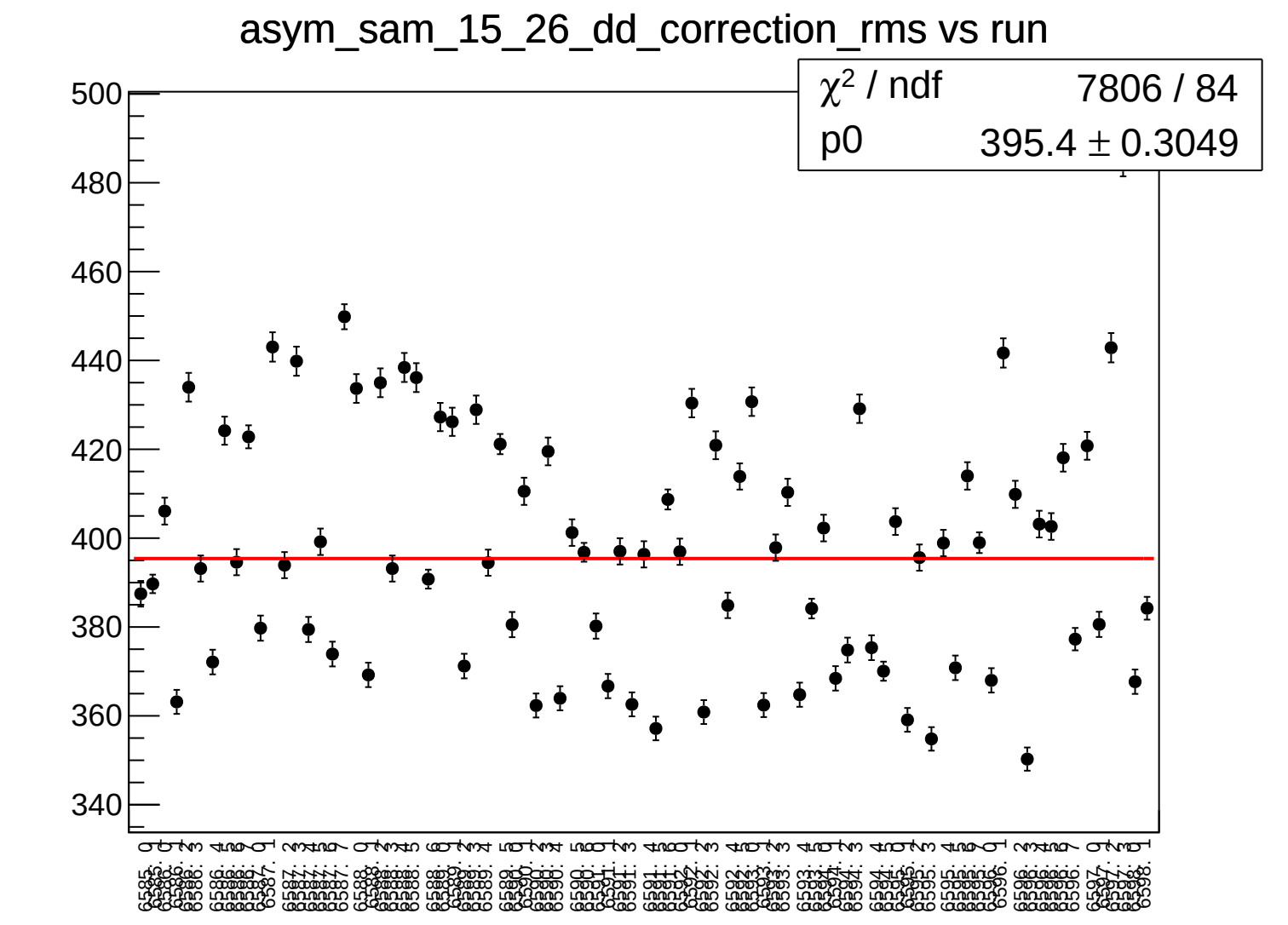

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 72.56 / 84
p0 1.64 ± 73.38
2000
1000
0
−1000
−2000
−3000
pull
Entries 85
Mean 1.205e+04
Std Dev 1.197e+04
2
1
0
−1
−2

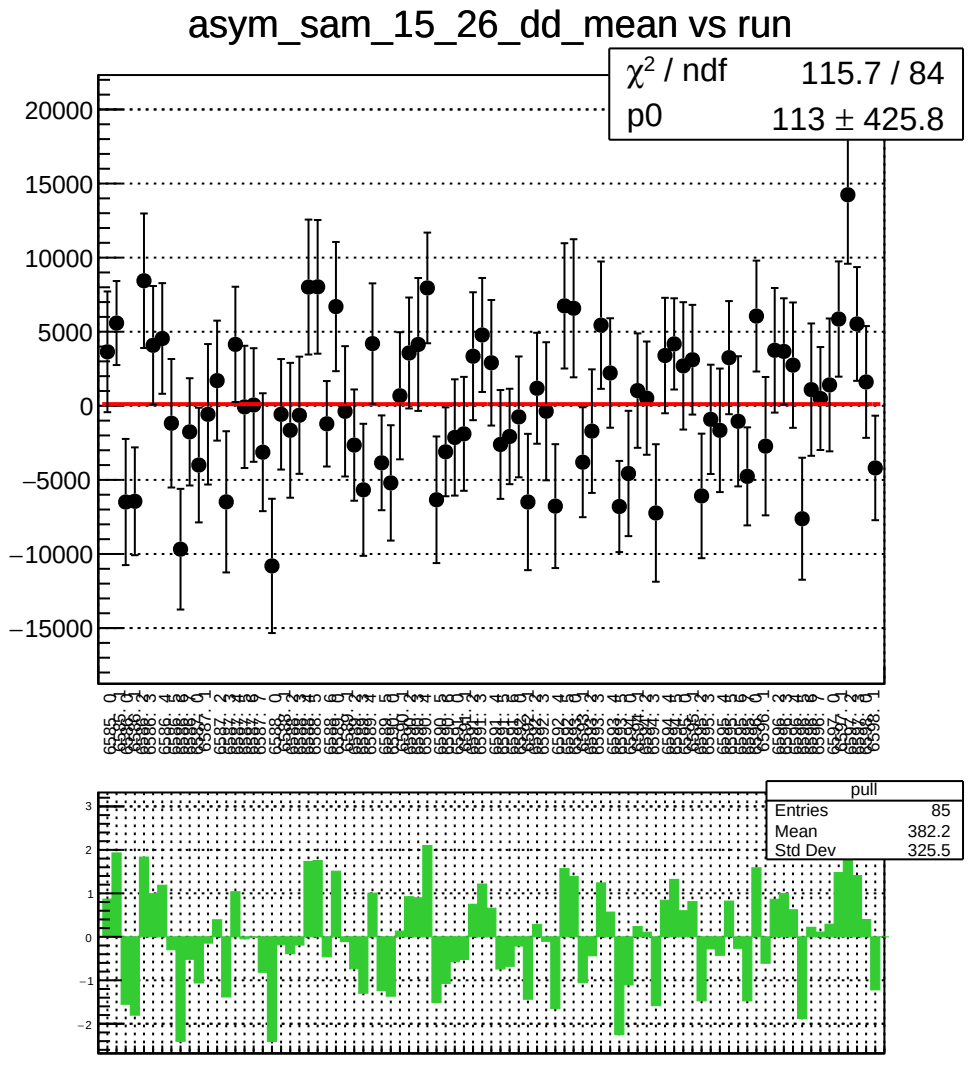

pull1D
Entries 85
Mean 0.0002094
Std Dev 0.9239
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

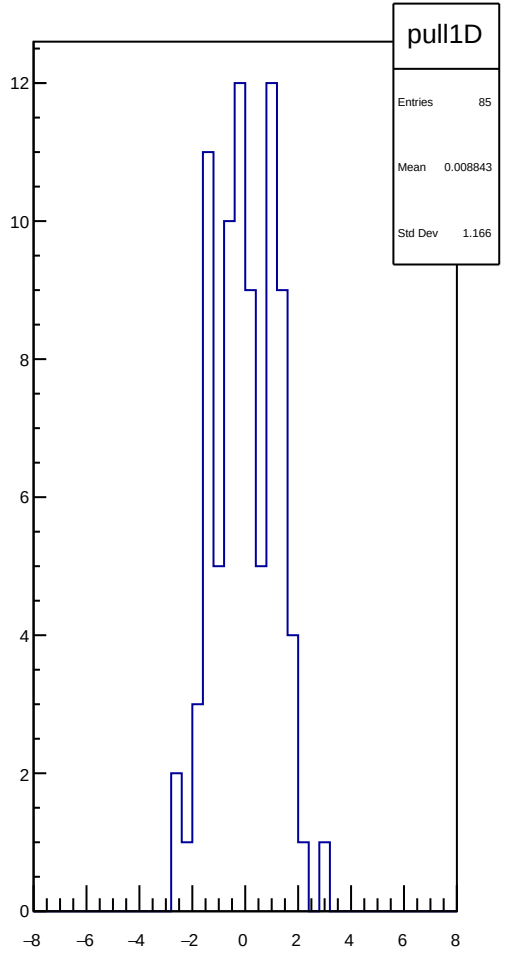

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 4250 / 84
p0 67.36 ± 0.05189
85
80
75
70
65
60

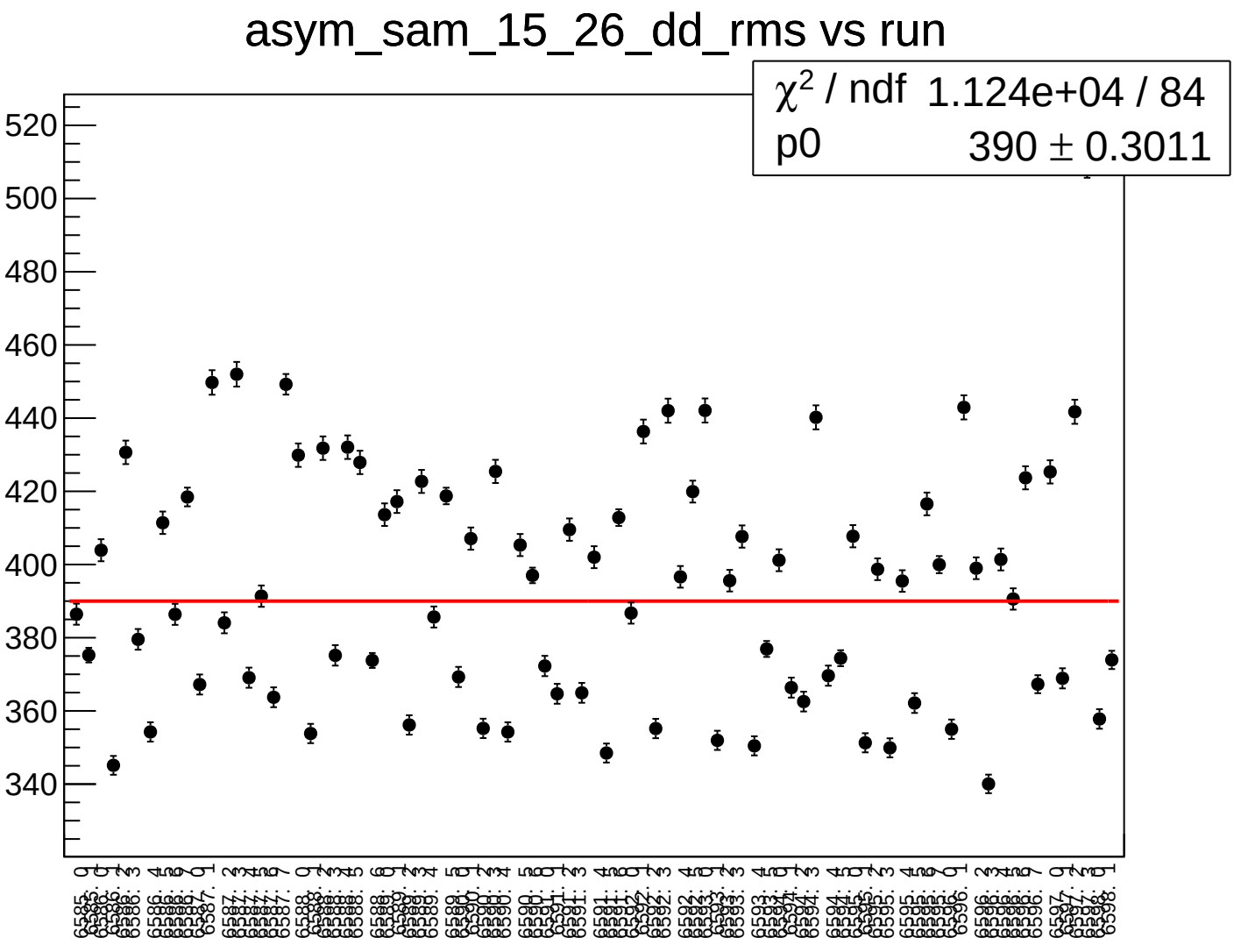

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 113.5 / 84
p0 −114.2 ± 431.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 85
Mean 356.8
Std Dev 304.5
2
1
0
−1
−2
−3

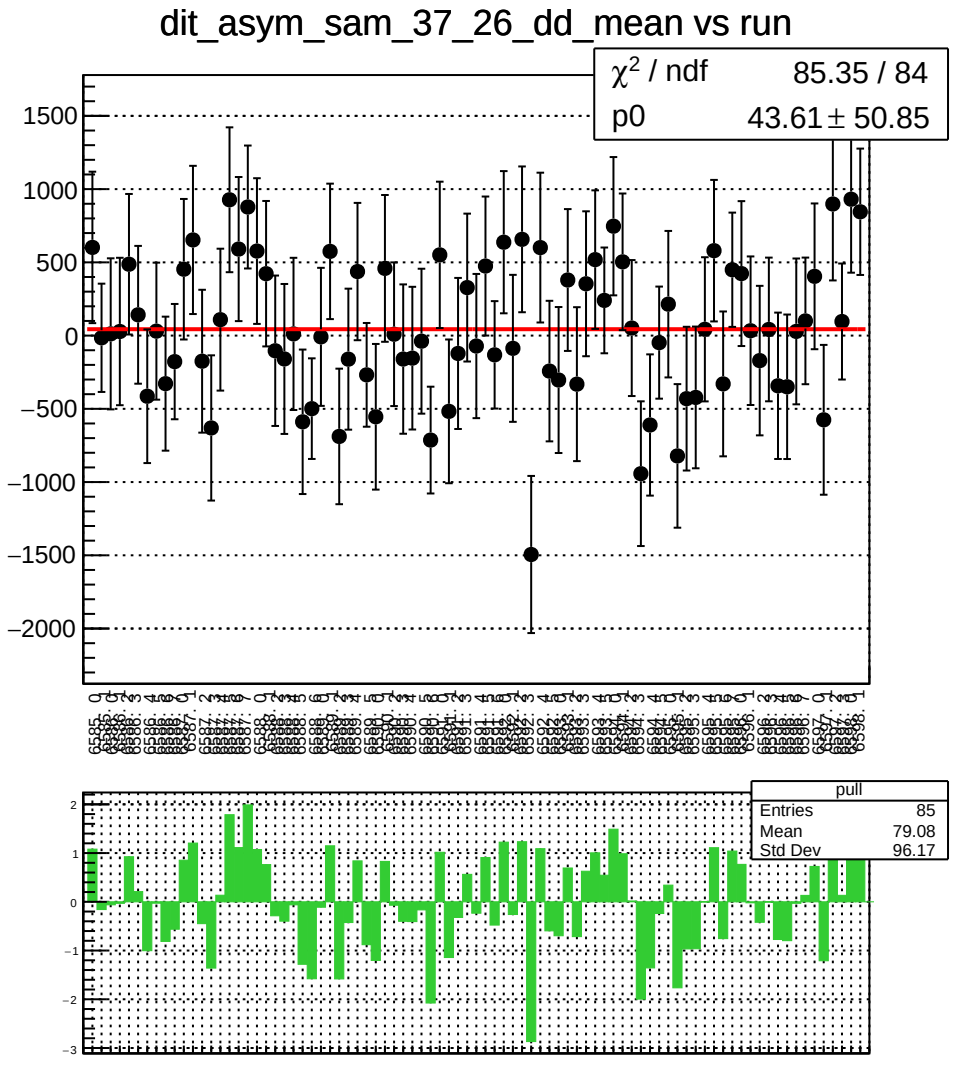

pull1D
Entries 85
Mean −0.008274
Std Dev 1.156
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

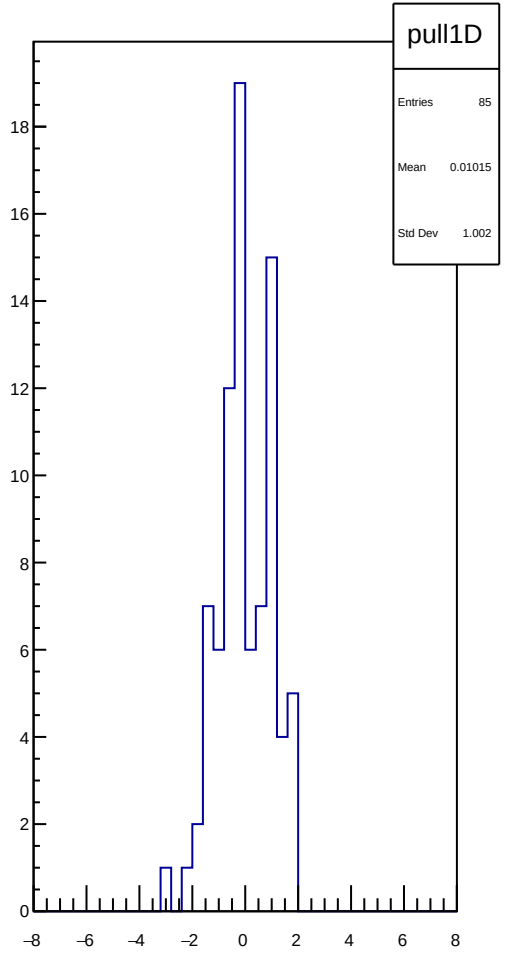

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 7806 / 84
p0 395.4 ± 0.3049
500
480
460
440
420
400
380
360
340

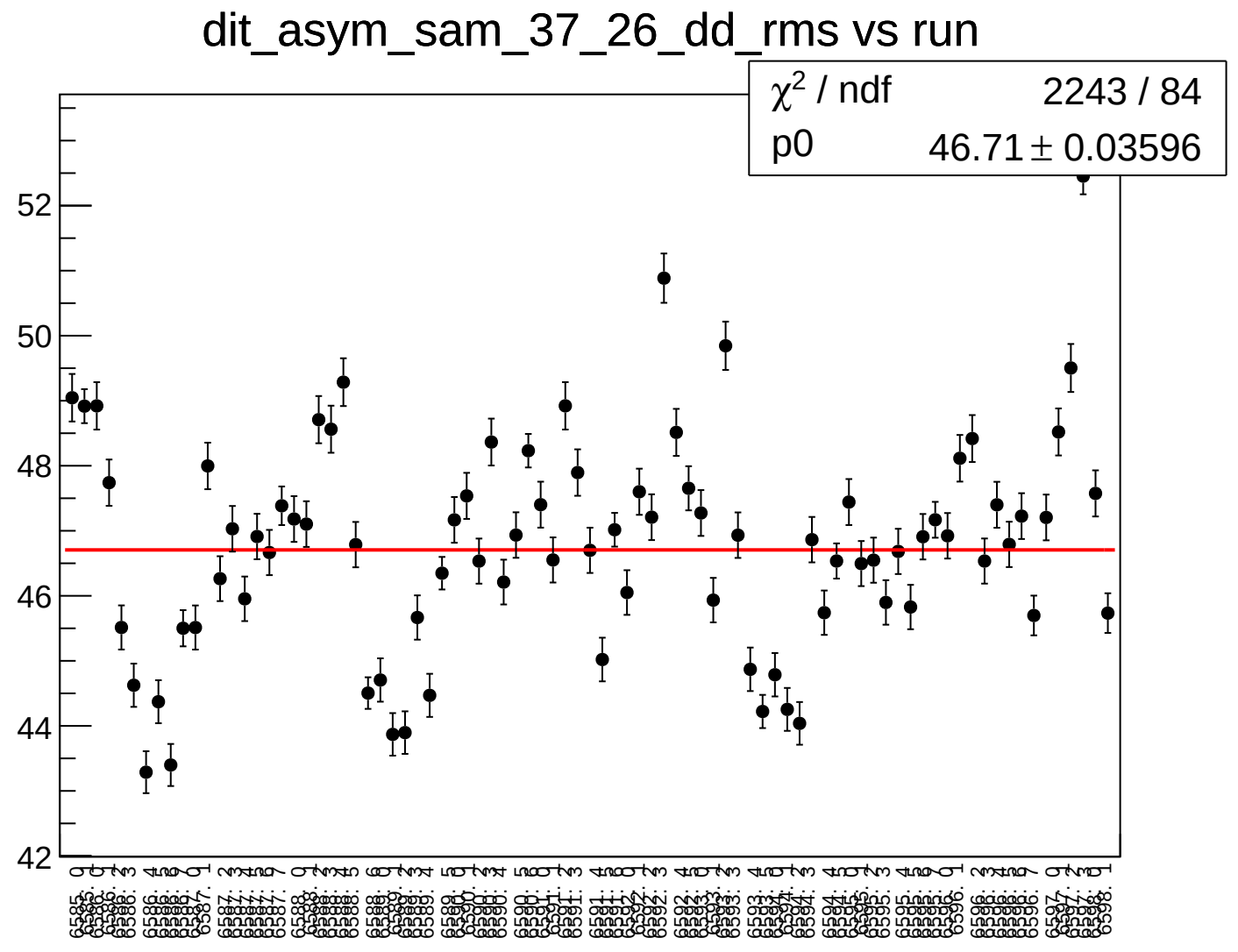

asym_sam_15_26_dd_mean vs run
χ² / ndf 115.7 / 84
p0 113 ± 425.8
20000
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 382.2
Std Dev 325.5
3
2
1
0
−1
−2

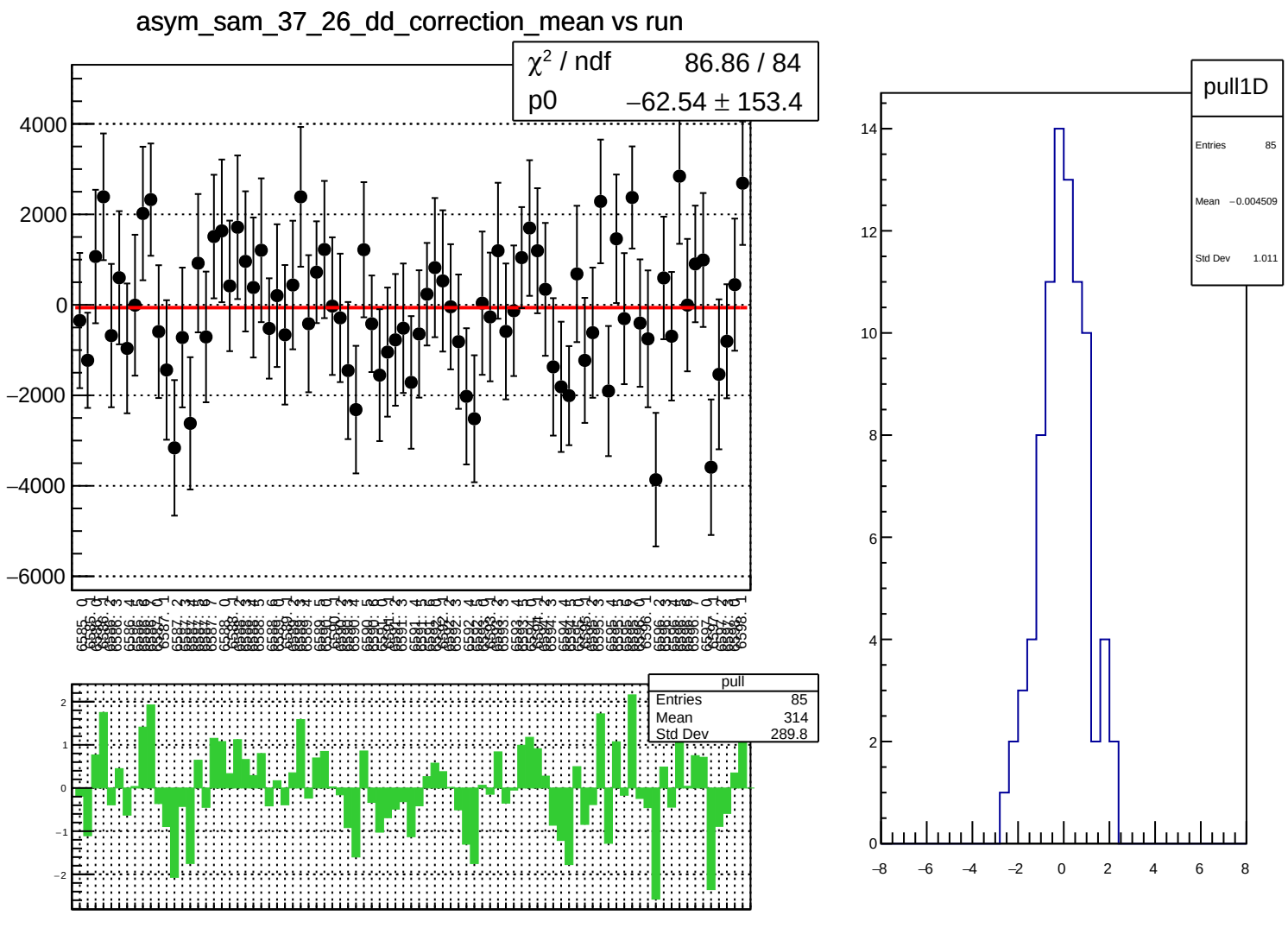

pull1D
Entries 85
Mean 0.008843
Std Dev 1.166
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

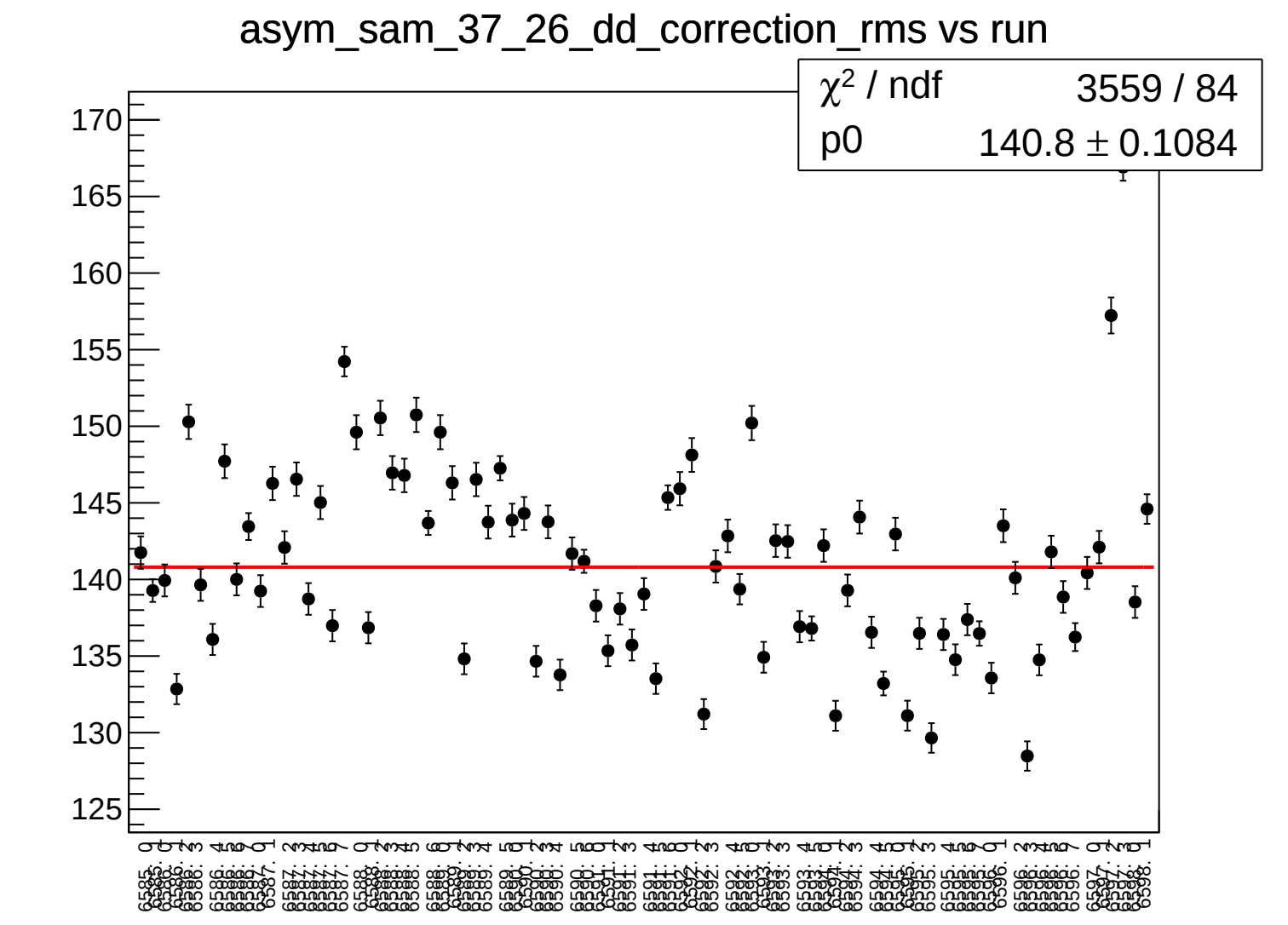

asym_sam_15_26_dd_rms vs run
χ^2 / ndf 1.124e+04 / 84
p0 390 ± 0.3011
520
500
480
460
440
420
400
380
360
340

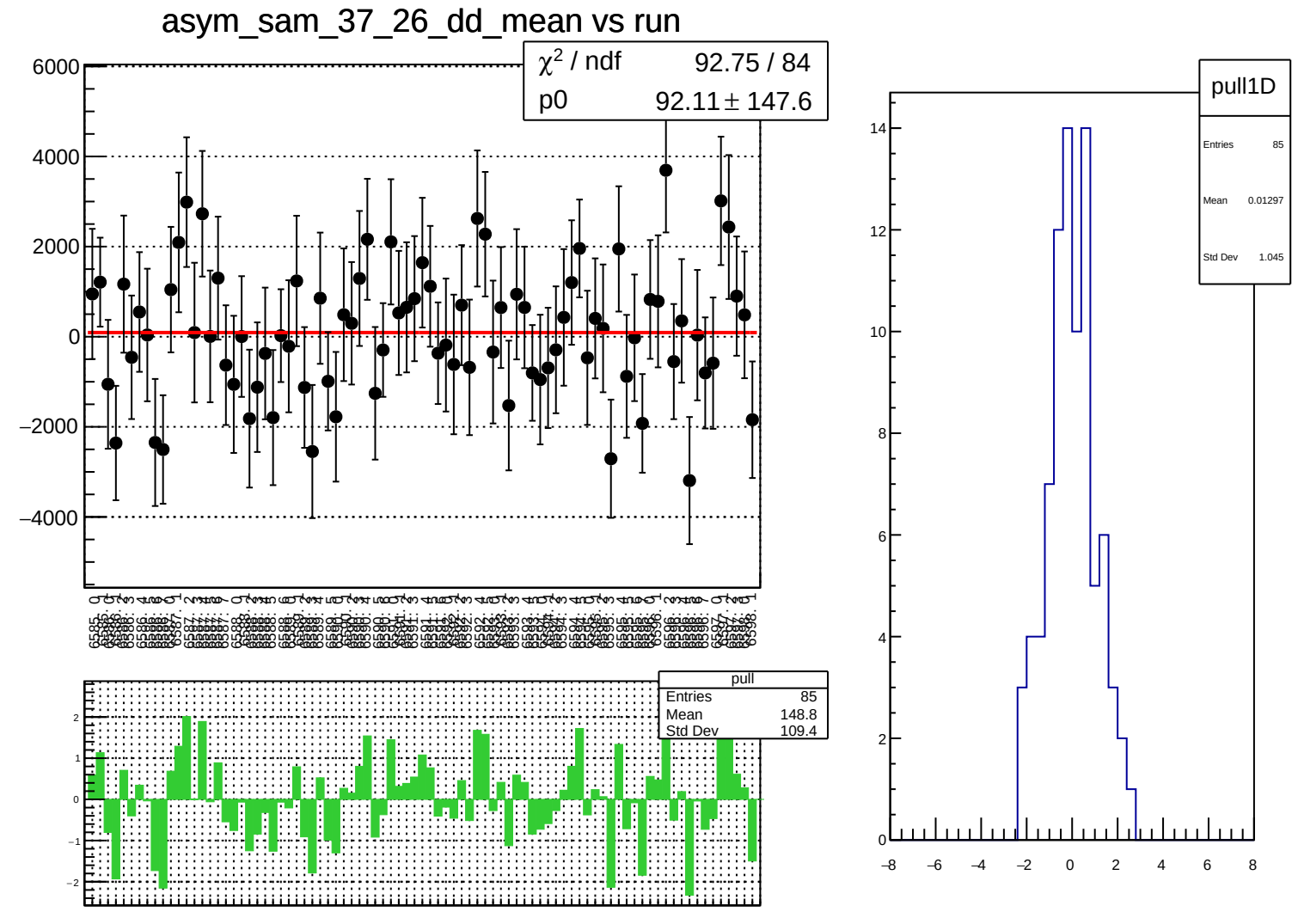

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 85.35 / 84
p0 43.61 ± 50.85
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 85
Mean 79.08
Std Dev 96.17
2
1
0
−1
−2
−3

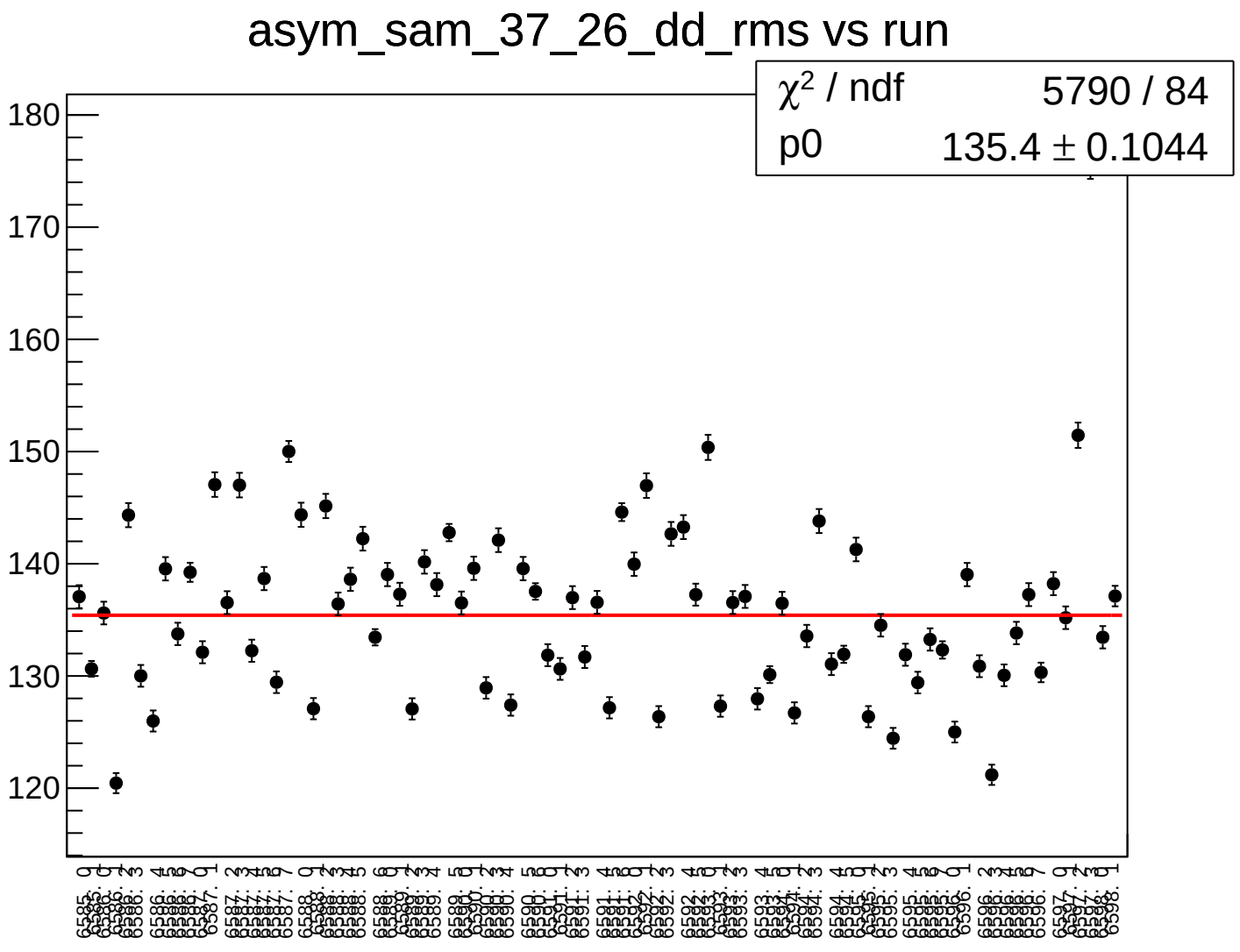

pull1D
Entries 85
Mean 0.01015
Std Dev 1.002
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

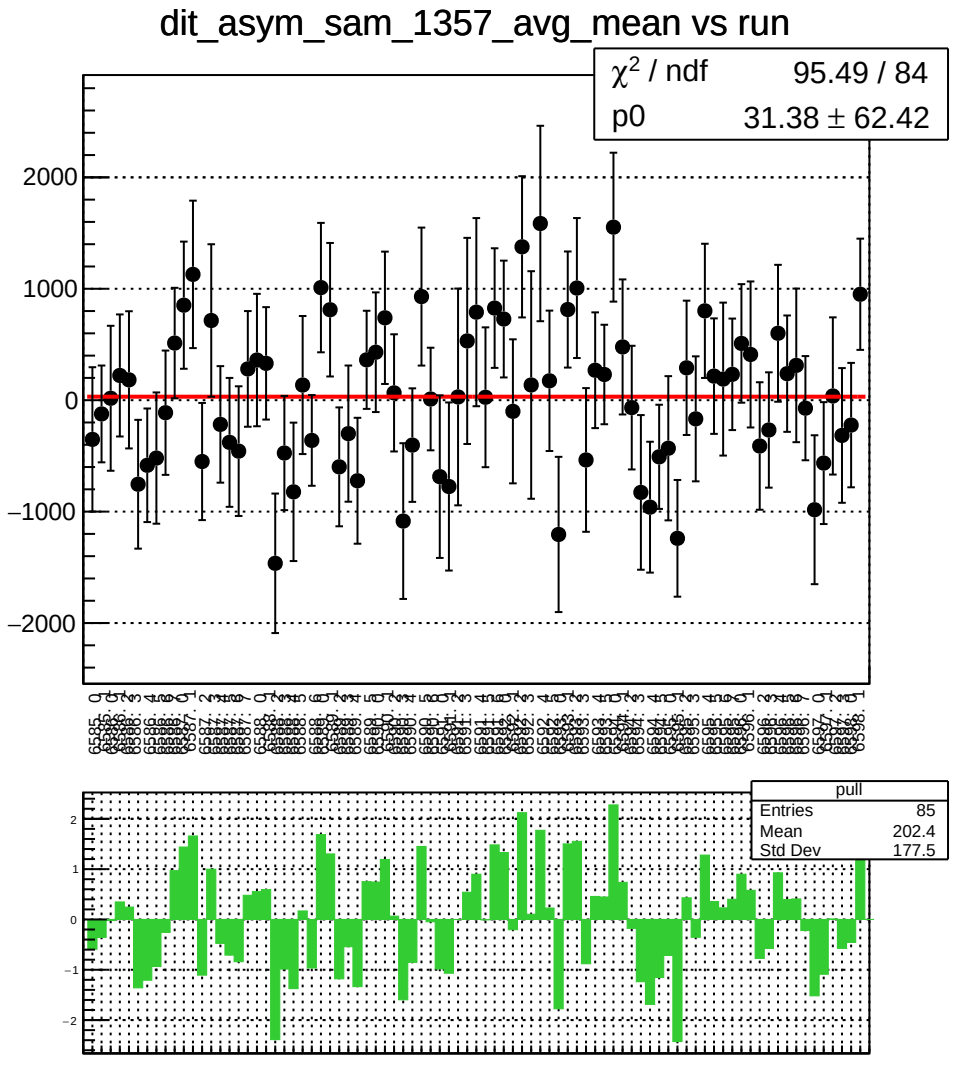

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 2243 / 84
p0 46.71 ± 0.03596
52
50
48
46
44
42

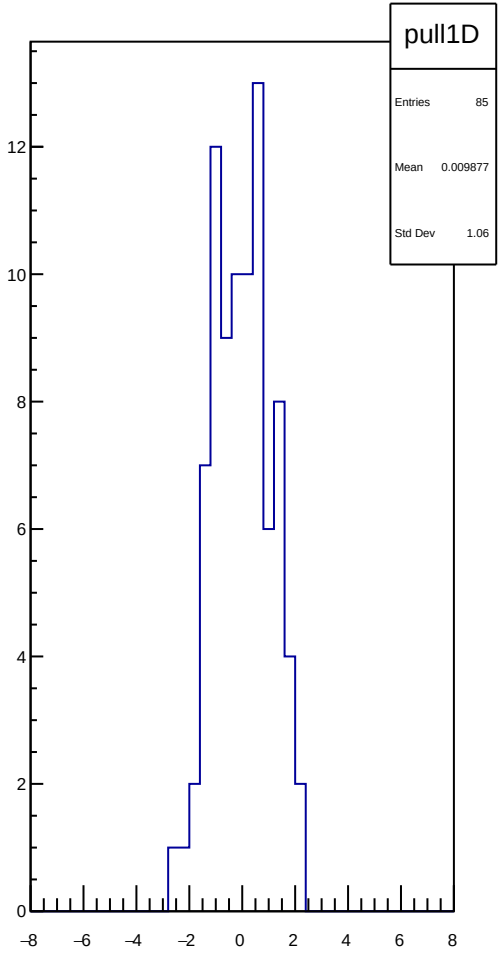

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 86.86 / 84
p0 −62.54 ± 153.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 85
Mean 314
Std Dev 289.8
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.004509
Std Dev 1.011
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

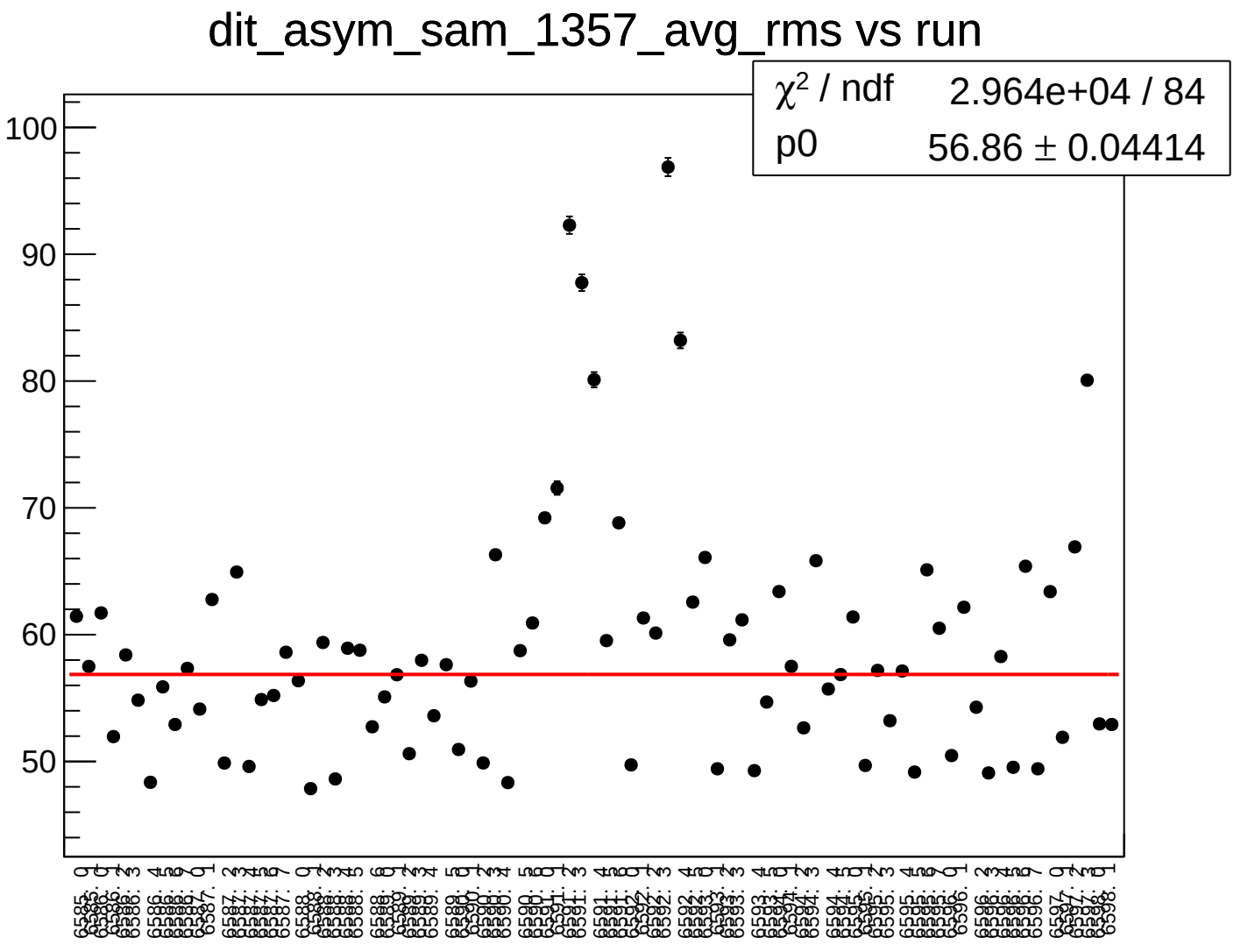

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 3559 / 84
p0 140.8 ± 0.1084
170
165
160
155
150
145
140
135
130
125

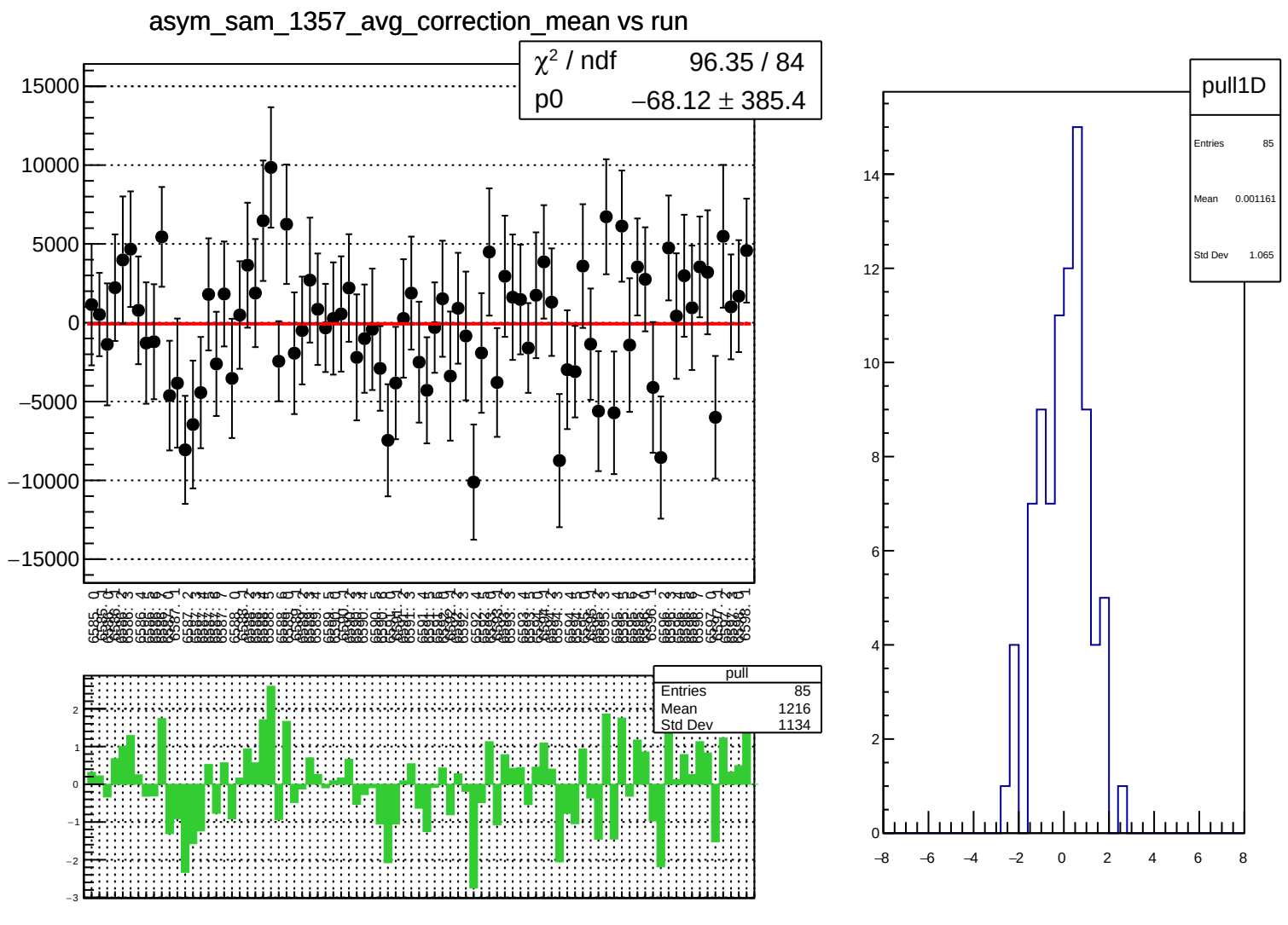

asym_sam_37_26_dd_mean vs run
χ² / ndf 92.75 / 84
p0 92.11 ± 147.6
pull
Entries 85
Mean 148.8
Std Dev 109.4
pull1D
Entries 85
Mean 0.01297
Std Dev 1.045

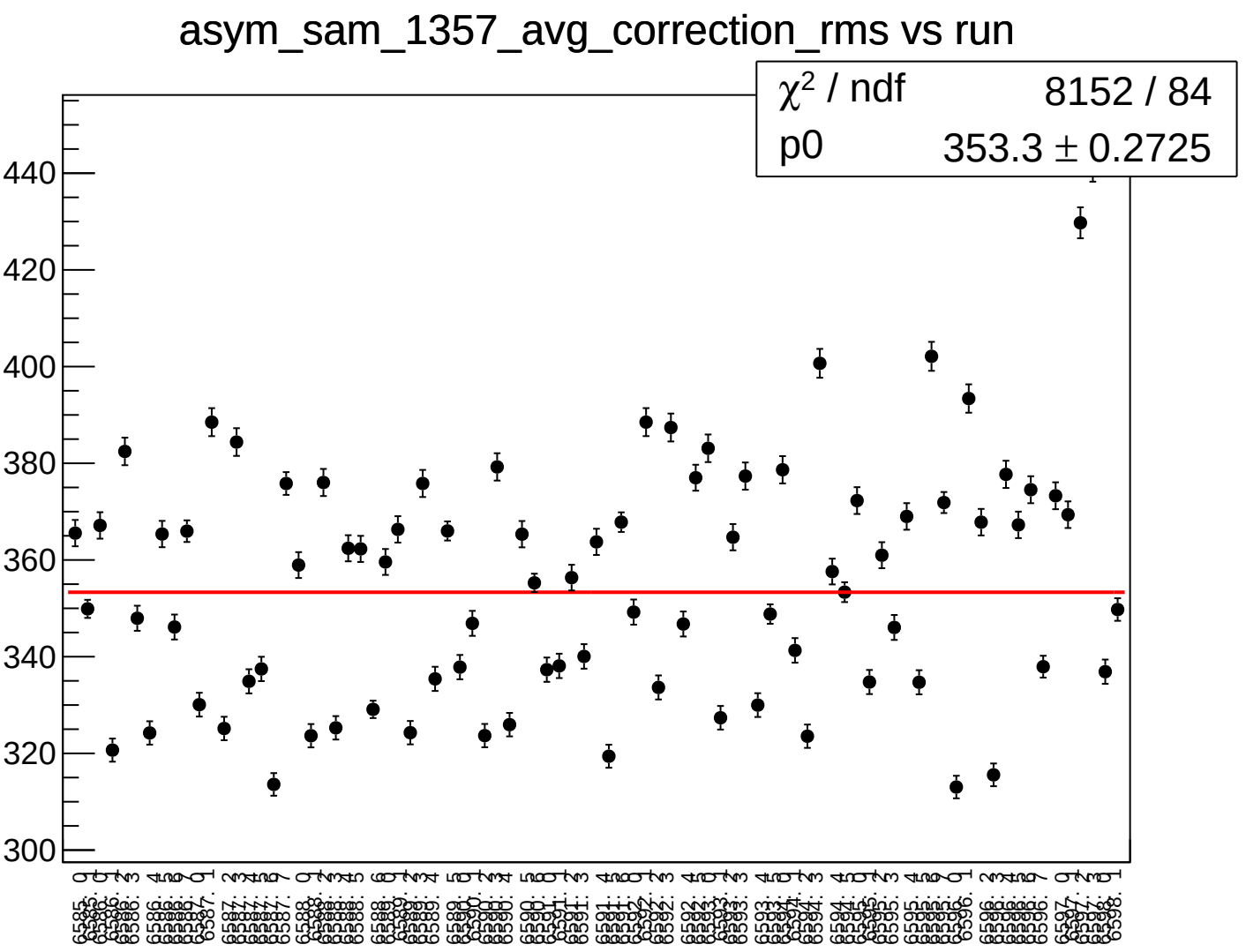

asym_sam_37_26_dd_rms vs run
χ² / ndf 5790 / 84
p0 135.4 ± 0.1044
180
170
160
150
140
130
120

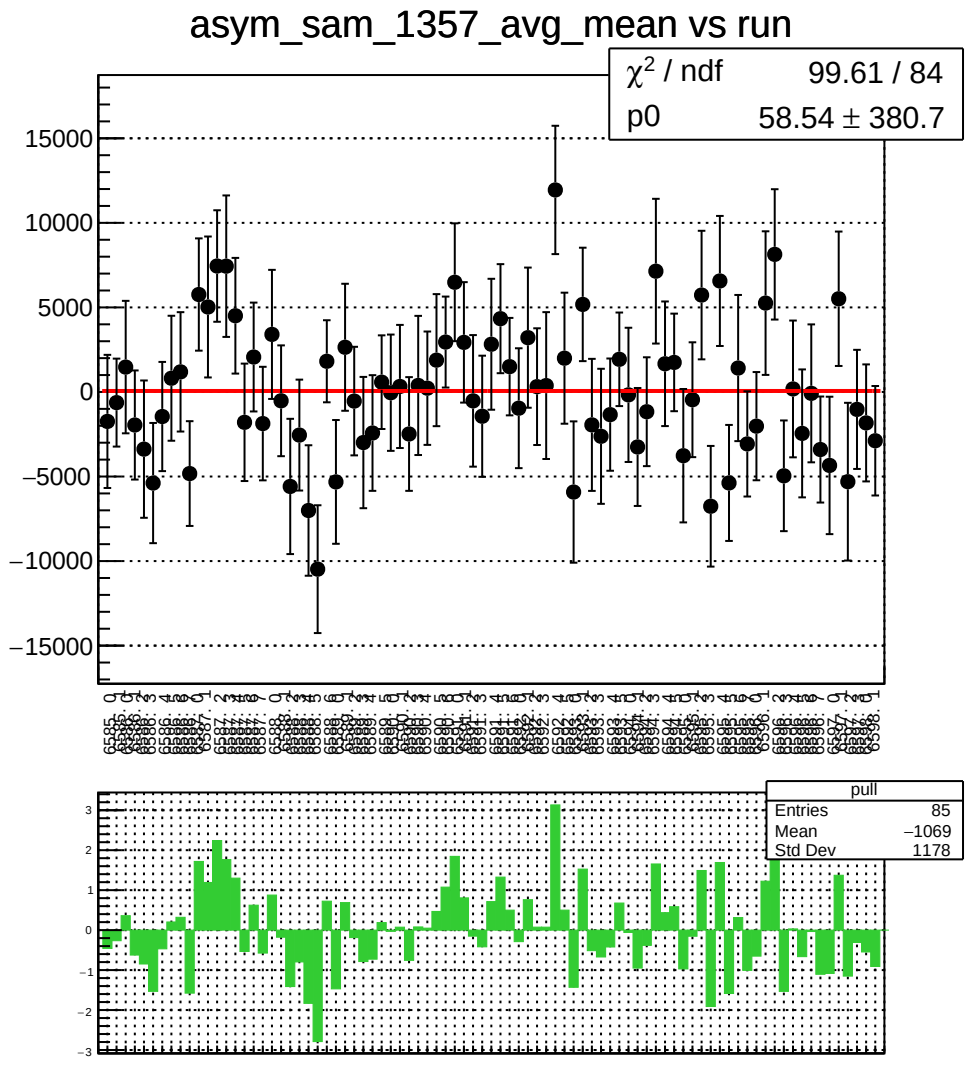

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 95.49 / 84
p0 31.38 ± 62.42
2000
1000
0
−1000
−2000
pull
Entries 85
Mean 202.4
Std Dev 177.5
2
1
0
−1
−2

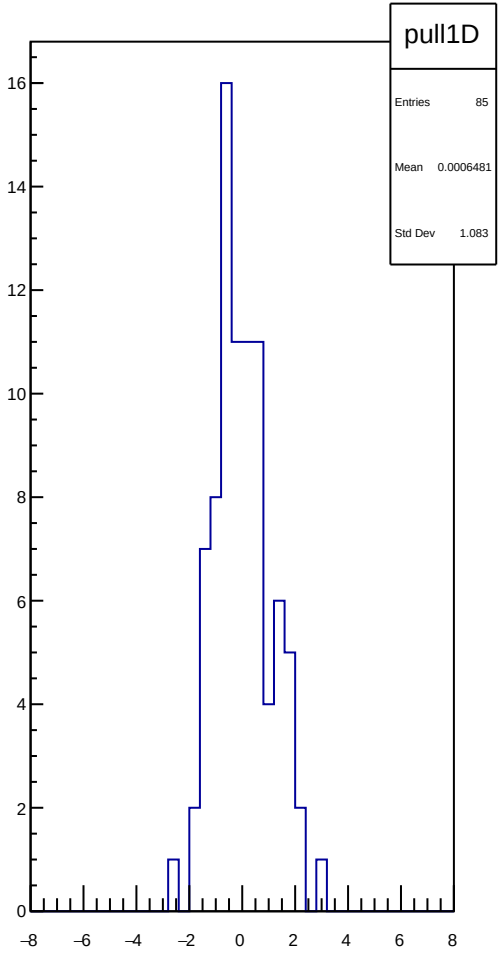

pull1D
Entries 85
Mean 0.009877
Std Dev 1.06
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

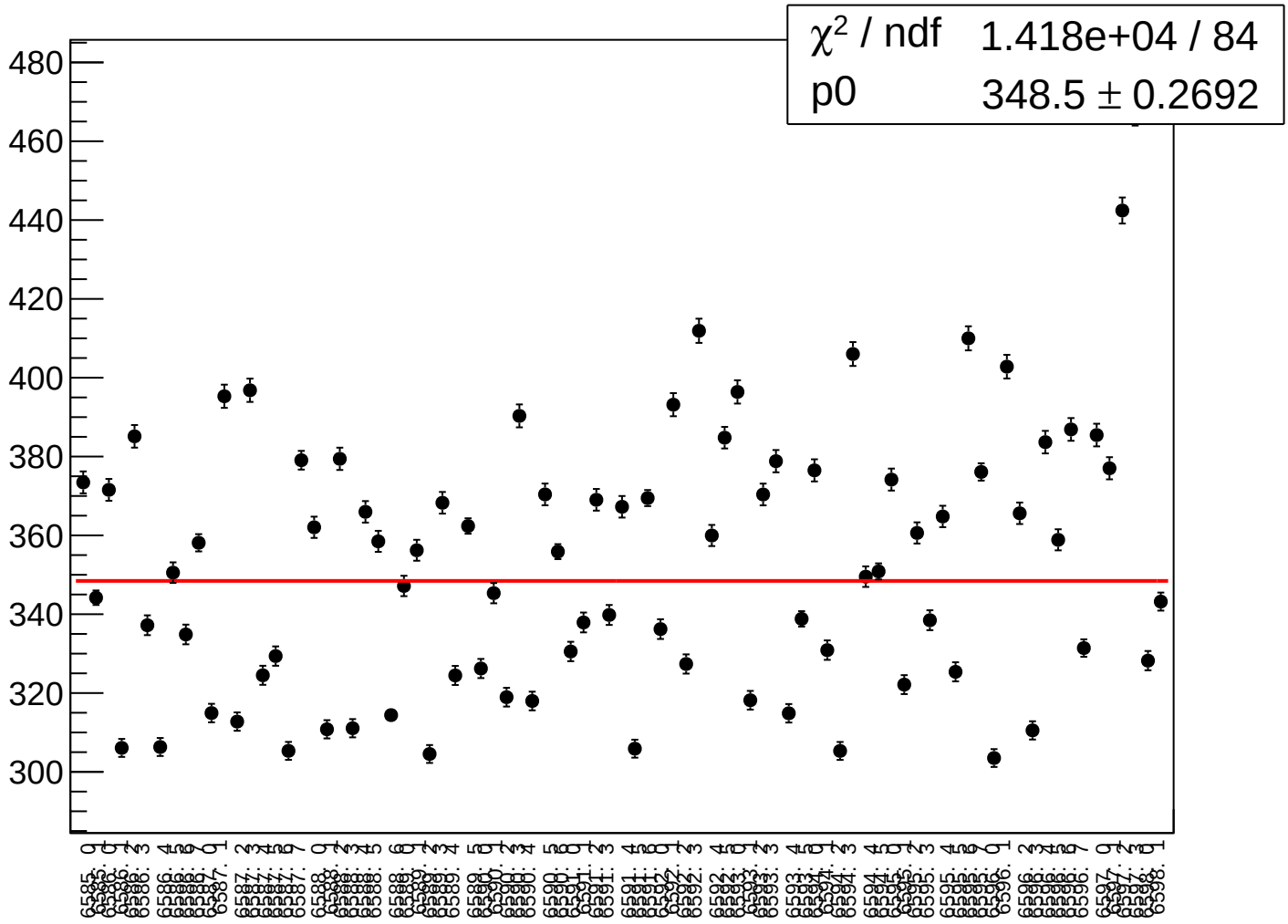

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.964e+04 / 84
p0 56.86 ± 0.04414
100
90
80
70
60
50

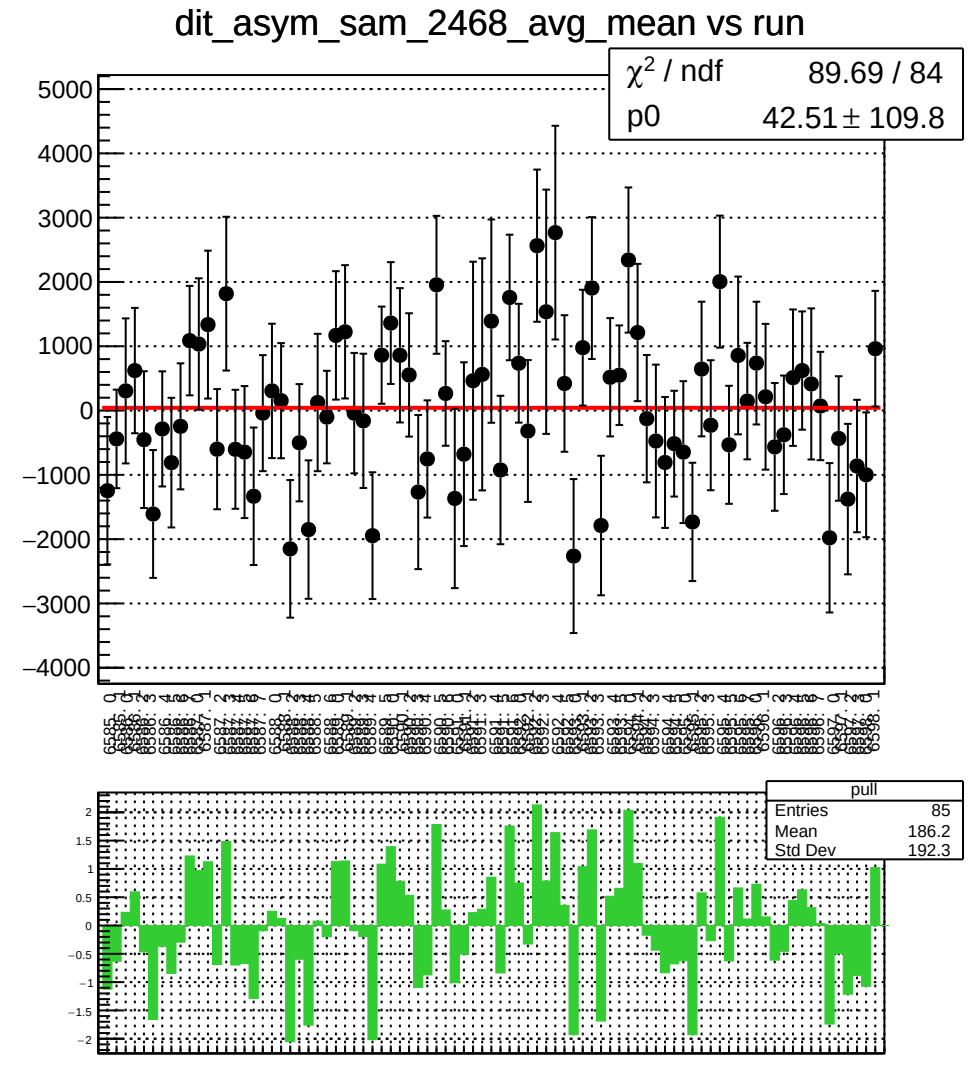

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 96.35 / 84
p0 −68.12 ± 385.4
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean 1216
Std Dev 1134
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.001161
Std Dev 1.065
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

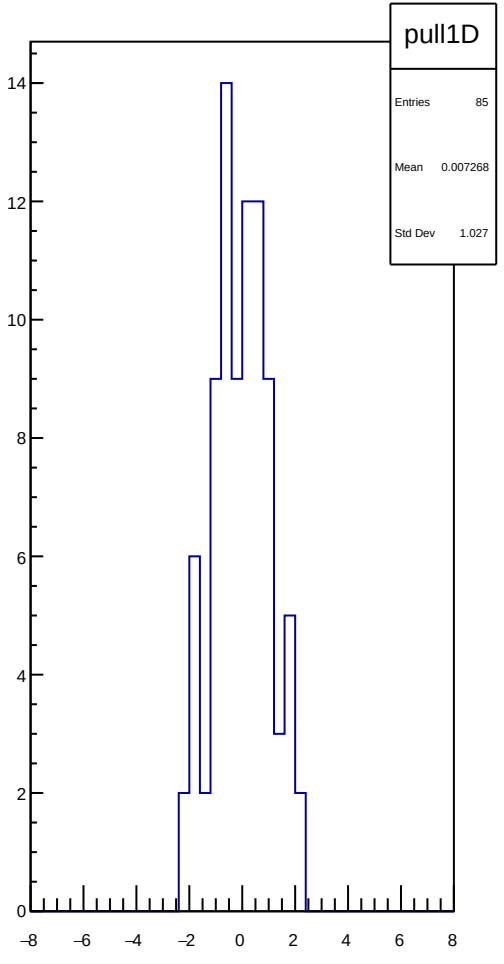

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 8152 / 84
p0 353.3 ± 0.2725
440
420
400
380
360
340
320
300

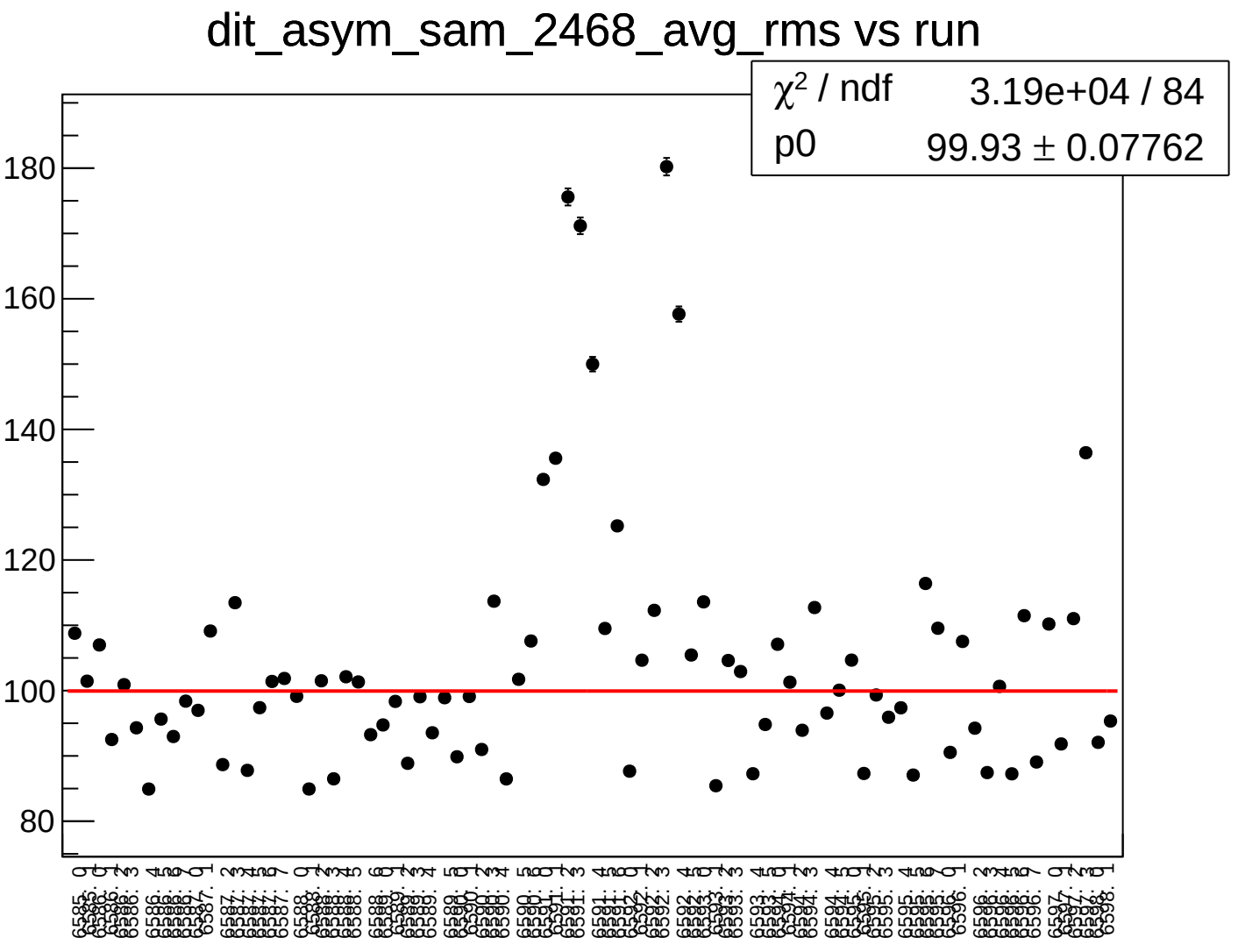

asym_sam_1357_avg_mean vs run
χ² / ndf 99.61 / 84
p0 58.54 ± 380.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 85
Mean −1069
Std Dev 1178
3
2
1
0
−1
−2
−3

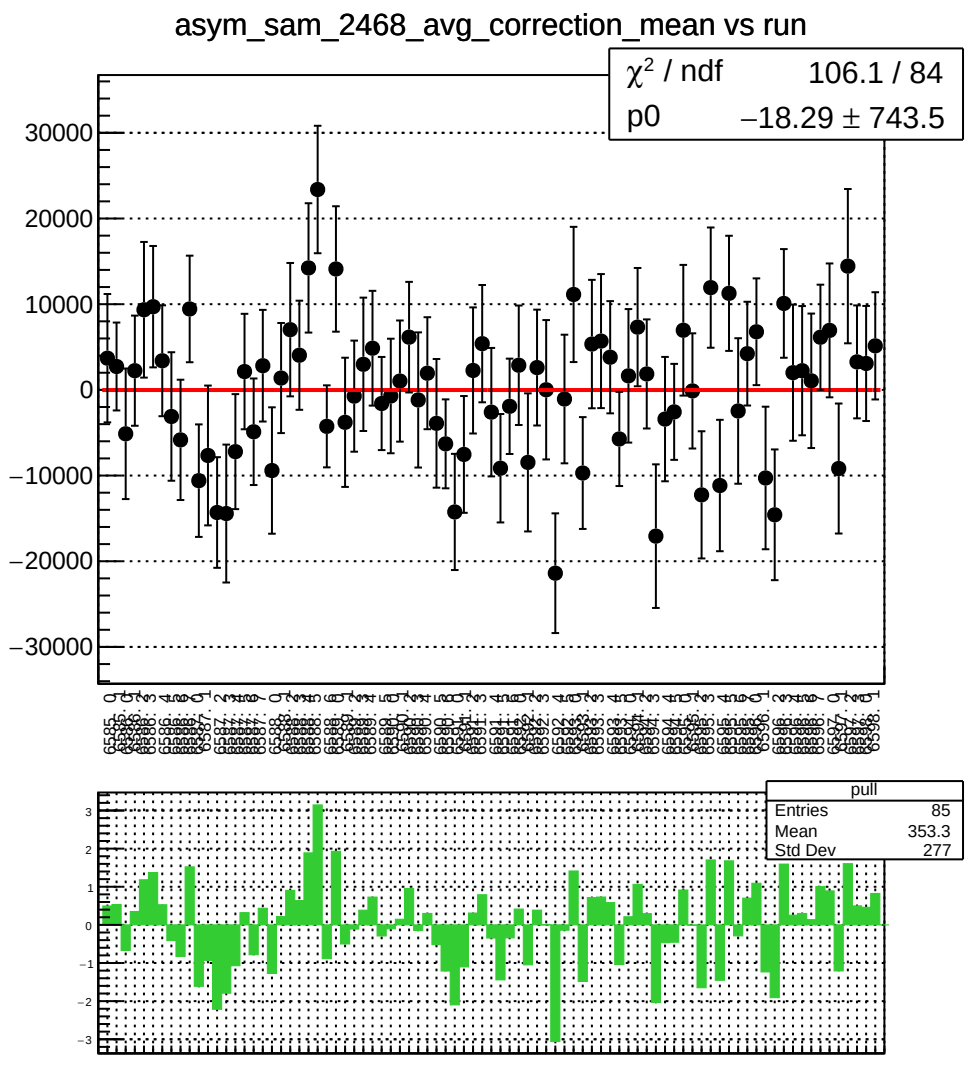

pull1D
Entries 85
Mean 0.0006481
Std Dev 1.083
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

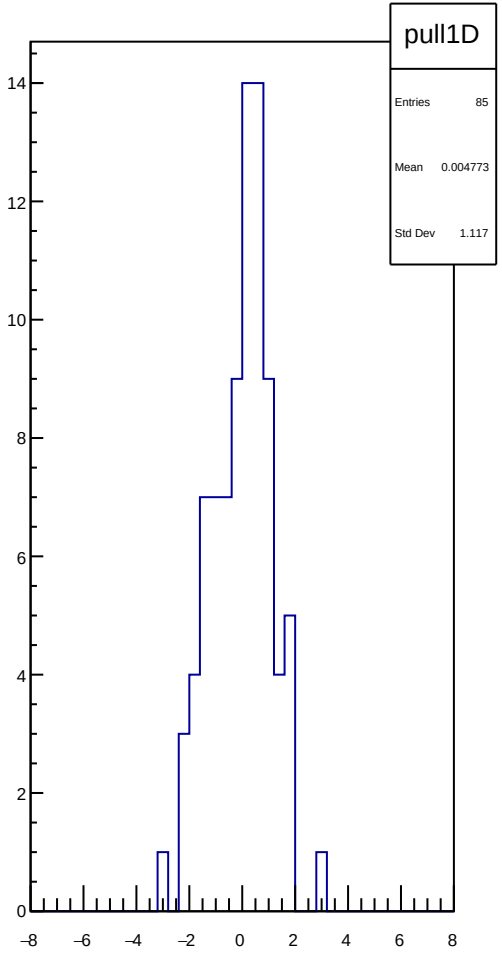

asym_sam_1357_avg_rms vs run
χ² / ndf 1.418e+04 / 84
p0 348.5 ± 0.2692
480
460
440
420
400
380
360
340
320
300

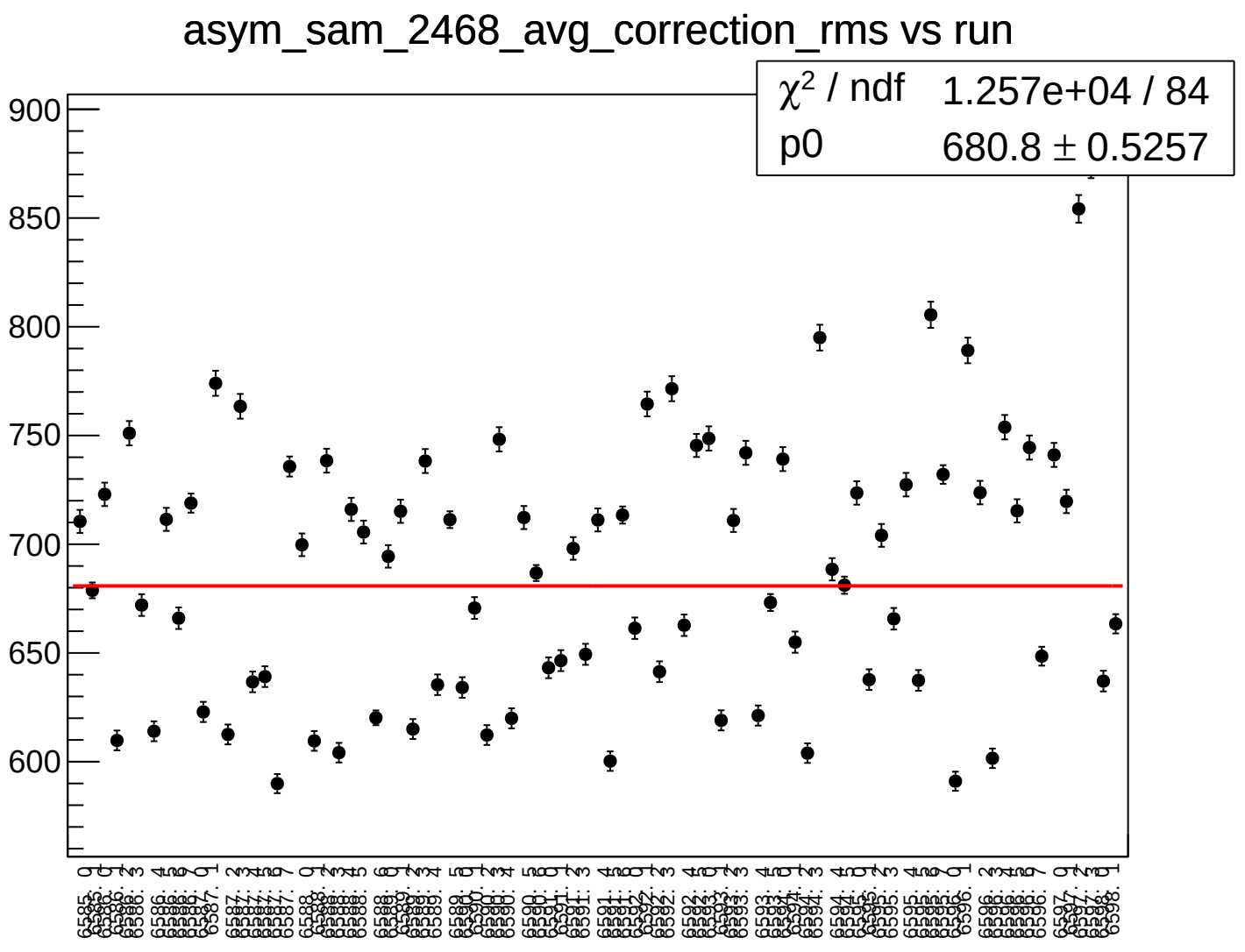

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 89.69 / 84
p0 42.51 ± 109.8
pull
Entries 85
Mean 186.2
Std Dev 192.3

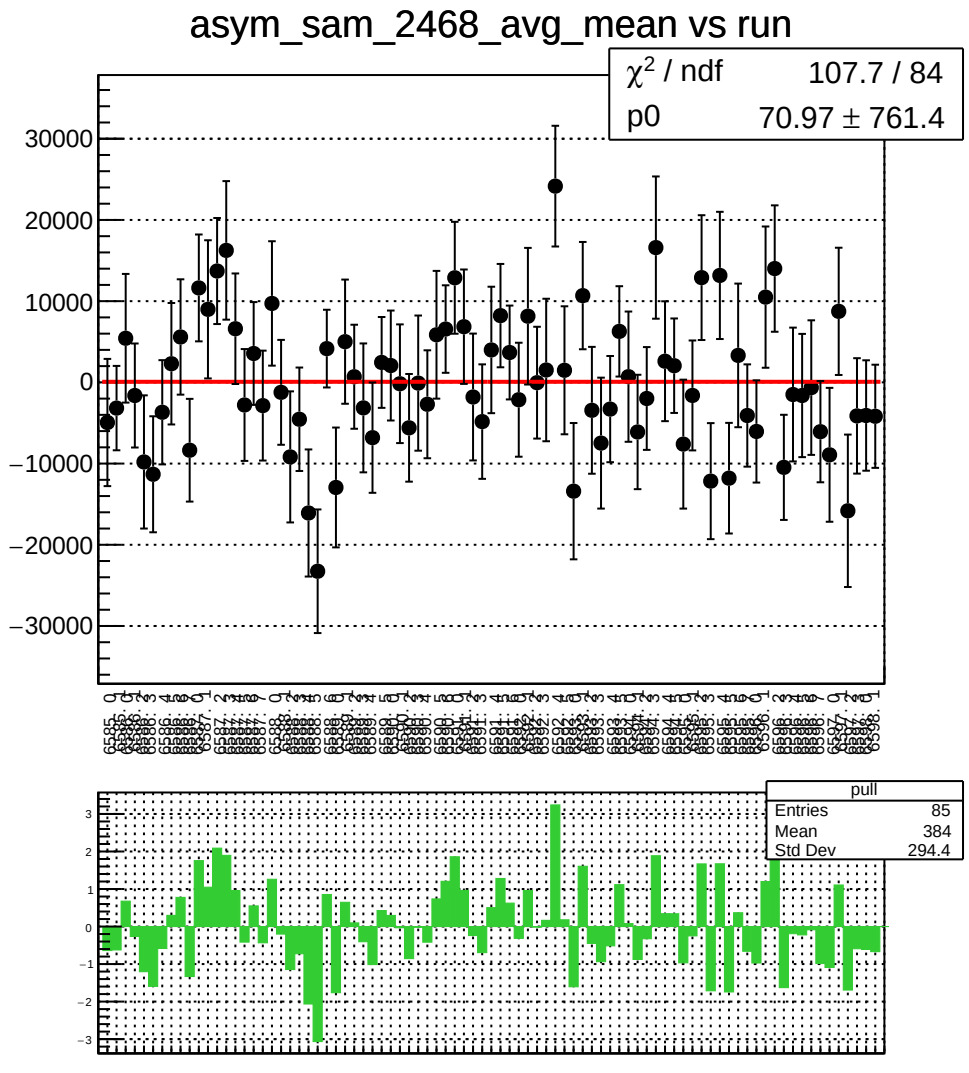

pull1D
Entries 85
Mean 0.007268
Std Dev 1.027

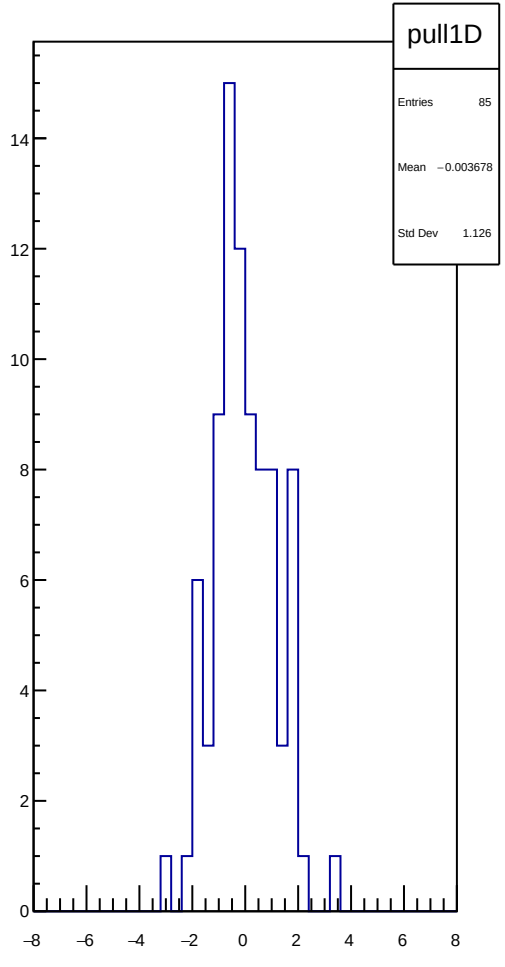

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 3.19e+04 / 84
p0 99.93 ± 0.07762
180
160
140
120
100
80

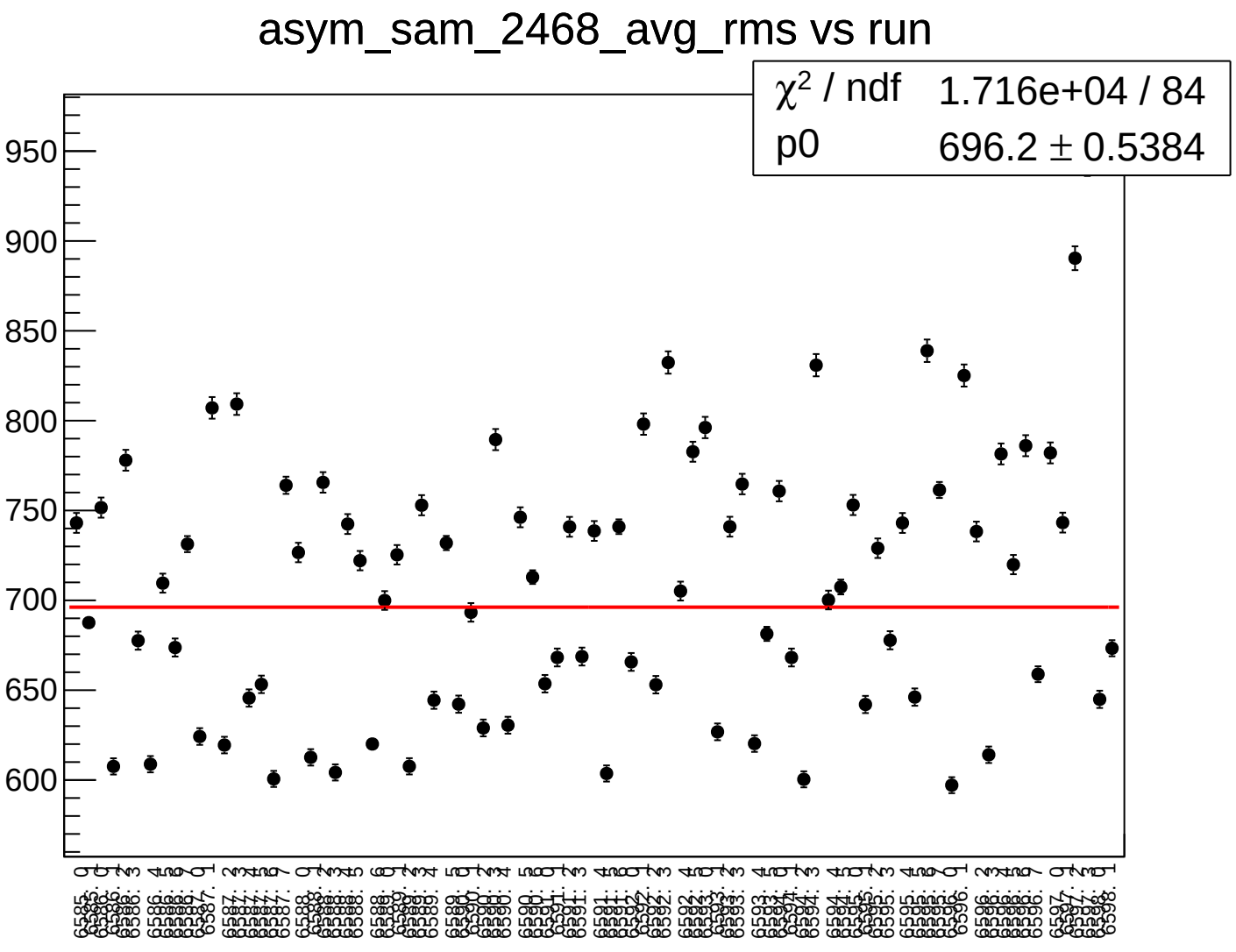

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 106.1 / 84
p0 −18.29 ± 743.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 353.3
Std Dev 277
3
2
1
0
−1
−2
−3

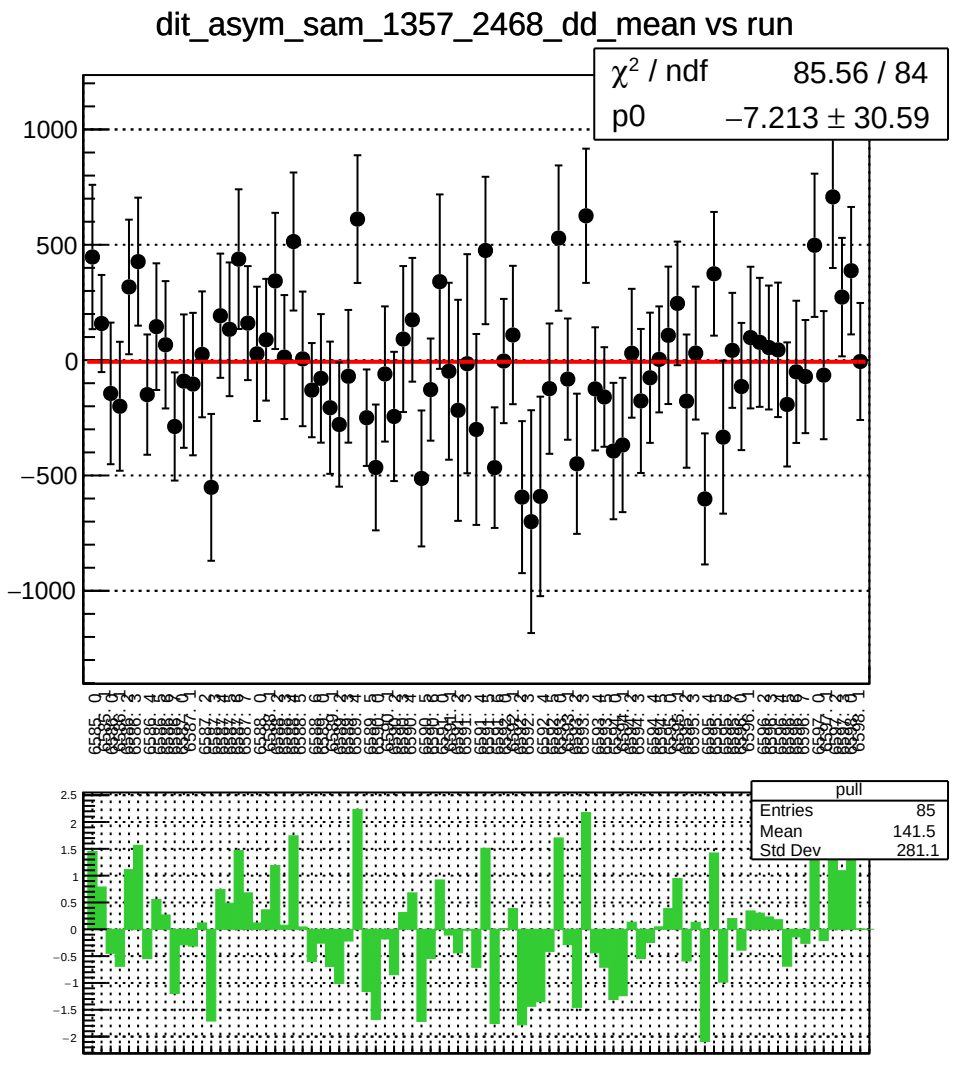

pull1D
Entries 85
Mean 0.004773
Std Dev 1.117
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

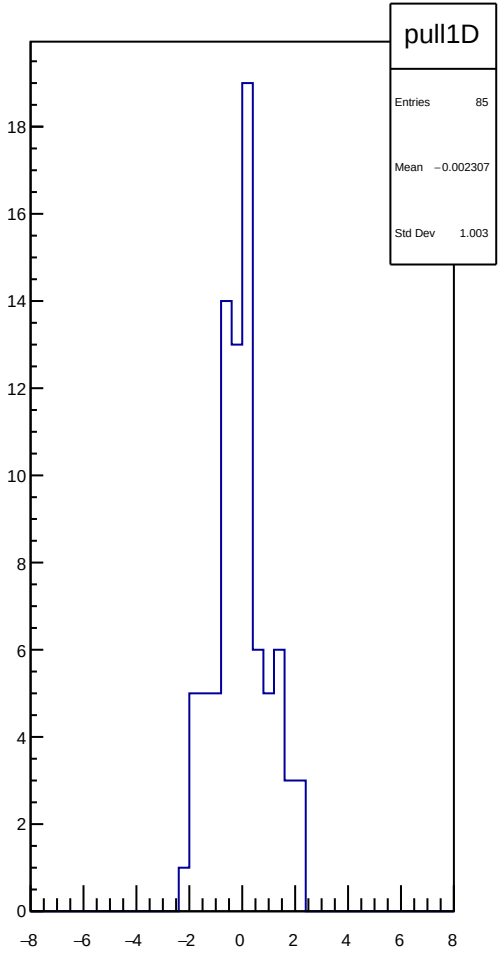

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 1.257e+04 / 84
p0 680.8 ± 0.5257
900
850
800
750
700
650
600

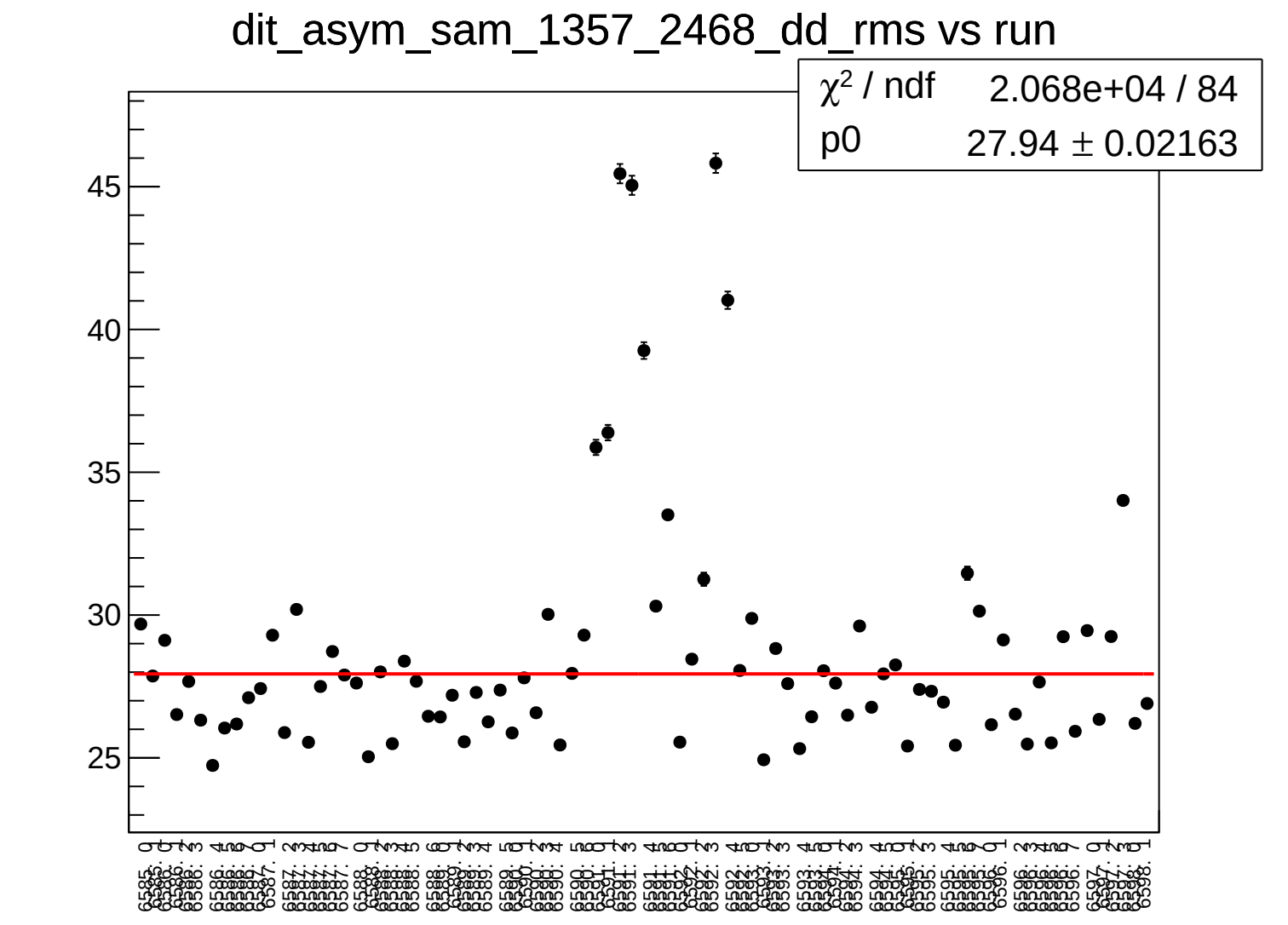

asym_sam_2468_avg_mean vs run
χ² / ndf 107.7 / 84
p0 70.97 ± 761.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 85
Mean 384
Std Dev 294.4
3
2
1
0
−1
−2
−3

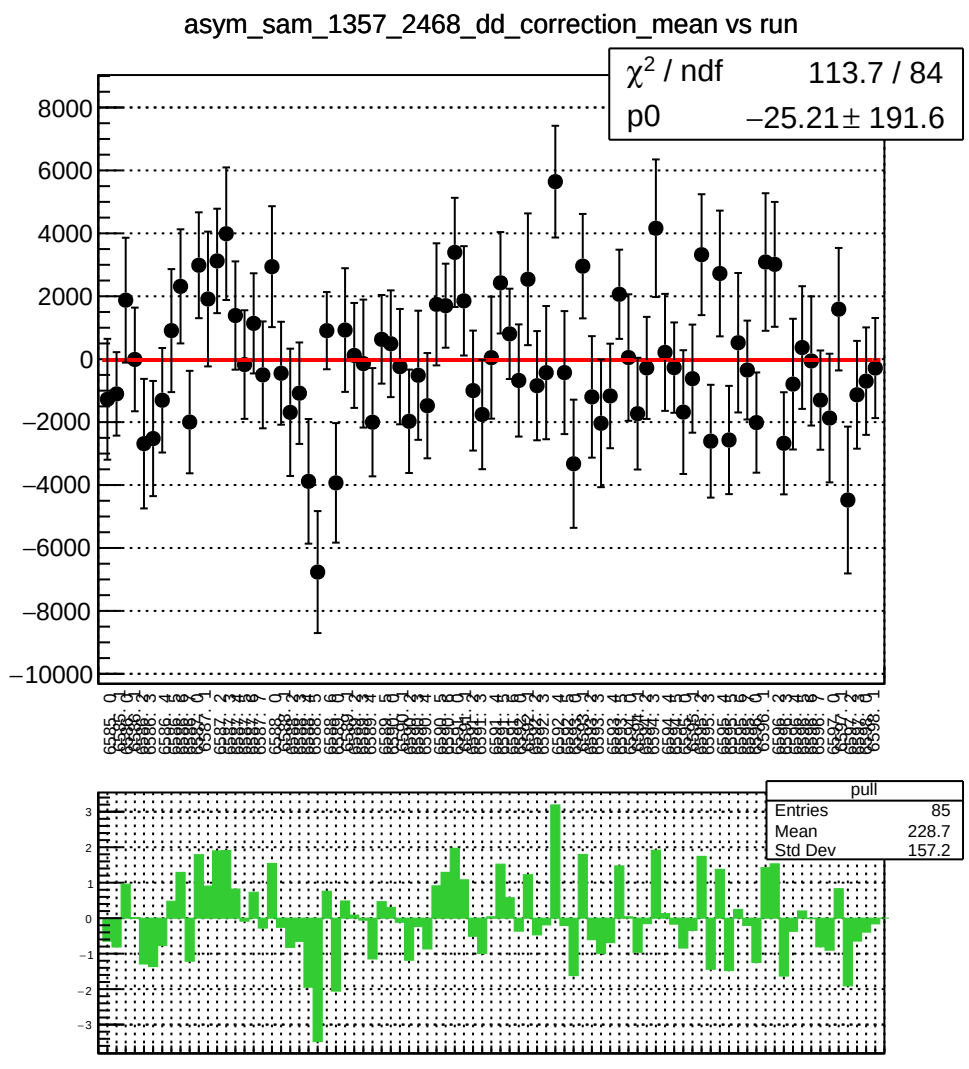

pull1D
Entries 85
Mean −0.003678
Std Dev 1.126
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

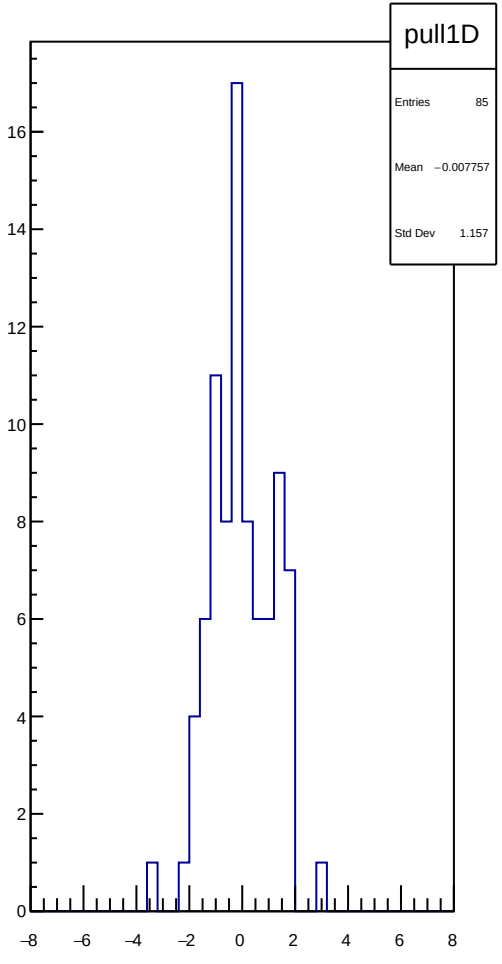

asym_sam_2468_avg_rms vs run
χ² / ndf 1.716e+04 / 84
p0 696.2 ± 0.5384
950
900
850
800
750
700
650
600

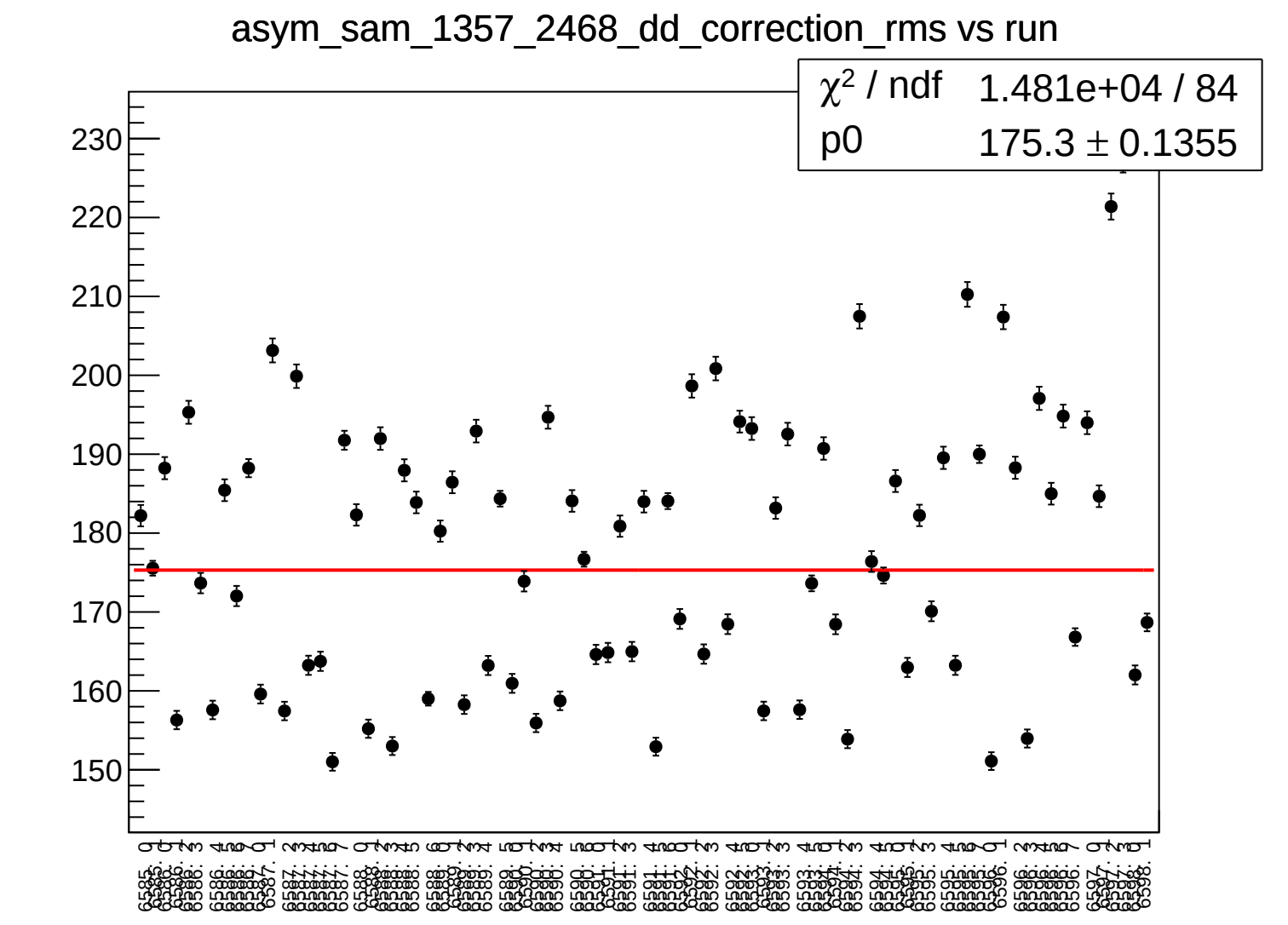

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 85.56 / 84
p0 −7.213 ± 30.59
1000
500
0
−500
−1000
pull
Entries 85
Mean 141.5
Std Dev 281.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

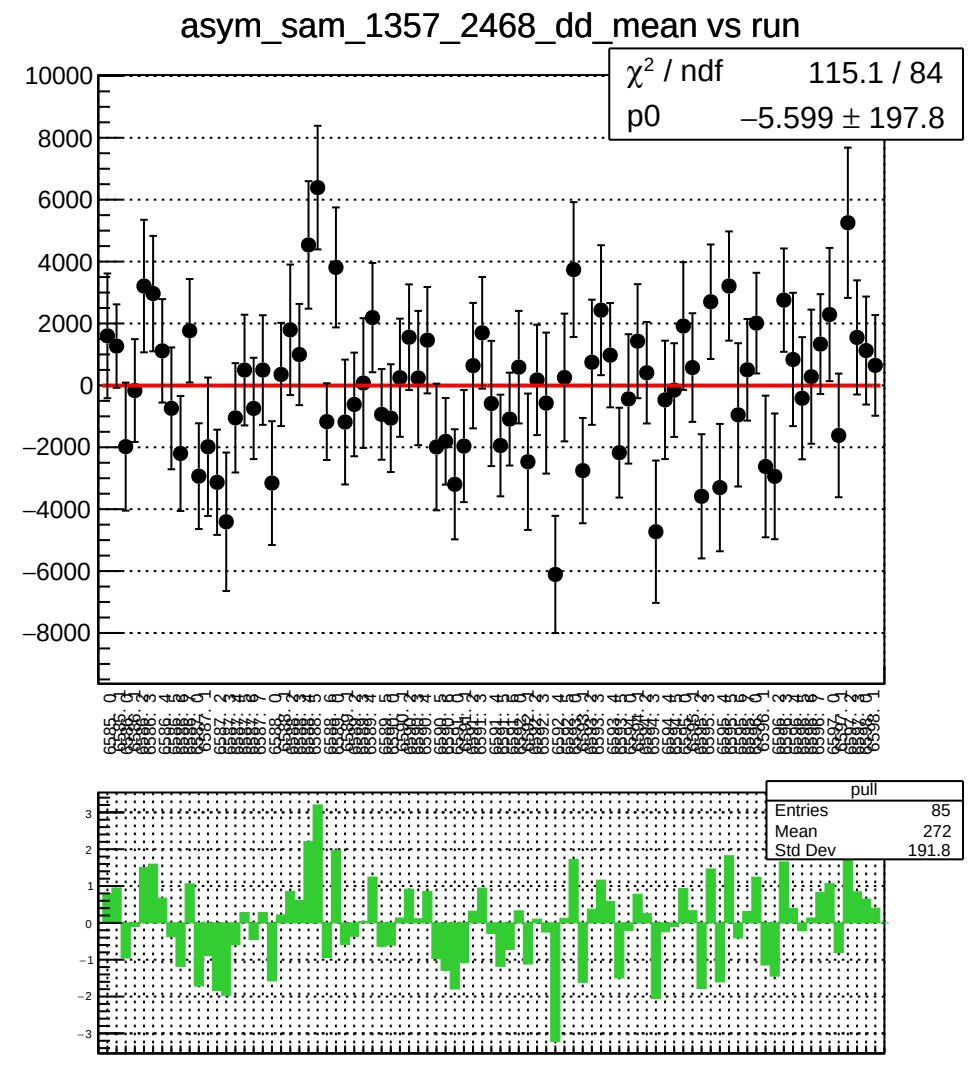

pull1D
Entries 85
Mean −0.002307
Std Dev 1.003
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

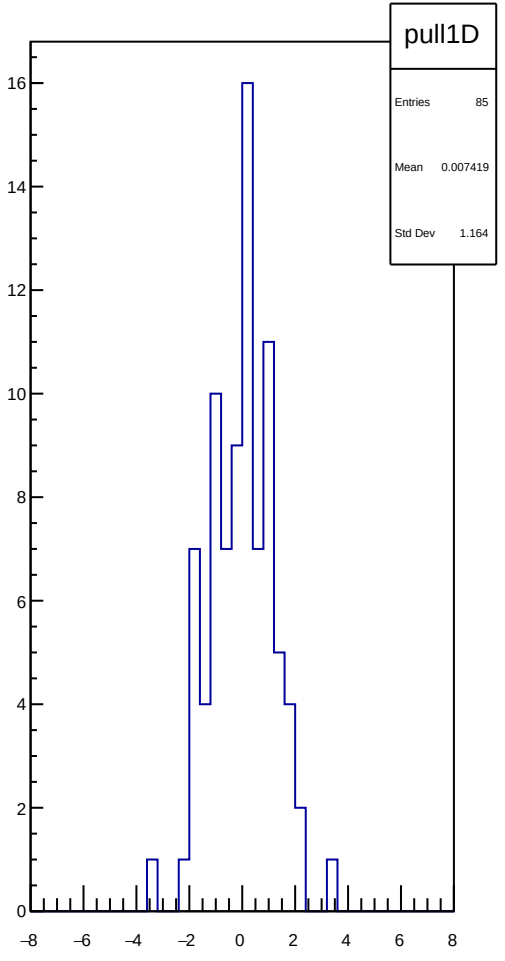

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 2.068e+04 / 84
p0 27.94 ± 0.02163
45
40
35
30
25

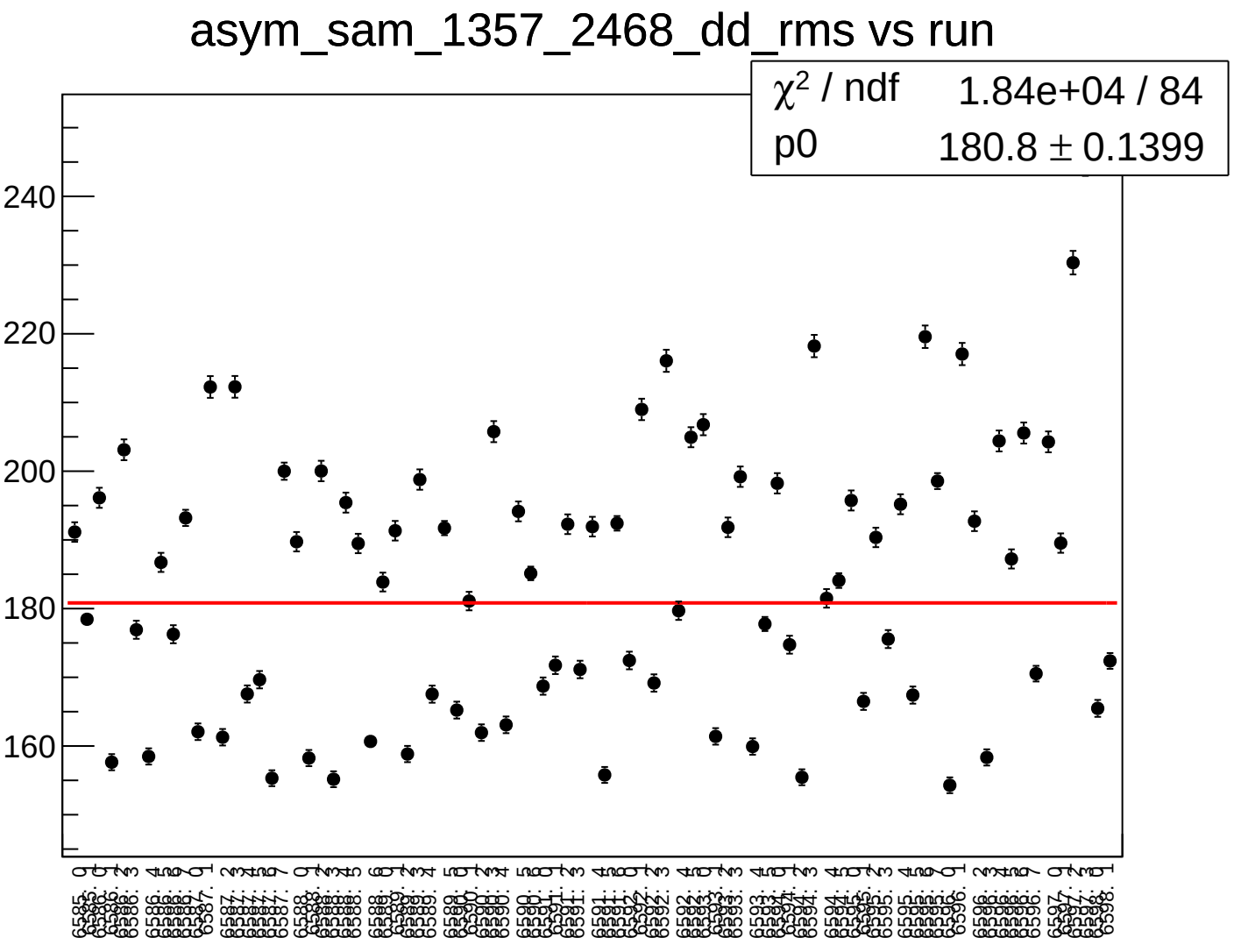

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 113.7 / 84
p0 −25.21 ± 191.6
pull
Entries 85
Mean 228.7
Std Dev 157.2

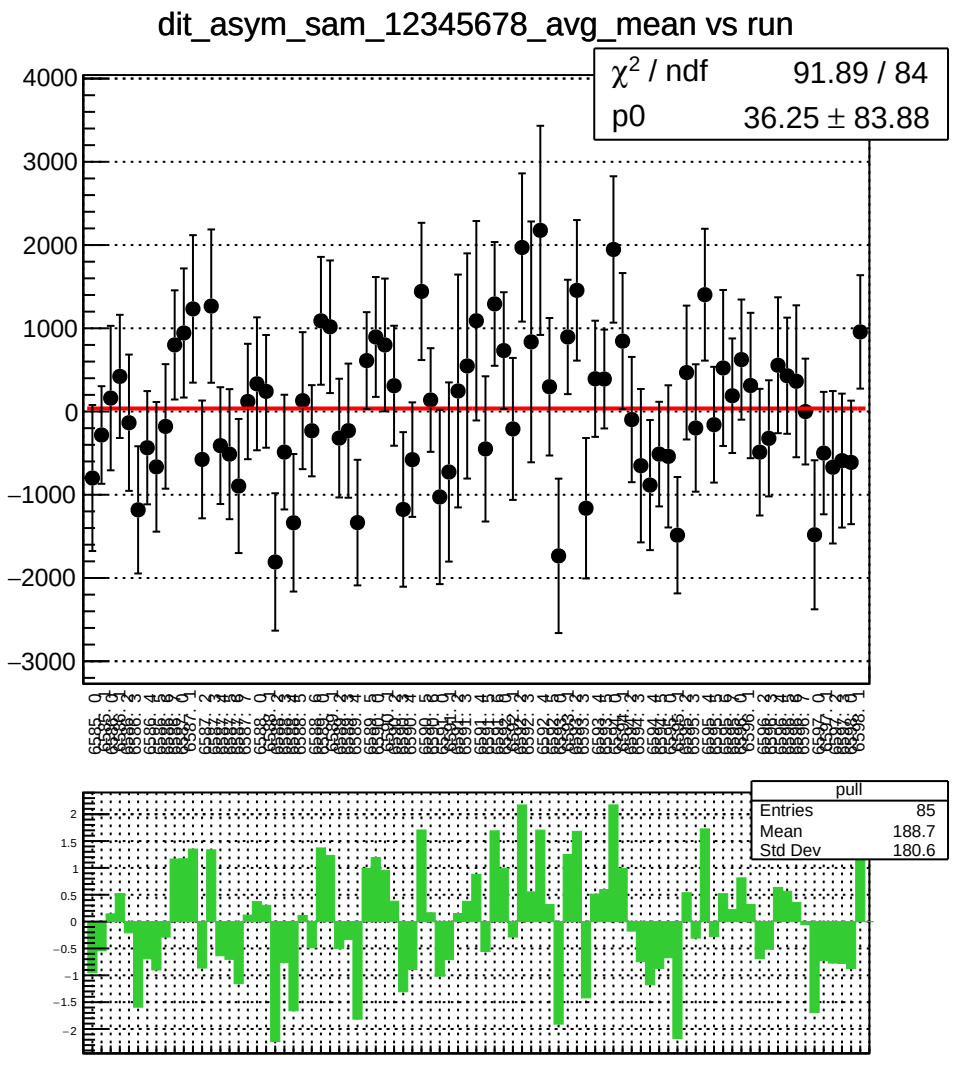

pull1D
Entries 85
Mean −0.007757
Std Dev 1.157

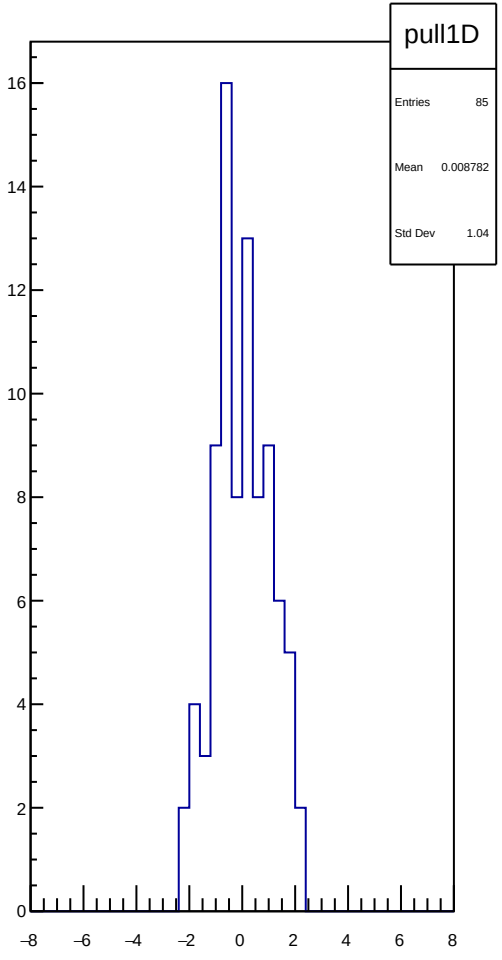

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 1.481e+04 / 84
p0 175.3 ± 0.1355
230
220
210
200
190
180
170
160
150

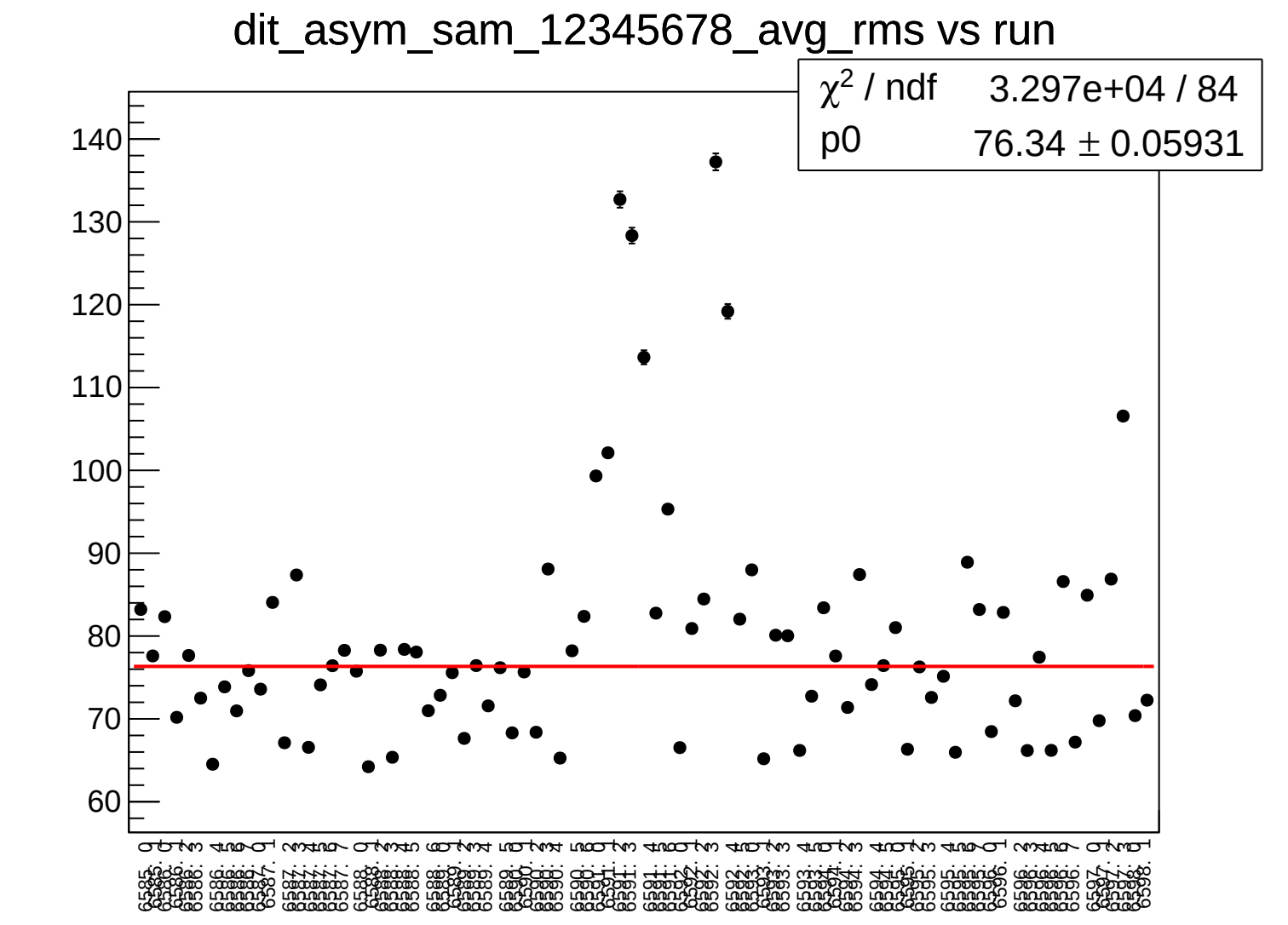

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 115.1 / 84
p0 −5.599 ± 197.8
pull
Entries 85
Mean 272
Std Dev 191.8

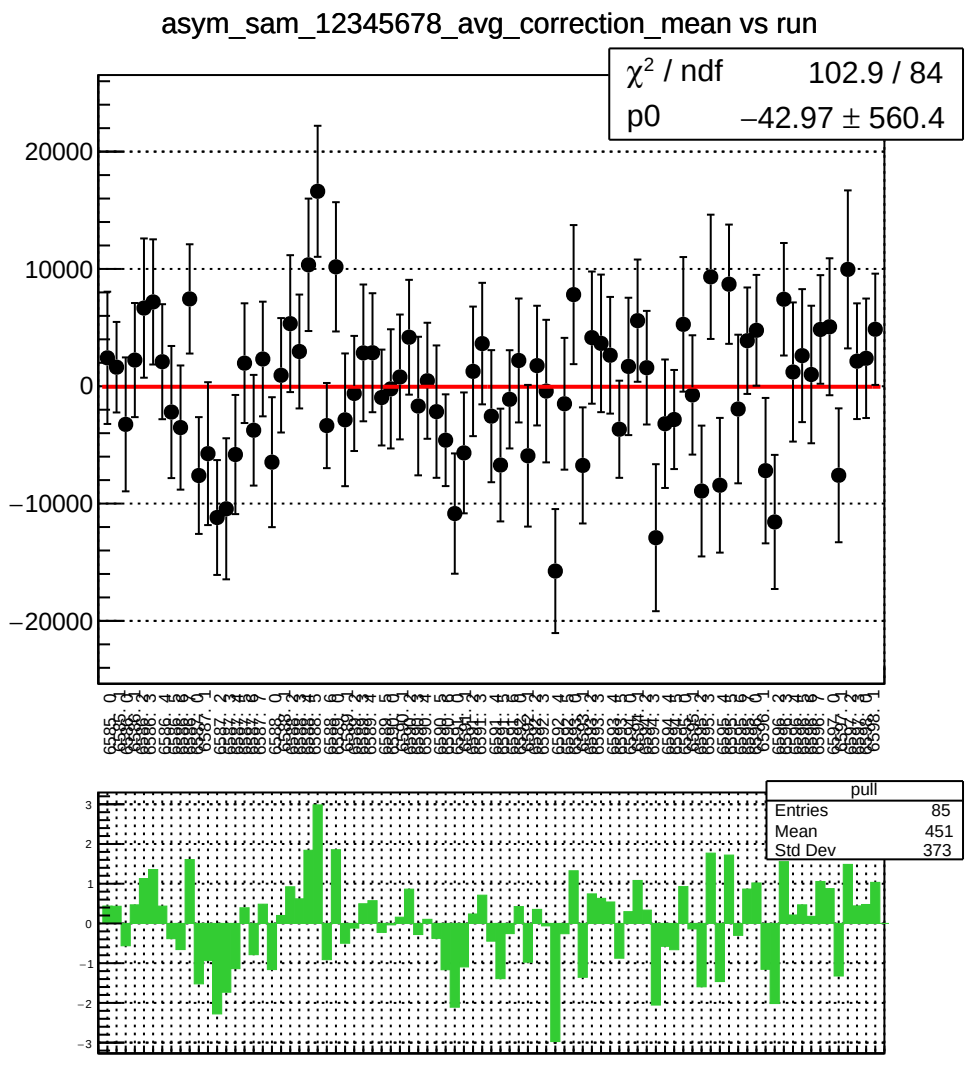

pull1D
Entries 85
Mean 0.007419
Std Dev 1.164

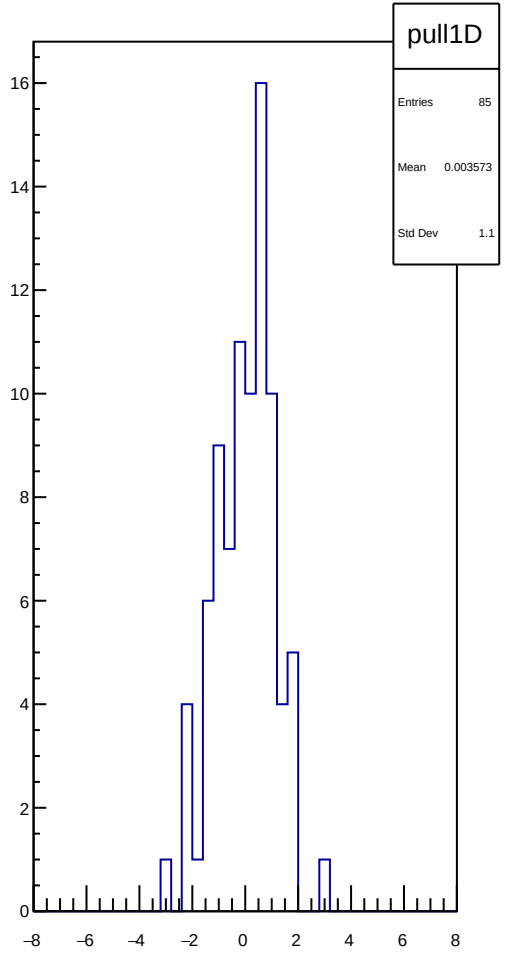

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.84e+04 / 84
p0 180.8 ± 0.1399
240
220
200
180
160

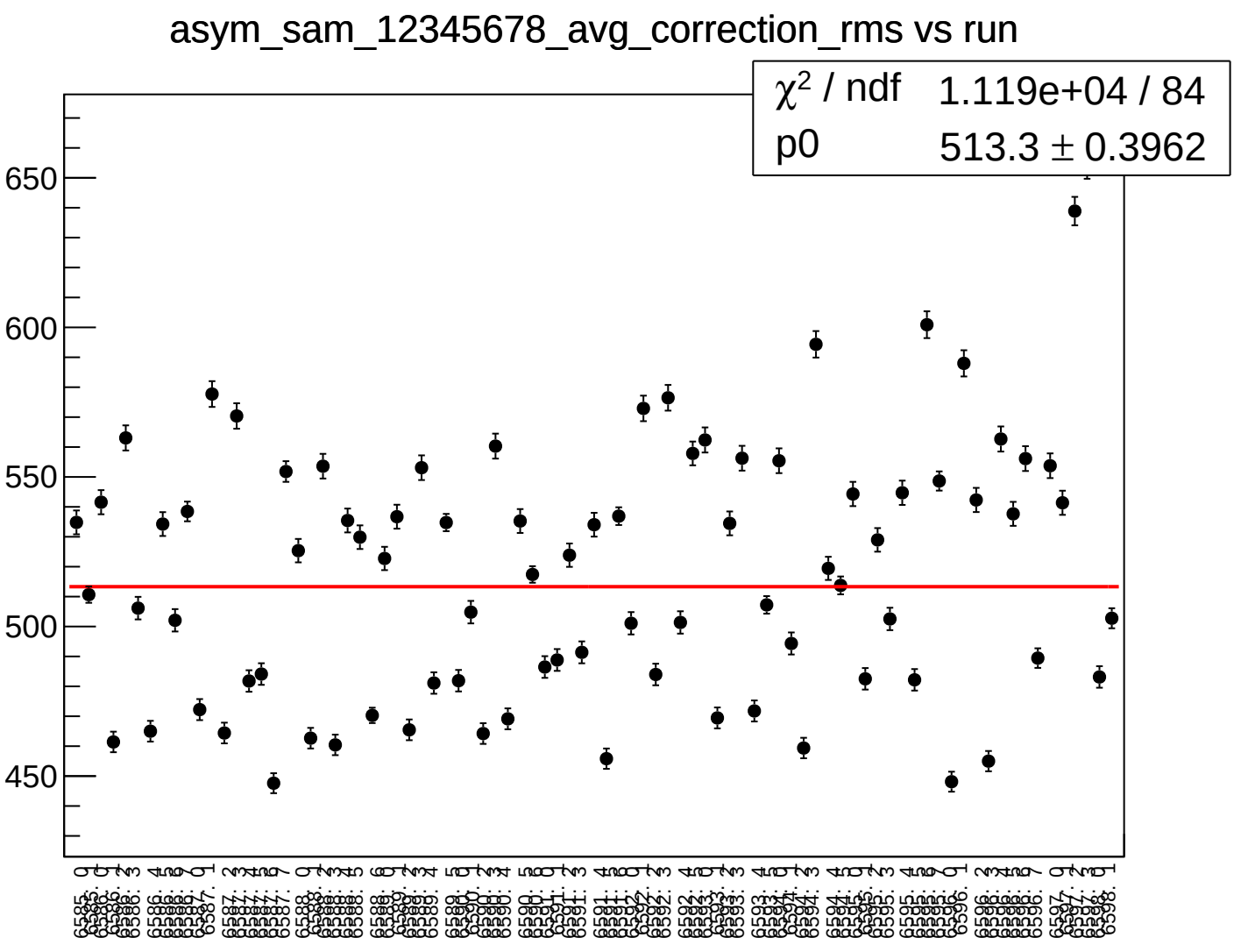

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 91.89 / 84
p0 36.25 ± 83.88
pull
Entries 85
Mean 188.7
Std Dev 180.6

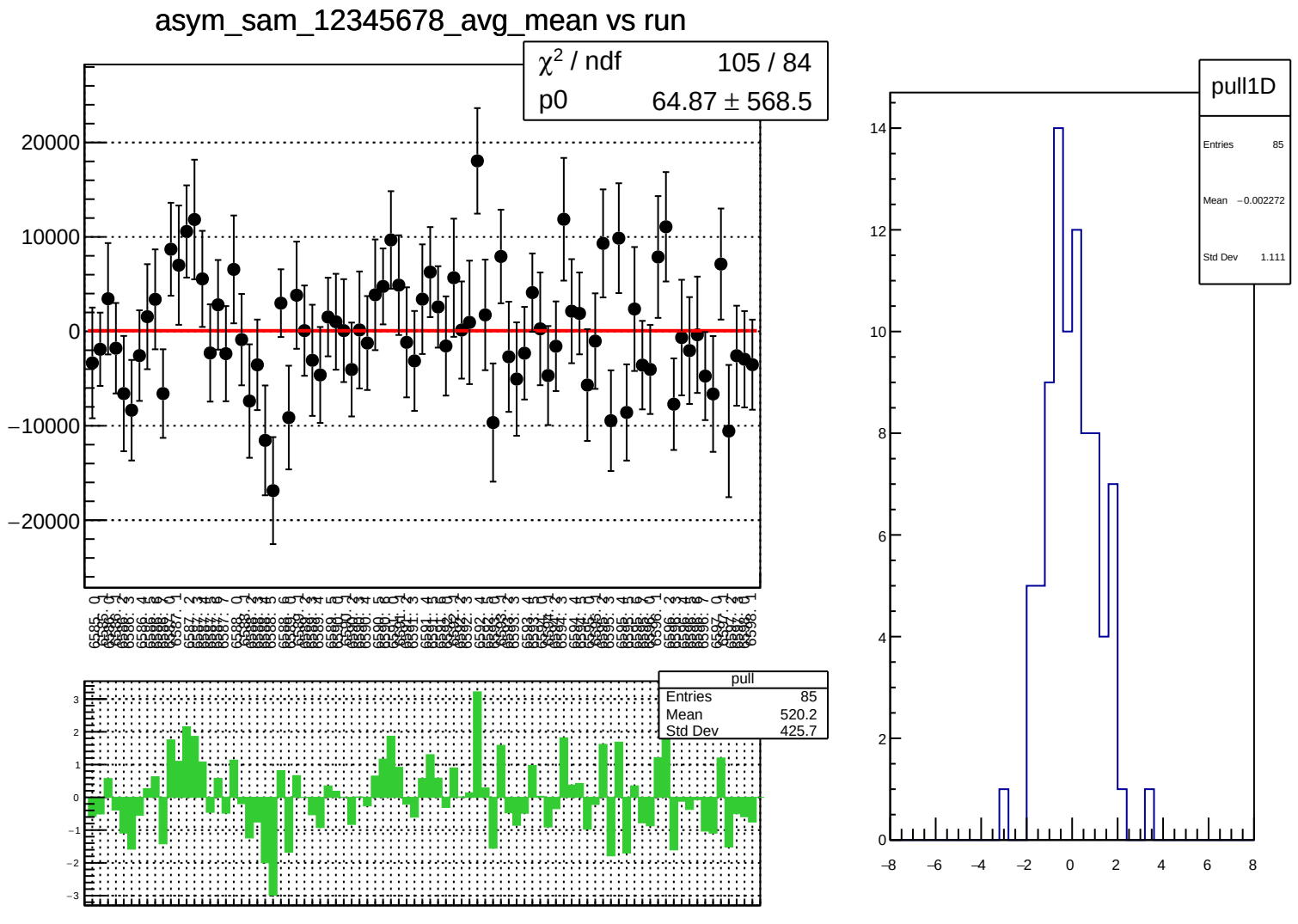

pull1D
Entries 85
Mean 0.008782
Std Dev 1.04

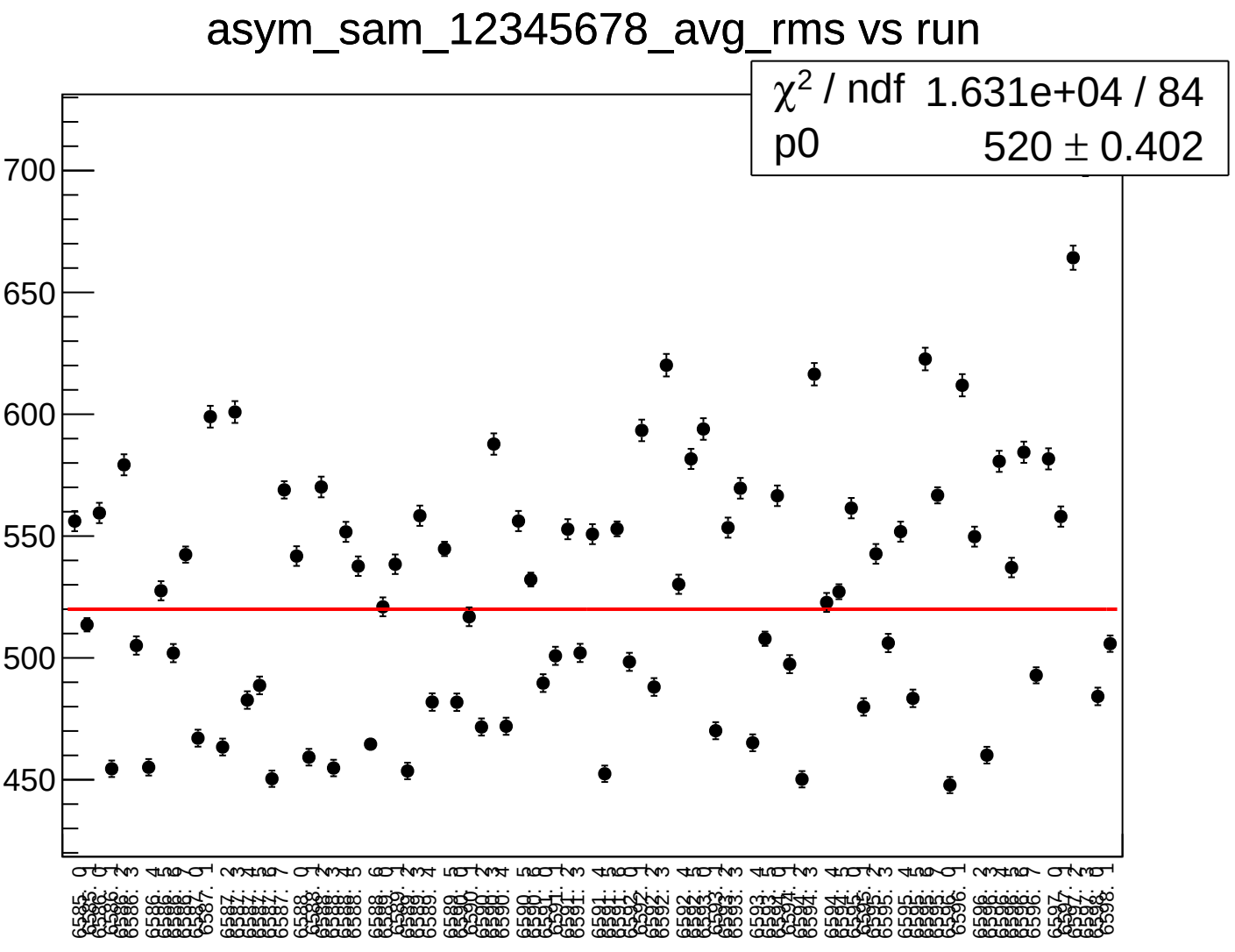

dit_asym_sam_12345678_avg_rms vs run
χ^2 / ndf 3.297e+04 / 84
p0 76.34 ± 0.05931
140
130
120
110
100
90
80
70
60

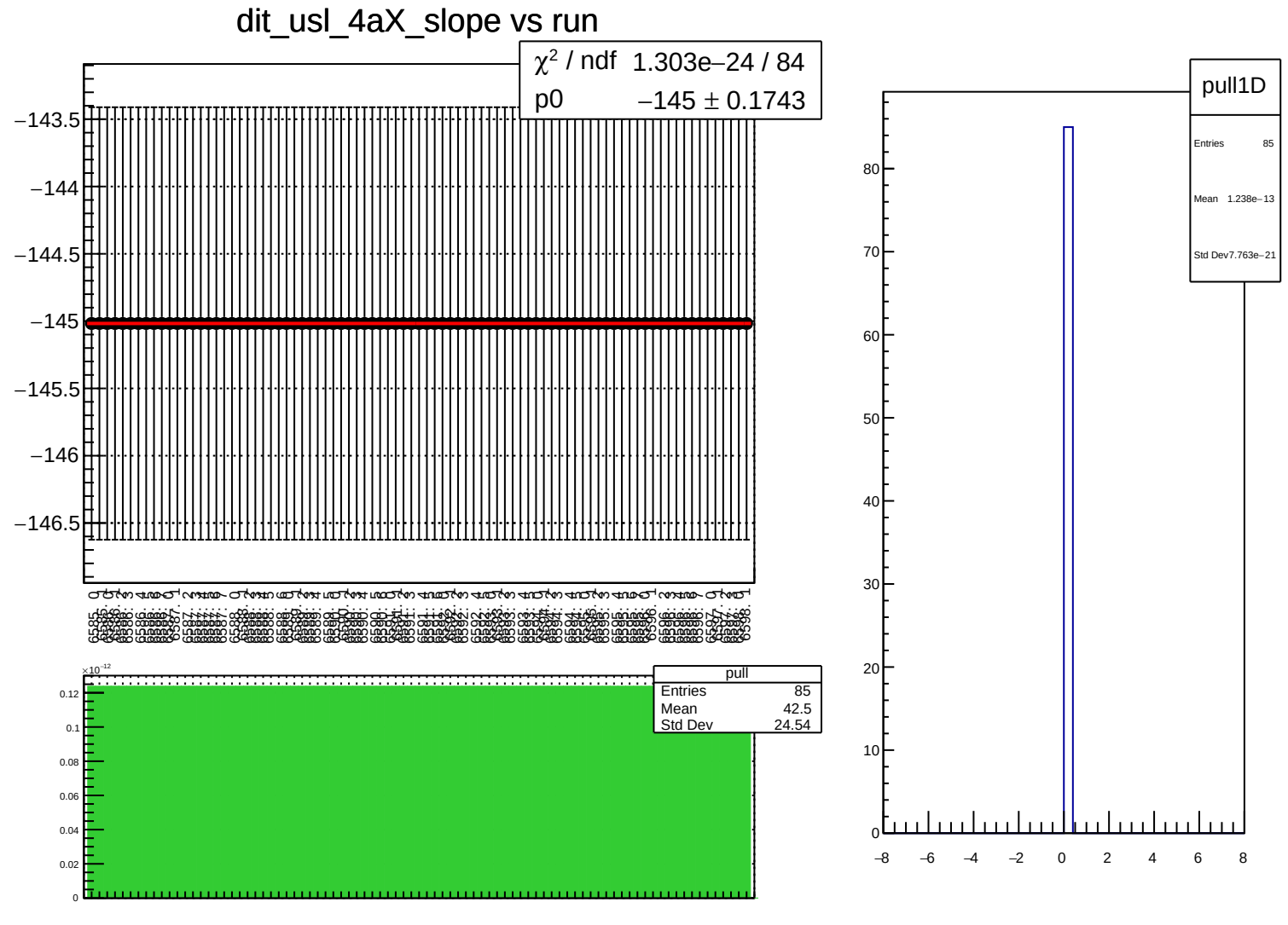

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 102.9 / 84
p0 −42.97 ± 560.4
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 451
Std Dev 373
3
2
1
0
−1
−2
−3

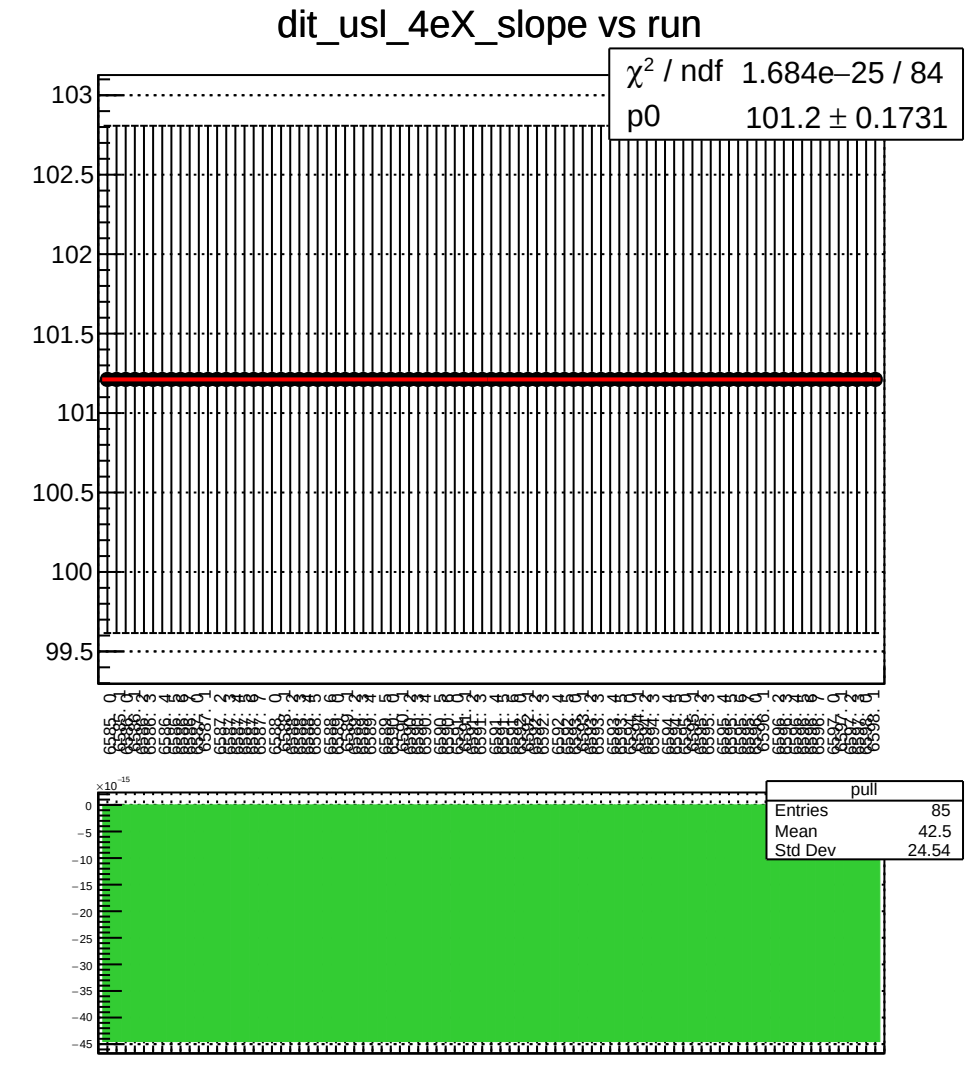

pull1D
Entries 85
Mean 0.003573
Std Dev 1.1
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

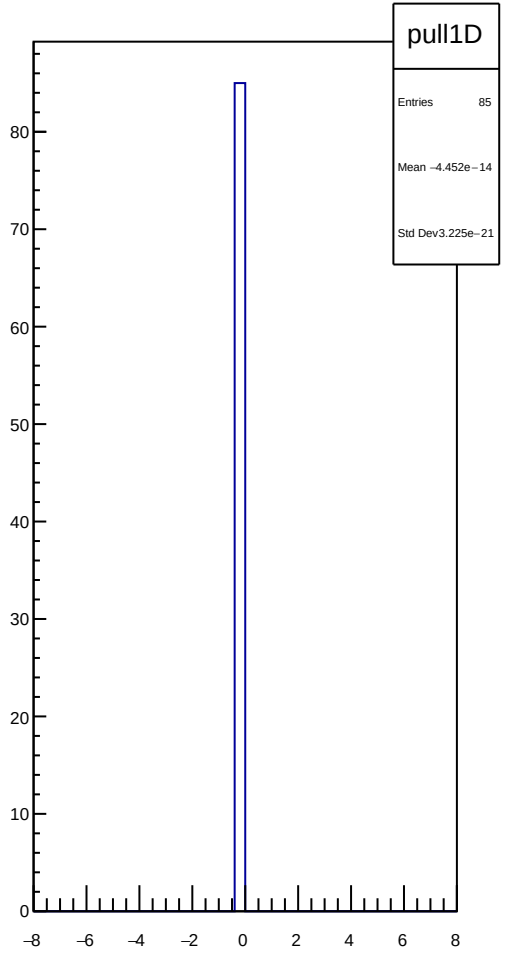

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 1.119e+04 / 84
p0 513.3 ± 0.3962
650
600
550
500
450

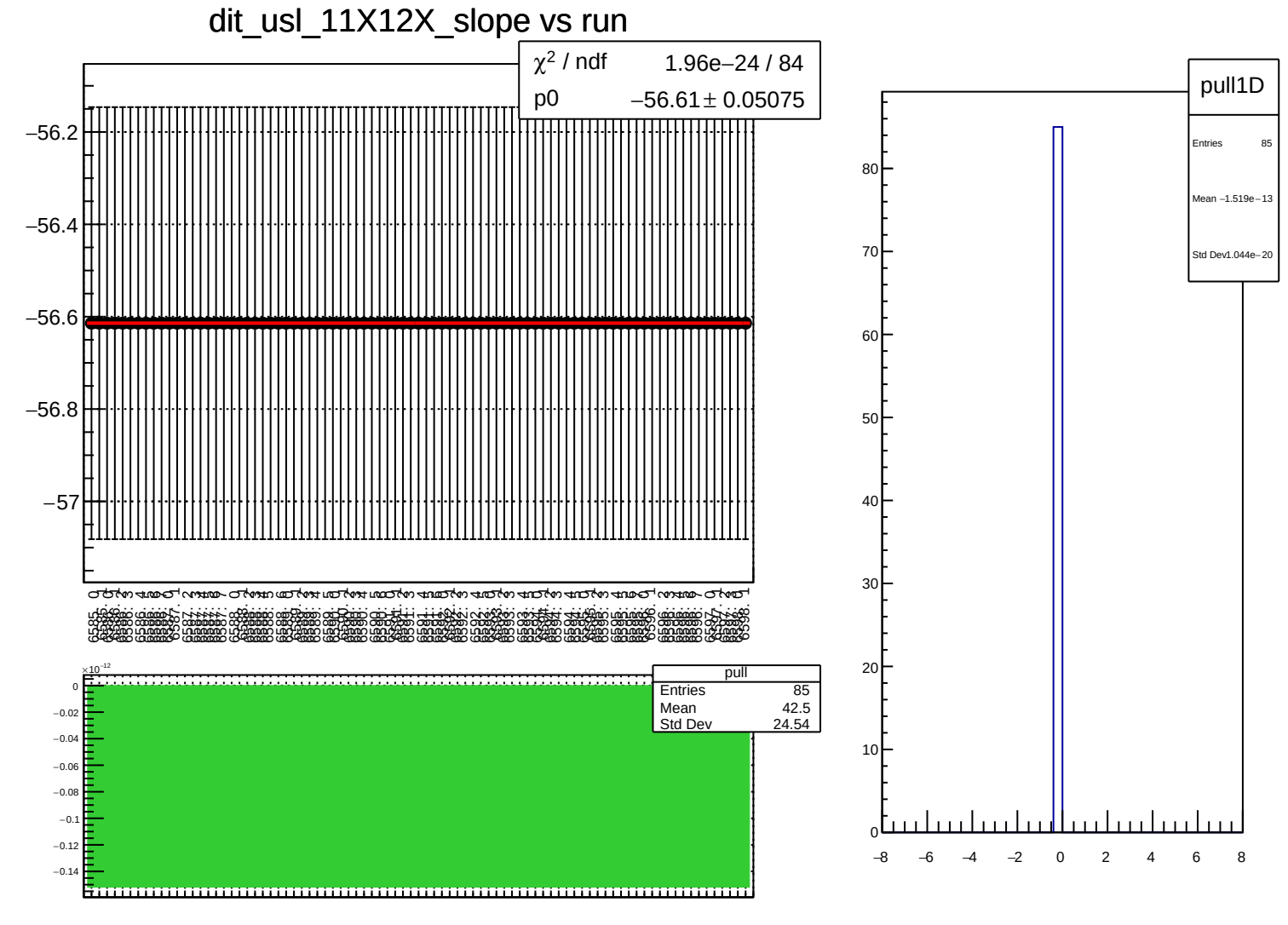

asym_sam_12345678_avg_mean vs run
χ² / ndf 105 / 84
p0 64.87 ± 568.5
20000
10000
0
−10000
−20000
pull
Entries 85
Mean 520.2
Std Dev 425.7
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.002272
Std Dev 1.111
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

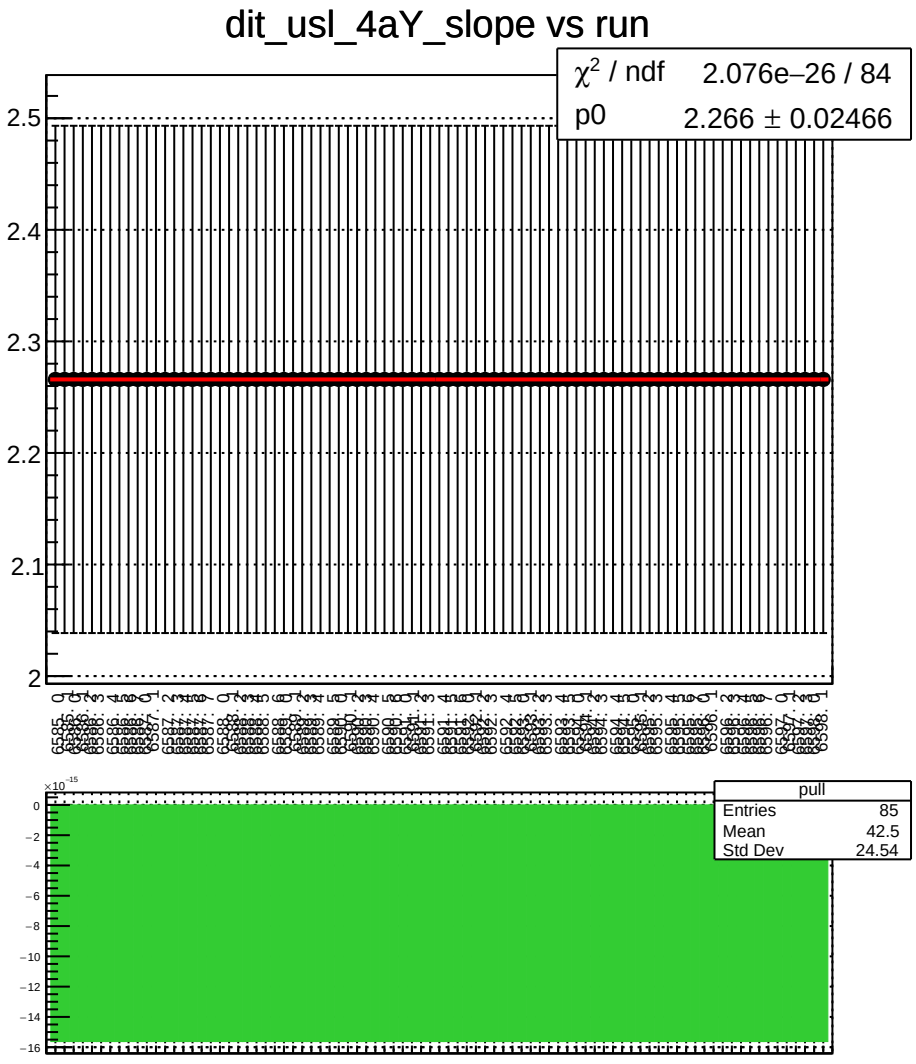

asym_sam_12345678_avg_rms vs run
χ² / ndf 1.631e+04 / 84
p0 520 ± 0.402
700
650
600
550
500
450

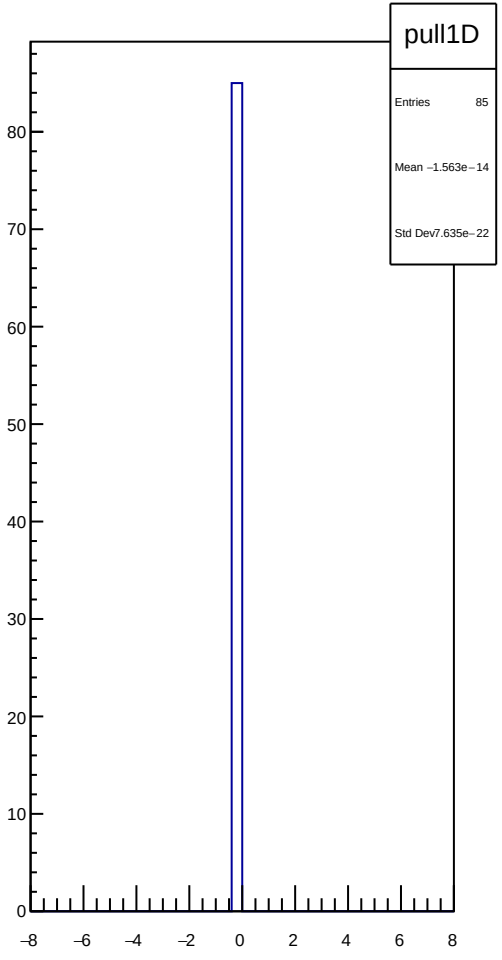

dit_usl_4aX_slope vs run
χ² / ndf 1.303e−24 / 84
p0 −145 ± 0.1743
−143.5
−144
−144.5
−145
−145.5
−146
−146.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 85
Mean 1.238e−13
Std Dev 7.763e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

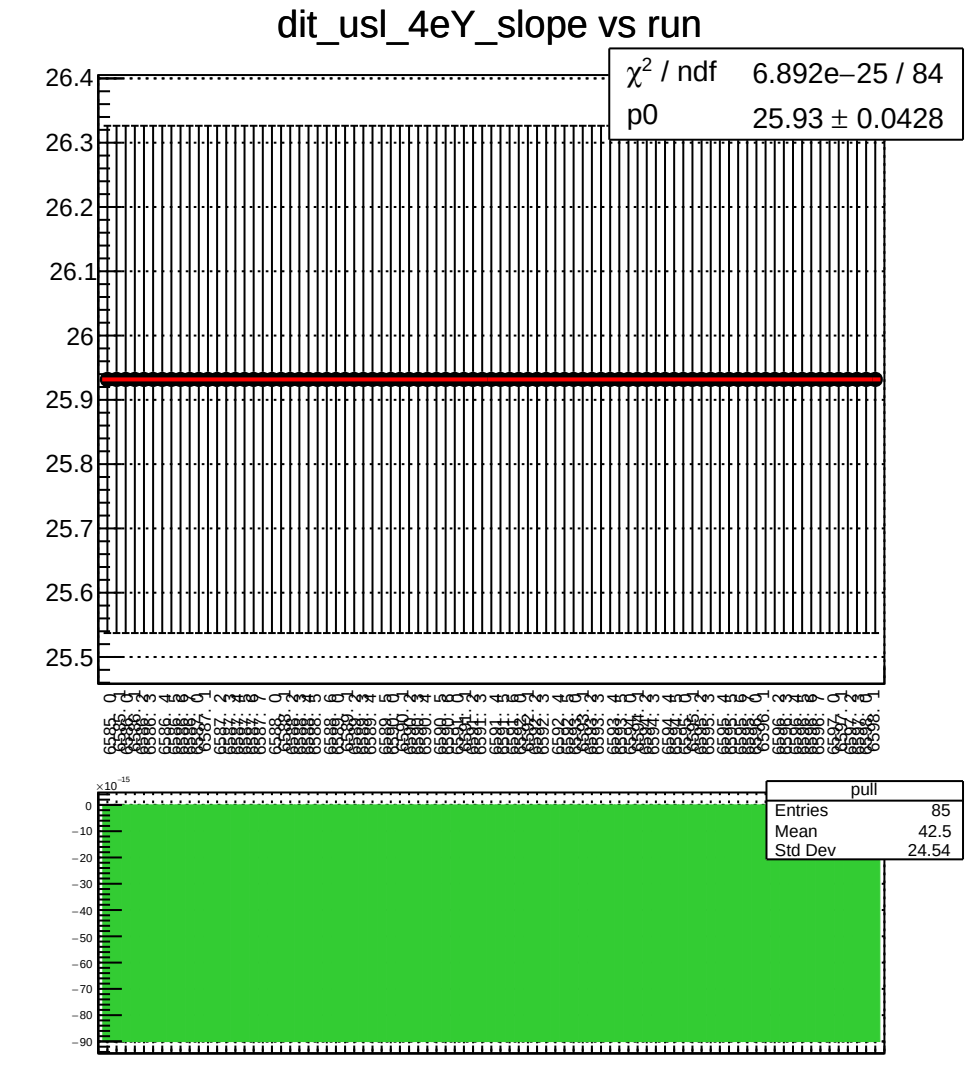

dit_usl_4eX_slope vs run
χ² / ndf 1.684e−25 / 84
p0 101.2 ± 0.1731
103
102.5
102
101.5
101
100.5
100
99.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45

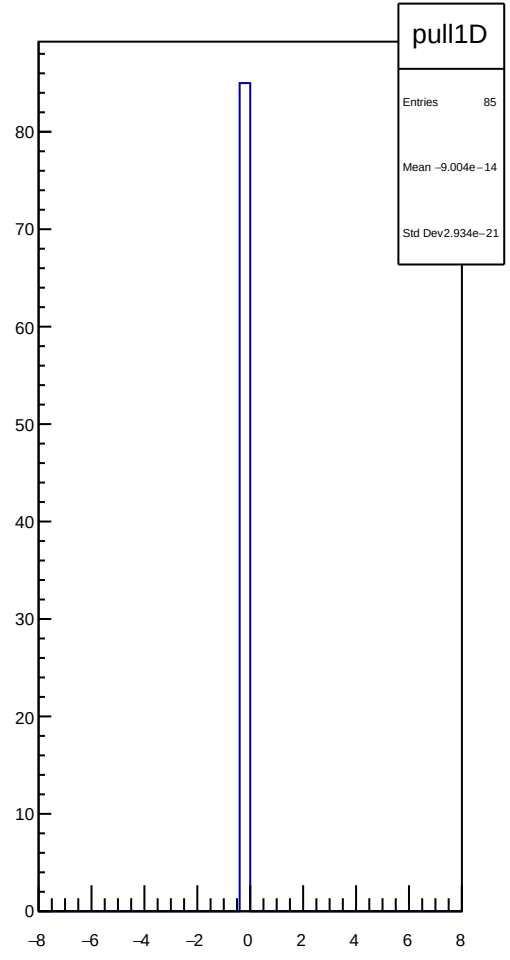

pull1D
Entries 85
Mean −4.452e−14
Std Dev3.225e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

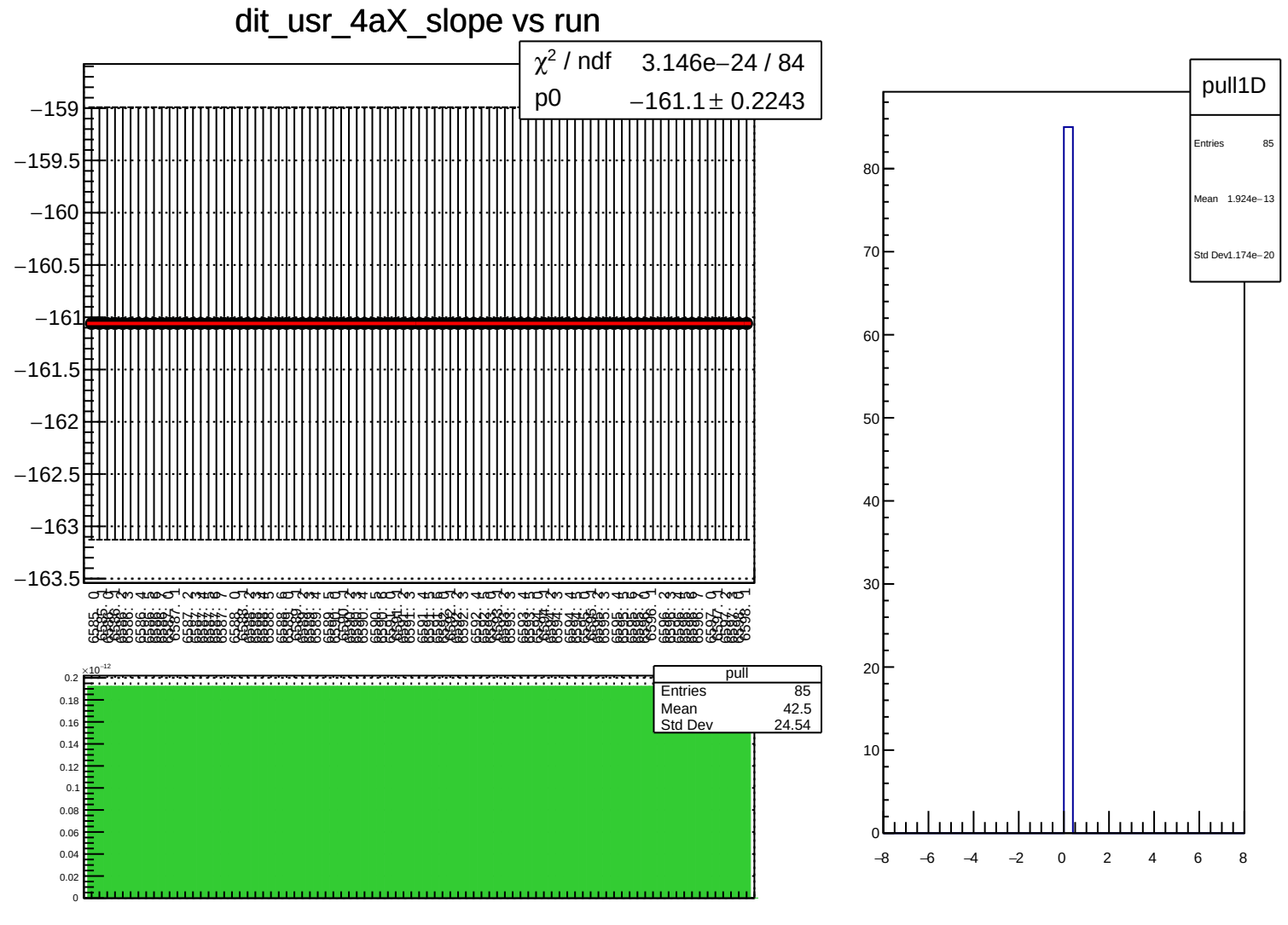

dit_usl_11X12X_slope vs run
χ² / ndf 1.96e−24 / 84
p0 −56.61 ± 0.05075
−56.2
−56.4
−56.6
−56.8
−57
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 85
Mean −1.519e−13
Std Dev1.044e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

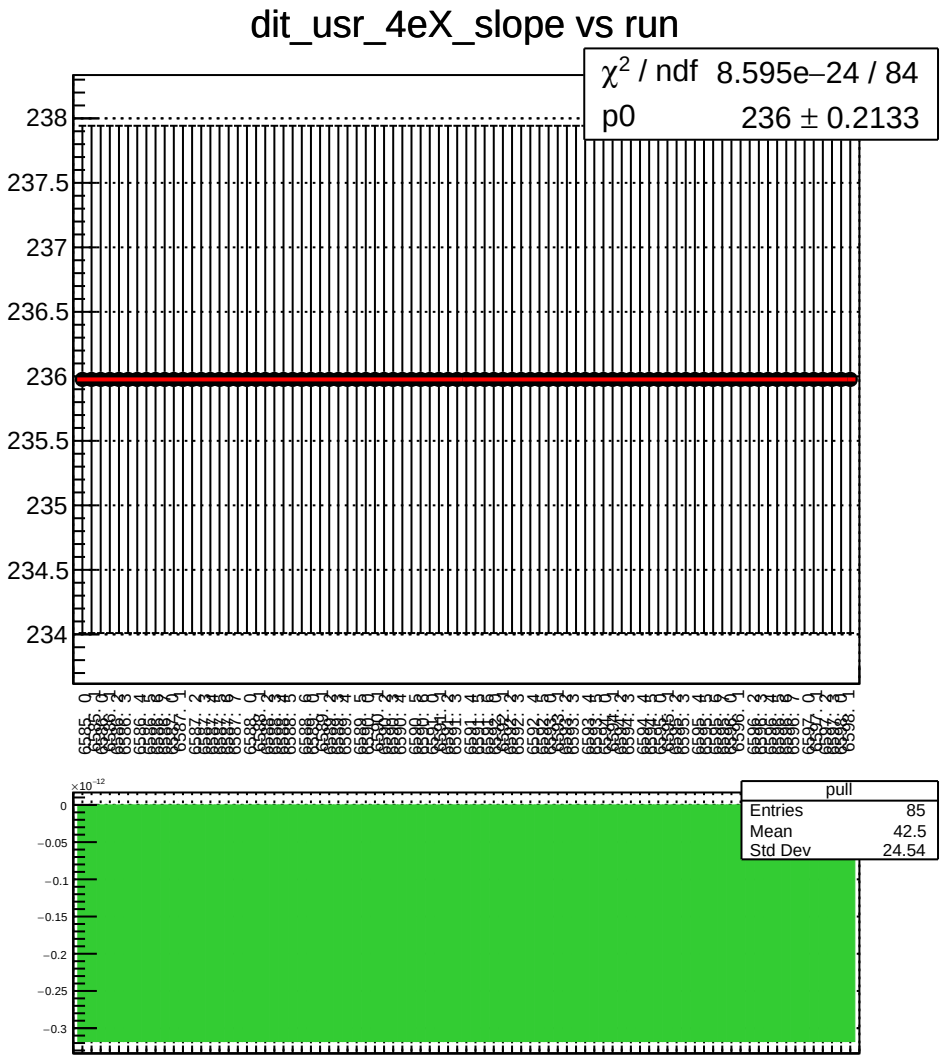

dit_usl_4aY_slope vs run
χ² / ndf 2.076e−26 / 84
p0 2.266 ± 0.02466
pull
Entries 85
Mean 42.5
Std Dev 24.54

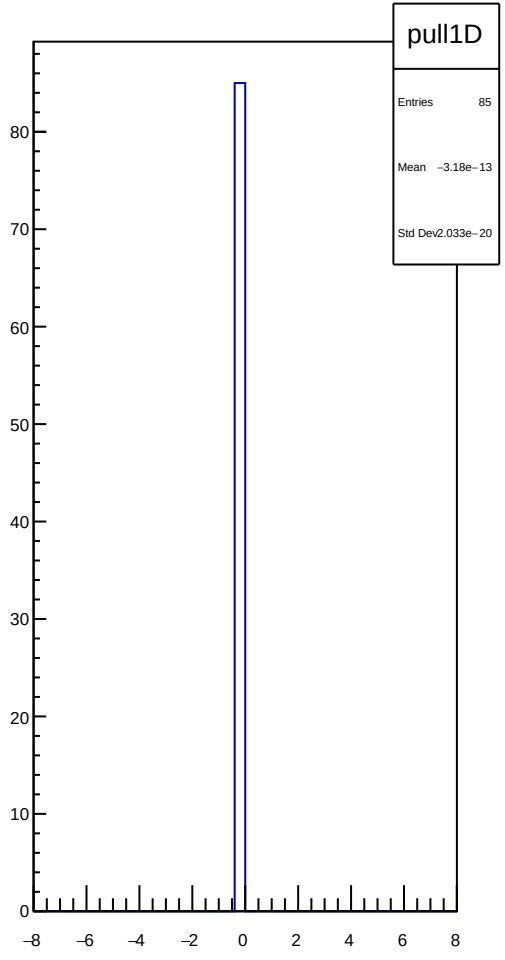

pull1D
Entries 85
Mean −1.563e−14
Std Dev7.635e−22

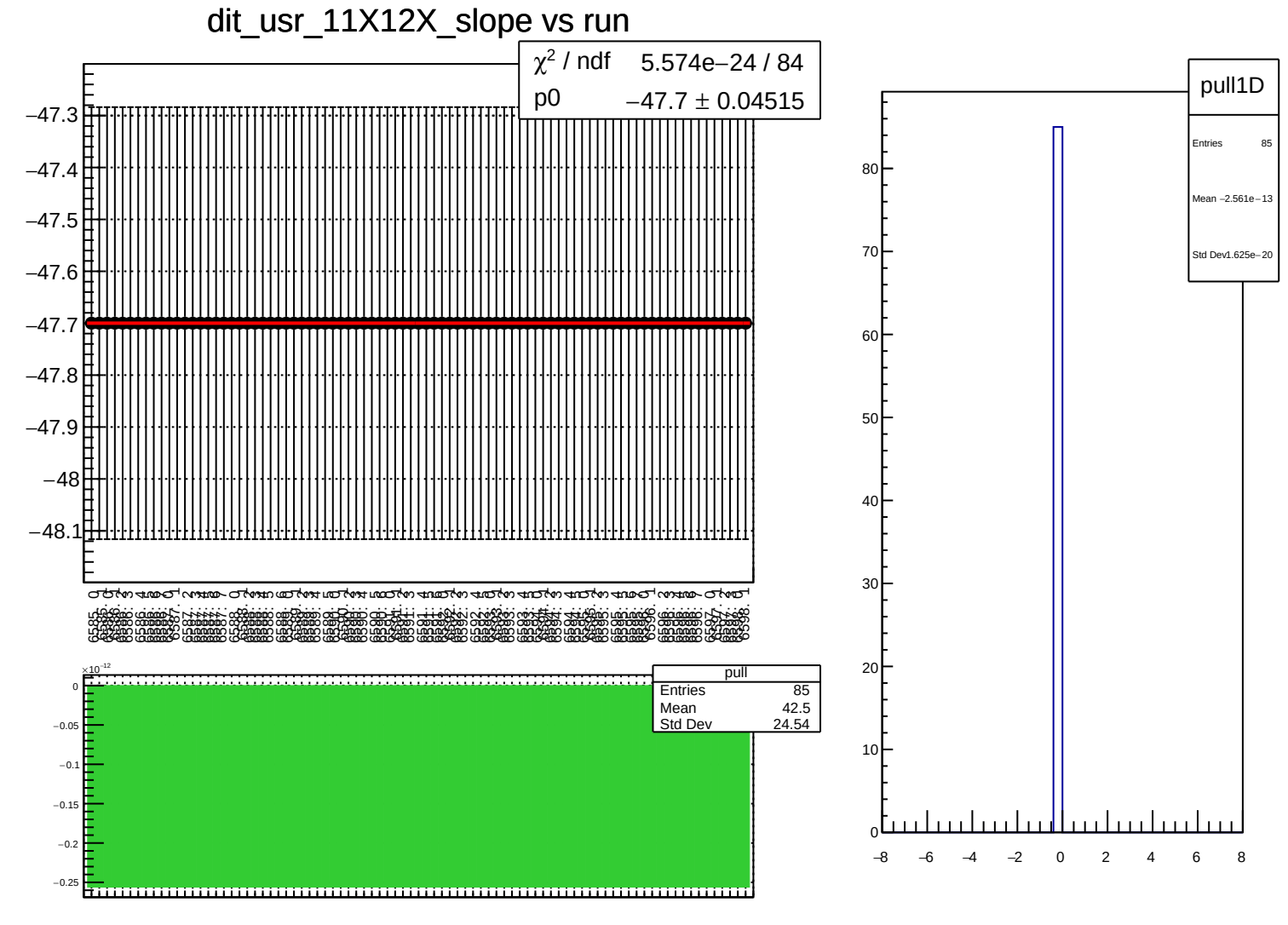

dit_usl_4eY_slope vs run
χ² / ndf 6.892e−25 / 84
p0 25.93 ± 0.0428
pull
Entries 85
Mean 42.5
Std Dev 24.54

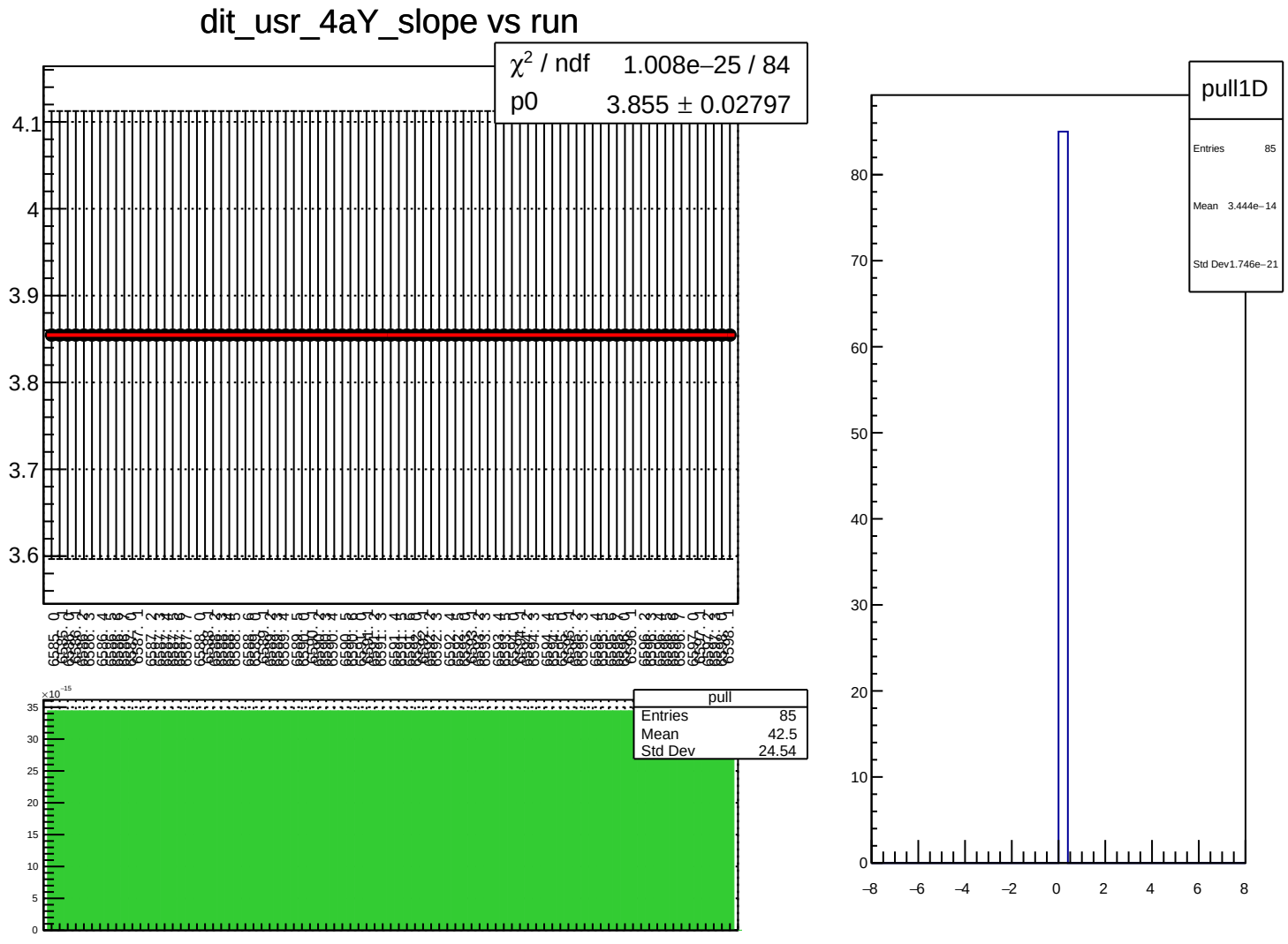

pull1D
Entries 85
Mean −9.004e−14
Std Dev2.934e−21

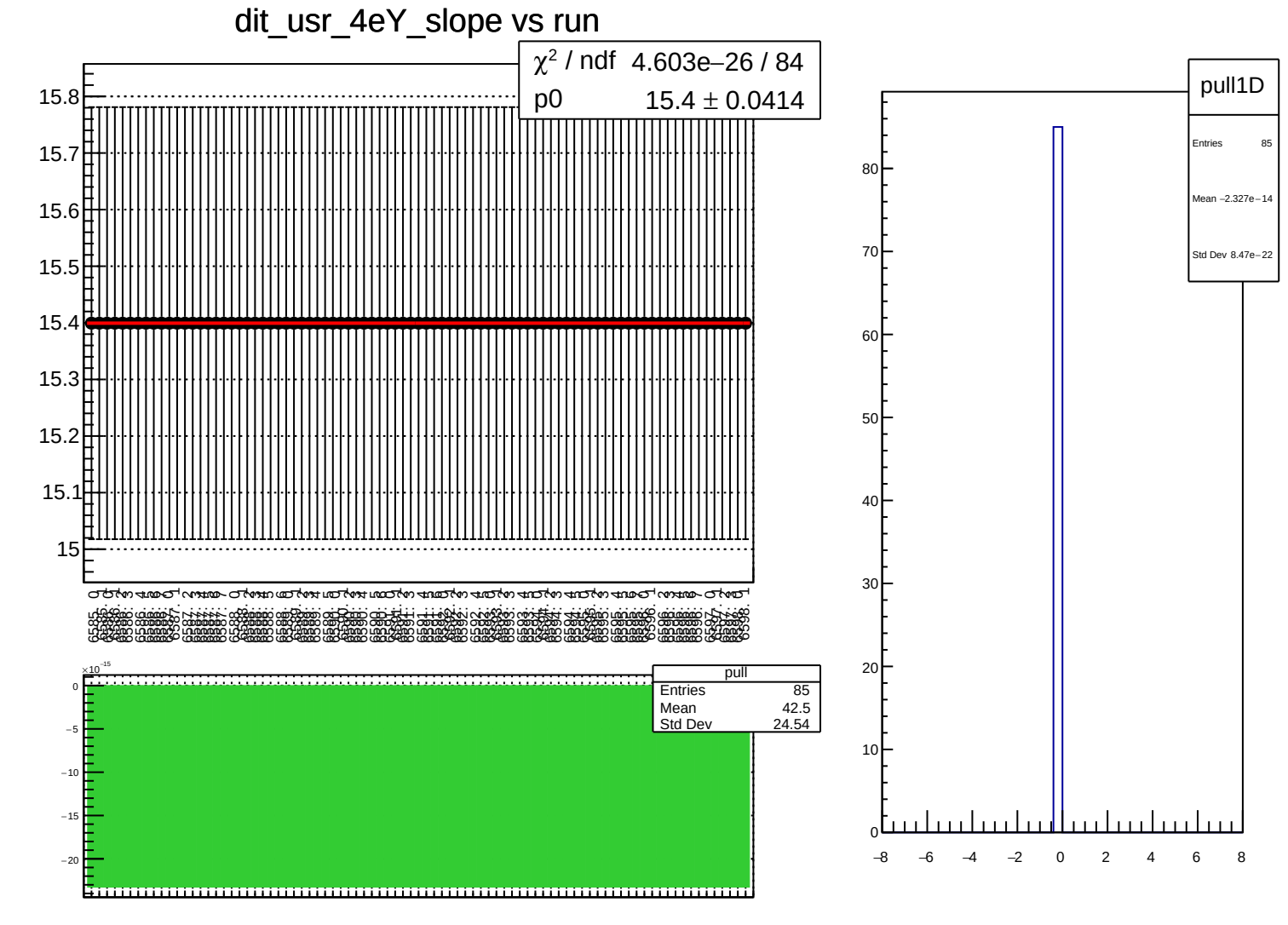

dit_usr_4aX_slope vs run
χ² / ndf 3.146e−24 / 84
p0 −161.1 ± 0.2243
−159
−159.5
−160
−160.5
−161
−161.5
−162
−162.5
−163
−163.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 85
Mean 1.924e−13
Std Dev1.174e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

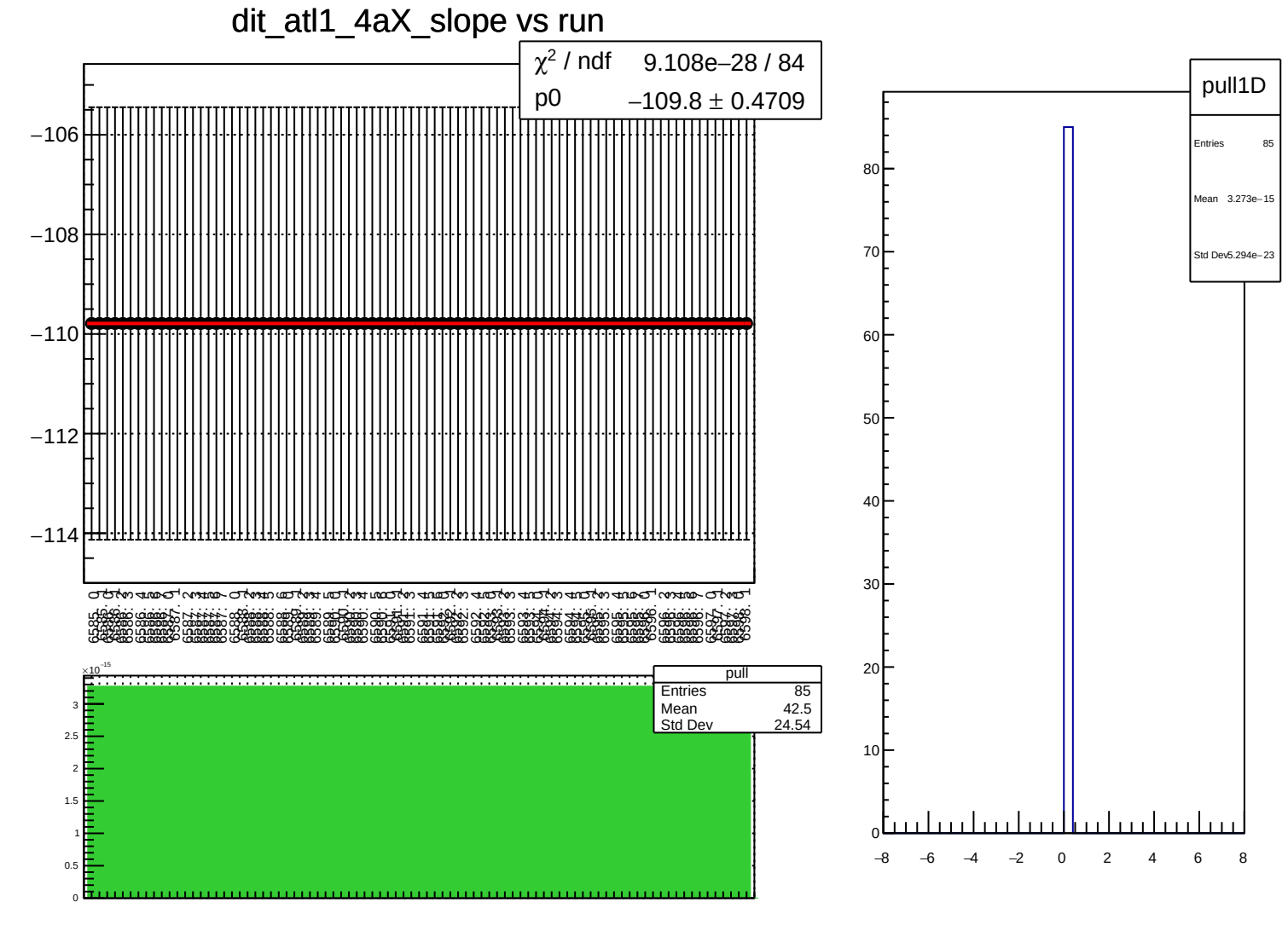

dit_usr_4eX_slope vs run
χ² / ndf 8.595e−24 / 84
p0 236 ± 0.2133
238
237.5
237
236.5
236
235.5
235
234.5
234
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3

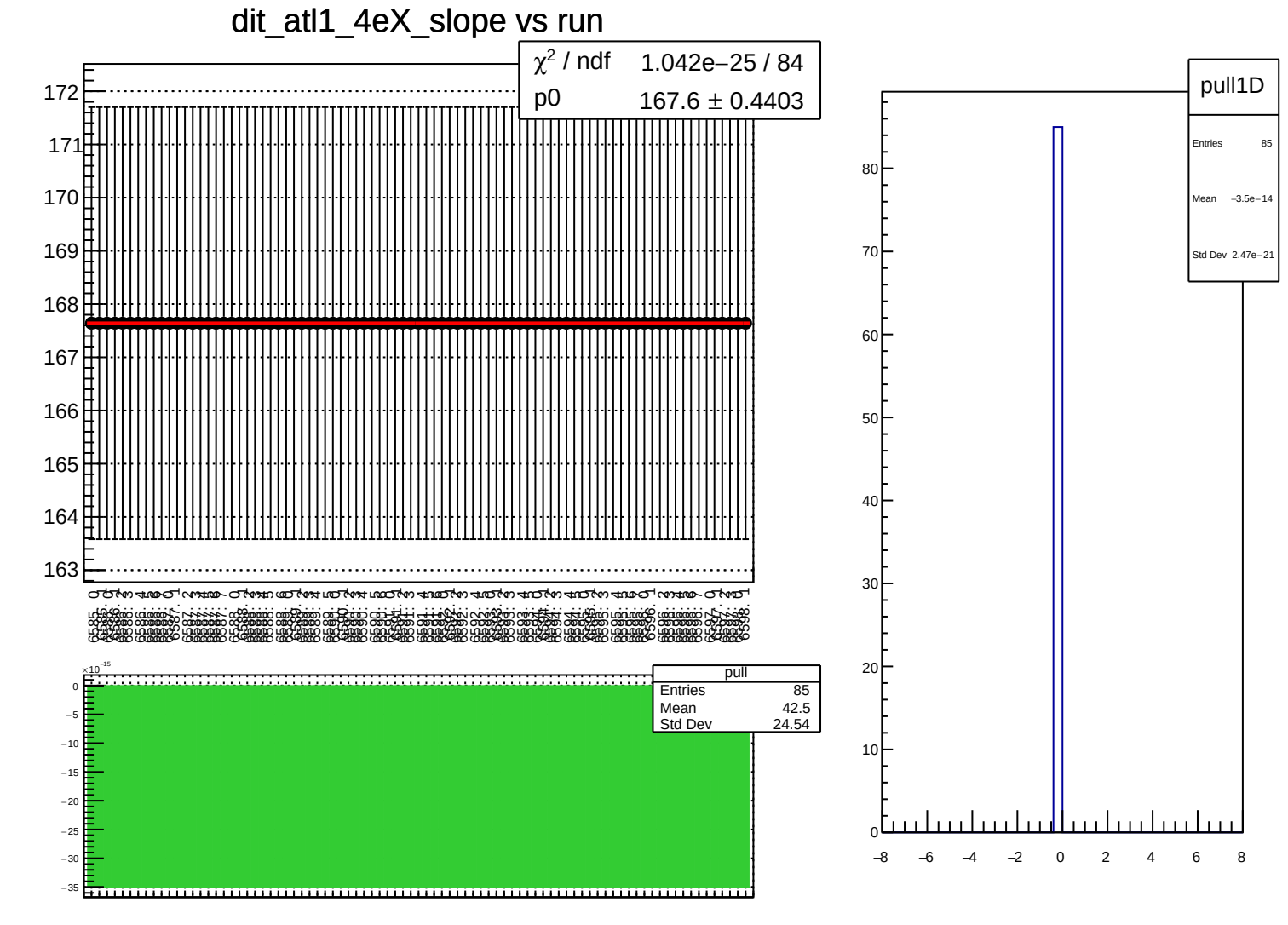

pull1D
Entries 85
Mean −3.18e−13
Std Dev 2.033e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

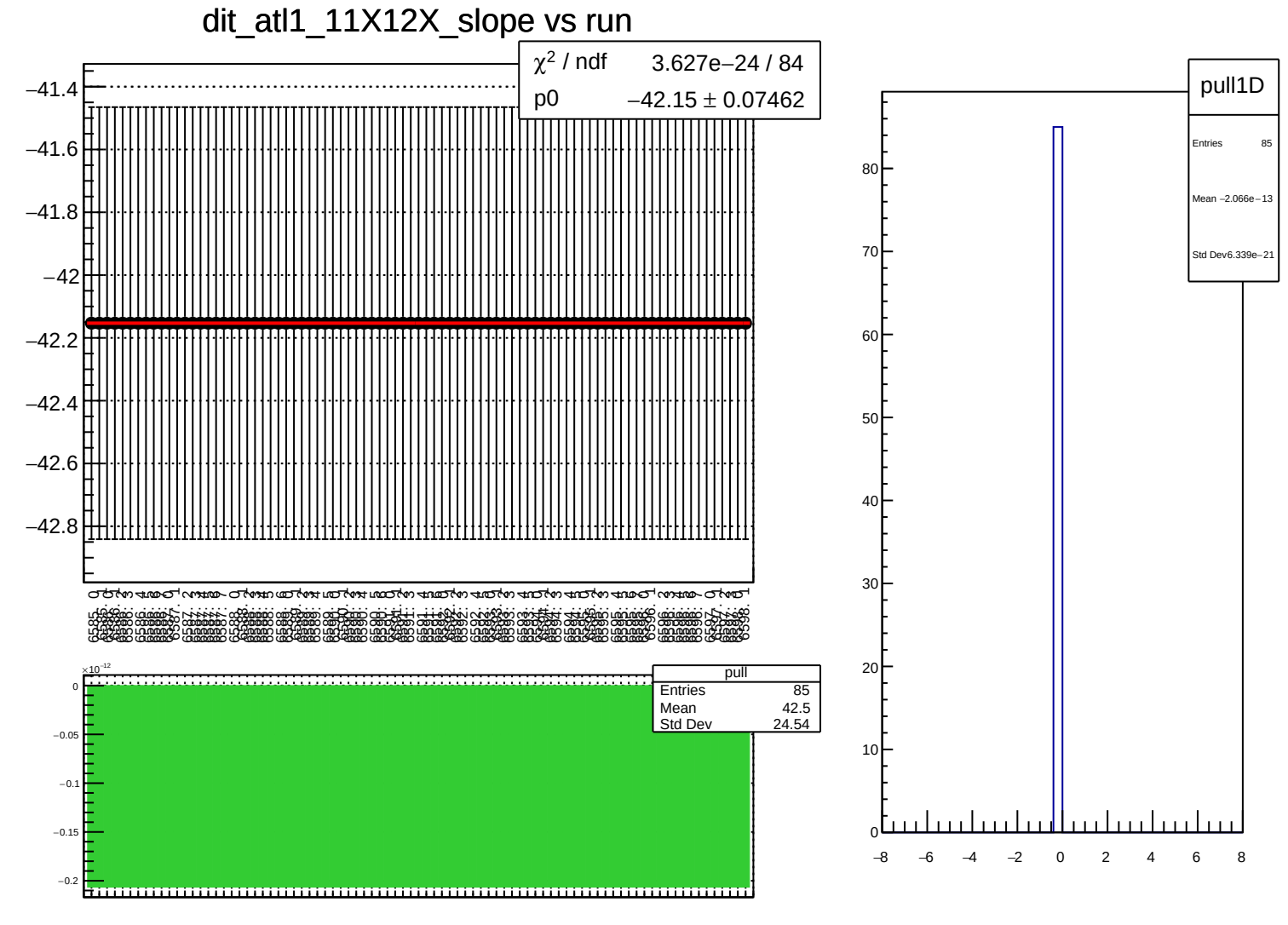

dit_usr_11X12X_slope vs run
χ² / ndf 5.574e−24 / 84
p0 −47.7 ± 0.04515
−47.3
−47.4
−47.5
−47.6
−47.7
−47.8
−47.9
−48
−48.1
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 85
Mean −2.561e−13
Std Dev1.625e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

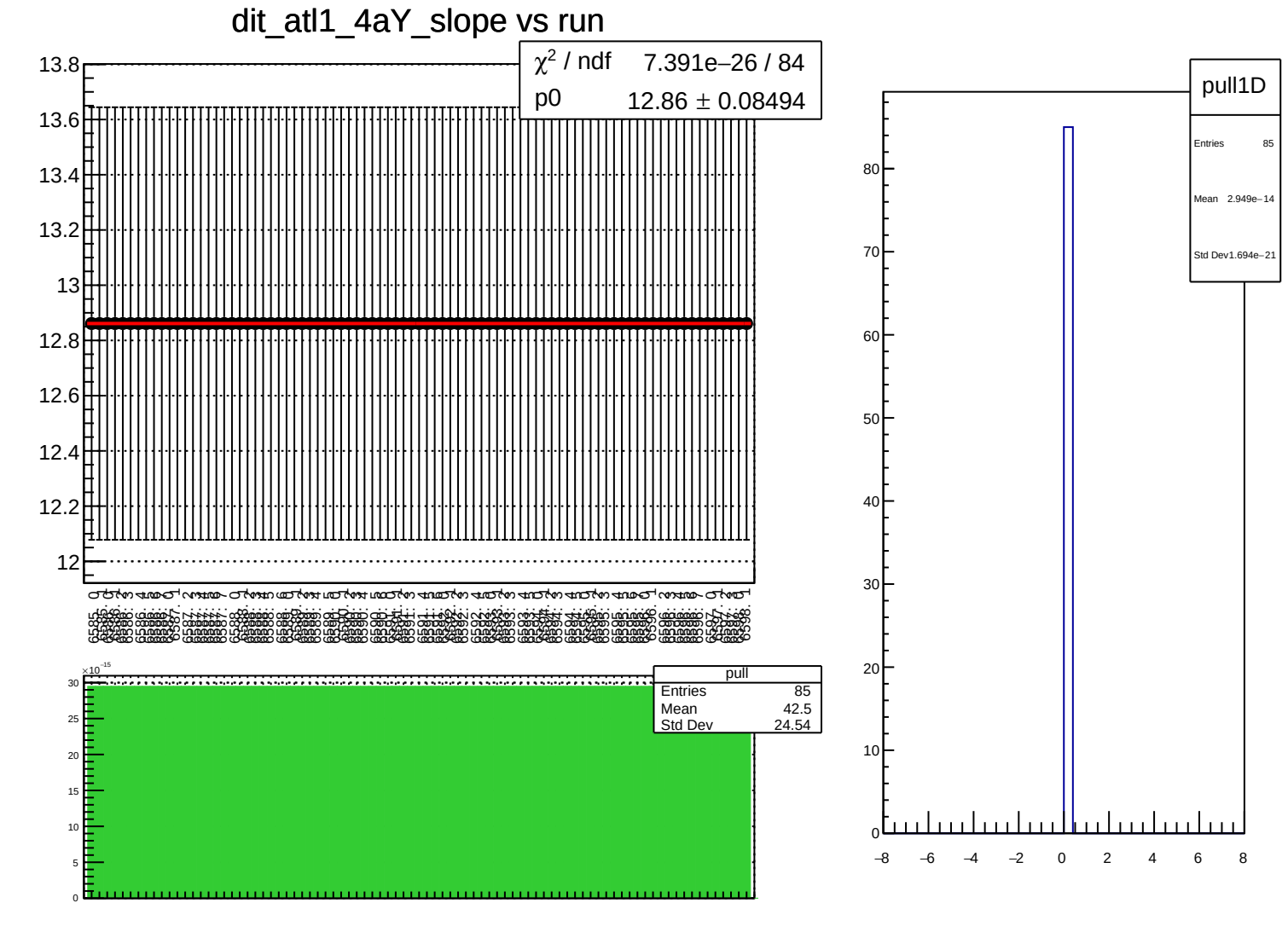

dit_usr_4aY_slope vs run
χ² / ndf 1.008e−25 / 84
p0 3.855 ± 0.02797
4.1
4
3.9
3.8
3.7
3.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 85
Mean 3.444e−14
Std Dev1.746e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

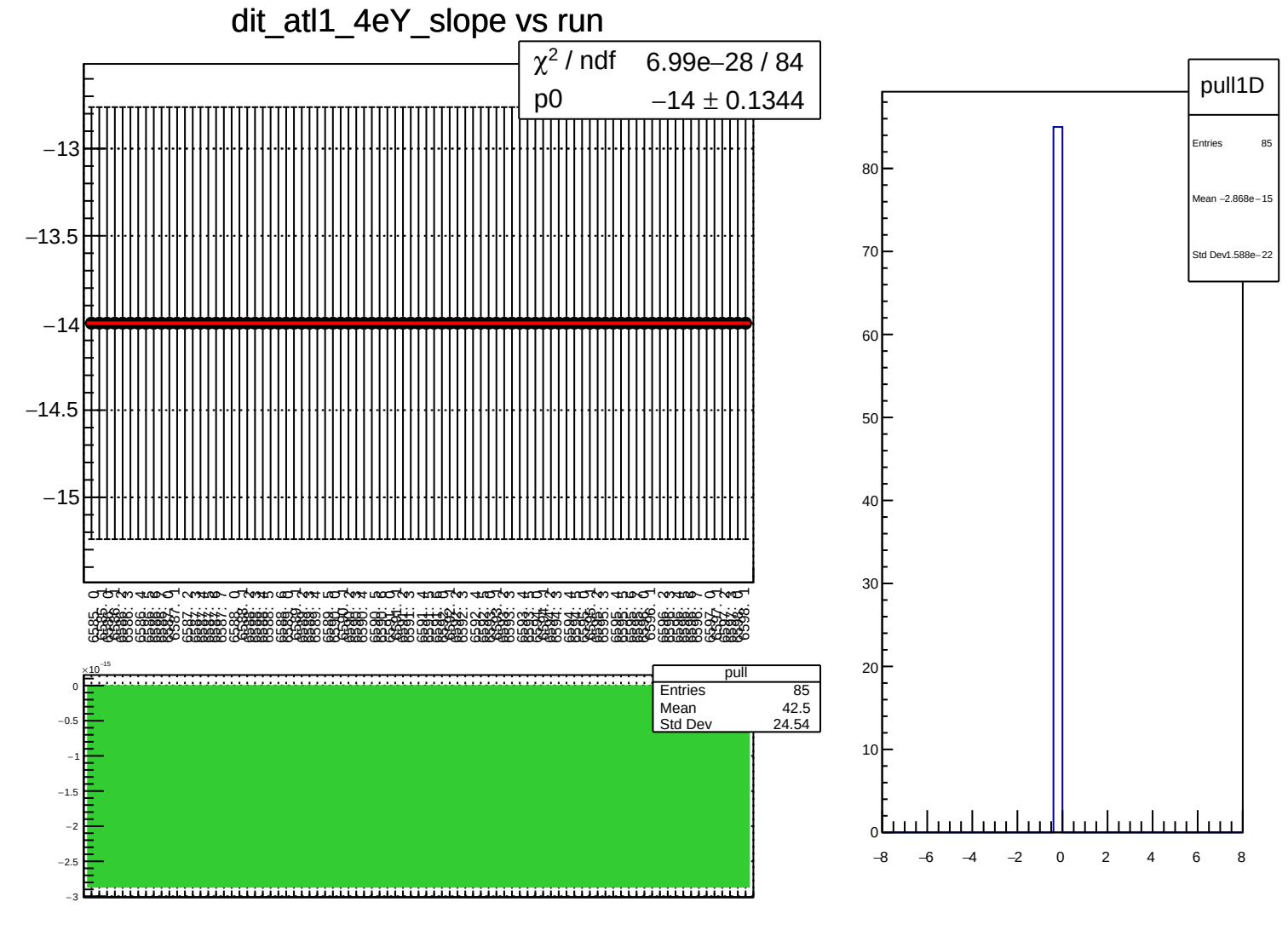

dit_usr_4eY_slope vs run
χ² / ndf 4.603e−26 / 84
p0 15.4 ± 0.0414
15.8
15.7
15.6
15.5
15.4
15.3
15.2
15.1
15
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 85
Mean −2.327e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

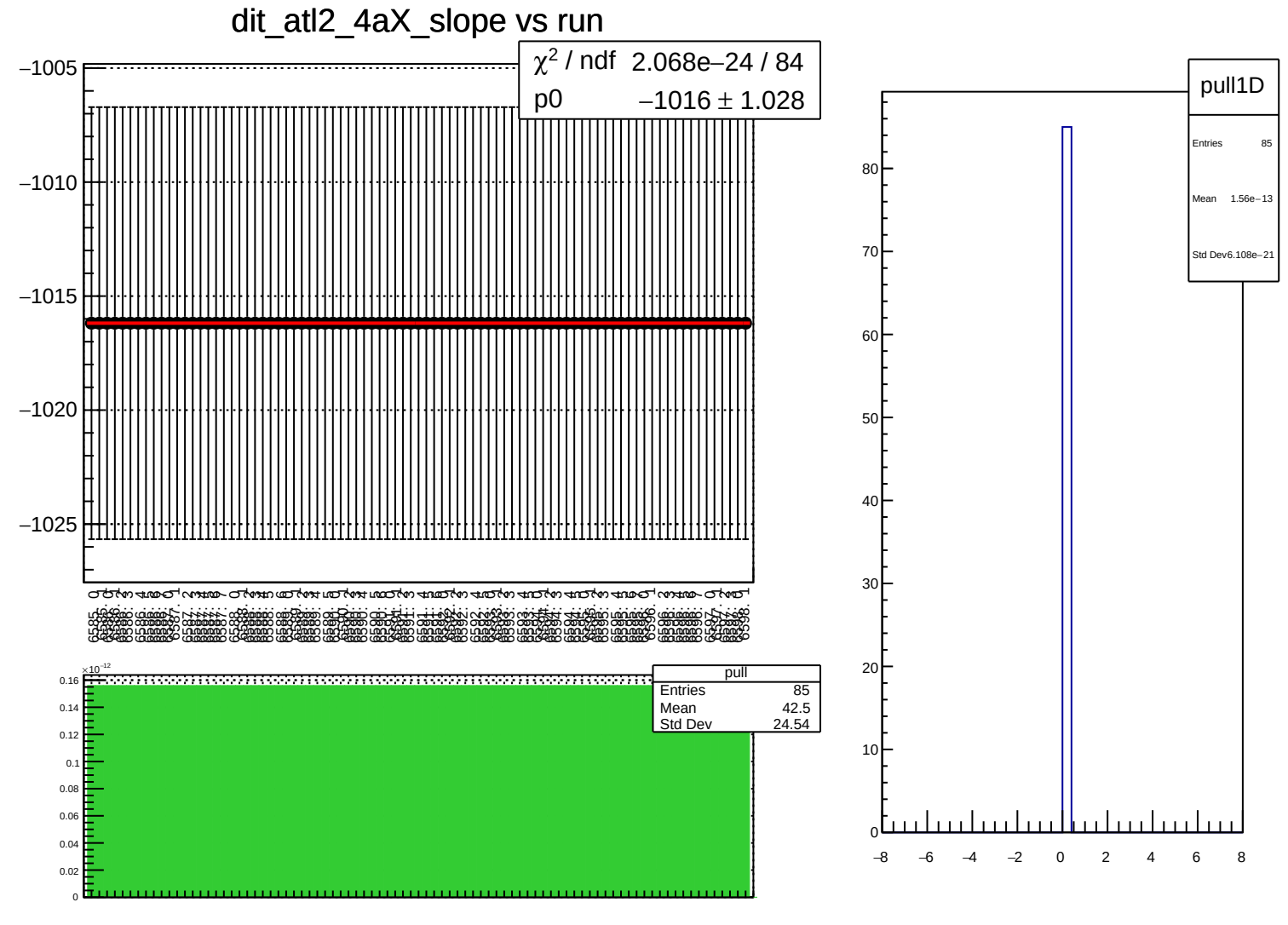

dit_atl1_4aX_slope vs run
χ² / ndf 9.108e−28 / 84
p0 −109.8 ± 0.4709
−106
−108
−110
−112
−114
×10⁻¹⁵
3
2.5
2
1.5
1
0.5
0
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 3.273e−15
Std Dev 5.294e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

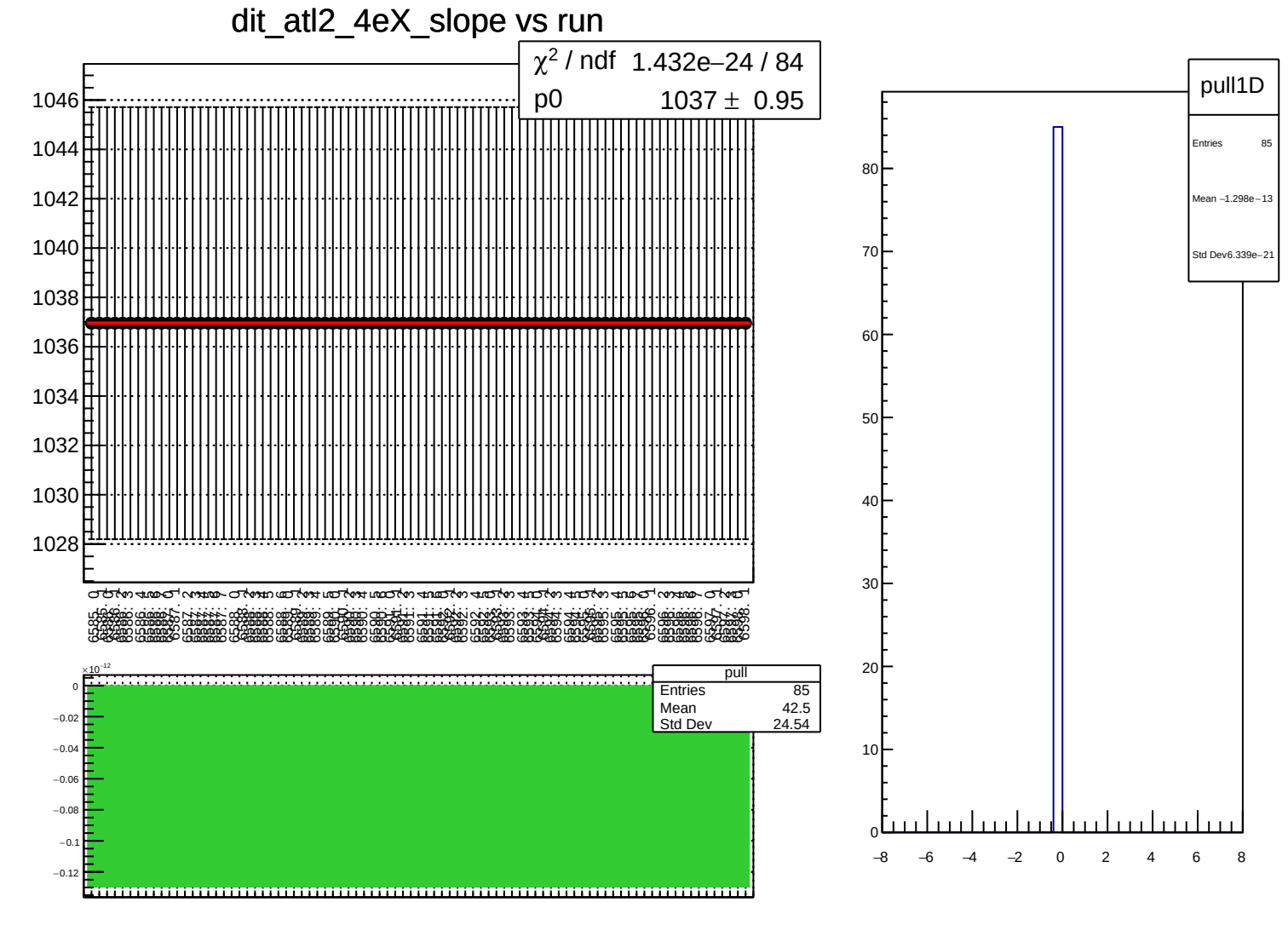

dit_atl1_4eX_slope vs run
χ² / ndf 1.042e−25 / 84
p0 167.6 ± 0.4403
172
171
170
169
168
167
166
165
164
163
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 85
Mean −3.5e−14
Std Dev 2.47e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

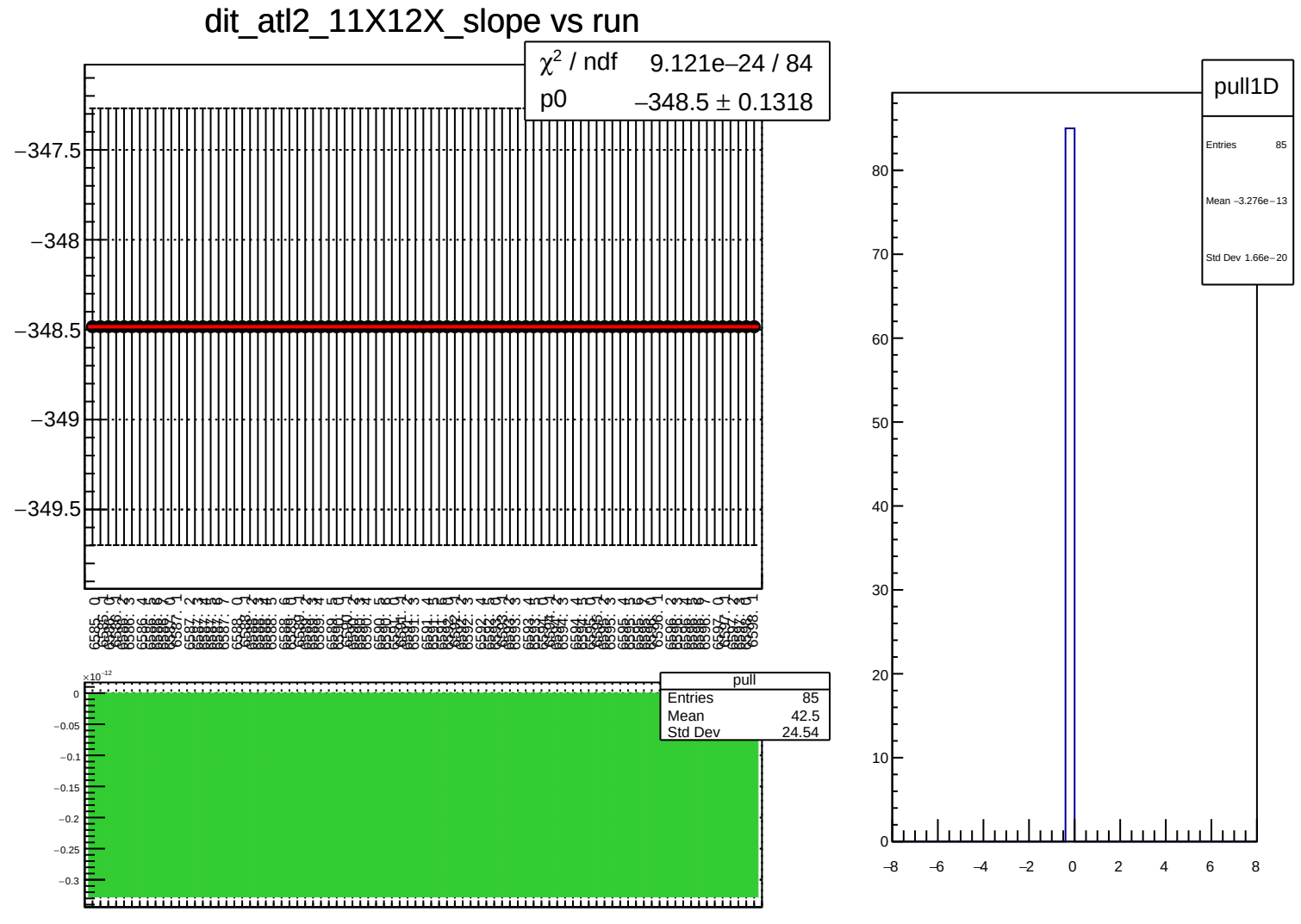

dit_atl1_11X12X_slope vs run
χ² / ndf 3.627e−24 / 84
p0 −42.15 ± 0.07462
−41.4
−41.6
−41.8
−42
−42.2
−42.4
−42.6
−42.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
pull1D
Entries 85
Mean −2.066e−13
Std Dev6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

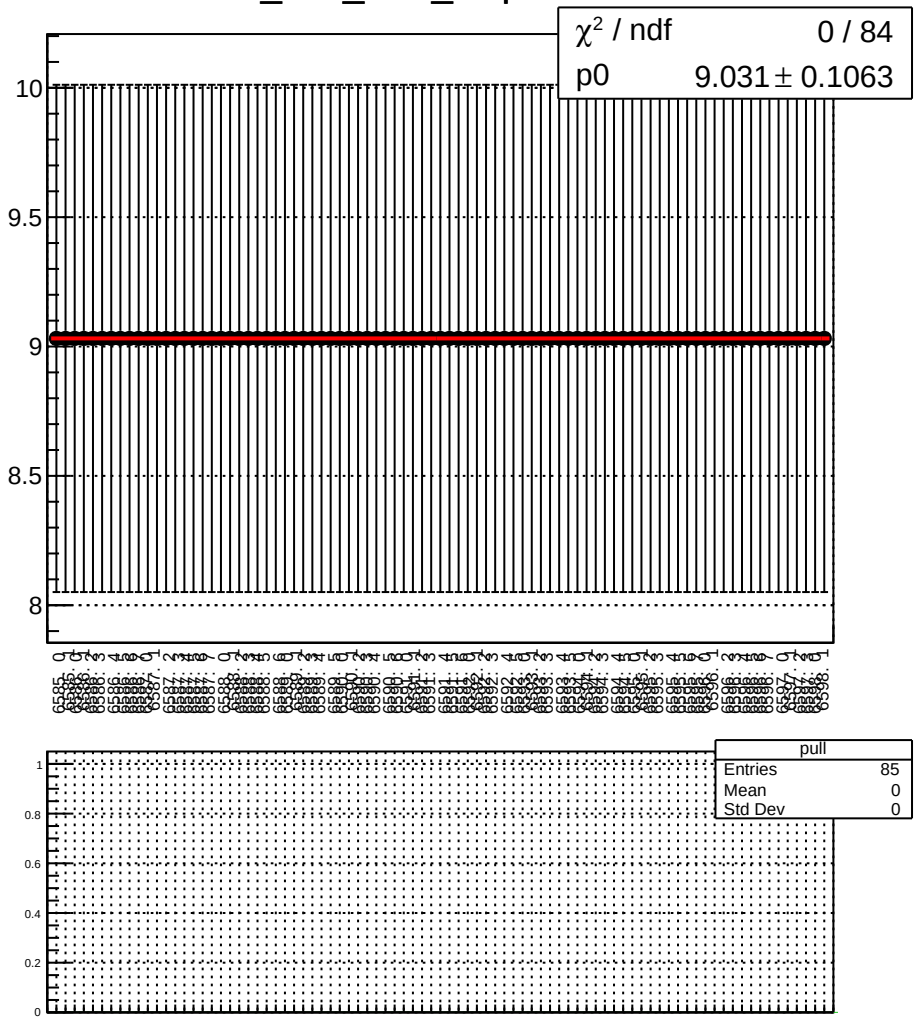

dit_atl1_4aY_slope vs run
χ² / ndf 7.391e−26 / 84
p0 12.86 ± 0.08494
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 2.949e−14
Std Dev1.694e−21

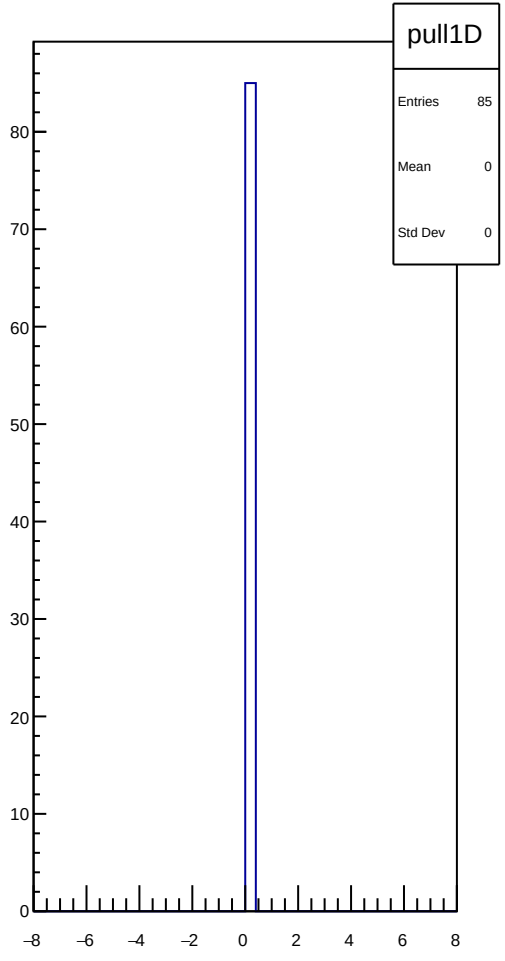

dit_atl1_4eY_slope vs run
χ² / ndf 6.99e−28 / 84
p0 −14 ± 0.1344
−13
−13.5
−14
−14.5
−15
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 85
Mean −2.868e−15
Std Dev1.588e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

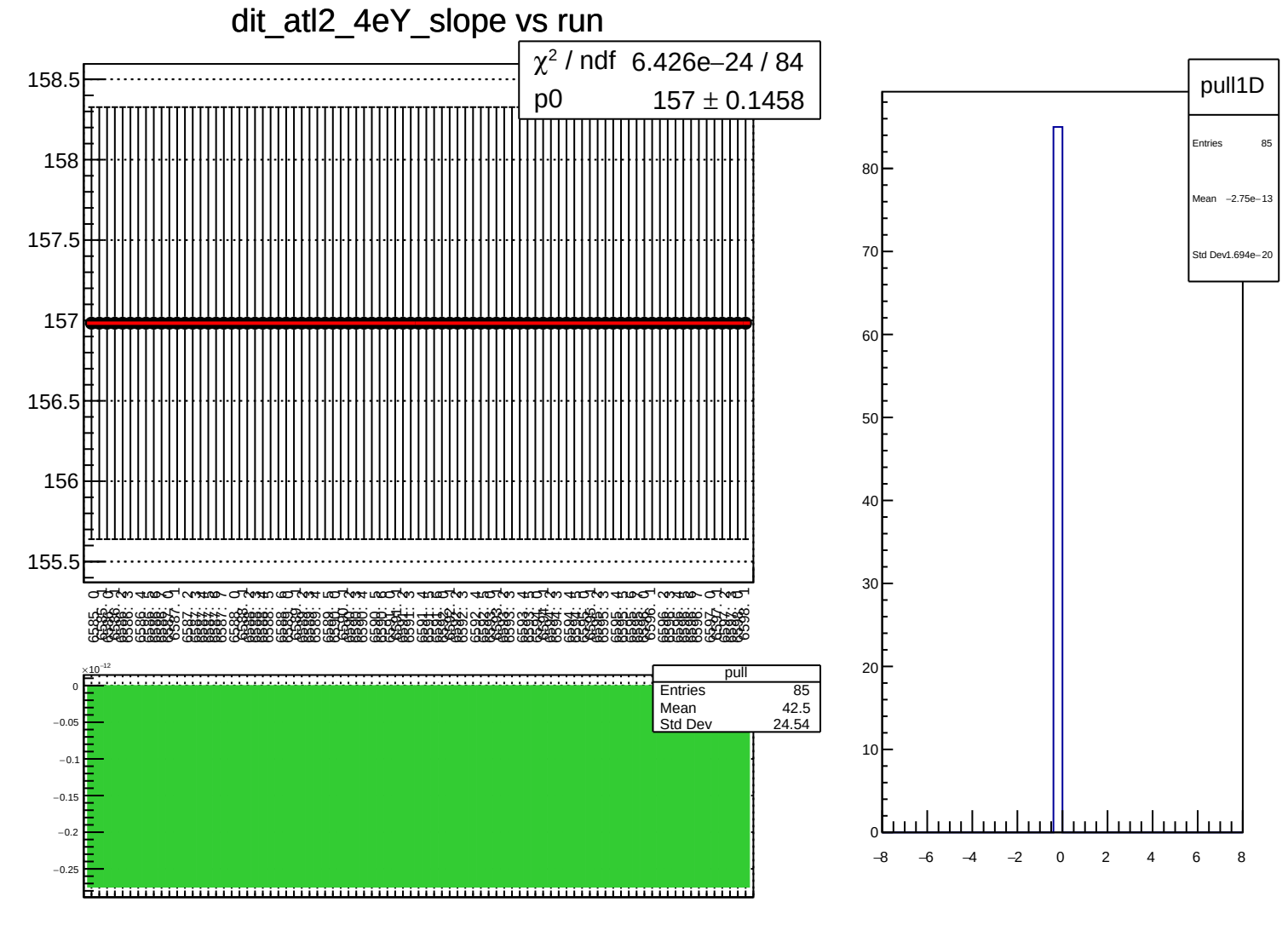

dit_atl2_4aX_slope vs run
χ^2 / ndf 2.068e−24 / 84
p0 −1016 ± 1.028
−1005
−1010
−1015
−1020
−1025
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 85
Mean 1.56e−13
Std Dev6.108e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

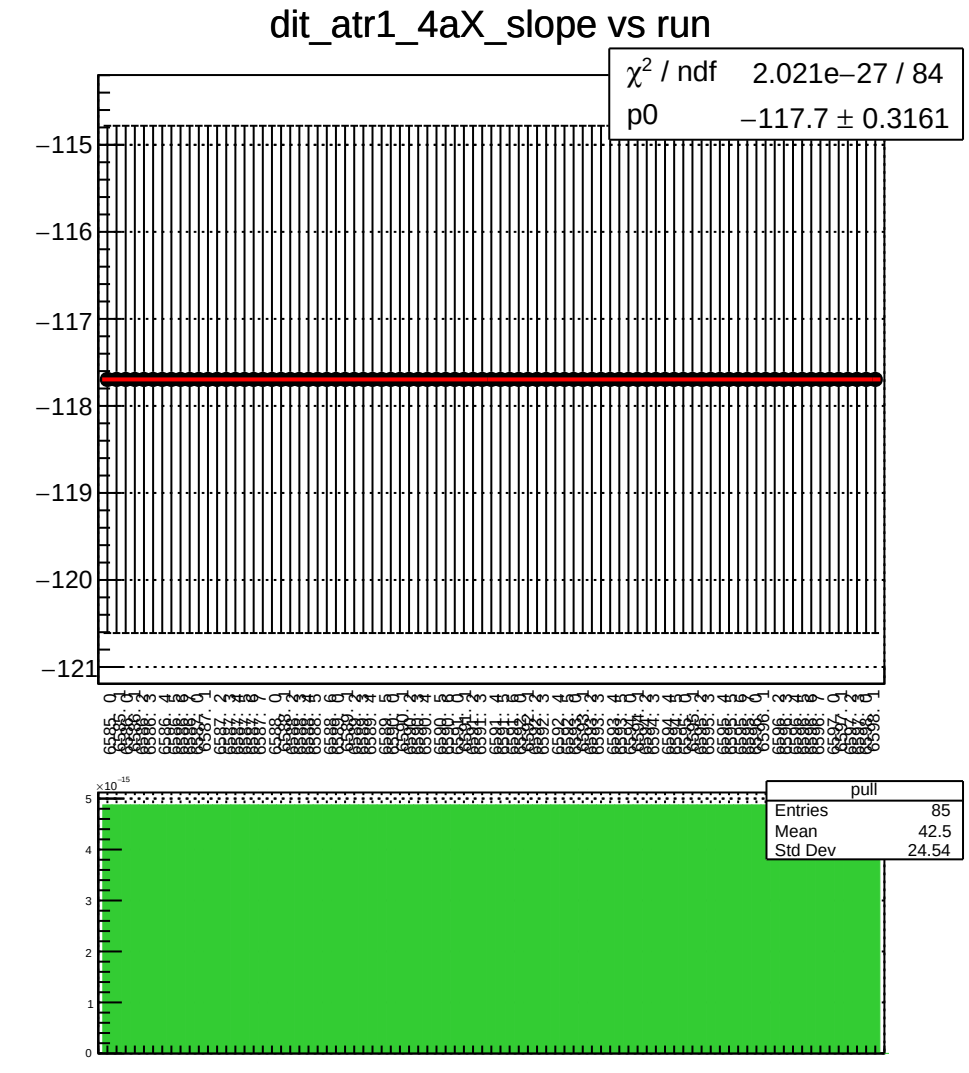

dit_atl2_4eX_slope vs run
χ² / ndf 1.432e−24 / 84
p0 1037 ± 0.95
1046
1044
1042
1040
1038
1036
1034
1032
1030
1028
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull1D
Entries 85
Mean −1.298e−13
Std Dev6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

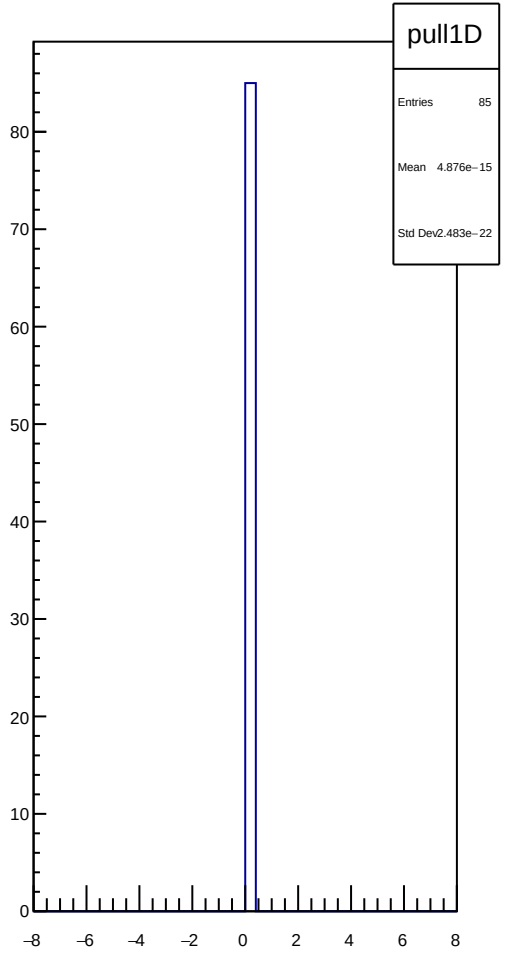

dit_atl2_11X12X_slope vs run
χ² / ndf 9.121e−24 / 84
p0 −348.5 ± 0.1318
−347.5
−348
−348.5
−349
−349.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 85
Mean −3.276e−13
Std Dev 1.66e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

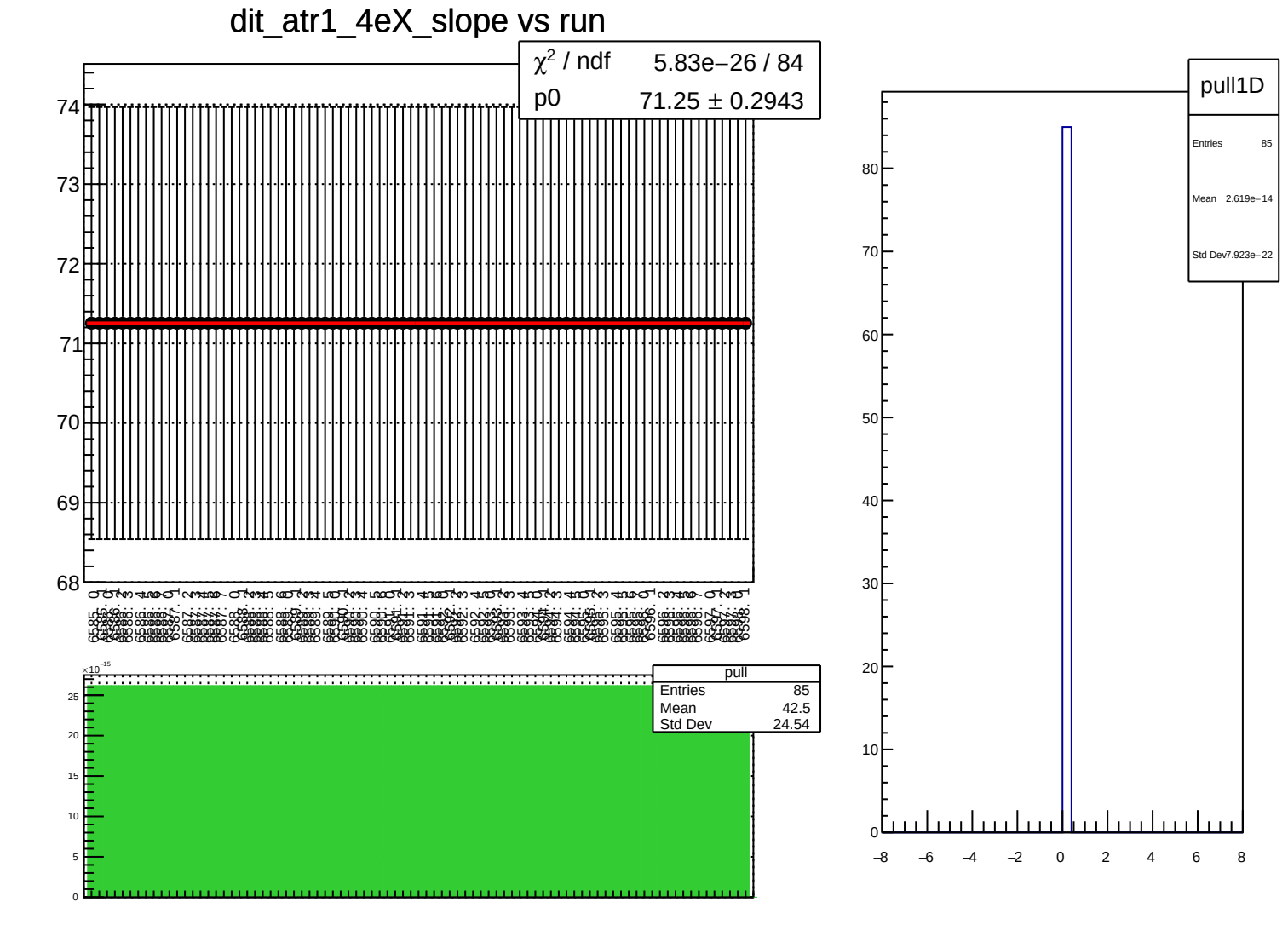

dit_atl2_4aY_slope vs run
χ^2 / ndf 0 / 84
p0 9.031 ± 0.1063
pull
Entries 85
Mean 0
Std Dev 0

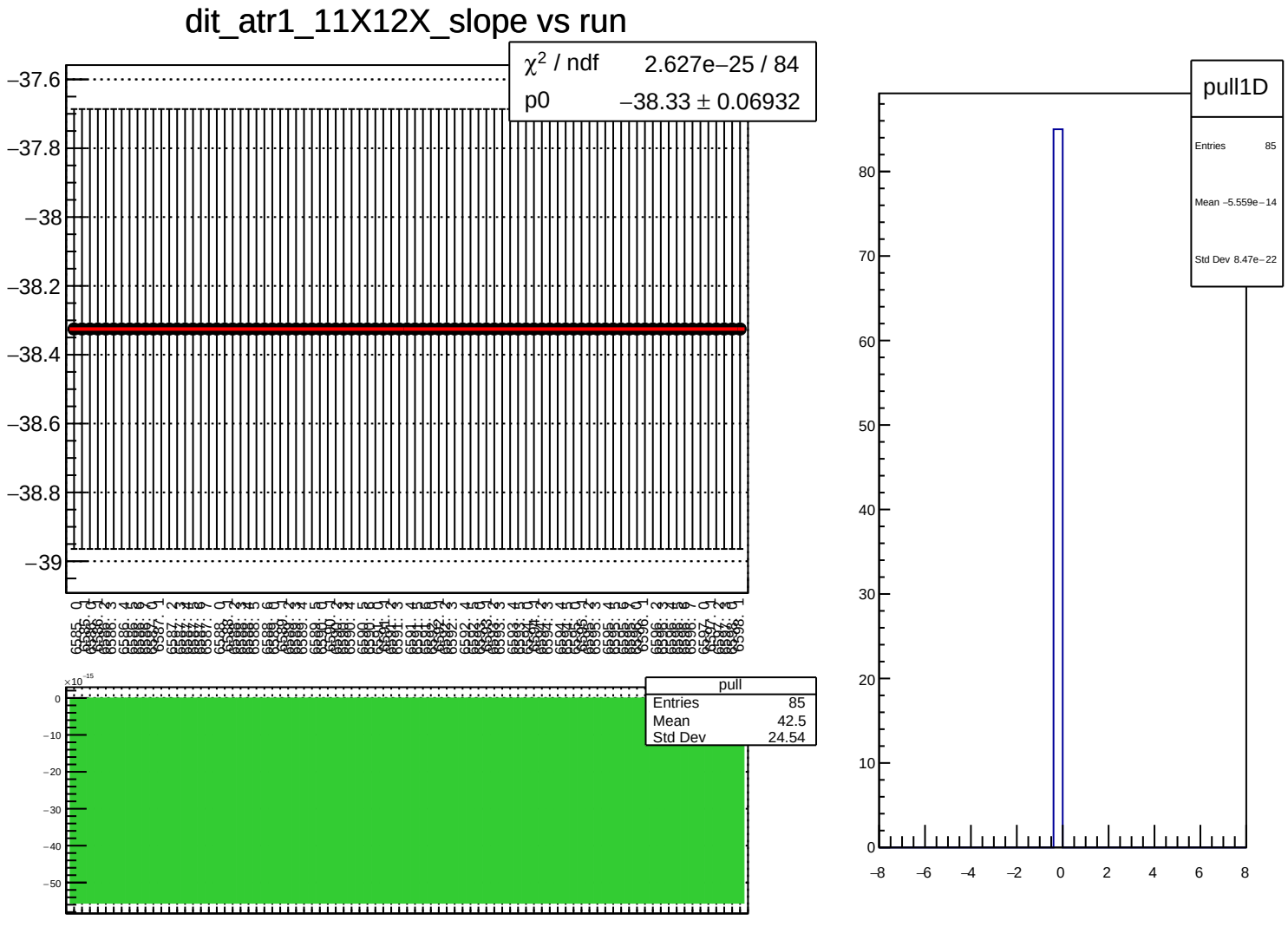

pull1D
Entries 85
Mean 0
Std Dev 0

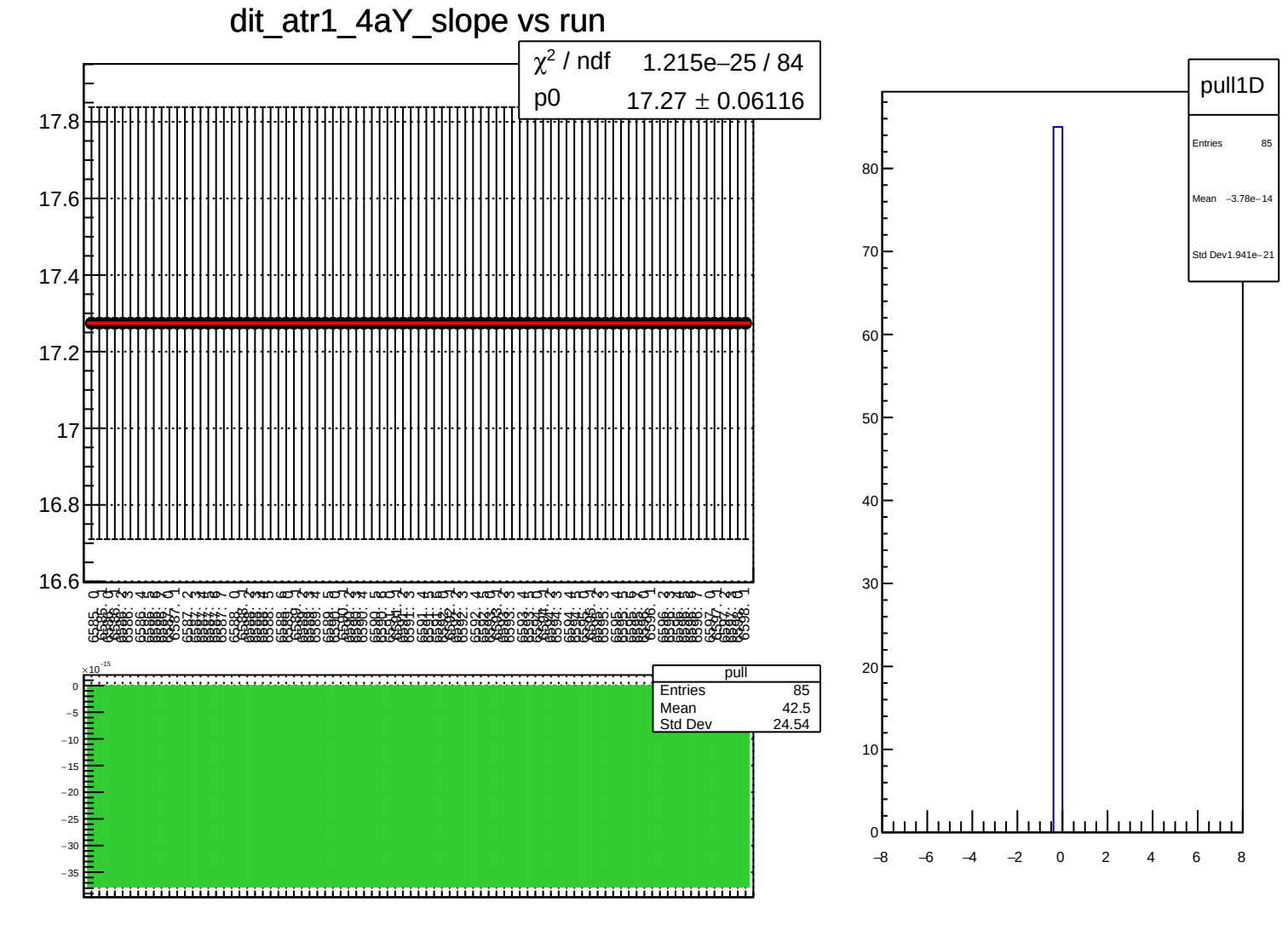

dit_atl2_4eY_slope vs run
χ² / ndf 6.426e−24 / 84
p0 157 ± 0.1458
158.5
158
157.5
157
156.5
156
155.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
pull1D
Entries 85
Mean −2.75e−13
Std Dev1.694e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

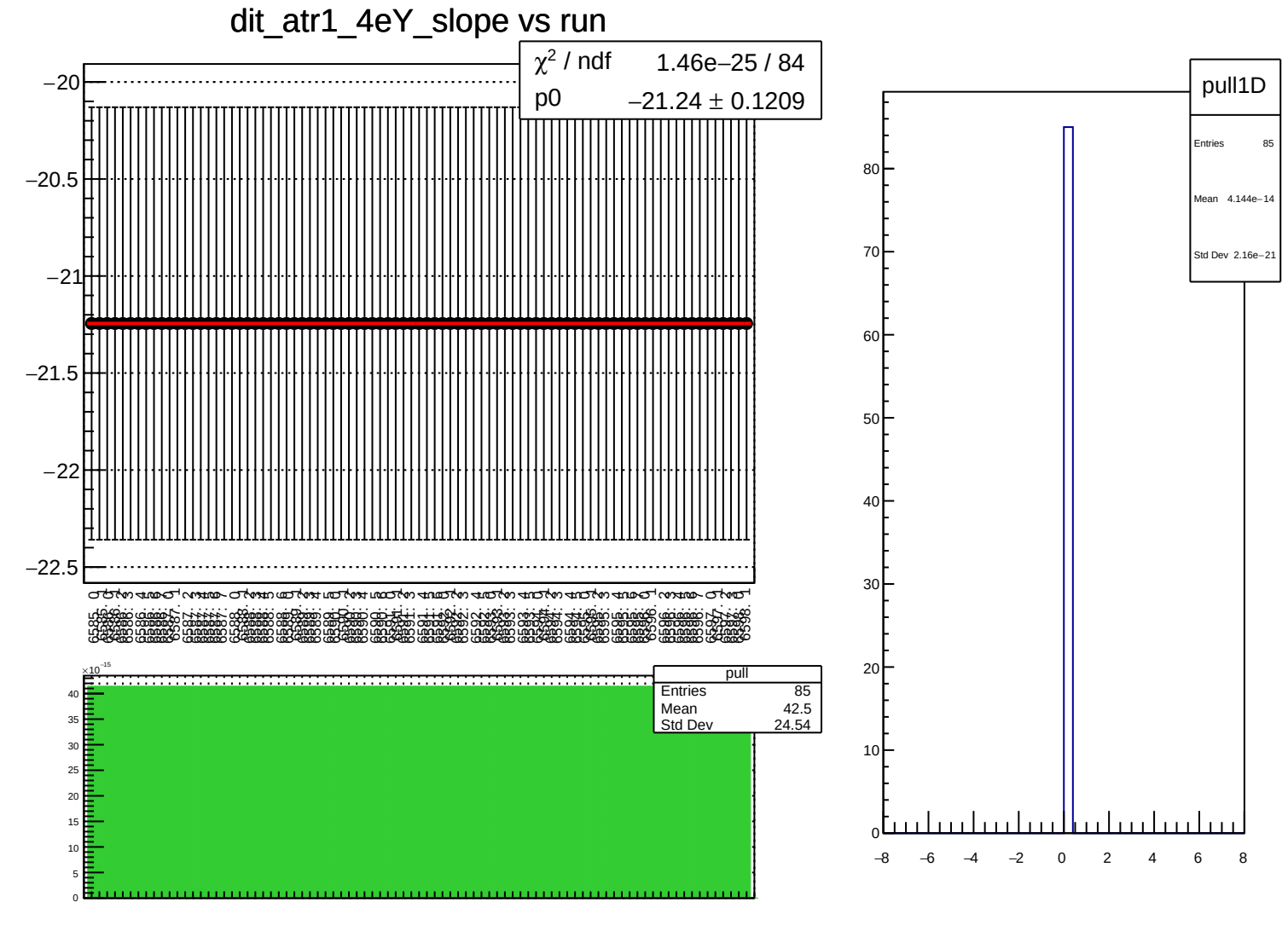

dit_atr1_4aX_slope vs run
χ² / ndf 2.021e−27 / 84
p0 −117.7 ± 0.3161
−115
−116
−117
−118
−119
−120
−121
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
5
4
3
2
1
0

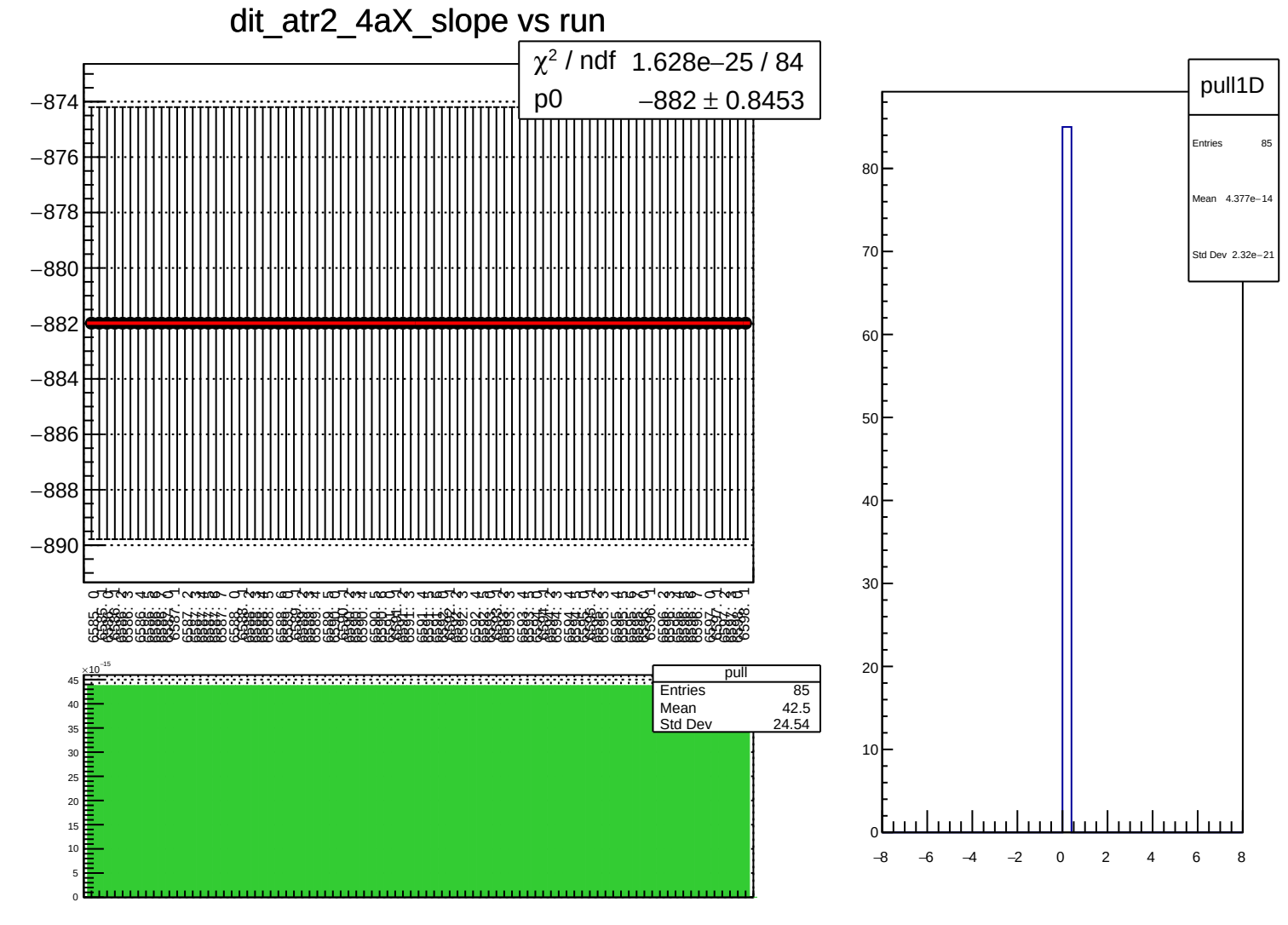

pull1D
Entries 85
Mean 4.876e−15
Std Dev 2.483e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

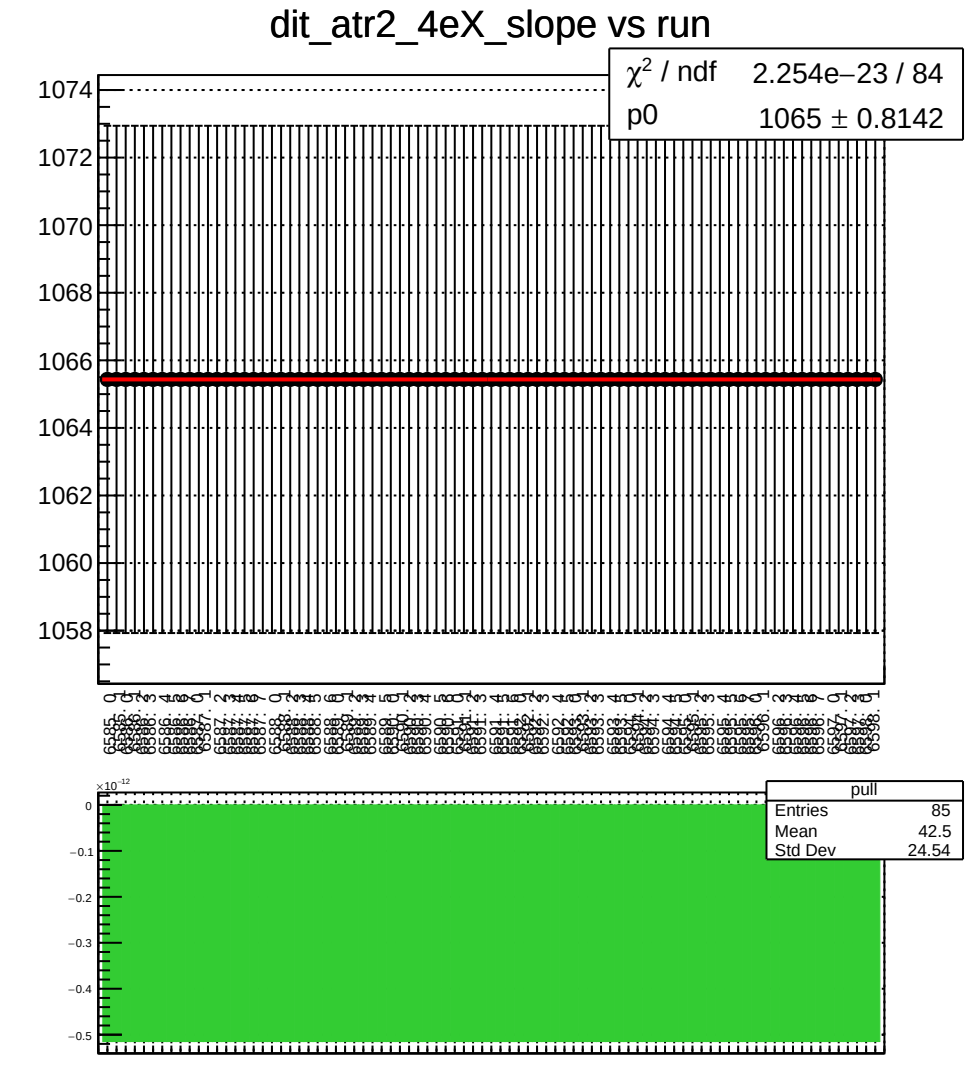

dit_atr1_4eX_slope vs run
χ^2 / ndf 5.83e−26 / 84
p0 71.25 ± 0.2943
74
73
72
71
70
69
68
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
25
20
15
10
5
0
pull1D
Entries 85
Mean 2.619e−14
Std Dev7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

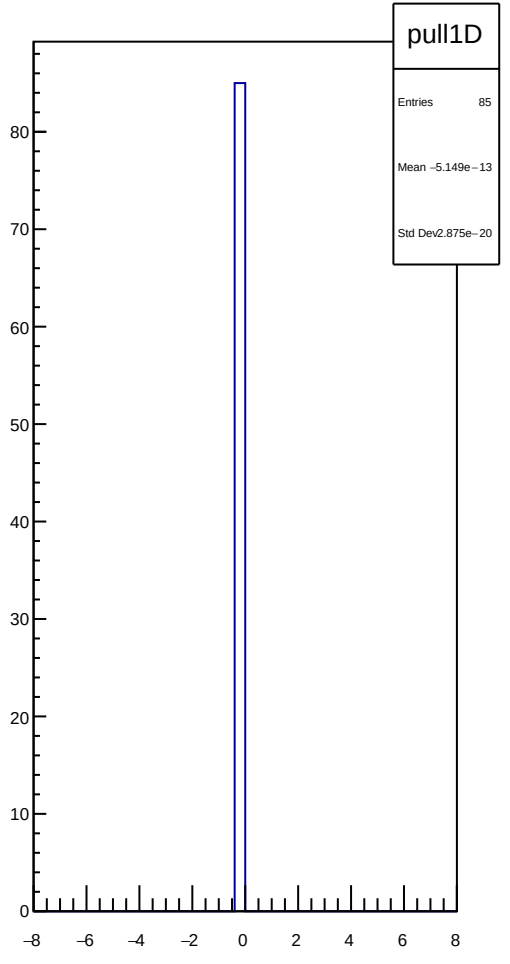

dit_atr1_11X12X_slope vs run
χ² / ndf 2.627e−25 / 84
p0 −38.33 ± 0.06932
−37.6
−37.8
−38
−38.2
−38.4
−38.6
−38.8
−39
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 85
Mean −5.559e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

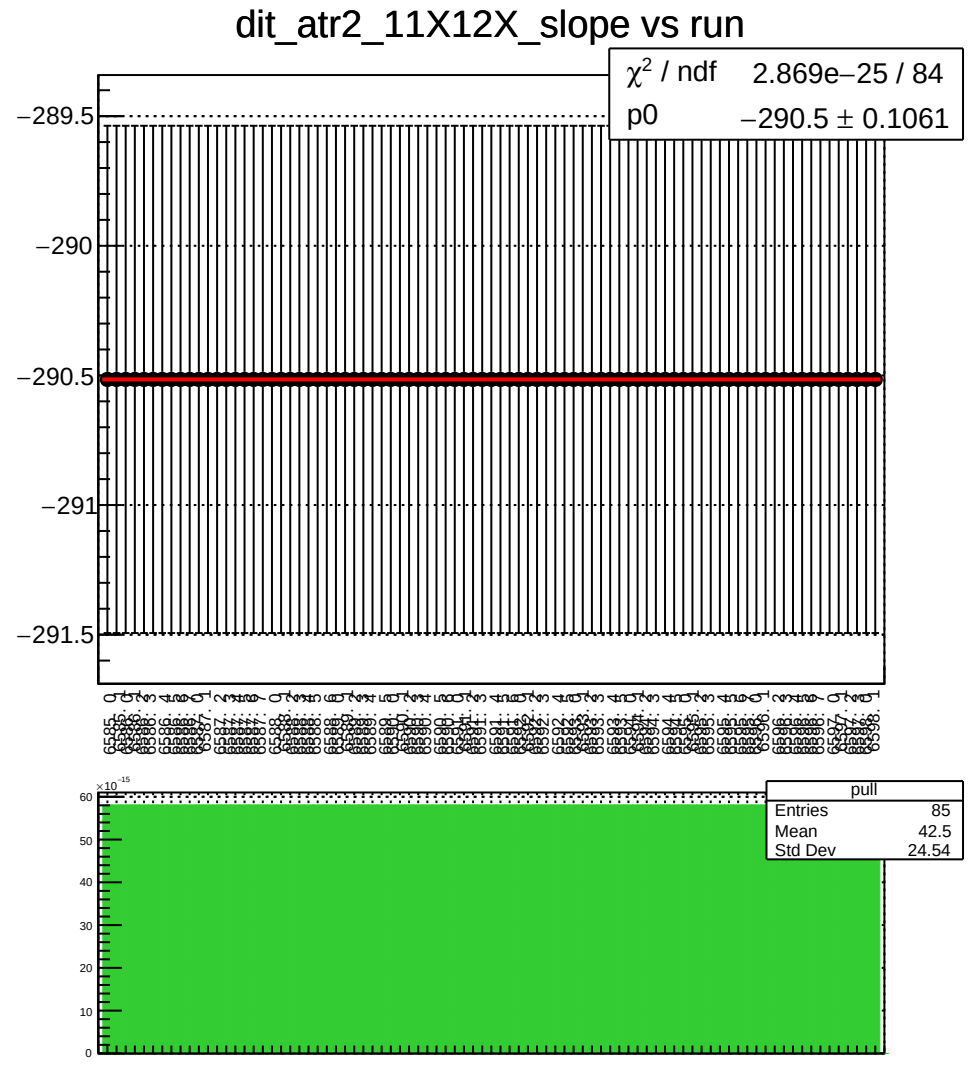

dit_atr1_4aY_slope vs run
χ² / ndf 1.215e−25 / 84
p0 17.27 ± 0.06116
17.8
17.6
17.4
17.2
17
16.8
16.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 85
Mean −3.78e−14
Std Dev1.941e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

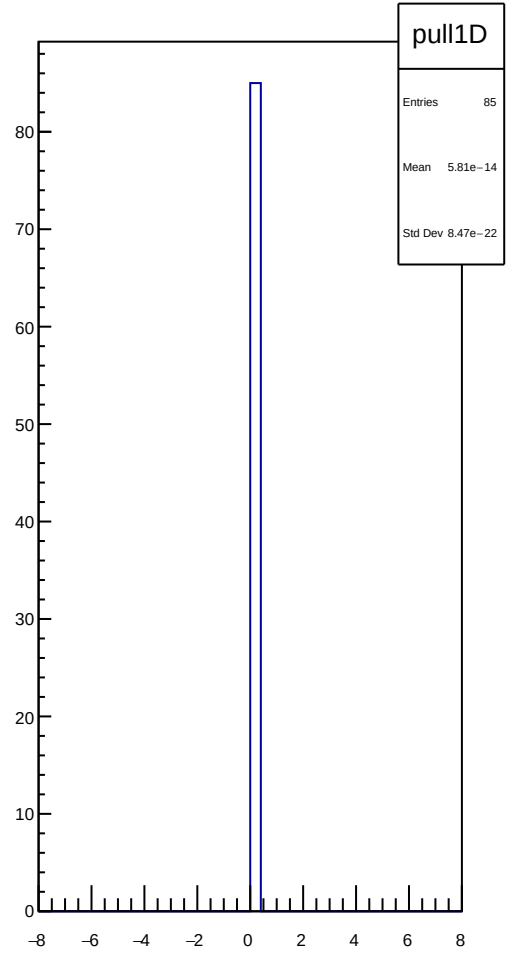

dit_atr1_4eY_slope vs run
χ² / ndf 1.46e−25 / 84
p0 −21.24 ± 0.1209
−20
−20.5
−21
−21.5
−22
−22.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
pull1D
Entries 85
Mean 4.144e−14
Std Dev 2.16e−21

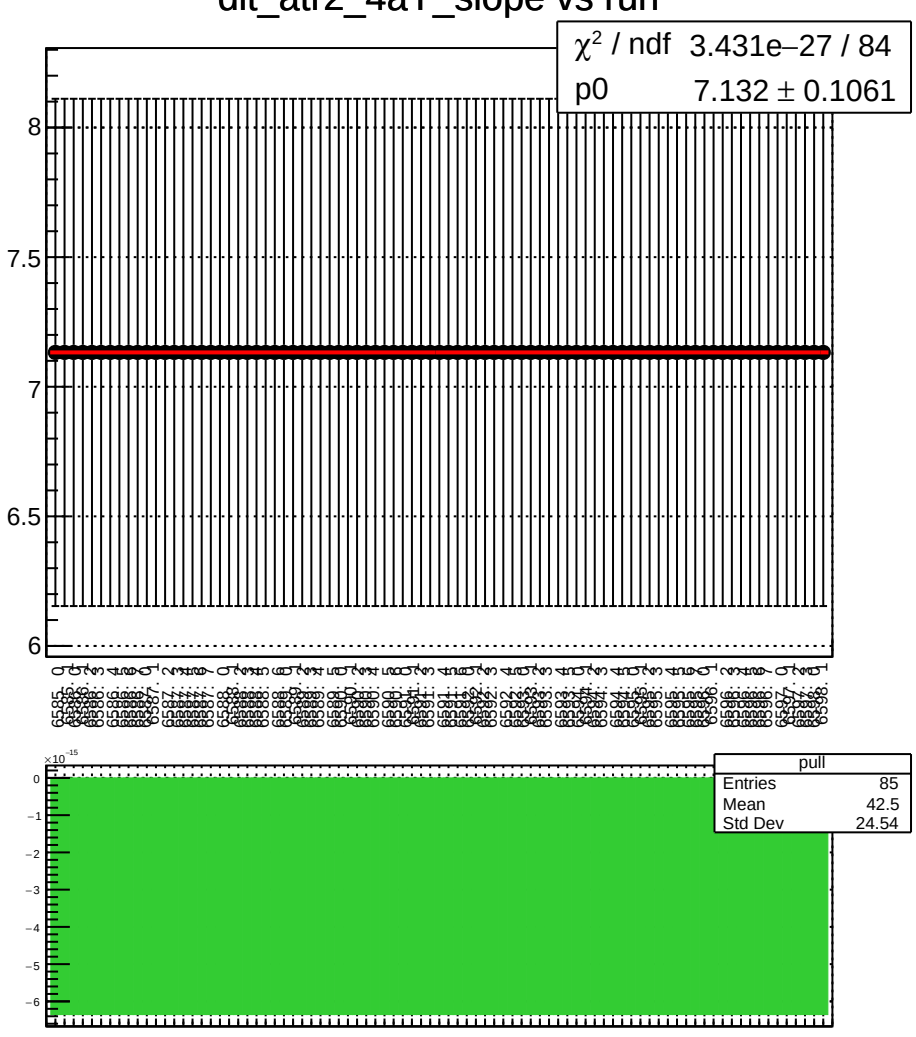

dit_atr2_4aX_slope vs run
χ² / ndf 1.628e−25 / 84
p0 −882 ± 0.8453
−874
−876
−878
−880
−882
−884
−886
−888
−890
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
45
40
35
30
25
20
15
10
5
0
pull1D
Entries 85
Mean 4.377e−14
Std Dev 2.32e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

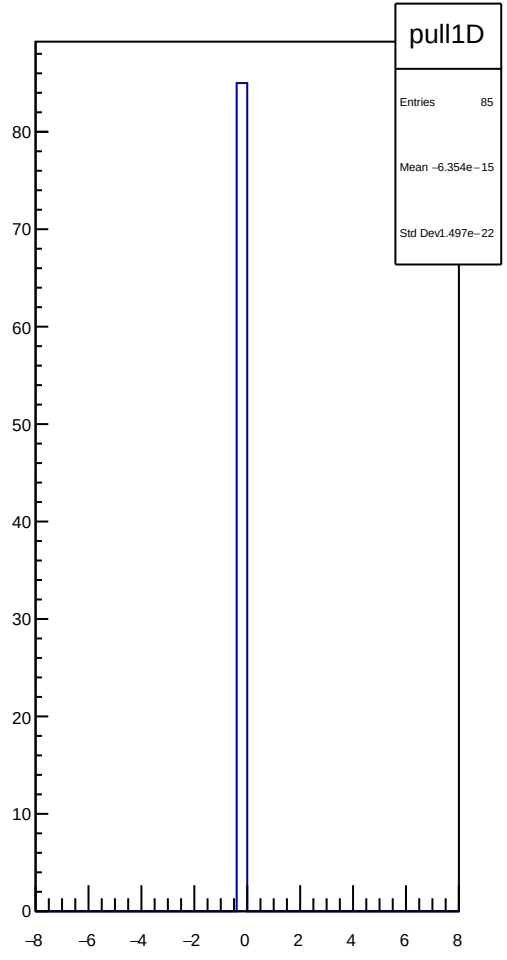

dit_atr2_4eX_slope vs run
χ² / ndf 2.254e−23 / 84
p0 1065 ± 0.8142
1074
1072
1070
1068
1066
1064
1062
1060
1058
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5

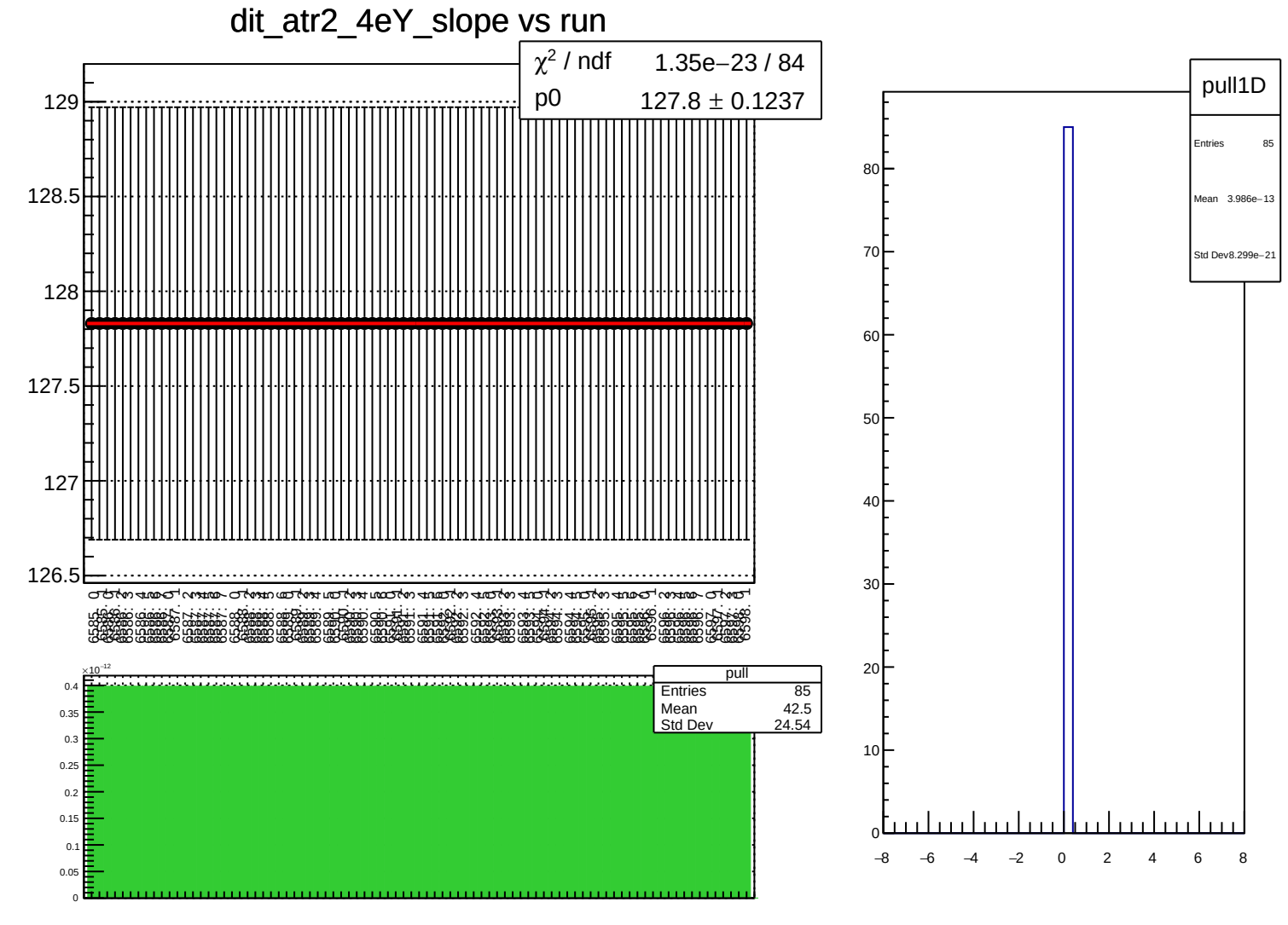

pull1D
Entries 85
Mean −5.149e−13
Std Dev 2.875e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

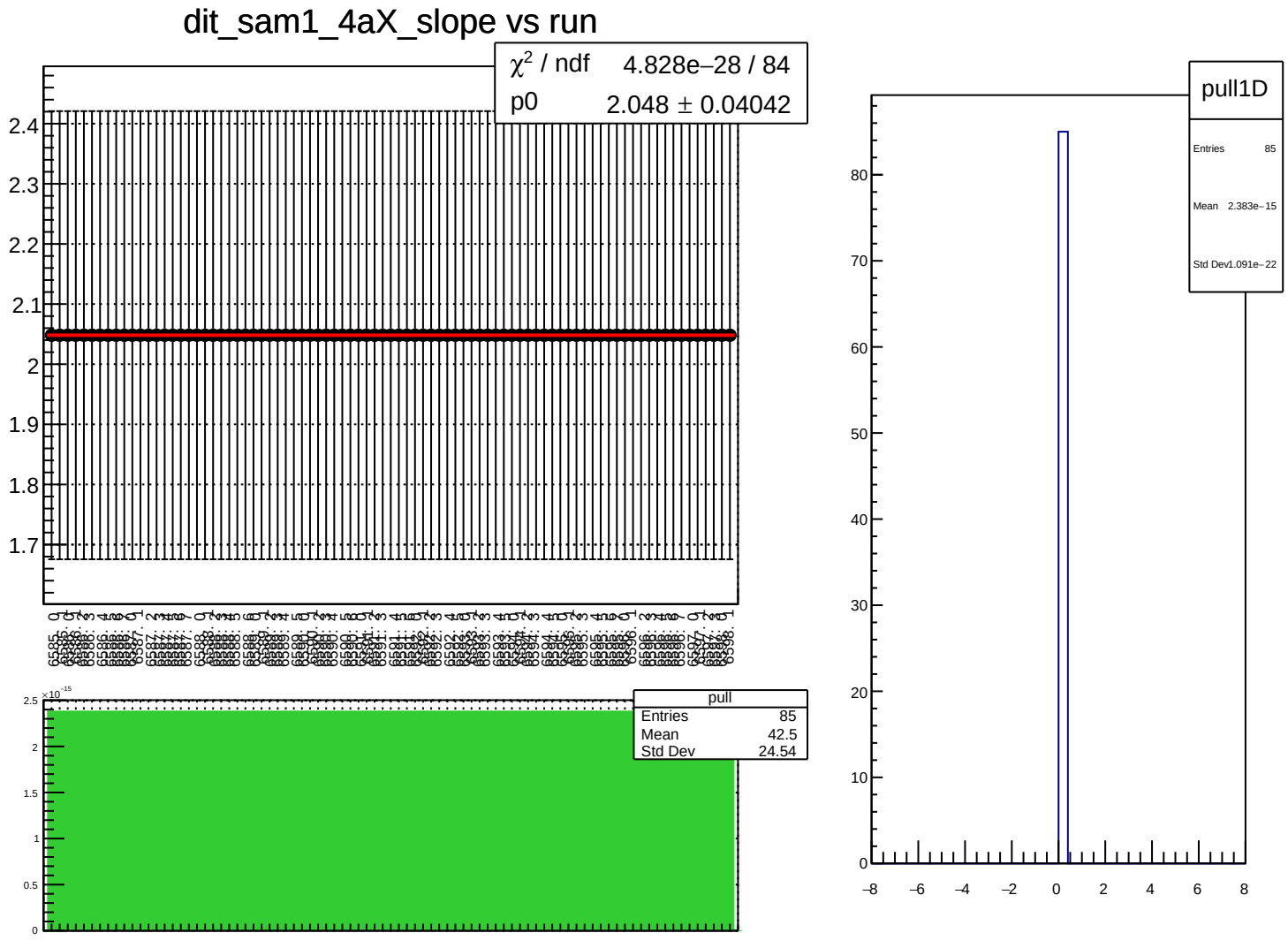

dit_atr2_11X12X_slope vs run
χ² / ndf 2.869e−25 / 84
p0 −290.5 ± 0.1061
−289.5
−290
−290.5
−291
−291.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
60
50
40
30
20
10
0

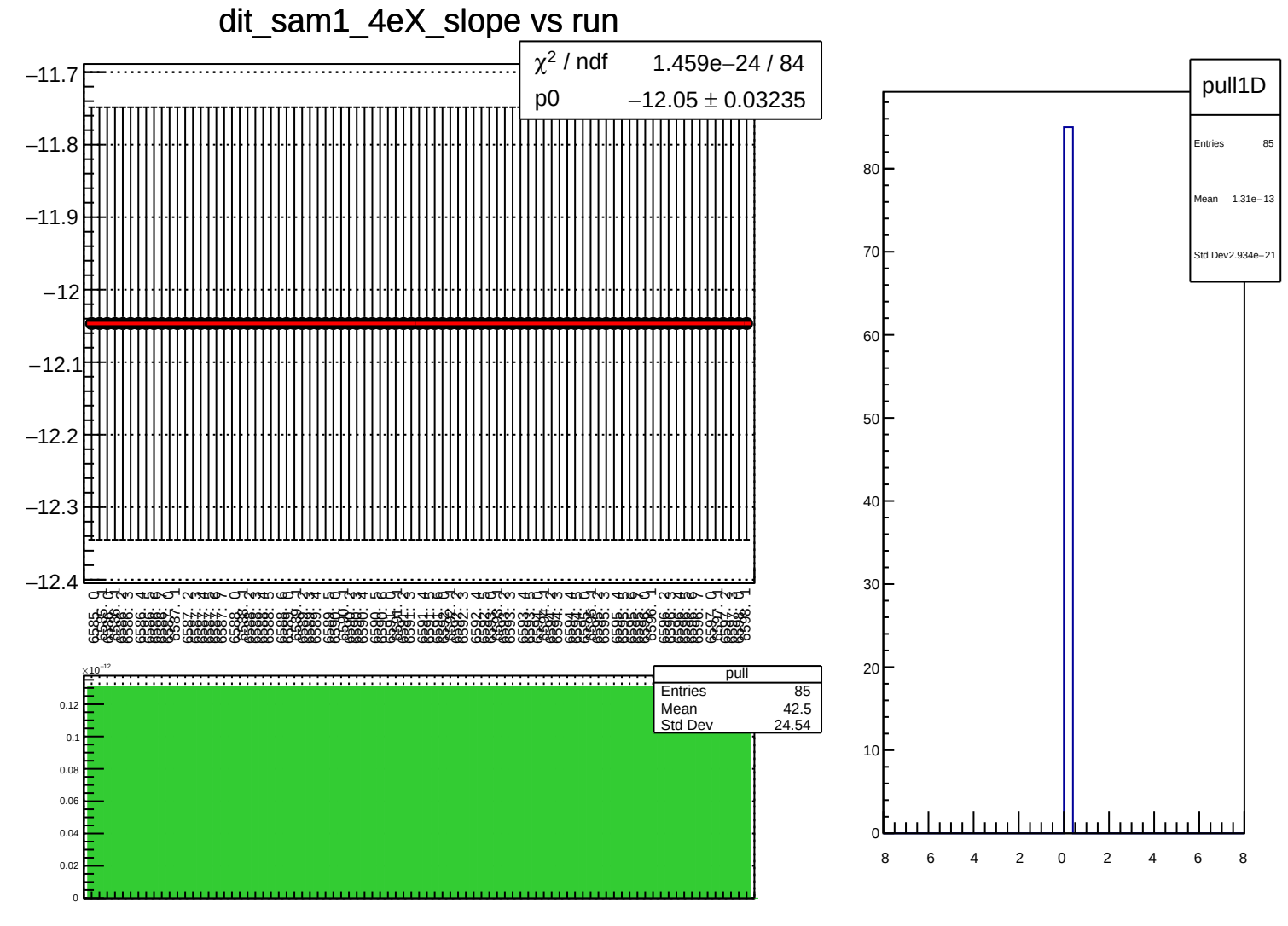

pull1D
Entries 85
Mean 5.81e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

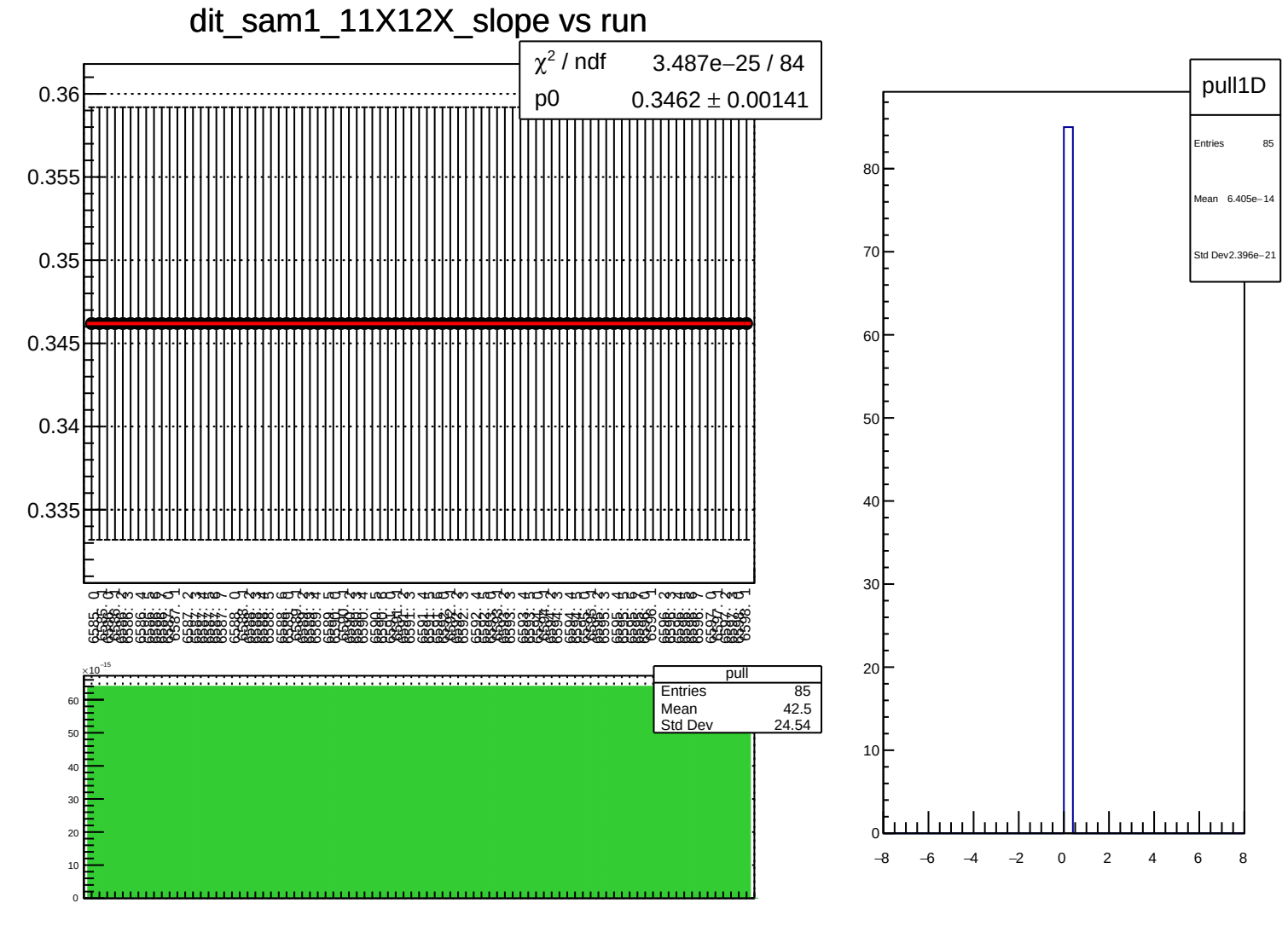

dit_atr2_4aY_slope vs run
χ² / ndf 3.431e−27 / 84
p0 7.132 ± 0.1061
8
7.5
7
6.5
6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6

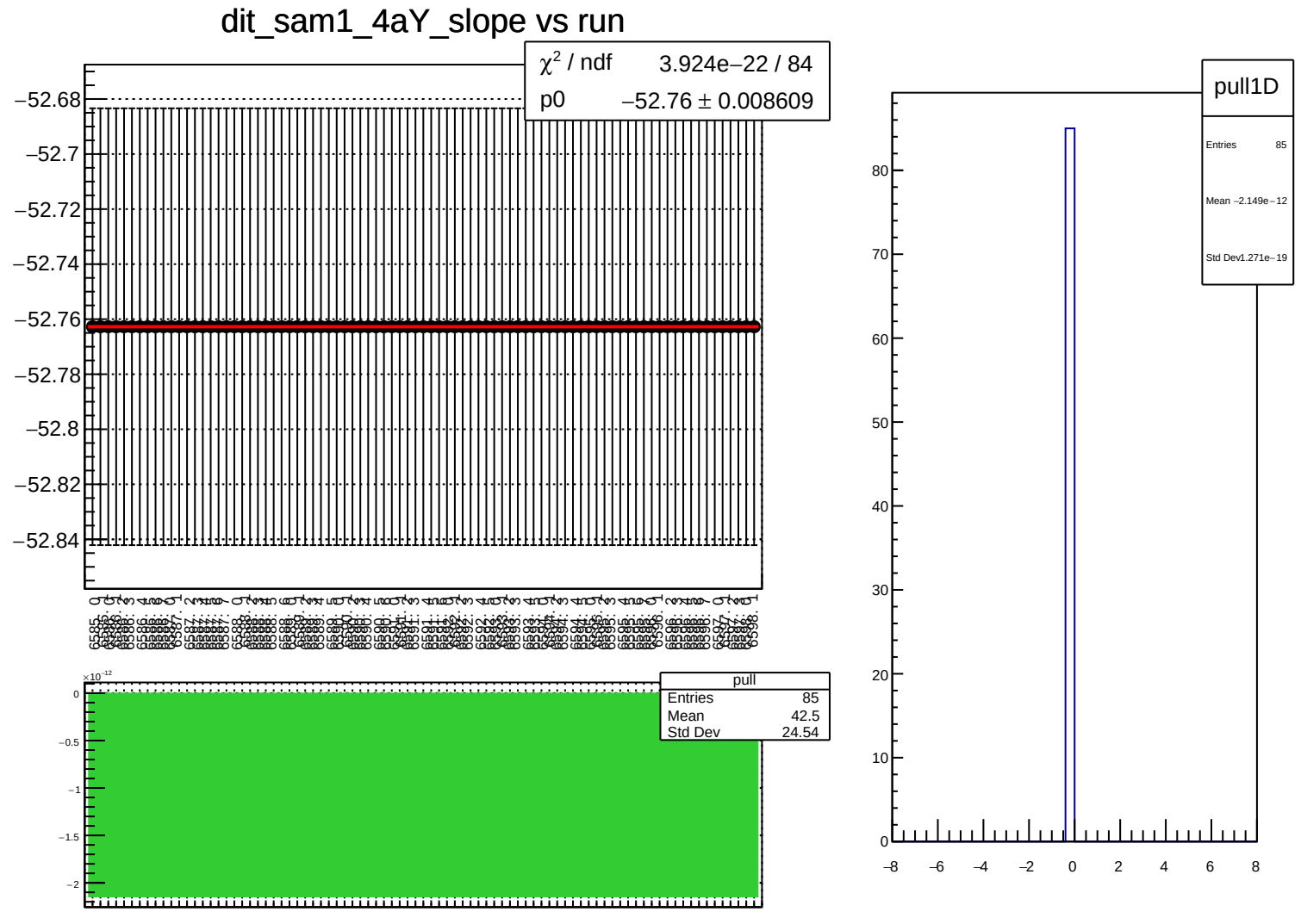

pull1D
Entries 85
Mean −6.354e−15
Std Dev1.497e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

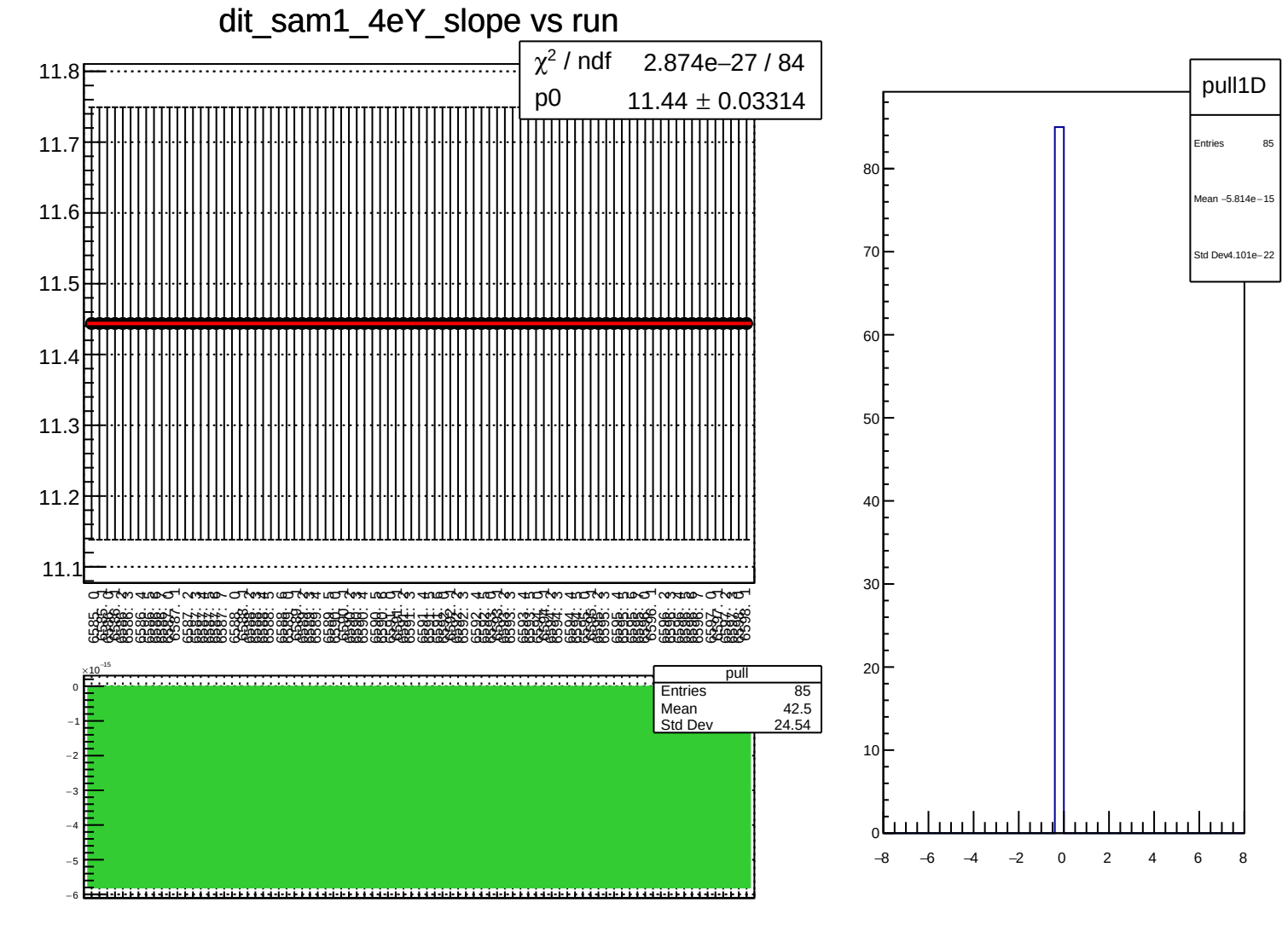

dit_atr2_4eY_slope vs run
χ² / ndf 1.35e−23 / 84
p0 127.8 ± 0.1237
129
128.5
128
127.5
127
126.5
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 85
Mean 3.986e−13
Std Dev 8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

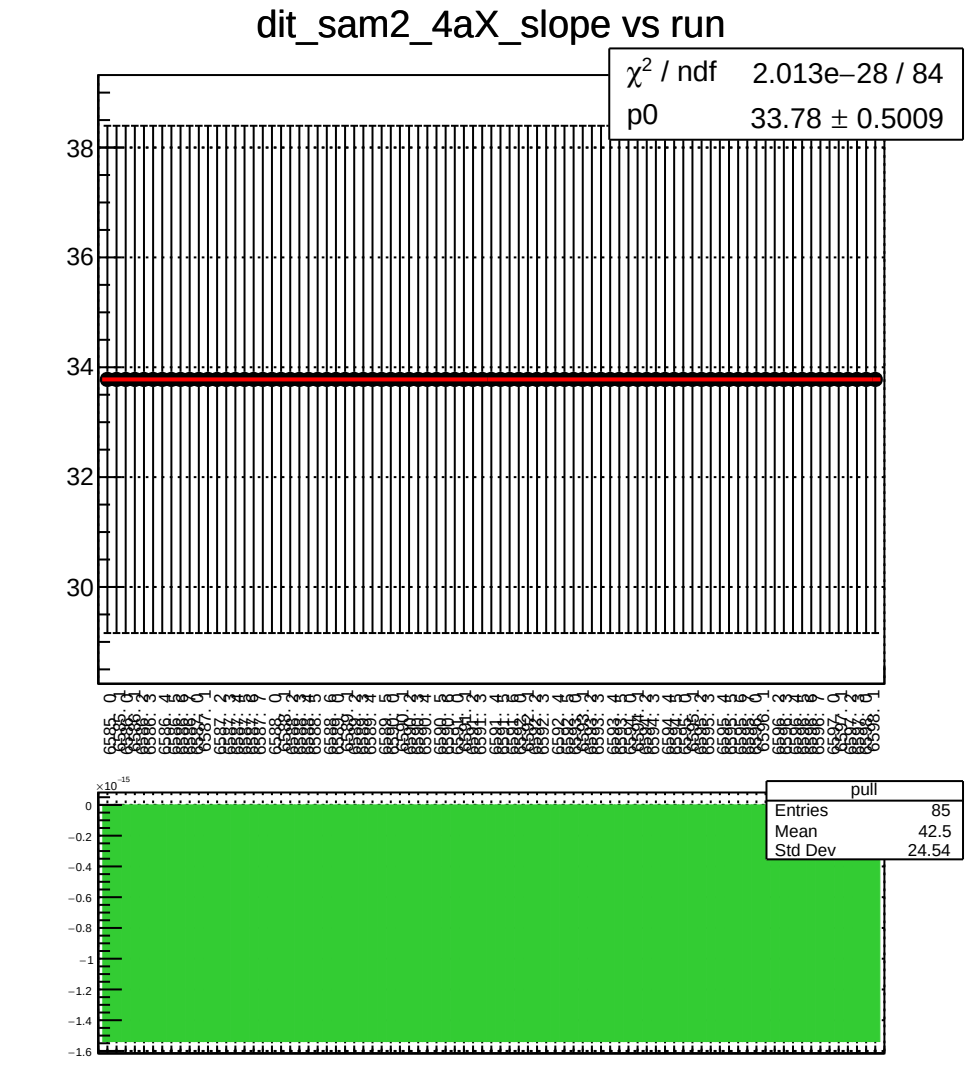

dit_sam1_4aX_slope vs run
χ² / ndf 4.828e−28 / 84
p0 2.048 ± 0.04042
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 2.383e−15
Std Dev1.091e−22

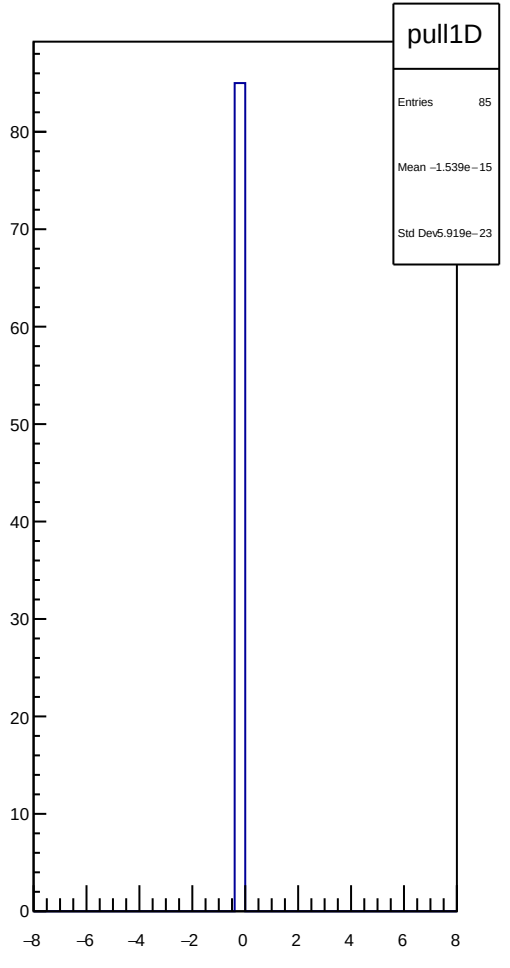

dit_sam1_4eX_slope vs run
χ² / ndf 1.459e−24 / 84
p0 −12.05 ± 0.03235
−11.7
−11.8
−11.9
−12
−12.1
−12.2
−12.3
−12.4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 85
Mean 1.31e−13
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

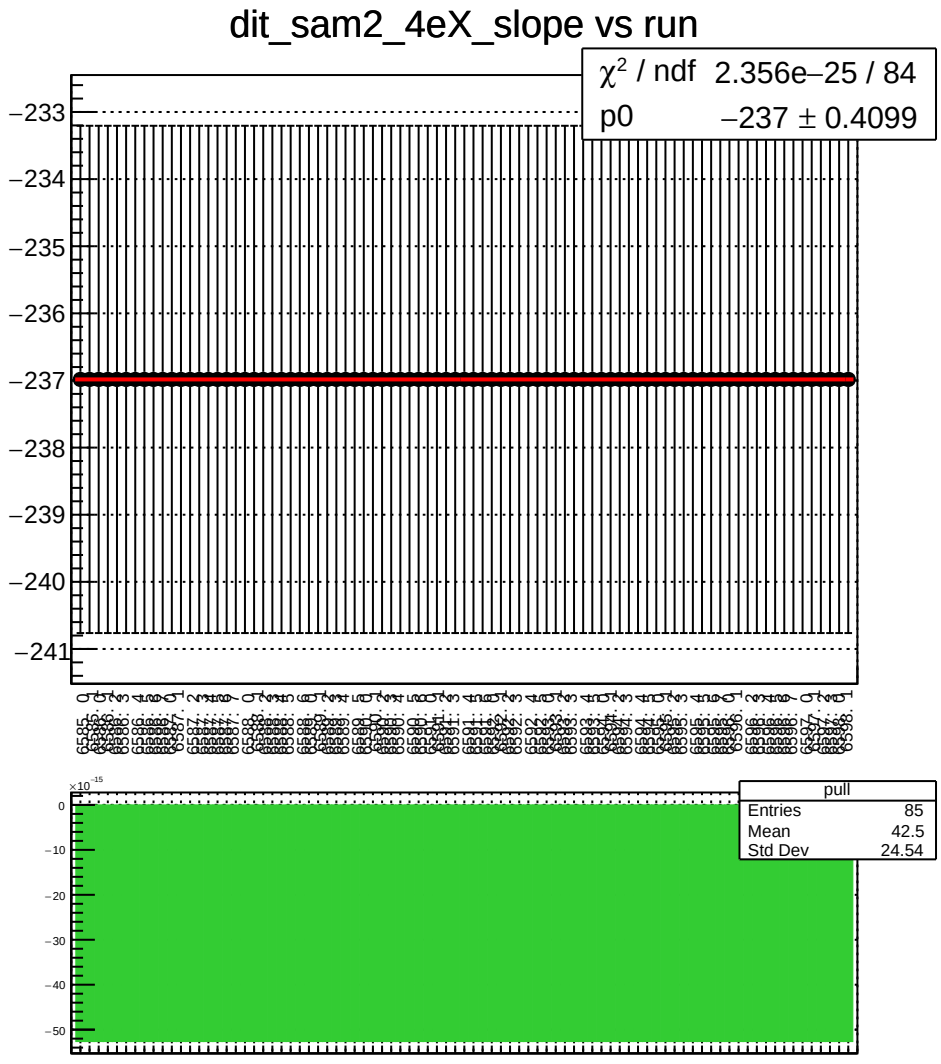

dit_sam1_11X12X_slope vs run
χ² / ndf 3.487e−25 / 84
p0 0.3462 ± 0.00141
0.36
0.355
0.35
0.345
0.34
0.335
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 85
Mean 6.405e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

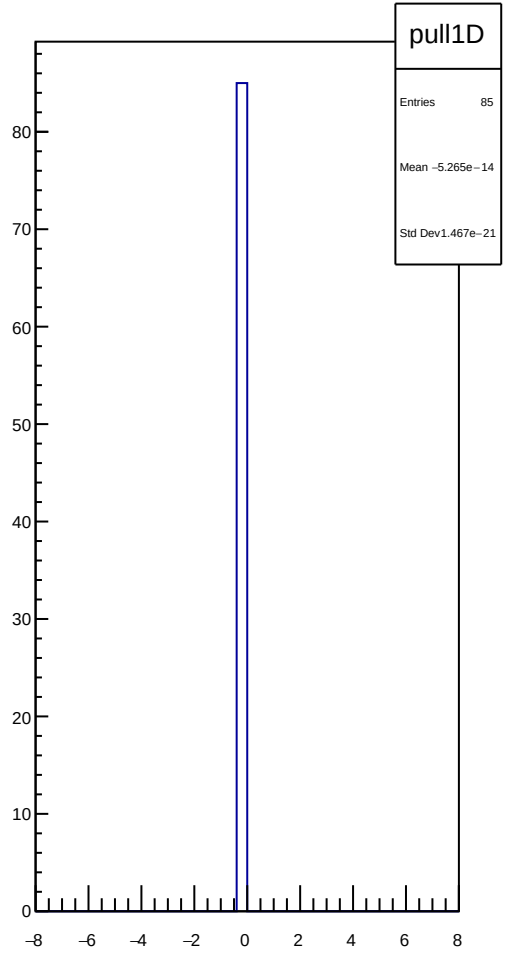

dit_sam1_4aY_slope vs run
χ² / ndf 3.924e−22 / 84
p0 −52.76 ± 0.008609
−52.68
−52.7
−52.72
−52.74
−52.76
−52.78
−52.8
−52.82
−52.84
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −2.149e−12
Std Dev1.271e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

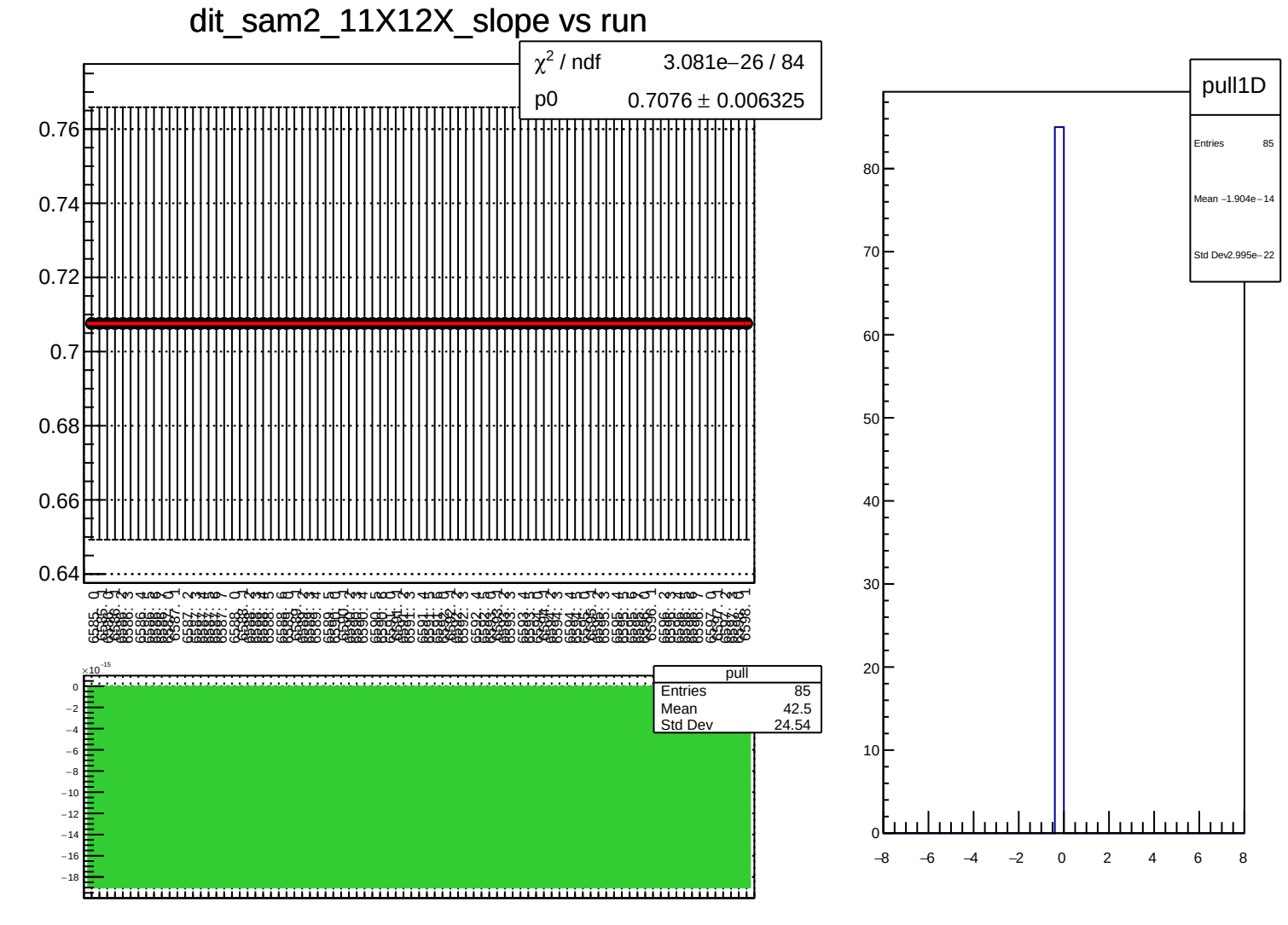

dit_sam1_4eY_slope vs run
χ² / ndf 2.874e−27 / 84
p0 11.44 ± 0.03314
11.8
11.7
11.6
11.5
11.4
11.3
11.2
11.1
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
pull1D
Entries 85
Mean −5.814e−15
Std Dev4.101e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

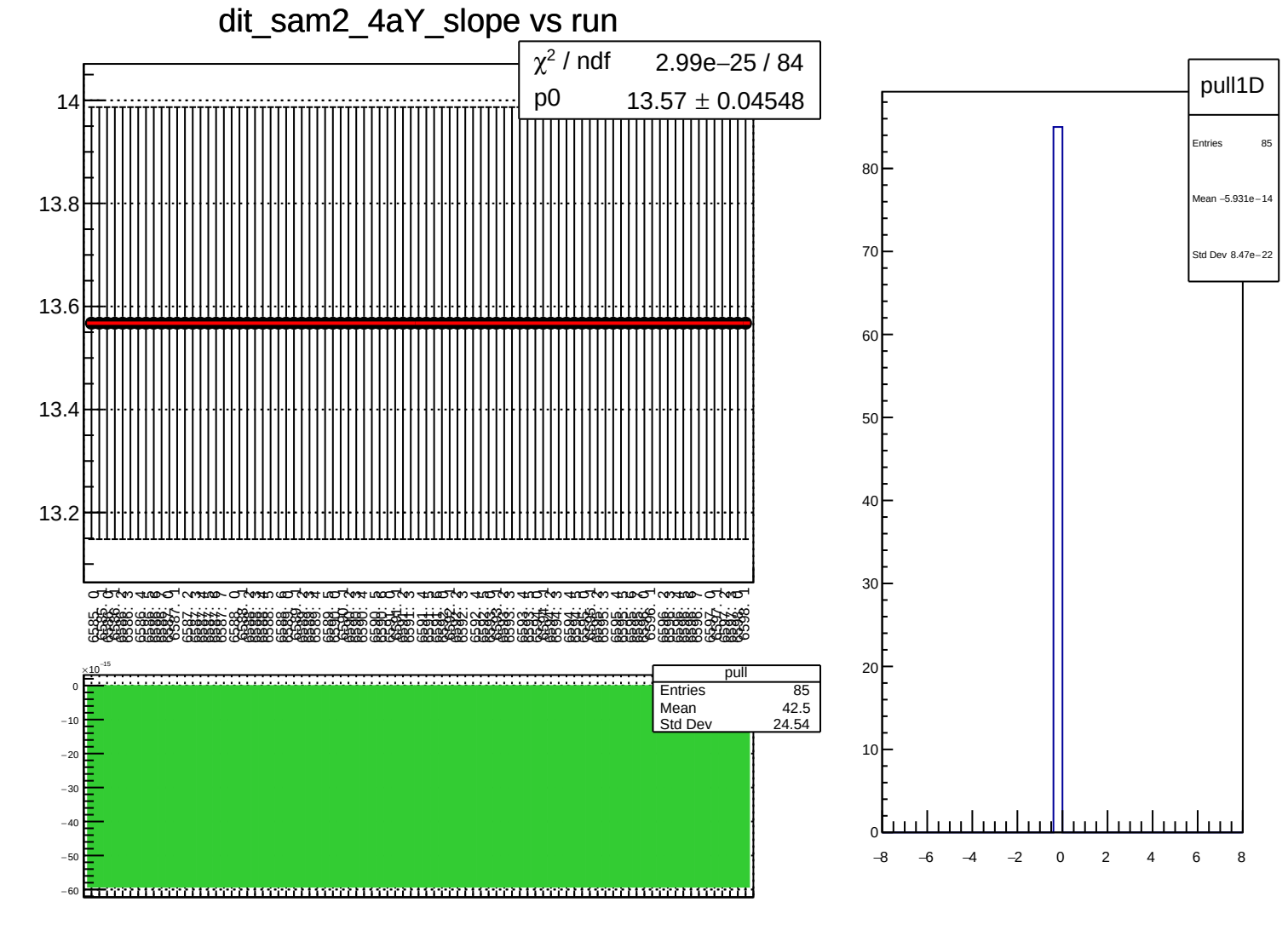

dit_sam2_4aX_slope vs run
χ² / ndf 2.013e−28 / 84
p0 33.78 ± 0.5009
38
36
34
32
30
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6

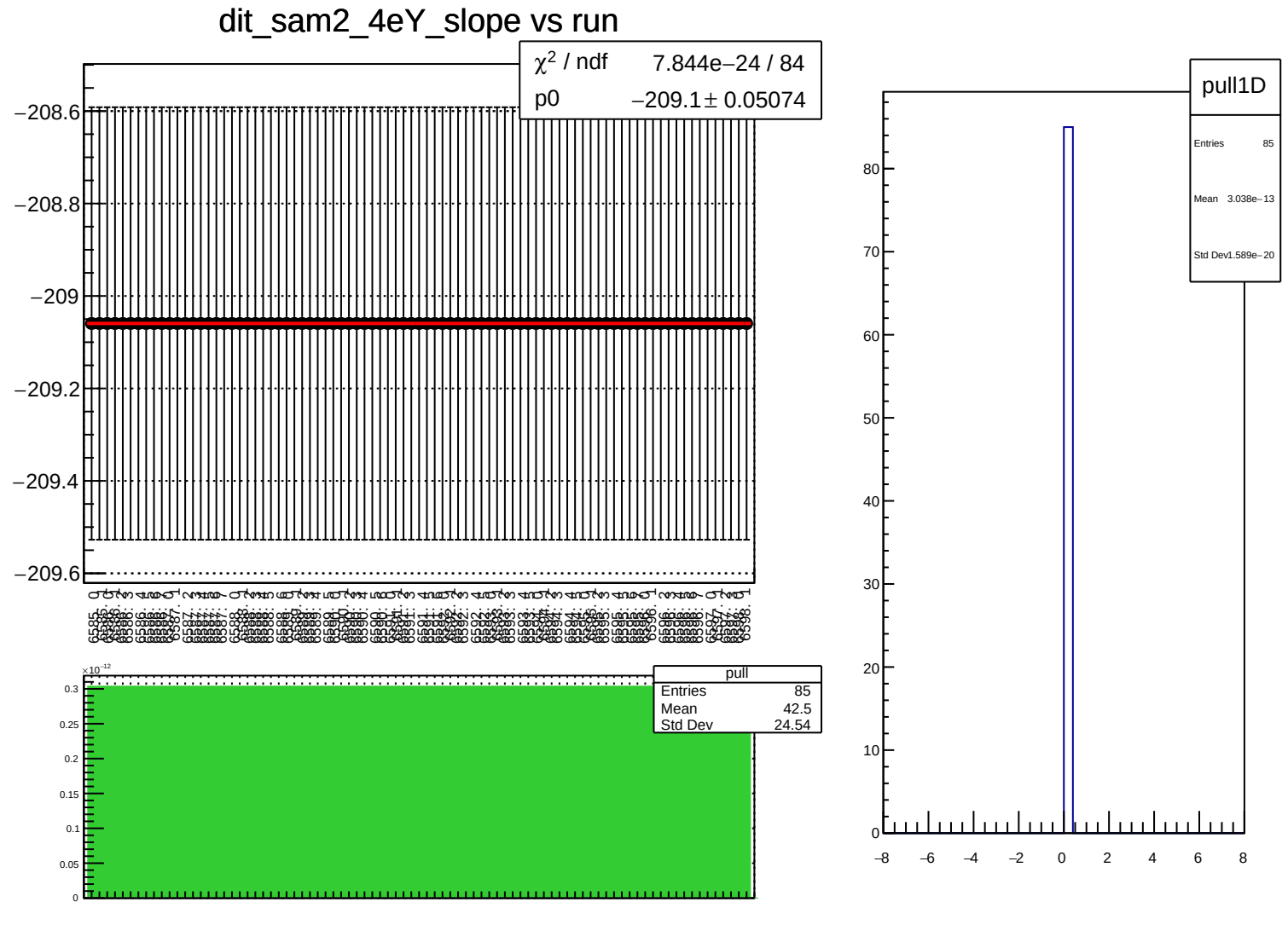

pull1D
Entries 85
Mean −1.539e−15
Std Dev 5.919e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

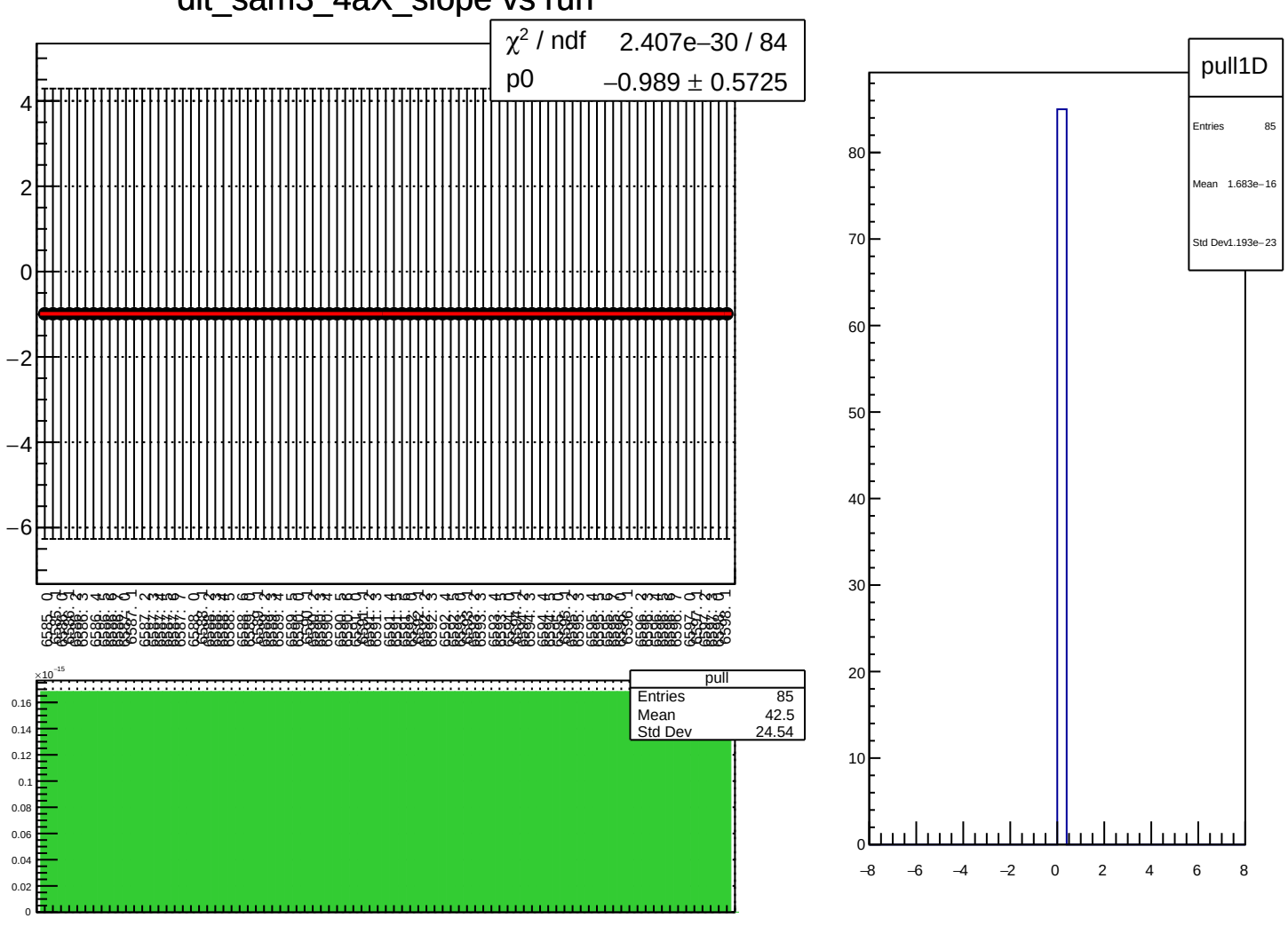

dit_sam2_4eX_slope vs run
χ² / ndf 2.356e−25 / 84
p0 −237 ± 0.4099
−233
−234
−235
−236
−237
−238
−239
−240
−241
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50

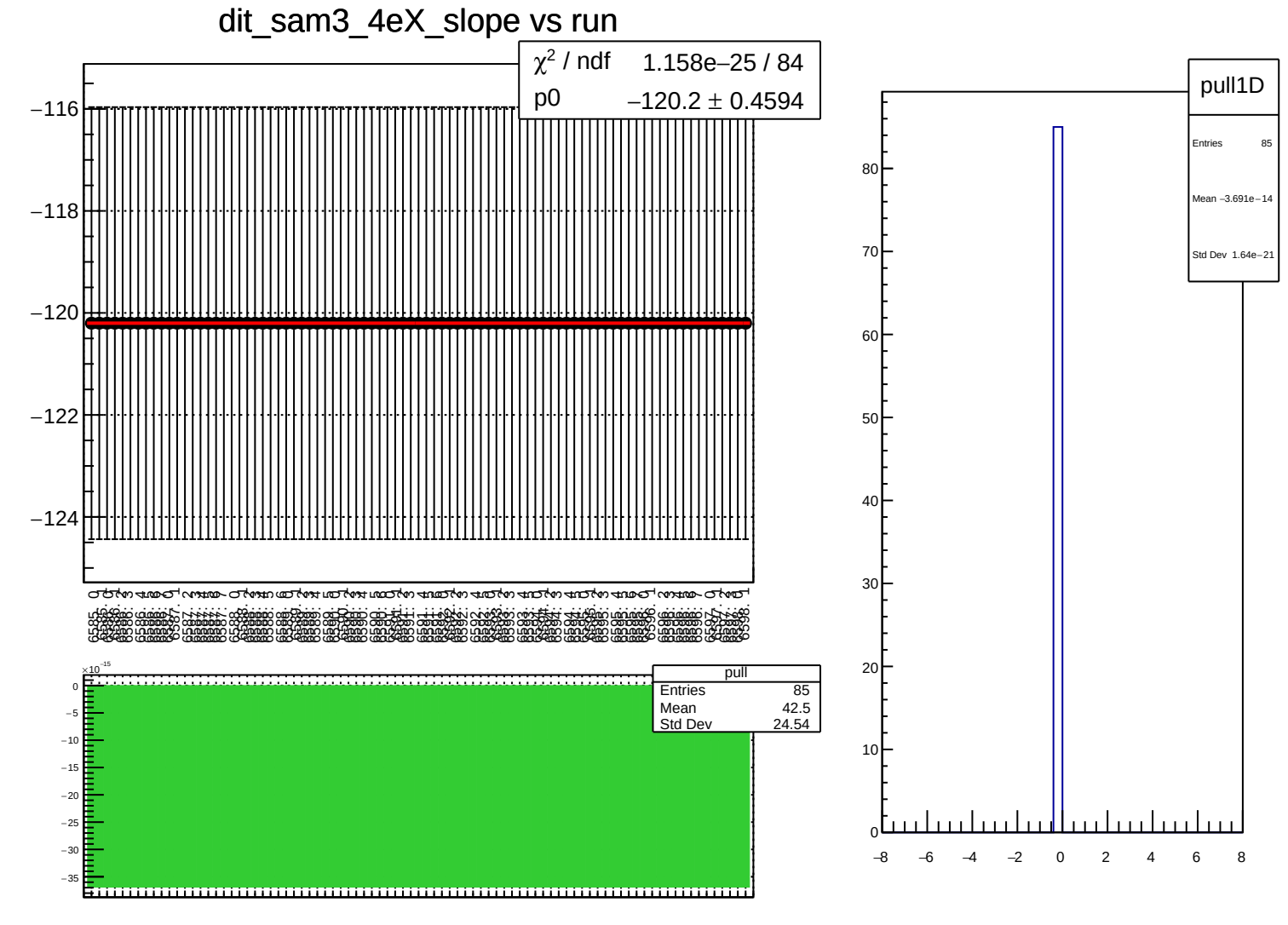

pull1D
Entries 85
Mean −5.265e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

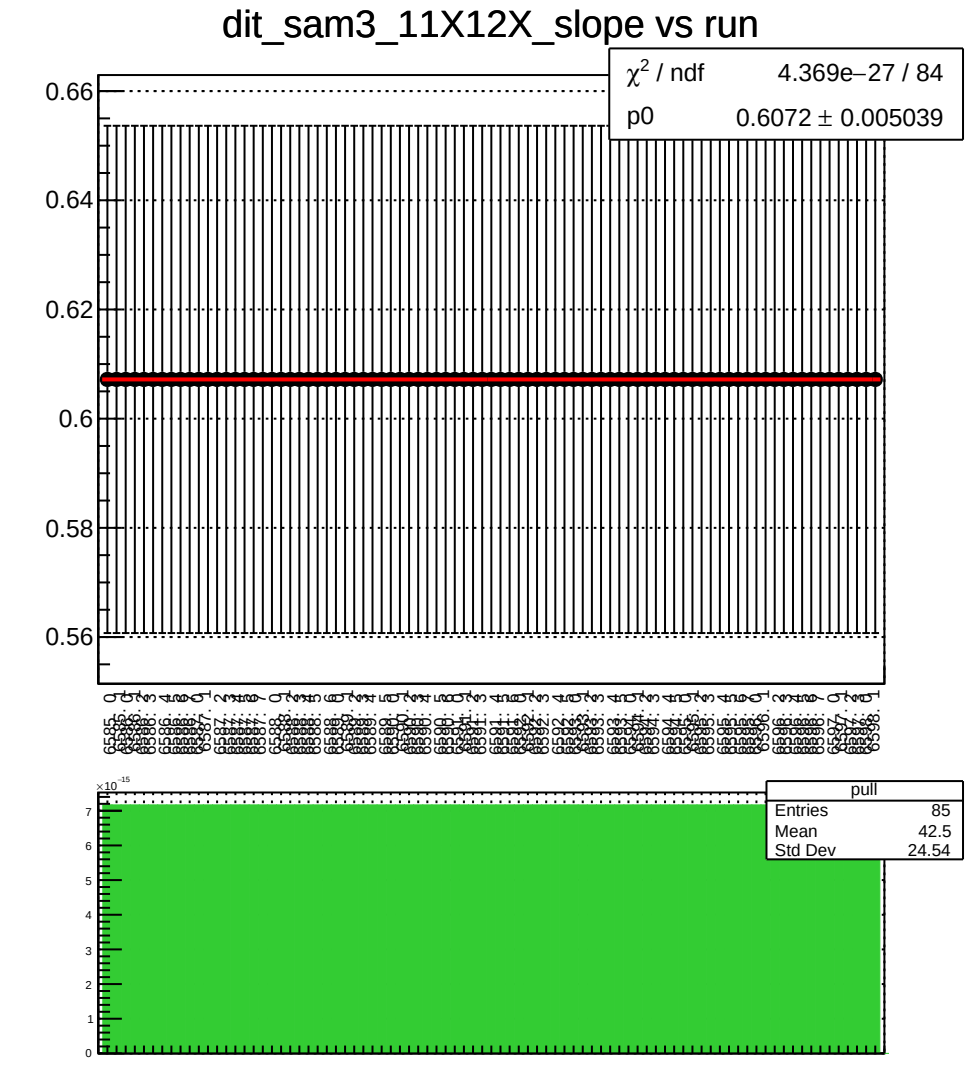

dit_sam2_11X12X_slope vs run
χ² / ndf 3.081e−26 / 84
p0 0.7076 ± 0.006325
0.76
0.74
0.72
0.7
0.68
0.66
0.64
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 85
Mean −1.904e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

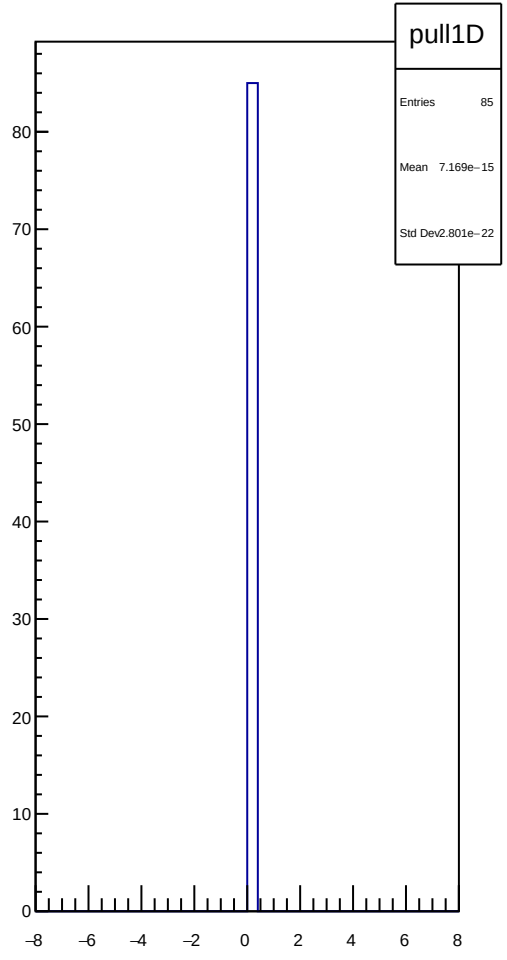

dit_sam2_4aY_slope vs run
χ^2 / ndf 2.99e−25 / 84
p0 13.57 ± 0.04548
14
13.8
13.6
13.4
13.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
pull1D
Entries 85
Mean −5.931e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

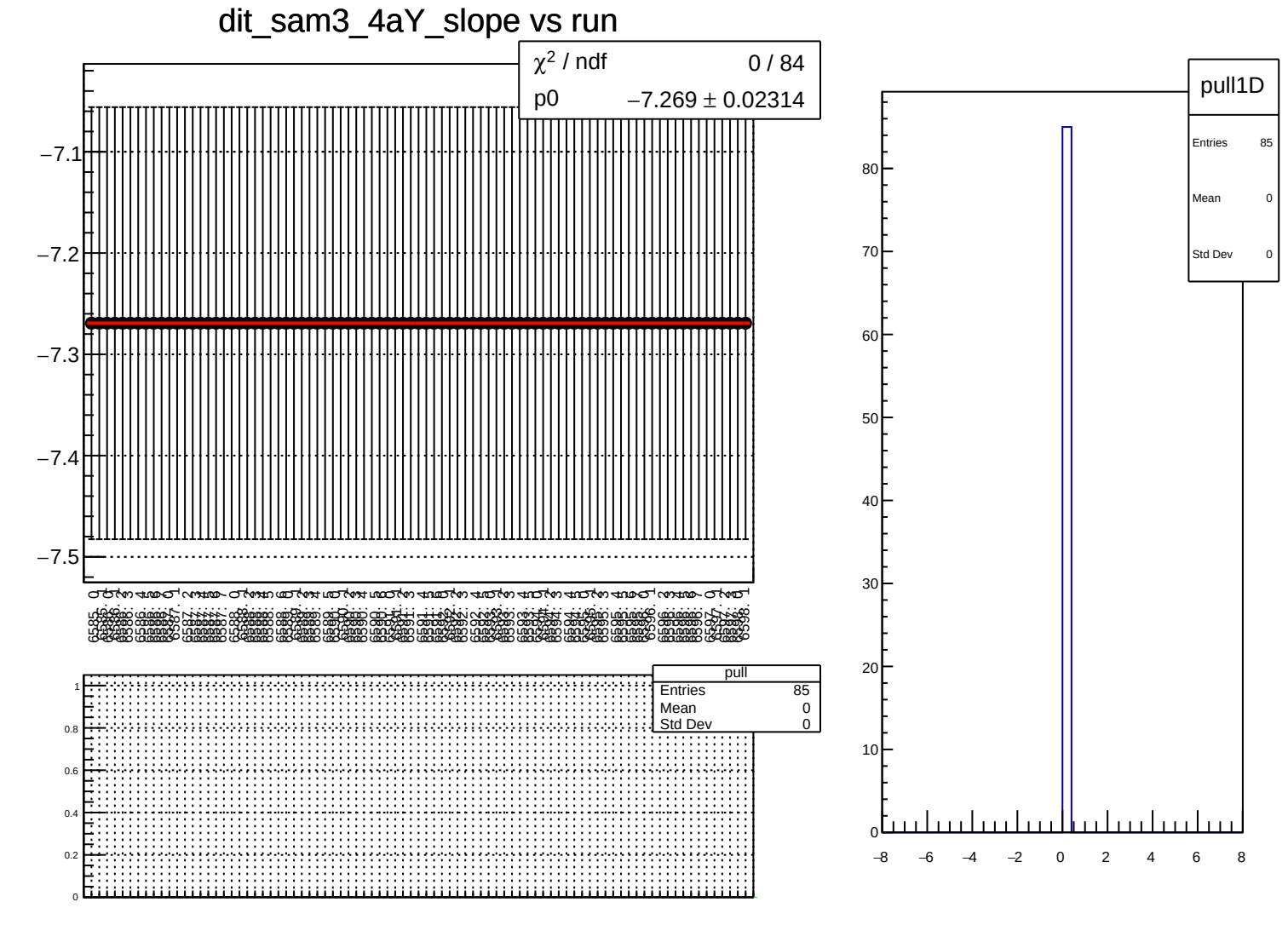

dit_sam2_4eY_slope vs run
χ² / ndf 7.844e−24 / 84
p0 −209.1 ± 0.05074
−208.6
−208.8
−209
−209.2
−209.4
−209.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 85
Mean 3.038e−13
Std Dev 1.589e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

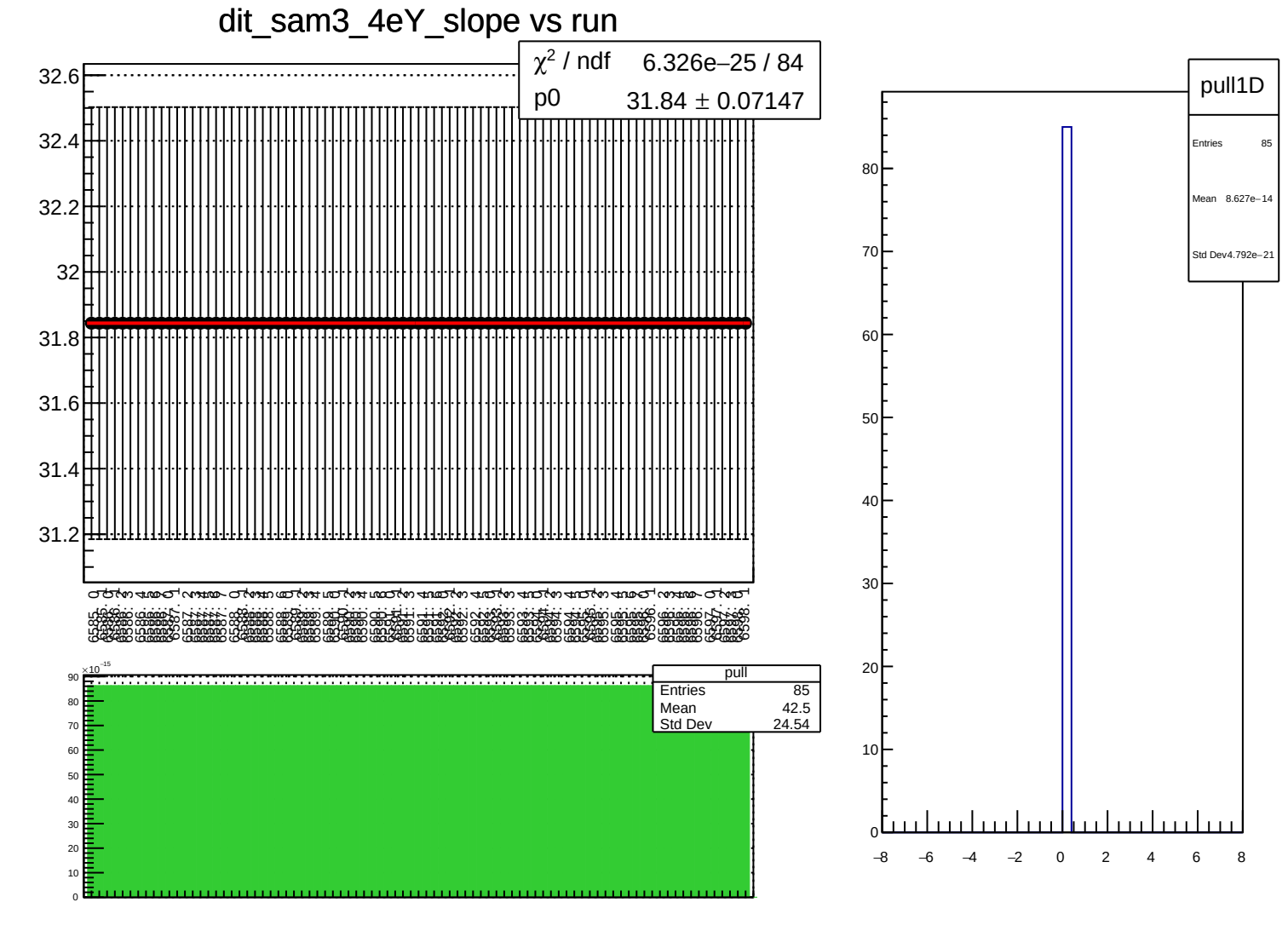

dit_sam3_4aX_slope vs run
χ² / ndf 2.407e−30 / 84
p0 −0.989 ± 0.5725
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 1.683e−16
Std Dev1.193e−23

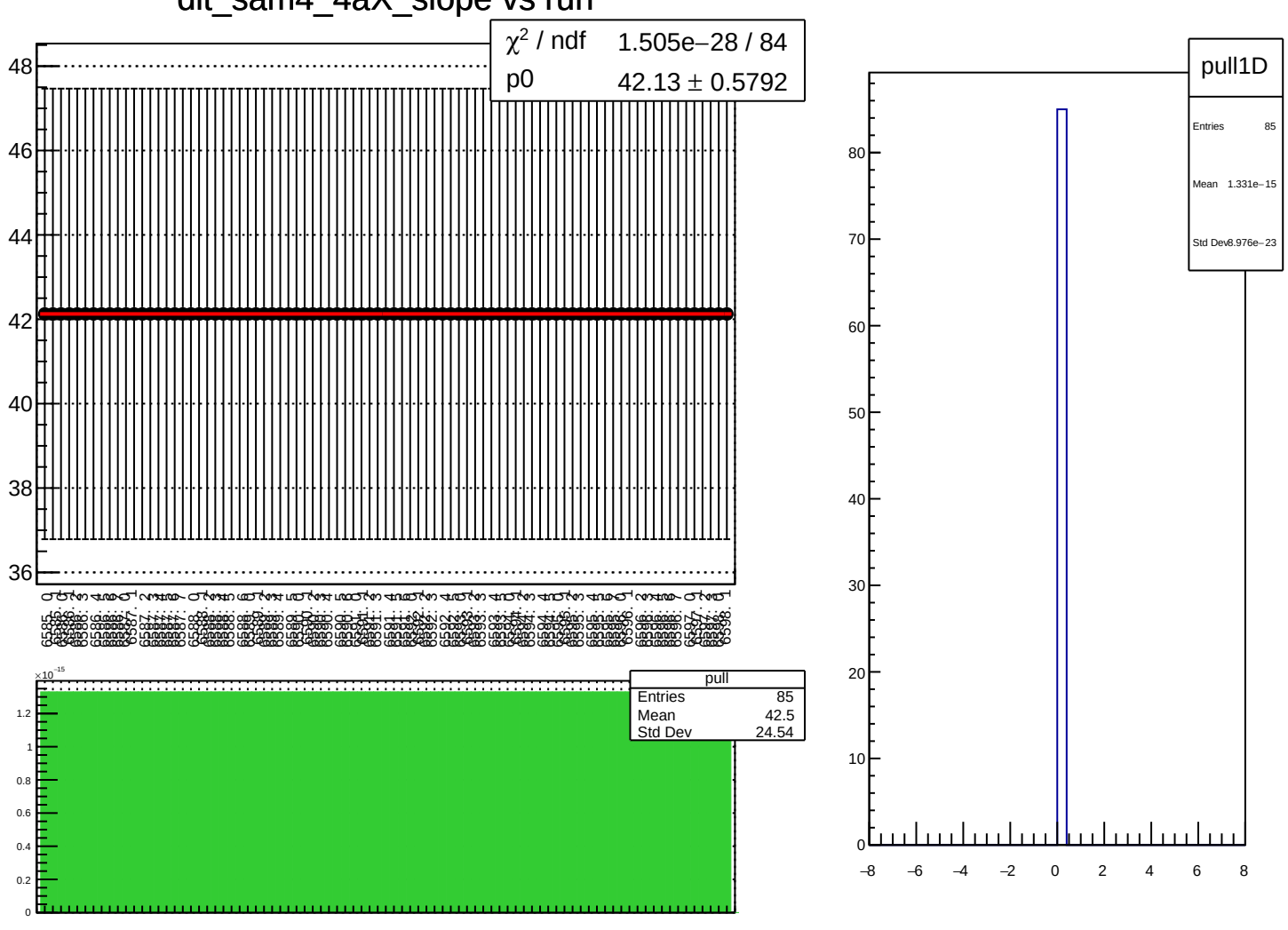

dit_sam3_4eX_slope vs run
χ² / ndf 1.158e−25 / 84
p0 −120.2 ± 0.4594
−116
−118
−120
−122
−124
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 85
Mean −3.691e−14
Std Dev 1.64e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

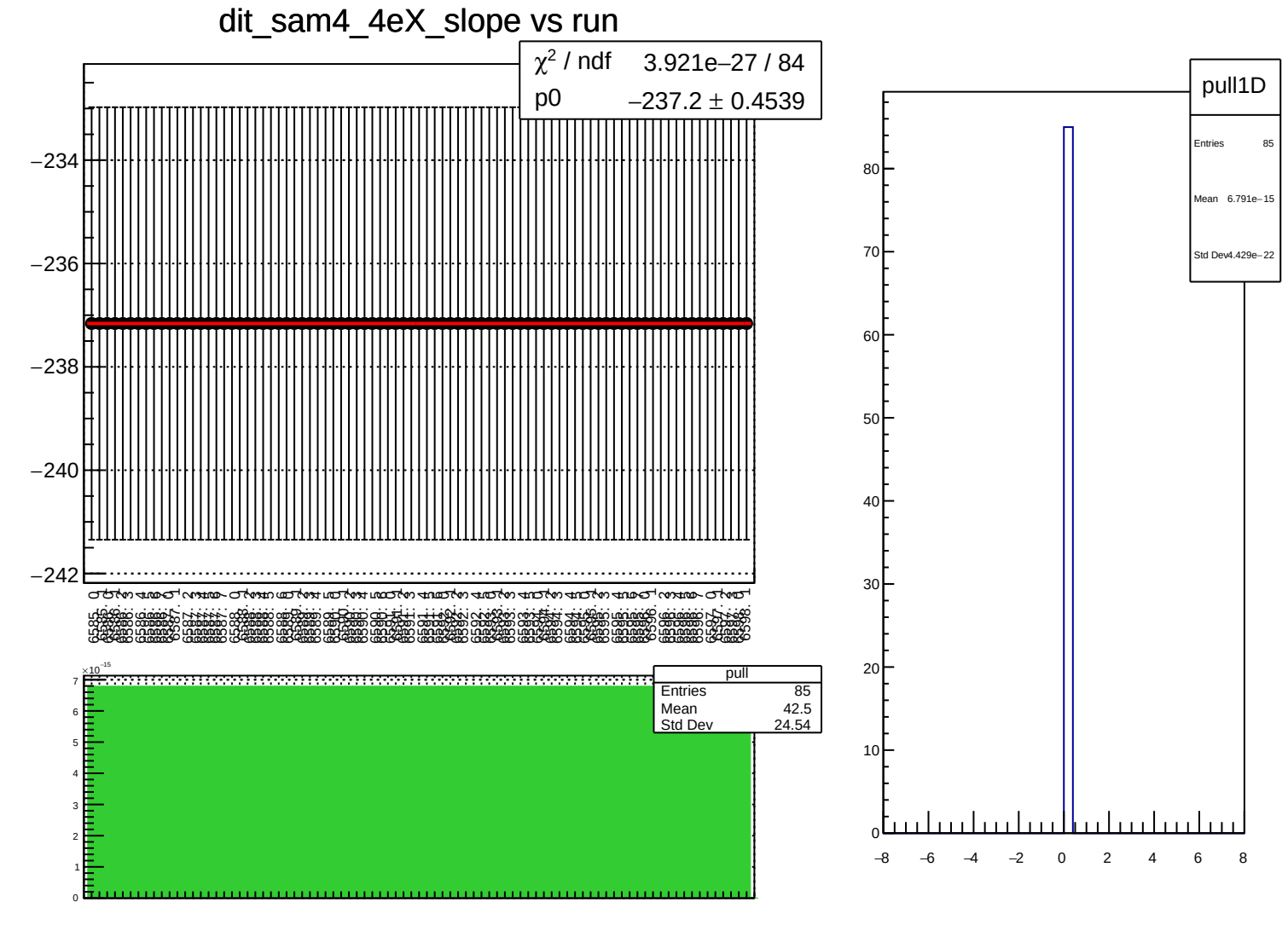

dit_sam3_11X12X_slope vs run
χ² / ndf 4.369e−27 / 84
p0 0.6072 ± 0.005039
0.66
0.64
0.62
0.6
0.58
0.56
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
7
6
5
4
3
2
1
0

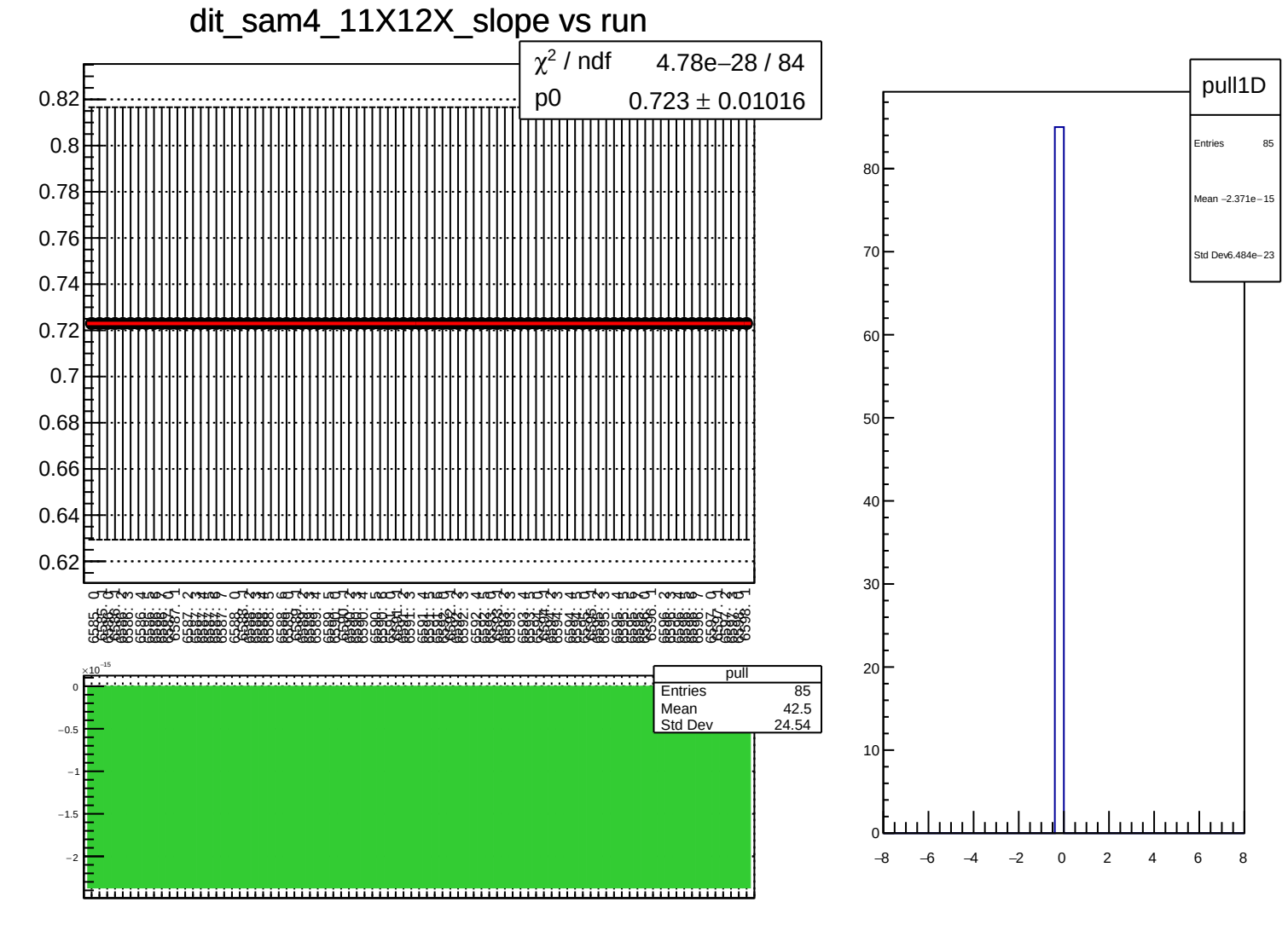

pull1D
Entries 85
Mean 7.169e−15
Std Dev 2.801e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

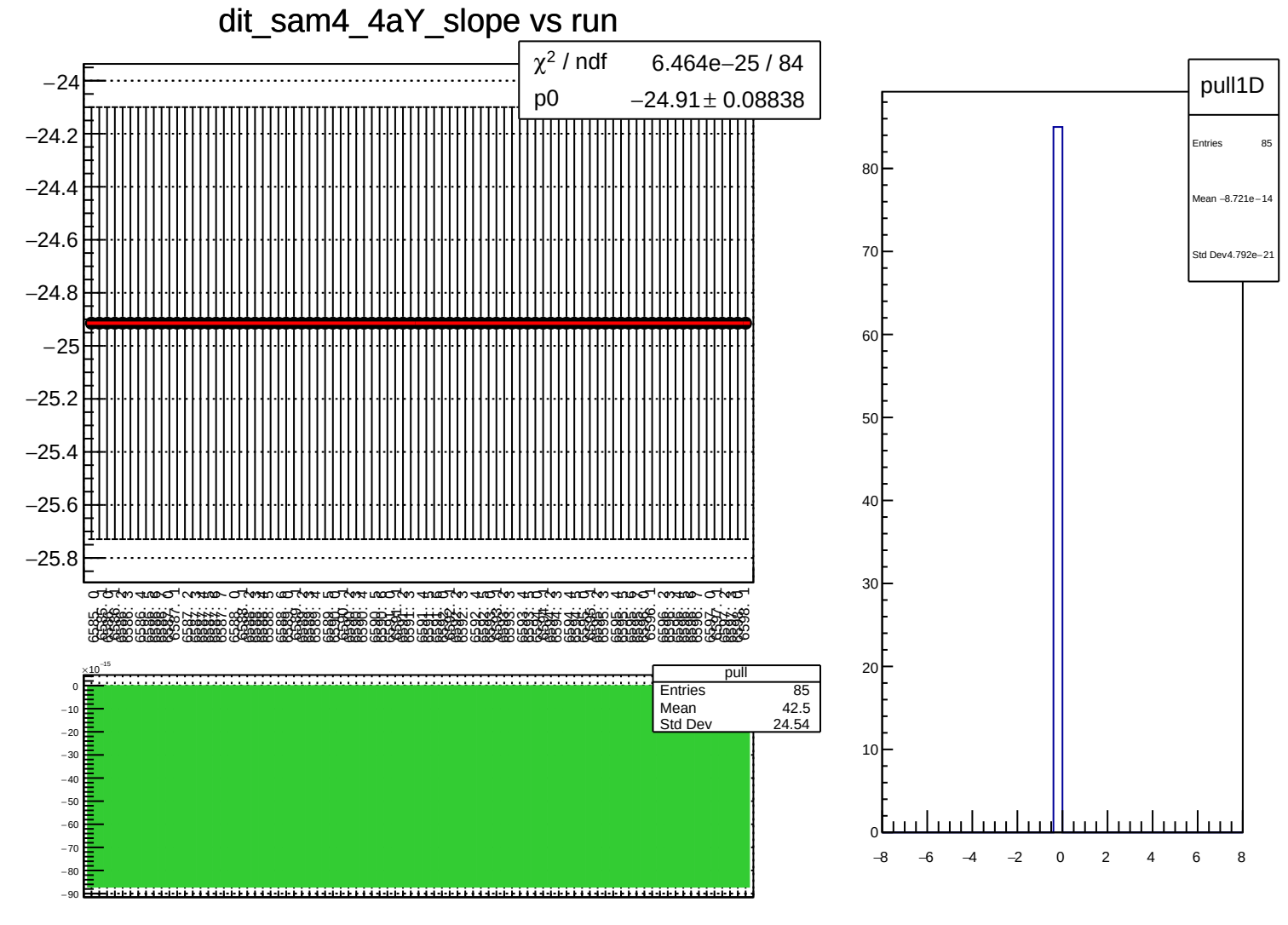

dit_sam3_4aY_slope vs run
χ² / ndf 0 / 84
p0 −7.269 ± 0.02314
−7.1
−7.2
−7.3
−7.4
−7.5
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

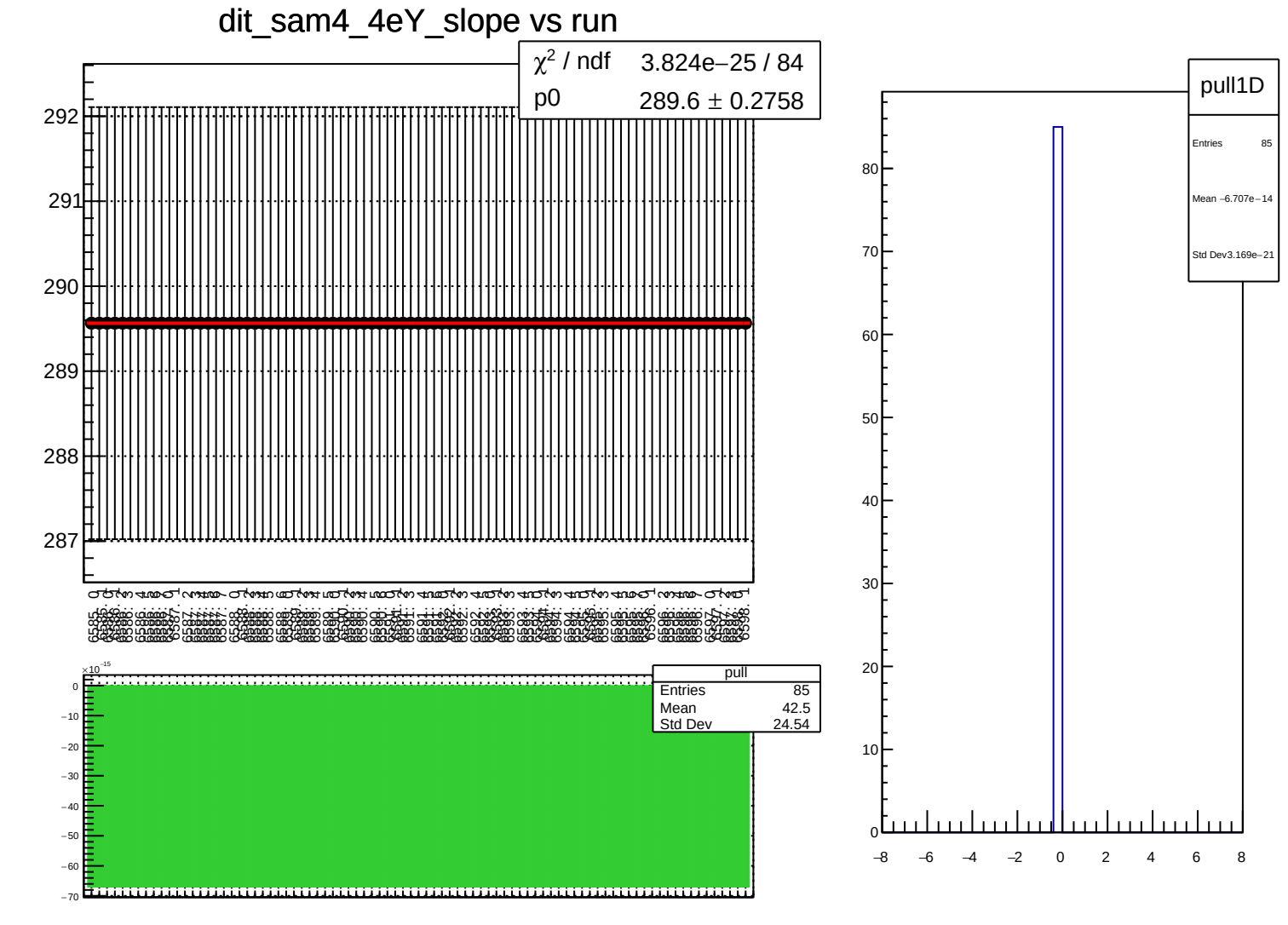

dit_sam3_4eY_slope vs run
χ² / ndf 6.326e−25 / 84
p0 31.84 ± 0.07147
32.6
32.4
32.2
32
31.8
31.6
31.4
31.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
pull1D
Entries 85
Mean 8.627e−14
Std Dev4.792e−21

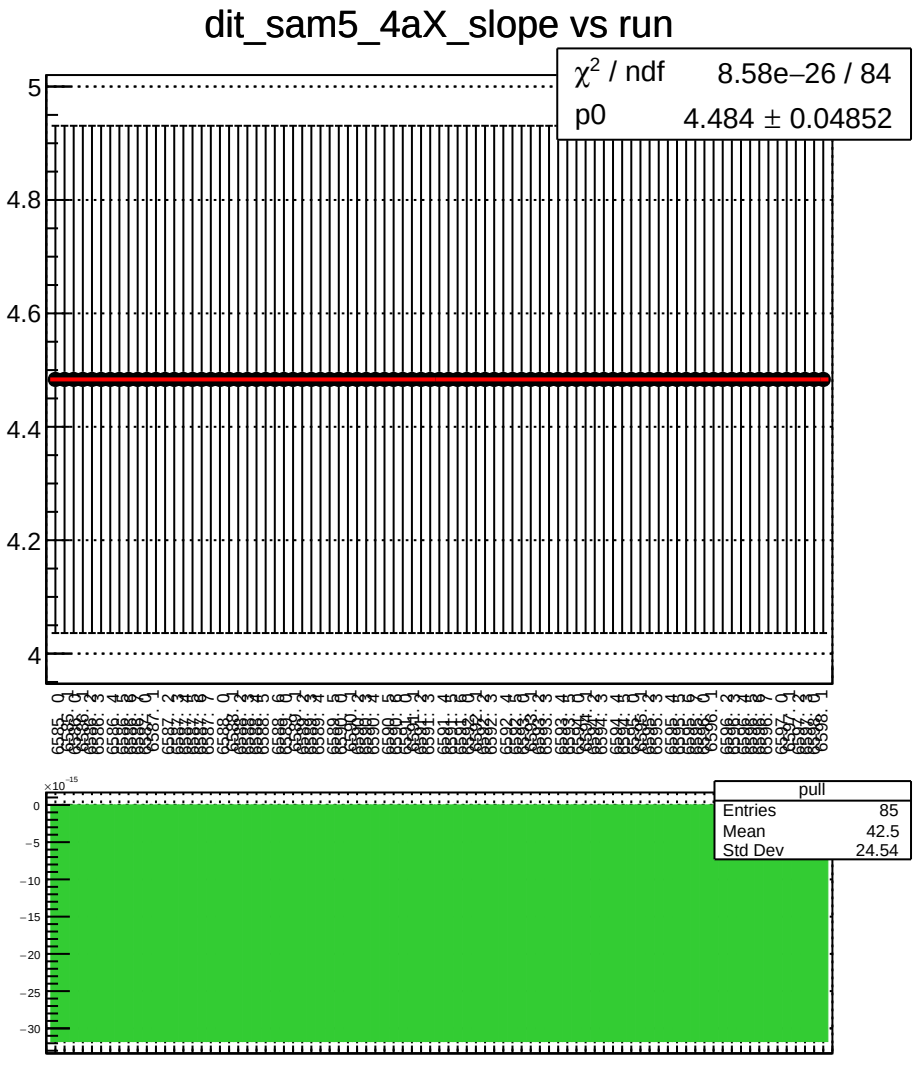

dit_sam4_4aX_slope vs run
χ² / ndf 1.505e−28 / 84
p0 42.13 ± 0.5792
48
46
44
42
40
38
36
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
1.2
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 85
Mean 1.331e−15
Std Dev 8.976e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

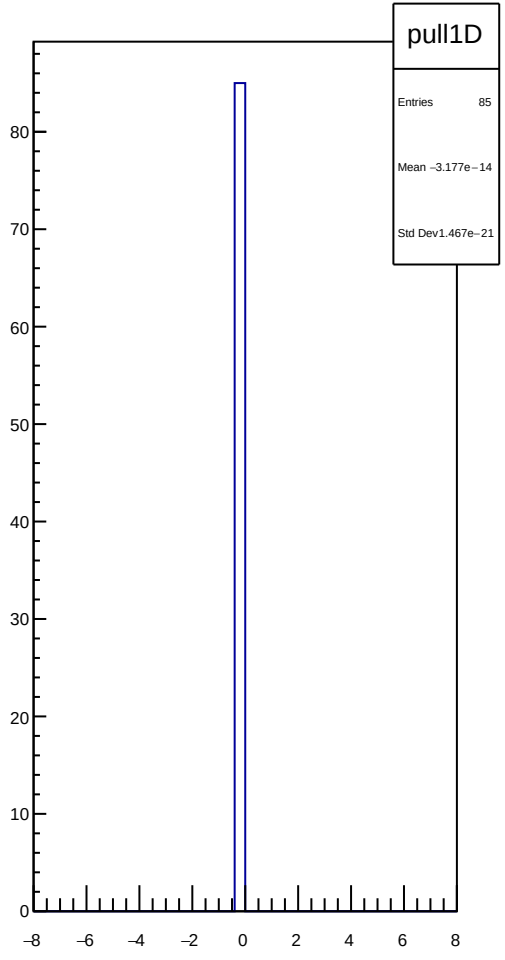

dit_sam4_4eX_slope vs run
χ² / ndf 3.921e−27 / 84
p0 −237.2 ± 0.4539
−234
−236
−238
−240
−242
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
pull1D
Entries 85
Mean 6.791e−15
Std Dev4.429e−22

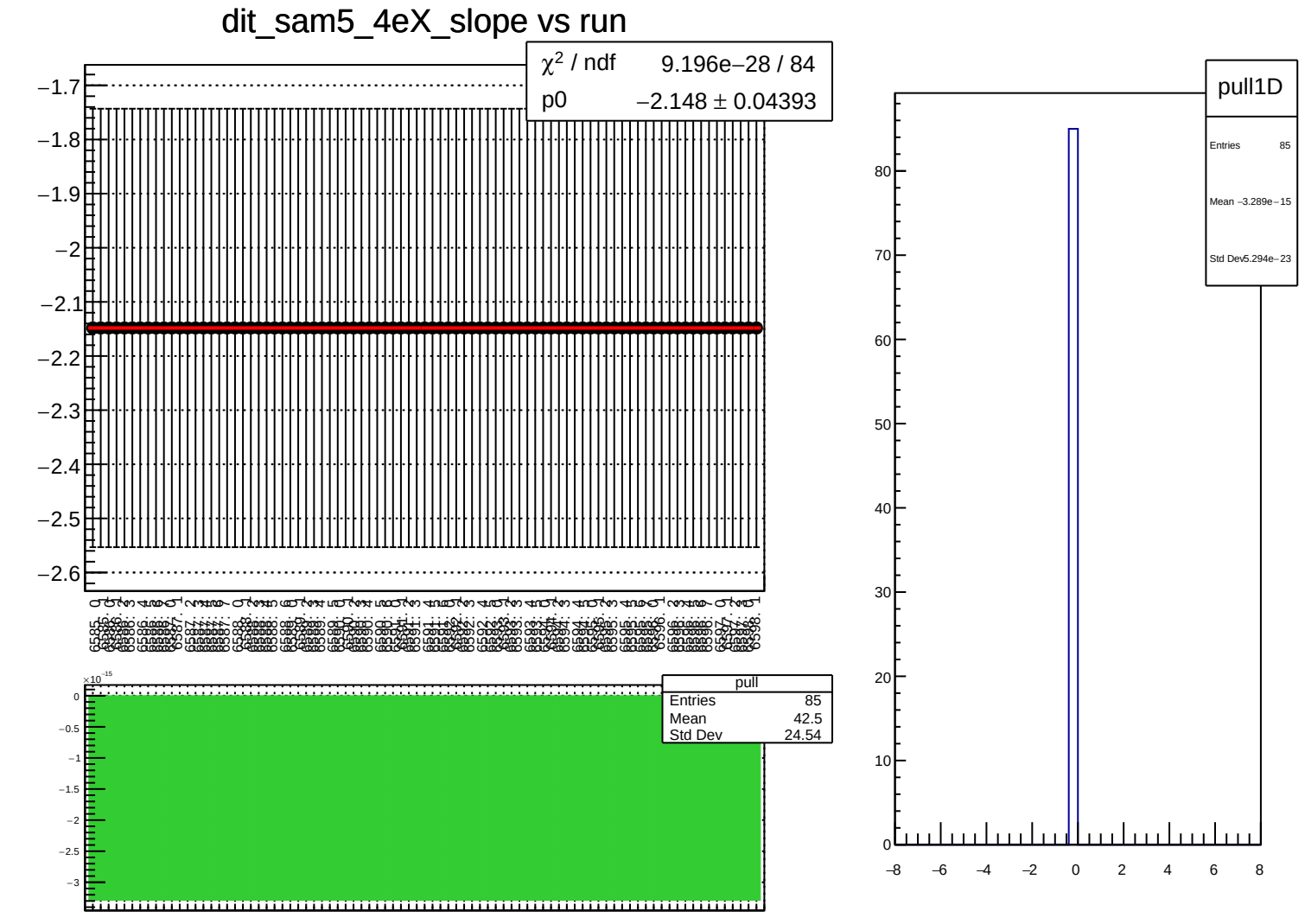

dit_sam4_11X12X_slope vs run
χ² / ndf 4.78e−28 / 84
p0 0.723 ± 0.01016
0.82
0.8
0.78
0.76
0.74
0.72
0.7
0.68
0.66
0.64
0.62
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −2.371e−15
Std Dev 6.484e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

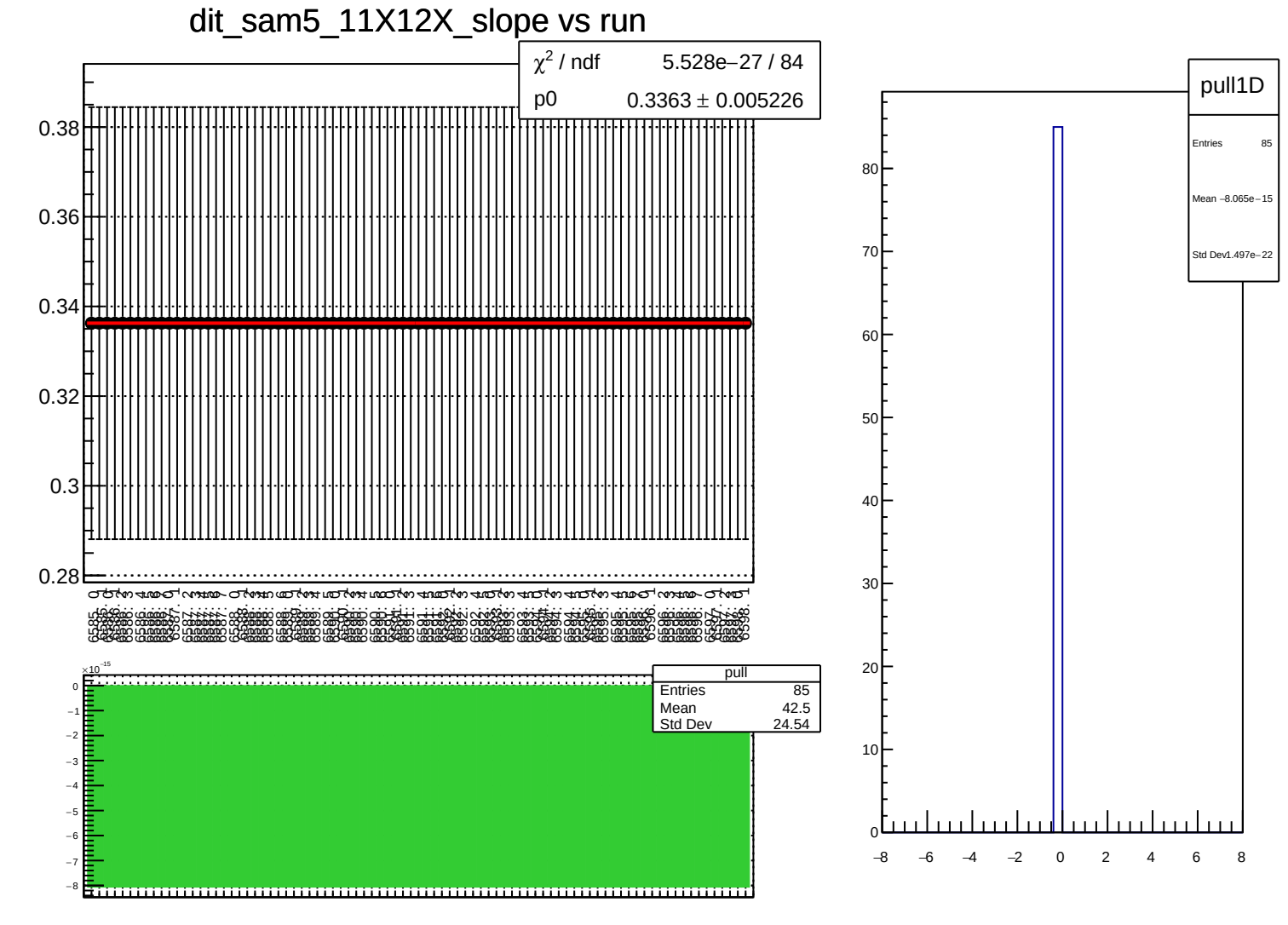

dit_sam4_4aY_slope vs run
χ² / ndf 6.464e−25 / 84
p0 −24.91 ± 0.08838
−24
−24.2
−24.4
−24.6
−24.8
−25
−25.2
−25.4
−25.6
−25.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
−80
−90
pull1D
Entries 85
Mean −8.721e−14
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

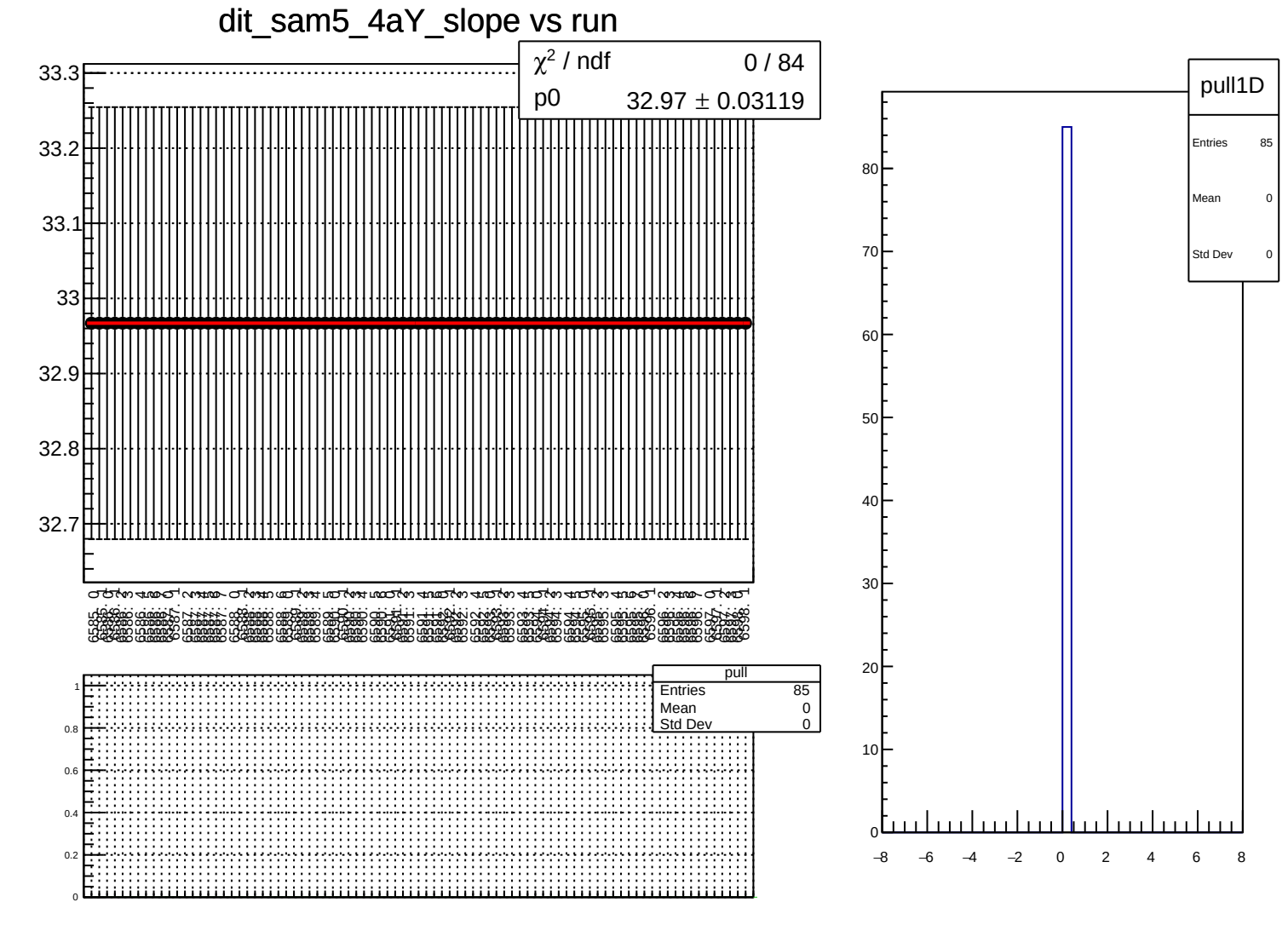

dit_sam4_4eY_slope vs run
χ² / ndf 3.824e−25 / 84
p0 289.6 ± 0.2758
292
291
290
289
288
287
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 85
Mean −6.707e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

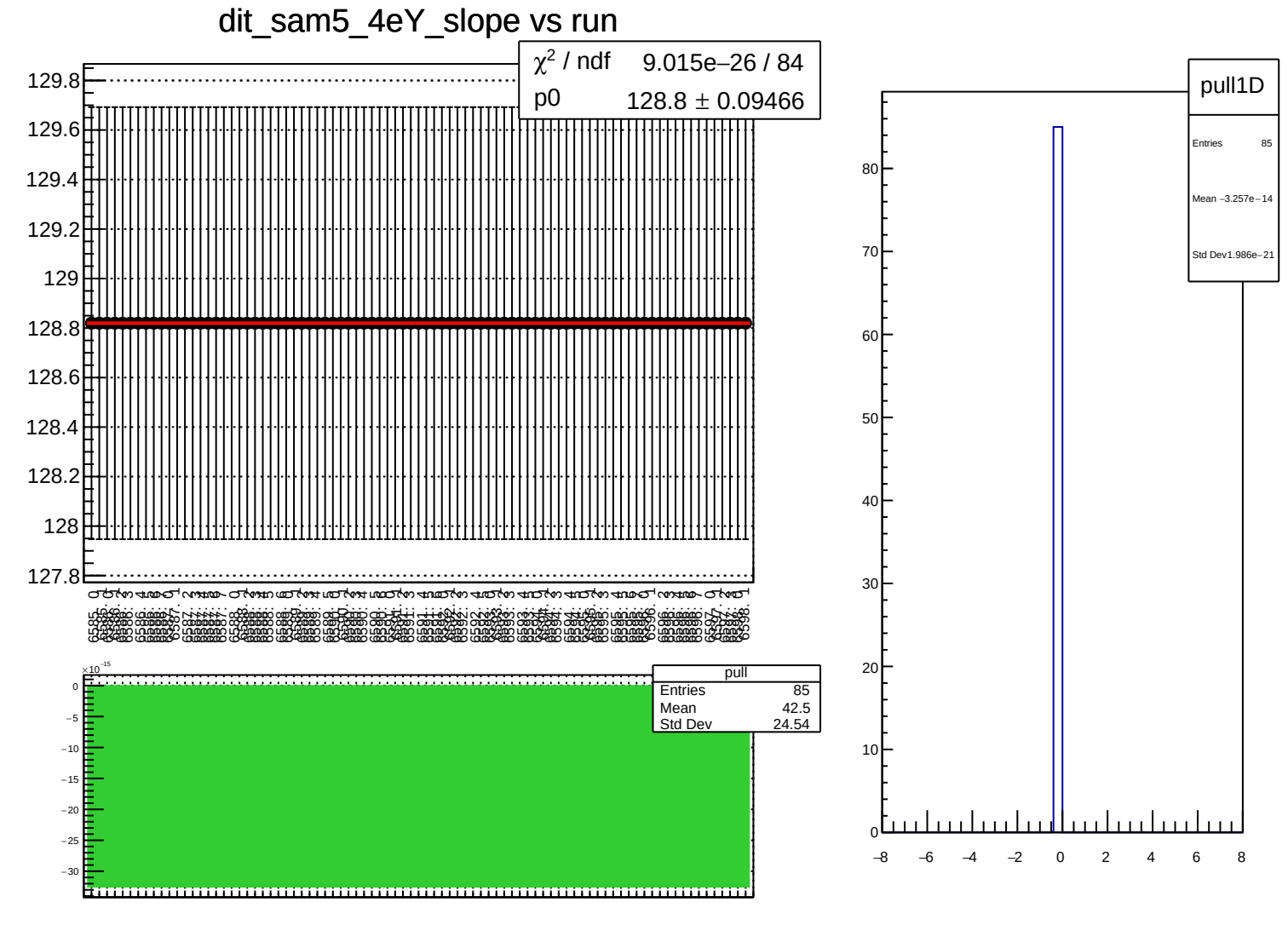

dit_sam5_4aX_slope vs run
χ² / ndf 8.58e−26 / 84
p0 4.484 ± 0.04852
5
4.8
4.6
4.4
4.2
4
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30

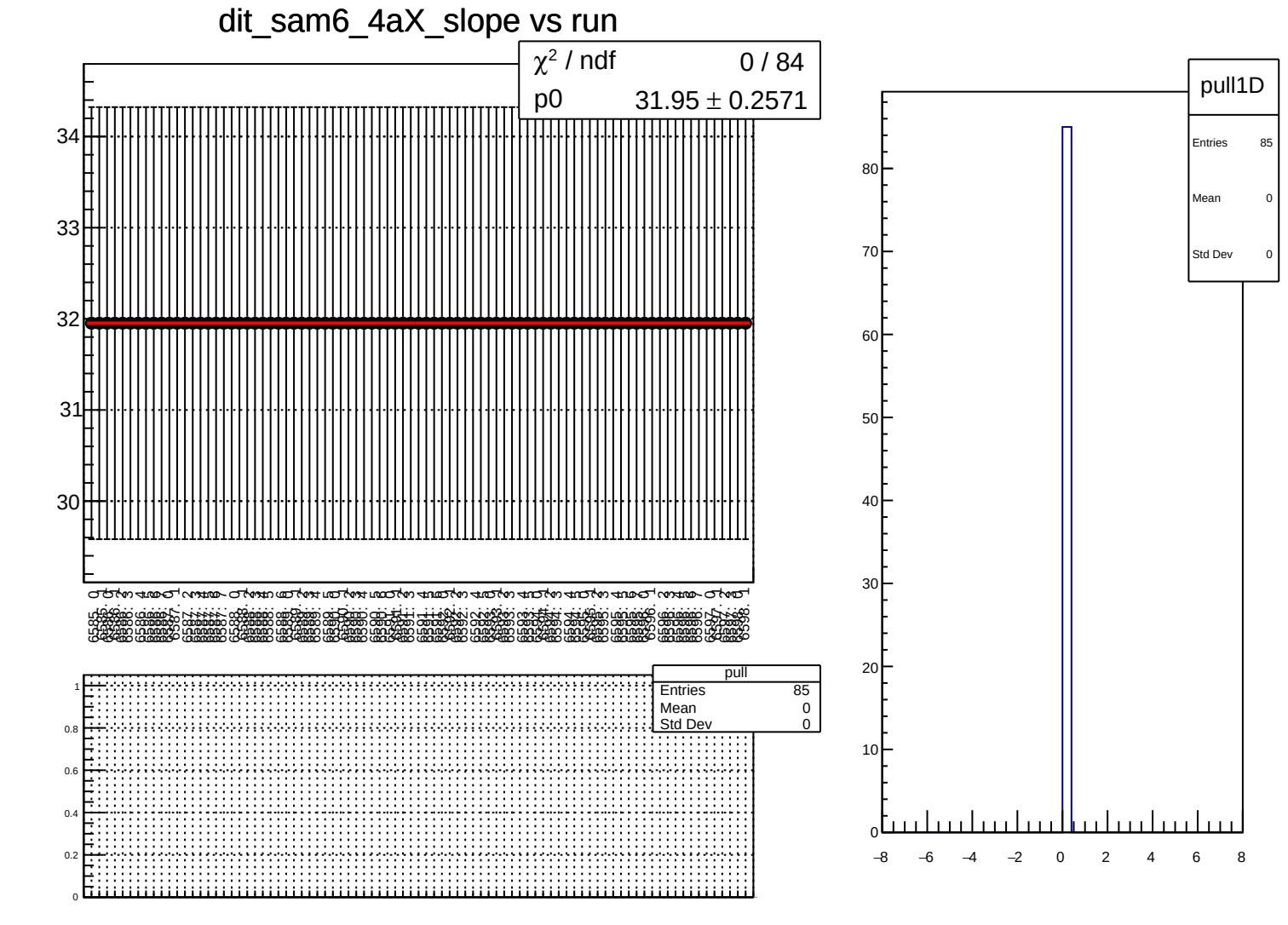

pull1D
Entries 85
Mean −3.177e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

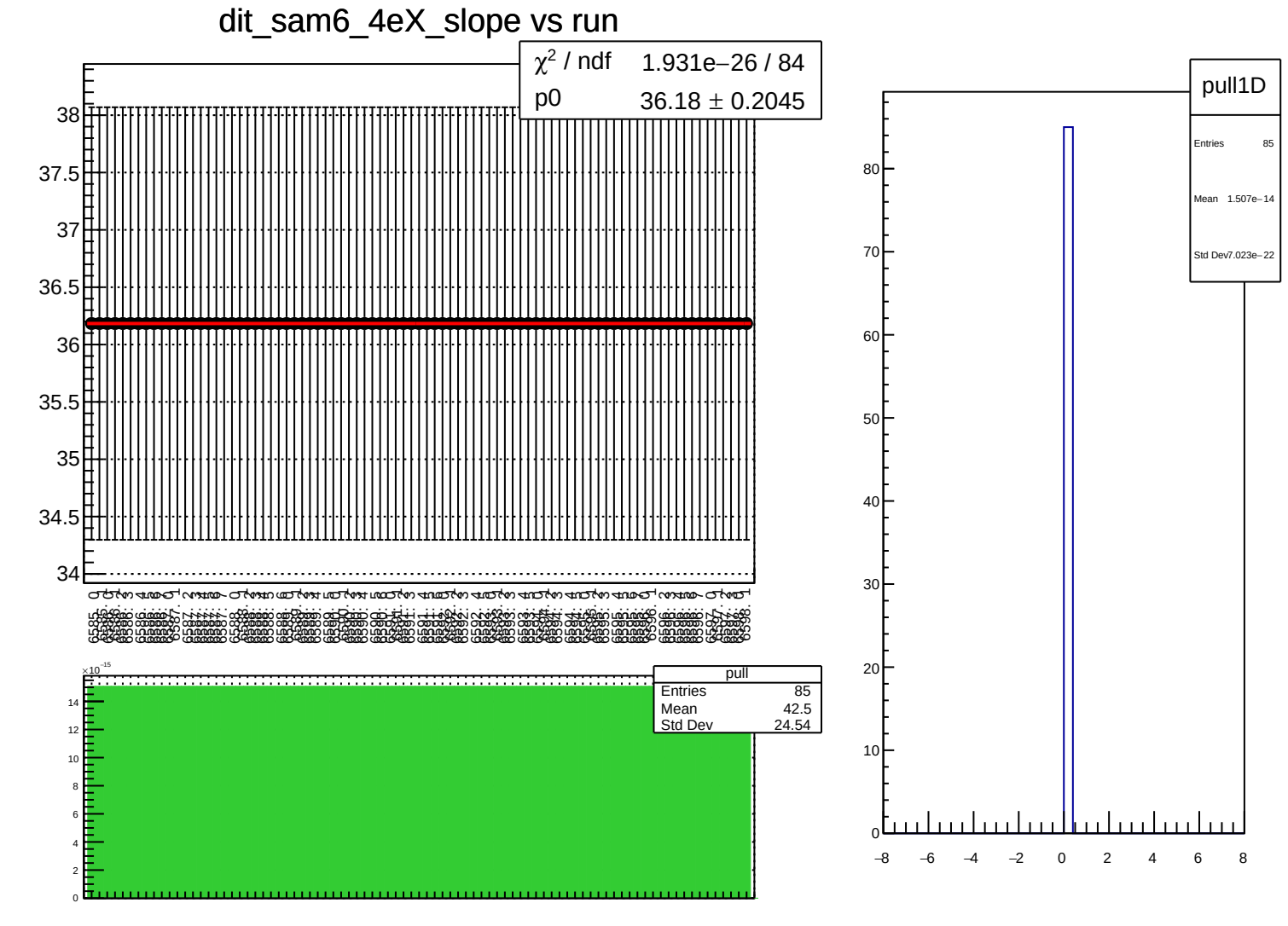

dit_sam5_4eX_slope vs run
χ² / ndf 9.196e−28 / 84
p0 −2.148 ± 0.04393
−1.7
−1.8
−1.9
−2
−2.1
−2.2
−2.3
−2.4
−2.5
−2.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 85
Mean −3.289e−15
Std Dev 5.294e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

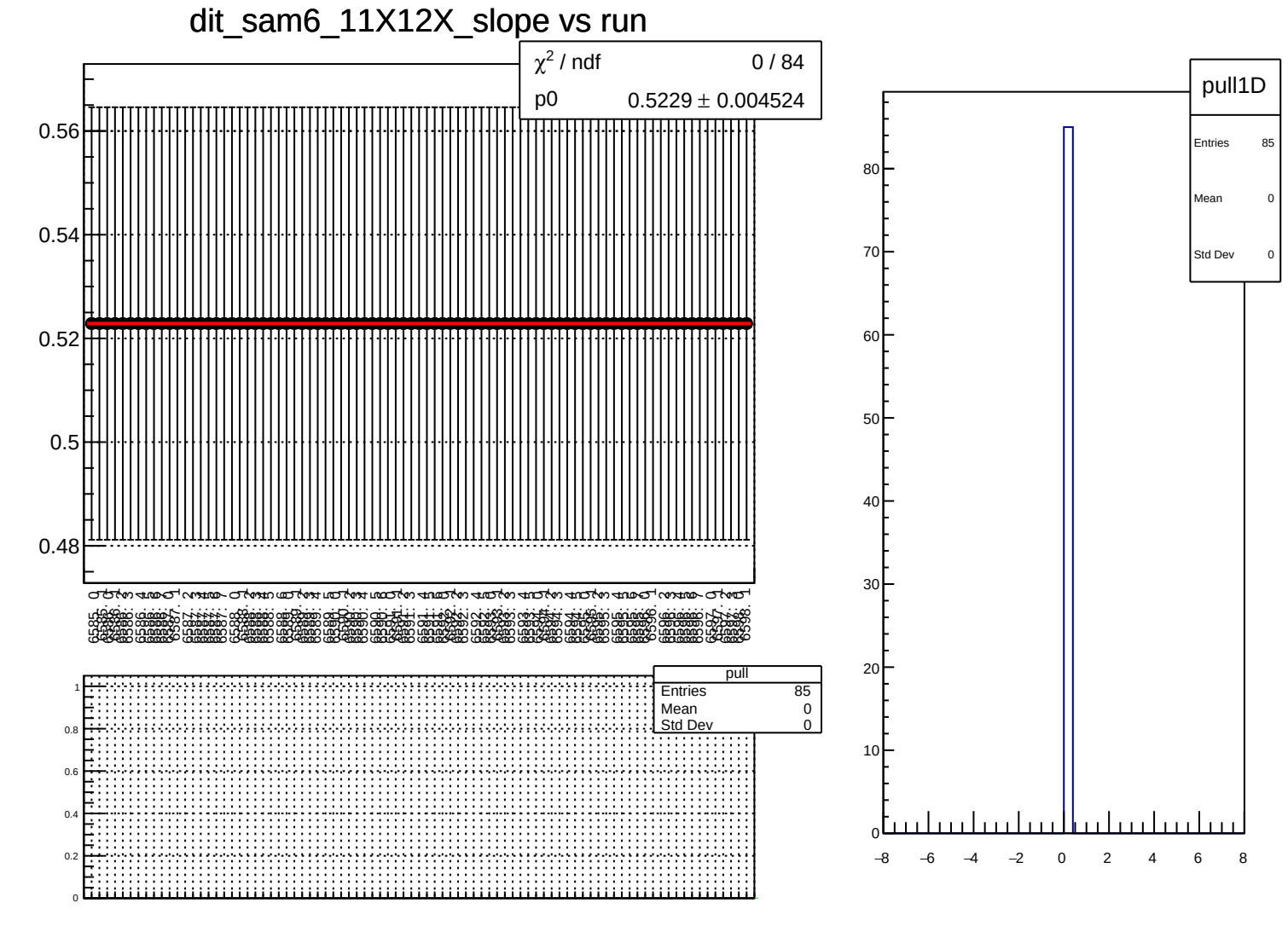

dit_sam5_11X12X_slope vs run
χ^2 / ndf 5.528e−27 / 84
p0 0.3363 ± 0.005226
0.38
0.36
0.34
0.32
0.3
0.28
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10^-15
pull1D
Entries 85
Mean −8.065e−15
Std Dev1.497e−22

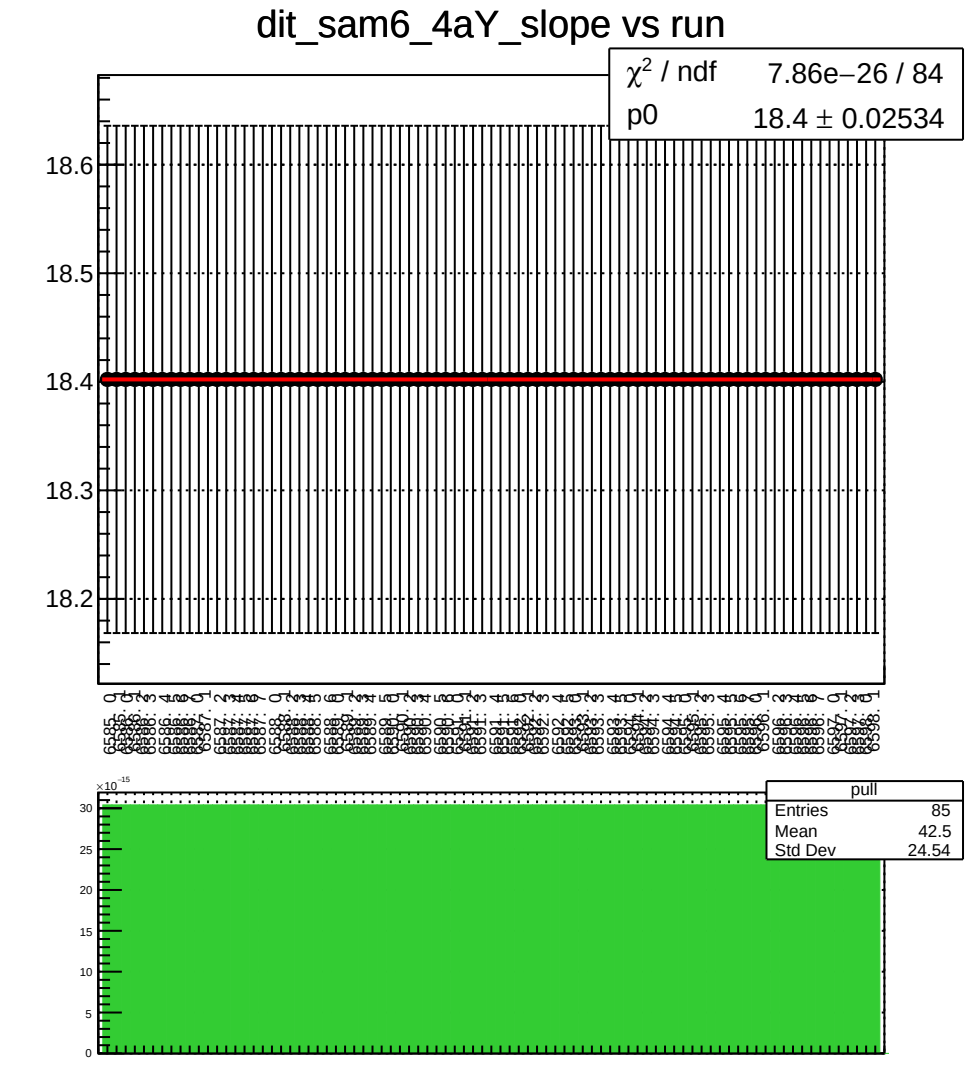

dit_sam5_4aY_slope vs run
χ² / ndf 0 / 84
p0 32.97 ± 0.03119
33.3
33.2
33.1
33
32.9
32.8
32.7
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

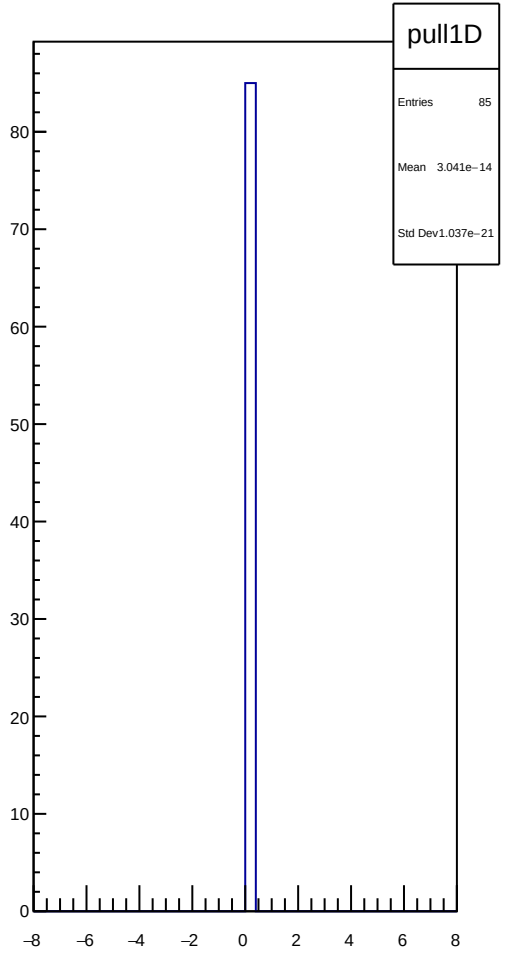

dit_sam5_4eY_slope vs run
χ² / ndf 9.015e−26 / 84
p0 128.8 ± 0.09466
129.8
129.6
129.4
129.2
129
128.8
128.6
128.4
128.2
128
127.8
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 85
Mean −3.257e−14
Std Dev1.986e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

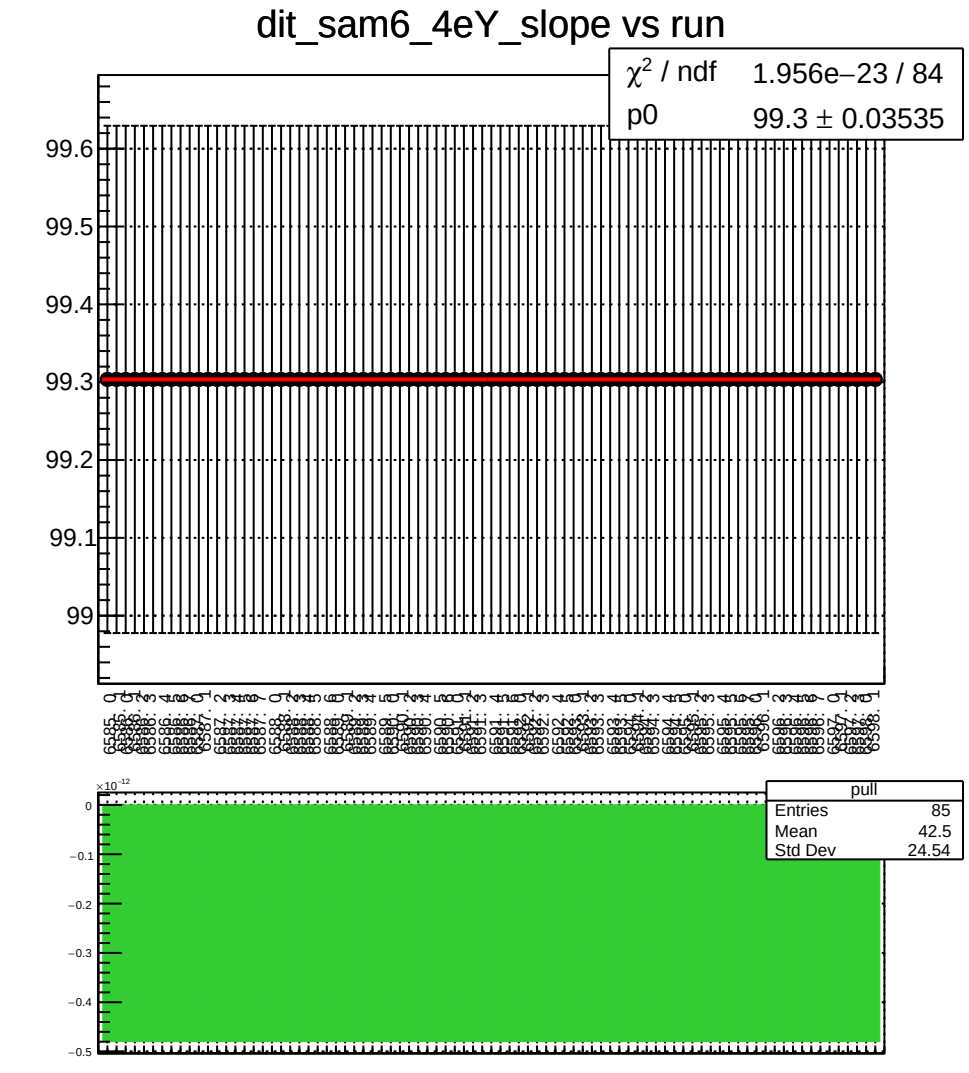

dit_sam6_4aX_slope vs run
χ² / ndf 0 / 84
p0 31.95 ± 0.2571
34
33
32
31
30
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

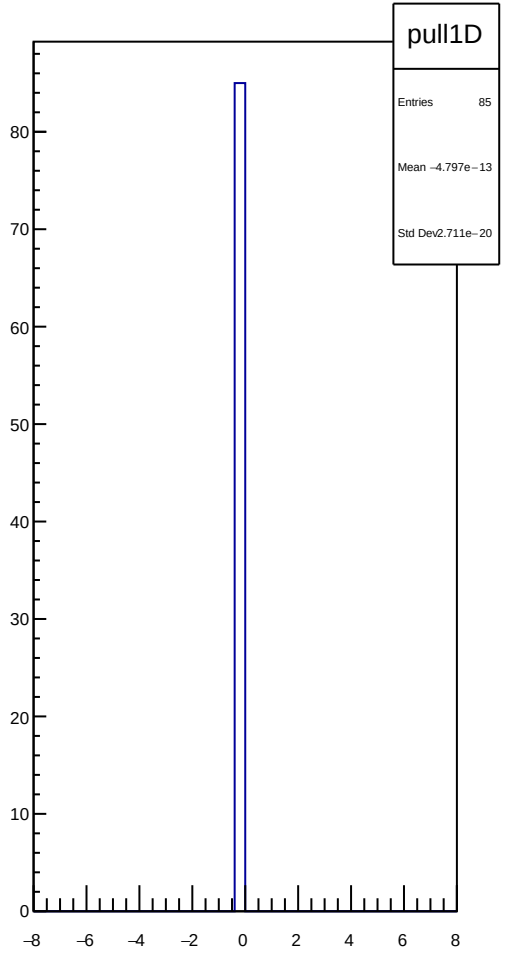

dit_sam6_4eX_slope vs run
χ² / ndf 1.931e−26 / 84
p0 36.18 ± 0.2045
38
37.5
37
36.5
36
35.5
35
34.5
34
×10⁻¹⁵
14
12
10
8
6
4
2
0
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 1.507e−14
Std Dev7.023e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

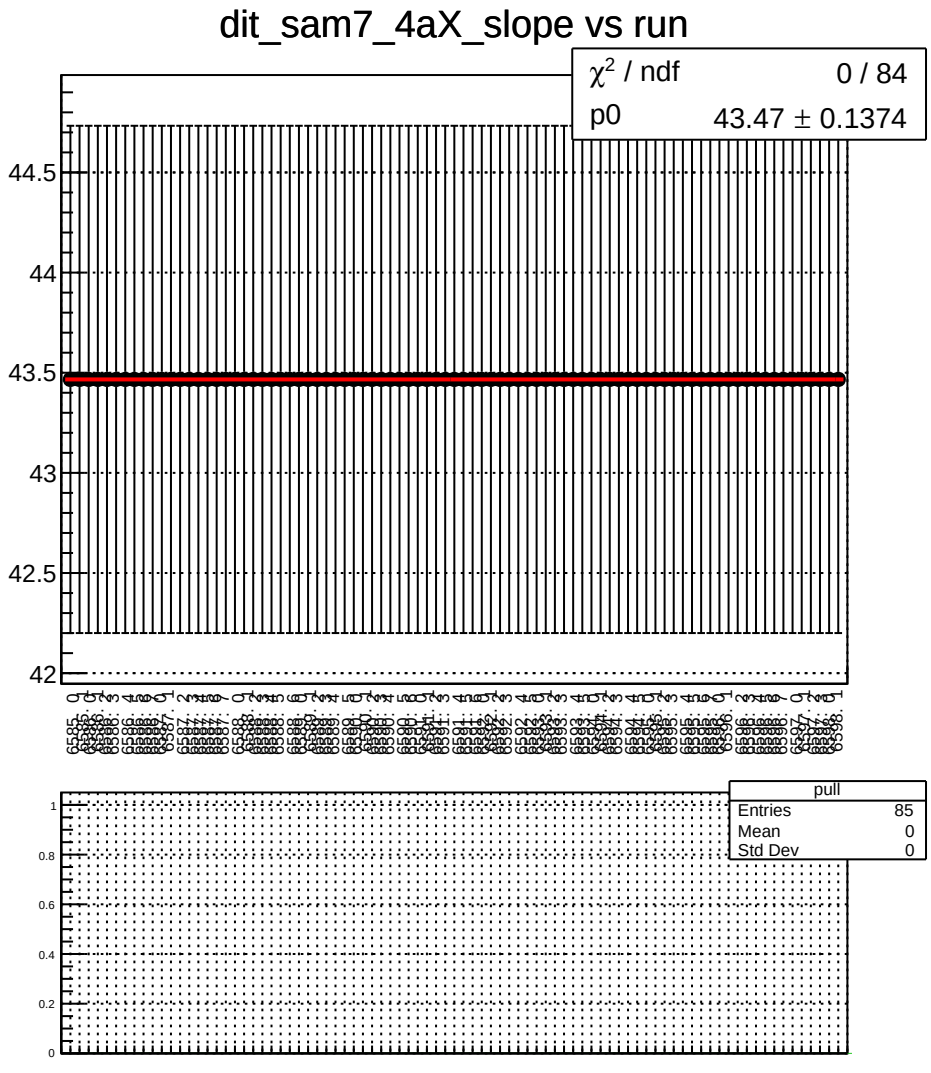

dit_sam6_11X12X_slope vs run
χ² / ndf 0 / 84
p0 0.5229 ± 0.004524
0.56
0.54
0.52
0.5
0.48
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

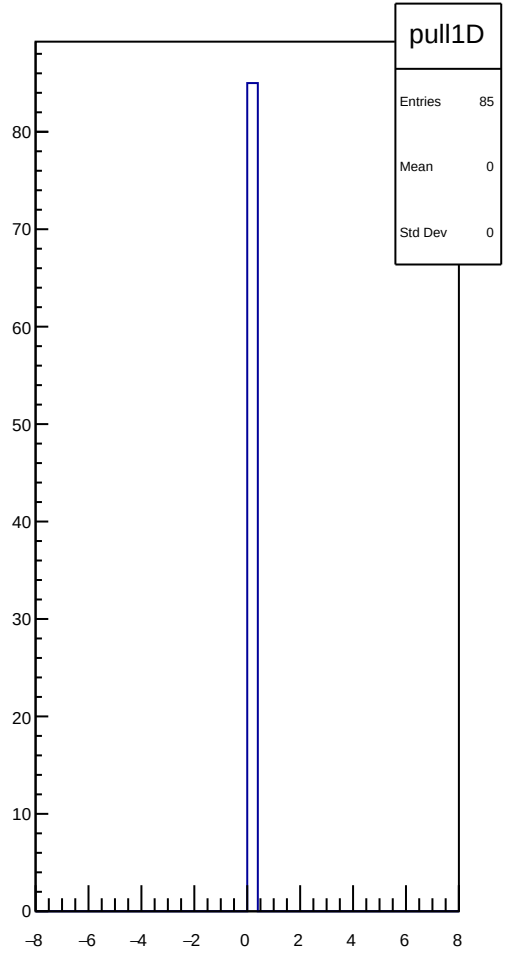

dit_sam6_4aY_slope vs run
χ² / ndf 7.86e−26 / 84
p0 18.4 ± 0.02534
18.6
18.5
18.4
18.3
18.2
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
30
25
20
15
10
5
0

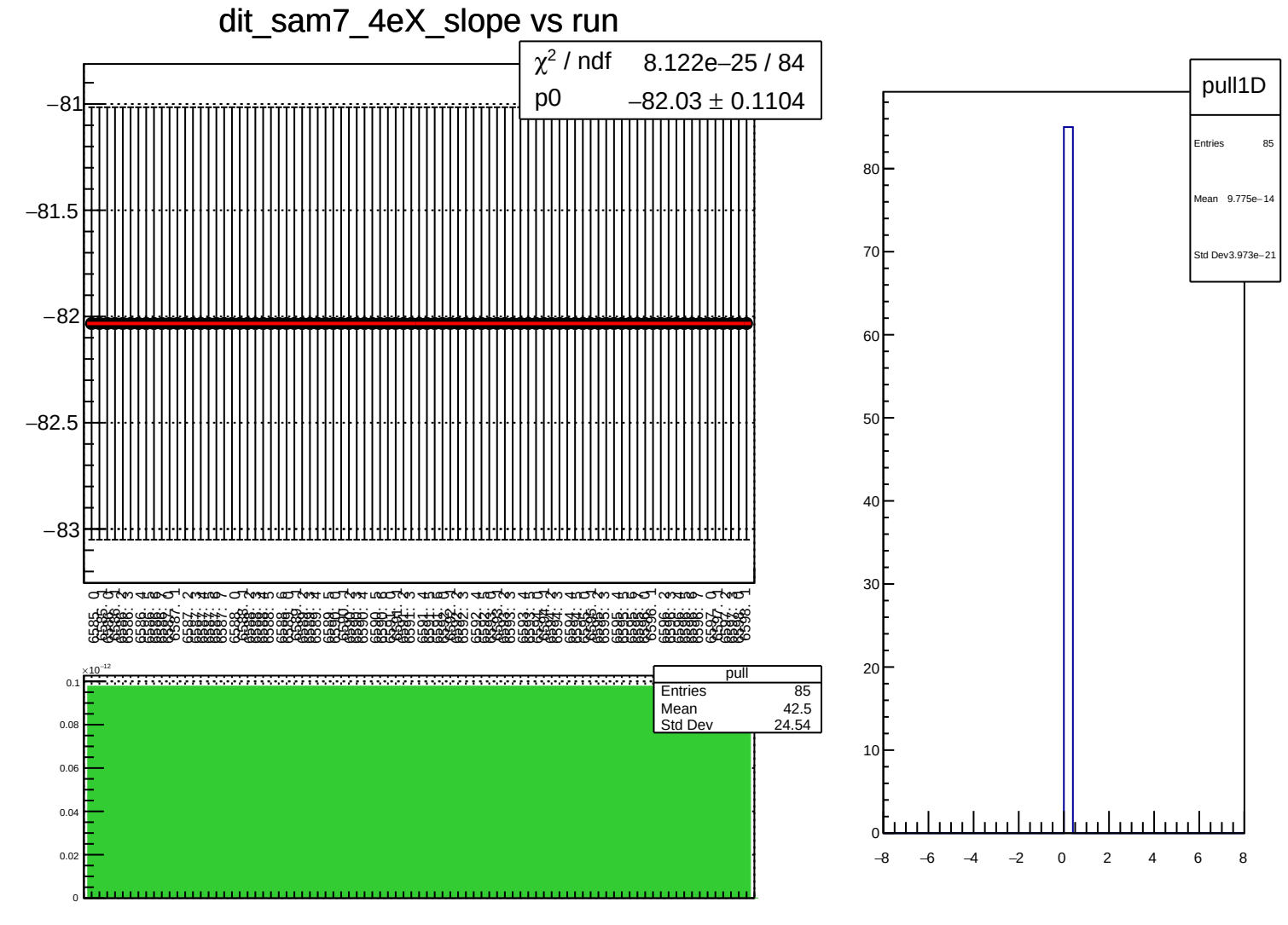

pull1D
Entries 85
Mean 3.041e−14
Std Dev1.037e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

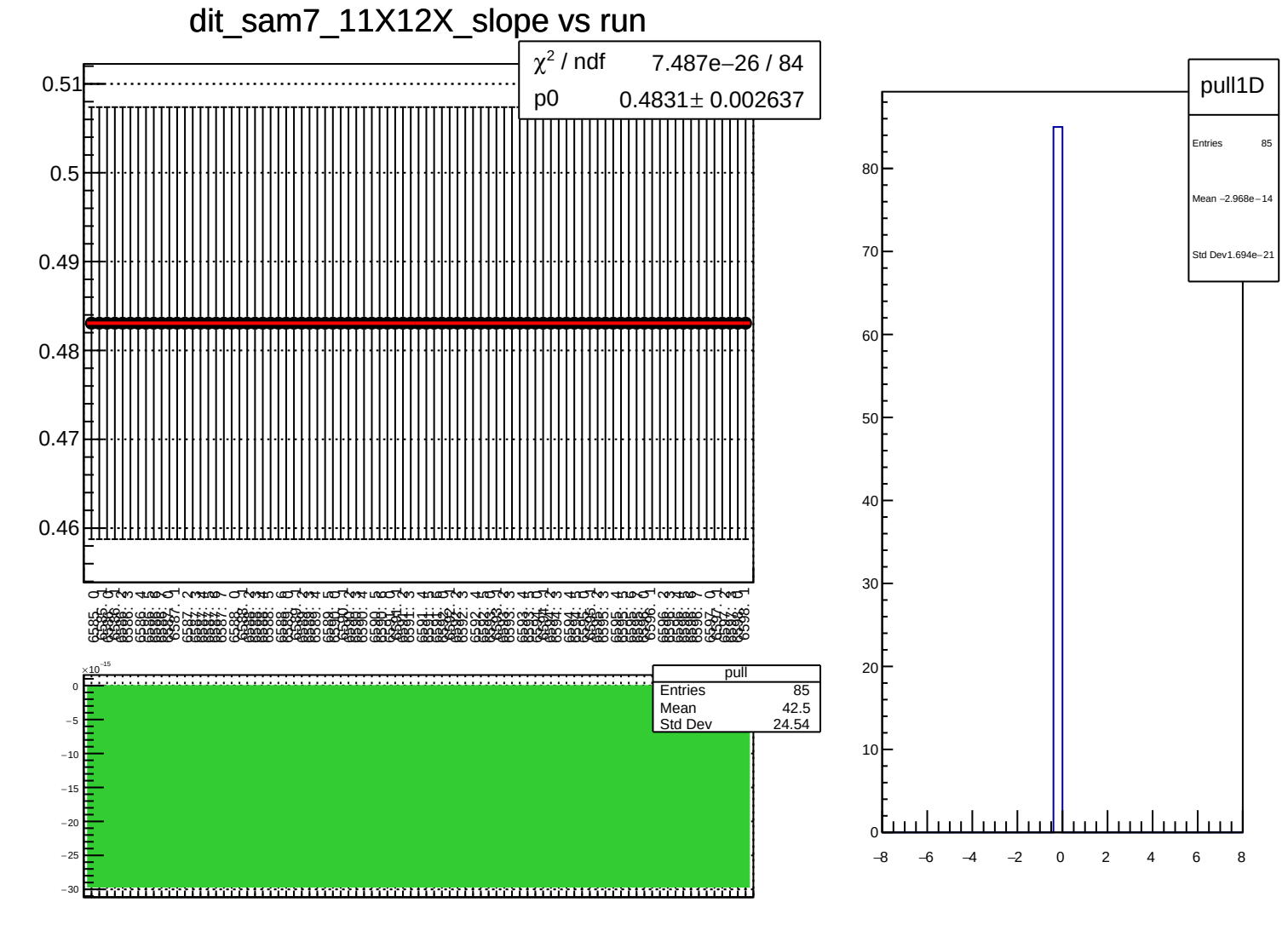

dit_sam6_4eY_slope vs run
χ² / ndf 1.956e−23 / 84
p0 99.3 ± 0.03535
99.6
99.5
99.4
99.3
99.2
99.1
99
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5

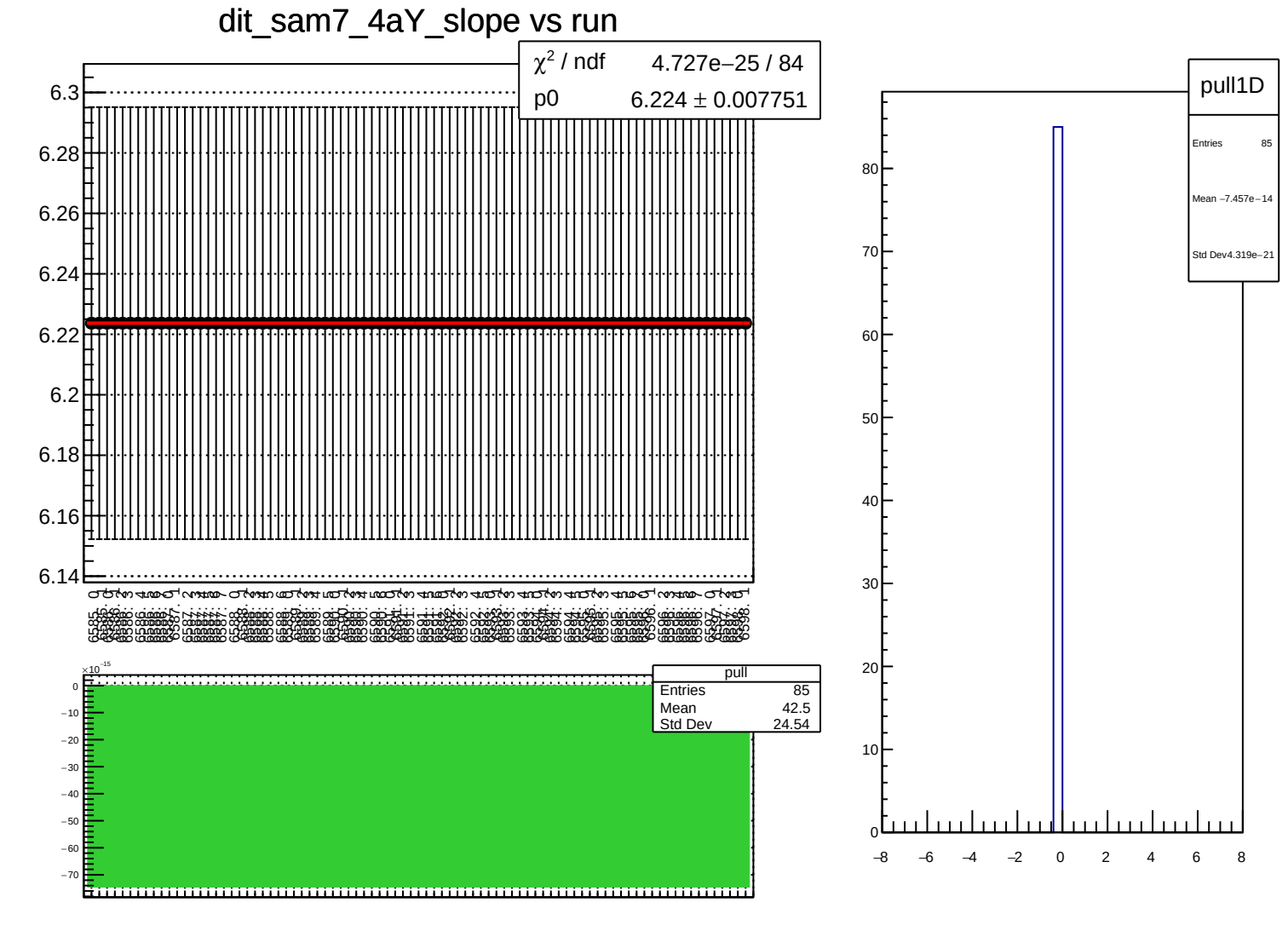

pull1D
Entries 85
Mean −4.797e−13
Std Dev 2.711e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

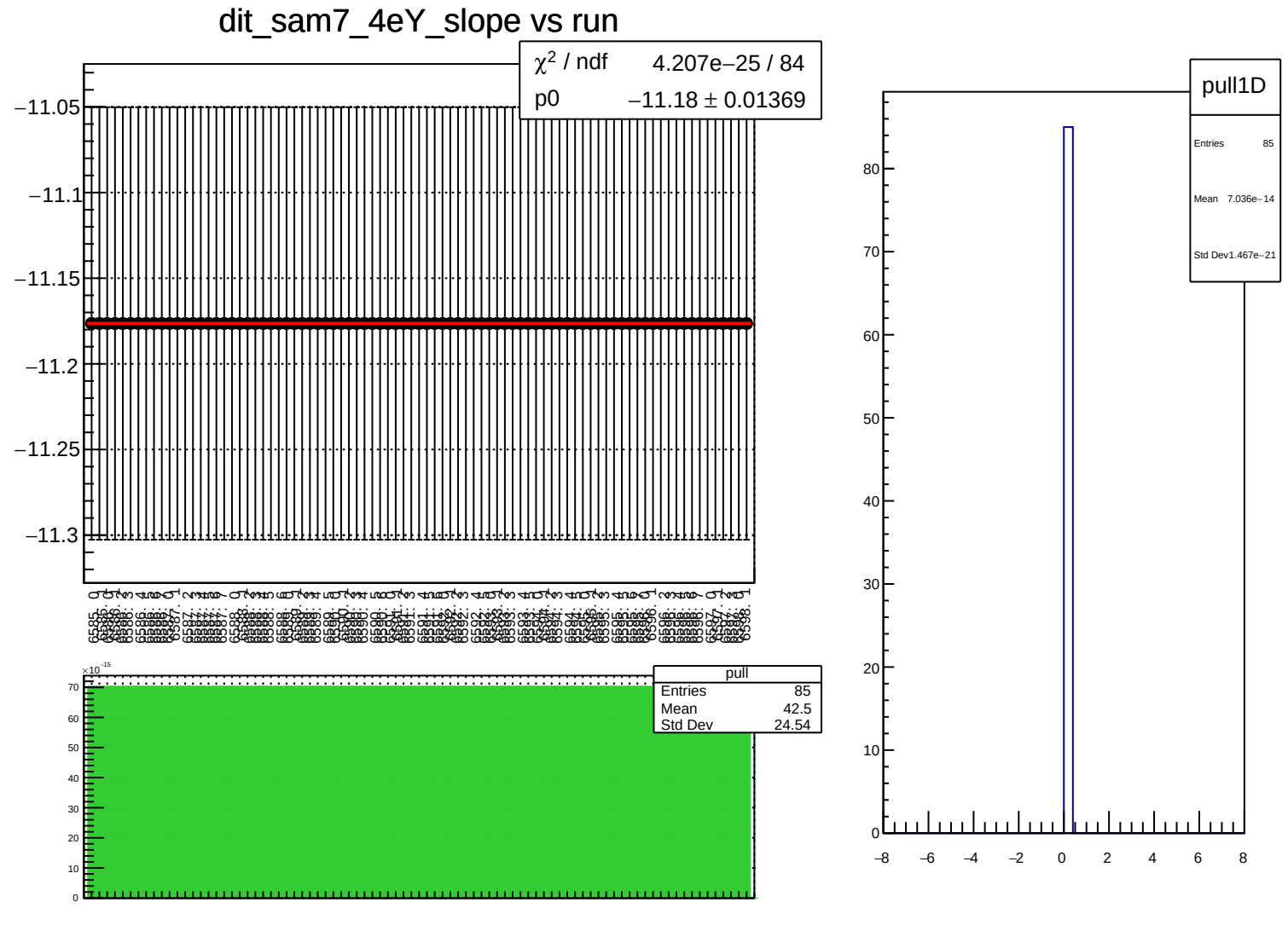

dit_sam7_4aX_slope vs run
χ² / ndf 0 / 84
p0 43.47 ± 0.1374
44.5
44
43.5
43
42.5
42
pull
Entries 85
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

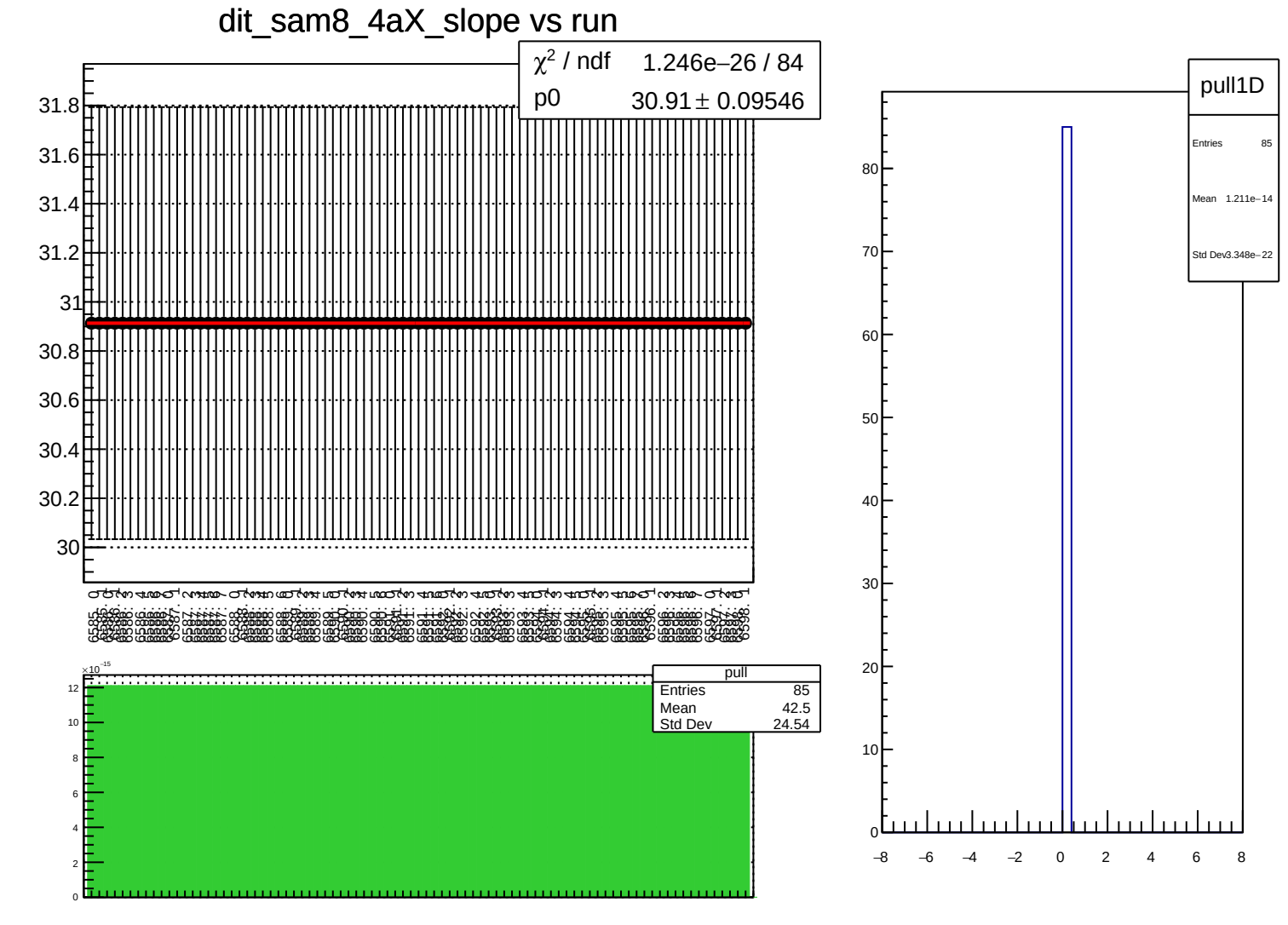

pull1D
Entries 85
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

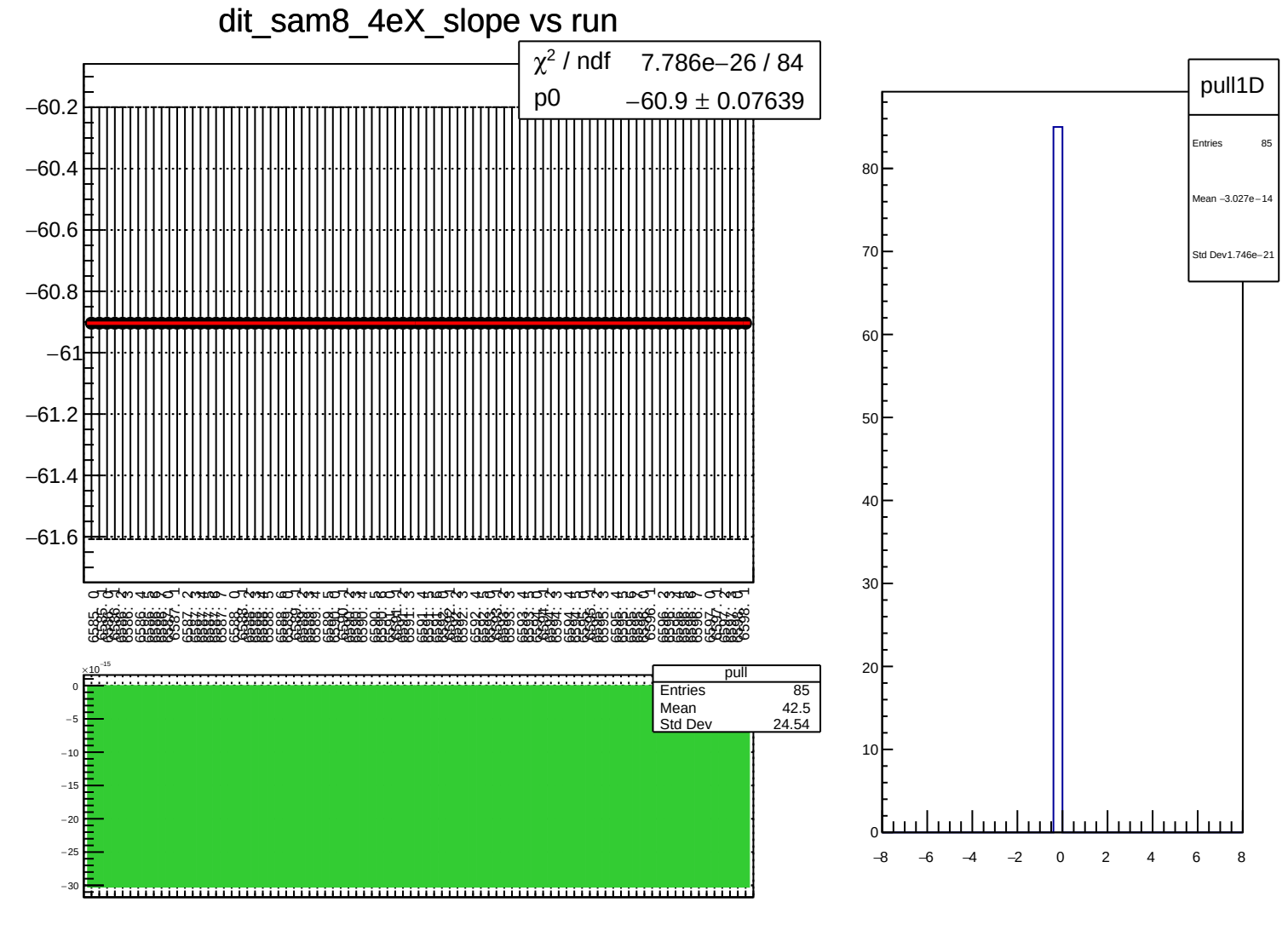

dit_sam7_4eX_slope vs run
χ² / ndf 8.122e−25 / 84
p0 −82.03 ± 0.1104
−81
−81.5
−82
−82.5
−83
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 85
Mean 9.775e−14
Std Dev3.973e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

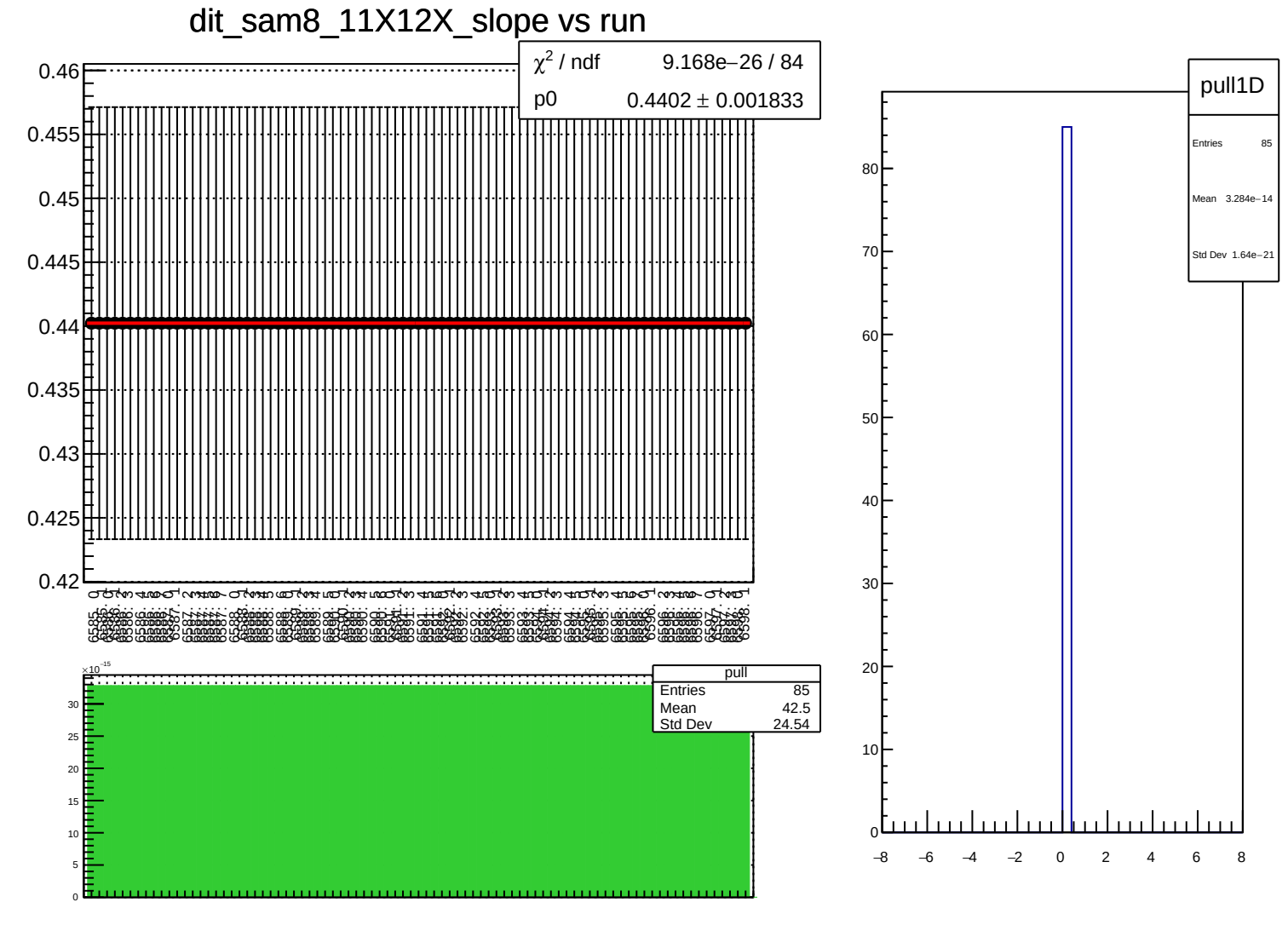

dit_sam7_11X12X_slope vs run
χ² / ndf 7.487e−26 / 84
p0 0.4831± 0.002637
0.51
0.5
0.49
0.48
0.47
0.46
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 85
Mean −2.968e−14
Std Dev1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

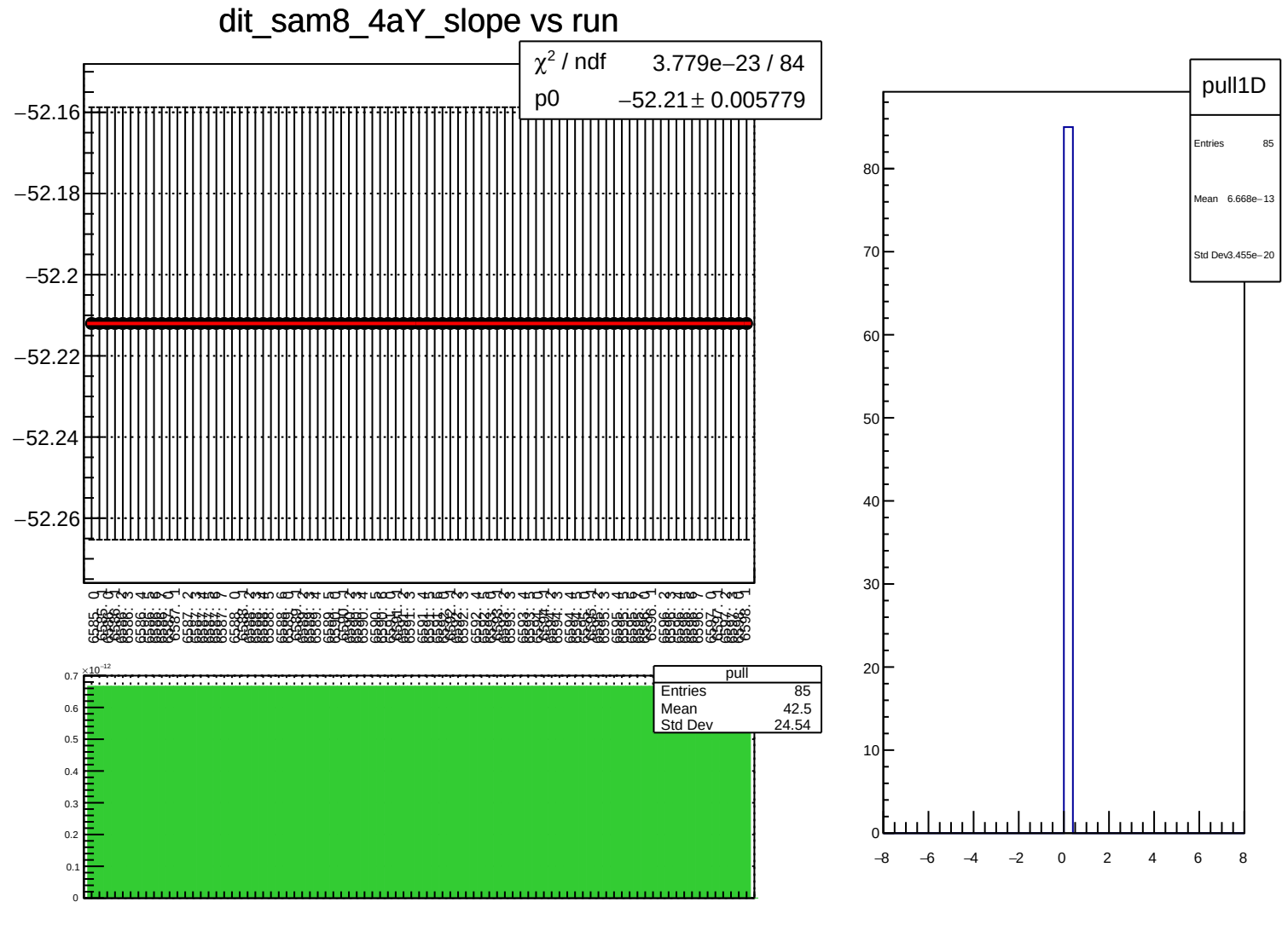

dit_sam7_4aY_slope vs run
χ² / ndf 4.727e−25 / 84
p0 6.224 ± 0.007751
6.3
6.28
6.26
6.24
6.22
6.2
6.18
6.16
6.14
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 85
Mean −7.457e−14
Std Dev4.319e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

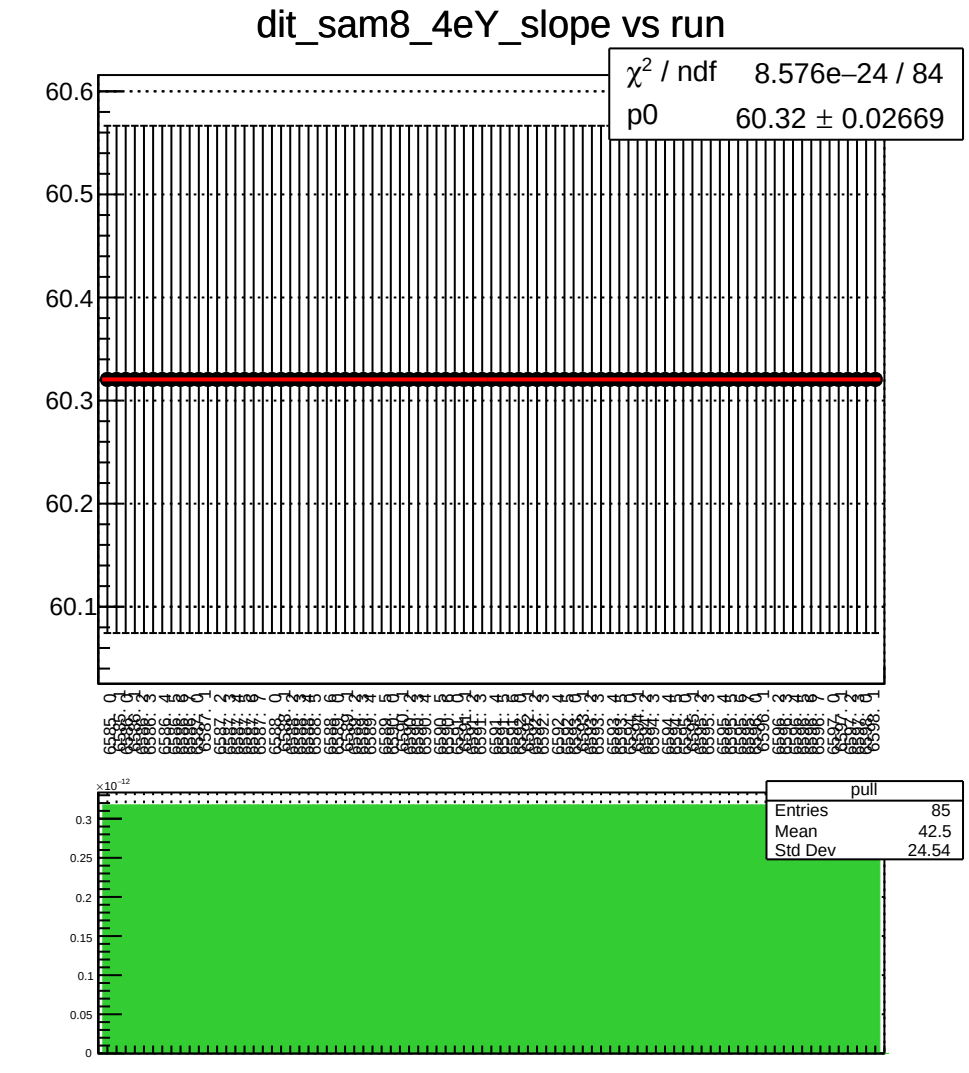

dit_sam7_4eY_slope vs run
χ² / ndf 4.207e−25 / 84
p0 −11.18 ± 0.01369
−11.05
−11.1
−11.15
−11.2
−11.25
−11.3
pull
Entries 85
Mean 42.5
Std Dev 24.54
pull1D
Entries 85
Mean 7.036e−14
Std Dev1.467e−21

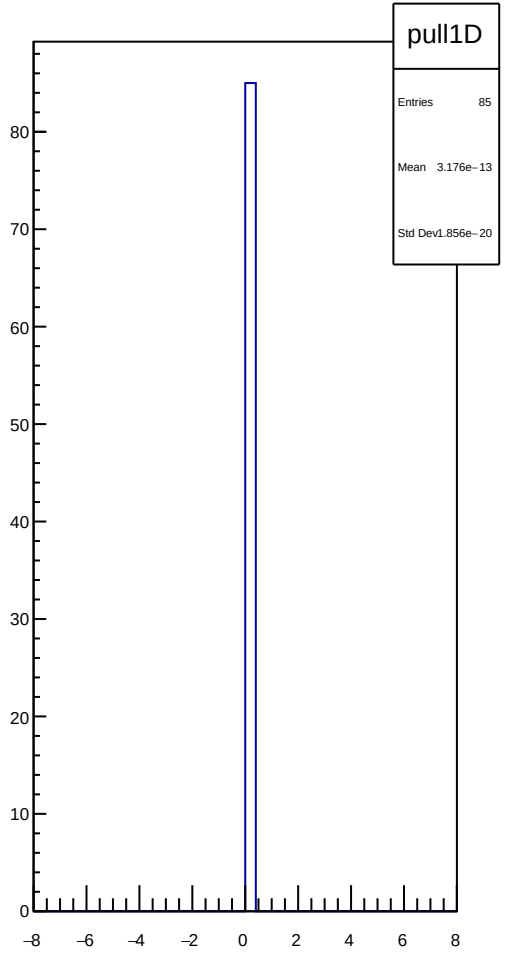

dit_sam8_4aX_slope vs run
χ² / ndf 1.246e−26 / 84
p0 30.91 ± 0.09546
31.8
31.6
31.4
31.2
31
30.8
30.6
30.4
30.2
30
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
12
10
8
6
4
2
0
pull1D
Entries 85
Mean 1.211e−14
Std Dev 3.348e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

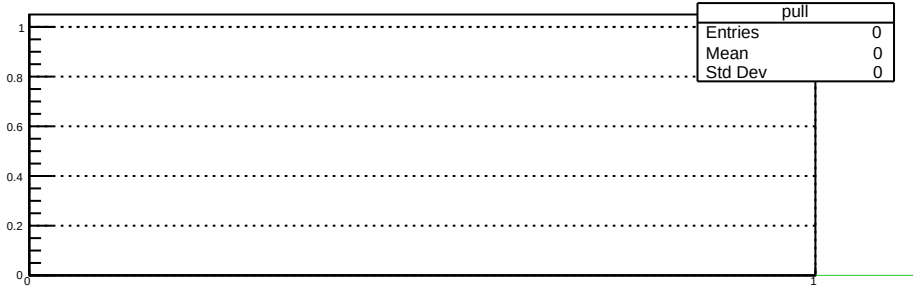

dit_sam8_4eX_slope vs run
χ² / ndf 7.786e−26 / 84
p0 −60.9 ± 0.07639
−60.2
−60.4
−60.6
−60.8
−61
−61.2
−61.4
−61.6
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 85
Mean −3.027e−14
Std Dev1.746e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

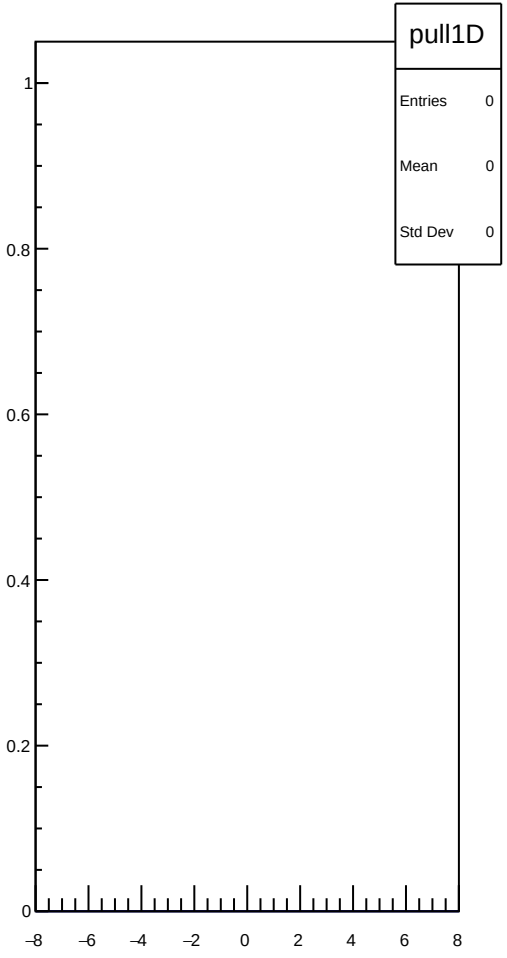

dit_sam8_11X12X_slope vs run
χ^2 / ndf 9.168e−26 / 84
p0 0.4402 ± 0.001833
0.46
0.455
0.45
0.445
0.44
0.435
0.43
0.425
0.42
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹⁵
30
25
20
15
10
5
0
pull1D
Entries 85
Mean 3.284e−14
Std Dev 1.64e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

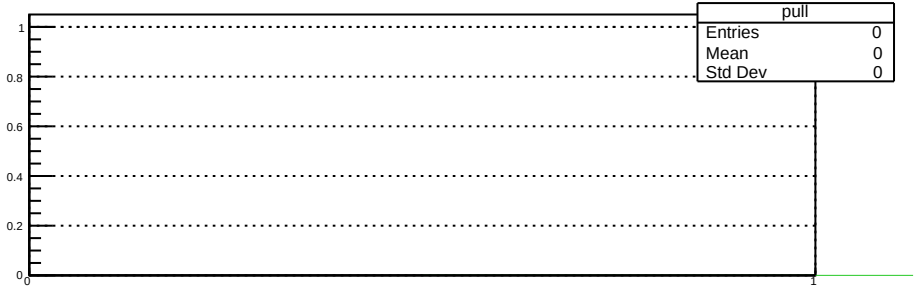

dit_sam8_4aY_slope vs run
χ² / ndf 3.779e−23 / 84
p0 −52.21 ± 0.005779
−52.16
−52.18
−52.2
−52.22
−52.24
−52.26
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
pull1D
Entries 85
Mean 6.668e−13
Std Dev 3.455e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

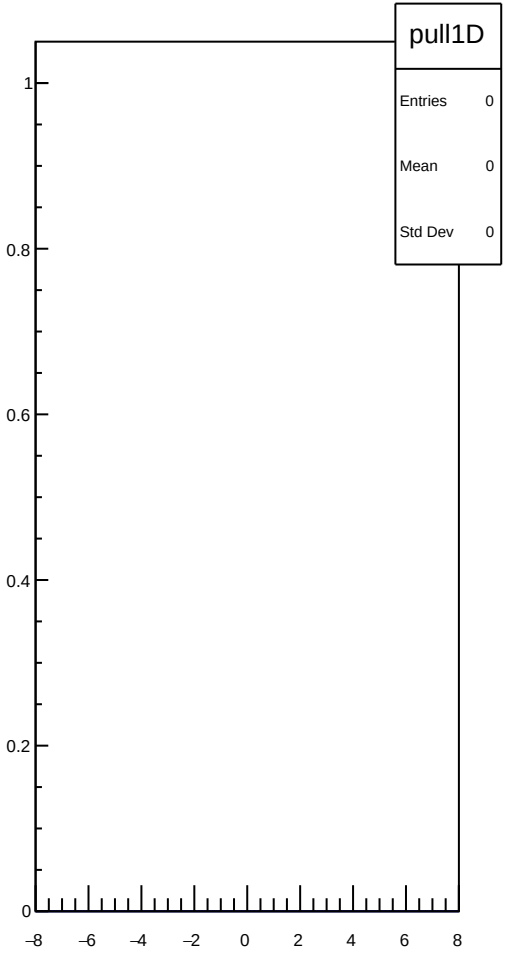

dit_sam8_4eY_slope vs run
χ^2 / ndf 8.576e−24 / 84
p0 60.32 ± 0.02669
60.6
60.5
60.4
60.3
60.2
60.1
pull
Entries 85
Mean 42.5
Std Dev 24.54
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0

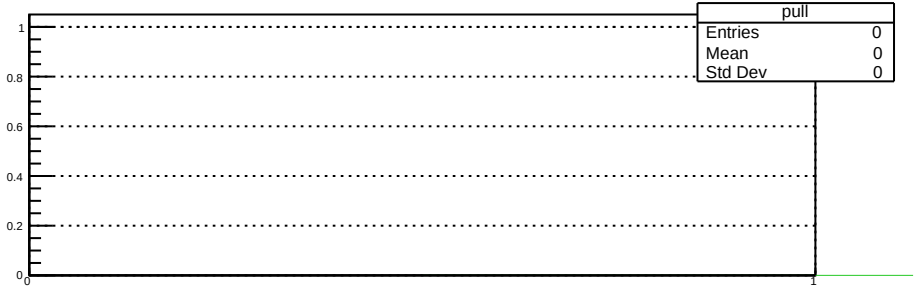

pull1D
Entries 85
Mean 3.176e−13
Std Dev1.856e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

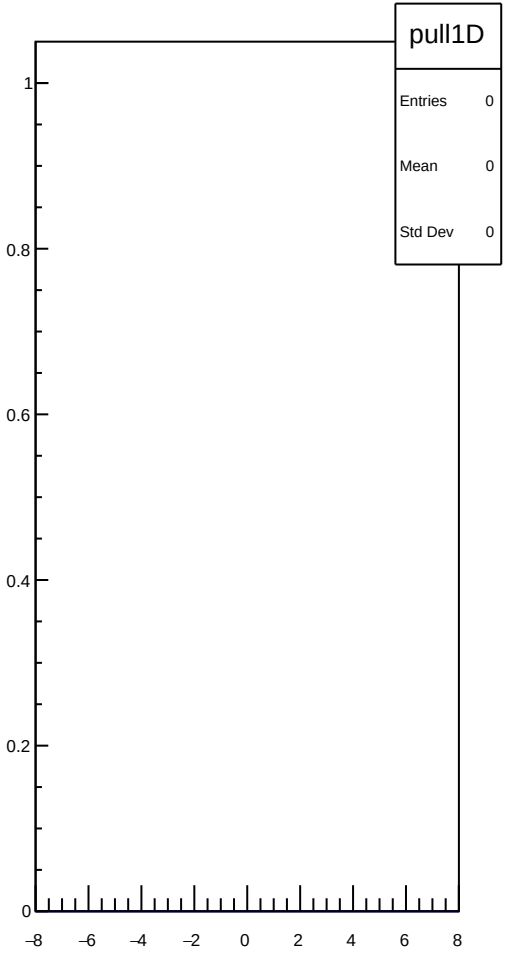

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

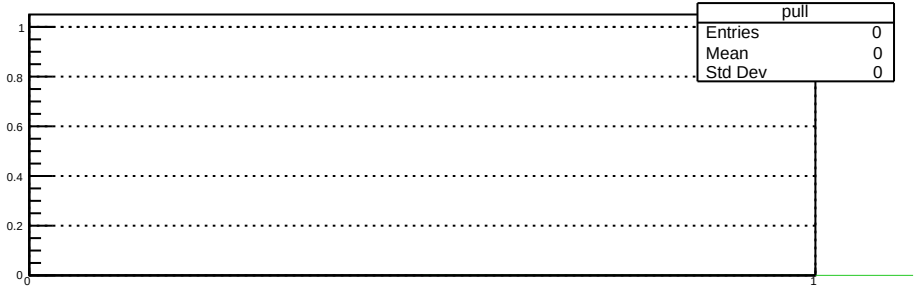

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

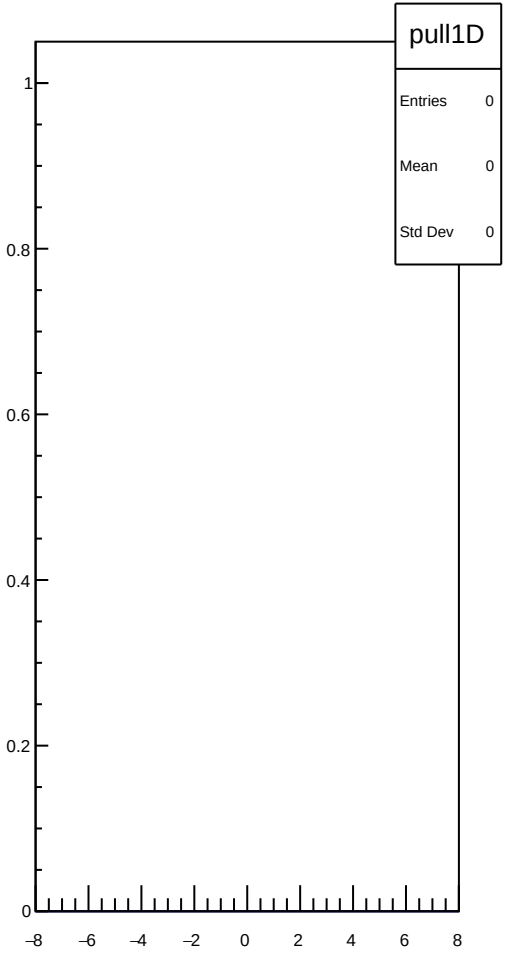

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

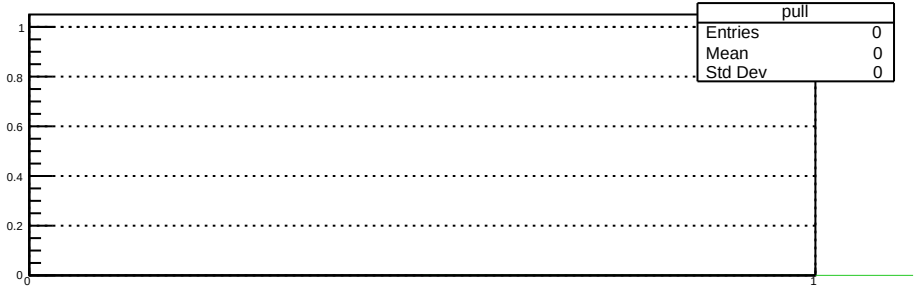

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

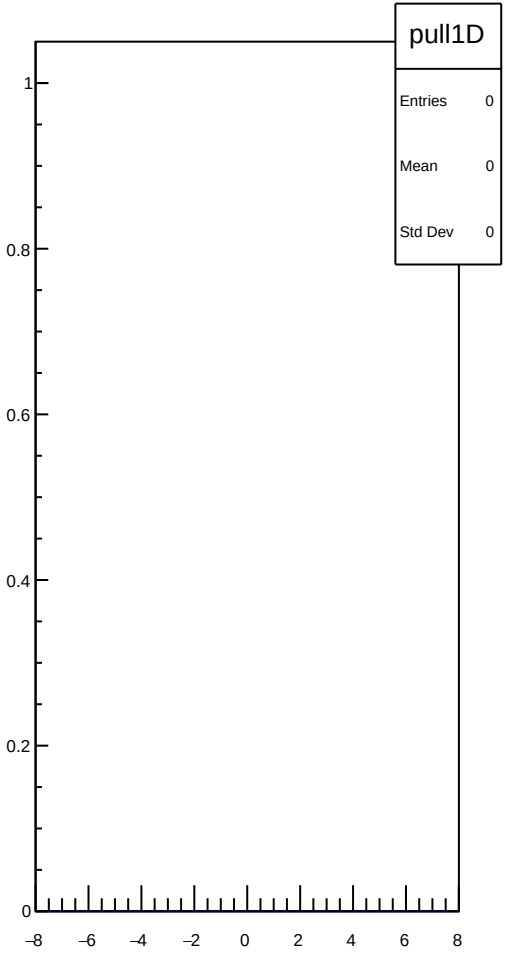

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

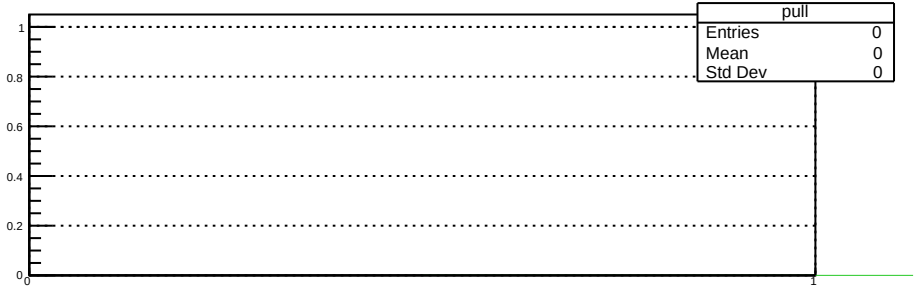

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

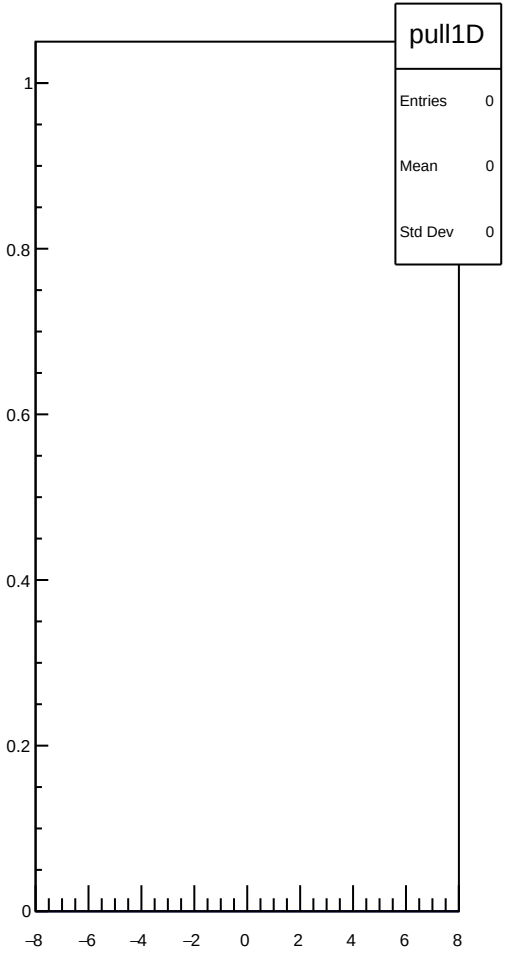

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

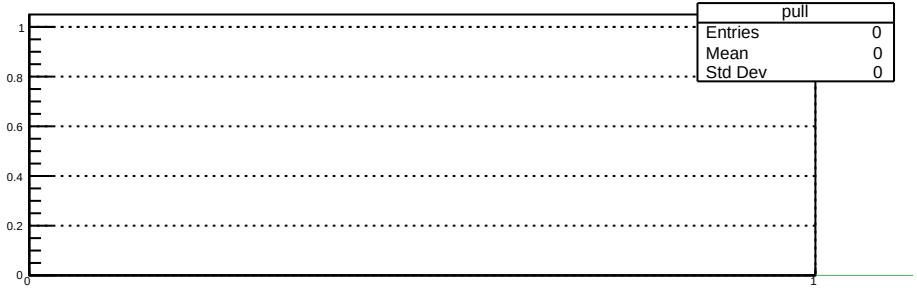

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

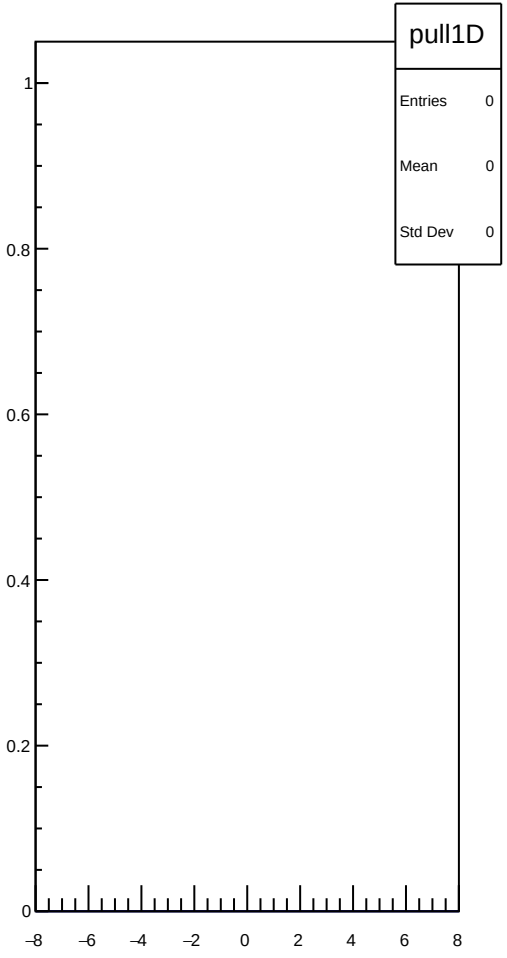

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

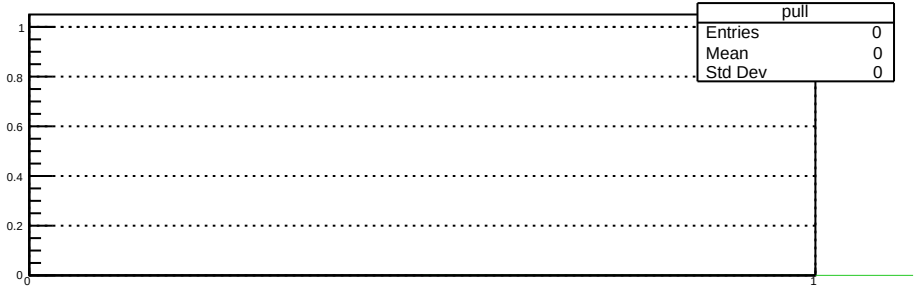

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

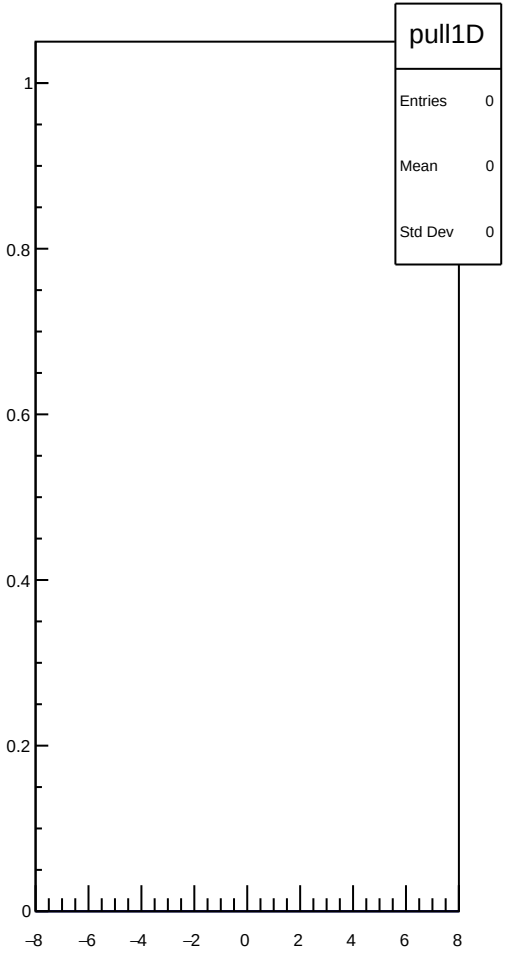

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

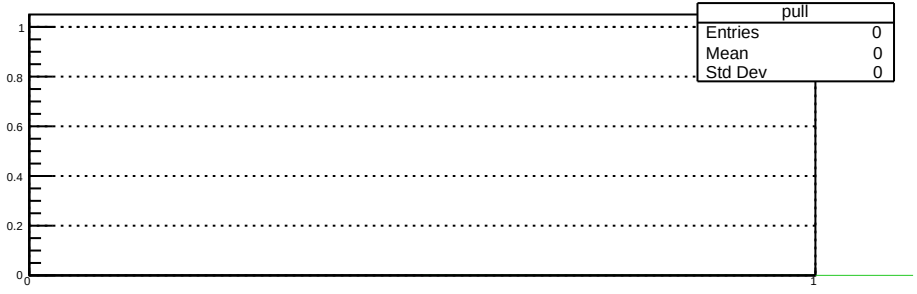

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

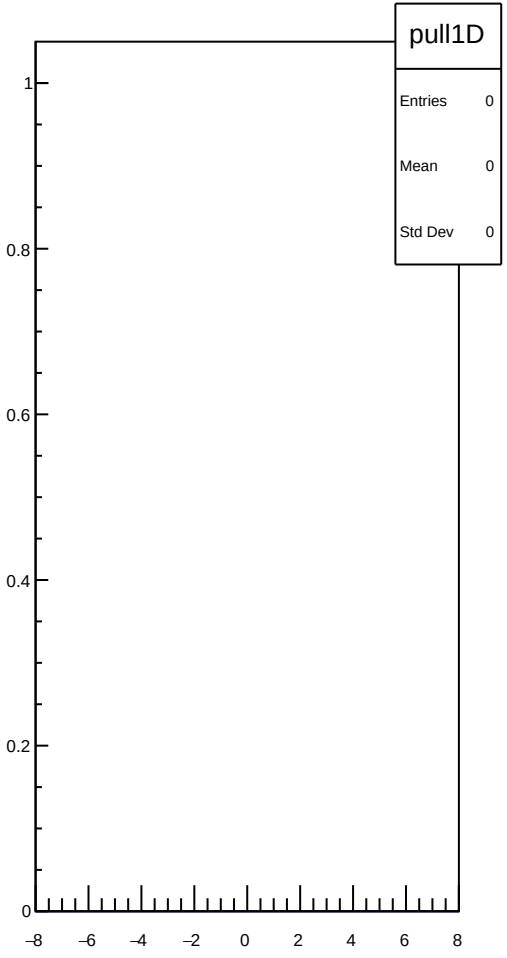

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

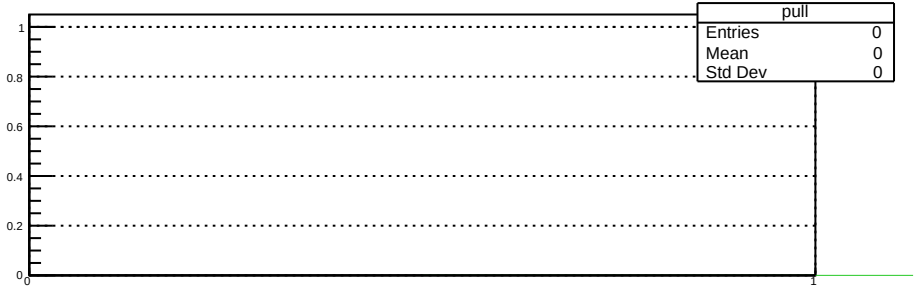

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

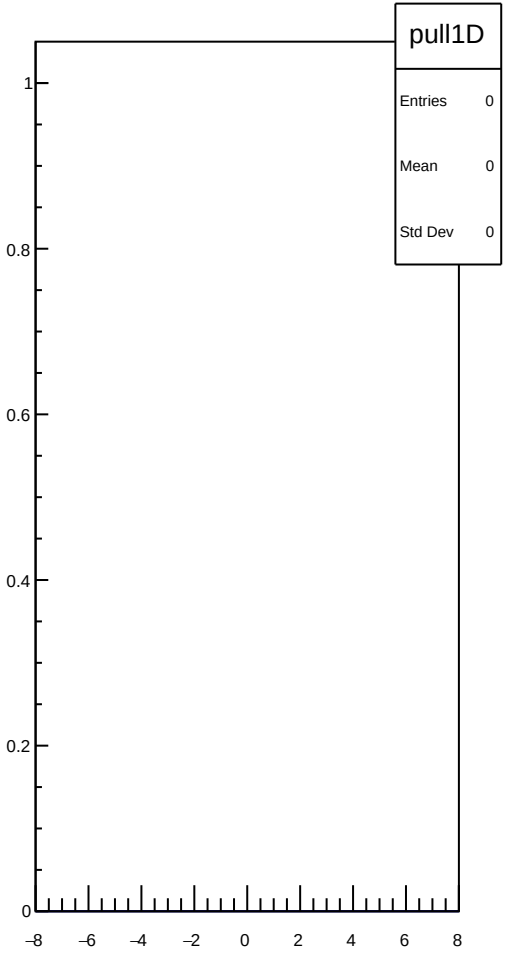

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

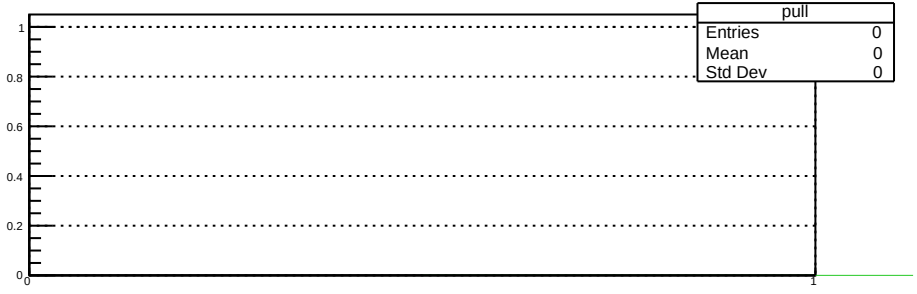

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

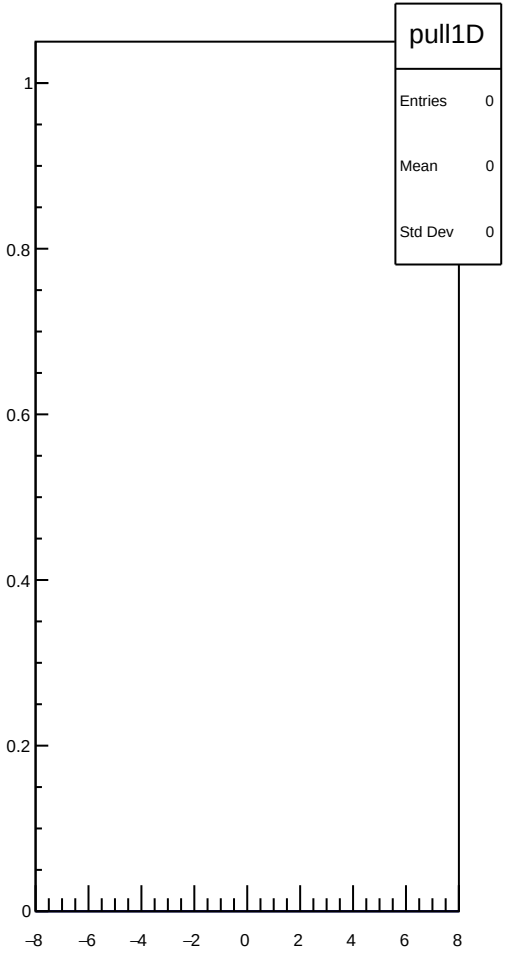

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

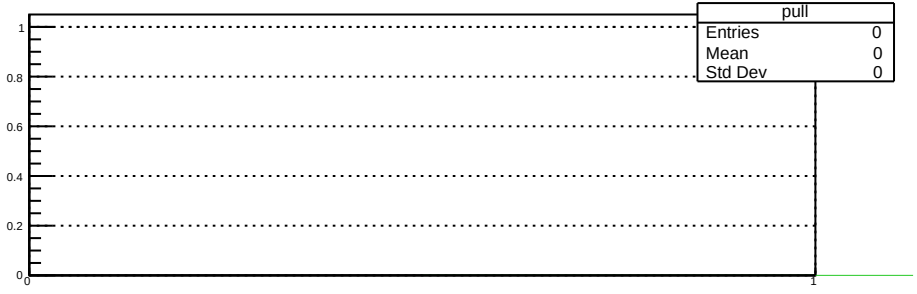

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

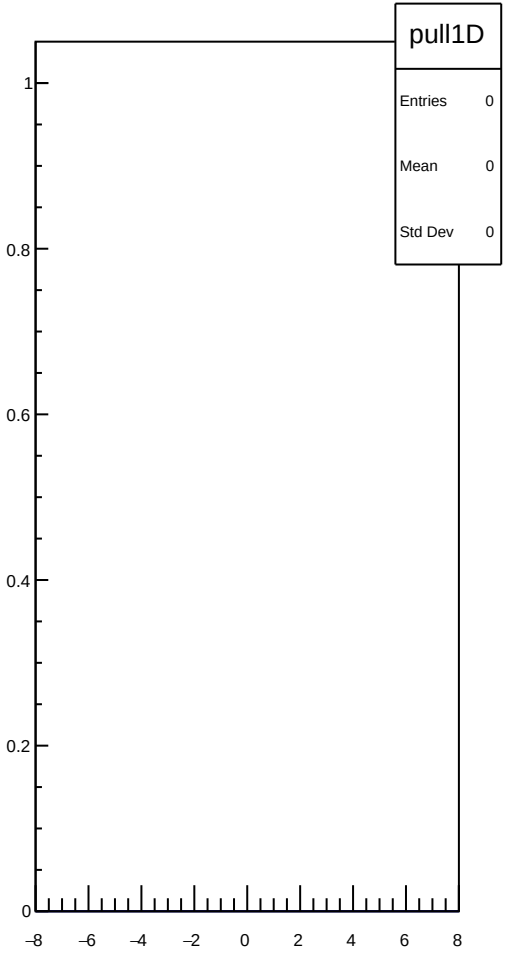

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

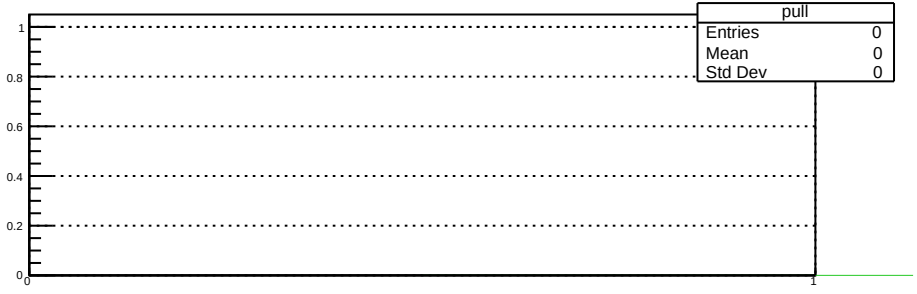

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
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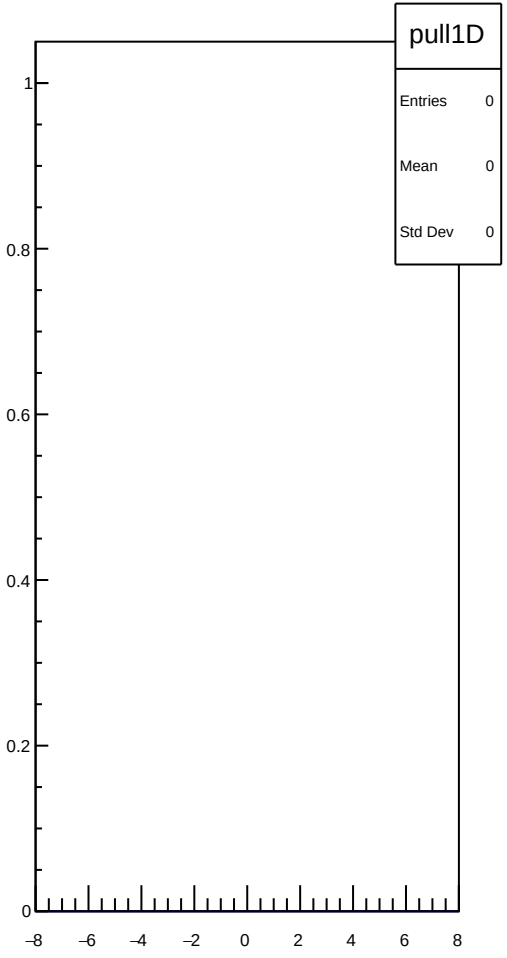

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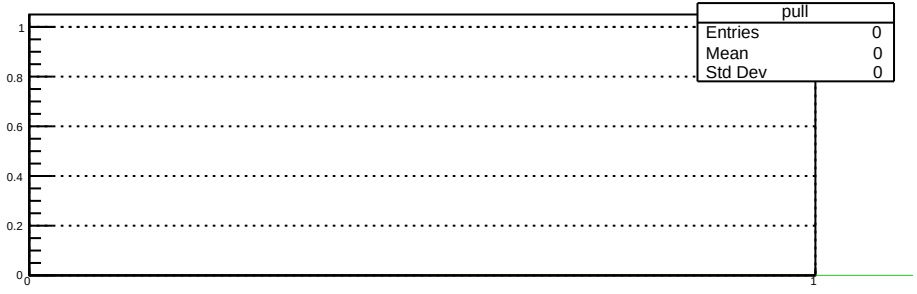

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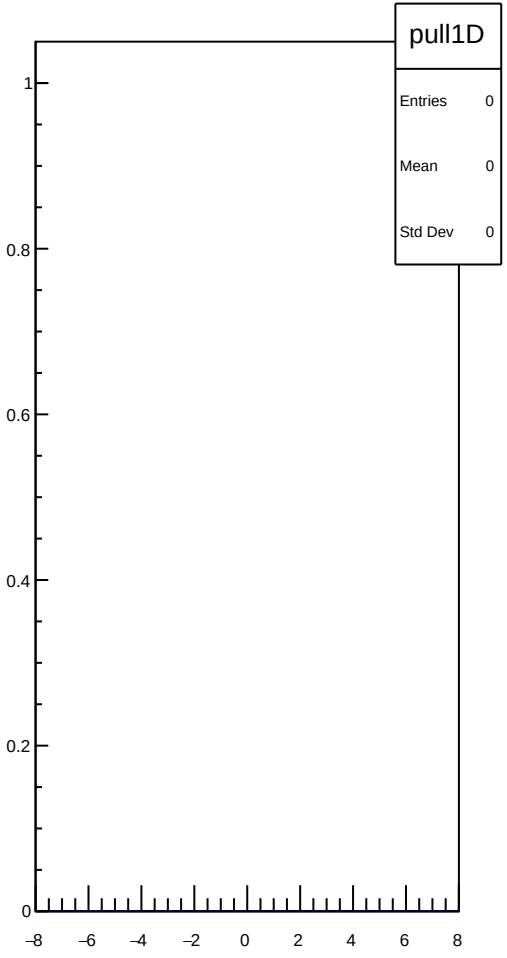

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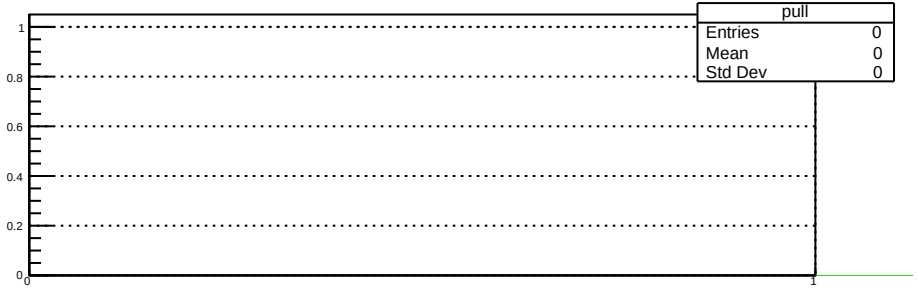

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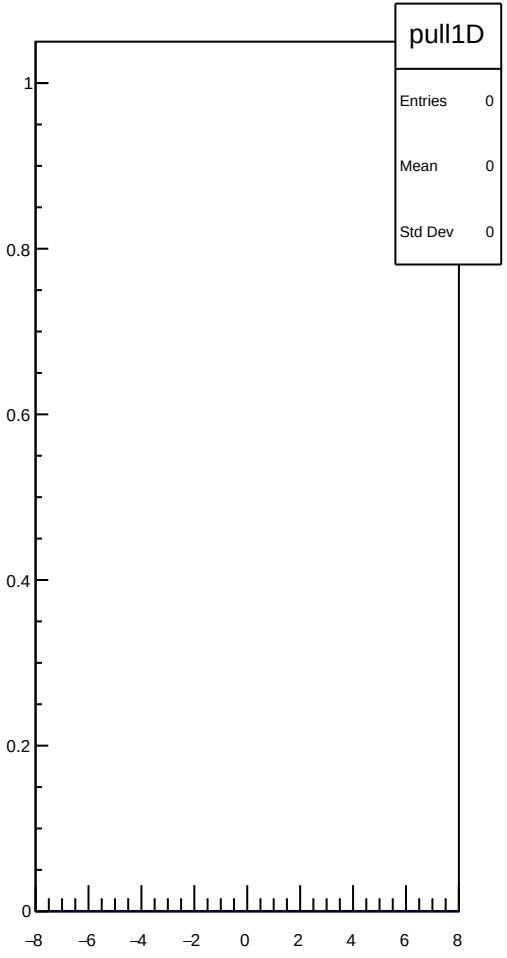

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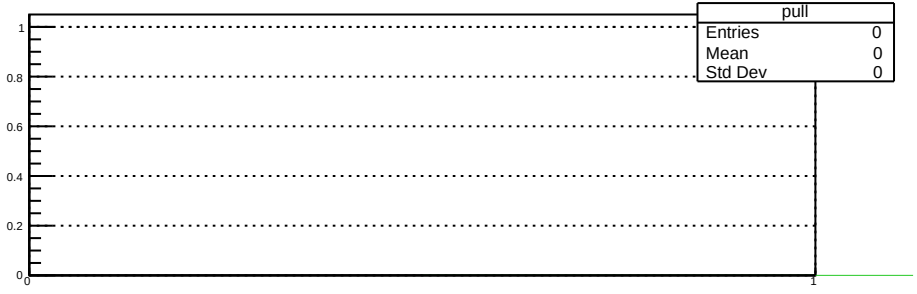

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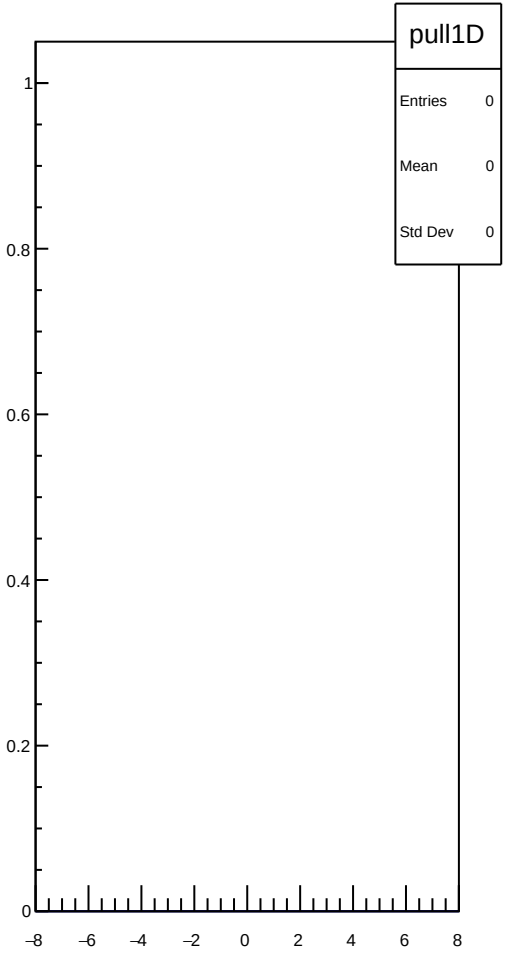

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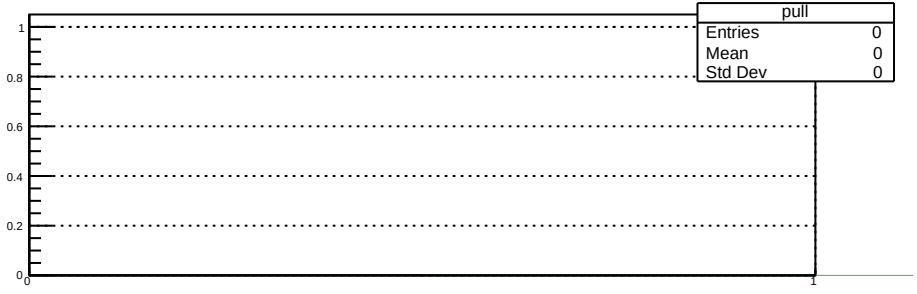

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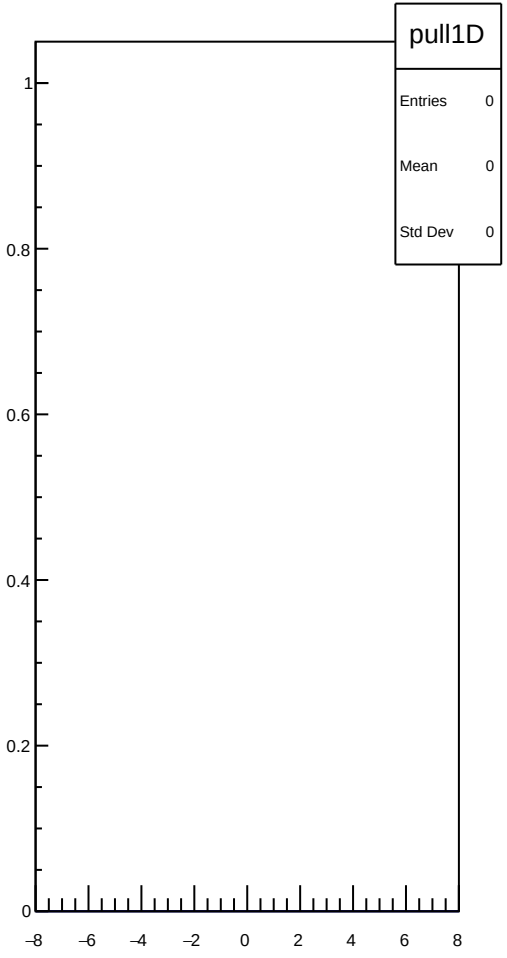

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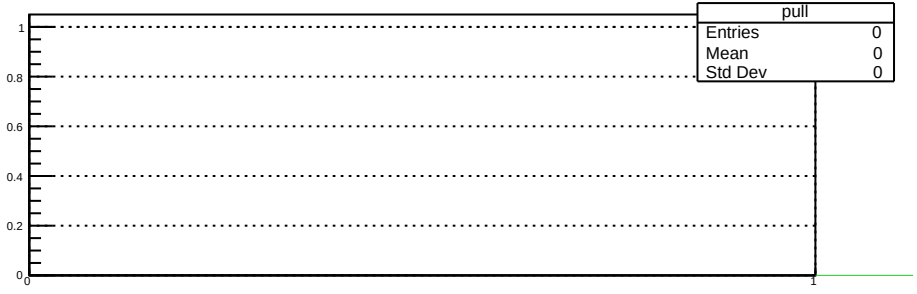

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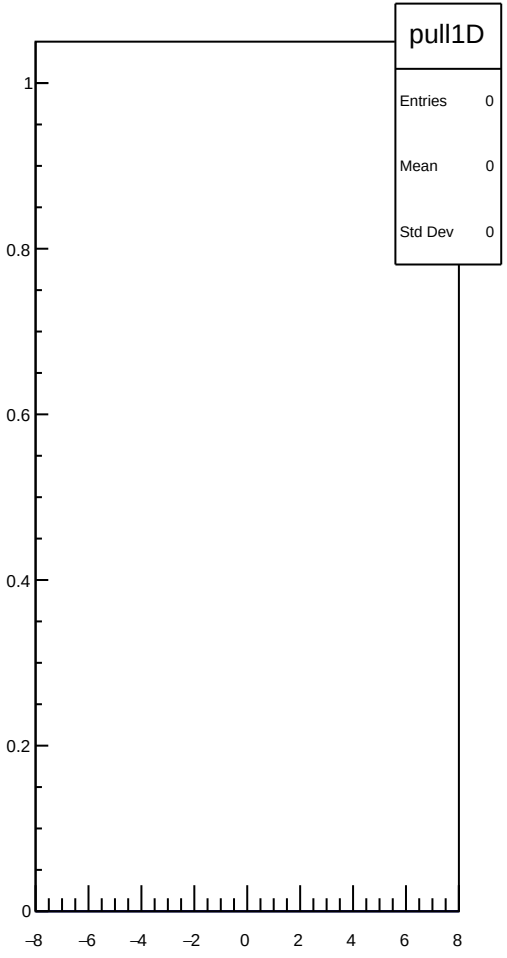

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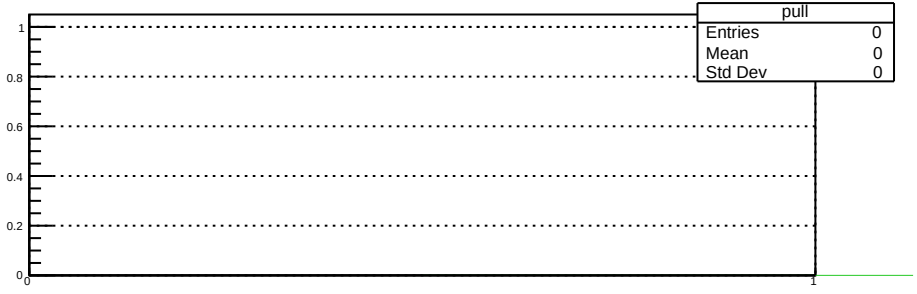

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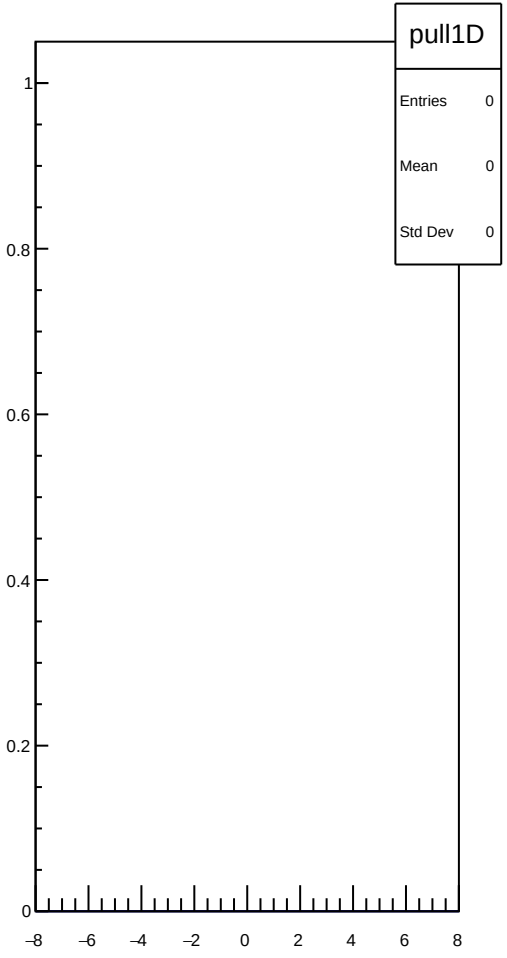

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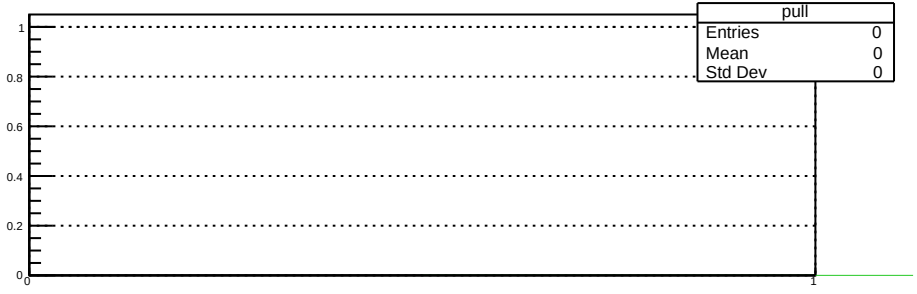

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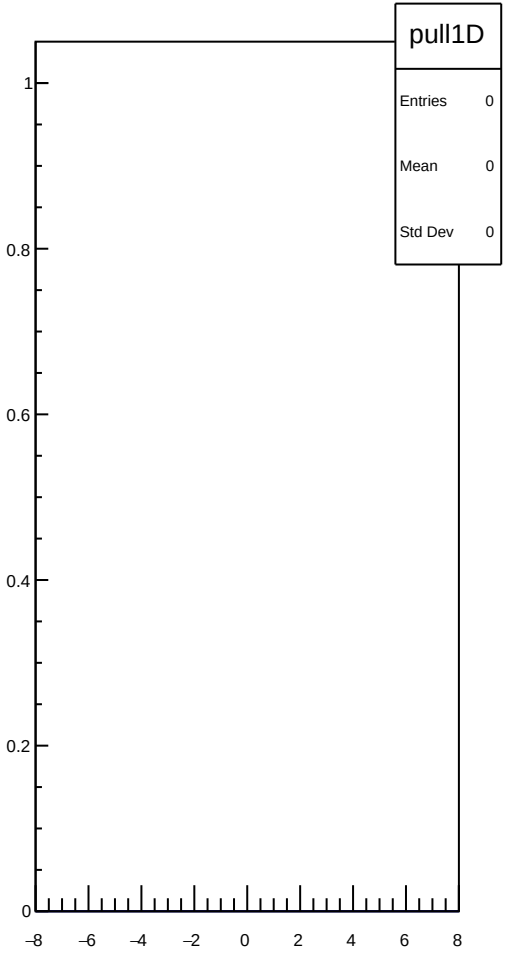

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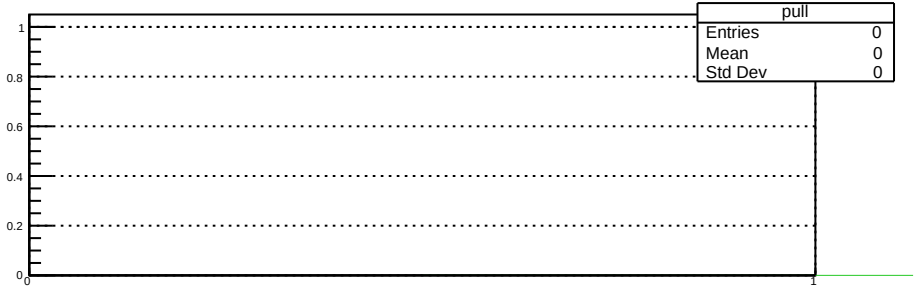

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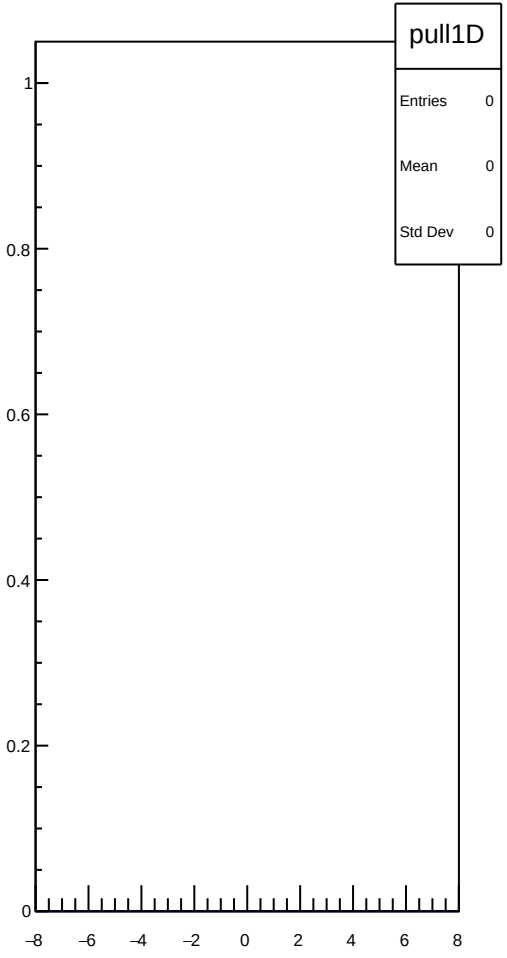

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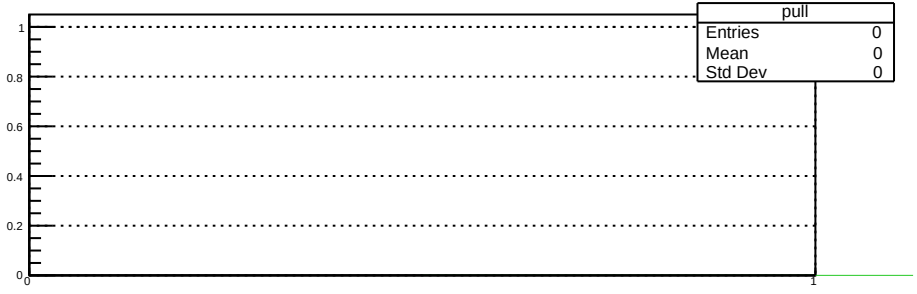

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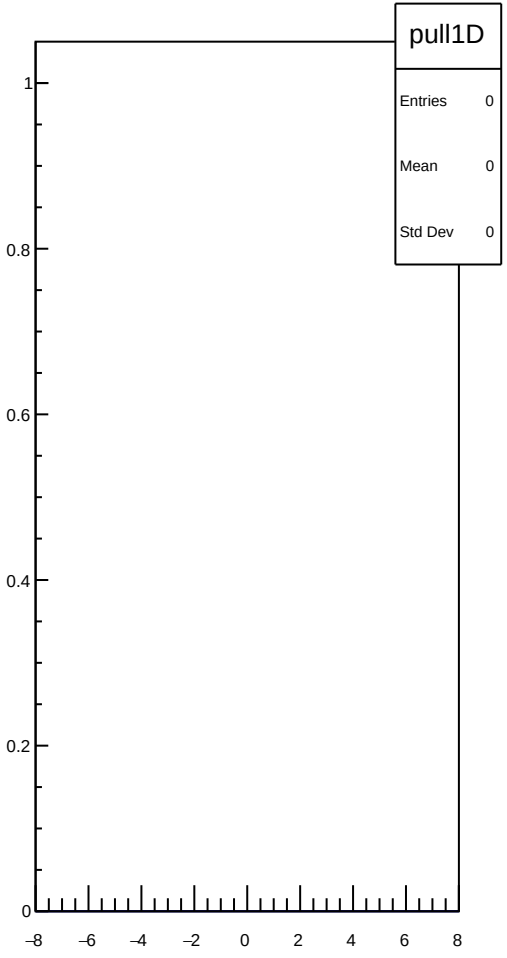

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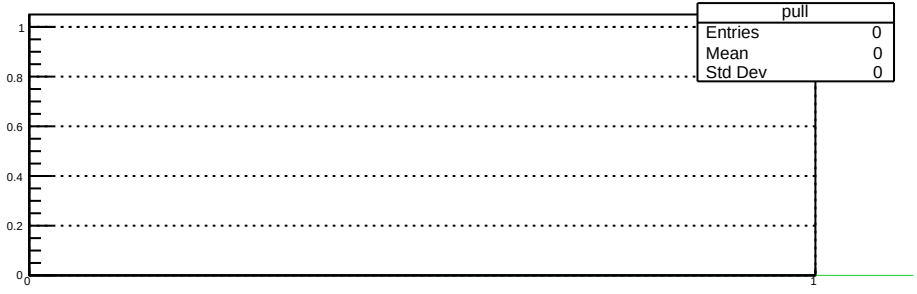

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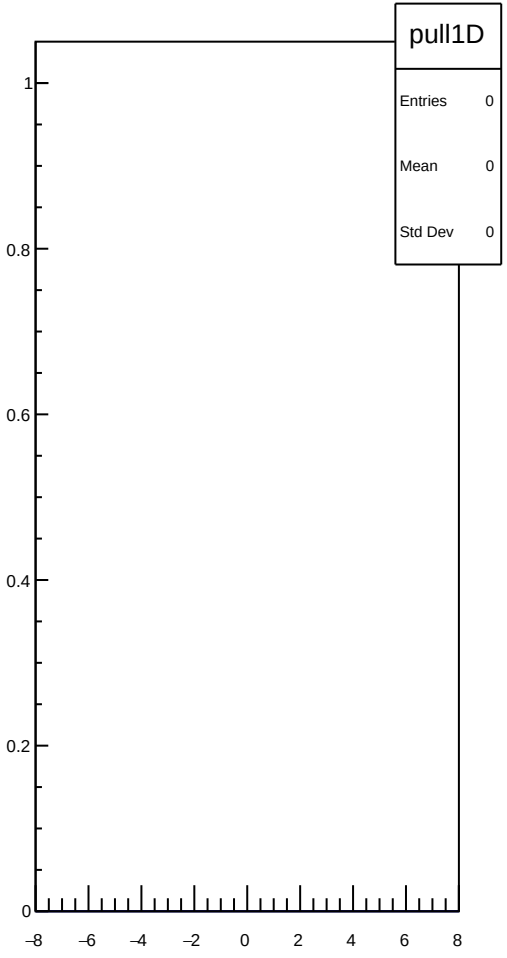

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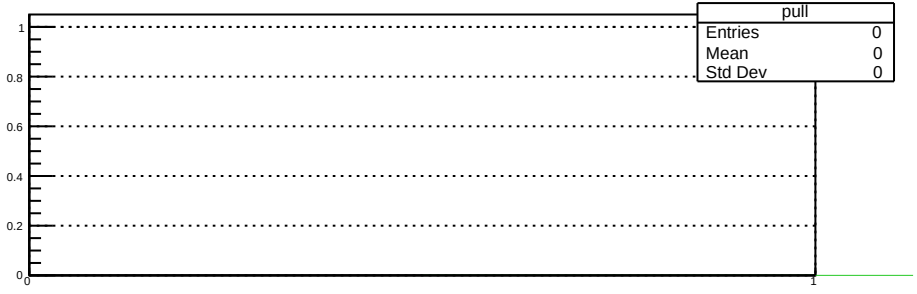

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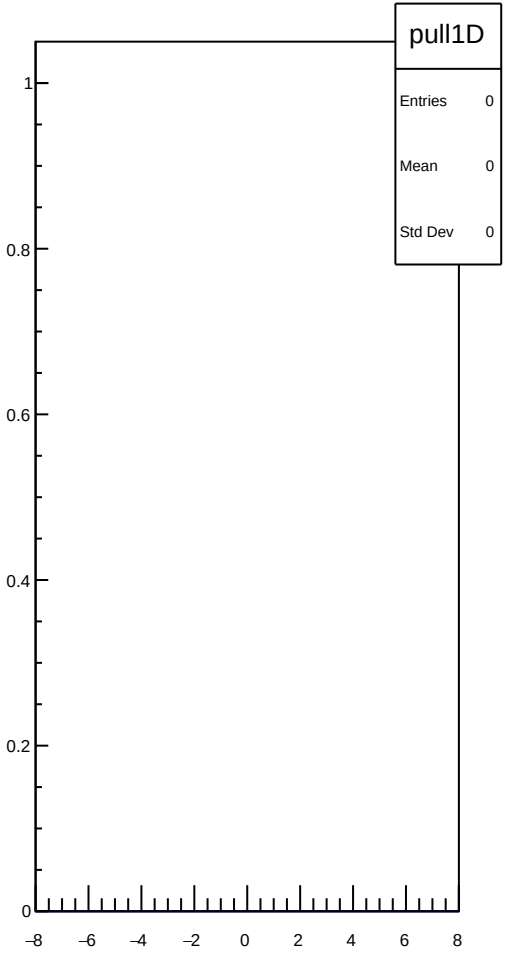

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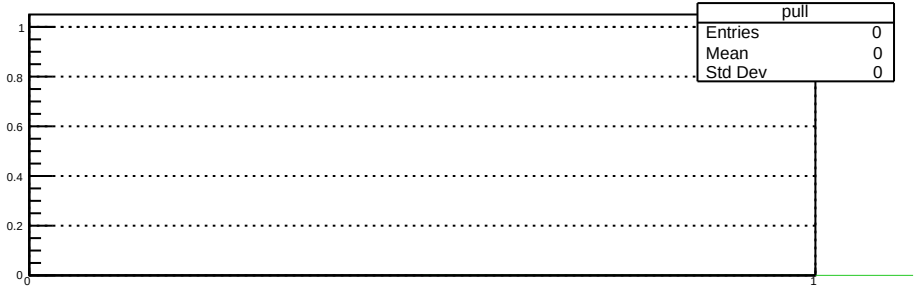

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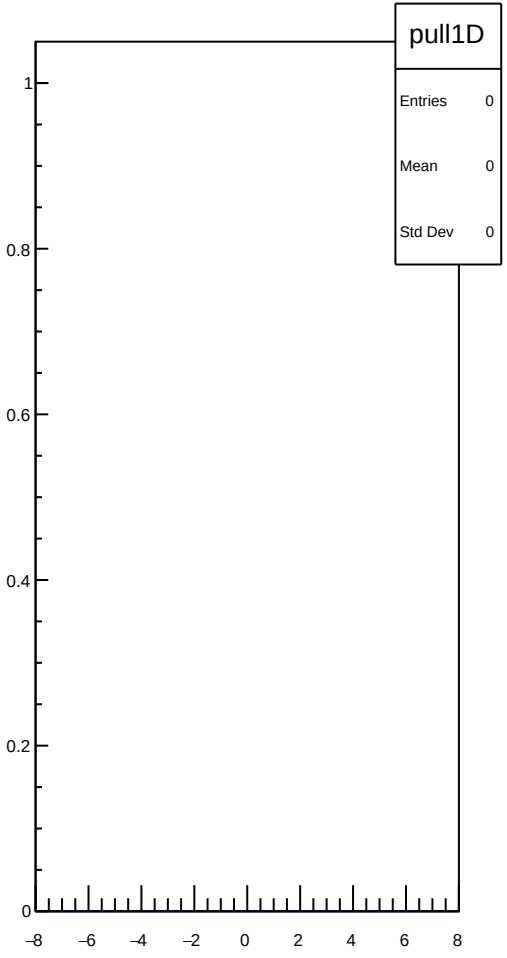

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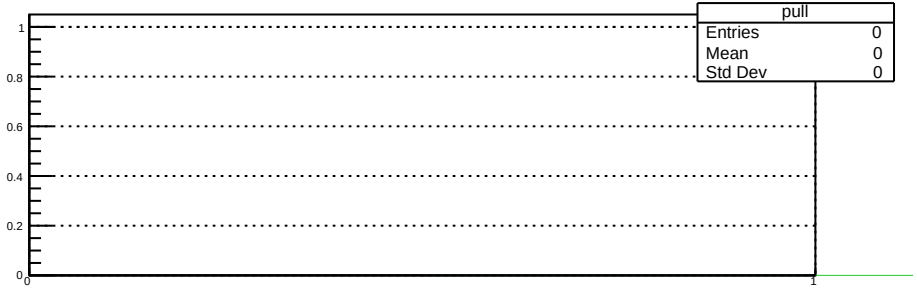

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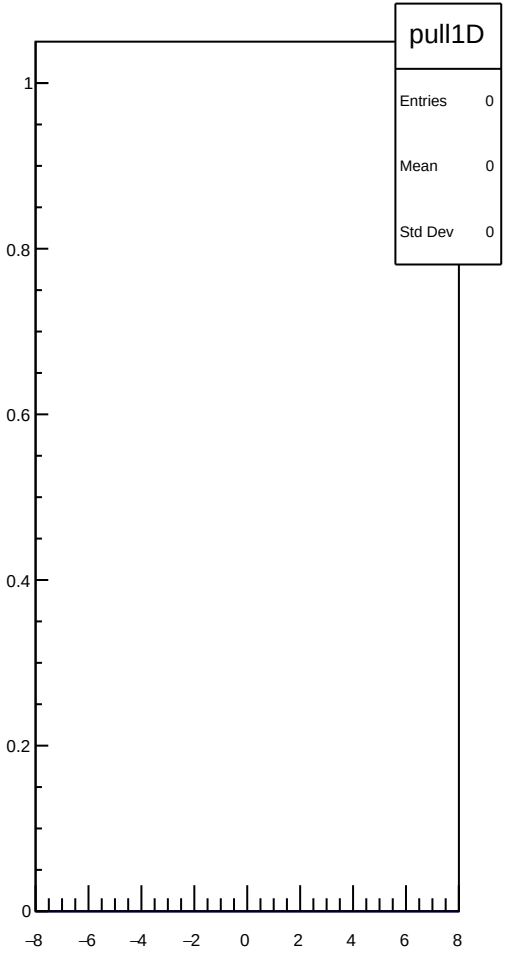

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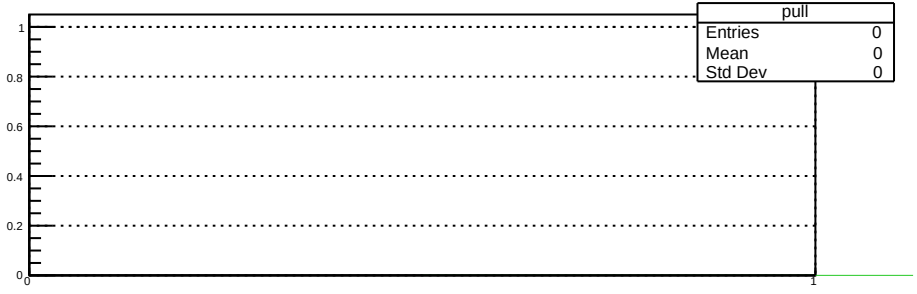

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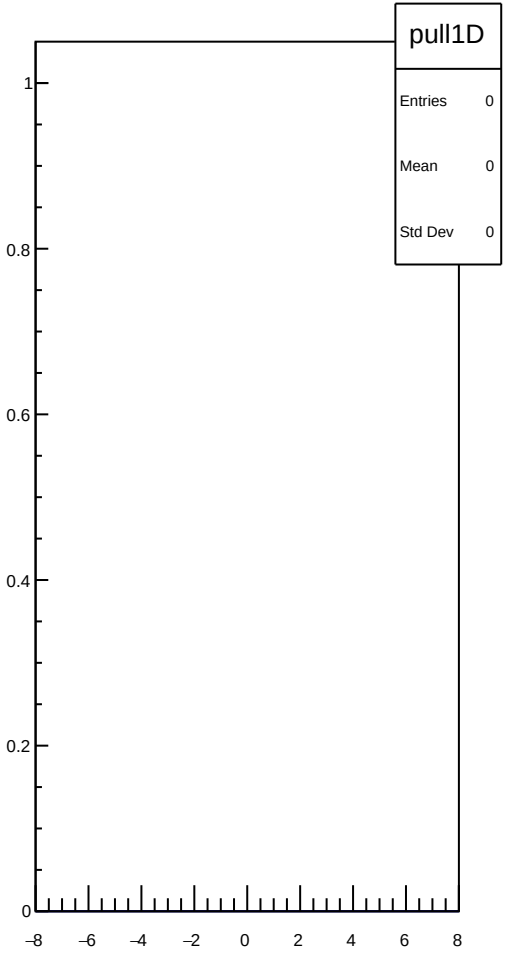

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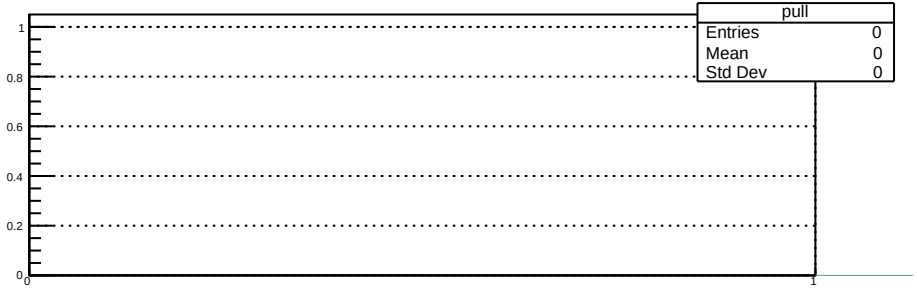

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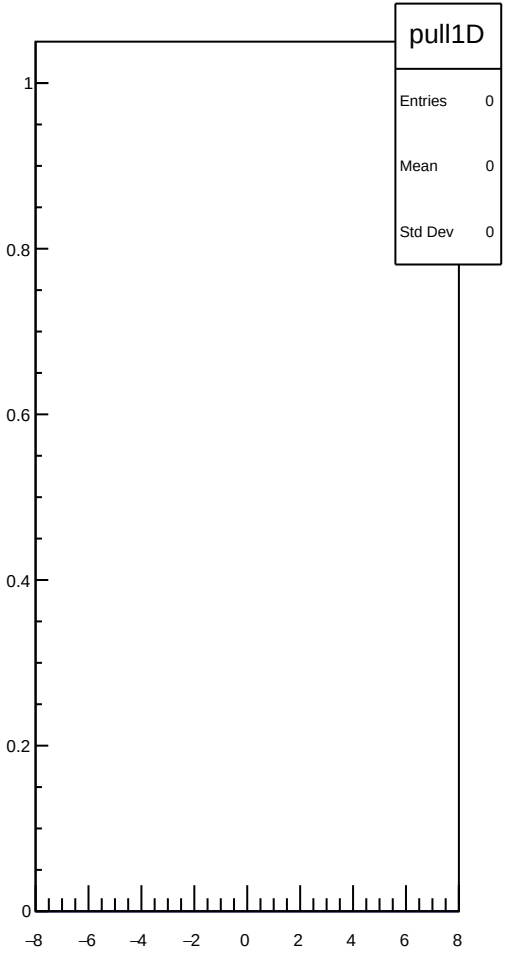

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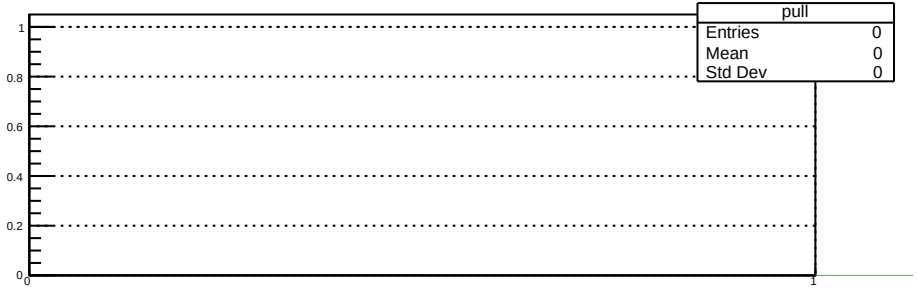

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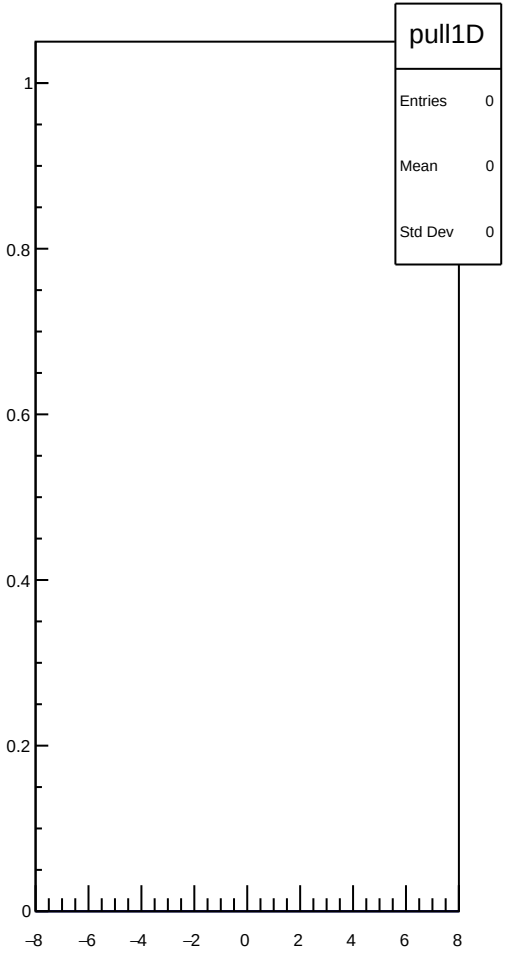

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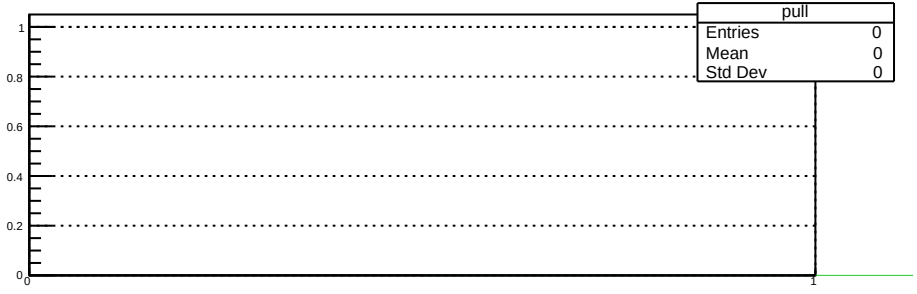

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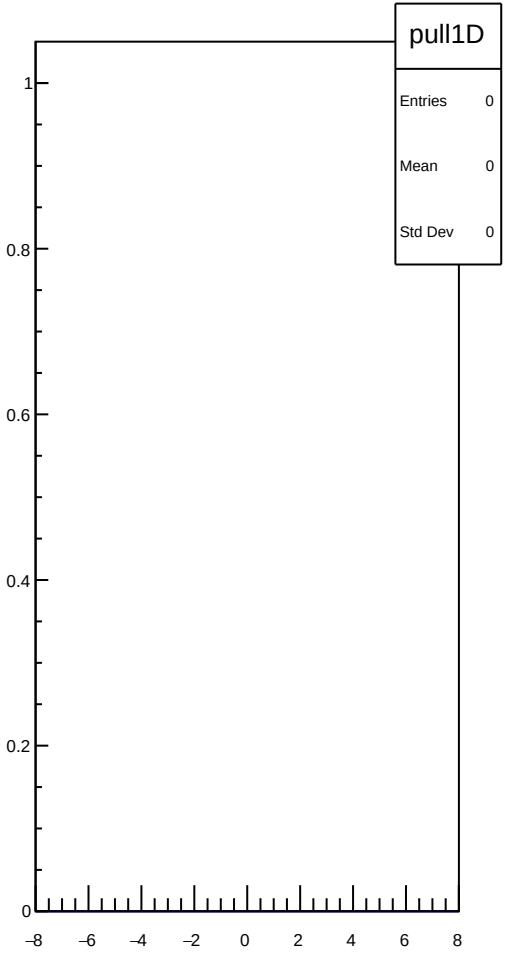

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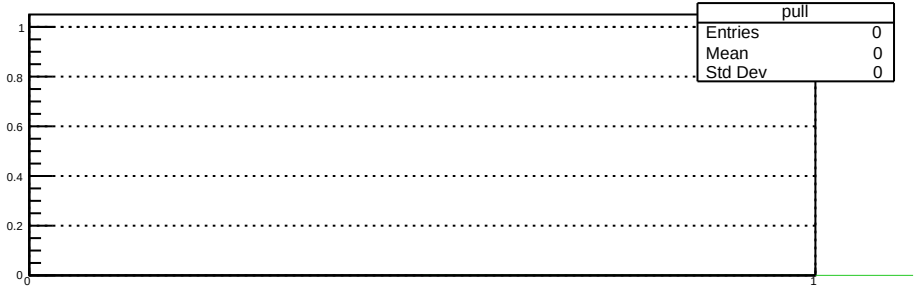

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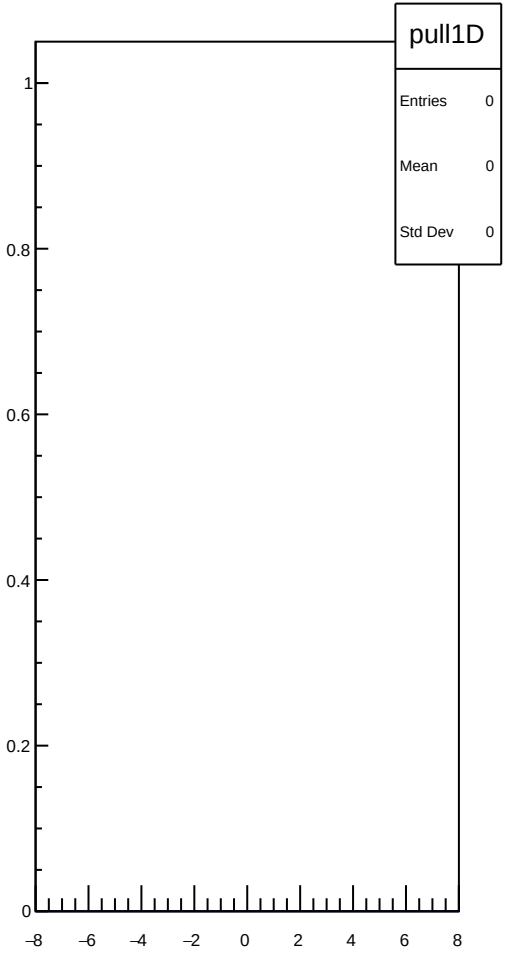

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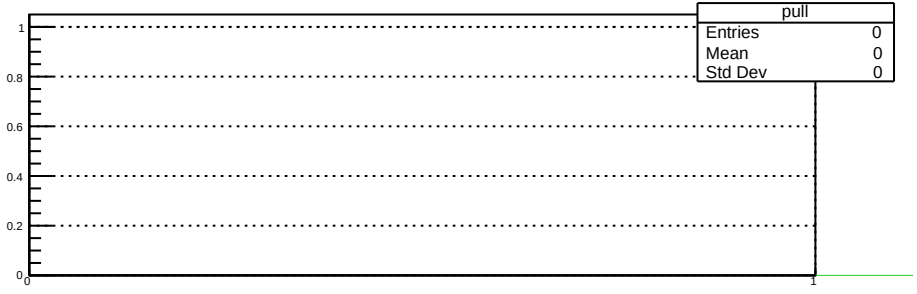

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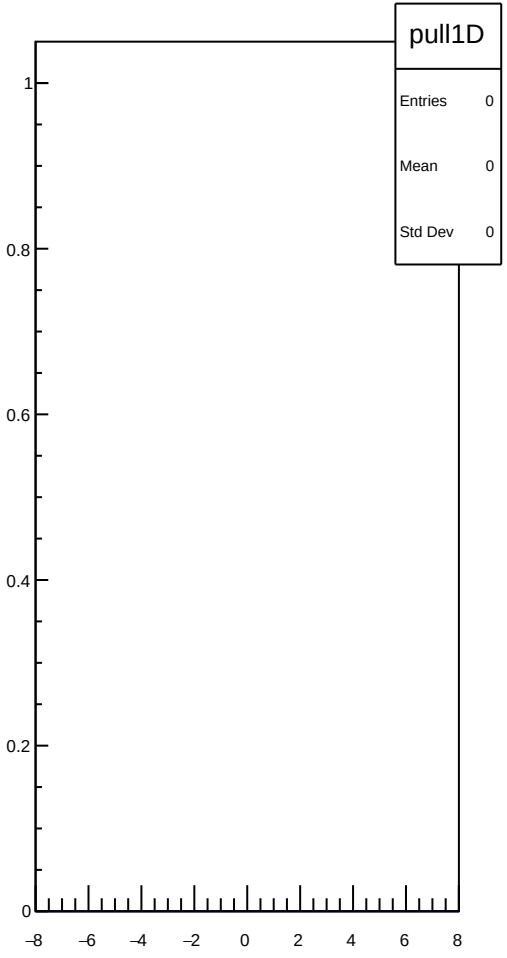

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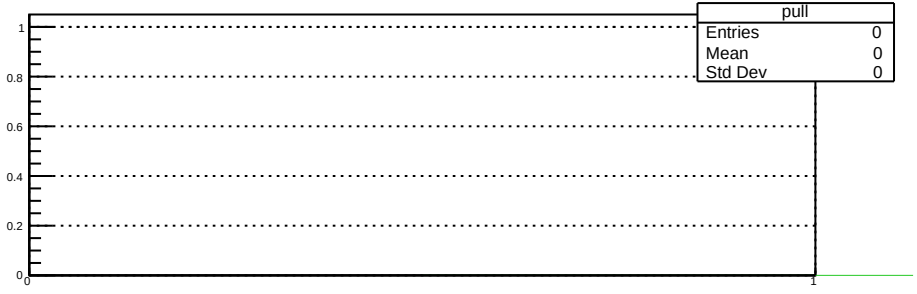

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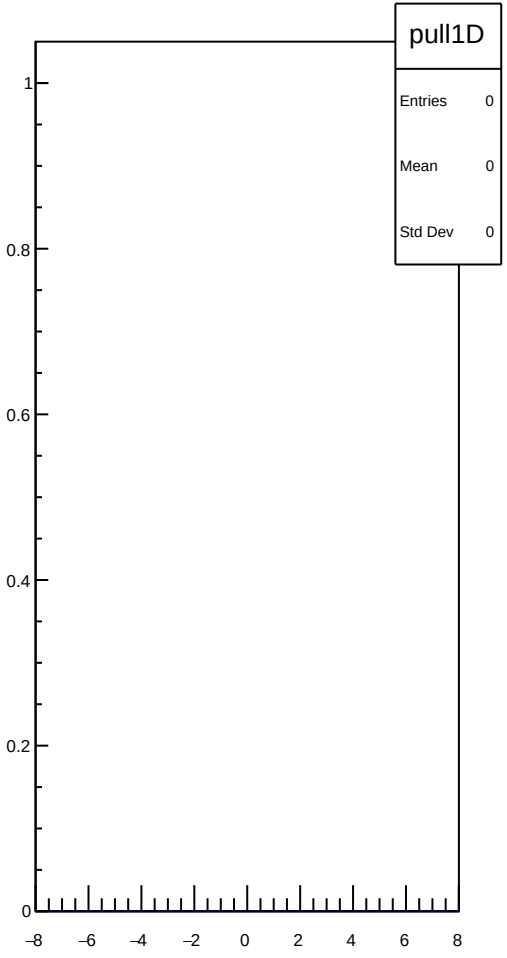

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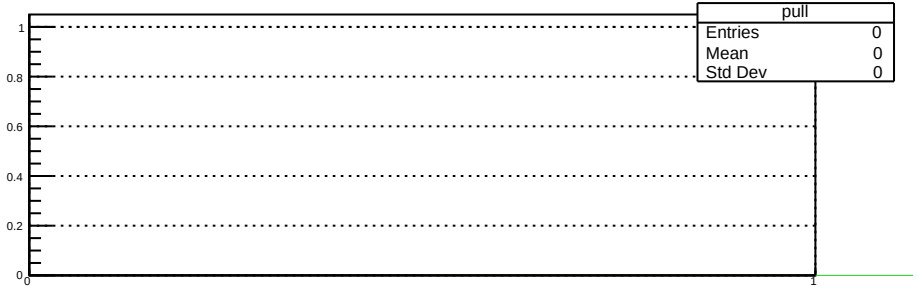

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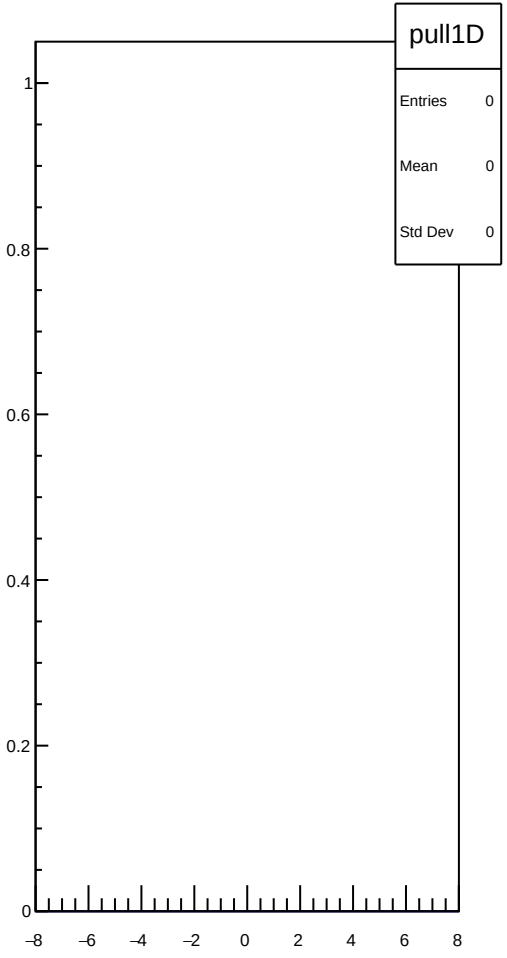

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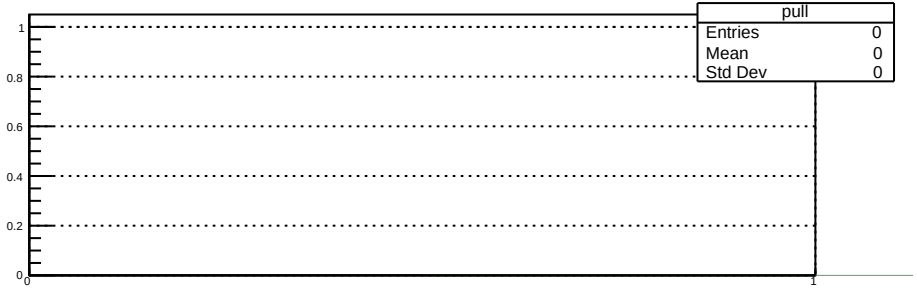

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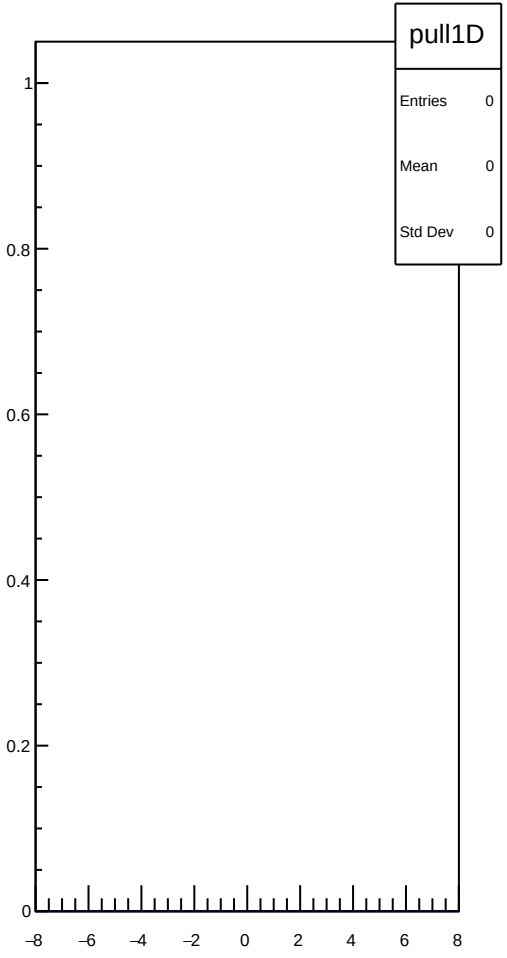

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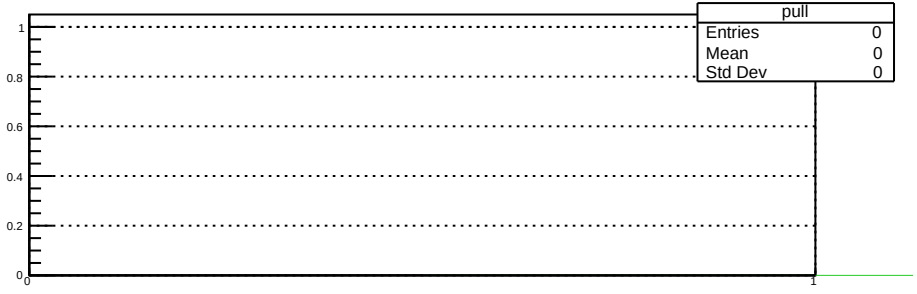

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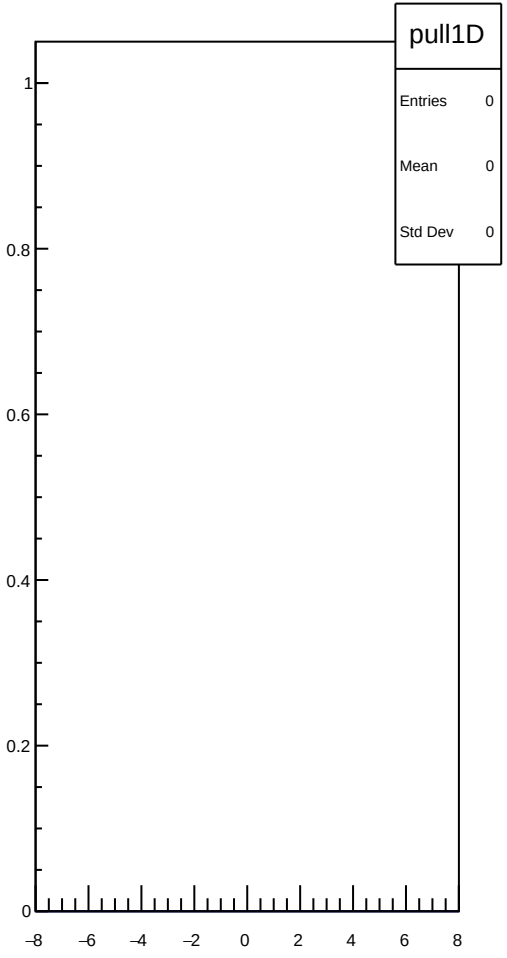

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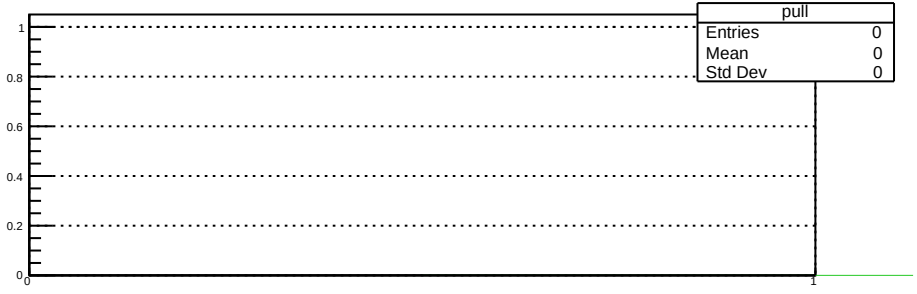

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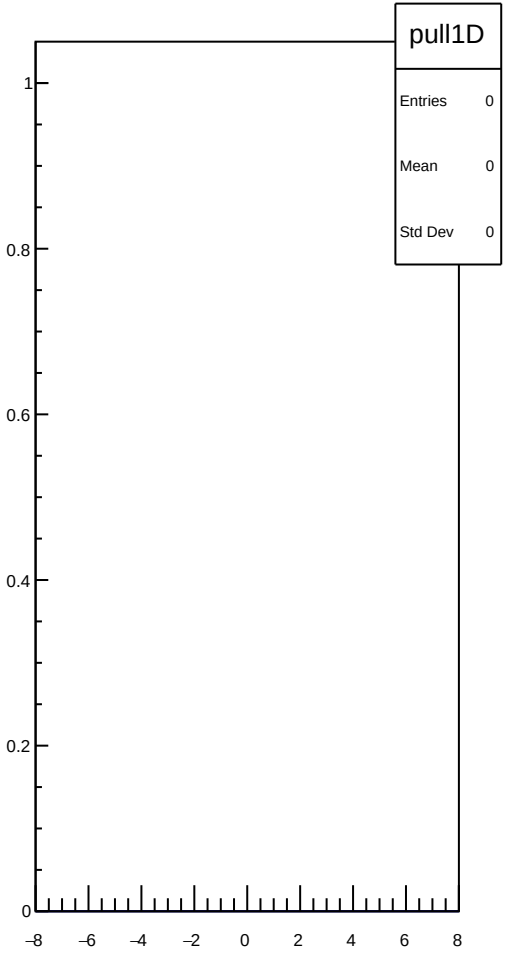

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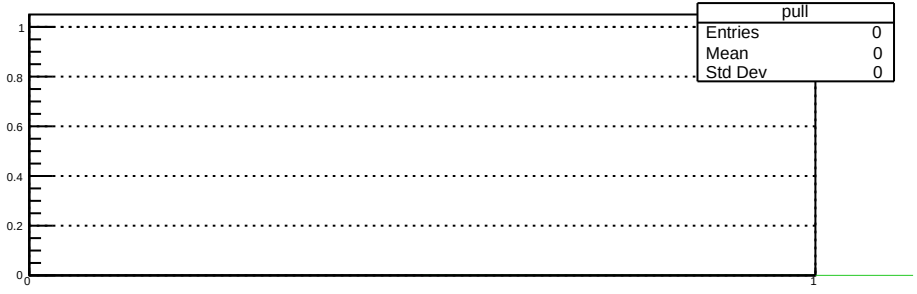

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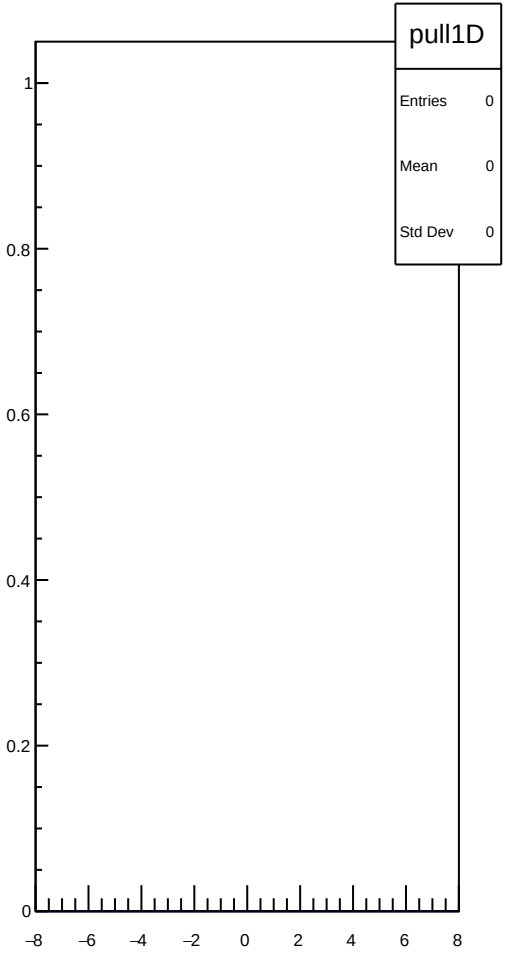

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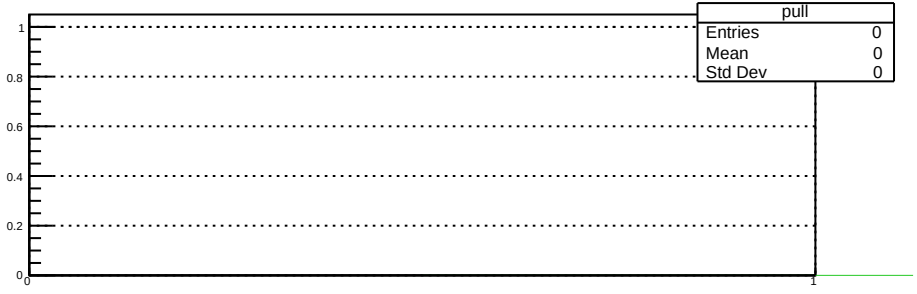

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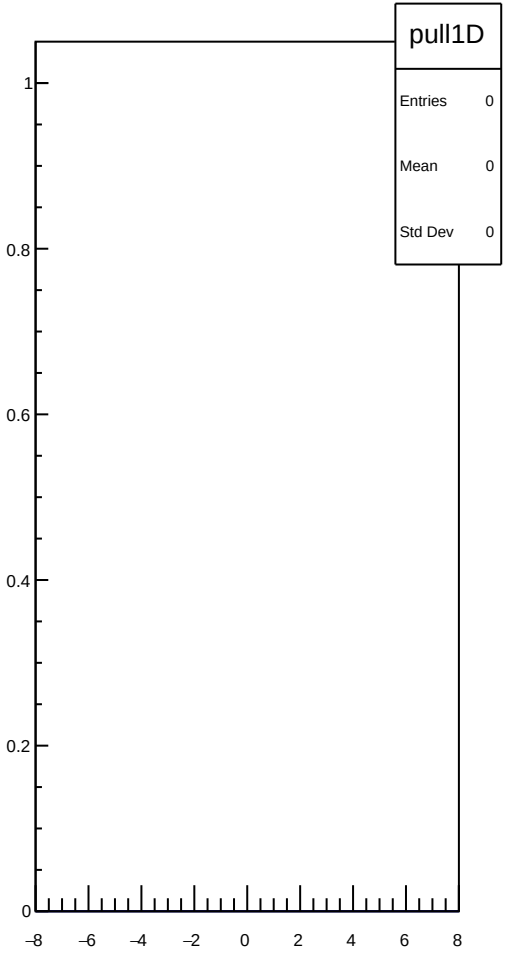

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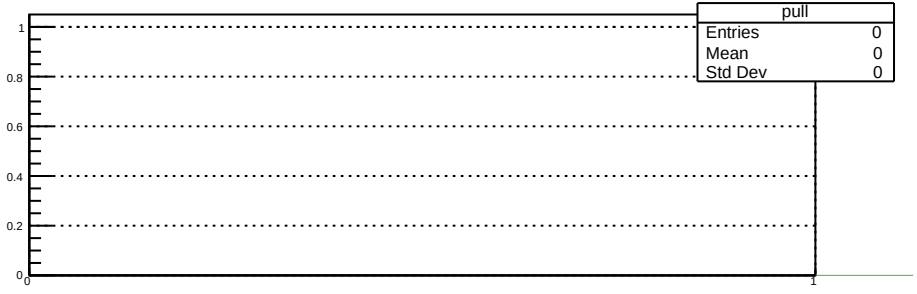

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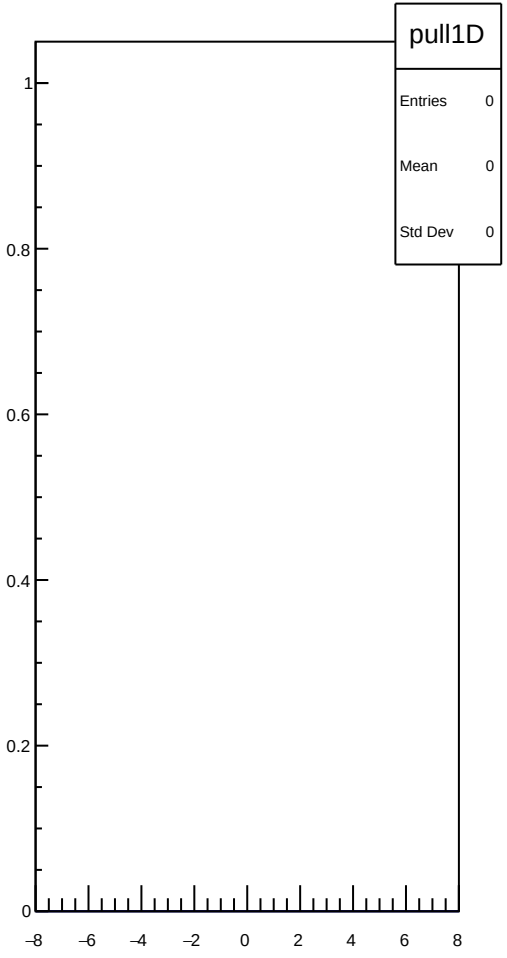

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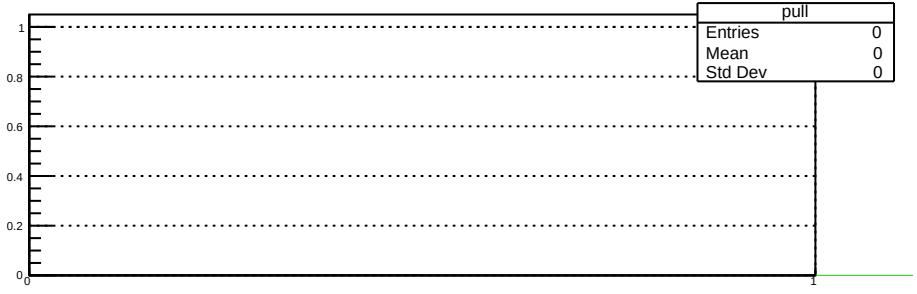

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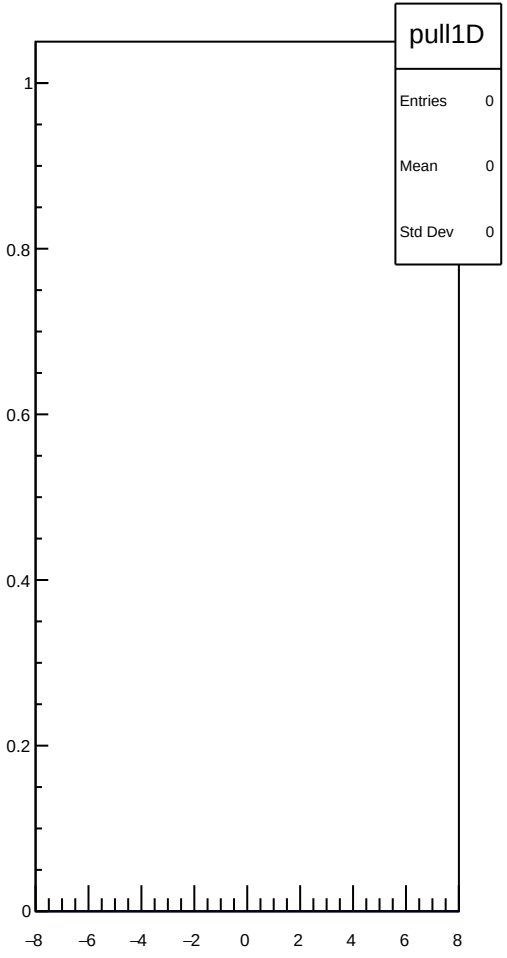

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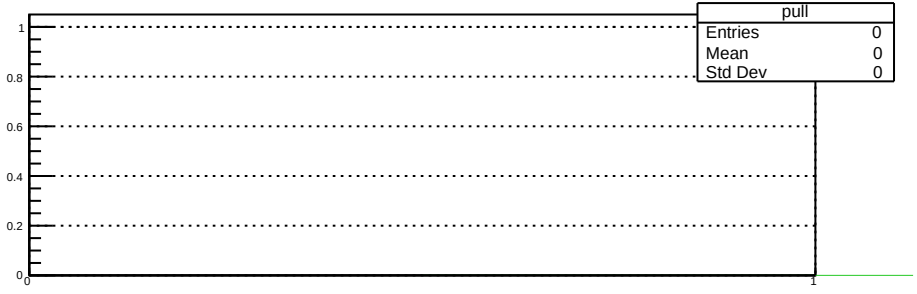

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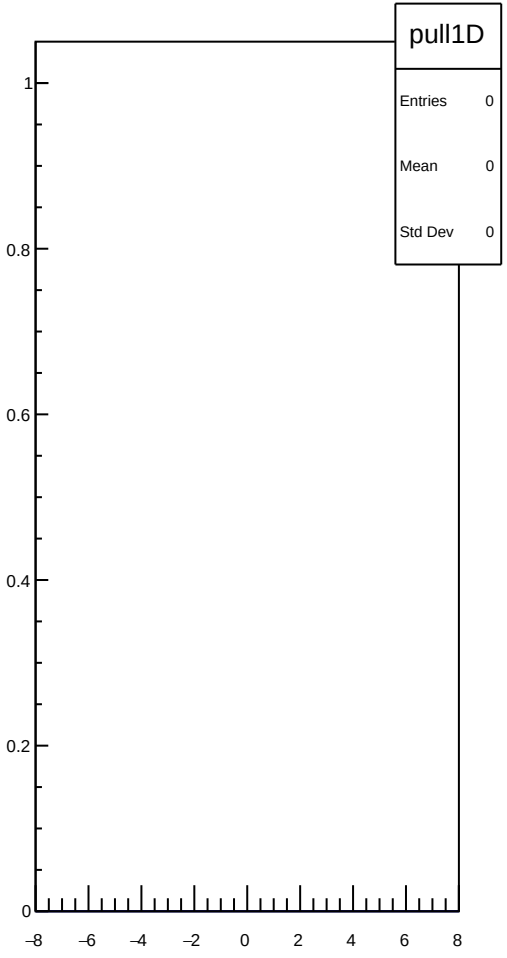

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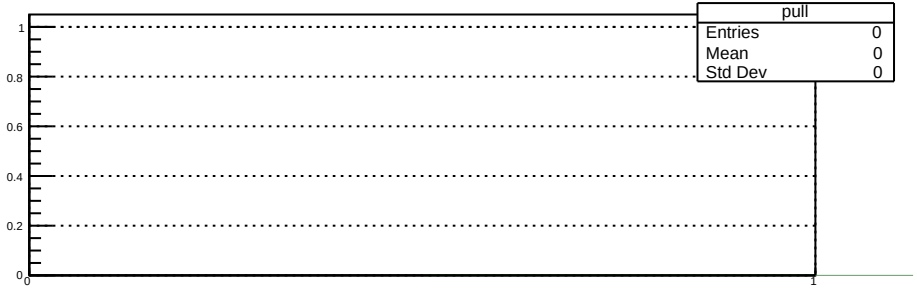

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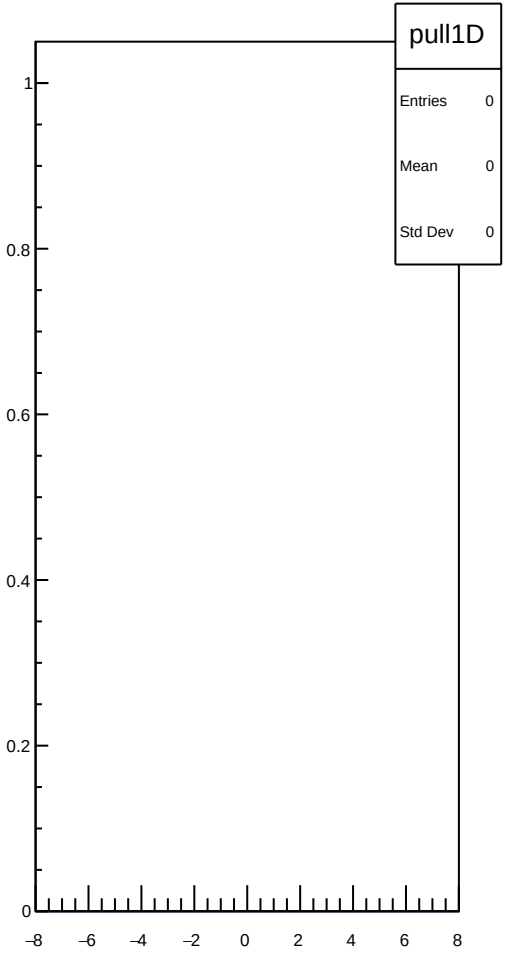

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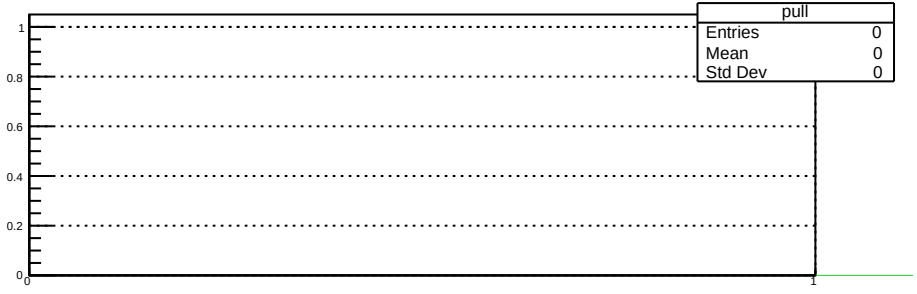

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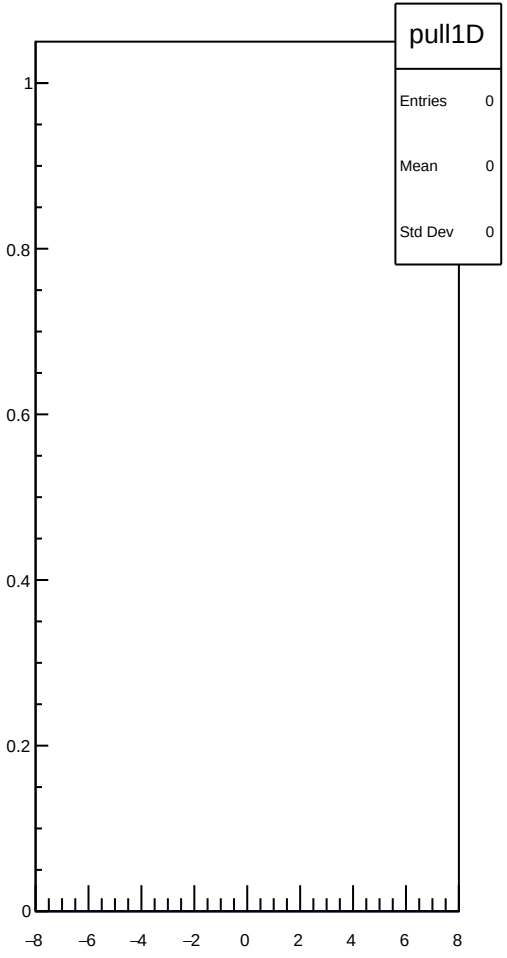

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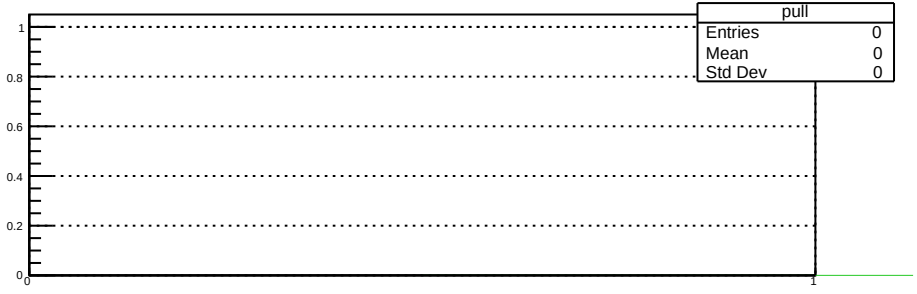

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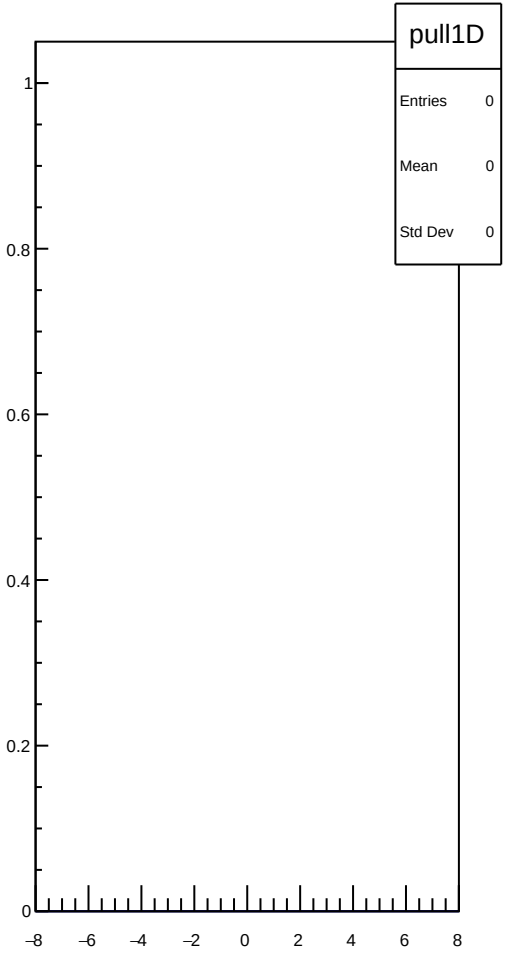

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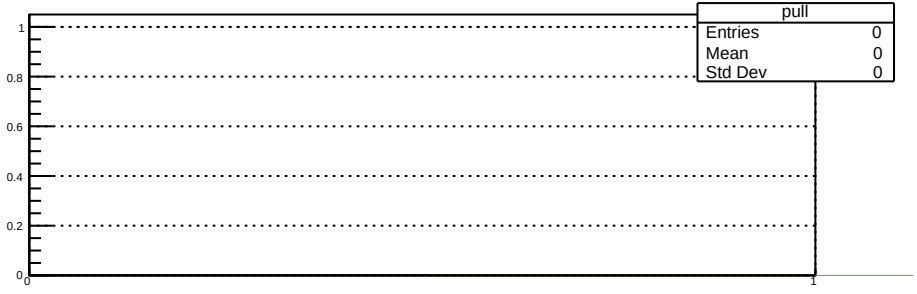

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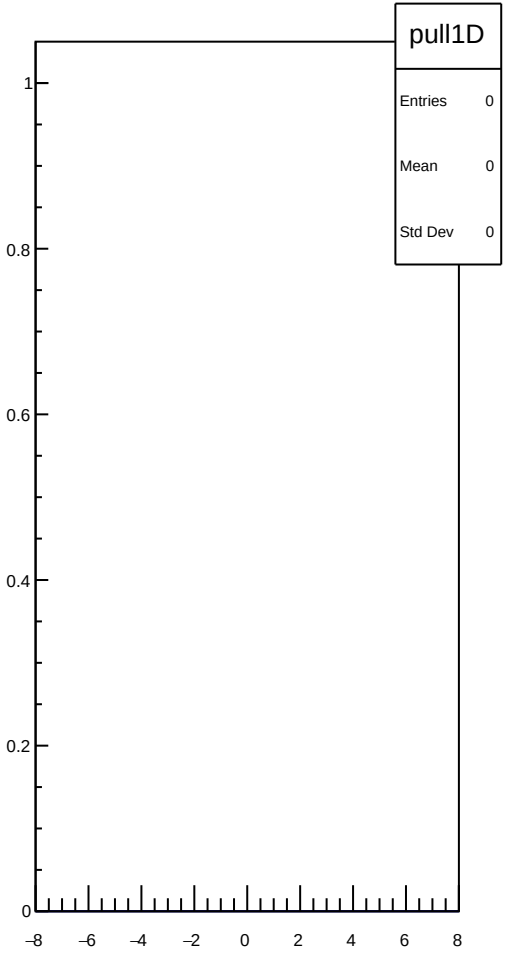

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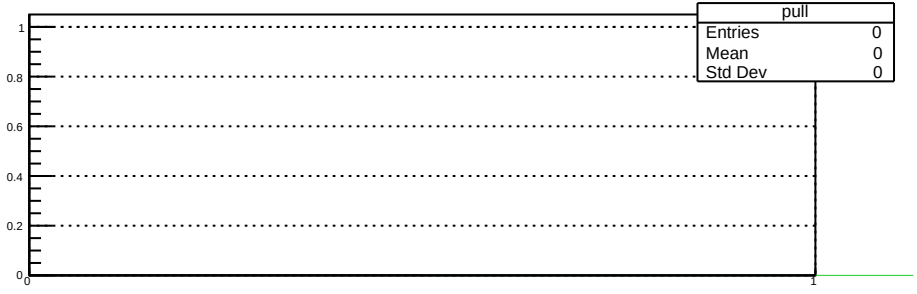

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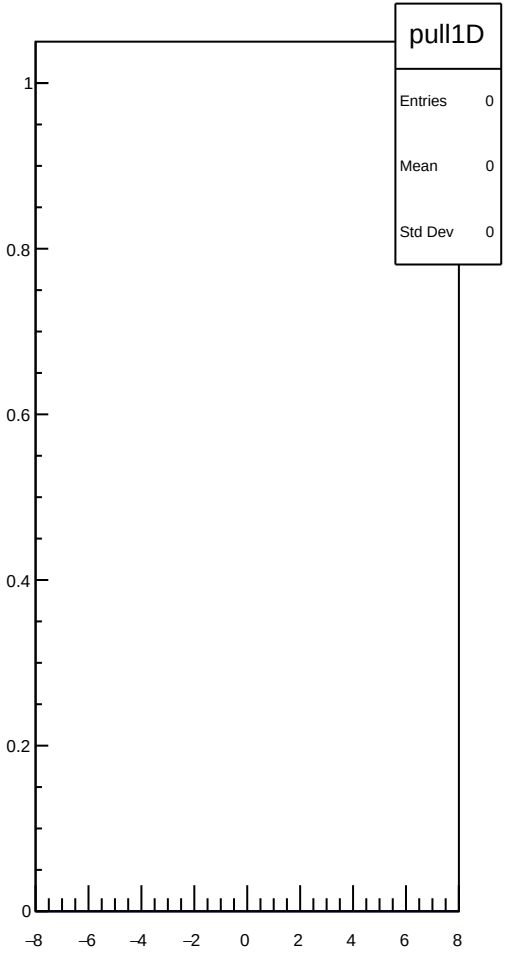

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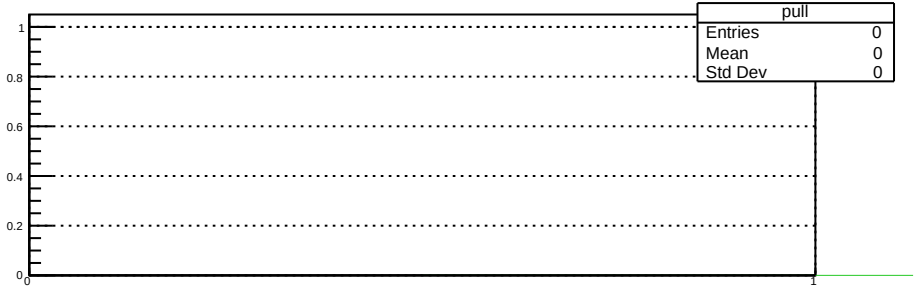

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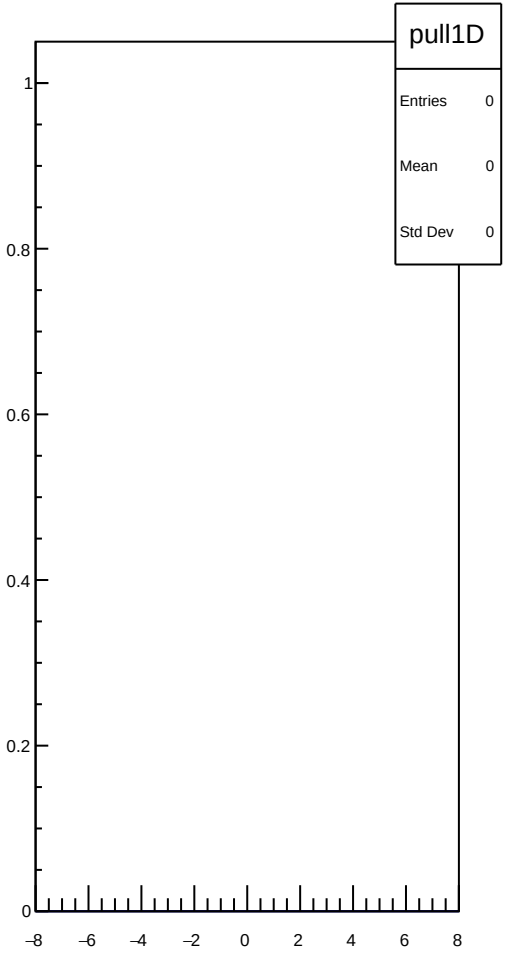

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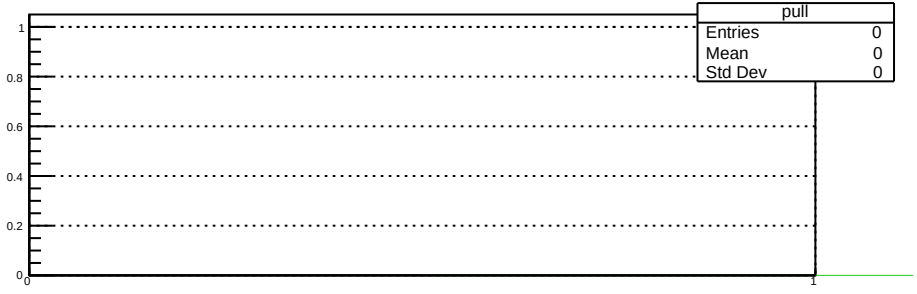

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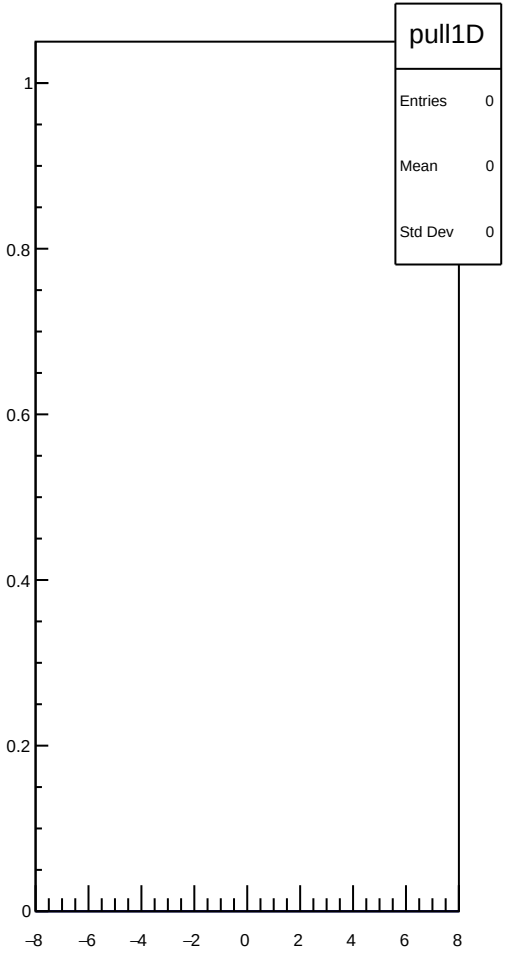

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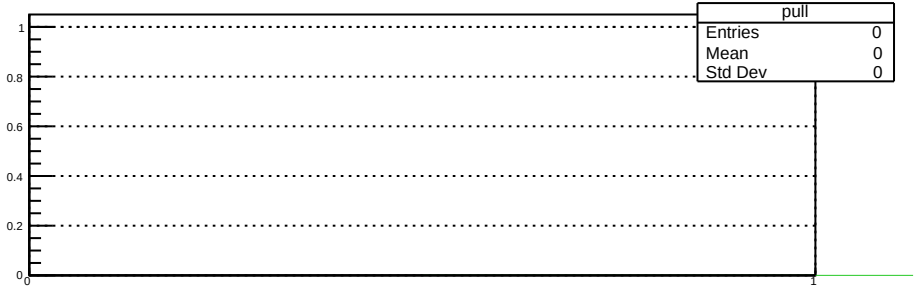

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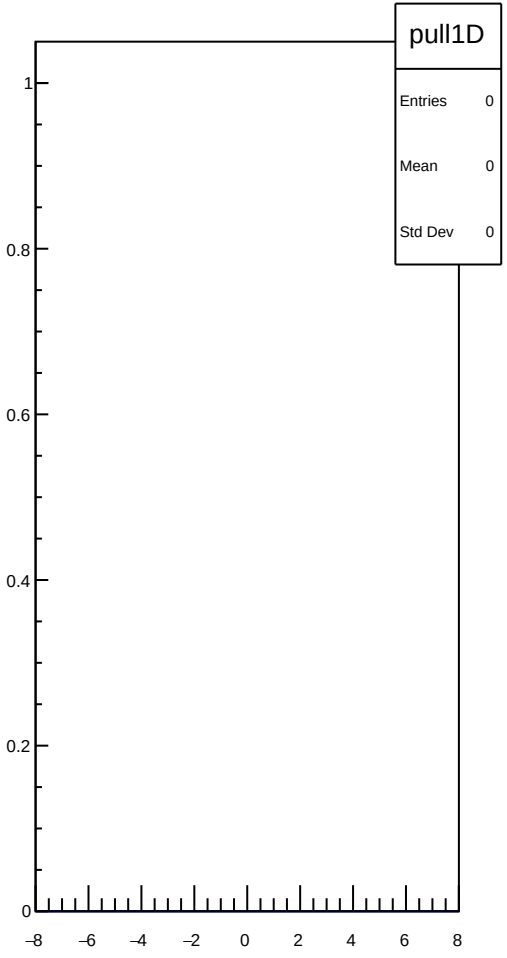

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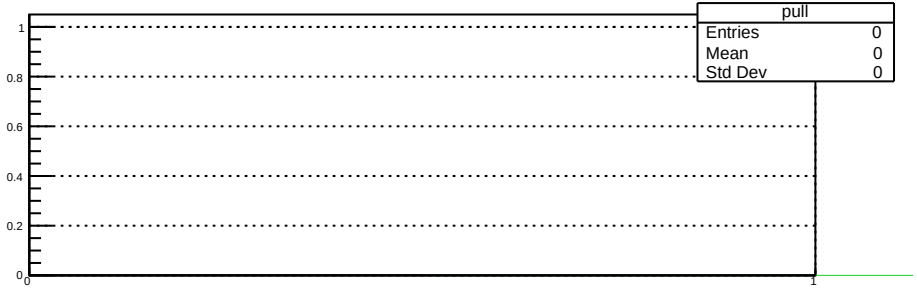

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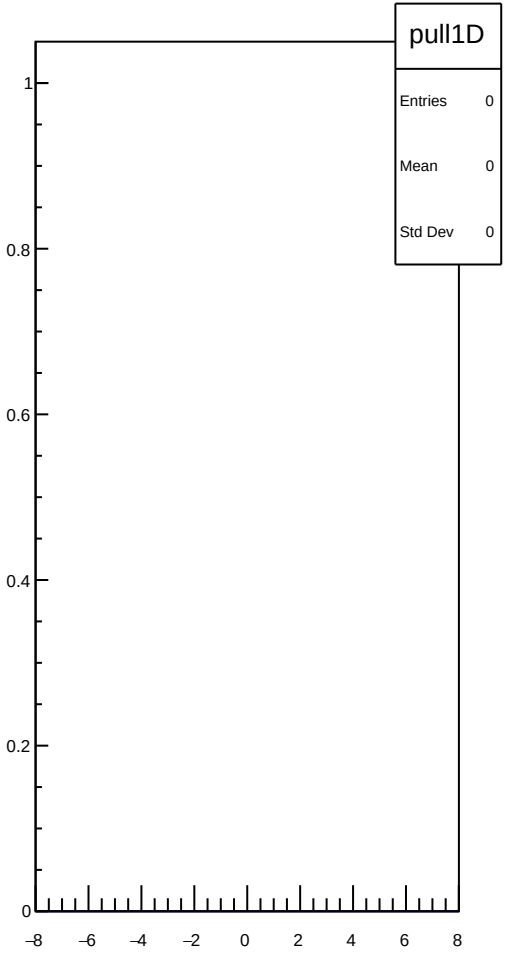

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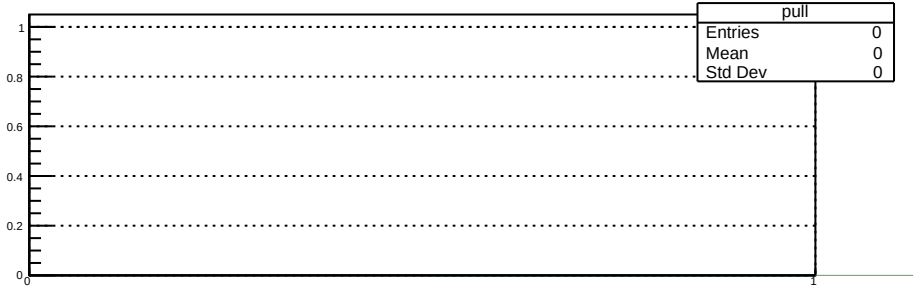

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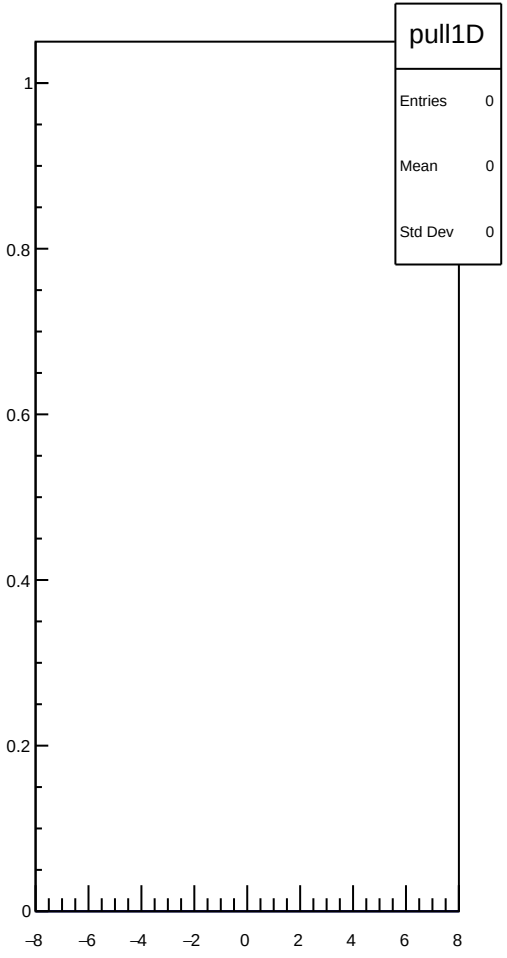

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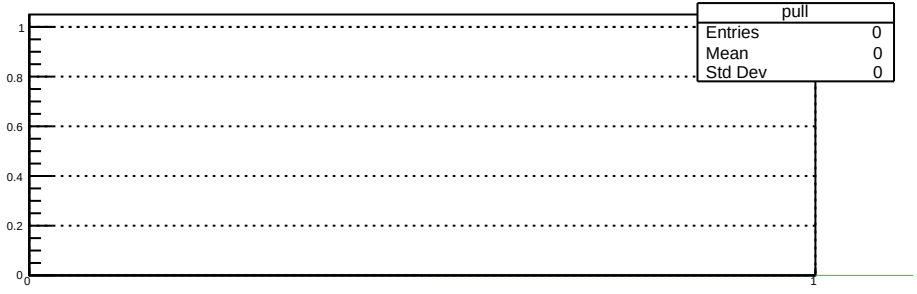

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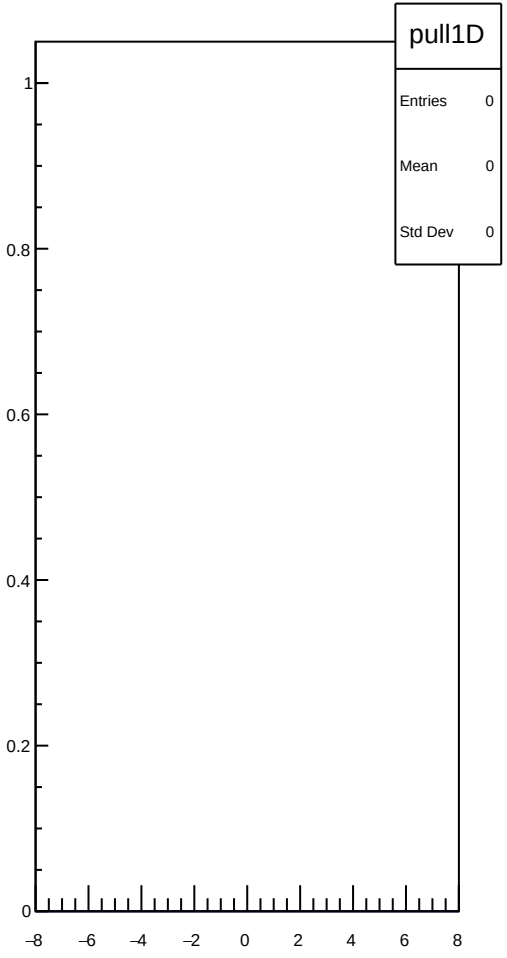

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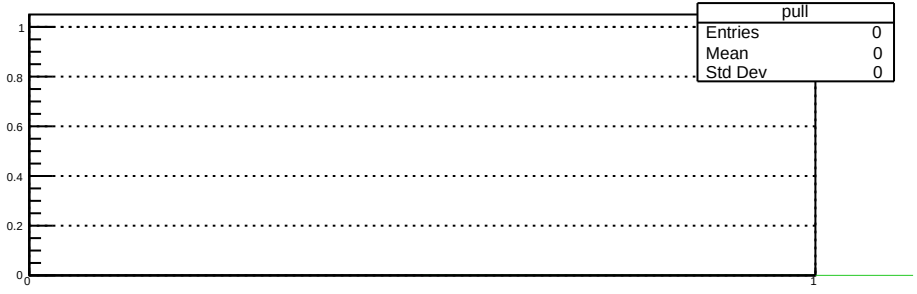

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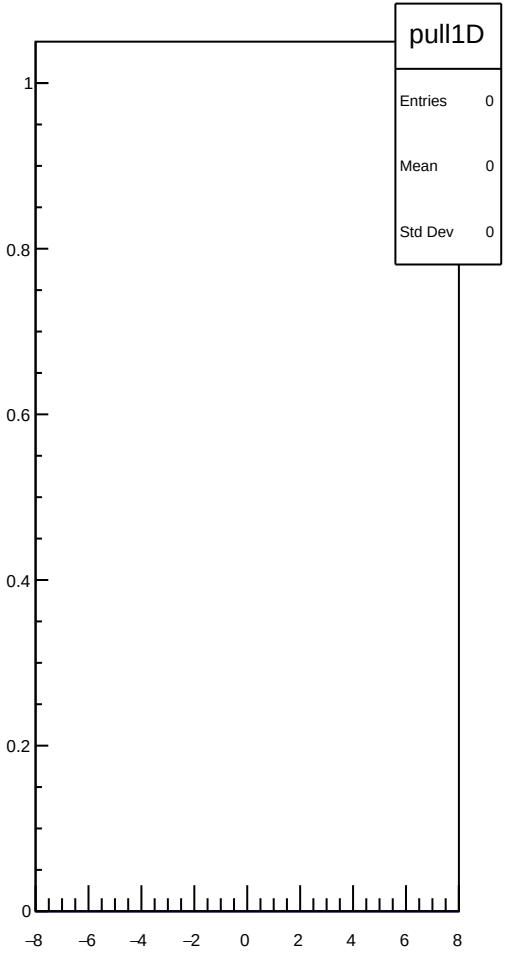

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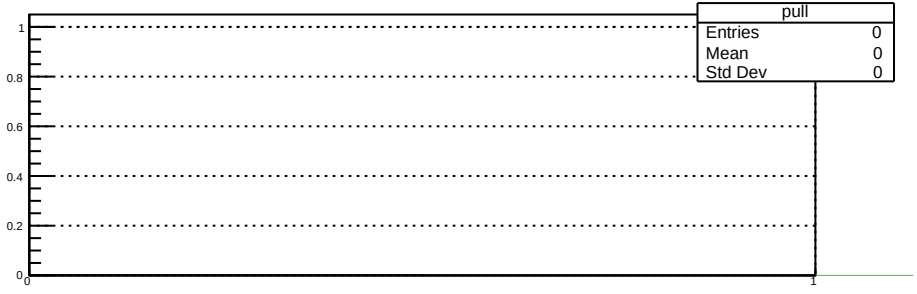

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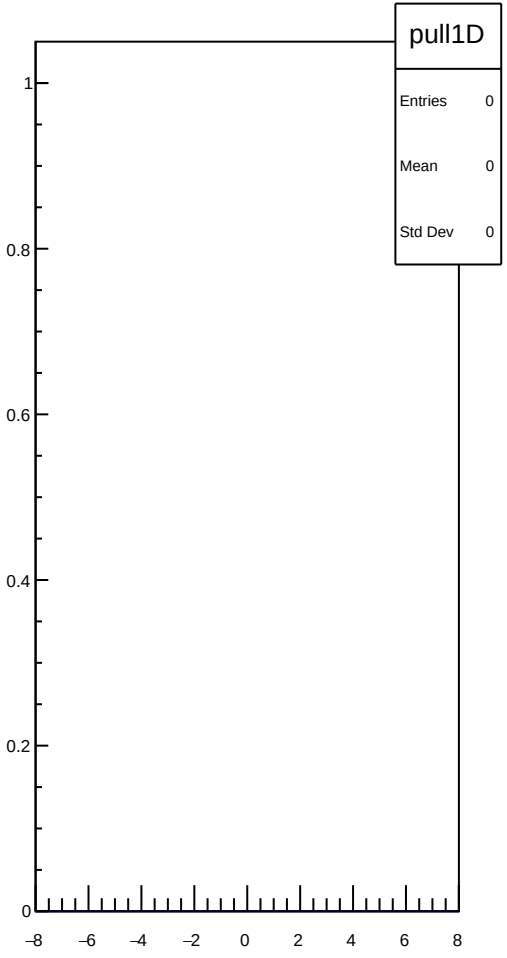

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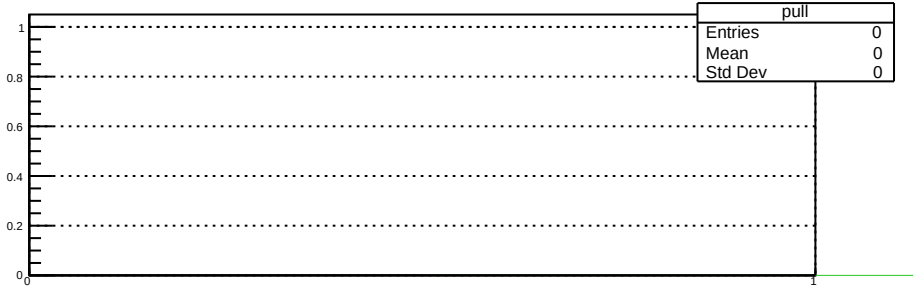

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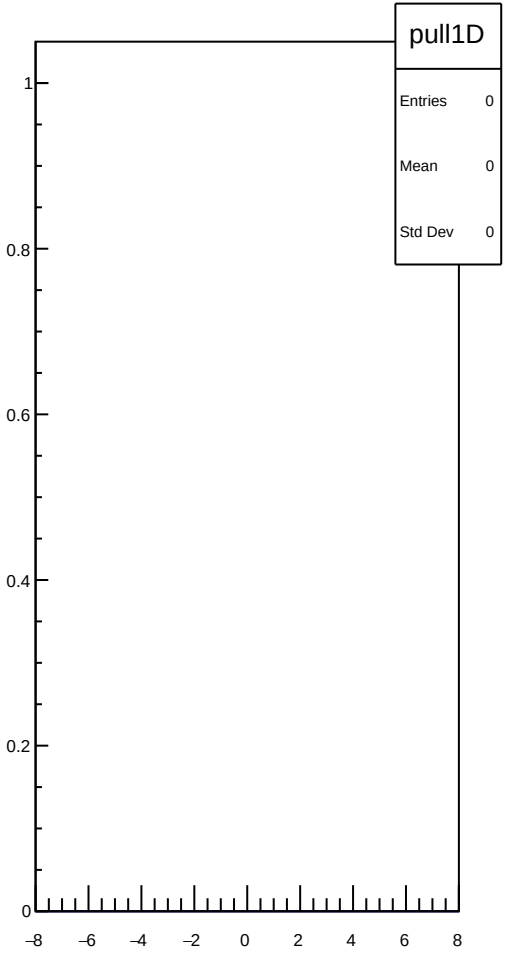

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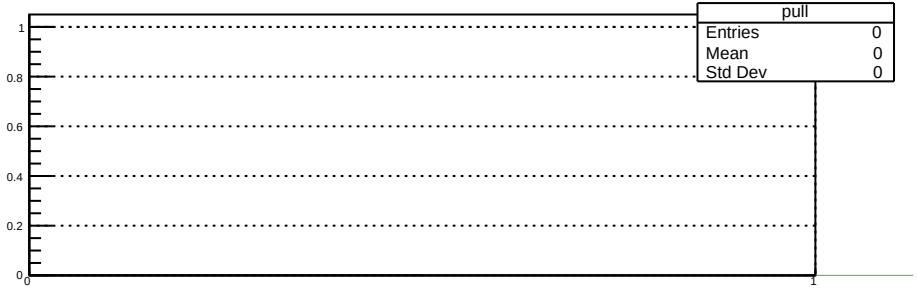

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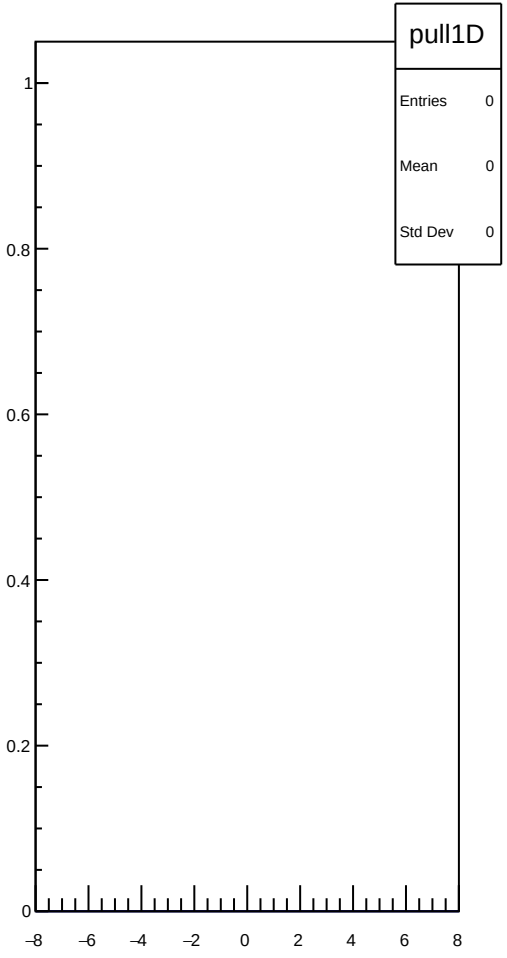

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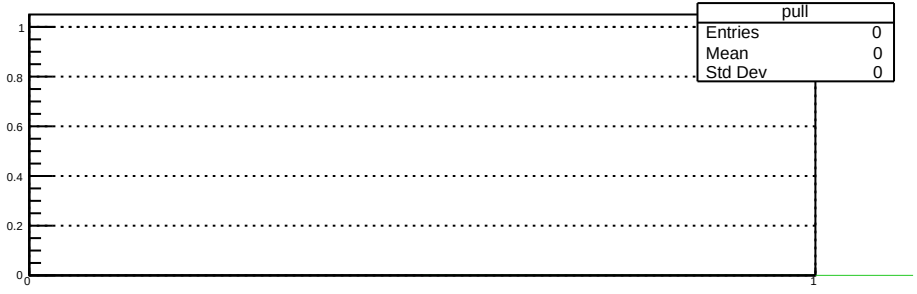

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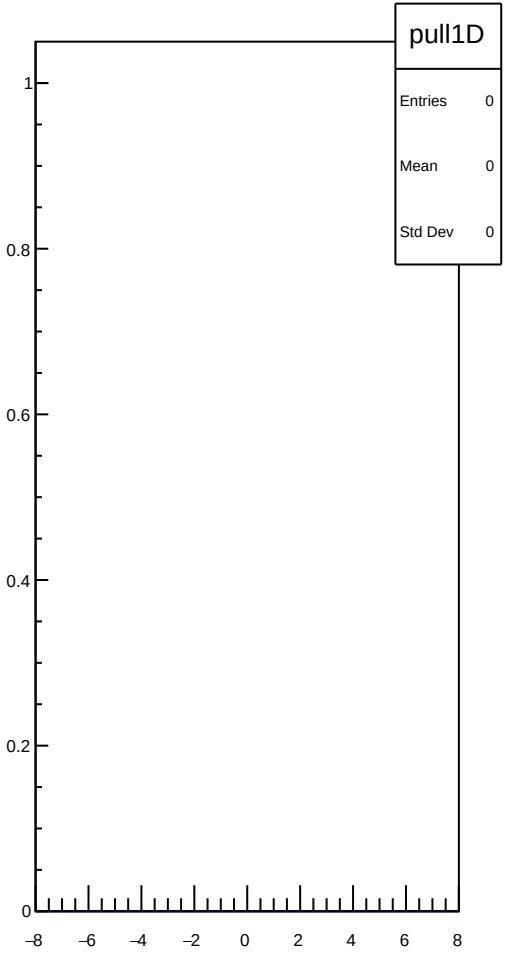

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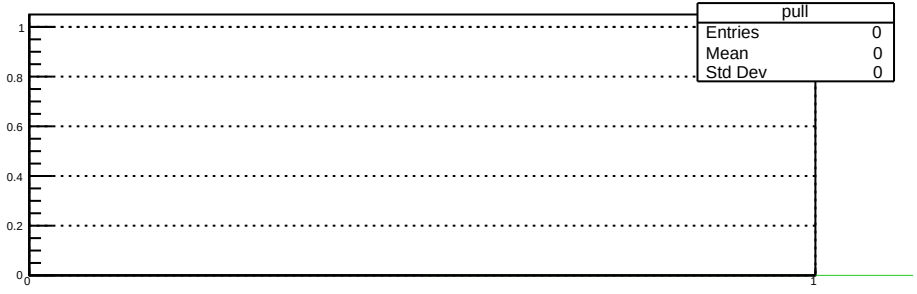

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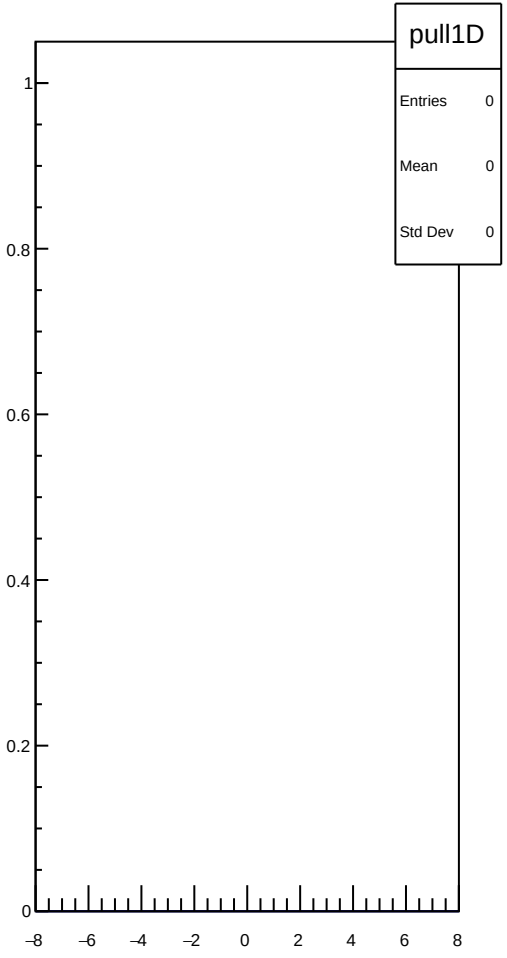

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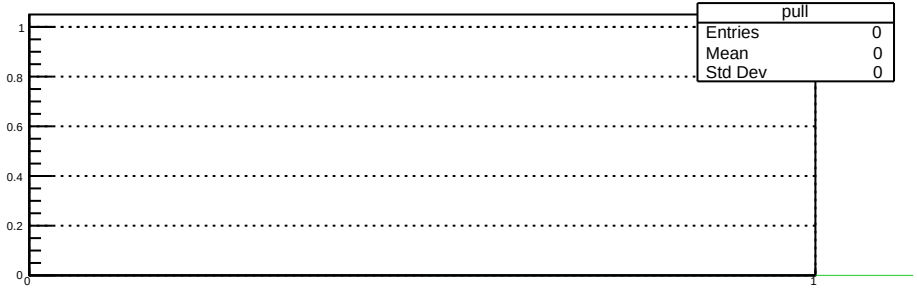

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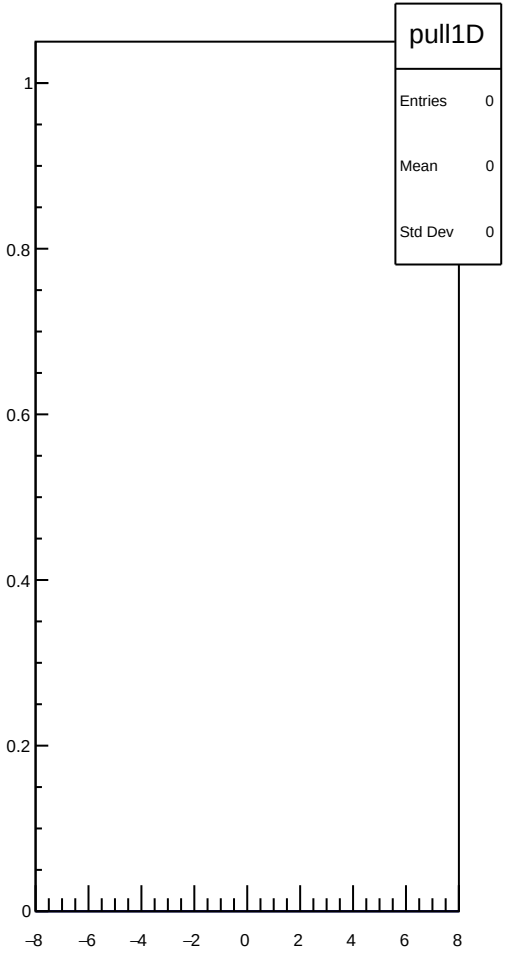

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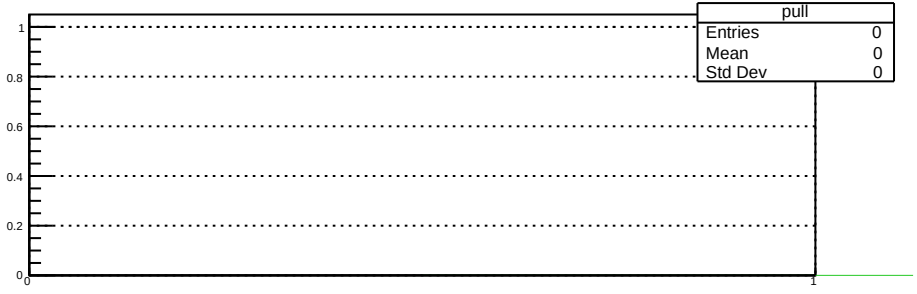

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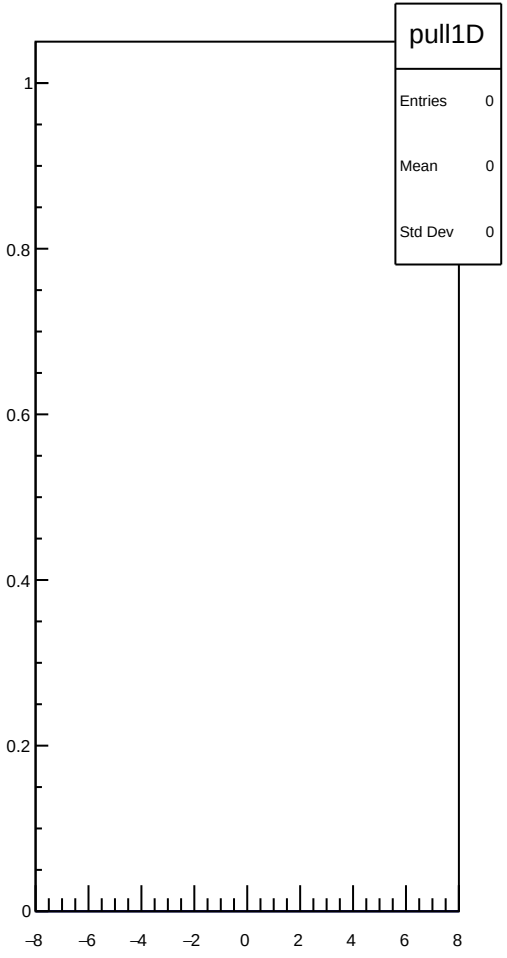

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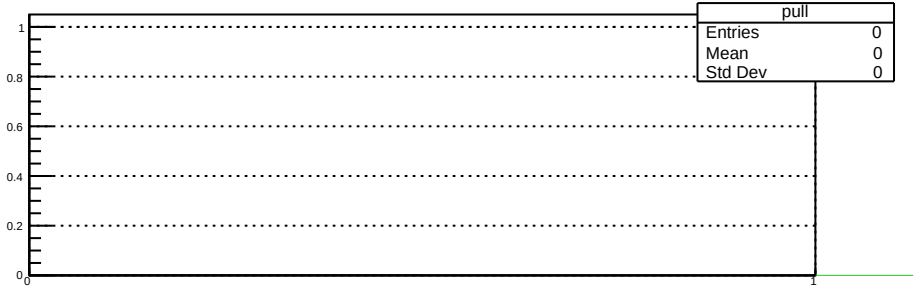

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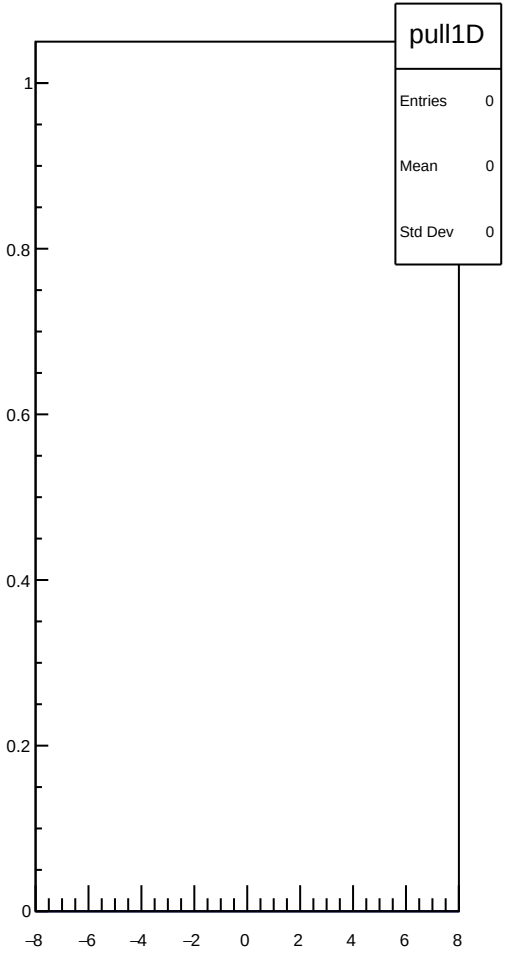

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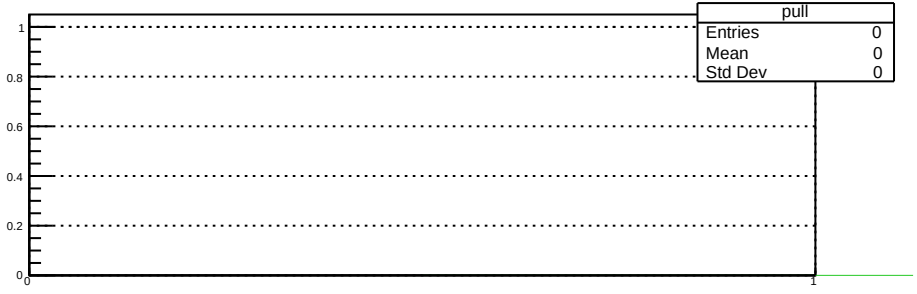

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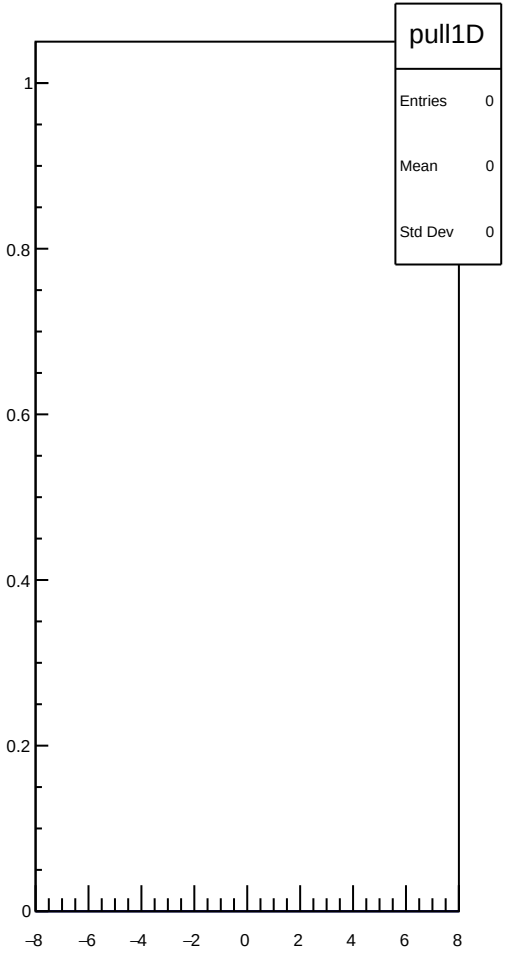

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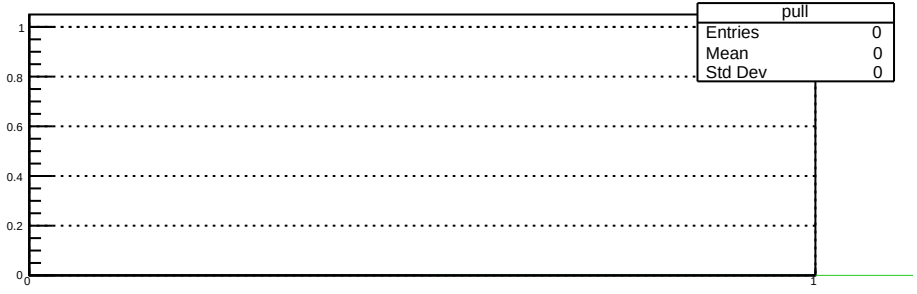

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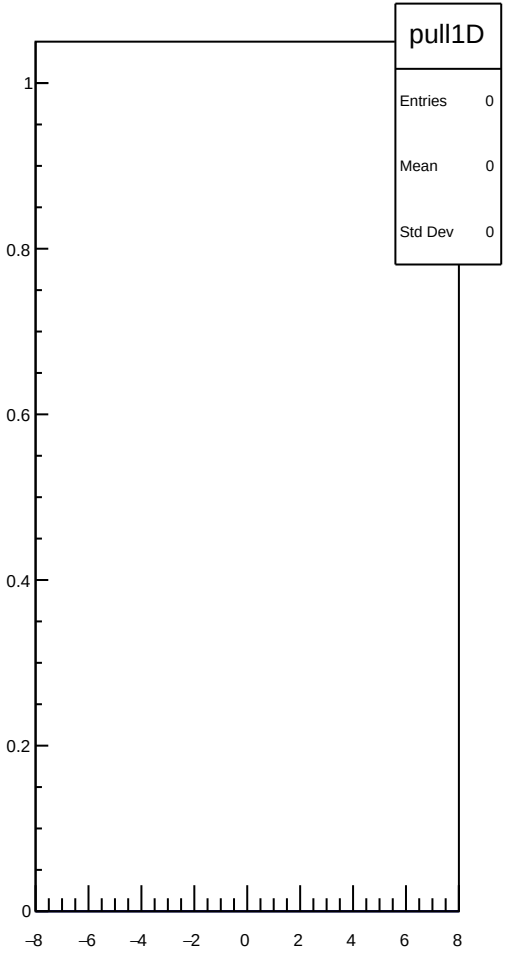

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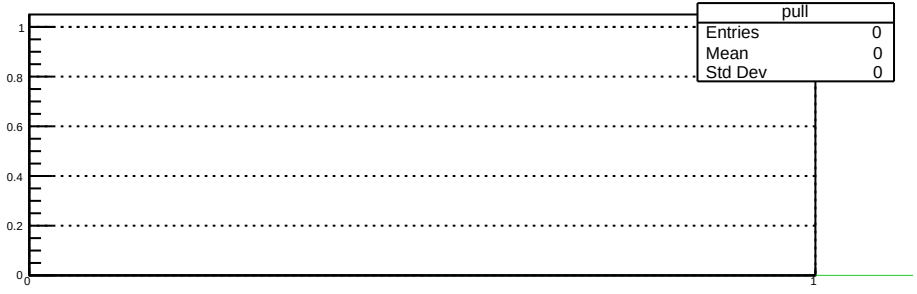

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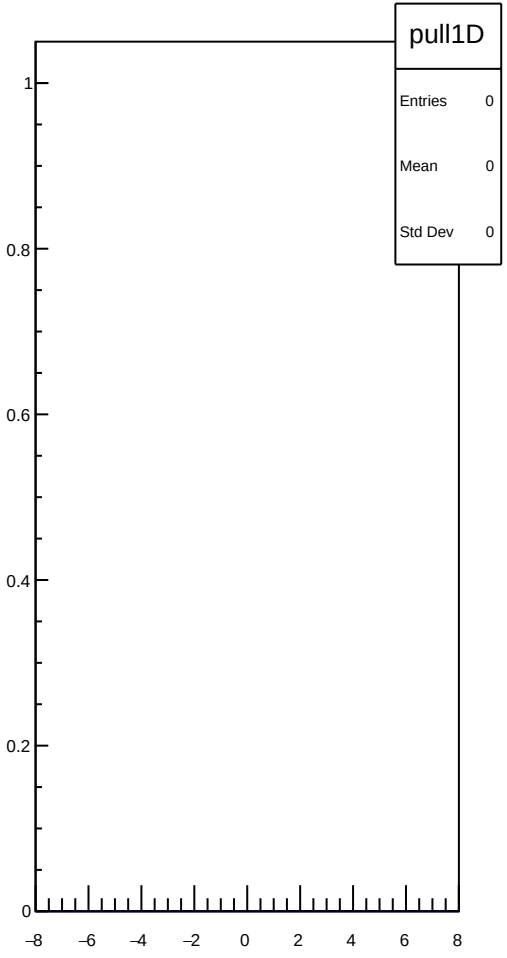

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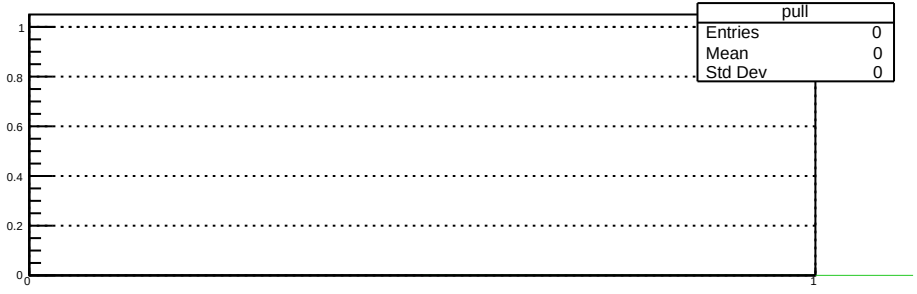

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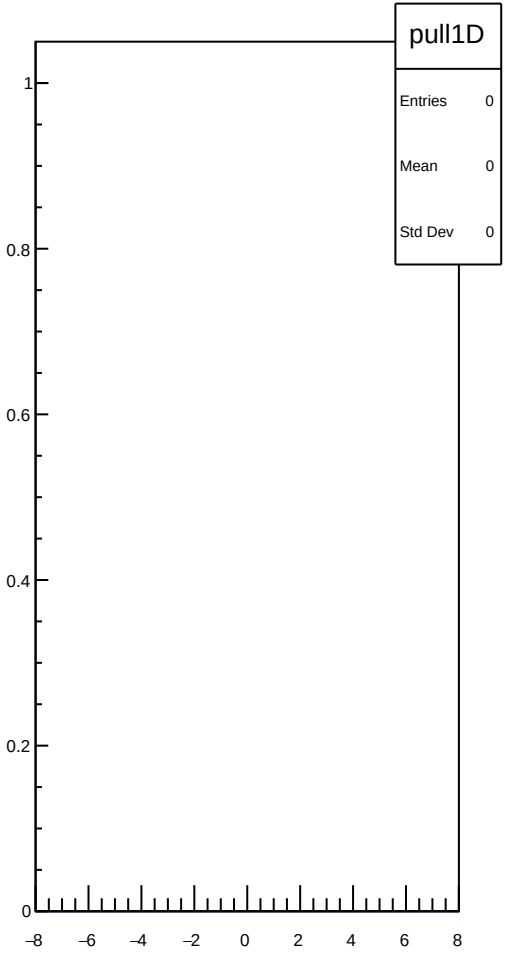

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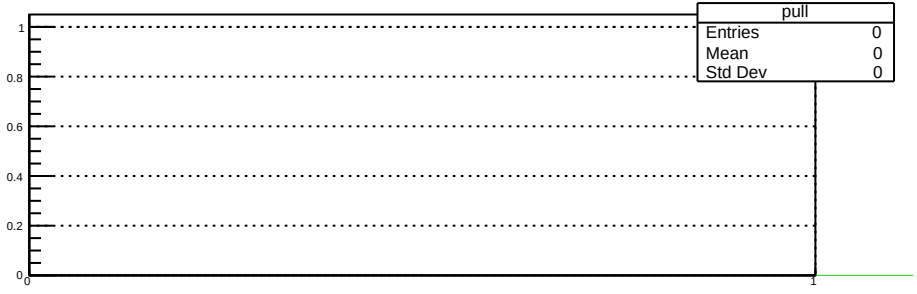

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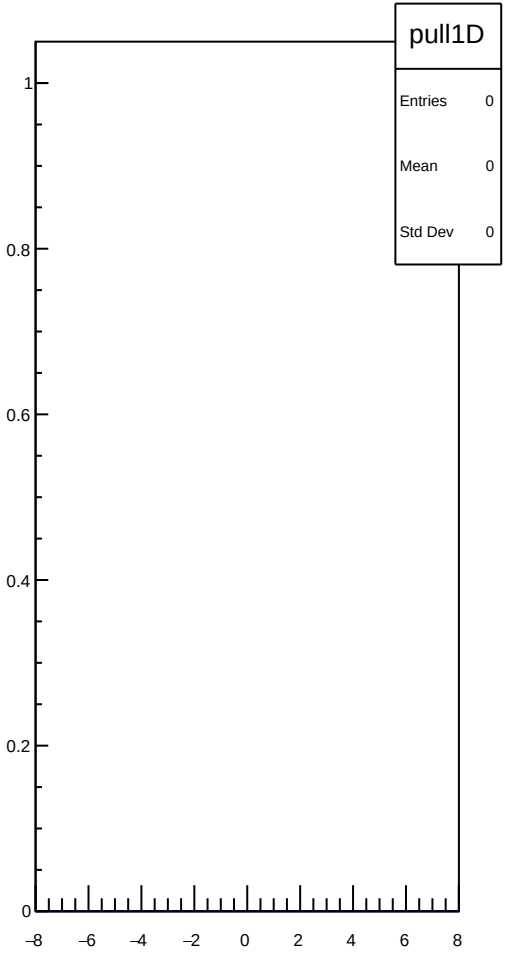

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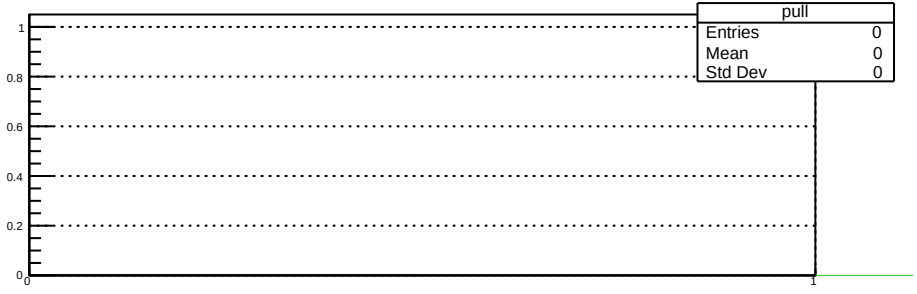

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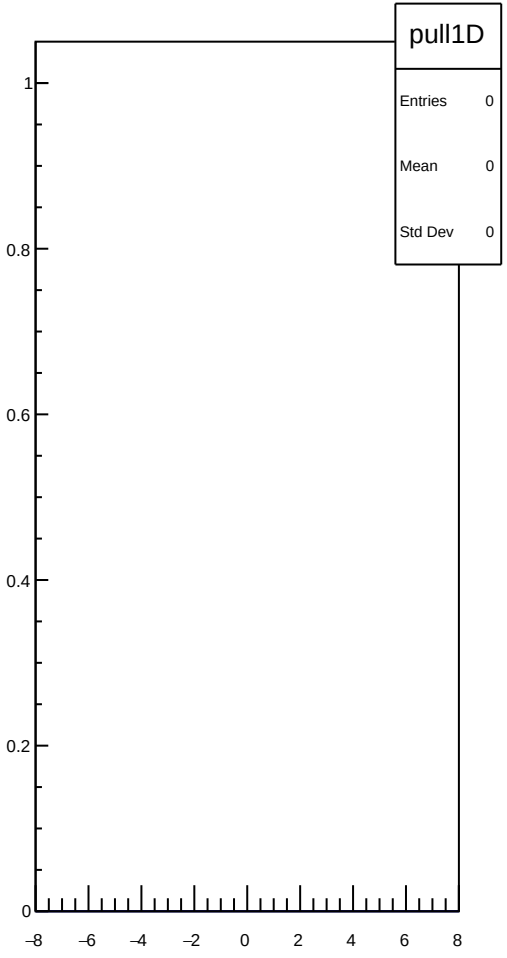

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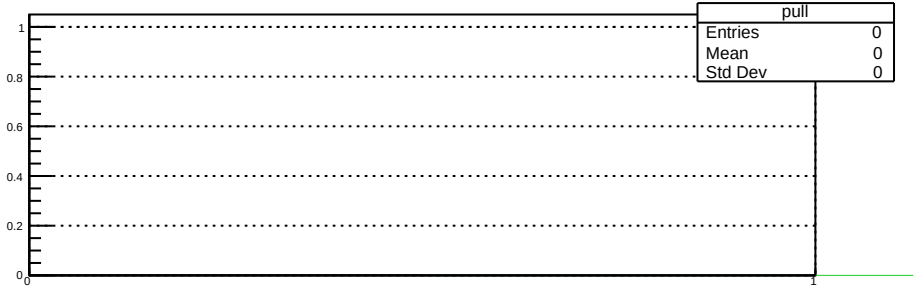

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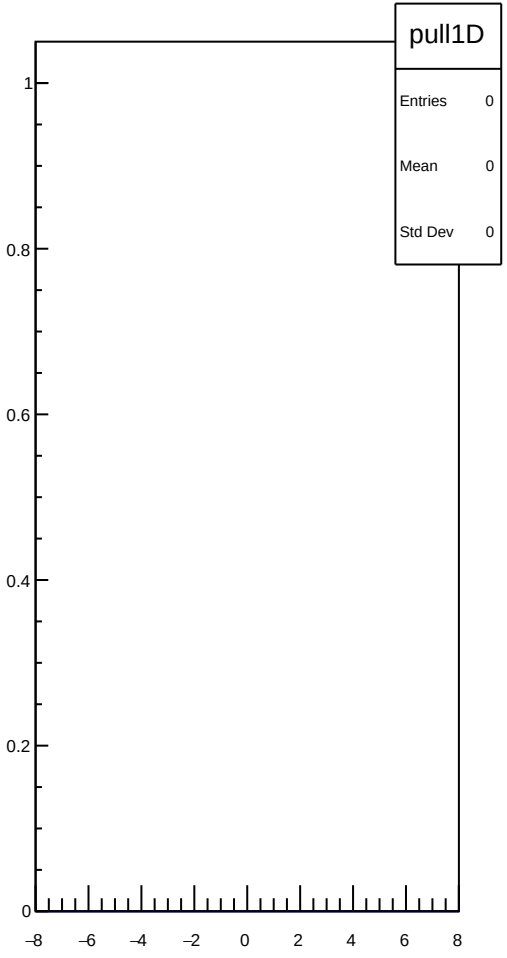

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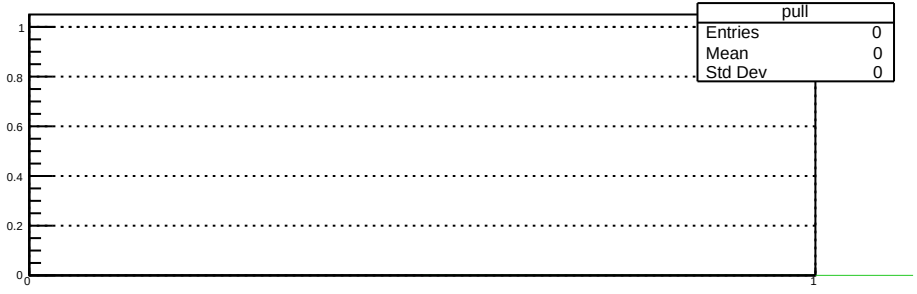

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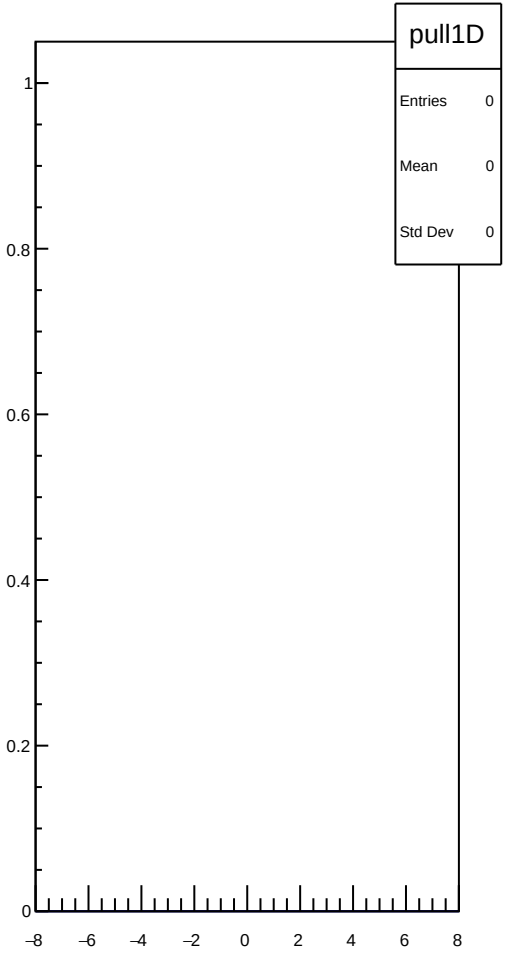

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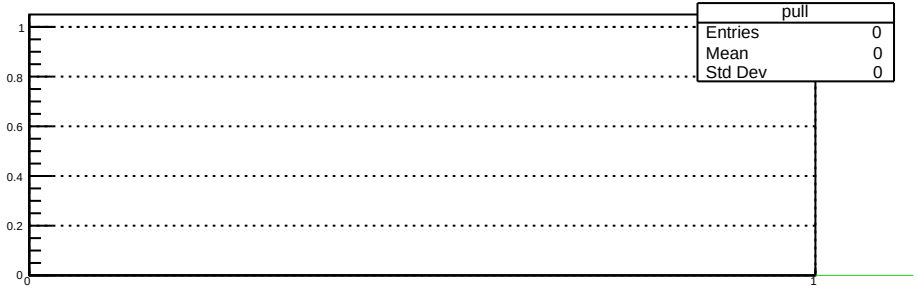

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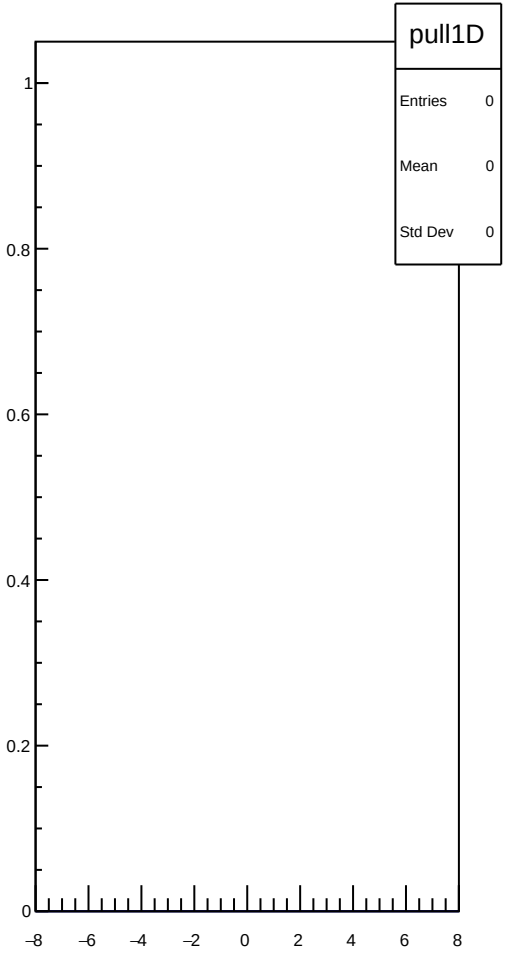

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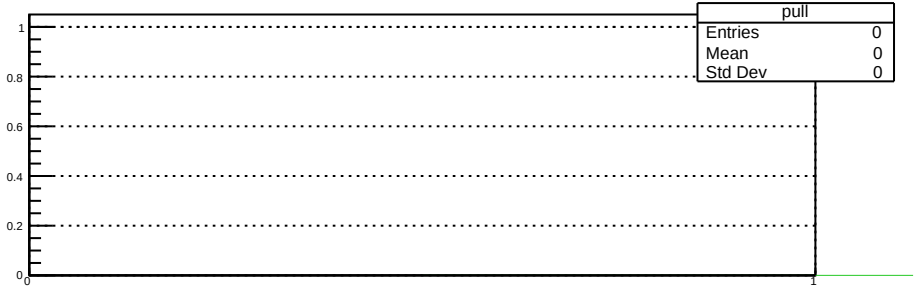

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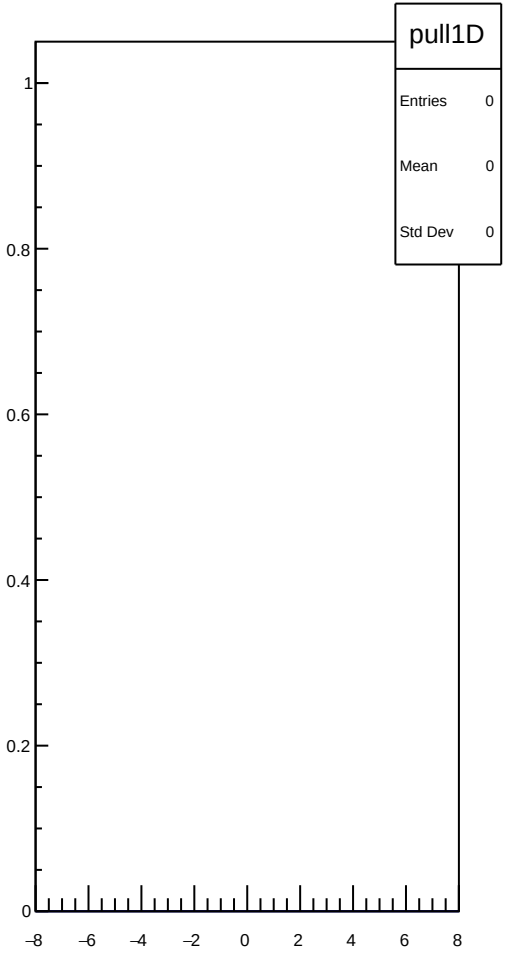

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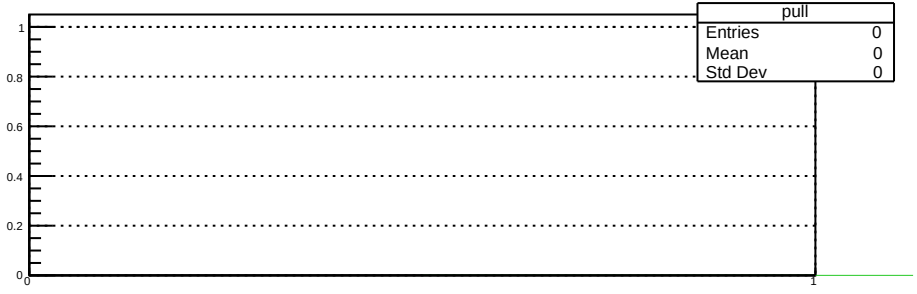

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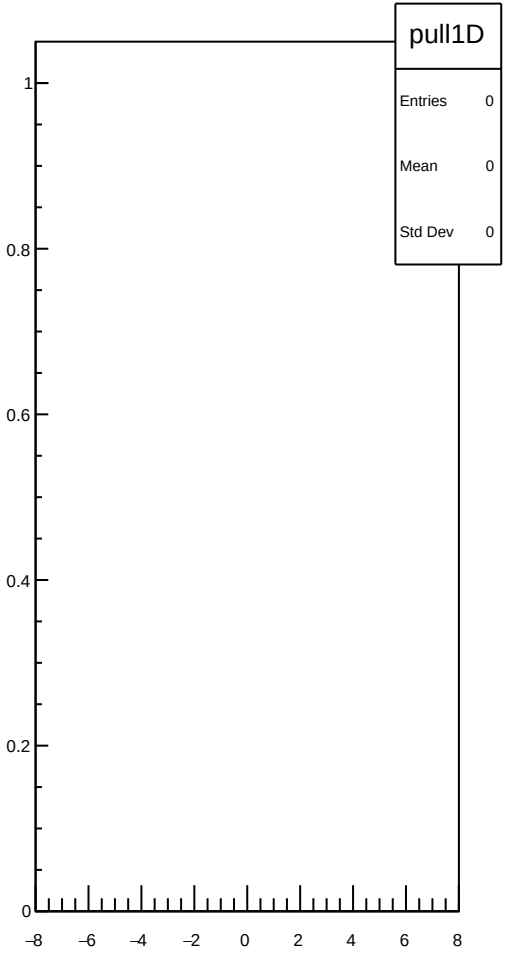

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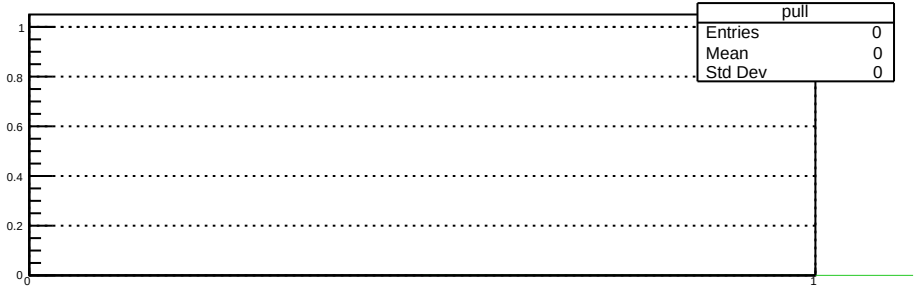

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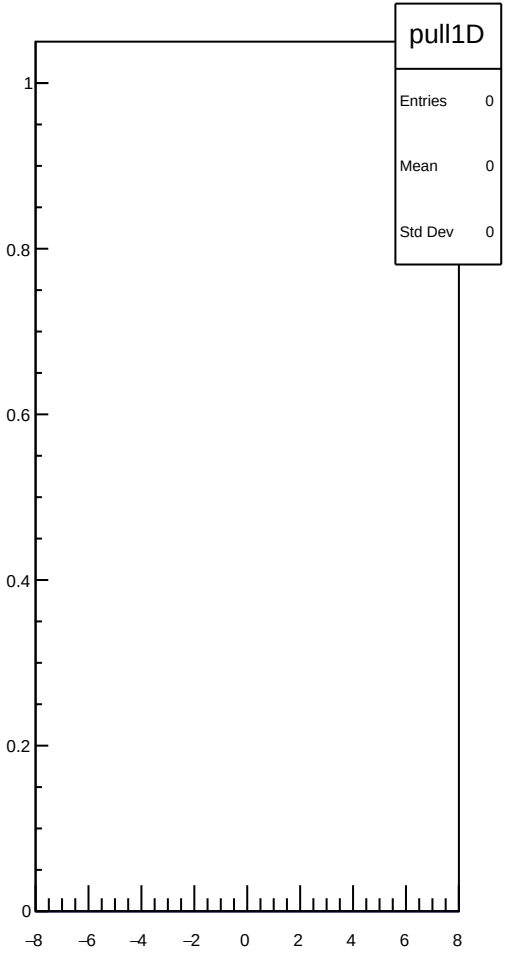

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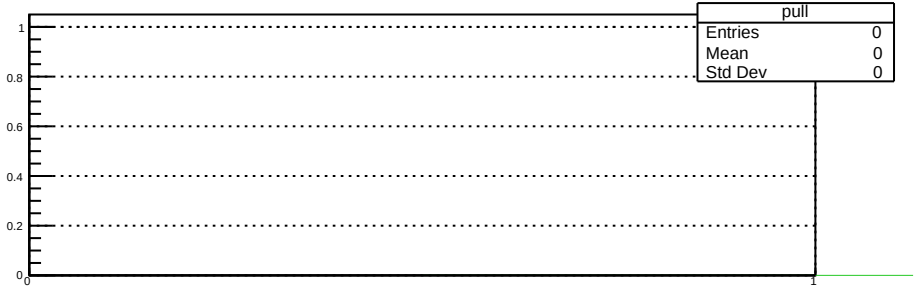

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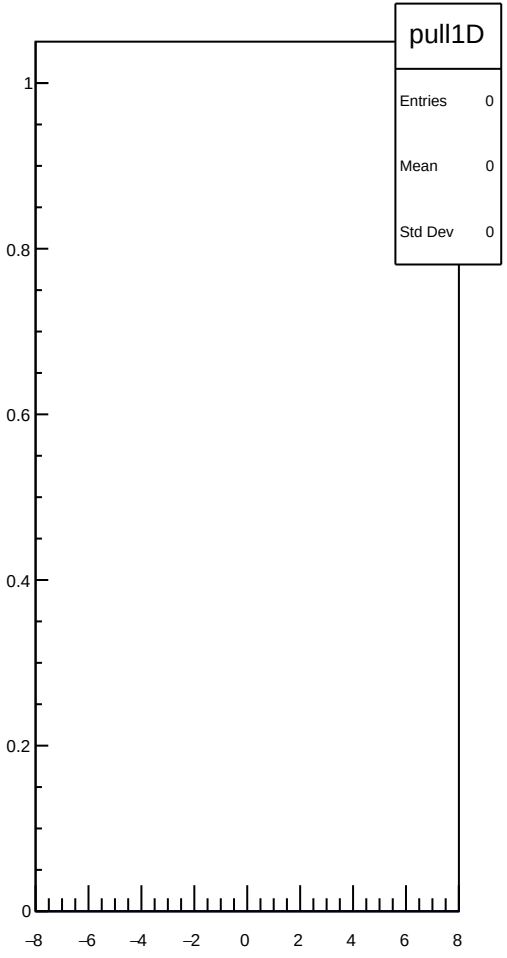

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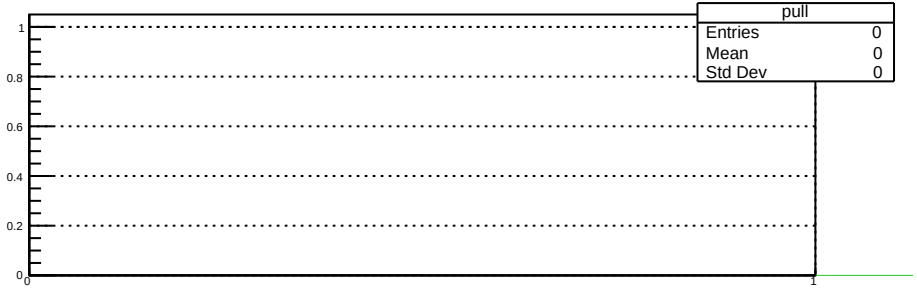

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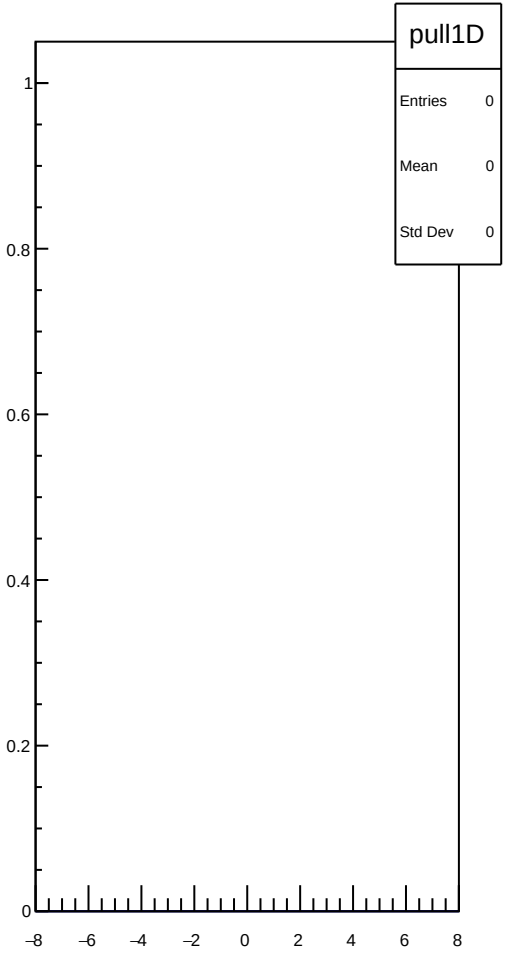

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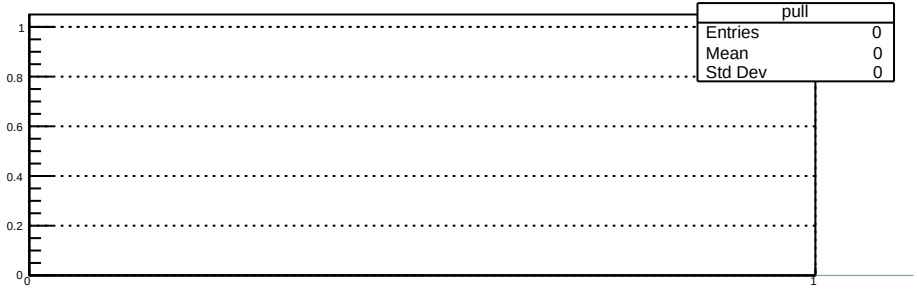

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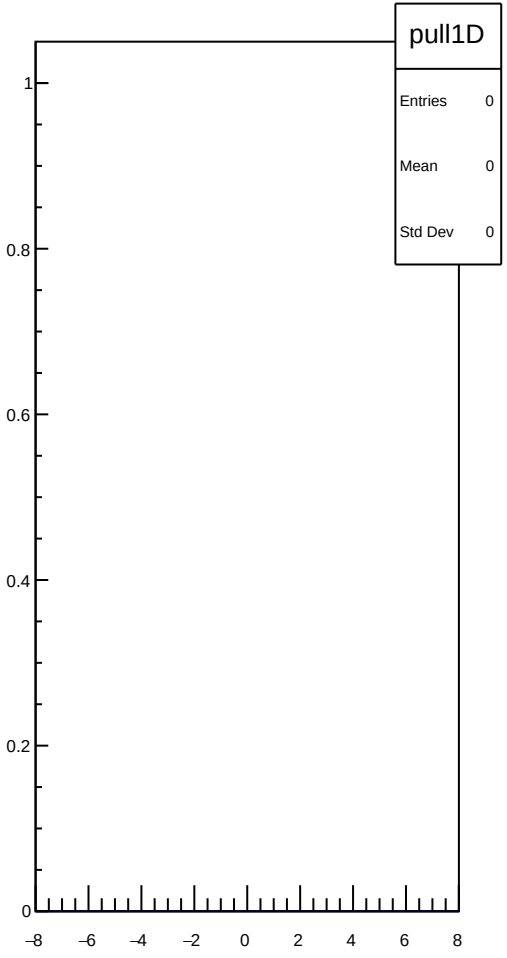

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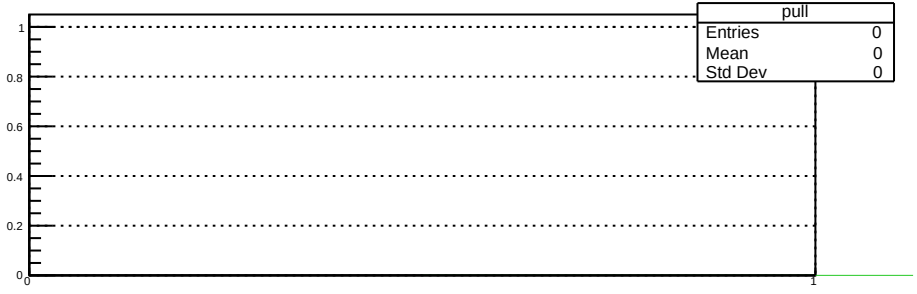

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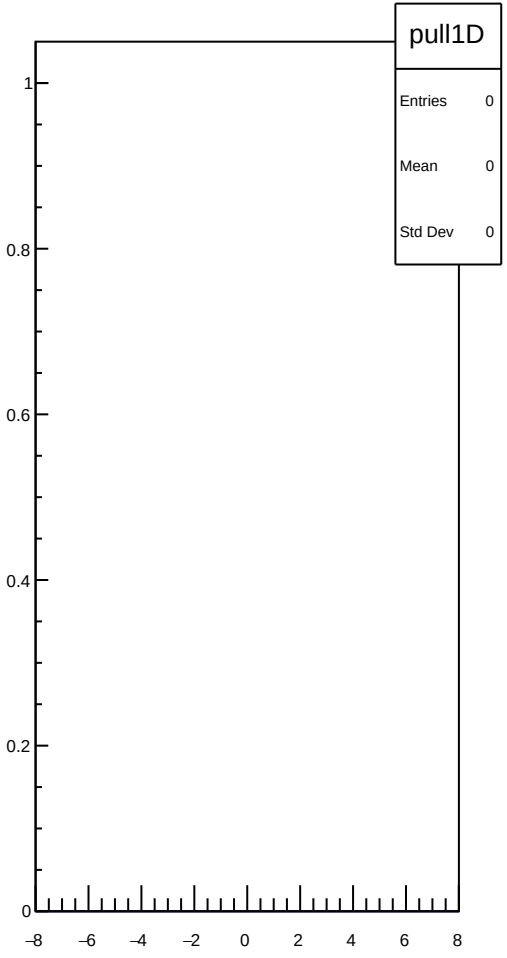

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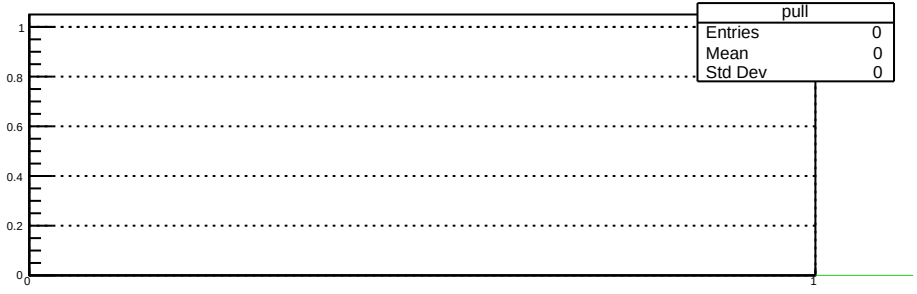

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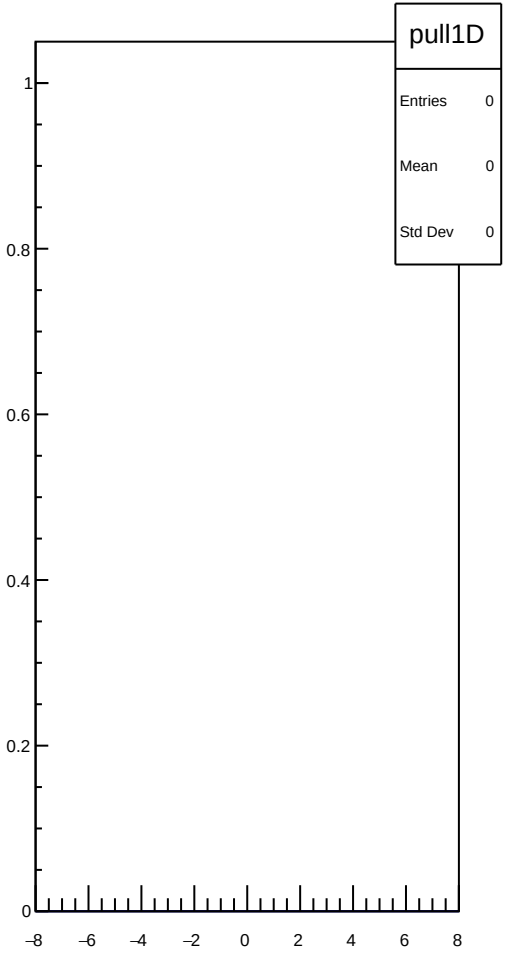

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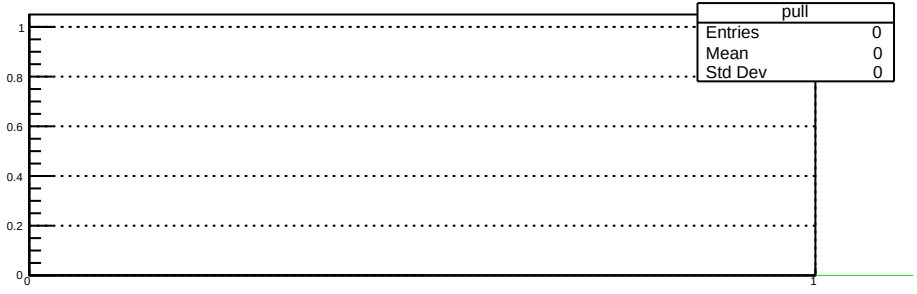

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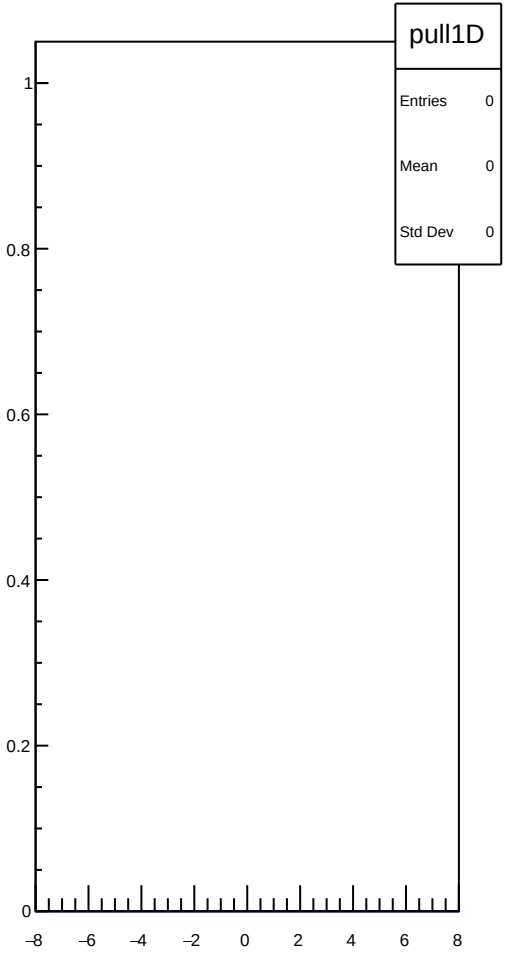

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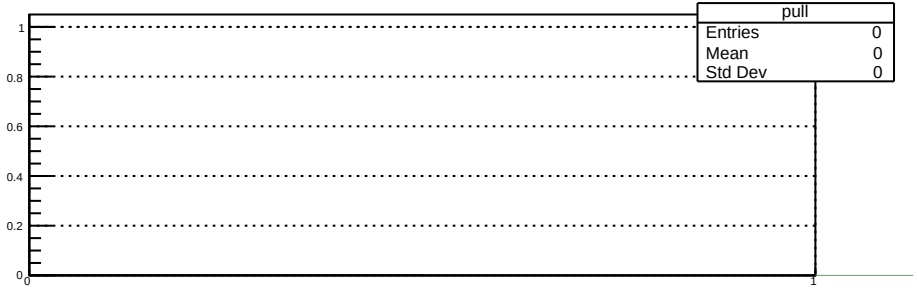

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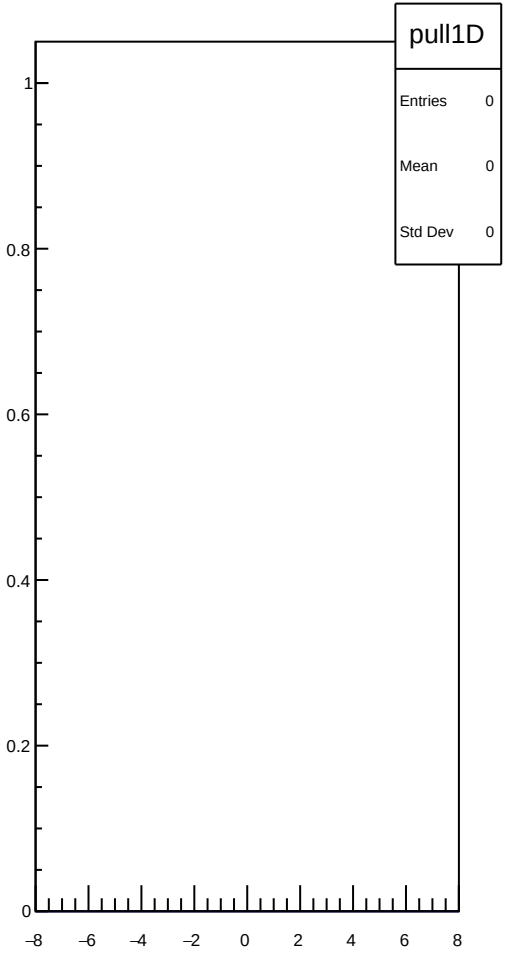

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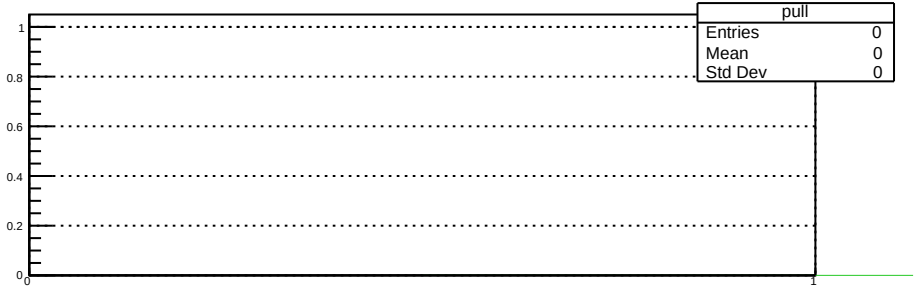

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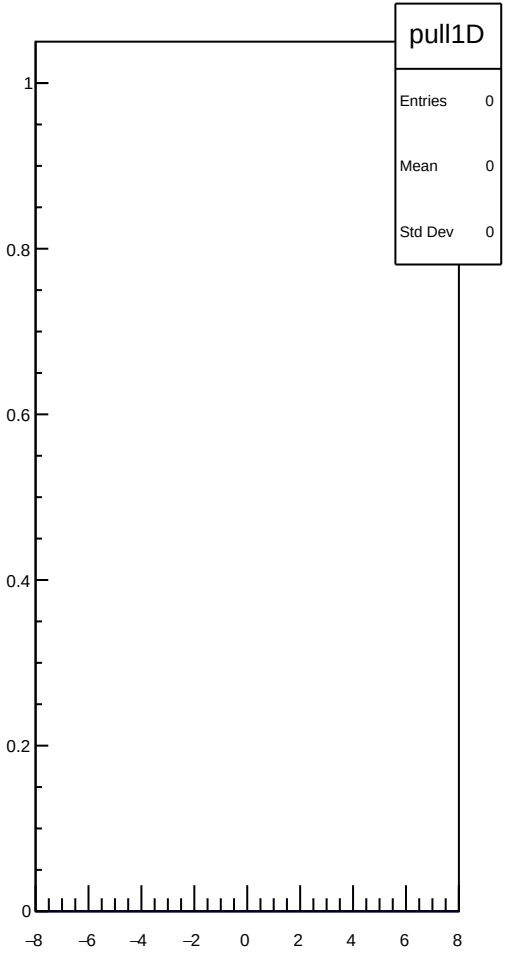

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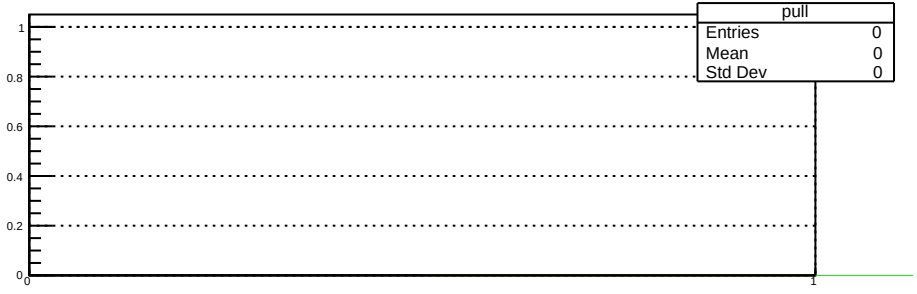

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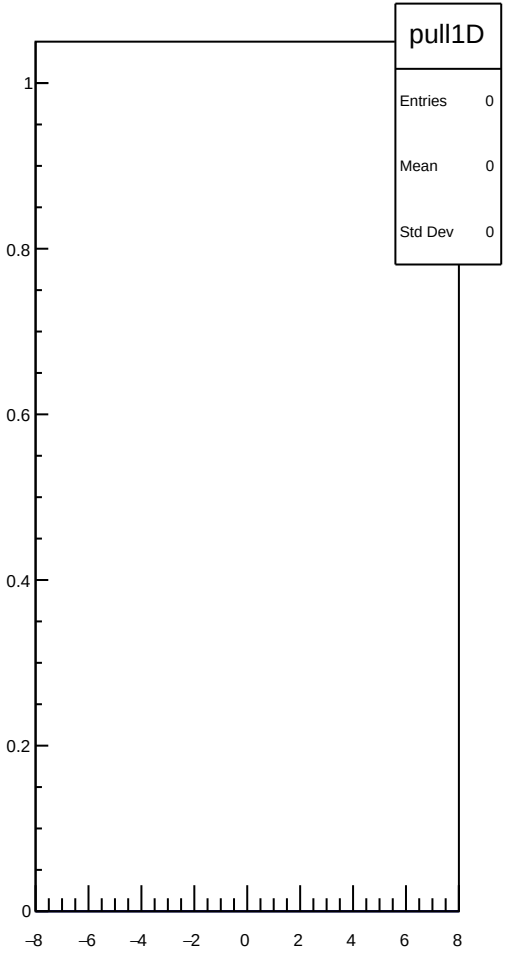

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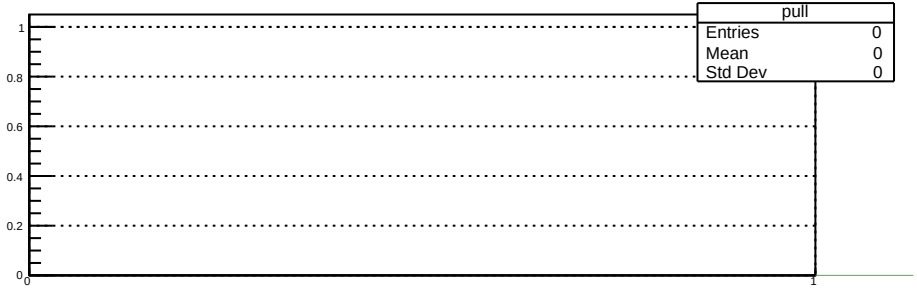

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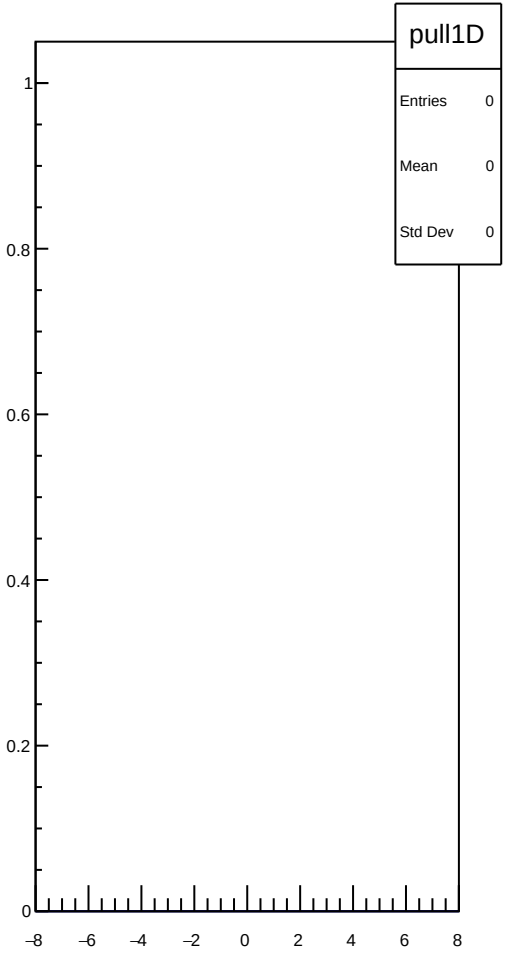

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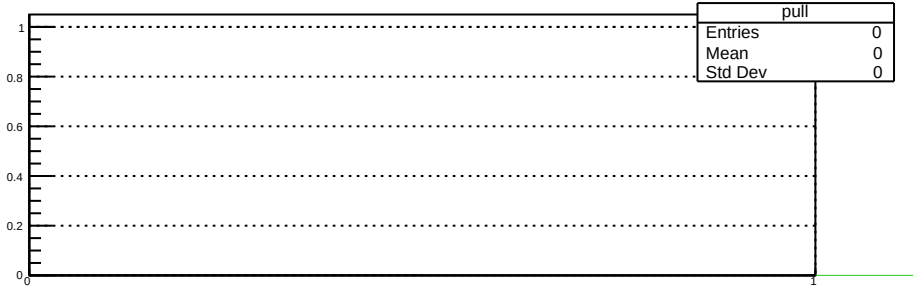

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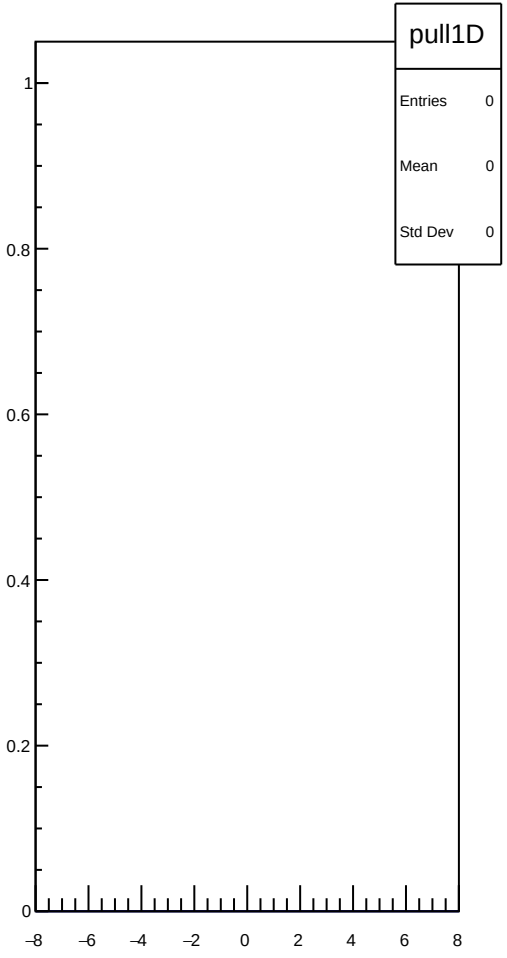

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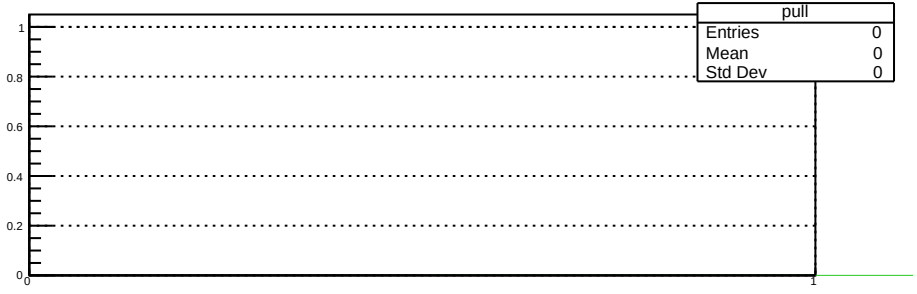

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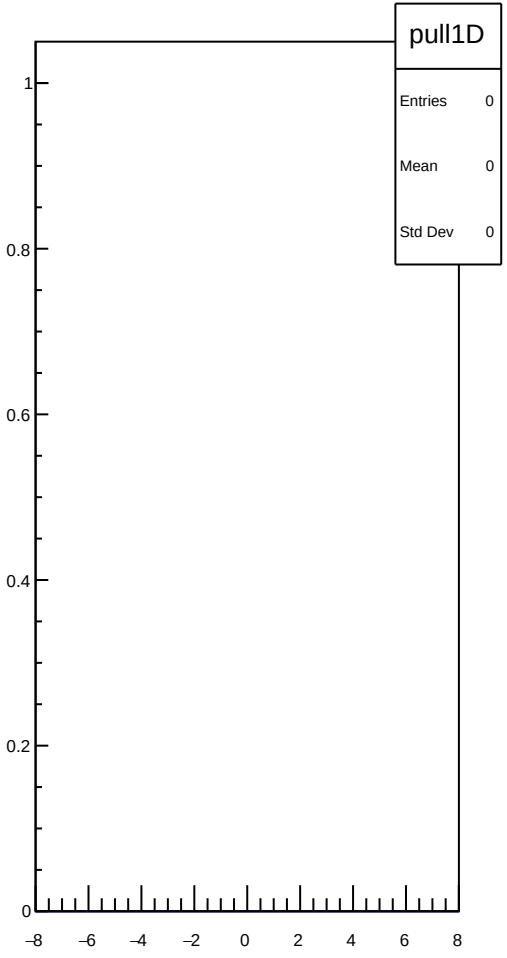

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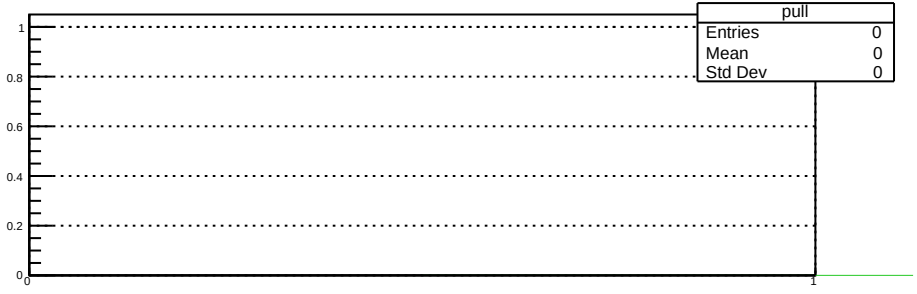

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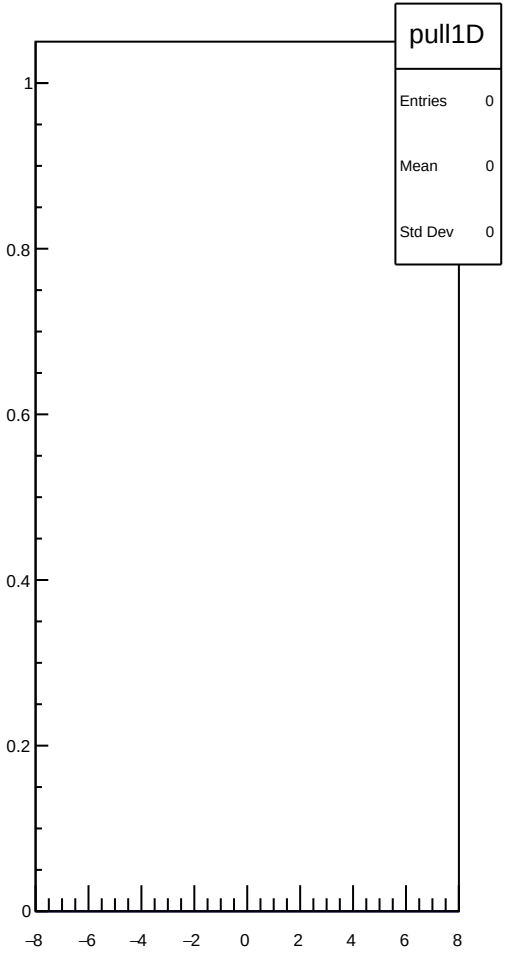

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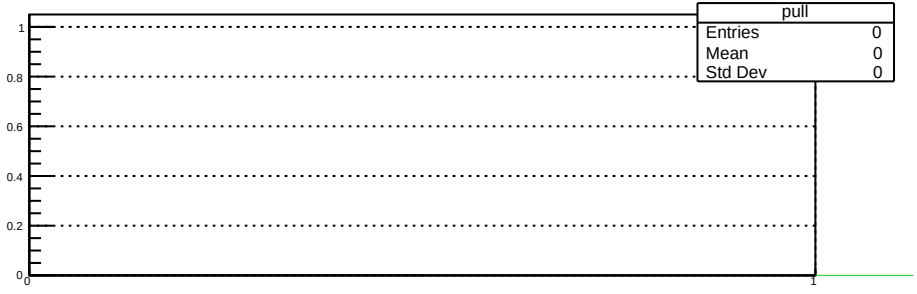

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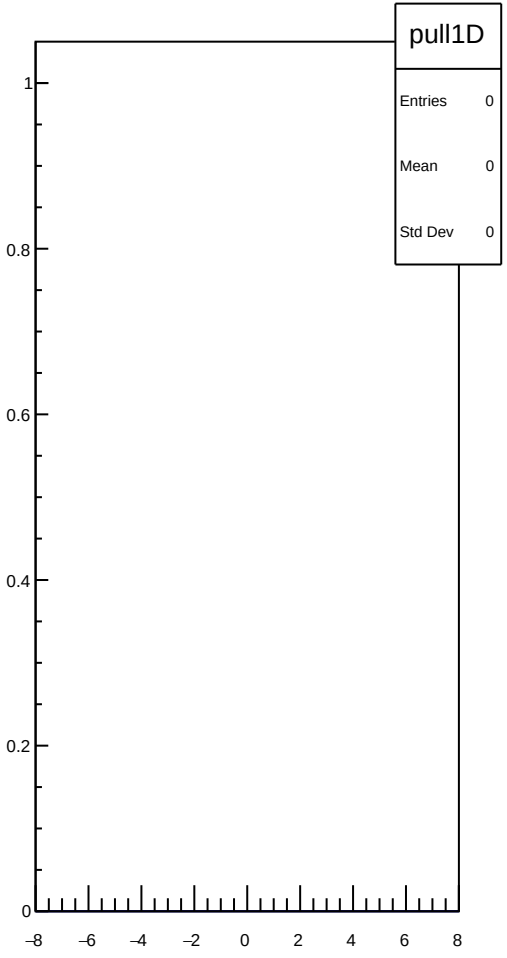

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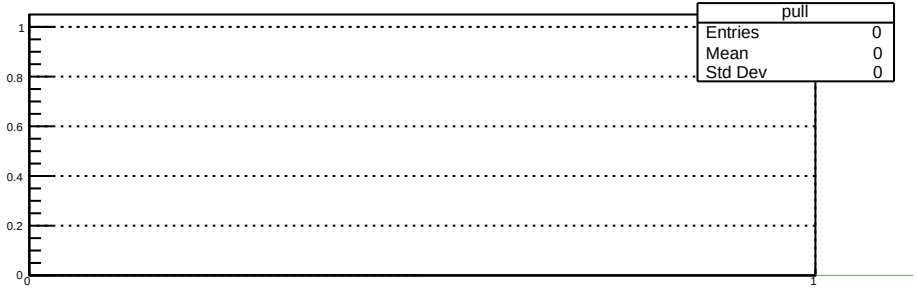

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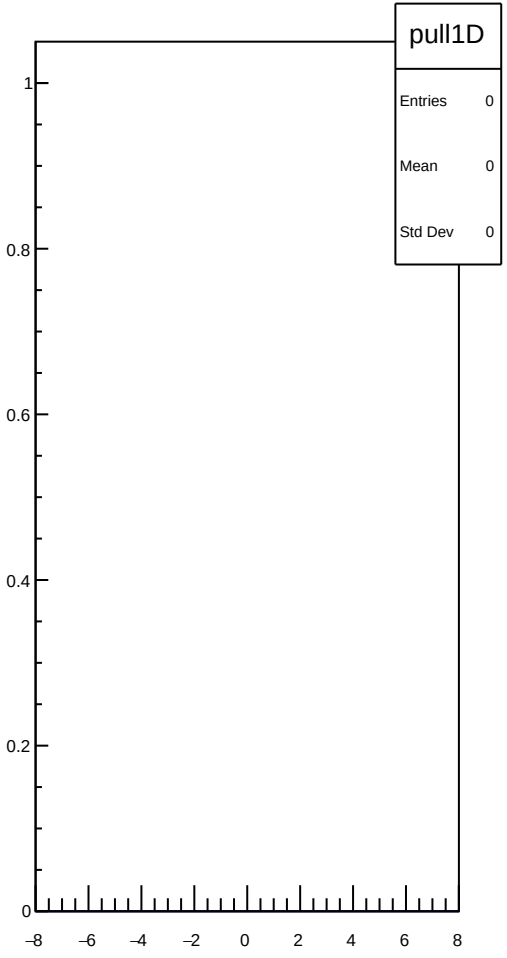

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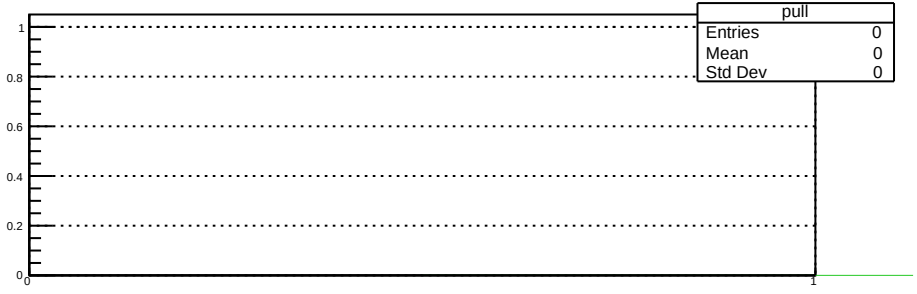

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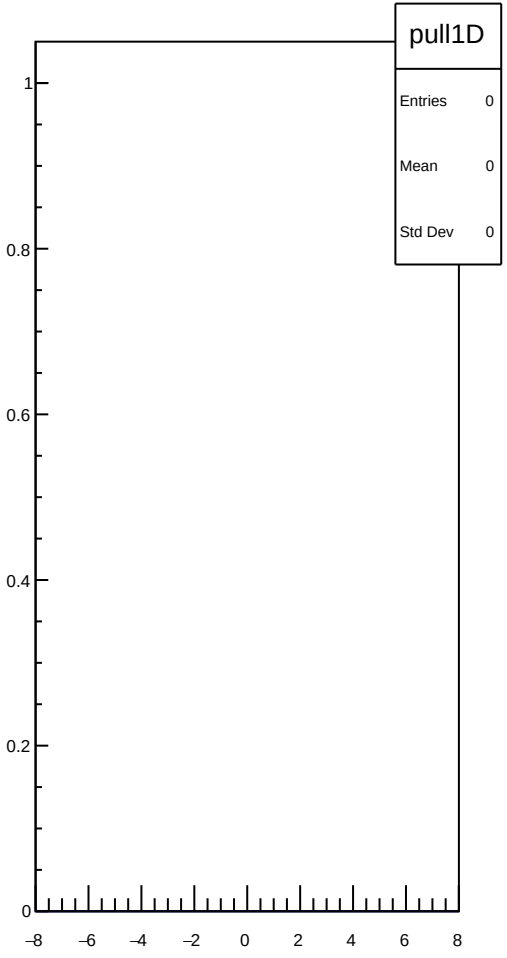

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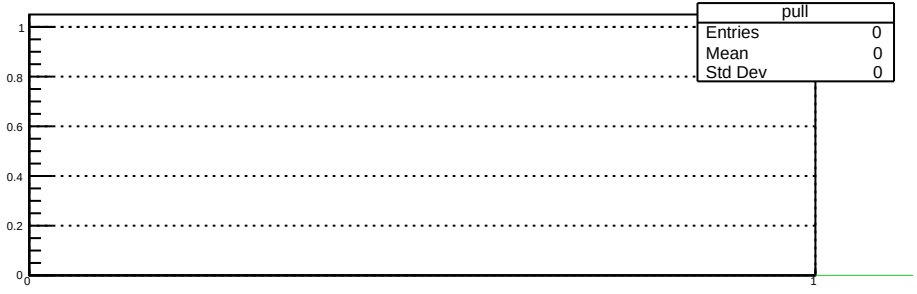

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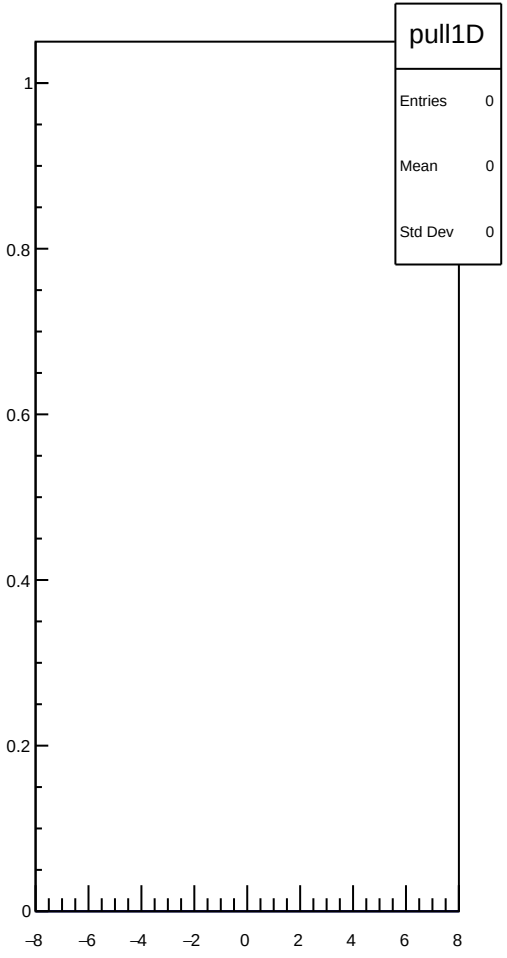

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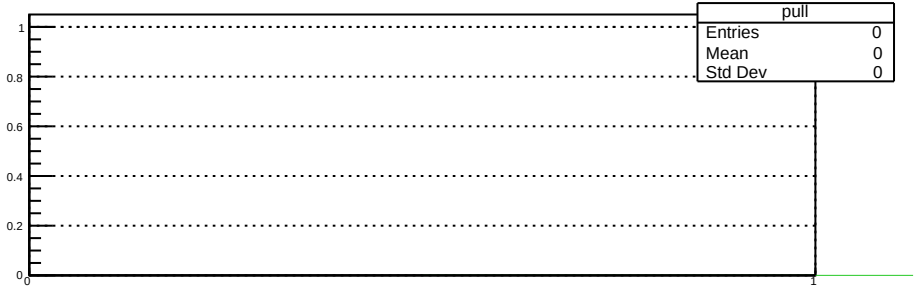

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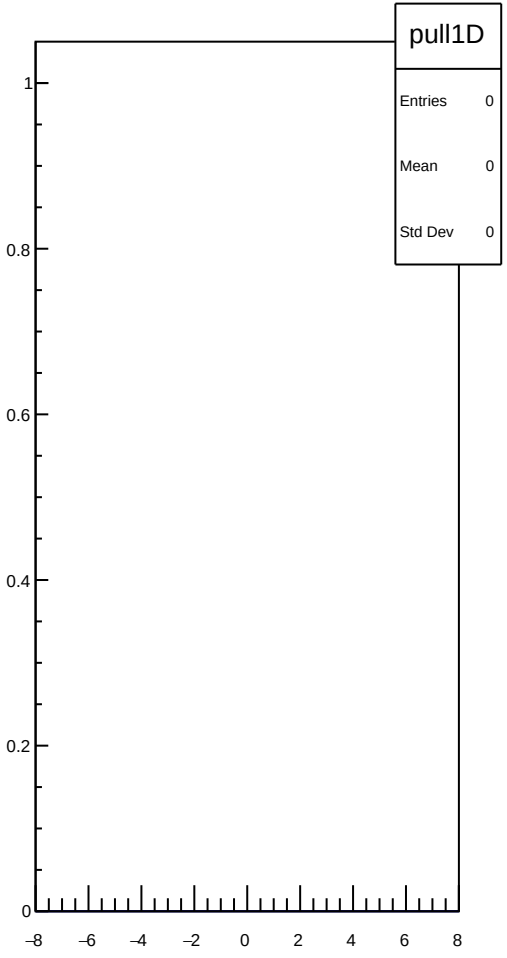

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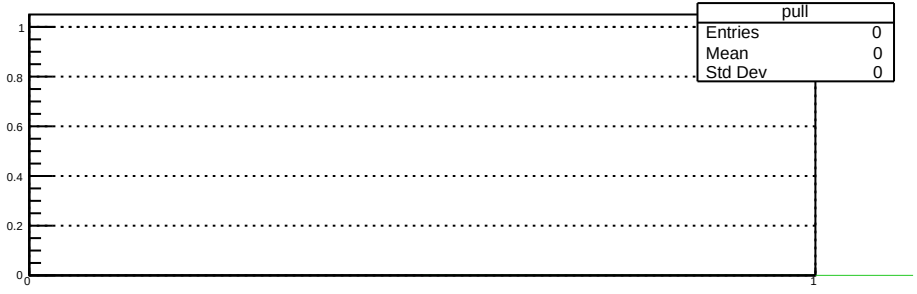

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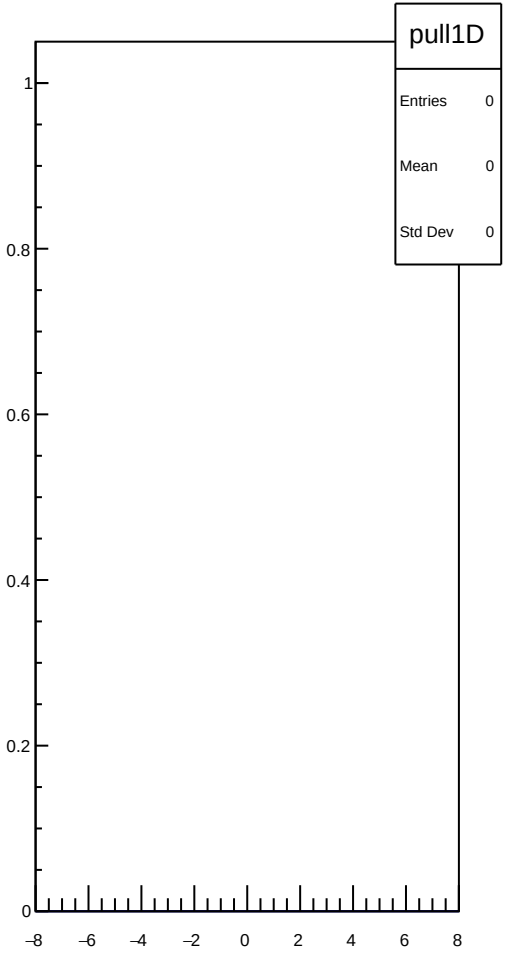

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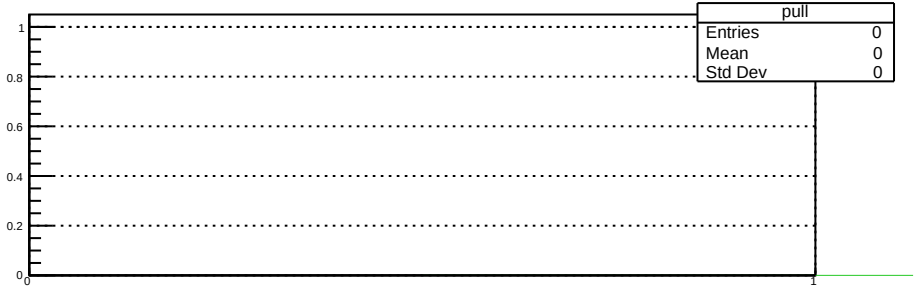

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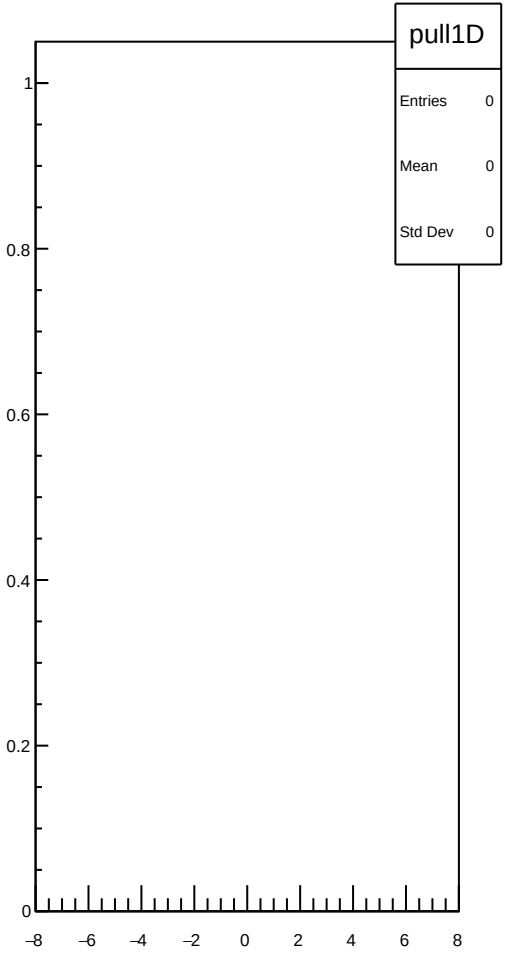

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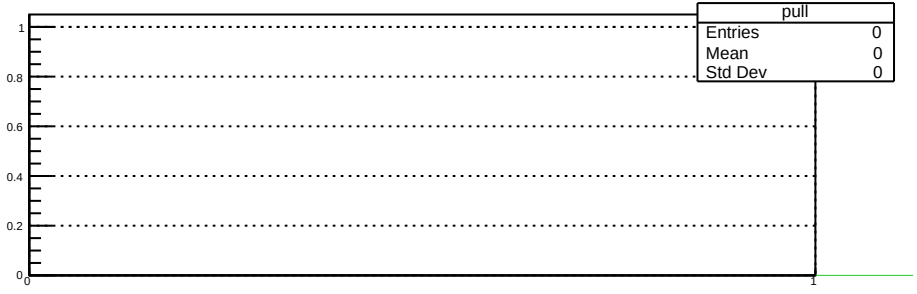

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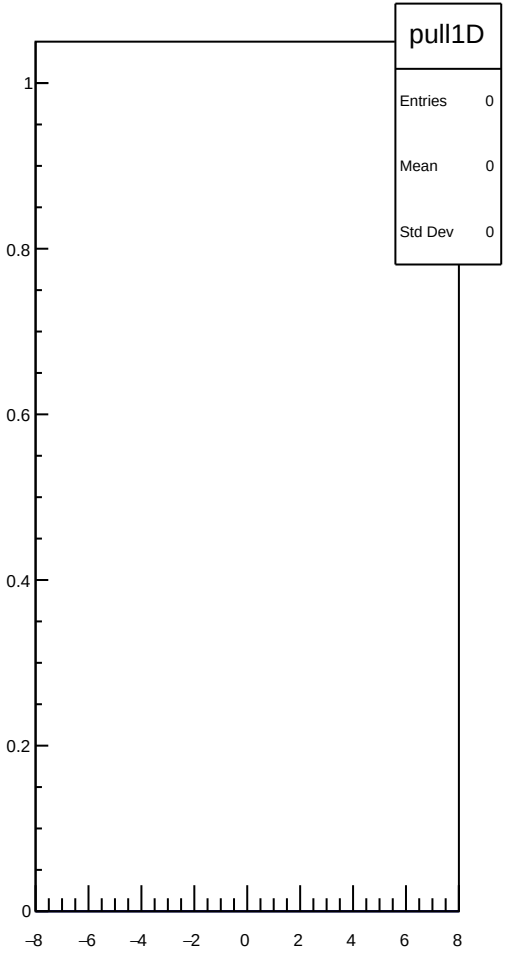

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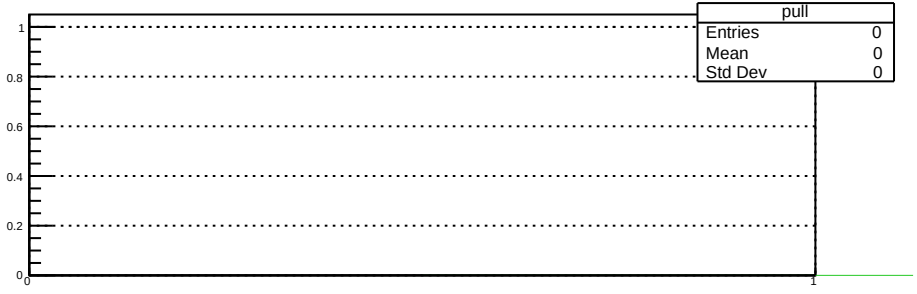

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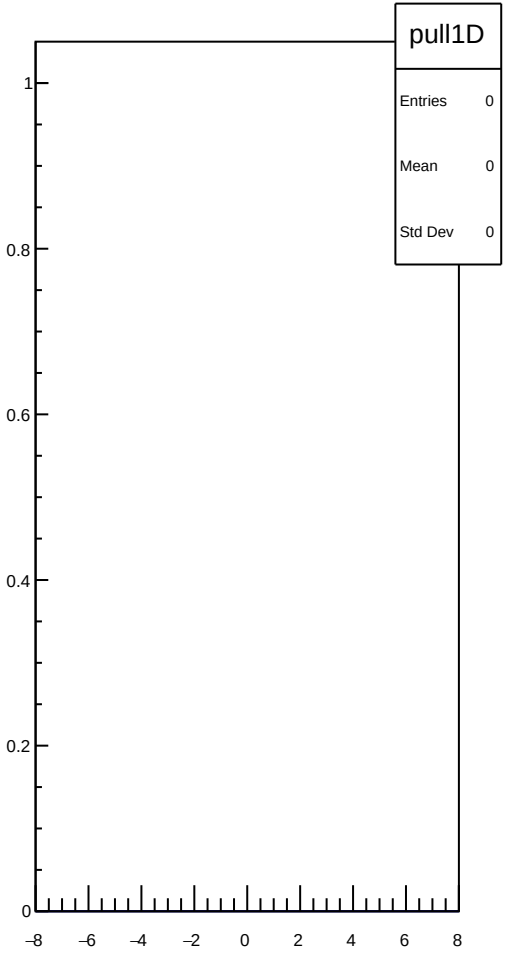

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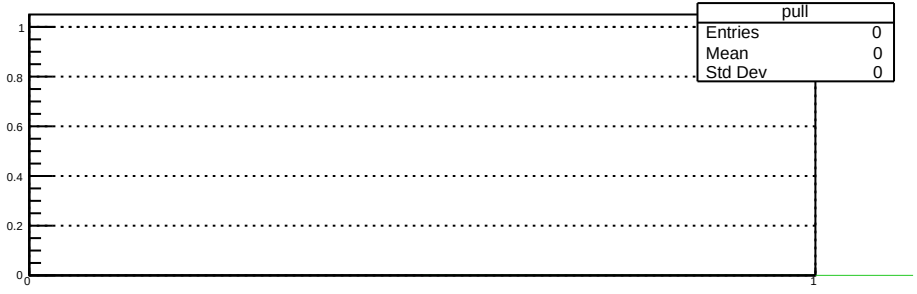

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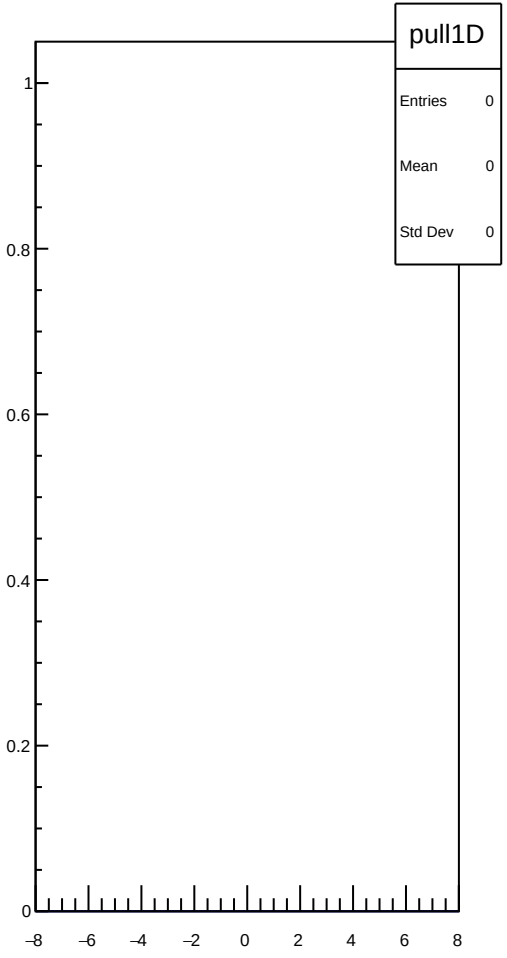

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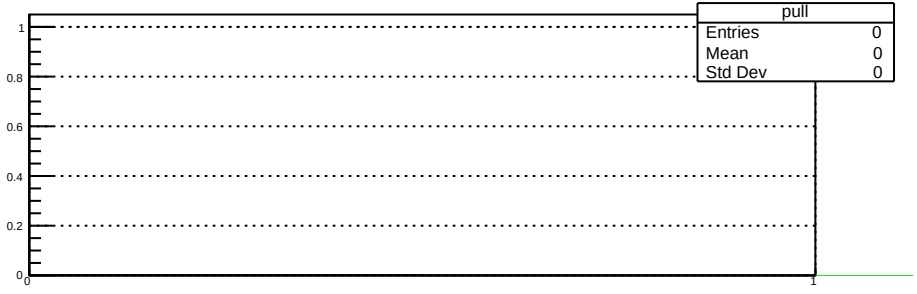

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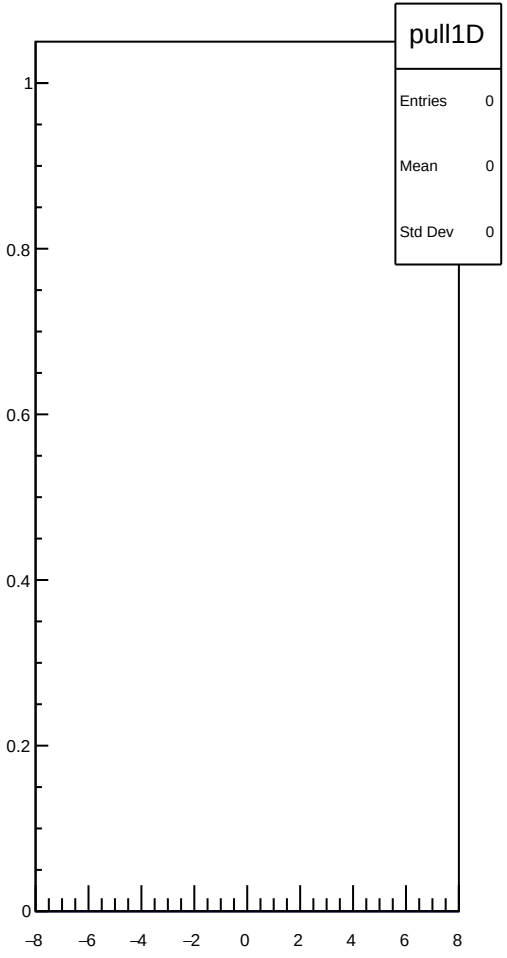

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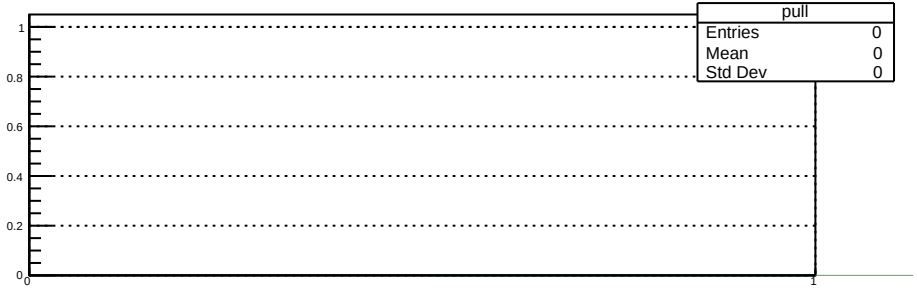

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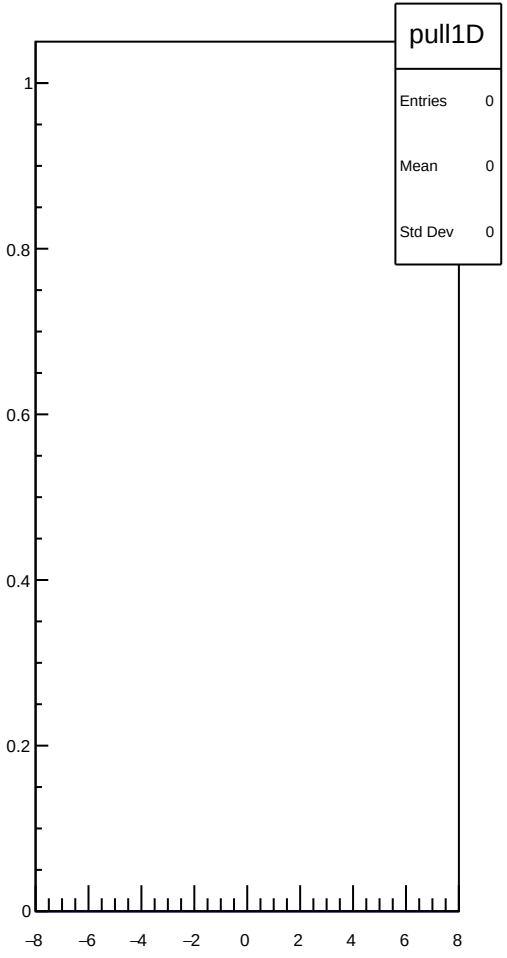

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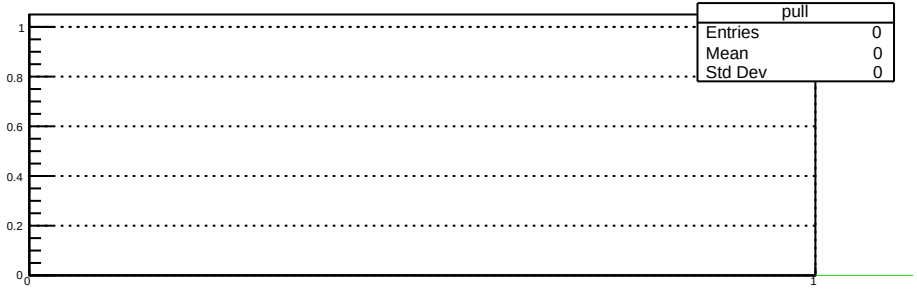

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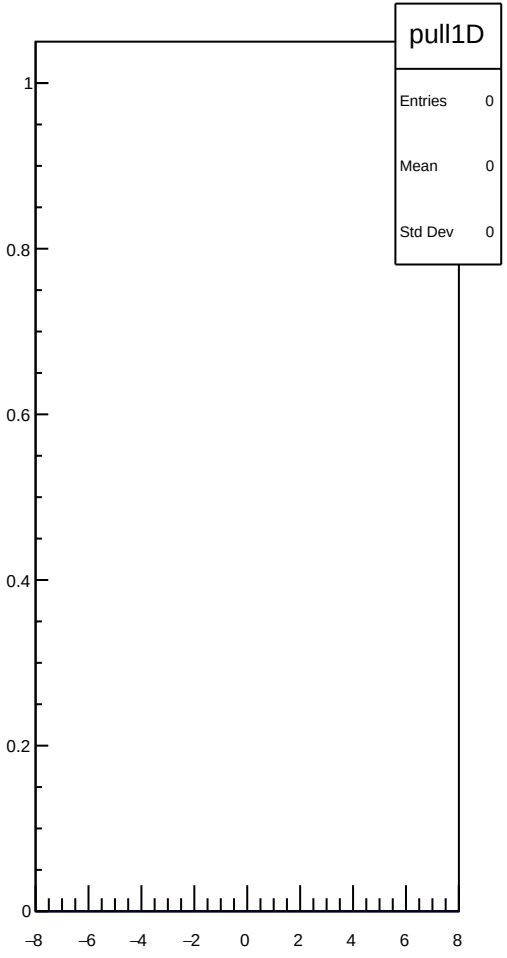

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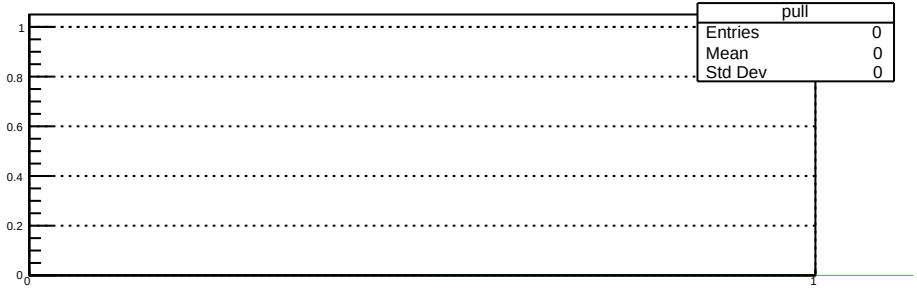

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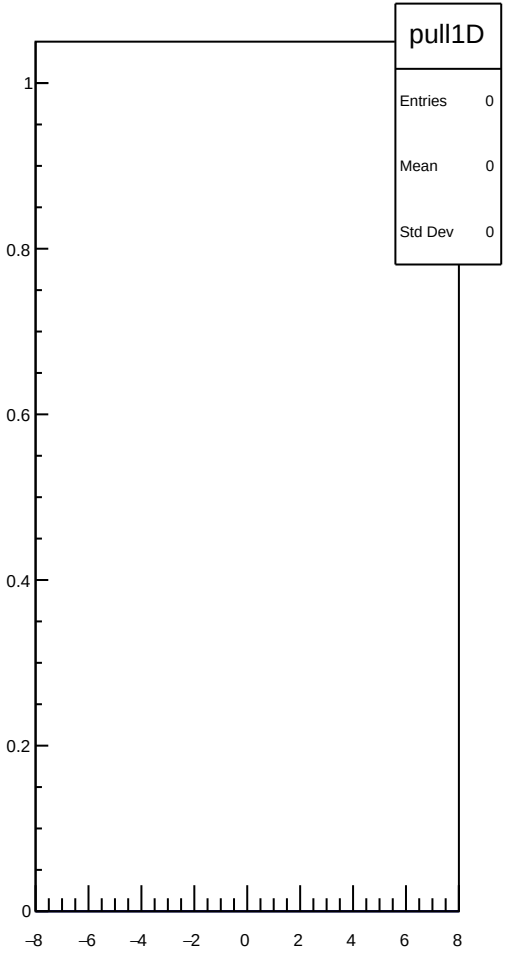

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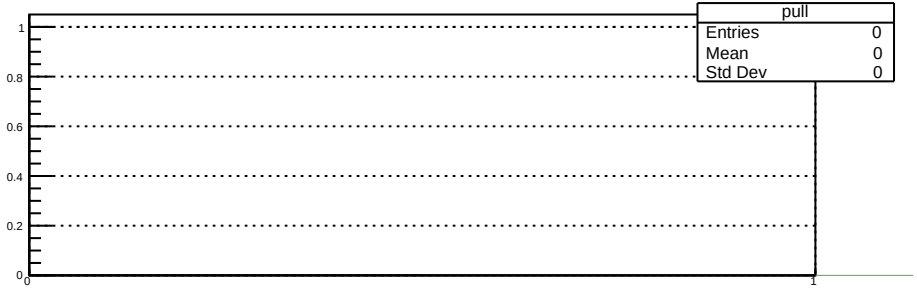

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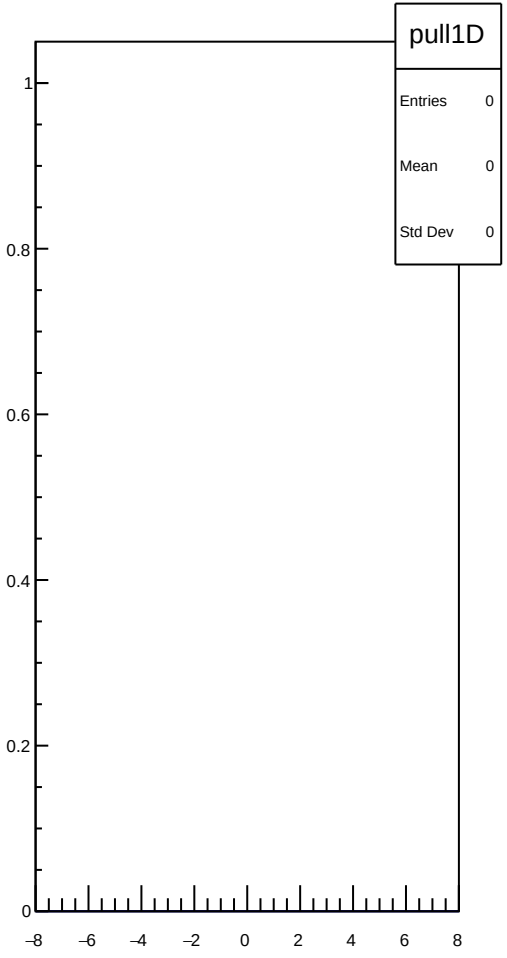

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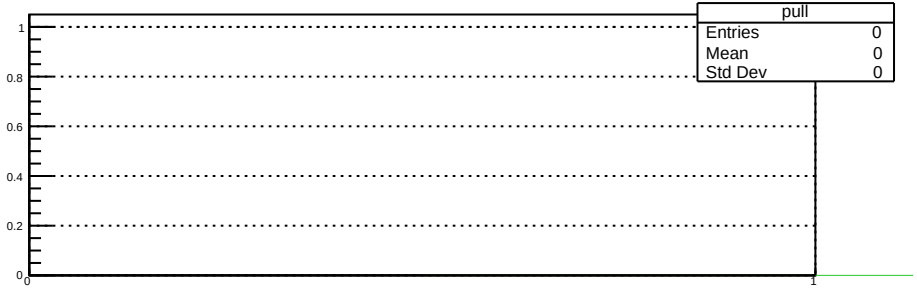

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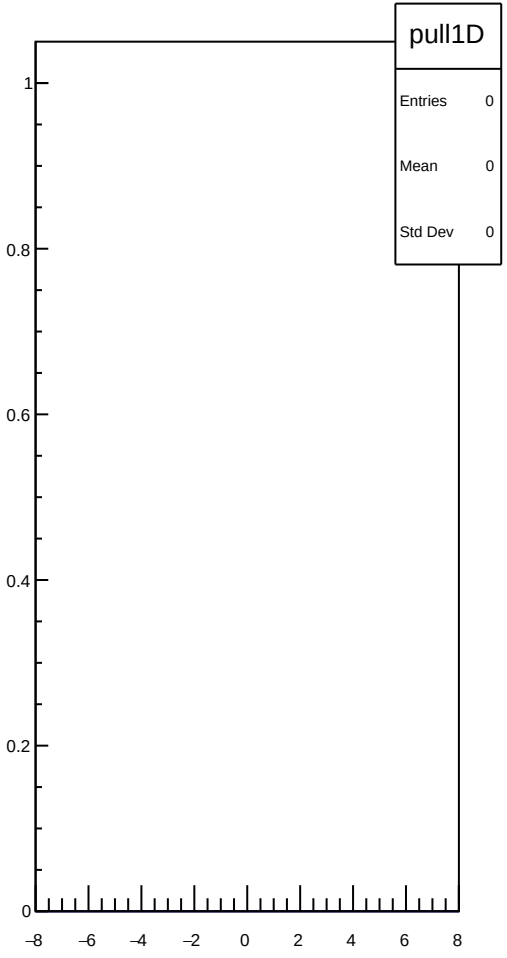

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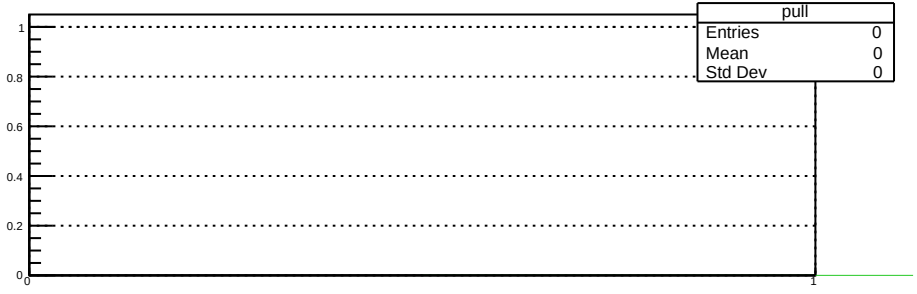

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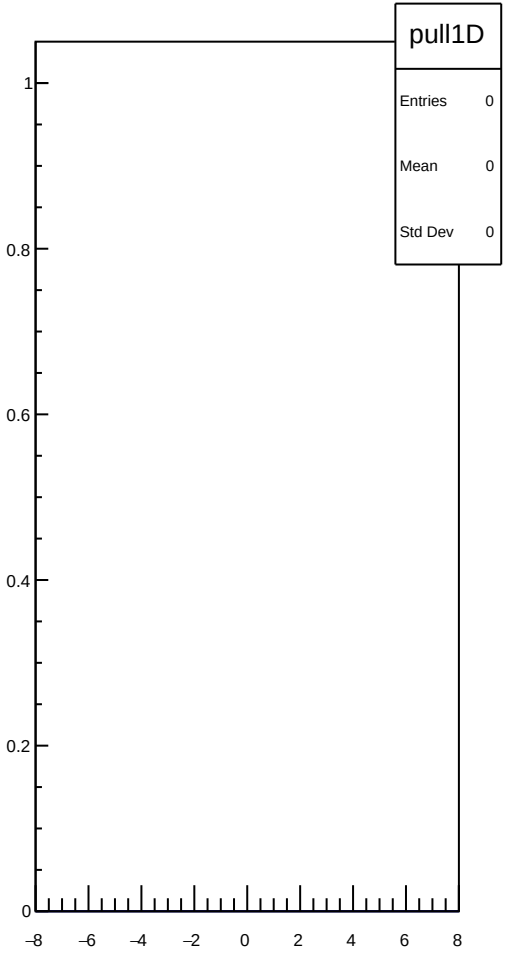

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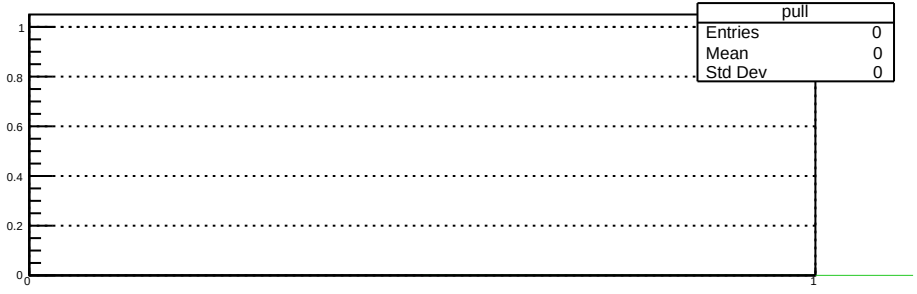

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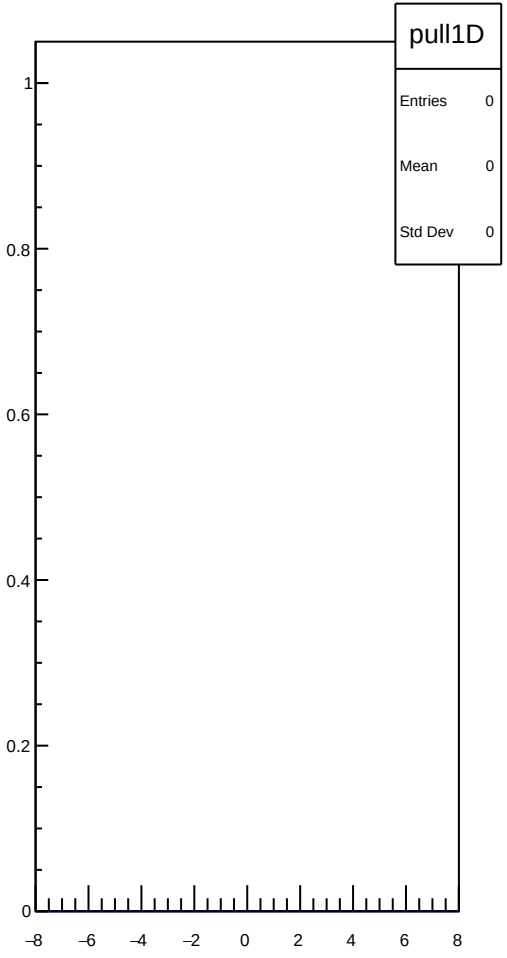

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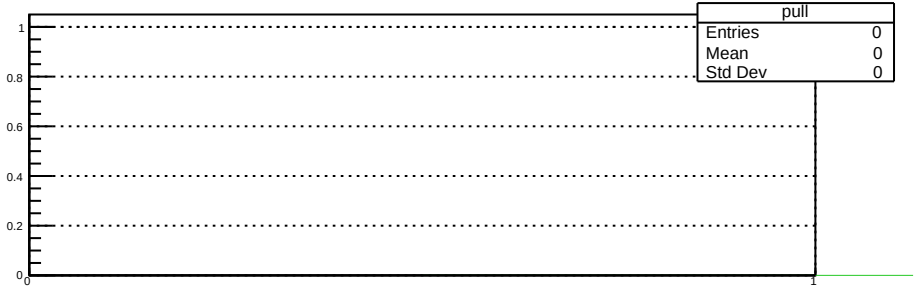

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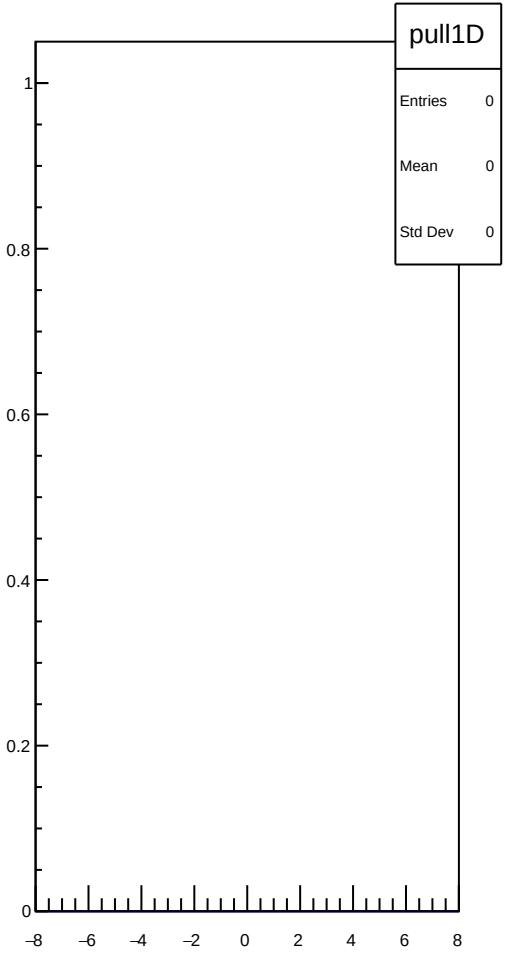

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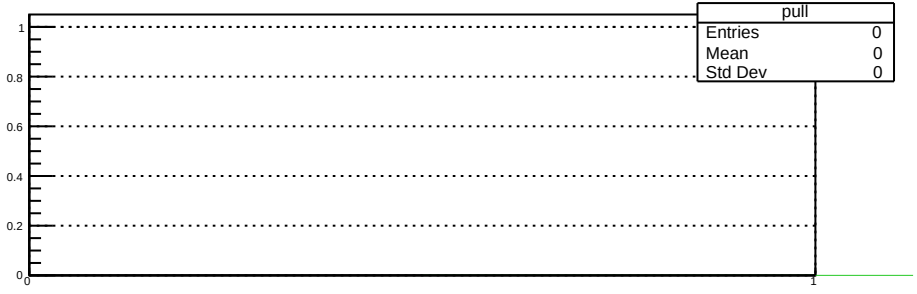

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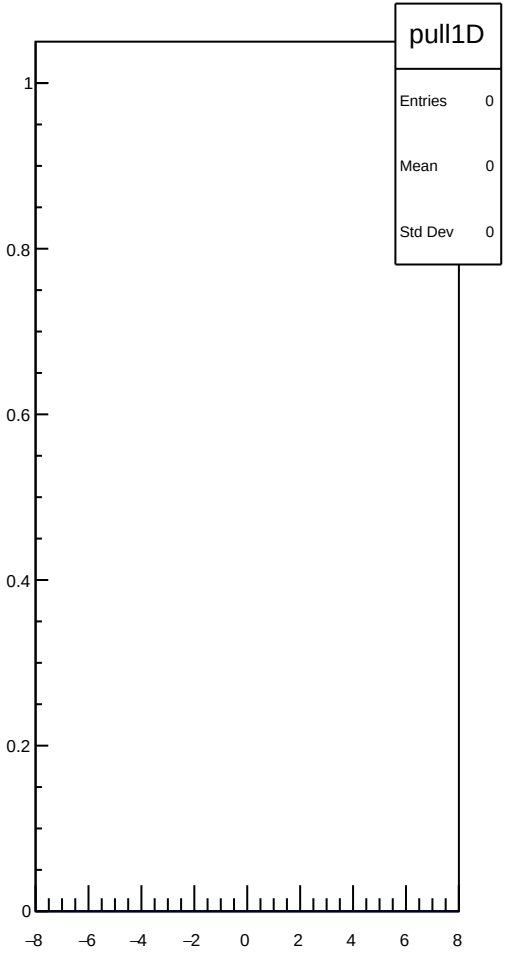

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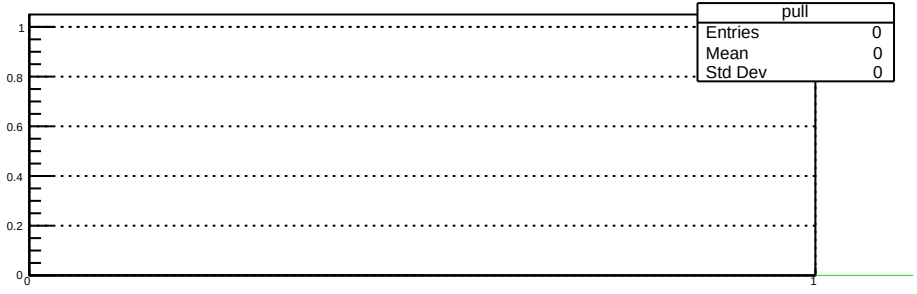

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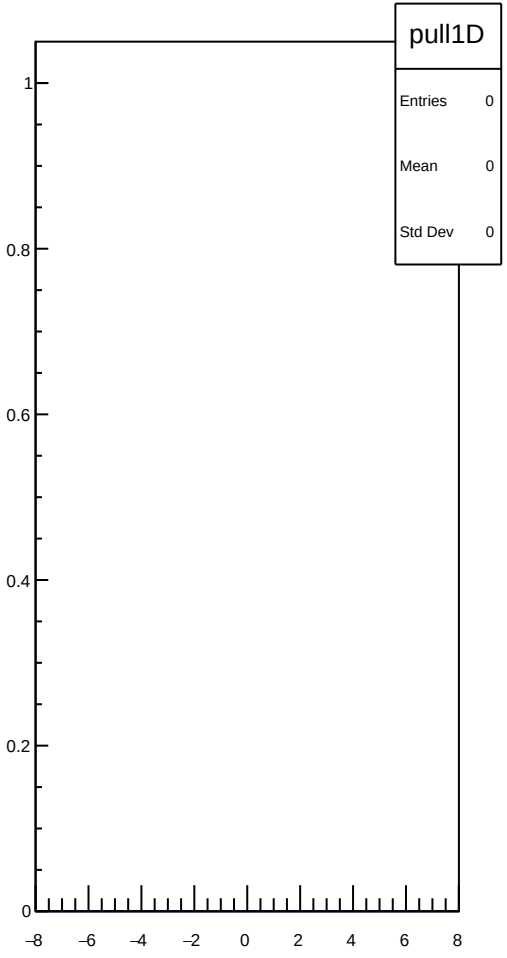

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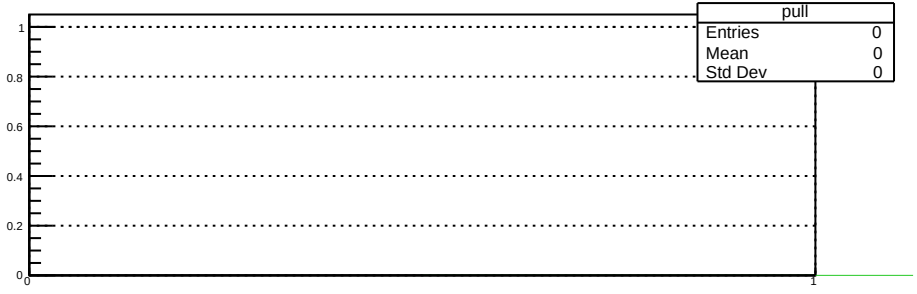

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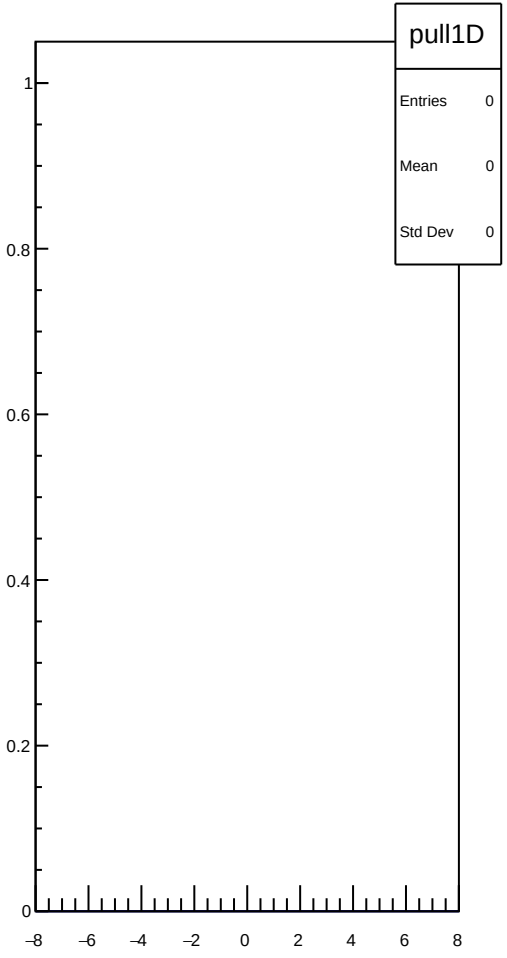

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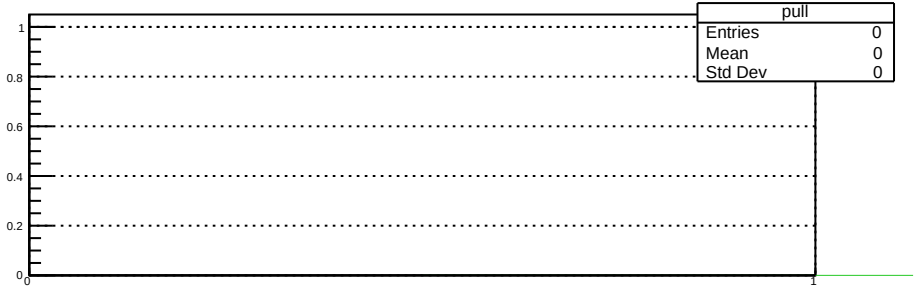

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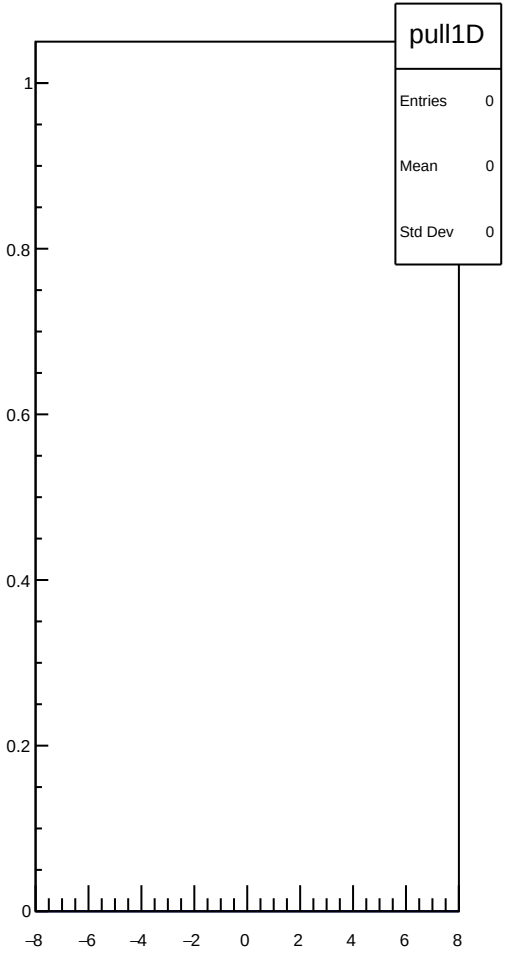

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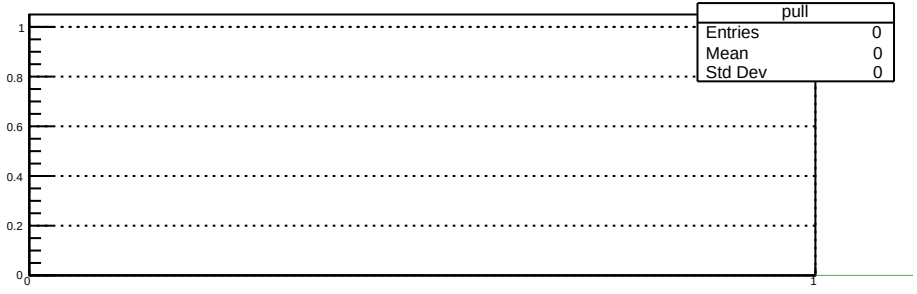

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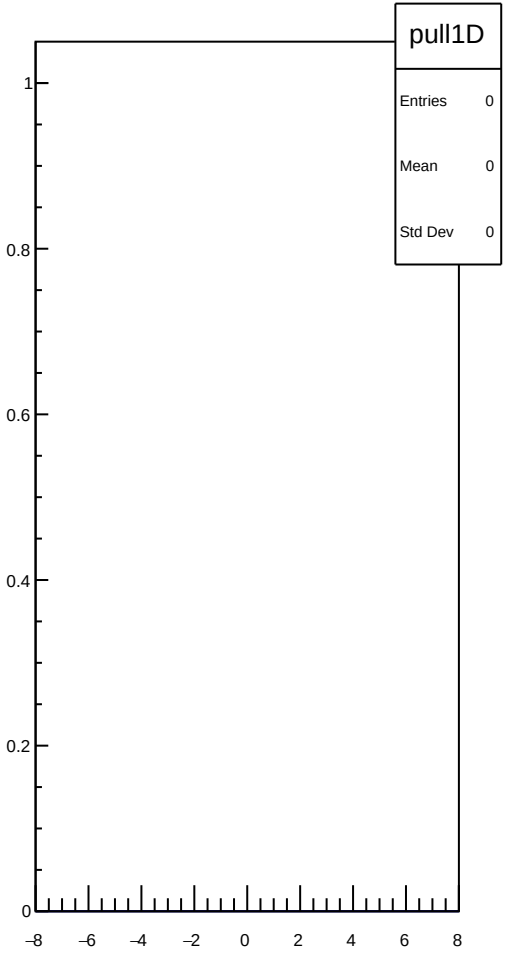

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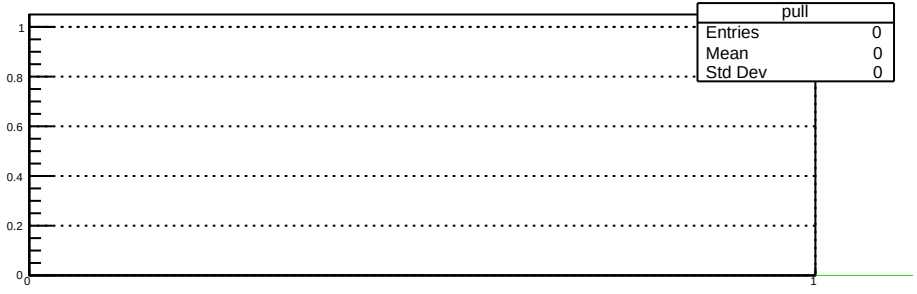

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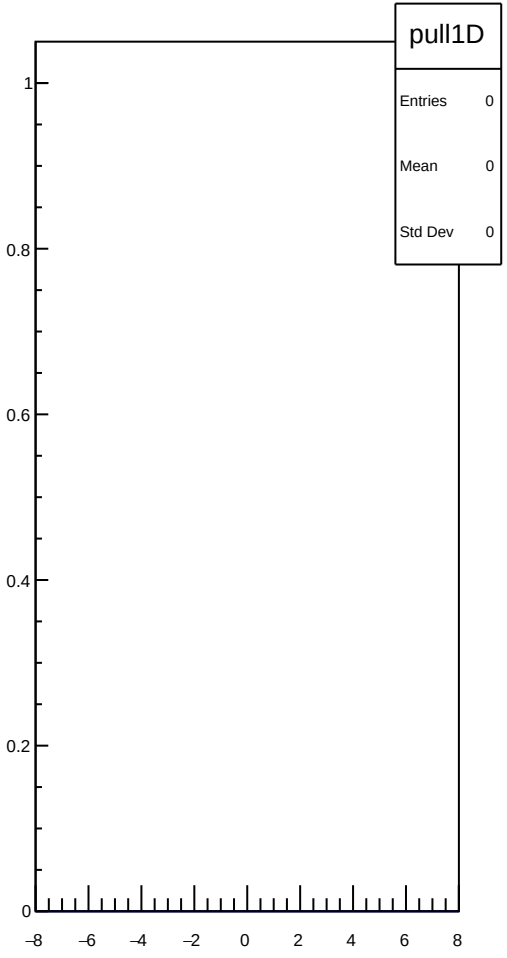

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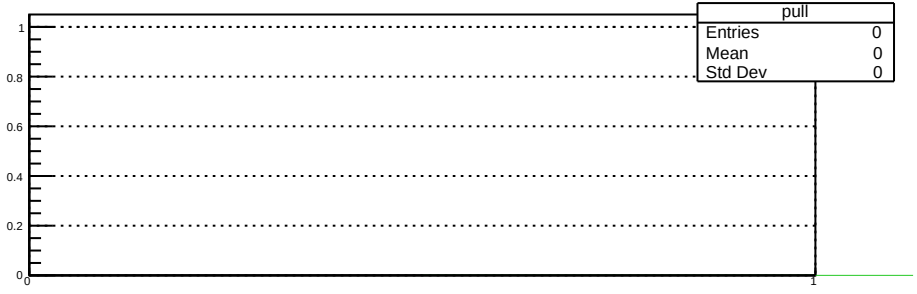

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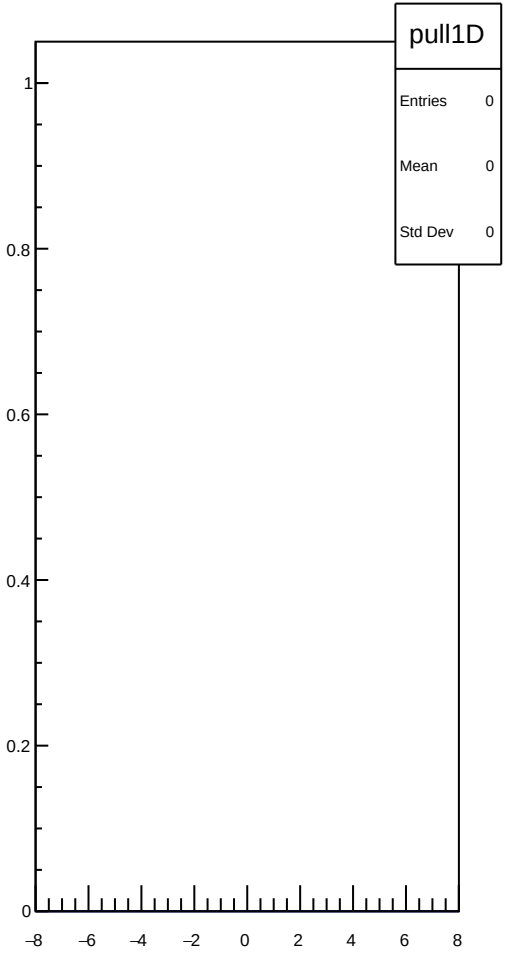

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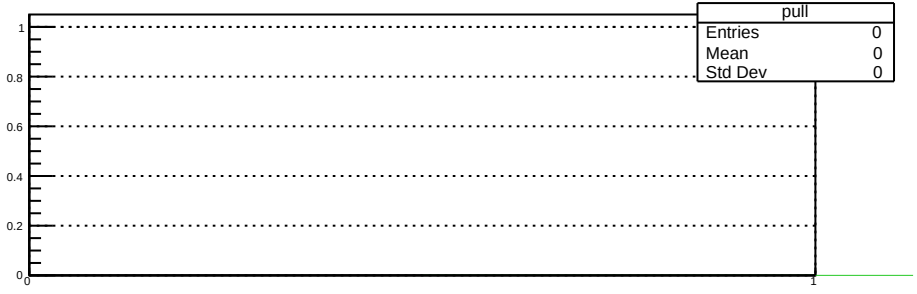

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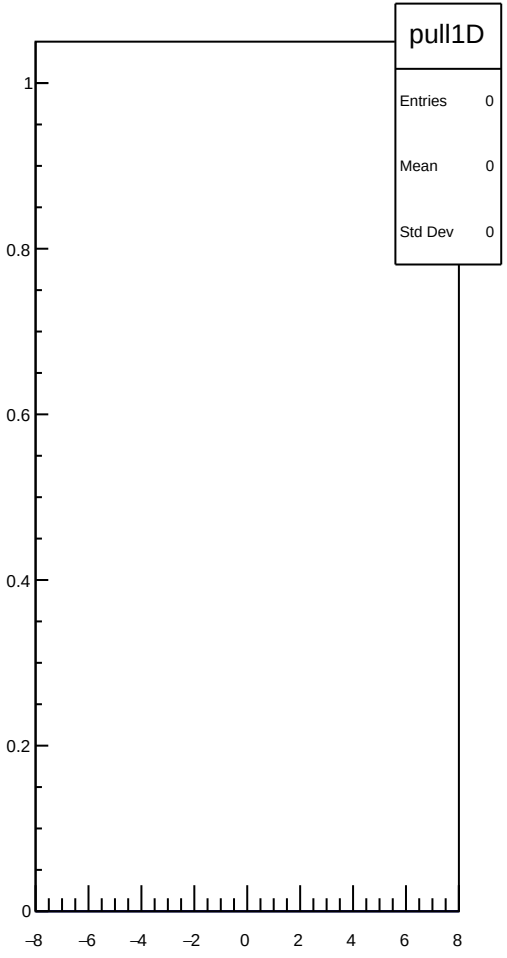

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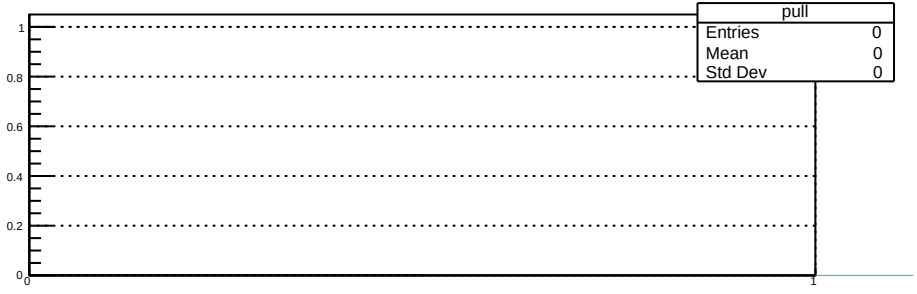

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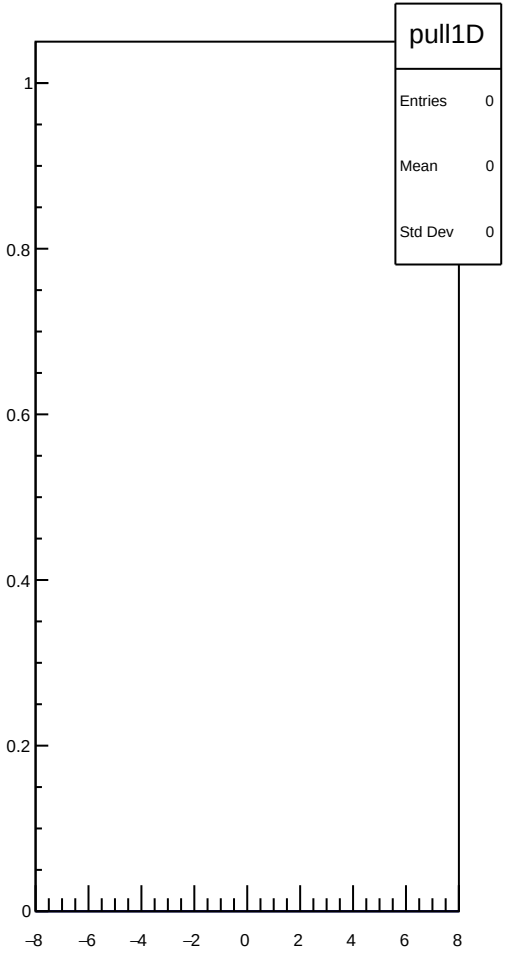

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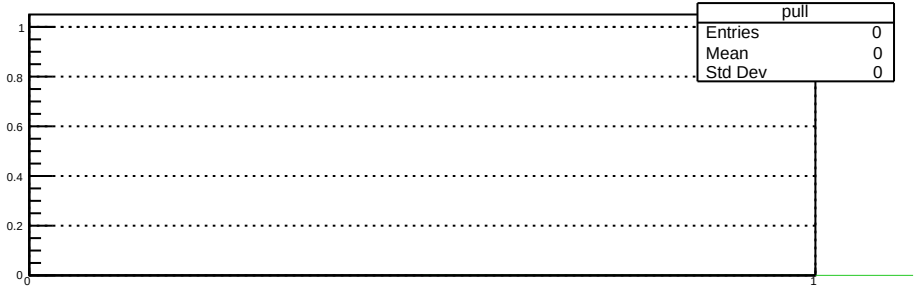

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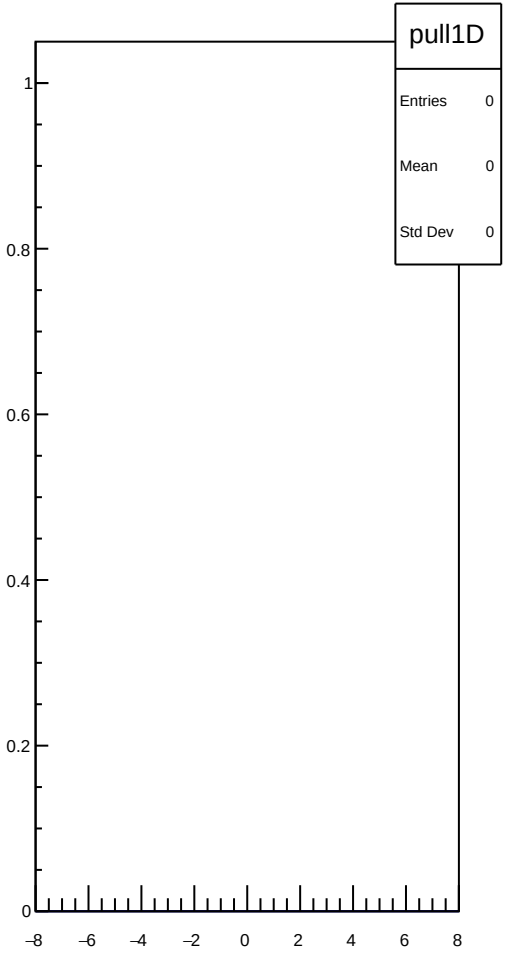

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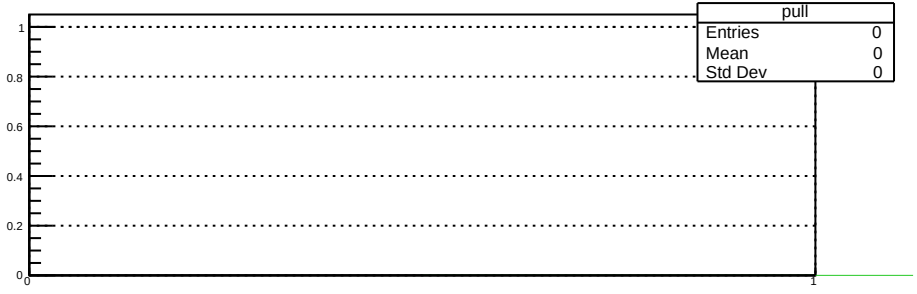

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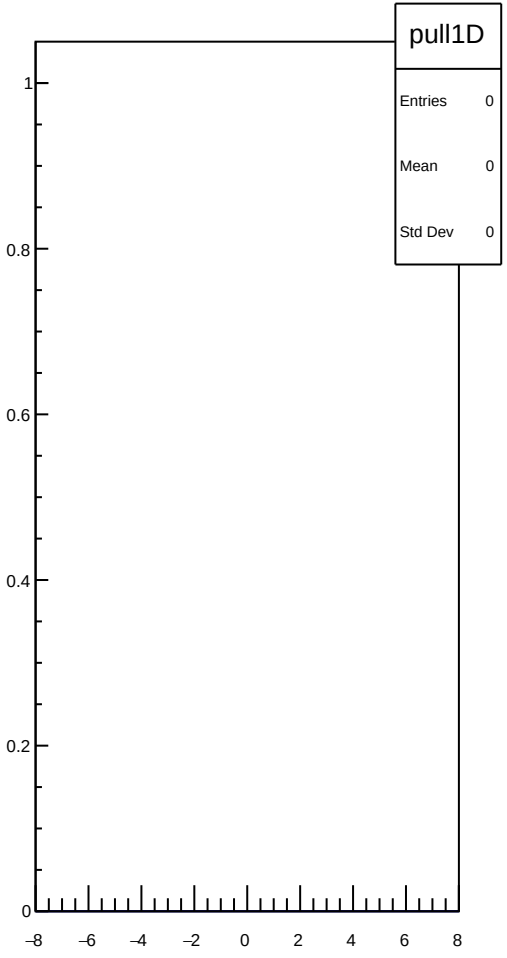

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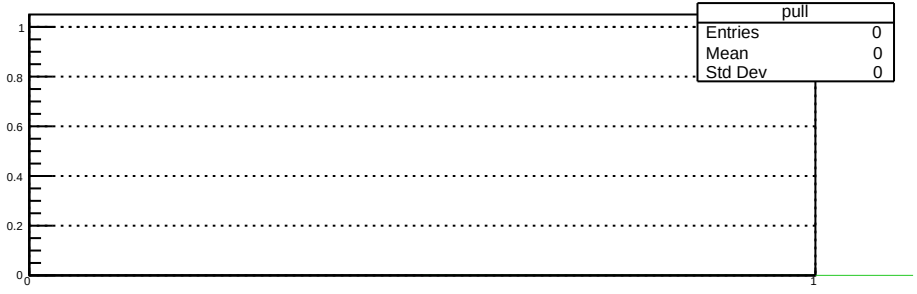

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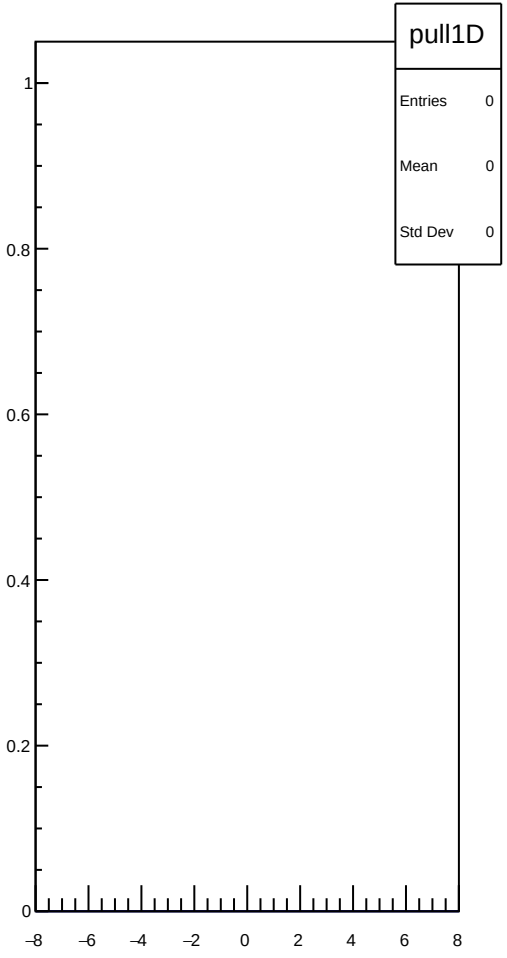

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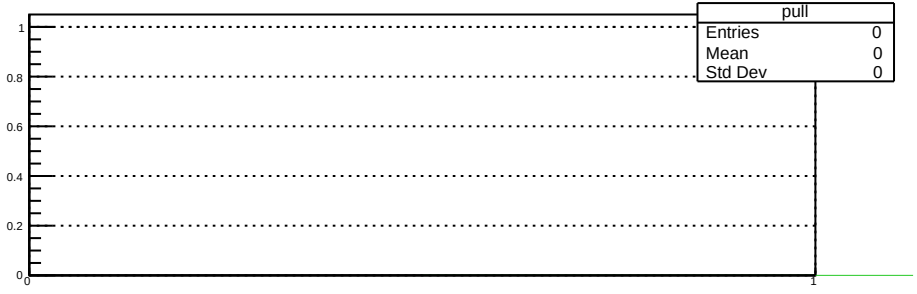

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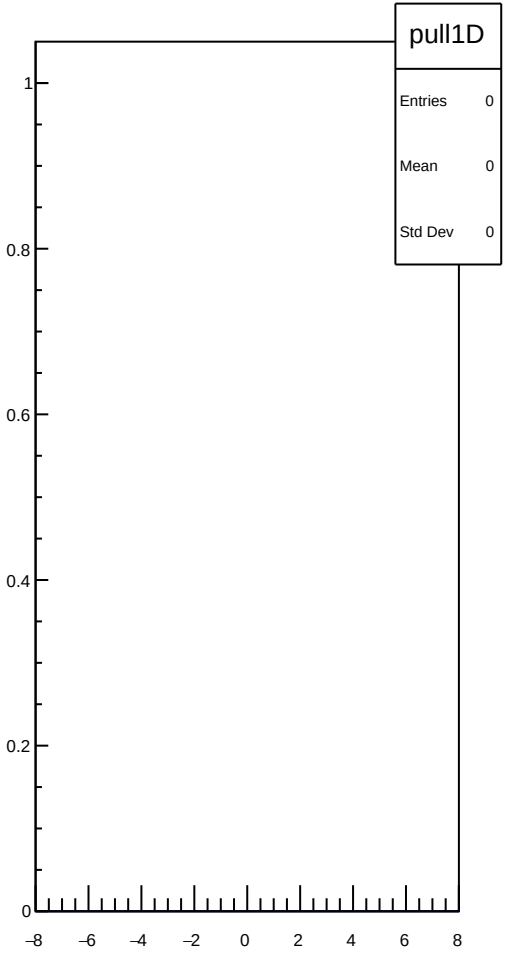

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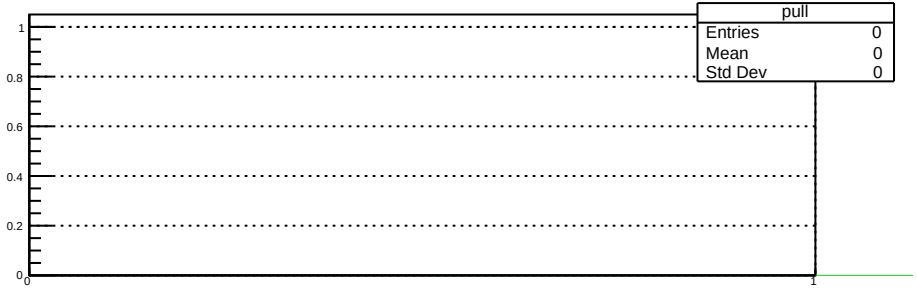

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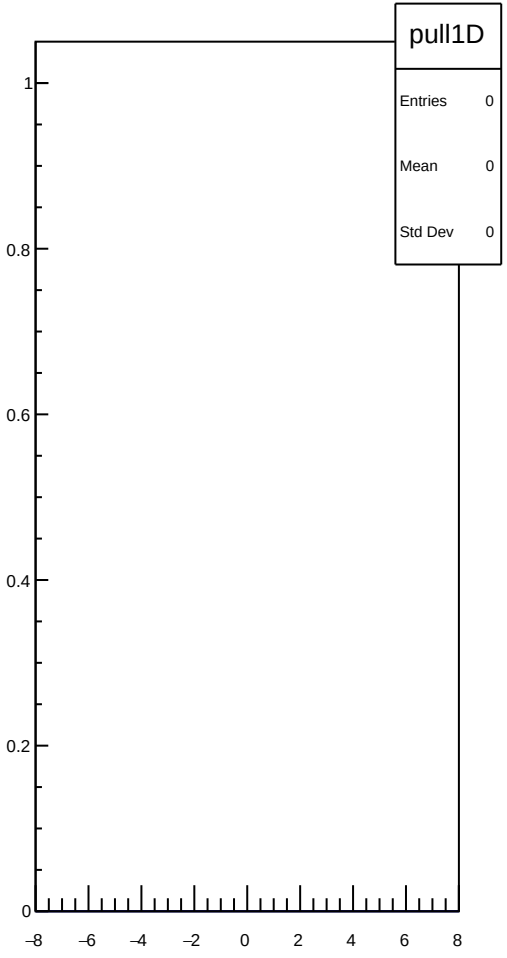

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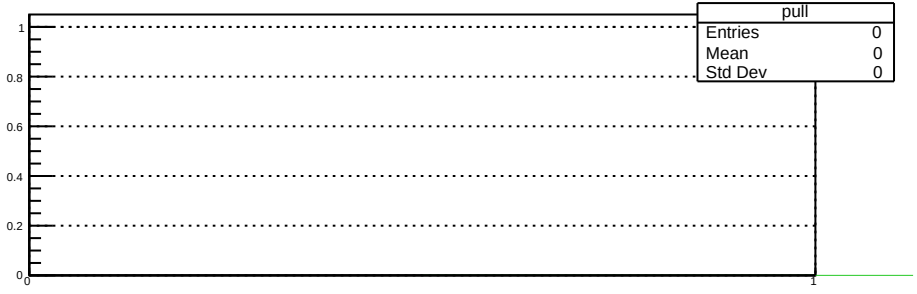

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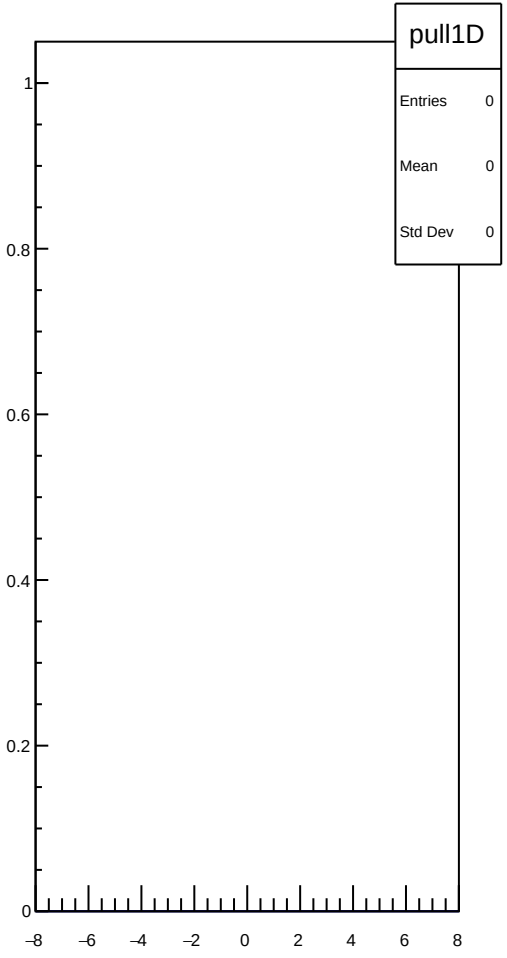

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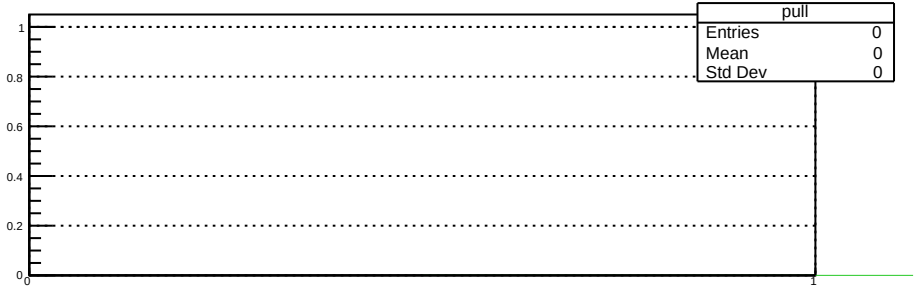

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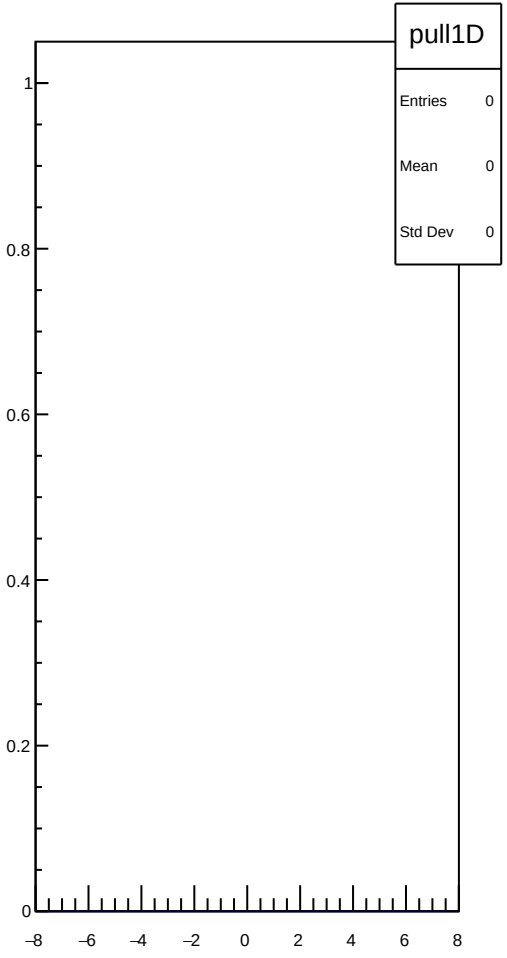

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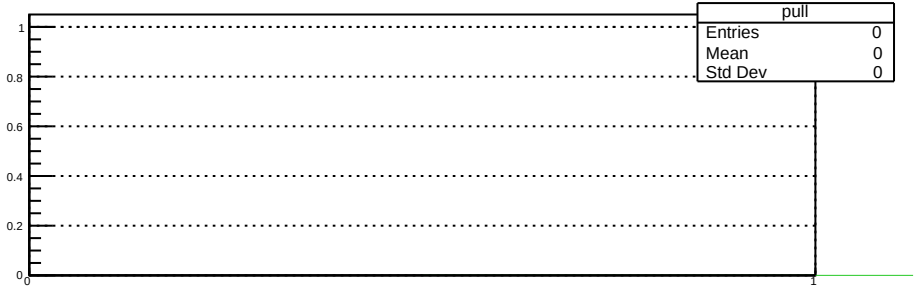

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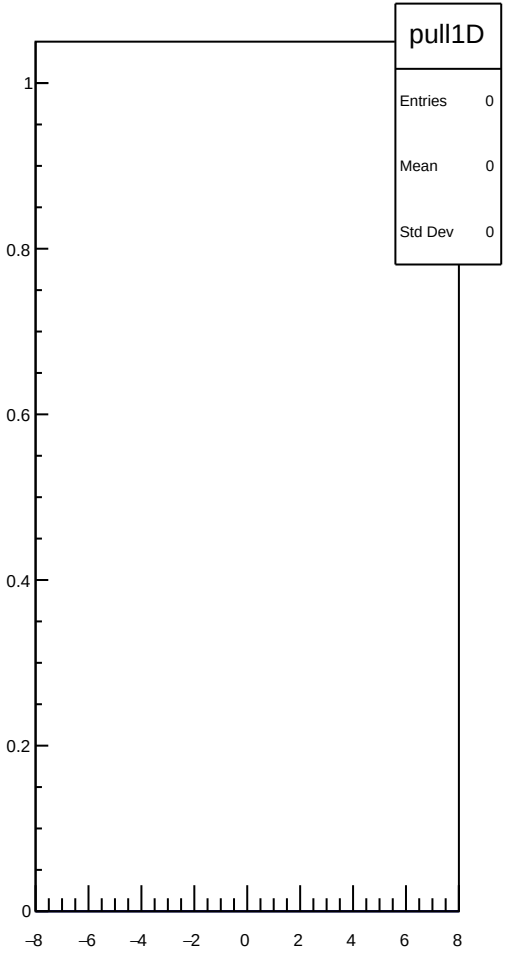

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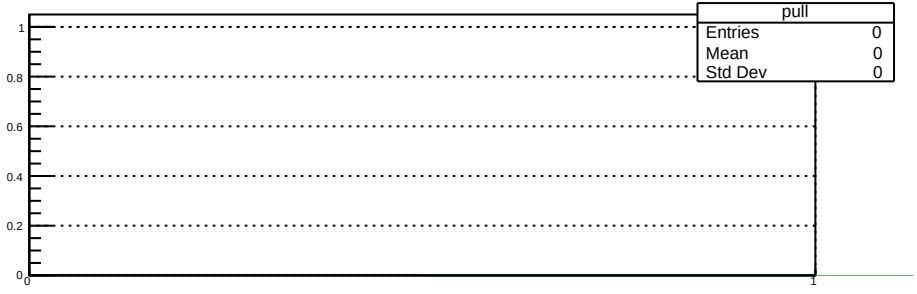

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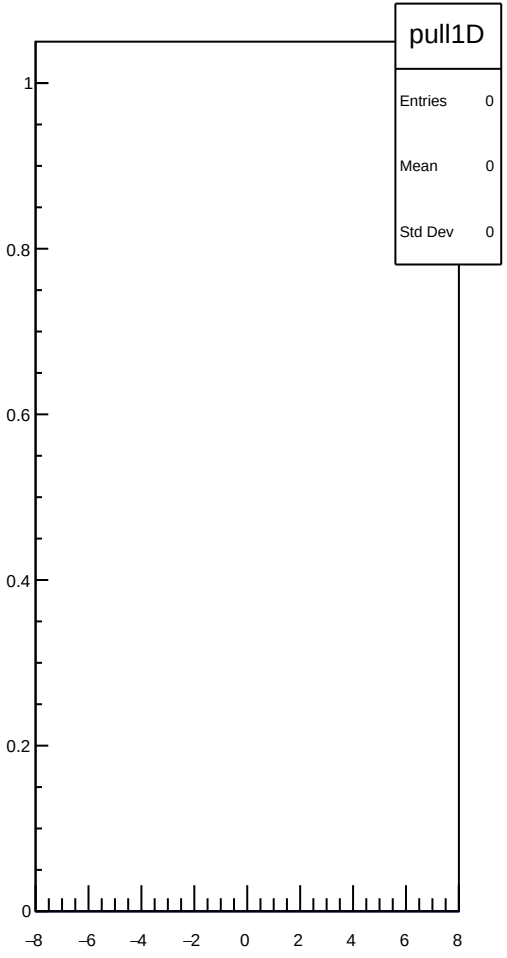

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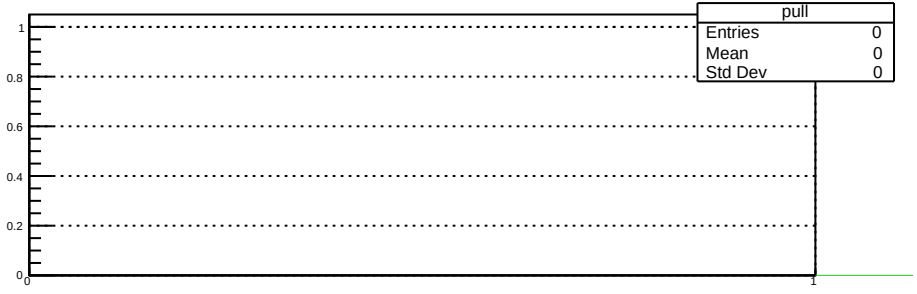

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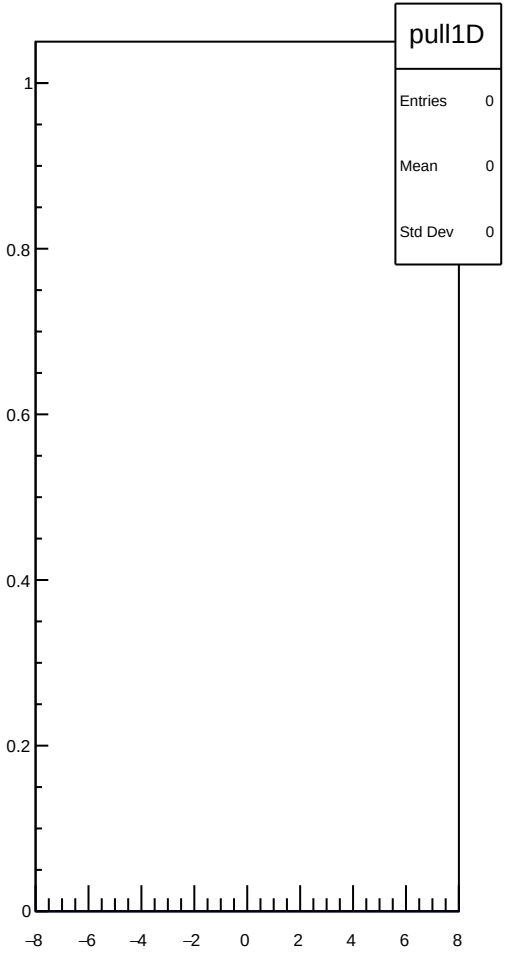

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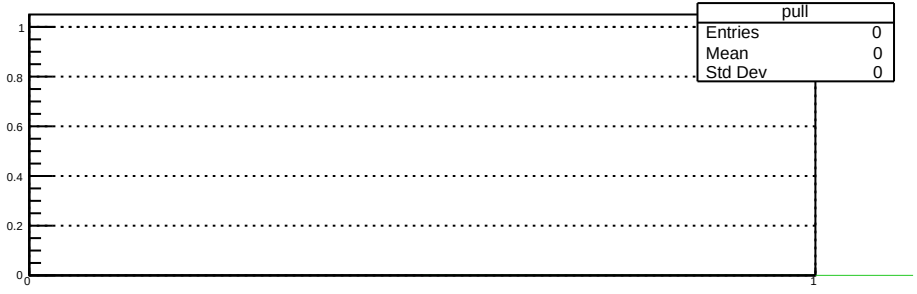

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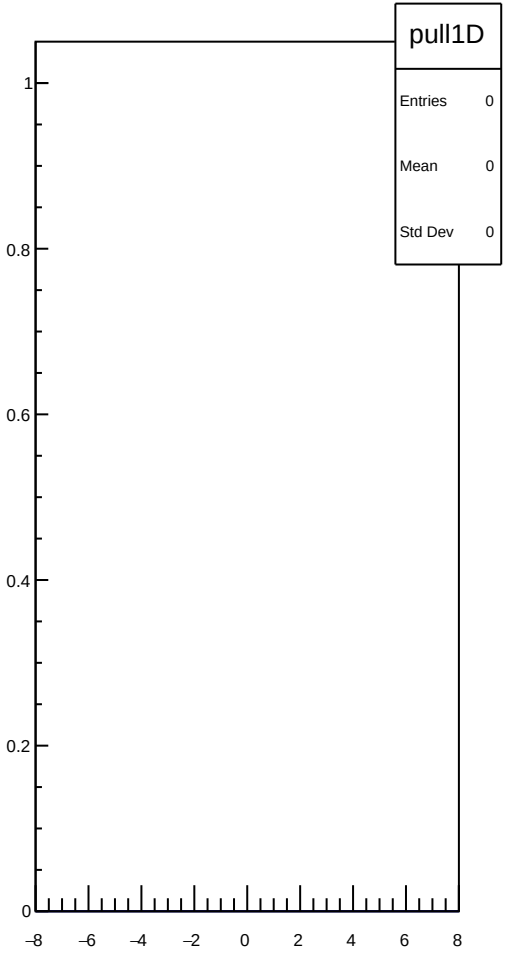

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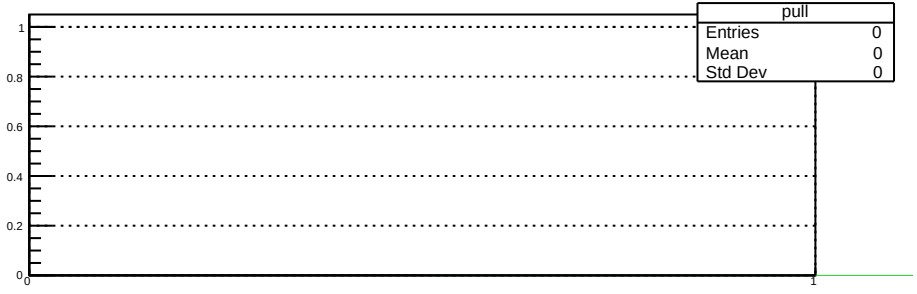

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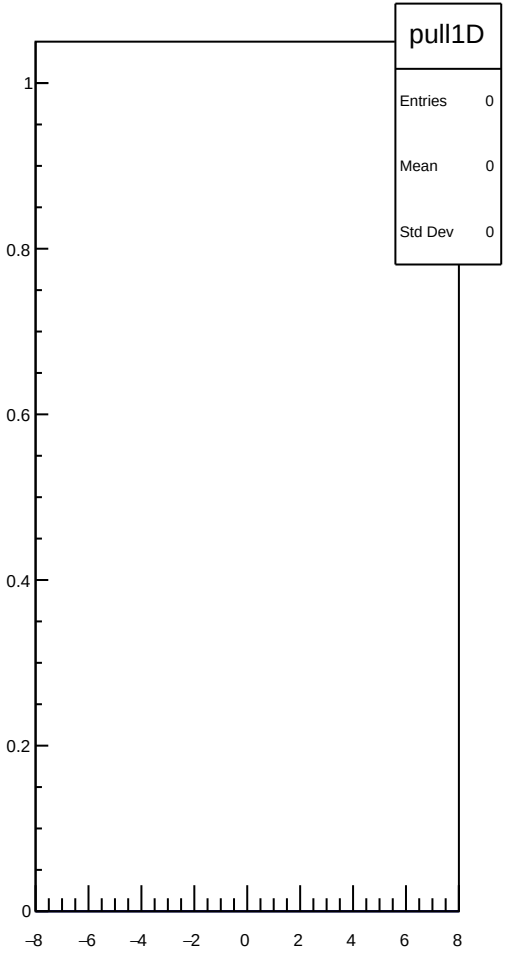

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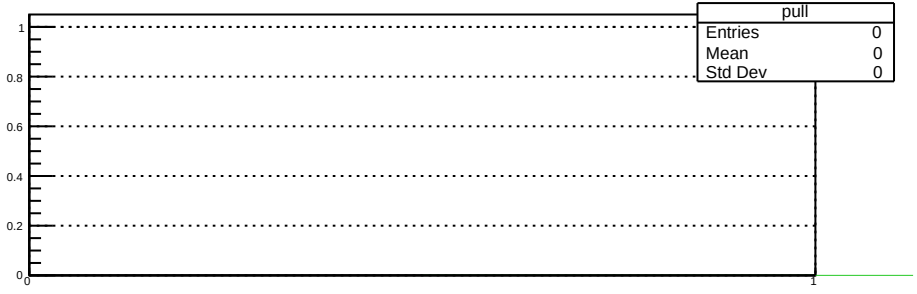

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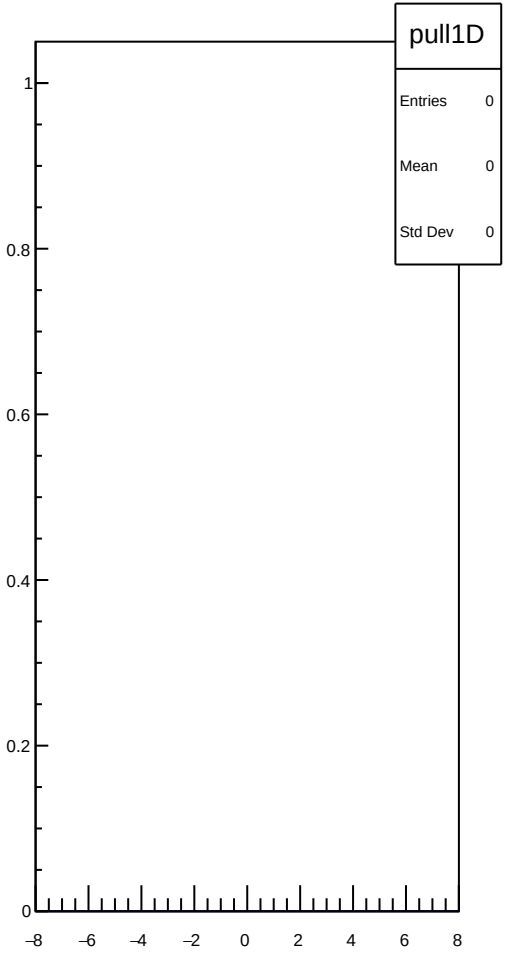

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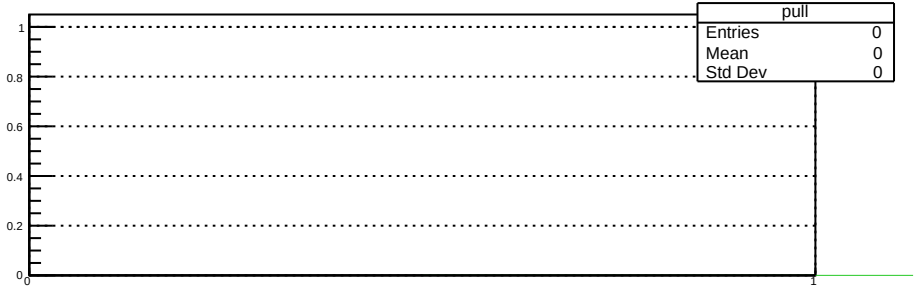

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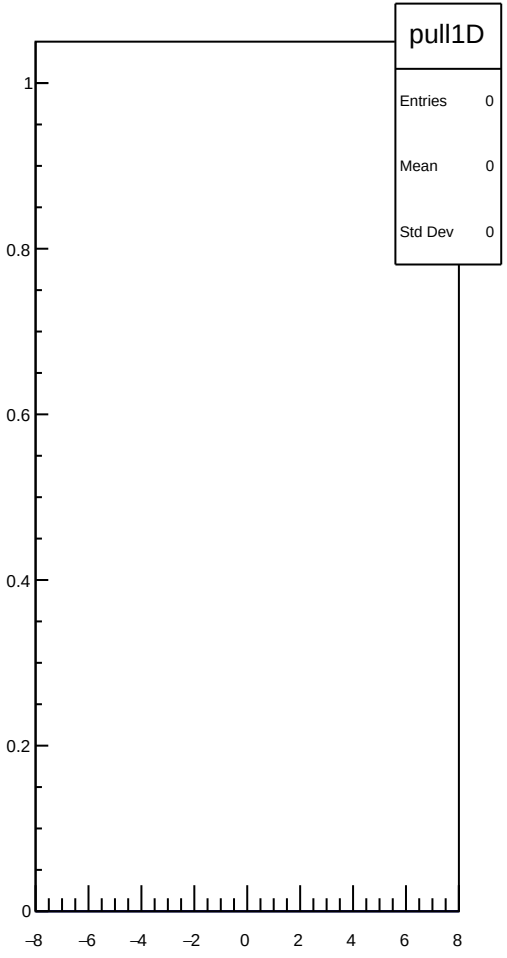

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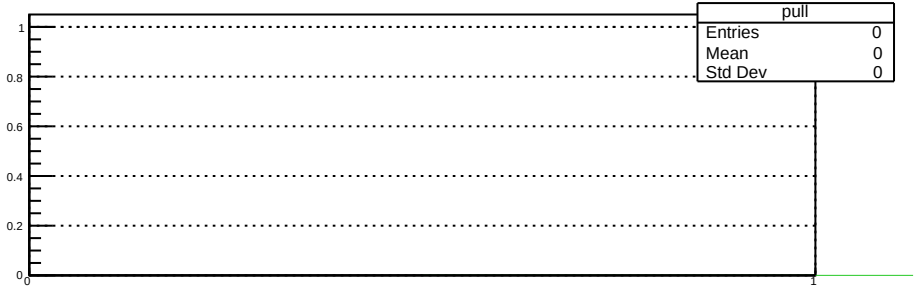

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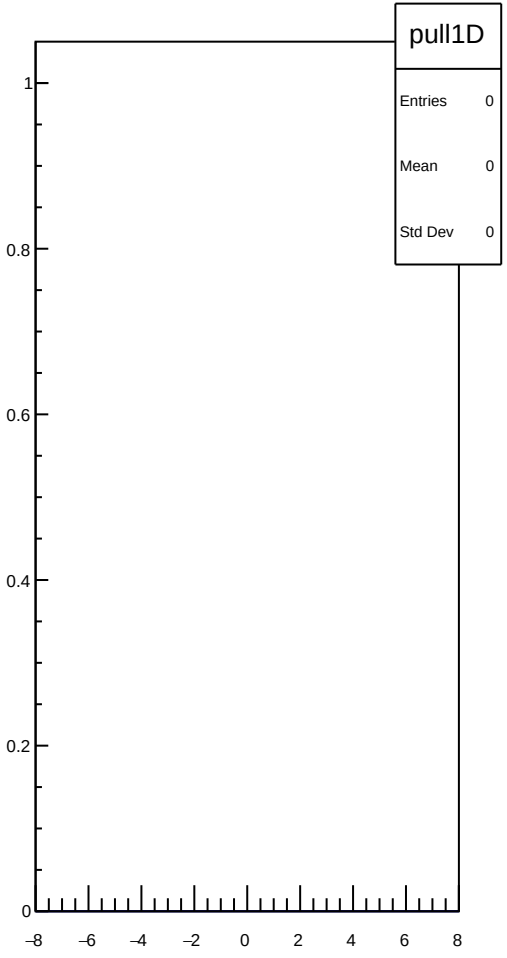

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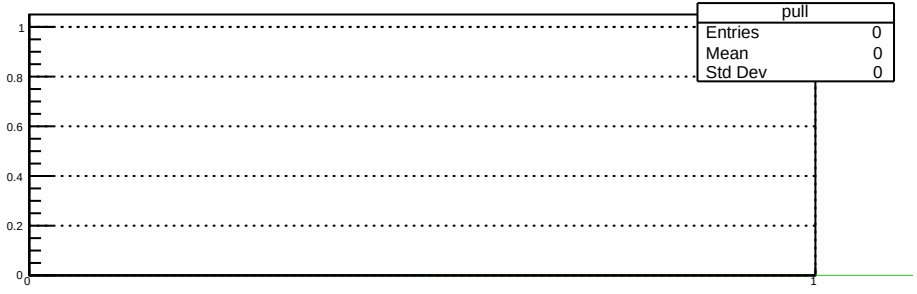

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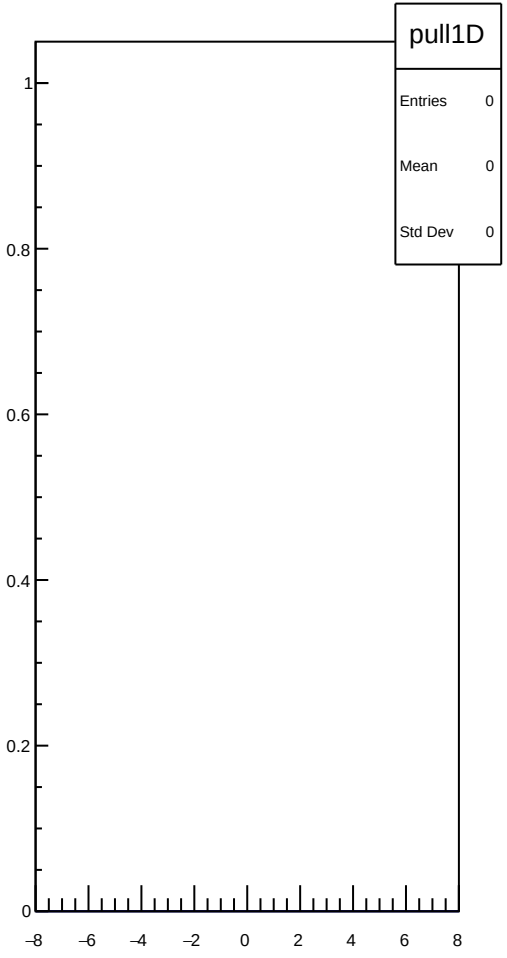

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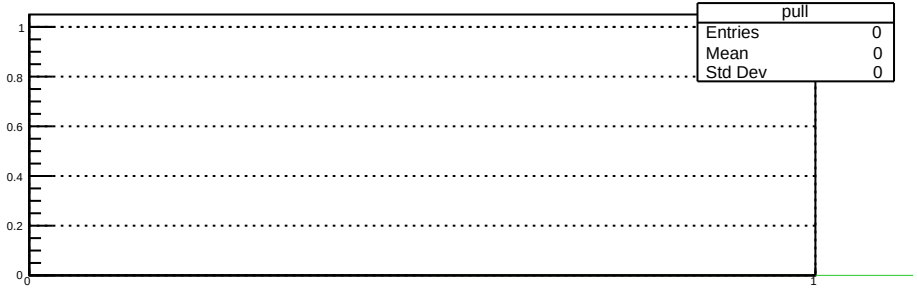

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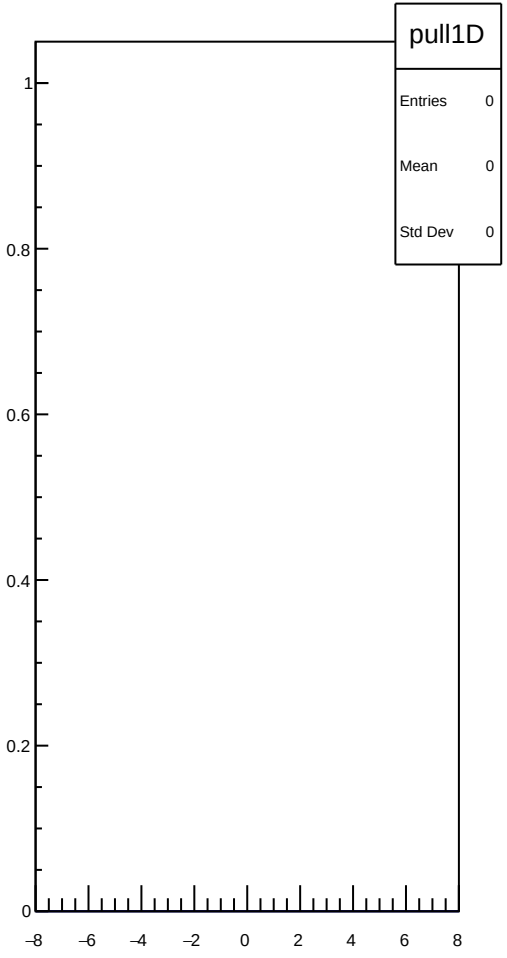

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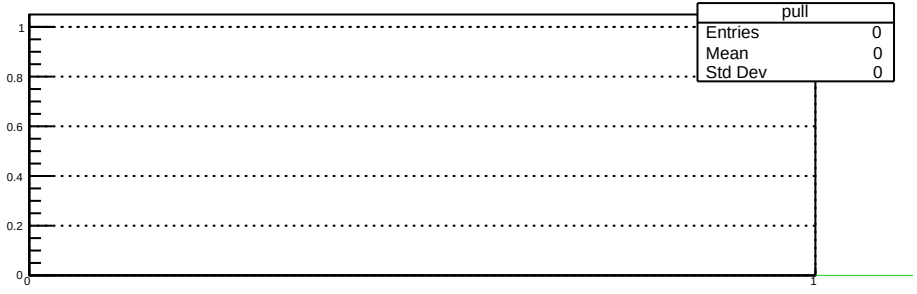

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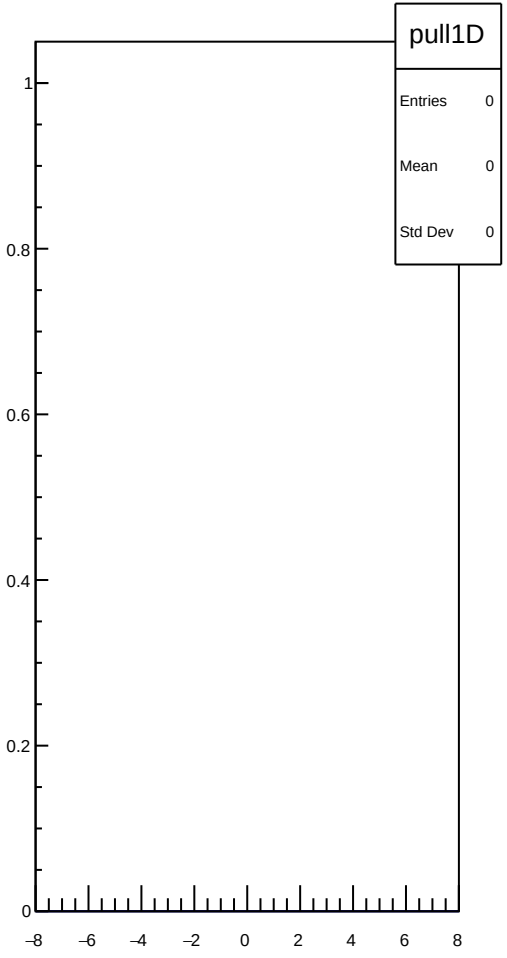

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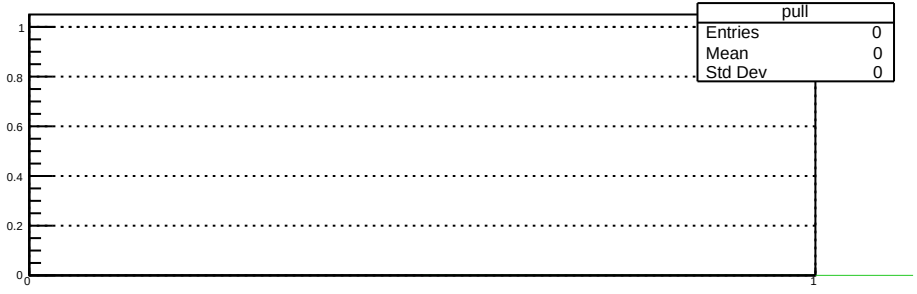

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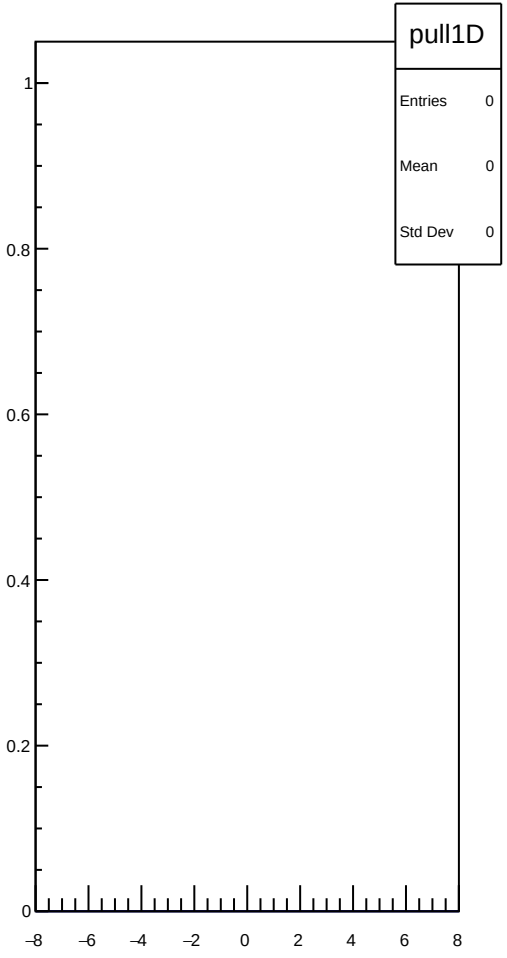

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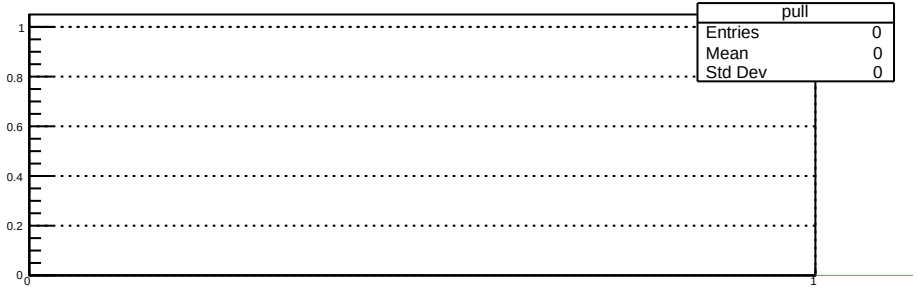

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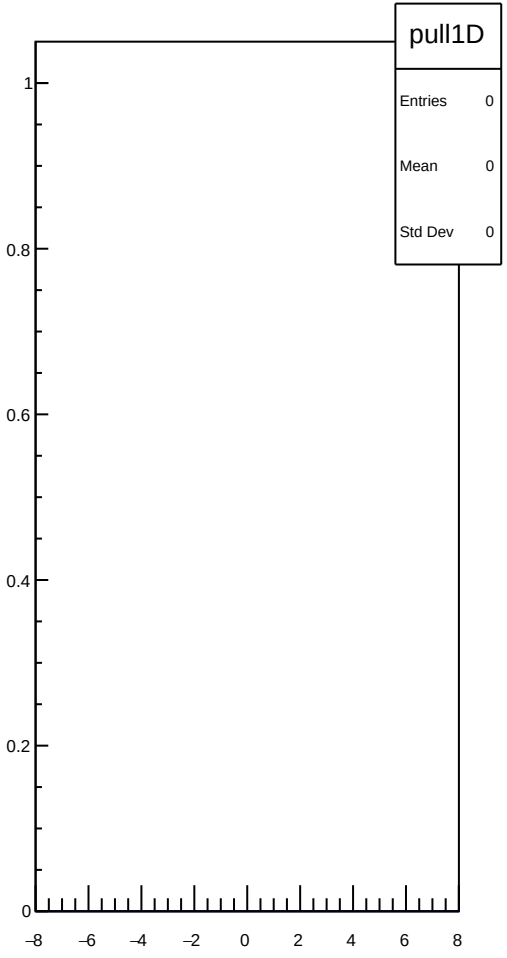

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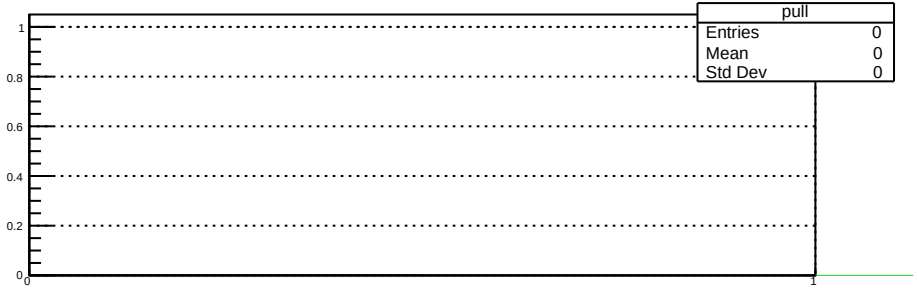

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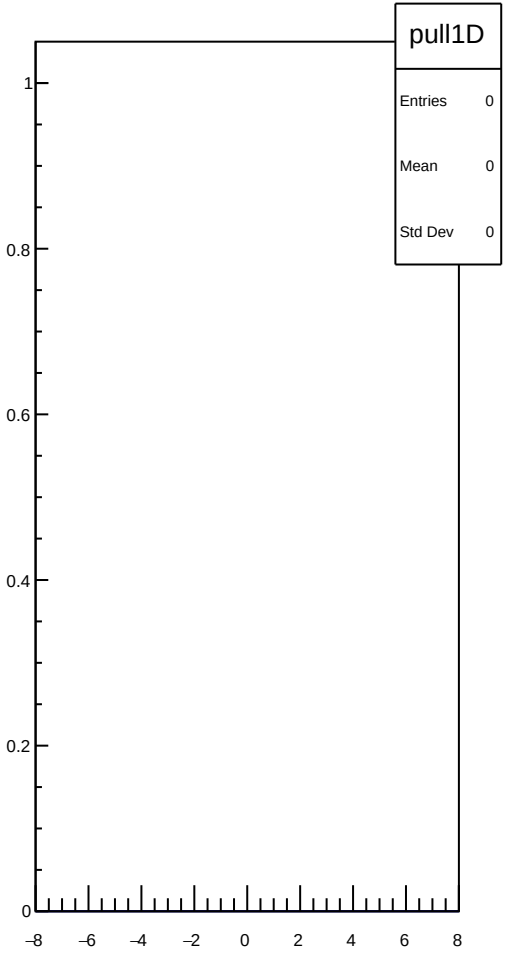

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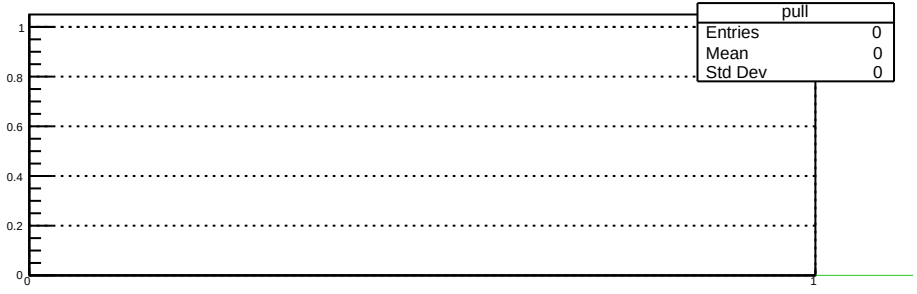

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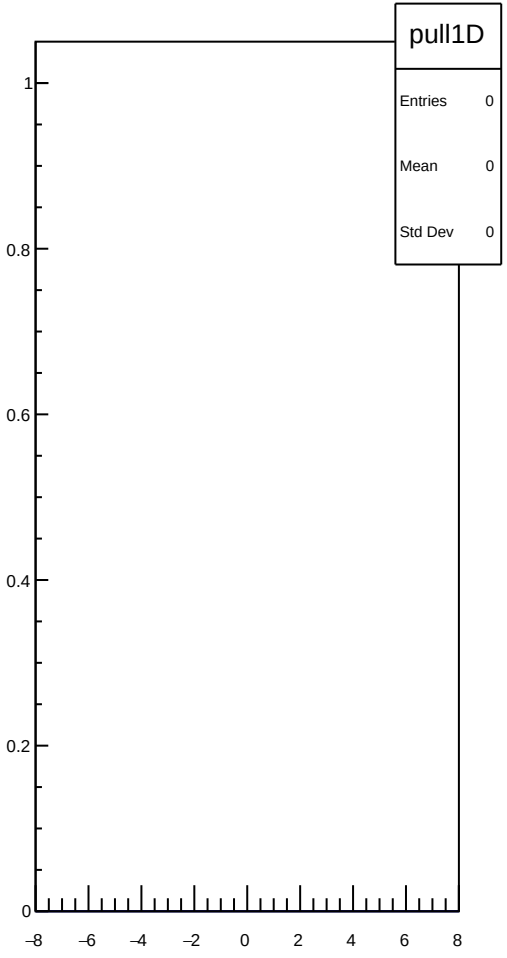

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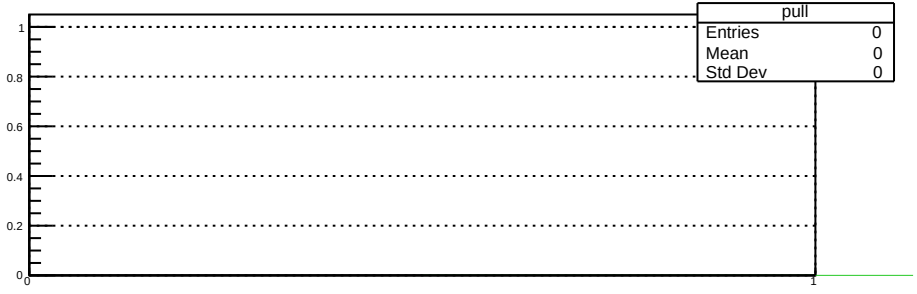

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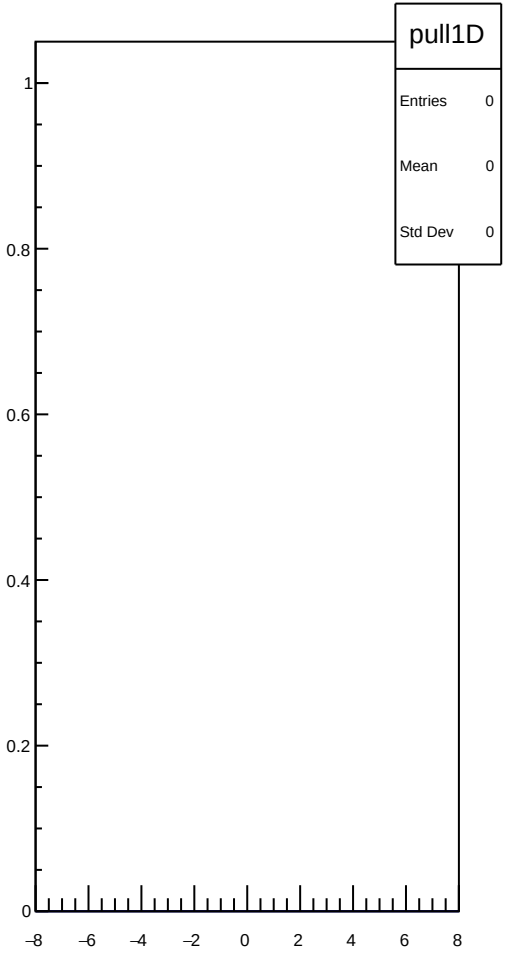

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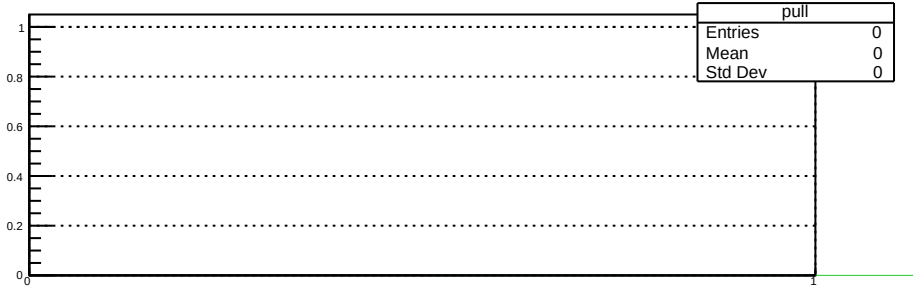

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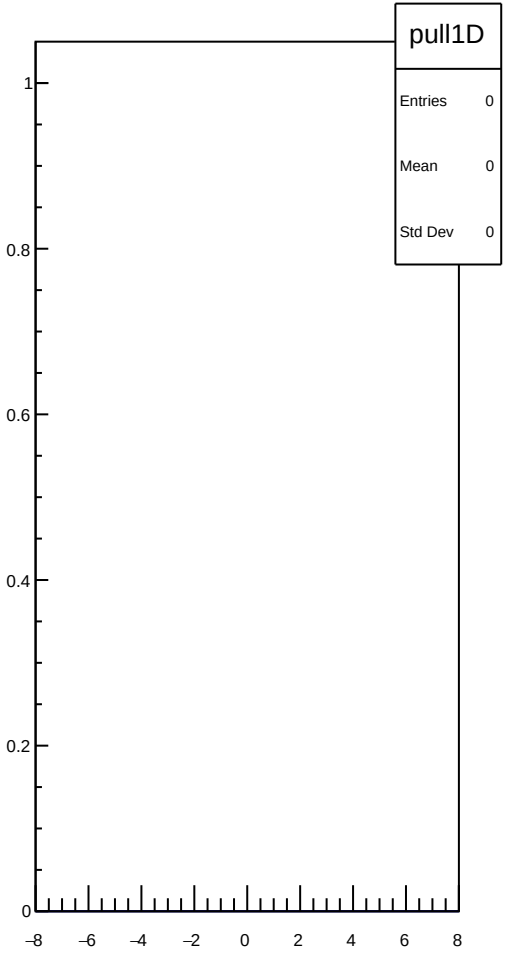

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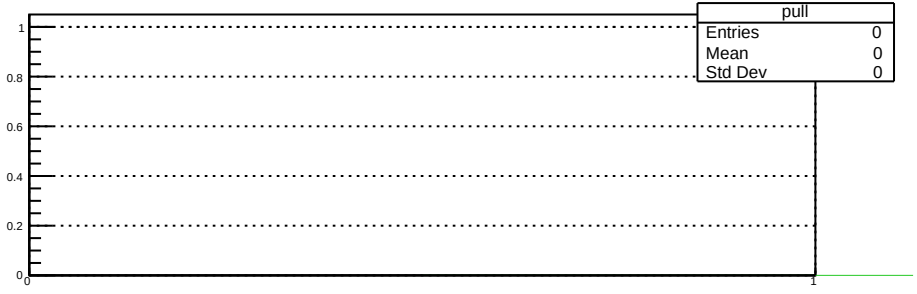

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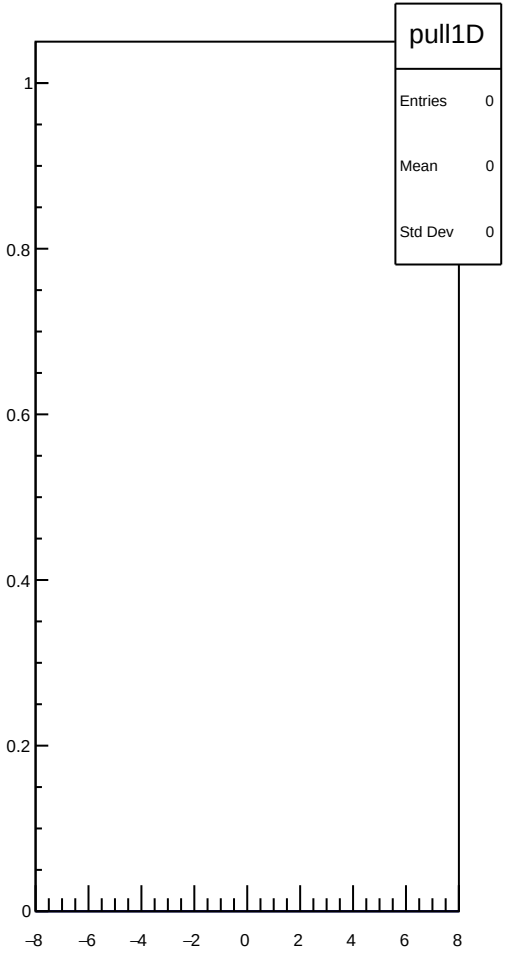

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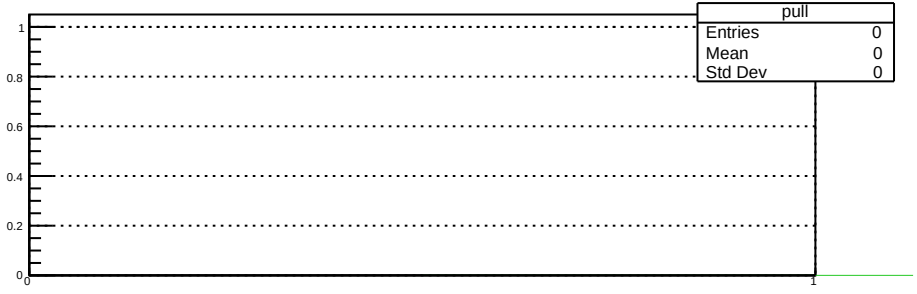

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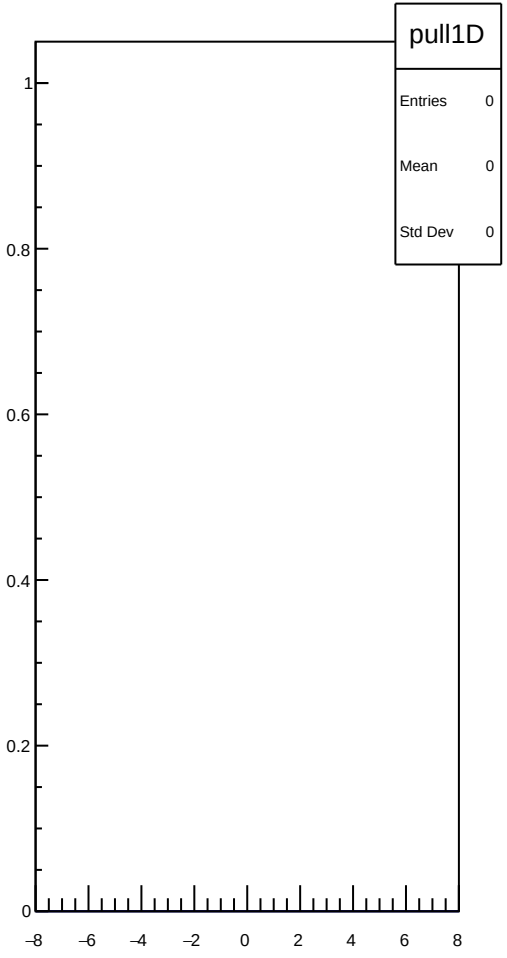

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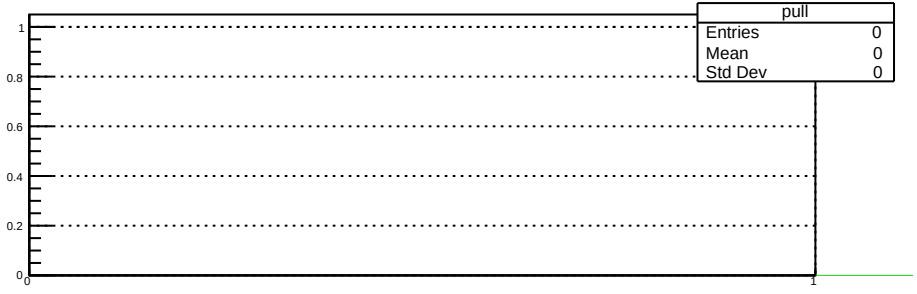

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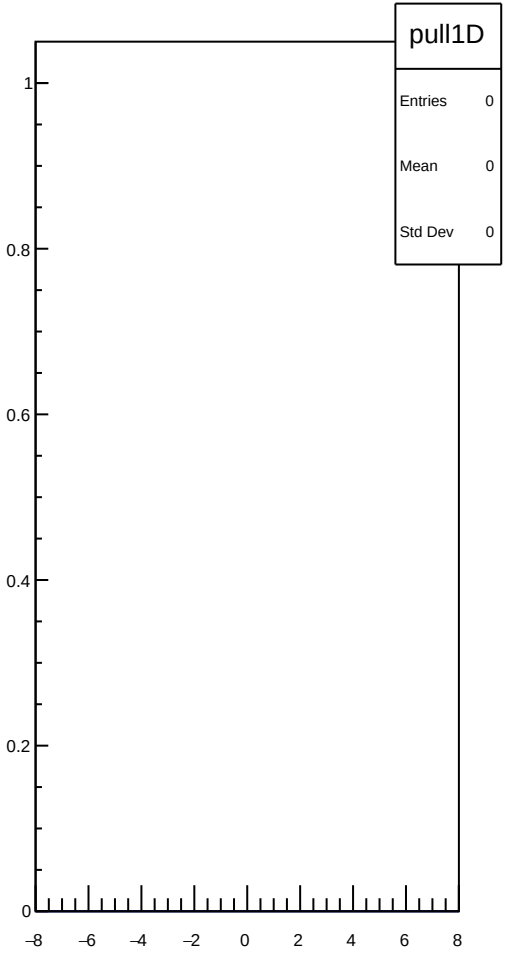

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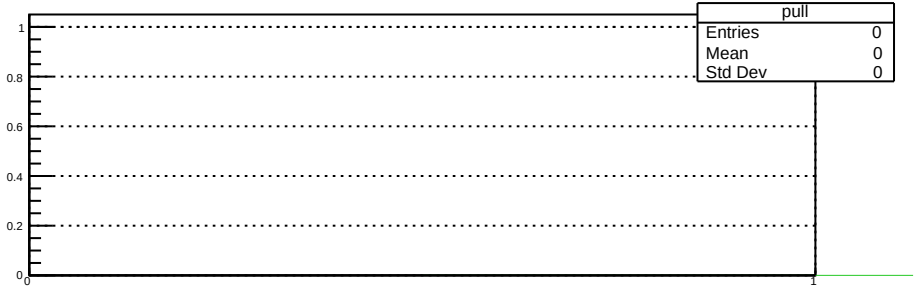

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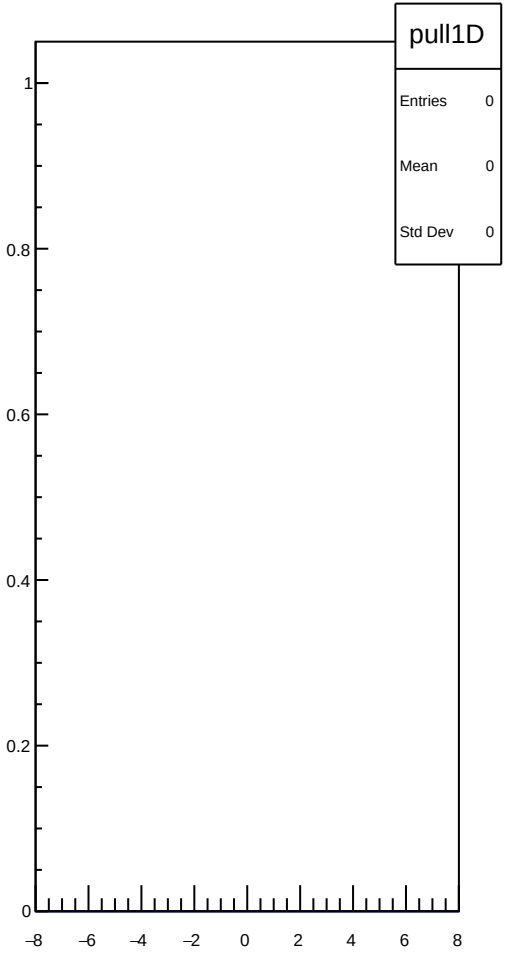

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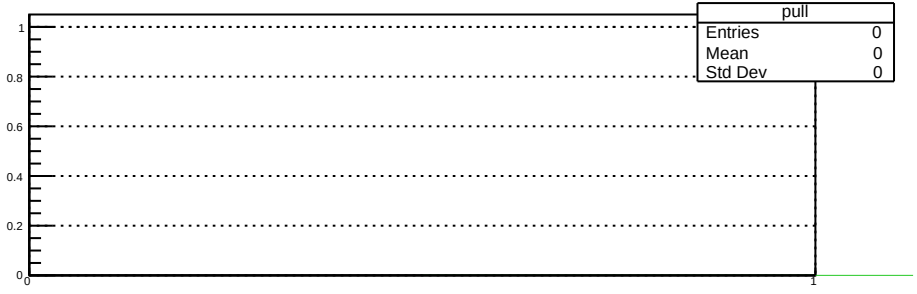

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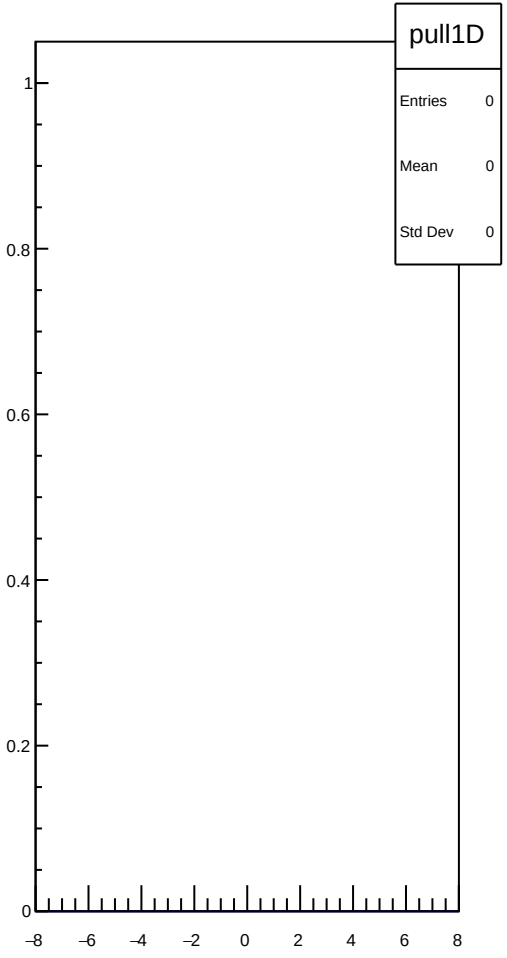

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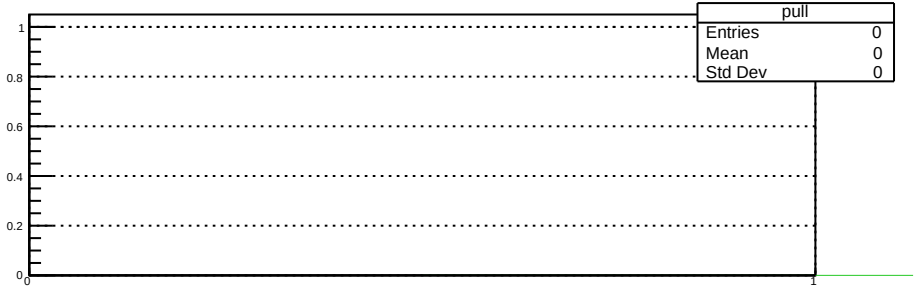

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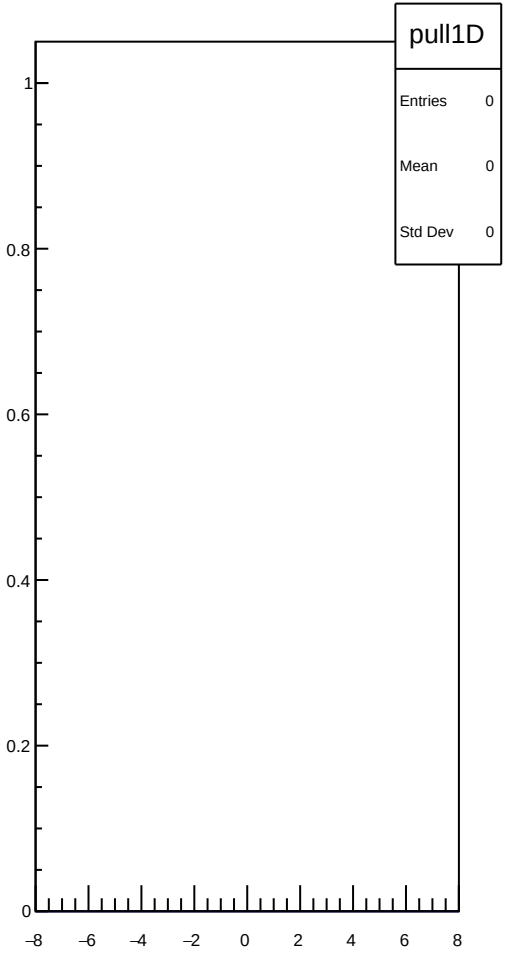

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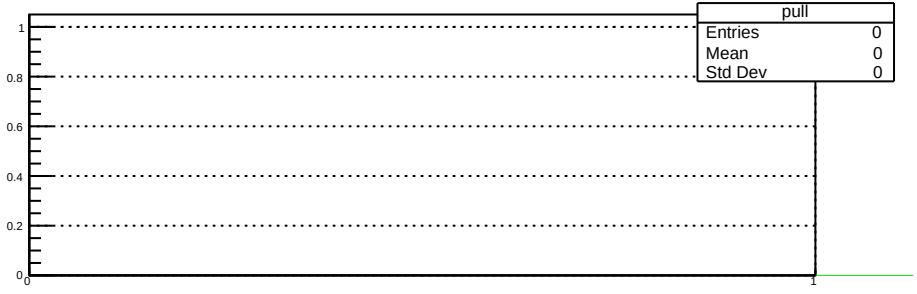

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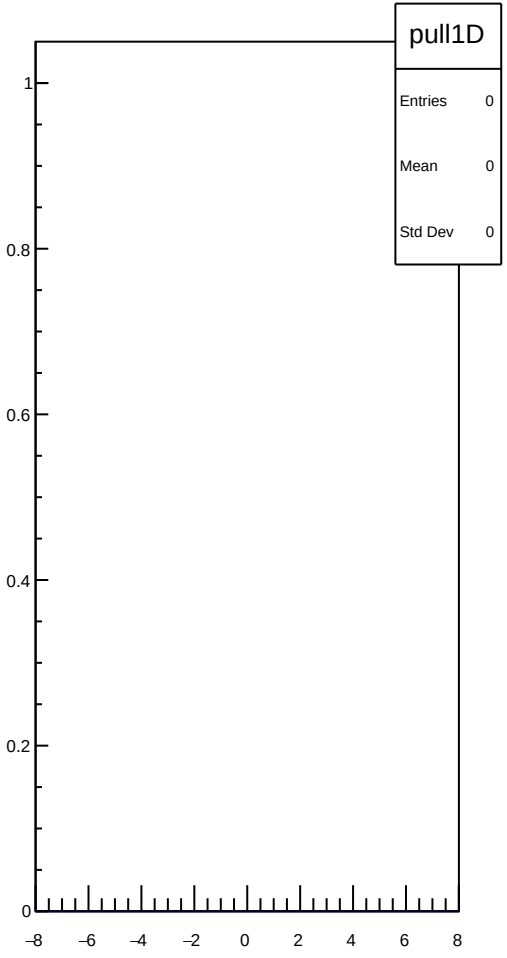

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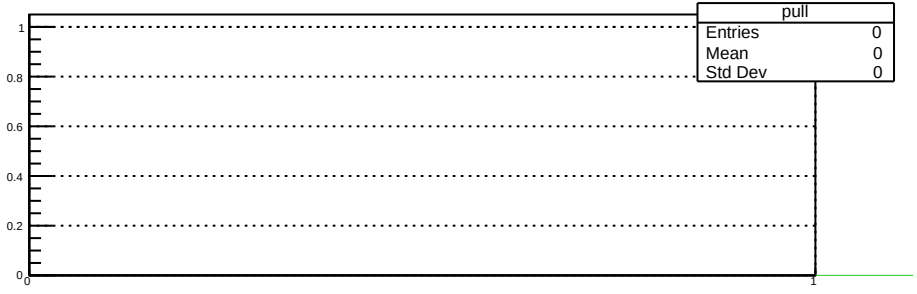

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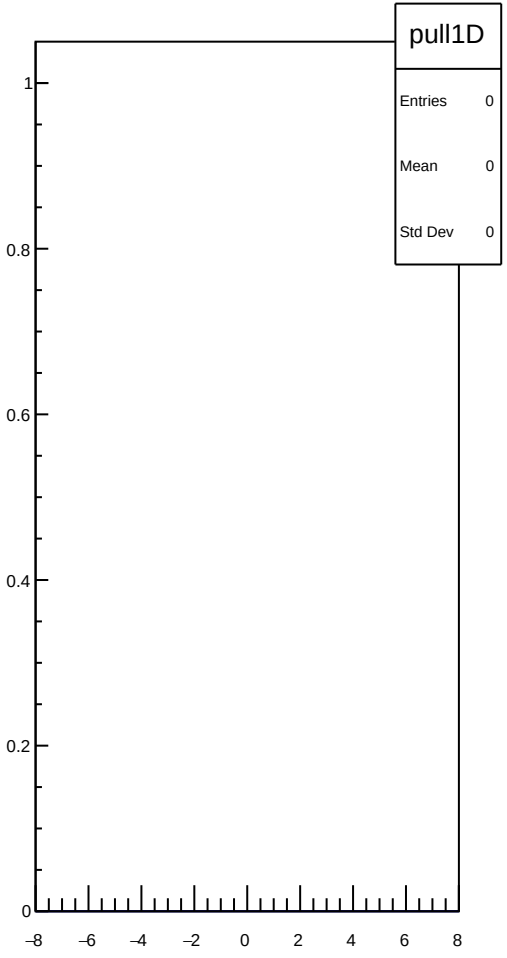

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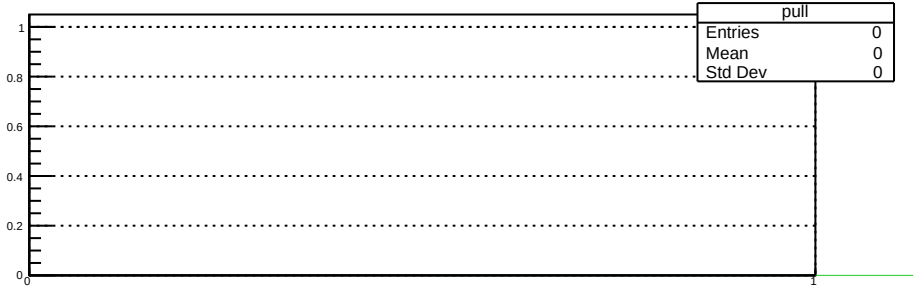

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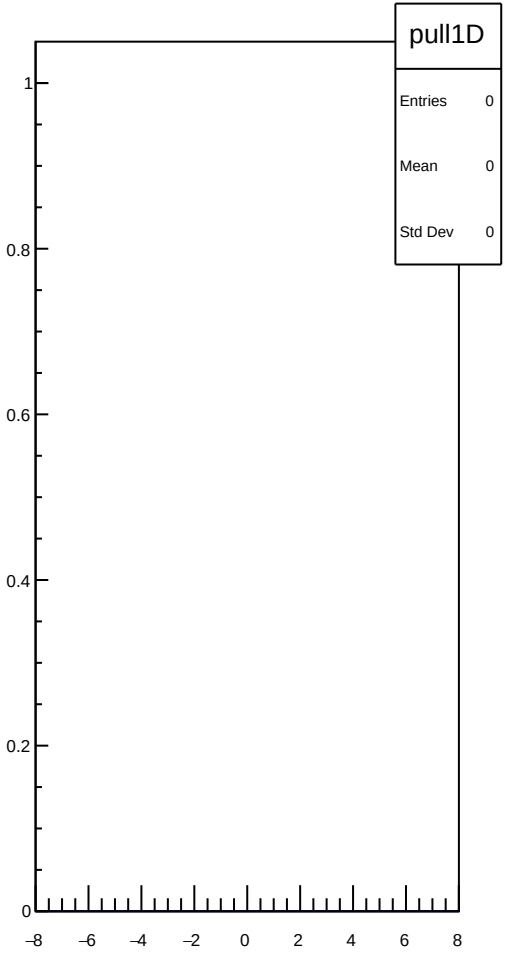

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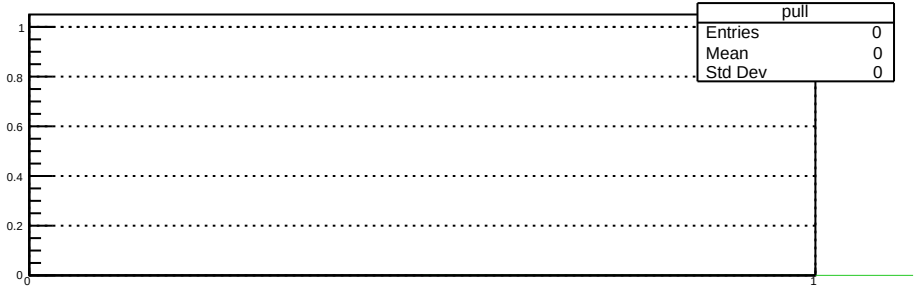

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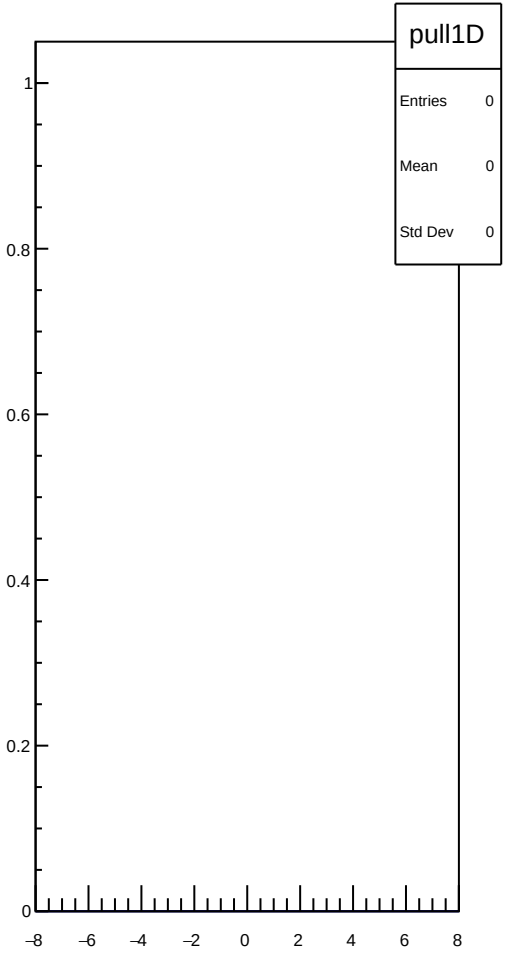

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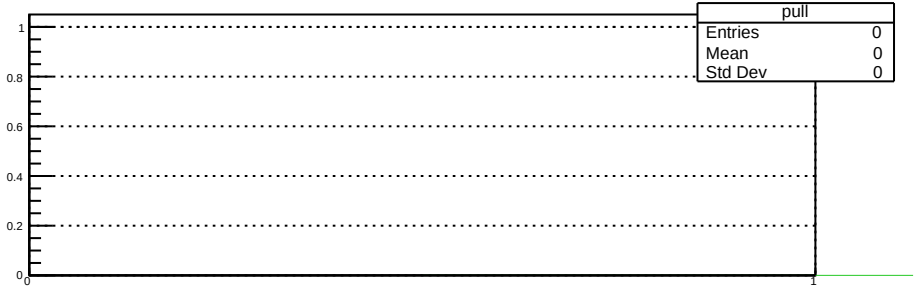

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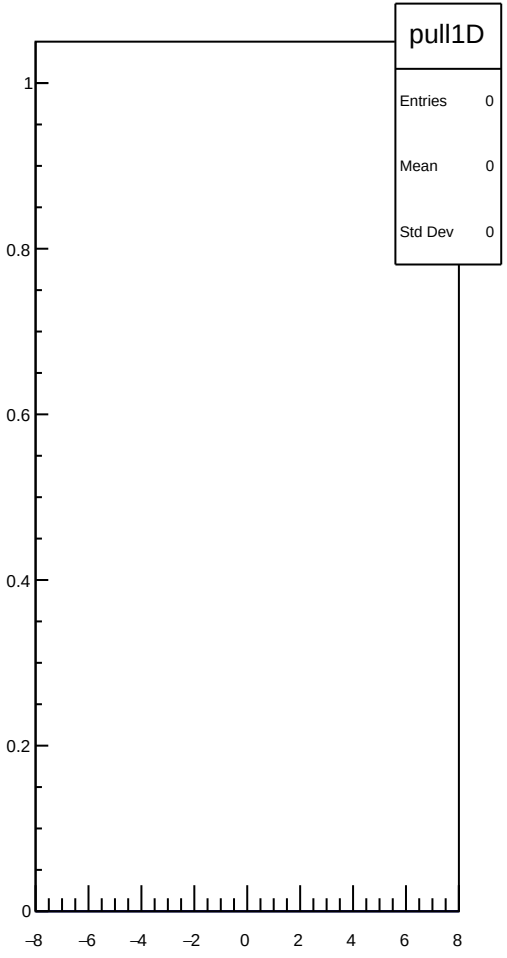

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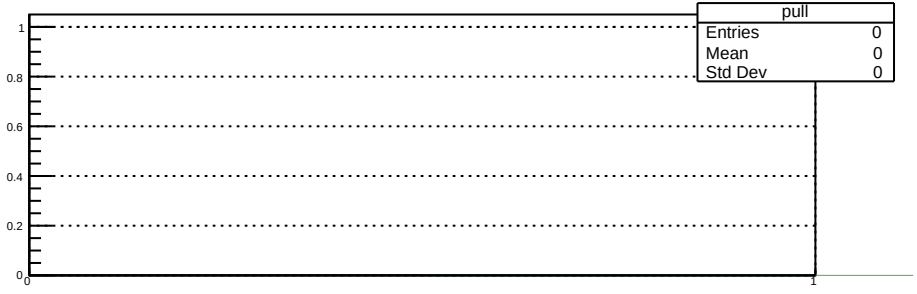

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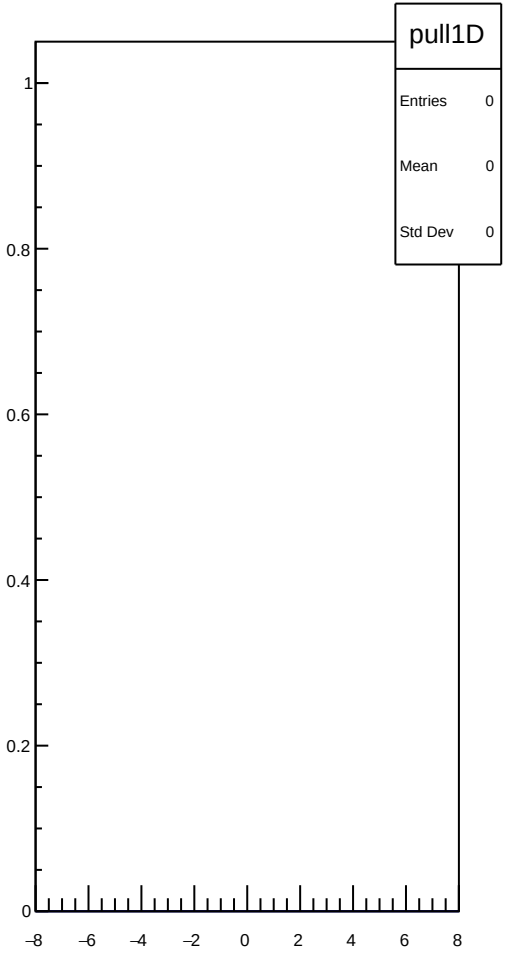

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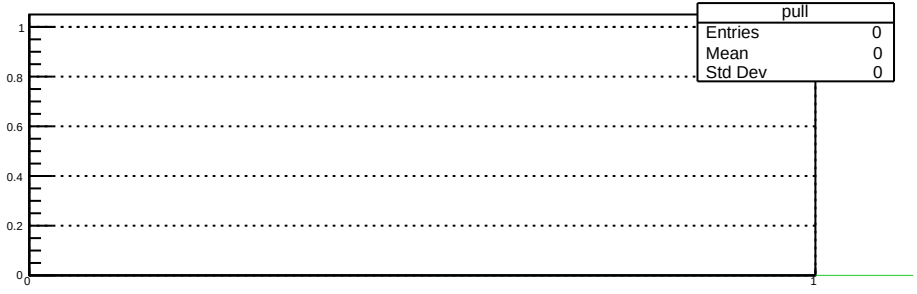

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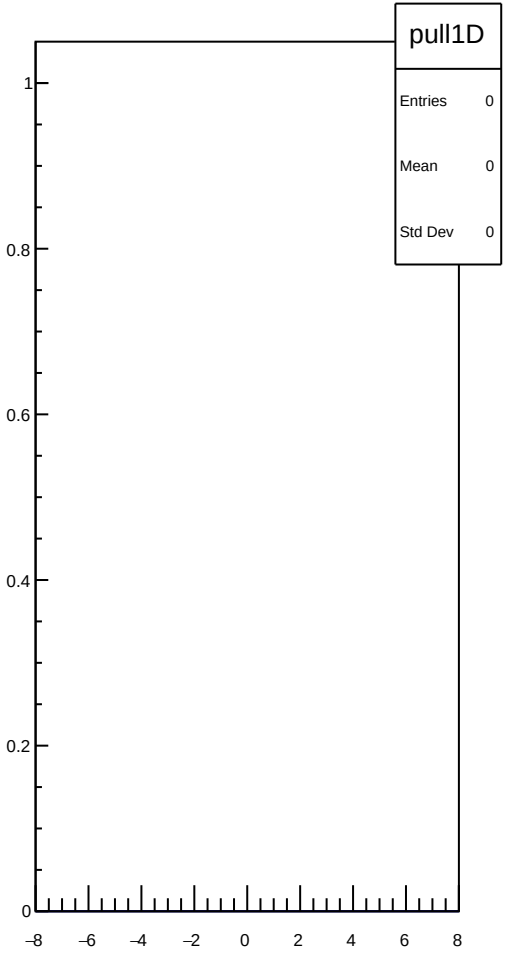

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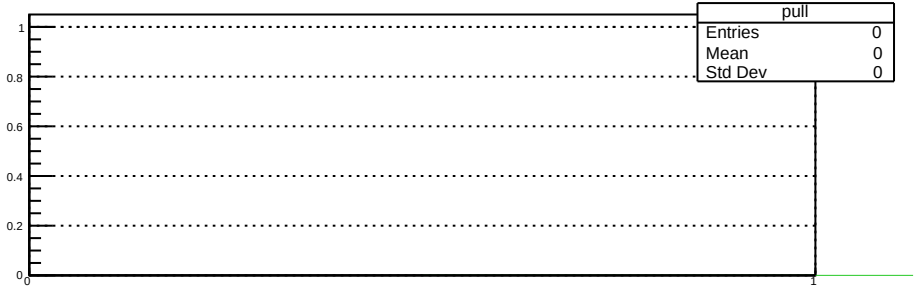

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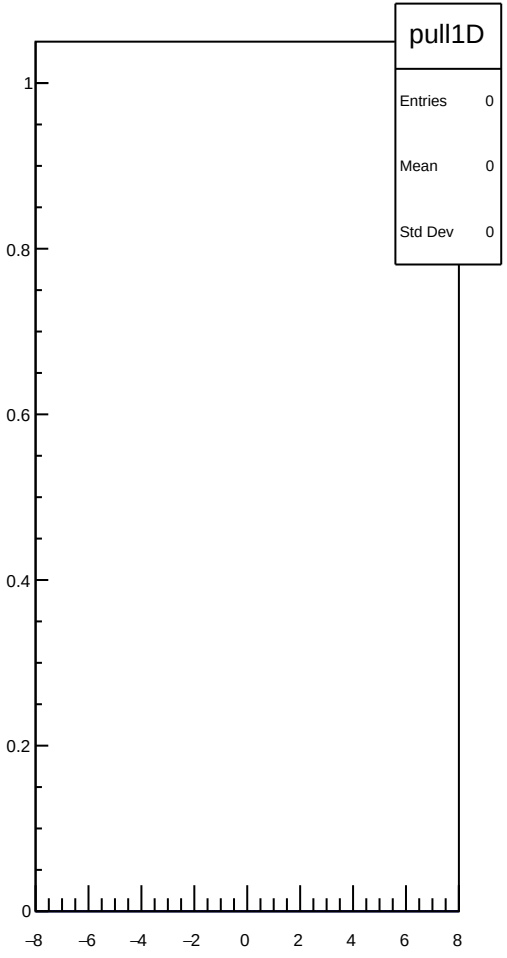

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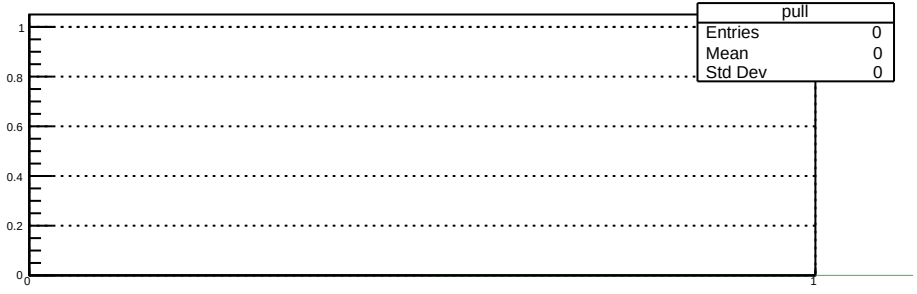

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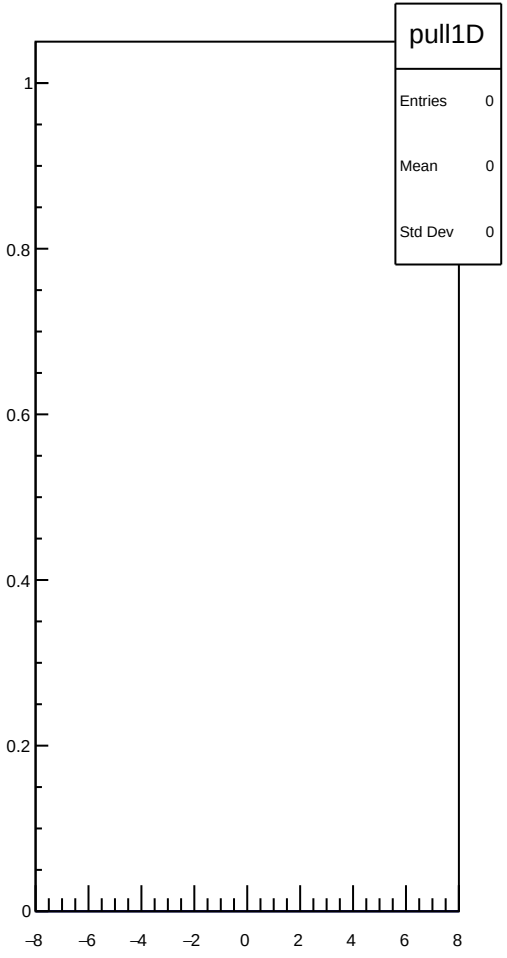

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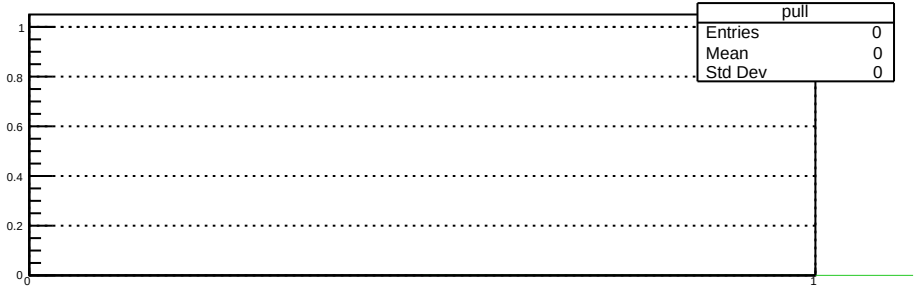

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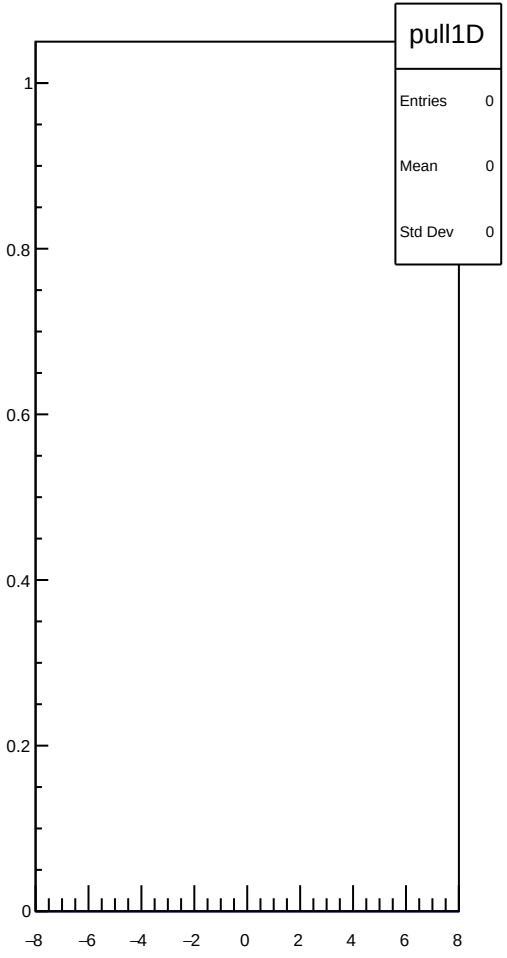

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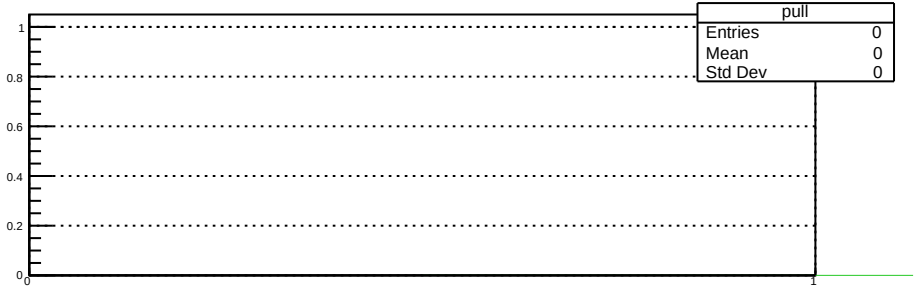

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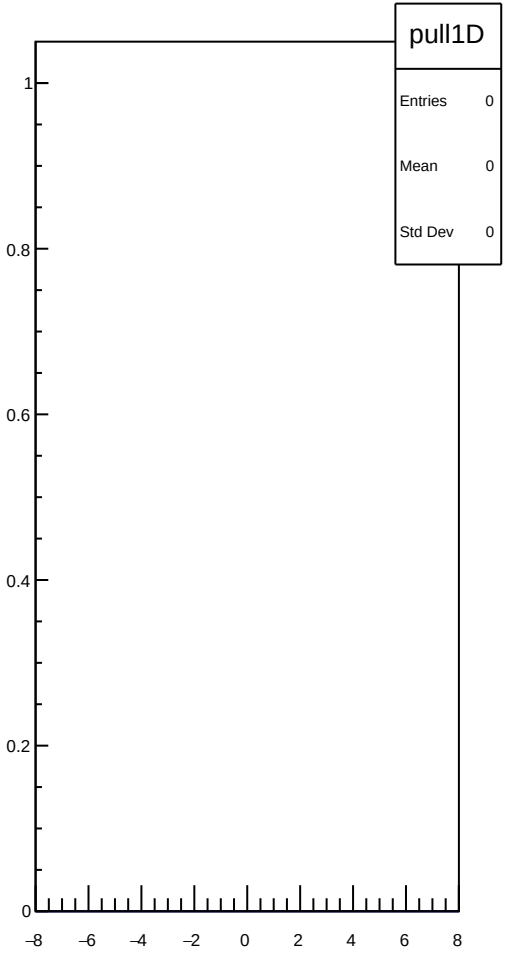

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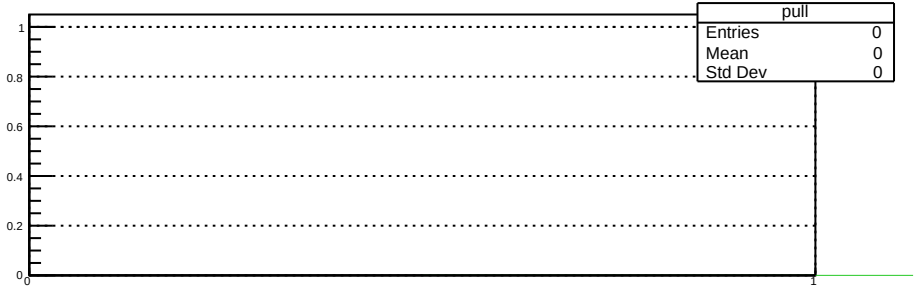

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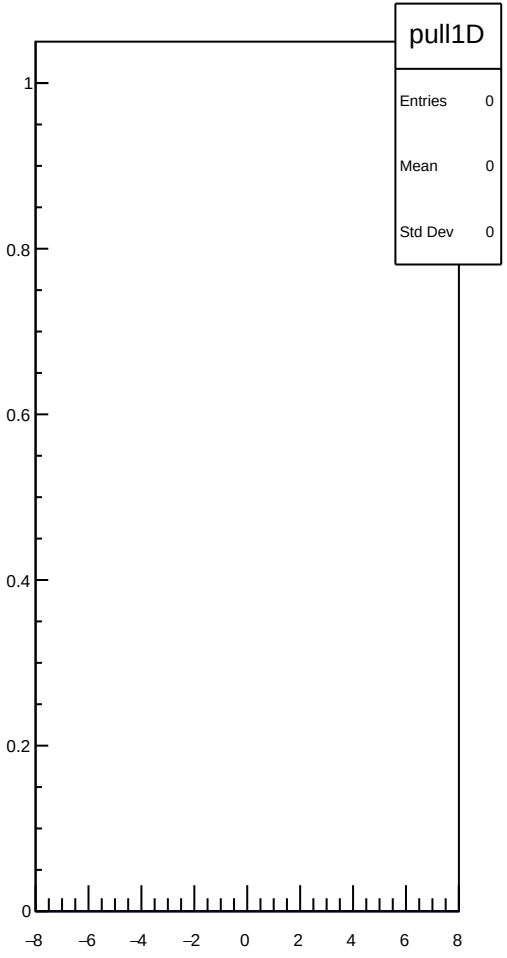

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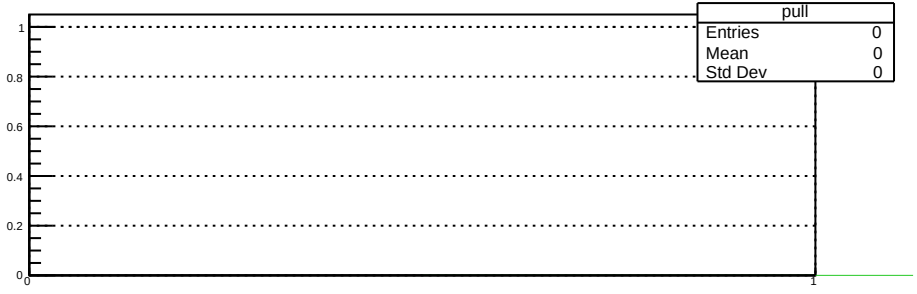

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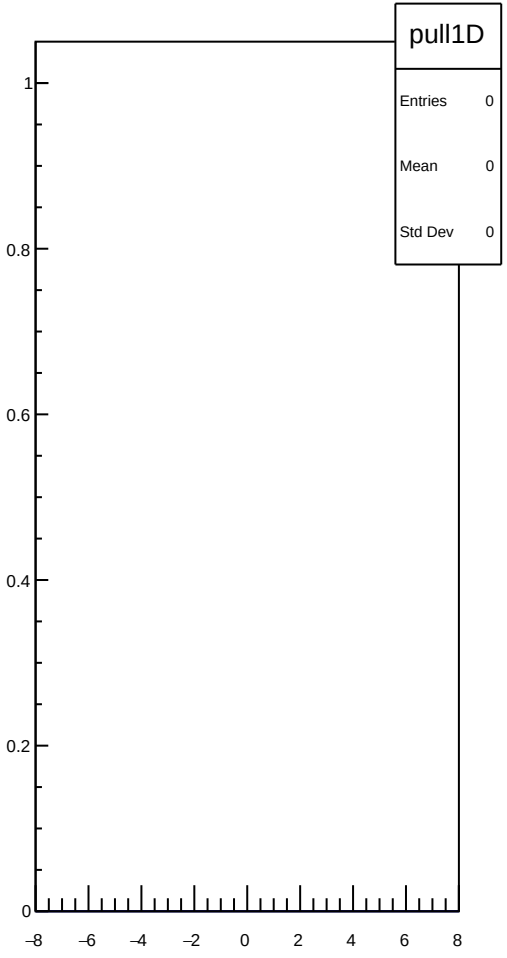

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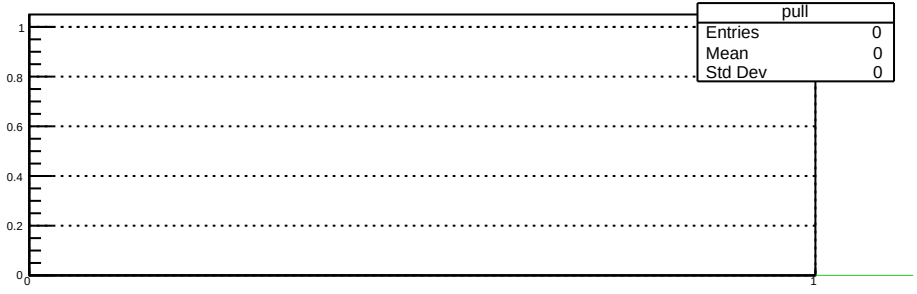

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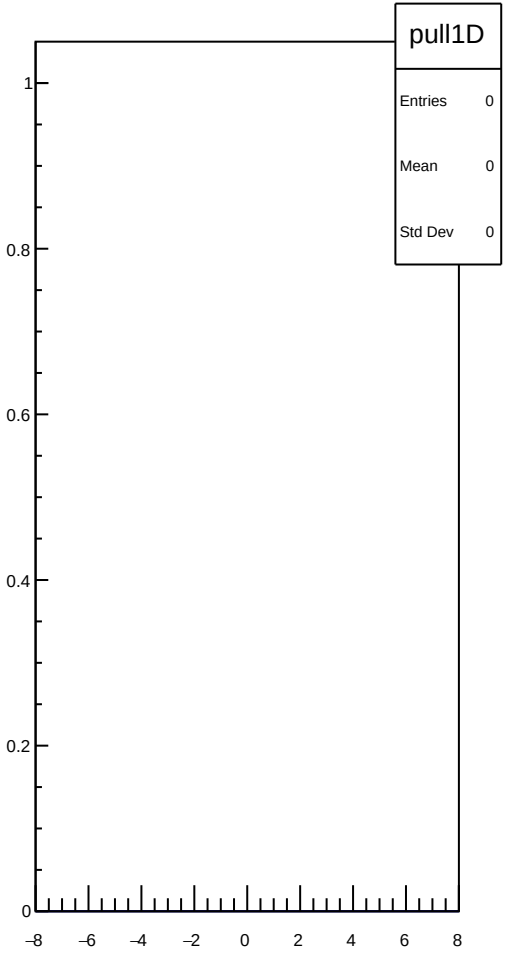

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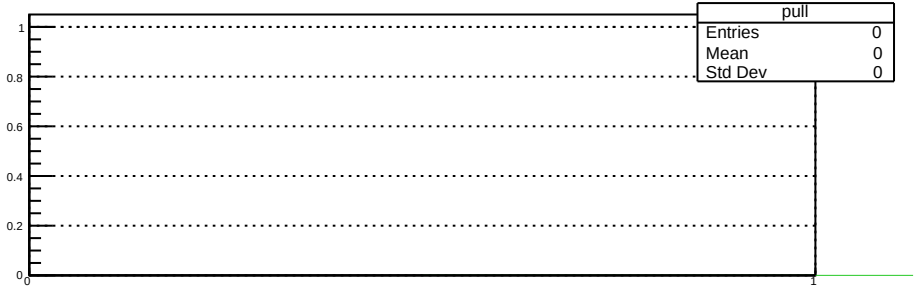

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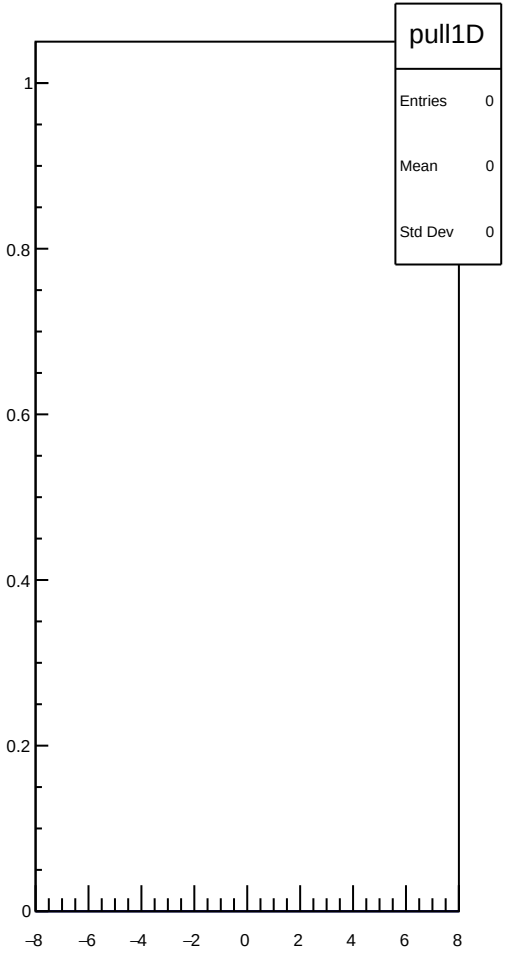

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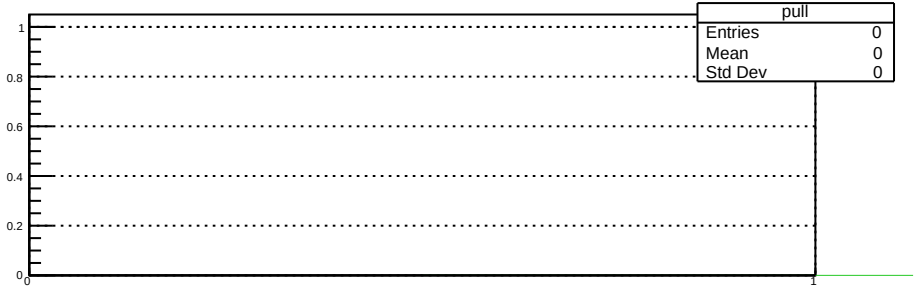

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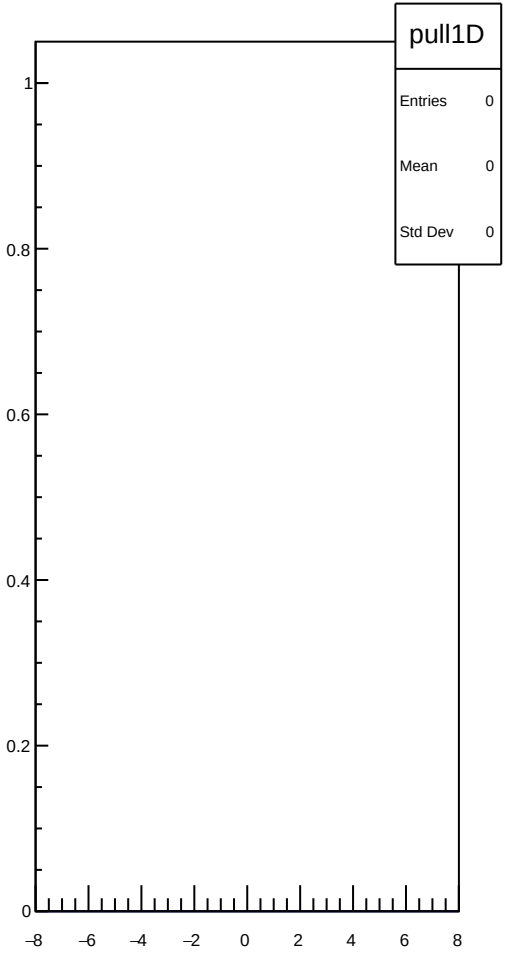

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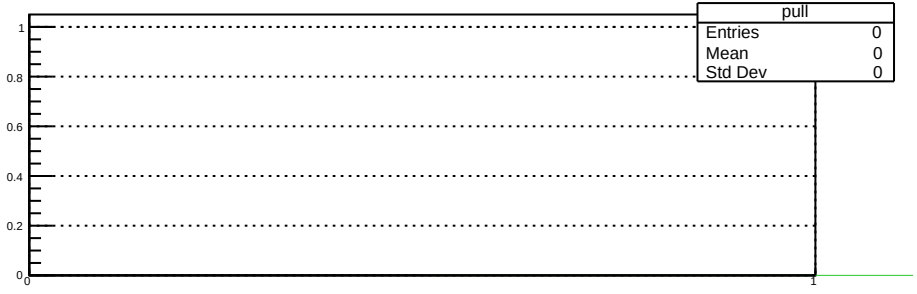

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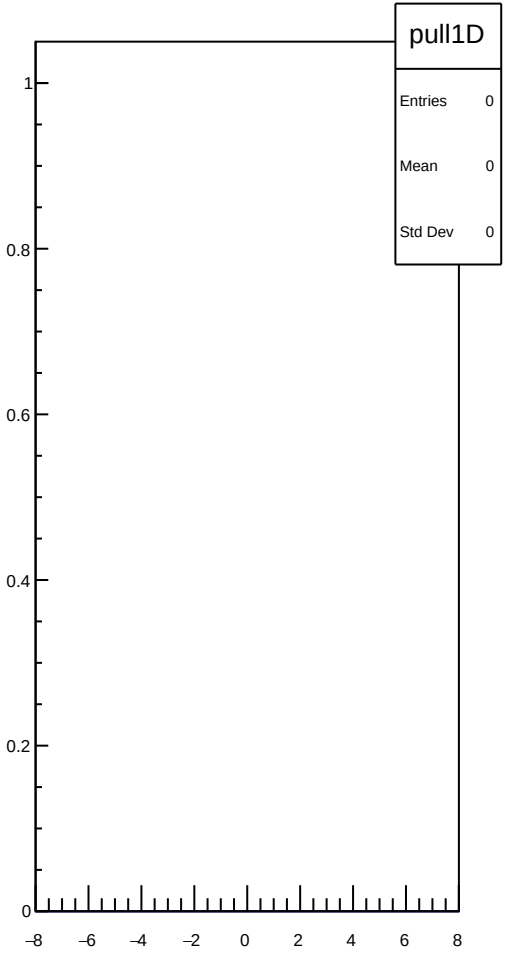

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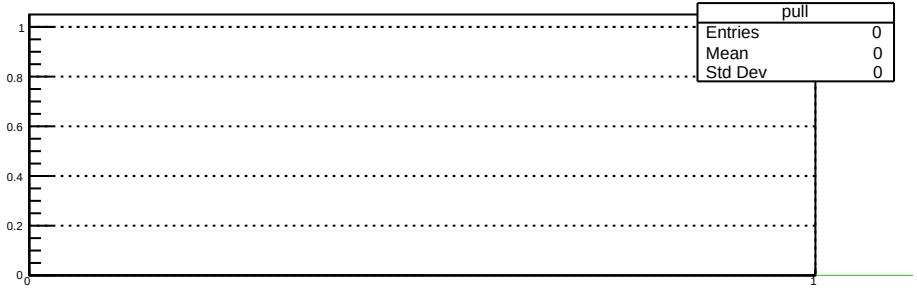

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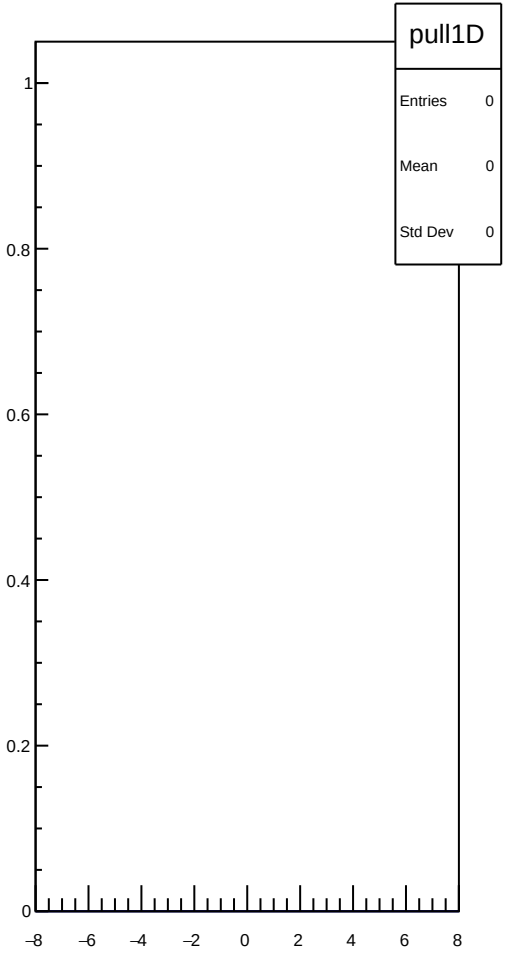

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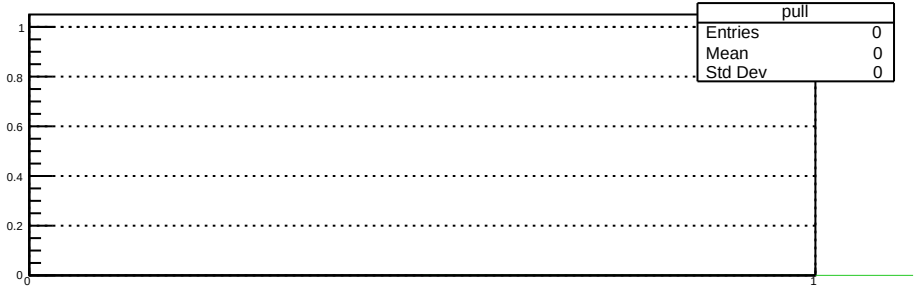

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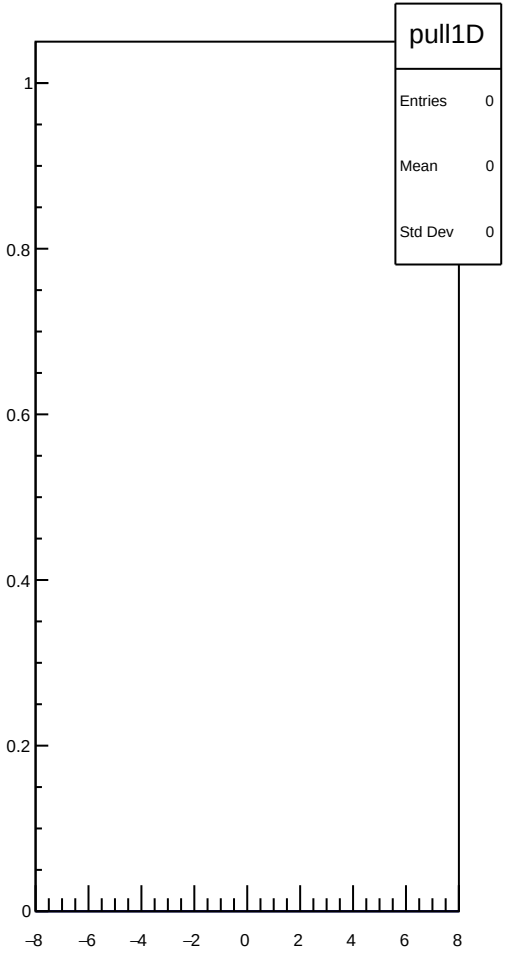

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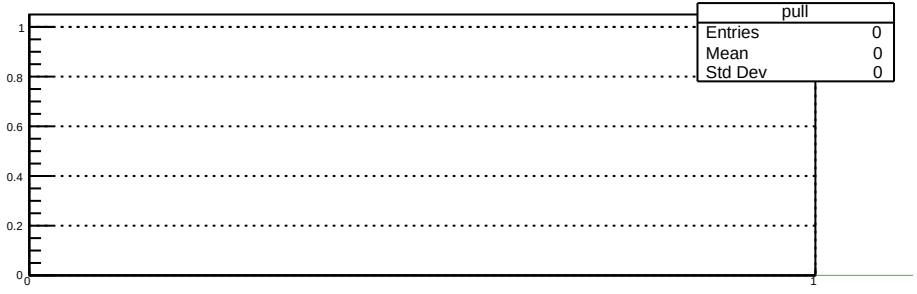

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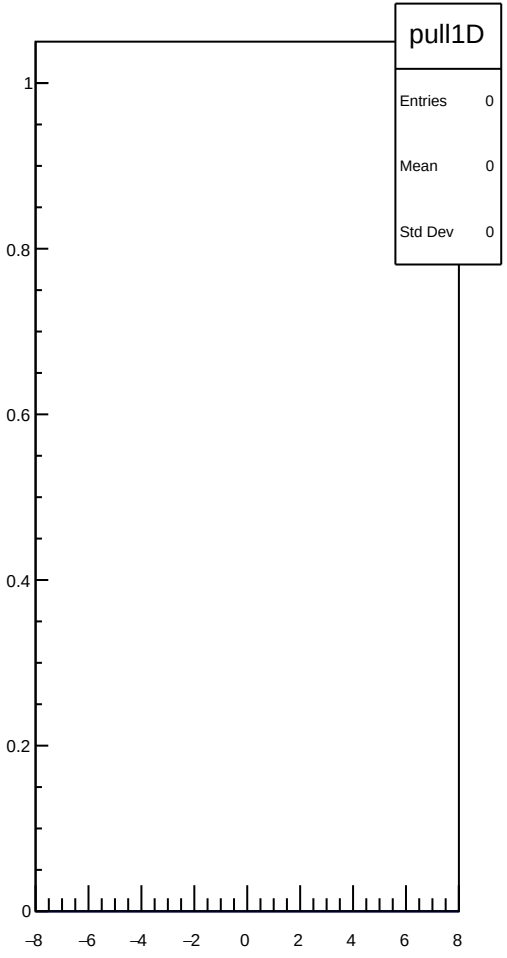

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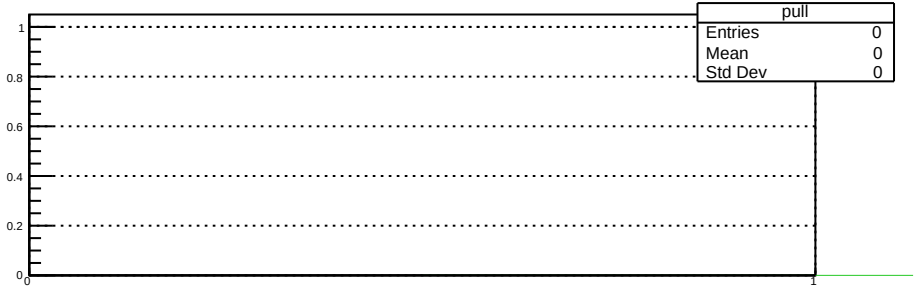

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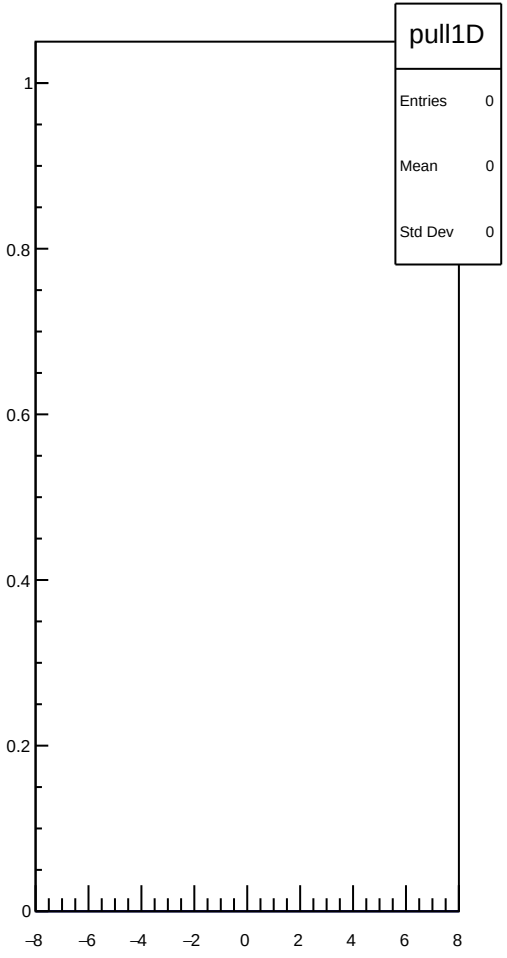

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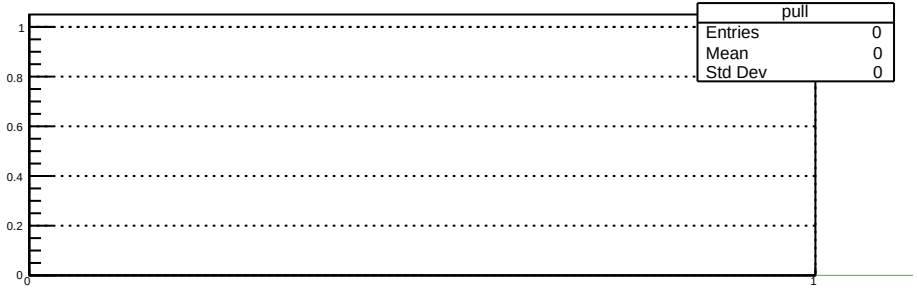

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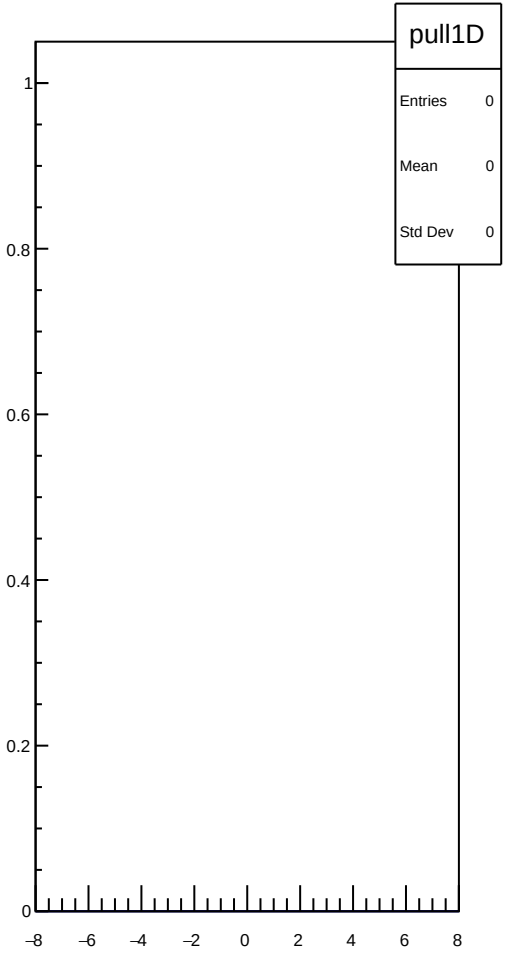

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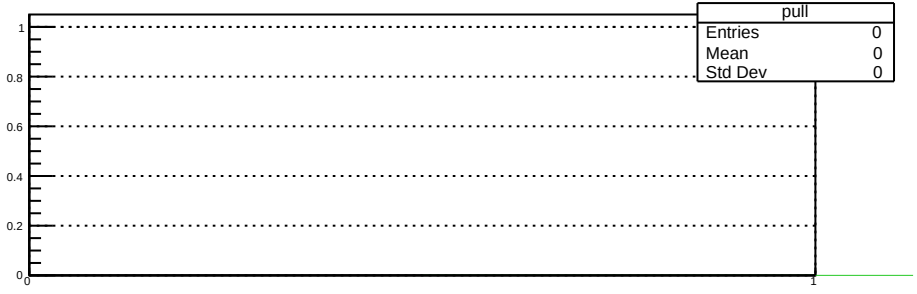

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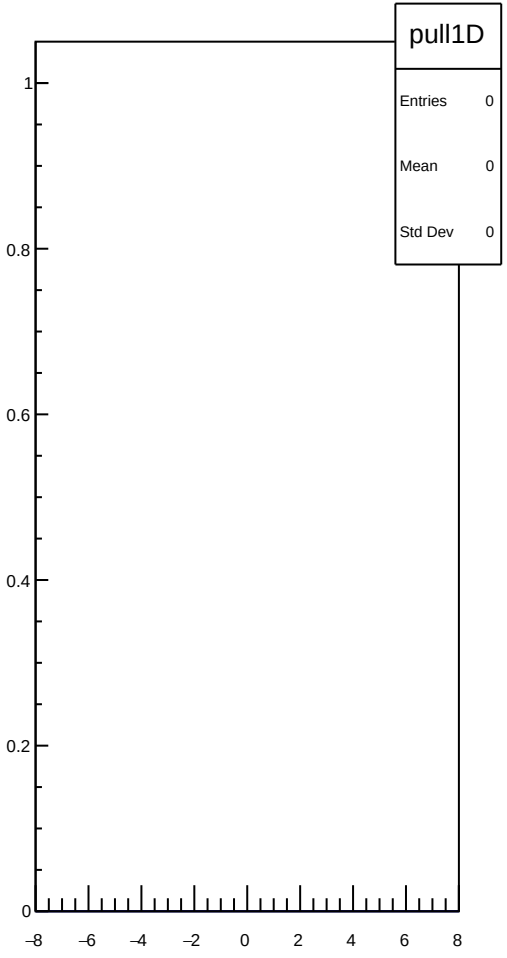

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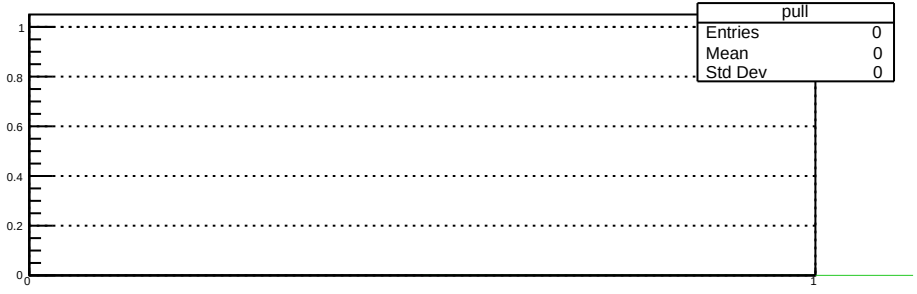

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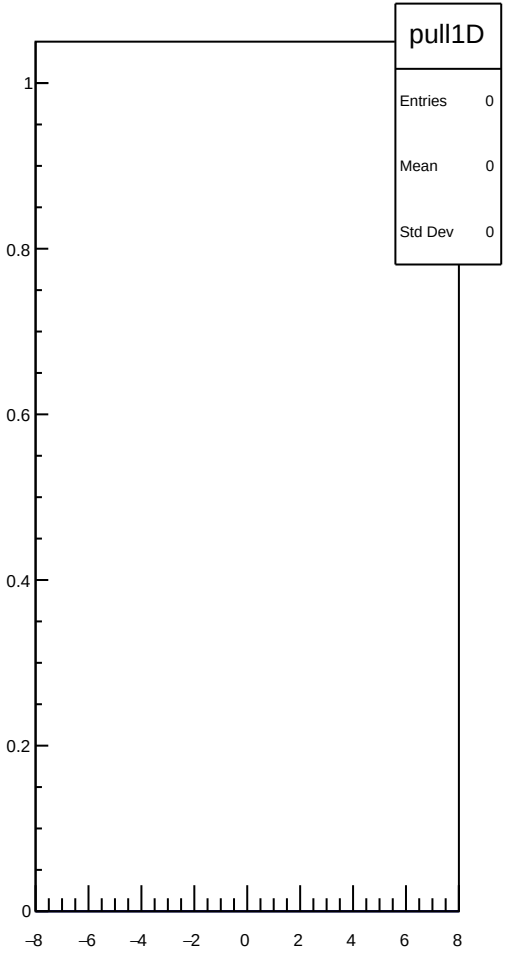

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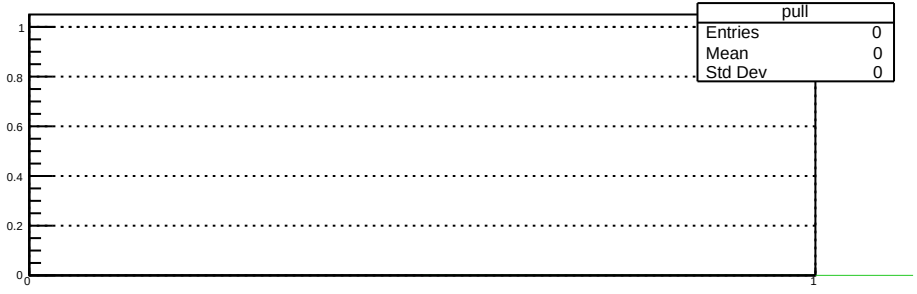

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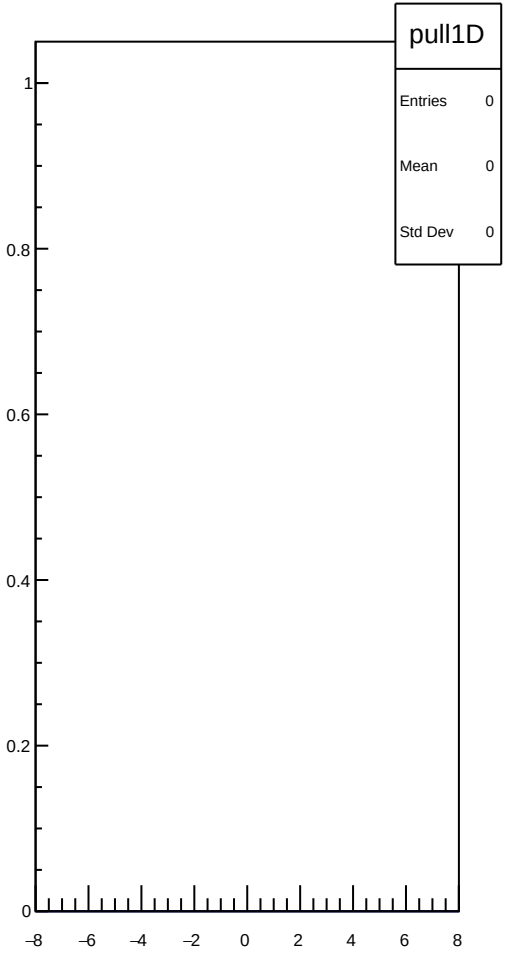

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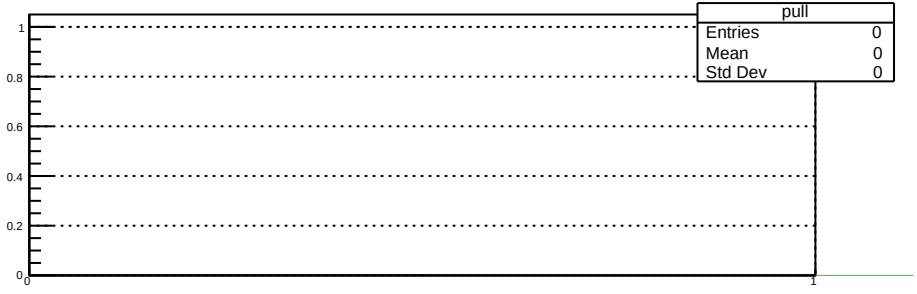

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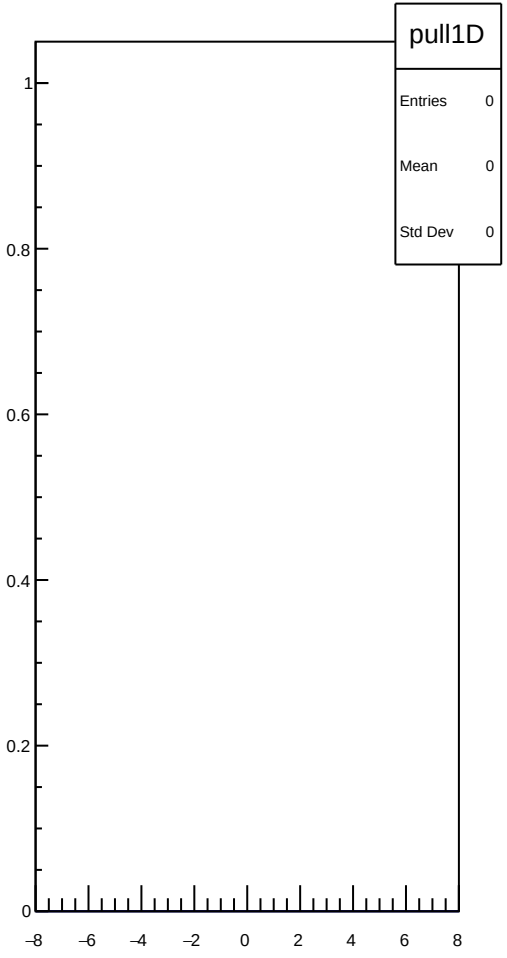

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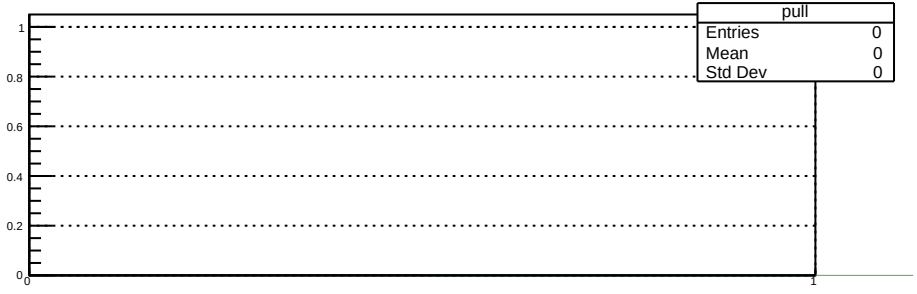

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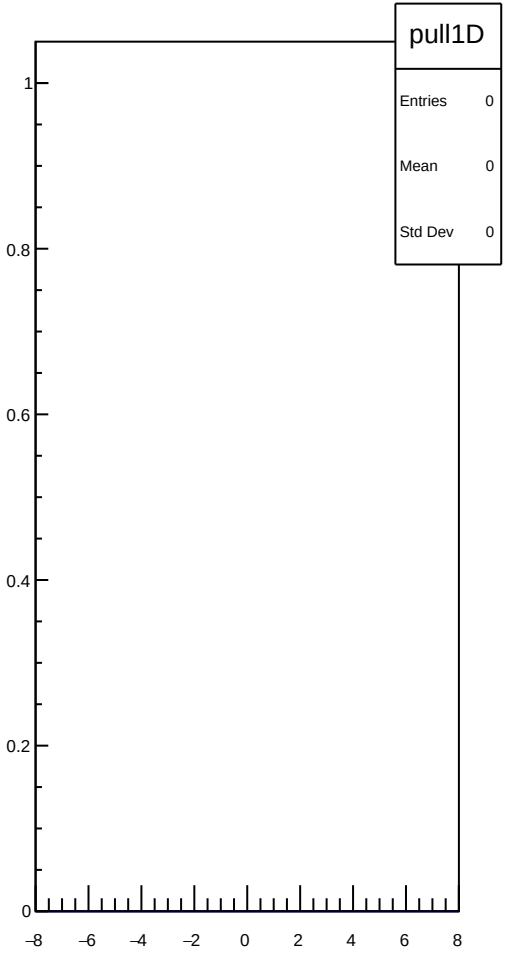

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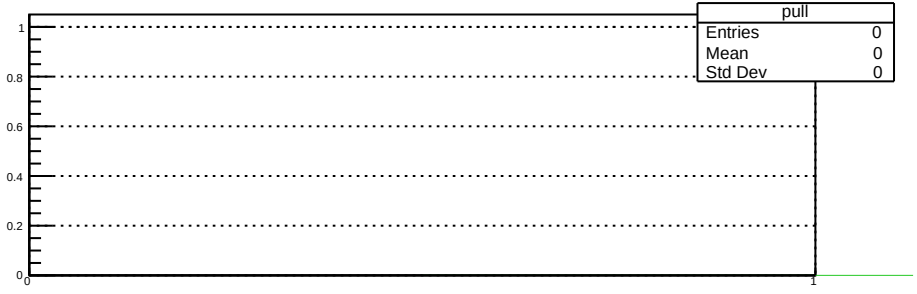

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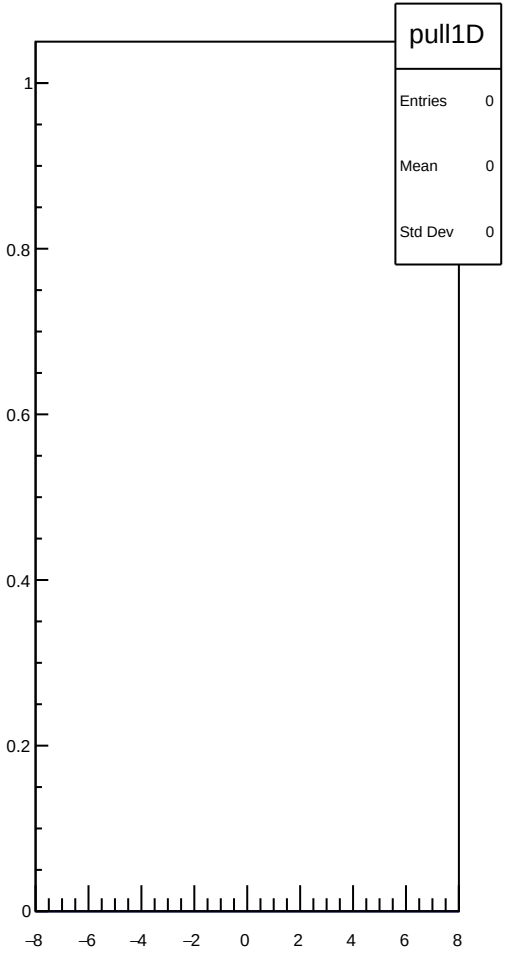

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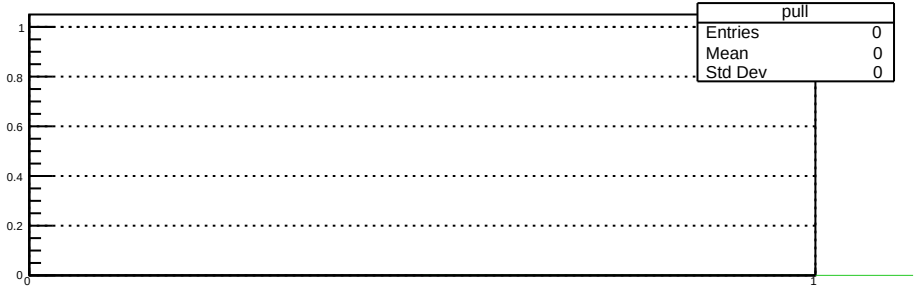

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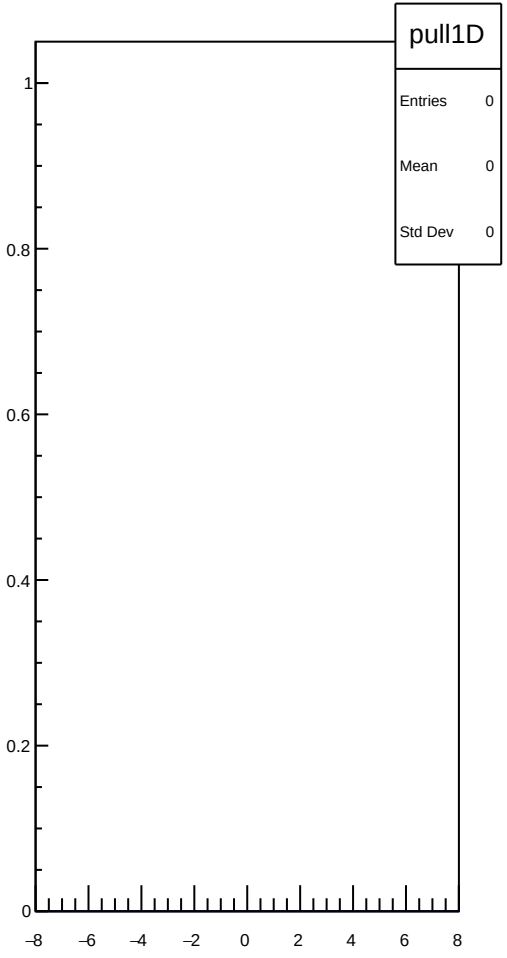

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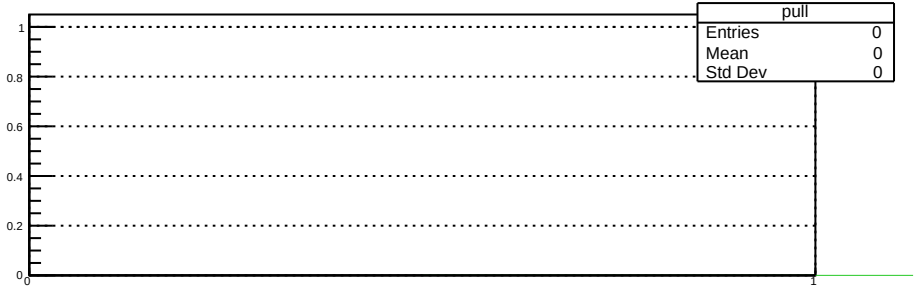

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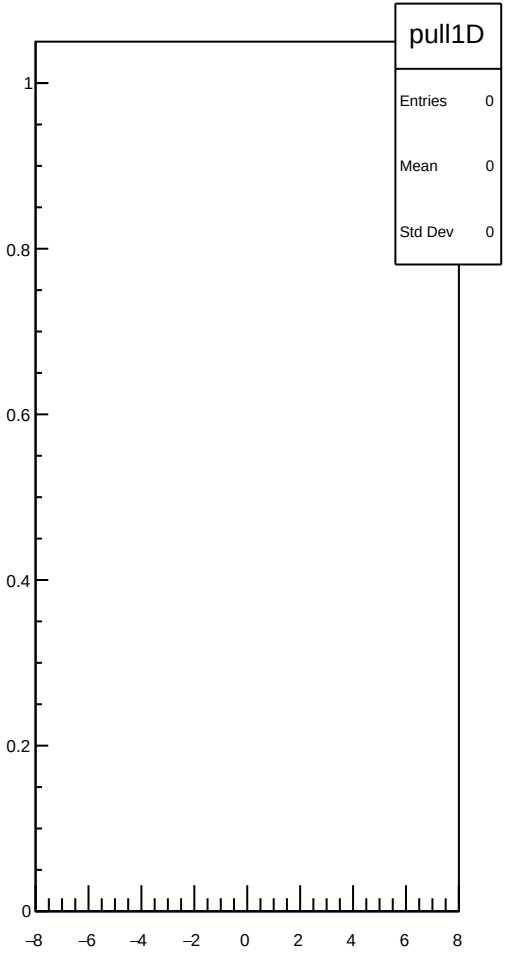

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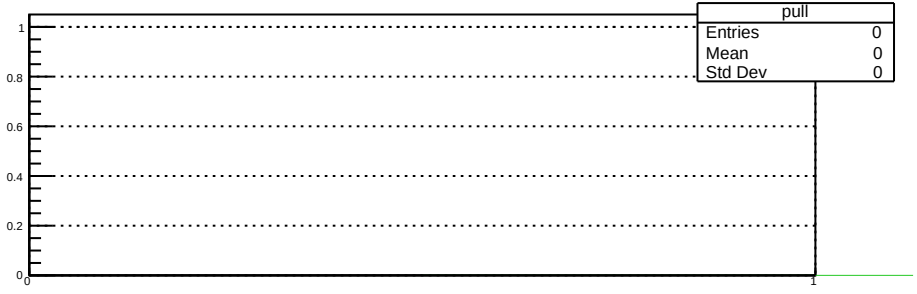

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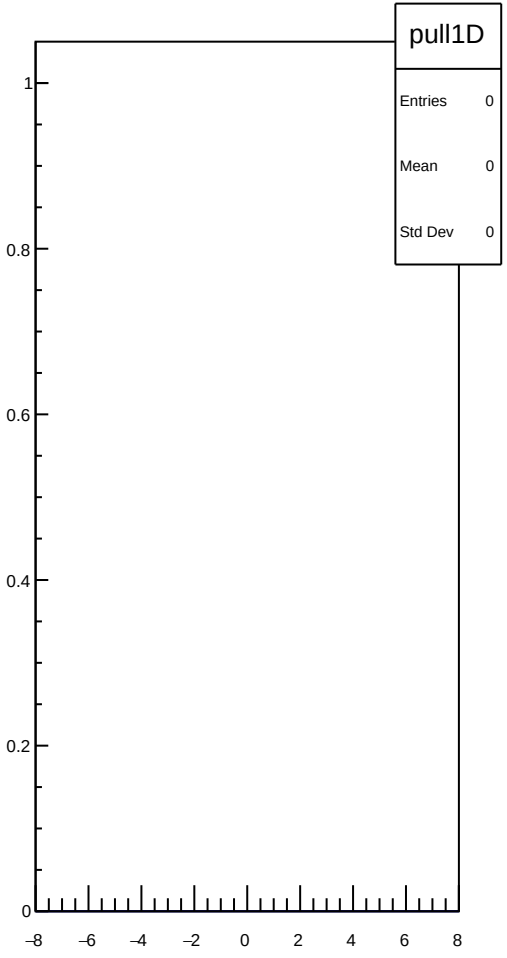

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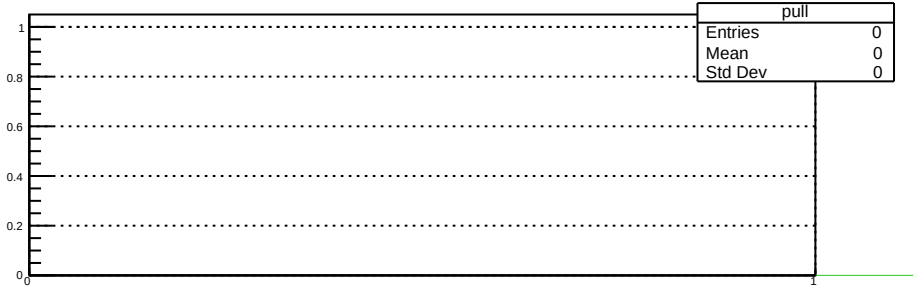

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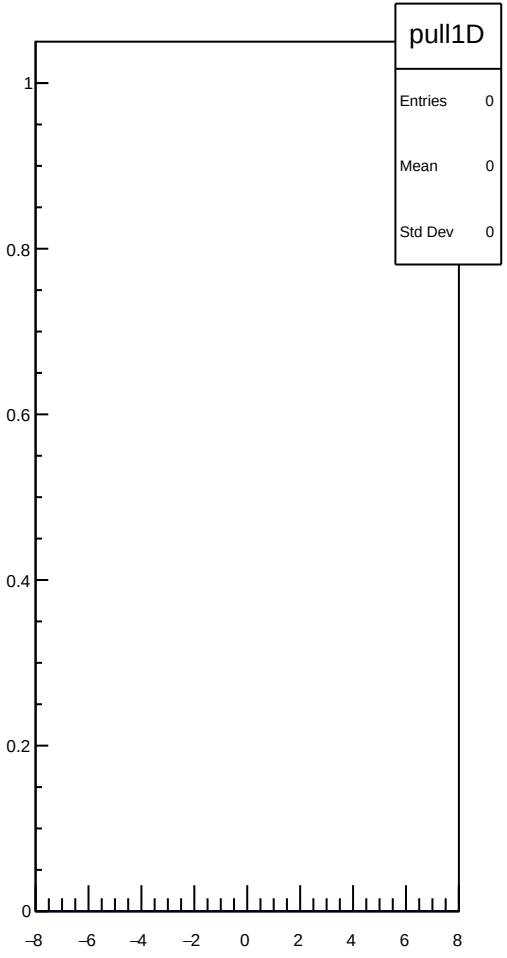

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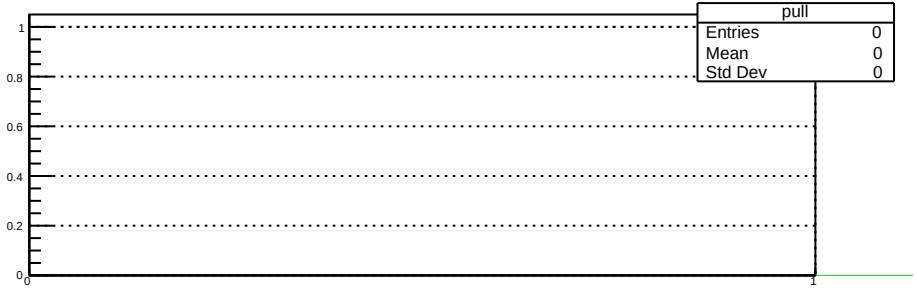

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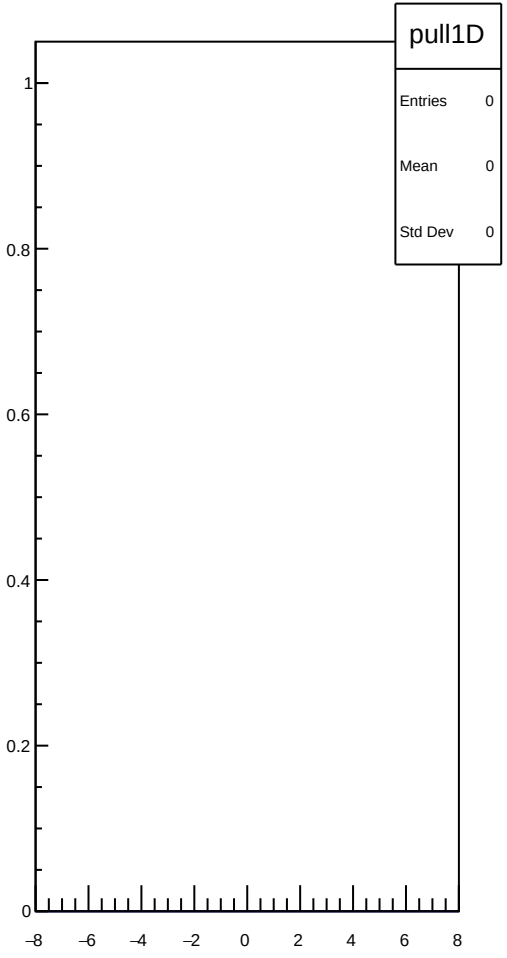

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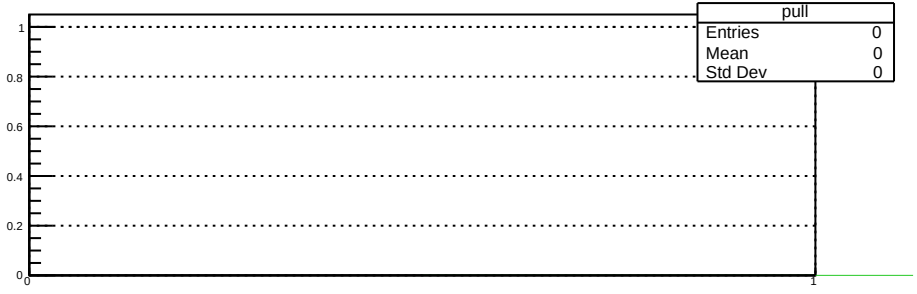

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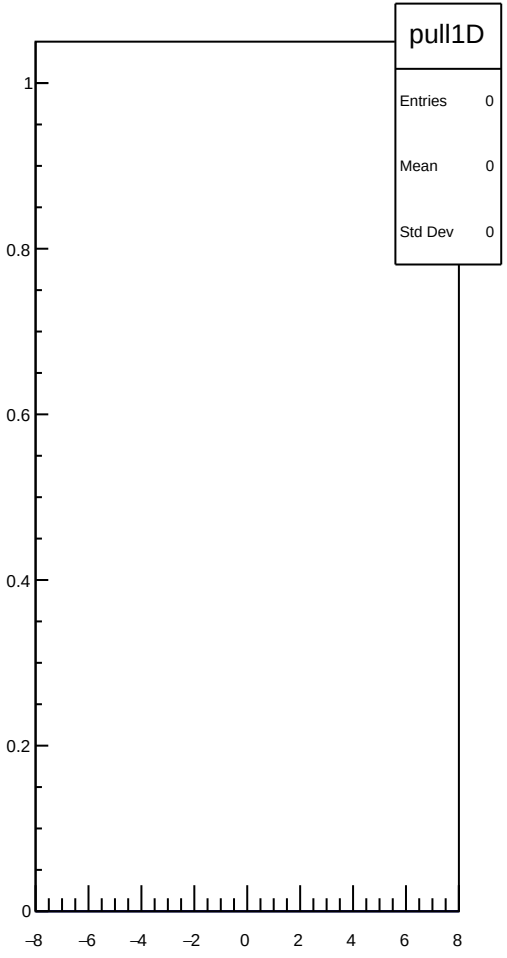

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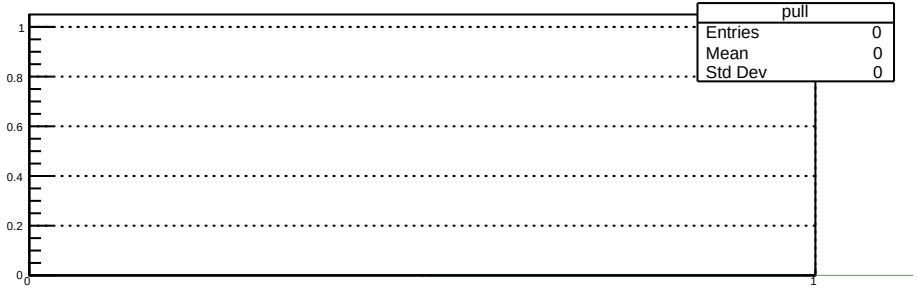

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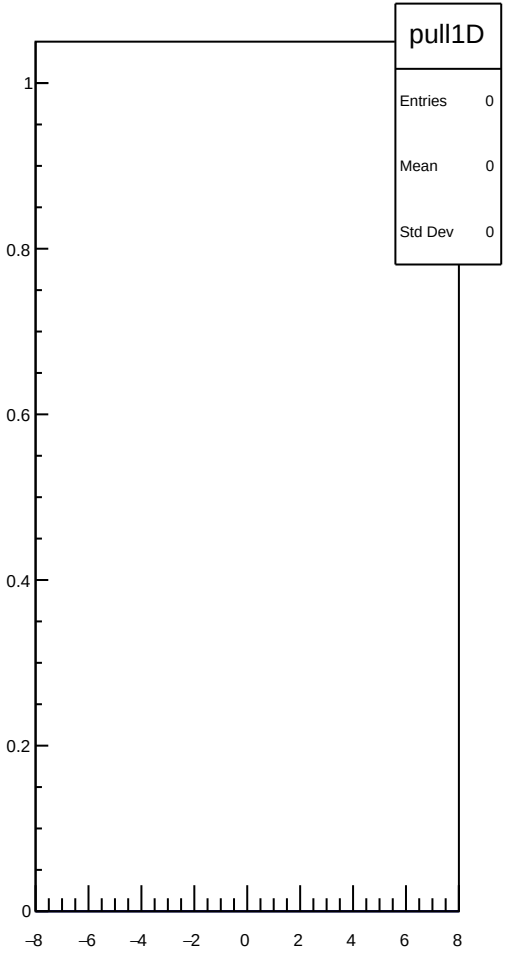

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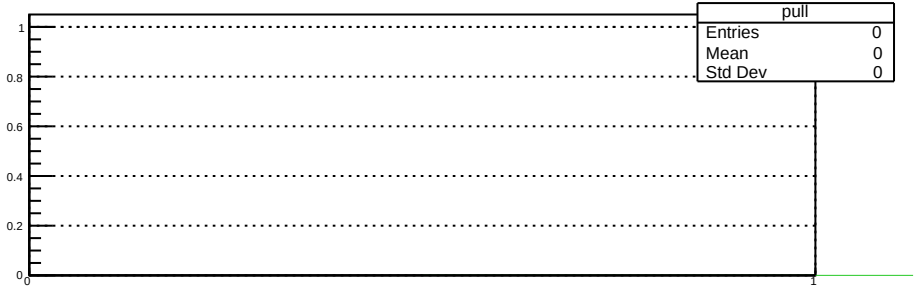

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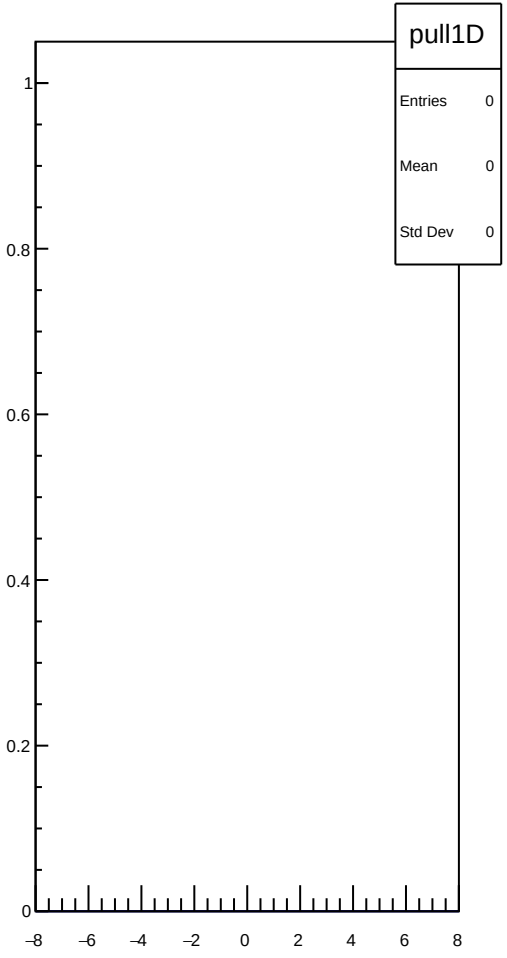

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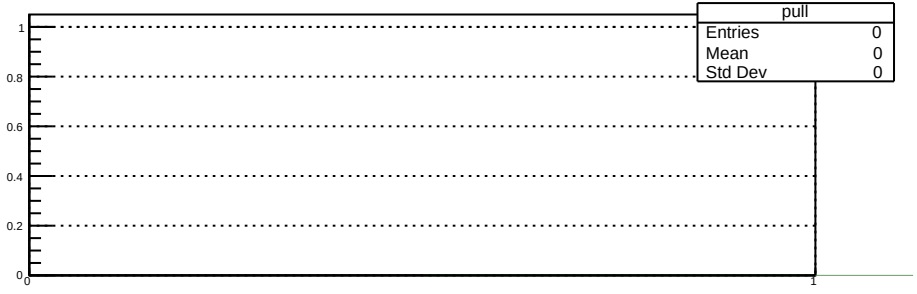

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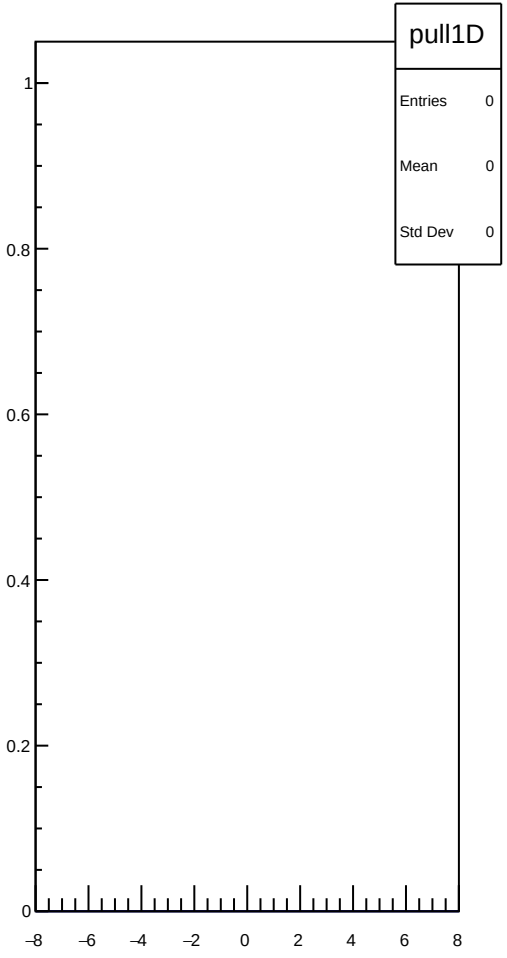

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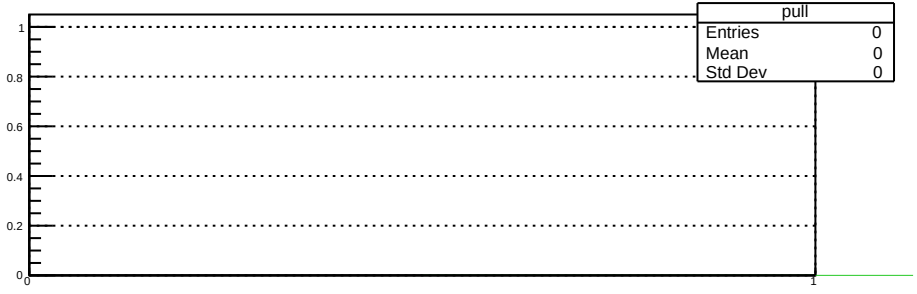

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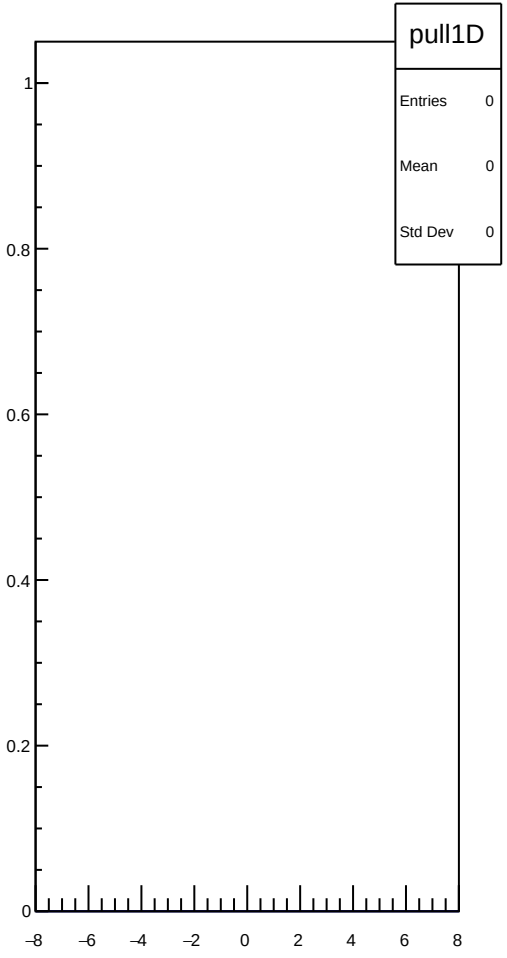

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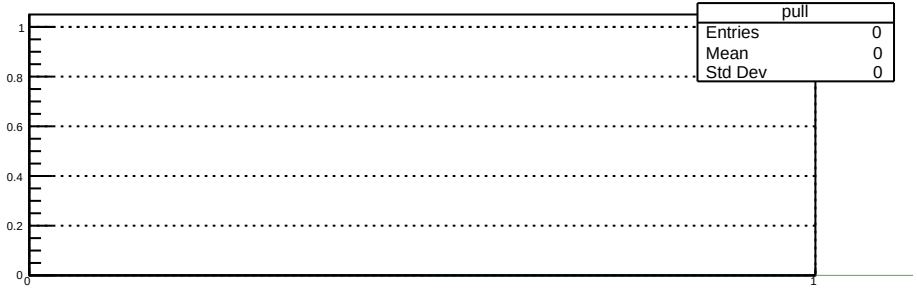

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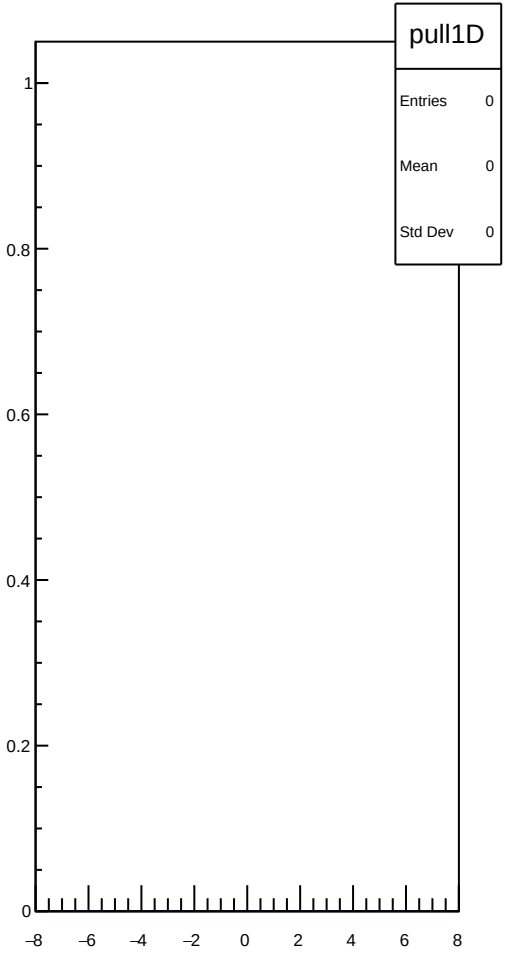

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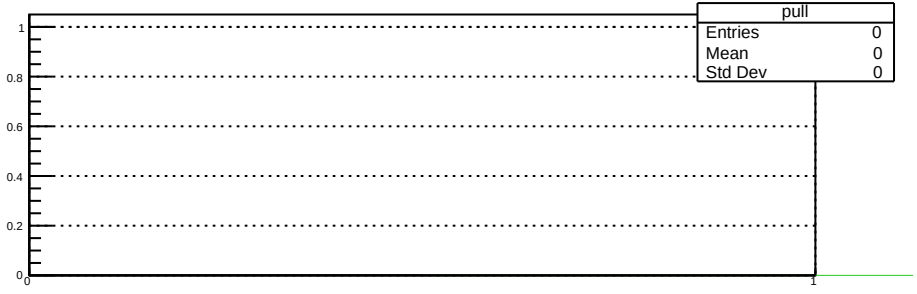

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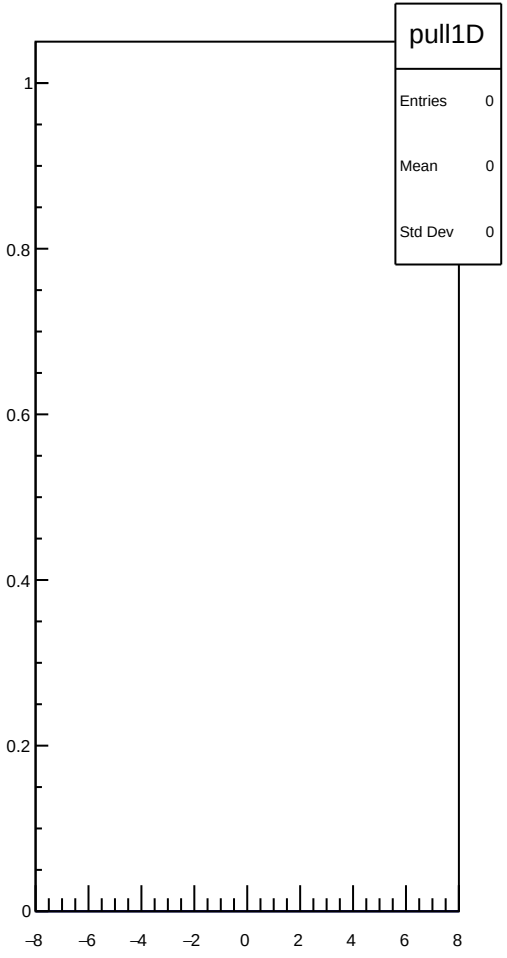

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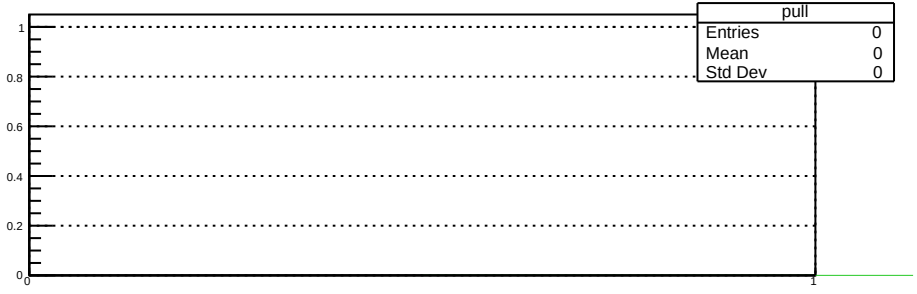

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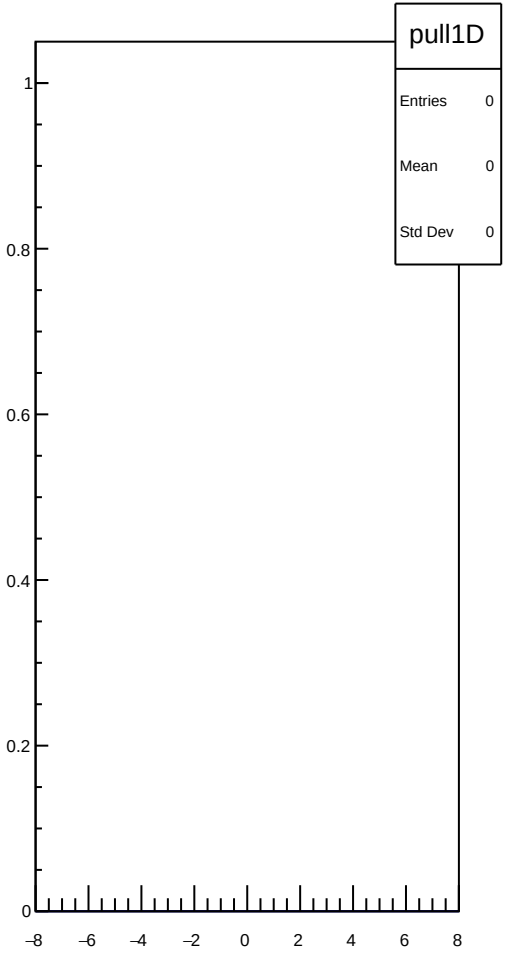

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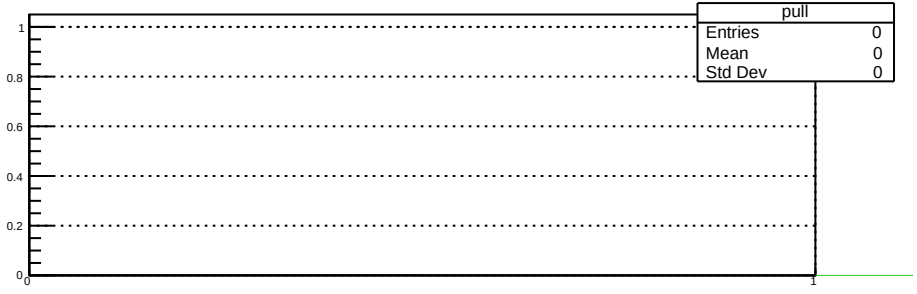

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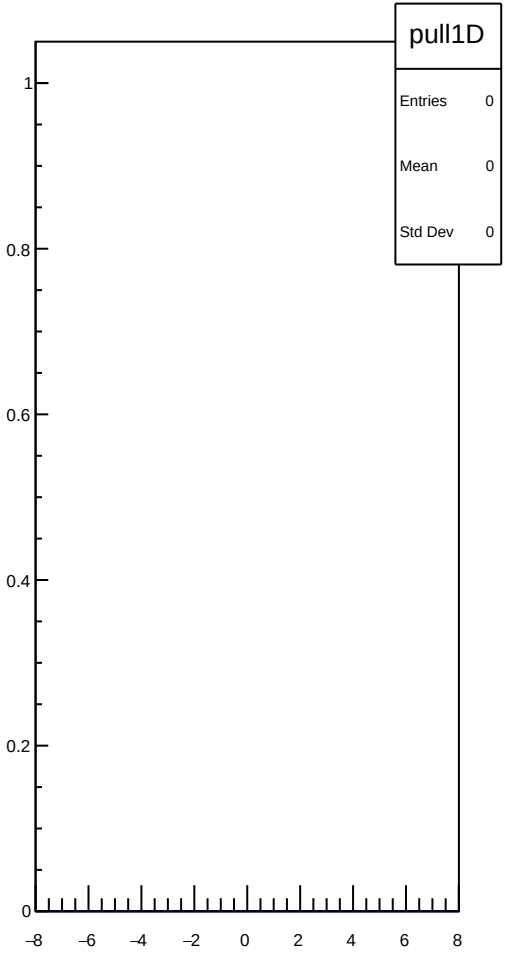

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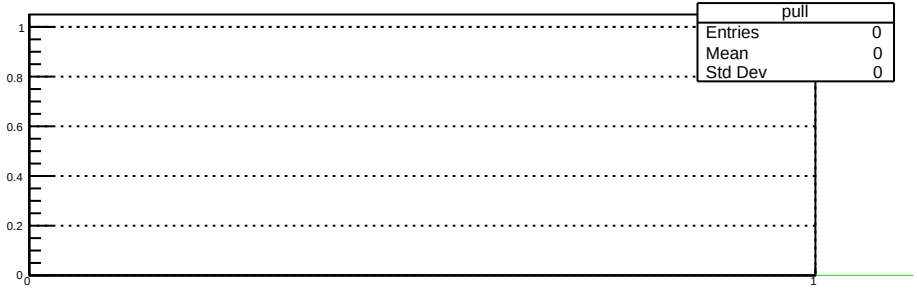

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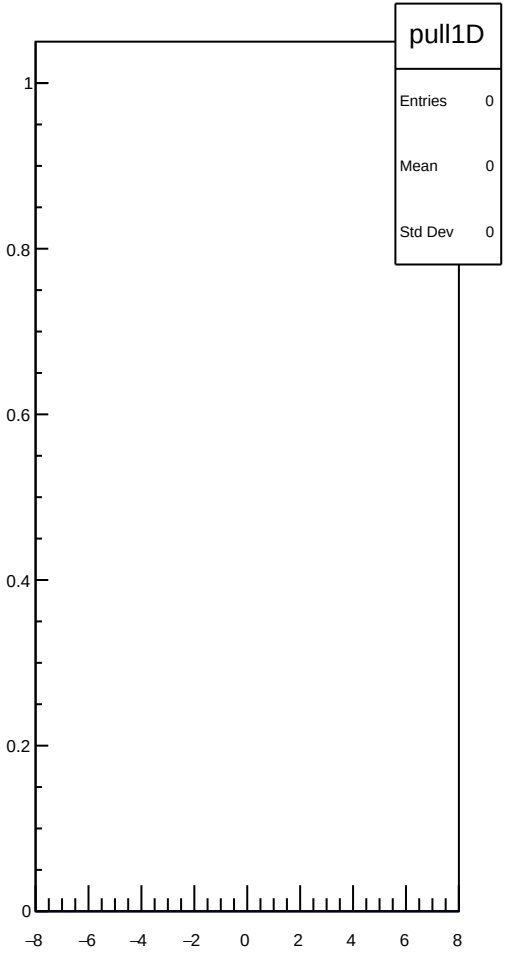

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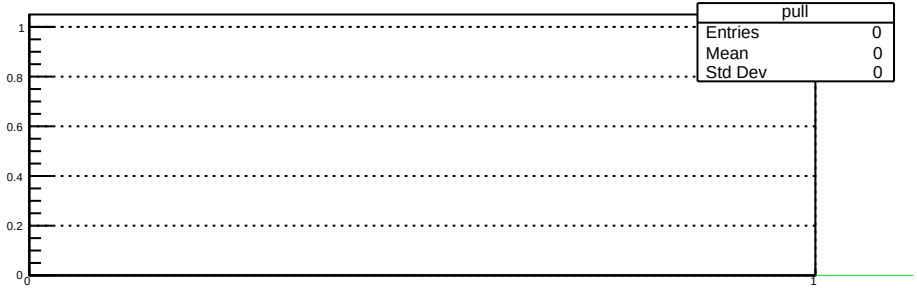

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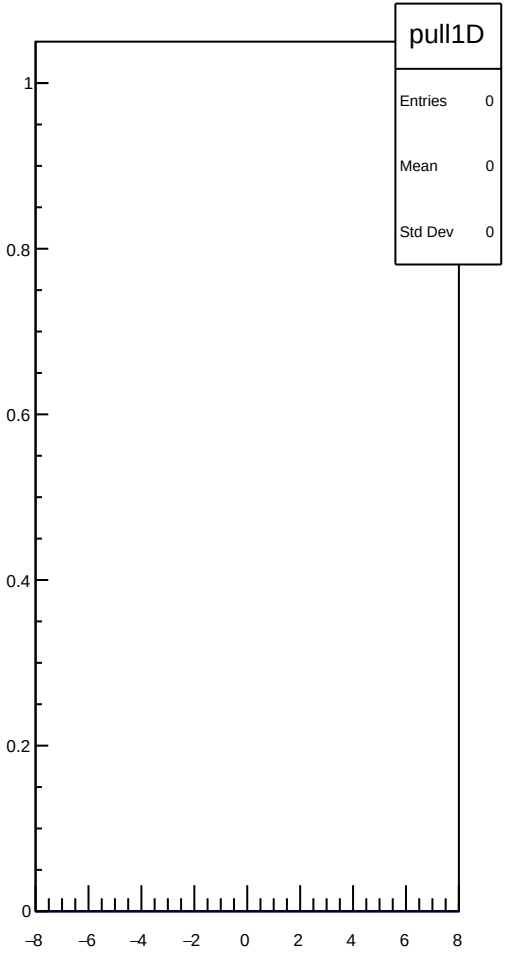

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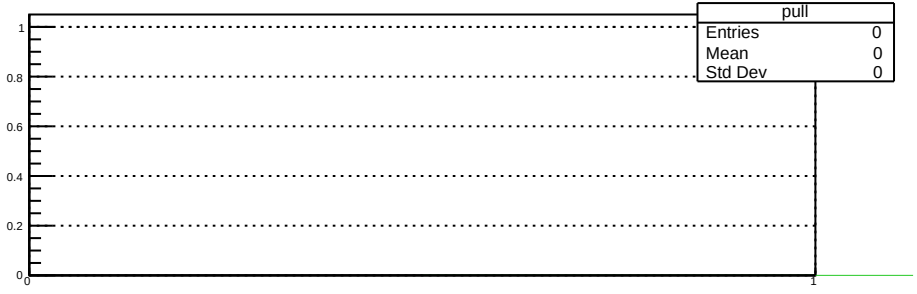

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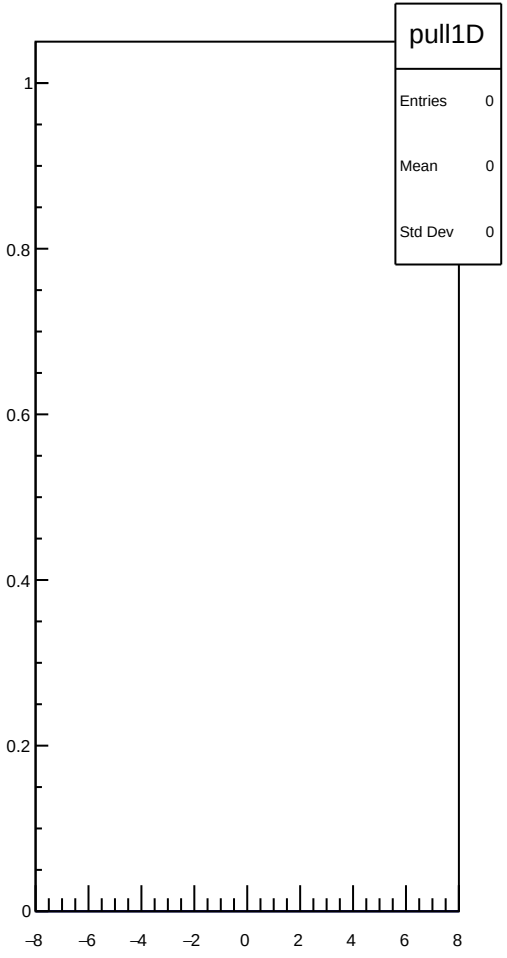

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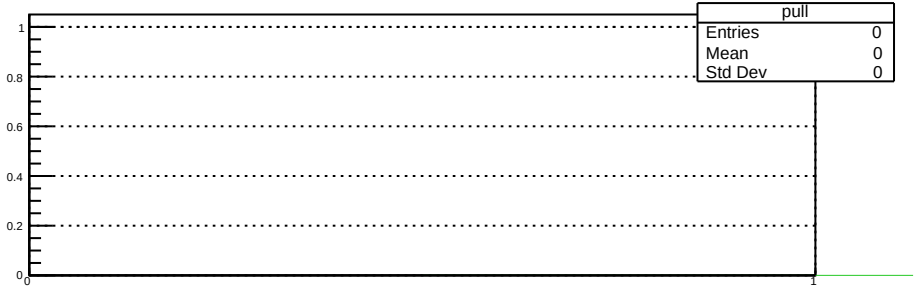

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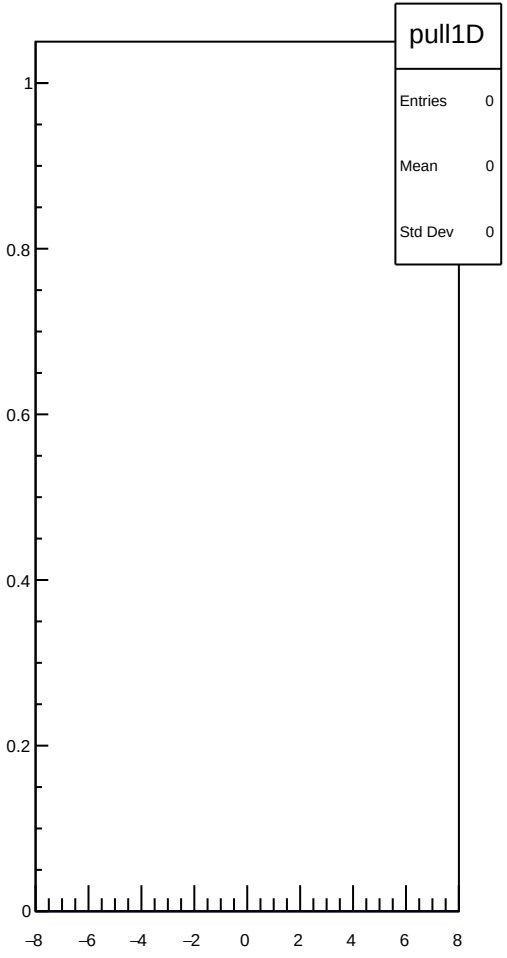

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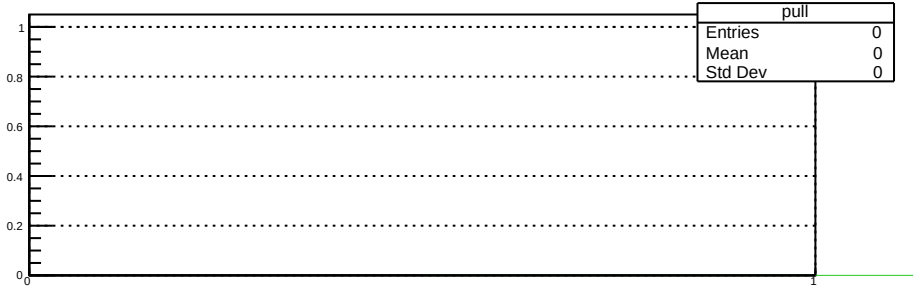

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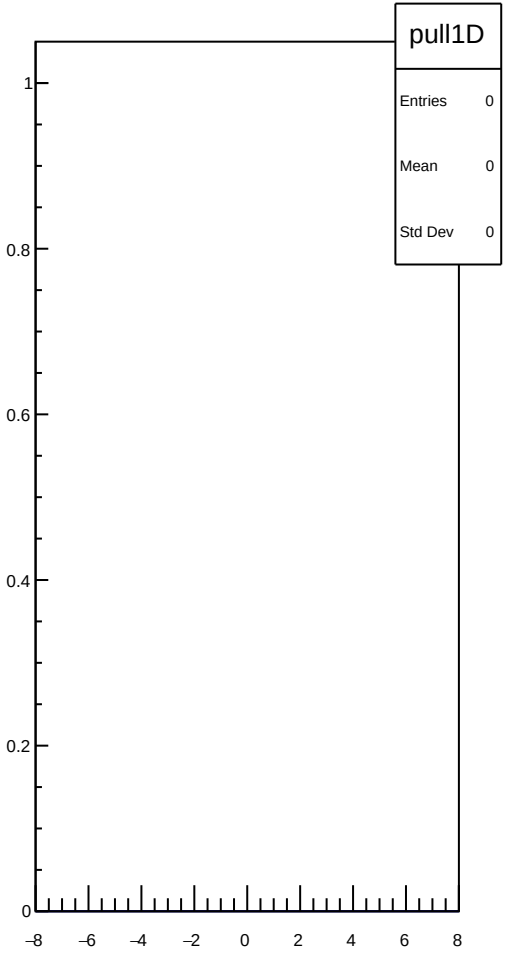

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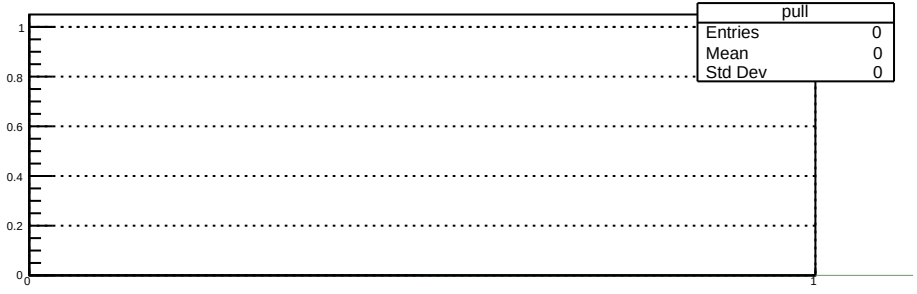

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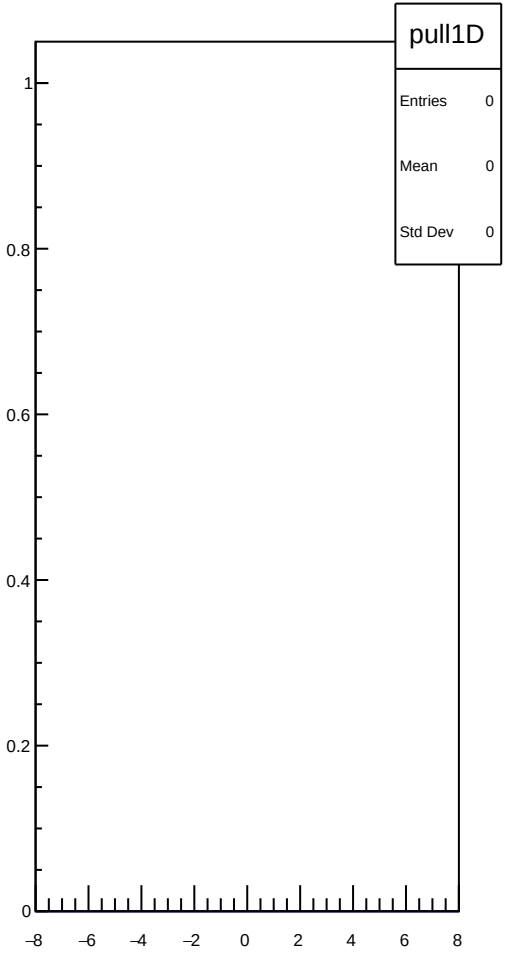

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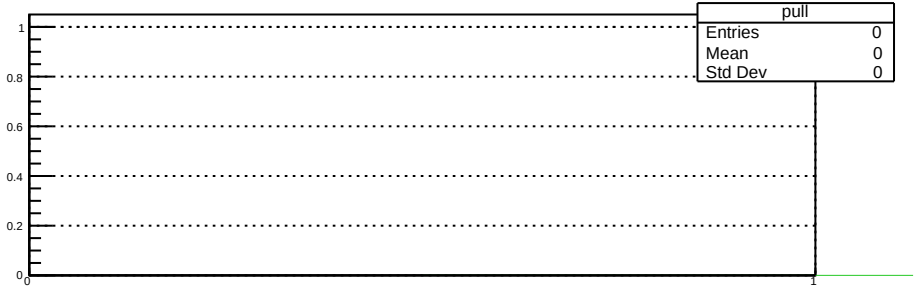

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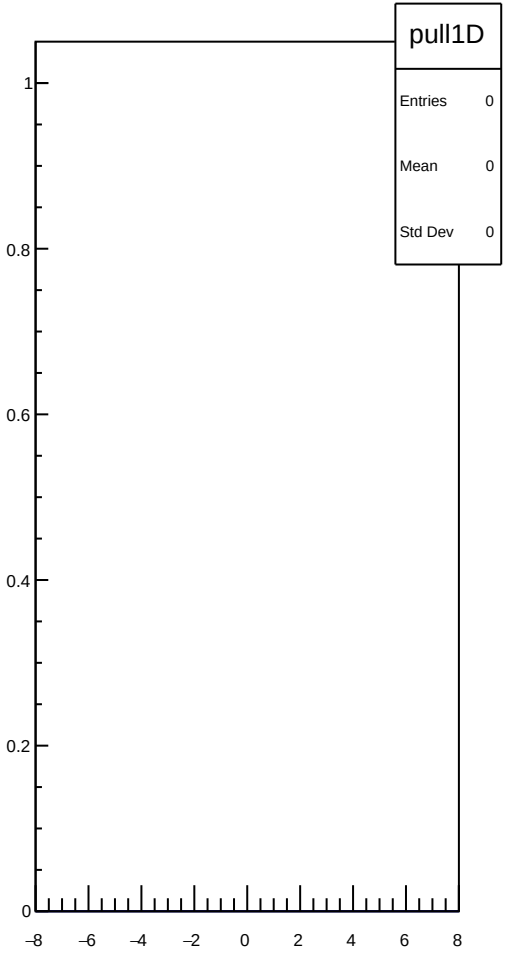

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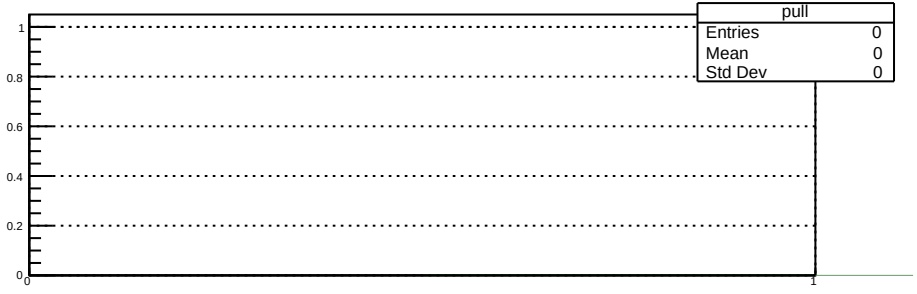

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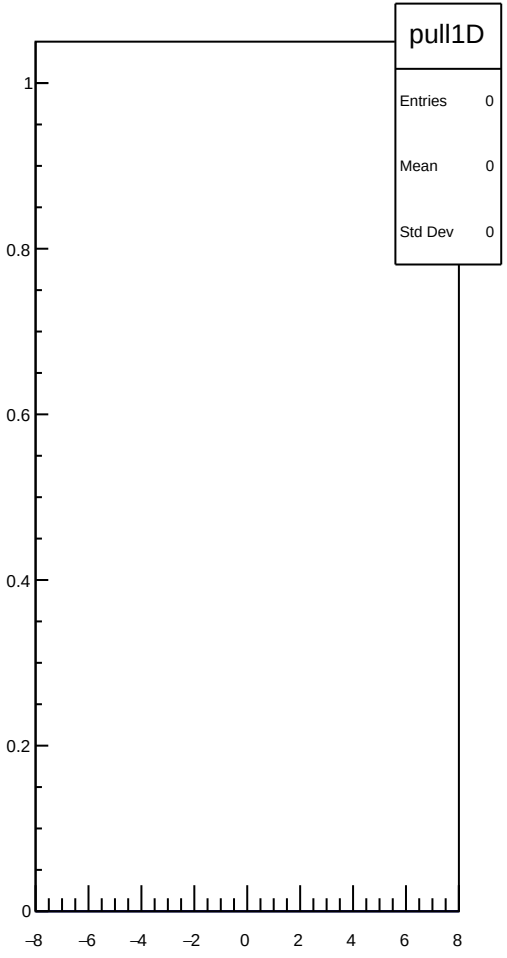

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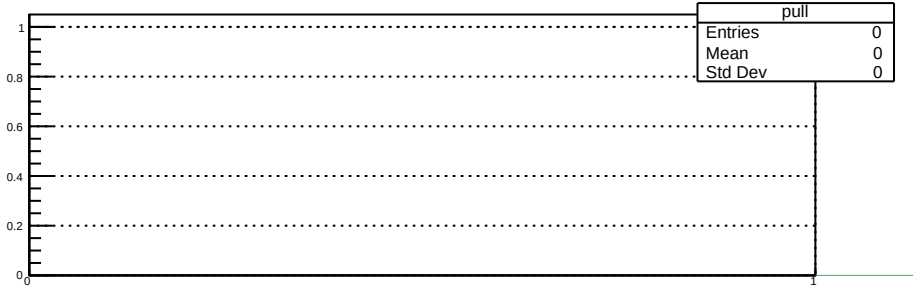

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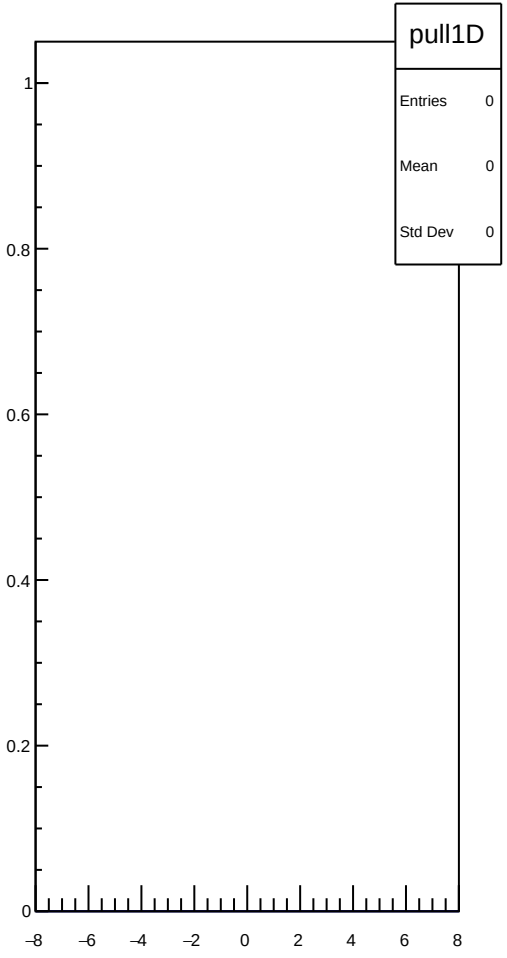

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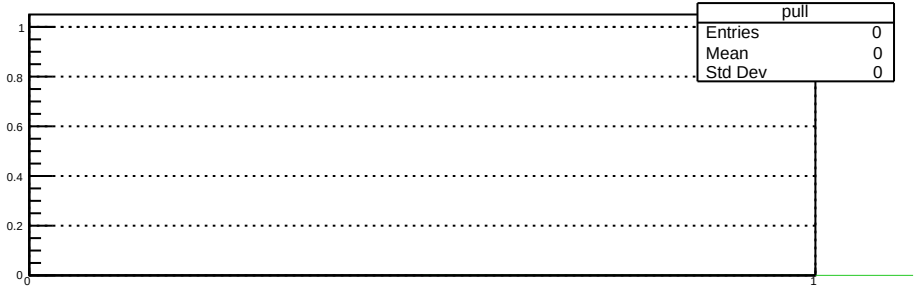

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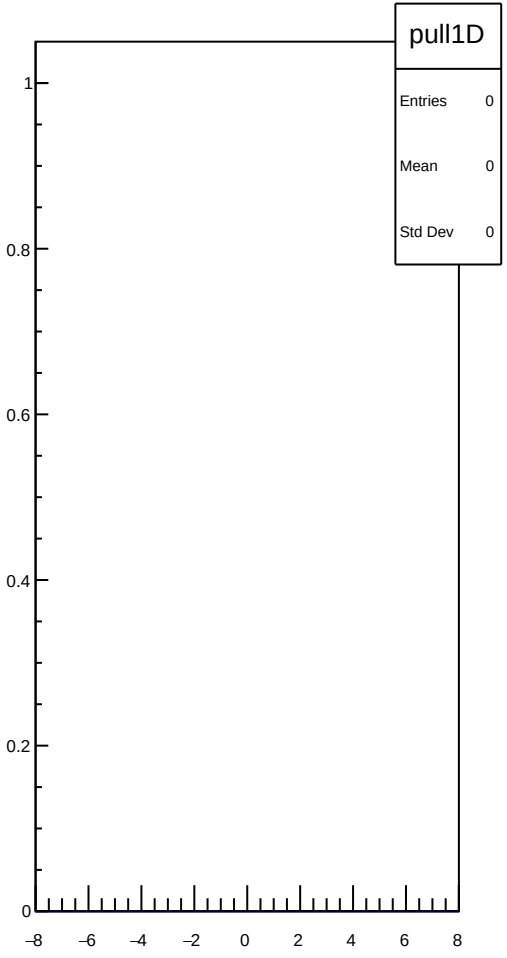

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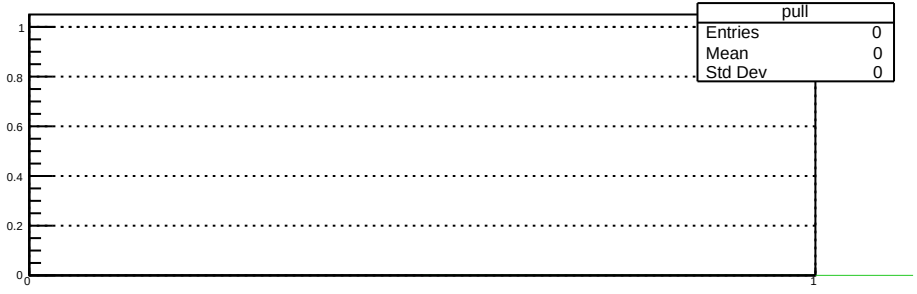

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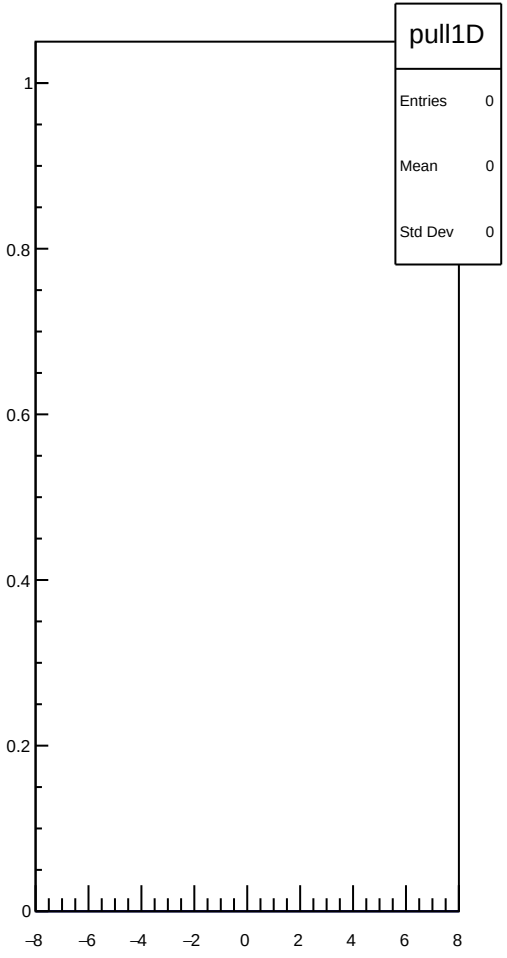

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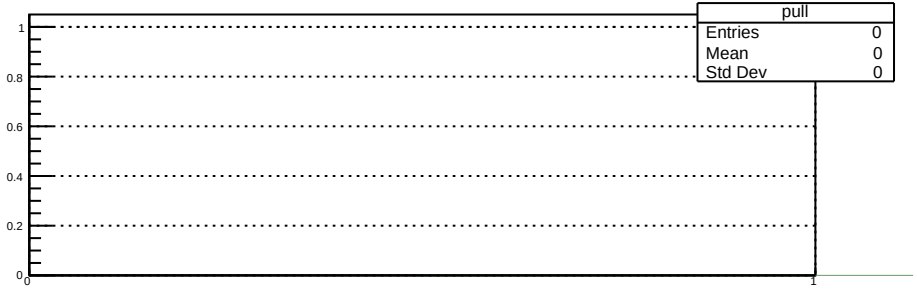

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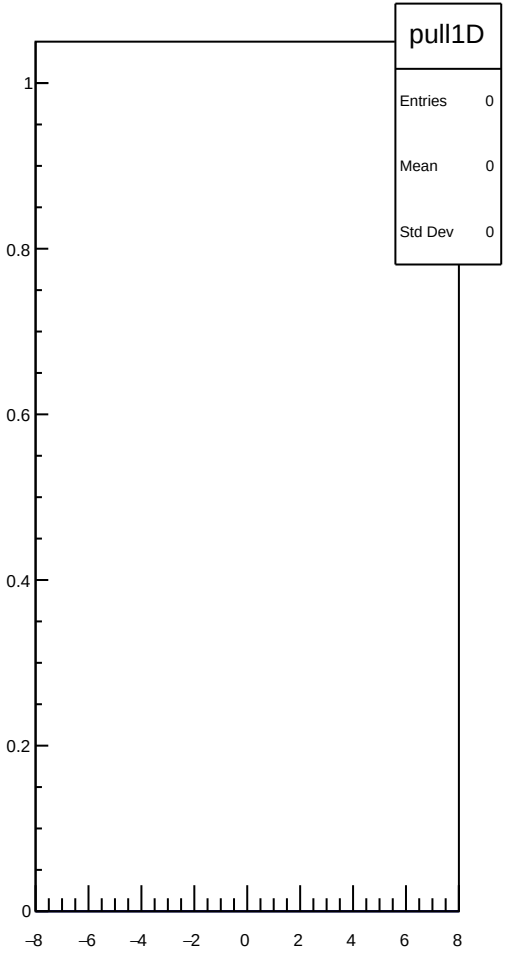

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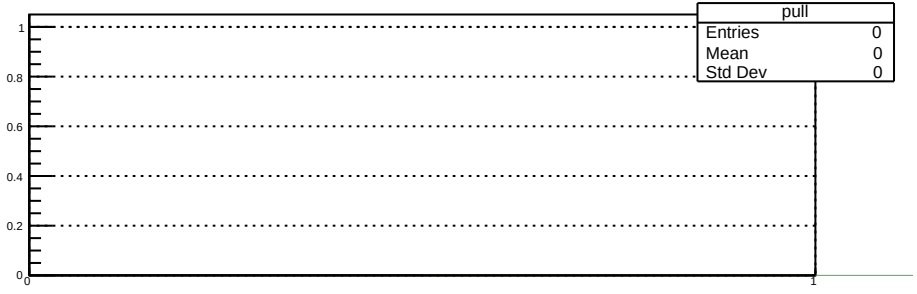

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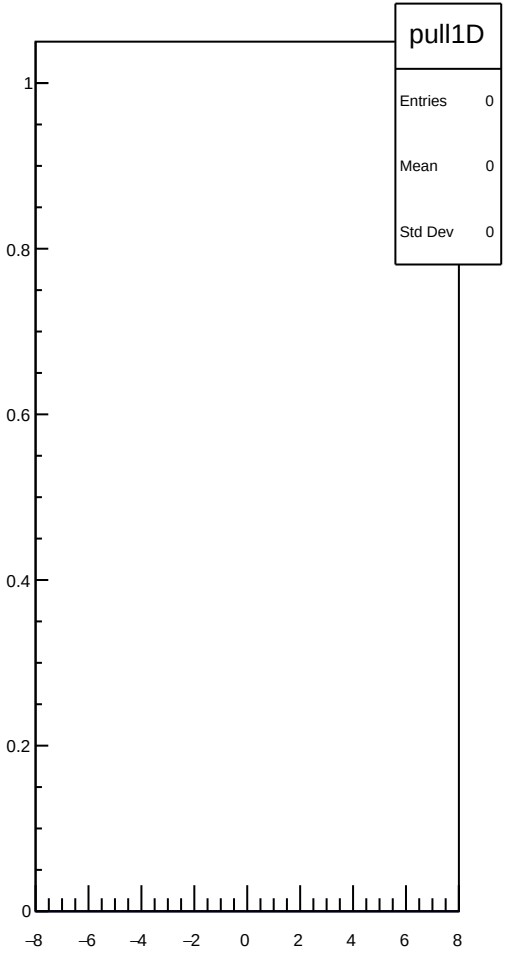

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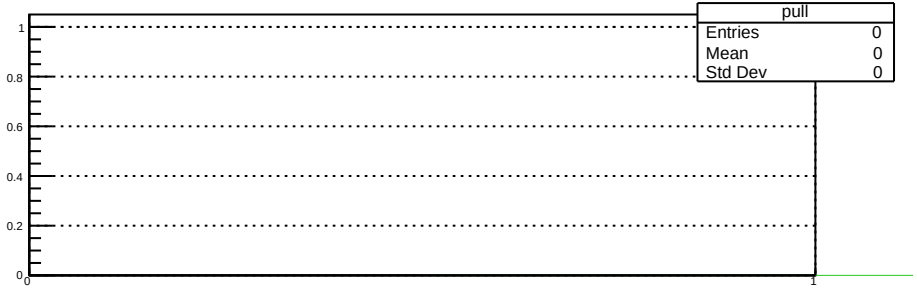

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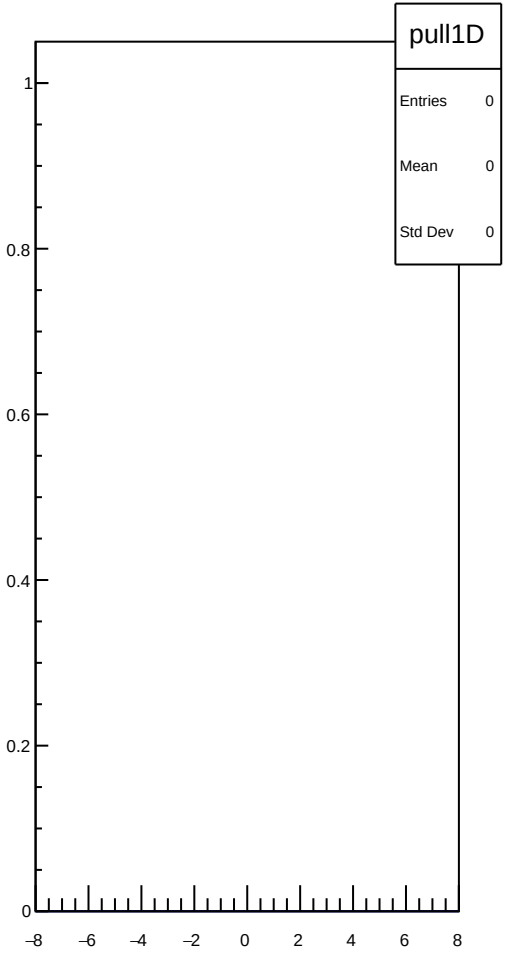

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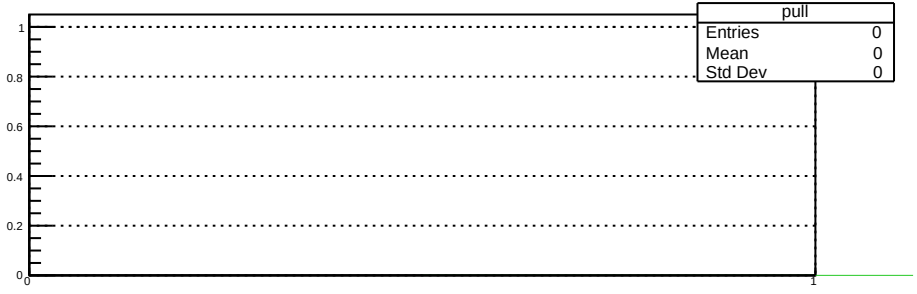

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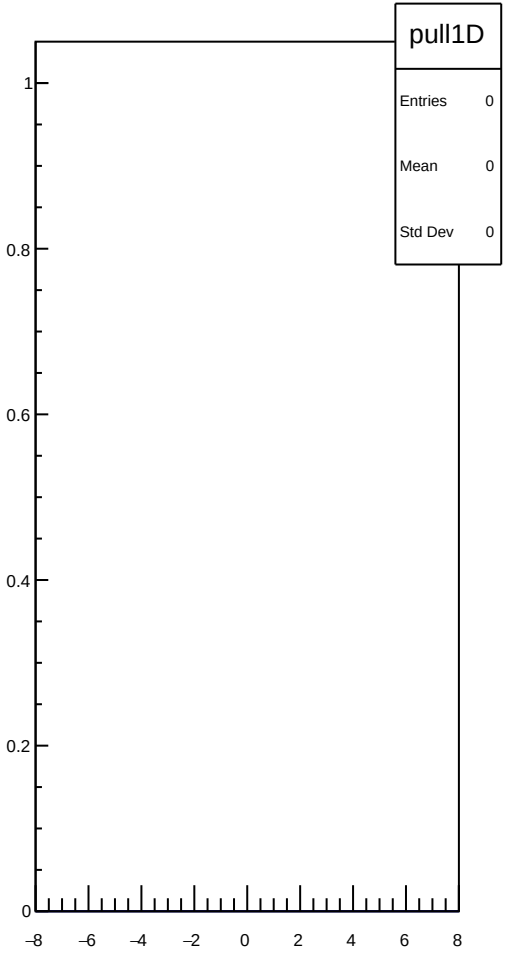

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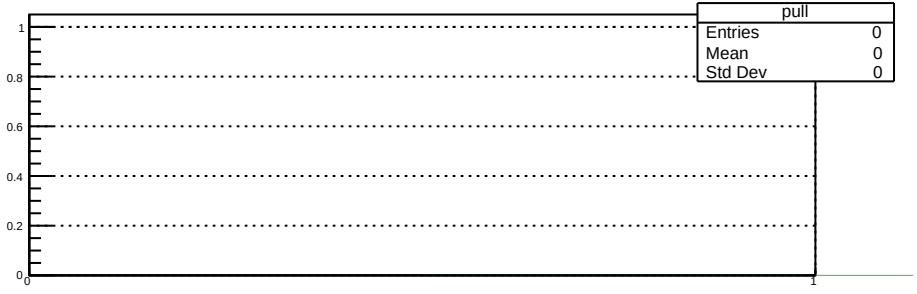

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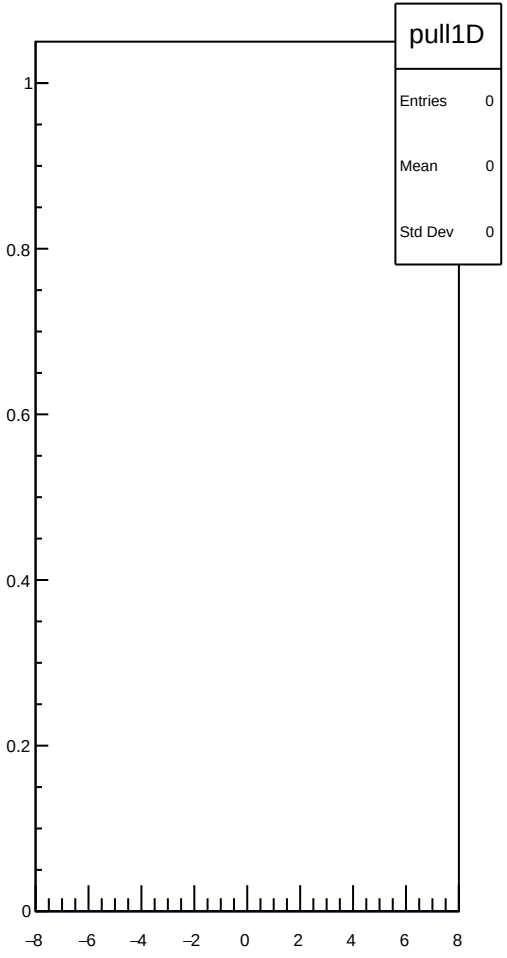

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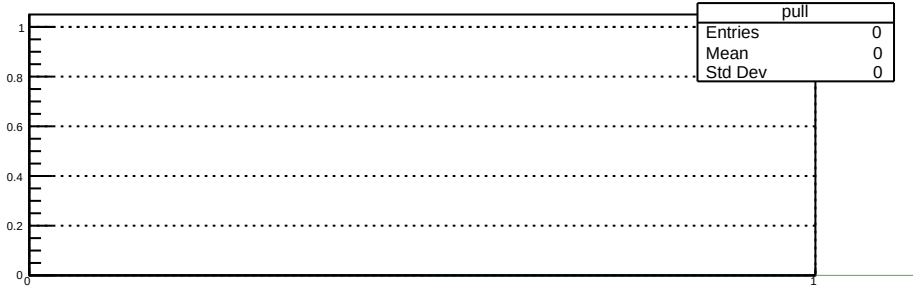

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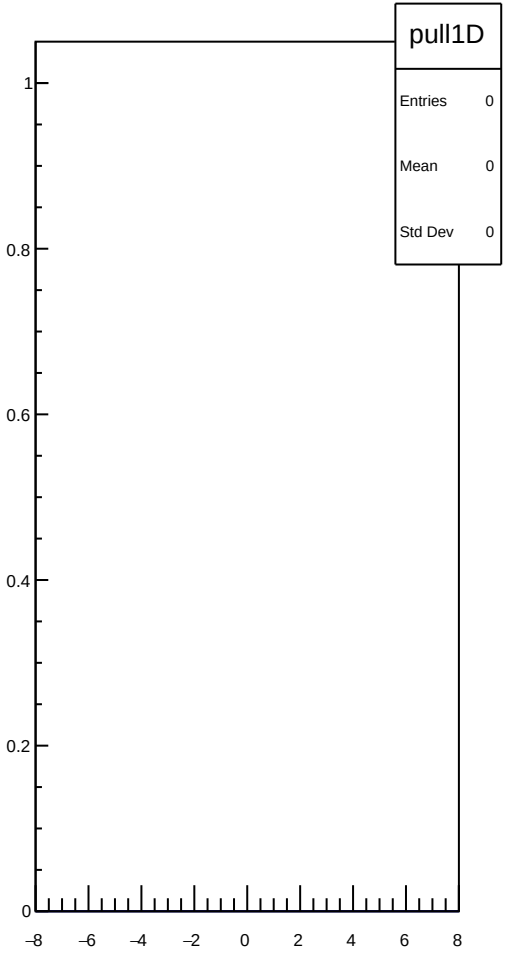

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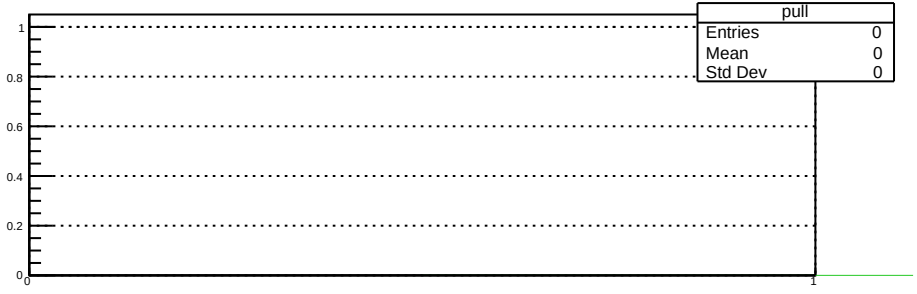

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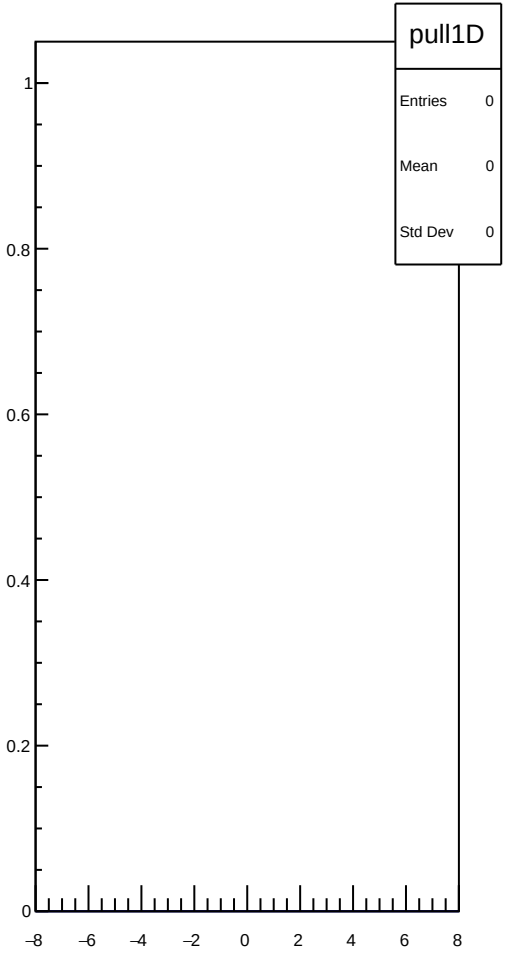

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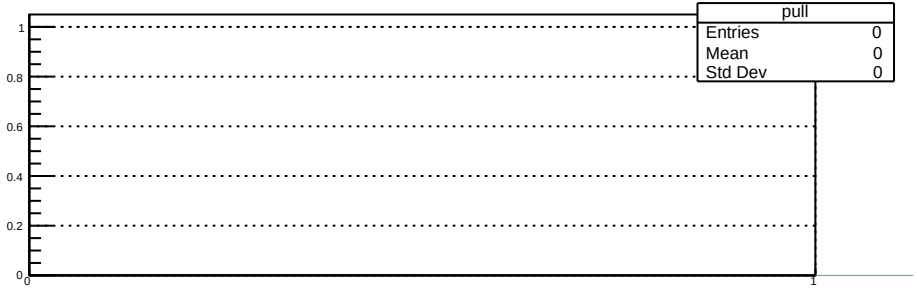

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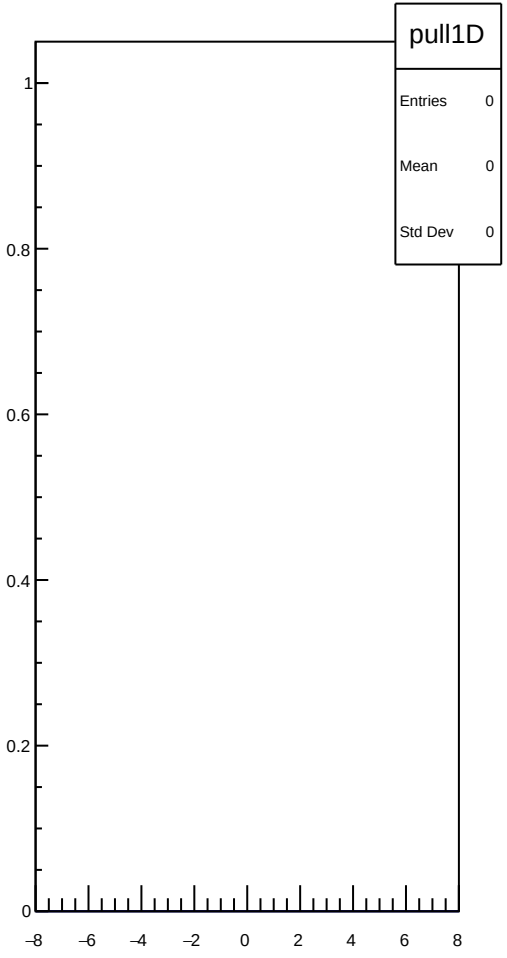

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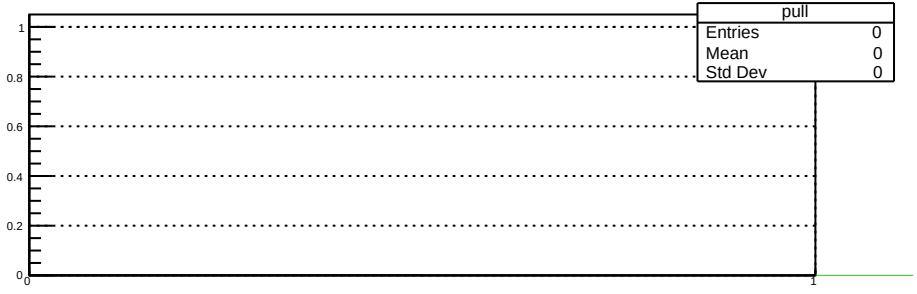

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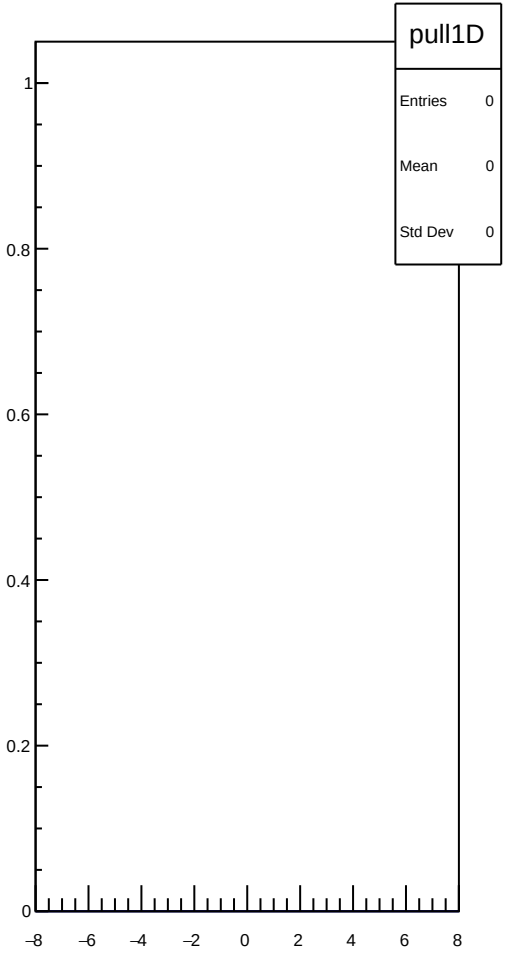

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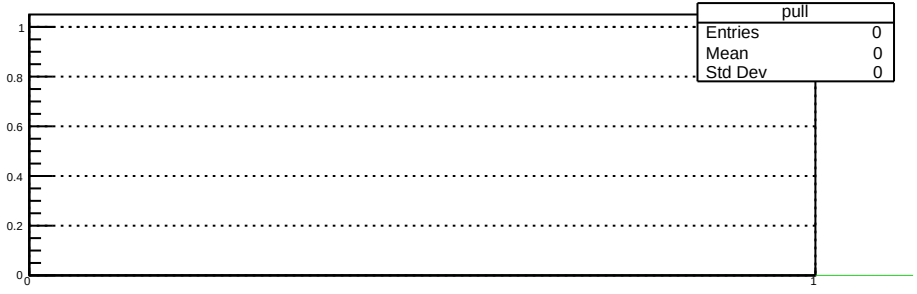

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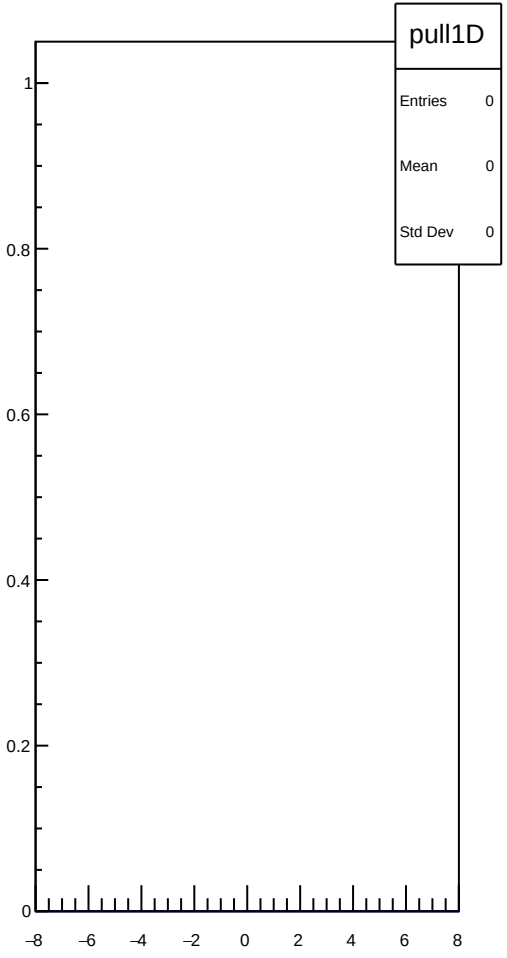

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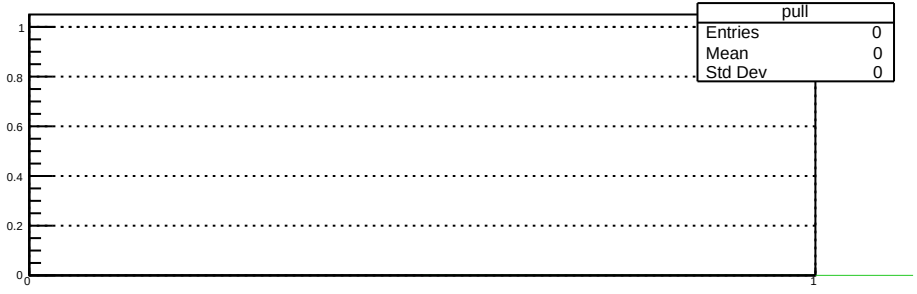

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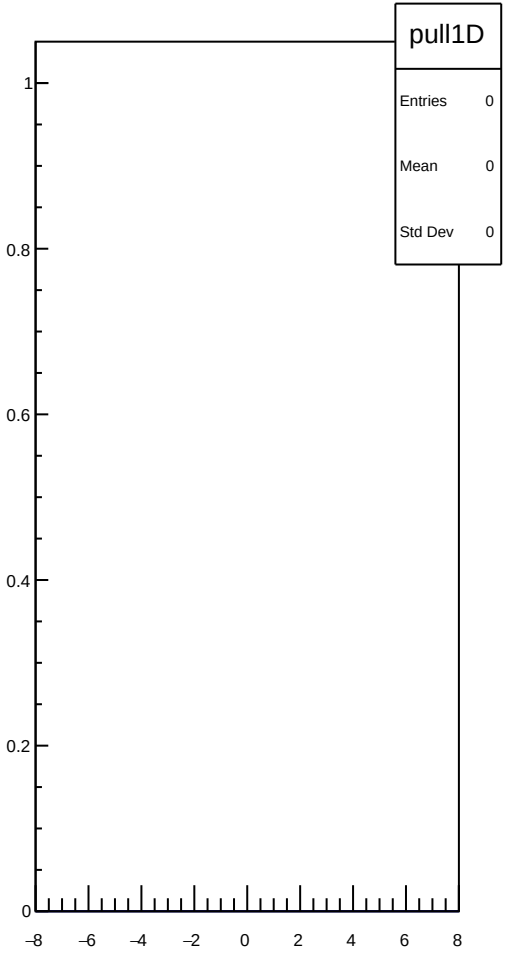

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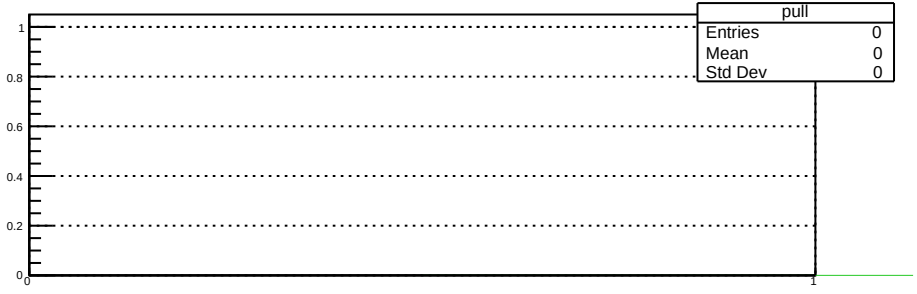

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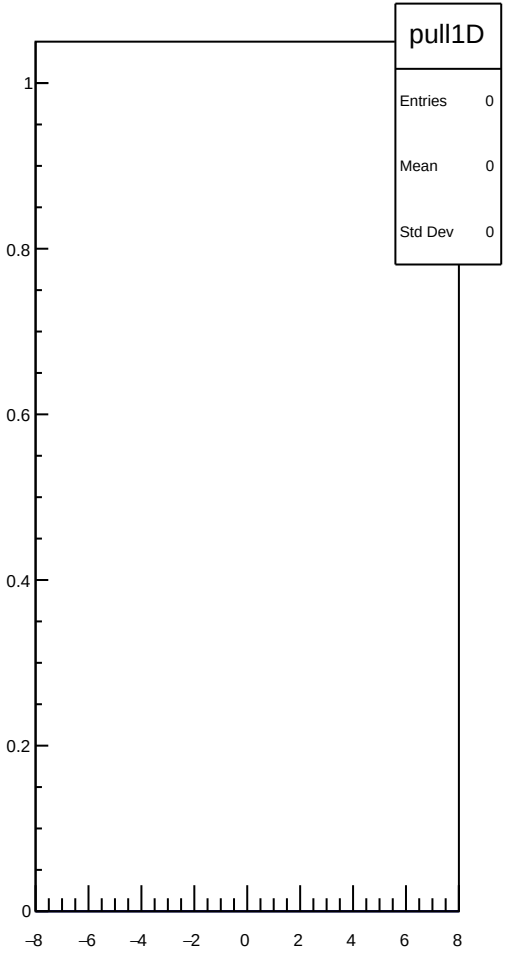

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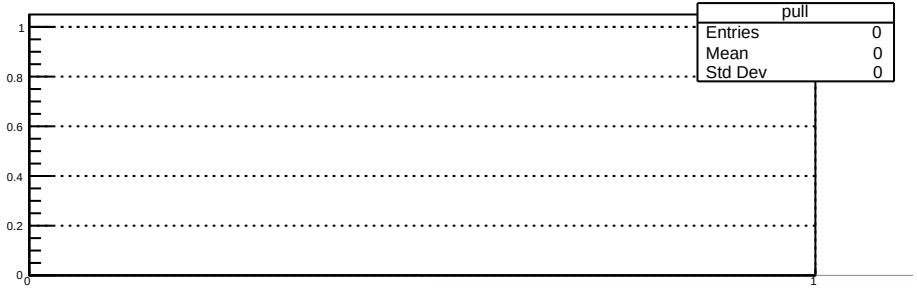

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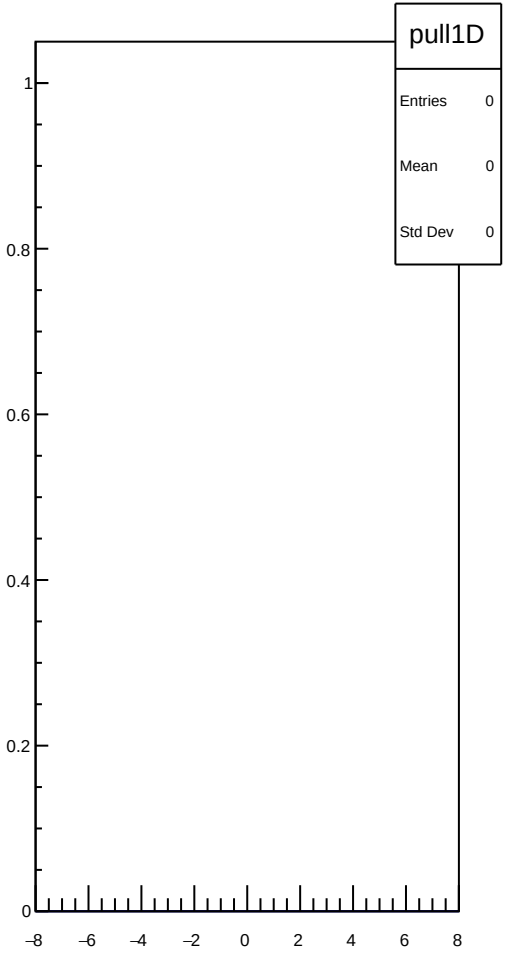

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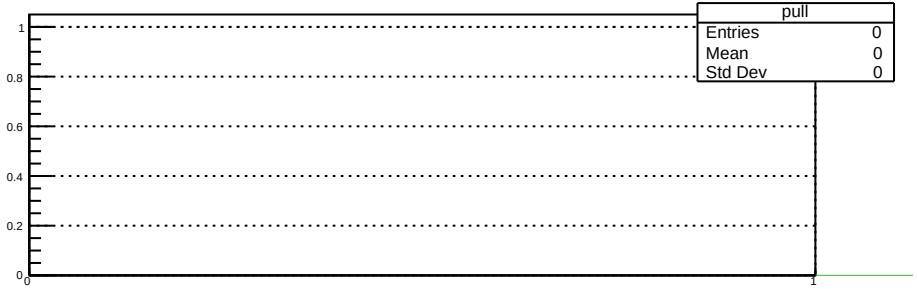

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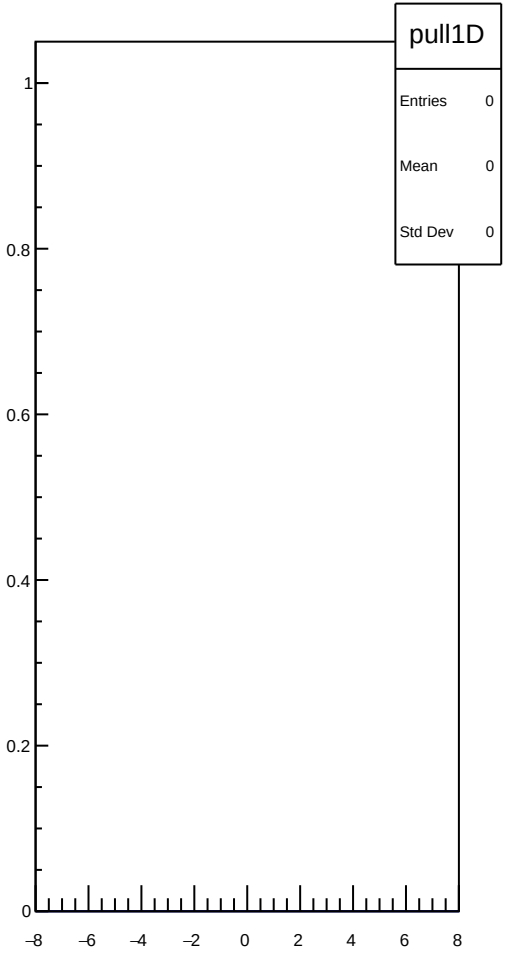

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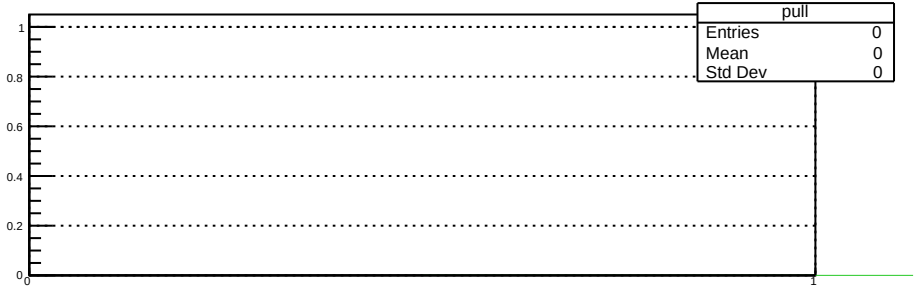

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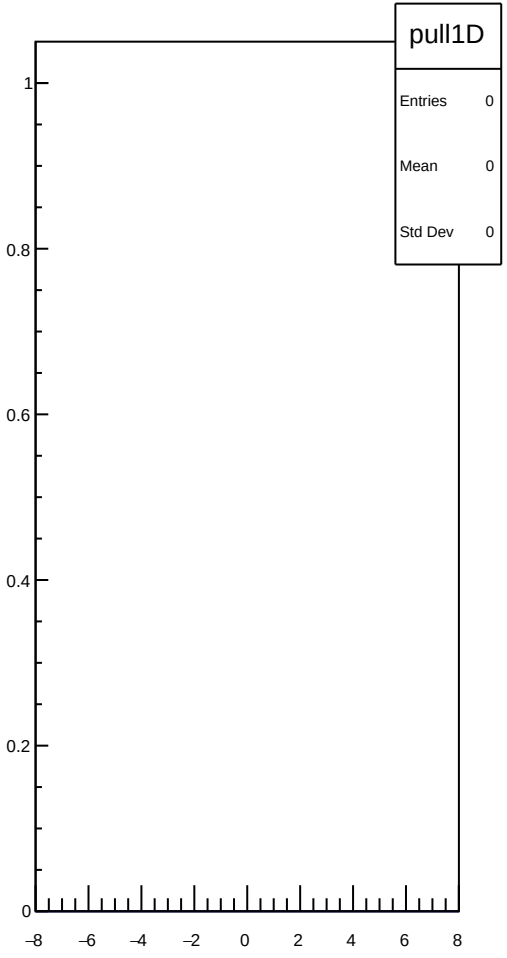

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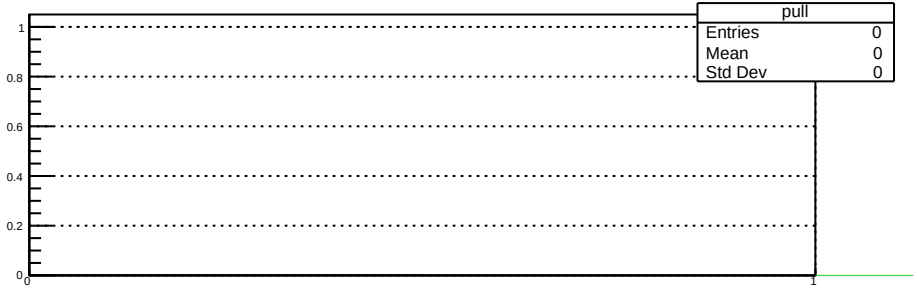

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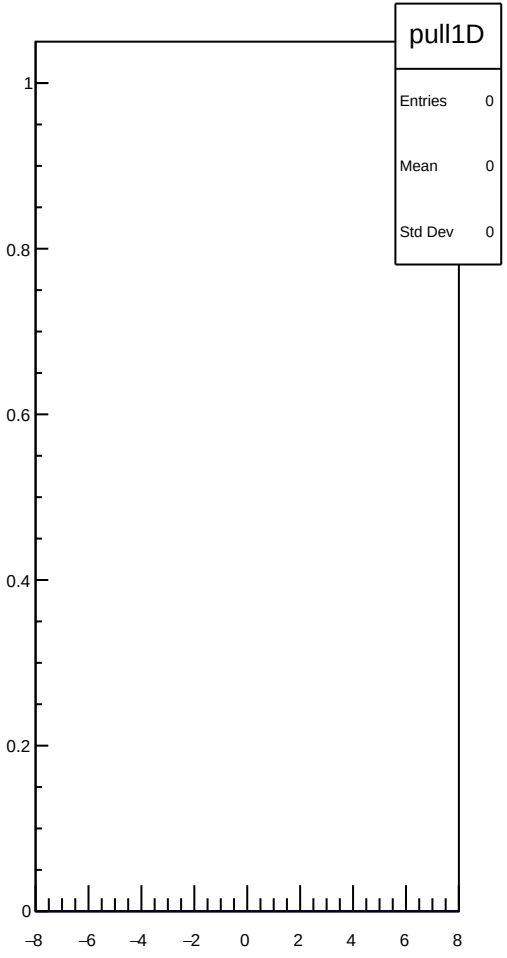

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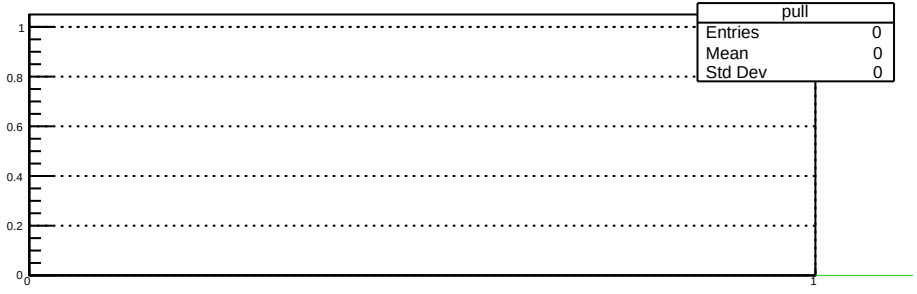

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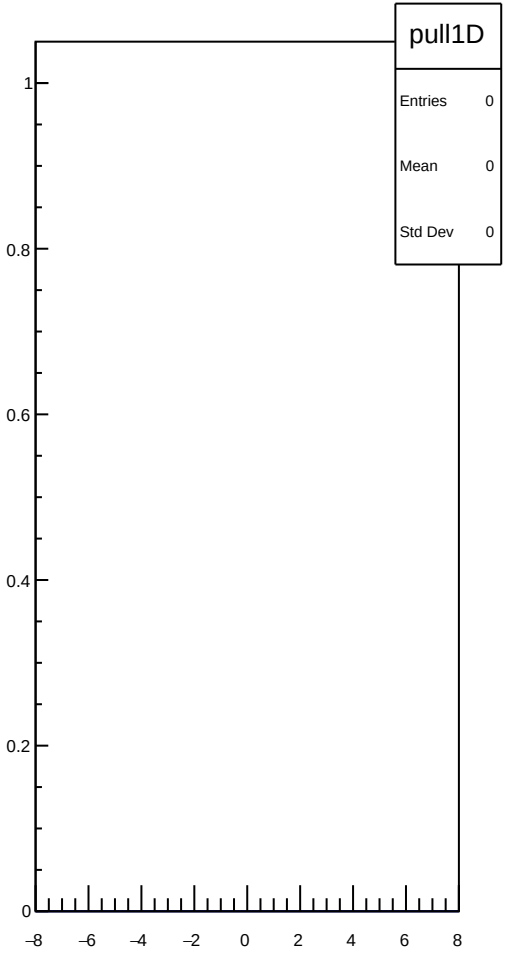

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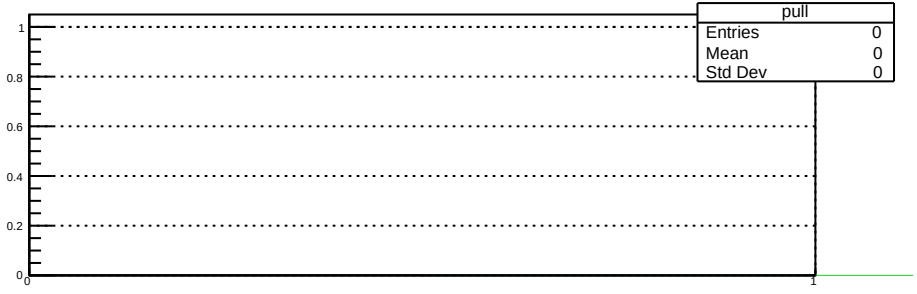

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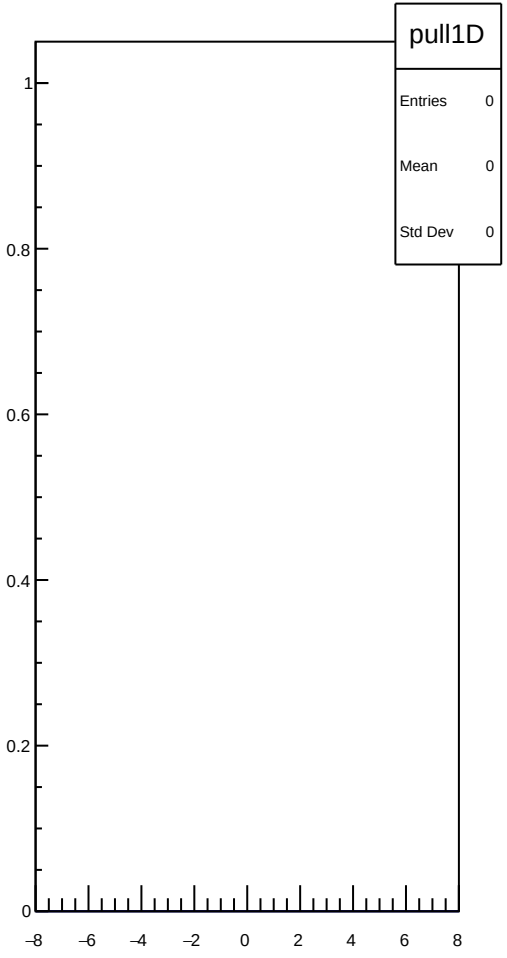

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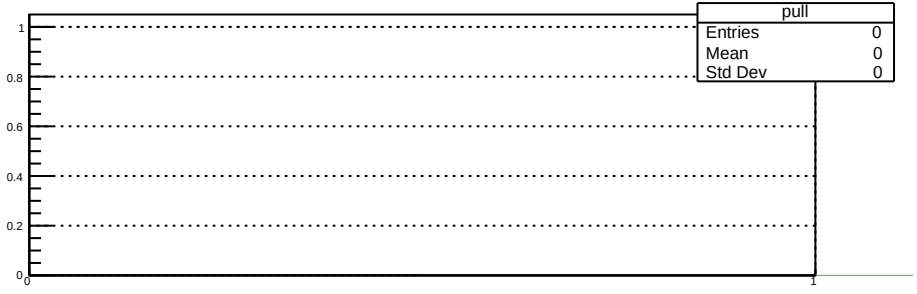

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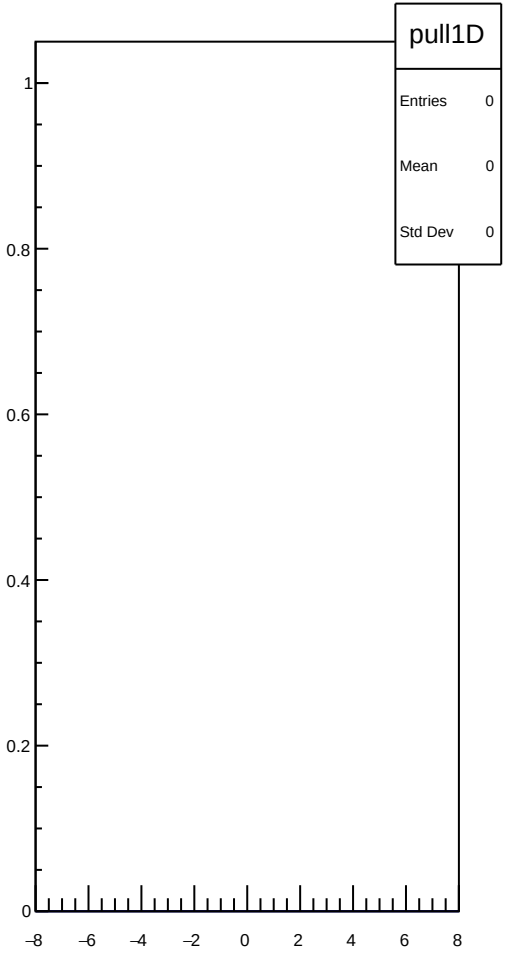

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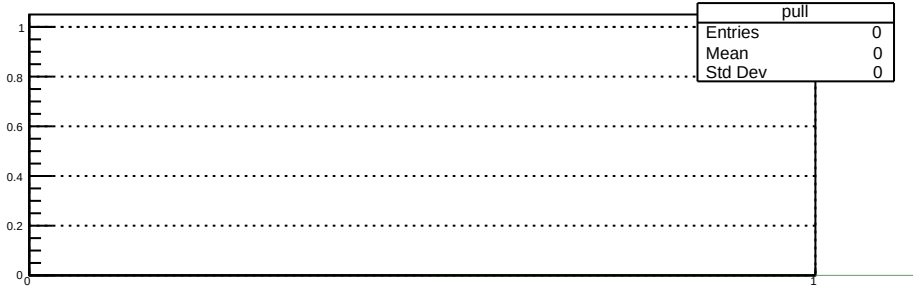

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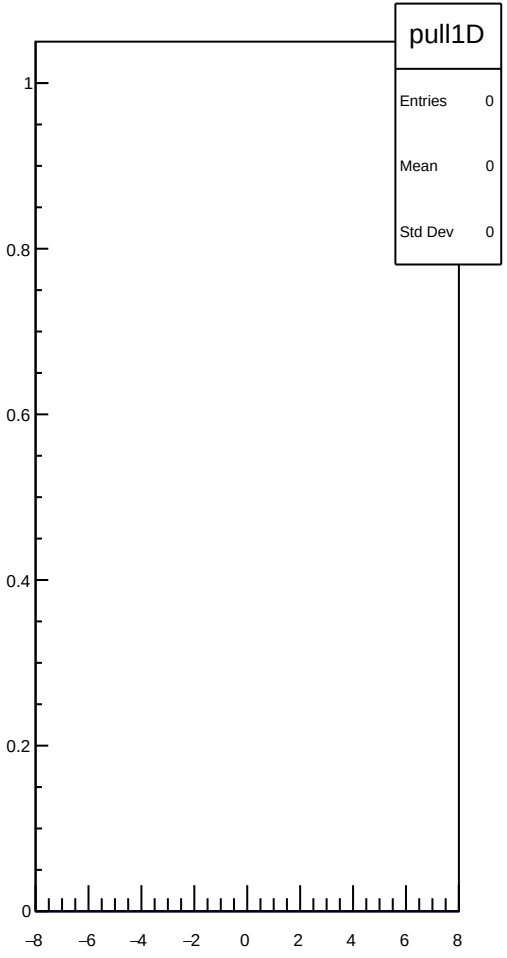

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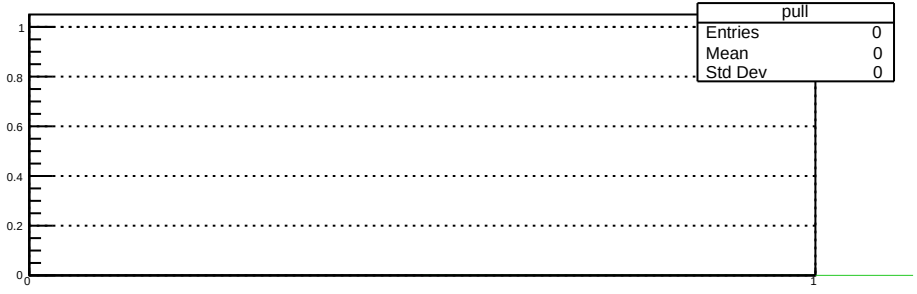

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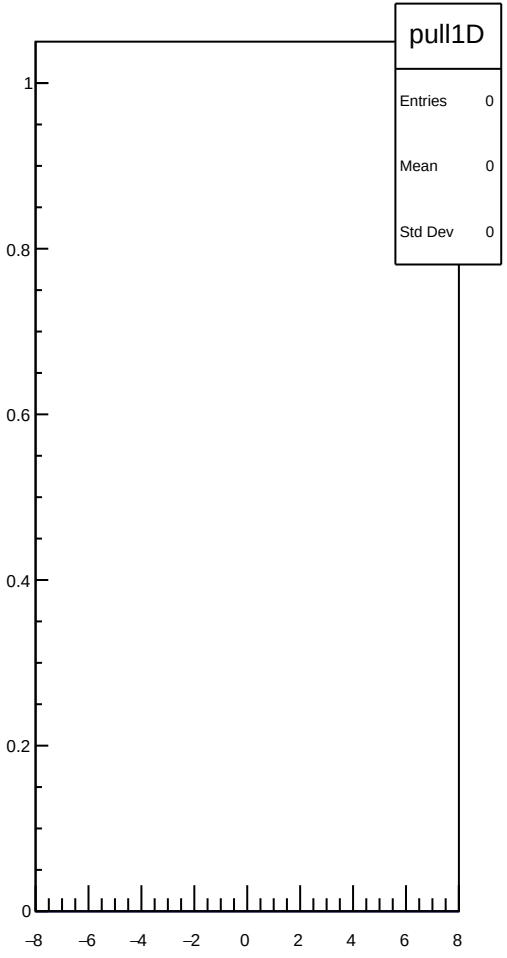

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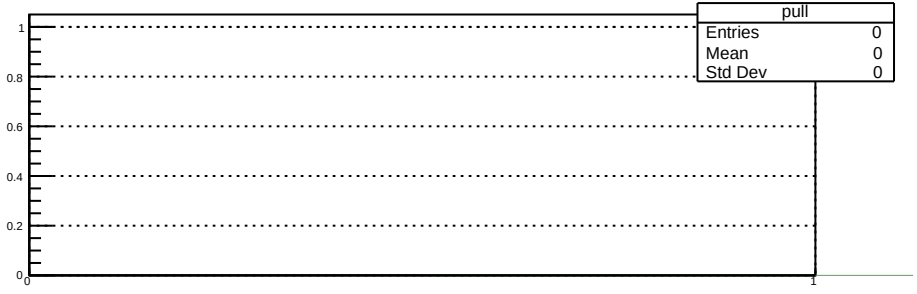

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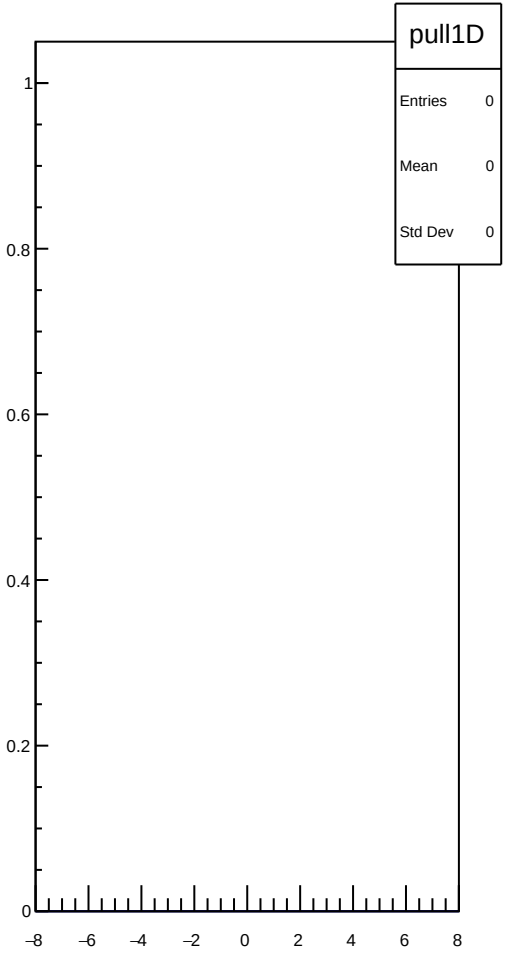

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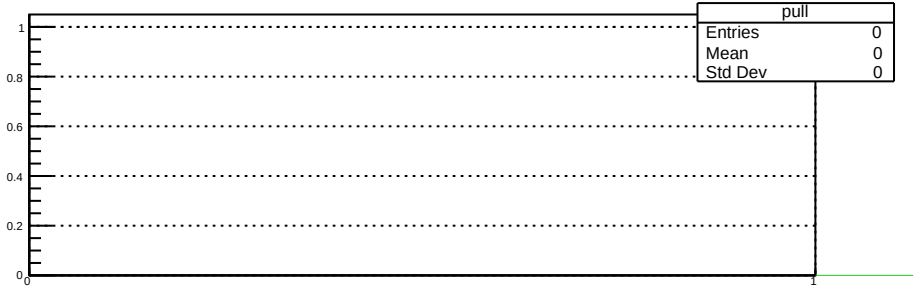

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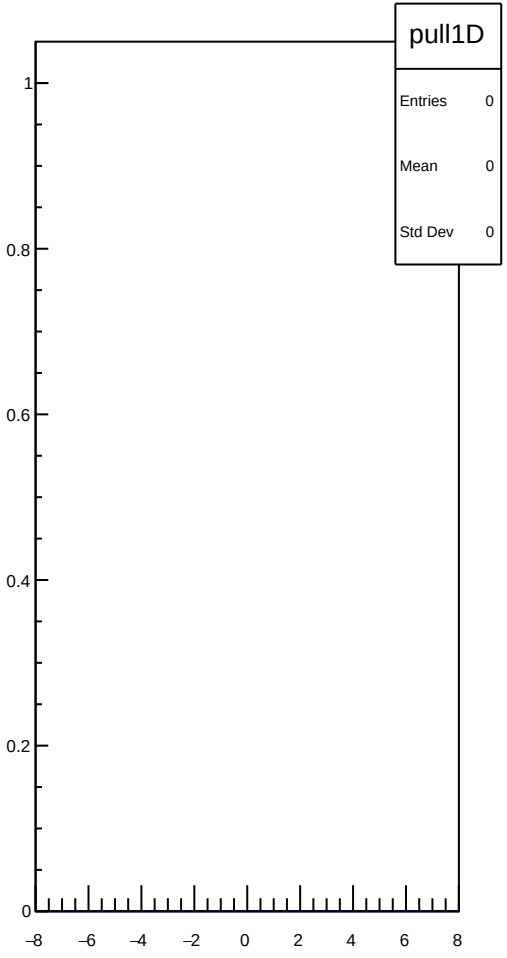

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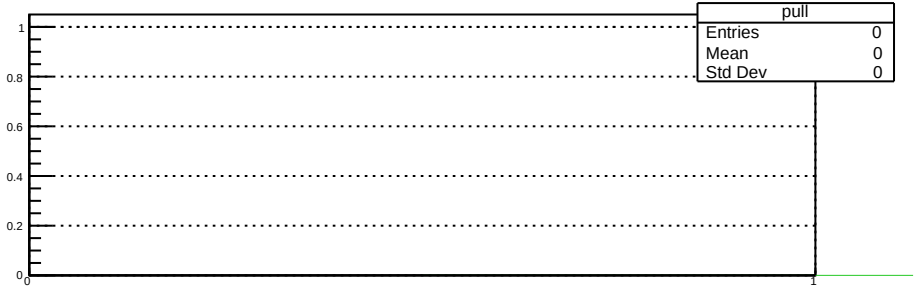

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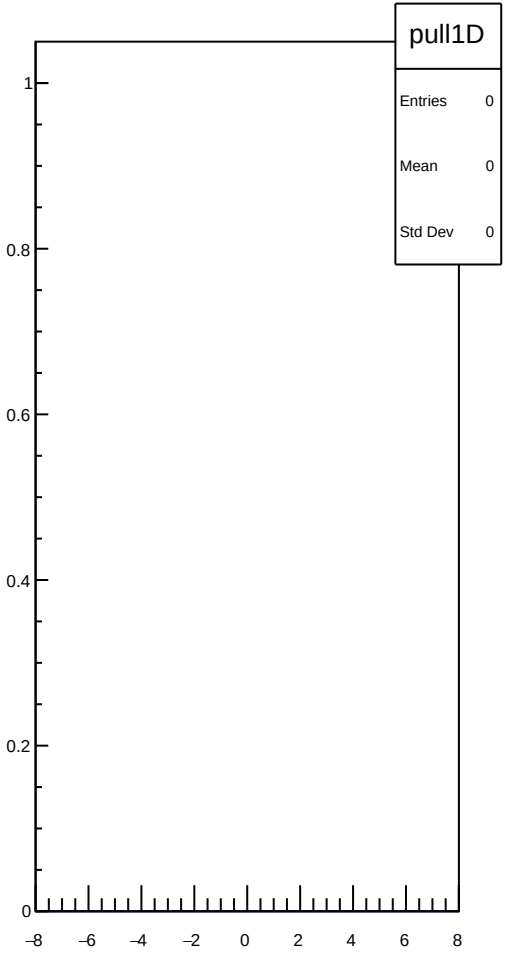

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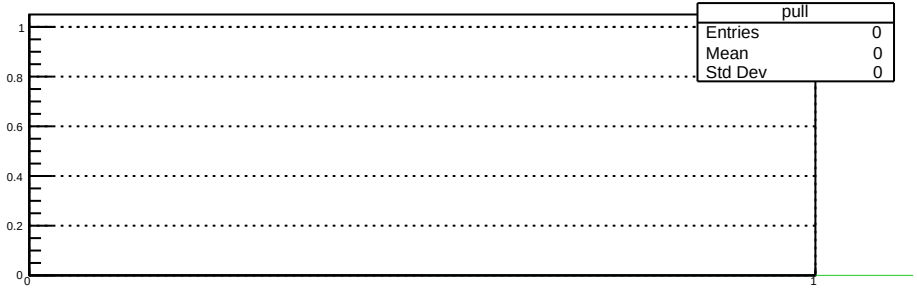

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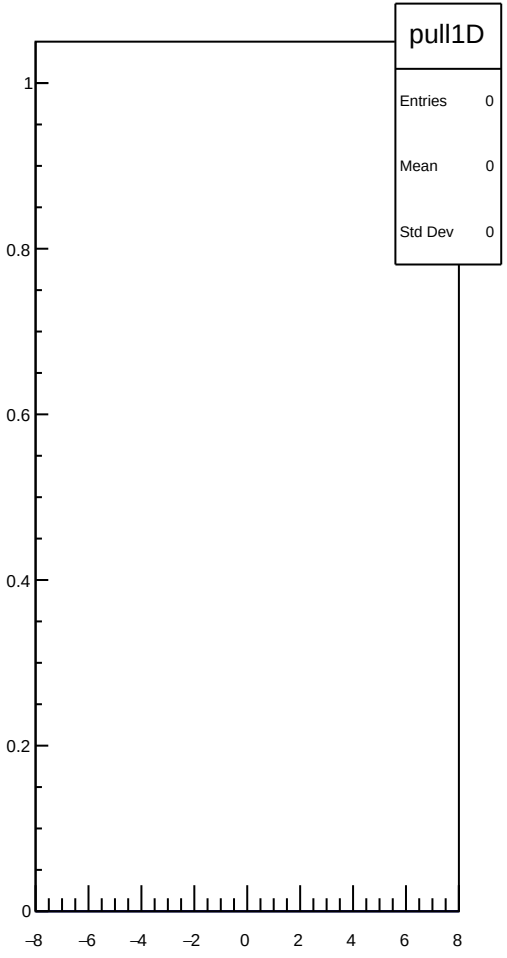

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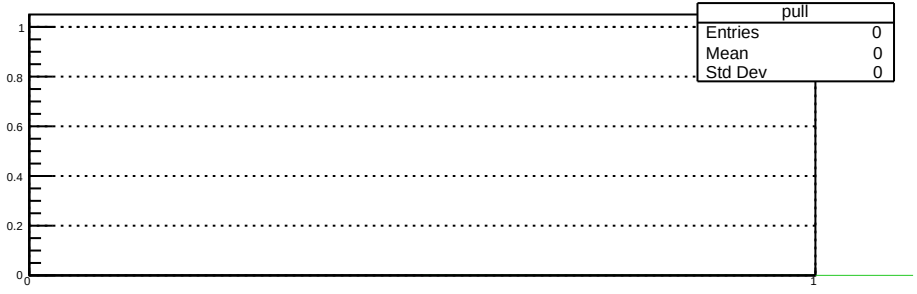

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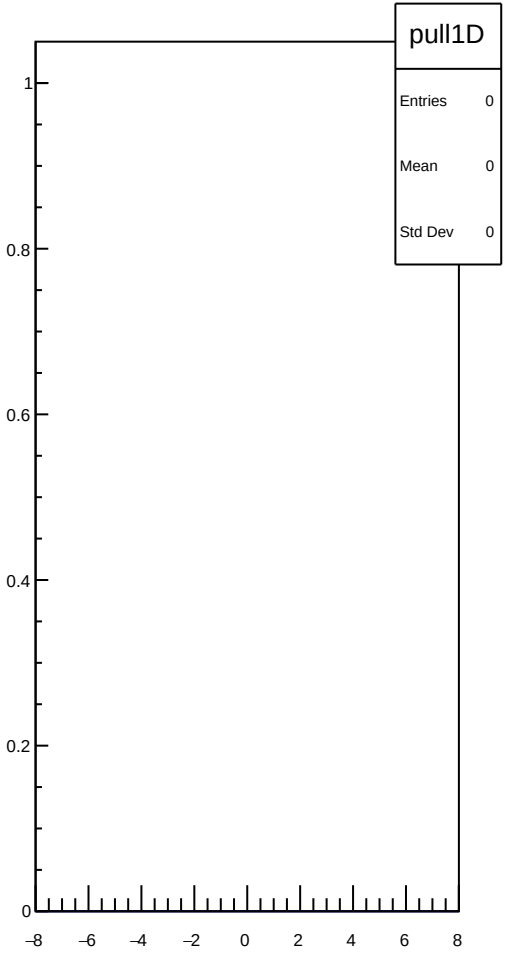

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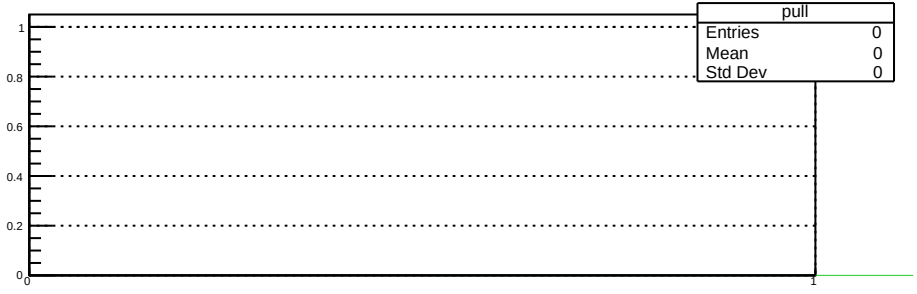

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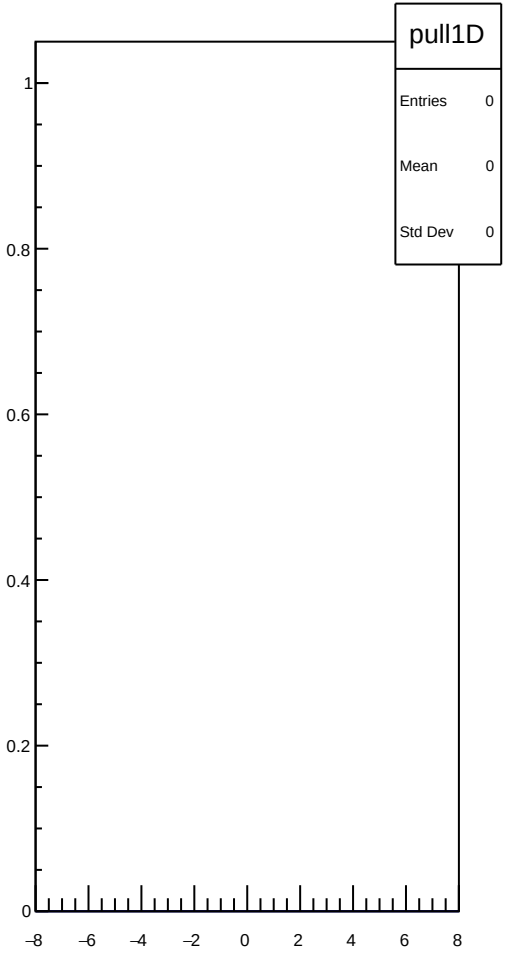

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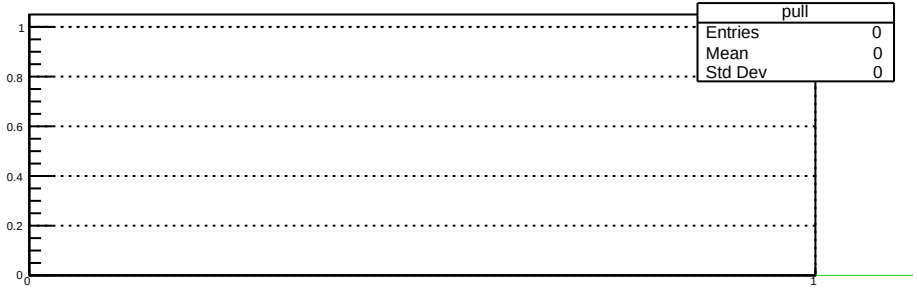

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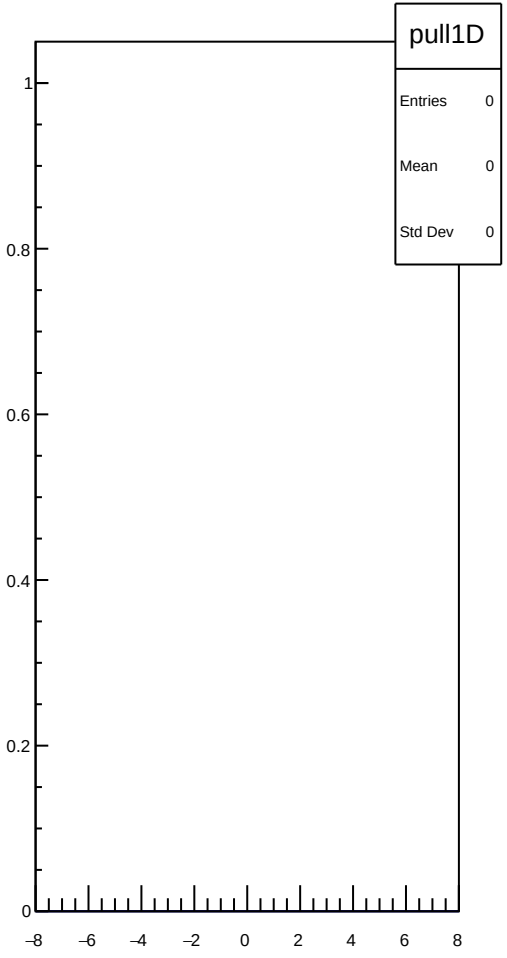

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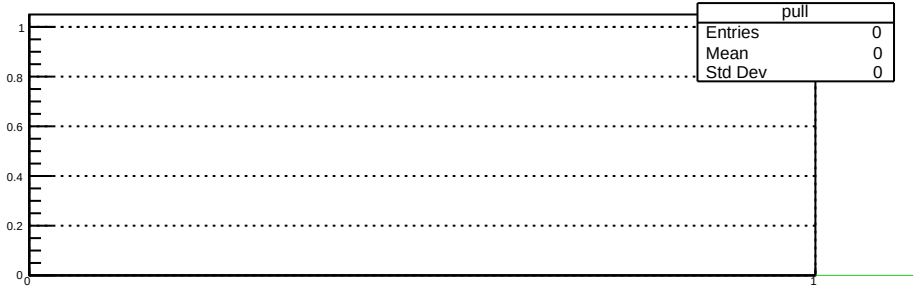

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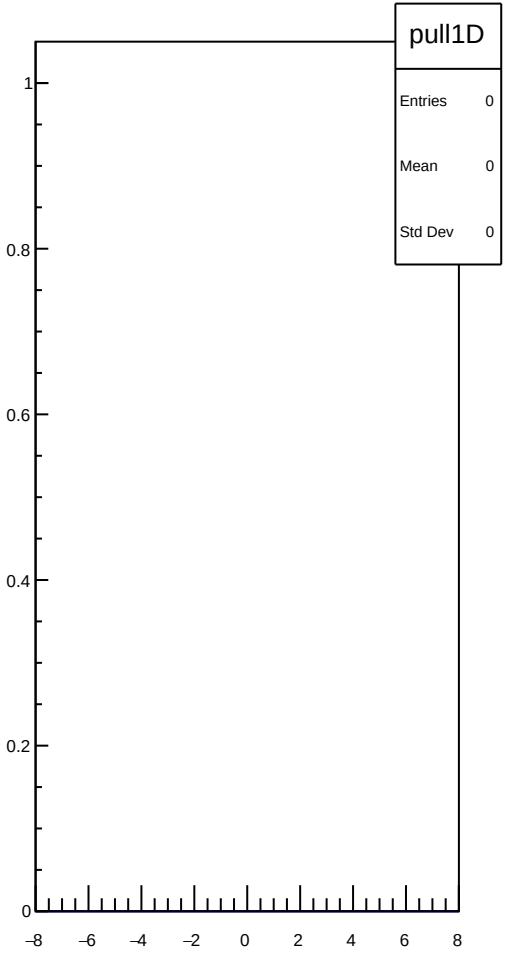

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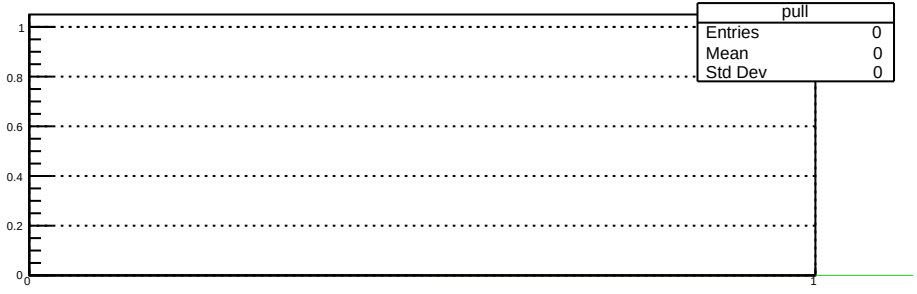

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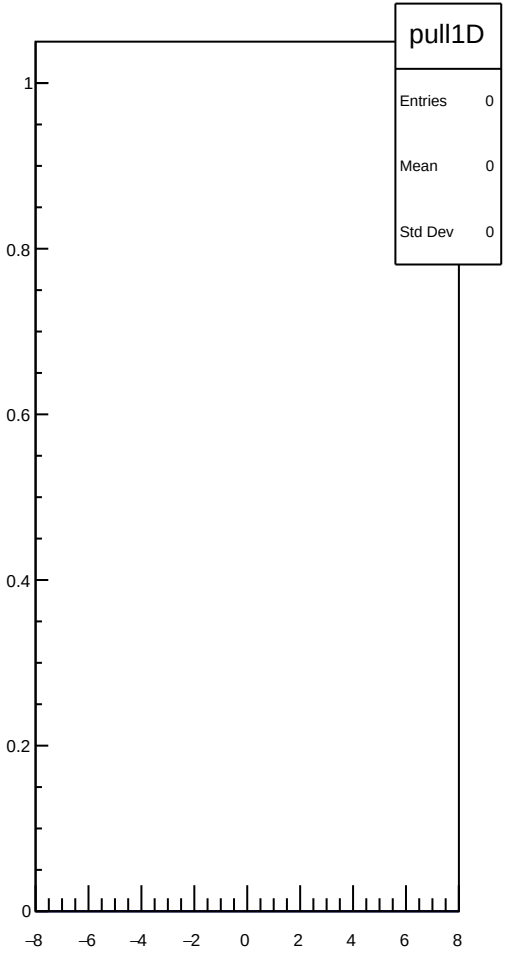

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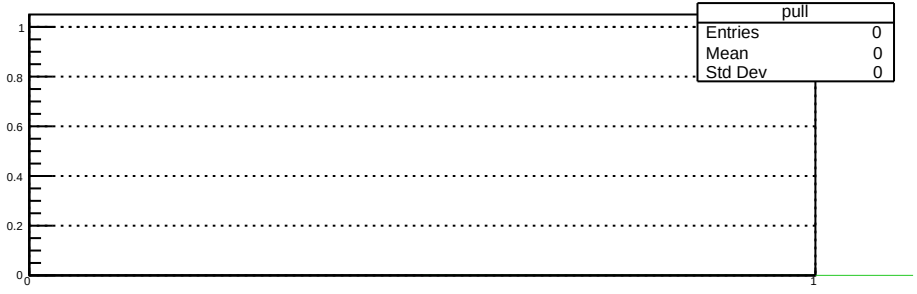

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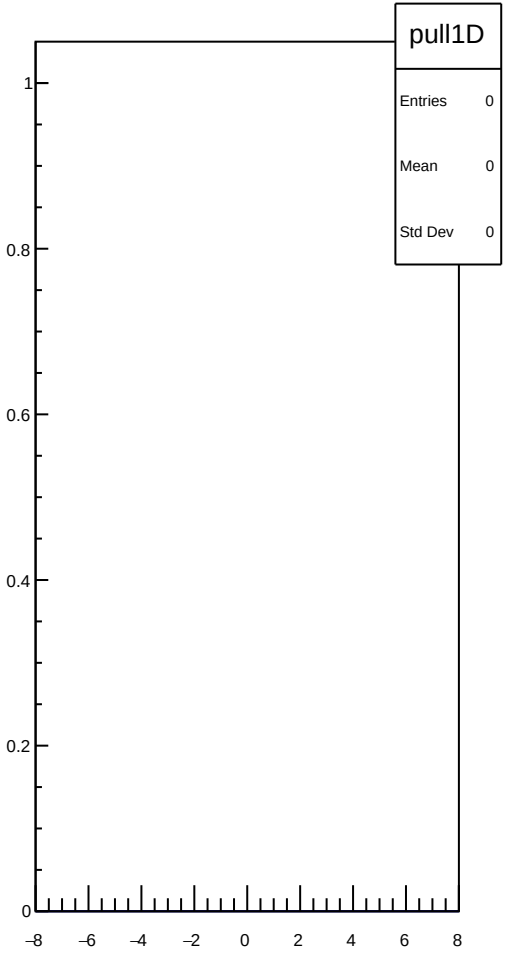

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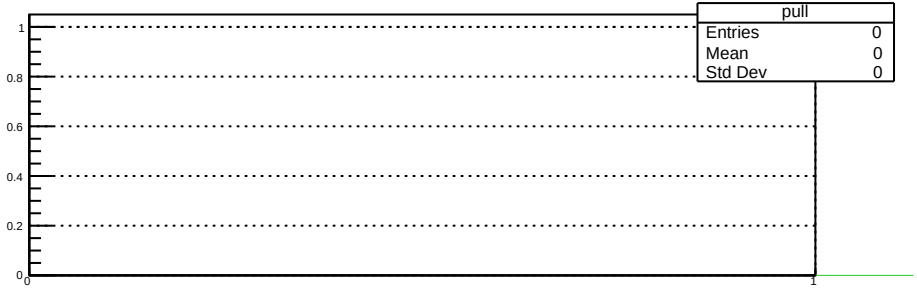

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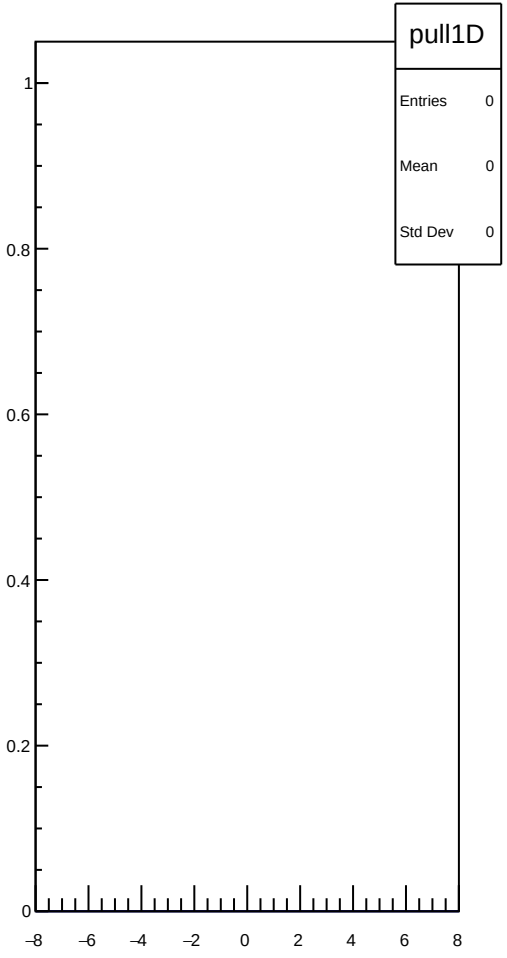

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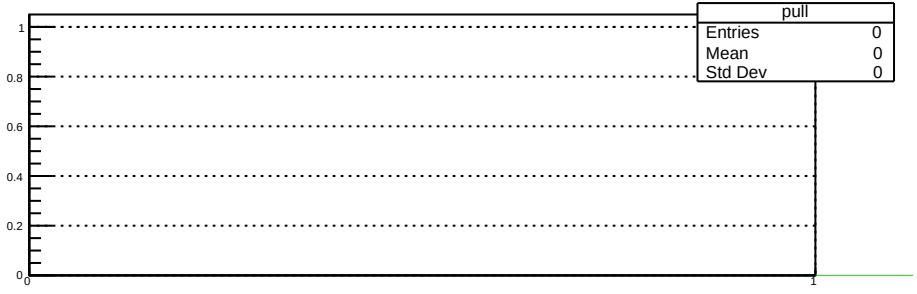

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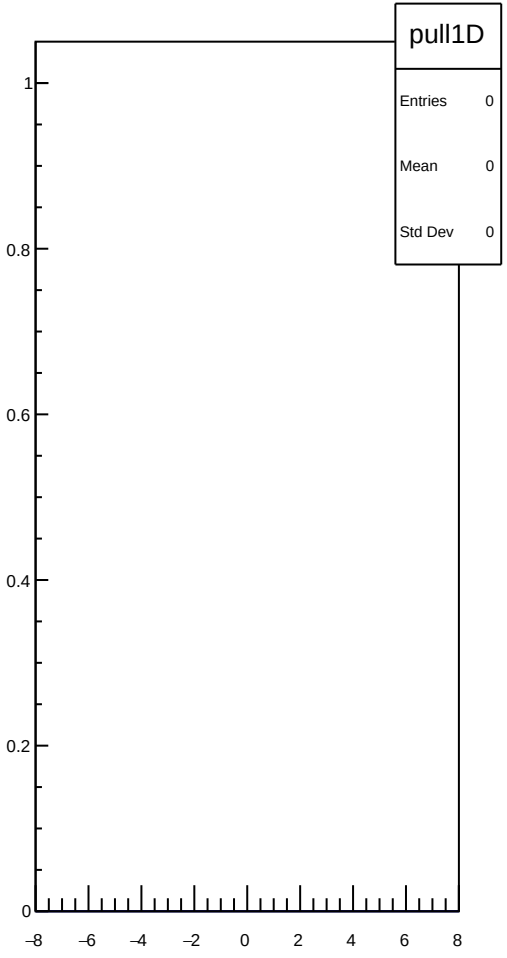

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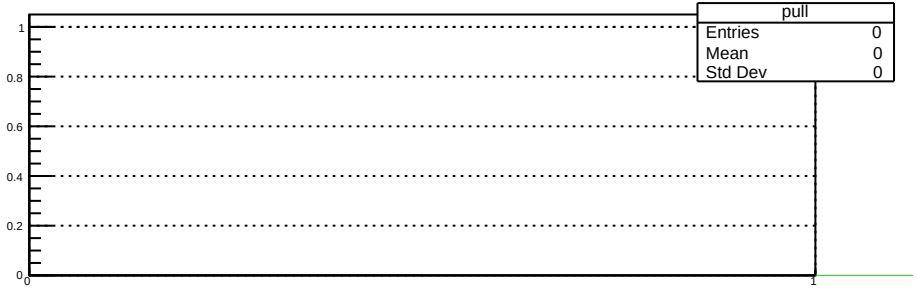

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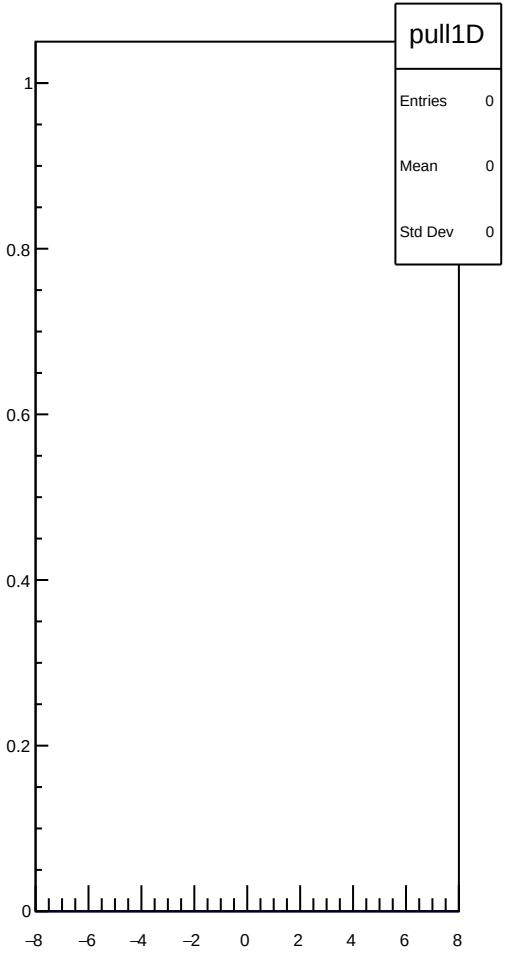

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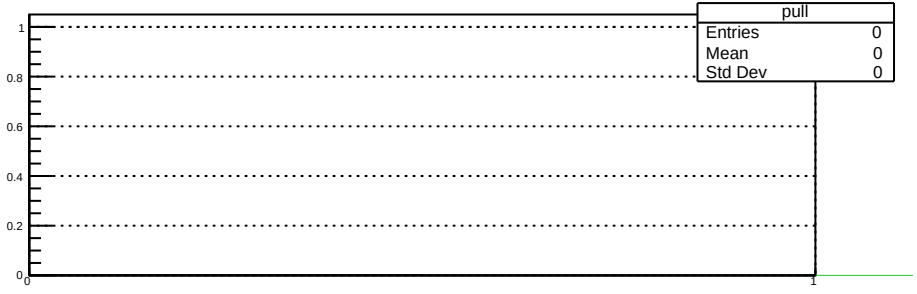

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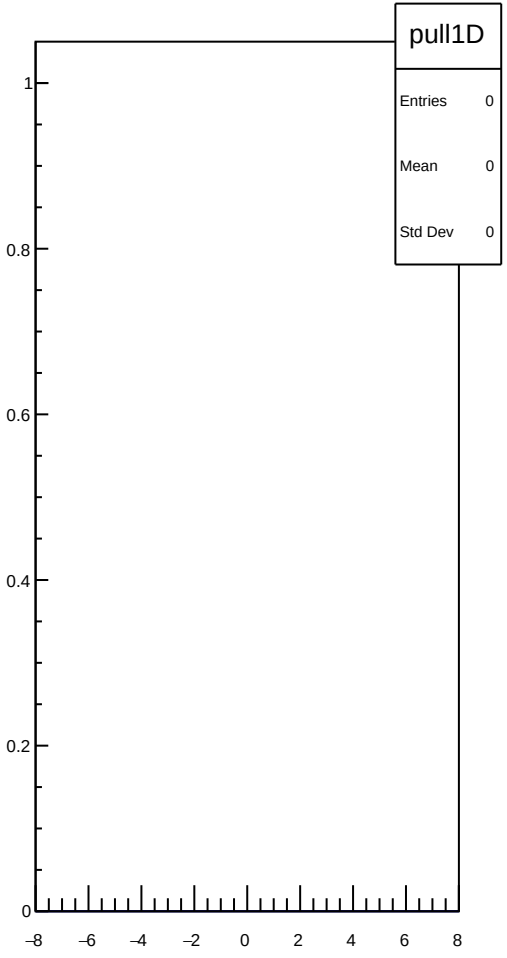

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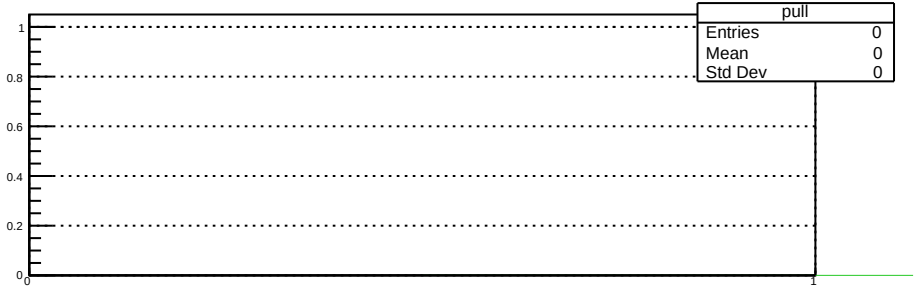

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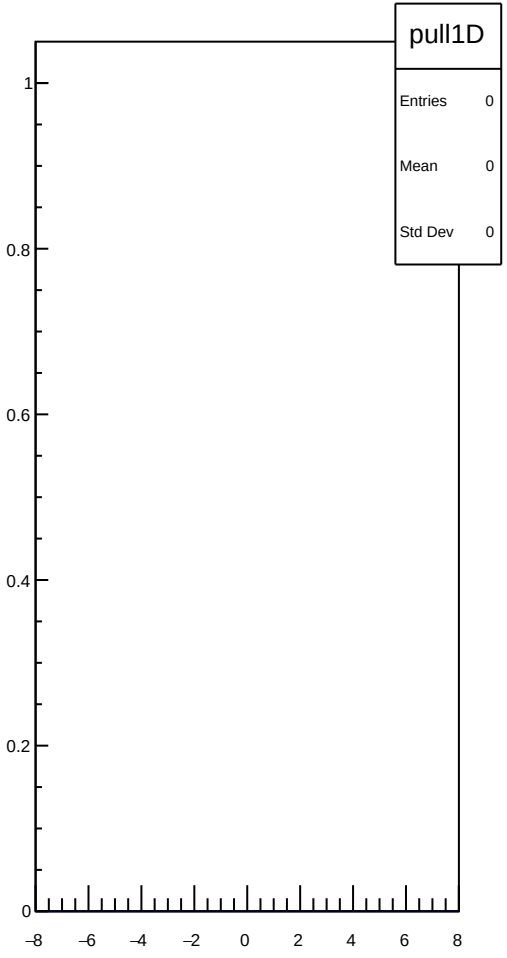

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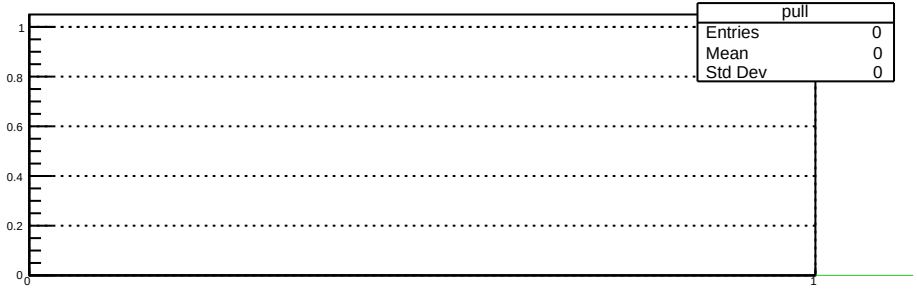

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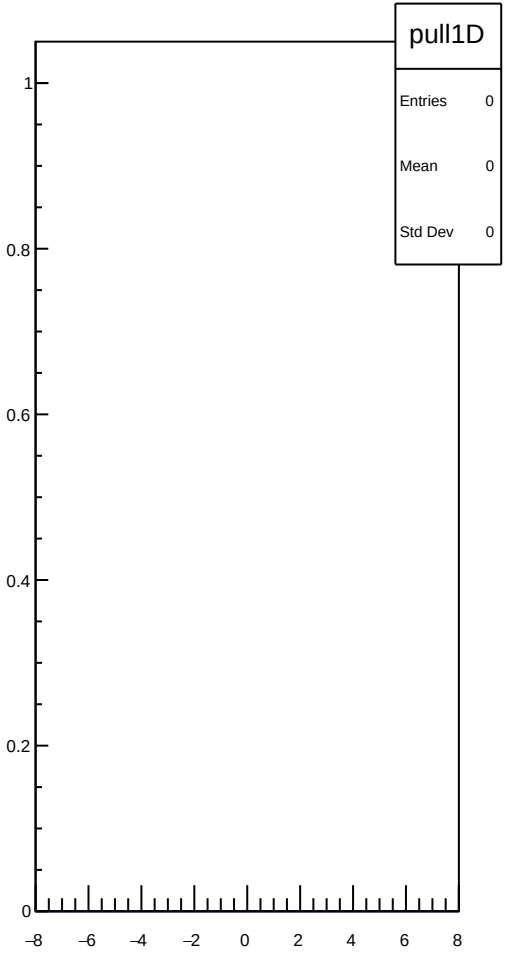

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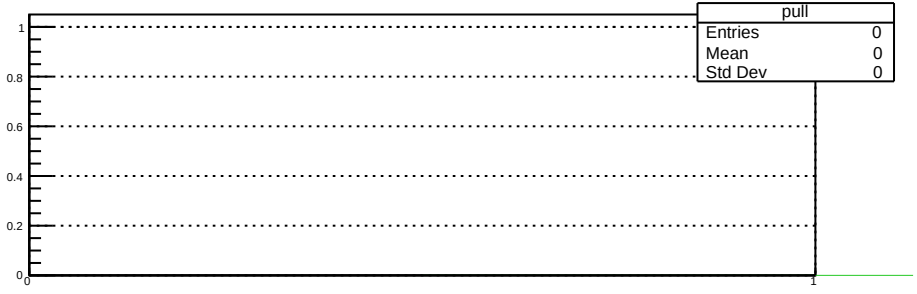

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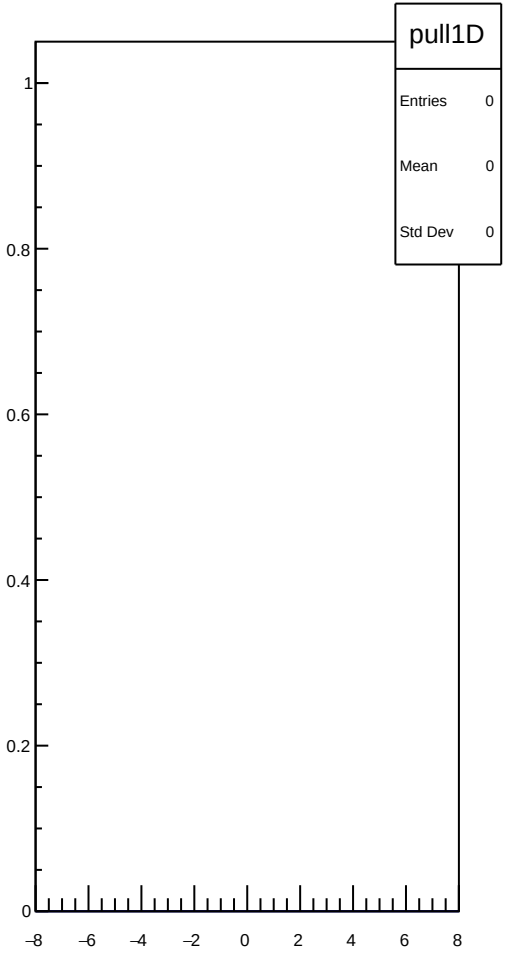

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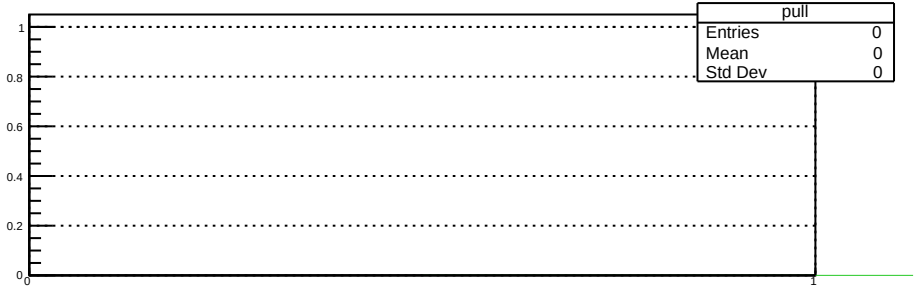

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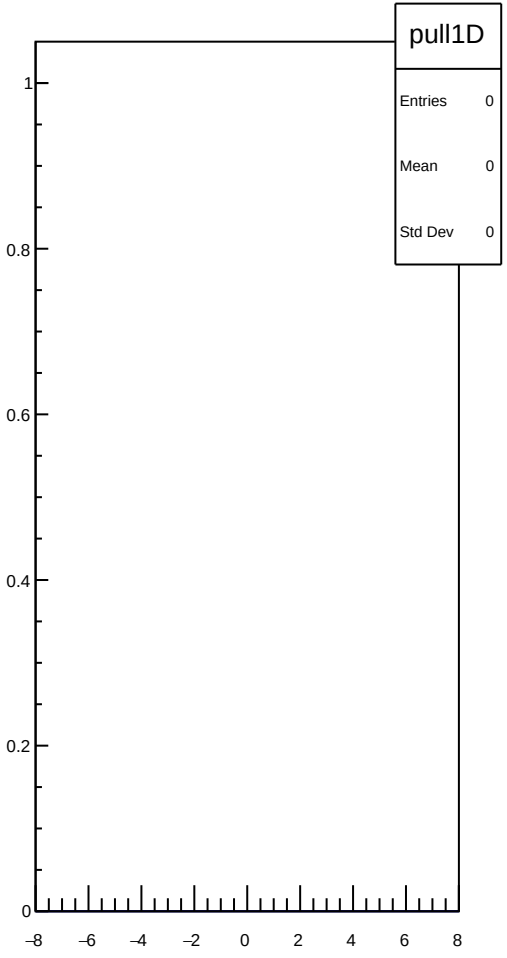

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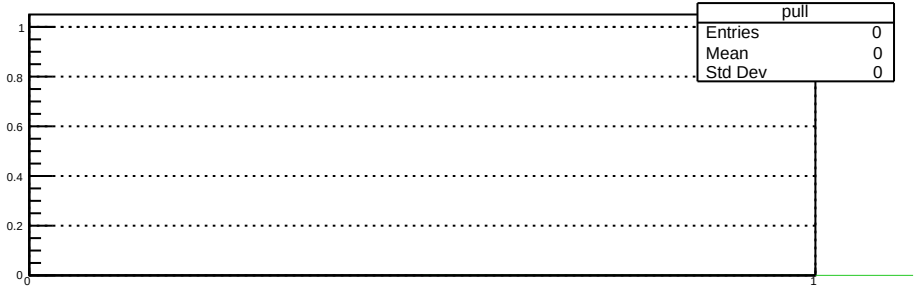

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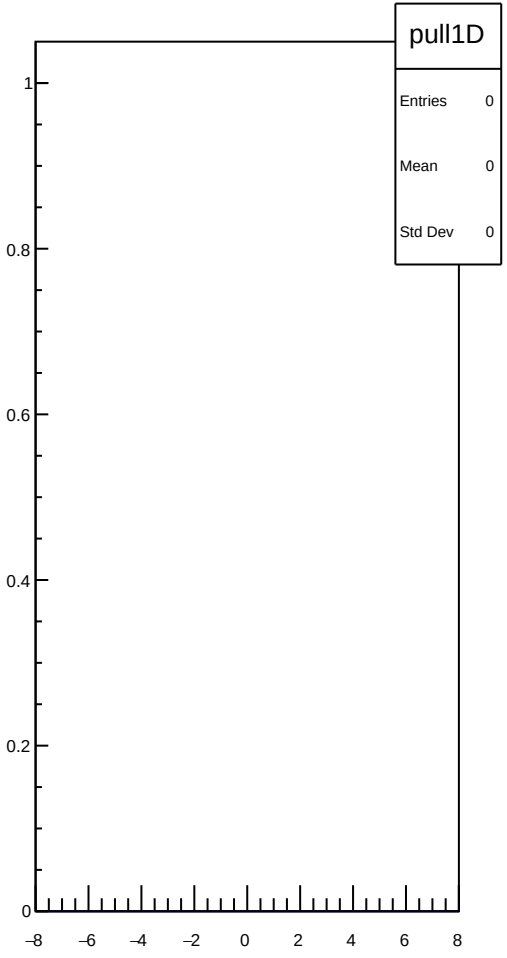

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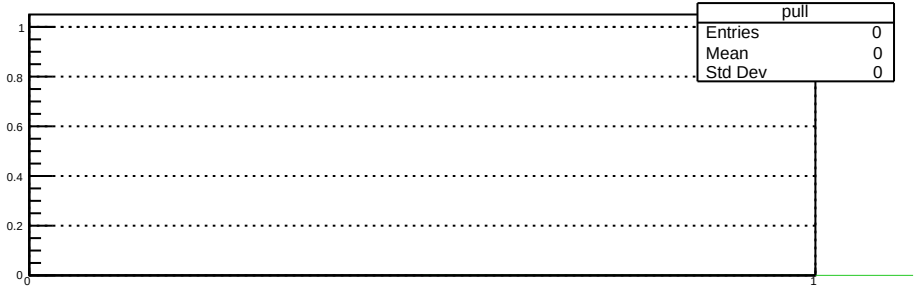

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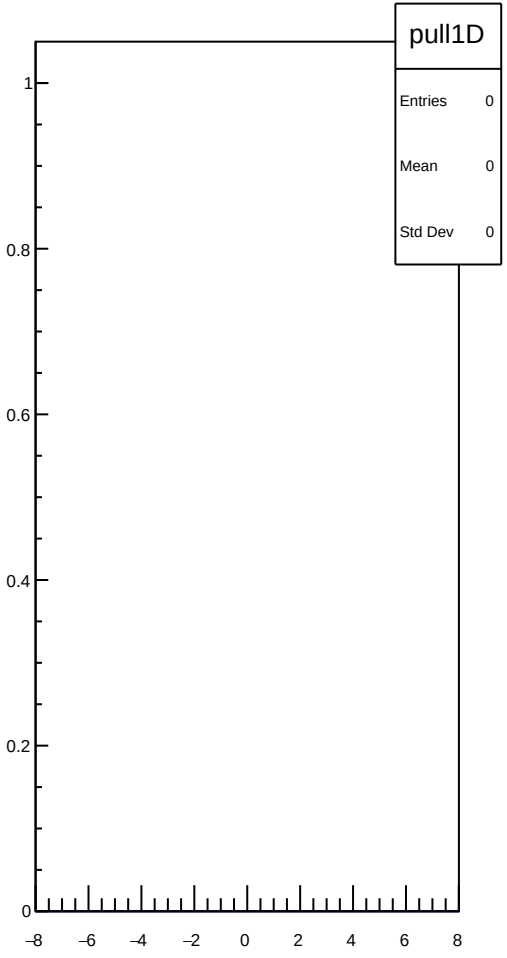

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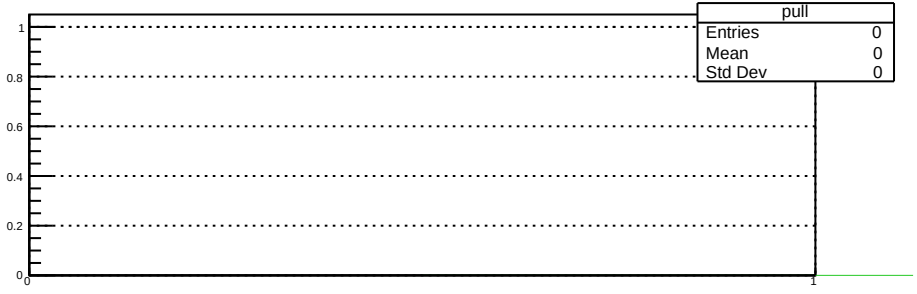

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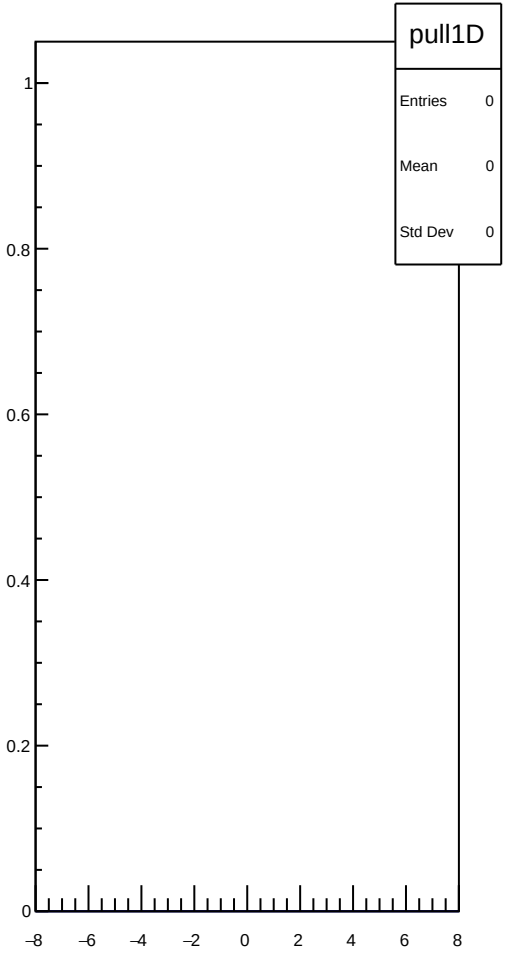

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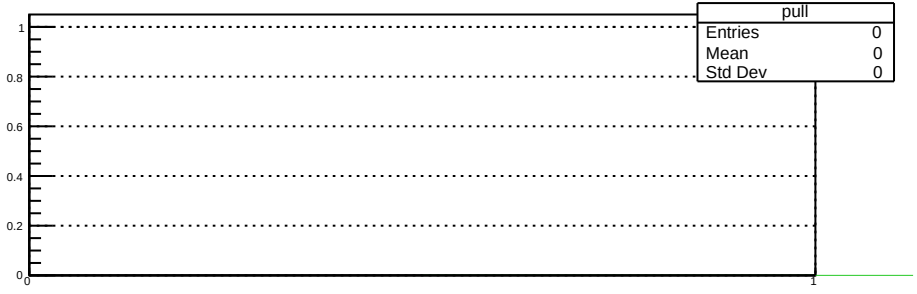

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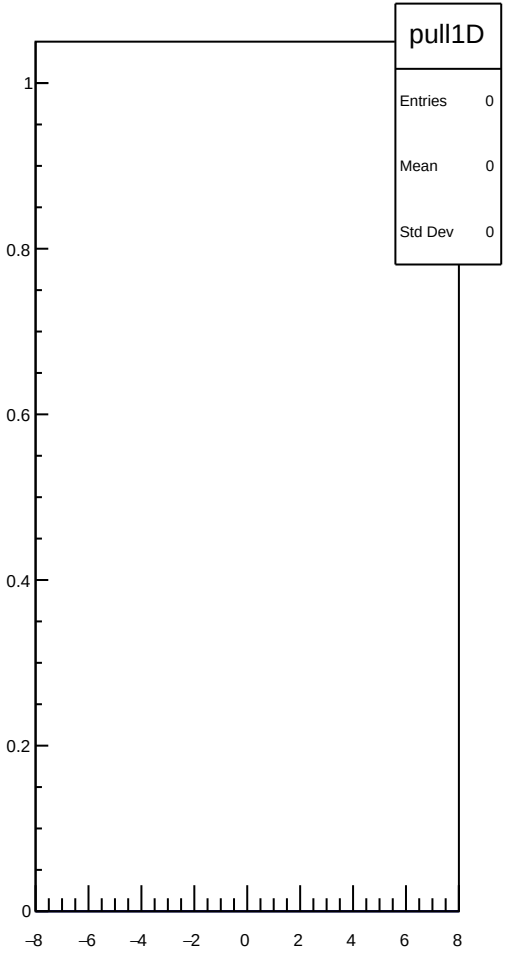

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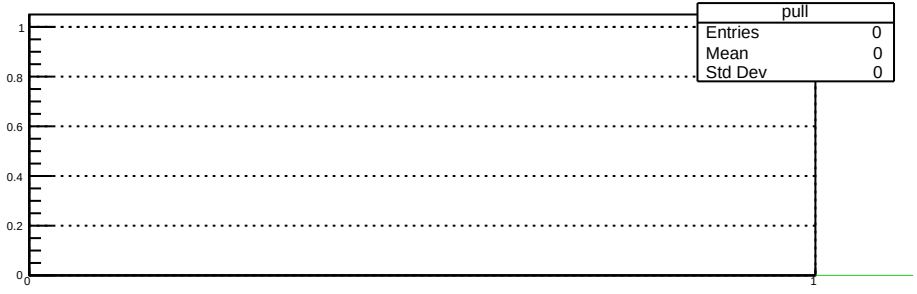

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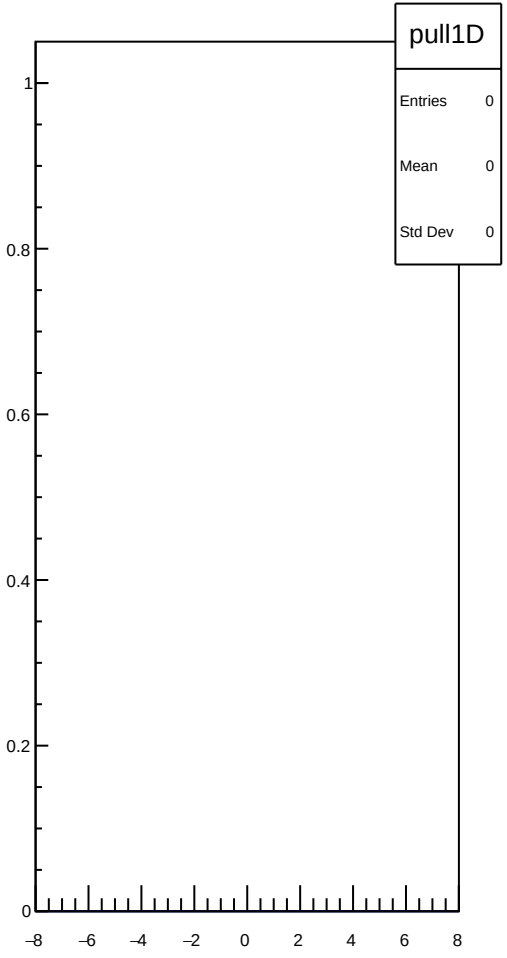

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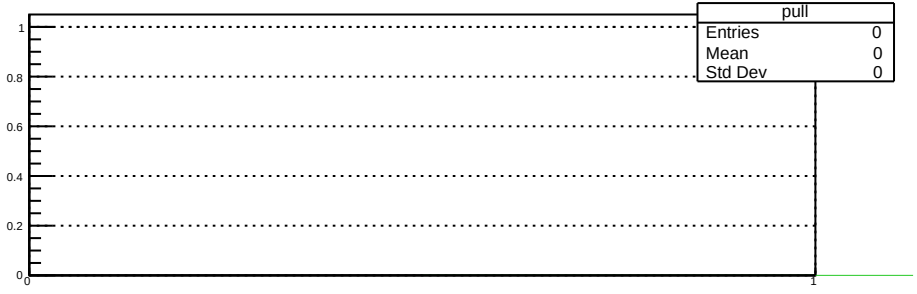

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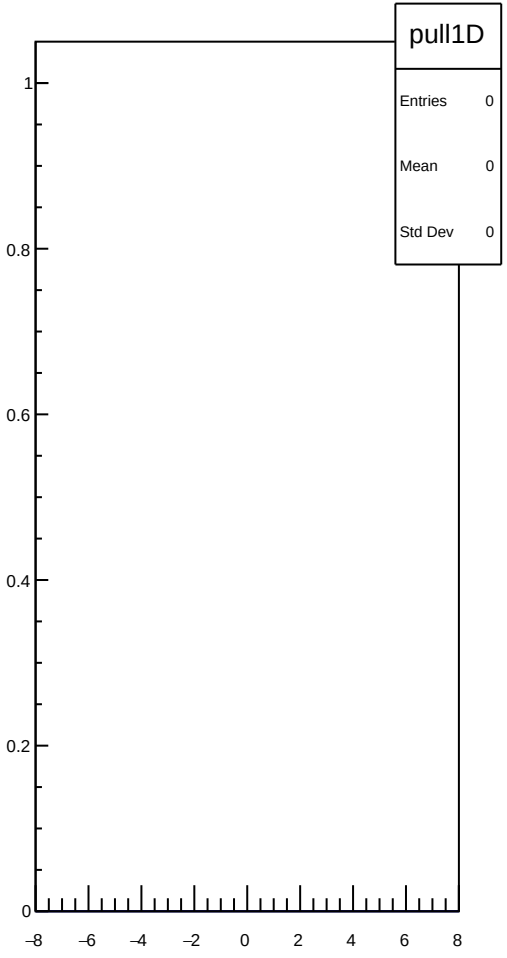

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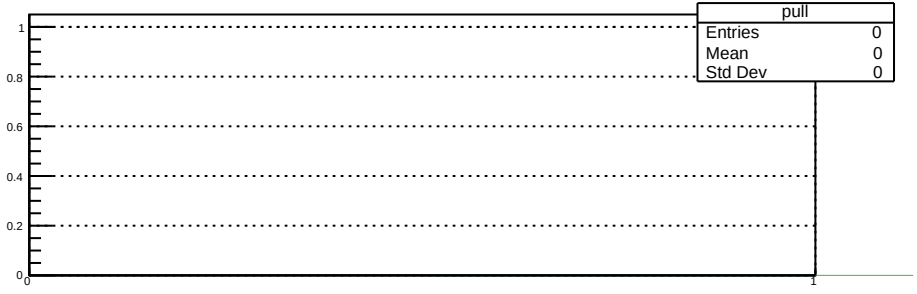

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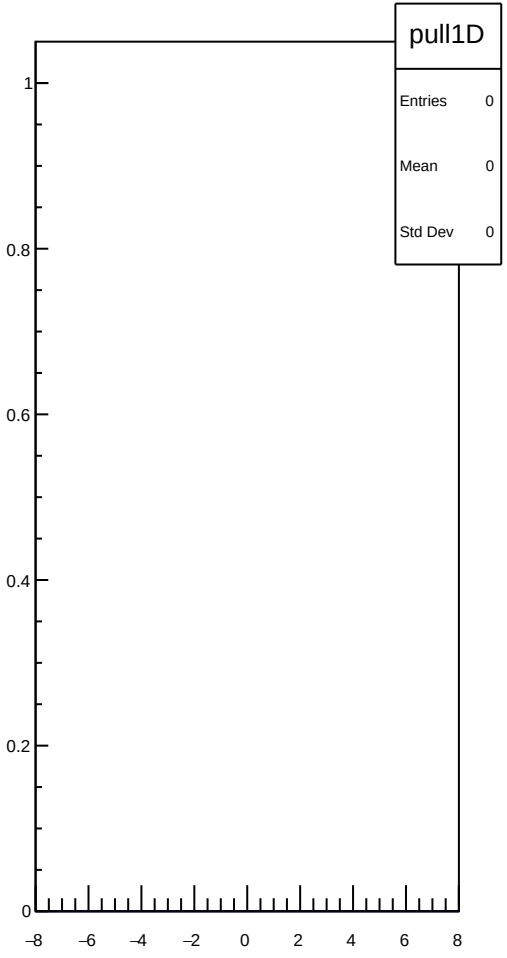

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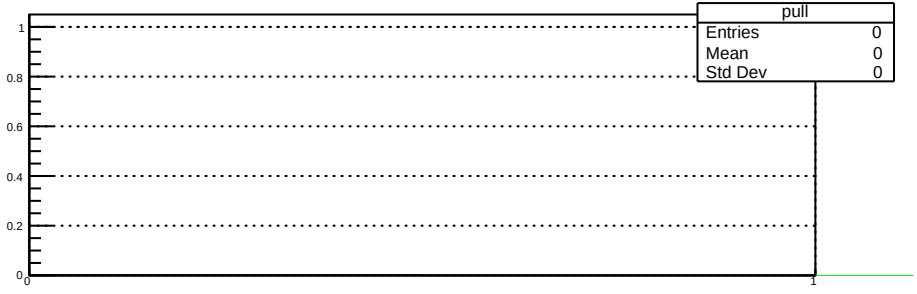

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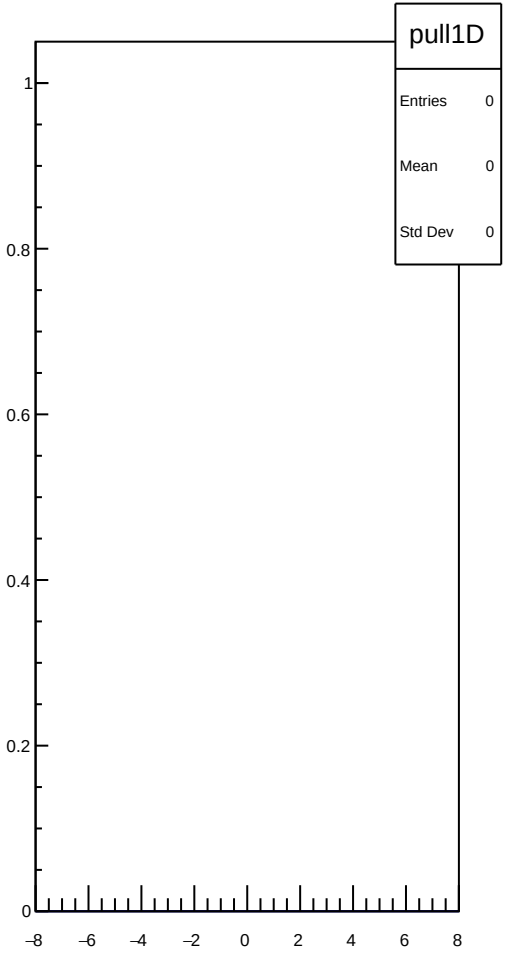

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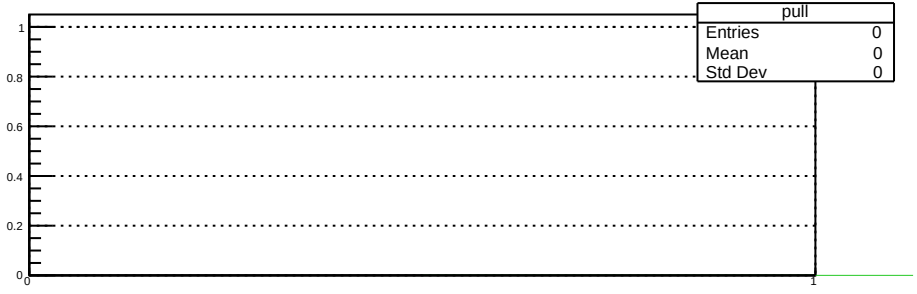

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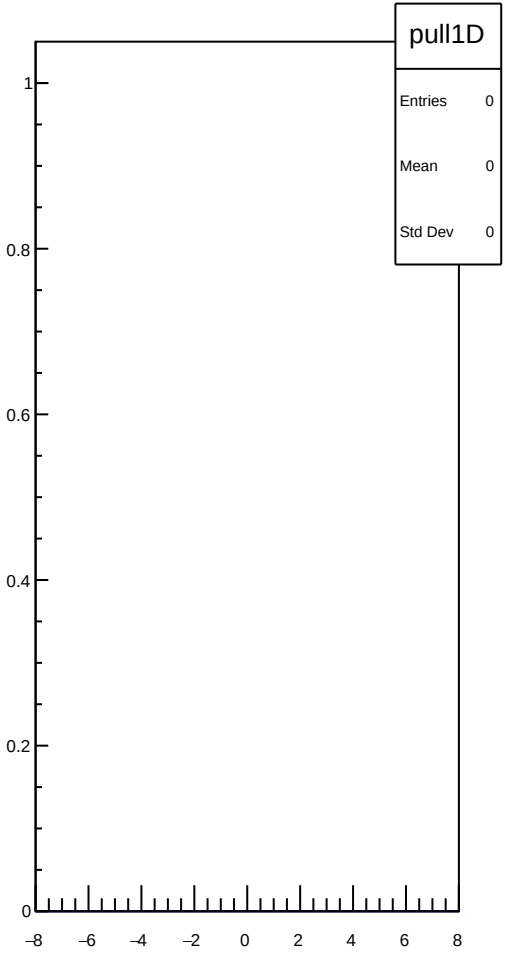

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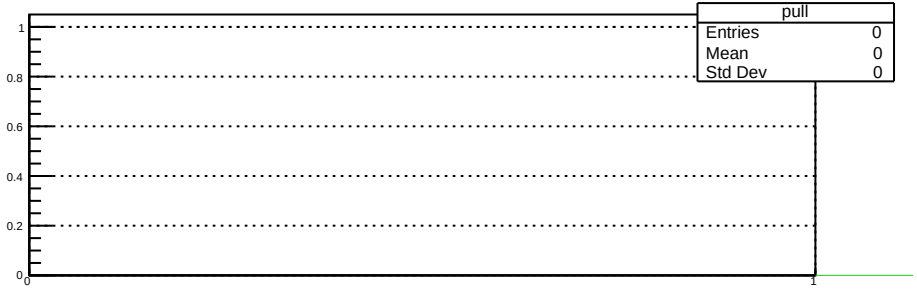

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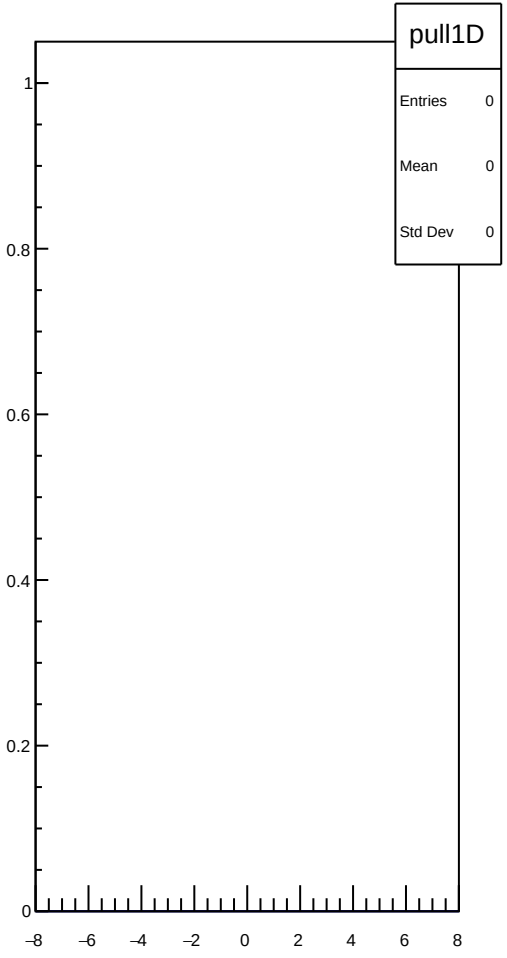

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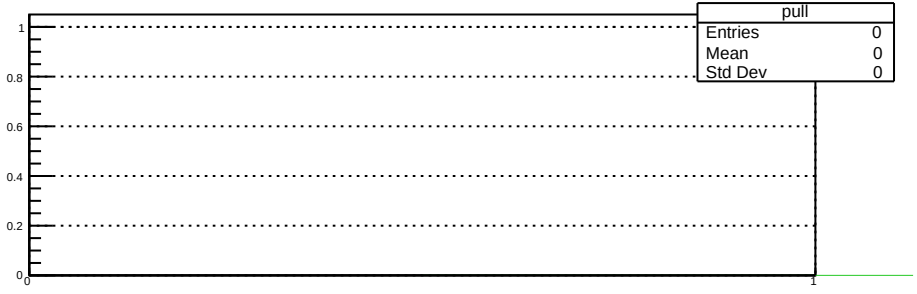

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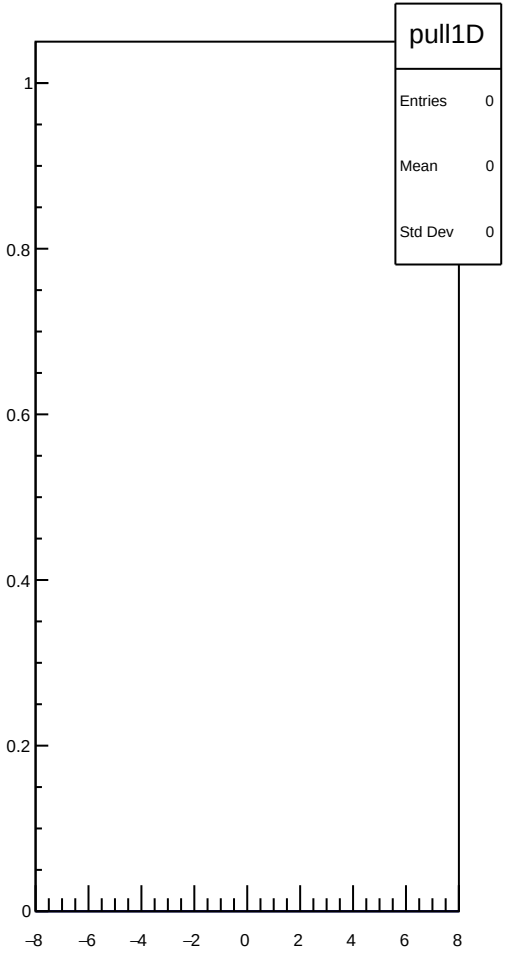

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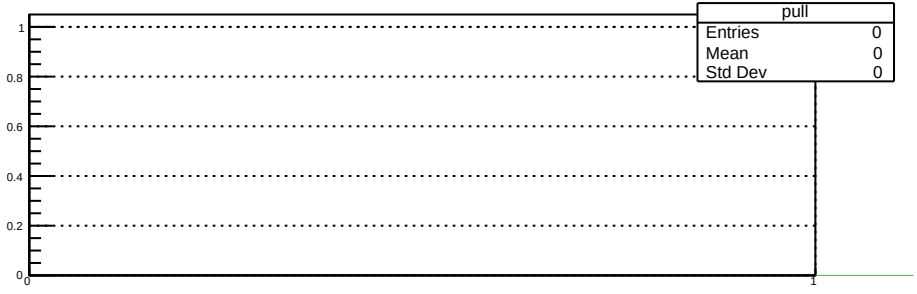

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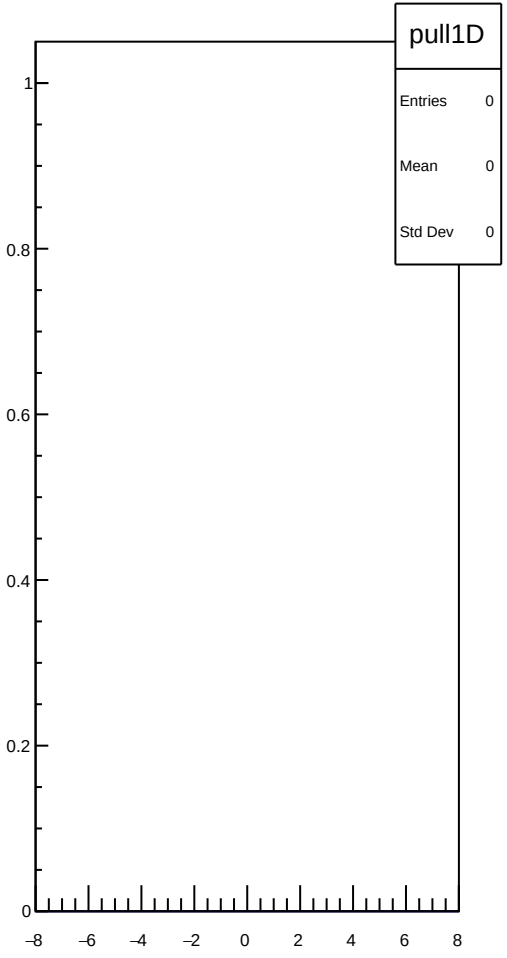

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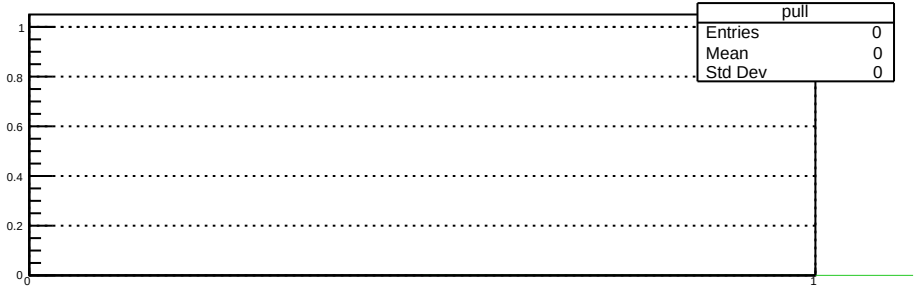

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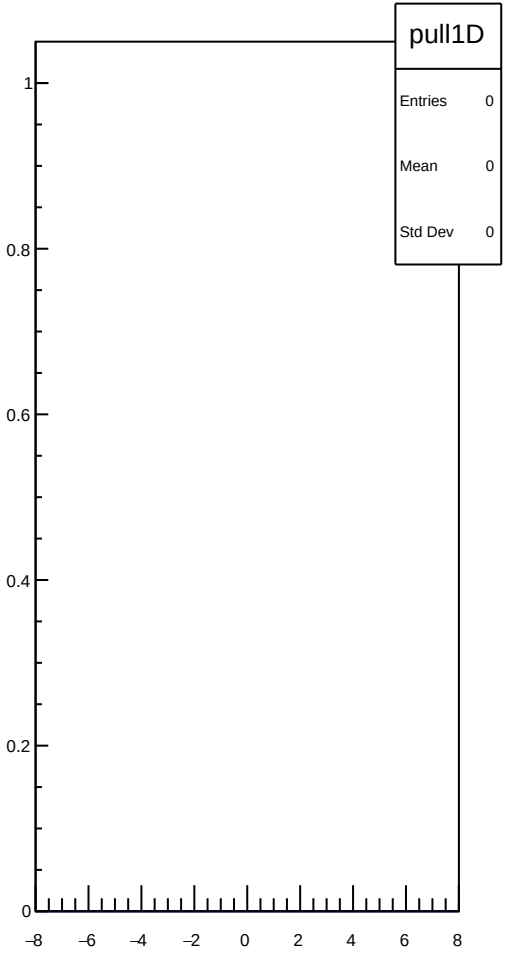

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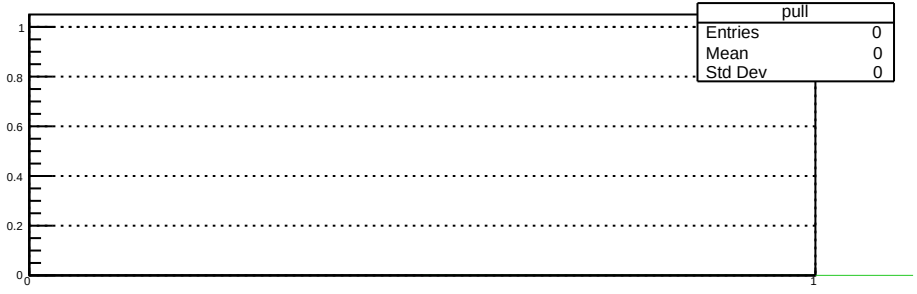

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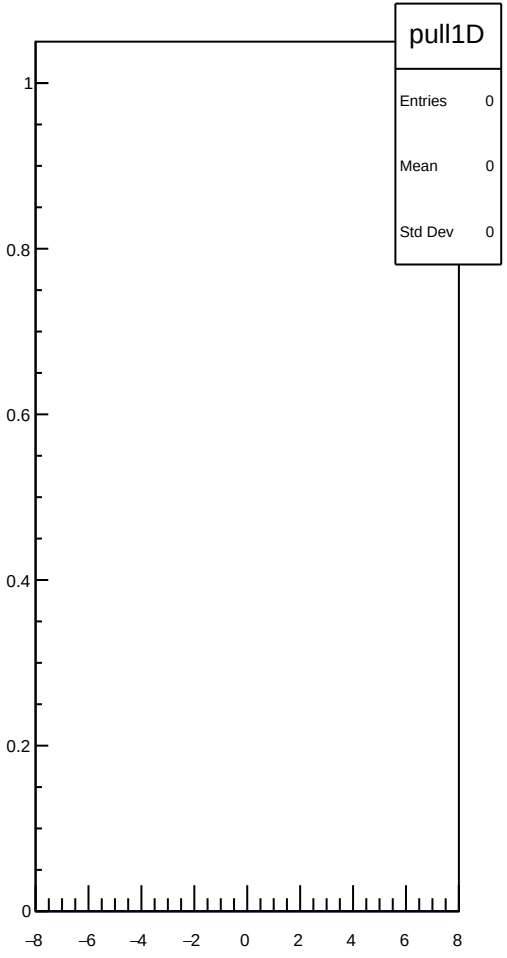

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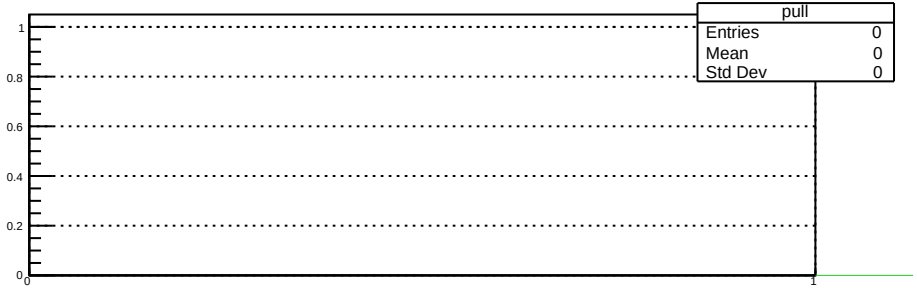

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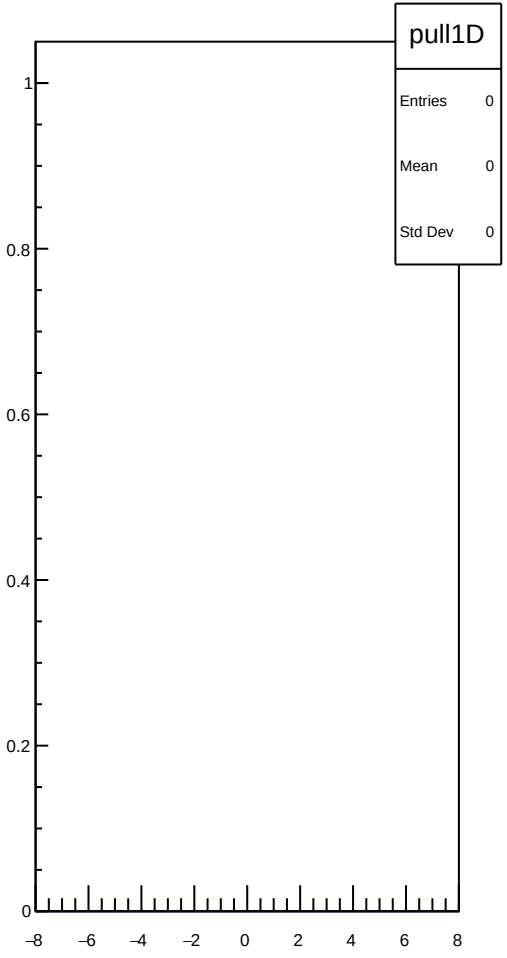

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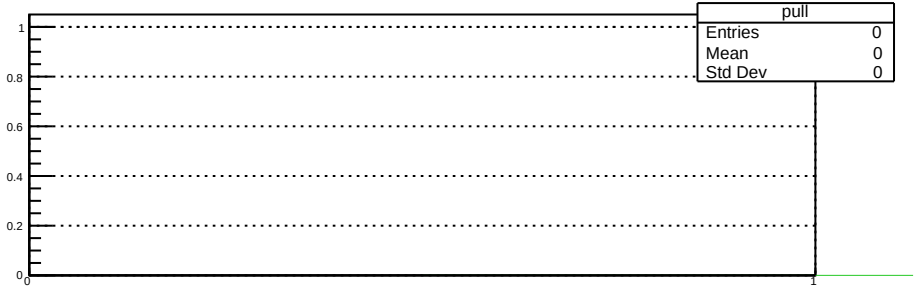

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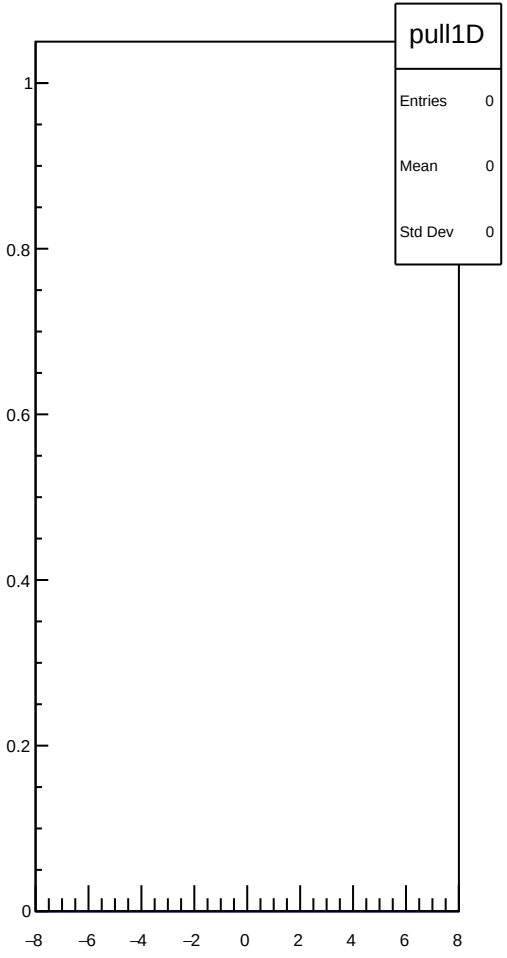

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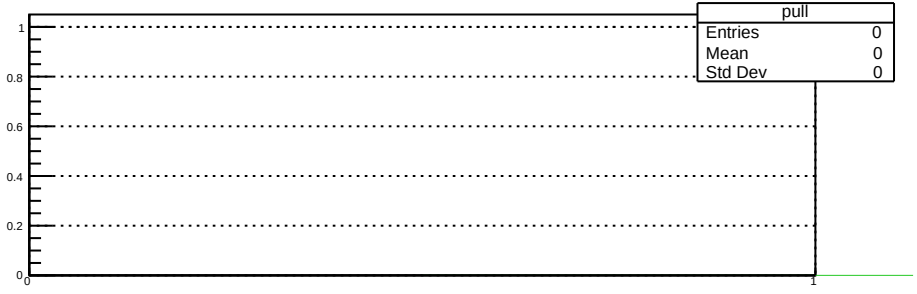

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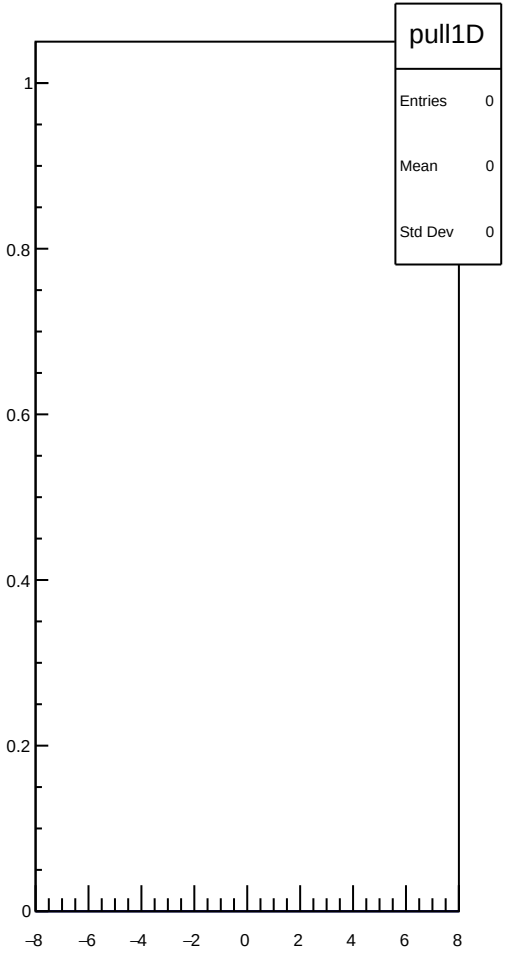

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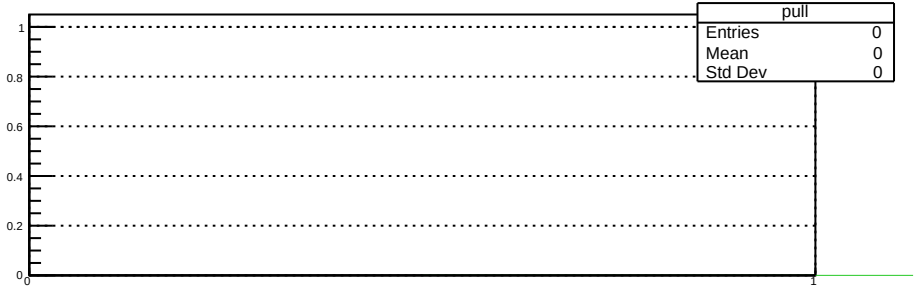

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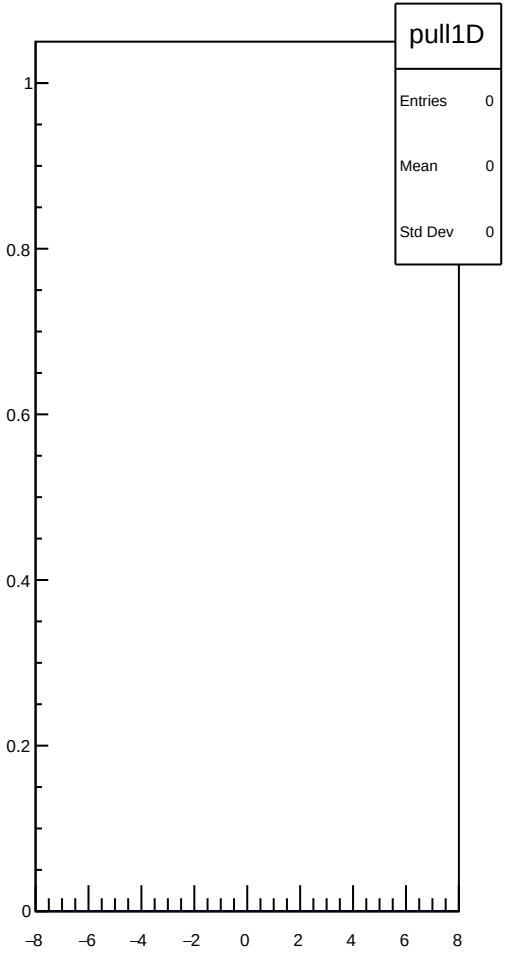

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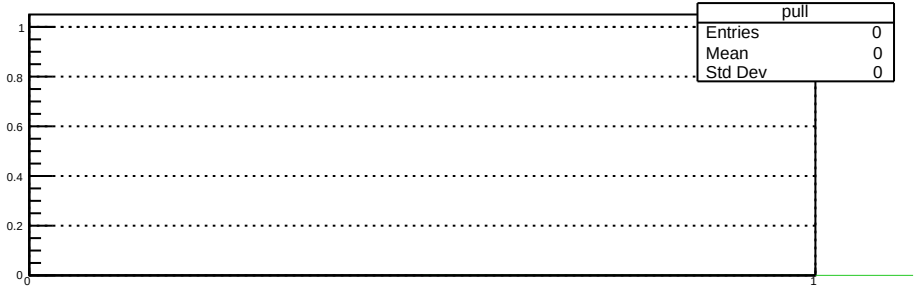

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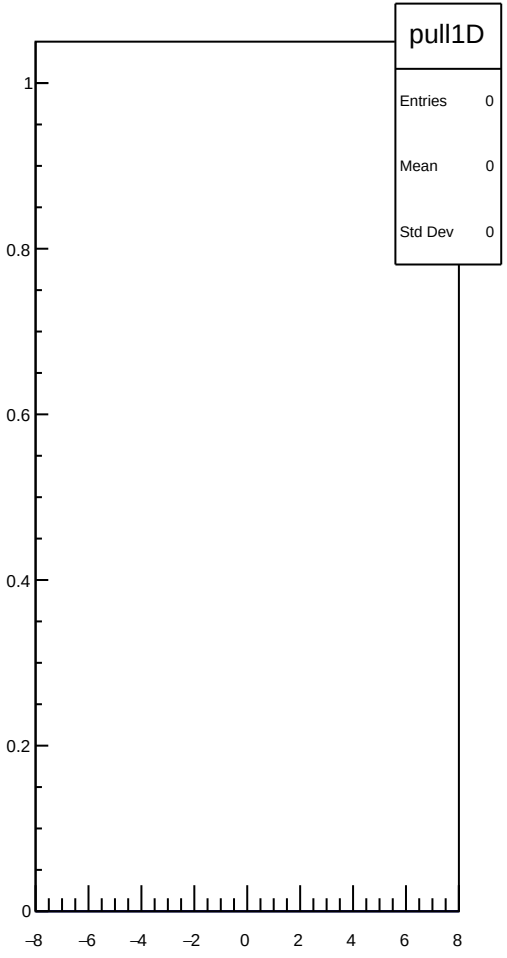

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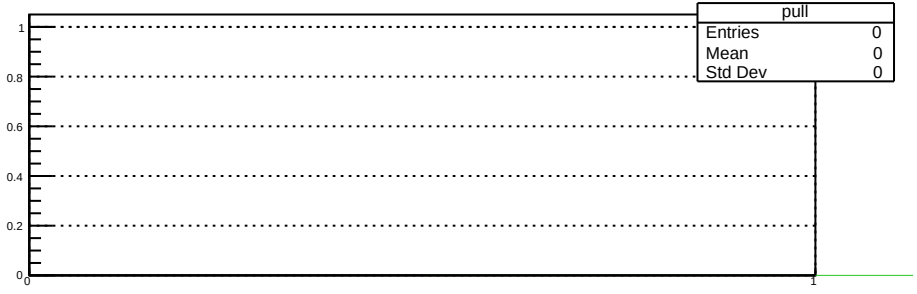

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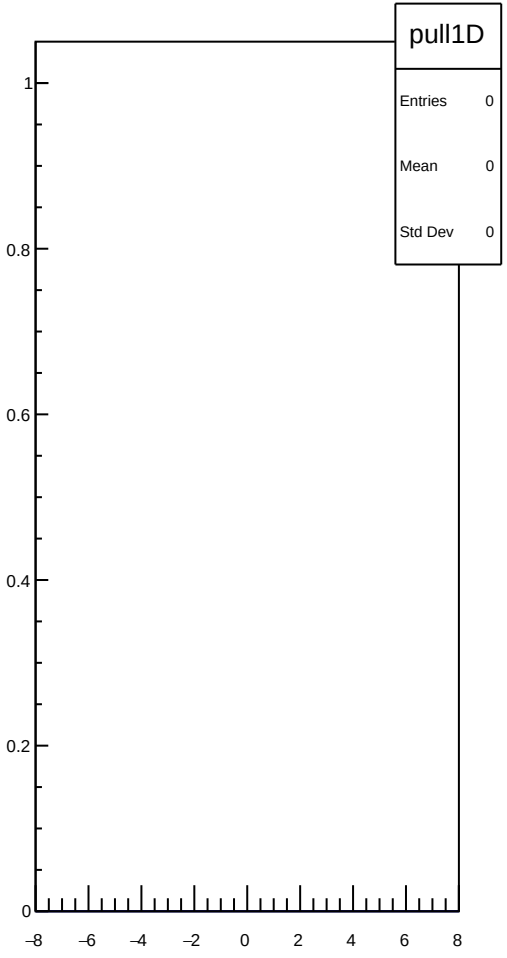

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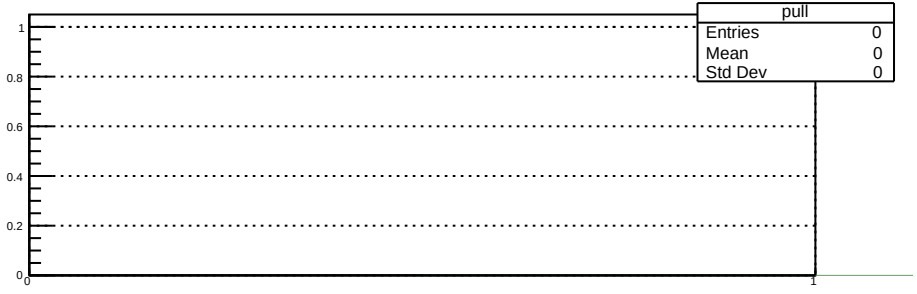

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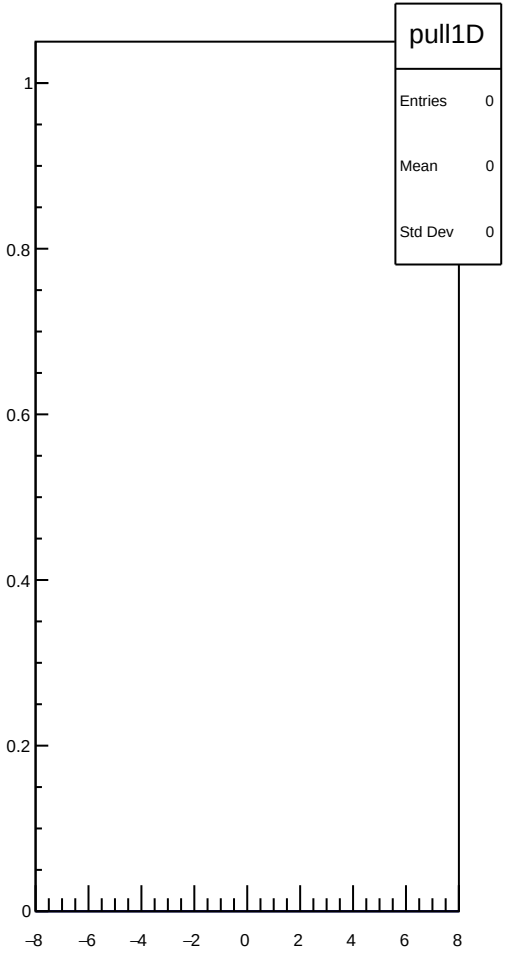

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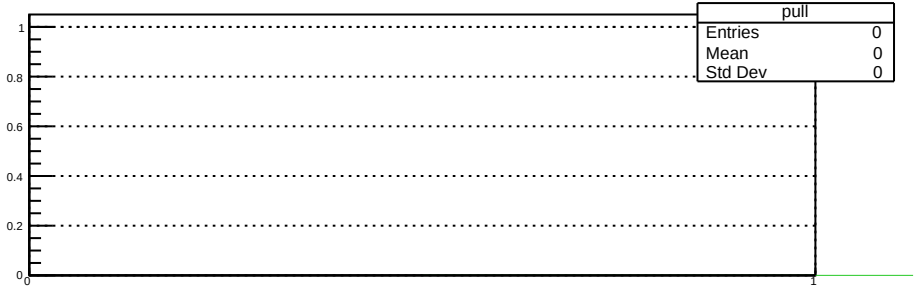

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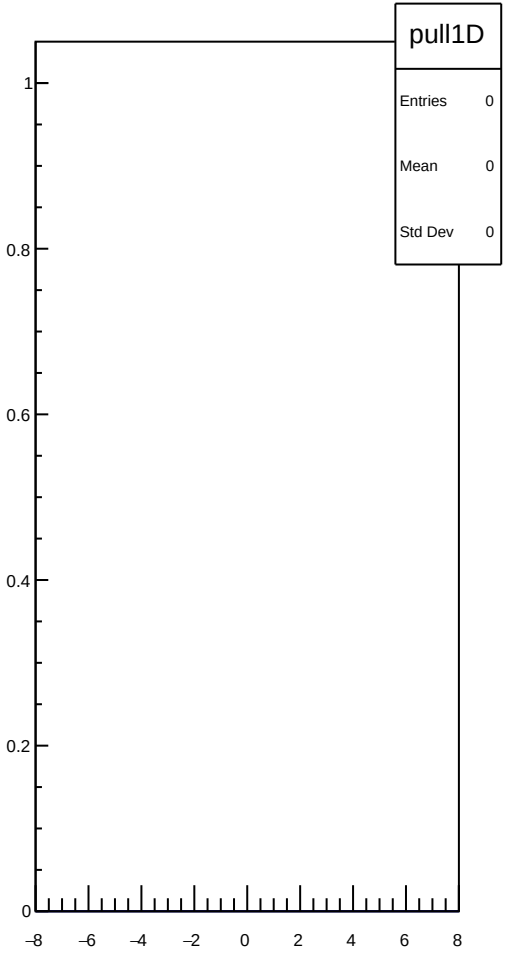

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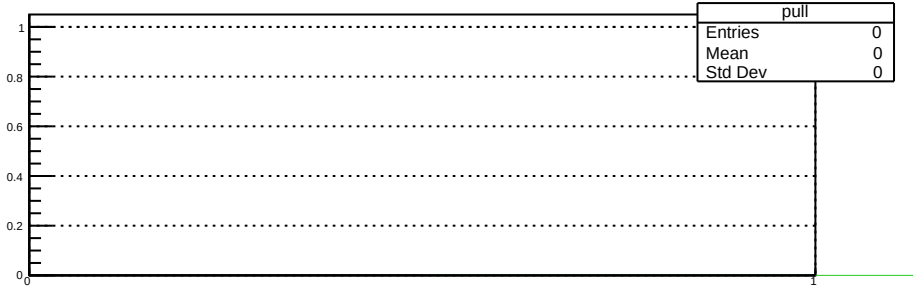

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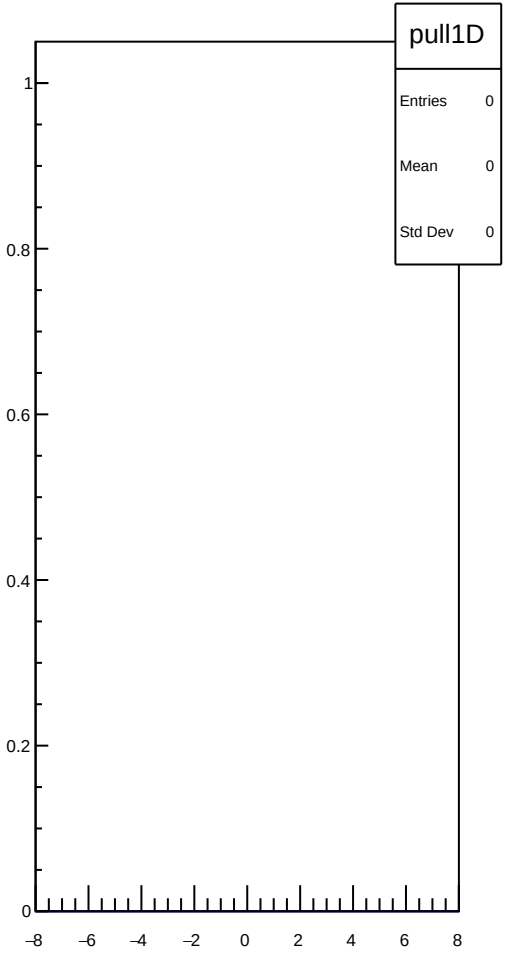

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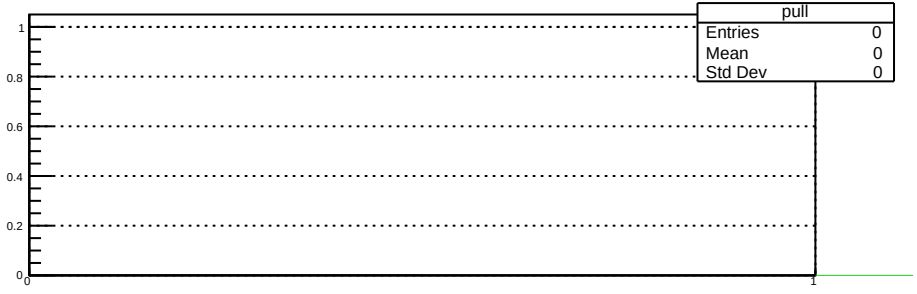

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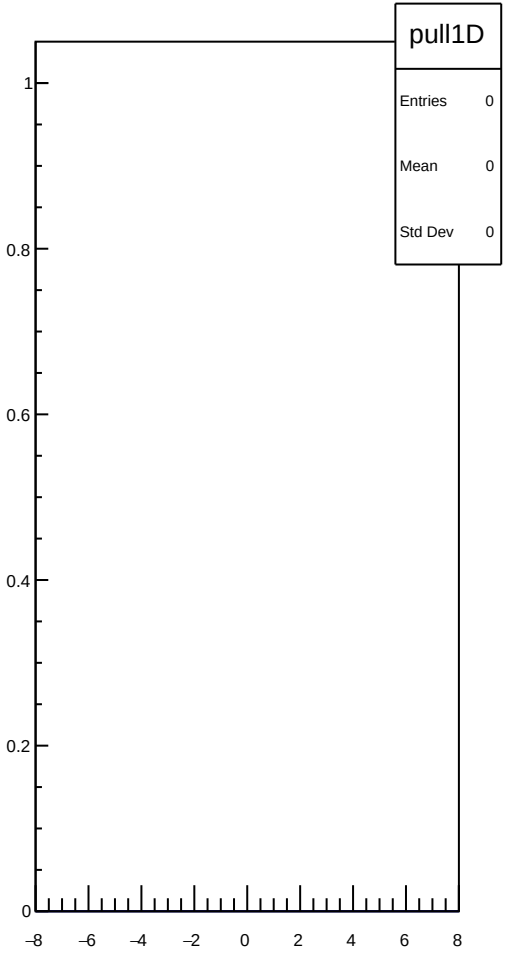

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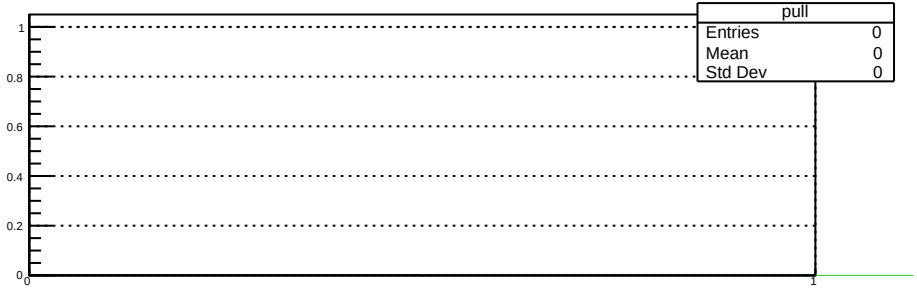

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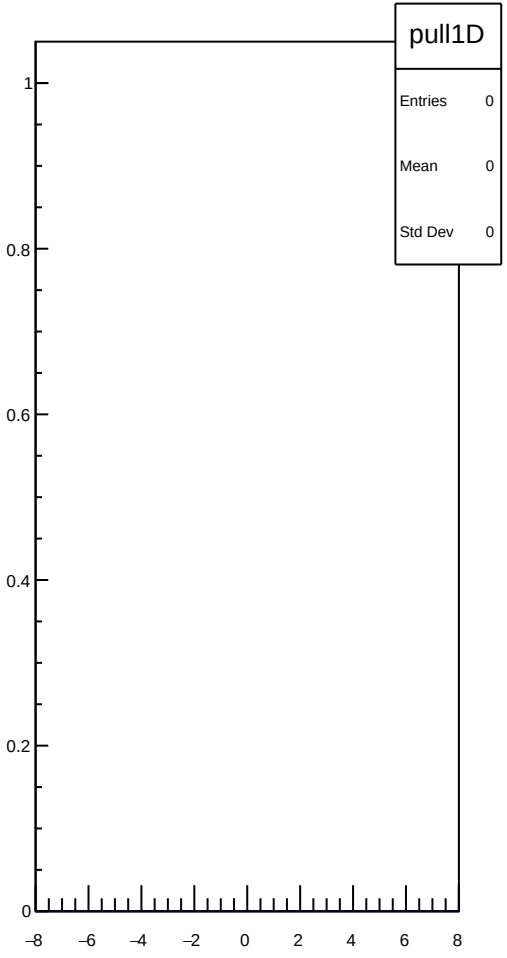

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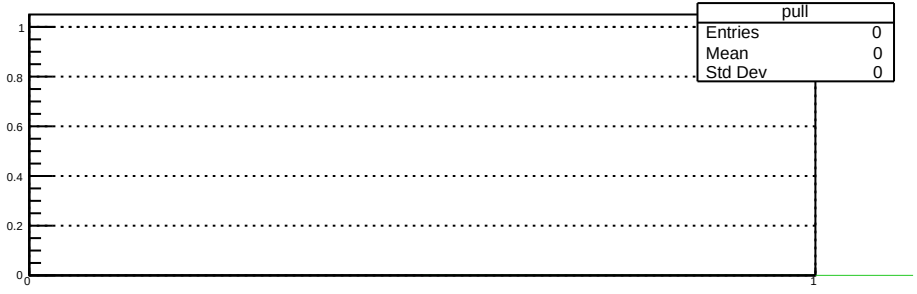

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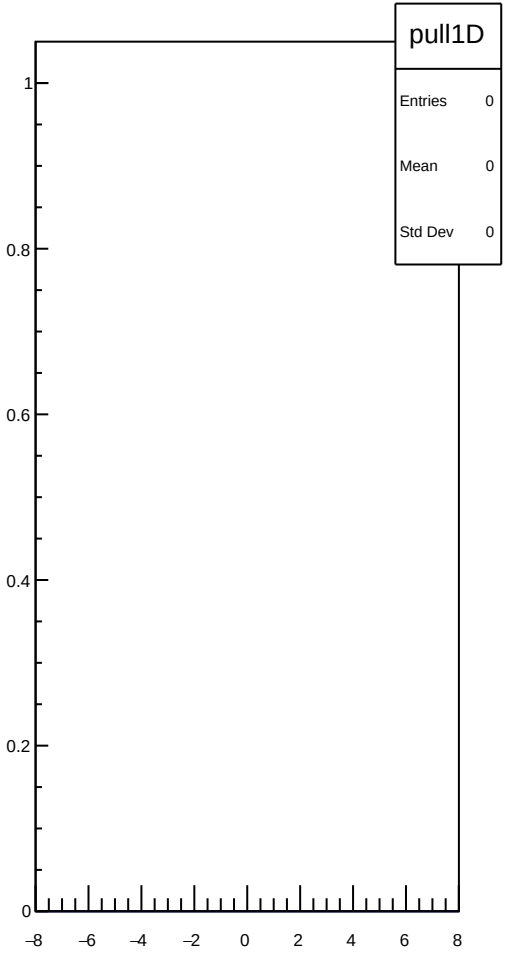

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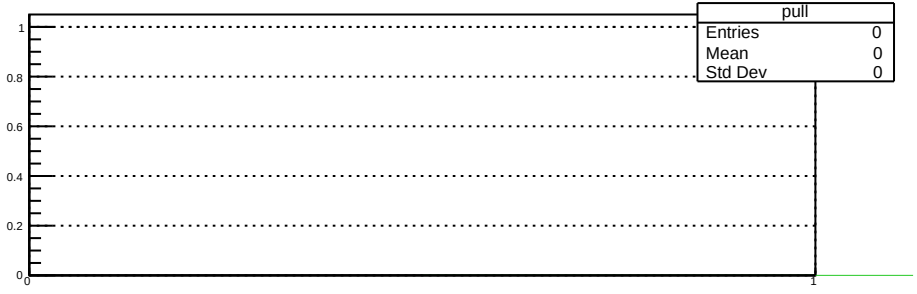

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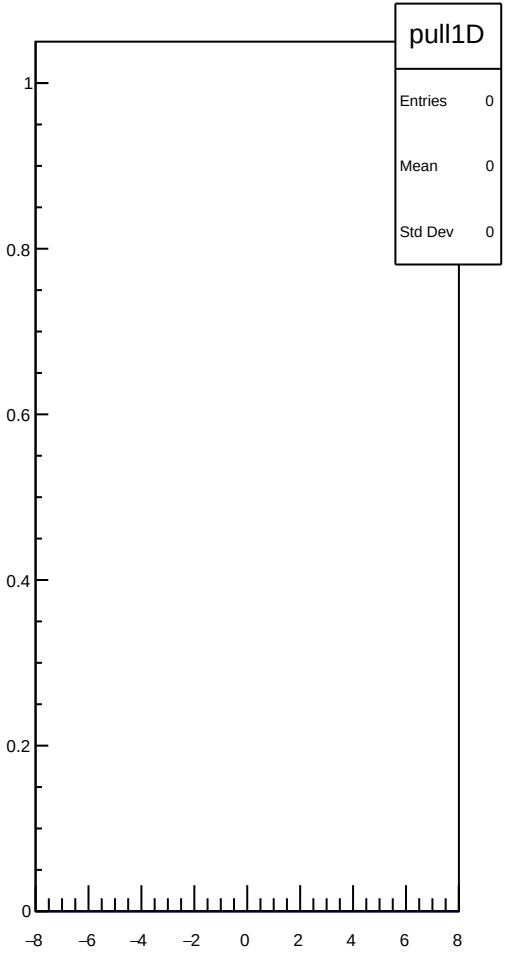

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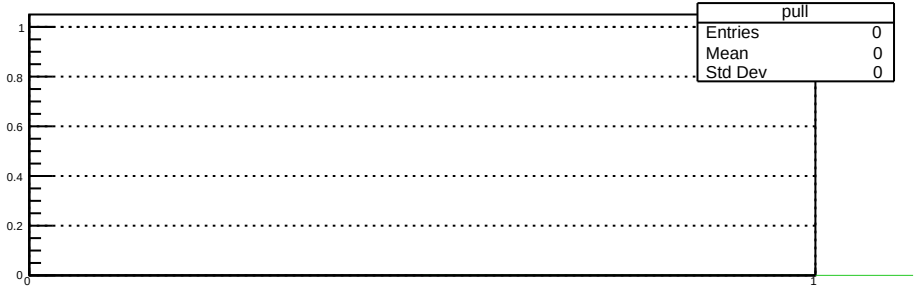

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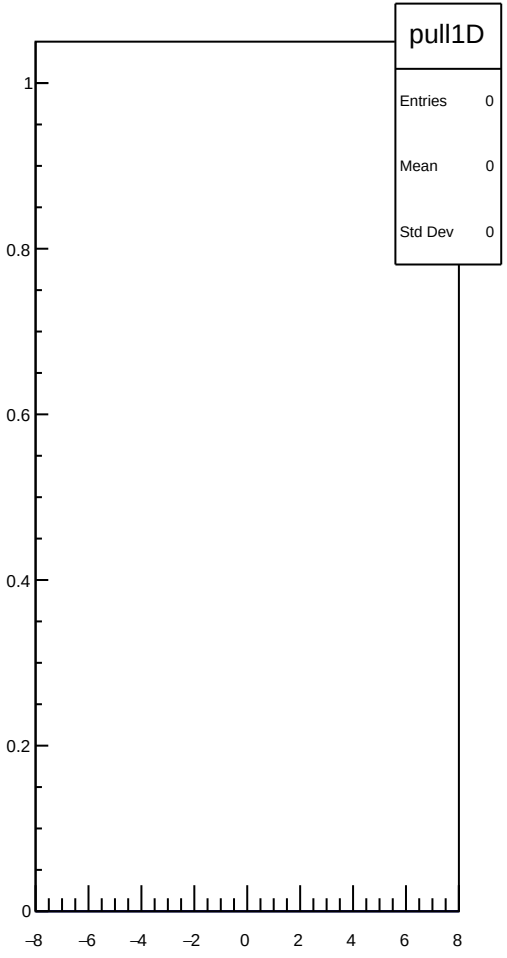

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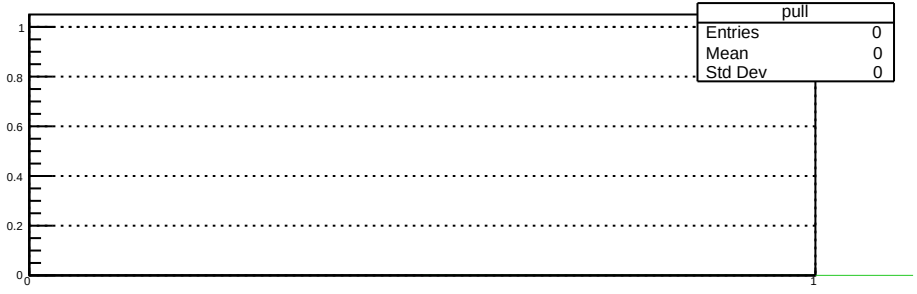

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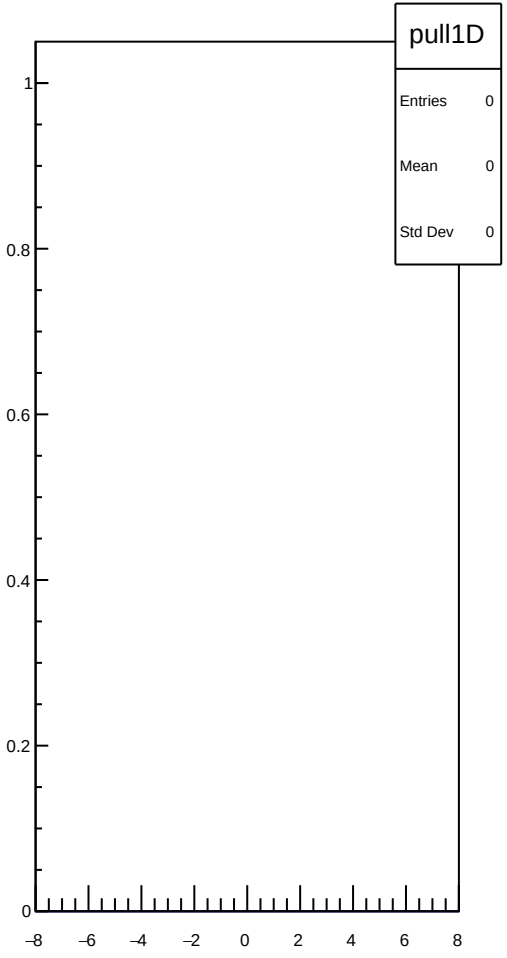

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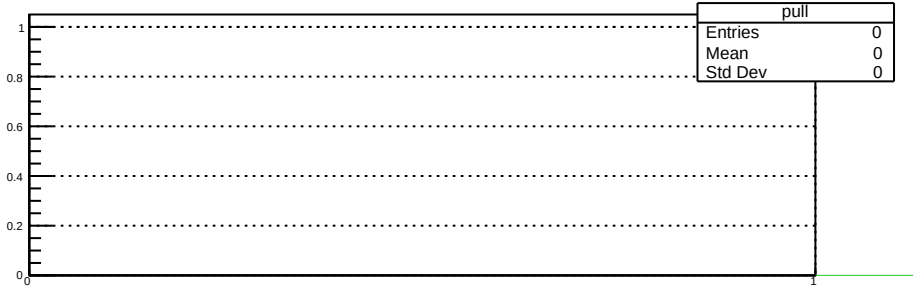

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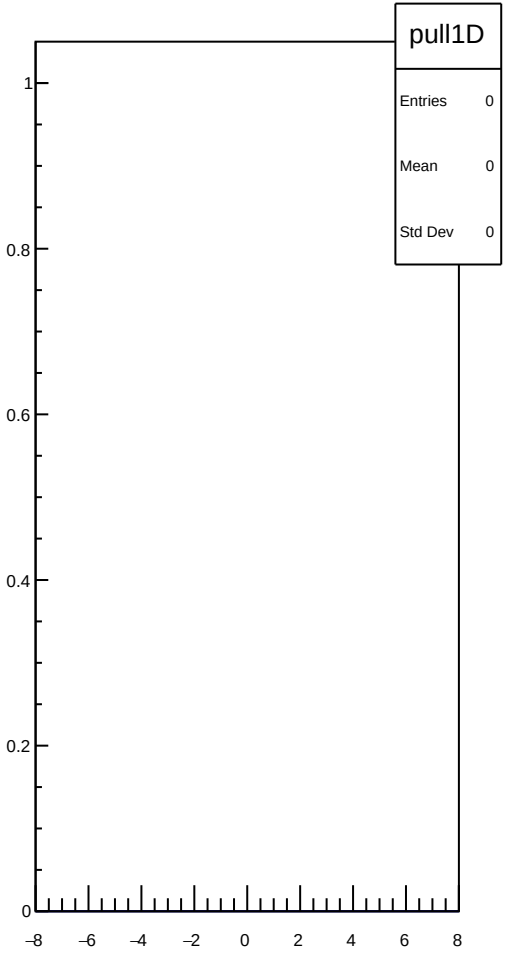

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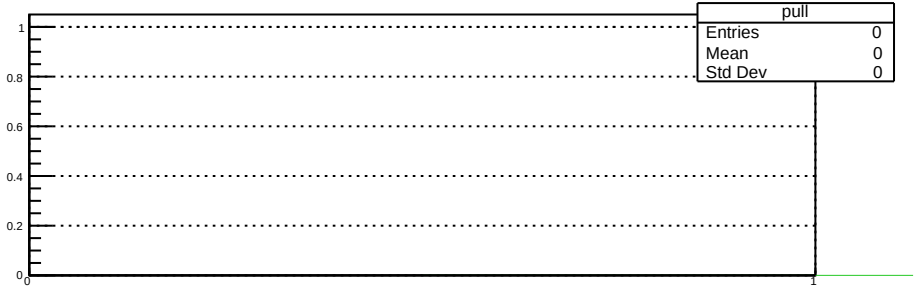

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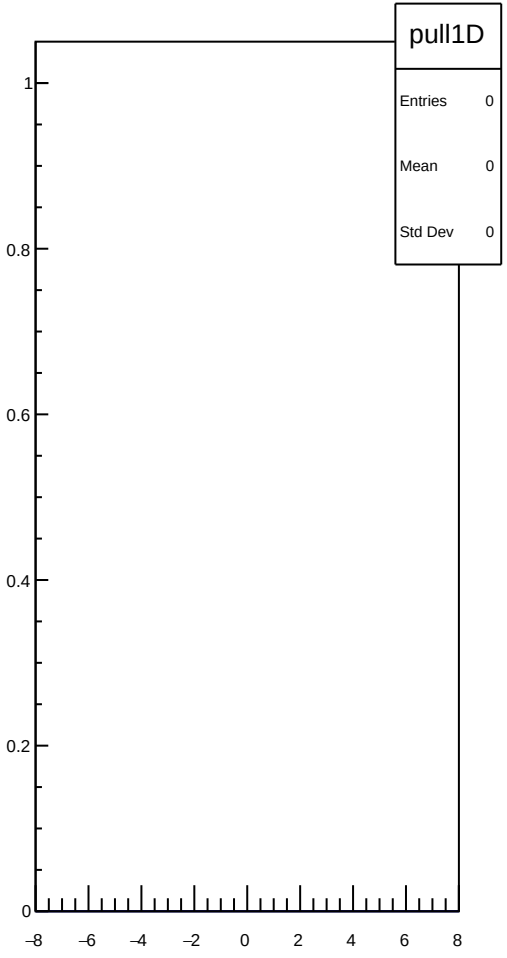

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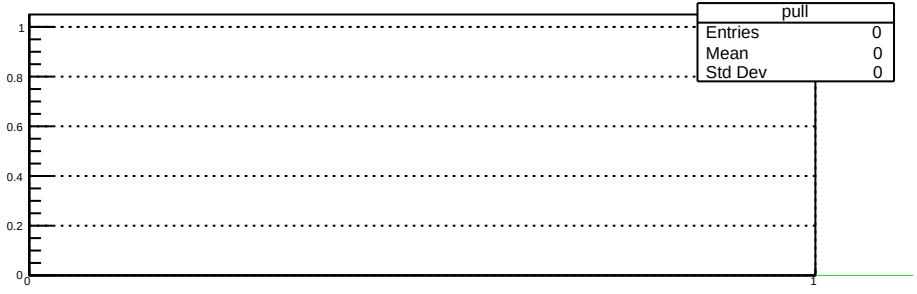

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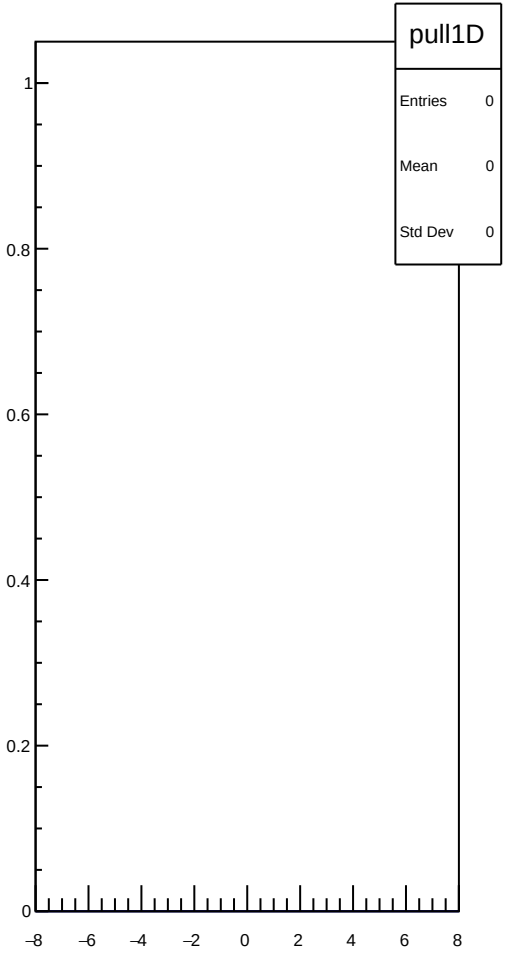

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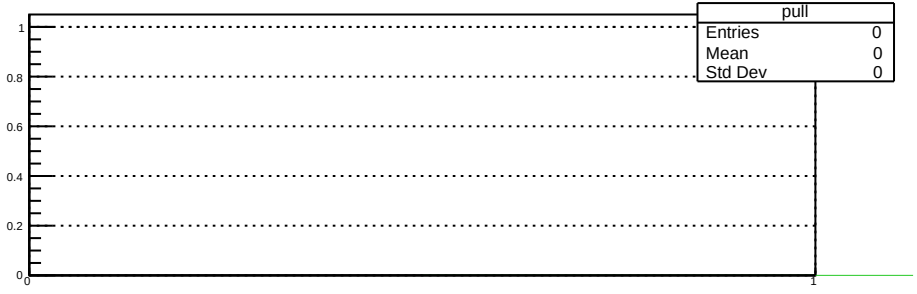

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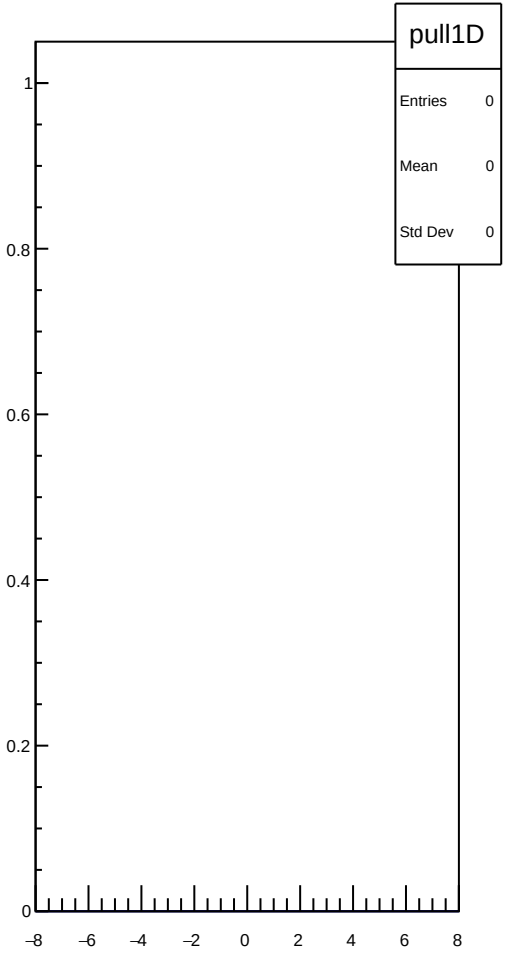

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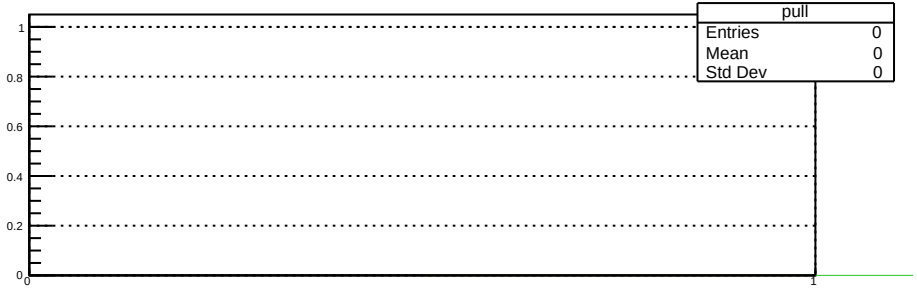

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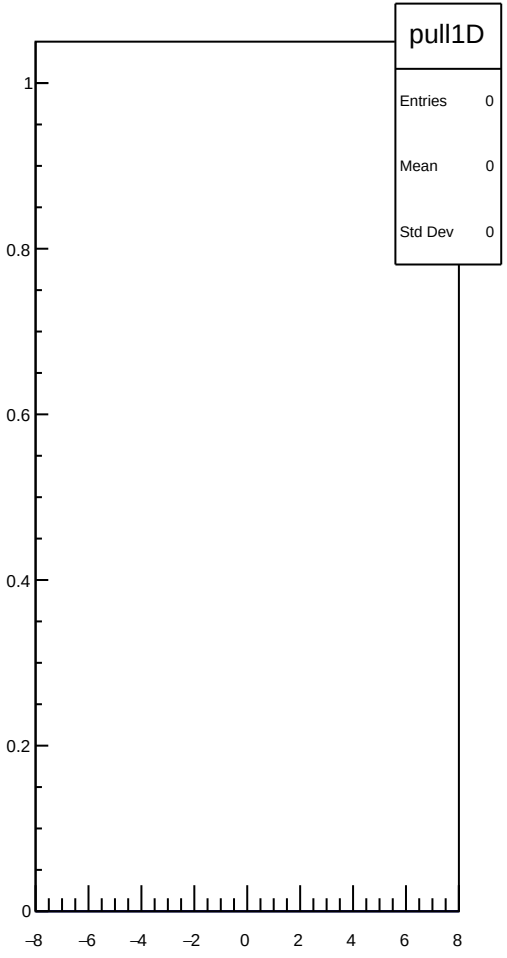

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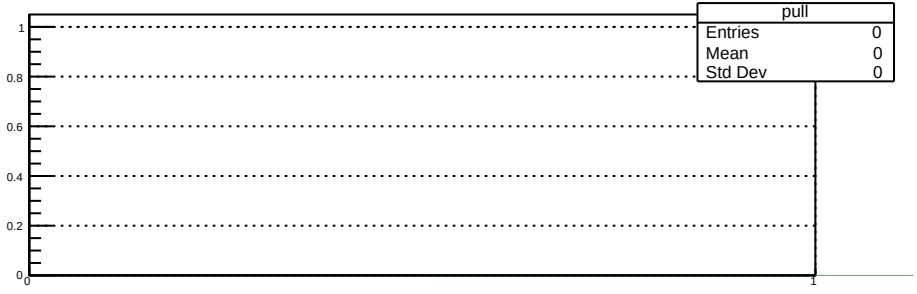

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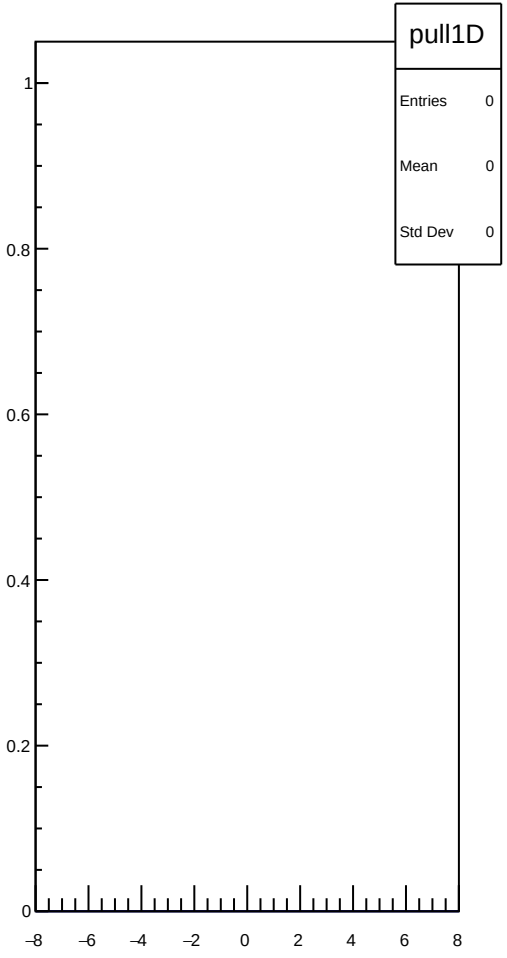

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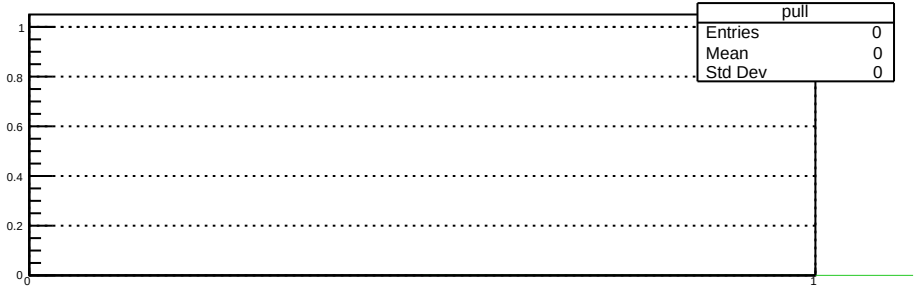

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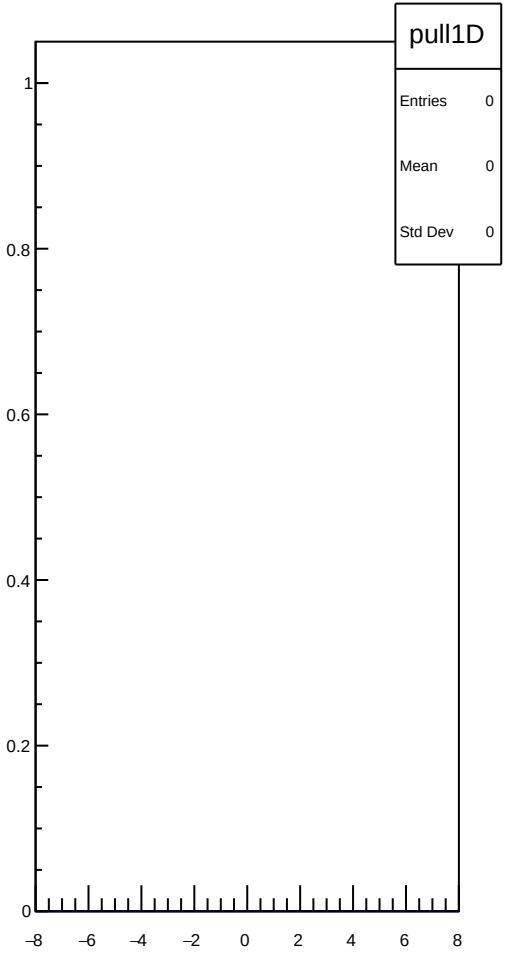

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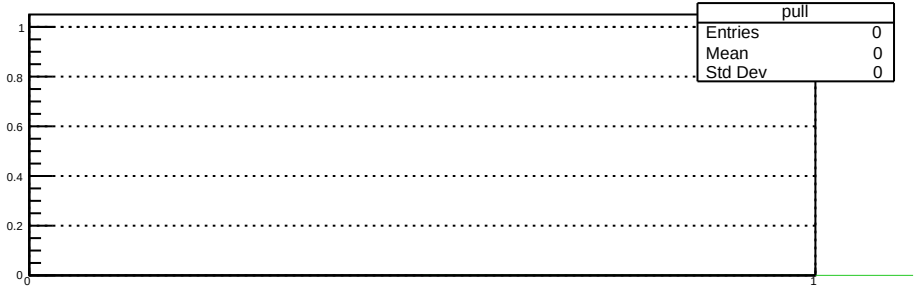

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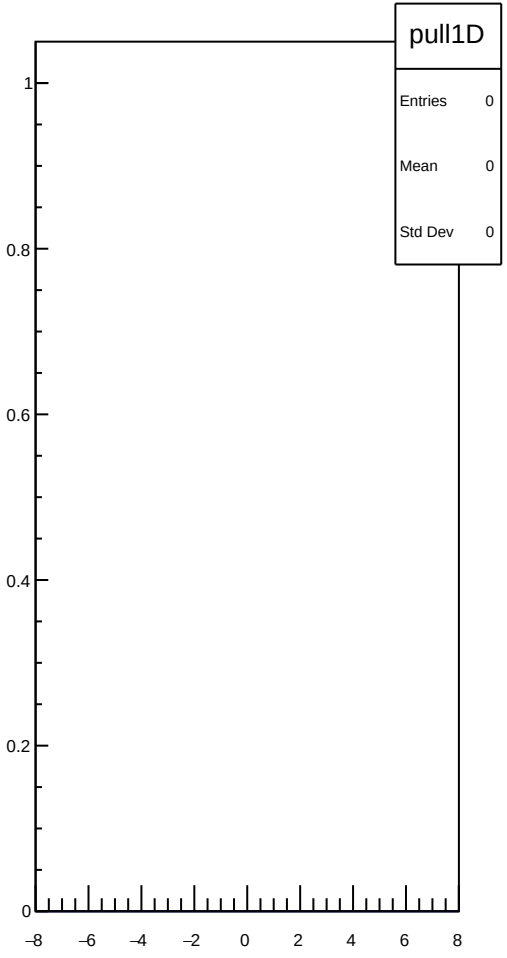

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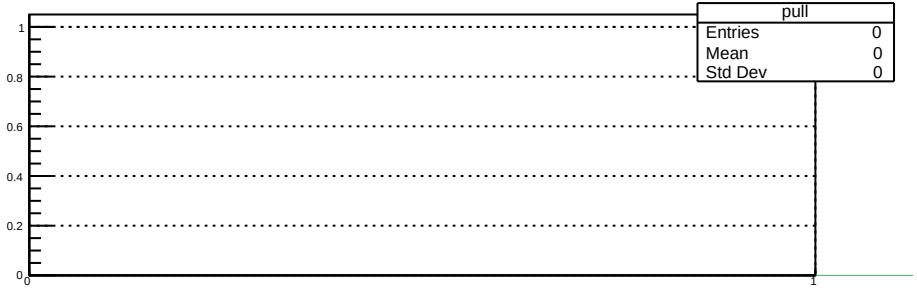

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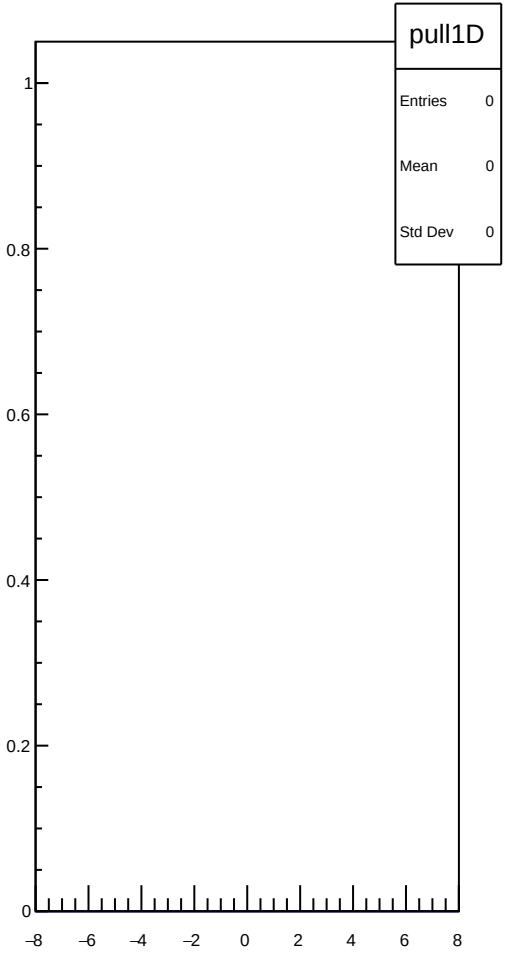

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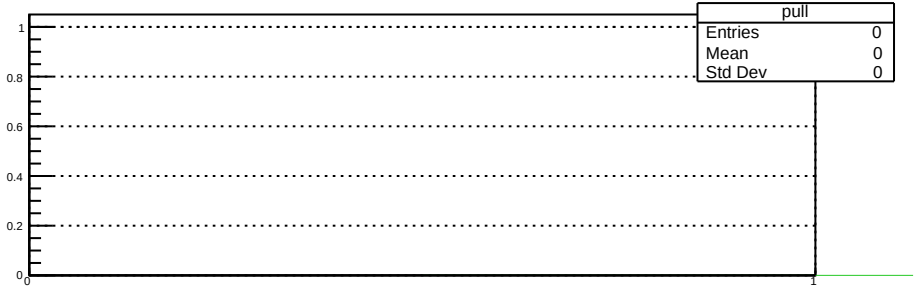

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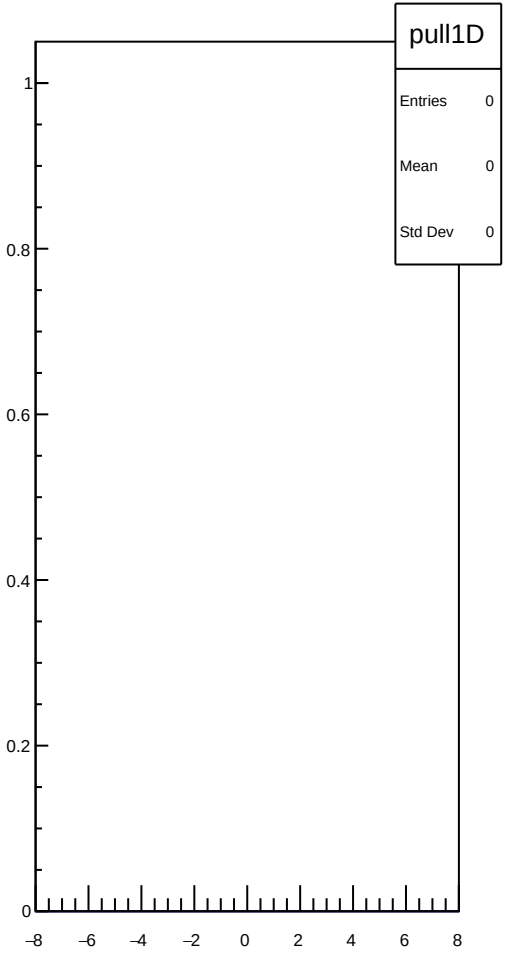

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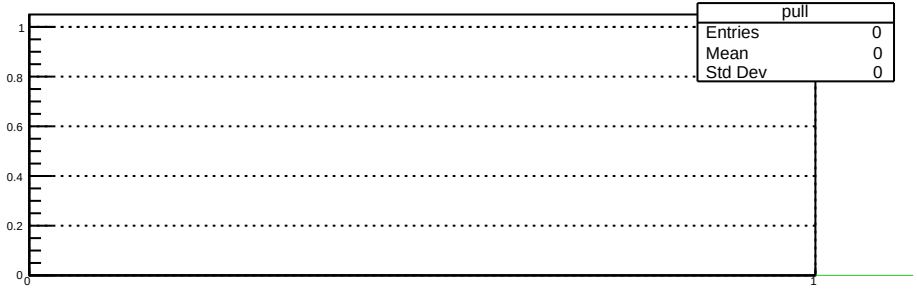

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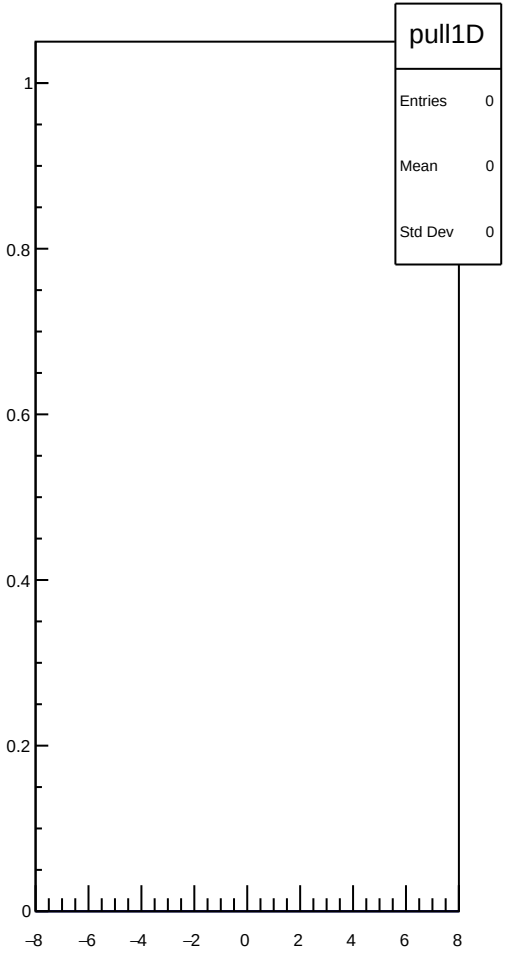

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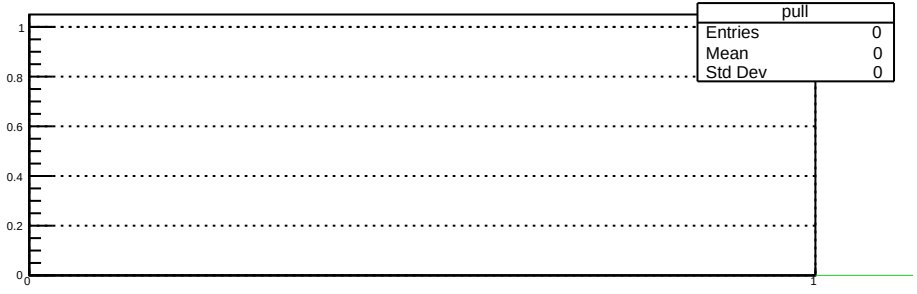

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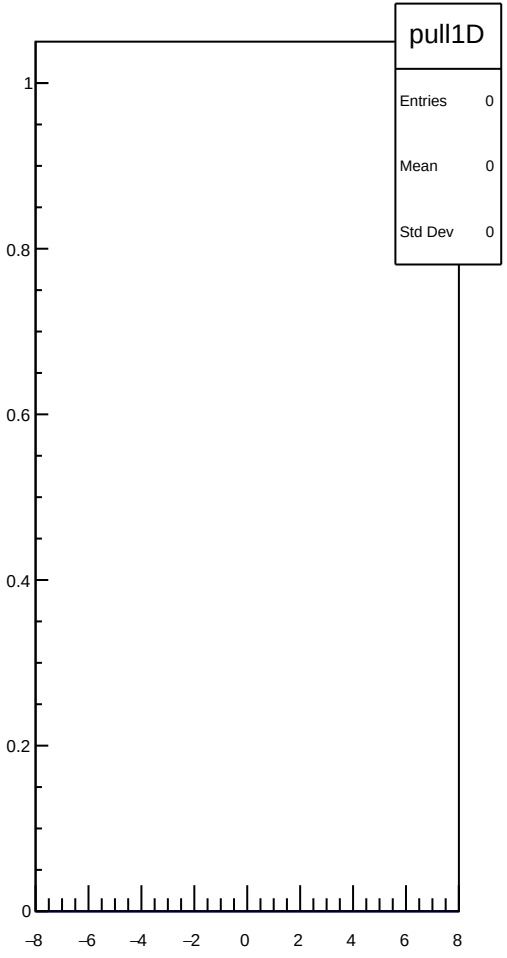

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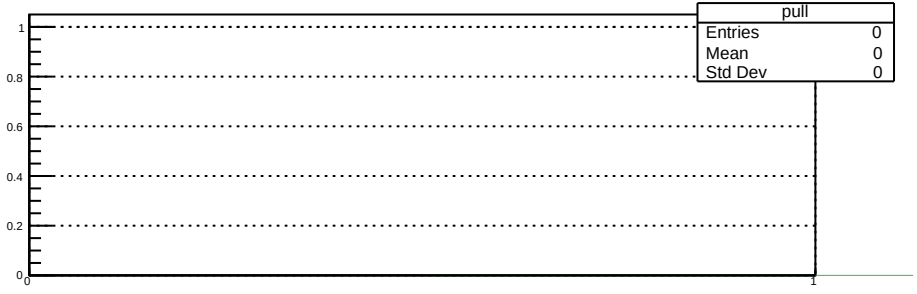

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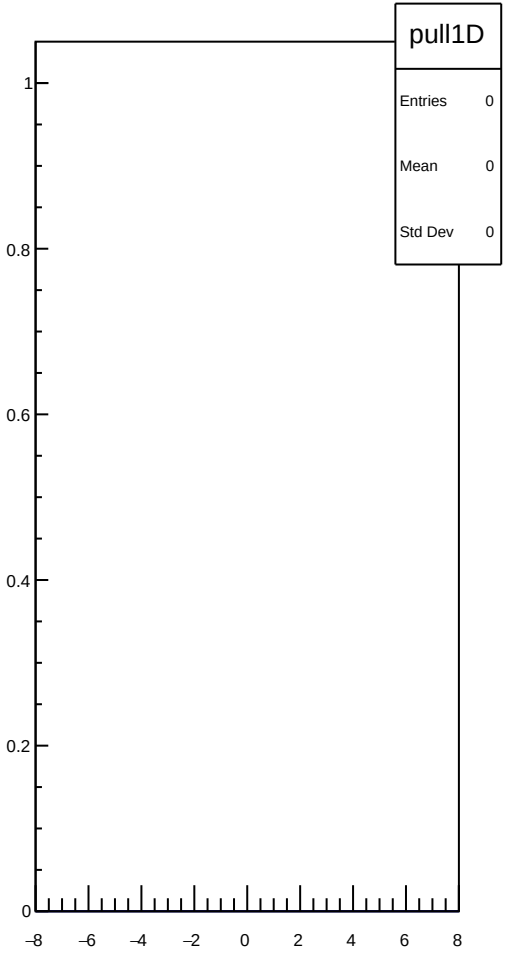

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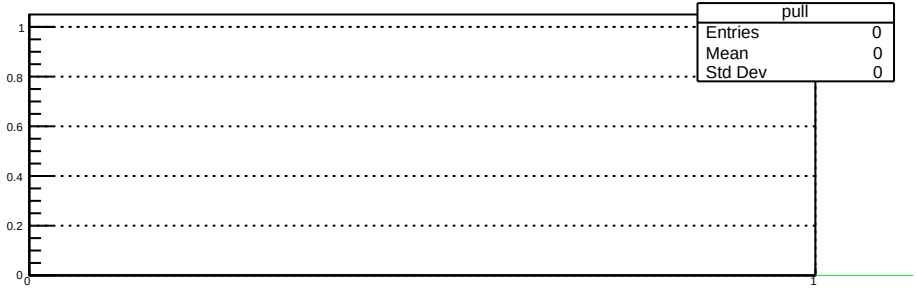

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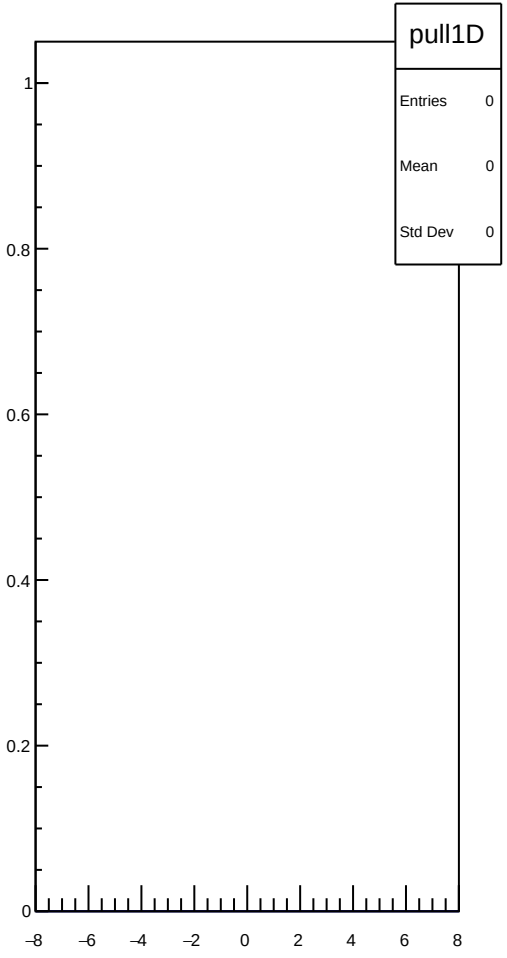

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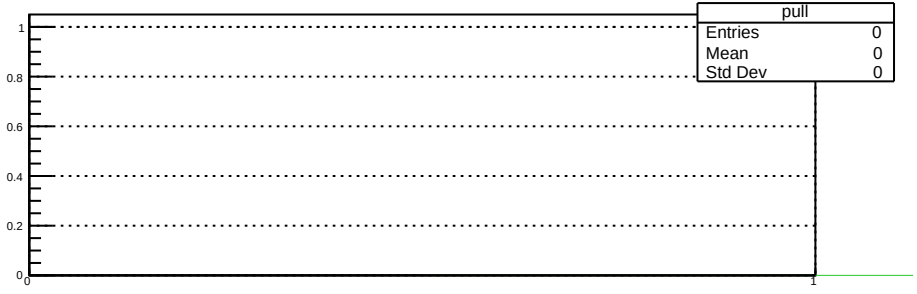

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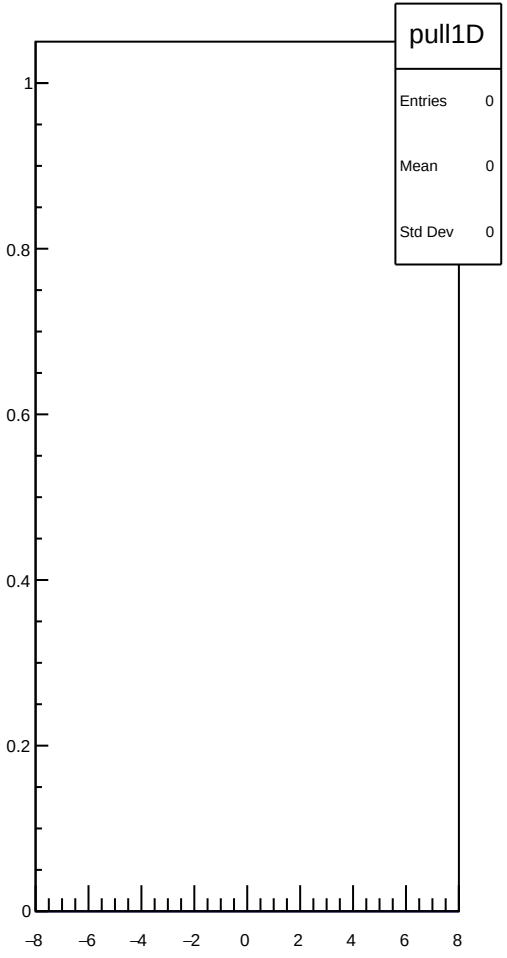

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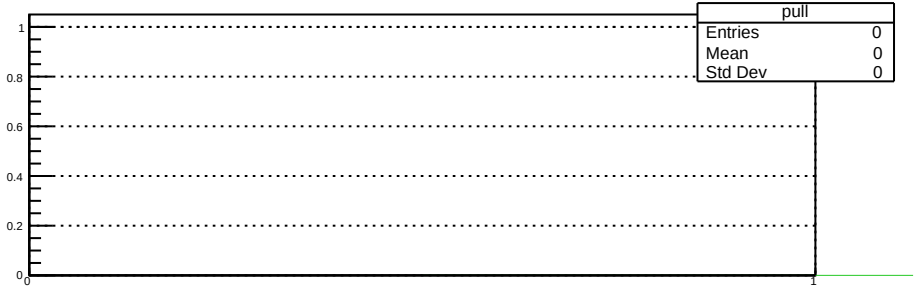

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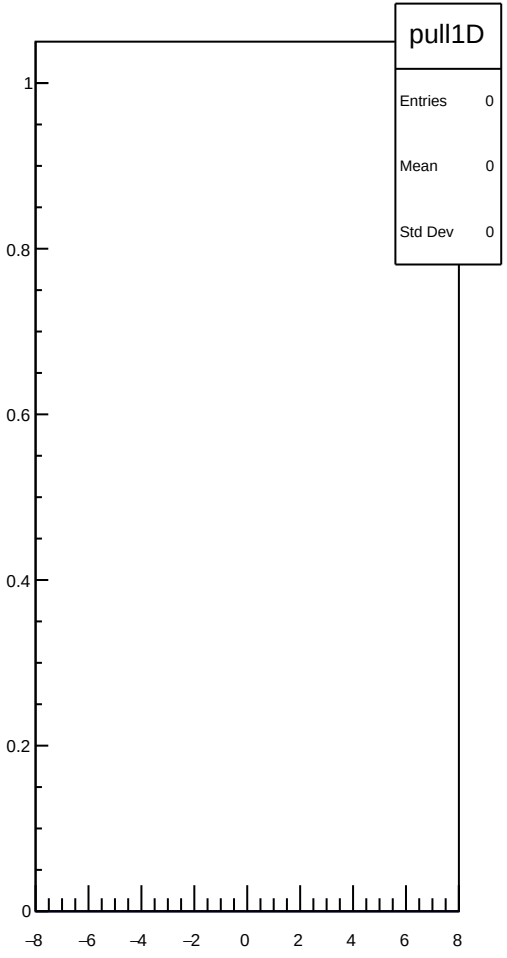

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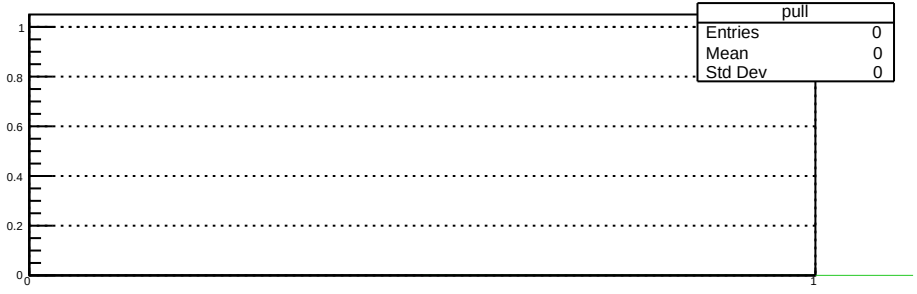

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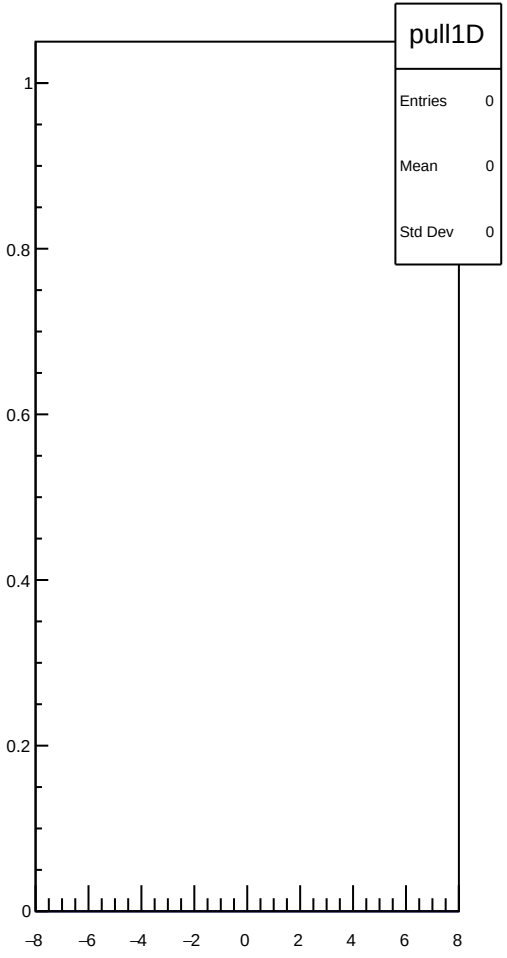

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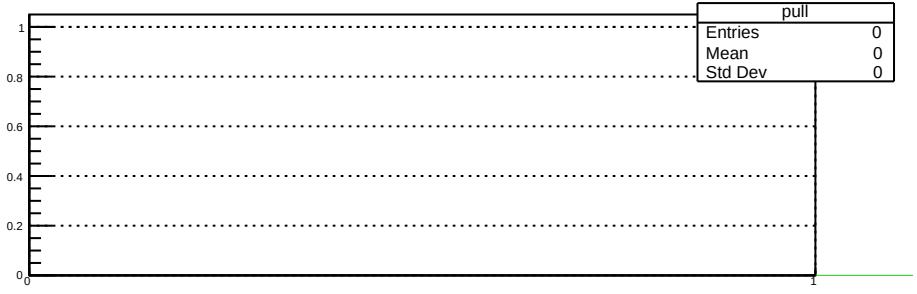

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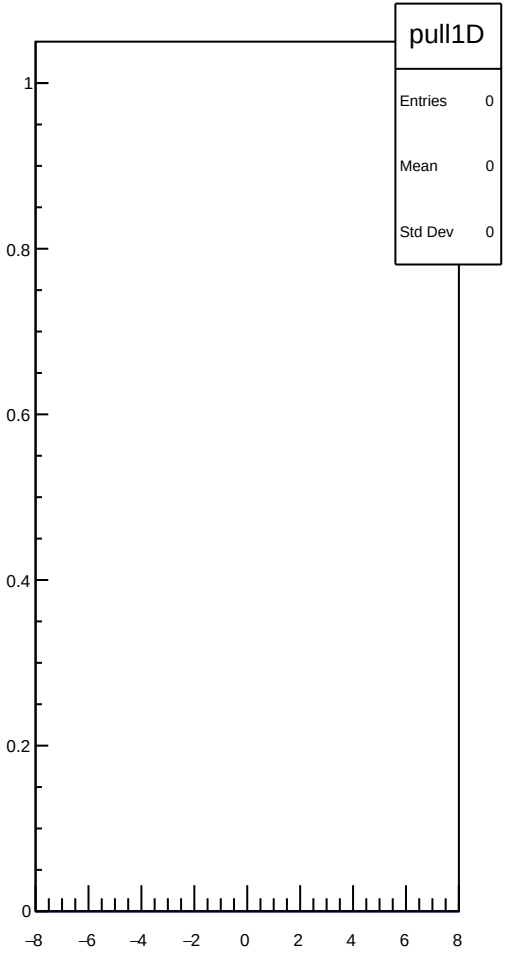

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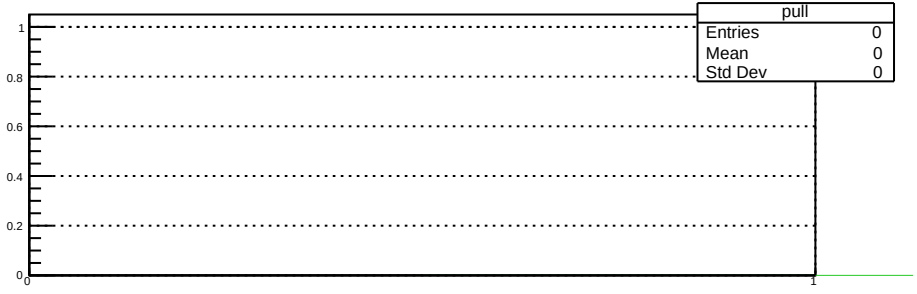

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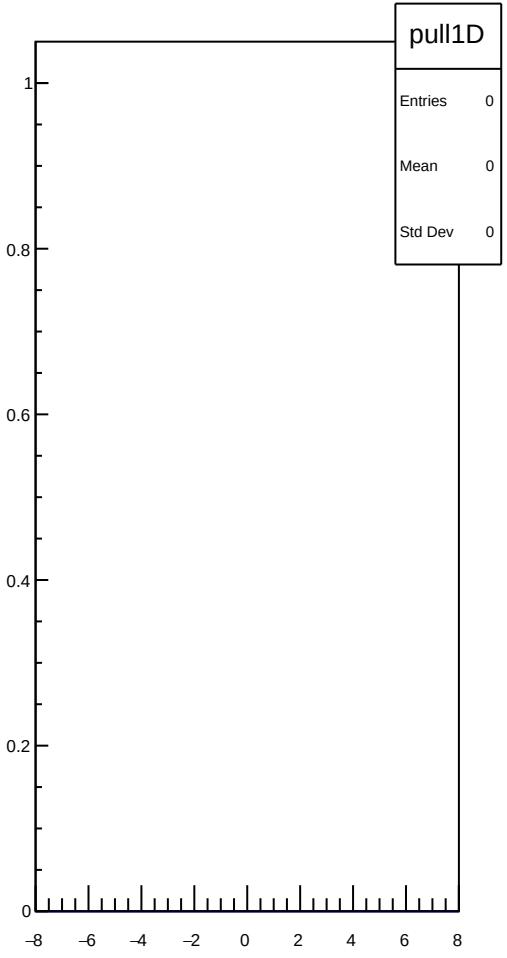

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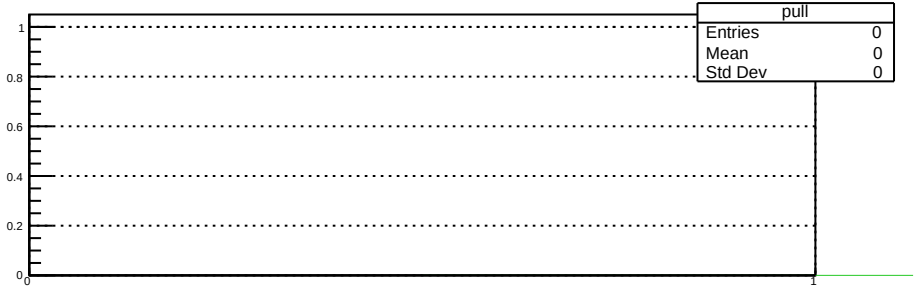

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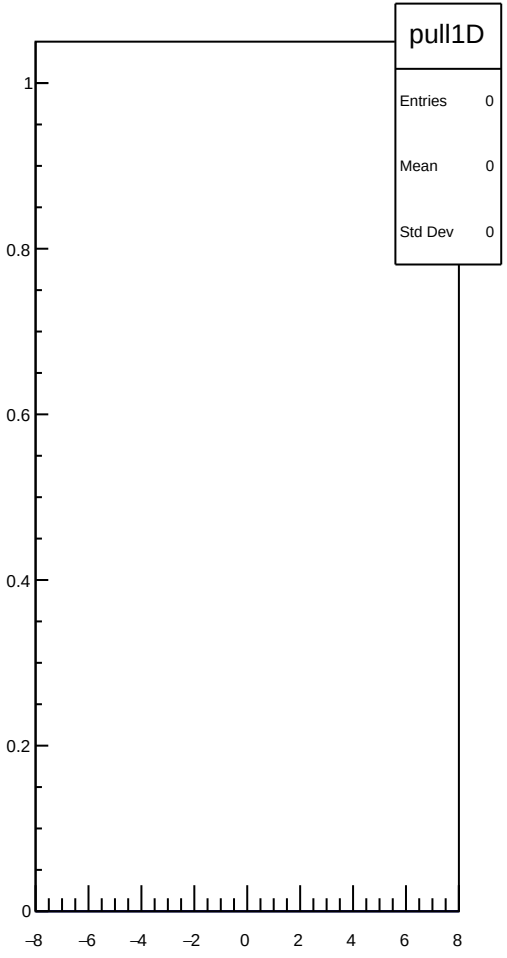

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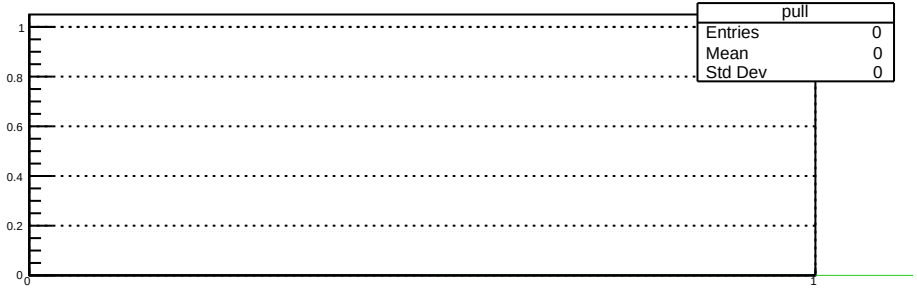

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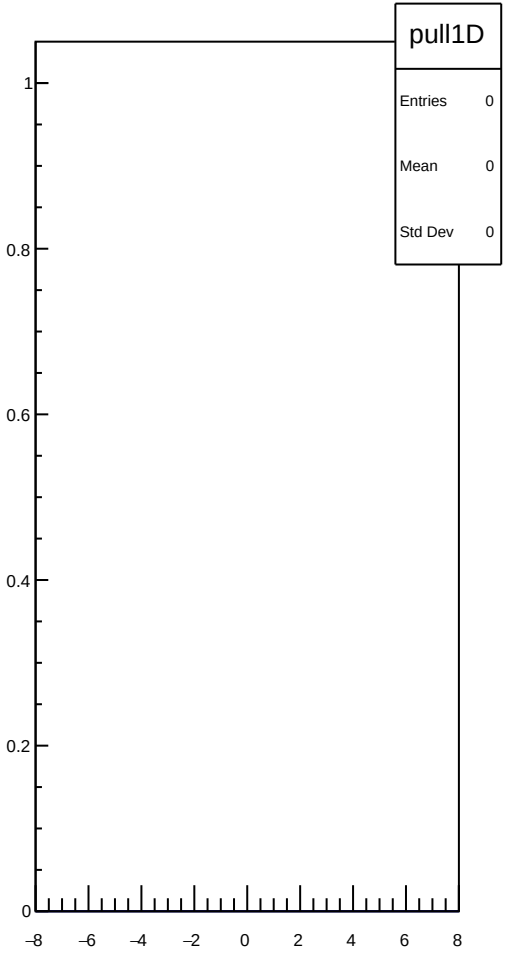

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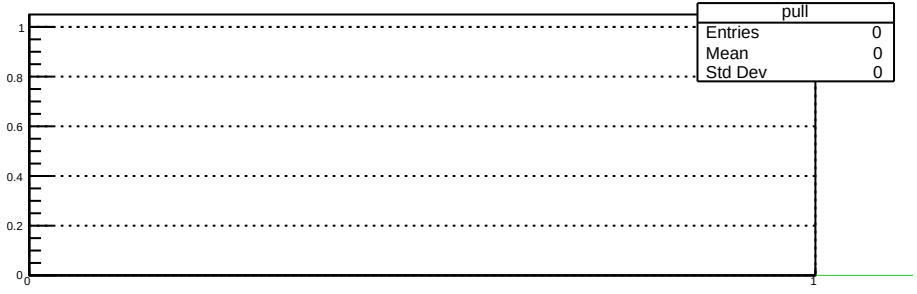

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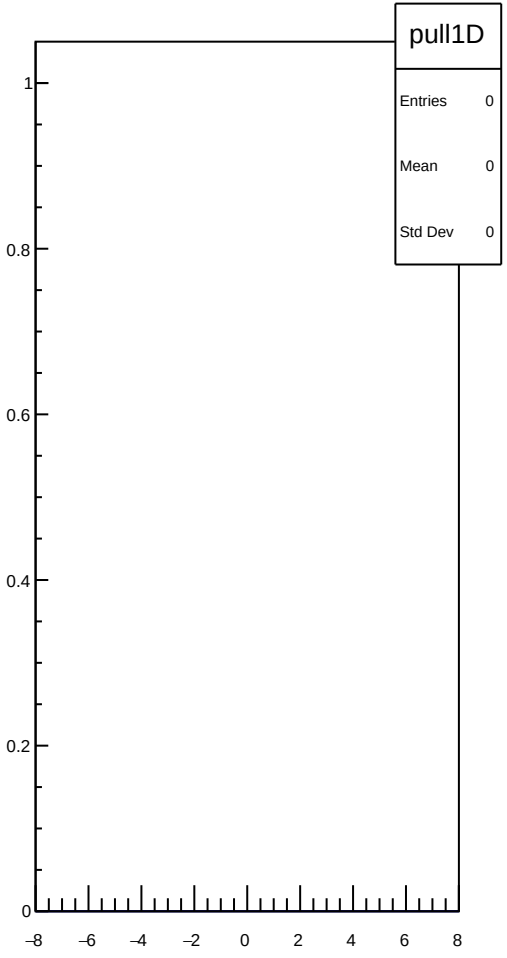

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Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

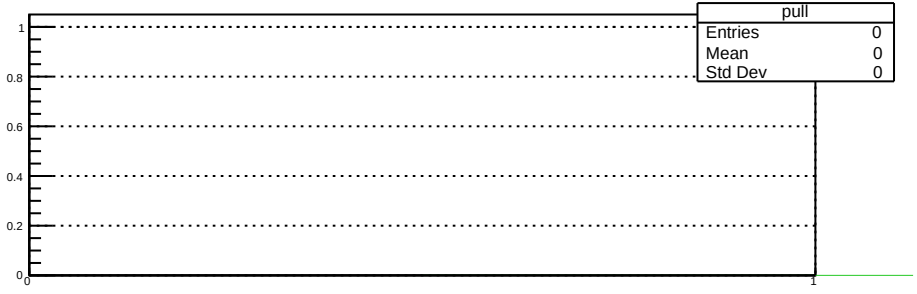

pull1D
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

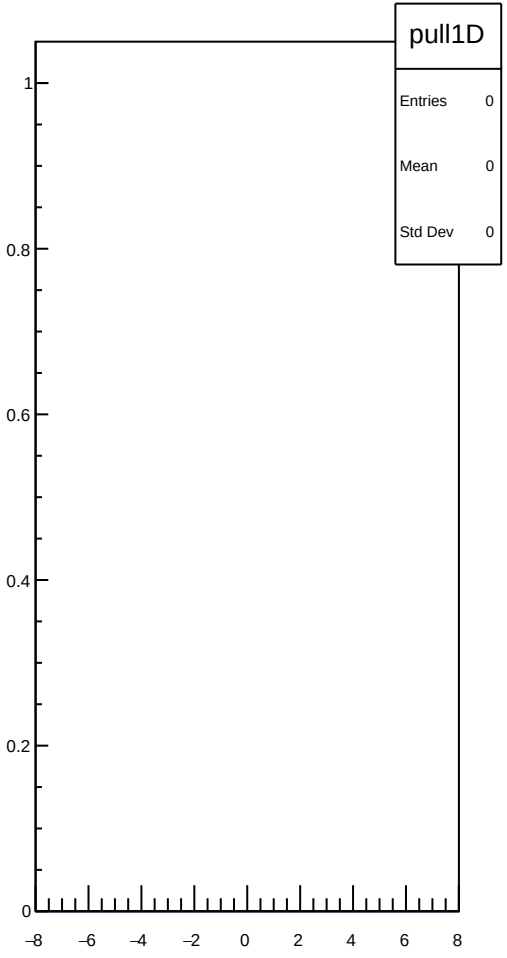

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

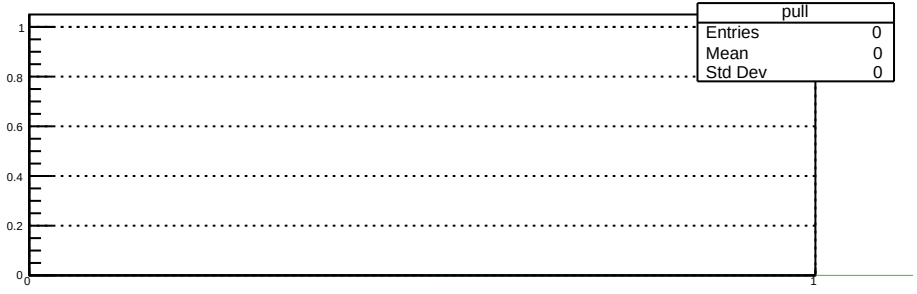

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

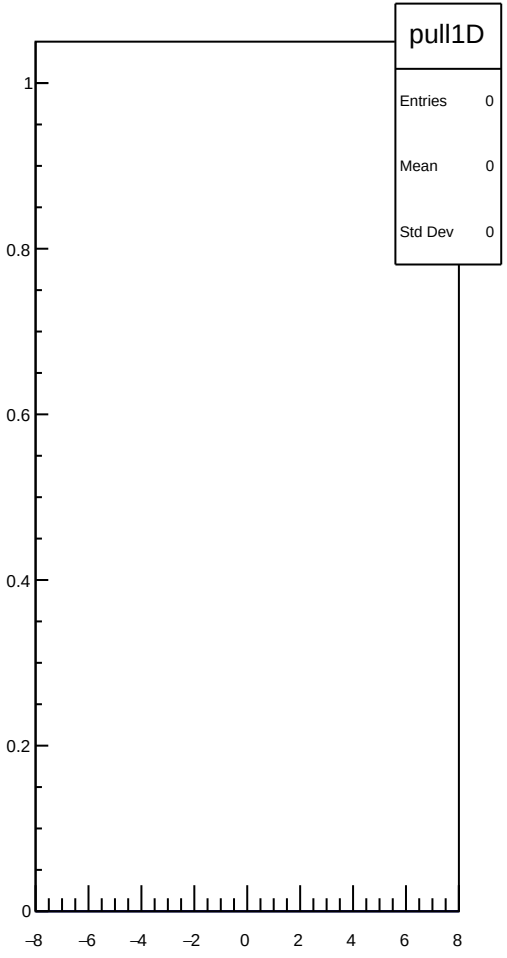

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

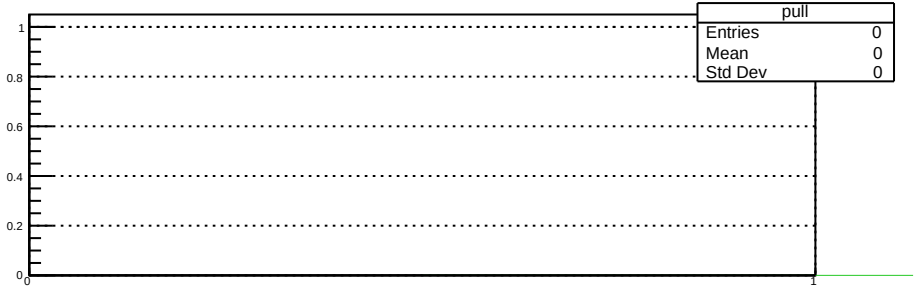

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

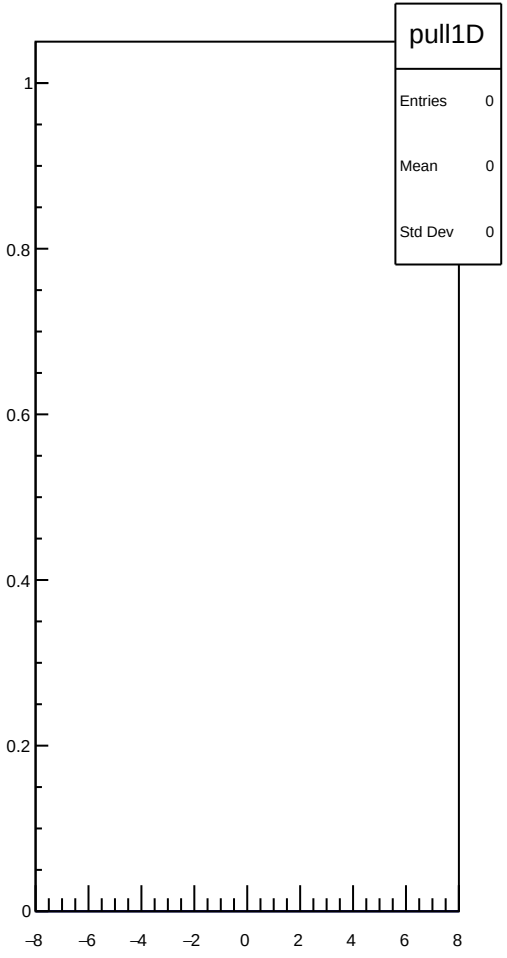

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

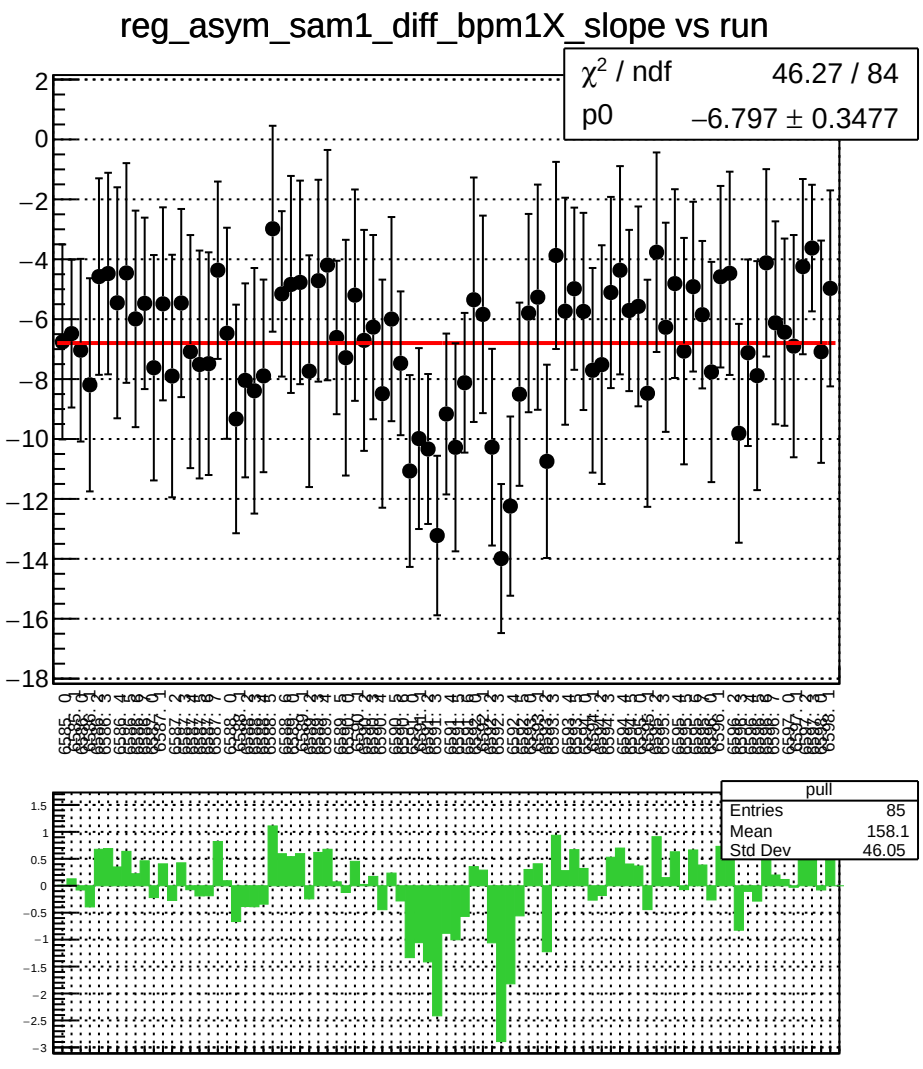

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

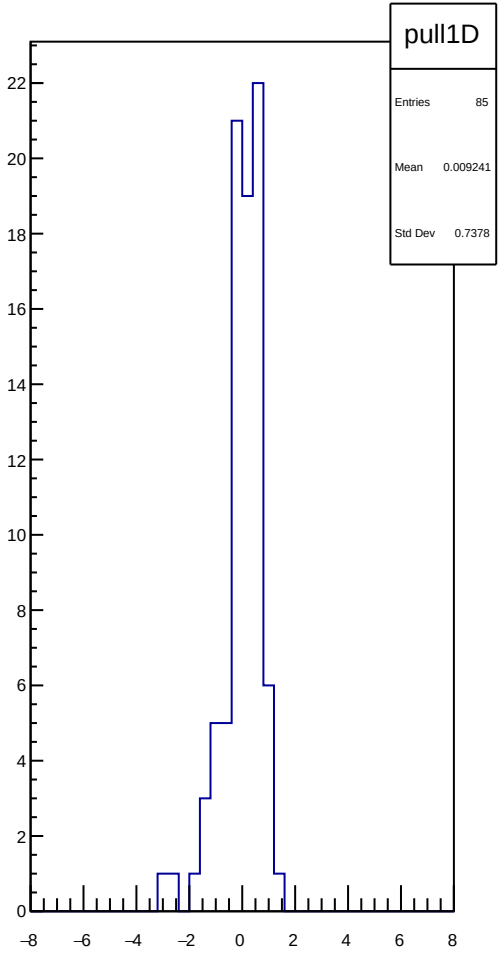

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

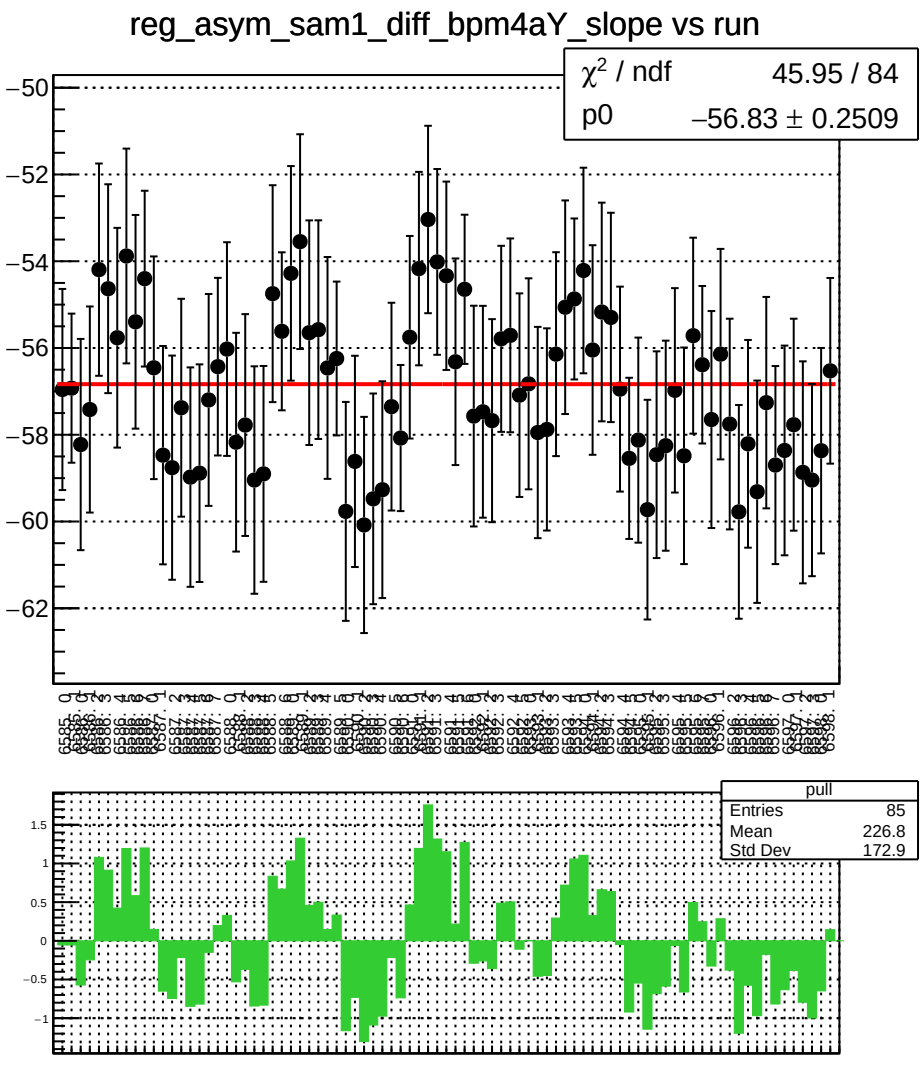

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

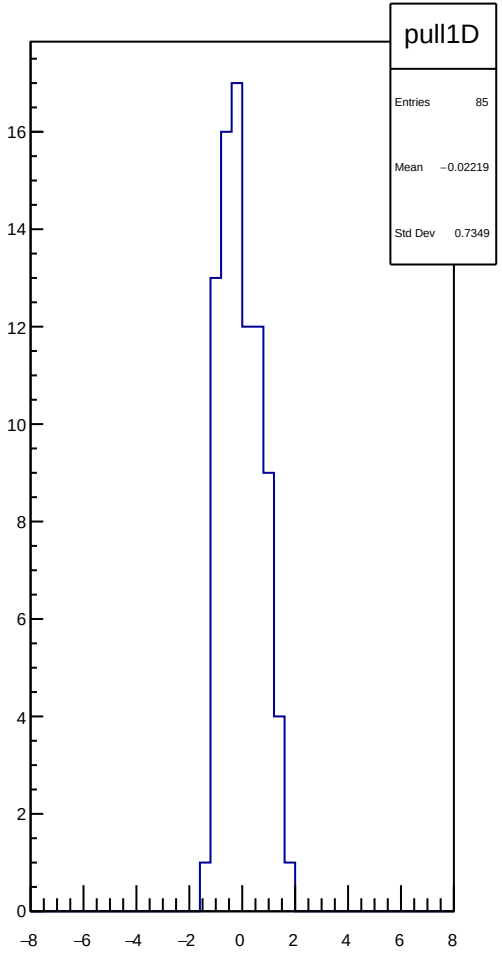

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

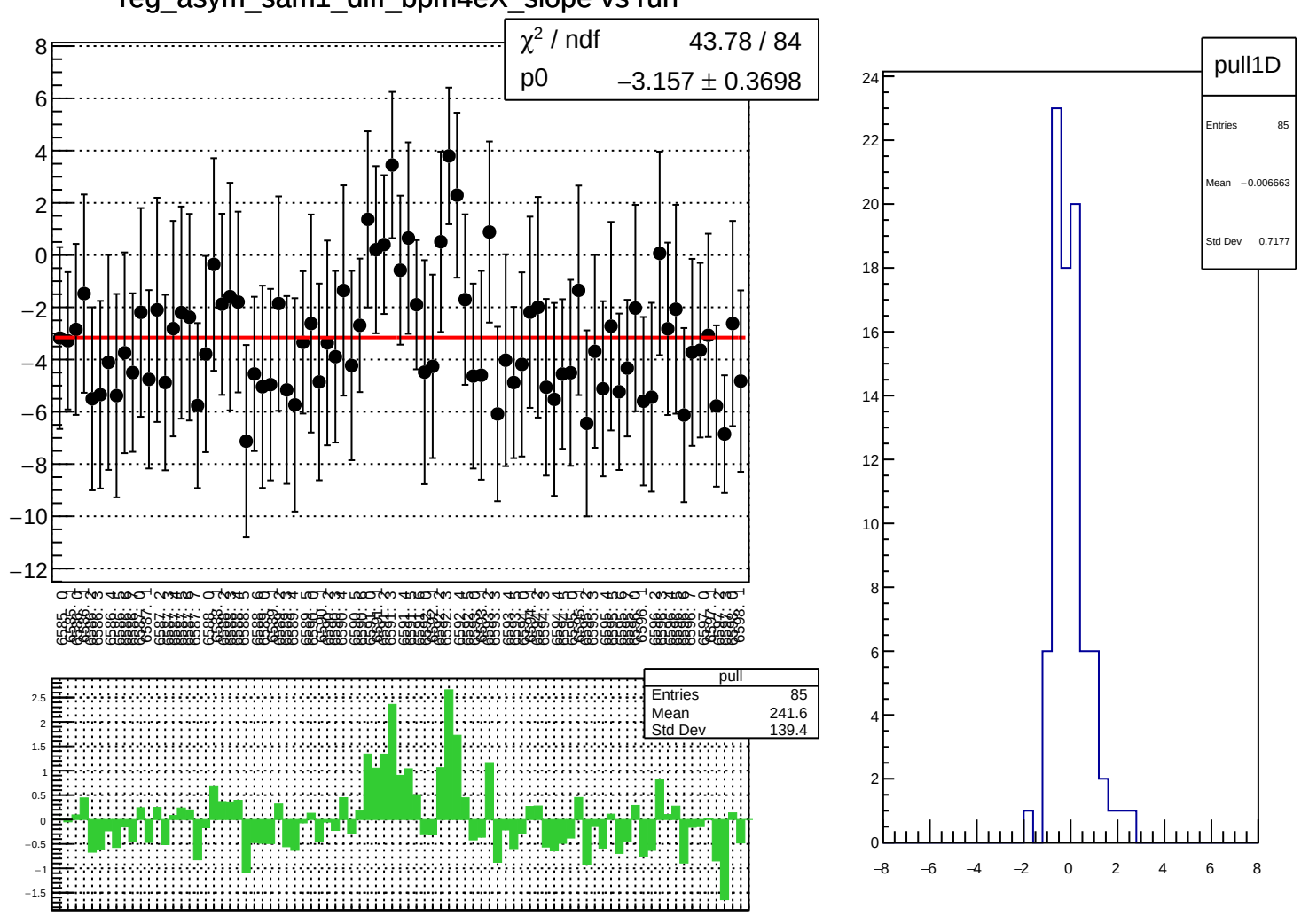

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

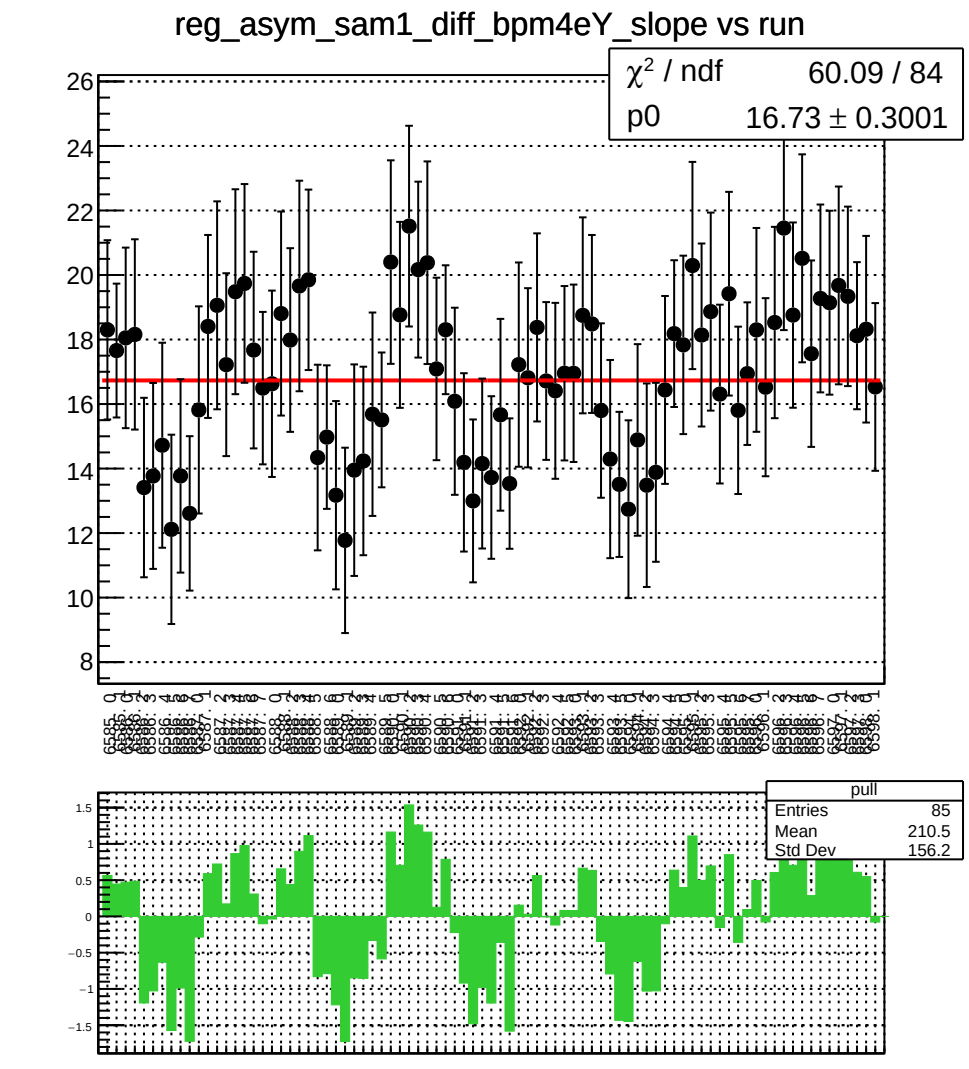

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 46.27 / 84
p0 −6.797 ± 0.3477
pull
Entries 85
Mean 158.1
Std Dev 46.05

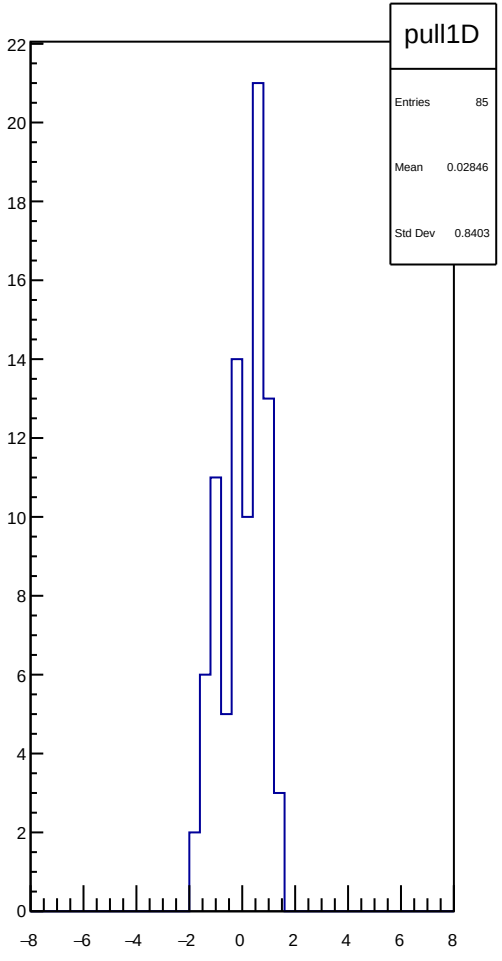

pull1D
Entries 85
Mean 0.009241
Std Dev 0.7378

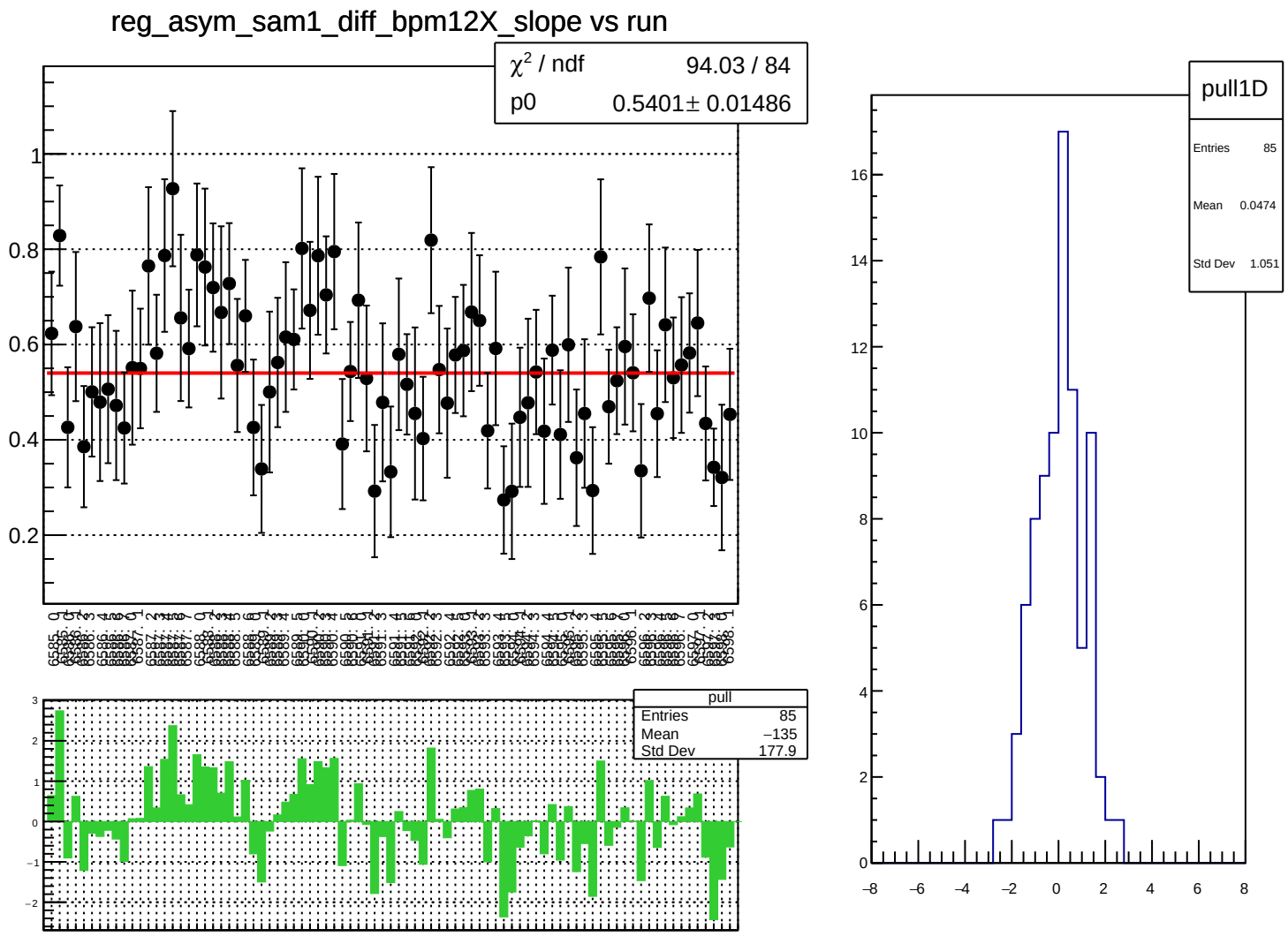

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 45.95 / 84
p0 −56.83 ± 0.2509
pull
Entries 85
Mean 226.8
Std Dev 172.9

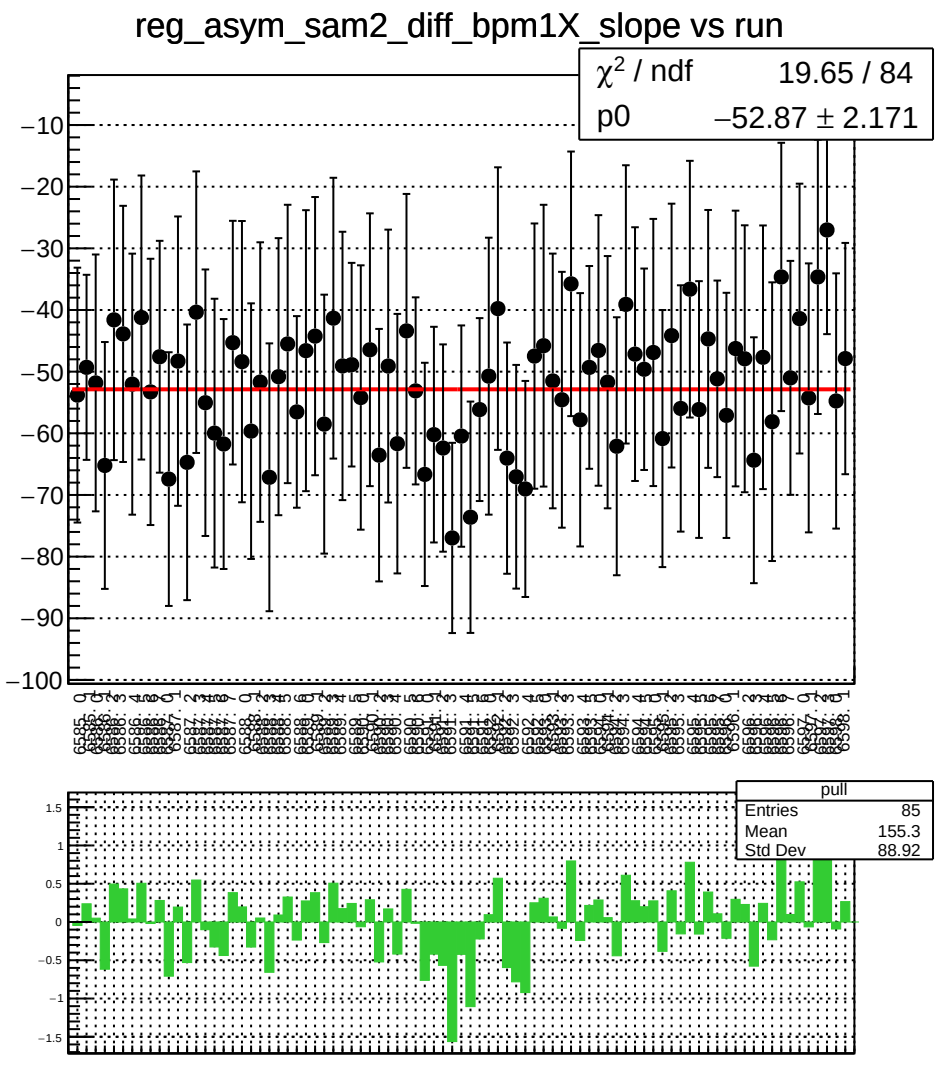

pull1D
Entries 85
Mean −0.02219
Std Dev 0.7349

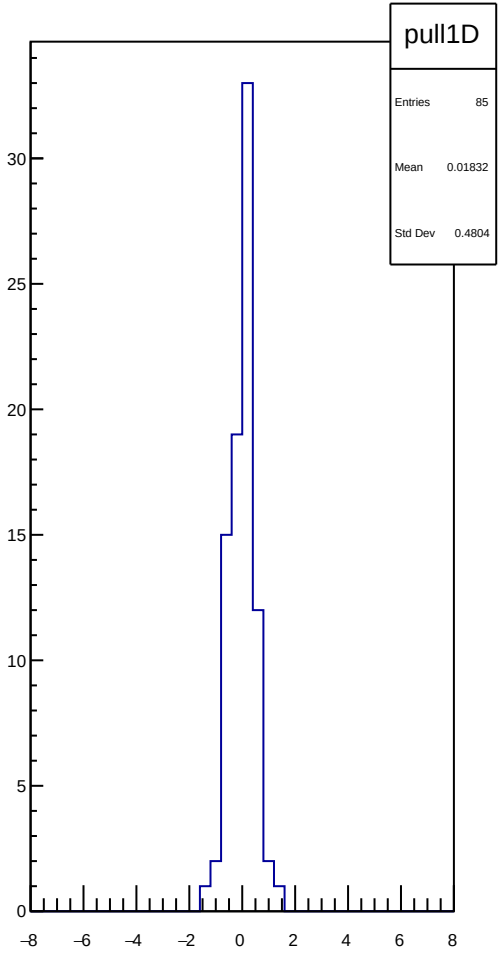

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 43.78 / 84
p0 −3.157 ± 0.3698
pull
Entries 85
Mean 241.6
Std Dev 139.4
pull1D
Entries 85
Mean −0.006663
Std Dev 0.7177

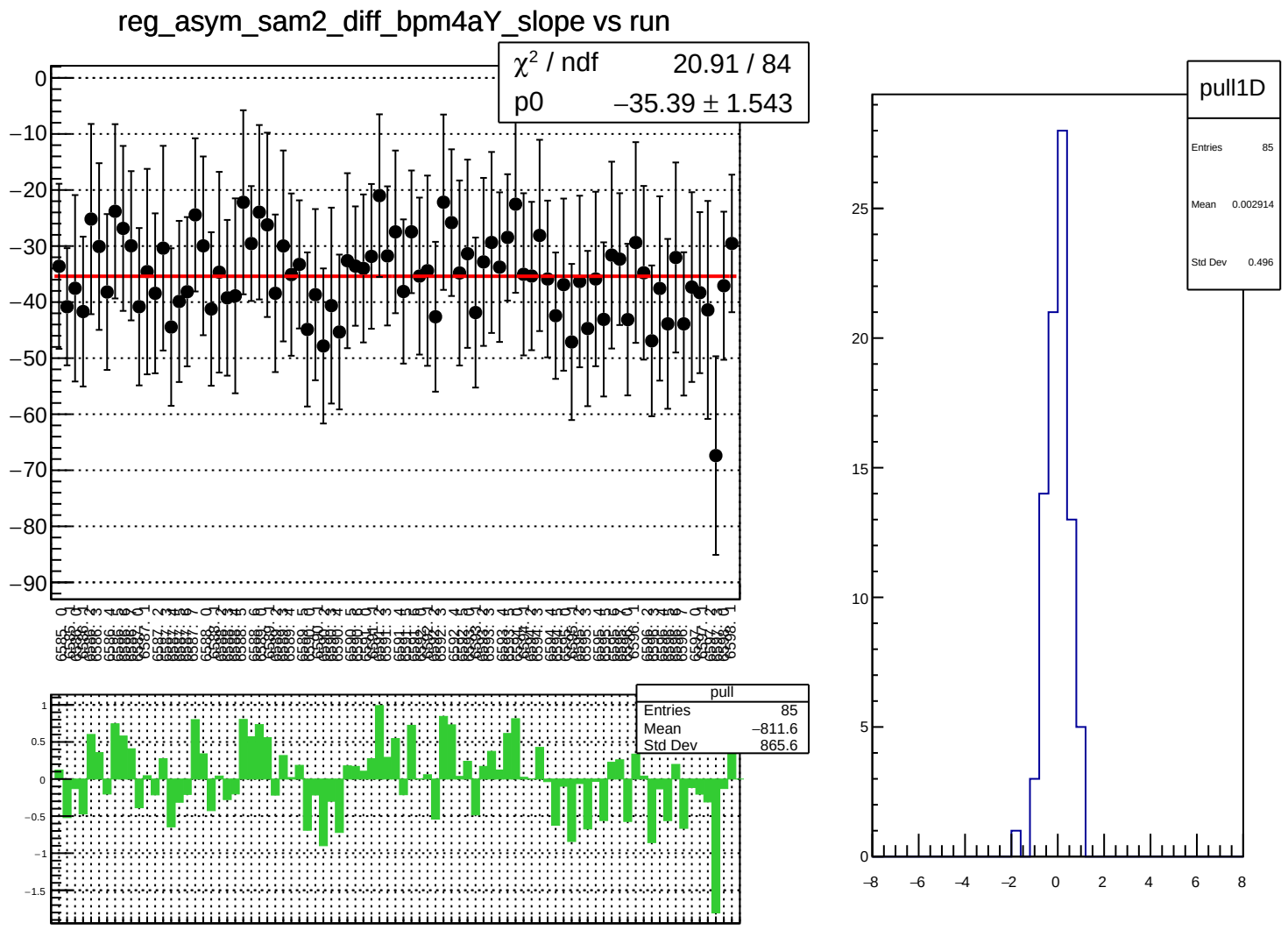

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 60.09 / 84
p0 16.73 ± 0.3001
pull
Entries 85
Mean 210.5
Std Dev 156.2

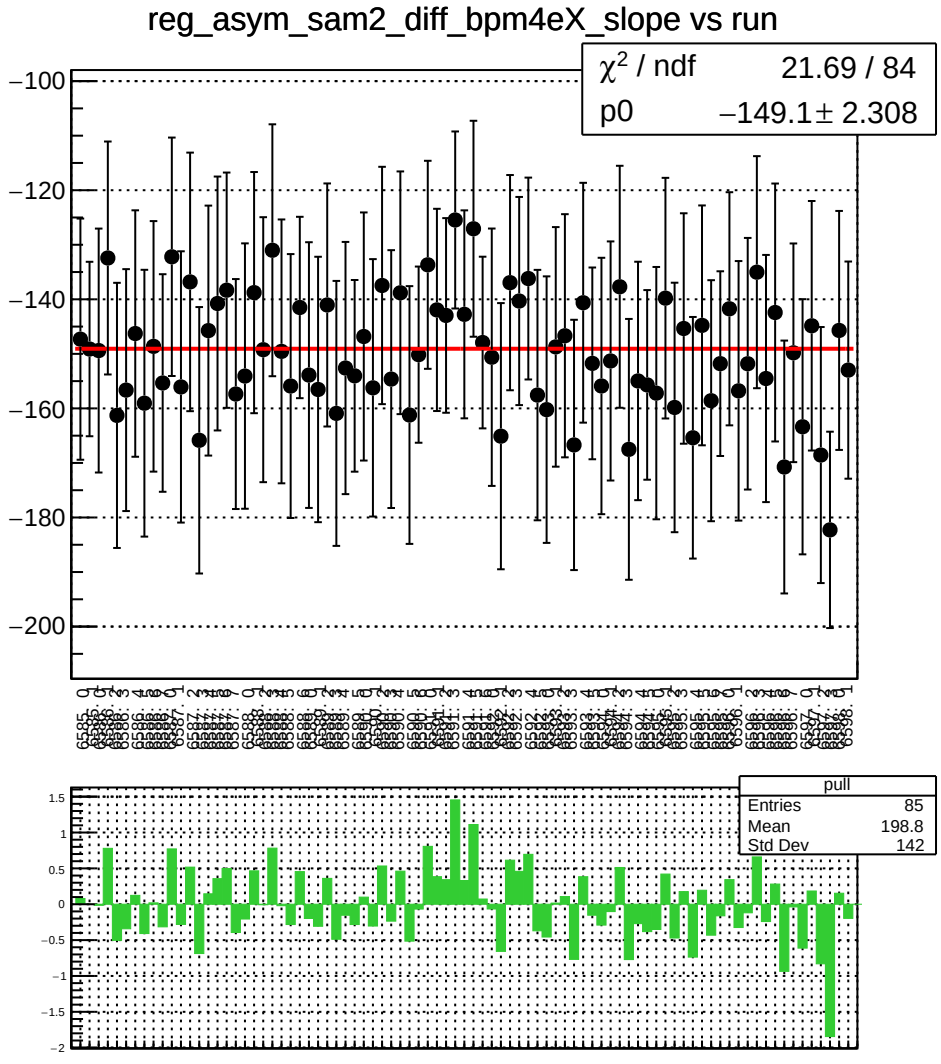

pull1D
Entries 85
Mean 0.02846
Std Dev 0.8403

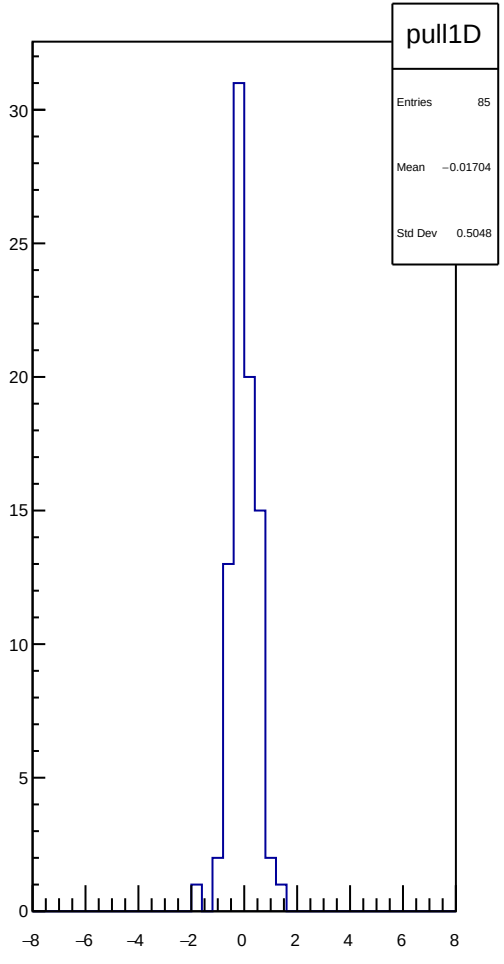

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 94.03 / 84
p0 0.5401± 0.01486
pull
Entries 85
Mean −135
Std Dev 177.9
pull1D
Entries 85
Mean 0.0474
Std Dev 1.051

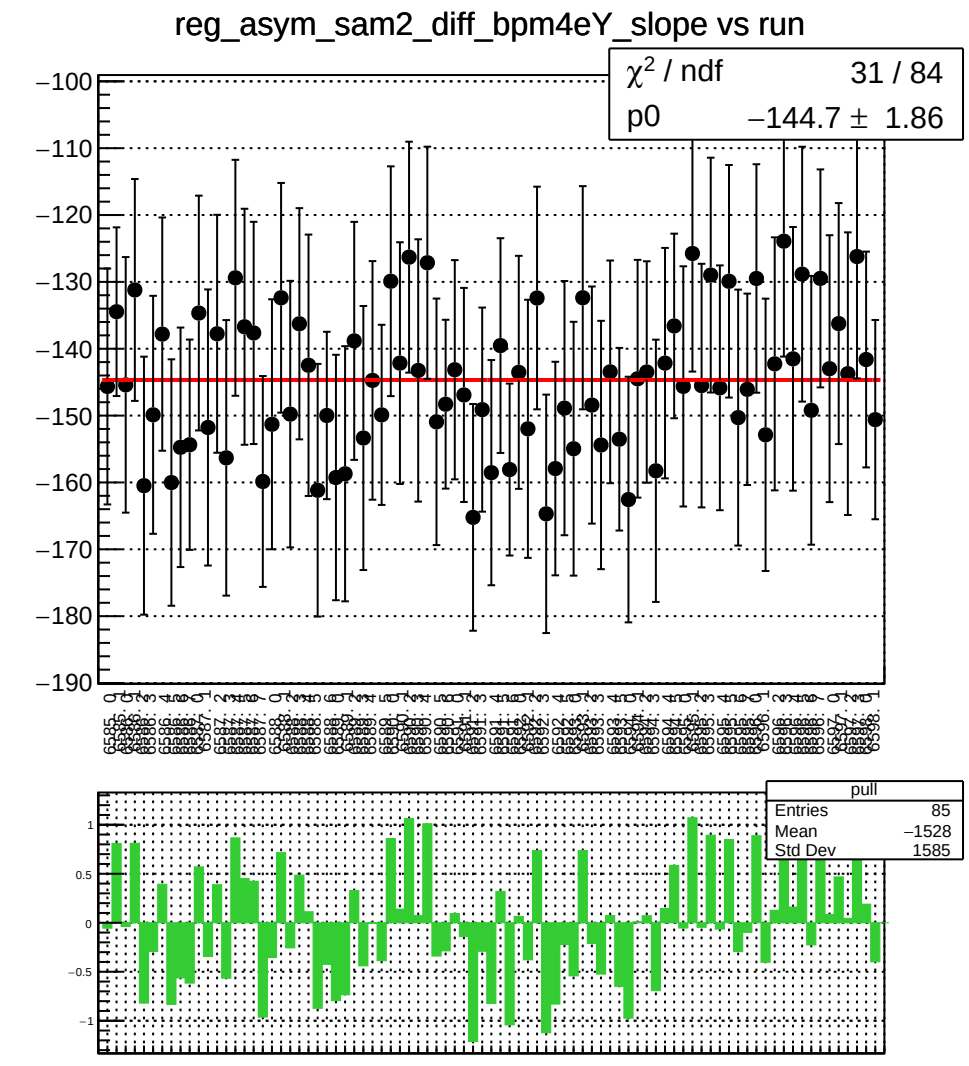

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 19.65 / 84
p0 −52.87 ± 2.171
pull
Entries 85
Mean 155.3
Std Dev 88.92

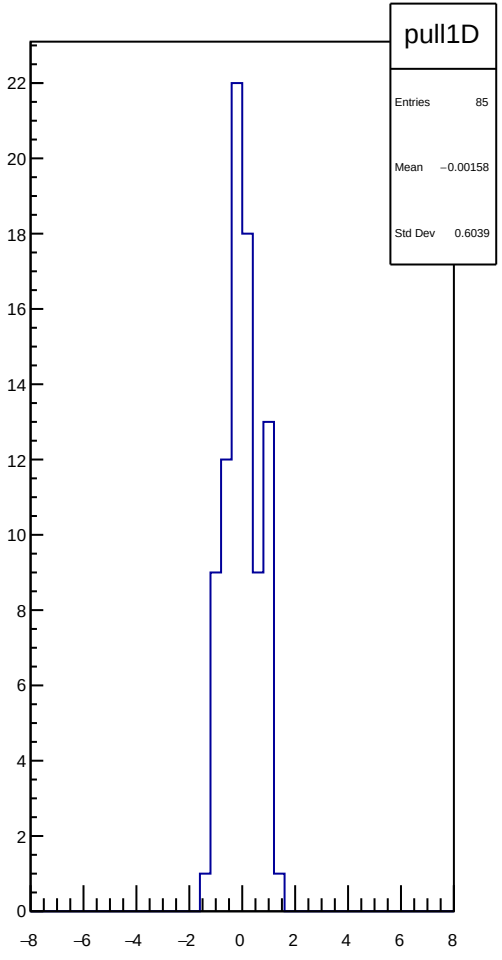

pull1D
Entries 85
Mean 0.01832
Std Dev 0.4804

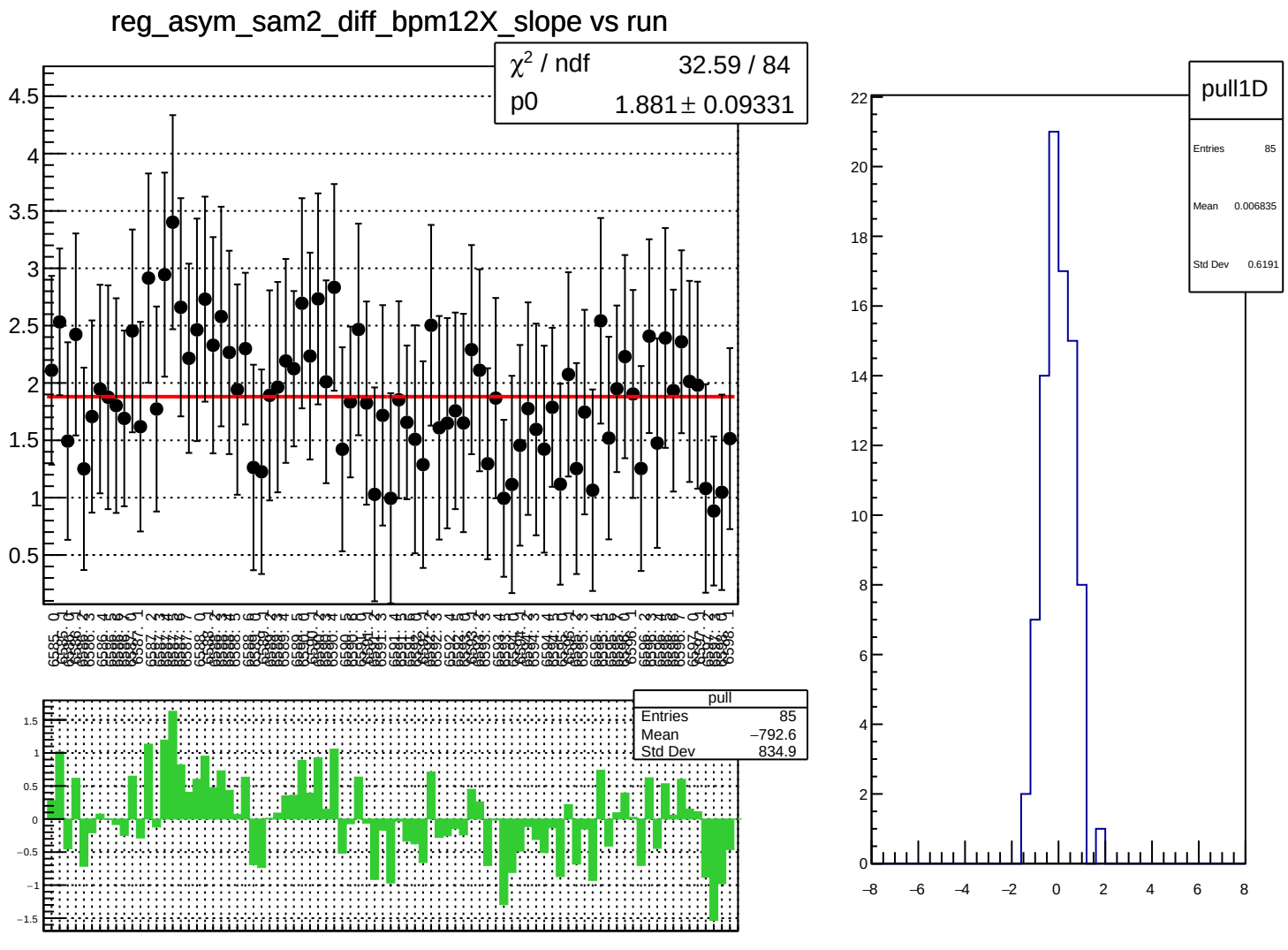

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 20.91 / 84
p0 −35.39 ± 1.543
pull
Entries 85
Mean −811.6
Std Dev 865.6
pull1D
Entries 85
Mean 0.002914
Std Dev 0.496

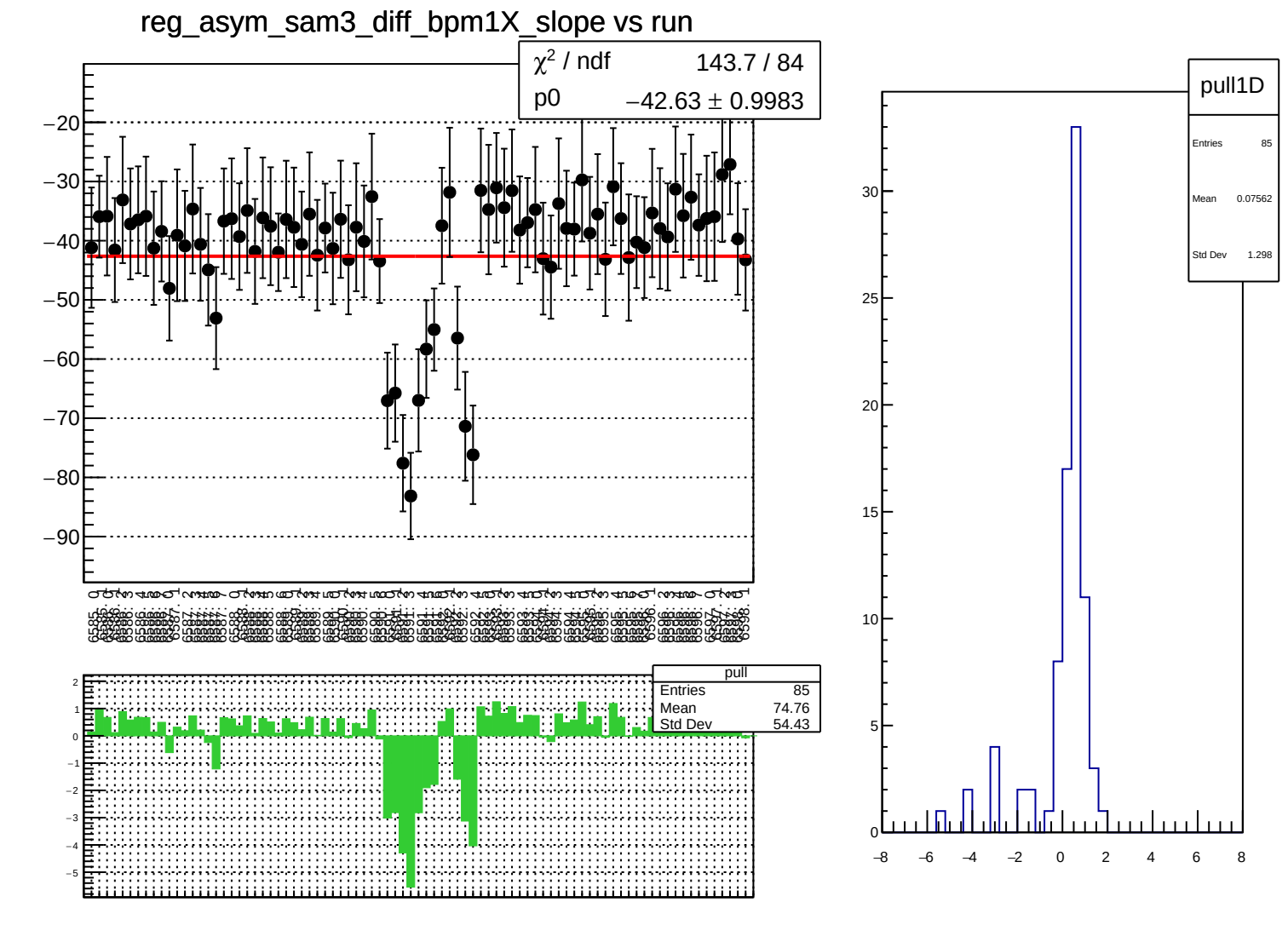

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 21.69 / 84
p0 −149.1± 2.308
−100
−120
−140
−160
−180
−200
pull
Entries 85
Mean 198.8
Std Dev 142
1.5
1
0.5
0
−0.5
−1
−1.5
−2

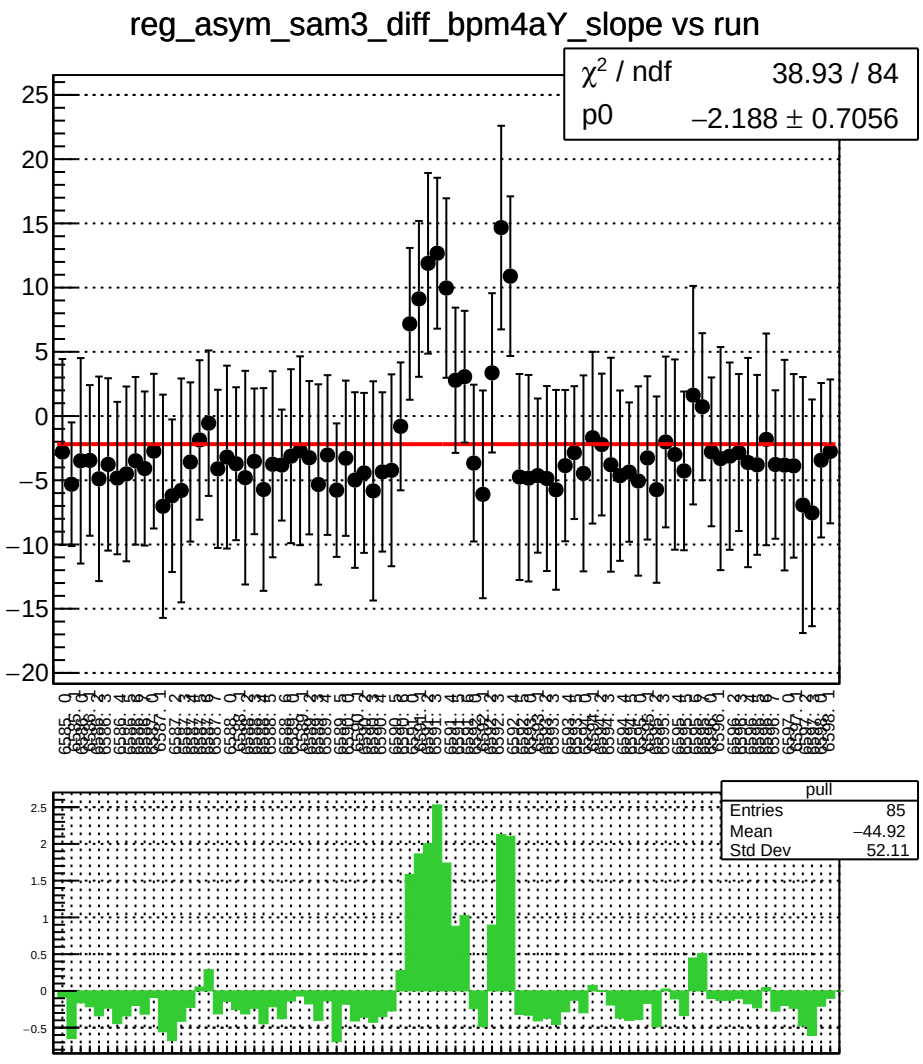

pull1D
Entries 85
Mean −0.01704
Std Dev 0.5048
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

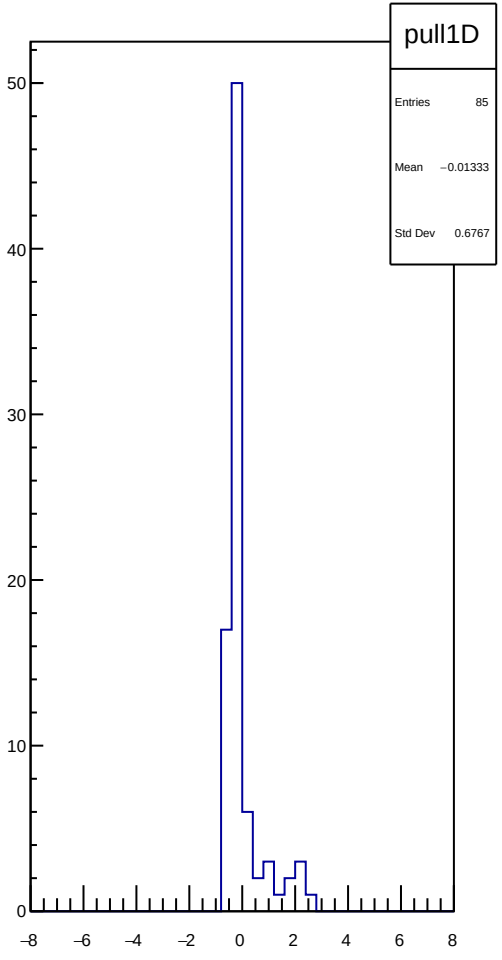

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 31 / 84
p0 −144.7 ± 1.86
pull
Entries 85
Mean −1528
Std Dev 1585

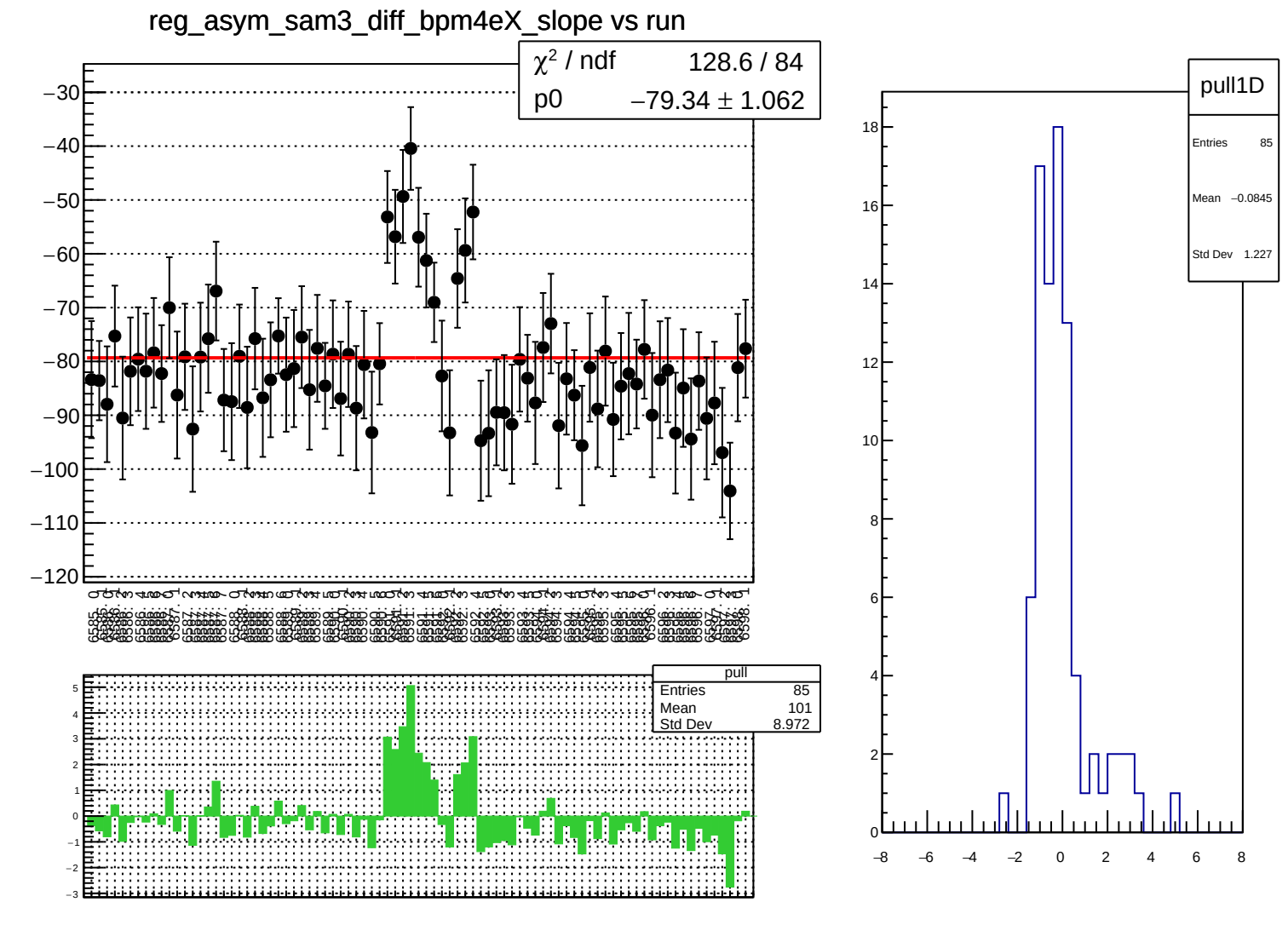

pull1D
Entries 85
Mean −0.00158
Std Dev 0.6039

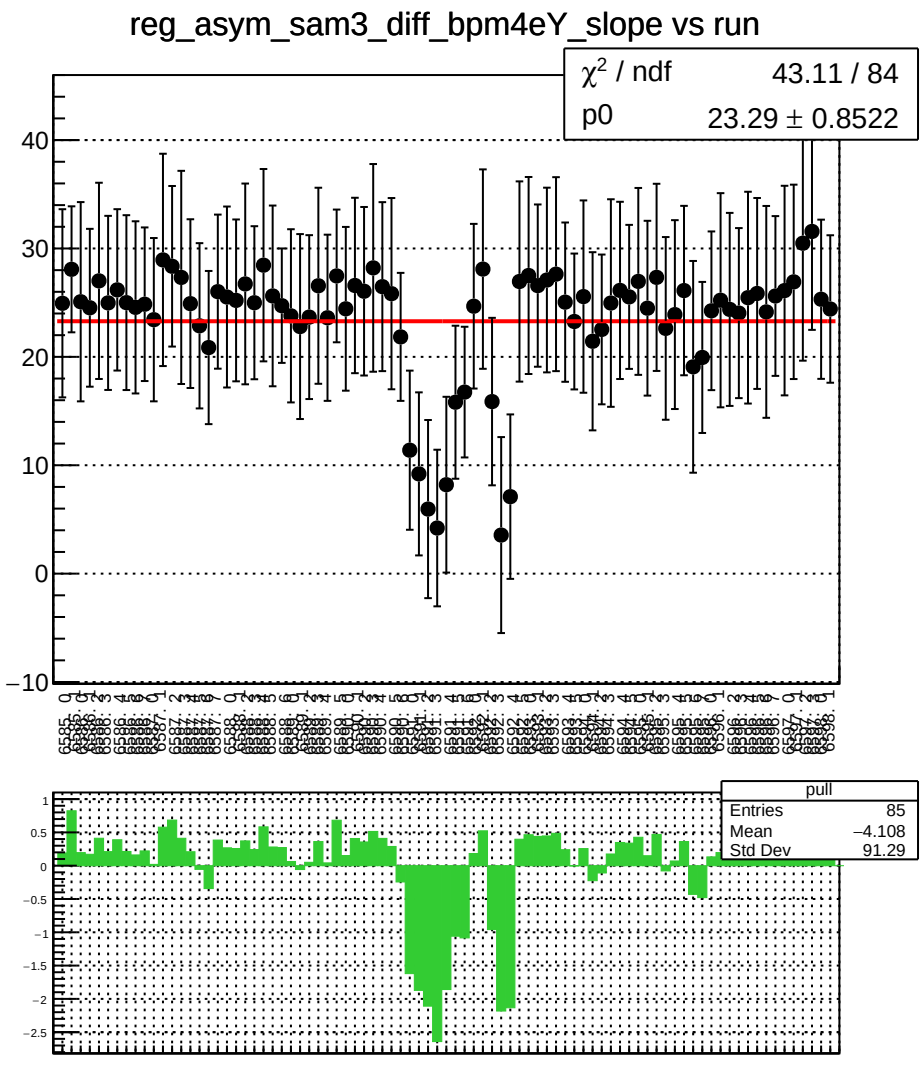

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 32.59 / 84
p0 1.881 ± 0.09331
pull
Entries 85
Mean −792.6
Std Dev 834.9
pull1D
Entries 85
Mean 0.006835
Std Dev 0.6191

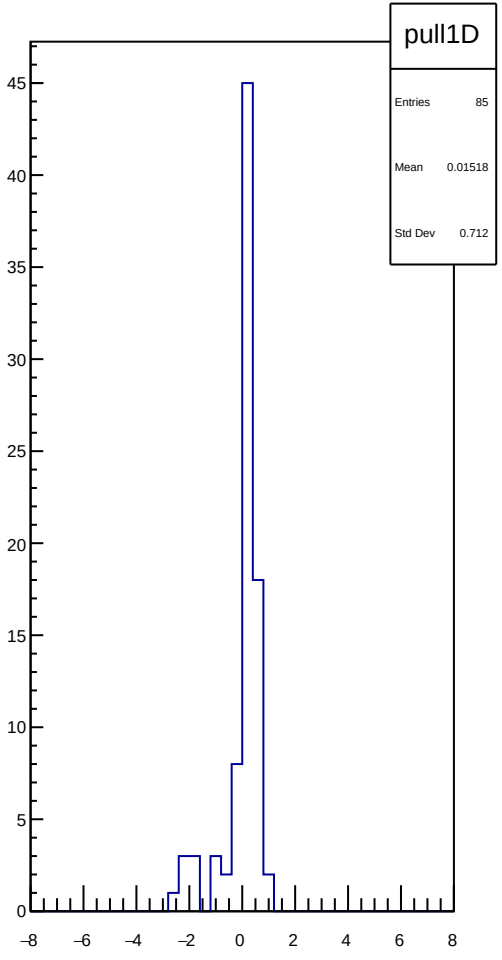

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 143.7 / 84
p0 −42.63 ± 0.9983
pull
Entries 85
Mean 74.76
Std Dev 54.43
pull1D
Entries 85
Mean 0.07562
Std Dev 1.298

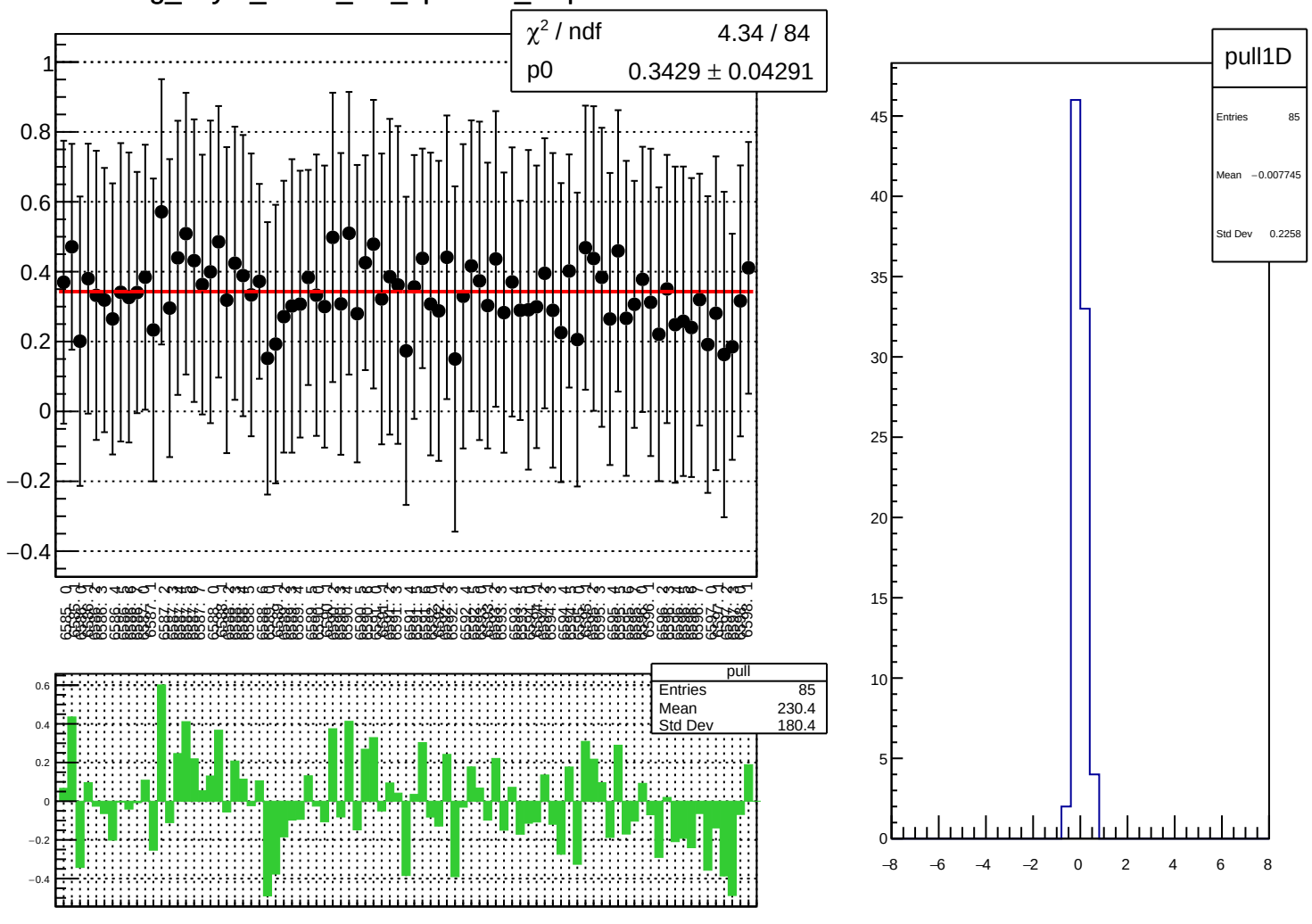

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 38.93 / 84
p0 −2.188 ± 0.7056
pull
Entries 85
Mean −44.92
Std Dev 52.11

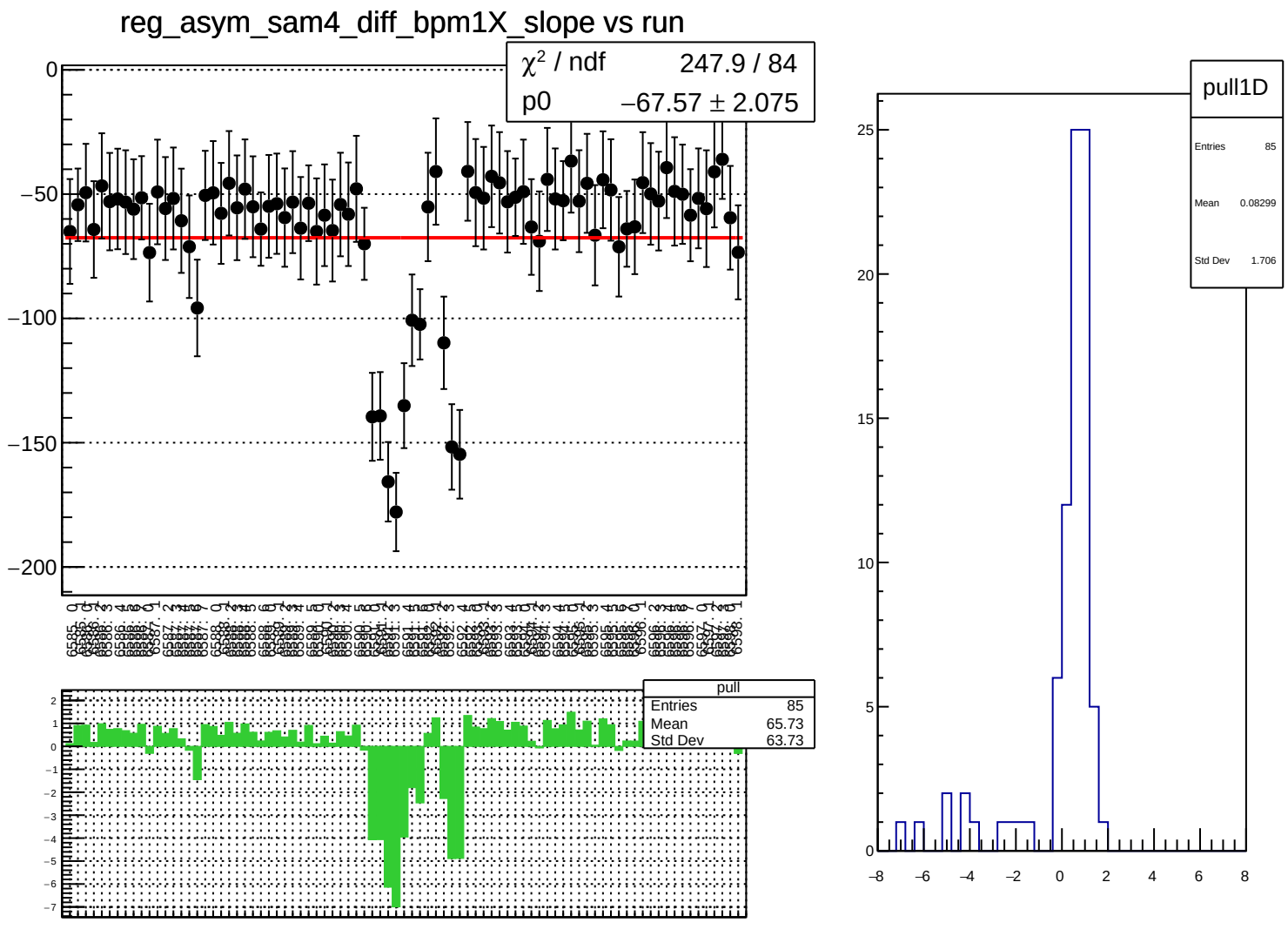

pull1D
Entries 85
Mean −0.01333
Std Dev 0.6767

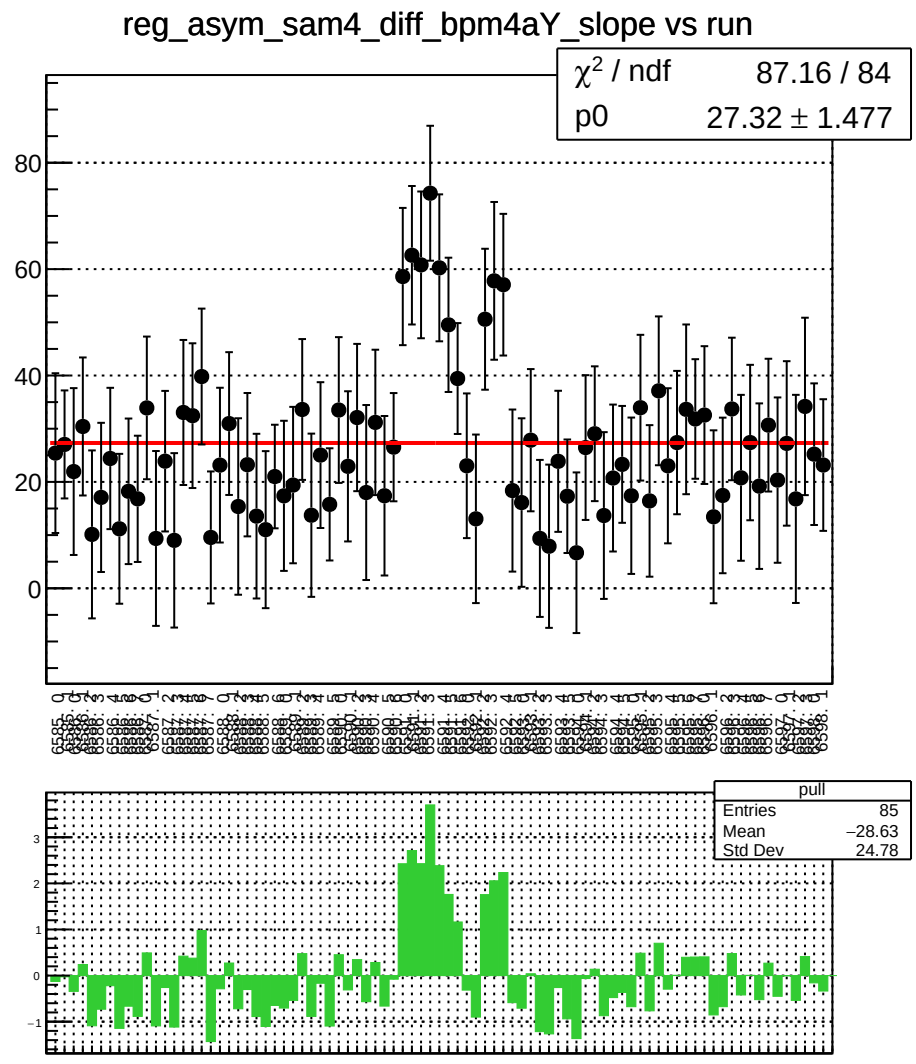

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 128.6 / 84
p0 −79.34 ± 1.062
pull
Entries 85
Mean 101
Std Dev 8.972
pull1D
Entries 85
Mean −0.0845
Std Dev 1.227

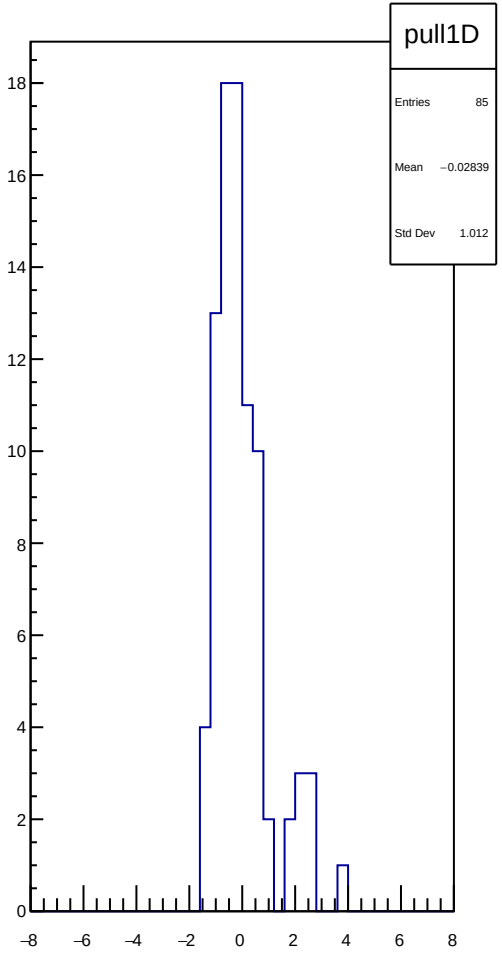

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 43.11 / 84
p0 23.29 ± 0.8522
pull
Entries 85
Mean −4.108
Std Dev 91.29

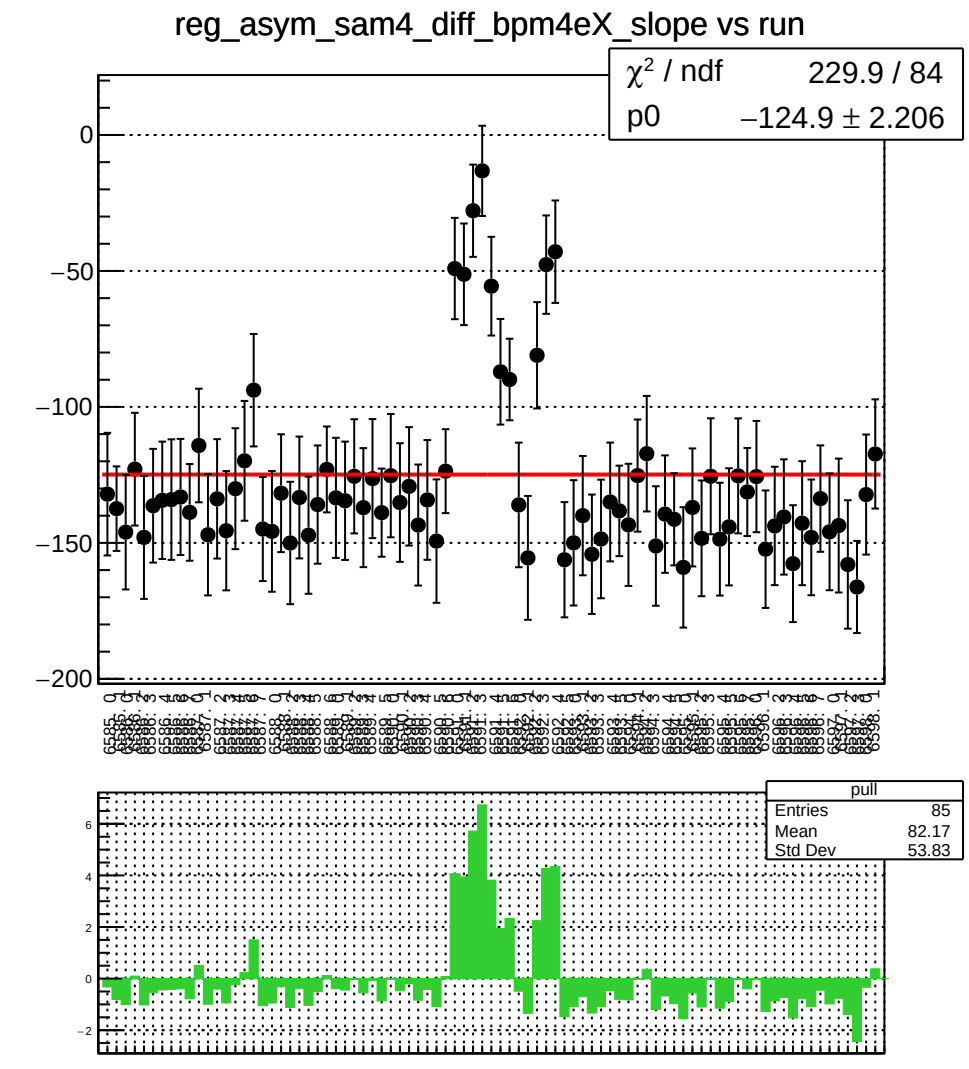

pull1D
Entries 85
Mean 0.01518
Std Dev 0.712

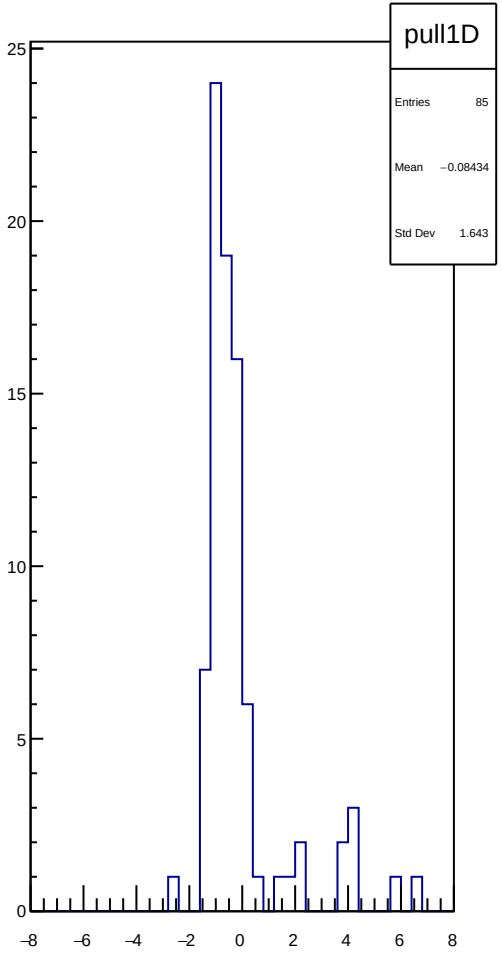

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 4.34 / 84
p0 0.3429 ± 0.04291
pull
Entries 85
Mean 230.4
Std Dev 180.4
pull1D
Entries 85
Mean −0.007745
Std Dev 0.2258

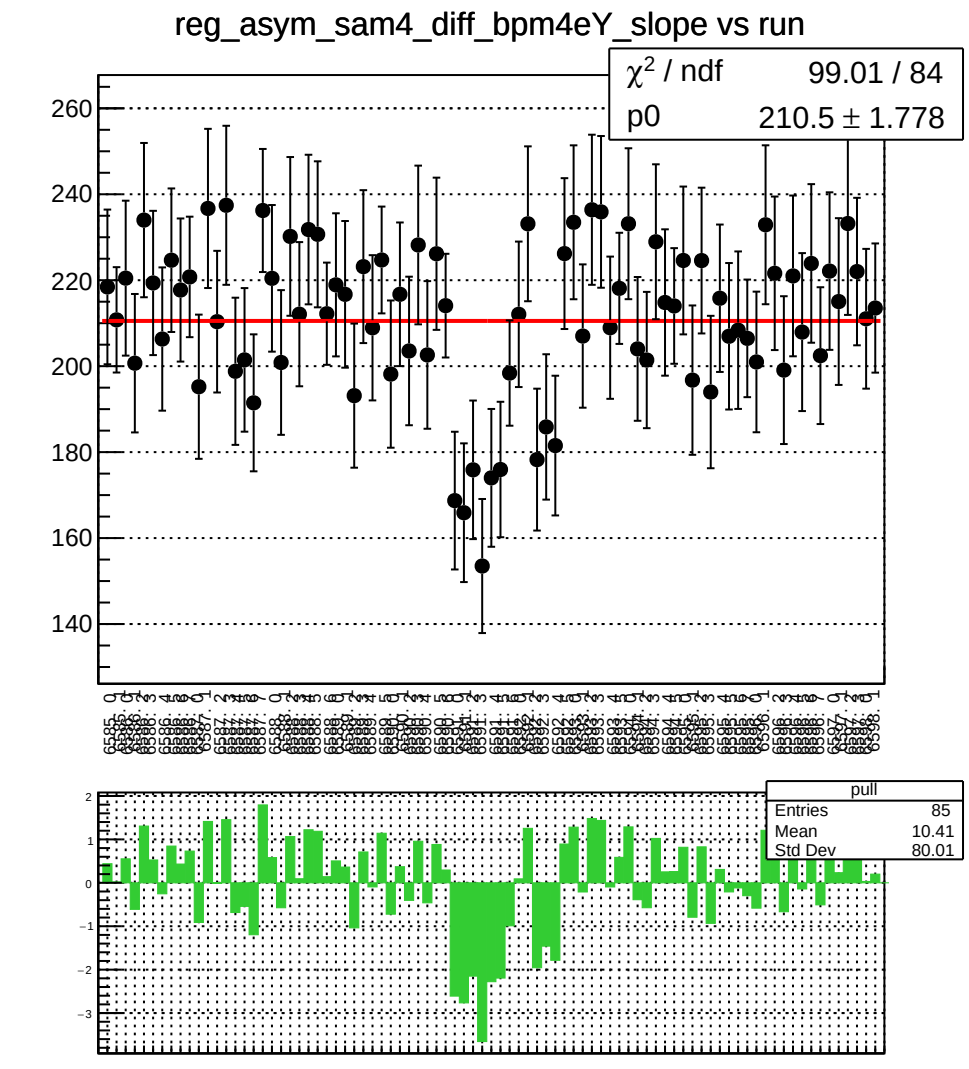

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 247.9 / 84
p0 −67.57 ± 2.075
0
−50
−100
−150
−200
pull
Entries 85
Mean 65.73
Std Dev 63.73
2
1
0
−1
−2
−3
−4
−5
−6
−7
pull1D
Entries 85
Mean 0.08299
Std Dev 1.706
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

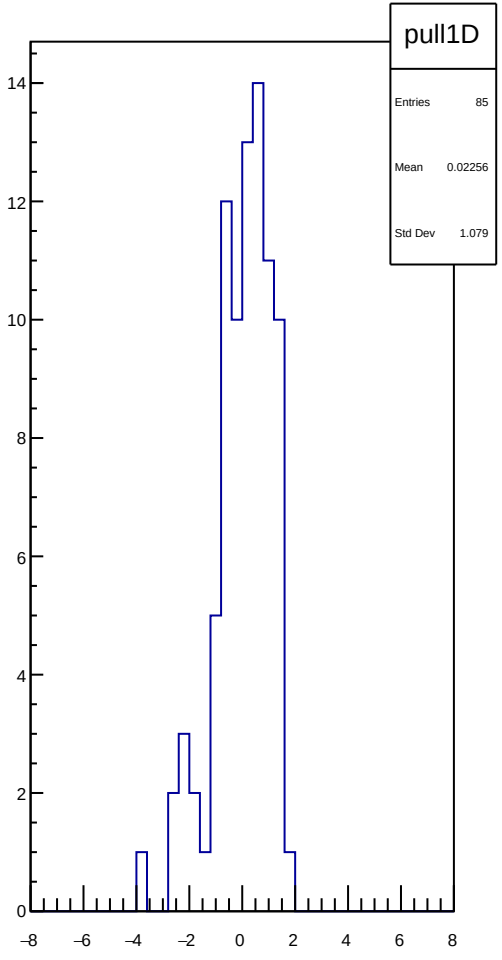

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 87.16 / 84
p0 27.32 ± 1.477
pull
Entries 85
Mean −28.63
Std Dev 24.78

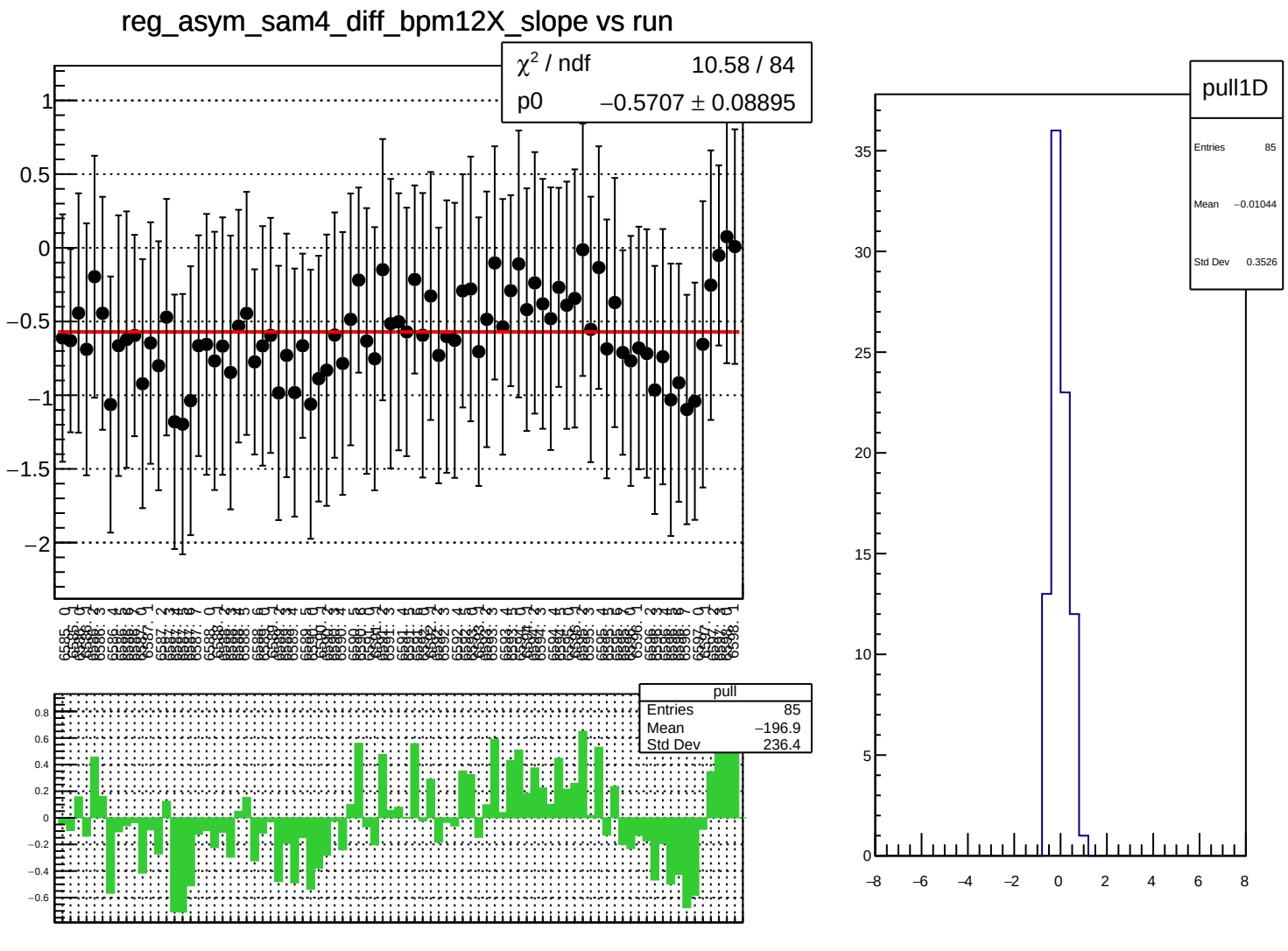

pull1D
Entries 85
Mean −0.02839
Std Dev 1.012

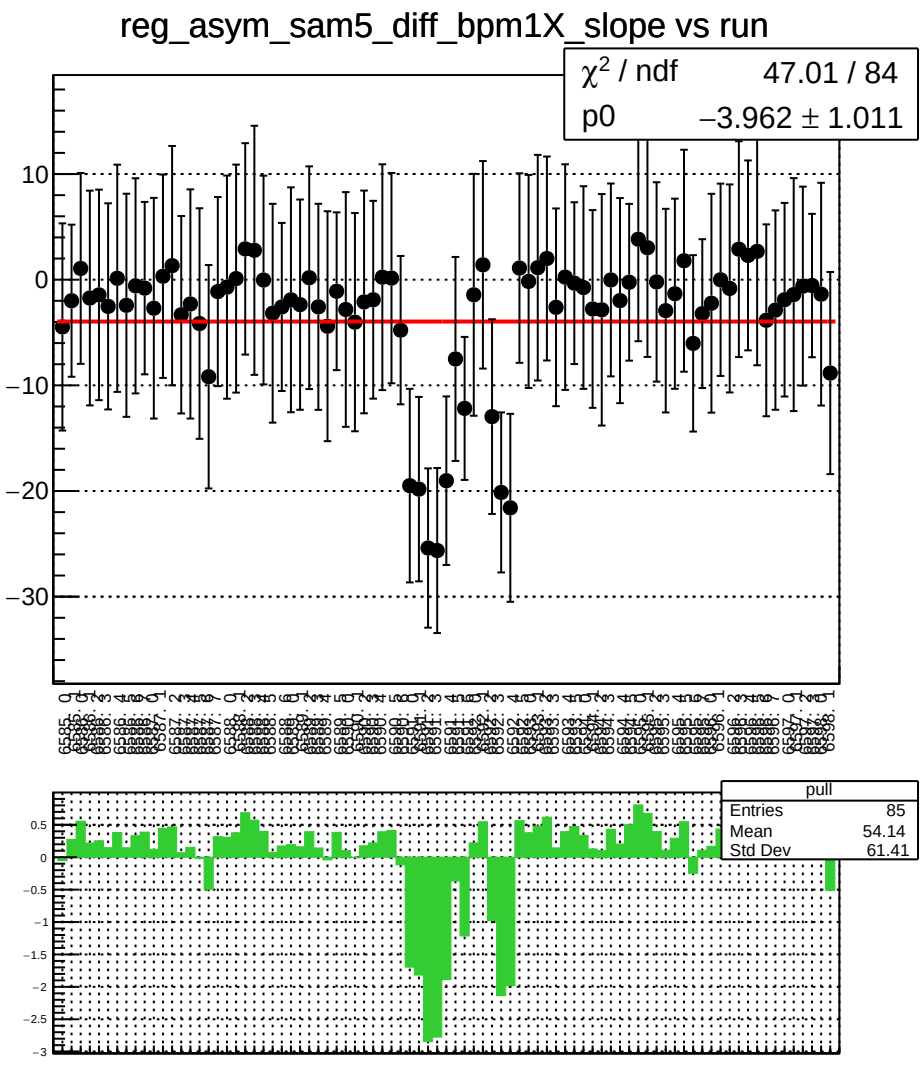

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 229.9 / 84
p0 −124.9 ± 2.206
0
−50
−100
−150
−200
pull
Entries 85
Mean 82.17
Std Dev 53.83
6
4
2
0
−2

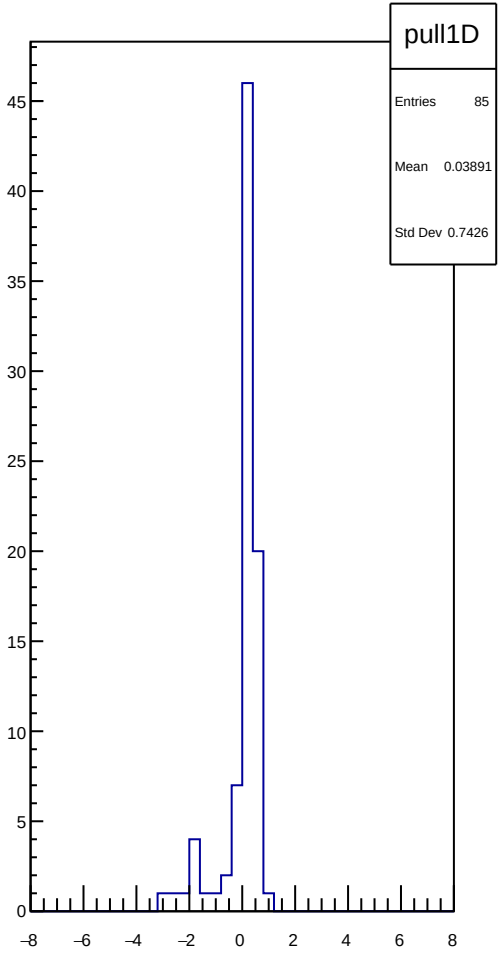

pull1D
Entries 85
Mean −0.08434
Std Dev 1.643
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

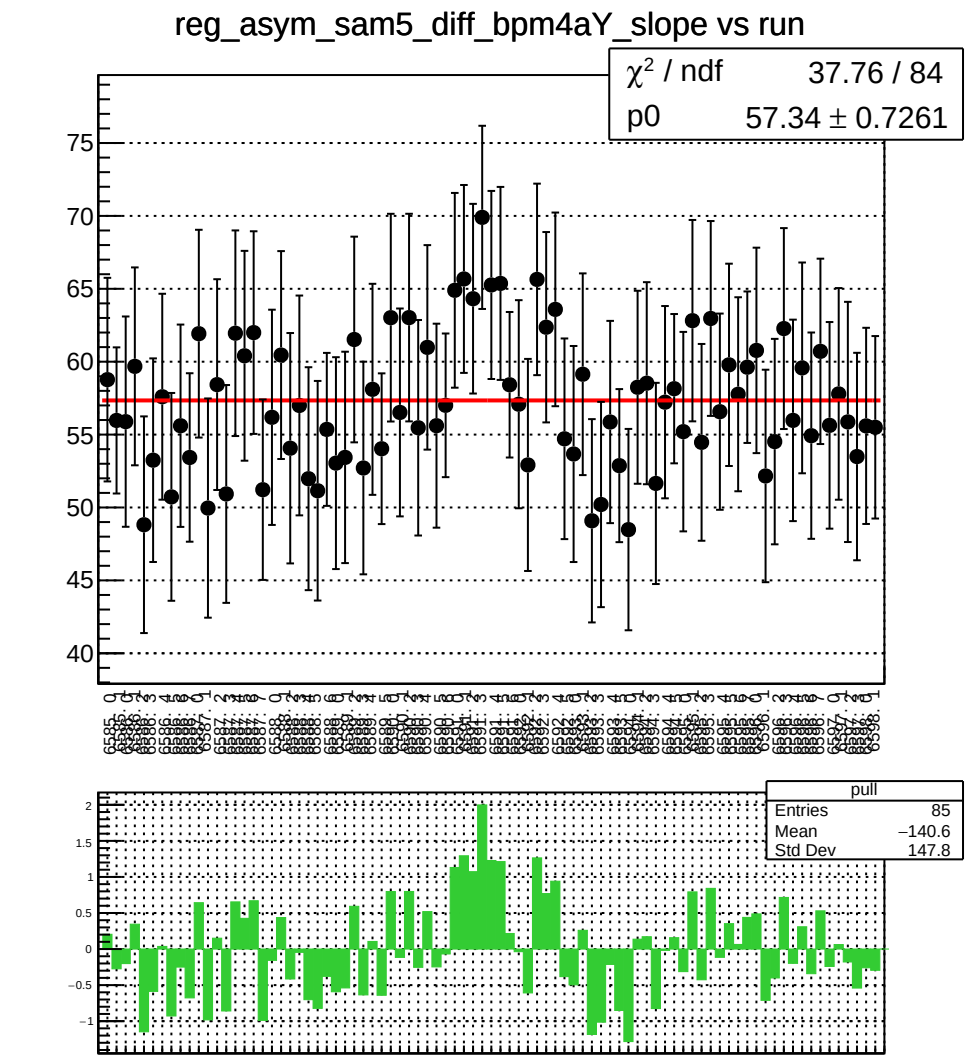

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 99.01 / 84
p0 210.5 ± 1.778
260
240
220
200
180
160
140
pull
Entries 85
Mean 10.41
Std Dev 80.01
2
1
0
−1
−2
−3

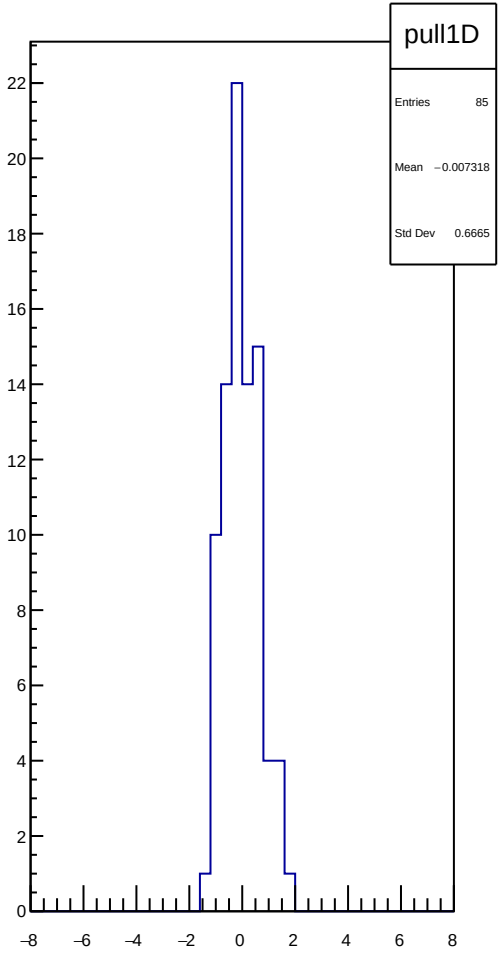

pull1D
Entries 85
Mean 0.02256
Std Dev 1.079
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

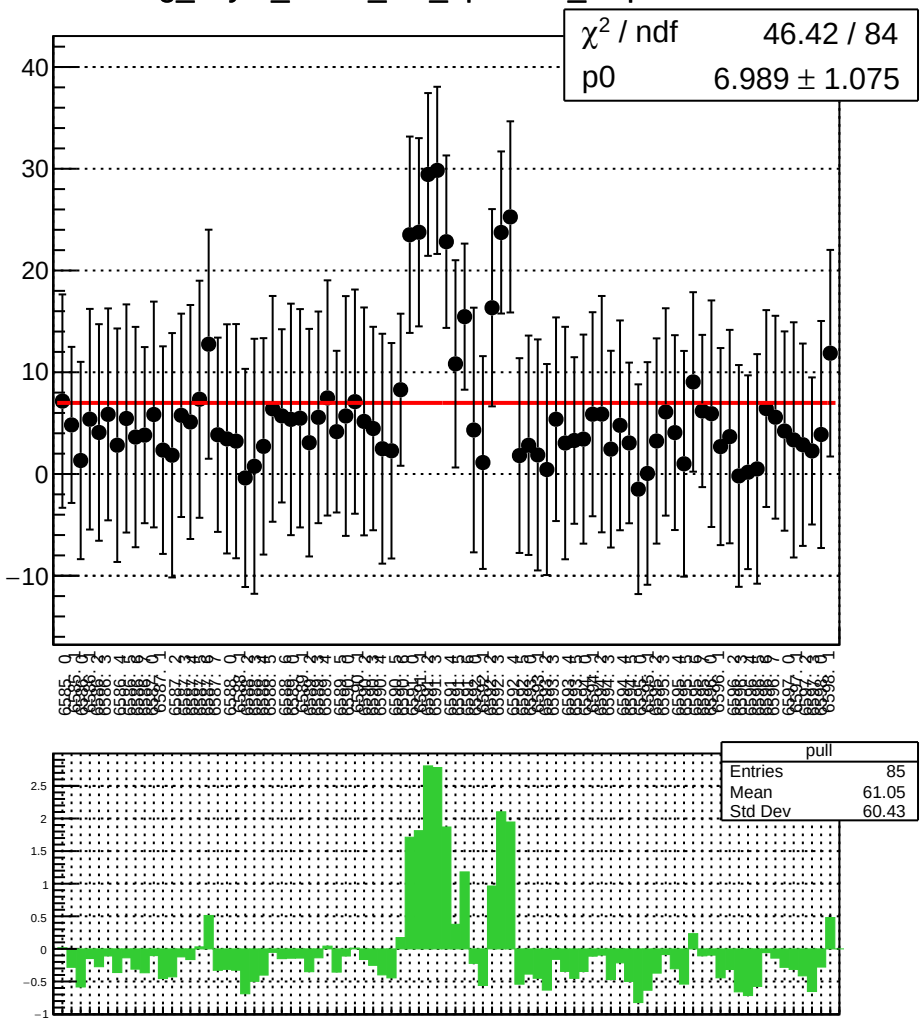

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 10.58 / 84
p0 −0.5707 ± 0.08895
pull
Entries 85
Mean −196.9
Std Dev 236.4
pull1D
Entries 85
Mean −0.01044
Std Dev 0.3526

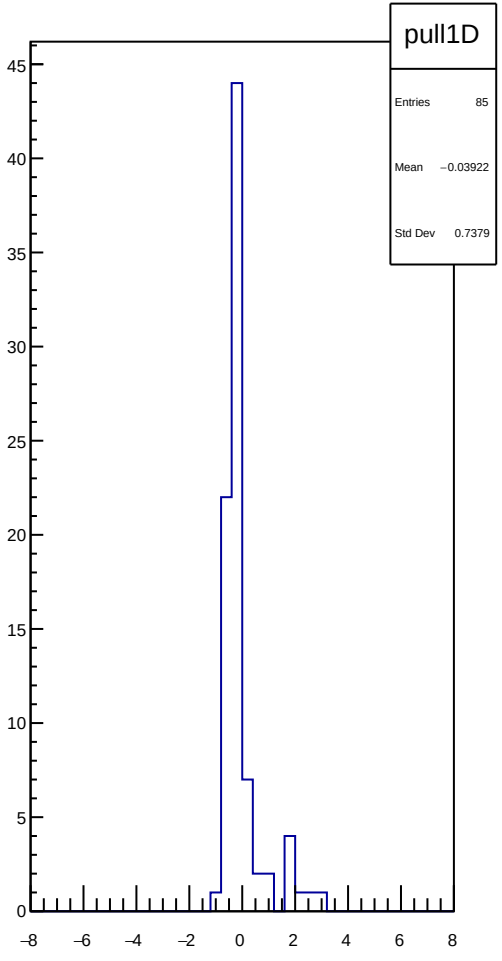

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 47.01 / 84
p0 −3.962 ± 1.011
pull
Entries 85
Mean 54.14
Std Dev 61.41

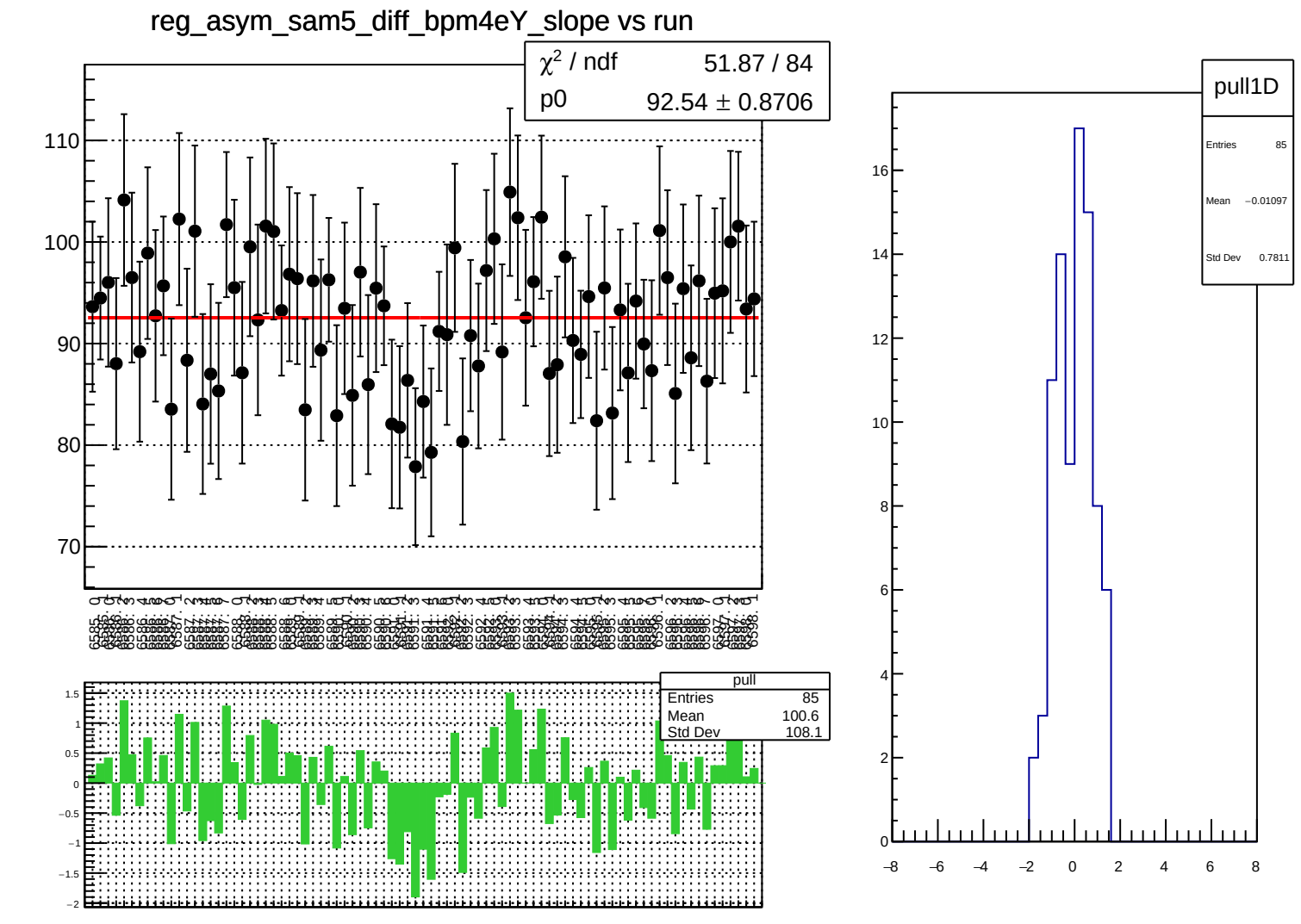

pull1D
Entries 85
Mean 0.03891
Std Dev 0.7426

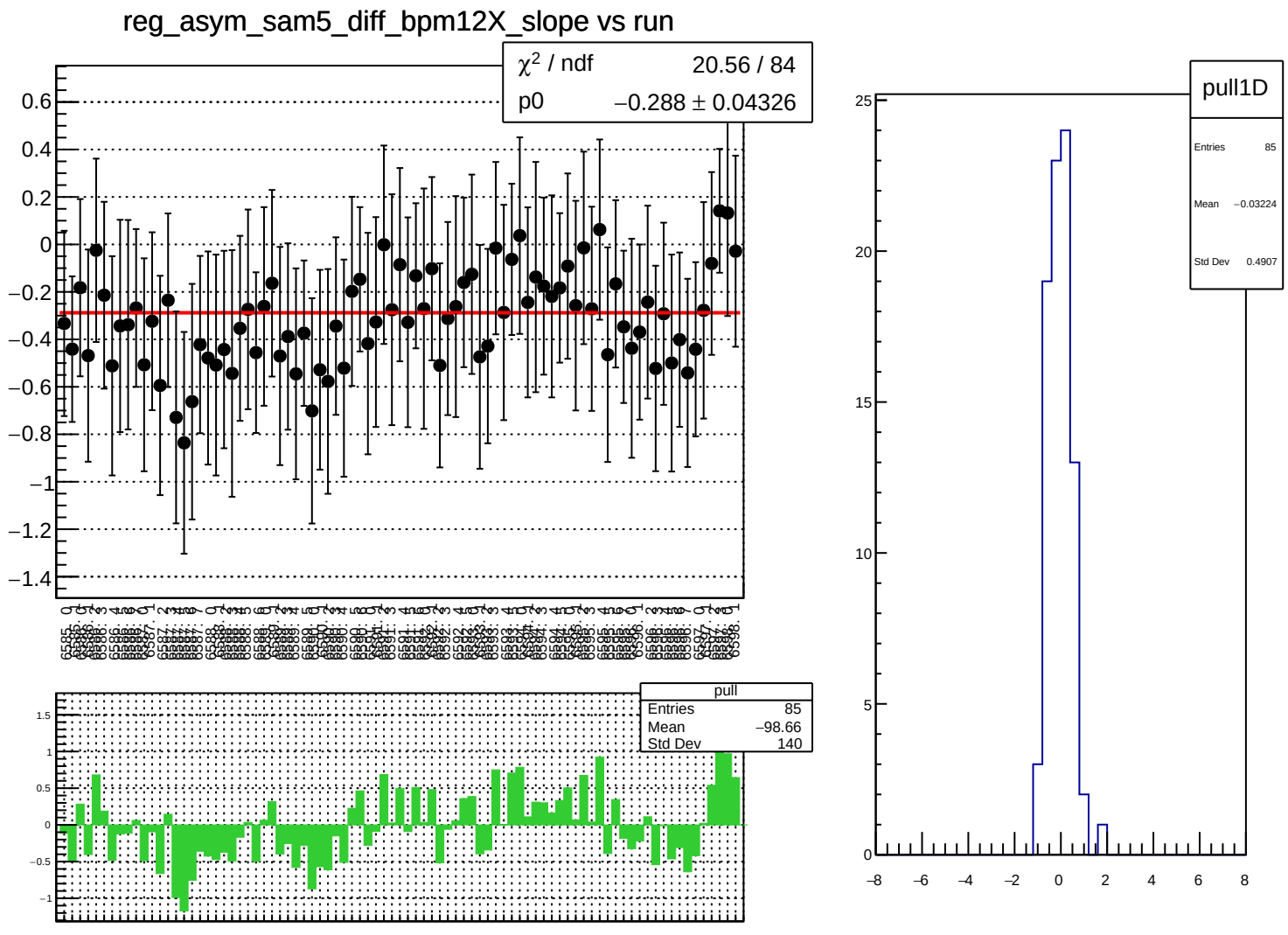

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 37.76 / 84
p0 57.34 ± 0.7261
pull
Entries 85
Mean −140.6
Std Dev 147.8

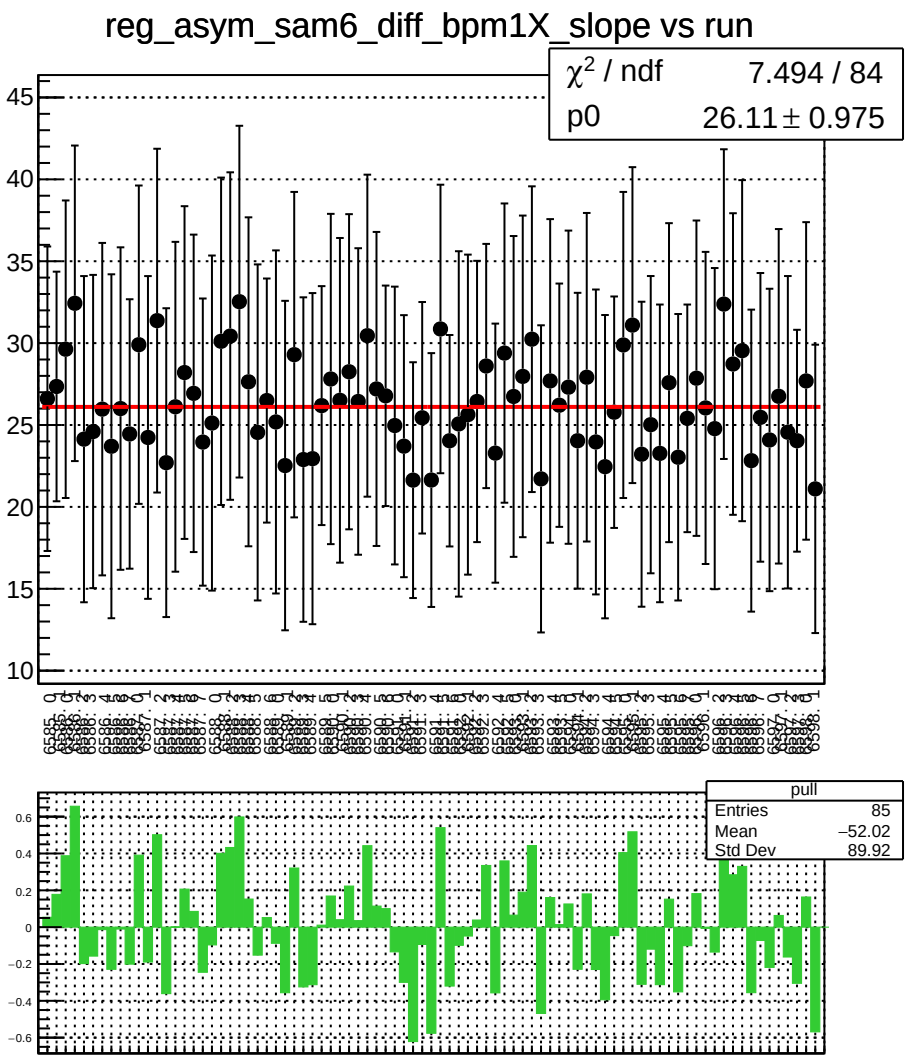

pull1D
Entries 85
Mean −0.007318
Std Dev 0.6665

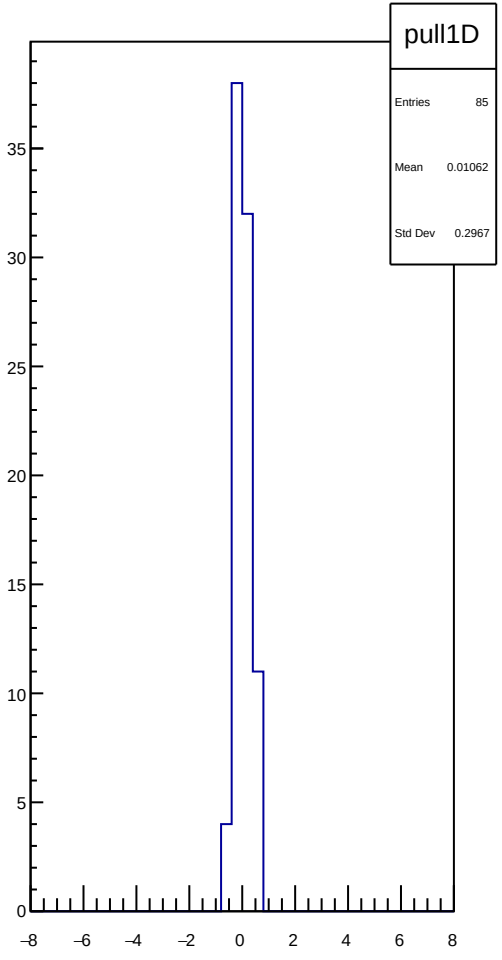

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 46.42 / 84
p0 6.989 ± 1.075
pull
Entries 85
Mean 61.05
Std Dev 60.43

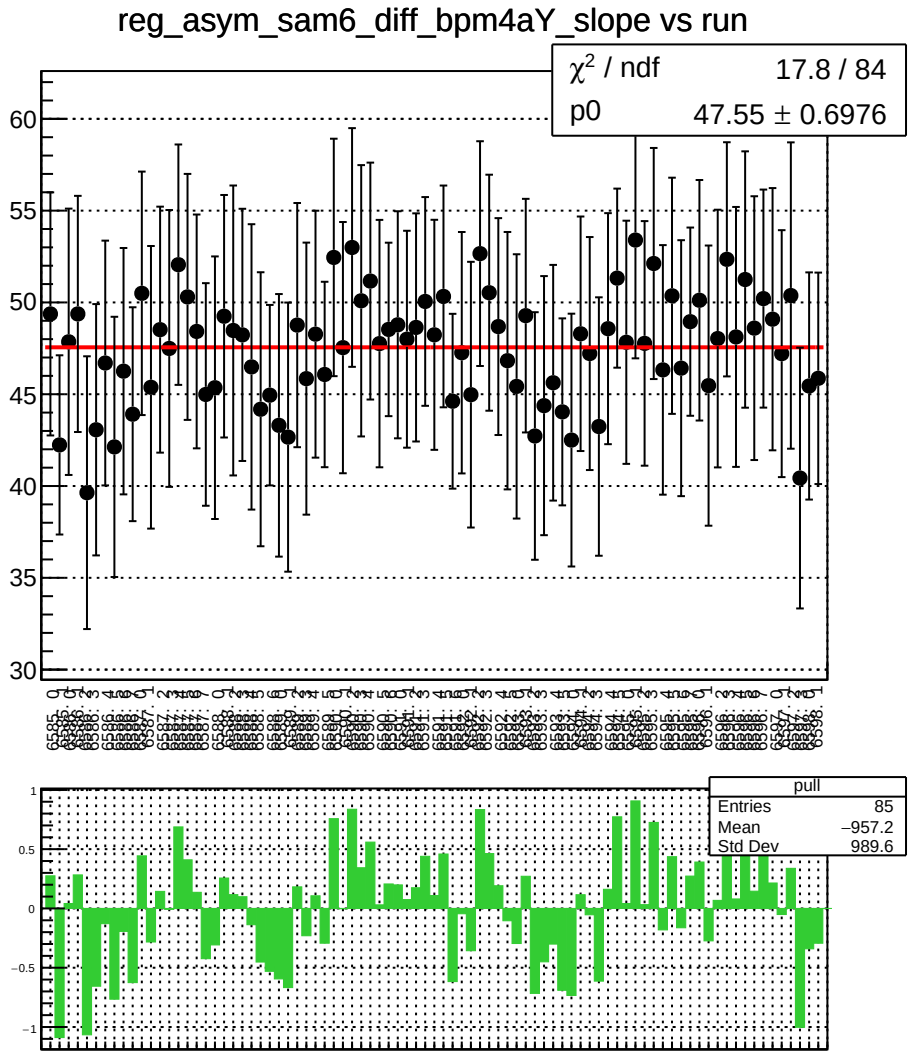

pull1D
Entries 85
Mean −0.03922
Std Dev 0.7379

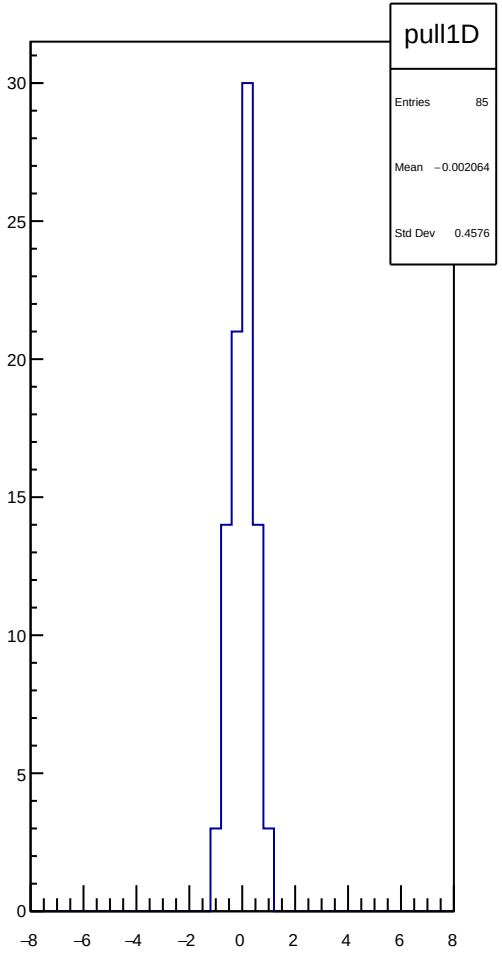

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 51.87 / 84
p0 92.54 ± 0.8706
110
100
90
80
70
pull
Entries 85
Mean 100.6
Std Dev 108.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.01097
Std Dev 0.7811
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

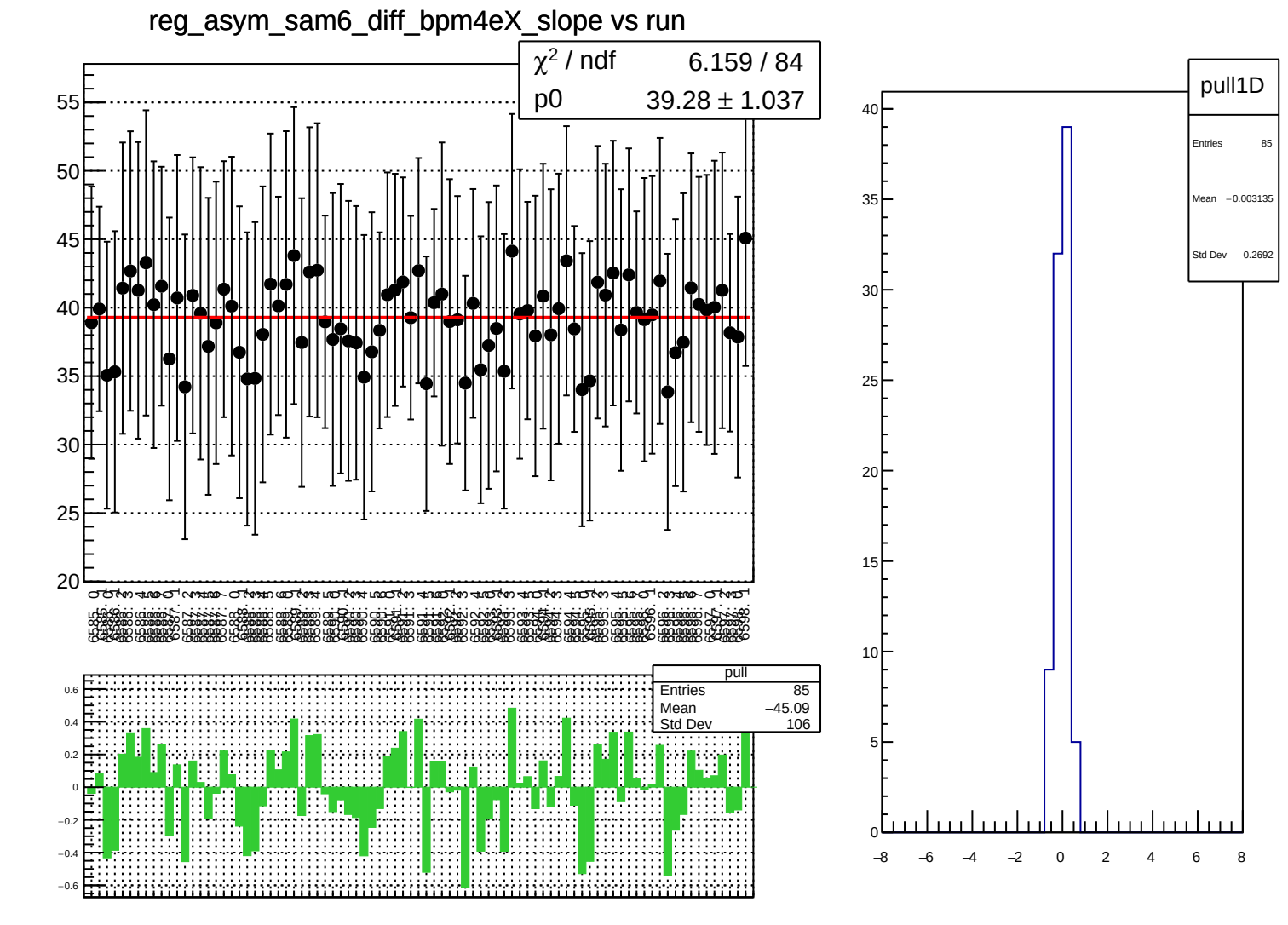

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 20.56 / 84
p0 −0.288 ± 0.04326
pull
Entries 85
Mean −98.66
Std Dev 140
pull1D
Entries 85
Mean −0.03224
Std Dev 0.4907

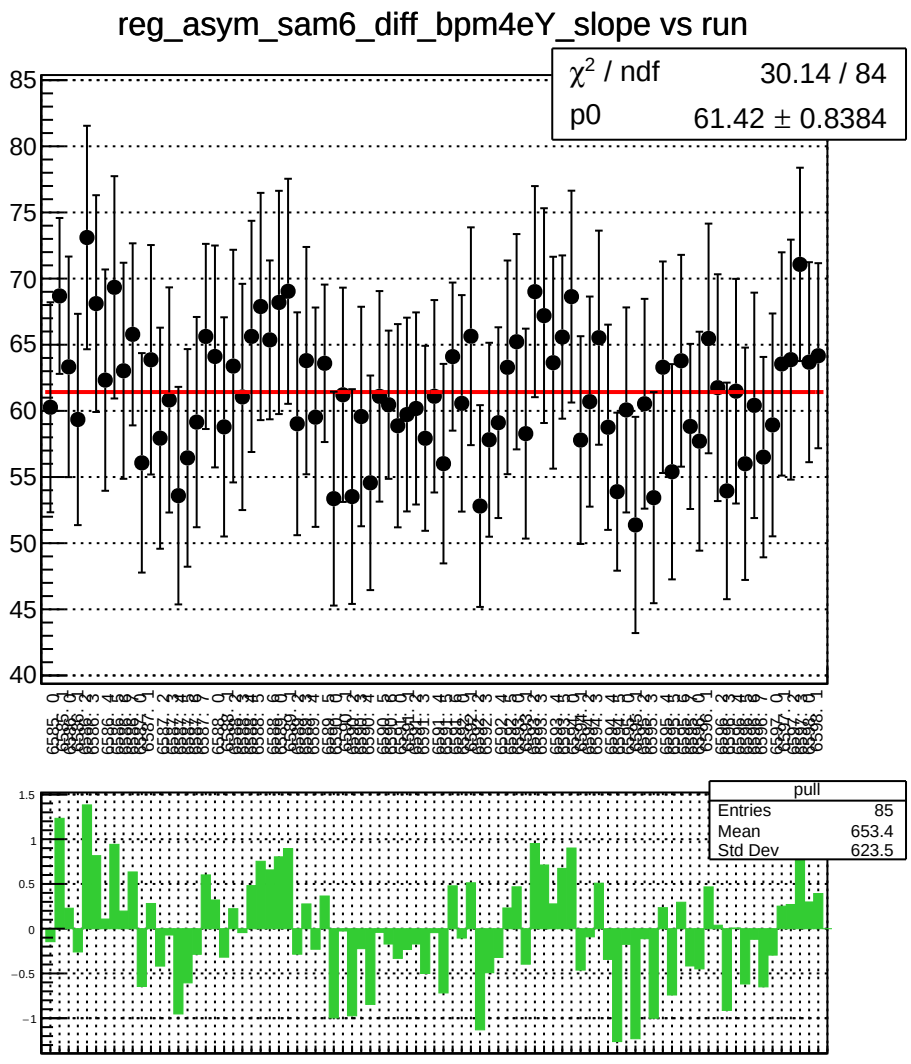

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 7.494 / 84
p0 26.11 ± 0.975
pull
Entries 85
Mean −52.02
Std Dev 89.92

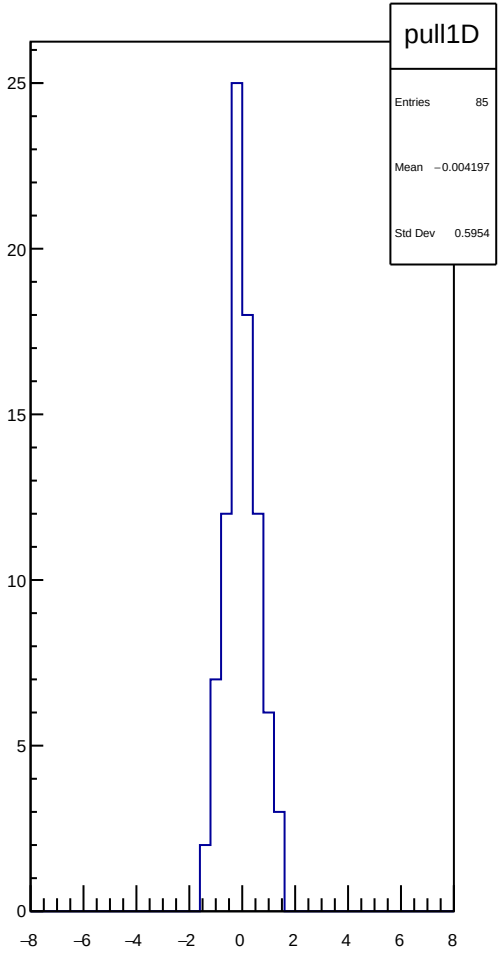

pull1D
Entries 85
Mean 0.01062
Std Dev 0.2967

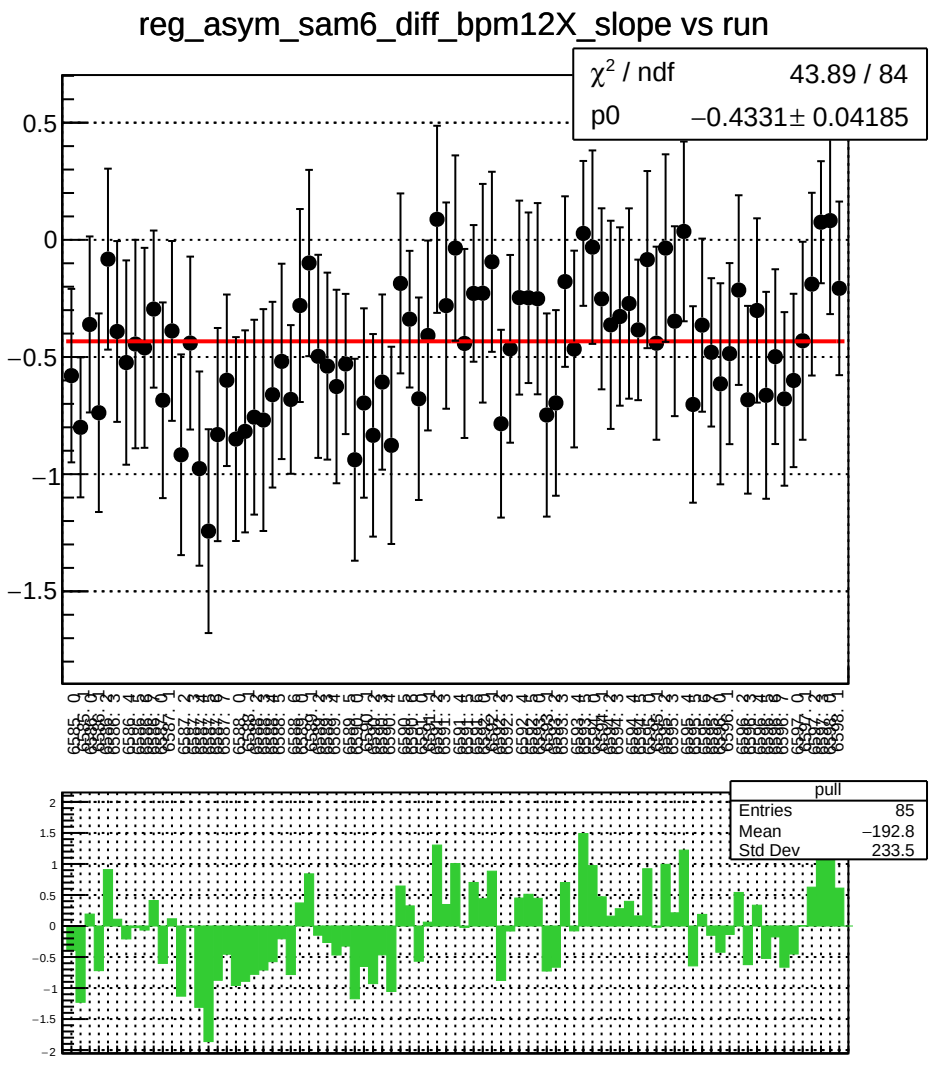

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 17.8 / 84
p0 47.55 ± 0.6976
pull
Entries 85
Mean −957.2
Std Dev 989.6

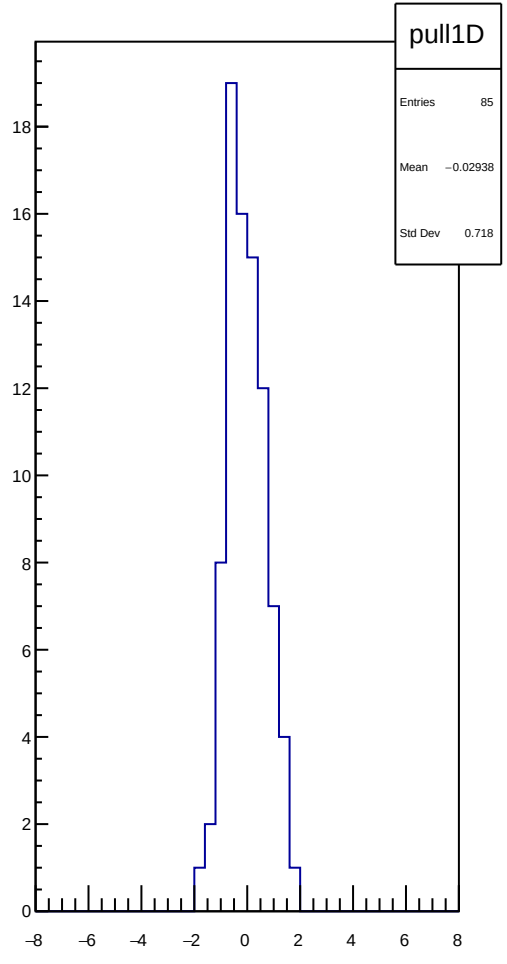

pull1D
Entries 85
Mean −0.002064
Std Dev 0.4576

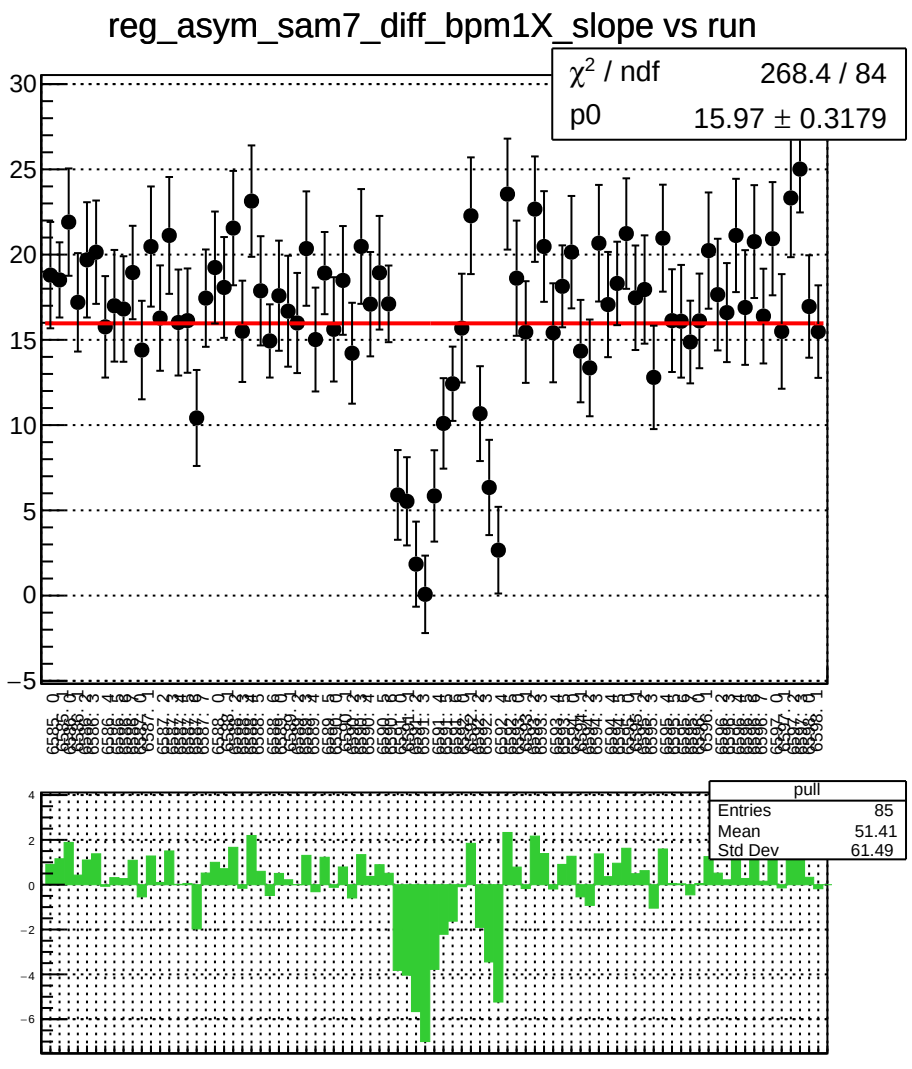

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 6.159 / 84
p0 39.28 ± 1.037
pull
Entries 85
Mean −45.09
Std Dev 106
pull1D
Entries 85
Mean −0.003135
Std Dev 0.2692

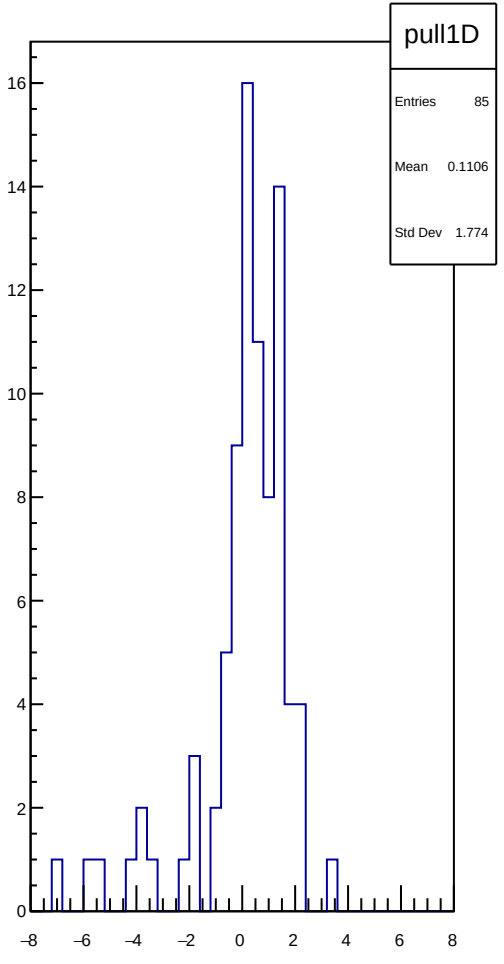

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 30.14 / 84
p0 61.42 ± 0.8384
pull
Entries 85
Mean 653.4
Std Dev 623.5

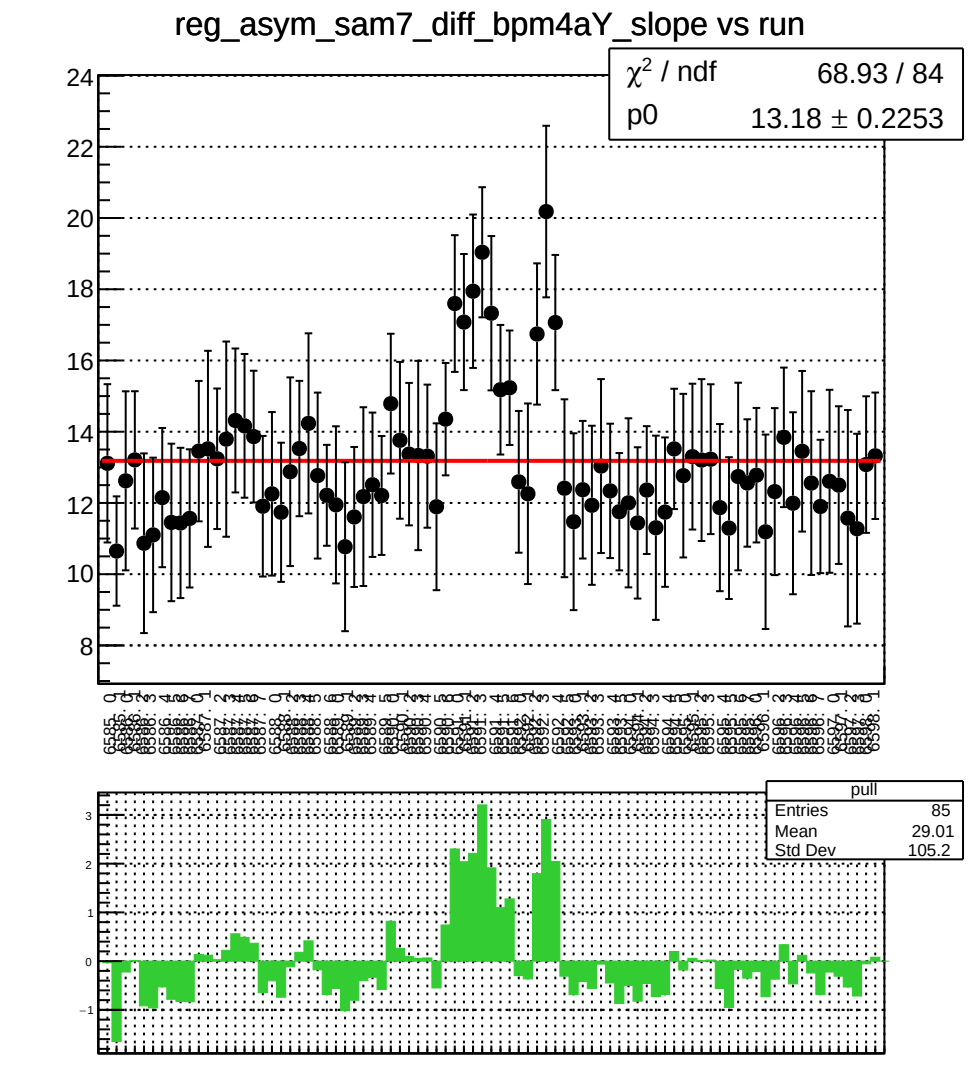

pull1D
Entries 85
Mean −0.004197
Std Dev 0.5954

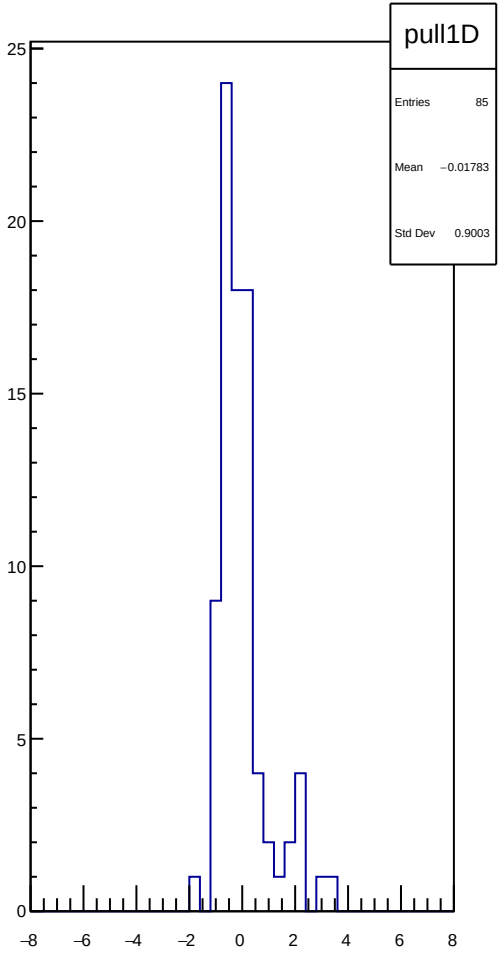

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 43.89 / 84
p0 −0.4331± 0.04185
0.5
0
−0.5
−1
−1.5
pull
Entries 85
Mean −192.8
Std Dev 233.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

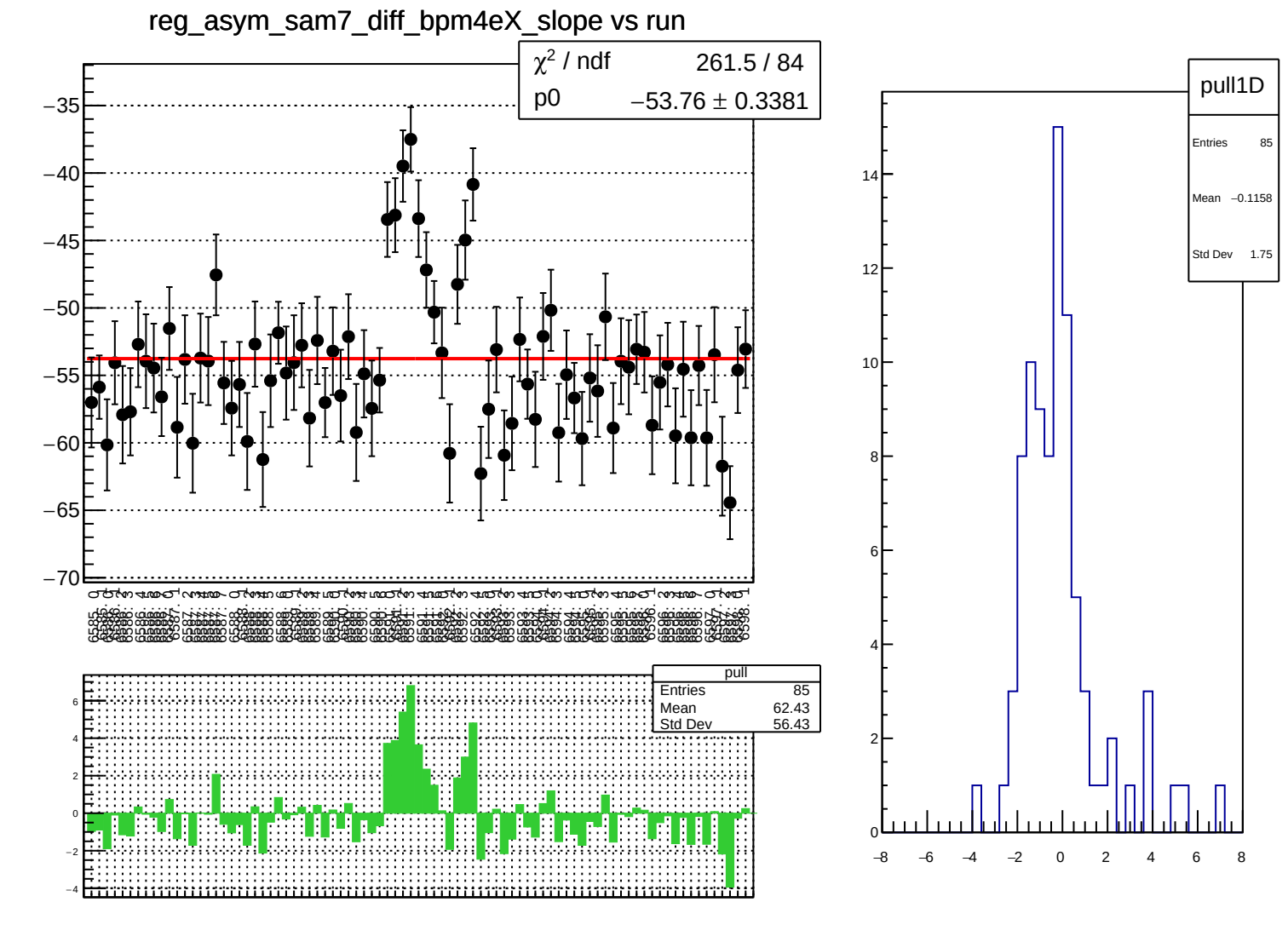

pull1D
Entries 85
Mean −0.02938
Std Dev 0.718
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

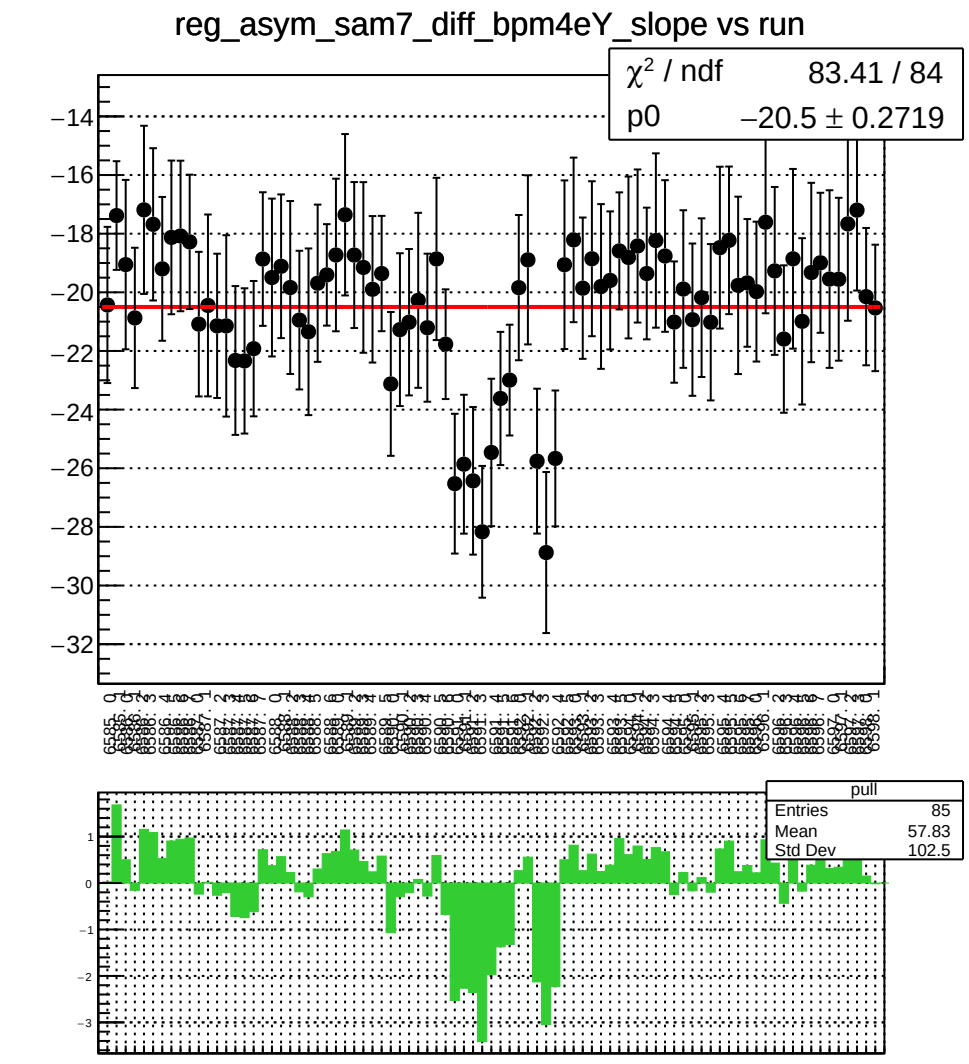

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 268.4 / 84
p0 15.97 ± 0.3179
pull
Entries 85
Mean 51.41
Std Dev 61.49

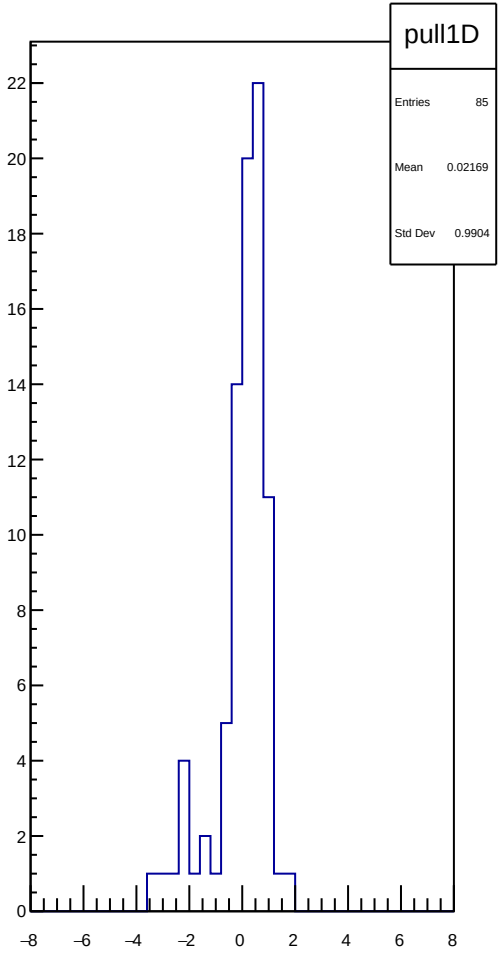

pull1D
Entries 85
Mean 0.1106
Std Dev 1.774

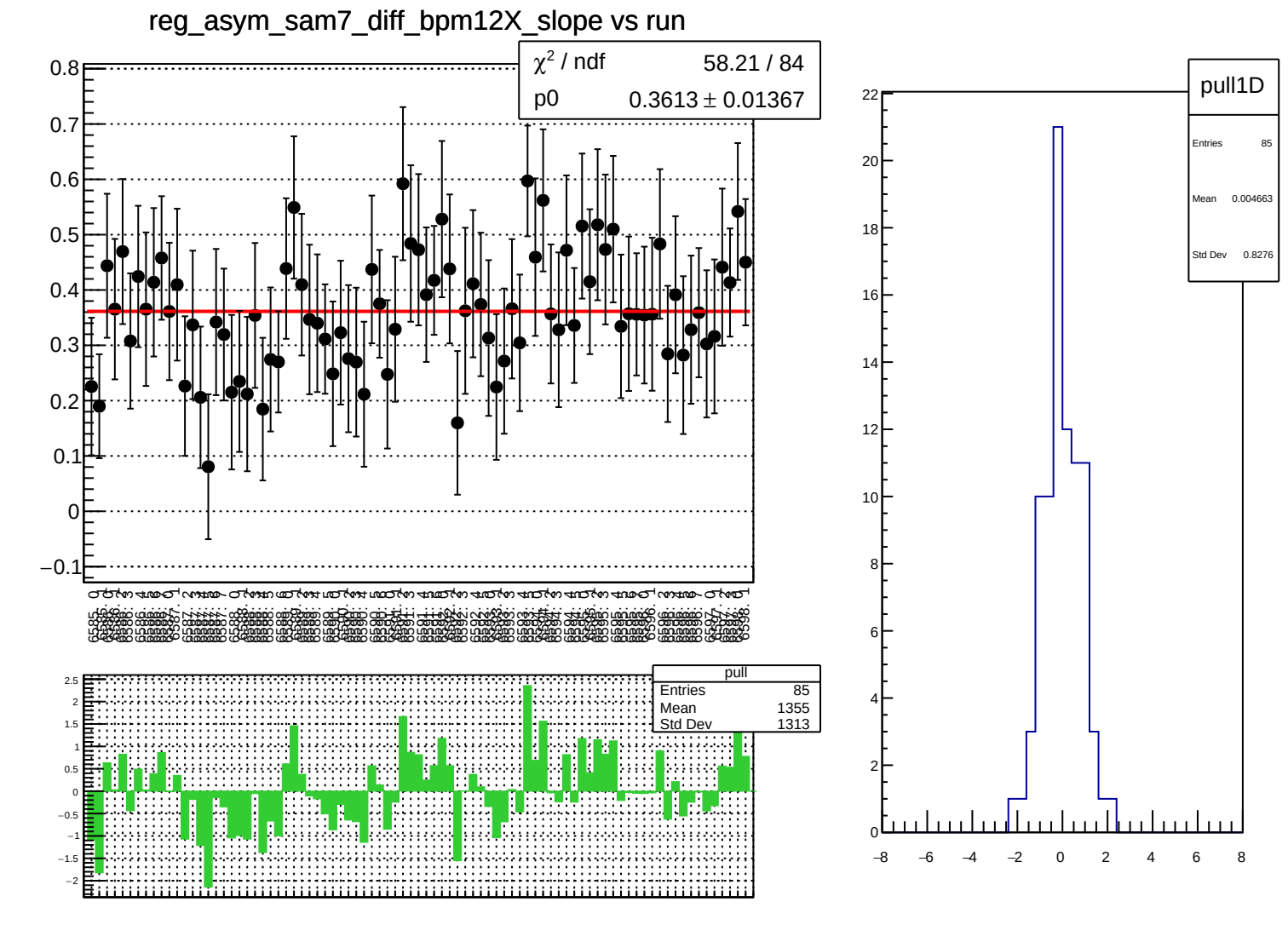

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 68.93 / 84
p0 13.18 ± 0.2253
pull
Entries 85
Mean 29.01
Std Dev 105.2

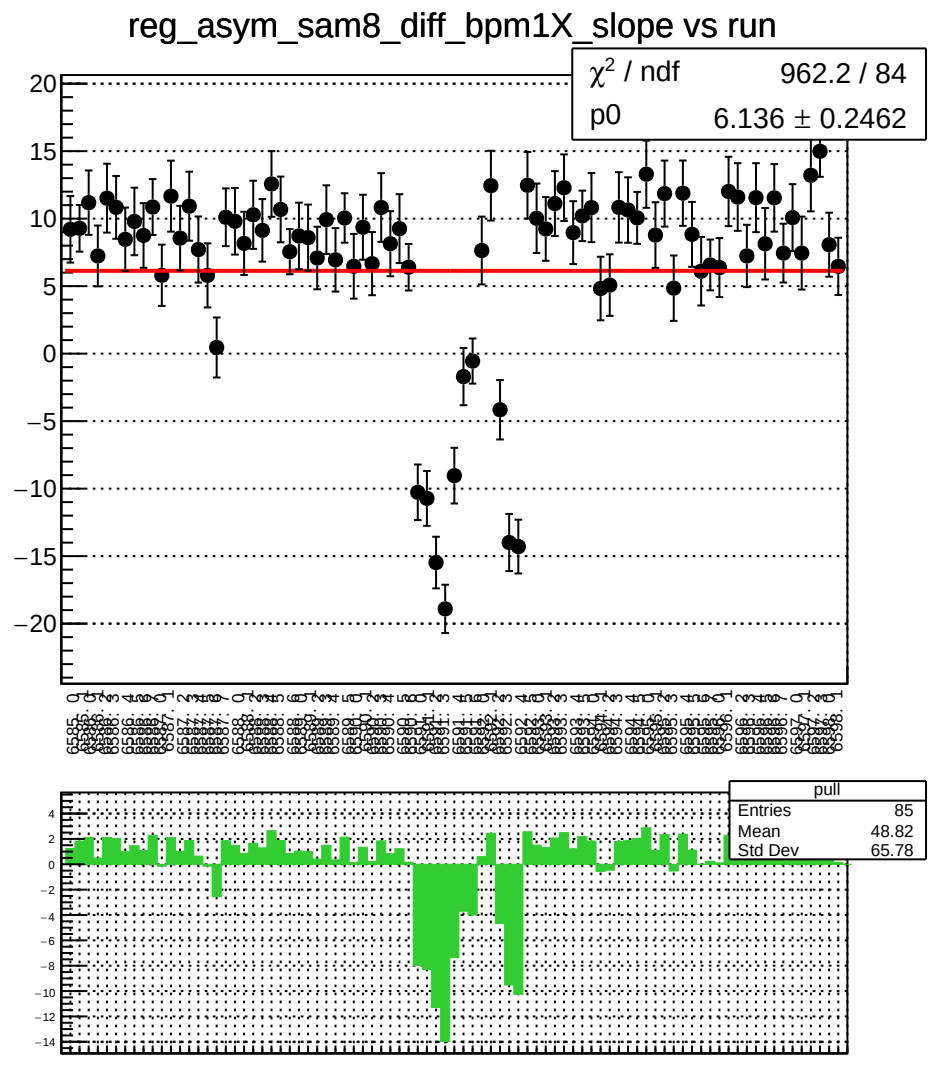

pull1D
Entries 85
Mean −0.01783
Std Dev 0.9003

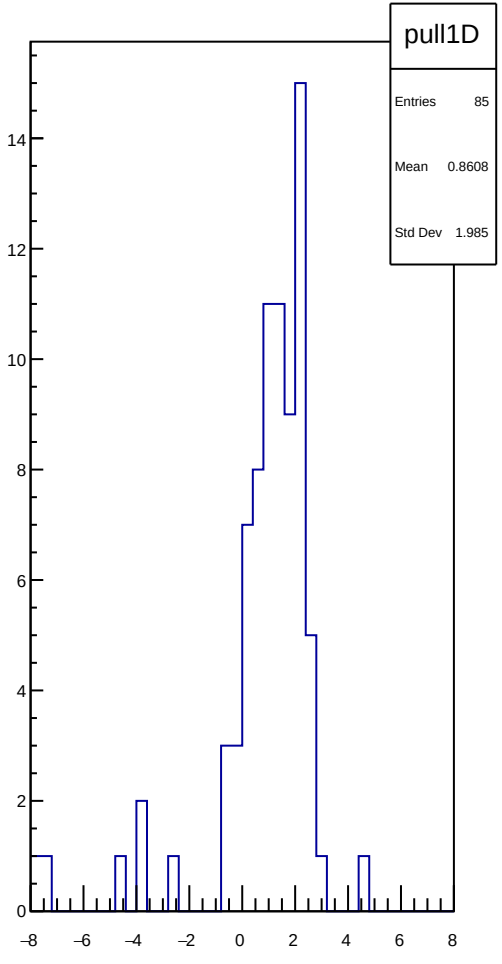

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 261.5 / 84
p0 −53.76 ± 0.3381
pull
Entries 85
Mean 62.43
Std Dev 56.43
pull1D
Entries 85
Mean −0.1158
Std Dev 1.75

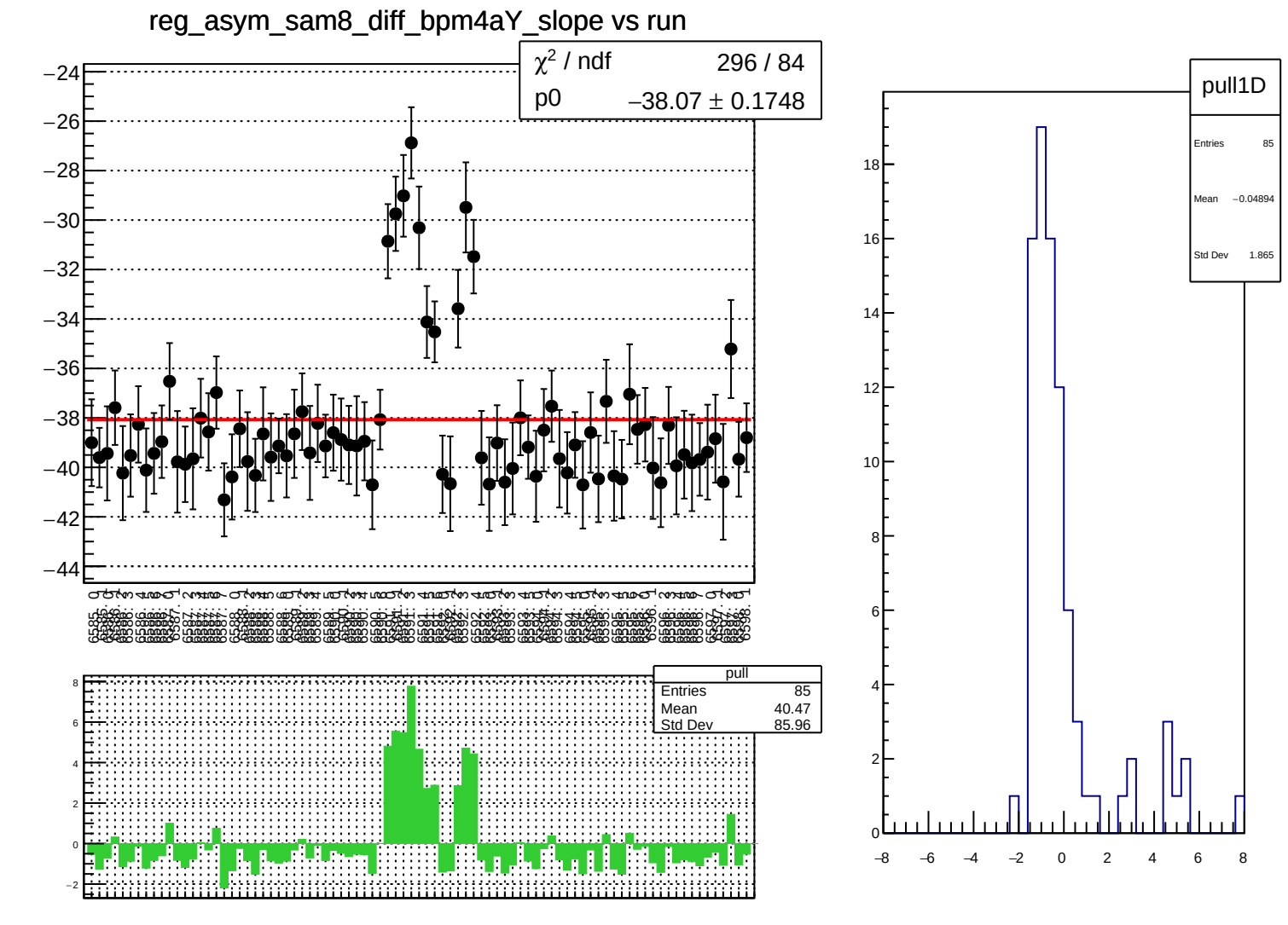

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 83.41 / 84
p0 −20.5 ± 0.2719
pull
Entries 85
Mean 57.83
Std Dev 102.5

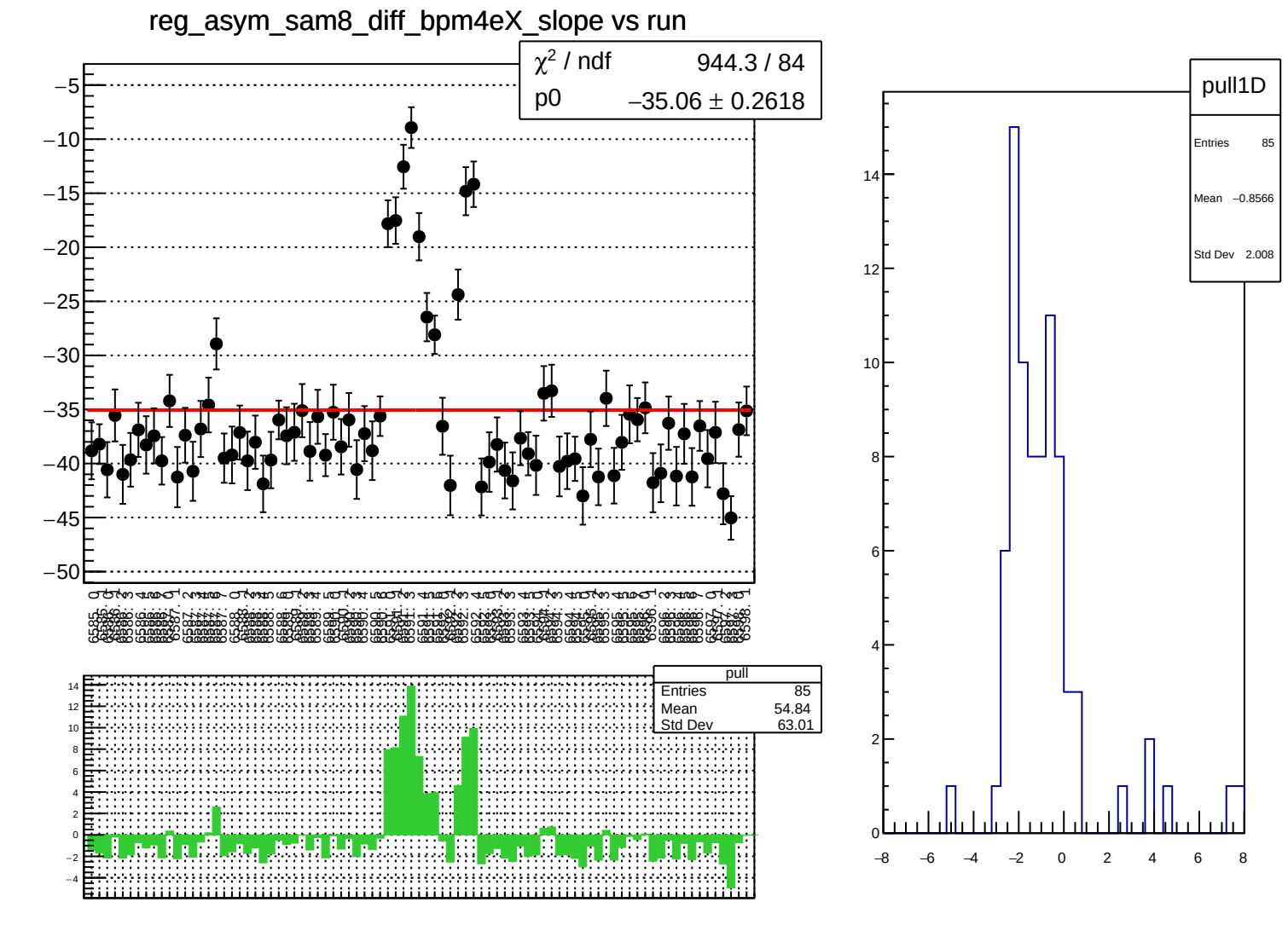

pull1D
Entries 85
Mean 0.02169
Std Dev 0.9904

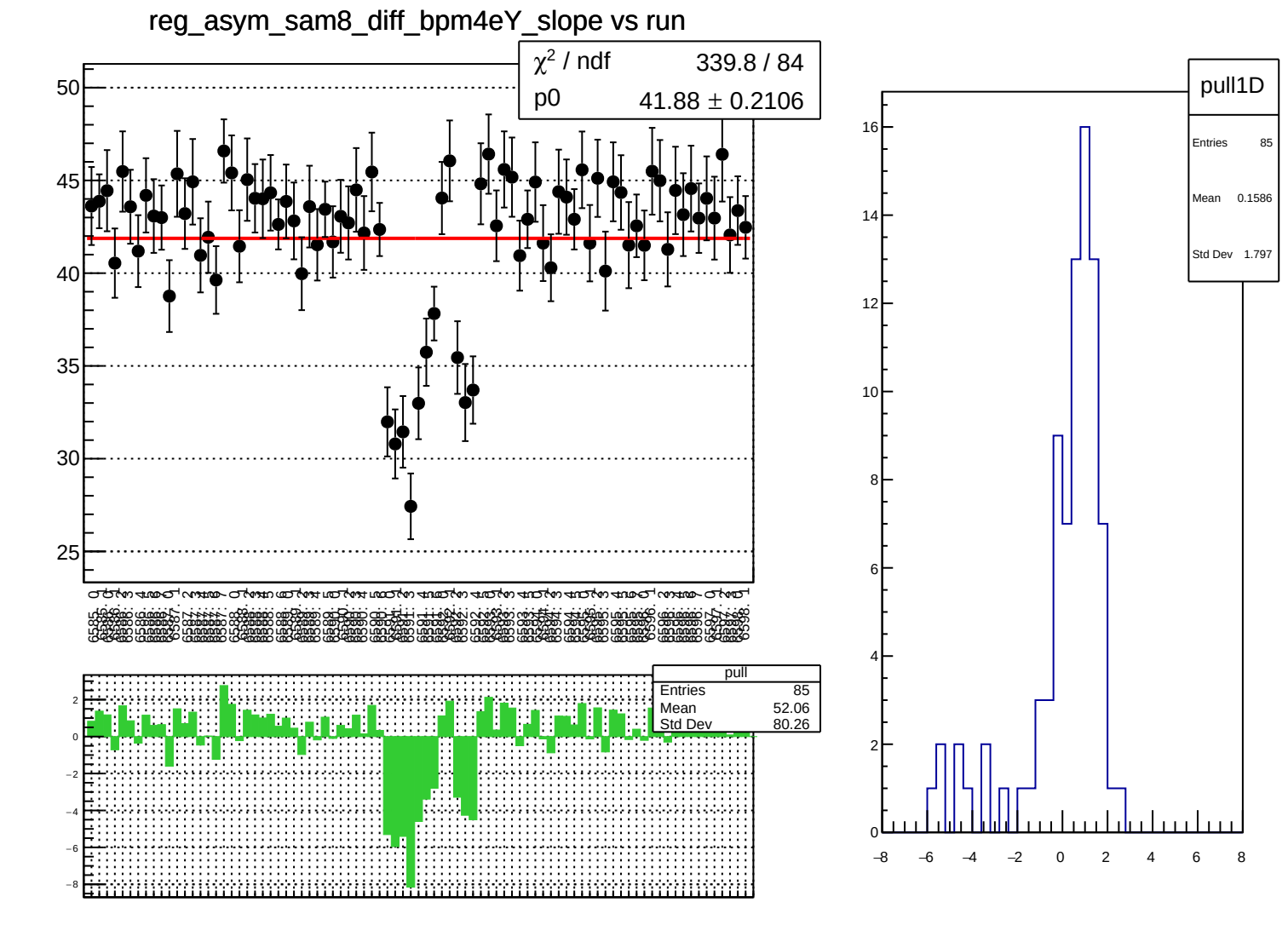

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 58.21 / 84
p0 0.3613 ± 0.01367
pull
Entries 85
Mean 1355
Std Dev 1313
pull1D
Entries 85
Mean 0.004663
Std Dev 0.8276

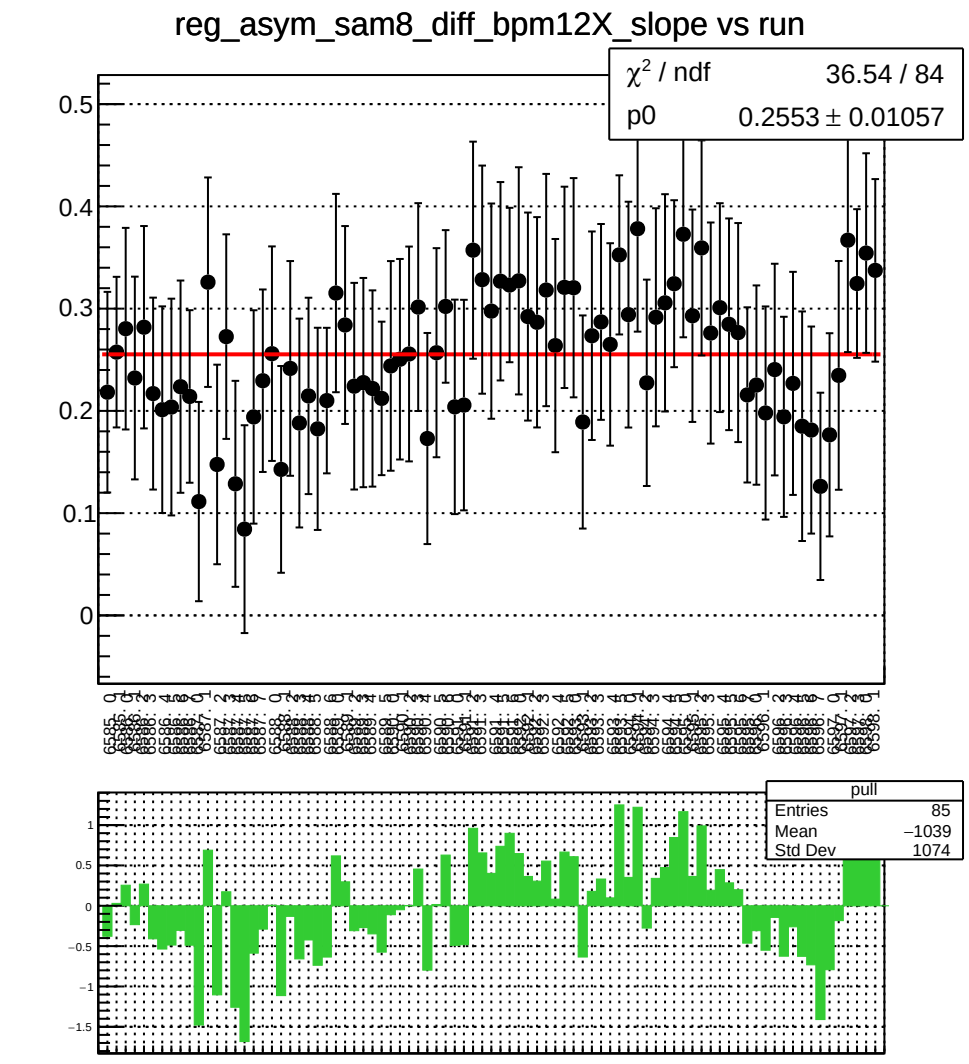

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 962.2 / 84
p0 6.136 ± 0.2462
pull
Entries 85
Mean 48.82
Std Dev 65.78

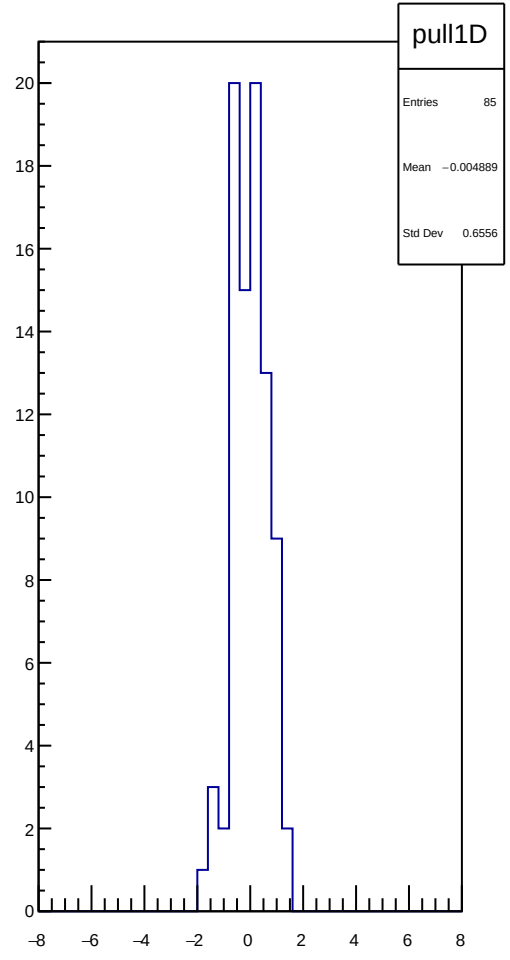

pull1D
Entries 85
Mean 0.8608
Std Dev 1.985

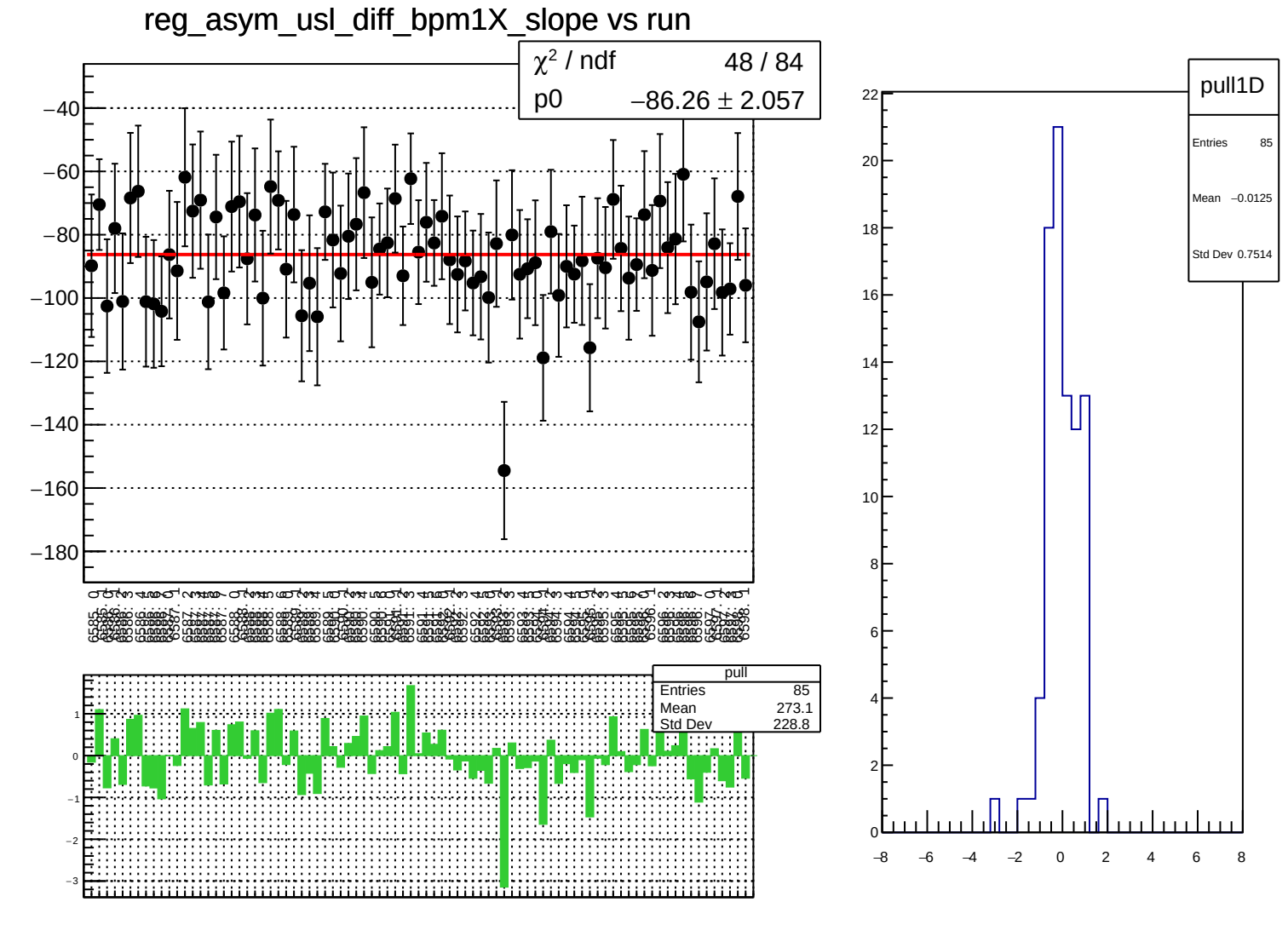

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 296 / 84
p0 −38.07 ± 0.1748
pull
Entries 85
Mean 40.47
Std Dev 85.96
pull1D
Entries 85
Mean −0.04894
Std Dev 1.865

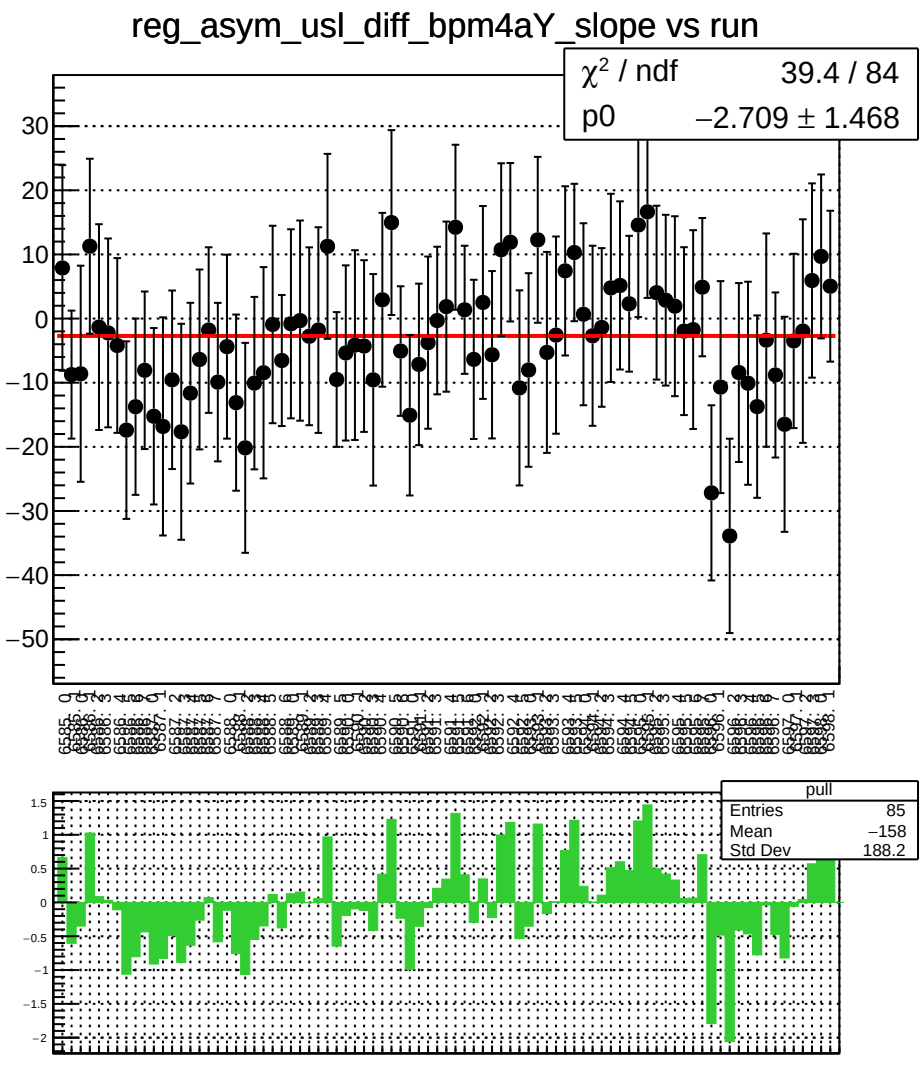

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 944.3 / 84
p0 −35.06 ± 0.2618
pull
Entries 85
Mean 54.84
Std Dev 63.01
pull1D
Entries 85
Mean −0.8566
Std Dev 2.008

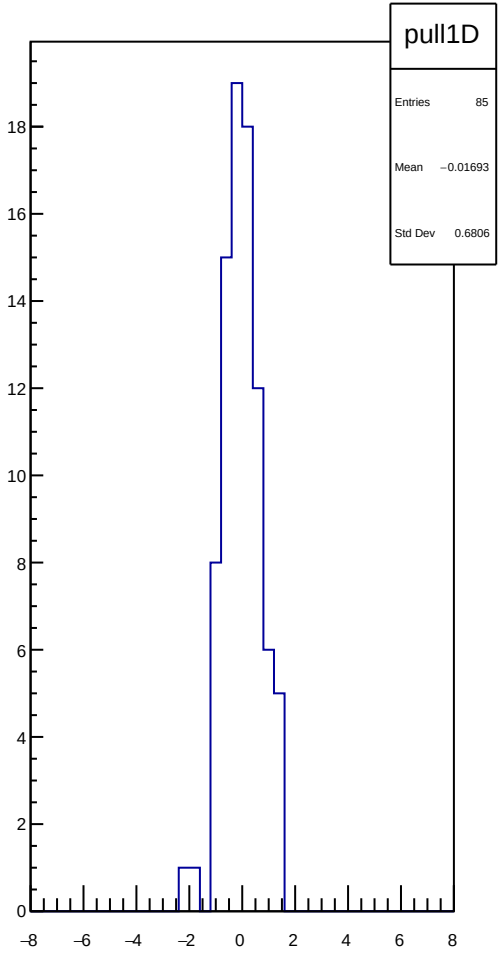

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 339.8 / 84
p0 41.88 ± 0.2106
pull
Entries 85
Mean 52.06
Std Dev 80.26
pull1D
Entries 85
Mean 0.1586
Std Dev 1.797

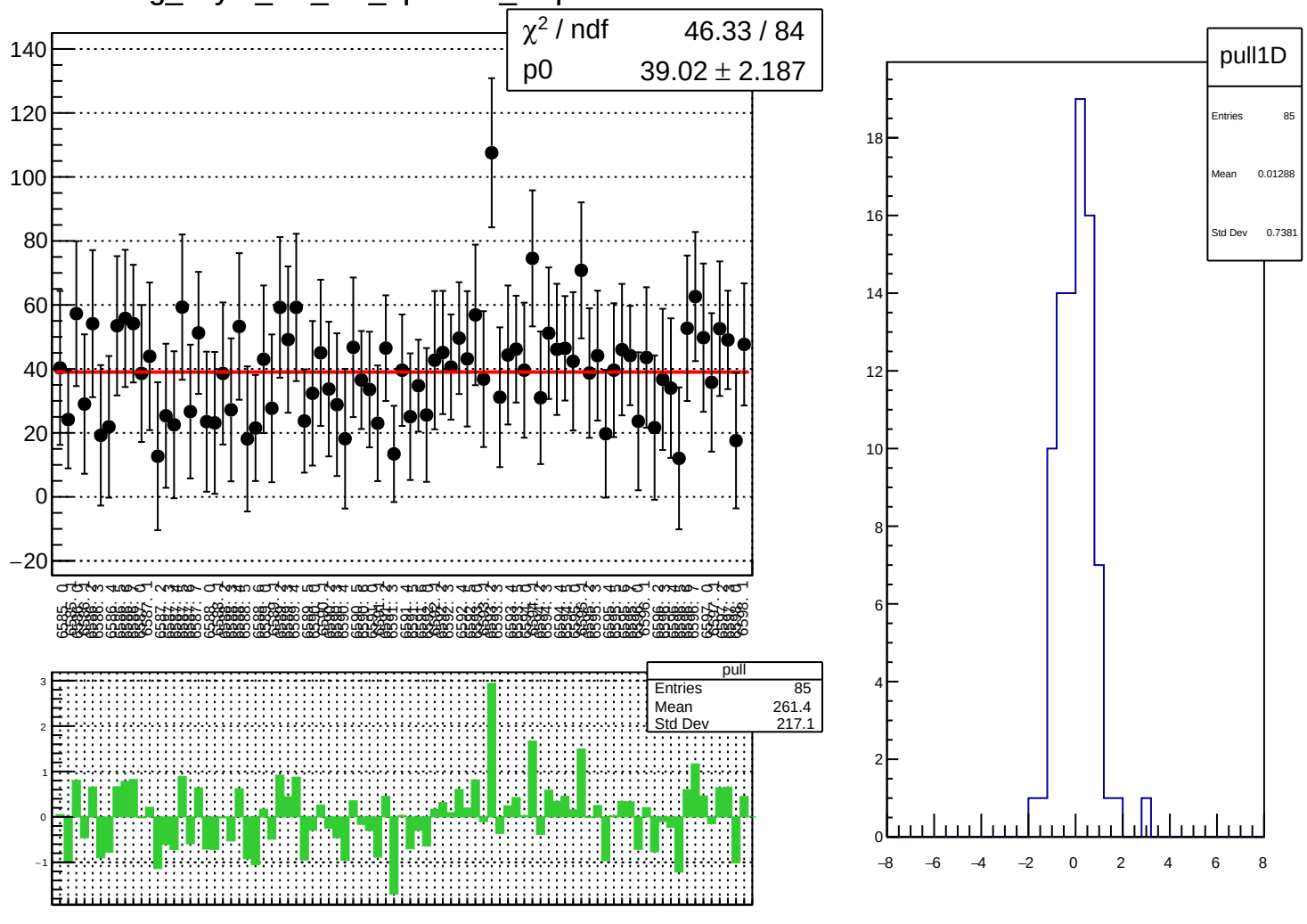

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 36.54 / 84
p0 0.2553 ± 0.01057
pull
Entries 85
Mean −1039
Std Dev 1074

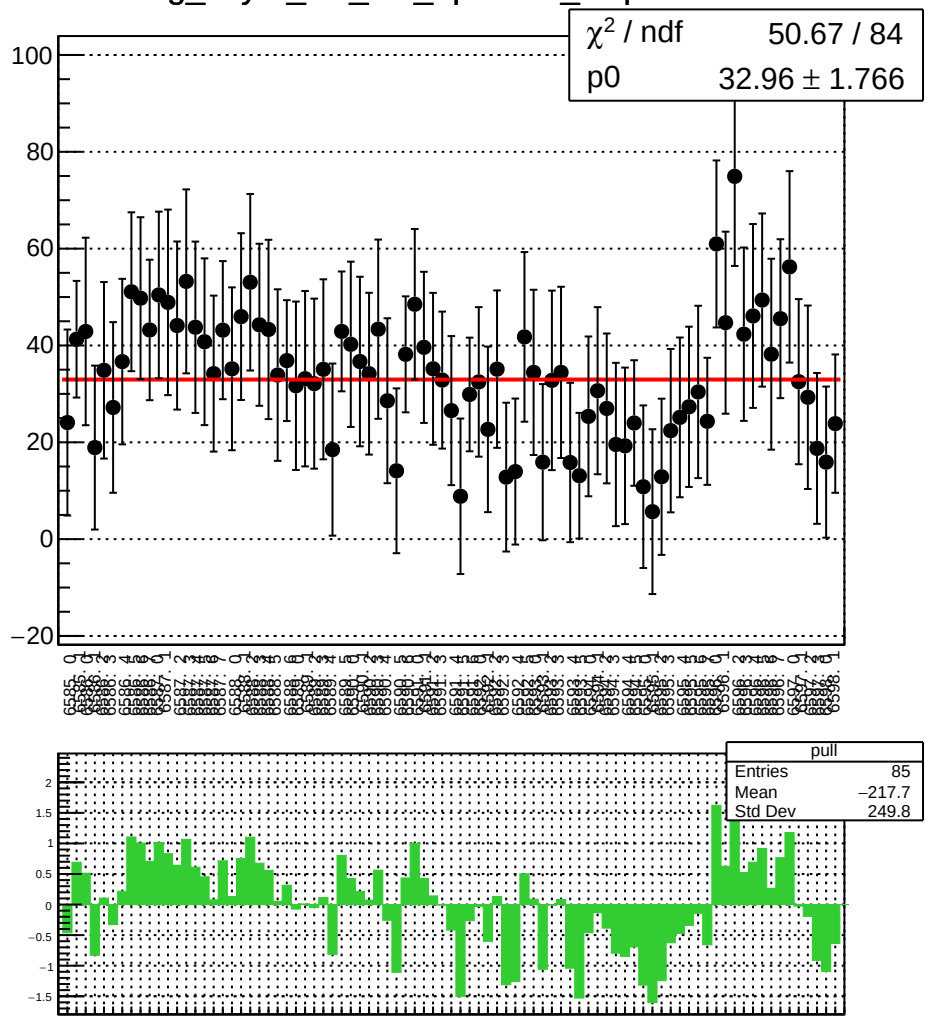

pull1D
Entries 85
Mean −0.004889
Std Dev 0.6556

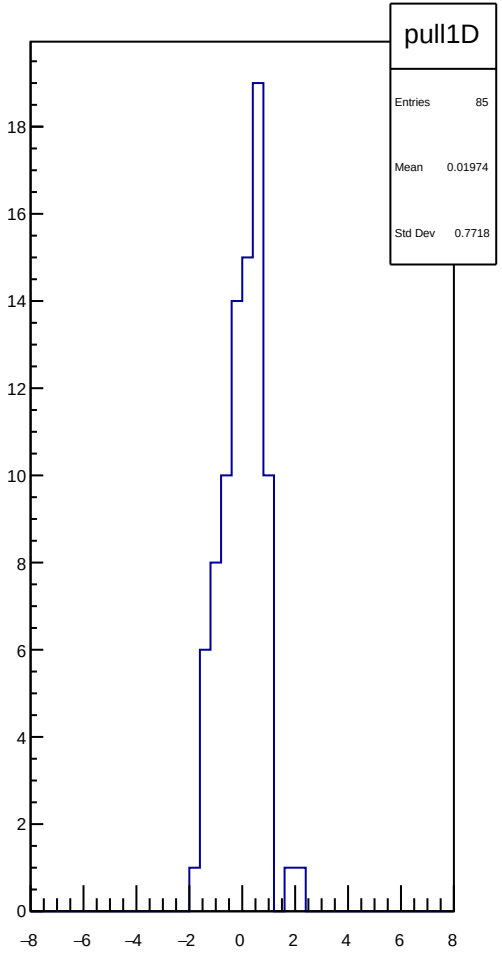

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 48 / 84
p0 −86.26 ± 2.057
pull
Entries 85
Mean 273.1
Std Dev 228.8
pull1D
Entries 85
Mean −0.0125
Std Dev 0.7514

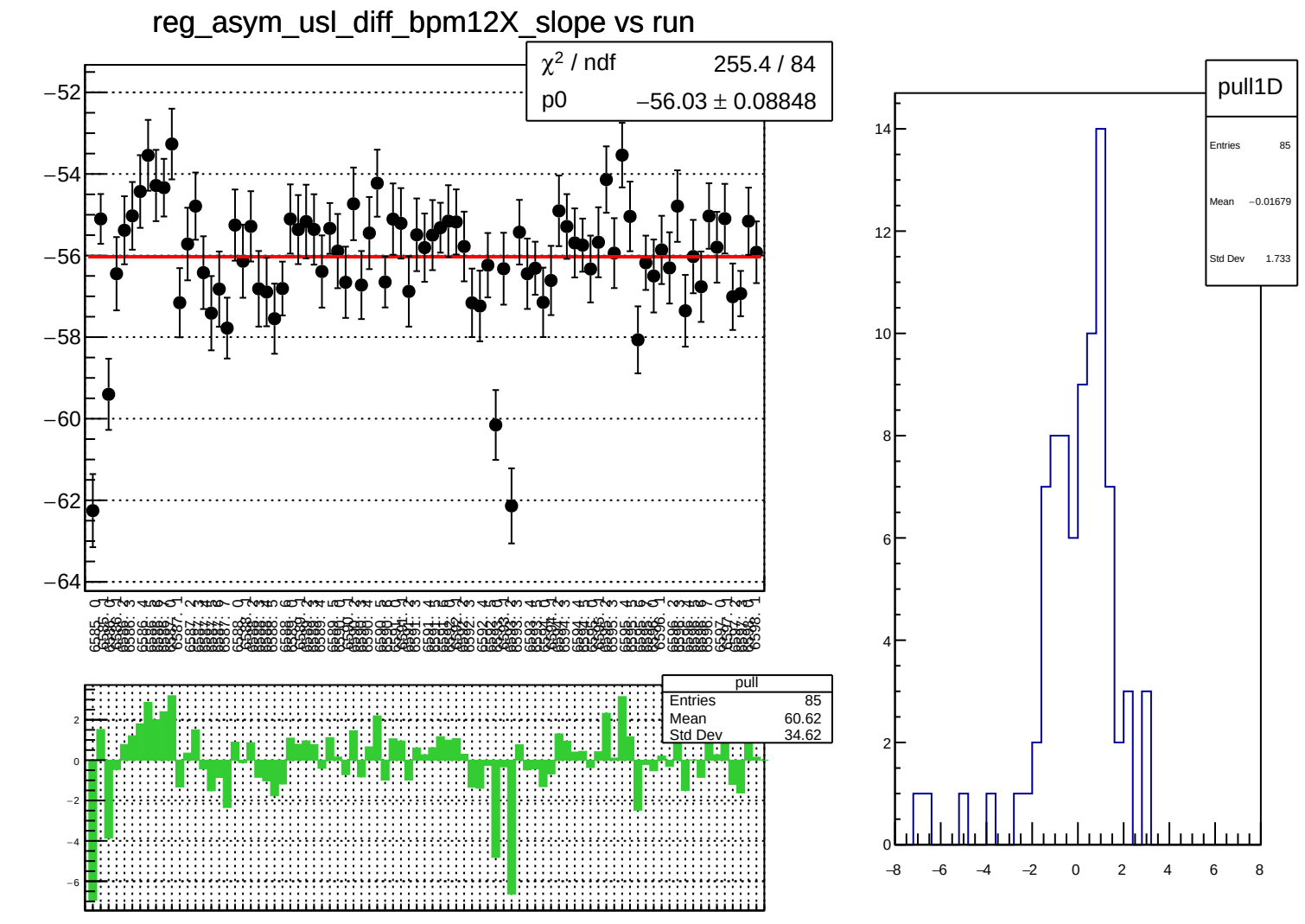

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 39.4 / 84
p0 −2.709 ± 1.468
pull
Entries 85
Mean −158
Std Dev 188.2

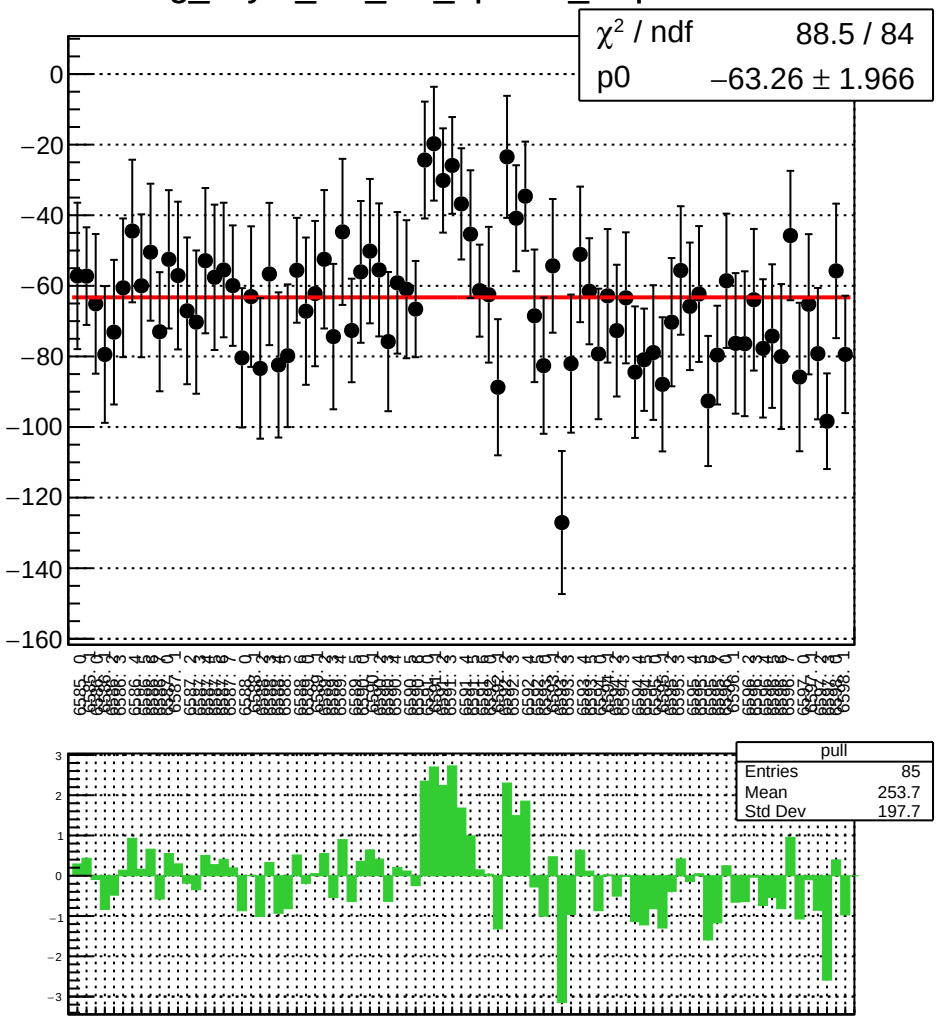

pull1D
Entries 85
Mean −0.01693
Std Dev 0.6806

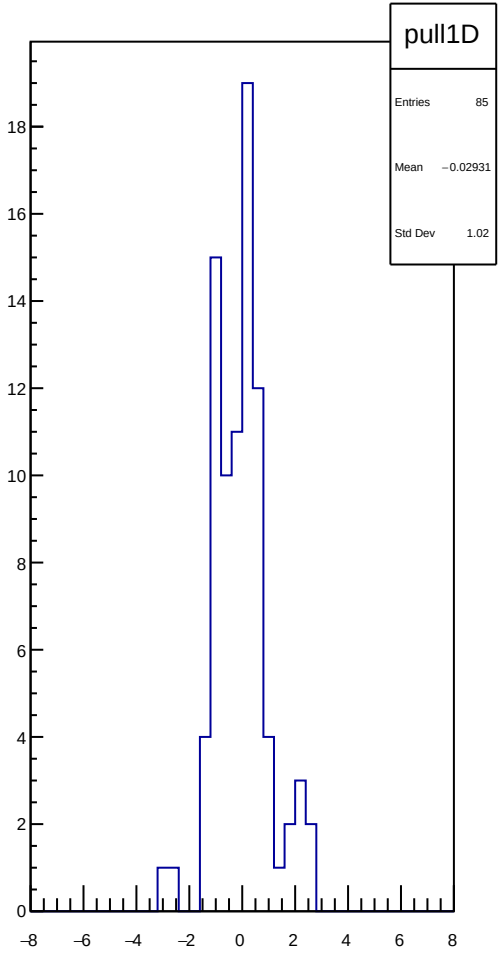

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 46.33 / 84
p0 39.02 ± 2.187
pull
Entries 85
Mean 261.4
Std Dev 217.1
pull1D
Entries 85
Mean 0.01288
Std Dev 0.7381

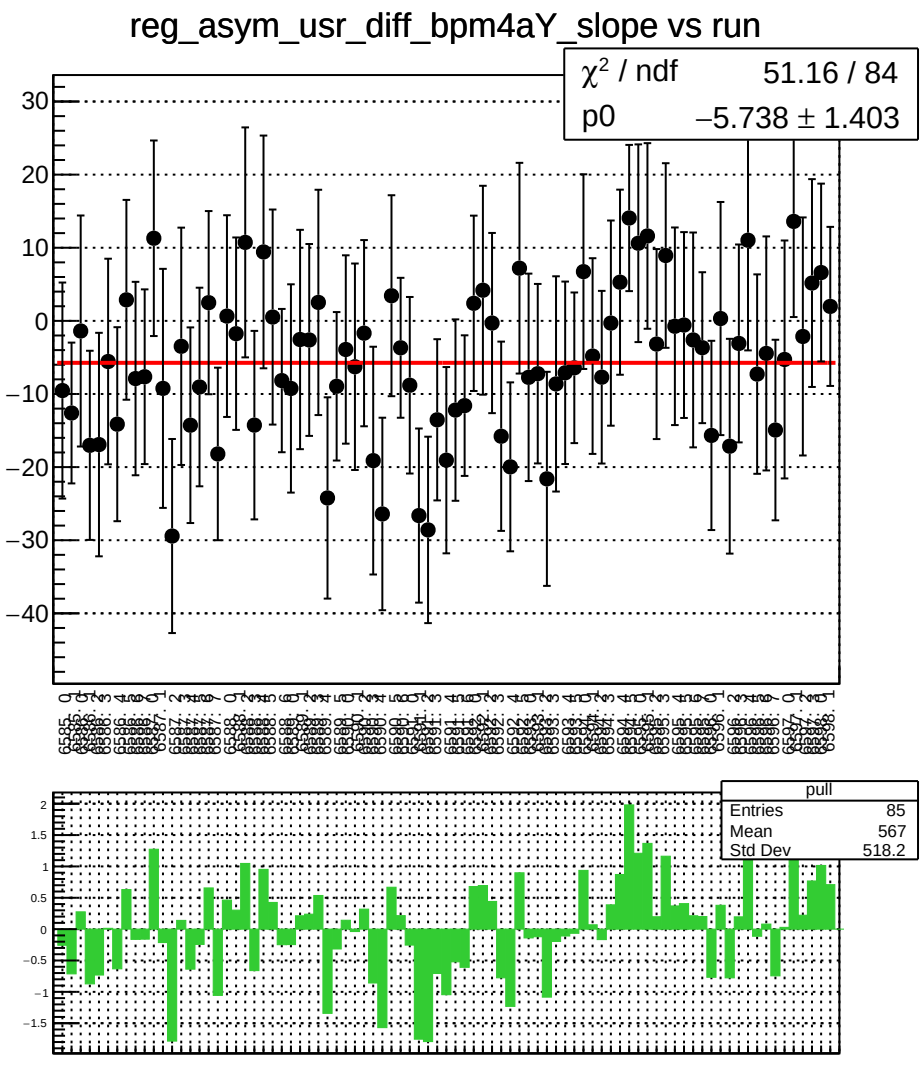

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 50.67 / 84
p0 32.96 ± 1.766
pull
Entries 85
Mean −217.7
Std Dev 249.8

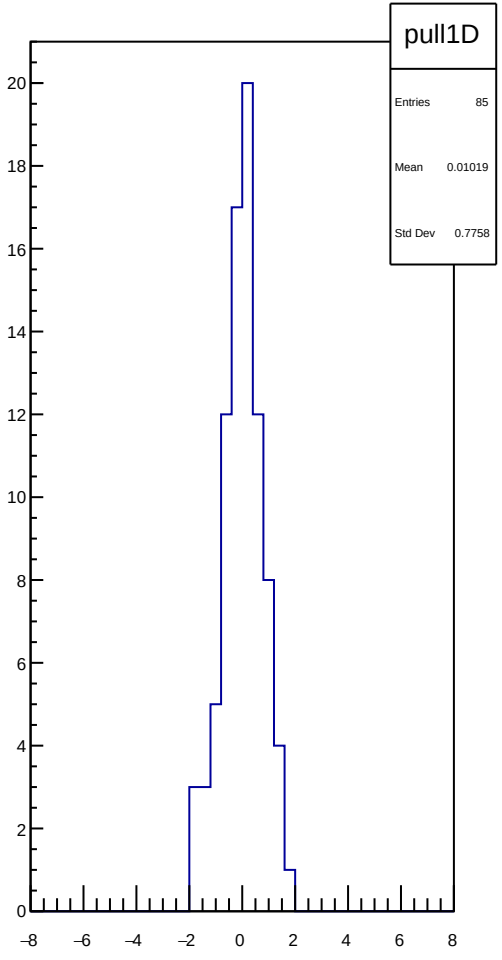

pull1D
Entries 85
Mean 0.01974
Std Dev 0.7718

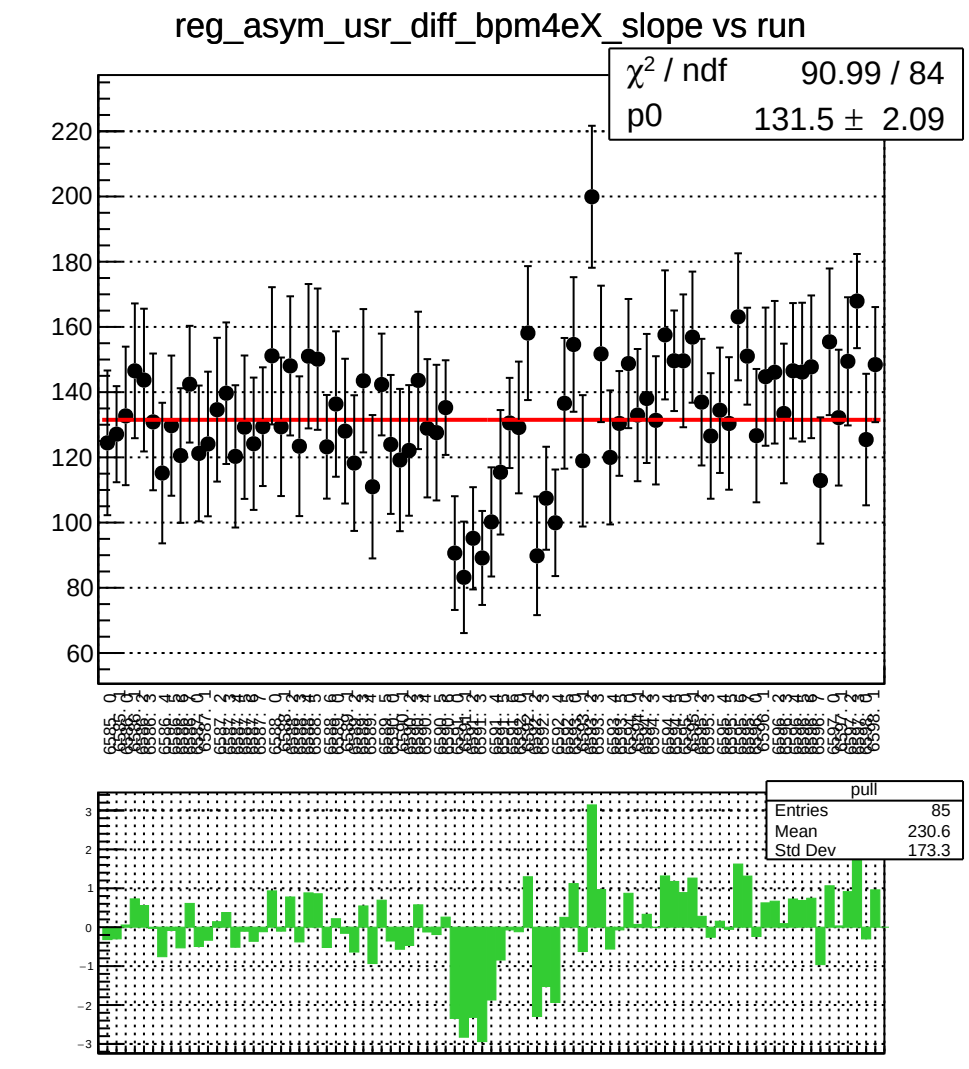

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 255.4 / 84
p0 −56.03 ± 0.08848
pull
Entries 85
Mean 60.62
Std Dev 34.62
pull1D
Entries 85
Mean −0.01679
Std Dev 1.733

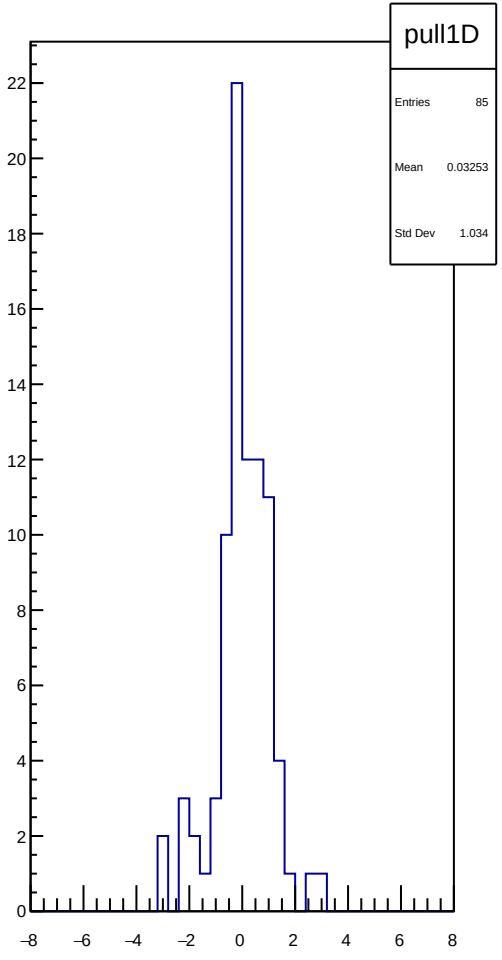

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 88.5 / 84
p0 −63.26 ± 1.966
pull
Entries 85
Mean 253.7
Std Dev 197.7

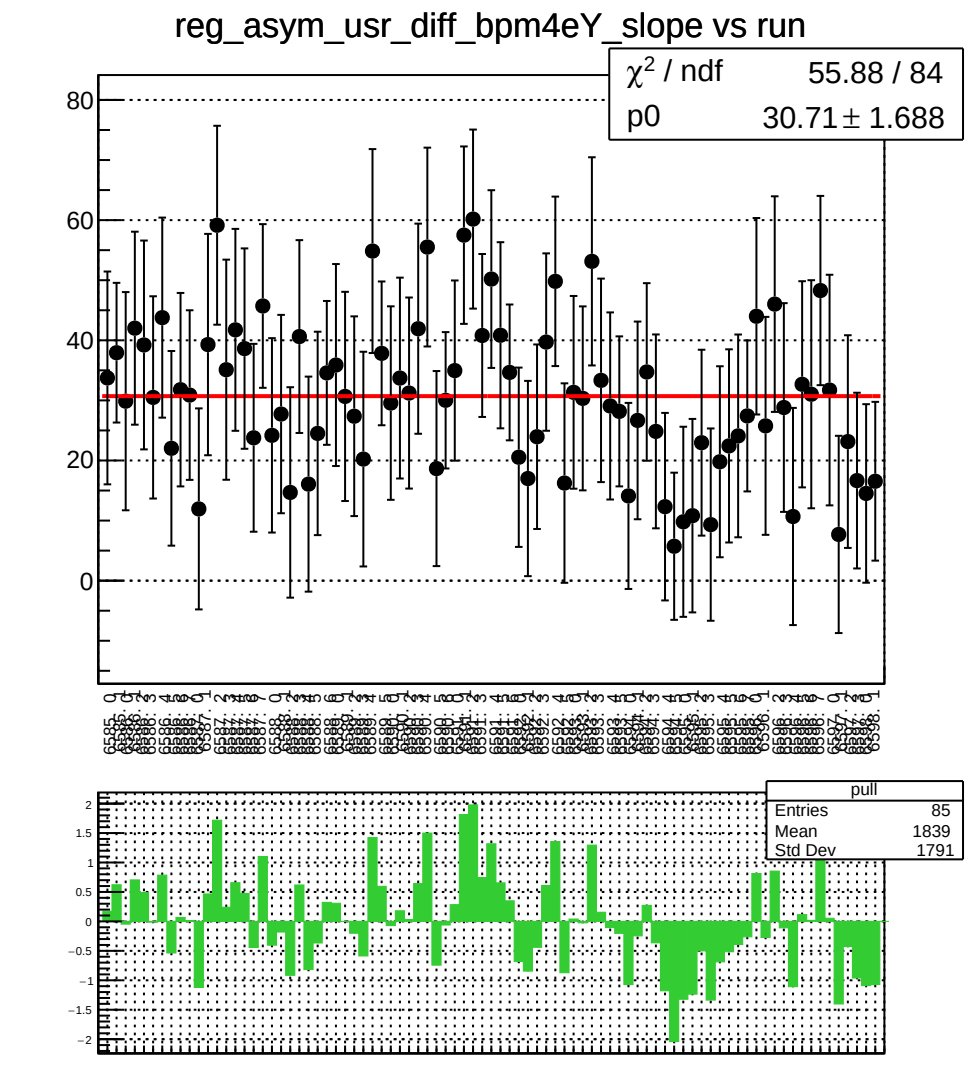

pull1D
Entries 85
Mean −0.02931
Std Dev 1.02

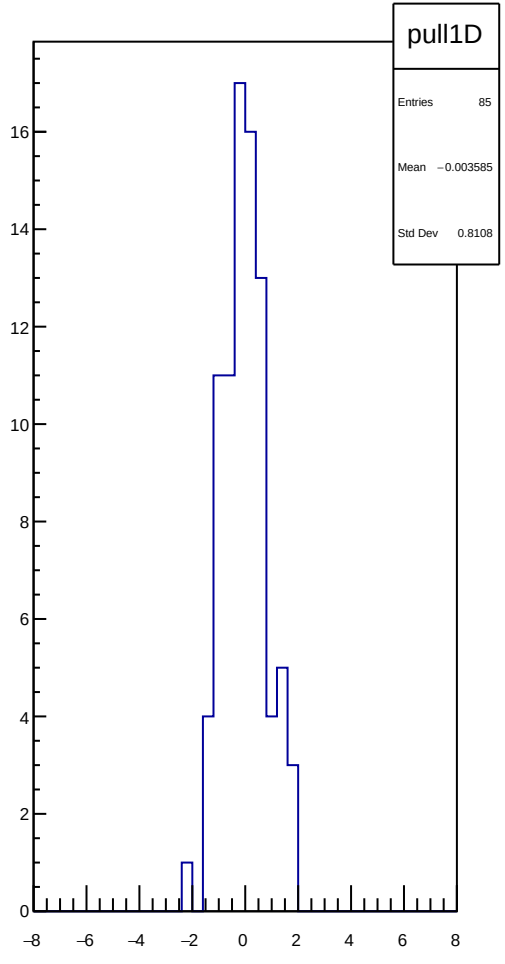

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 51.16 / 84
p0 −5.738 ± 1.403
pull
Entries 85
Mean 567
Std Dev 518.2

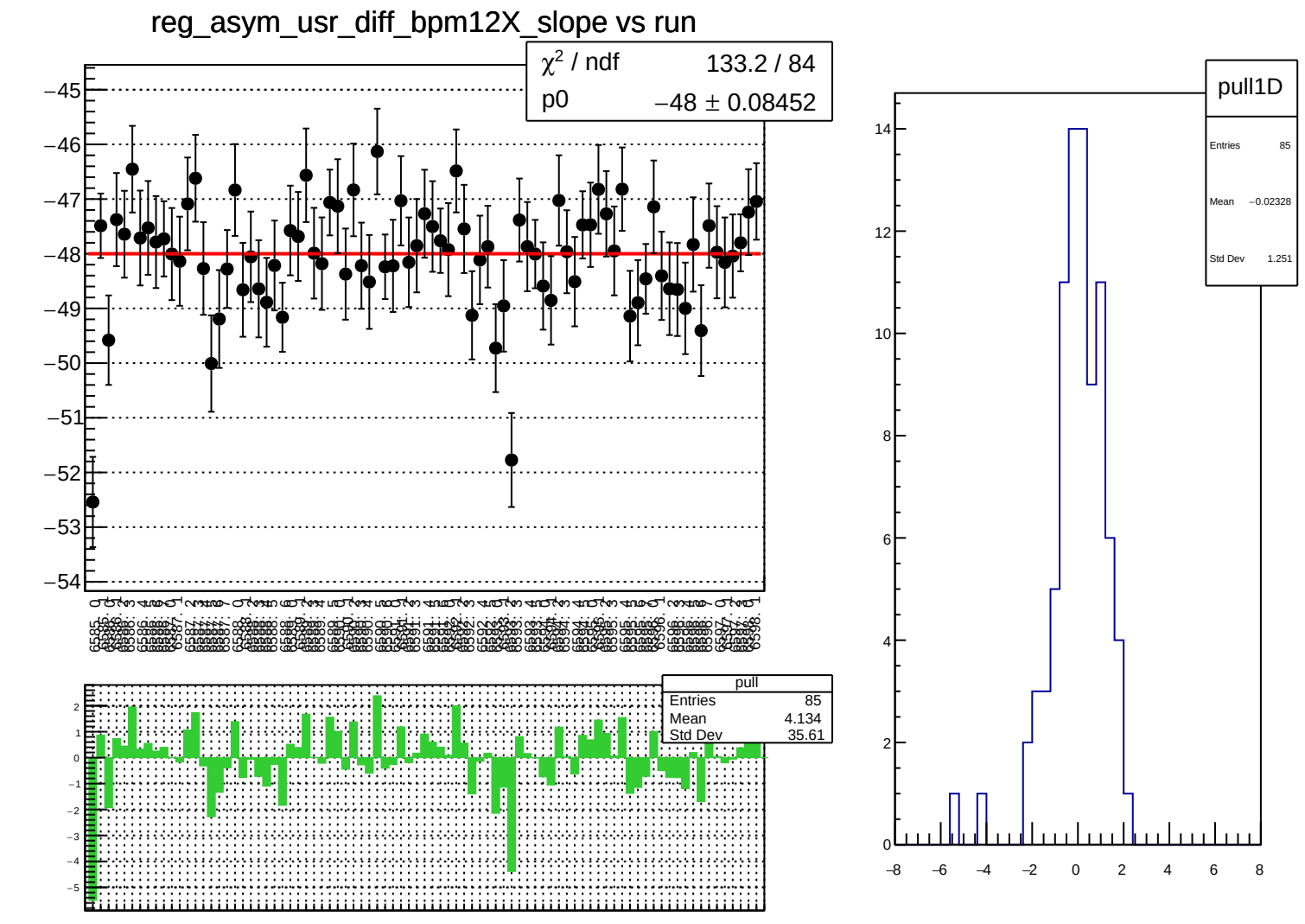

pull1D
Entries 85
Mean 0.01019
Std Dev 0.7758

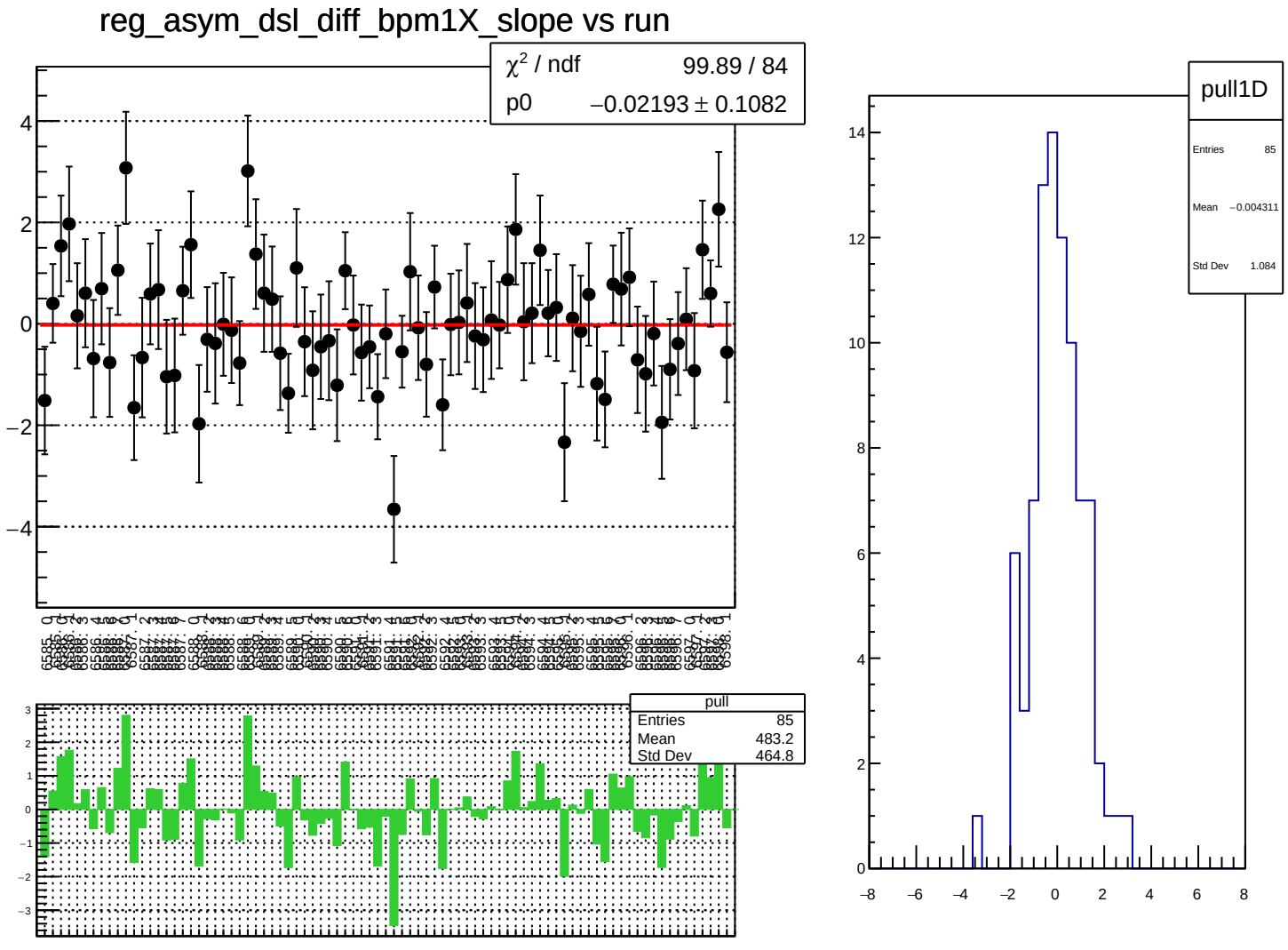

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 90.99 / 84
p0 131.5 ± 2.09
pull
Entries 85
Mean 230.6
Std Dev 173.3

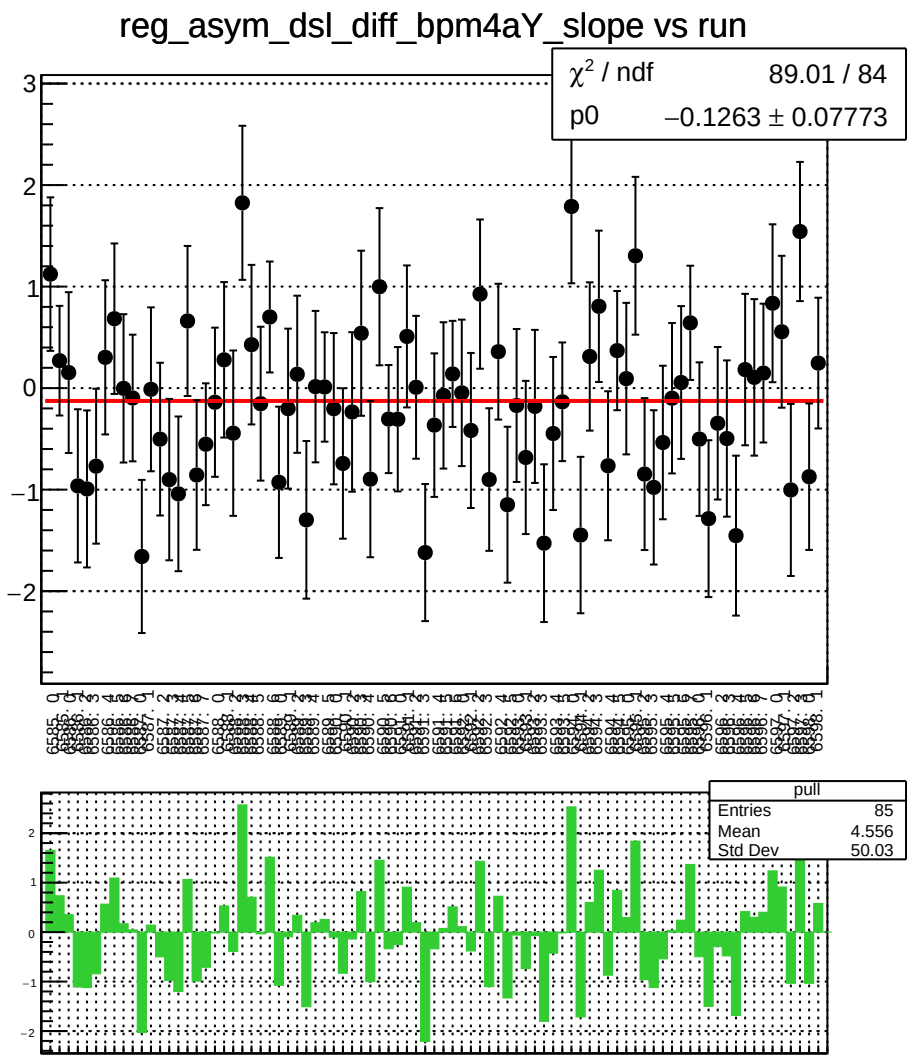

pull1D
Entries 85
Mean 0.03253
Std Dev 1.034

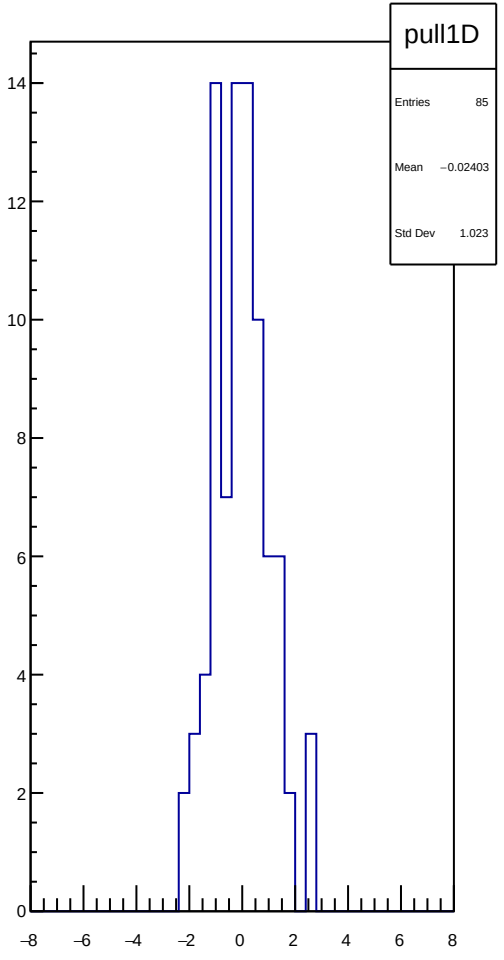

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 55.88 / 84
p0 30.71 ± 1.688
pull
Entries 85
Mean 1839
Std Dev 1791

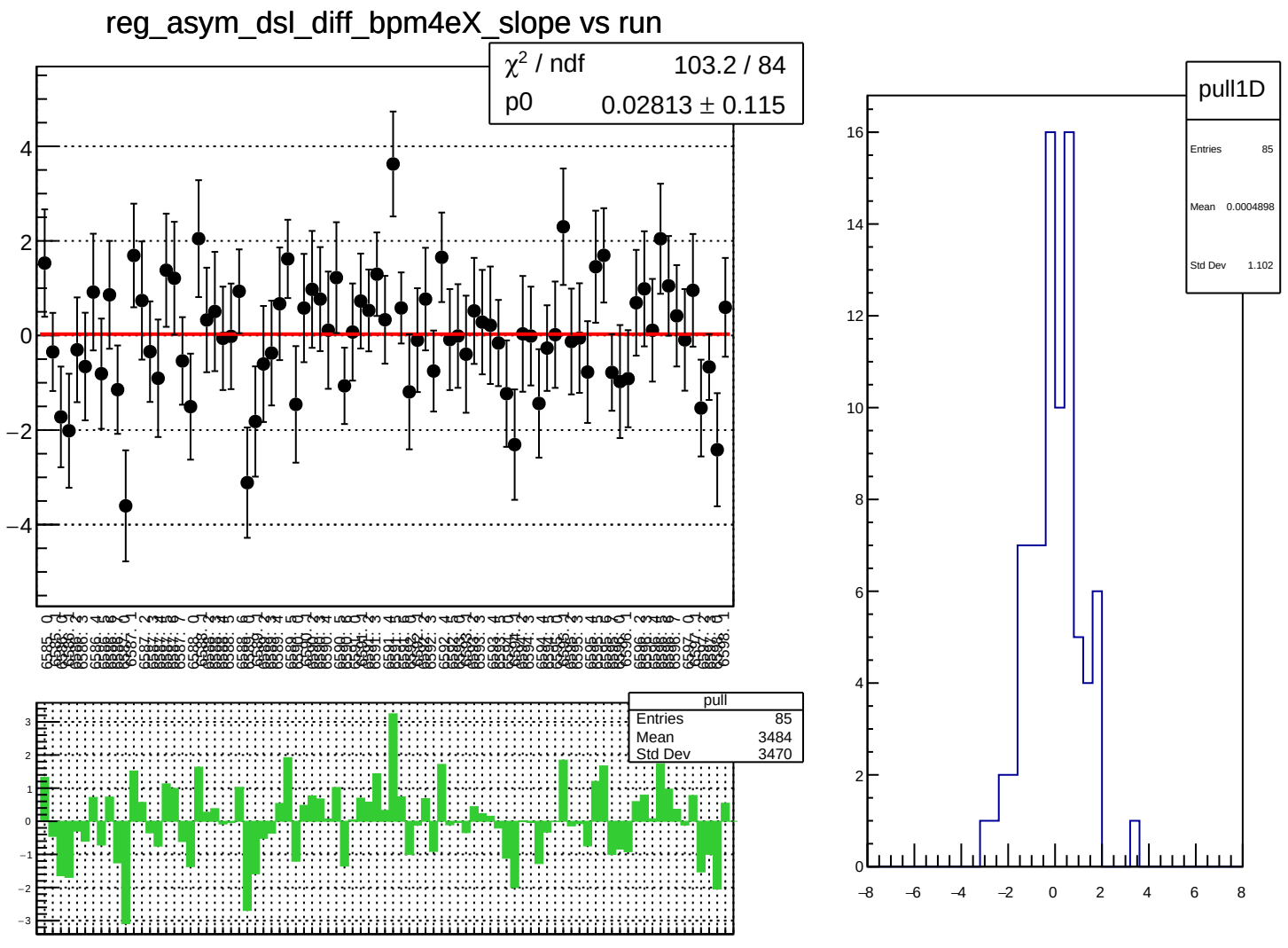

pull1D
Entries 85
Mean −0.003585
Std Dev 0.8108

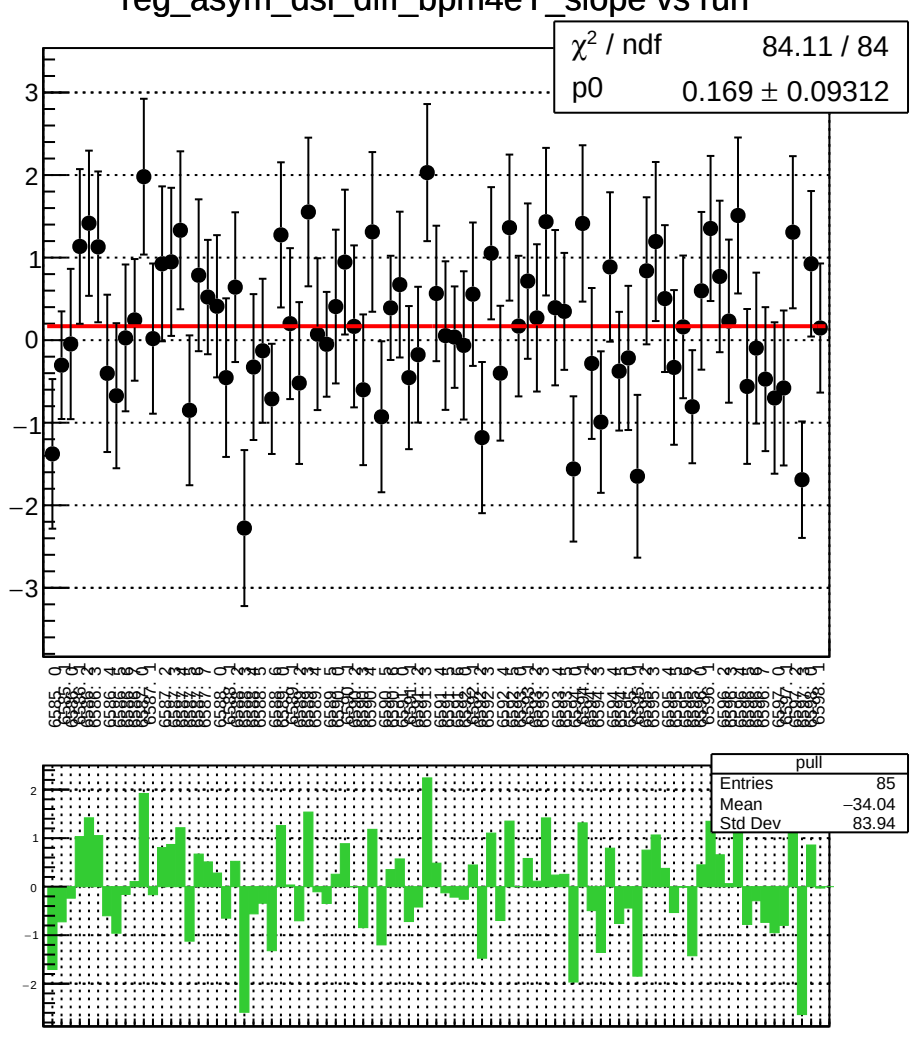

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 133.2 / 84
p0 −48 ± 0.08452
pull
Entries 85
Mean 4.134
Std Dev 35.61
pull1D
Entries 85
Mean −0.02328
Std Dev 1.251

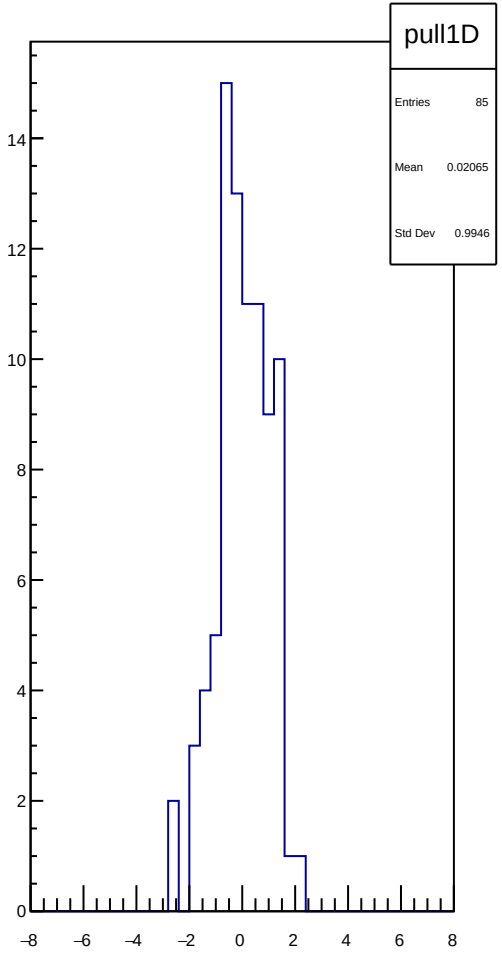

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 99.89 / 84
p0 −0.02193 ± 0.1082
pull
Entries 85
Mean 483.2
Std Dev 464.8
pull1D
Entries 85
Mean −0.004311
Std Dev 1.084

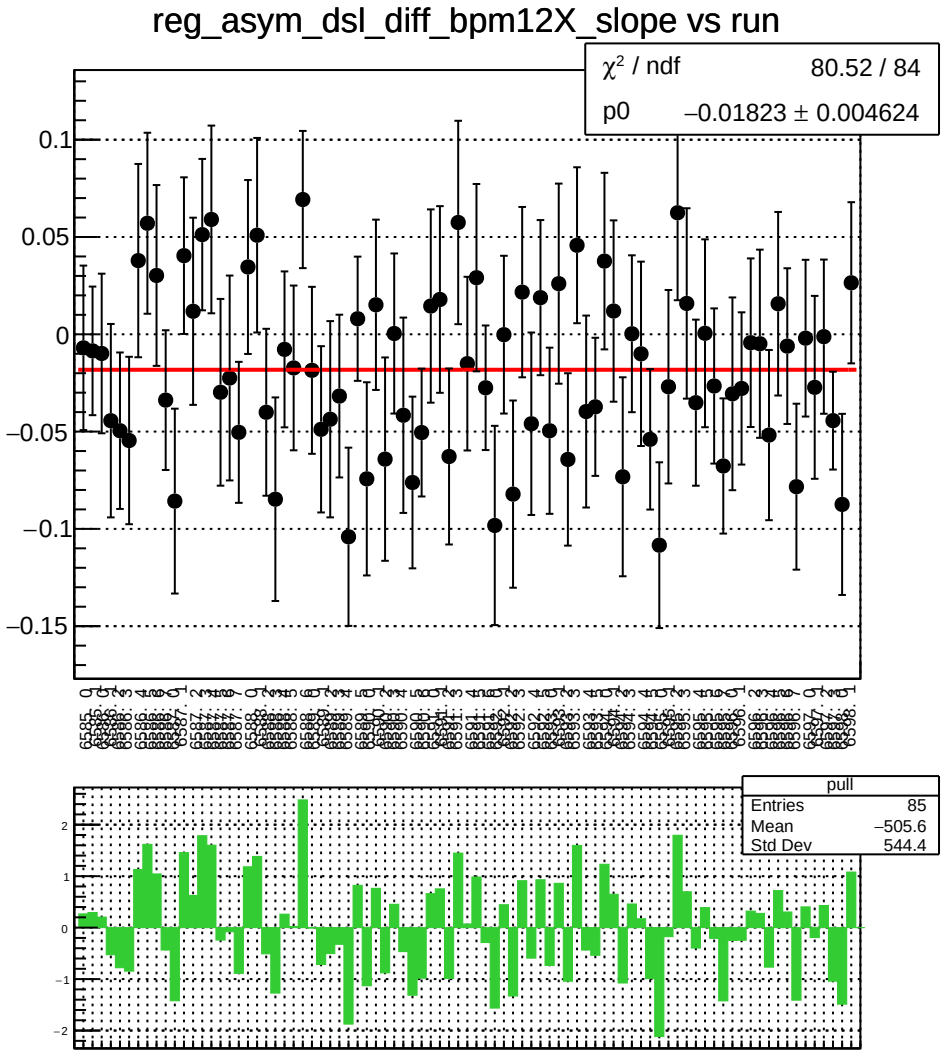

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 89.01 / 84
p0 −0.1263 ± 0.07773
pull
Entries 85
Mean 4.556
Std Dev 50.03

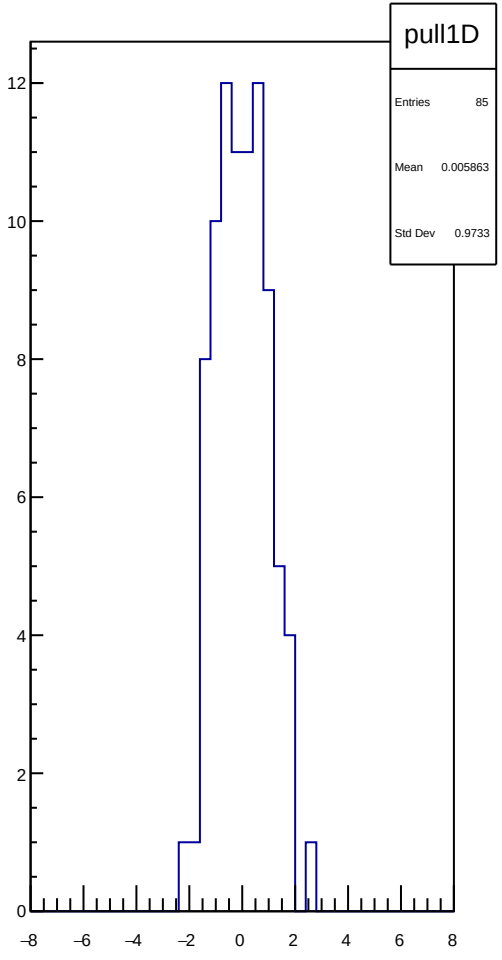

pull1D
Entries 85
Mean −0.02403
Std Dev 1.023

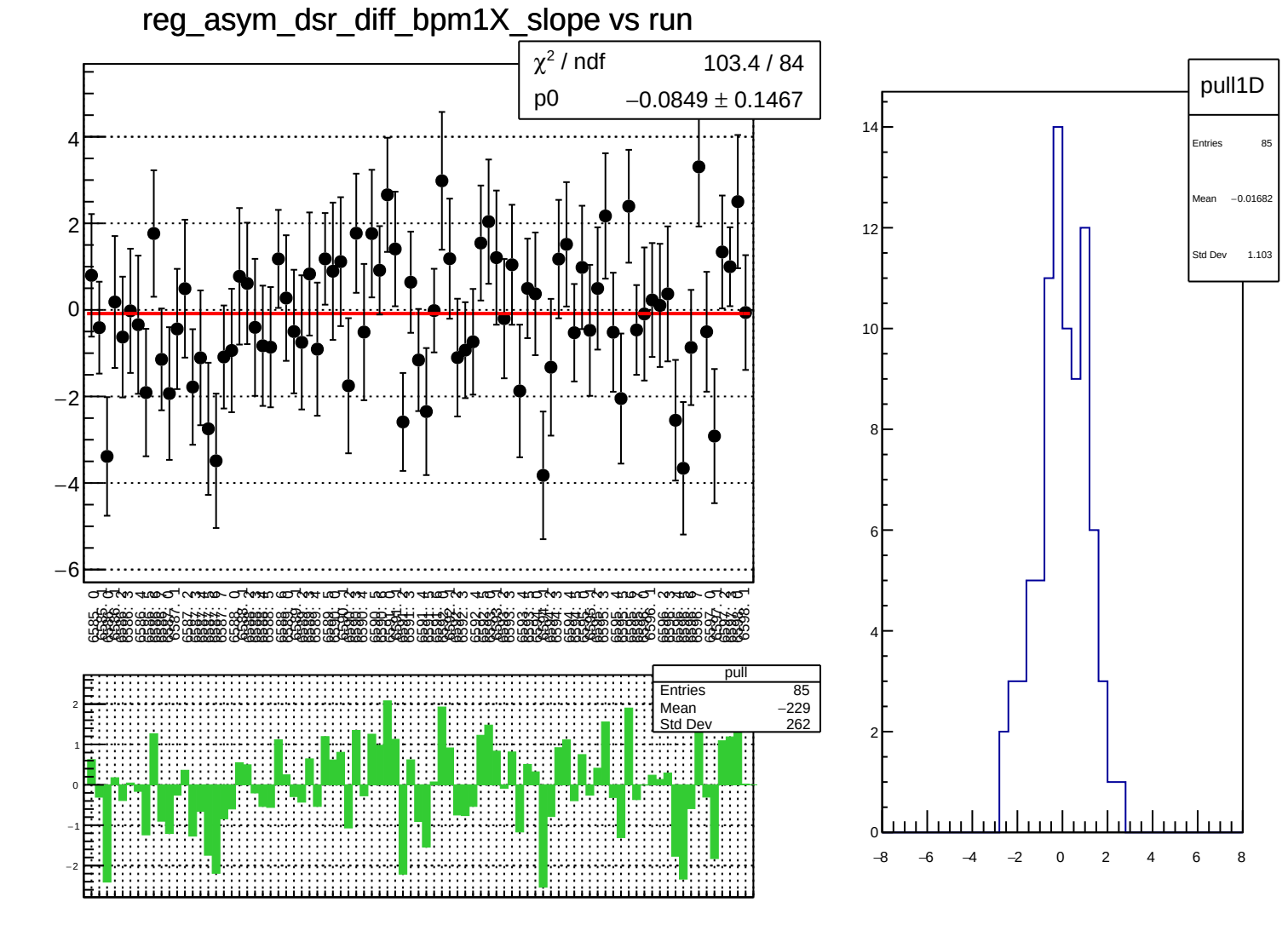

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 103.2 / 84
p0 0.02813 ± 0.115
pull
Entries 85
Mean 3484
Std Dev 3470
pull1D
Entries 85
Mean 0.0004898
Std Dev 1.102

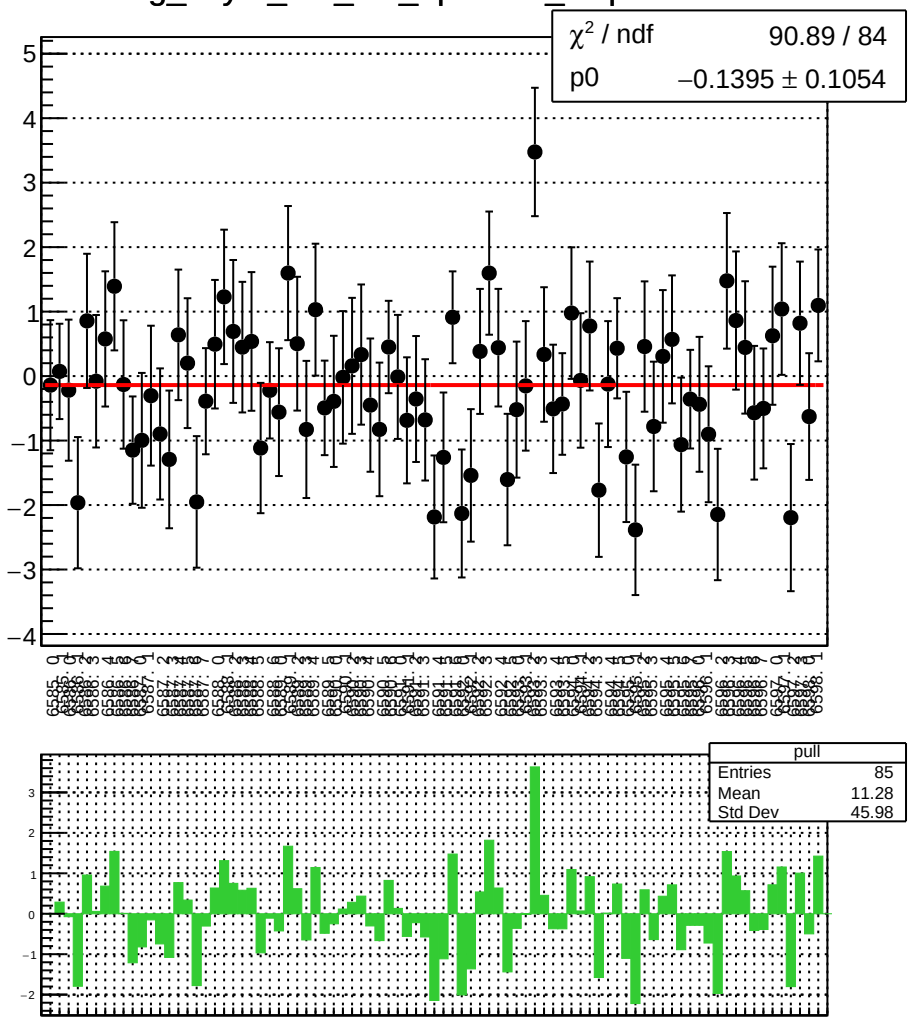

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 84.11 / 84
p0 0.169 ± 0.09312
pull
Entries 85
Mean −34.04
Std Dev 83.94

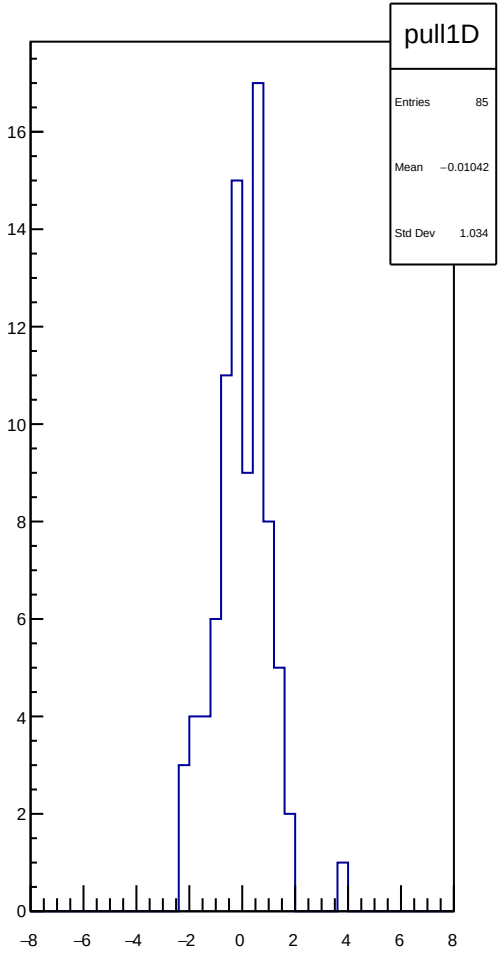

pull1D
Entries 85
Mean 0.02065
Std Dev 0.9946

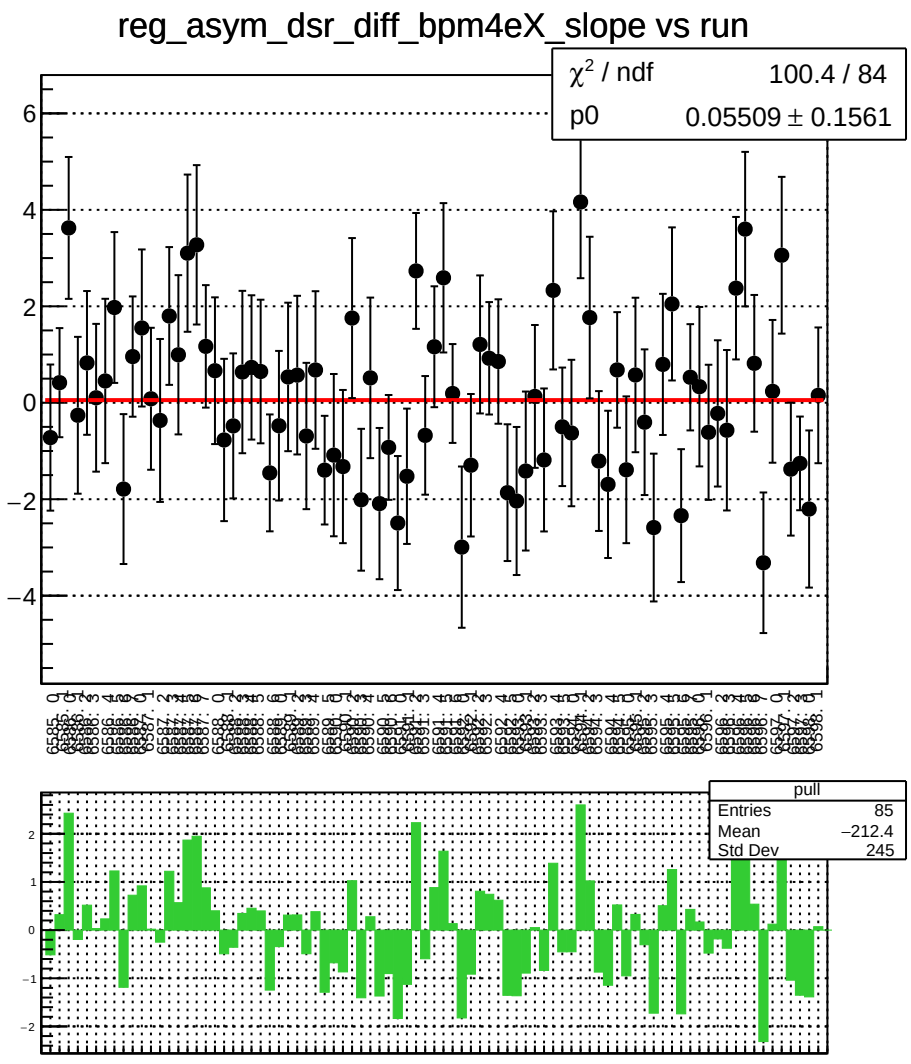

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 80.52 / 84
p0 −0.01823 ± 0.004624
pull
Entries 85
Mean −505.6
Std Dev 544.4

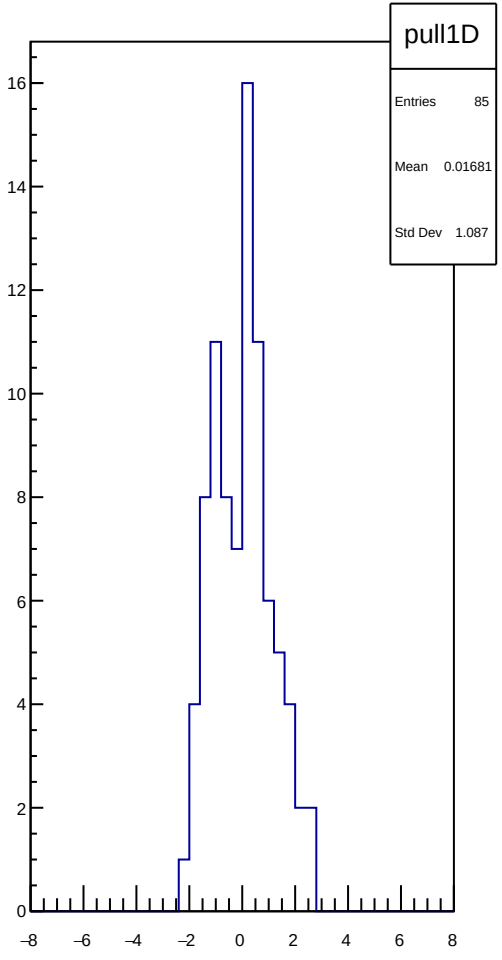

pull1D
Entries 85
Mean 0.005863
Std Dev 0.9733

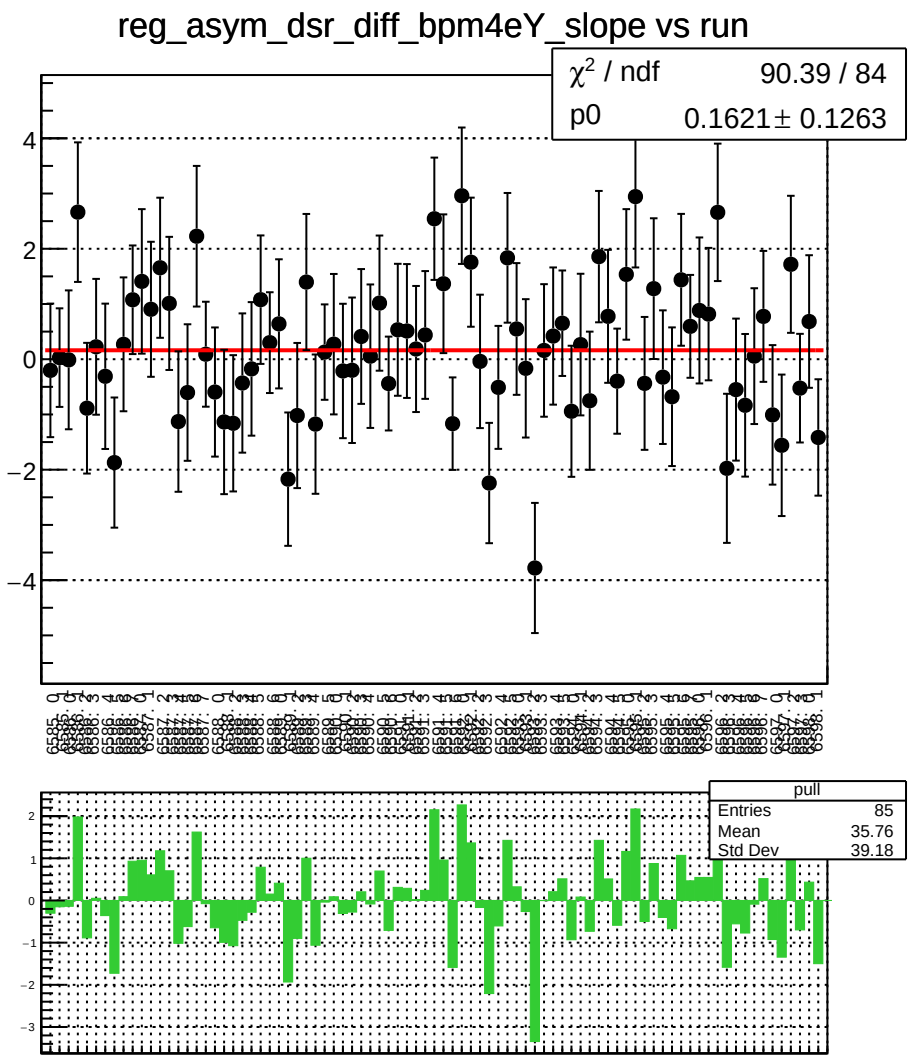

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 103.4 / 84
p0 −0.0849 ± 0.1467
pull
Entries 85
Mean −229
Std Dev 262
pull1D
Entries 85
Mean −0.01682
Std Dev 1.103

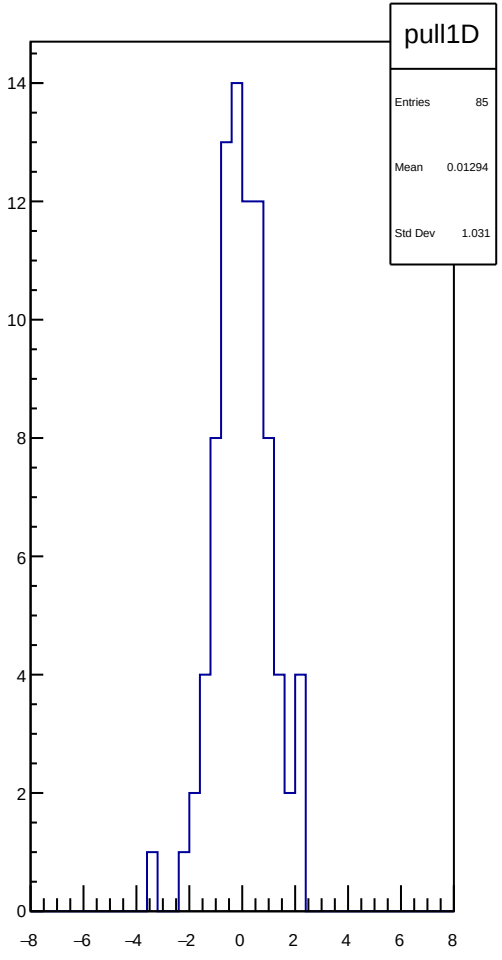

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 90.89 / 84
p0 −0.1395 ± 0.1054
pull
Entries 85
Mean 11.28
Std Dev 45.98

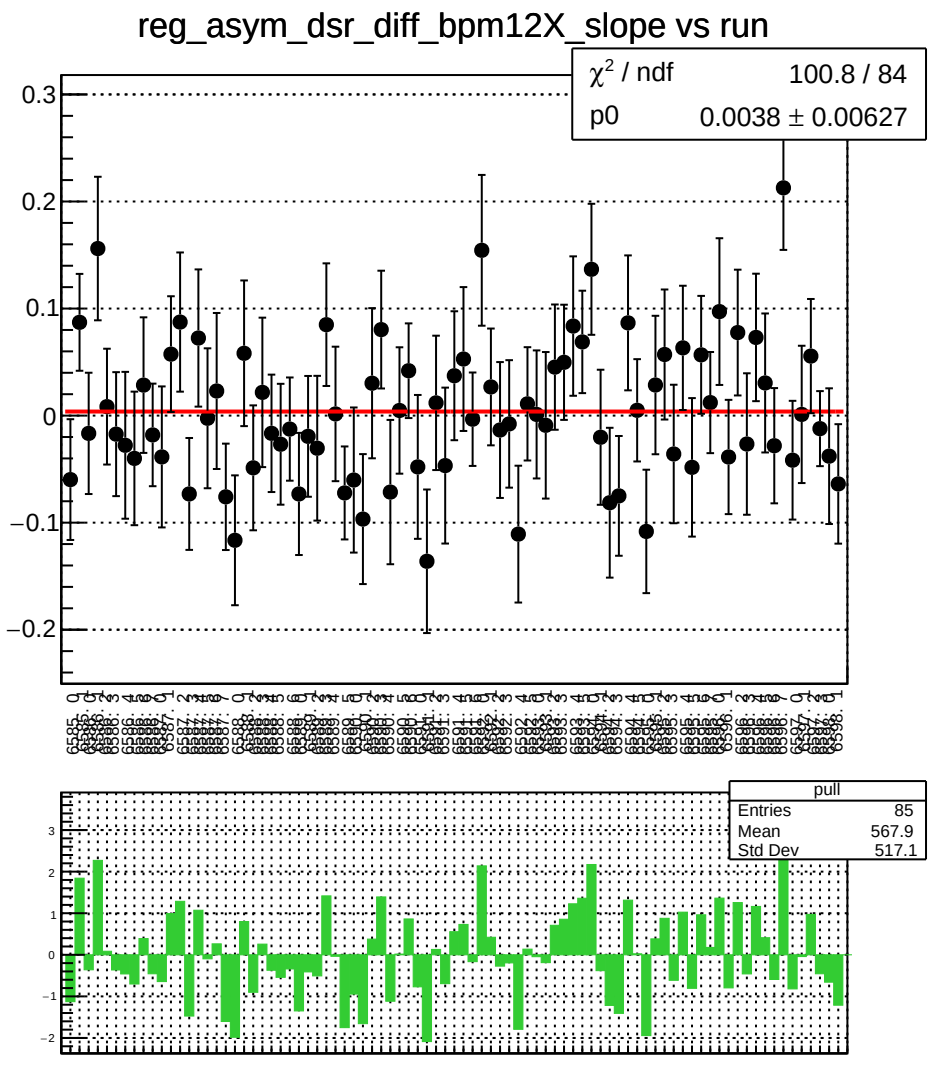

pull1D
Entries 85
Mean −0.01042
Std Dev 1.034

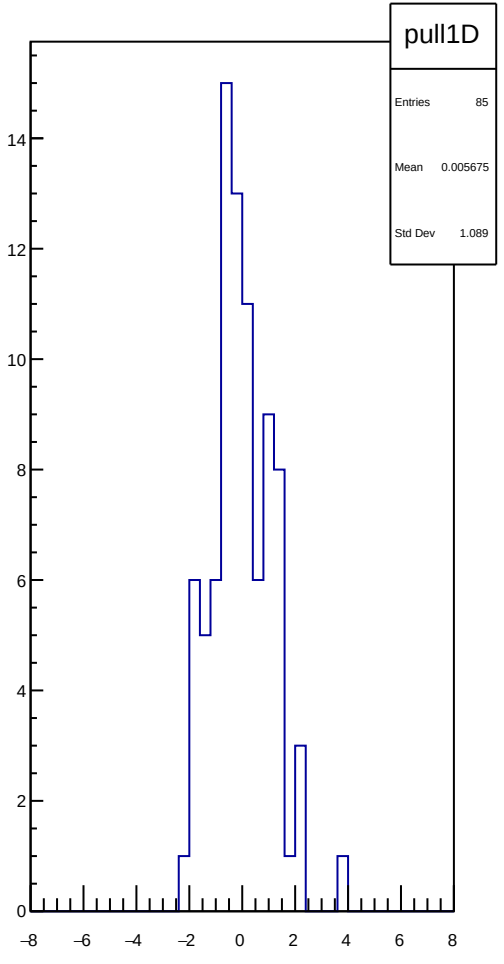

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 100.4 / 84
p0 0.05509 ± 0.1561
pull
Entries 85
Mean −212.4
Std Dev 245

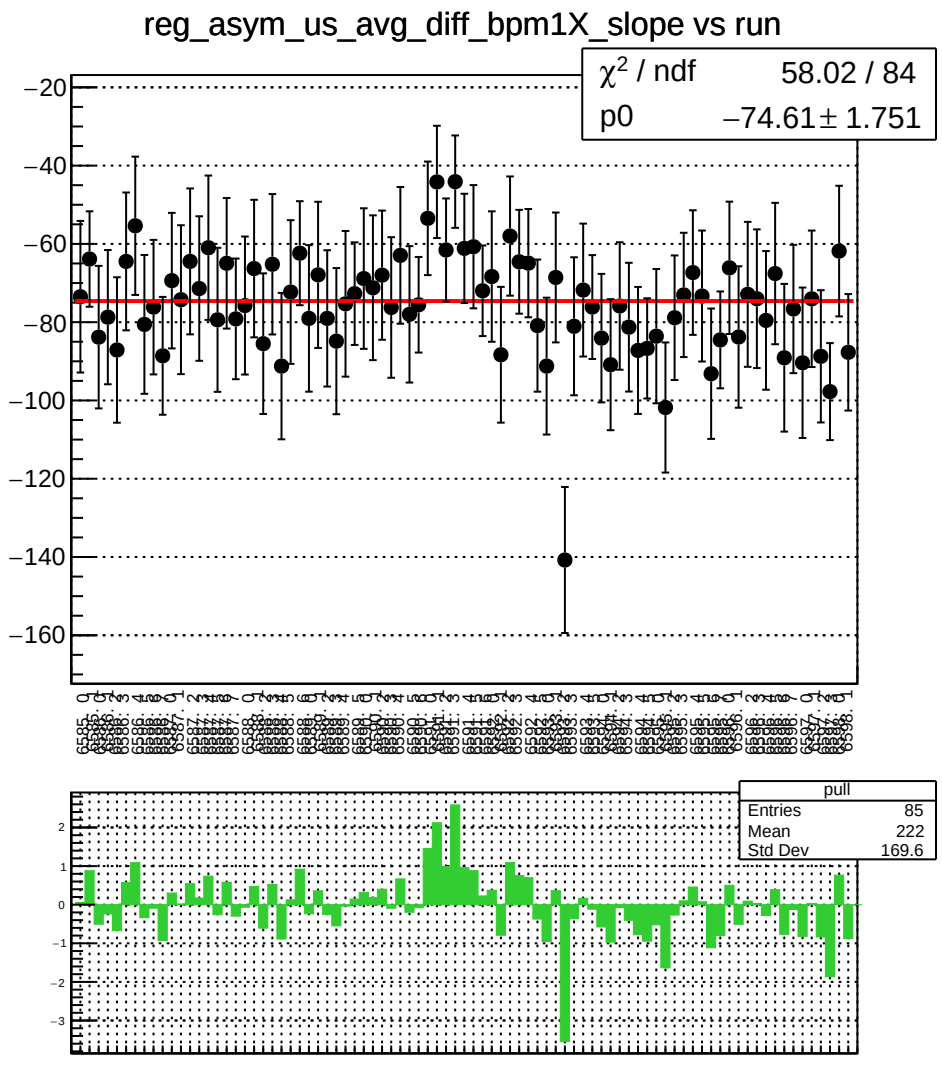

pull1D
Entries 85
Mean 0.01681
Std Dev 1.087

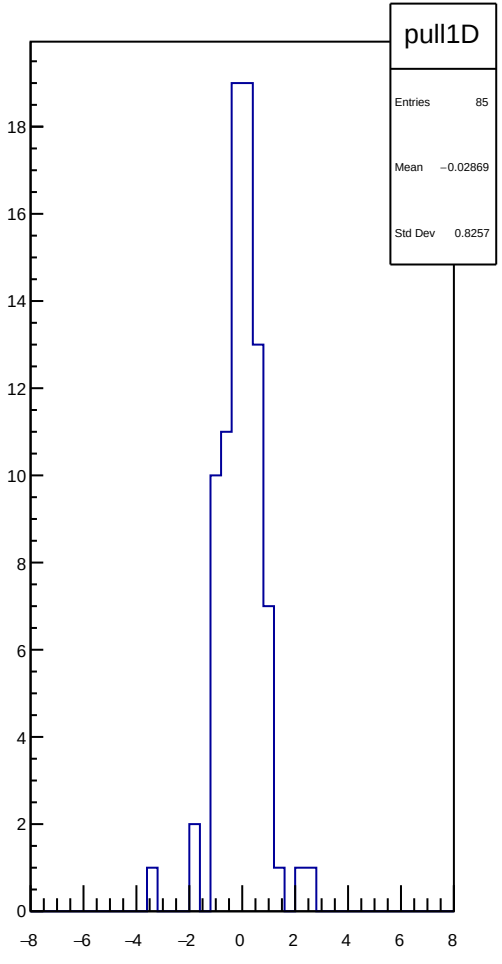

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 90.39 / 84
p0 0.1621 ± 0.1263
pull
Entries 85
Mean 35.76
Std Dev 39.18

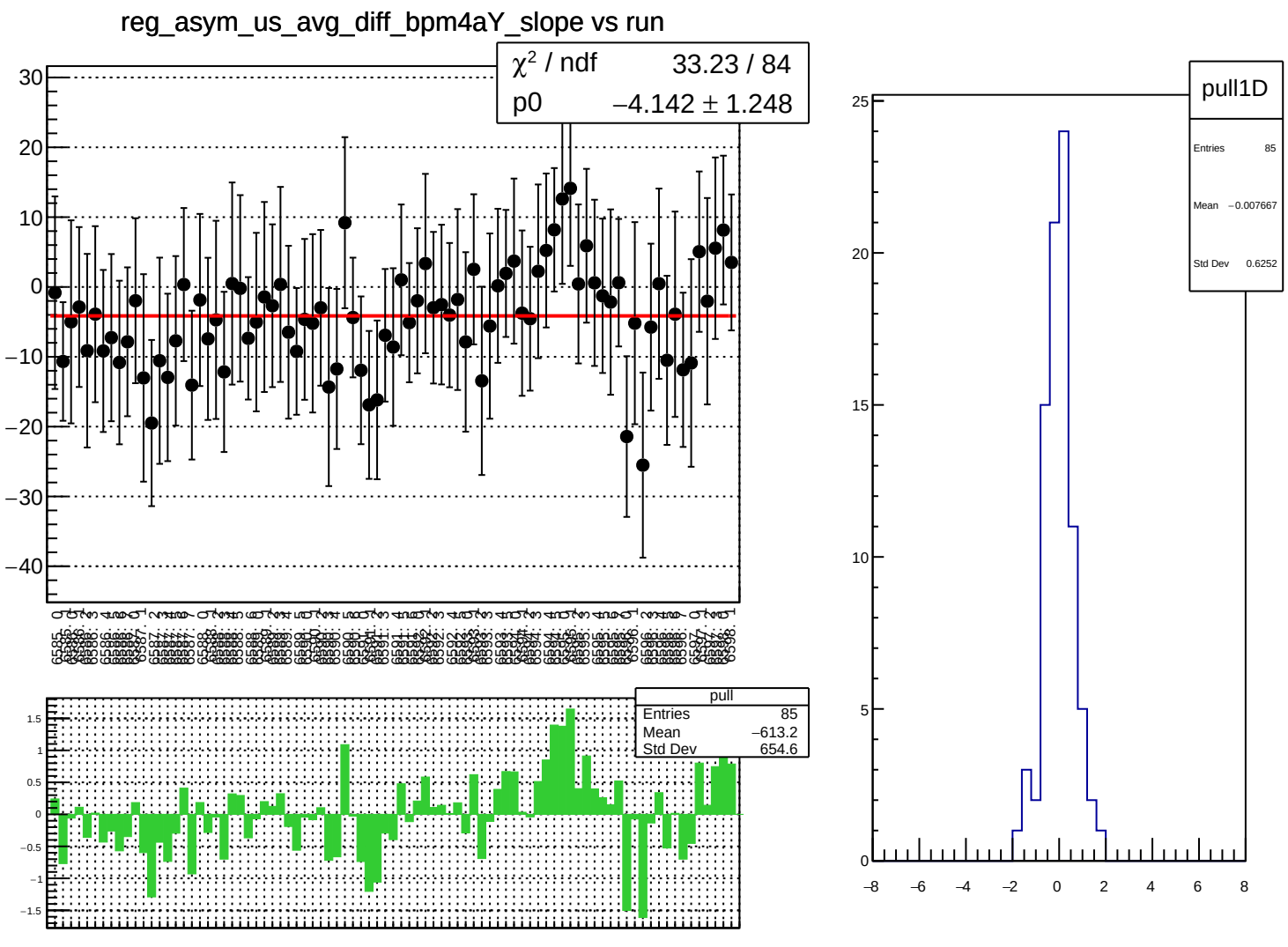

pull1D
Entries 85
Mean 0.01294
Std Dev 1.031

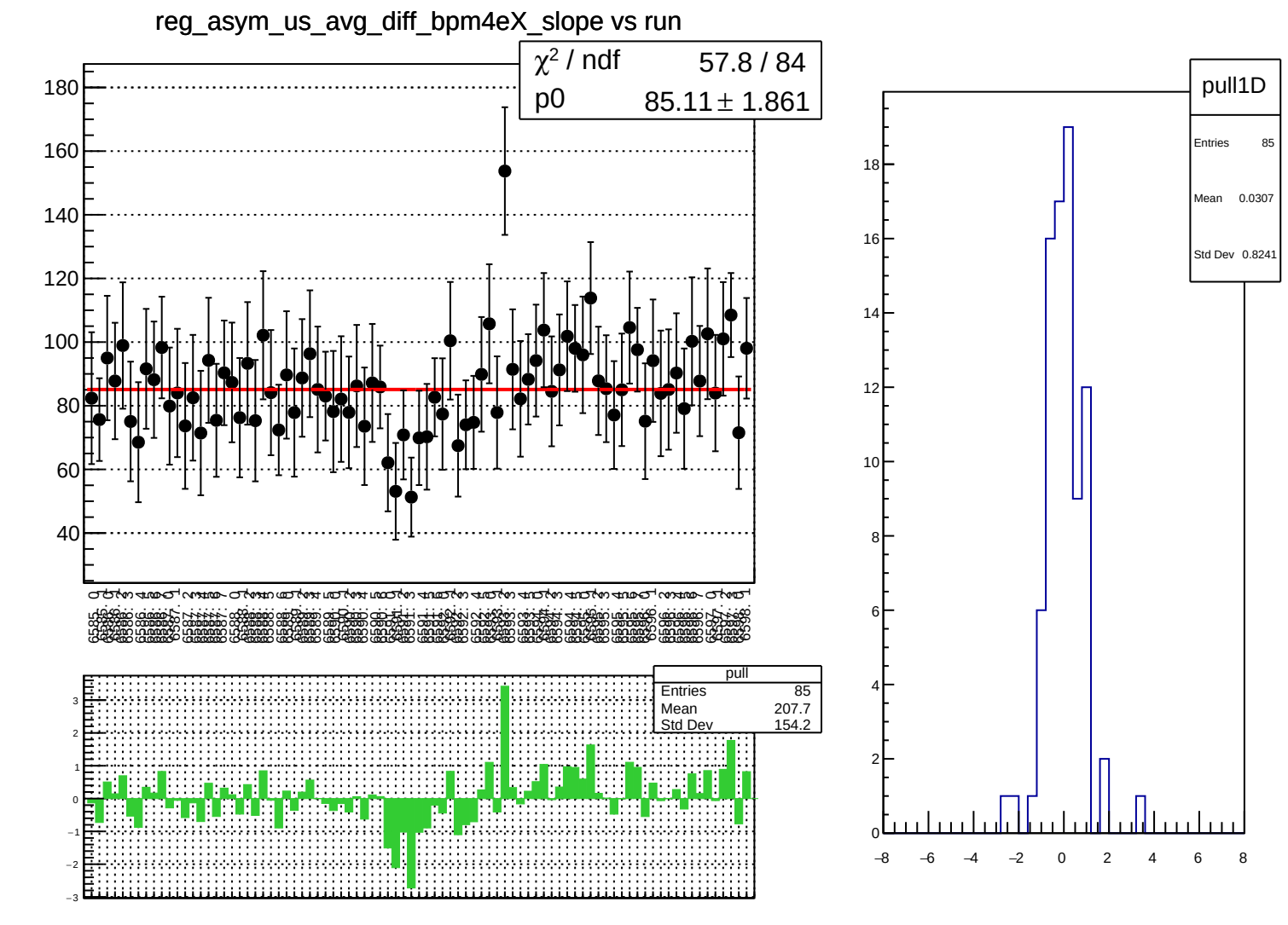

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 100.8 / 84
p0 0.0038 ± 0.00627
pull
Entries 85
Mean 567.9
Std Dev 517.1

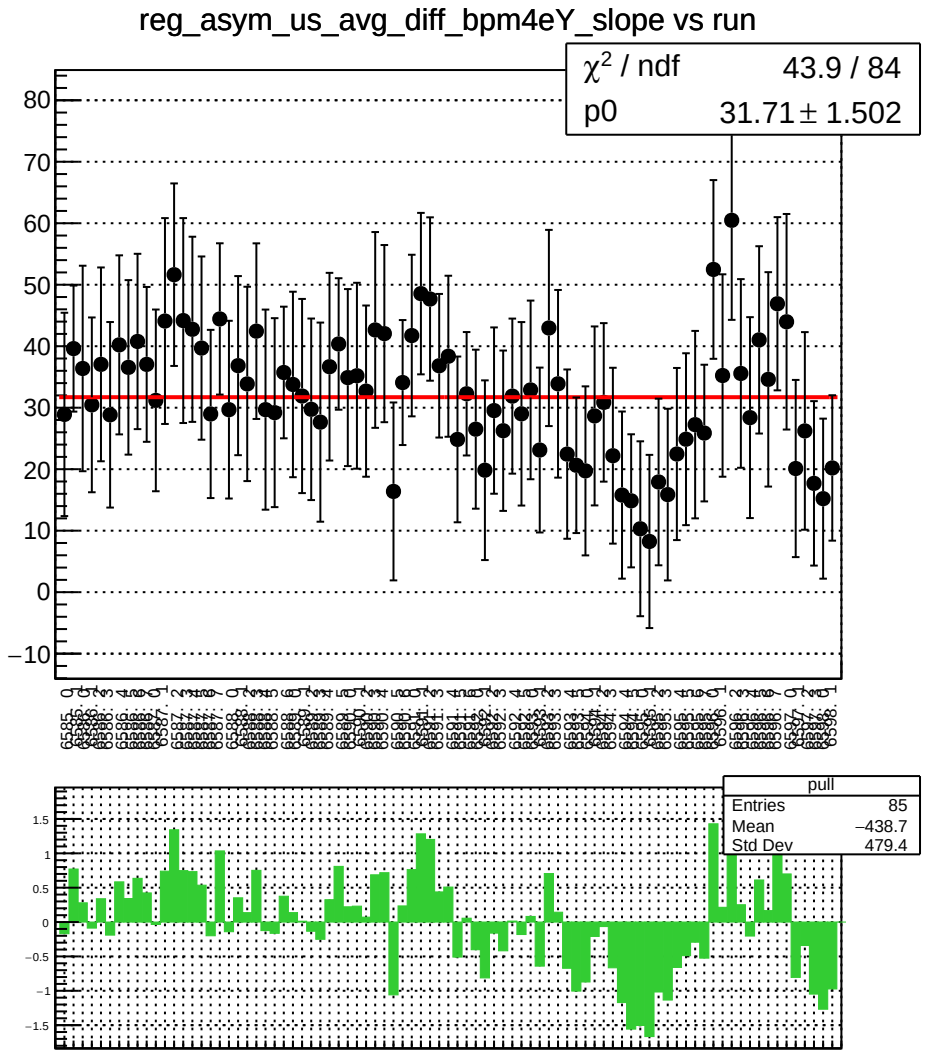

pull1D
Entries 85
Mean 0.005675
Std Dev 1.089

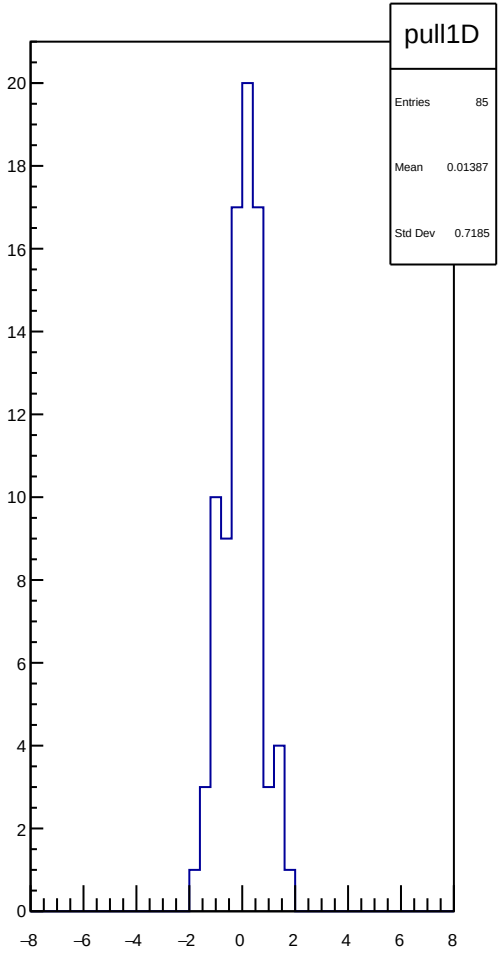

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 58.02 / 84
p0 −74.61 ± 1.751
pull
Entries 85
Mean 222
Std Dev 169.6

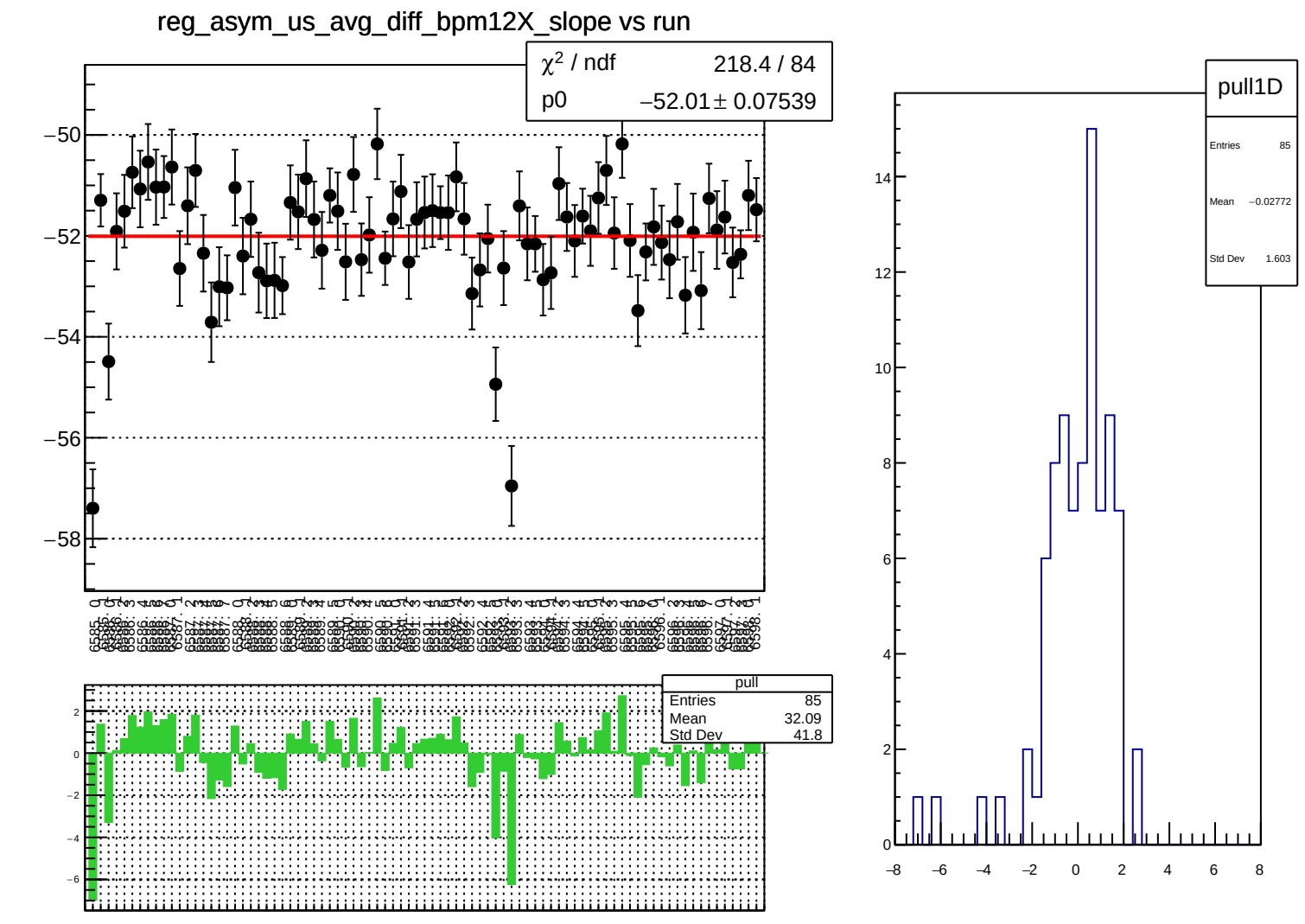

pull1D
Entries 85
Mean −0.02869
Std Dev 0.8257

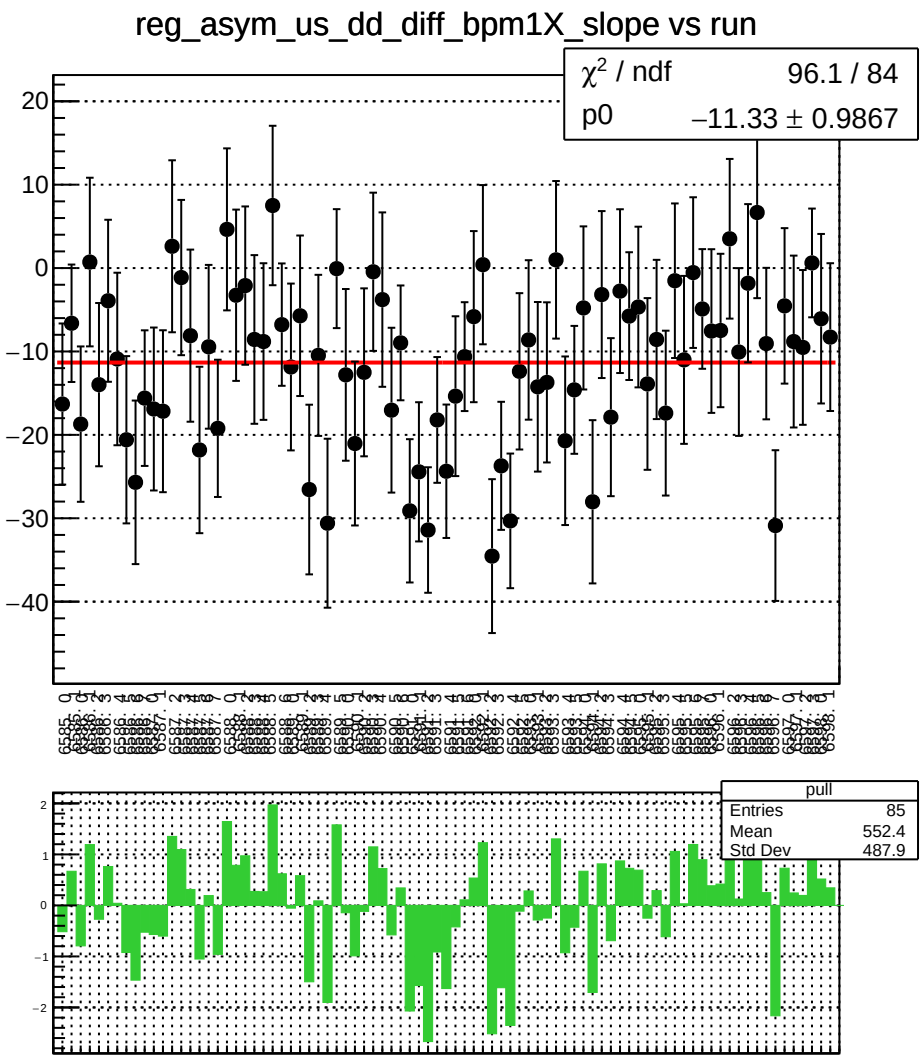

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.23 / 84
p0 −4.142 ± 1.248
pull
Entries 85
Mean −613.2
Std Dev 654.6
pull1D
Entries 85
Mean −0.007667
Std Dev 0.6252

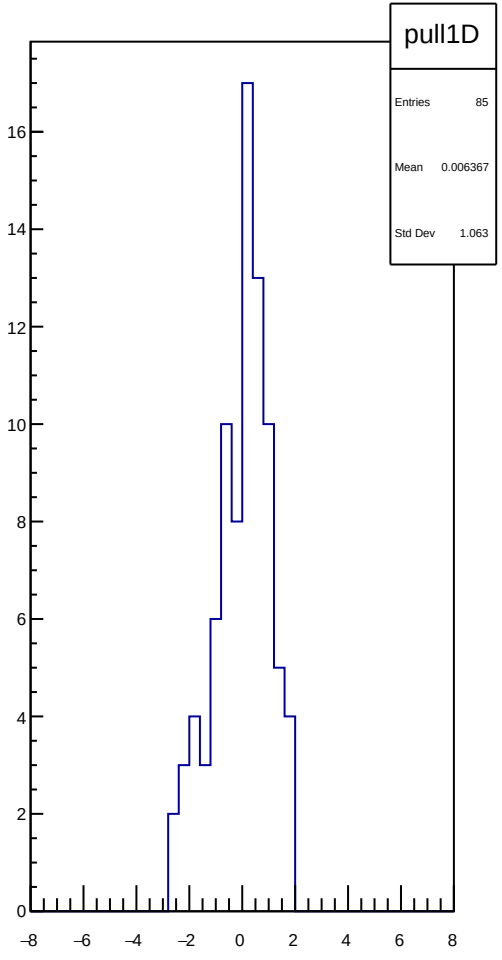

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.8 / 84
p0 85.11 ± 1.861
pull
Entries 85
Mean 207.7
Std Dev 154.2
pull1D
Entries 85
Mean 0.0307
Std Dev 0.8241

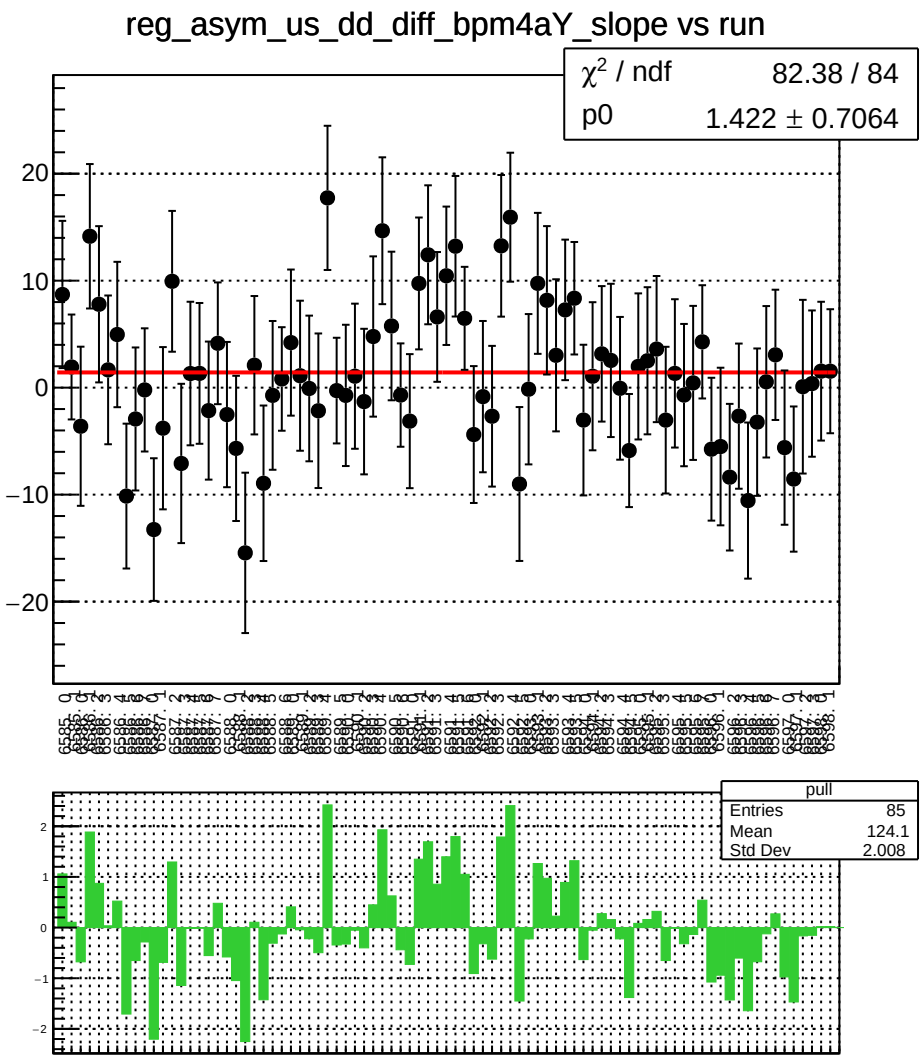

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 43.9 / 84
p0 31.71 ± 1.502
pull
Entries 85
Mean −438.7
Std Dev 479.4

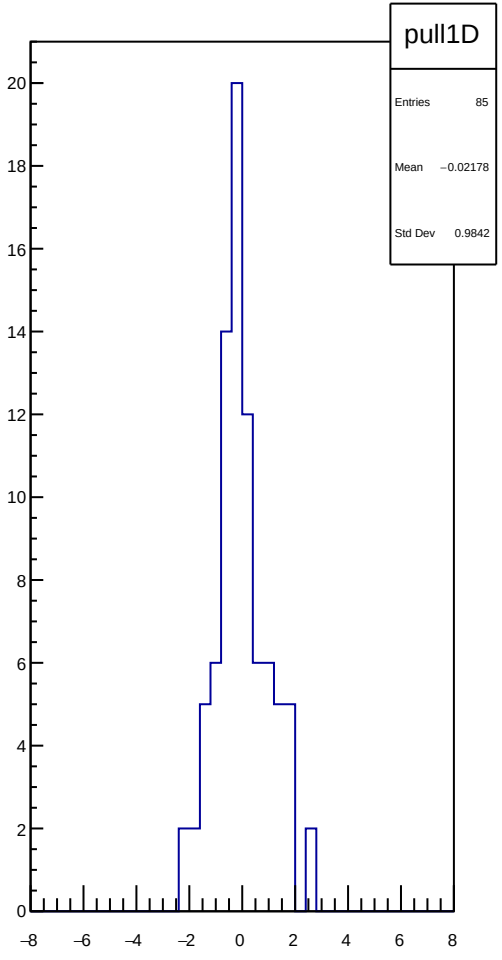

pull1D
Entries 85
Mean 0.01387
Std Dev 0.7185

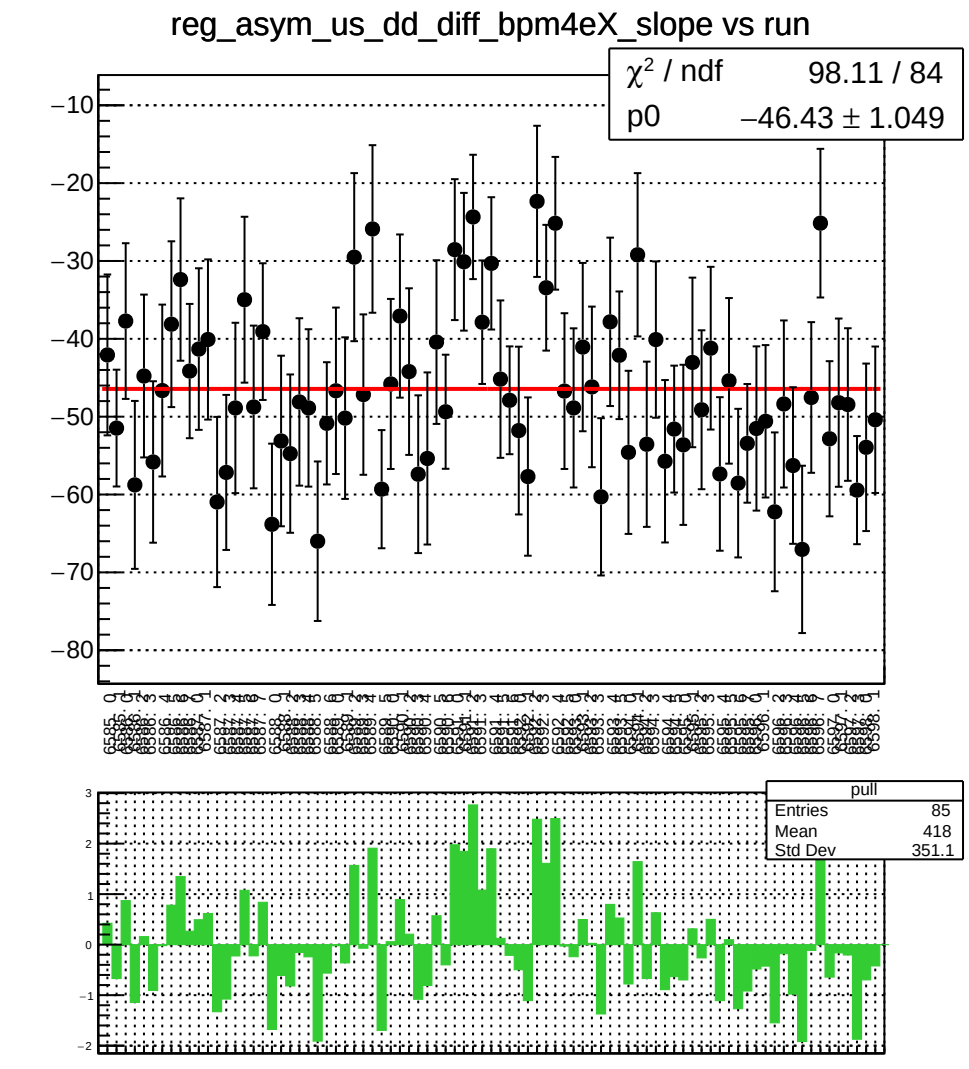

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 218.4 / 84
p0 −52.01 ± 0.07539
−50
−52
−54
−56
−58
pull
Entries 85
Mean 32.09
Std Dev 41.8
2
0
−2
−4
−6
pull1D
Entries 85
Mean −0.02772
Std Dev 1.603
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

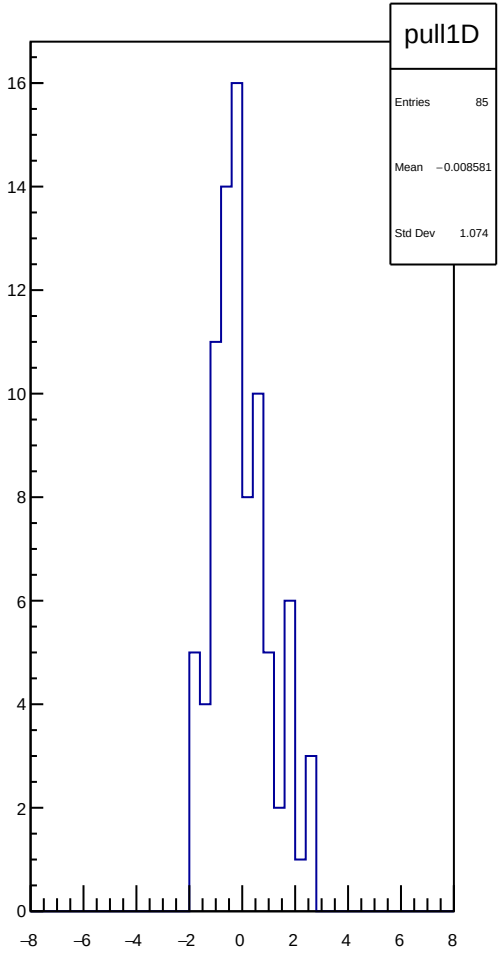

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 96.1 / 84
p0 −11.33 ± 0.9867
pull
Entries 85
Mean 552.4
Std Dev 487.9

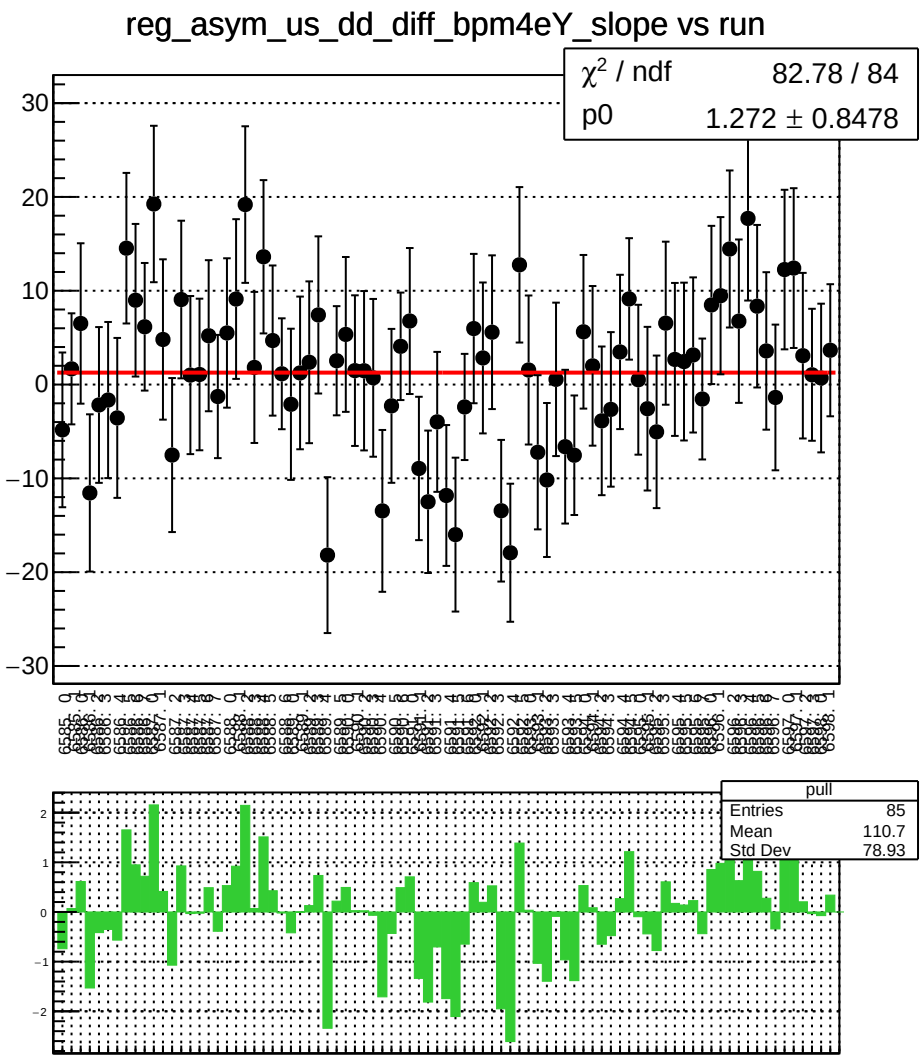

pull1D
Entries 85
Mean 0.006367
Std Dev 1.063

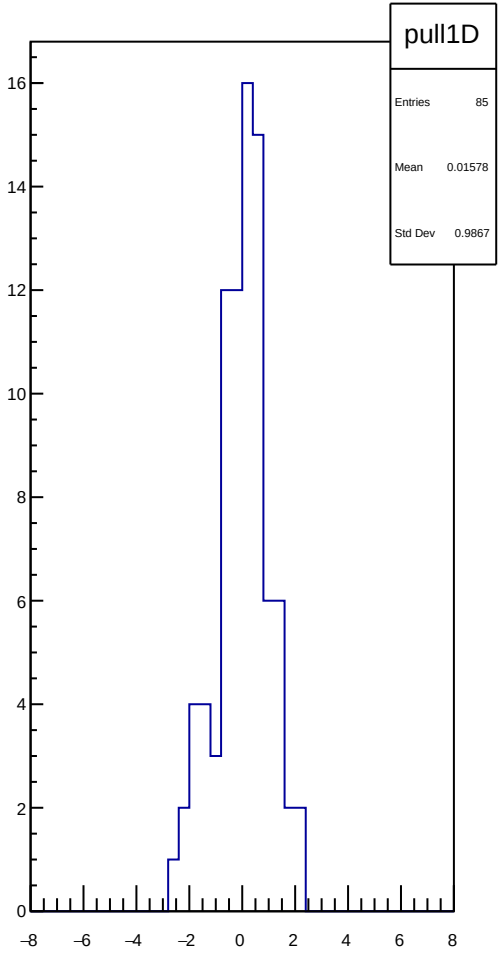

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 82.38 / 84
p0 1.422 ± 0.7064
pull
Entries 85
Mean 124.1
Std Dev 2.008

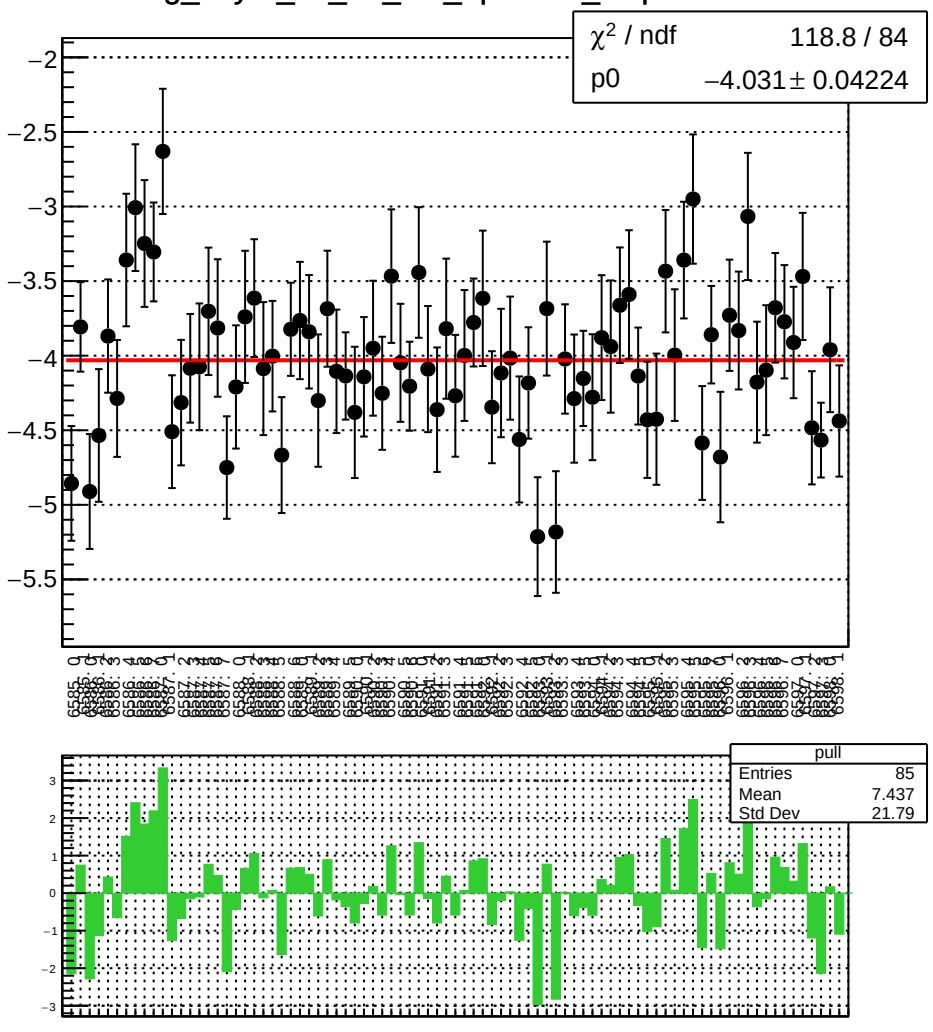

pull1D
Entries 85
Mean −0.02178
Std Dev 0.9842

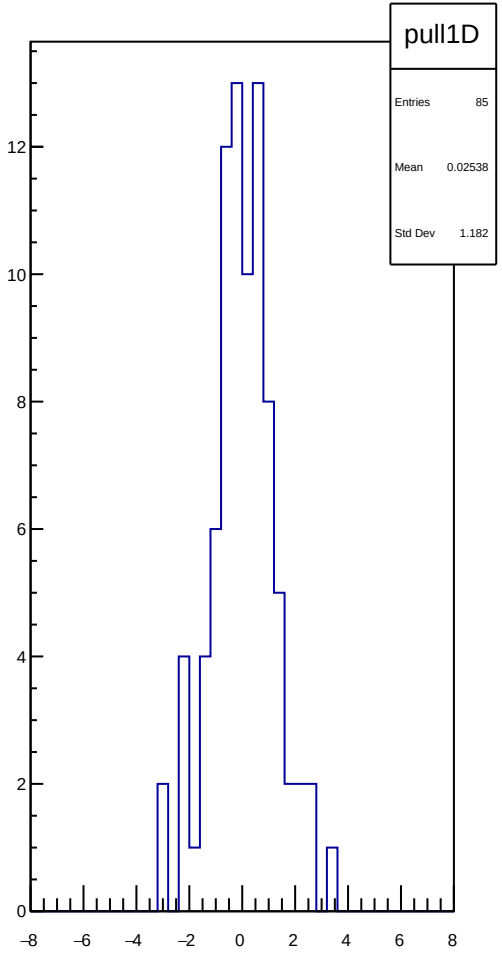

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 98.11 / 84
p0 −46.43 ± 1.049
pull
Entries 85
Mean 418
Std Dev 351.1

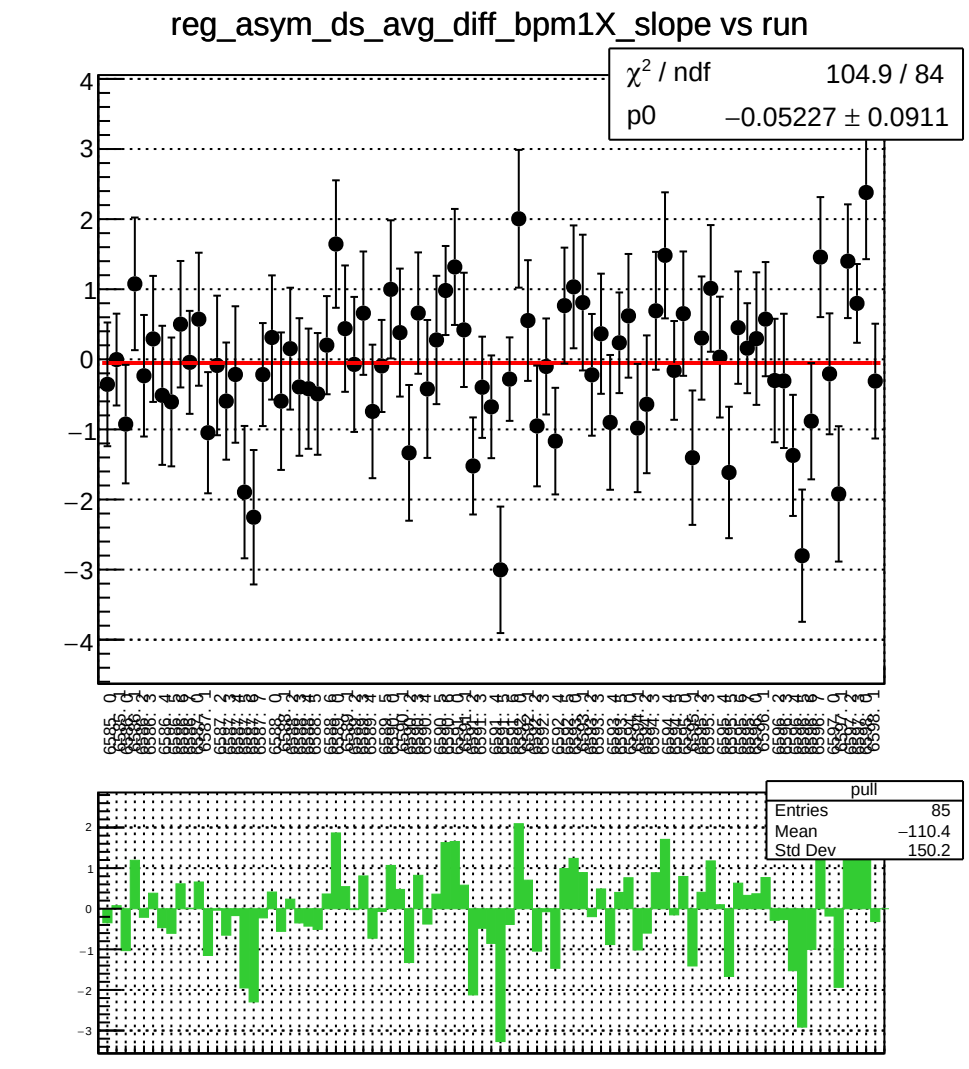

pull1D
Entries 85
Mean −0.008581
Std Dev 1.074

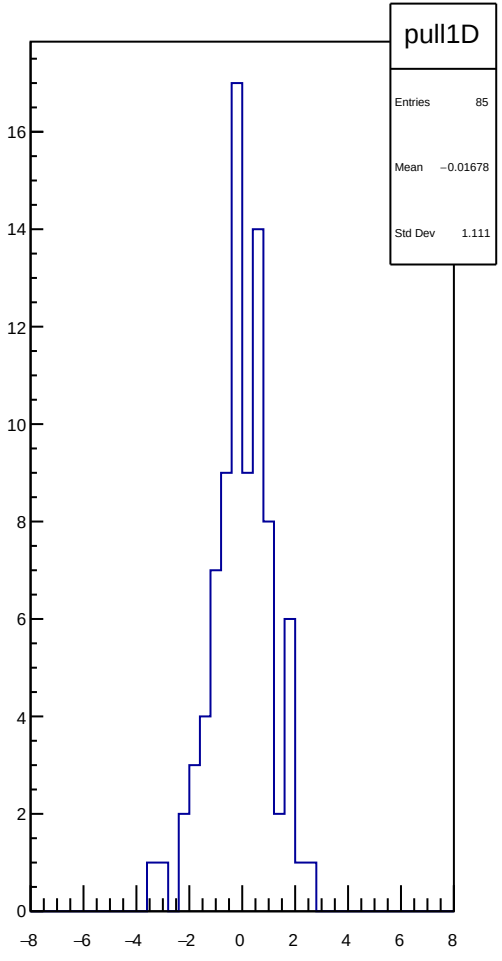

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 82.78 / 84
p0 1.272 ± 0.8478
pull
Entries 85
Mean 110.7
Std Dev 78.93

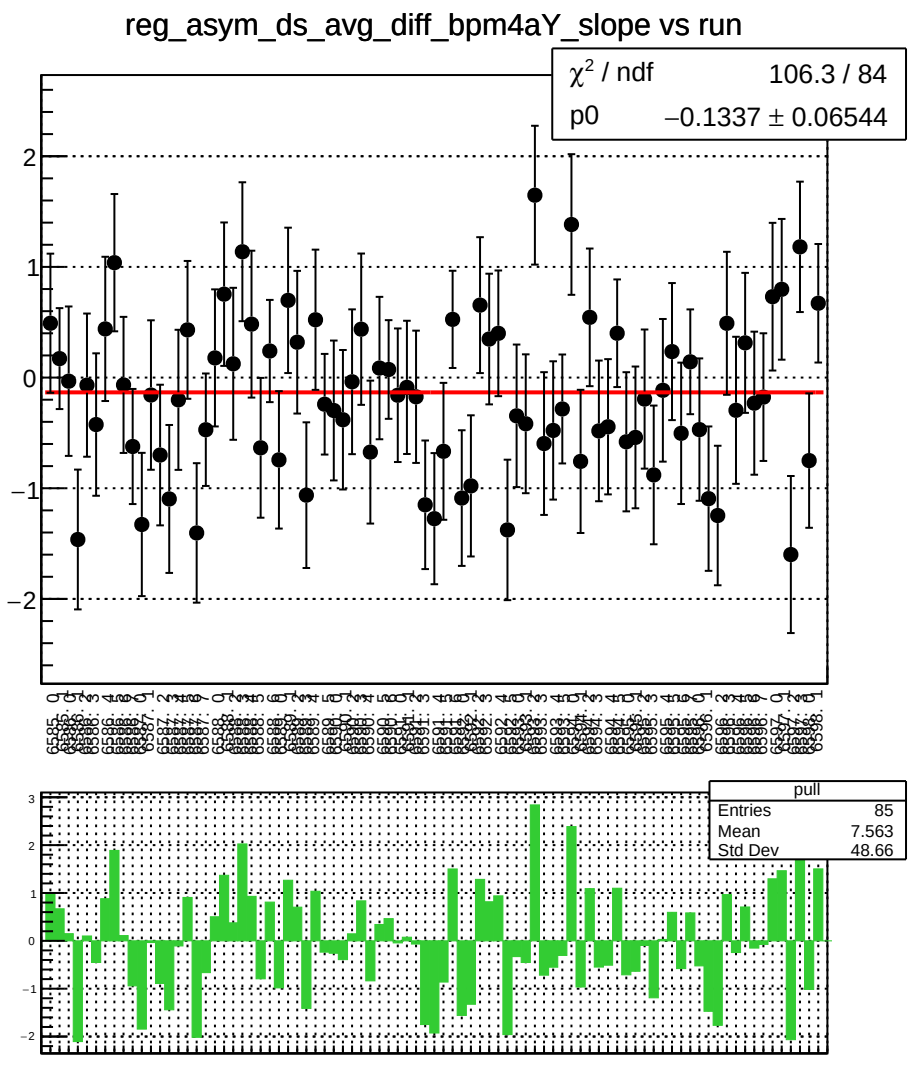

pull1D
Entries 85
Mean 0.01578
Std Dev 0.9867

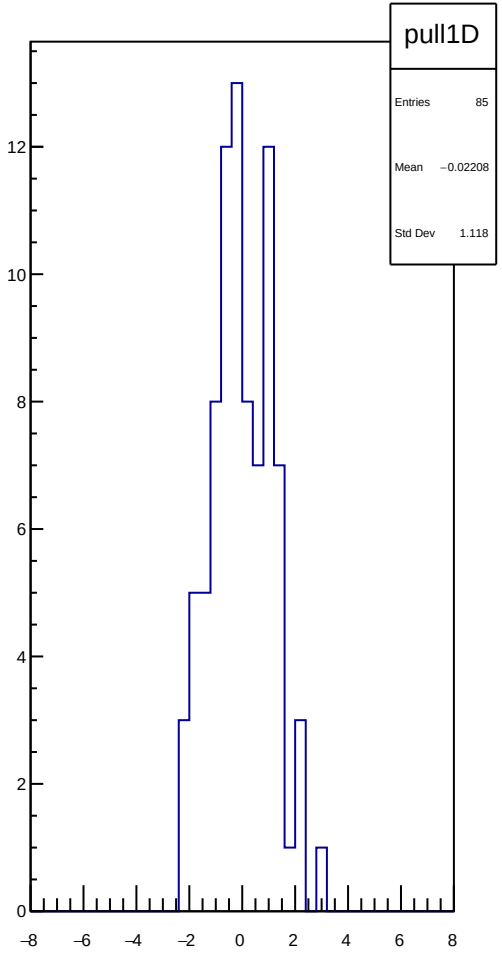

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 118.8 / 84
p0 −4.031 ± 0.04224
pull
Entries 85
Mean 7.437
Std Dev 21.79

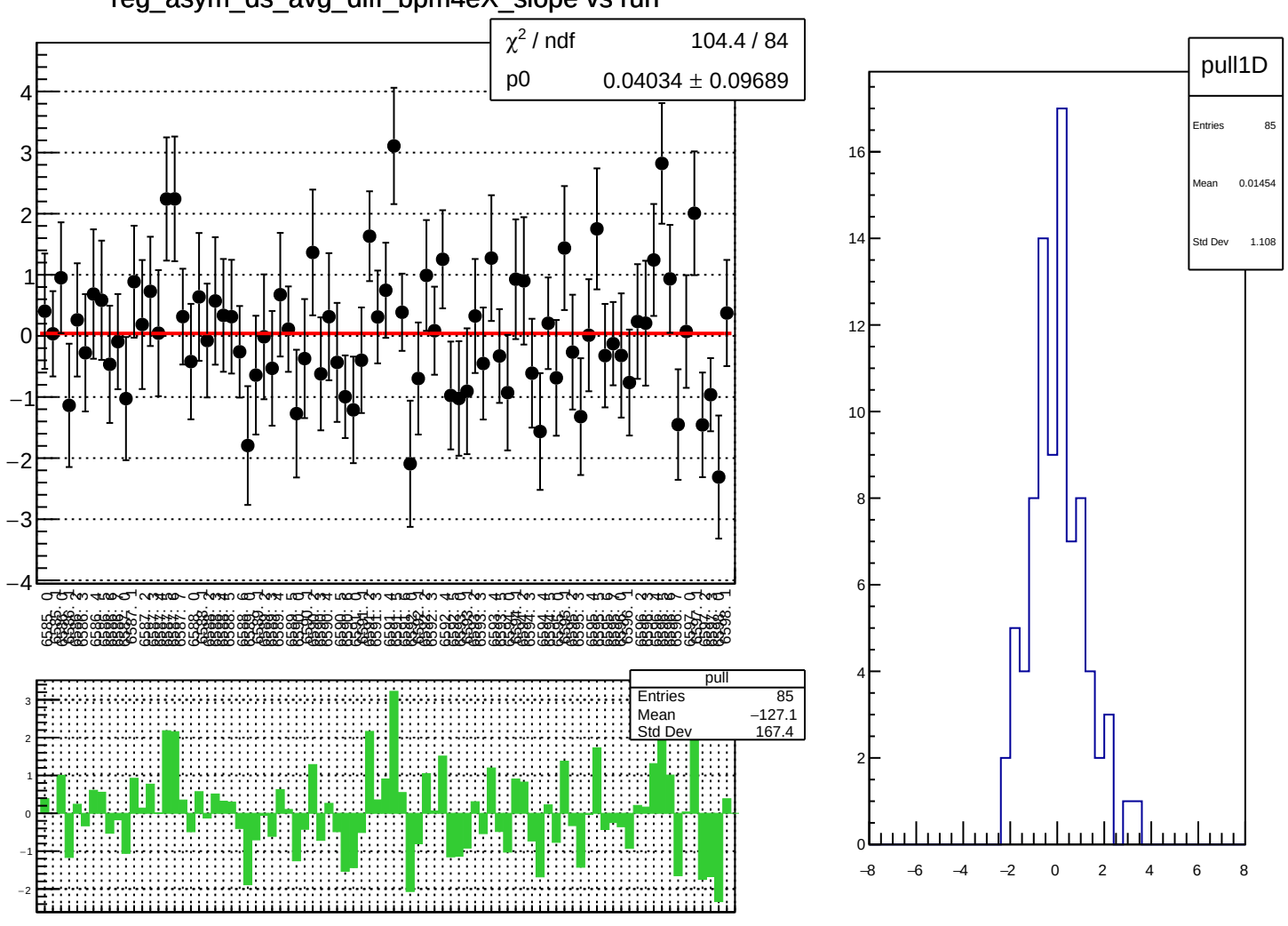

pull1D
Entries 85
Mean 0.02538
Std Dev 1.182

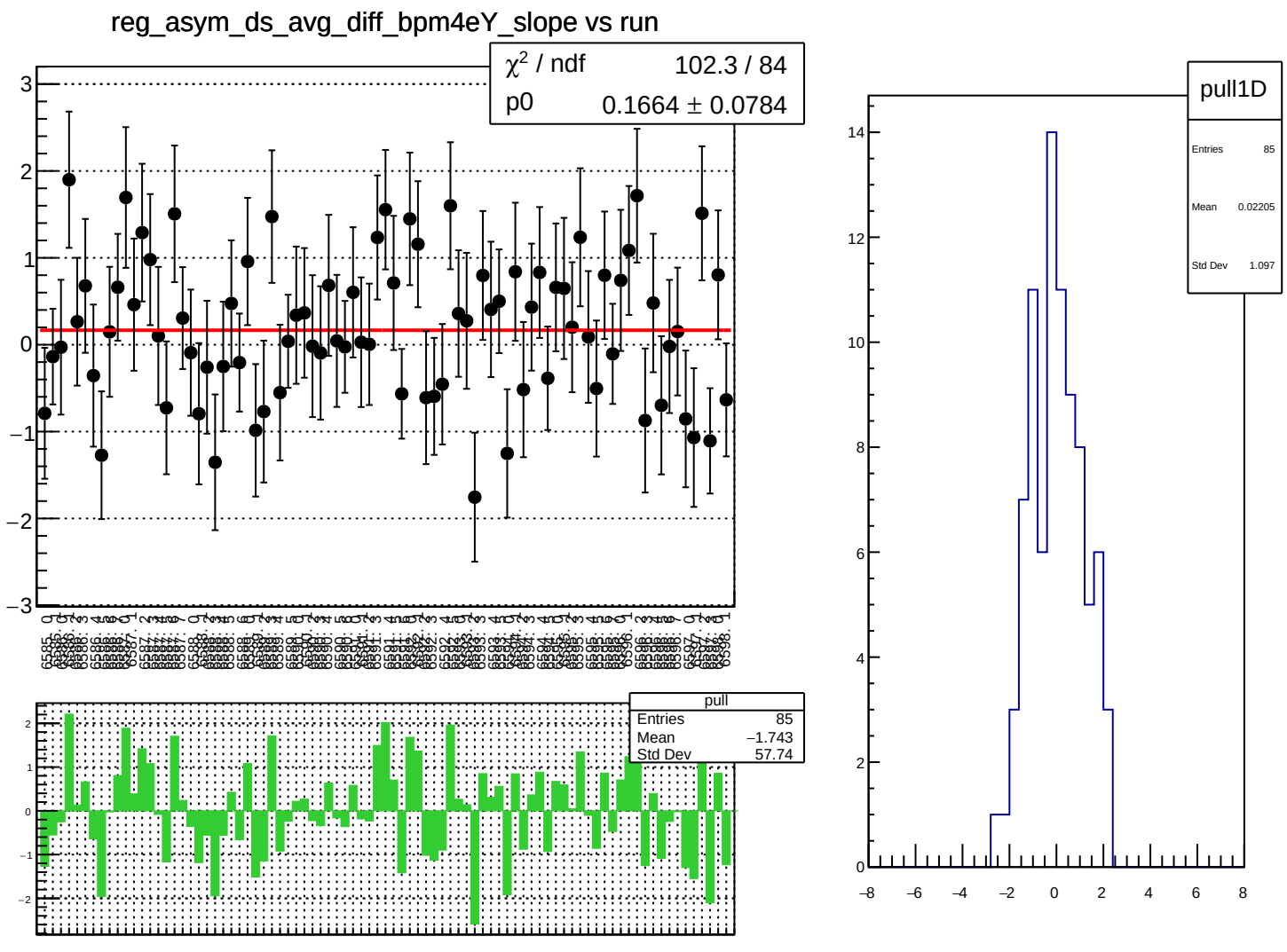

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 104.9 / 84
p0 −0.05227 ± 0.0911
pull
Entries 85
Mean −110.4
Std Dev 150.2

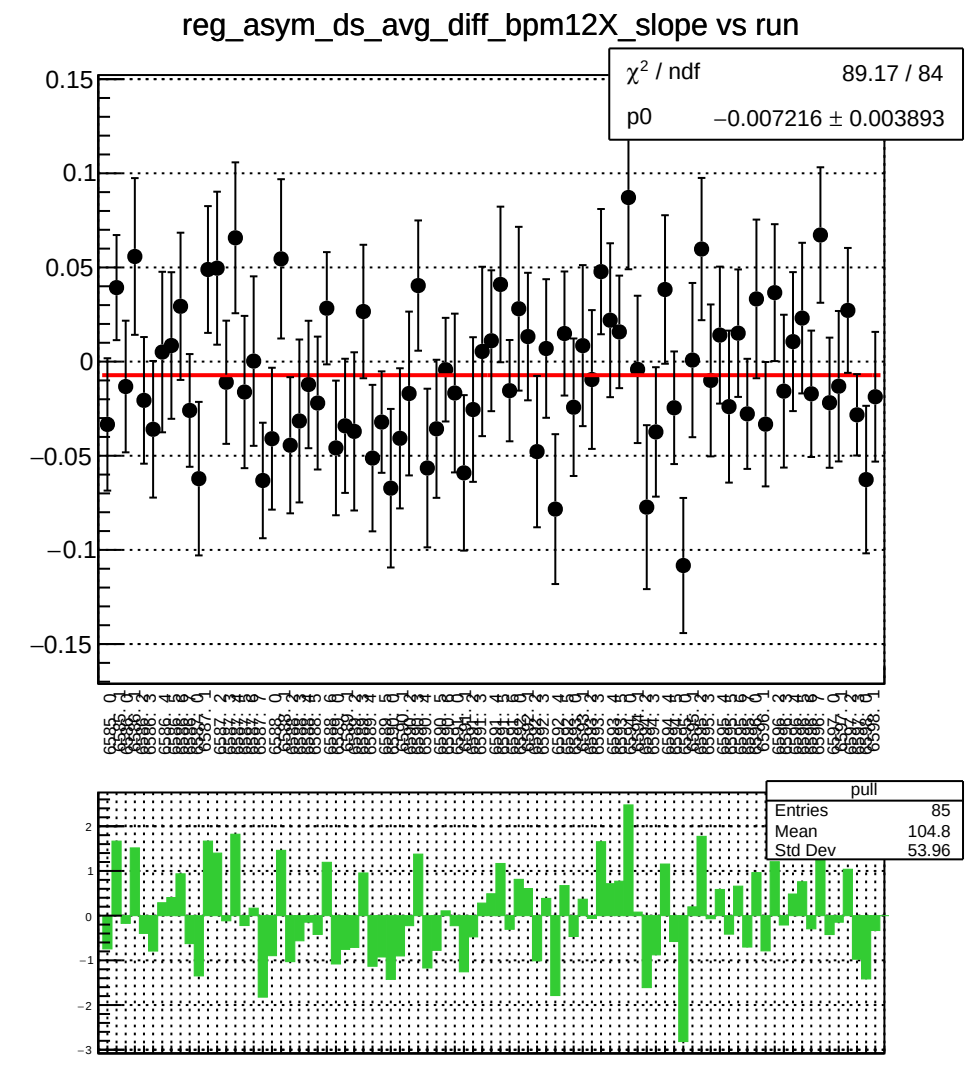

pull1D
Entries 85
Mean −0.01678
Std Dev 1.111

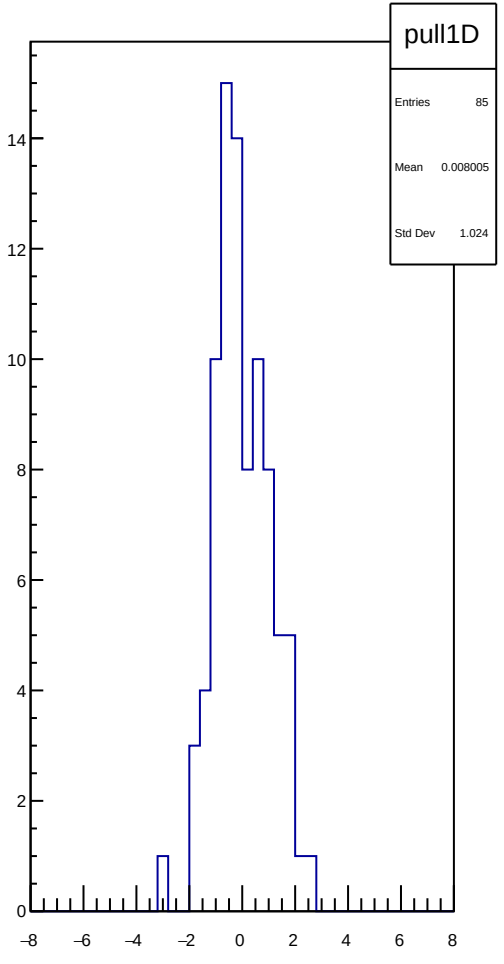

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 106.3 / 84
p0 −0.1337 ± 0.06544
pull
Entries 85
Mean 7.563
Std Dev 48.66

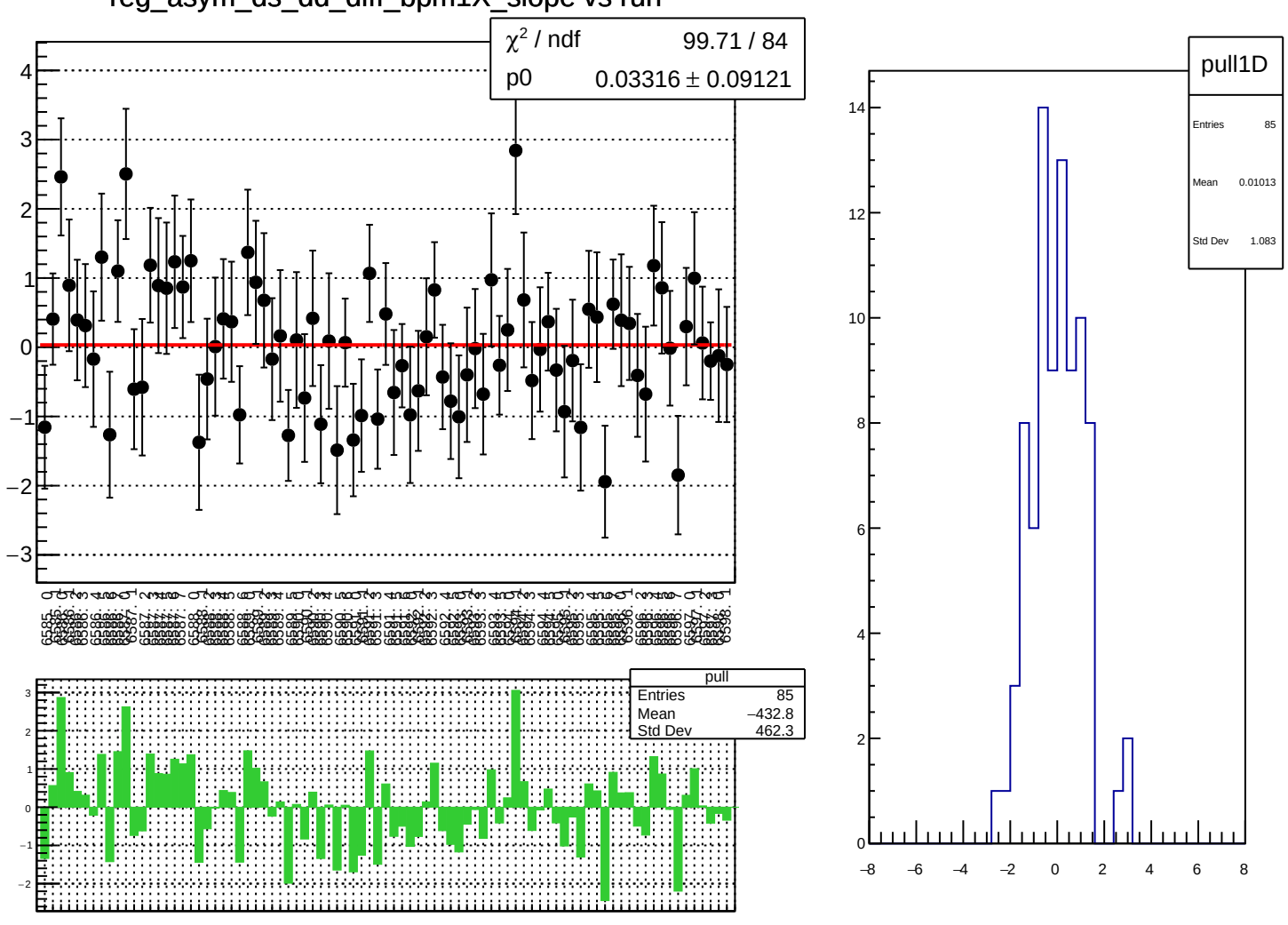

pull1D
Entries 85
Mean −0.02208
Std Dev 1.118

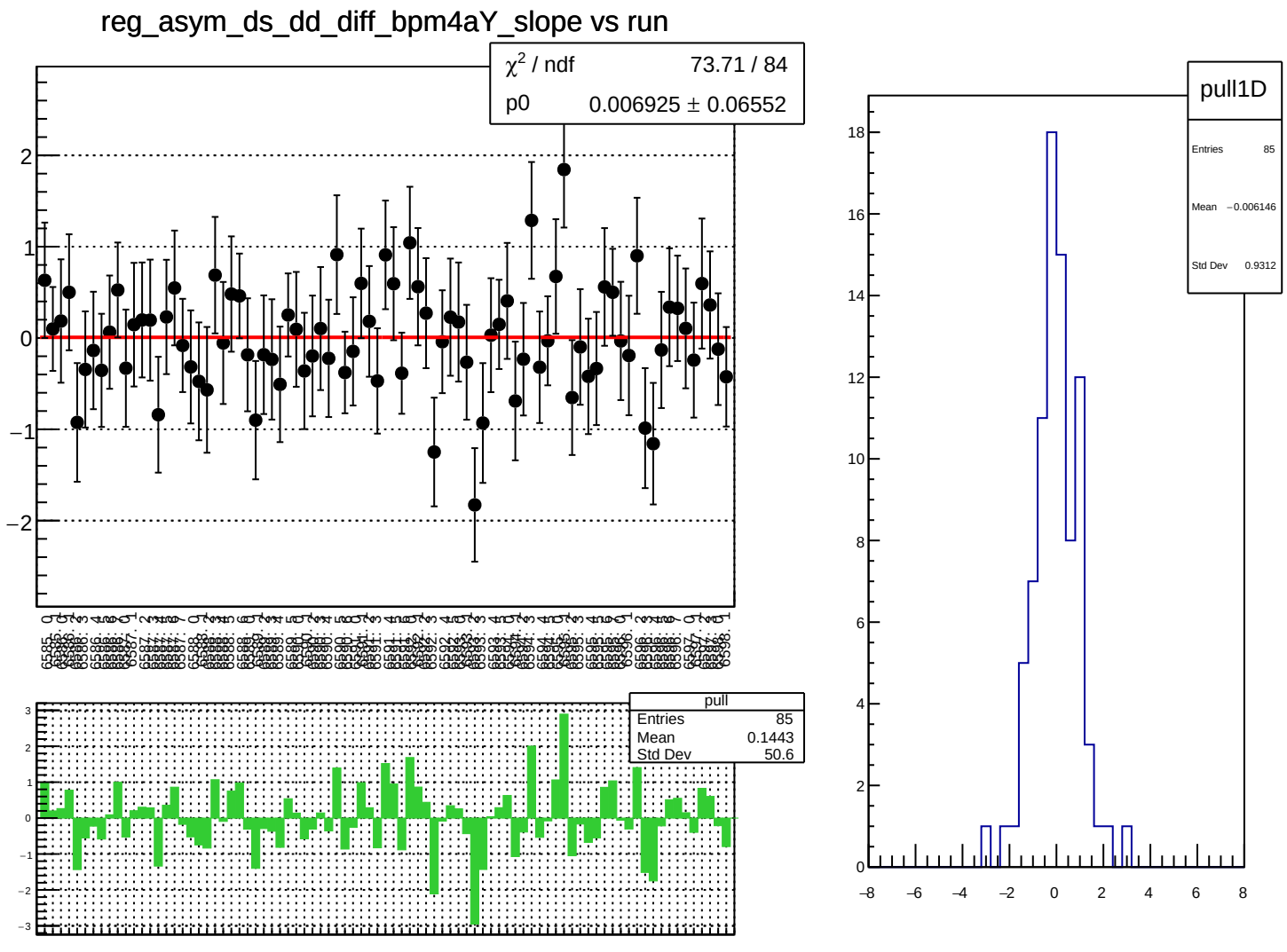

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 104.4 / 84
p0 0.04034 ± 0.09689
pull
Entries 85
Mean −127.1
Std Dev 167.4
pull1D
Entries 85
Mean 0.01454
Std Dev 1.108

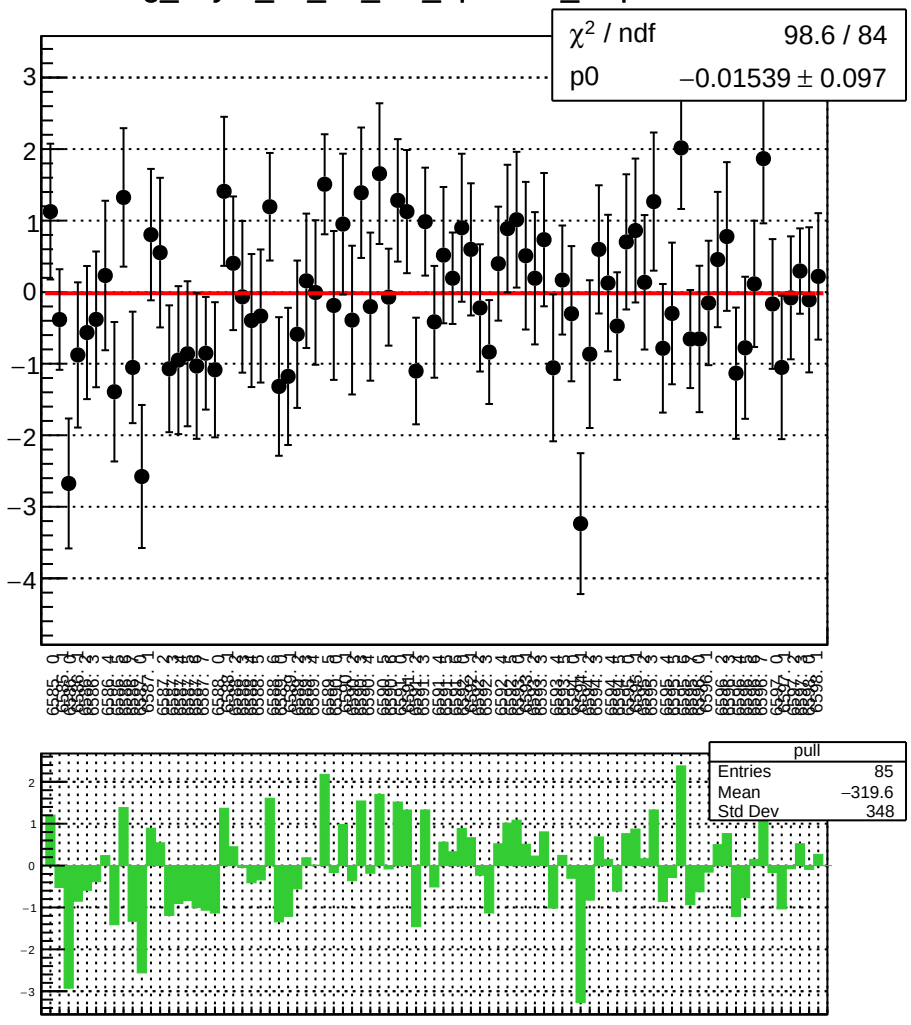

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 102.3 / 84
p0 0.1664 ± 0.0784
pull
Entries 85
Mean −1.743
Std Dev 57.74
pull1D
Entries 85
Mean 0.02205
Std Dev 1.097

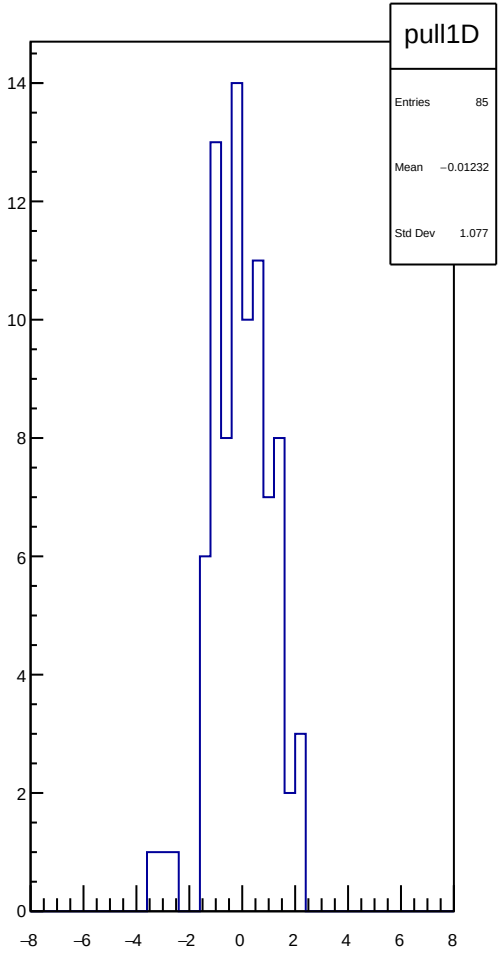

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 89.17 / 84
p0 −0.007216 ± 0.003893
pull
Entries 85
Mean 104.8
Std Dev 53.96

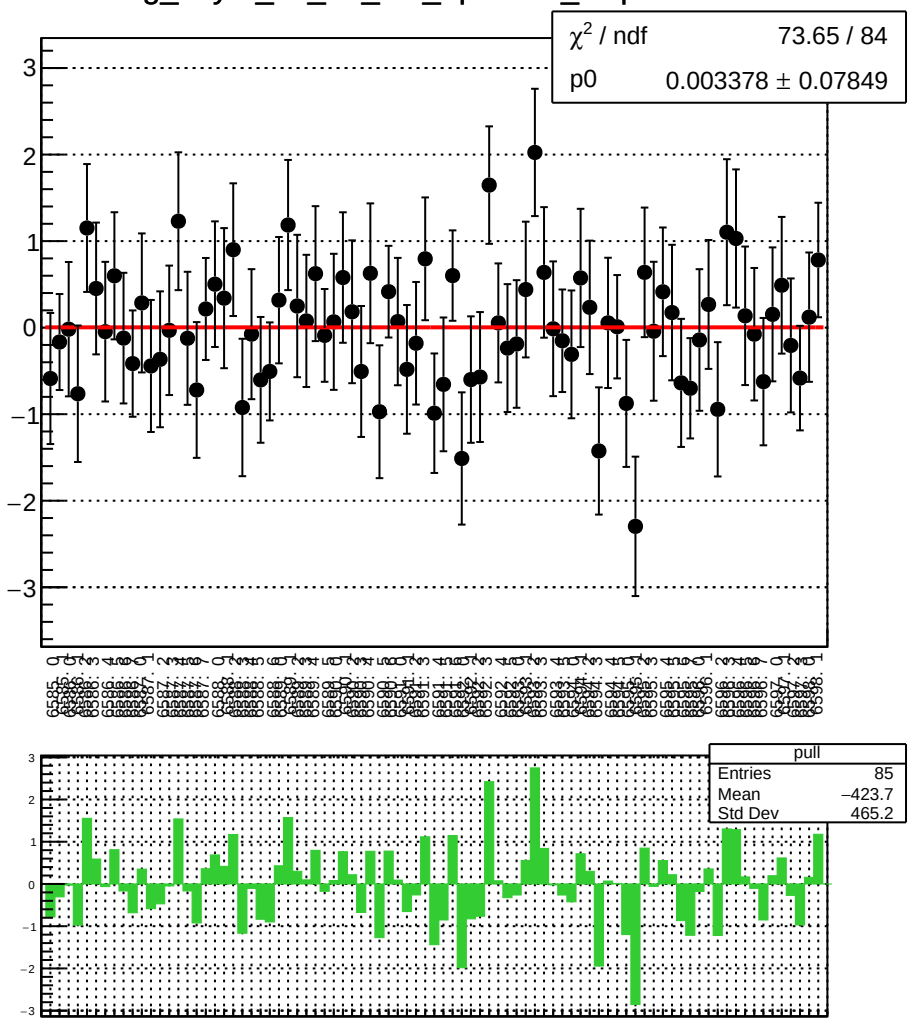

pull1D
Entries 85
Mean 0.008005
Std Dev 1.024

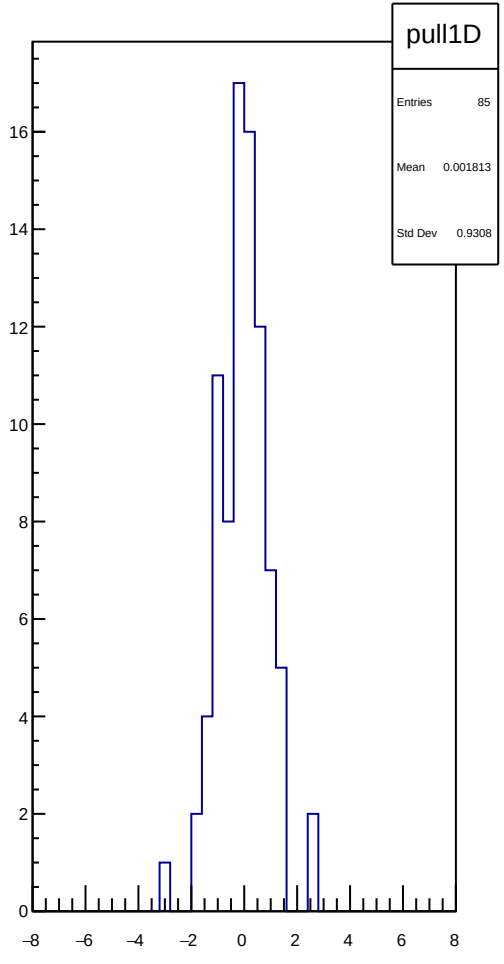

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 99.71 / 84
p0 0.03316 ± 0.09121
pull
Entries 85
Mean −432.8
Std Dev 462.3
pull1D
Entries 85
Mean 0.01013
Std Dev 1.083

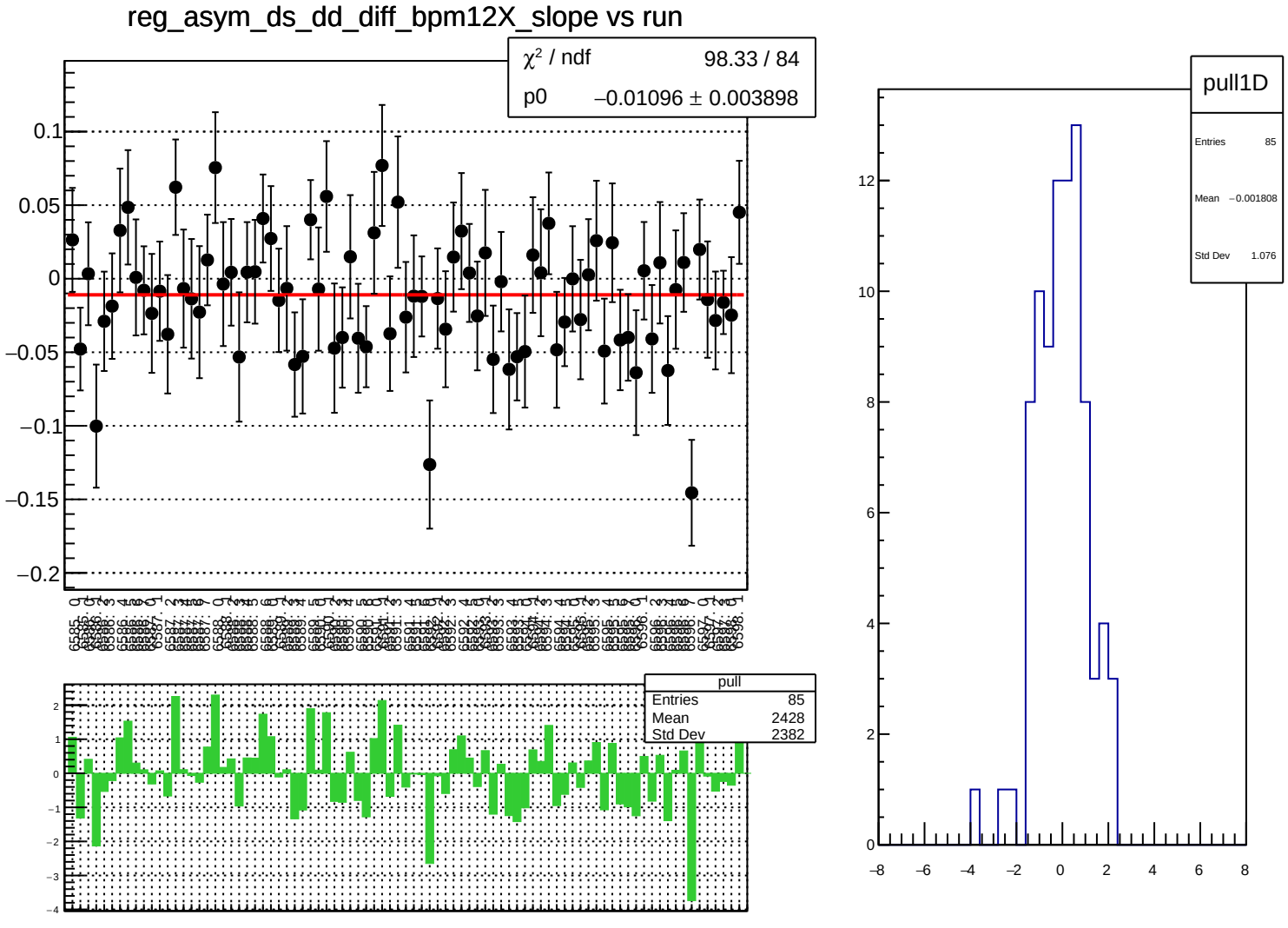

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 73.71 / 84
p0 0.006925 ± 0.06552
pull
Entries 85
Mean 0.1443
Std Dev 50.6
pull1D
Entries 85
Mean −0.006146
Std Dev 0.9312

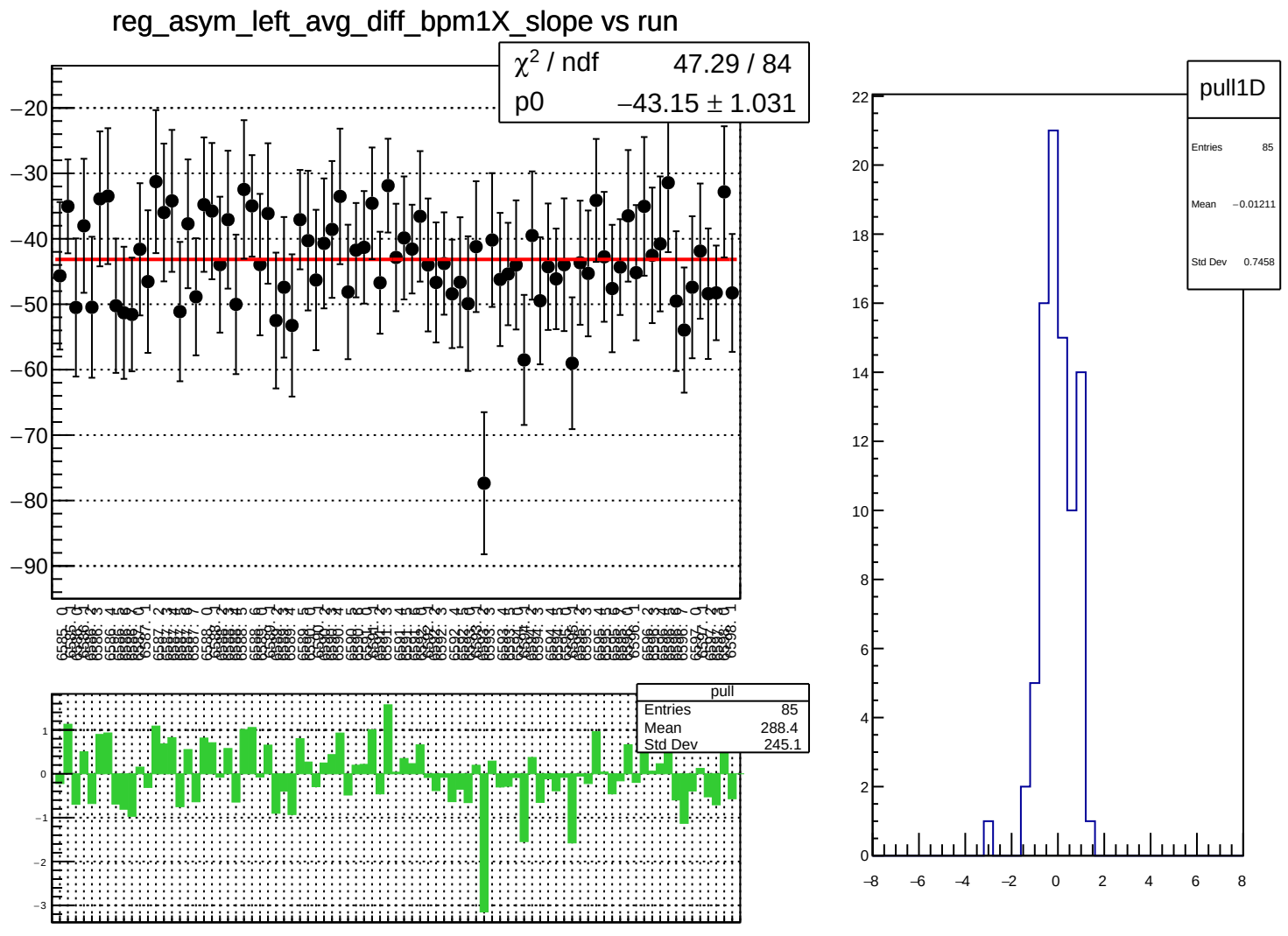

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 98.6 / 84
p0 −0.01539 ± 0.097
pull
Entries 85
Mean −319.6
Std Dev 348

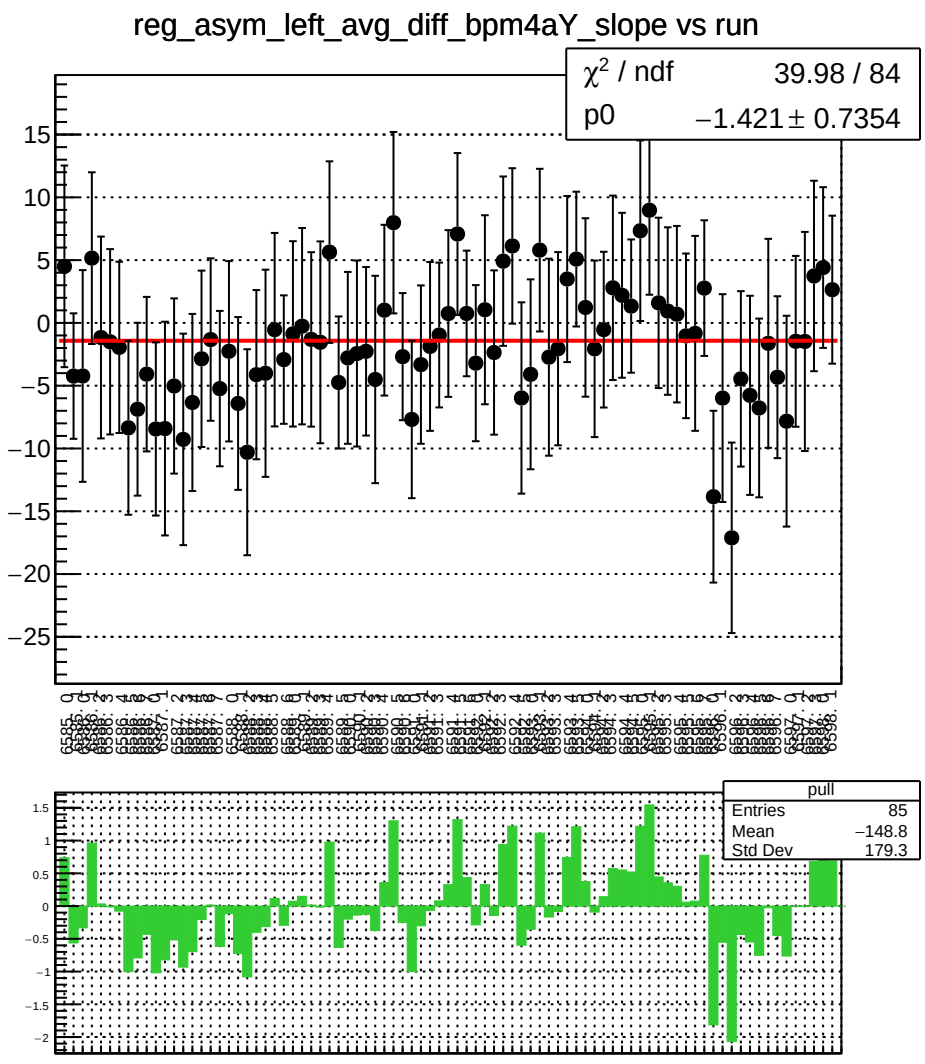

pull1D
Entries 85
Mean −0.01232
Std Dev 1.077

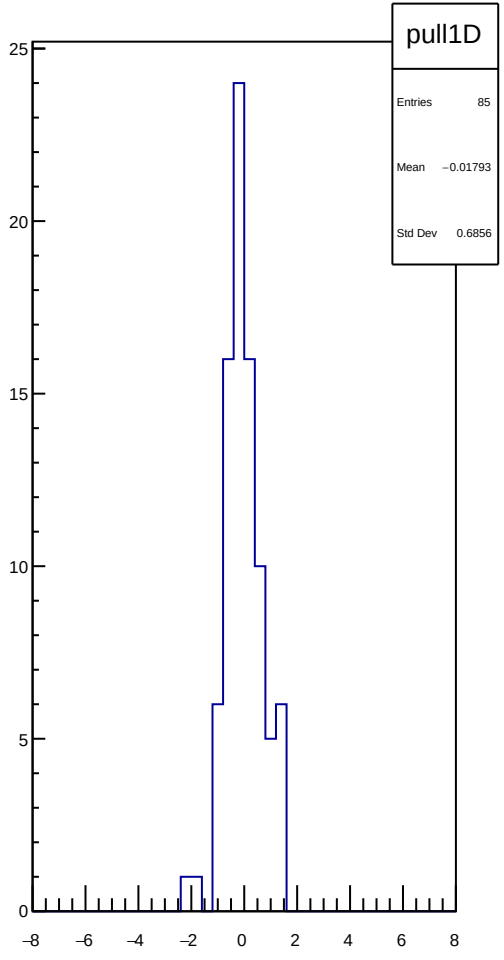

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 73.65 / 84
p0 0.003378 ± 0.07849
pull
Entries 85
Mean −423.7
Std Dev 465.2

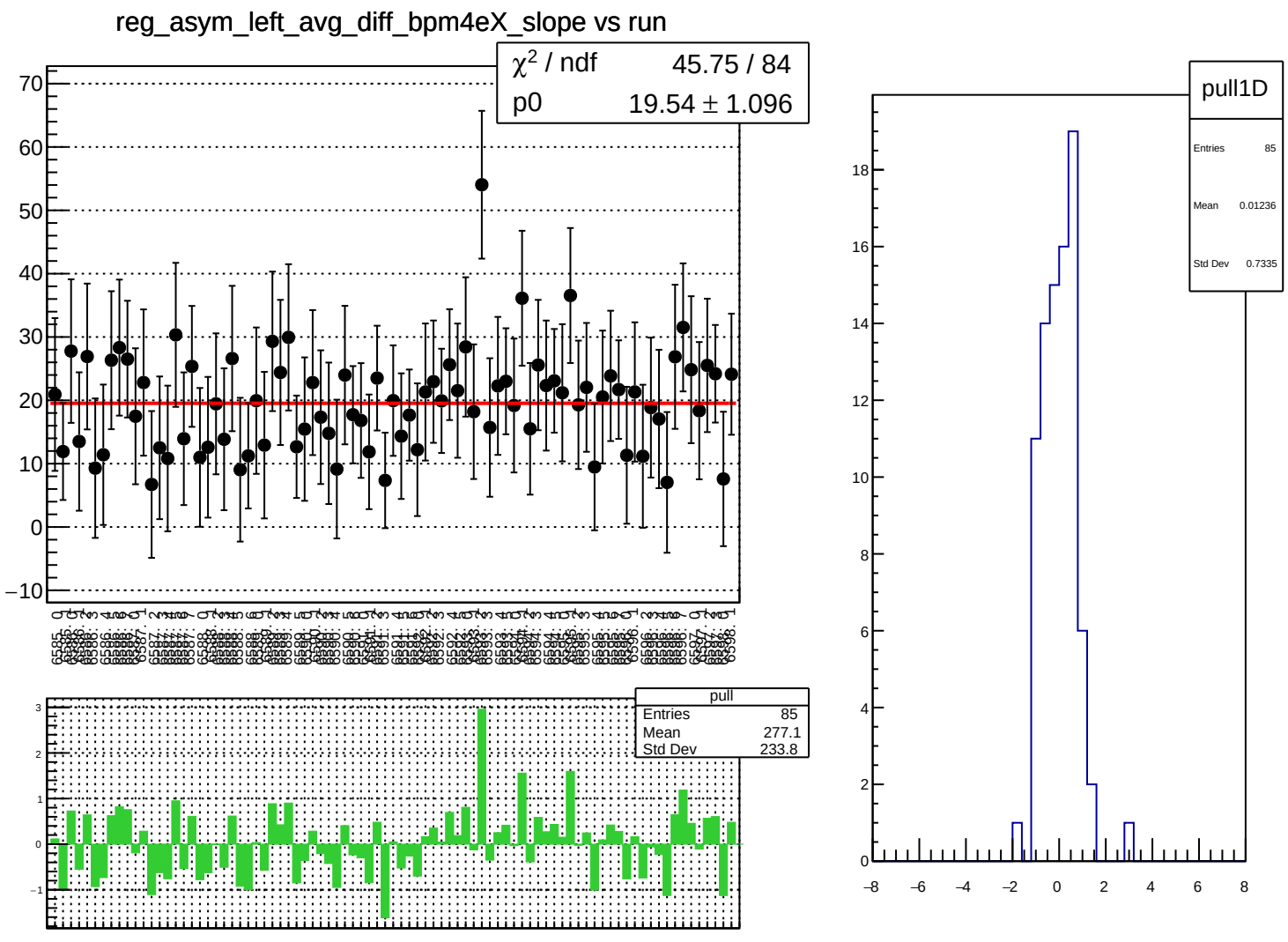

pull1D
Entries 85
Mean 0.001813
Std Dev 0.9308

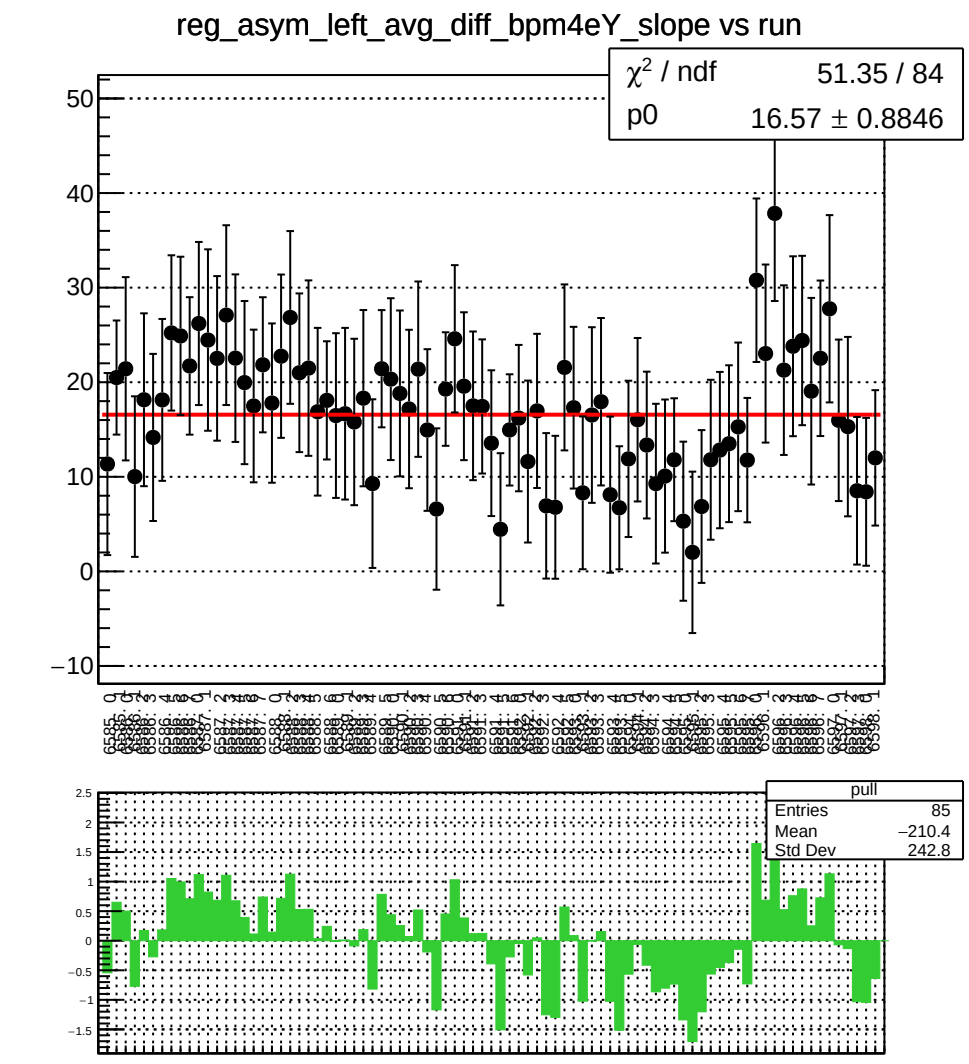

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 98.33 / 84
p0 −0.01096 ± 0.003898
pull
Entries 85
Mean 2428
Std Dev 2382
pull1D
Entries 85
Mean −0.001808
Std Dev 1.076

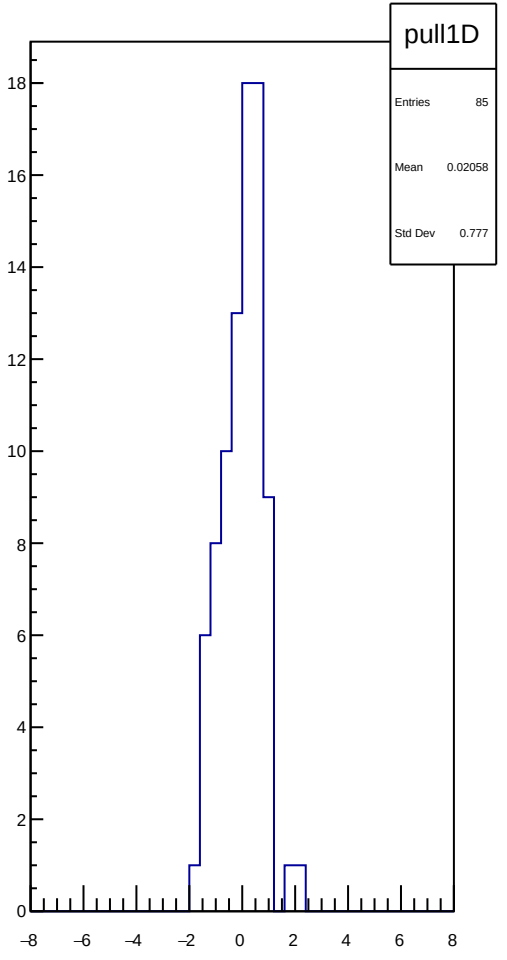

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 47.29 / 84
p0 −43.15 ± 1.031
pull
Entries 85
Mean 288.4
Std Dev 245.1
pull1D
Entries 85
Mean −0.01211
Std Dev 0.7458

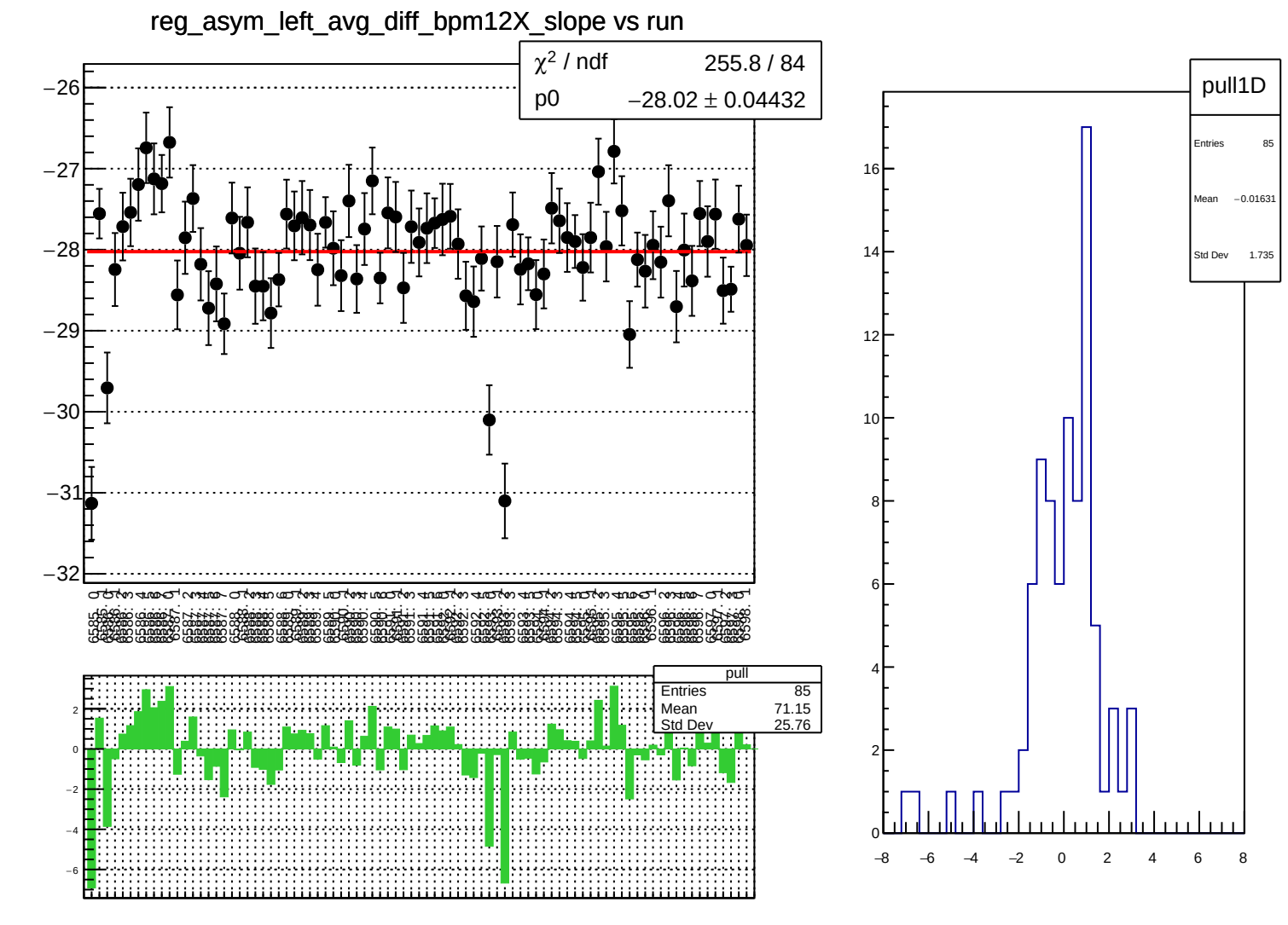

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.98 / 84
p0 −1.421 ± 0.7354
pull
Entries 85
Mean −148.8
Std Dev 179.3

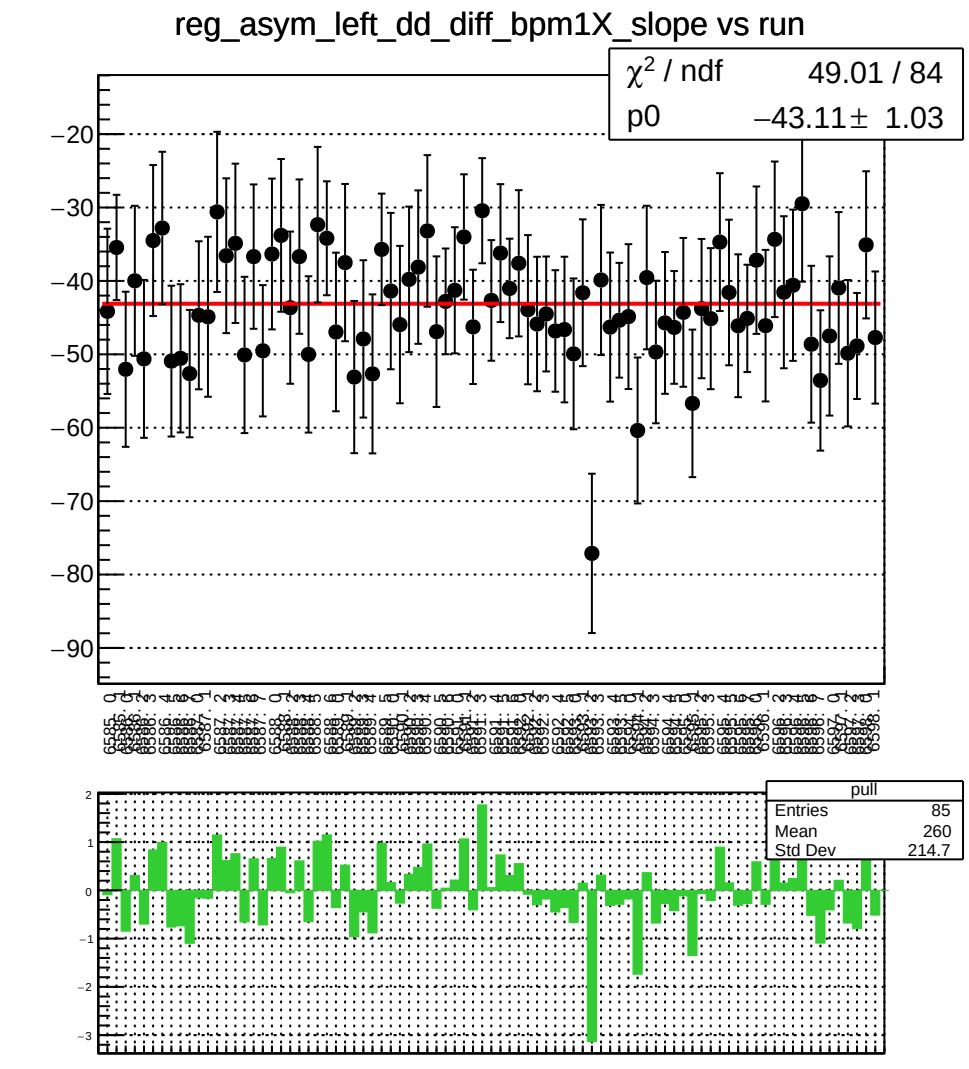

pull1D
Entries 85
Mean −0.01793
Std Dev 0.6856

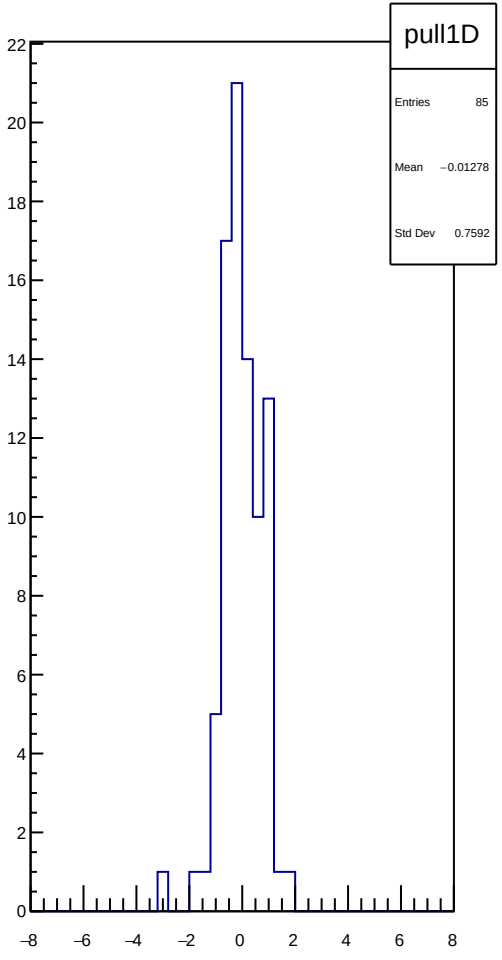

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.75 / 84
p0 19.54 ± 1.096
pull
Entries 85
Mean 277.1
Std Dev 233.8
pull1D
Entries 85
Mean 0.01236
Std Dev 0.7335

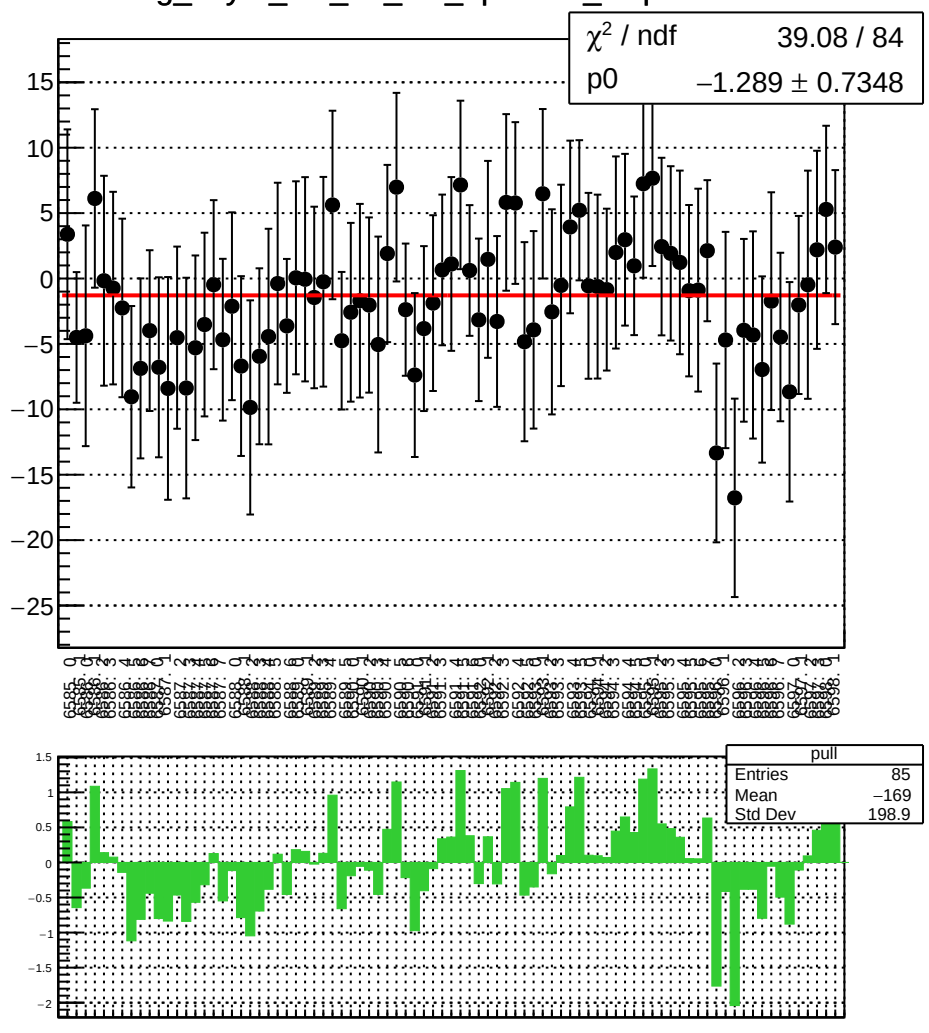

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 51.35 / 84
p0 16.57 ± 0.8846
pull
Entries 85
Mean −210.4
Std Dev 242.8

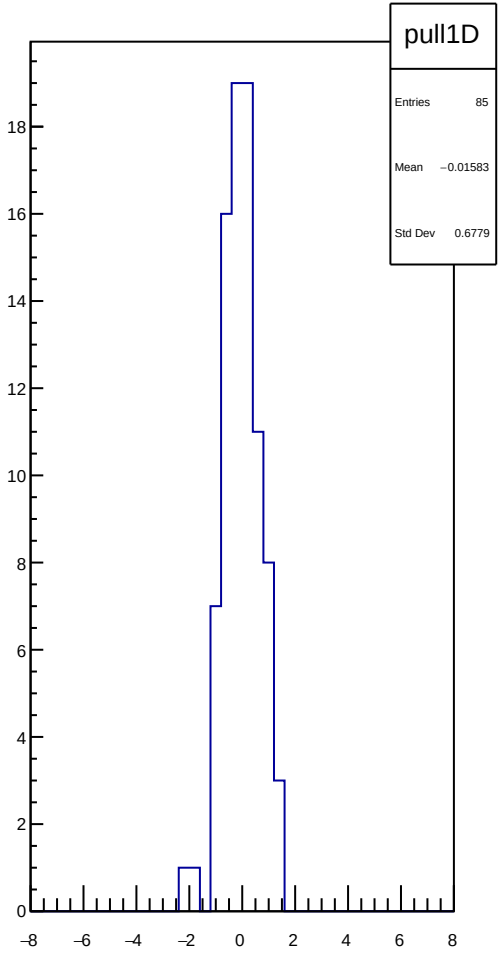

pull1D
Entries 85
Mean 0.02058
Std Dev 0.777

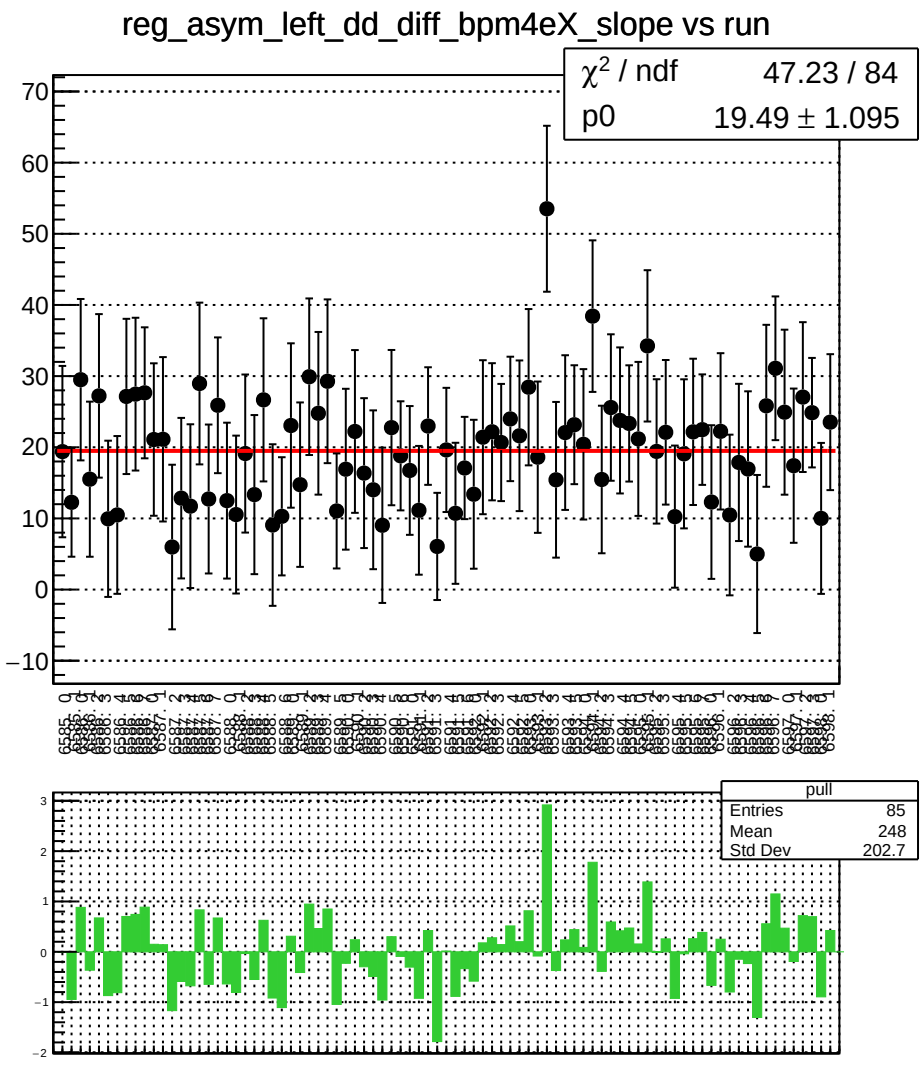

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 255.8 / 84
p0 −28.02 ± 0.04432
pull
Entries 85
Mean 71.15
Std Dev 25.76
pull1D
Entries 85
Mean −0.01631
Std Dev 1.735

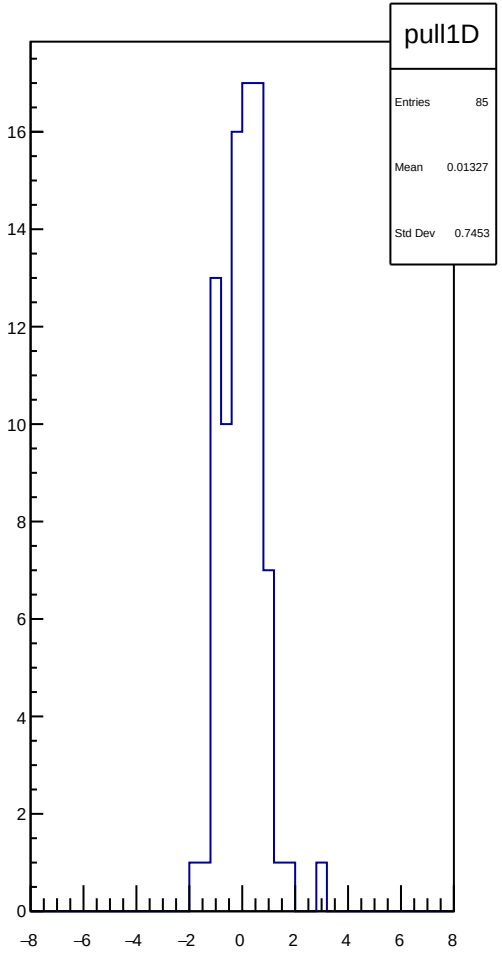

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 49.01 / 84
p0 −43.11 ± 1.03
pull
Entries 85
Mean 260
Std Dev 214.7

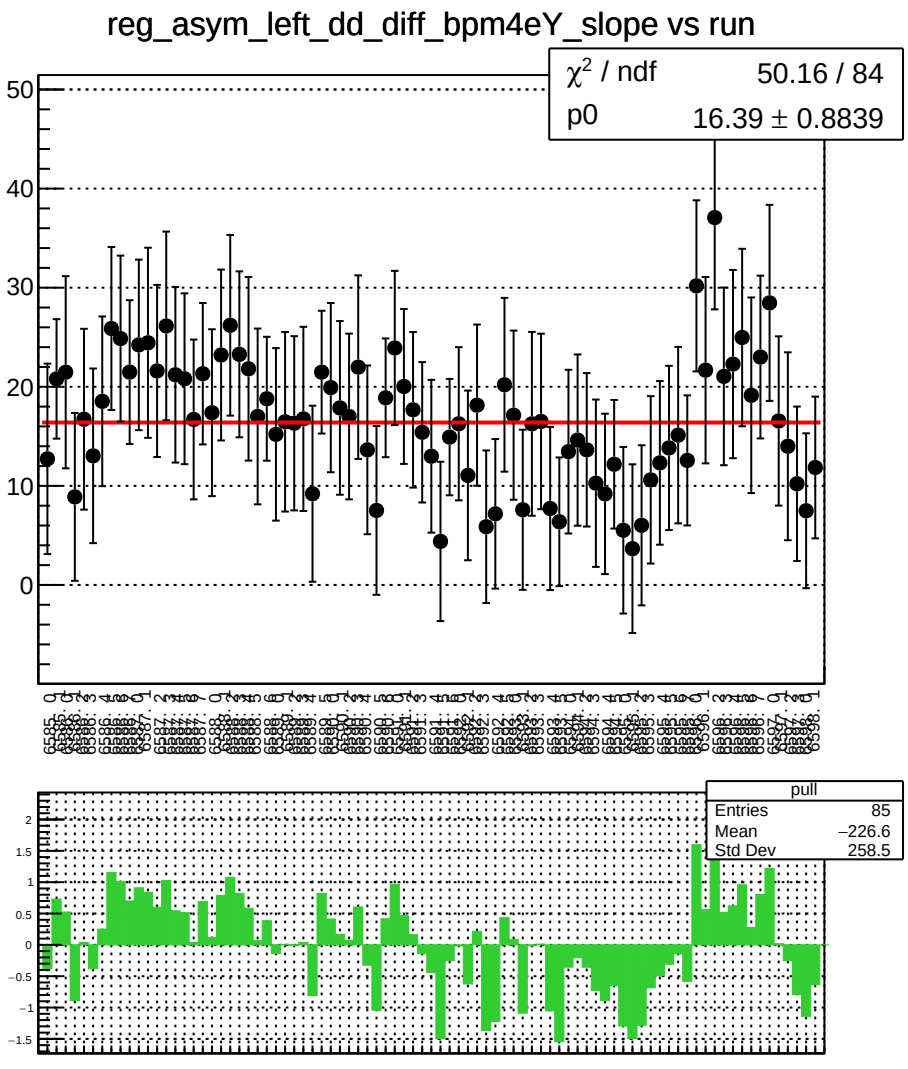

pull1D
Entries 85
Mean −0.01278
Std Dev 0.7592

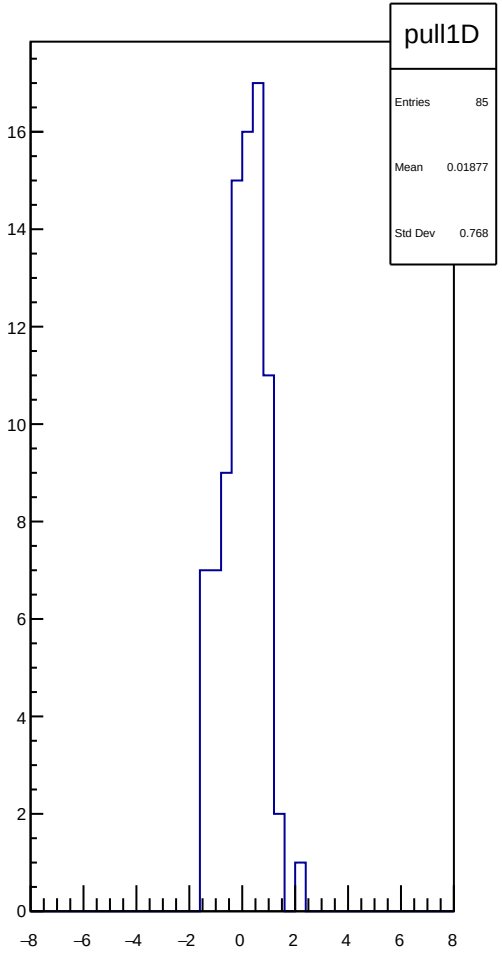

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.08 / 84
p0 −1.289 ± 0.7348
pull
Entries 85
Mean −169
Std Dev 198.9

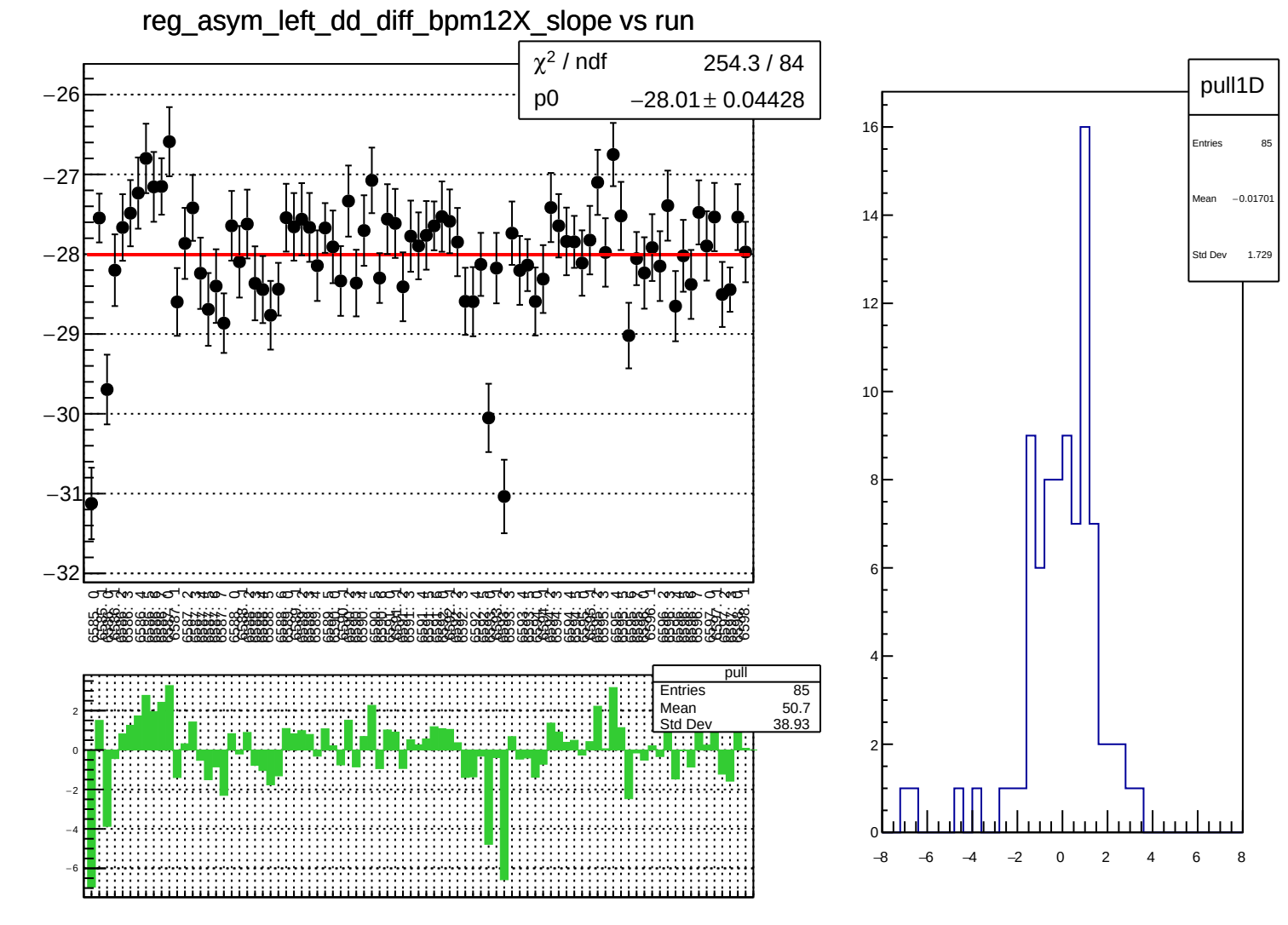

pull1D
Entries 85
Mean −0.01583
Std Dev 0.6779

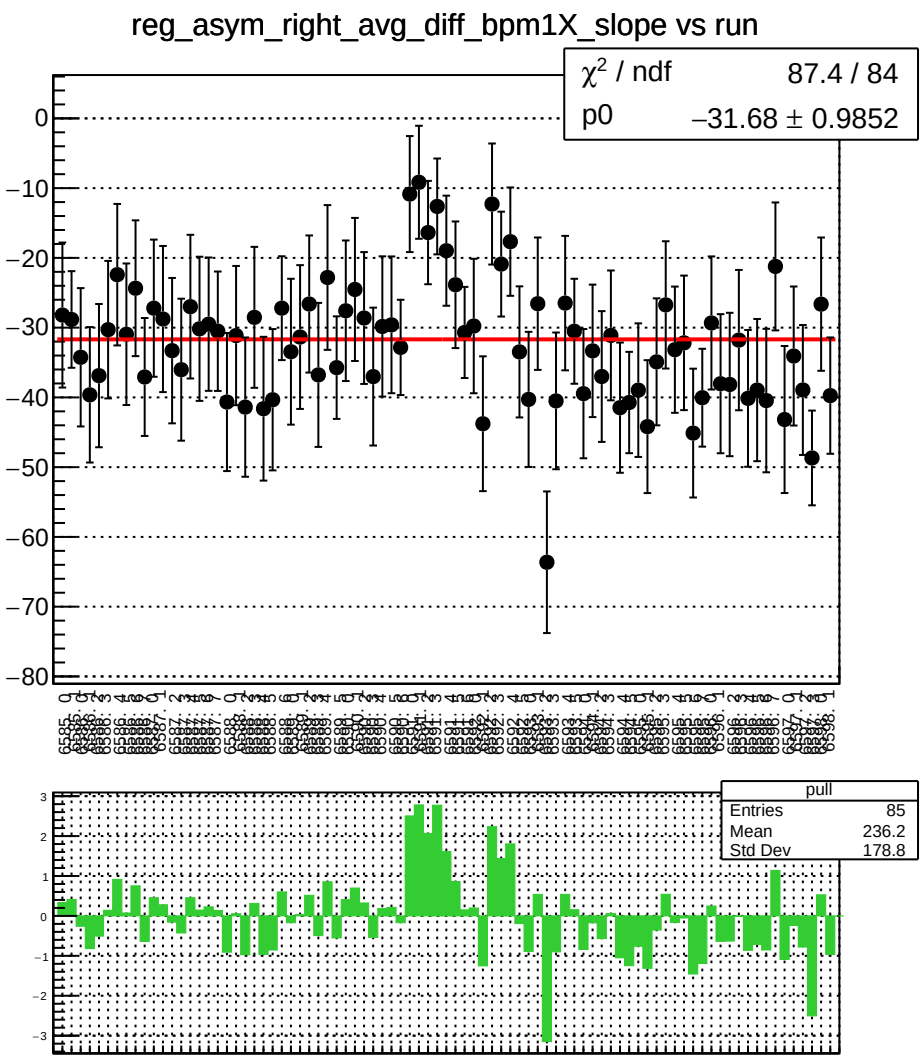

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 47.23 / 84
p0 19.49 ± 1.095
pull
Entries 85
Mean 248
Std Dev 202.7

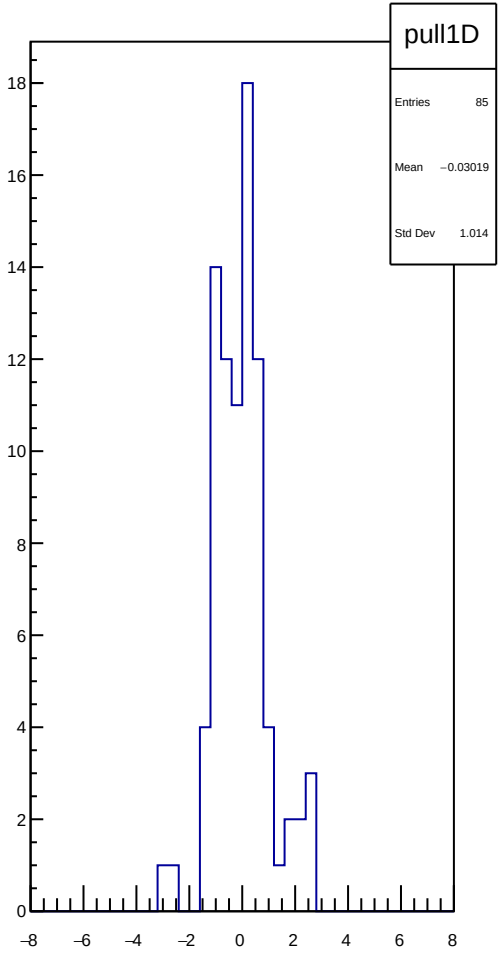

pull1D
Entries 85
Mean 0.01327
Std Dev 0.7453

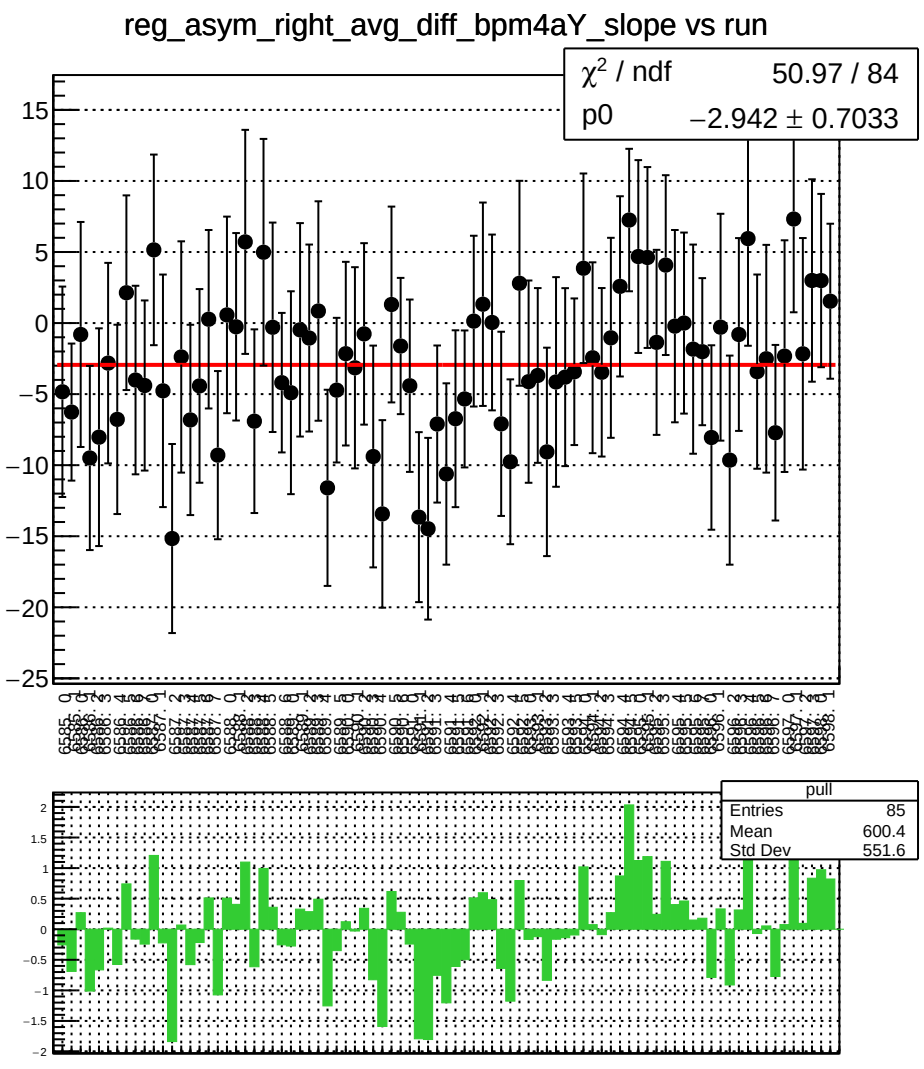

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.16 / 84
p0 16.39 ± 0.8839
pull
Entries 85
Mean −226.6
Std Dev 258.5

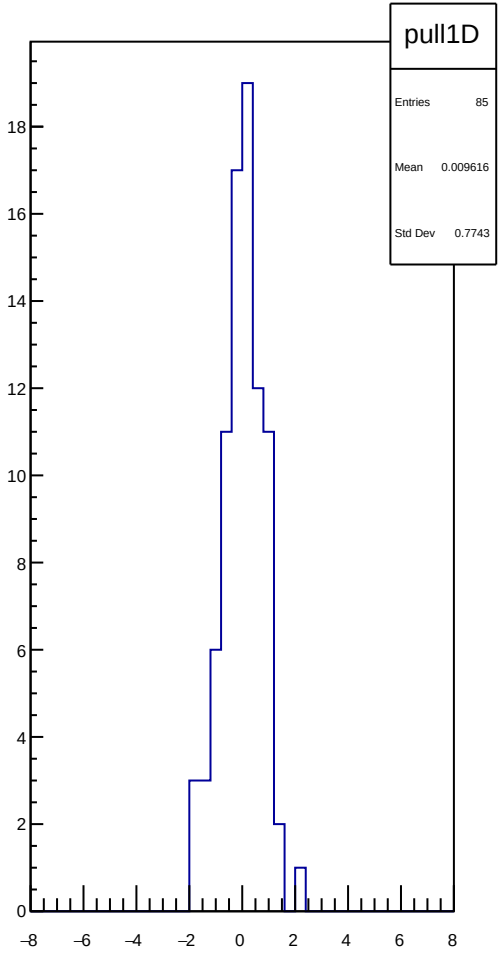

pull1D
Entries 85
Mean 0.01877
Std Dev 0.768

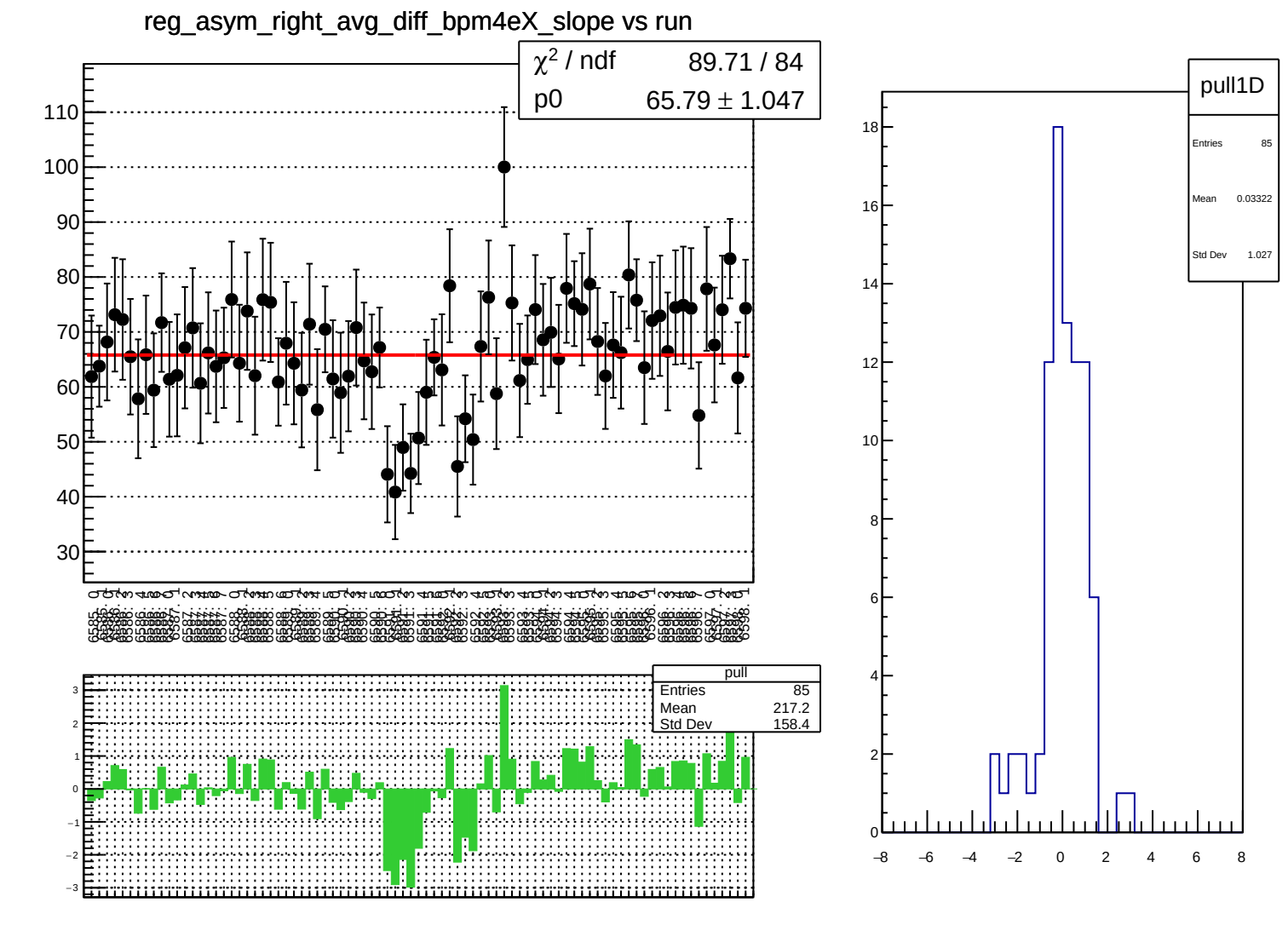

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 254.3 / 84
p0 −28.01 ± 0.04428
pull
Entries 85
Mean 50.7
Std Dev 38.93
pull1D
Entries 85
Mean −0.01701
Std Dev 1.729

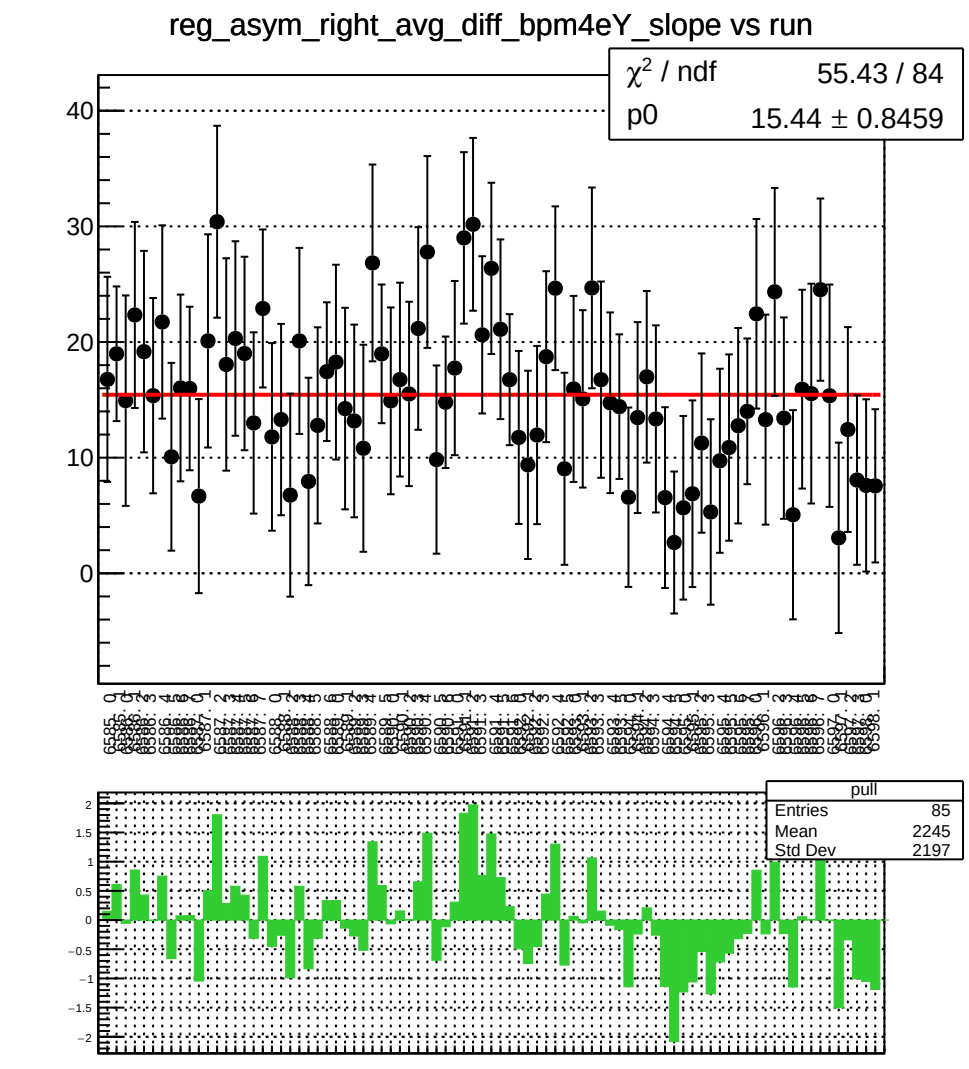

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 87.4 / 84
p0 −31.68 ± 0.9852
pull
Entries 85
Mean 236.2
Std Dev 178.8

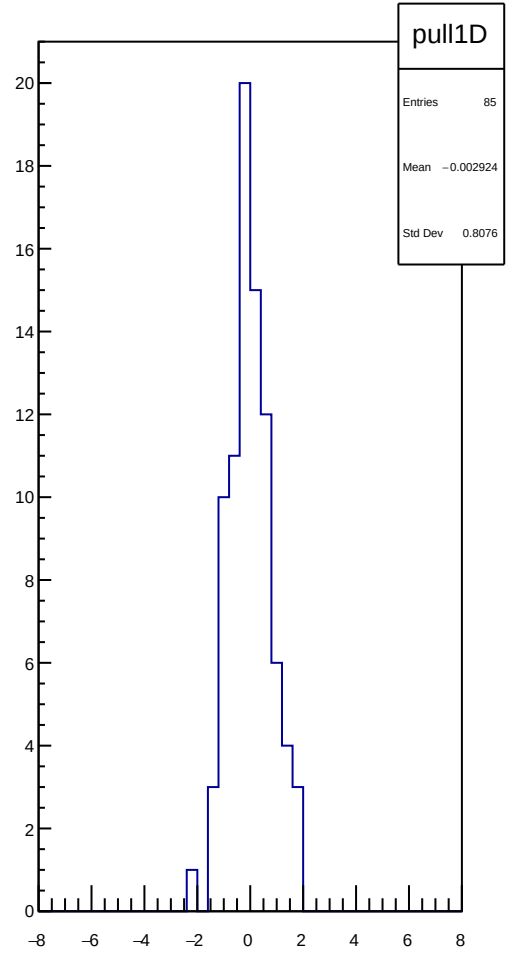

pull1D
Entries 85
Mean −0.03019
Std Dev 1.014

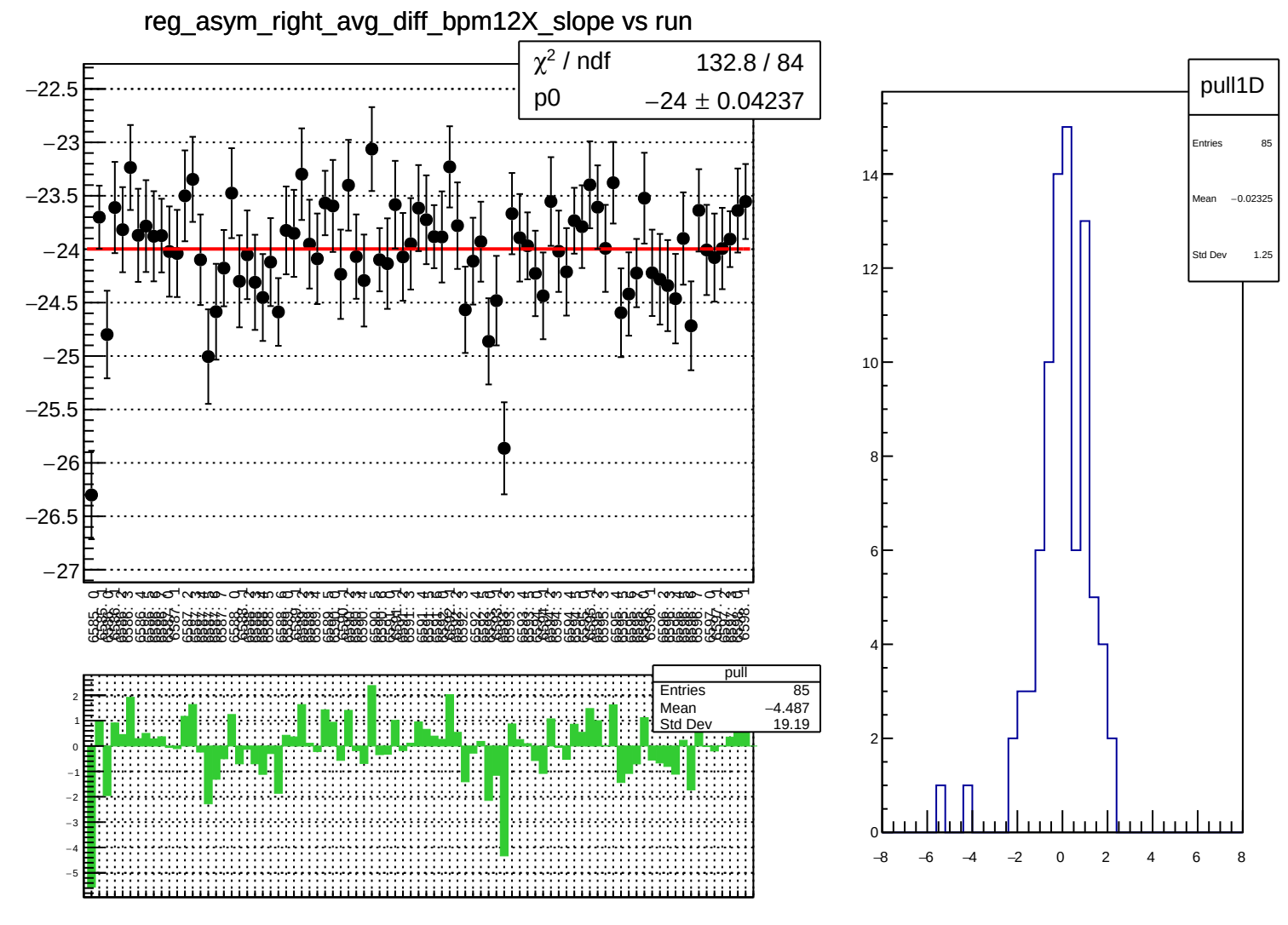

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 50.97 / 84
p0 −2.942 ± 0.7033
pull
Entries 85
Mean 600.4
Std Dev 551.6

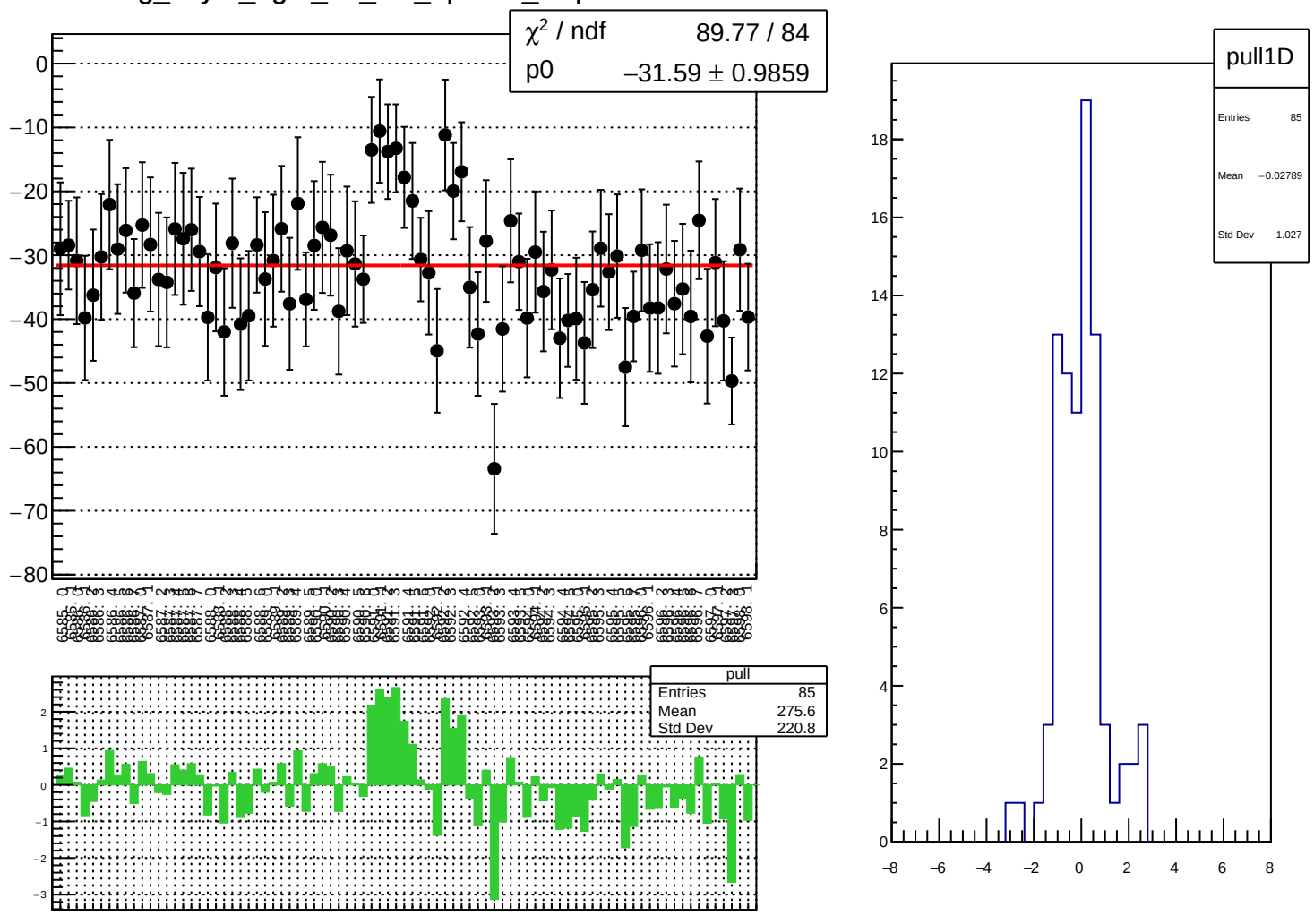

pull1D
Entries 85
Mean 0.009616
Std Dev 0.7743

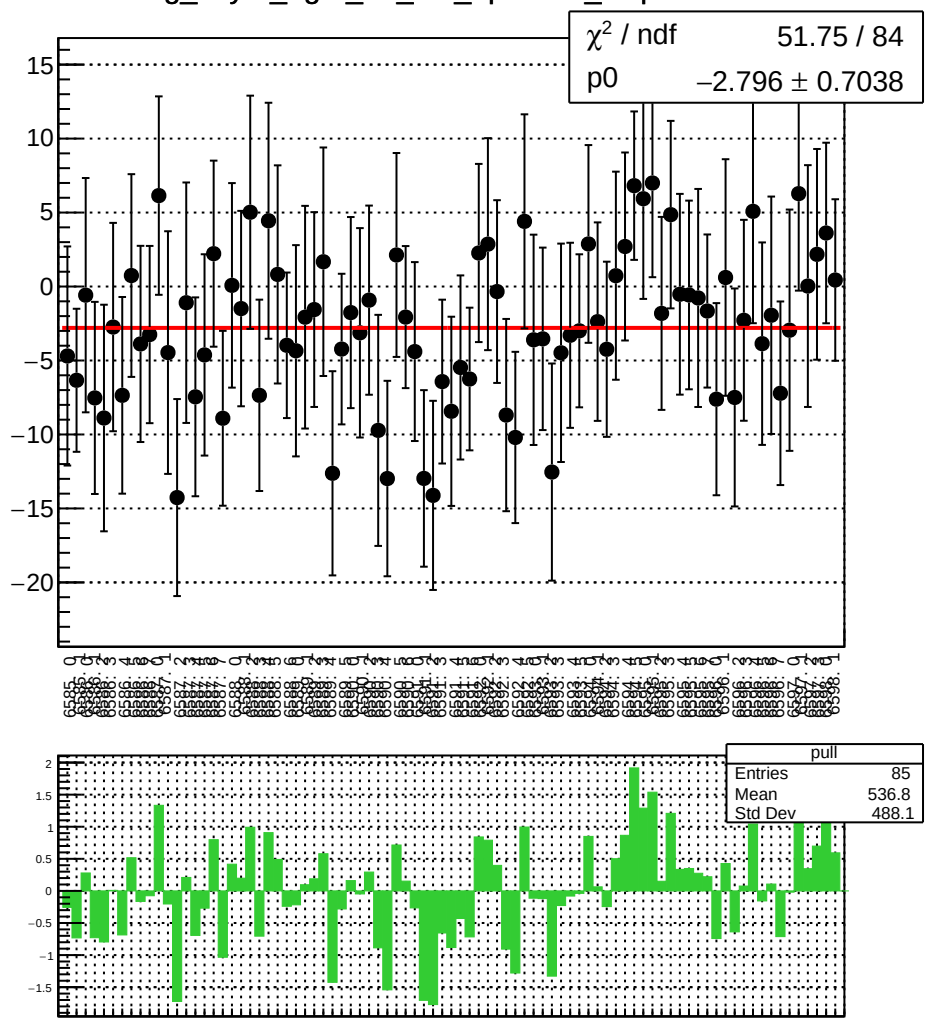

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 89.71 / 84
p0 65.79 ± 1.047
pull
Entries 85
Mean 217.2
Std Dev 158.4
pull1D
Entries 85
Mean 0.03322
Std Dev 1.027

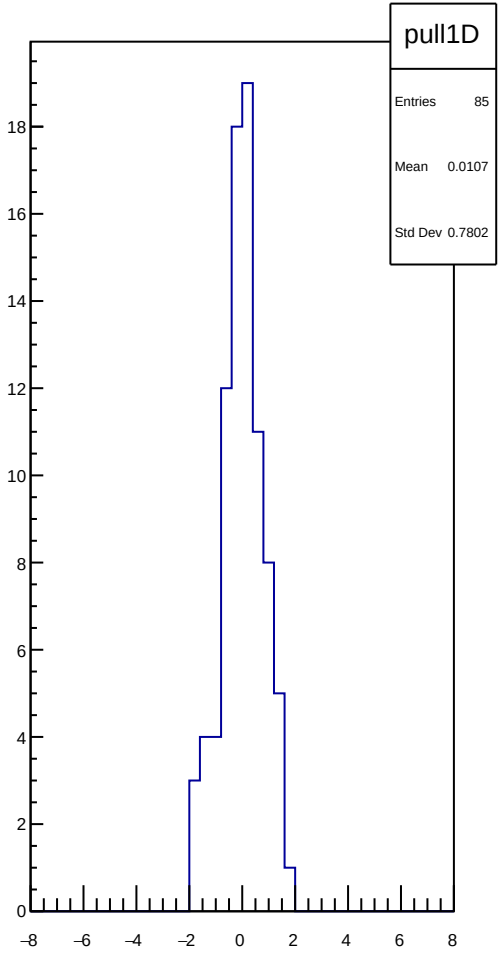

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 55.43 / 84
p0 15.44 ± 0.8459
pull
Entries 85
Mean 2245
Std Dev 2197

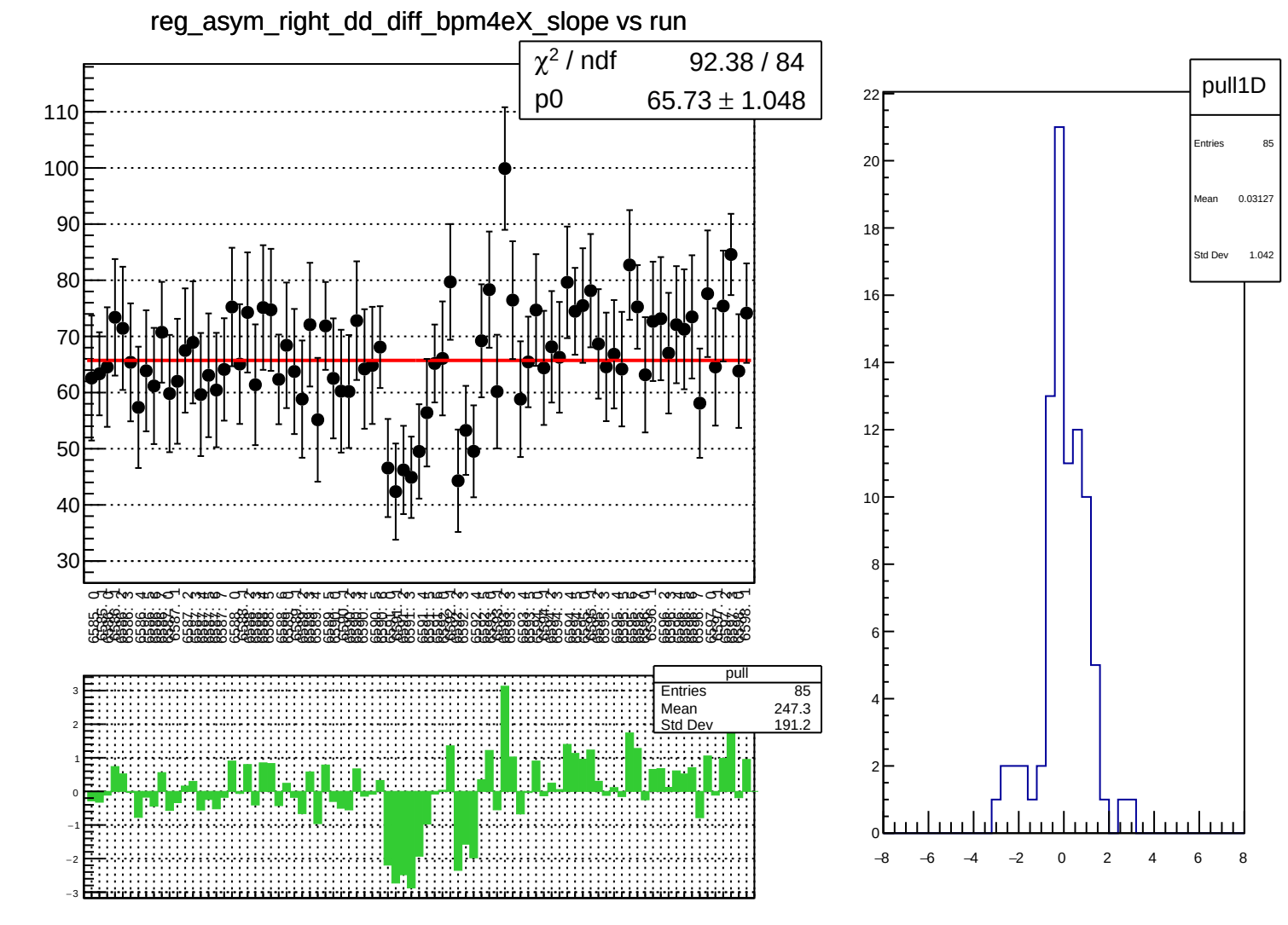

pull1D
Entries 85
Mean −0.002924
Std Dev 0.8076

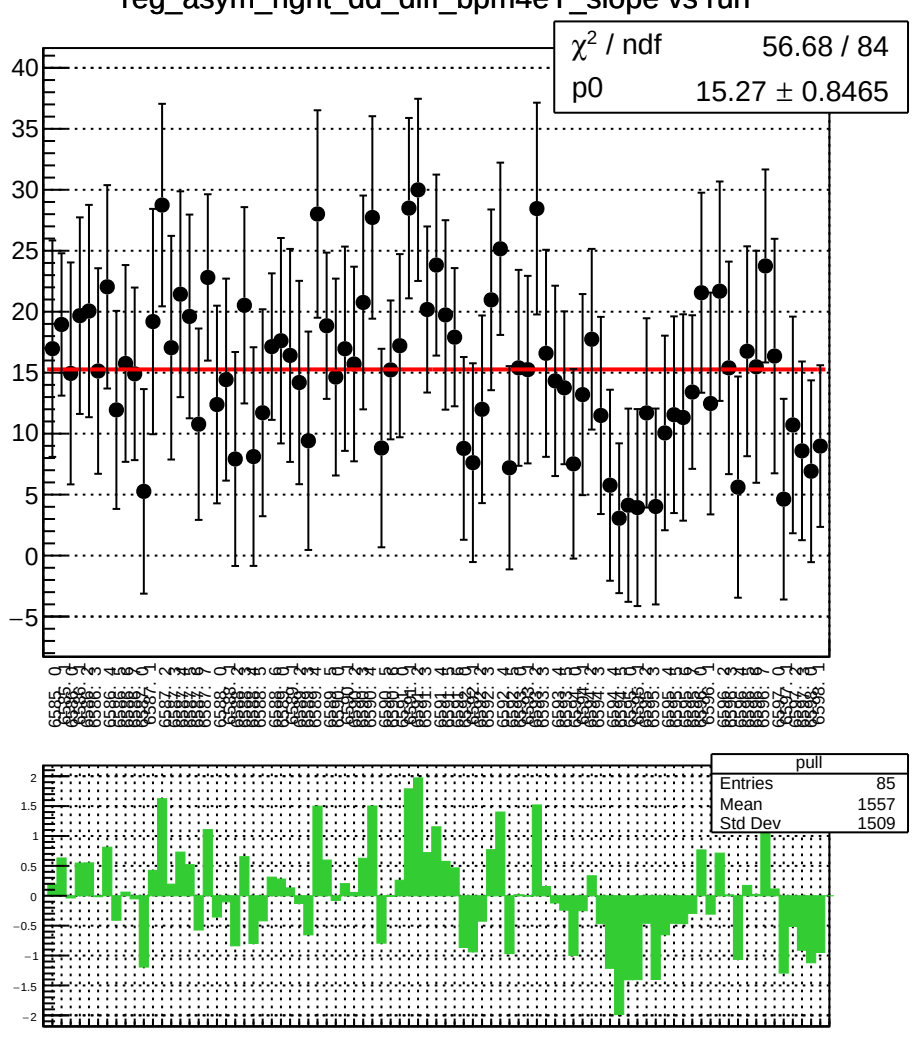

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 132.8 / 84
p0 −24 ± 0.04237
pull
Entries 85
Mean −4.487
Std Dev 19.19
pull1D
Entries 85
Mean −0.02325
Std Dev 1.25

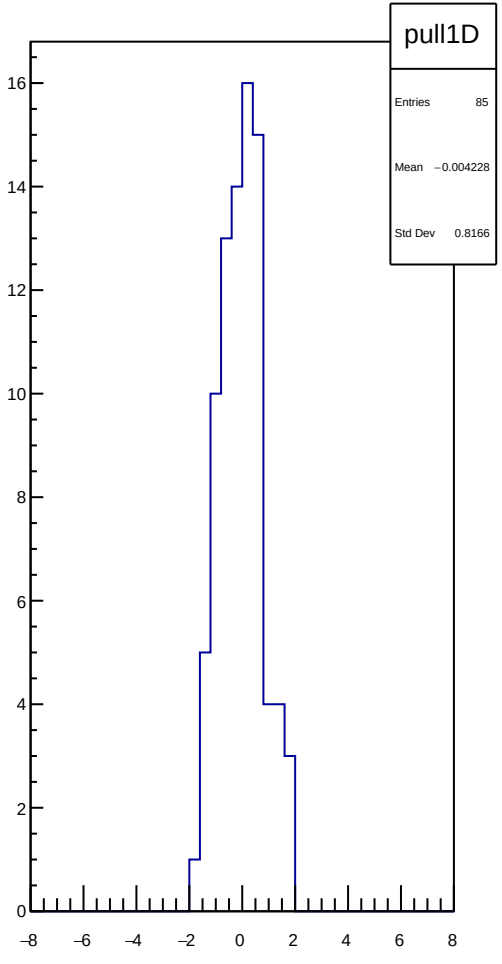

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 89.77 / 84
p0 −31.59 ± 0.9859
pull
Entries 85
Mean 275.6
Std Dev 220.8
pull1D
Entries 85
Mean −0.02789
Std Dev 1.027

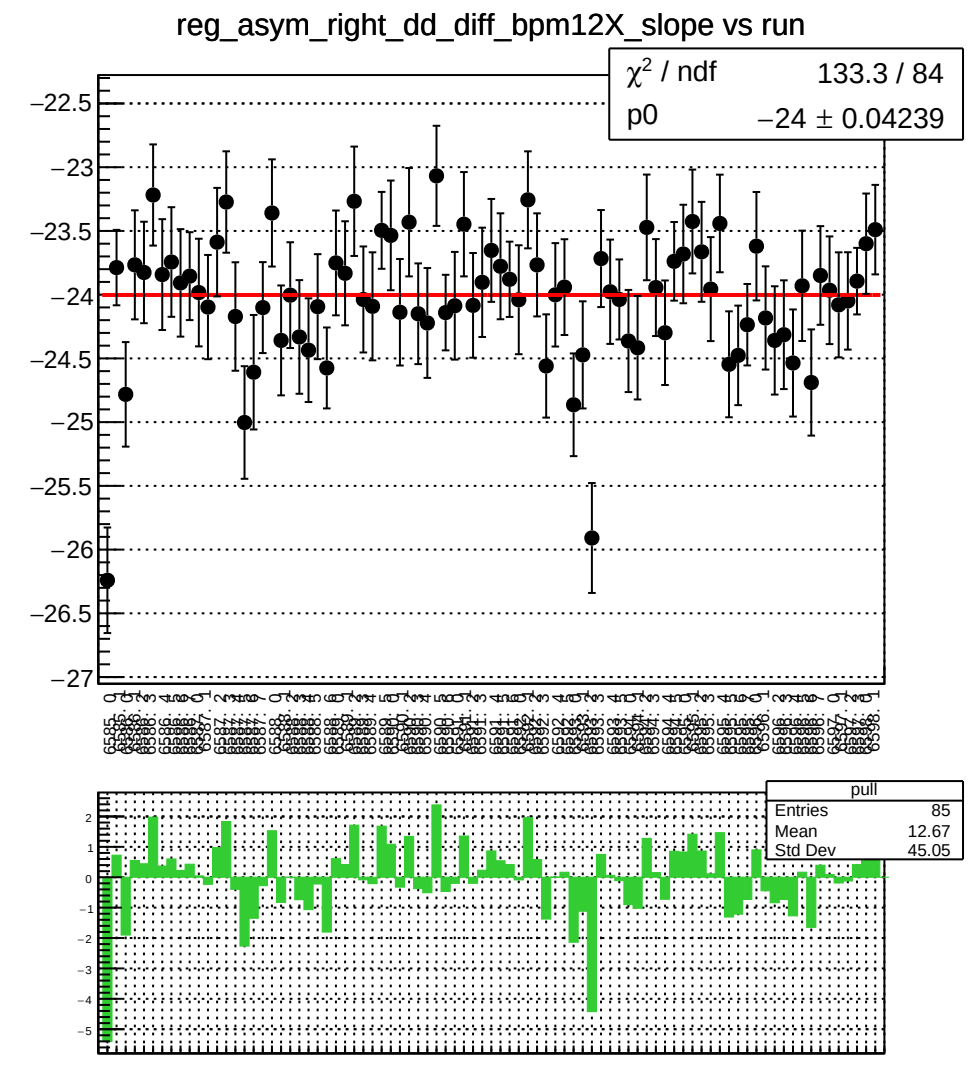

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.75 / 84
p0 −2.796 ± 0.7038
pull
Entries 85
Mean 536.8
Std Dev 488.1

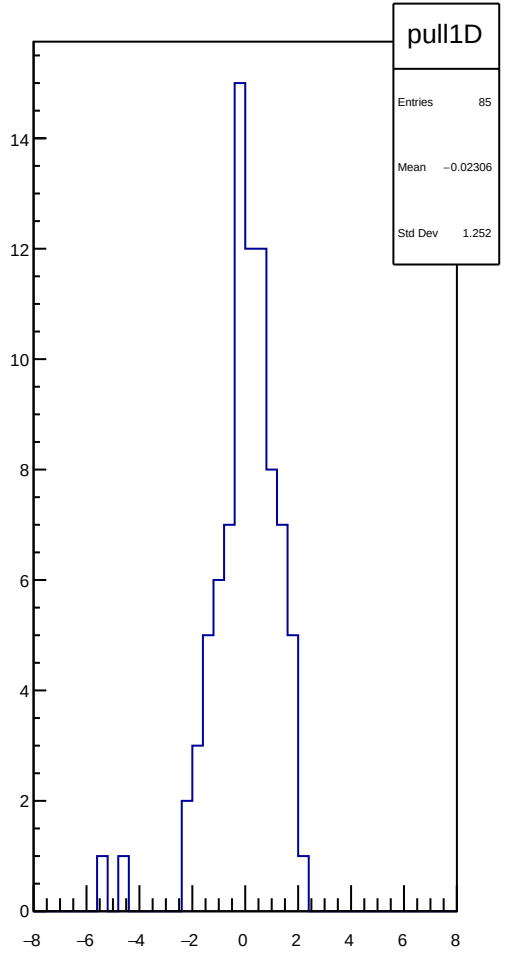

pull1D
Entries 85
Mean 0.0107
Std Dev 0.7802

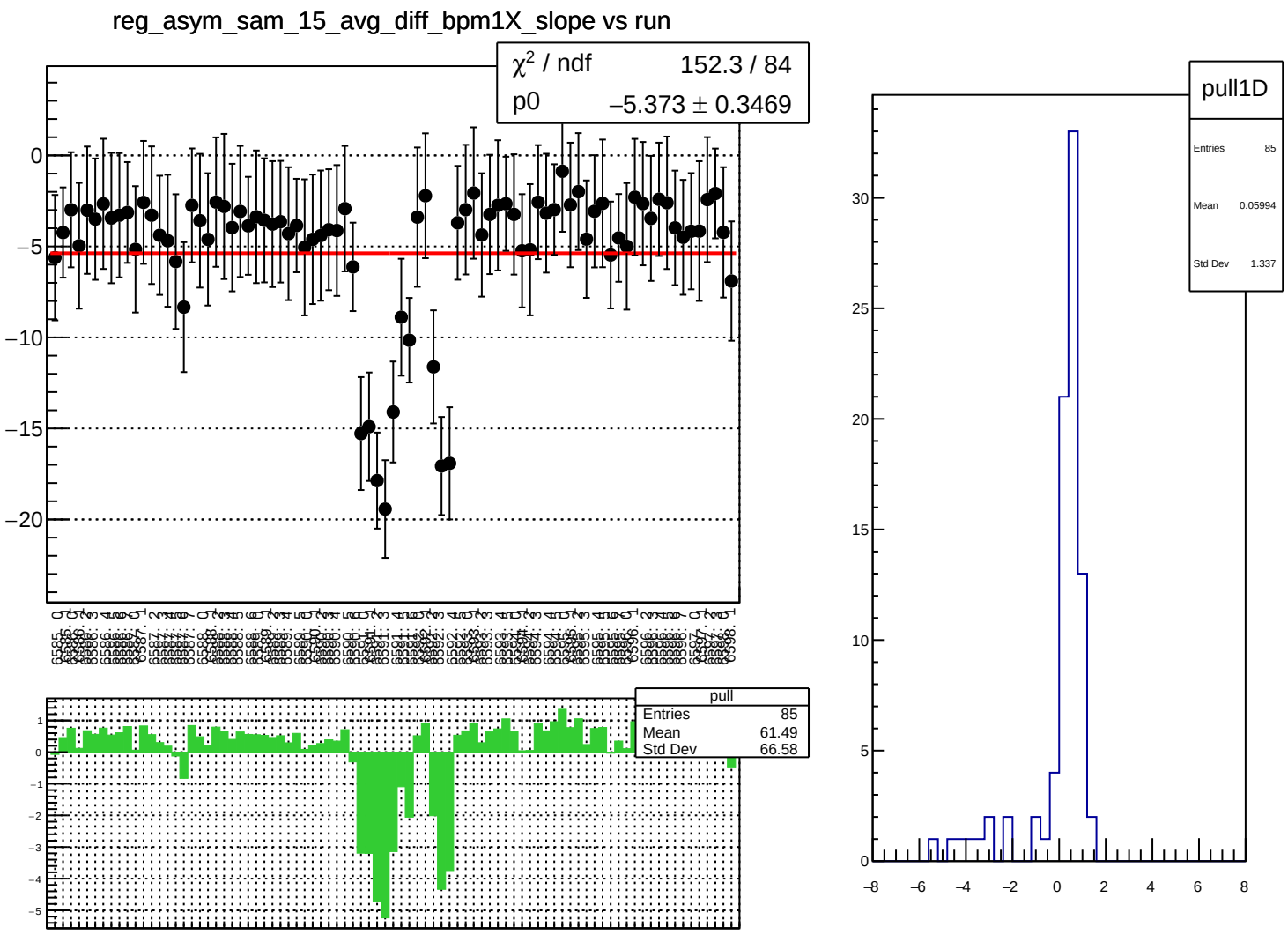

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 92.38 / 84
p0 65.73 ± 1.048
pull
Entries 85
Mean 247.3
Std Dev 191.2
pull1D
Entries 85
Mean 0.03127
Std Dev 1.042

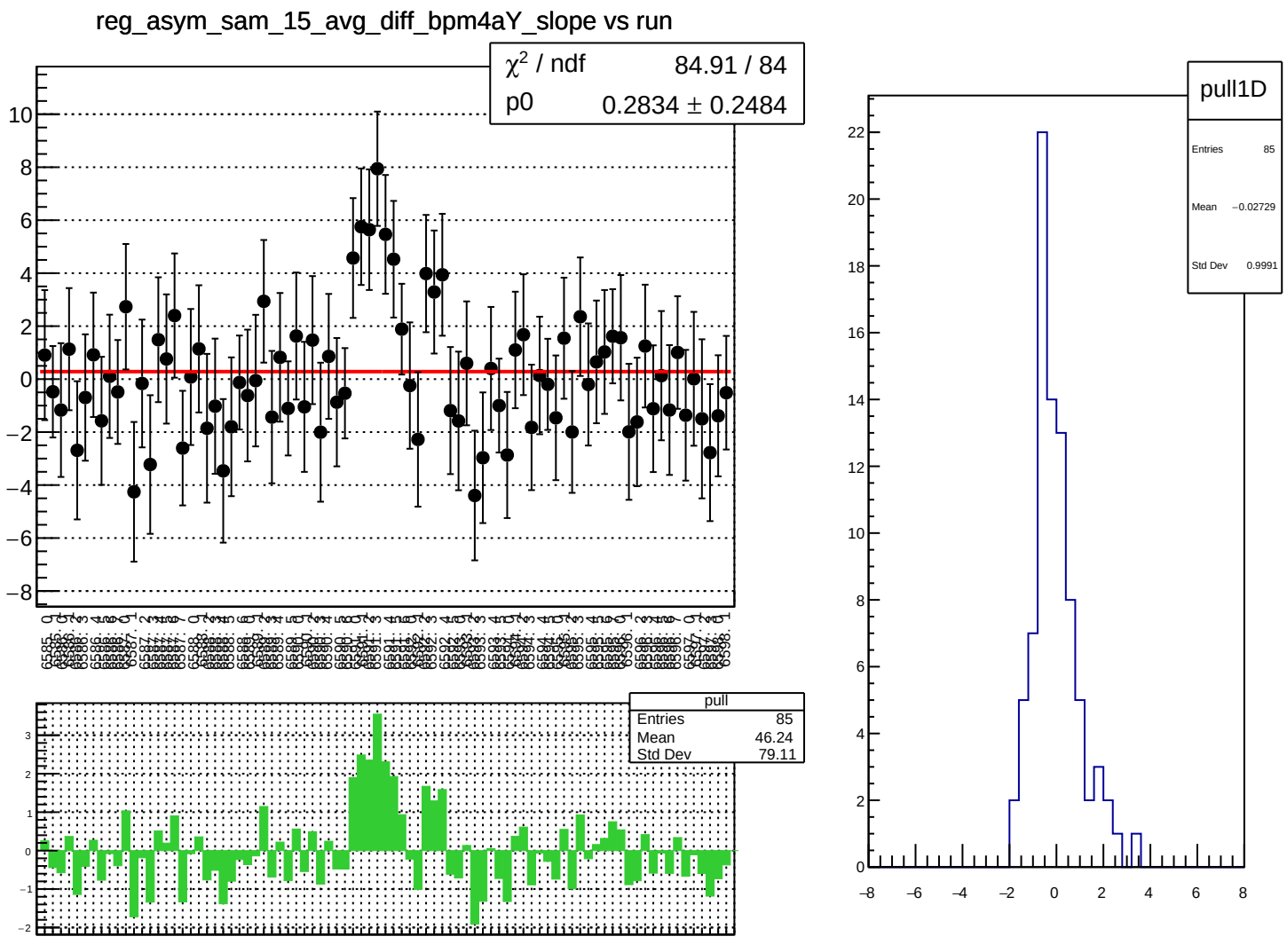

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 56.68 / 84
p0 15.27 ± 0.8465
pull
Entries 85
Mean 1557
Std Dev 1509

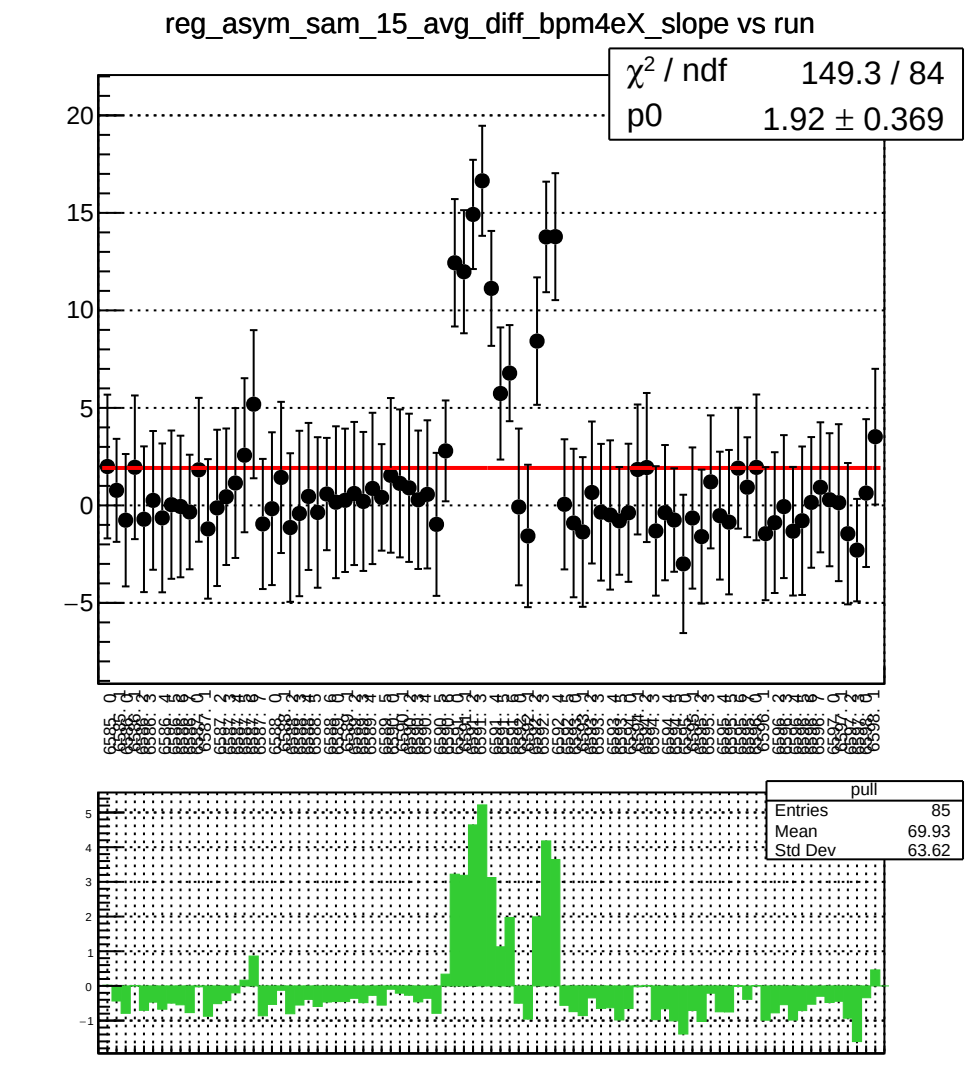

pull1D
Entries 85
Mean −0.004228
Std Dev 0.8166

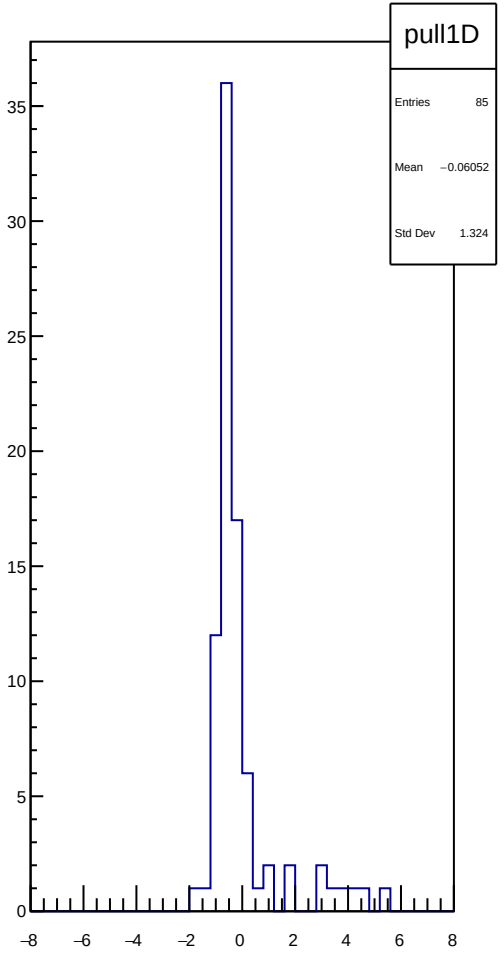

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 133.3 / 84
p0 −24 ± 0.04239
pull
Entries 85
Mean 12.67
Std Dev 45.05

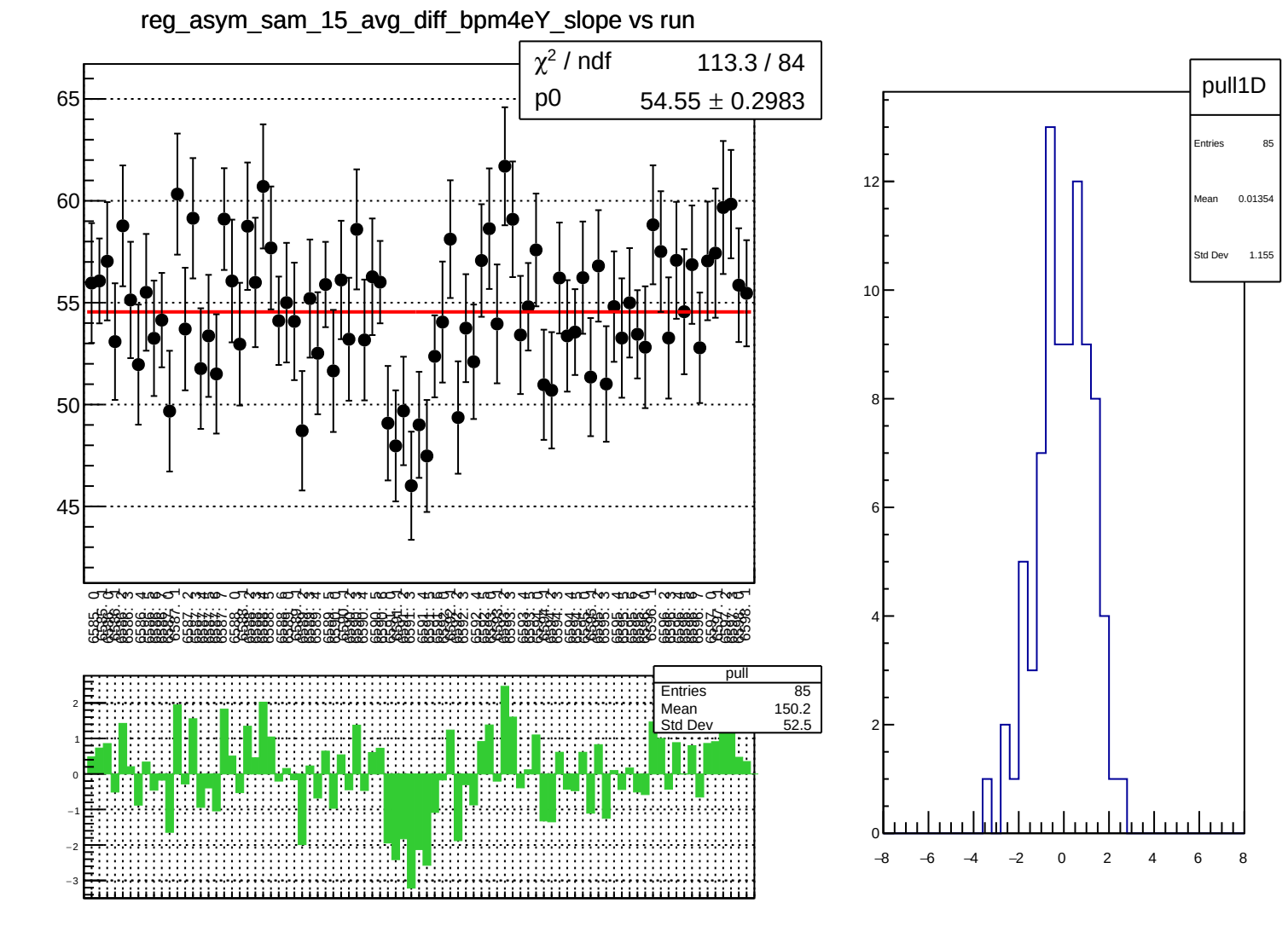

pull1D
Entries 85
Mean −0.02306
Std Dev 1.252

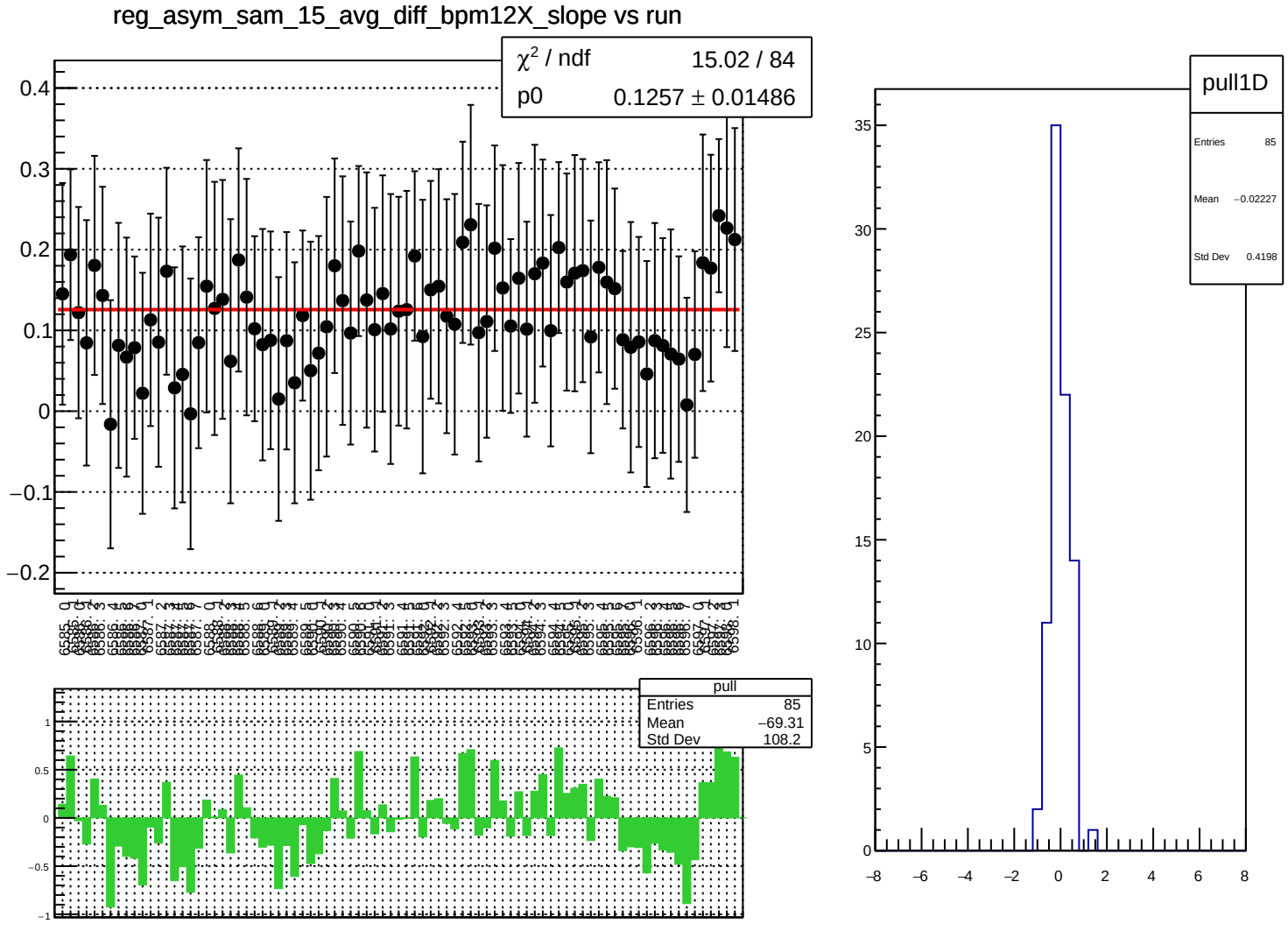

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 152.3 / 84
p0 −5.373 ± 0.3469
pull
Entries 85
Mean 61.49
Std Dev 66.58
pull1D
Entries 85
Mean 0.05994
Std Dev 1.337

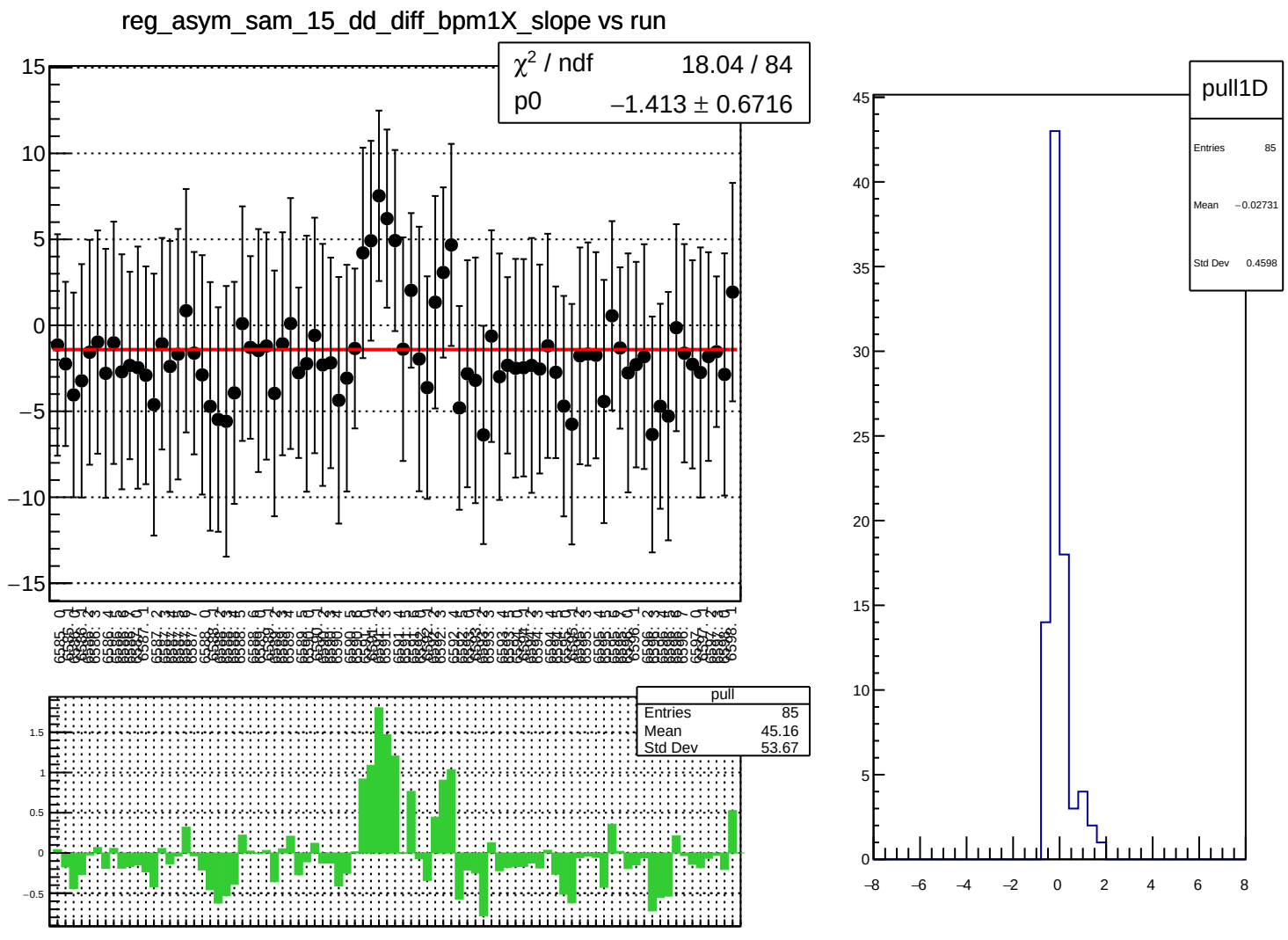

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 84.91 / 84
p0 0.2834 ± 0.2484
pull
Entries 85
Mean 46.24
Std Dev 79.11
pull1D
Entries 85
Mean −0.02729
Std Dev 0.9991

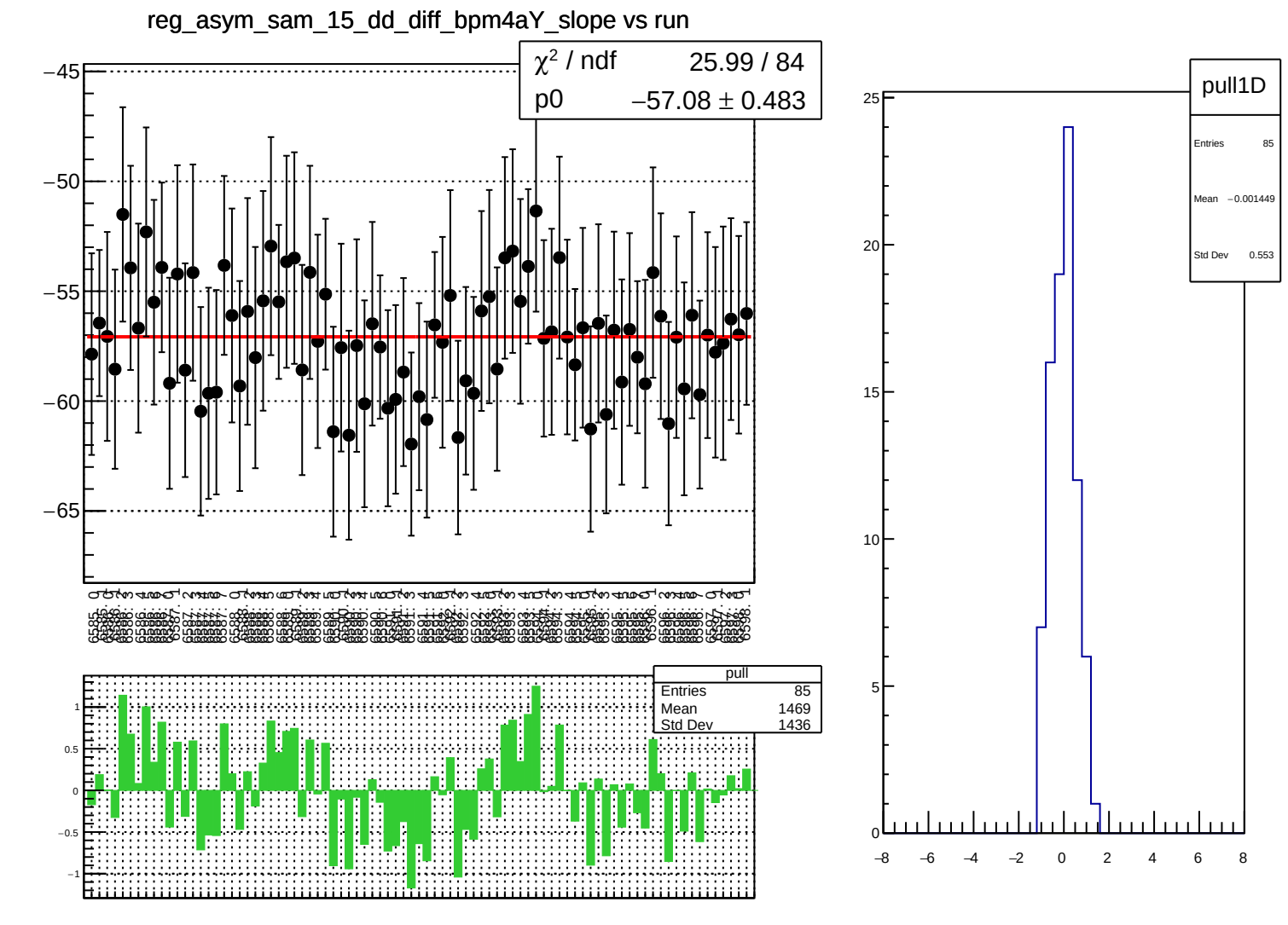

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 149.3 / 84
p0 1.92 ± 0.369
pull
Entries 85
Mean 69.93
Std Dev 63.62

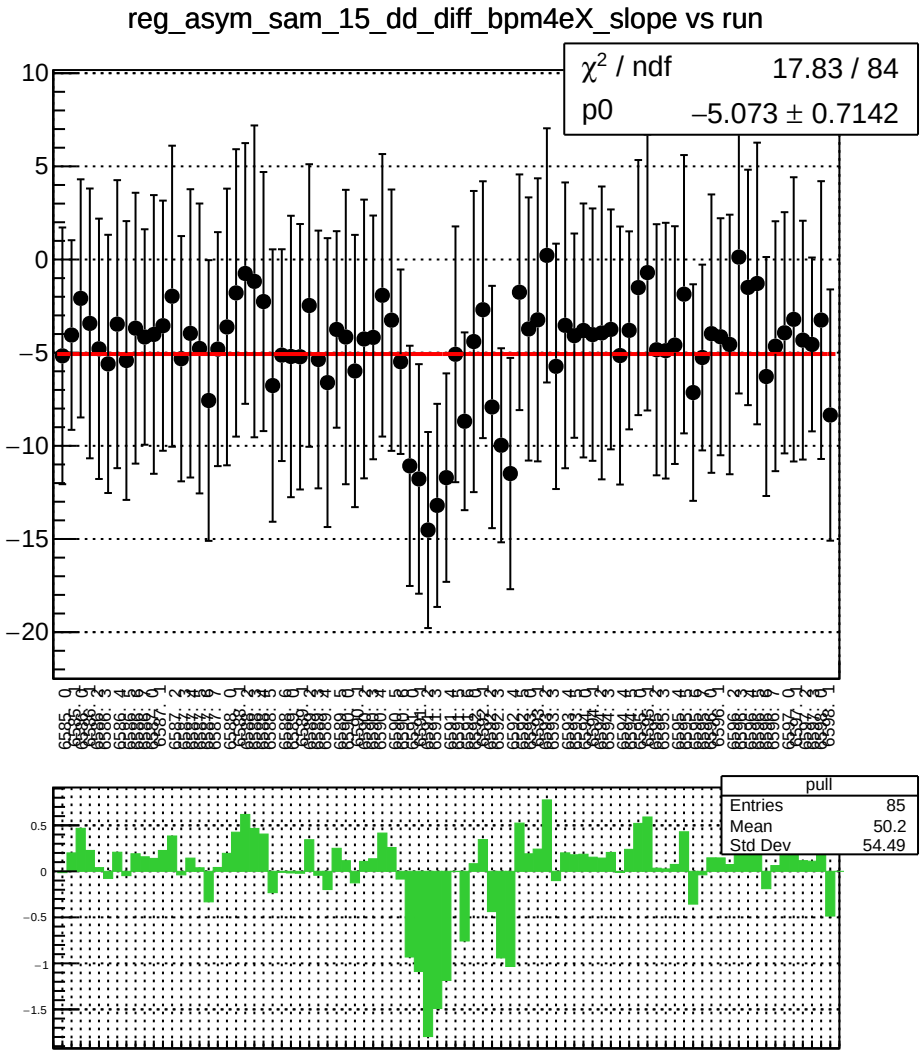

pull1D
Entries 85
Mean −0.06052
Std Dev 1.324

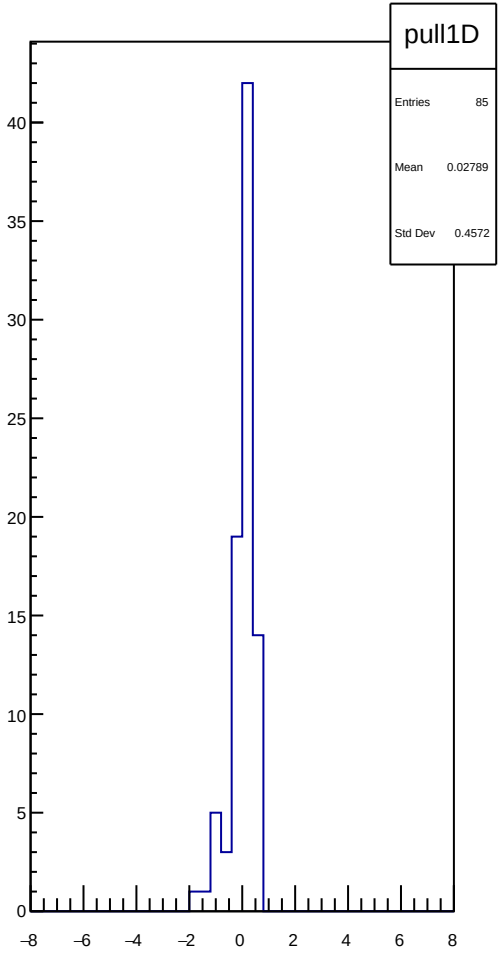

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 113.3 / 84
p0 54.55 ± 0.2983
65
60
55
50
45
pull
Entries 85
Mean 150.2
Std Dev 52.5
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.01354
Std Dev 1.155
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

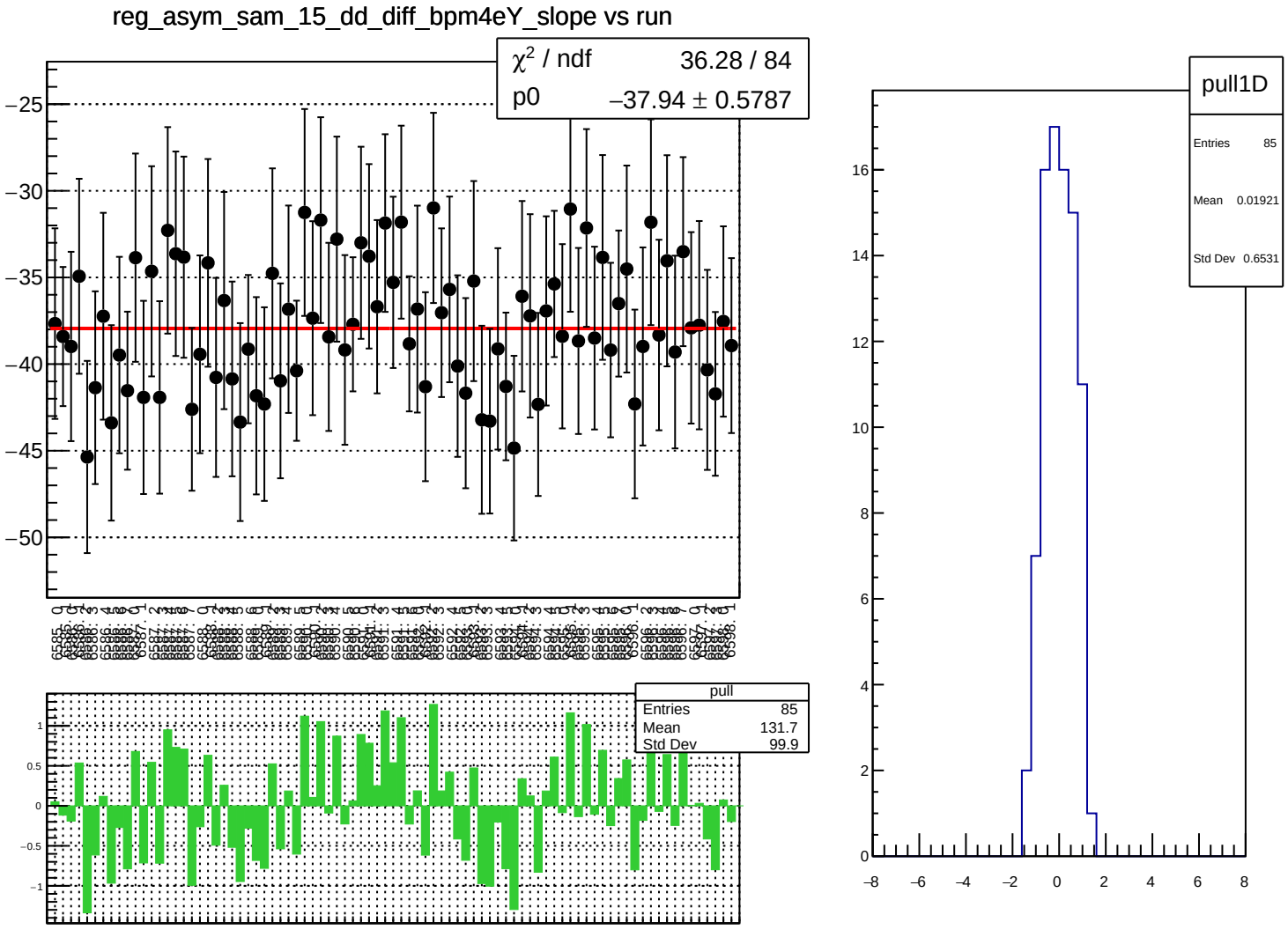

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 15.02 / 84
p0 0.1257 ± 0.01486
pull
Entries 85
Mean −69.31
Std Dev 108.2
pull1D
Entries 85
Mean −0.02227
Std Dev 0.4198

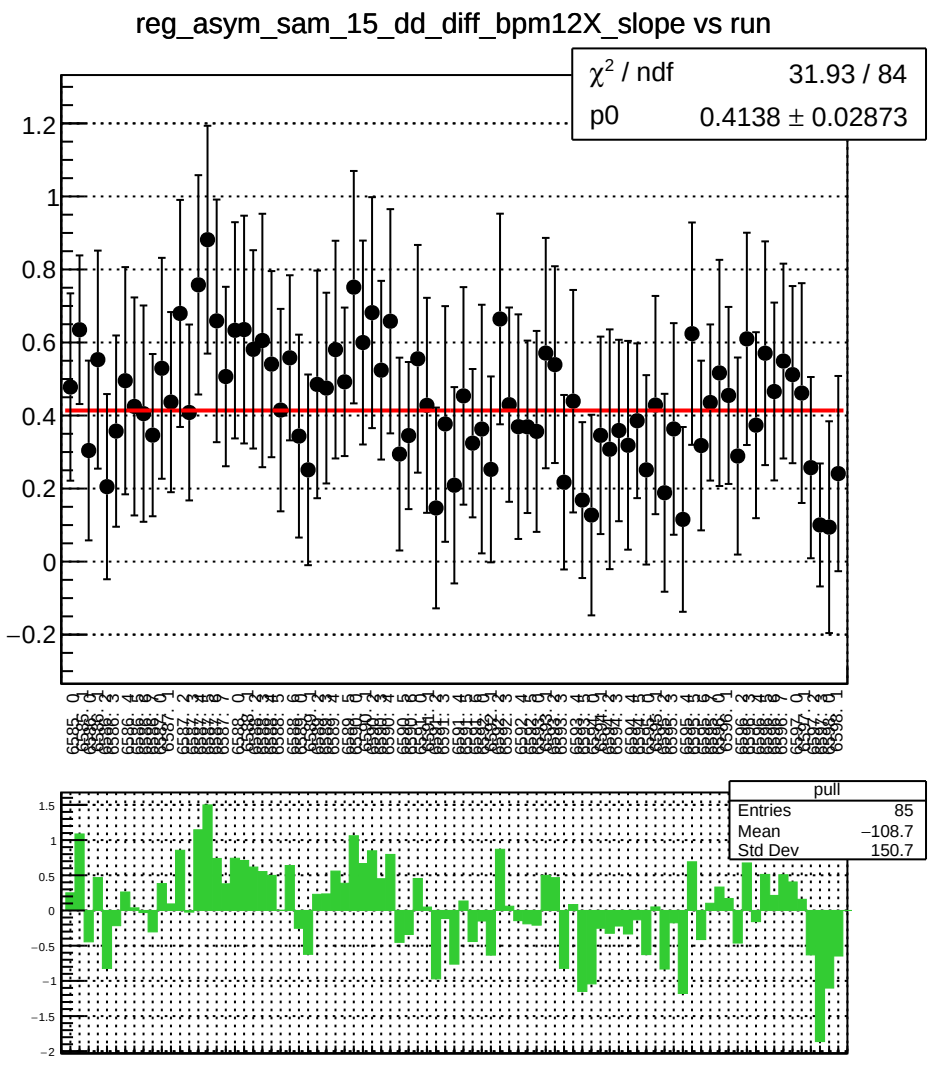

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 18.04 / 84
p0 −1.413 ± 0.6716
pull
Entries 85
Mean 45.16
Std Dev 53.67
pull1D
Entries 85
Mean −0.02731
Std Dev 0.4598

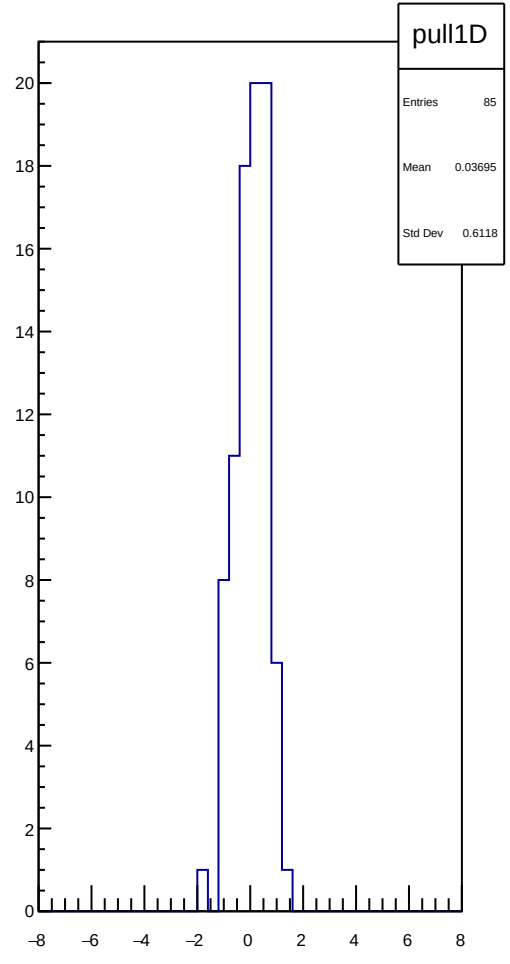

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.99 / 84
p0 −57.08 ± 0.483
−45
−50
−55
−60
−65
pull
Entries 85
Mean 1469
Std Dev 1436
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean −0.001449
Std Dev 0.553
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

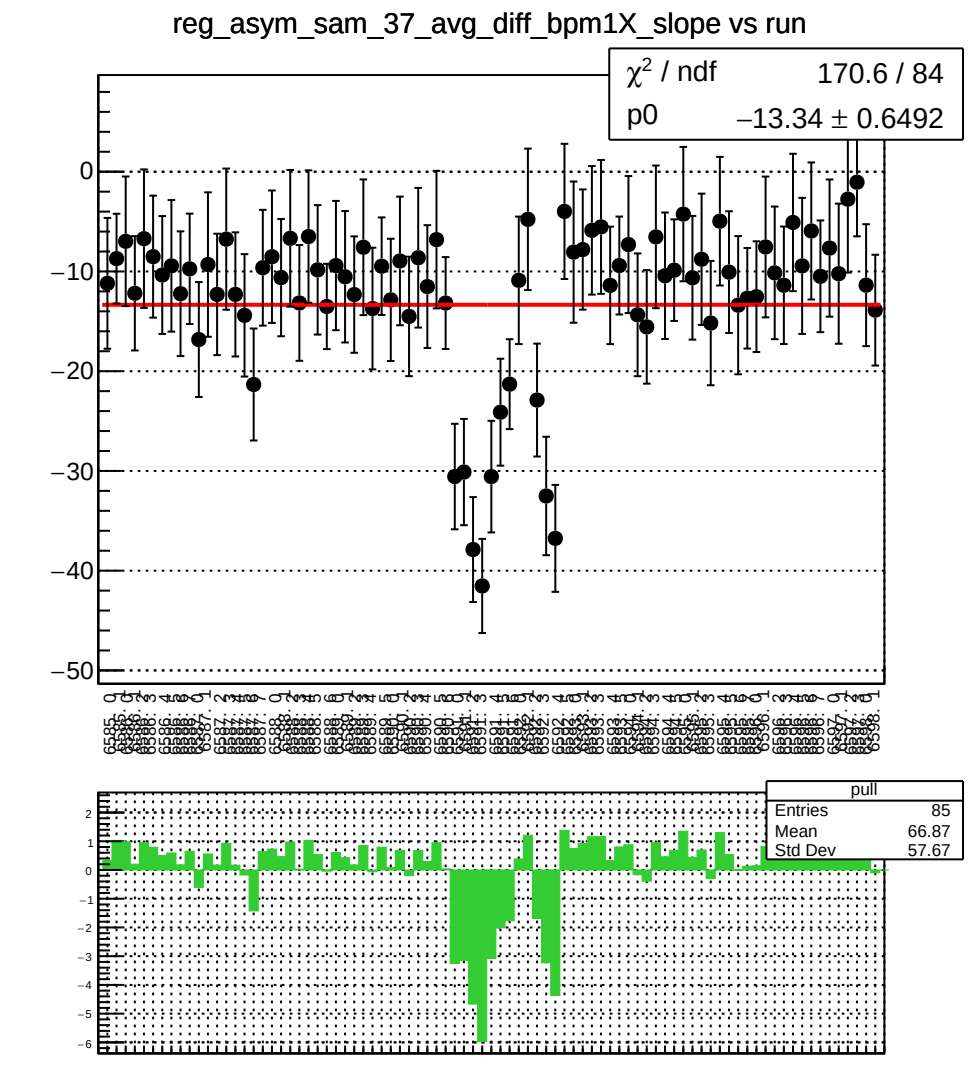

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.83 / 84
p0 −5.073 ± 0.7142
pull
Entries 85
Mean 50.2
Std Dev 54.49

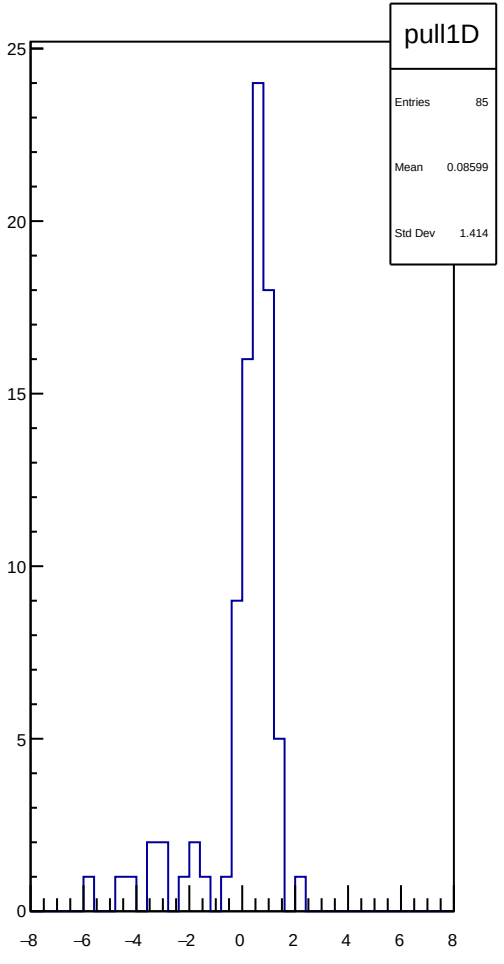

pull1D
Entries 85
Mean 0.02789
Std Dev 0.4572

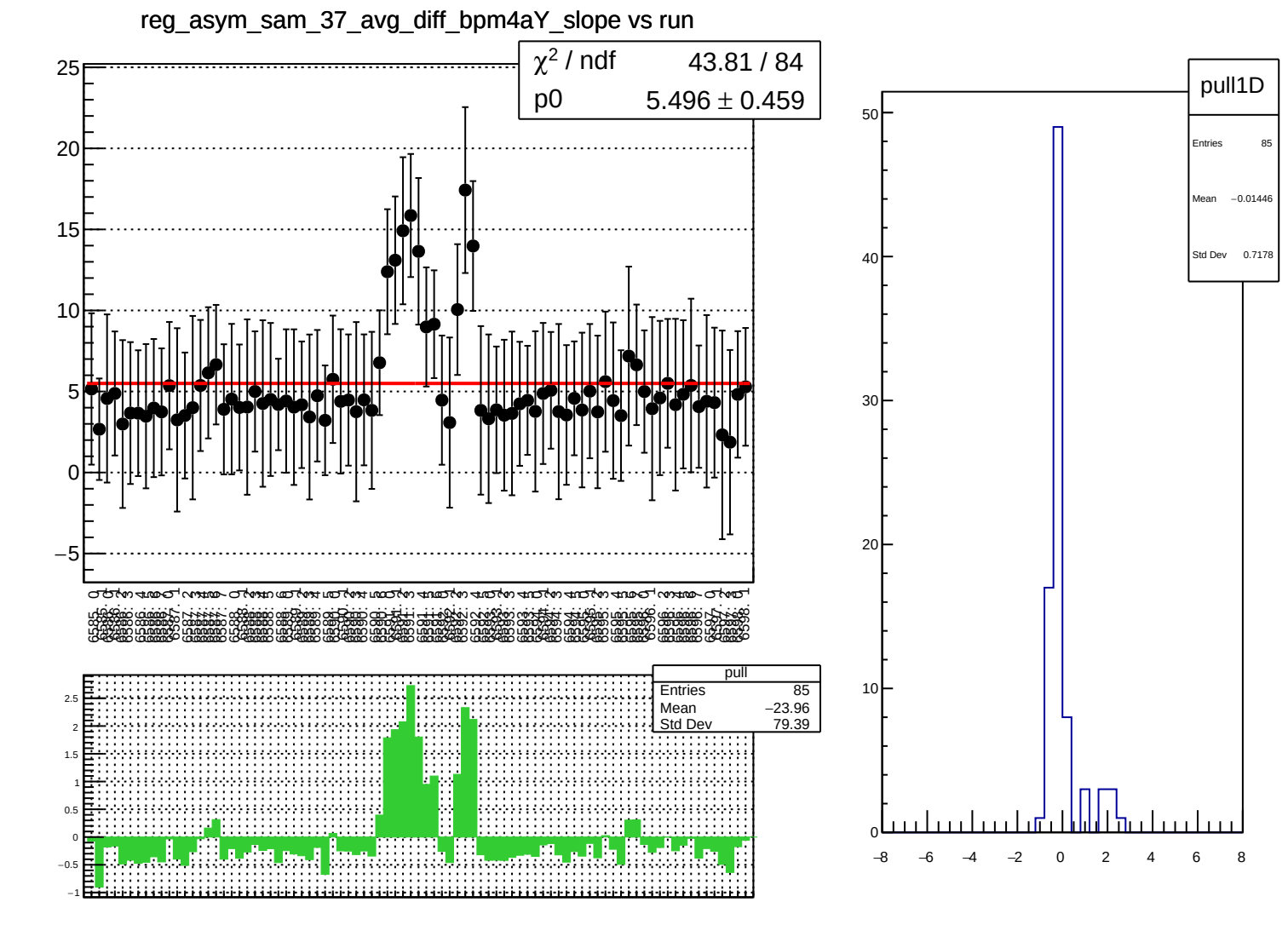

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 36.28 / 84
p0 −37.94 ± 0.5787
−25
−30
−35
−40
−45
−50
pull
Entries 85
Mean 131.7
Std Dev 99.9
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean 0.01921
Std Dev 0.6531
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

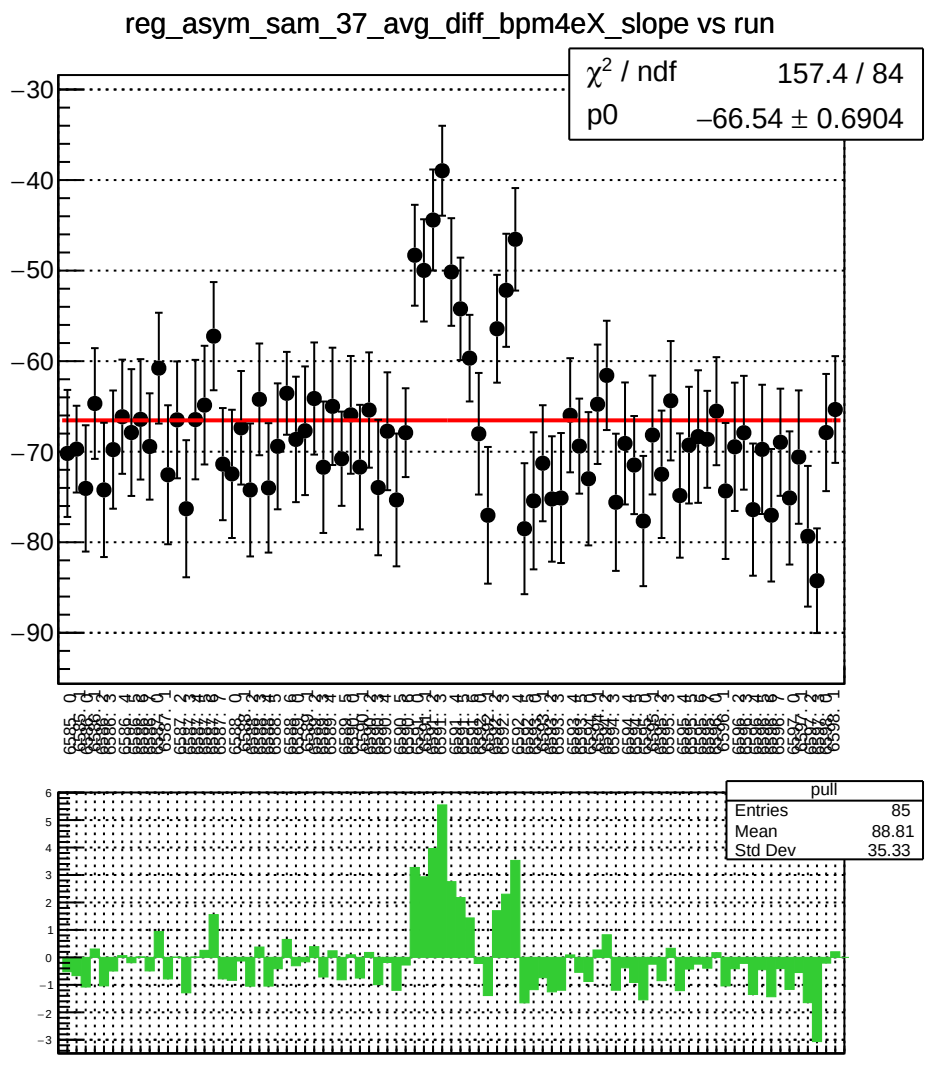

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 31.93 / 84
p0 0.4138 ± 0.02873
pull
Entries 85
Mean −108.7
Std Dev 150.7

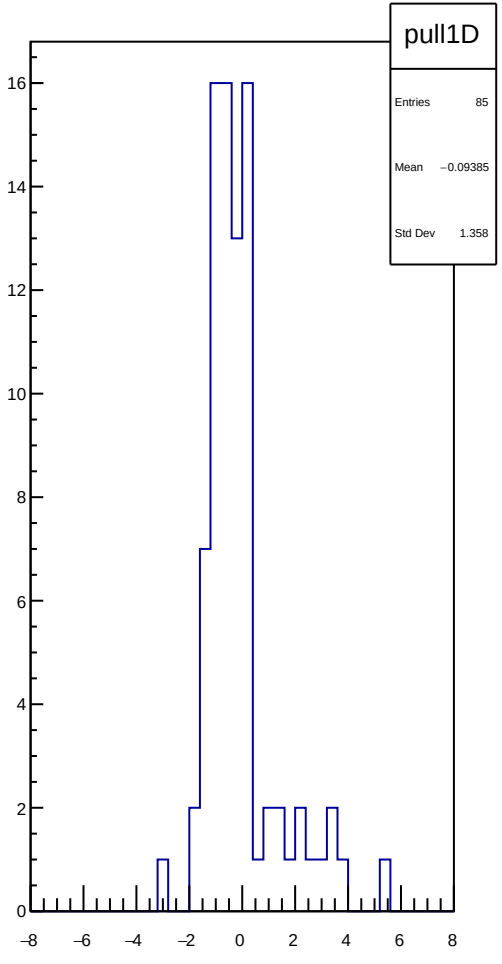

pull1D
Entries 85
Mean 0.03695
Std Dev 0.6118

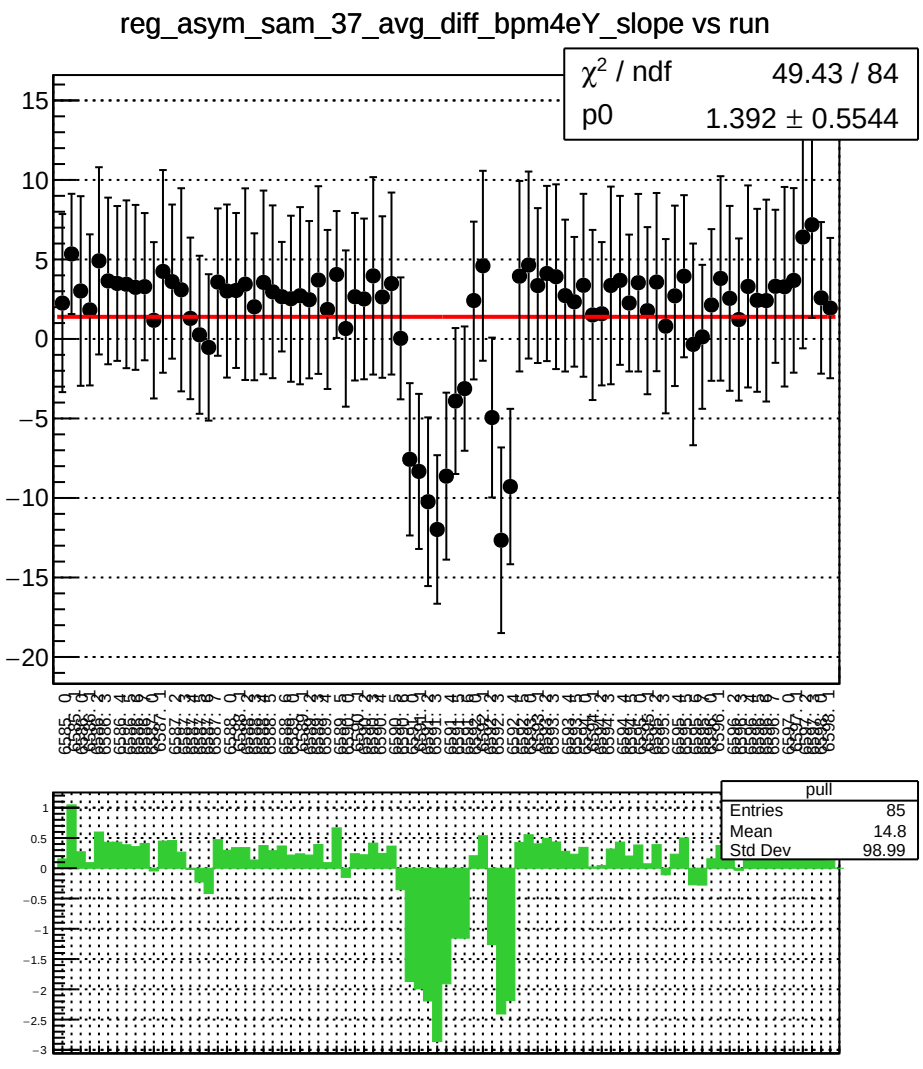

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 170.6 / 84
p0 −13.34 ± 0.6492
pull
Entries 85
Mean 66.87
Std Dev 57.67

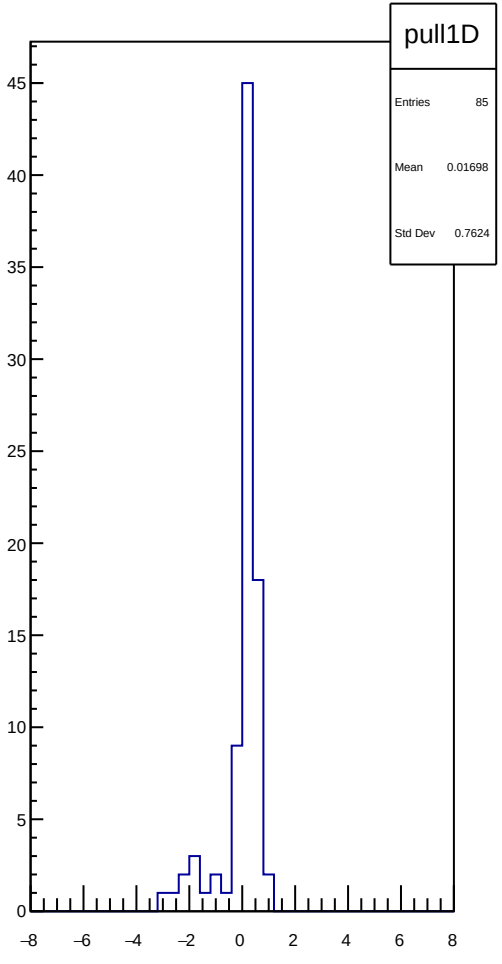

pull1D
Entries 85
Mean 0.08599
Std Dev 1.414

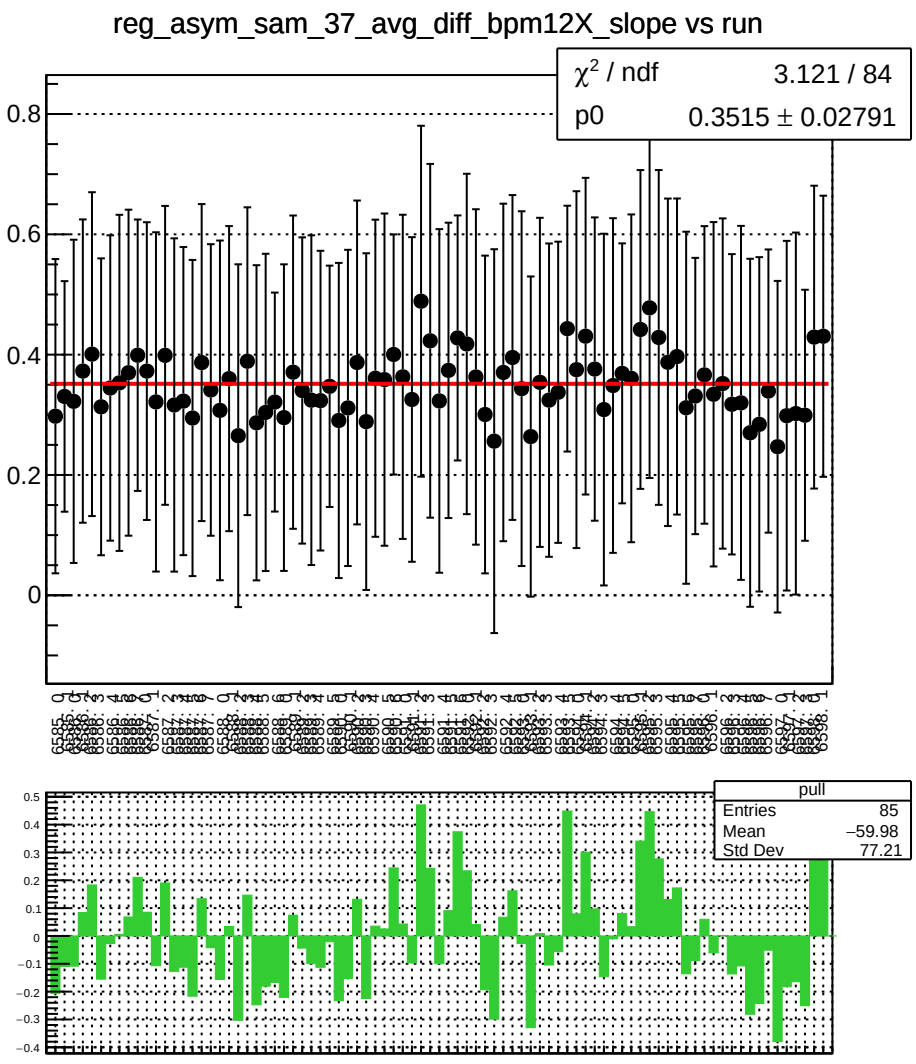

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.81 / 84
p0 5.496 ± 0.459
pull
Entries 85
Mean −23.96
Std Dev 79.39
pull1D
Entries 85
Mean −0.01446
Std Dev 0.7178

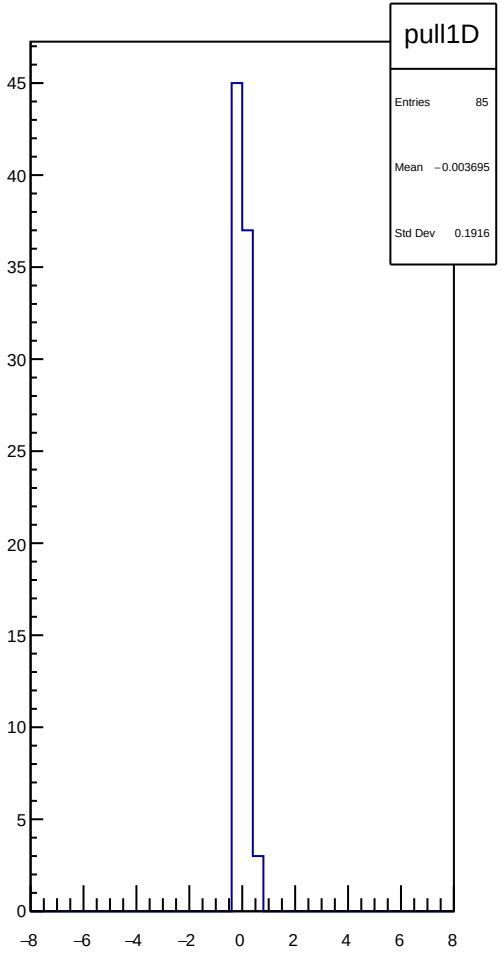

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 157.4 / 84
p0 −66.54 ± 0.6904
pull
Entries 85
Mean 88.81
Std Dev 35.33

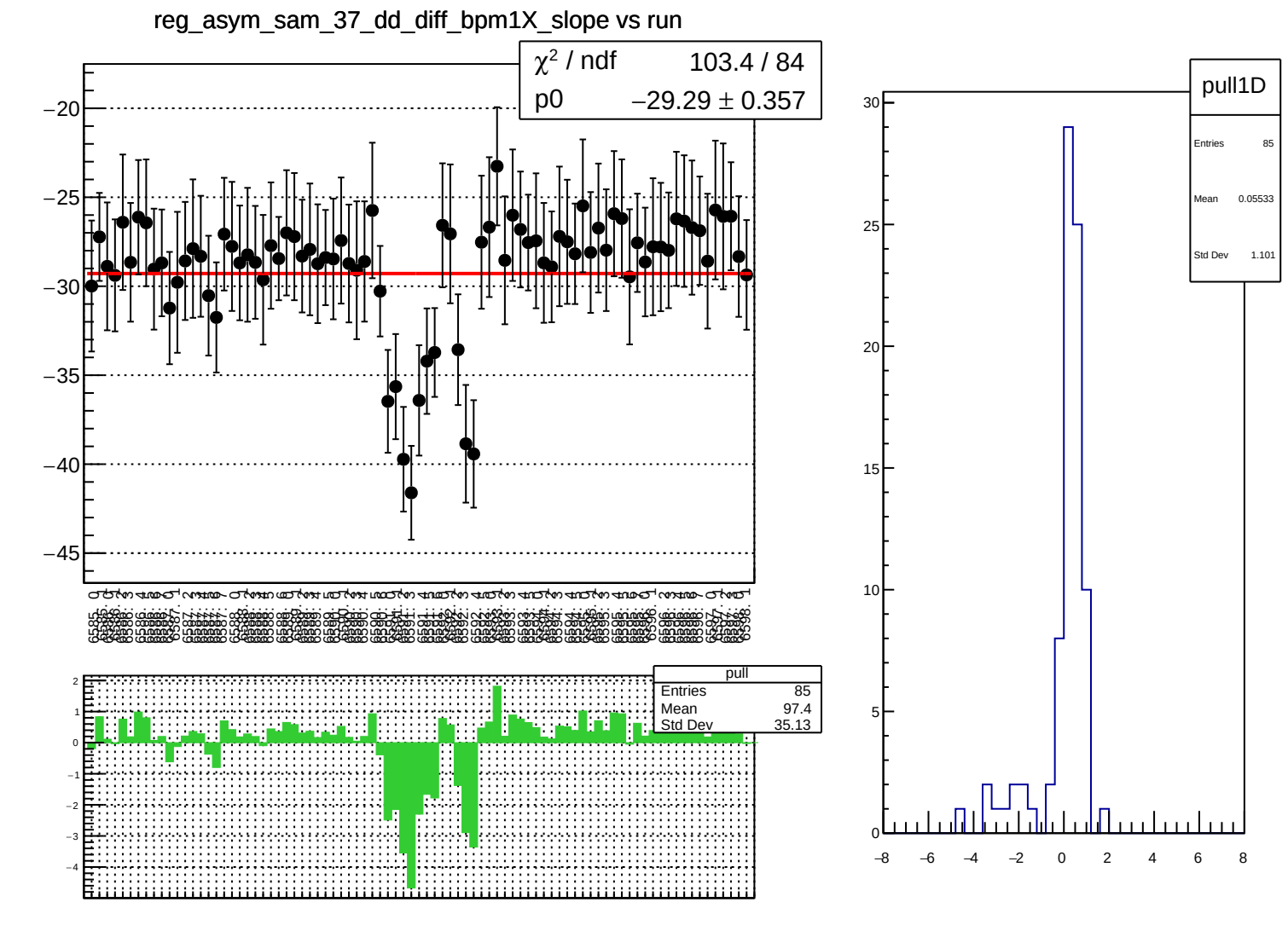

pull1D
Entries 85
Mean −0.09385
Std Dev 1.358

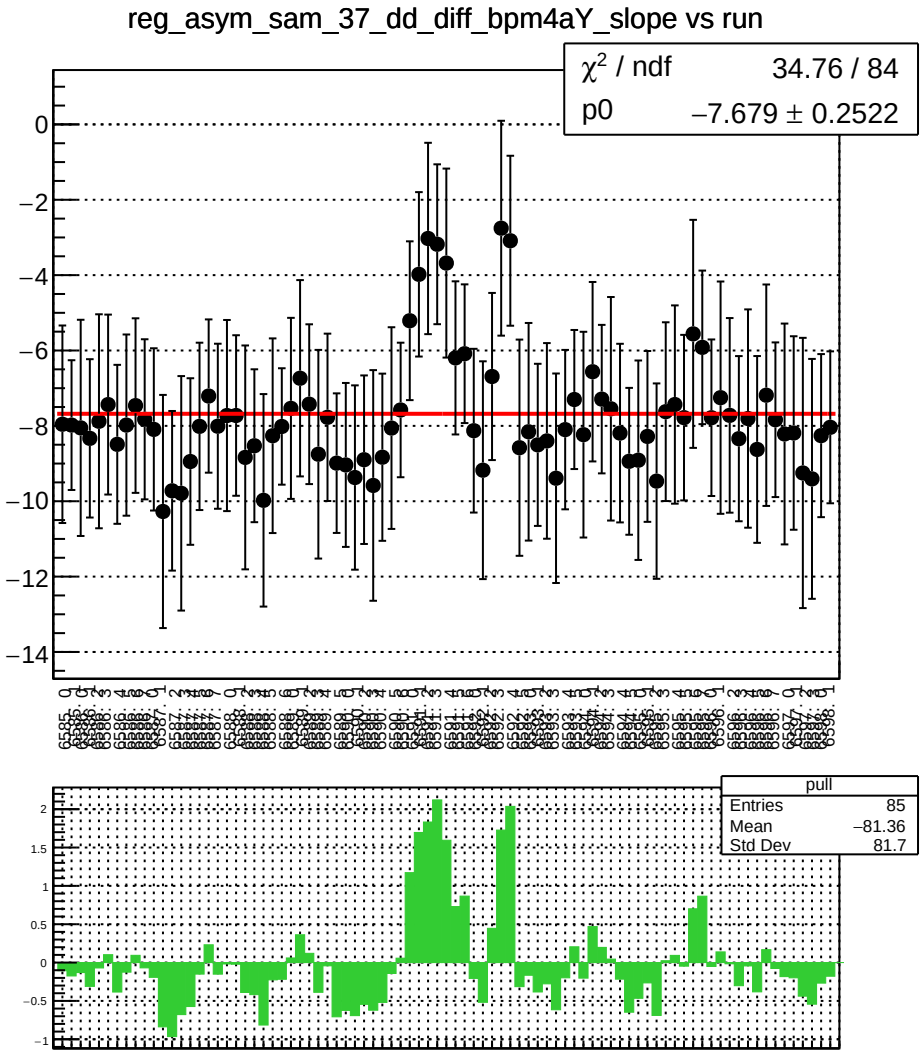

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 49.43 / 84
p0 1.392 ± 0.5544
pull
Entries 85
Mean 14.8
Std Dev 98.99

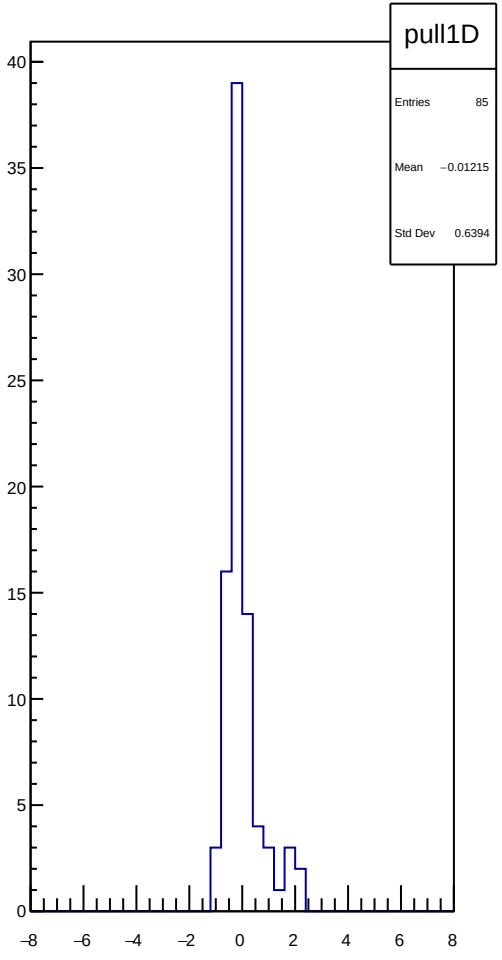

pull1D
Entries 85
Mean 0.01698
Std Dev 0.7624

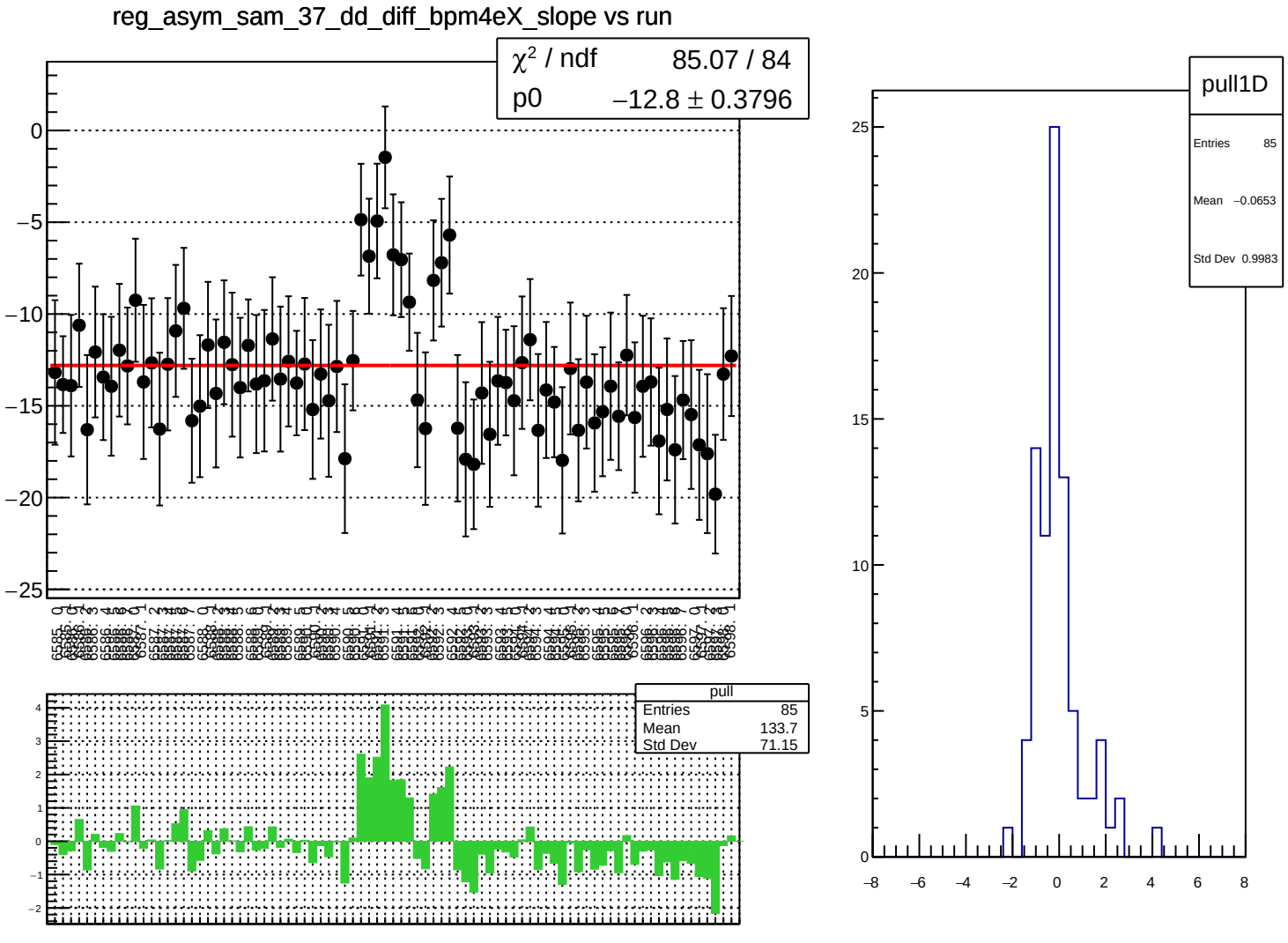

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 3.121 / 84
p0 0.3515 ± 0.02791
0.8
0.6
0.4
0.2
0
pull
Entries 85
Mean −59.98
Std Dev 77.21
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

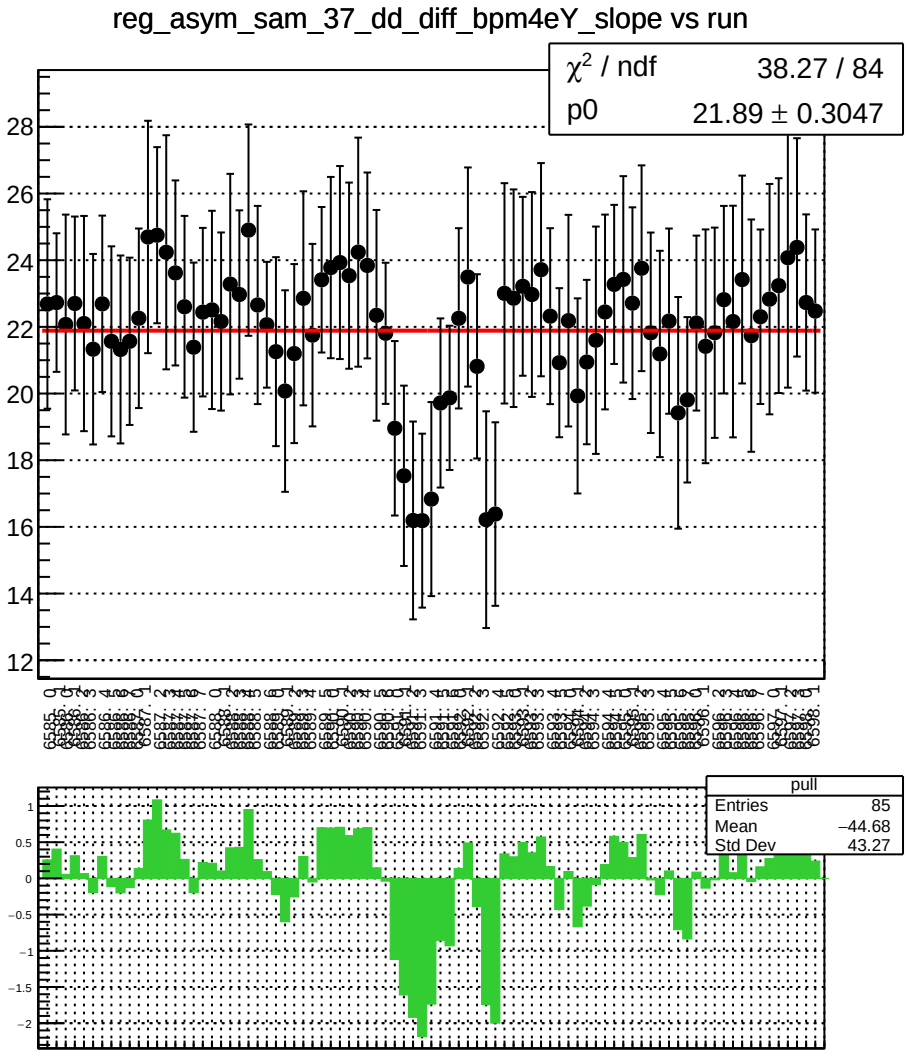

pull1D
Entries 85
Mean −0.003695
Std Dev 0.1916
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

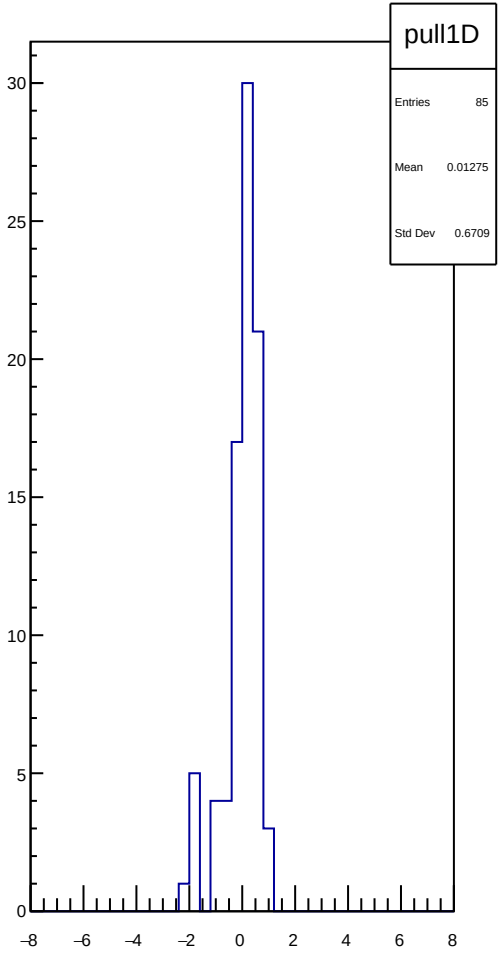

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 103.4 / 84
p0 −29.29 ± 0.357
pull
Entries 85
Mean 97.4
Std Dev 35.13
pull1D
Entries 85
Mean 0.05533
Std Dev 1.101

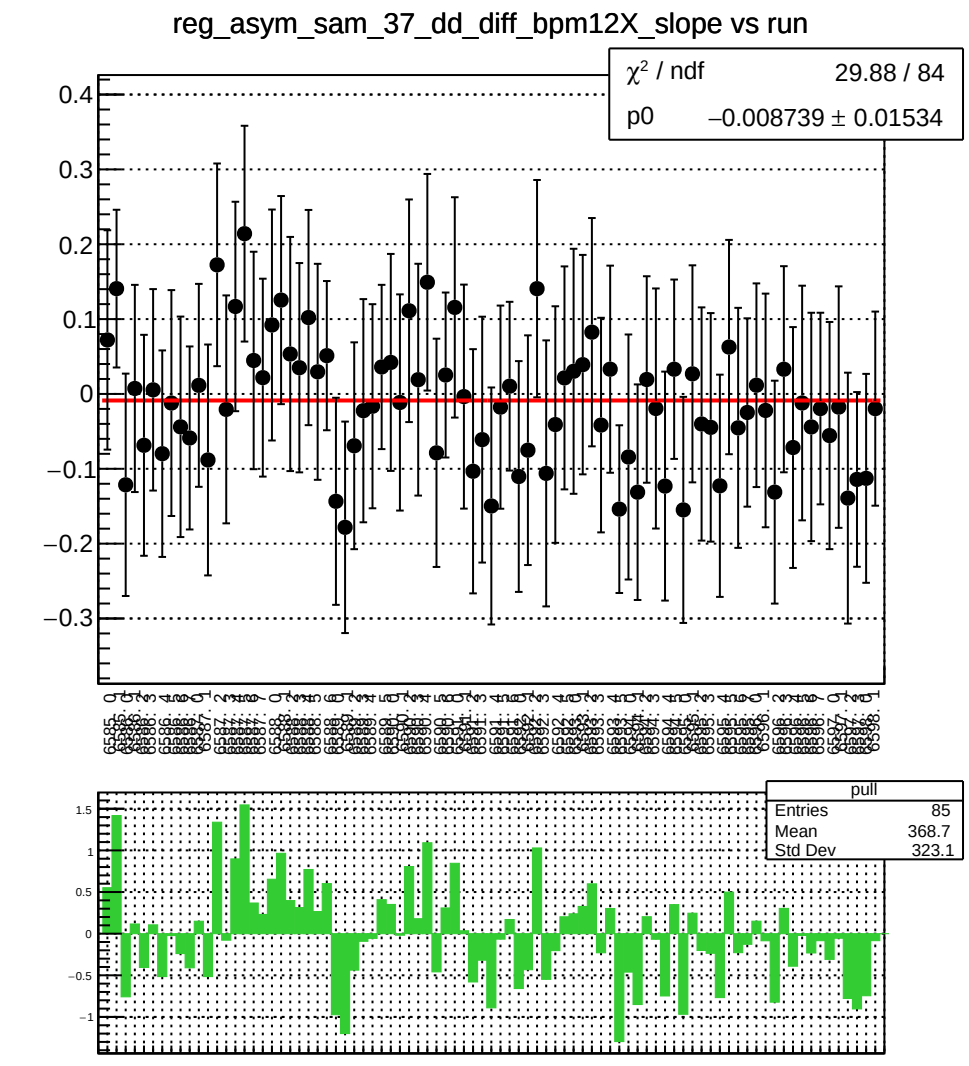

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.76 / 84
p0 −7.679 ± 0.2522
pull
Entries 85
Mean −81.36
Std Dev 81.7

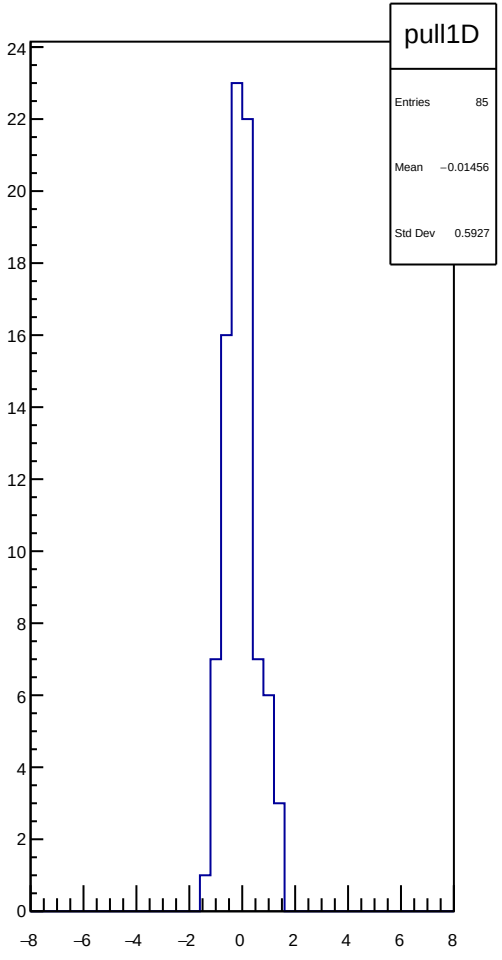

pull1D
Entries 85
Mean −0.01215
Std Dev 0.6394

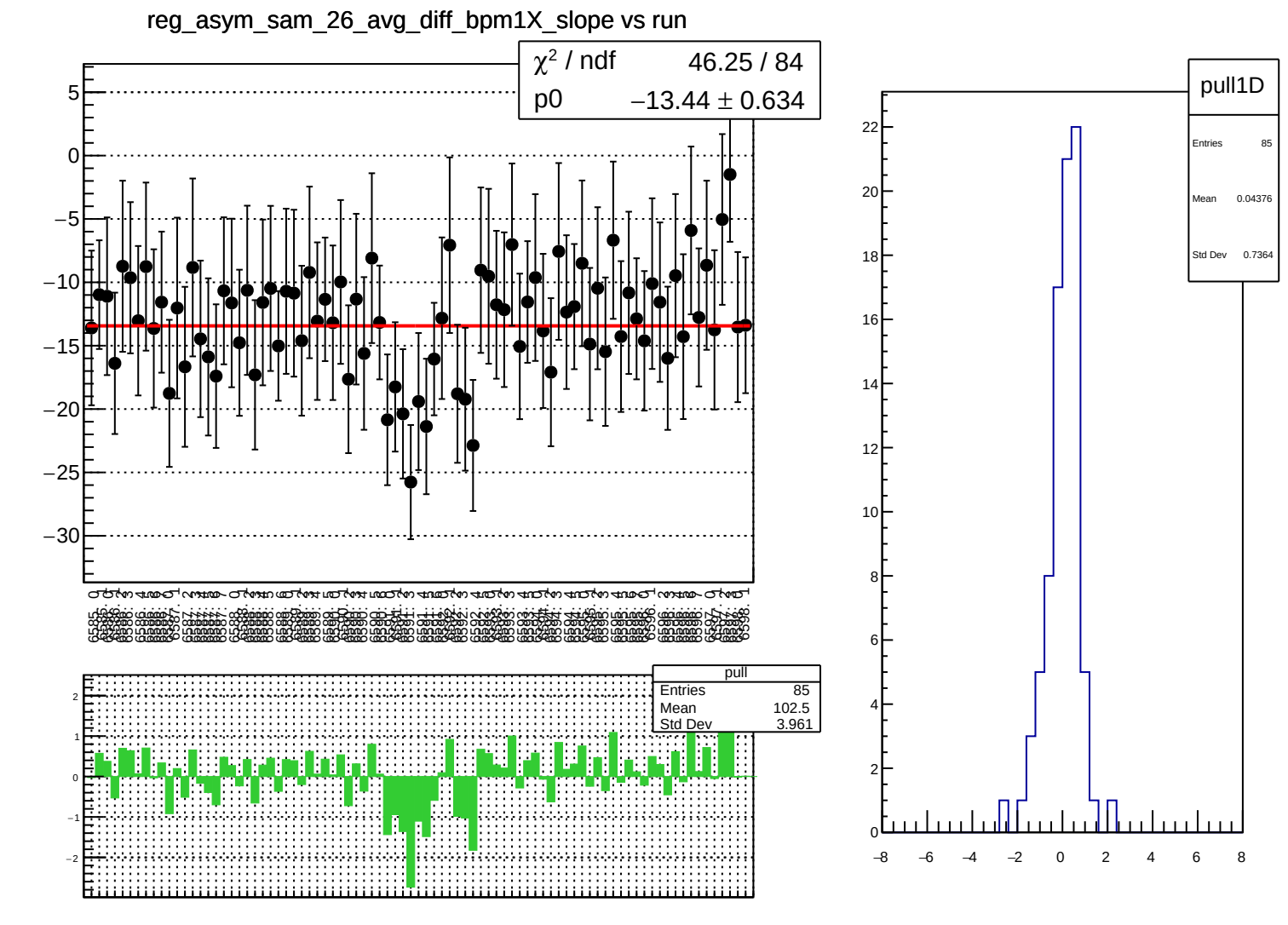

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.07 / 84
p0 −12.8 ± 0.3796
pull
Entries 85
Mean 133.7
Std Dev 71.15
pull1D
Entries 85
Mean −0.0653
Std Dev 0.9983

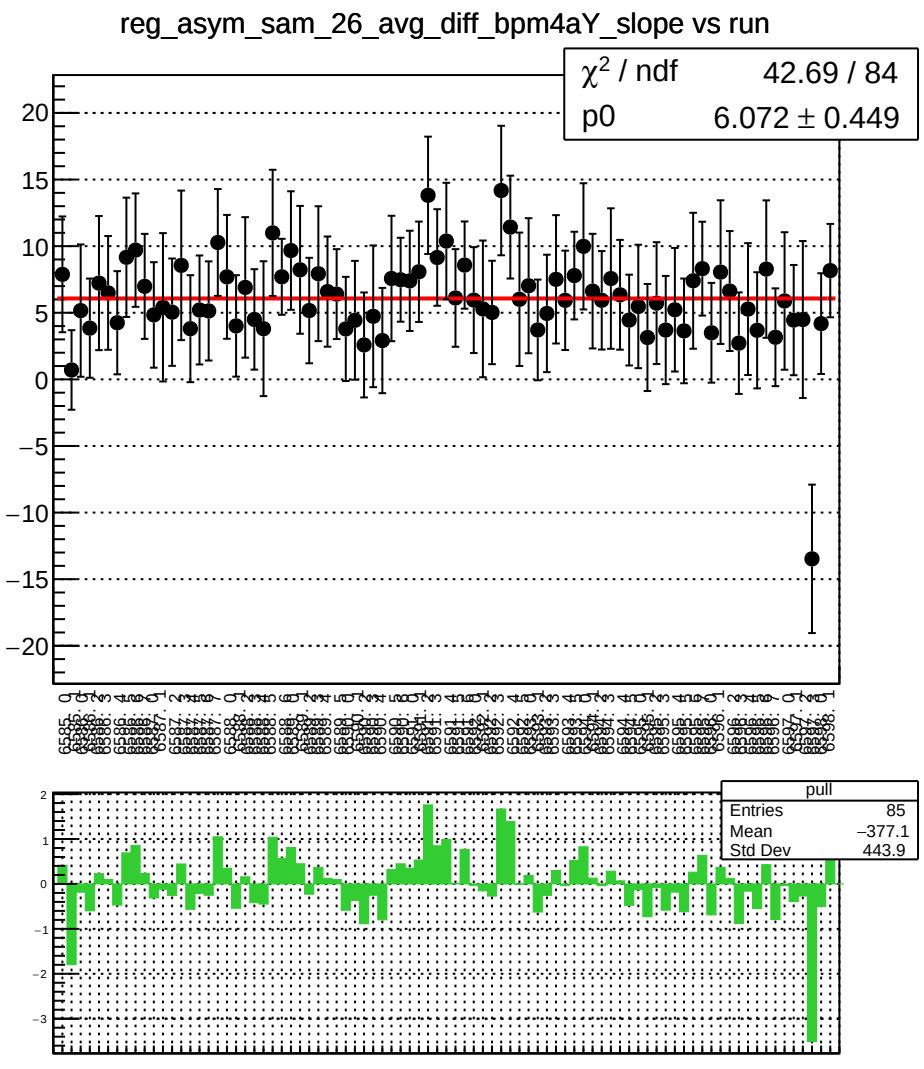

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.27 / 84
p0 21.89 ± 0.3047
pull
Entries 85
Mean −44.68
Std Dev 43.27

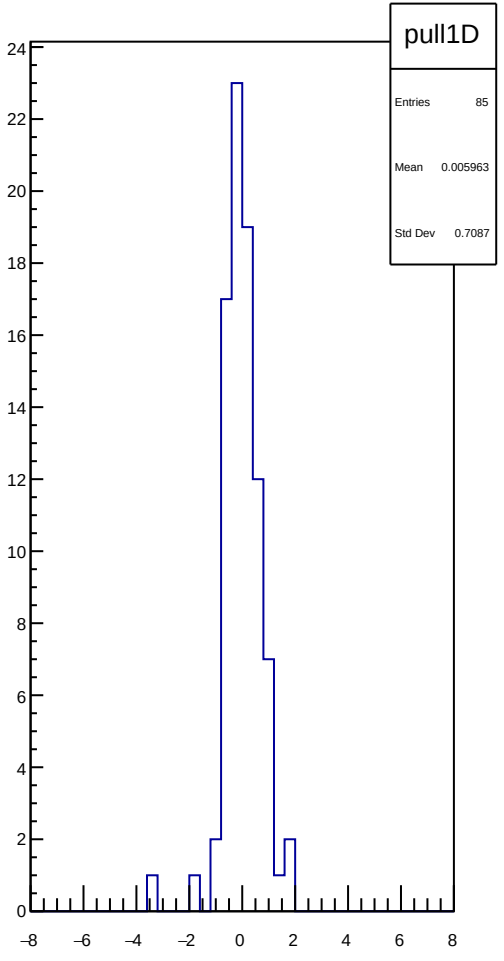

pull1D
Entries 85
Mean 0.01275
Std Dev 0.6709

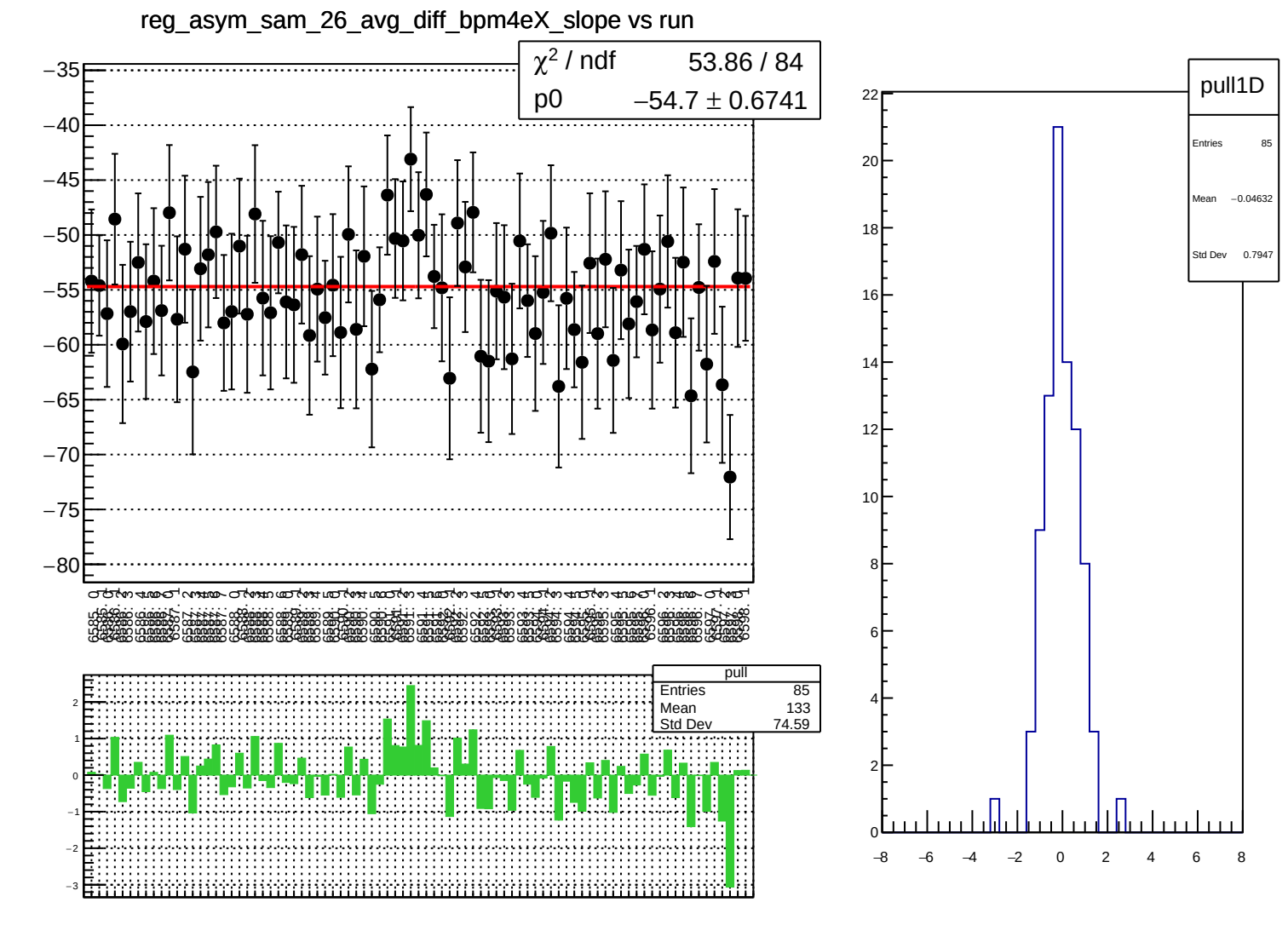

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 29.88 / 84
p0 −0.008739 ± 0.01534
pull
Entries 85
Mean 368.7
Std Dev 323.1

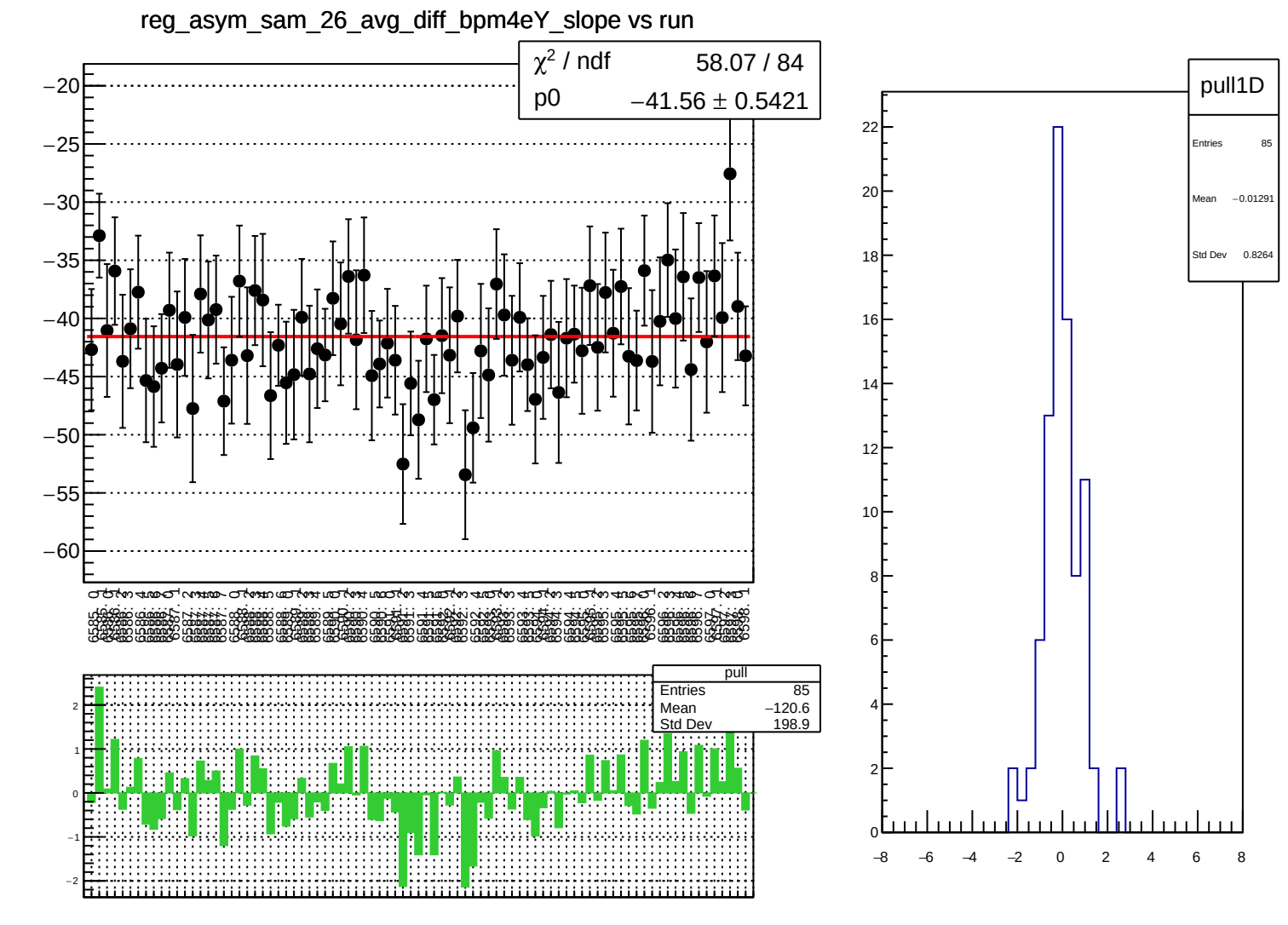

pull1D
Entries 85
Mean −0.01456
Std Dev 0.5927

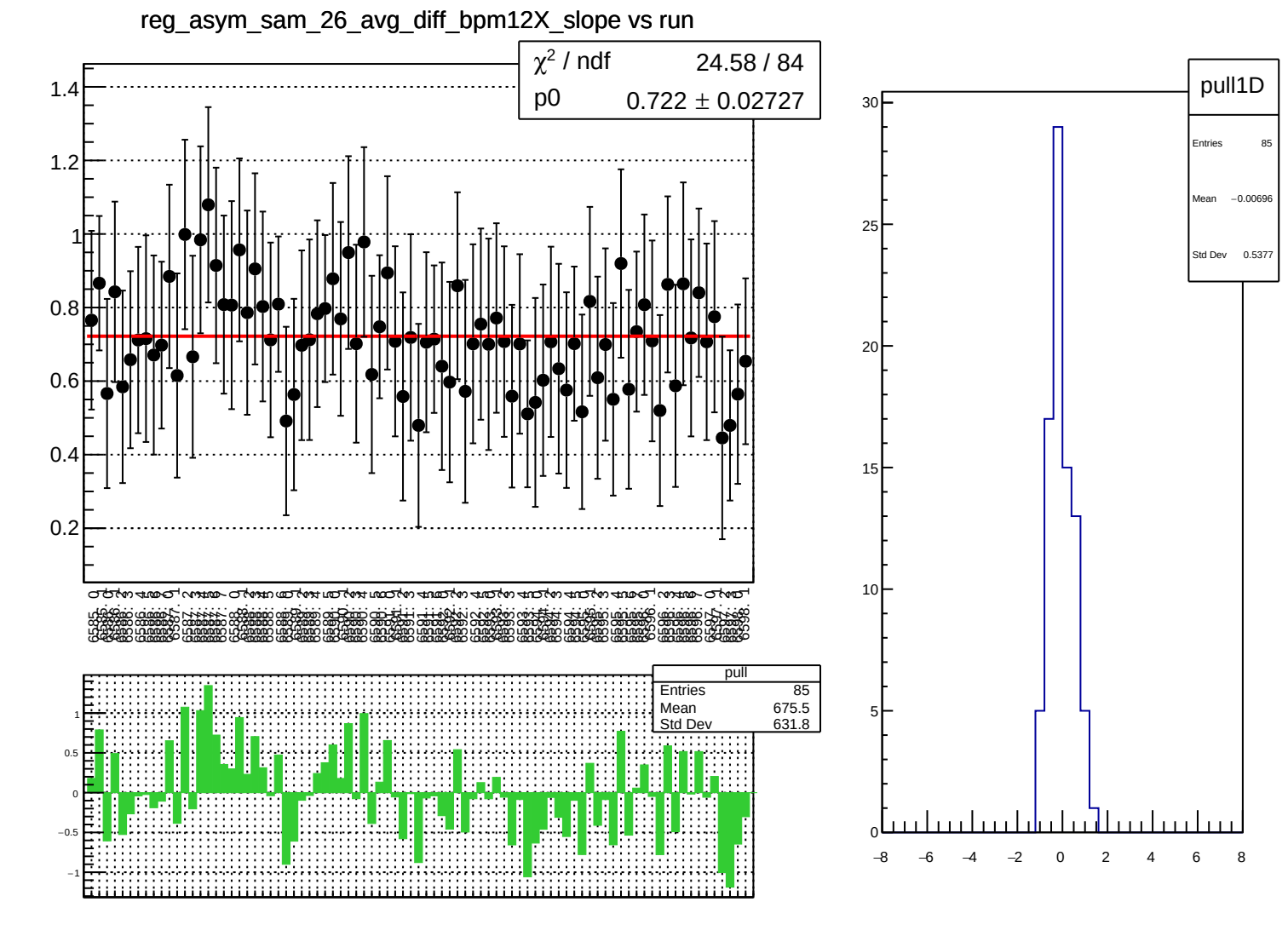

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 46.25 / 84
p0 −13.44 ± 0.634
pull
Entries 85
Mean 102.5
Std Dev 3.961
pull1D
Entries 85
Mean 0.04376
Std Dev 0.7364

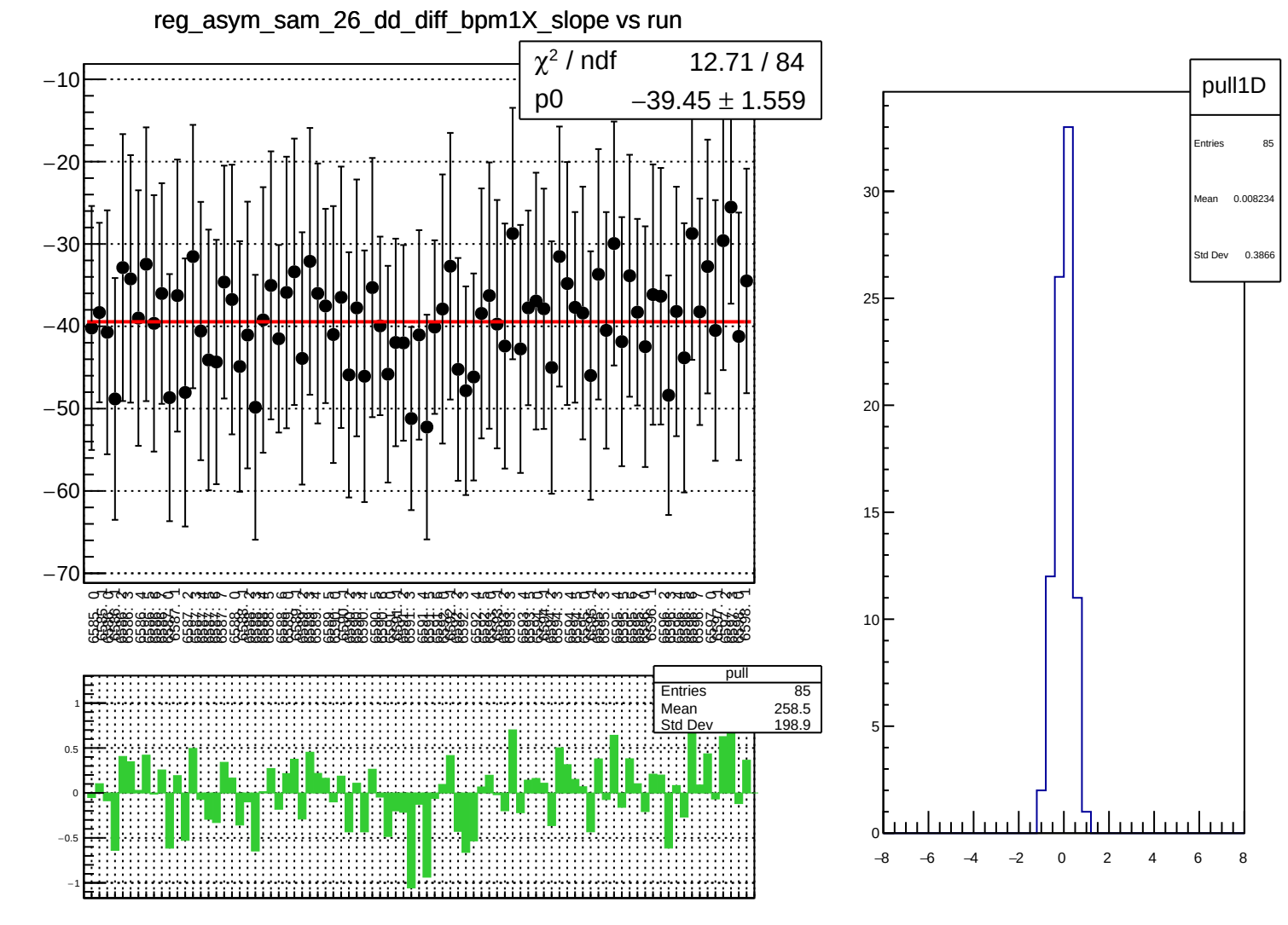

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.69 / 84
p0 6.072 ± 0.449
pull
Entries 85
Mean −377.1
Std Dev 443.9

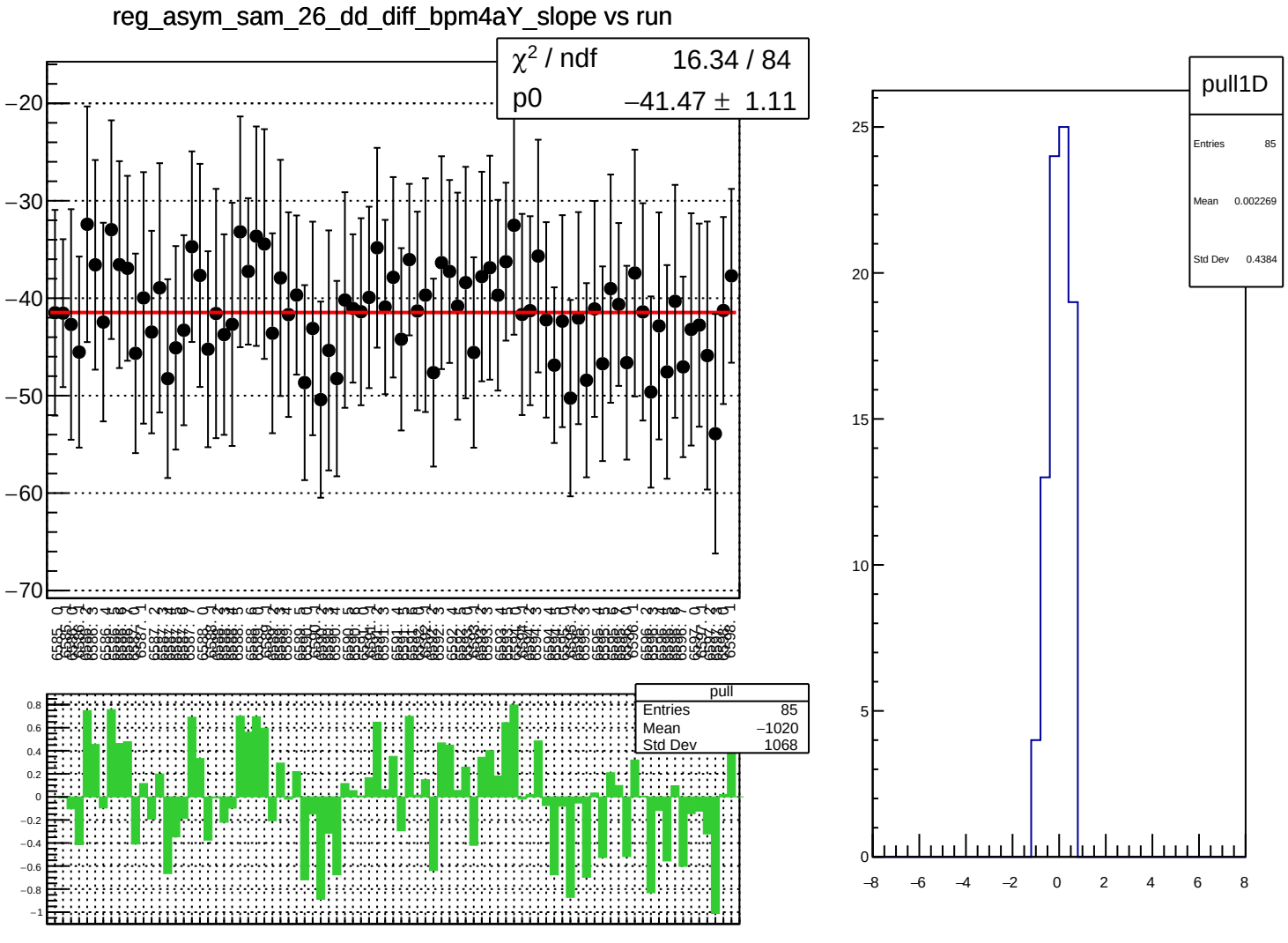

pull1D
Entries 85
Mean 0.005963
Std Dev 0.7087

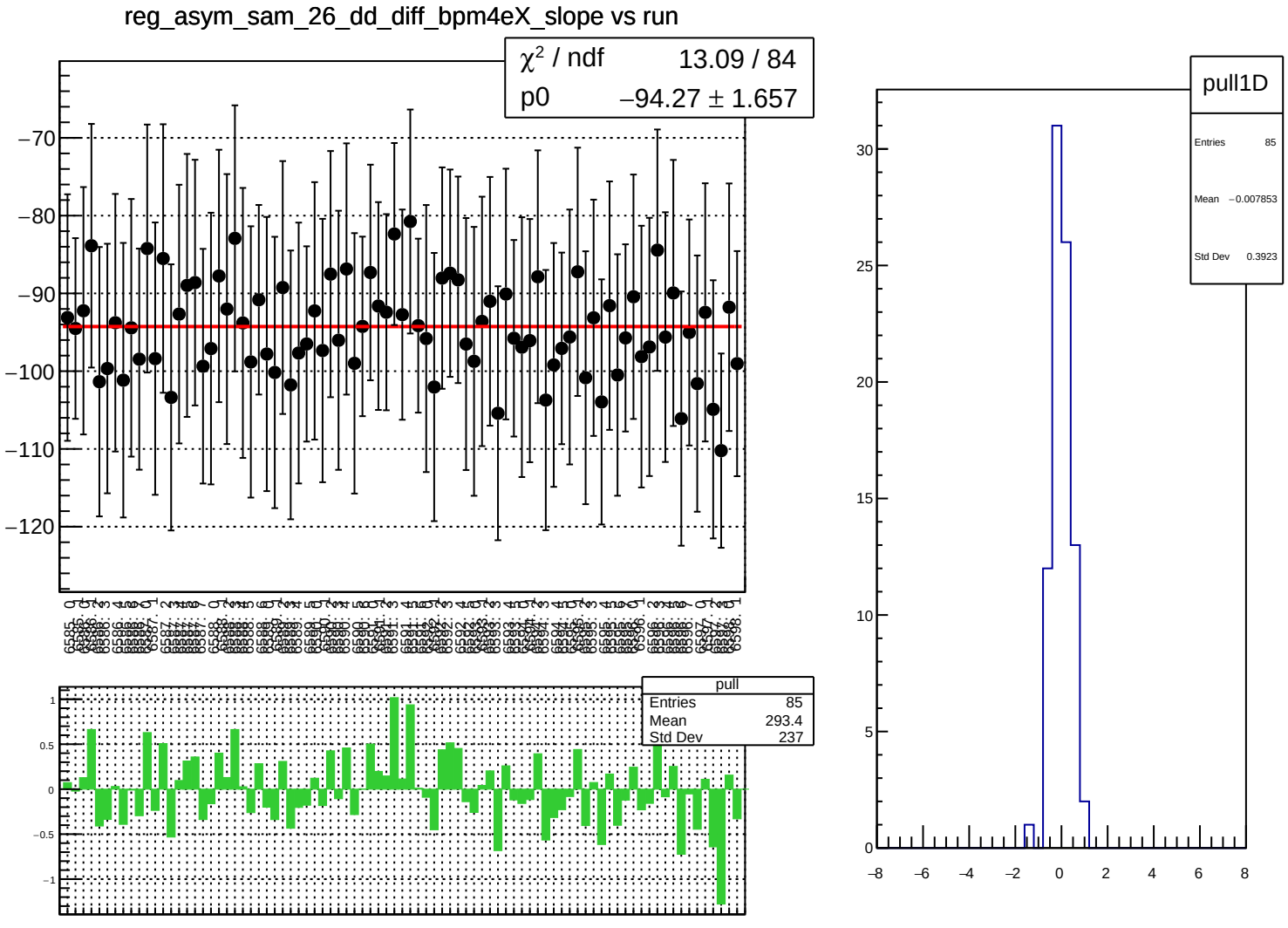

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 53.86 / 84
p0 −54.7 ± 0.6741
pull
Entries 85
Mean 133
Std Dev 74.59
pull1D
Entries 85
Mean −0.04632
Std Dev 0.7947

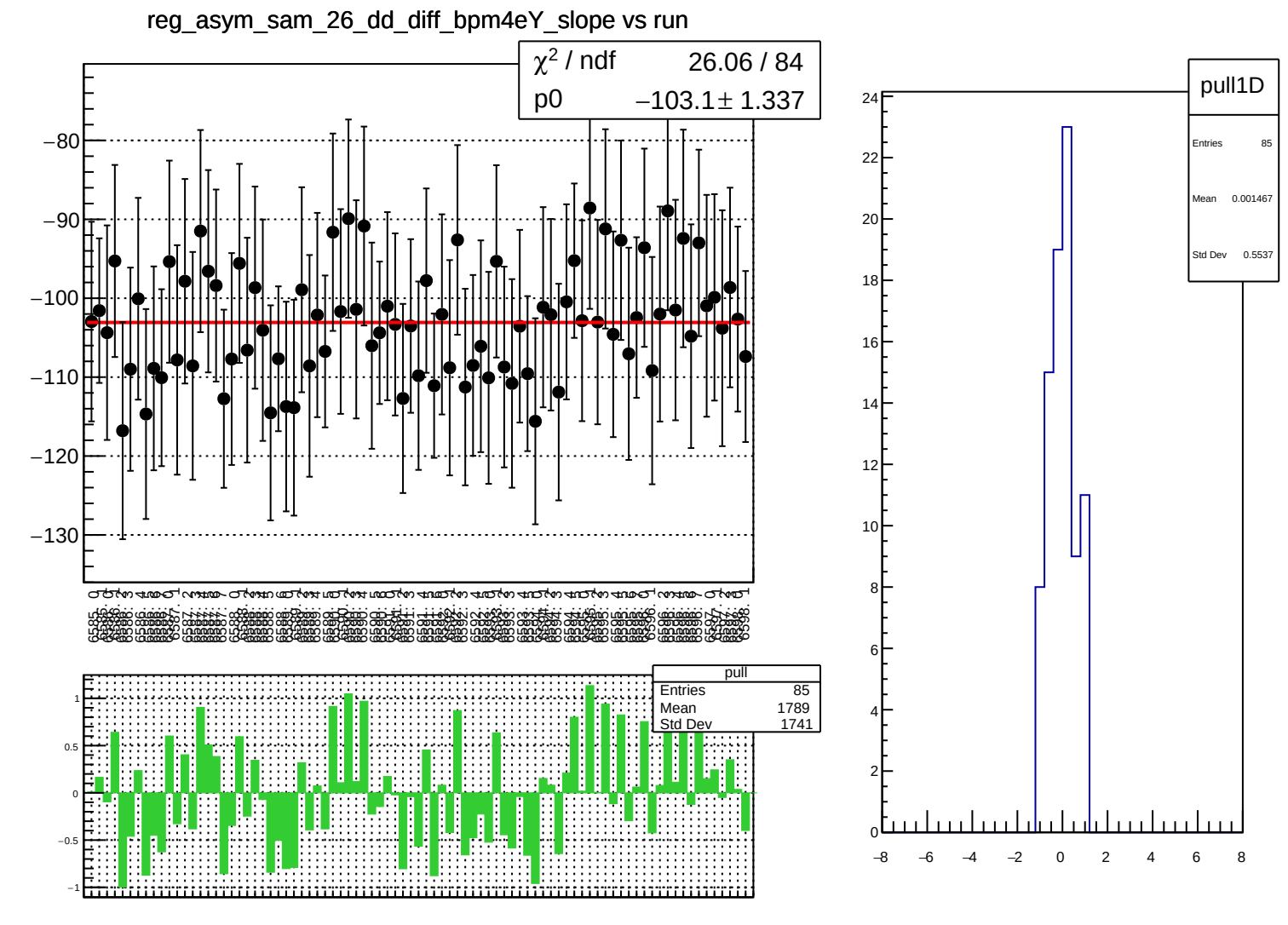

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 58.07 / 84
p0 −41.56 ± 0.5421
pull
Entries 85
Mean −120.6
Std Dev 198.9
pull1D
Entries 85
Mean −0.01291
Std Dev 0.8264

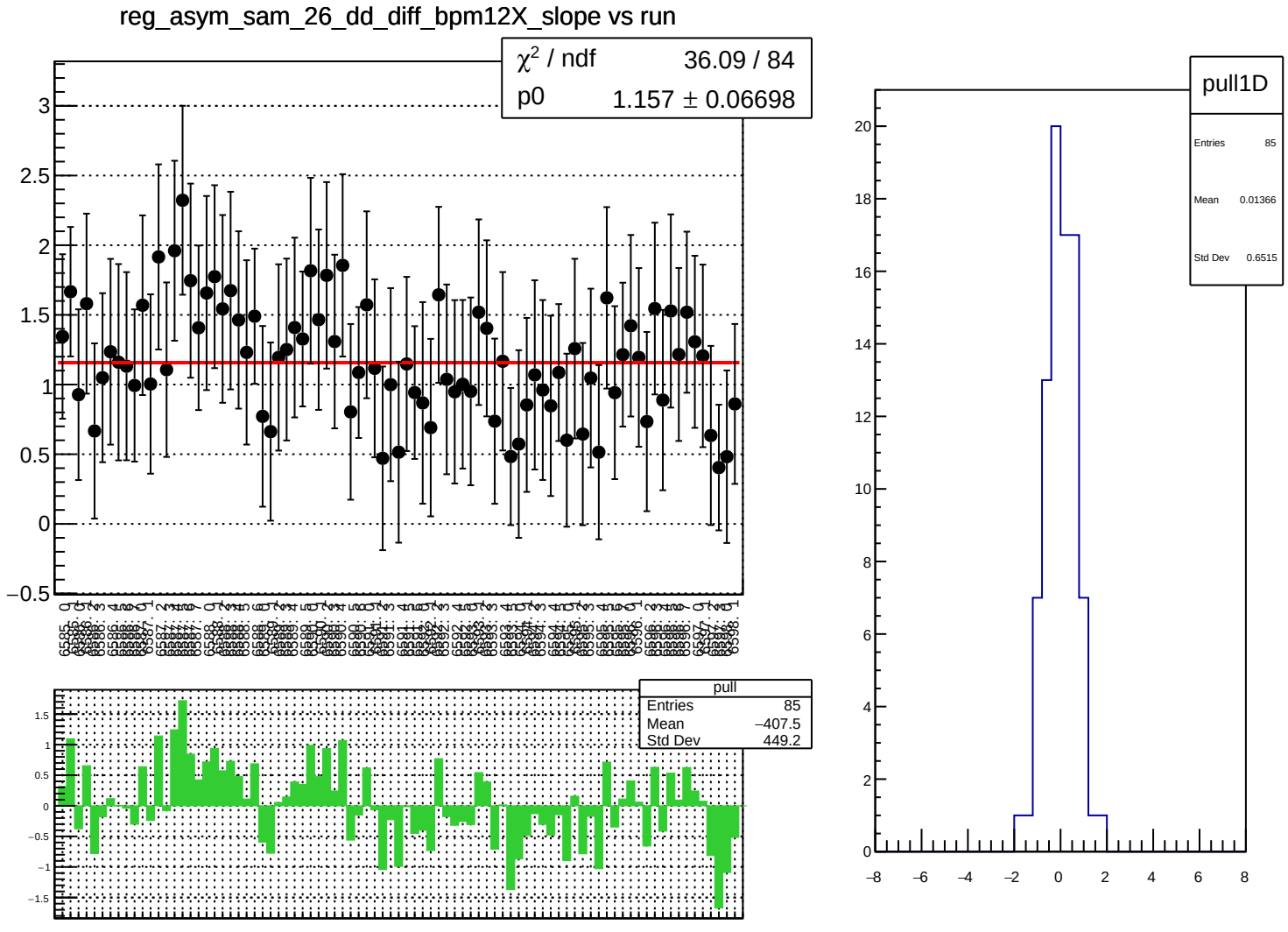

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 24.58 / 84
p0 0.722 ± 0.02727
pull
Entries 85
Mean 675.5
Std Dev 631.8
pull1D
Entries 85
Mean −0.00696
Std Dev 0.5377

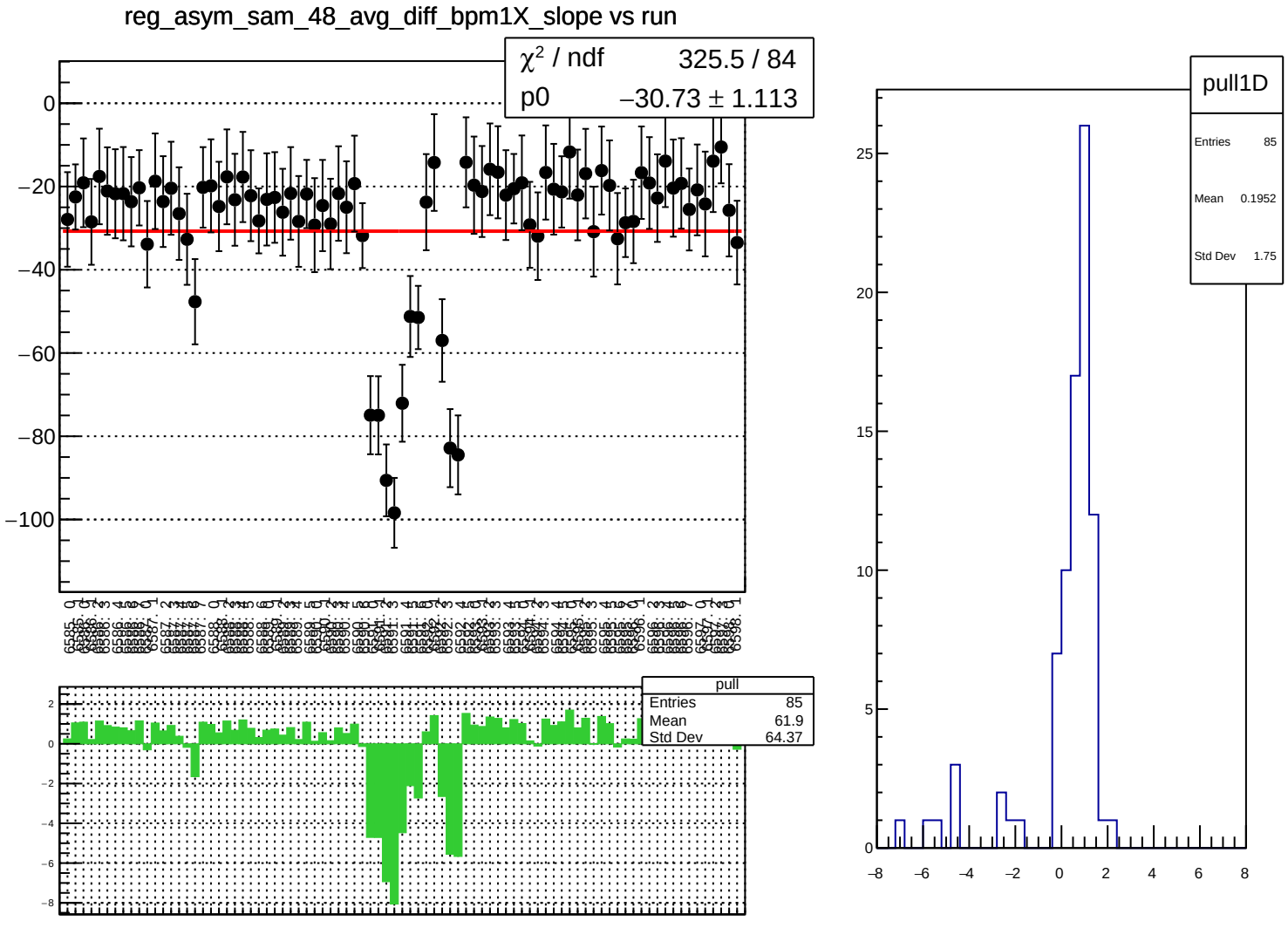

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 12.71 / 84
p0 −39.45 ± 1.559
pull
Entries 85
Mean 258.5
Std Dev 198.9
pull1D
Entries 85
Mean 0.008234
Std Dev 0.3866

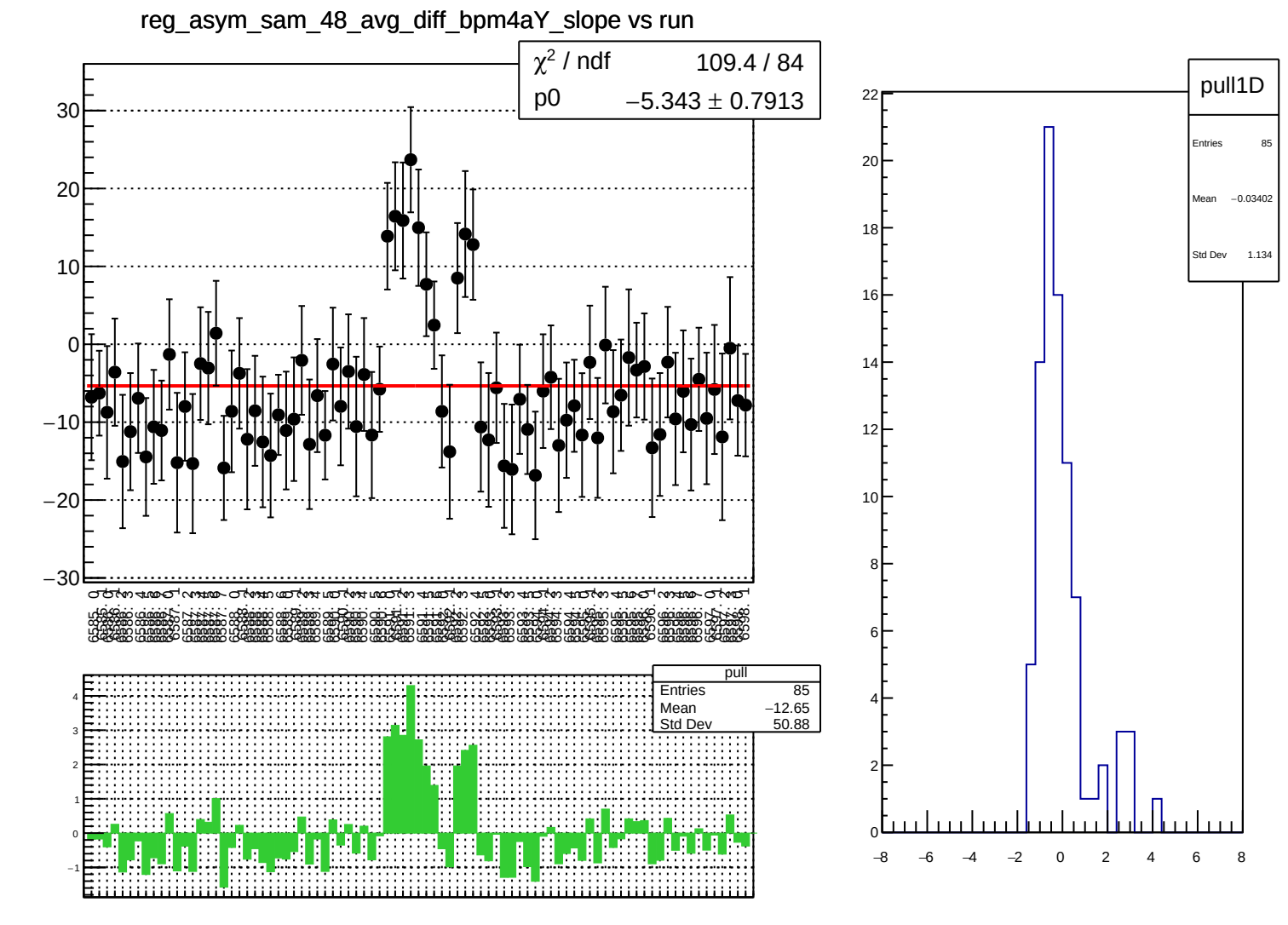

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.34 / 84
p0 −41.47 ± 1.11
pull
Entries 85
Mean −1020
Std Dev 1068
pull1D
Entries 85
Mean 0.002269
Std Dev 0.4384

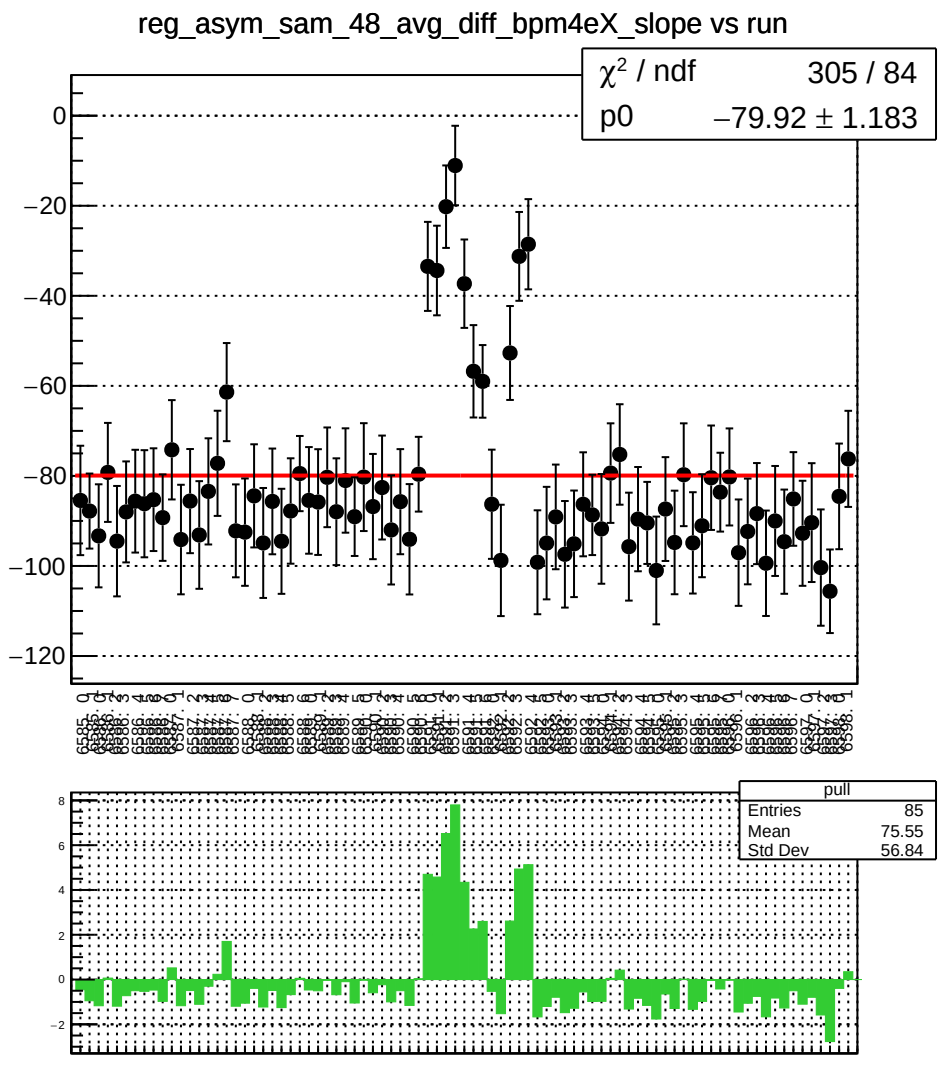

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.09 / 84
p0 −94.27 ± 1.657
−70
−80
−90
−100
−110
−120
pull
Entries 85
Mean 293.4
Std Dev 237
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean −0.007853
Std Dev 0.3923
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

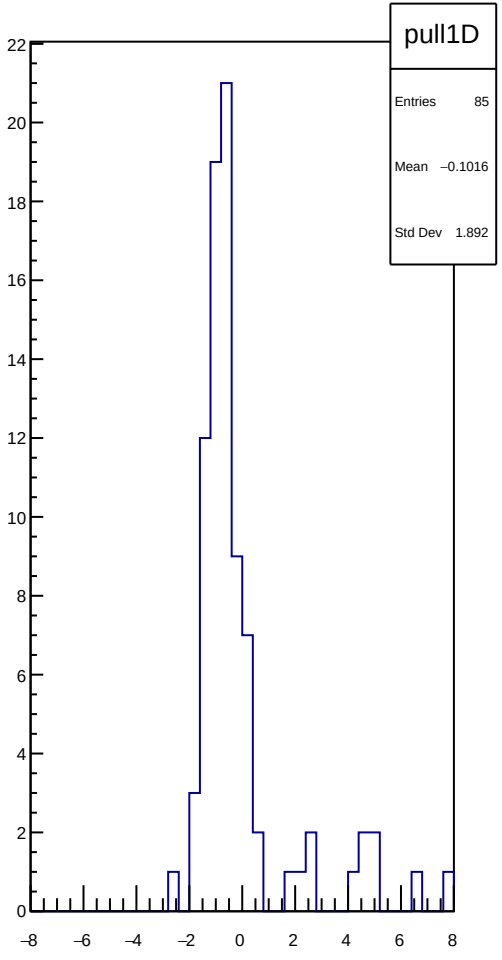

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.06 / 84
p0 −103.1± 1.337
pull
Entries 85
Mean 1789
Std Dev 1741
pull1D
Entries 85
Mean 0.001467
Std Dev 0.5537

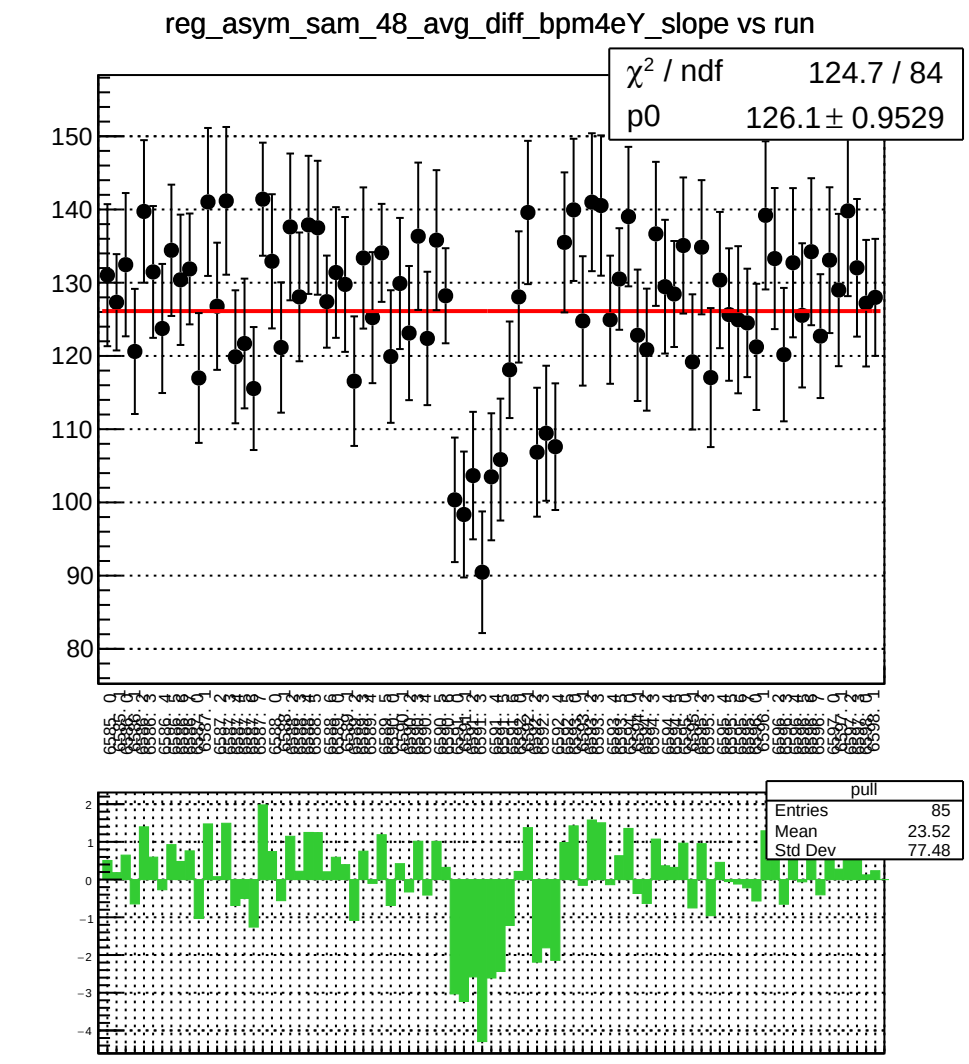

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 36.09 / 84
p0 1.157 ± 0.06698
pull
Entries 85
Mean −407.5
Std Dev 449.2
pull1D
Entries 85
Mean 0.01366
Std Dev 0.6515

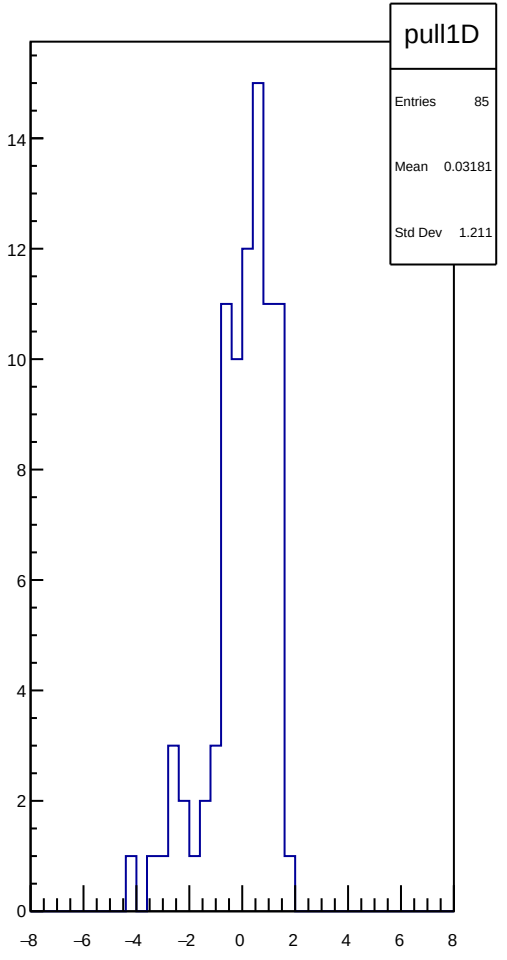

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 325.5 / 84
p0 −30.73 ± 1.113
pull
Entries 85
Mean 61.9
Std Dev 64.37
pull1D
Entries 85
Mean 0.1952
Std Dev 1.75

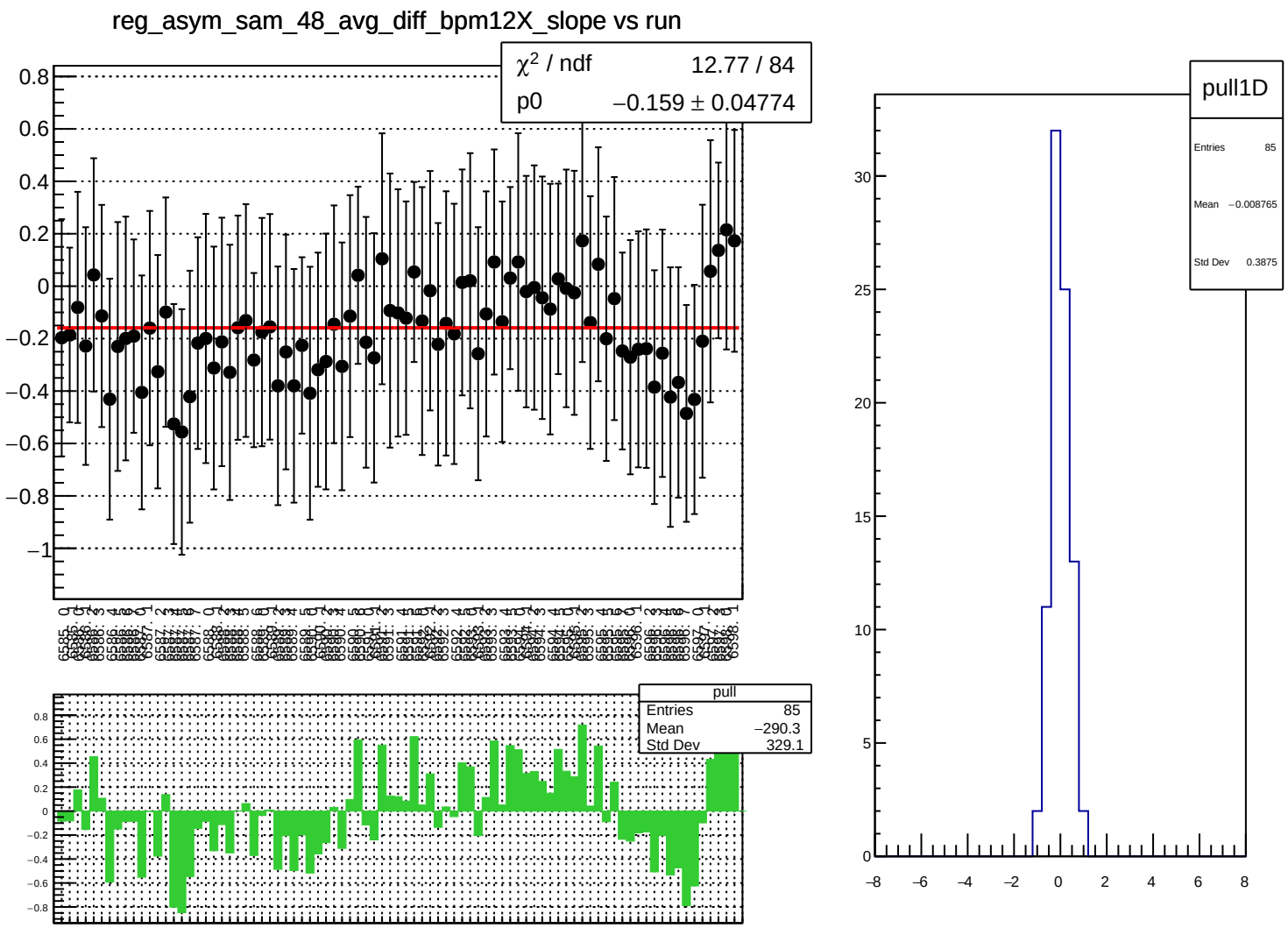

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 109.4 / 84
p0 −5.343 ± 0.7913
pull
Entries 85
Mean −12.65
Std Dev 50.88
pull1D
Entries 85
Mean −0.03402
Std Dev 1.134

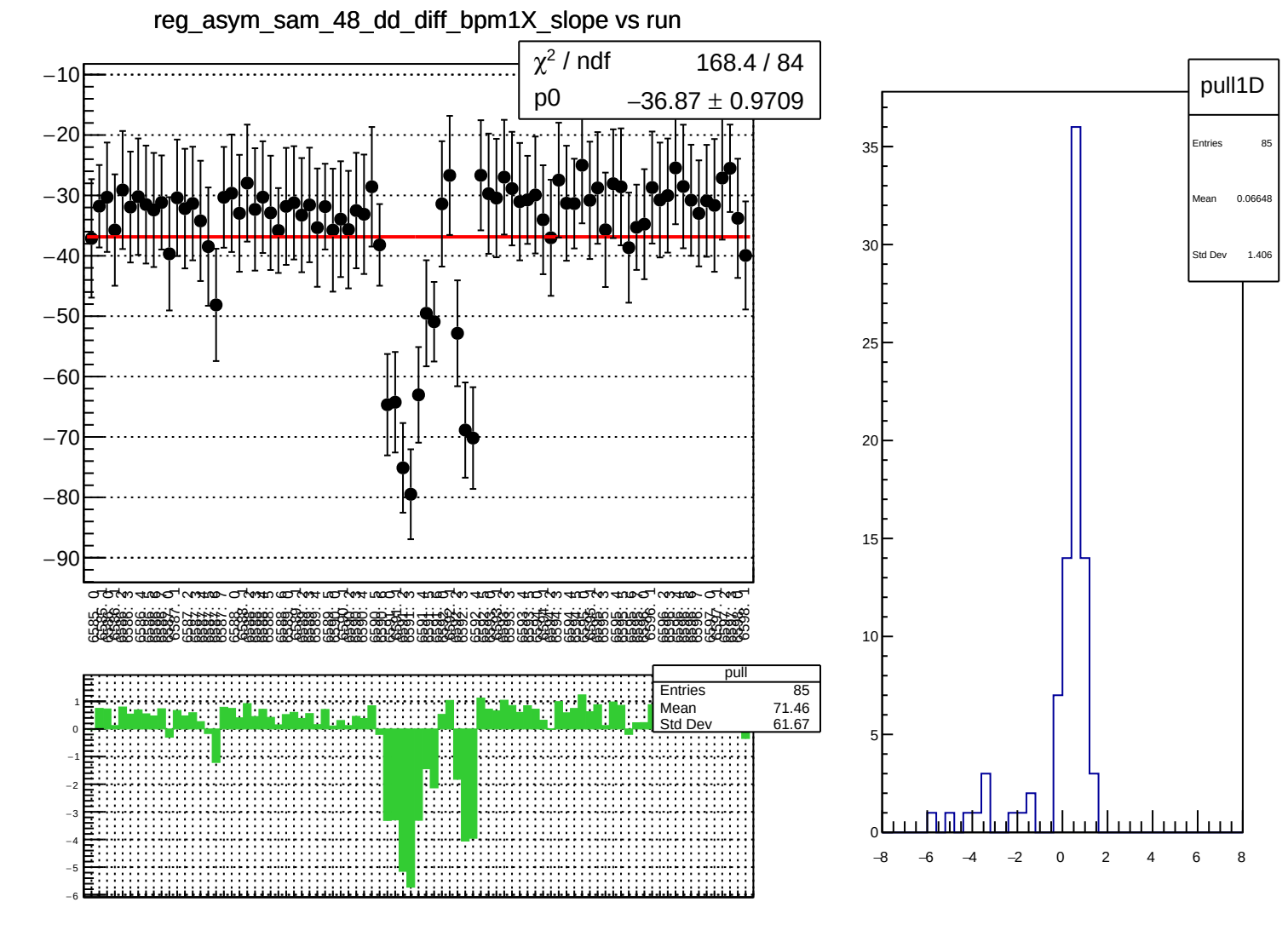

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 305 / 84
p0 −79.92 ± 1.183
pull
Entries 85
Mean 75.55
Std Dev 56.84

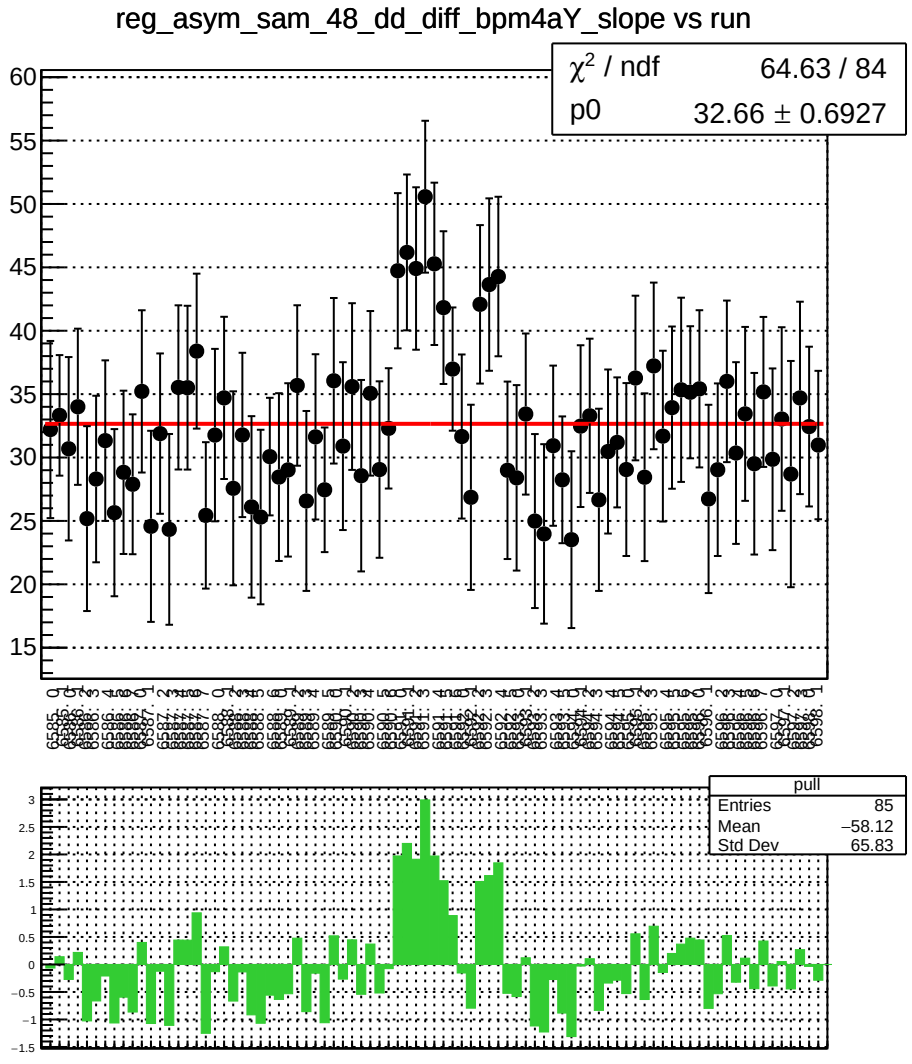

pull1D
Entries 85
Mean −0.1016
Std Dev 1.892

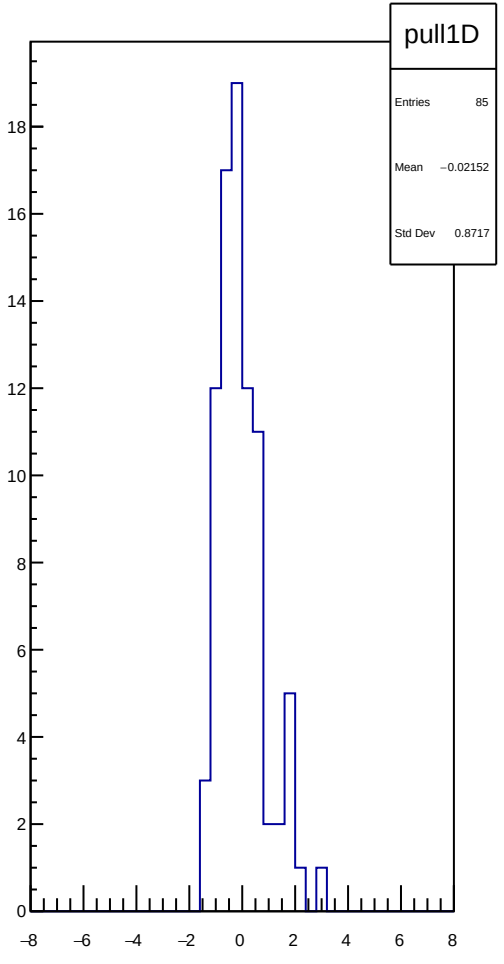

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 124.7 / 84
p0 126.1 ± 0.9529
150
140
130
120
110
100
90
80
pull
Entries 85
Mean 23.52
Std Dev 77.48
2
1
0
−1
−2
−3
−4

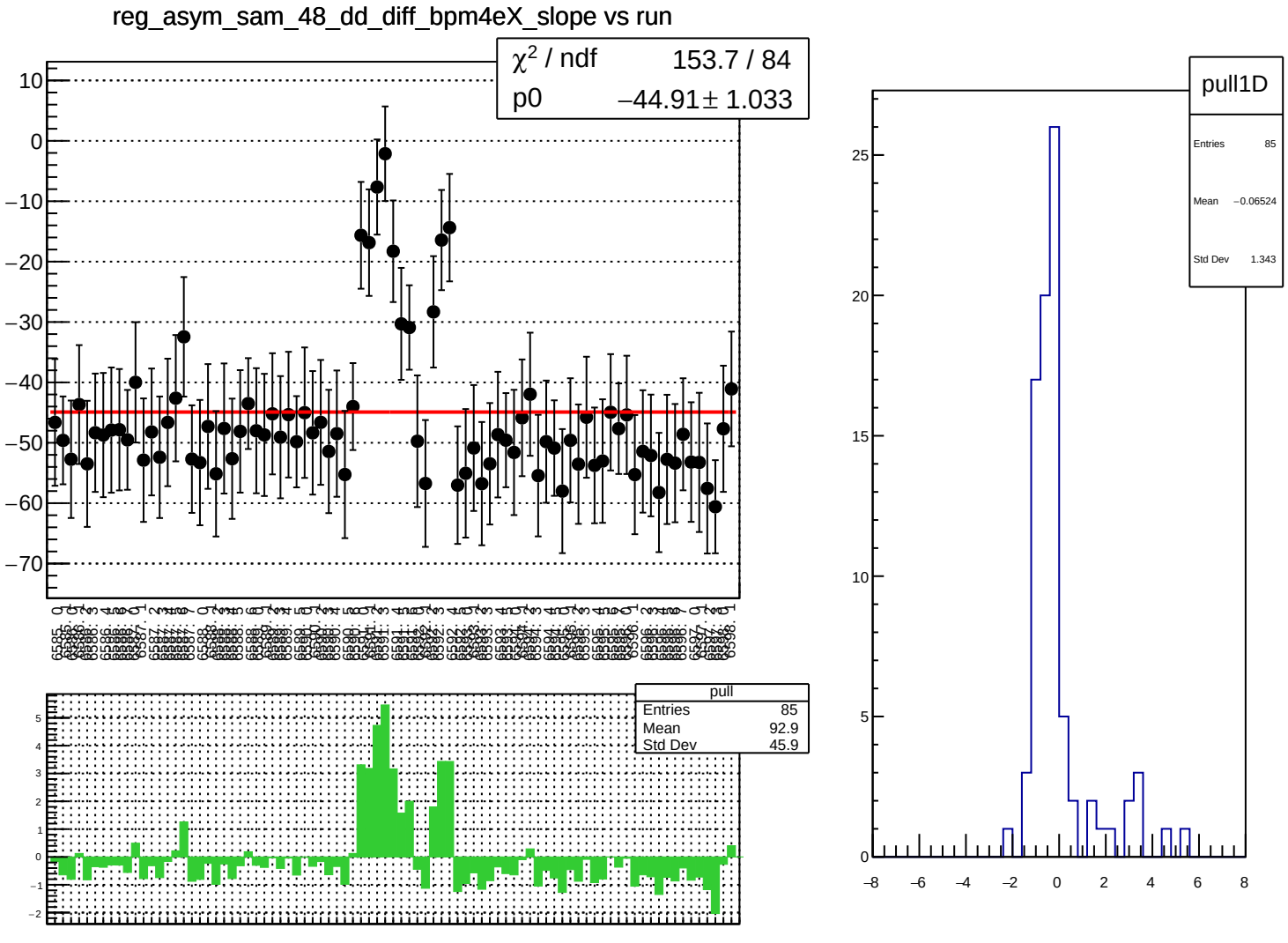

pull1D
Entries 85
Mean 0.03181
Std Dev 1.211
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

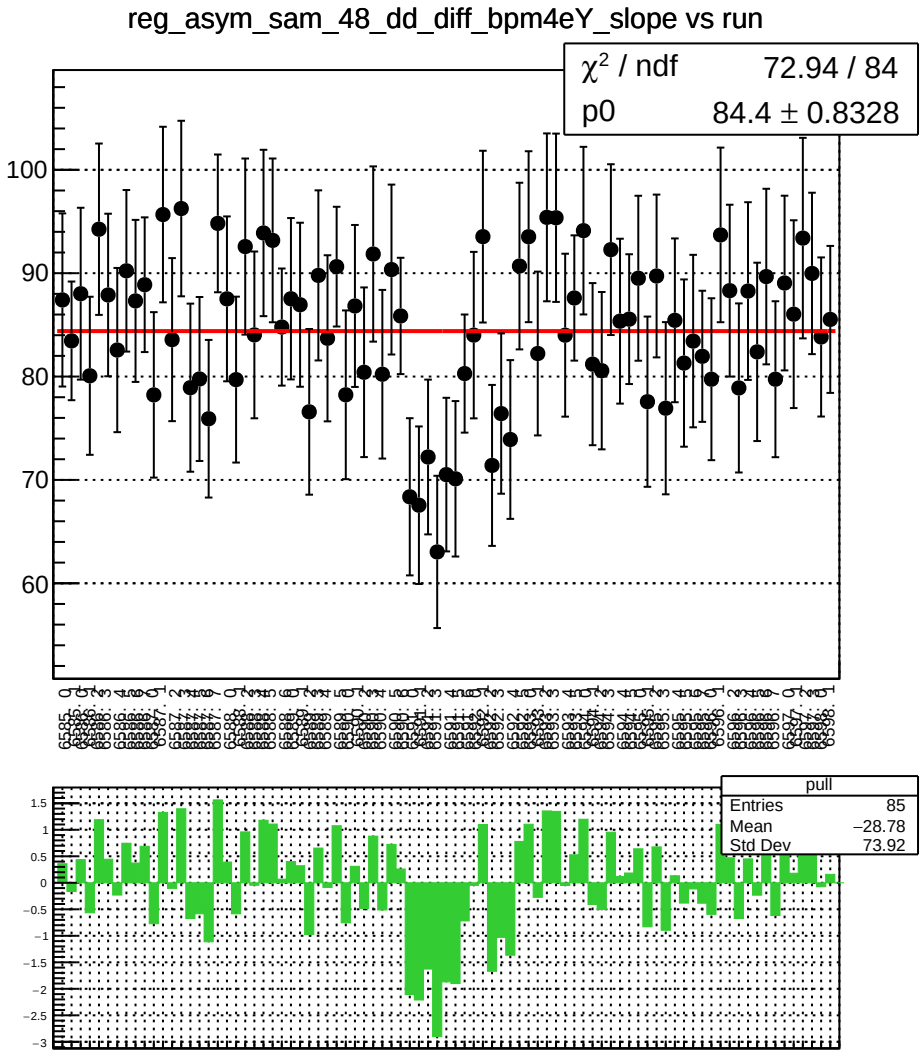

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 12.77 / 84
p0 −0.159 ± 0.04774
pull
Entries 85
Mean −290.3
Std Dev 329.1
pull1D
Entries 85
Mean −0.008765
Std Dev 0.3875

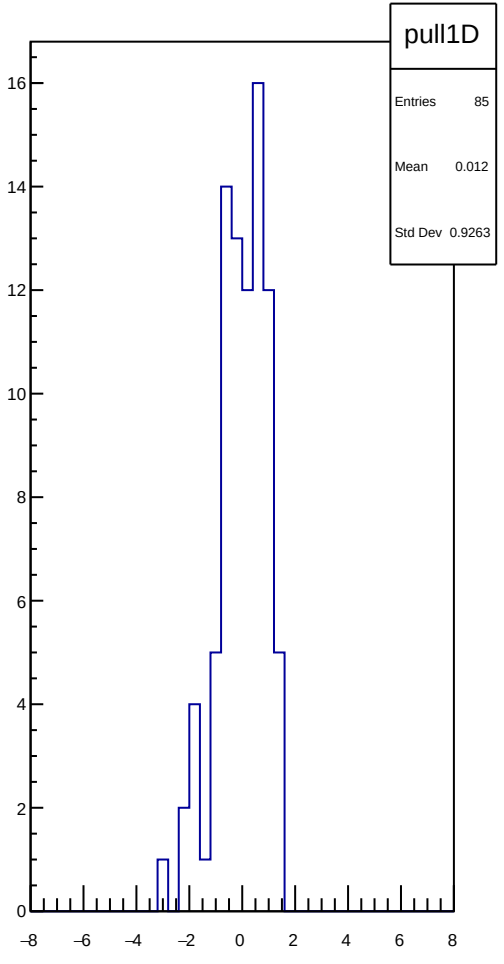

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 168.4 / 84
p0 −36.87 ± 0.9709
pull
Entries 85
Mean 71.46
Std Dev 61.67
pull1D
Entries 85
Mean 0.06648
Std Dev 1.406

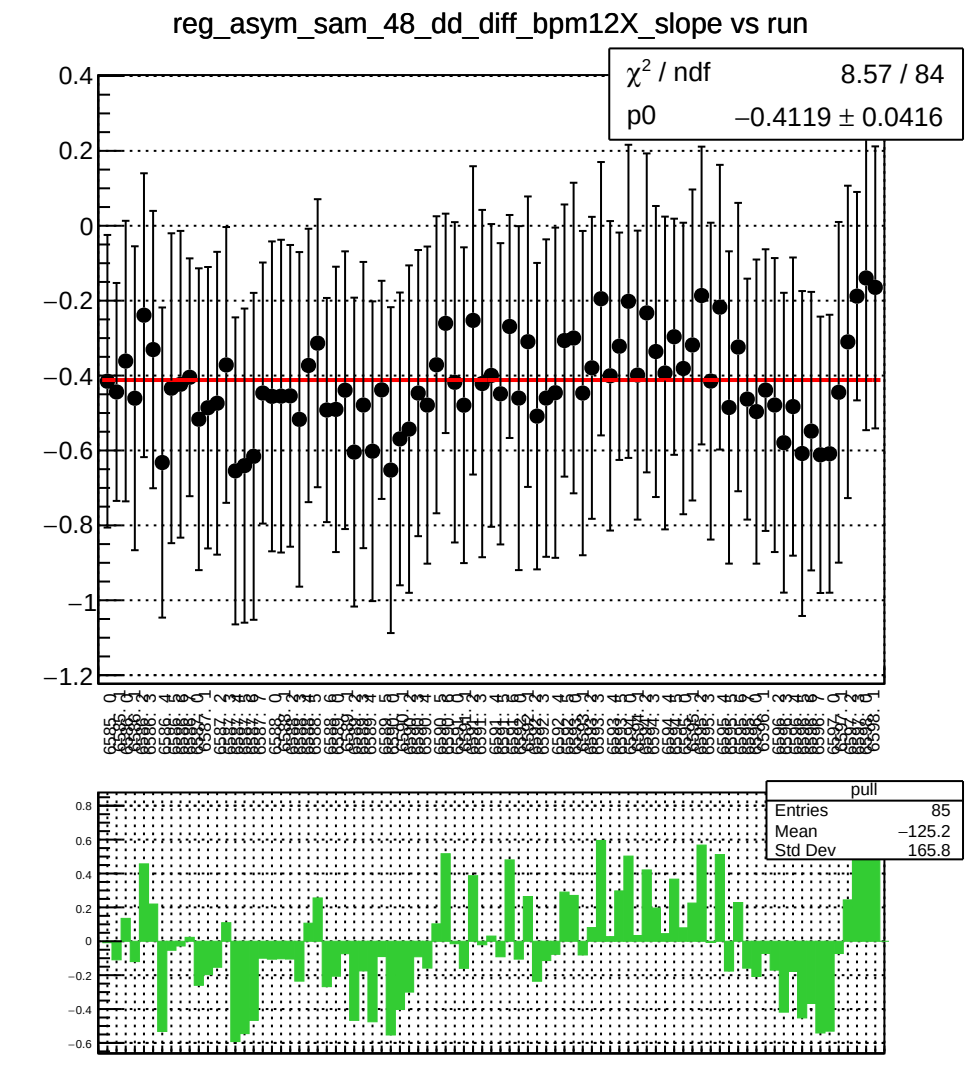

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 64.63 / 84
p0 32.66 ± 0.6927
pull
Entries 85
Mean −58.12
Std Dev 65.83

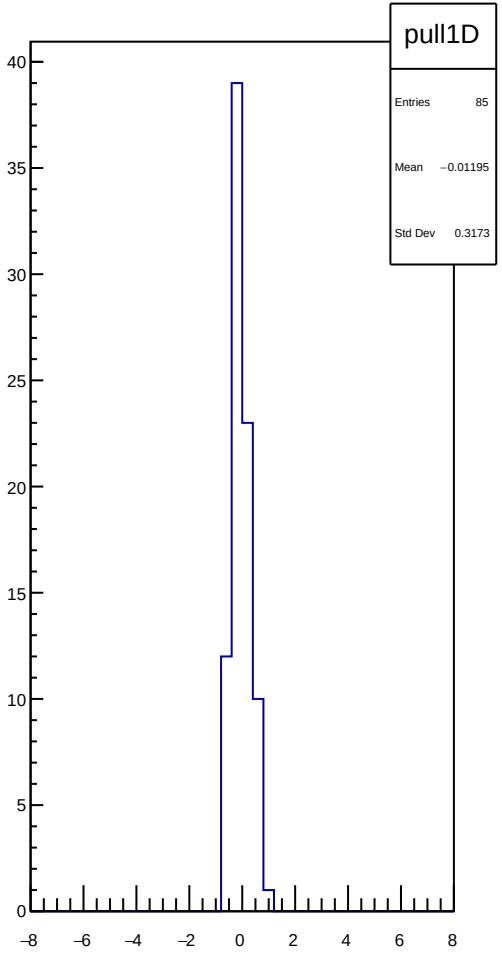

pull1D
Entries 85
Mean −0.02152
Std Dev 0.8717

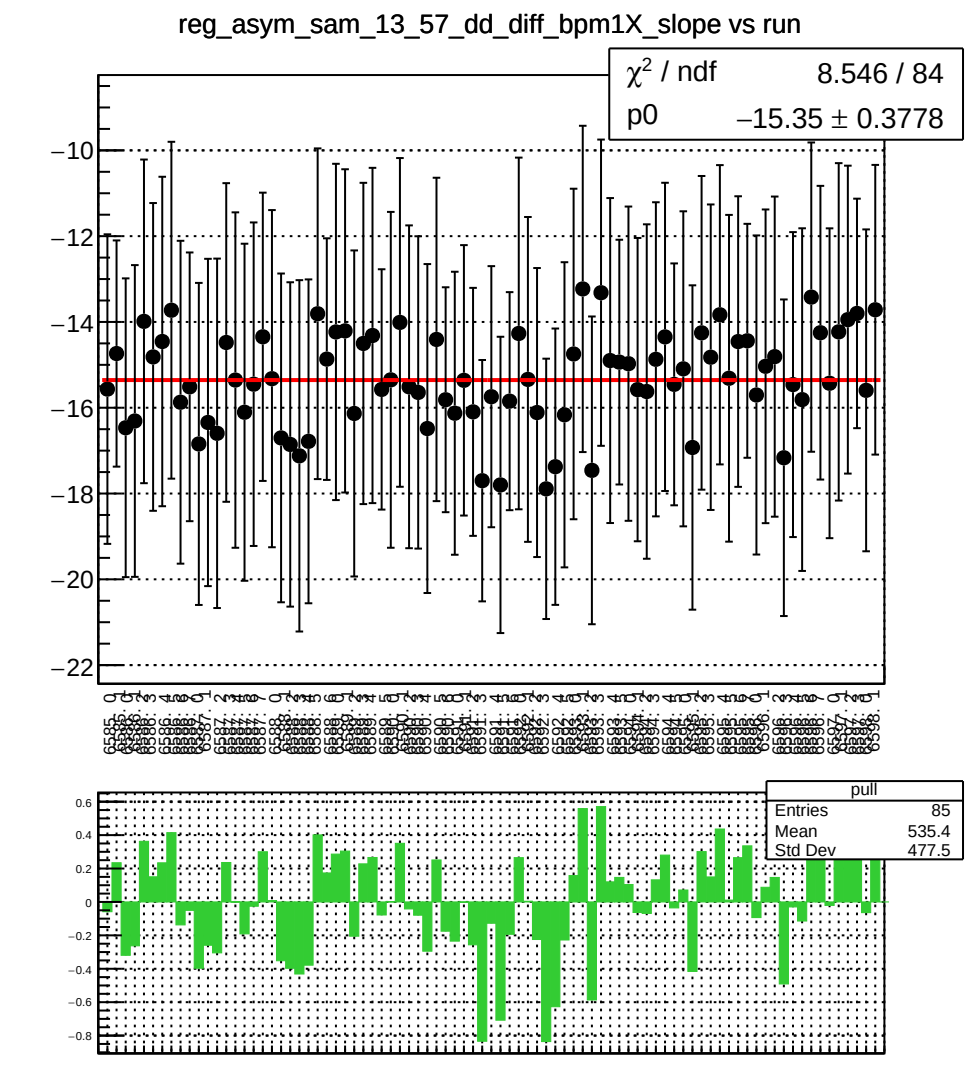

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 153.7 / 84
p0 −44.91 ± 1.033
pull
Entries 85
Mean 92.9
Std Dev 45.9
pull1D
Entries 85
Mean −0.06524
Std Dev 1.343

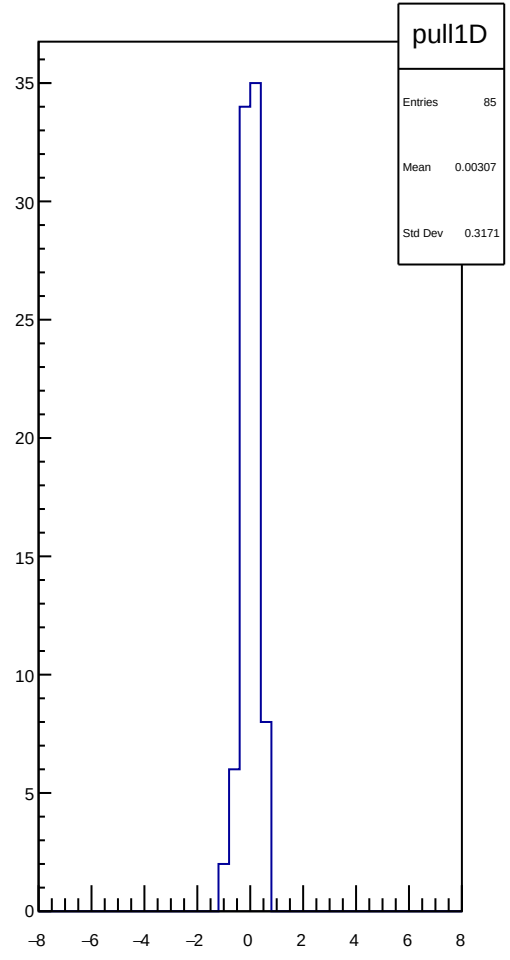

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 72.94 / 84
p0 84.4 ± 0.8328
100
90
80
70
60
pull
Entries 85
Mean −28.78
Std Dev 73.92
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

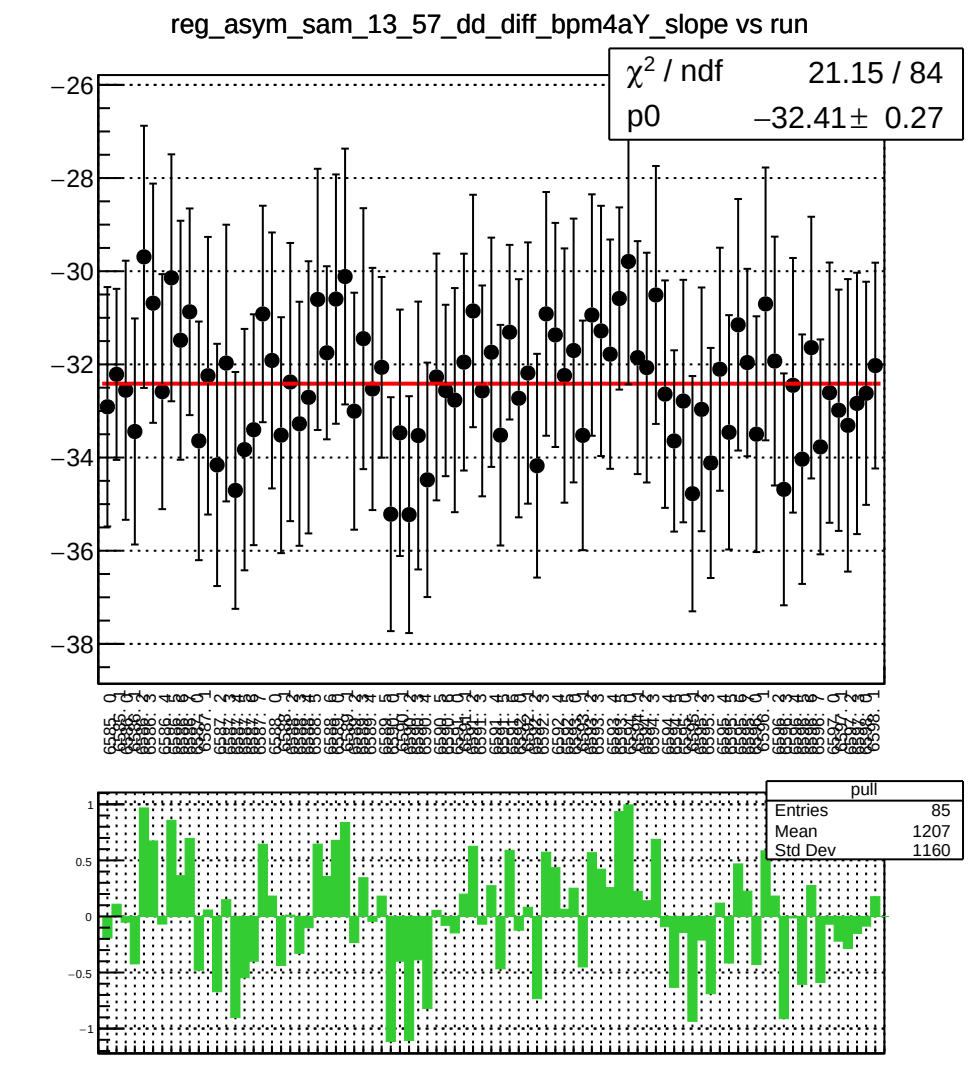

pull1D
Entries 85
Mean 0.012
Std Dev 0.9263
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

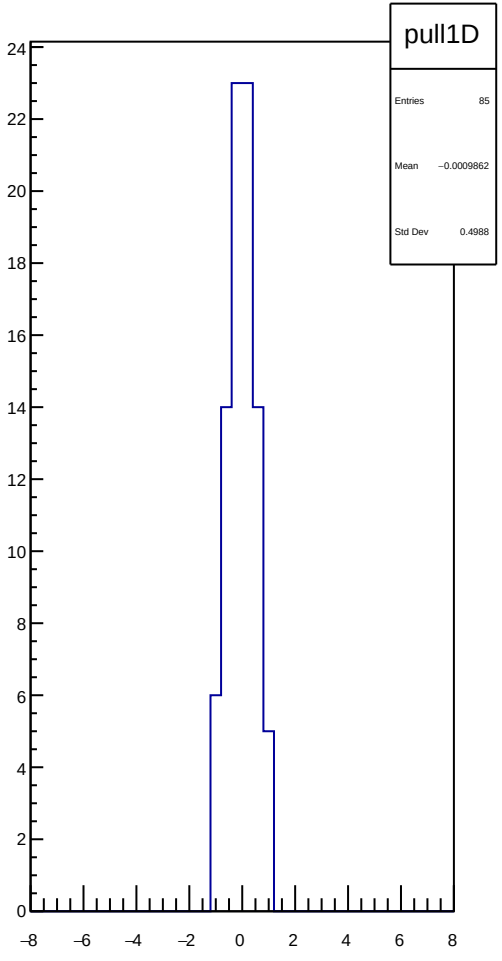

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 8.57 / 84
p0 −0.4119 ± 0.0416
pull
Entries 85
Mean −125.2
Std Dev 165.8

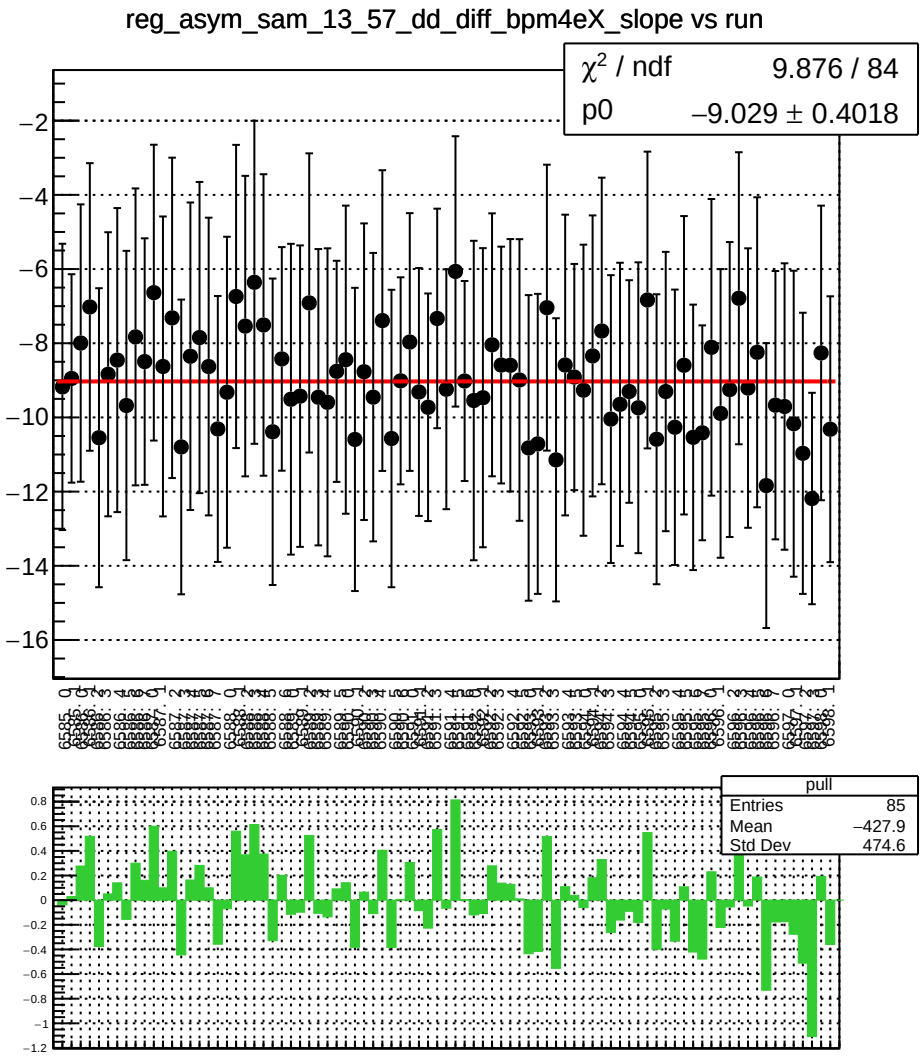

pull1D
Entries 85
Mean −0.01195
Std Dev 0.3173

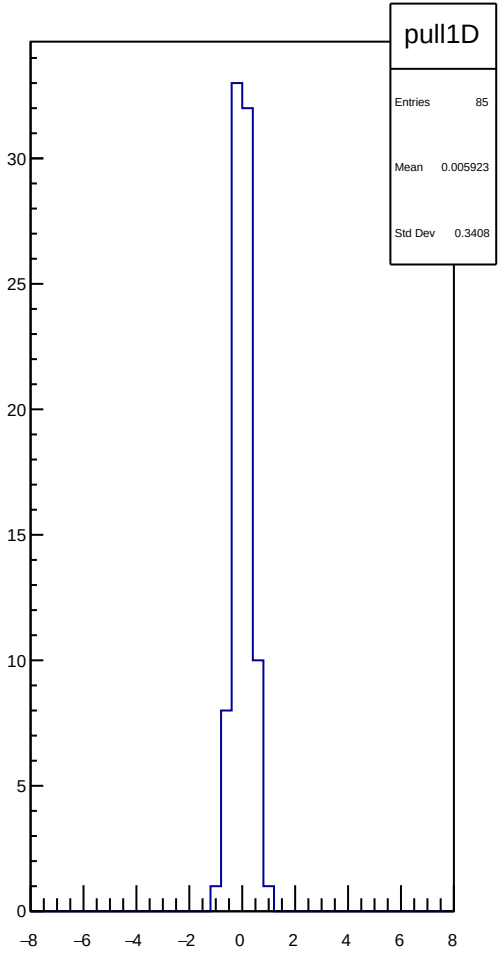

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 8.546 / 84
p0 −15.35 ± 0.3778
pull
Entries 85
Mean 535.4
Std Dev 477.5

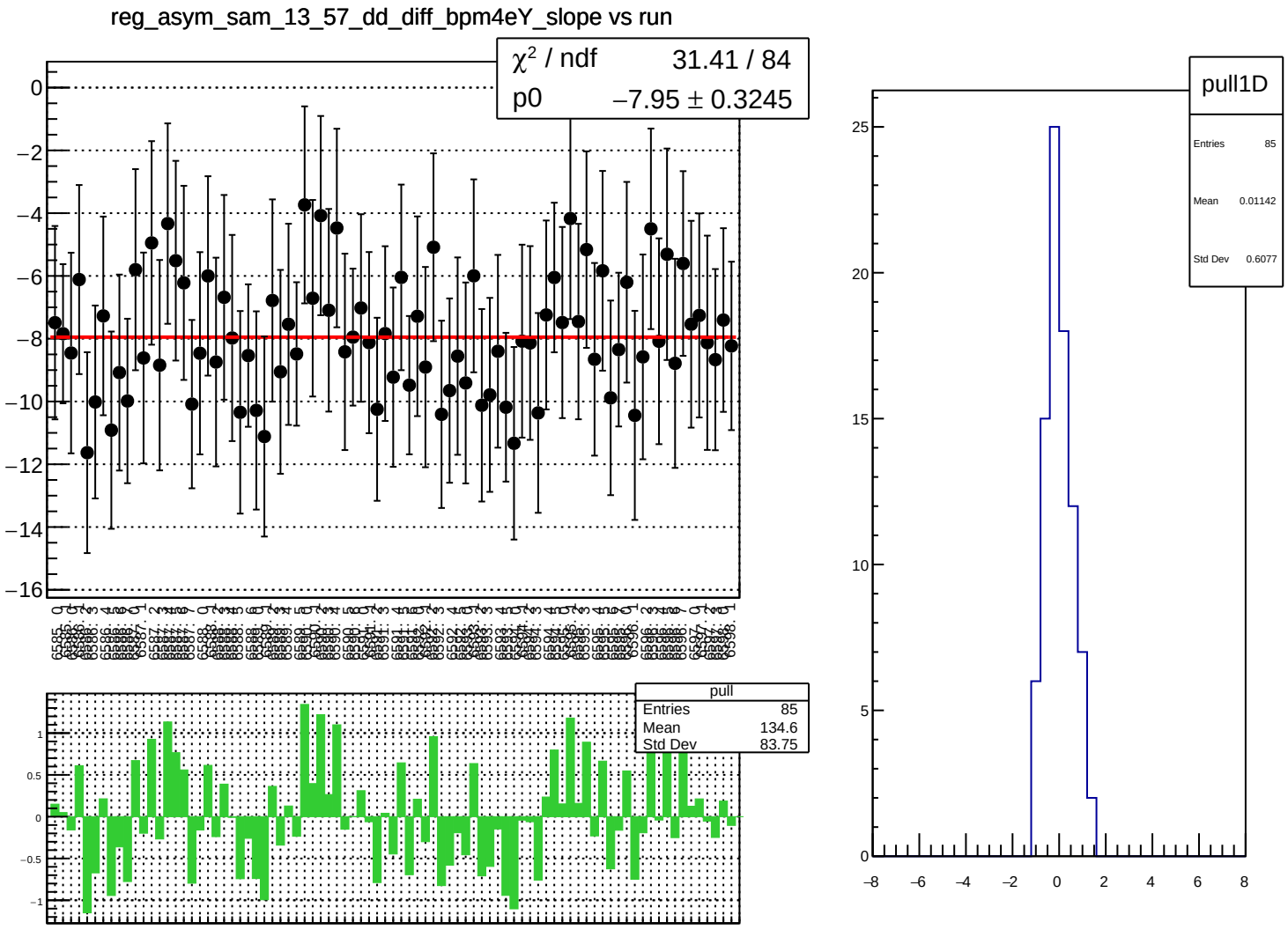

pull1D
Entries 85
Mean 0.00307
Std Dev 0.3171

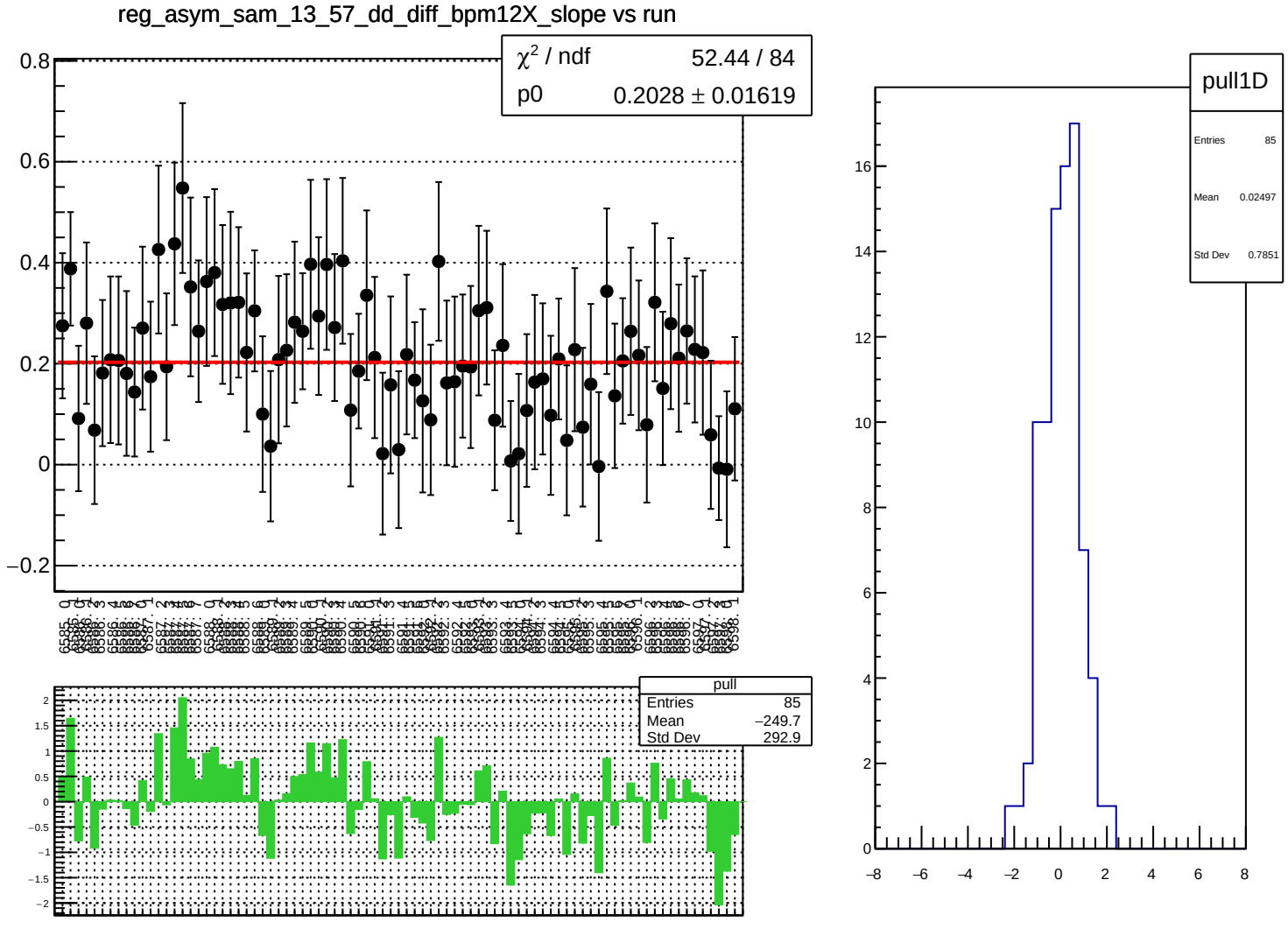

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.15 / 84
p0 −32.41± 0.27
pull
Entries 85
Mean 1207
Std Dev 1160

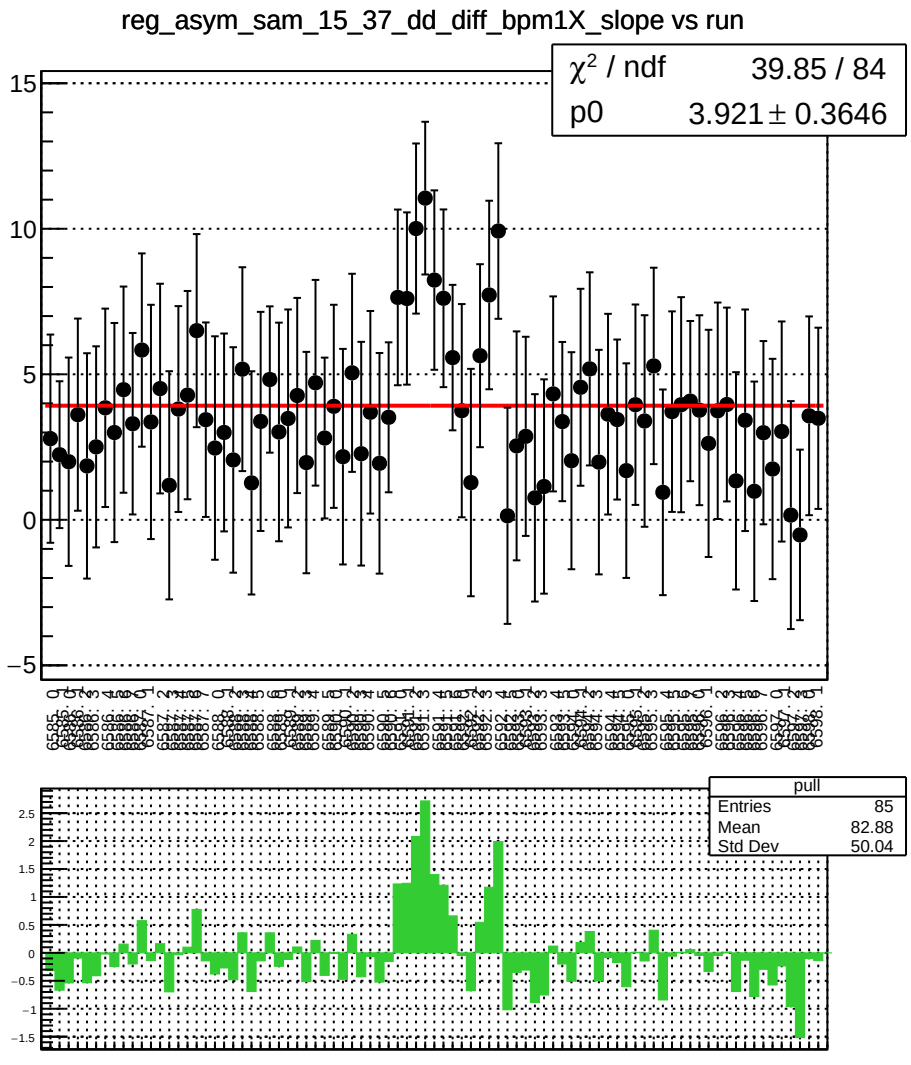

pull1D
Entries 85
Mean −0.0009862
Std Dev 0.4988

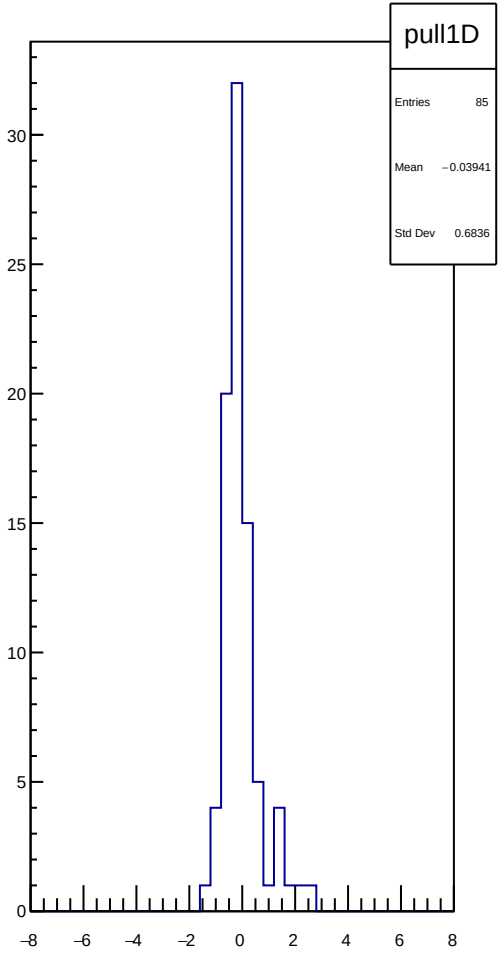

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.876 / 84
p0 −9.029 ± 0.4018
pull
Entries 85
Mean −427.9
Std Dev 474.6

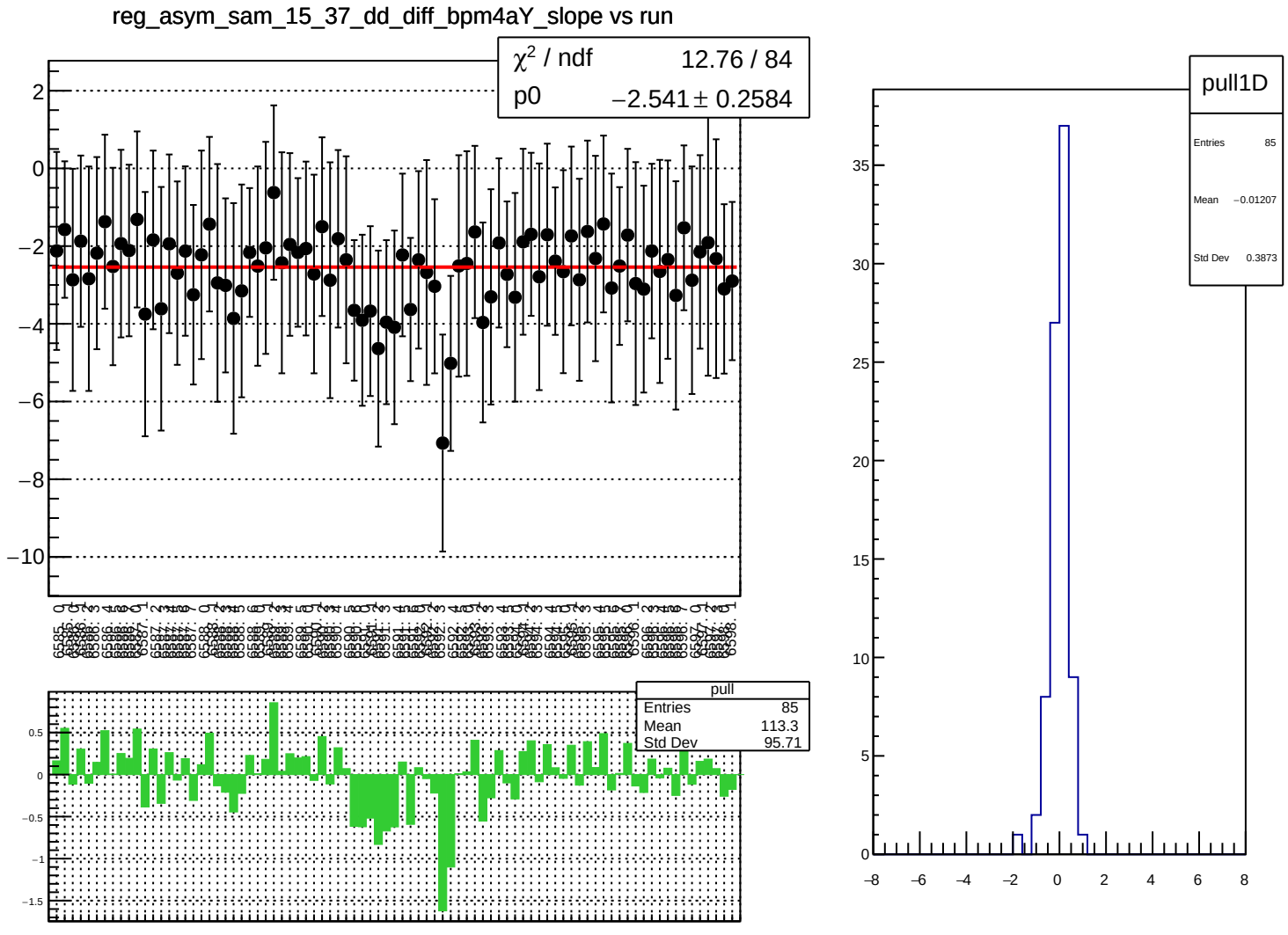

pull1D
Entries 85
Mean 0.005923
Std Dev 0.3408

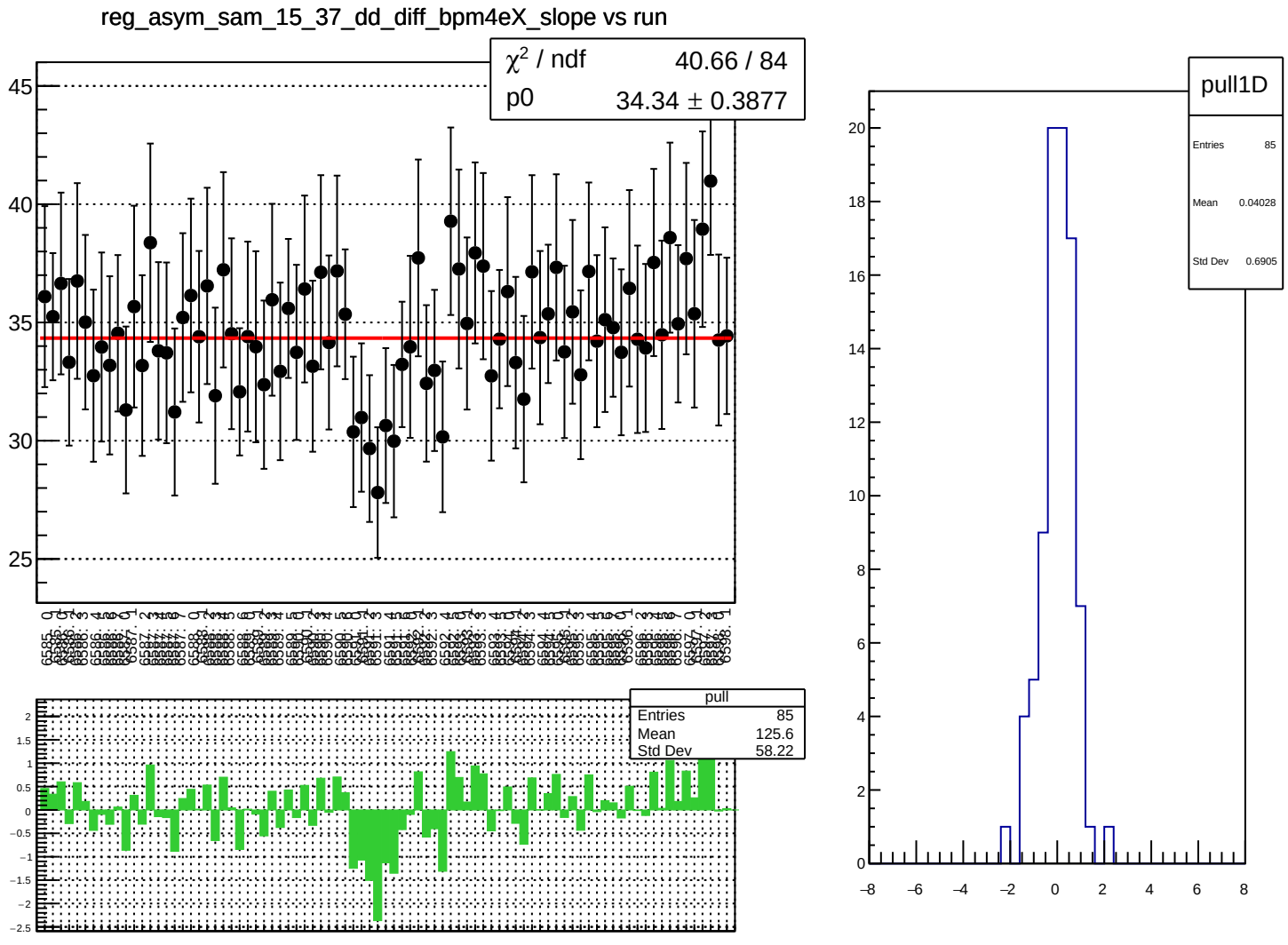

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.41 / 84
p0 −7.95 ± 0.3245
pull
Entries 85
Mean 134.6
Std Dev 83.75
pull1D
Entries 85
Mean 0.01142
Std Dev 0.6077

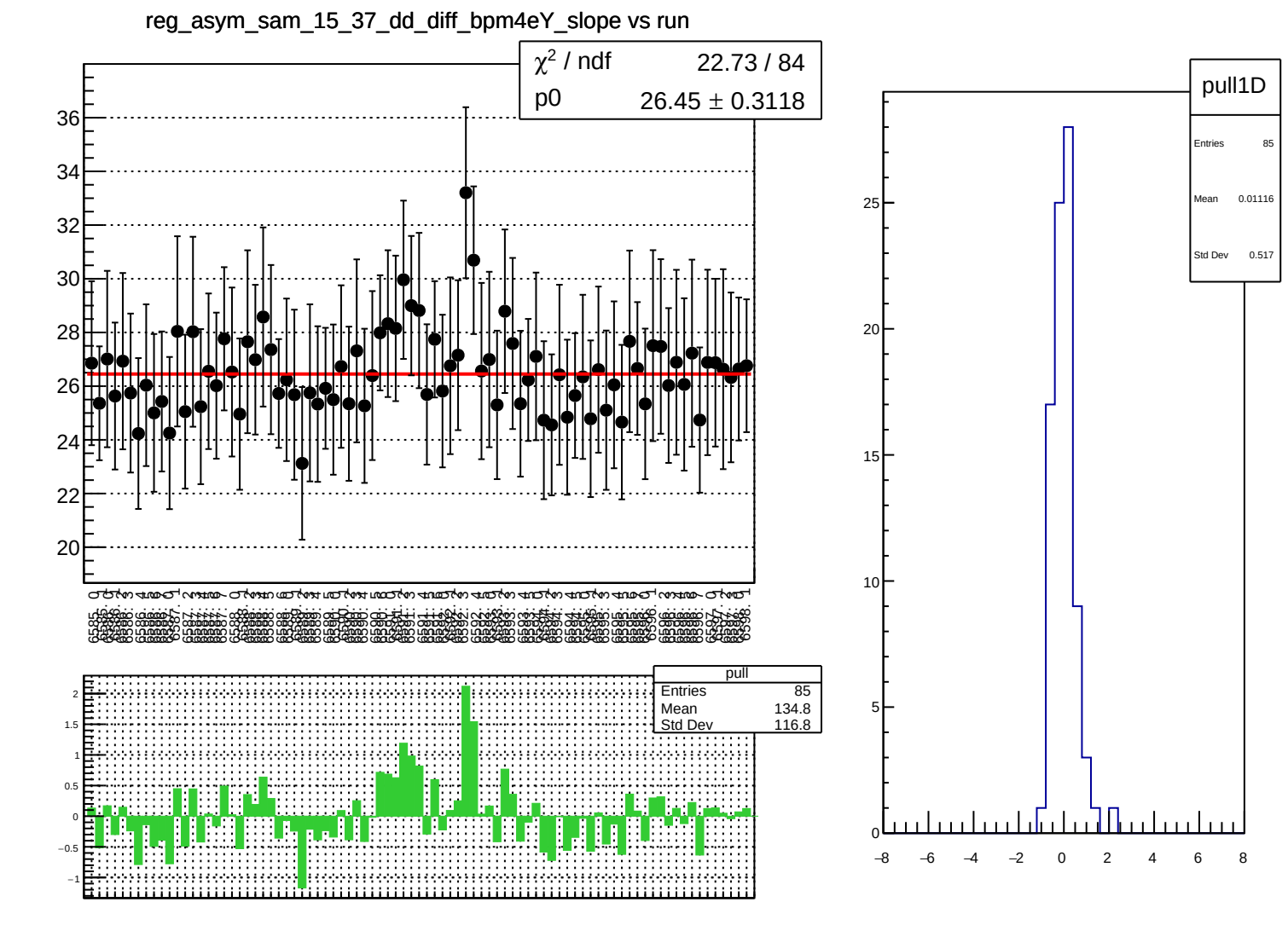

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 52.44 / 84
p0 0.2028 ± 0.01619
pull
Entries 85
Mean −249.7
Std Dev 292.9
pull1D
Entries 85
Mean 0.02497
Std Dev 0.7851

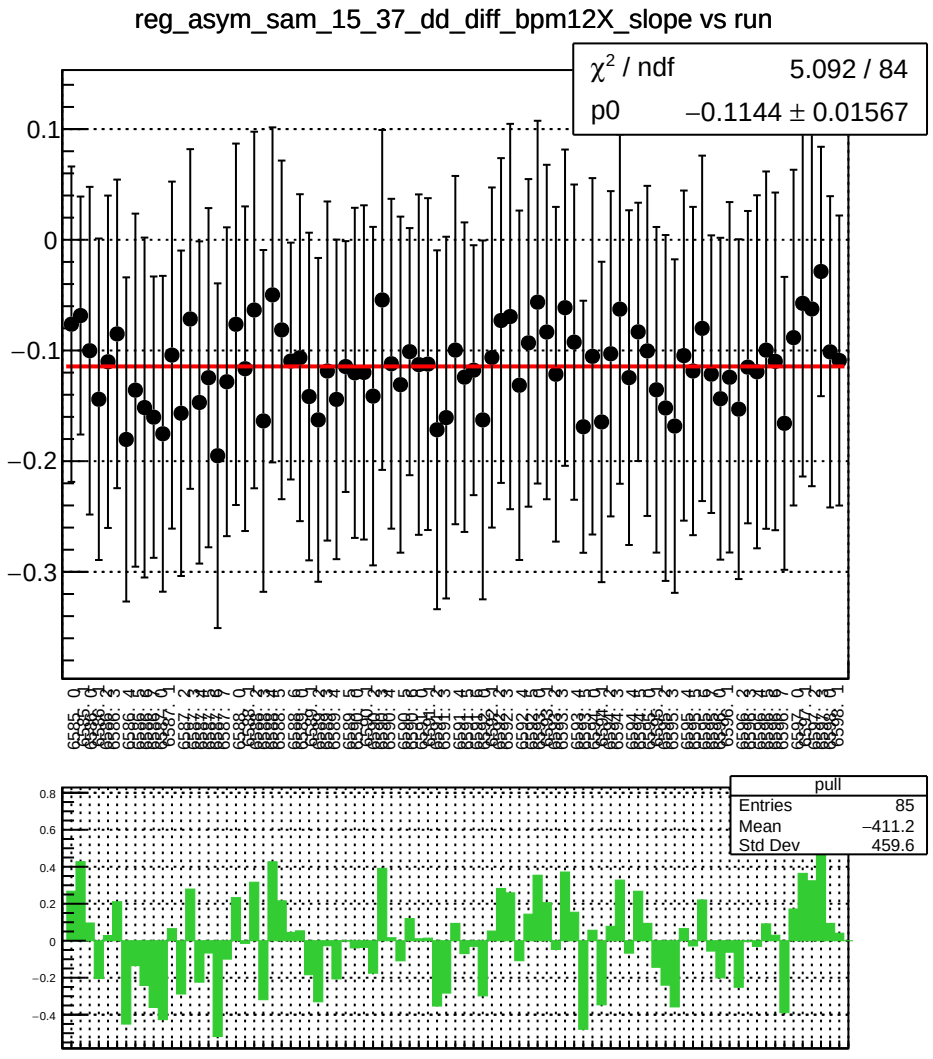

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 39.85 / 84
p0 3.921 ± 0.3646
pull
Entries 85
Mean 82.88
Std Dev 50.04

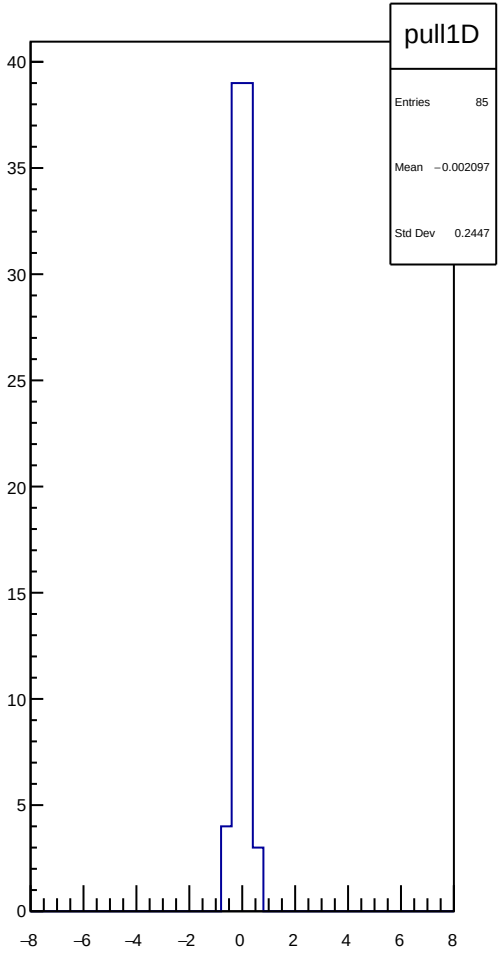

pull1D
Entries 85
Mean −0.03941
Std Dev 0.6836

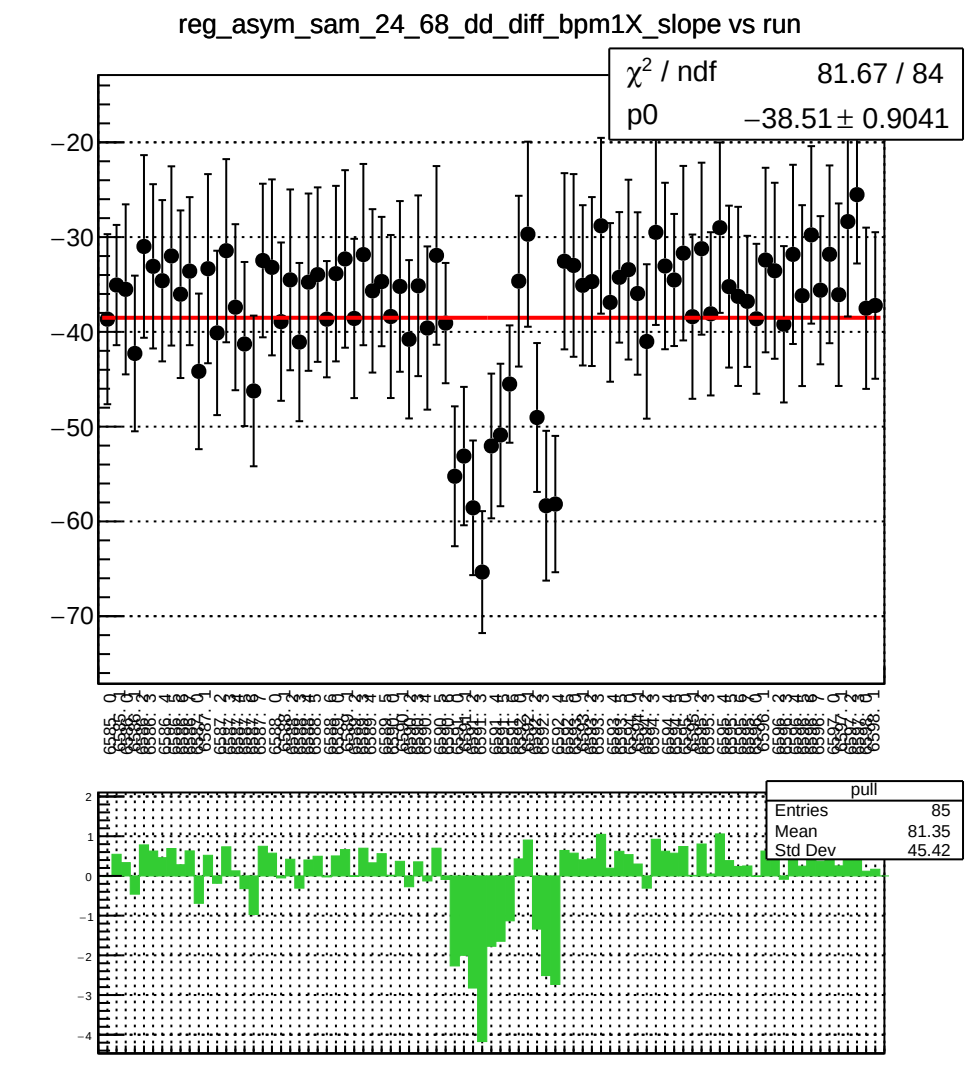

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.76 / 84
p0 −2.541 ± 0.2584
pull
Entries 85
Mean 113.3
Std Dev 95.71
pull1D
Entries 85
Mean −0.01207
Std Dev 0.3873

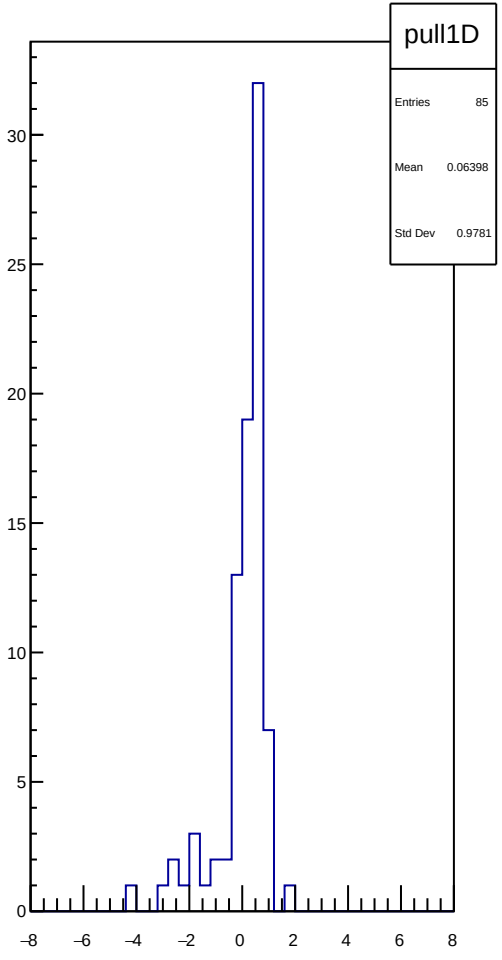

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.66 / 84
p0 34.34 ± 0.3877
pull
Entries 85
Mean 125.6
Std Dev 58.22
pull1D
Entries 85
Mean 0.04028
Std Dev 0.6905

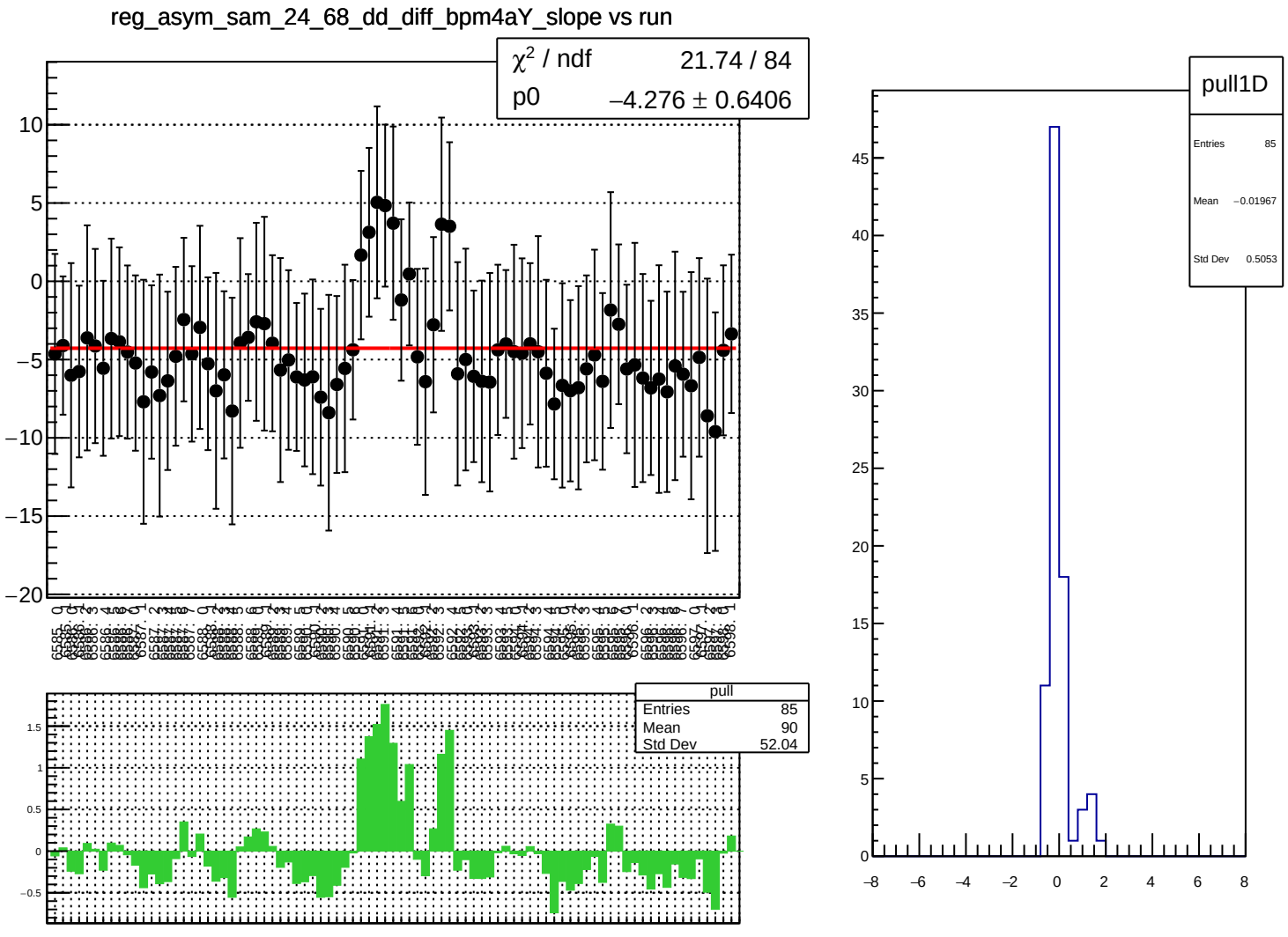

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.73 / 84
p0 26.45 ± 0.3118
pull
Entries 85
Mean 134.8
Std Dev 116.8
pull1D
Entries 85
Mean 0.01116
Std Dev 0.517

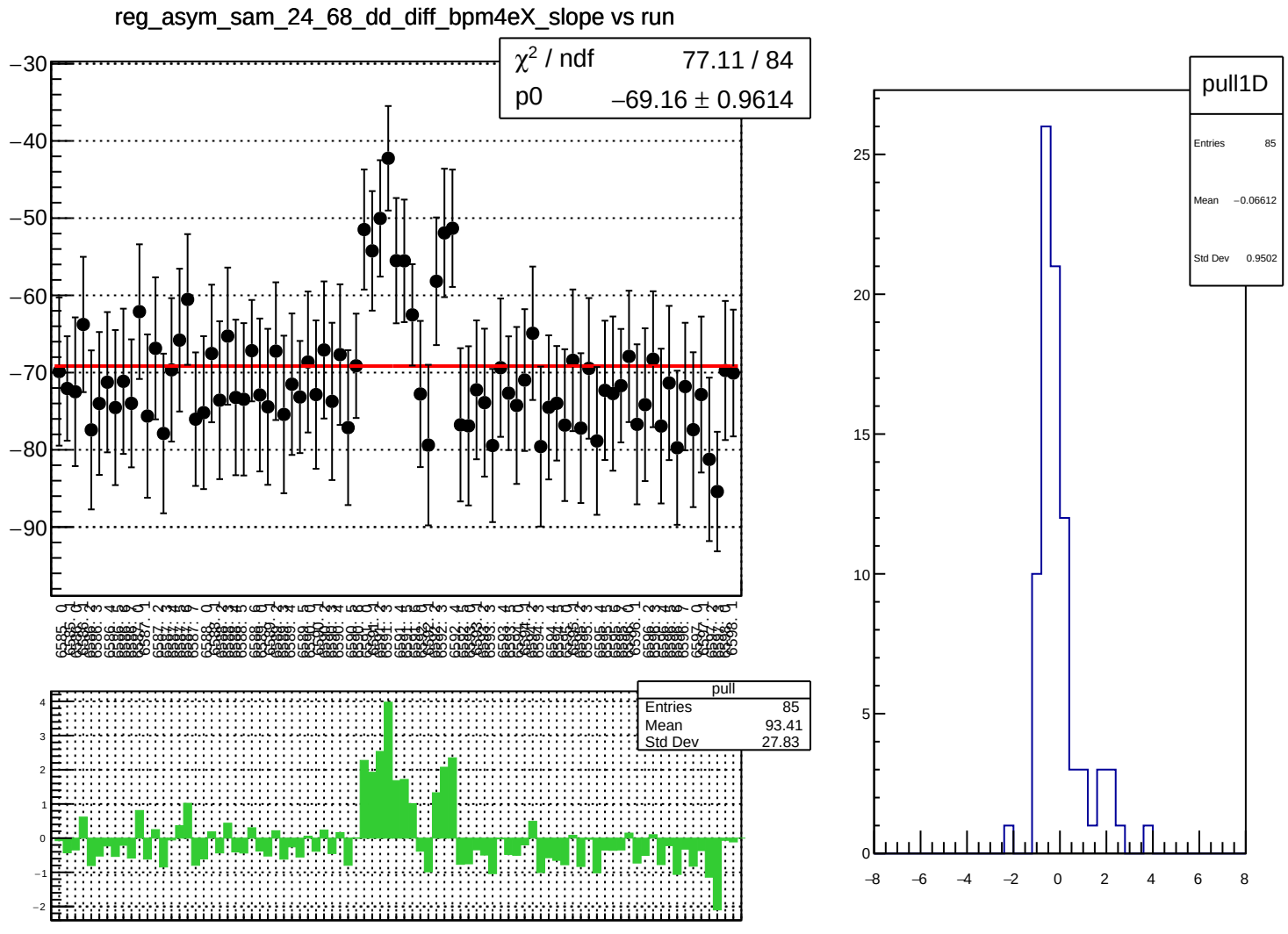

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 5.092 / 84
p0 −0.1144 ± 0.01567
pull
Entries 85
Mean −411.2
Std Dev 459.6

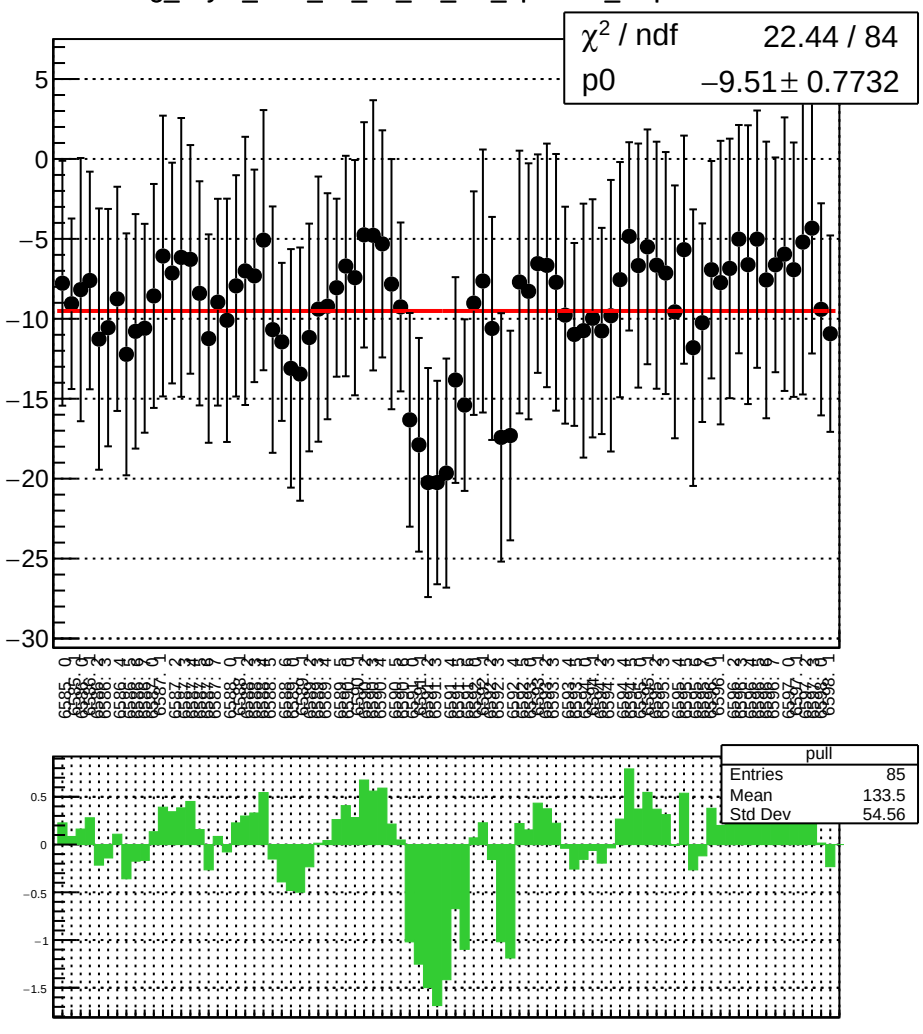

pull1D
Entries 85
Mean −0.002097
Std Dev 0.2447

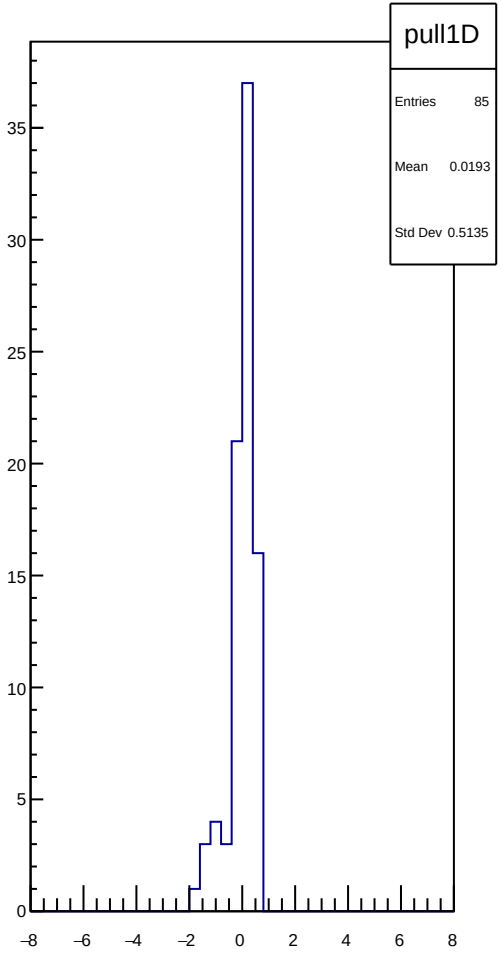

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 81.67 / 84
p0 −38.51 ± 0.9041
pull
Entries 85
Mean 81.35
Std Dev 45.42

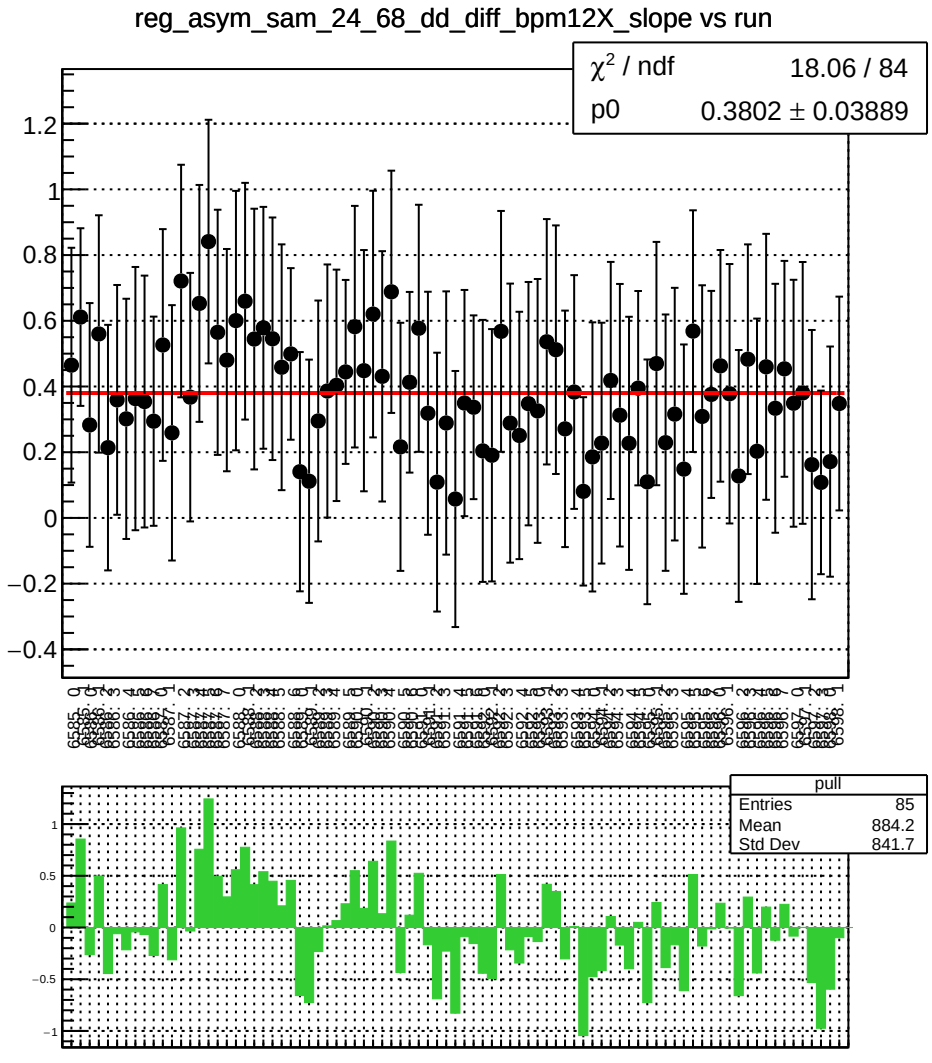

pull1D
Entries 85
Mean 0.06398
Std Dev 0.9781

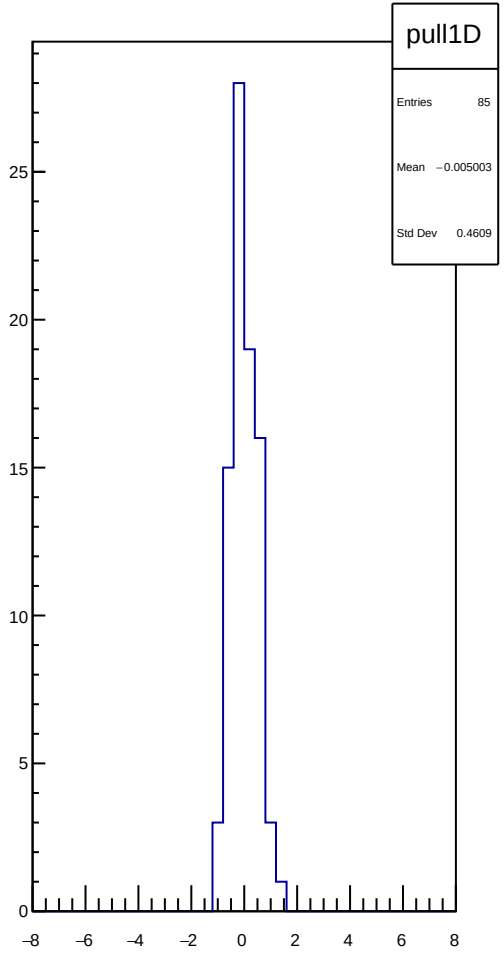

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.74 / 84
p0 −4.276 ± 0.6406
pull
Entries 85
Mean 90
Std Dev 52.04
pull1D
Entries 85
Mean −0.01967
Std Dev 0.5053

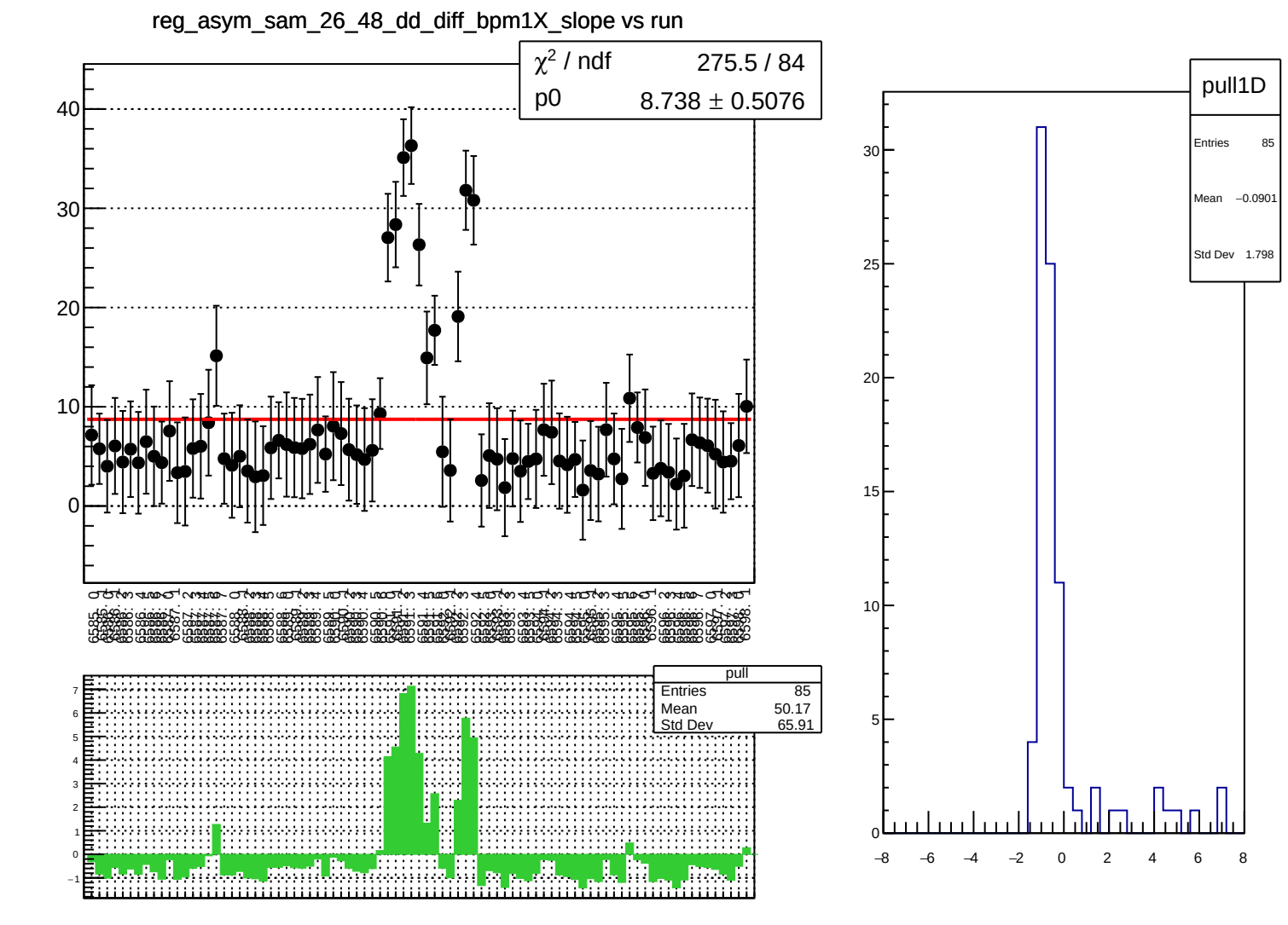

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 77.11 / 84
p0 −69.16 ± 0.9614
pull
Entries 85
Mean 93.41
Std Dev 27.83
pull1D
Entries 85
Mean −0.06612
Std Dev 0.9502

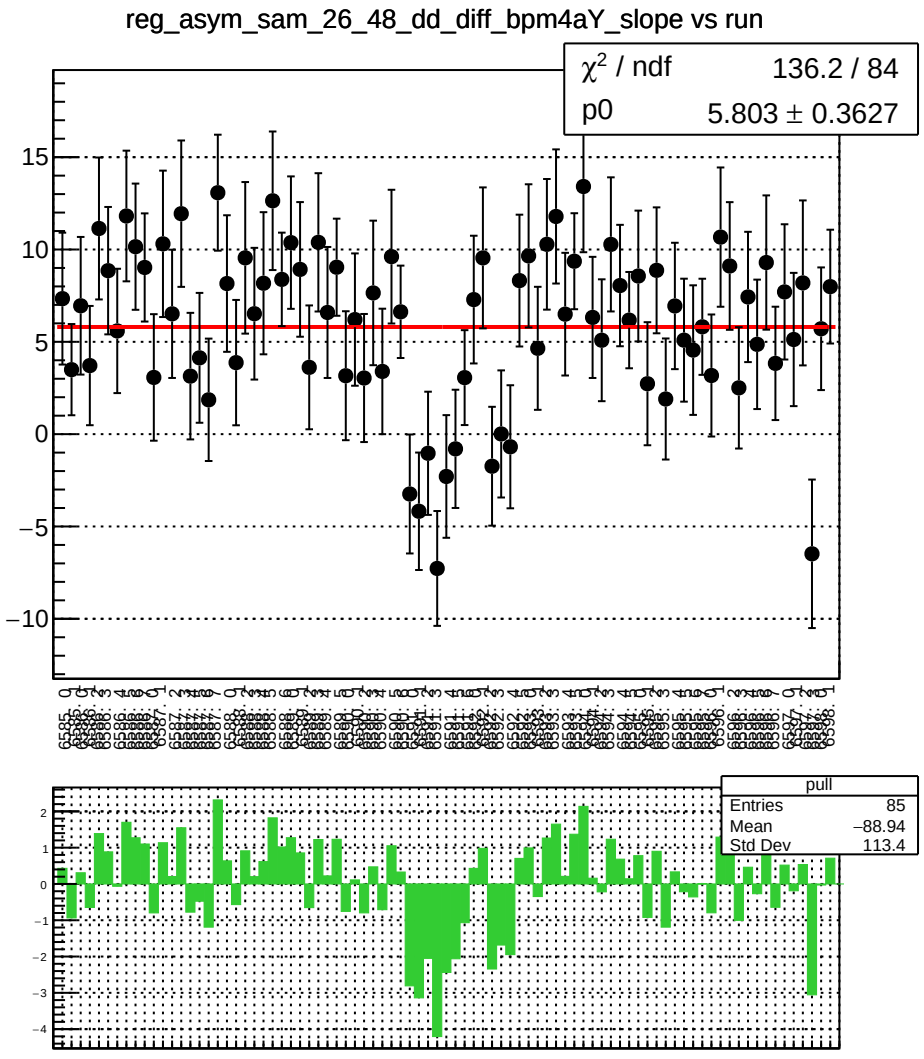

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.44 / 84
p0 −9.51 ± 0.7732
pull
Entries 85
Mean 133.5
Std Dev 54.56

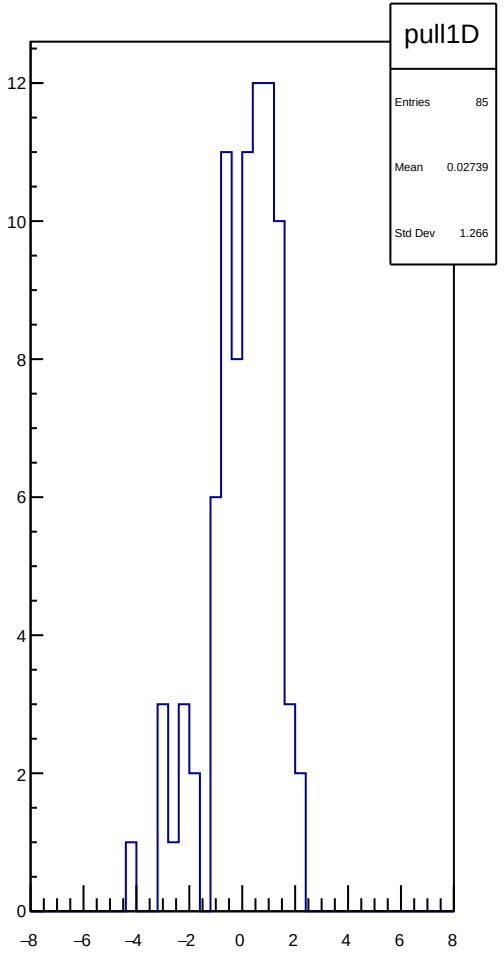

pull1D
Entries 85
Mean 0.0193
Std Dev 0.5135

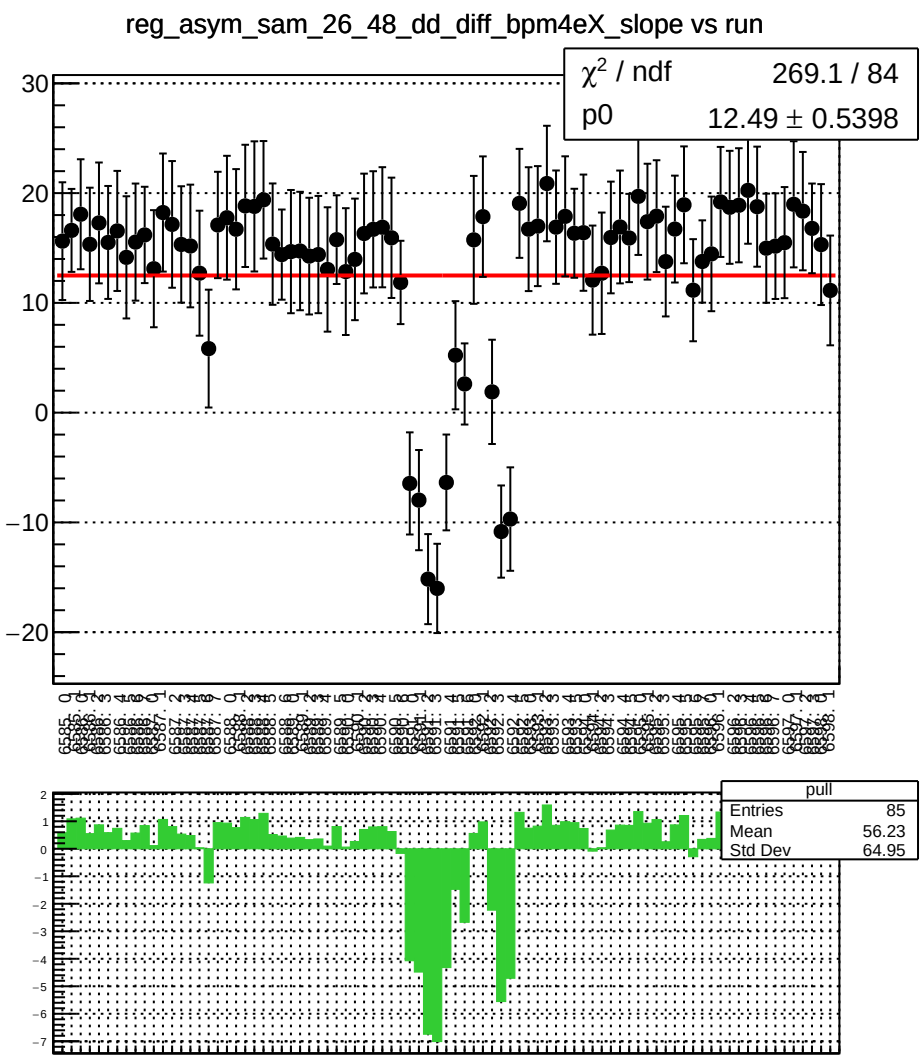

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ^2 / ndf 18.06 / 84
p0 0.3802 ± 0.03889
pull
Entries 85
Mean 884.2
Std Dev 841.7

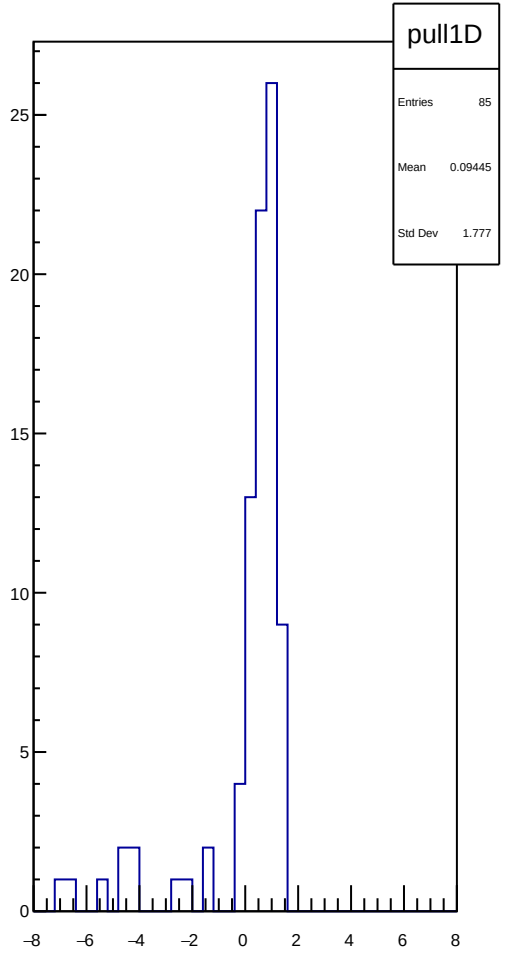

pull1D
Entries 85
Mean −0.005003
Std Dev 0.4609

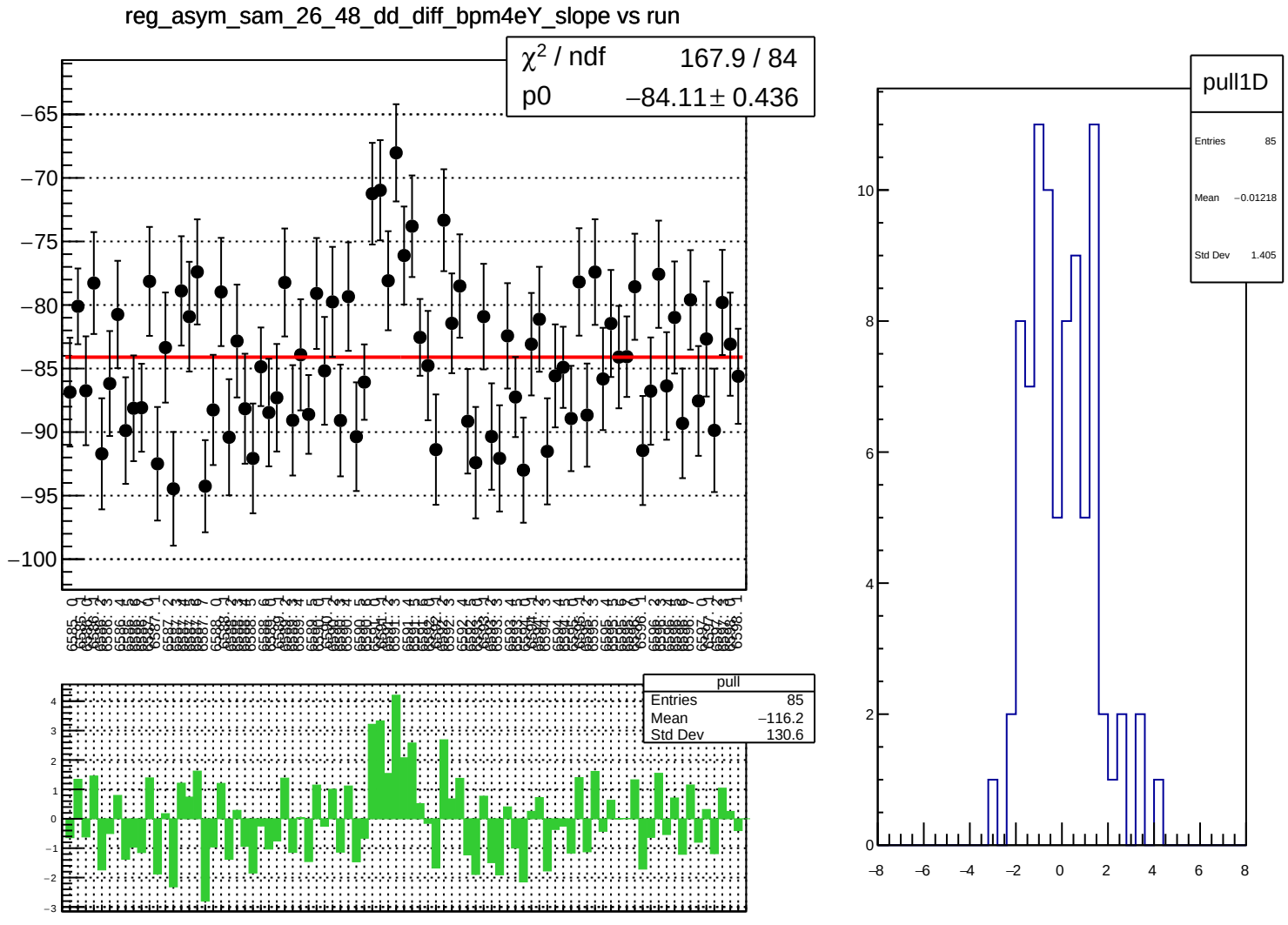

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 275.5 / 84
p0 8.738 ± 0.5076
pull
Entries 85
Mean 50.17
Std Dev 65.91
pull1D
Entries 85
Mean −0.0901
Std Dev 1.798

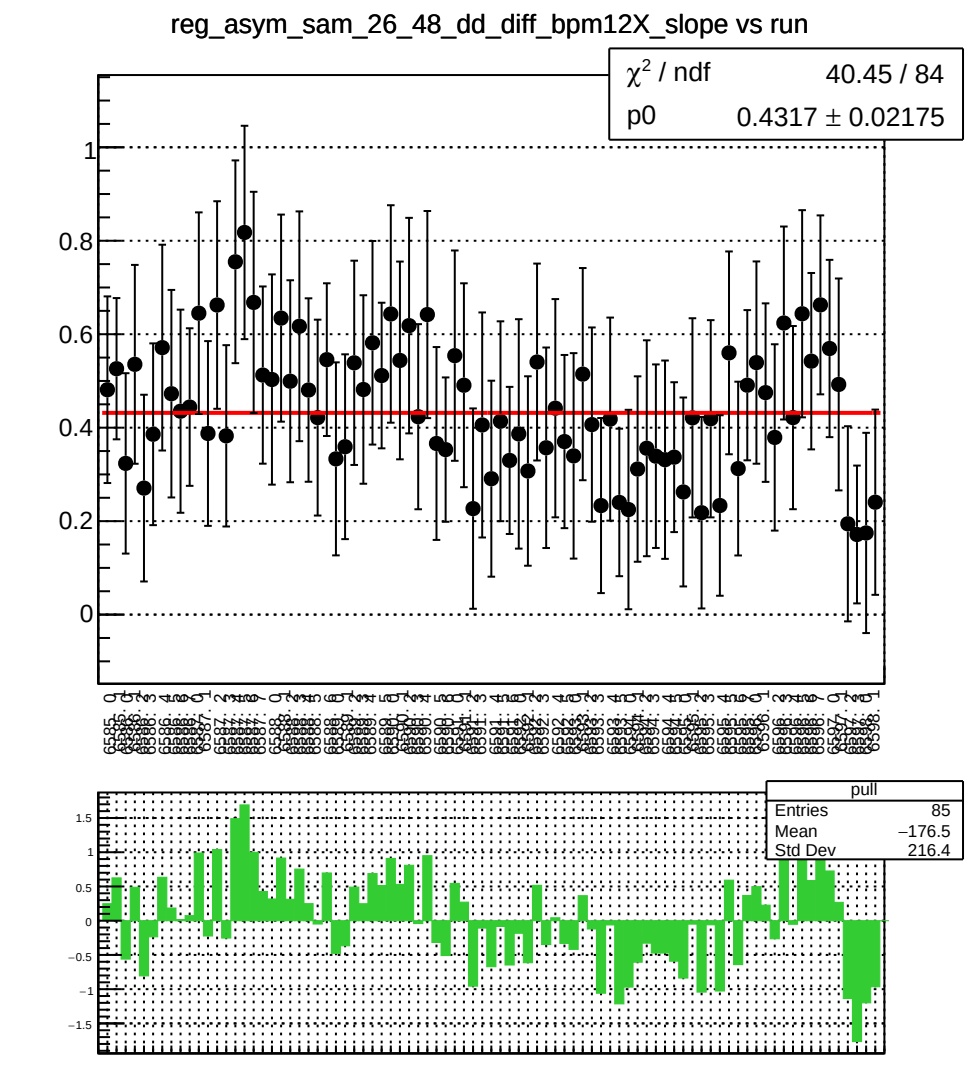

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 136.2 / 84
p0 5.803 ± 0.3627
pull
Entries 85
Mean −88.94
Std Dev 113.4

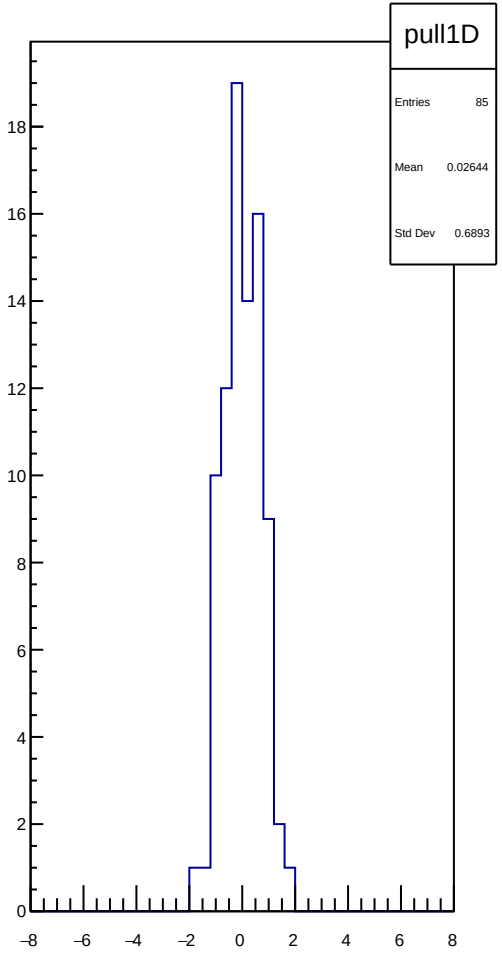

pull1D
Entries 85
Mean 0.02739
Std Dev 1.266

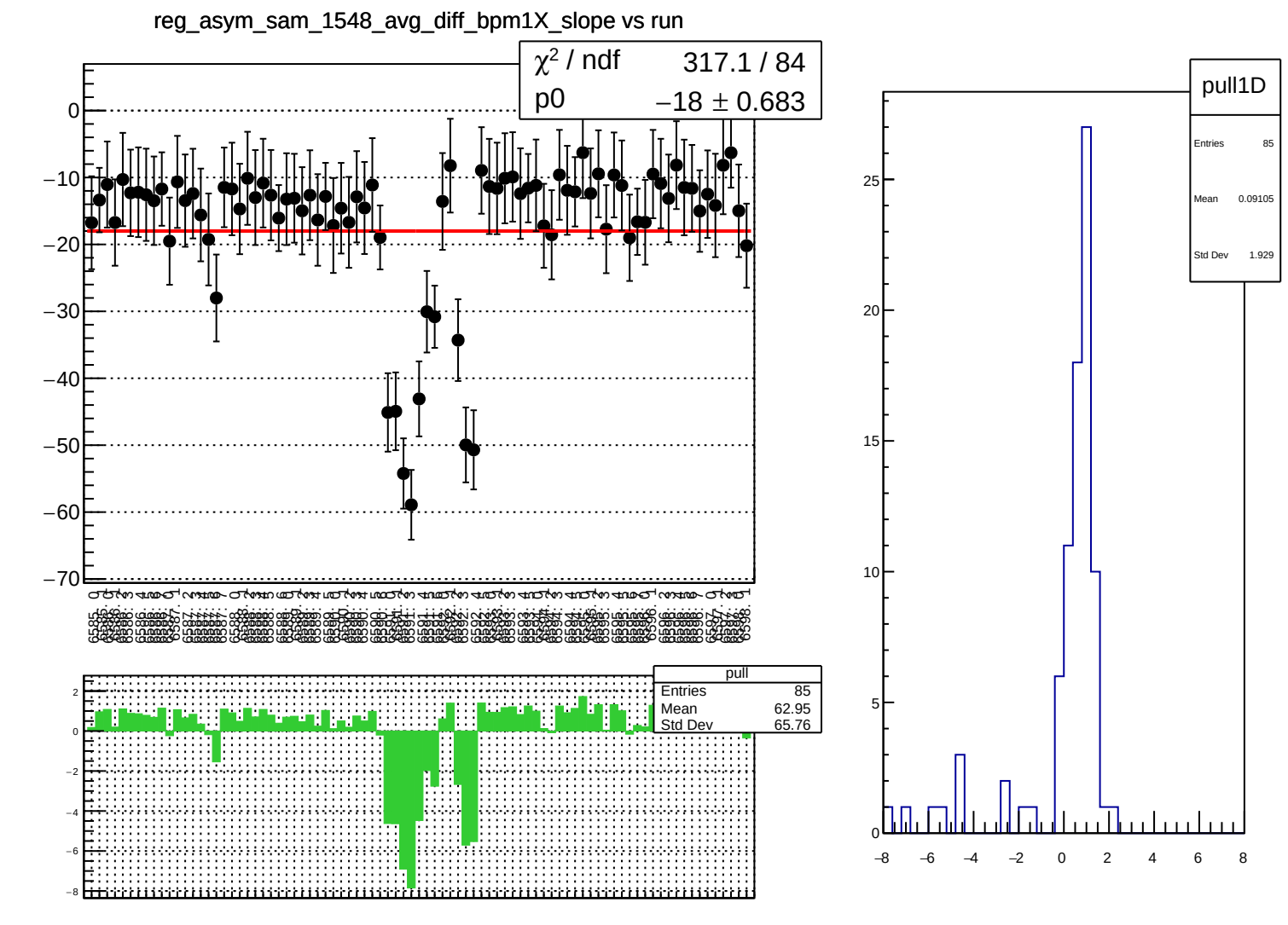

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 269.1 / 84
p0 12.49 ± 0.5398
30
20
10
0
−10
−20
pull
Entries 85
Mean 56.23
Std Dev 64.95
2
1
0
−1
−2
−3
−4
−5
−6
−7

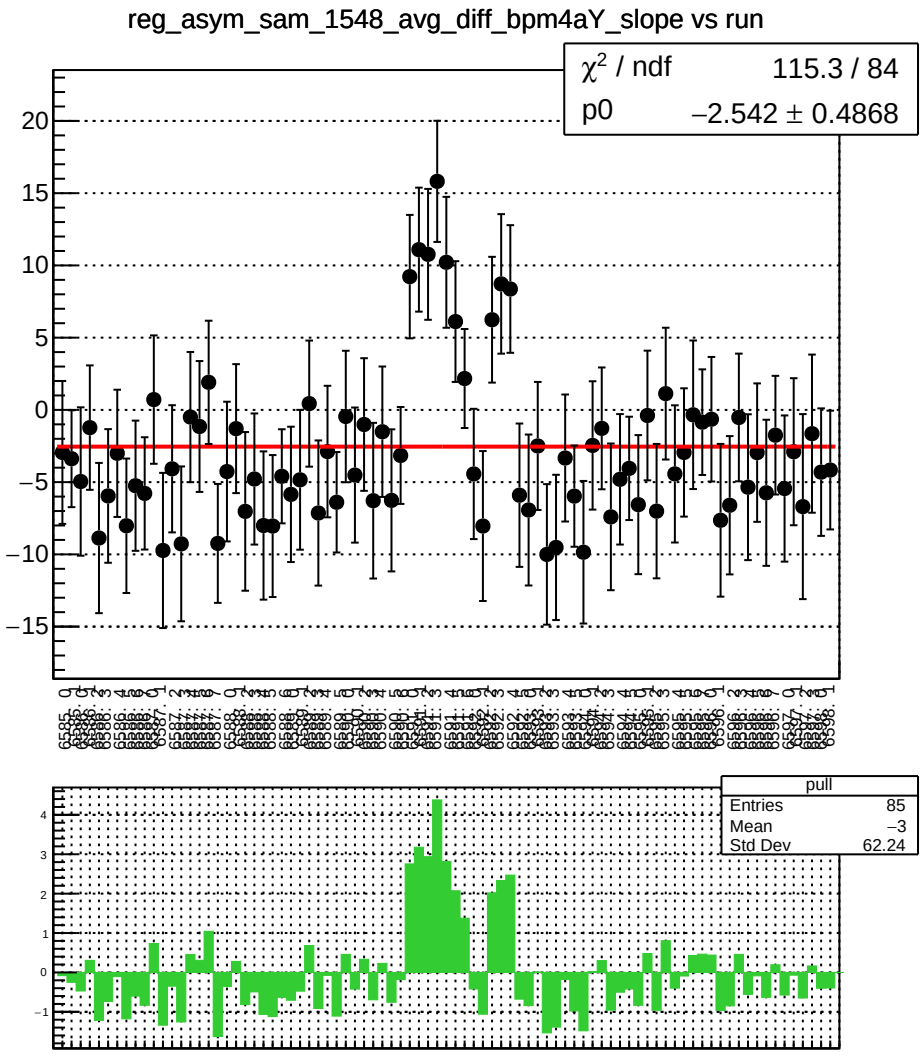

pull1D
Entries 85
Mean 0.09445
Std Dev 1.777
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

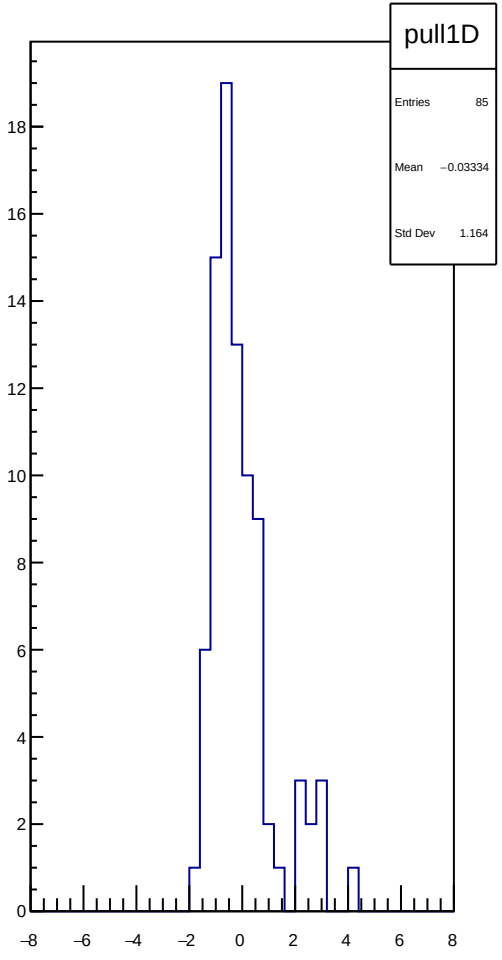

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 167.9 / 84
p0 −84.11 ± 0.436
−65
−70
−75
−80
−85
−90
−95
−100
pull
Entries 85
Mean −116.2
Std Dev 130.6
4
3
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean −0.01218
Std Dev 1.405
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

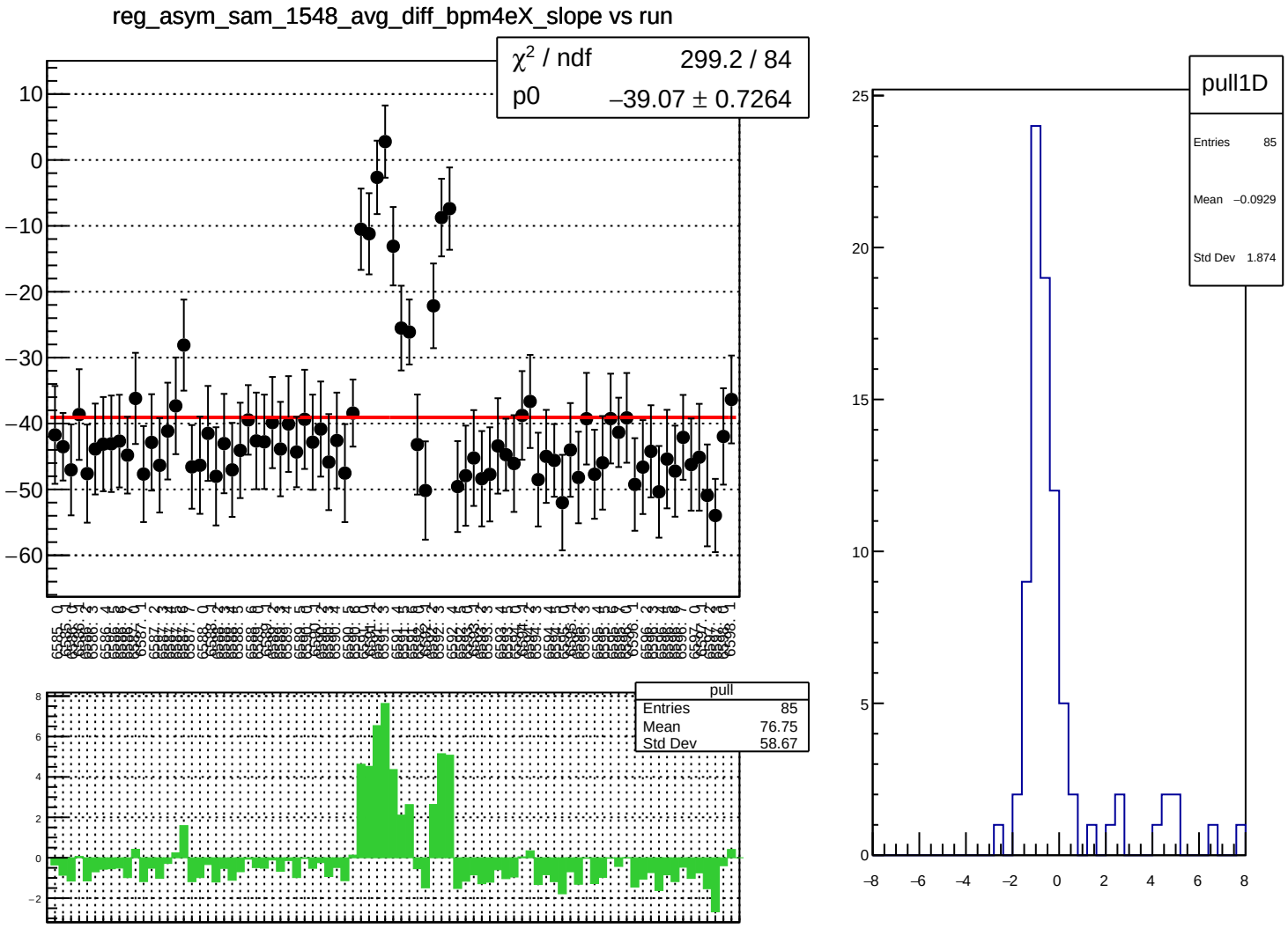

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 40.45 / 84
p0 0.4317 ± 0.02175
pull
Entries 85
Mean −176.5
Std Dev 216.4

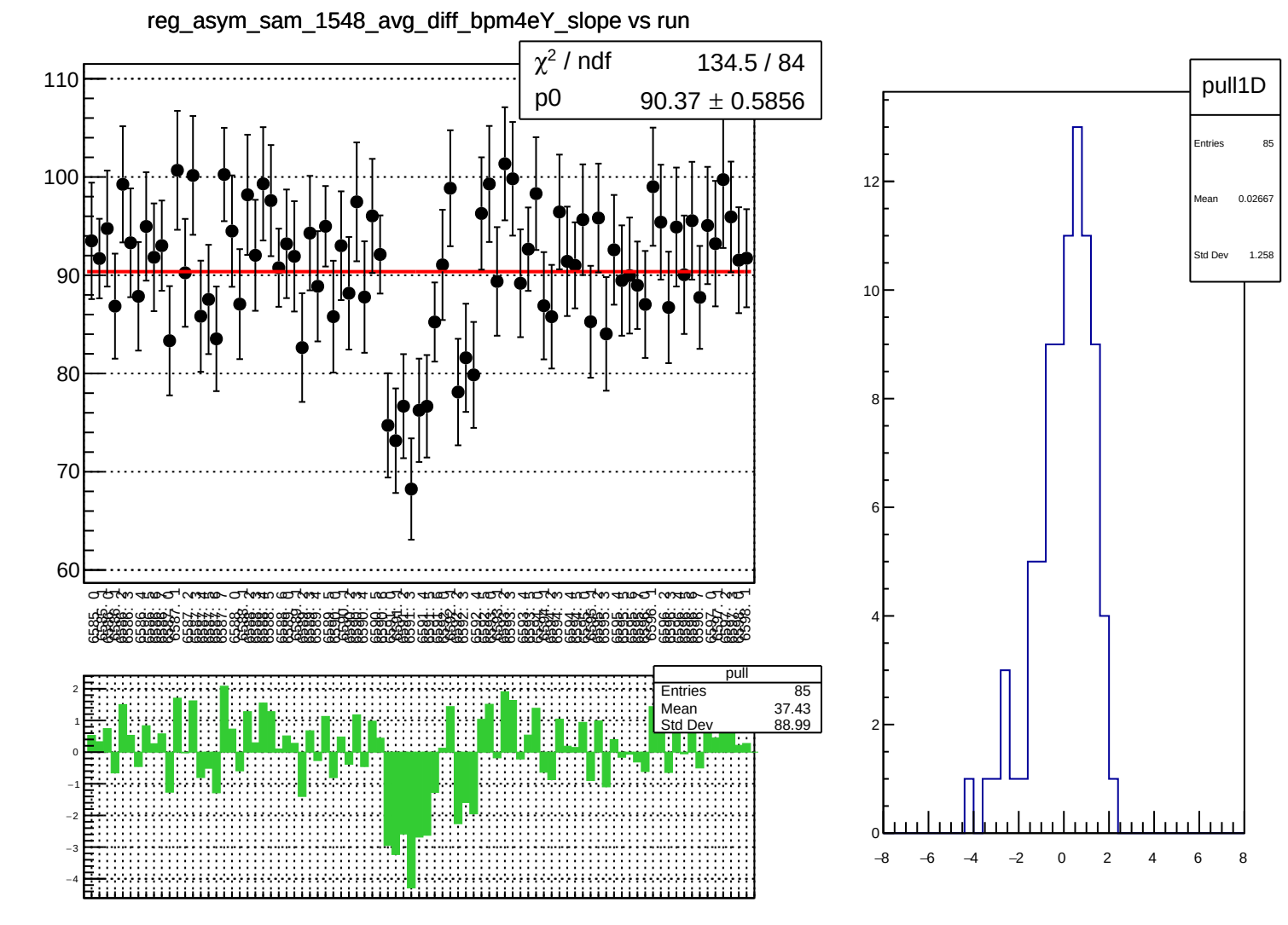

pull1D
Entries 85
Mean 0.02644
Std Dev 0.6893

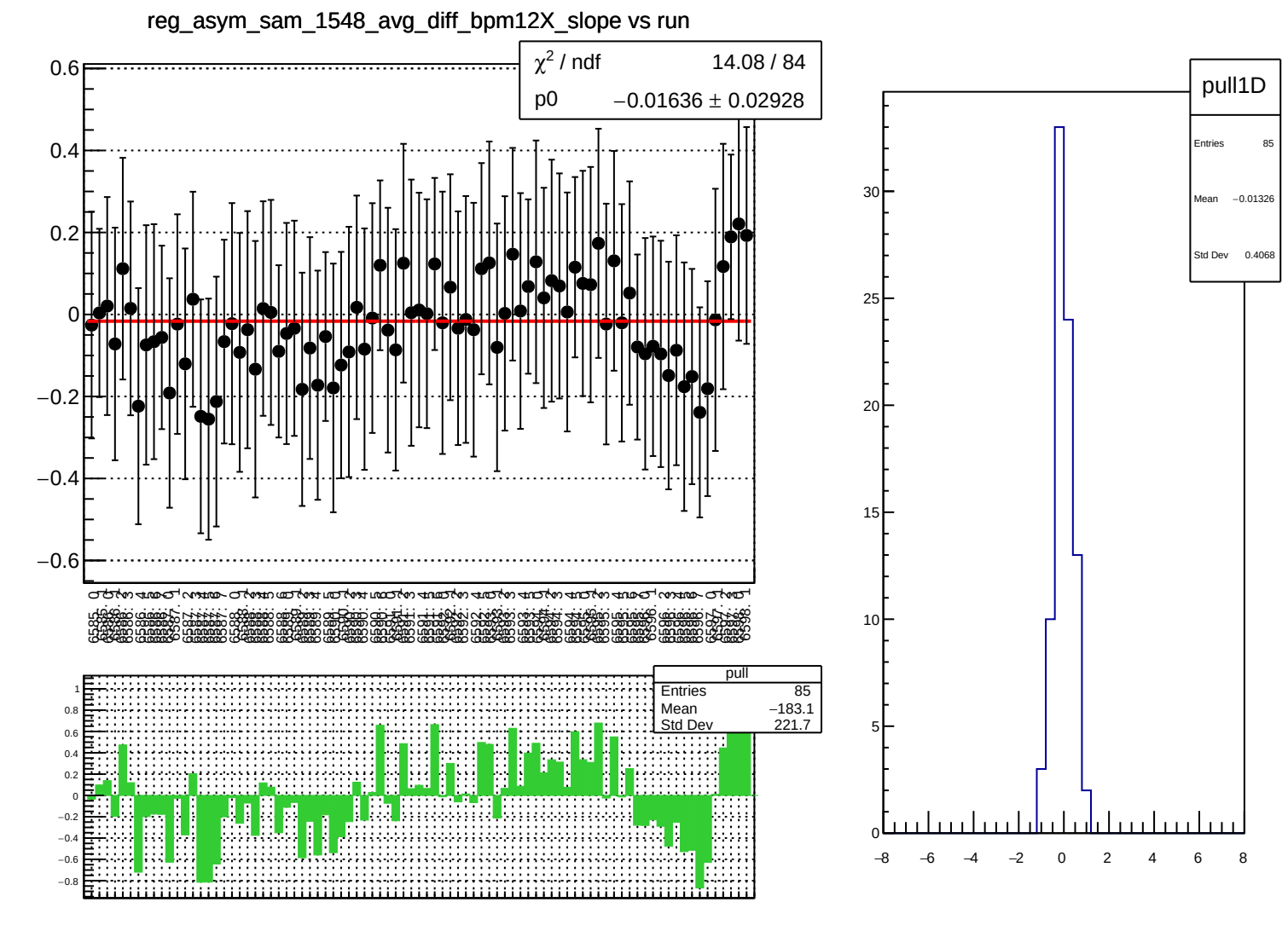

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 317.1 / 84
p0 −18 ± 0.683
pull
Entries 85
Mean 62.95
Std Dev 65.76
pull1D
Entries 85
Mean 0.09105
Std Dev 1.929

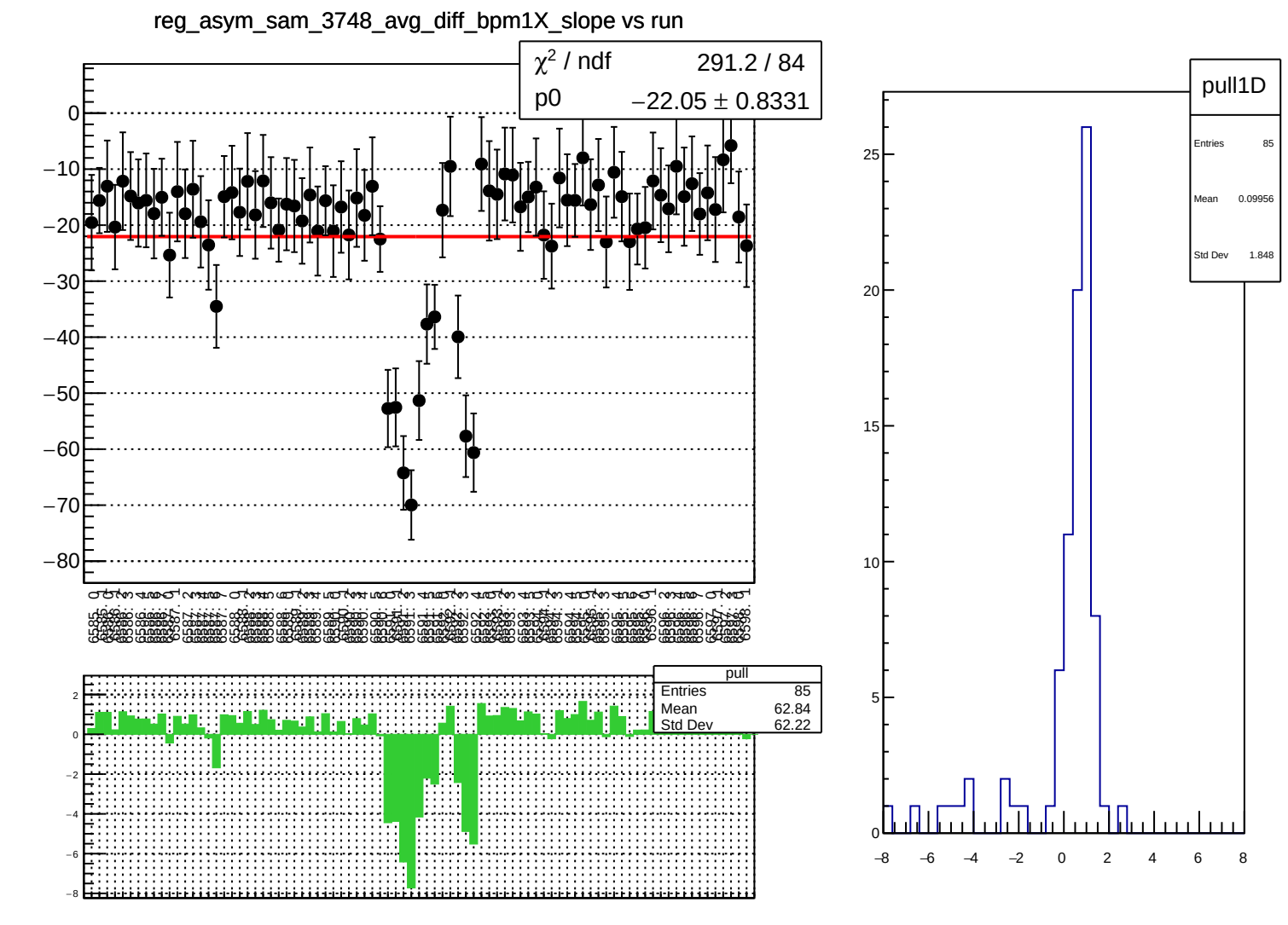

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 115.3 / 84
p0 −2.542 ± 0.4868
pull
Entries 85
Mean −3
Std Dev 62.24

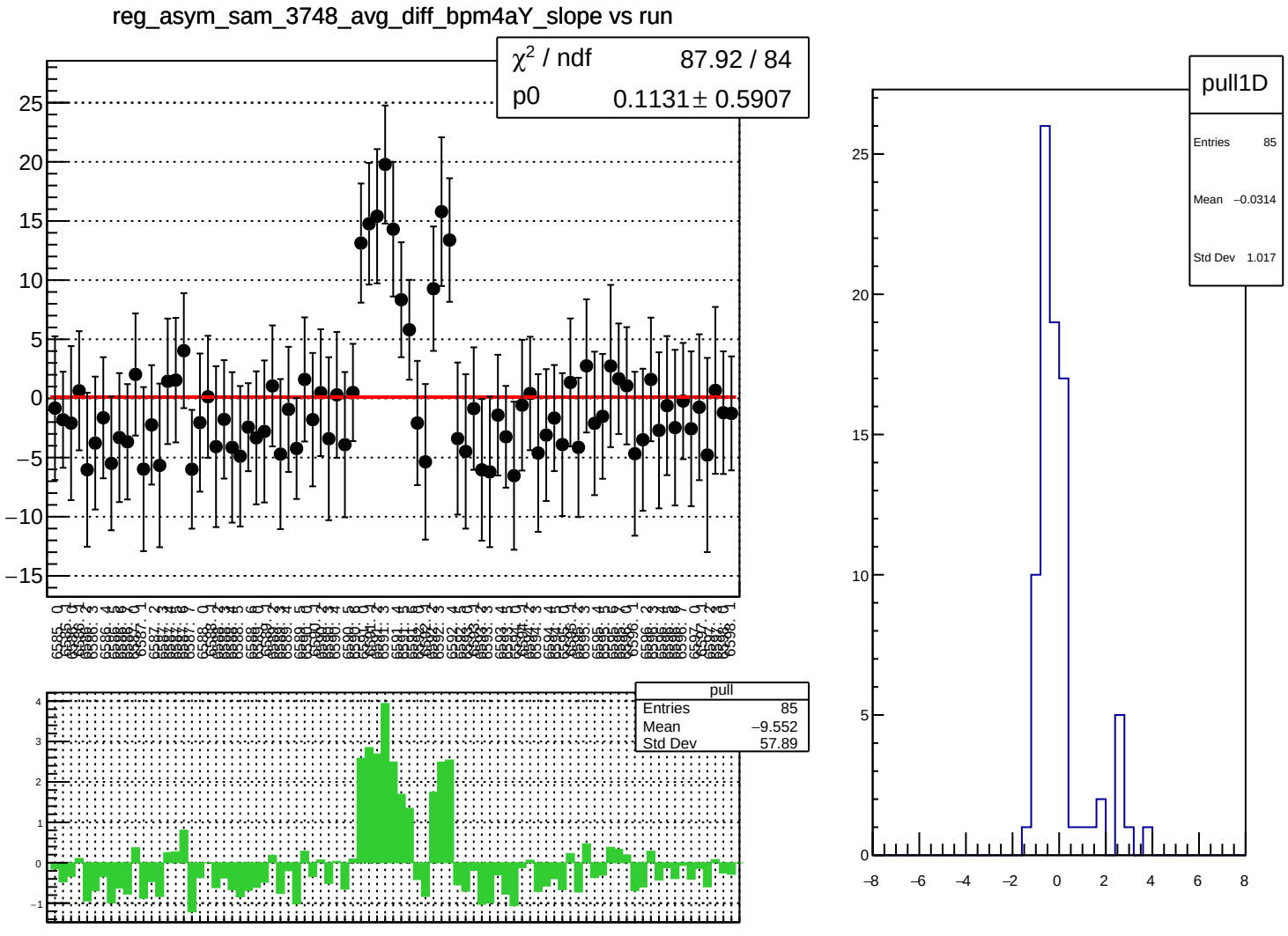

pull1D
Entries 85
Mean −0.03334
Std Dev 1.164

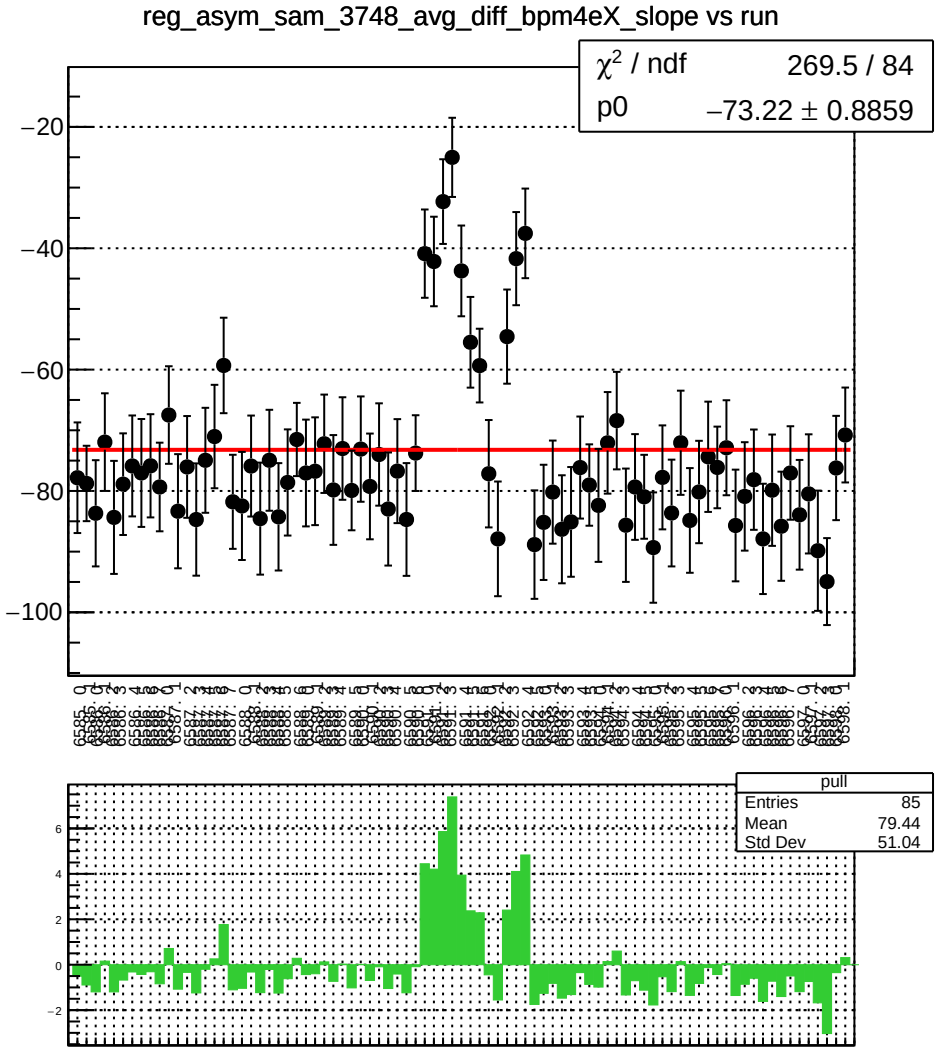

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 299.2 / 84
p0 −39.07 ± 0.7264
pull
Entries 85
Mean 76.75
Std Dev 58.67
pull1D
Entries 85
Mean −0.0929
Std Dev 1.874

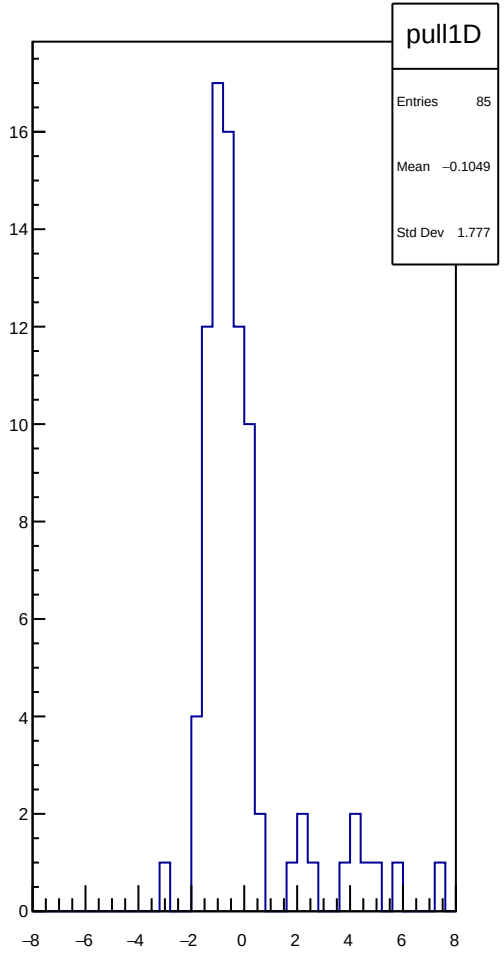

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 134.5 / 84
p0 90.37 ± 0.5856
pull
Entries 85
Mean 37.43
Std Dev 88.99
pull1D
Entries 85
Mean 0.02667
Std Dev 1.258

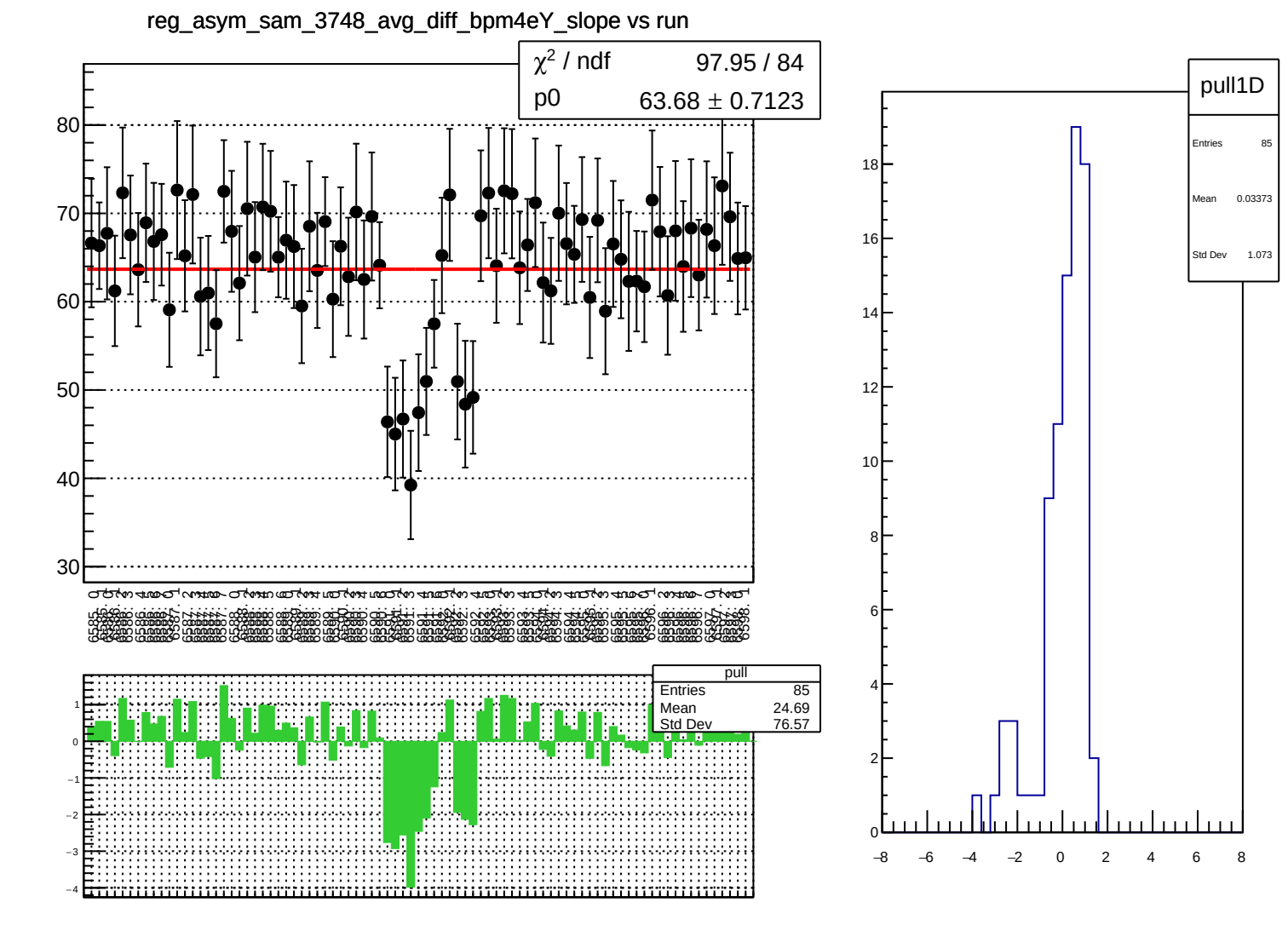

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 14.08 / 84
p0 −0.01636 ± 0.02928
pull
Entries 85
Mean −183.1
Std Dev 221.7
pull1D
Entries 85
Mean −0.01326
Std Dev 0.4068

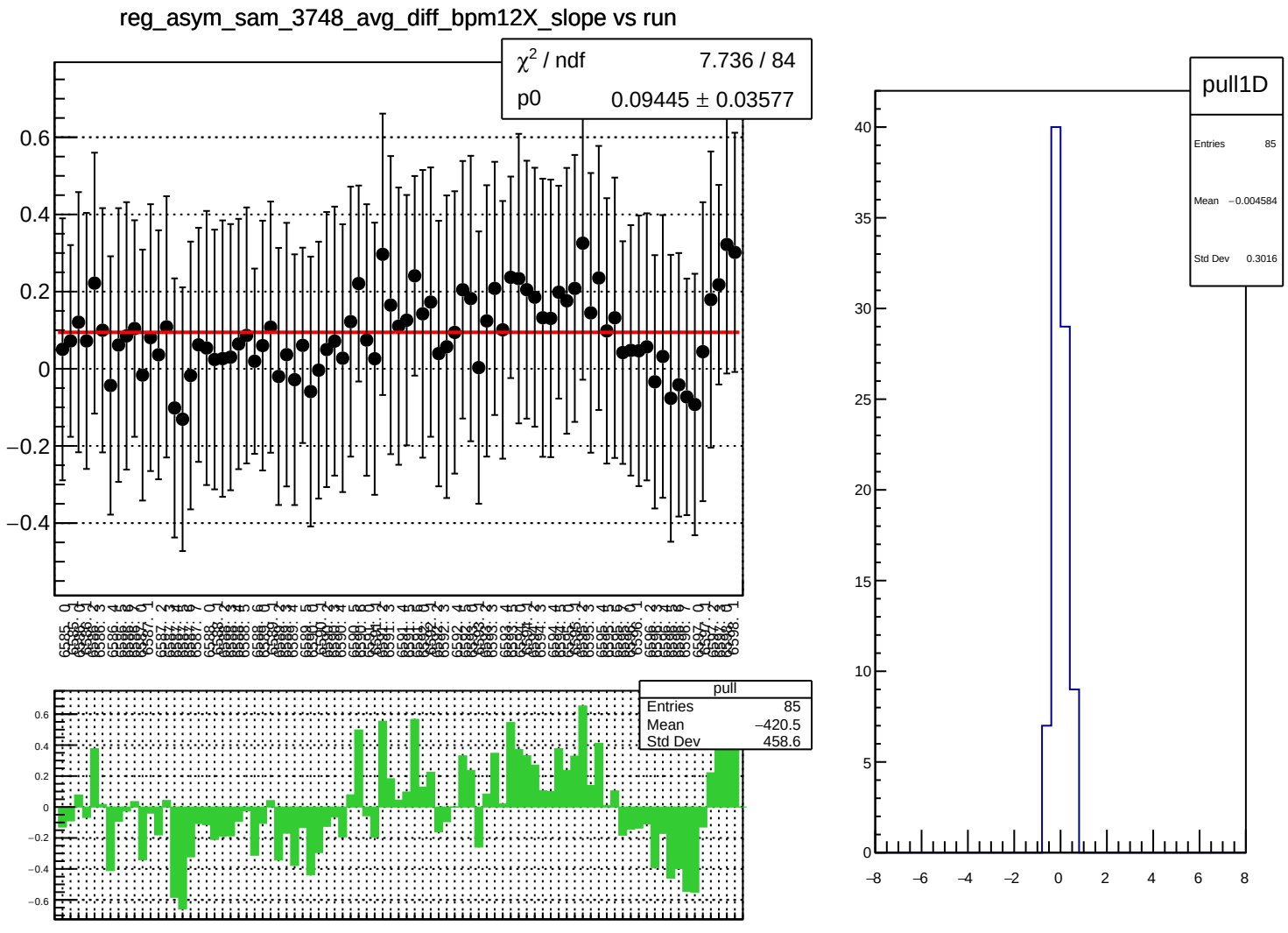

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 291.2 / 84
p0 −22.05 ± 0.8331
pull
Entries 85
Mean 62.84
Std Dev 62.22
pull1D
Entries 85
Mean 0.09956
Std Dev 1.848

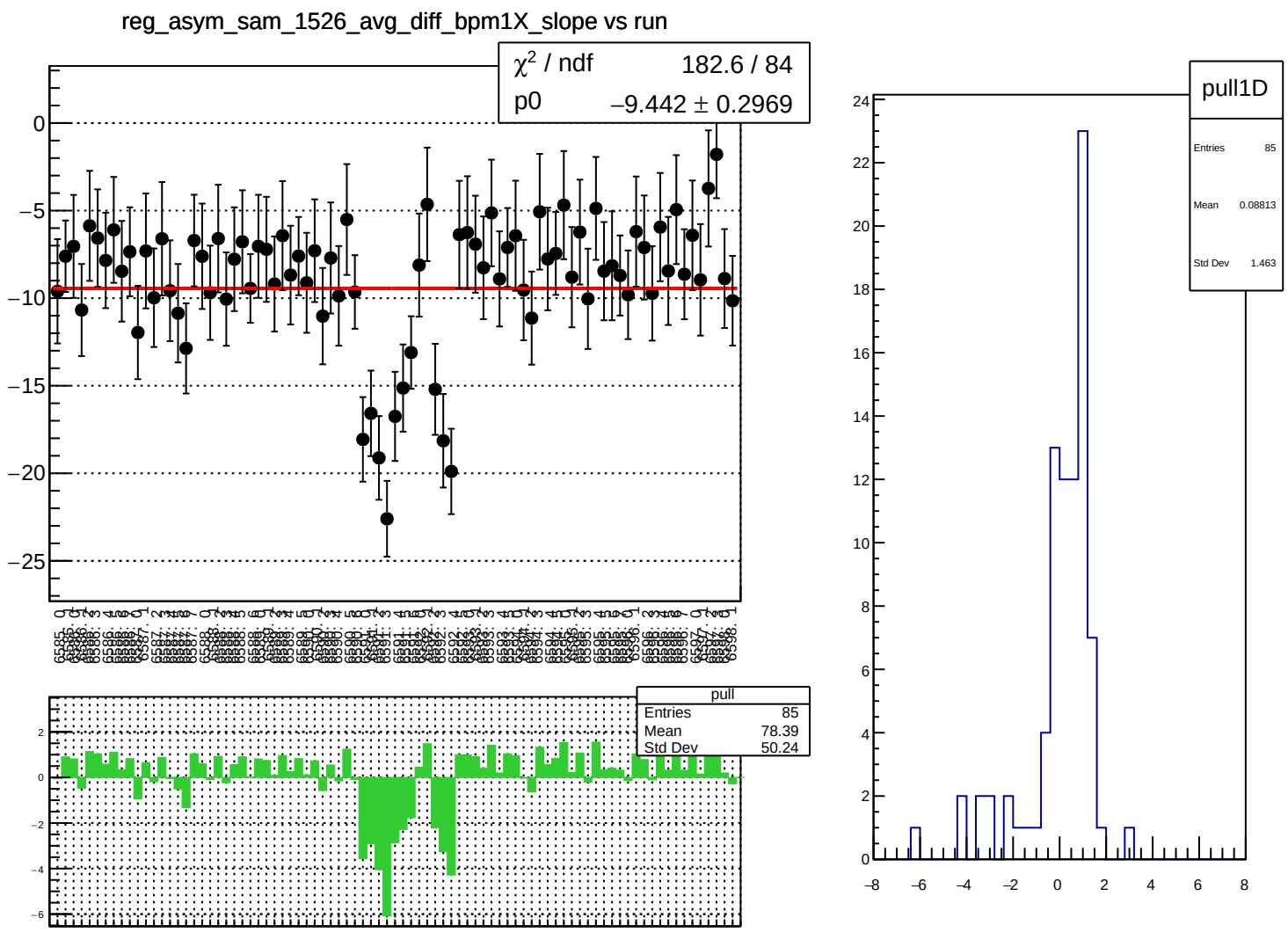

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 87.92 / 84
p0 0.1131± 0.5907
pull
Entries 85
Mean −9.552
Std Dev 57.89
pull1D
Entries 85
Mean −0.0314
Std Dev 1.017

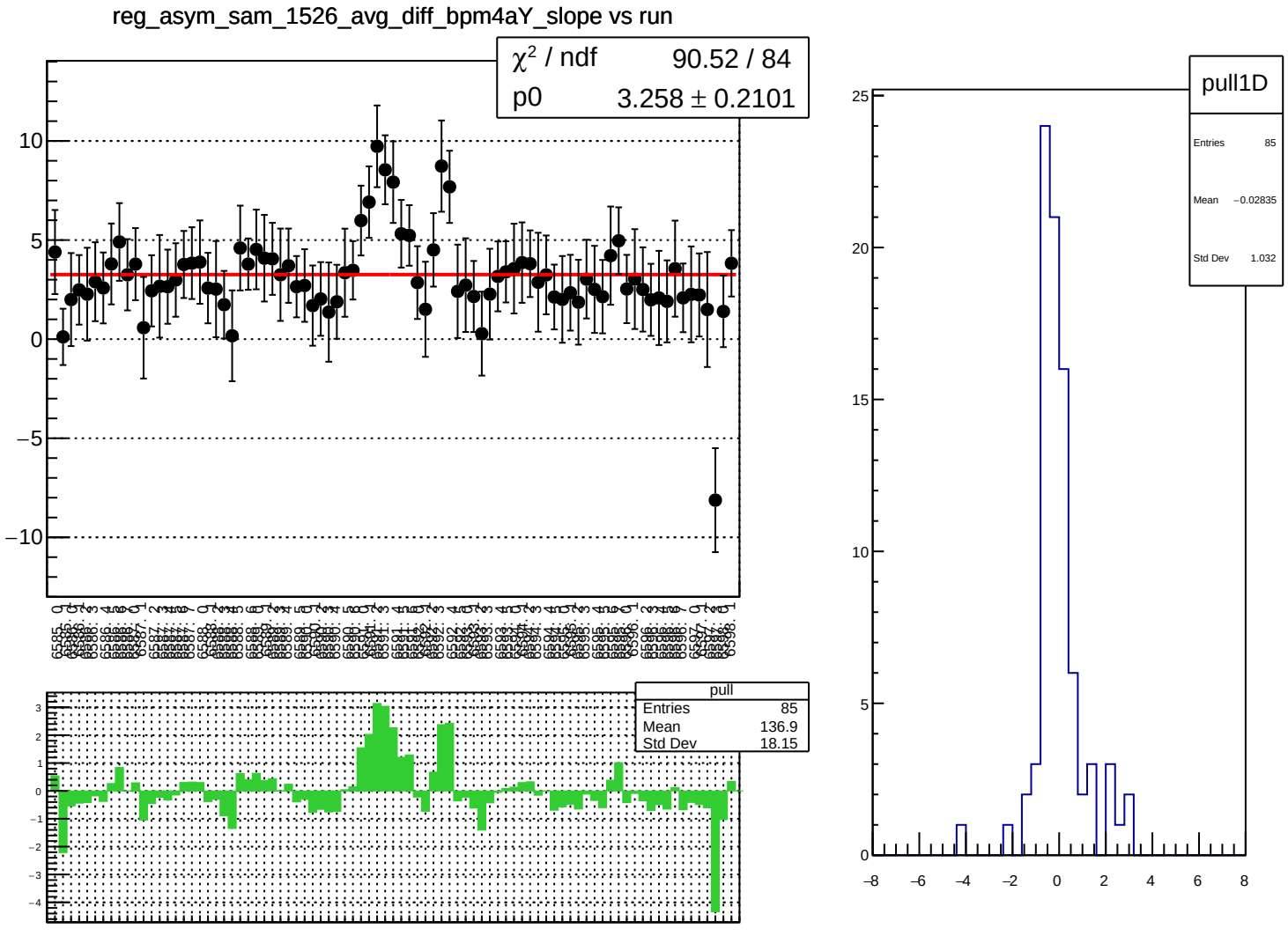

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 269.5 / 84
p0 −73.22 ± 0.8859
−20
−40
−60
−80
−100
pull
Entries 85
Mean 79.44
Std Dev 51.04
6
4
2
0
−2

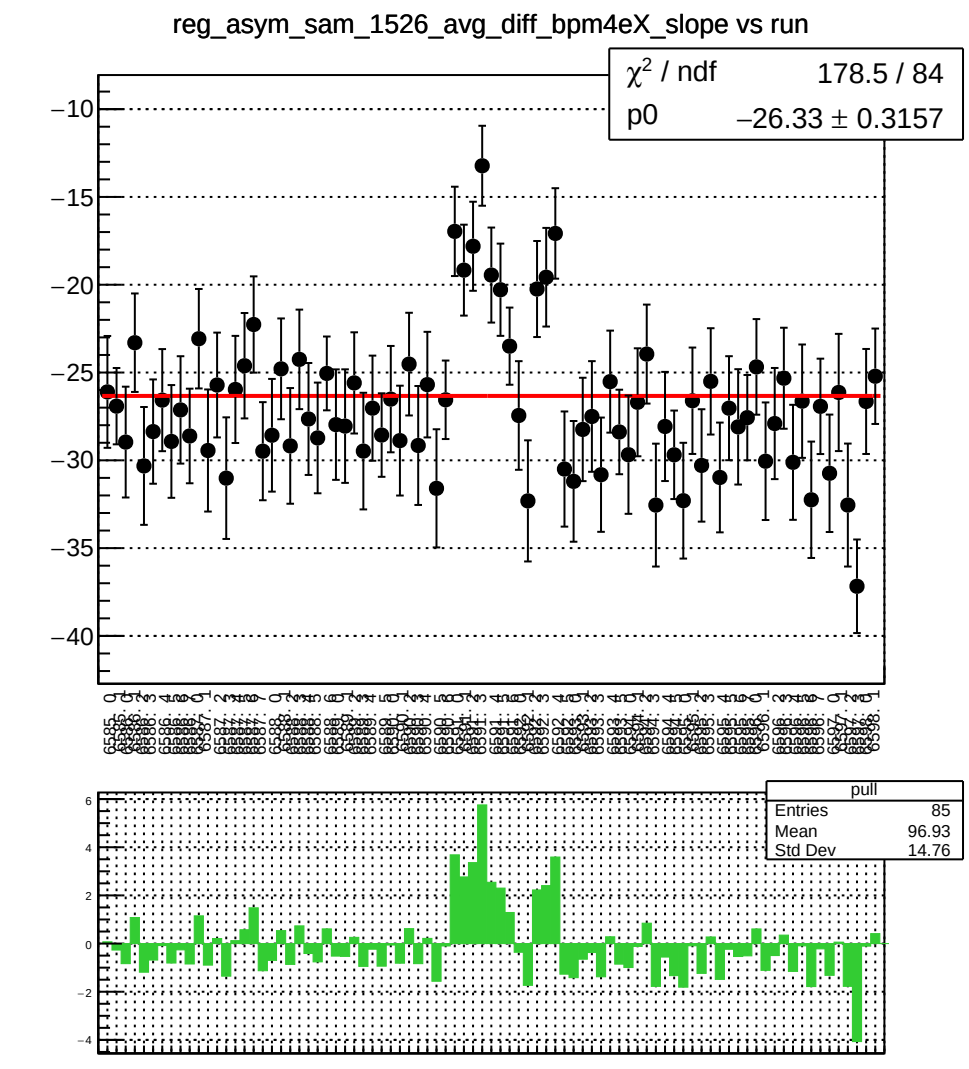

pull1D
Entries 85
Mean −0.1049
Std Dev 1.777
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

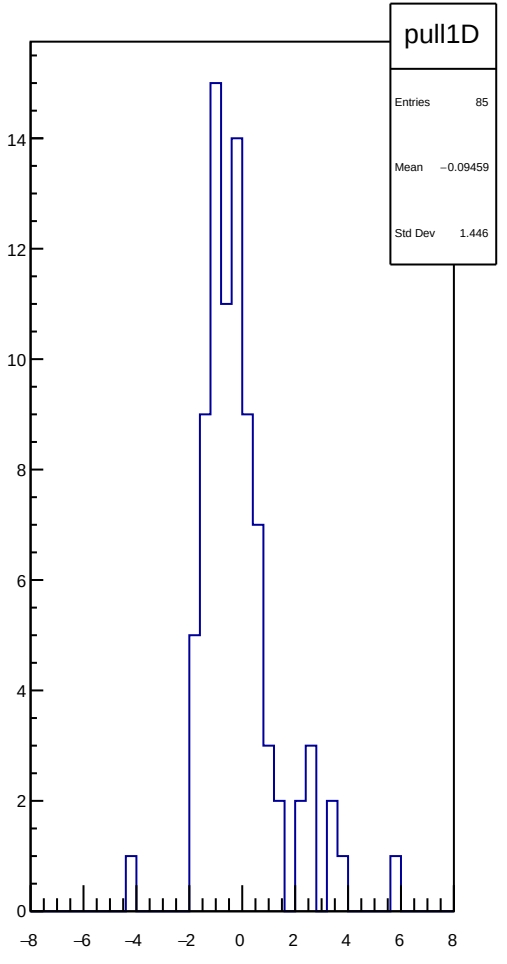

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 97.95 / 84
p0 63.68 ± 0.7123
pull
Entries 85
Mean 24.69
Std Dev 76.57
pull1D
Entries 85
Mean 0.03373
Std Dev 1.073

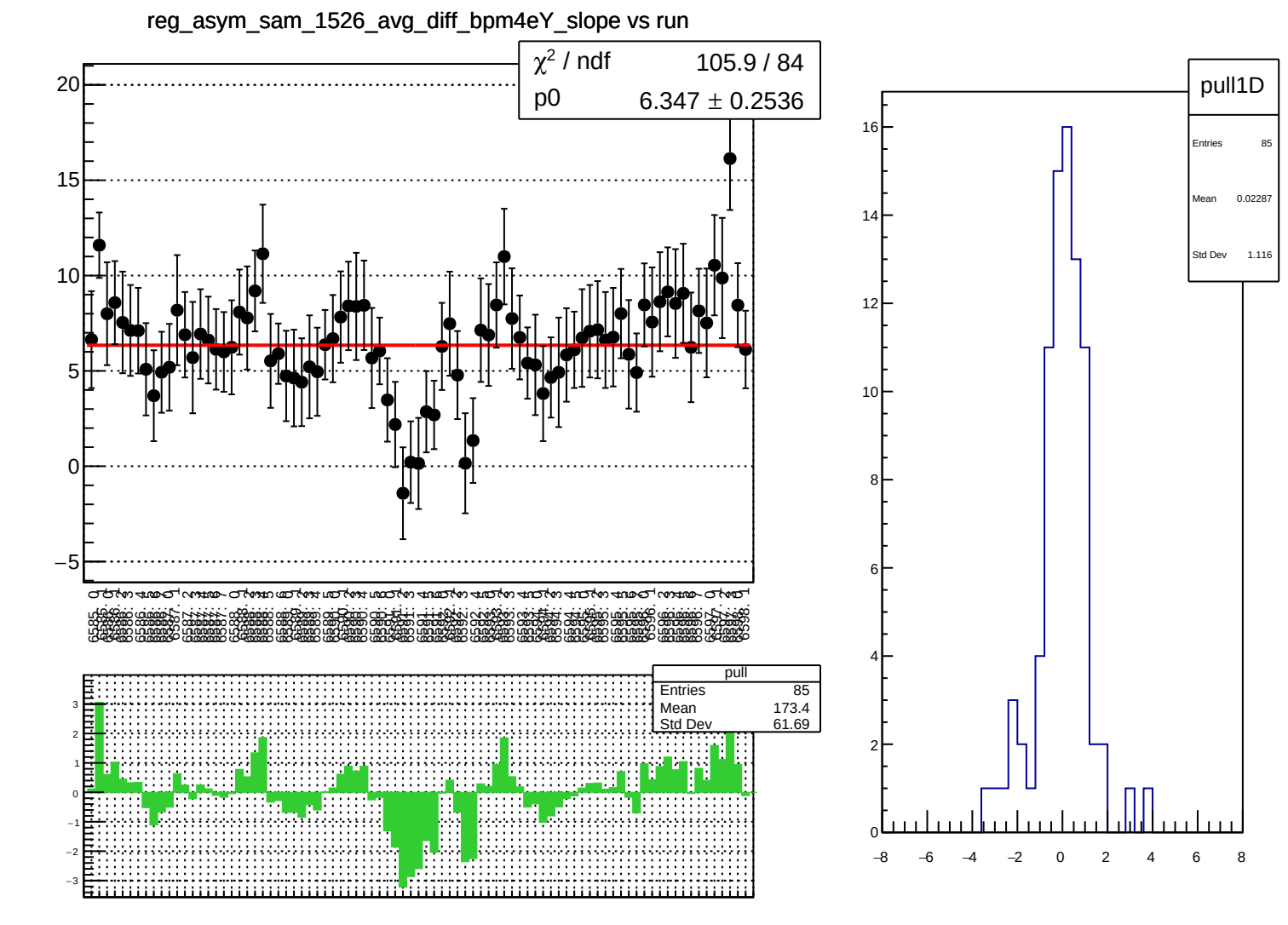

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 7.736 / 84
p0 0.09445 ± 0.03577
pull
Entries 85
Mean −420.5
Std Dev 458.6
pull1D
Entries 85
Mean −0.004584
Std Dev 0.3016

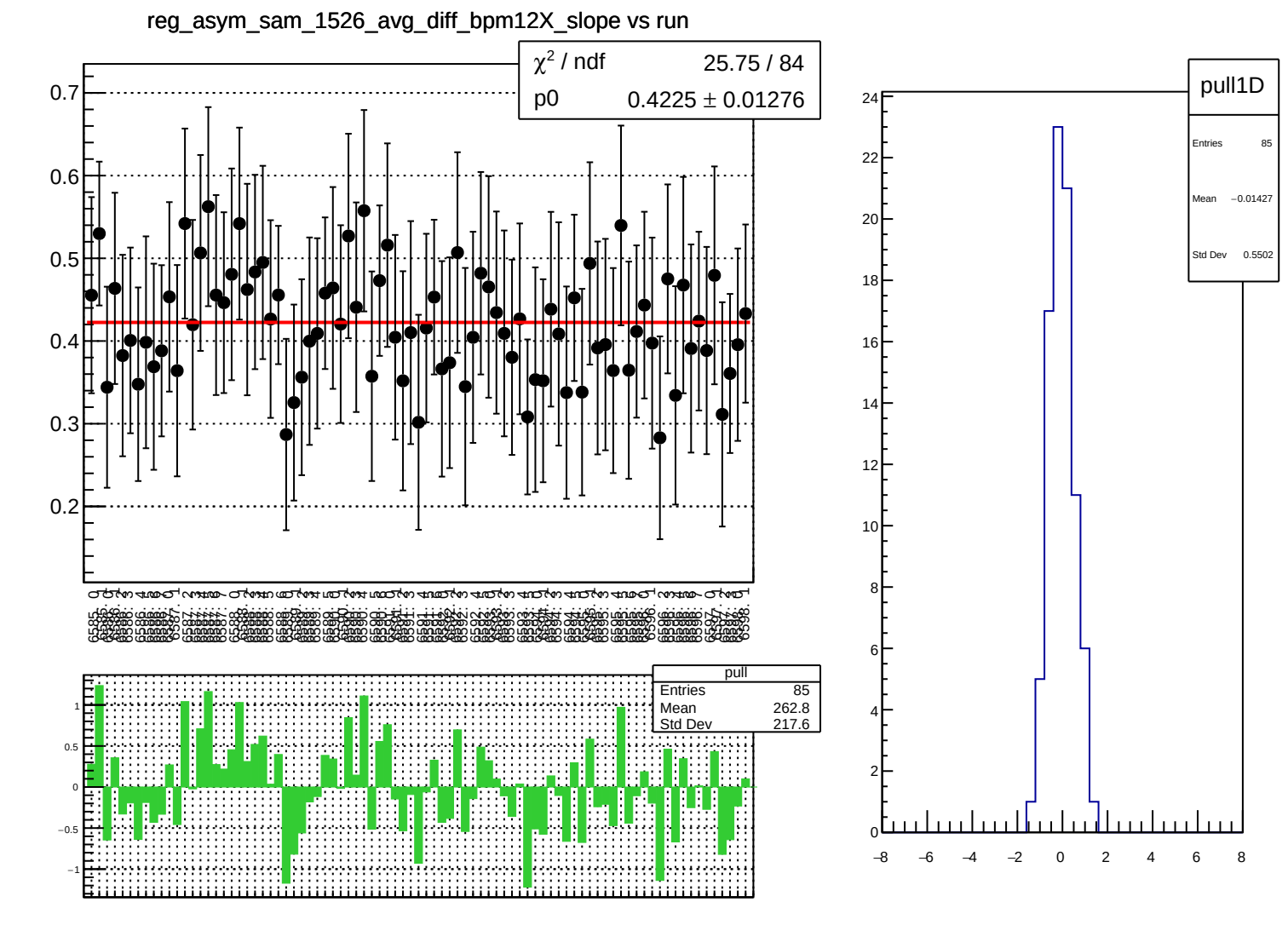

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 182.6 / 84
p0 −9.442 ± 0.2969
pull
Entries 85
Mean 78.39
Std Dev 50.24
pull1D
Entries 85
Mean 0.08813
Std Dev 1.463

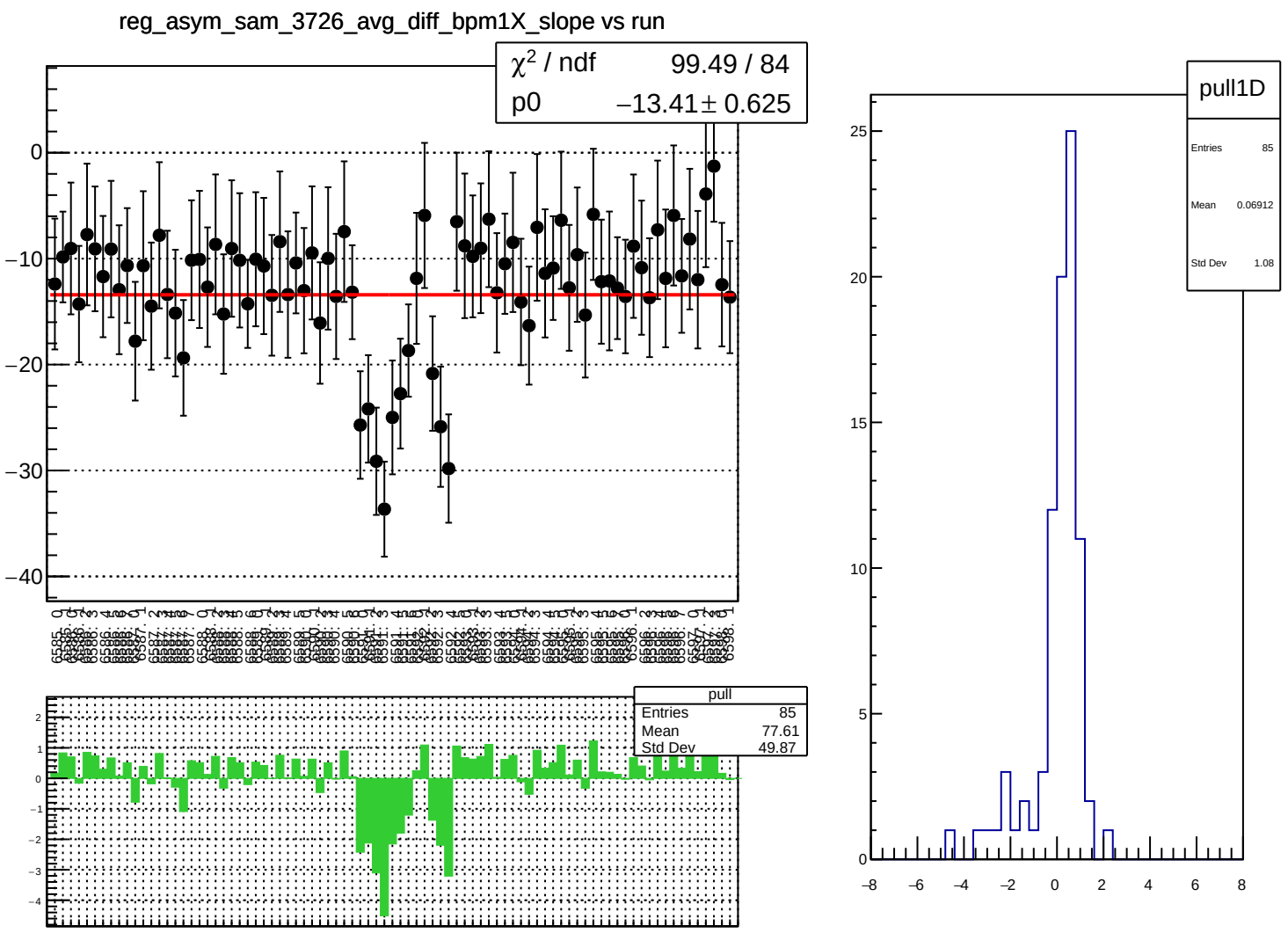

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 90.52 / 84
p0 3.258 ± 0.2101
pull
Entries 85
Mean 136.9
Std Dev 18.15
pull1D
Entries 85
Mean −0.02835
Std Dev 1.032

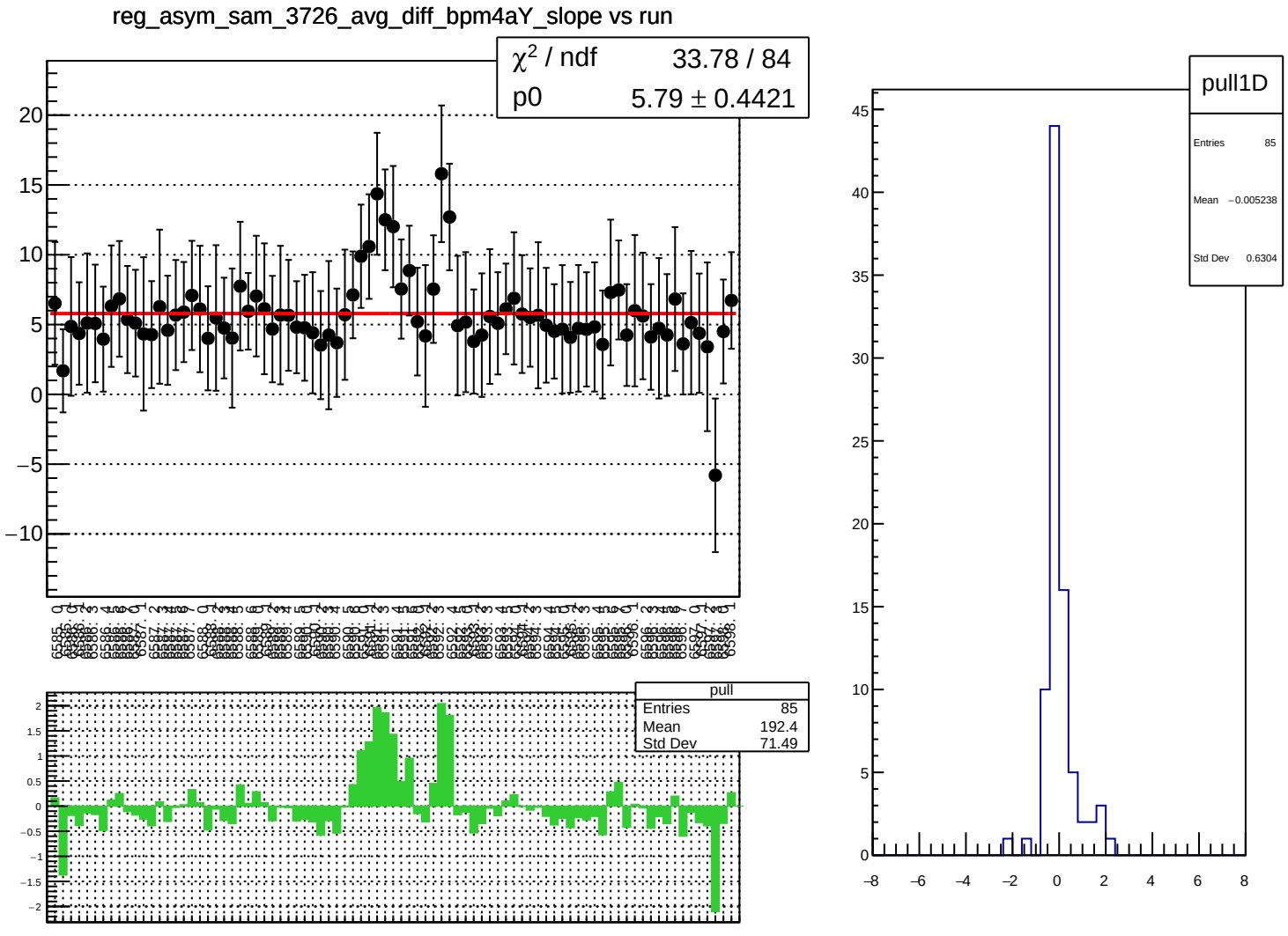

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 178.5 / 84
p0 −26.33 ± 0.3157
pull
Entries 85
Mean 96.93
Std Dev 14.76

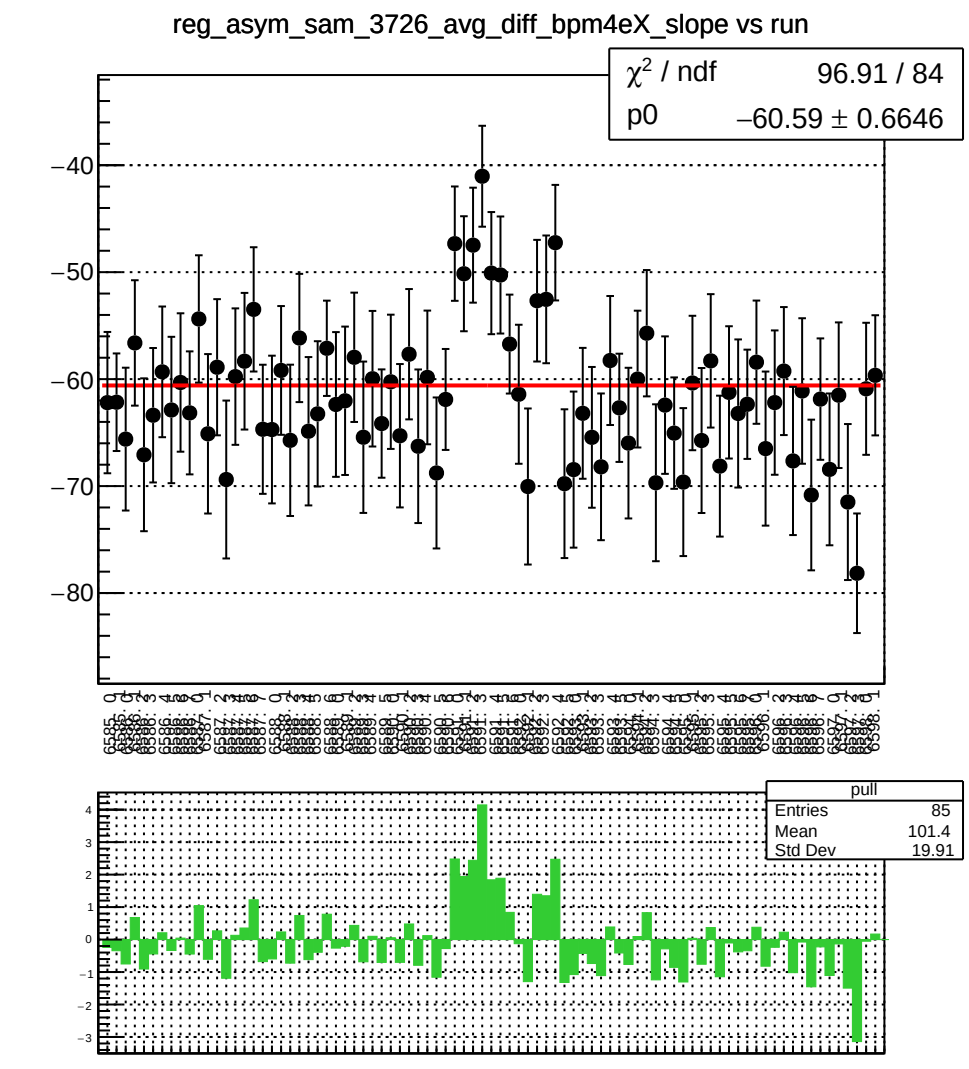

pull1D
Entries 85
Mean −0.09459
Std Dev 1.446

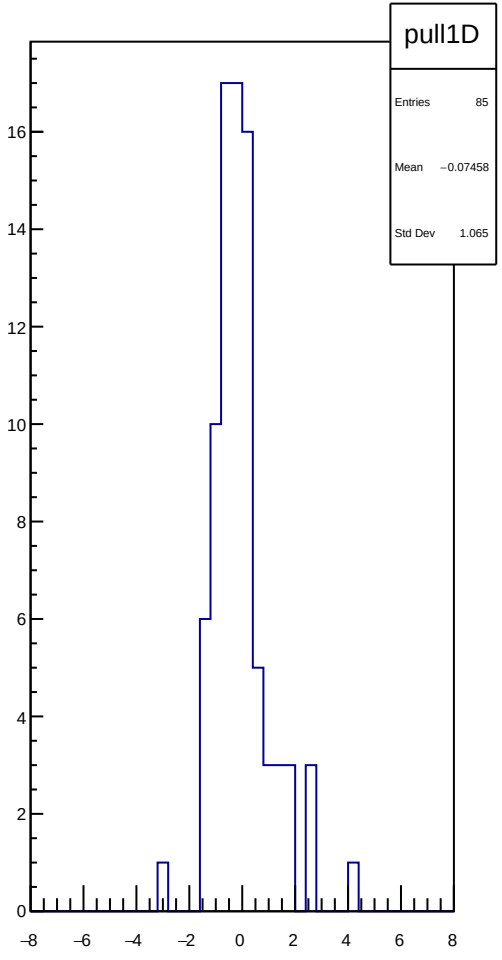

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 105.9 / 84
p0 6.347 ± 0.2536
pull
Entries 85
Mean 173.4
Std Dev 61.69
pull1D
Entries 85
Mean 0.02287
Std Dev 1.116

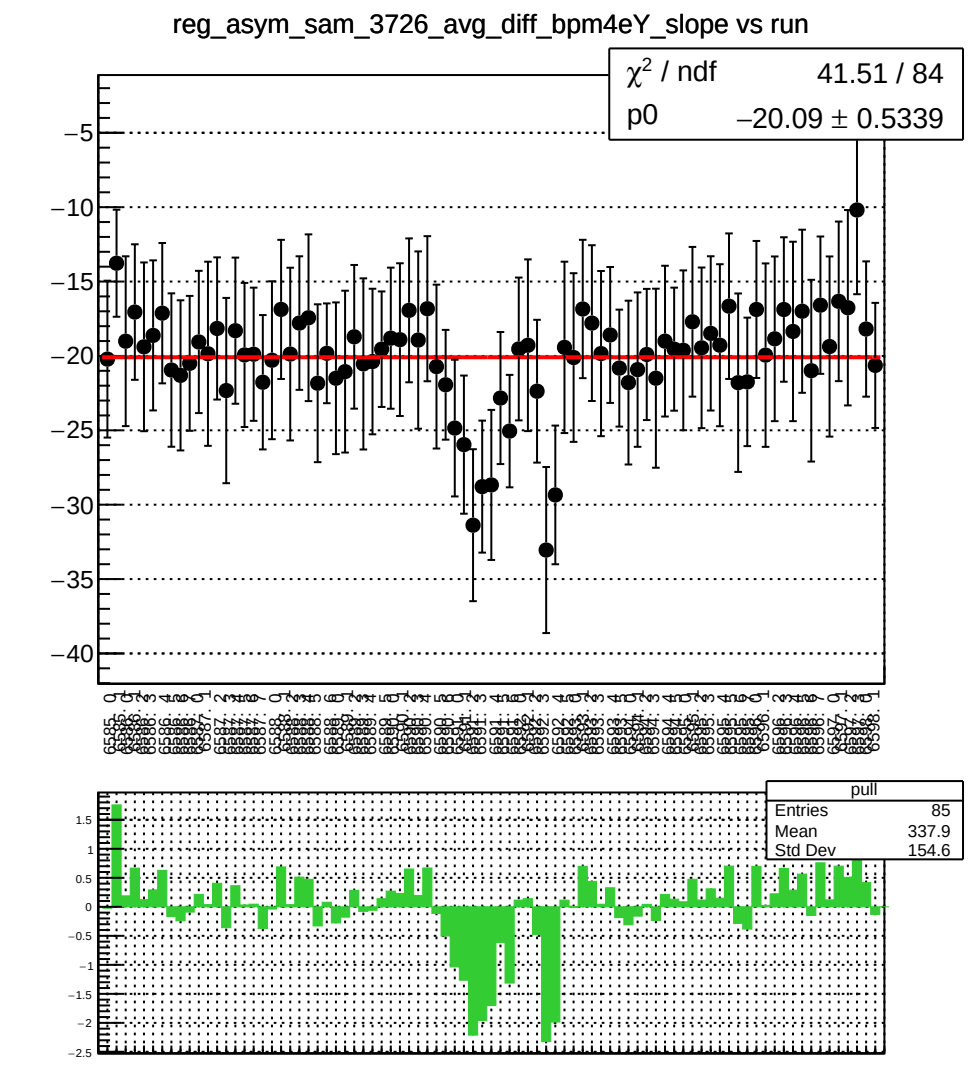

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 25.75 / 84
p0 0.4225 ± 0.01276
pull
Entries 85
Mean 262.8
Std Dev 217.6
pull1D
Entries 85
Mean −0.01427
Std Dev 0.5502

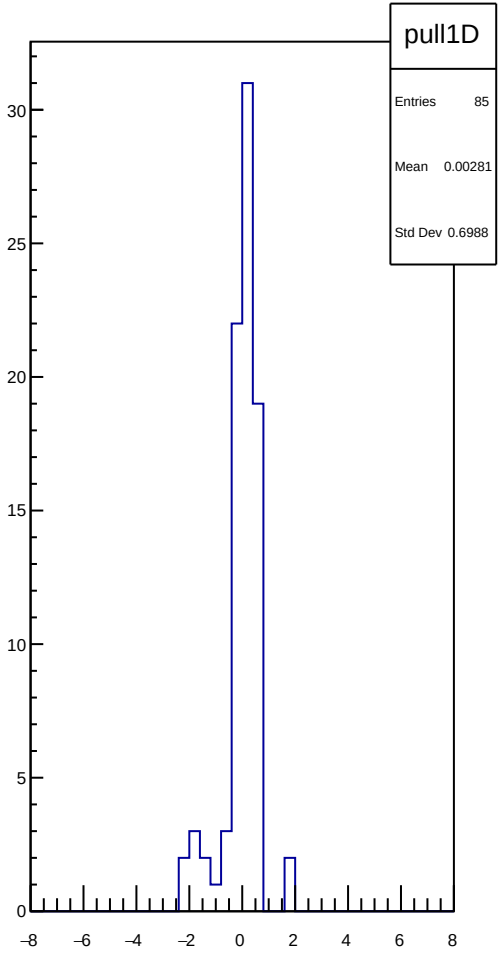

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 99.49 / 84
p0 −13.41 ± 0.625
pull
Entries 85
Mean 77.61
Std Dev 49.87
pull1D
Entries 85
Mean 0.06912
Std Dev 1.08

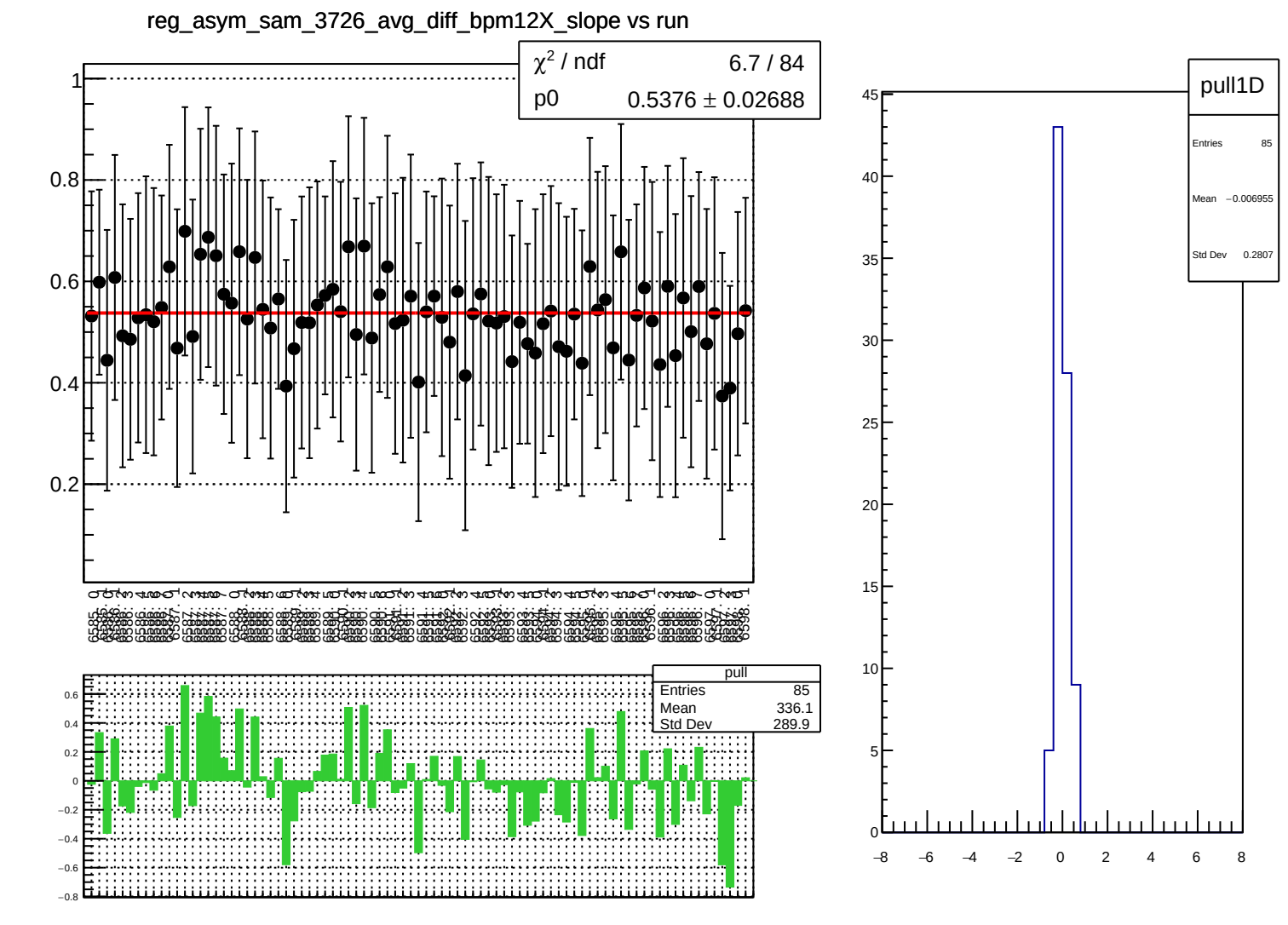

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.78 / 84
p0 5.79 ± 0.4421
pull
Entries 85
Mean 192.4
Std Dev 71.49
pull1D
Entries 85
Mean −0.005238
Std Dev 0.6304

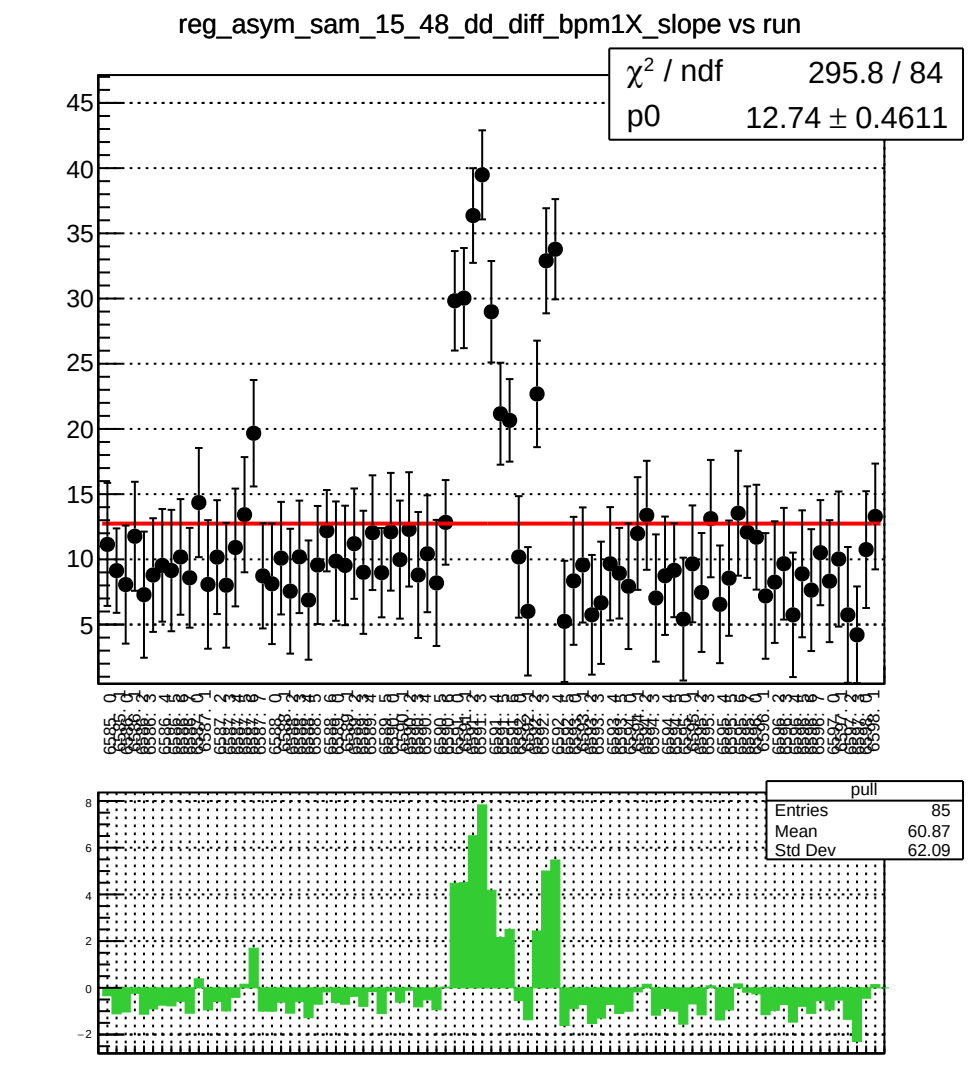

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 96.91 / 84
p0 −60.59 ± 0.6646
pull
Entries 85
Mean 101.4
Std Dev 19.91

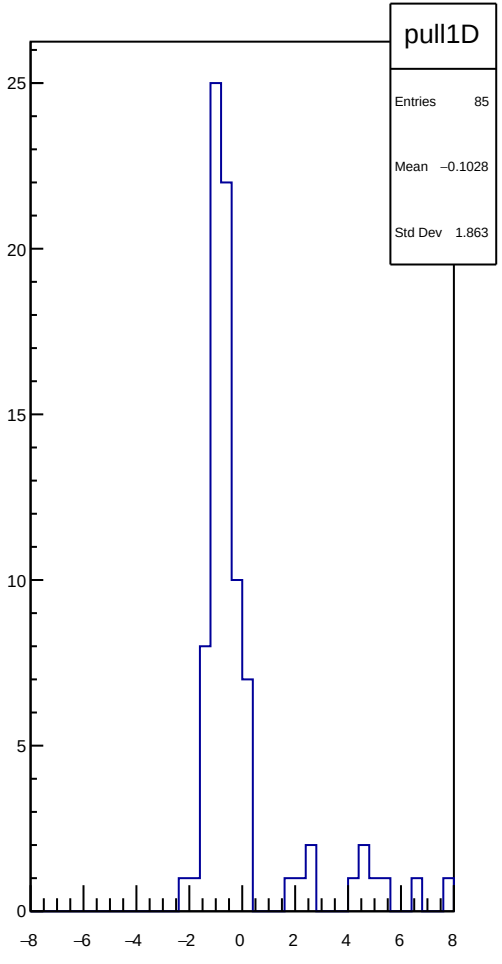

pull1D
Entries 85
Mean −0.07458
Std Dev 1.065

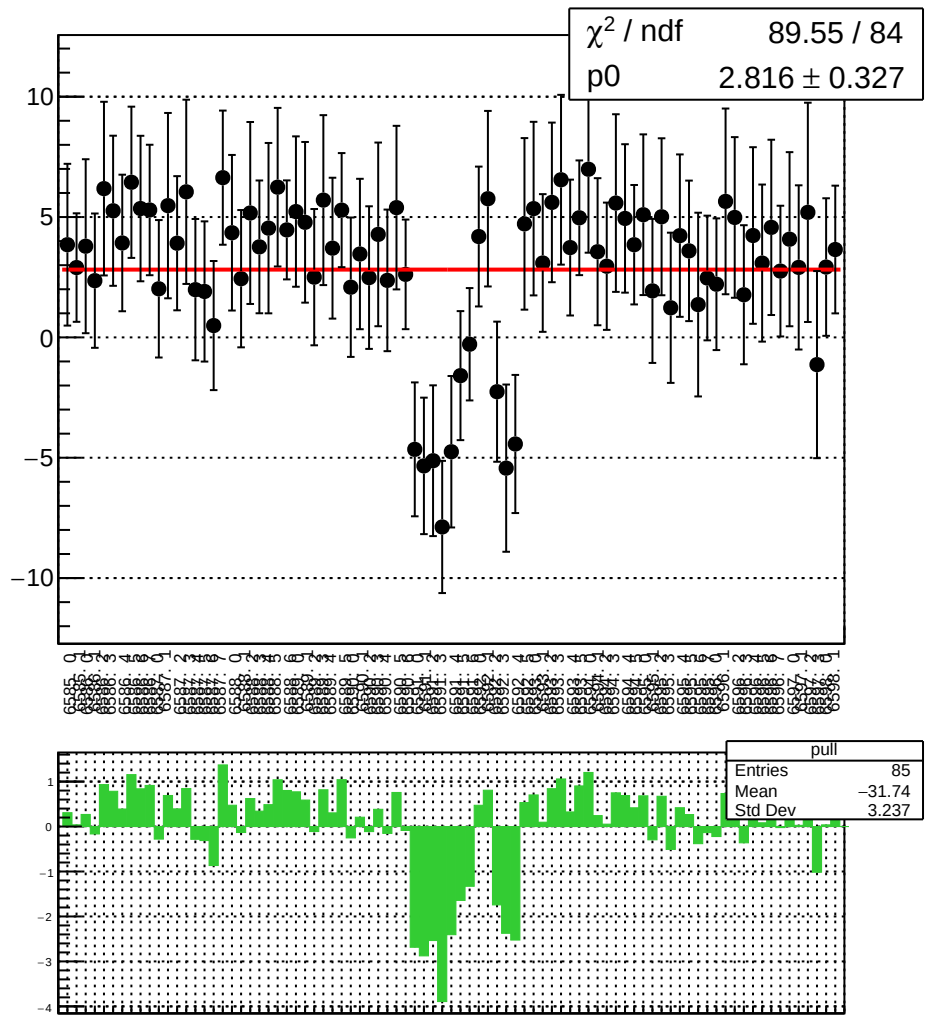

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.51 / 84
p0 −20.09 ± 0.5339
pull
Entries 85
Mean 337.9
Std Dev 154.6

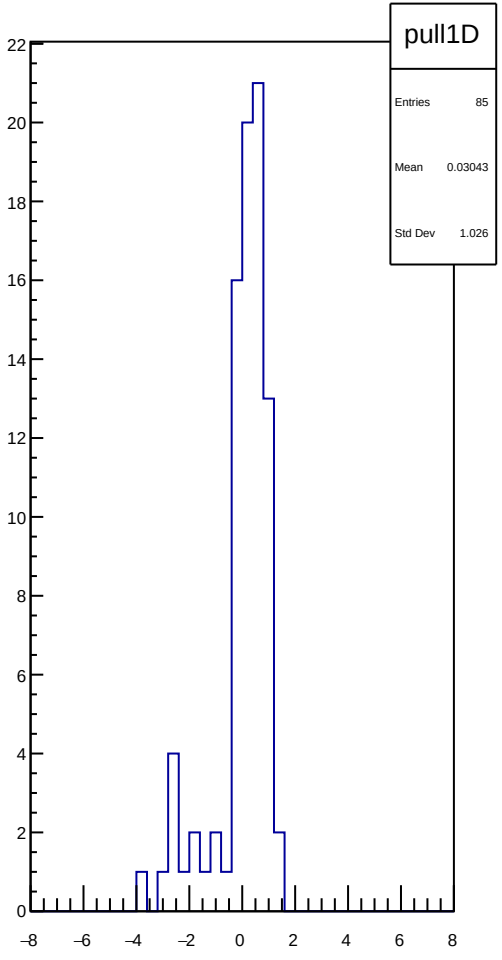

pull1D
Entries 85
Mean 0.00281
Std Dev 0.6988

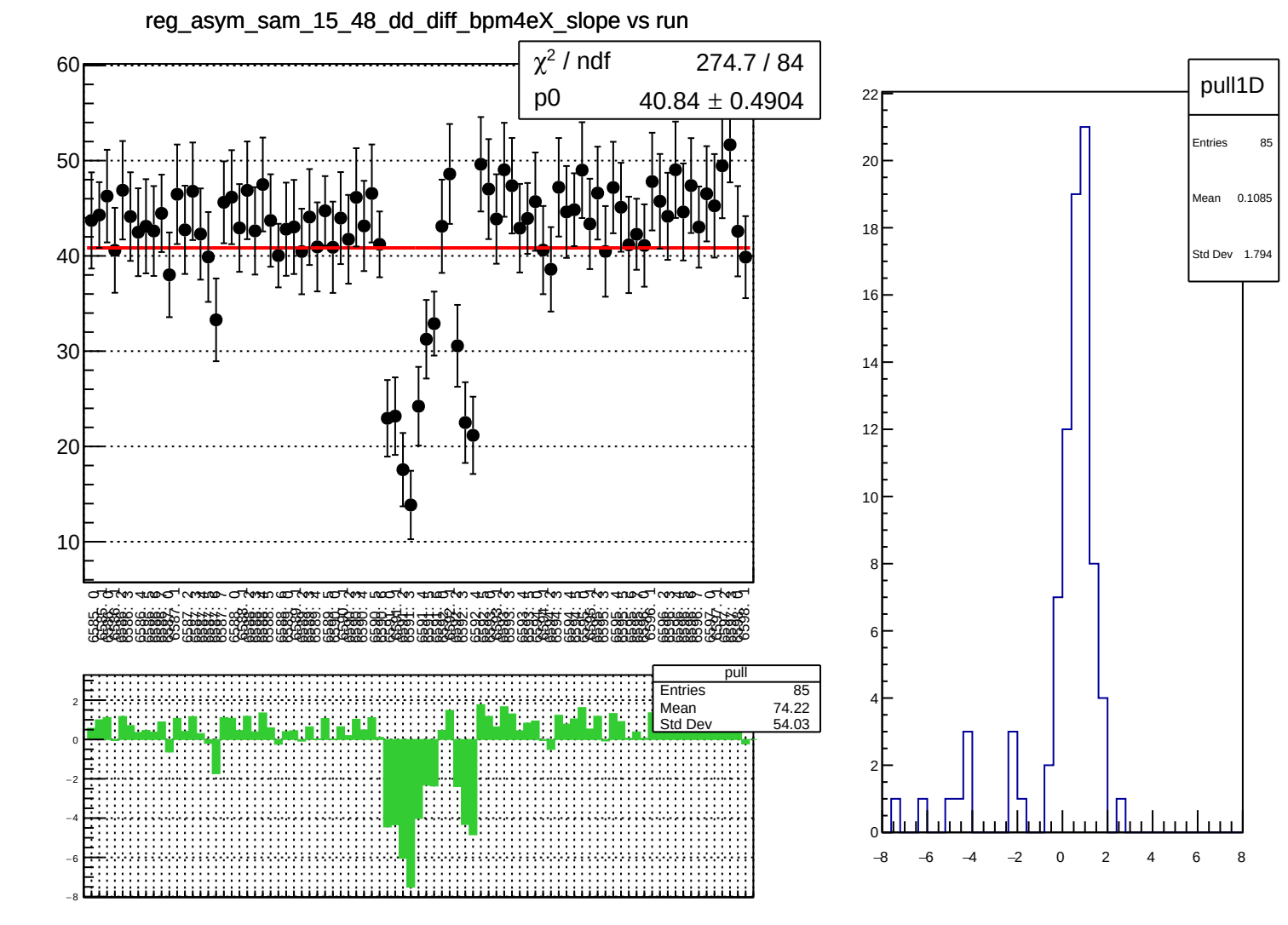

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 6.7 / 84
p0 0.5376 ± 0.02688
pull
Entries 85
Mean 336.1
Std Dev 289.9
pull1D
Entries 85
Mean −0.006955
Std Dev 0.2807

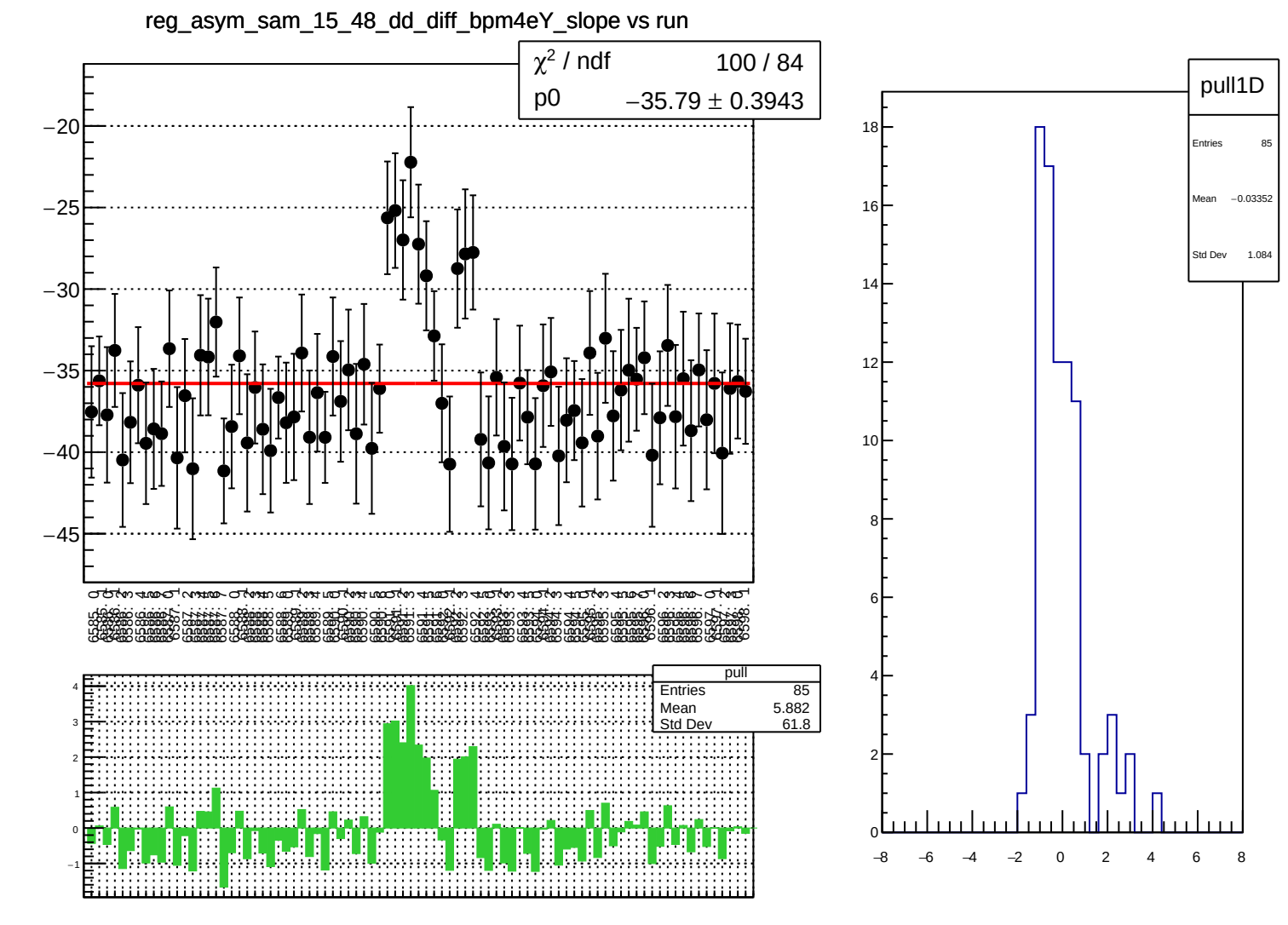

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 295.8 / 84
p0 12.74 ± 0.4611
pull
Entries 85
Mean 60.87
Std Dev 62.09

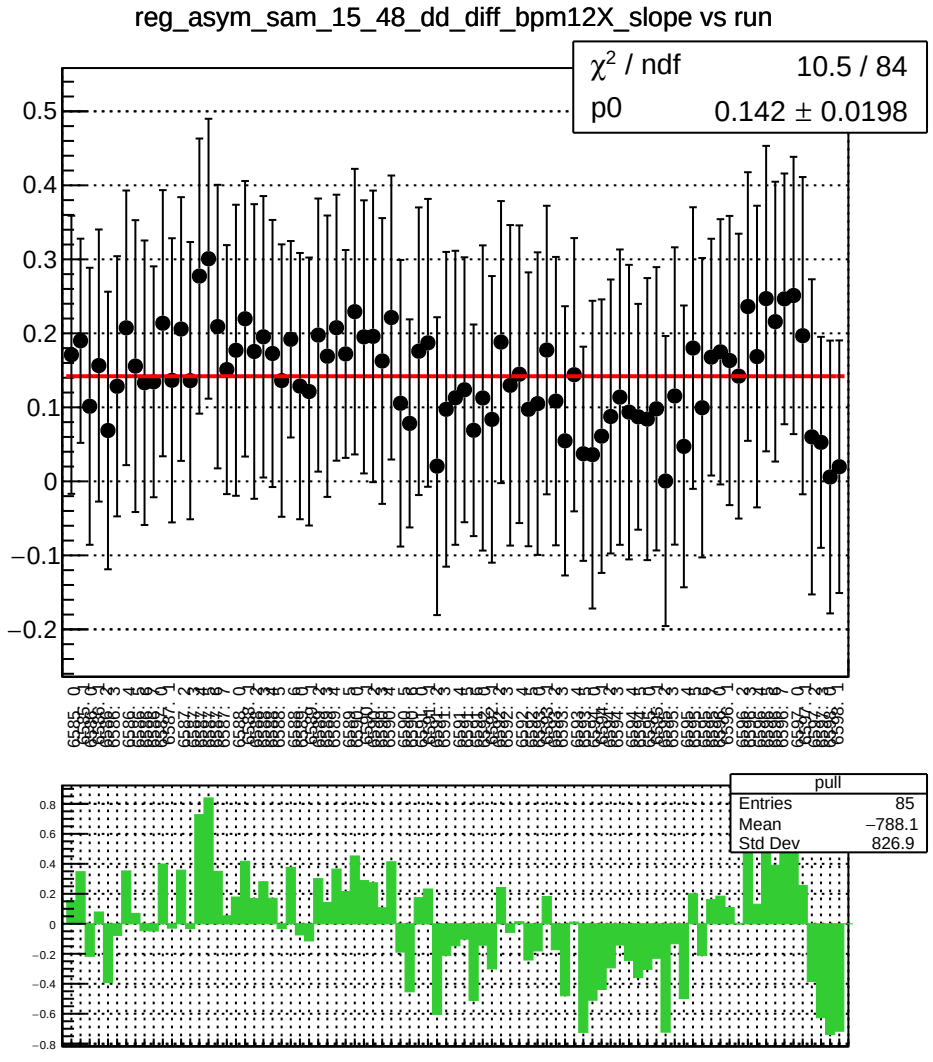

pull1D
Entries 85
Mean −0.1028
Std Dev 1.863

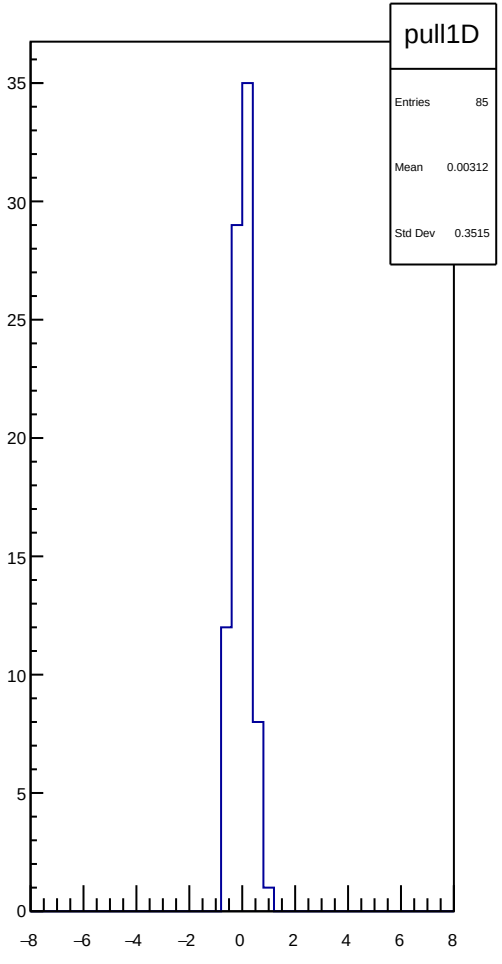

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 89.55 / 84
p0 2.816 ± 0.327
pull
Entries 85
Mean −31.74
Std Dev 3.237

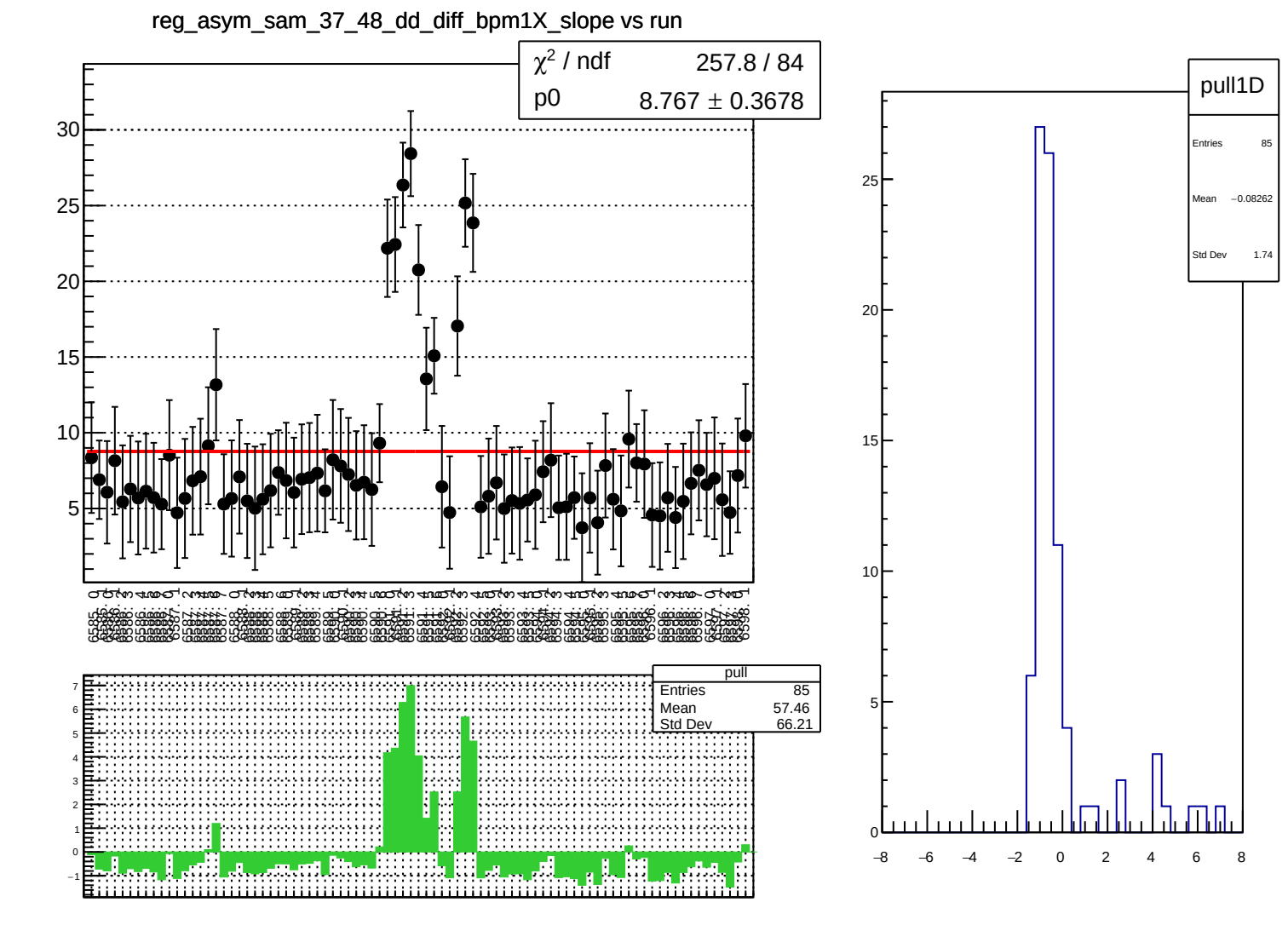

pull1D
Entries 85
Mean 0.03043
Std Dev 1.026

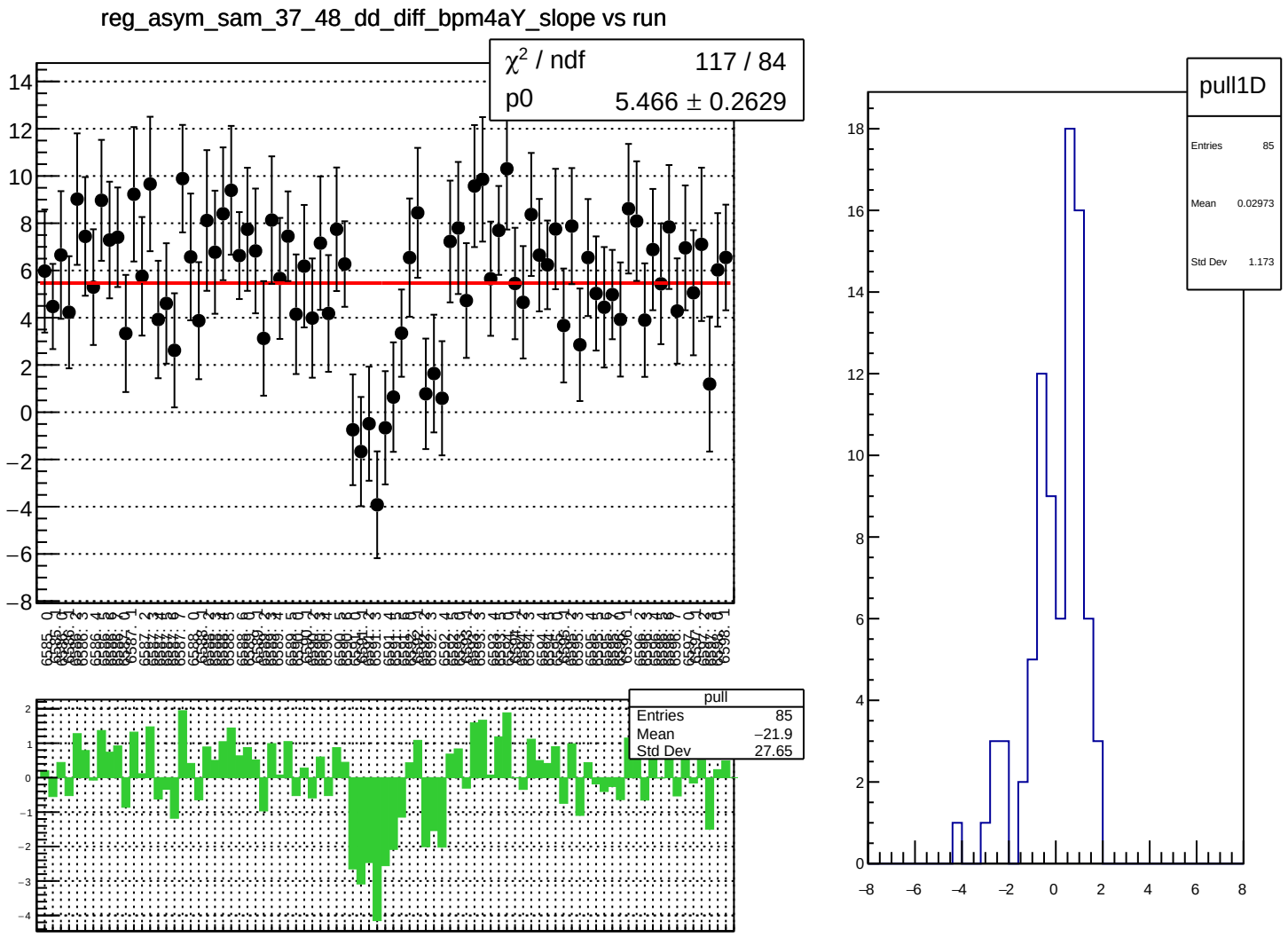

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 274.7 / 84
p0 40.84 ± 0.4904
pull
Entries 85
Mean 74.22
Std Dev 54.03
pull1D
Entries 85
Mean 0.1085
Std Dev 1.794

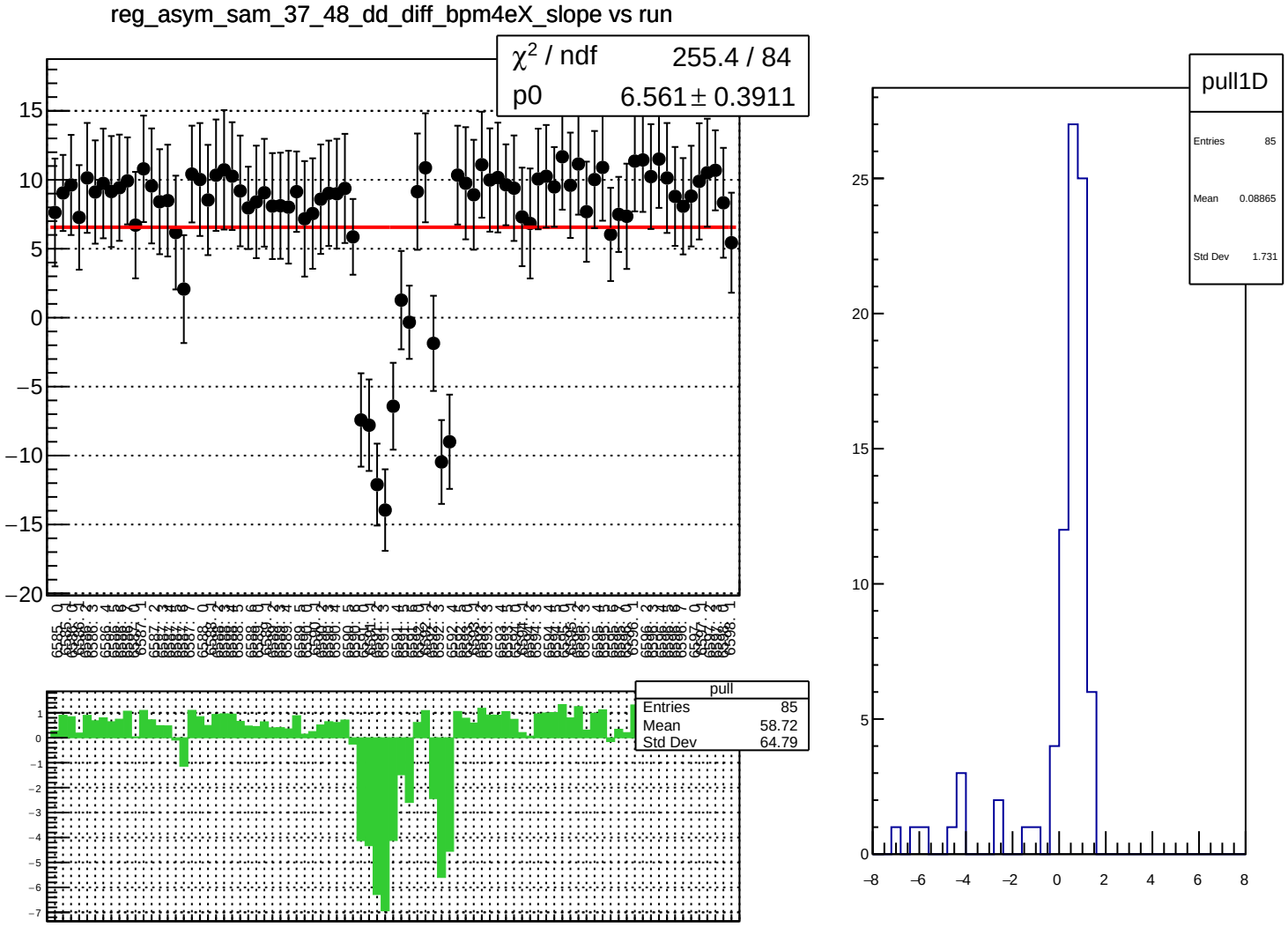

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 100 / 84
p0 −35.79 ± 0.3943
pull
Entries 85
Mean 5.882
Std Dev 61.8
pull1D
Entries 85
Mean −0.03352
Std Dev 1.084

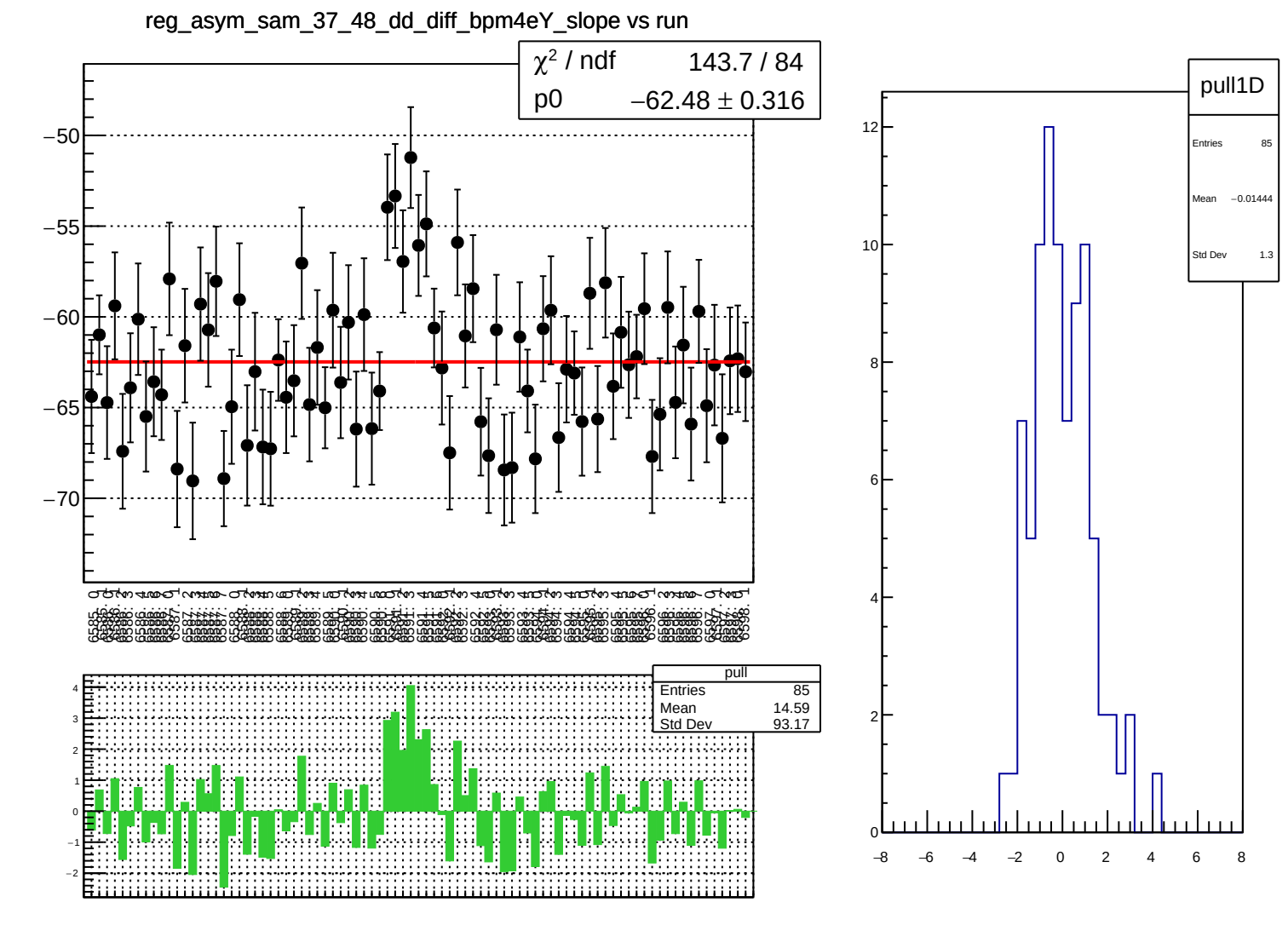

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.5 / 84
p0 0.142 ± 0.0198
pull
Entries 85
Mean −788.1
Std Dev 826.9

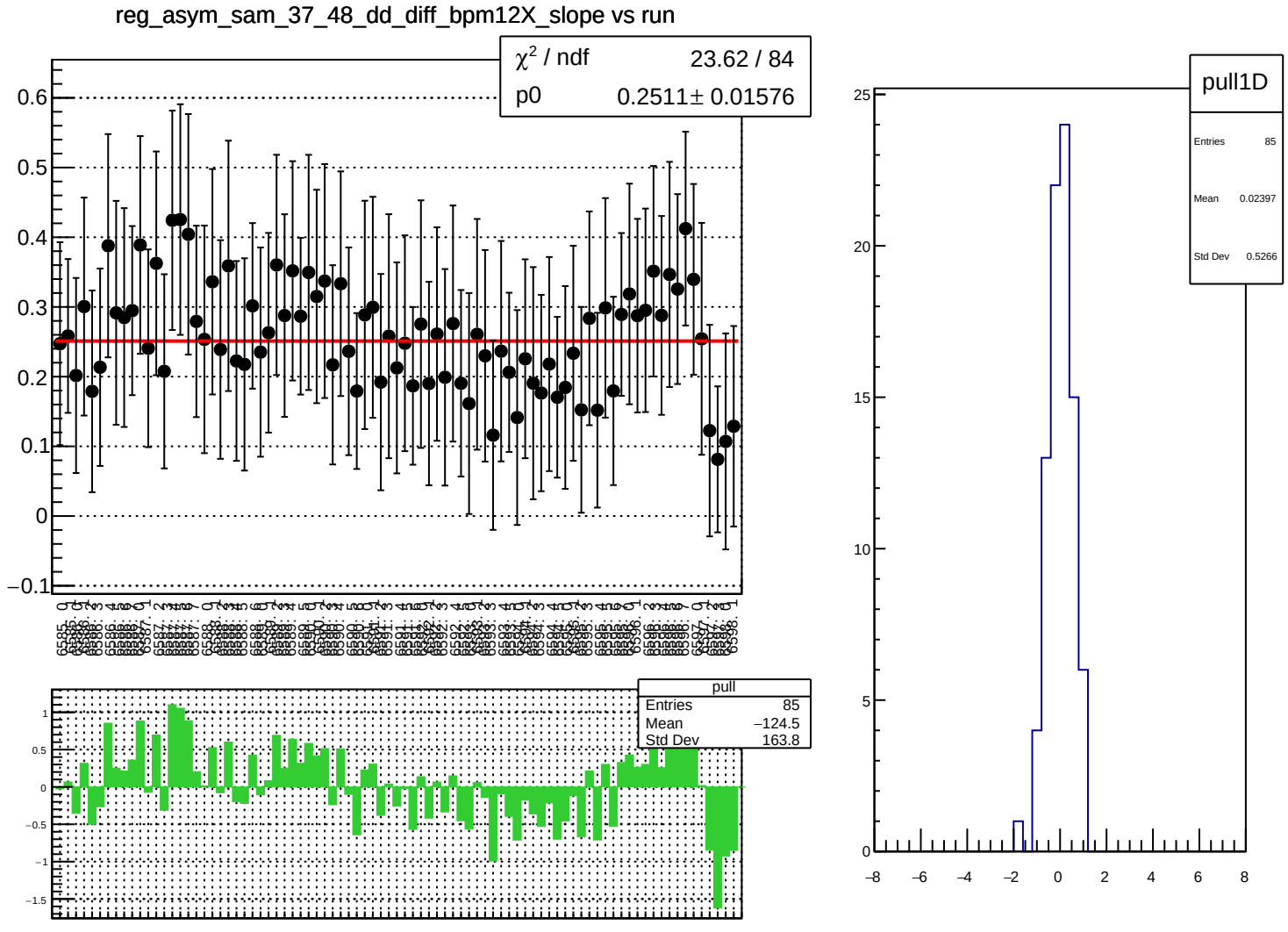

pull1D
Entries 85
Mean 0.00312
Std Dev 0.3515

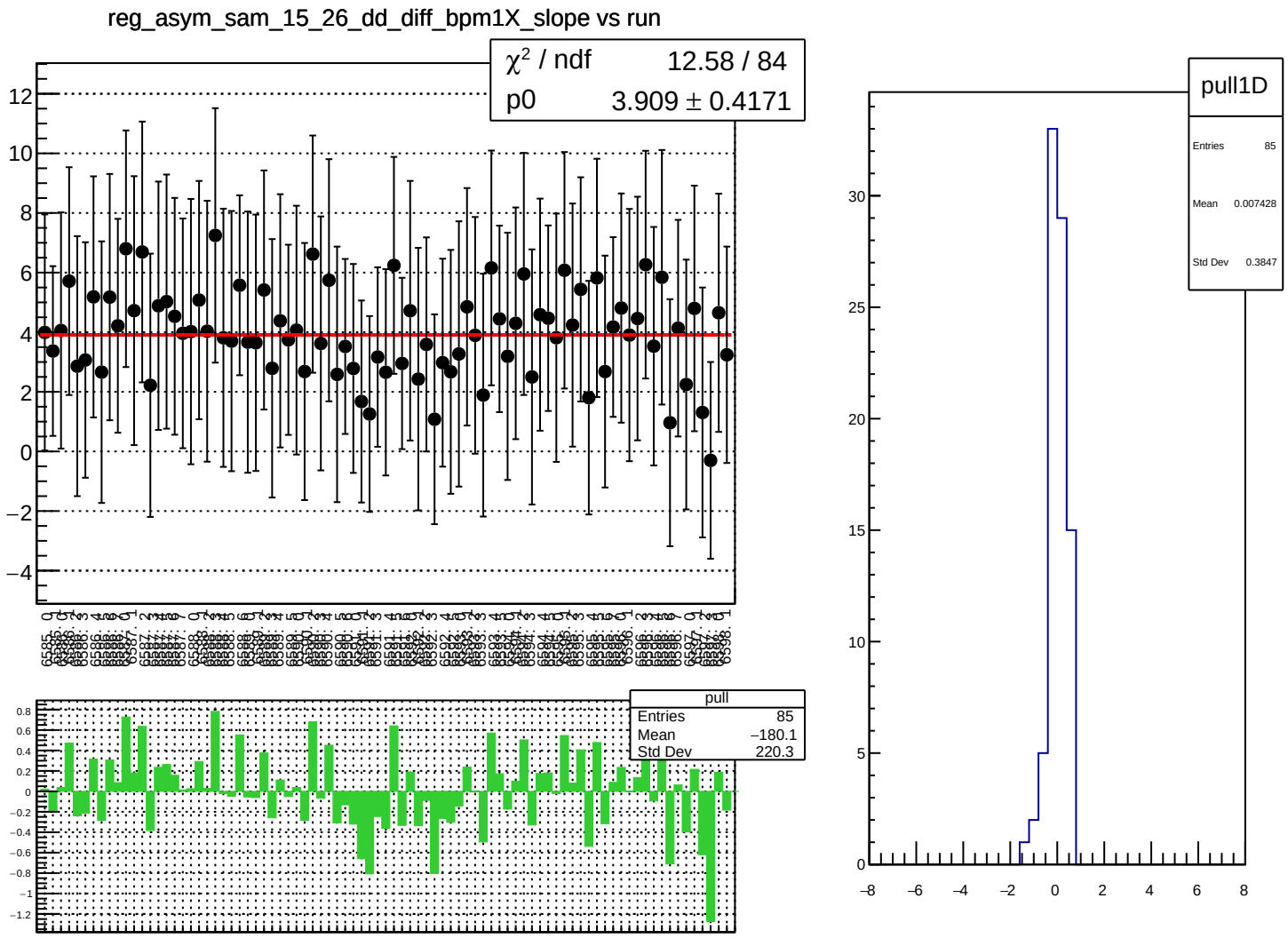

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 257.8 / 84
p0 8.767 ± 0.3678
pull
Entries 85
Mean 57.46
Std Dev 66.21
pull1D
Entries 85
Mean −0.08262
Std Dev 1.74

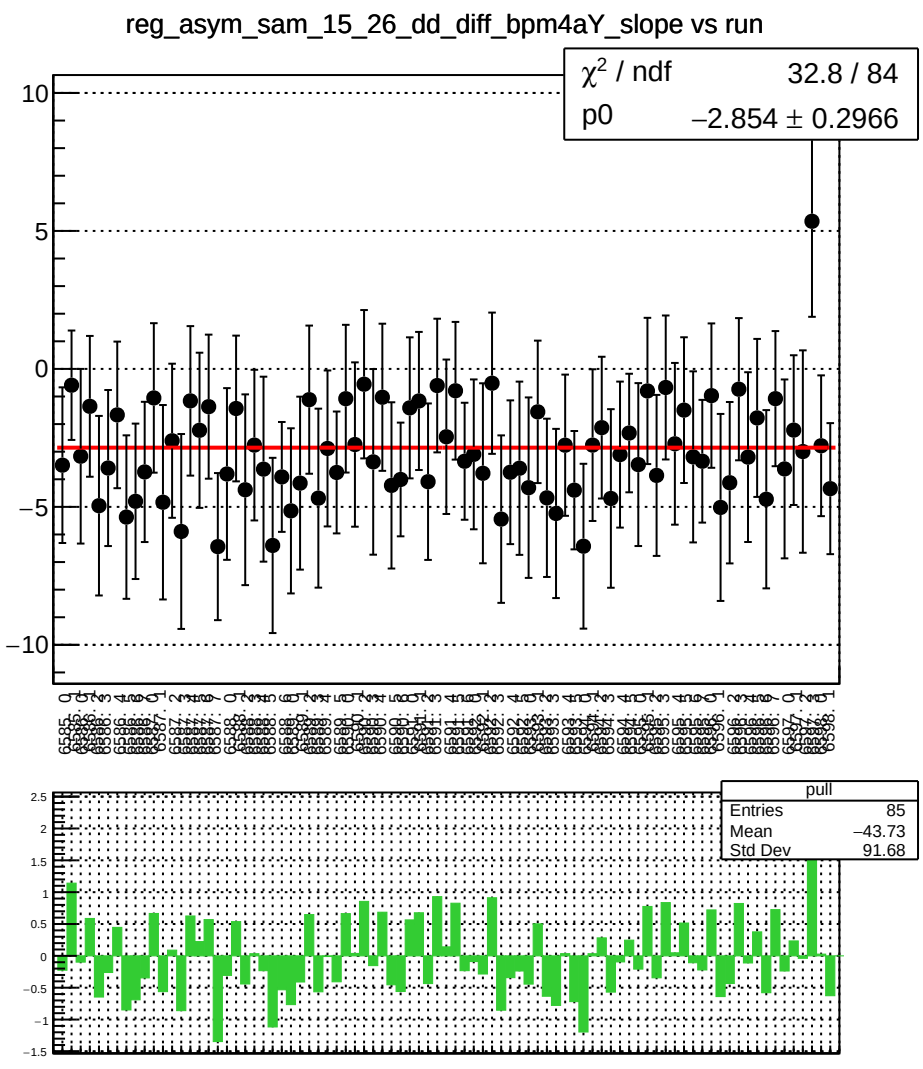

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 117 / 84
p0 5.466 ± 0.2629
pull
Entries 85
Mean −21.9
Std Dev 27.65
pull1D
Entries 85
Mean 0.02973
Std Dev 1.173

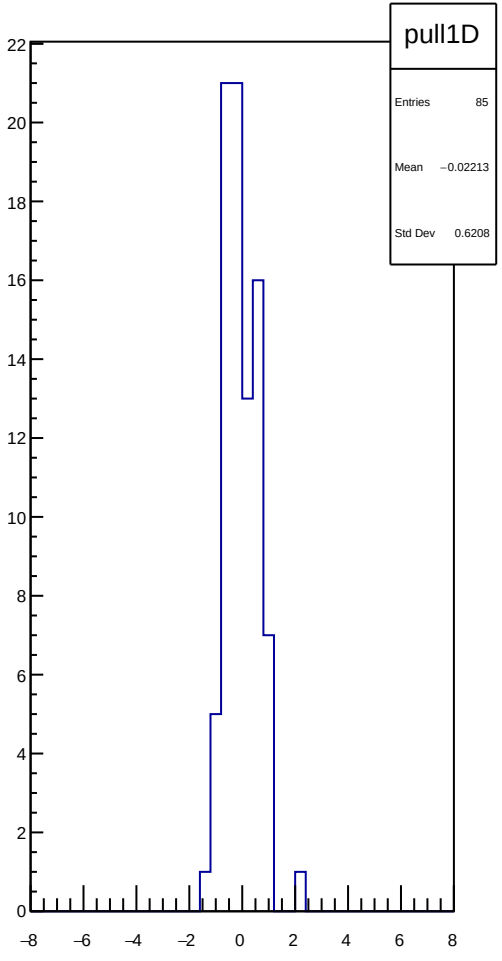

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 255.4 / 84
p0 6.561 ± 0.3911
pull
Entries 85
Mean 58.72
Std Dev 64.79
pull1D
Entries 85
Mean 0.08865
Std Dev 1.731

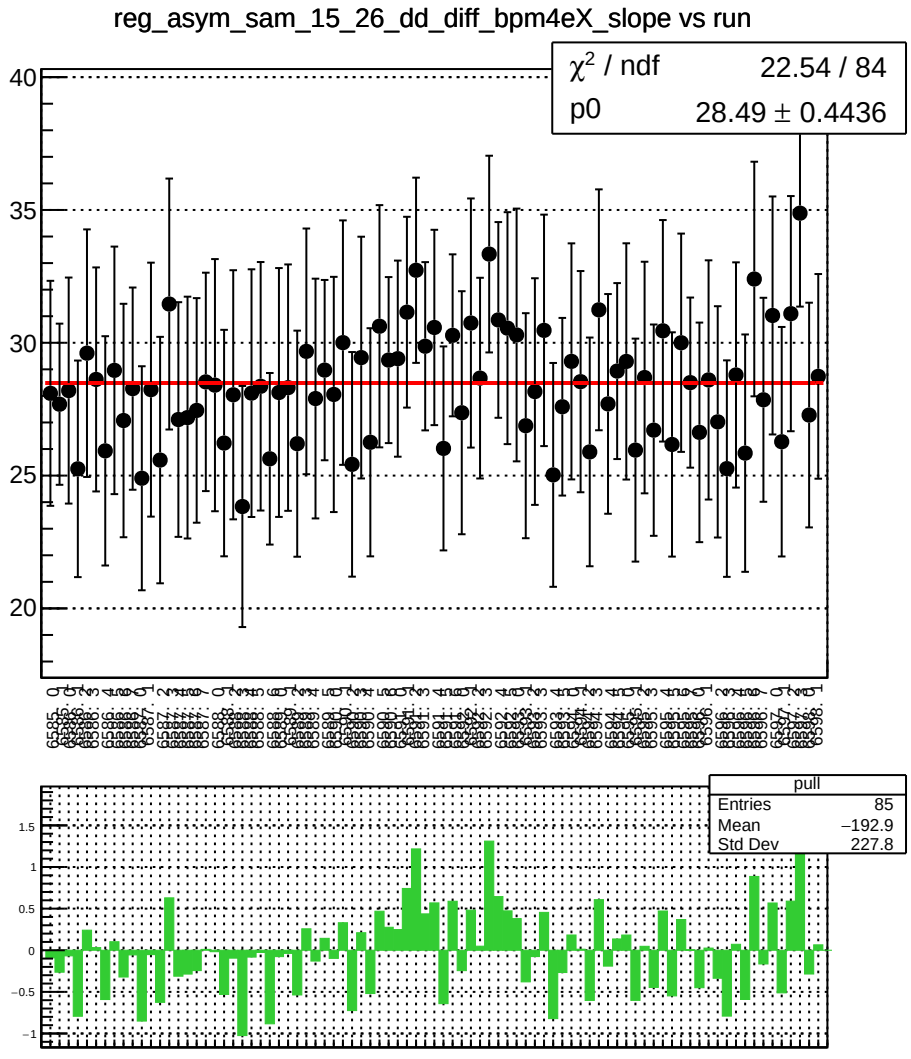

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 143.7 / 84
p0 −62.48 ± 0.316
pull
Entries 85
Mean 14.59
Std Dev 93.17
pull1D
Entries 85
Mean −0.01444
Std Dev 1.3

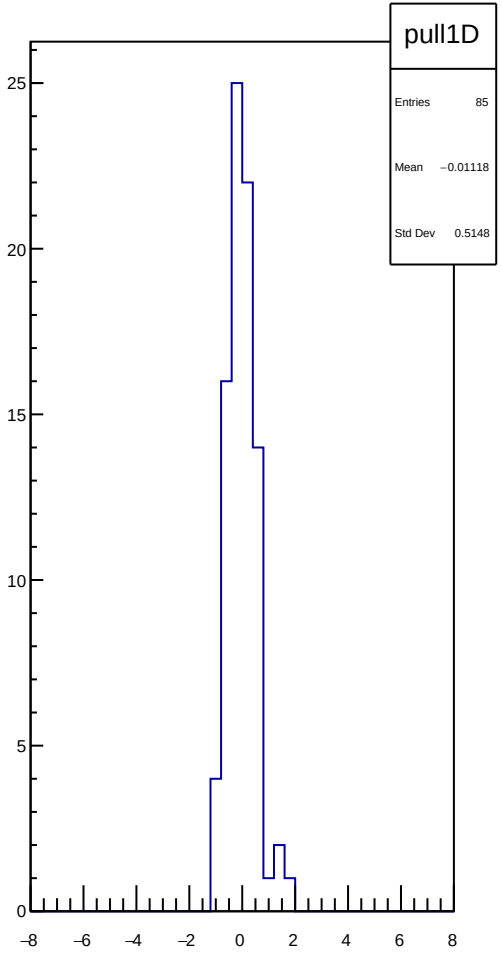

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 23.62 / 84
p0 0.2511± 0.01576
pull
Entries 85
Mean −124.5
Std Dev 163.8
pull1D
Entries 85
Mean 0.02397
Std Dev 0.5266

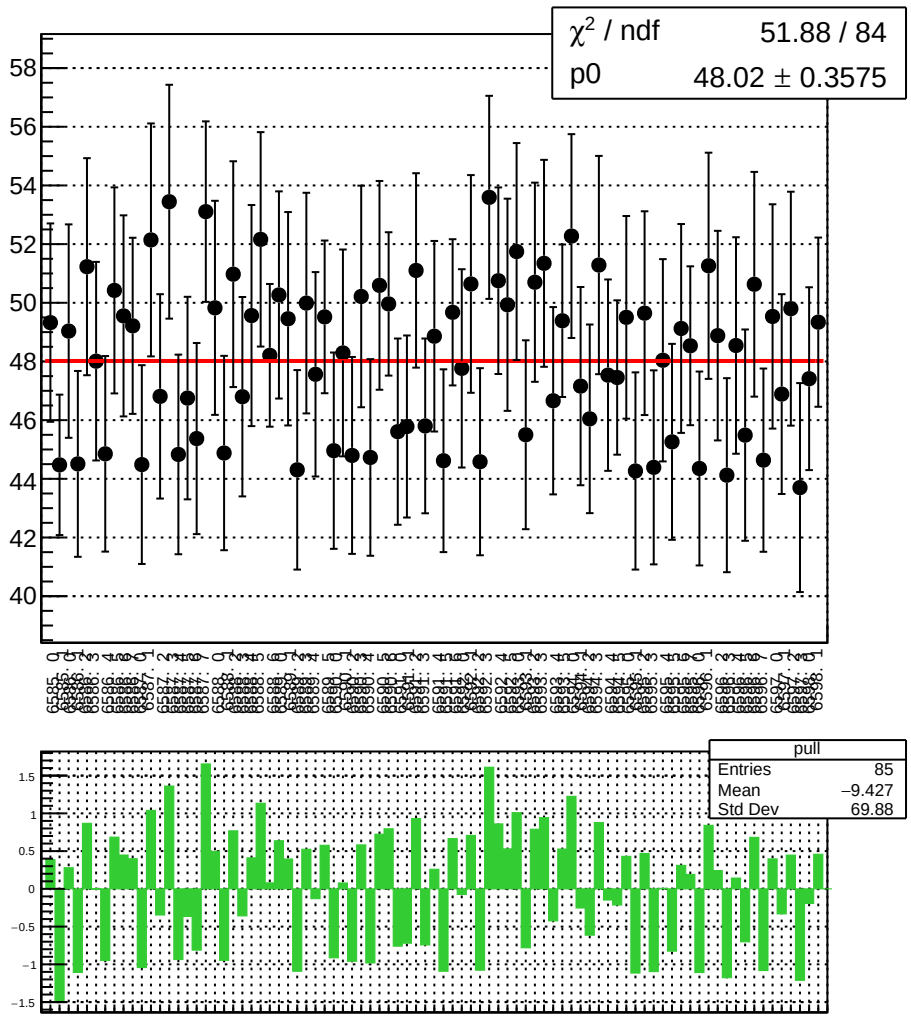

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 12.58 / 84
p0 3.909 ± 0.4171
pull
Entries 85
Mean −180.1
Std Dev 220.3
pull1D
Entries 85
Mean 0.007428
Std Dev 0.3847

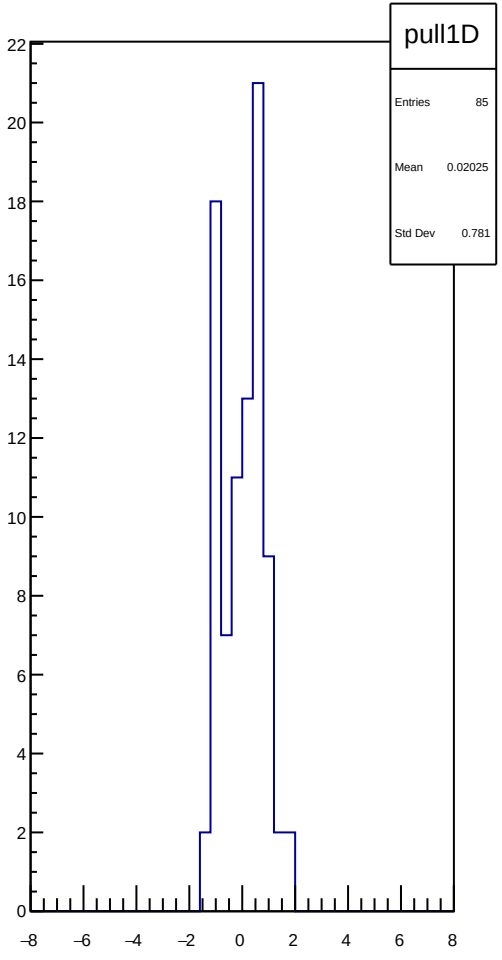

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 32.8 / 84
p0 −2.854 ± 0.2966
pull
Entries 85
Mean −43.73
Std Dev 91.68

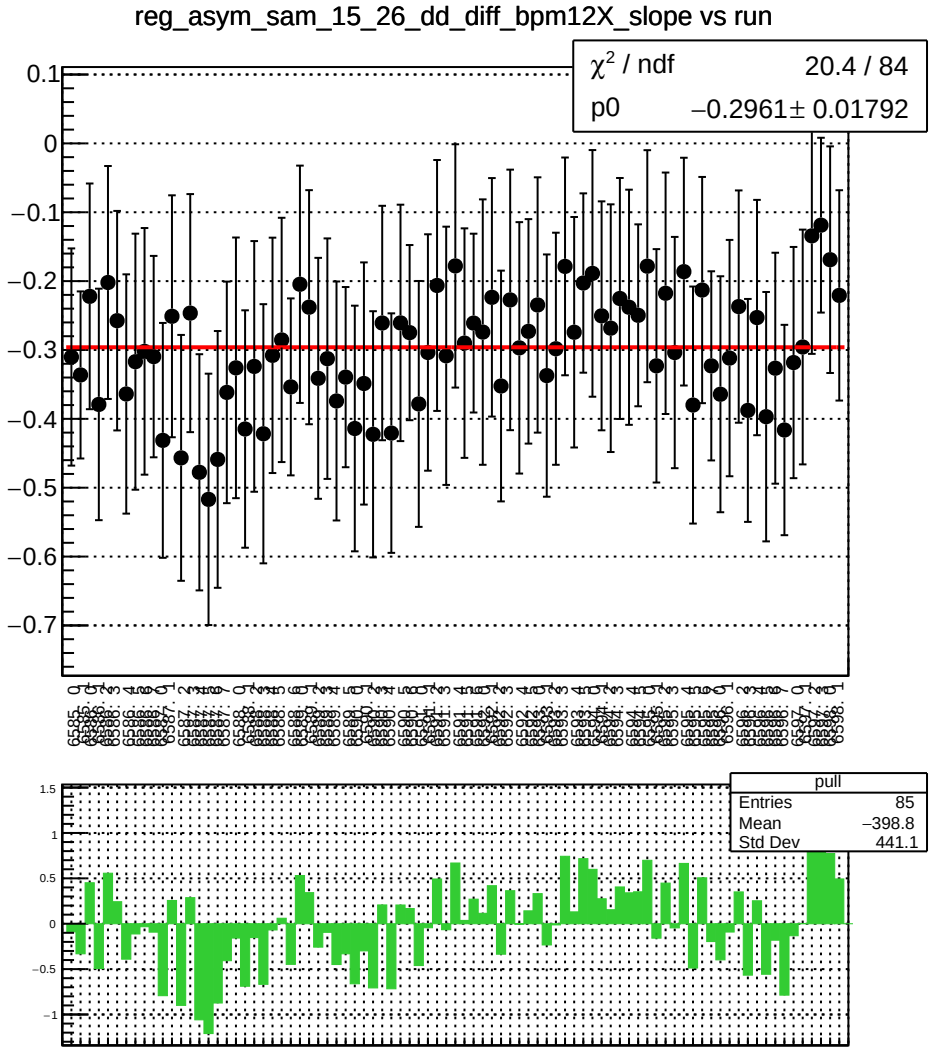

pull1D
Entries 85
Mean −0.02213
Std Dev 0.6208

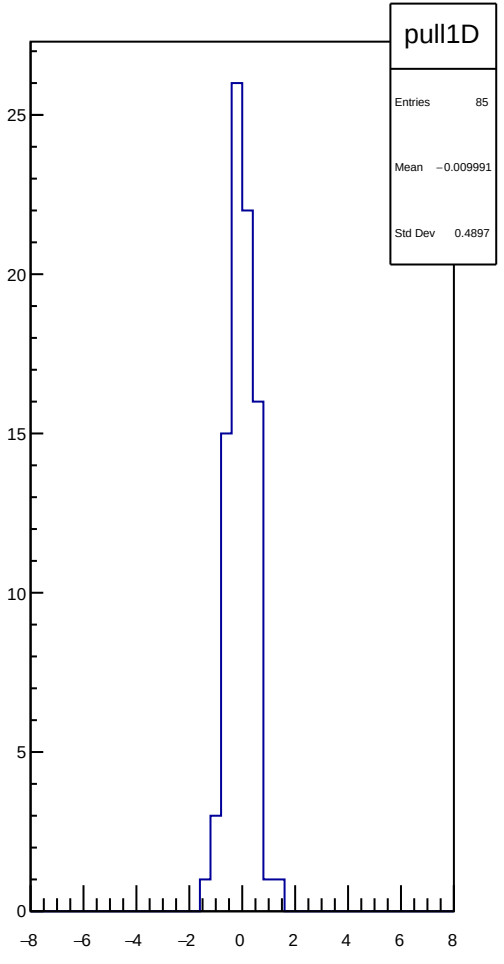

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.54 / 84
p0 28.49 ± 0.4436
pull
Entries 85
Mean −192.9
Std Dev 227.8

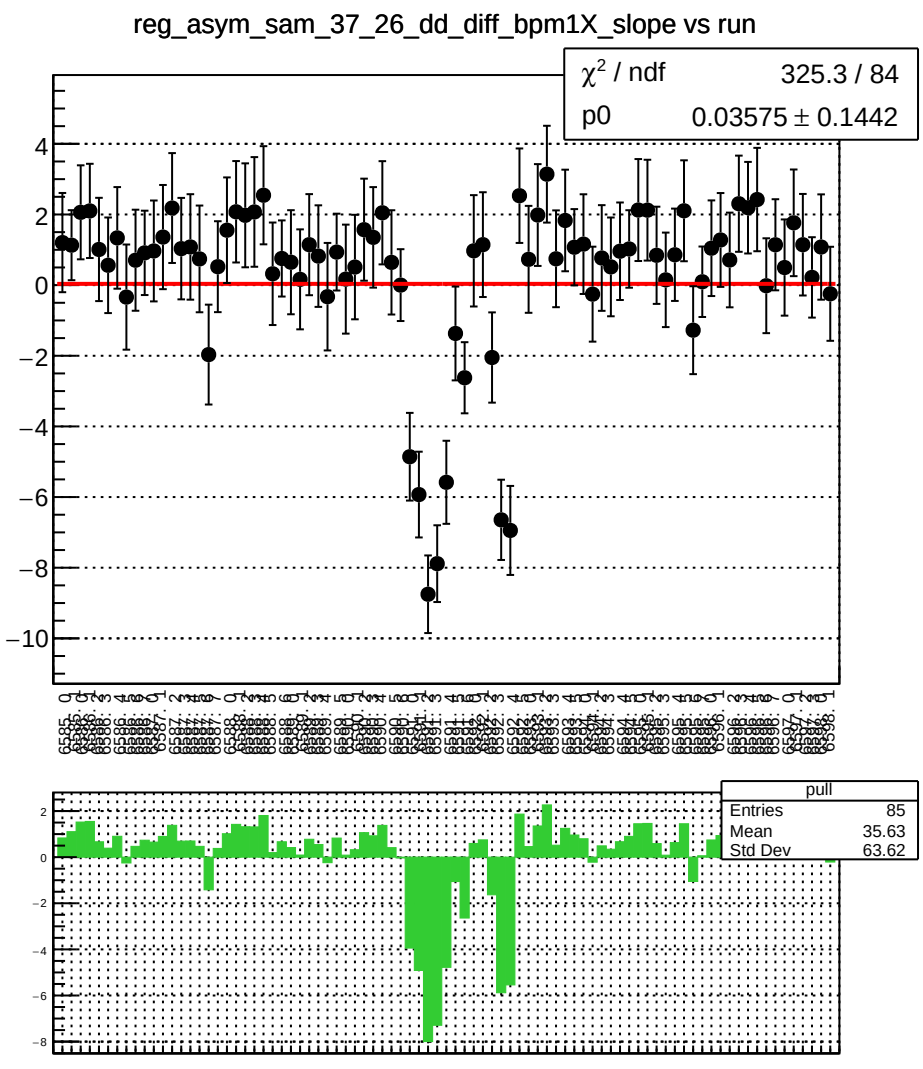

pull1D
Entries 85
Mean −0.01118
Std Dev 0.5148

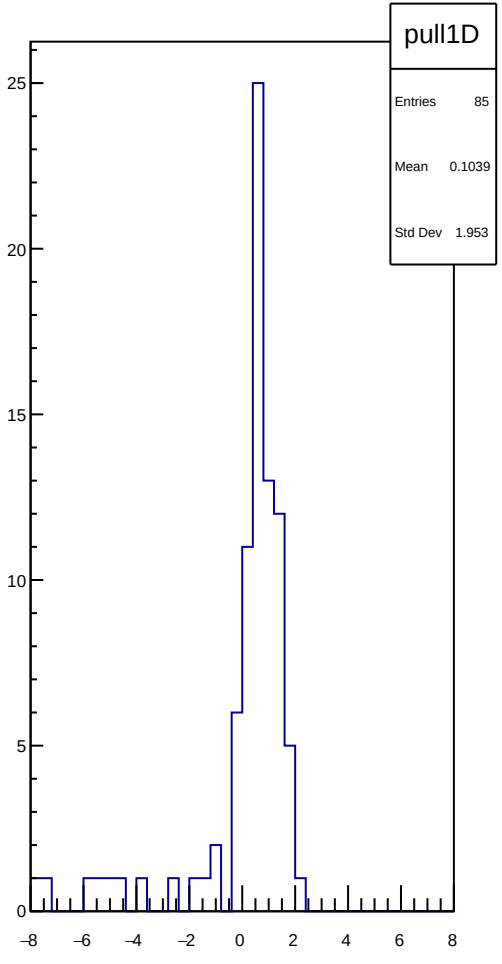

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 51.88 / 84
p0 48.02 ± 0.3575
pull
Entries 85
Mean −9.427
Std Dev 69.88

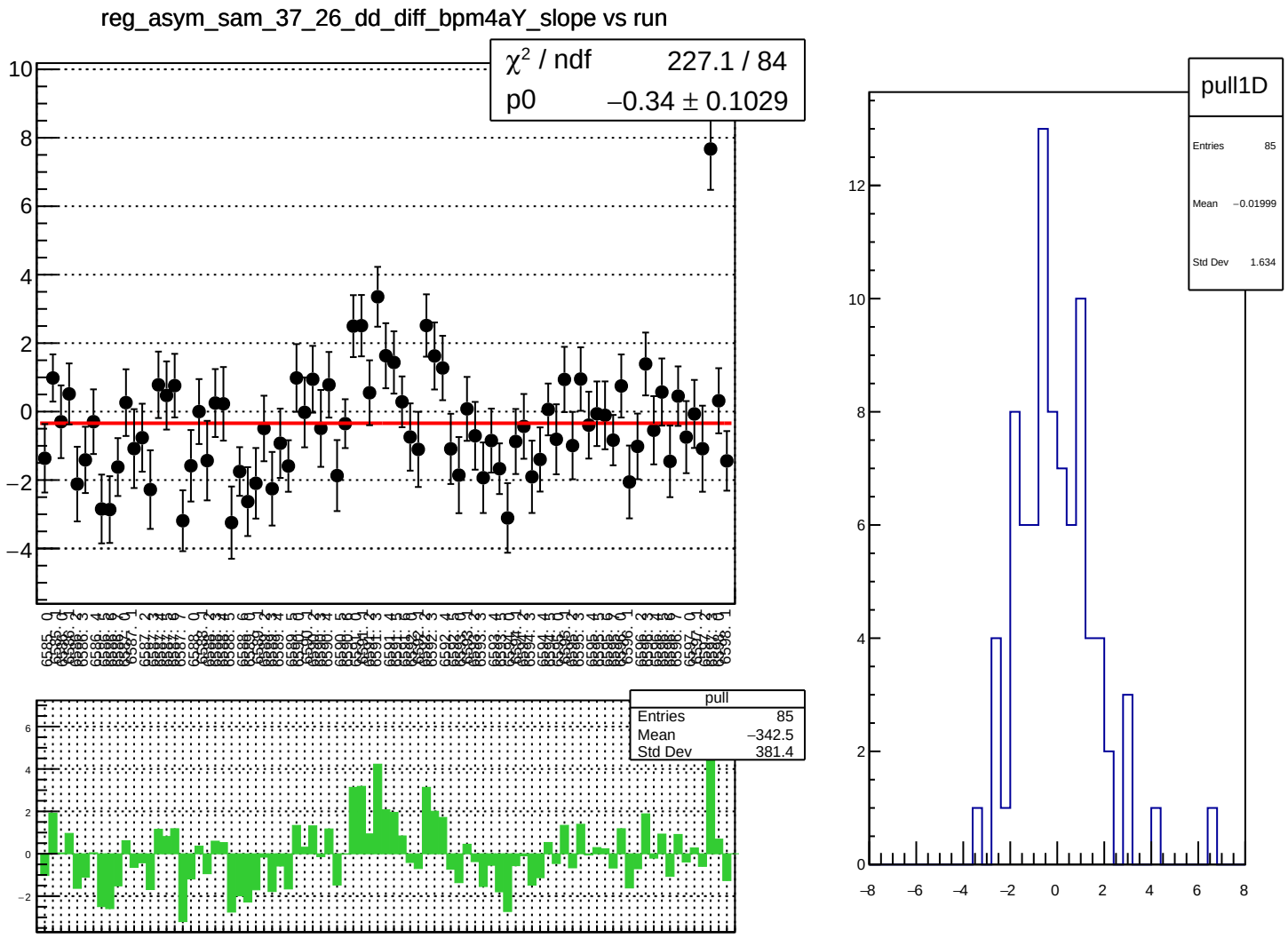

pull1D
Entries 85
Mean 0.02025
Std Dev 0.781

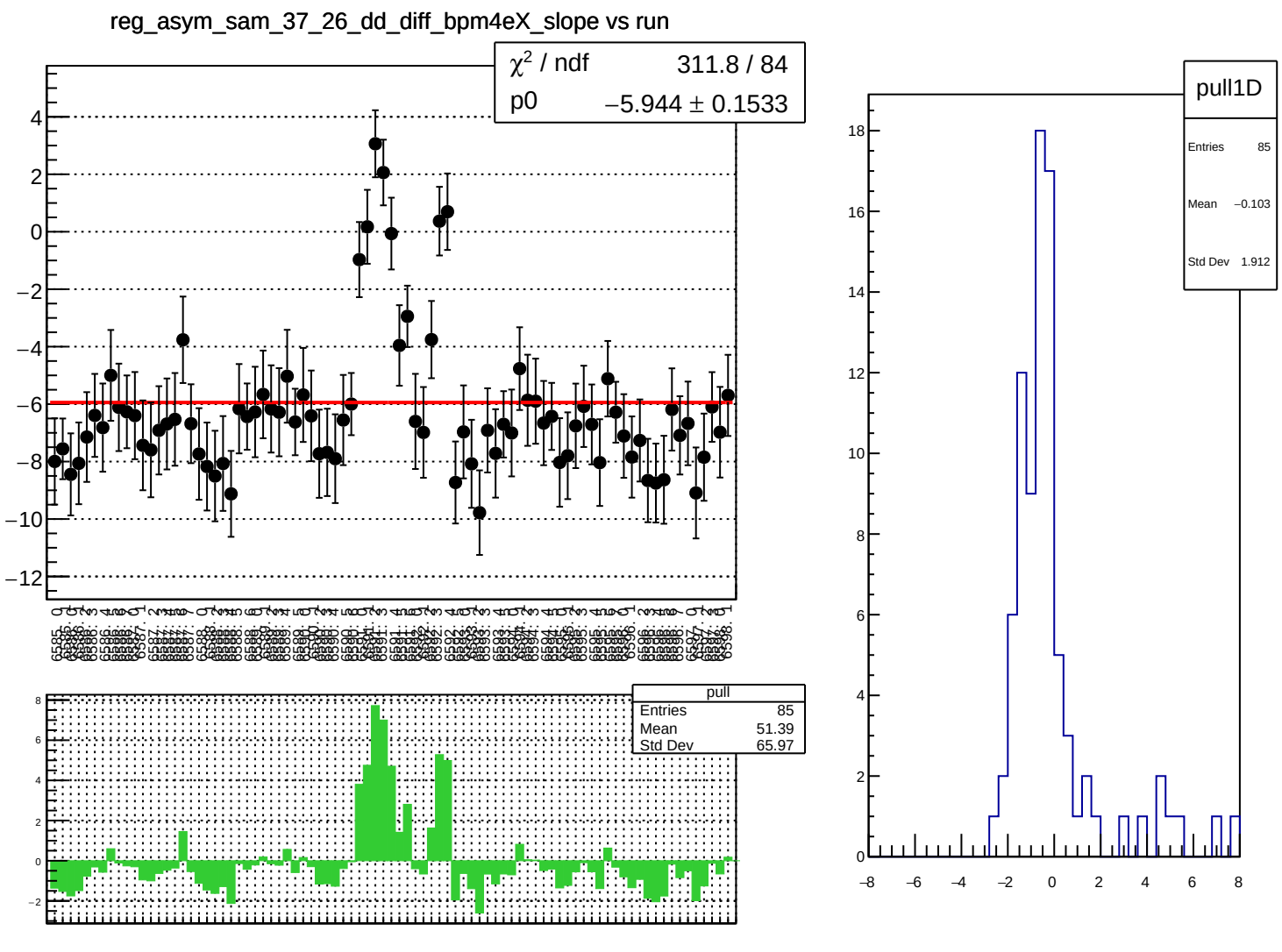

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 20.4 / 84
p0 −0.2961± 0.01792
pull
Entries 85
Mean −398.8
Std Dev 441.1

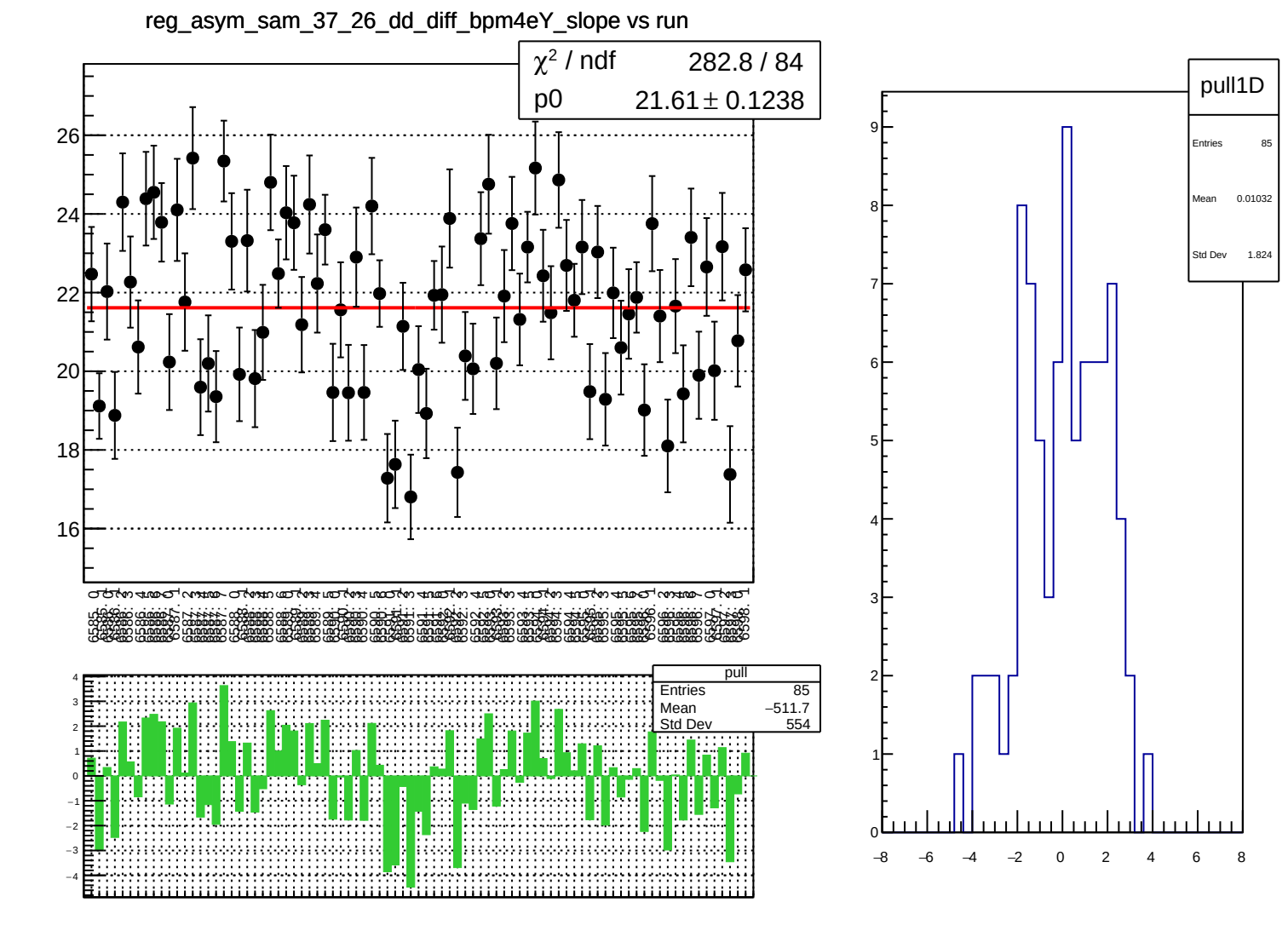

pull1D
Entries 85
Mean −0.009991
Std Dev 0.4897

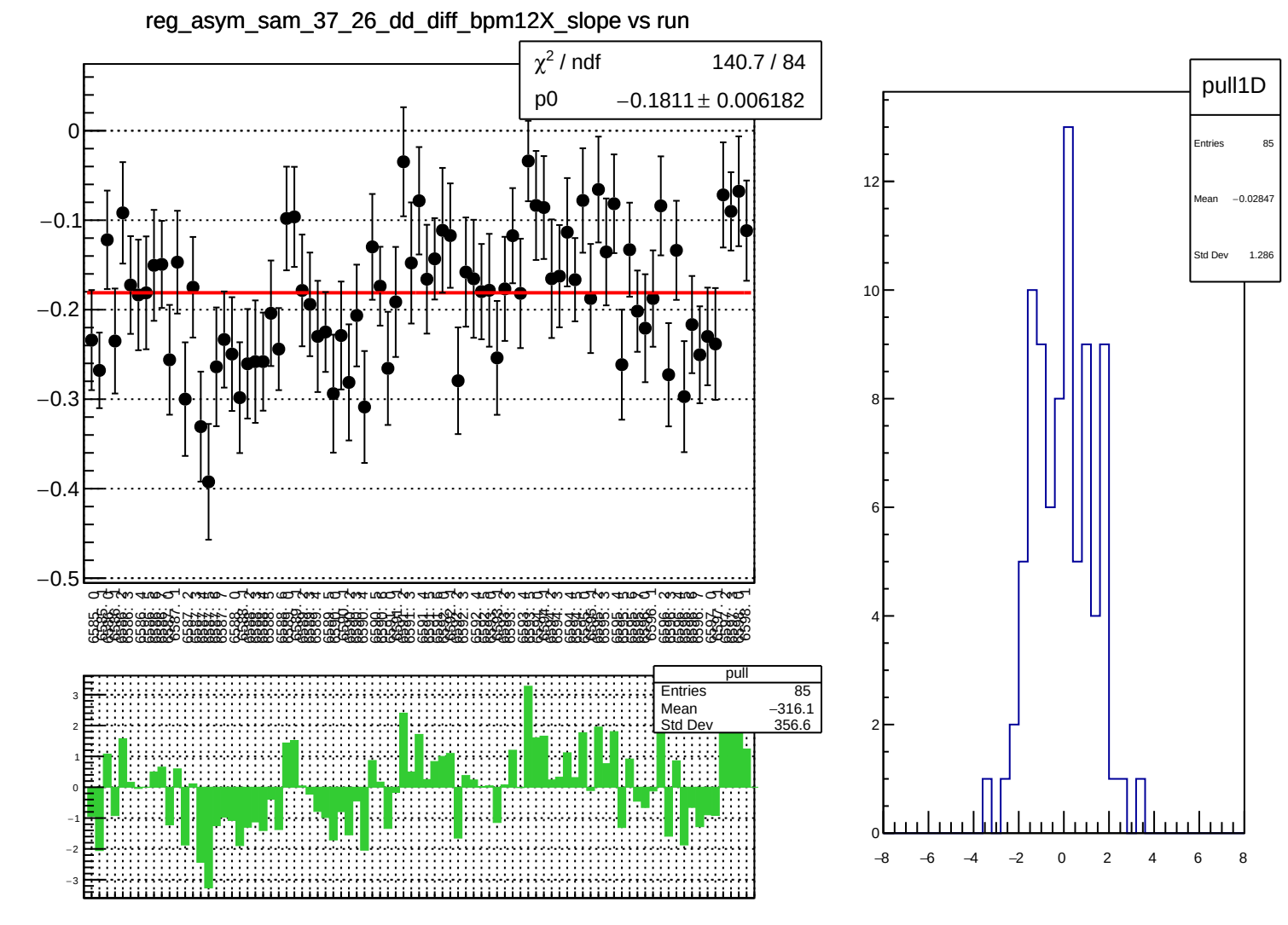

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 325.3 / 84
p0 0.03575 ± 0.1442
pull
Entries 85
Mean 35.63
Std Dev 63.62

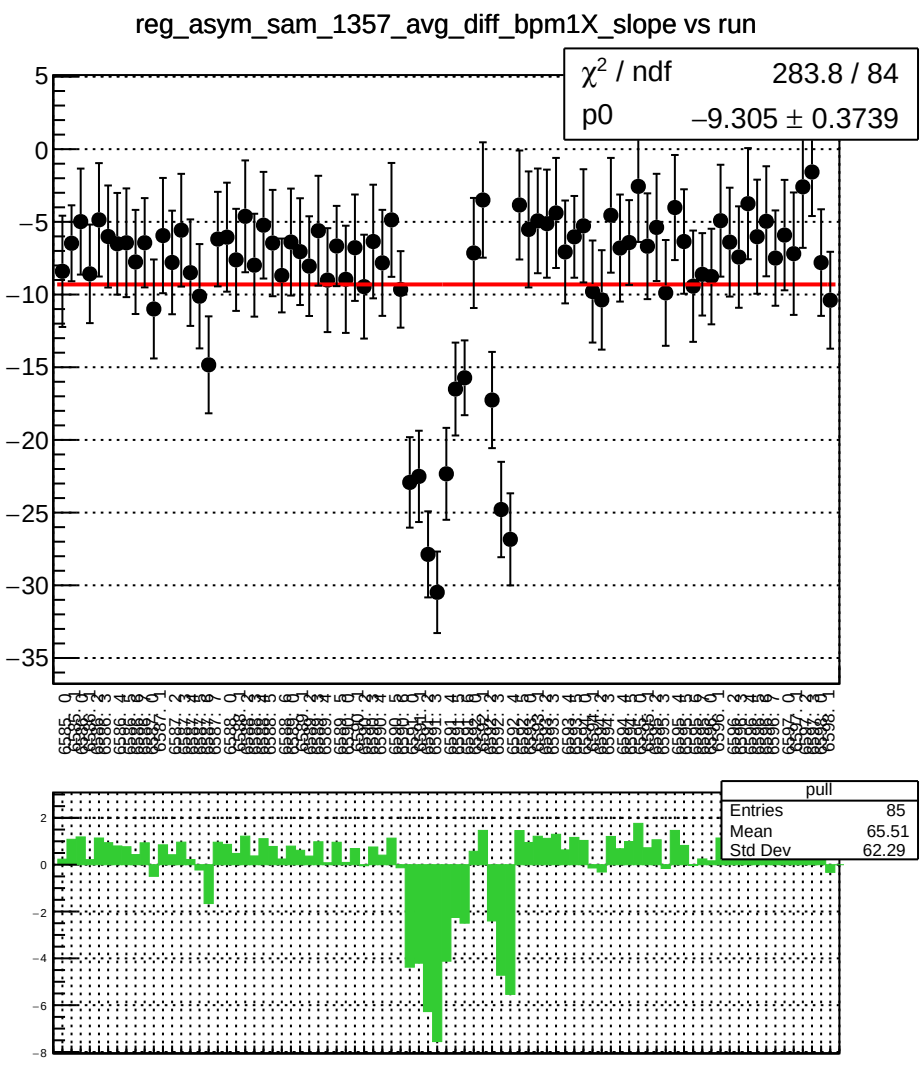

pull1D
Entries 85
Mean 0.1039
Std Dev 1.953

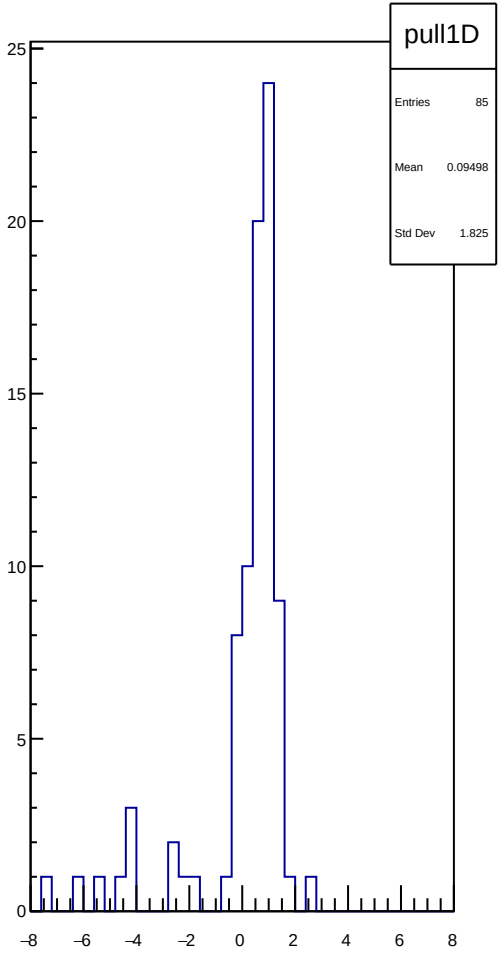

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 227.1 / 84
p0 −0.34 ± 0.1029
pull
Entries 85
Mean −342.5
Std Dev 381.4
pull1D
Entries 85
Mean −0.01999
Std Dev 1.634

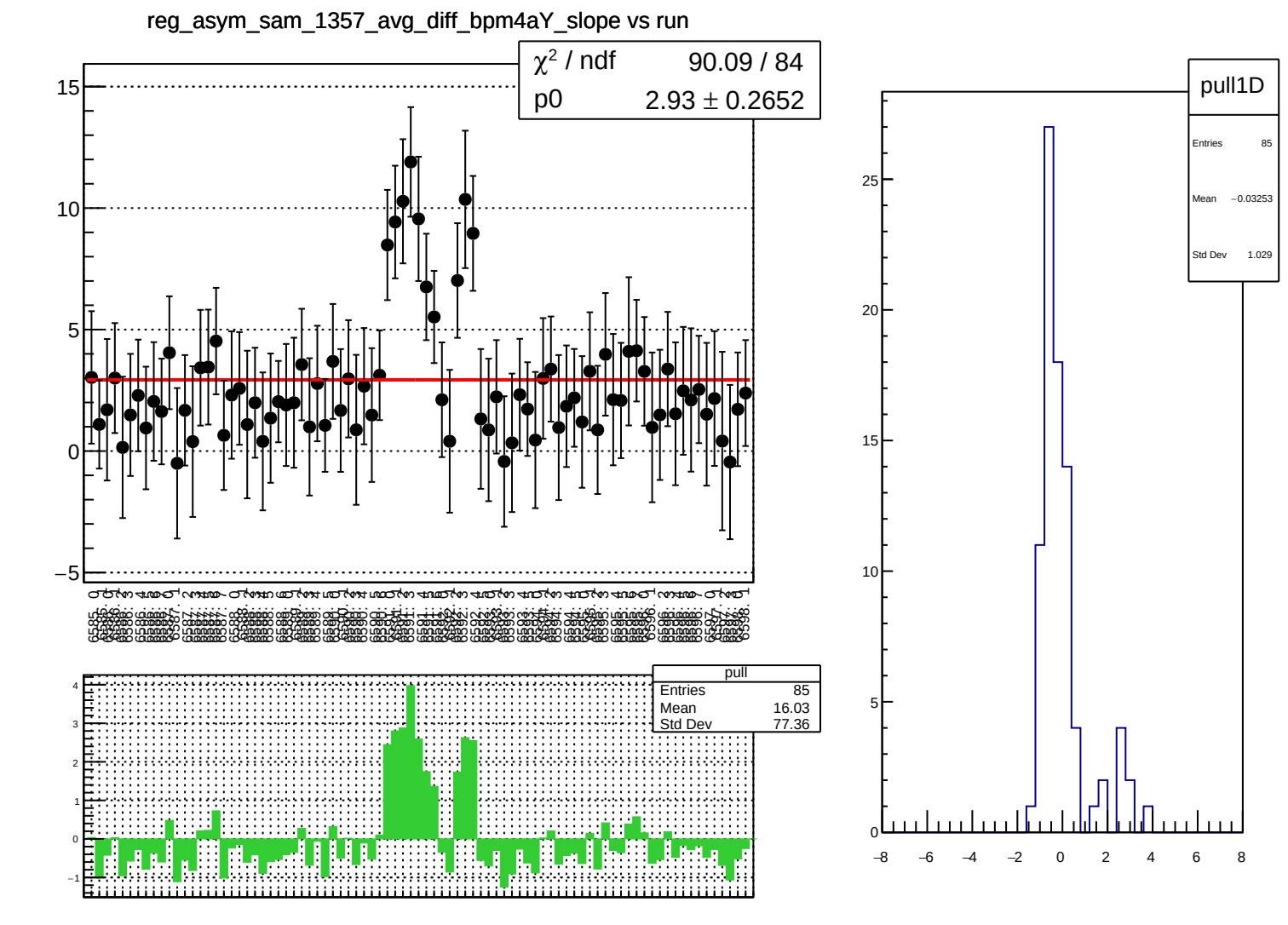

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 311.8 / 84
p0 −5.944 ± 0.1533
pull
Entries 85
Mean 51.39
Std Dev 65.97
pull1D
Entries 85
Mean −0.103
Std Dev 1.912

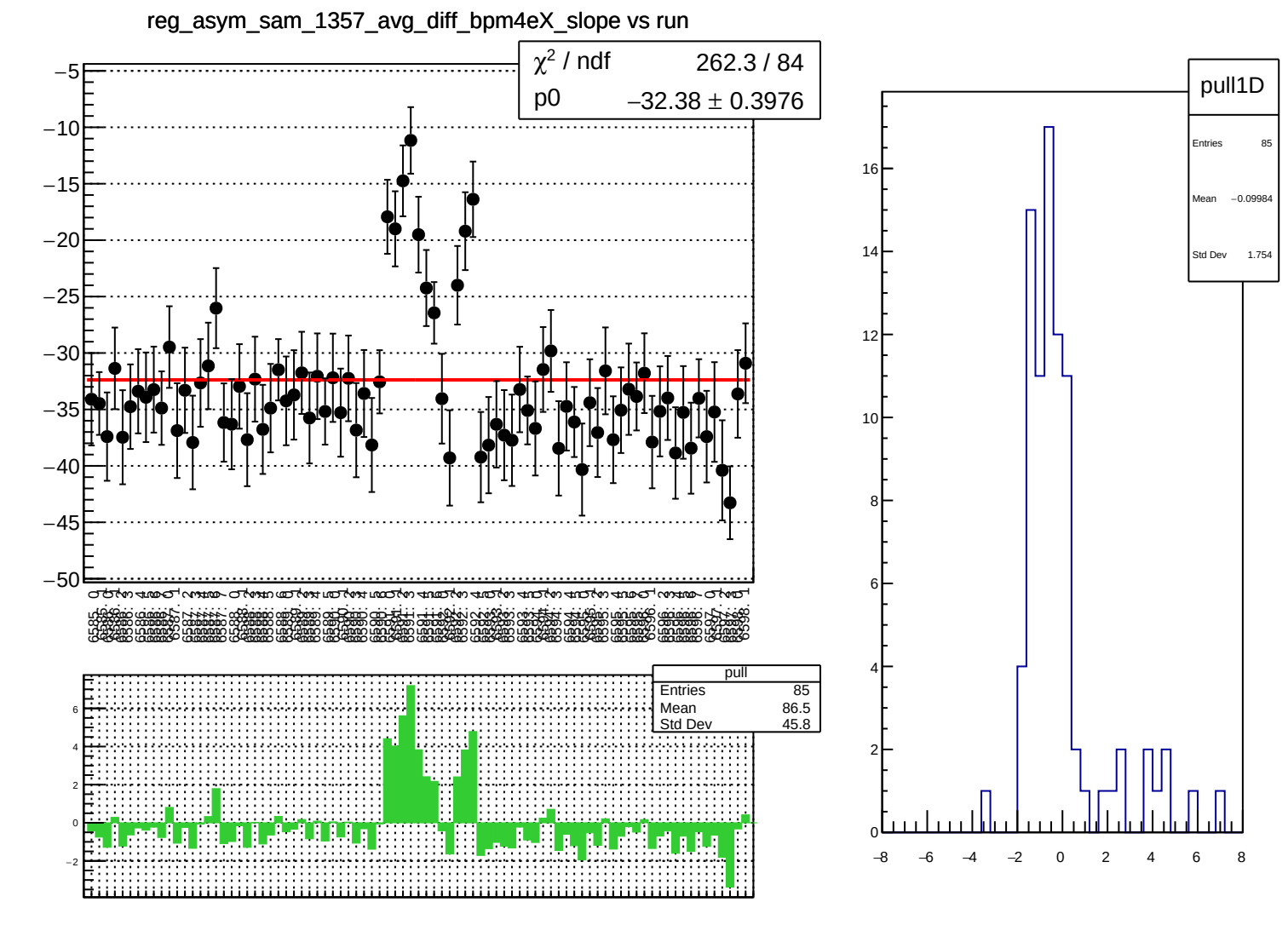

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 282.8 / 84
p0 21.61 ± 0.1238
pull
Entries 85
Mean −511.7
Std Dev 554
pull1D
Entries 85
Mean 0.01032
Std Dev 1.824

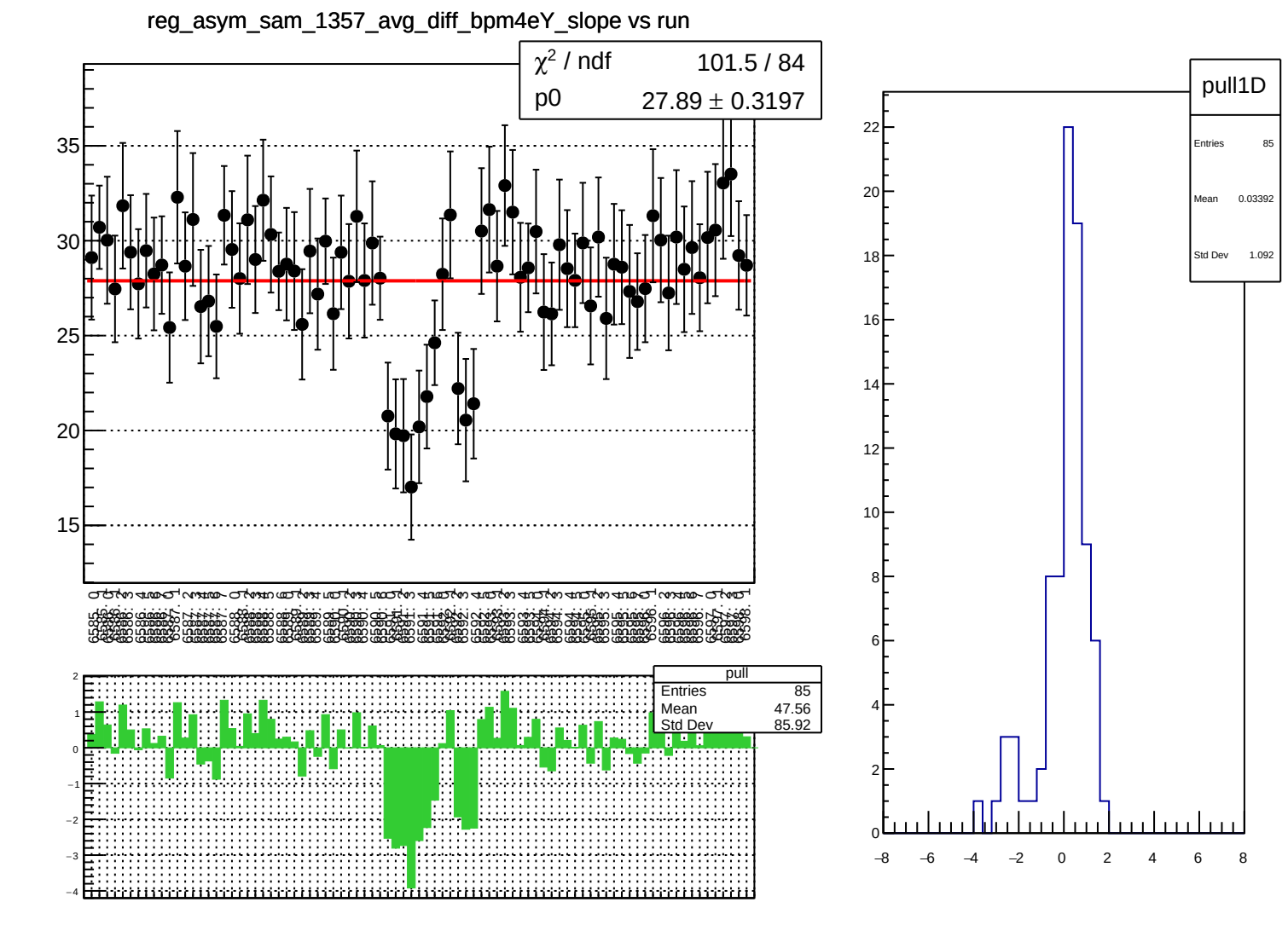

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 140.7 / 84
p0 −0.1811 ± 0.006182
pull
Entries 85
Mean −316.1
Std Dev 356.6
pull1D
Entries 85
Mean −0.02847
Std Dev 1.286

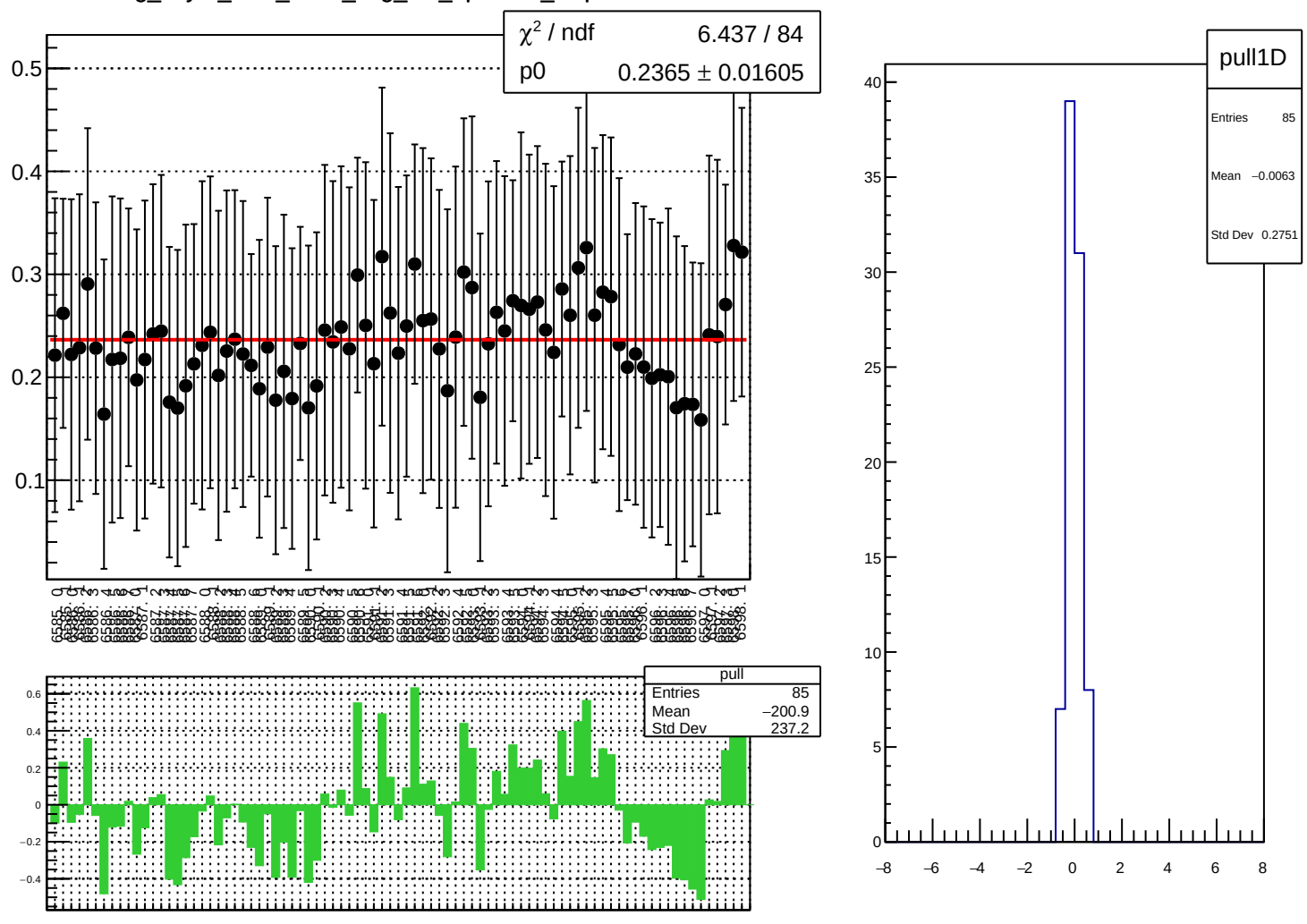

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 283.8 / 84
p0 −9.305 ± 0.3739
pull
Entries 85
Mean 65.51
Std Dev 62.29

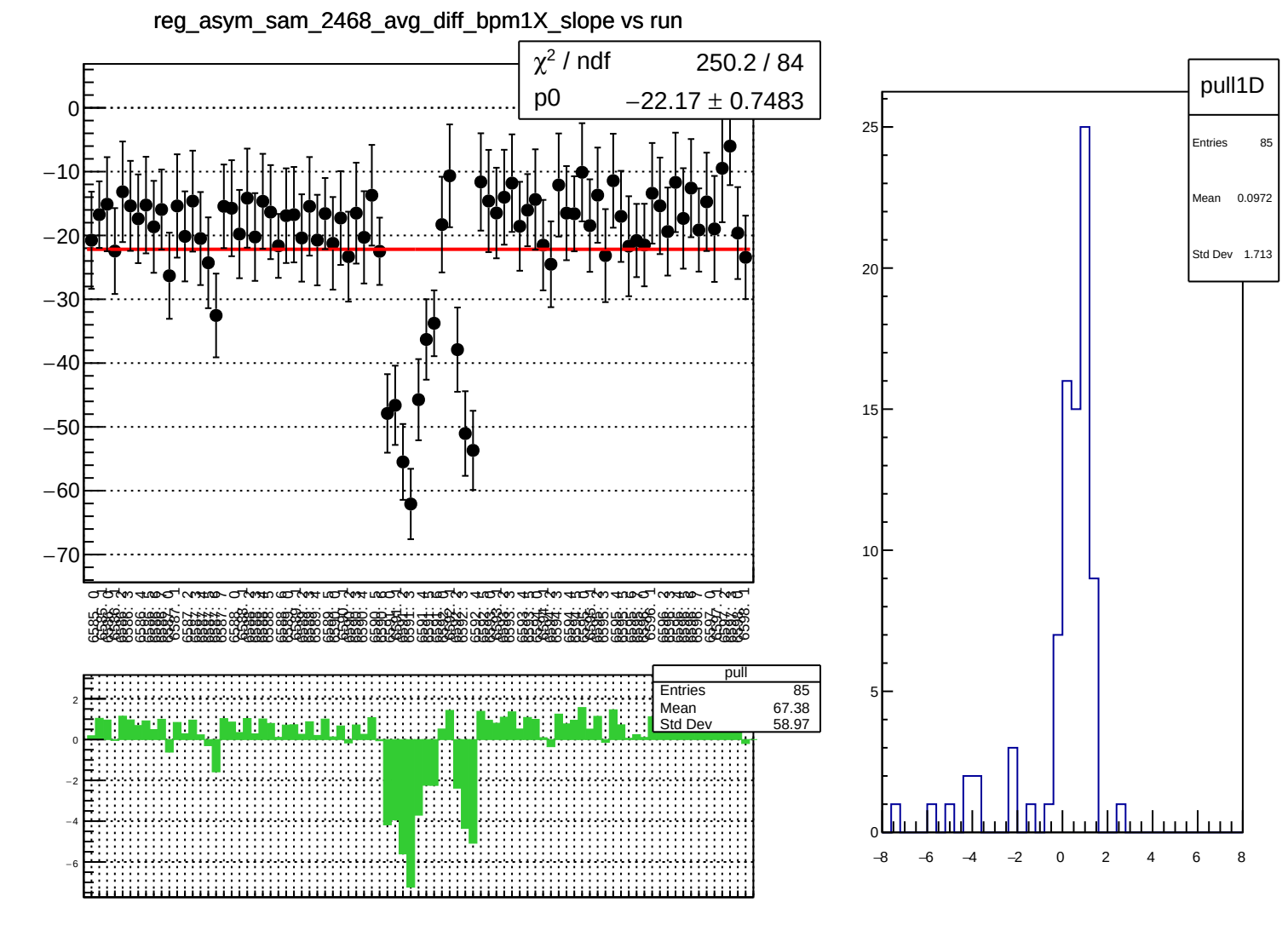

pull1D
Entries 85
Mean 0.09498
Std Dev 1.825

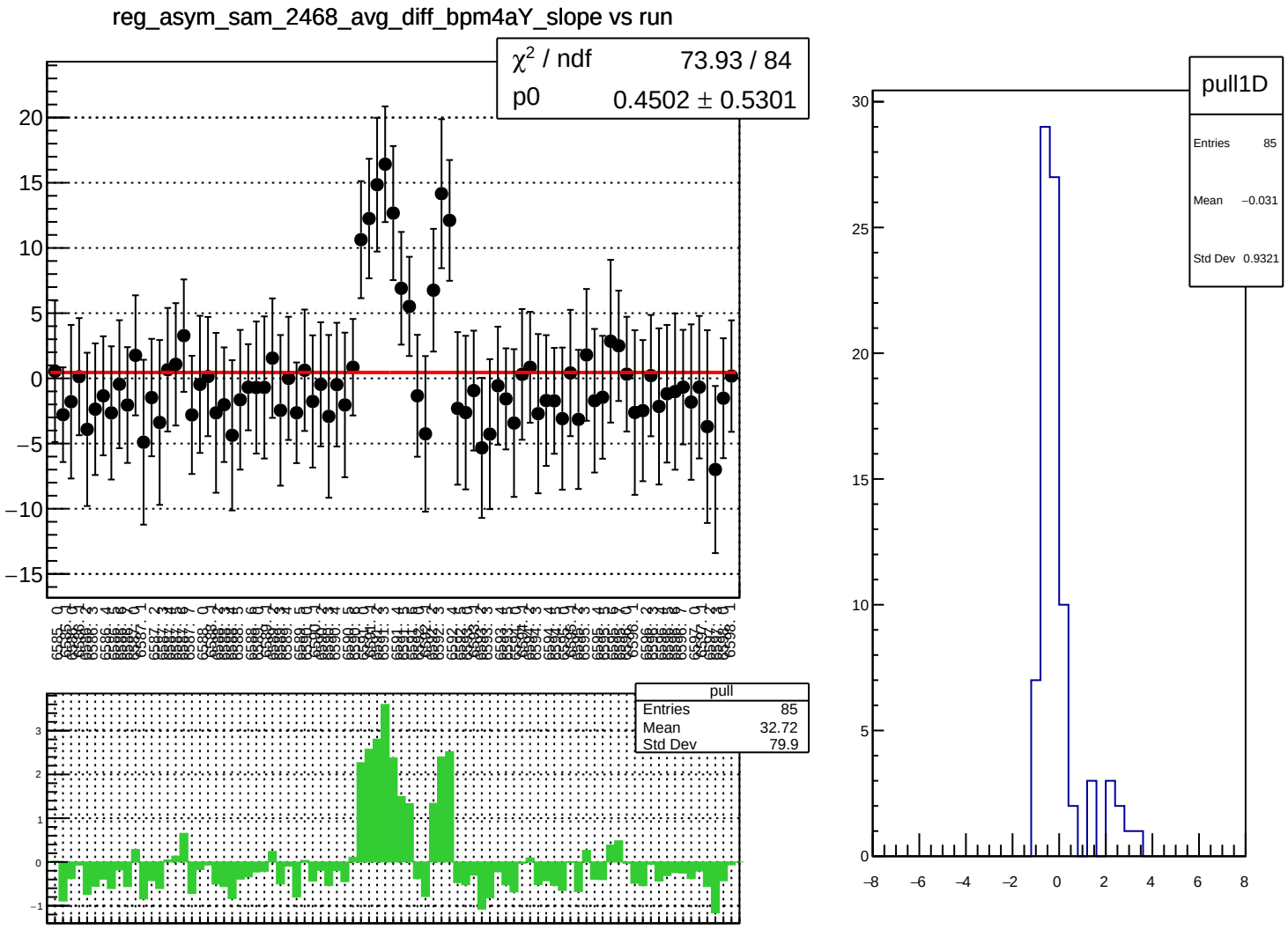

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 90.09 / 84
p0 2.93 ± 0.2652
pull
Entries 85
Mean 16.03
Std Dev 77.36
pull1D
Entries 85
Mean −0.03253
Std Dev 1.029

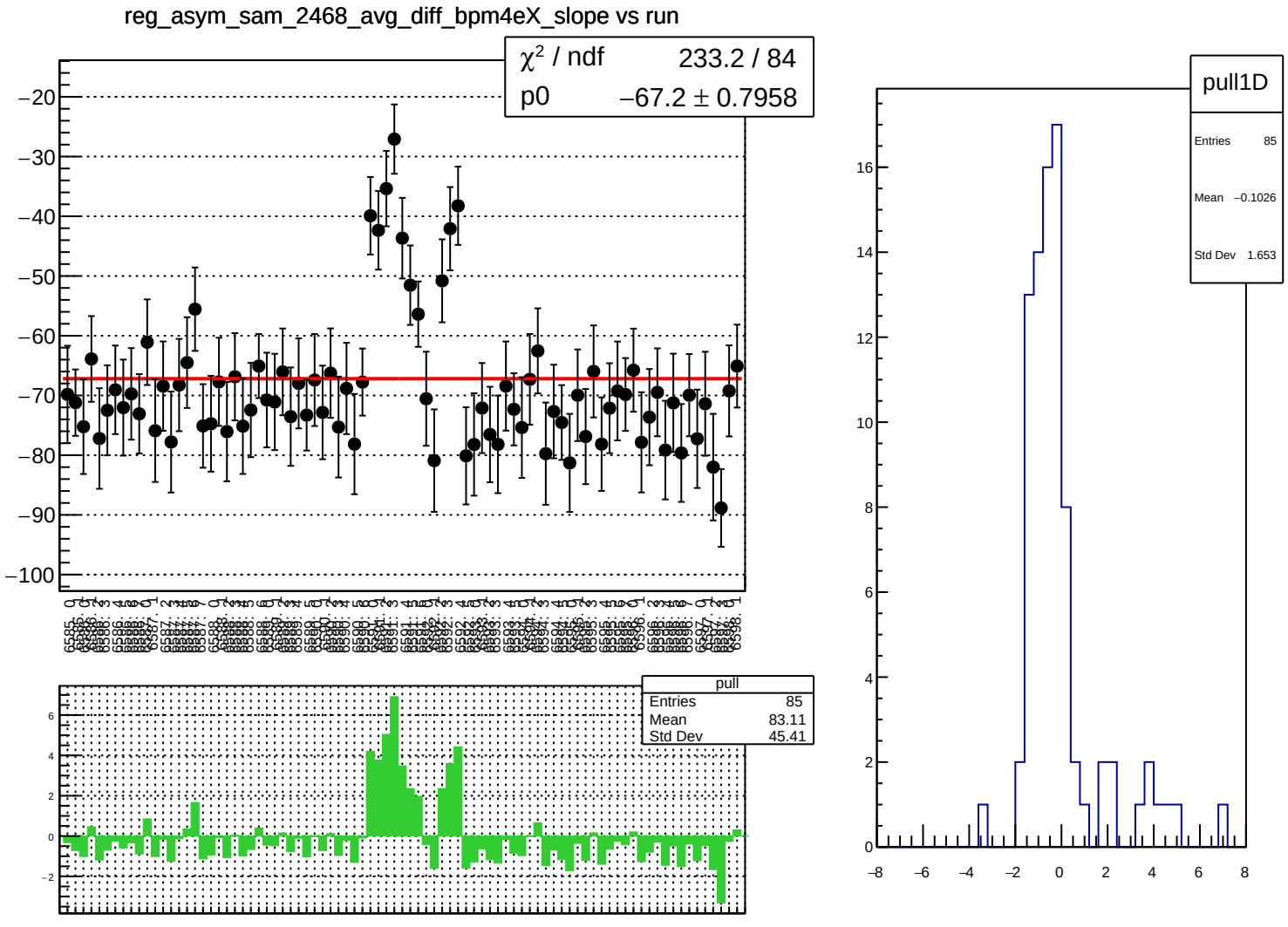

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 262.3 / 84
p0 −32.38 ± 0.3976
pull
Entries 85
Mean 86.5
Std Dev 45.8
pull1D
Entries 85
Mean −0.09984
Std Dev 1.754

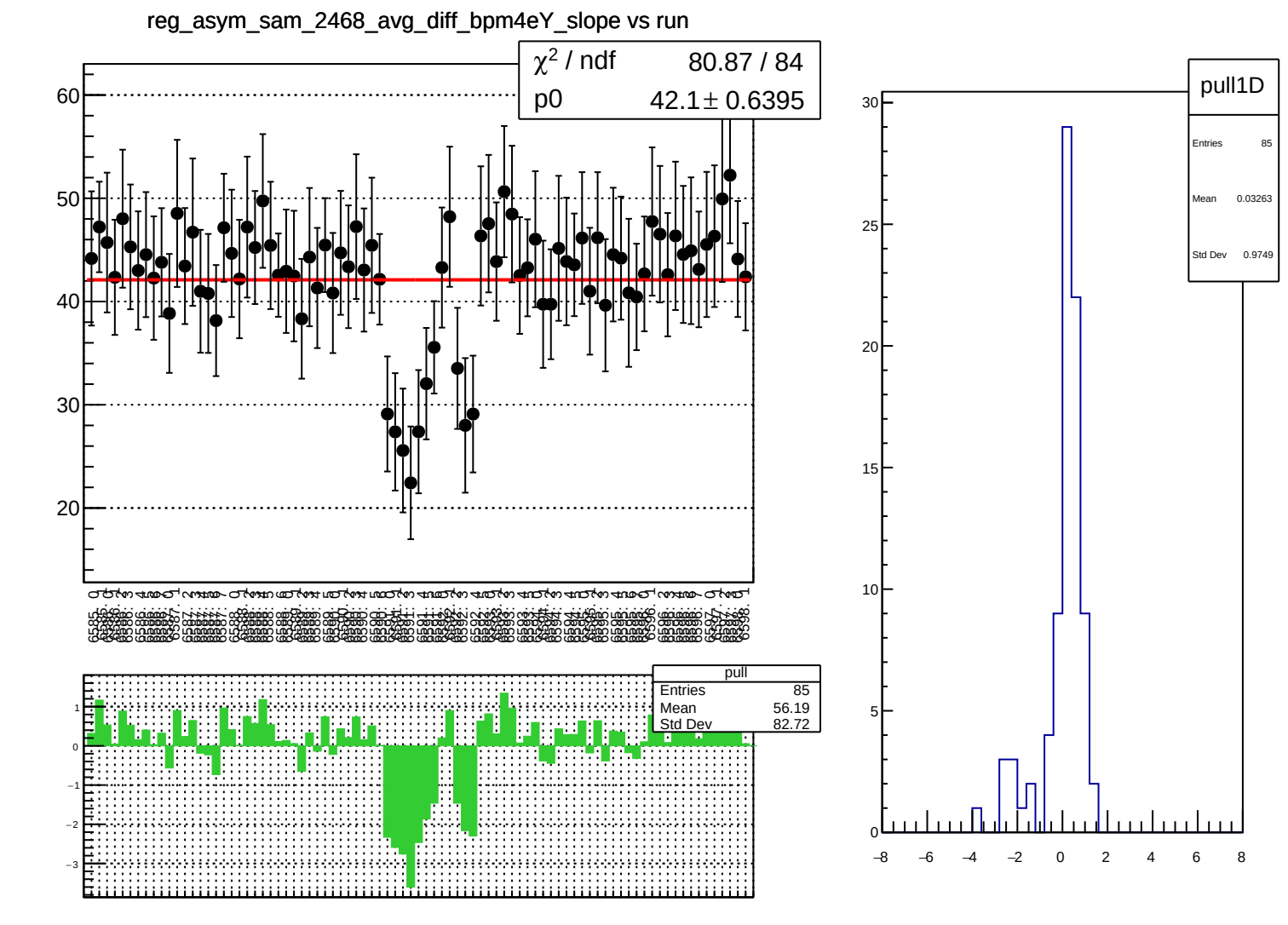

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 101.5 / 84
p0 27.89 ± 0.3197
pull
Entries 85
Mean 47.56
Std Dev 85.92
pull1D
Entries 85
Mean 0.03392
Std Dev 1.092

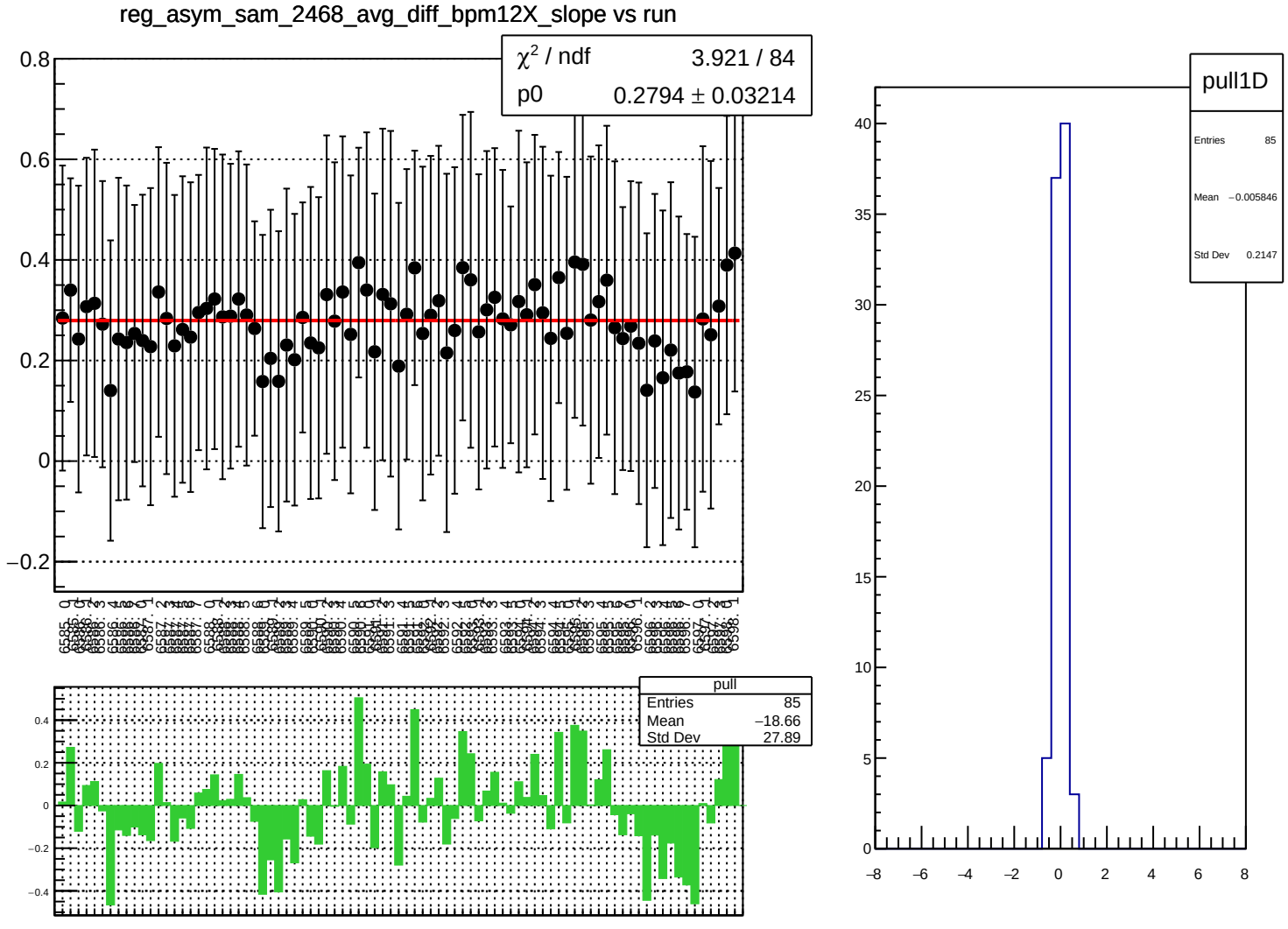

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 6.437 / 84
p0 0.2365 ± 0.01605
0.5
0.4
0.3
0.2
0.1
pull
Entries 85
Mean −200.9
Std Dev 237.2
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 85
Mean −0.0063
Std Dev 0.2751
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

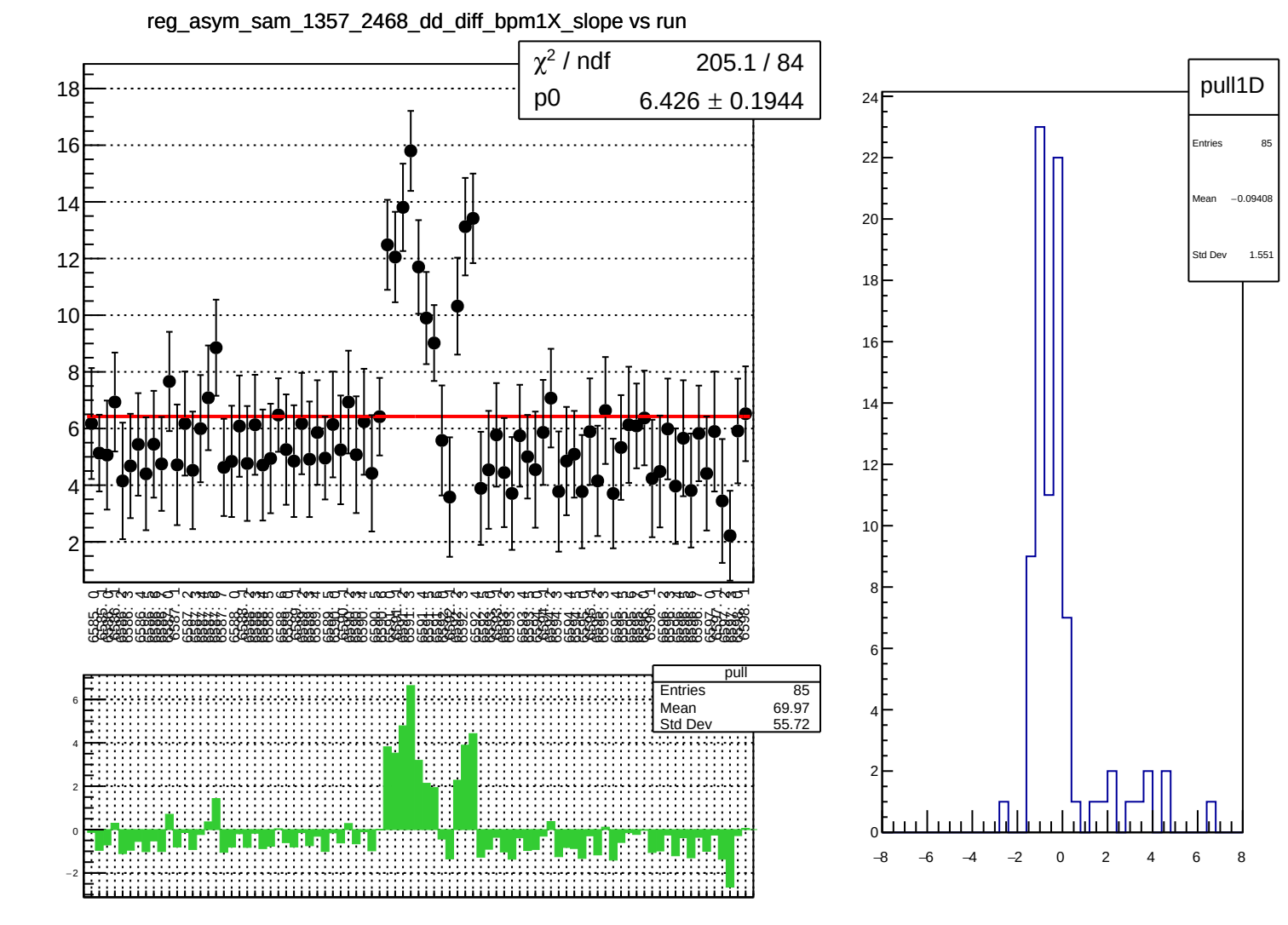

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 250.2 / 84
p0 −22.17 ± 0.7483
pull
Entries 85
Mean 67.38
Std Dev 58.97
pull1D
Entries 85
Mean 0.0972
Std Dev 1.713

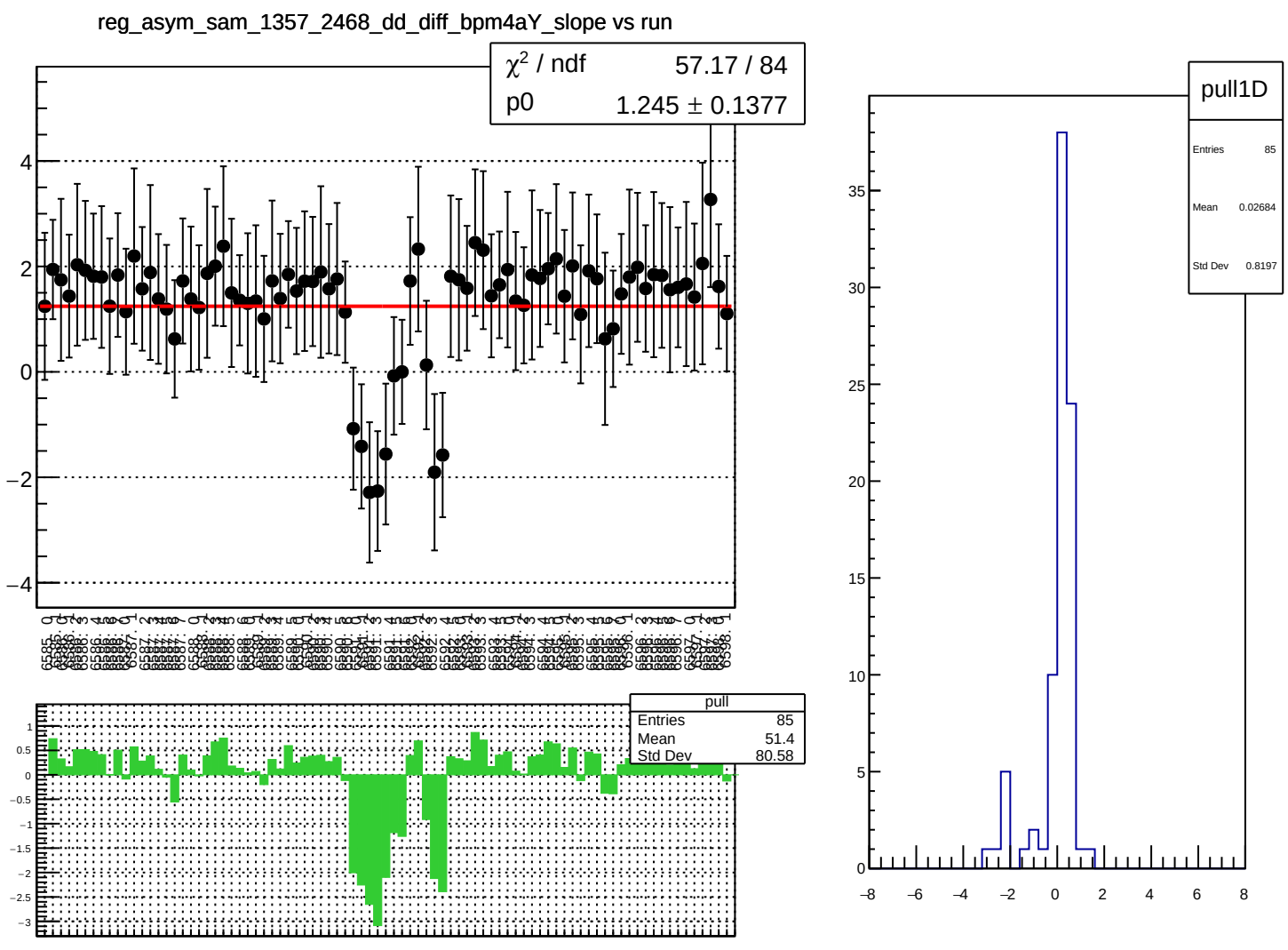

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 73.93 / 84
p0 0.4502 ± 0.5301
pull
Entries 85
Mean 32.72
Std Dev 79.9
pull1D
Entries 85
Mean −0.031
Std Dev 0.9321

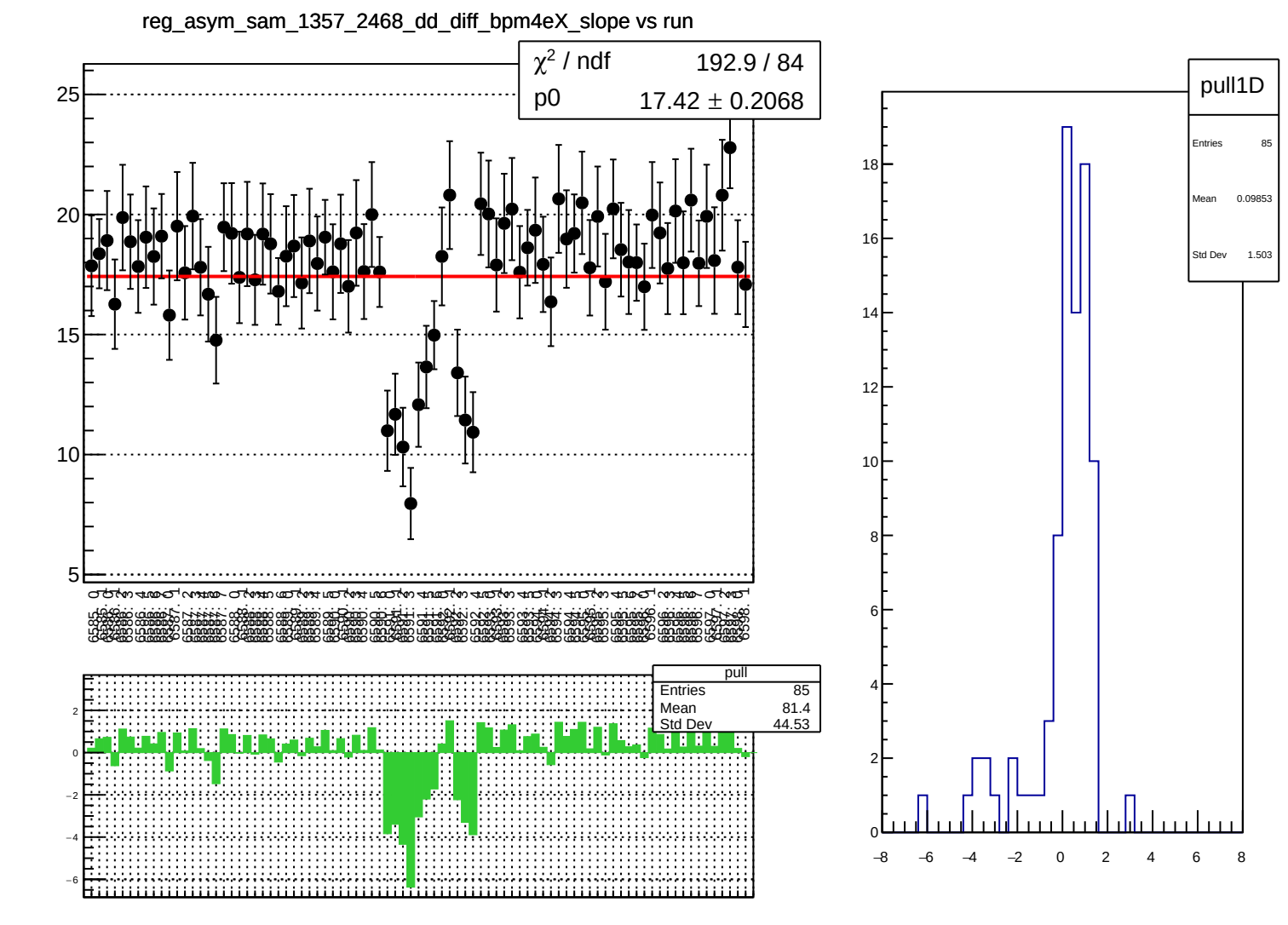

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 233.2 / 84
p0 −67.2 ± 0.7958
pull
Entries 85
Mean 83.11
Std Dev 45.41
pull1D
Entries 85
Mean −0.1026
Std Dev 1.653

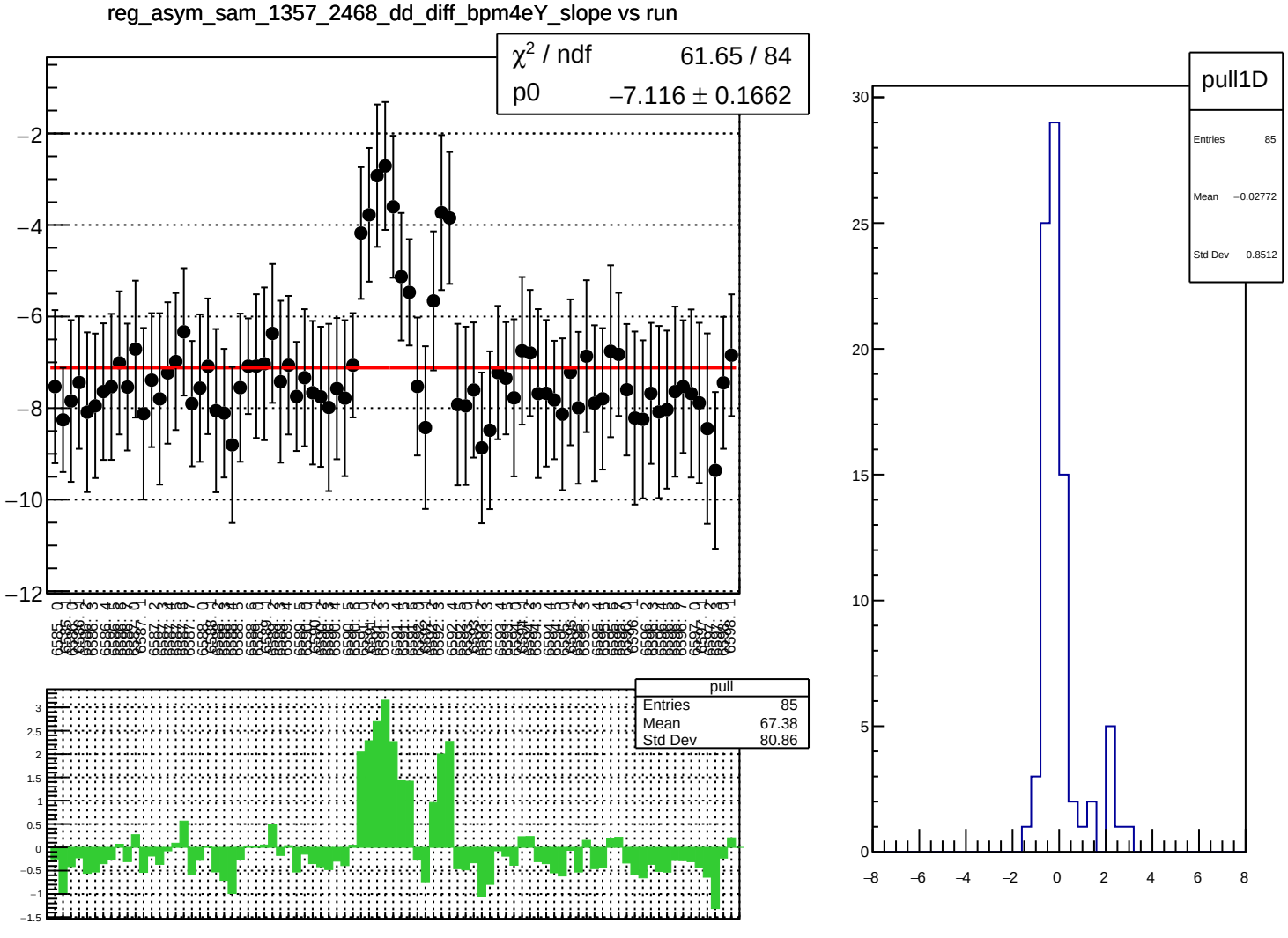

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 80.87 / 84
p0 42.1 ± 0.6395
pull
Entries 85
Mean 56.19
Std Dev 82.72
pull1D
Entries 85
Mean 0.03263
Std Dev 0.9749

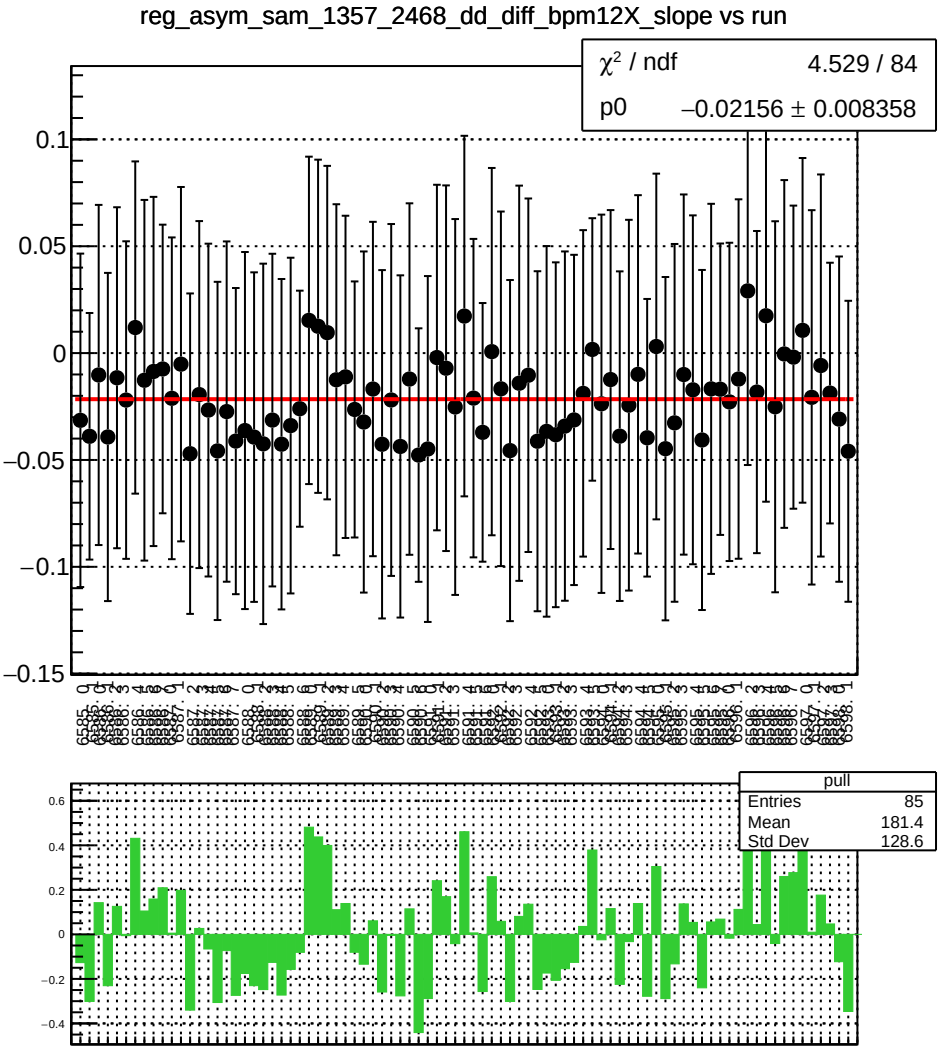

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 3.921 / 84
p0 0.2794 ± 0.03214
pull
Entries 85
Mean −18.66
Std Dev 27.89
pull1D
Entries 85
Mean −0.005846
Std Dev 0.2147

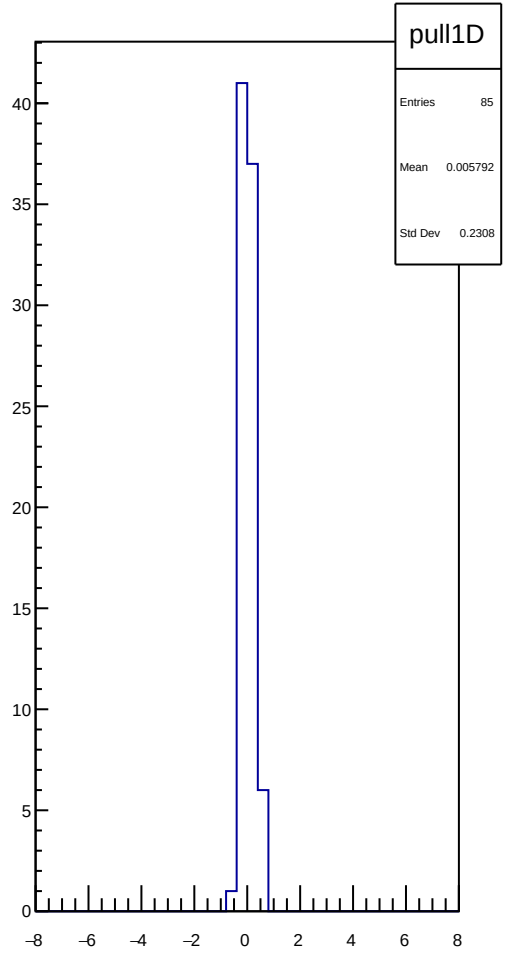

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 205.1 / 84
p0 6.426 ± 0.1944
pull
Entries 85
Mean 69.97
Std Dev 55.72
pull1D
Entries 85
Mean −0.09408
Std Dev 1.551

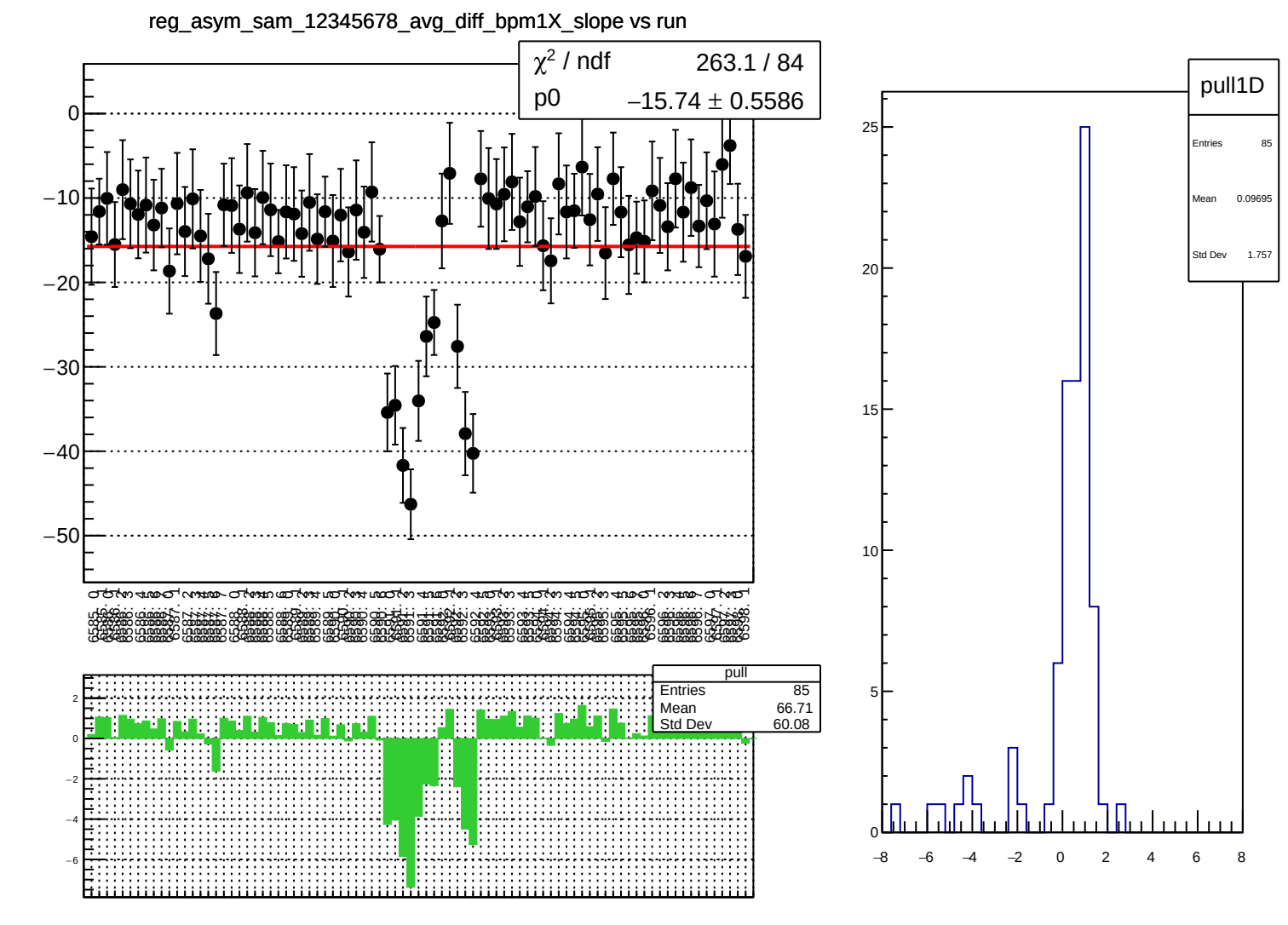

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.17 / 84
p0 1.245 ± 0.1377
pull
Entries 85
Mean 51.4
Std Dev 80.58
pull1D
Entries 85
Mean 0.02684
Std Dev 0.8197

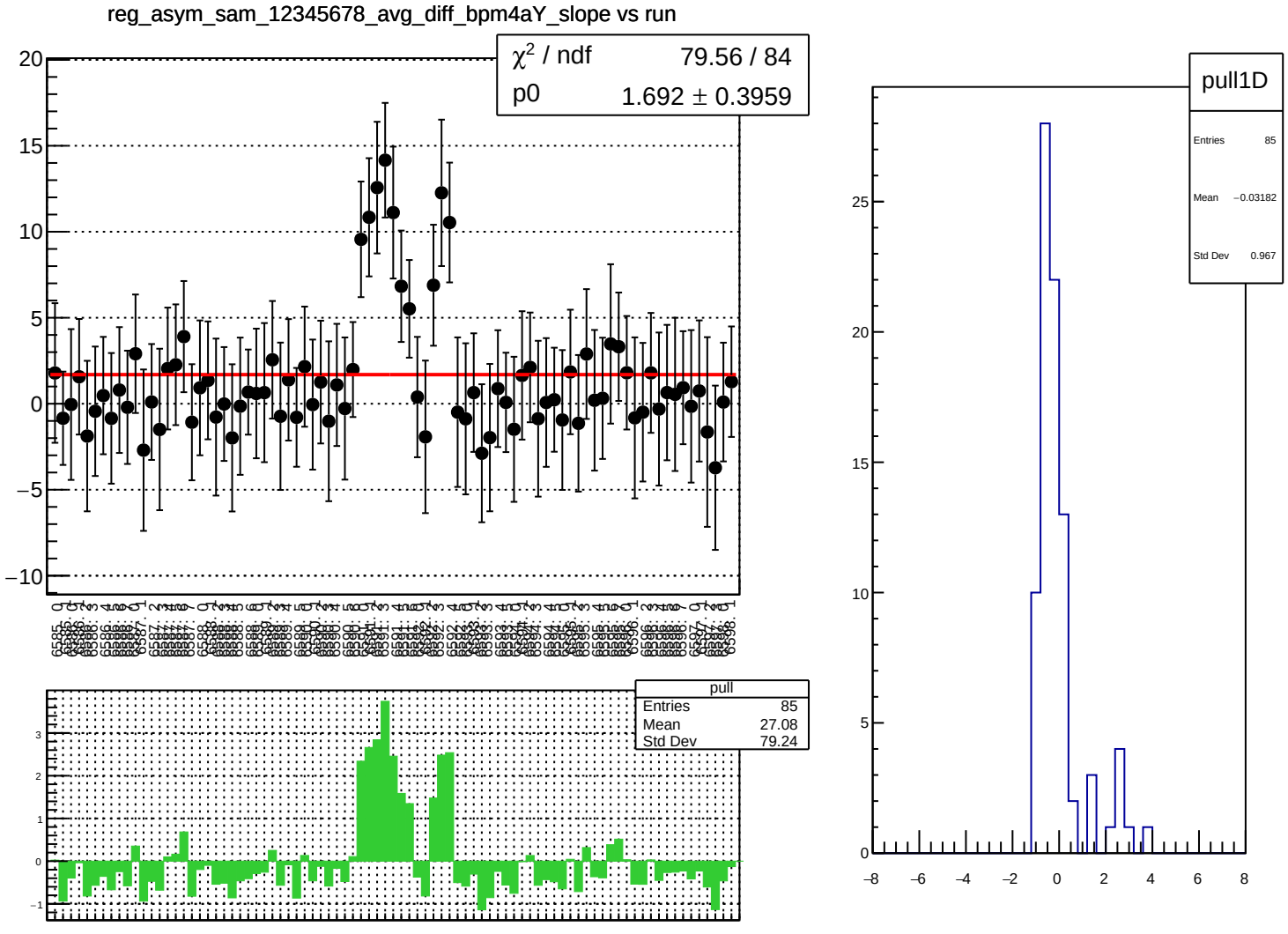

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 192.9 / 84
p0 17.42 ± 0.2068
pull
Entries 85
Mean 81.4
Std Dev 44.53
pull1D
Entries 85
Mean 0.09853
Std Dev 1.503

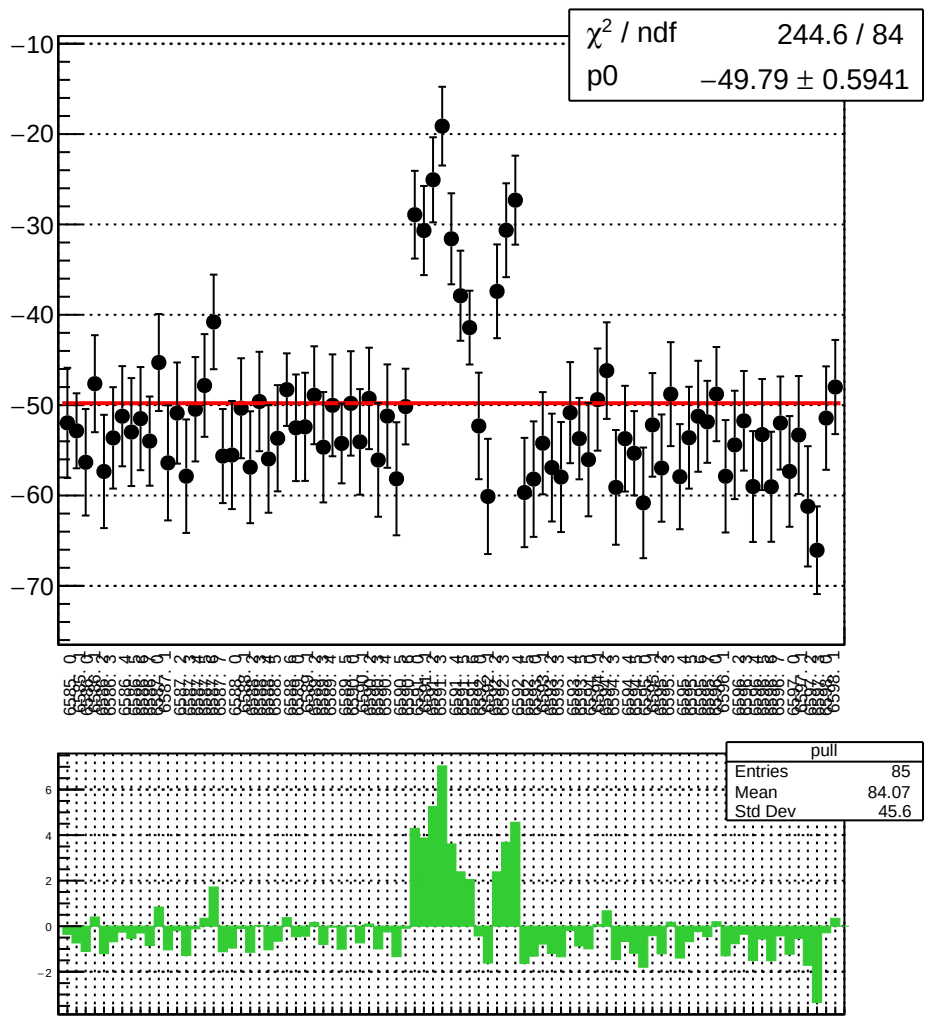

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.65 / 84
p0 −7.116 ± 0.1662
pull
Entries 85
Mean 67.38
Std Dev 80.86
pull1D
Entries 85
Mean −0.02772
Std Dev 0.8512

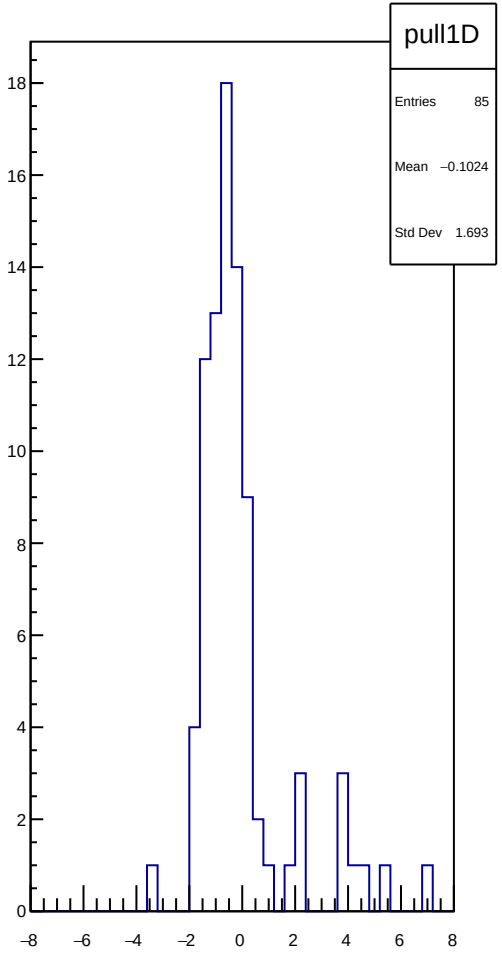

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 4.529 / 84
p0 −0.02156 ± 0.008358
pull
Entries 85
Mean 181.4
Std Dev 128.6

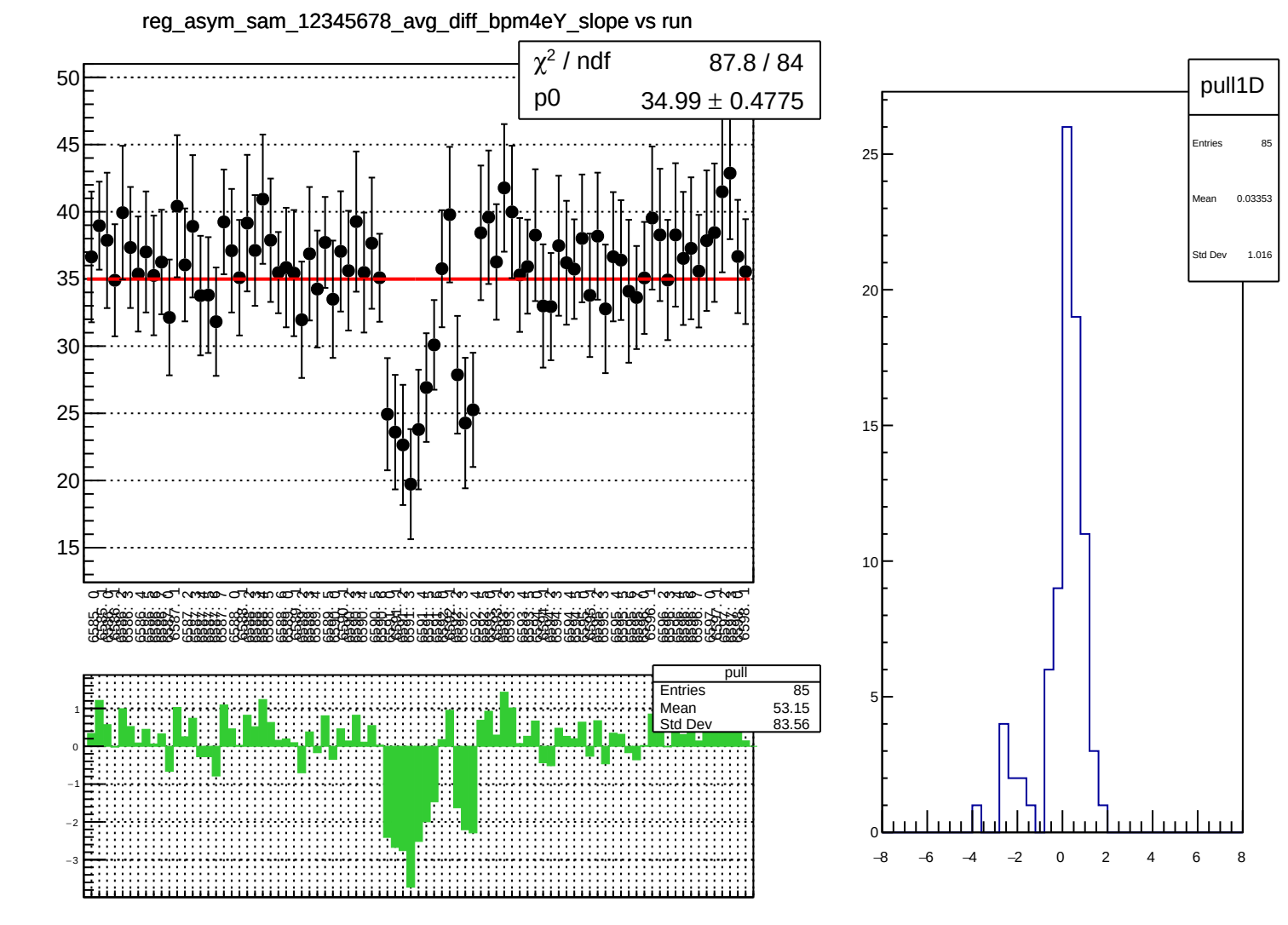

pull1D
Entries 85
Mean 0.005792
Std Dev 0.2308

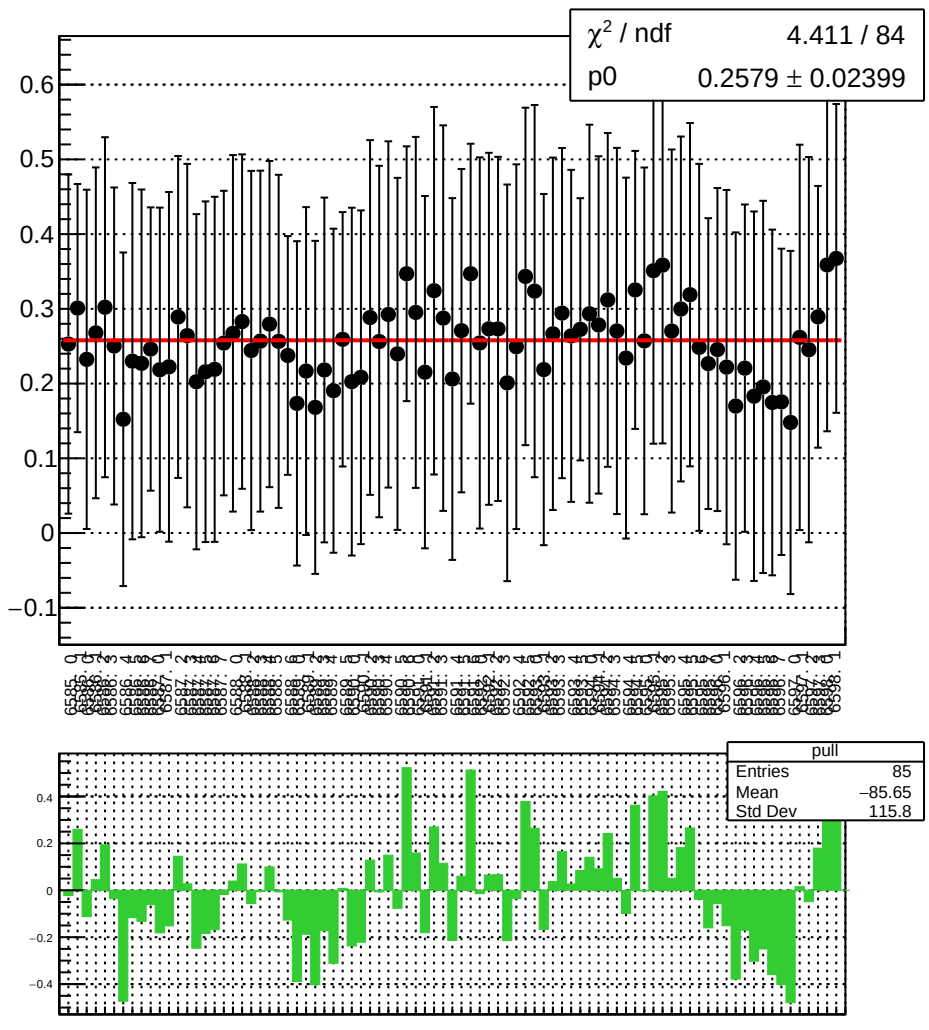

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 263.1 / 84
p0 −15.74 ± 0.5586
pull
Entries 85
Mean 66.71
Std Dev 60.08
pull1D
Entries 85
Mean 0.09695
Std Dev 1.757

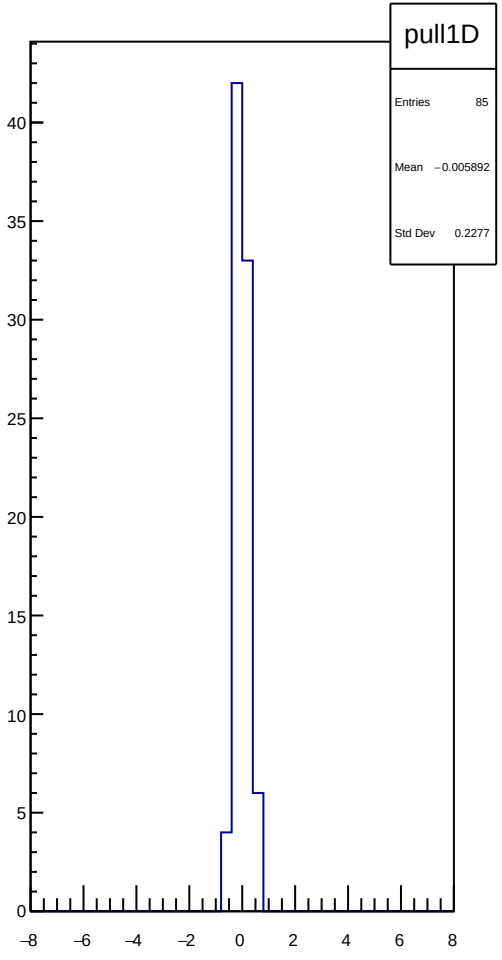

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 79.56 / 84
p0 1.692 ± 0.3959
pull
Entries 85
Mean 27.08
Std Dev 79.24
pull1D
Entries 85
Mean −0.03182
Std Dev 0.967

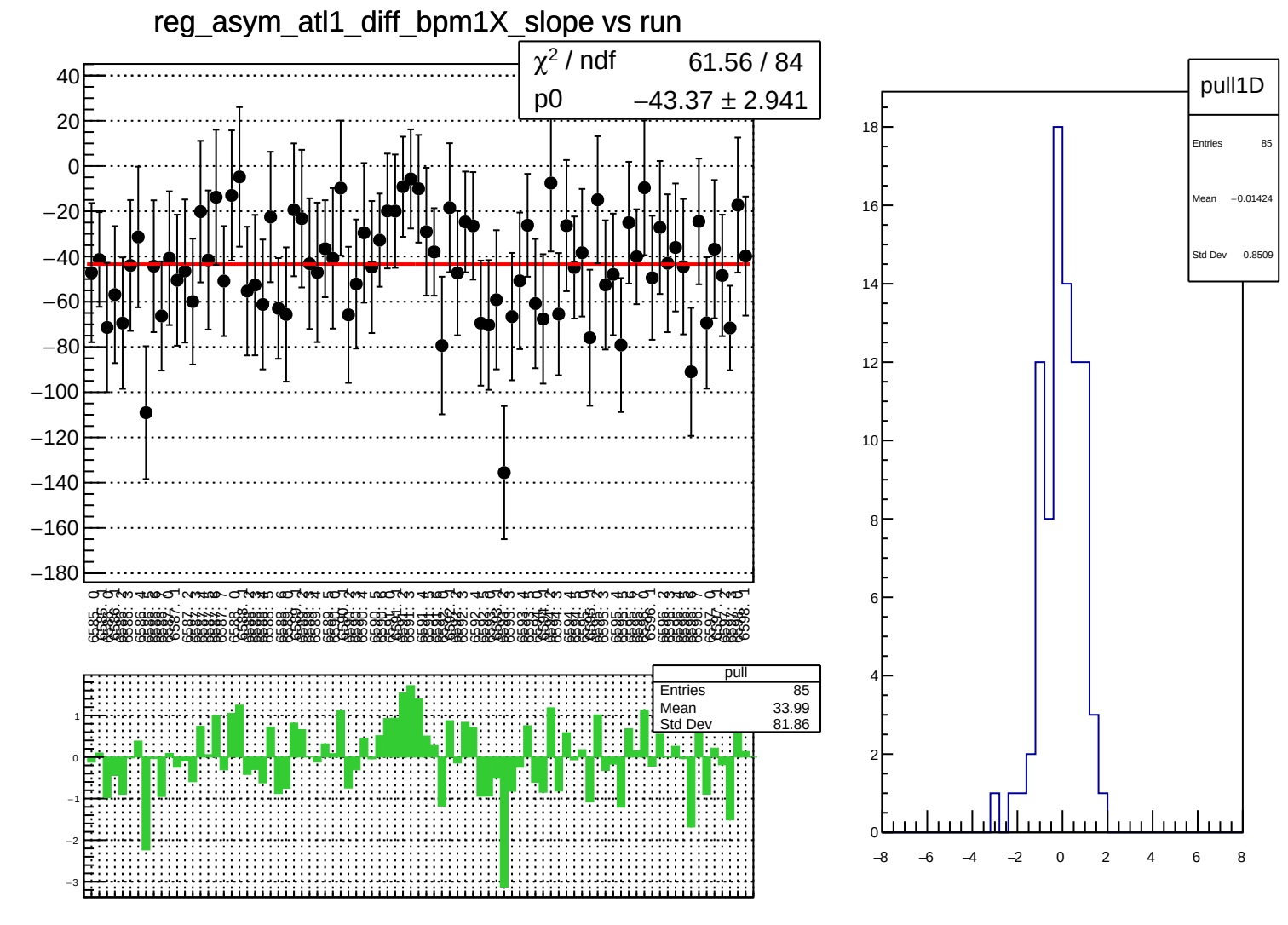

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 244.6 / 84
p0 −49.79 ± 0.5941
pull
Entries 85
Mean 84.07
Std Dev 45.6

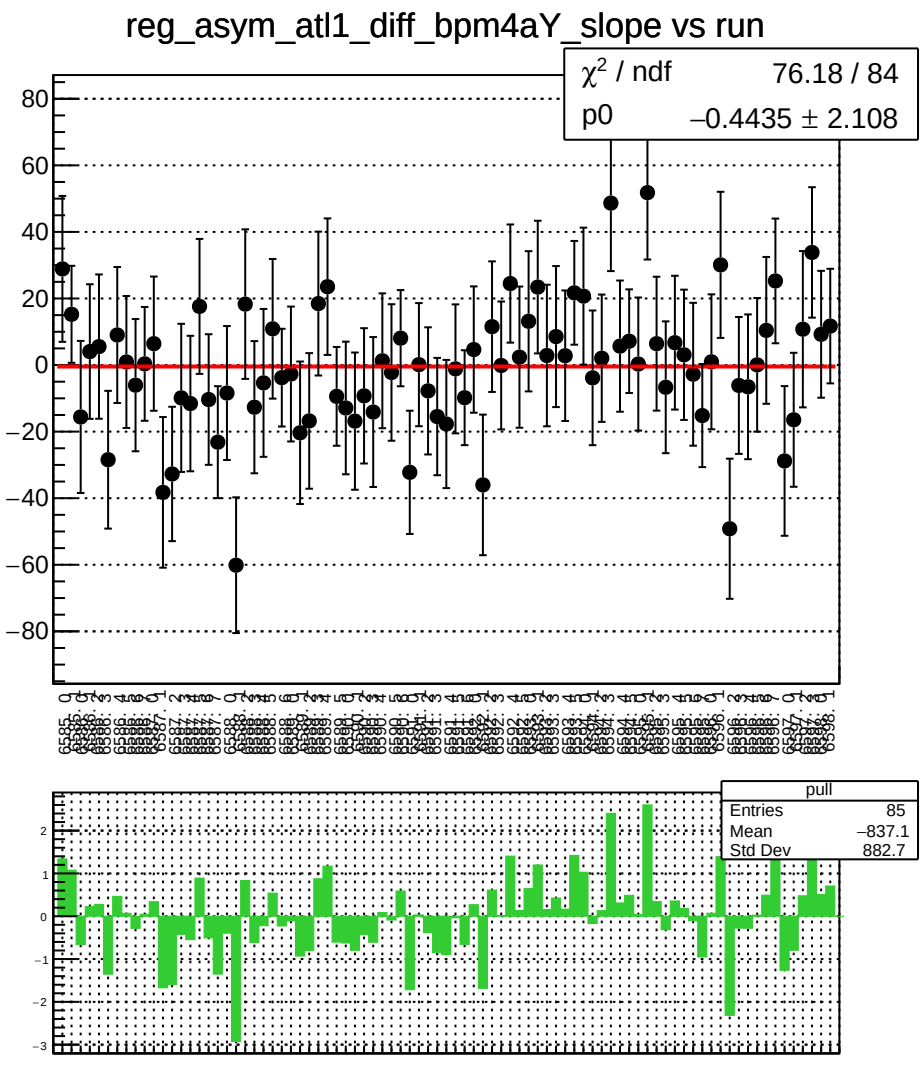

pull1D
Entries 85
Mean −0.1024
Std Dev 1.693

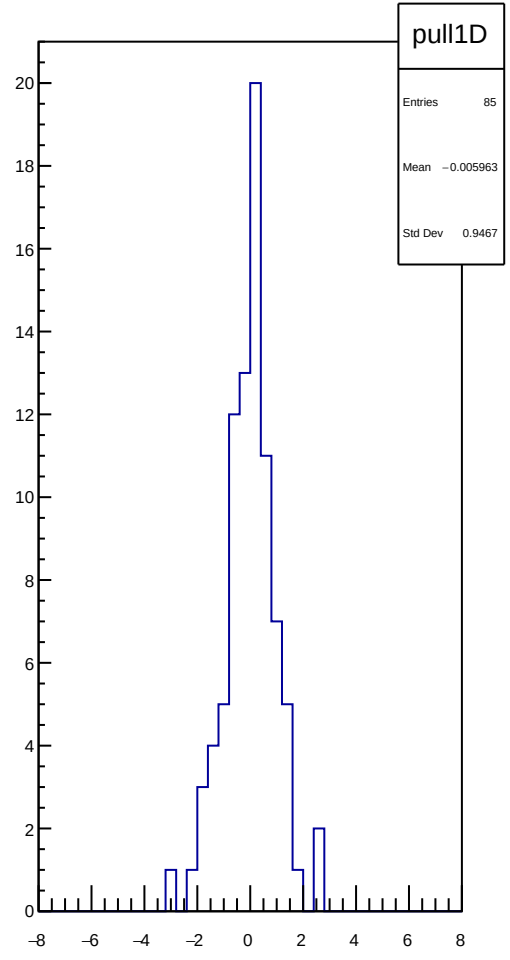

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 87.8 / 84
p0 34.99 ± 0.4775
pull
Entries 85
Mean 53.15
Std Dev 83.56
pull1D
Entries 85
Mean 0.03353
Std Dev 1.016

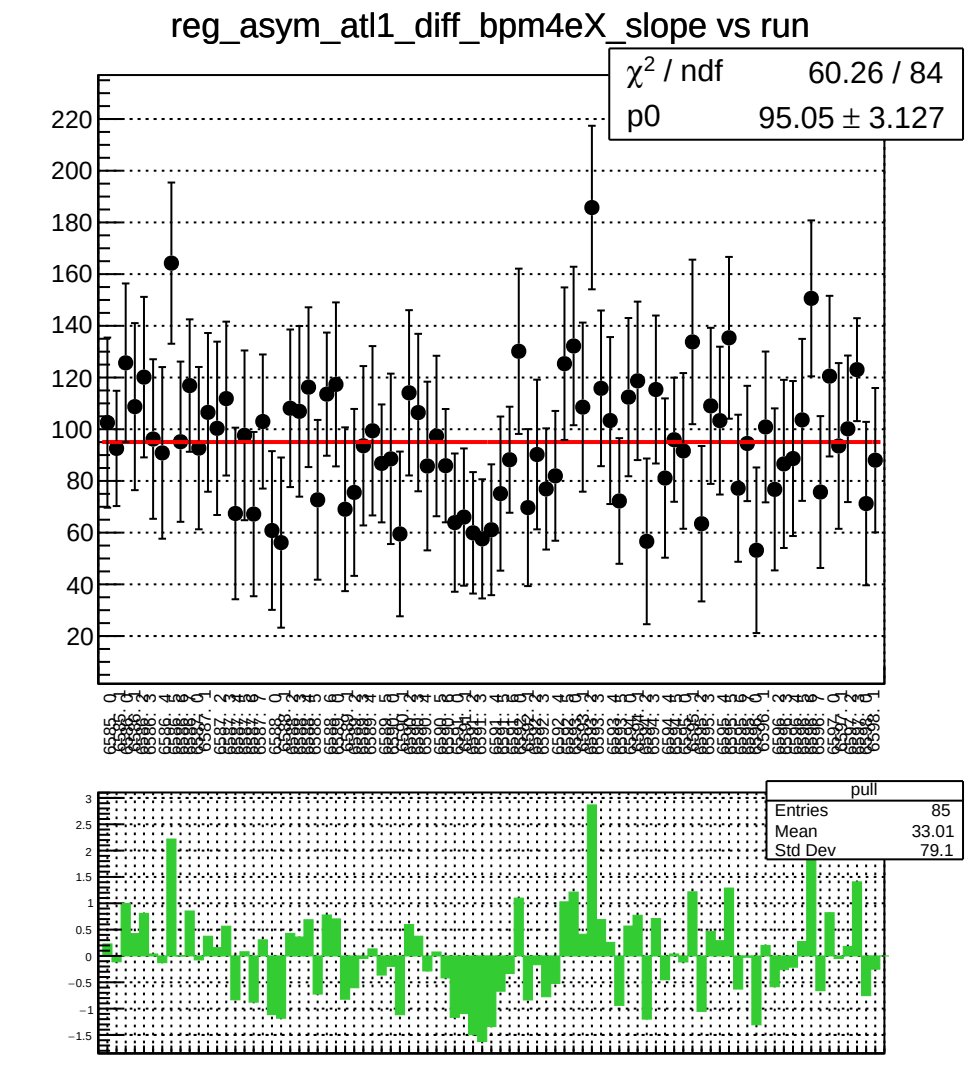

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 4.411 / 84
p0 0.2579 ± 0.02399
pull
Entries 85
Mean −85.65
Std Dev 115.8

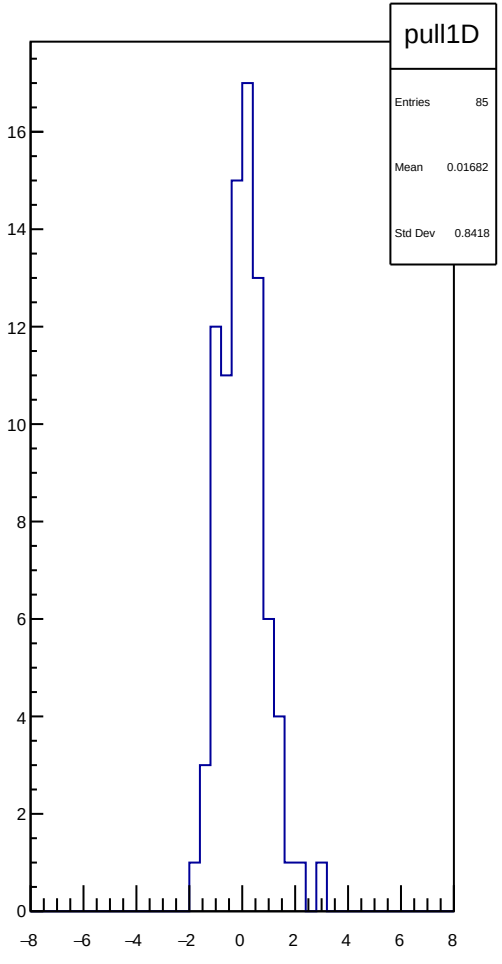

pull1D
Entries 85
Mean −0.005892
Std Dev 0.2277

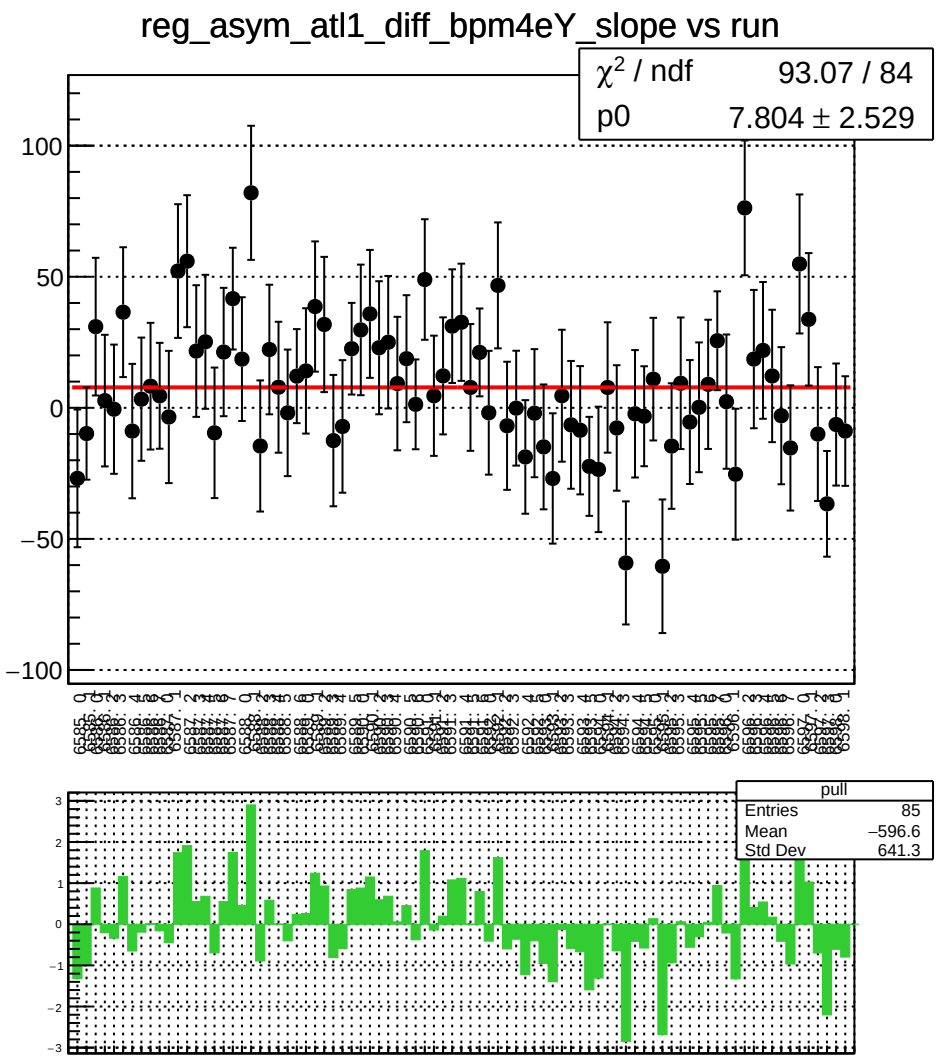

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 61.56 / 84
p0 −43.37 ± 2.941
pull
Entries 85
Mean 33.99
Std Dev 81.86
pull1D
Entries 85
Mean −0.01424
Std Dev 0.8509

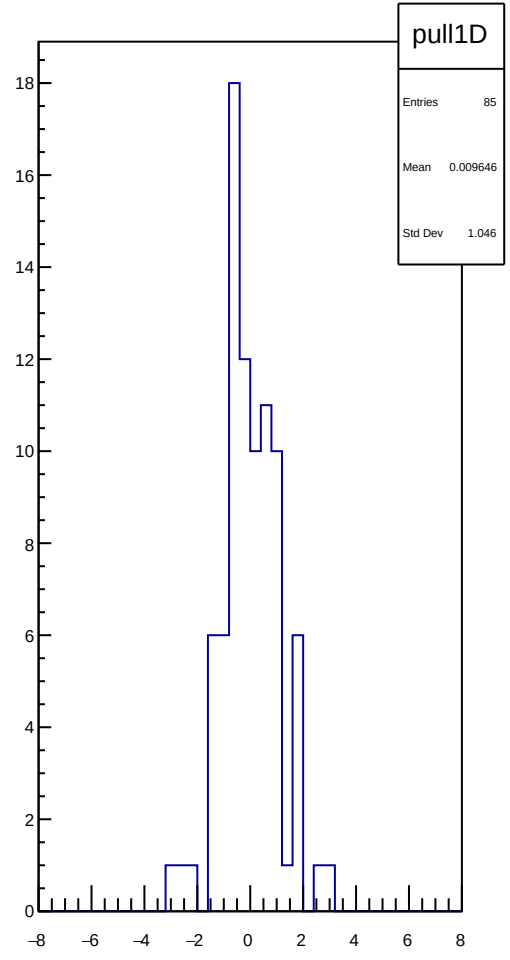

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 76.18 / 84
p0 −0.4435 ± 2.108
pull
Entries 85
Mean −837.1
Std Dev 882.7

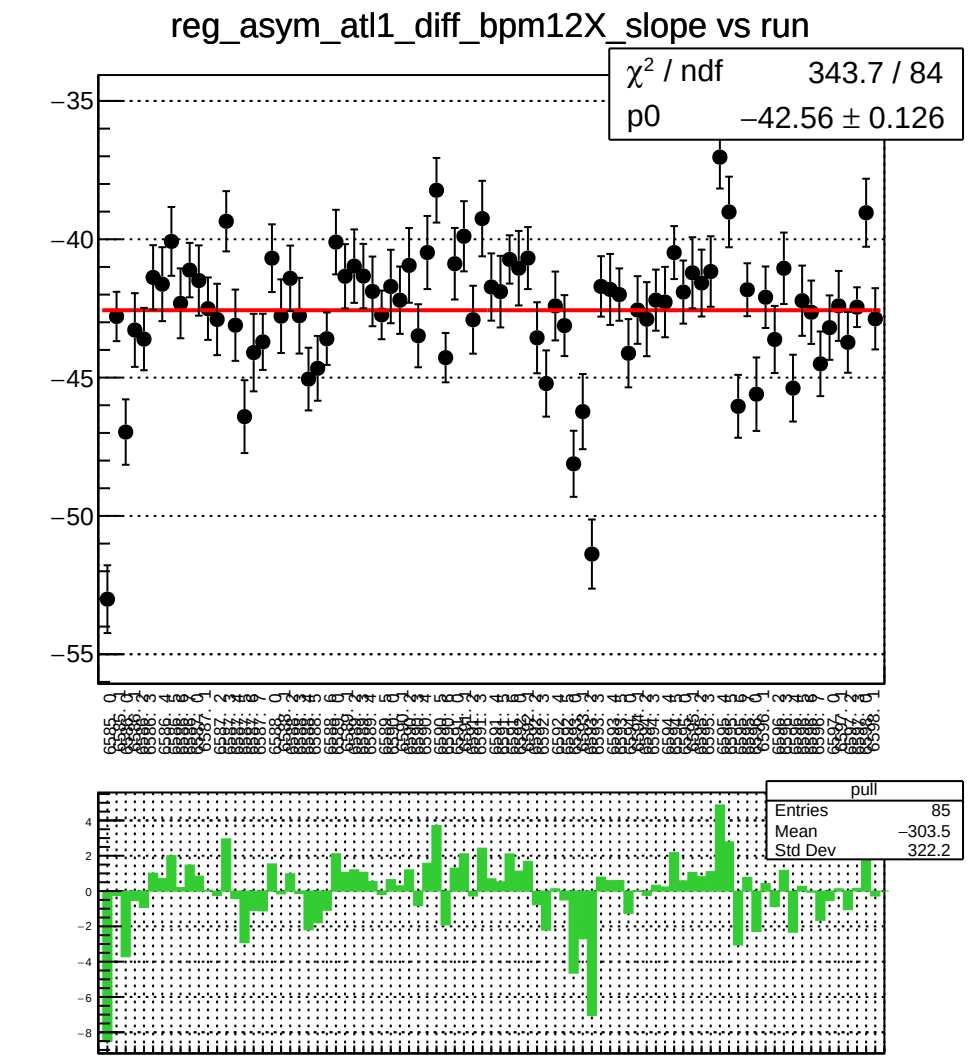

pull1D
Entries 85
Mean −0.005963
Std Dev 0.9467

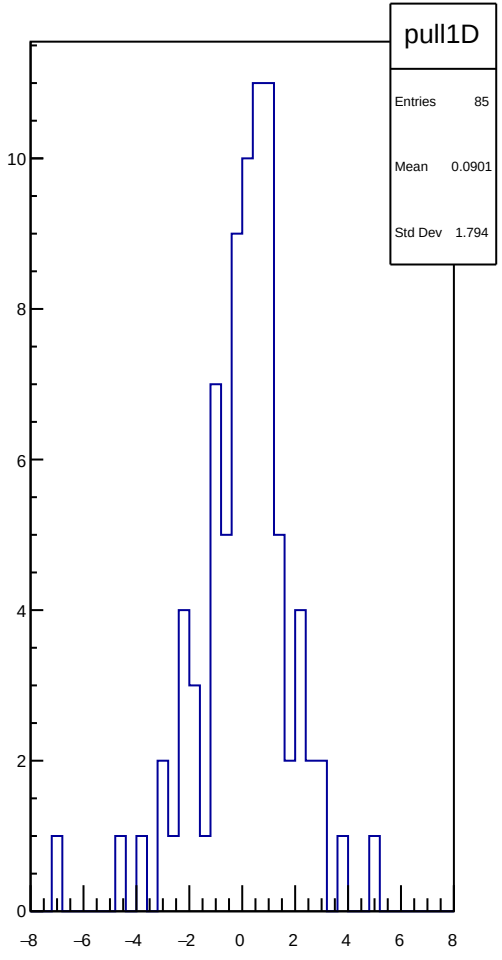

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 60.26 / 84
p0 95.05 ± 3.127
pull
Entries 85
Mean 33.01
Std Dev 79.1

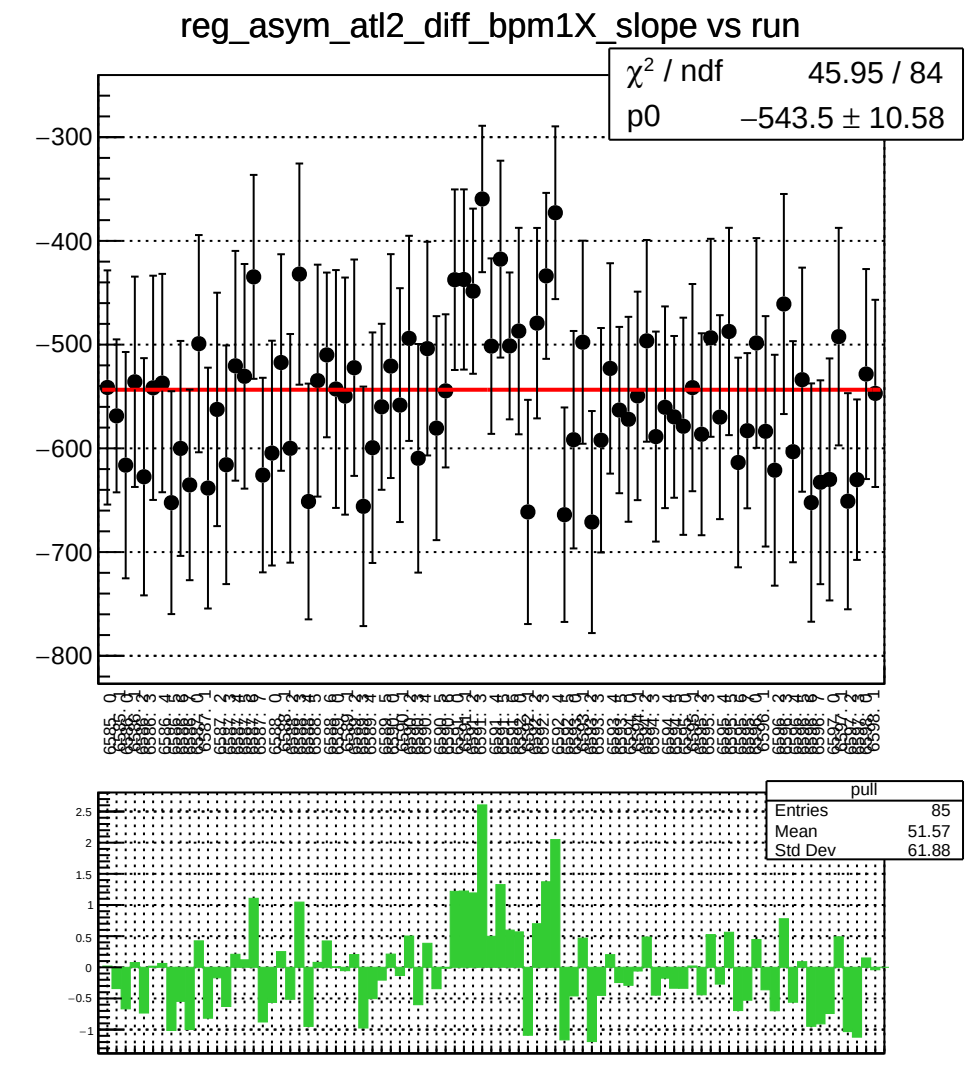

pull1D
Entries 85
Mean 0.01682
Std Dev 0.8418

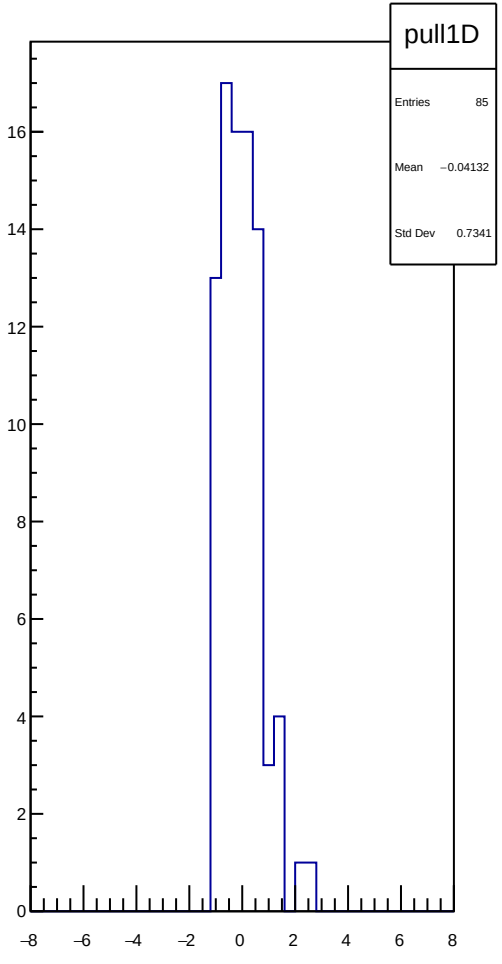

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 93.07 / 84
p0 7.804 ± 2.529
100
50
0
−50
−100
pull
Entries 85
Mean −596.6
Std Dev 641.3
3
2
1
0
−1
−2
−3

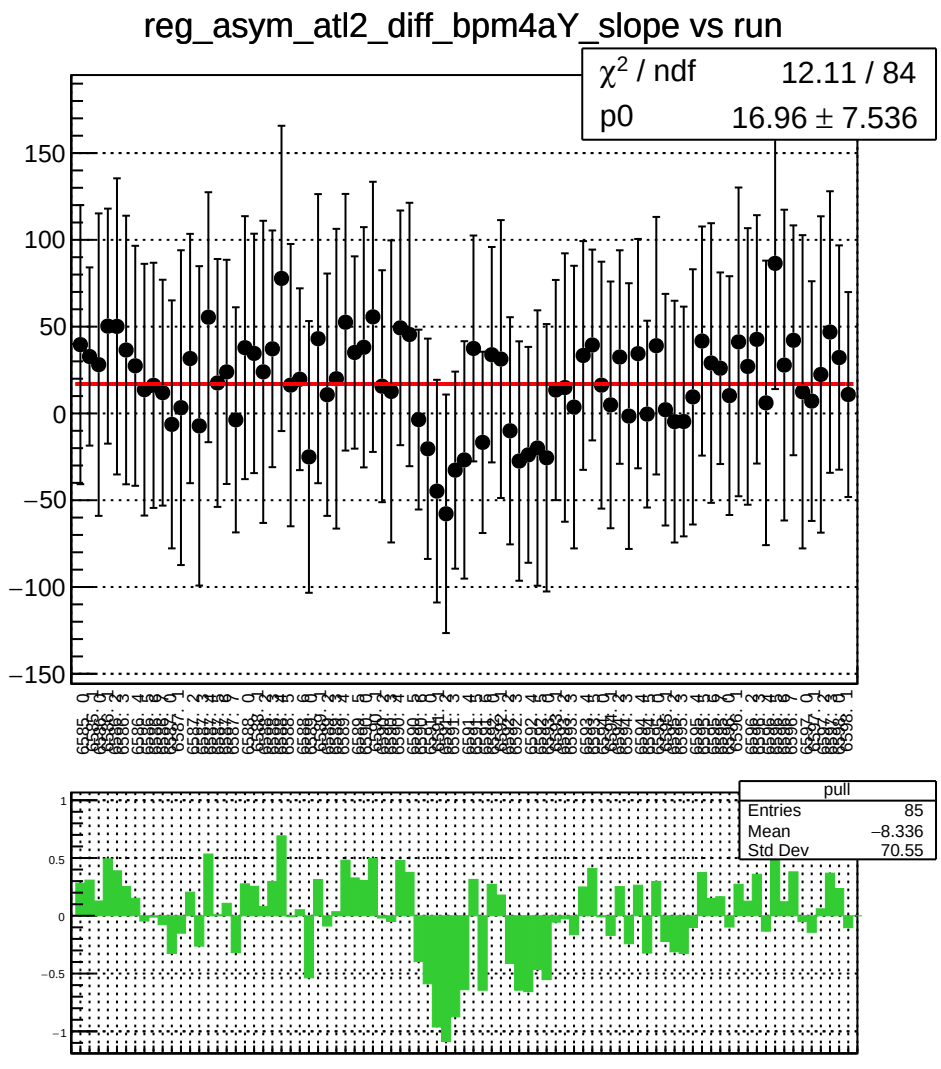

pull1D
Entries 85
Mean 0.009646
Std Dev 1.046
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

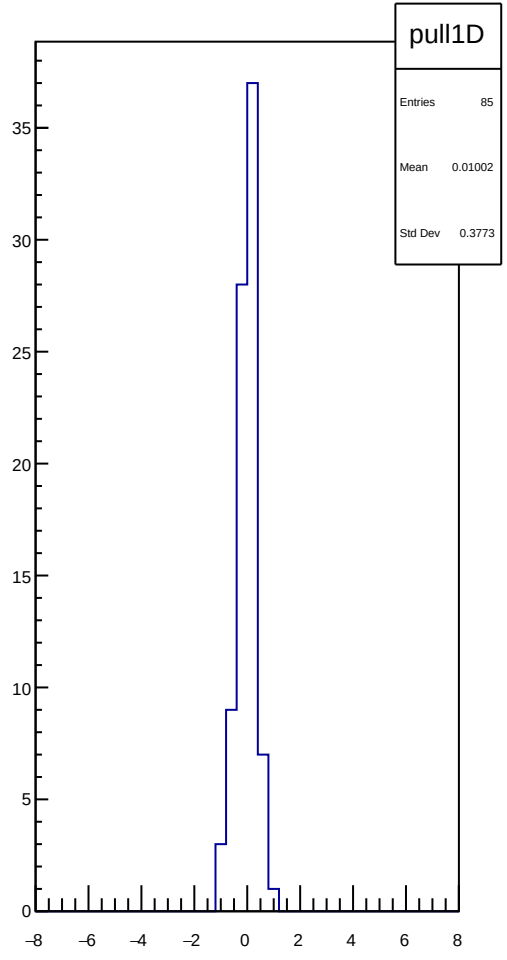

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 343.7 / 84
p0 −42.56 ± 0.126
pull
Entries 85
Mean −303.5
Std Dev 322.2

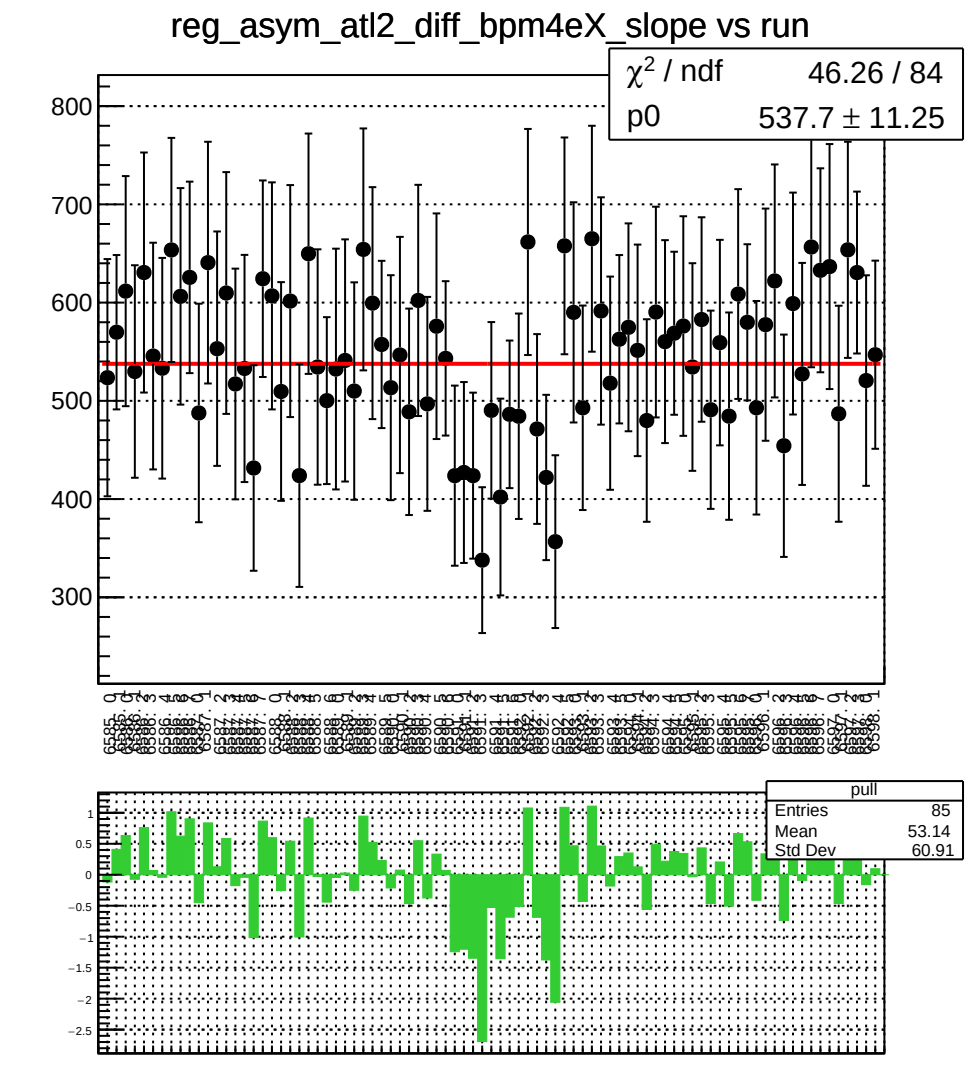

pull1D
Entries 85
Mean 0.0901
Std Dev 1.794

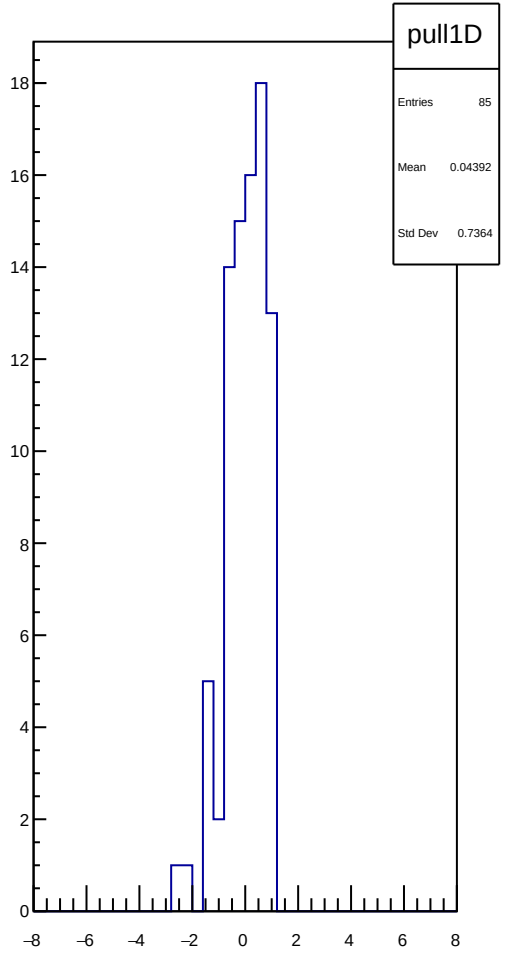

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 45.95 / 84
p0 −543.5 ± 10.58
pull
Entries 85
Mean 51.57
Std Dev 61.88

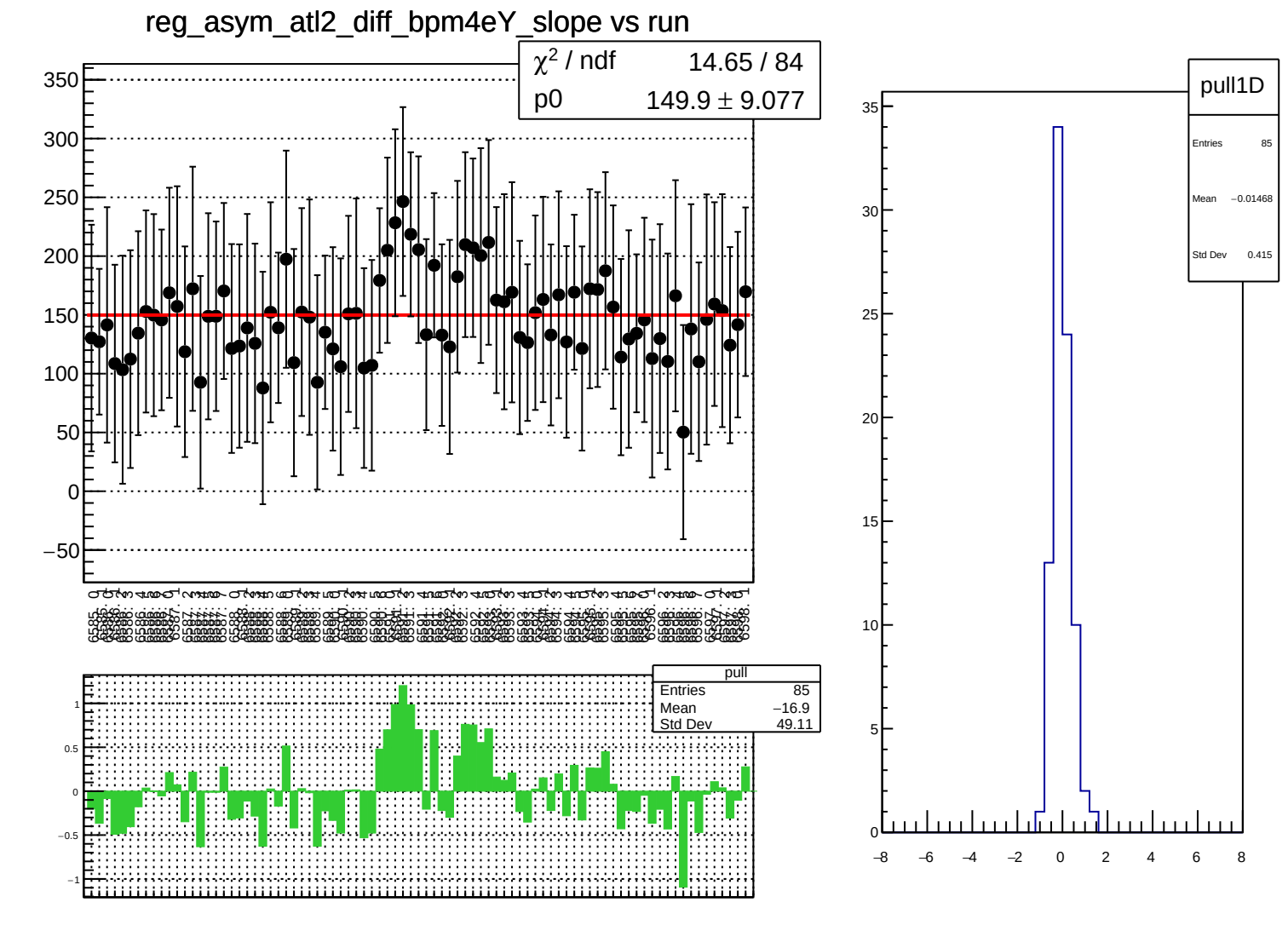

pull1D
Entries 85
Mean −0.04132
Std Dev 0.7341

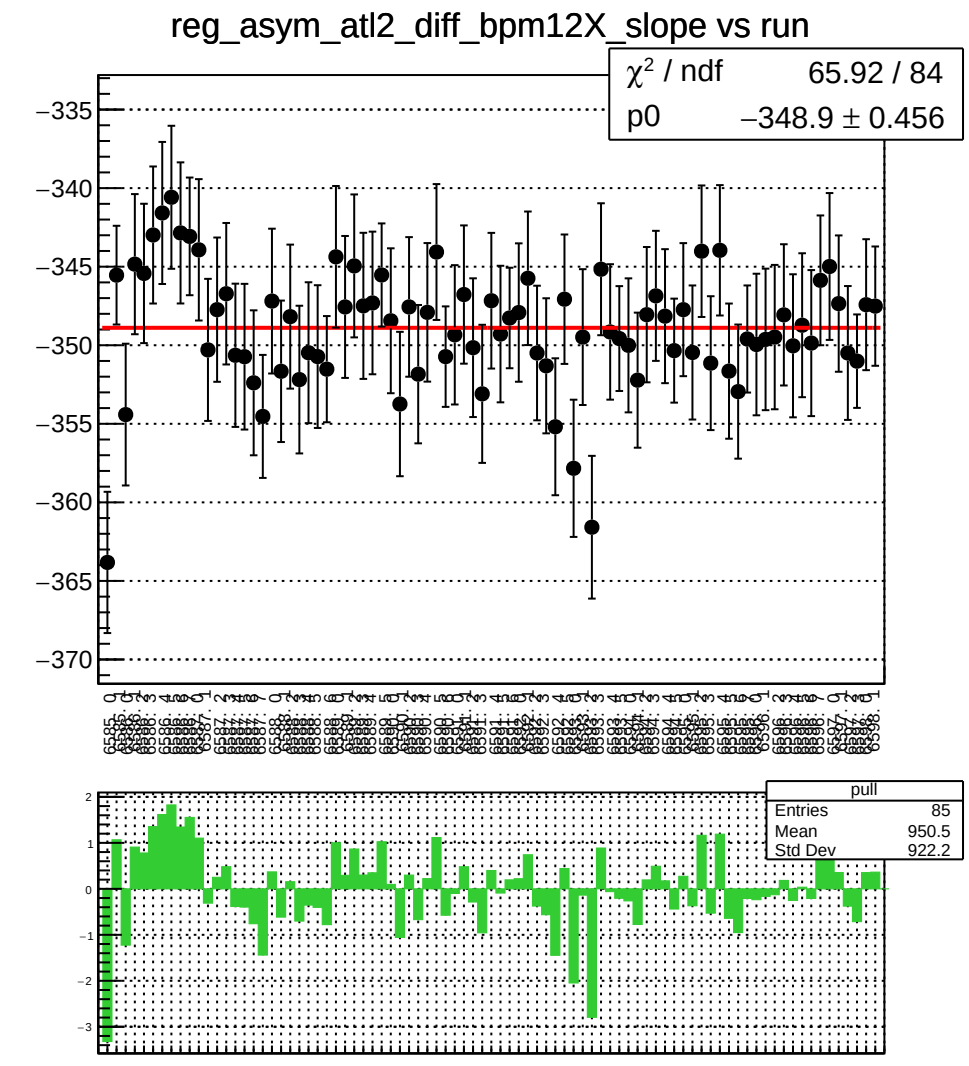

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 12.11 / 84
p0 16.96 ± 7.536
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean −8.336
Std Dev 70.55
1
0.5
0
−0.5
−1

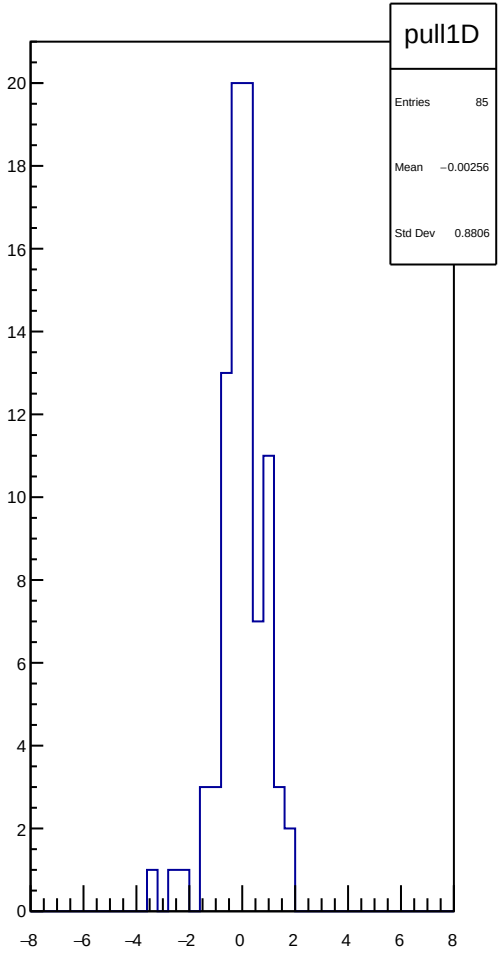

pull1D
Entries 85
Mean 0.01002
Std Dev 0.3773
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

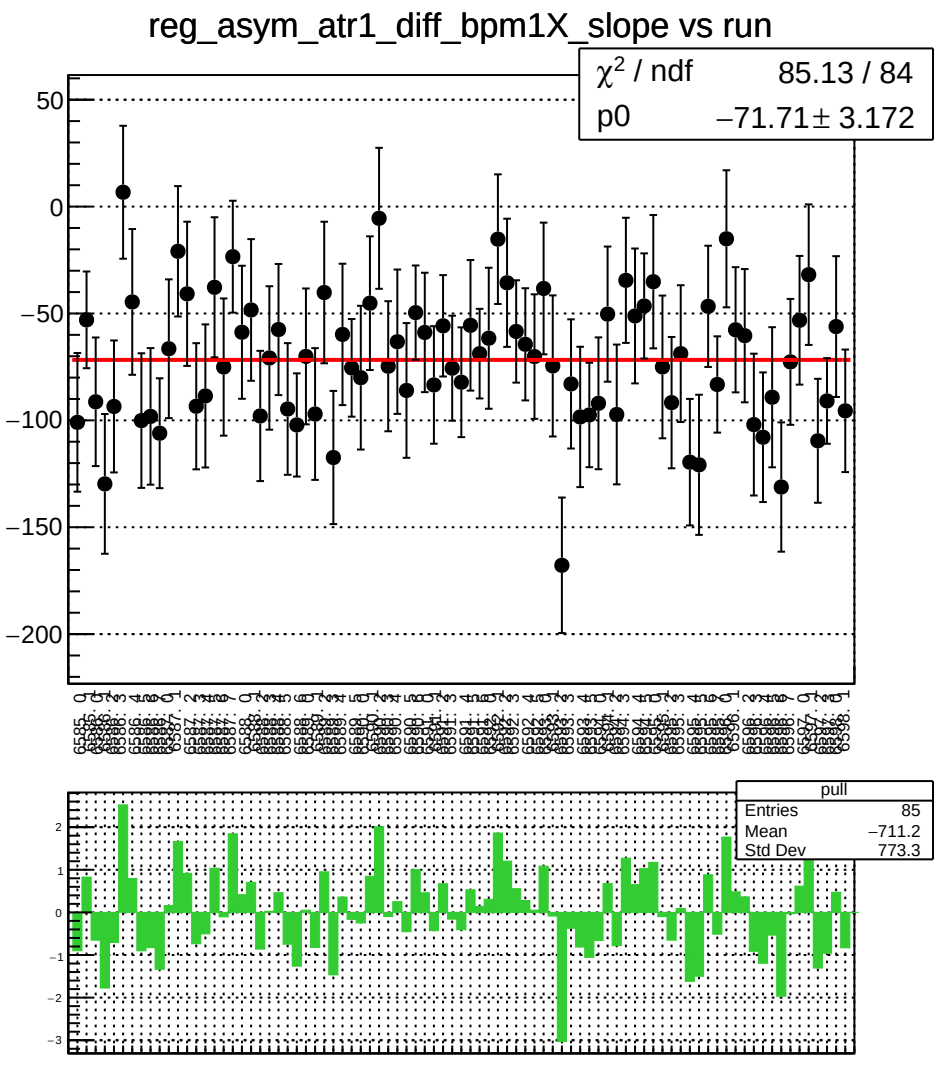

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 46.26 / 84
p0 537.7 ± 11.25
800
700
600
500
400
300
pull
Entries 85
Mean 53.14
Std Dev 60.91
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

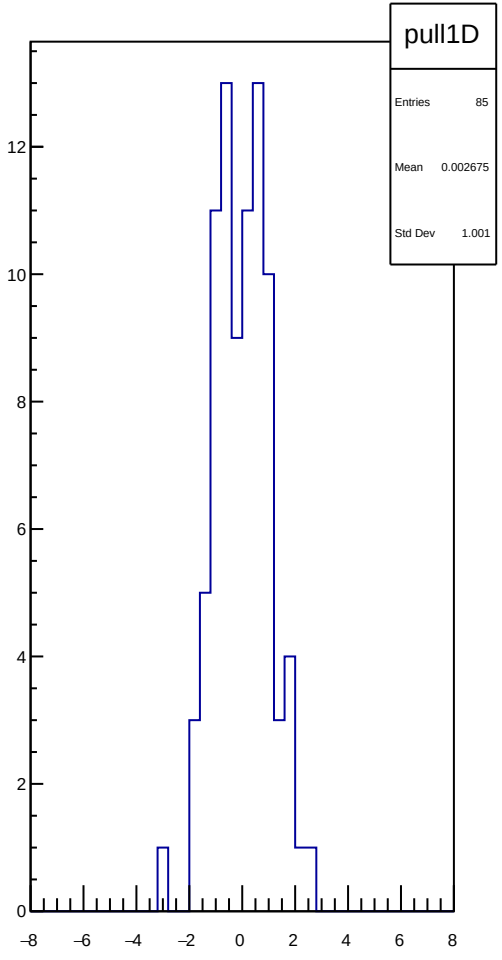

pull1D
Entries 85
Mean 0.04392
Std Dev 0.7364
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

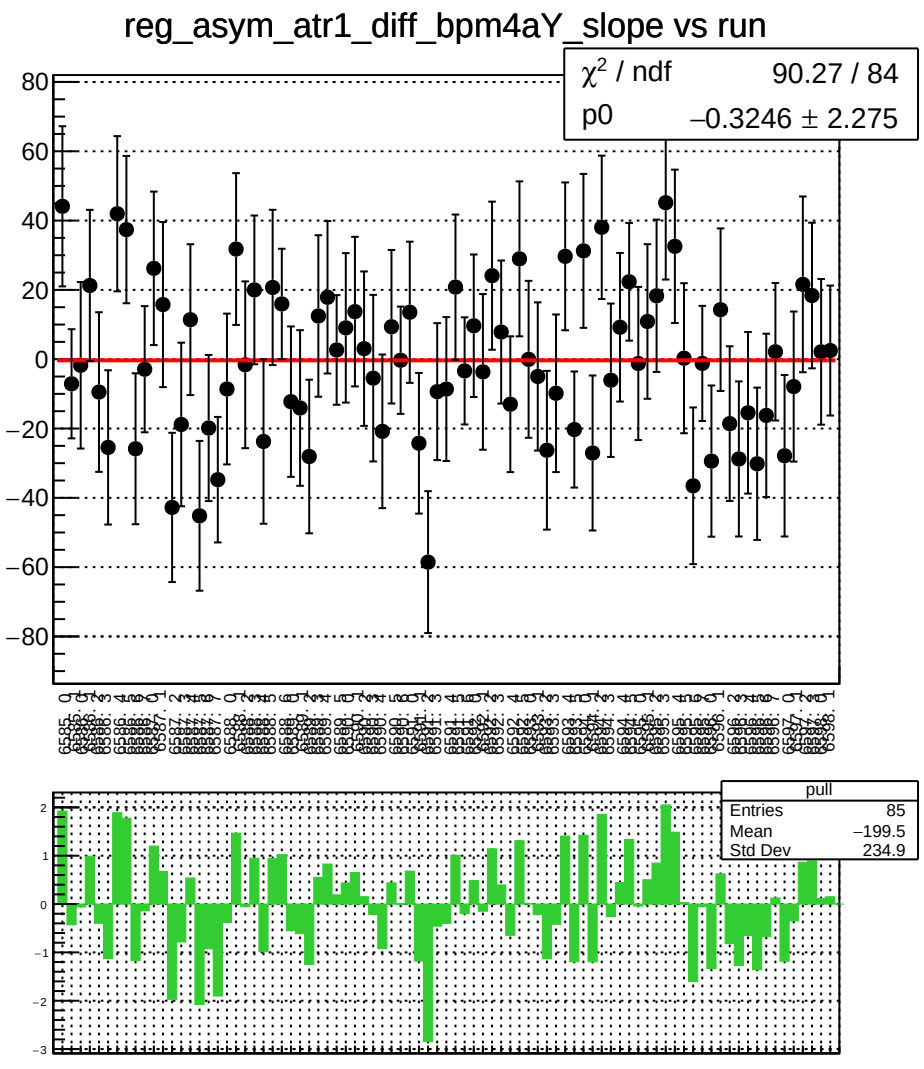

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 14.65 / 84
p0 149.9 ± 9.077
pull
Entries 85
Mean −16.9
Std Dev 49.11
pull1D
Entries 85
Mean −0.01468
Std Dev 0.415

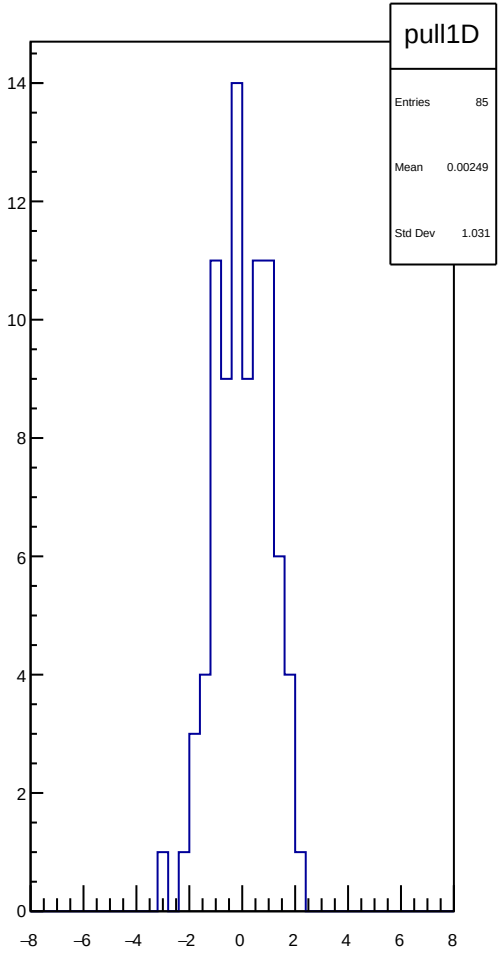

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 65.92 / 84
p0 −348.9 ± 0.456
pull
Entries 85
Mean 950.5
Std Dev 922.2

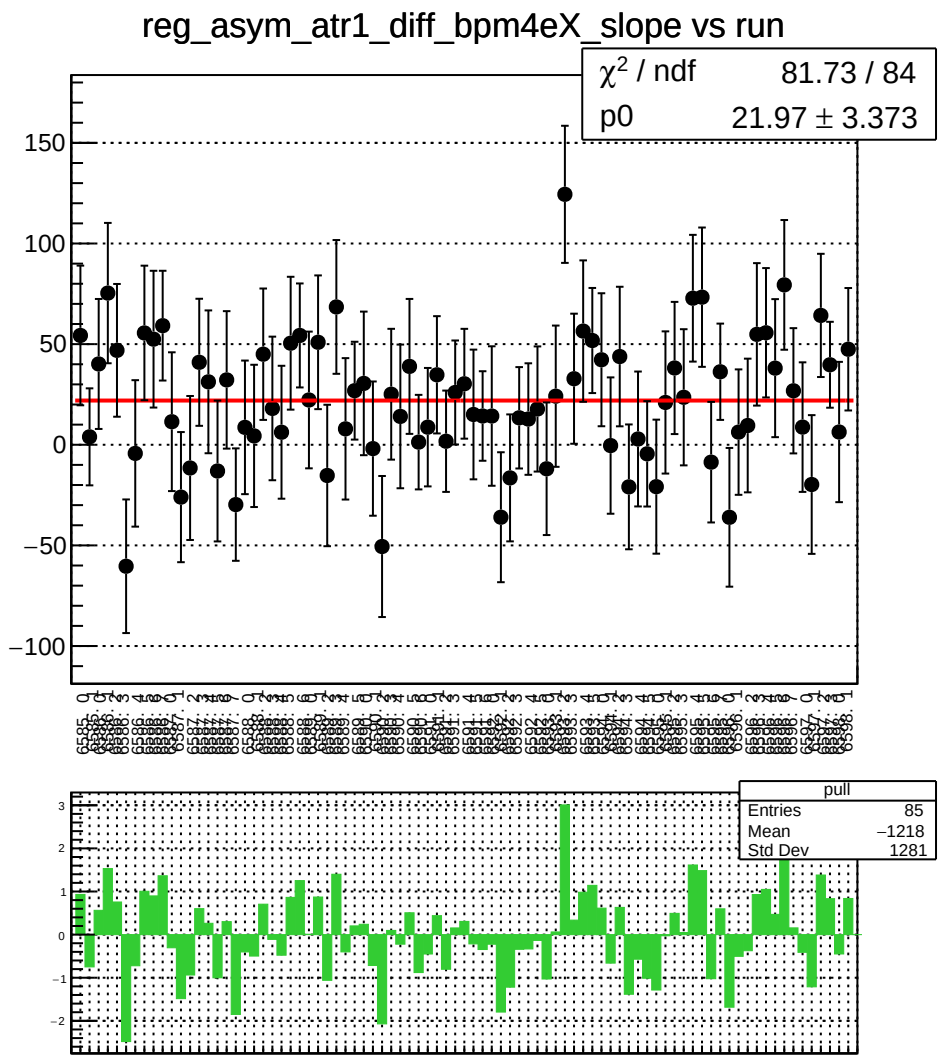

pull1D
Entries 85
Mean −0.00256
Std Dev 0.8806

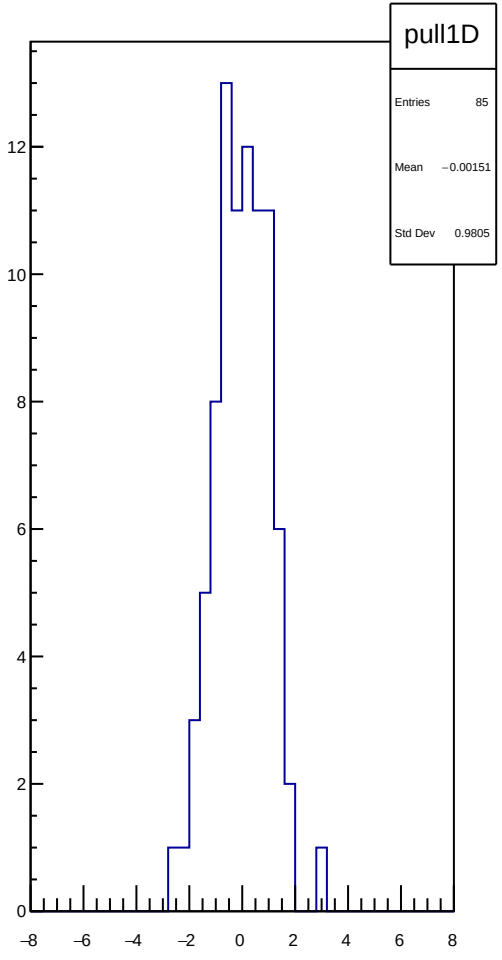

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 85.13 / 84
p0 −71.71 ± 3.172
50
0
−50
−100
−150
−200
pull
Entries 85
Mean −711.2
Std Dev 773.3
2
1
0
−1
−2
−3

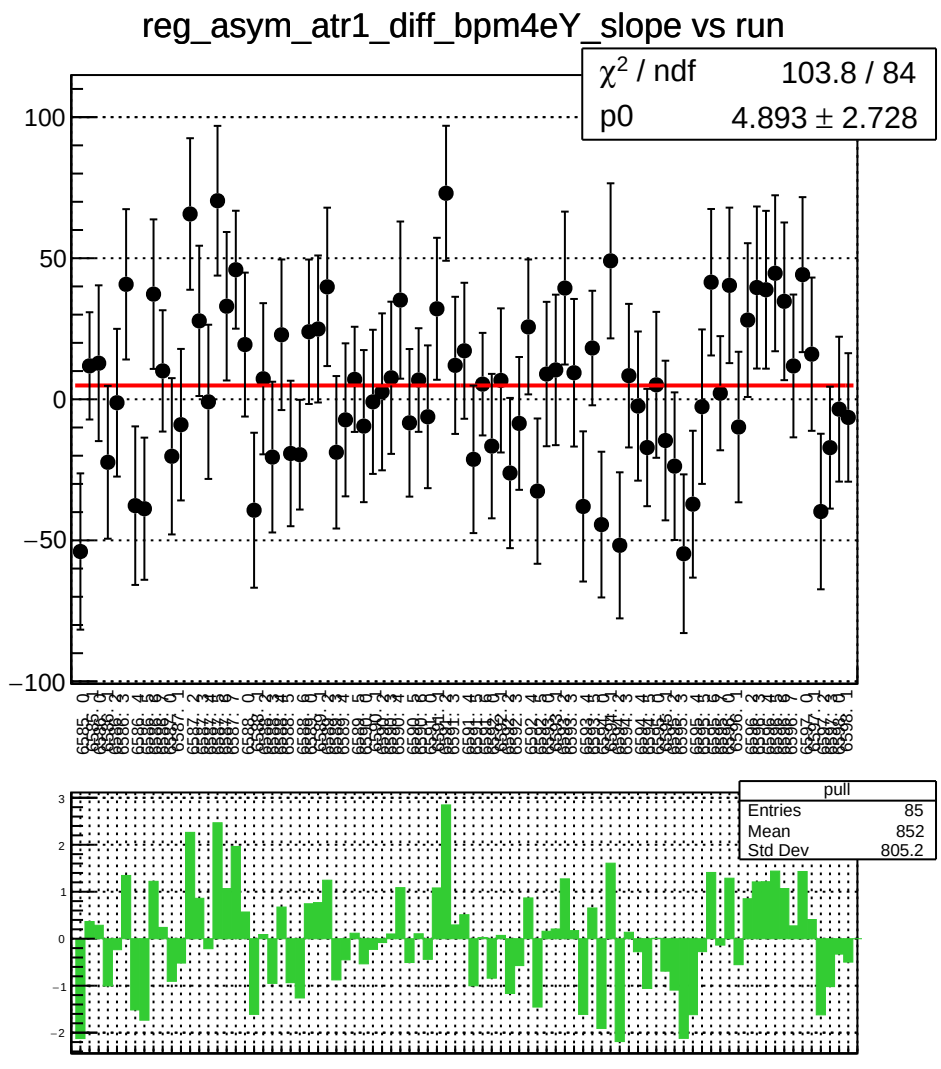

pull1D
Entries 85
Mean 0.002675
Std Dev 1.001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

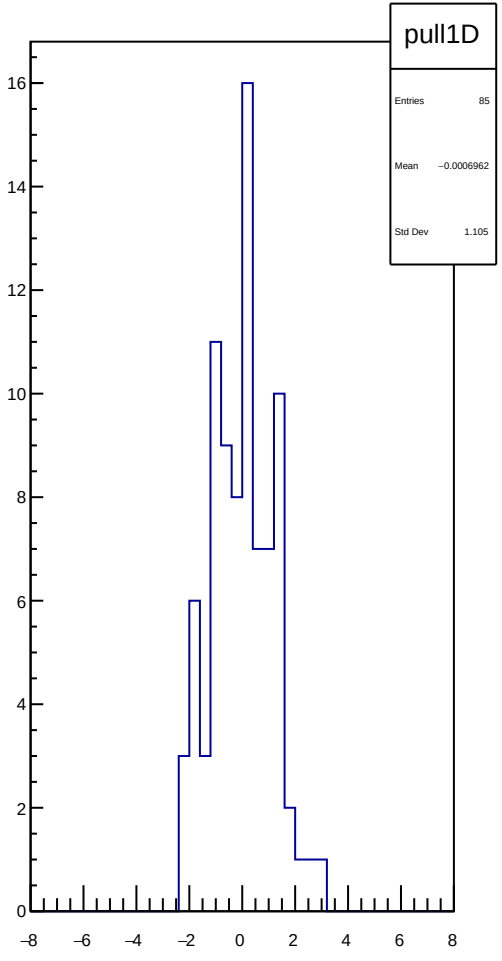

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 90.27 / 84
p0 −0.3246 ± 2.275
pull
Entries 85
Mean −199.5
Std Dev 234.9

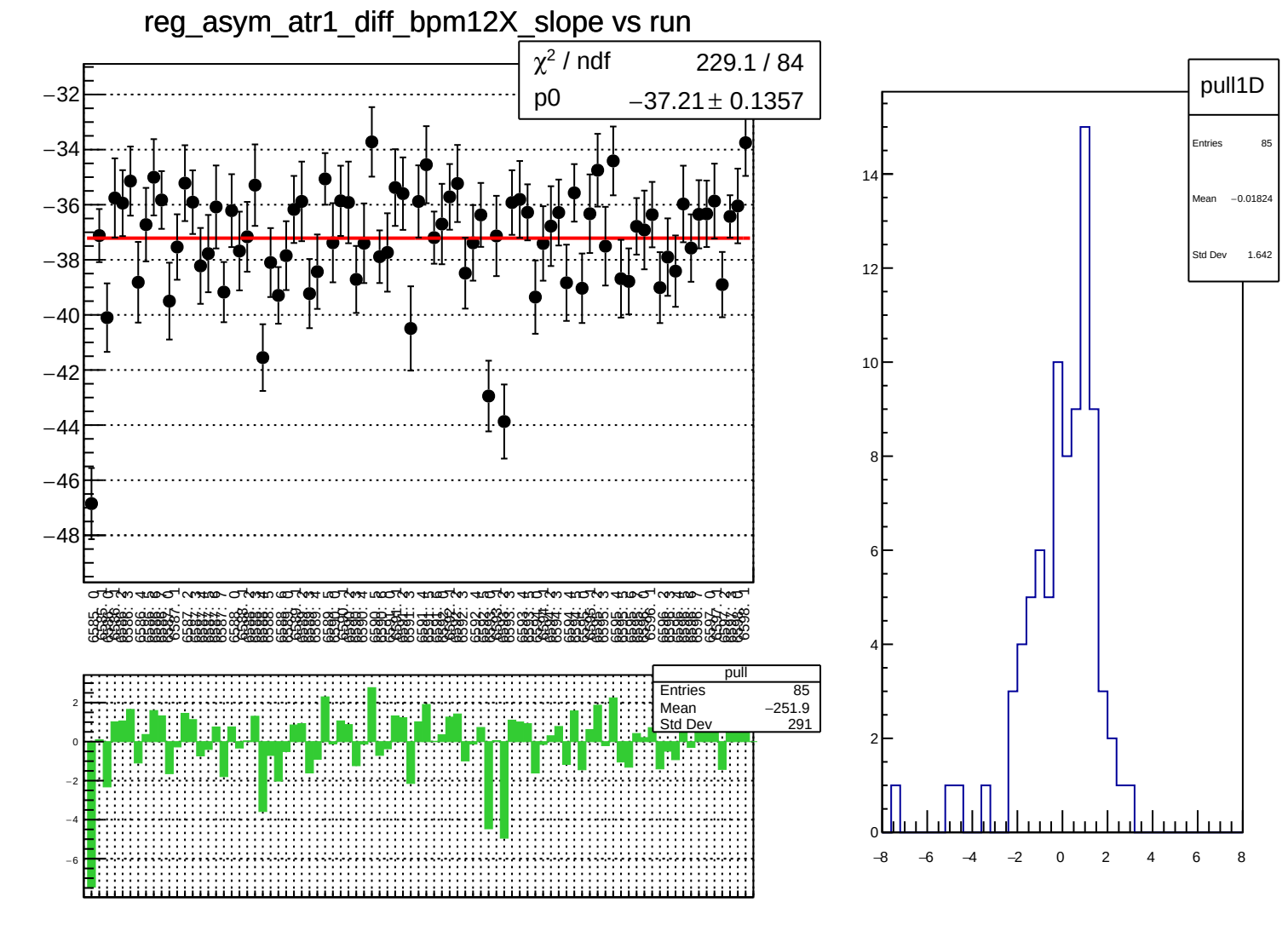

pull1D
Entries 85
Mean 0.00249
Std Dev 1.031

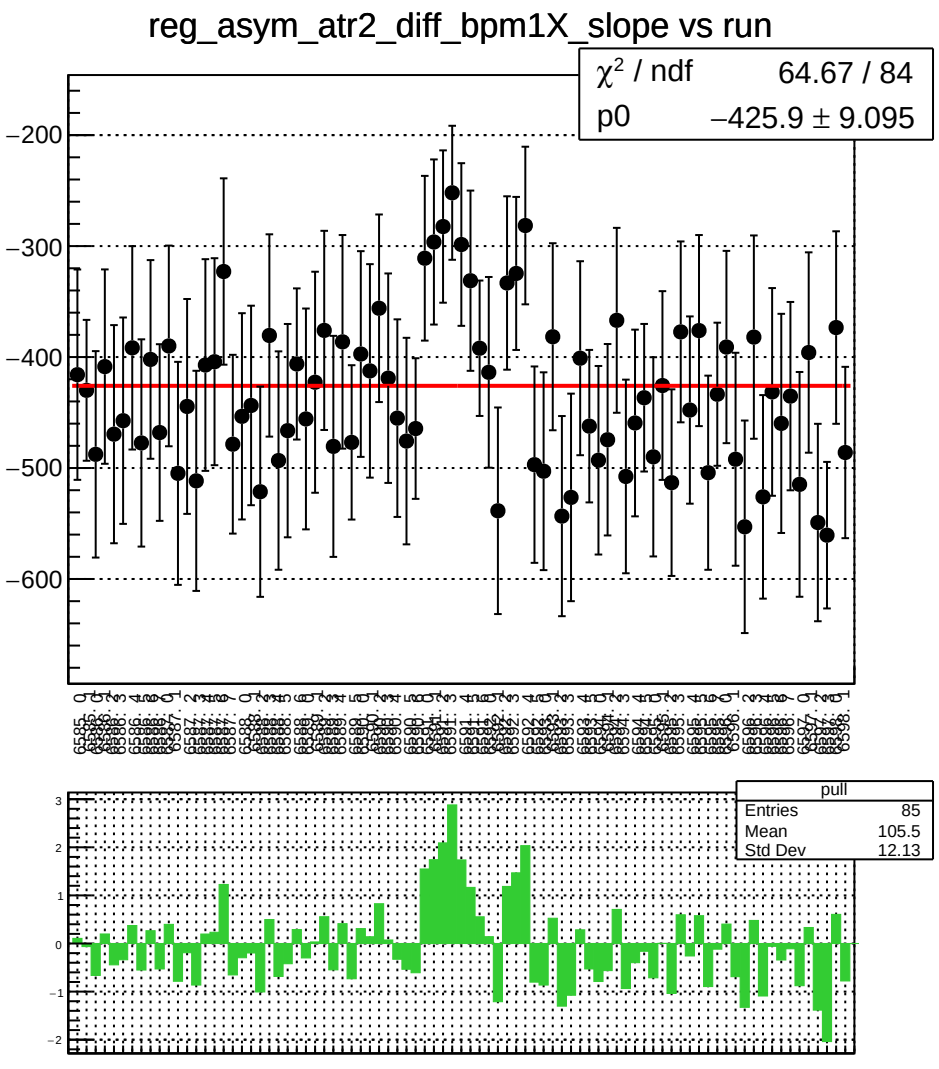

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 81.73 / 84
p0 21.97 ± 3.373
150
100
50
0
−50
−100
pull
Entries 85
Mean −1218
Std Dev 1281
3
2
1
0
−1
−2

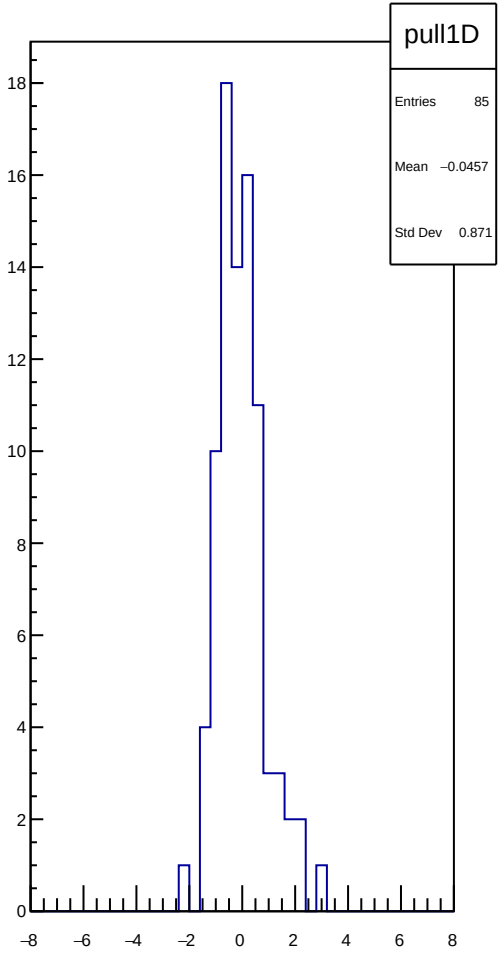

pull1D
Entries 85
Mean −0.00151
Std Dev 0.9805
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

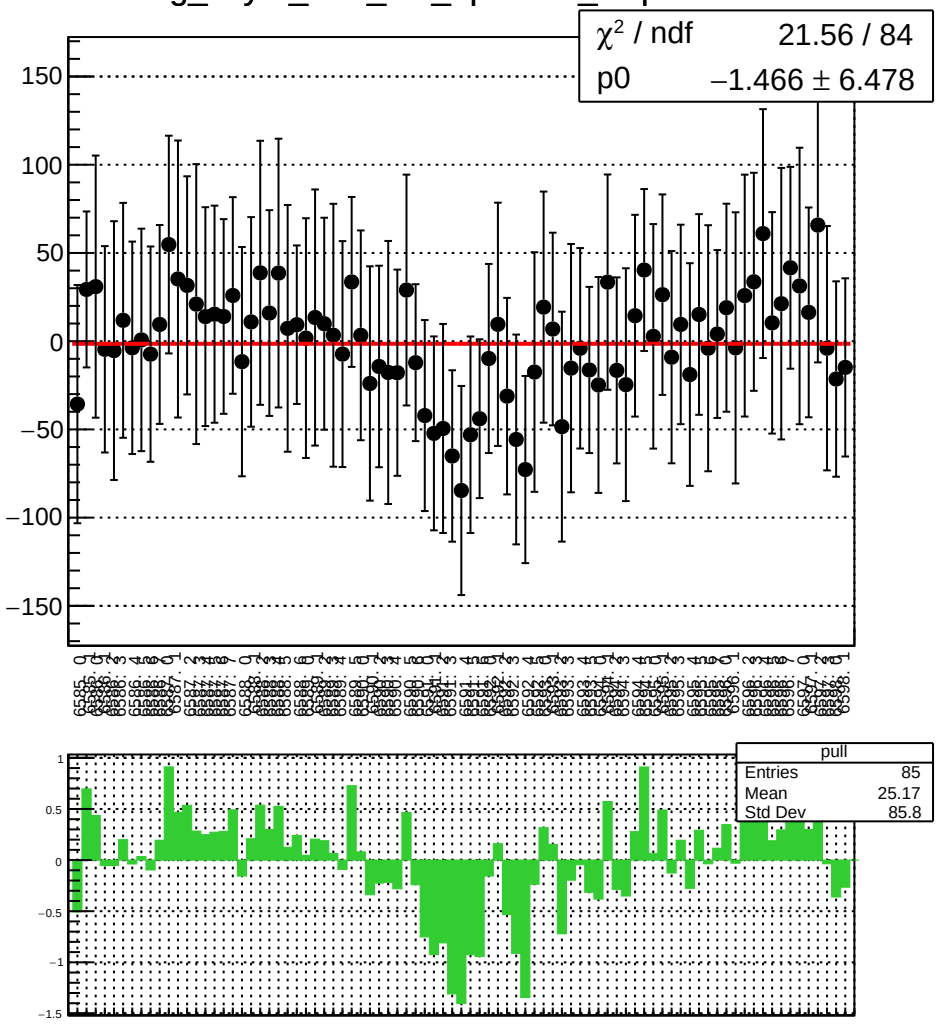

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 103.8 / 84
p0 4.893 ± 2.728
pull
Entries 85
Mean 852
Std Dev 805.2

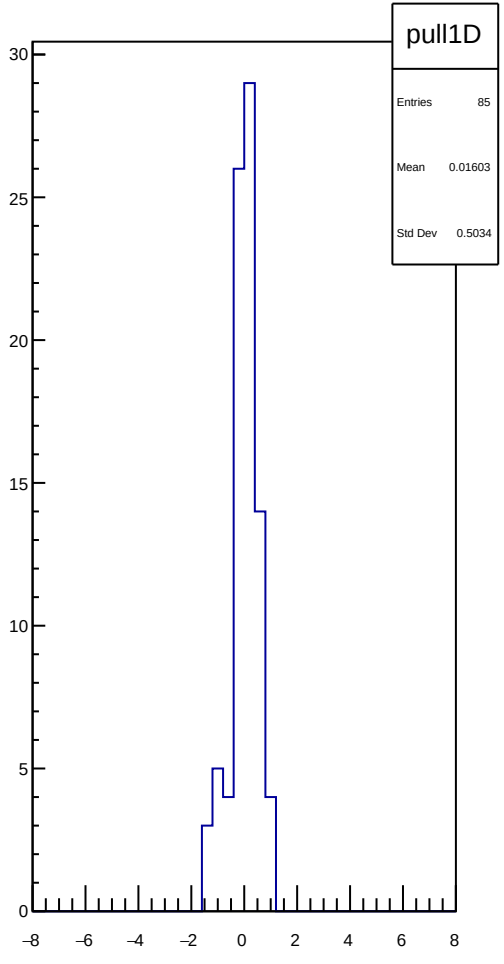

pull1D
Entries 85
Mean −0.0006962
Std Dev 1.105

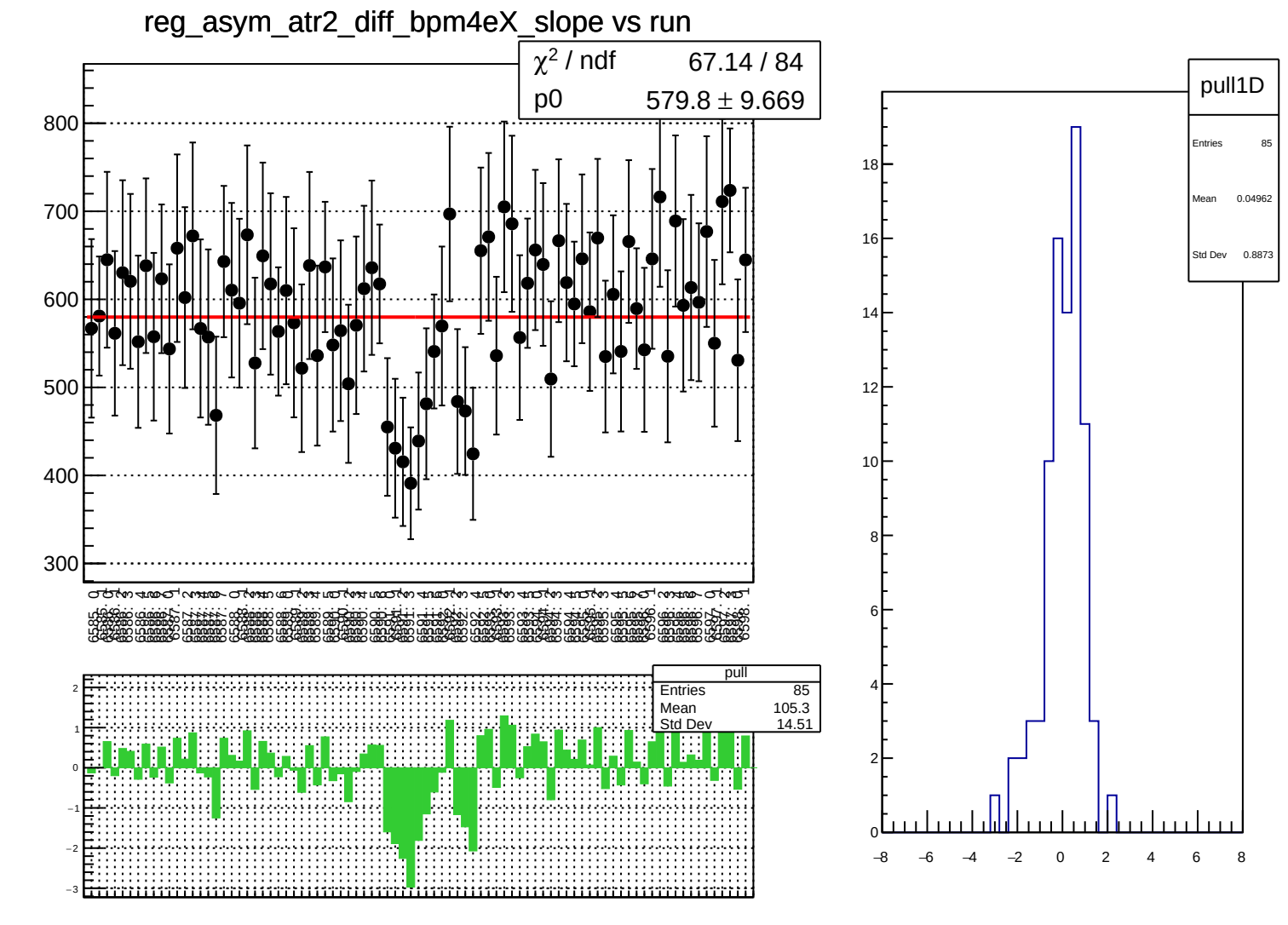

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 229.1 / 84
p0 −37.21 ± 0.1357
pull
Entries 85
Mean −251.9
Std Dev 291
pull1D
Entries 85
Mean −0.01824
Std Dev 1.642

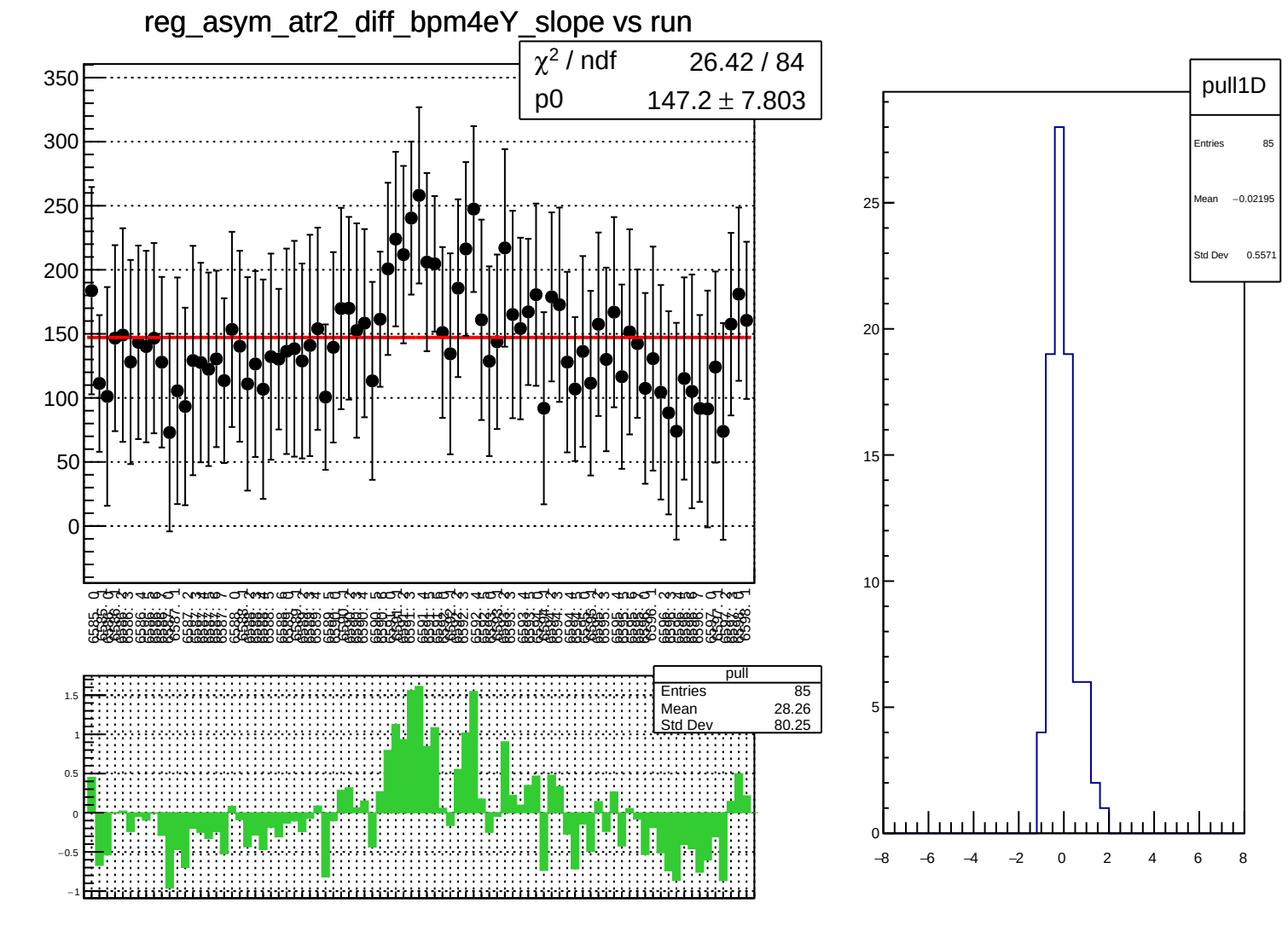

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 64.67 / 84
p0 −425.9 ± 9.095
−200
−300
−400
−500
−600
pull
Entries 85
Mean 105.5
Std Dev 12.13
3
2
1
0
−1
−2

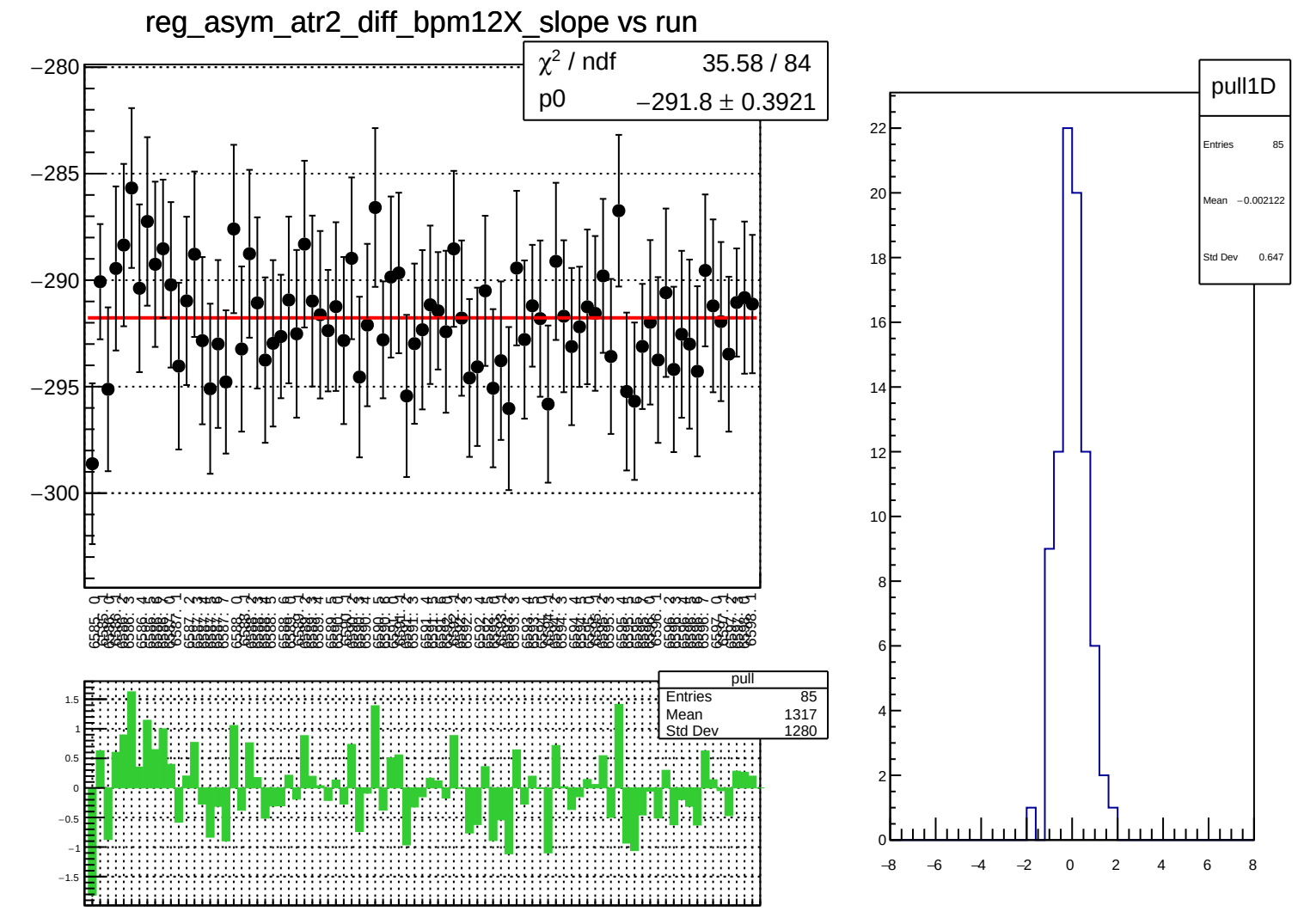

pull1D
Entries 85
Mean −0.0457
Std Dev 0.871
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

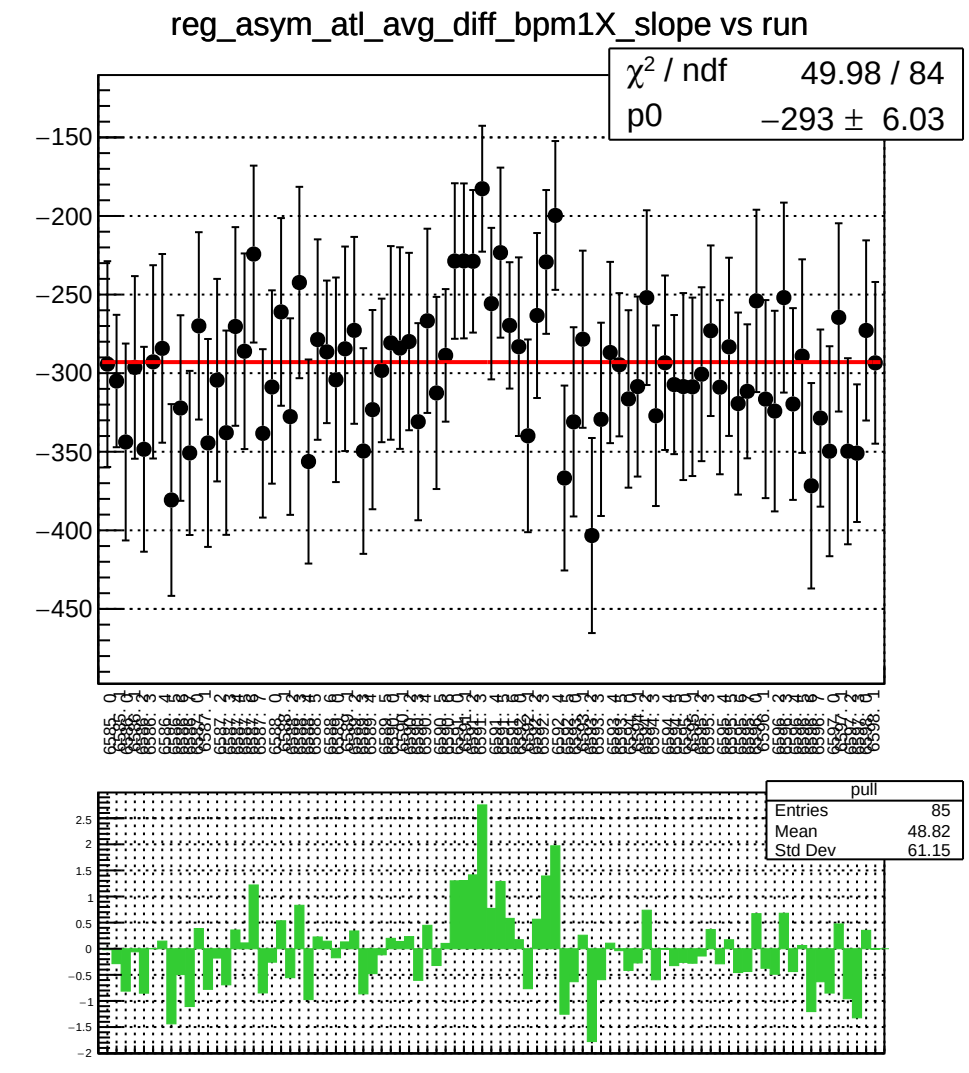

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 21.56 / 84
p0 −1.466 ± 6.478
150
100
50
0
−50
−100
−150
pull
Entries 85
Mean 25.17
Std Dev 85.8
1
0.5
0
−0.5
−1
−1.5

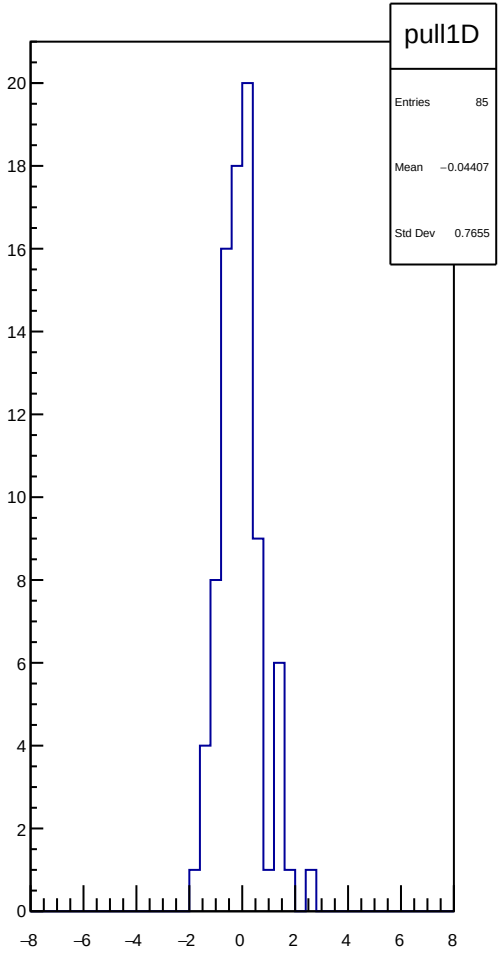

pull1D
Entries 85
Mean 0.01603
Std Dev 0.5034
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

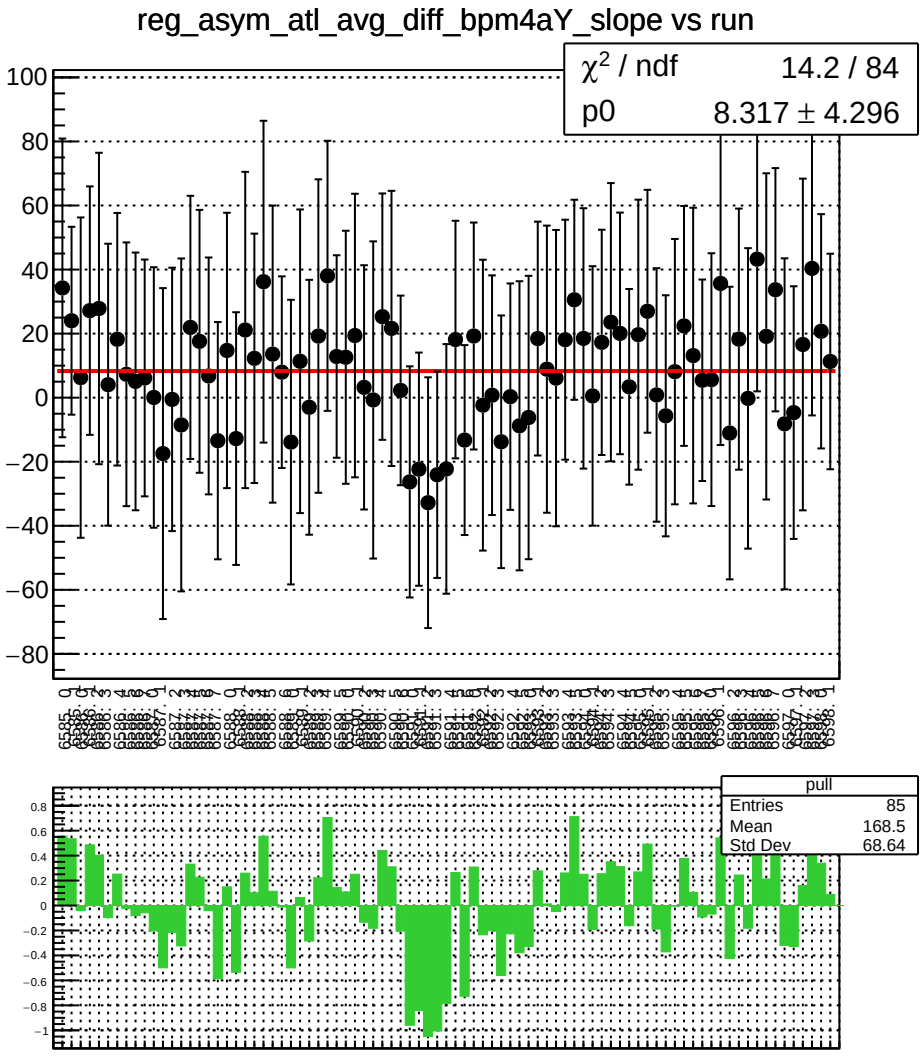

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 67.14 / 84
p0 579.8 ± 9.669
800
700
600
500
400
300
pull
Entries 85
Mean 105.3
Std Dev 14.51
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.04962
Std Dev 0.8873
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

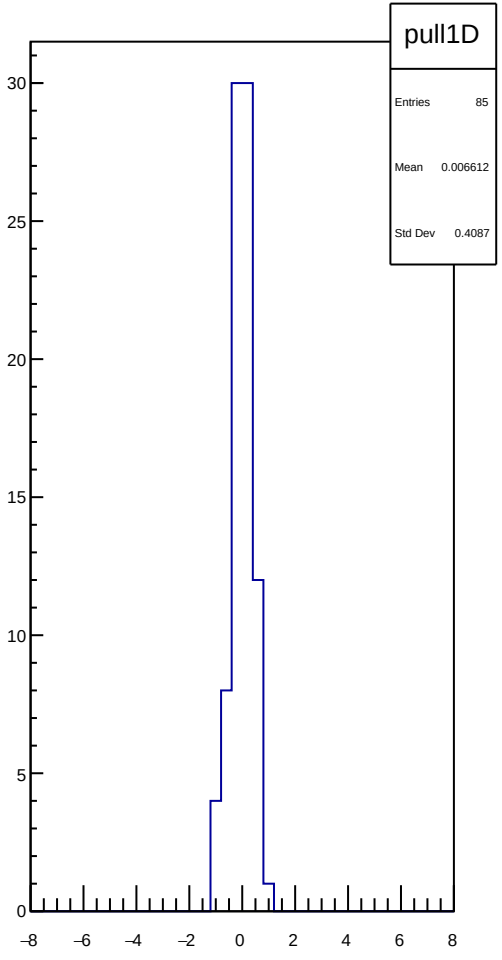

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 26.42 / 84
p0 147.2 ± 7.803
pull
Entries 85
Mean 28.26
Std Dev 80.25
pull1D
Entries 85
Mean −0.02195
Std Dev 0.5571

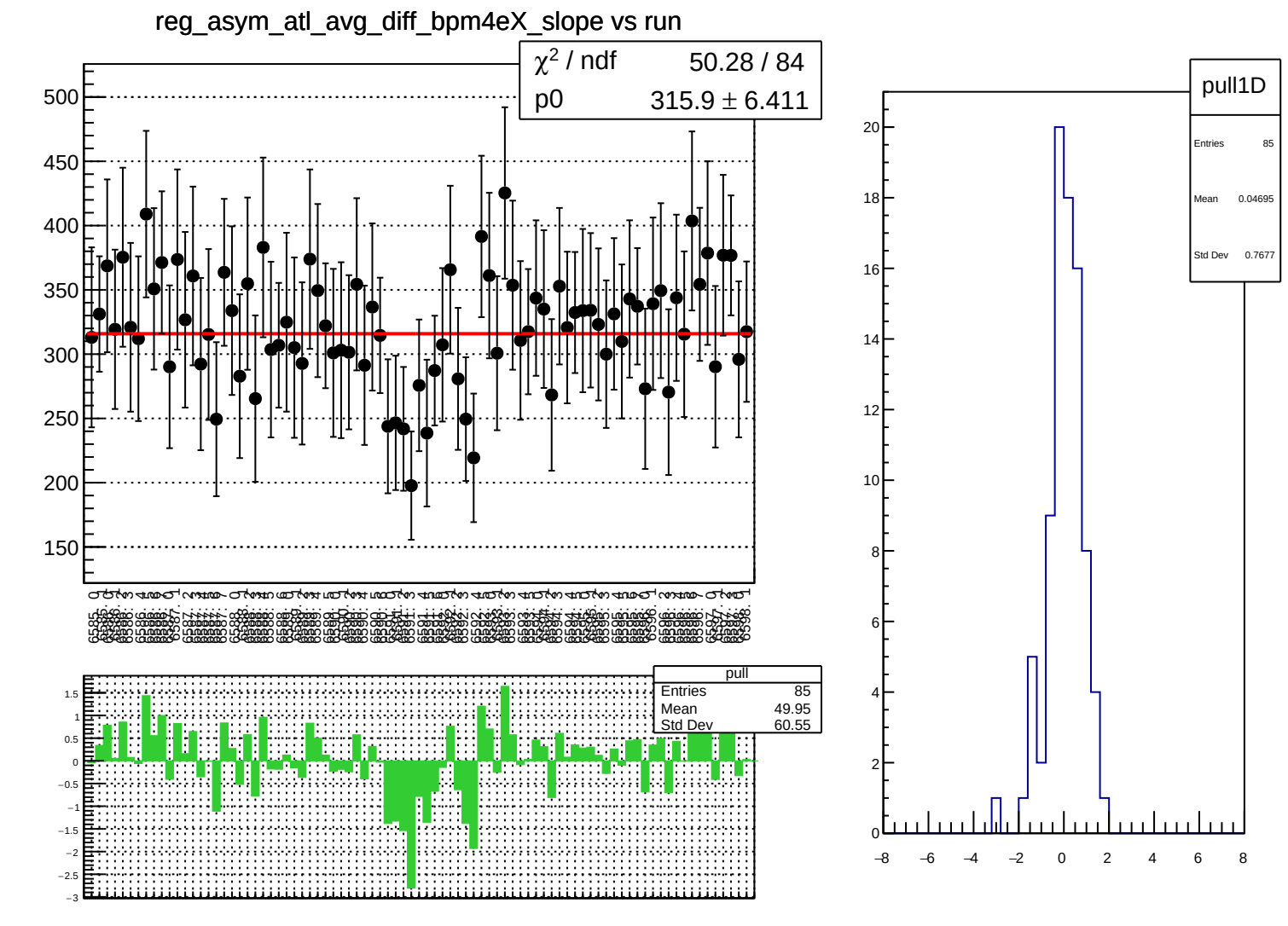

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 35.58 / 84
p0 −291.8 ± 0.3921
−280
−285
−290
−295
−300
pull
Entries 85
Mean 1317
Std Dev 1280
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean −0.002122
Std Dev 0.647
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

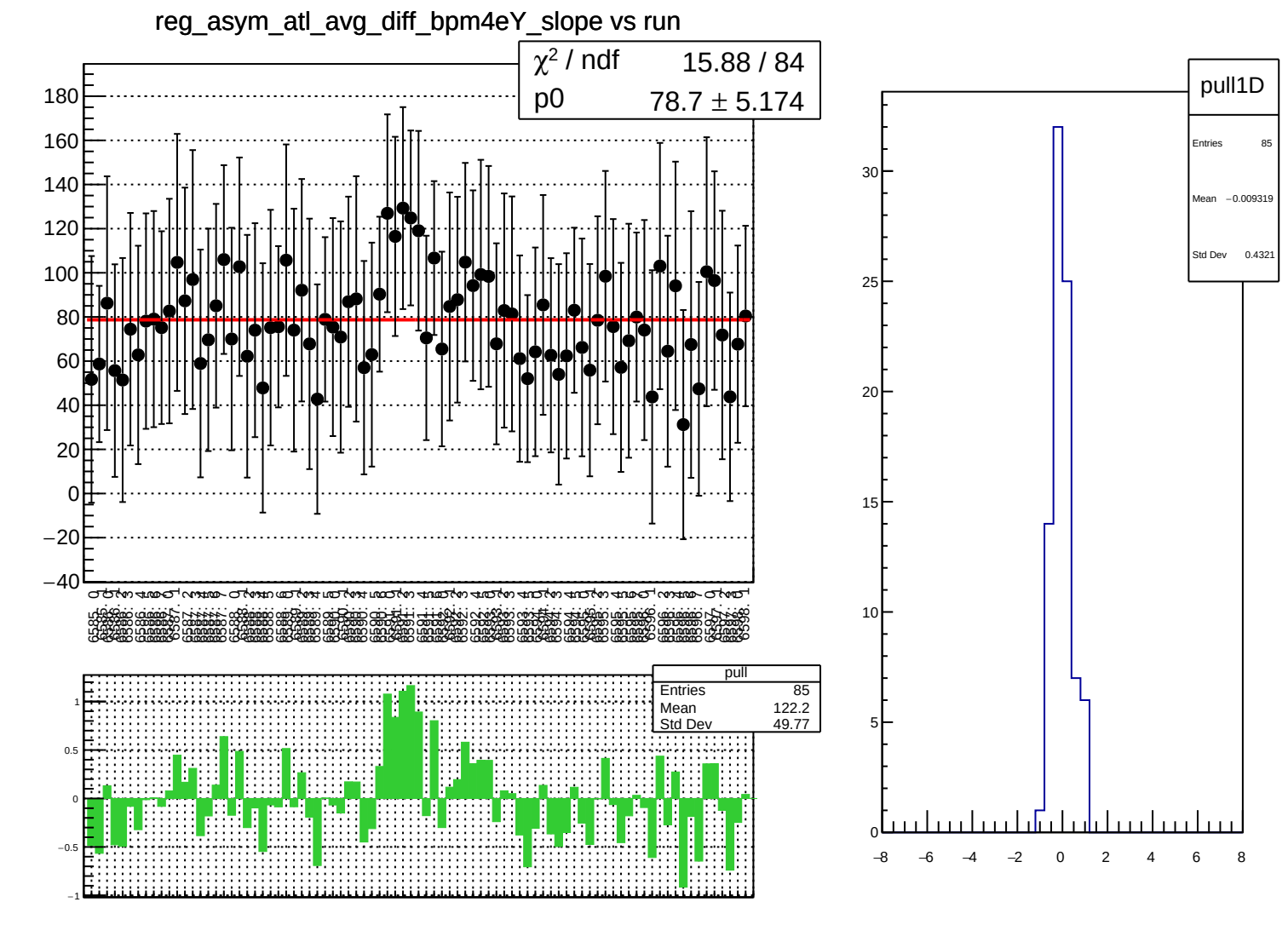

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 49.98 / 84
p0 −293 ± 6.03
pull
Entries 85
Mean 48.82
Std Dev 61.15

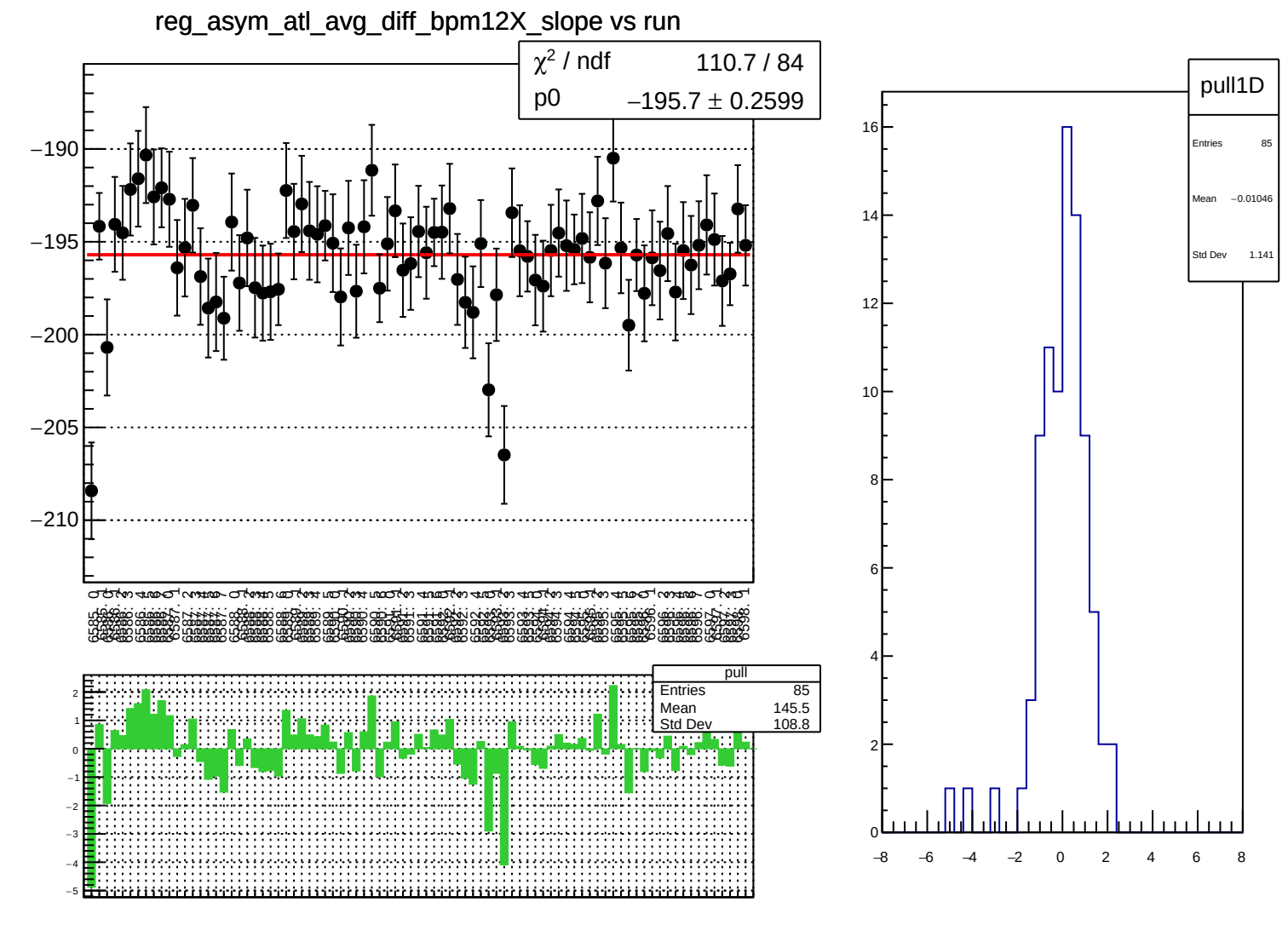

pull1D
Entries 85
Mean −0.04407
Std Dev 0.7655

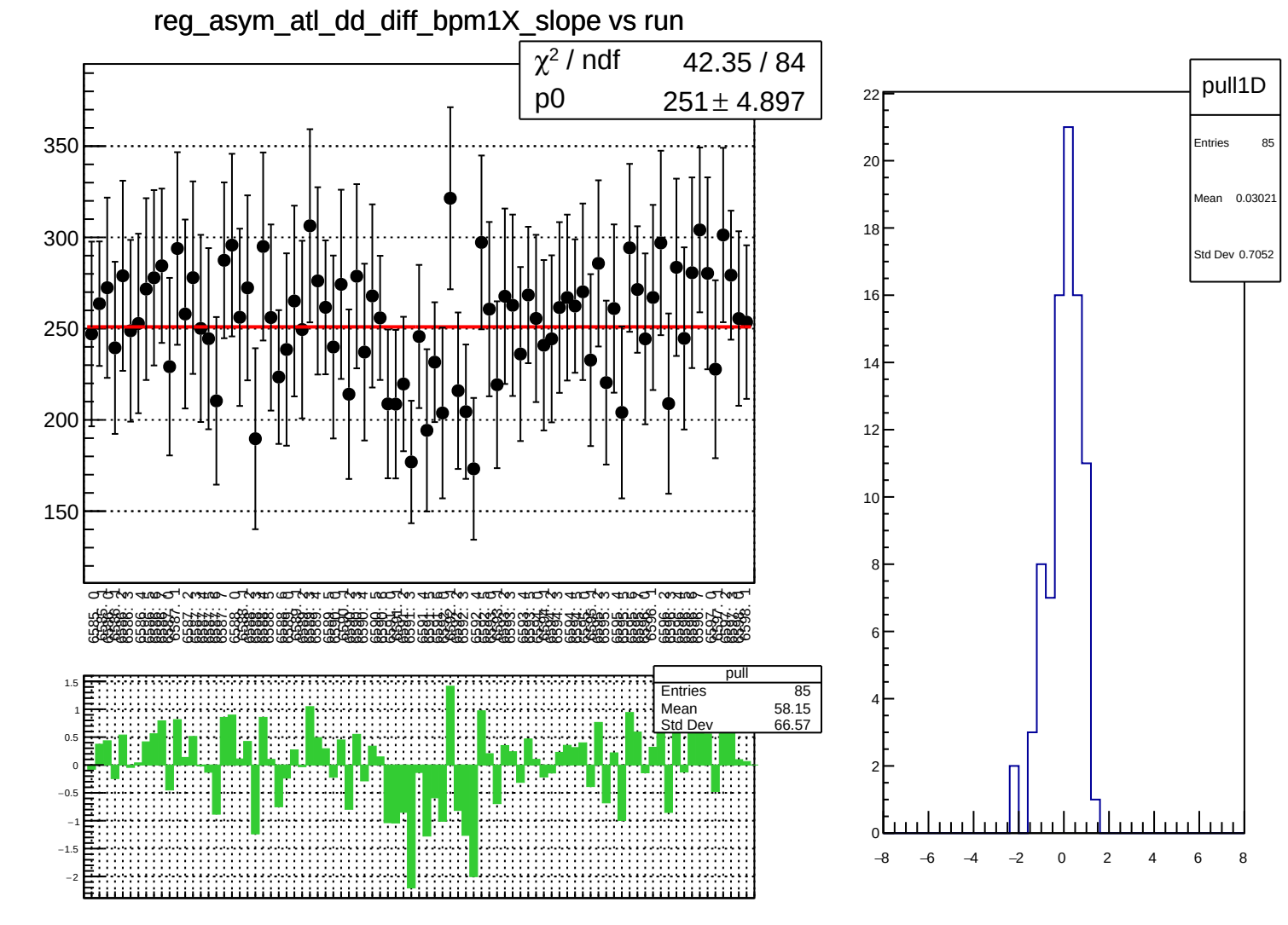

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.2 / 84
p0 8.317 ± 4.296
pull
Entries 85
Mean 168.5
Std Dev 68.64

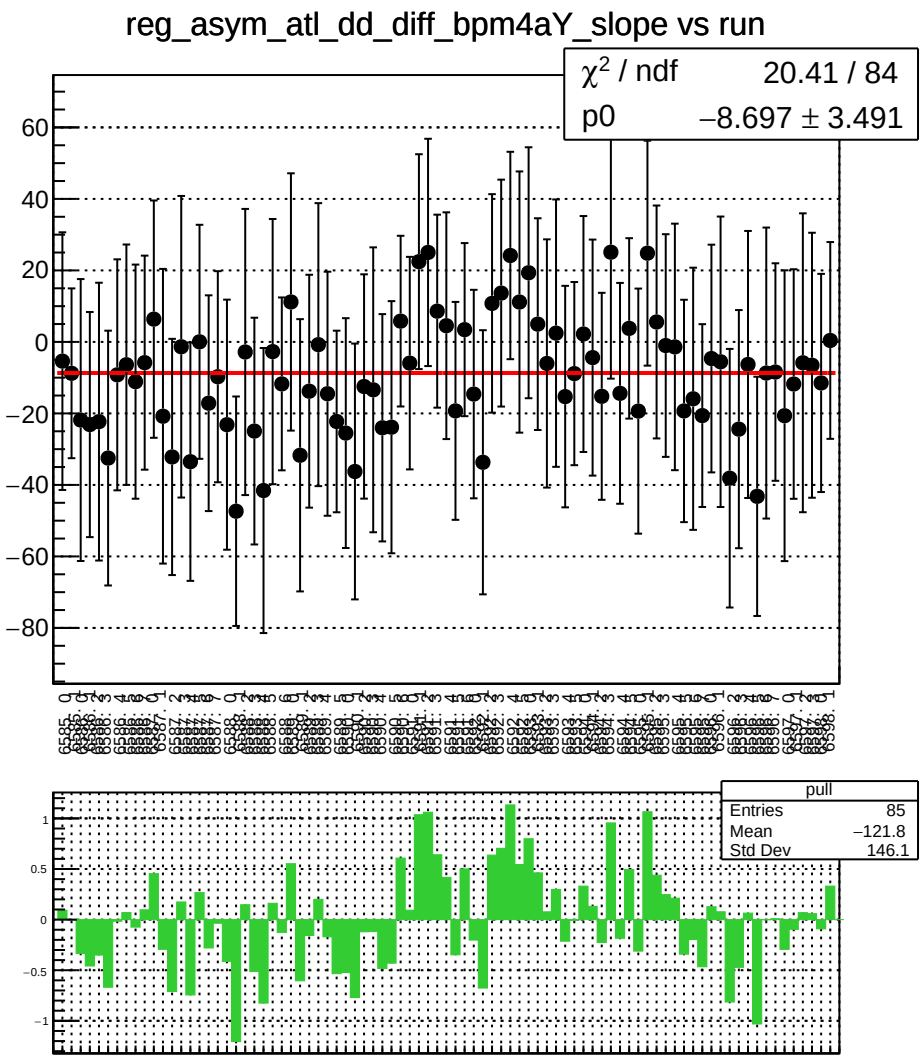

pull1D
Entries 85
Mean 0.006612
Std Dev 0.4087

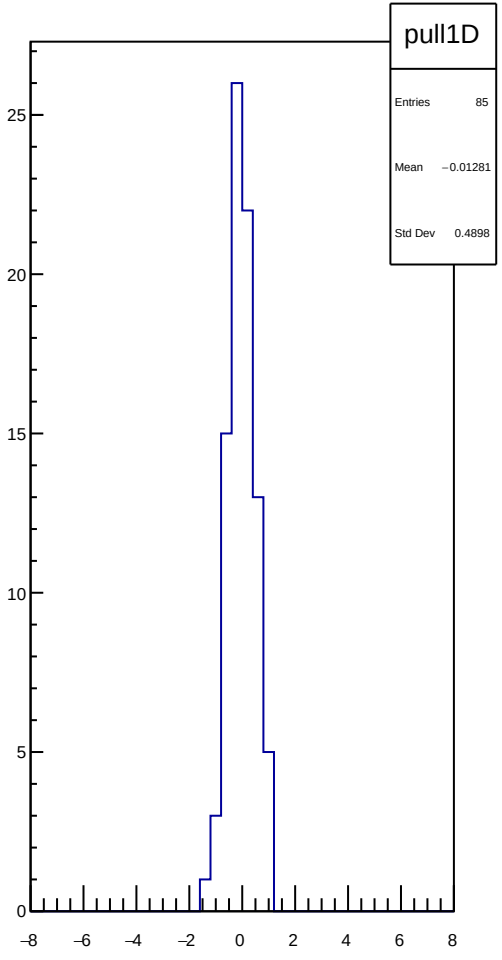

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 50.28 / 84
p0 315.9 ± 6.411
pull
Entries 85
Mean 49.95
Std Dev 60.55
pull1D
Entries 85
Mean 0.04695
Std Dev 0.7677

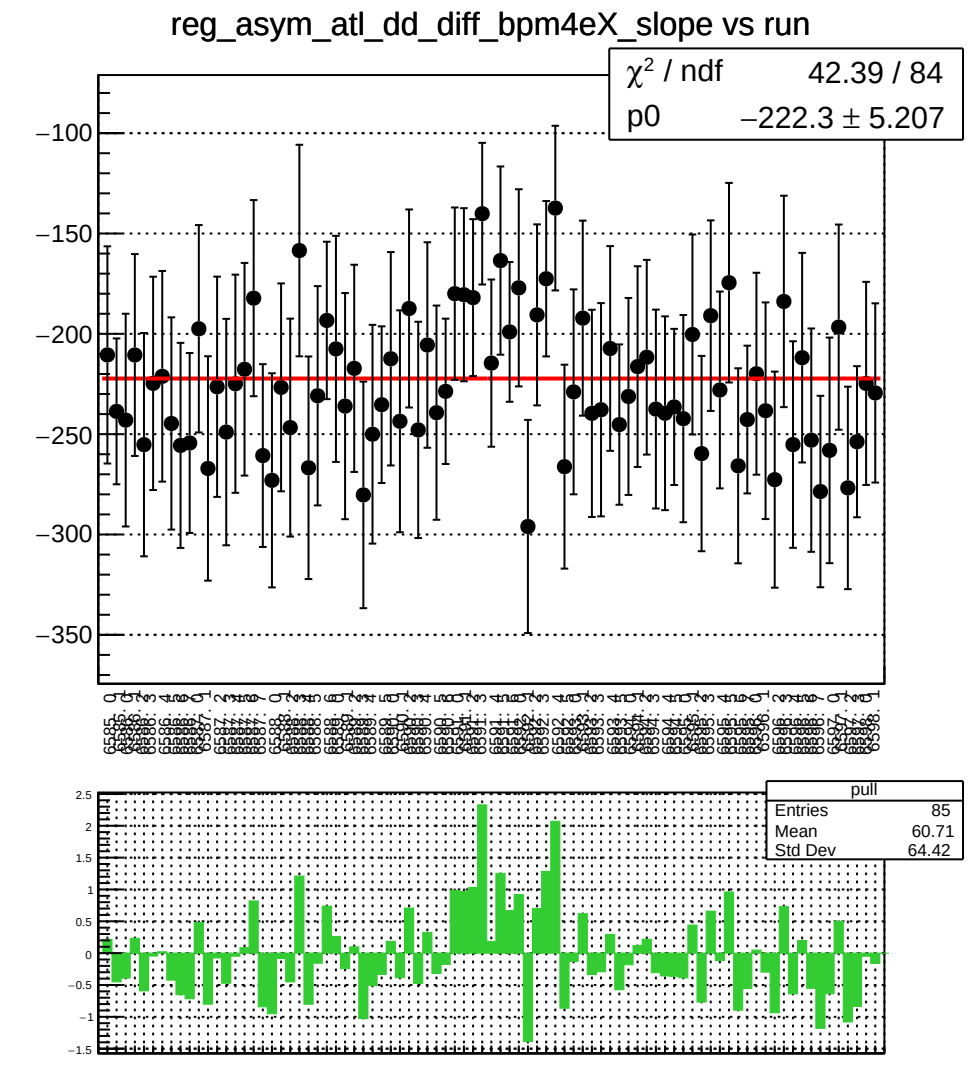

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.88 / 84
p0 78.7 ± 5.174
pull
Entries 85
Mean 122.2
Std Dev 49.77
pull1D
Entries 85
Mean −0.009319
Std Dev 0.4321

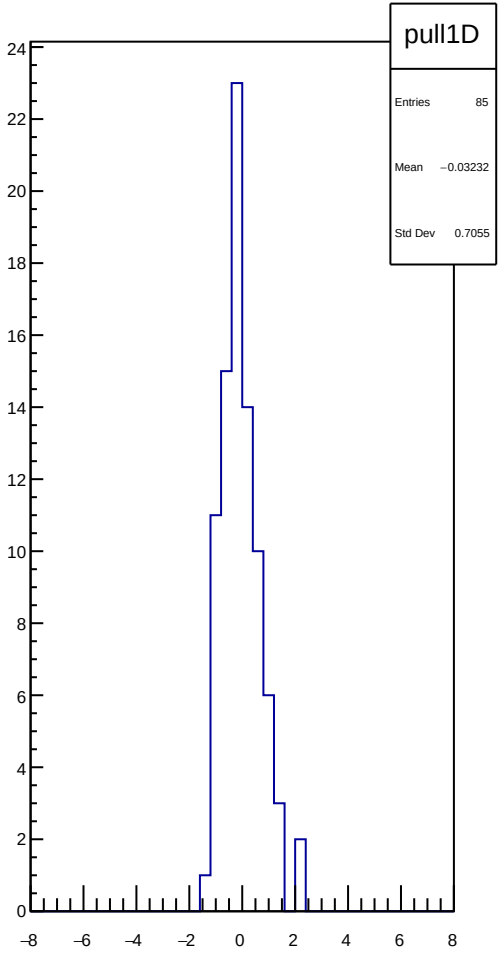

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 110.7 / 84
p0 −195.7 ± 0.2599
−190
−195
−200
−205
−210
pull
Entries 85
Mean 145.5
Std Dev 108.8
pull1D
Entries 85
Mean −0.01046
Std Dev 1.141

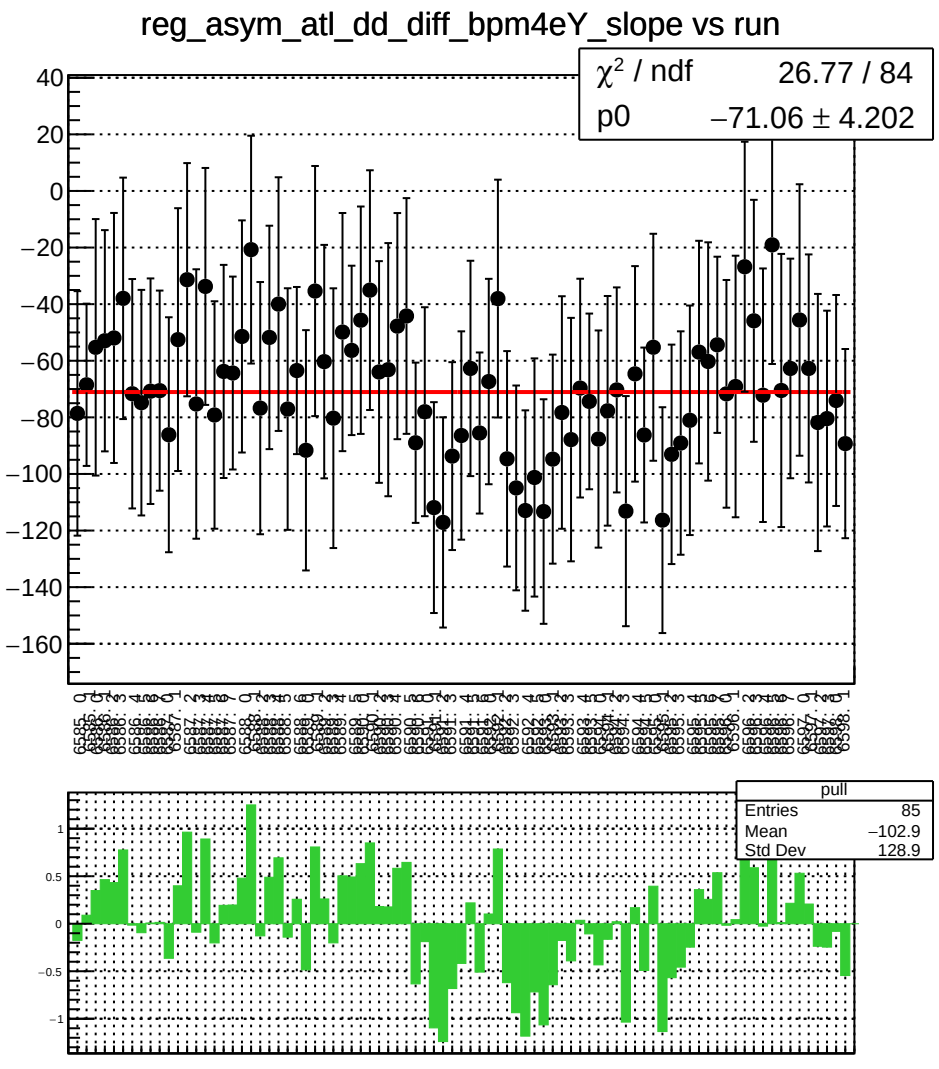

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 42.35 / 84
p0 251 ± 4.897
pull
Entries 85
Mean 58.15
Std Dev 66.57
pull1D
Entries 85
Mean 0.03021
Std Dev 0.7052

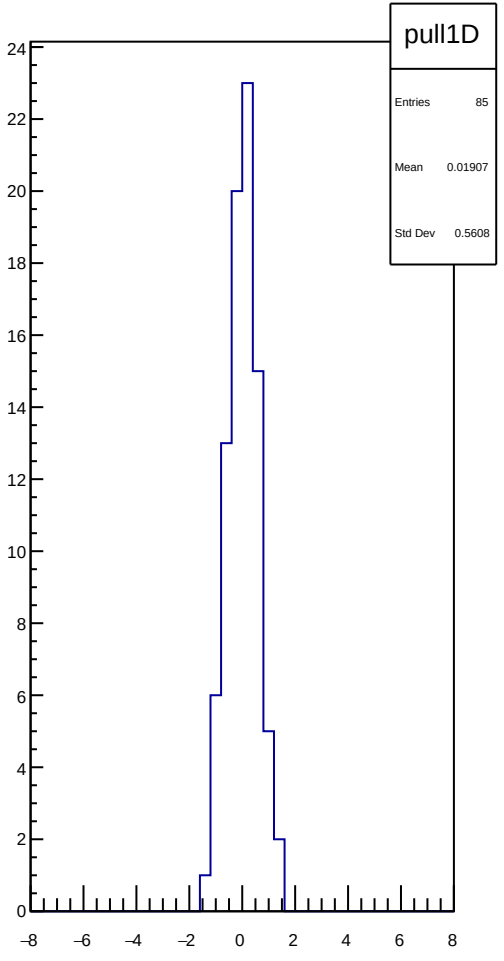

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.41 / 84
p0 −8.697 ± 3.491
pull
Entries 85
Mean −121.8
Std Dev 146.1

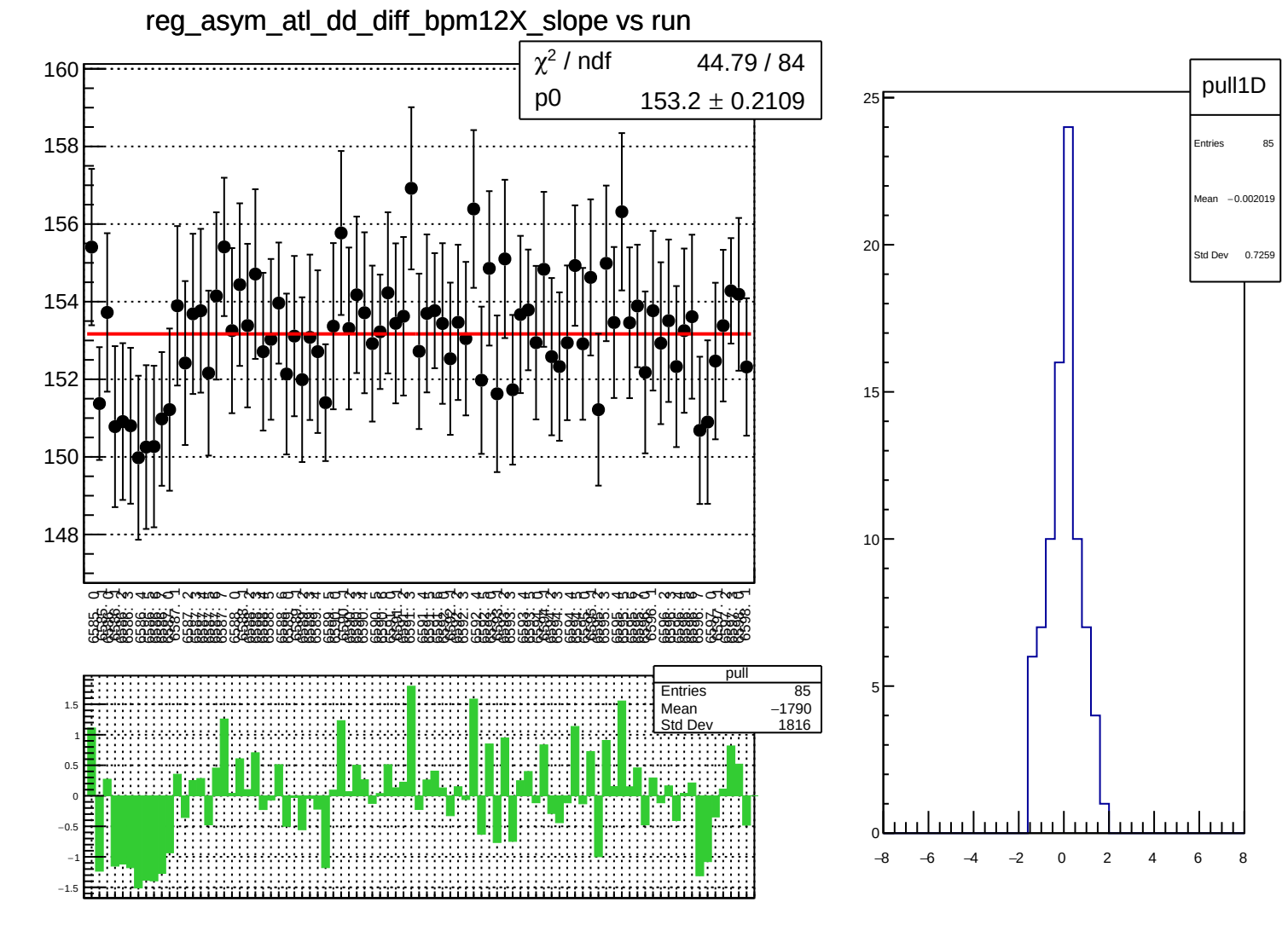

pull1D
Entries 85
Mean −0.01281
Std Dev 0.4898

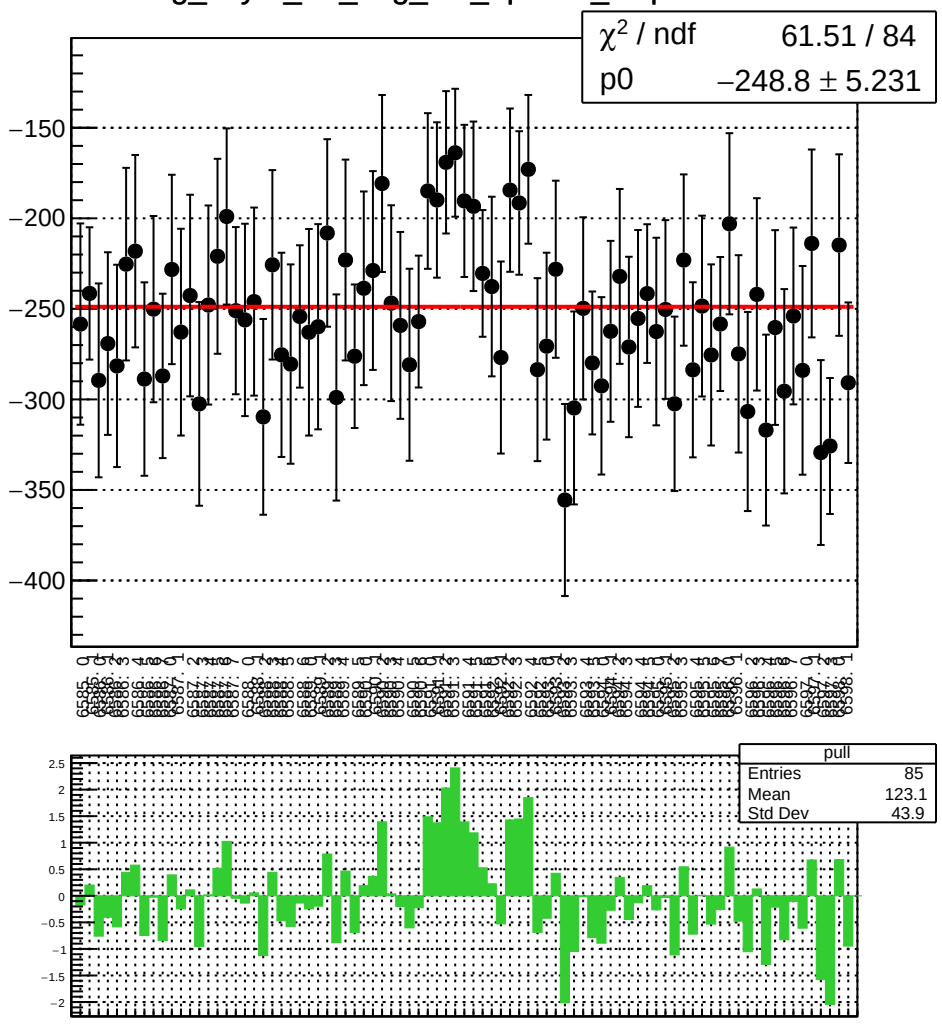

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 42.39 / 84
p0 −222.3 ± 5.207
−100
−150
−200
−250
−300
−350
pull
Entries 85
Mean 60.71
Std Dev 64.42
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

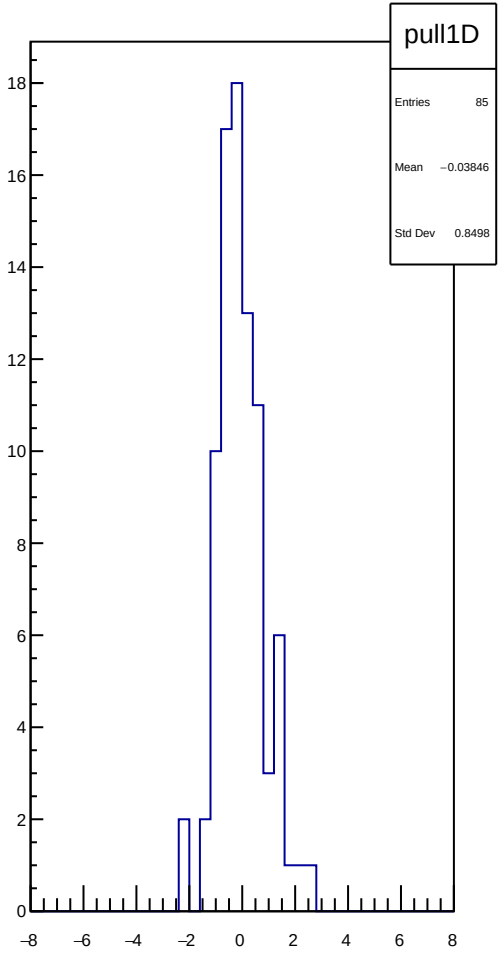

pull1D
Entries 85
Mean −0.03232
Std Dev 0.7055
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

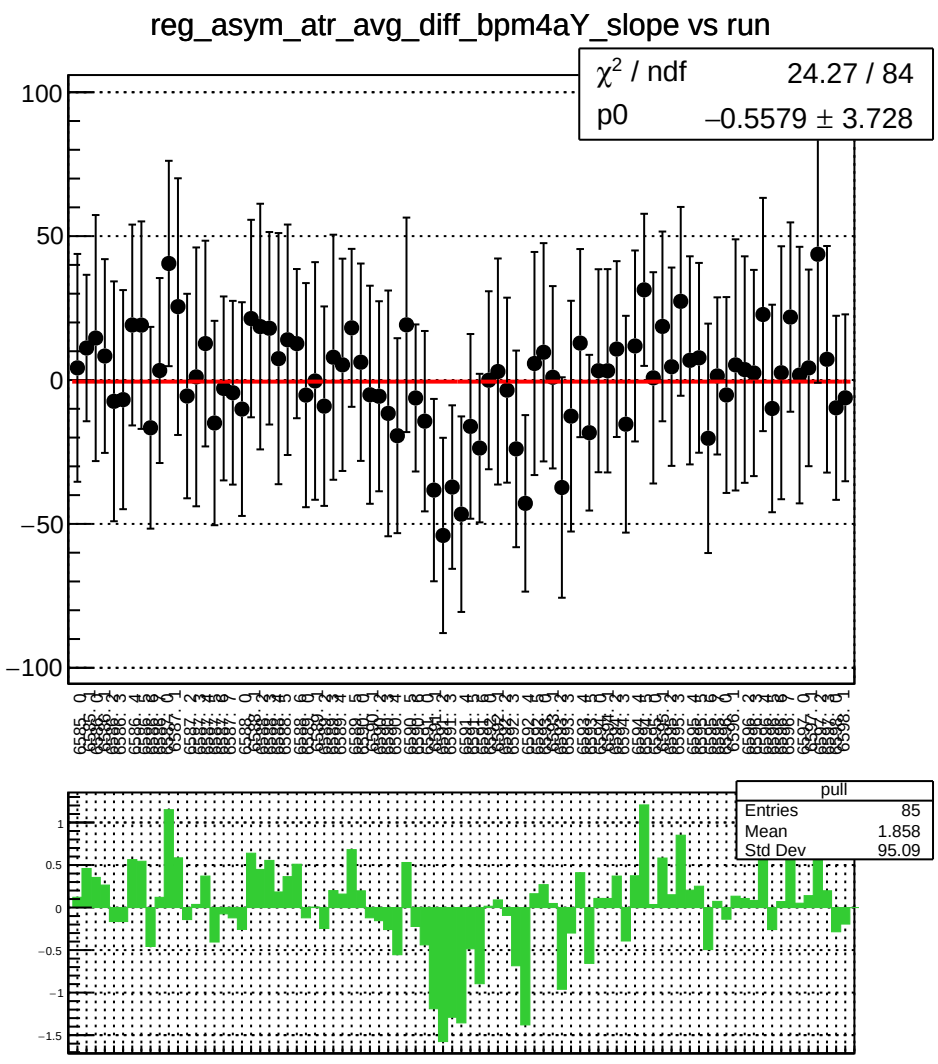

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.77 / 84
p0 −71.06 ± 4.202
pull
Entries 85
Mean −102.9
Std Dev 128.9

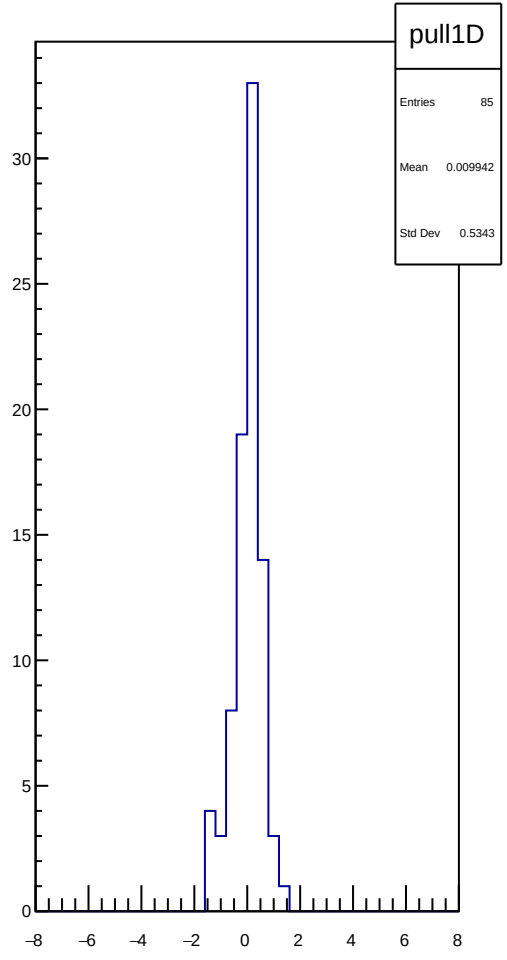

pull1D
Entries 85
Mean 0.01907
Std Dev 0.5608

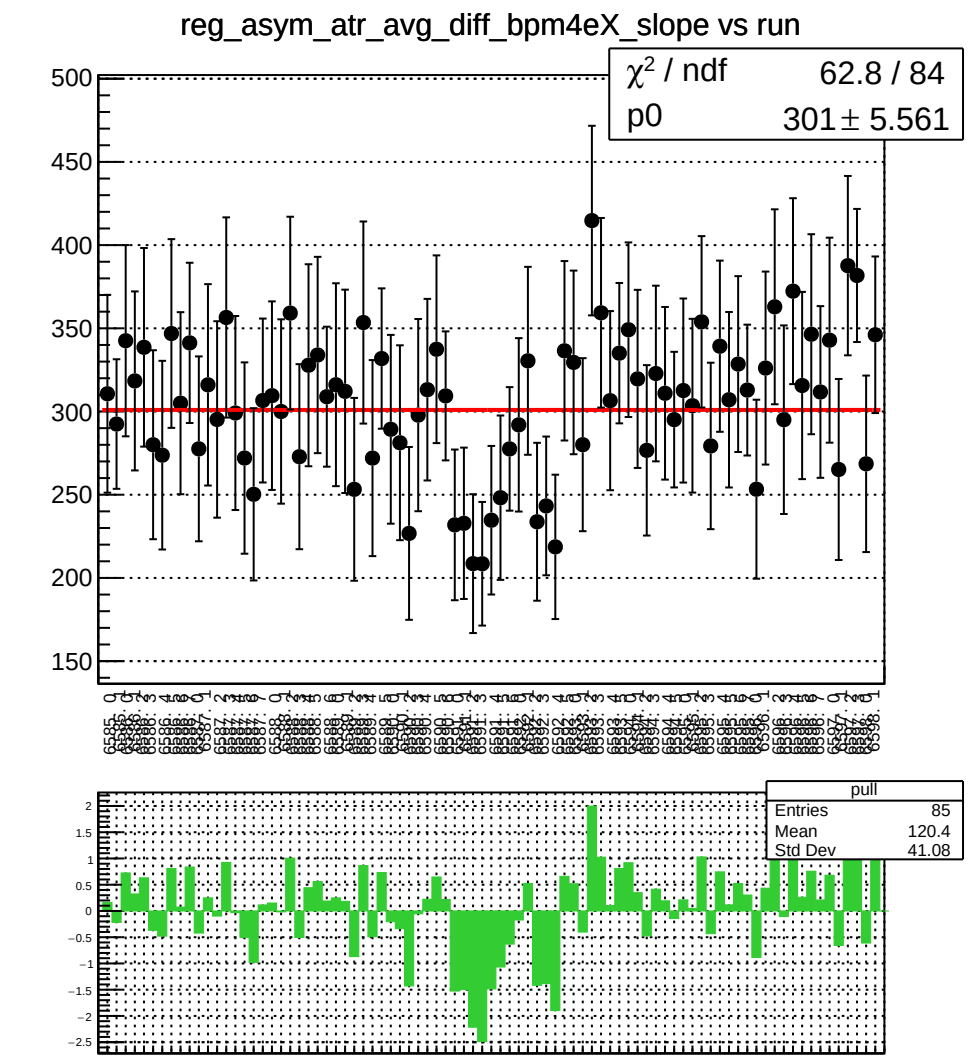

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 44.79 / 84
p0 153.2 ± 0.2109
160
158
156
154
152
150
148
pull
Entries 85
Mean −1790
Std Dev 1816
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 85
Mean −0.002019
Std Dev 0.7259
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

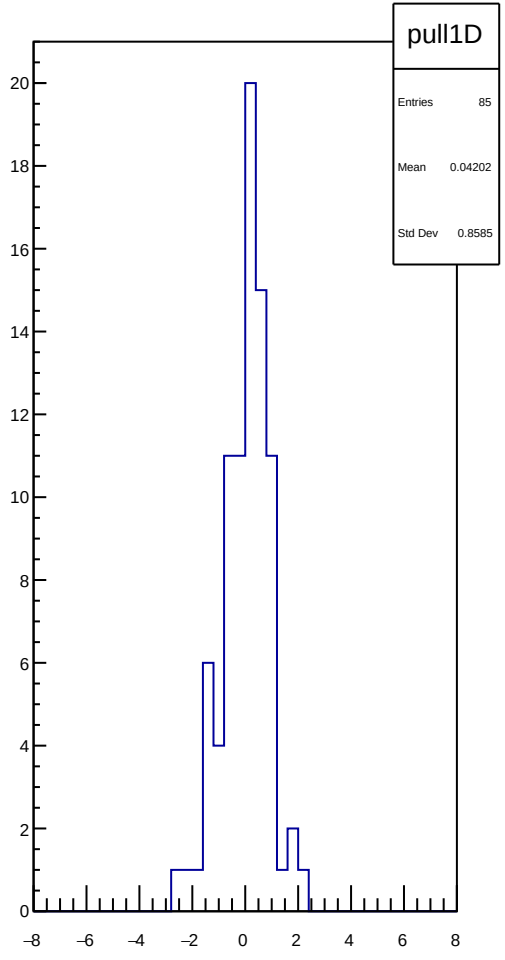

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 61.51 / 84
p0 −248.8 ± 5.231
−150
−200
−250
−300
−350
−400
pull
Entries 85
Mean 123.1
Std Dev 43.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

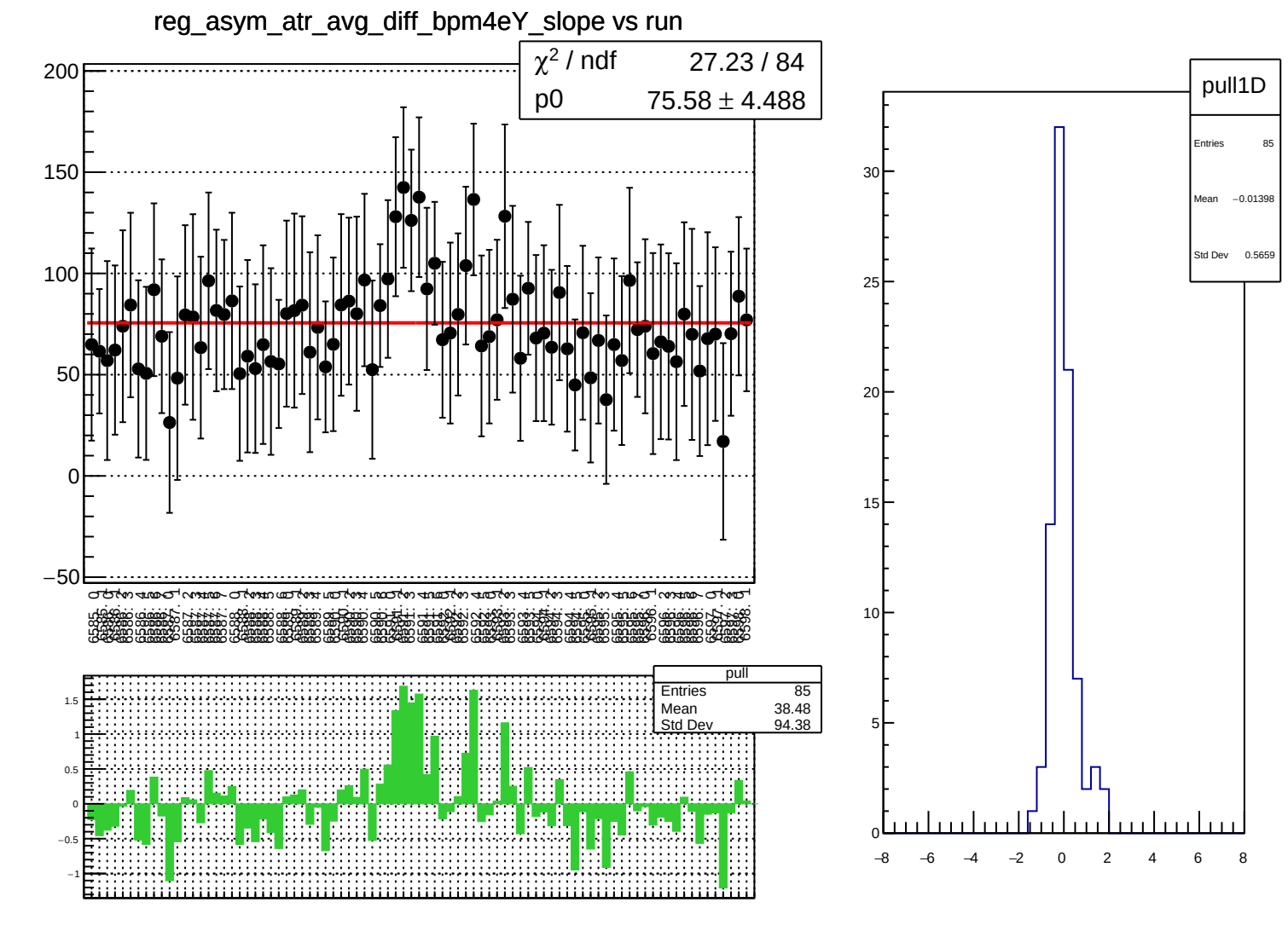

pull1D
Entries 85
Mean −0.03846
Std Dev 0.8498
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

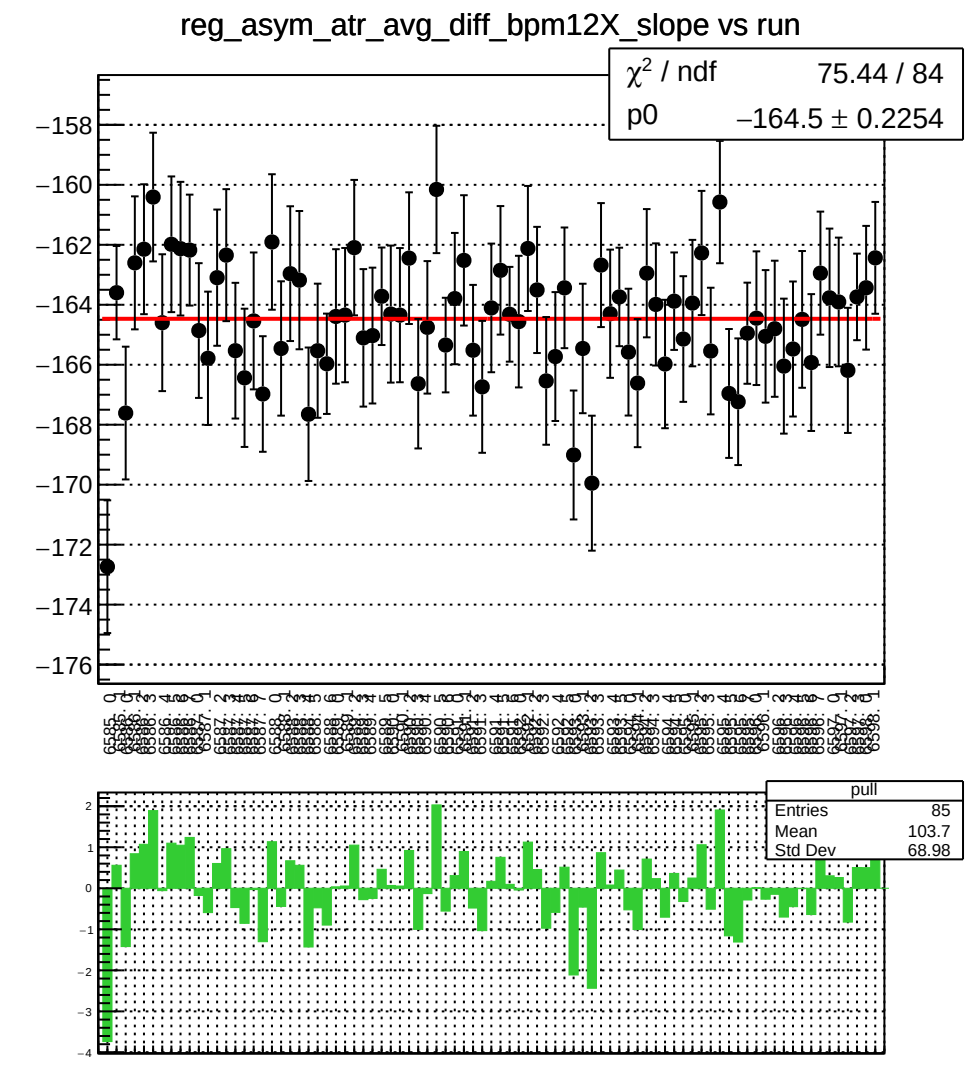

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.27 / 84
p0 −0.5579 ± 3.728
100
50
0
−50
−100
pull
Entries 85
Mean 1.858
Std Dev 95.09
1
0.5
0
−0.5
−1
−1.5

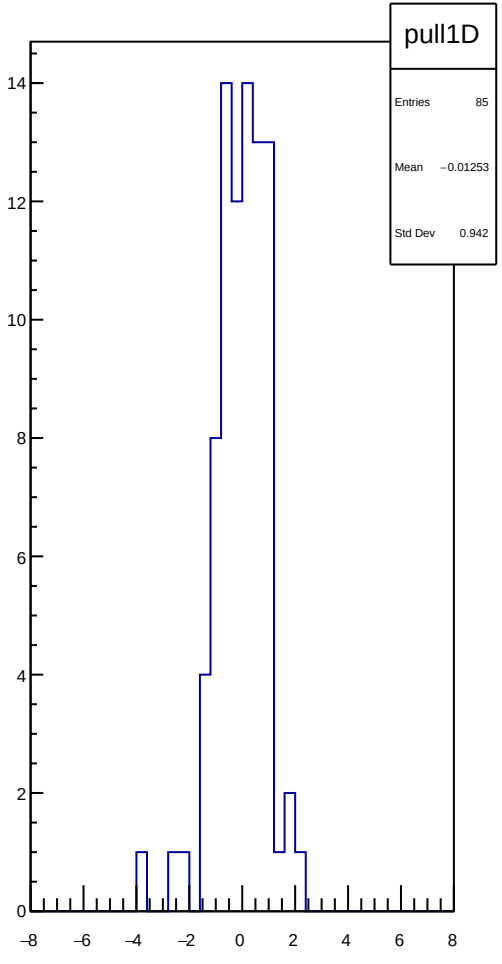

pull1D
Entries 85
Mean 0.009942
Std Dev 0.5343
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

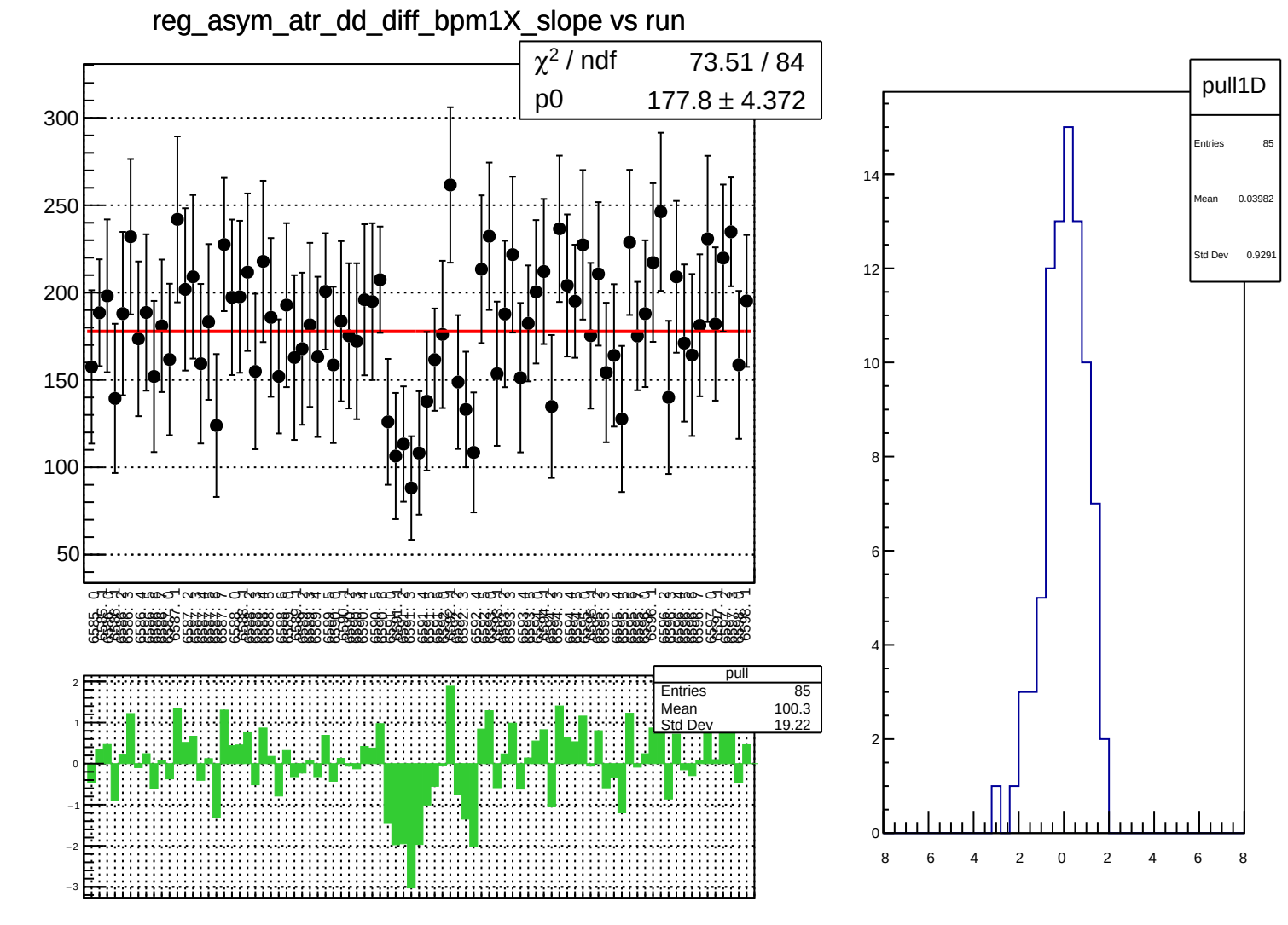

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 62.8 / 84
p0 301 ± 5.561
pull
Entries 85
Mean 120.4
Std Dev 41.08

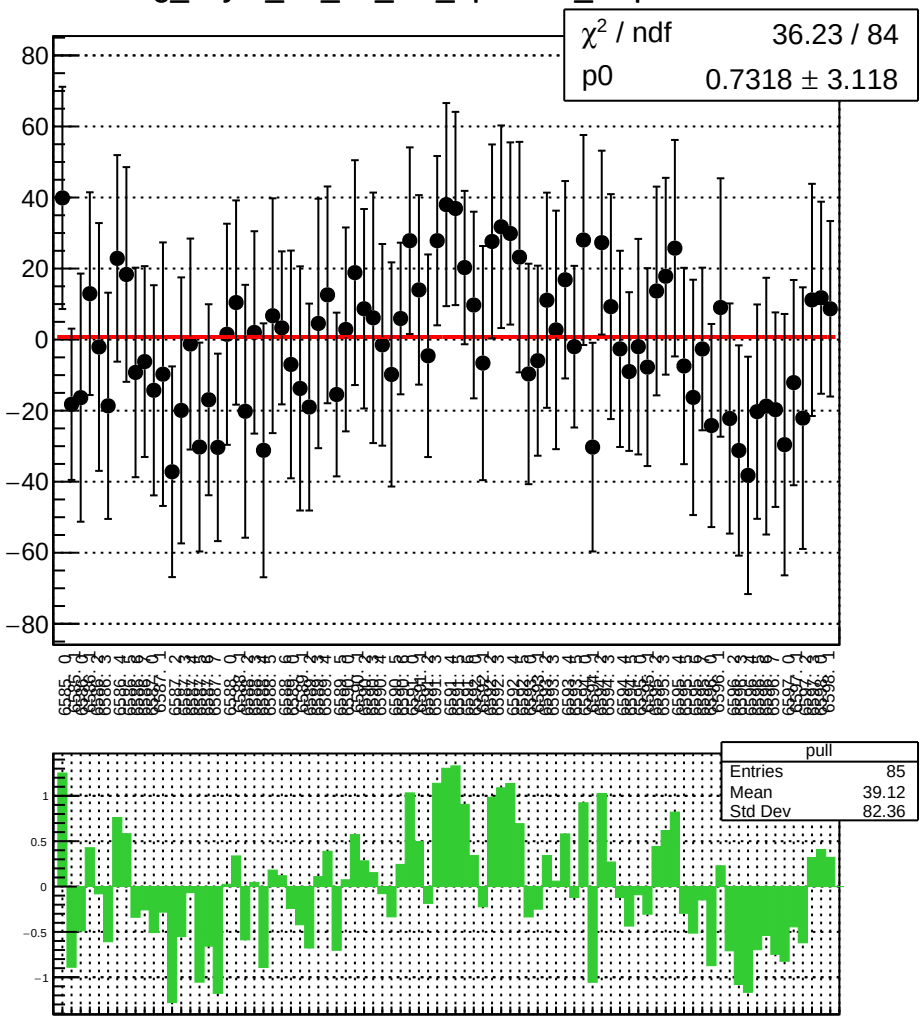

pull1D
Entries 85
Mean 0.04202
Std Dev 0.8585

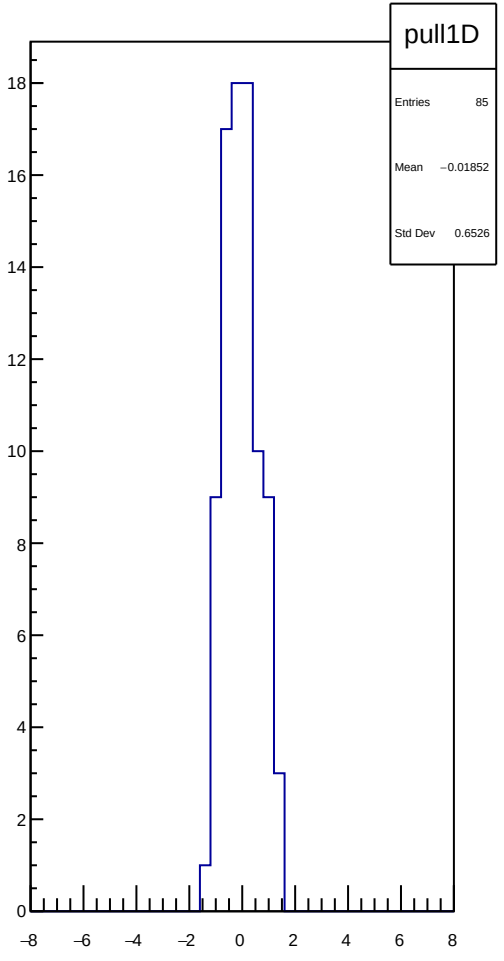

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.23 / 84
p0 75.58 ± 4.488
pull
Entries 85
Mean 38.48
Std Dev 94.38
pull1D
Entries 85
Mean −0.01398
Std Dev 0.5659

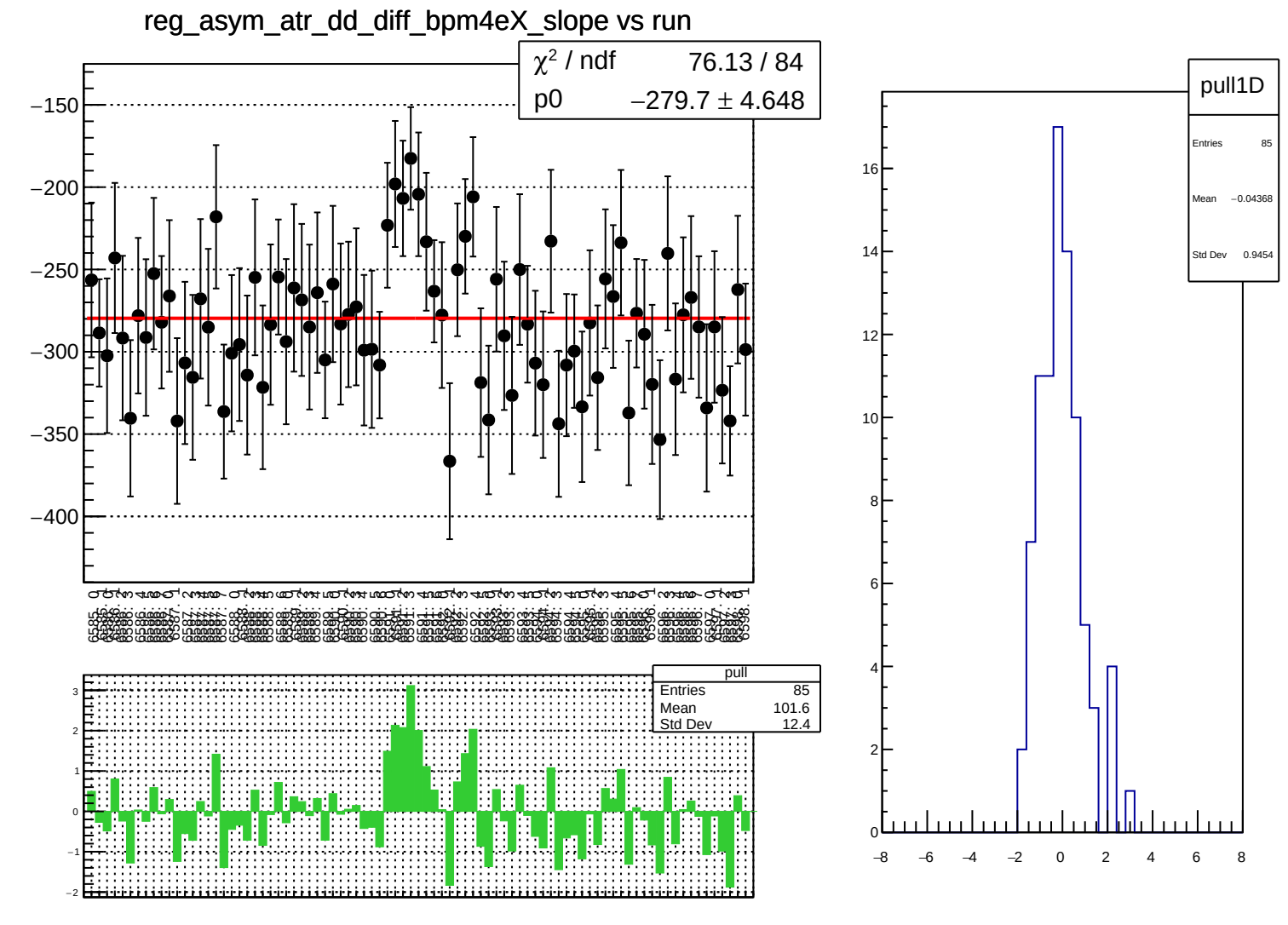

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 75.44 / 84
p0 −164.5 ± 0.2254
pull
Entries 85
Mean 103.7
Std Dev 68.98

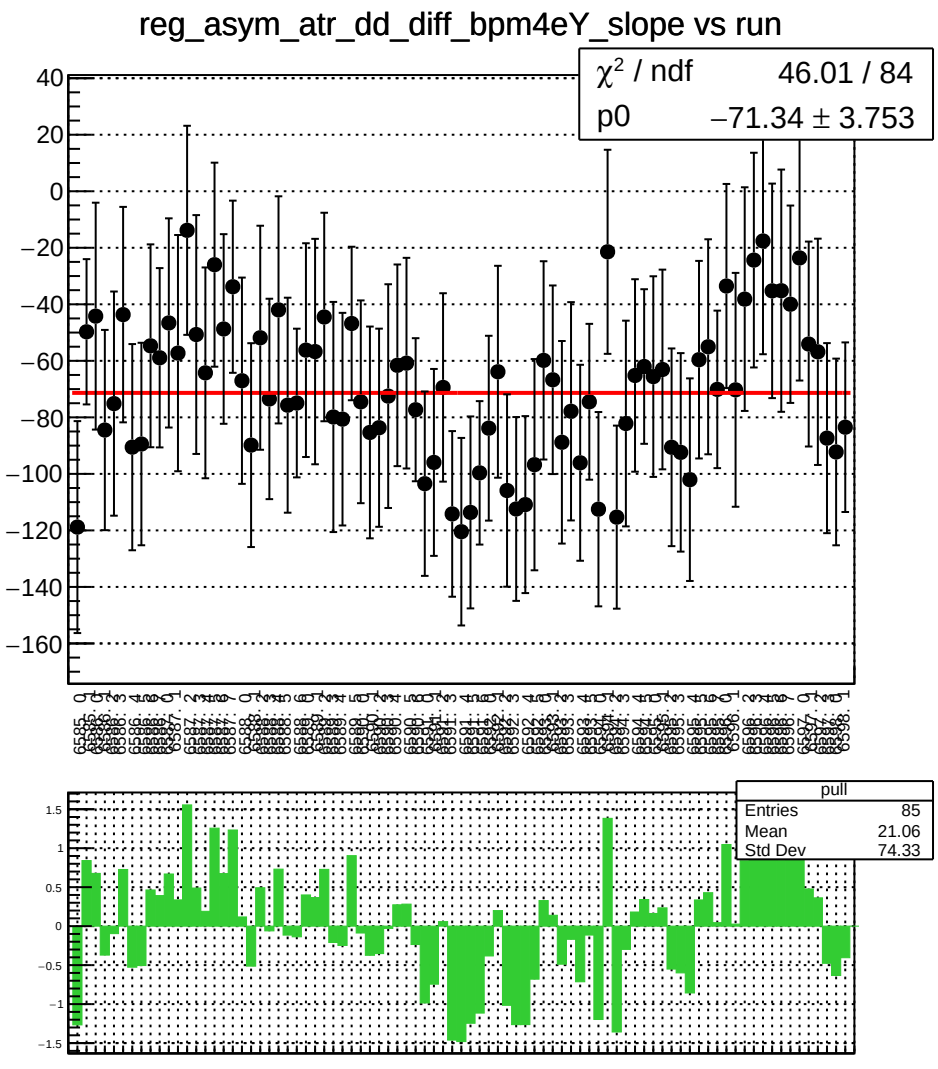

pull1D
Entries 85
Mean −0.01253
Std Dev 0.942

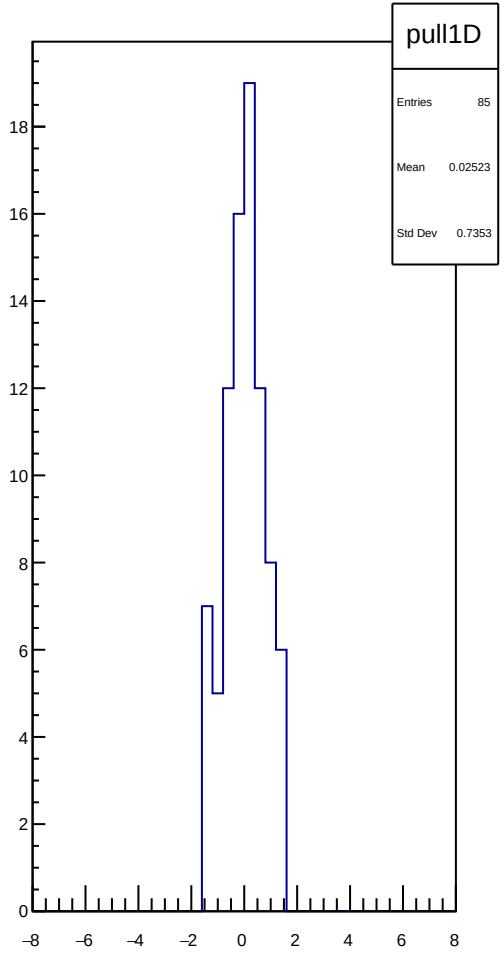

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 73.51 / 84
p0 177.8 ± 4.372
300
250
200
150
100
50
pull
Entries 85
Mean 100.3
Std Dev 19.22
2
1
0
−1
−2
−3
pull1D
Entries 85
Mean 0.03982
Std Dev 0.9291
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

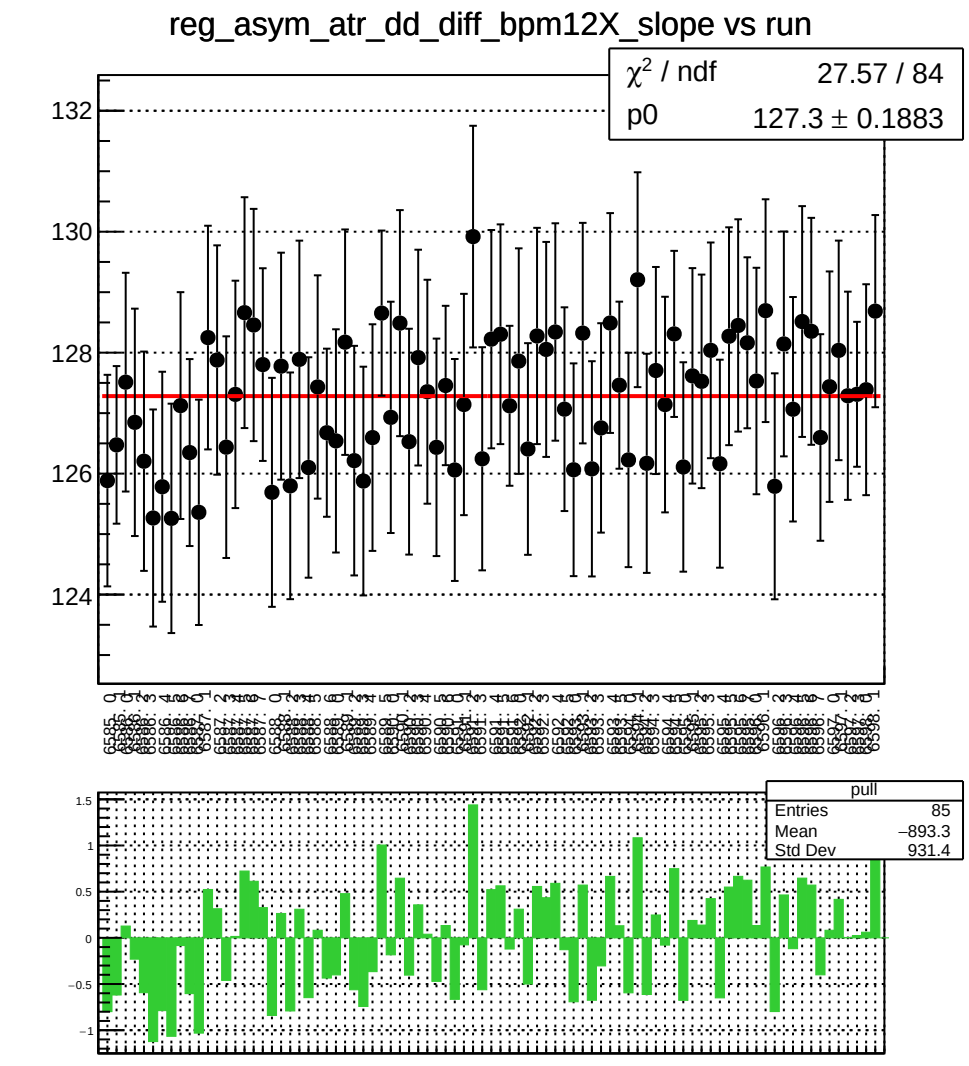

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.23 / 84
p0 0.7318 ± 3.118
pull
Entries 85
Mean 39.12
Std Dev 82.36

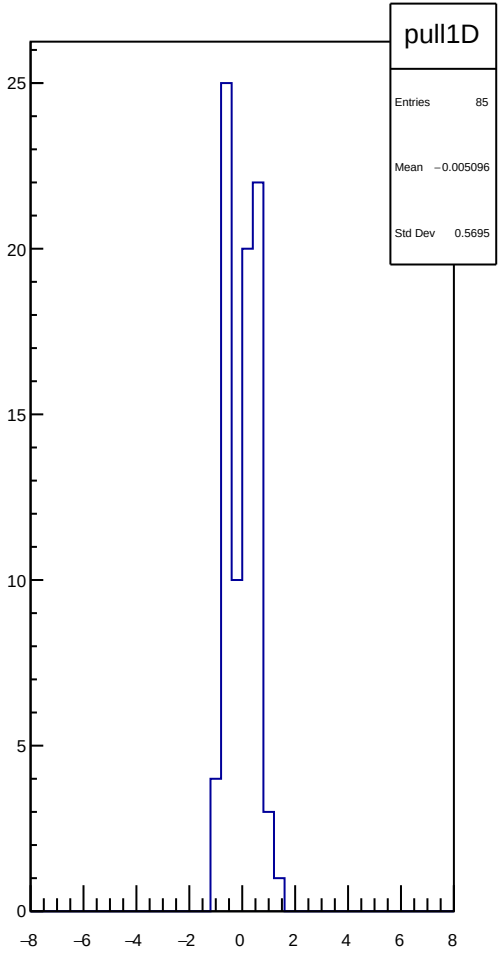

pull1D
Entries 85
Mean −0.01852
Std Dev 0.6526

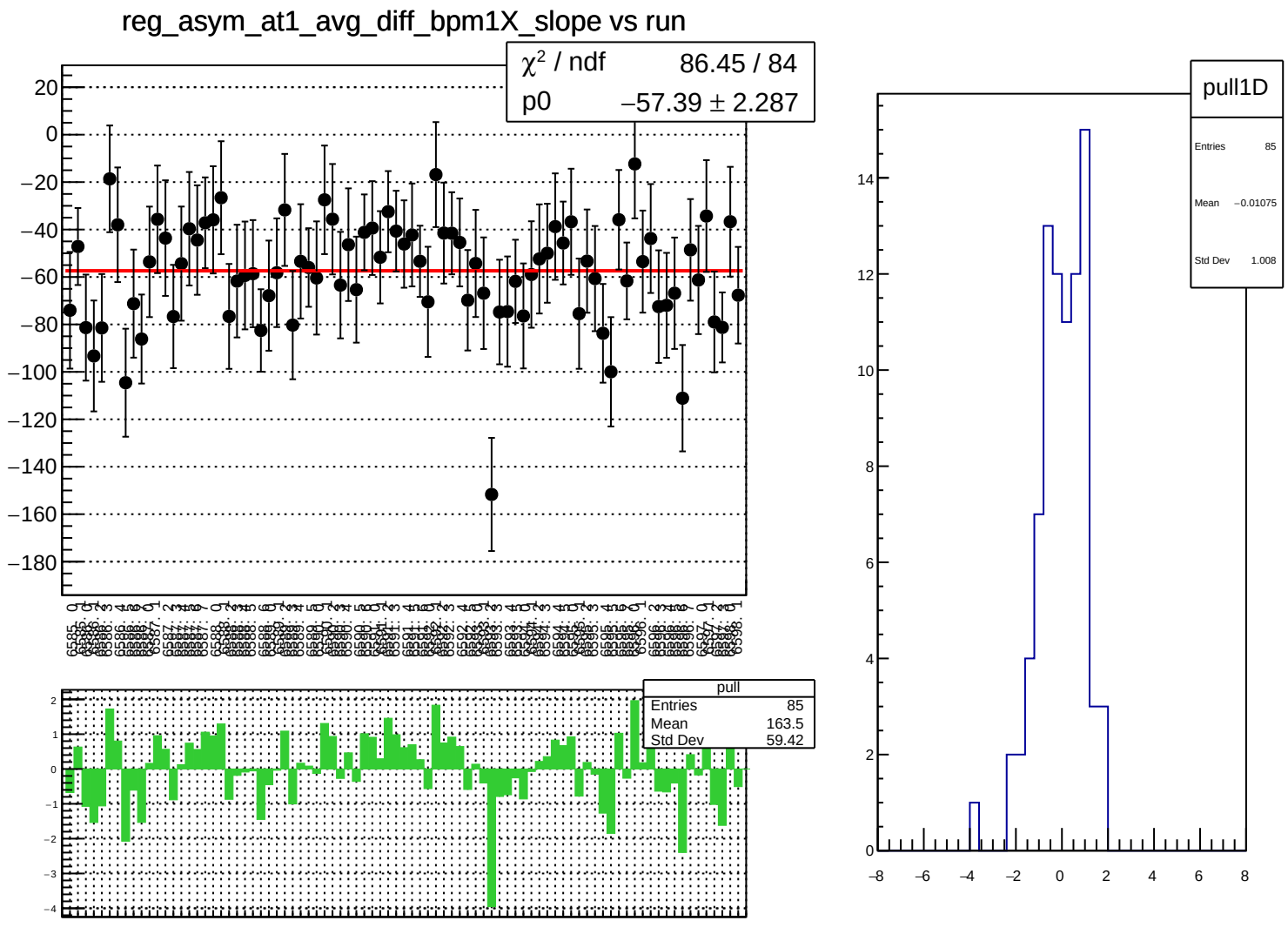

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 76.13 / 84
p0 −279.7 ± 4.648
−150
−200
−250
−300
−350
−400
pull
Entries 85
Mean 101.6
Std Dev 12.4
3
2
1
0
−1
−2
pull1D
Entries 85
Mean −0.04368
Std Dev 0.9454
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

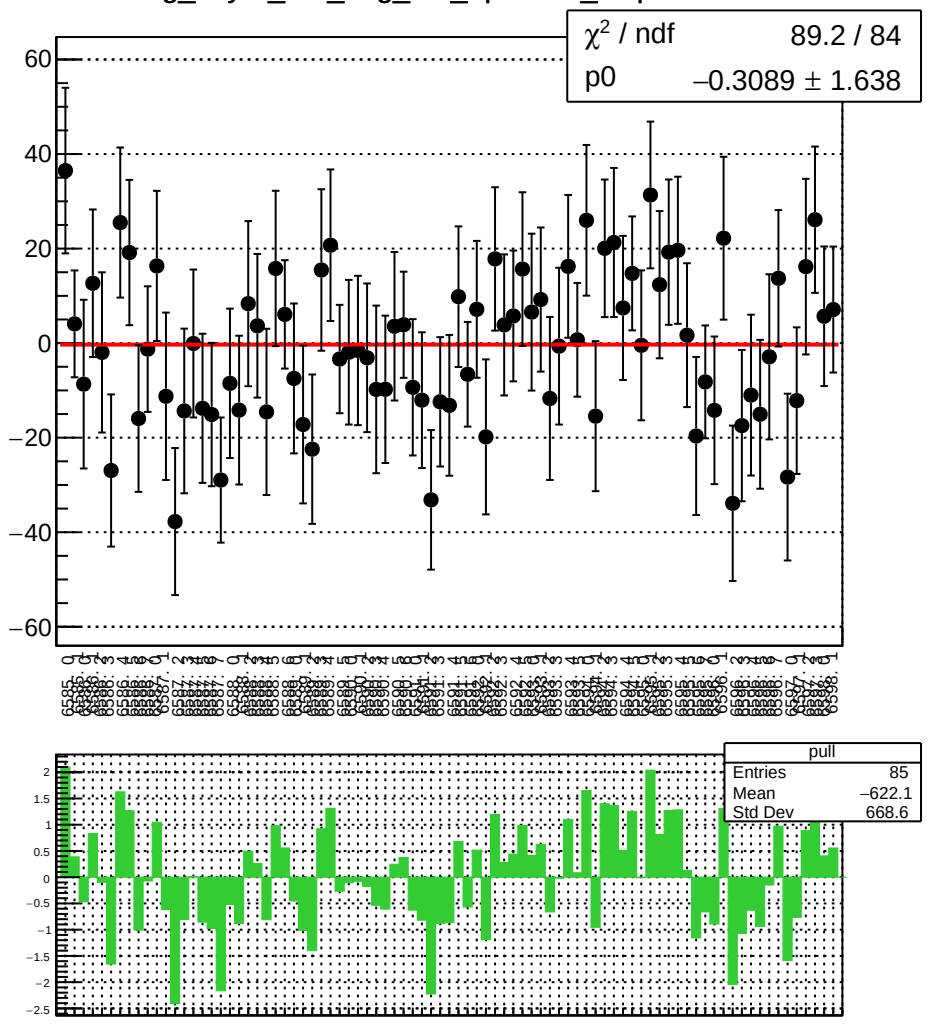

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.01 / 84
p0 −71.34 ± 3.753
pull
Entries 85
Mean 21.06
Std Dev 74.33

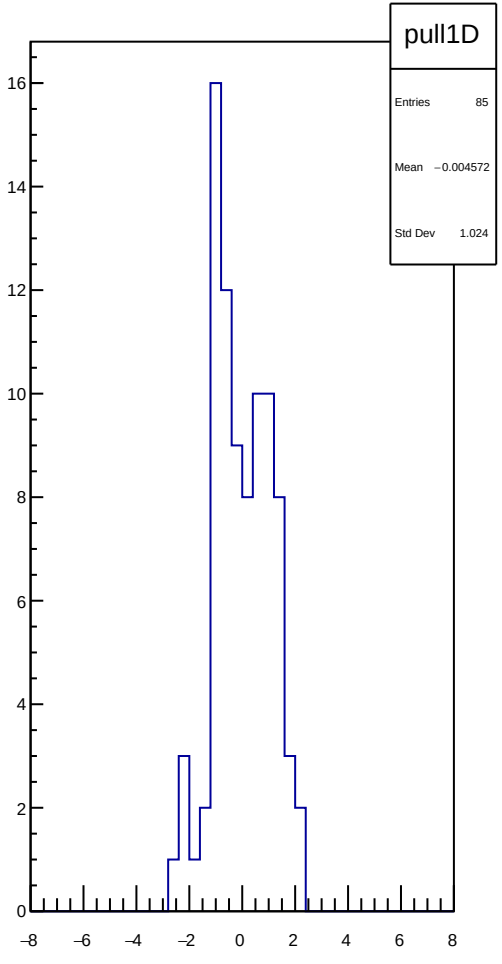

pull1D
Entries 85
Mean 0.02523
Std Dev 0.7353

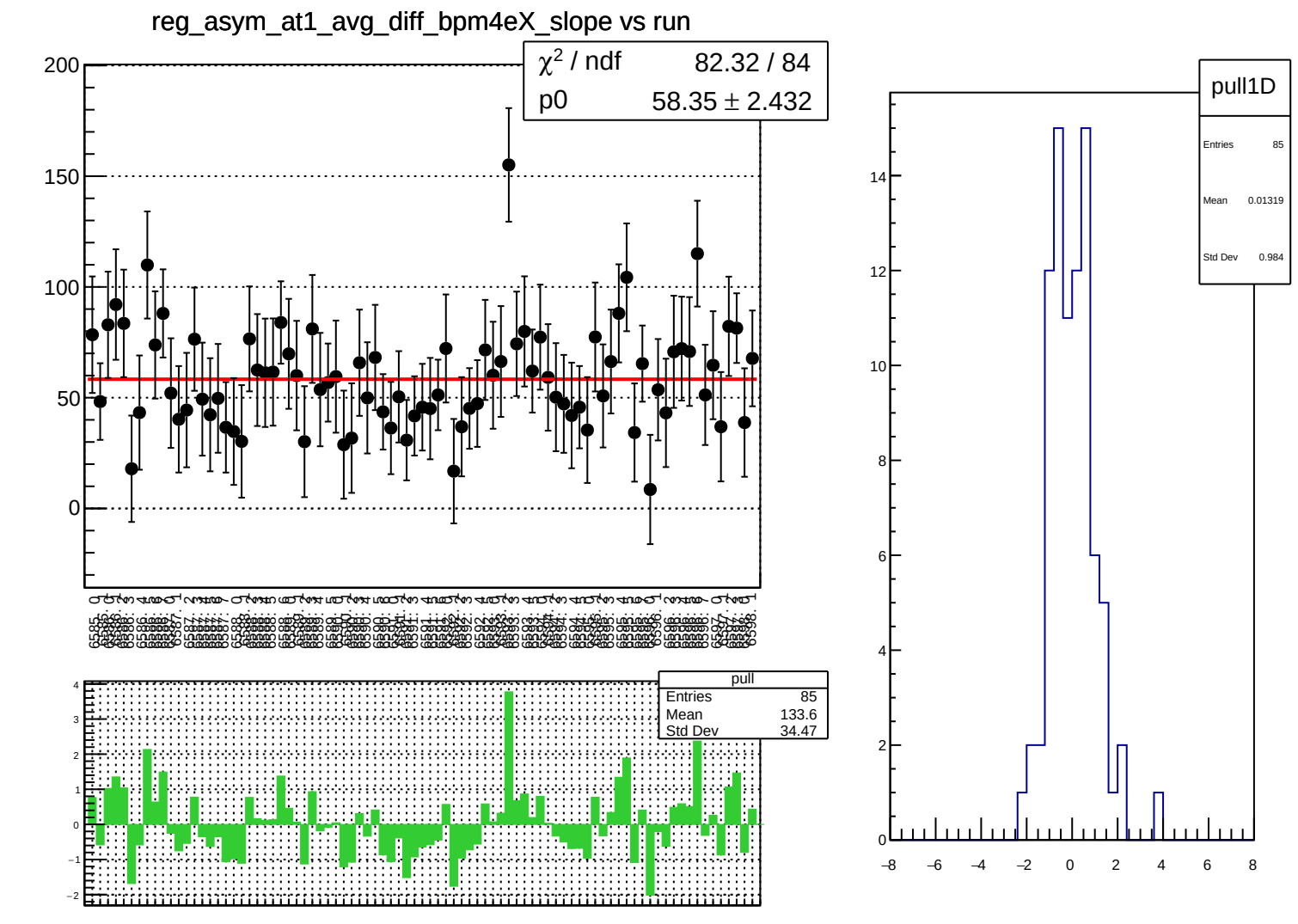

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 27.57 / 84
p0 127.3 ± 0.1883
132
130
128
126
124
pull
Entries 85
Mean −893.3
Std Dev 931.4
1.5
1
0.5
0
−0.5
−1

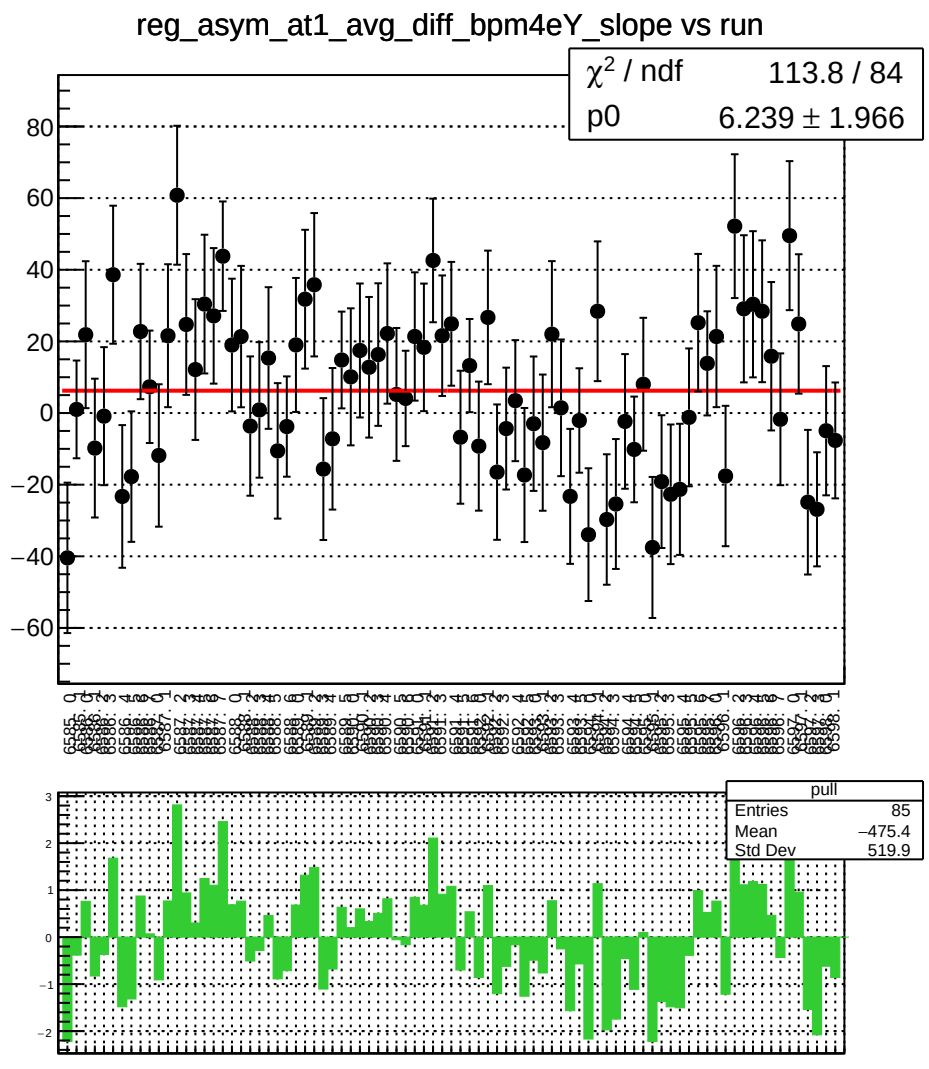

pull1D
Entries 85
Mean −0.005096
Std Dev 0.5695
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

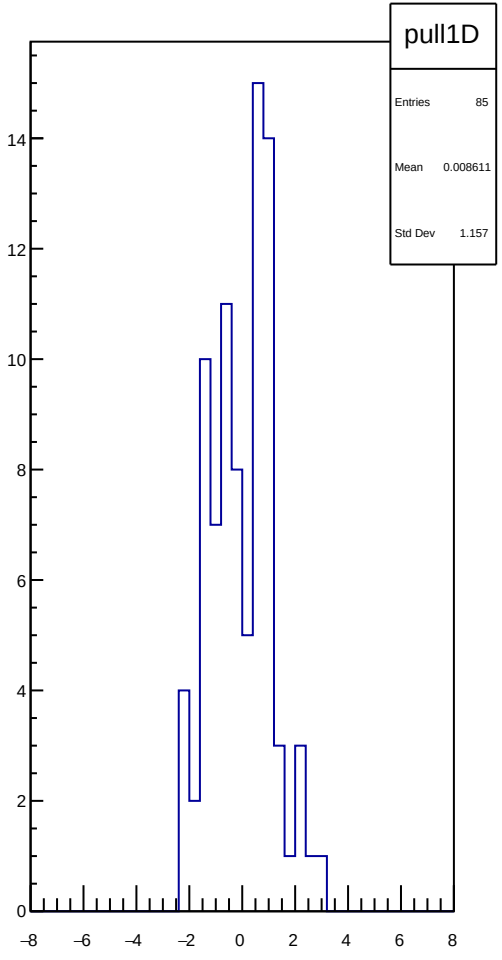

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 86.45 / 84
p0 −57.39 ± 2.287
pull
Entries 85
Mean 163.5
Std Dev 59.42
pull1D
Entries 85
Mean −0.01075
Std Dev 1.008

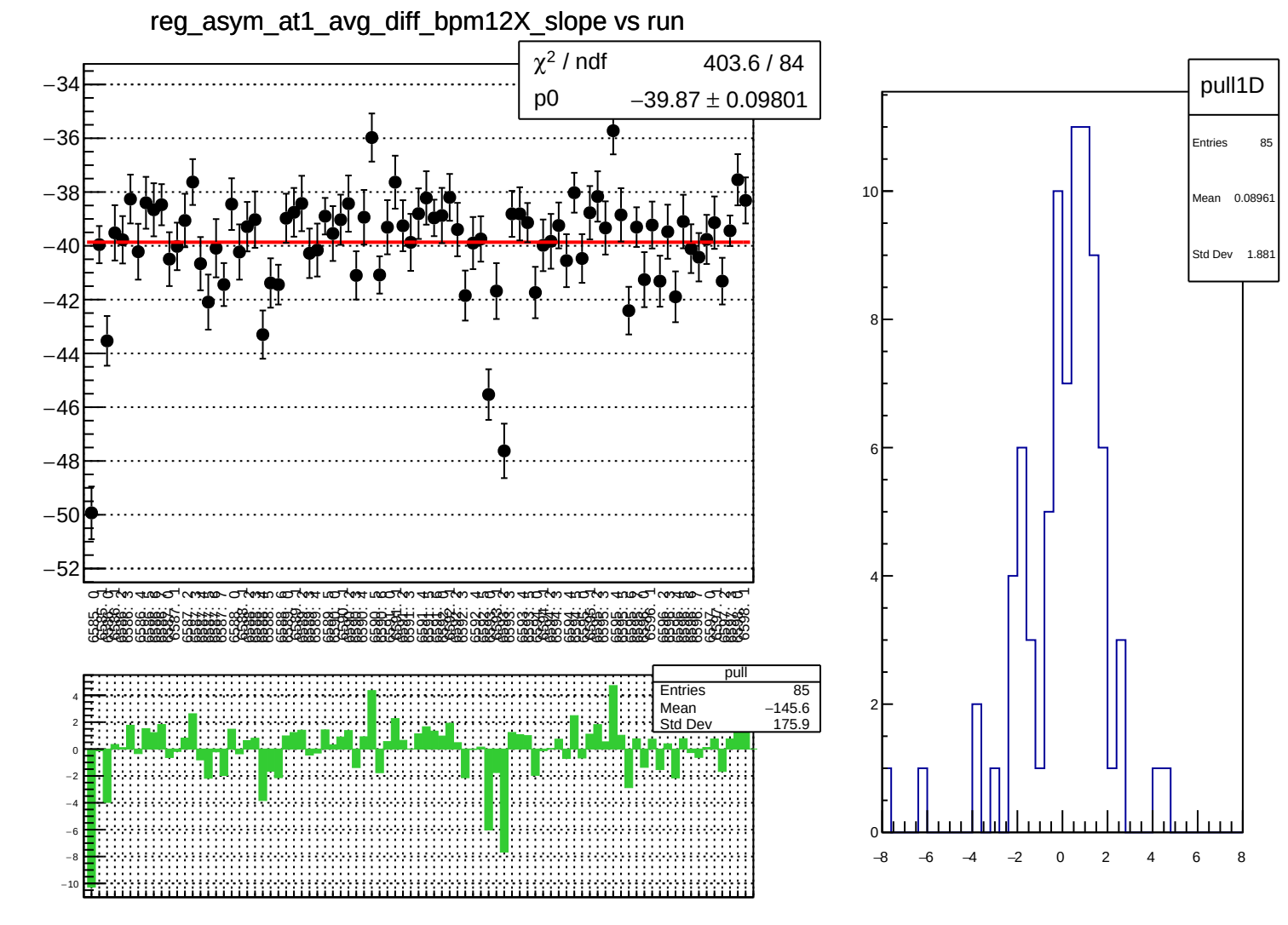

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 89.2 / 84
p0 −0.3089 ± 1.638
pull
Entries 85
Mean −622.1
Std Dev 668.6

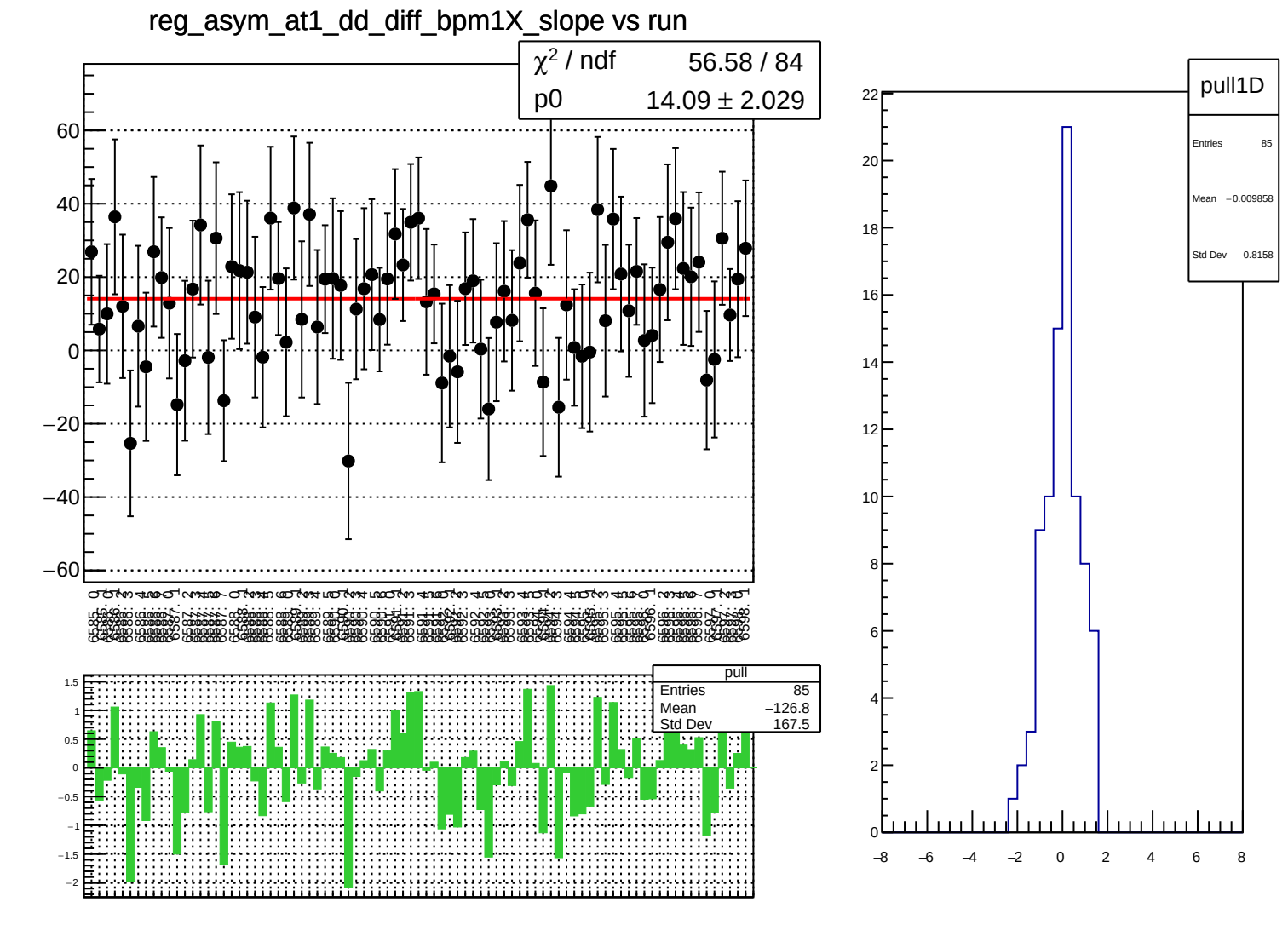

pull1D
Entries 85
Mean −0.004572
Std Dev 1.024

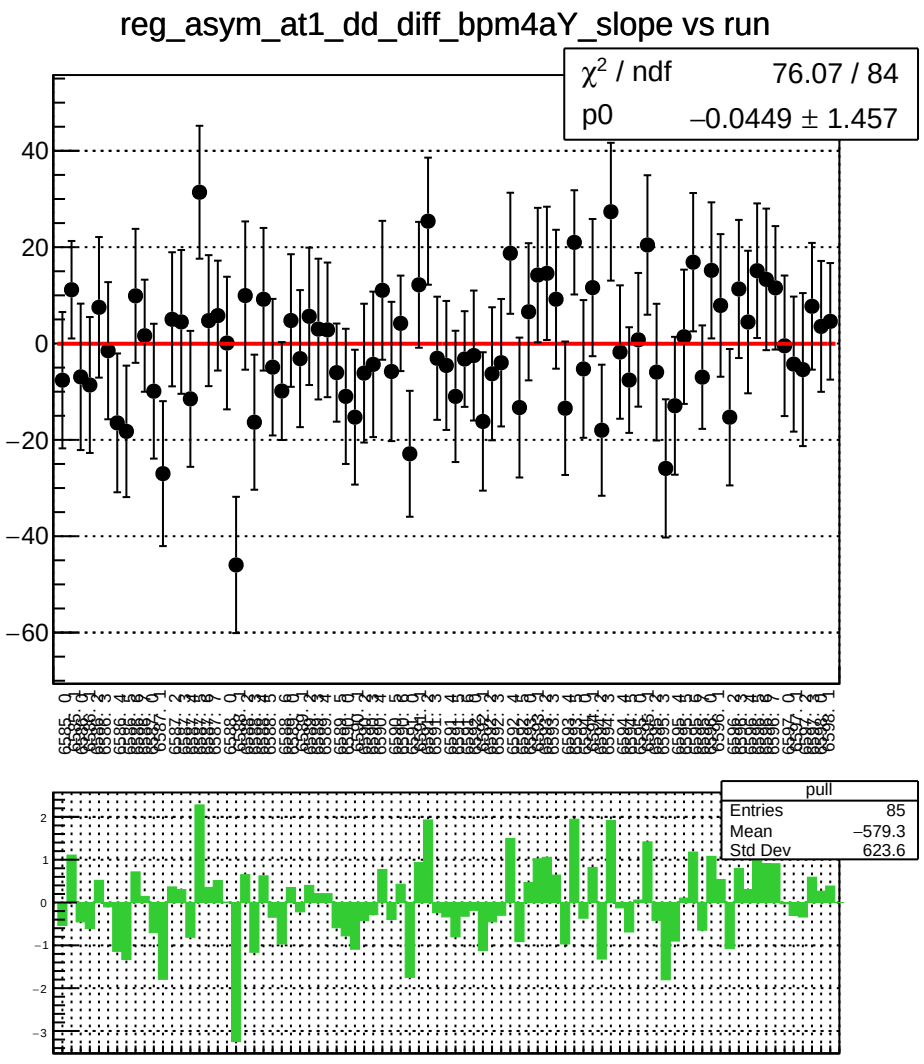

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 82.32 / 84
p0 58.35 ± 2.432
pull
Entries 85
Mean 133.6
Std Dev 34.47
pull1D
Entries 85
Mean 0.01319
Std Dev 0.984

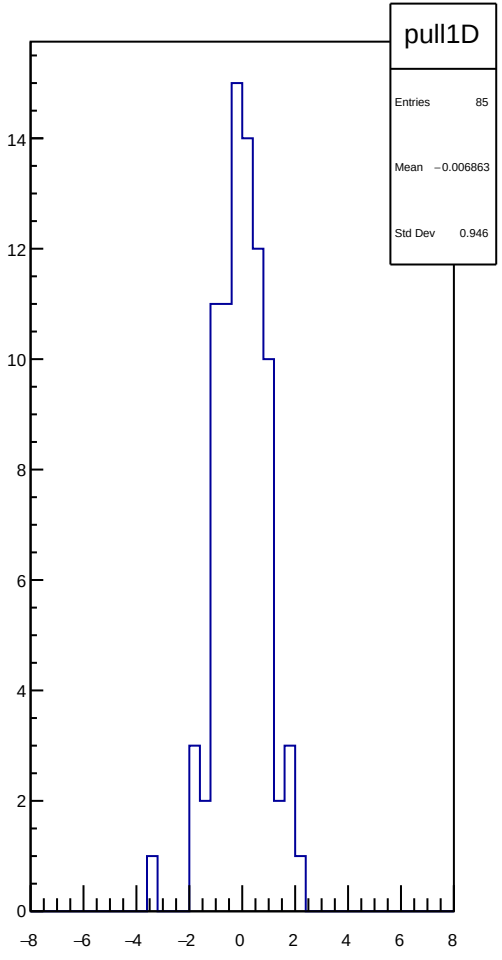

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 113.8 / 84
p0 6.239 ± 1.966
pull
Entries 85
Mean −475.4
Std Dev 519.9

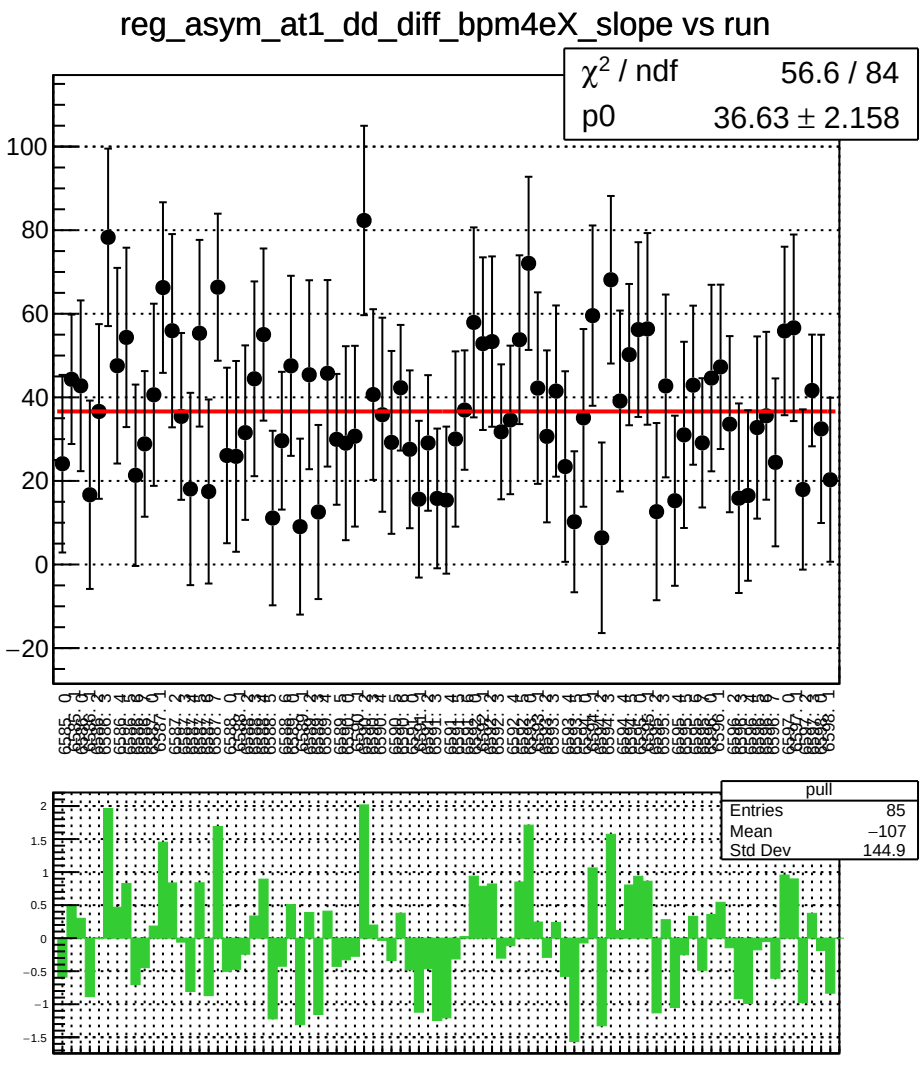

pull1D
Entries 85
Mean 0.008611
Std Dev 1.157

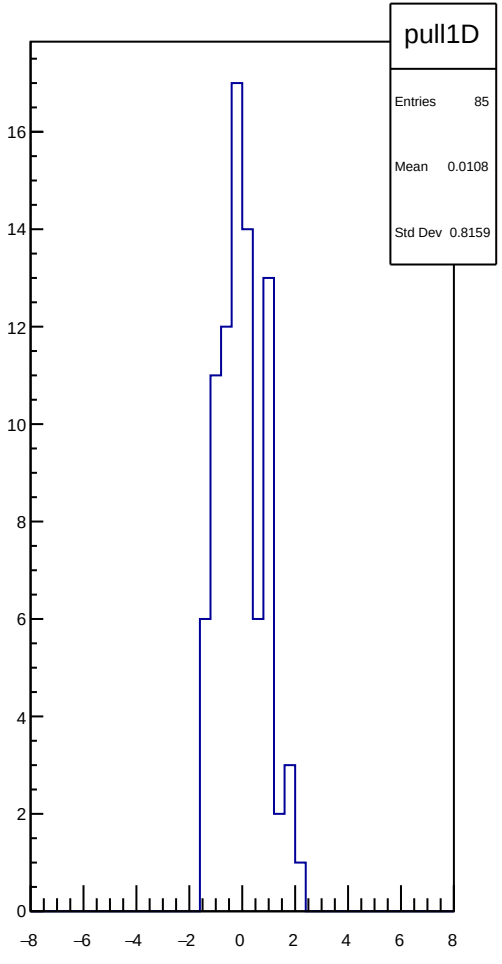

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 403.6 / 84
p0 −39.87 ± 0.09801
pull
Entries 85
Mean −145.6
Std Dev 175.9
pull1D
Entries 85
Mean 0.08961
Std Dev 1.881

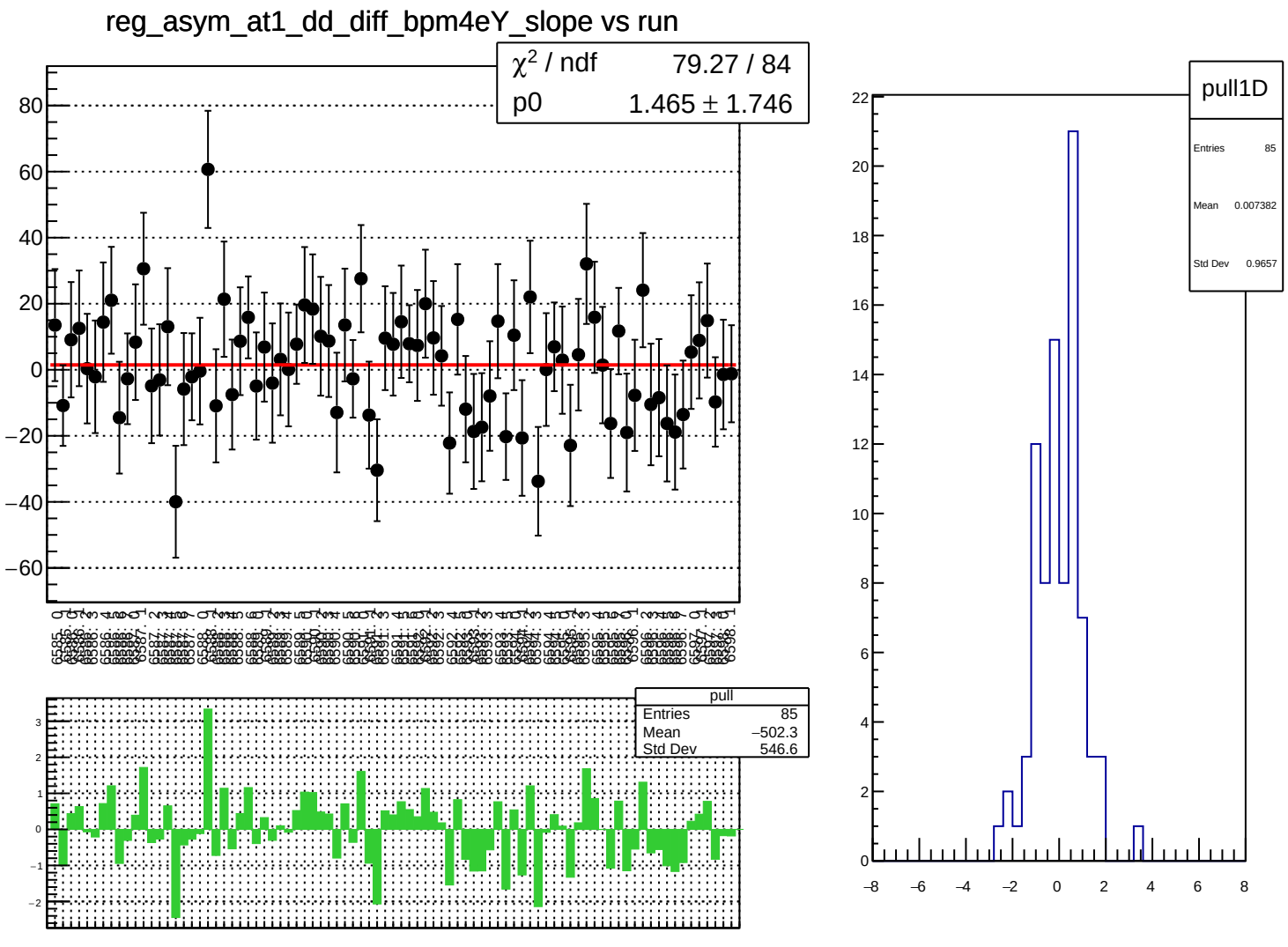

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 56.58 / 84
p0 14.09 ± 2.029
pull
Entries 85
Mean −126.8
Std Dev 167.5
pull1D
Entries 85
Mean −0.009858
Std Dev 0.8158

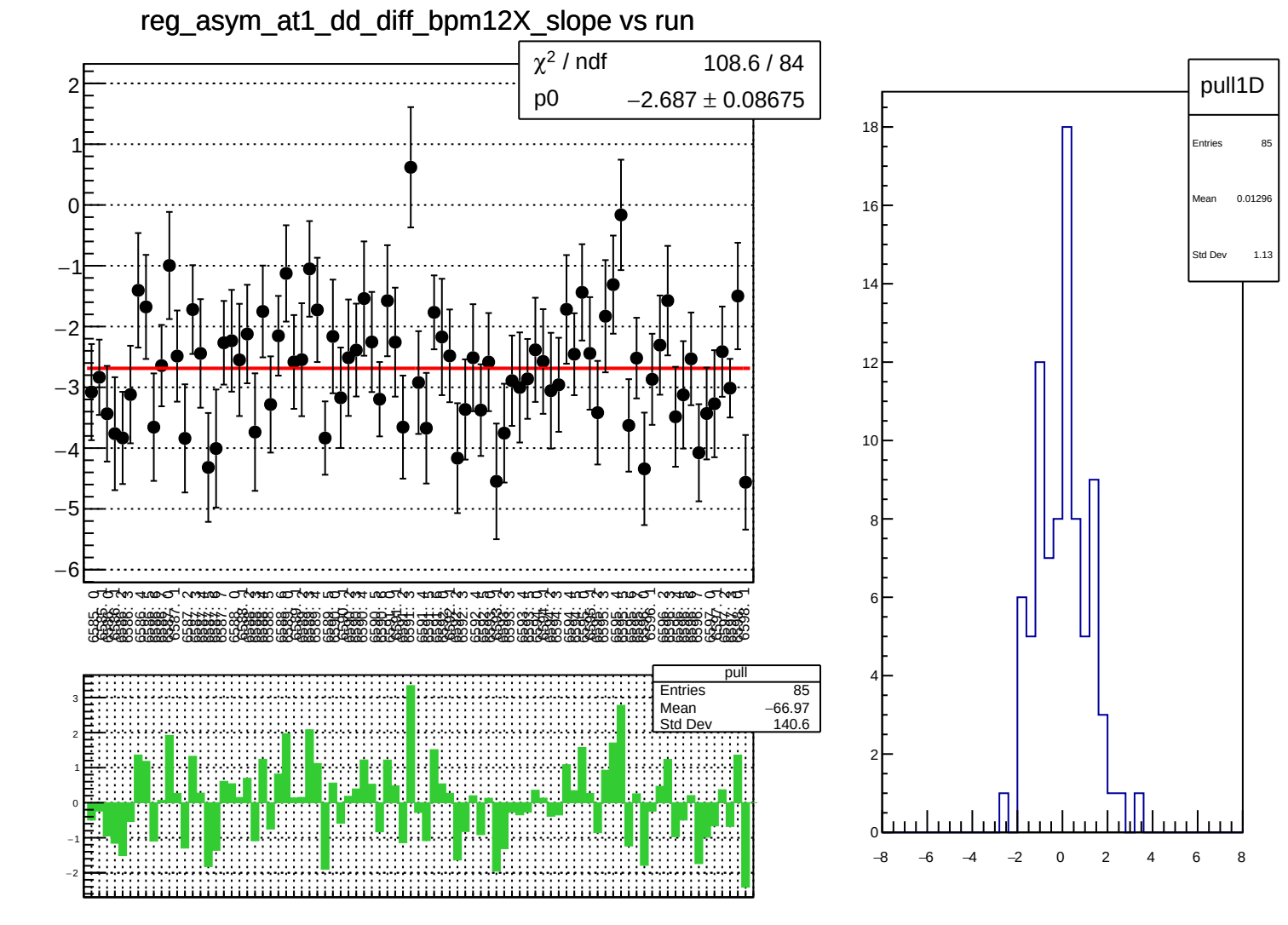

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 76.07 / 84
p0 −0.0449 ± 1.457
pull
Entries 85
Mean −579.3
Std Dev 623.6

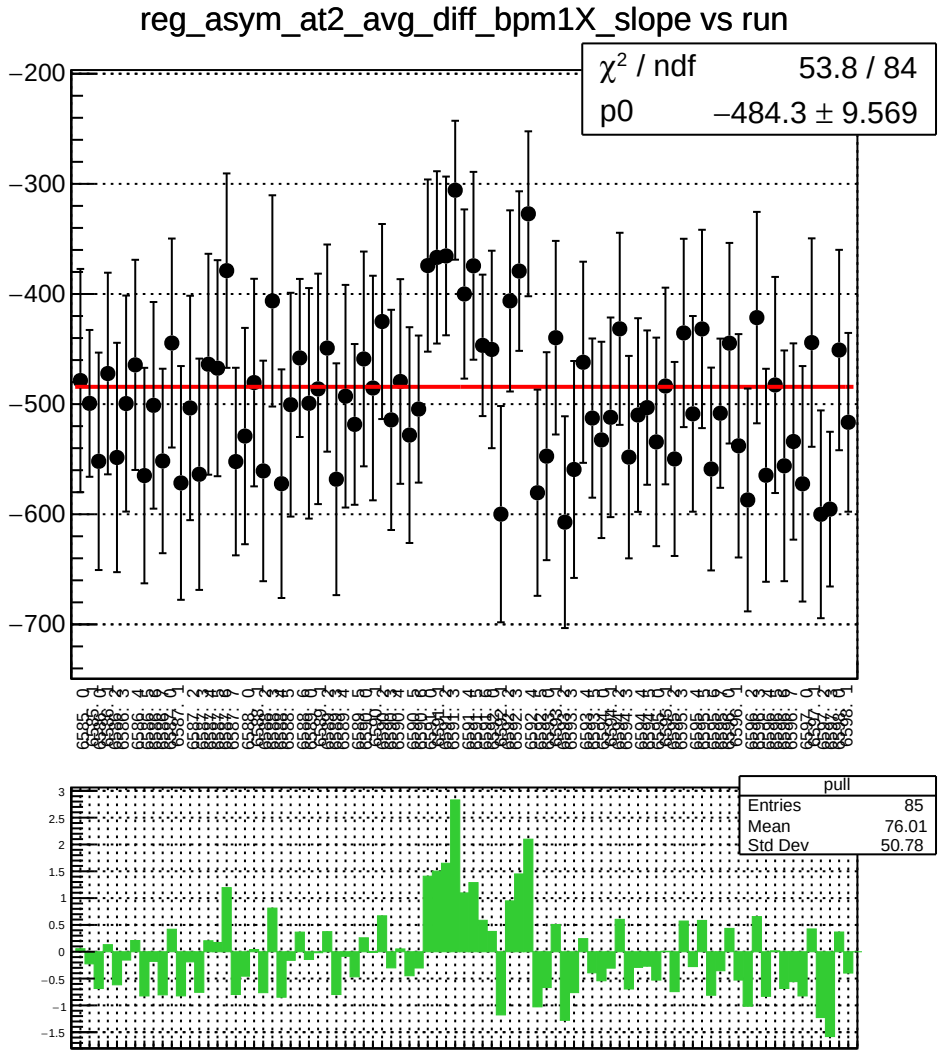

pull1D
Entries 85
Mean −0.006863
Std Dev 0.946

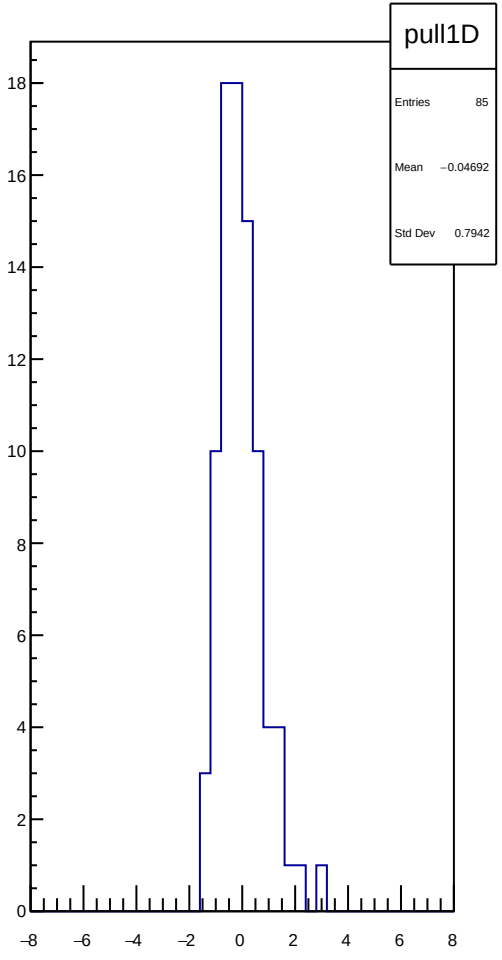

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.6 / 84
p0 36.63 ± 2.158
pull
Entries 85
Mean −107
Std Dev 144.9

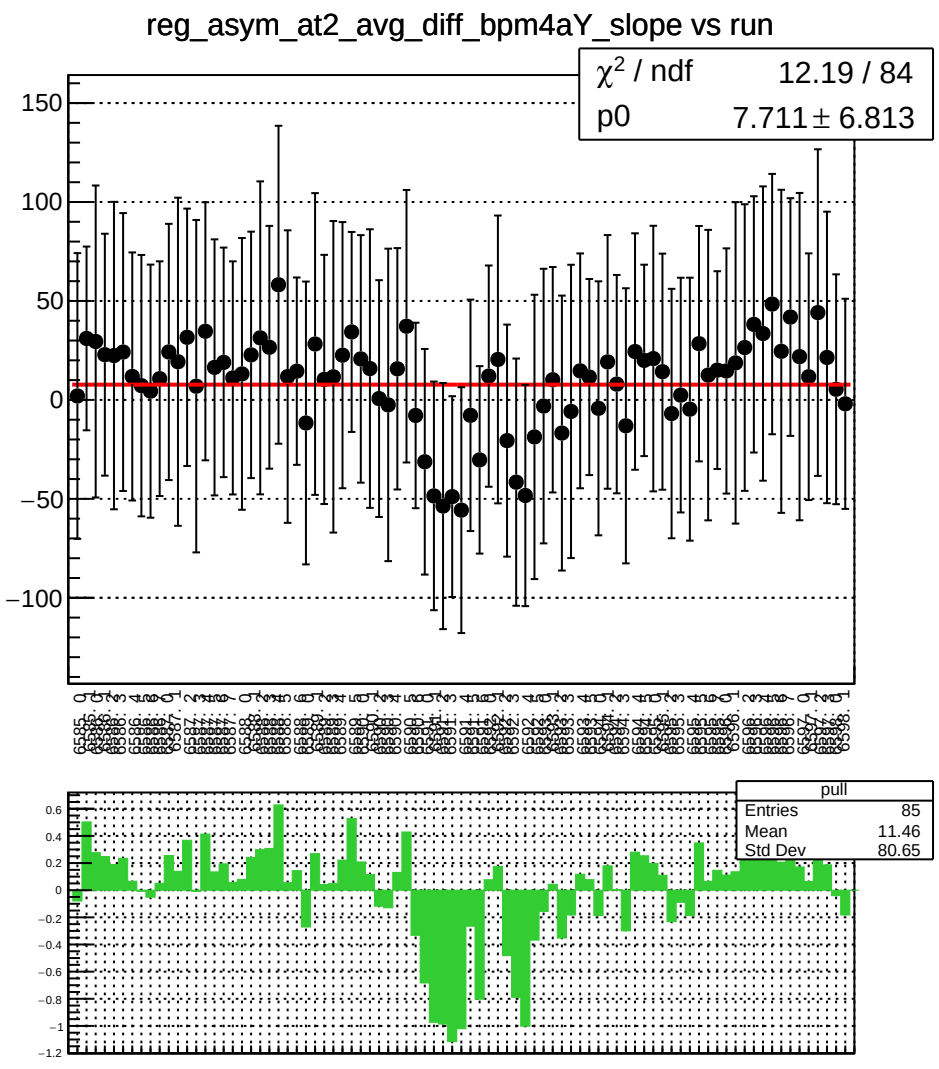

pull1D
Entries 85
Mean 0.0108
Std Dev 0.8159

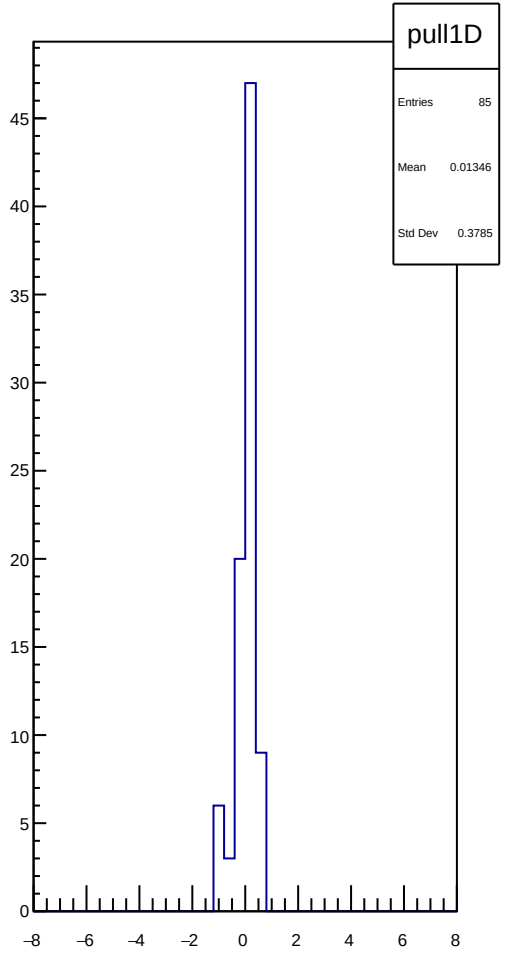

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 79.27 / 84
p0 1.465 ± 1.746
pull
Entries 85
Mean −502.3
Std Dev 546.6
pull1D
Entries 85
Mean 0.007382
Std Dev 0.9657

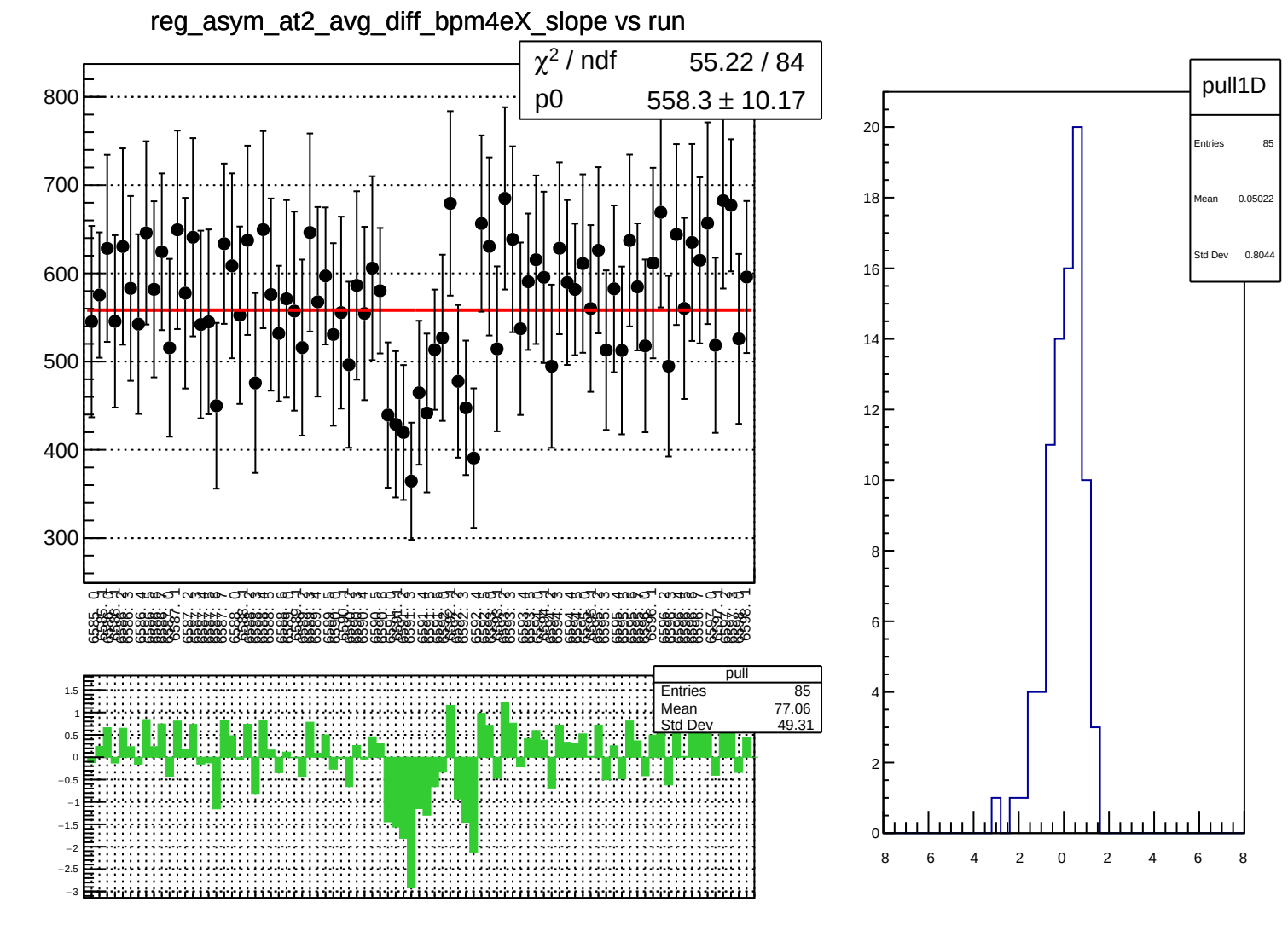

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 108.6 / 84
p0 −2.687 ± 0.08675
pull
Entries 85
Mean −66.97
Std Dev 140.6
pull1D
Entries 85
Mean 0.01296
Std Dev 1.13

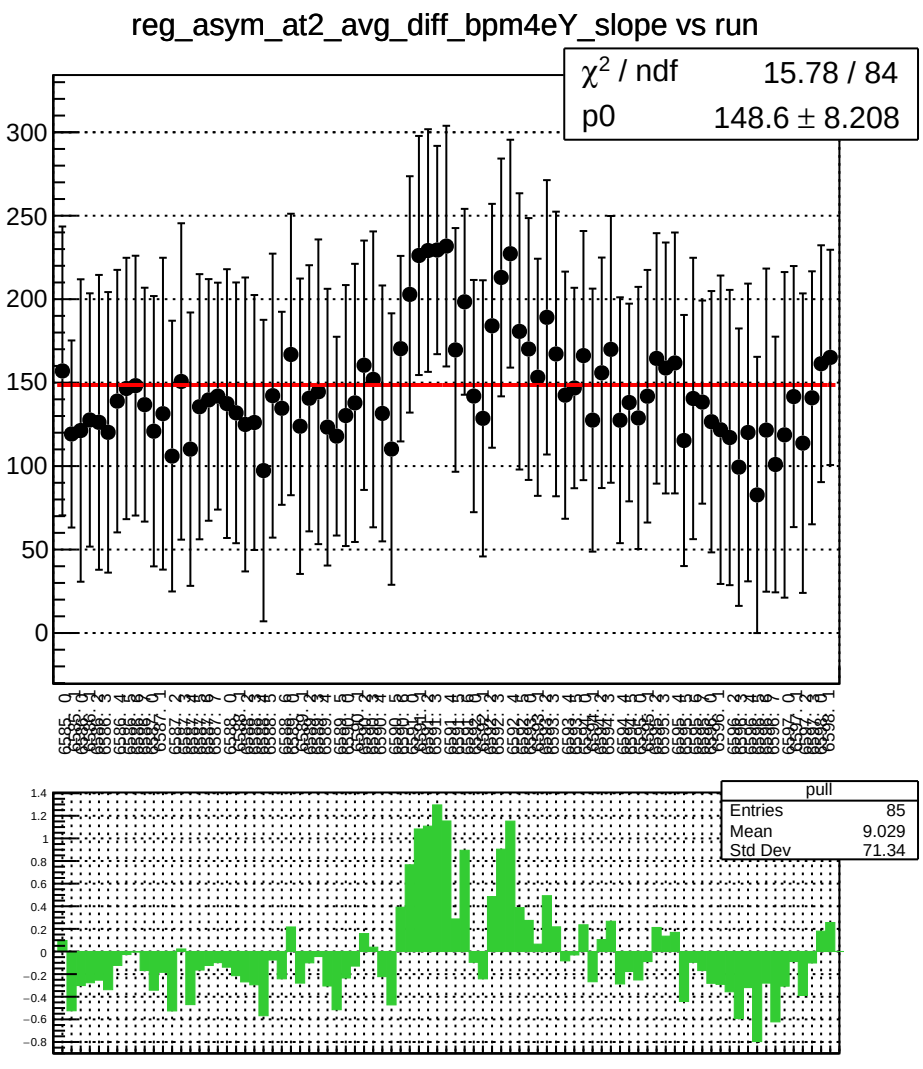

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 53.8 / 84
p0 −484.3 ± 9.569
pull
Entries 85
Mean 76.01
Std Dev 50.78

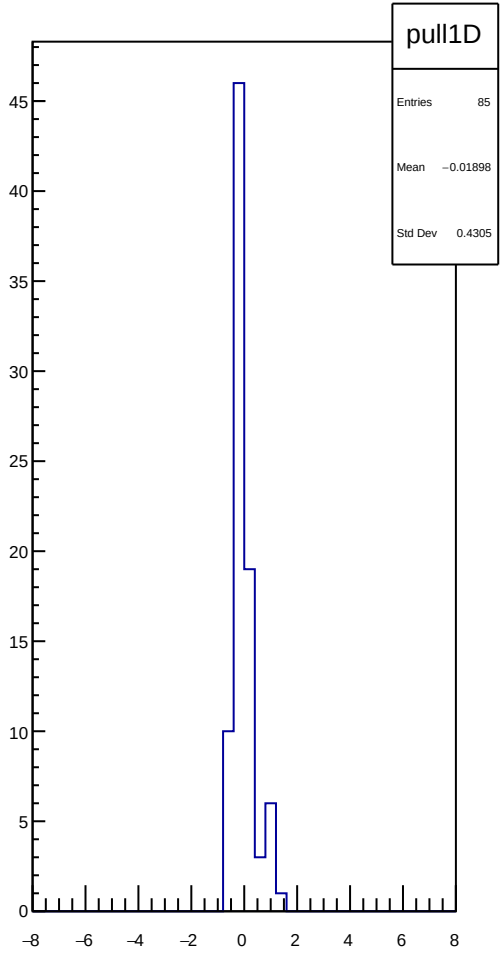

pull1D
Entries 85
Mean −0.04692
Std Dev 0.7942

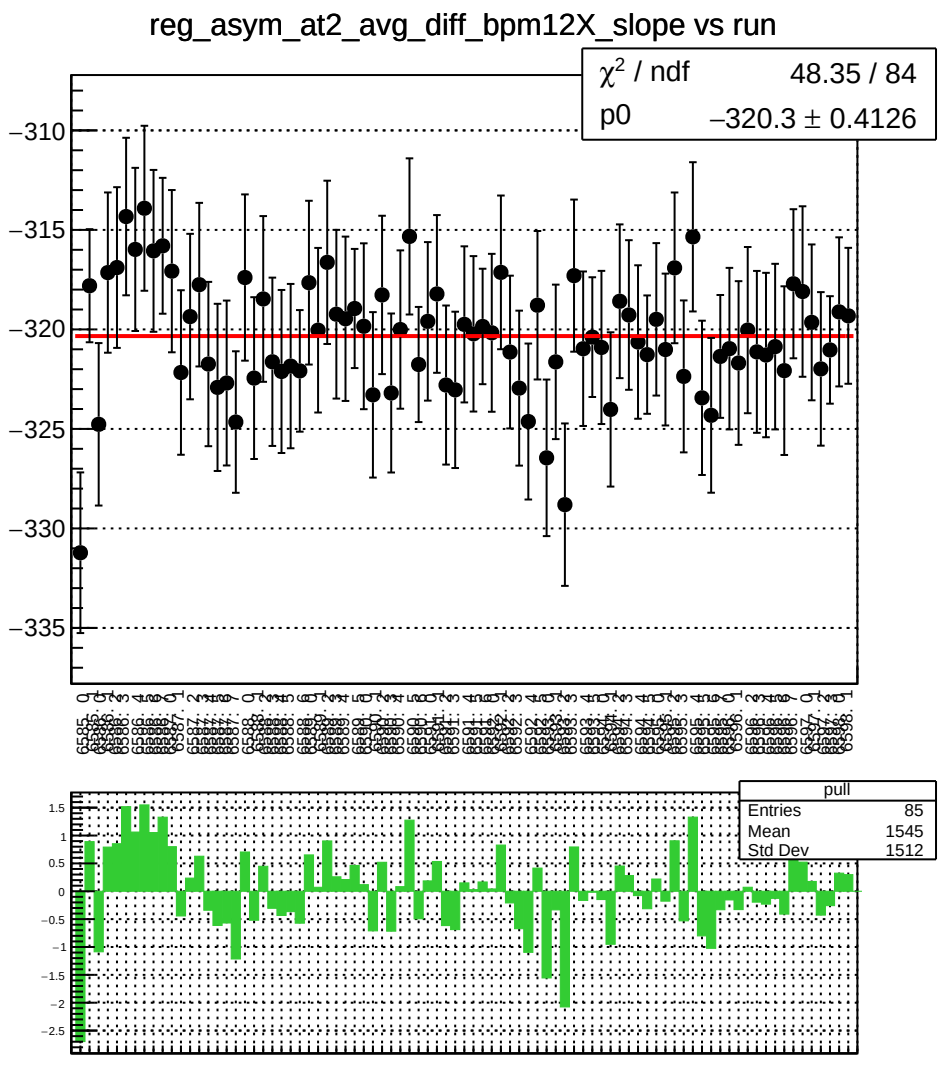

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.19 / 84
p0 7.711 ± 6.813
150
100
50
0
−50
−100
pull
Entries 85
Mean 11.46
Std Dev 80.65
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

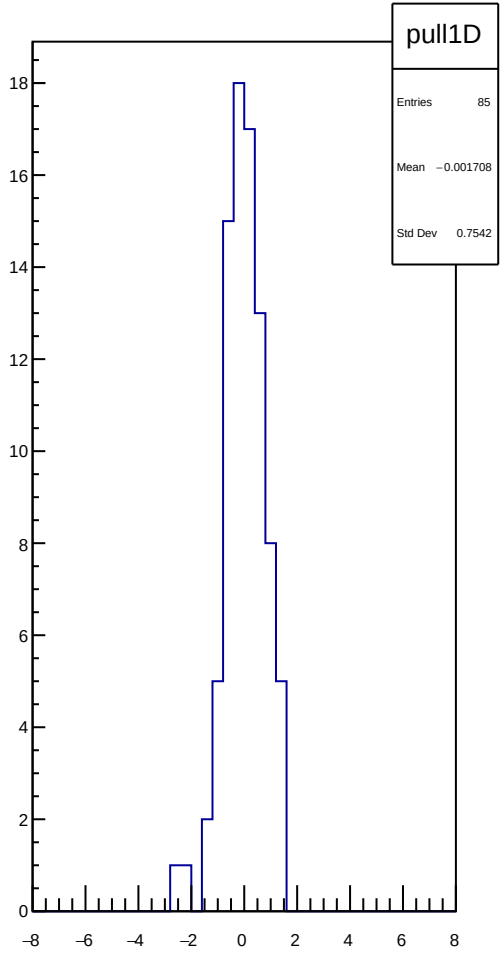

pull1D
Entries 85
Mean 0.01346
Std Dev 0.3785
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

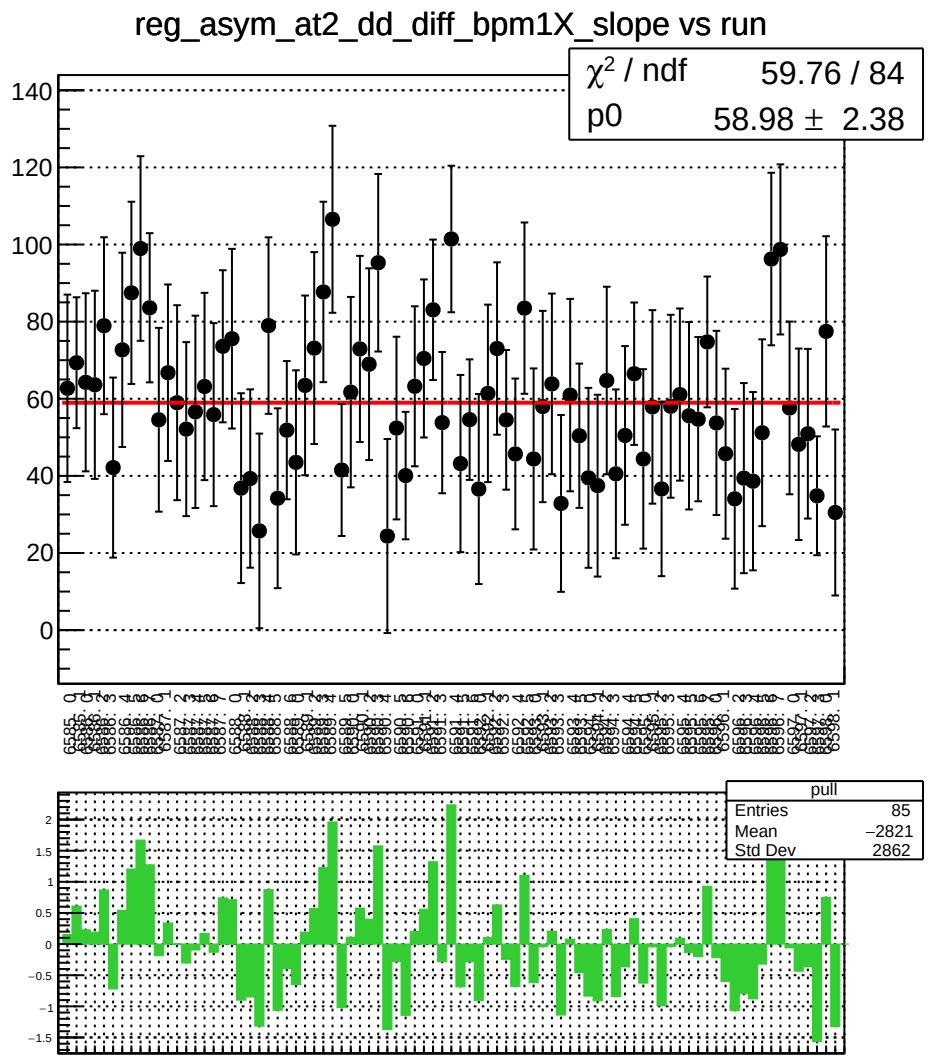

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.22 / 84
p0 558.3 ± 10.17
800
700
600
500
400
300
pull
Entries 85
Mean 77.06
Std Dev 49.31
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 85
Mean 0.05022
Std Dev 0.8044
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

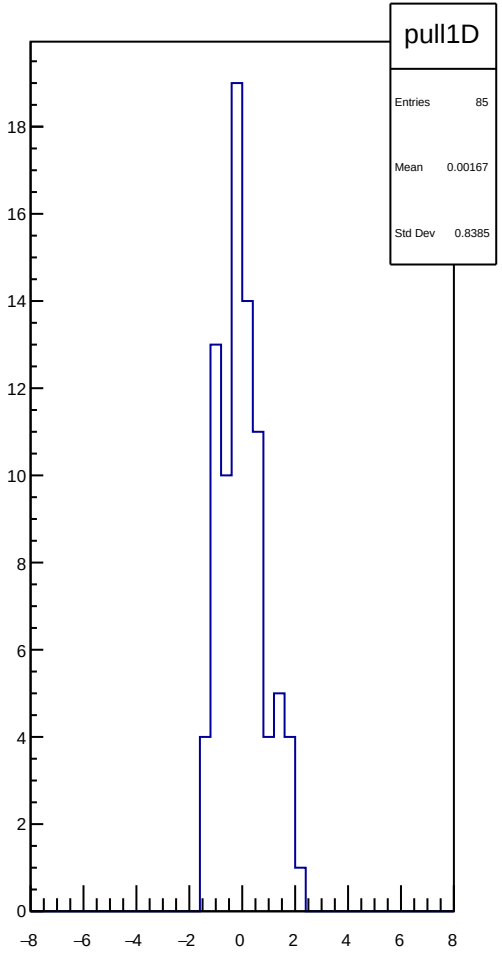

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.78 / 84
p0 148.6 ± 8.208
300
250
200
150
100
50
0
pull
Entries 85
Mean 9.029
Std Dev 71.34
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

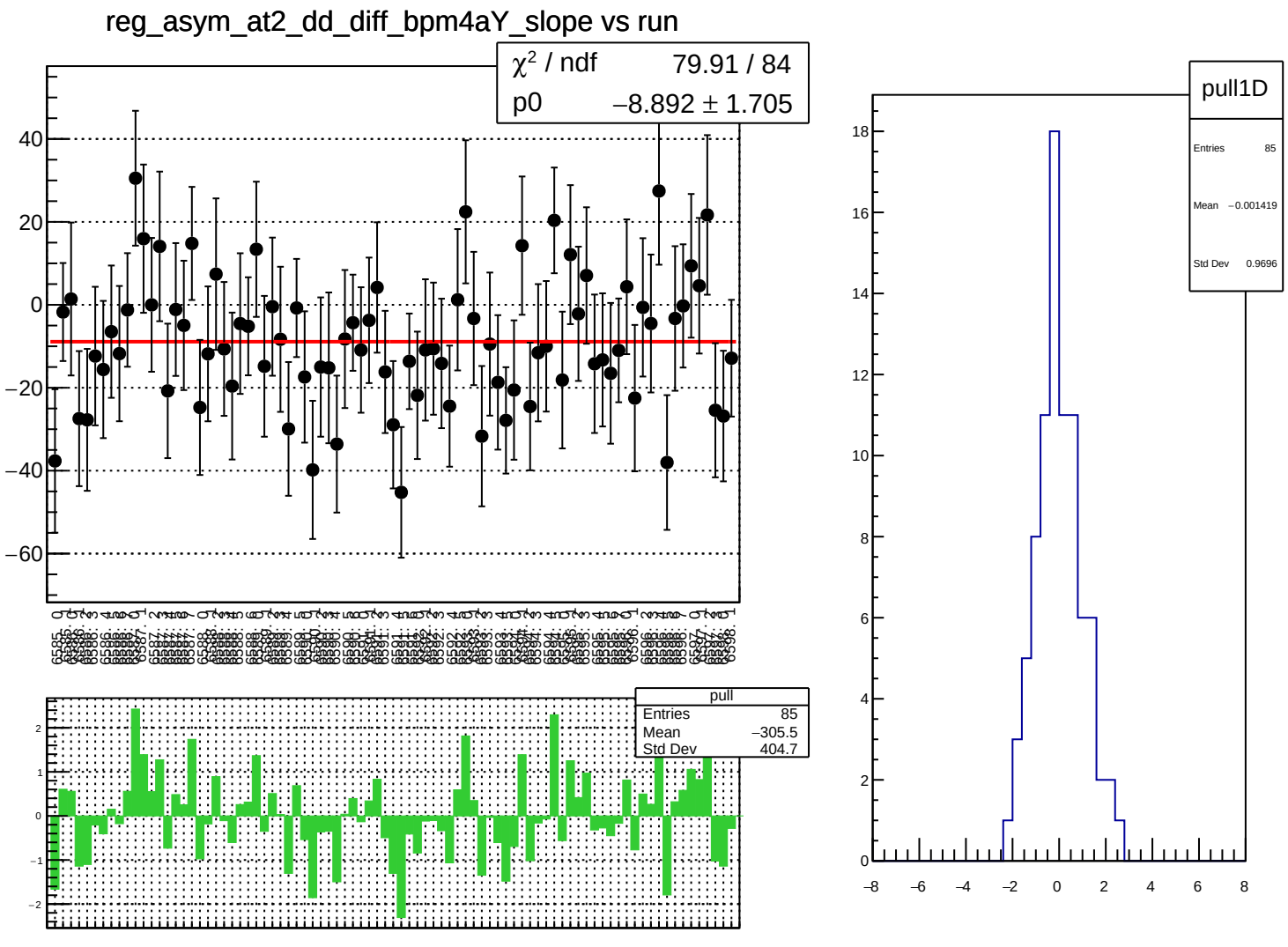

pull1D
Entries 85
Mean −0.01898
Std Dev 0.4305
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

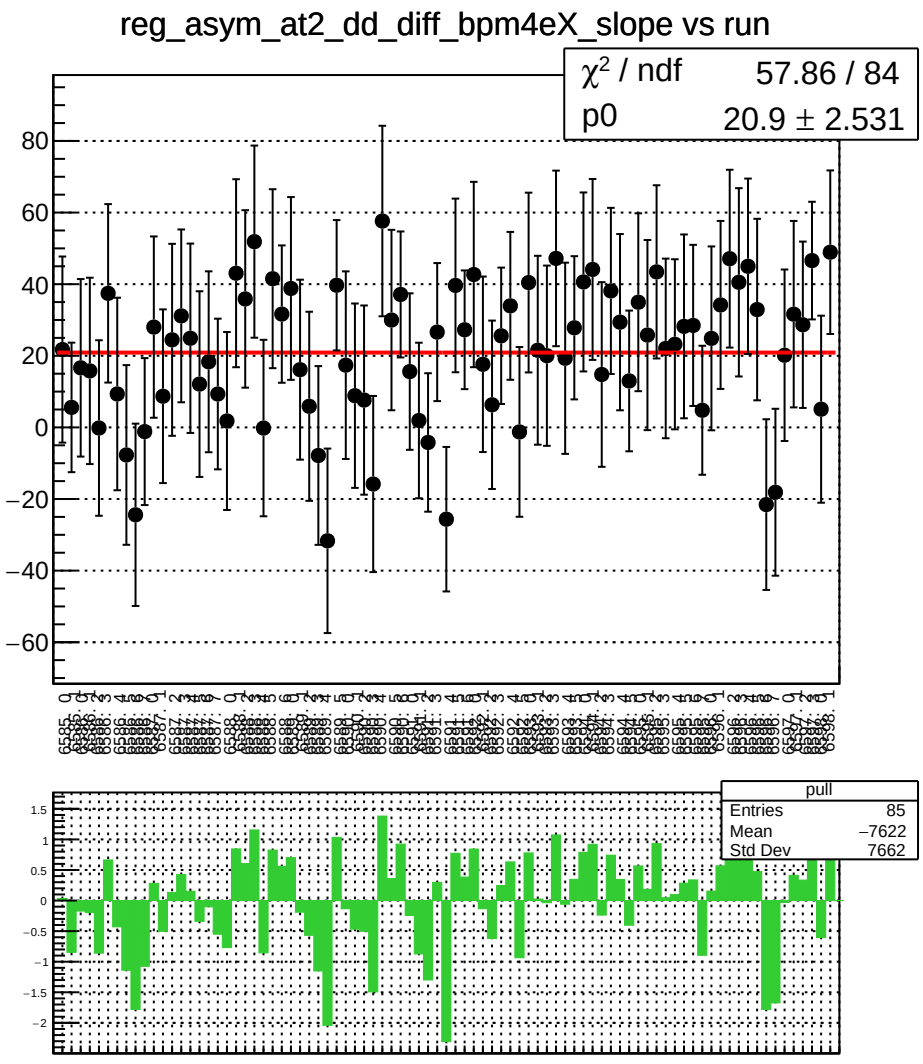

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 48.35 / 84
p0 −320.3 ± 0.4126
−310
−315
−320
−325
−330
−335
pull
Entries 85
Mean 1545
Std Dev 1512
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

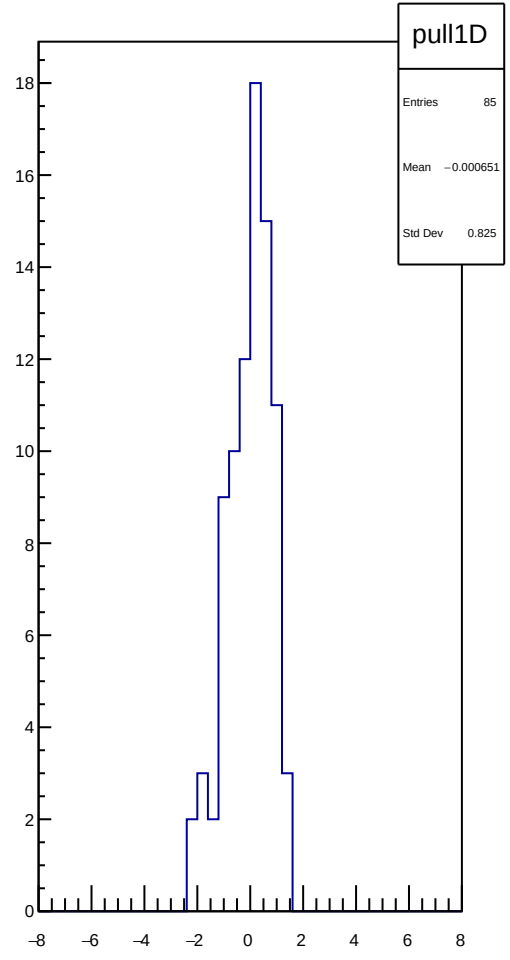

pull1D
Entries 85
Mean −0.001708
Std Dev 0.7542
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

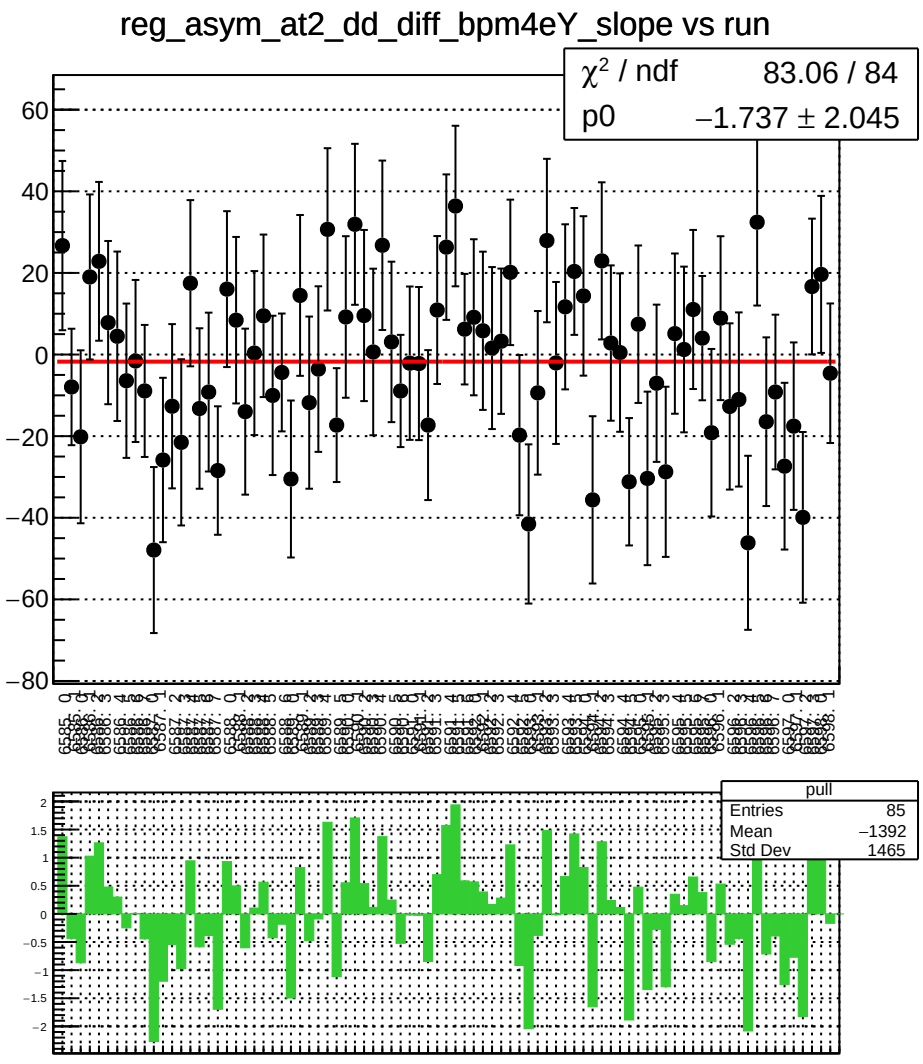

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 59.76 / 84
p0 58.98 ± 2.38
pull
Entries 85
Mean −2821
Std Dev 2862

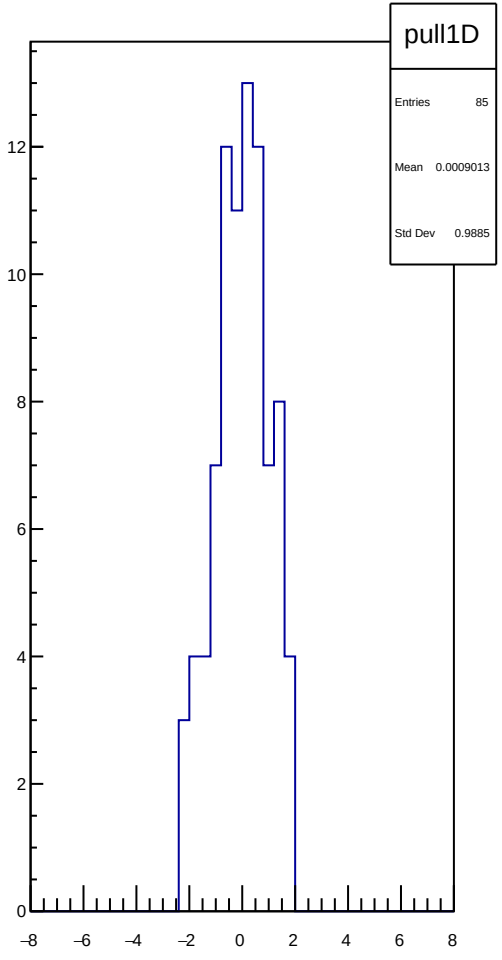

pull1D
Entries 85
Mean 0.00167
Std Dev 0.8385

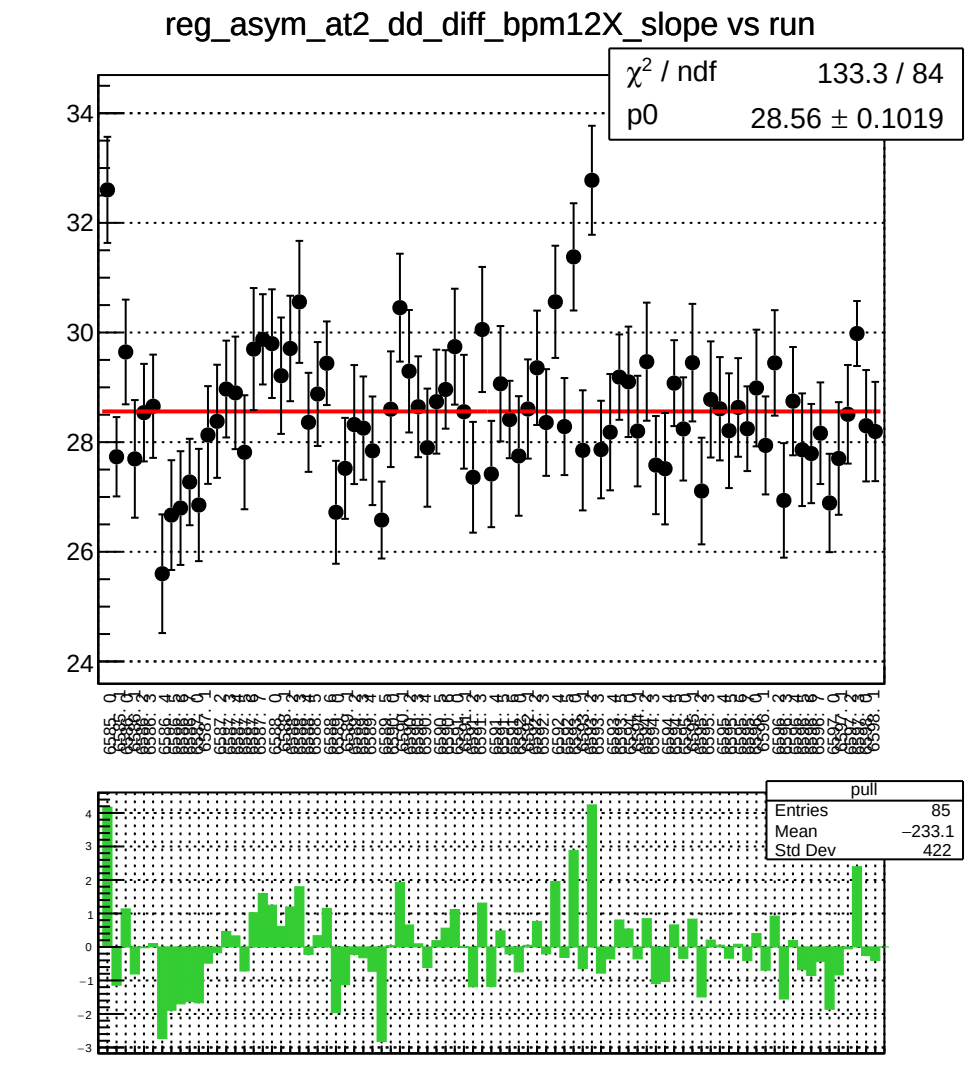

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.91 / 84
p0 −8.892 ± 1.705
pull
Entries 85
Mean −305.5
Std Dev 404.7
pull1D
Entries 85
Mean −0.001419
Std Dev 0.9696

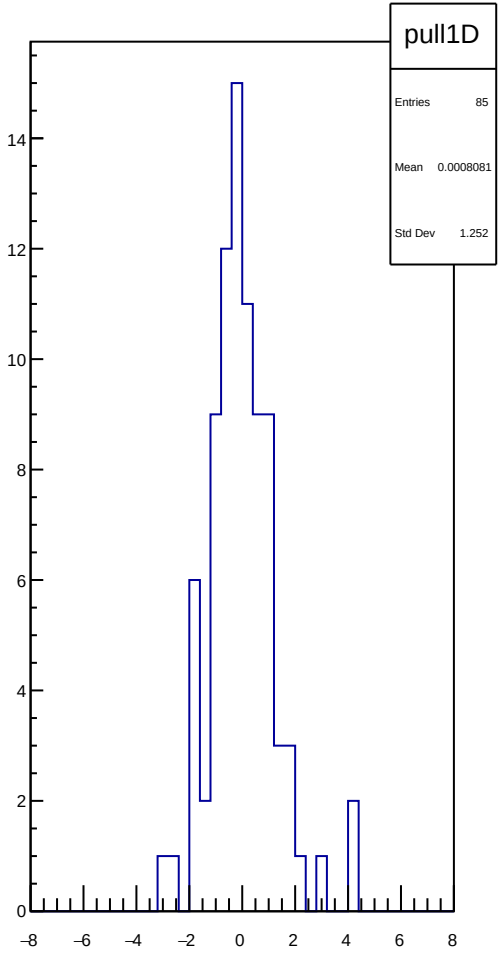

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 57.86 / 84
p0 20.9 ± 2.531
pull
Entries 85
Mean −7622
Std Dev 7662

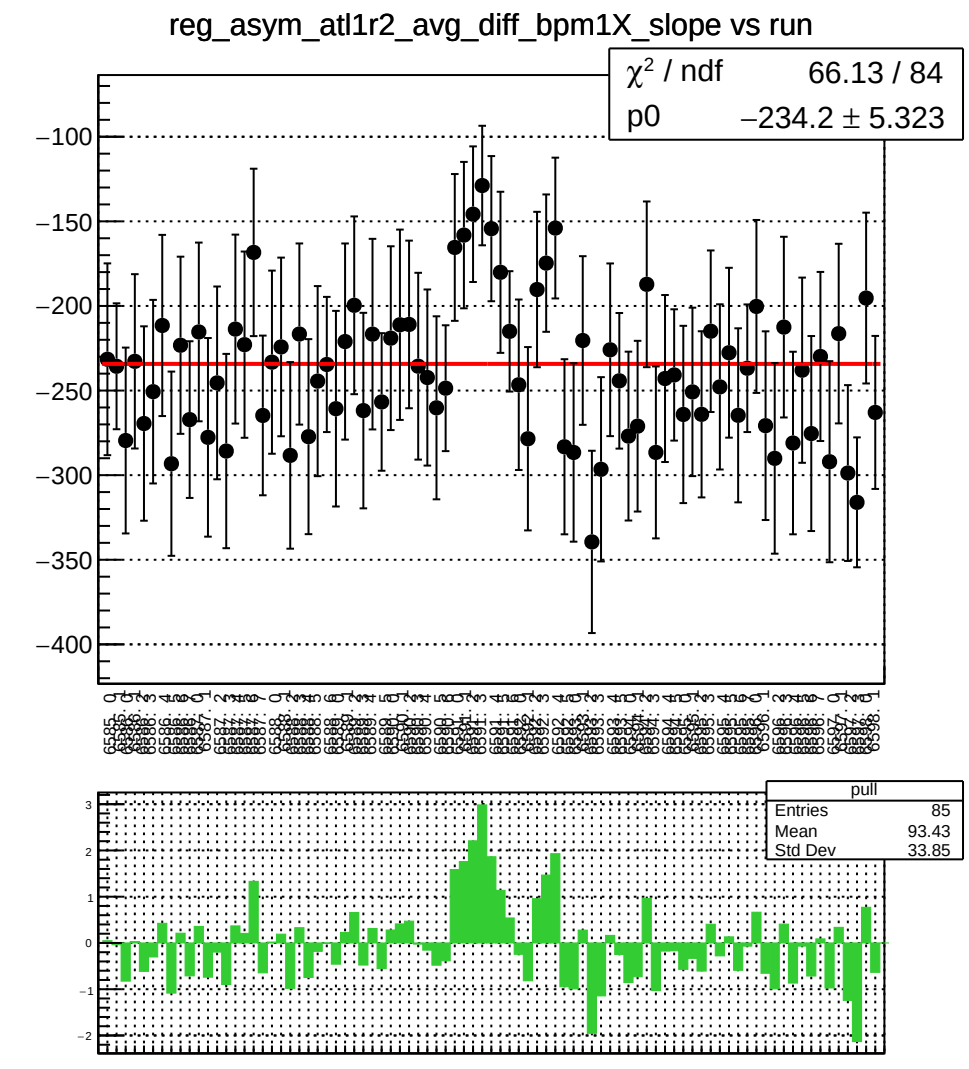

pull1D
Entries 85
Mean −0.000651
Std Dev 0.825

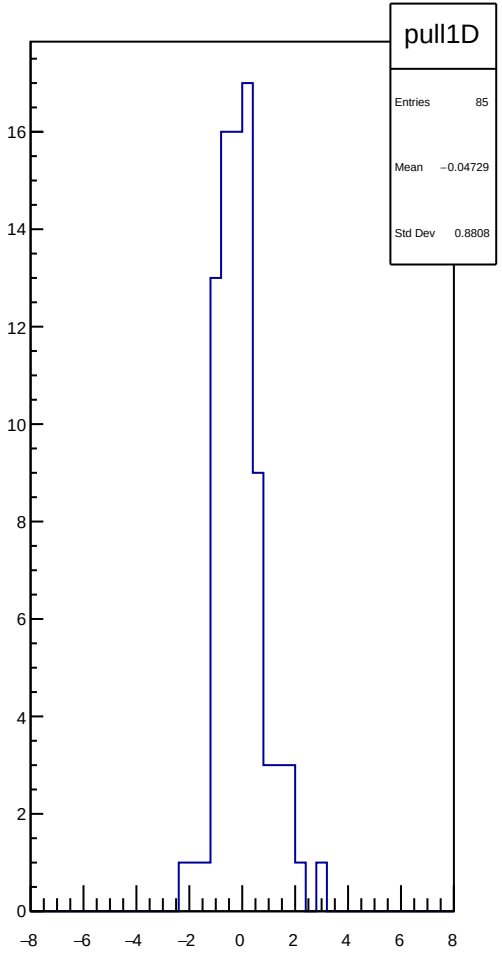

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 83.06 / 84
p0 −1.737 ± 2.045
pull
Entries 85
Mean −1392
Std Dev 1465

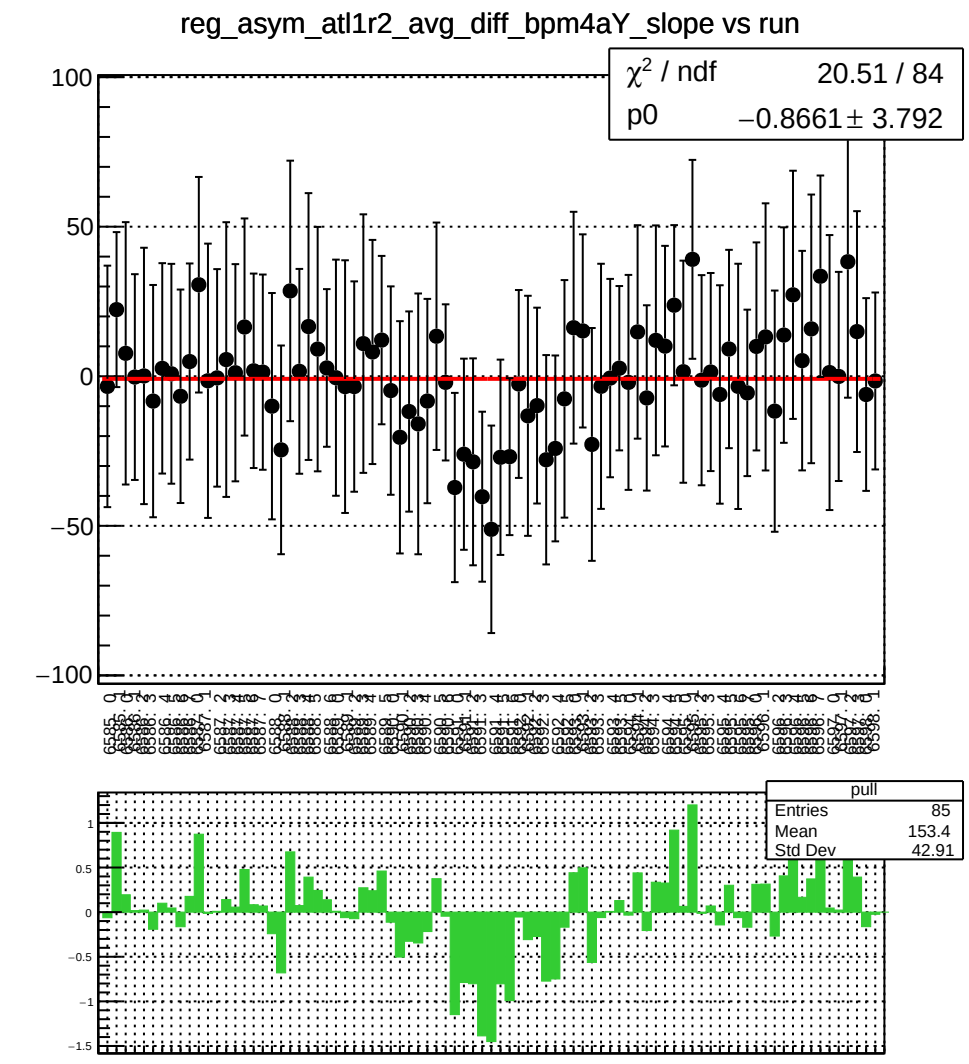

pull1D
Entries 85
Mean 0.0009013
Std Dev 0.9885

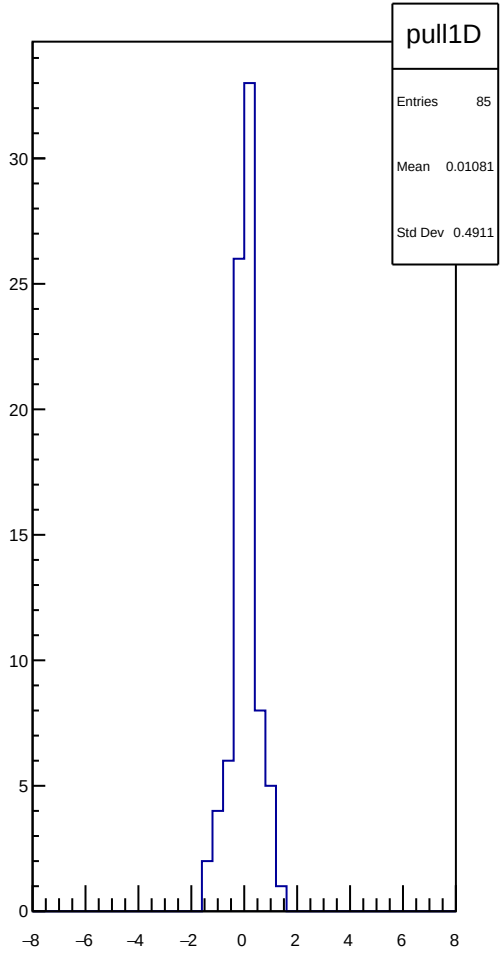

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 133.3 / 84
p0 28.56 ± 0.1019
pull
Entries 85
Mean −233.1
Std Dev 422

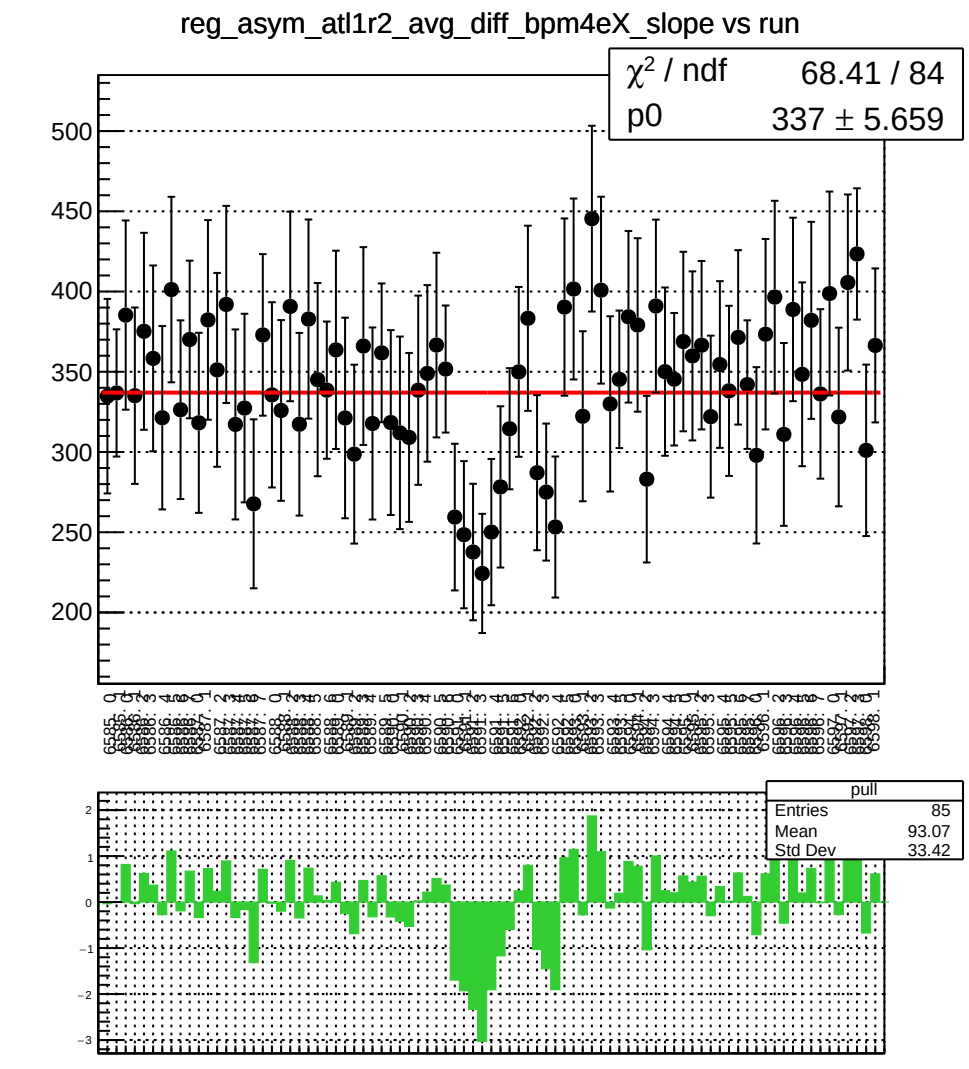

pull1D
Entries 85
Mean 0.0008081
Std Dev 1.252

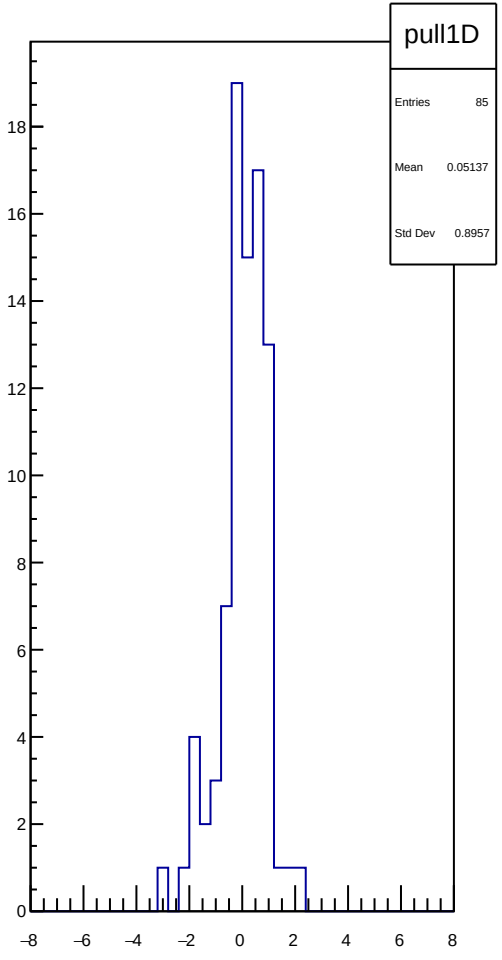

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 66.13 / 84
p0 −234.2 ± 5.323
pull
Entries 85
Mean 93.43
Std Dev 33.85

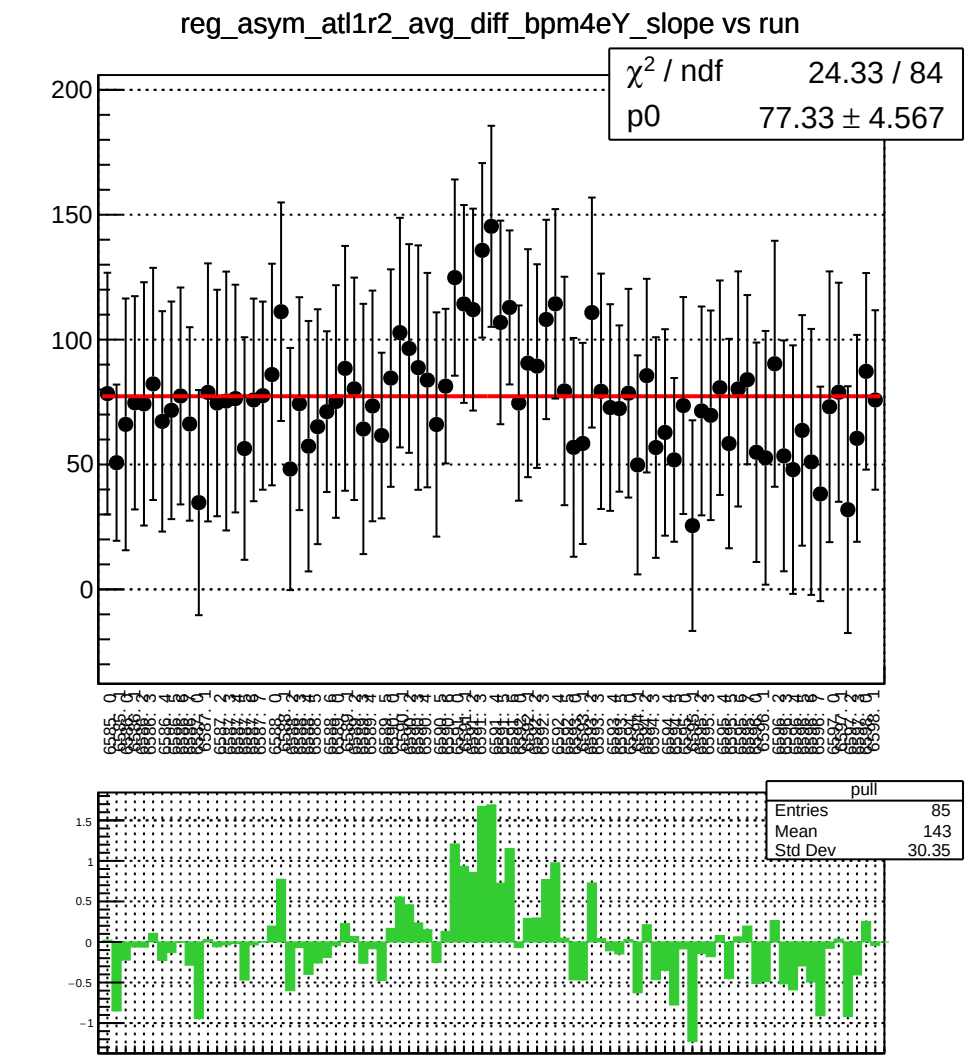

pull1D
Entries 85
Mean −0.04729
Std Dev 0.8808

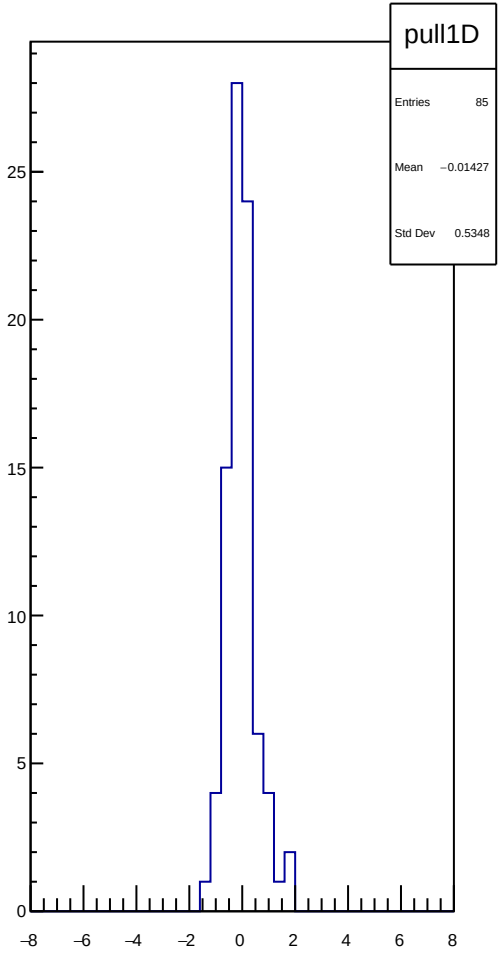

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.51 / 84
p0 −0.8661 ± 3.792
100
50
0
−50
−100
pull
Entries 85
Mean 153.4
Std Dev 42.91
1
0.5
0
−0.5
−1
−1.5

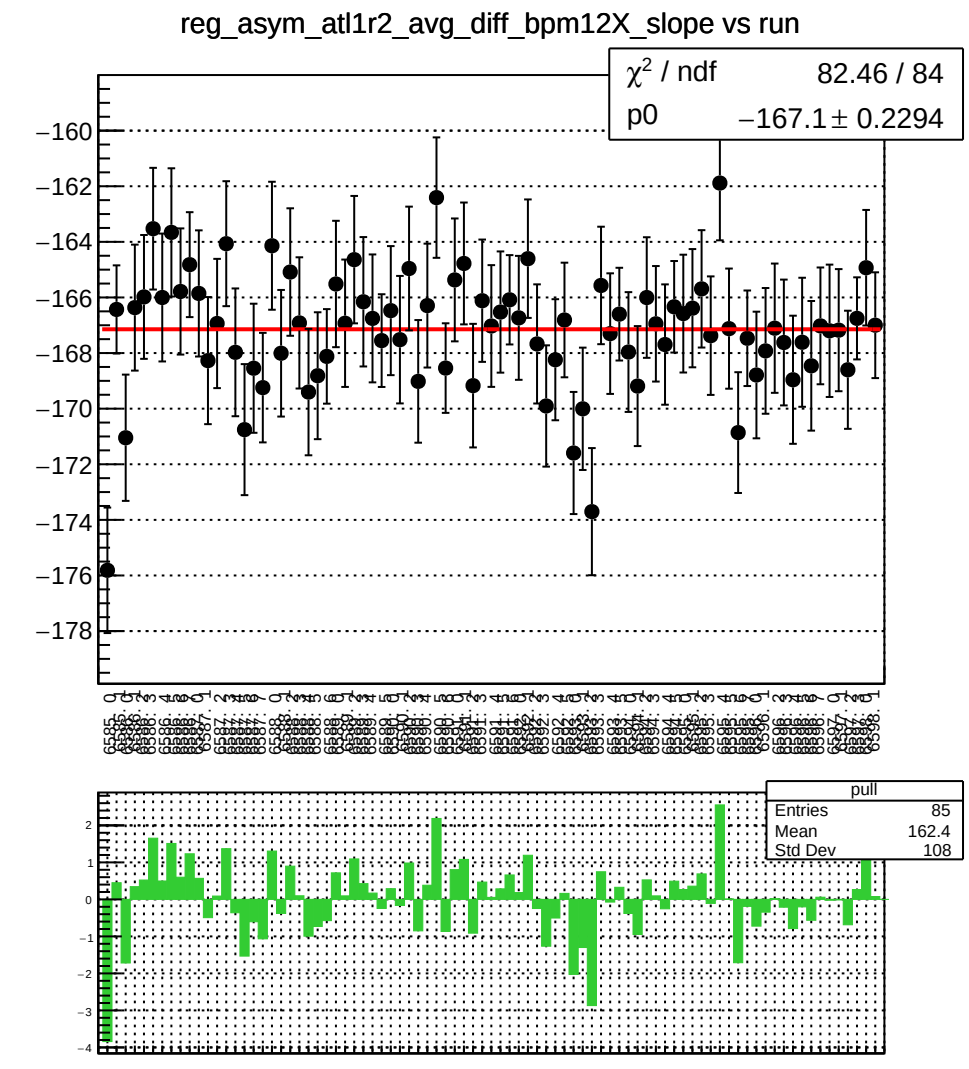

pull1D
Entries 85
Mean 0.01081
Std Dev 0.4911
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

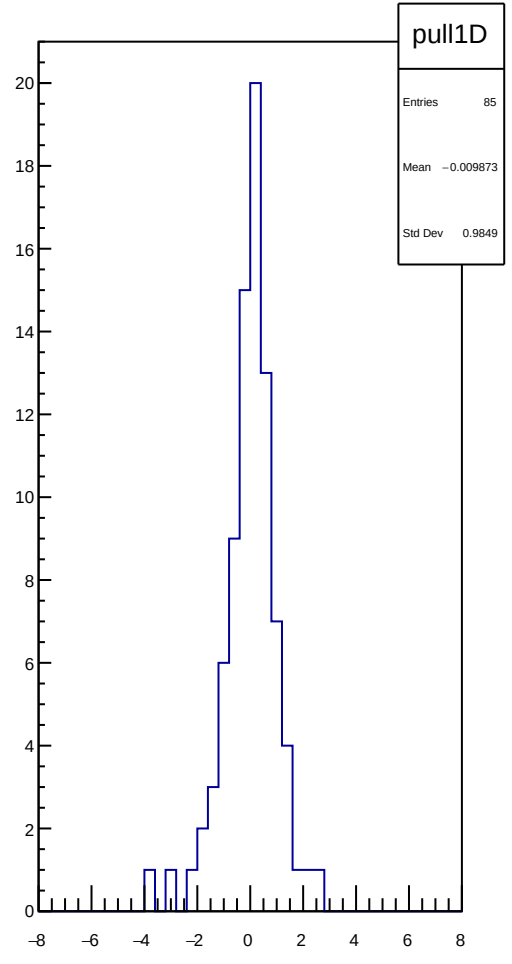

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 68.41 / 84
p0 337 ± 5.659
pull
Entries 85
Mean 93.07
Std Dev 33.42

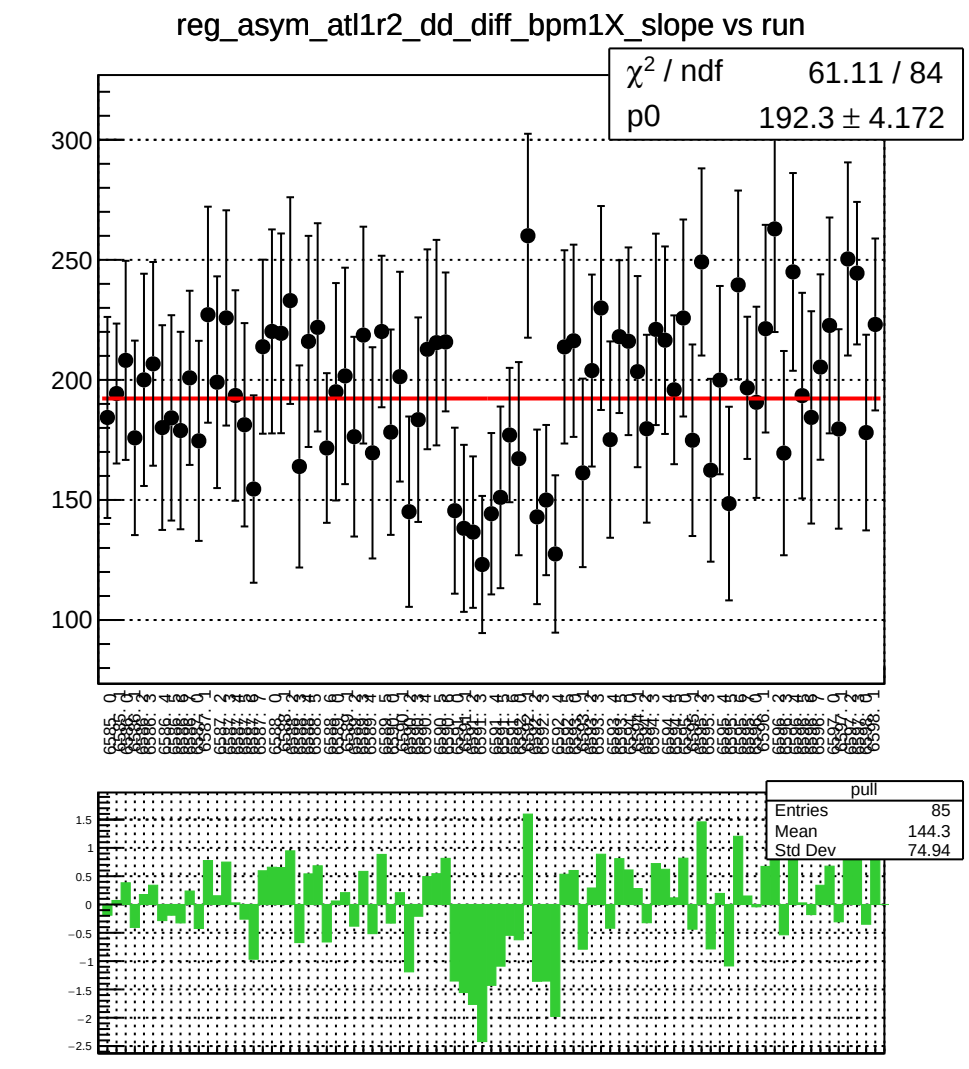

pull1D
Entries 85
Mean 0.05137
Std Dev 0.8957

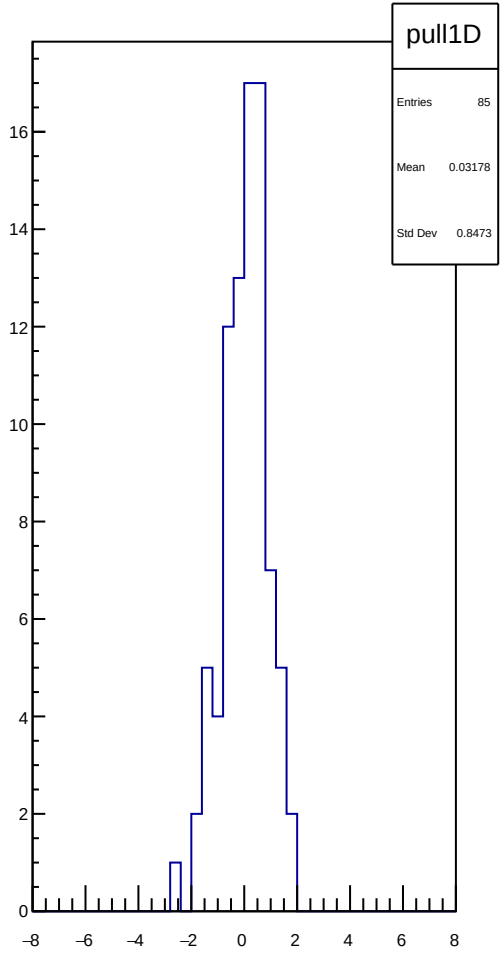

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.33 / 84
p0 77.33 ± 4.567
200
150
100
50
0
pull
Entries 85
Mean 143
Std Dev 30.35
1.5
1
0.5
0
−0.5
−1

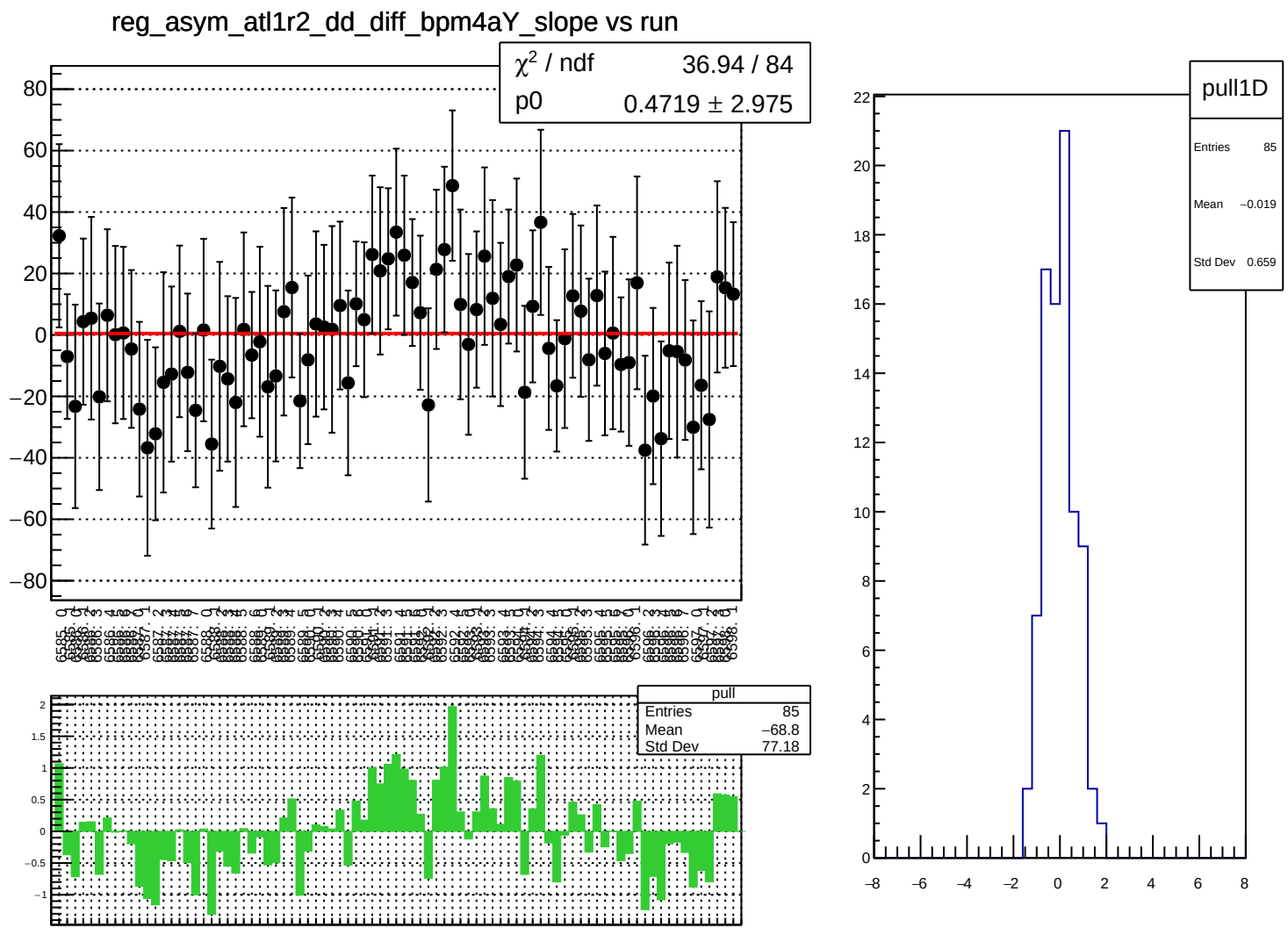

pull1D
Entries 85
Mean −0.01427
Std Dev 0.5348
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

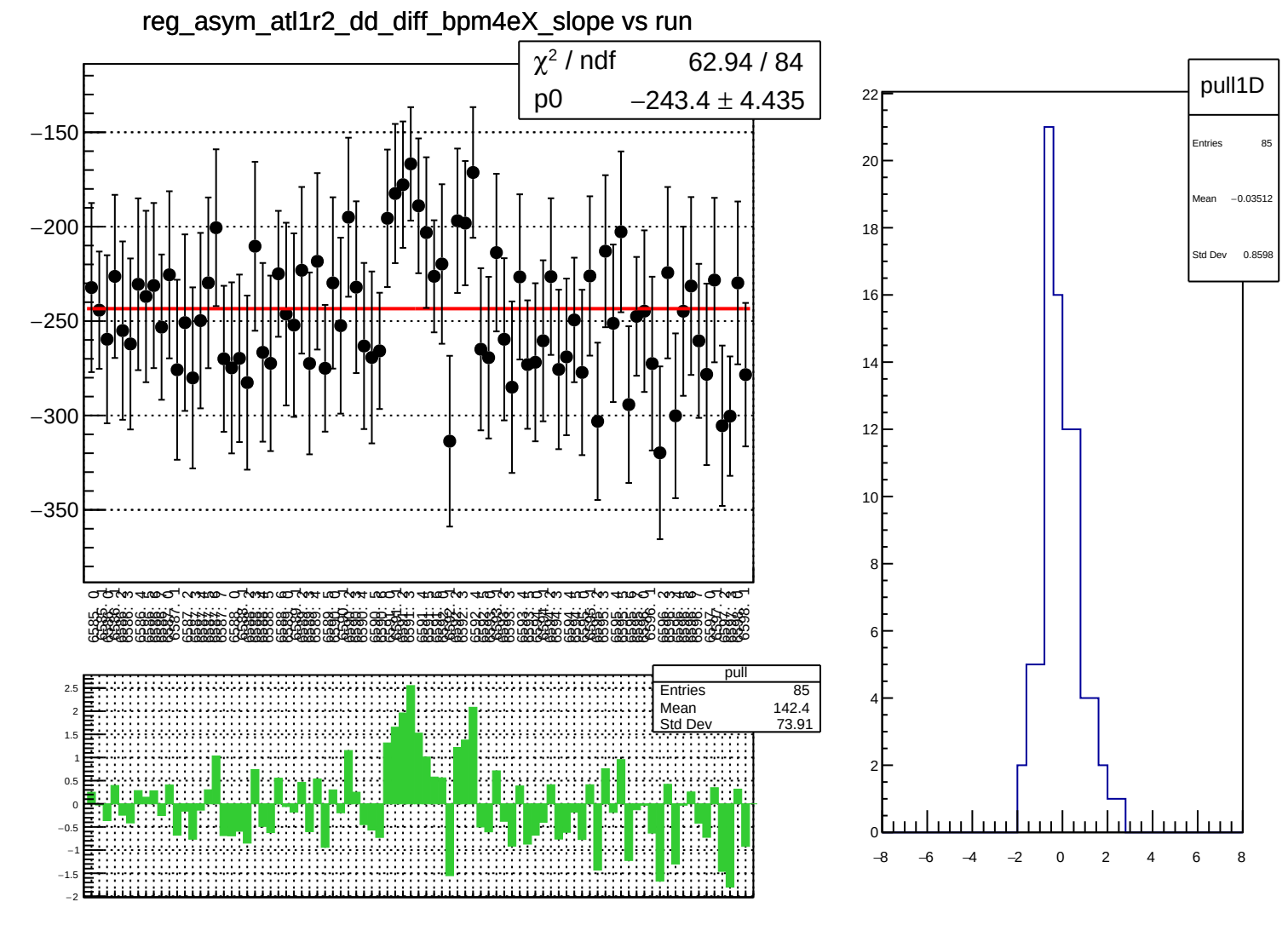

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 82.46 / 84
p0 −167.1 ± 0.2294
pull
Entries 85
Mean 162.4
Std Dev 108

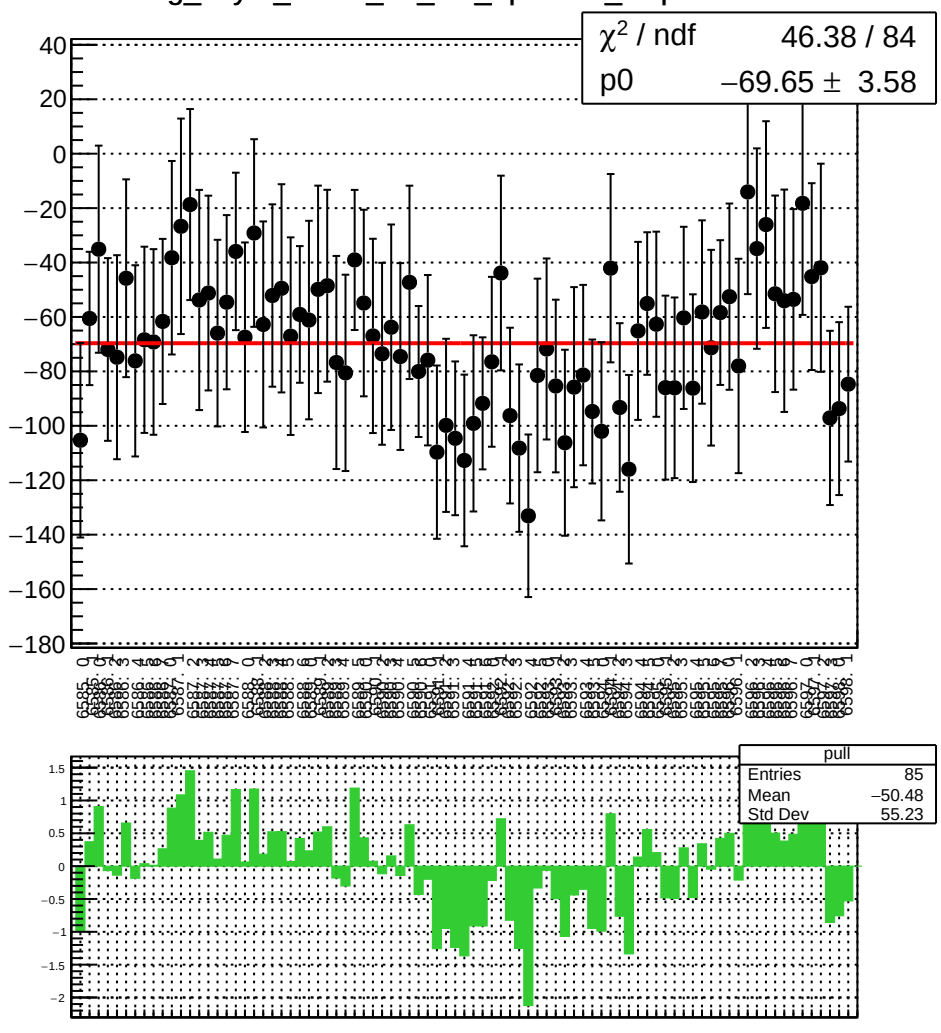

pull1D
Entries 85
Mean −0.009873
Std Dev 0.9849

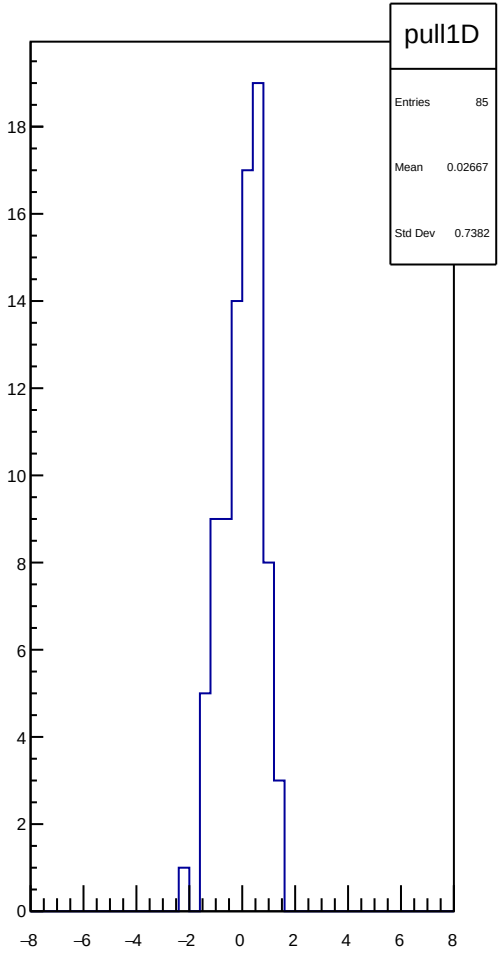

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 61.11 / 84
p0 192.3 ± 4.172
300
250
200
150
100
pull
Entries 85
Mean 144.3
Std Dev 74.94
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

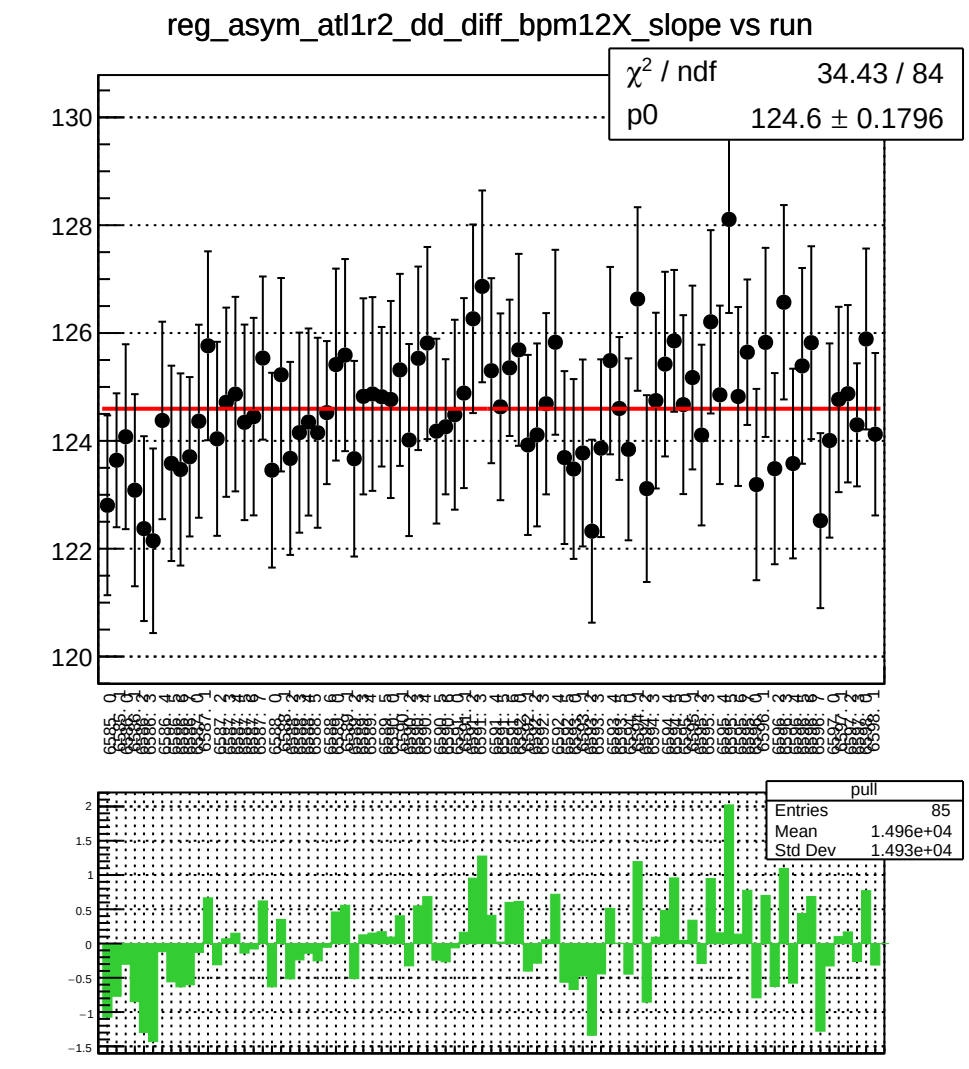

pull1D
Entries 85
Mean 0.03178
Std Dev 0.8473
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

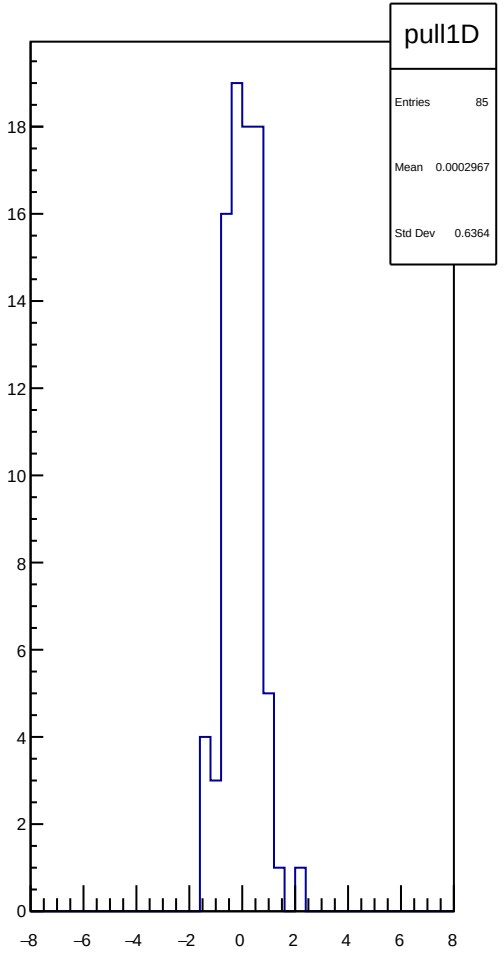

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.94 / 84
p0 0.4719 ± 2.975
pull
Entries 85
Mean −68.8
Std Dev 77.18
pull1D
Entries 85
Mean −0.019
Std Dev 0.659

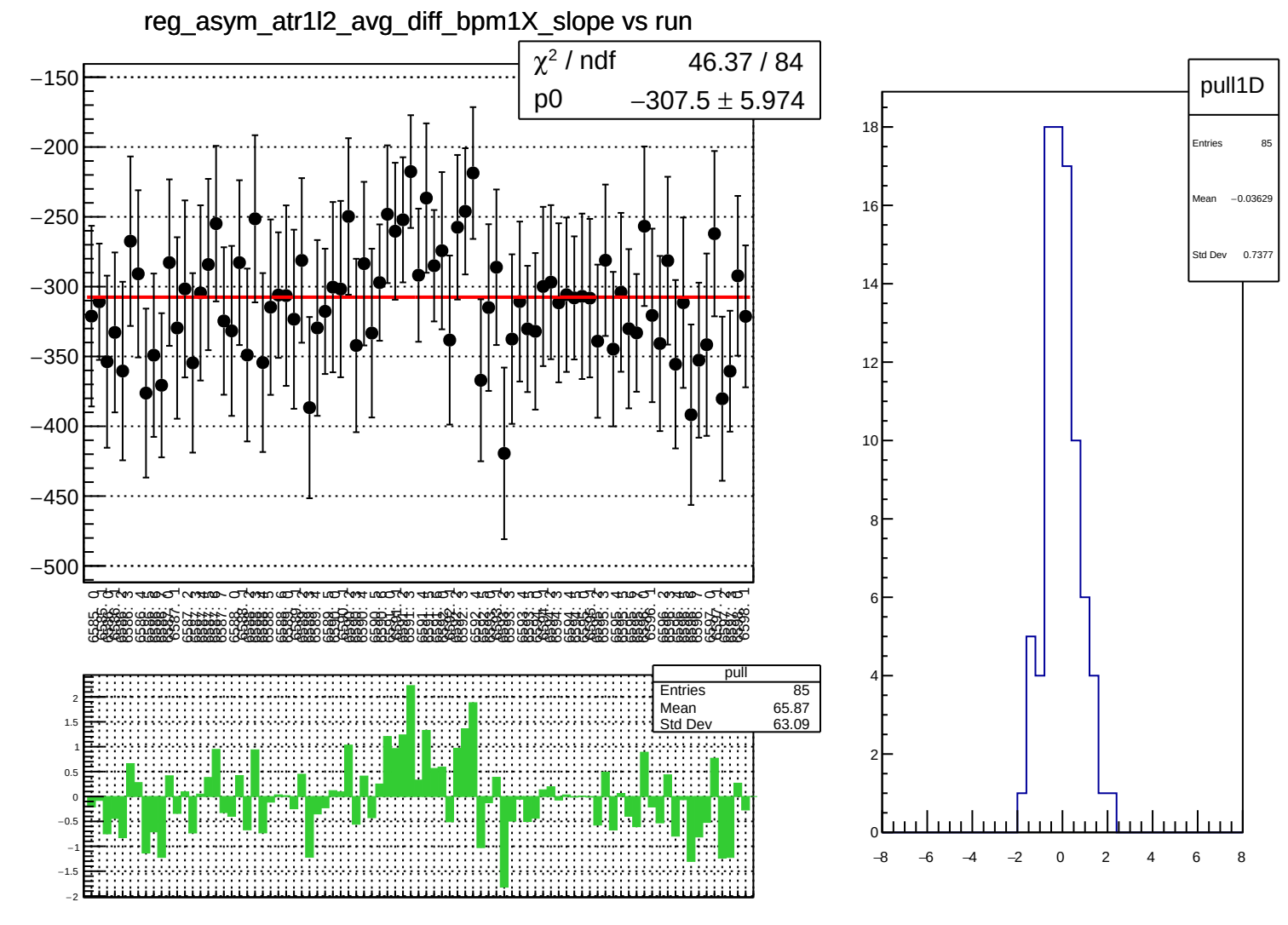

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.94 / 84
p0 −243.4 ± 4.435
−150
−200
−250
−300
−350
pull
Entries 85
Mean 142.4
Std Dev 73.91
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 85
Mean −0.03512
Std Dev 0.8598
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

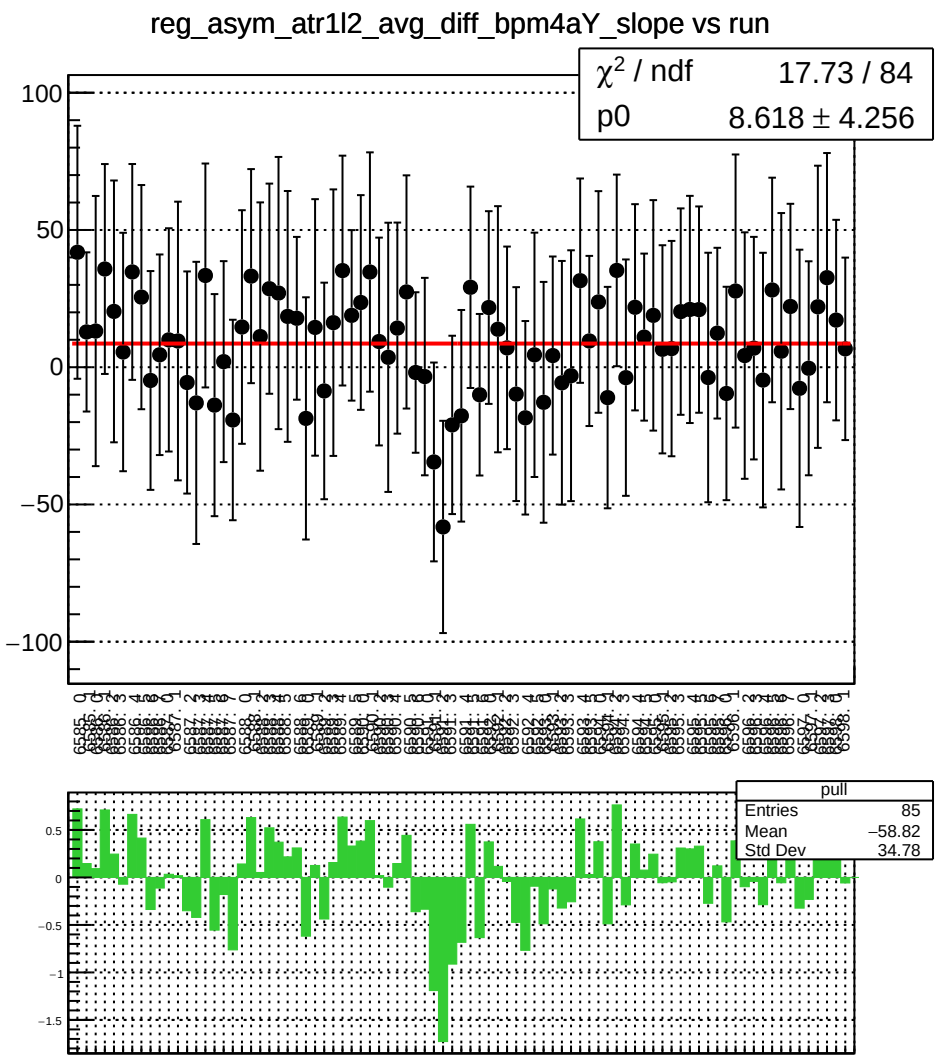

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.38 / 84
p0 −69.65 ± 3.58
pull
Entries 85
Mean −50.48
Std Dev 55.23

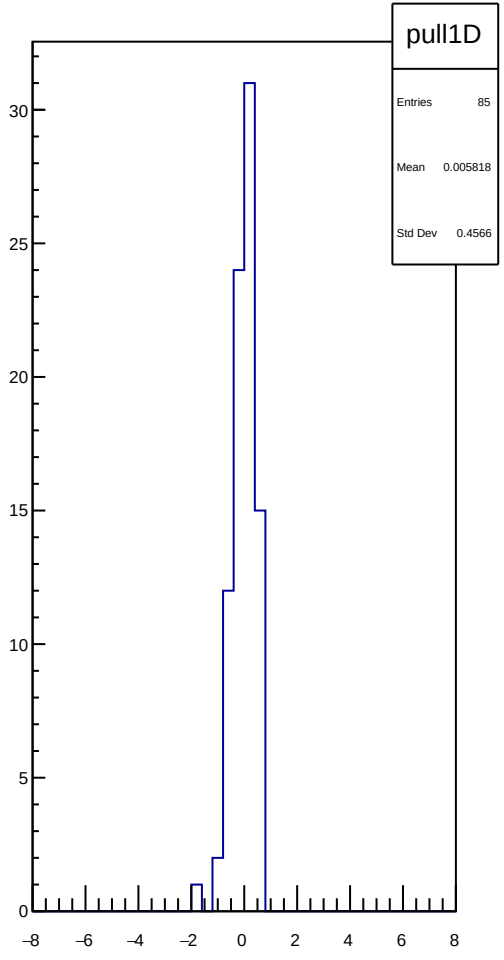

pull1D
Entries 85
Mean 0.02667
Std Dev 0.7382

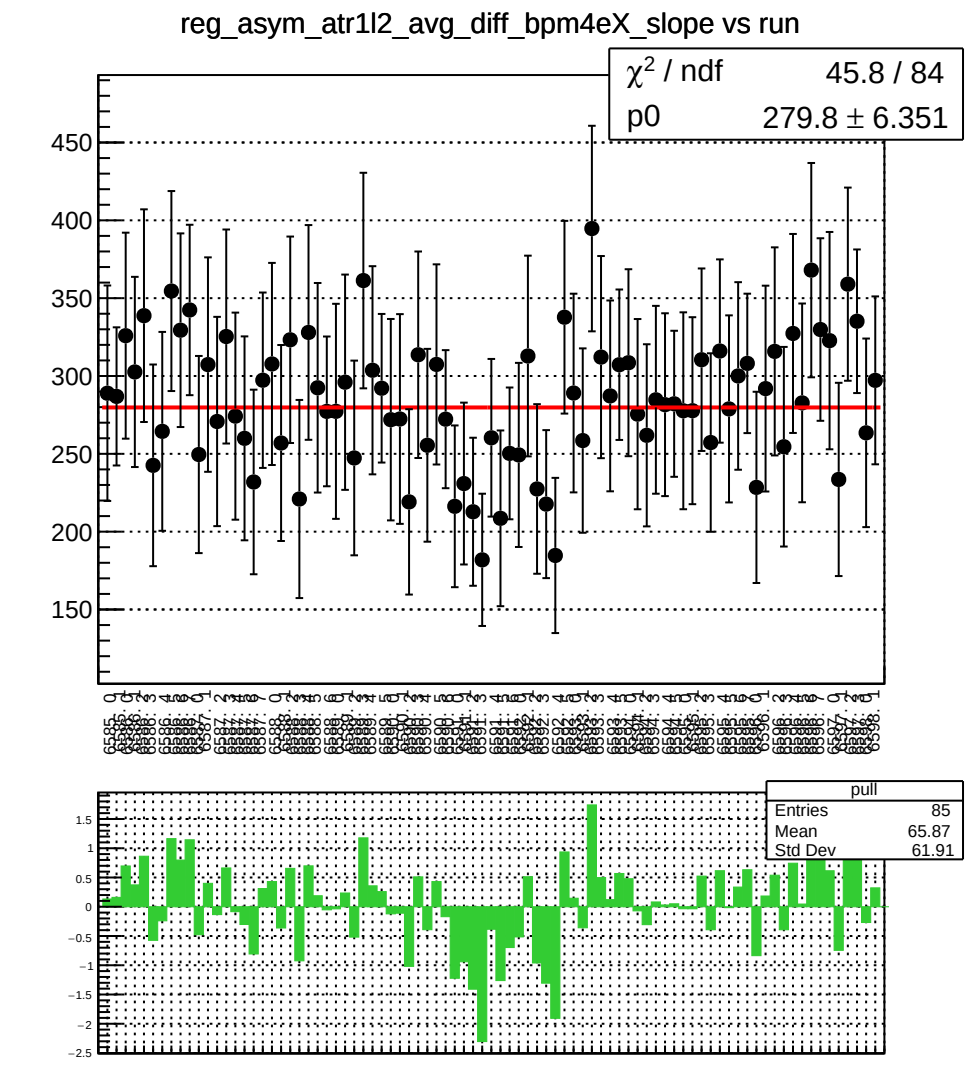

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 34.43 / 84
p0 124.6 ± 0.1796
130
128
126
124
122
120
pull
Entries 85
Mean 1.496e+04
Std Dev 1.493e+04
2
1.5
1
0.5
0
−0.5
−1
−1.5

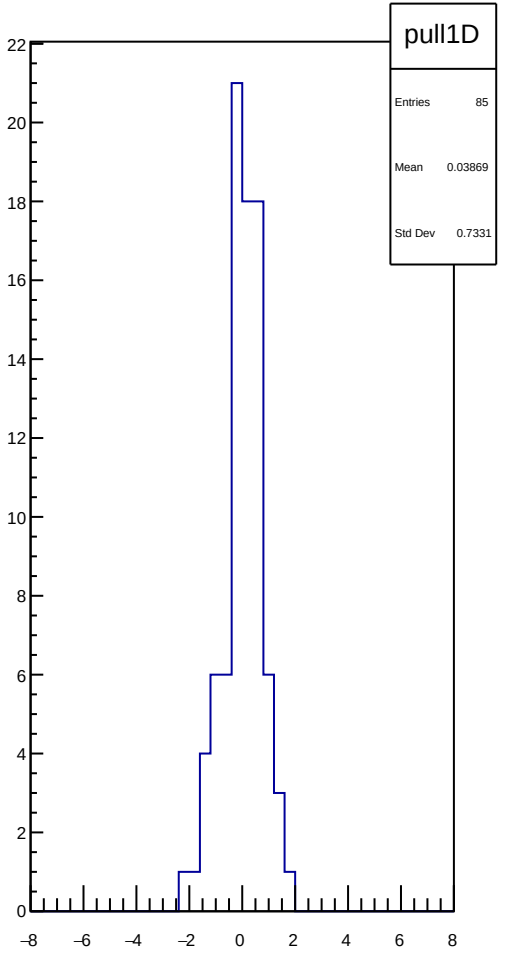

pull1D
Entries 85
Mean 0.0002967
Std Dev 0.6364
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

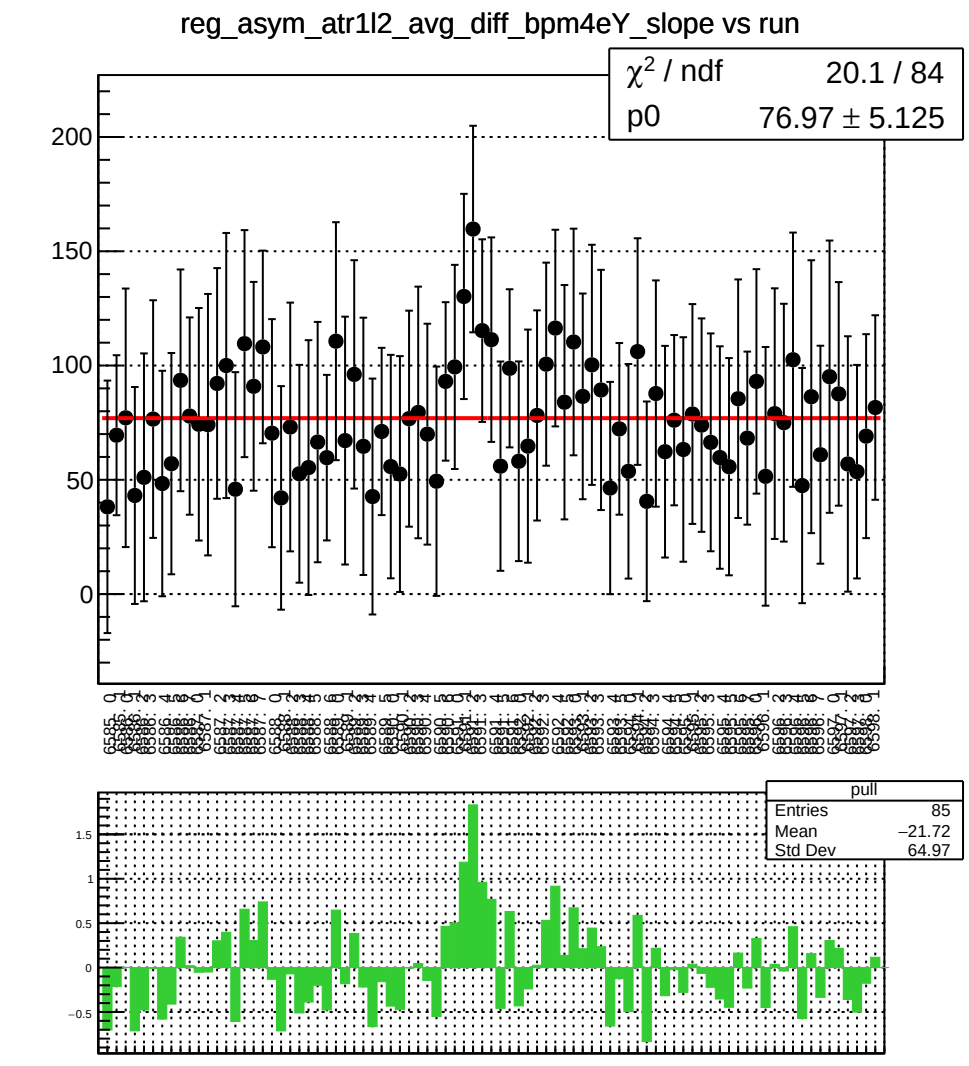

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 46.37 / 84
p0 −307.5 ± 5.974
pull
Entries 85
Mean 65.87
Std Dev 63.09
pull1D
Entries 85
Mean −0.03629
Std Dev 0.7377

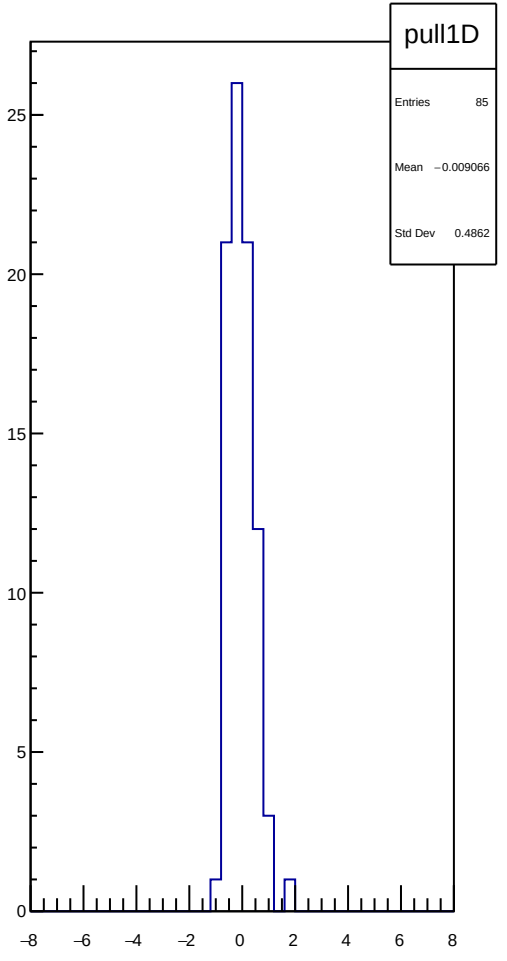

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.73 / 84
p0 8.618 ± 4.256
100
50
0
−50
−100
pull
Entries 85
Mean −58.82
Std Dev 34.78
0.5
0
−0.5
−1
−1.5

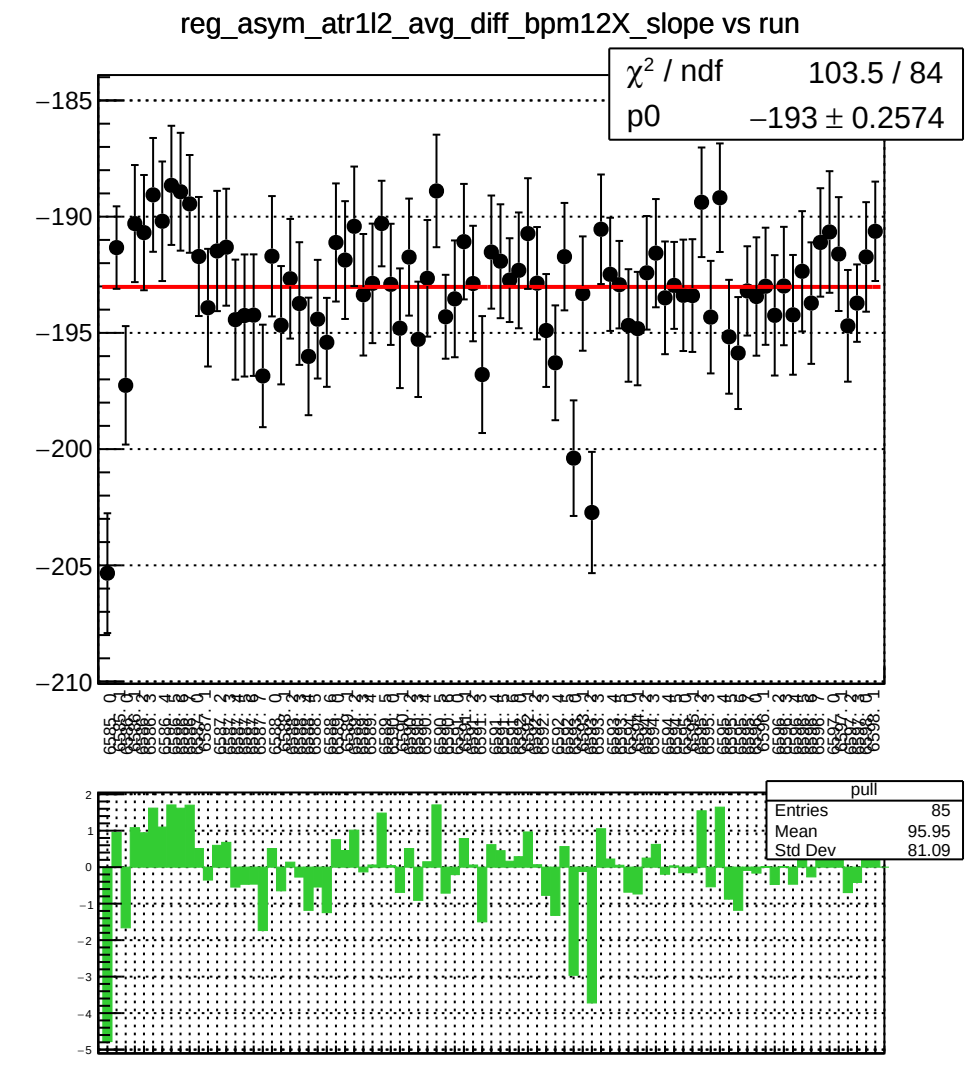

pull1D
Entries 85
Mean 0.005818
Std Dev 0.4566
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

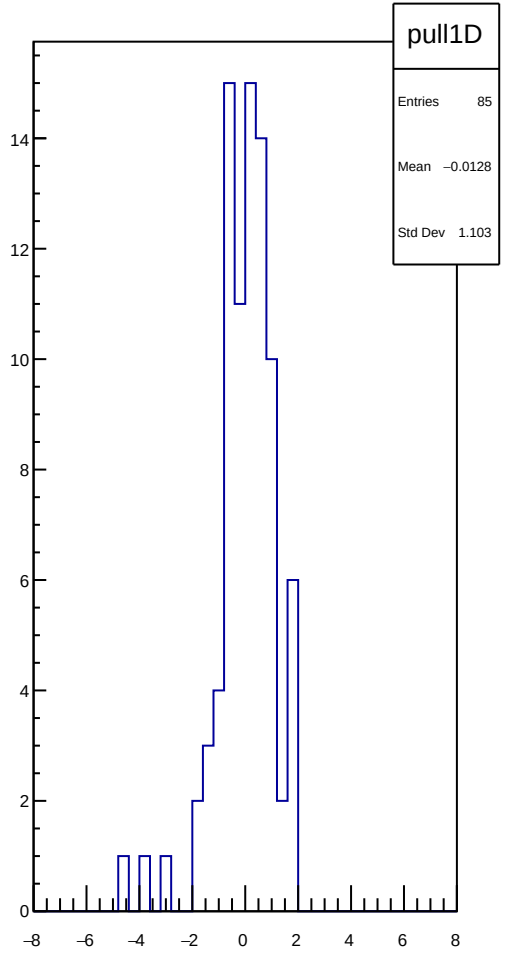

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.8 / 84
p0 279.8 ± 6.351
pull
Entries 85
Mean 65.87
Std Dev 61.91

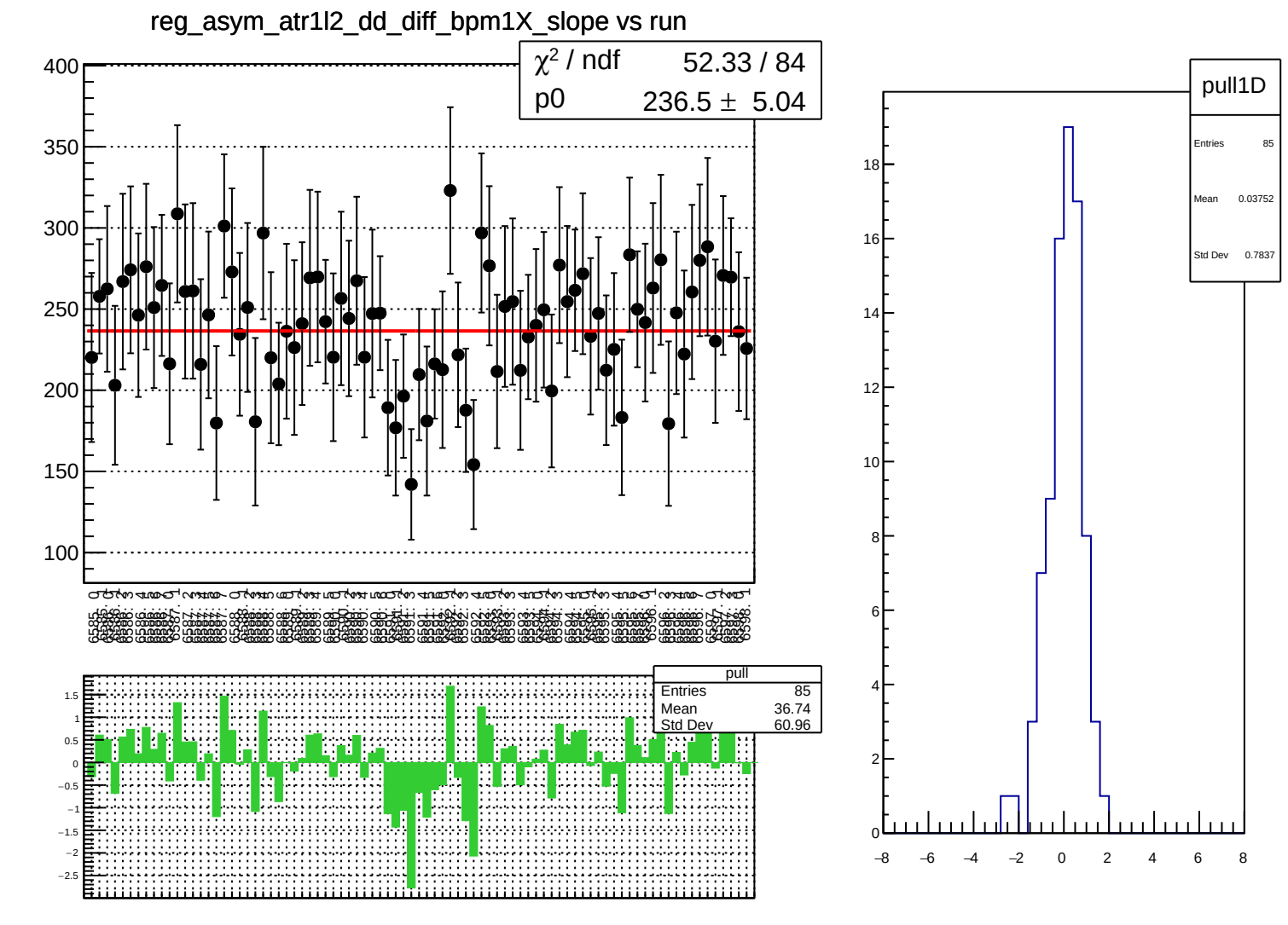

pull1D
Entries 85
Mean 0.03869
Std Dev 0.7331

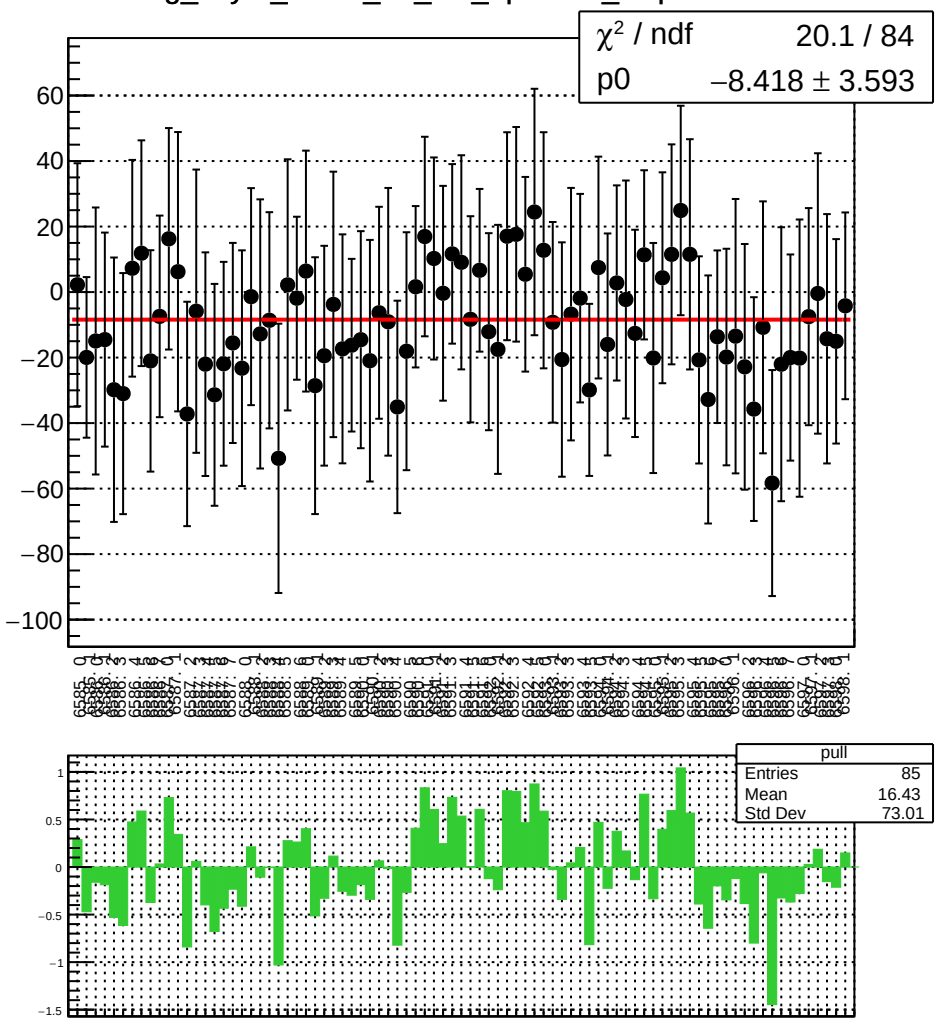

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.1 / 84
p0 76.97 ± 5.125
200
150
100
50
0
pull
Entries 85
Mean −21.72
Std Dev 64.97
1.5
1
0.5
0
−0.5

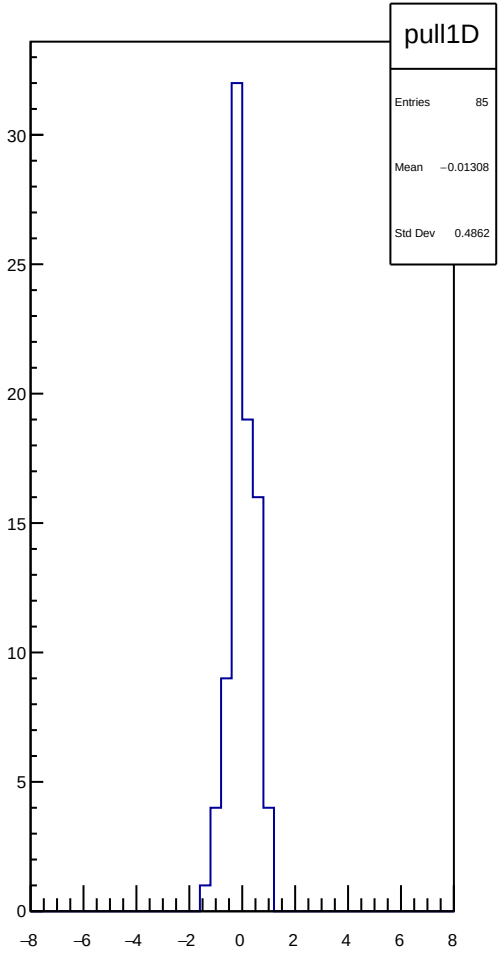

pull1D
Entries 85
Mean −0.009066
Std Dev 0.4862
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

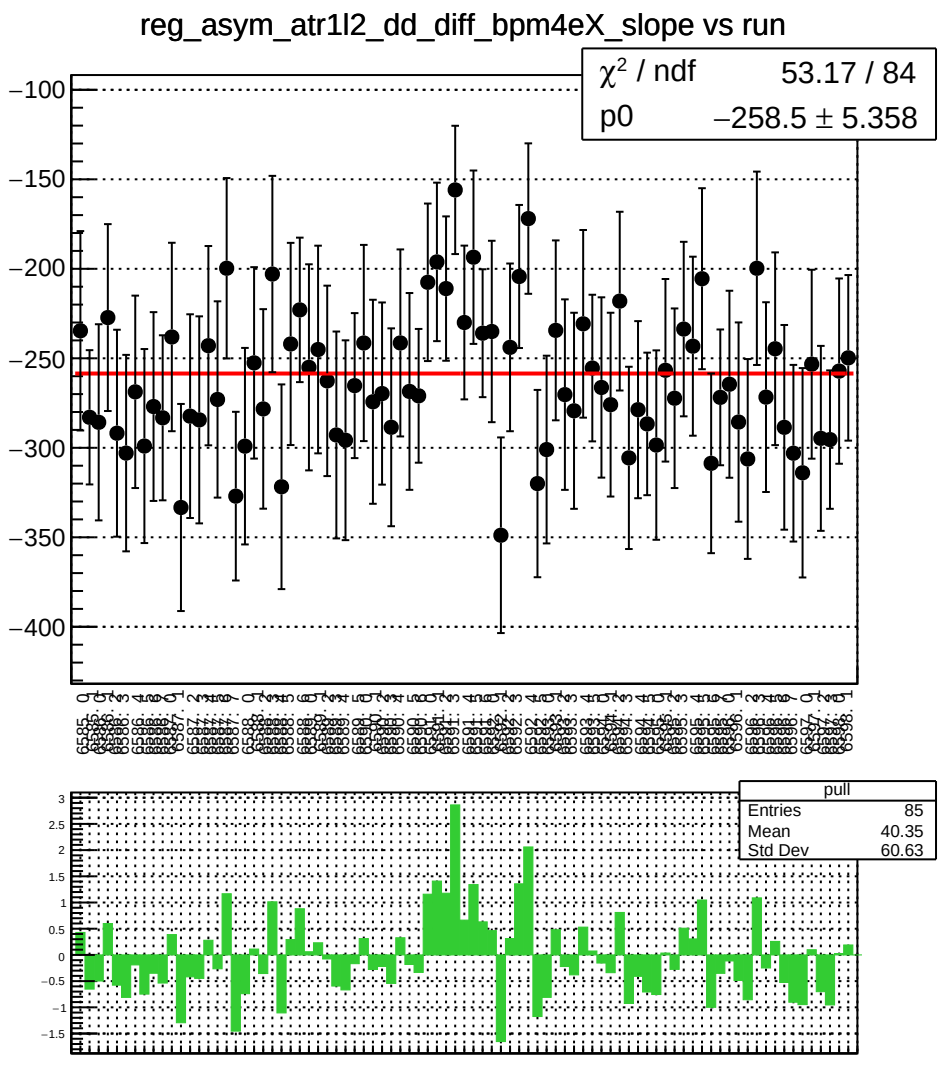

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 103.5 / 84
p0 −193 ± 0.2574
−185
−190
−195
−200
−205
−210
pull
Entries 85
Mean 95.95
Std Dev 81.09
2
1
0
−1
−2
−3
−4
−5

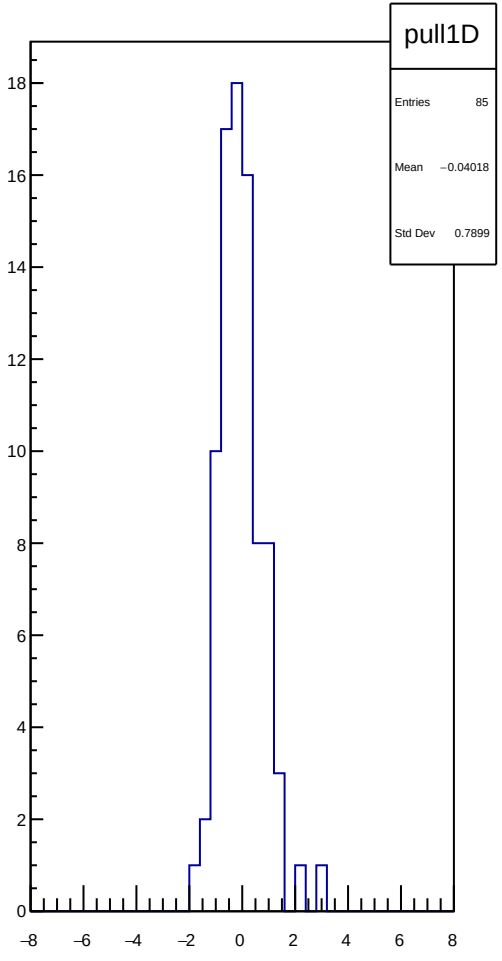

pull1D
Entries 85
Mean −0.0128
Std Dev 1.103
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

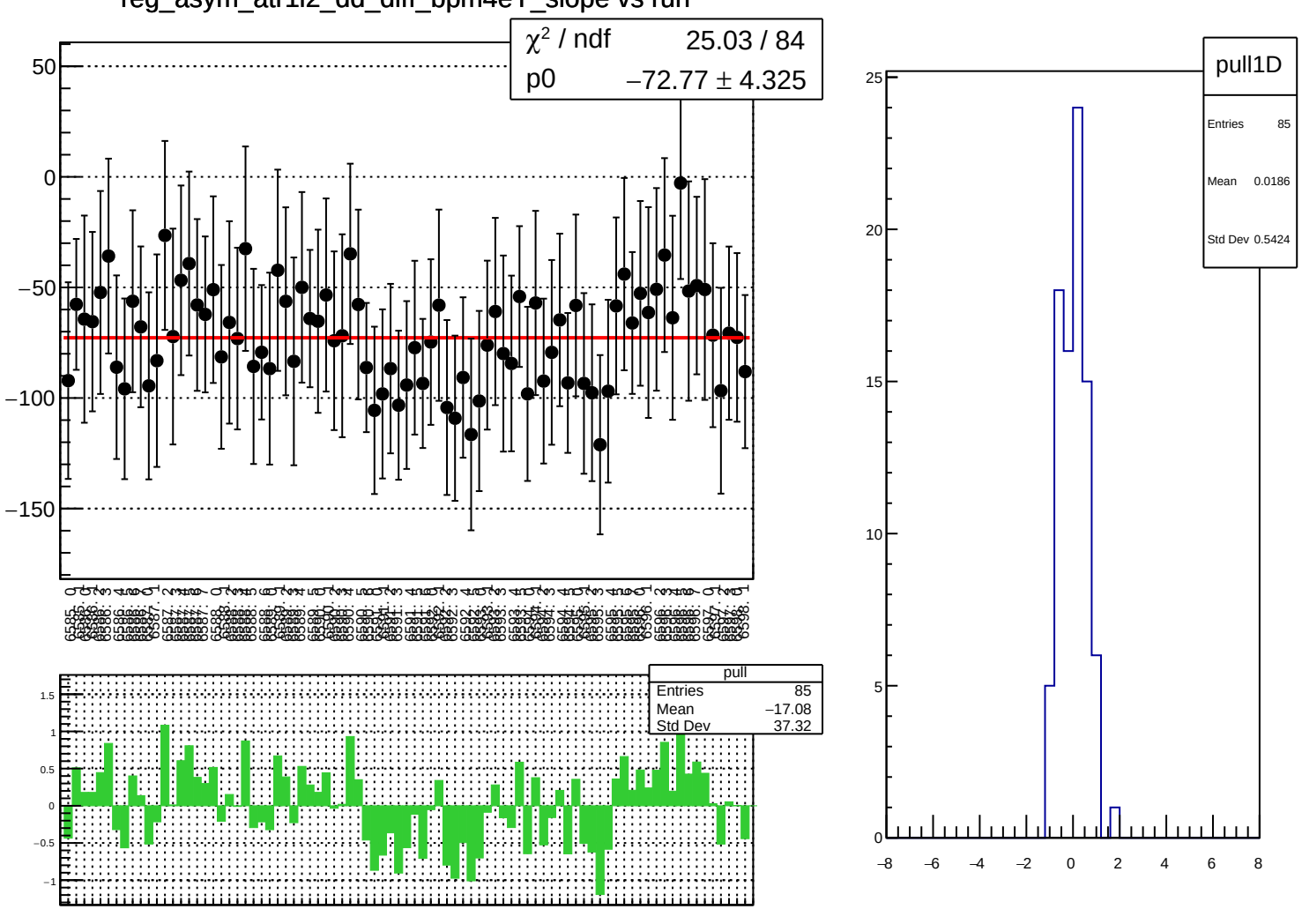

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 52.33 / 84
p0 236.5 ± 5.04
pull
Entries 85
Mean 36.74
Std Dev 60.96
pull1D
Entries 85
Mean 0.03752
Std Dev 0.7837

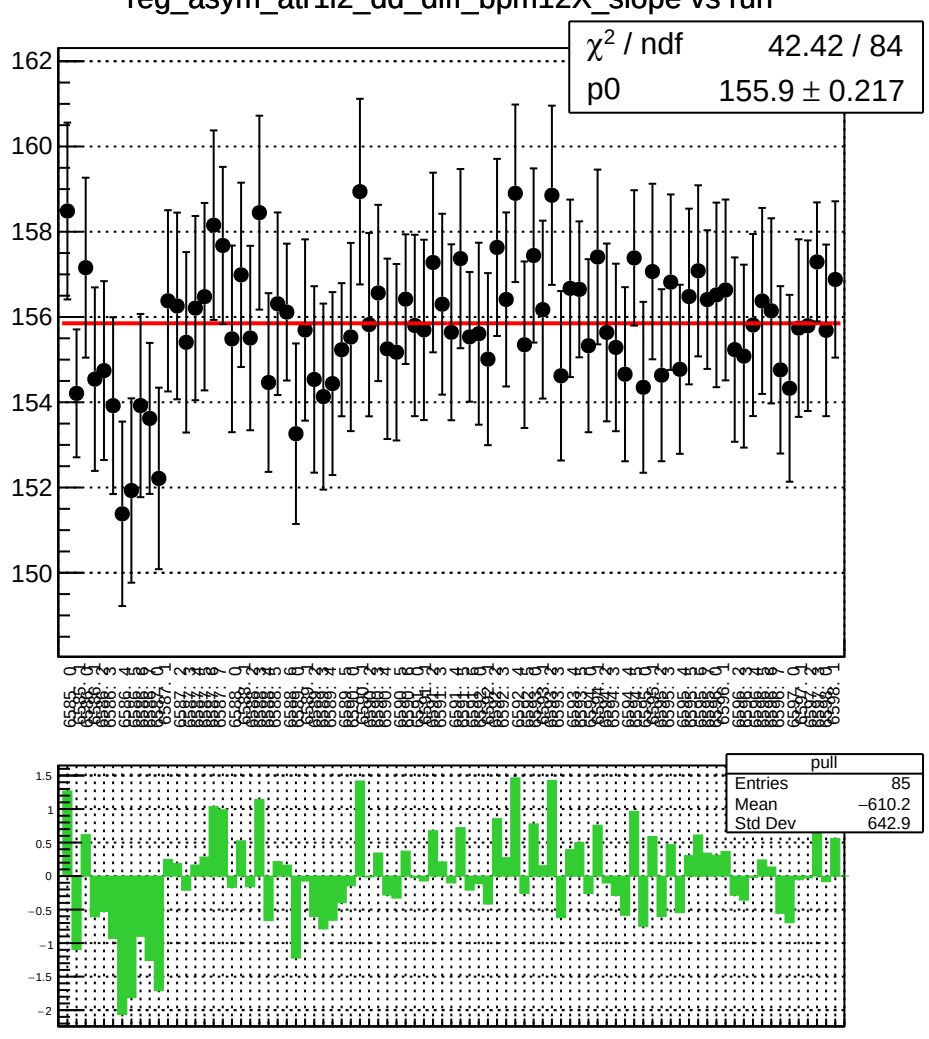

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.1 / 84
p0 −8.418 ± 3.593
pull
Entries 85
Mean 16.43
Std Dev 73.01

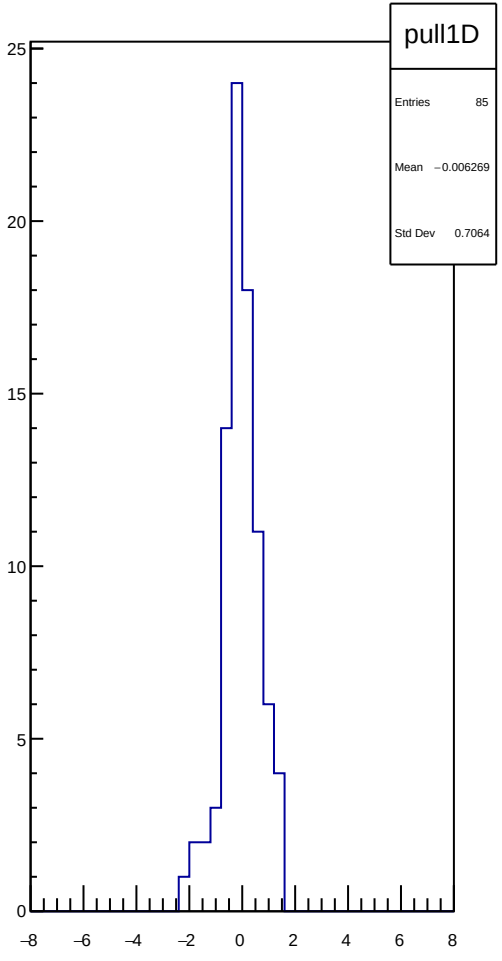

pull1D
Entries 85
Mean −0.01308
Std Dev 0.4862

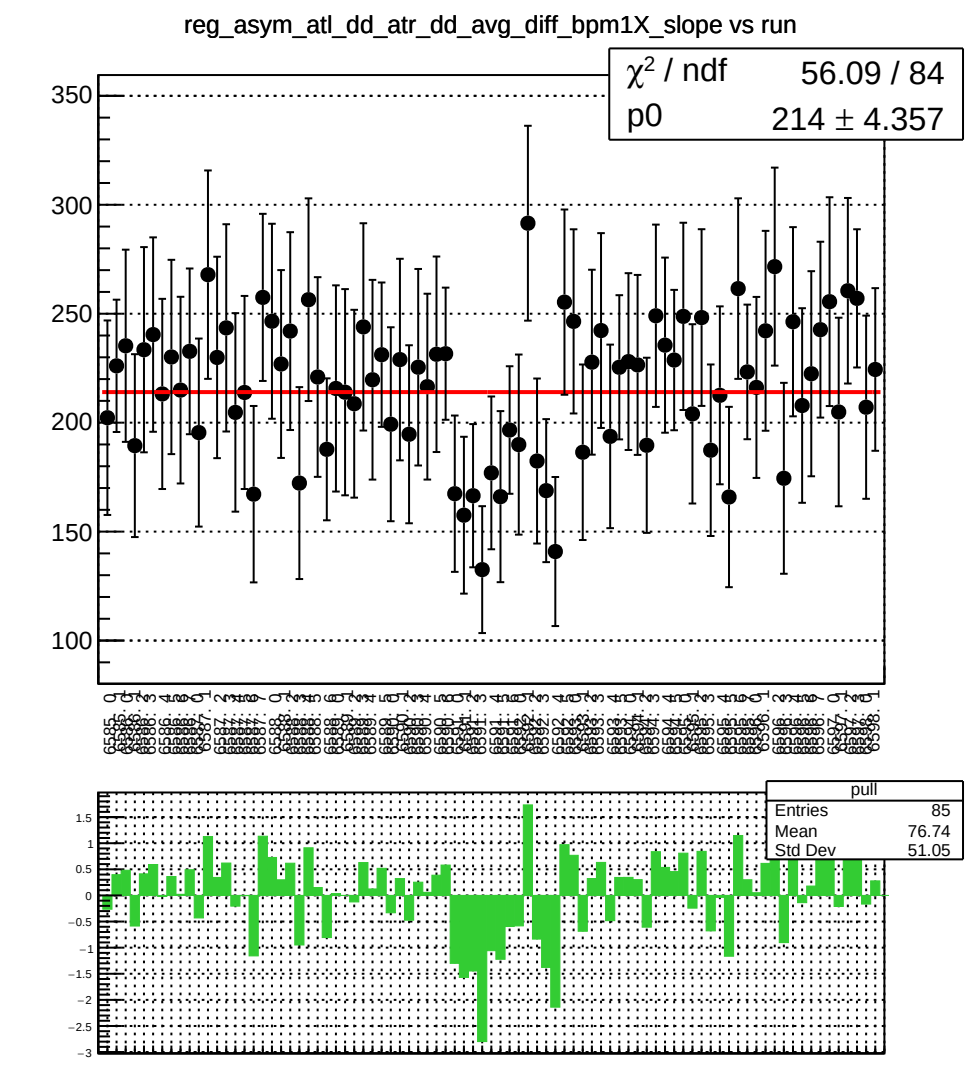

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 53.17 / 84
p0 −258.5 ± 5.358
pull
Entries 85
Mean 40.35
Std Dev 60.63

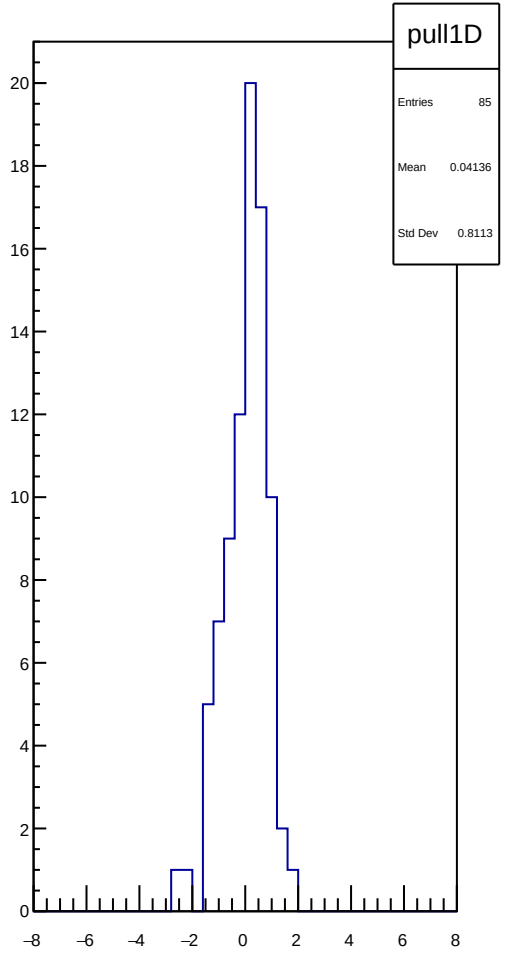

pull1D
Entries 85
Mean −0.04018
Std Dev 0.7899

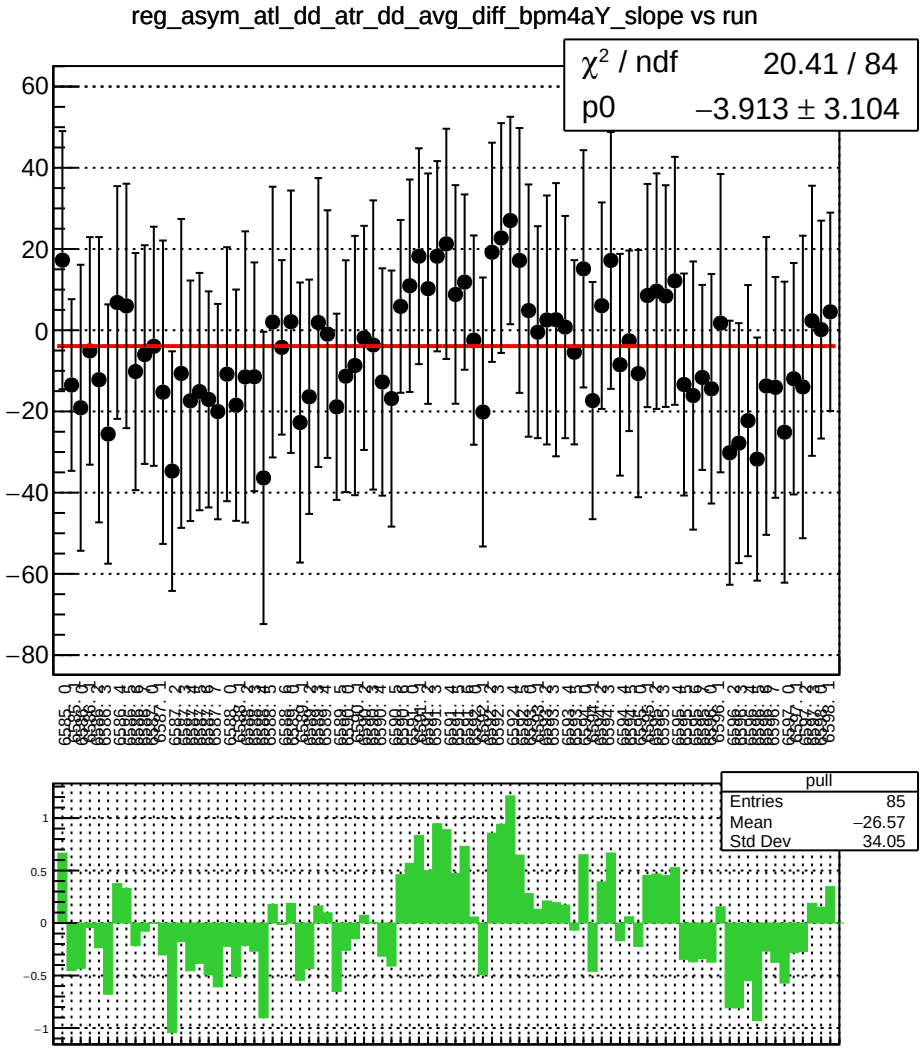

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.03 / 84
p0 −72.77 ± 4.325
50
0
−50
−100
−150
pull
Entries 85
Mean −17.08
Std Dev 37.32
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean 0.0186
Std Dev 0.5424
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

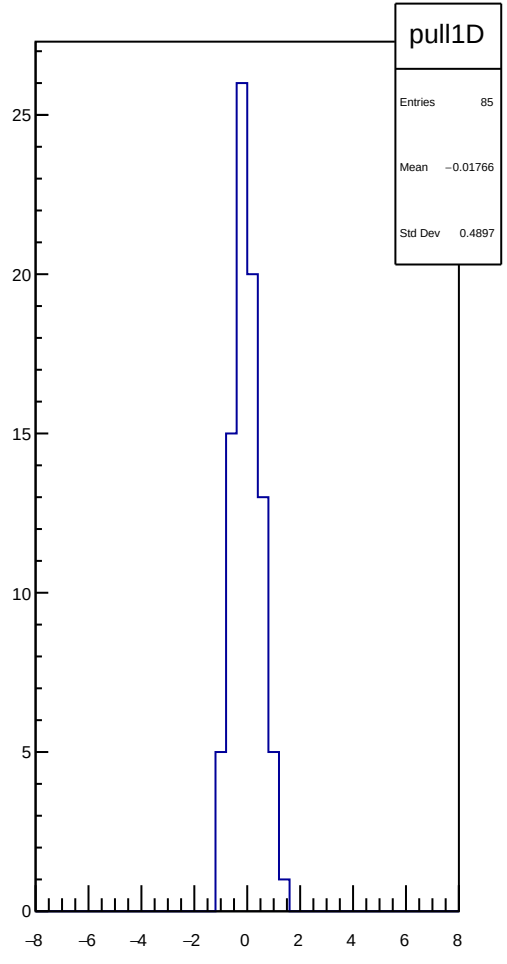

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 42.42 / 84
p0 155.9 ± 0.217
pull
Entries 85
Mean −610.2
Std Dev 642.9

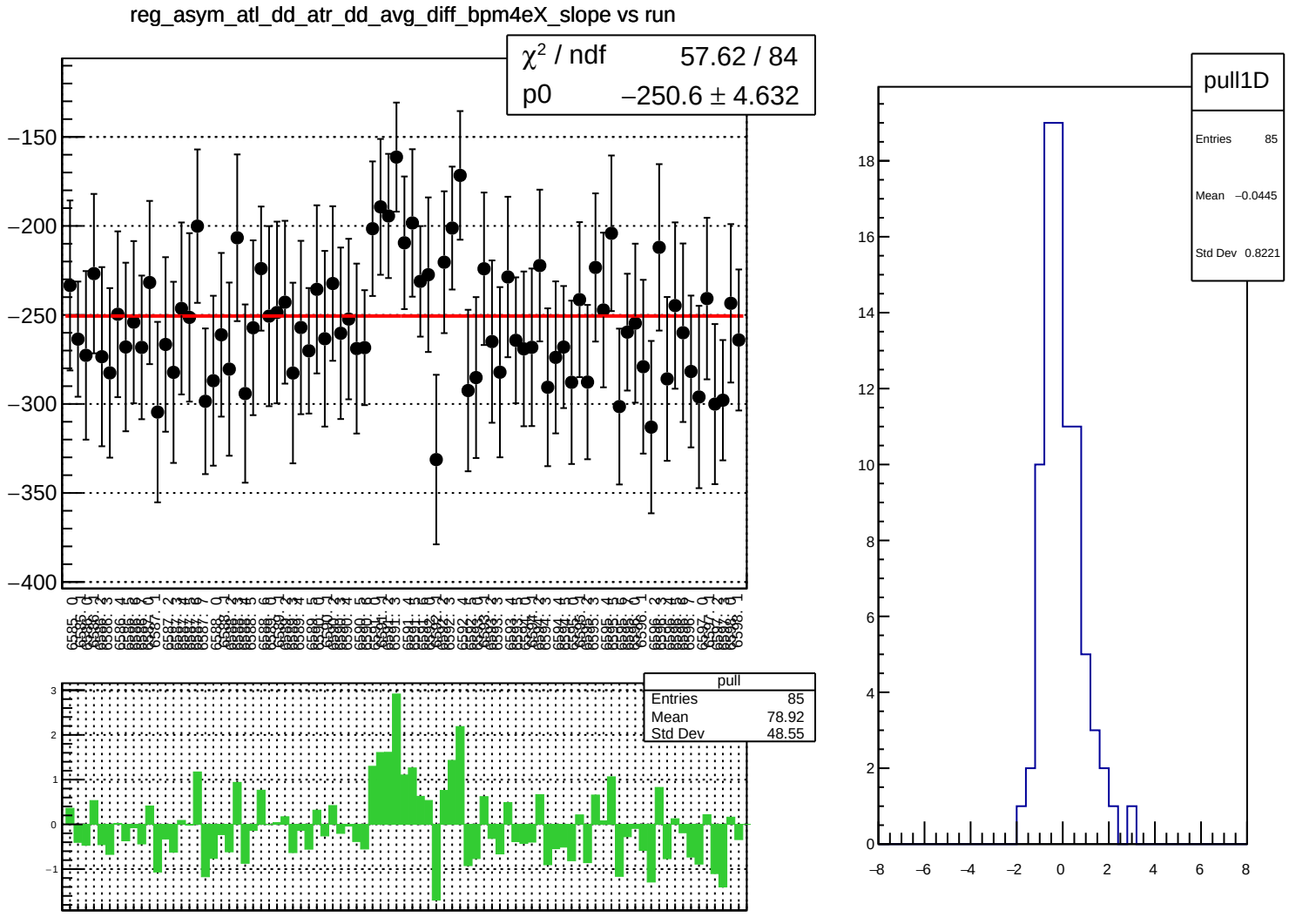

pull1D
Entries 85
Mean −0.006269
Std Dev 0.7064

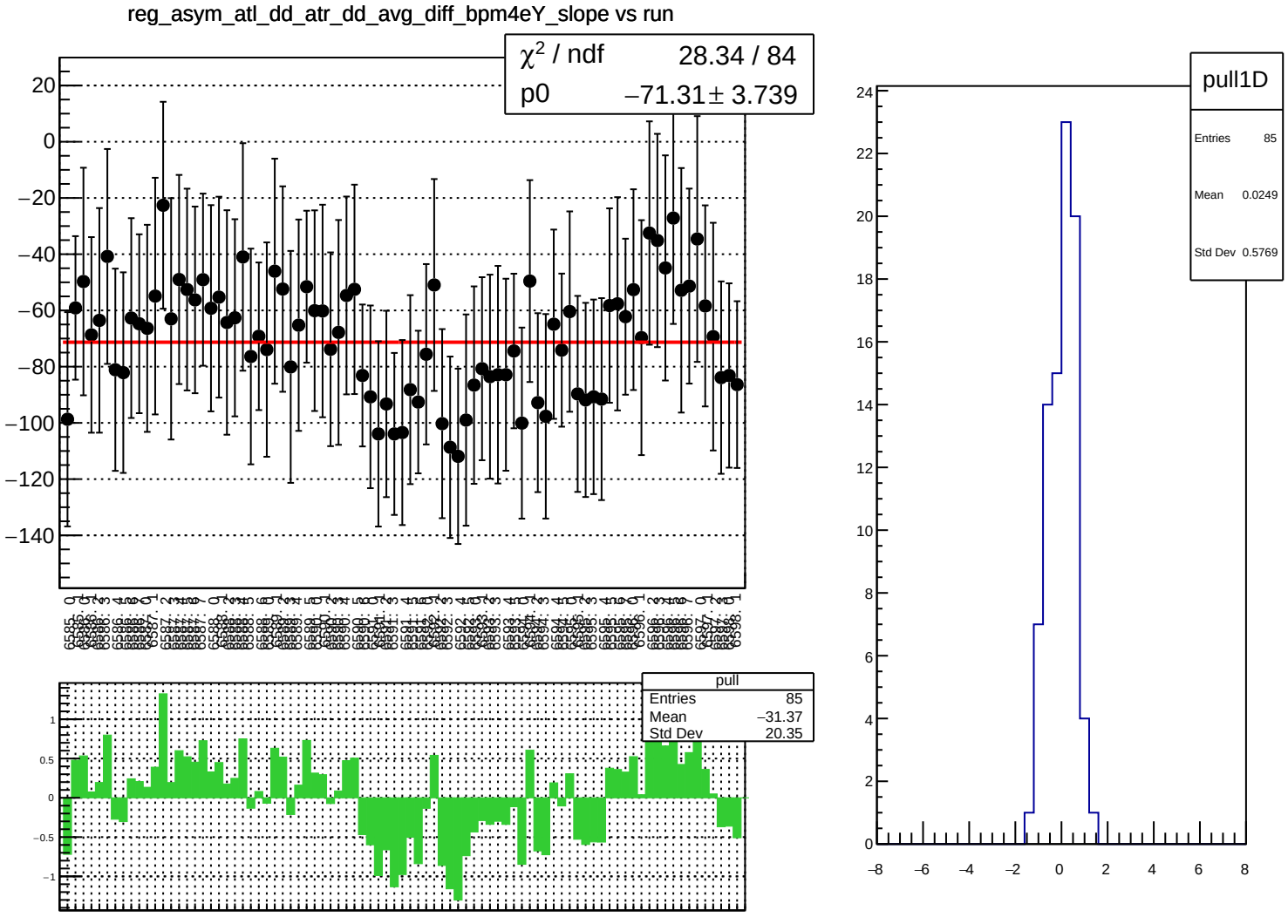

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 56.09 / 84
p0 214 ± 4.357
350
300
250
200
150
100
pull
Entries 85
Mean 76.74
Std Dev 51.05
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

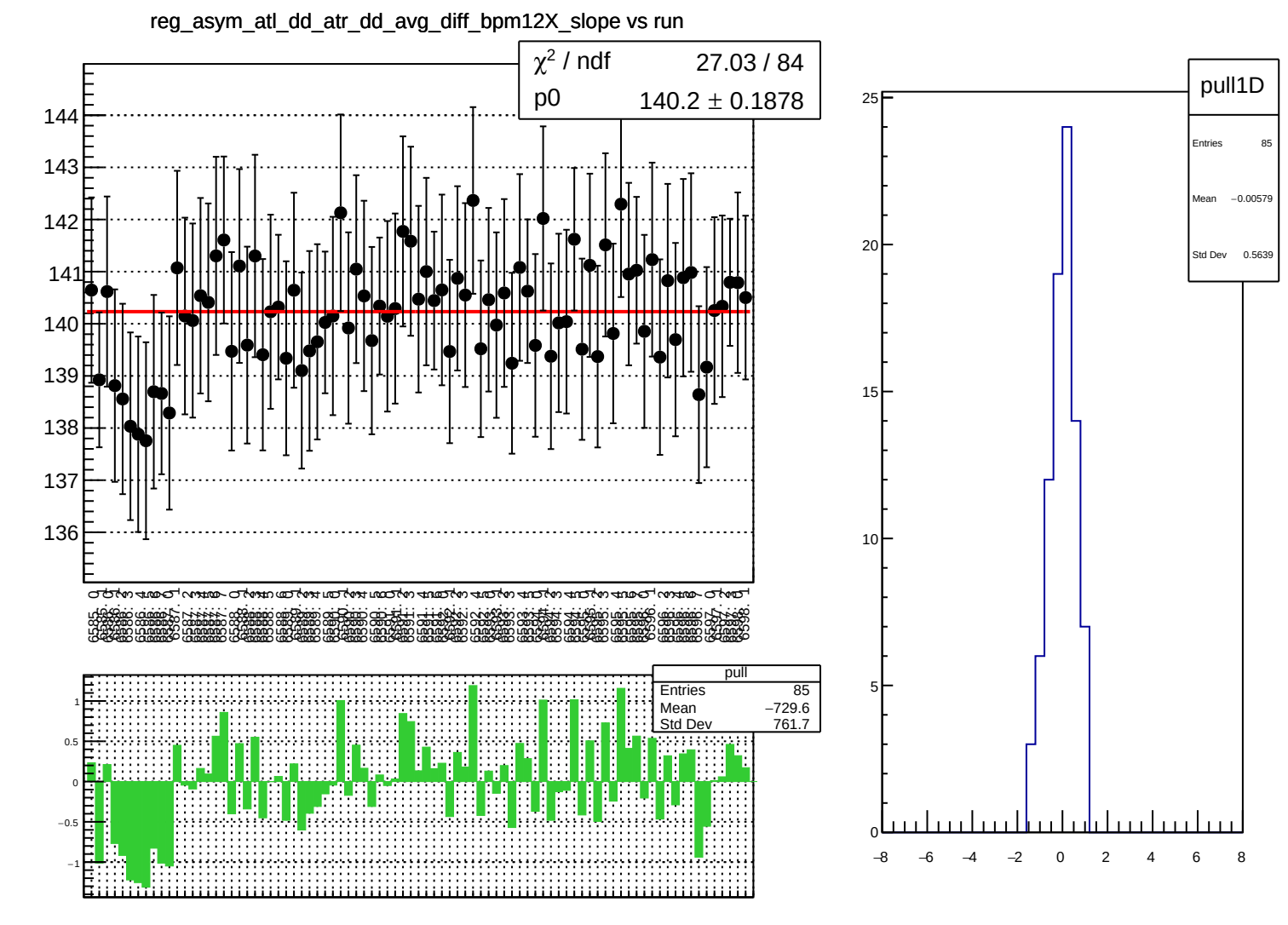

pull1D
Entries 85
Mean 0.04136
Std Dev 0.8113
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

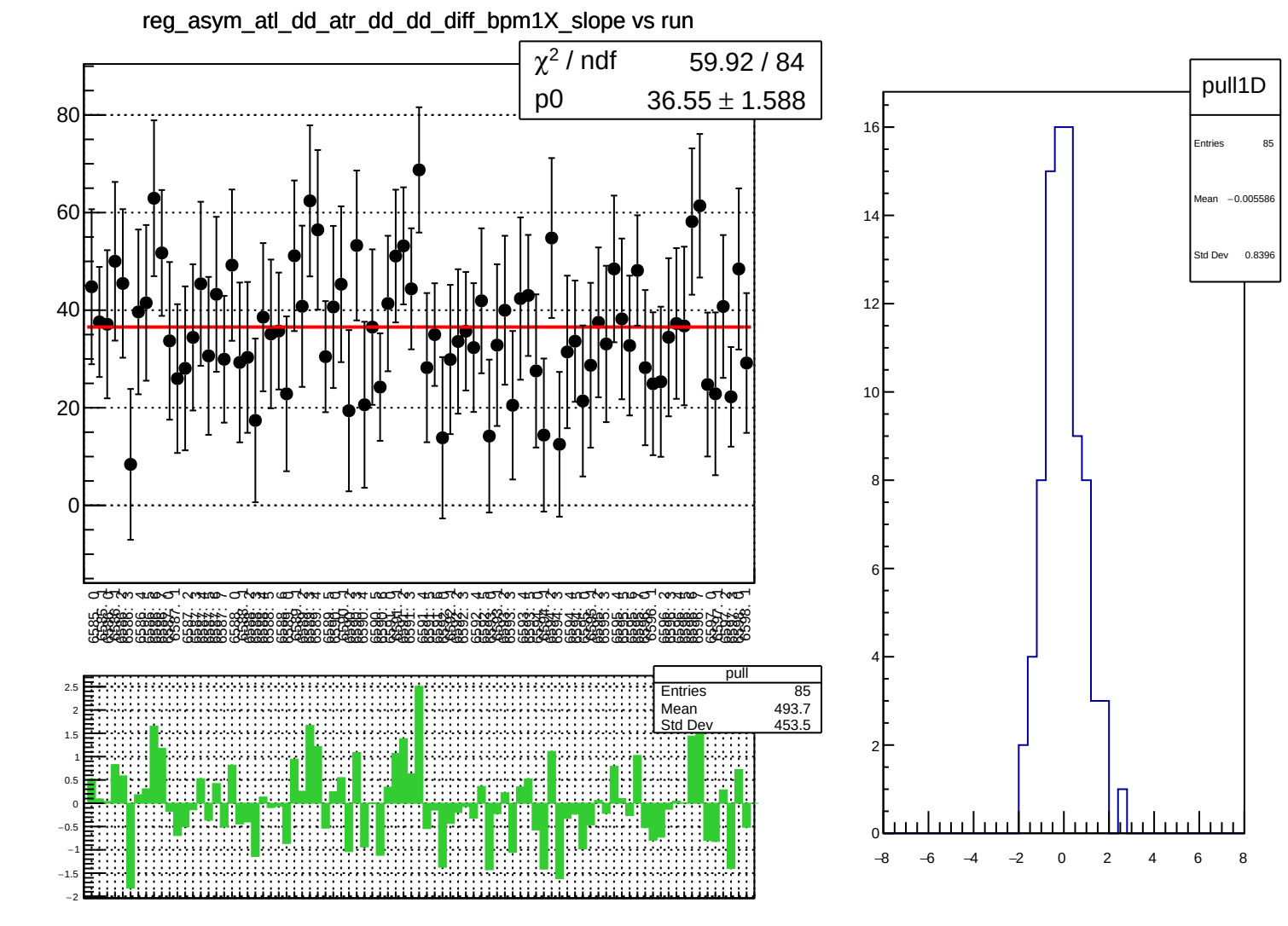

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.41 / 84
p0 −3.913 ± 3.104
pull
Entries 85
Mean −26.57
Std Dev 34.05

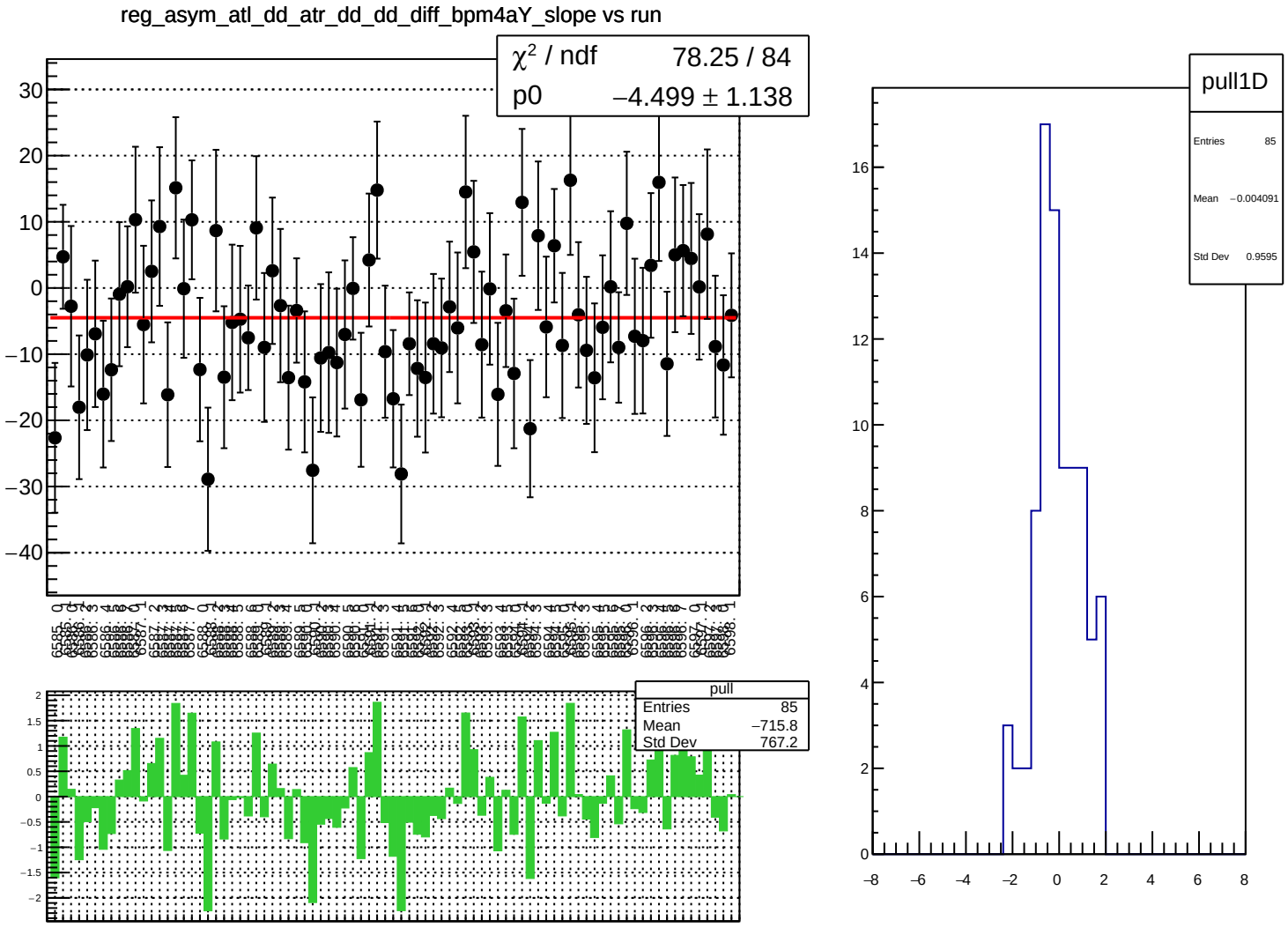

pull1D
Entries 85
Mean −0.01766
Std Dev 0.4897

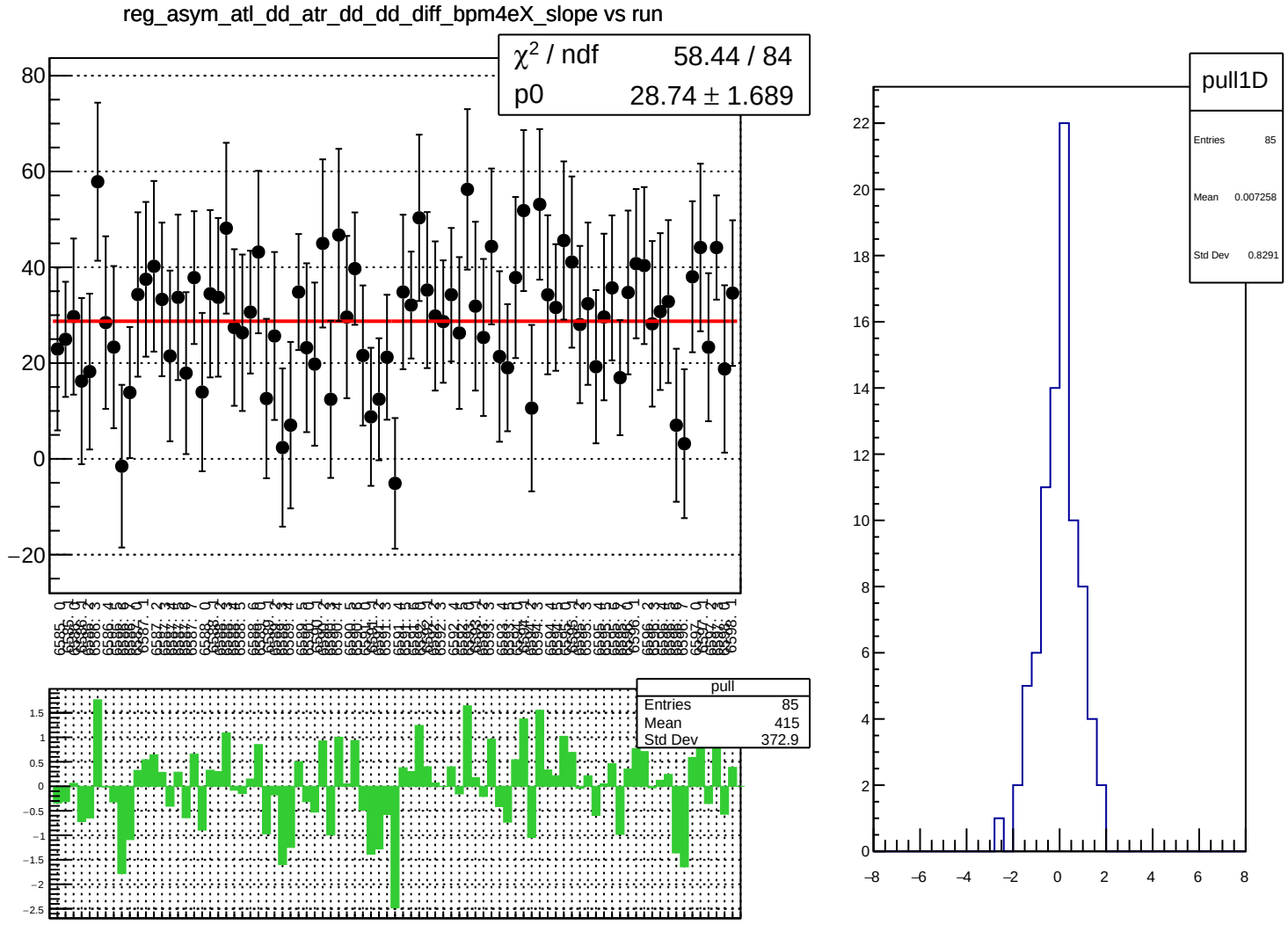

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 57.62 / 84
p0 −250.6 ± 4.632
−150
−200
−250
−300
−350
−400
pull
Entries 85
Mean 78.92
Std Dev 48.55
3
2
1
0
−1
pull1D
Entries 85
Mean −0.0445
Std Dev 0.8221
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

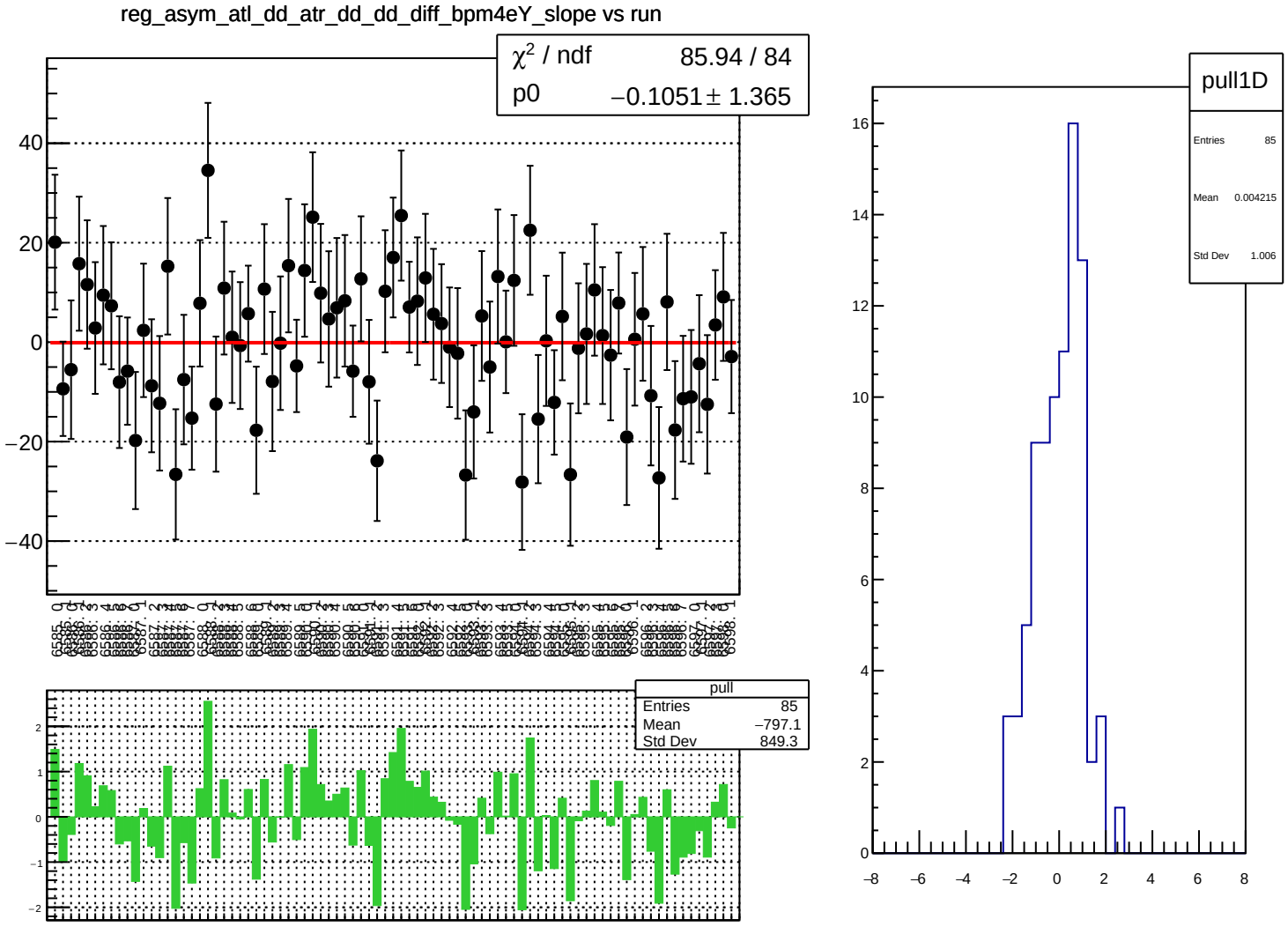

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.34 / 84
p0 −71.31 ± 3.739
pull
Entries 85
Mean −31.37
Std Dev 20.35
pull1D
Entries 85
Mean 0.0249
Std Dev 0.5769

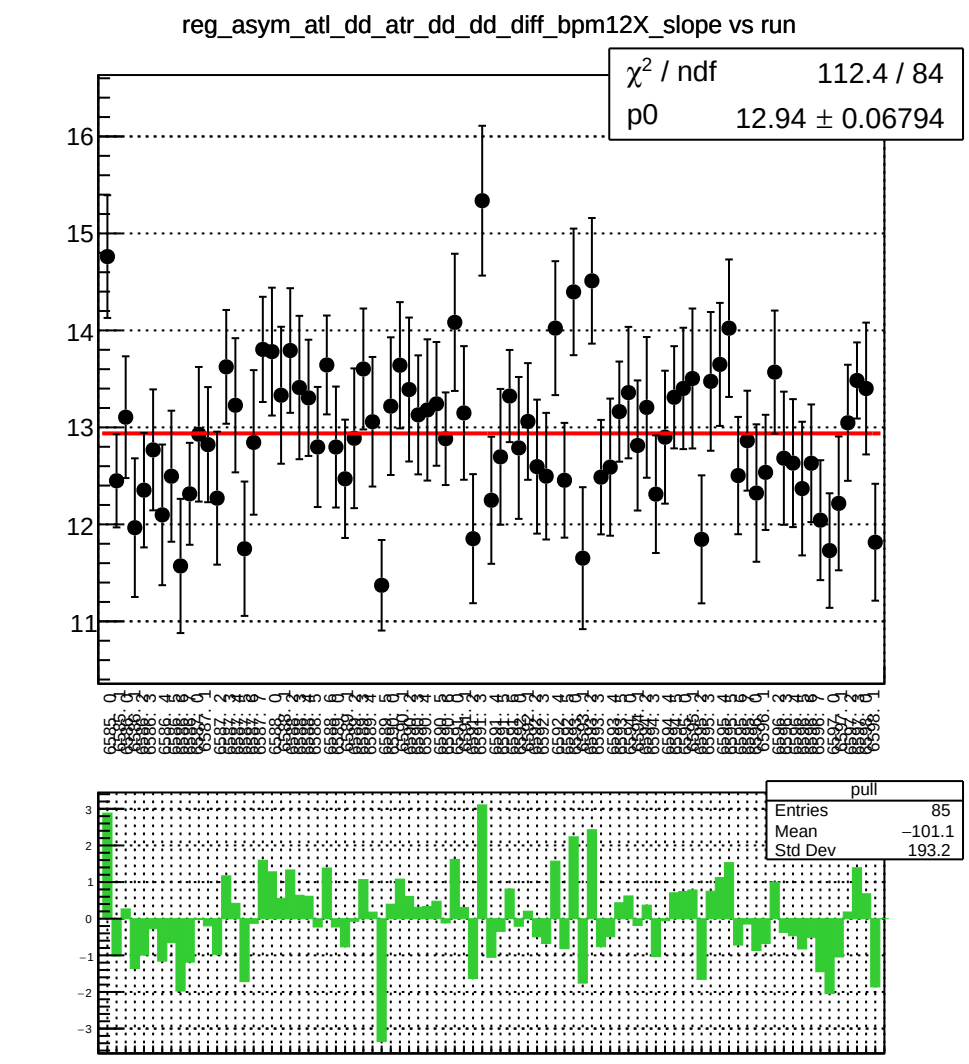

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 27.03 / 84
p0 140.2 ± 0.1878
144
143
142
141
140
139
138
137
136
pull
Entries 85
Mean −729.6
Std Dev 761.7
1
0.5
0
−0.5
−1
pull1D
Entries 85
Mean −0.00579
Std Dev 0.5639
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

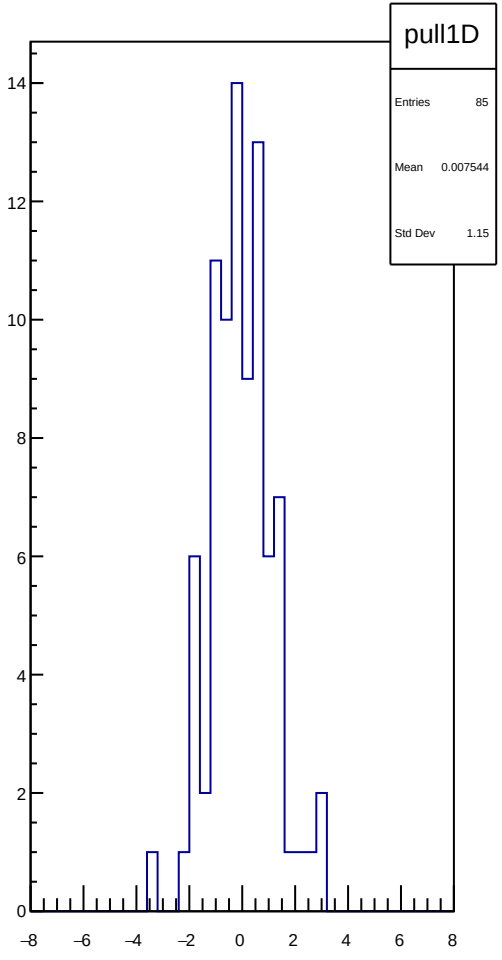

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 59.92 / 84
p0 36.55 ± 1.588
pull
Entries 85
Mean 493.7
Std Dev 453.5
pull1D
Entries 85
Mean −0.005586
Std Dev 0.8396

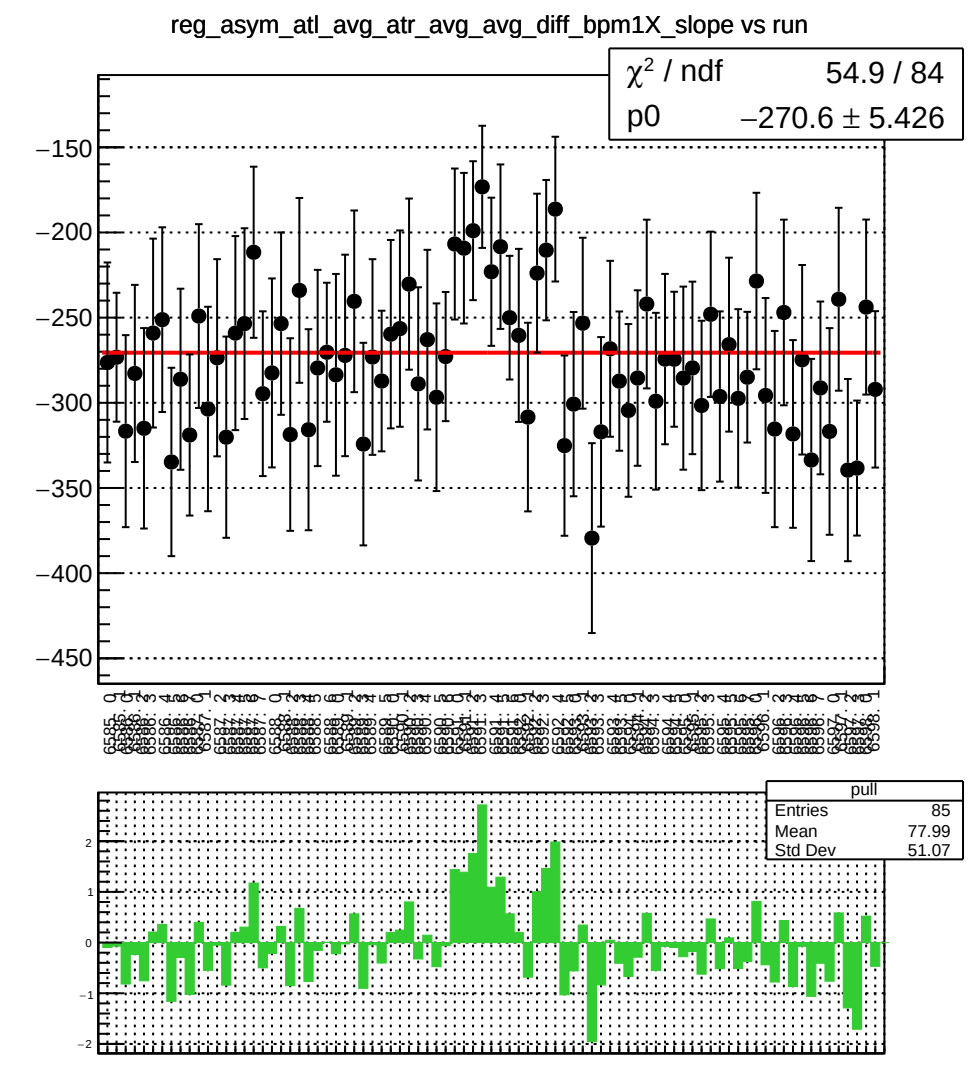

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 78.25 / 84
p0 −4.499 ± 1.138
pull
Entries 85
Mean −715.8
Std Dev 767.2
pull1D
Entries 85
Mean −0.004091
Std Dev 0.9595

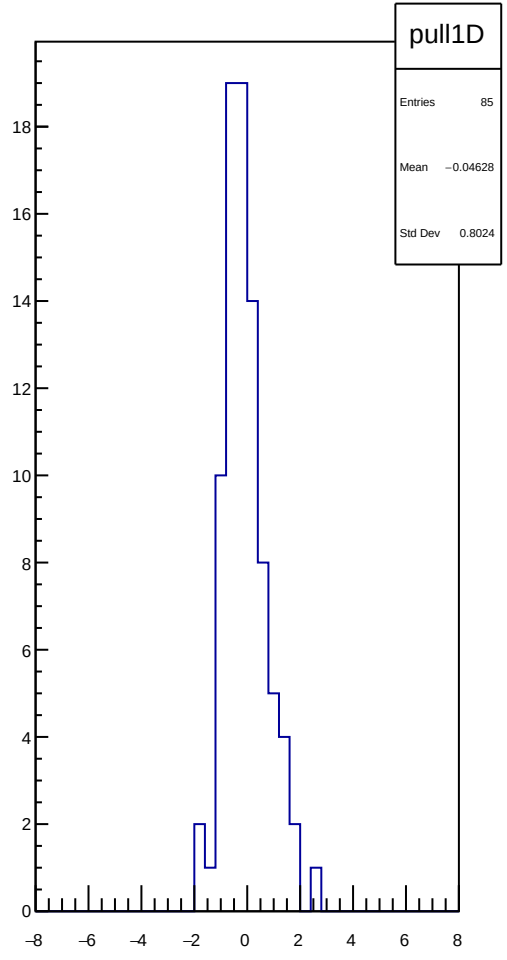

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 58.44 / 84
p0 28.74 ± 1.689
pull
Entries 85
Mean 415
Std Dev 372.9
pull1D
Entries 85
Mean 0.007258
Std Dev 0.8291

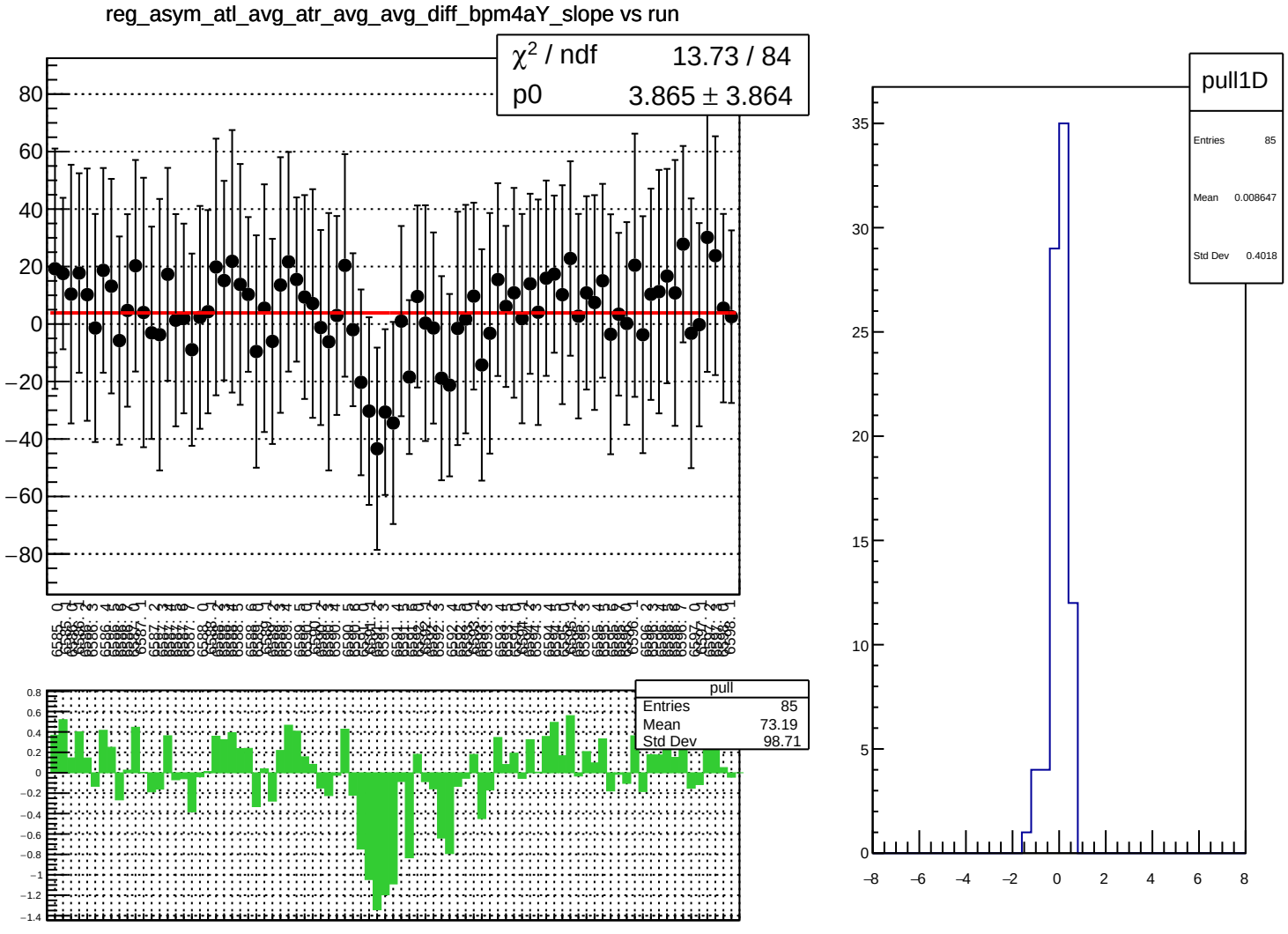

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 85.94 / 84
p0 −0.1051 ± 1.365
pull
Entries 85
Mean −797.1
Std Dev 849.3
pull1D
Entries 85
Mean 0.004215
Std Dev 1.006

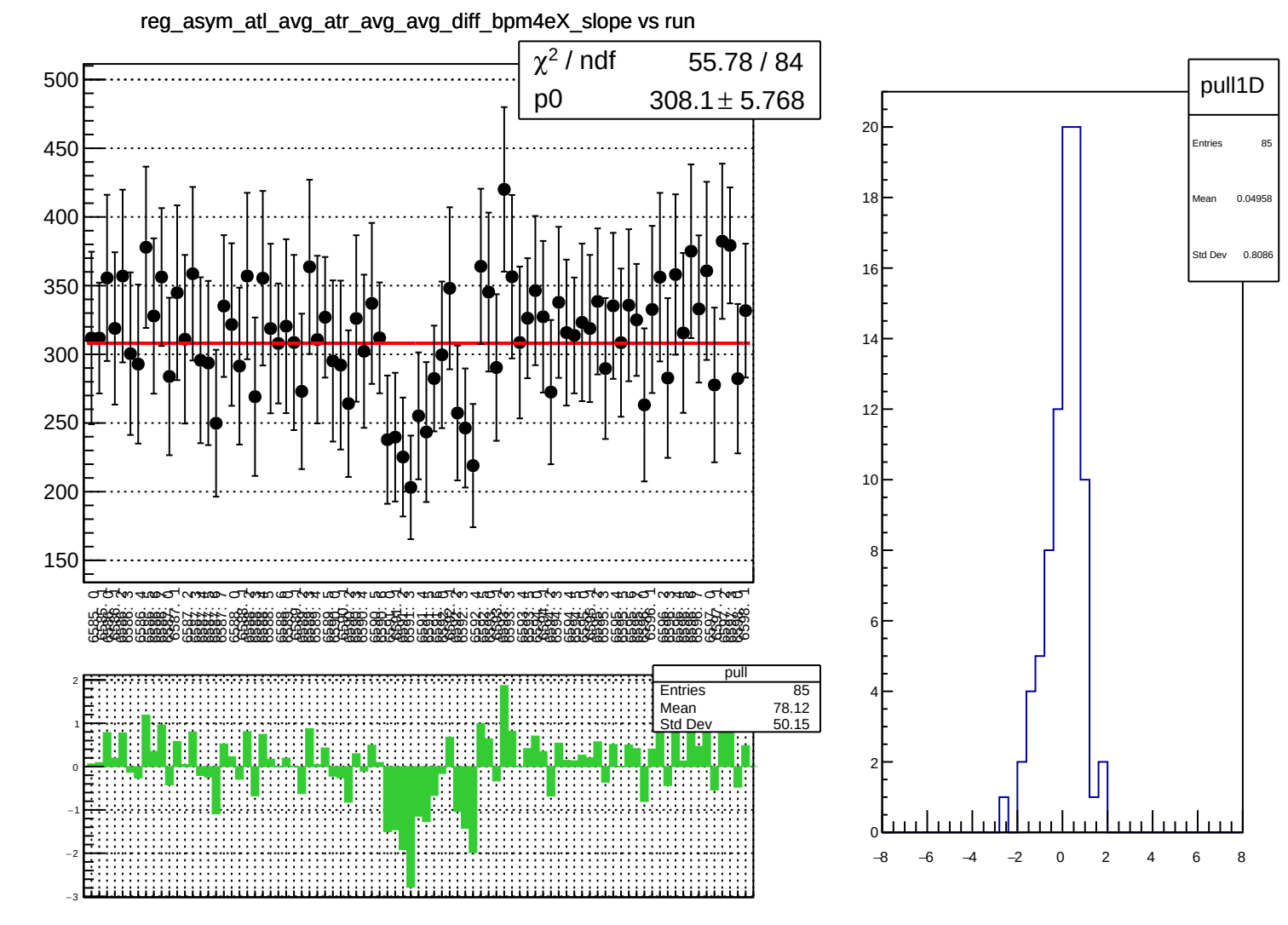

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 112.4 / 84
p0 12.94 ± 0.06794
pull
Entries 85
Mean −101.1
Std Dev 193.2

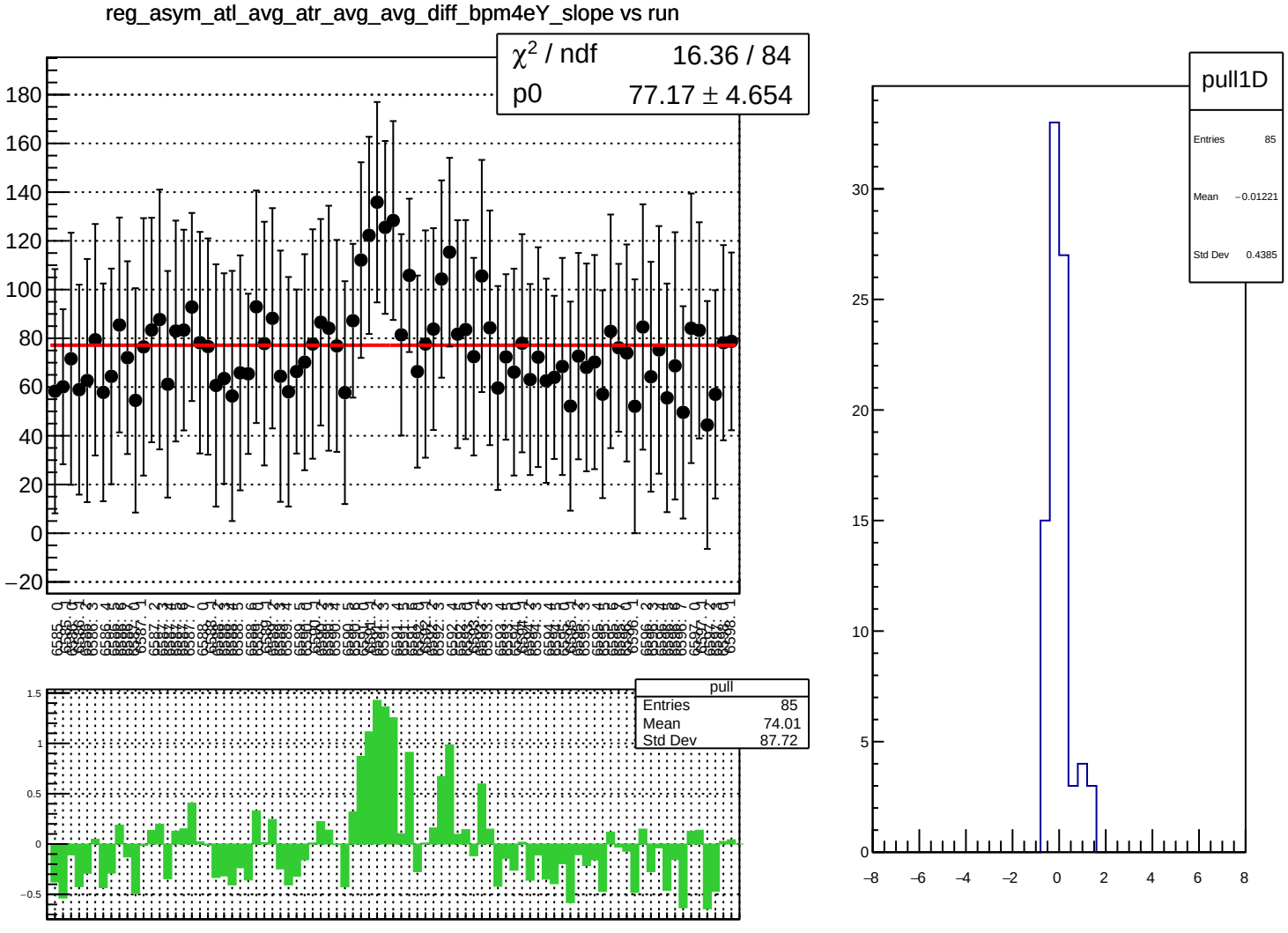

pull1D
Entries 85
Mean 0.007544
Std Dev 1.15

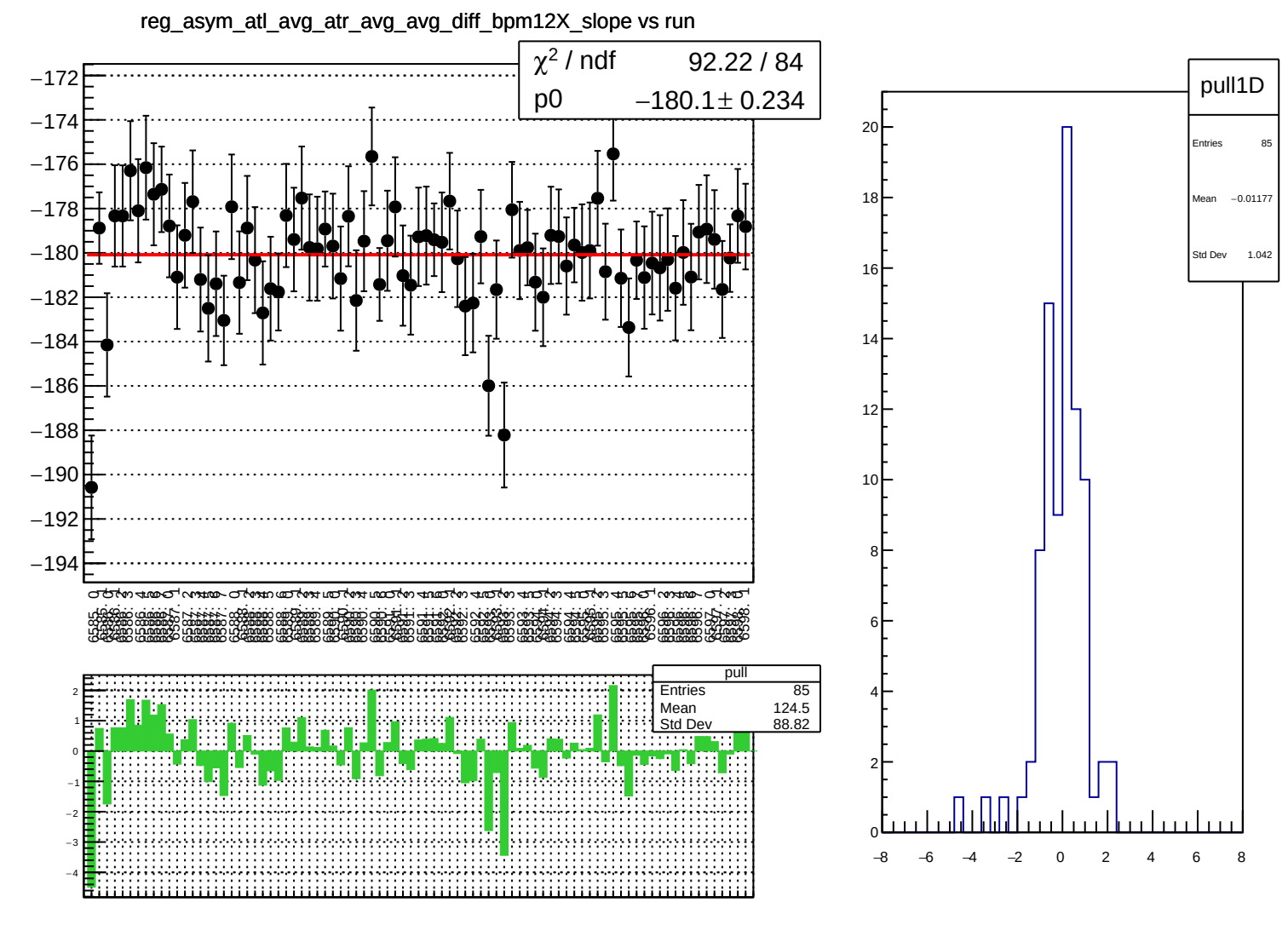

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 54.9 / 84
p0 −270.6 ± 5.426
pull
Entries 85
Mean 77.99
Std Dev 51.07

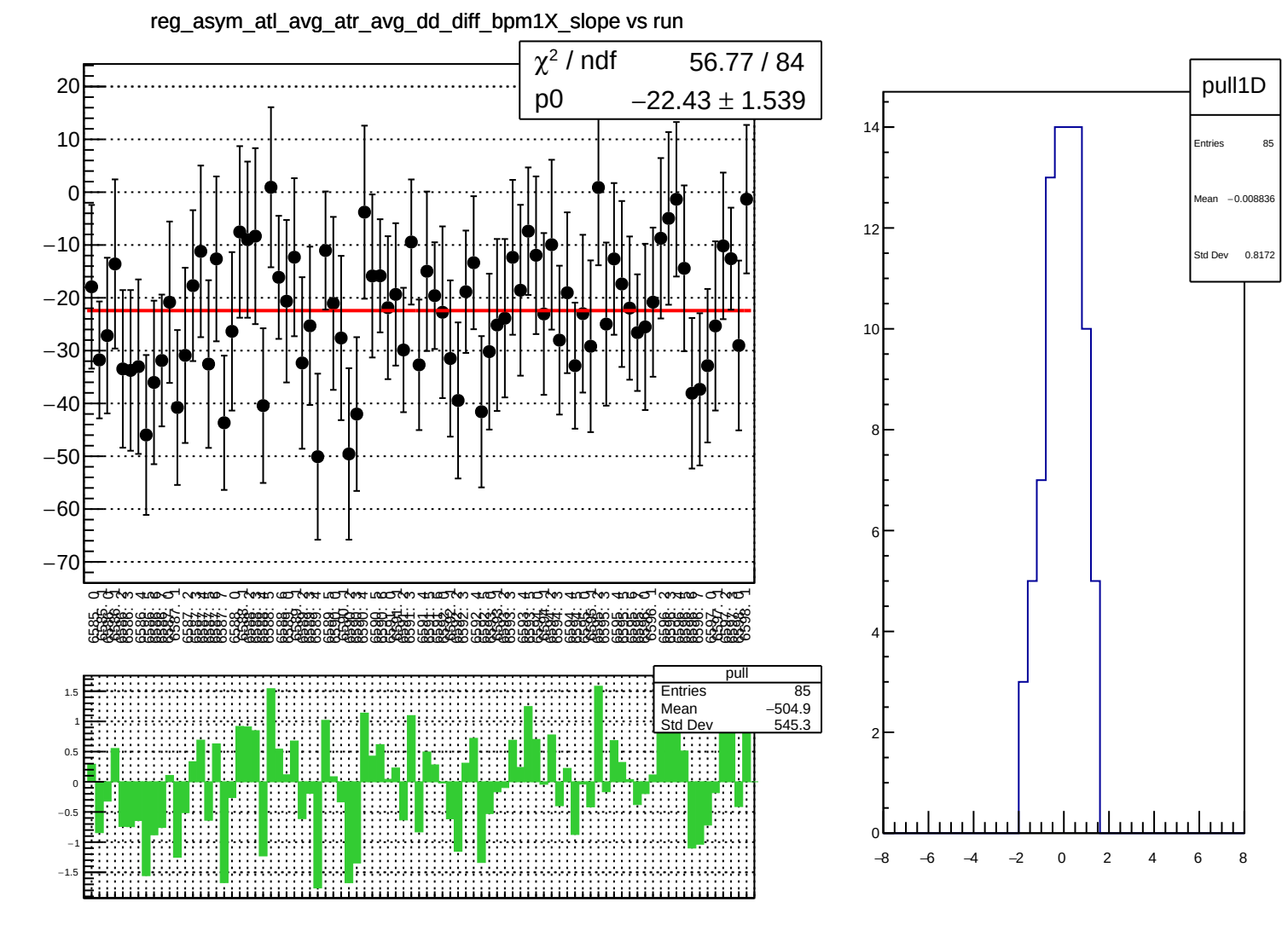

pull1D
Entries 85
Mean −0.04628
Std Dev 0.8024

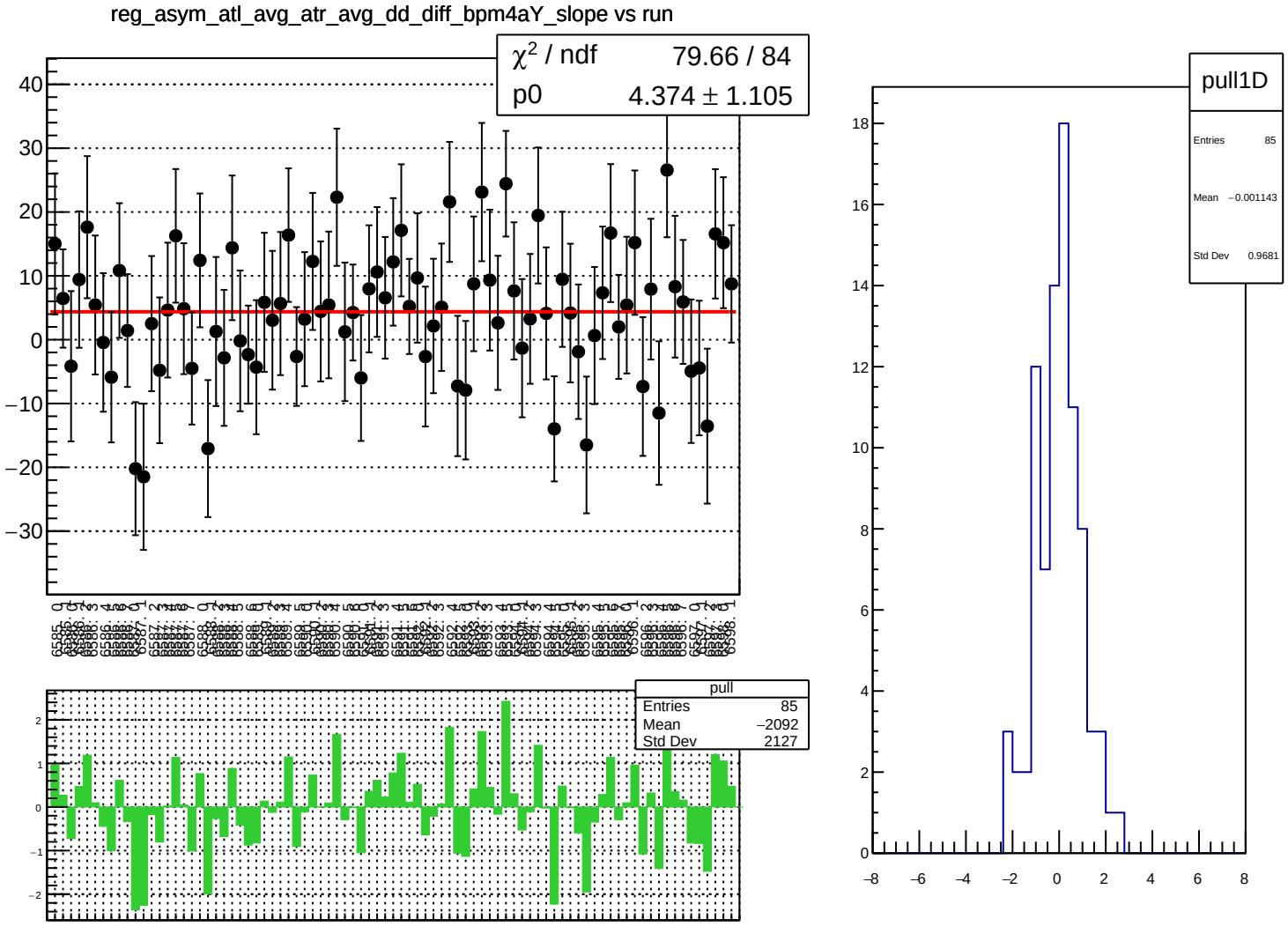

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.73 / 84
p0 3.865 ± 3.864
pull
Entries 85
Mean 73.19
Std Dev 98.71
pull1D
Entries 85
Mean 0.008647
Std Dev 0.4018

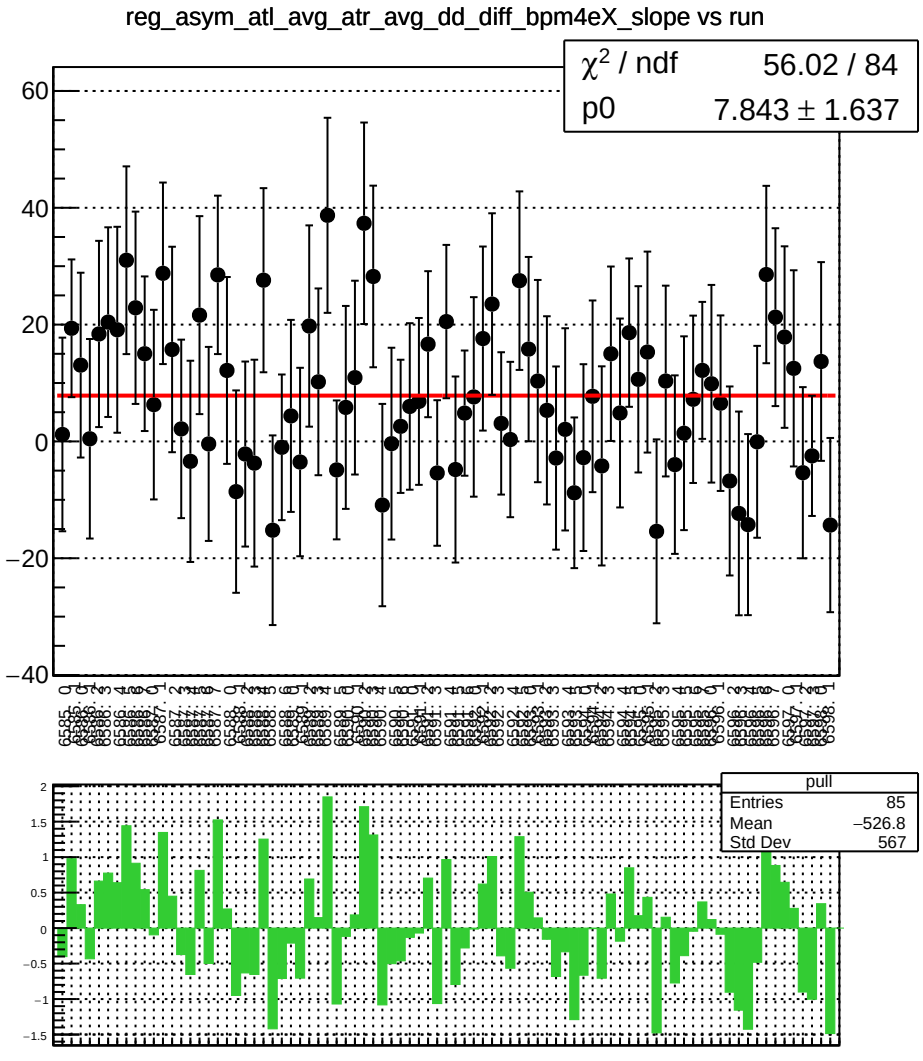

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.78 / 84
p0 308.1 ± 5.768
pull
Entries 85
Mean 78.12
Std Dev 50.15
pull1D
Entries 85
Mean 0.04958
Std Dev 0.8086

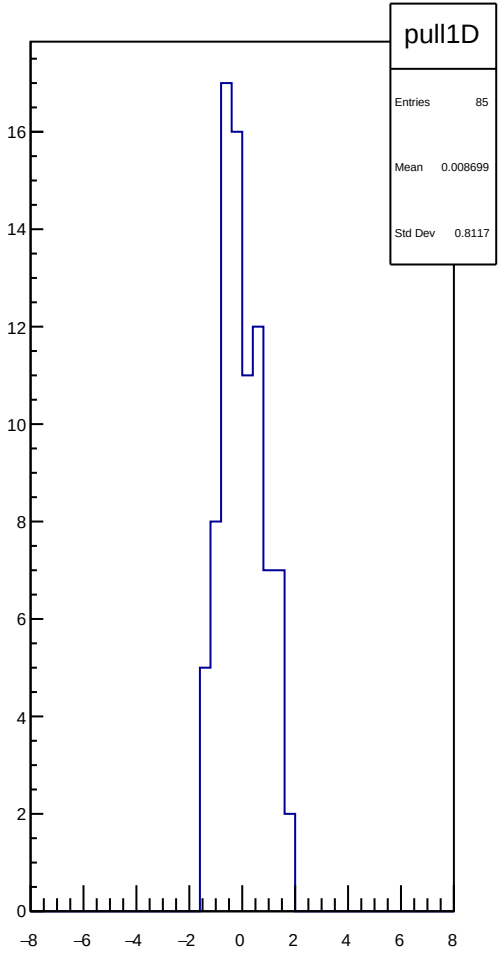

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.36 / 84
p0 77.17 ± 4.654
pull
Entries 85
Mean 74.01
Std Dev 87.72
pull1D
Entries 85
Mean −0.01221
Std Dev 0.4385

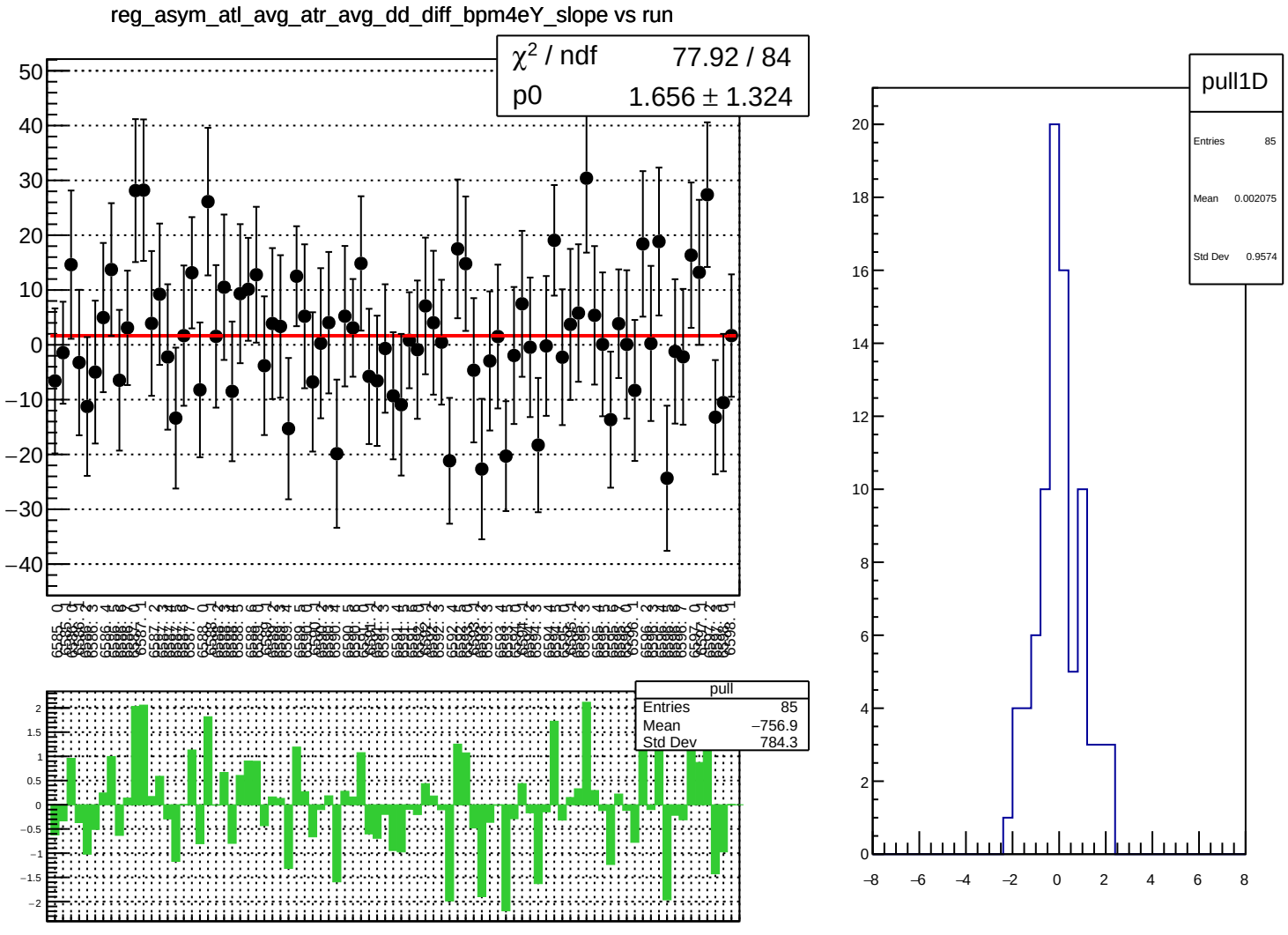

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 92.22 / 84
p0 −180.1± 0.234
pull
Entries 85
Mean 124.5
Std Dev 88.82
pull1D
Entries 85
Mean −0.01177
Std Dev 1.042

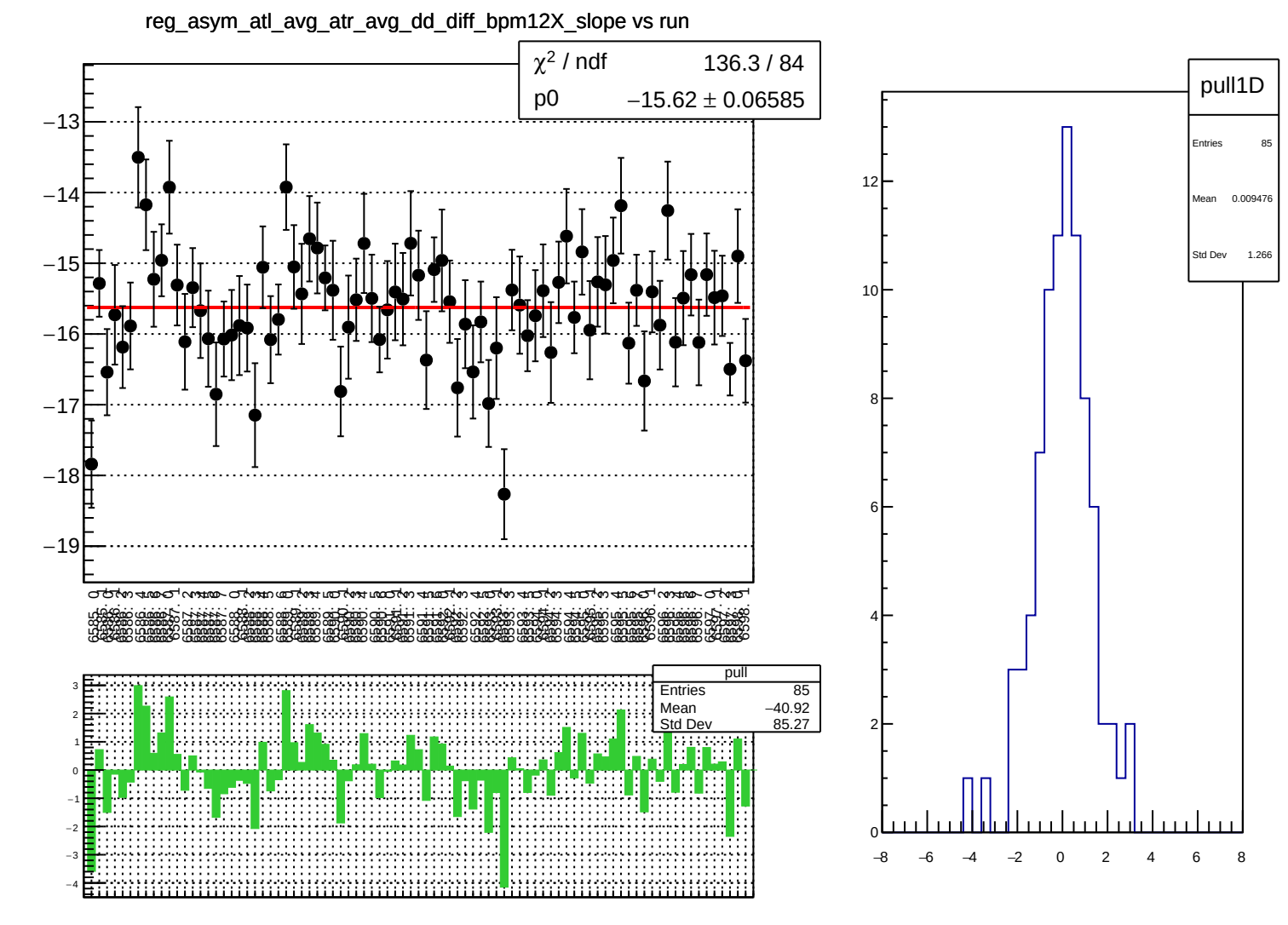

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 56.77 / 84
p0 −22.43 ± 1.539
pull
Entries 85
Mean −504.9
Std Dev 545.3
pull1D
Entries 85
Mean −0.008836
Std Dev 0.8172

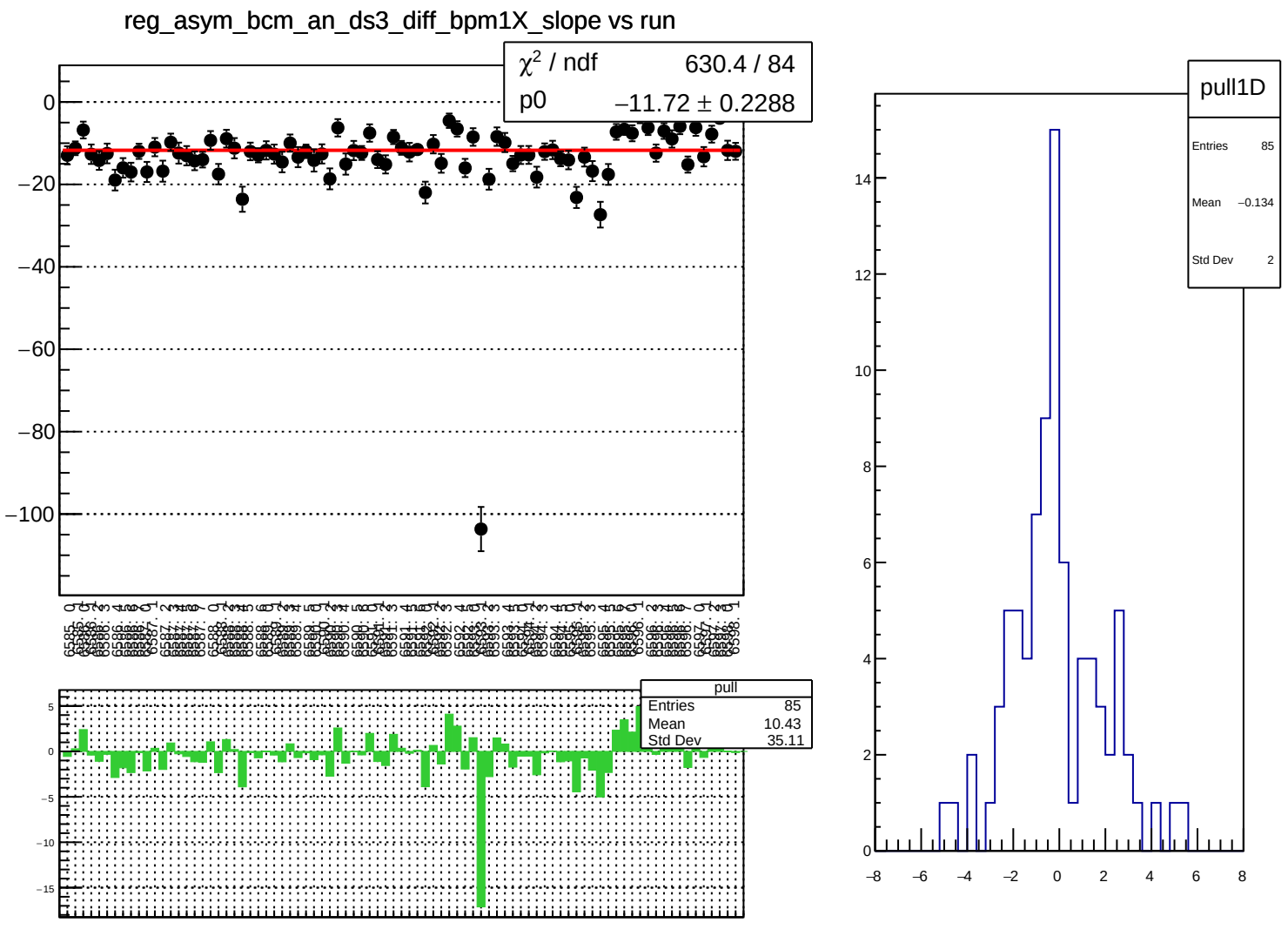

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 79.66 / 84
p0 4.374 ± 1.105
pull
Entries 85
Mean −2092
Std Dev 2127
pull1D
Entries 85
Mean −0.001143
Std Dev 0.9681

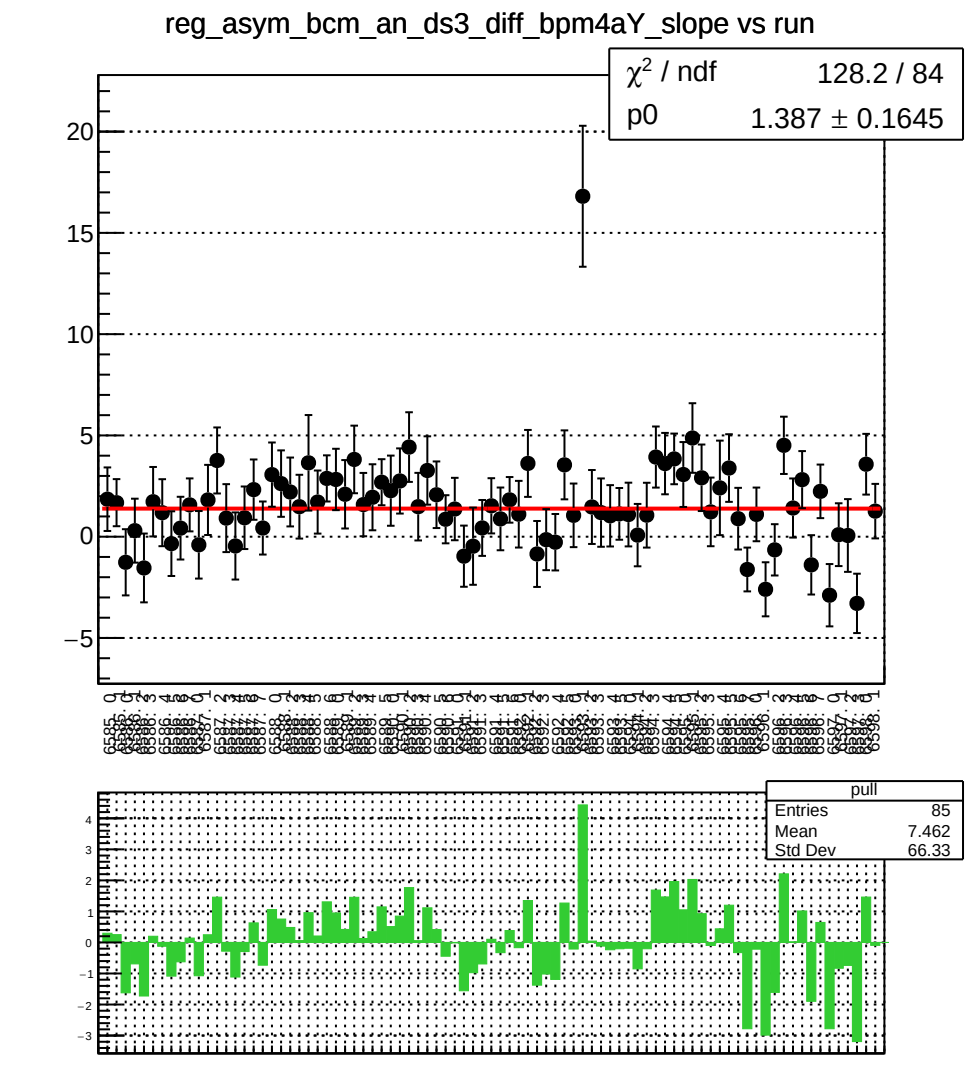

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 56.02 / 84
p0 7.843 ± 1.637
pull
Entries 85
Mean −526.8
Std Dev 567

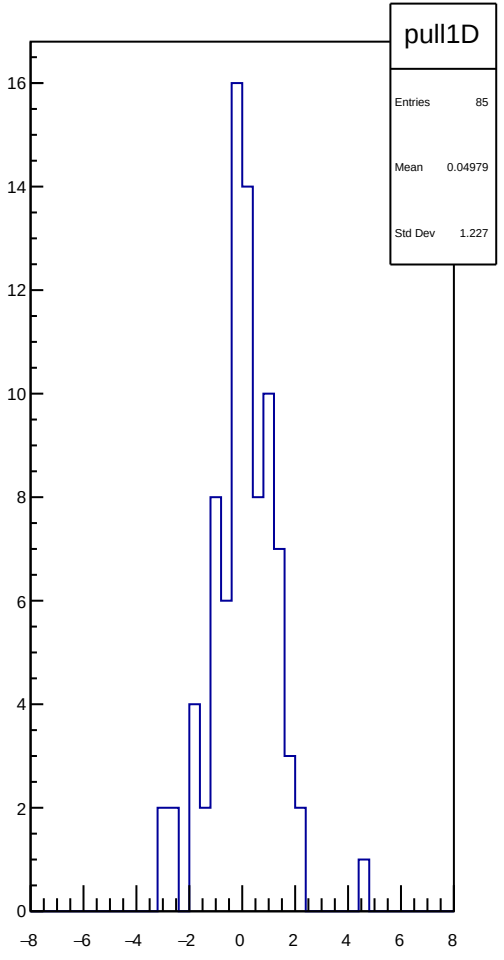

pull1D
Entries 85
Mean 0.008699
Std Dev 0.8117

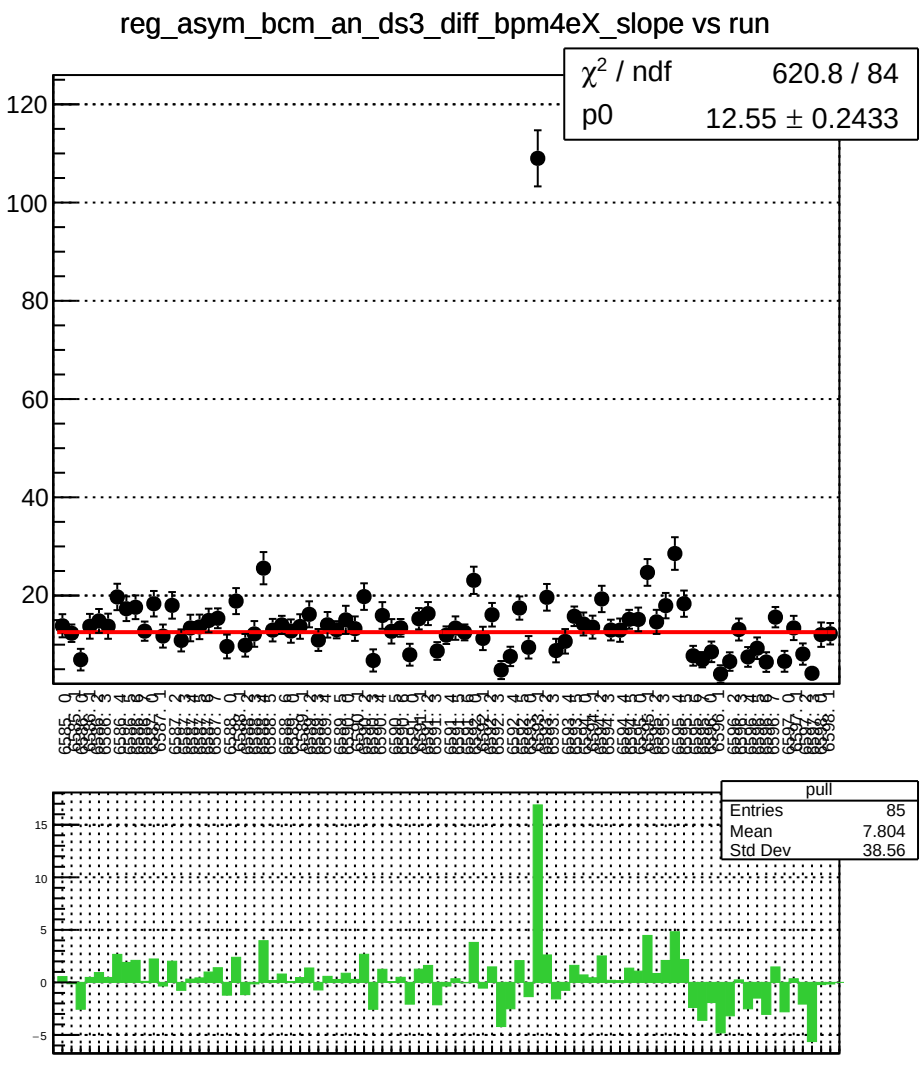

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 77.92 / 84
p0 1.656 ± 1.324
pull
Entries 85
Mean −756.9
Std Dev 784.3
pull1D
Entries 85
Mean 0.002075
Std Dev 0.9574

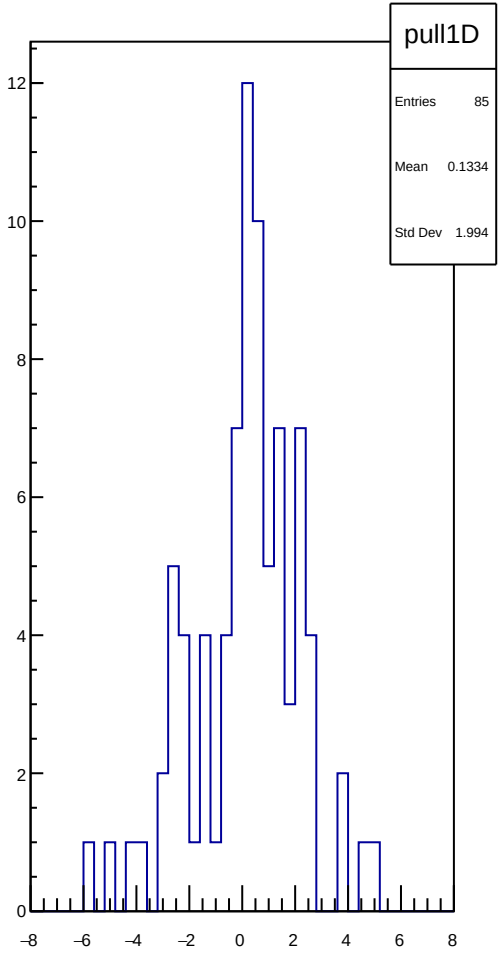

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 136.3 / 84
p0 −15.62 ± 0.06585
pull
Entries 85
Mean −40.92
Std Dev 85.27
pull1D
Entries 85
Mean 0.009476
Std Dev 1.266

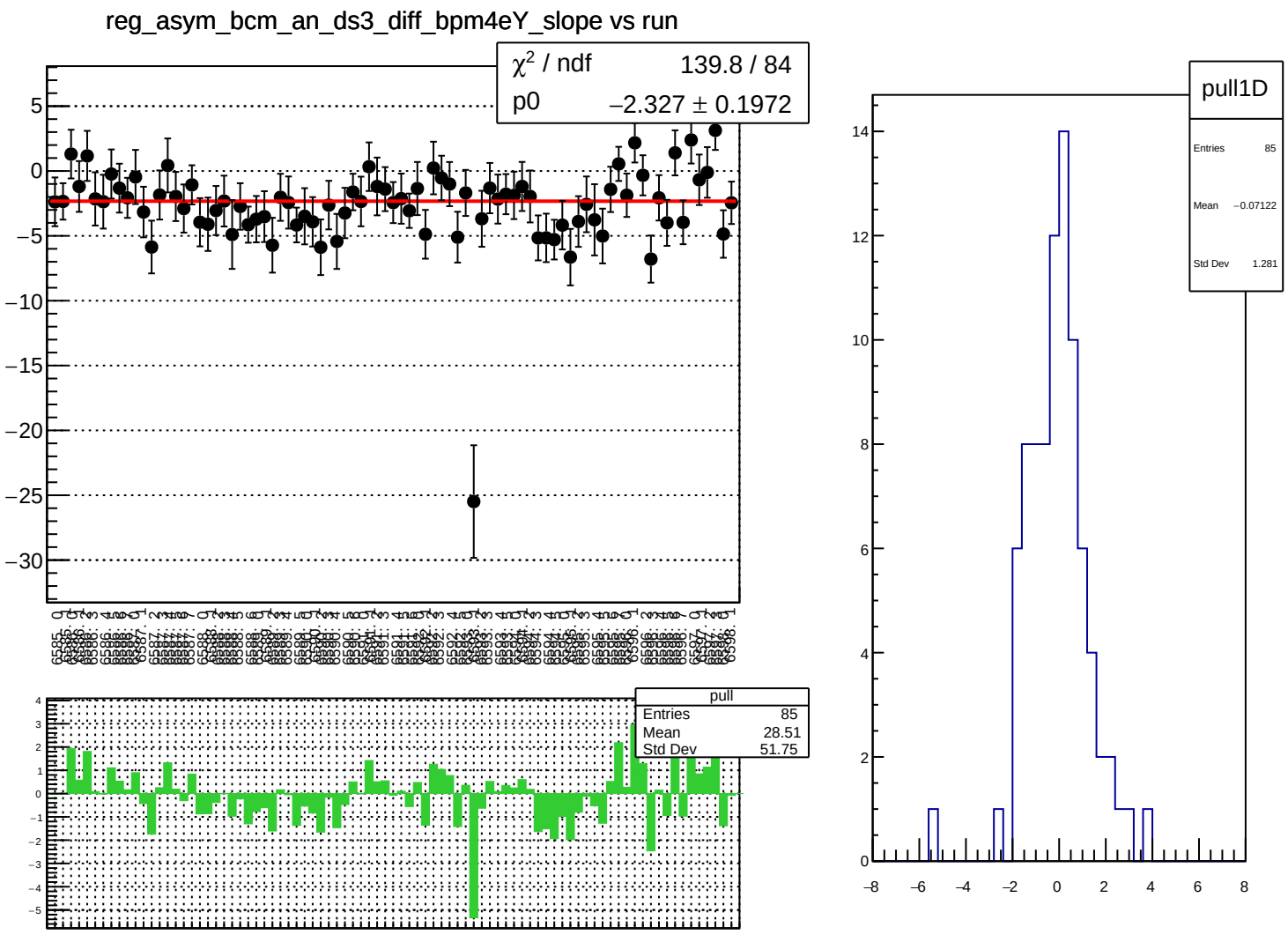

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 630.4 / 84
p0 −11.72 ± 0.2288
0
−20
−40
−60
−80
−100
pull
Entries 85
Mean 10.43
Std Dev 35.11
5
0
−5
−10
−15
pull1D
Entries 85
Mean −0.134
Std Dev 2
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

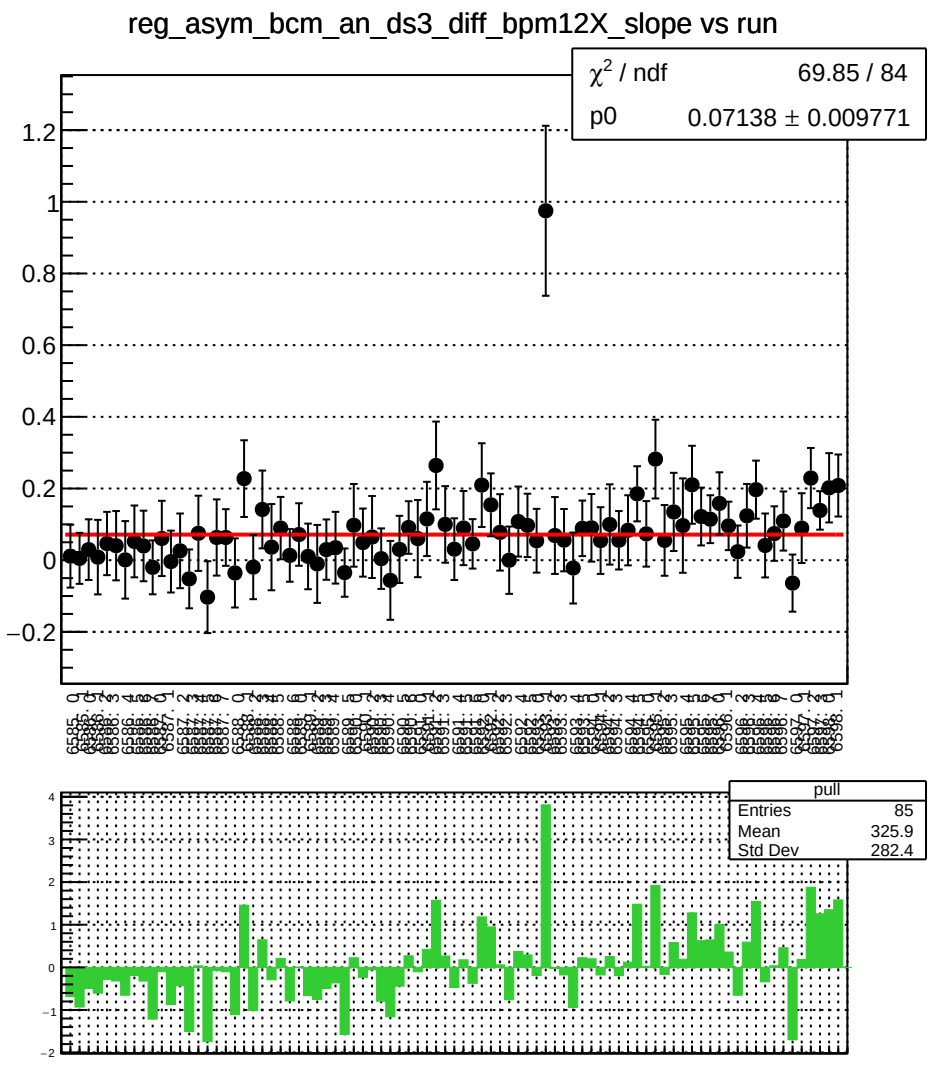

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 128.2 / 84
p0 1.387 ± 0.1645
pull
Entries 85
Mean 7.462
Std Dev 66.33

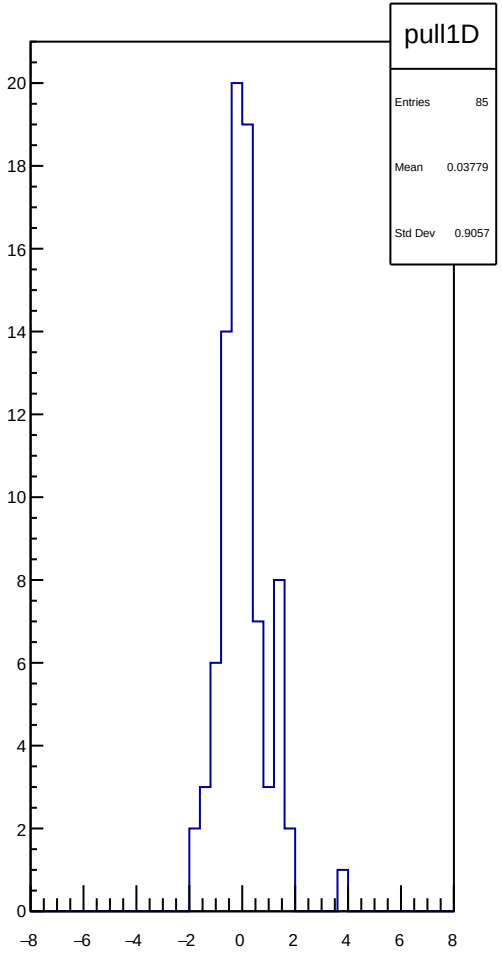

pull1D
Entries 85
Mean 0.04979
Std Dev 1.227

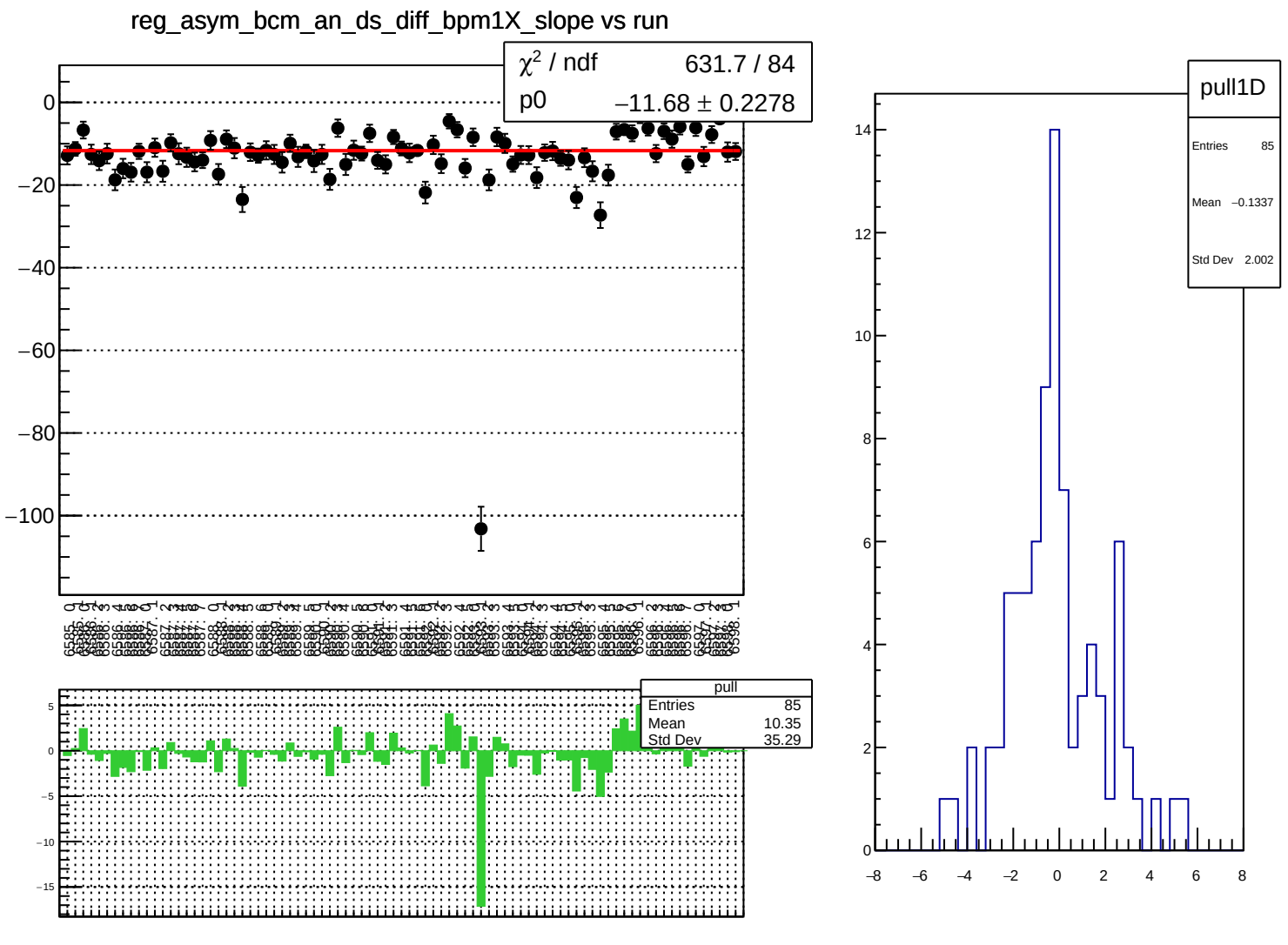

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 620.8 / 84
p0 12.55 ± 0.2433
pull
Entries 85
Mean 7.804
Std Dev 38.56

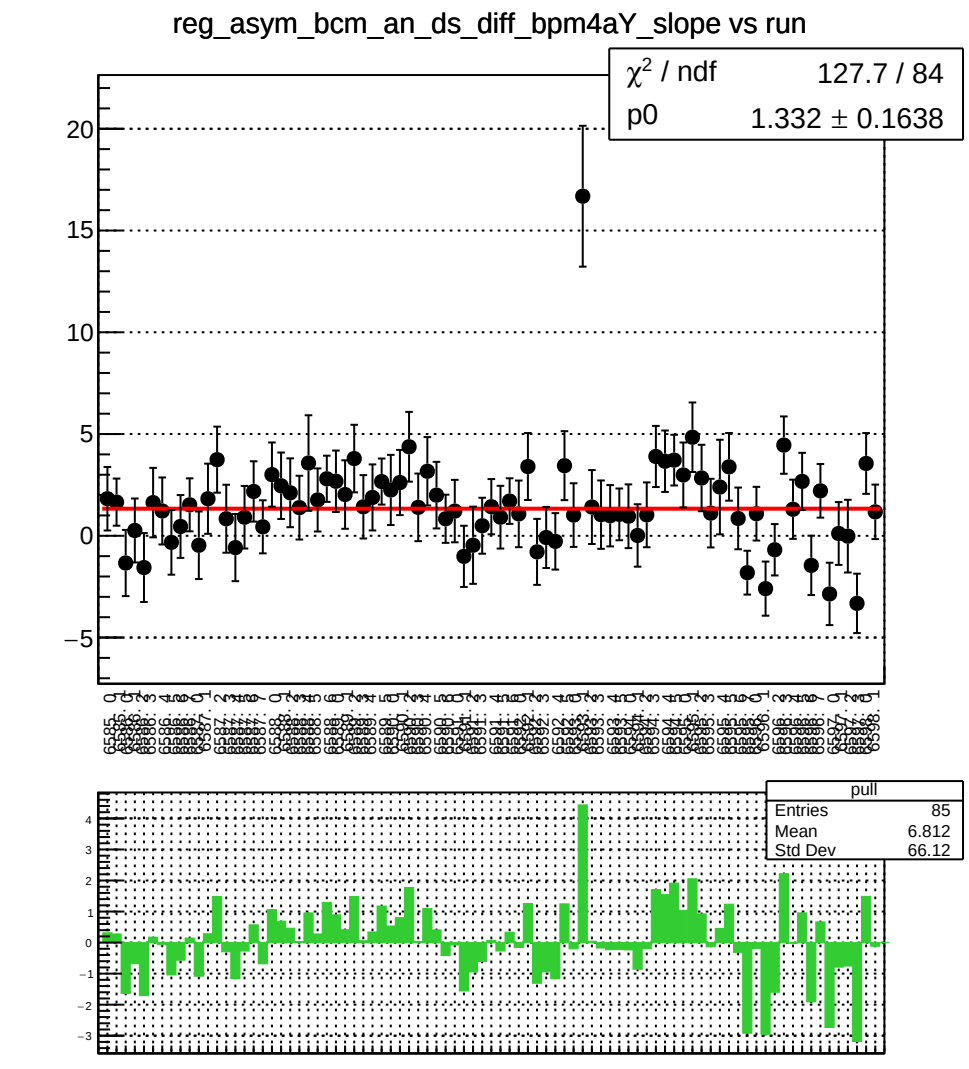

pull1D
Entries 85
Mean 0.1334
Std Dev 1.994

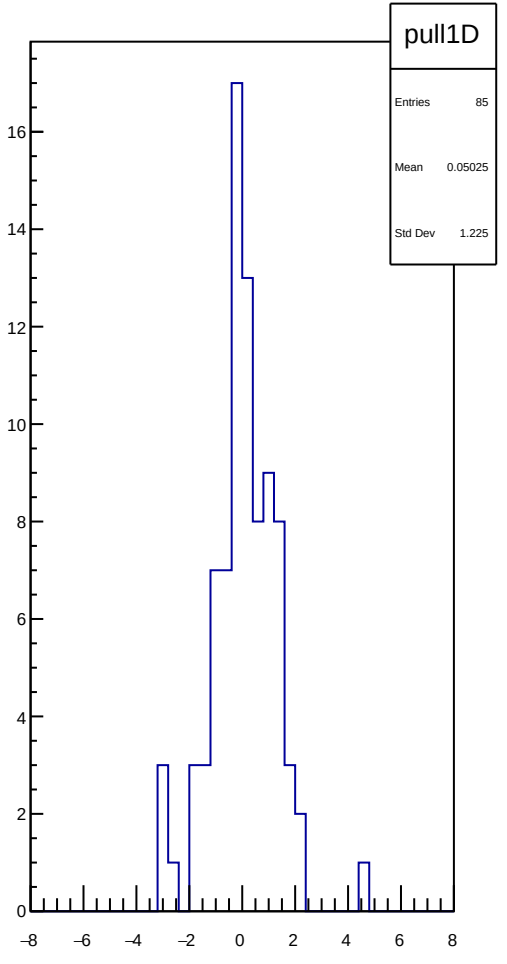

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 139.8 / 84
p0 −2.327 ± 0.1972
pull
Entries 85
Mean 28.51
Std Dev 51.75
pull1D
Entries 85
Mean −0.07122
Std Dev 1.281

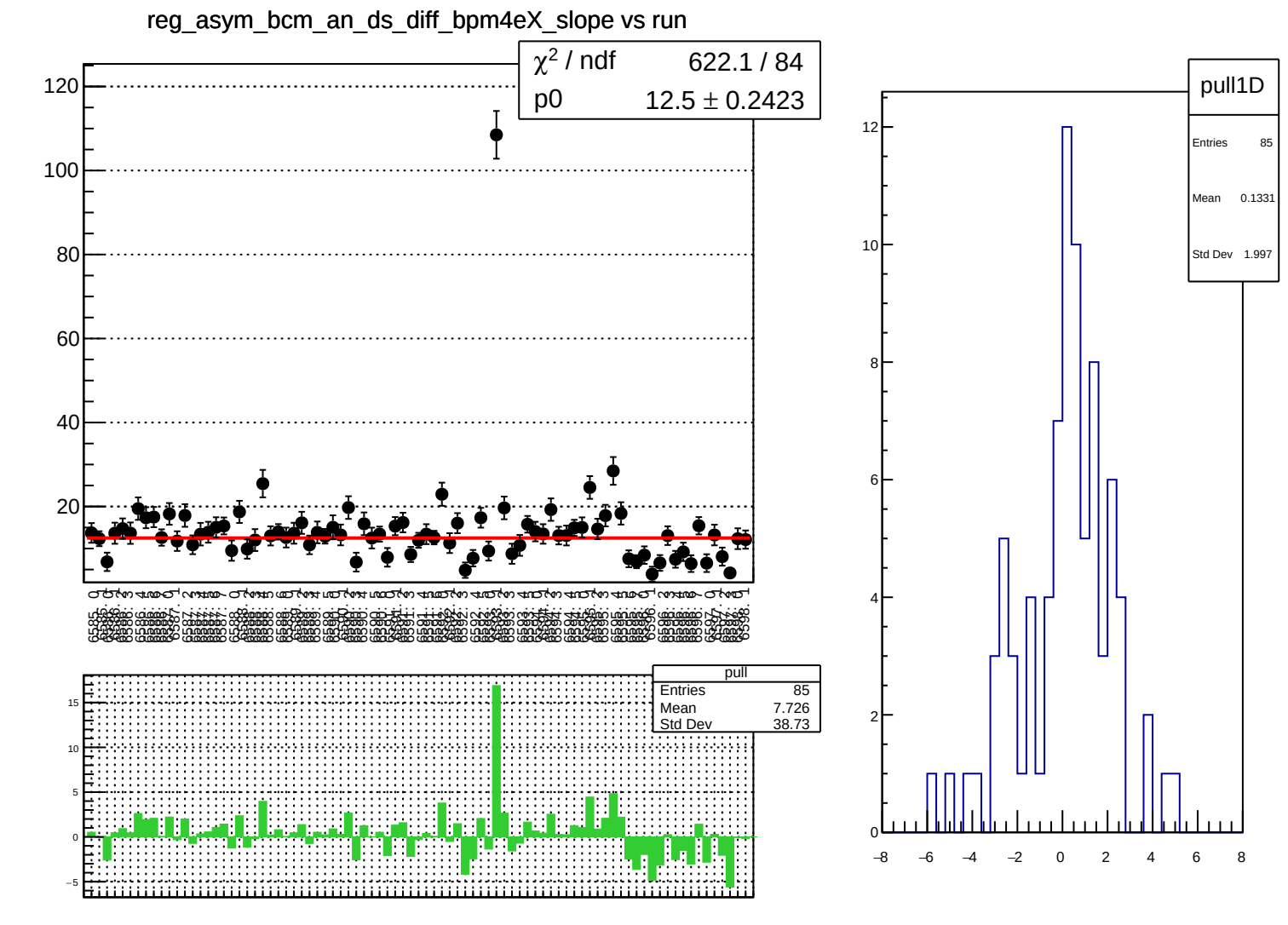

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 69.85 / 84
p0 0.07138 ± 0.009771
pull
Entries 85
Mean 325.9
Std Dev 282.4

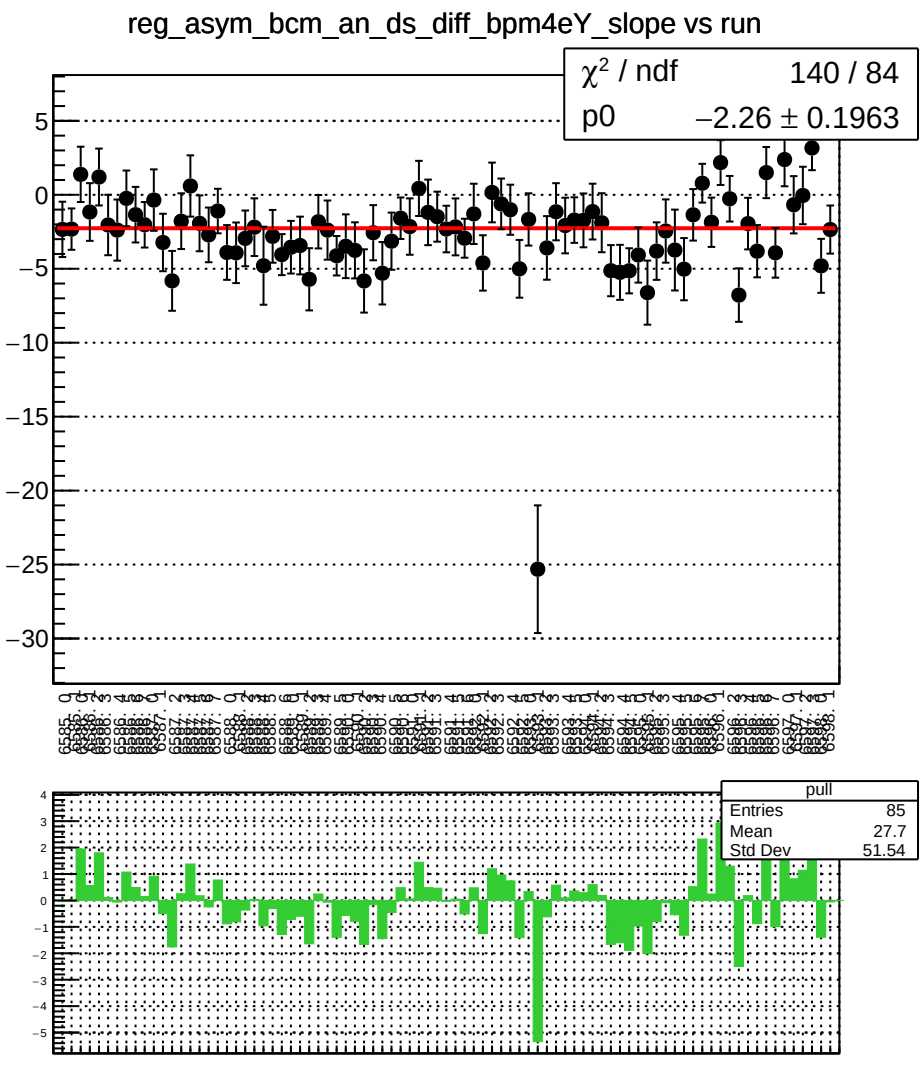

pull1D
Entries 85
Mean 0.03779
Std Dev 0.9057

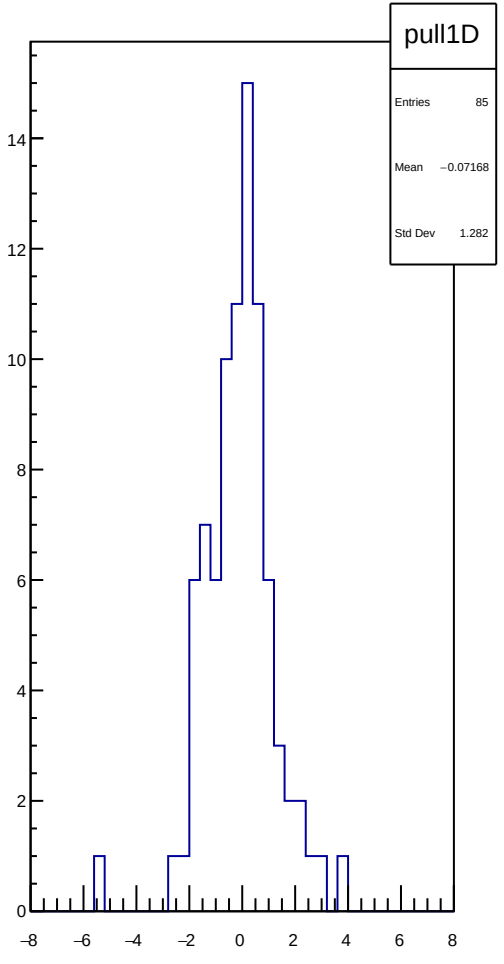

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 631.7 / 84
p0 −11.68 ± 0.2278
pull
Entries 85
Mean 10.35
Std Dev 35.29
pull1D
Entries 85
Mean −0.1337
Std Dev 2.002

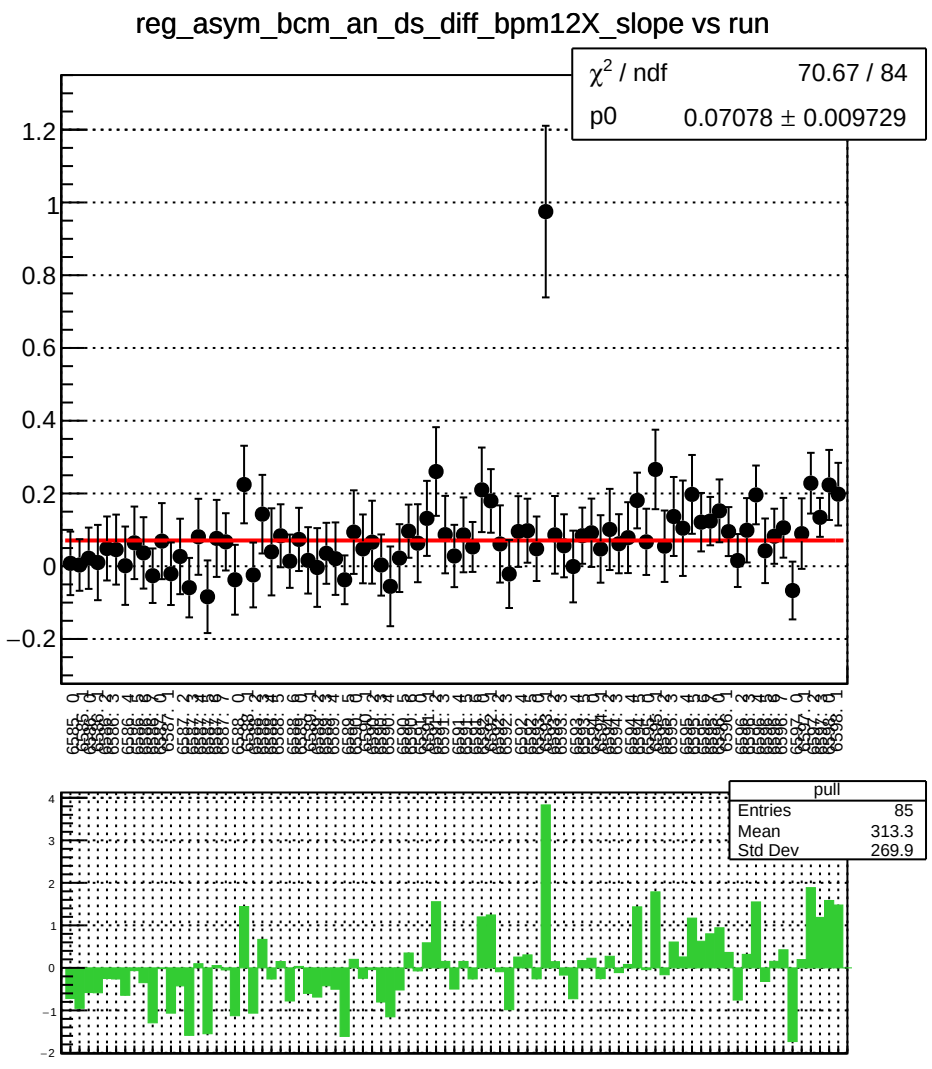

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 127.7 / 84
p0 1.332 ± 0.1638
pull
Entries 85
Mean 6.812
Std Dev 66.12

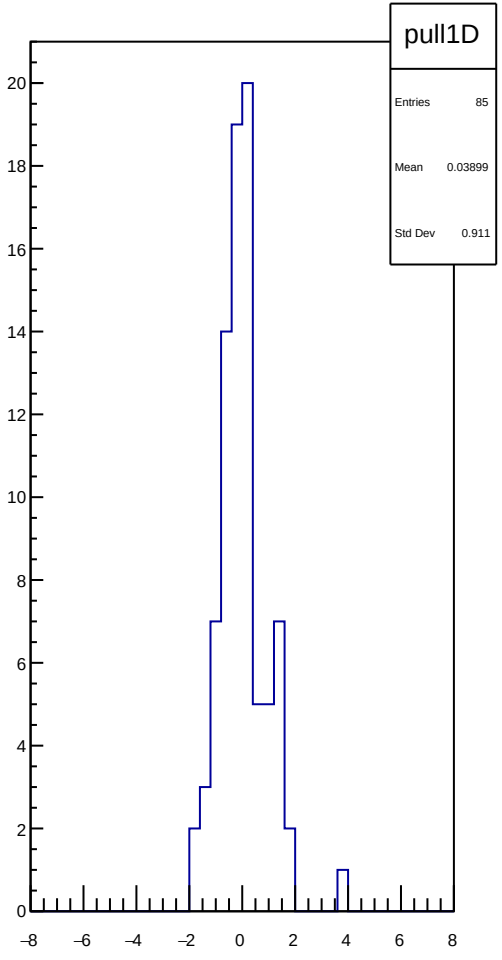

pull1D
Entries 85
Mean 0.05025
Std Dev 1.225

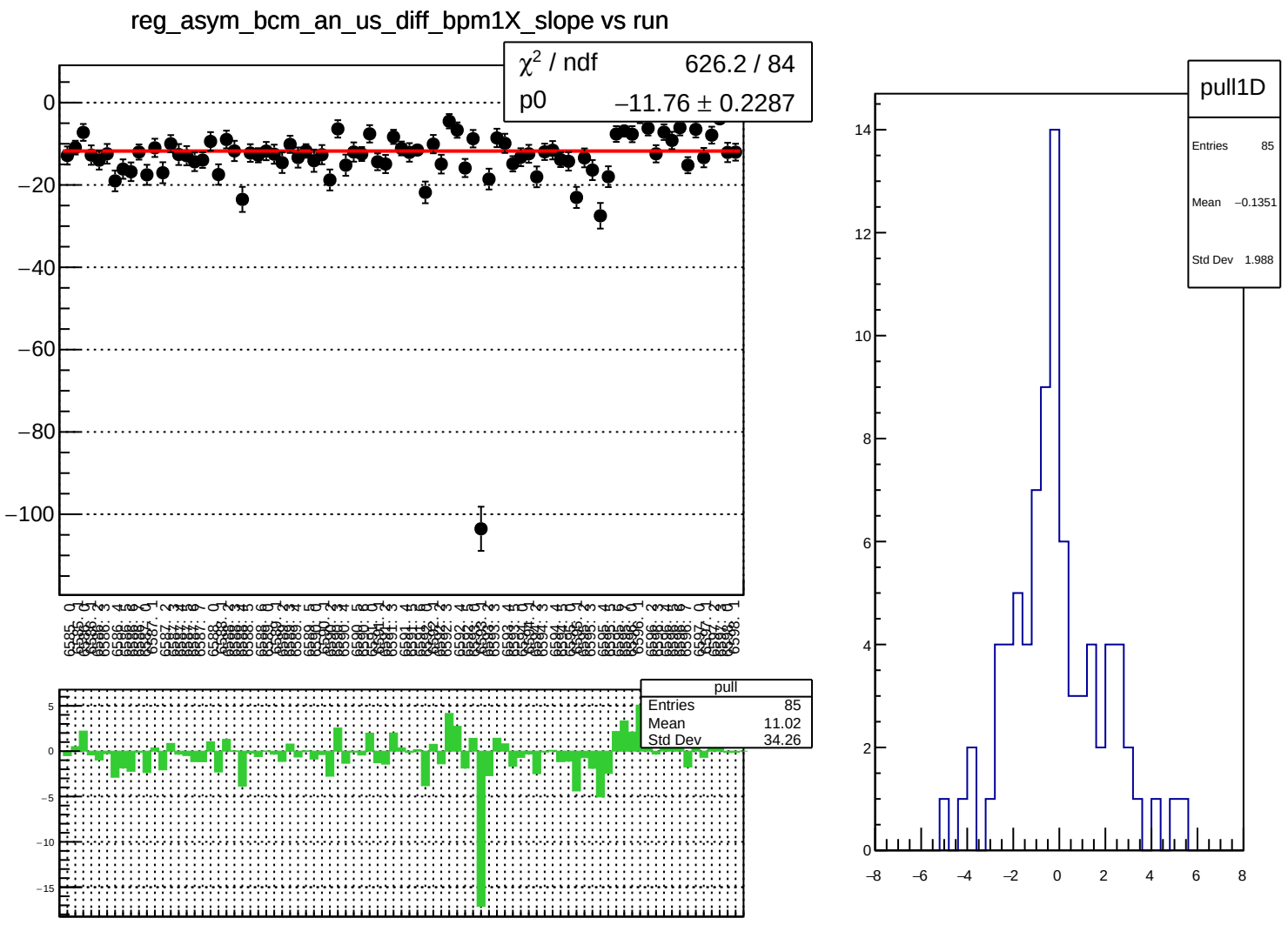

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 622.1 / 84
p0 12.5 ± 0.2423
120
100
80
60
40
20
pull
Entries 85
Mean 7.726
Std Dev 38.73
15
10
5
0
−5
pull1D
Entries 85
Mean 0.1331
Std Dev 1.997
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

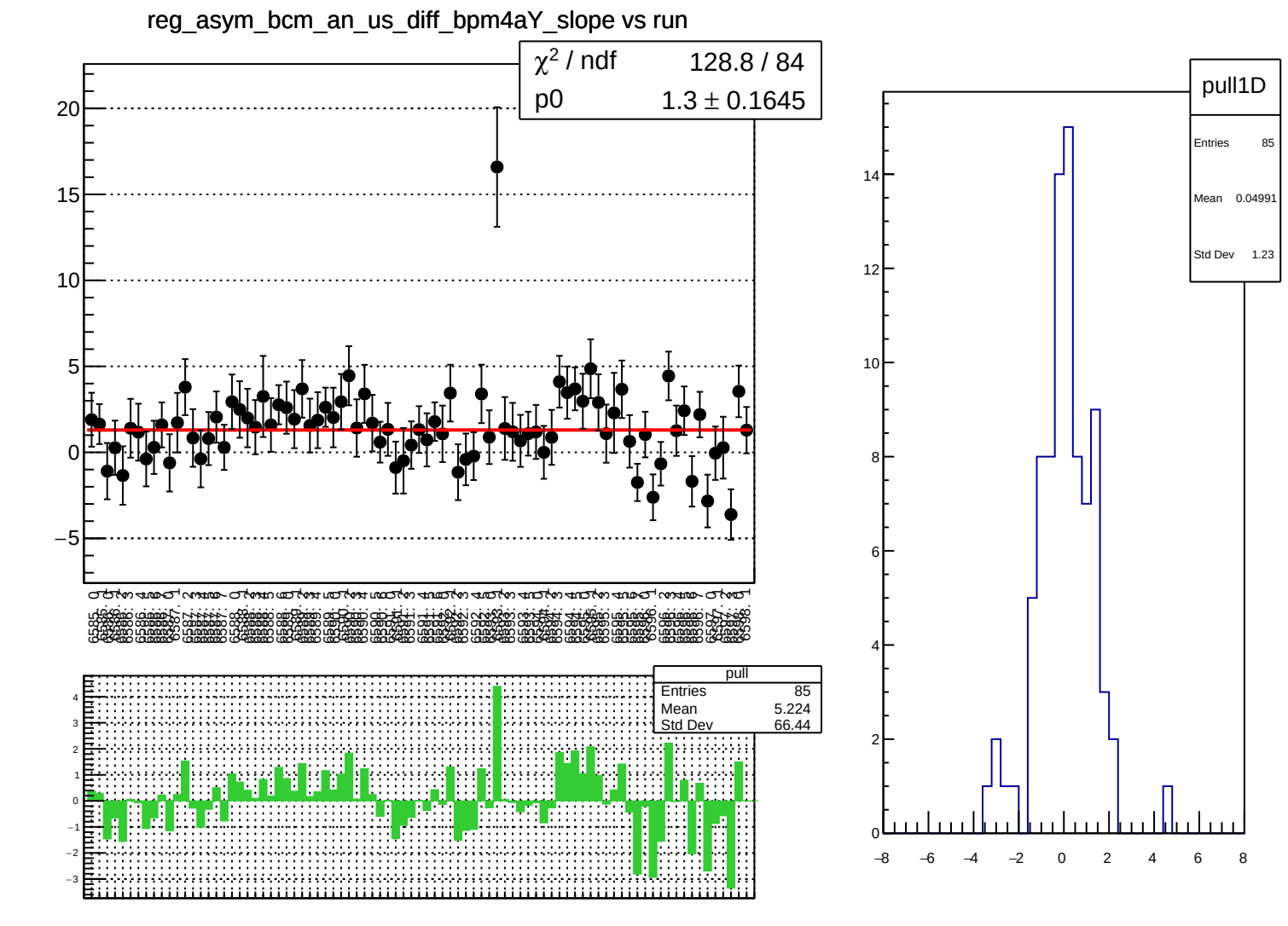

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 140 / 84
p0 −2.26 ± 0.1963
pull
Entries 85
Mean 27.7
Std Dev 51.54

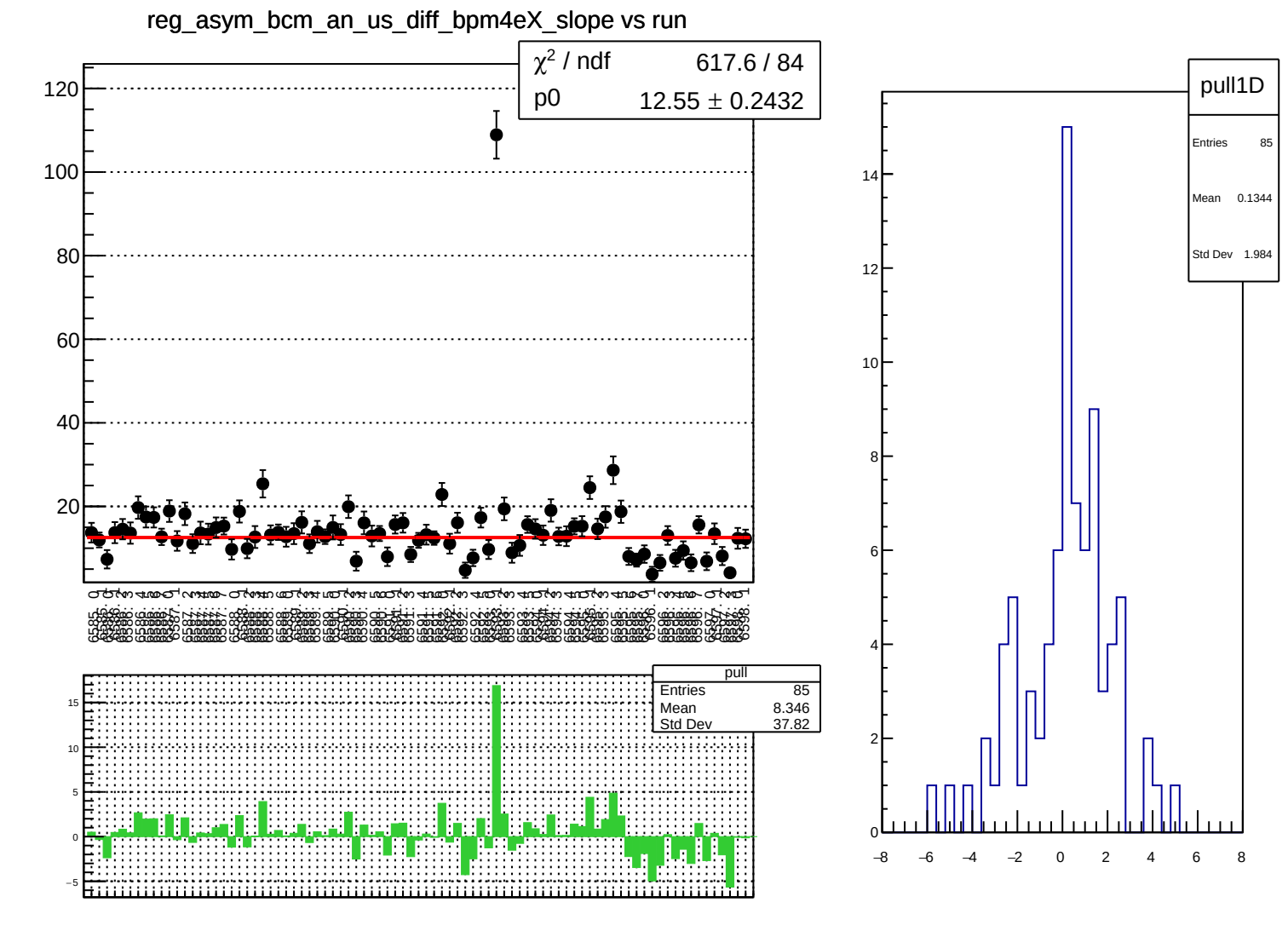

pull1D
Entries 85
Mean −0.07168
Std Dev 1.282

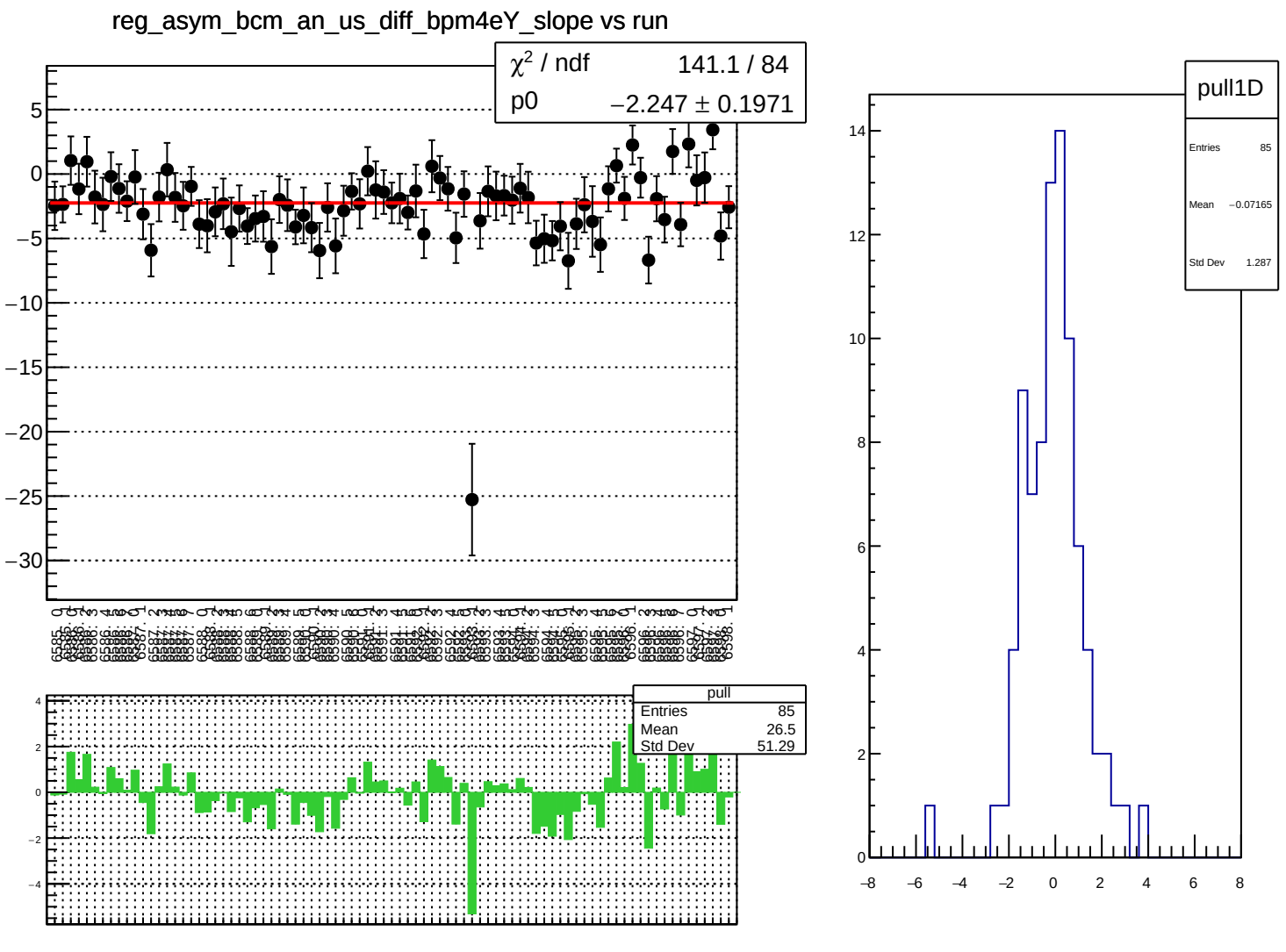

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 70.67 / 84
p0 0.07078 ± 0.009729
pull
Entries 85
Mean 313.3
Std Dev 269.9

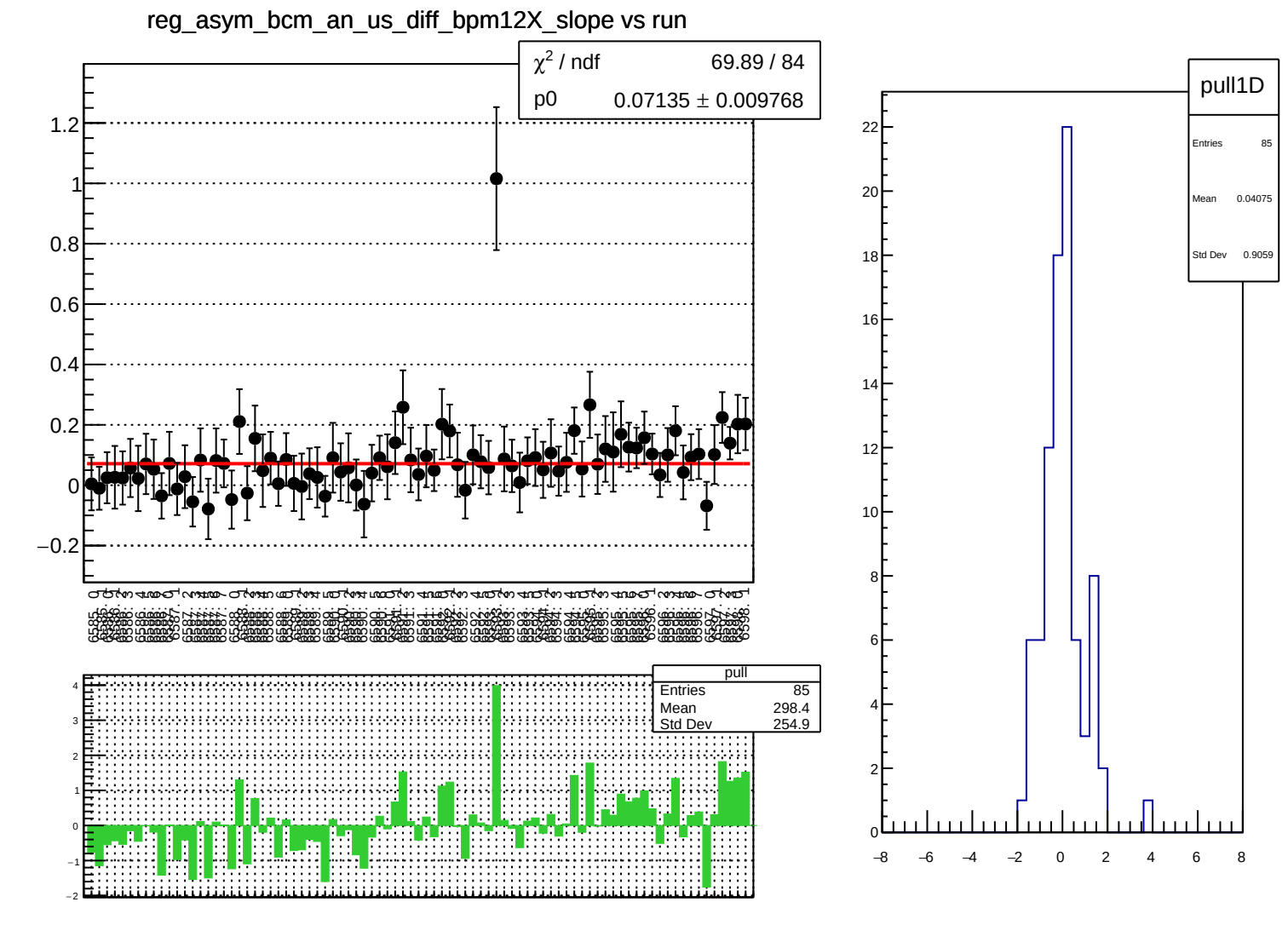

pull1D
Entries 85
Mean 0.03899
Std Dev 0.911

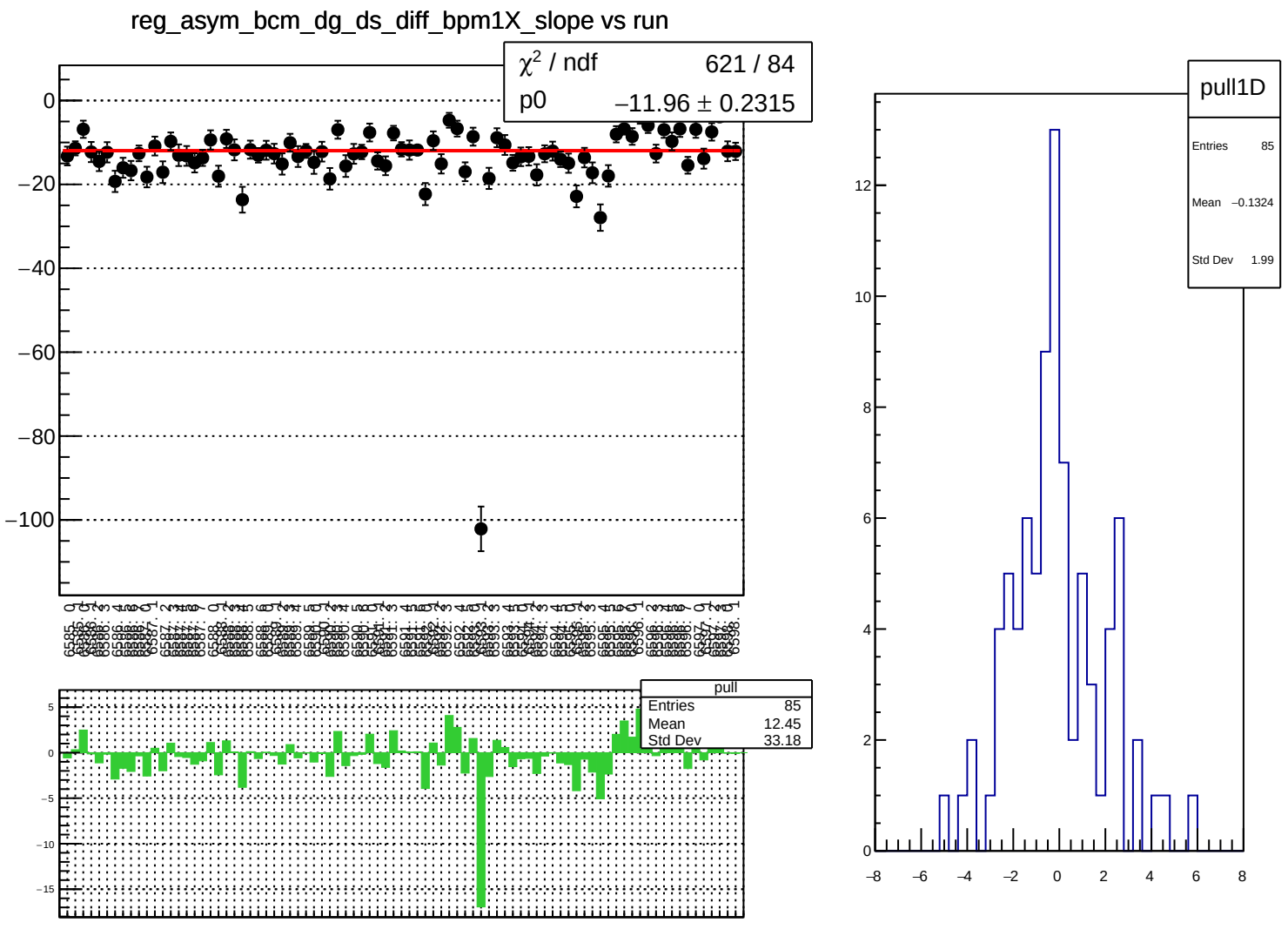

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 626.2 / 84
p0 −11.76 ± 0.2287
0
−20
−40
−60
−80
−100
pull
Entries 85
Mean 11.02
Std Dev 34.26
5
0
−5
−10
−15
pull1D
Entries 85
Mean −0.1351
Std Dev 1.988
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

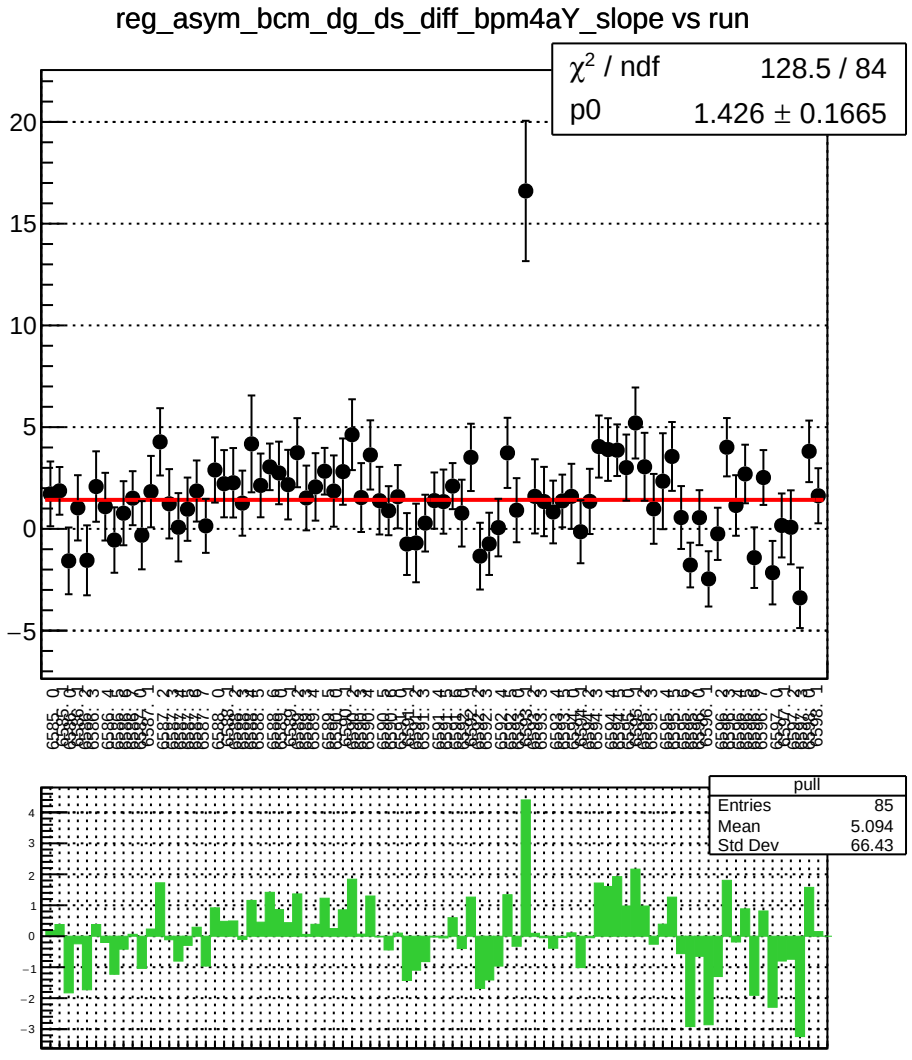

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 128.8 / 84
p0 1.3 ± 0.1645
pull
Entries 85
Mean 5.224
Std Dev 66.44
pull1D
Entries 85
Mean 0.04991
Std Dev 1.23

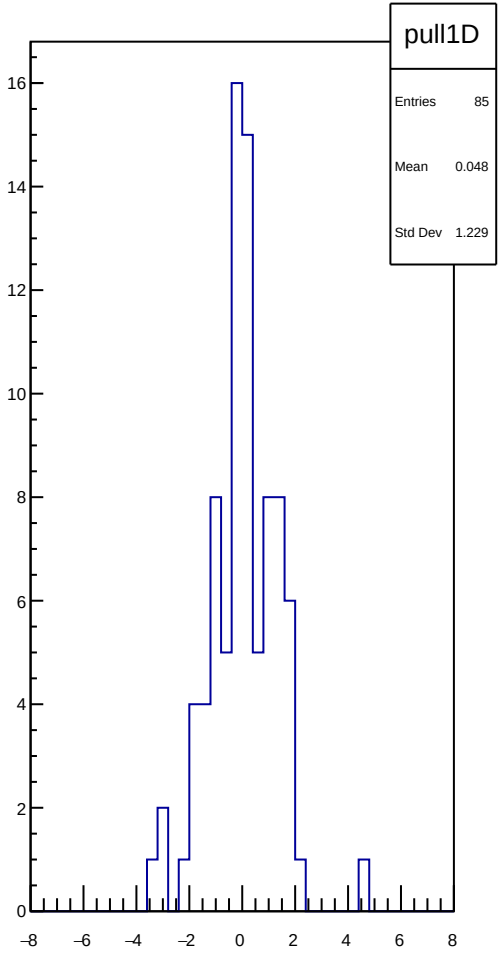

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 617.6 / 84
p0 12.55 ± 0.2432
pull
Entries 85
Mean 8.346
Std Dev 37.82
pull1D
Entries 85
Mean 0.1344
Std Dev 1.984

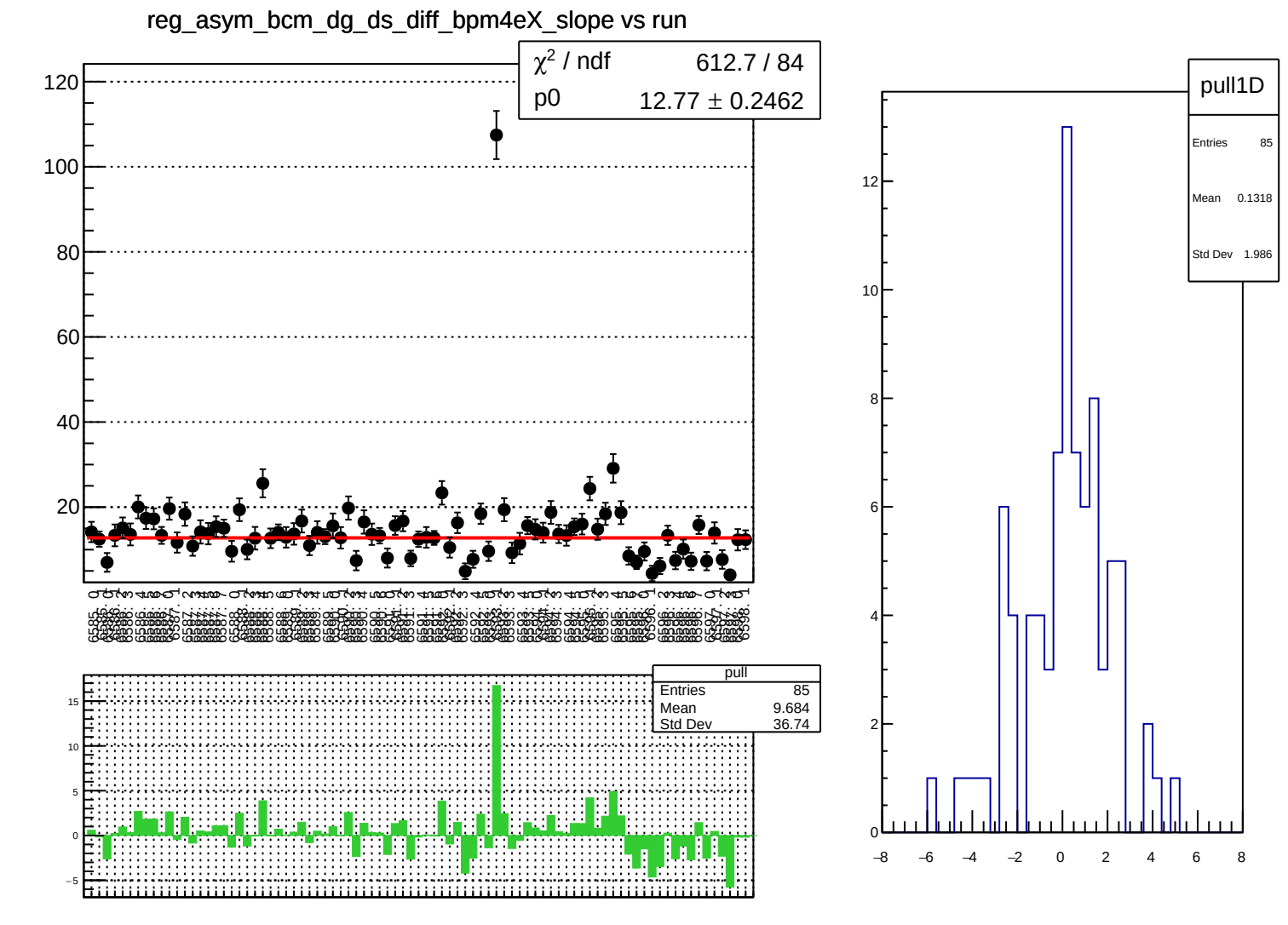

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 141.1 / 84
p0 −2.247 ± 0.1971
pull
Entries 85
Mean 26.5
Std Dev 51.29
pull1D
Entries 85
Mean −0.07165
Std Dev 1.287

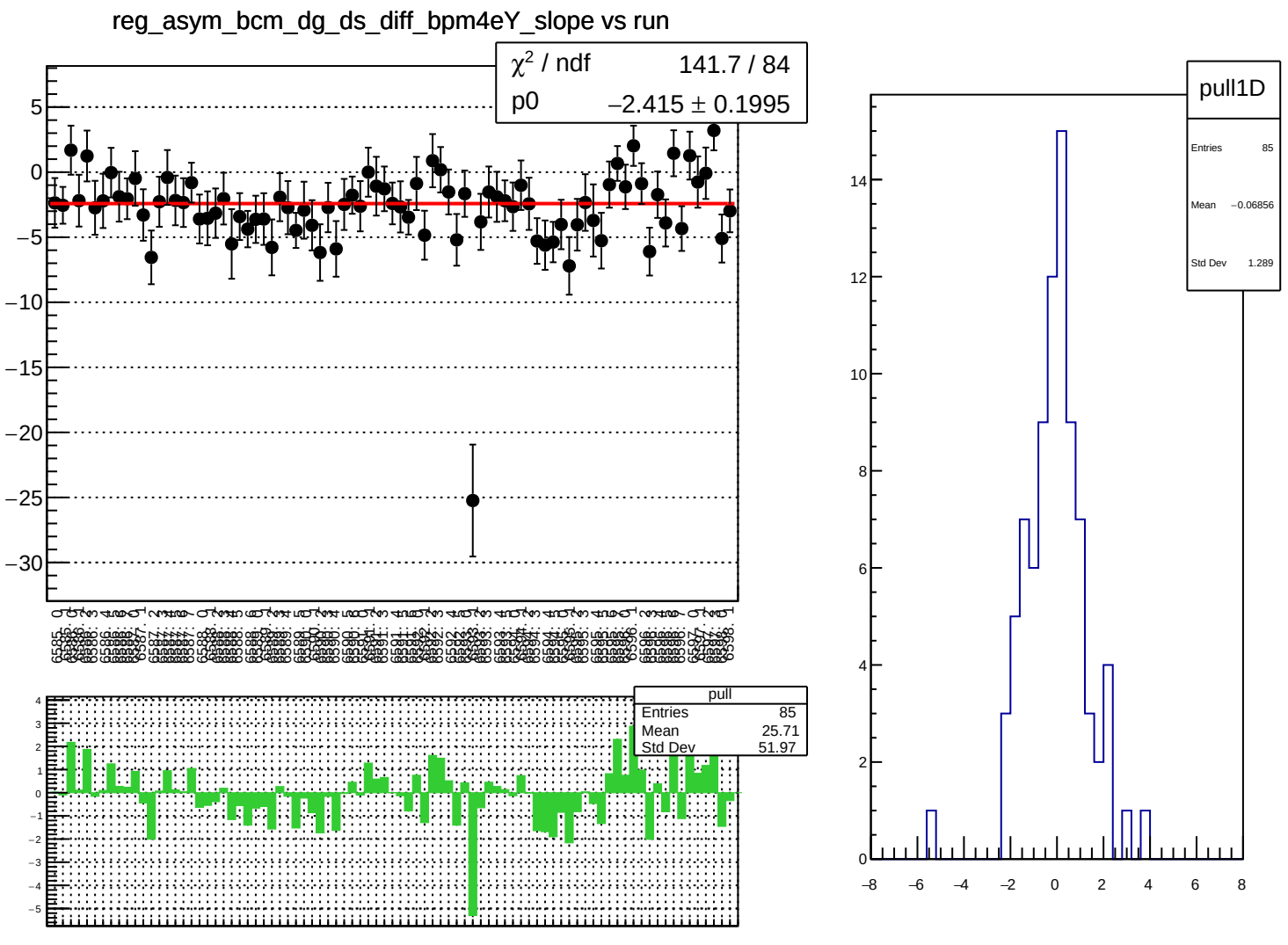

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 69.89 / 84
p0 0.07135 ± 0.009768
pull
Entries 85
Mean 298.4
Std Dev 254.9
pull1D
Entries 85
Mean 0.04075
Std Dev 0.9059

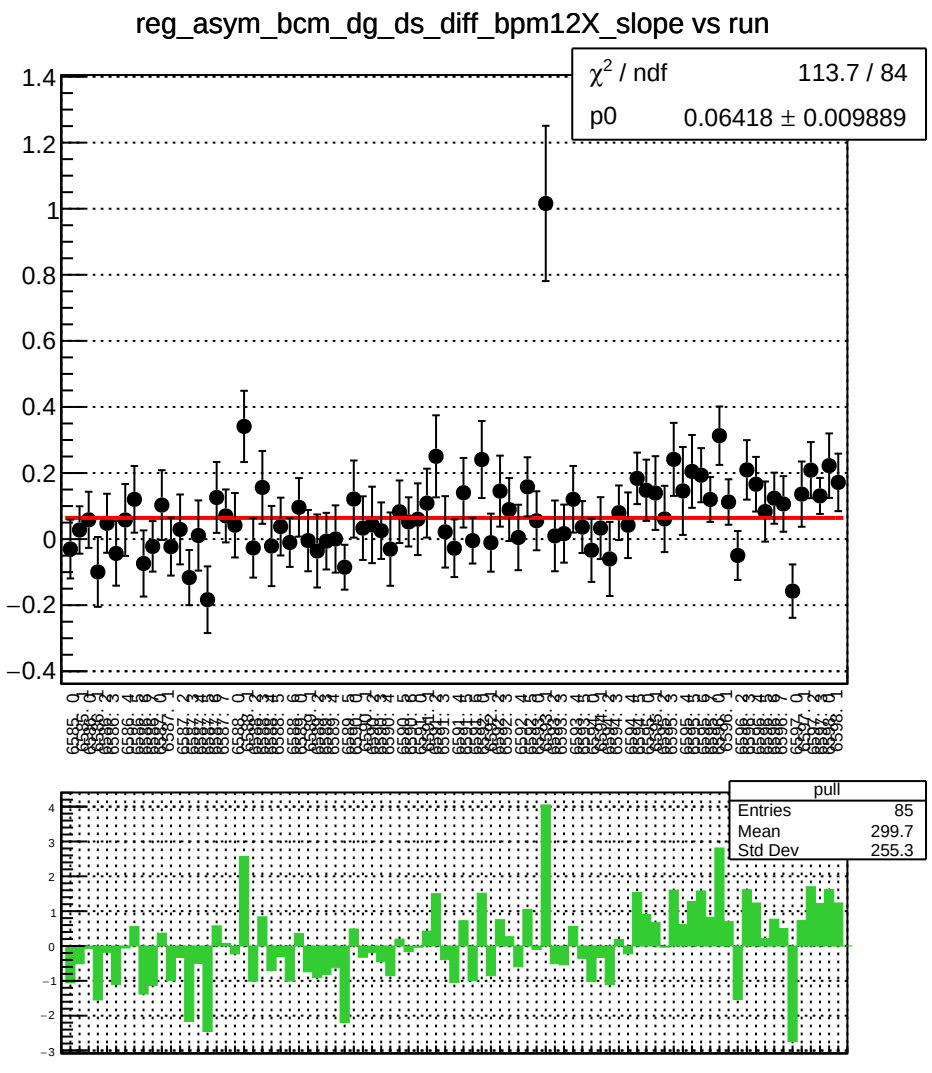

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 621 / 84
p0 −11.96 ± 0.2315
pull
Entries 85
Mean 12.45
Std Dev 33.18
pull1D
Entries 85
Mean −0.1324
Std Dev 1.99

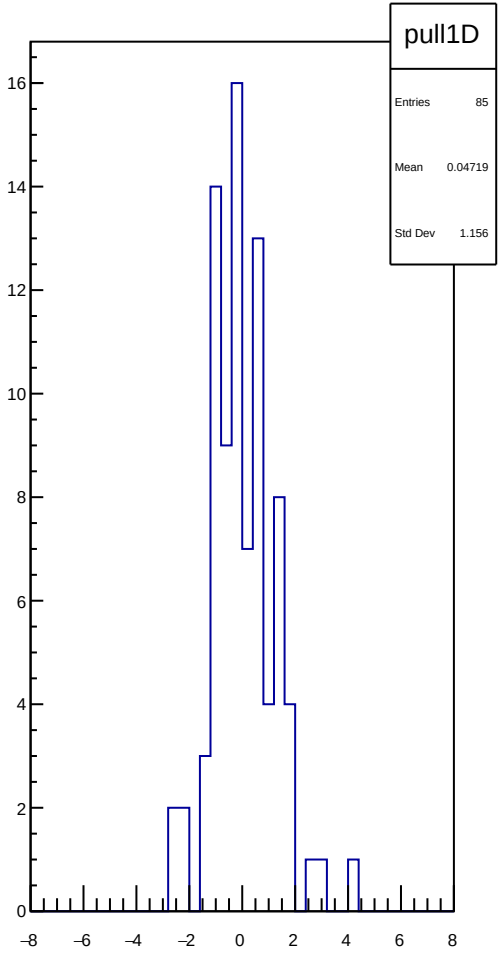

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 128.5 / 84
p0 1.426 ± 0.1665
pull
Entries 85
Mean 5.094
Std Dev 66.43

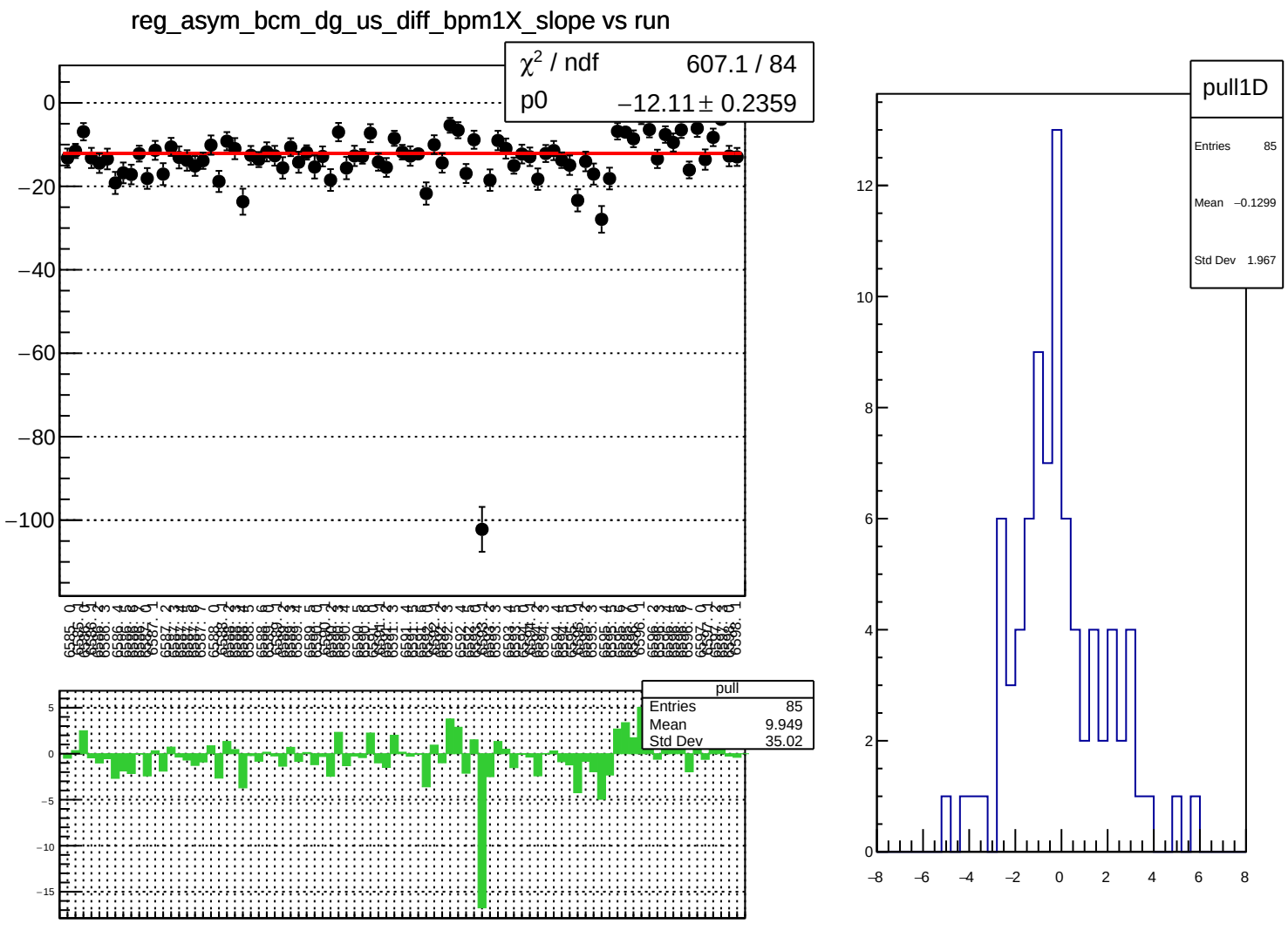

pull1D
Entries 85
Mean 0.048
Std Dev 1.229

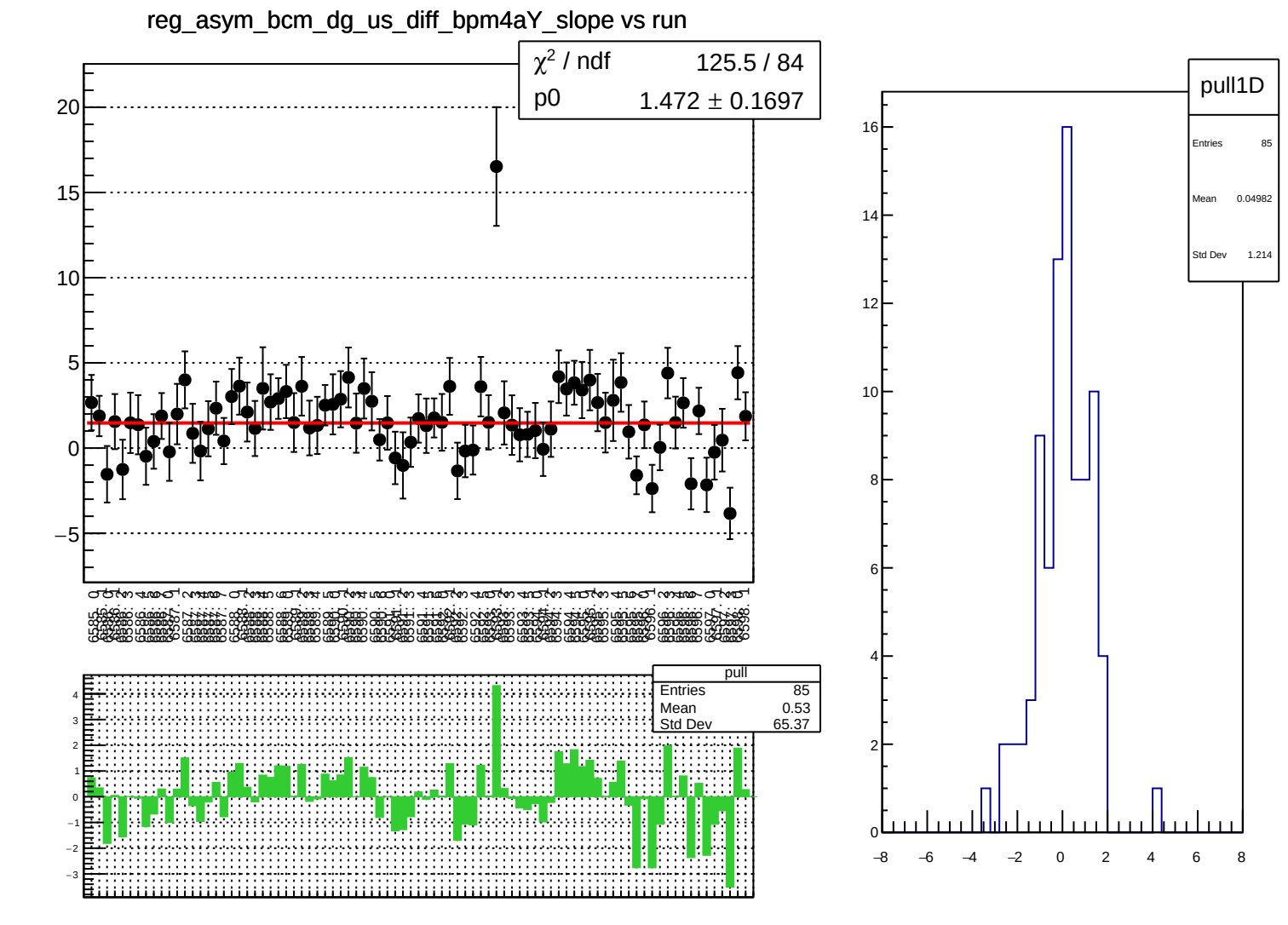

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 612.7 / 84
p0 12.77 ± 0.2462
pull
Entries 85
Mean 9.684
Std Dev 36.74
pull1D
Entries 85
Mean 0.1318
Std Dev 1.986

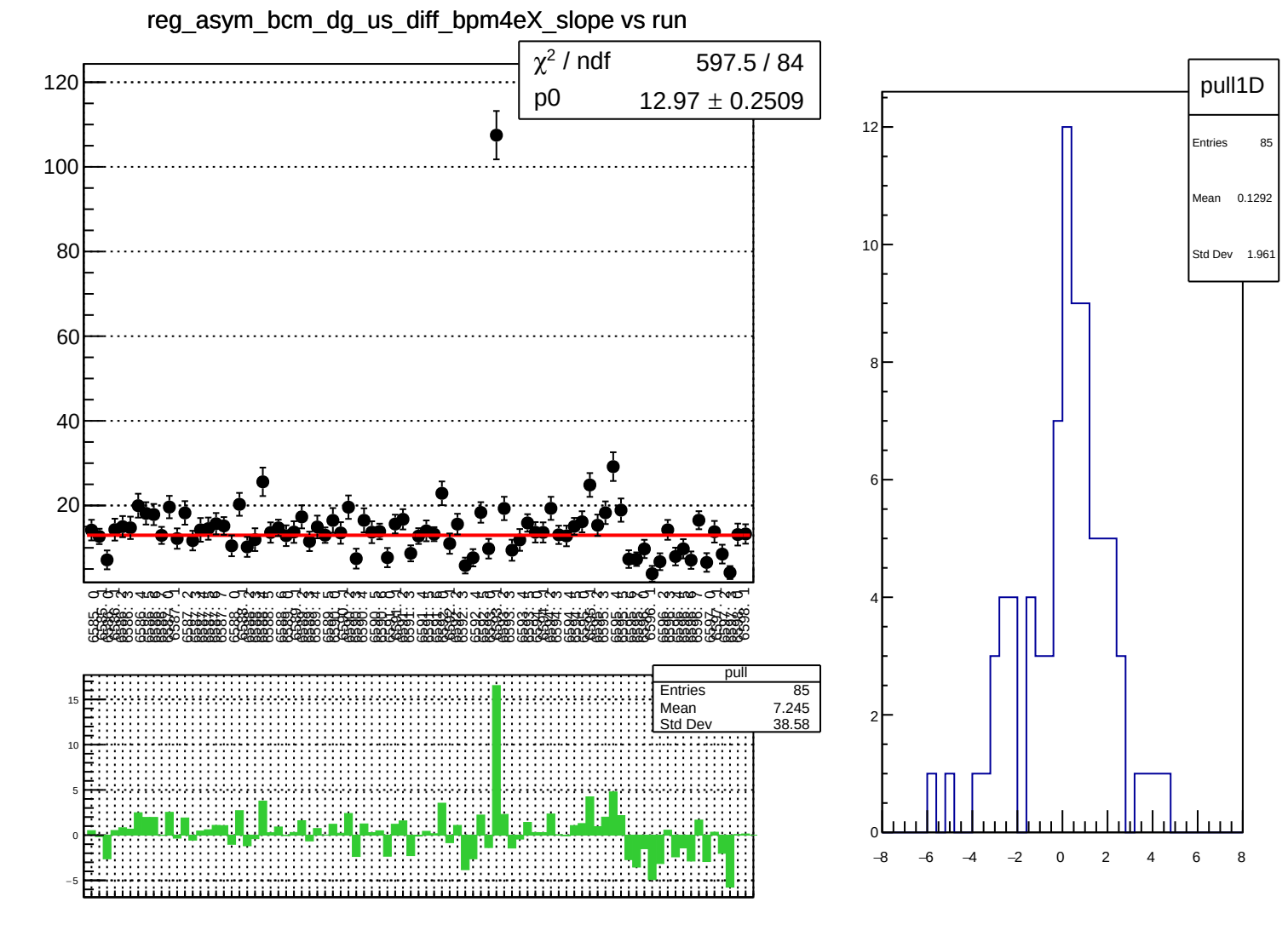

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 141.7 / 84
p0 −2.415 ± 0.1995
pull
Entries 85
Mean 25.71
Std Dev 51.97
pull1D
Entries 85
Mean −0.06856
Std Dev 1.289

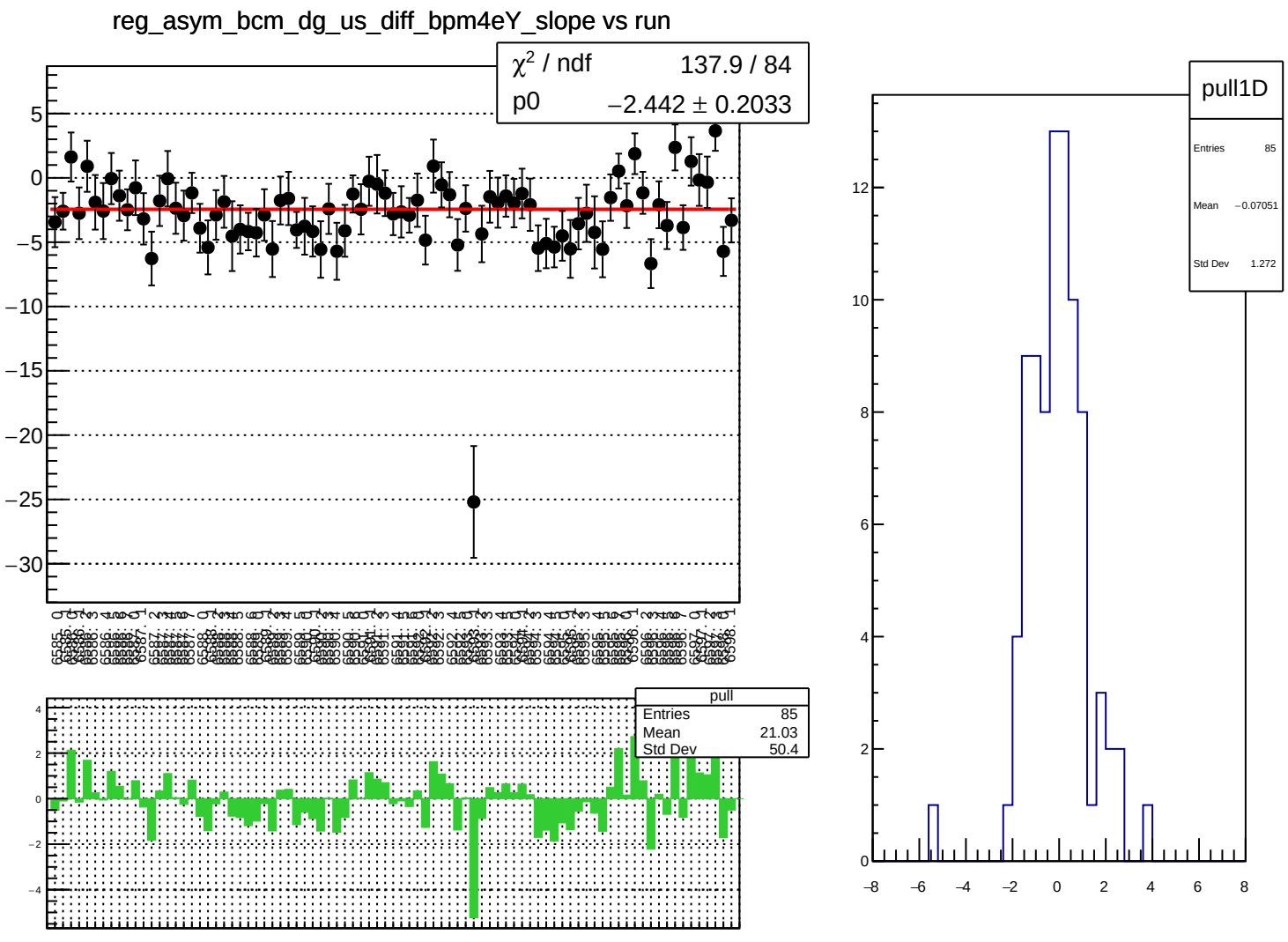

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 113.7 / 84
p0 0.06418 ± 0.009889
pull
Entries 85
Mean 299.7
Std Dev 255.3

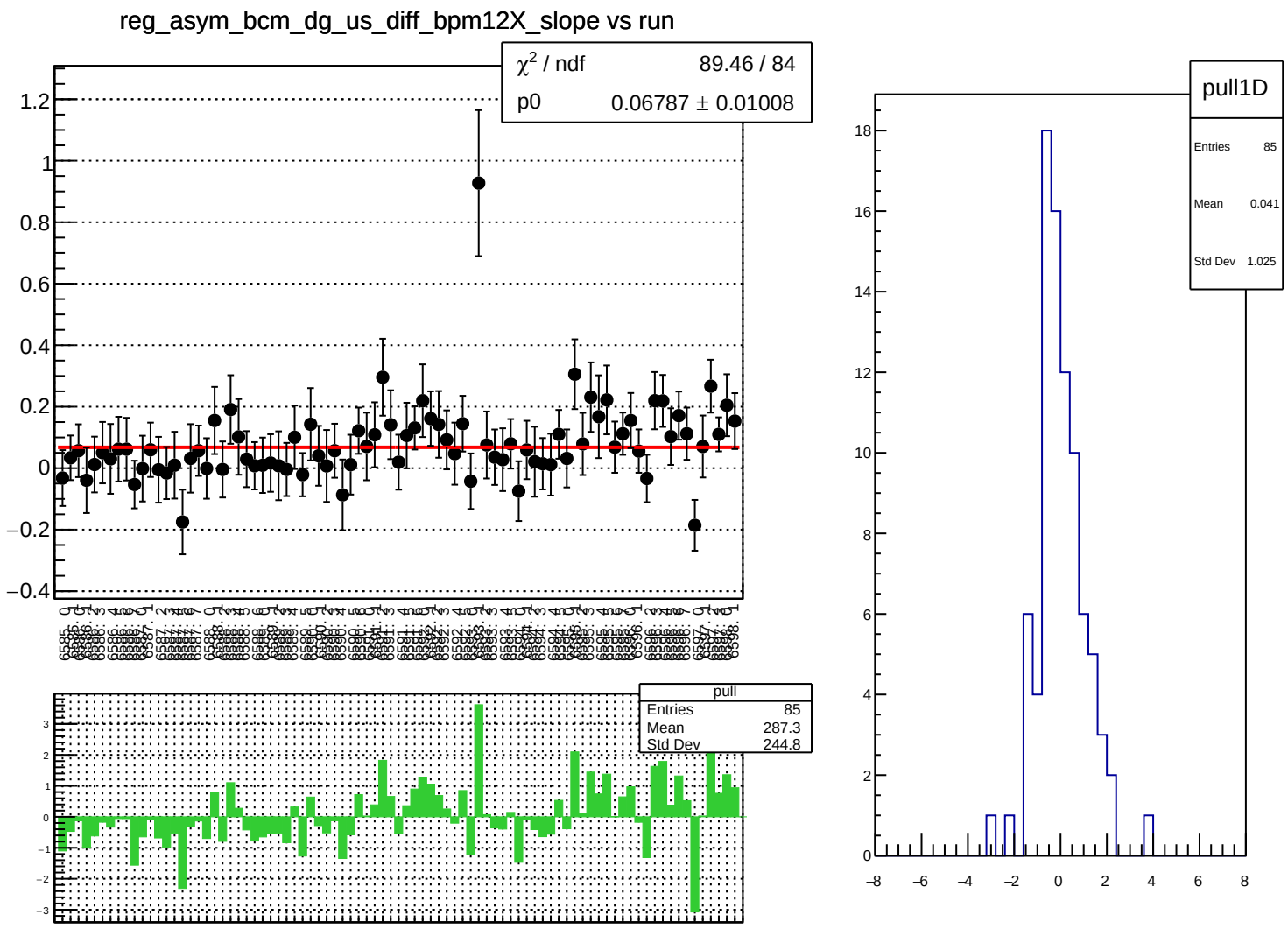

pull1D
Entries 85
Mean 0.04719
Std Dev 1.156


reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 607.1 / 84
p0 −12.11 ± 0.2359
0
−20
−40
−60
−80
−100
pull
Entries 85
Mean 9.949
Std Dev 35.02
5
0
−5
−10
−15
pull1D
Entries 85
Mean −0.1299
Std Dev 1.967
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 125.5 / 84
p0 1.472 ± 0.1697
pull
Entries 85
Mean 0.53
Std Dev 65.37
pull1D
Entries 85
Mean 0.04982
Std Dev 1.214


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 597.5 / 84
p0 12.97 ± 0.2509
pull
Entries 85
Mean 7.245
Std Dev 38.58
pull1D
Entries 85
Mean 0.1292
Std Dev 1.961


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 137.9 / 84
p0 −2.442 ± 0.2033
pull
Entries 85
Mean 21.03
Std Dev 50.4
pull1D
Entries 85
Mean −0.07051
Std Dev 1.272


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 89.46 / 84
p0 0.06787 ± 0.01008
pull
Entries 85
Mean 287.3
Std Dev 244.8
pull1D
Entries 85
Mean 0.041
Std Dev 1.025