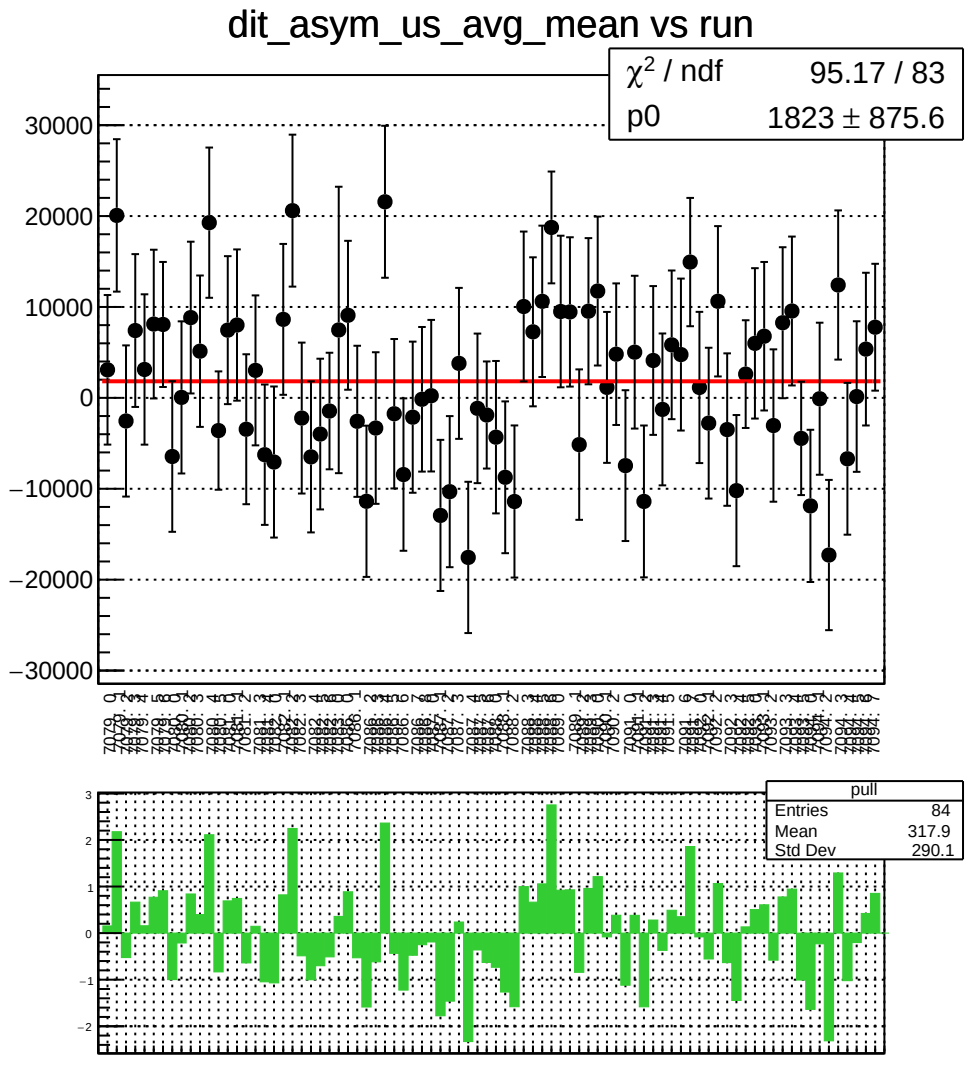
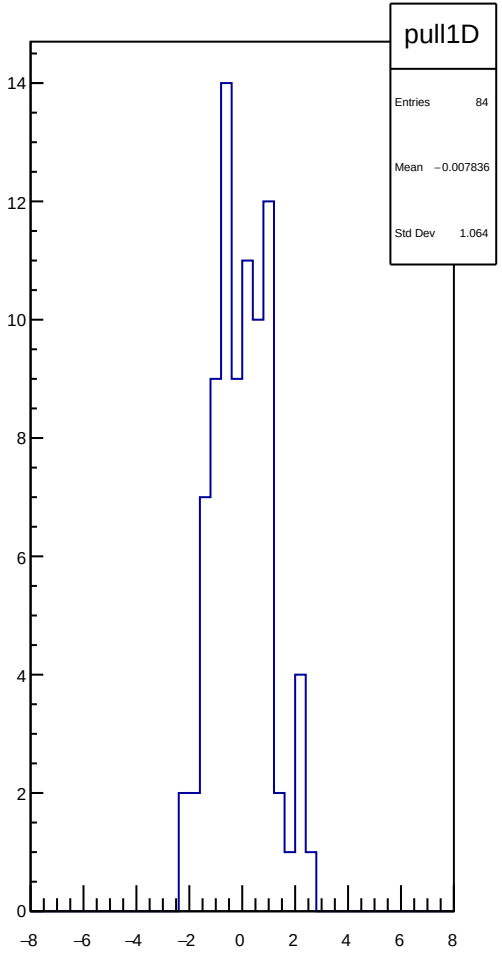
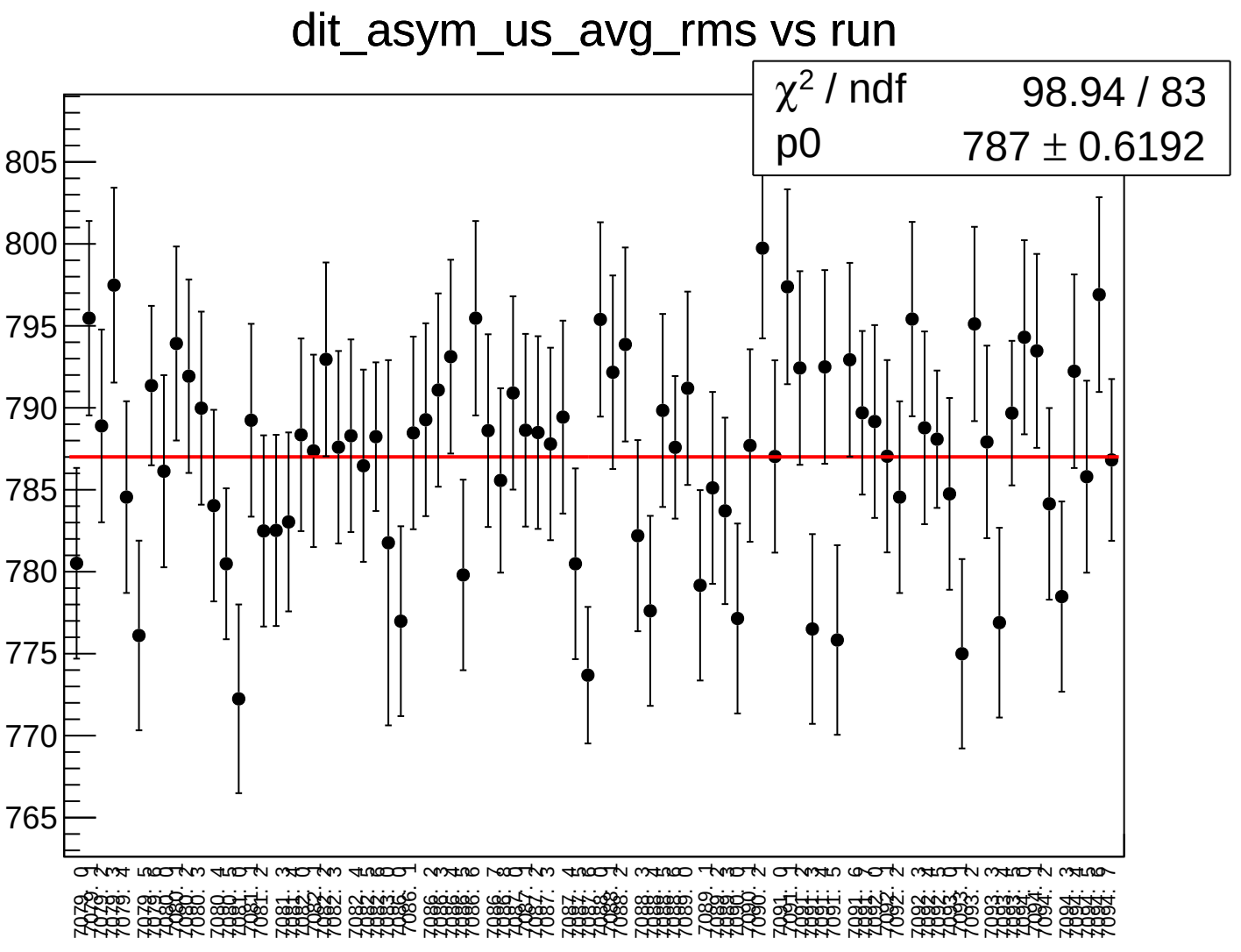
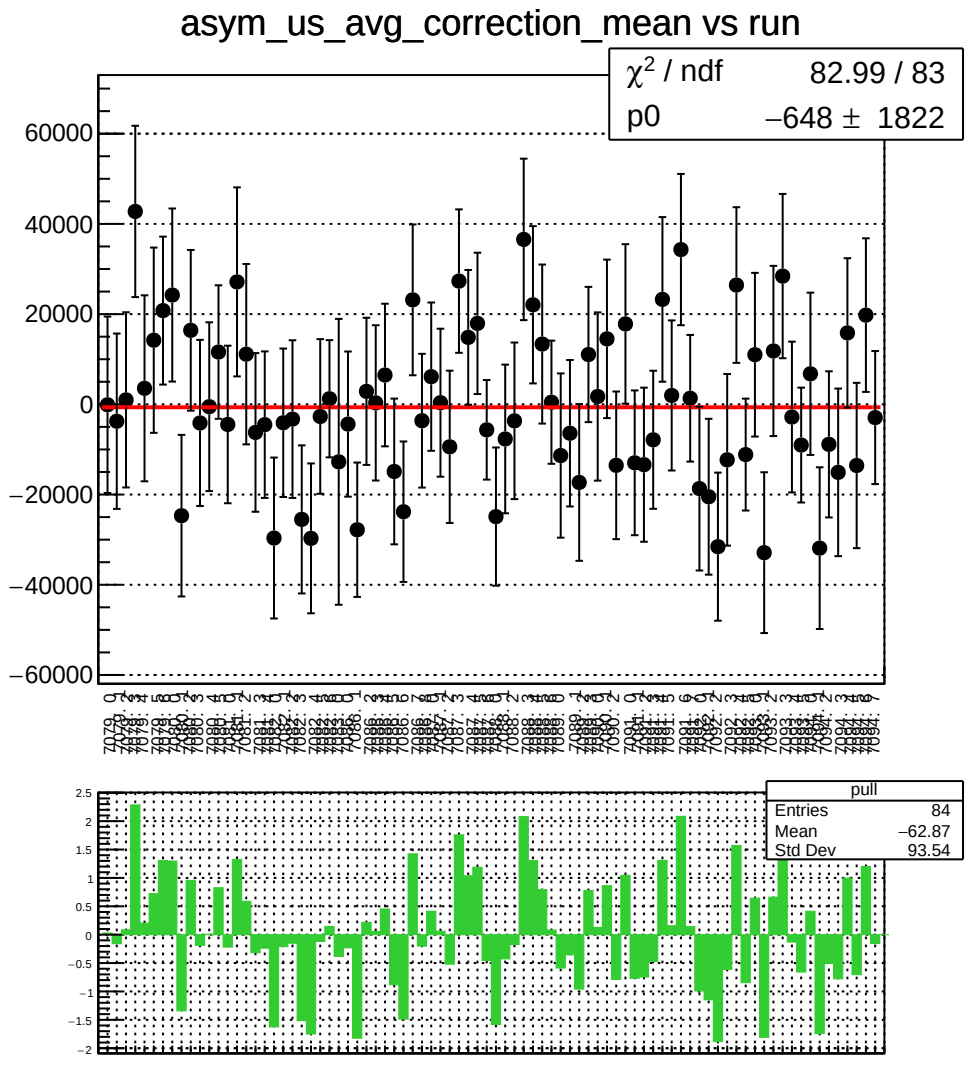
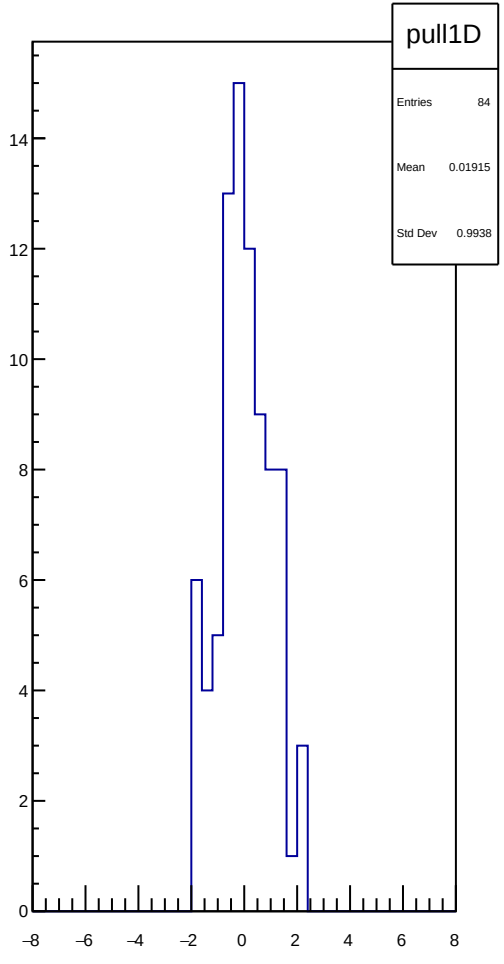
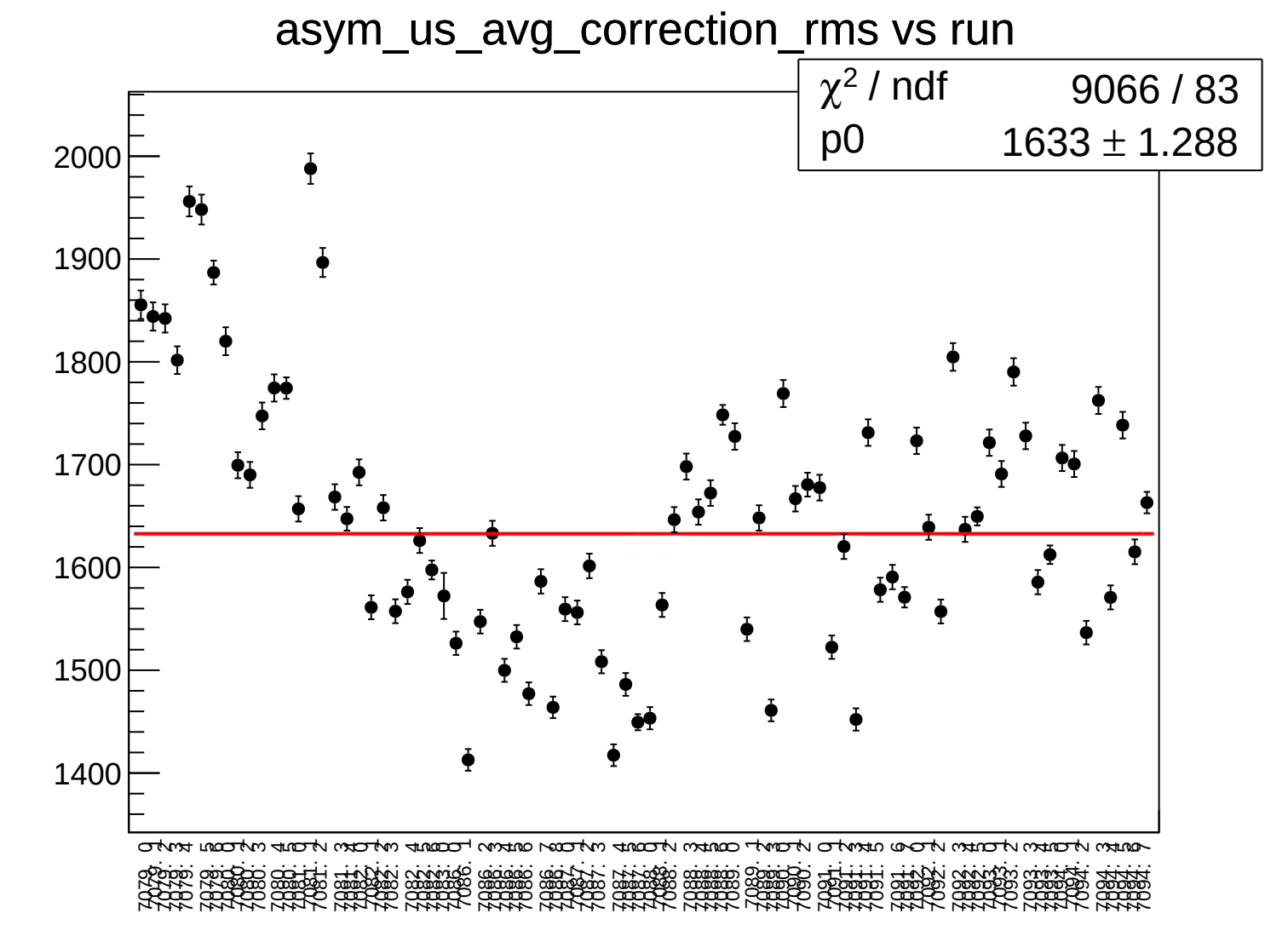

dit_asym_us_avg_mean vs run
χ² / ndf 95.17 / 83
p0 1823 ± 875.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 317.9
Std Dev 290.1
3
2
1
0
−1
−2

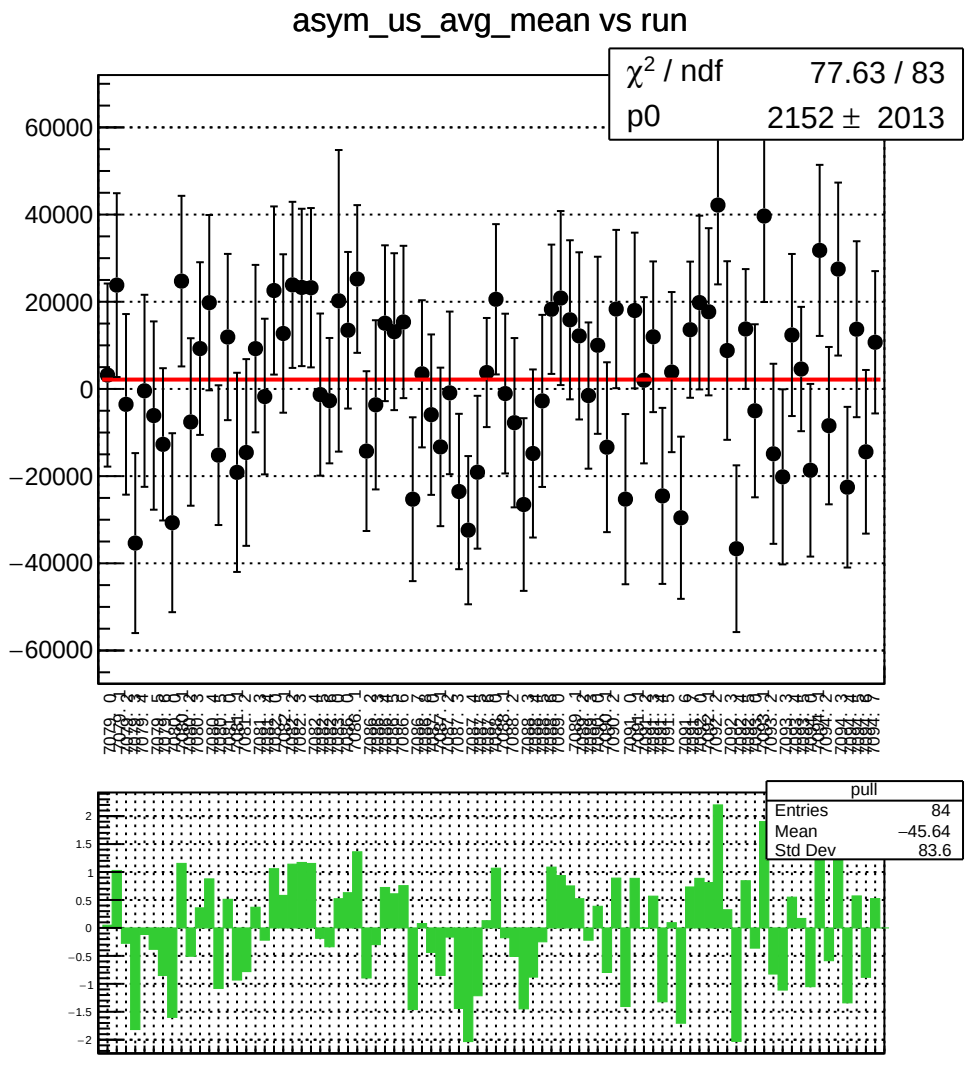

pull1D
Entries 84
Mean −0.007836
Std Dev 1.064
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

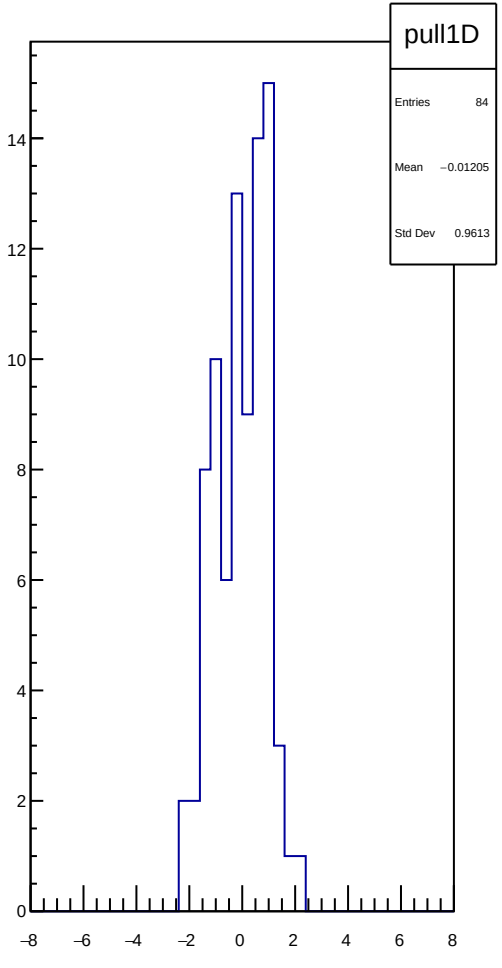

dit_asym_us_avg_rms vs run
χ² / ndf 98.94 / 83
p0 787 ± 0.6192
805
800
795
790
785
780
775
770
765

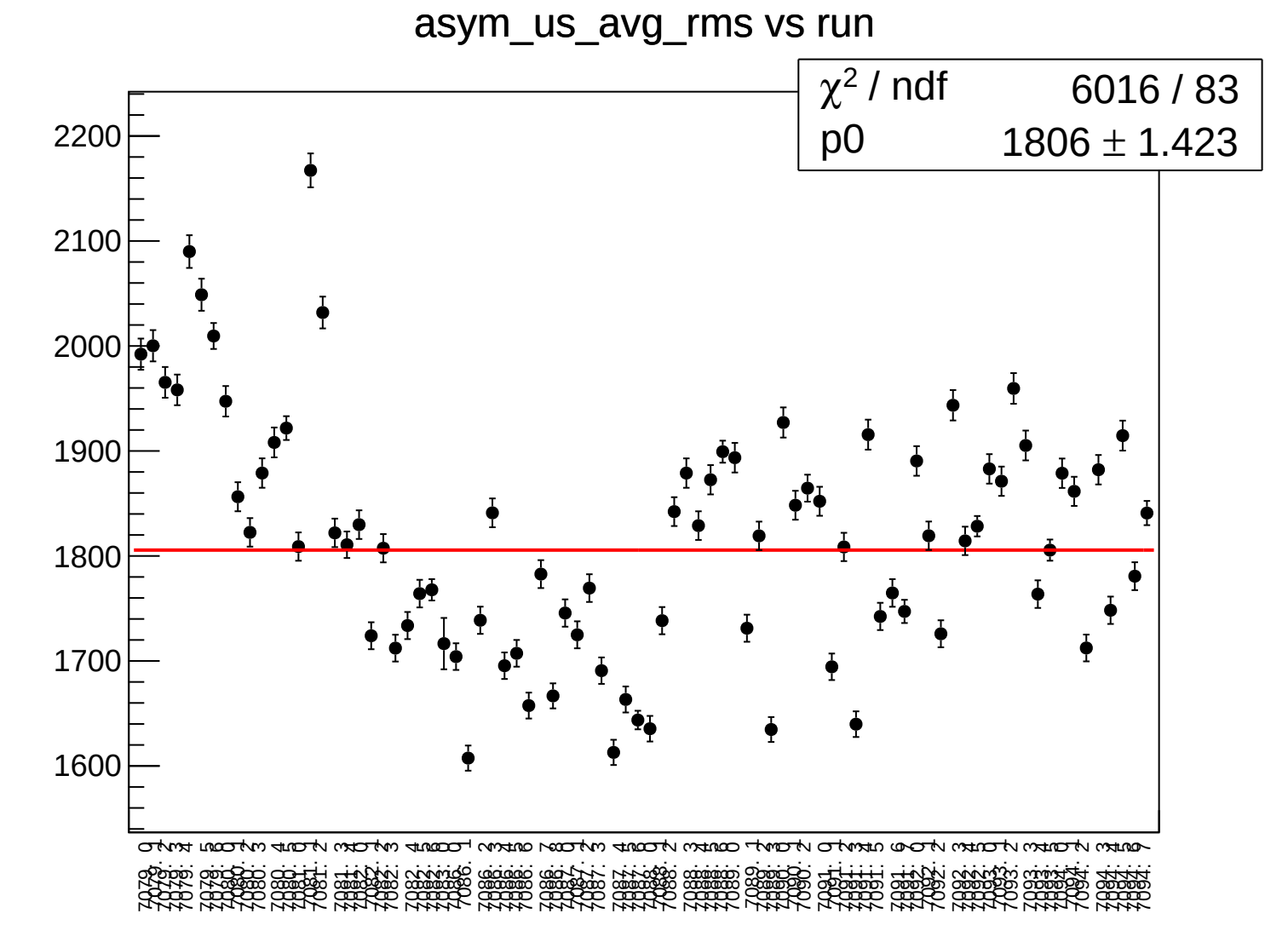

asym_us_avg_correction_mean vs run
χ² / ndf 82.99 / 83
p0 −648 ± 1822
pull
Entries 84
Mean −62.87
Std Dev 93.54

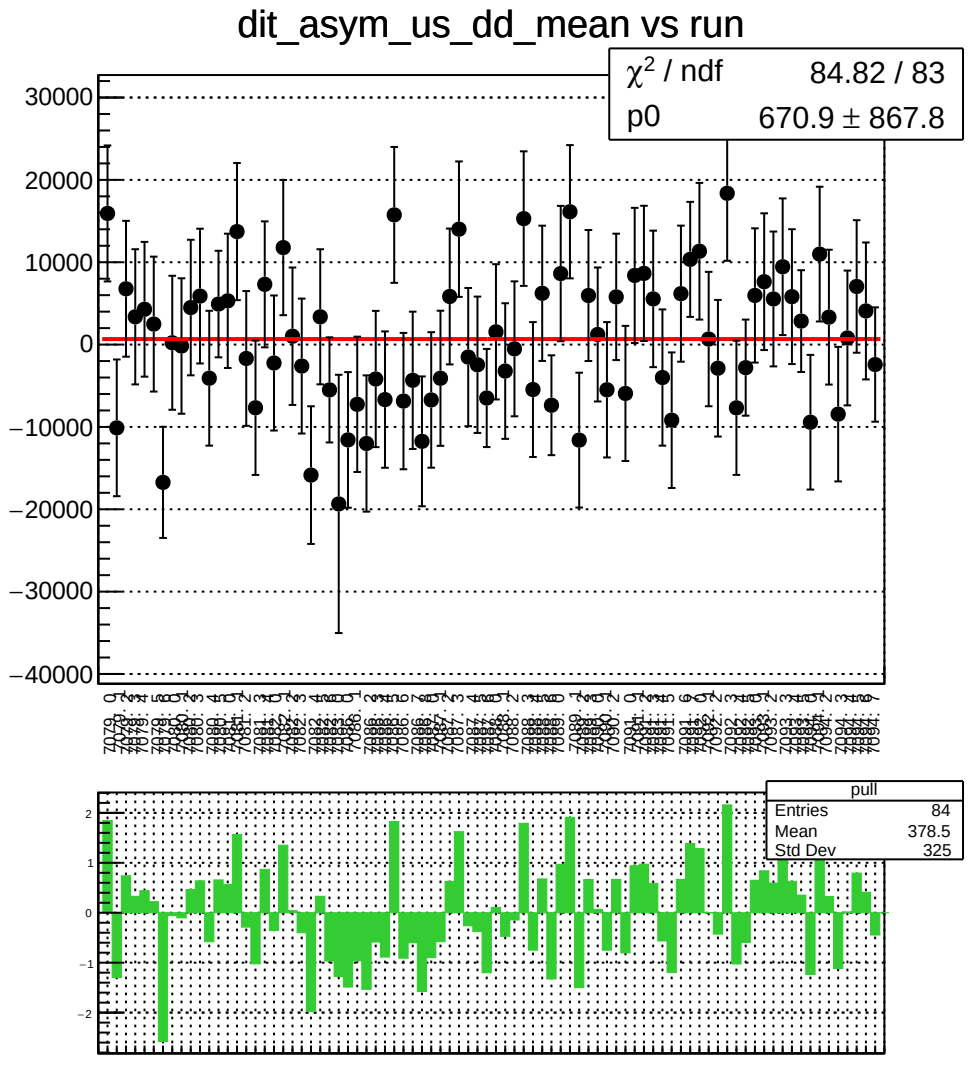

pull1D
Entries 84
Mean 0.01915
Std Dev 0.9938

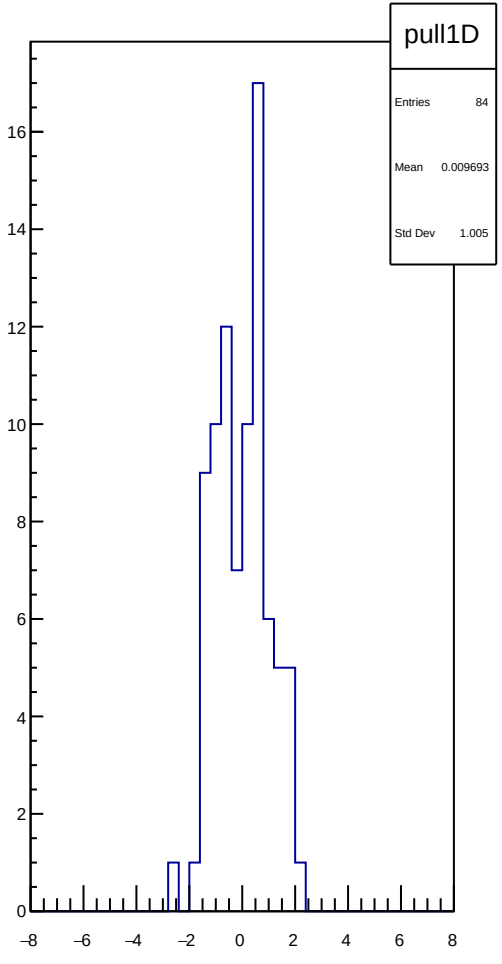

asym_us_avg_correction_rms vs run
χ² / ndf 9066 / 83
p0 1633 ± 1.288
2000
1900
1800
1700
1600
1500
1400

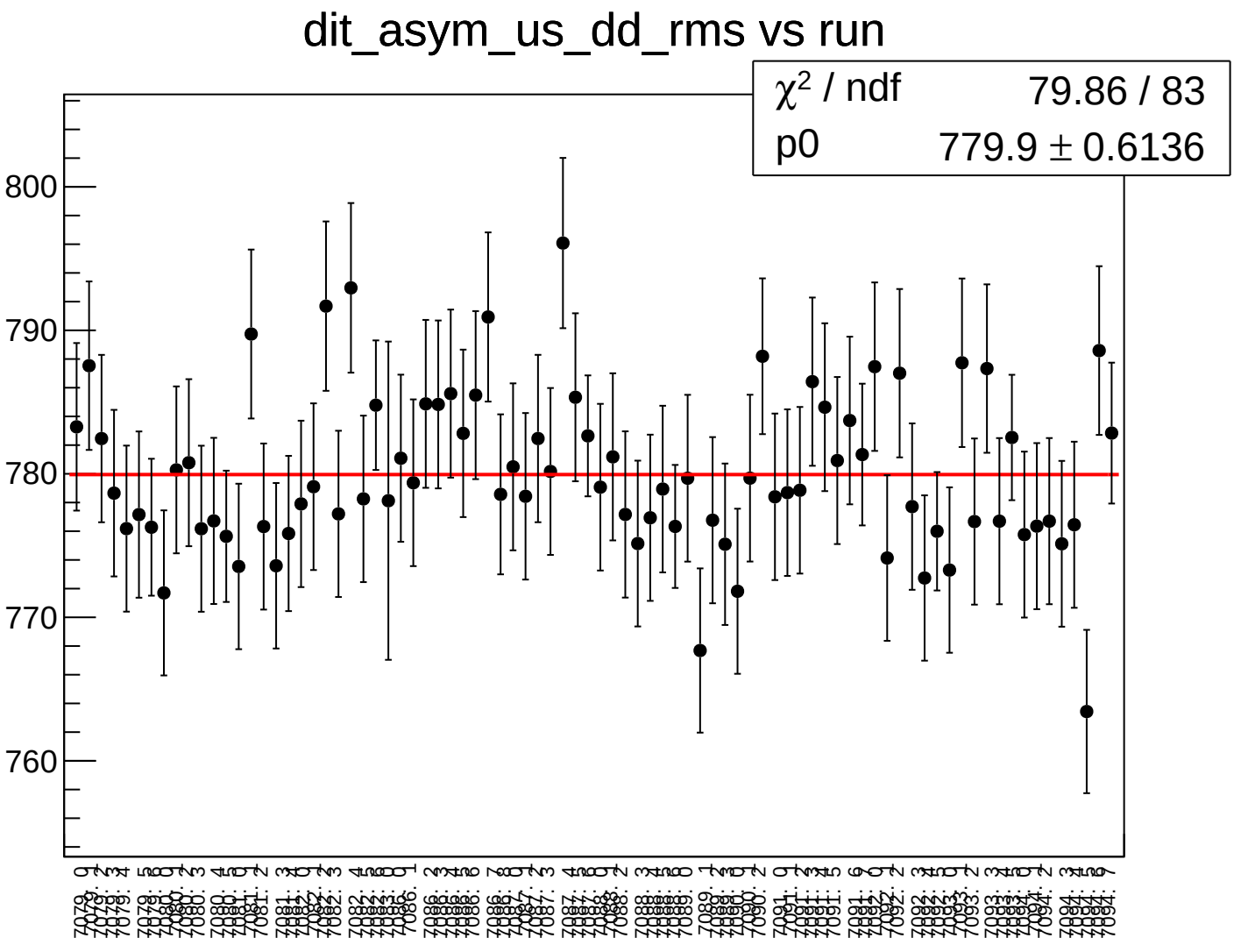

asym_us_avg_mean vs run
χ² / ndf 77.63 / 83
p0 2152 ± 2013
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −45.64
Std Dev 83.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

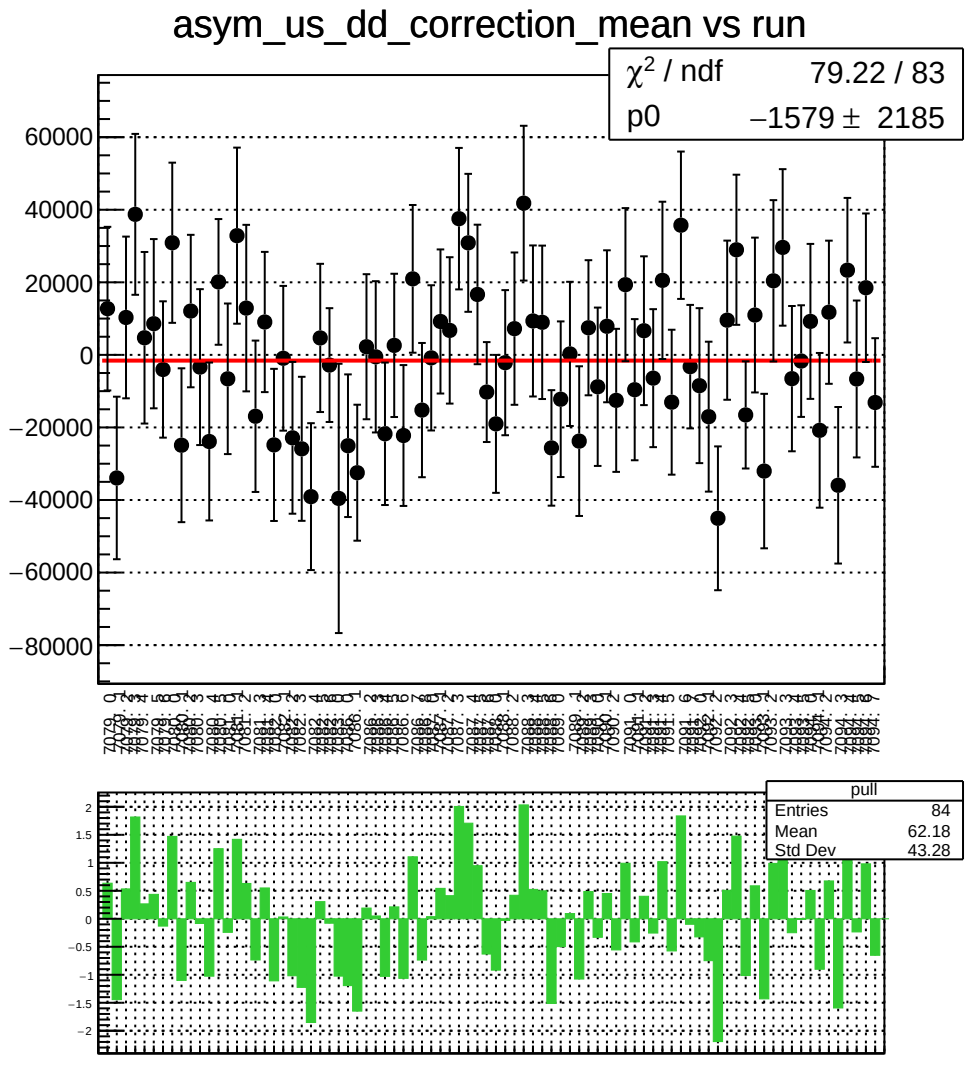

pull1D
Entries 84
Mean −0.01205
Std Dev 0.9613
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

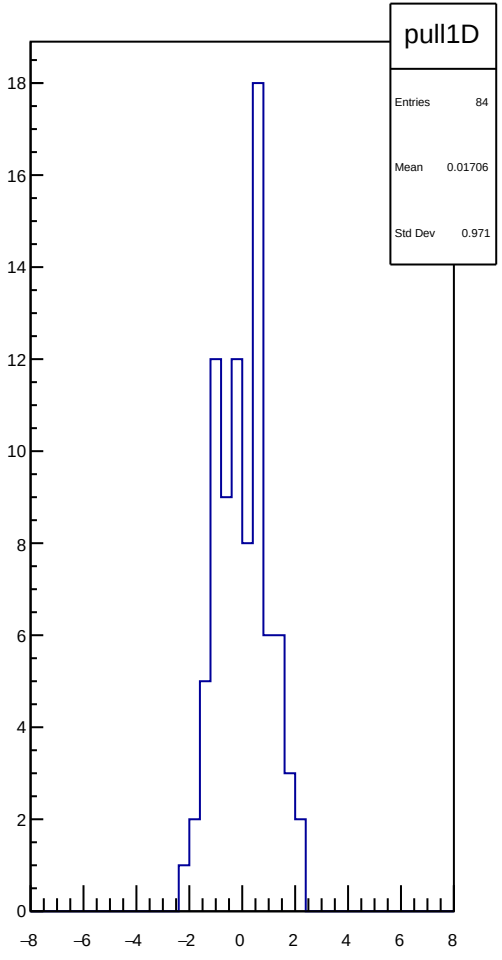

asym_us_avg_rms vs run
χ^2 / ndf 6016 / 83
p0 1806 ± 1.423
2200
2100
2000
1900
1800
1700
1600

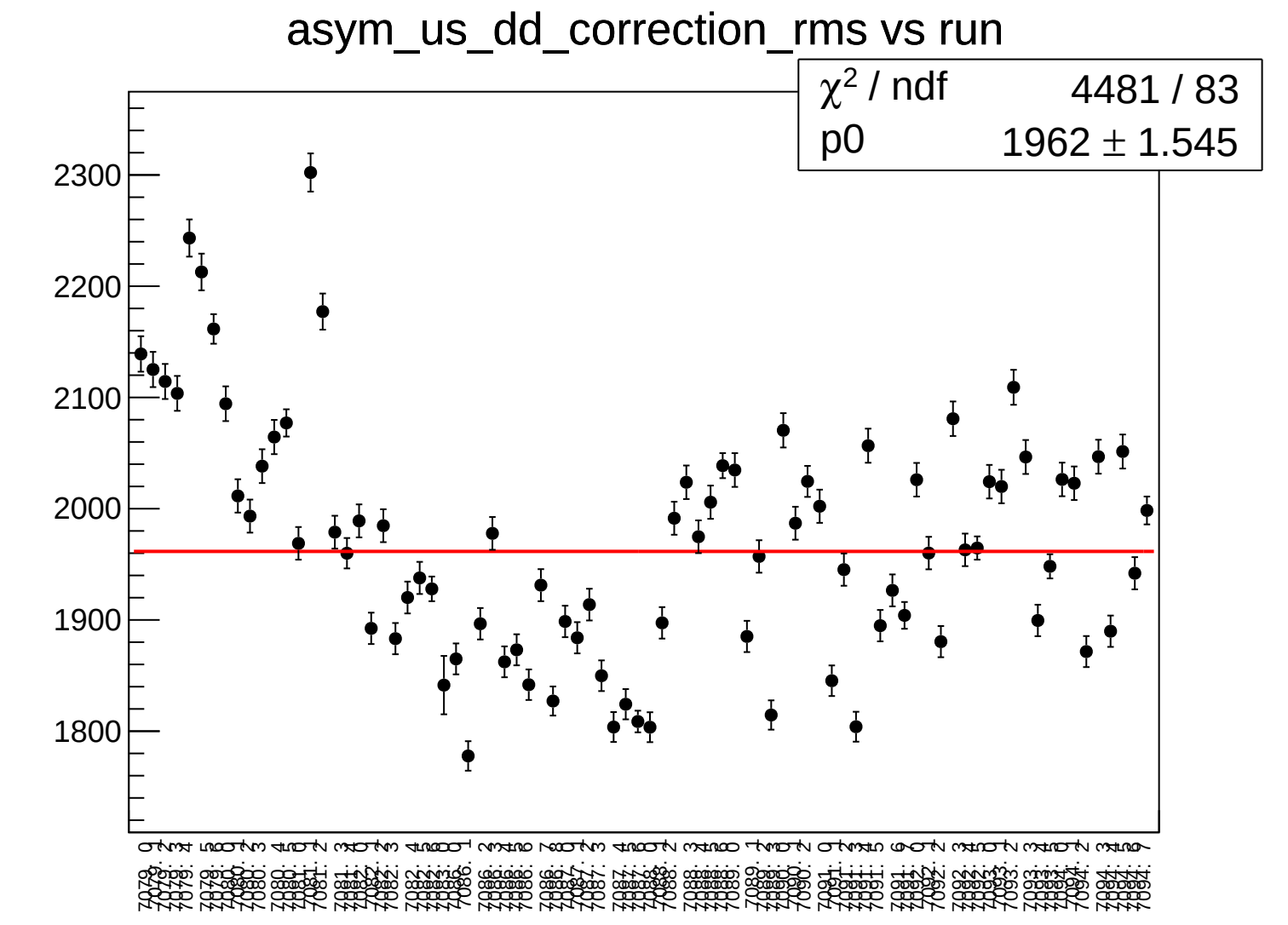

dit_asym_us_dd_mean vs run
χ^2 / ndf 84.82 / 83
p0 670.9 ± 867.8
pull
Entries 84
Mean 378.5
Std Dev 325

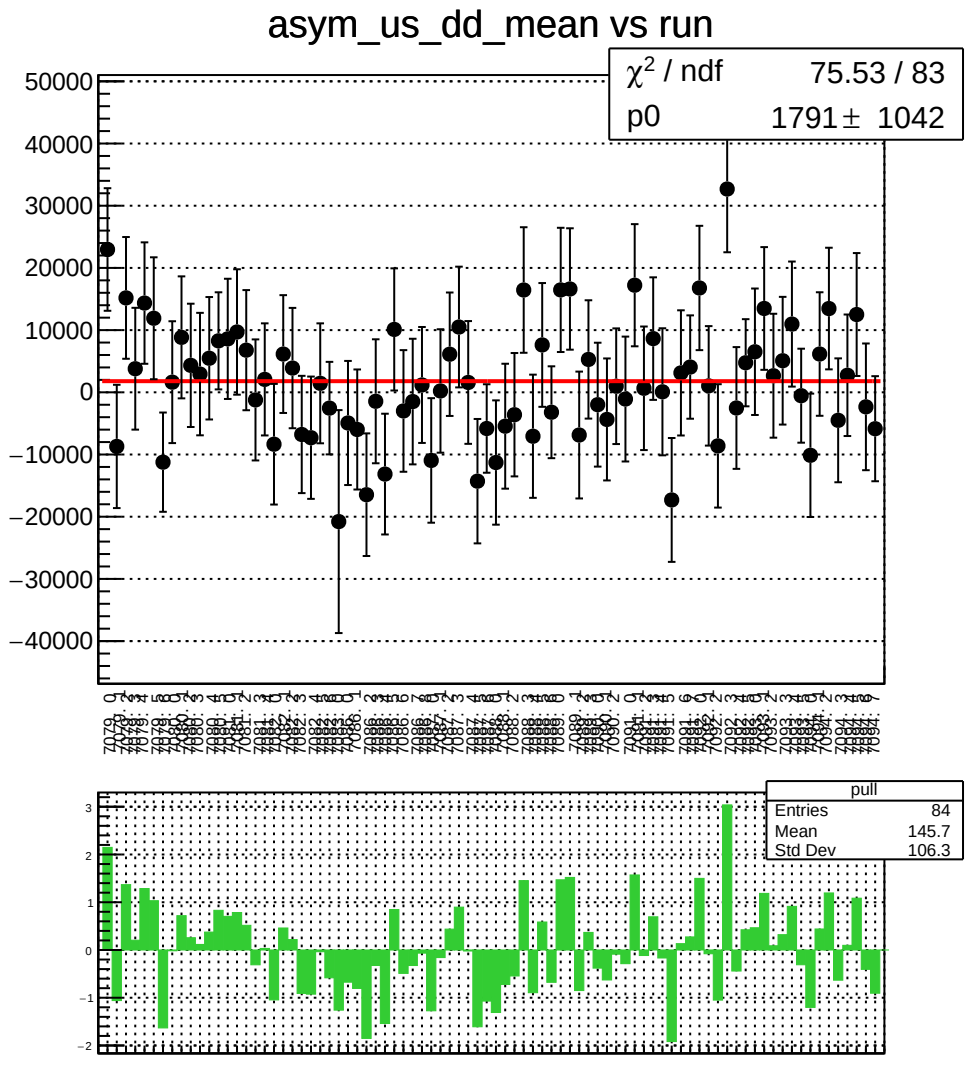

pull1D
Entries 84
Mean 0.009693
Std Dev 1.005

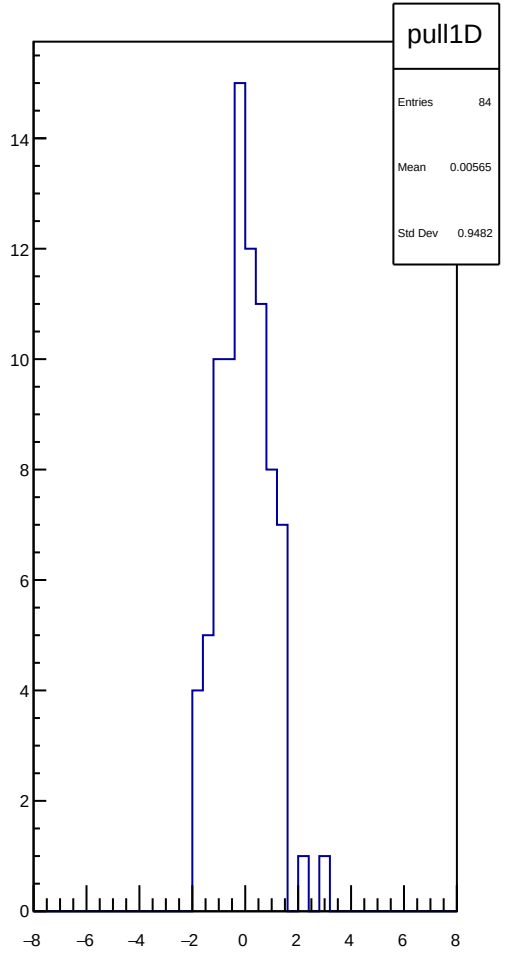

dit_asym_us_dd_rms vs run
χ² / ndf 79.86 / 83
p0 779.9 ± 0.6136
800
790
780
770
760

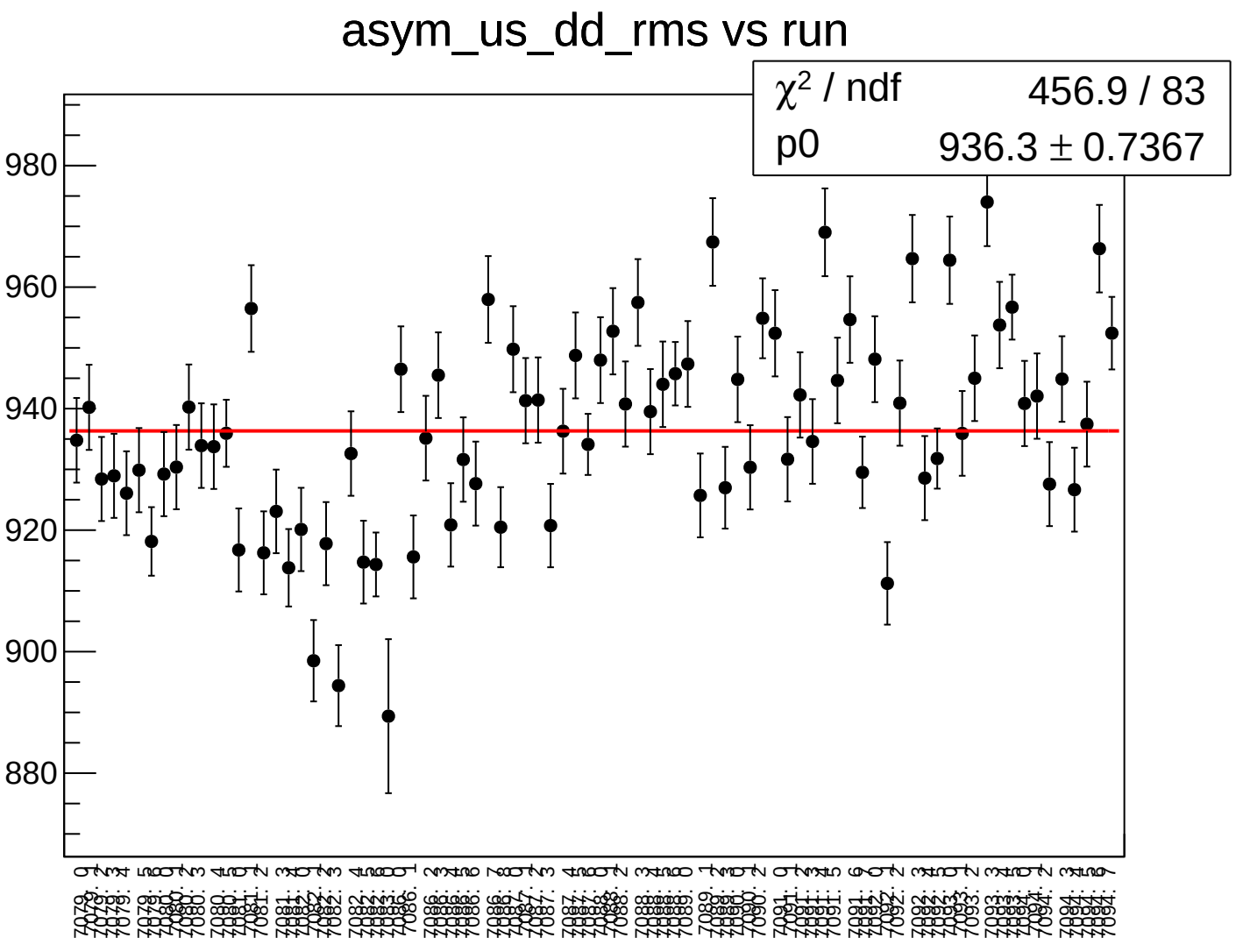

asym_us_dd_correction_mean vs run
χ² / ndf 79.22 / 83
p0 −1579 ± 2185
pull
Entries 84
Mean 62.18
Std Dev 43.28

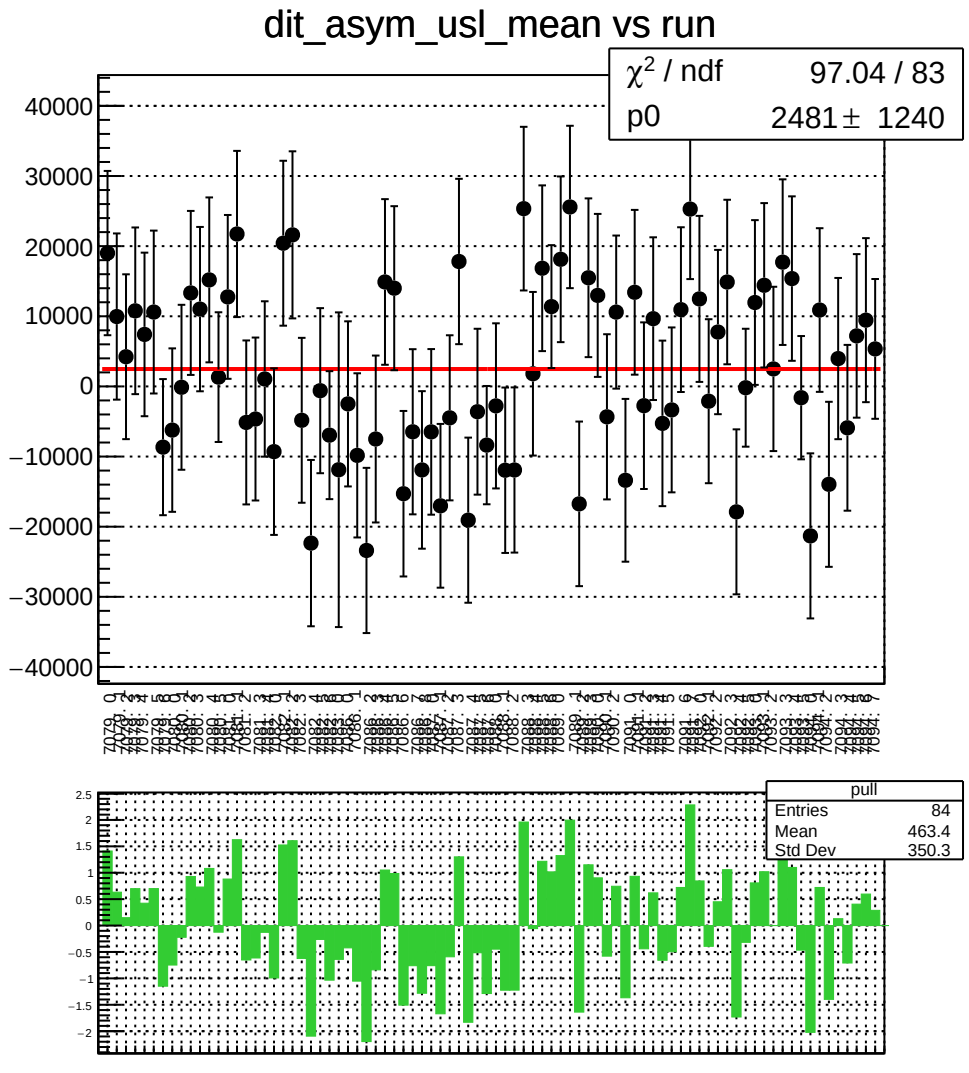

pull1D
Entries 84
Mean 0.01706
Std Dev 0.971

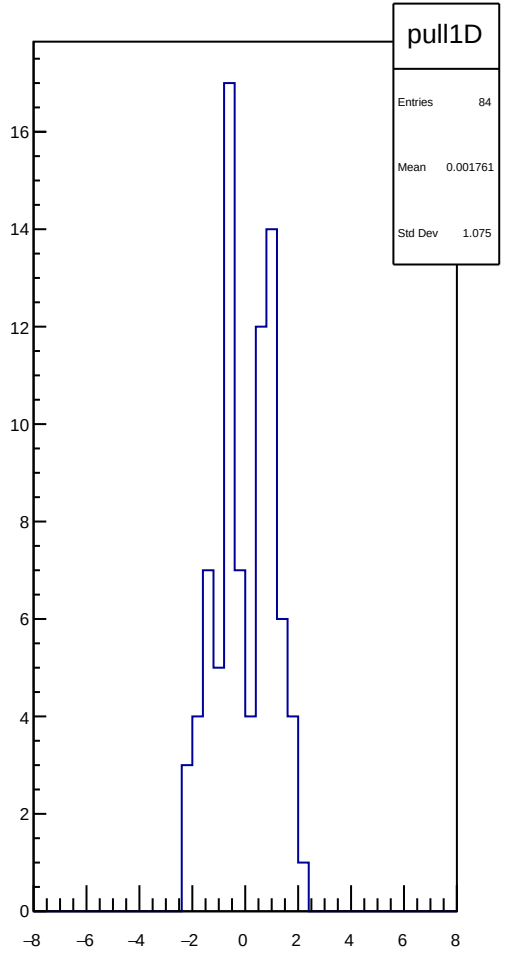

asym_us_dd_correction_rms vs run
χ² / ndf 4481 / 83
p0 1962 ± 1.545
2300
2200
2100
2000
1900
1800

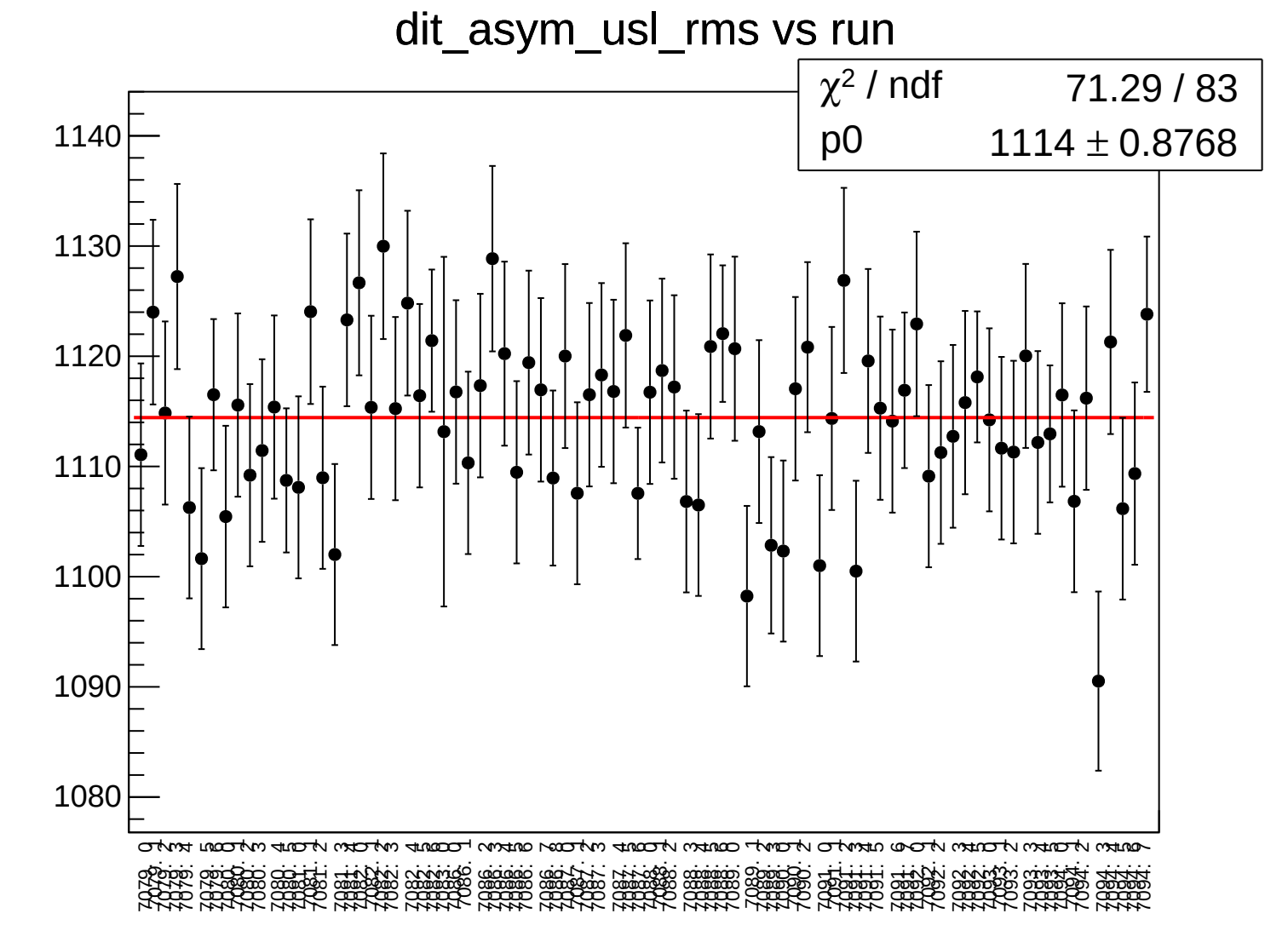

asym_us_dd_mean vs run
χ² / ndf 75.53 / 83
p0 1791 ± 1042
pull
Entries 84
Mean 145.7
Std Dev 106.3

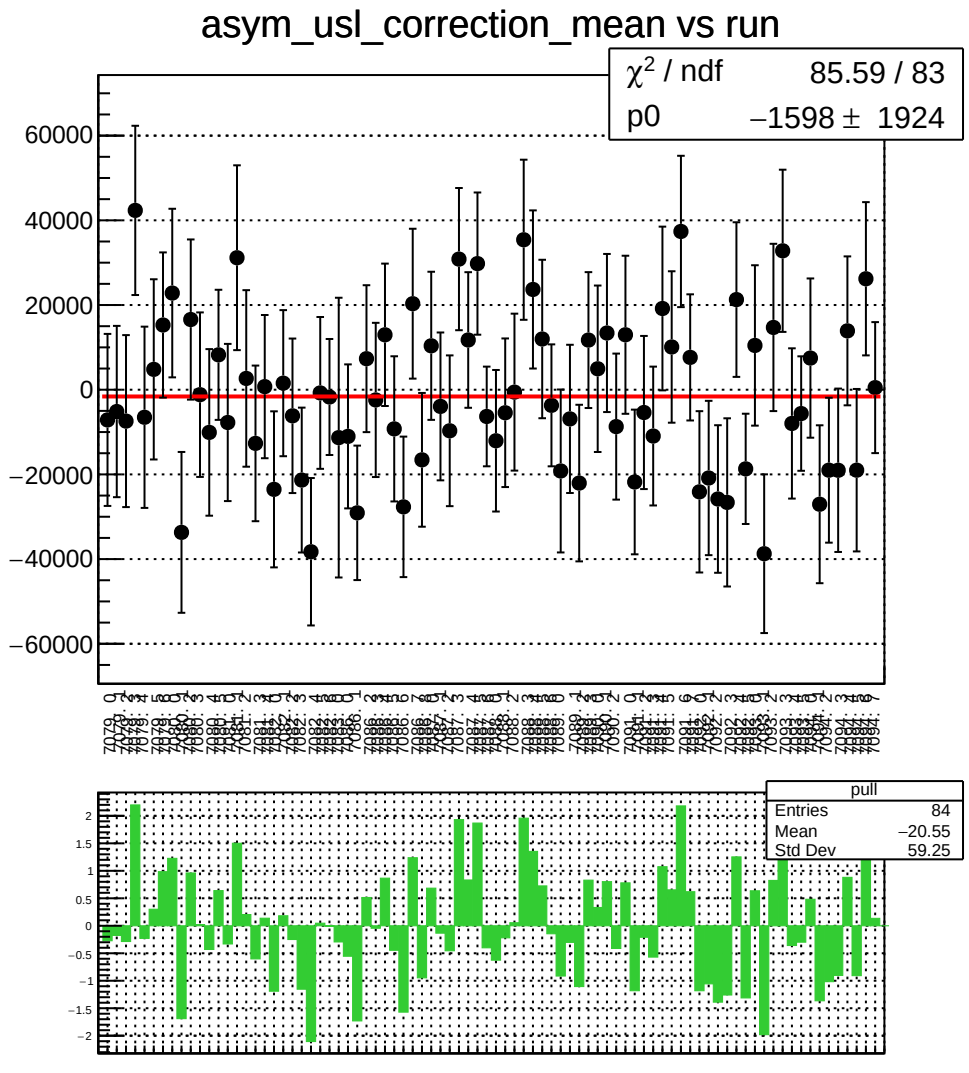

pull1D
Entries 84
Mean 0.00565
Std Dev 0.9482

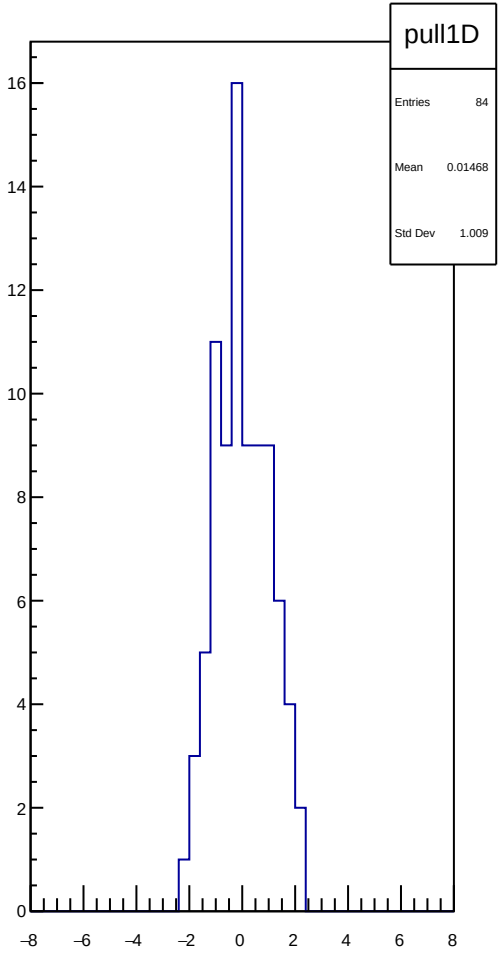

asym_us_dd_rms vs run
χ² / ndf 456.9 / 83
p0 936.3 ± 0.7367
980
960
940
920
900
880

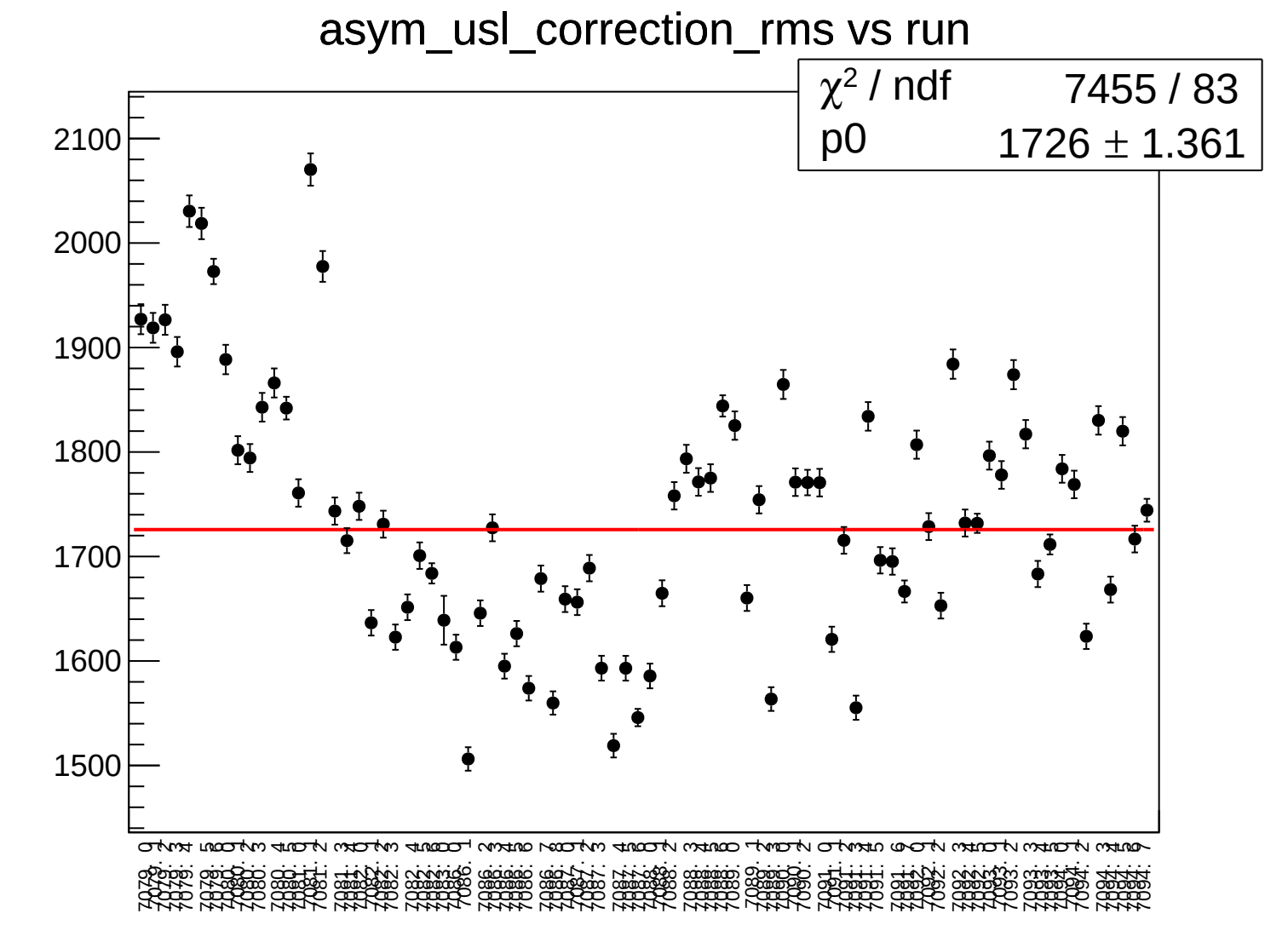

dit_asym_usl_mean vs run
χ² / ndf 97.04 / 83
p0 2481 ± 1240
pull
Entries 84
Mean 463.4
Std Dev 350.3

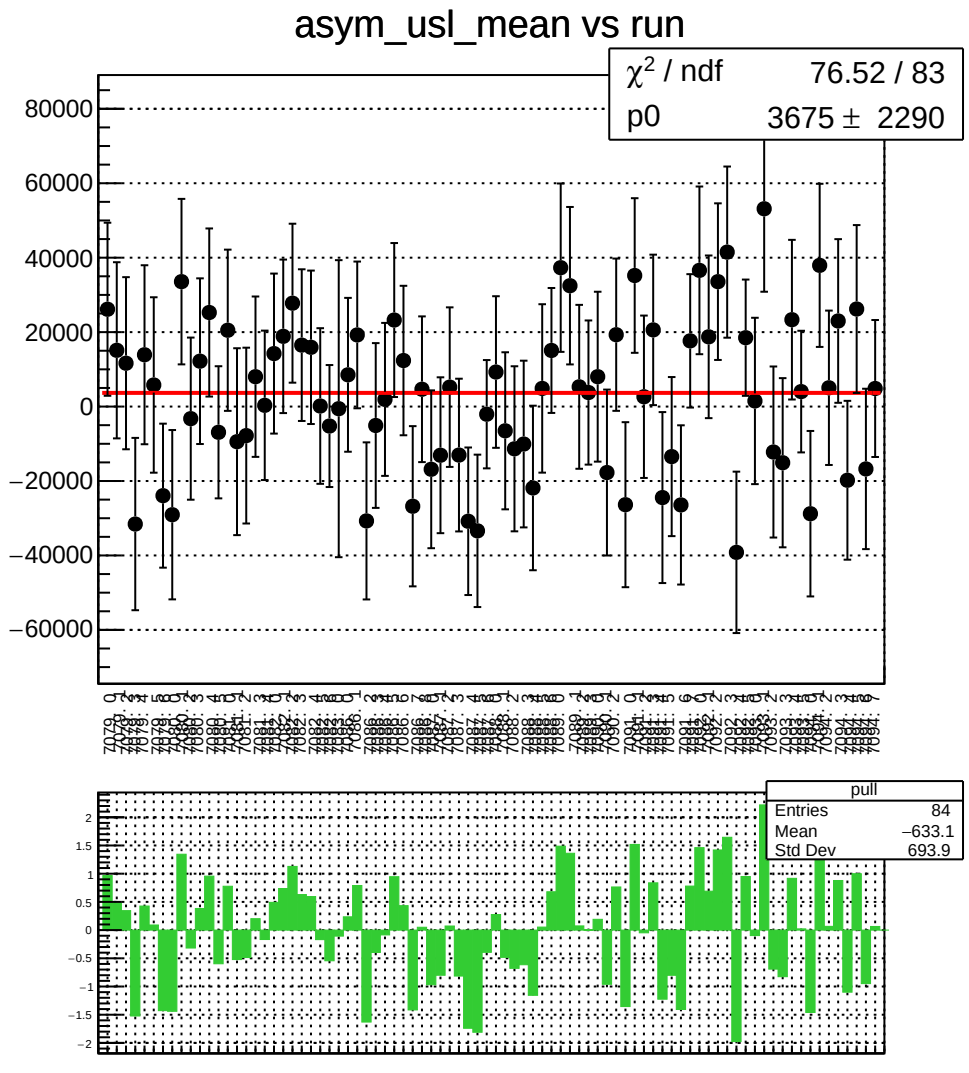

pull1D
Entries 84
Mean 0.001761
Std Dev 1.075

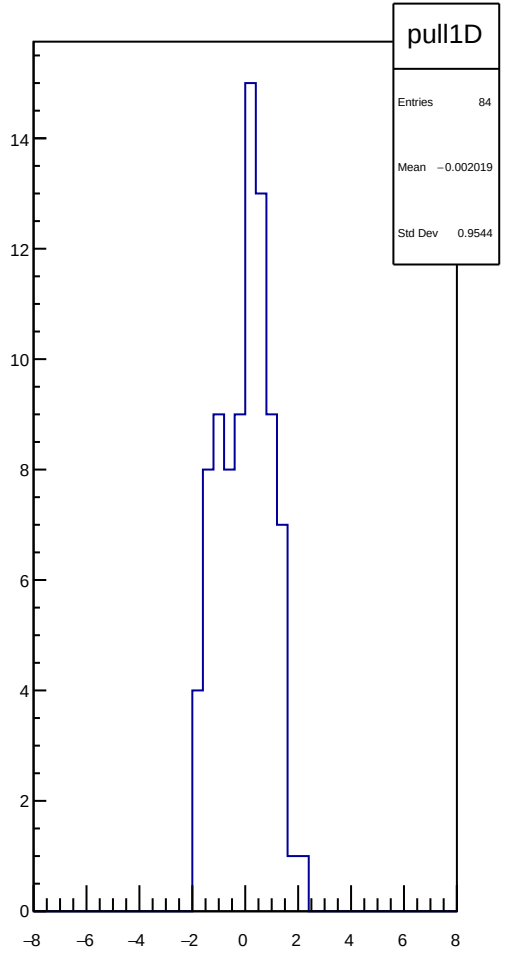

dit_asym_usl_rms vs run
χ^2 / ndf 71.29 / 83
p0 1114 ± 0.8768
1140
1130
1120
1110
1100
1090
1080

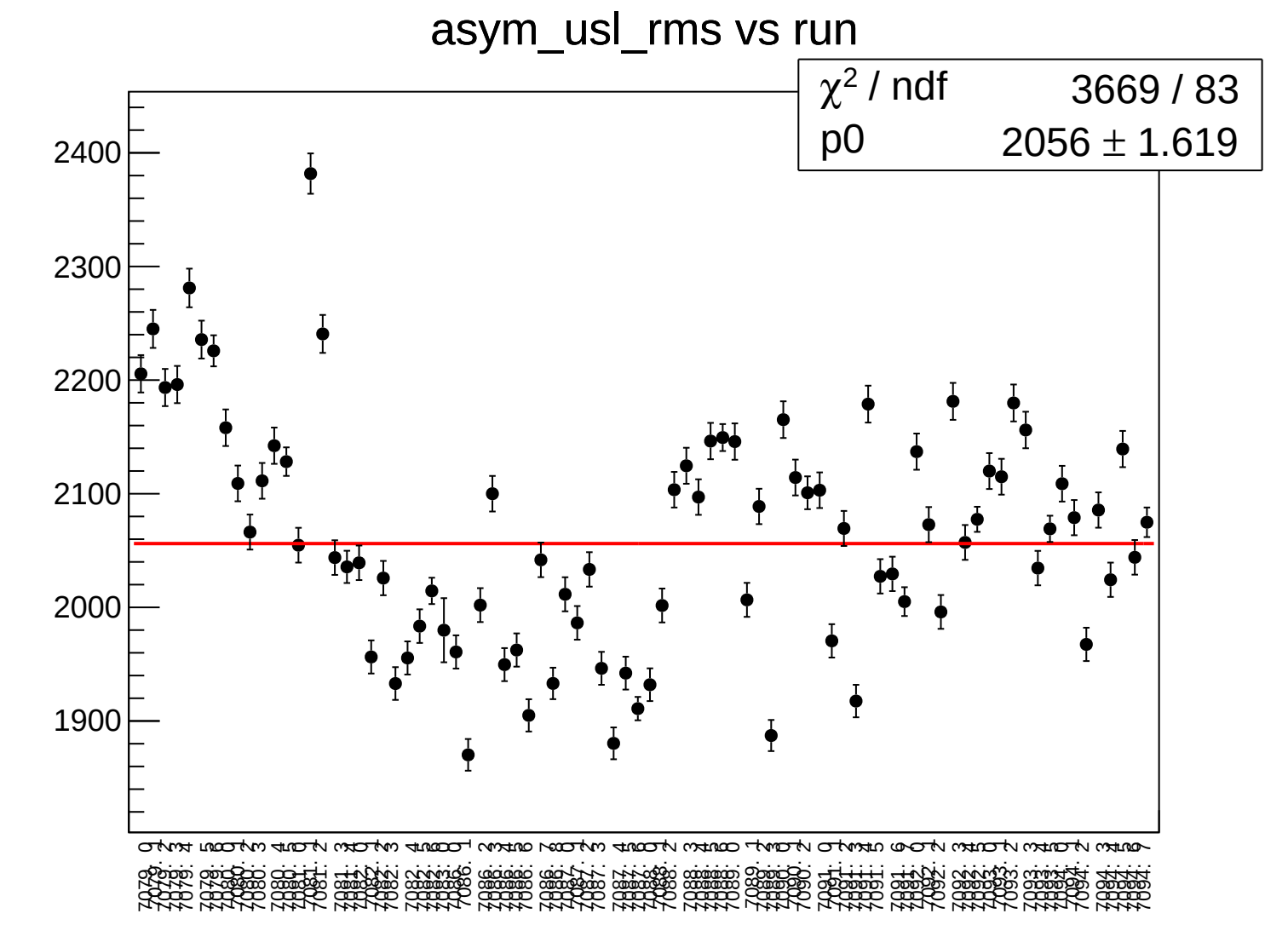

asym_usl_correction_mean vs run
χ² / ndf 85.59 / 83
p0 −1598 ± 1924
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −20.55
Std Dev 59.25
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

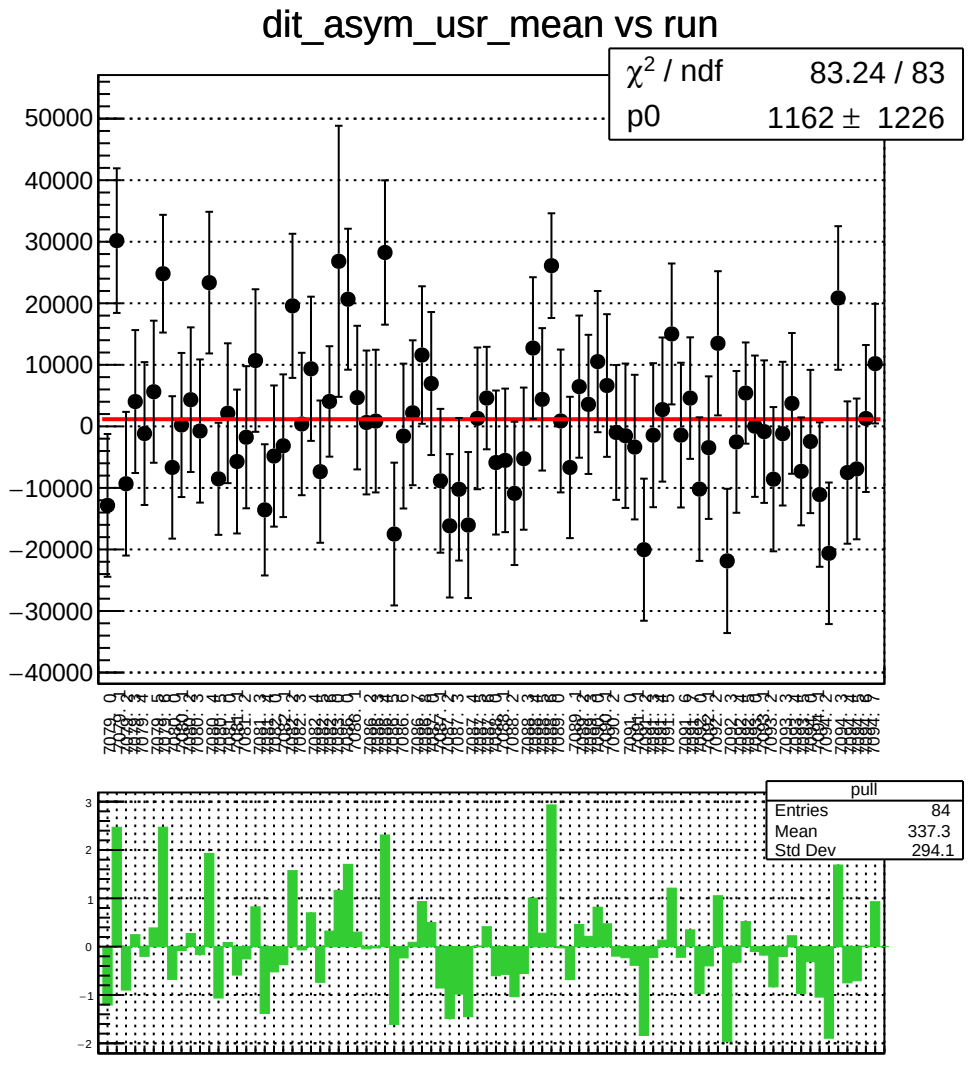

pull1D
Entries 84
Mean 0.01468
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

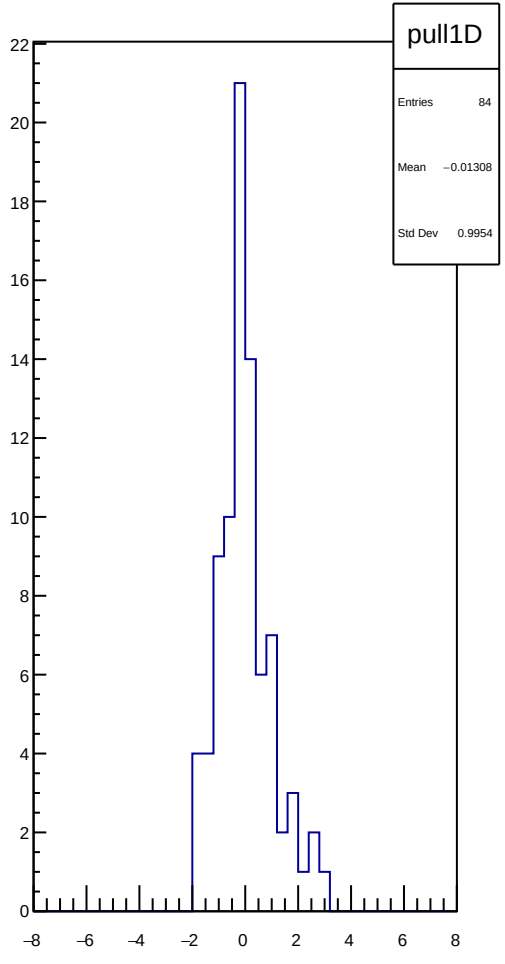

asym_usl_correction_rms vs run
χ² / ndf 7455 / 83
p0 1726 ± 1.361
2100
2000
1900
1800
1700
1600
1500

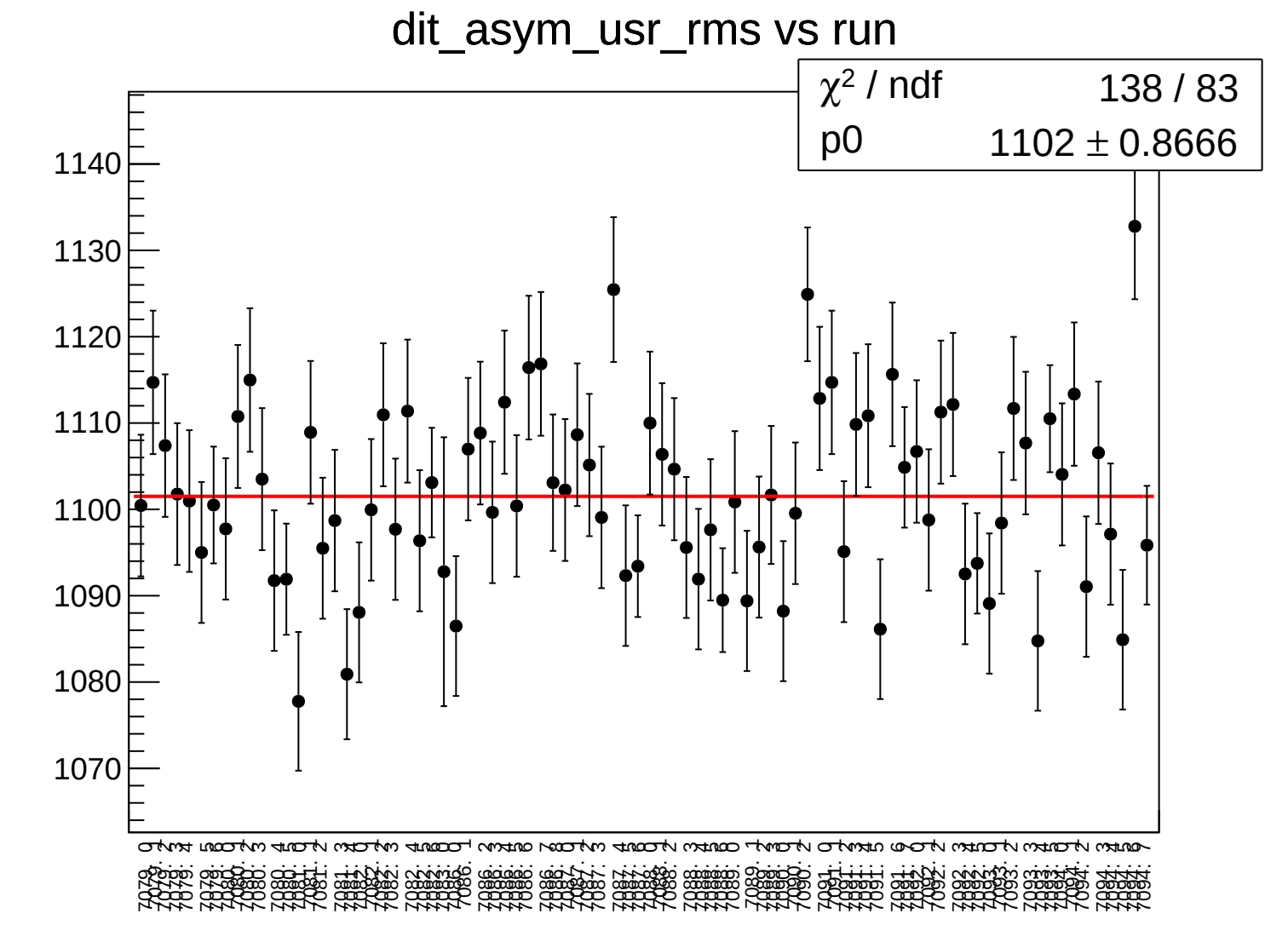

asym_usl_mean vs run
χ² / ndf 76.52 / 83
p0 3675 ± 2290
pull
Entries 84
Mean −633.1
Std Dev 693.9

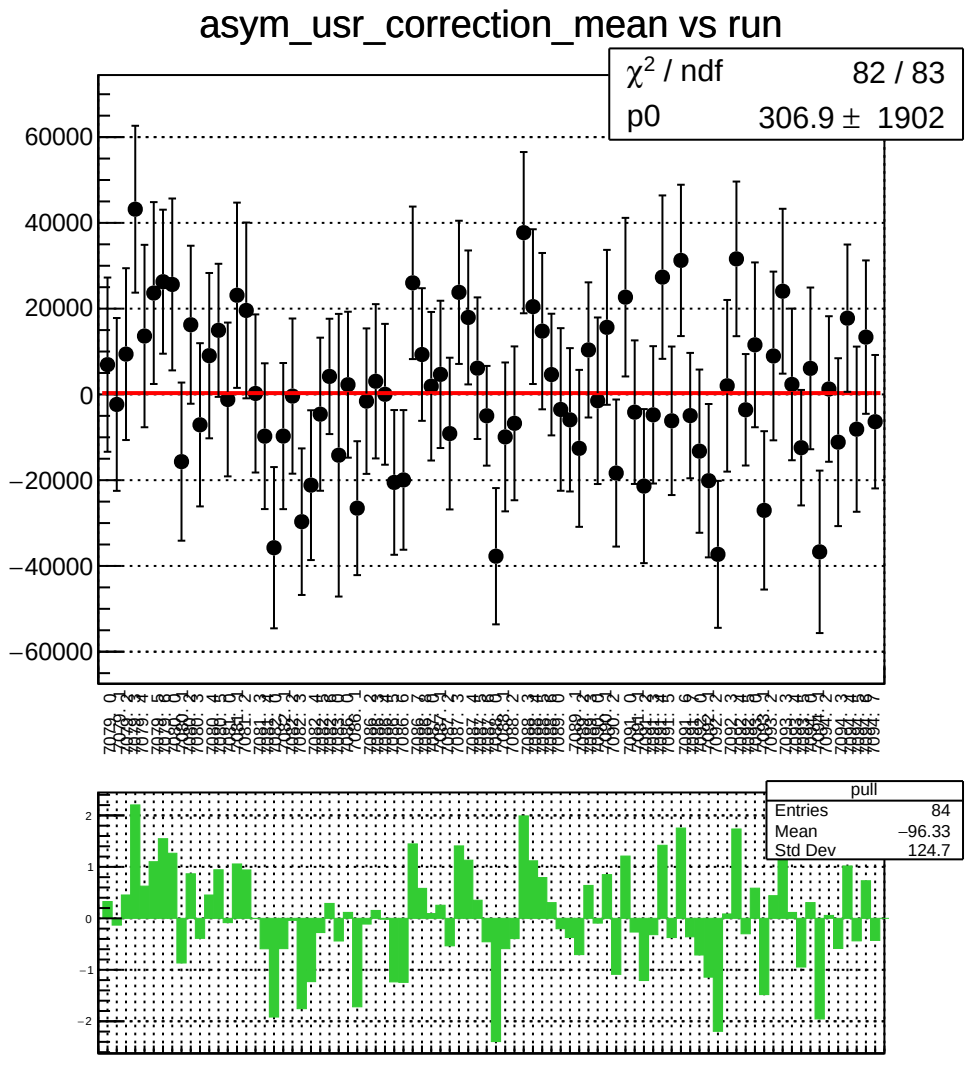

pull1D
Entries 84
Mean −0.002019
Std Dev 0.9544

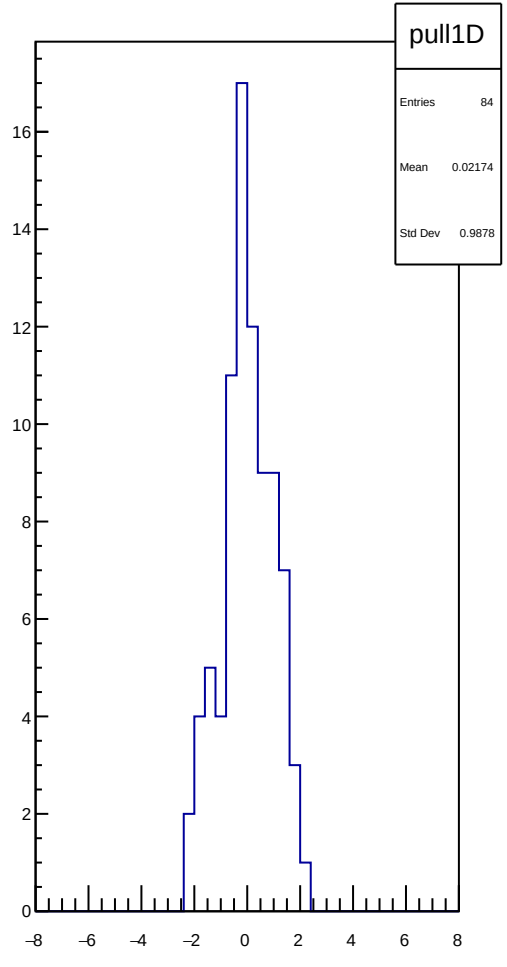

asym_usl_rms vs run
χ² / ndf 3669 / 83
p0 2056 ± 1.619
2400
2300
2200
2100
2000
1900

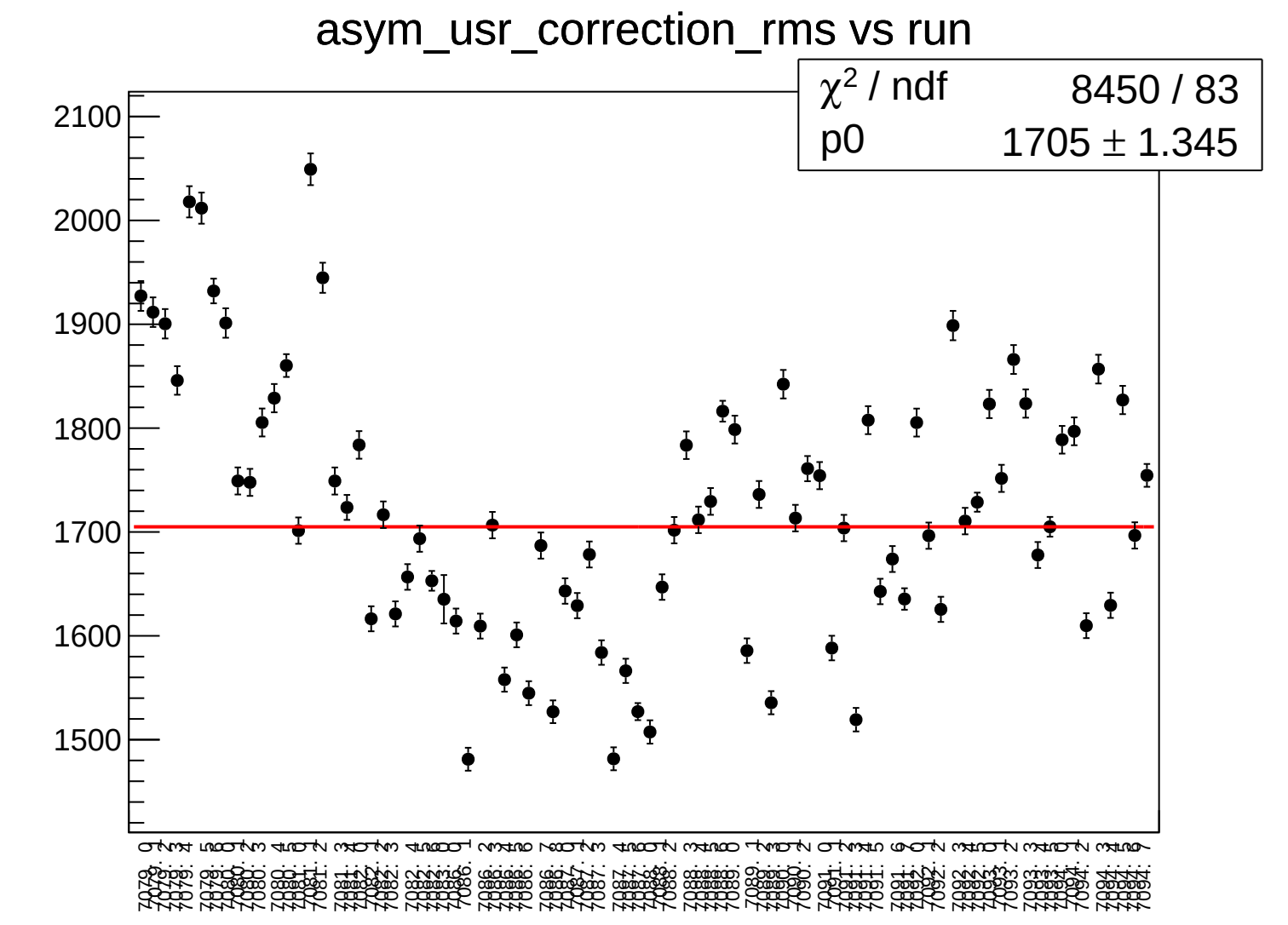

dit_asym_usr_mean vs run
χ^2 / ndf 83.24 / 83
p0 1162 ± 1226
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 84
Mean 337.3
Std Dev 294.1
3
2
1
0
−1
−2

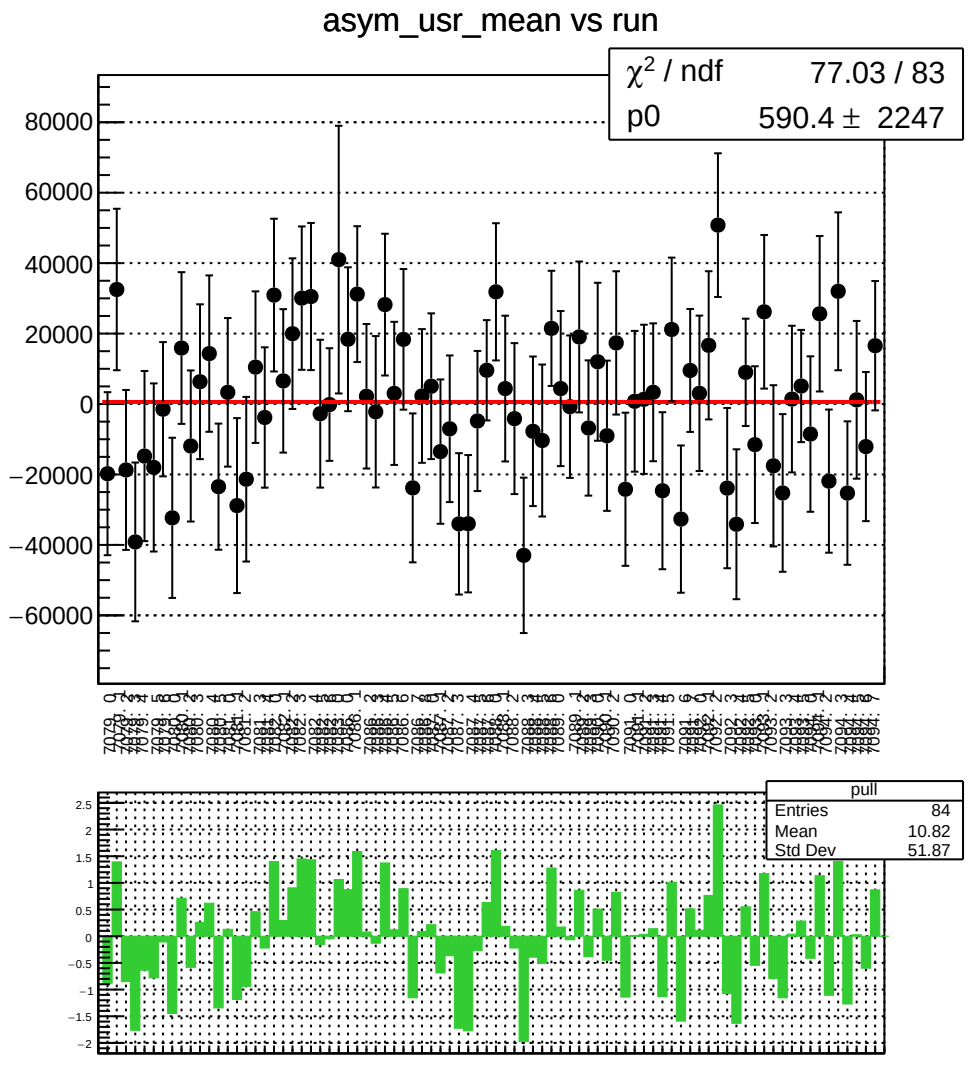

pull1D
Entries 84
Mean −0.01308
Std Dev 0.9954
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

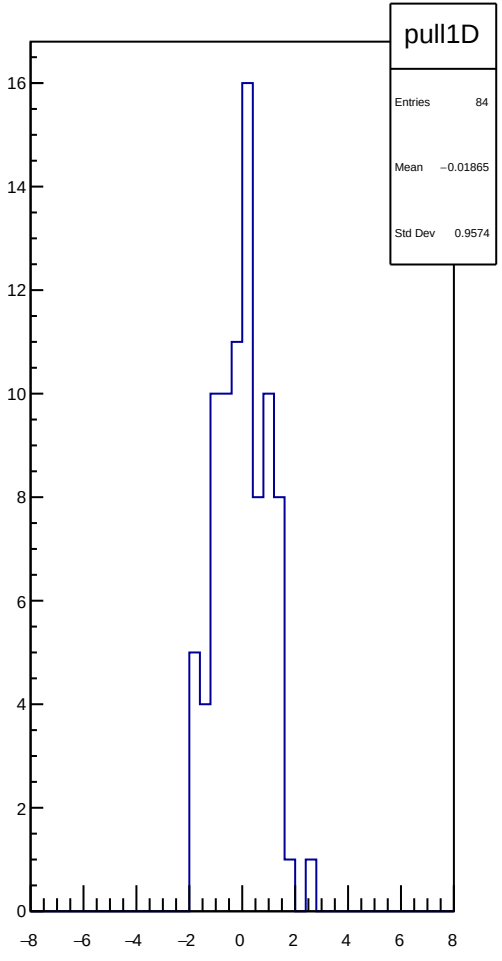

dit_asym_usr_rms vs run
χ² / ndf 138 / 83
p0 1102 ± 0.8666
1140
1130
1120
1110
1100
1090
1080
1070

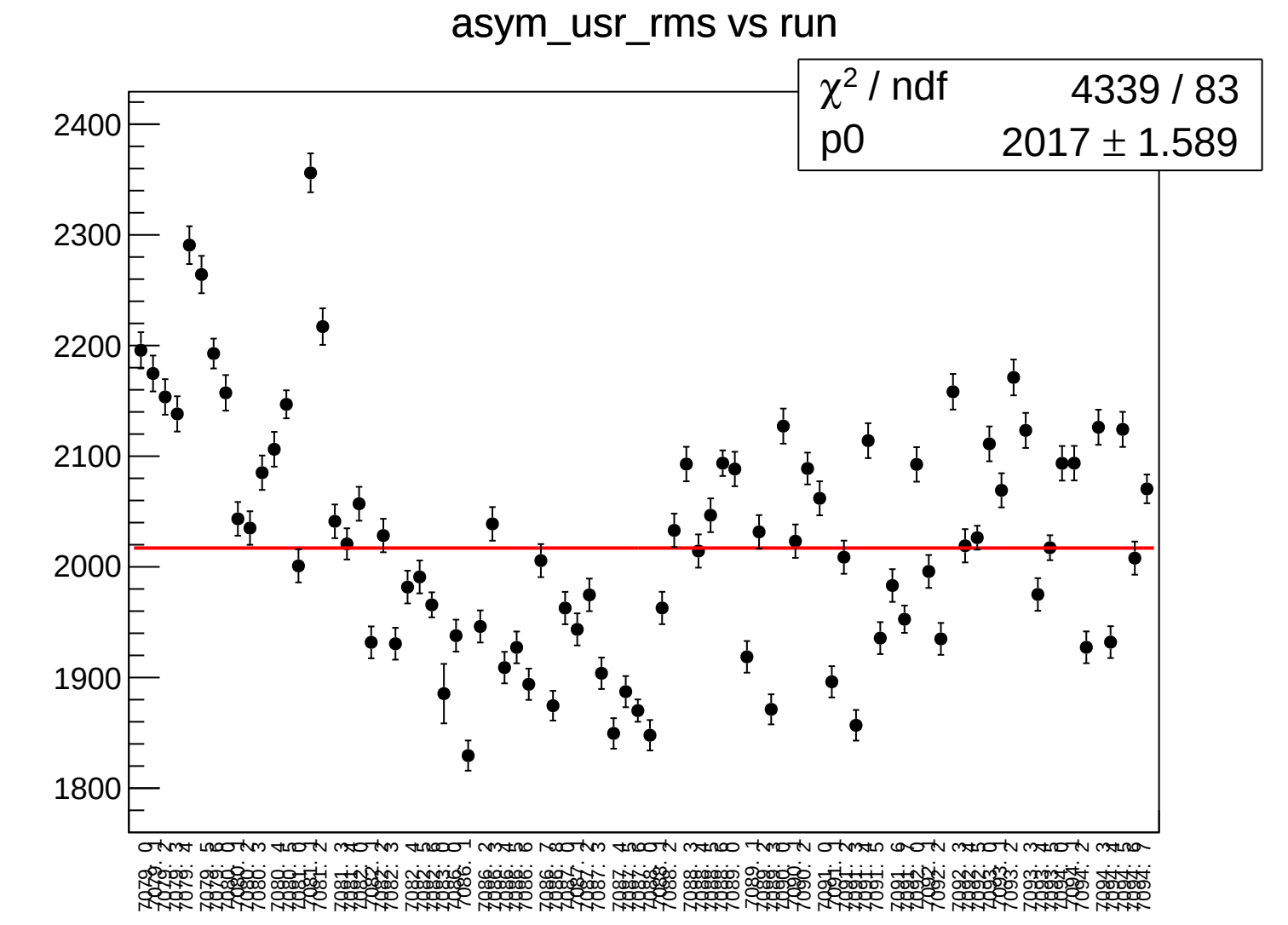

asym_usr_correction_mean vs run
χ² / ndf 82 / 83
p0 306.9 ± 1902
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −96.33
Std Dev 124.7
2
1
0
−1
−2

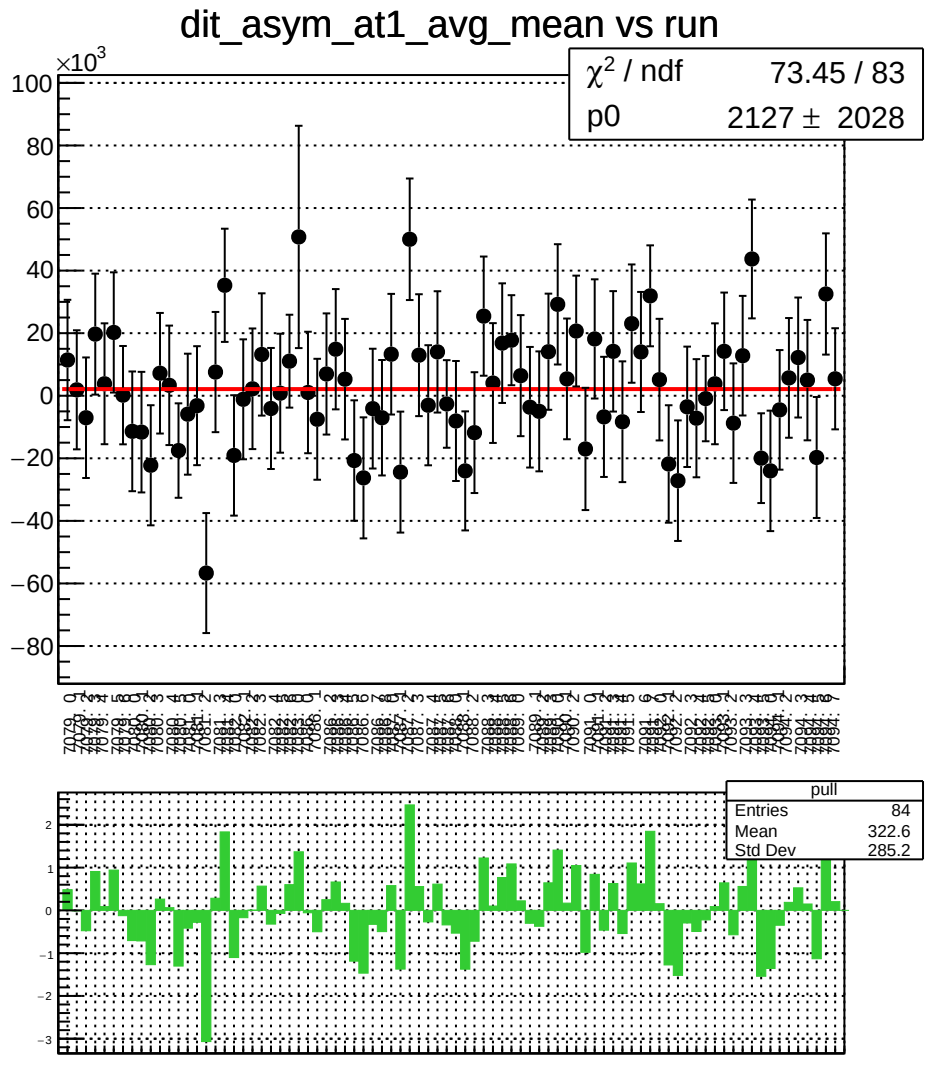

pull1D
Entries 84
Mean 0.02174
Std Dev 0.9878
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

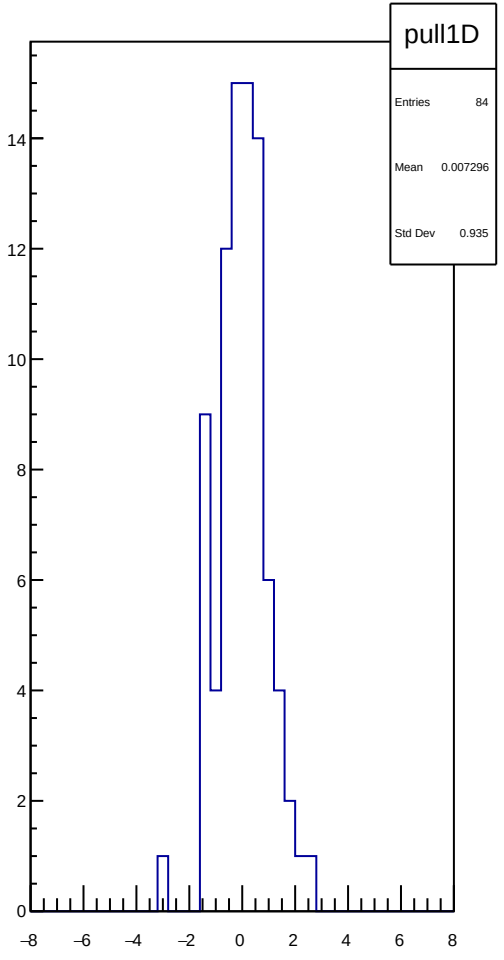

asym_usr_correction_rms vs run
χ² / ndf 8450 / 83
p0 1705 ± 1.345
2100
2000
1900
1800
1700
1600
1500

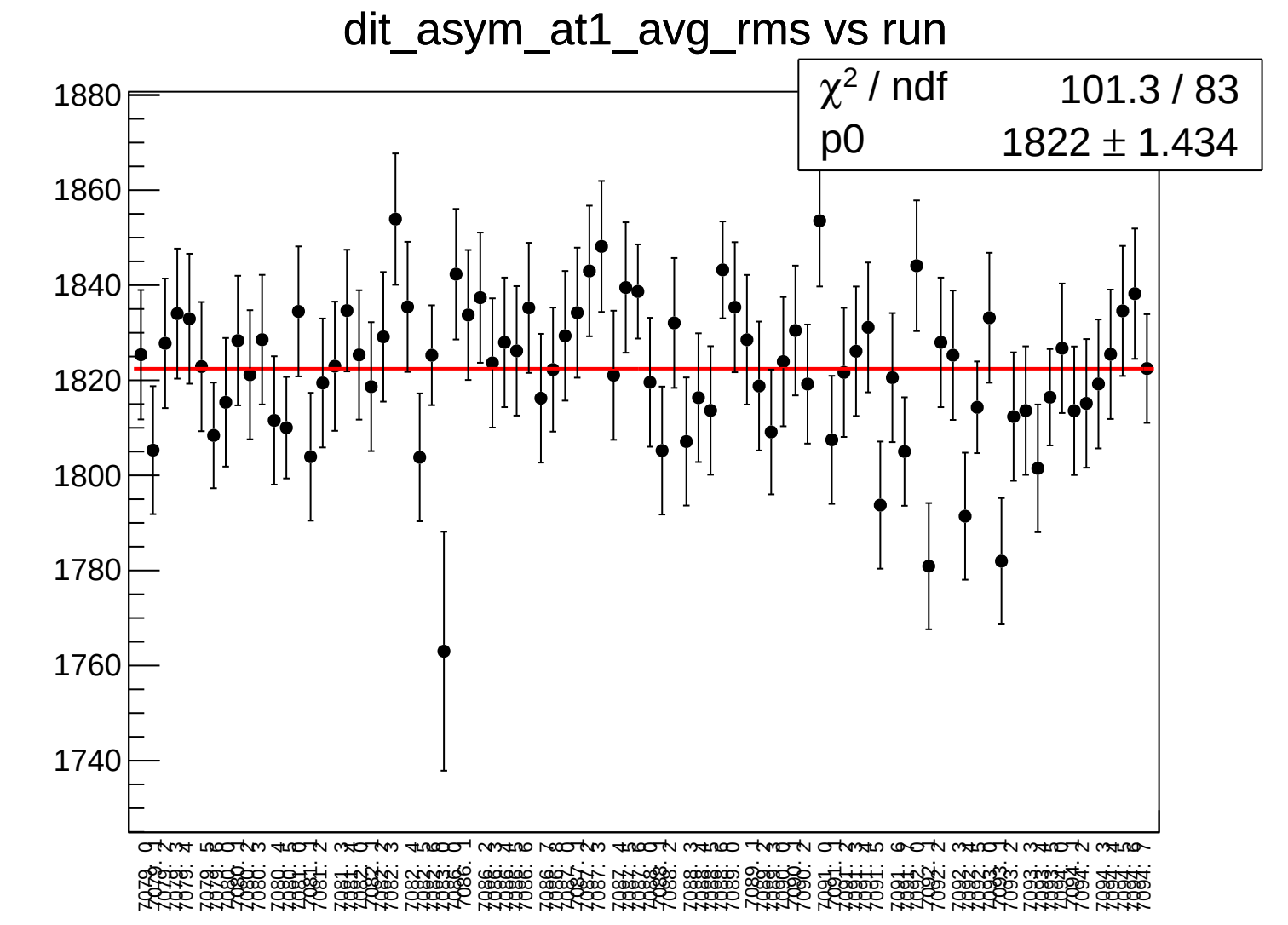

asym_usr_mean vs run
χ² / ndf 77.03 / 83
p0 590.4 ± 2247
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean 10.82
Std Dev 51.87
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

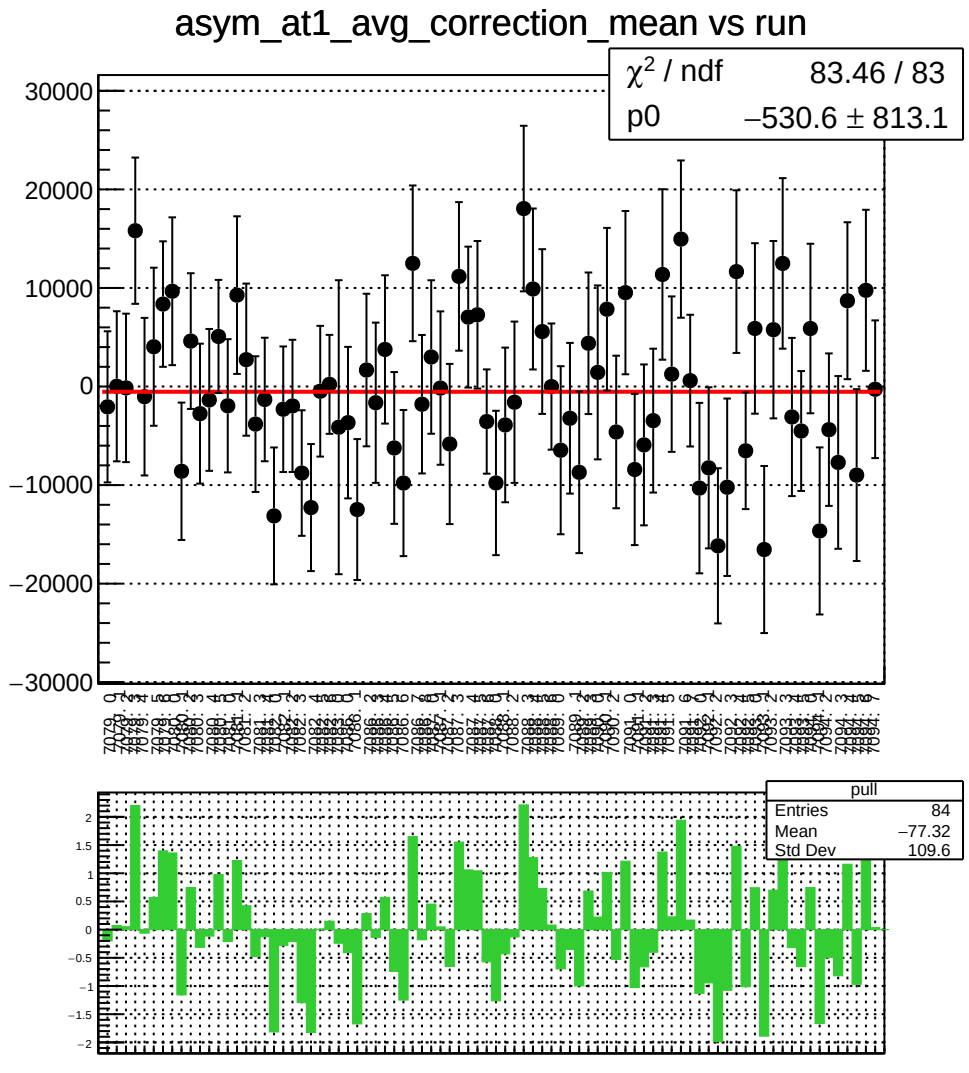

pull1D
Entries 84
Mean −0.01865
Std Dev 0.9574
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

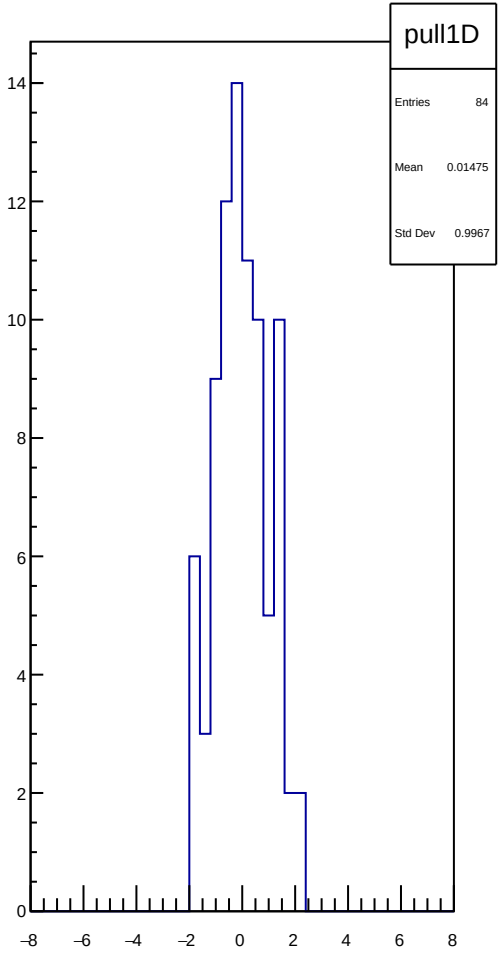

asym_usr_rms vs run
χ² / ndf 4339 / 83
p0 2017 ± 1.589
2400
2300
2200
2100
2000
1900
1800

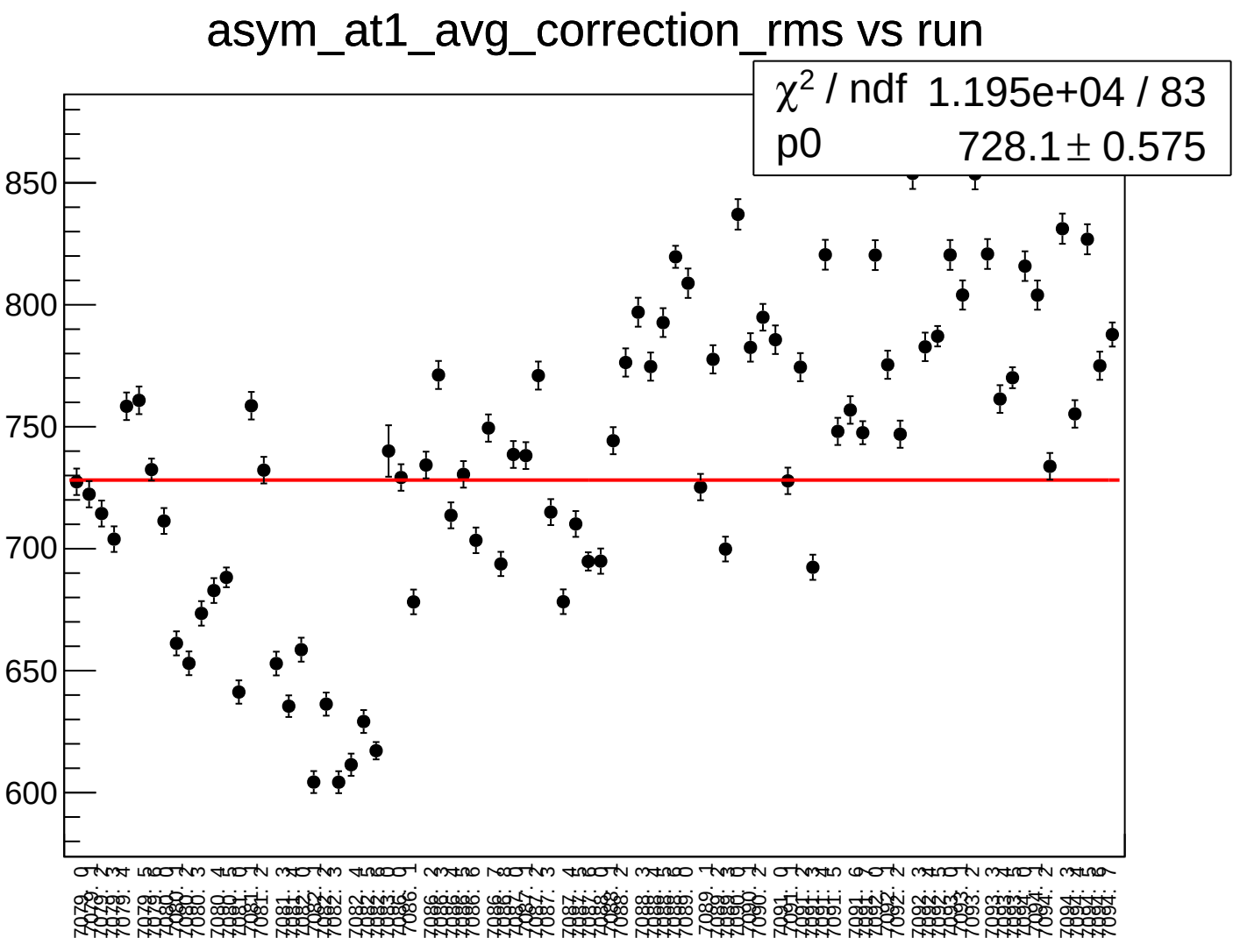

dit_asym_at1_avg_mean vs run
×10^3
χ² / ndf 73.45 / 83
p0 2127 ± 2028
pull
Entries 84
Mean 322.6
Std Dev 285.2

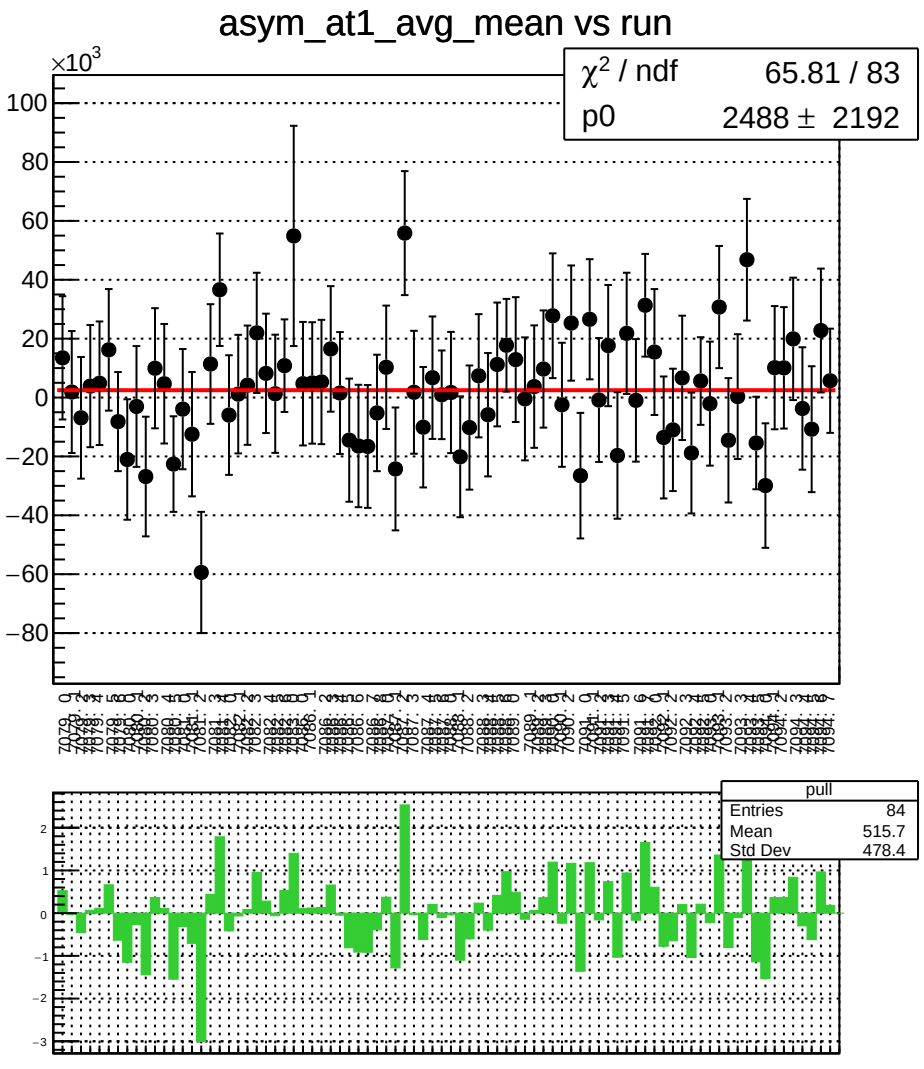

pull1D
Entries 84
Mean 0.007296
Std Dev 0.935

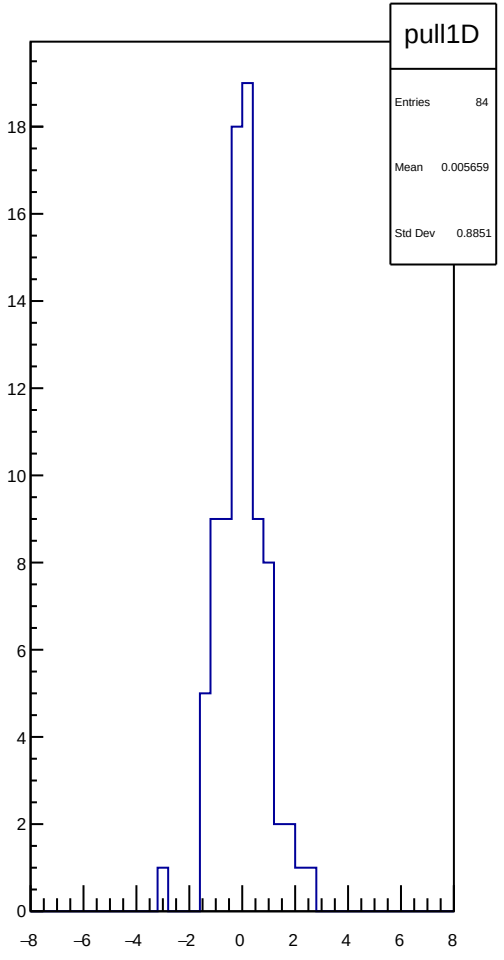

dit_asym_at1_avg_rms vs run
χ² / ndf 101.3 / 83
p0 1822 ± 1.434
1880
1860
1840
1820
1800
1780
1760
1740

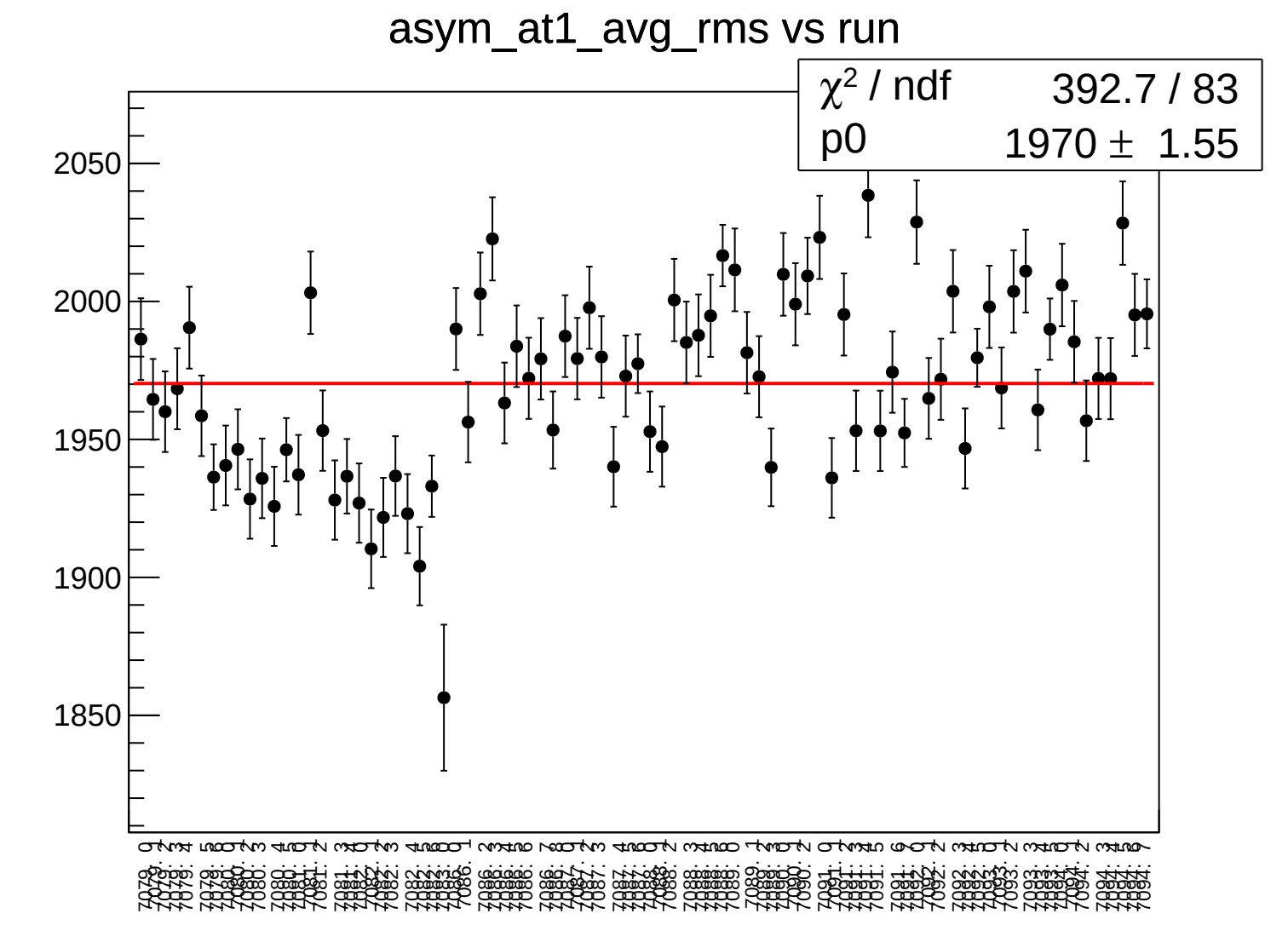

asym_at1_avg_correction_mean vs run
χ² / ndf 83.46 / 83
p0 −530.6 ± 813.1
pull
Entries 84
Mean −77.32
Std Dev 109.6

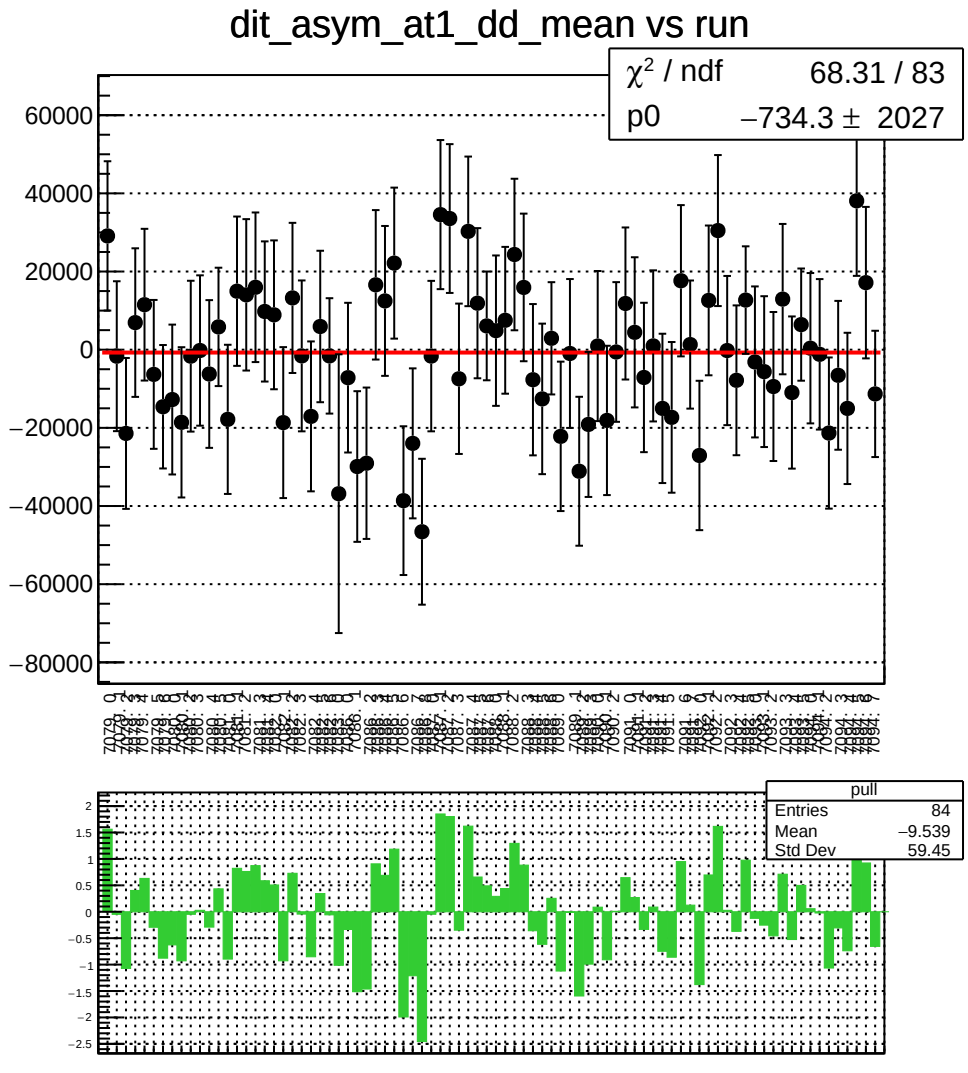

pull1D
Entries 84
Mean 0.01475
Std Dev 0.9967

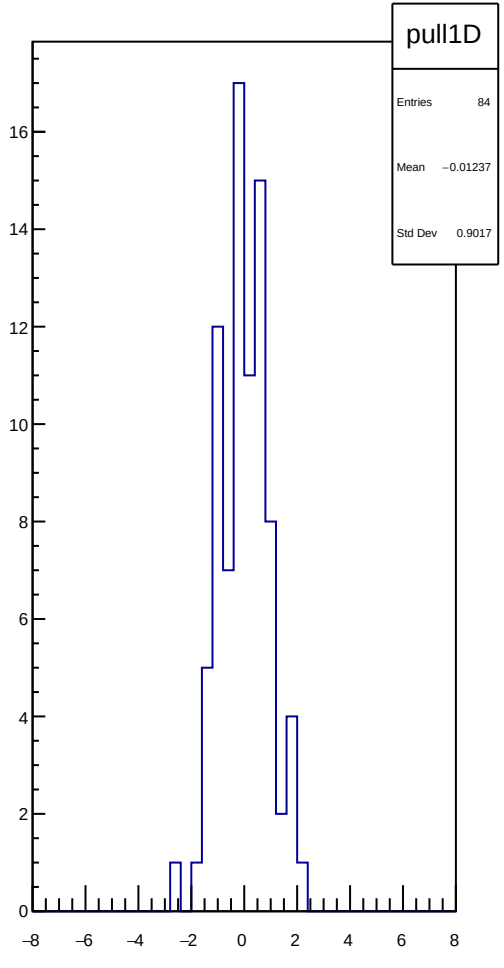

asym_at1_avg_correction_rms vs run
χ² / ndf 1.195e+04 / 83
p0 728.1 ± 0.575
850
800
750
700
650
600

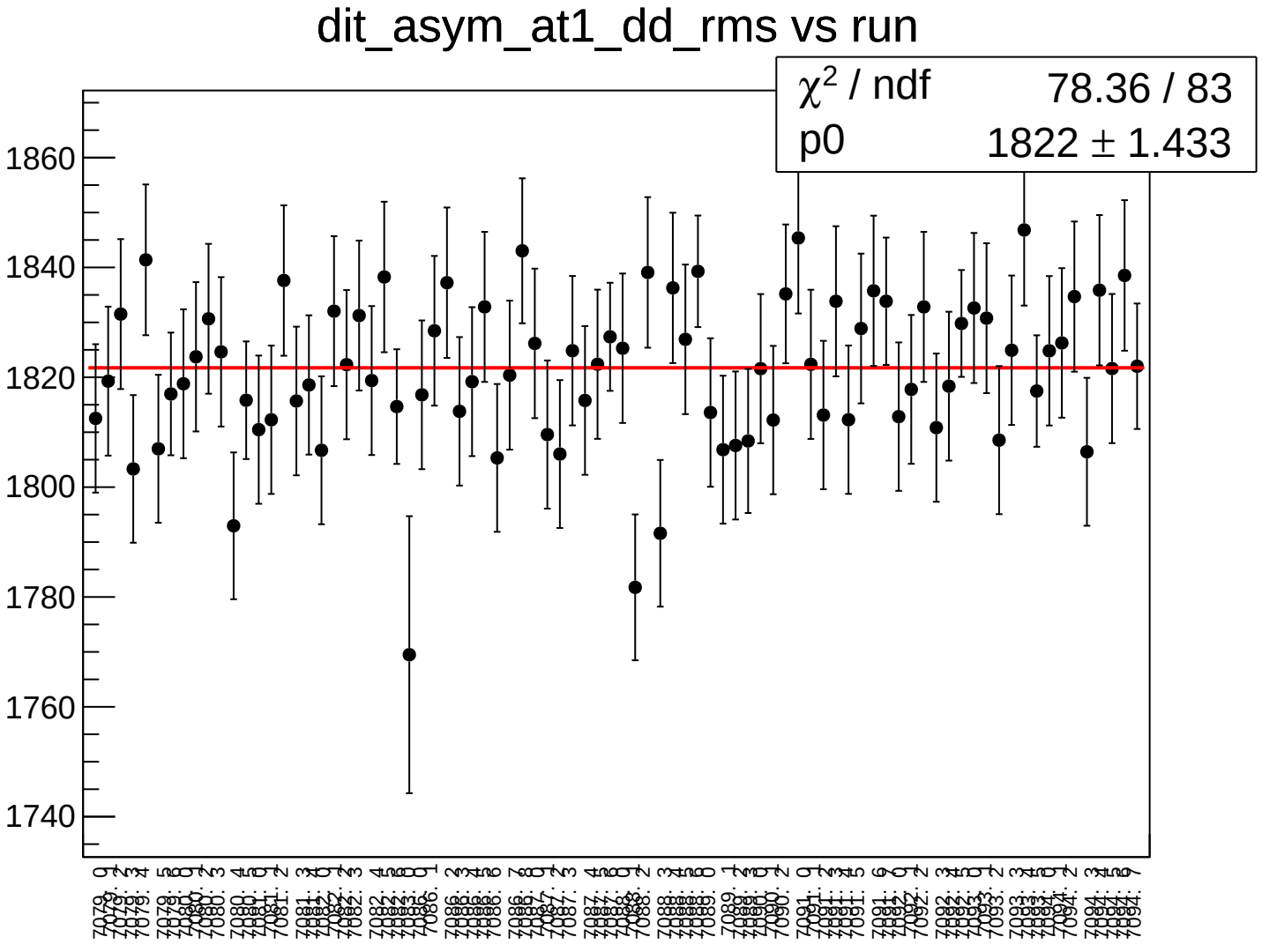

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 65.81 / 83
p0 2488 ± 2192
pull
Entries 84
Mean 515.7
Std Dev 478.4

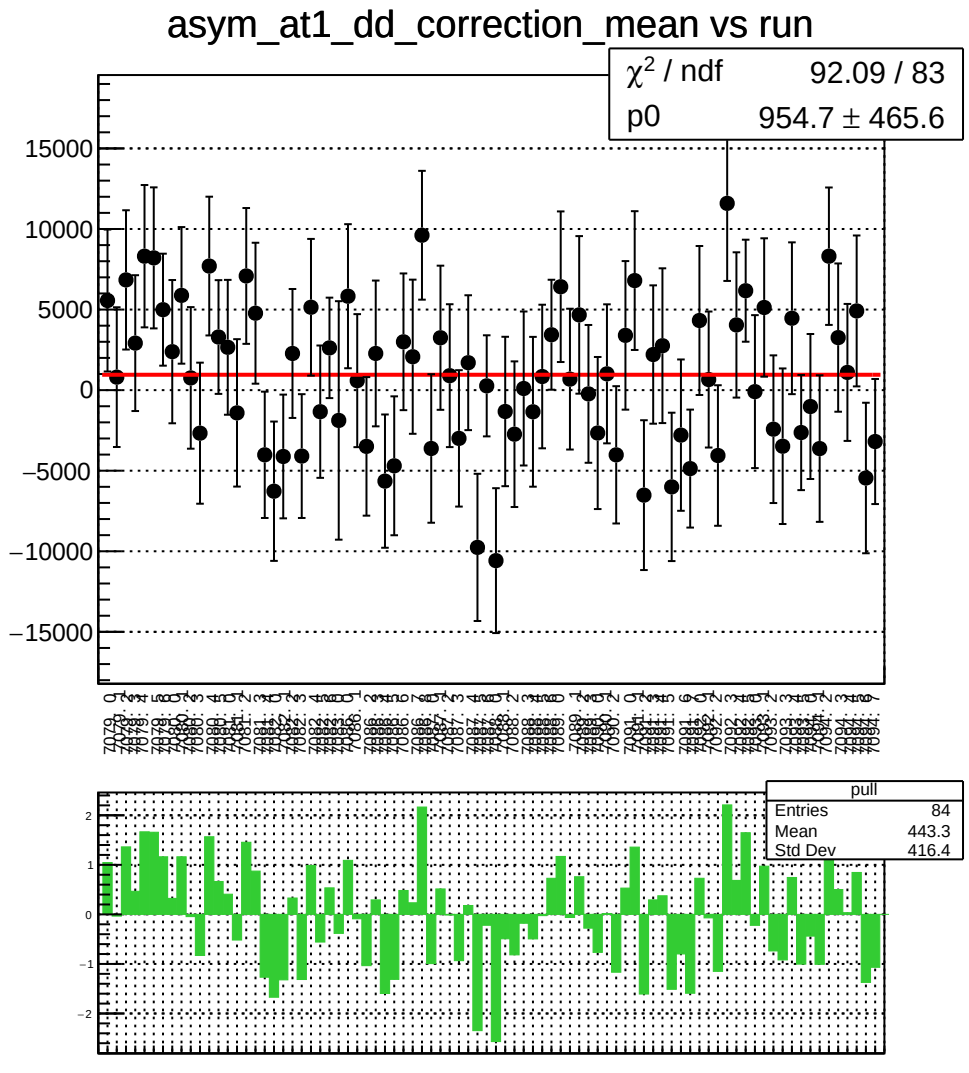

pull1D
Entries 84
Mean 0.005659
Std Dev 0.8851

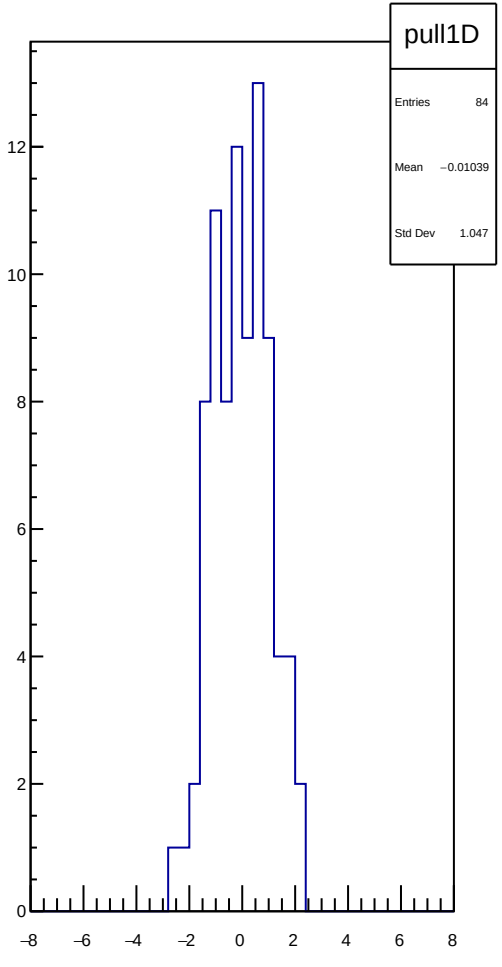

asym_at1_avg_rms vs run
χ² / ndf 392.7 / 83
p0 1970 ± 1.55
2050
2000
1950
1900
1850

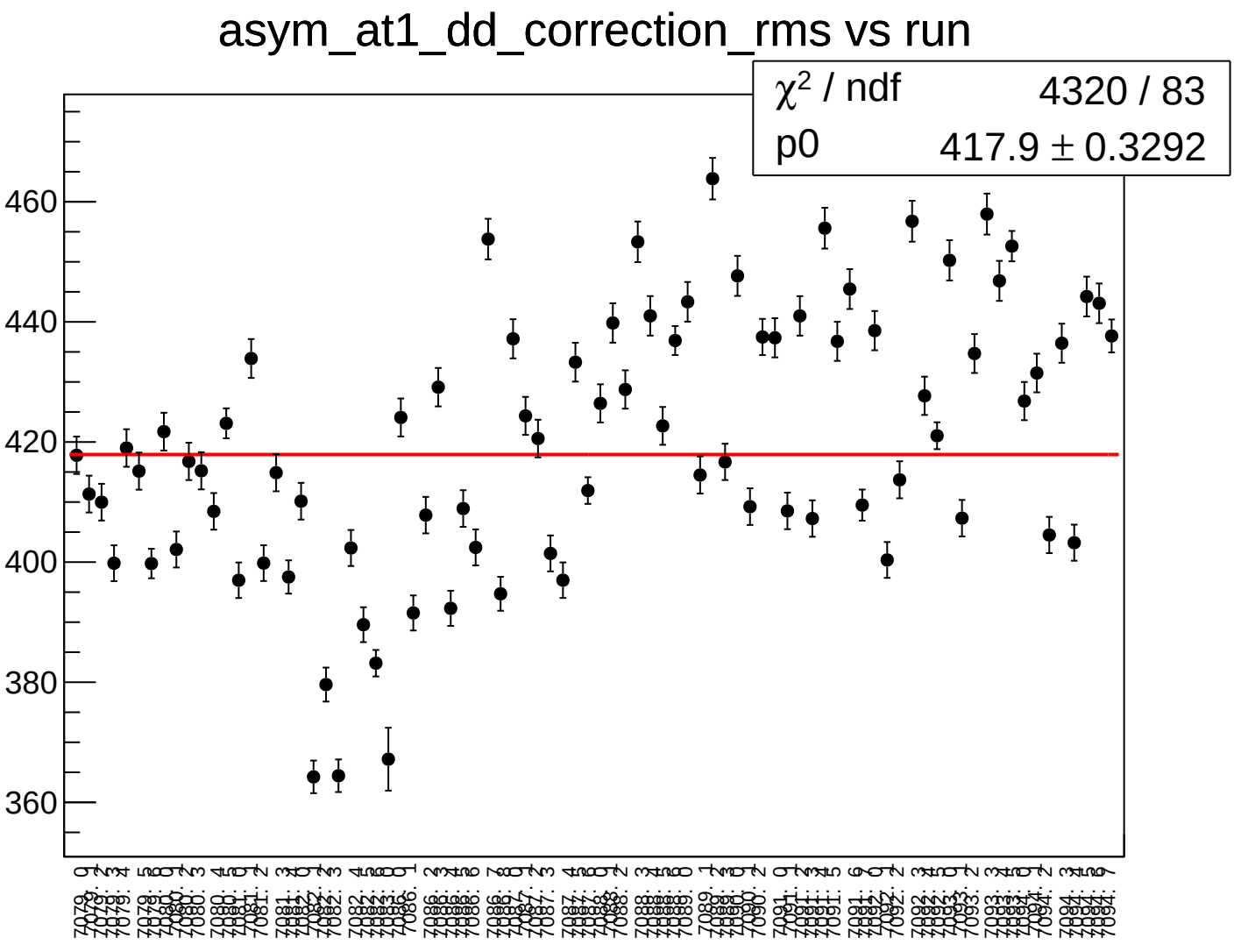

dit_asym_at1_dd_mean vs run
χ² / ndf 68.31 / 83
p0 −734.3 ± 2027
pull
Entries 84
Mean −9.539
Std Dev 59.45

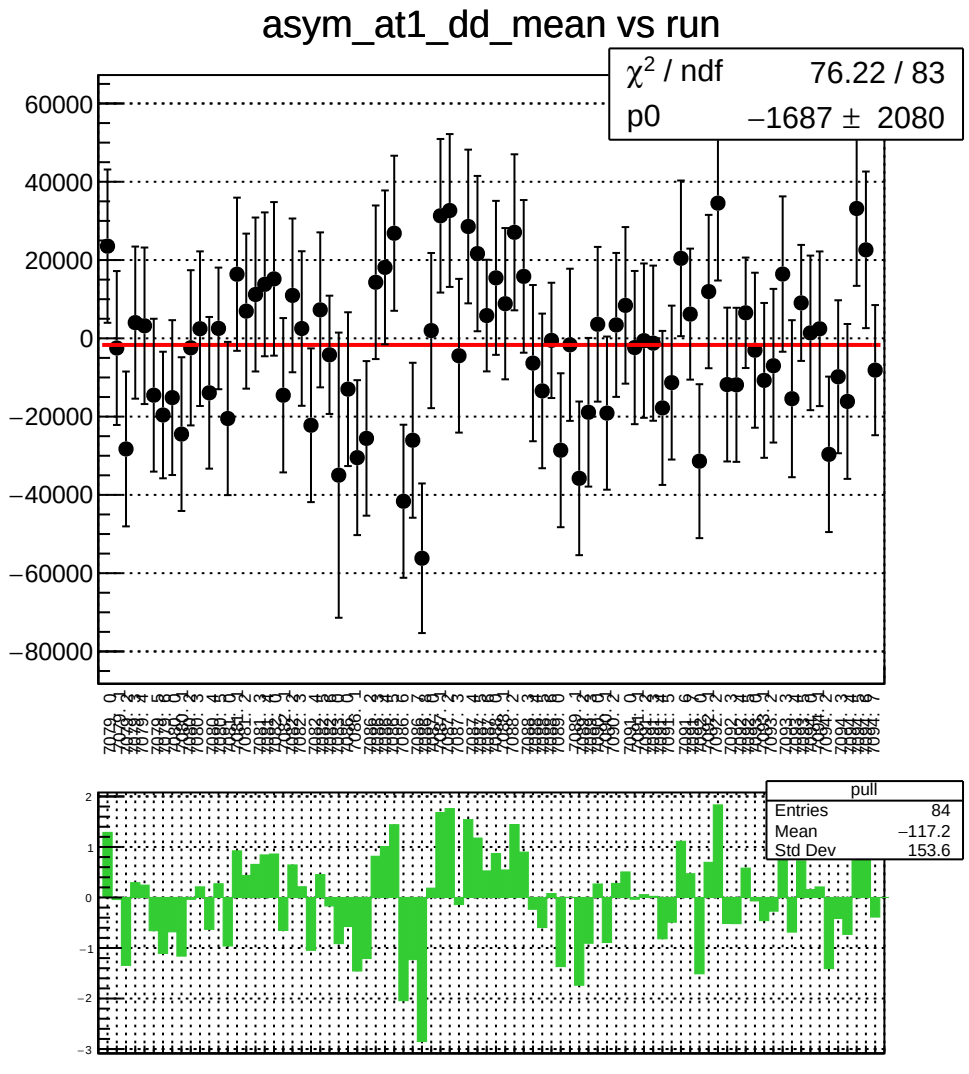

pull1D
Entries 84
Mean −0.01237
Std Dev 0.9017

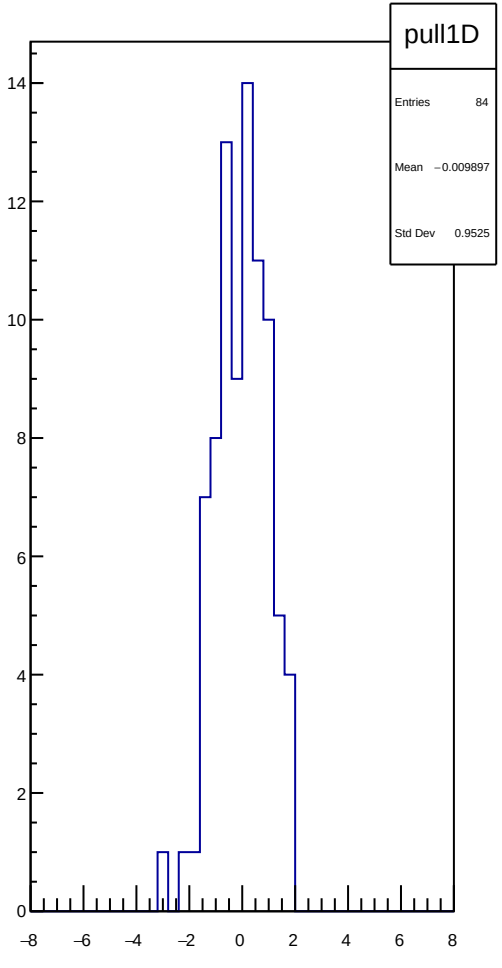

dit_asym_at1_dd_rms vs run
χ^2 / ndf 78.36 / 83
p0 1822 ± 1.433
1860
1840
1820
1800
1780
1760
1740

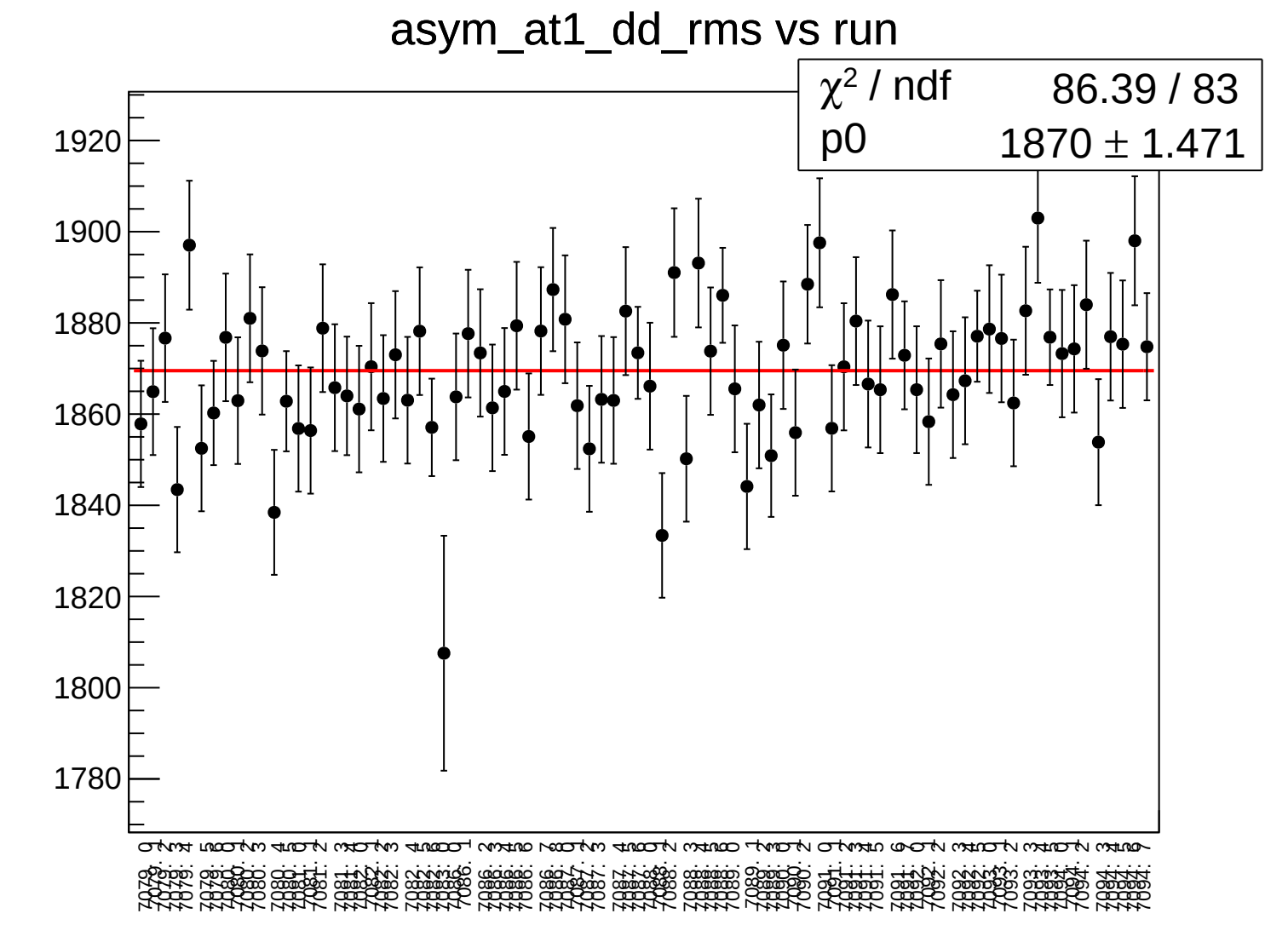

asym_at1_dd_correction_mean vs run
χ² / ndf 92.09 / 83
p0 954.7 ± 465.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 443.3
Std Dev 416.4
2
1
0
−1
−2

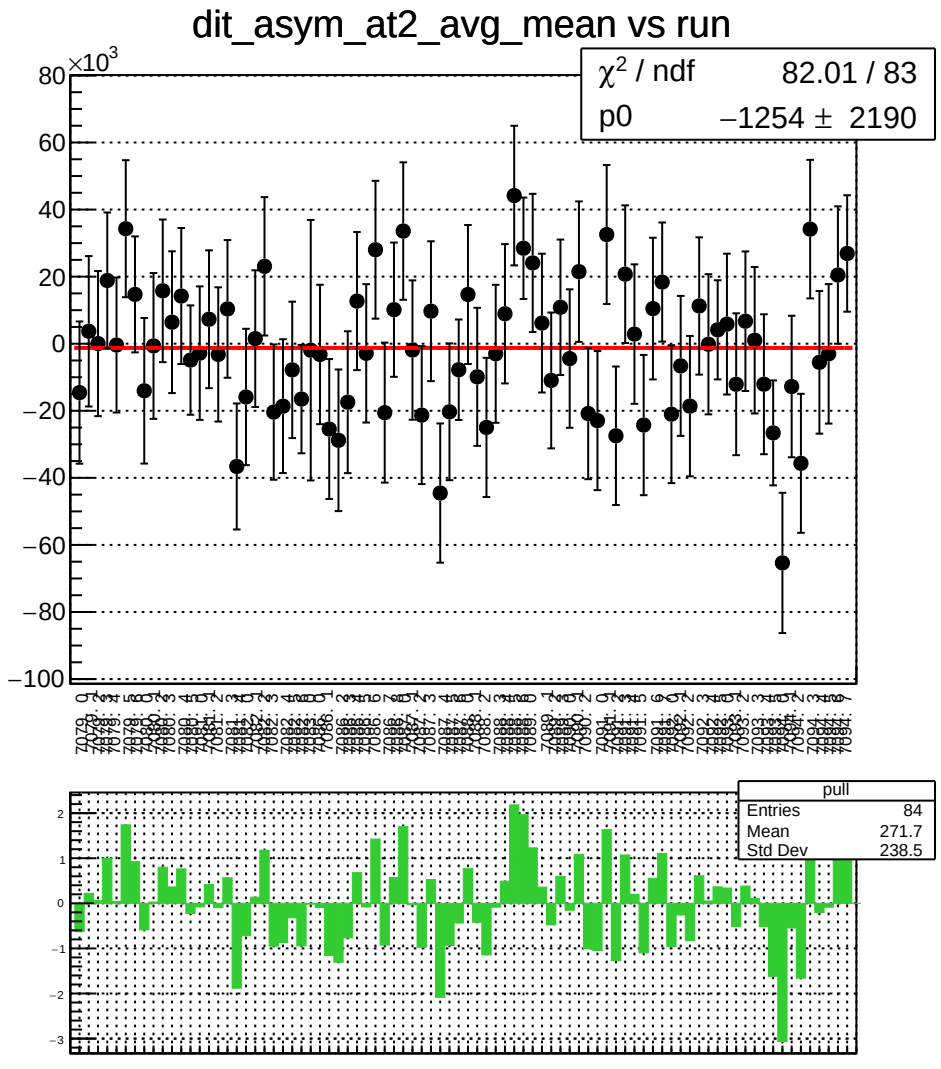

pull1D
Entries 84
Mean −0.01039
Std Dev 1.047
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

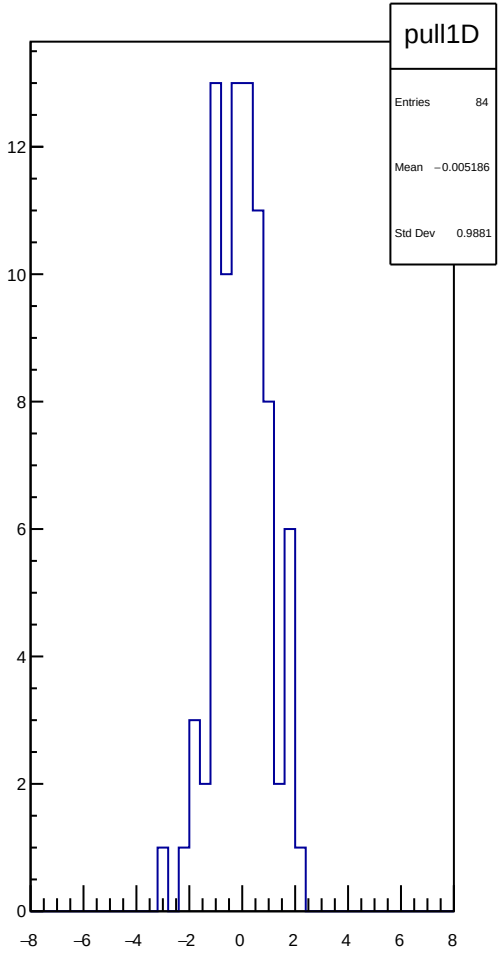

asym_at1_dd_correction_rms vs run
χ² / ndf 4320 / 83
p0 417.9 ± 0.3292
460
440
420
400
380
360

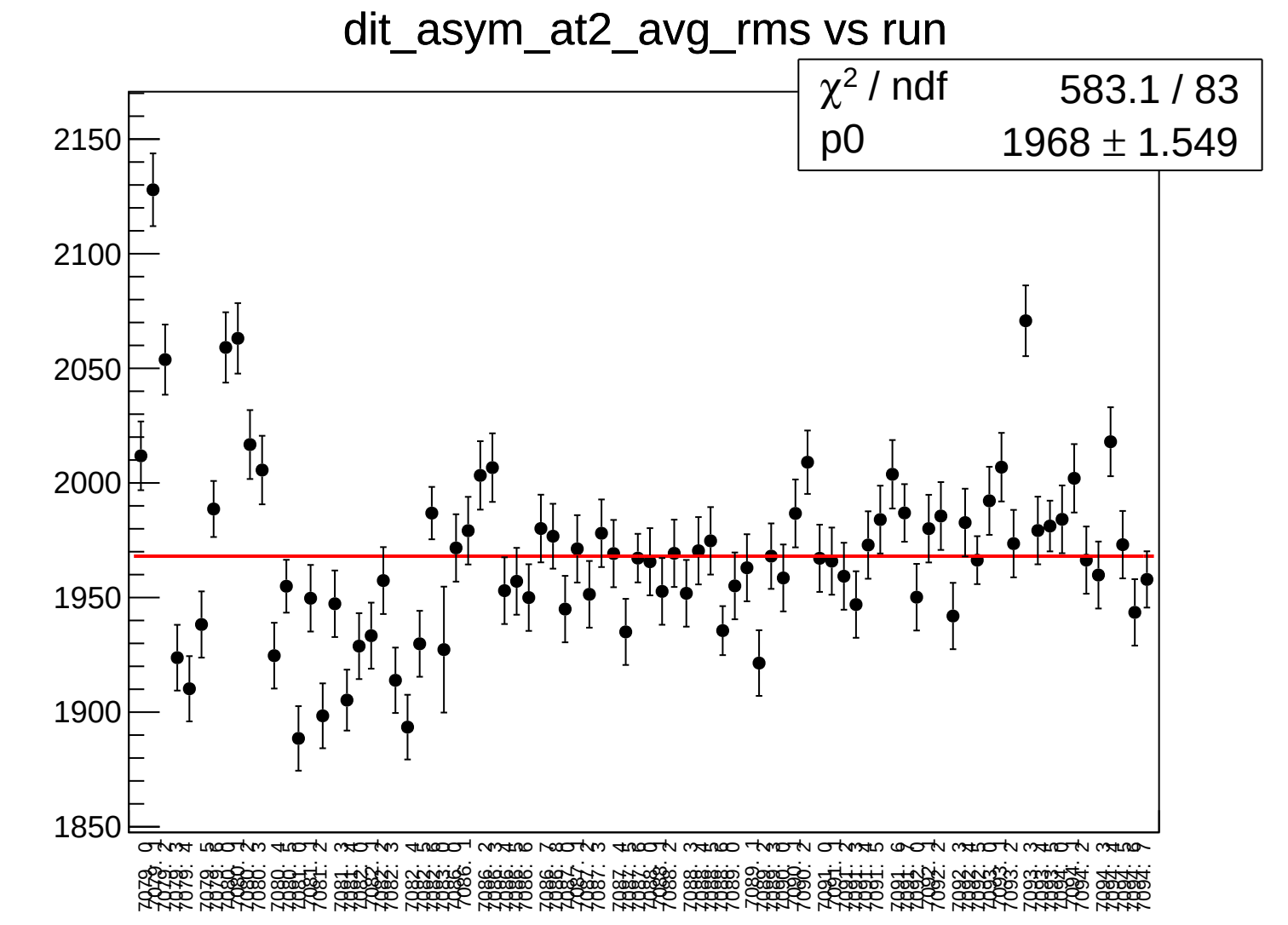

asym_at1_dd_mean vs run
χ² / ndf 76.22 / 83
p0 −1687 ± 2080
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 84
Mean −117.2
Std Dev 153.6
2
1
0
−1
−2
−3

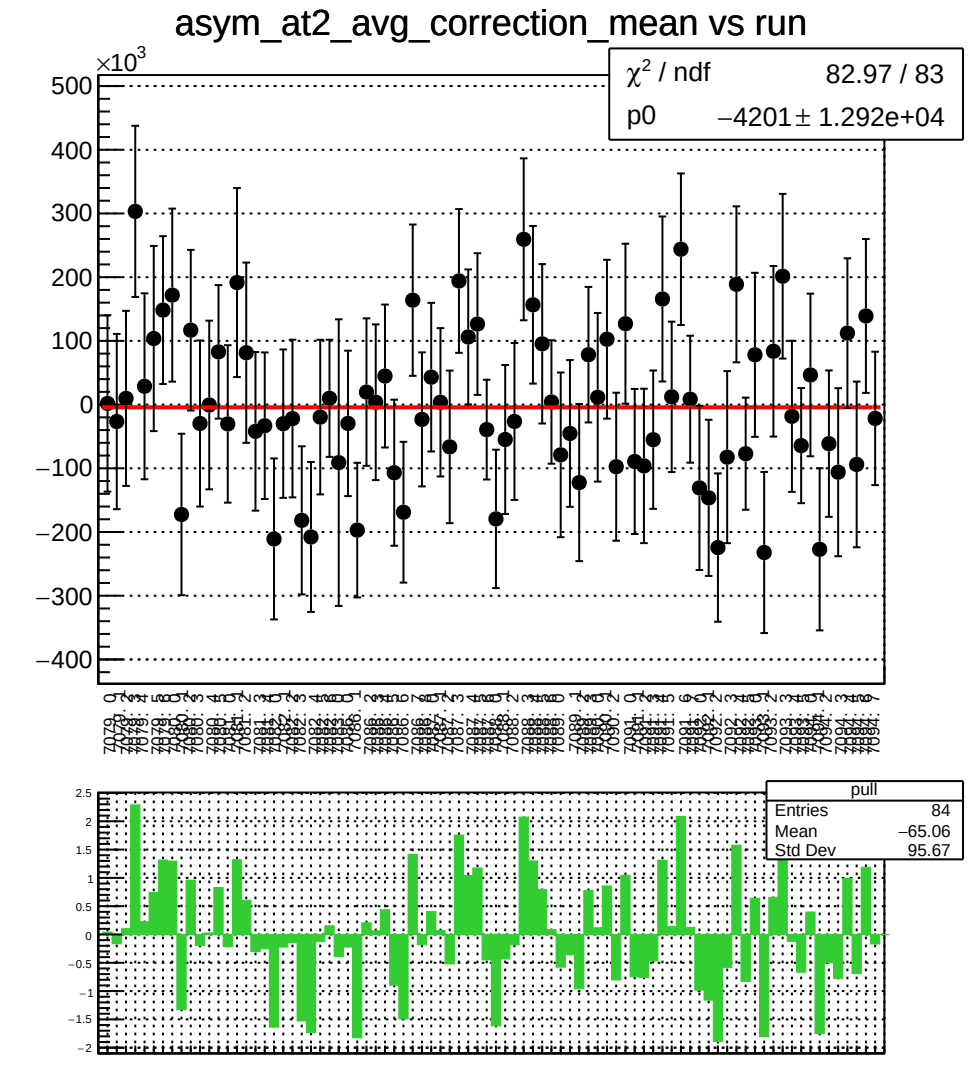

pull1D
Entries 84
Mean −0.009897
Std Dev 0.9525
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

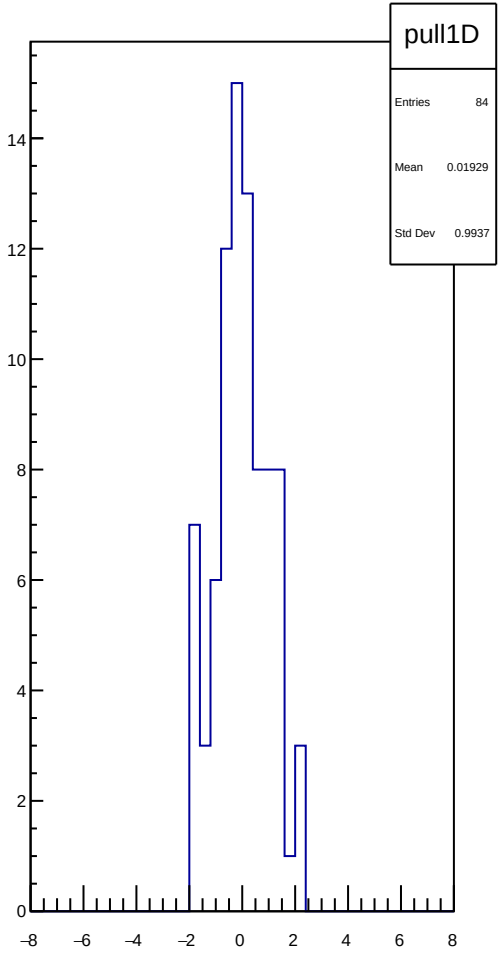

asym_at1_dd_rms vs run
χ^2 / ndf 86.39 / 83
p0 1870 ± 1.471
1920
1900
1880
1860
1840
1820
1800
1780

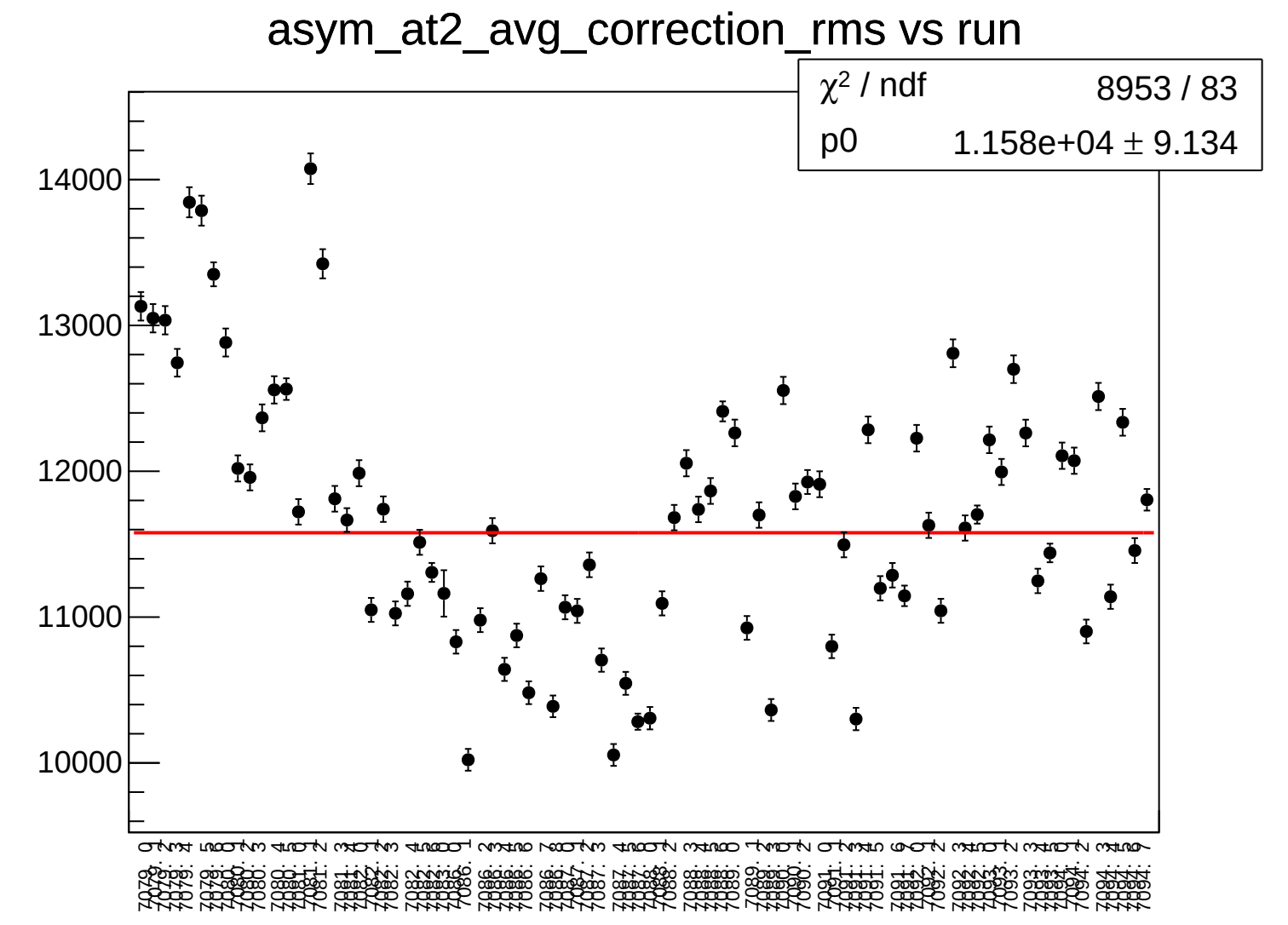

dit_asym_at2_avg_mean vs run
χ² / ndf 82.01 / 83
p0 −1254 ± 2190
×10³
pull
Entries 84
Mean 271.7
Std Dev 238.5

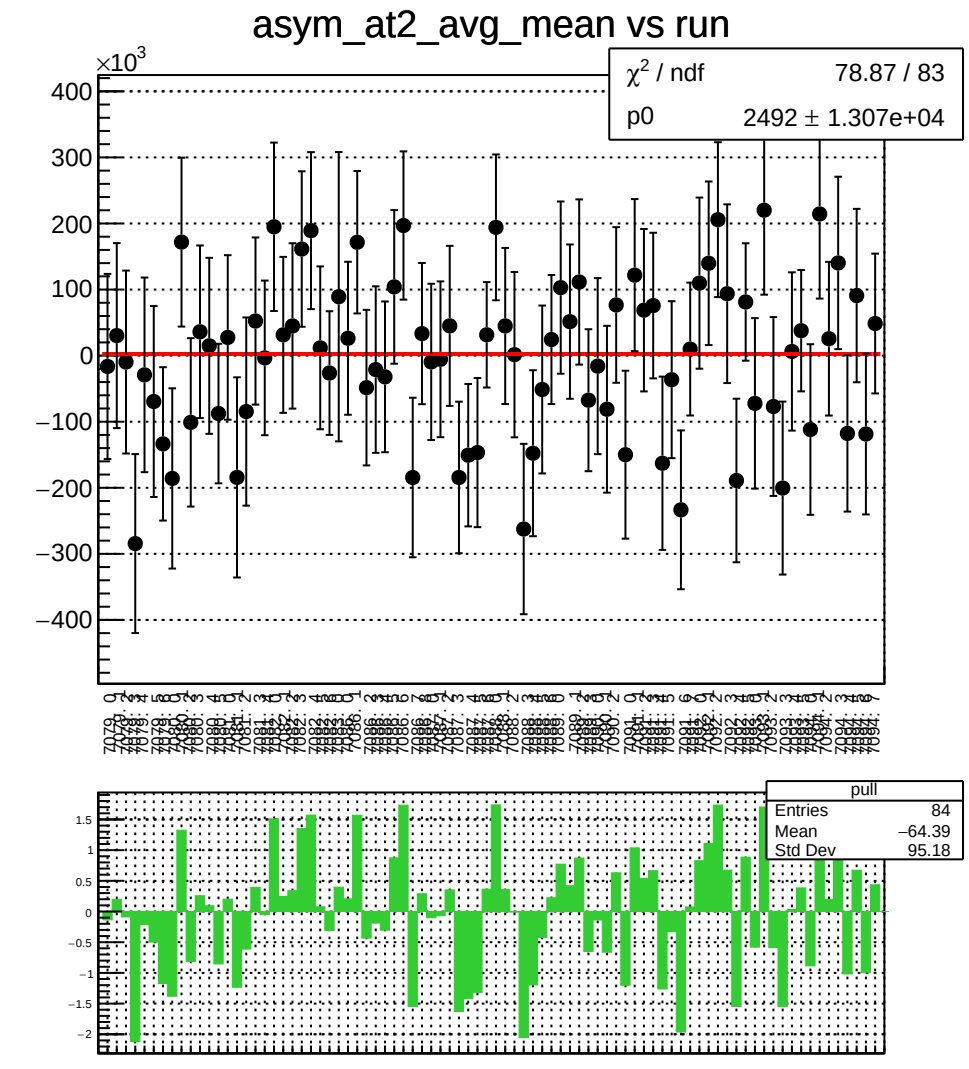

pull1D
Entries 84
Mean −0.005186
Std Dev 0.9881

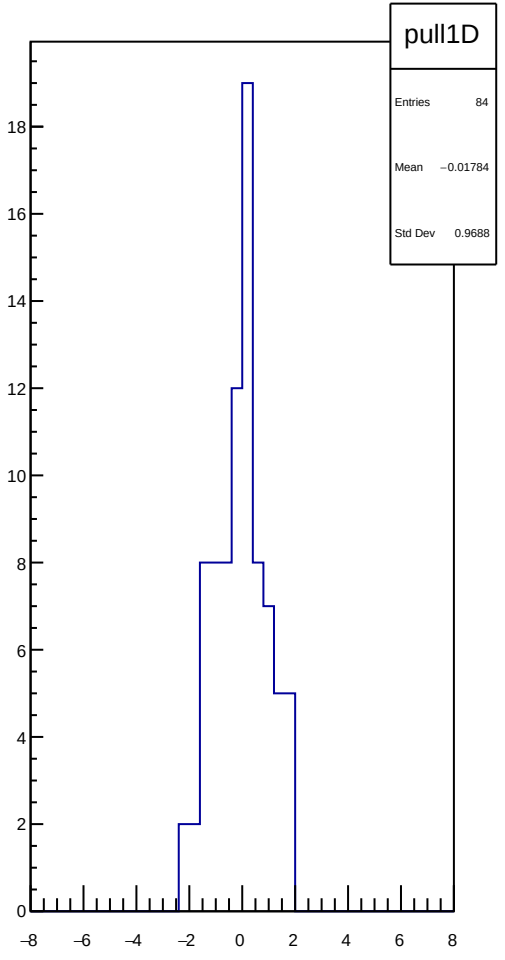

dit_asym_at2_avg_rms vs run
χ² / ndf 583.1 / 83
p0 1968 ± 1.549
2150
2100
2050
2000
1950
1900
1850

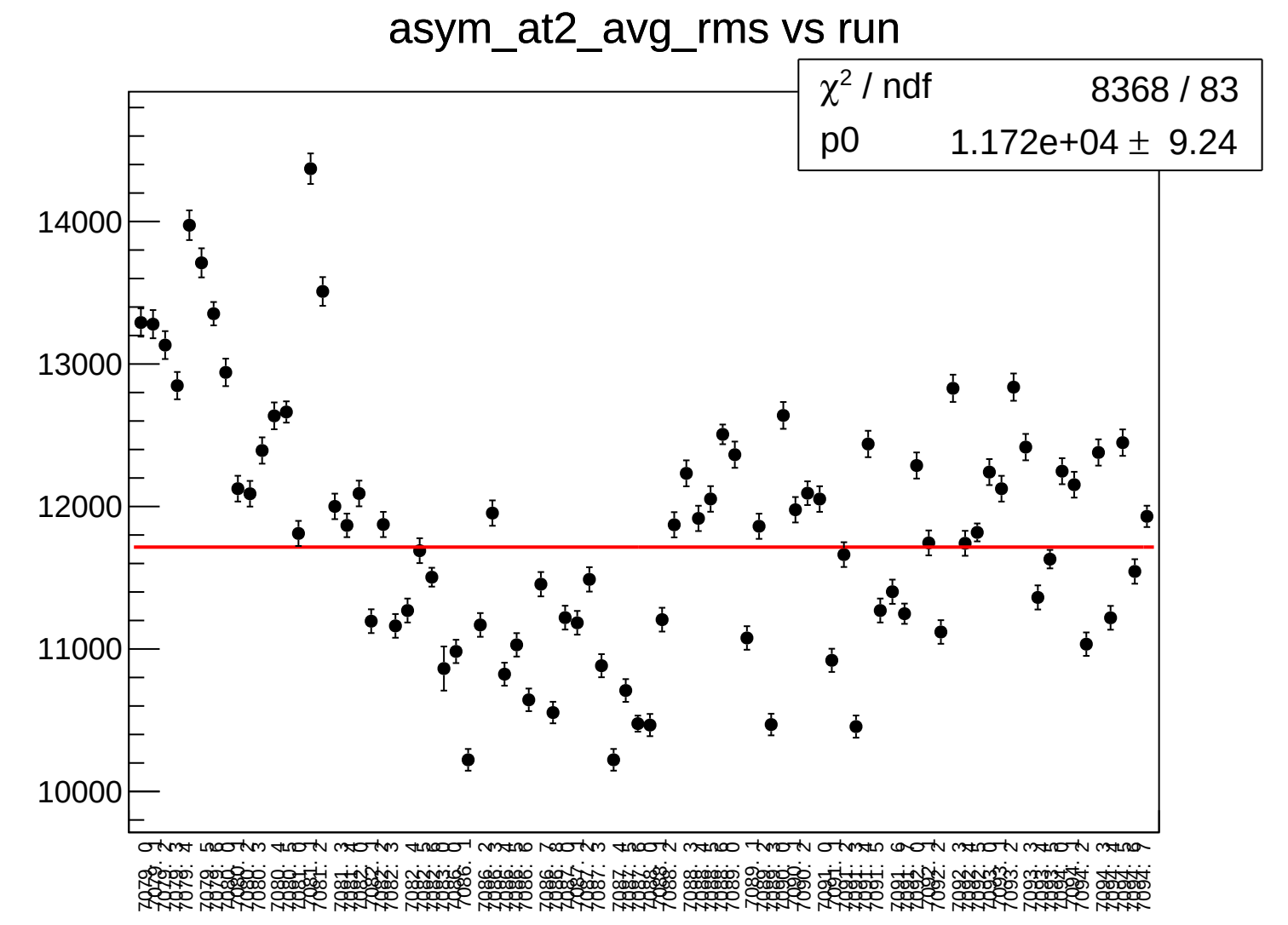

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 82.97 / 83
p0 −4201 ± 1.292e+04
pull
Entries 84
Mean −65.06
Std Dev 95.67

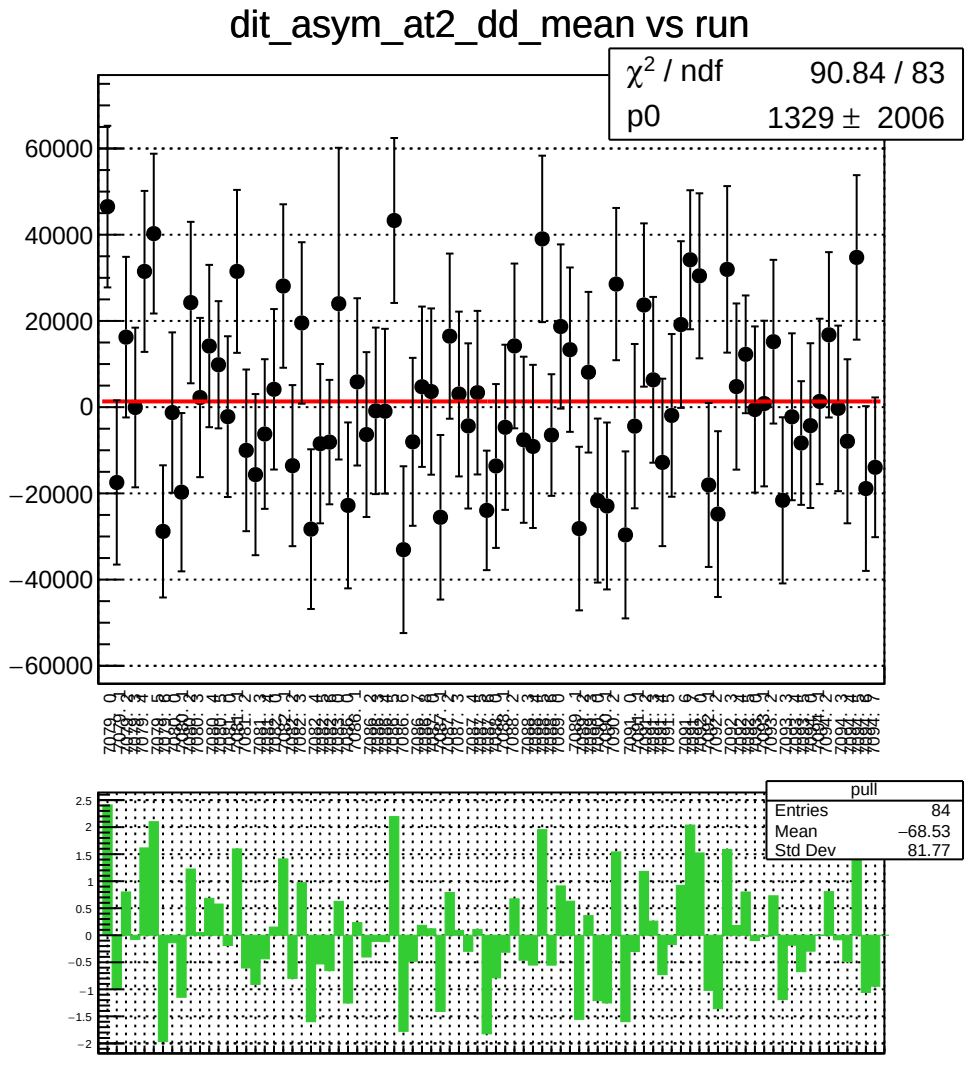

pull1D
Entries 84
Mean 0.01929
Std Dev 0.9937

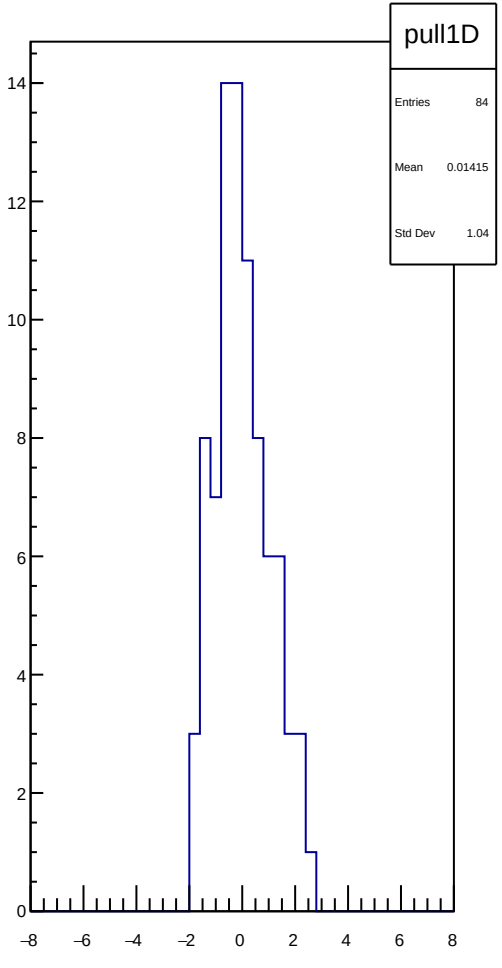

asym_at2_avg_correction_rms vs run
χ² / ndf 8953 / 83
p0 1.158e+04 ± 9.134
14000
13000
12000
11000
10000

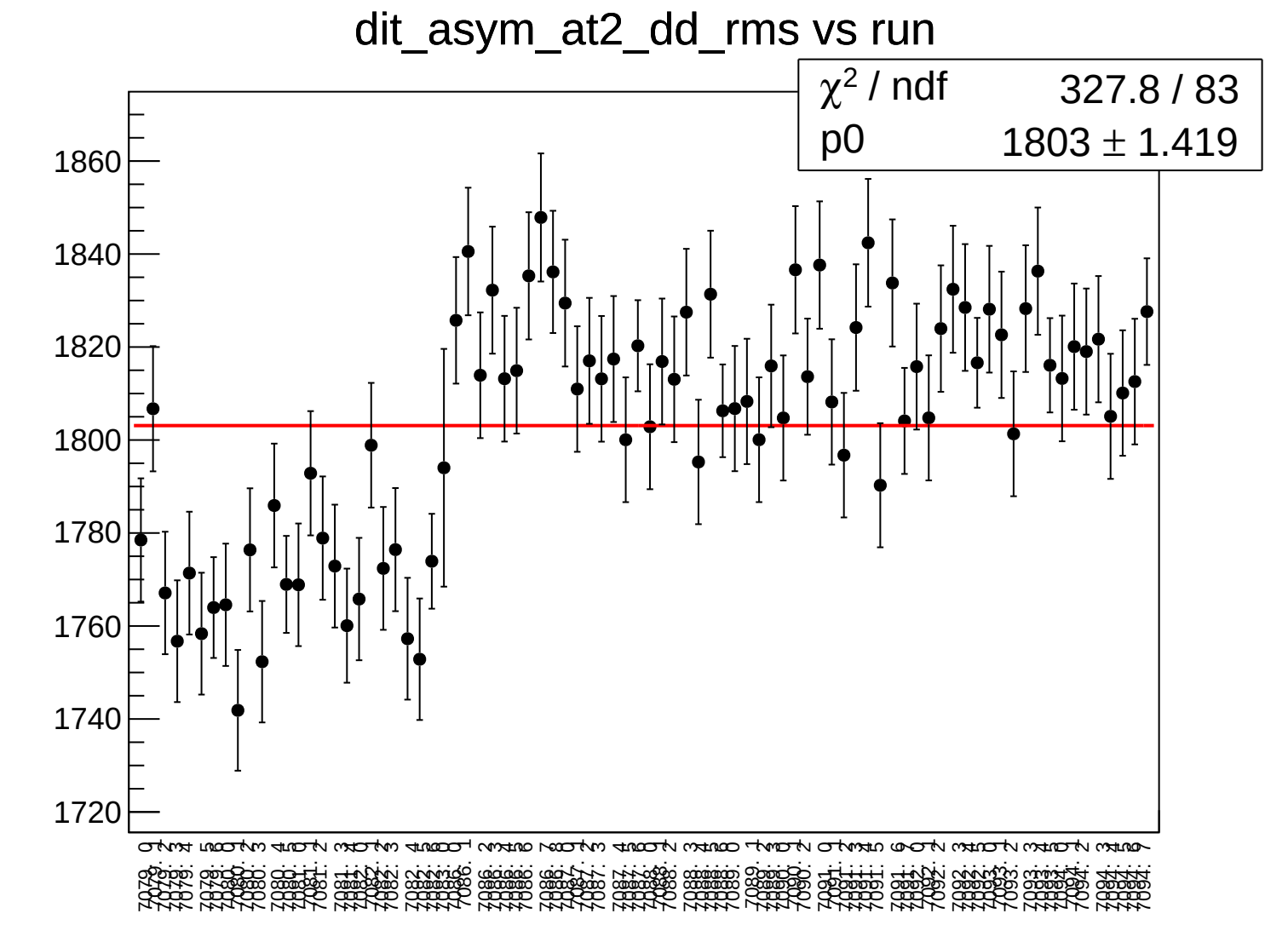

asym_at2_avg_mean vs run
×10^3
χ² / ndf 78.87 / 83
p0 2492 ± 1.307e+04
pull
Entries 84
Mean −64.39
Std Dev 95.18

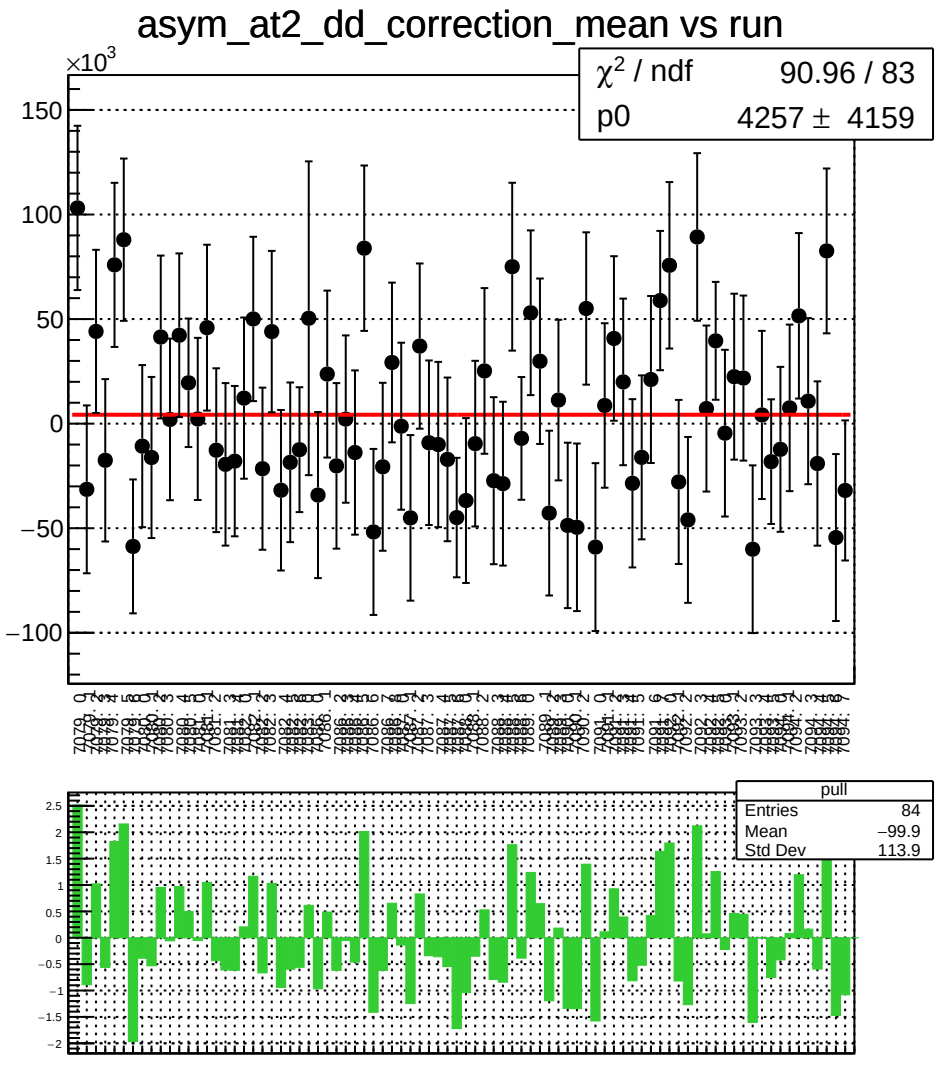

pull1D
Entries 84
Mean −0.01784
Std Dev 0.9688

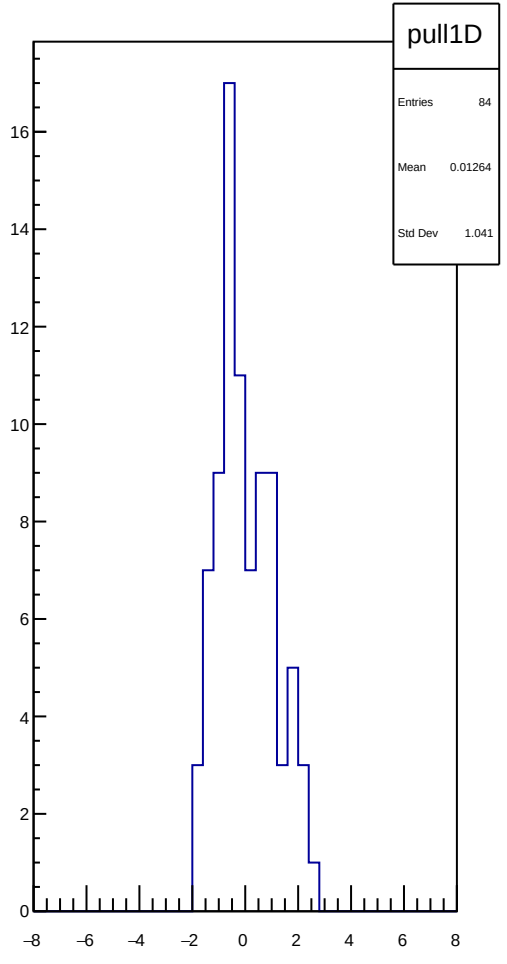

asym_at2_avg_rms vs run
χ² / ndf 8368 / 83
p0 1.172e+04 ± 9.24
14000
13000
12000
11000
10000

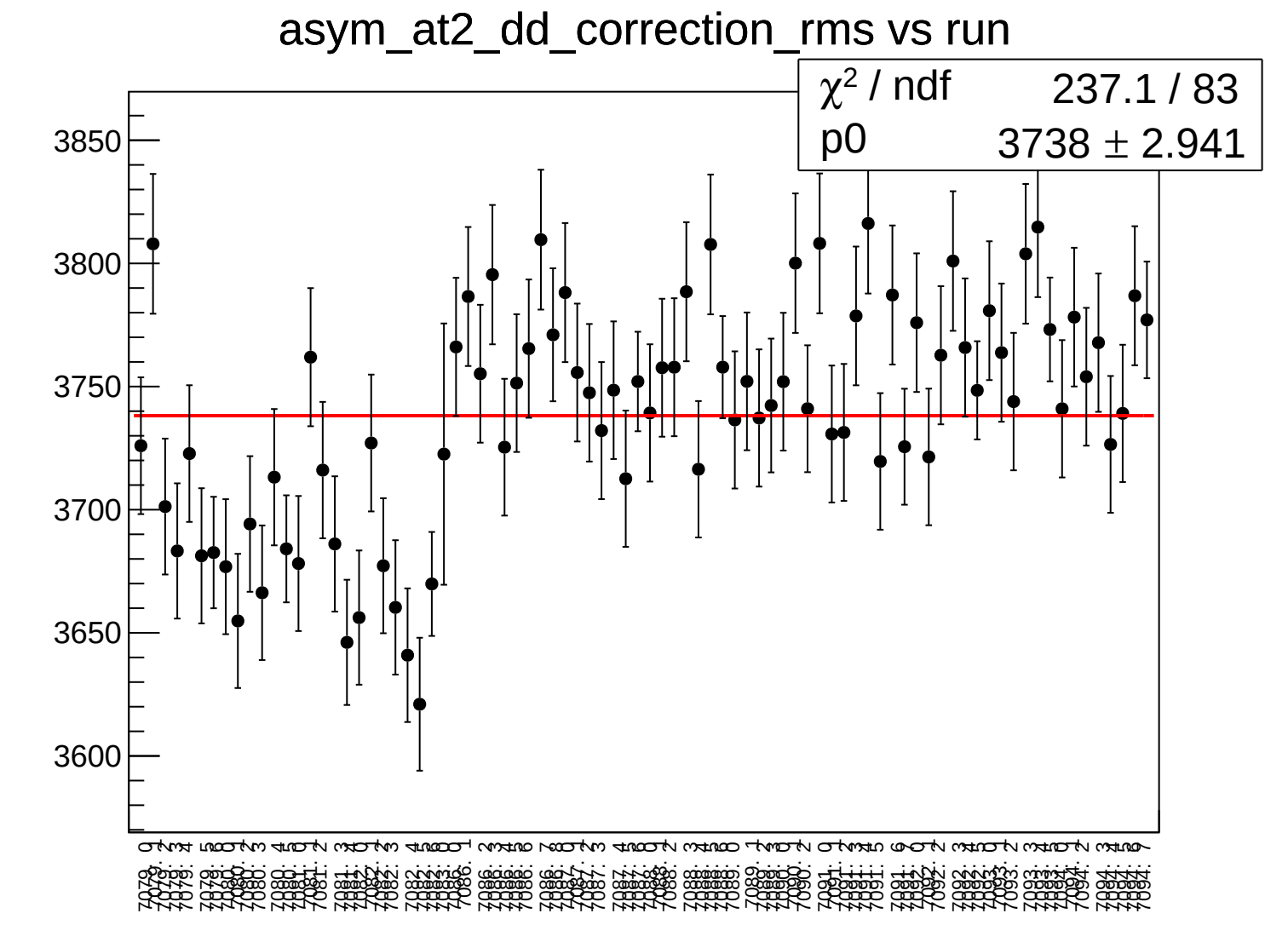

dit_asym_at2_dd_mean vs run
χ² / ndf 90.84 / 83
p0 1329 ± 2006
pull
Entries 84
Mean −68.53
Std Dev 81.77

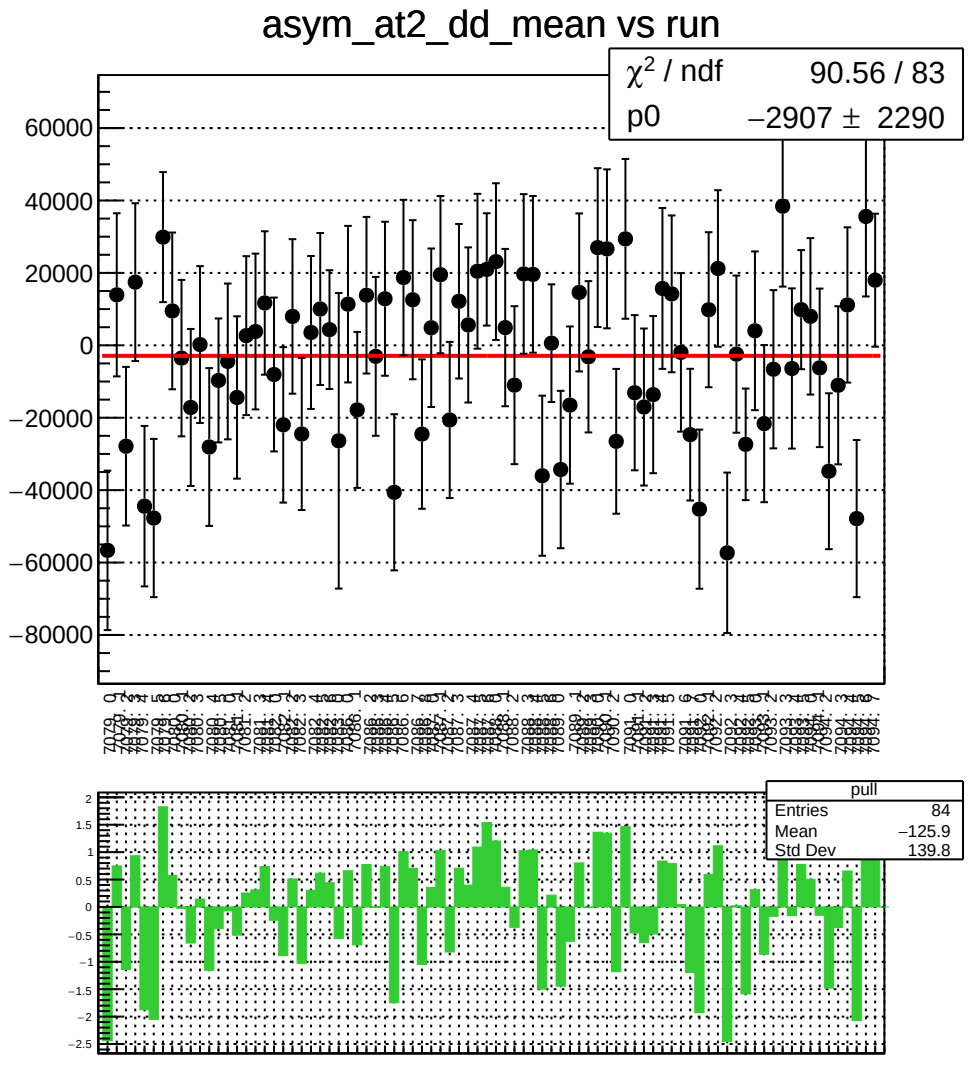

pull1D
Entries 84
Mean 0.01415
Std Dev 1.04

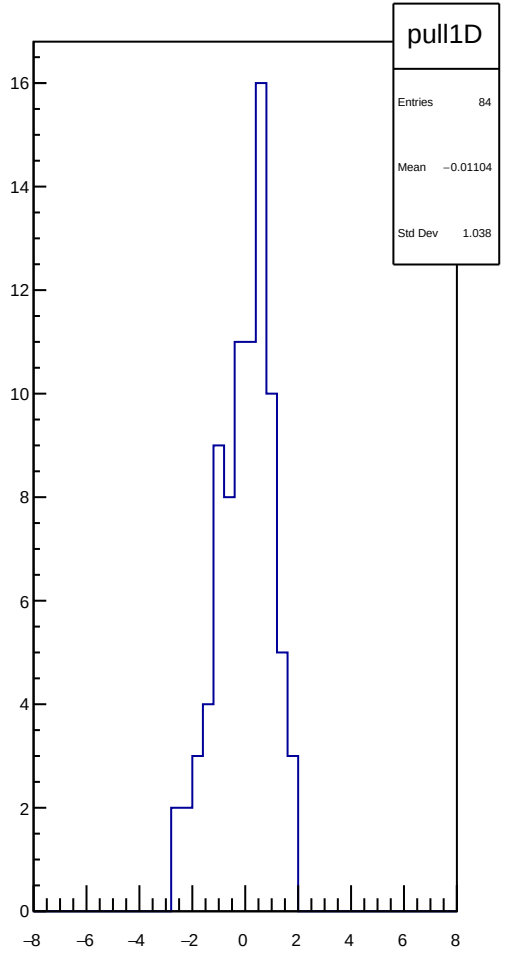

dit_asym_at2_dd_rms vs run
χ² / ndf 327.8 / 83
p0 1803 ± 1.419
1860
1840
1820
1800
1780
1760
1740
1720

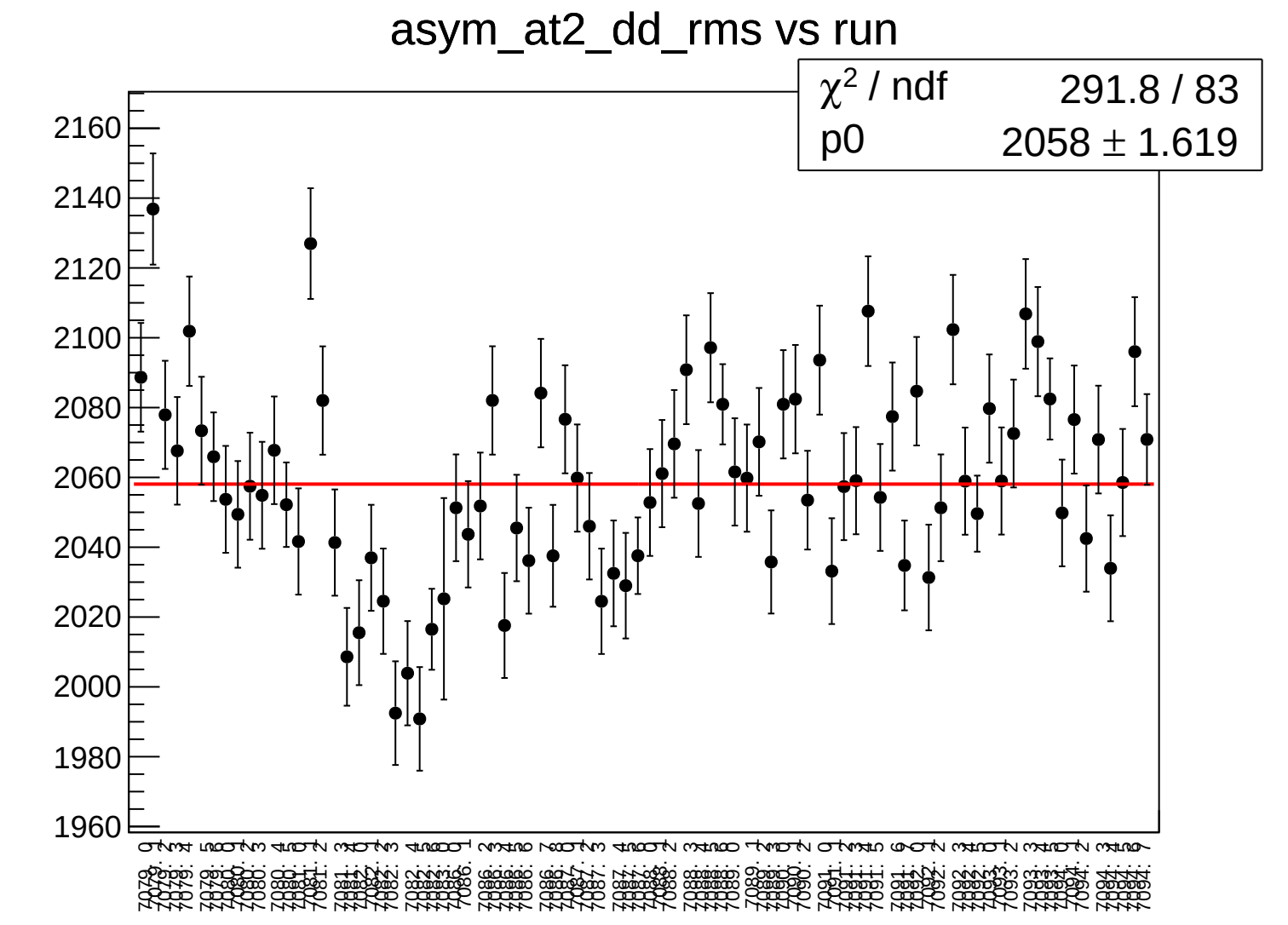

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 90.96 / 83
p0 4257 ± 4159
150
100
50
0
−50
−100
pull
Entries 84
Mean −99.9
Std Dev 113.9
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

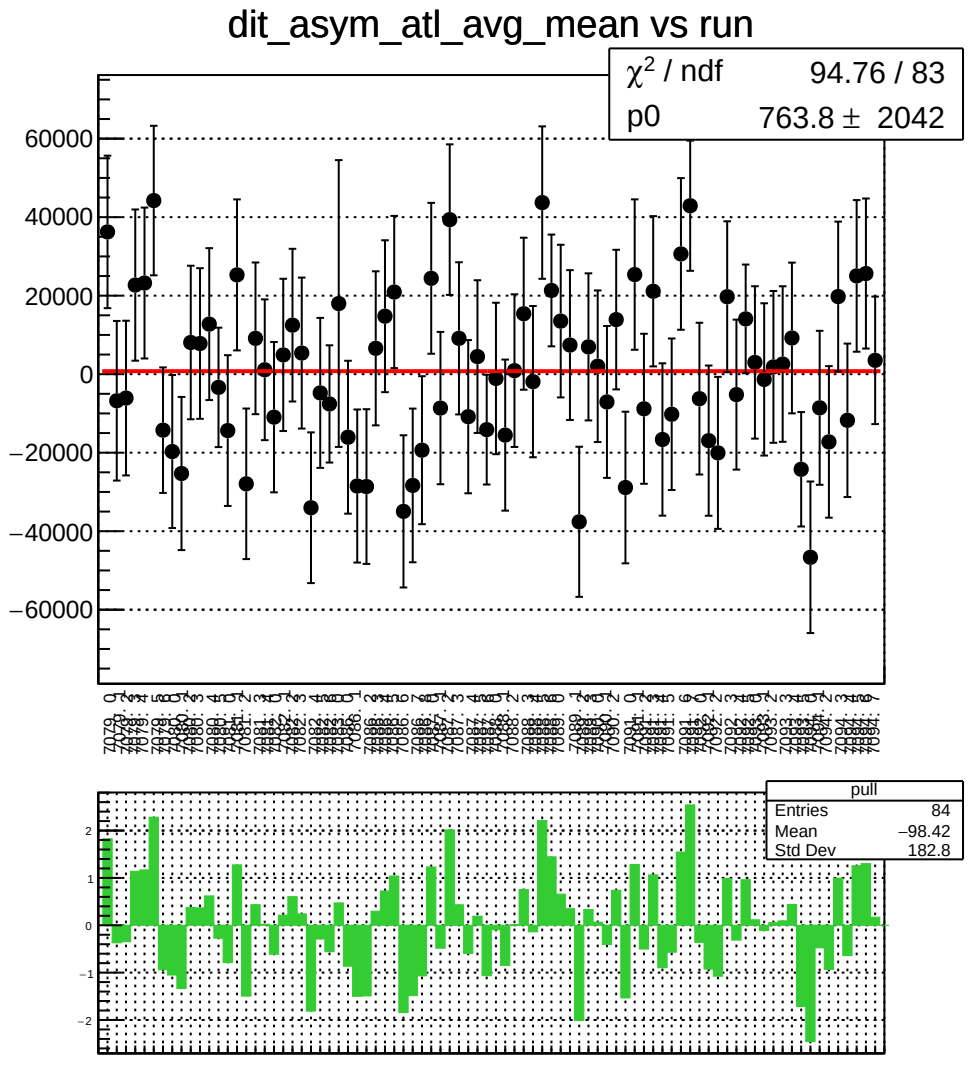

pull1D
Entries 84
Mean 0.01264
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

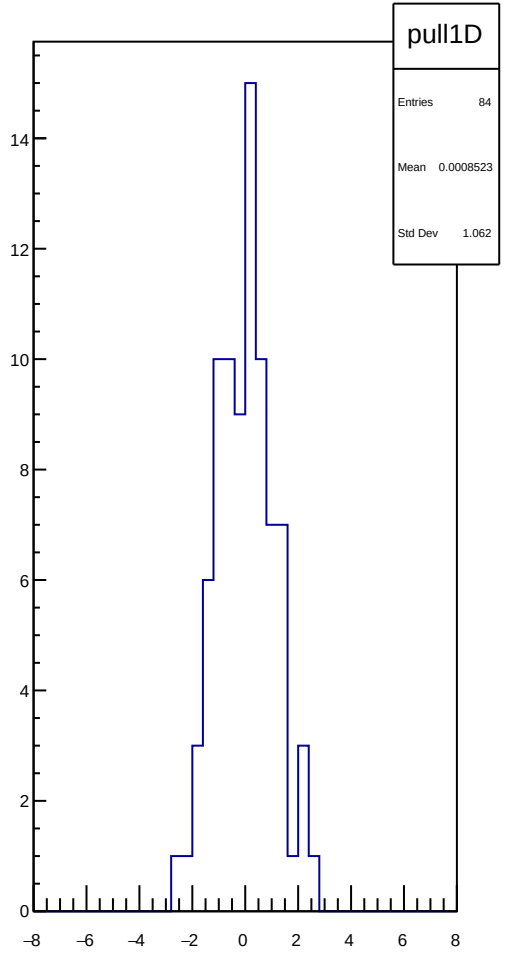

asym_at2_dd_correction_rms vs run
χ² / ndf 237.1 / 83
p0 3738 ± 2.941
3850
3800
3750
3700
3650
3600

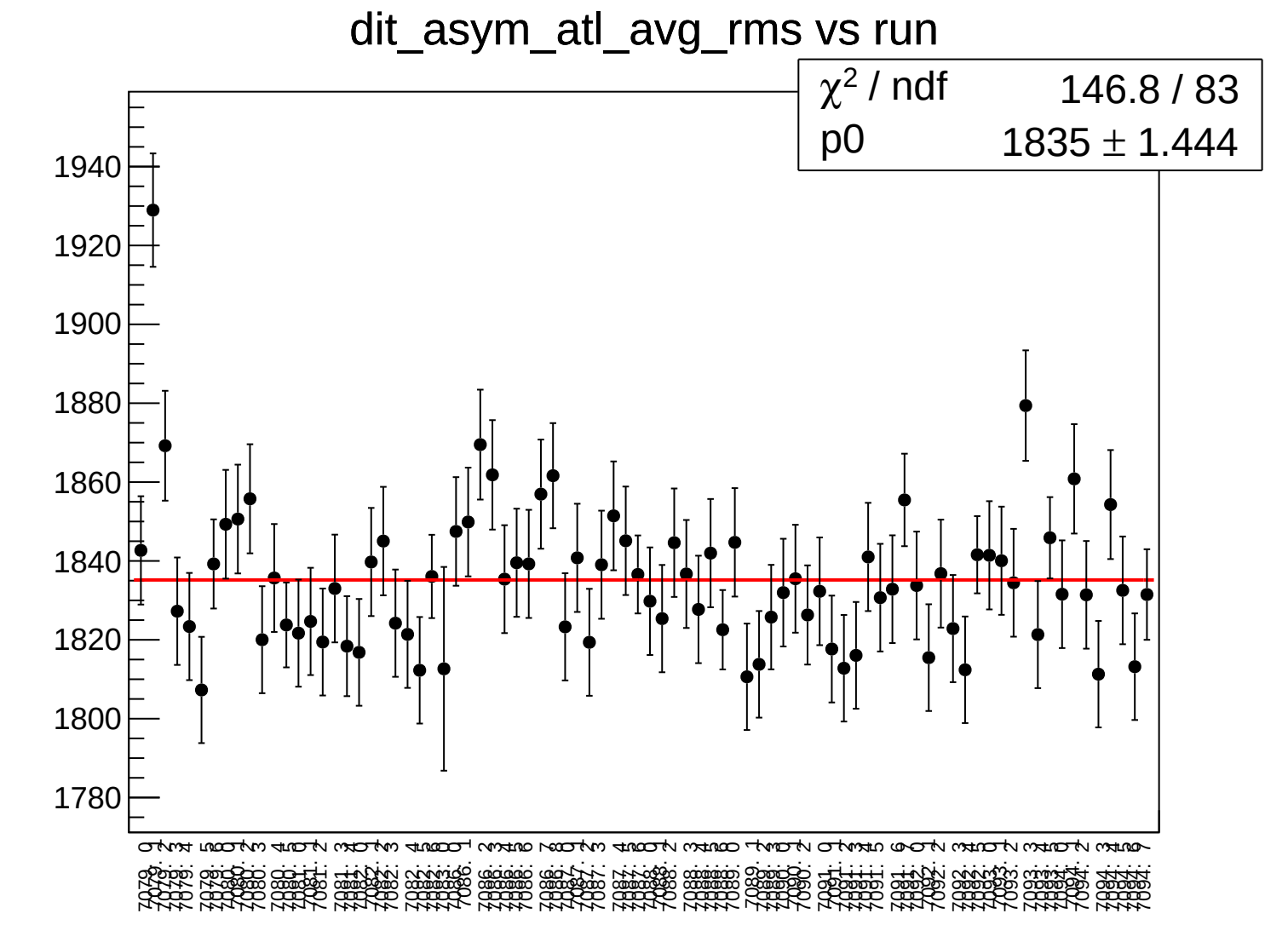

asym_at2_dd_mean vs run
χ² / ndf 90.56 / 83
p0 −2907 ± 2290
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 84
Mean −125.9
Std Dev 139.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

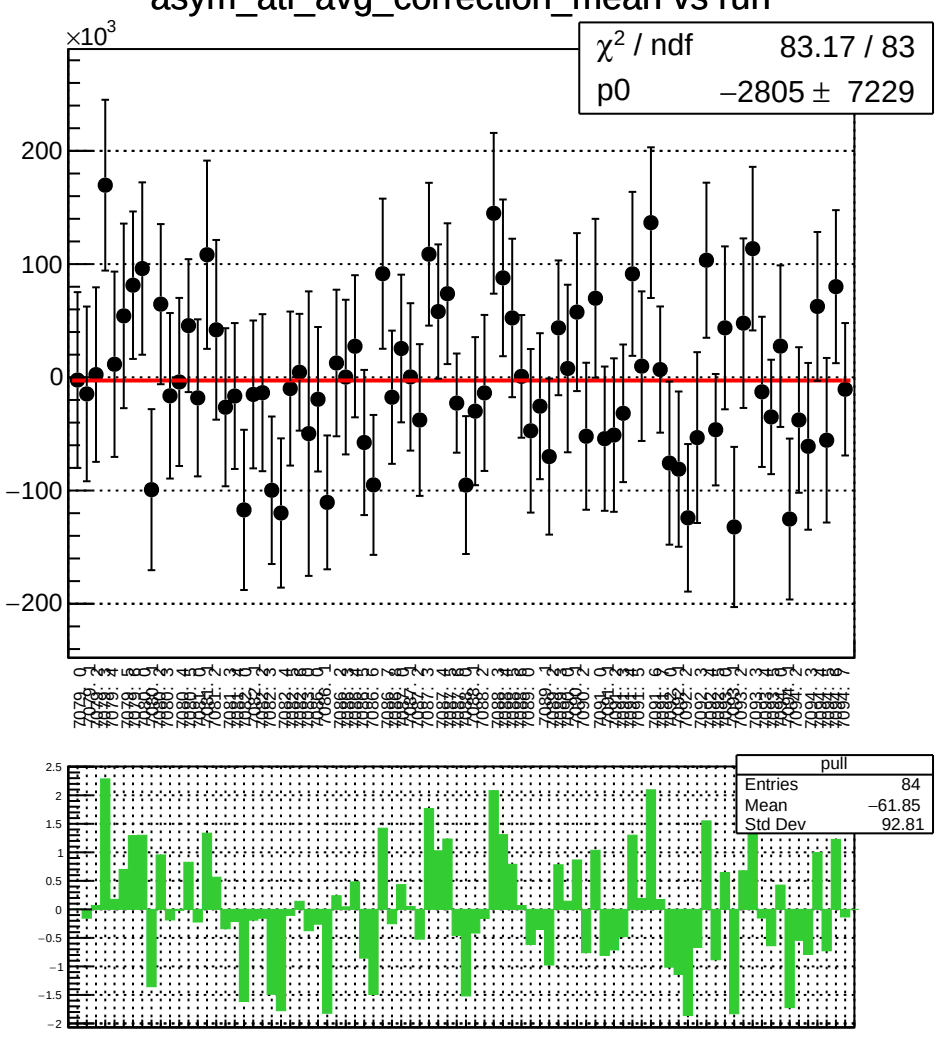

pull1D
Entries 84
Mean −0.01104
Std Dev 1.038
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

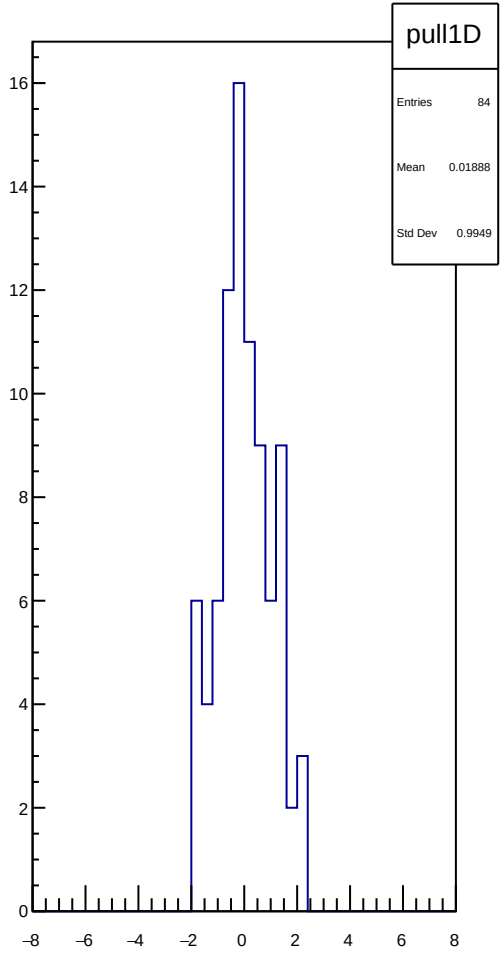

asym_at2_dd_rms vs run
χ² / ndf 291.8 / 83
p0 2058 ± 1.619
2160
2140
2120
2100
2080
2060
2040
2020
2000
1980
1960

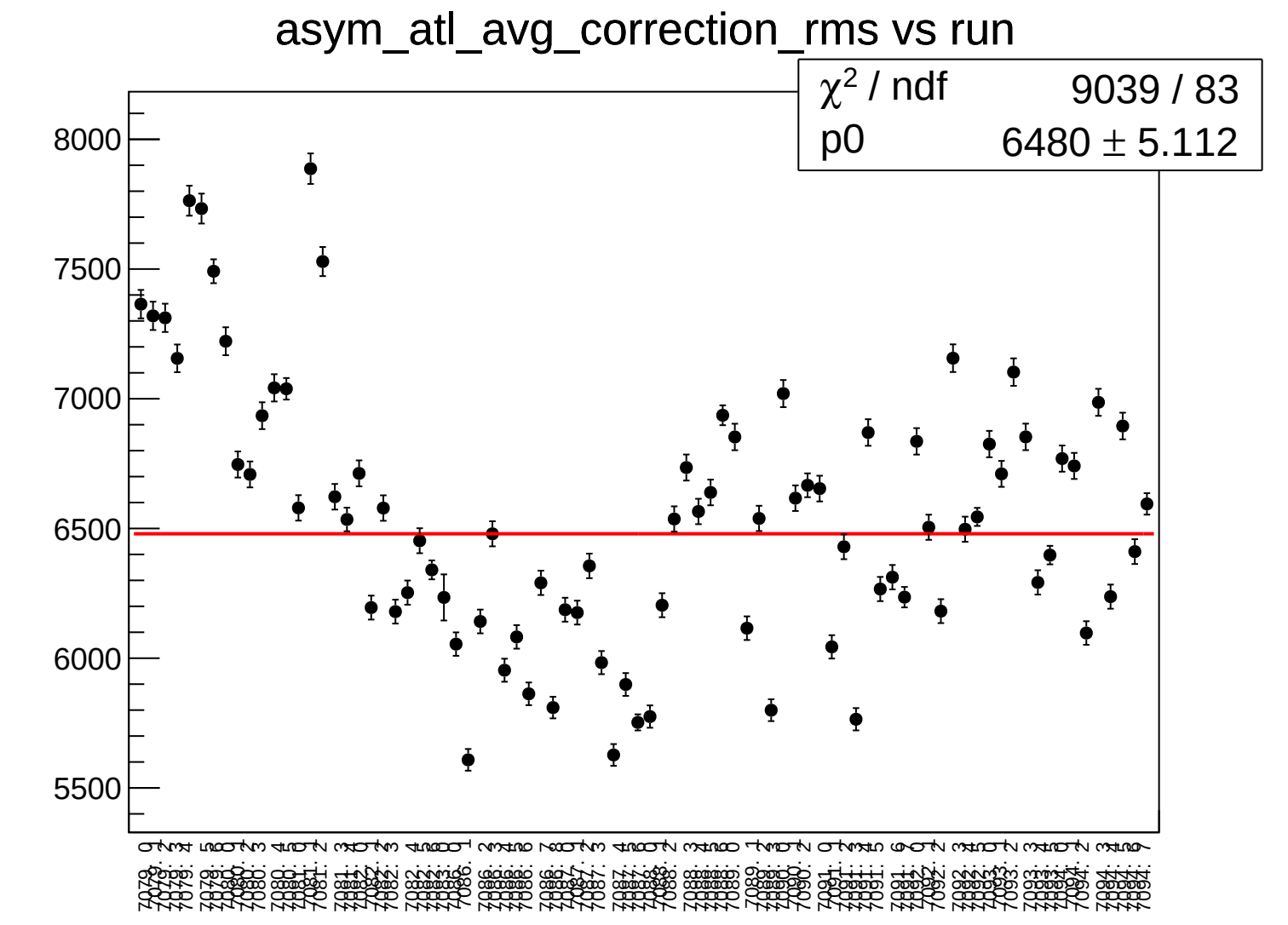

dit_asym_atl_avg_mean vs run
χ² / ndf 94.76 / 83
p0 763.8 ± 2042
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −98.42
Std Dev 182.8
2
1
0
−1
−2

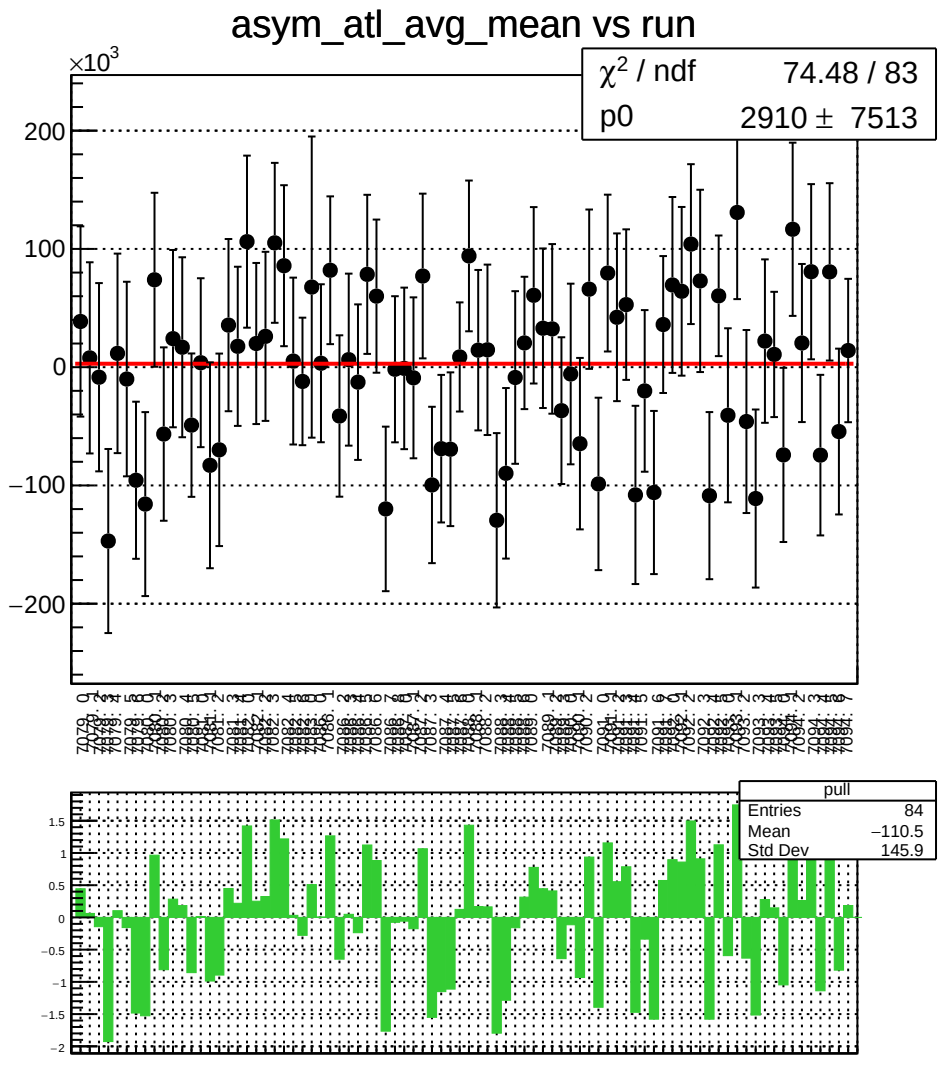

pull1D
Entries 84
Mean 0.0008523
Std Dev 1.062
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

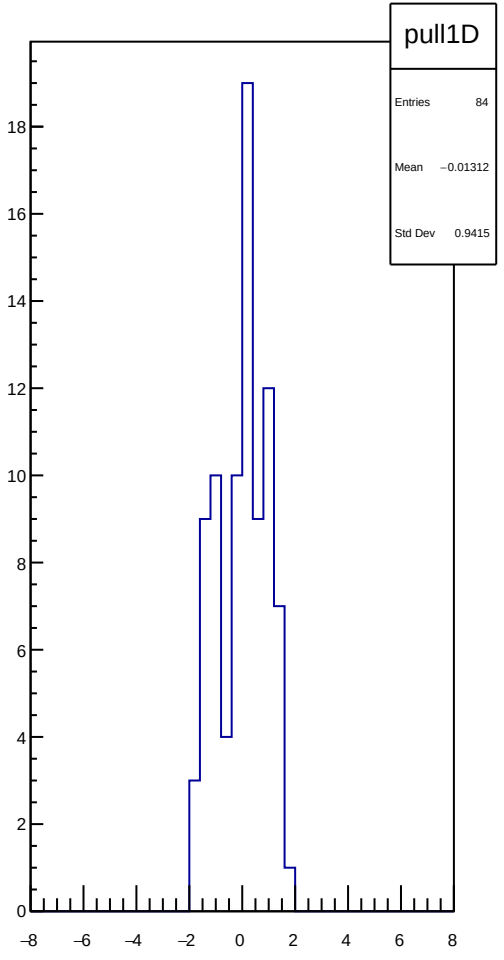

dit_asym_atl_avg_rms vs run
χ² / ndf 146.8 / 83
p0 1835 ± 1.444
1940
1920
1900
1880
1860
1840
1820
1800
1780

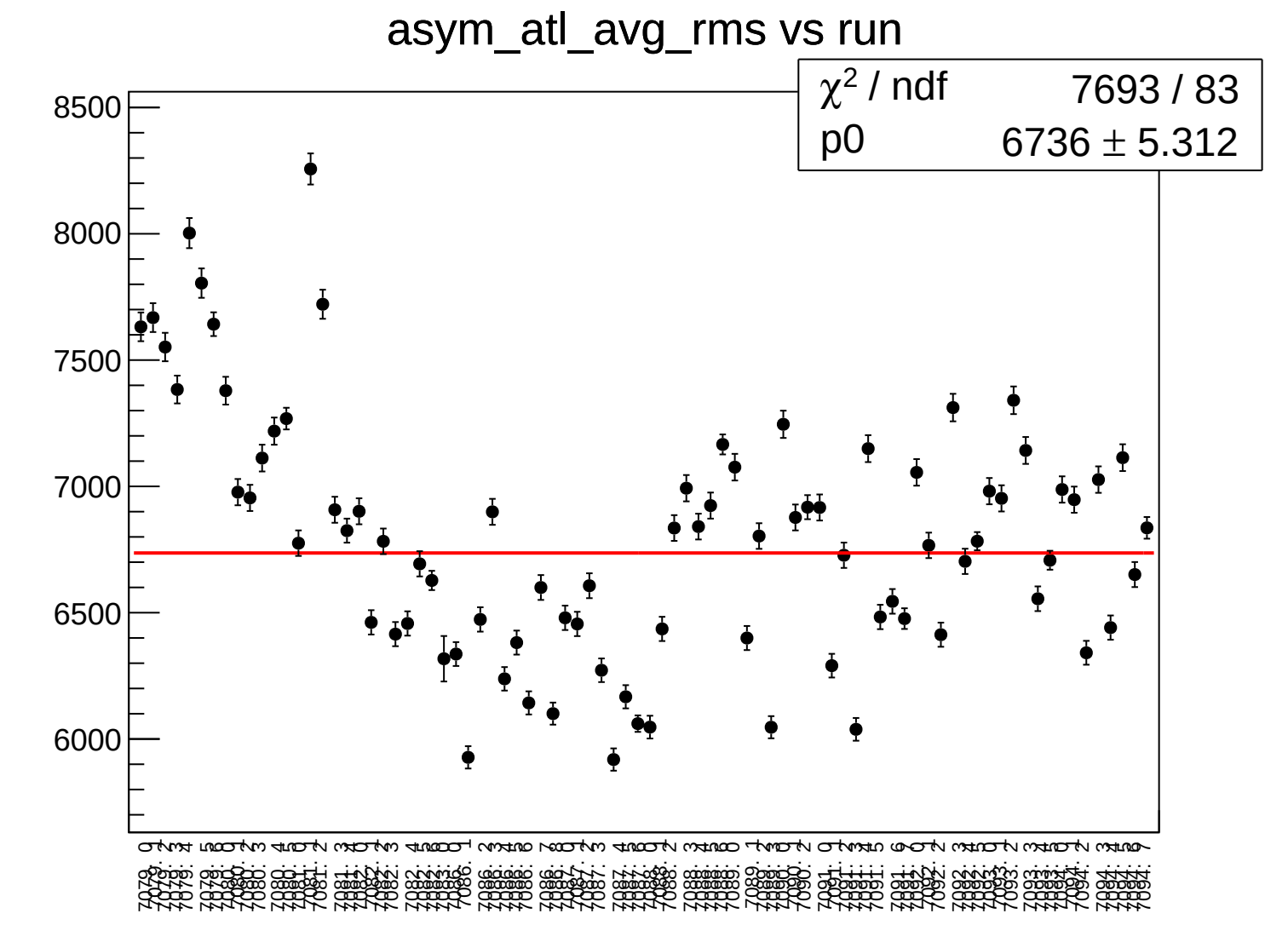

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 83.17 / 83
p0 −2805 ± 7229
200
100
0
−100
−200
pull
Entries 84
Mean −61.85
Std Dev 92.81
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

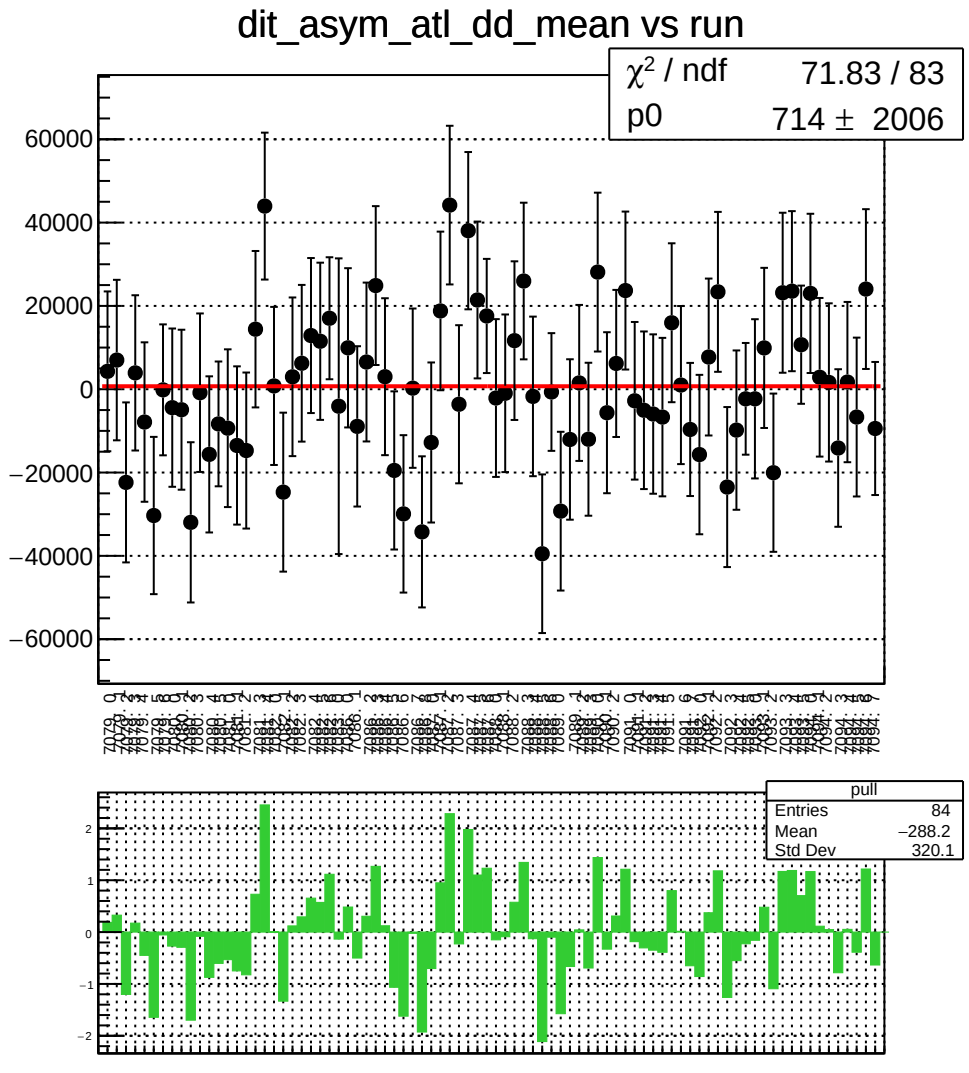

pull1D
Entries 84
Mean 0.01888
Std Dev 0.9949
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

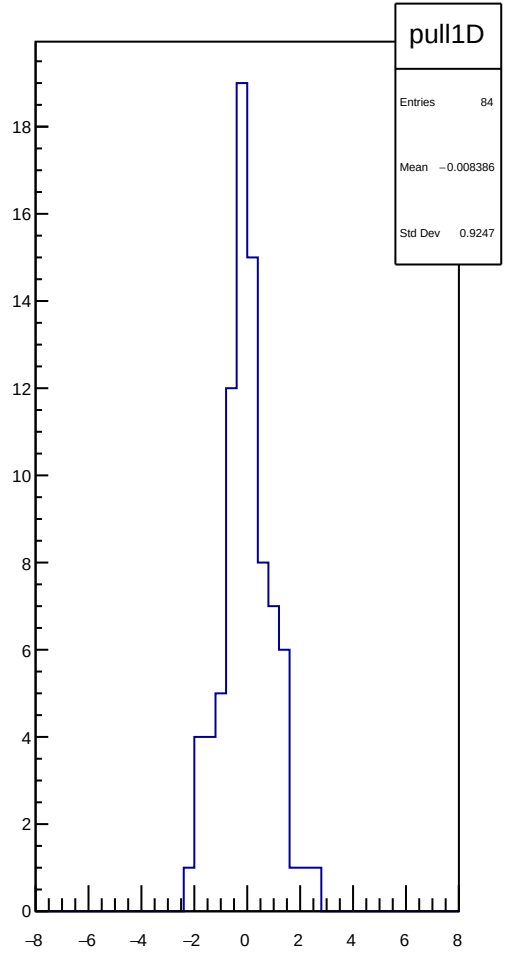

asym_atl_avg_correction_rms vs run
χ² / ndf 9039 / 83
p0 6480 ± 5.112
8000
7500
7000
6500
6000
5500

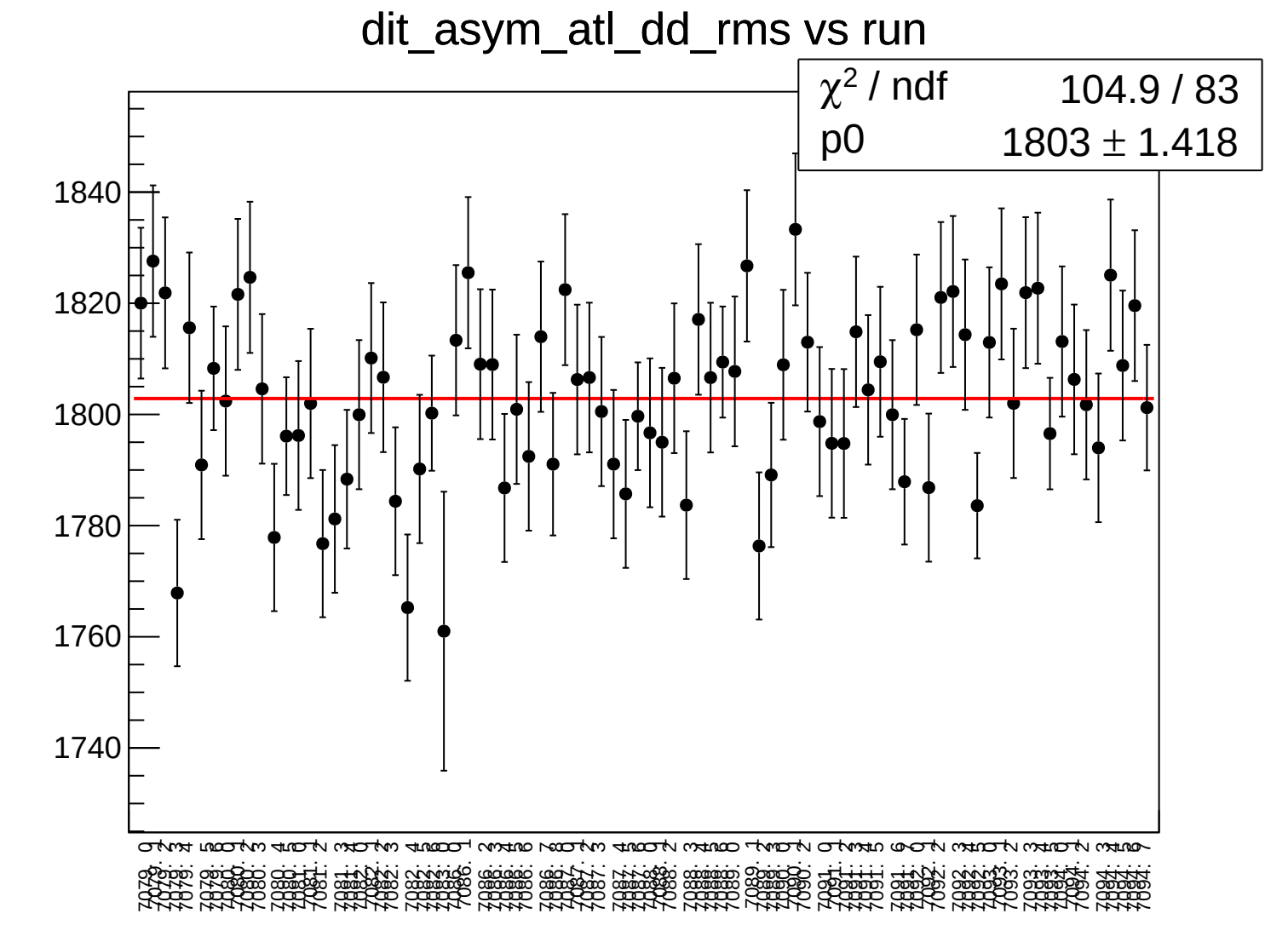

asym_atl_avg_mean vs run
χ² / ndf 74.48 / 83
p0 2910 ± 7513
×10³
pull
Entries 84
Mean −110.5
Std Dev 145.9

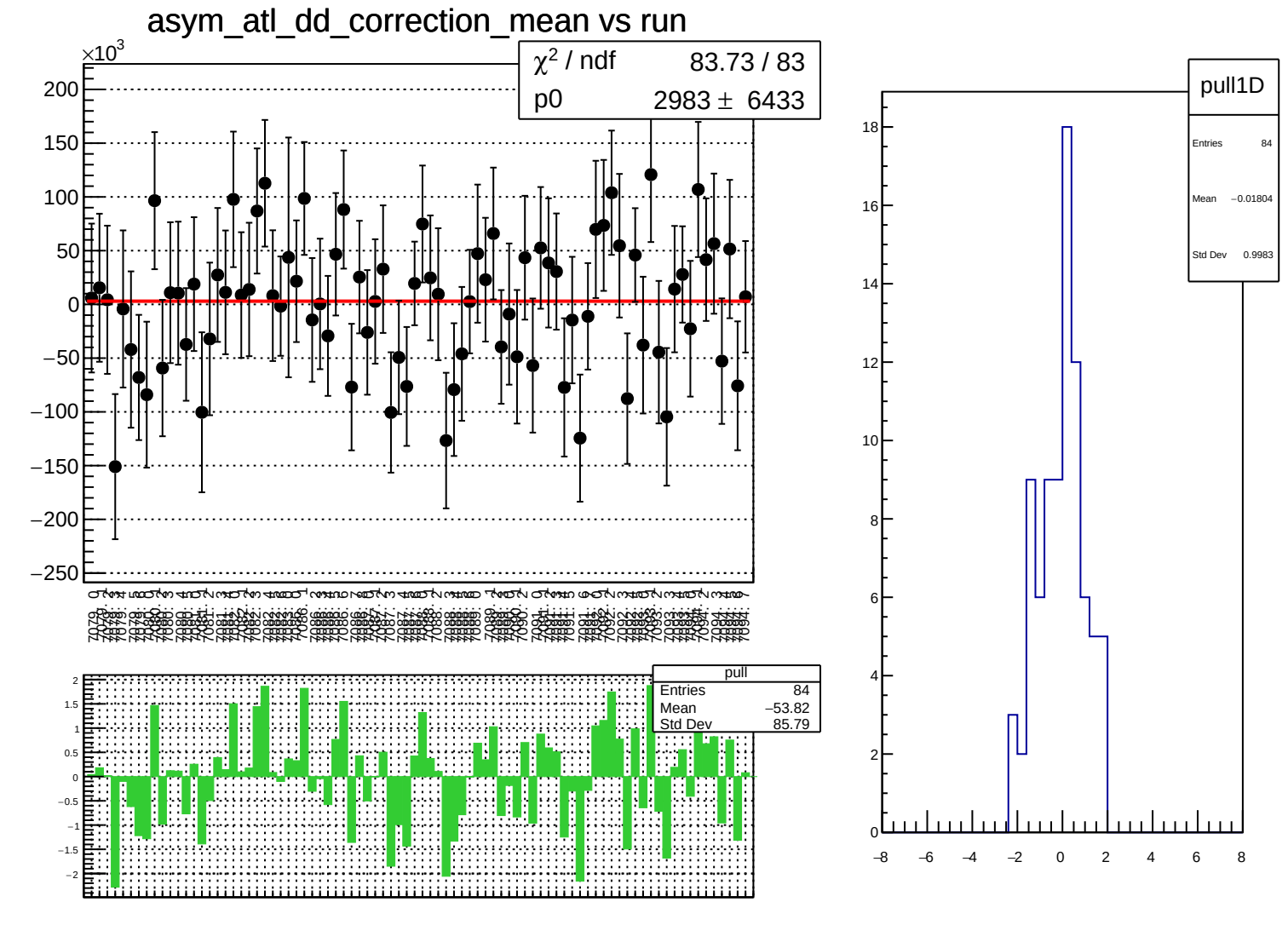

pull1D
Entries 84
Mean −0.01312
Std Dev 0.9415

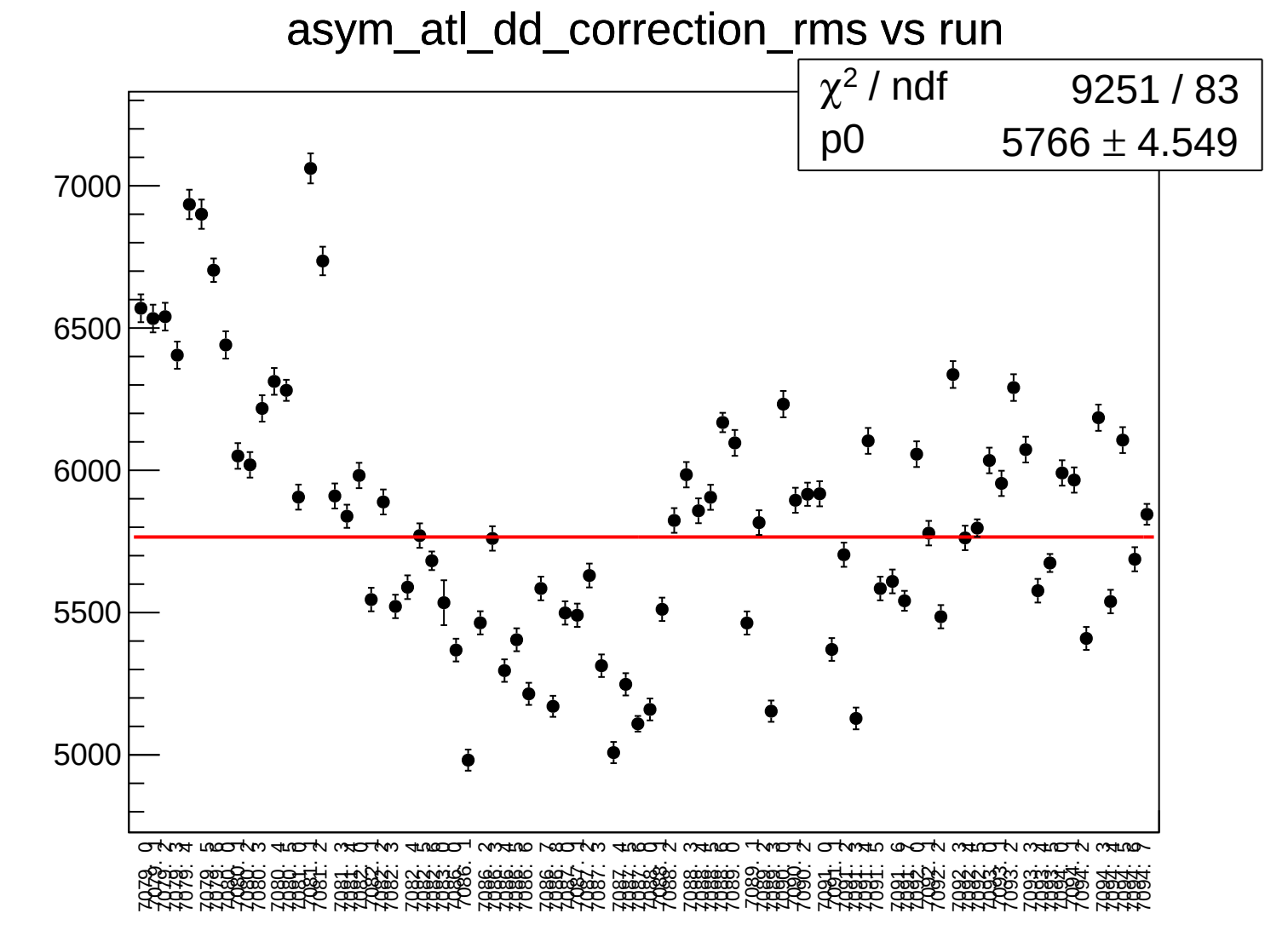

asym_atl_avg_rms vs run
χ² / ndf 7693 / 83
p0 6736 ± 5.312
8500
8000
7500
7000
6500
6000

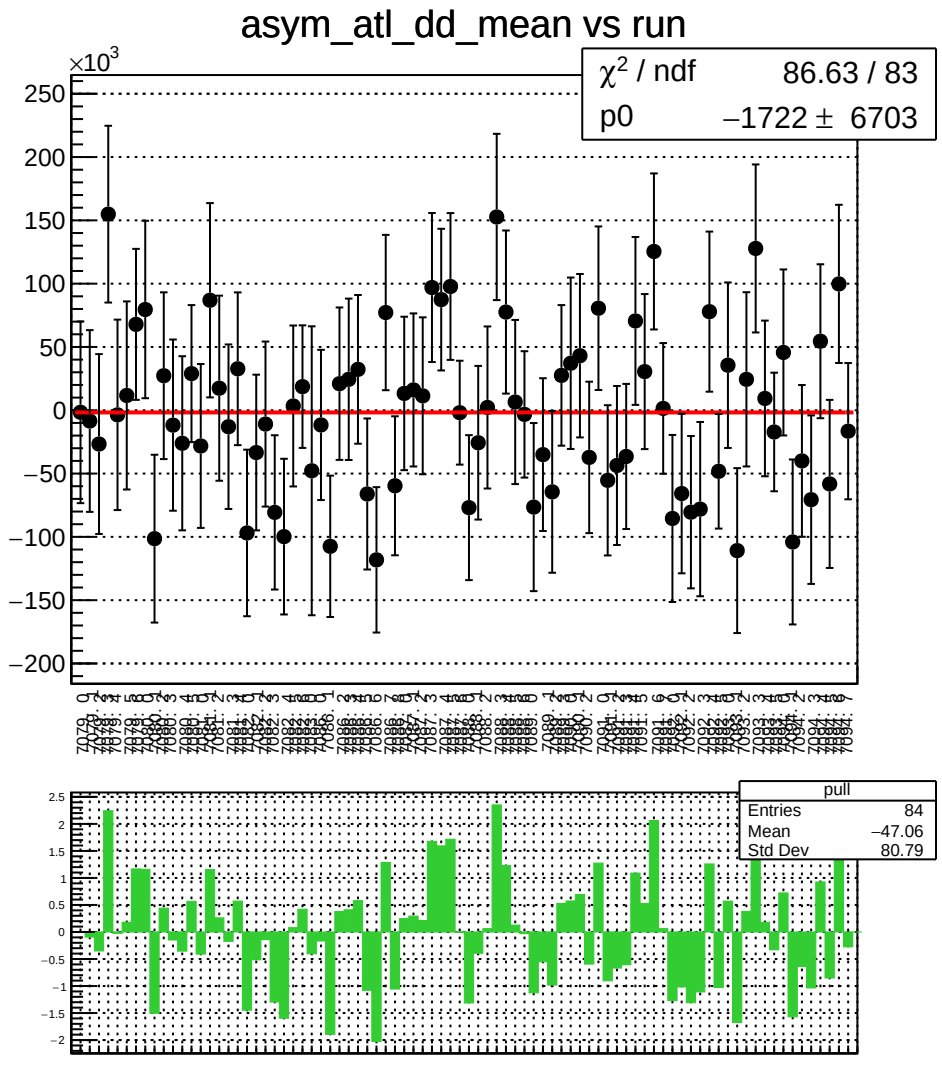

dit_asym_atl_dd_mean vs run
χ² / ndf 71.83 / 83
p0 714 ± 2006
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −288.2
Std Dev 320.1
2
1
0
−1
−2

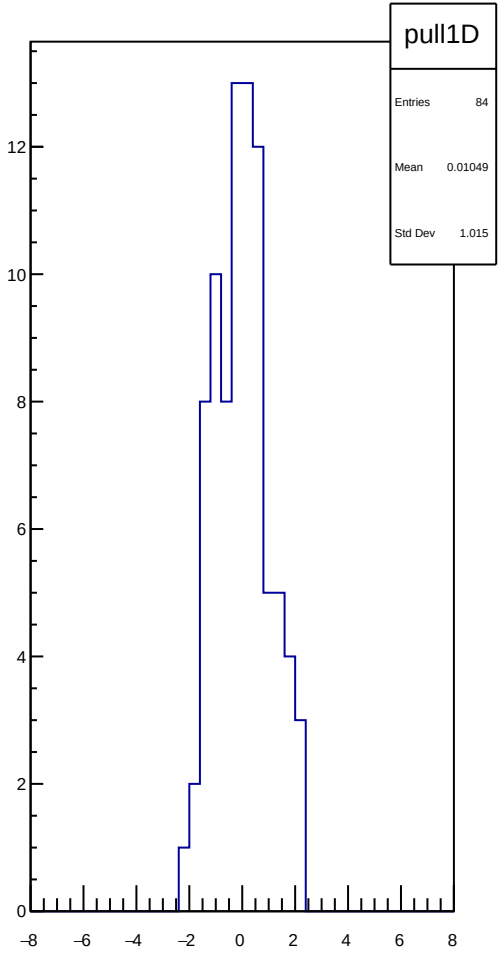

pull1D
Entries 84
Mean −0.008386
Std Dev 0.9247
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

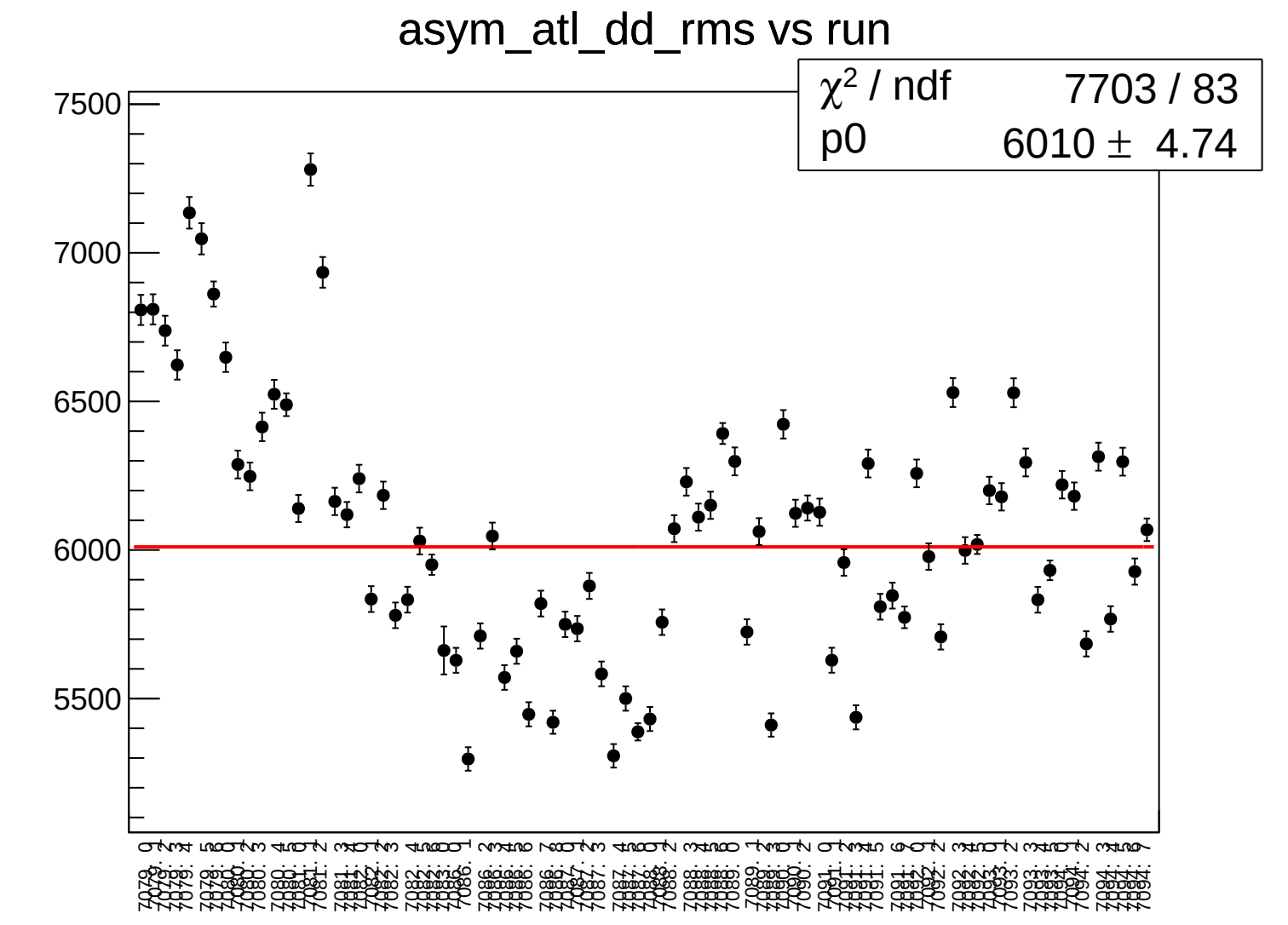

dit_asym_atl_dd_rms vs run
χ² / ndf 104.9 / 83
p0 1803 ± 1.418
1840
1820
1800
1780
1760
1740

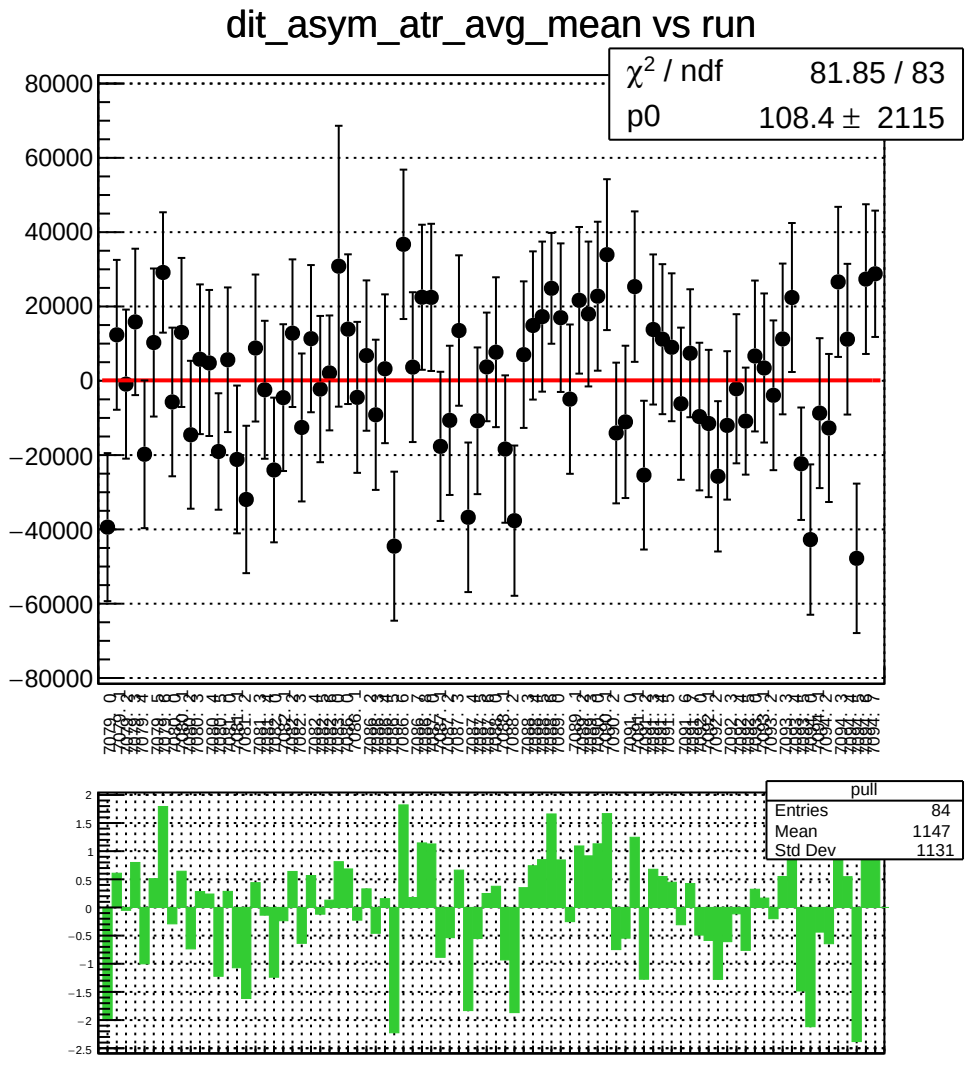

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 83.73 / 83
p0 2983 ± 6433
pull
Entries 84
Mean −53.82
Std Dev 85.79
pull1D
Entries 84
Mean −0.01804
Std Dev 0.9983

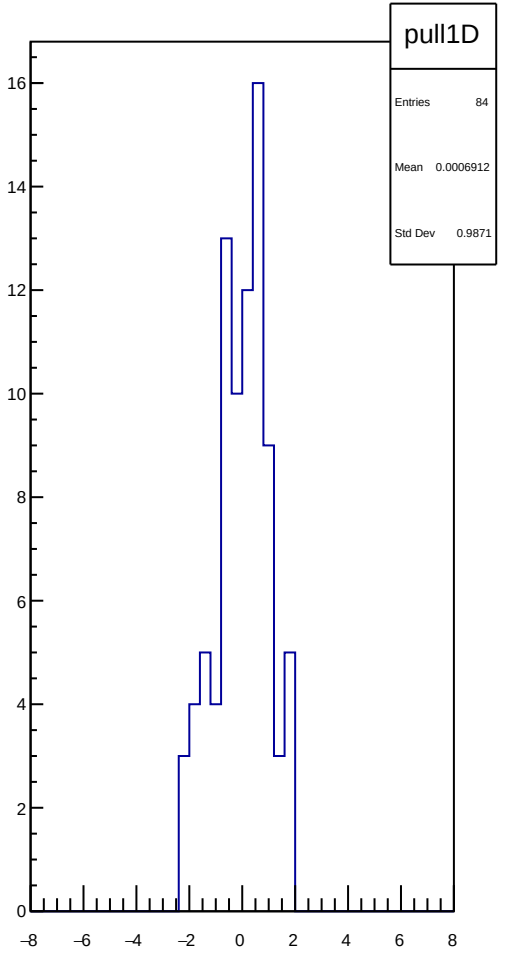

asym_atl_dd_correction_rms vs run
χ² / ndf 9251 / 83
p0 5766 ± 4.549
7000
6500
6000
5500
5000

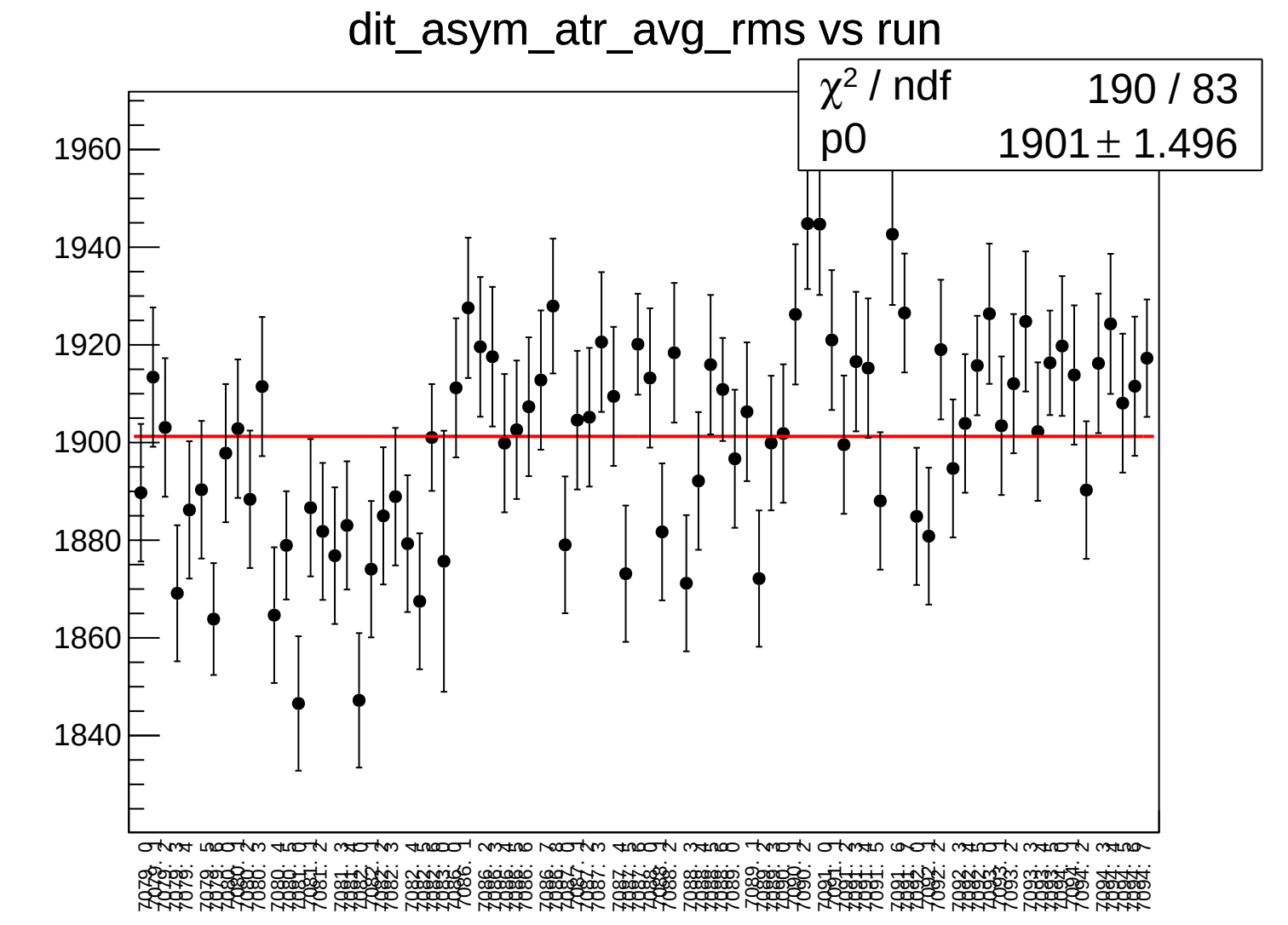

asym_atl_dd_mean vs run
×10^3
χ² / ndf 86.63 / 83
p0 −1722 ± 6703
pull
Entries 84
Mean −47.06
Std Dev 80.79

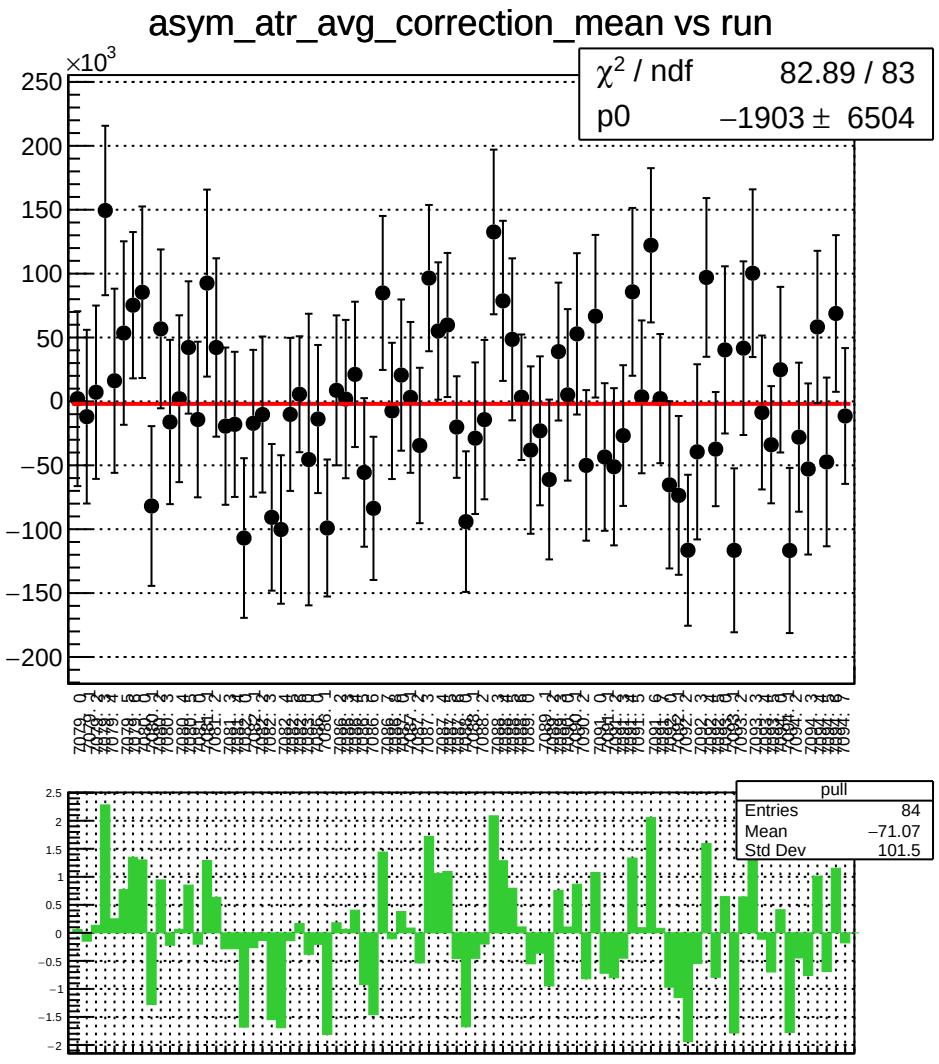

pull1D
Entries 84
Mean 0.01049
Std Dev 1.015

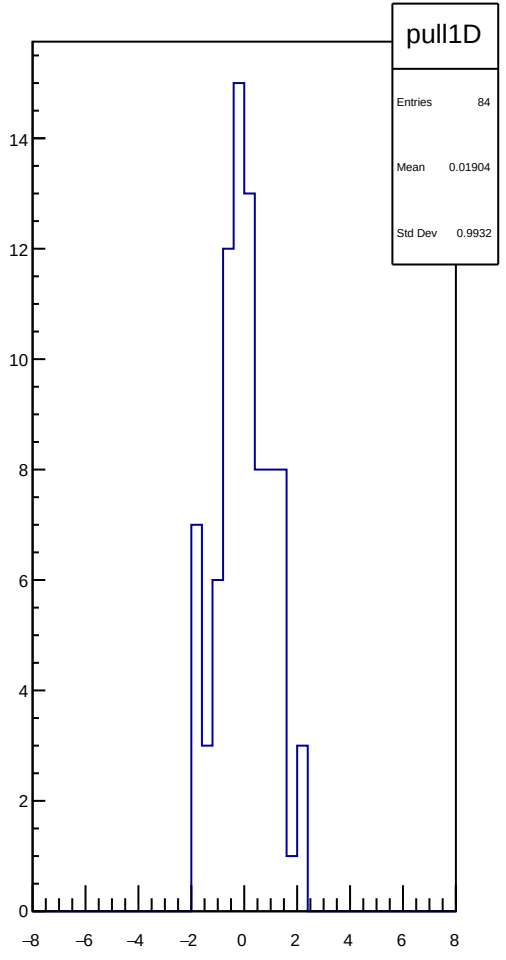

asym_atl_dd_rms vs run
χ² / ndf 7703 / 83
p0 6010 ± 4.74
7500
7000
6500
6000
5500

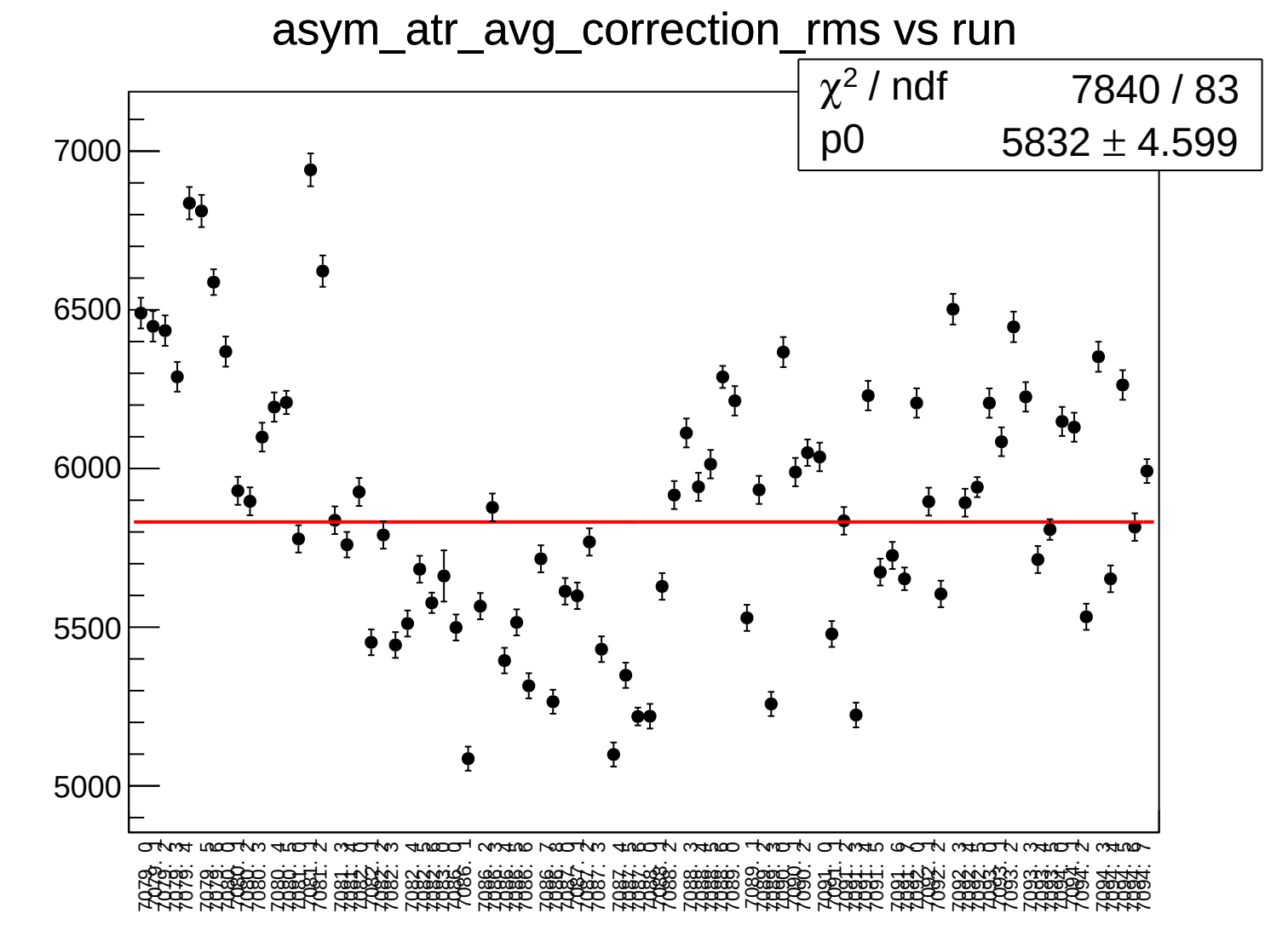

dit_asym_atr_avg_mean vs run
χ² / ndf 81.85 / 83
p0 108.4 ± 2115
pull
Entries 84
Mean 1147
Std Dev 1131

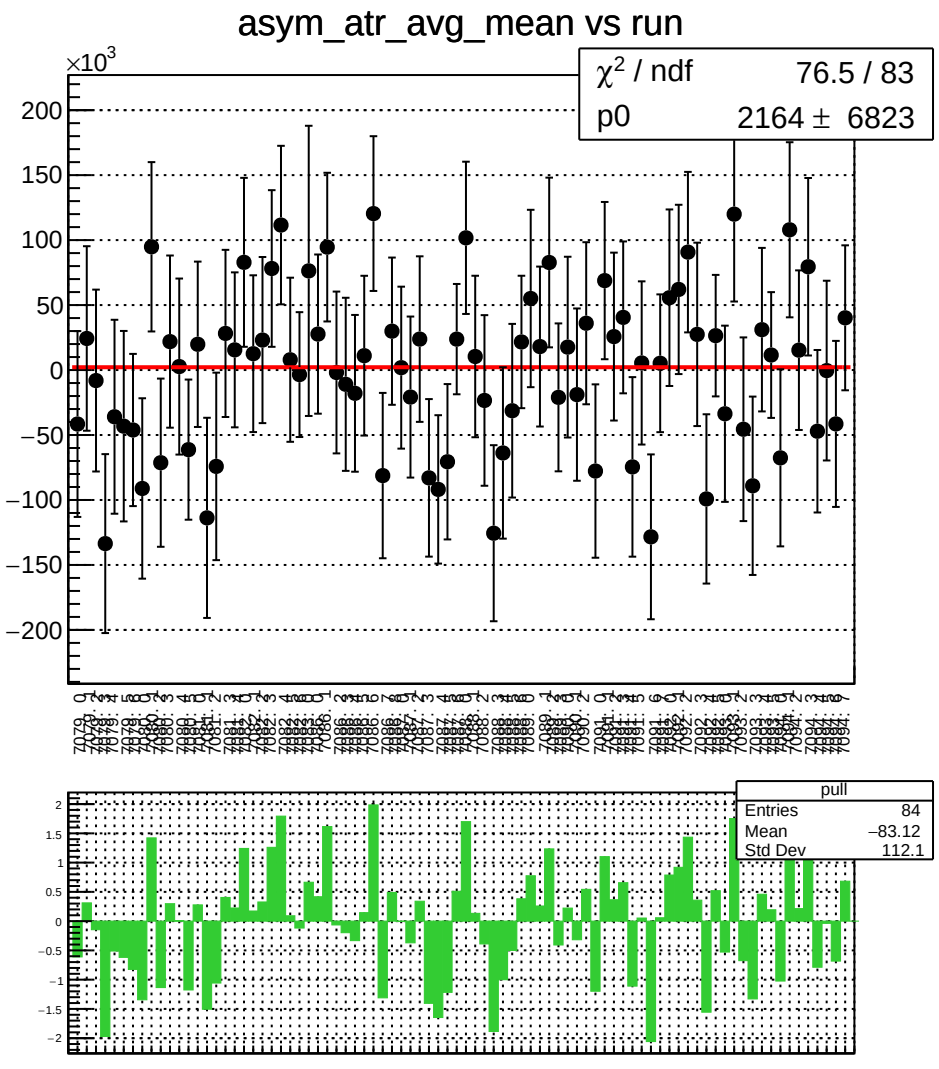

pull1D
Entries 84
Mean 0.0006912
Std Dev 0.9871

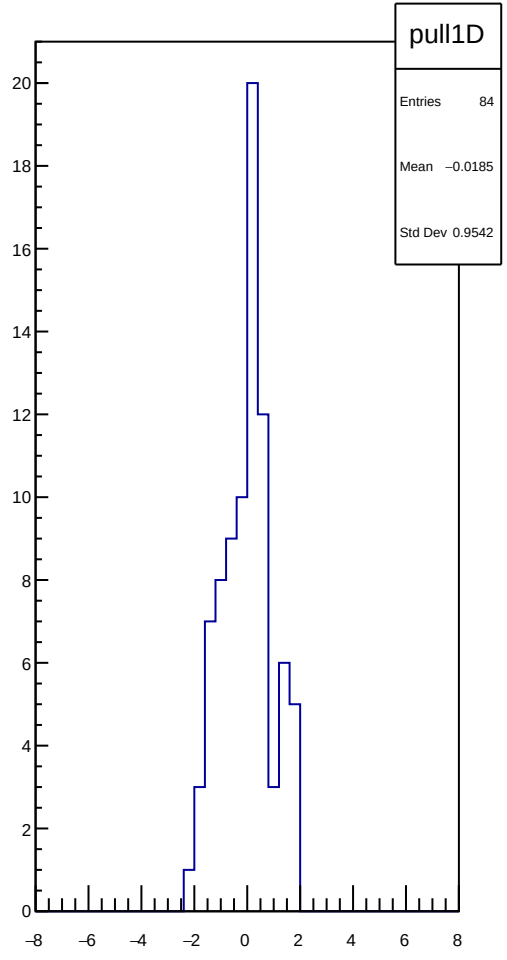

dit_asym_atr_avg_rms vs run
χ² / ndf 190 / 83
p0 1901 ± 1.496
1960
1940
1920
1900
1880
1860
1840

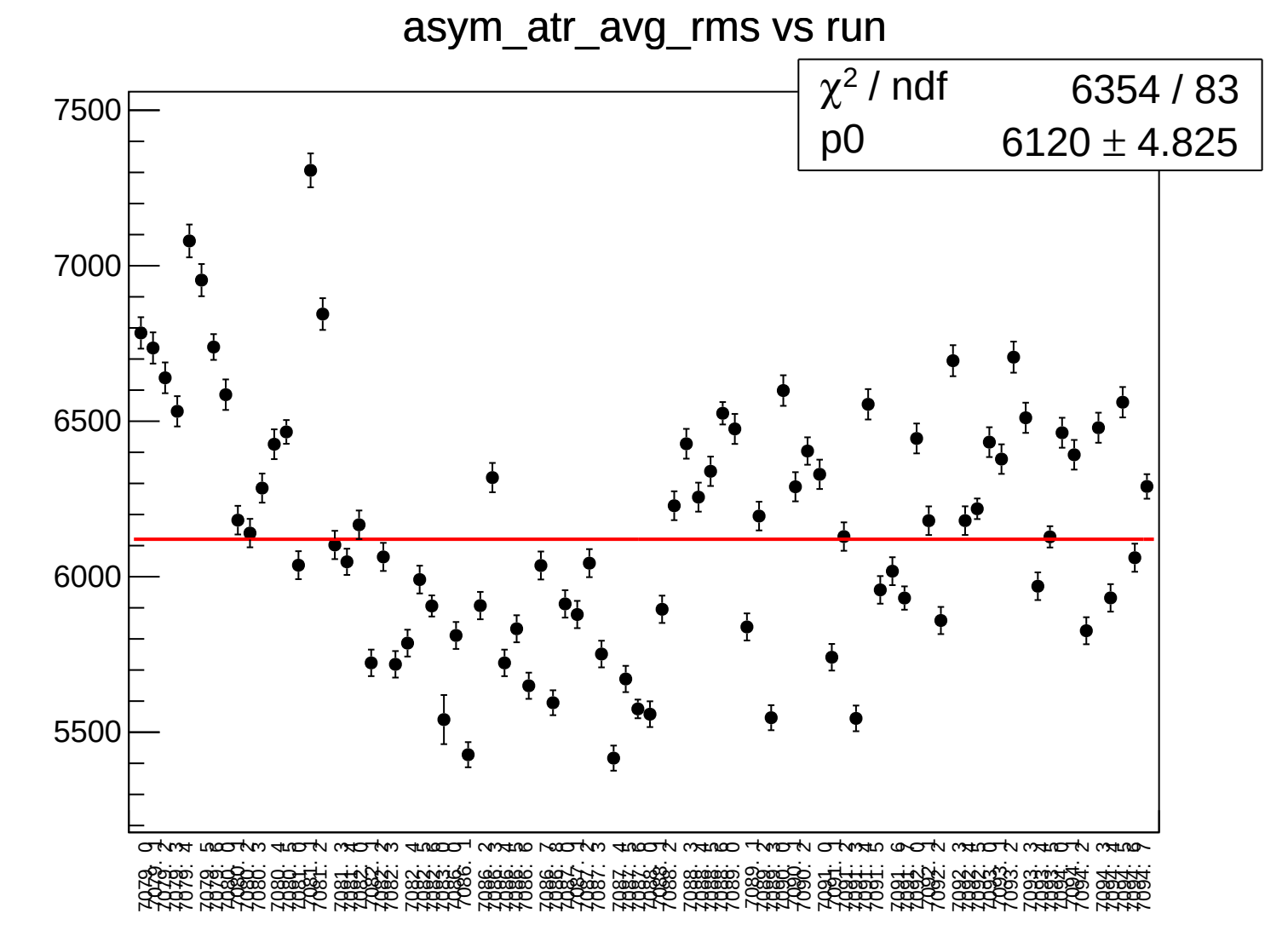

asym_atr_avg_correction_mean vs run
χ² / ndf 82.89 / 83
p0 −1903 ± 6504
×10³
pull
Entries 84
Mean −71.07
Std Dev 101.5

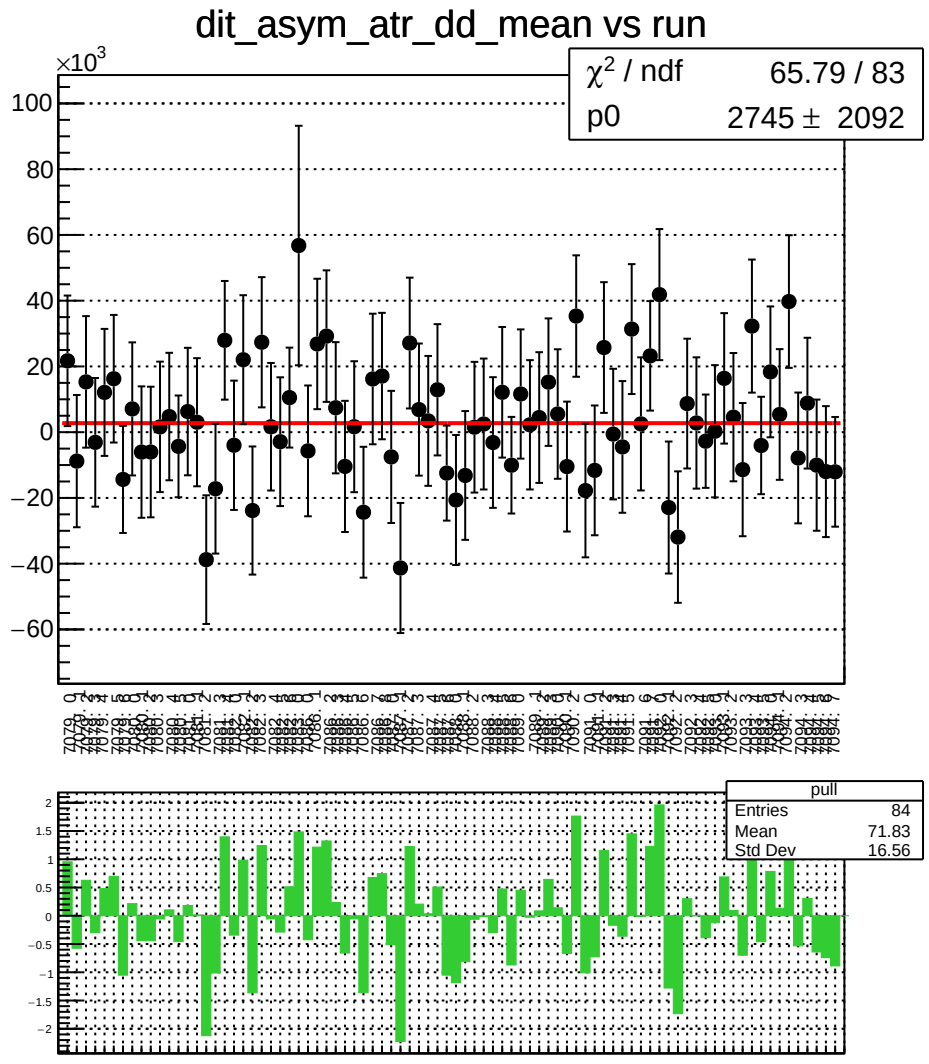

pull1D
Entries 84
Mean 0.01904
Std Dev 0.9932

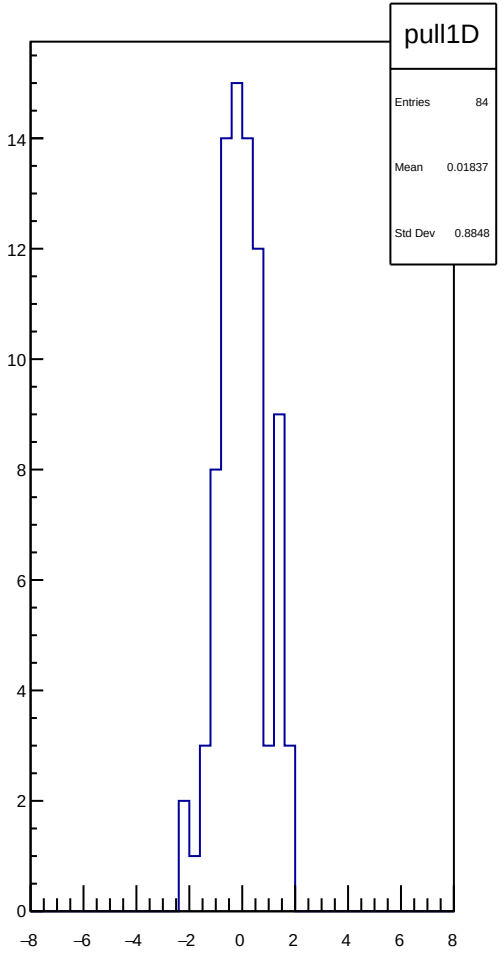

asym_atr_avg_correction_rms vs run
χ² / ndf 7840 / 83
p0 5832 ± 4.599
7000
6500
6000
5500
5000

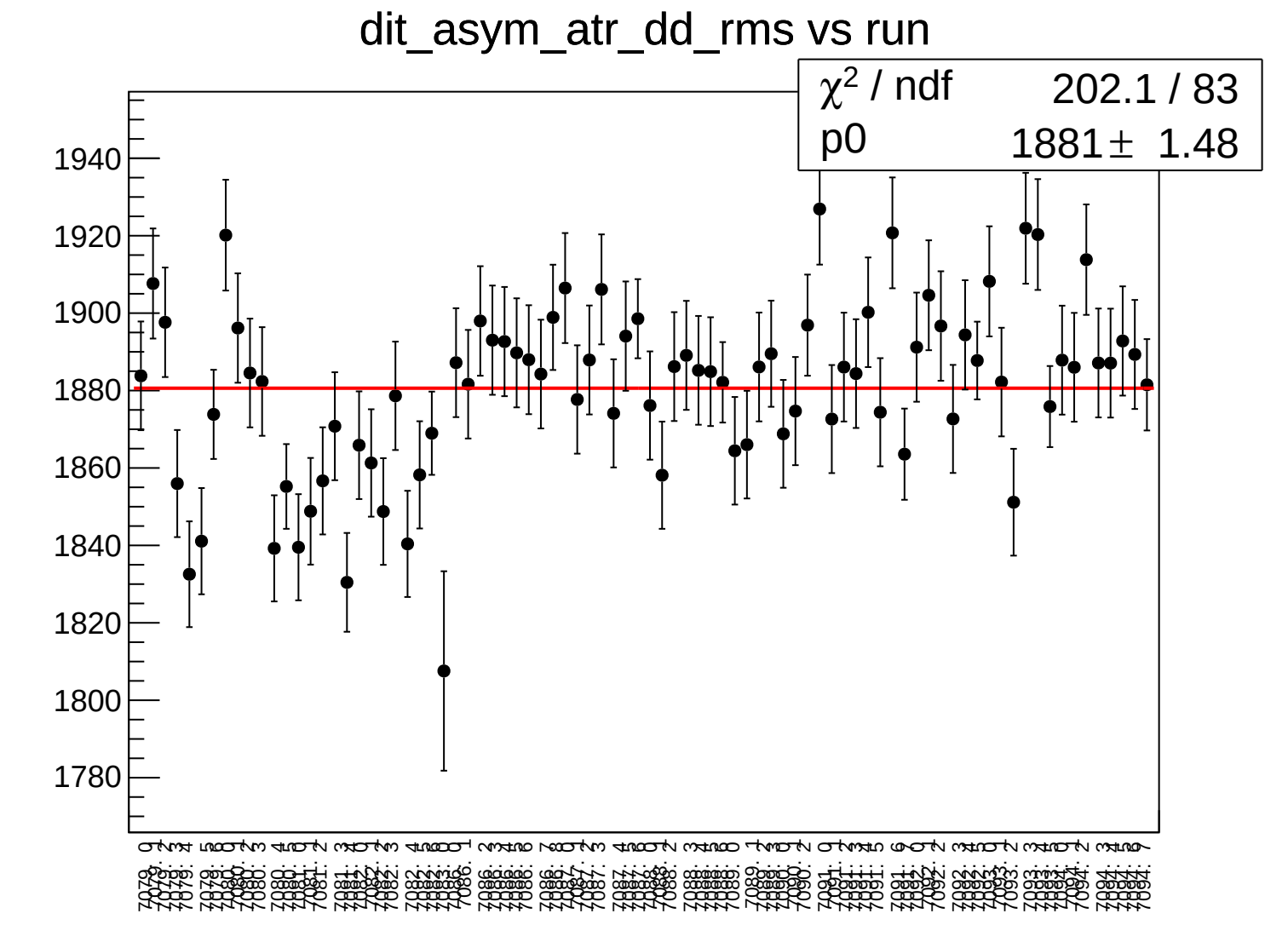

asym_atr_avg_mean vs run
×10^3
χ² / ndf 76.5 / 83
p0 2164 ± 6823
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean −83.12
Std Dev 112.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

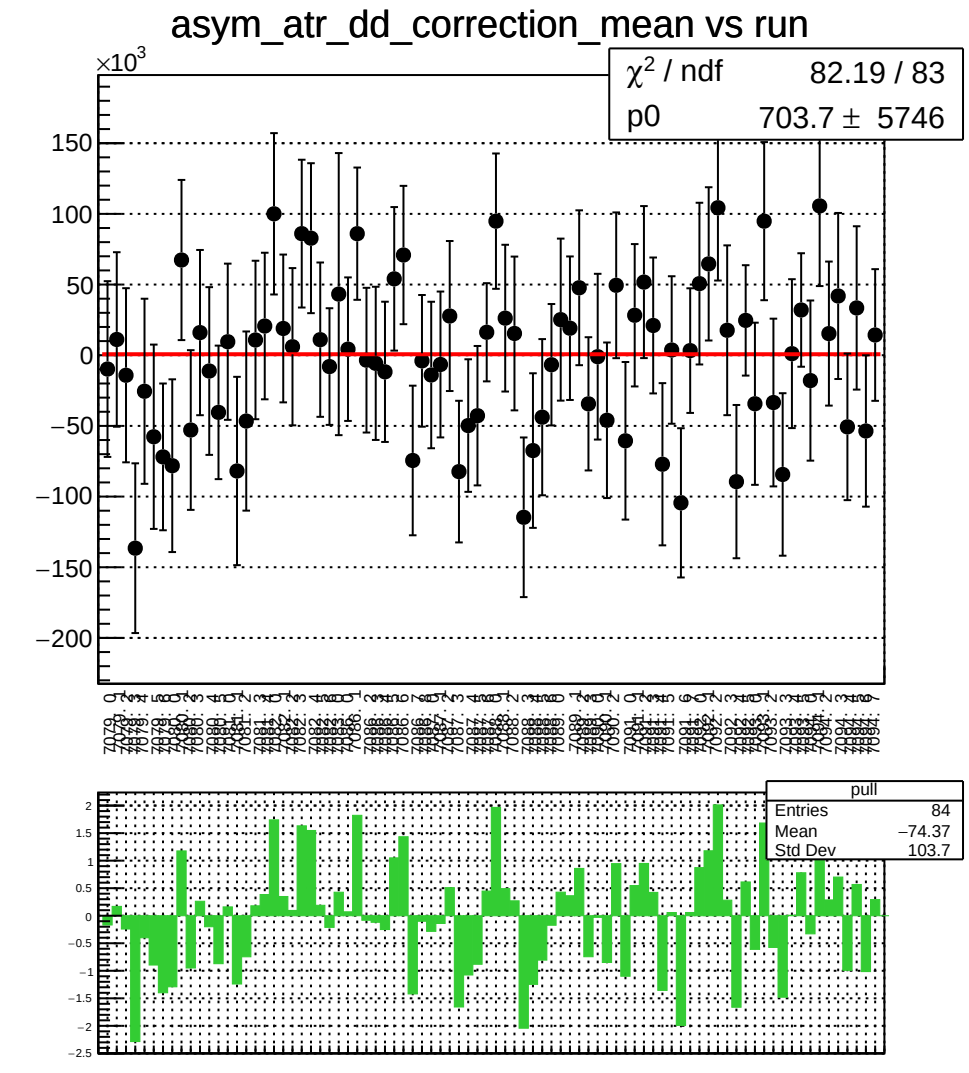

pull1D
Entries 84
Mean −0.0185
Std Dev 0.9542
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

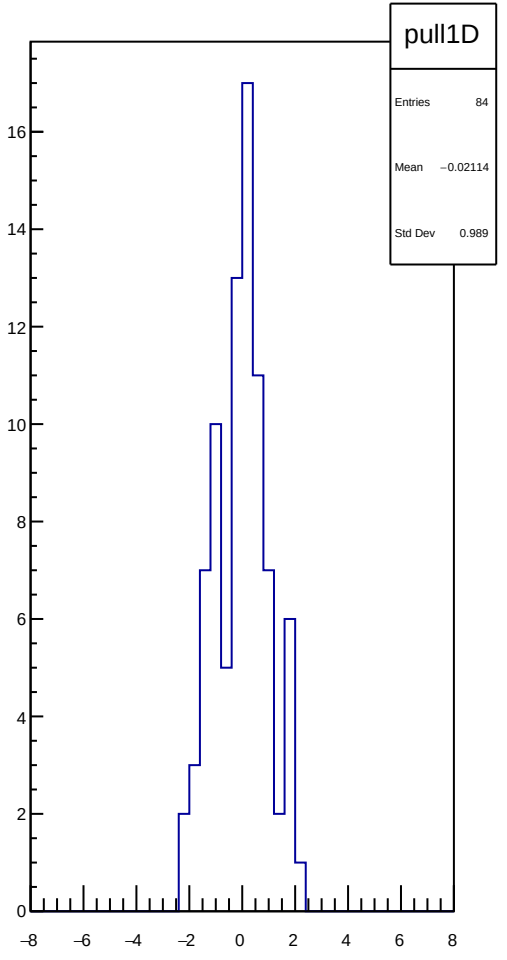

asym_atr_avg_rms vs run
χ² / ndf 6354 / 83
p0 6120 ± 4.825
7500
7000
6500
6000
5500

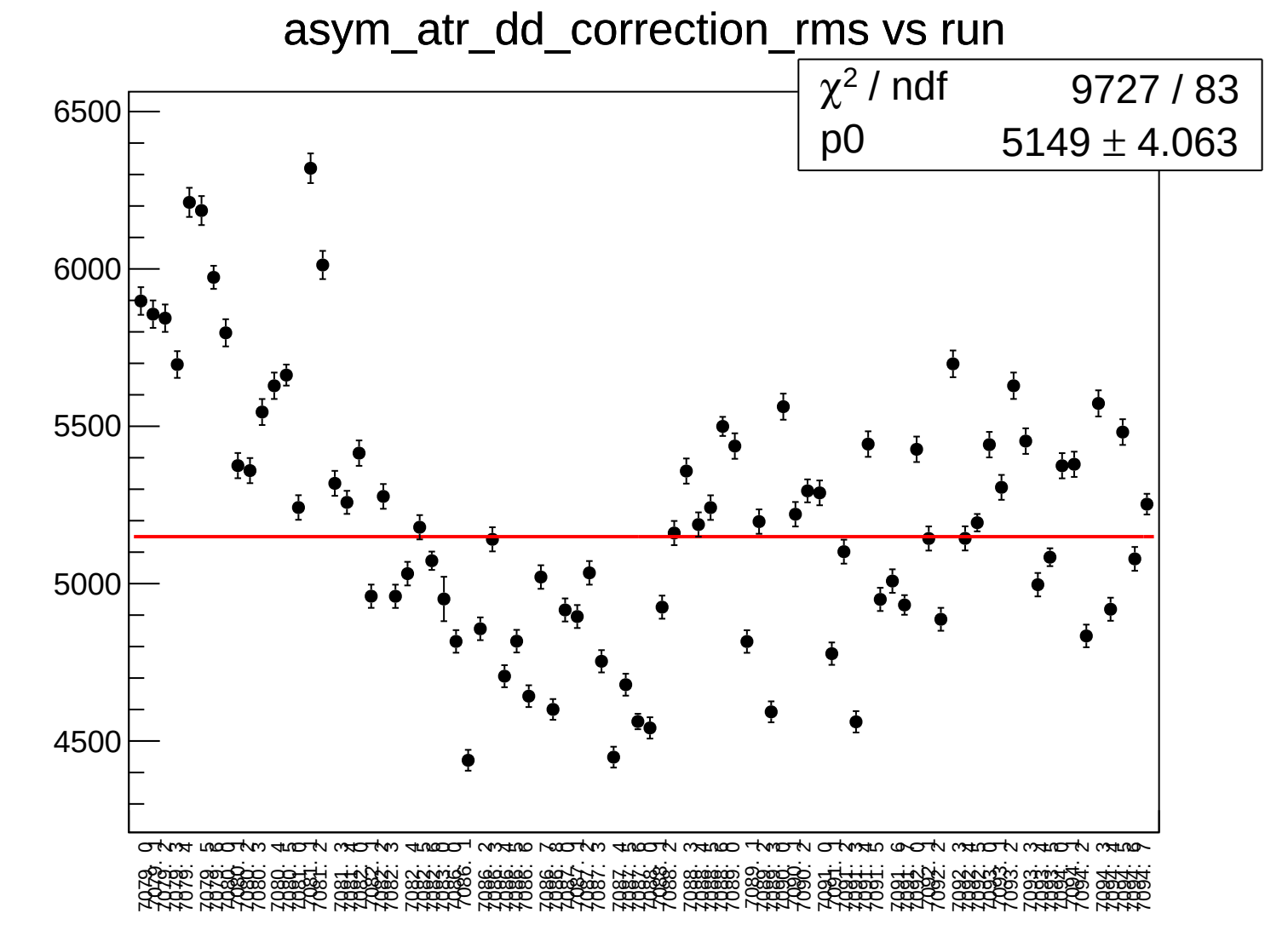

dit_asym_atr_dd_mean vs run
×10^3
χ² / ndf 65.79 / 83
p0 2745 ± 2092
pull
Entries 84
Mean 71.83
Std Dev 16.56

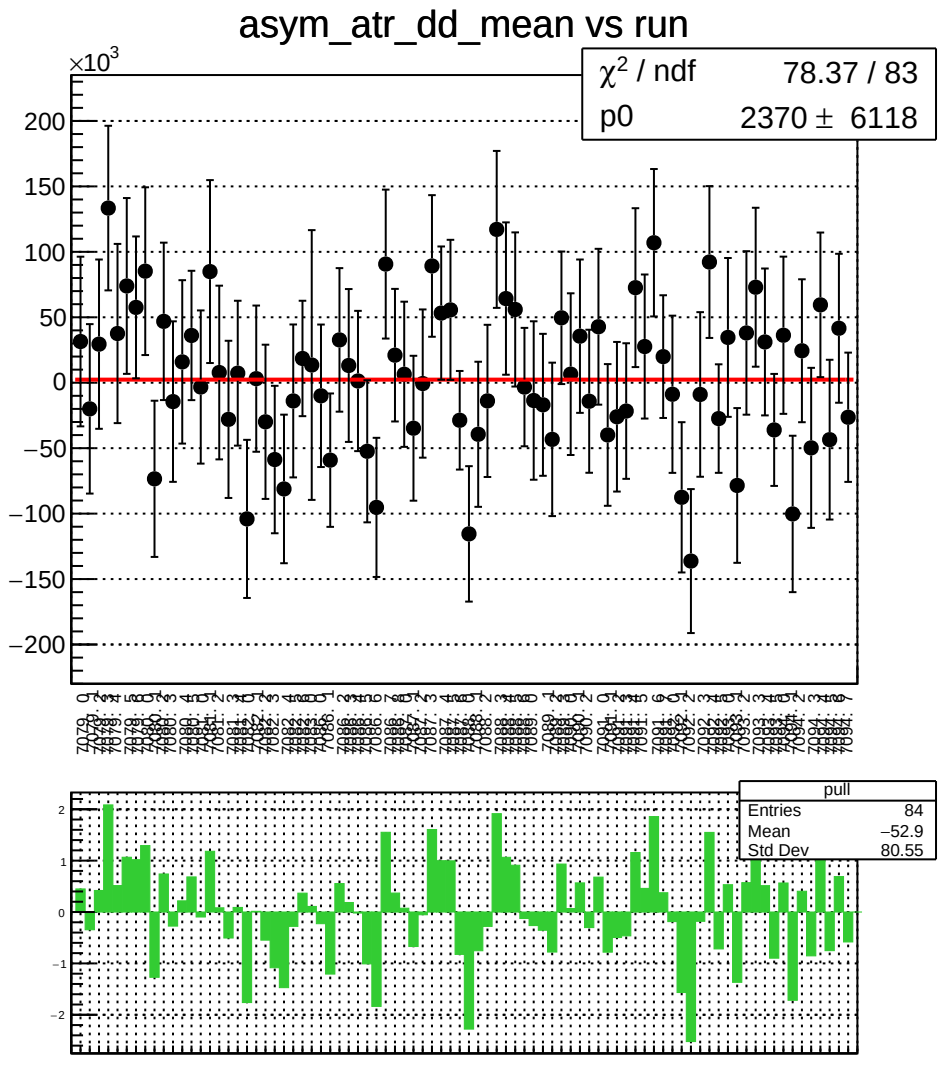

pull1D
Entries 84
Mean 0.01837
Std Dev 0.8848

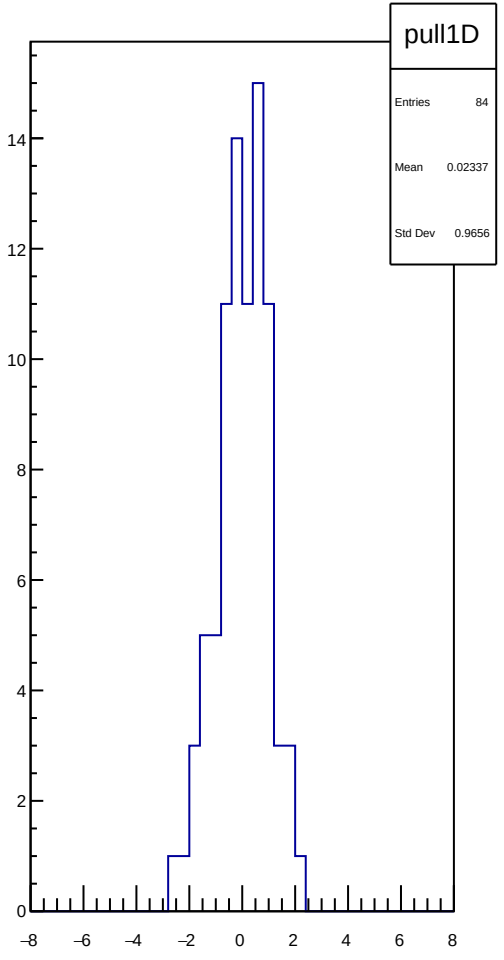

dit_asym_atr_dd_rms vs run
χ² / ndf 202.1 / 83
p0 1881 ± 1.48
1940
1920
1900
1880
1860
1840
1820
1800
1780

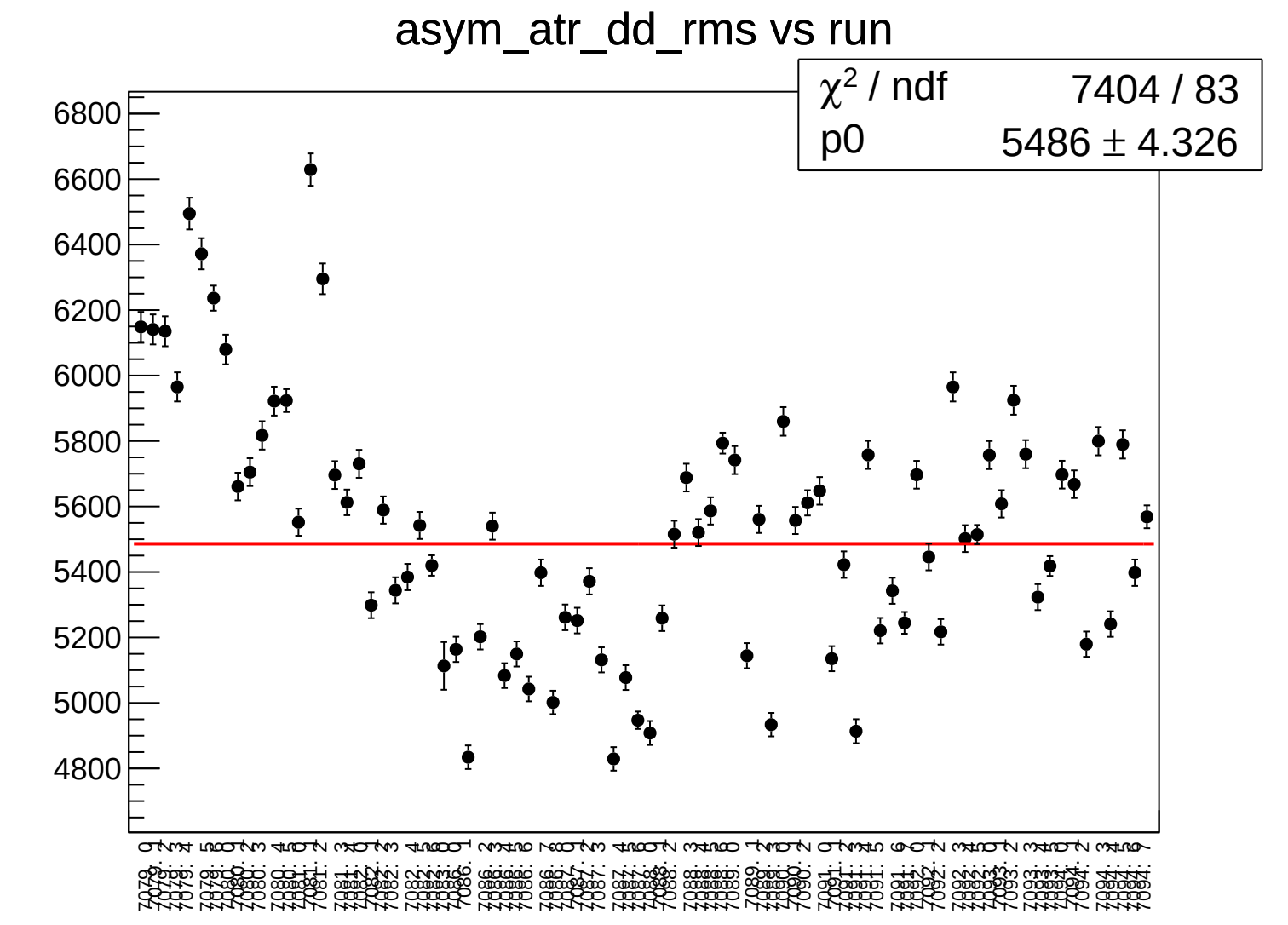

asym_atr_dd_correction_mean vs run
×10^3
χ^2 / ndf 82.19 / 83
p0 703.7 ± 5746
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean −74.37
Std Dev 103.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

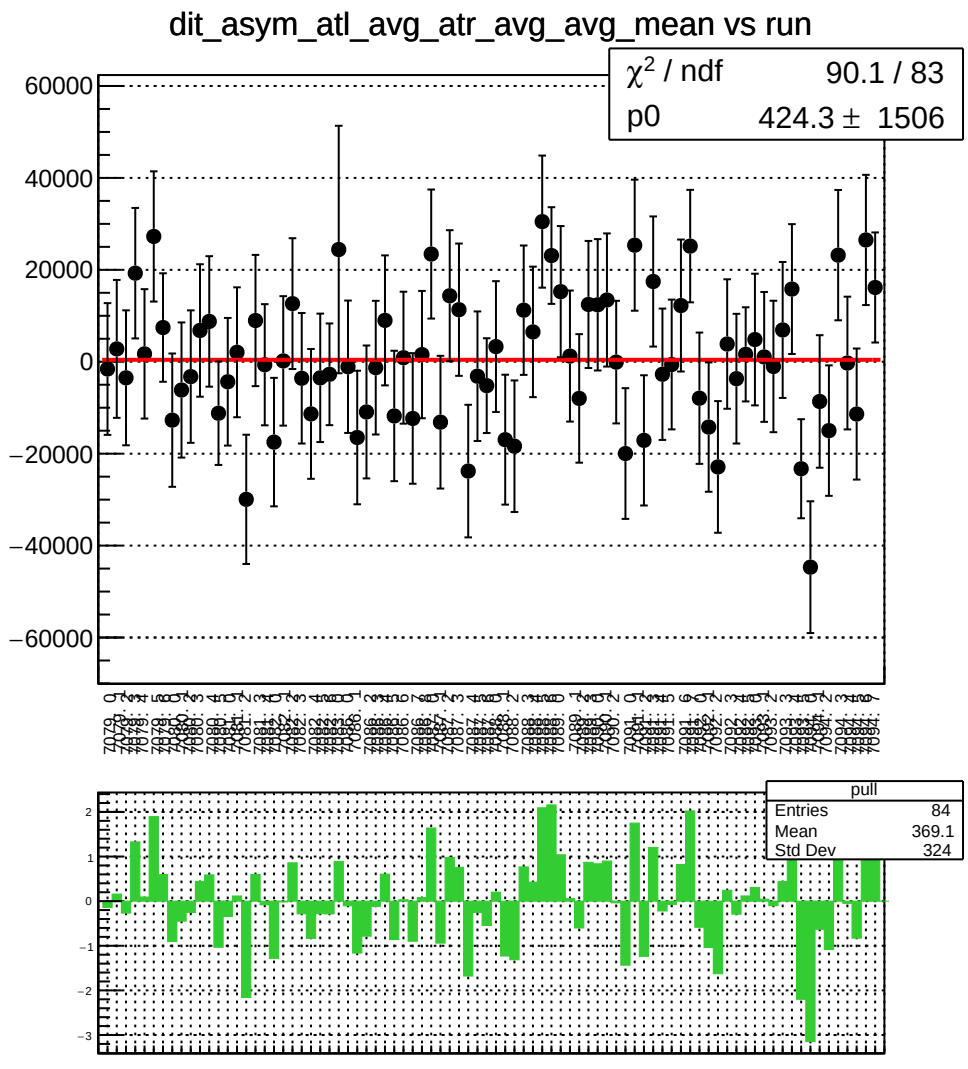

pull1D
Entries 84
Mean −0.02114
Std Dev 0.989
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

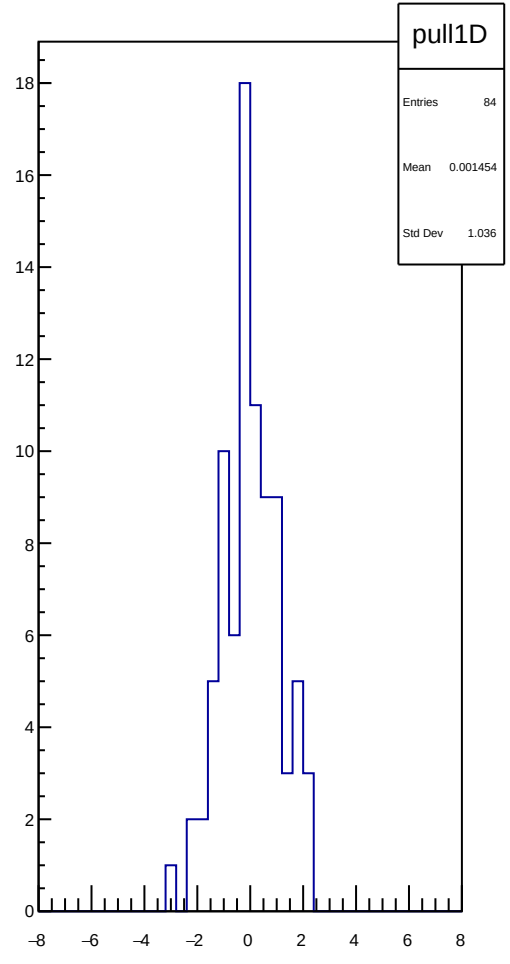

asym_atr_dd_correction_rms vs run
χ² / ndf 9727 / 83
p0 5149 ± 4.063
6500
6000
5500
5000
4500

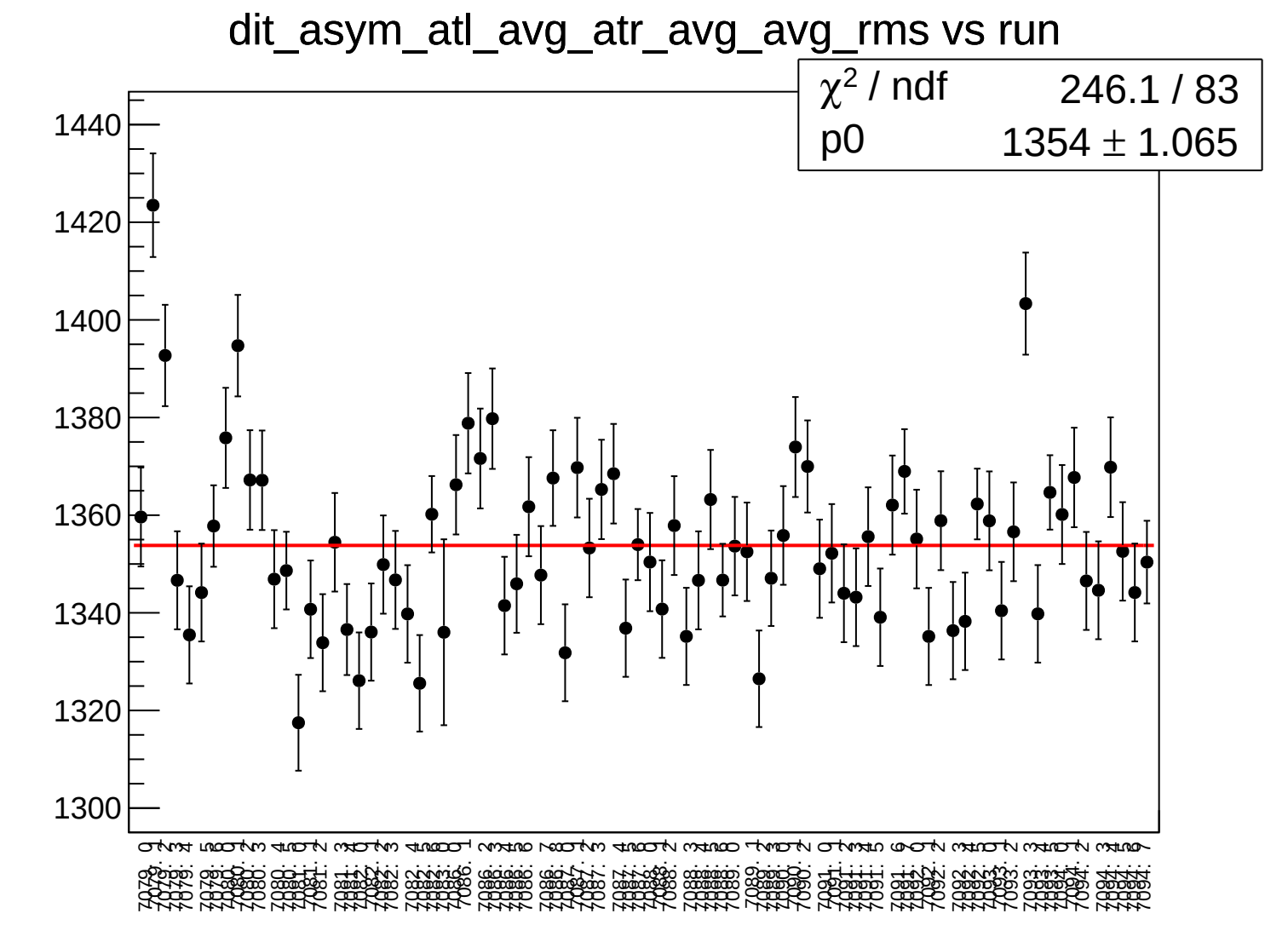

asym_atr_dd_mean vs run
×10^3
χ² / ndf 78.37 / 83
p0 2370 ± 6118
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean −52.9
Std Dev 80.55
2
1
0
−1
−2

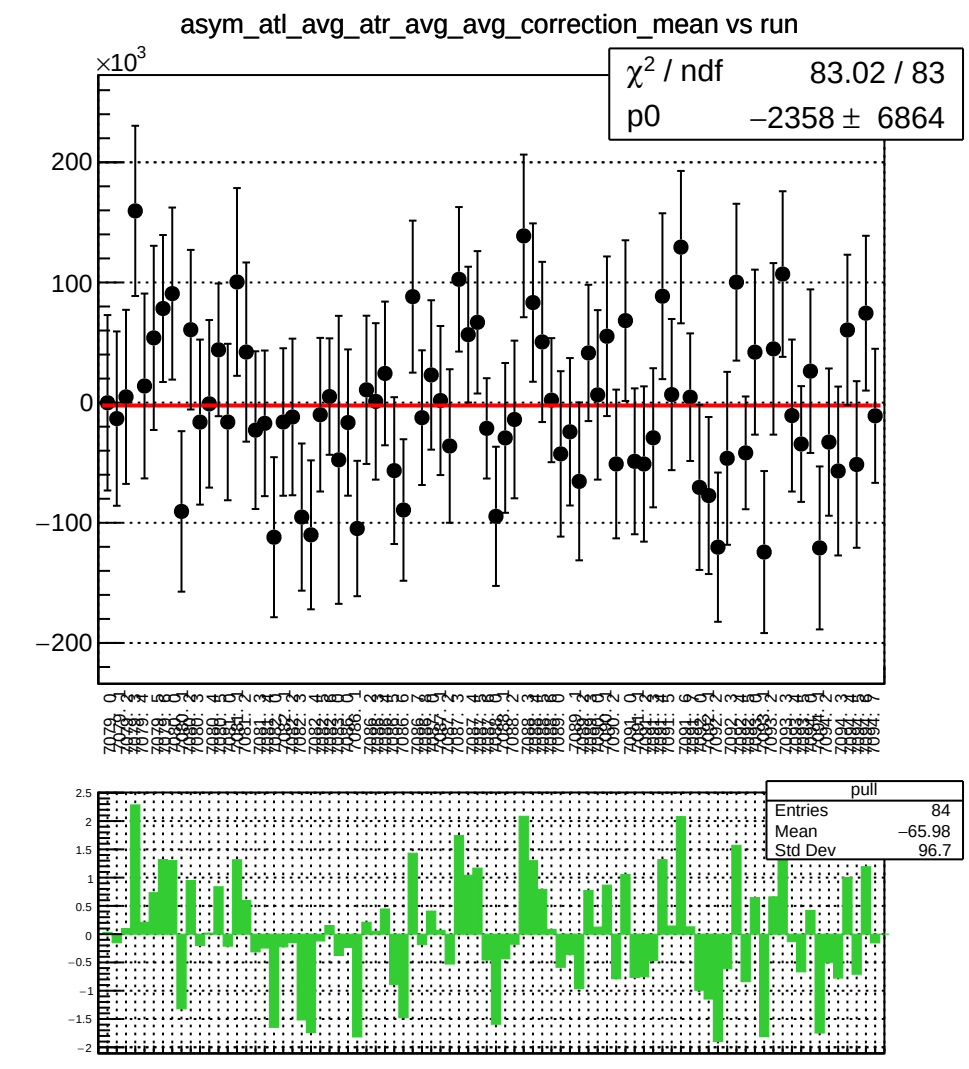

pull1D
Entries 84
Mean 0.02337
Std Dev 0.9656
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

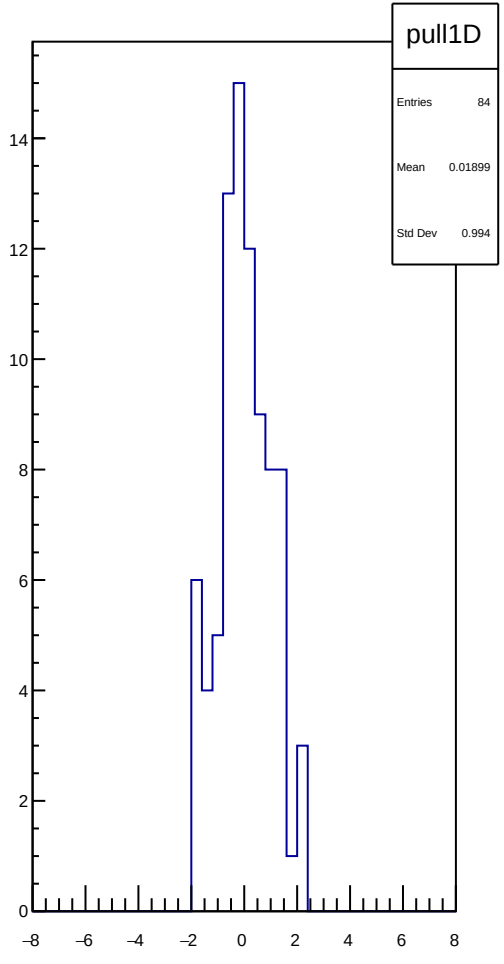

asym_atr_dd_rms vs run
χ² / ndf 7404 / 83
p0 5486 ± 4.326
6800
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800

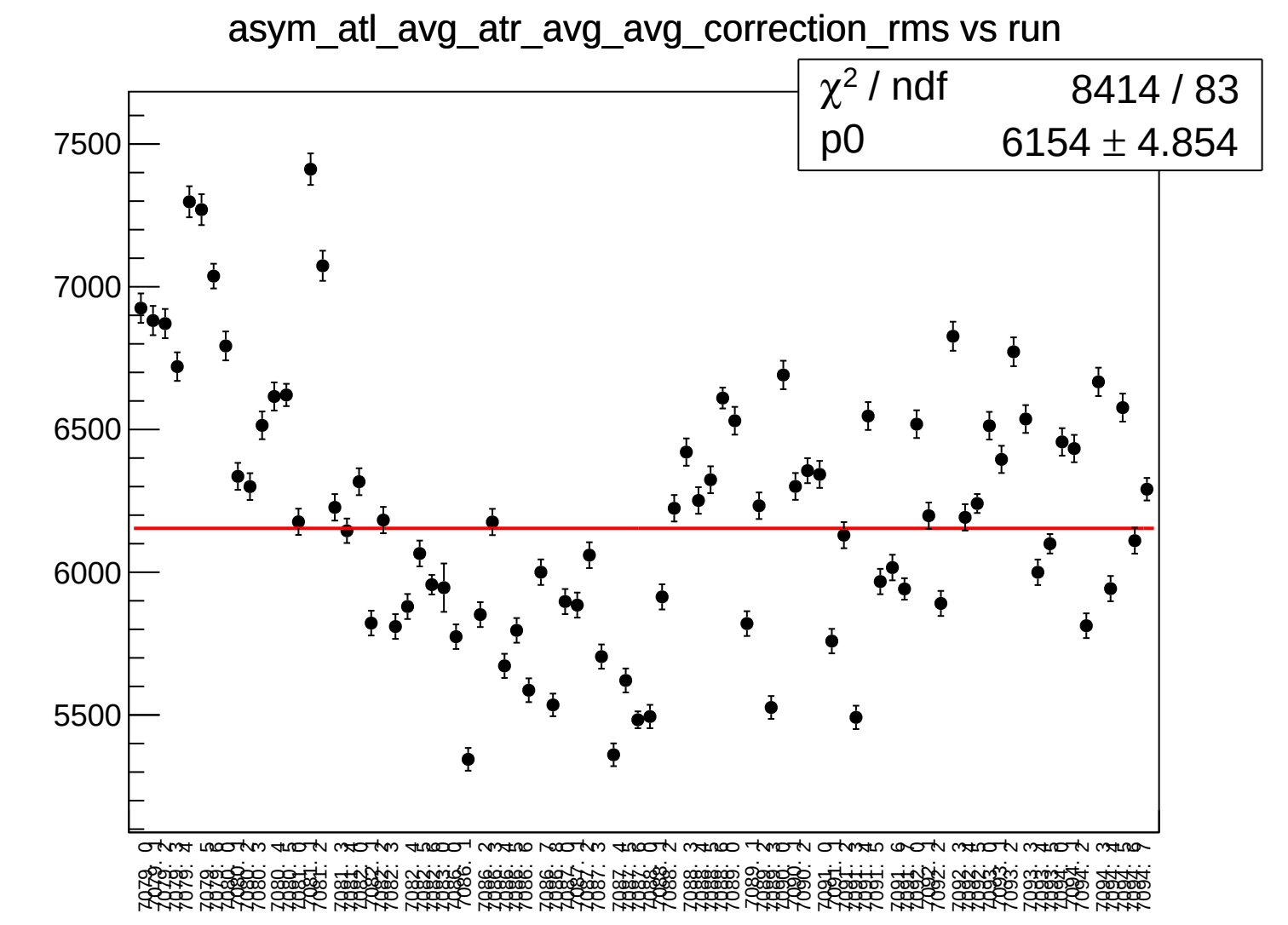

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 90.1 / 83
p0 424.3 ± 1506
pull
Entries 84
Mean 369.1
Std Dev 324

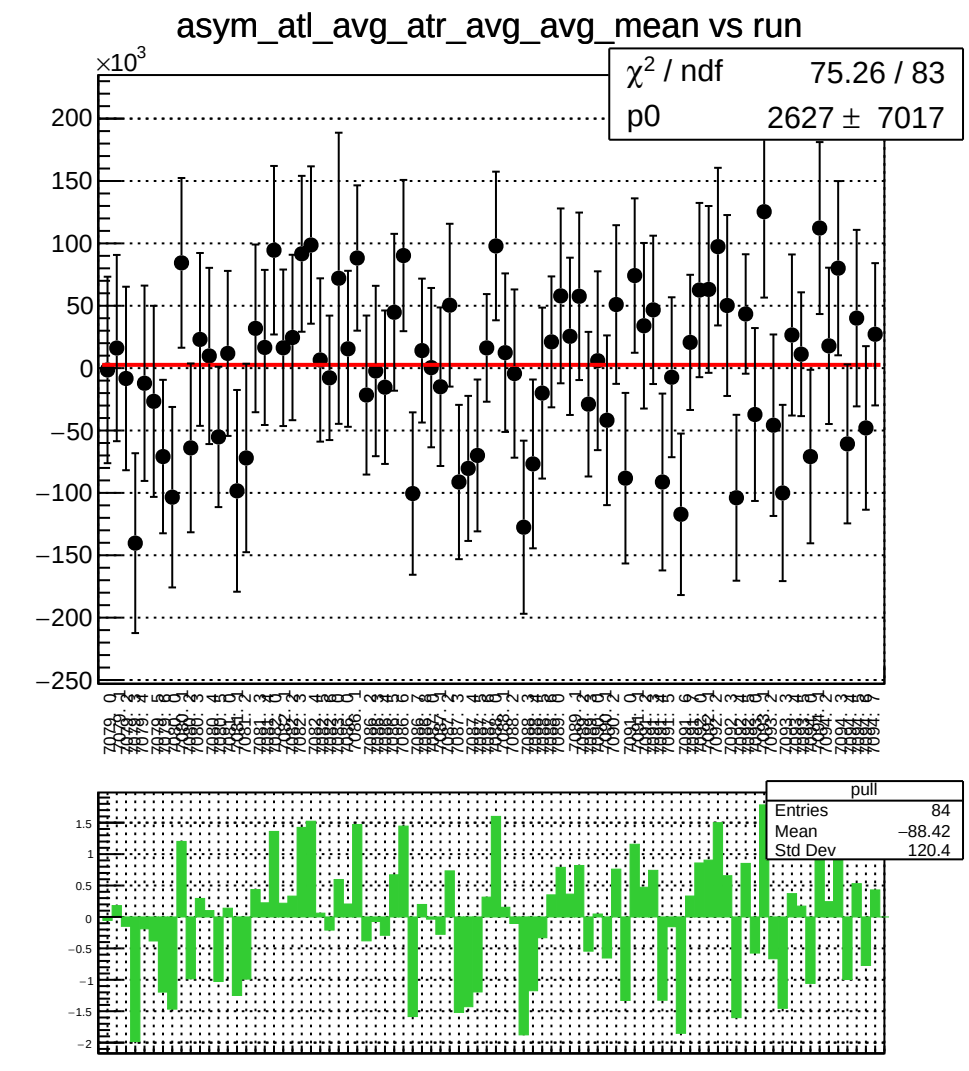

pull1D
Entries 84
Mean 0.001454
Std Dev 1.036

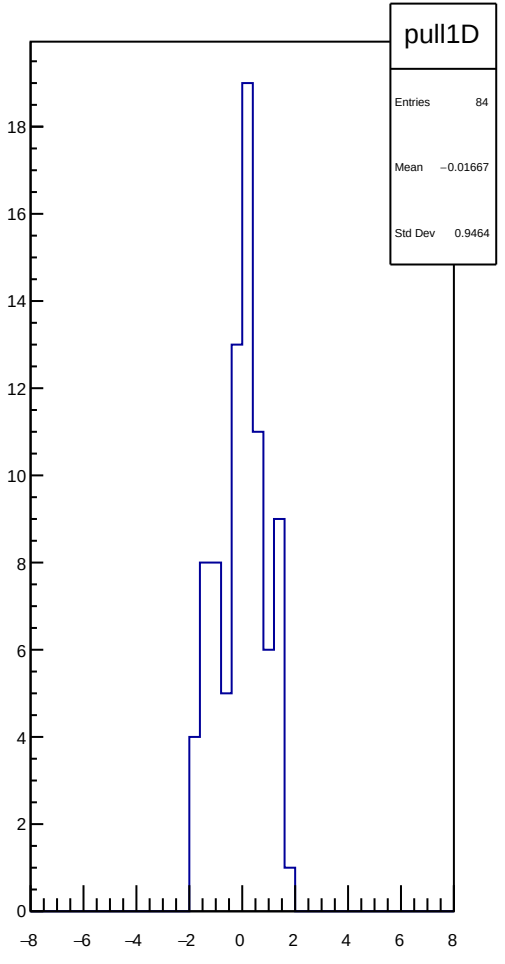

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 246.1 / 83
p0 1354 ± 1.065
1440
1420
1400
1380
1360
1340
1320
1300

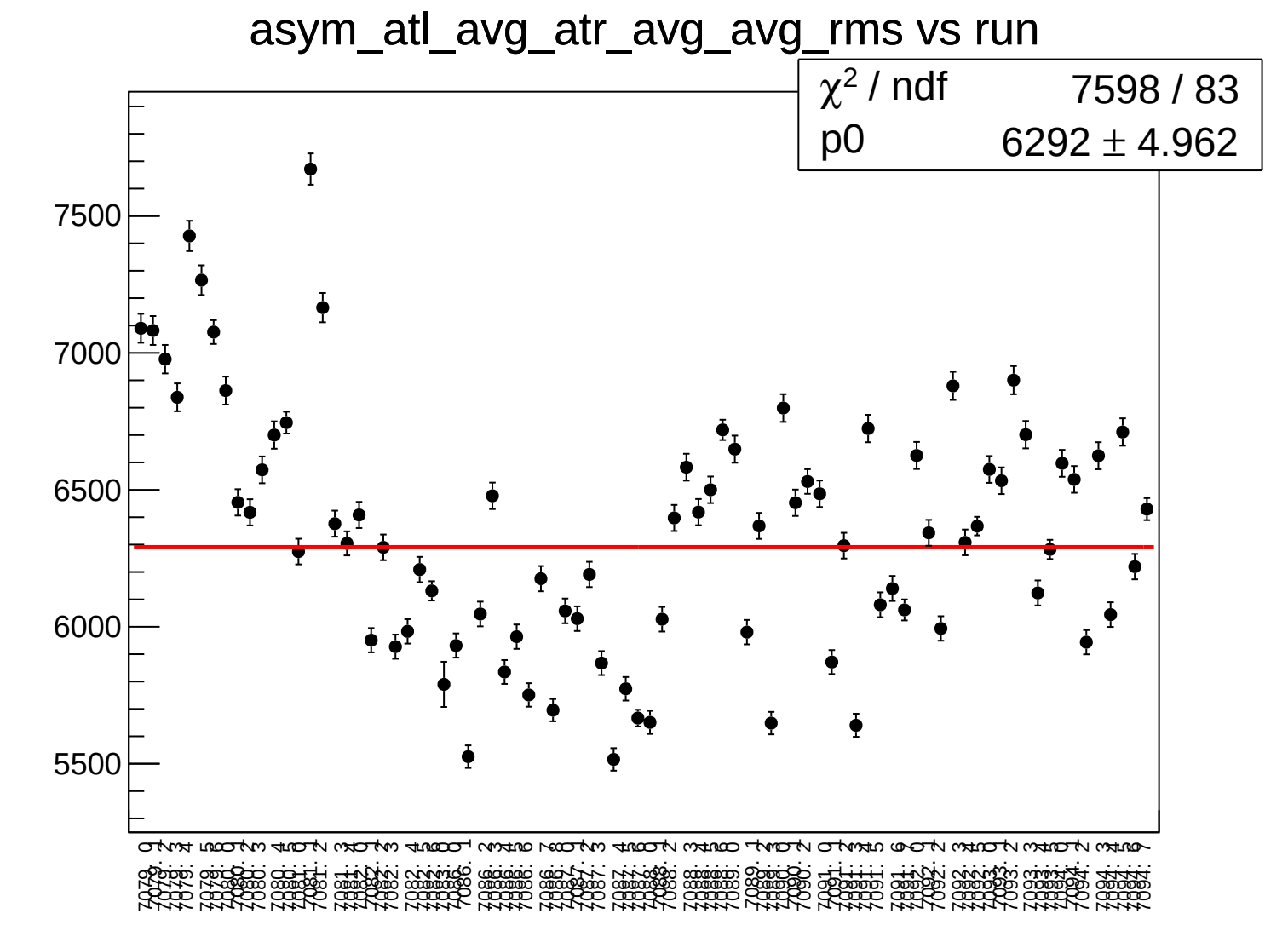

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 83.02 / 83
p0 −2358 ± 6864
200
100
0
−100
−200
pull
Entries 84
Mean −65.98
Std Dev 96.7
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

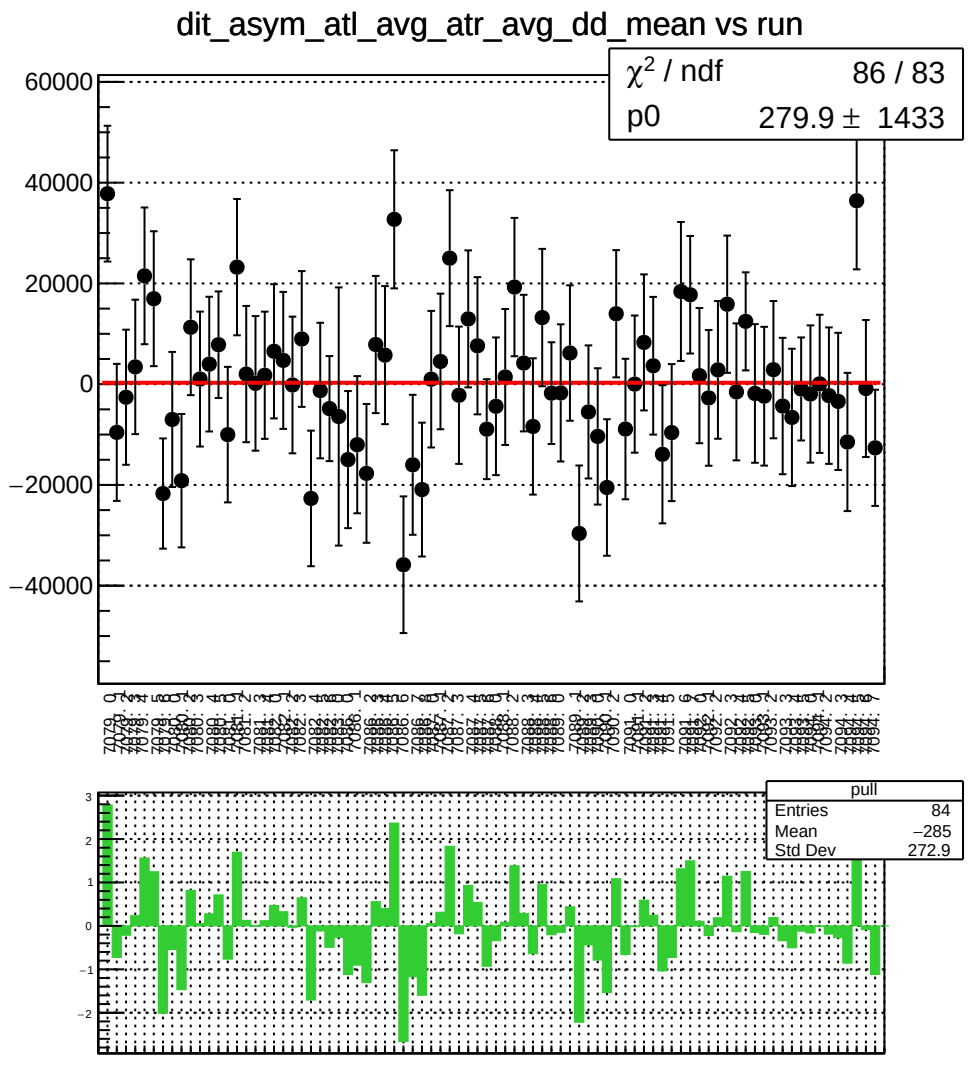

pull1D
Entries 84
Mean 0.01899
Std Dev 0.994
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

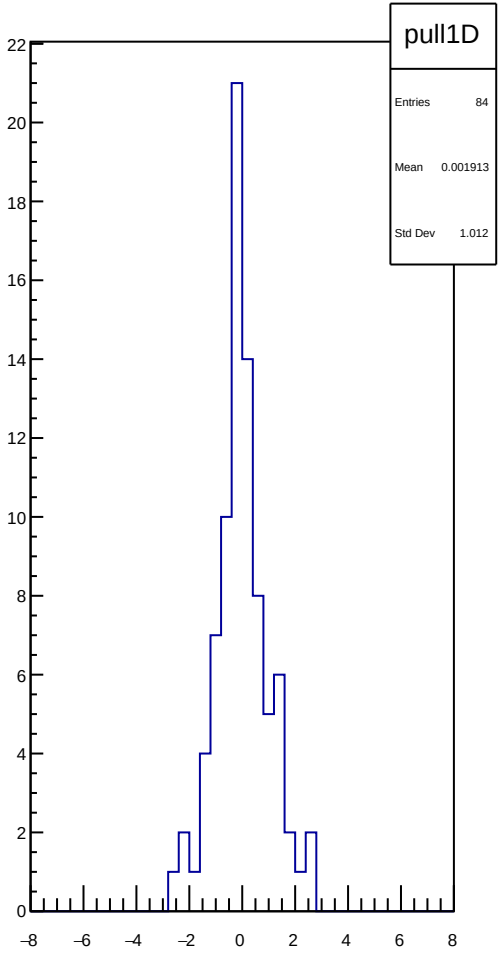

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 8414 / 83
p0 6154 ± 4.854
7500
7000
6500
6000
5500

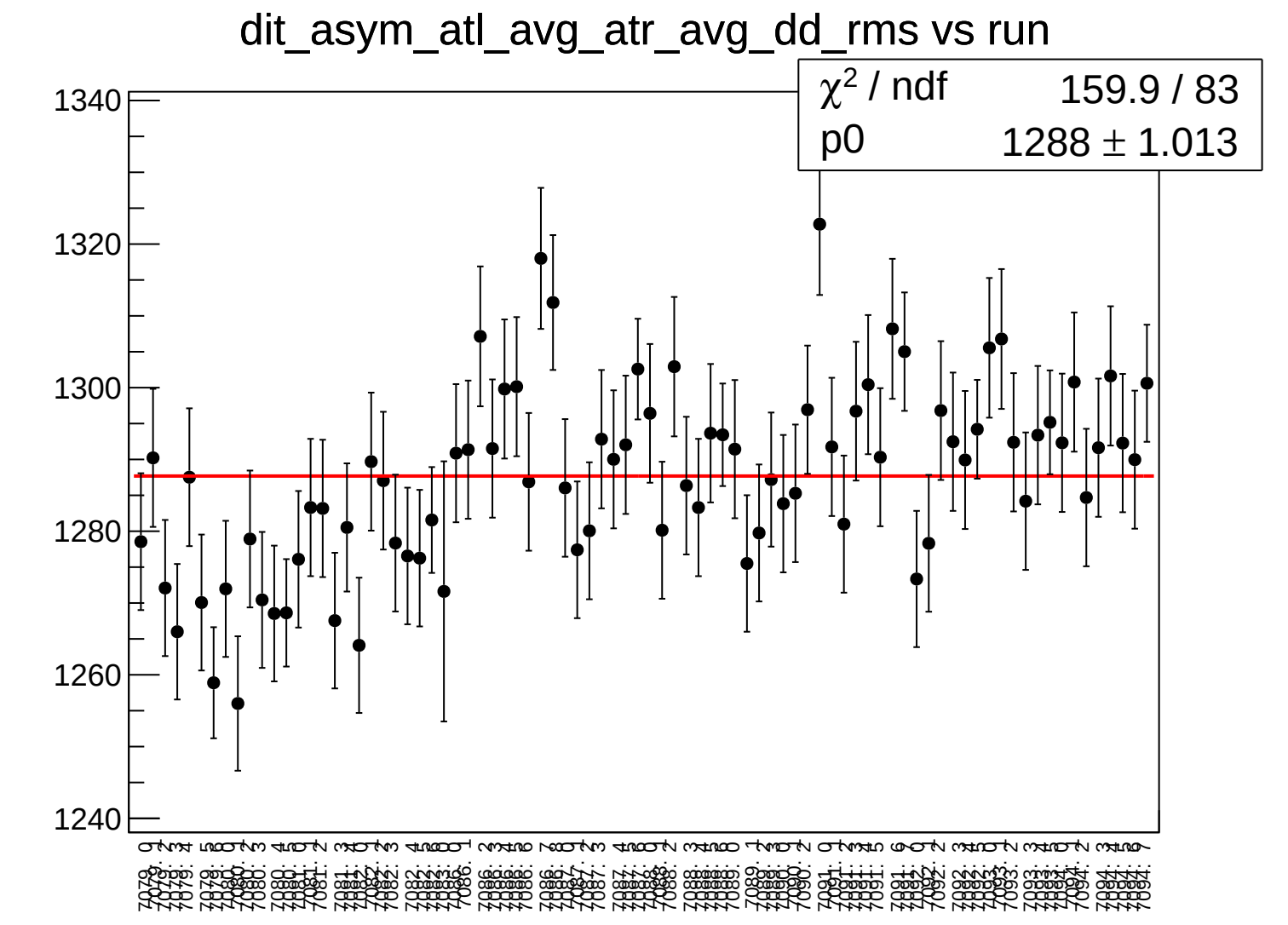

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ^2 / ndf 75.26 / 83
p0 2627 ± 7017
pull
Entries 84
Mean −88.42
Std Dev 120.4

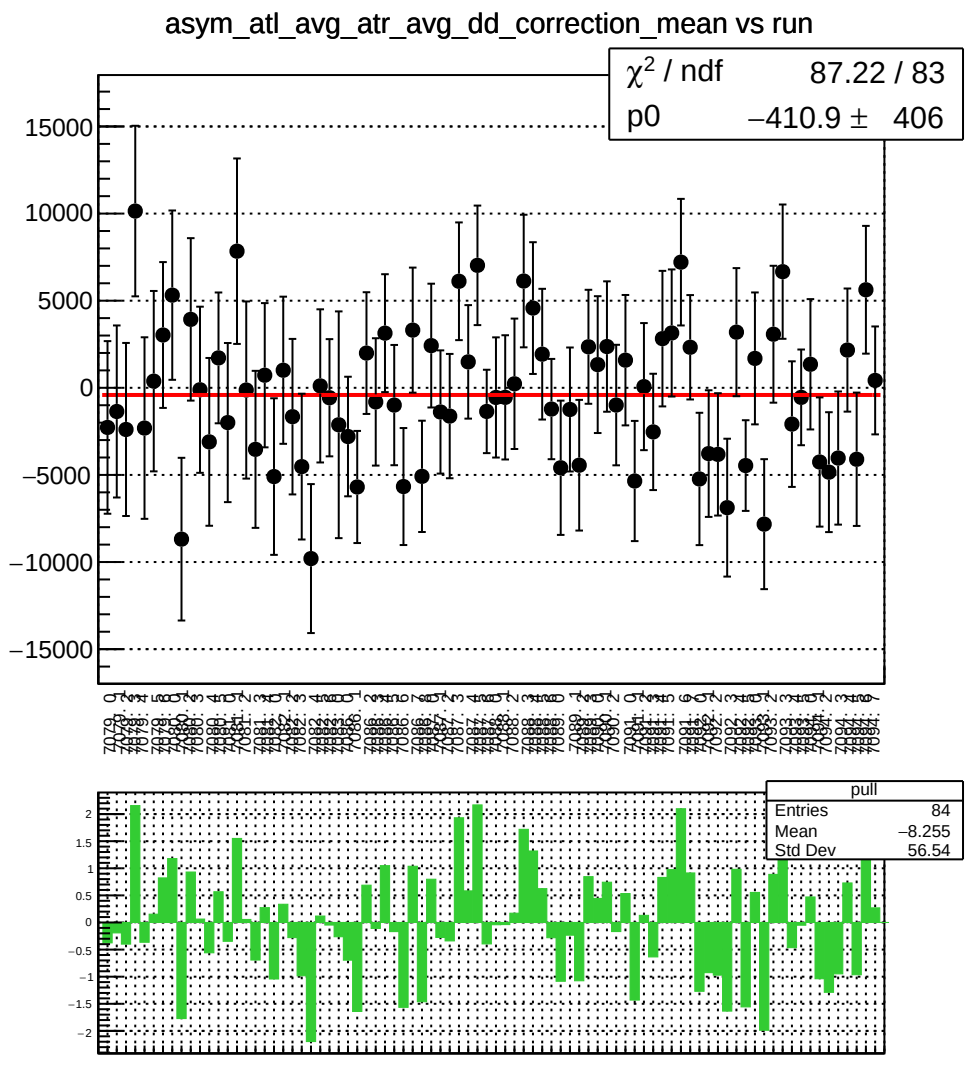

pull1D
Entries 84
Mean −0.01667
Std Dev 0.9464

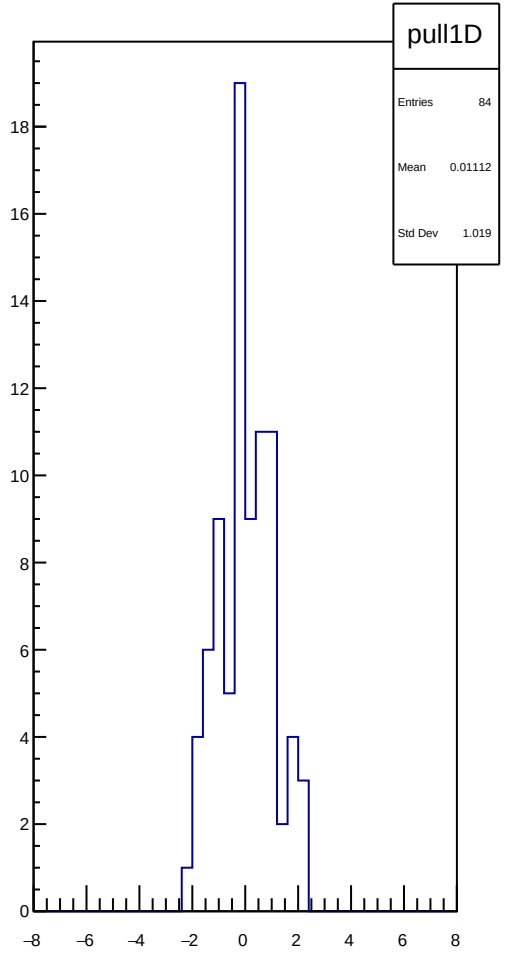

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 7598 / 83
p0 6292 ± 4.962
7500
7000
6500
6000
5500

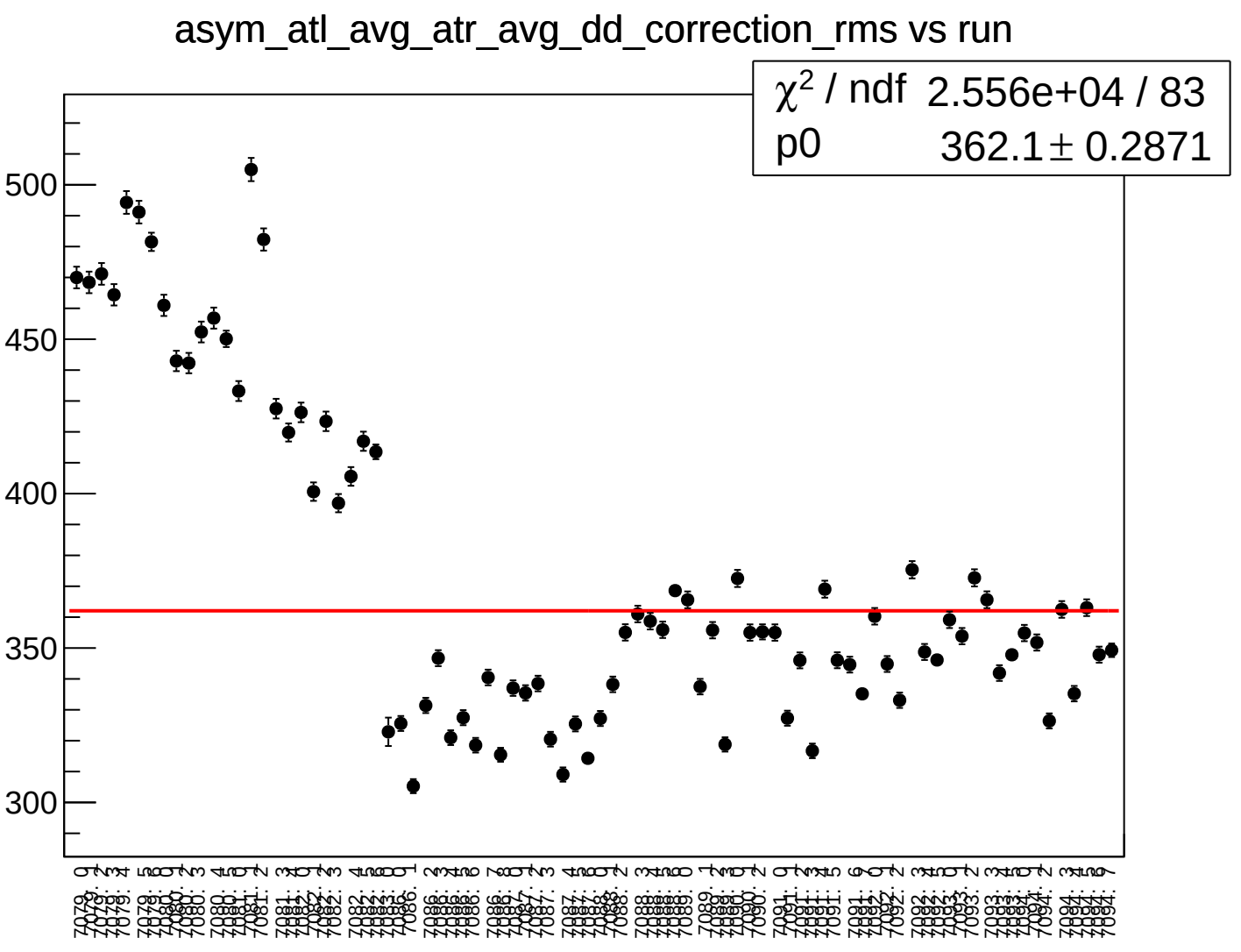

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 86 / 83
p0 279.9 ± 1433
pull
Entries 84
Mean −285
Std Dev 272.9

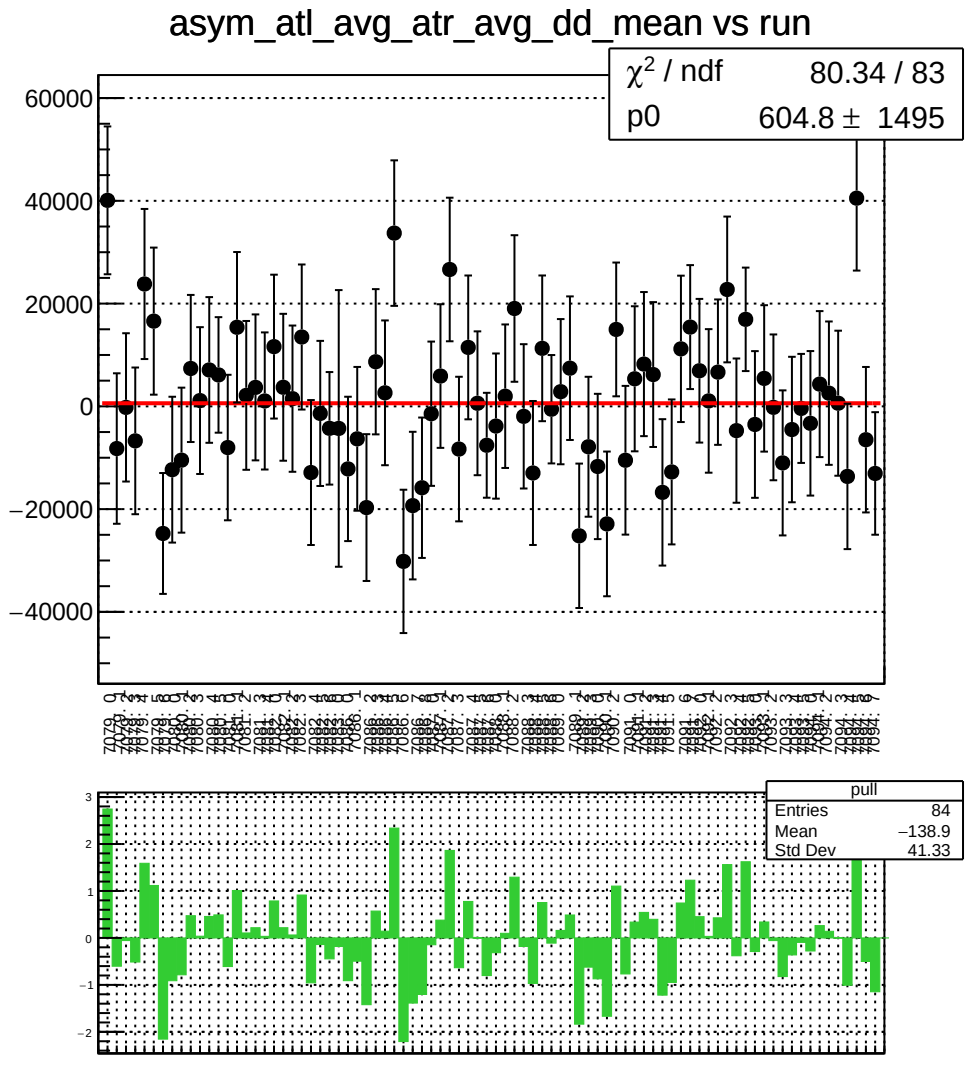

pull1D
Entries 84
Mean 0.001913
Std Dev 1.012

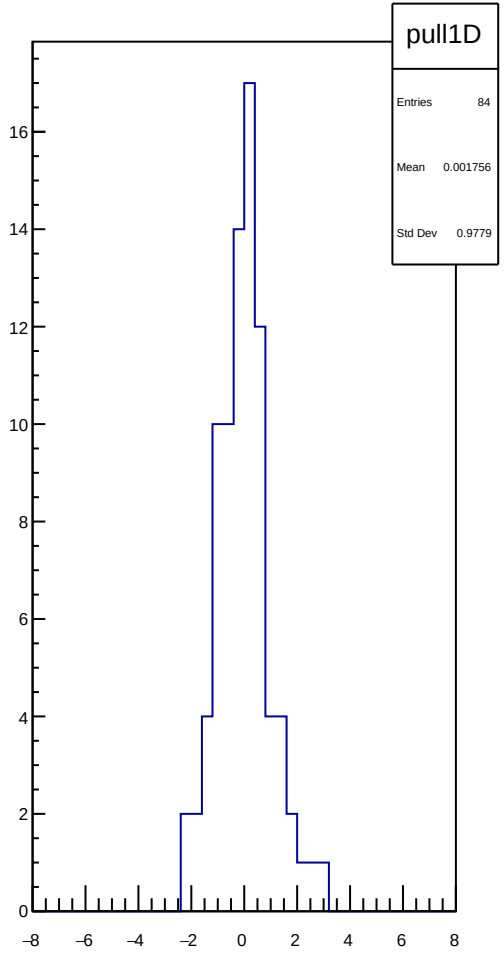

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 159.9 / 83
p0 1288 ± 1.013
1340
1320
1300
1280
1260
1240

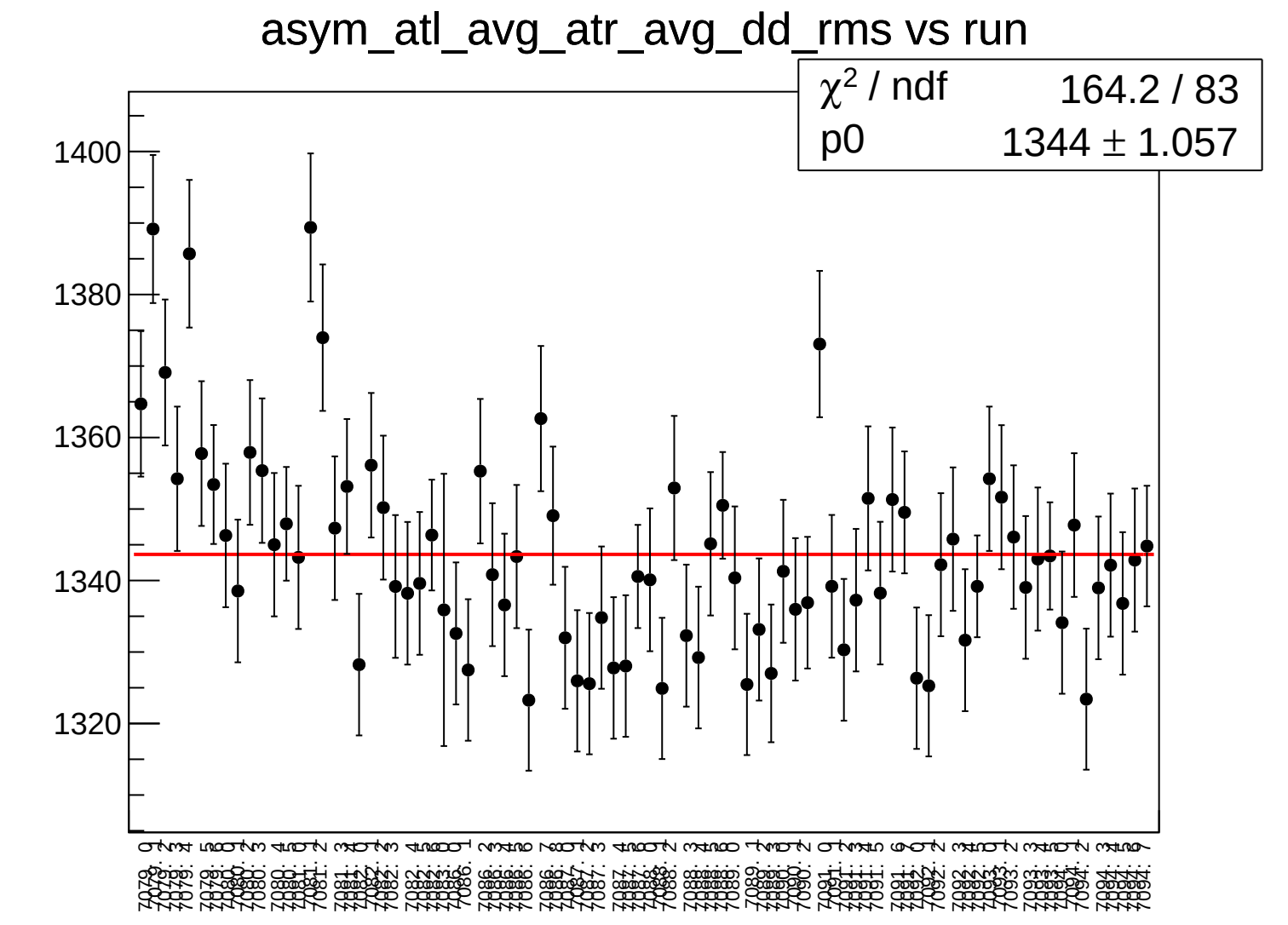

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 87.22 / 83
p0 −410.9 ± 406
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −8.255
Std Dev 56.54
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

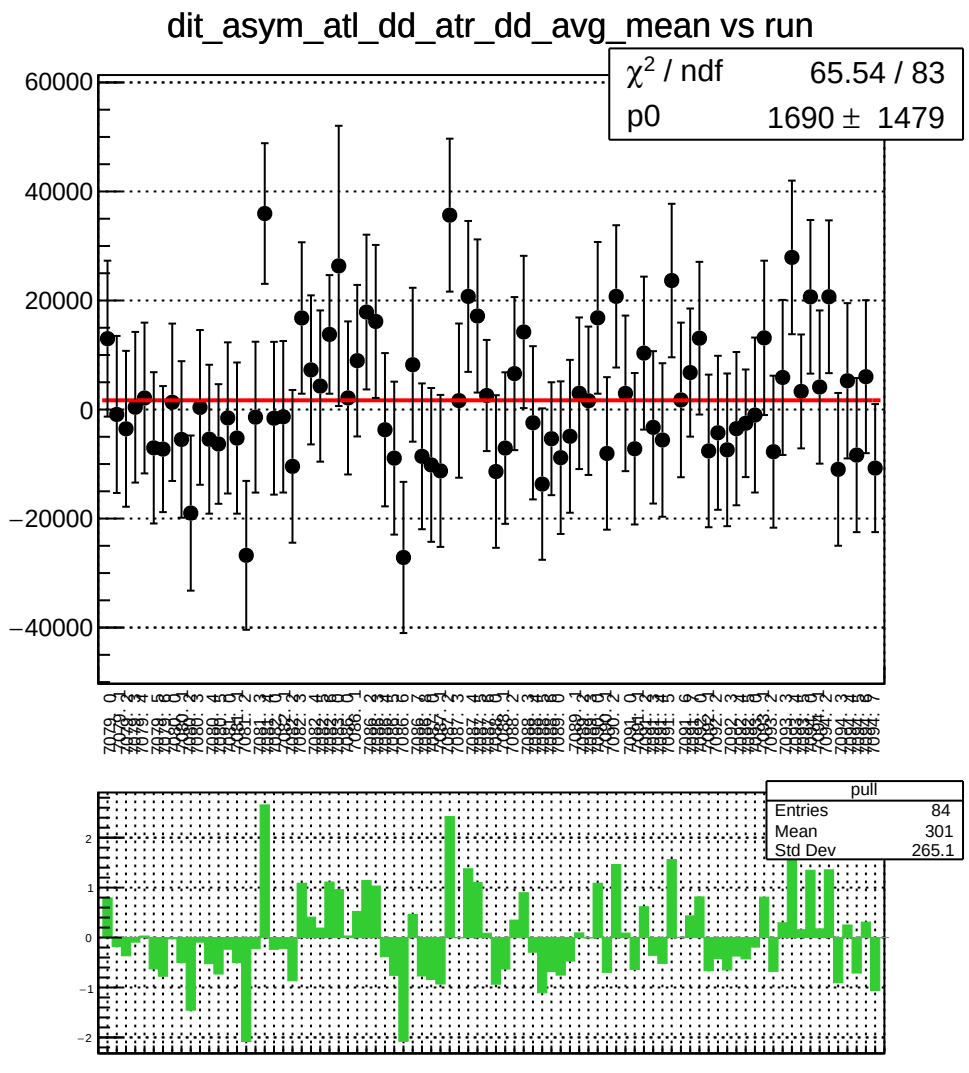

pull1D
Entries 84
Mean 0.01112
Std Dev 1.019
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

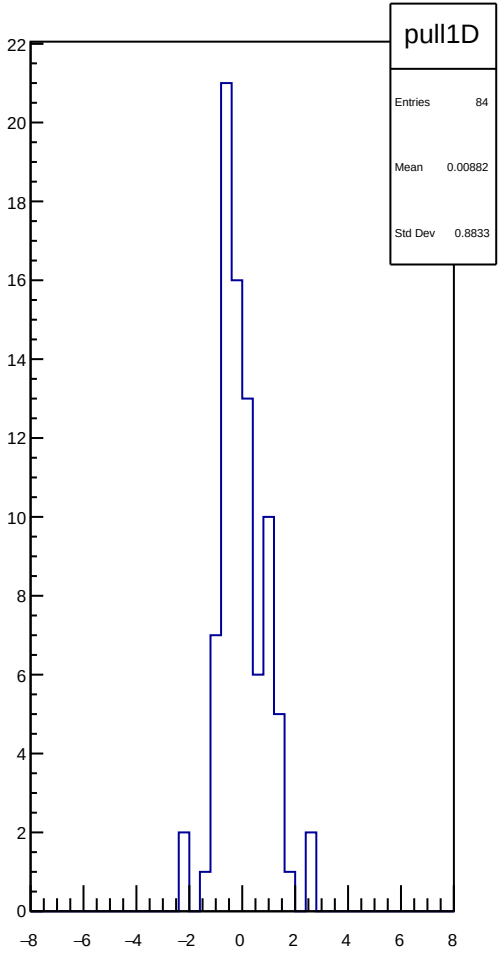

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2.556e+04 / 83
p0 362.1 ± 0.2871
500
450
400
350
300

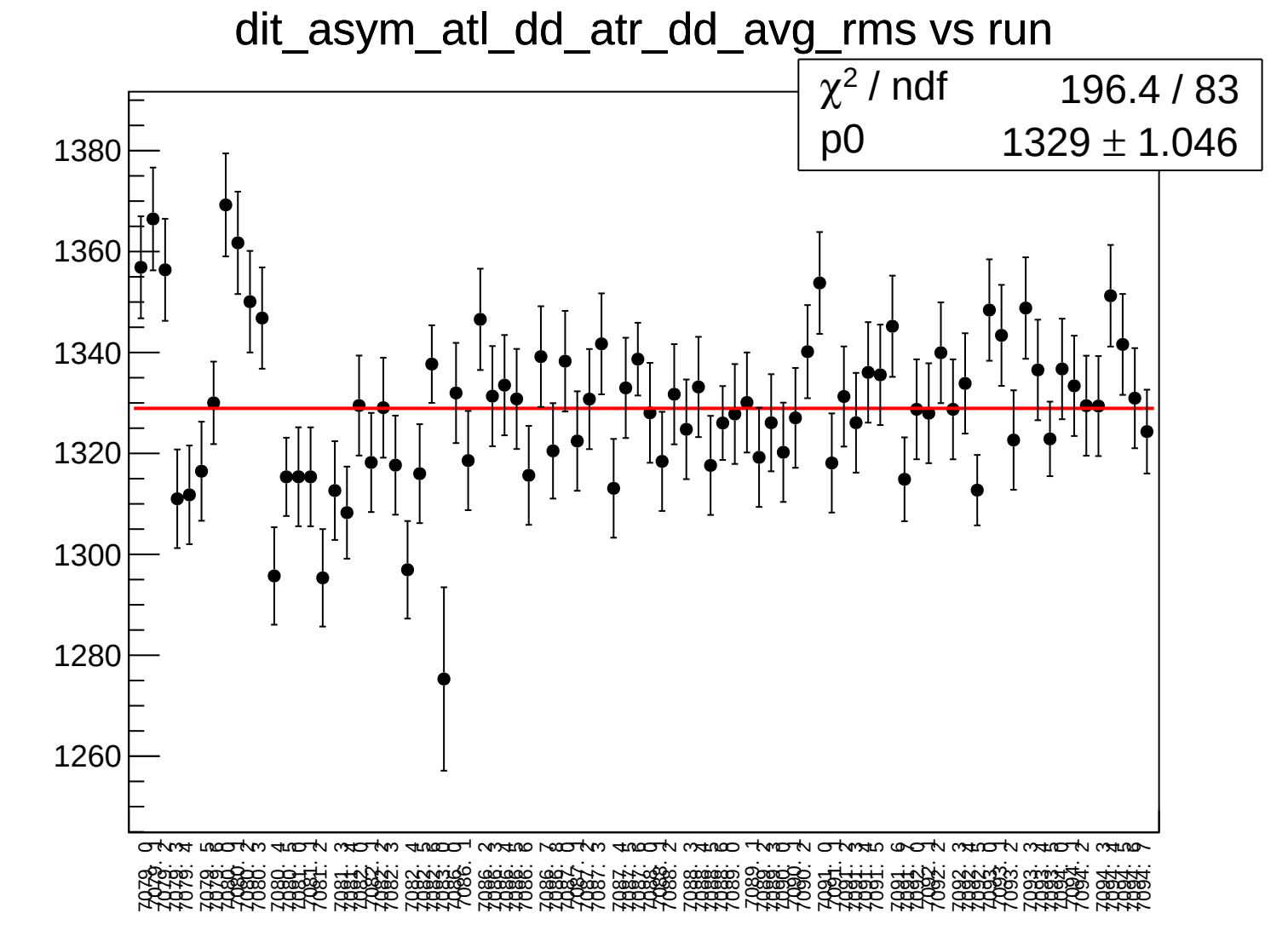

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 80.34 / 83
p0 604.8 ± 1495
60000
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −138.9
Std Dev 41.33
3
2
1
0
−1
−2

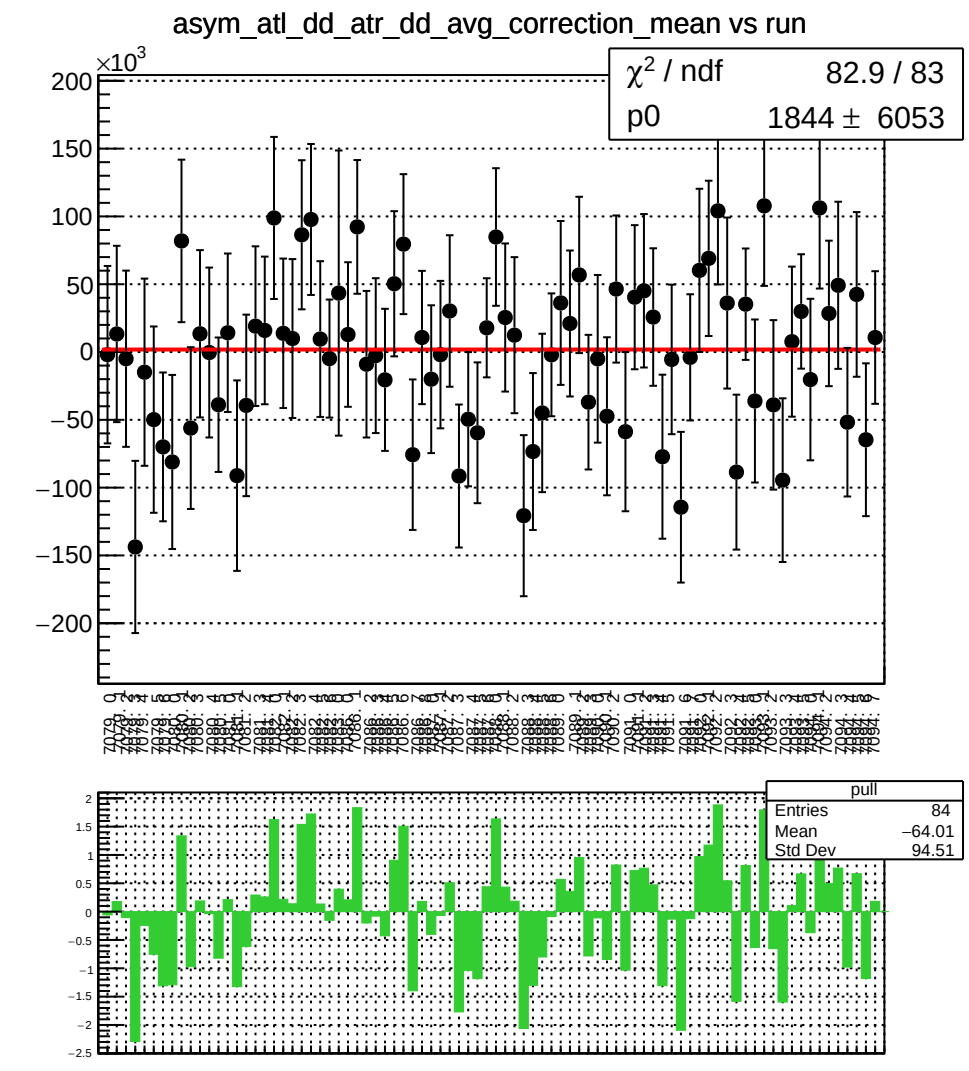

pull1D
Entries 84
Mean 0.001756
Std Dev 0.9779
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

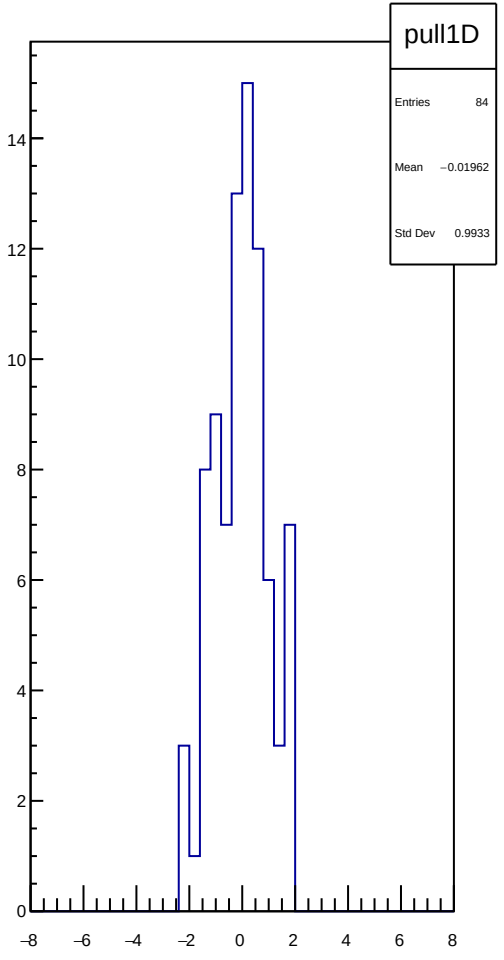

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 164.2 / 83
p0 1344 ± 1.057
1400
1380
1360
1340
1320

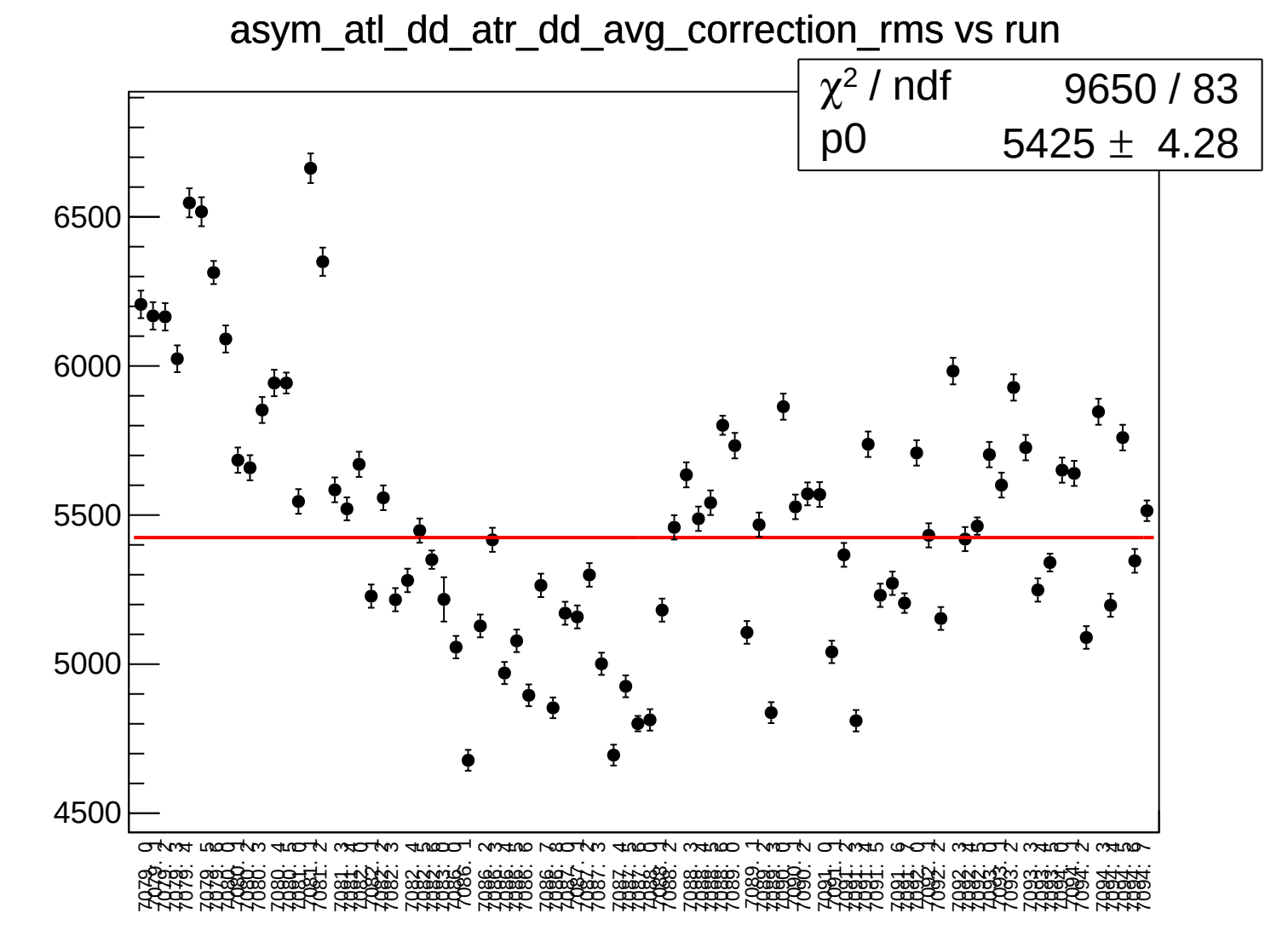

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 65.54 / 83
p0 1690 ± 1479
pull
Entries 84
Mean 301
Std Dev 265.1

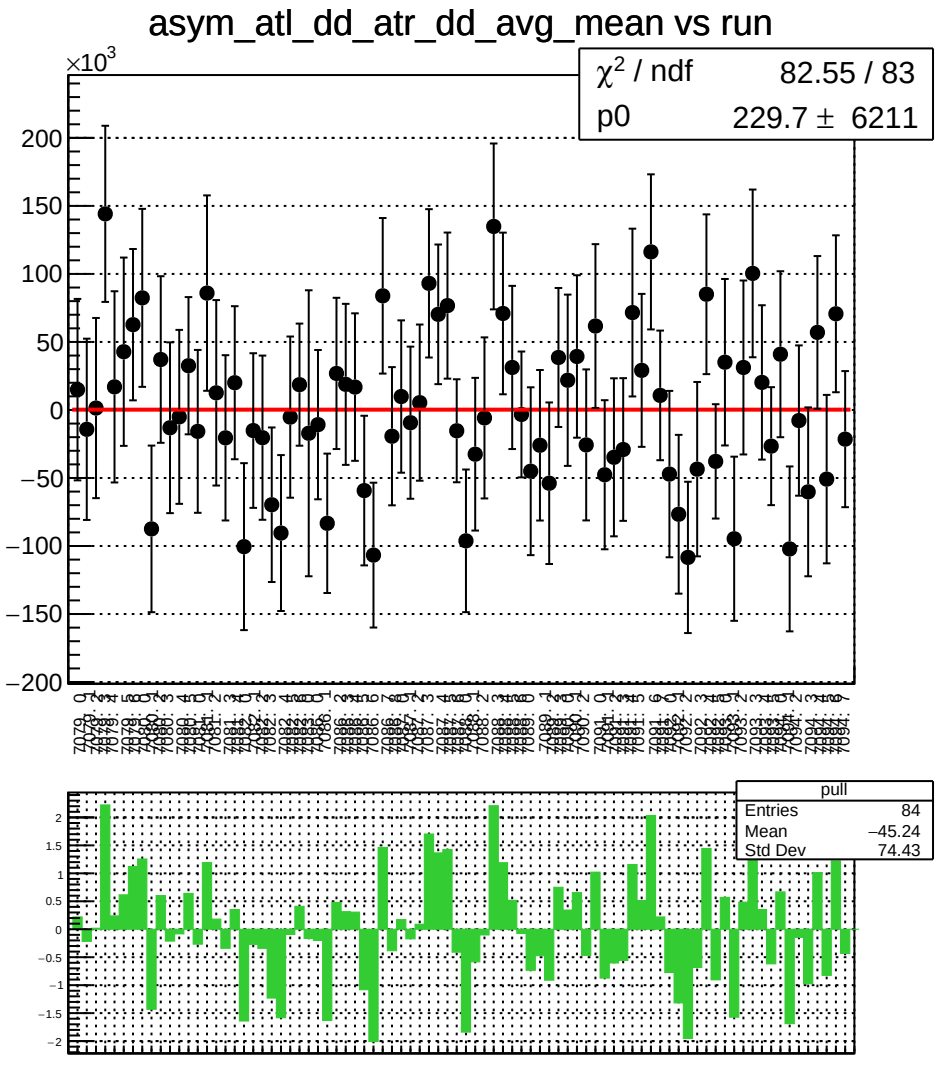

pull1D
Entries 84
Mean 0.00882
Std Dev 0.8833

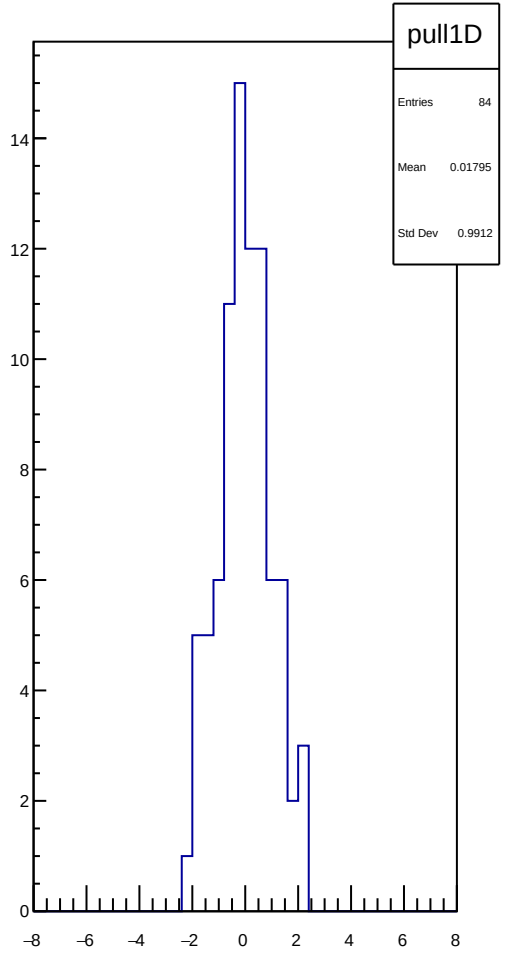

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 196.4 / 83
p0 1329 ± 1.046
1380
1360
1340
1320
1300
1280
1260

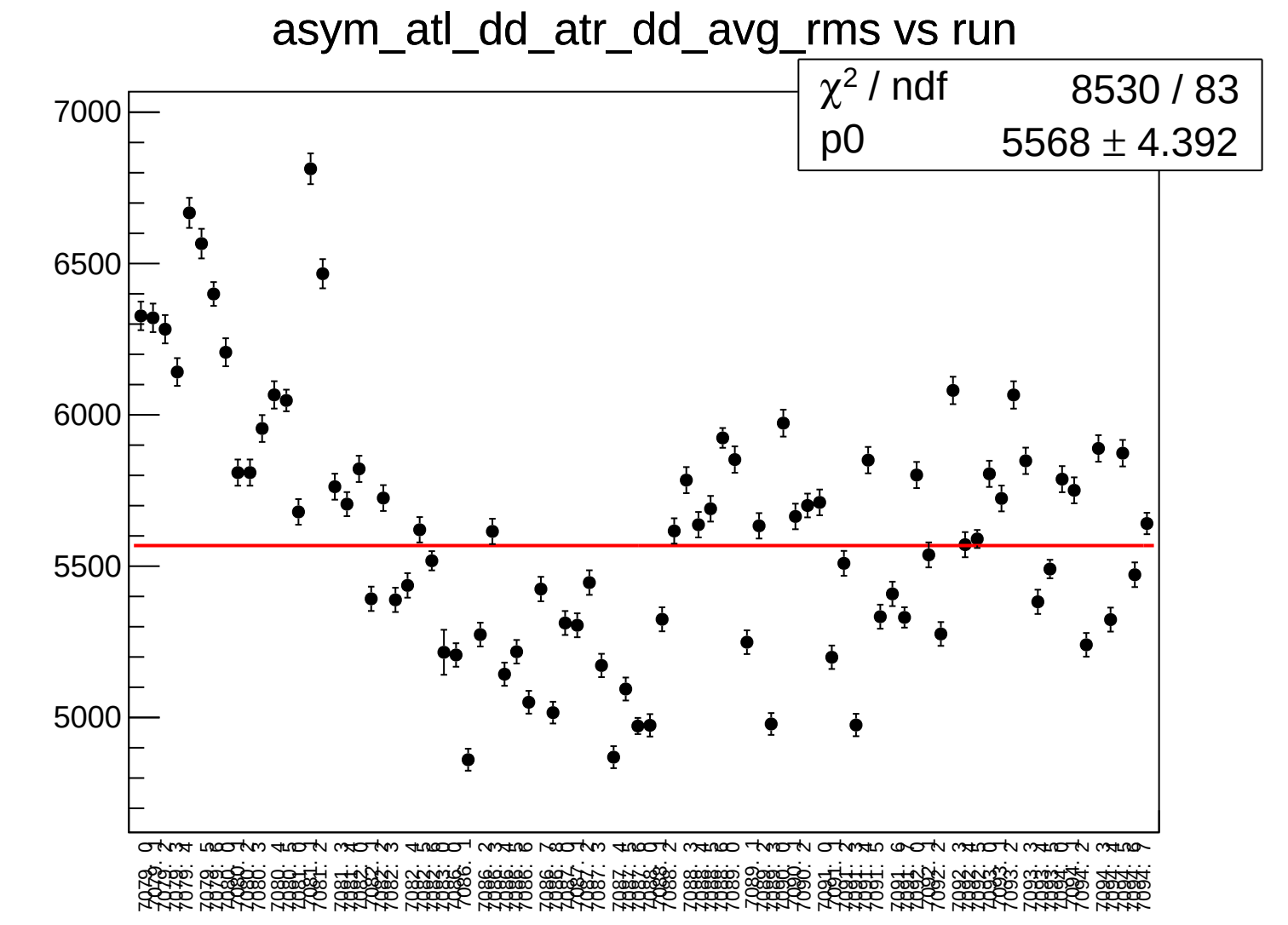

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 82.9 / 83
p0 1844 ± 6053
pull
Entries 84
Mean −64.01
Std Dev 94.51

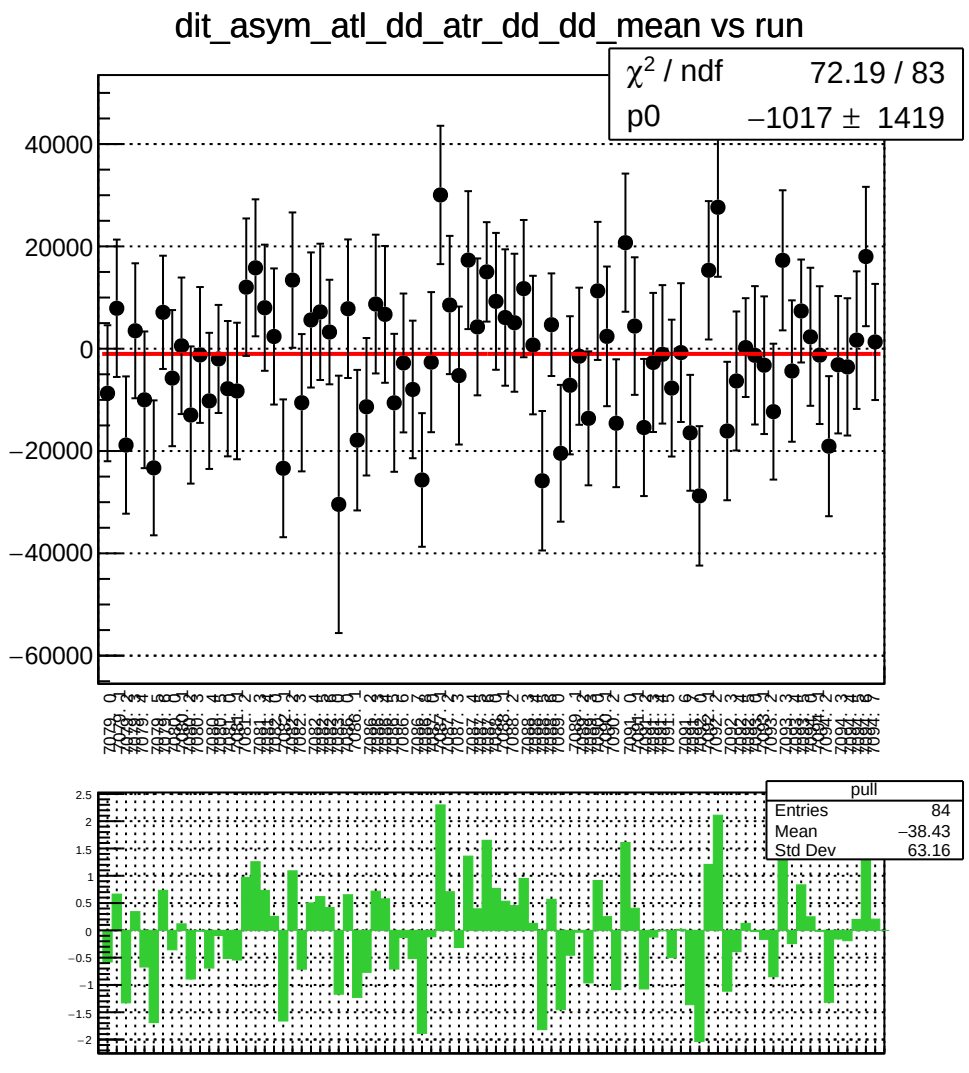

pull1D
Entries 84
Mean −0.01962
Std Dev 0.9933

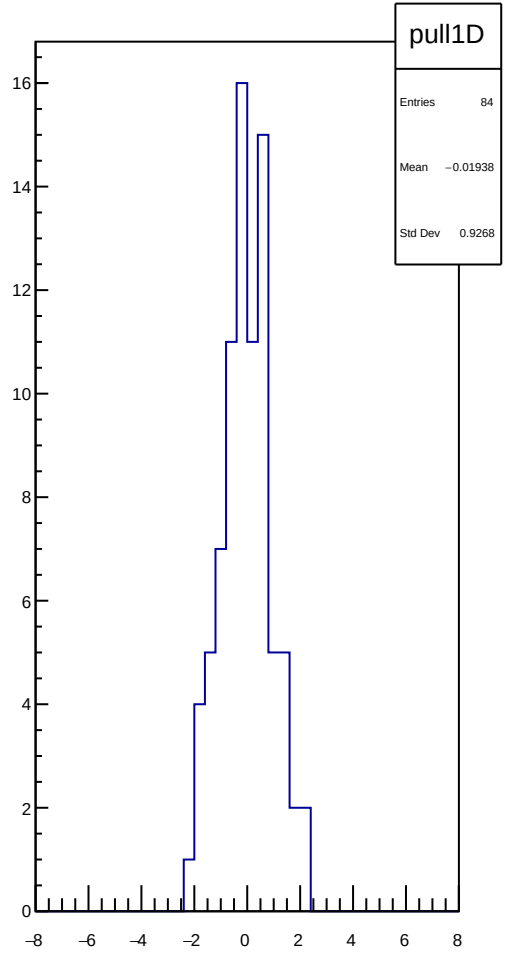

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 9650 / 83
p0 5425 ± 4.28
6500
6000
5500
5000
4500

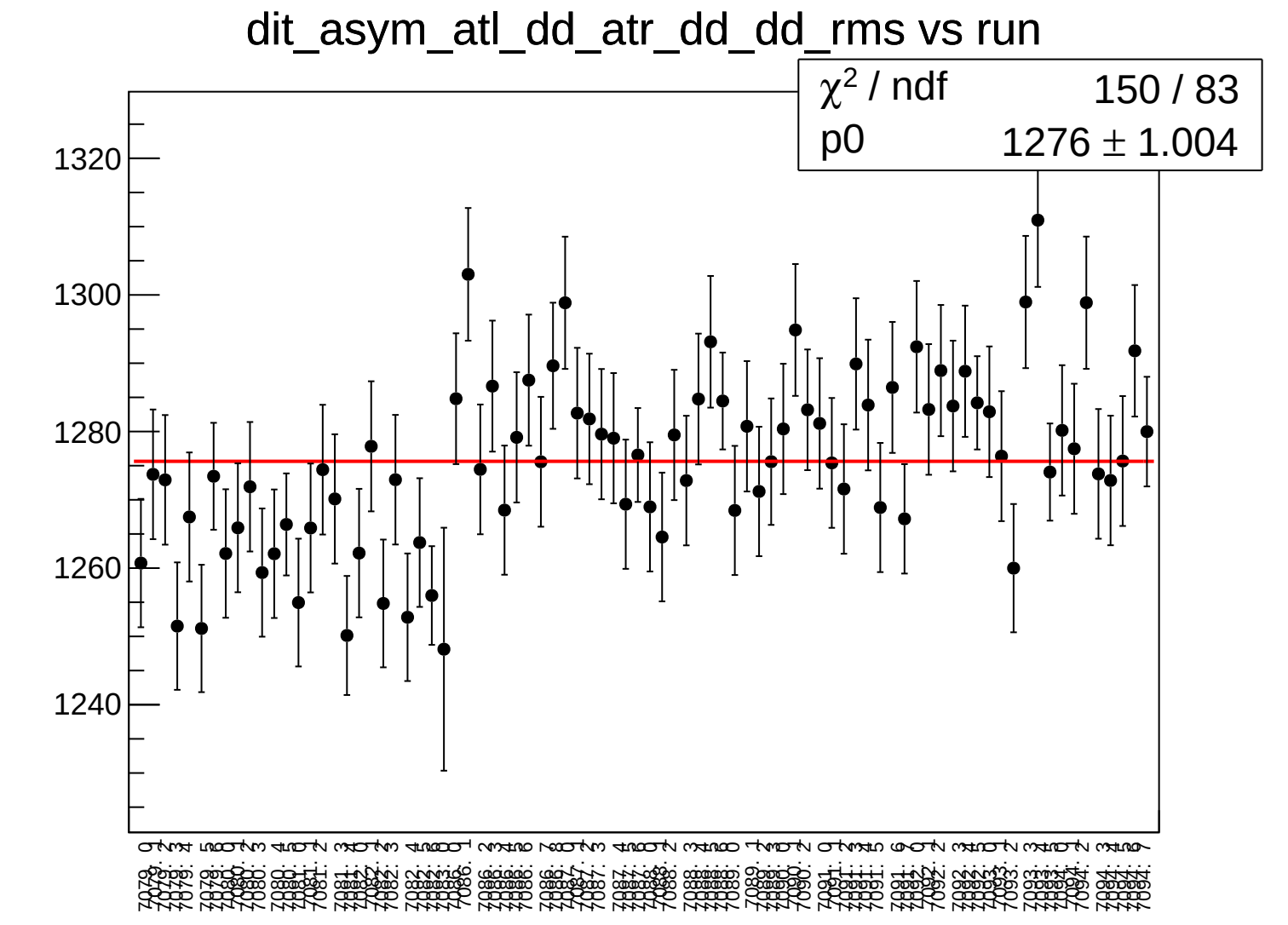

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 82.55 / 83
p0 229.7 ± 6211
pull
Entries 84
Mean −45.24
Std Dev 74.43

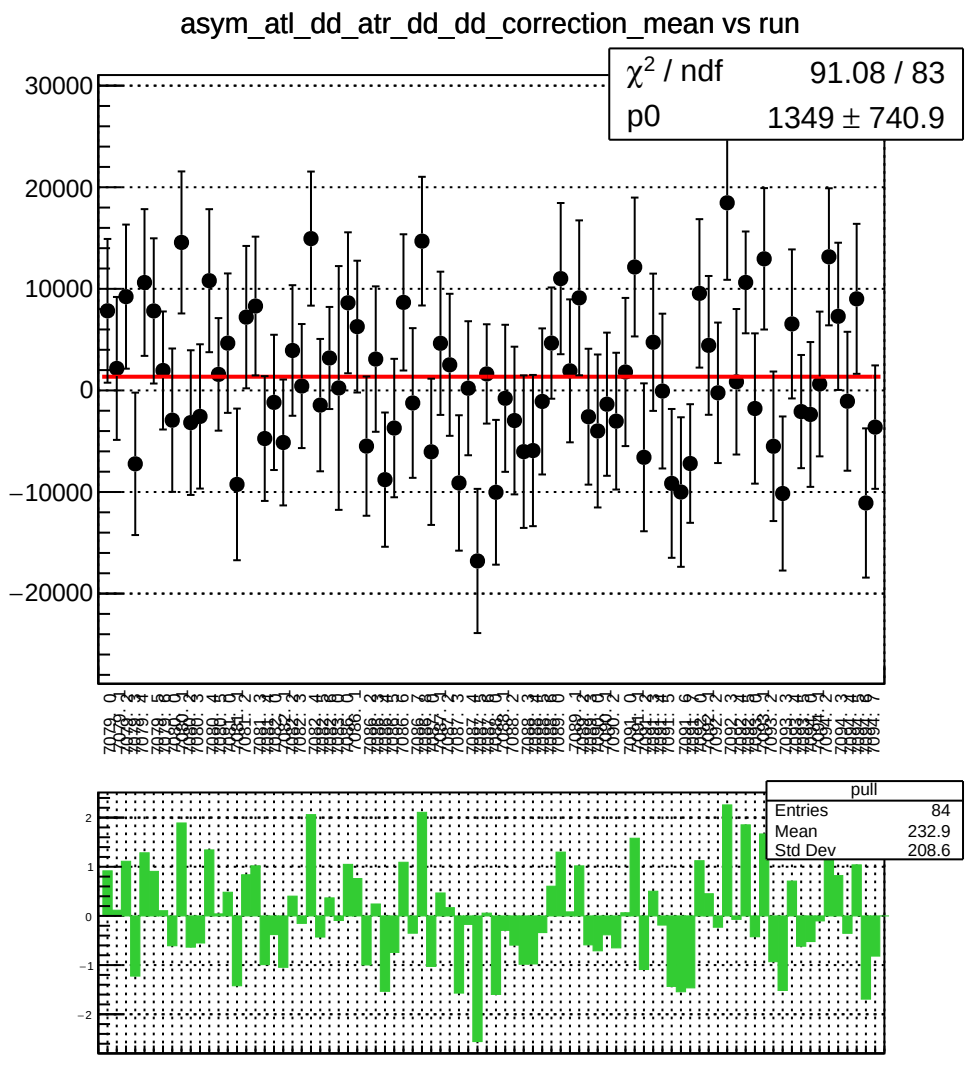

pull1D
Entries 84
Mean 0.01795
Std Dev 0.9912

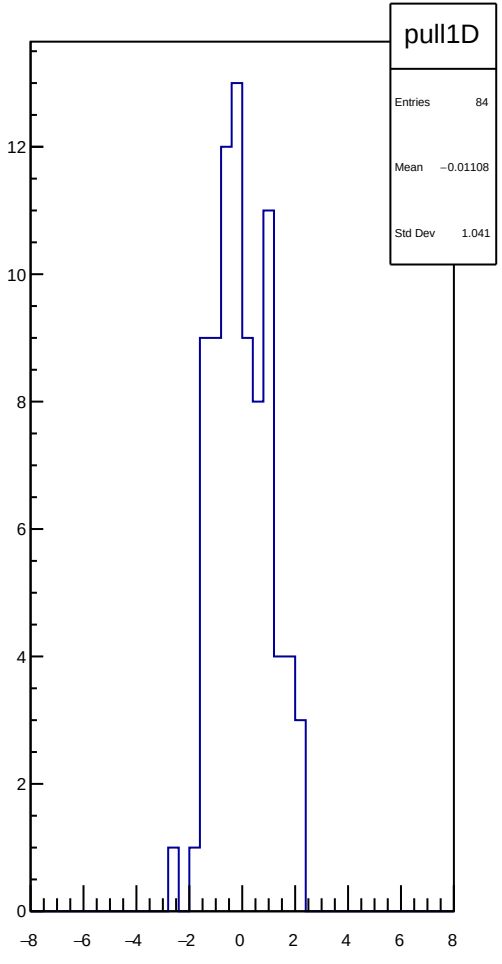

asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 8530 / 83
p0 5568 ± 4.392
7000
6500
6000
5500
5000

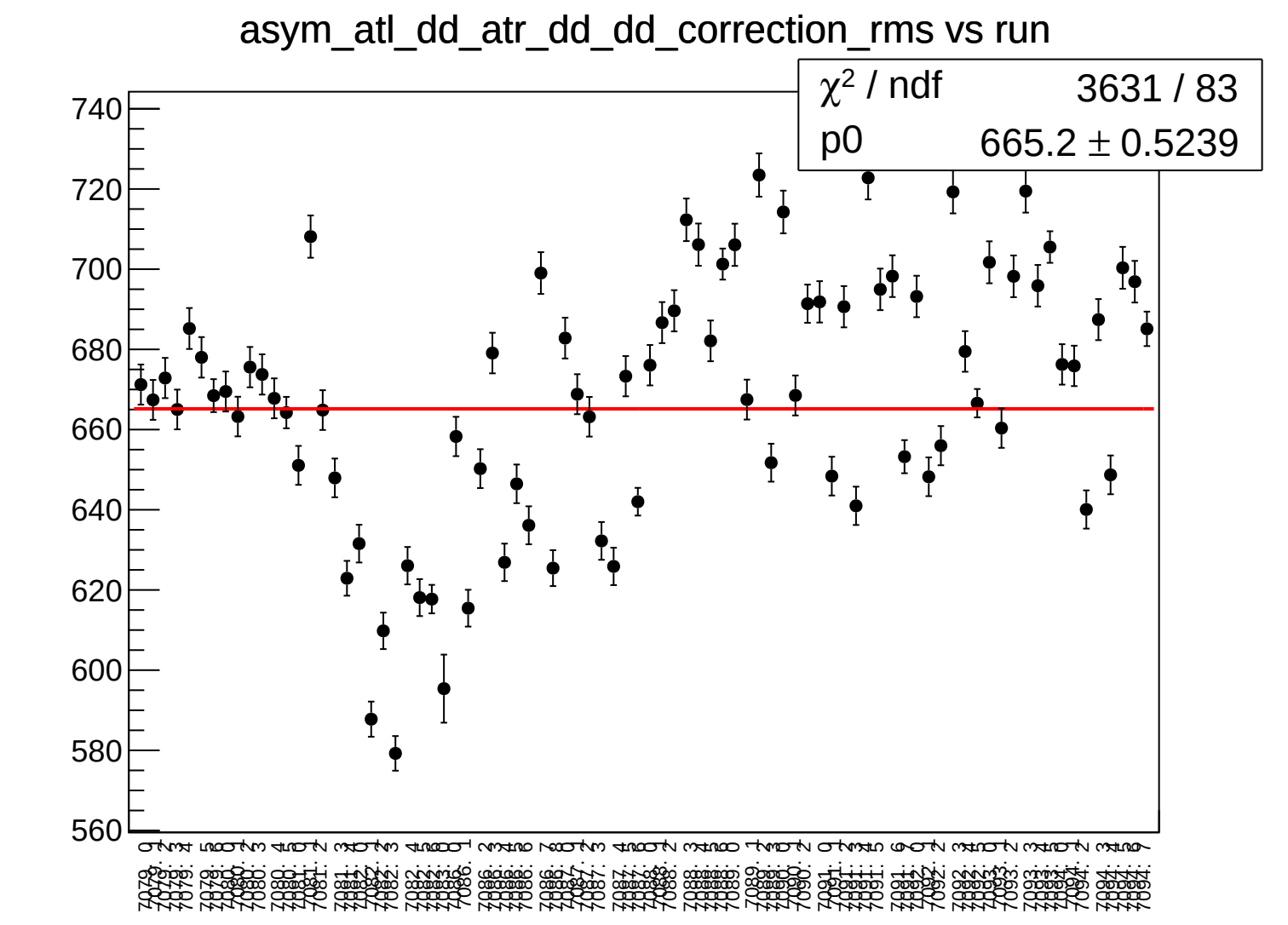

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 72.19 / 83
p0 −1017 ± 1419
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −38.43
Std Dev 63.16
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

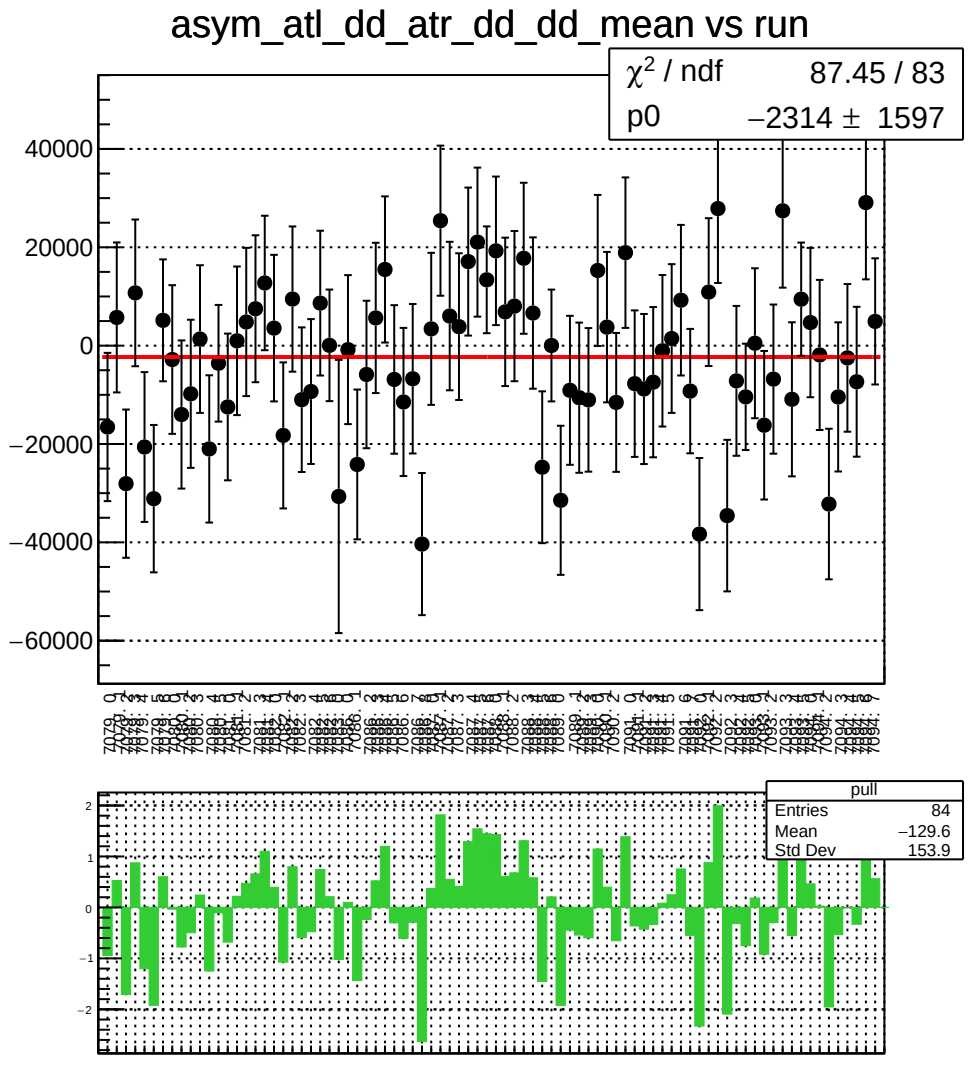

pull1D
Entries 84
Mean −0.01938
Std Dev 0.9268
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

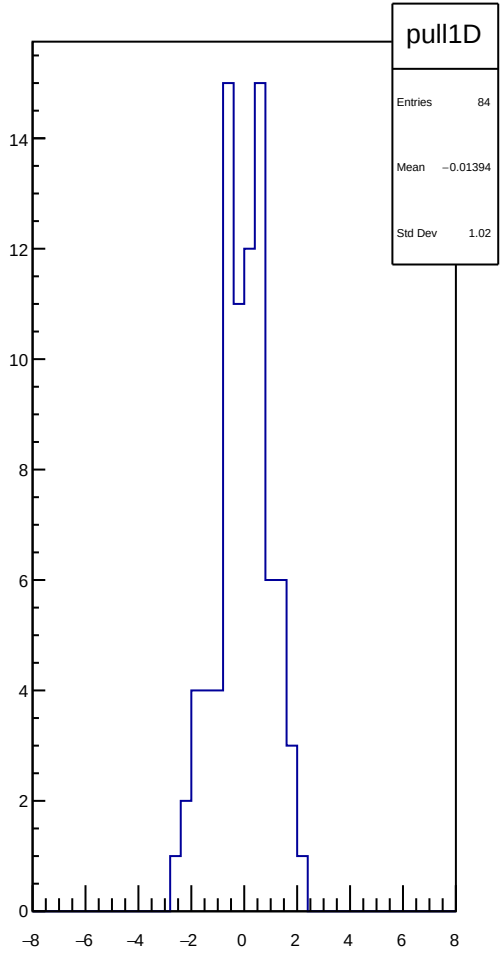

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 150 / 83
p0 1276 ± 1.004
1320
1300
1280
1260
1240

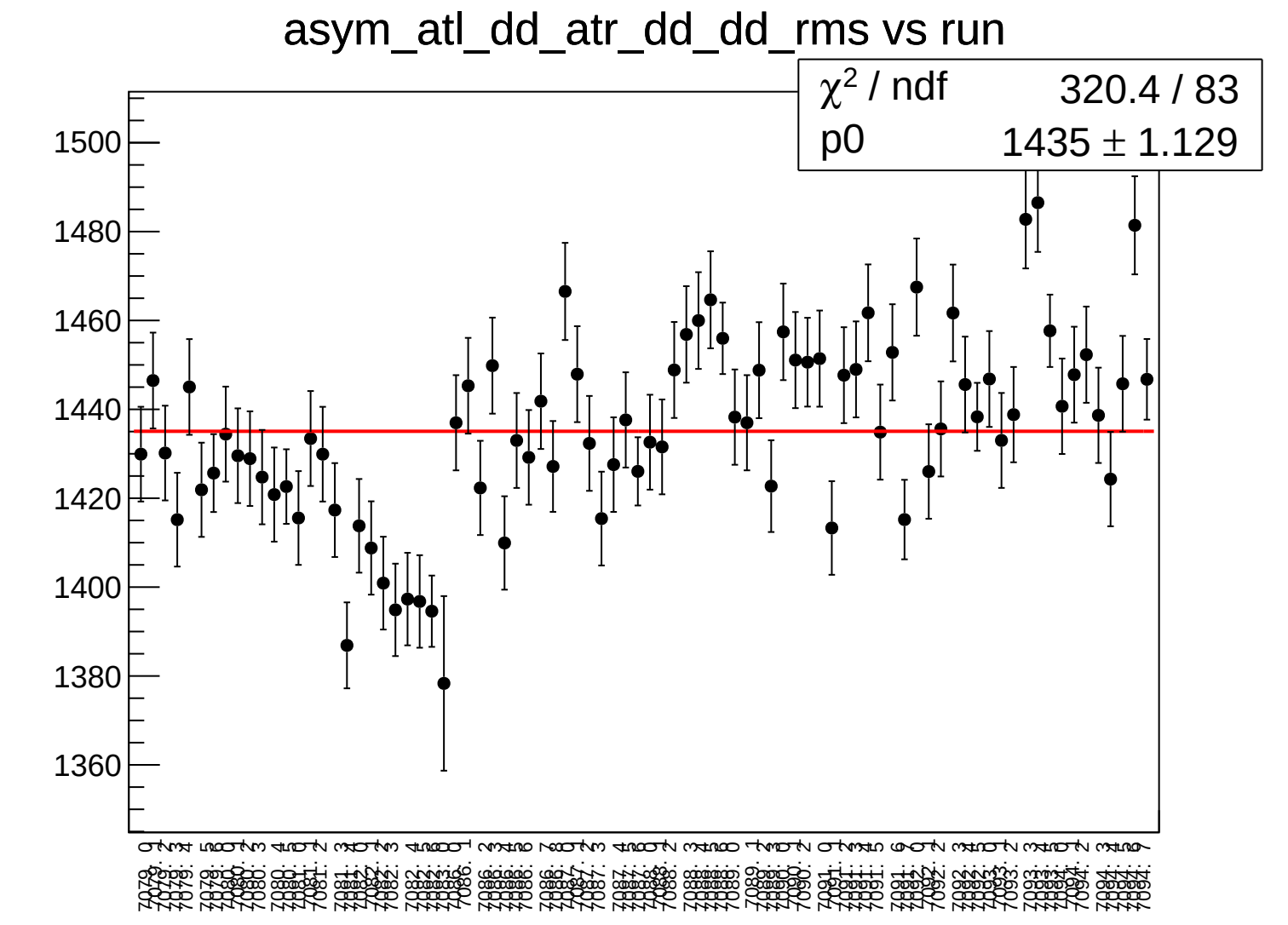

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 91.08 / 83
p0 1349 ± 740.9
30000
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 232.9
Std Dev 208.6
2
1
0
−1
−2

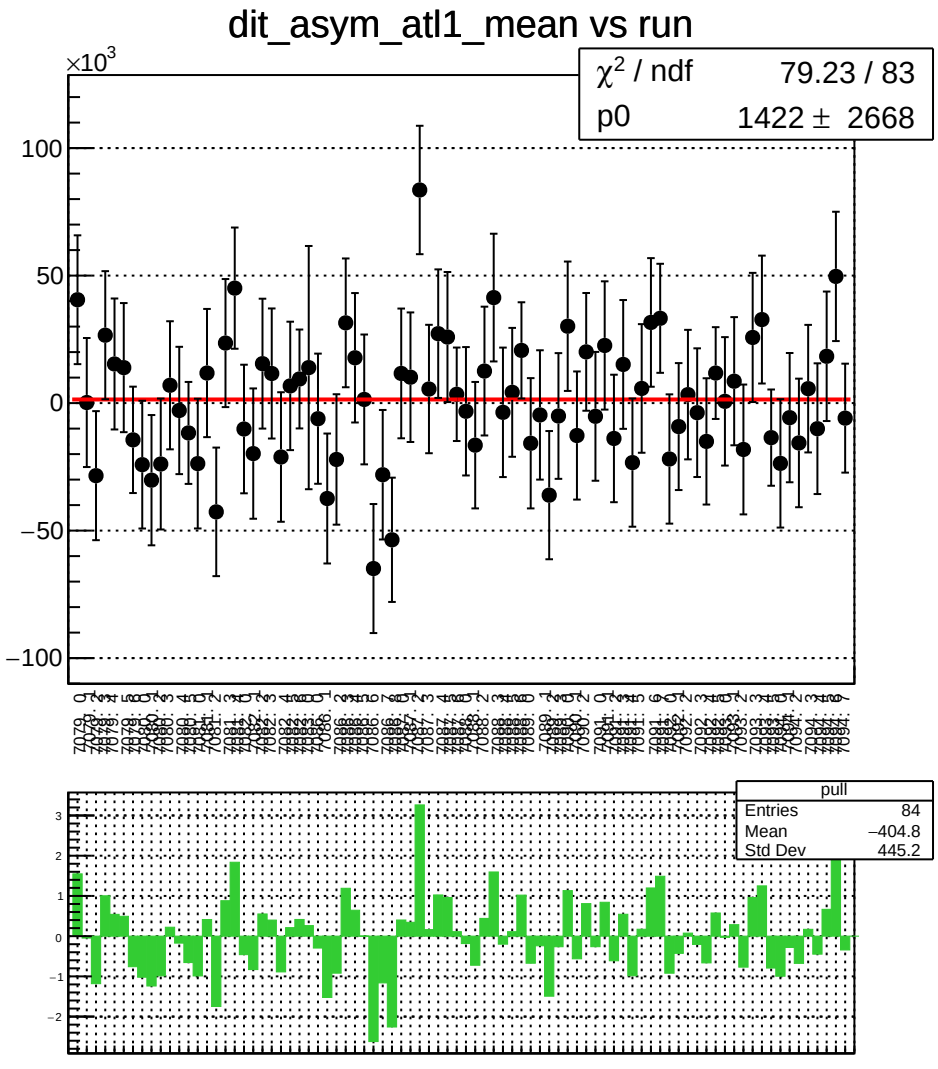

pull1D
Entries 84
Mean −0.01108
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

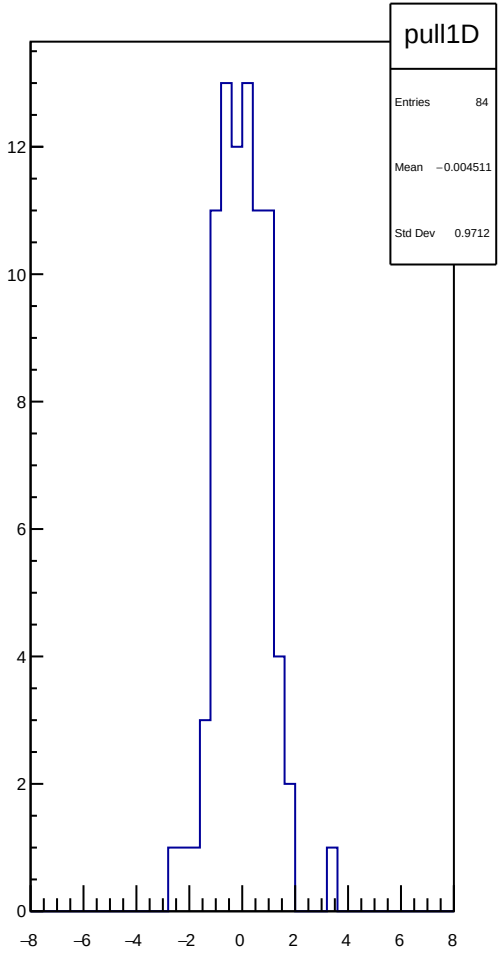

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3631 / 83
p0 665.2 ± 0.5239
740
720
700
680
660
640
620
600
580
560

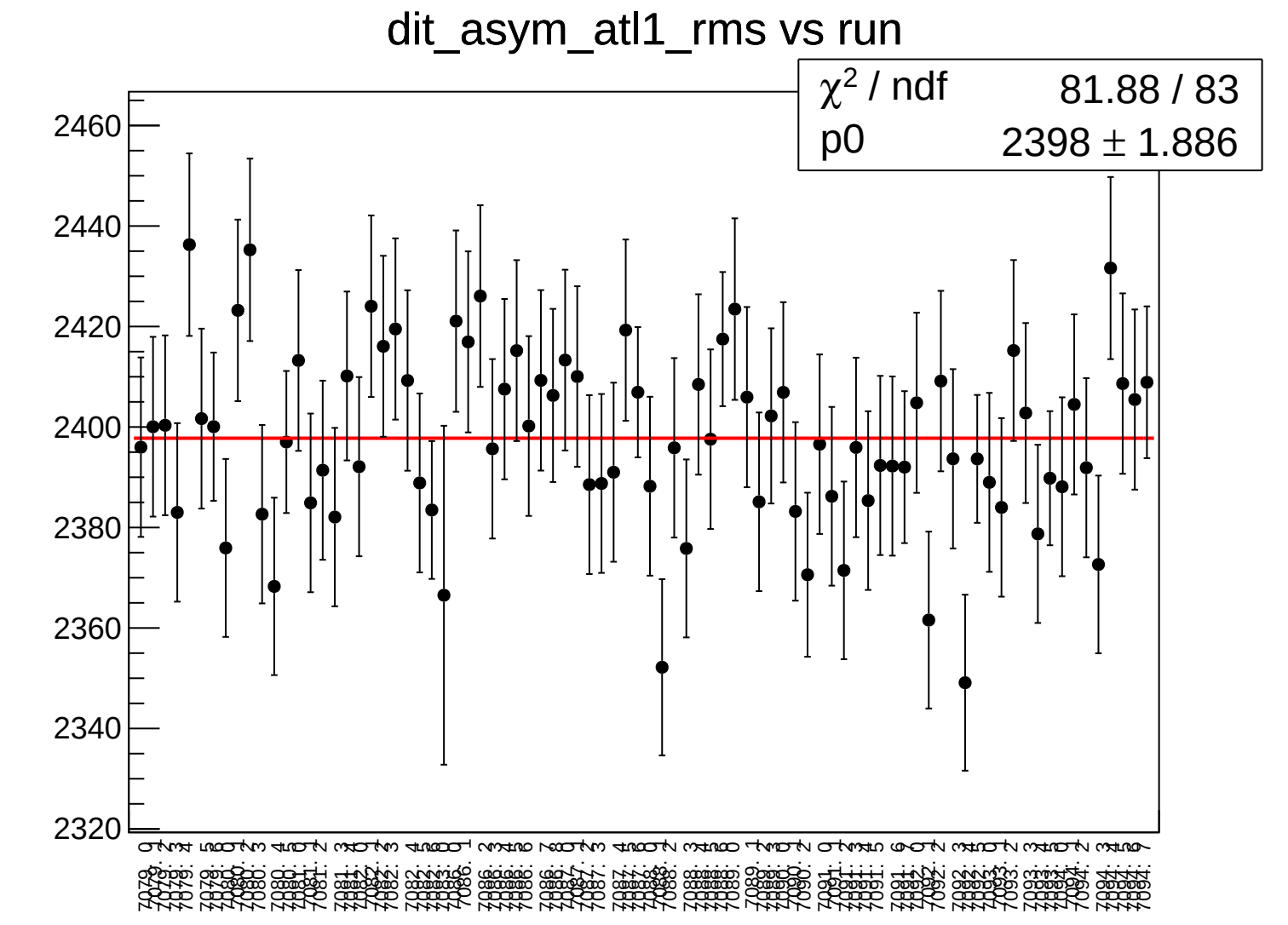

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 87.45 / 83
p0 −2314 ± 1597
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −129.6
Std Dev 153.9
2
1
0
−1
−2

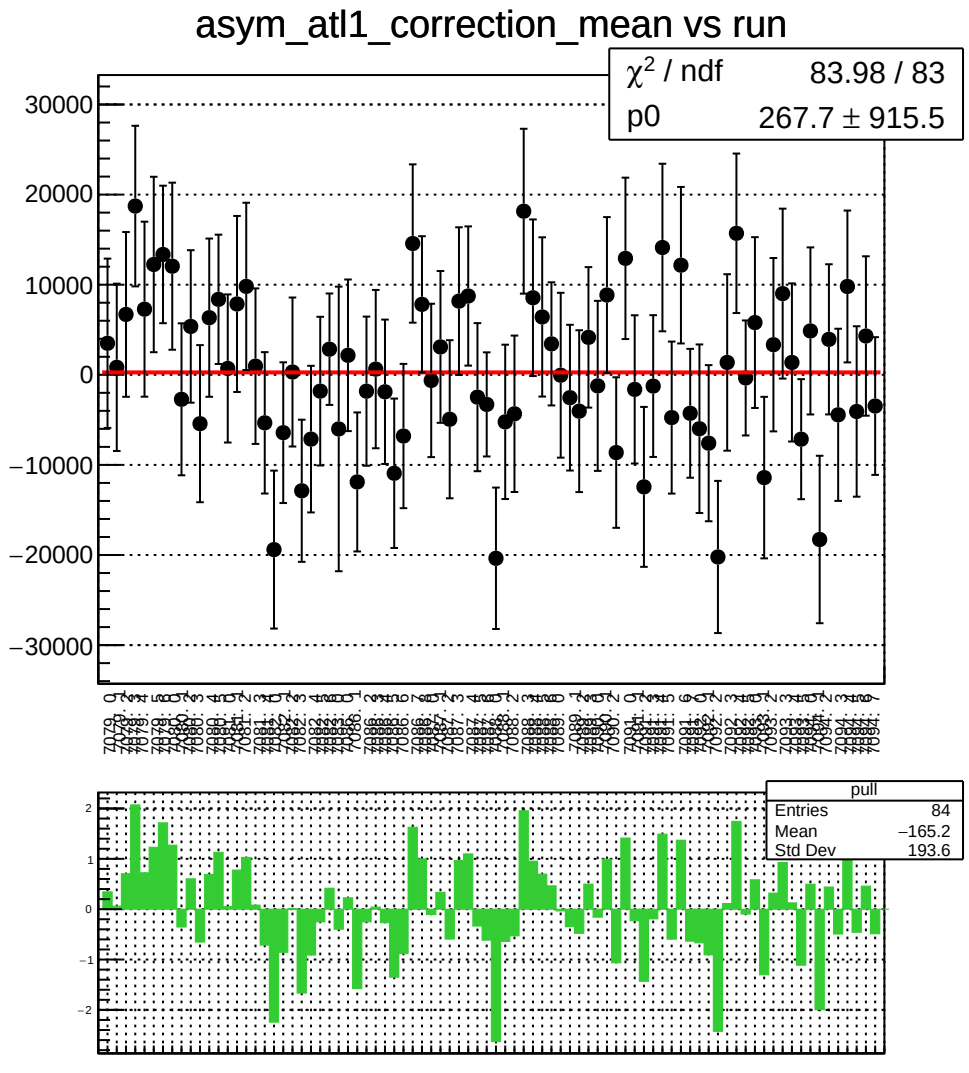

pull1D
Entries 84
Mean −0.01394
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

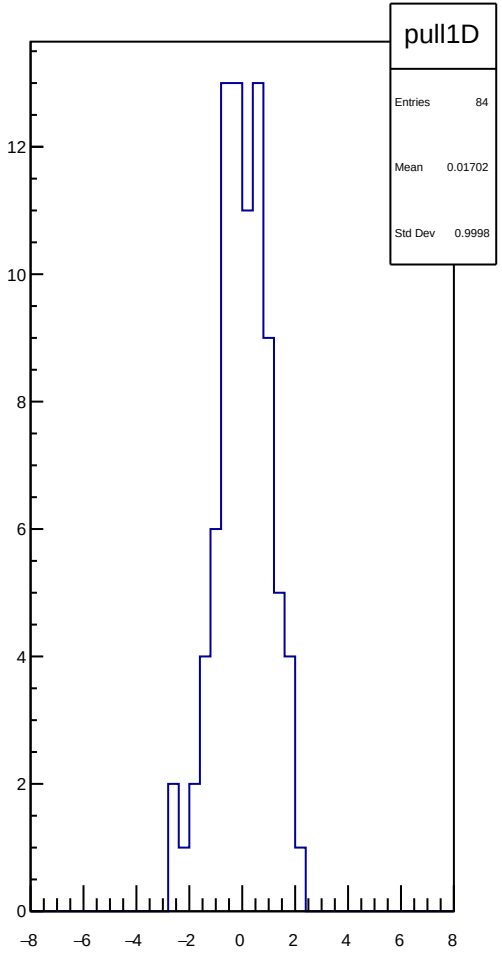

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 320.4 / 83
p0 1435 ± 1.129
1500
1480
1460
1440
1420
1400
1380
1360

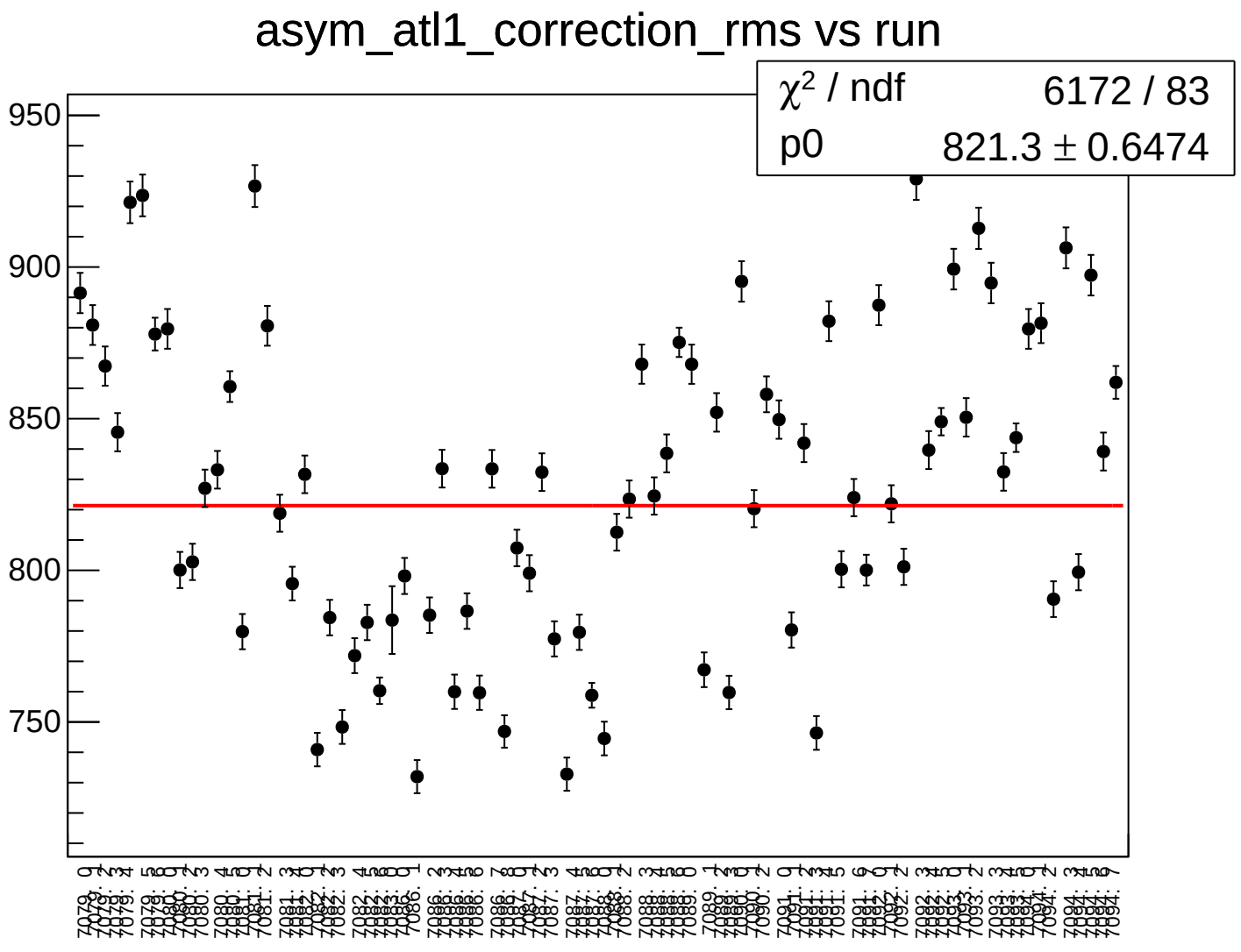

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 79.23 / 83
p0 1422 ± 2668
100
50
0
−50
−100
pull
Entries 84
Mean −404.8
Std Dev 445.2
3
2
1
0
−1
−2

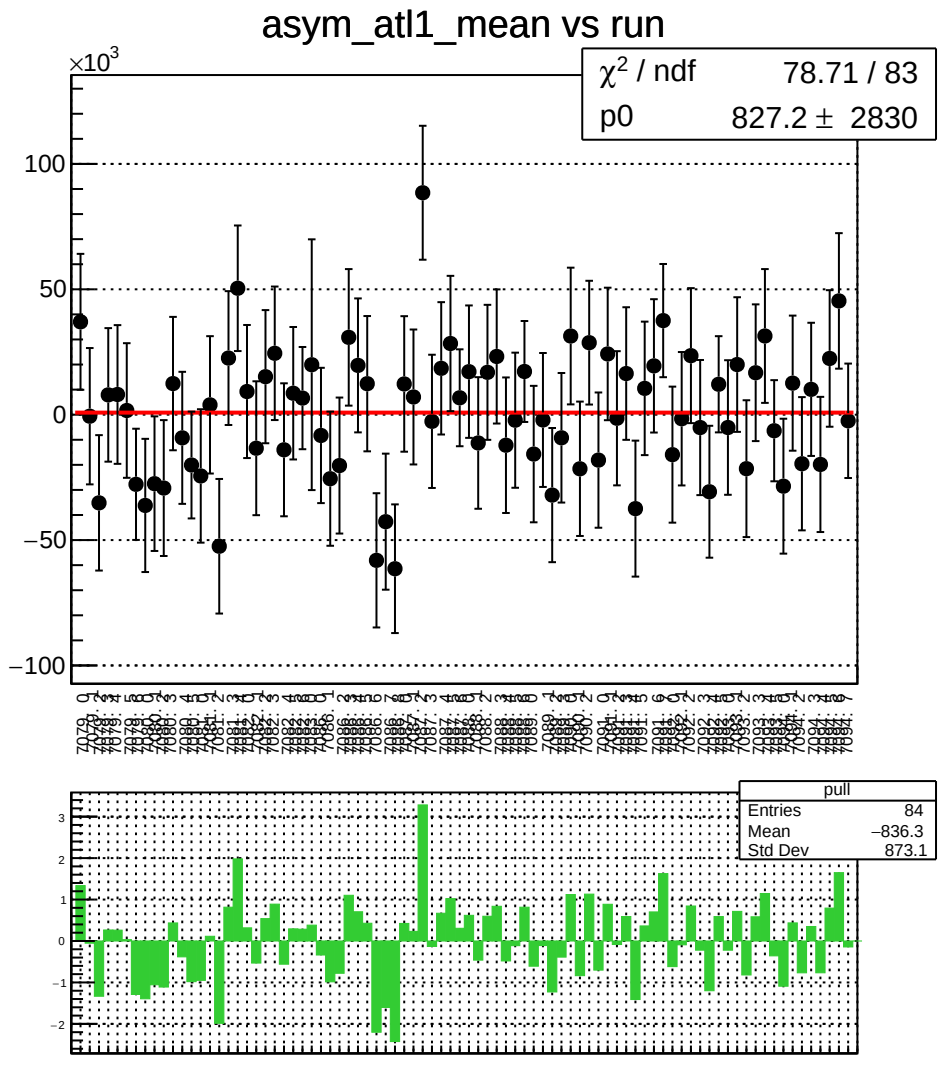

pull1D
Entries 84
Mean −0.004511
Std Dev 0.9712
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

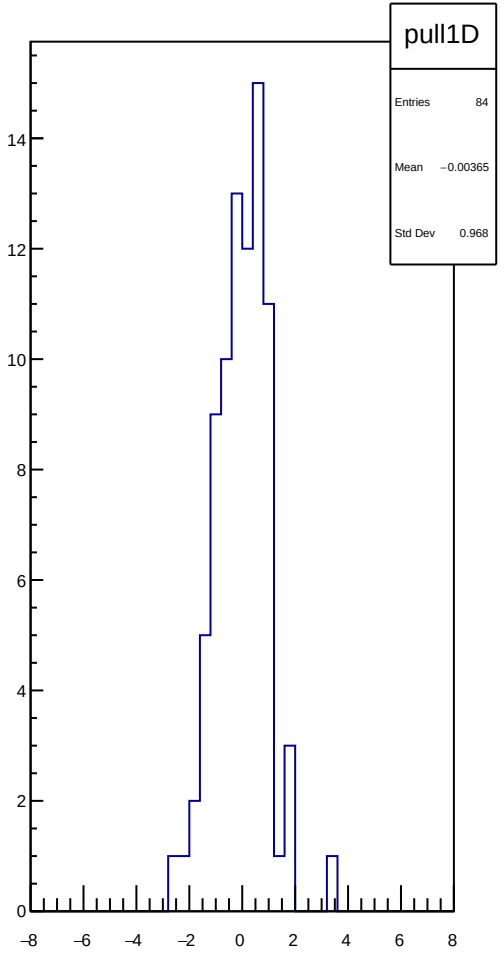

dit_asym_atl1_rms vs run
χ² / ndf 81.88 / 83
p0 2398 ± 1.886
2460
2440
2420
2400
2380
2360
2340
2320

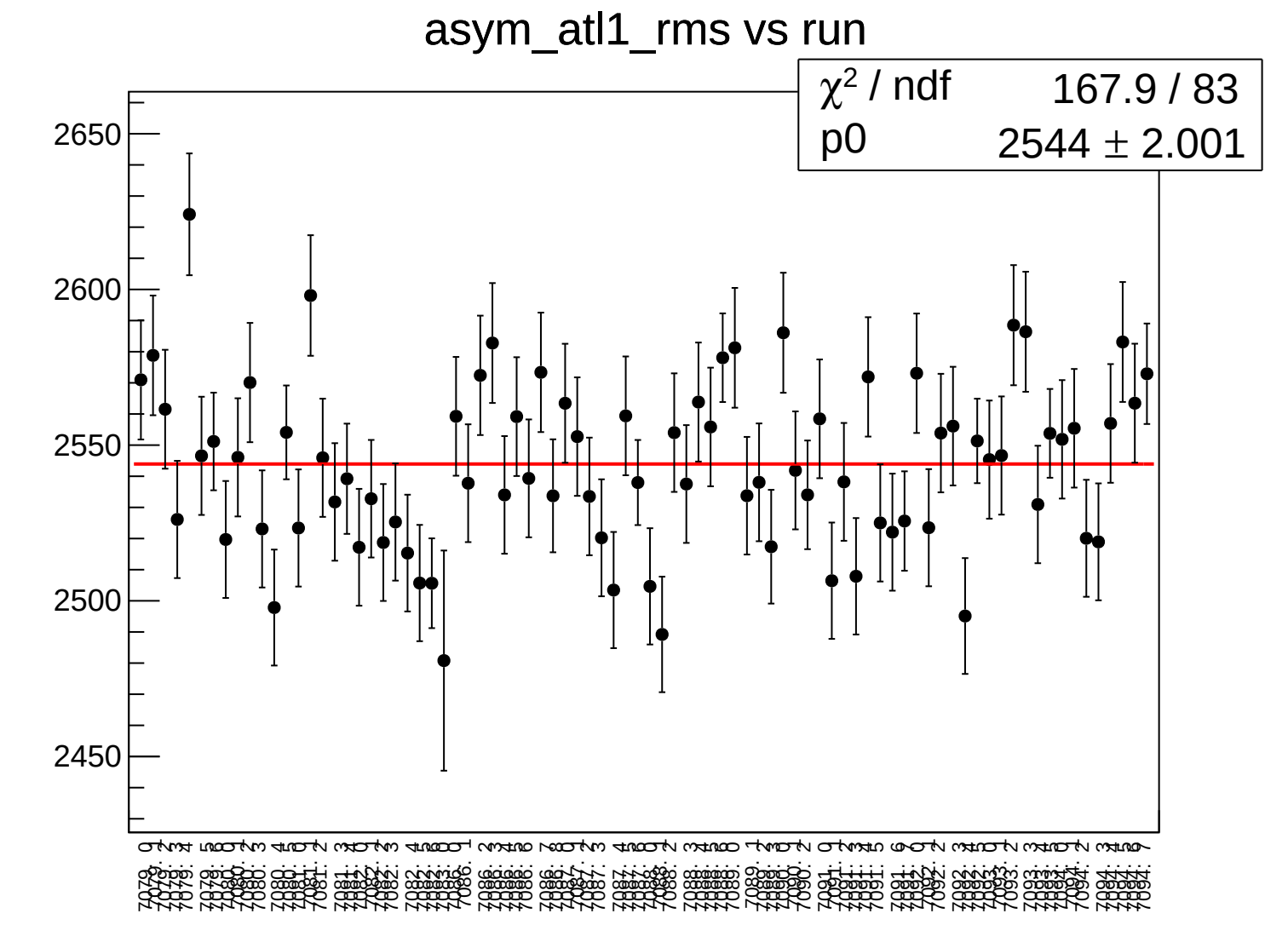

asym_atl1_correction_mean vs run
χ² / ndf 83.98 / 83
p0 267.7 ± 915.5
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −165.2
Std Dev 193.6
2
1
0
−1
−2

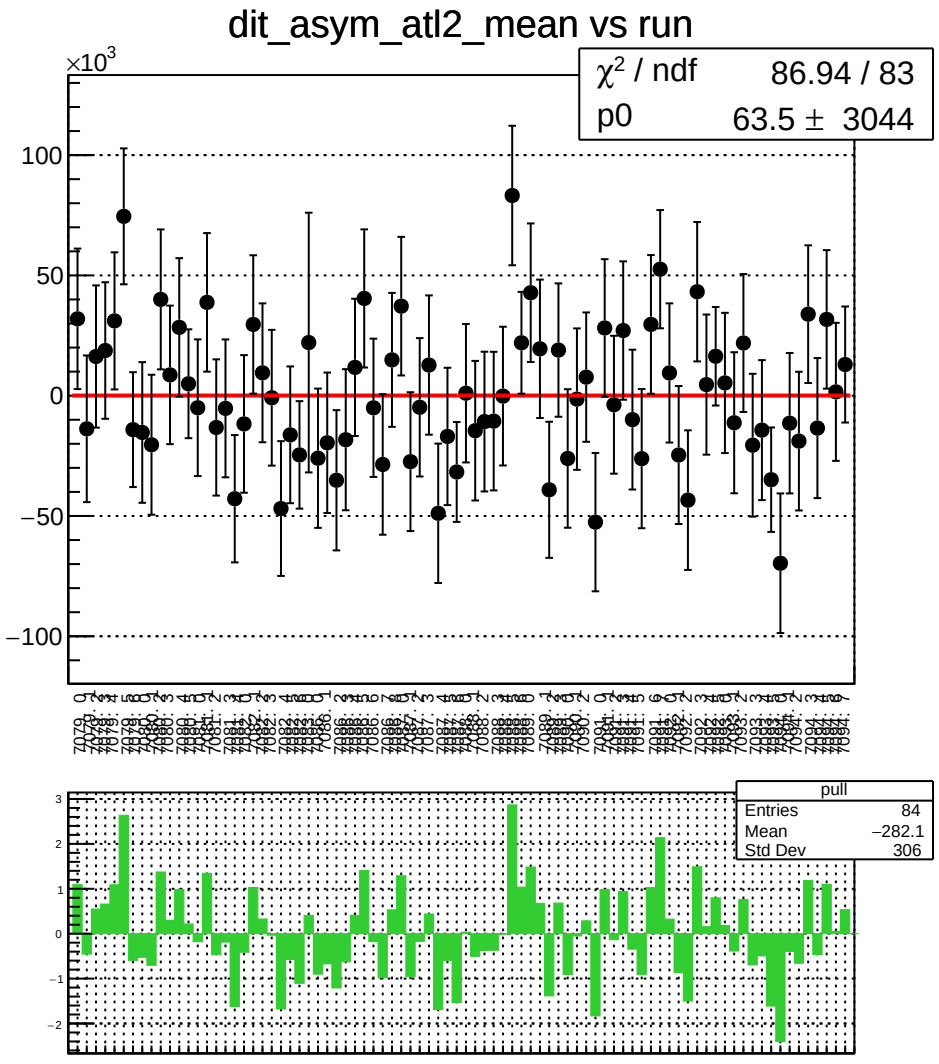

pull1D
Entries 84
Mean 0.01702
Std Dev 0.9998
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

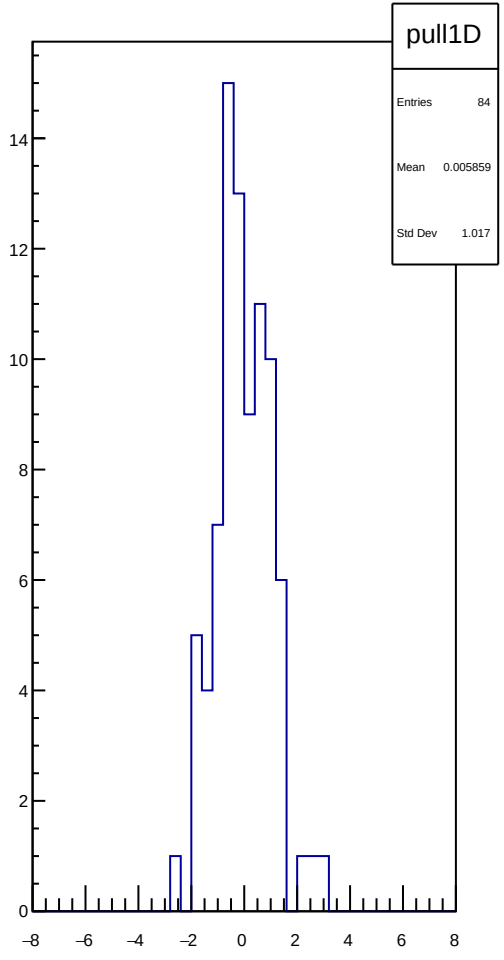

asym_atl1_correction_rms vs run
χ² / ndf 6172 / 83
p0 821.3 ± 0.6474
950
900
850
800
750

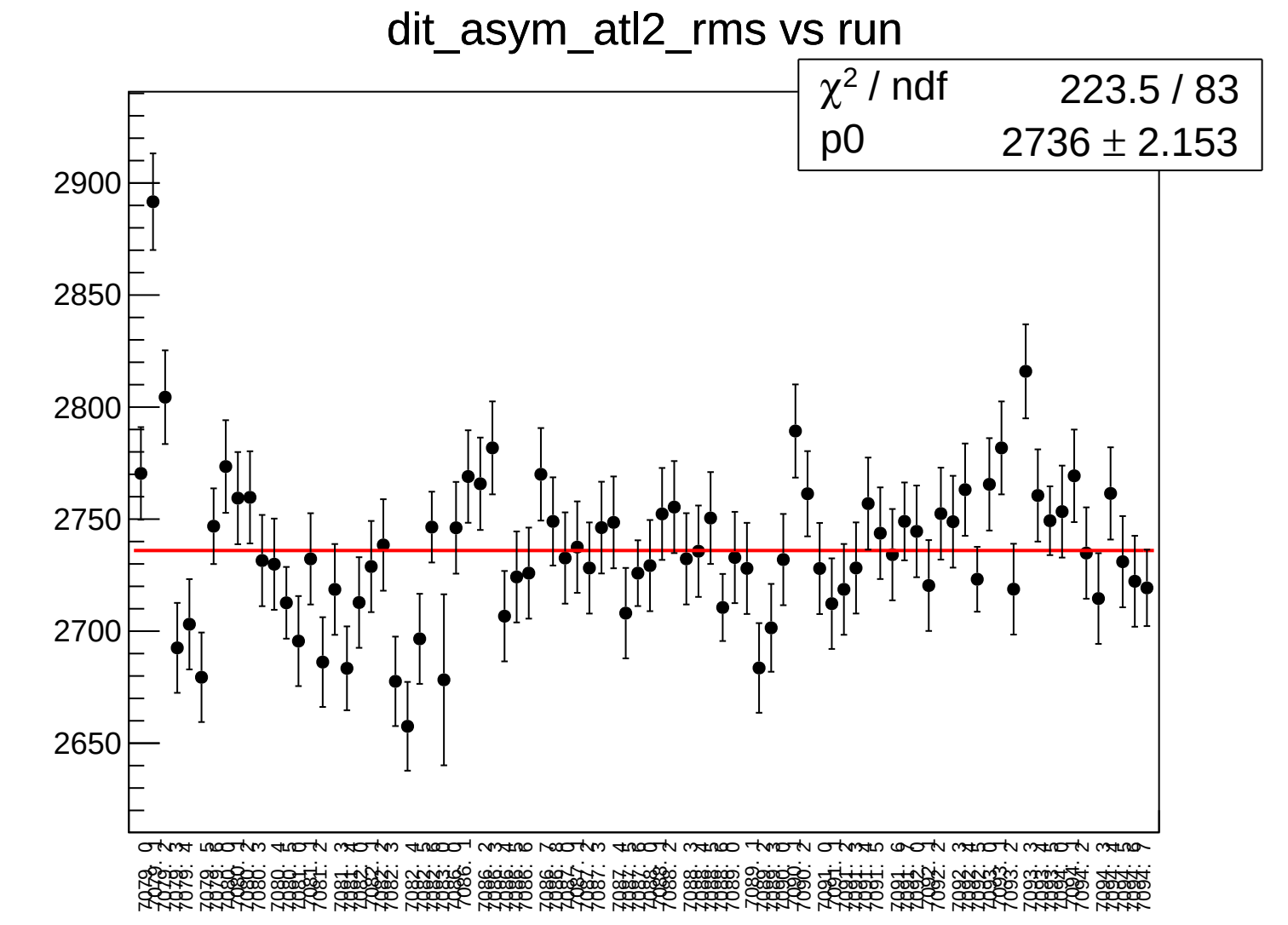

asym_atl1_mean vs run
×10^3
χ^2 / ndf 78.71 / 83
p0 827.2 ± 2830
100
50
0
−50
−100
pull
Entries 84
Mean −836.3
Std Dev 873.1
3
2
1
0
−1
−2

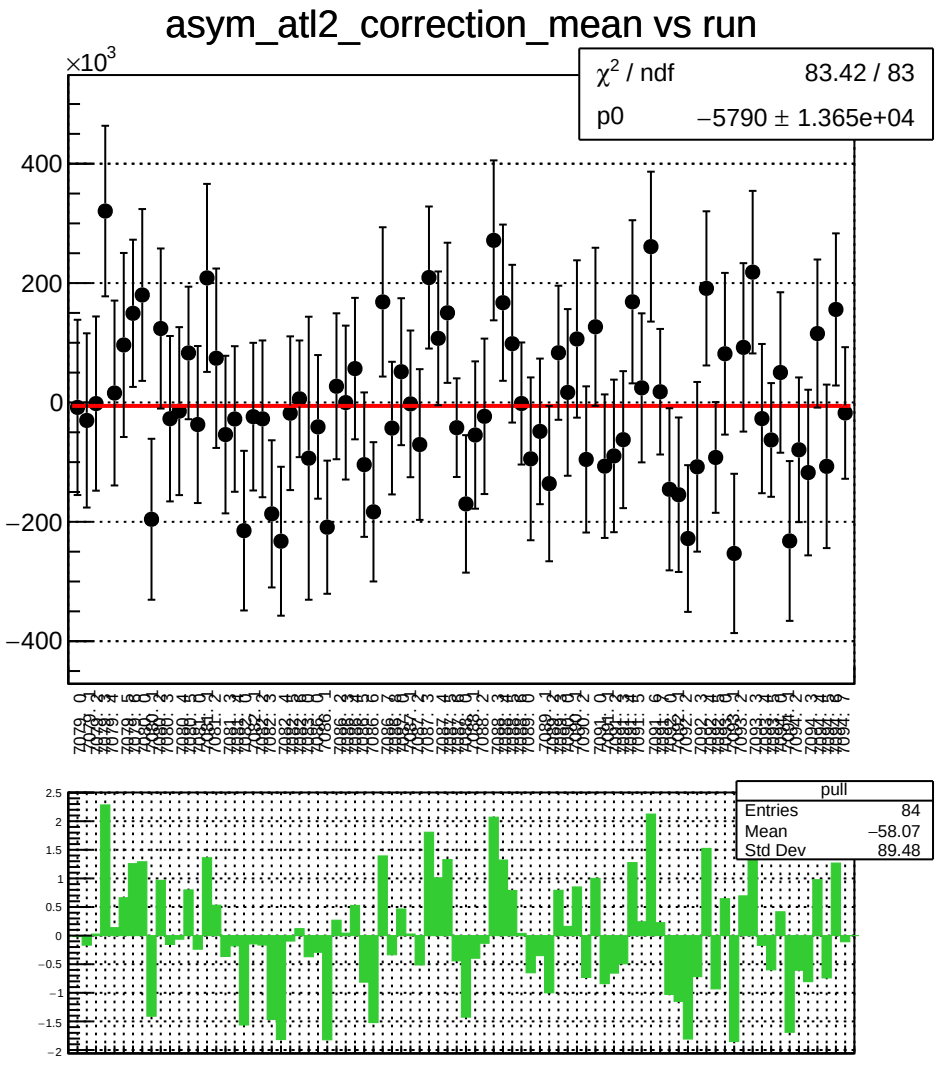

pull1D
Entries 84
Mean −0.00365
Std Dev 0.968
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

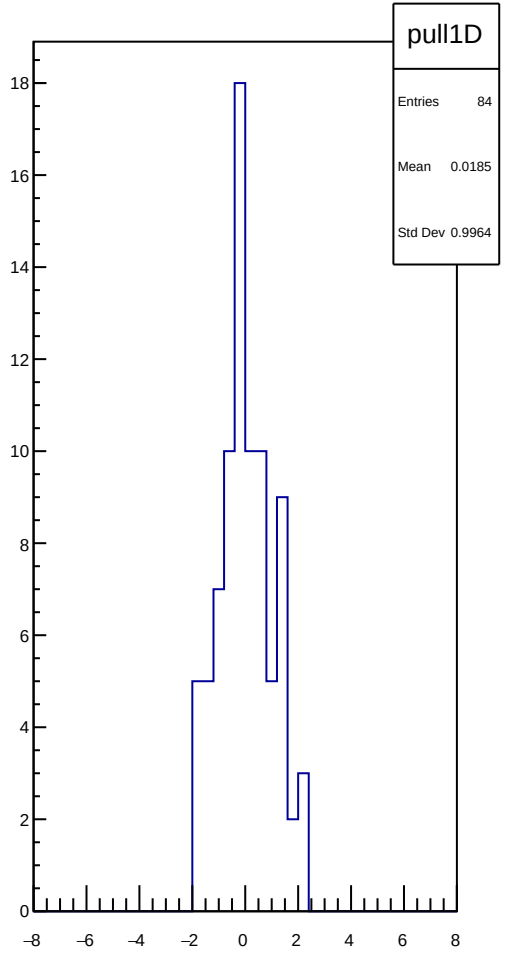

asym_atl1_rms vs run
χ² / ndf 167.9 / 83
p0 2544 ± 2.001
2650
2600
2550
2500
2450

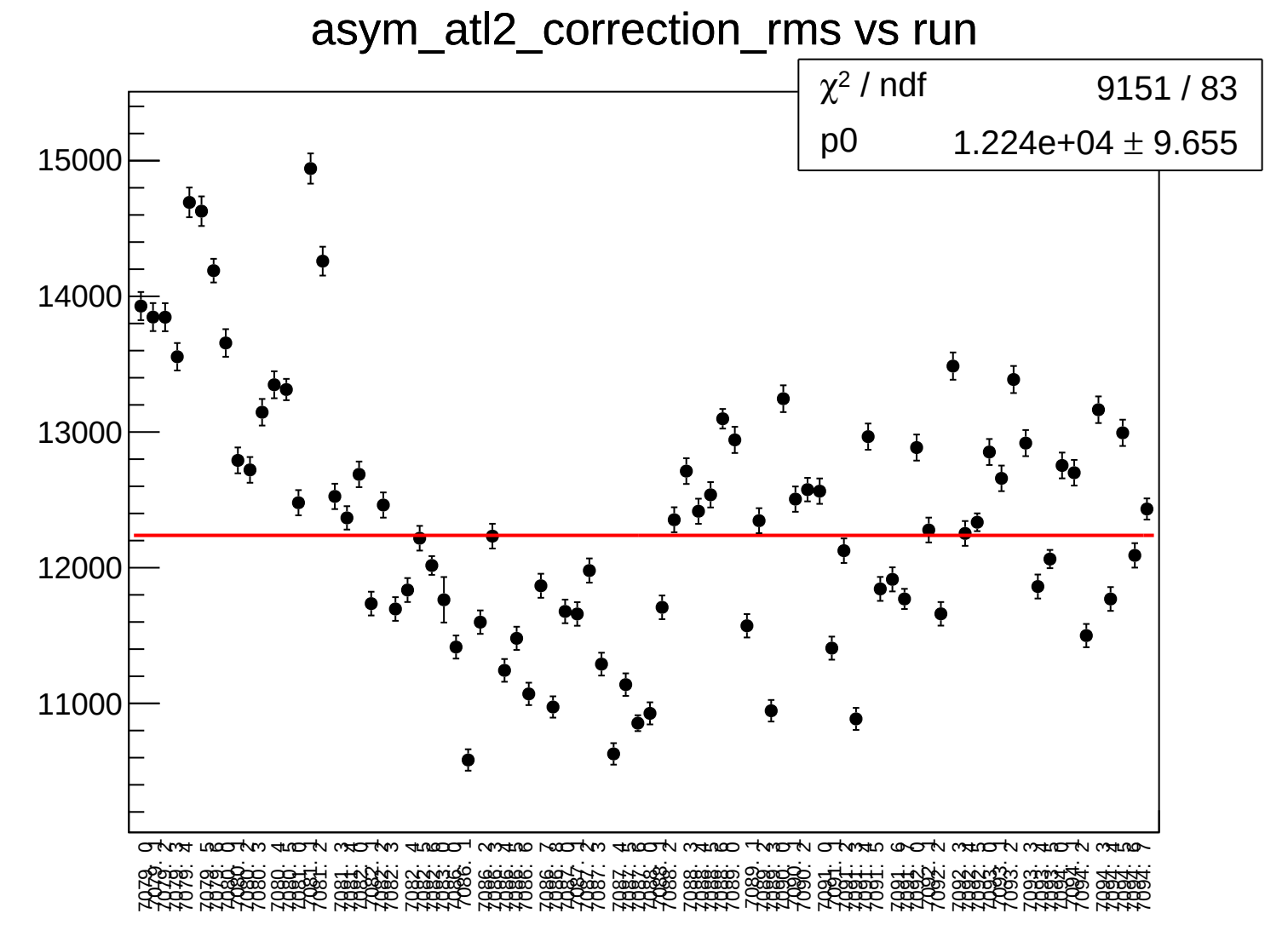

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 86.94 / 83
p0 63.5 ± 3044
100
50
0
−50
−100
pull
Entries 84
Mean −282.1
Std Dev 306
3
2
1
0
−1
−2

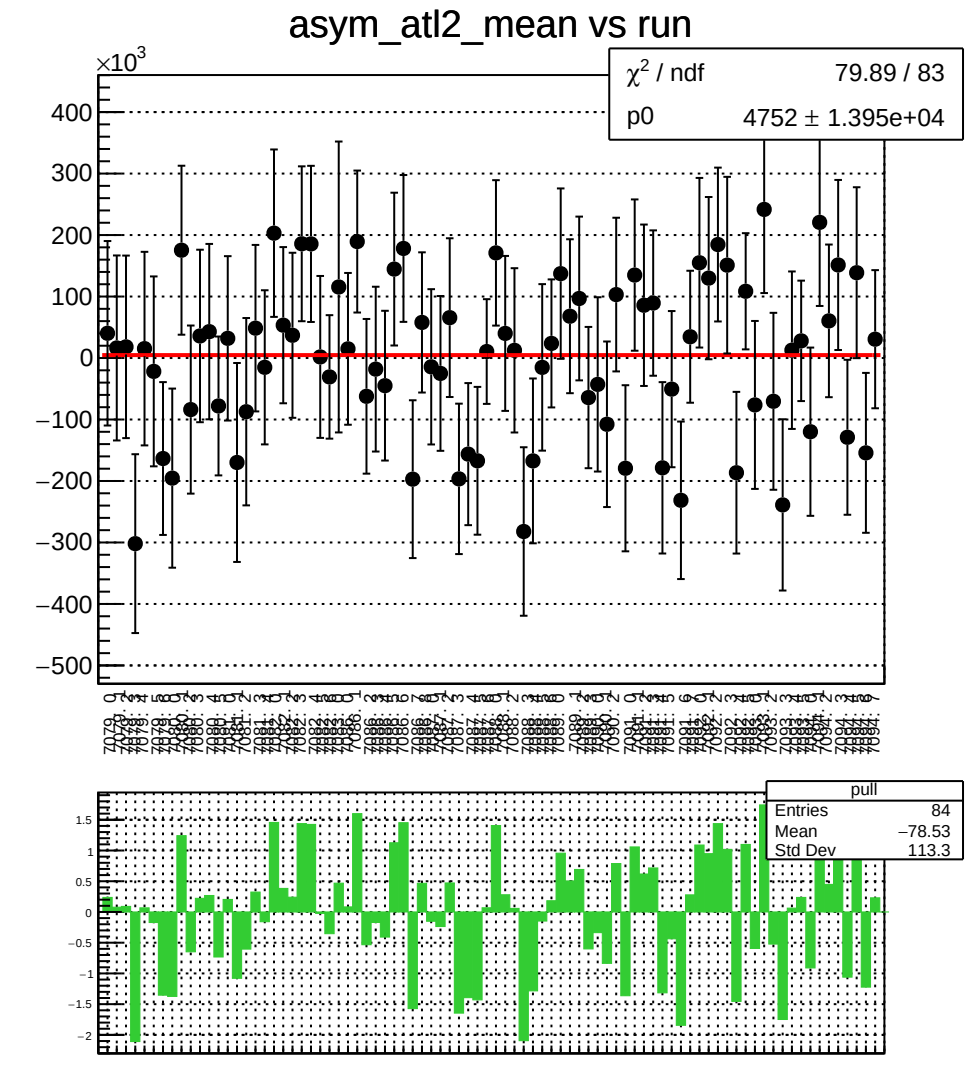

pull1D
Entries 84
Mean 0.005859
Std Dev 1.017
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

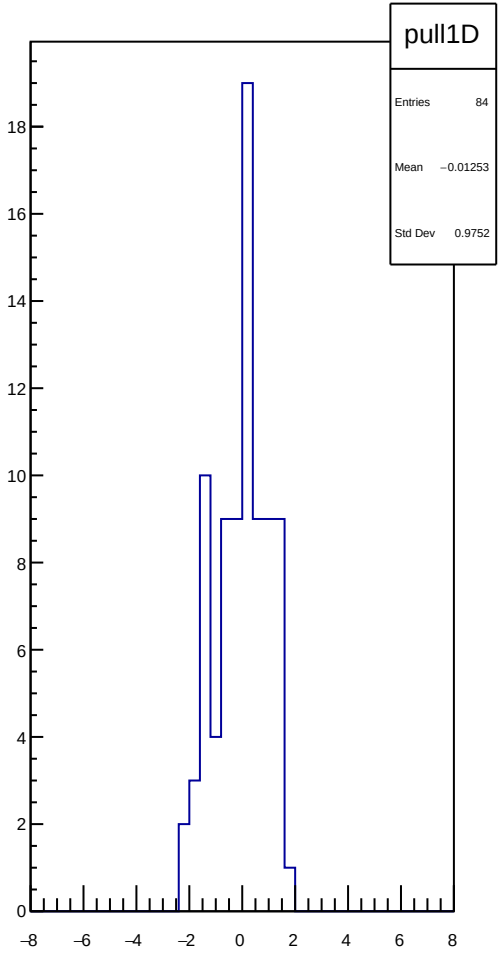

dit_asym_atl2_rms vs run
χ² / ndf 223.5 / 83
p0 2736 ± 2.153
2900
2850
2800
2750
2700
2650


asym_atl2_correction_mean vs run
×10^3
χ² / ndf 83.42 / 83
p0 −5790 ± 1.365e+04
400
200
0
−200
−400
pull
Entries 84
Mean −58.07
Std Dev 89.48
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

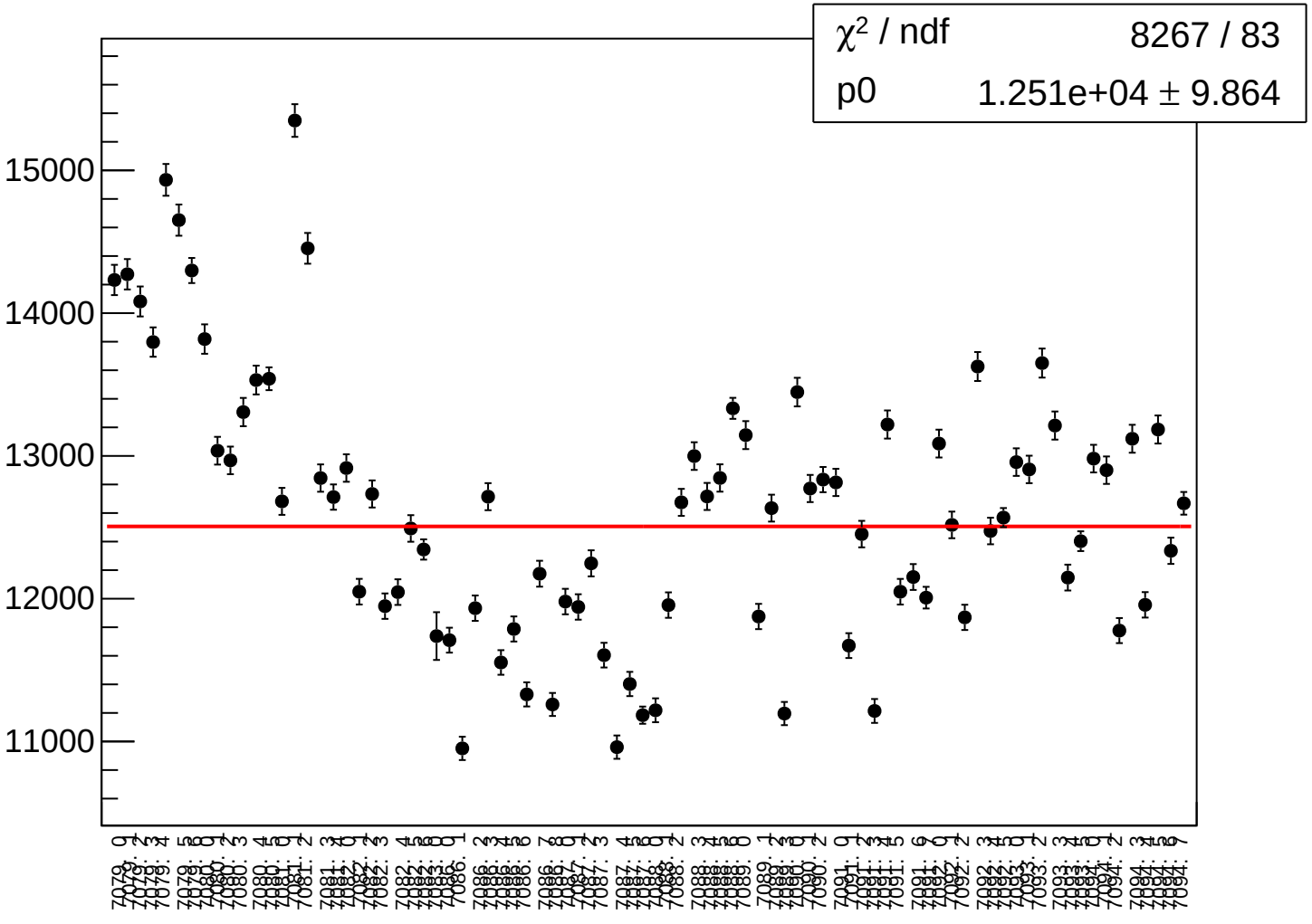

pull1D
Entries 84
Mean 0.0185
Std Dev 0.9964
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

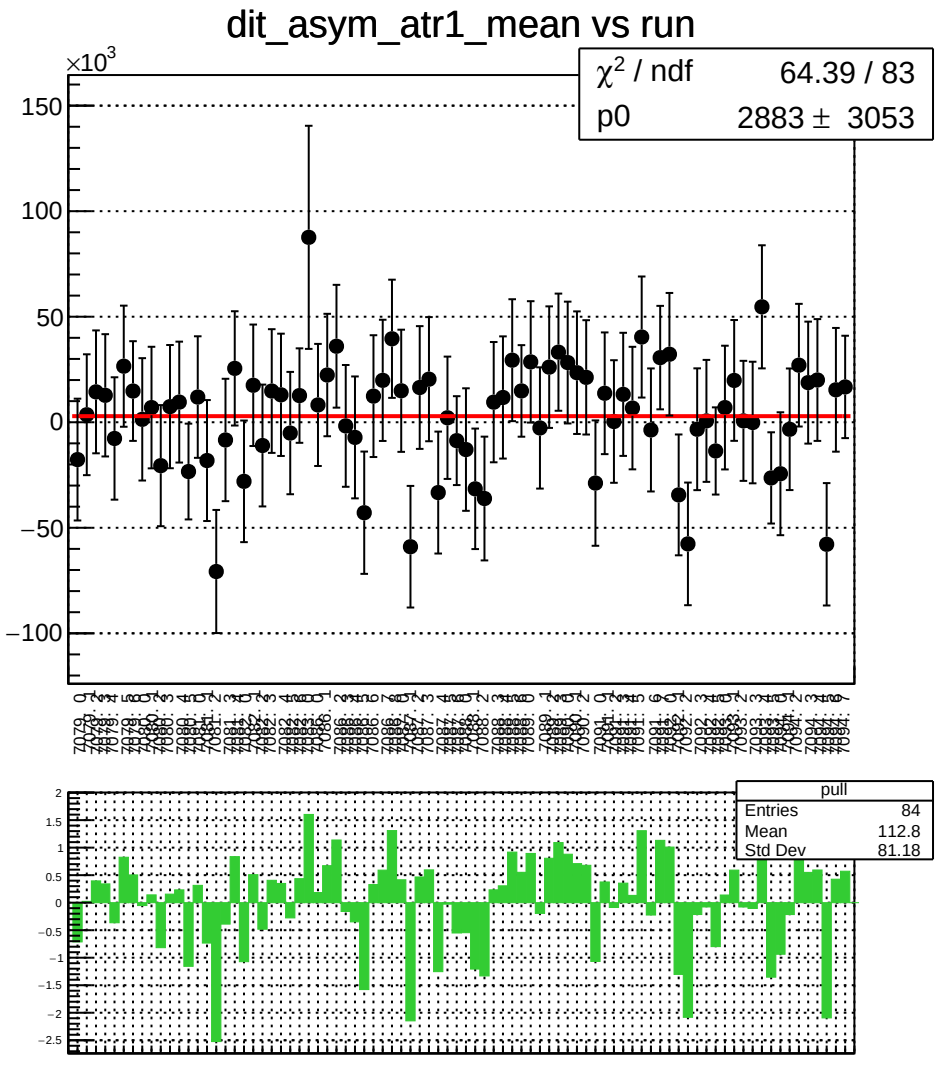

asym_atl2_correction_rms vs run
χ² / ndf 9151 / 83
p0 1.224e+04 ± 9.655
15000
14000
13000
12000
11000

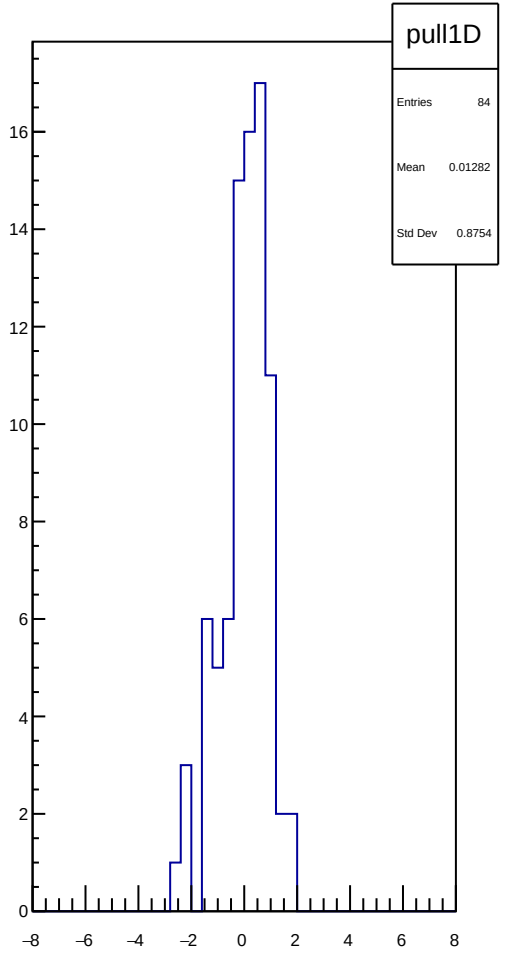

asym_atl2_mean vs run
×10^3
χ² / ndf 79.89 / 83
p0 4752 ± 1.395e+04
pull
Entries 84
Mean −78.53
Std Dev 113.3

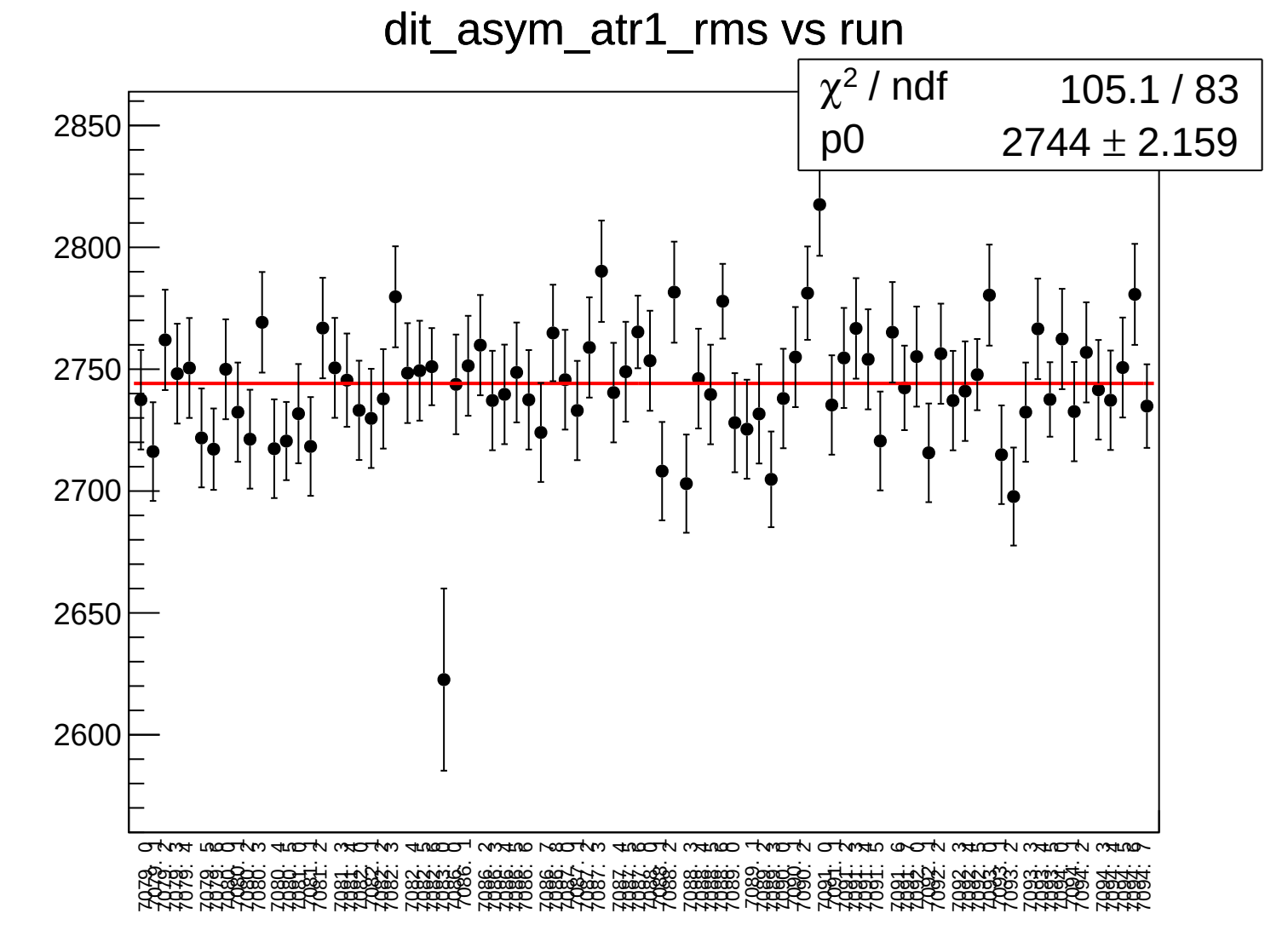

pull1D
Entries 84
Mean −0.01253
Std Dev 0.9752

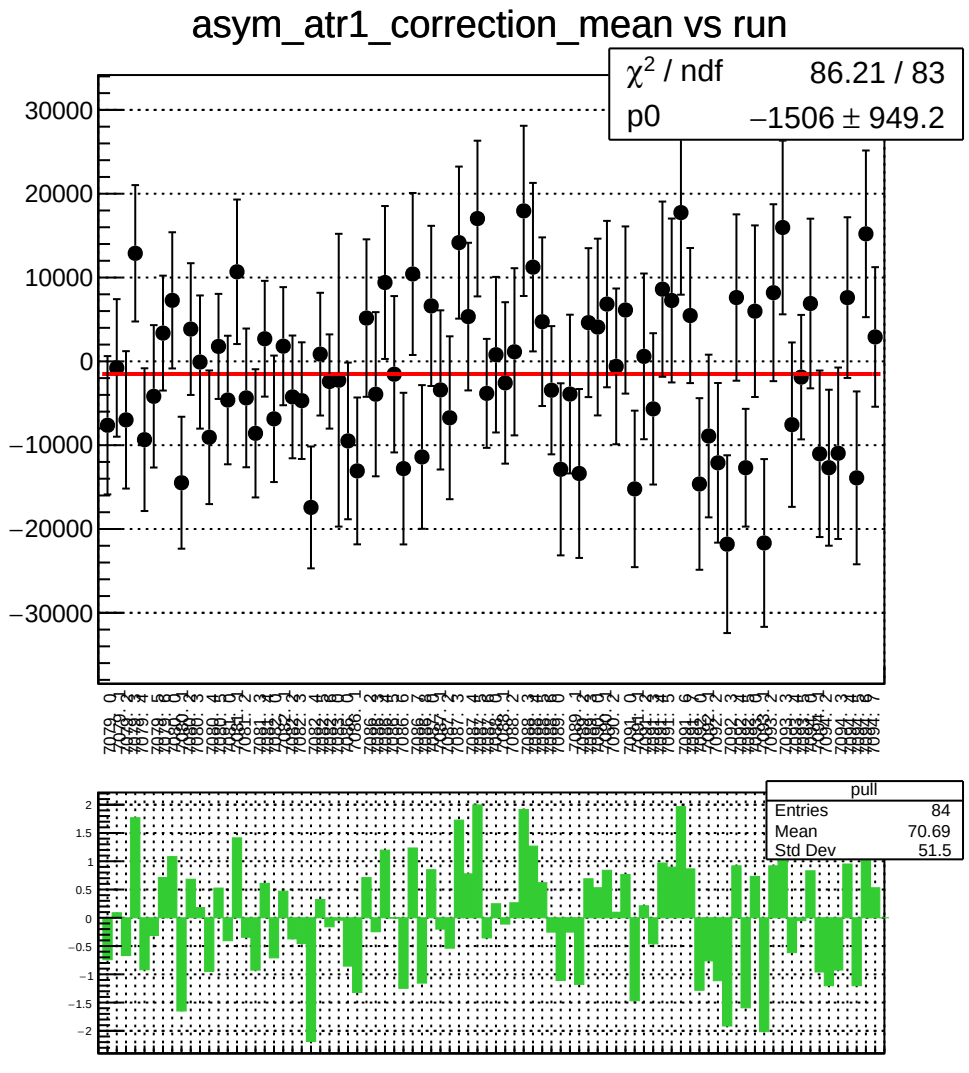
asym_atl2_rms vs run

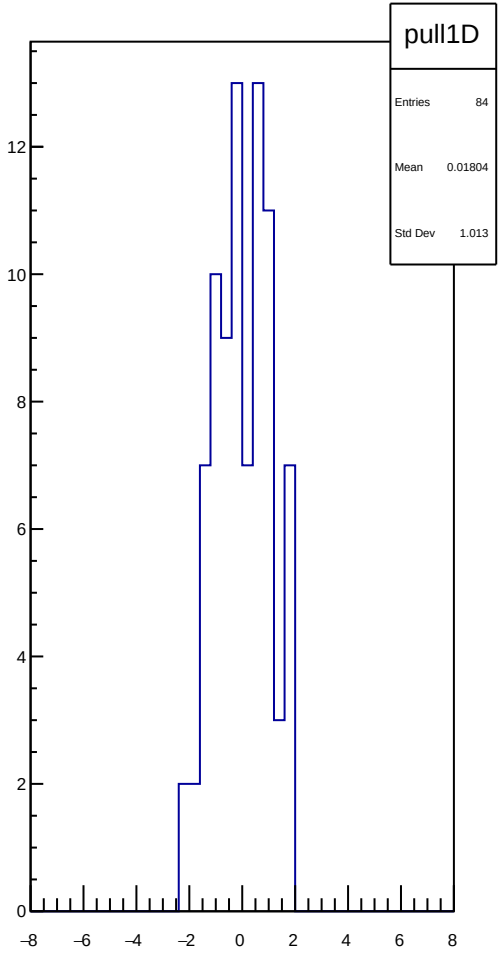


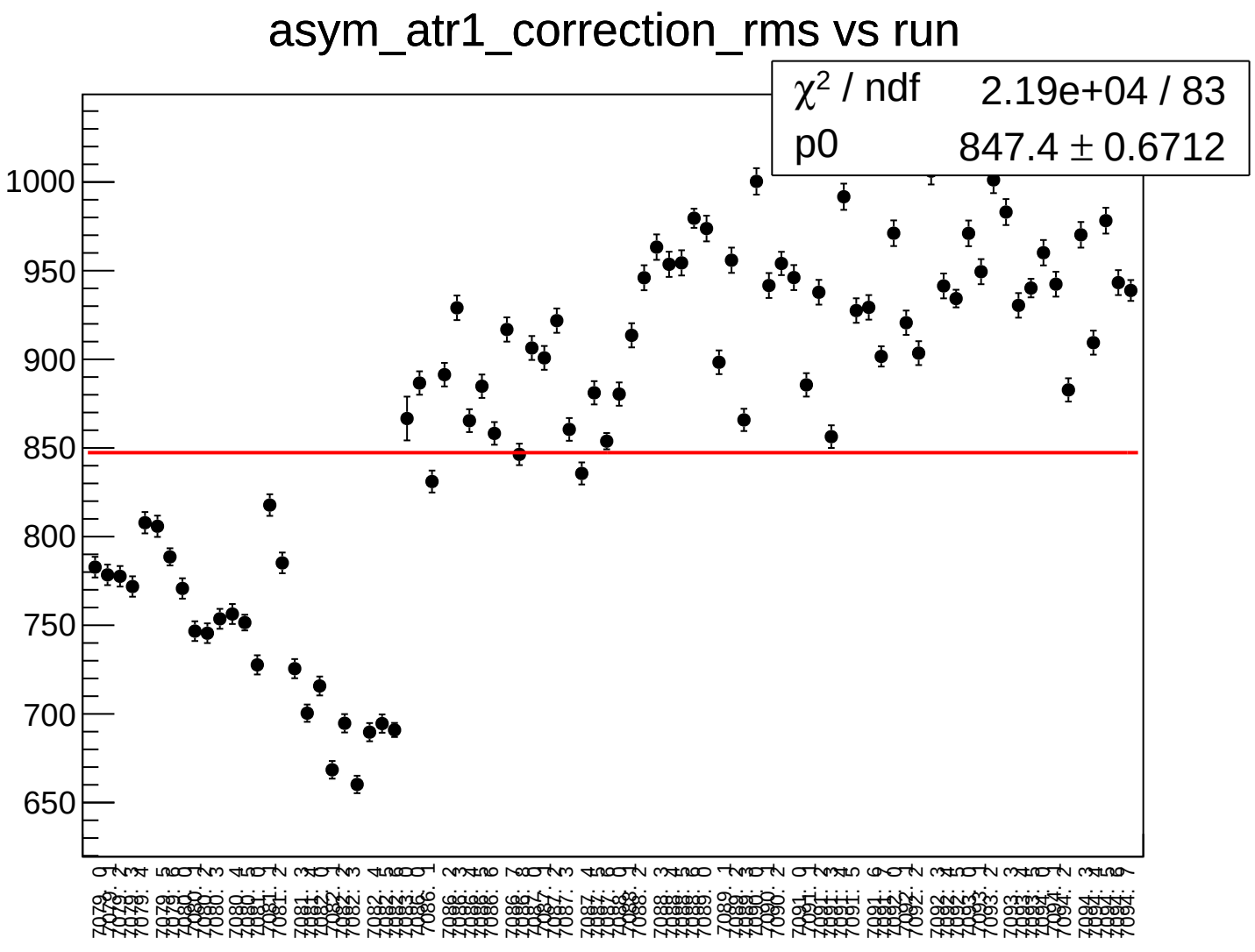

dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 64.39 / 83
p0 2883 ± 3053
150
100
50
0
−50
−100
pull
Entries 84
Mean 112.8
Std Dev 81.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

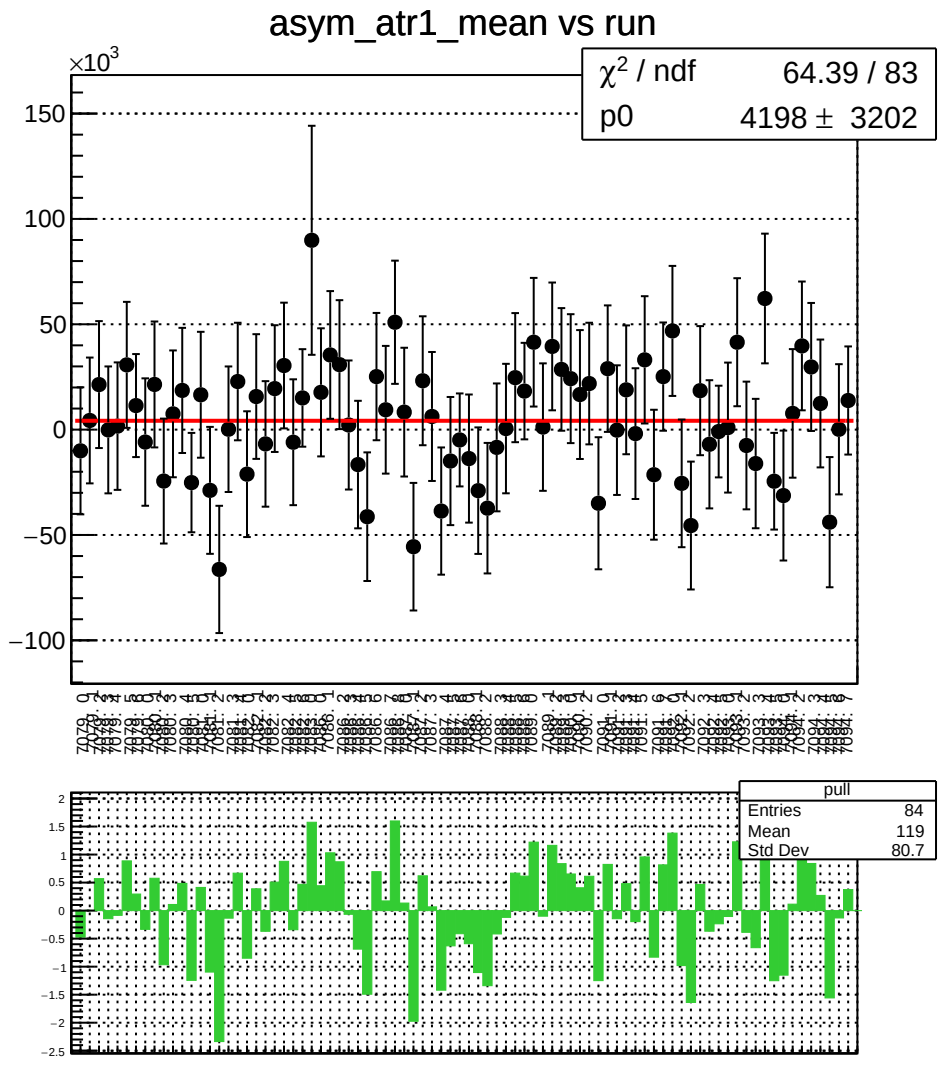

pull1D
Entries 84
Mean 0.01282
Std Dev 0.8754
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

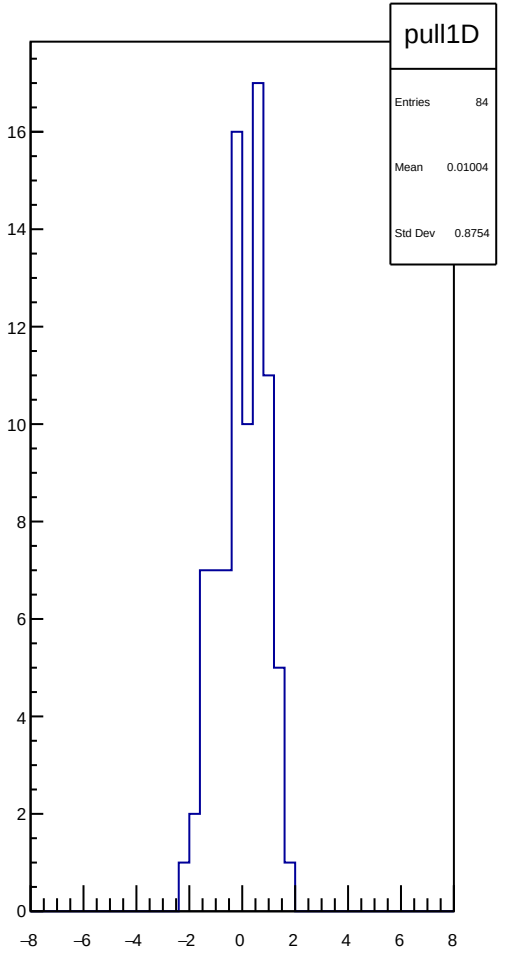

dit_asym_atr1_rms vs run
χ² / ndf 105.1 / 83
p0 2744 ± 2.159
2850
2800
2750
2700
2650
2600

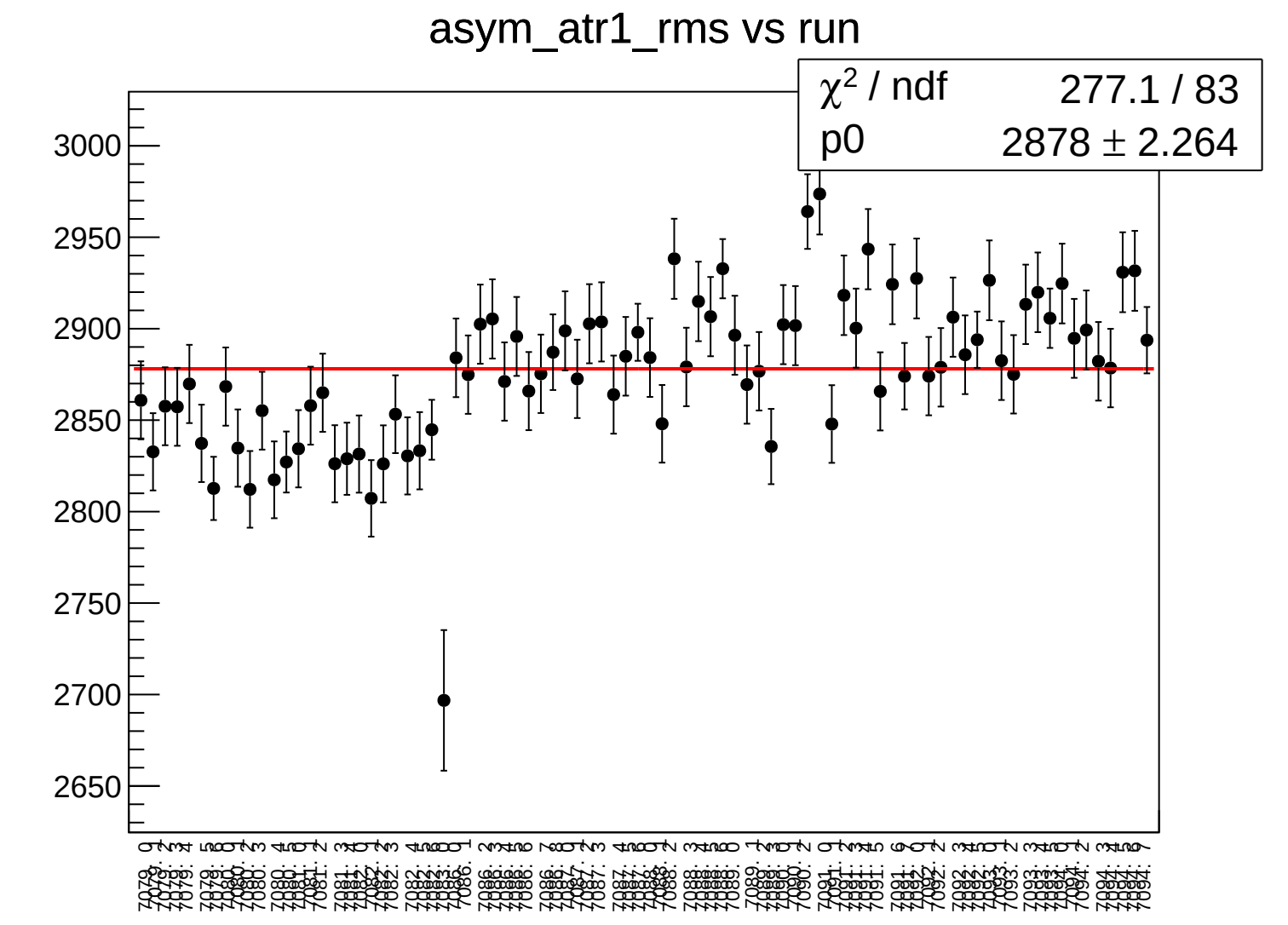

asym_atr1_correction_mean vs run
χ² / ndf 86.21 / 83
p0 −1506 ± 949.2
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 70.69
Std Dev 51.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

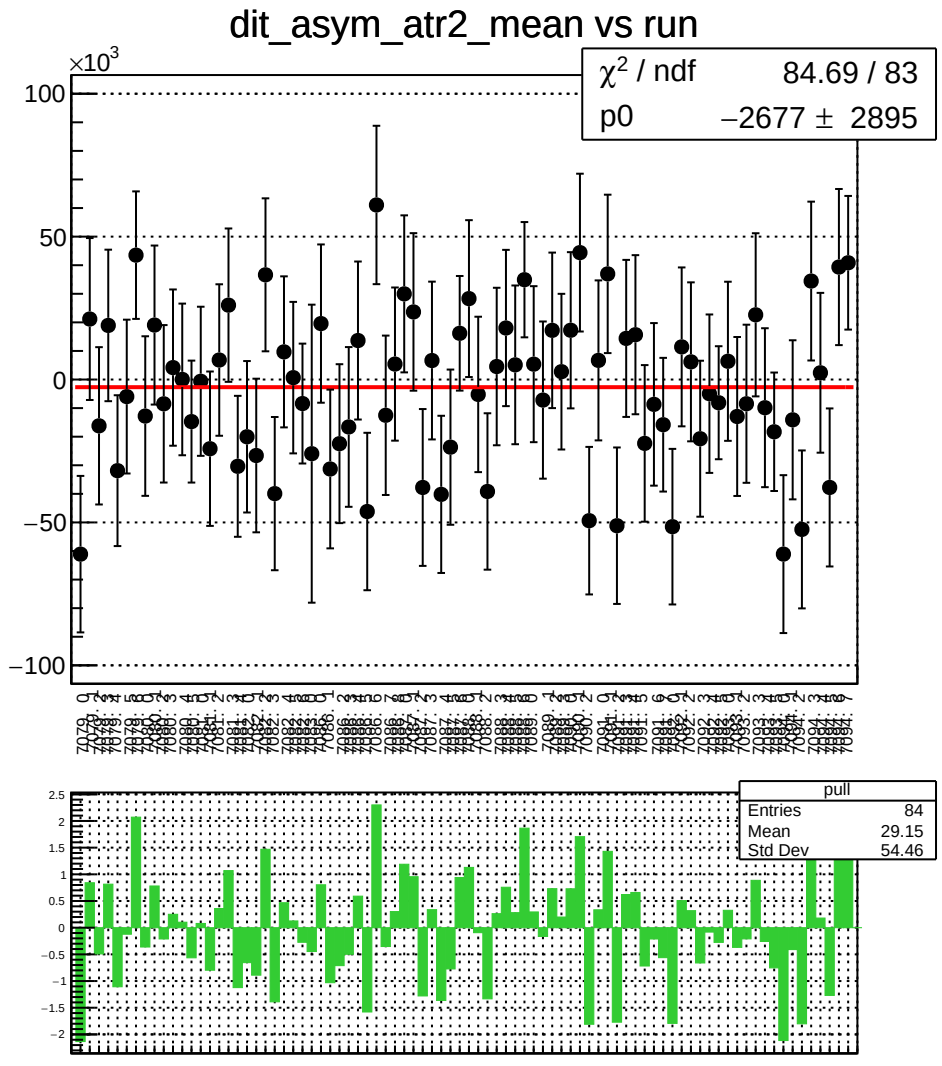

pull1D
Entries 84
Mean 0.01804
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

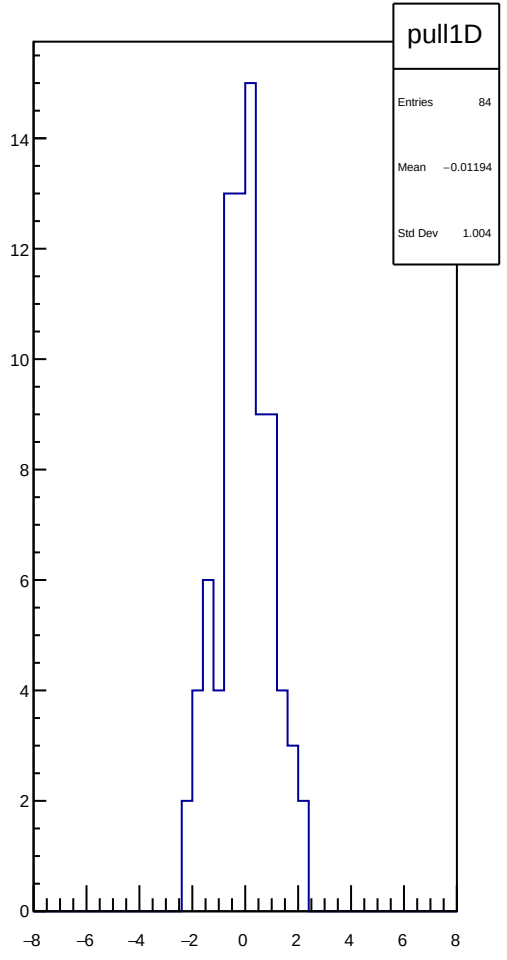

asym_atr1_correction_rms vs run
χ² / ndf 2.19e+04 / 83
p0 847.4 ± 0.6712
1000
950
900
850
800
750
700
650

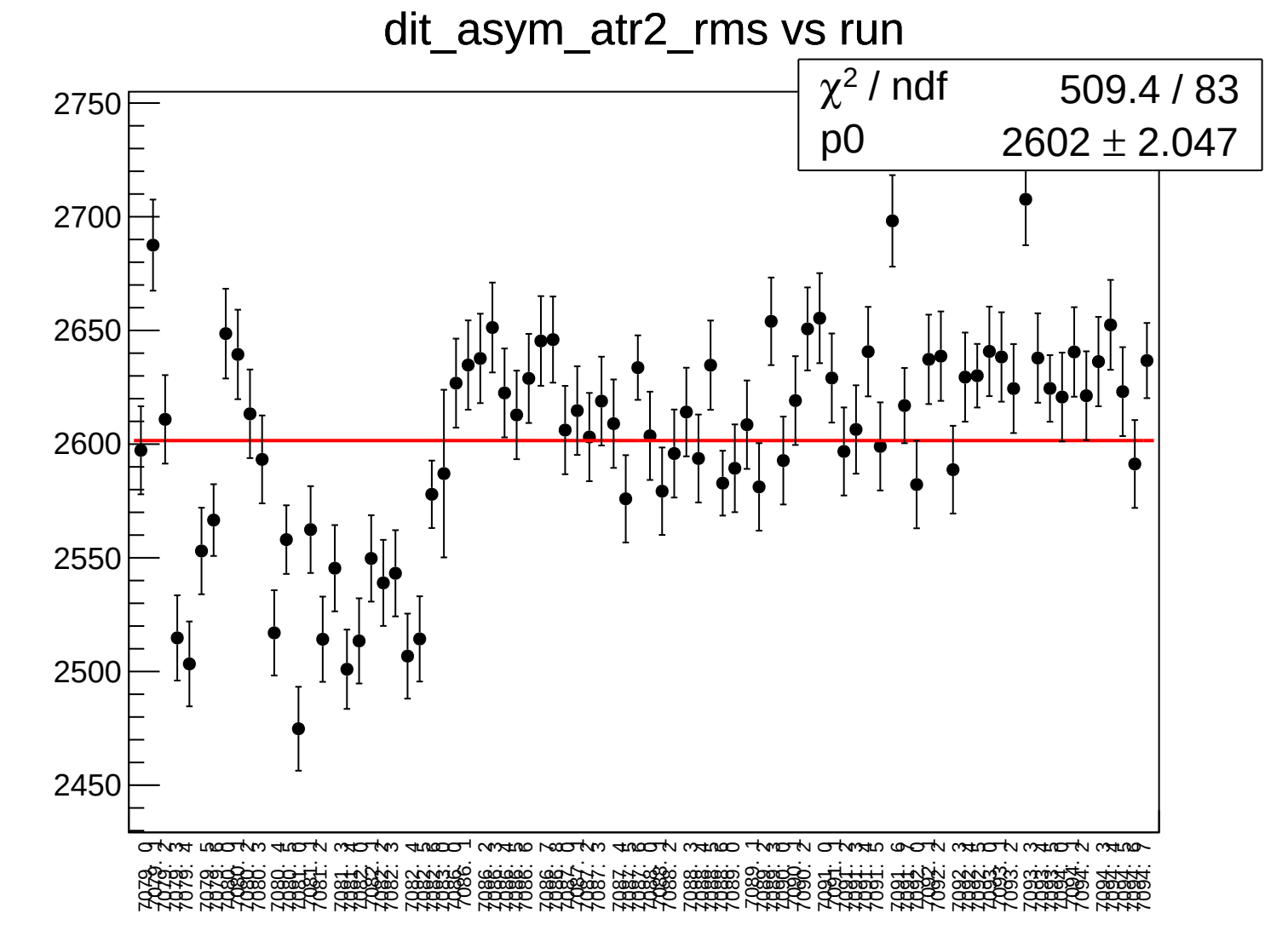

asym_atr1_mean vs run
×10^3
χ^2 / ndf 64.39 / 83
p0 4198 ± 3202
150
100
50
0
−50
−100
pull
Entries 84
Mean 119
Std Dev 80.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

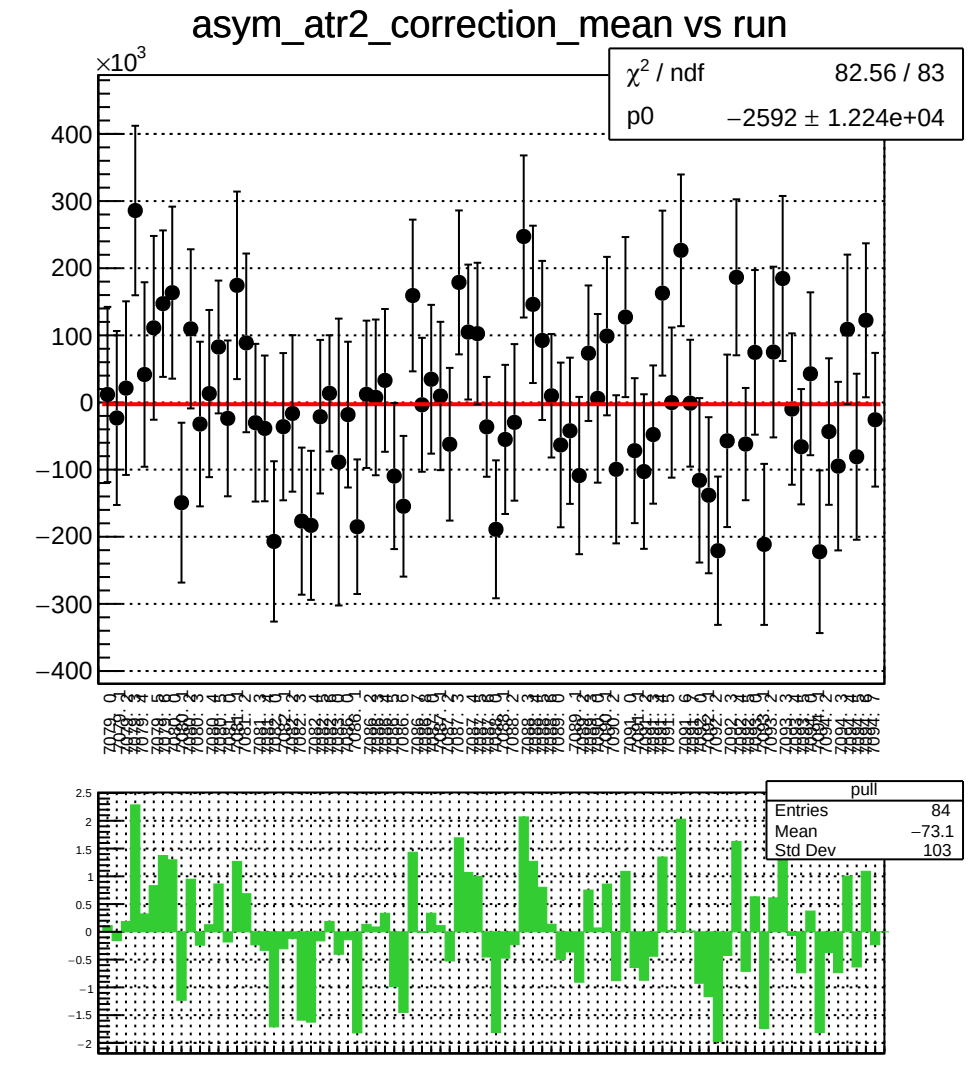

pull1D
Entries 84
Mean 0.01004
Std Dev 0.8754
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

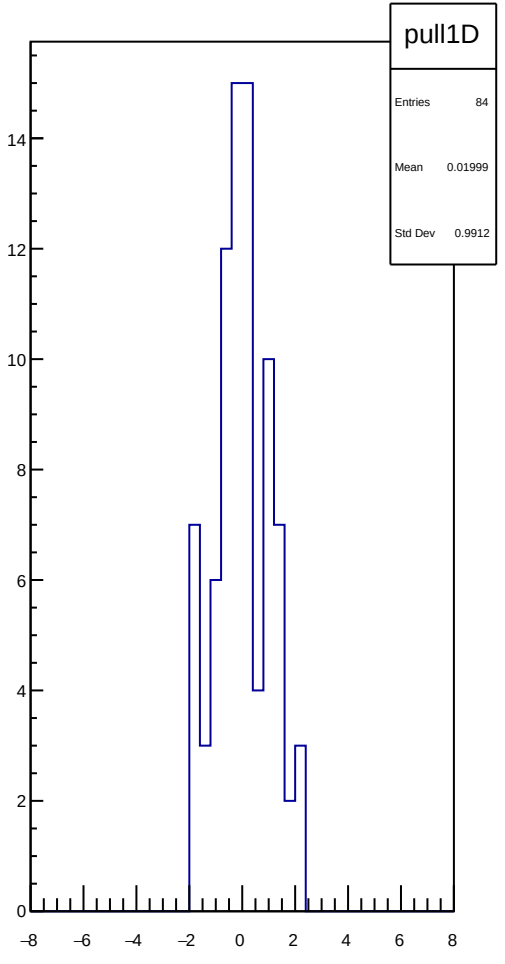

asym_atr1_rms vs run
χ² / ndf 277.1 / 83
p0 2878 ± 2.264
3000
2950
2900
2850
2800
2750
2700
2650


dit_asym_atr2_mean vs run
×10^3
χ² / ndf 84.69 / 83
p0 −2677 ± 2895
100
50
0
−50
−100
pull
Entries 84
Mean 29.15
Std Dev 54.46
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

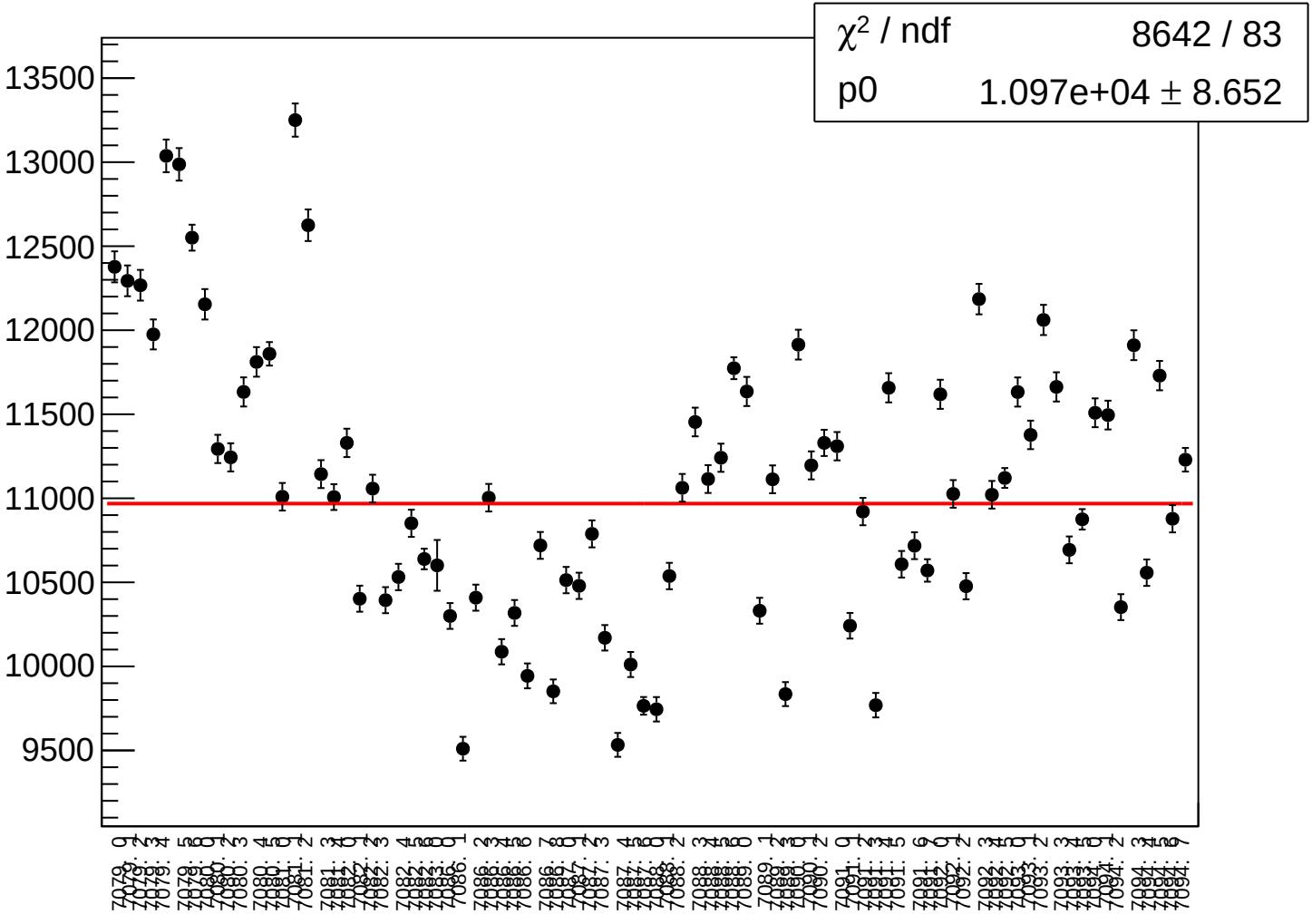

pull1D
Entries 84
Mean −0.01194
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

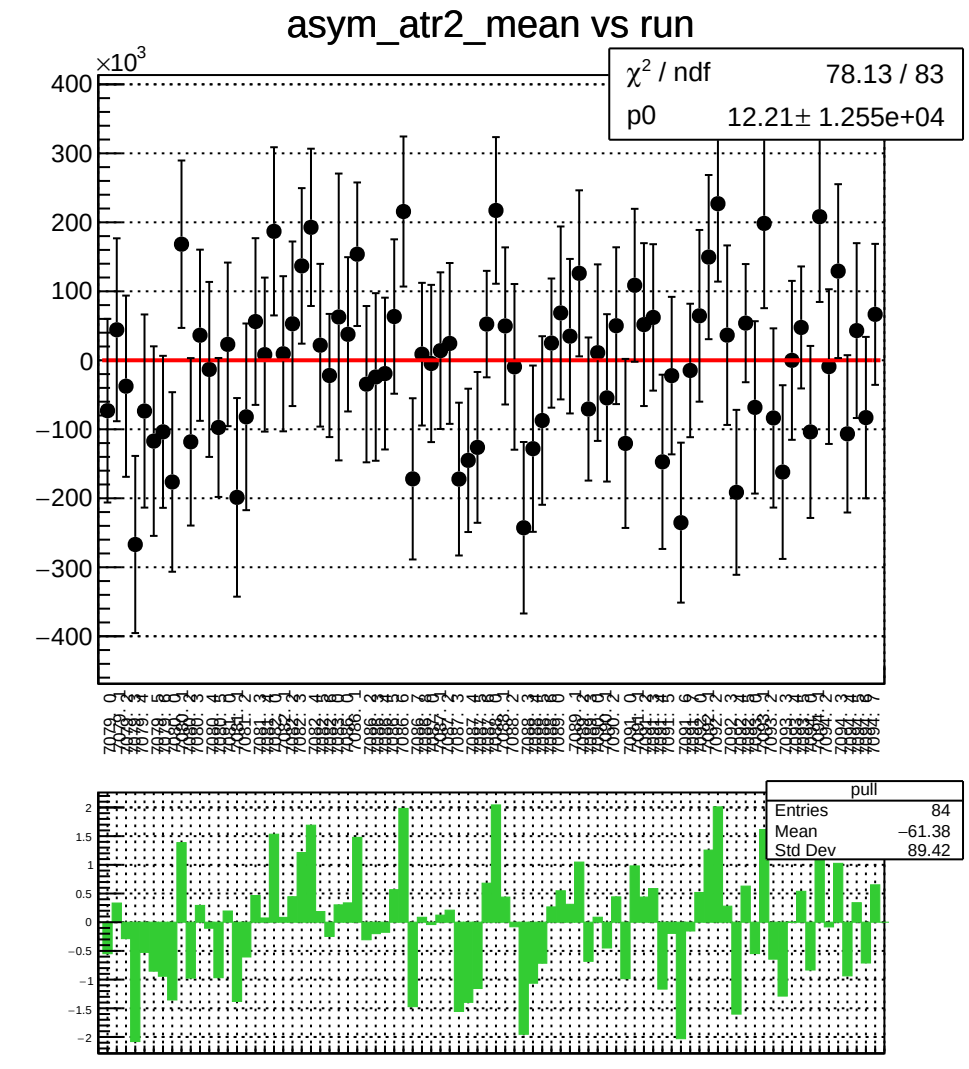

dit_asym_atr2_rms vs run
χ² / ndf 509.4 / 83
p0 2602 ± 2.047
2750
2700
2650
2600
2550
2500
2450

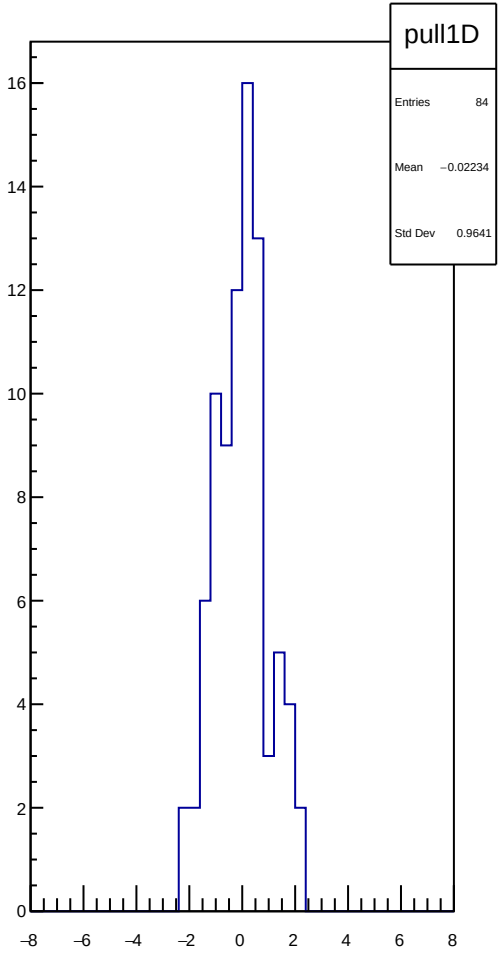

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 82.56 / 83
p0 −2592 ± 1.224e+04
pull
Entries 84
Mean −73.1
Std Dev 103

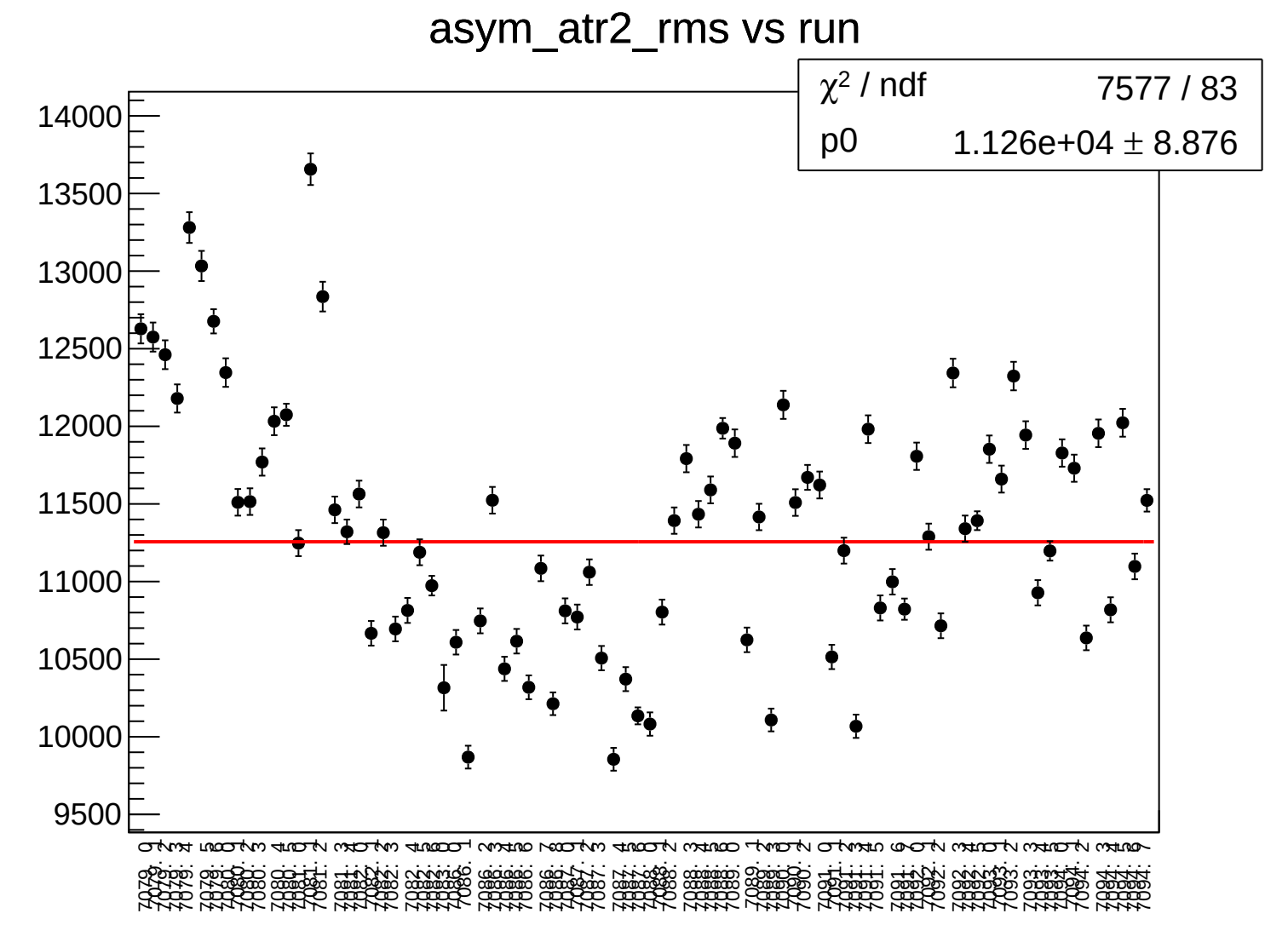

pull1D
Entries 84
Mean 0.01999
Std Dev 0.9912

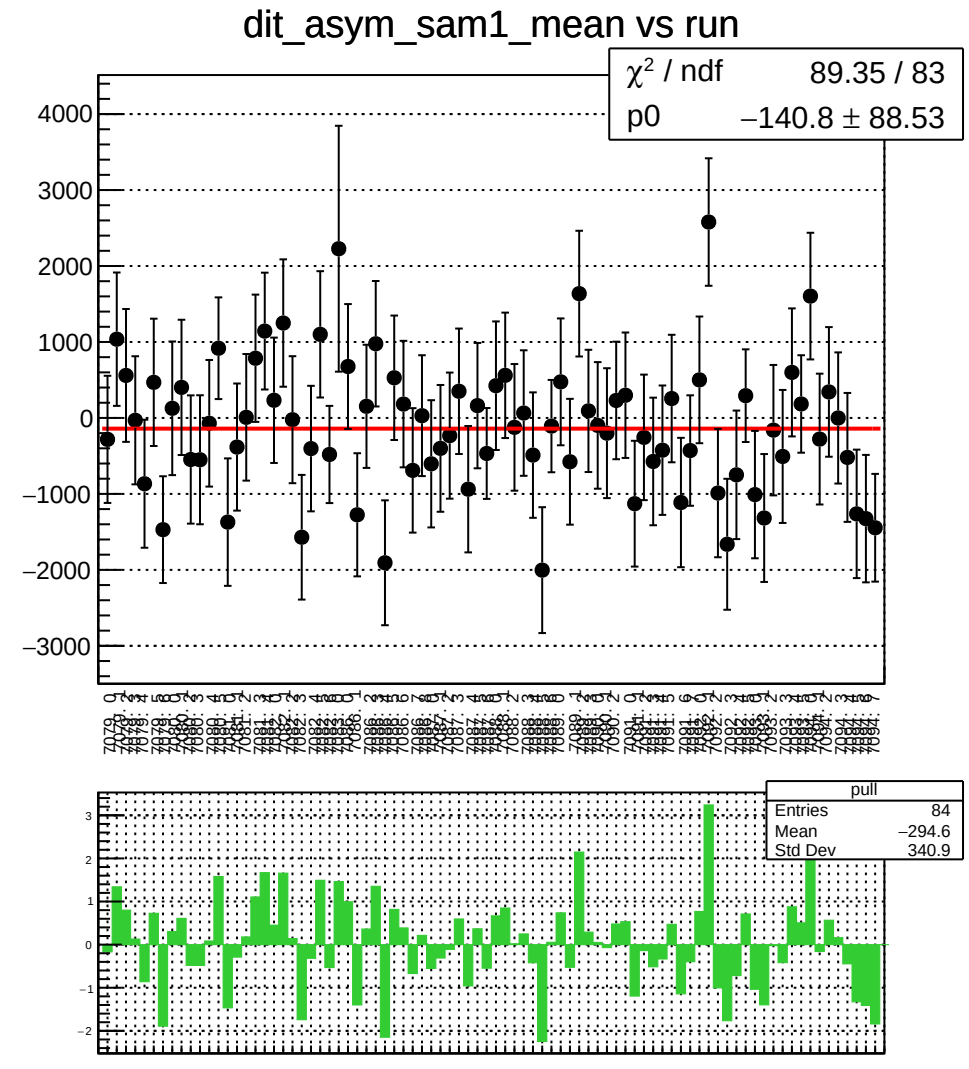
asym_atr2_correction_rms vs run

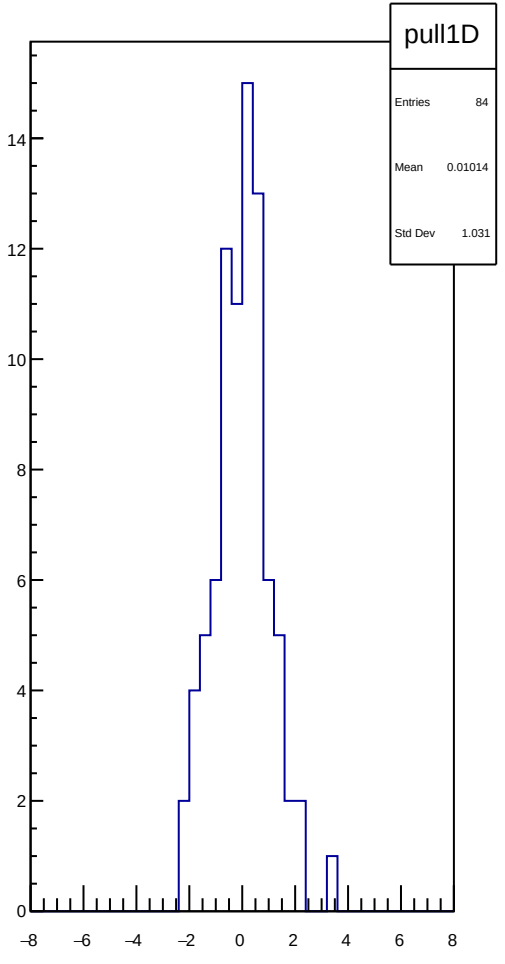


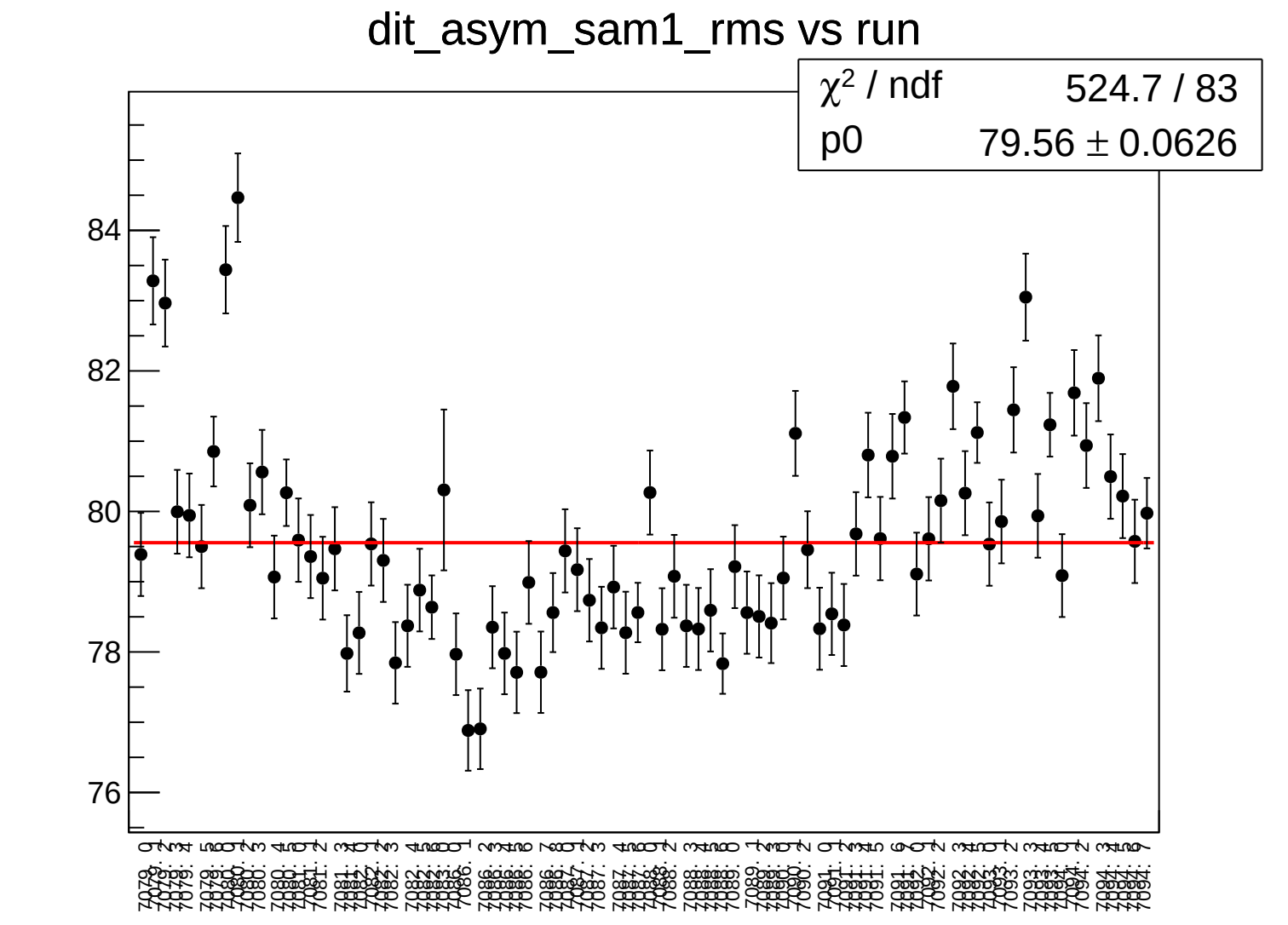

asym_atr2_mean vs run
×10^3
χ² / ndf 78.13 / 83
p0 12.21± 1.255e+04
pull
Entries 84
Mean −61.38
Std Dev 89.42

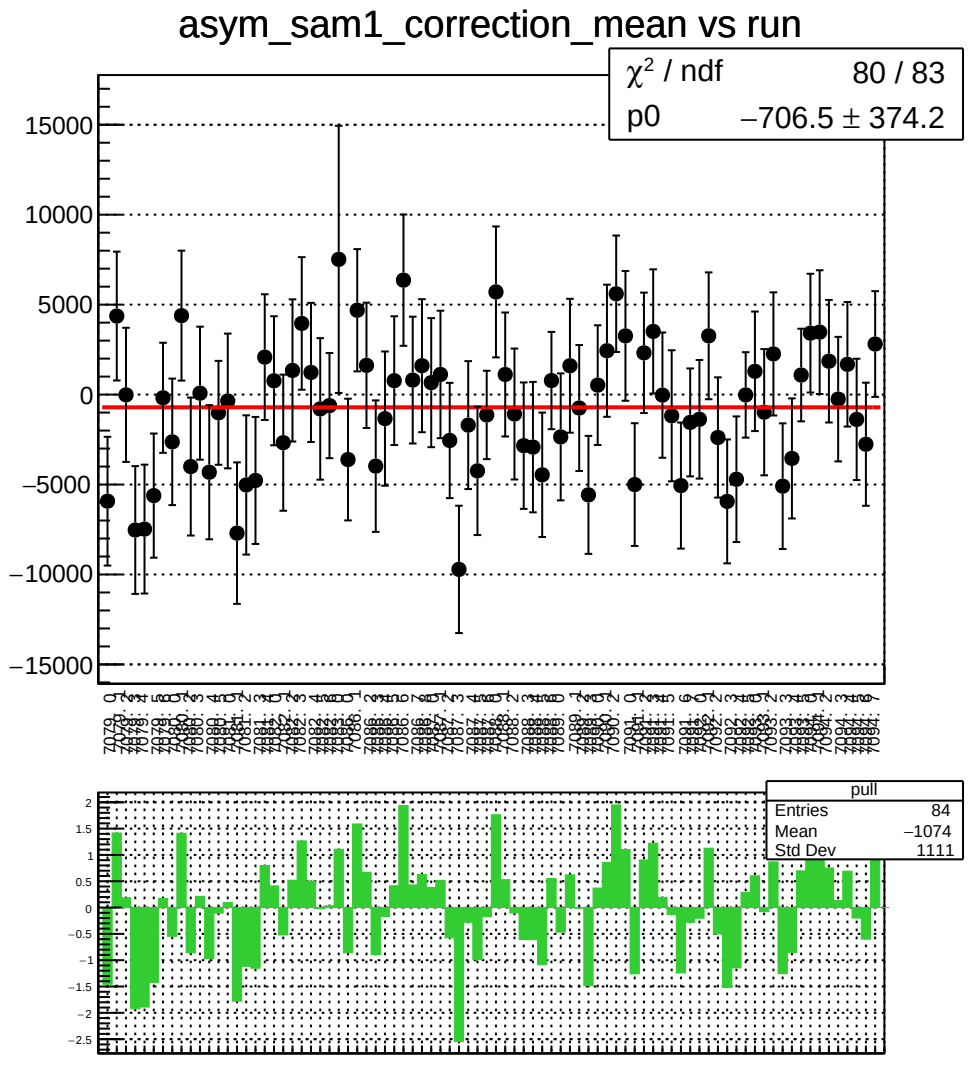

pull1D
Entries 84
Mean −0.02234
Std Dev 0.9641

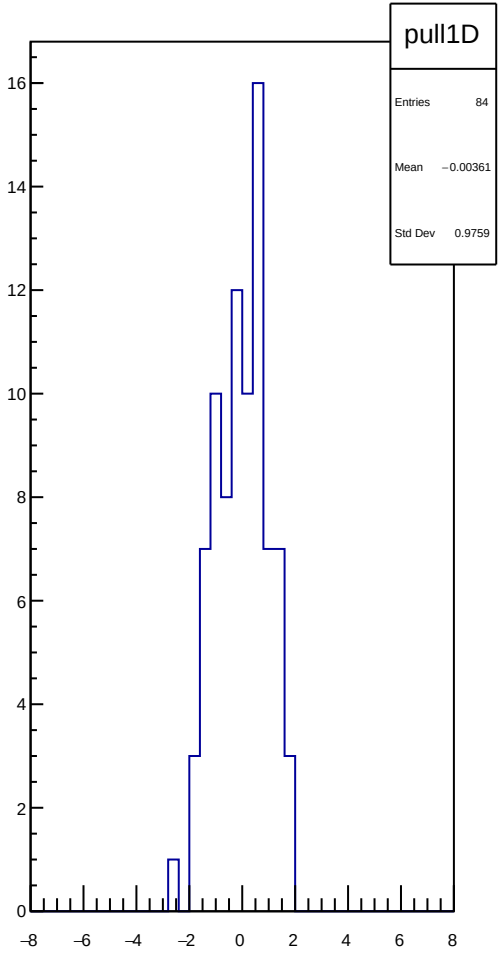

asym_atr2_rms vs run
χ² / ndf 7577 / 83
p0 1.126e+04 ± 8.876
14000
13500
13000
12500
12000
11500
11000
10500
10000
9500

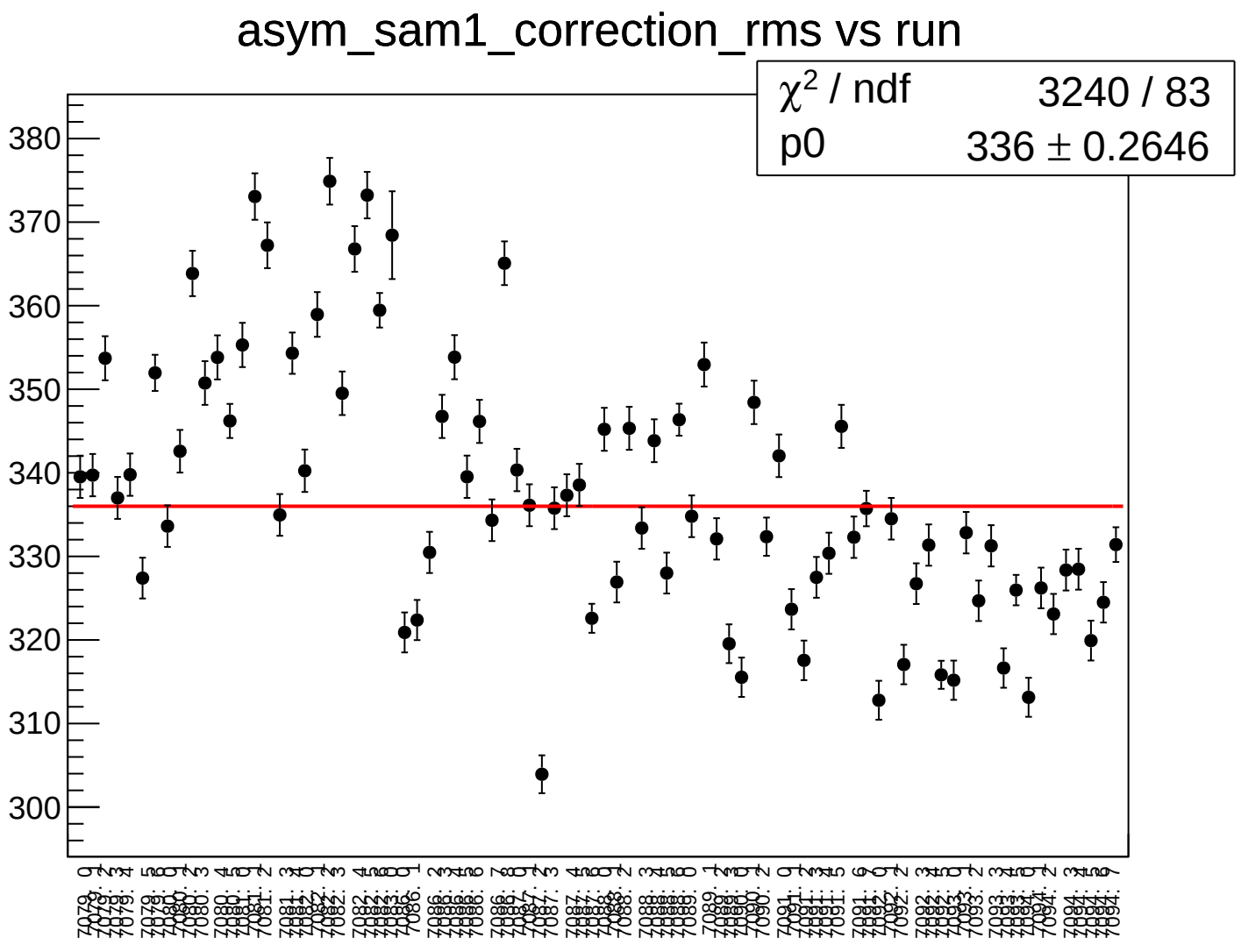

dit_asym_sam1_mean vs run
χ² / ndf 89.35 / 83
p0 −140.8 ± 88.53
pull
Entries 84
Mean −294.6
Std Dev 340.9

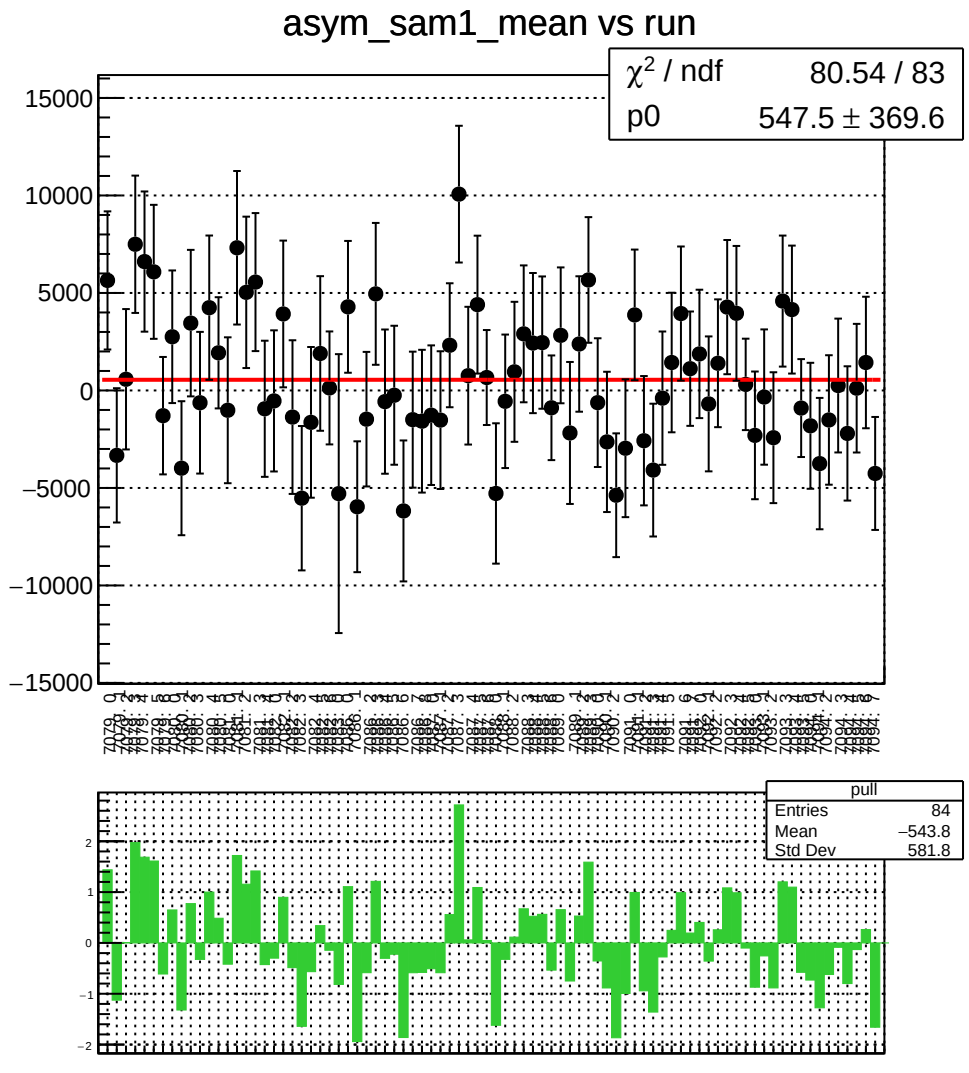

pull1D
Entries 84
Mean 0.01014
Std Dev 1.031

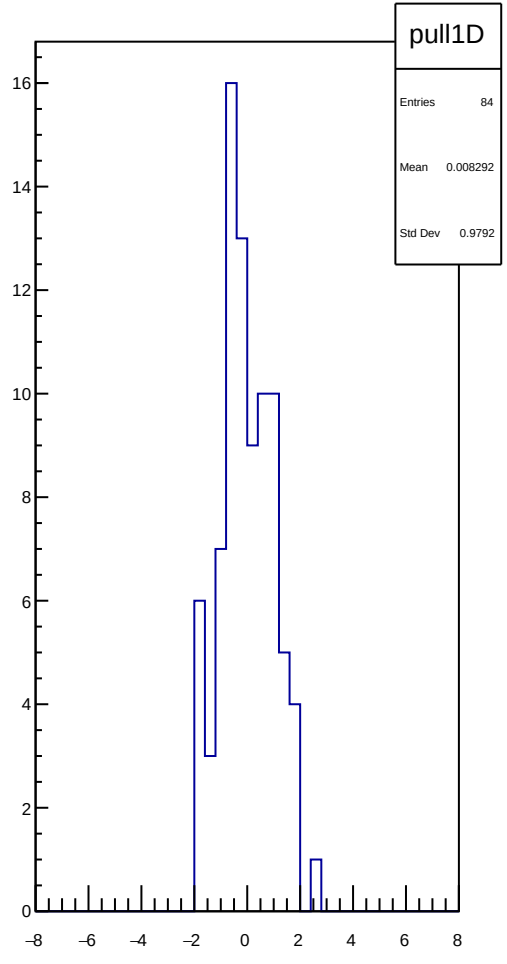

dit_asym_sam1_rms vs run
χ² / ndf 524.7 / 83
p0 79.56 ± 0.0626
84
82
80
78
76

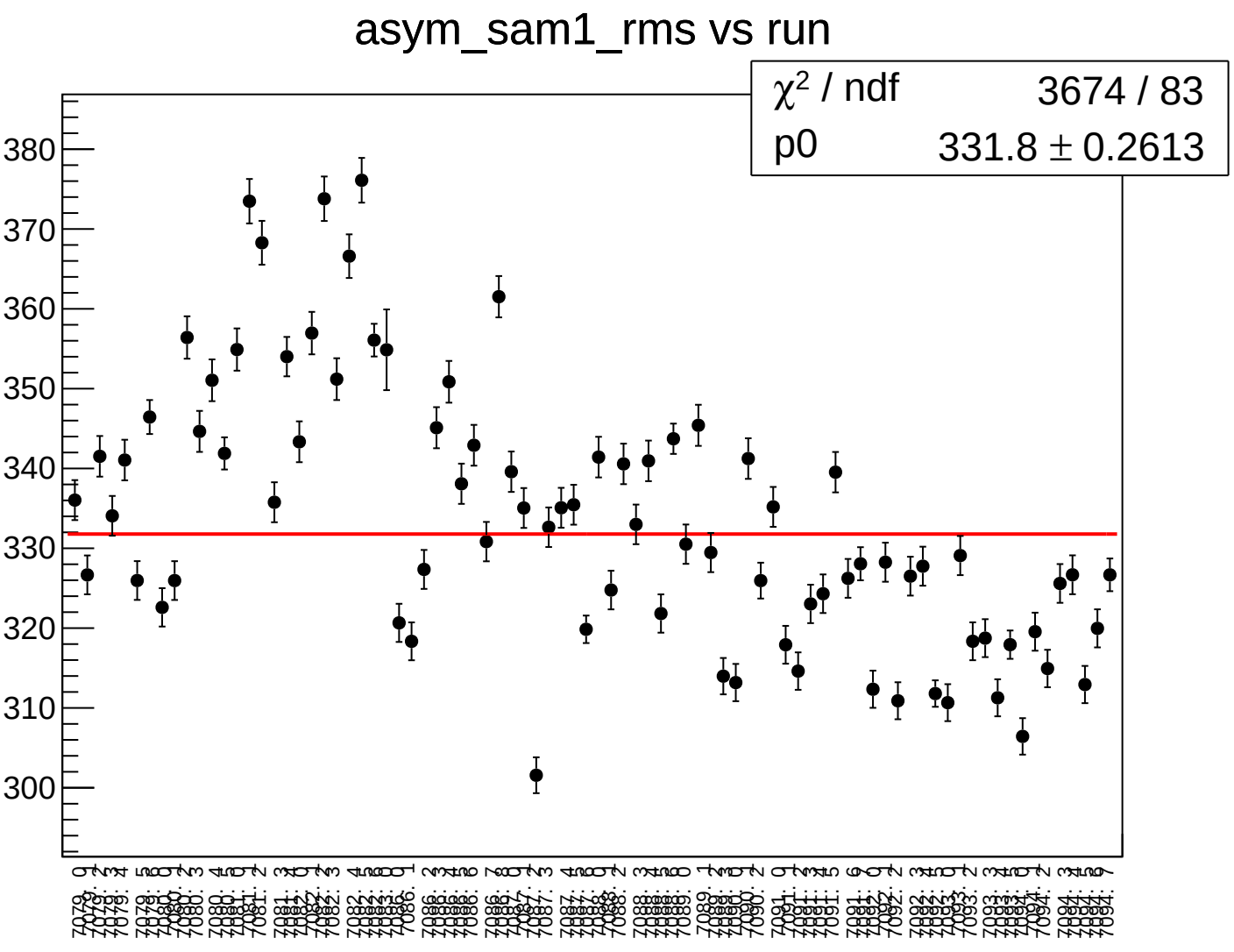

asym_sam1_correction_mean vs run
χ² / ndf 80 / 83
p0 −706.5 ± 374.2
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −1074
Std Dev 1111
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

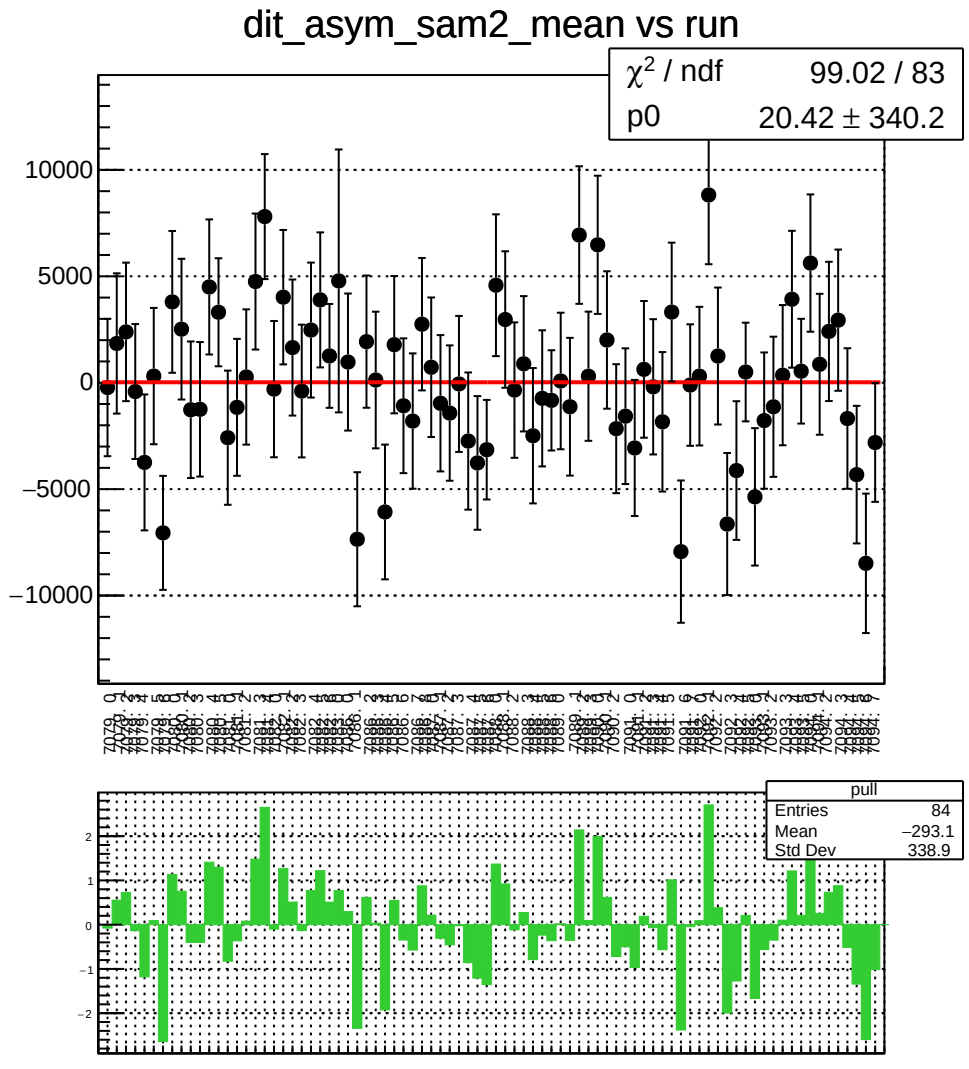

pull1D
Entries 84
Mean −0.00361
Std Dev 0.9759
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

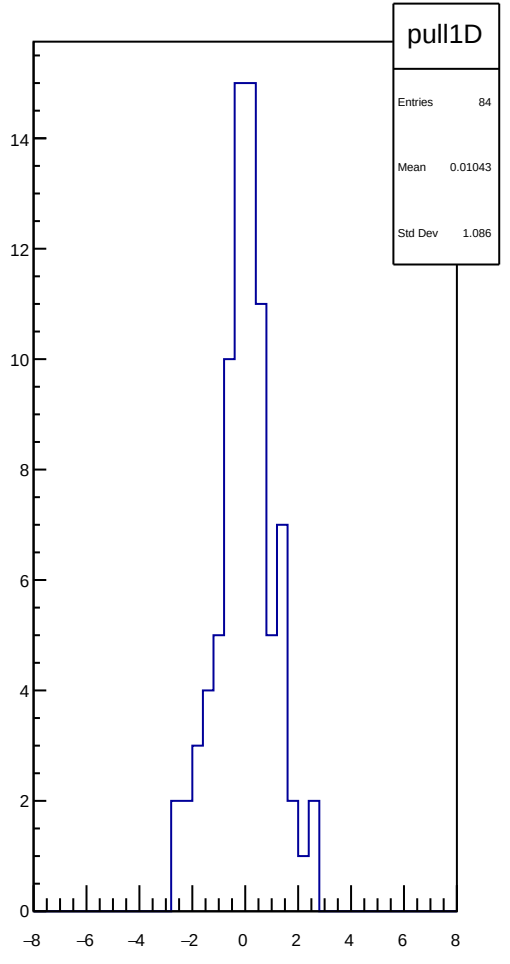

asym_sam1_correction_rms vs run
χ² / ndf 3240 / 83
p0 336 ± 0.2646
380
370
360
350
340
330
320
310
300

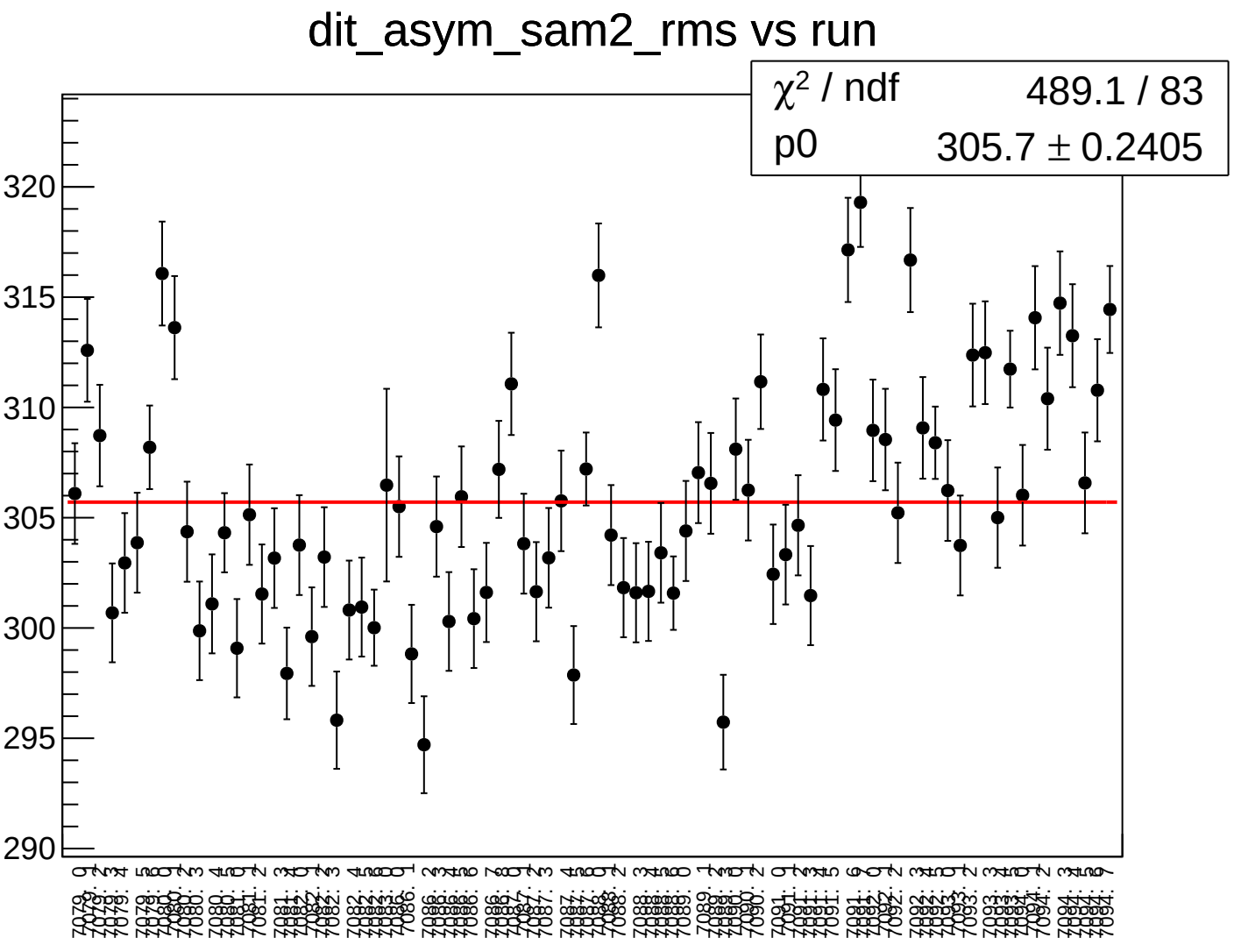

asym_sam1_mean vs run
χ² / ndf 80.54 / 83
p0 547.5 ± 369.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −543.8
Std Dev 581.8
2
1
0
−1
−2

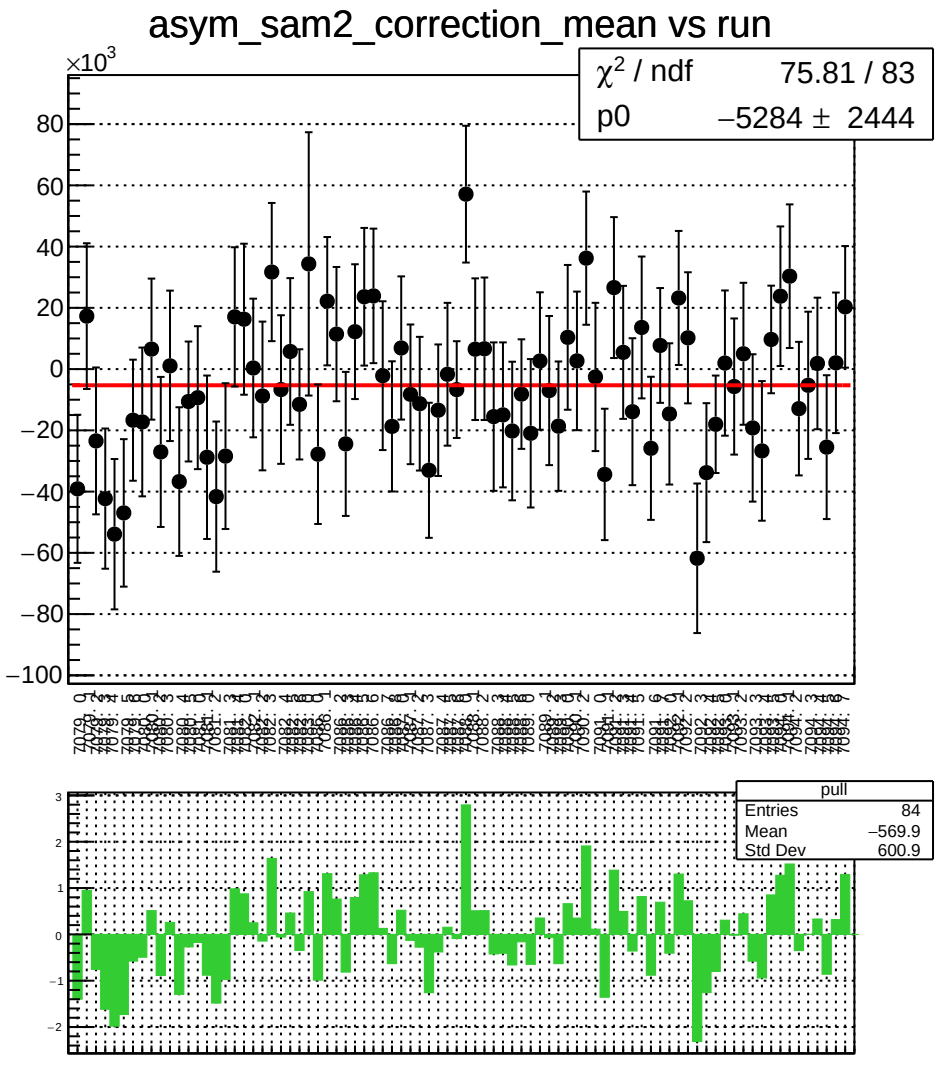

pull1D
Entries 84
Mean 0.008292
Std Dev 0.9792
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

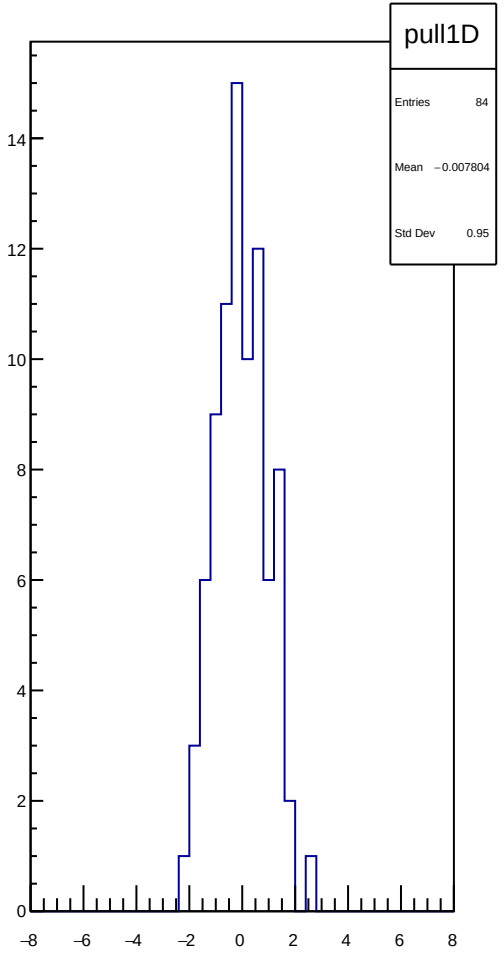

asym_sam1_rms vs run
χ² / ndf 3674 / 83
p0 331.8 ± 0.2613
380
370
360
350
340
330
320
310
300

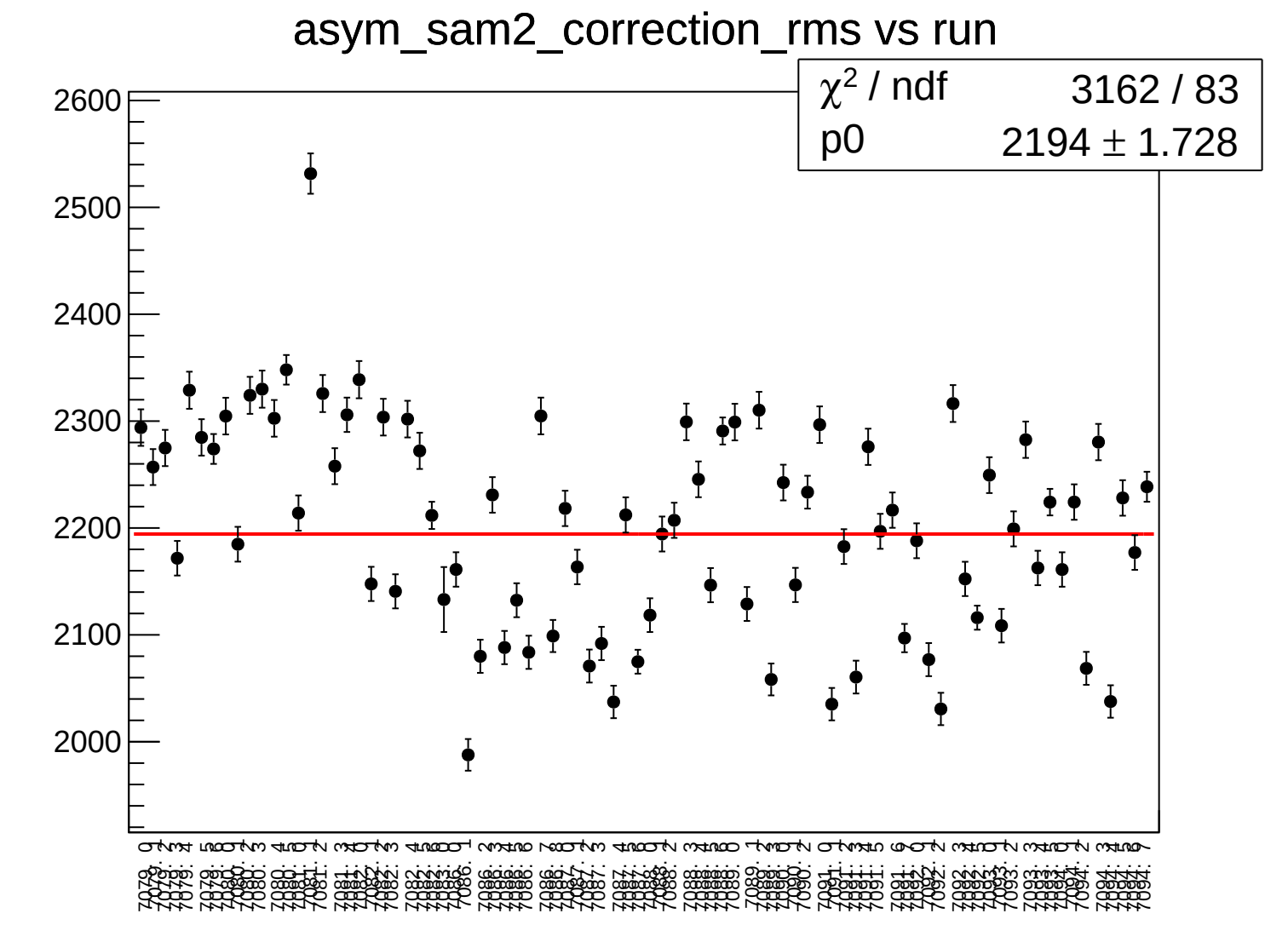

dit_asym_sam2_mean vs run
χ² / ndf 99.02 / 83
p0 20.42 ± 340.2
10000
5000
0
−5000
−10000
pull
Entries 84
Mean −293.1
Std Dev 338.9
2
1
0
−1
−2

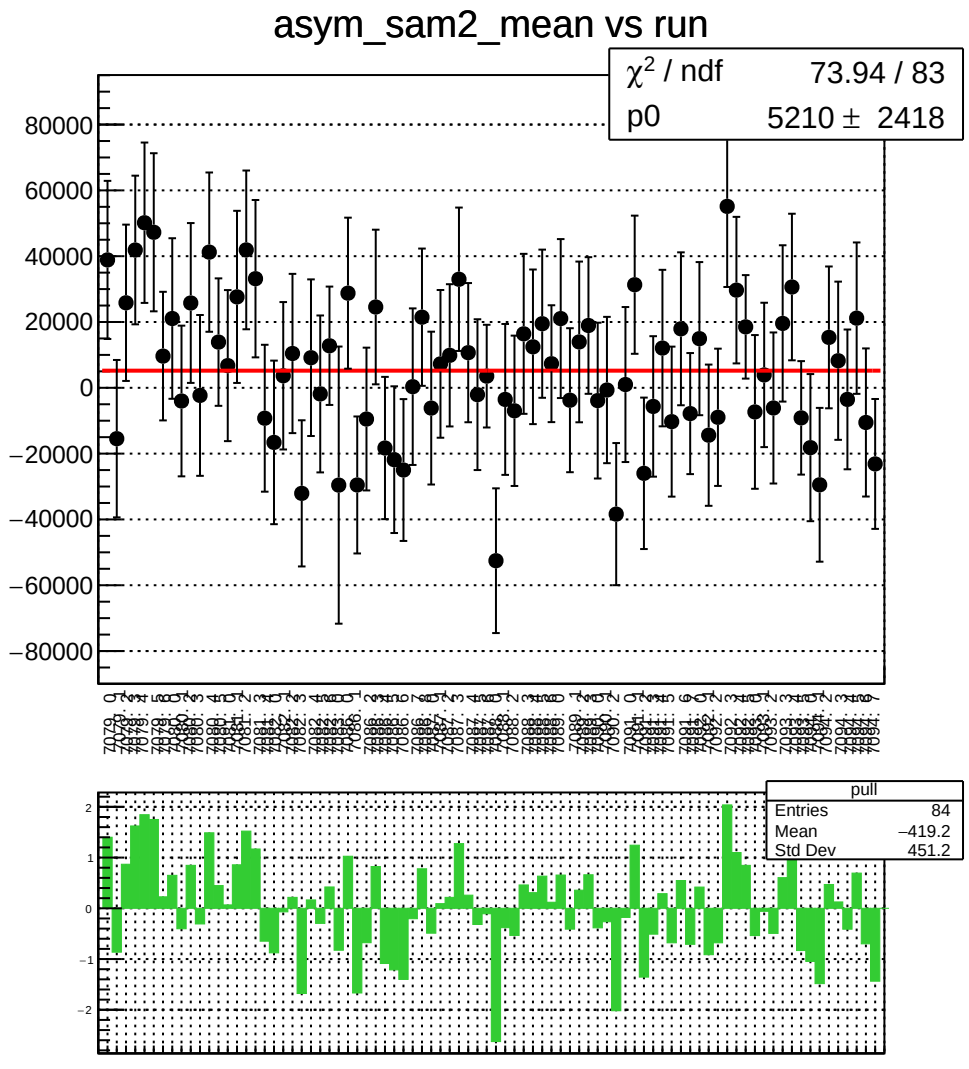

pull1D
Entries 84
Mean 0.01043
Std Dev 1.086
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

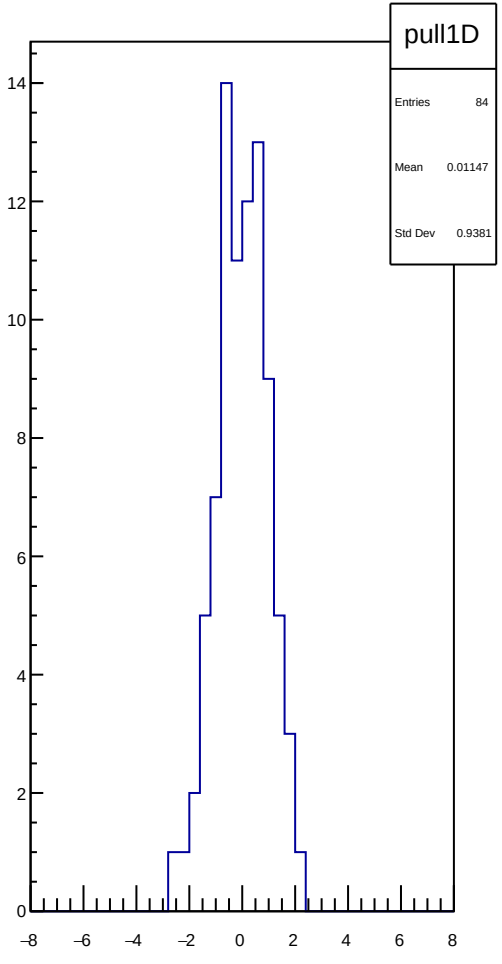

dit_asym_sam2_rms vs run
χ² / ndf 489.1 / 83
p0 305.7 ± 0.2405
320
315
310
305
300
295
290

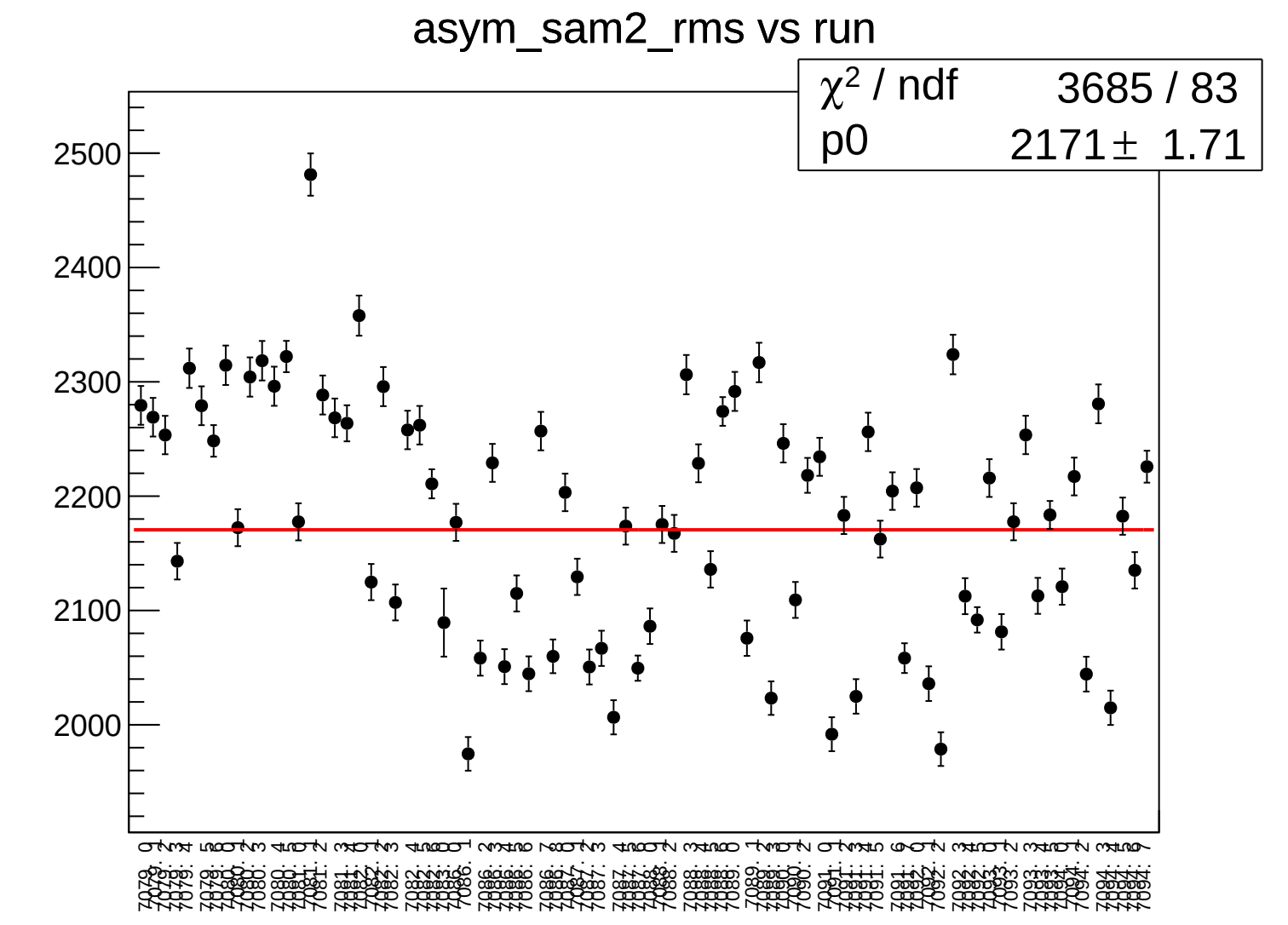

asym_sam2_correction_mean vs run
χ² / ndf 75.81 / 83
p0 −5284 ± 2444
×10³
pull
Entries 84
Mean −569.9
Std Dev 600.9

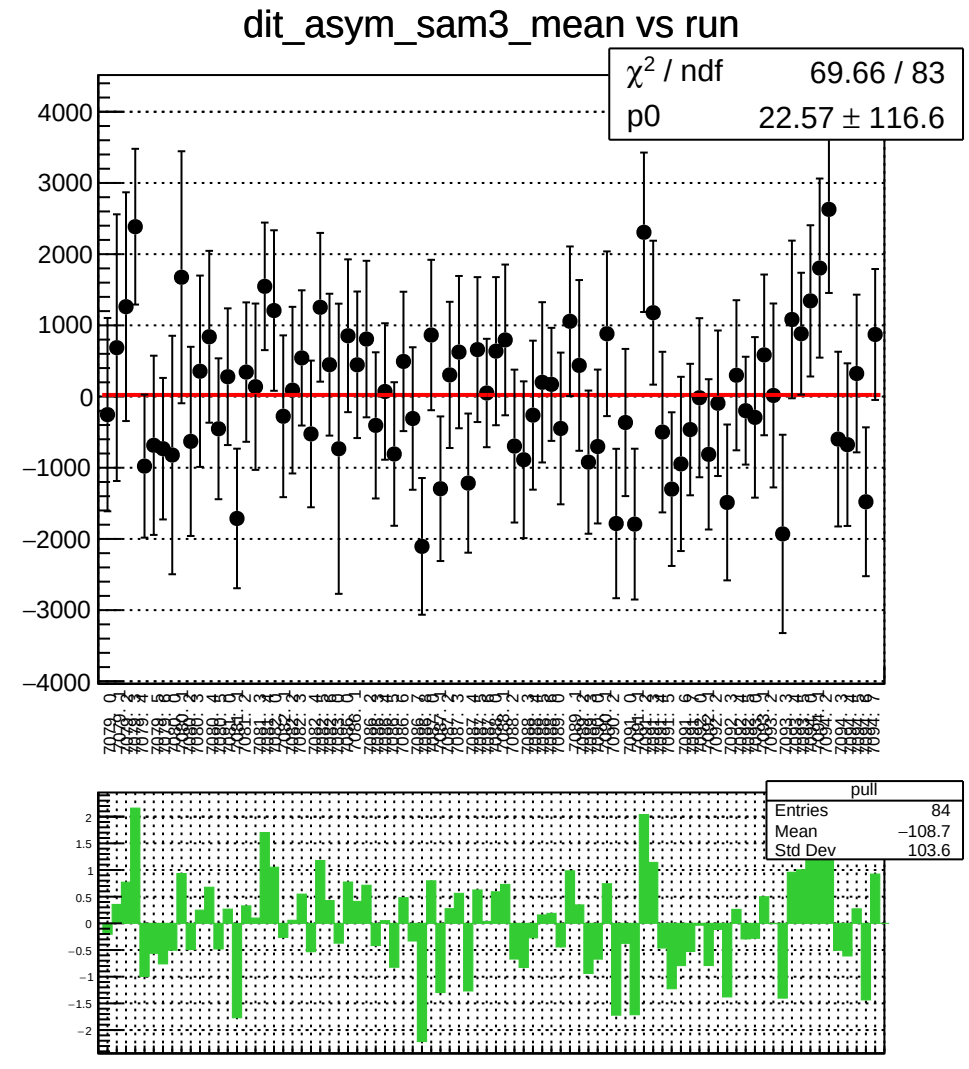

pull1D
Entries 84
Mean −0.007804
Std Dev 0.95

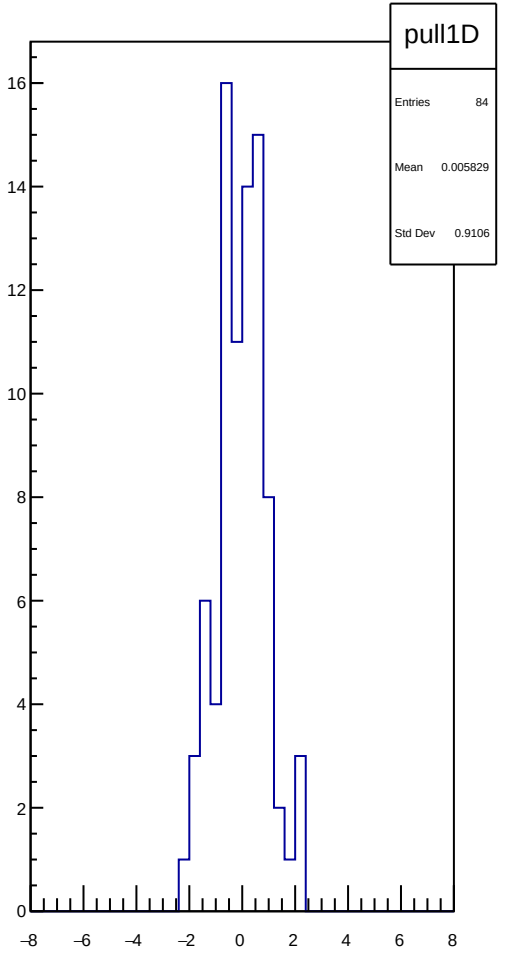

asym_sam2_correction_rms vs run
χ² / ndf 3162 / 83
p0 2194 ± 1.728
2600
2500
2400
2300
2200
2100
2000

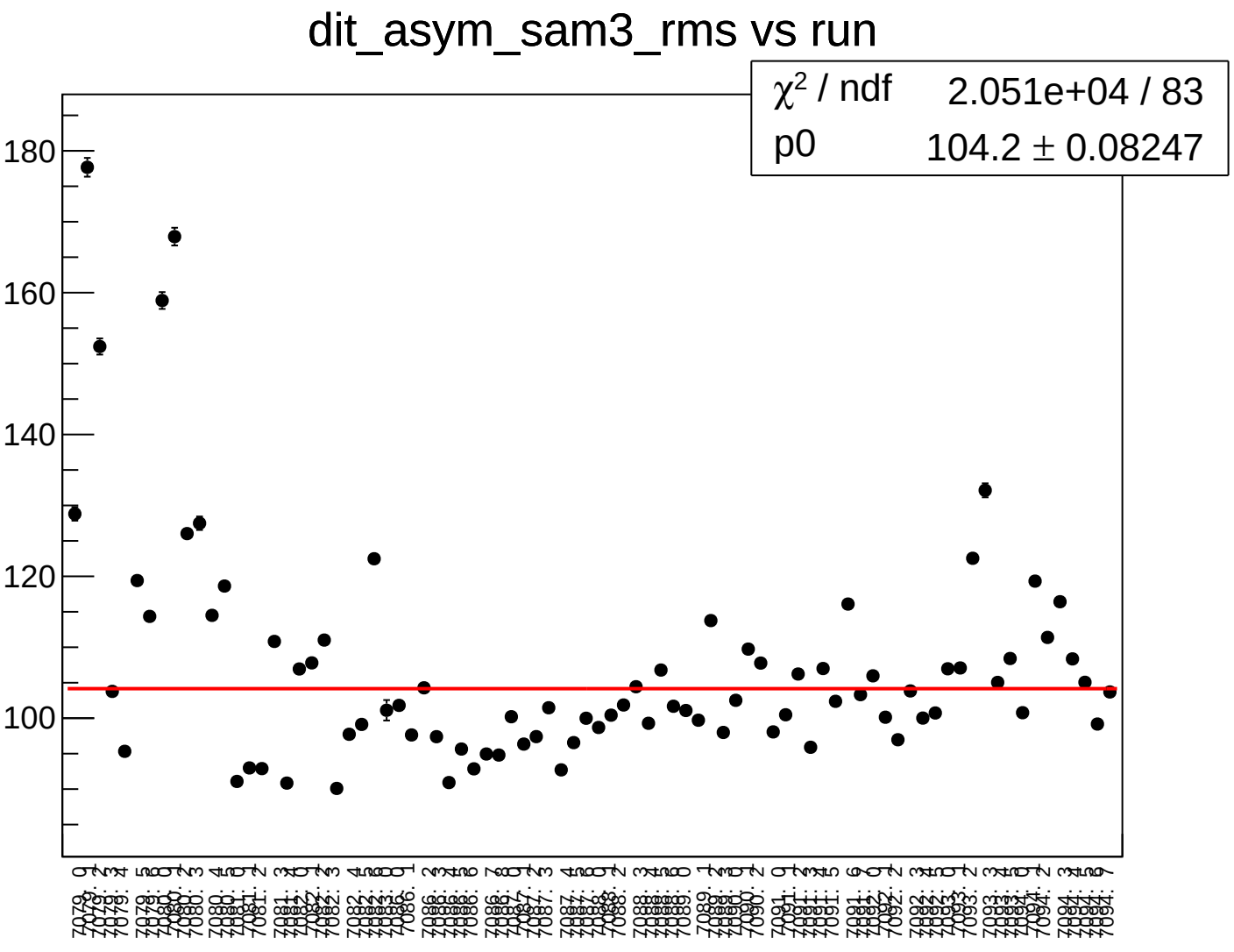

asym_sam2_mean vs run
χ² / ndf 73.94 / 83
p0 5210 ± 2418
pull
Entries 84
Mean −419.2
Std Dev 451.2

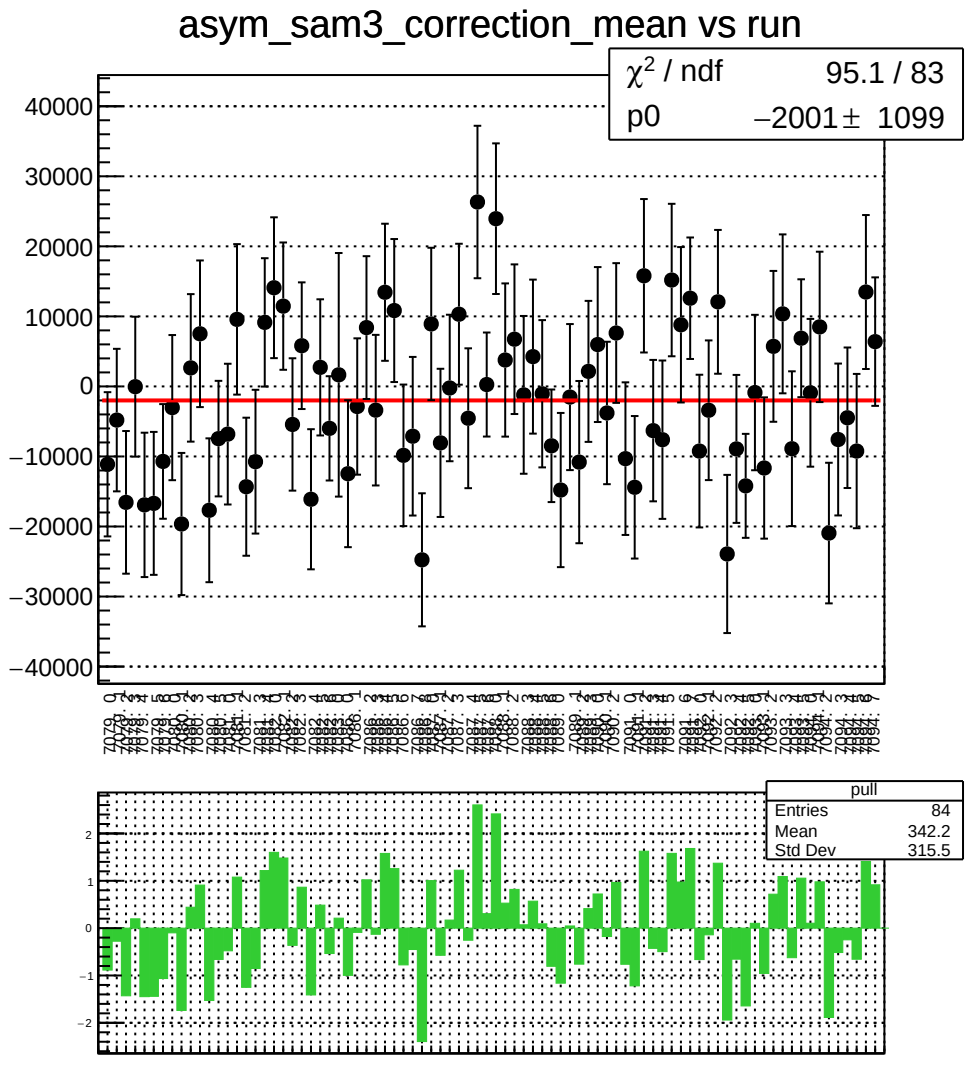

pull1D
Entries 84
Mean 0.01147
Std Dev 0.9381

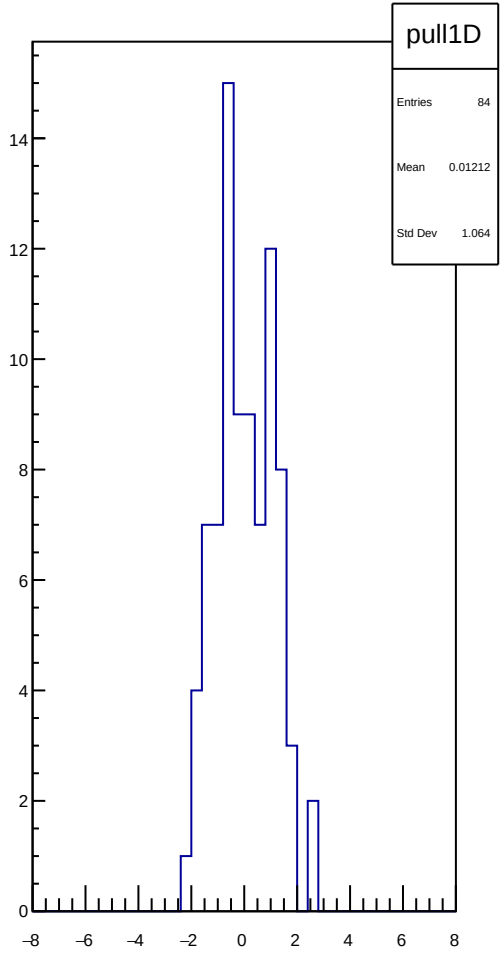

asym_sam2_rms vs run
χ² / ndf 3685 / 83
p0 2171 ± 1.71
2500
2400
2300
2200
2100
2000

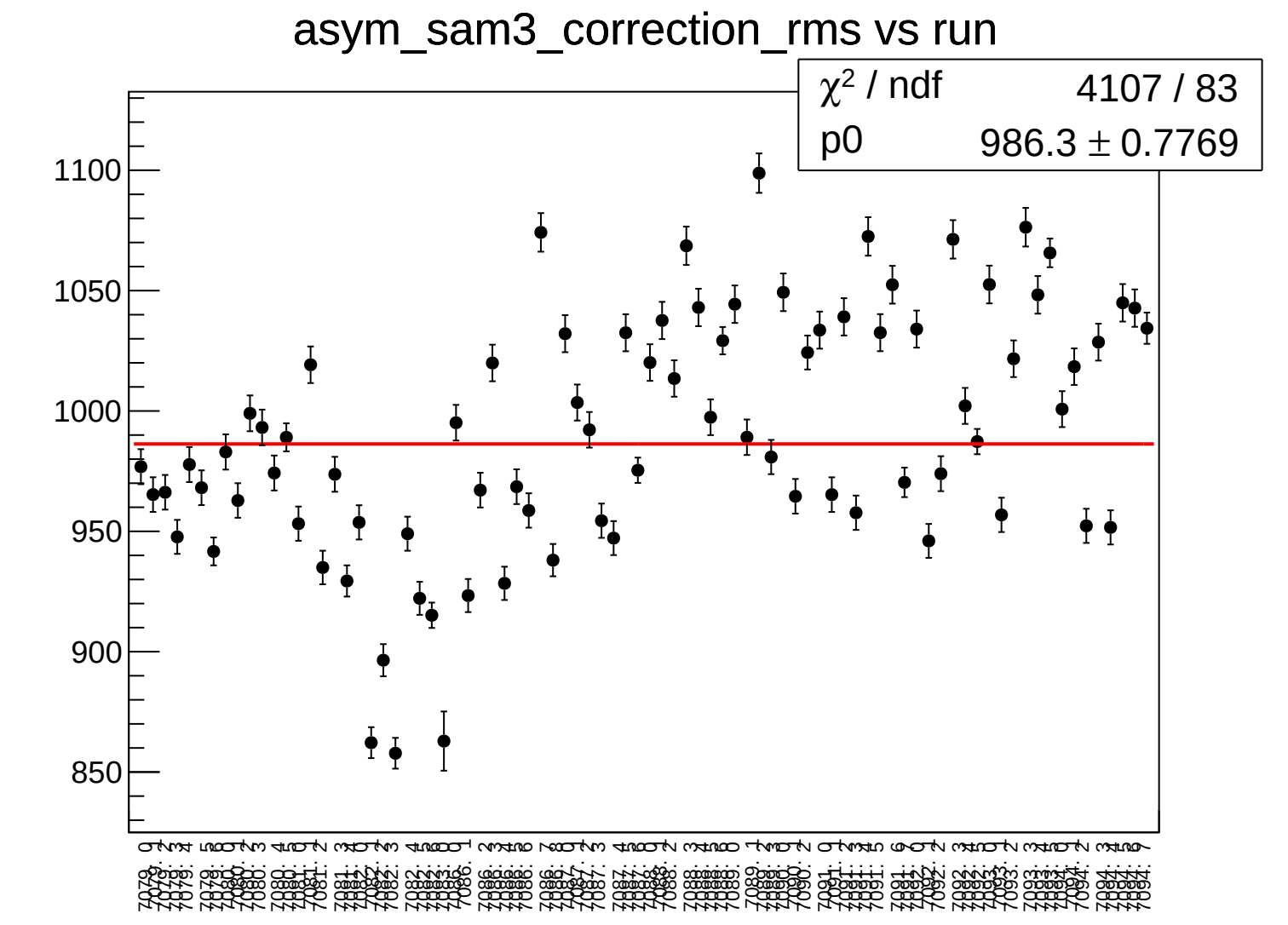

dit_asym_sam3_mean vs run
χ² / ndf 69.66 / 83
p0 22.57 ± 116.6
pull
Entries 84
Mean −108.7
Std Dev 103.6

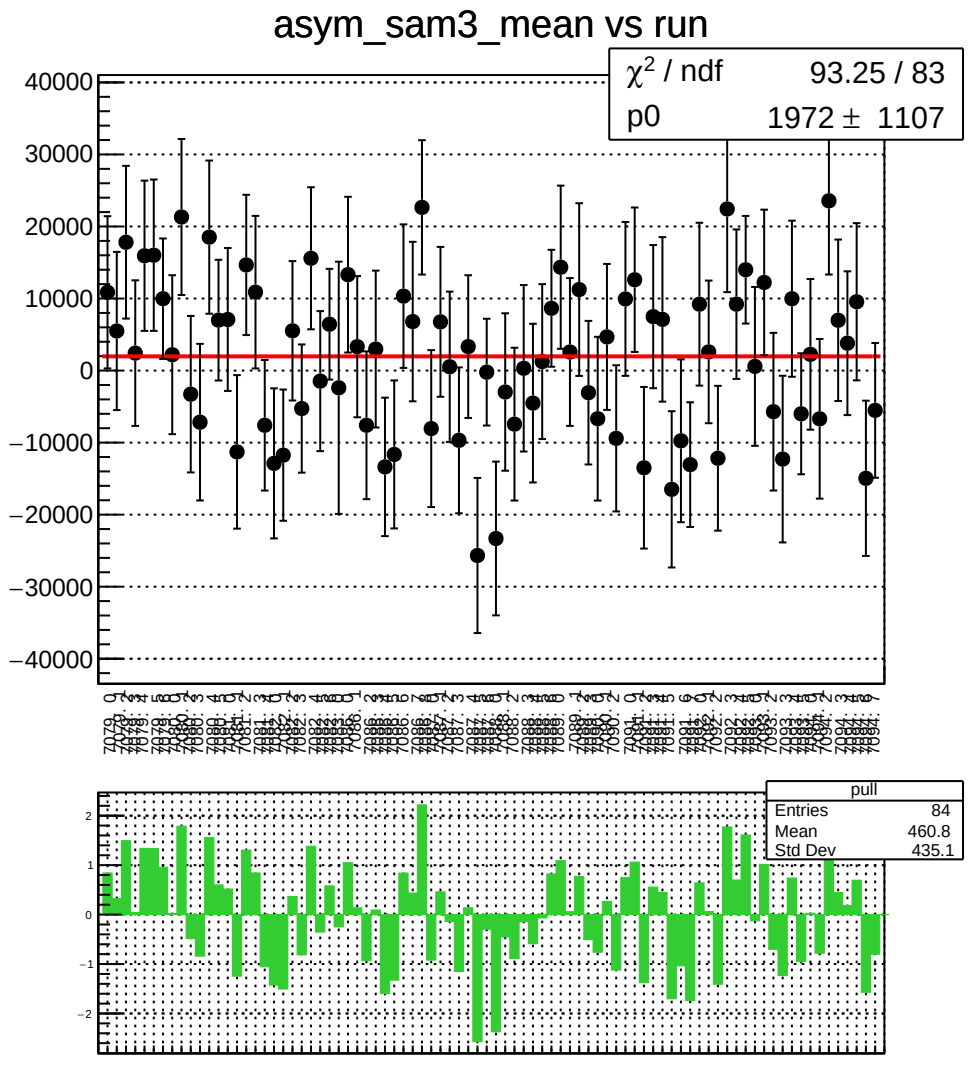

pull1D
Entries 84
Mean 0.005829
Std Dev 0.9106

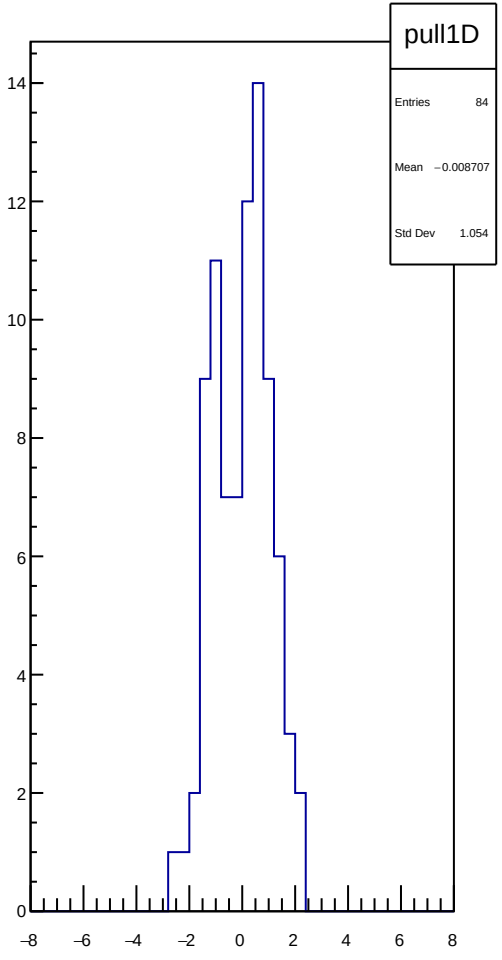

dit_asym_sam3_rms vs run
χ² / ndf 2.051e+04 / 83
p0 104.2 ± 0.08247
180
160
140
120
100

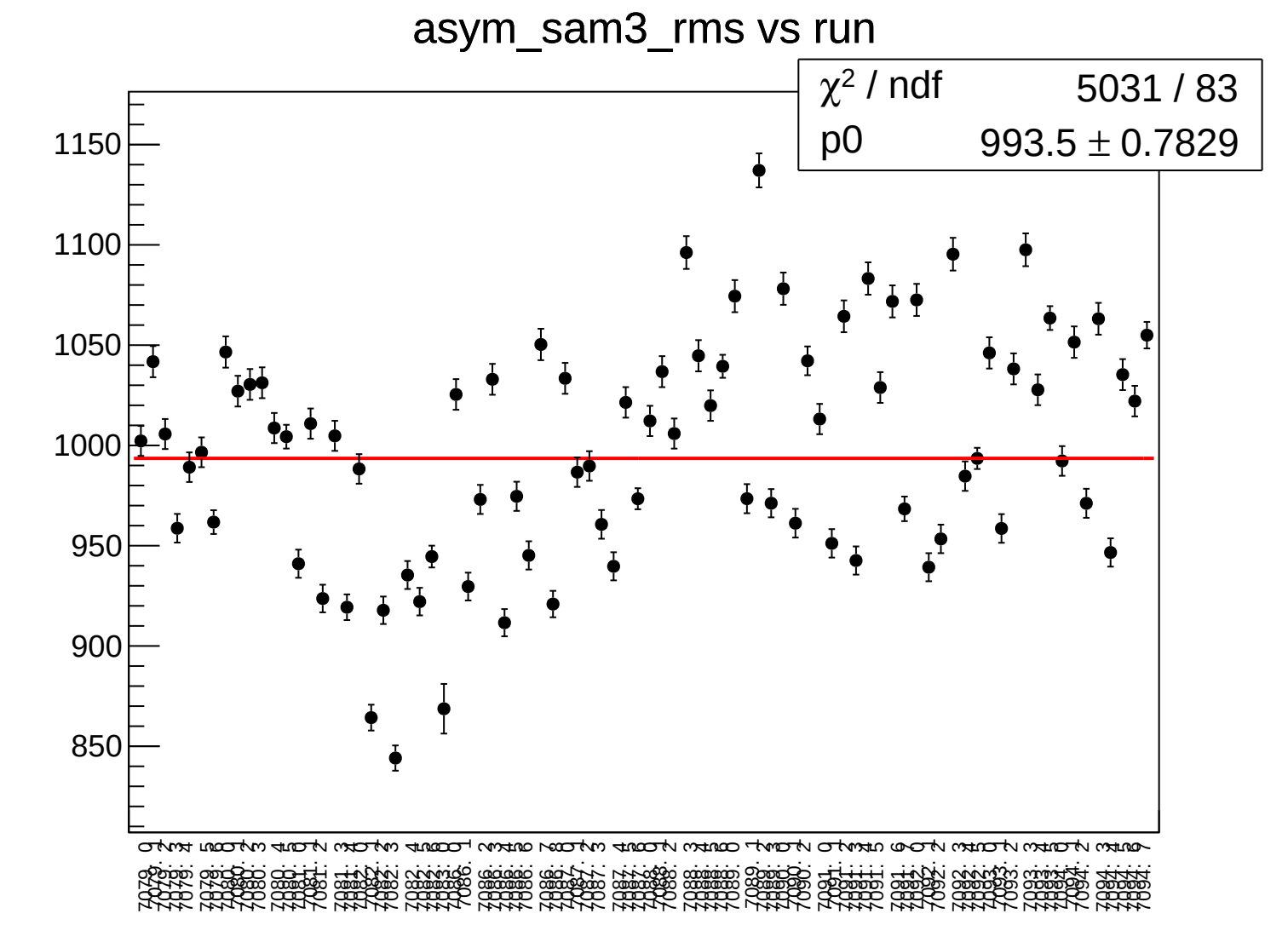

asym_sam3_correction_mean vs run
χ² / ndf 95.1 / 83
p0 −2001 ± 1099
pull
Entries 84
Mean 342.2
Std Dev 315.5

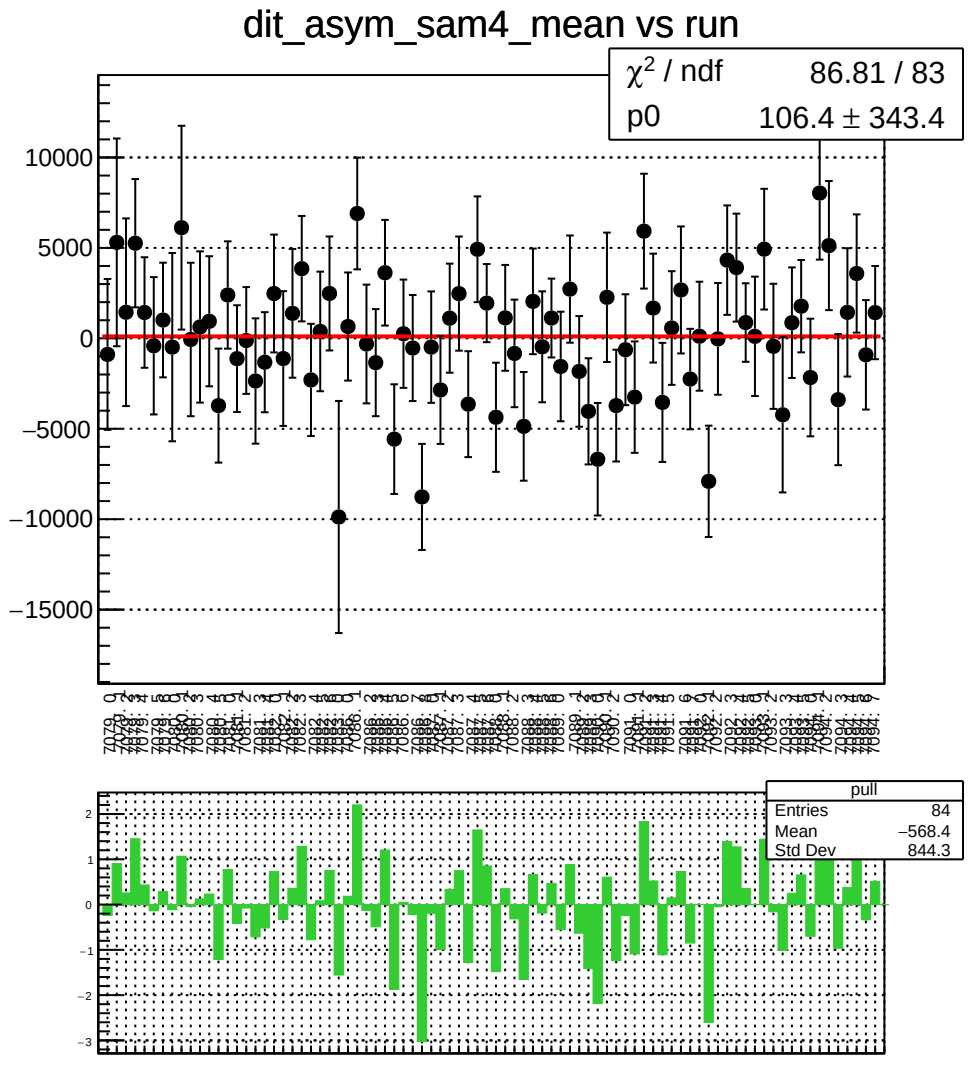

pull1D
Entries 84
Mean 0.01212
Std Dev 1.064

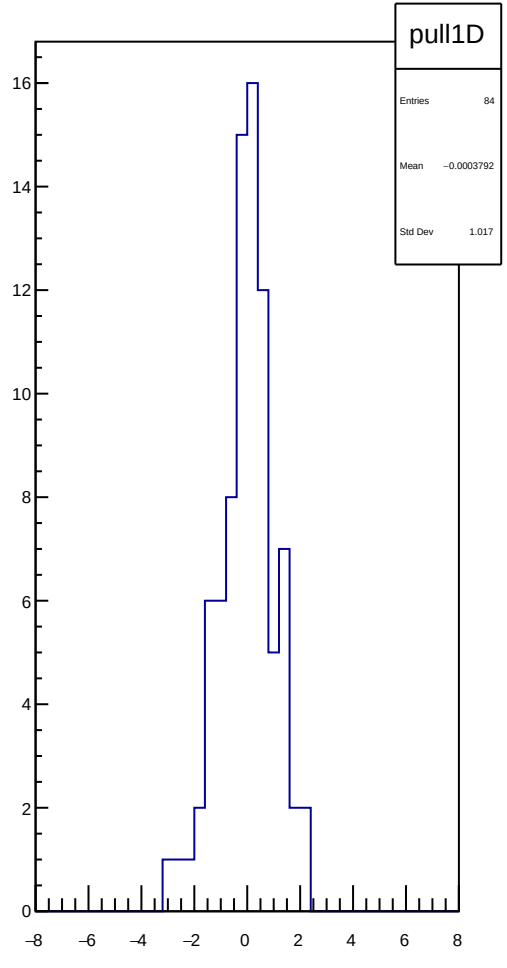

asym_sam3_correction_rms vs run
χ² / ndf 4107 / 83
p0 986.3 ± 0.7769
1100
1050
1000
950
900
850

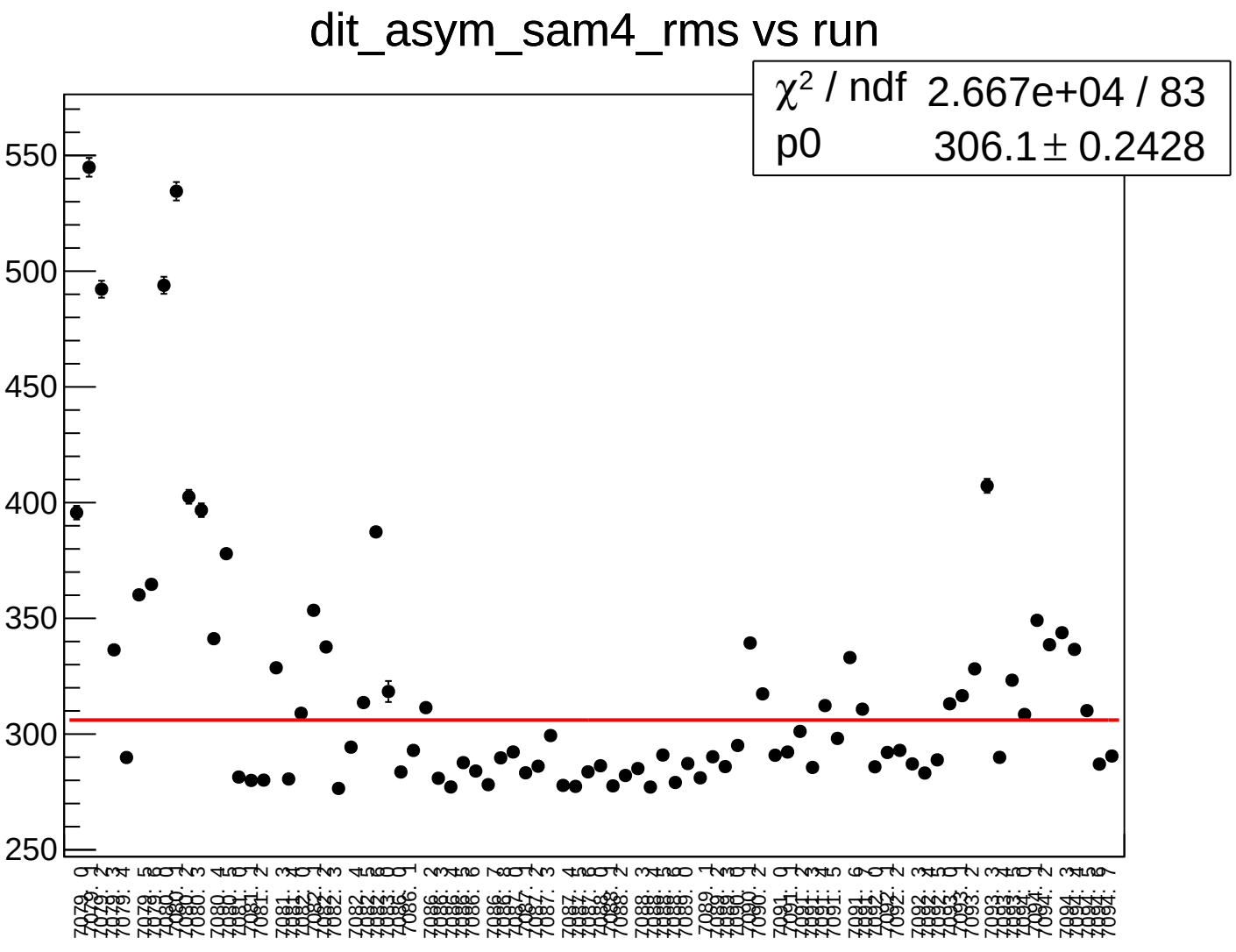

asym_sam3_mean vs run
χ² / ndf 93.25 / 83
p0 1972 ± 1107
pull
Entries 84
Mean 460.8
Std Dev 435.1

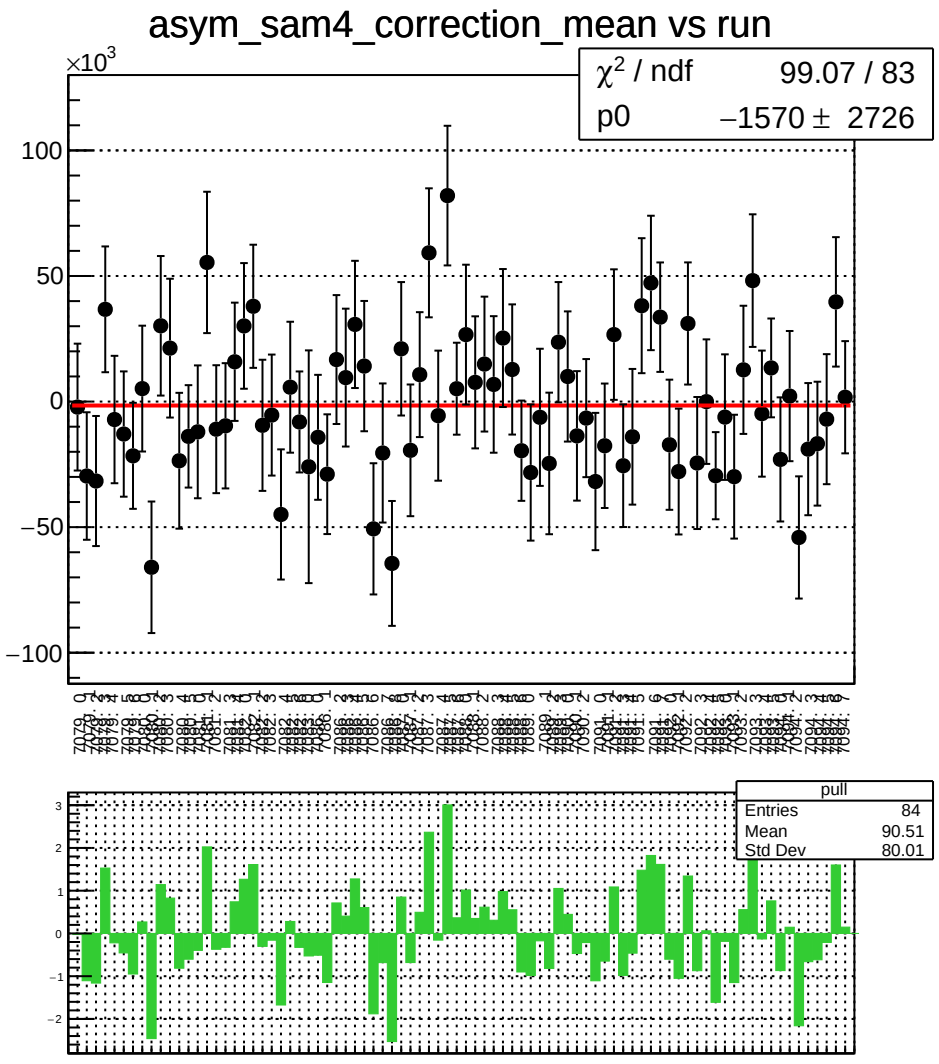

pull1D
Entries 84
Mean −0.008707
Std Dev 1.054

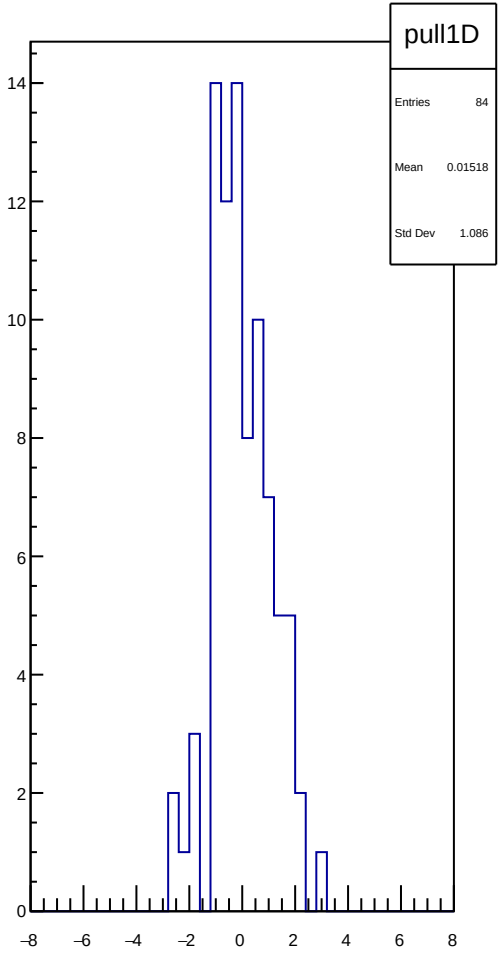

asym_sam3_rms vs run
χ² / ndf 5031 / 83
p0 993.5 ± 0.7829
1150
1100
1050
1000
950
900
850

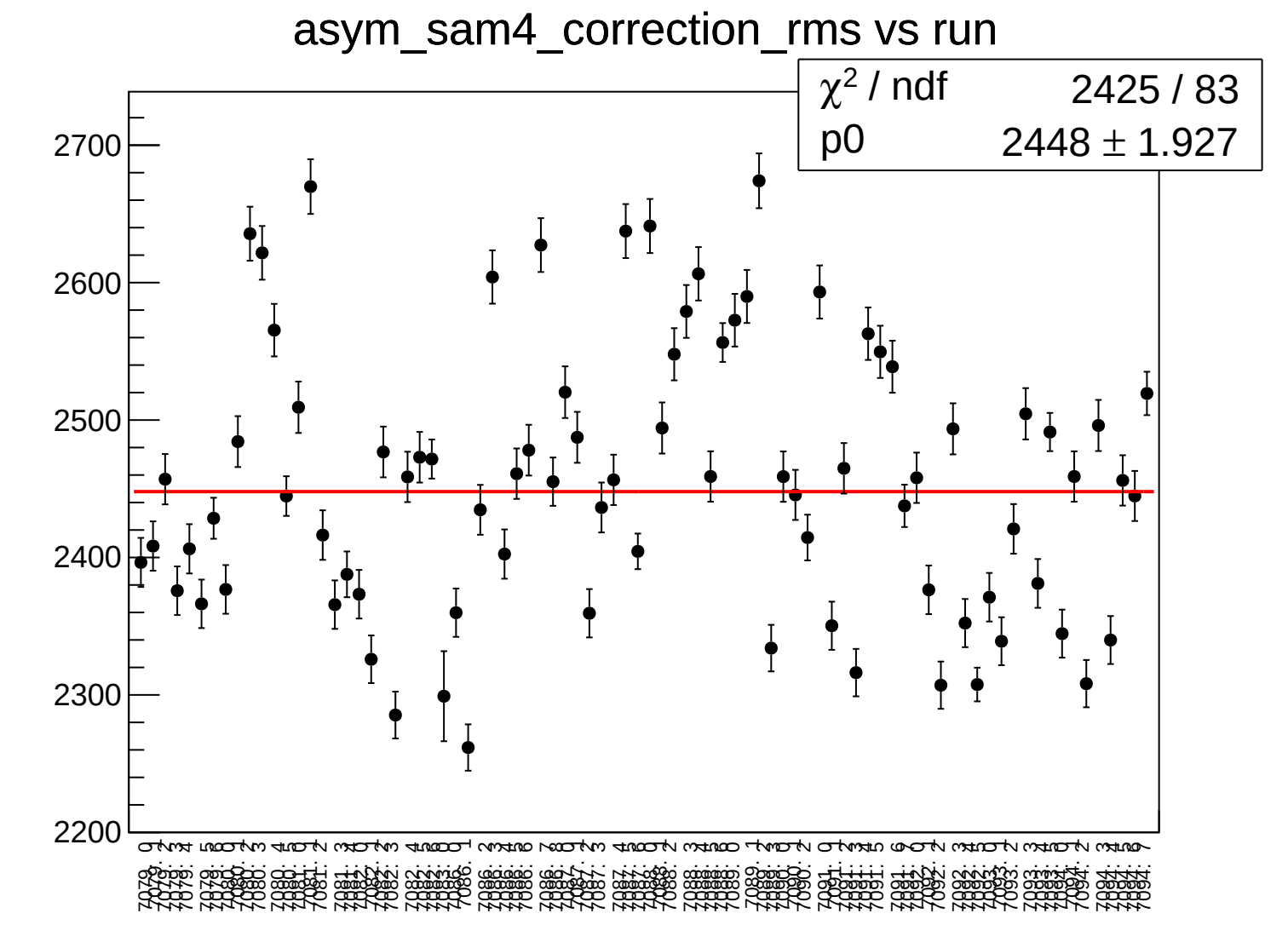

dit_asym_sam4_mean vs run
χ² / ndf 86.81 / 83
p0 106.4 ± 343.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −568.4
Std Dev 844.3
2
1
0
−1
−2
−3

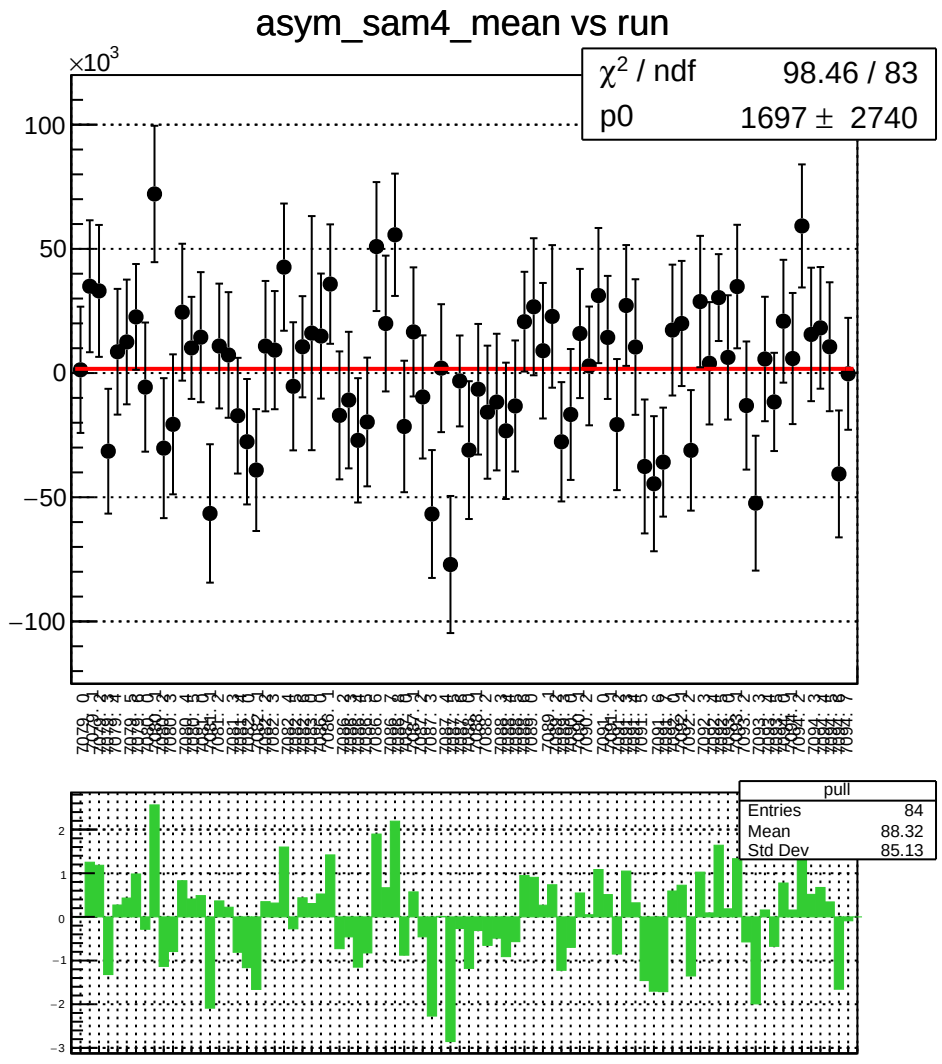

pull1D
Entries 84
Mean −0.0003792
Std Dev 1.017
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

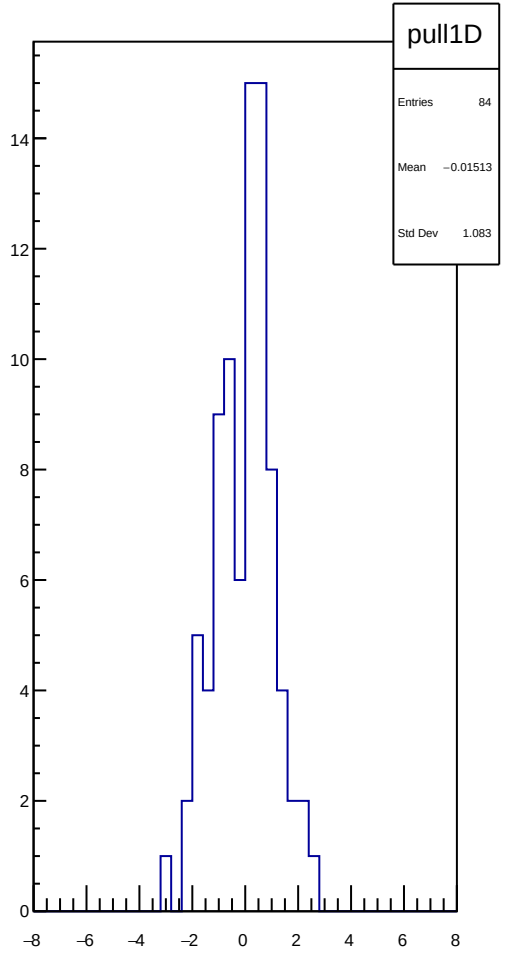

dit_asym_sam4_rms vs run
χ² / ndf 2.667e+04 / 83
p0 306.1 ± 0.2428
550
500
450
400
350
300
250

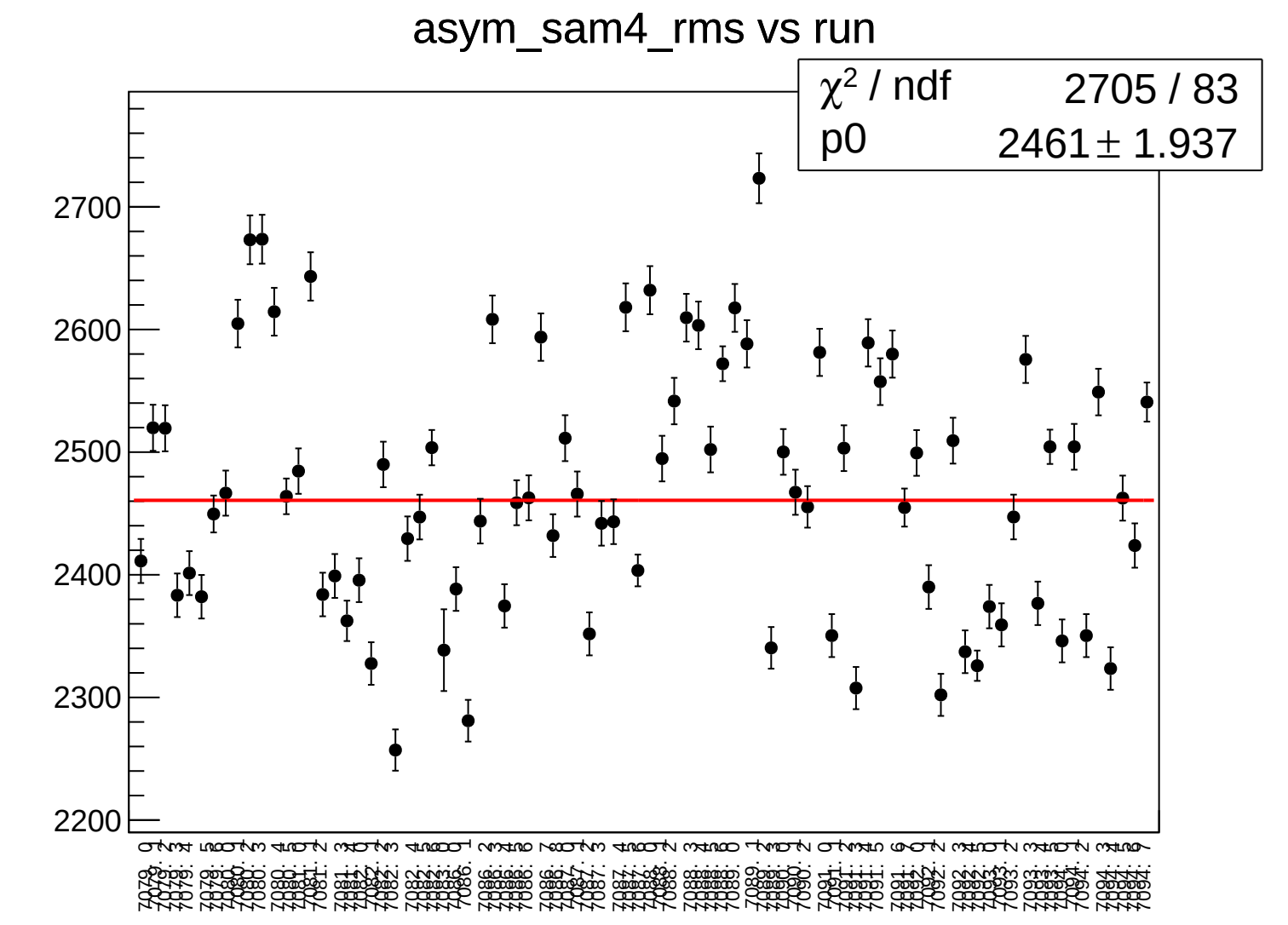

asym_sam4_correction_mean vs run
×10^3
χ² / ndf 99.07 / 83
p0 −1570 ± 2726
100
50
0
−50
−100
pull
Entries 84
Mean 90.51
Std Dev 80.01
3
2
1
0
−1
−2

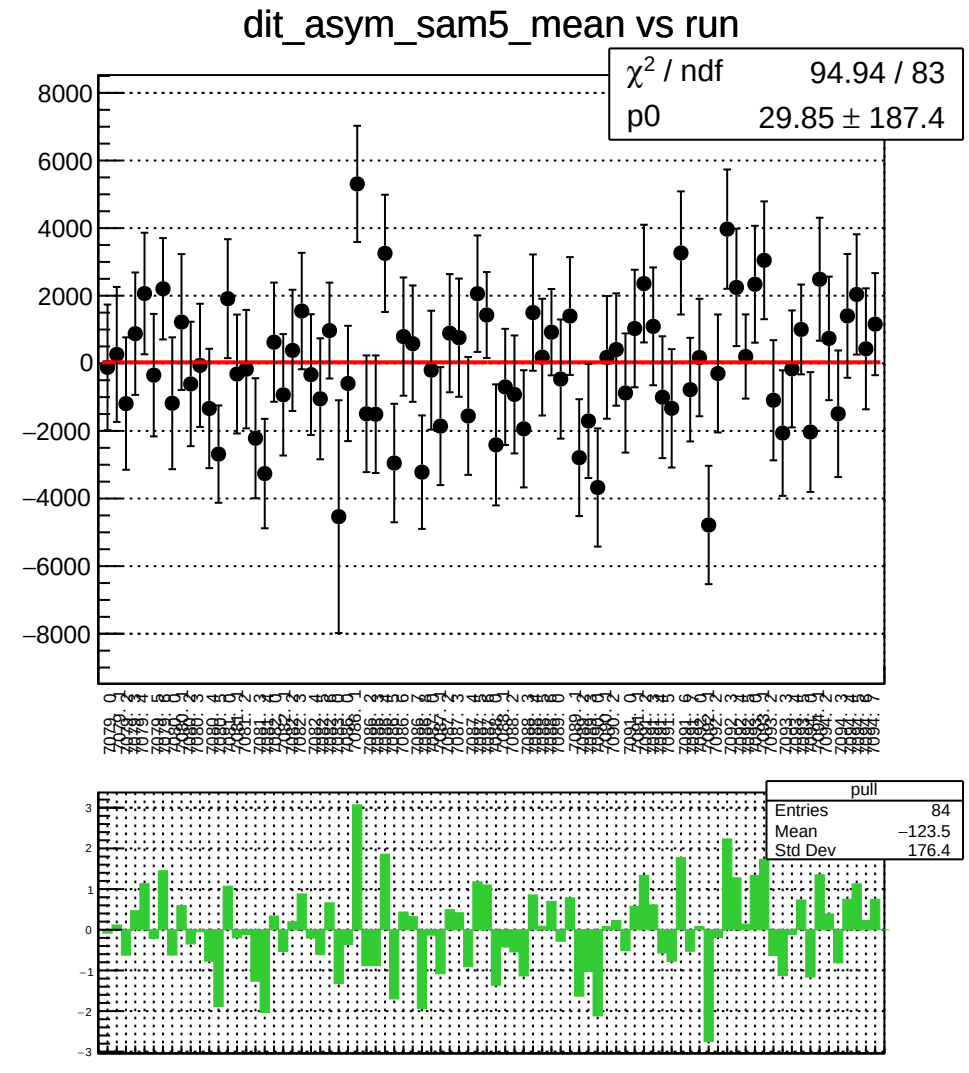

pull1D
Entries 84
Mean 0.01518
Std Dev 1.086
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

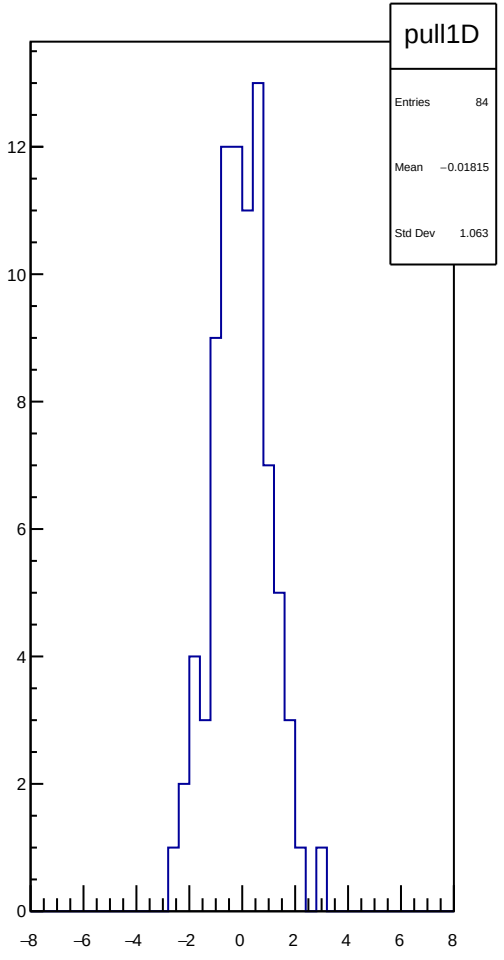

asym_sam4_correction_rms vs run
χ² / ndf 2425 / 83
p0 2448 ± 1.927
2700
2600
2500
2400
2300
2200

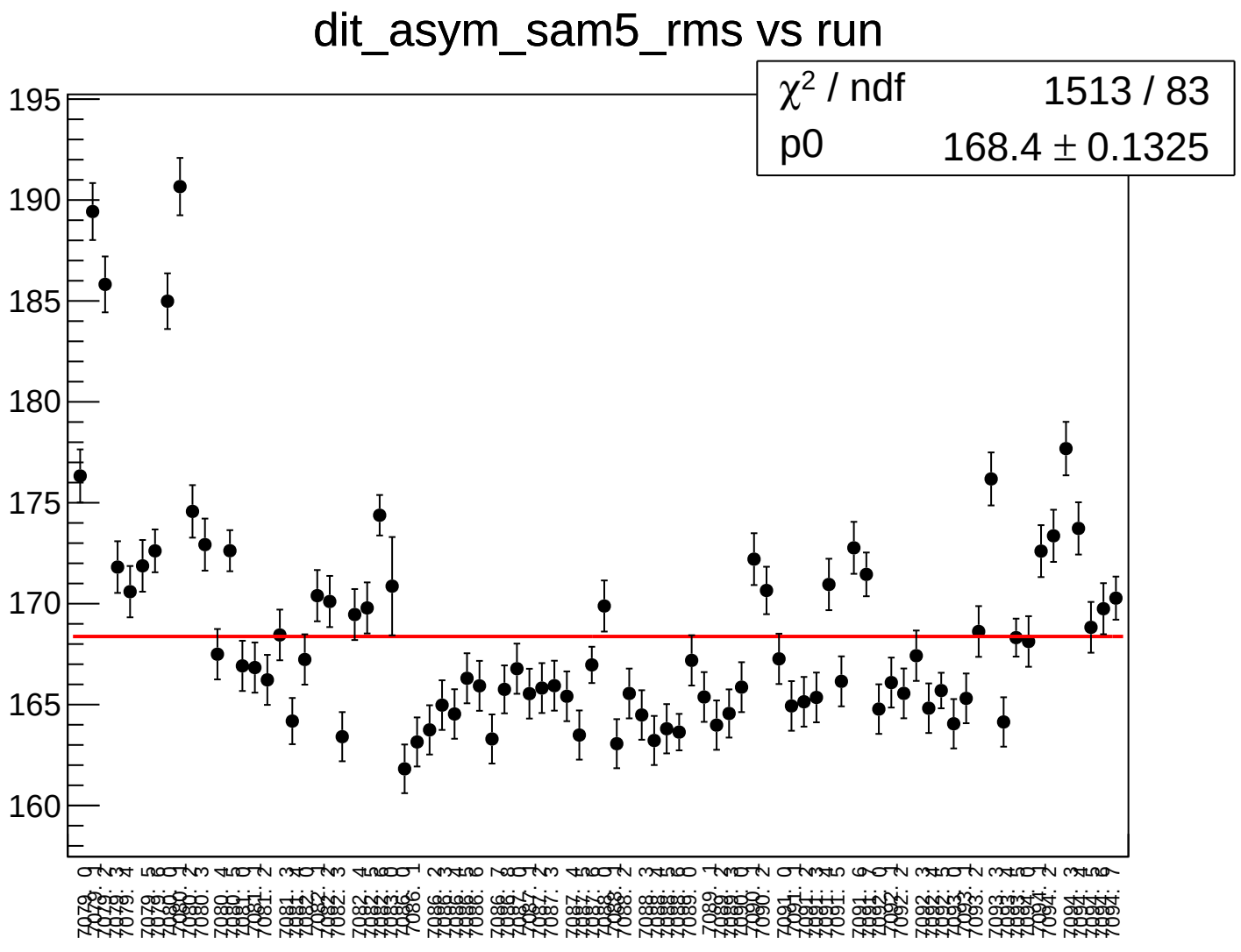

asym_sam4_mean vs run
×10^3
χ^2 / ndf 98.46 / 83
p0 1697 ± 2740
100
50
0
−50
−100
pull
Entries 84
Mean 88.32
Std Dev 85.13
2
1
0
−1
−2
−3

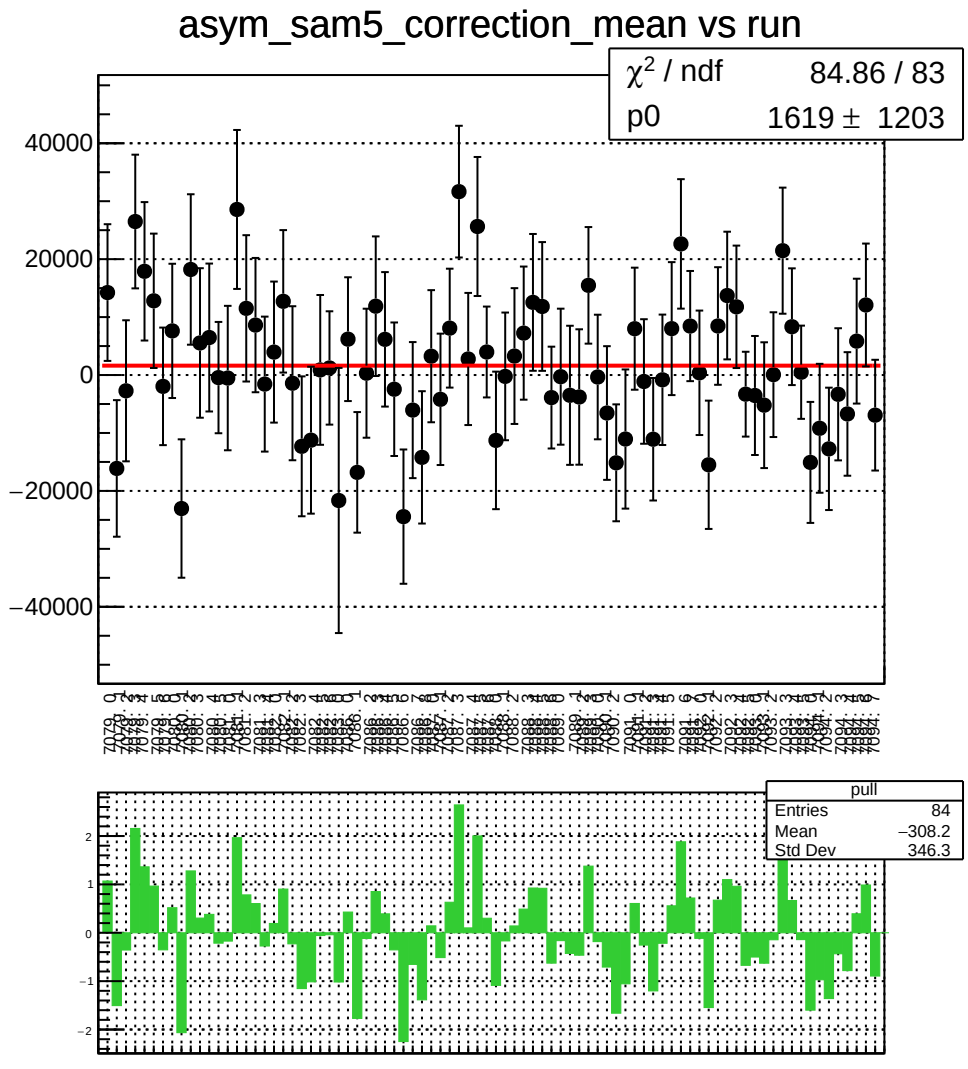

pull1D
Entries 84
Mean −0.01513
Std Dev 1.083
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

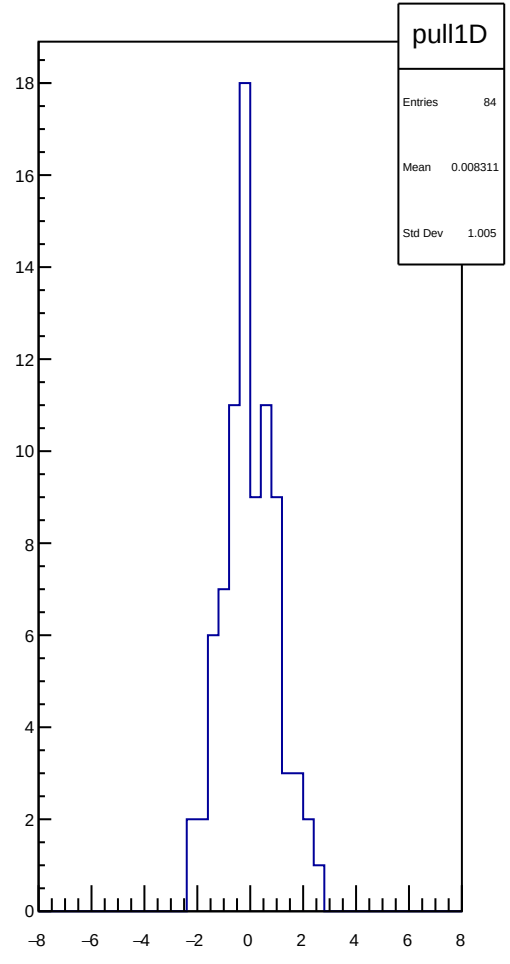

asym_sam4_rms vs run
χ² / ndf 2705 / 83
p0 2461 ± 1.937
2700
2600
2500
2400
2300
2200

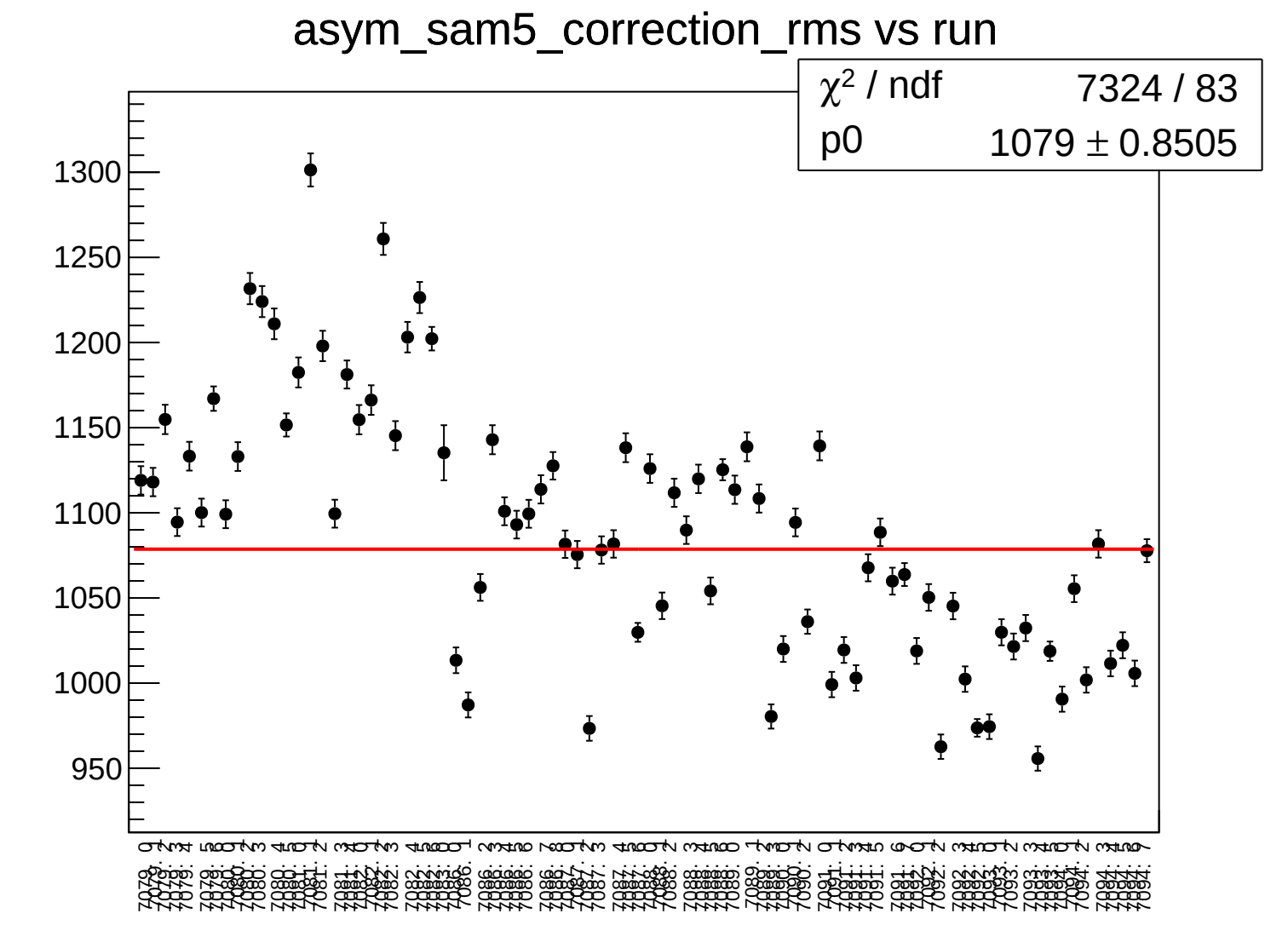

dit_asym_sam5_mean vs run
χ² / ndf 94.94 / 83
p0 29.85 ± 187.4
pull
Entries 84
Mean −123.5
Std Dev 176.4

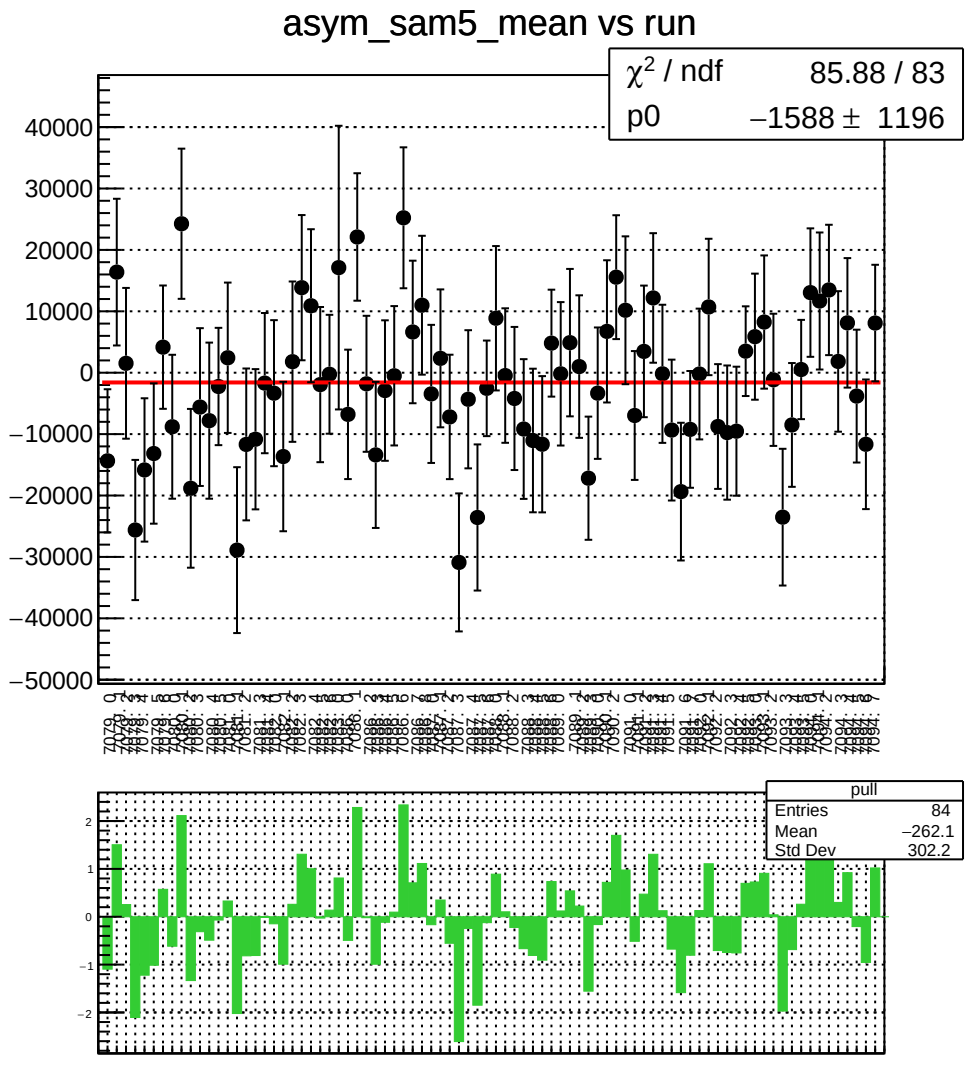

pull1D
Entries 84
Mean −0.01815
Std Dev 1.063

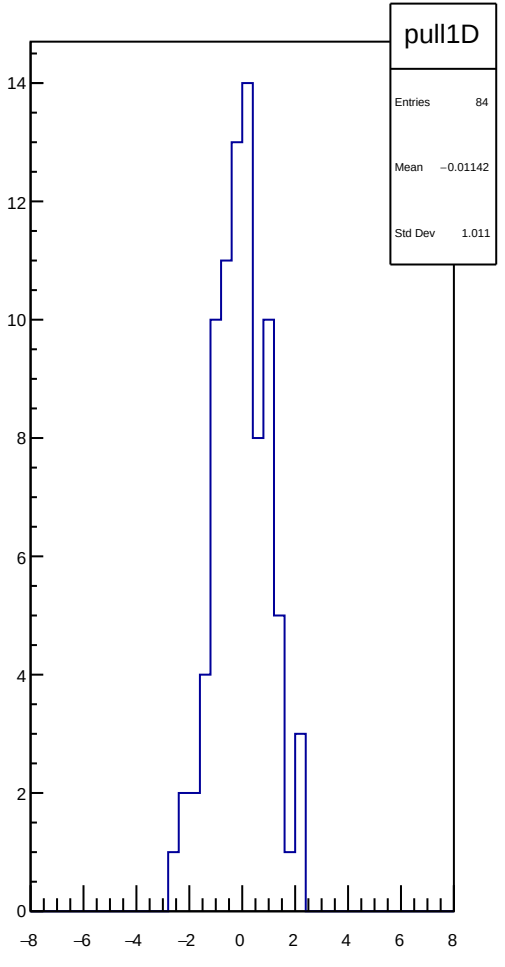

dit_asym_sam5_rms vs run
χ² / ndf 1513 / 83
p0 168.4 ± 0.1325
195
190
185
180
175
170
165
160

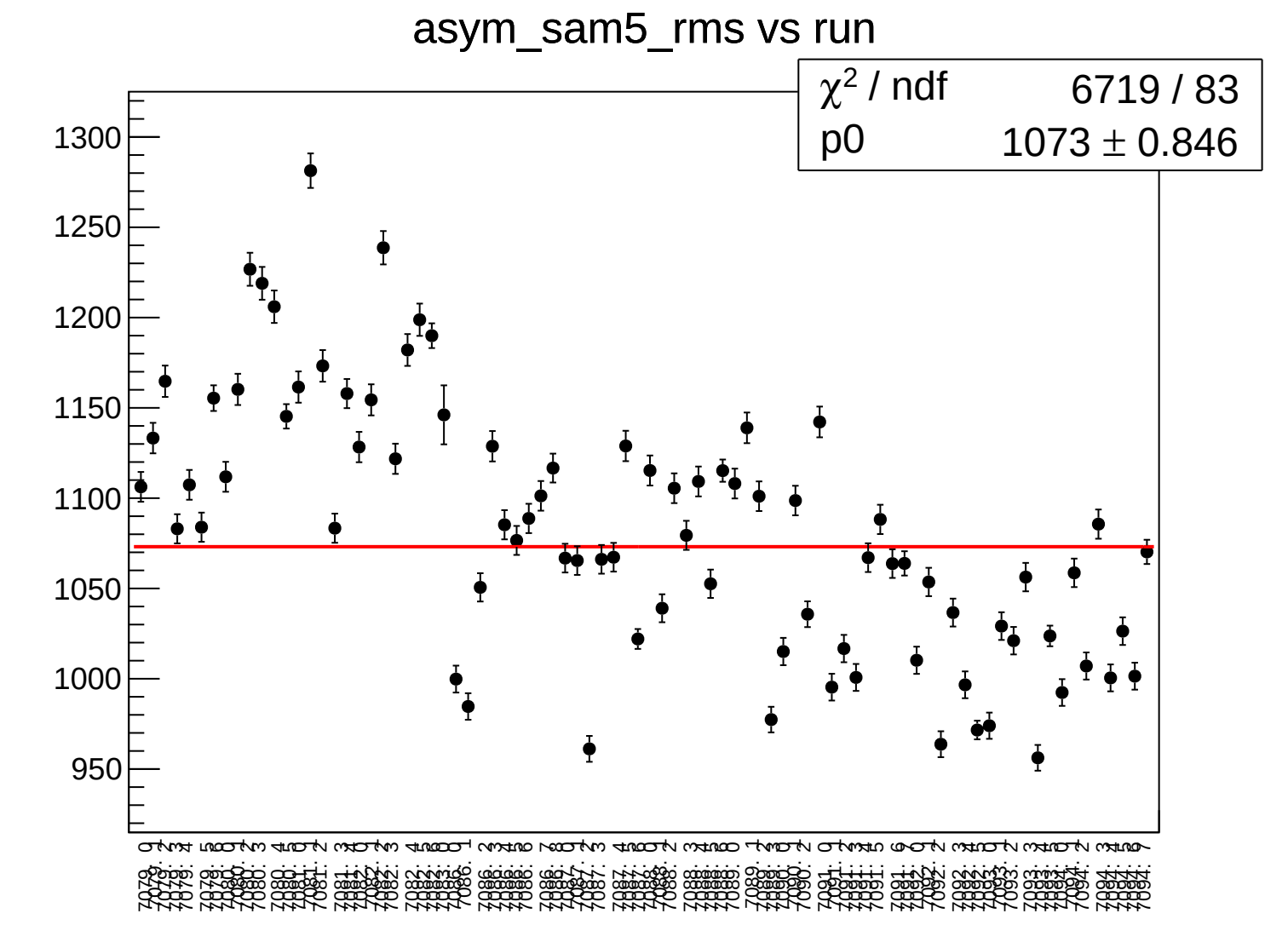

asym_sam5_correction_mean vs run
χ² / ndf 84.86 / 83
p0 1619 ± 1203
40000
20000
0
−20000
−40000
pull
Entries 84
Mean −308.2
Std Dev 346.3
2
1
0
−1
−2

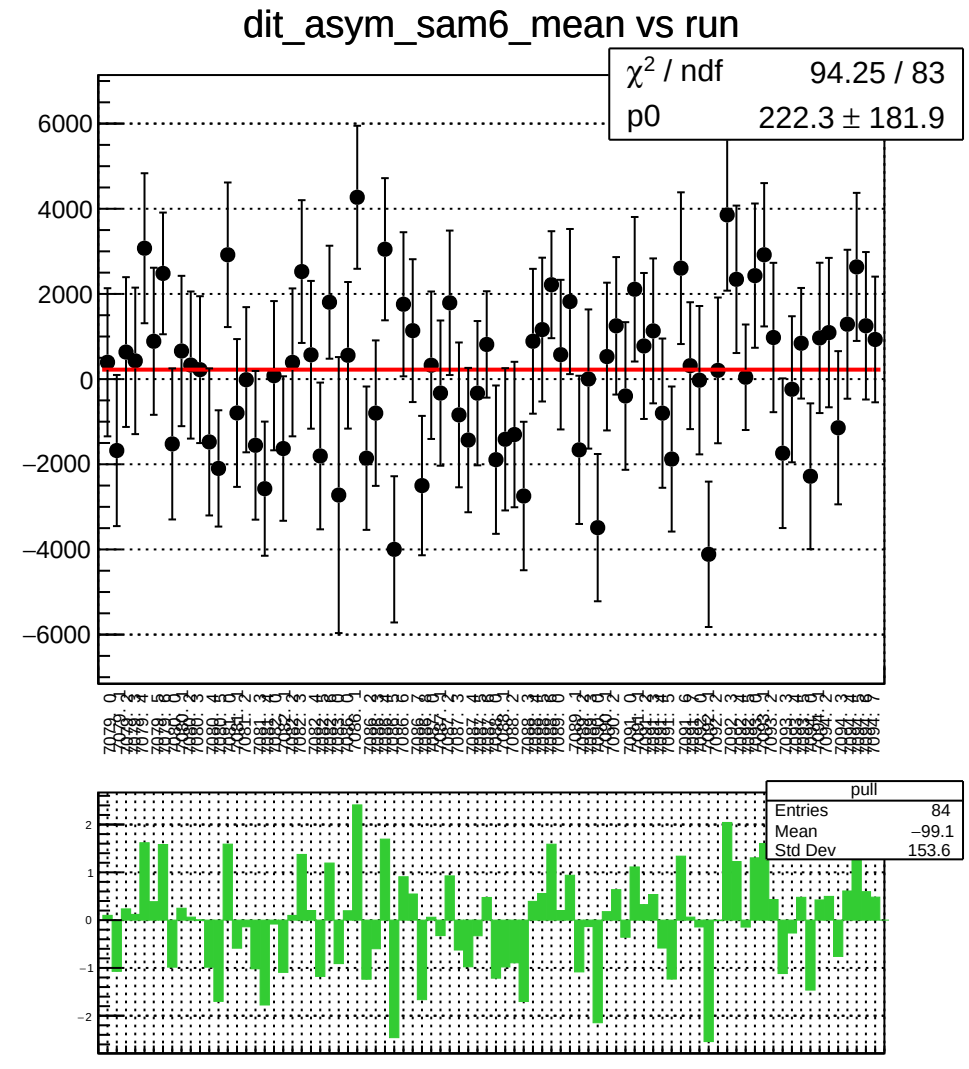

pull1D
Entries 84
Mean 0.008311
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

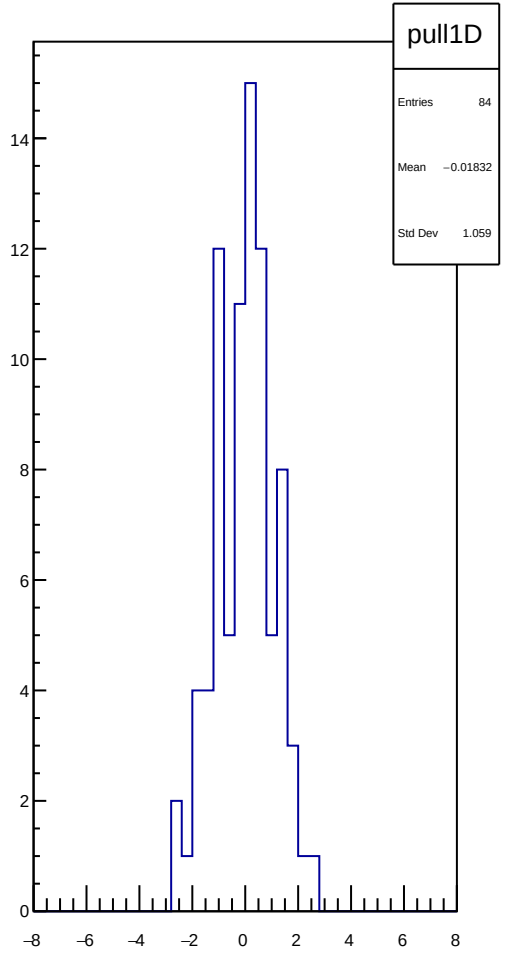

asym_sam5_correction_rms vs run
χ² / ndf 7324 / 83
p0 1079 ± 0.8505
1300
1250
1200
1150
1100
1050
1000
950

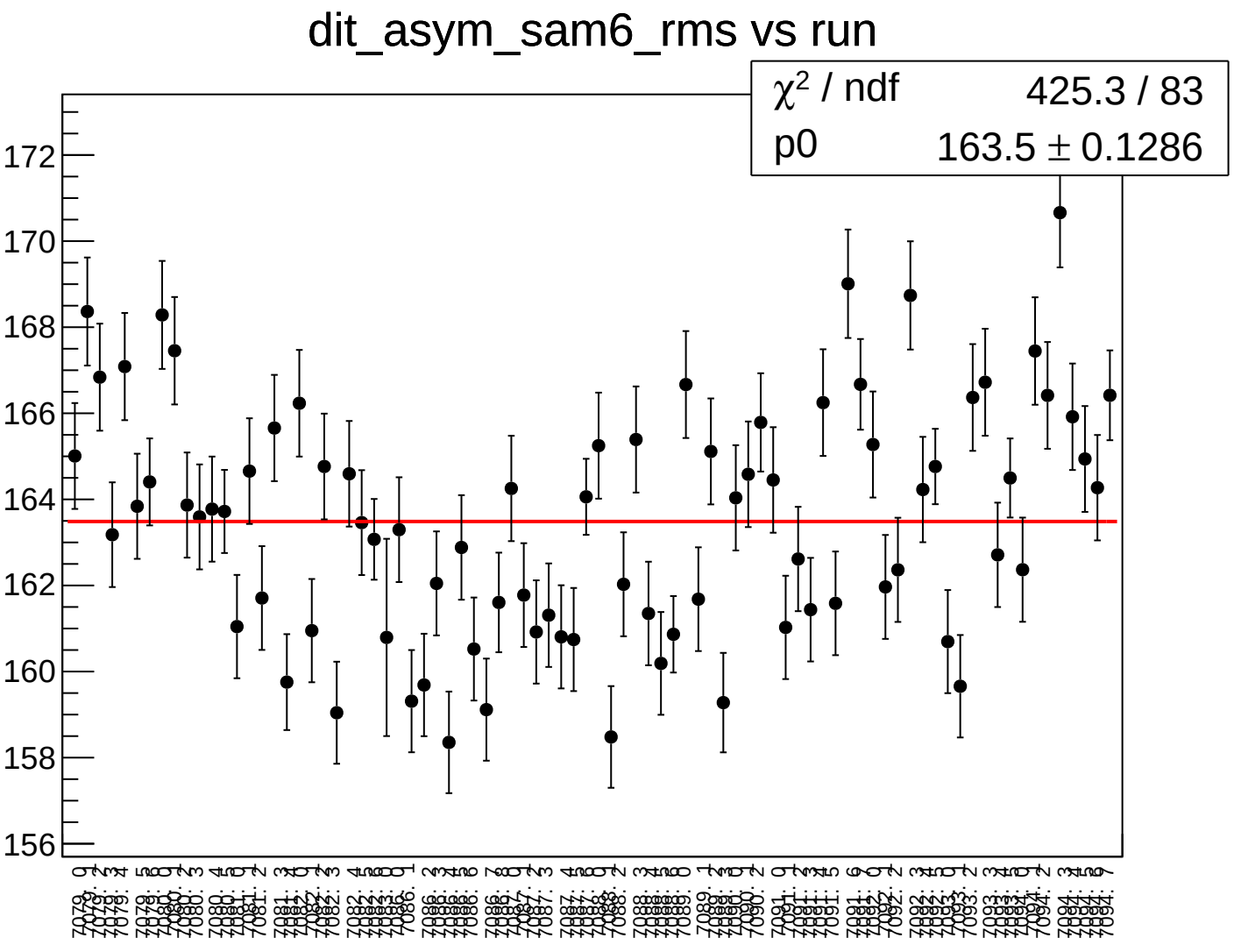

asym_sam5_mean vs run
χ² / ndf 85.88 / 83
p0 −1588 ± 1196
pull
Entries 84
Mean −262.1
Std Dev 302.2

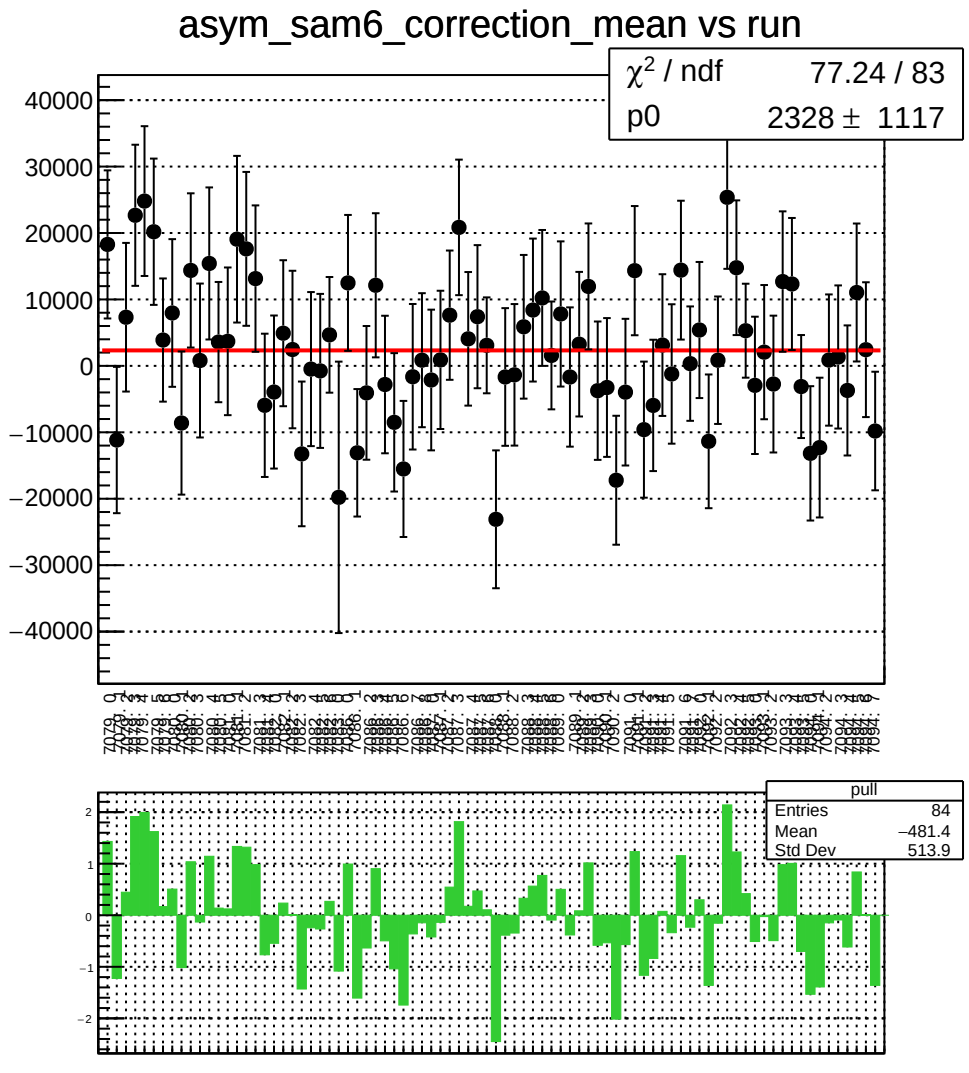

pull1D
Entries 84
Mean −0.01142
Std Dev 1.011

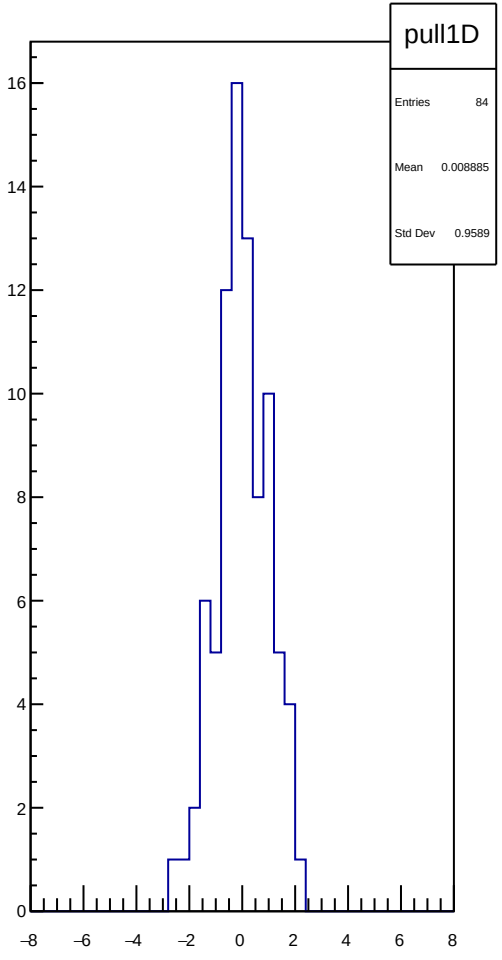

asym_sam5_rms vs run
χ² / ndf 6719 / 83
p0 1073 ± 0.846
1300
1250
1200
1150
1100
1050
1000
950

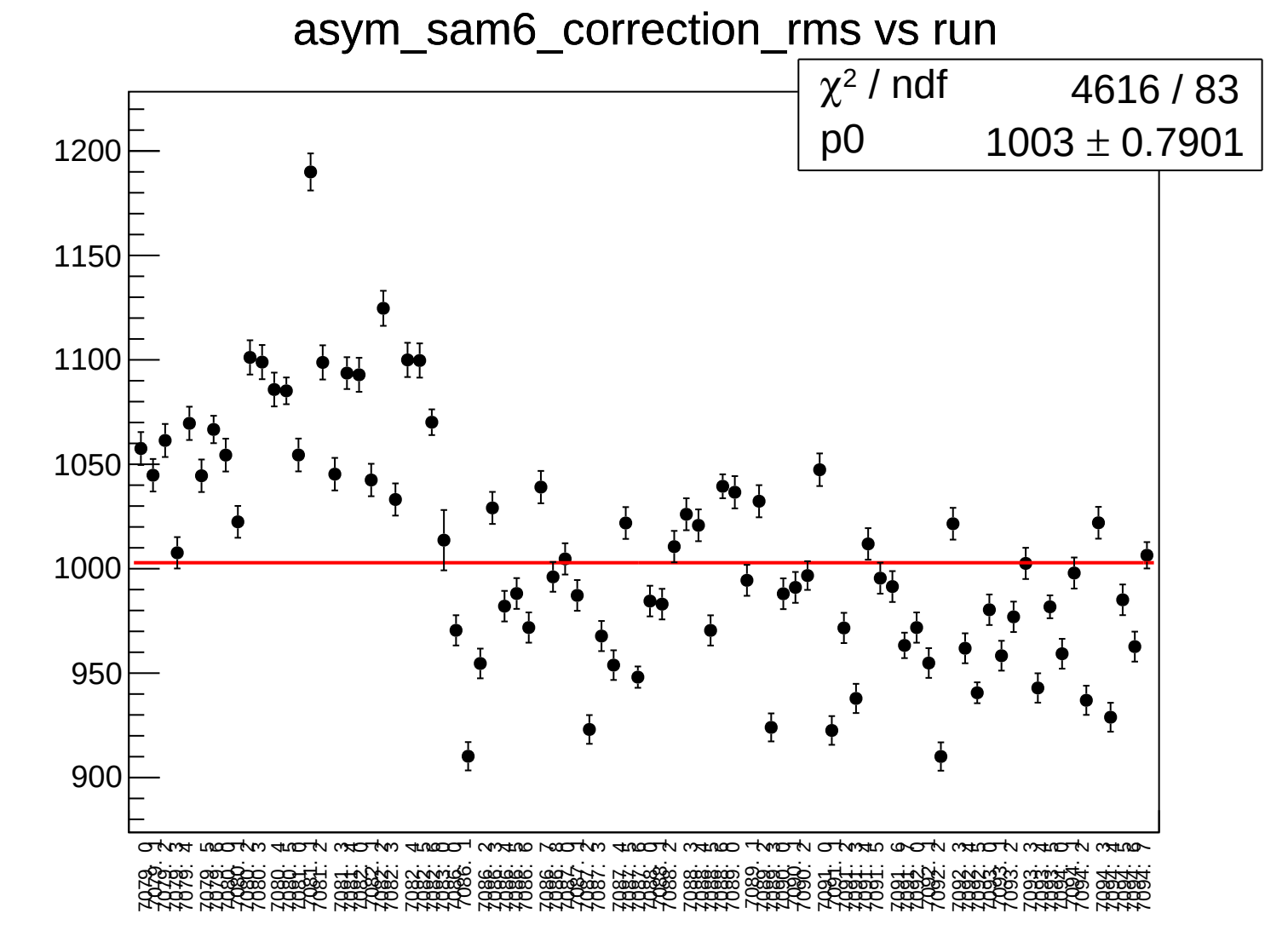

dit_asym_sam6_mean vs run
χ² / ndf 94.25 / 83
p0 222.3 ± 181.9
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean −99.1
Std Dev 153.6
2
1
0
−1
−2

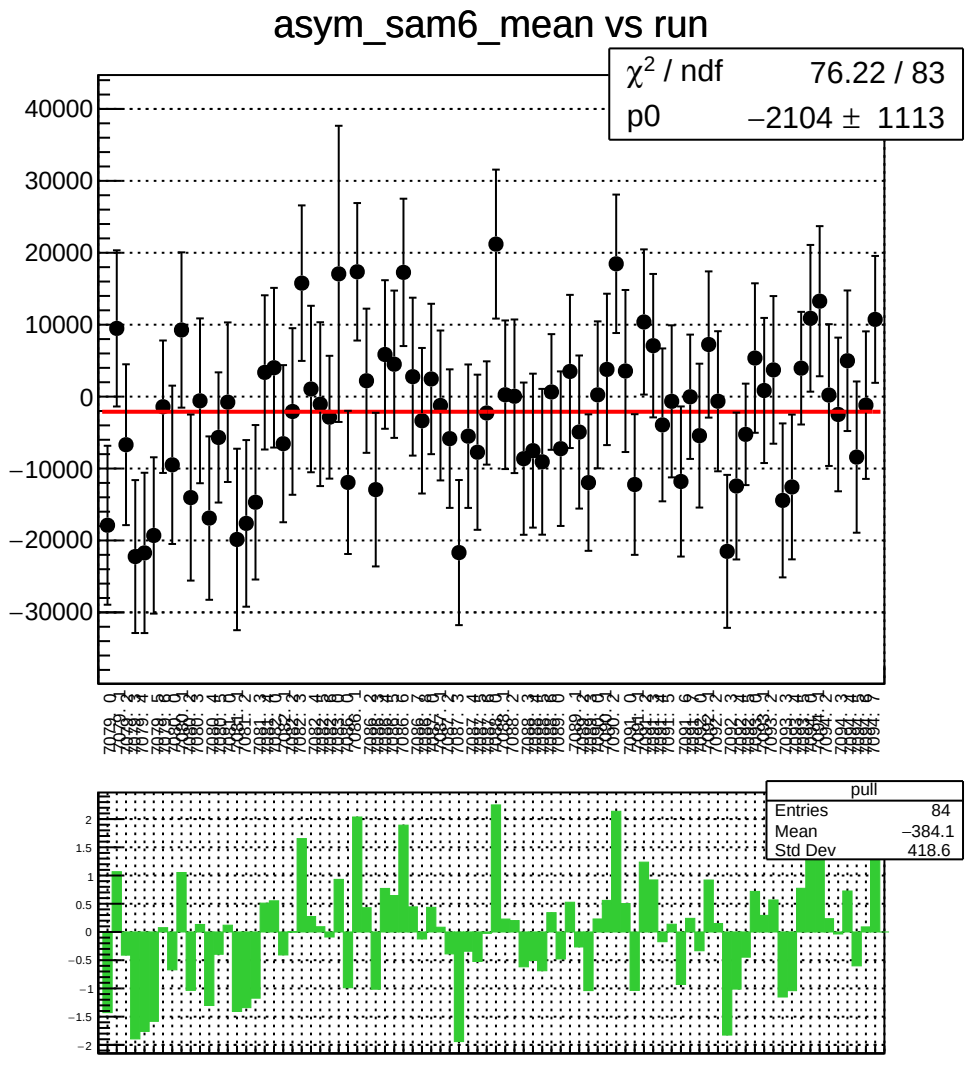

pull1D
Entries 84
Mean −0.01832
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

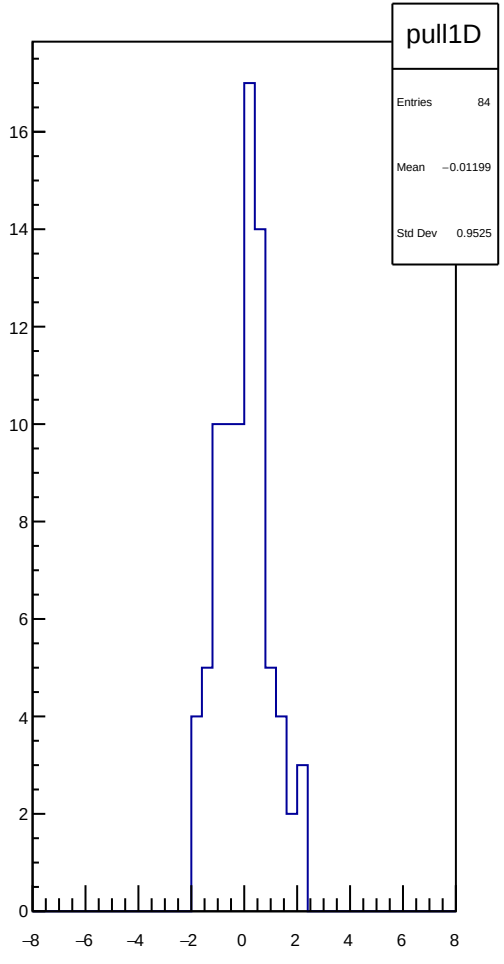

dit_asym_sam6_rms vs run
χ² / ndf 425.3 / 83
p0 163.5 ± 0.1286
172
170
168
166
164
162
160
158
156

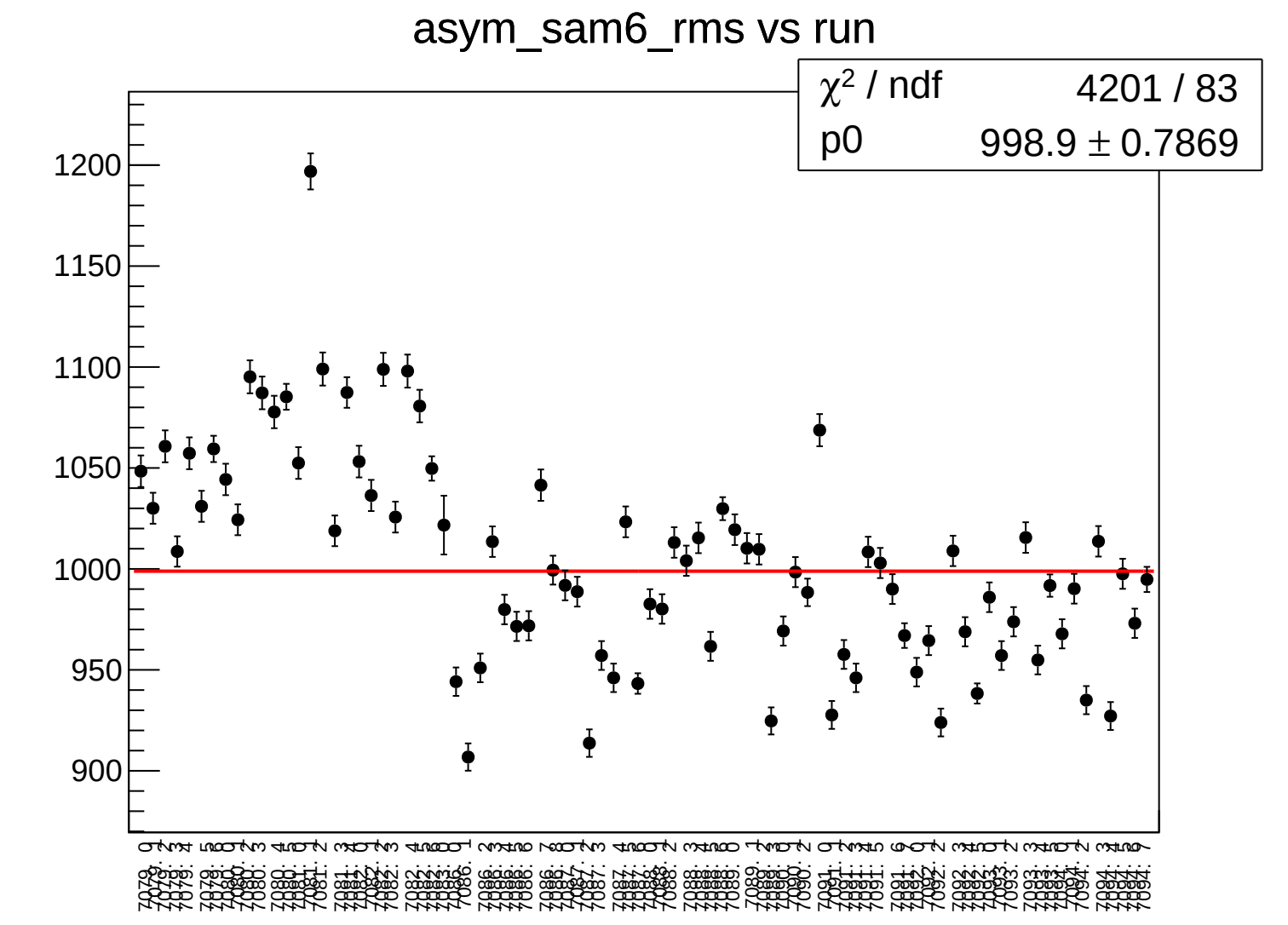

asym_sam6_correction_mean vs run
χ² / ndf 77.24 / 83
p0 2328 ± 1117
pull
Entries 84
Mean −481.4
Std Dev 513.9

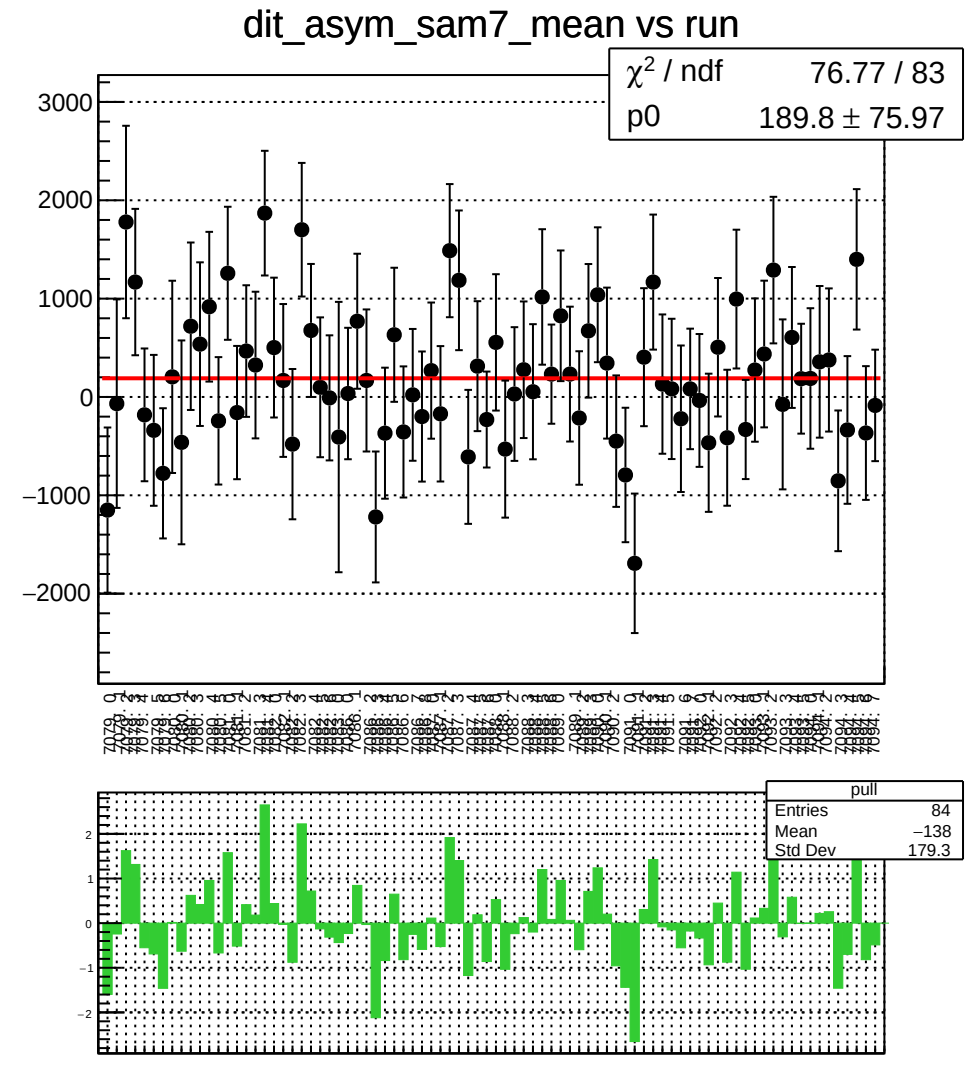

pull1D
Entries 84
Mean 0.008885
Std Dev 0.9589

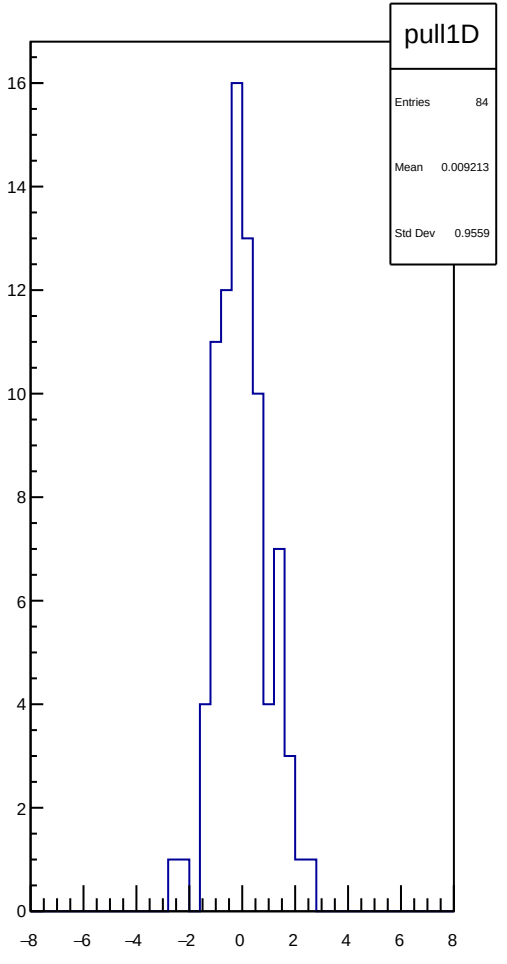

asym_sam6_correction_rms vs run
χ² / ndf 4616 / 83
p0 1003 ± 0.7901
1200
1150
1100
1050
1000
950
900

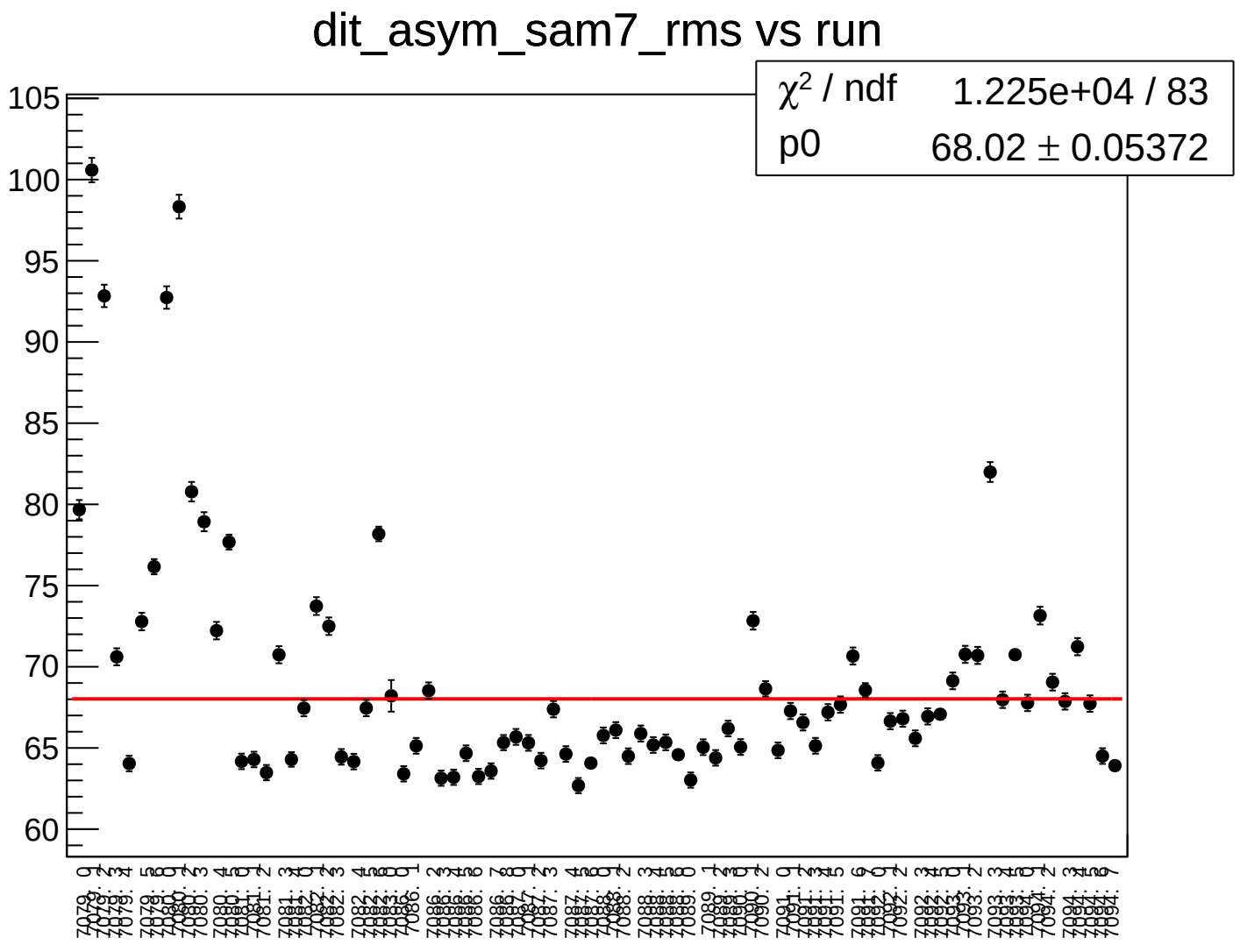

asym_sam6_mean vs run
χ² / ndf 76.22 / 83
p0 −2104 ± 1113
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −384.1
Std Dev 418.6
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

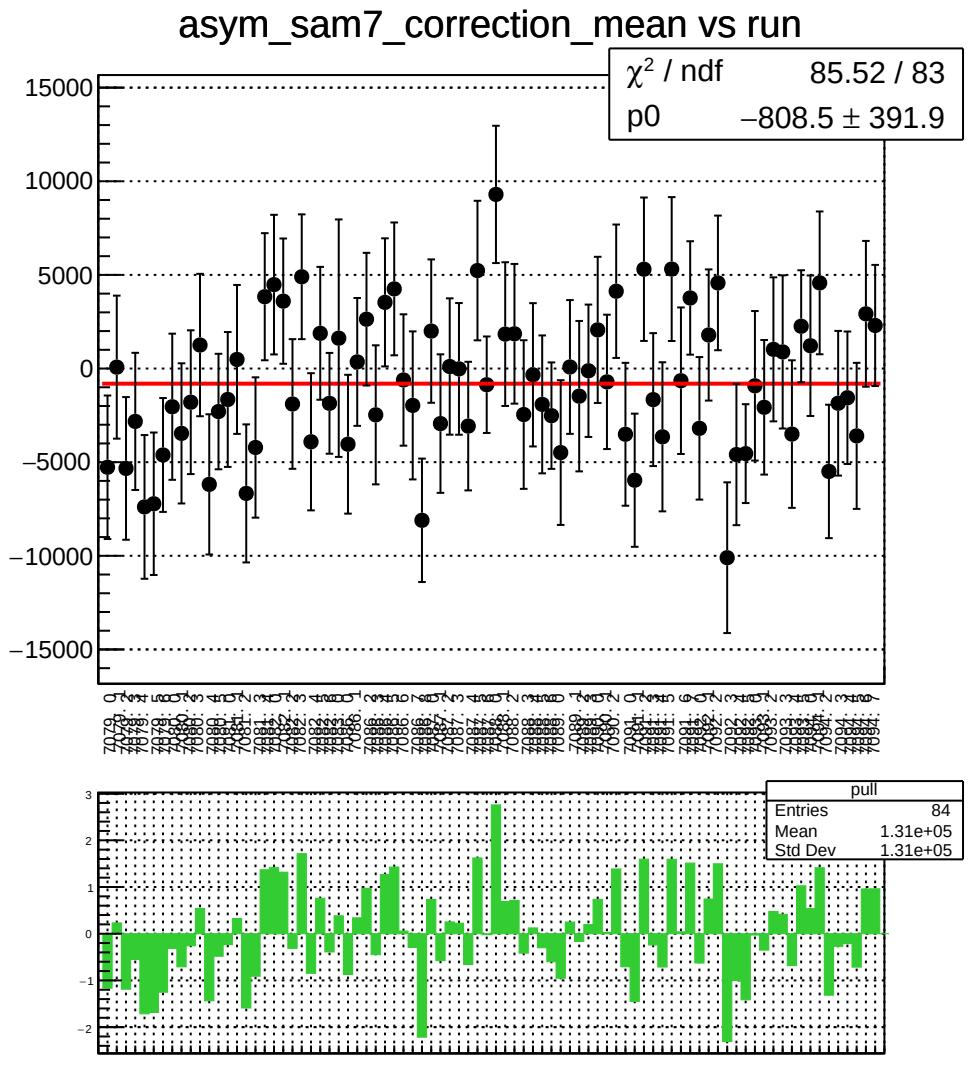

pull1D
Entries 84
Mean −0.01199
Std Dev 0.9525
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

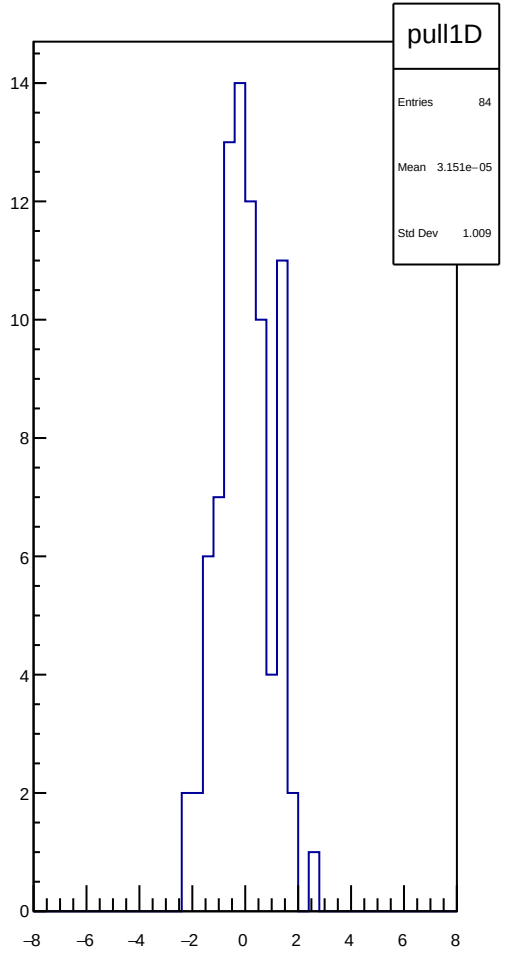

asym_sam6_rms vs run
χ² / ndf 4201 / 83
p0 998.9 ± 0.7869
1200
1150
1100
1050
1000
950
900

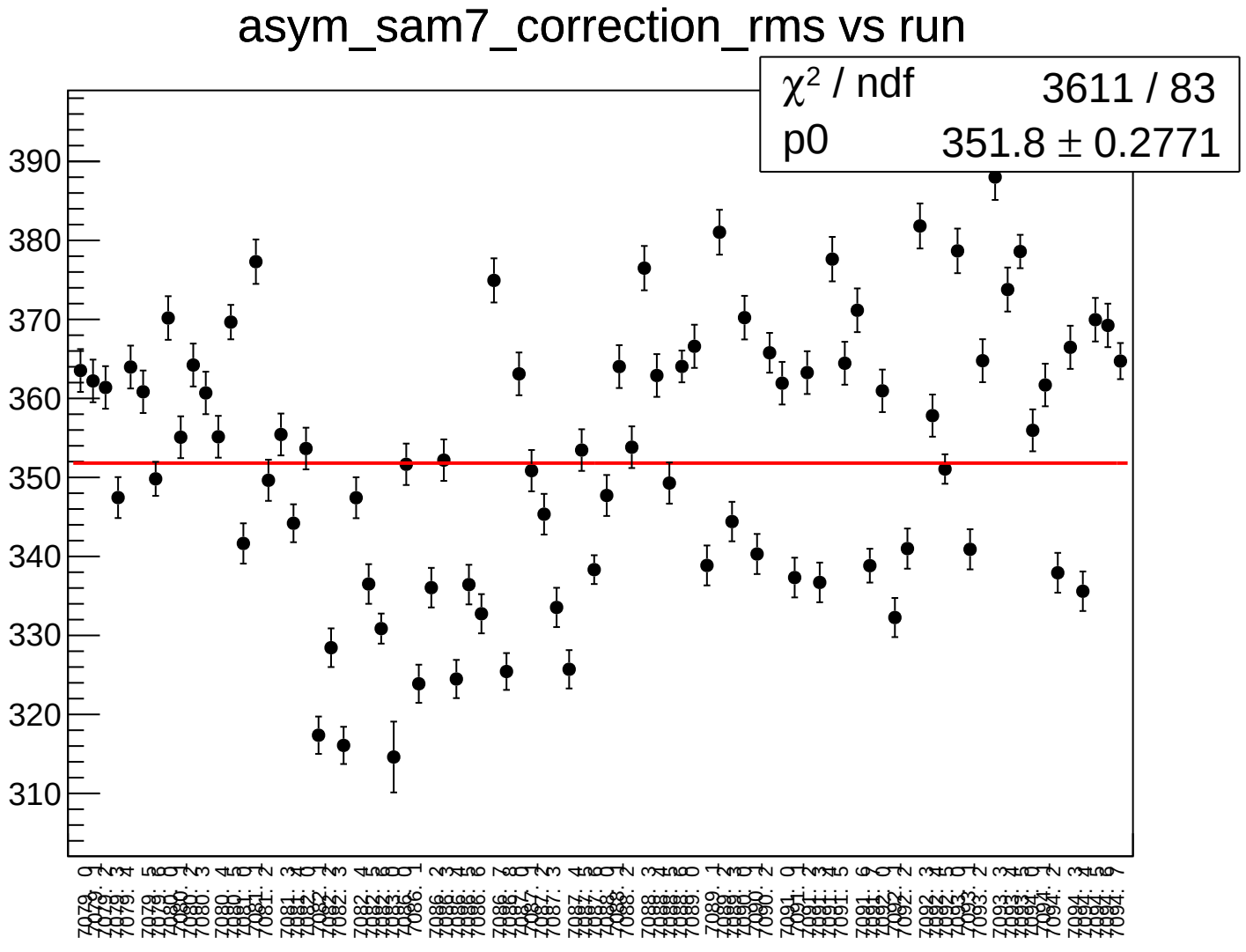

dit_asym_sam7_mean vs run
χ² / ndf 76.77 / 83
p0 189.8 ± 75.97
3000
2000
1000
0
−1000
−2000
pull
Entries 84
Mean −138
Std Dev 179.3
2
1
0
−1
−2

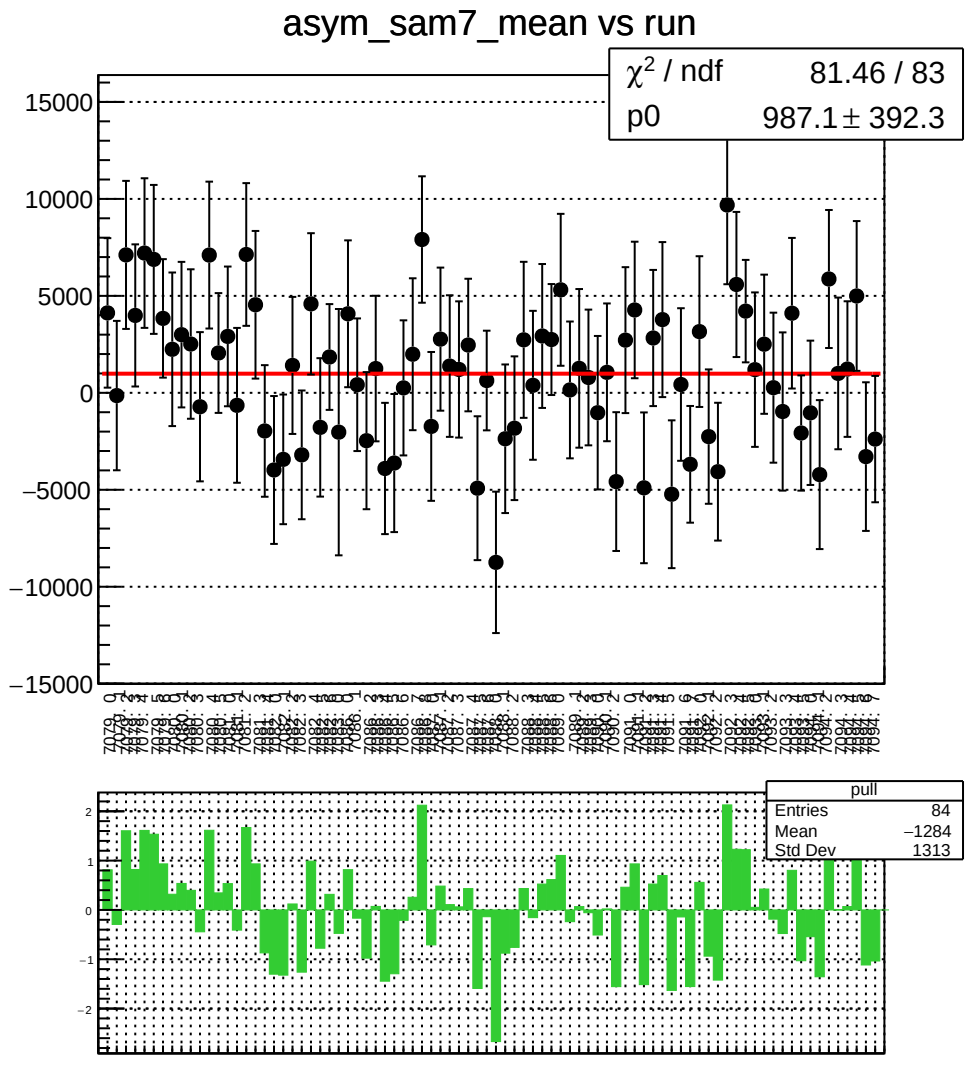

pull1D
Entries 84
Mean 0.009213
Std Dev 0.9559
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

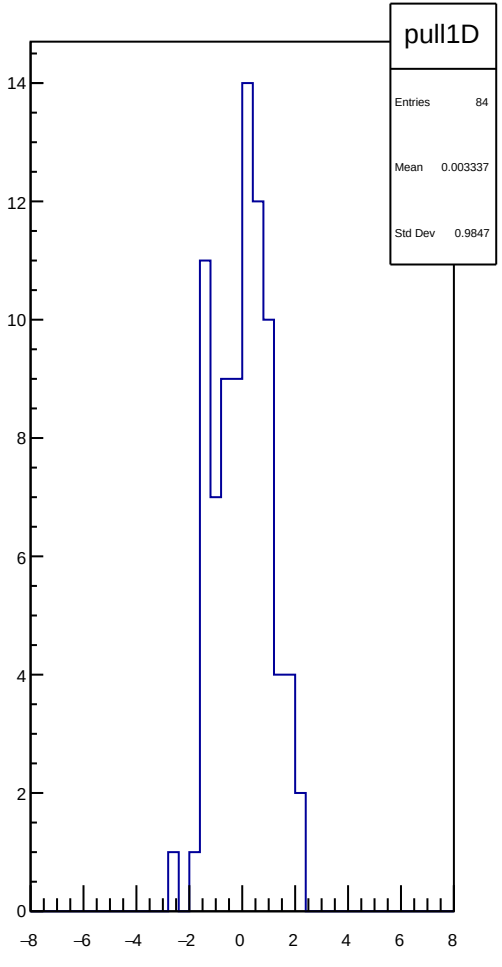

dit_asym_sam7_rms vs run
χ² / ndf 1.225e+04 / 83
p0 68.02 ± 0.05372
105
100
95
90
85
80
75
70
65
60

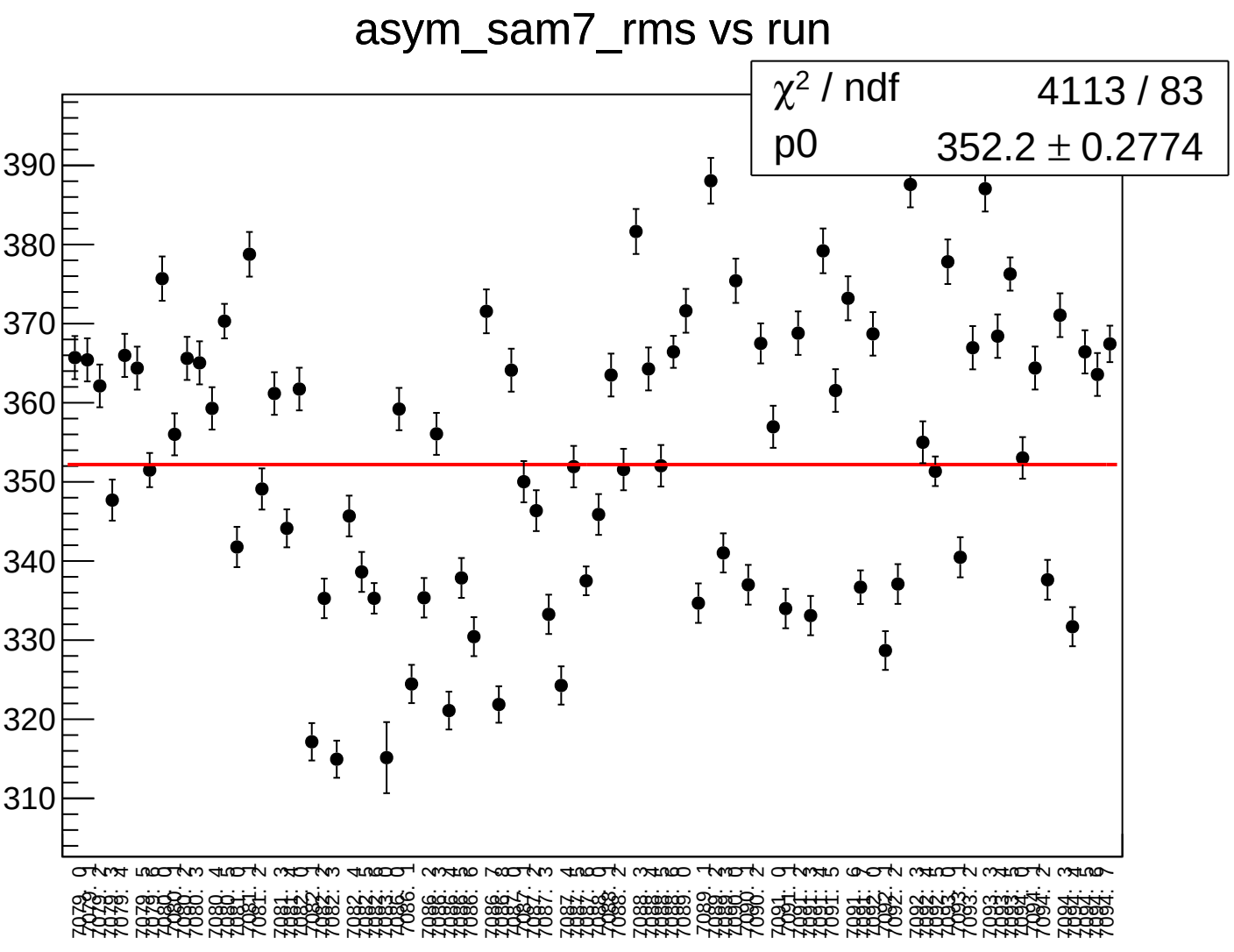

asym_sam7_correction_mean vs run
χ² / ndf 85.52 / 83
p0 −808.5 ± 391.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 1.31e+05
Std Dev 1.31e+05
3
2
1
0
−1
−2

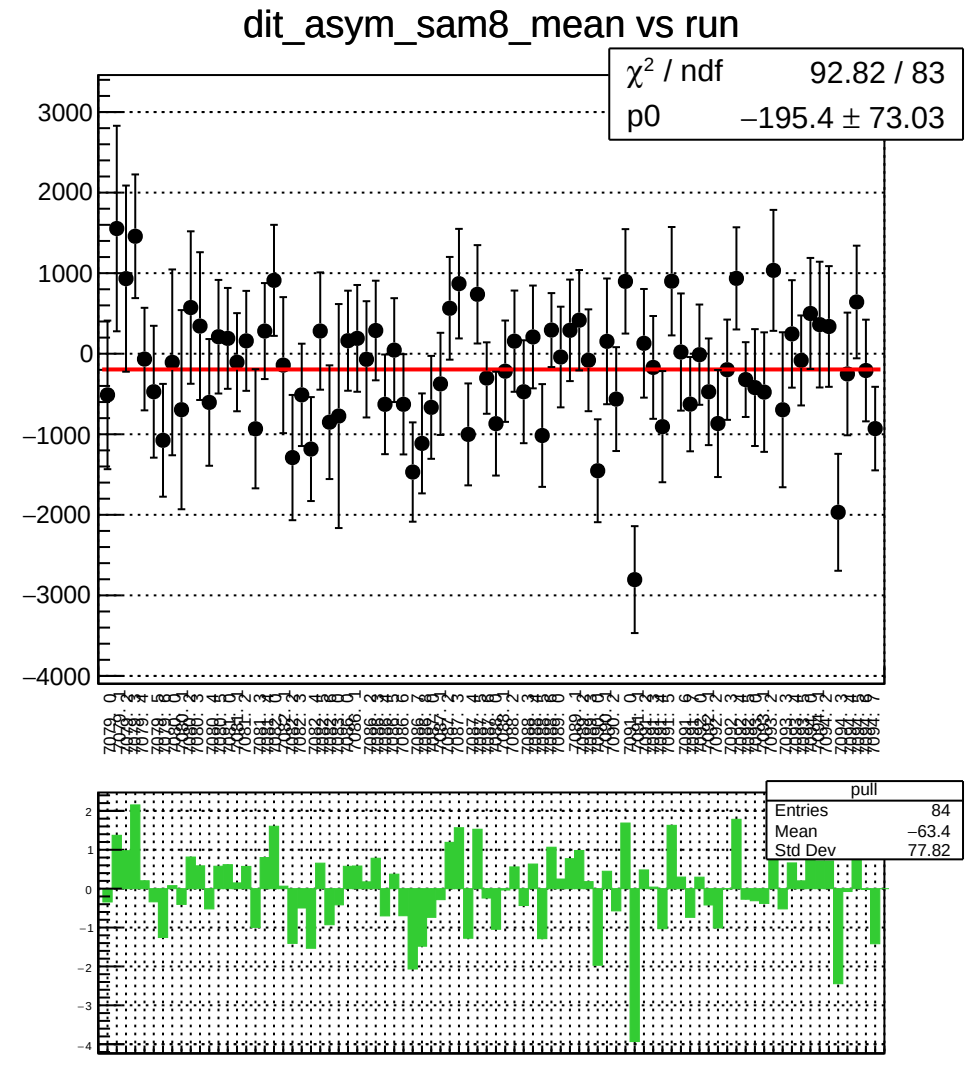

pull1D
Entries 84
Mean 3.151e−05
Std Dev 1.009
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

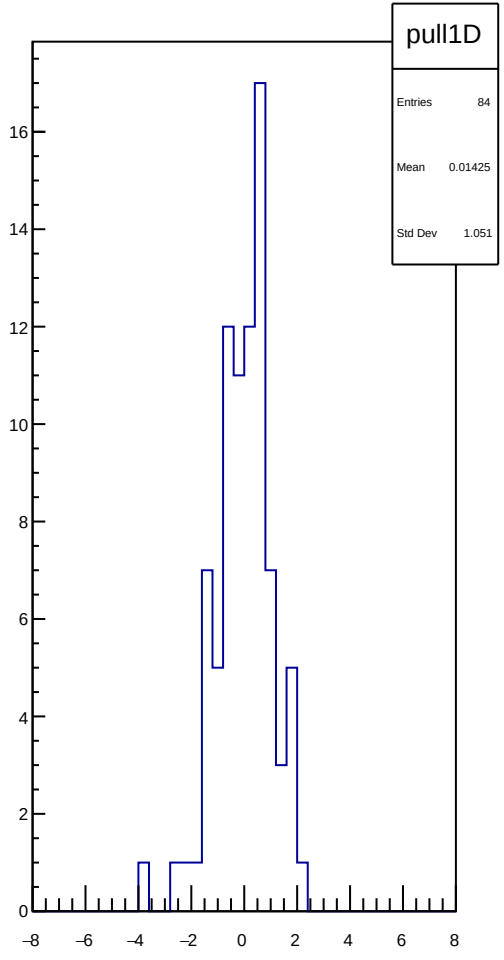

asym_sam7_correction_rms vs run
χ² / ndf 3611 / 83
p0 351.8 ± 0.2771
390
380
370
360
350
340
330
320
310

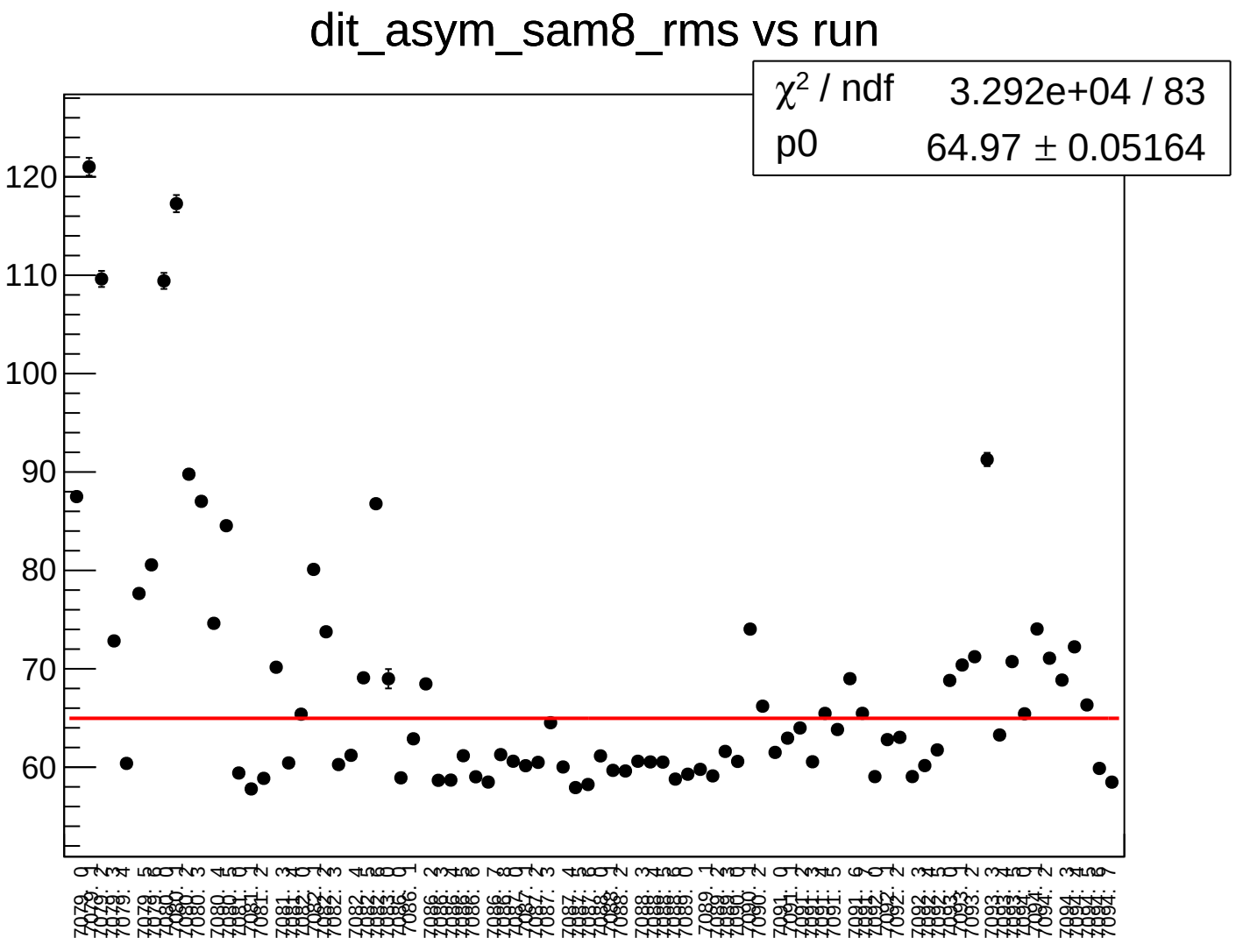

asym_sam7_mean vs run
χ² / ndf 81.46 / 83
p0 987.1 ± 392.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −1284
Std Dev 1313
2
1
0
−1
−2

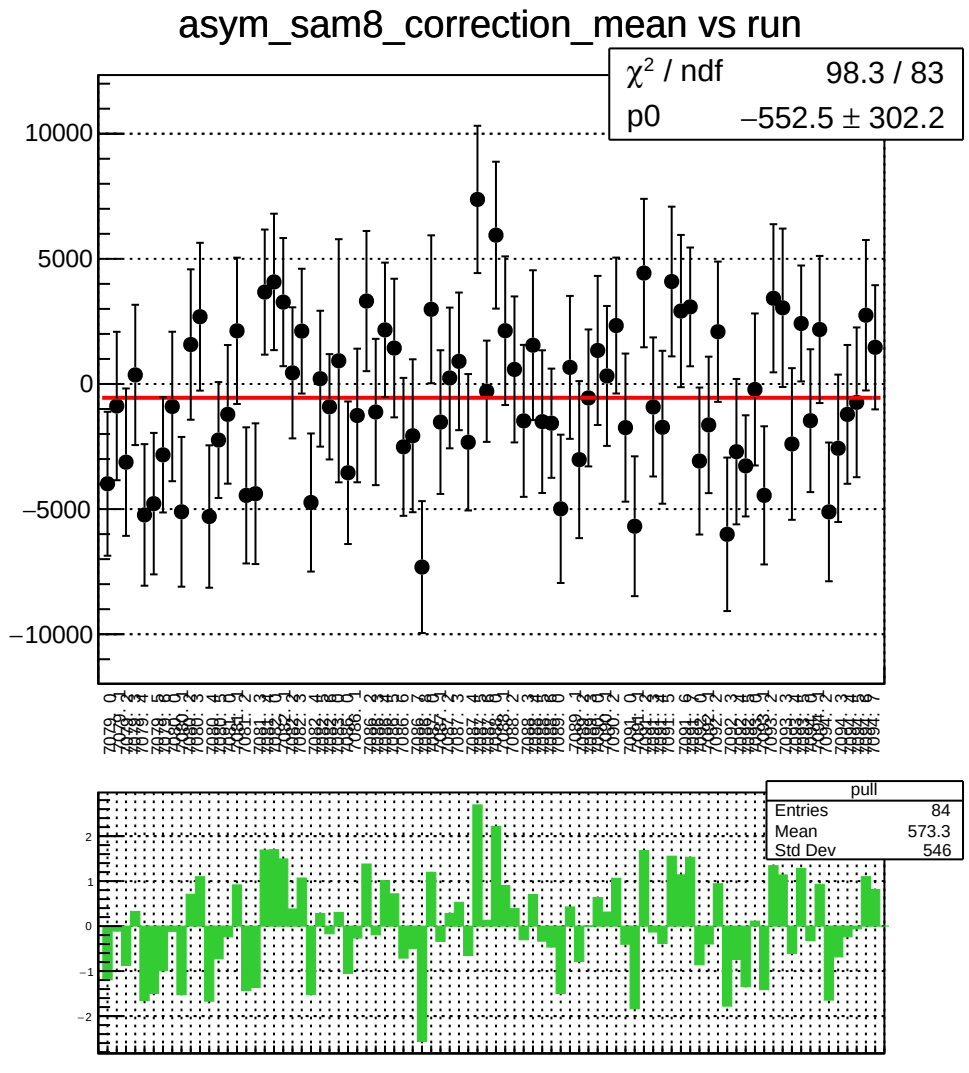

pull1D
Entries 84
Mean 0.003337
Std Dev 0.9847
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

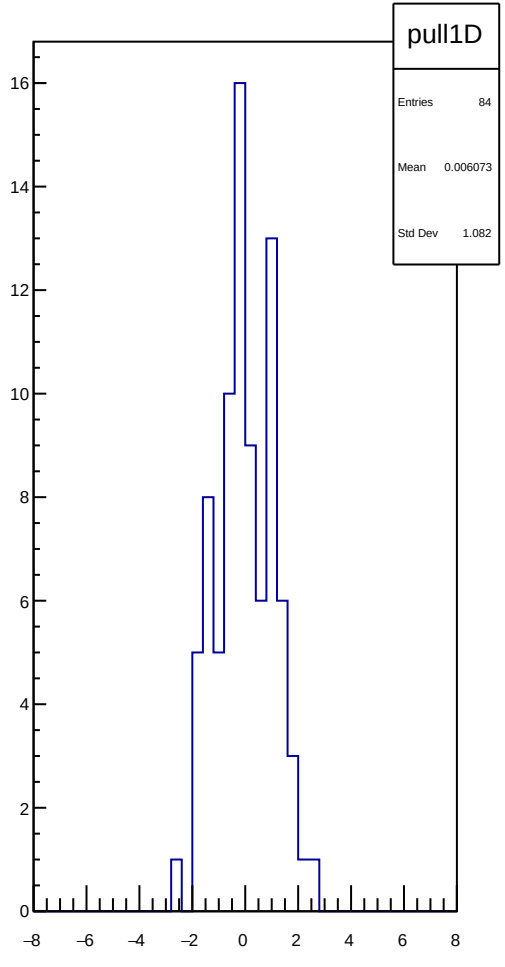

asym_sam7_rms vs run
χ² / ndf 4113 / 83
p0 352.2 ± 0.2774
390
380
370
360
350
340
330
320
310

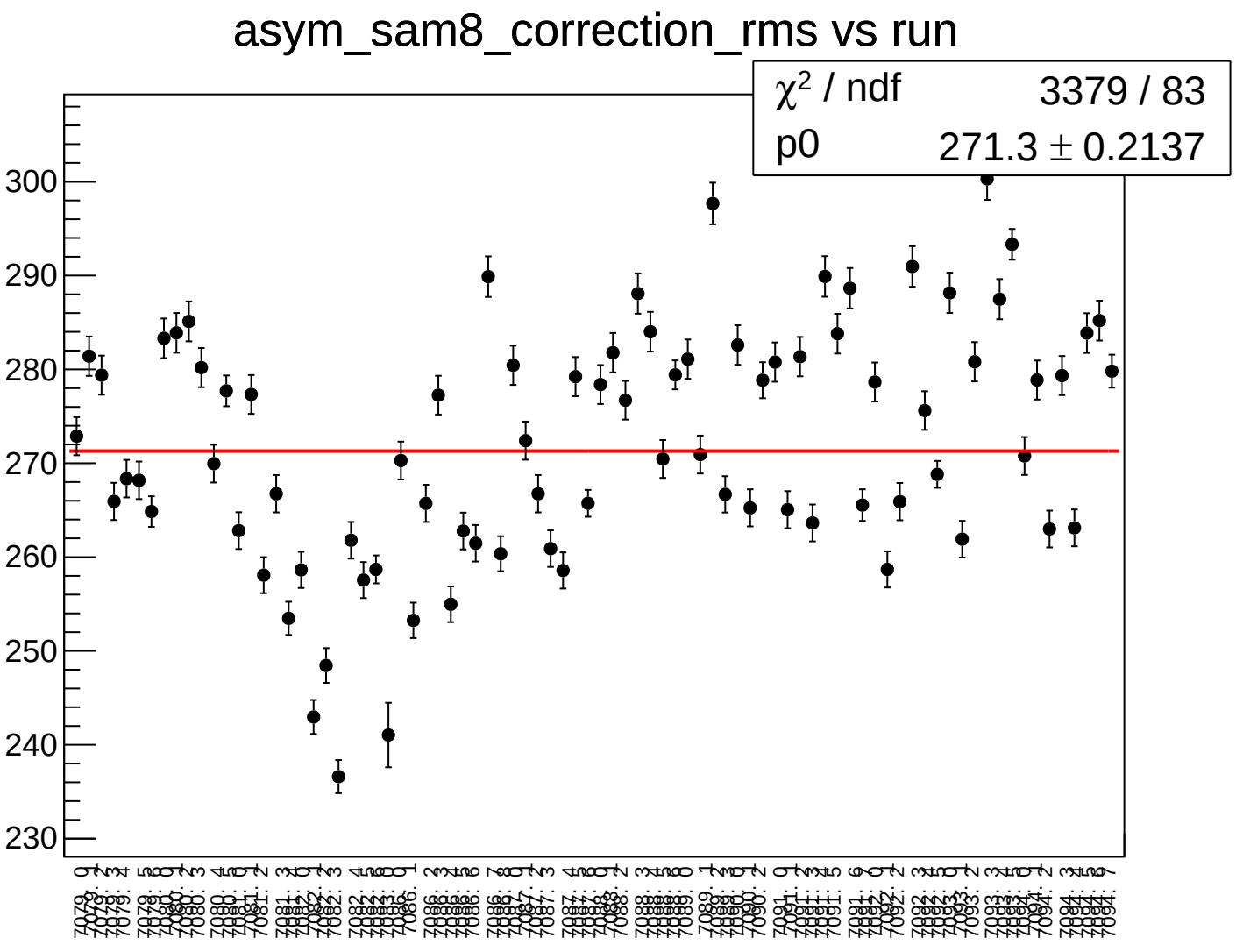

dit_asym_sam8_mean vs run
χ² / ndf 92.82 / 83
p0 −195.4 ± 73.03
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 84
Mean −63.4
Std Dev 77.82
2
1
0
−1
−2
−3
−4

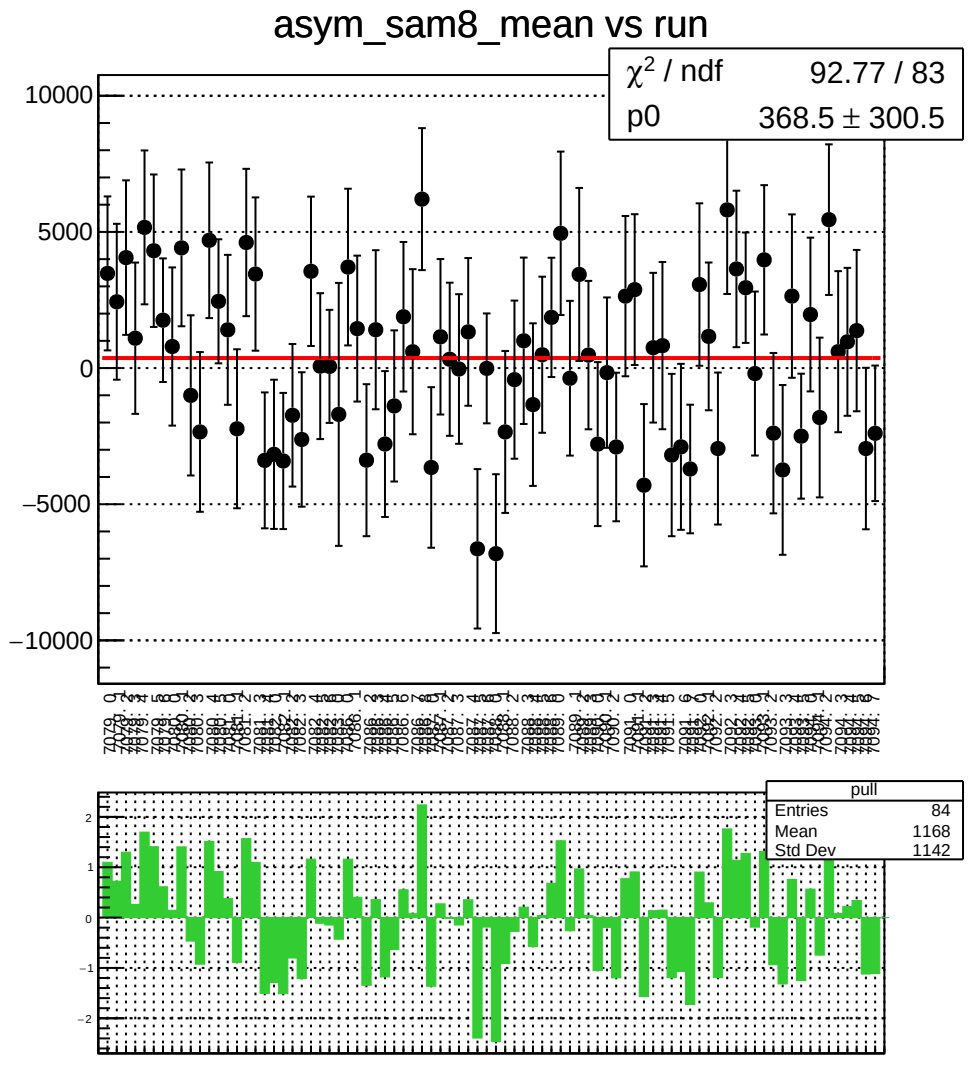

pull1D
Entries 84
Mean 0.01425
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

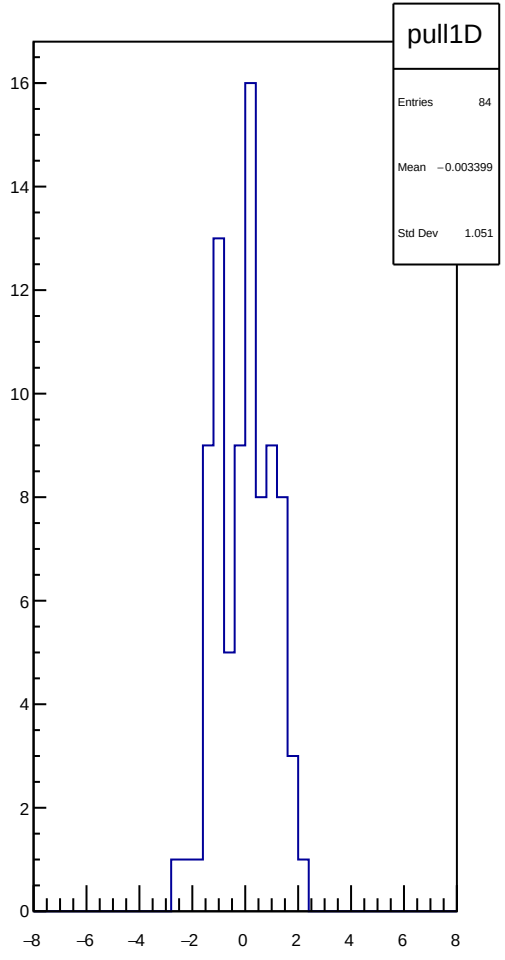

dit_asym_sam8_rms vs run
χ² / ndf 3.292e+04 / 83
p0 64.97 ± 0.05164
120
110
100
90
80
70
60

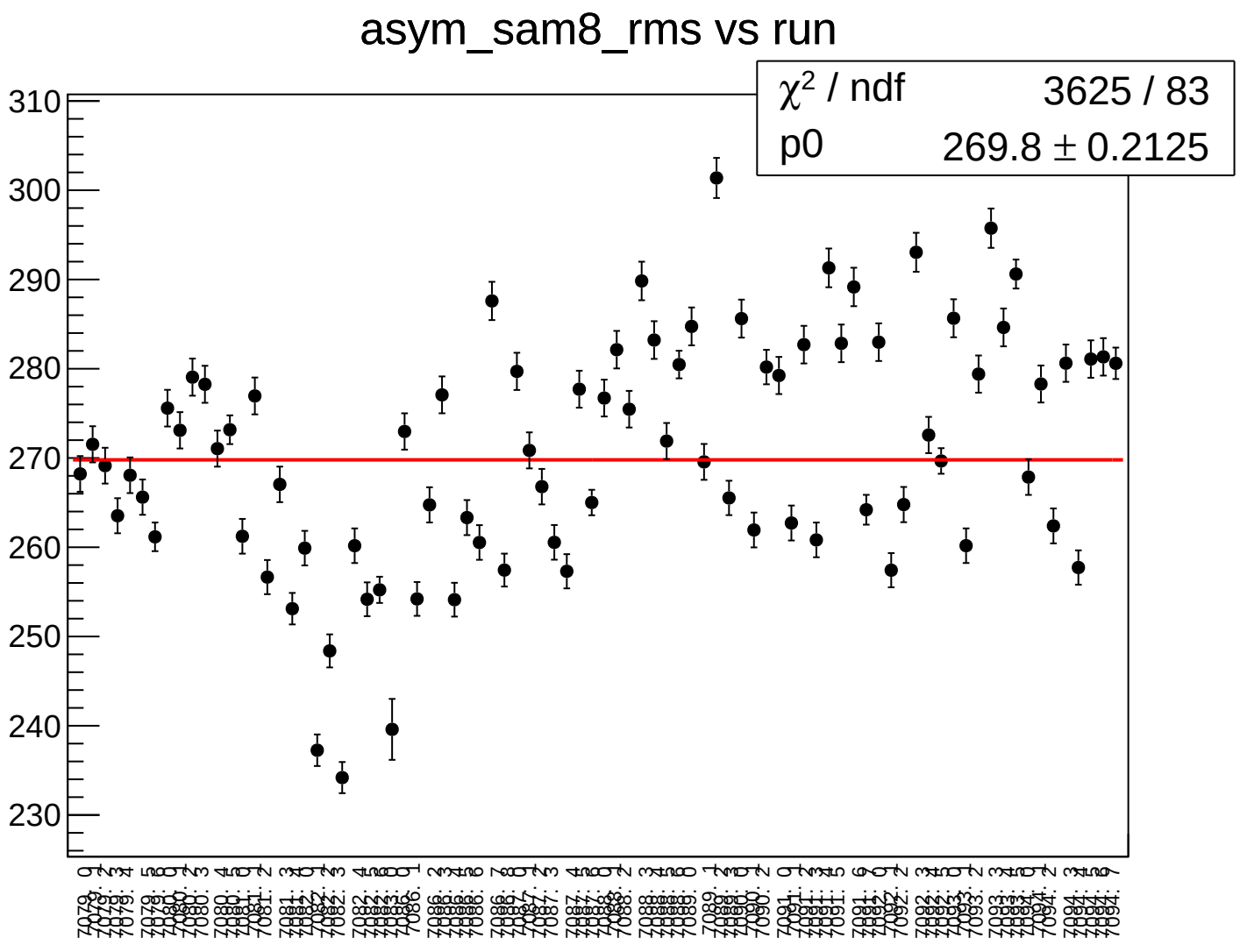

asym_sam8_correction_mean vs run
χ² / ndf 98.3 / 83
p0 −552.5 ± 302.2
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 573.3
Std Dev 546
2
1
0
−1
−2

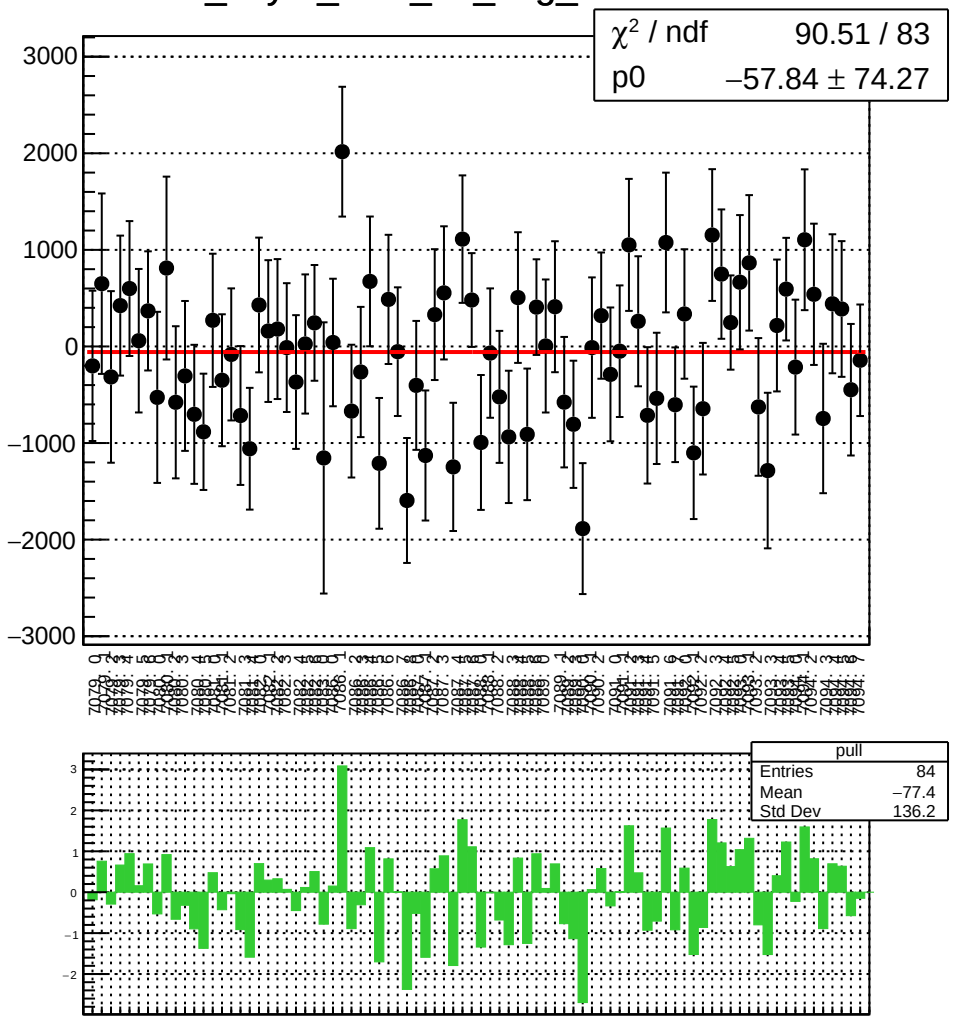

pull1D
Entries 84
Mean 0.006073
Std Dev 1.082
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

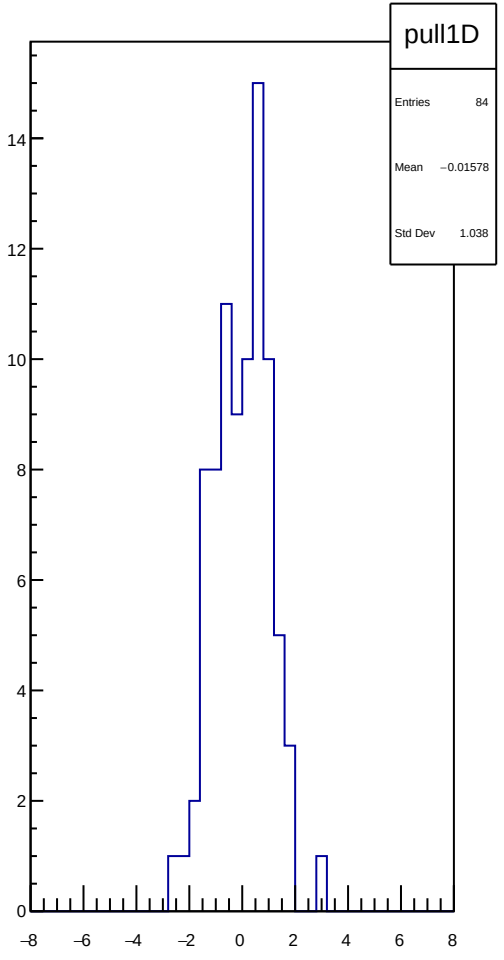

asym_sam8_correction_rms vs run
χ² / ndf 3379 / 83
p0 271.3 ± 0.2137
300
290
280
270
260
250
240
230

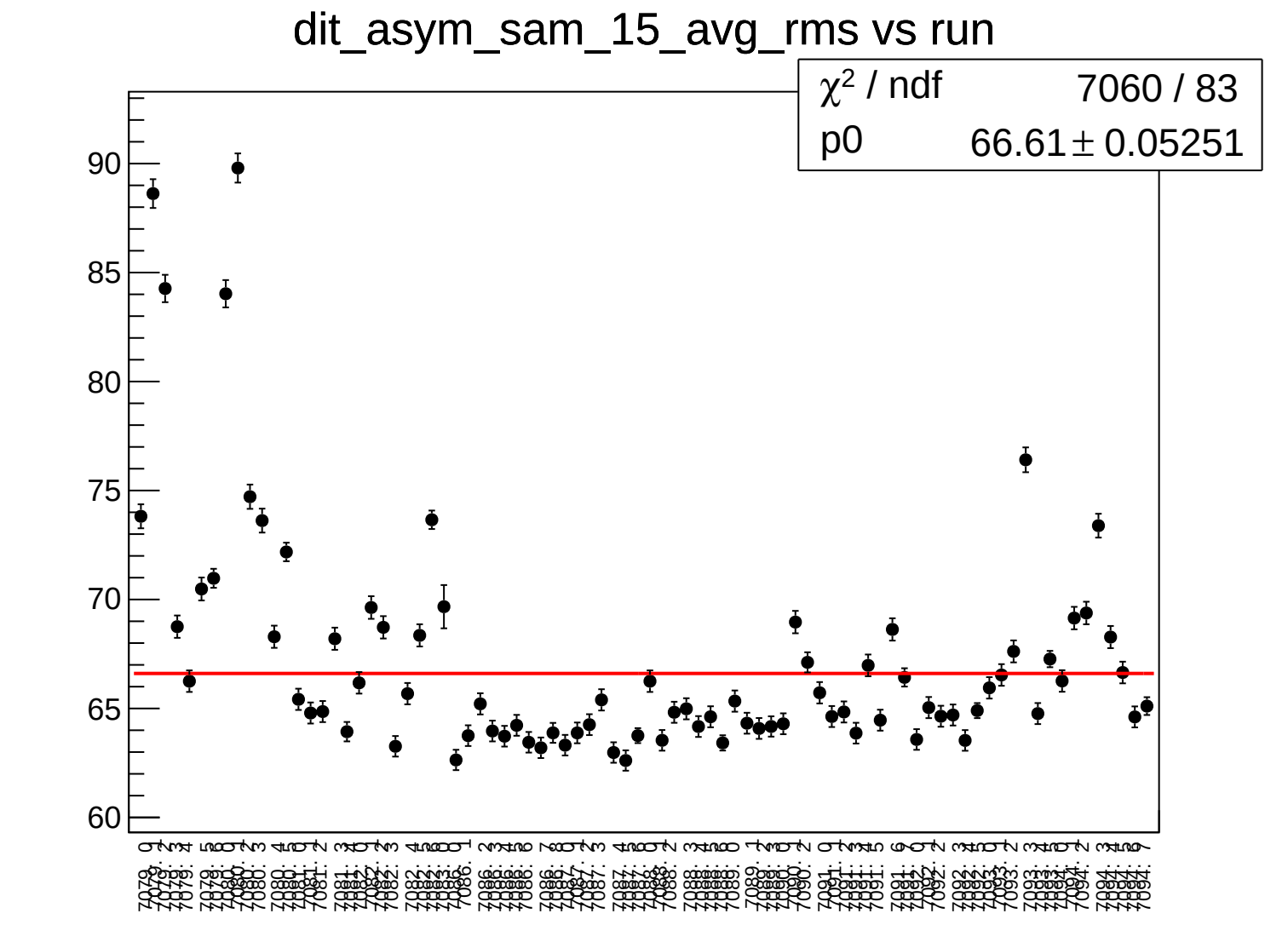

asym_sam8_mean vs run
χ^2 / ndf 92.77 / 83
p0 368.5 ± 300.5
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 1168
Std Dev 1142
2
1
0
−1
−2

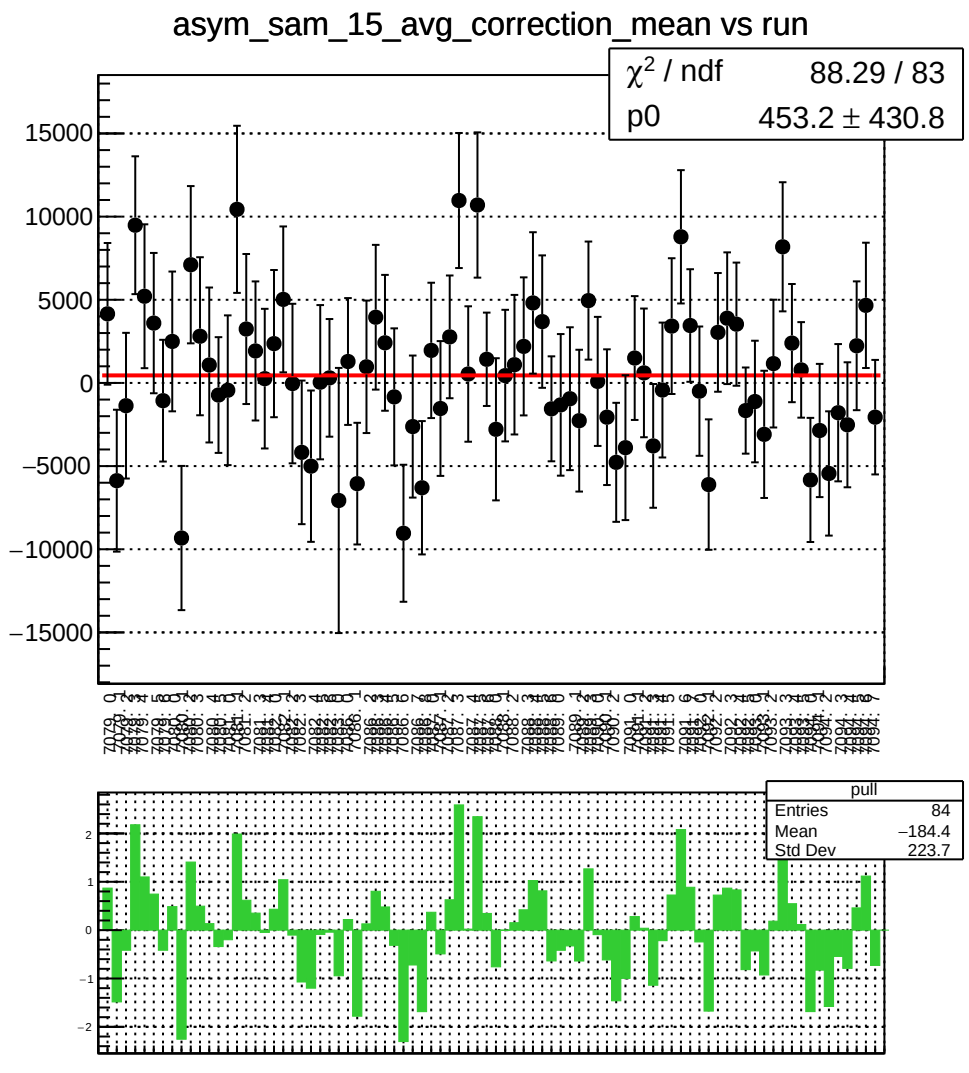

pull1D
Entries 84
Mean −0.003399
Std Dev 1.051
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

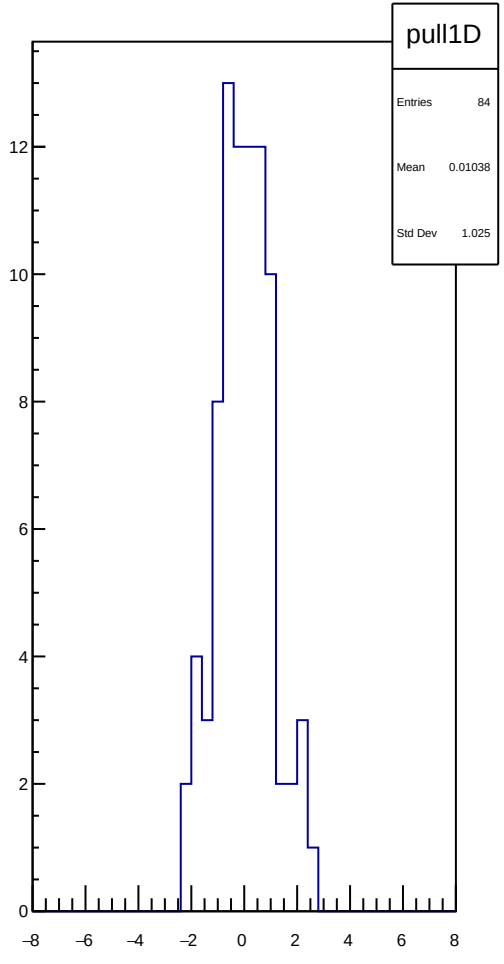

asym_sam8_rms vs run
χ² / ndf 3625 / 83
p0 269.8 ± 0.2125
310
300
290
280
270
260
250
240
230

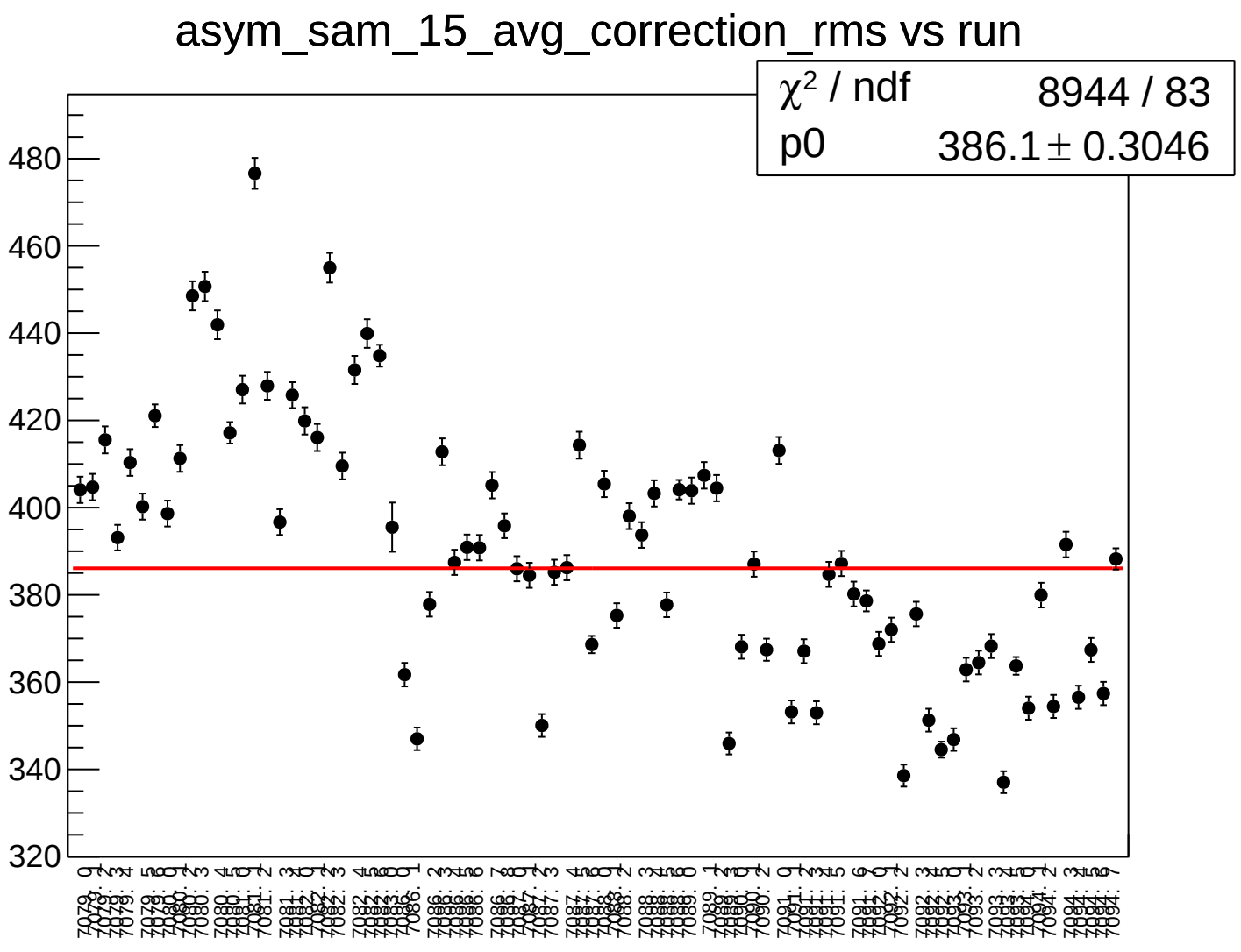

dit_asym_sam_15_avg_mean vs run
χ² / ndf 90.51 / 83
p0 −57.84 ± 74.27
pull
Entries 84
Mean −77.4
Std Dev 136.2

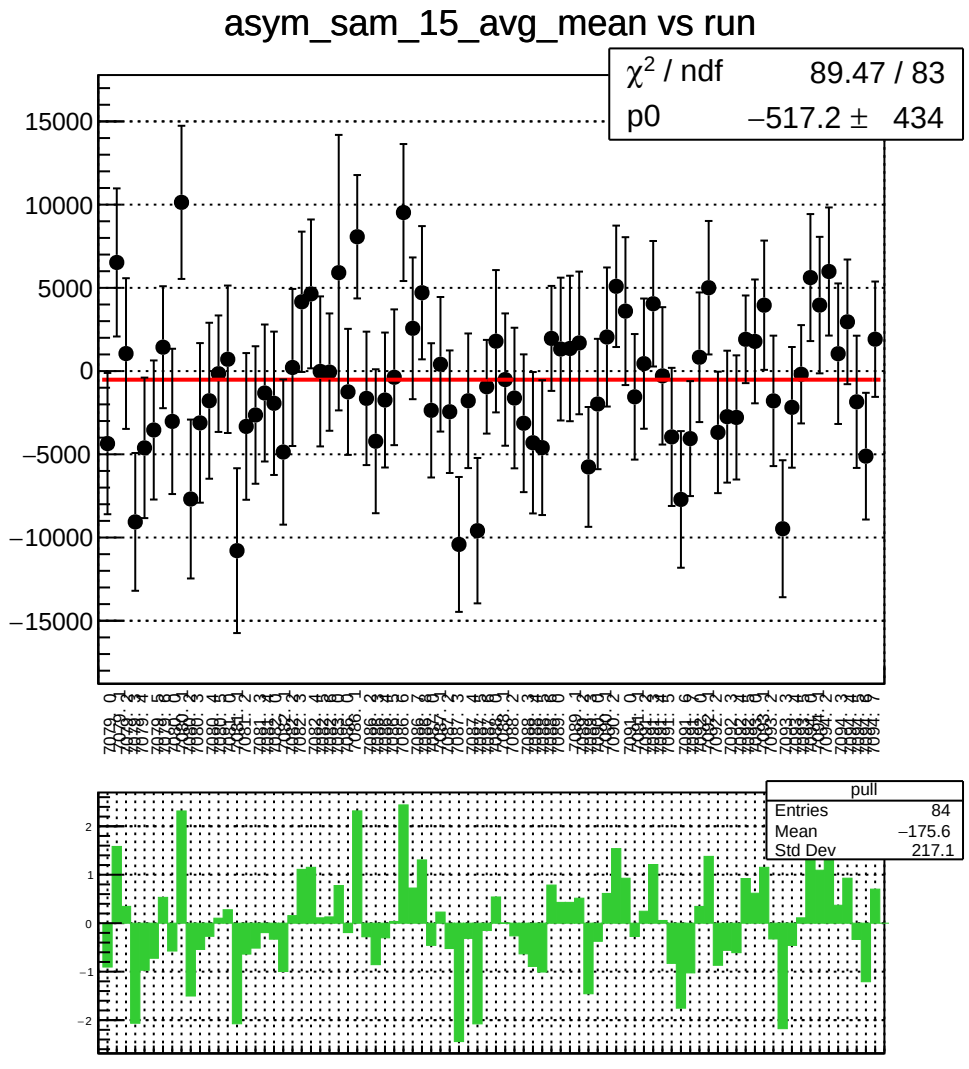

pull1D
Entries 84
Mean −0.01578
Std Dev 1.038

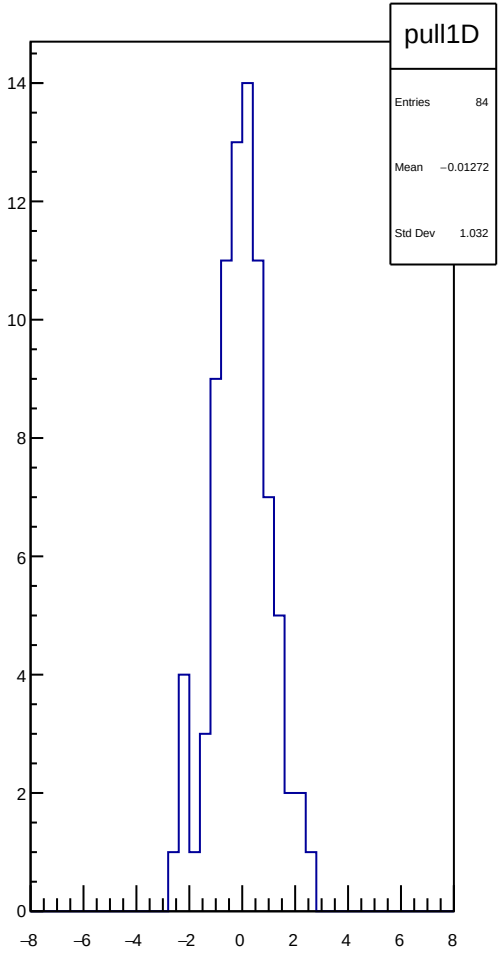

dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 7060 / 83
p0 66.61 ± 0.05251
90
85
80
75
70
65
60

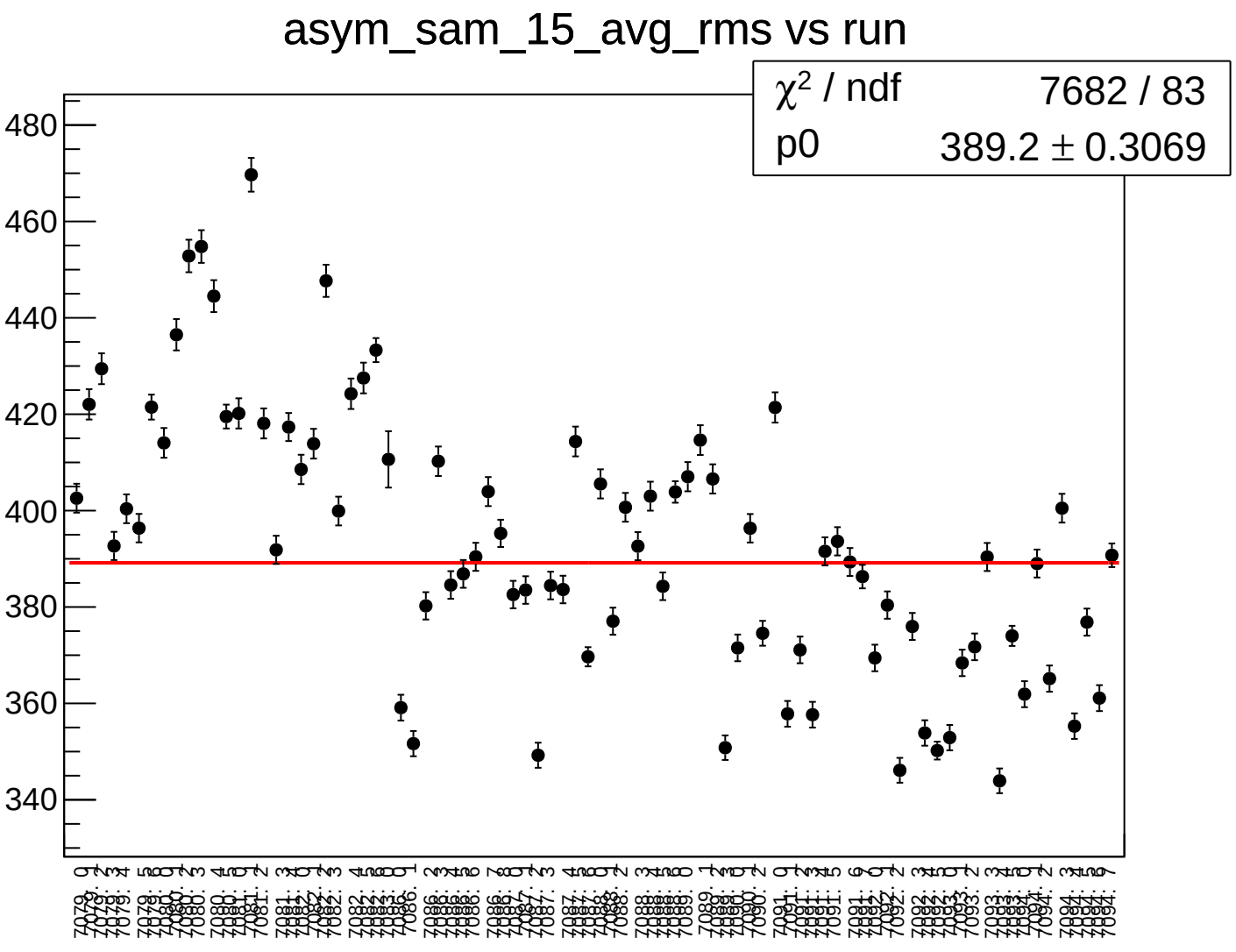

asym_sam_15_avg_correction_mean vs run
χ² / ndf 88.29 / 83
p0 453.2 ± 430.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −184.4
Std Dev 223.7
2
1
0
−1
−2

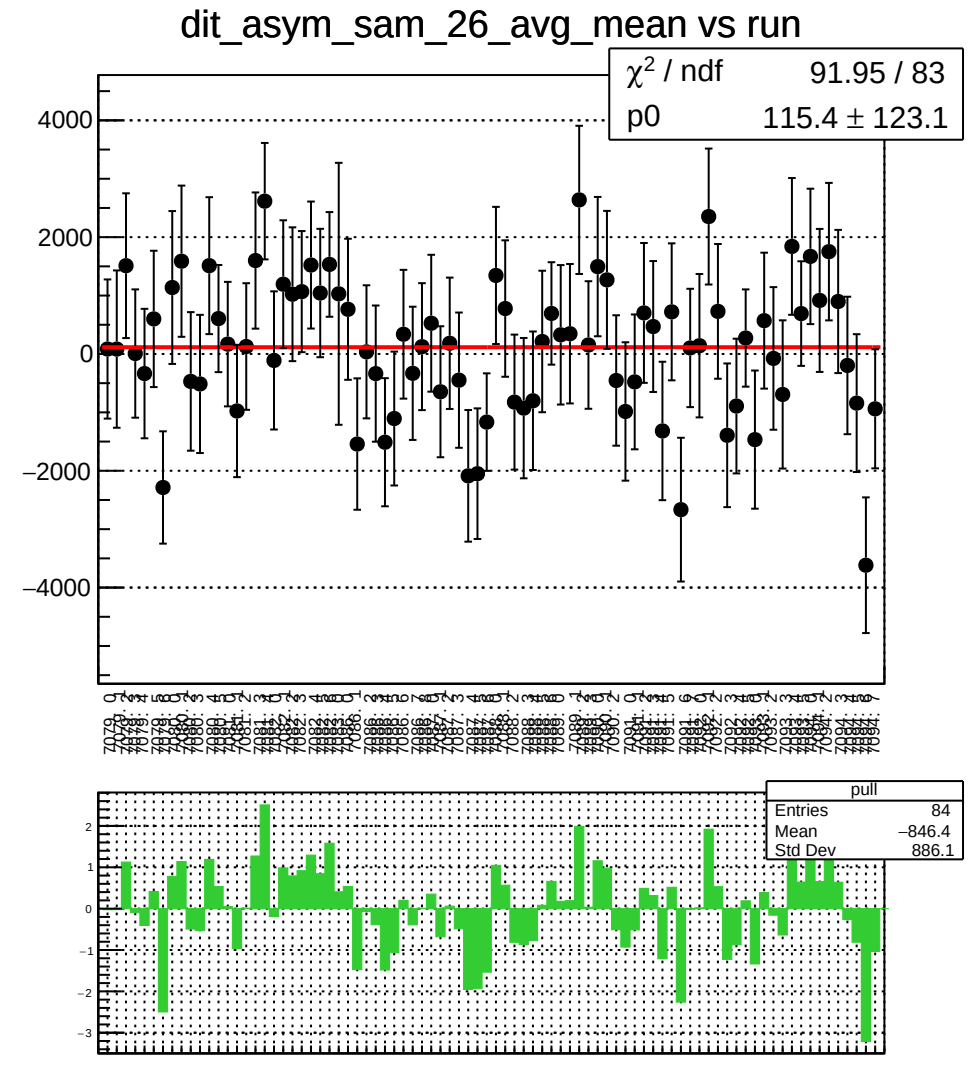

pull1D
Entries 84
Mean 0.01038
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

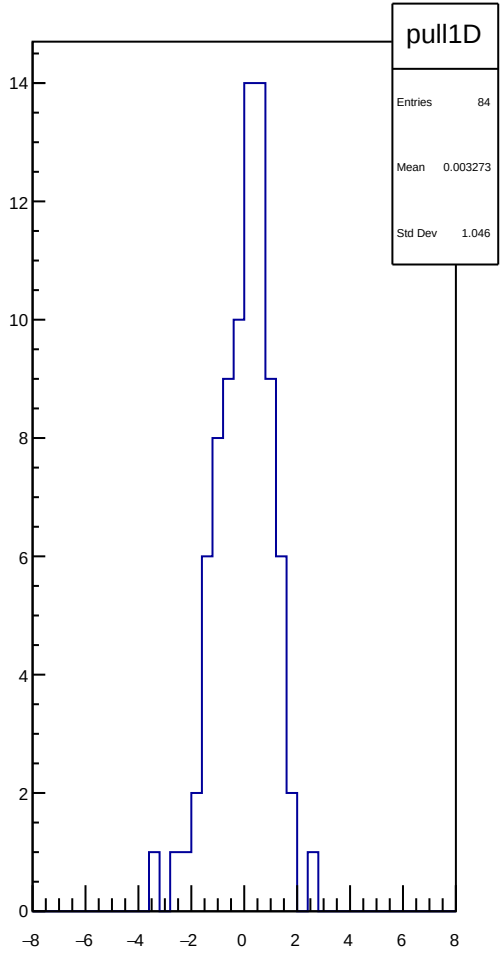

asym_sam_15_avg_correction_rms vs run
χ² / ndf 8944 / 83
p0 386.1 ± 0.3046
480
460
440
420
400
380
360
340
320

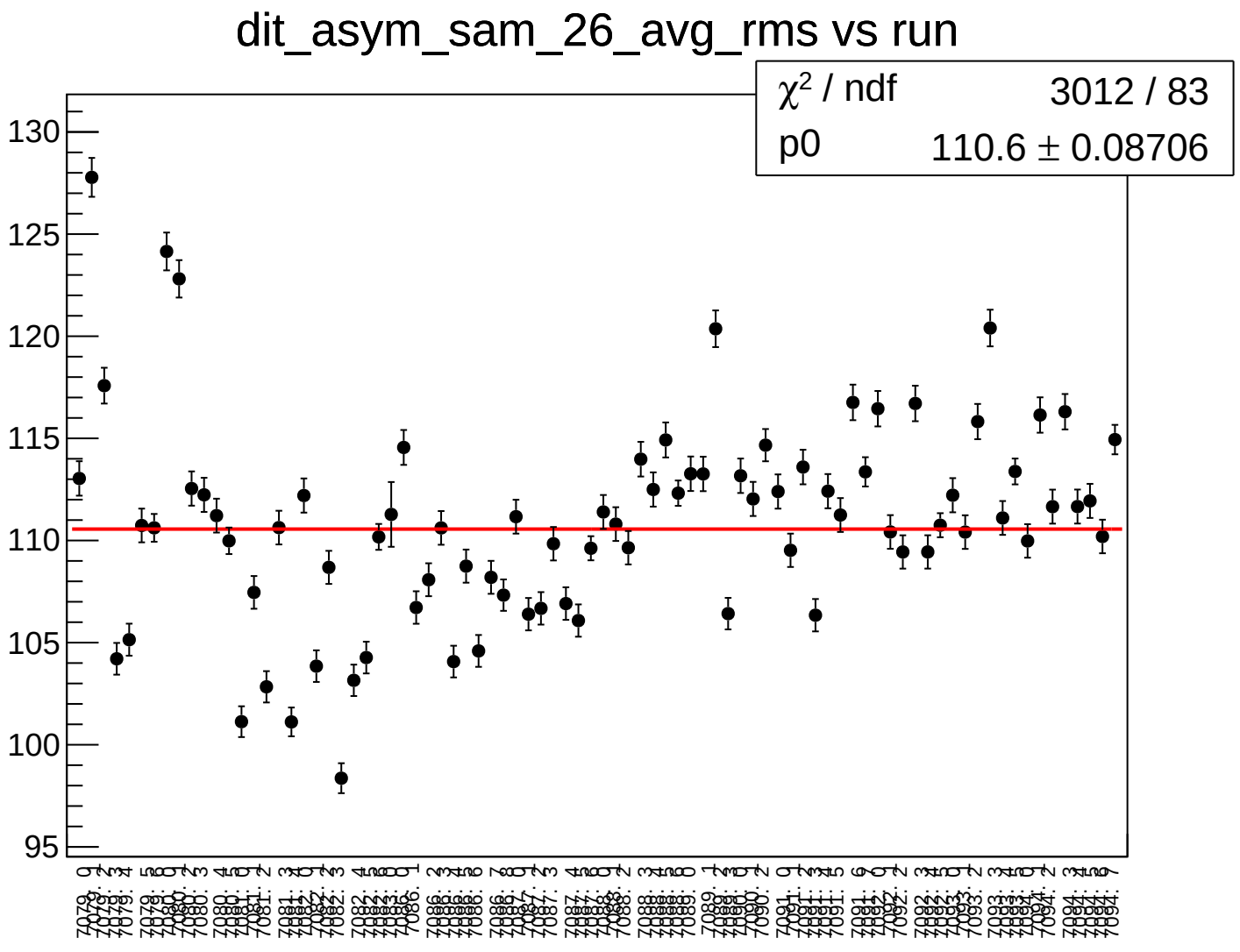

asym_sam_15_avg_mean vs run
χ² / ndf 89.47 / 83
p0 −517.2 ± 434
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −175.6
Std Dev 217.1
2
1
0
−1
−2

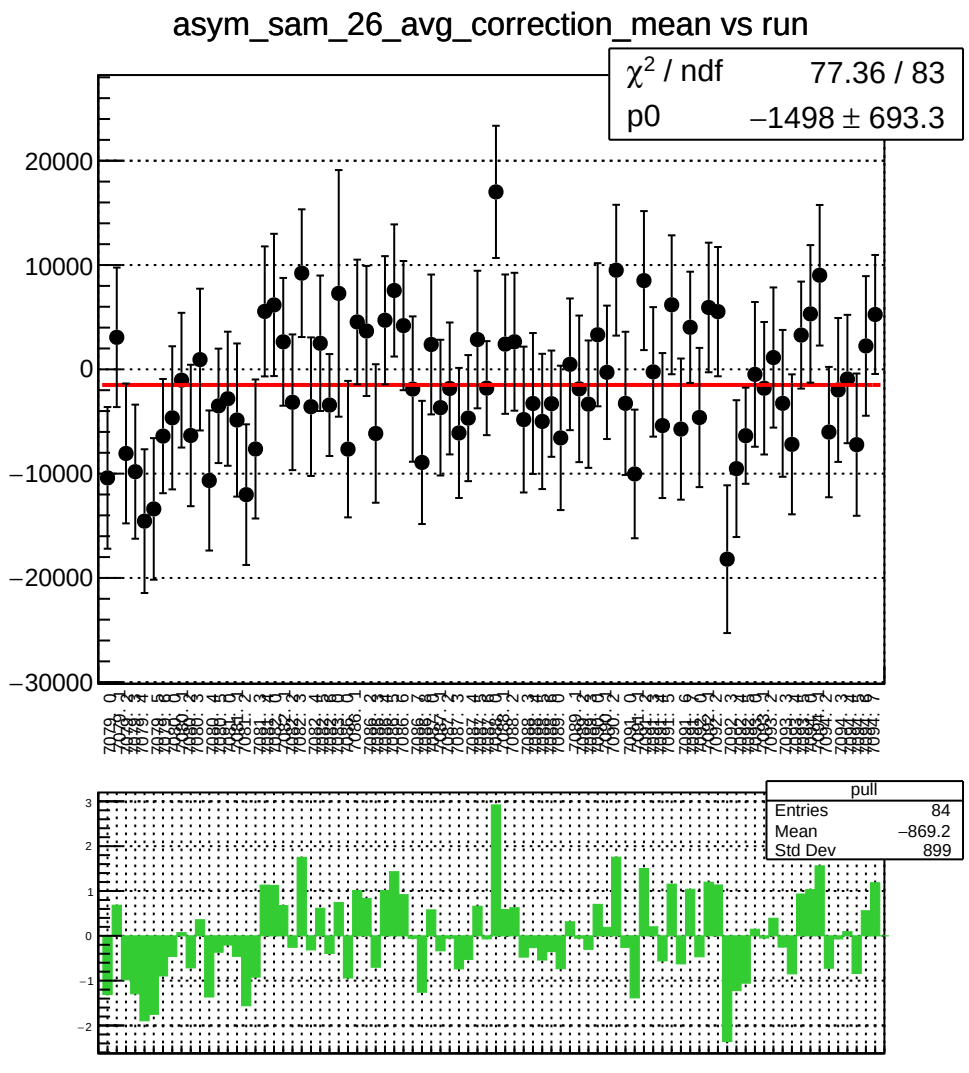

pull1D
Entries 84
Mean −0.01272
Std Dev 1.032
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

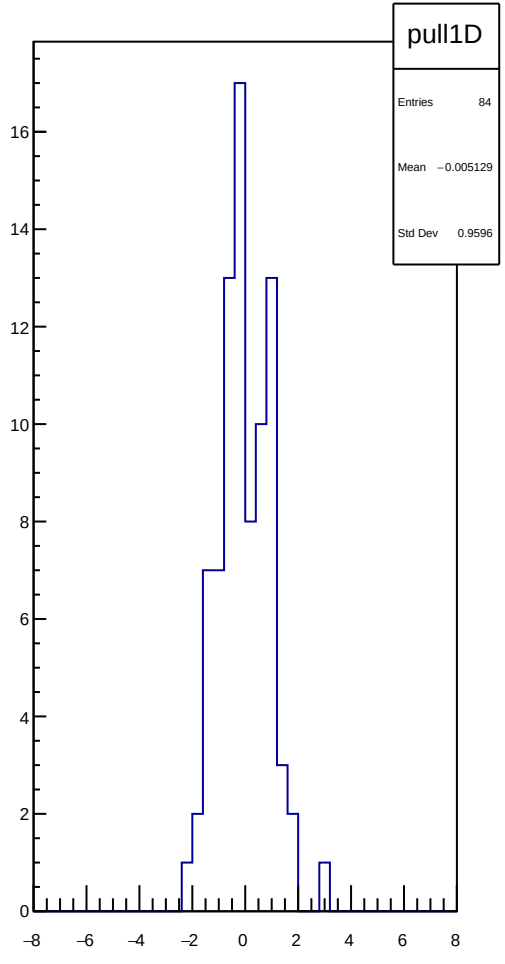

asym_sam_15_avg_rms vs run
χ² / ndf 7682 / 83
p0 389.2 ± 0.3069
480
460
440
420
400
380
360
340

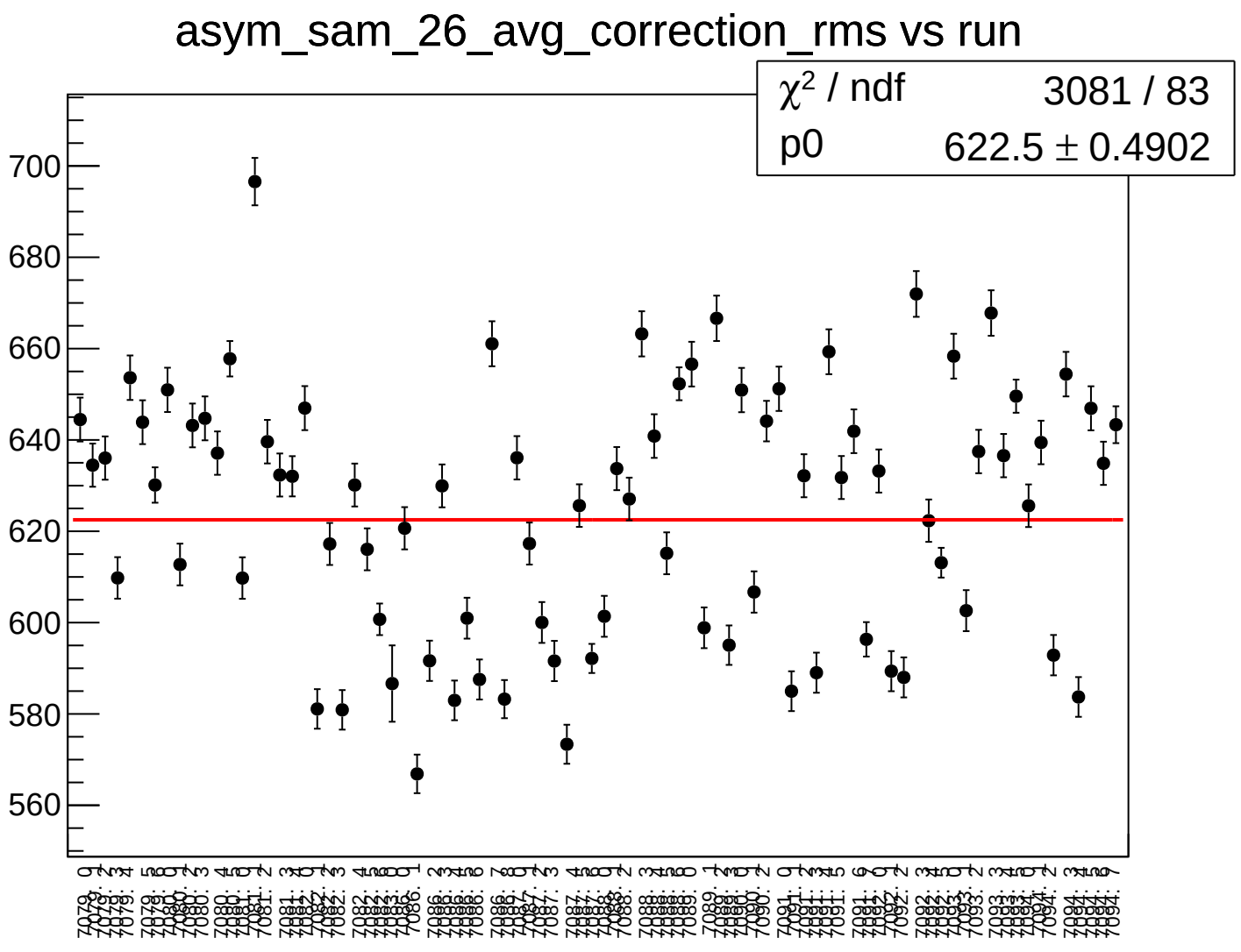

dit_asym_sam_26_avg_mean vs run
χ² / ndf 91.95 / 83
p0 115.4 ± 123.1
4000
2000
0
−2000
−4000
pull
Entries 84
Mean −846.4
Std Dev 886.1
2
1
0
−1
−2
−3

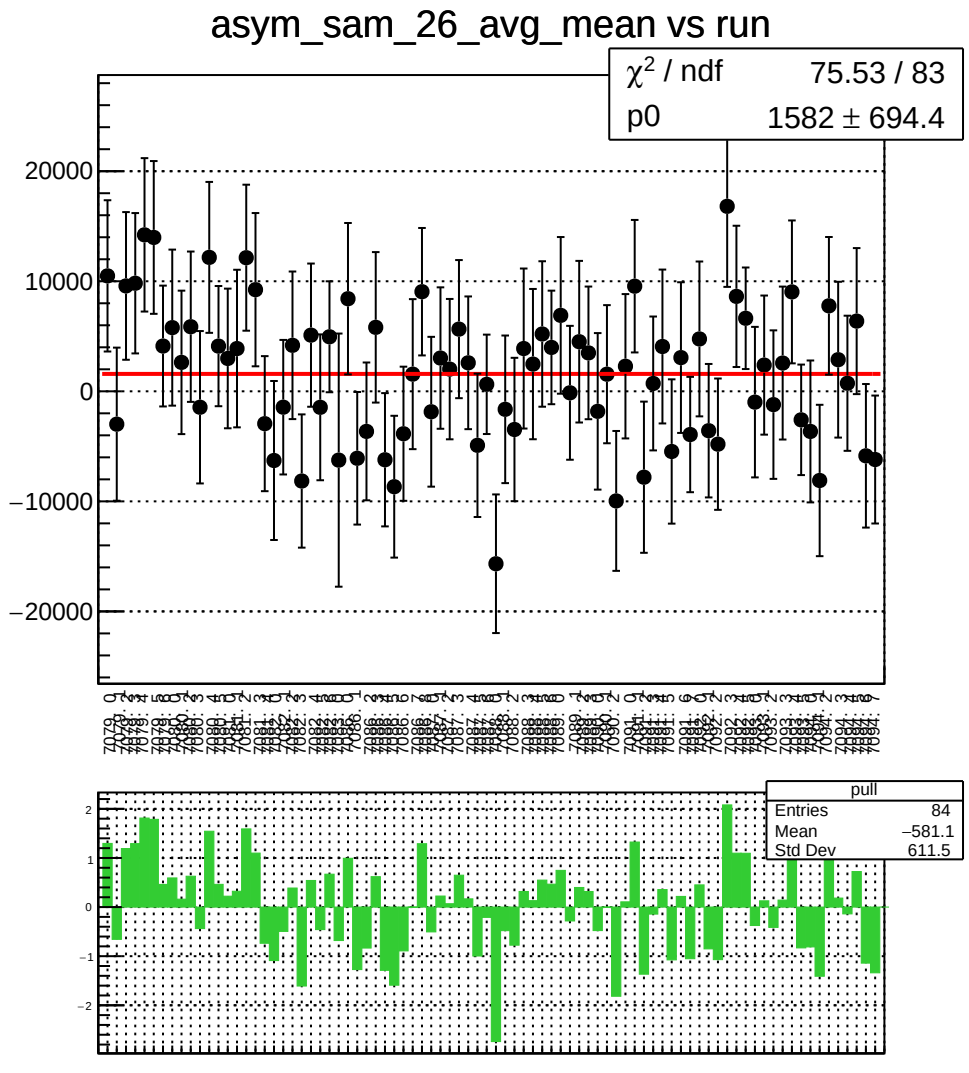

pull1D
Entries 84
Mean 0.003273
Std Dev 1.046
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

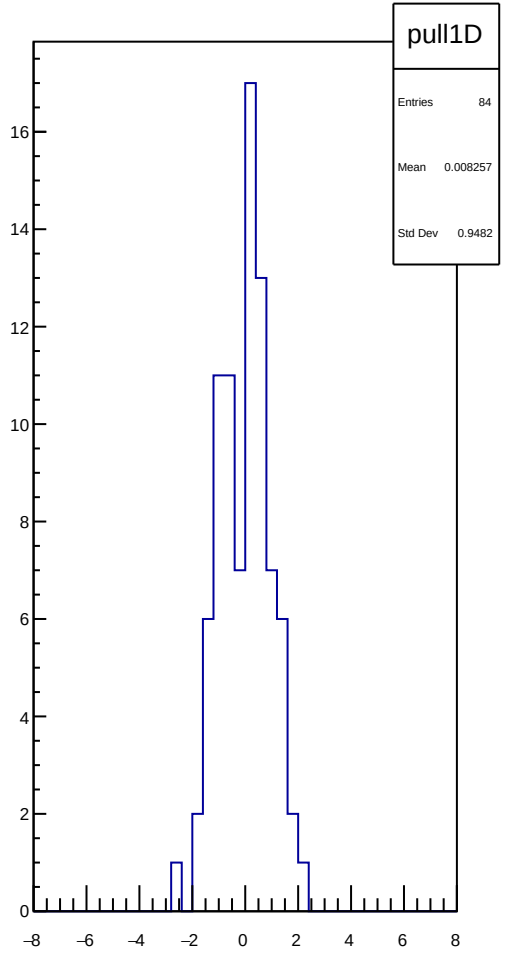

dit_asym_sam_26_avg_rms vs run
χ² / ndf 3012 / 83
p0 110.6 ± 0.08706
130
125
120
115
110
105
100
95

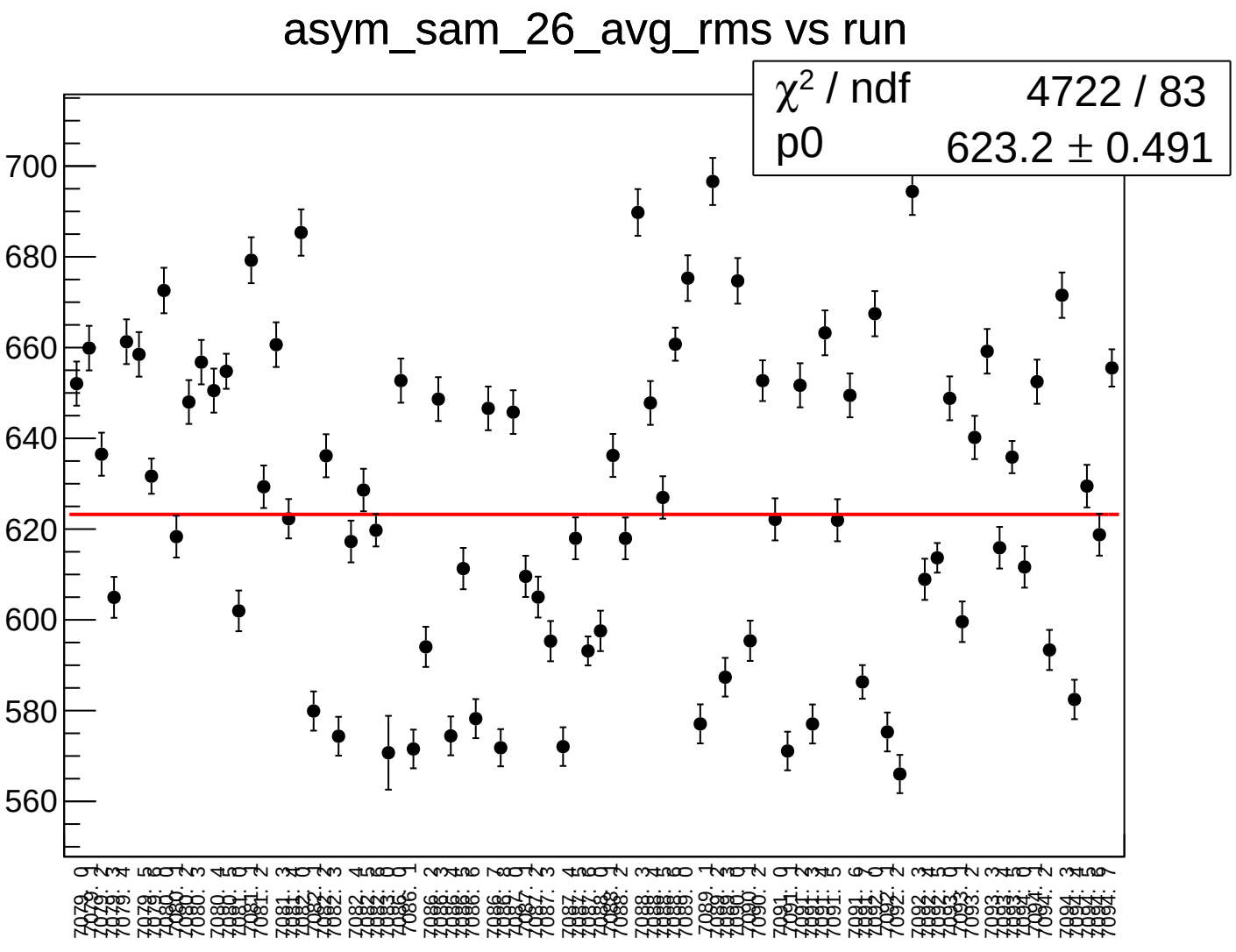

asym_sam_26_avg_correction_mean vs run
χ² / ndf 77.36 / 83
p0 −1498 ± 693.3
pull
Entries 84
Mean −869.2
Std Dev 899

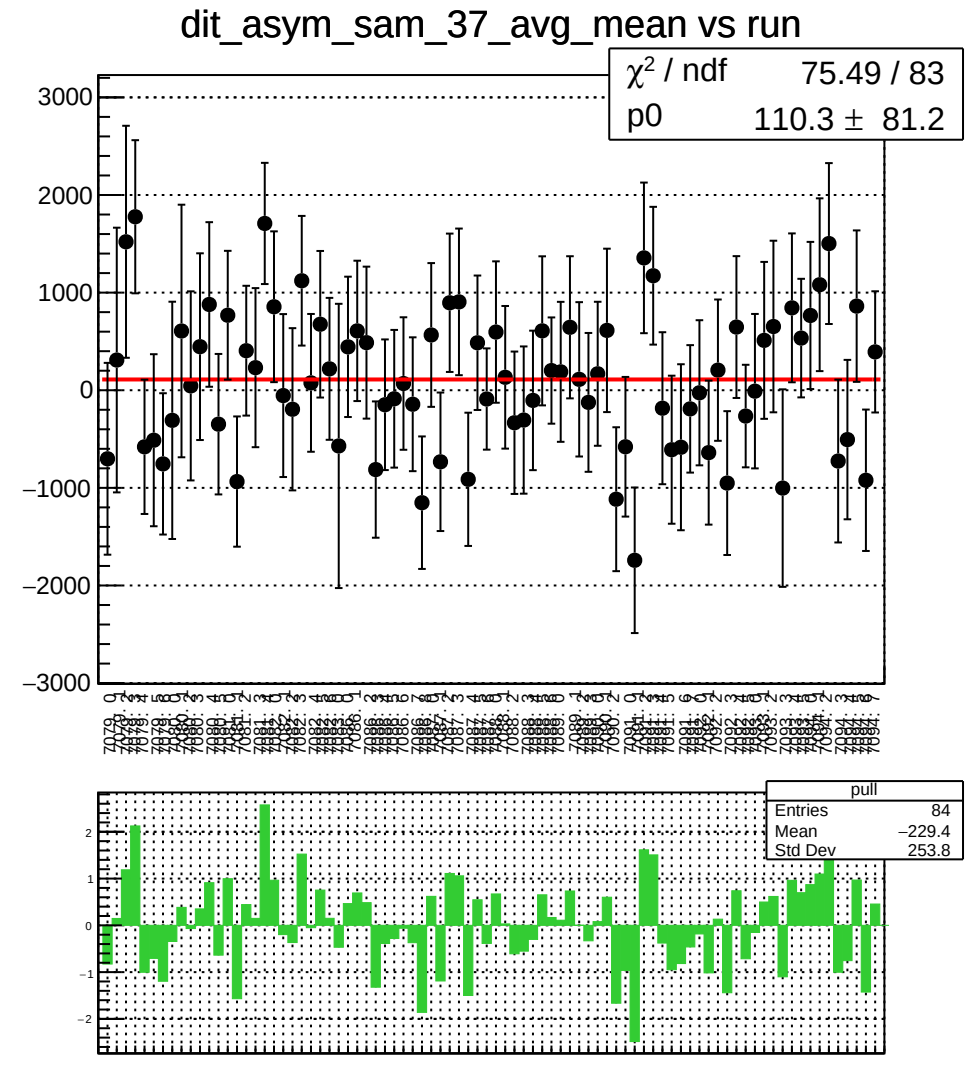

pull1D
Entries 84
Mean −0.005129
Std Dev 0.9596

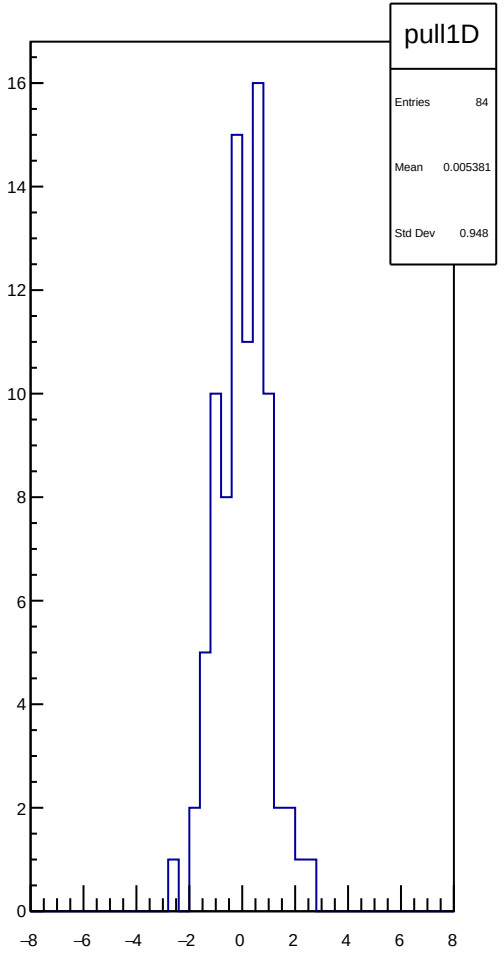

asym_sam_26_avg_correction_rms vs run
χ² / ndf 3081 / 83
p0 622.5 ± 0.4902
700
680
660
640
620
600
580
560

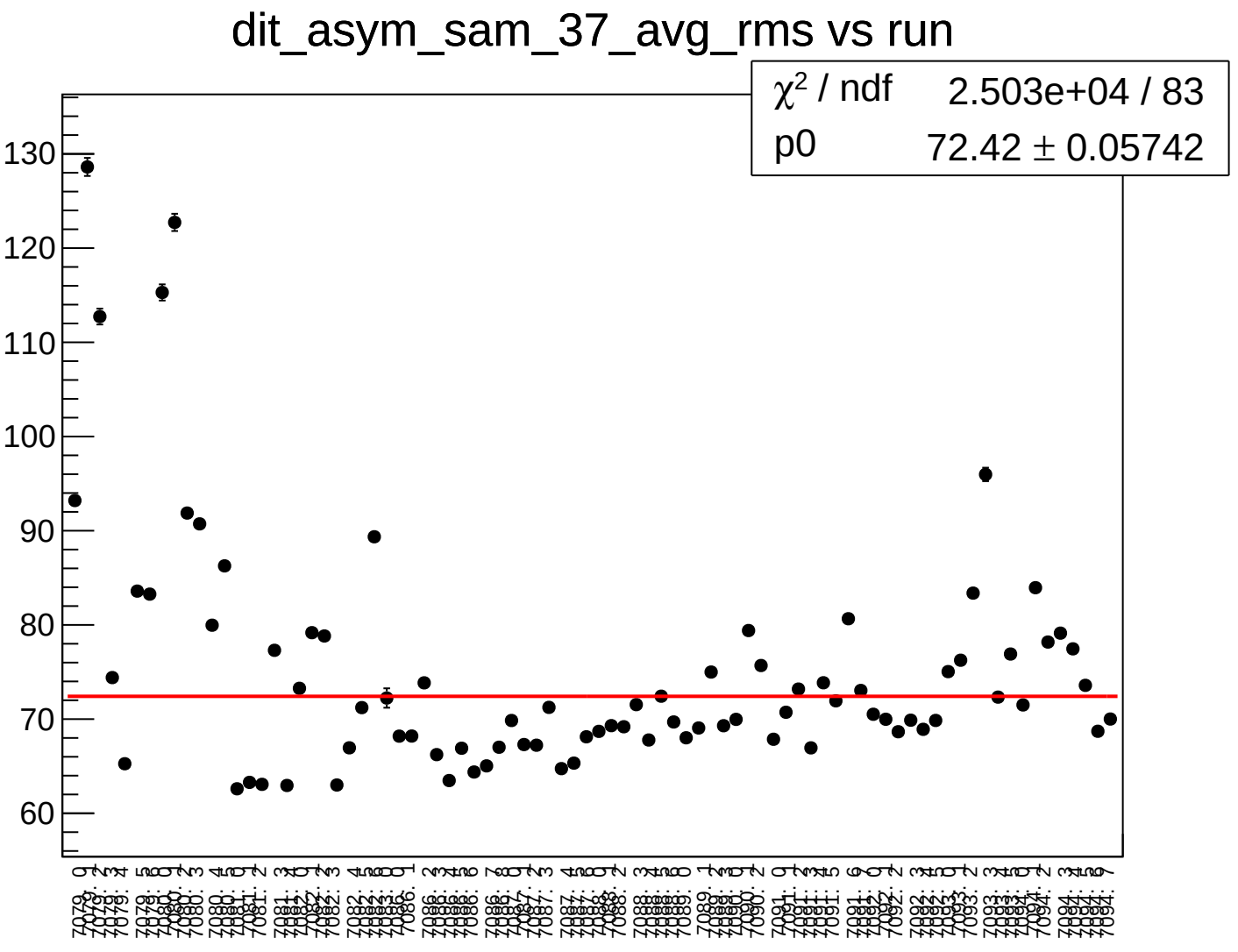

asym_sam_26_avg_mean vs run
χ² / ndf 75.53 / 83
p0 1582 ± 694.4
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −581.1
Std Dev 611.5
2
1
0
−1
−2

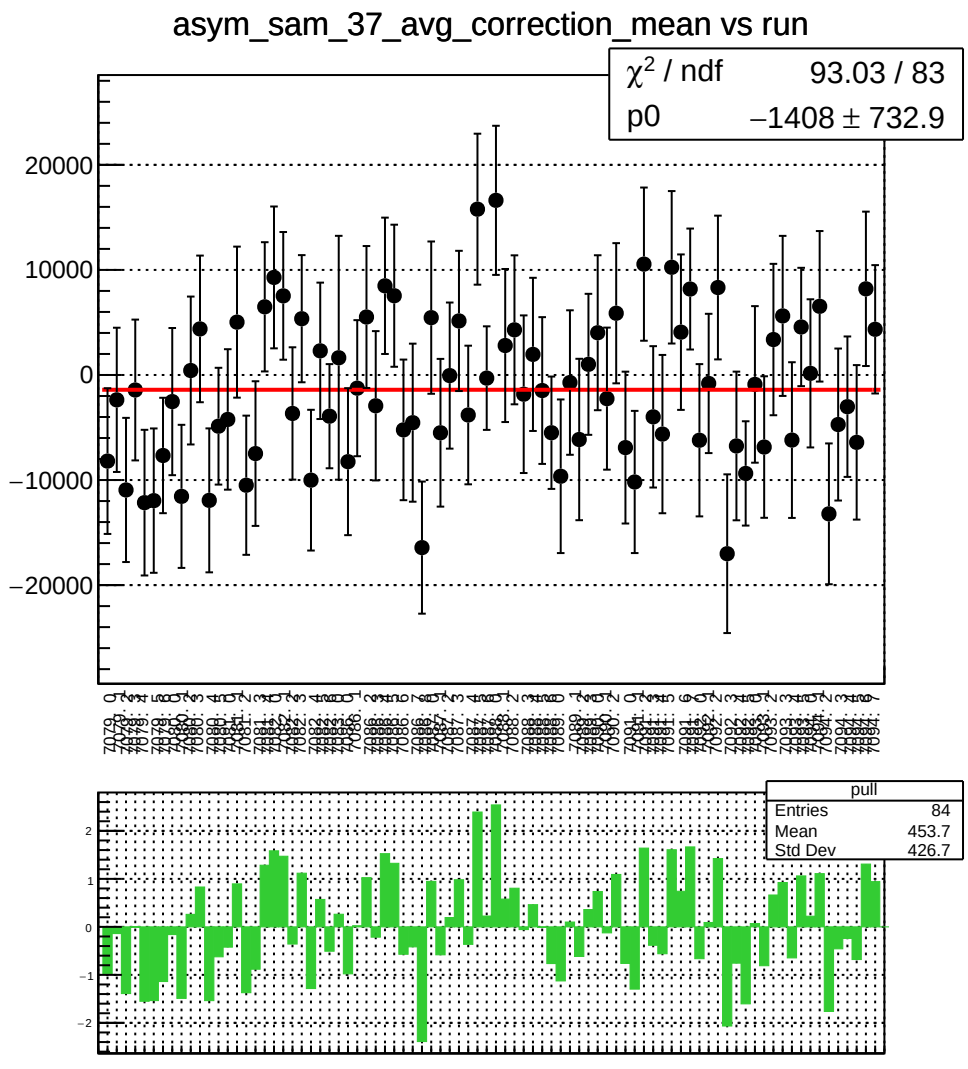

pull1D
Entries 84
Mean 0.008257
Std Dev 0.9482
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

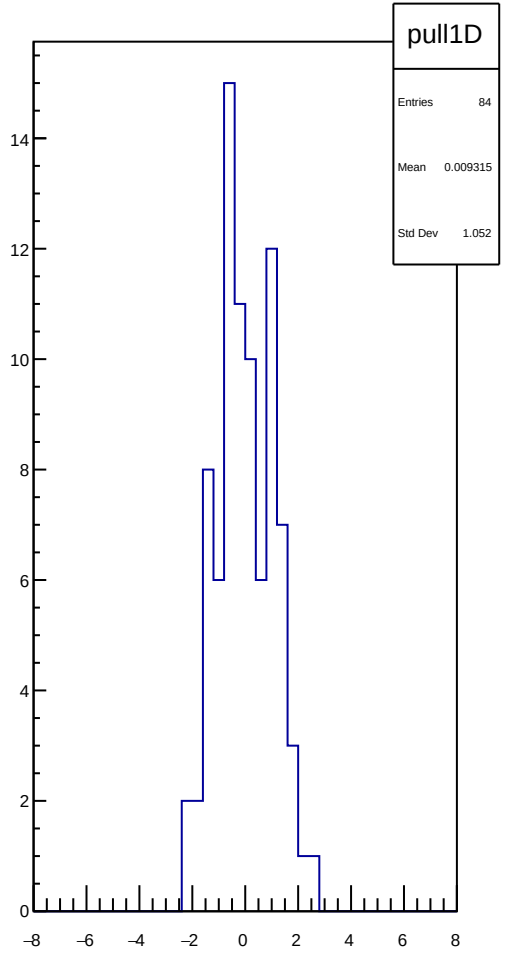

asym_sam_26_avg_rms vs run
χ² / ndf 4722 / 83
p0 623.2 ± 0.491
700
680
660
640
620
600
580
560

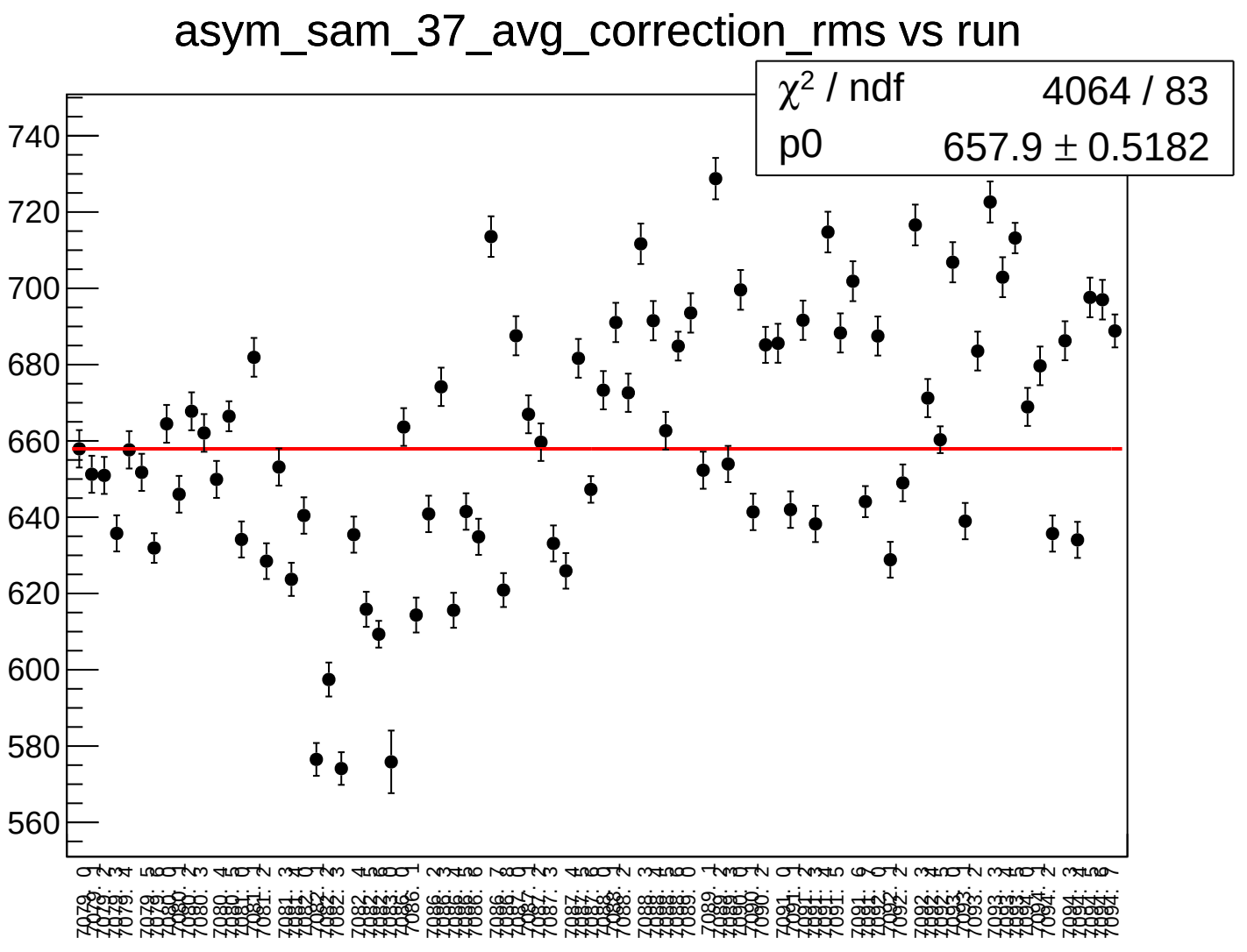

dit_asym_sam_37_avg_mean vs run
χ² / ndf 75.49 / 83
p0 110.3 ± 81.2
pull
Entries 84
Mean −229.4
Std Dev 253.8

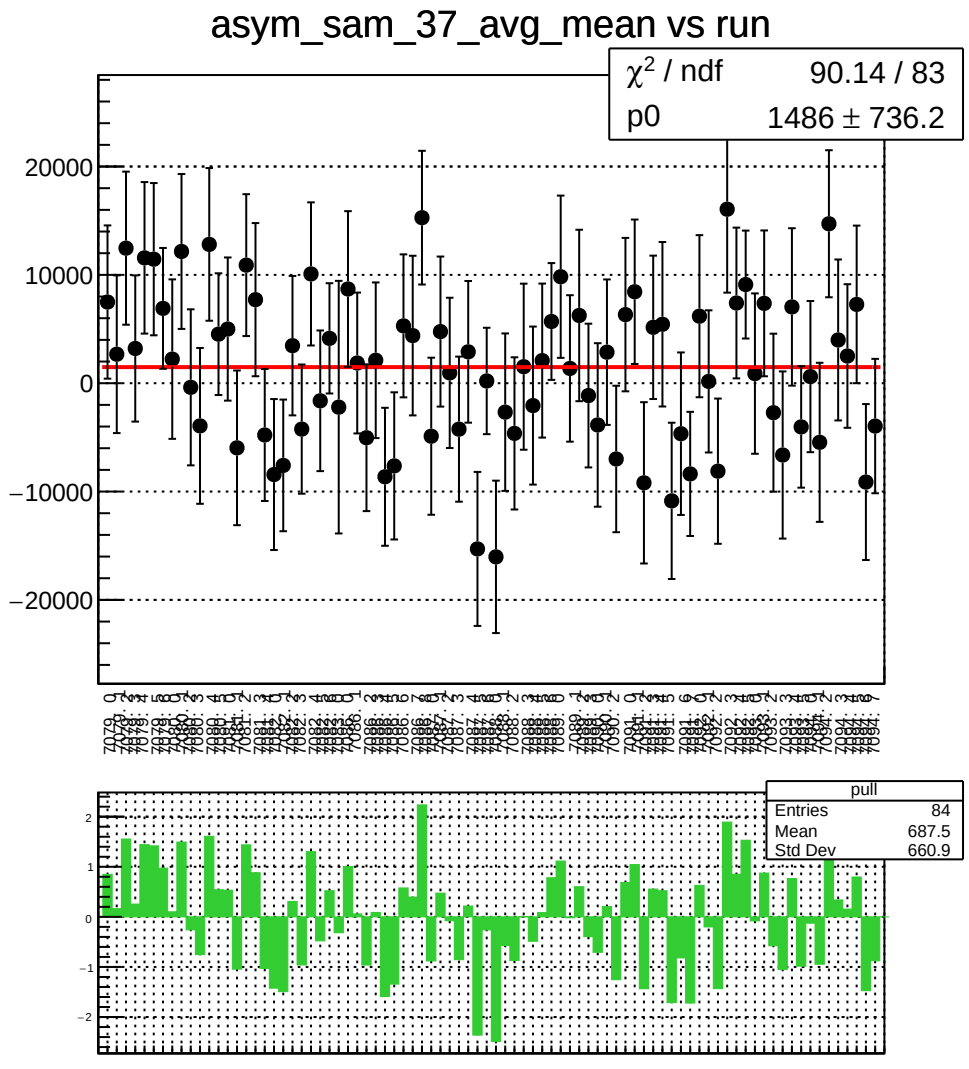

pull1D
Entries 84
Mean 0.005381
Std Dev 0.948

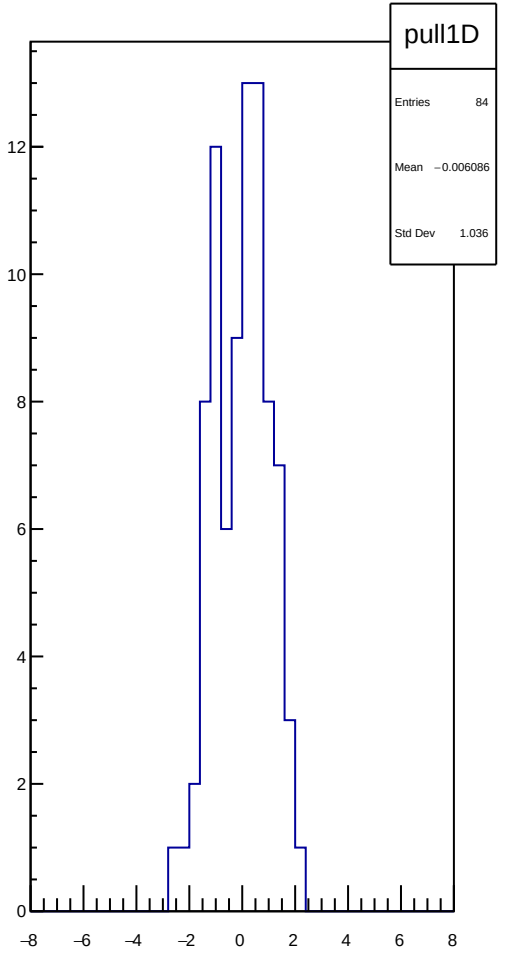

dit_asym_sam_37_avg_rms vs run
χ^2 / ndf 2.503e+04 / 83
p0 72.42 ± 0.05742
130
120
110
100
90
80
70
60

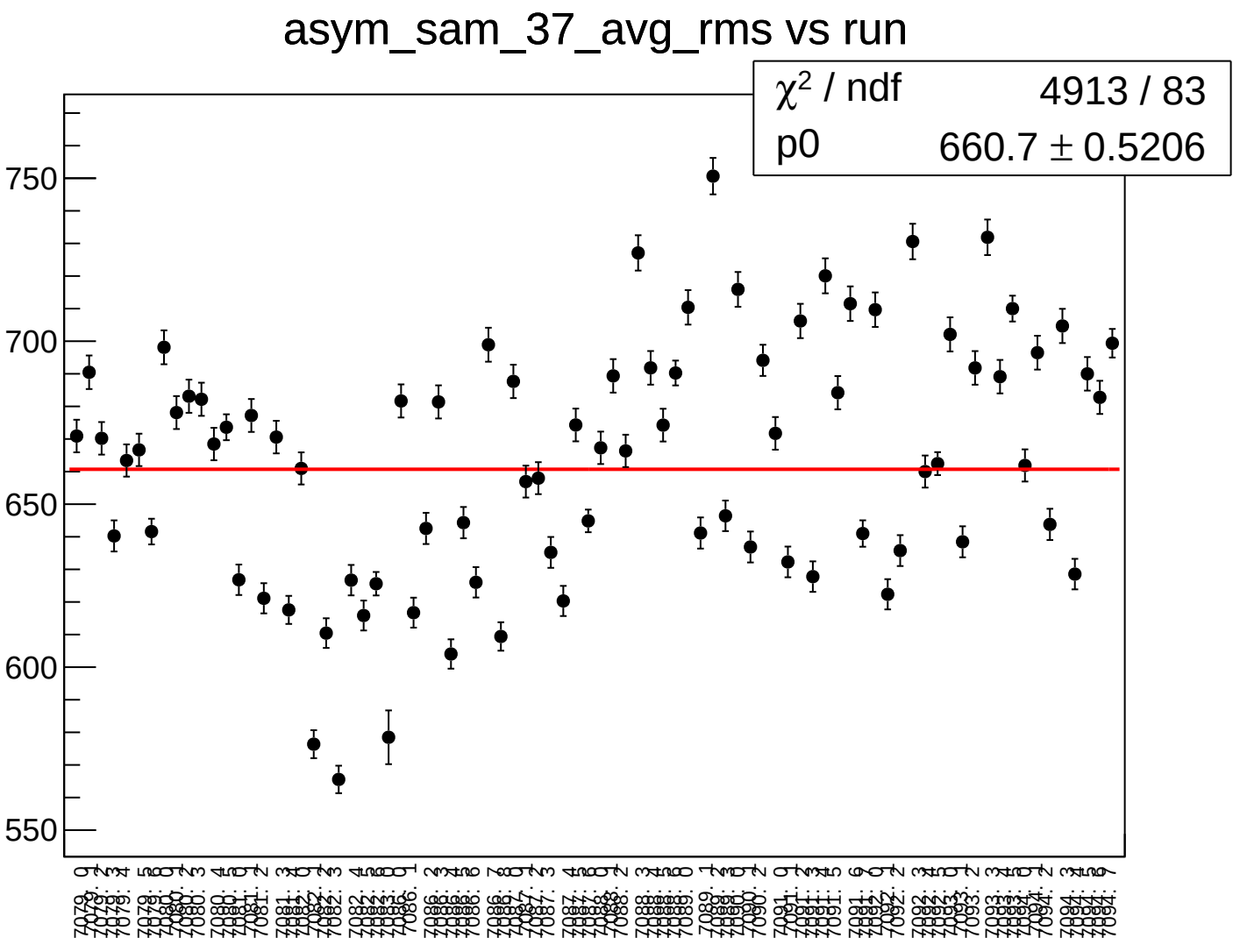

asym_sam_37_avg_correction_mean vs run
χ² / ndf 93.03 / 83
p0 −1408 ± 732.9
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 453.7
Std Dev 426.7
2
1
0
−1
−2

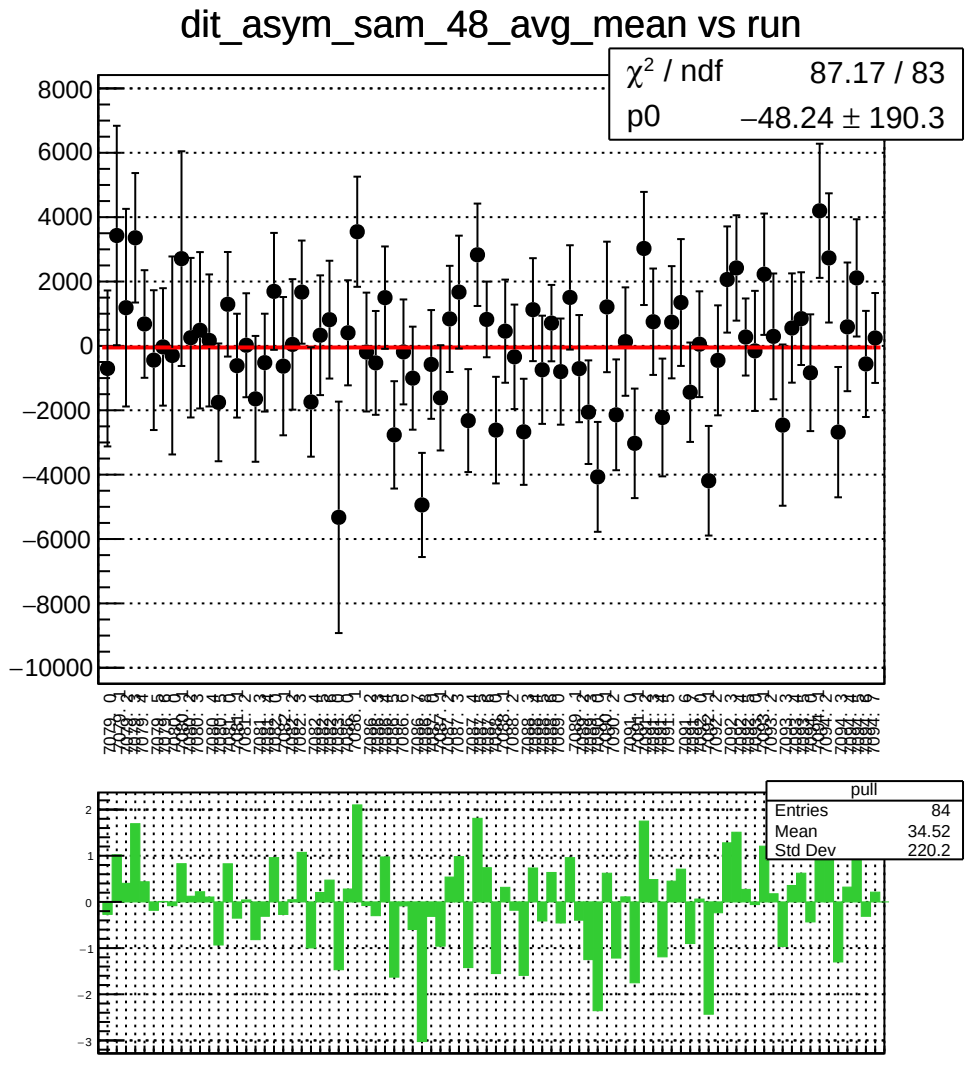

pull1D
Entries 84
Mean 0.009315
Std Dev 1.052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

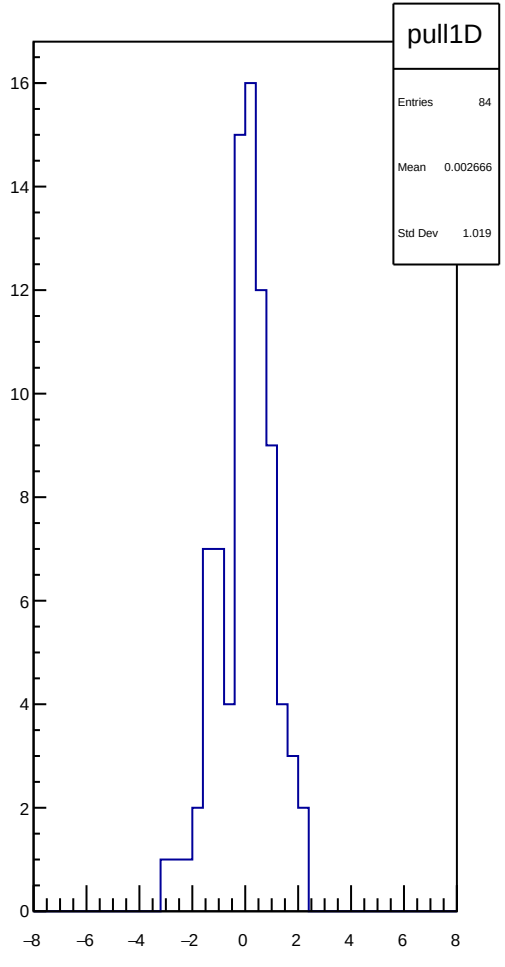

asym_sam_37_avg_correction_rms vs run
χ² / ndf 4064 / 83
p0 657.9 ± 0.5182
740
720
700
680
660
640
620
600
580
560

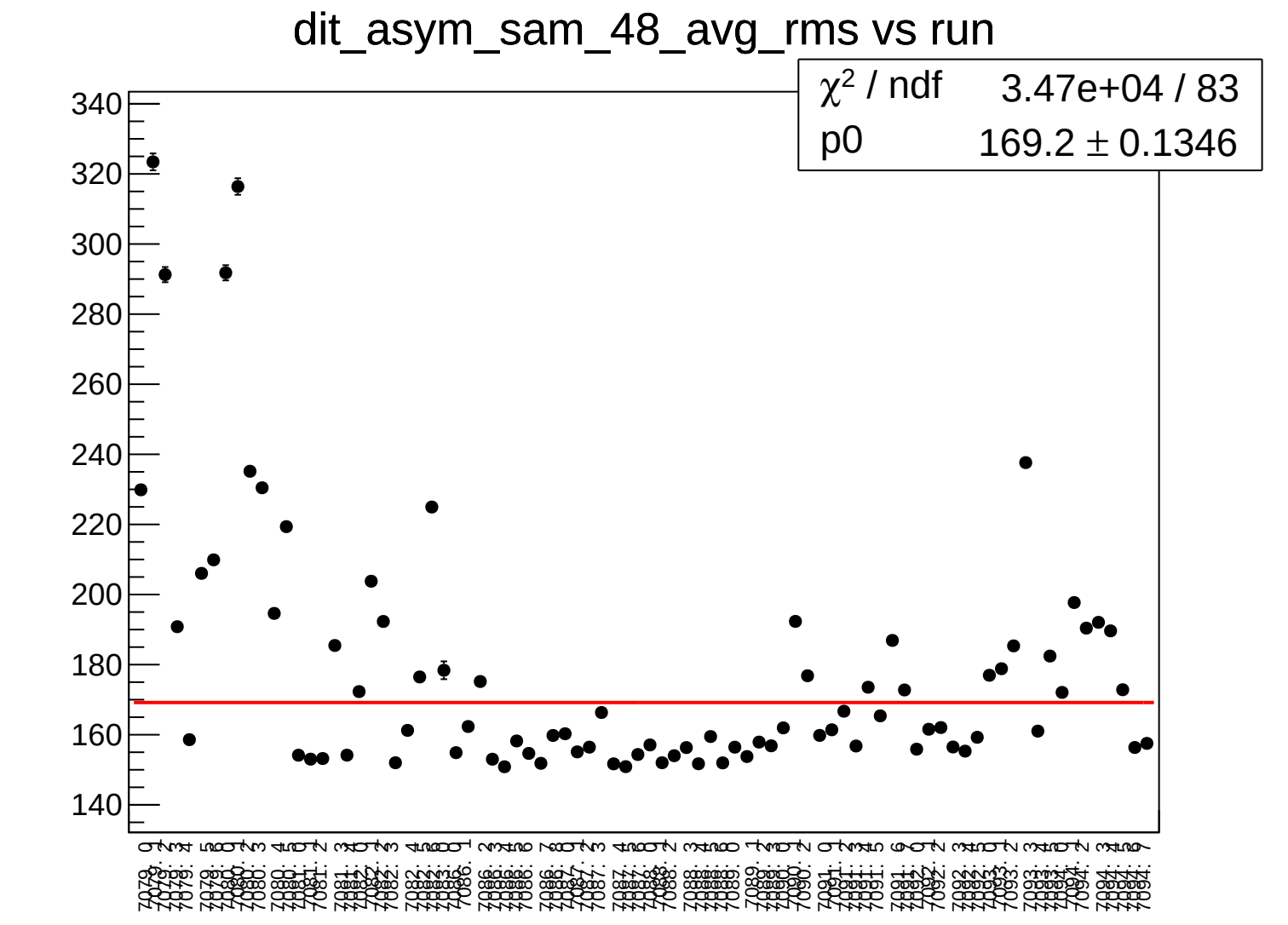

asym_sam_37_avg_mean vs run
χ² / ndf 90.14 / 83
p0 1486 ± 736.2
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 687.5
Std Dev 660.9
2
1
0
−1
−2

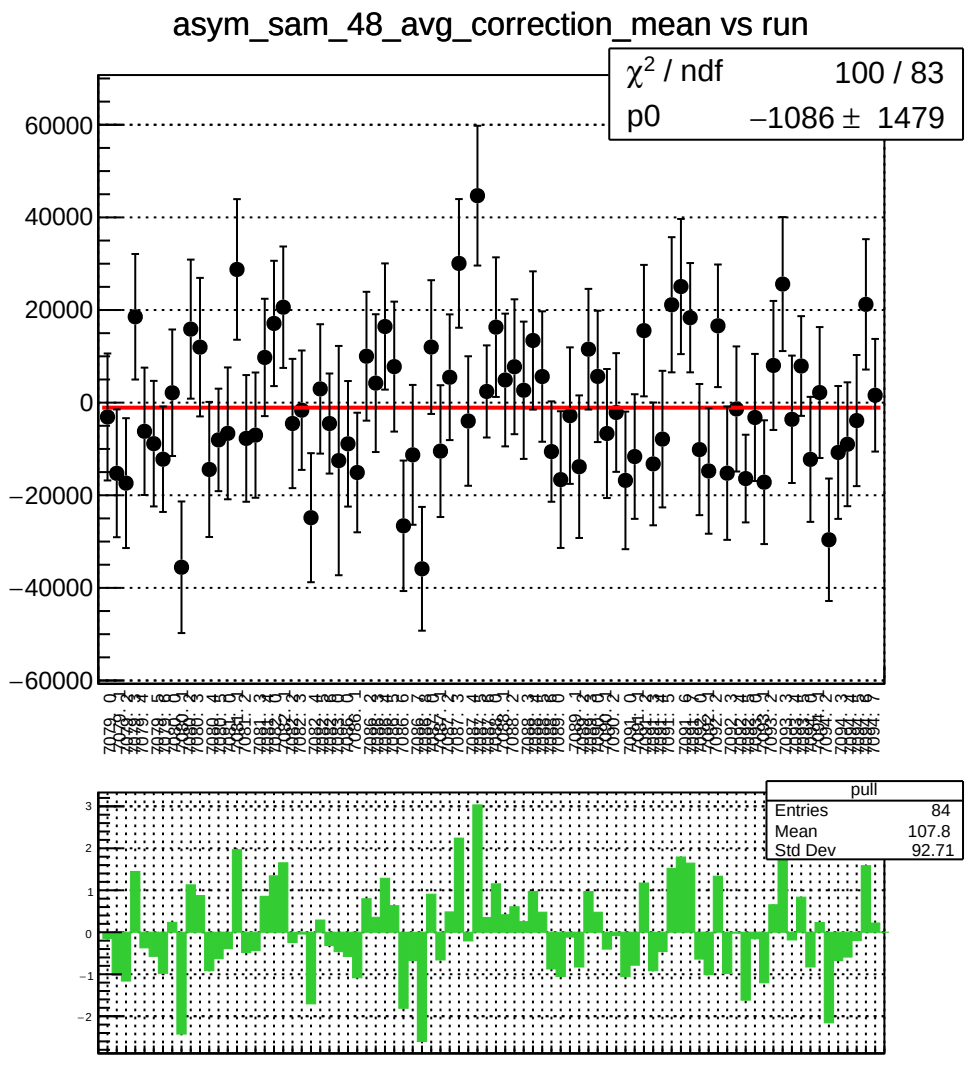

pull1D
Entries 84
Mean −0.006086
Std Dev 1.036
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

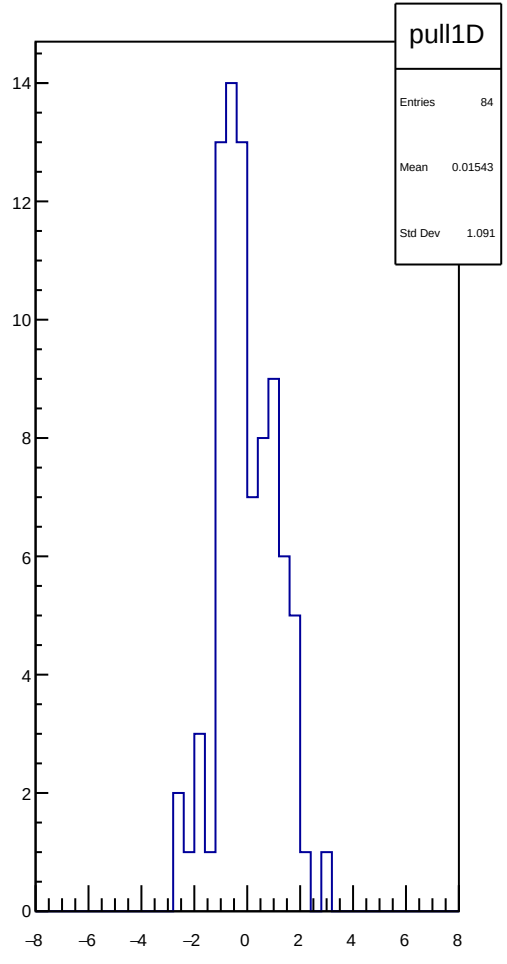

asym_sam_37_avg_rms vs run
χ² / ndf 4913 / 83
p0 660.7 ± 0.5206
750
700
650
600
550

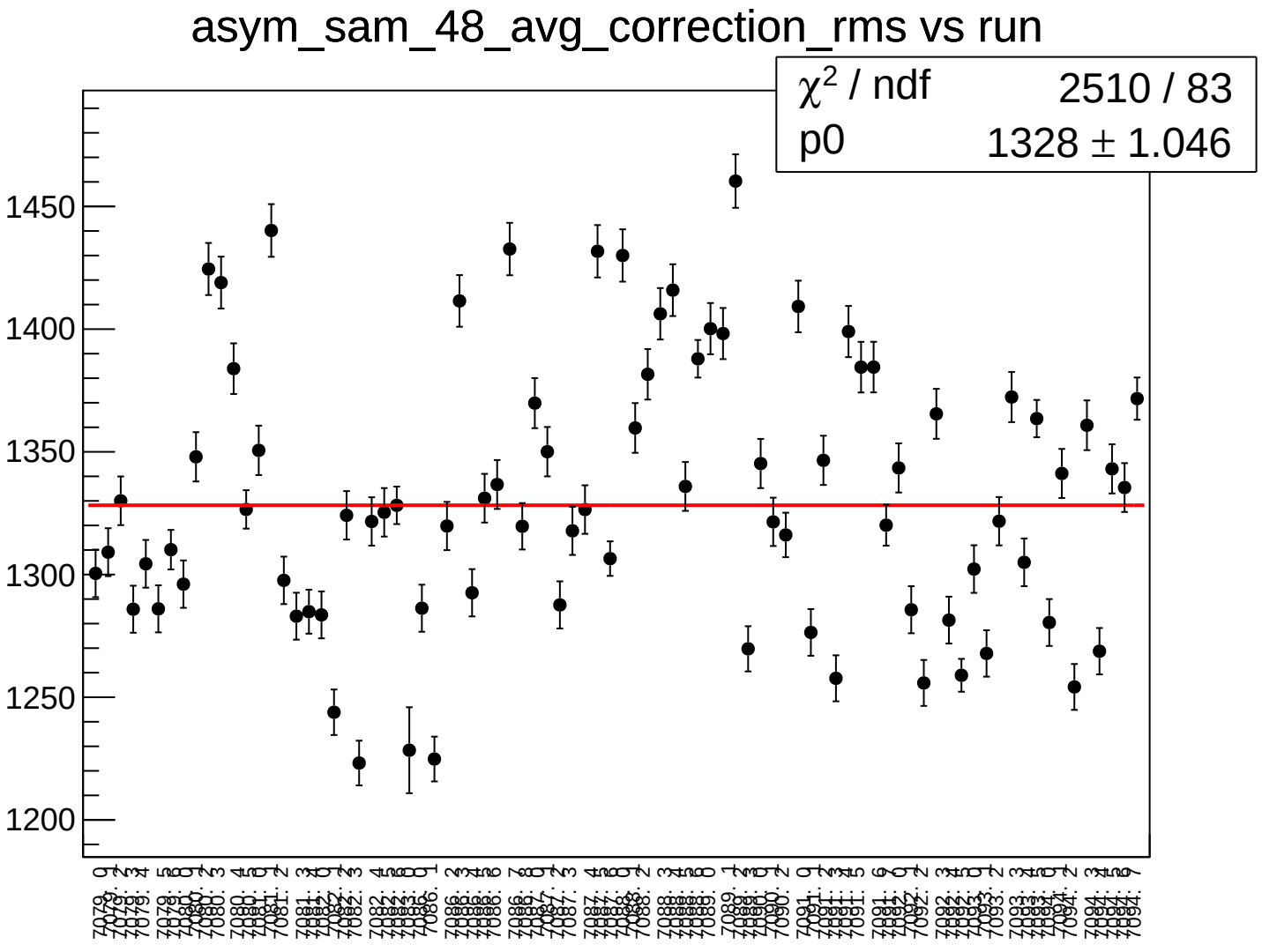

dit_asym_sam_48_avg_mean vs run
χ² / ndf 87.17 / 83
p0 −48.24 ± 190.3
pull
Entries 84
Mean 34.52
Std Dev 220.2

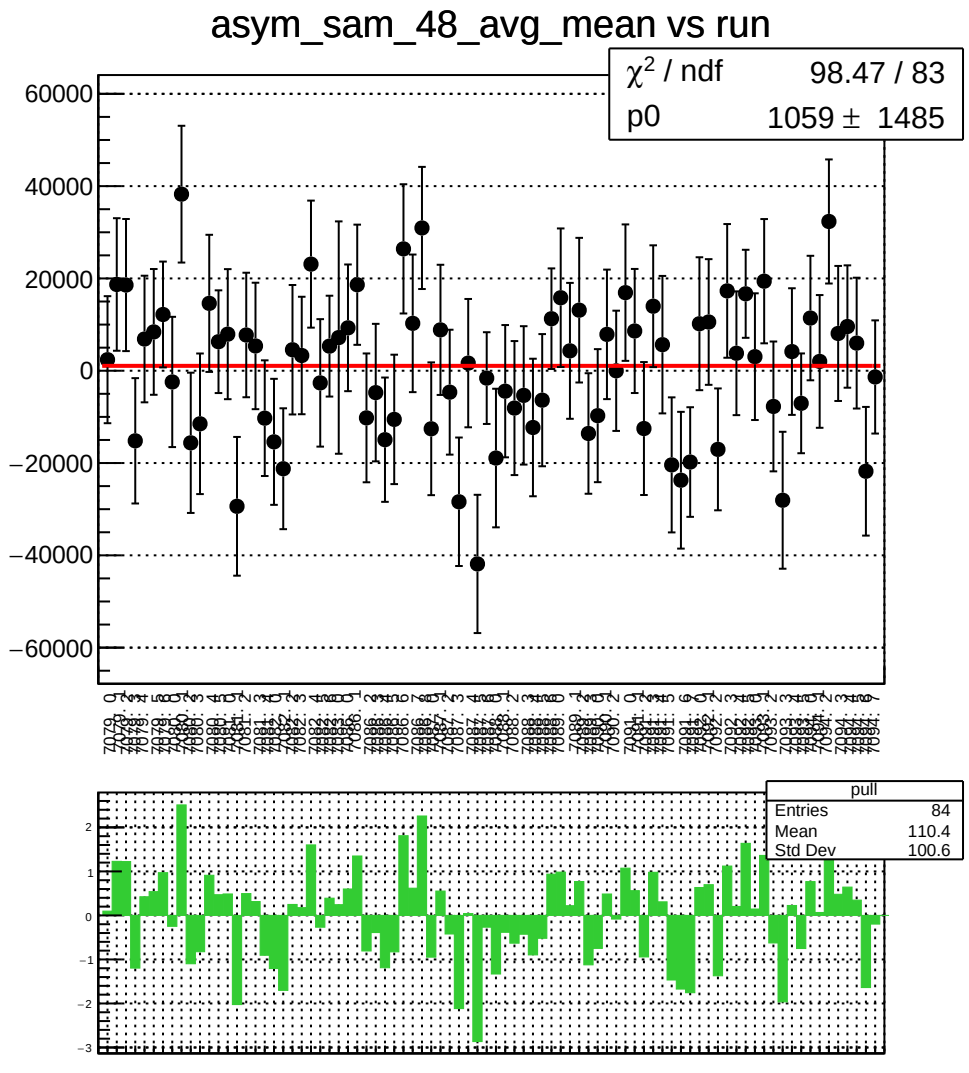

pull1D
Entries 84
Mean 0.002666
Std Dev 1.019

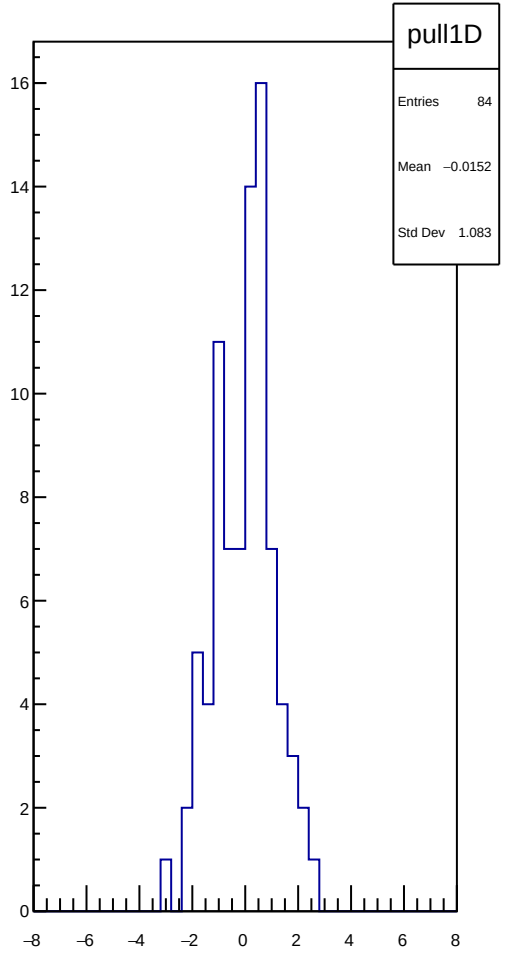

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 3.47e+04 / 83
p0 169.2 ± 0.1346
340
320
300
280
260
240
220
200
180
160
140

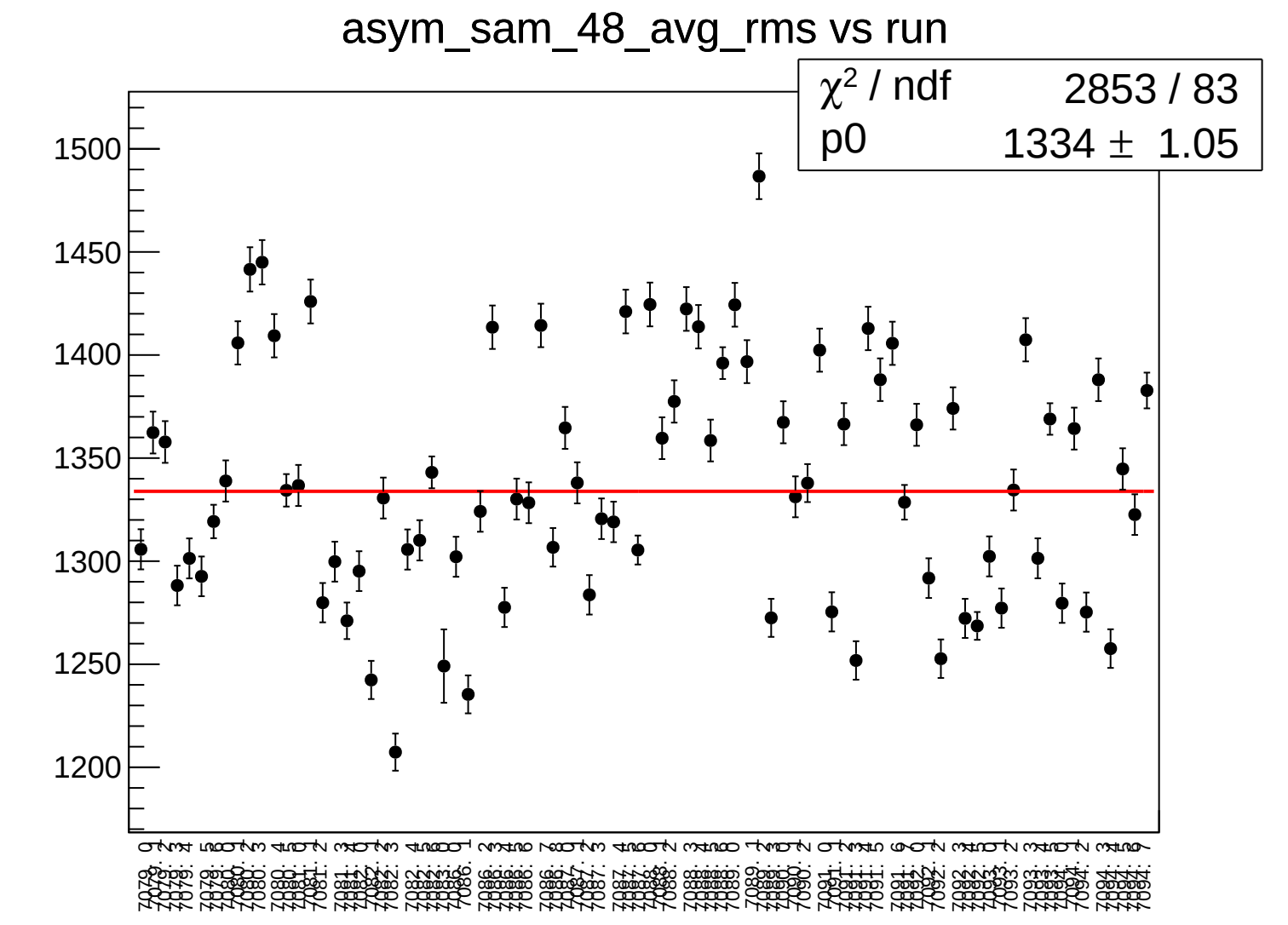

asym_sam_48_avg_correction_mean vs run
χ² / ndf 100 / 83
p0 −1086 ± 1479
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean 107.8
Std Dev 92.71
3
2
1
0
−1
−2

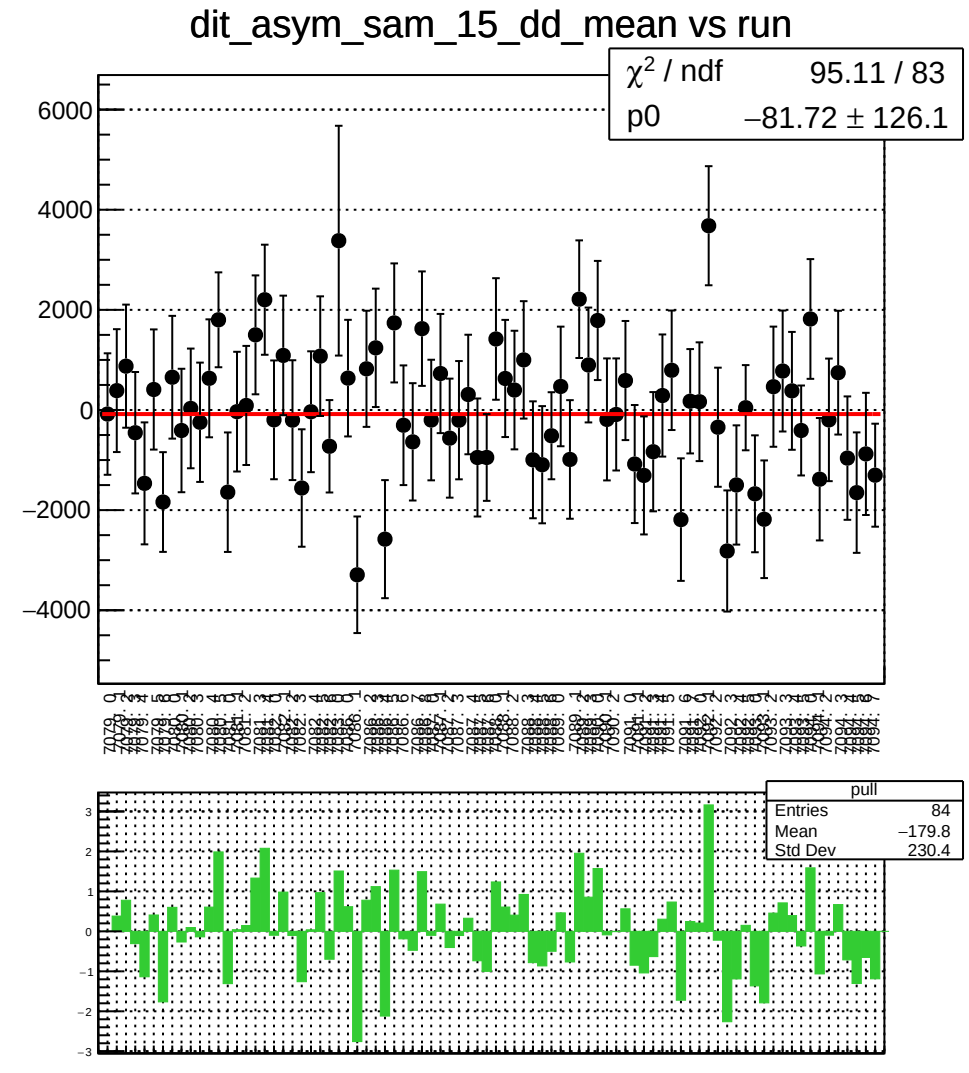

pull1D
Entries 84
Mean 0.01543
Std Dev 1.091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

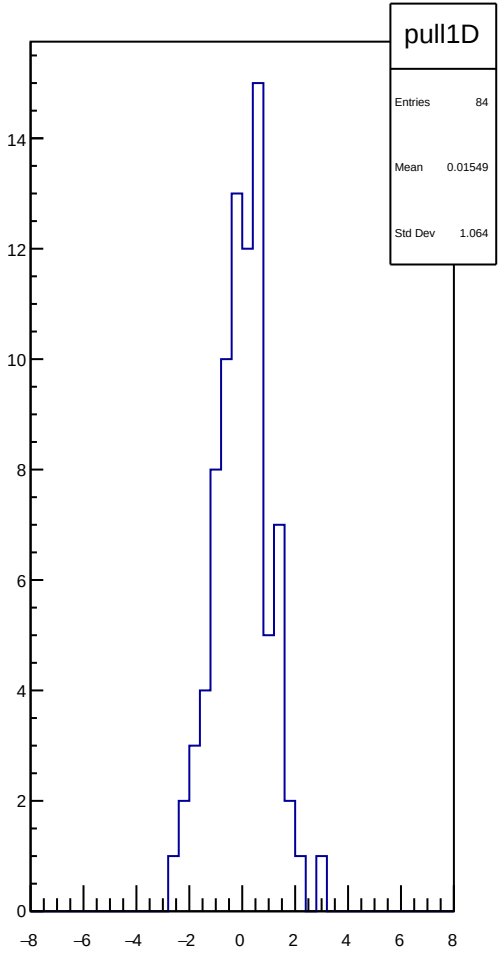

asym_sam_48_avg_correction_rms vs run
χ² / ndf 2510 / 83
p0 1328 ± 1.046
1450
1400
1350
1300
1250
1200

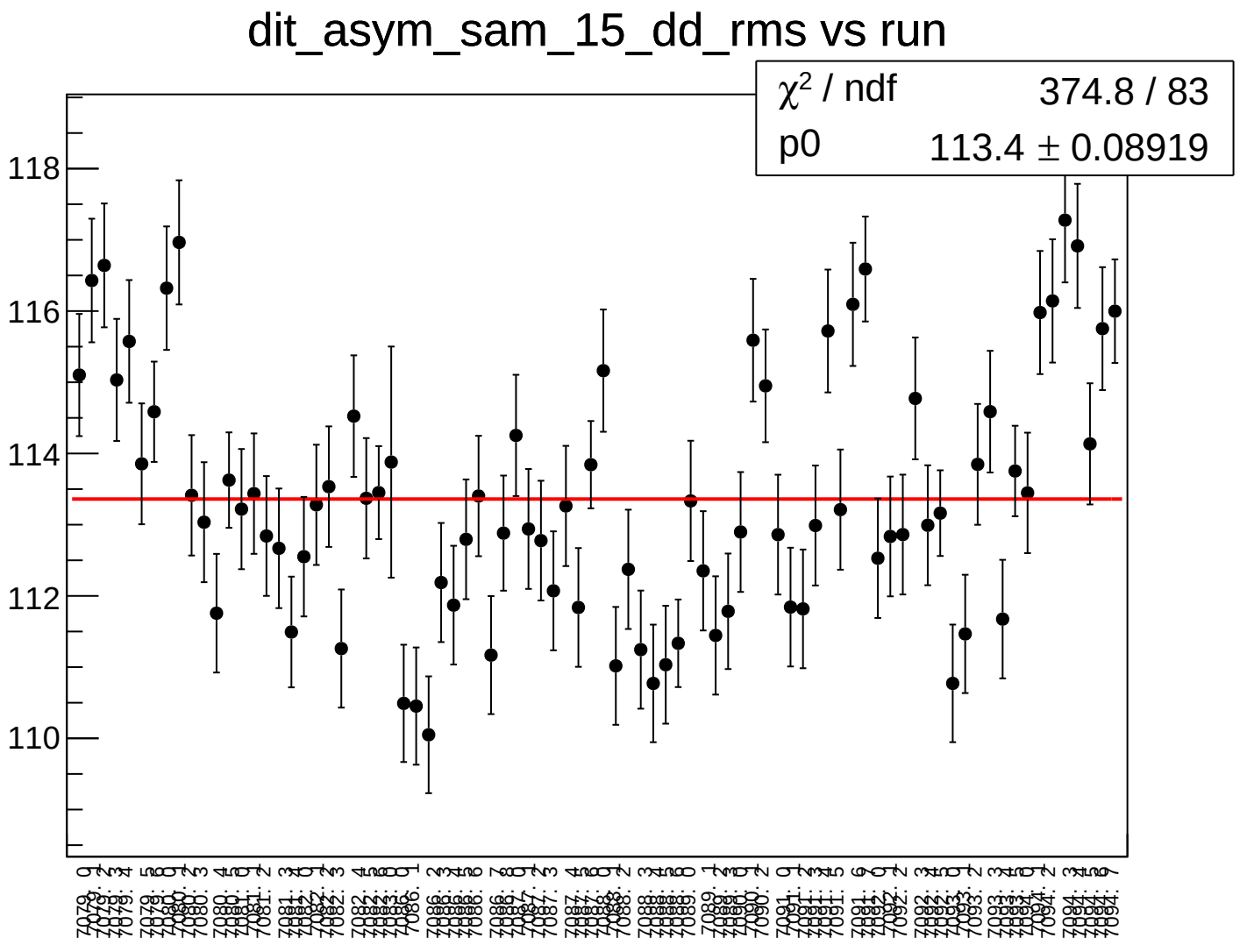

asym_sam_48_avg_mean vs run
χ² / ndf 98.47 / 83
p0 1059 ± 1485
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean 110.4
Std Dev 100.6
2
1
0
−1
−2
−3

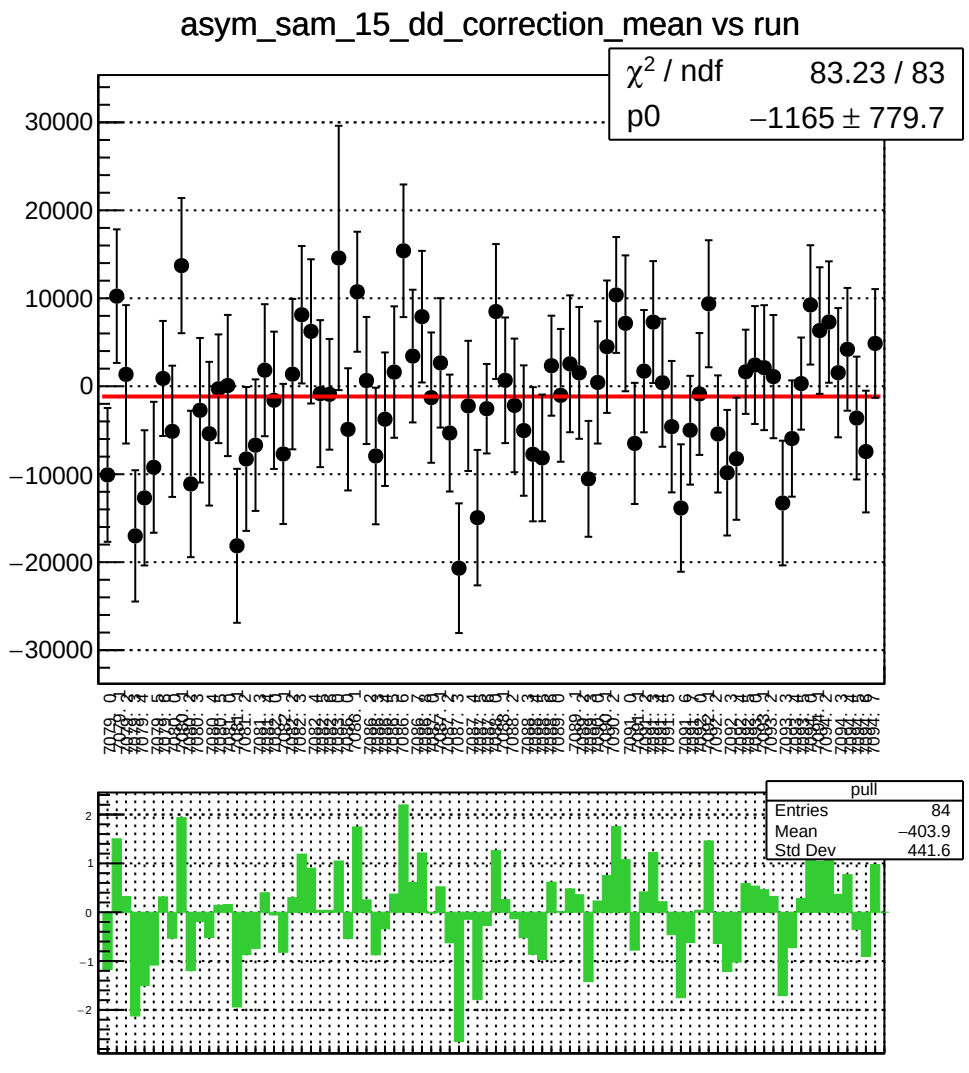

pull1D
Entries 84
Mean −0.0152
Std Dev 1.083
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

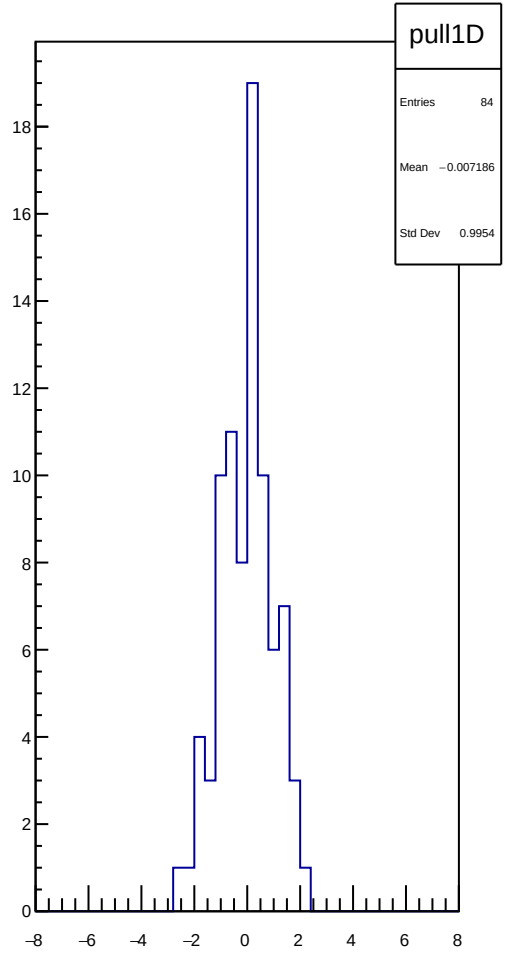

asym_sam_48_avg_rms vs run
χ² / ndf 2853 / 83
p0 1334 ± 1.05
1500
1450
1400
1350
1300
1250
1200

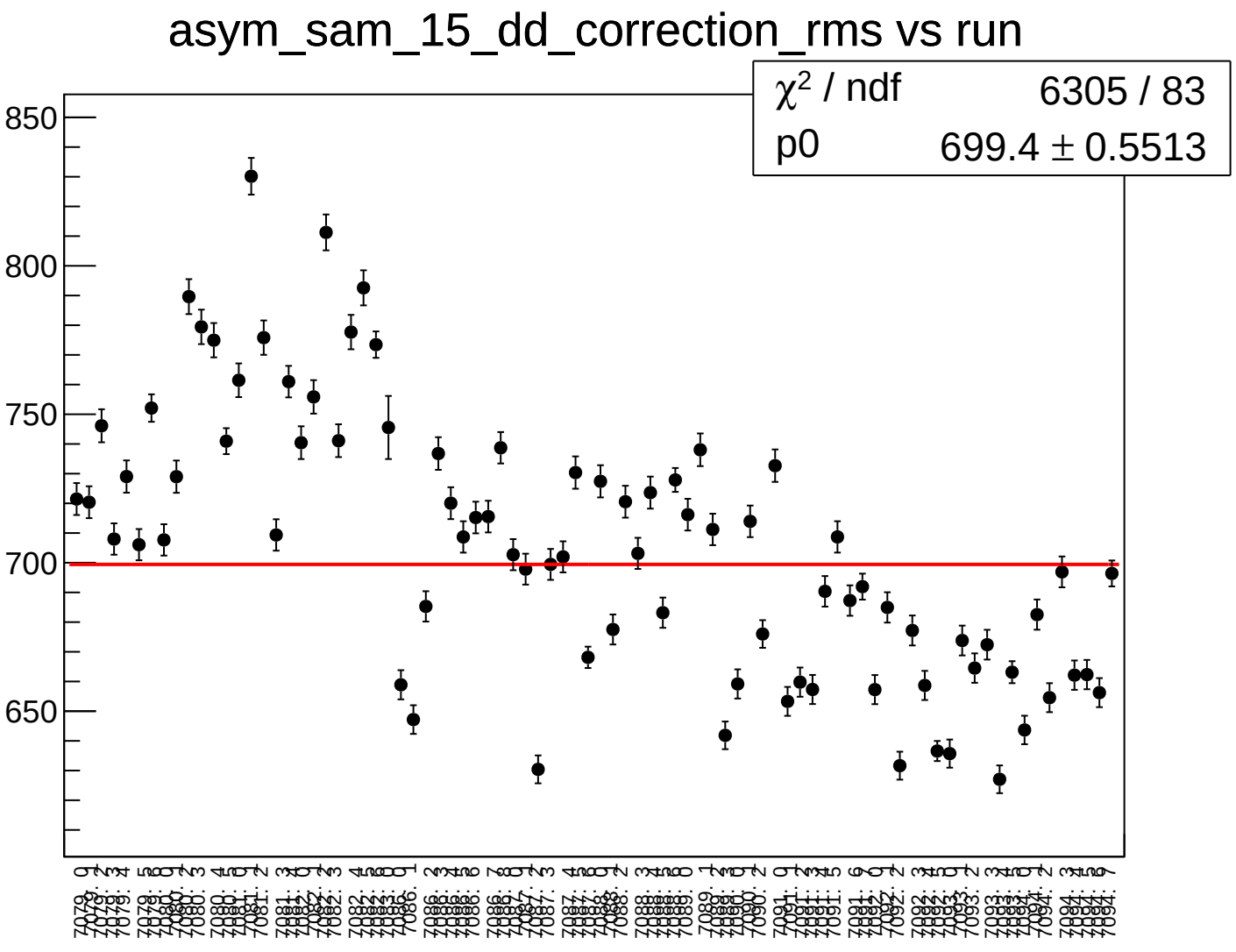

dit_asym_sam_15_dd_mean vs run
χ² / ndf 95.11 / 83
p0 –81.72 ± 126.1
6000
4000
2000
0
–2000
–4000
pull
Entries 84
Mean –179.8
Std Dev 230.4
3
2
1
0
–1
–2
–3

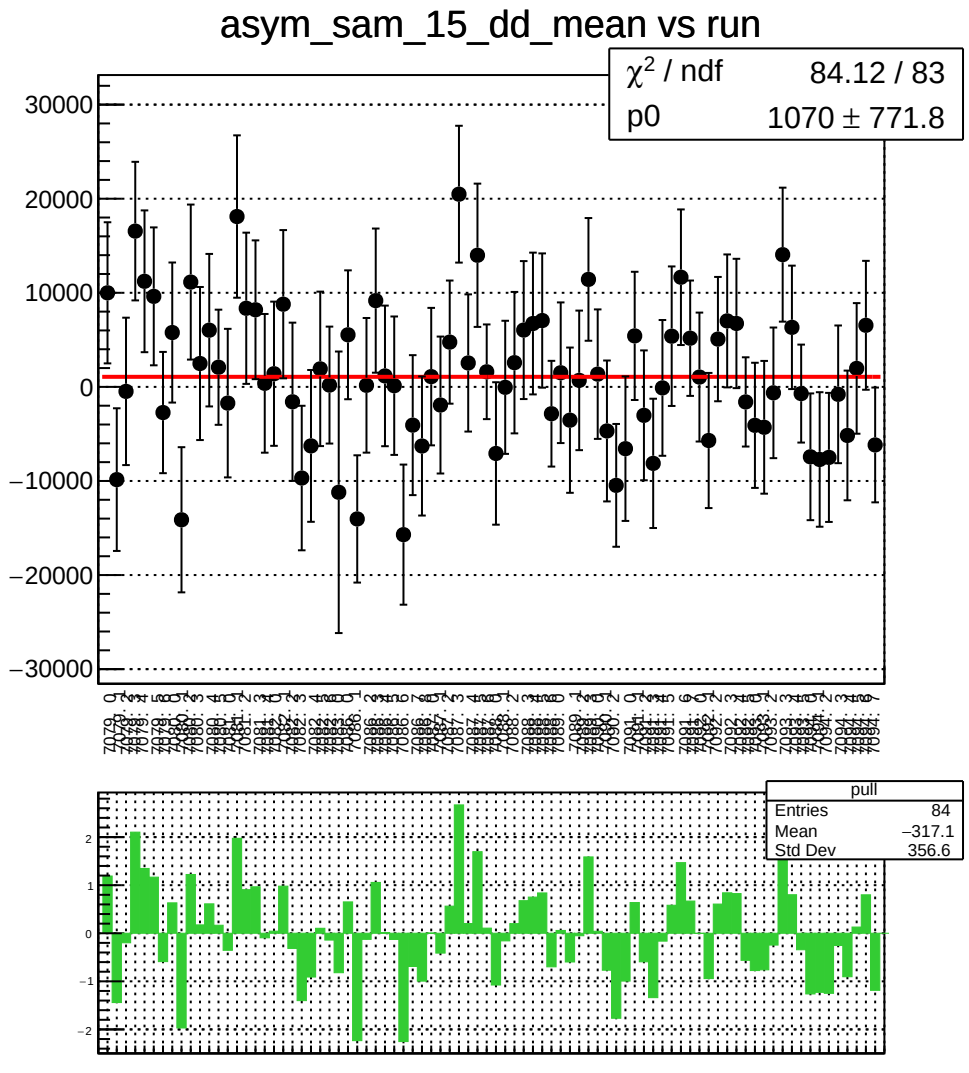

pull1D
Entries 84
Mean 0.01549
Std Dev 1.064
14
12
10
8
6
4
2
0
–8
–6
–4
–2
0
2
4
6
8

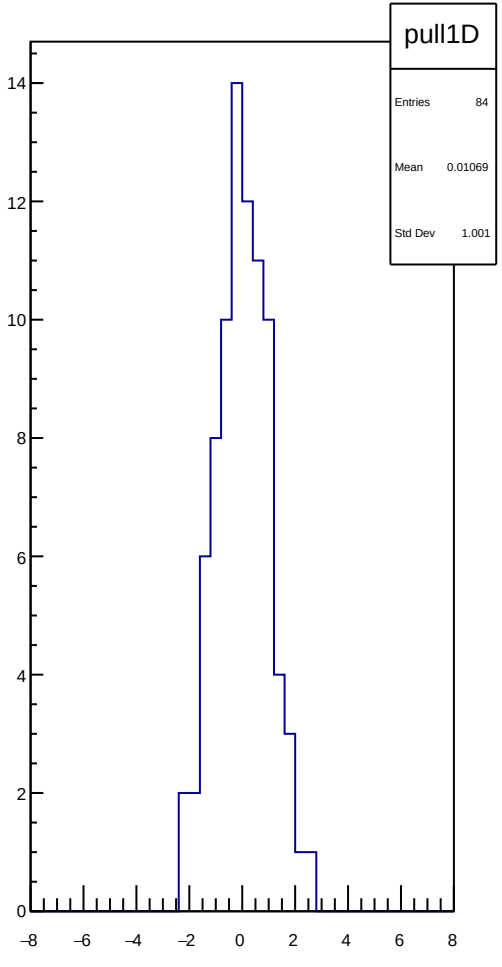

dit_asym_sam_15_dd_rms vs run
χ^2 / ndf 374.8 / 83
p0 113.4 ± 0.08919
118
116
114
112
110

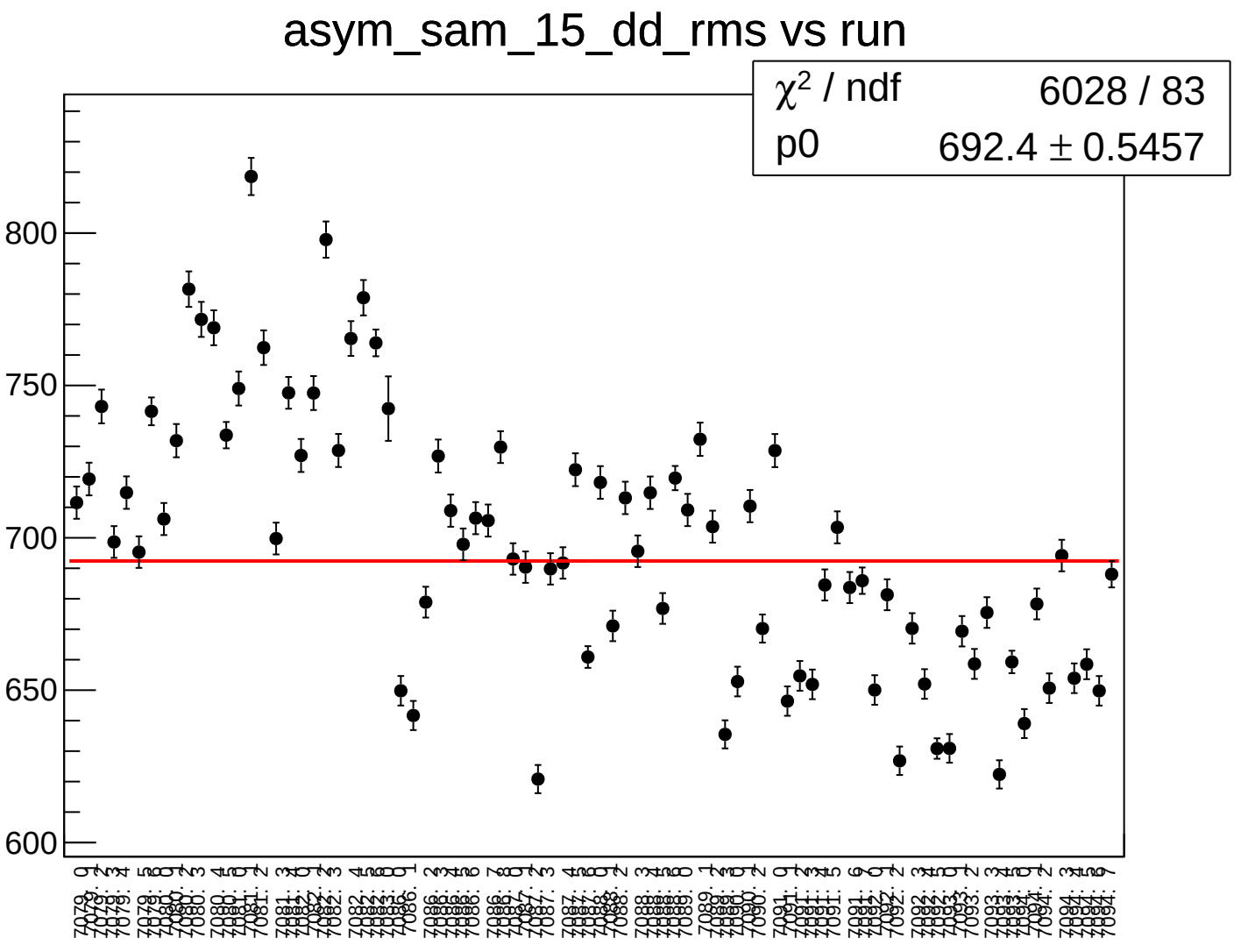

asym_sam_15_dd_correction_mean vs run
χ² / ndf 83.23 / 83
p0 −1165 ± 779.7
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −403.9
Std Dev 441.6
2
1
0
−1
−2

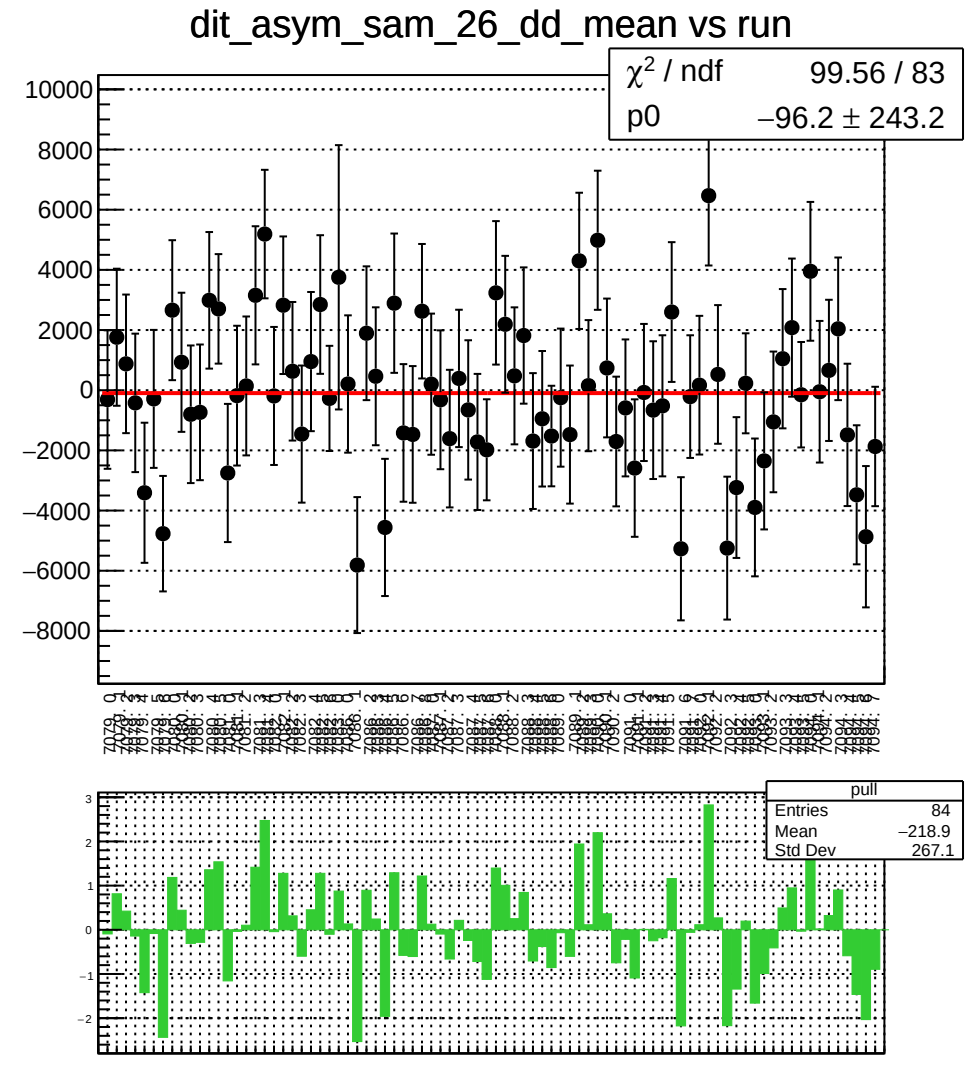

pull1D
Entries 84
Mean −0.007186
Std Dev 0.9954
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

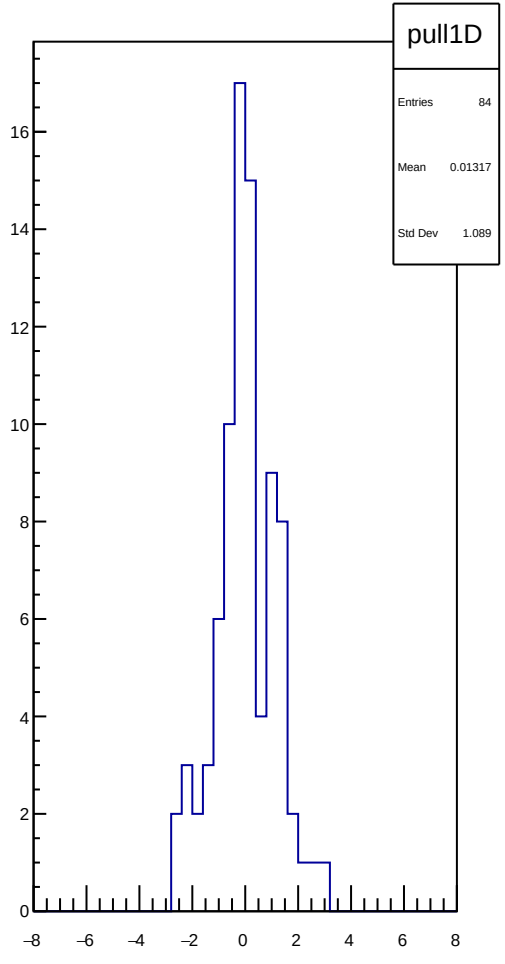

asym_sam_15_dd_correction_rms vs run
χ² / ndf 6305 / 83
p0 699.4 ± 0.5513
850
800
750
700
650

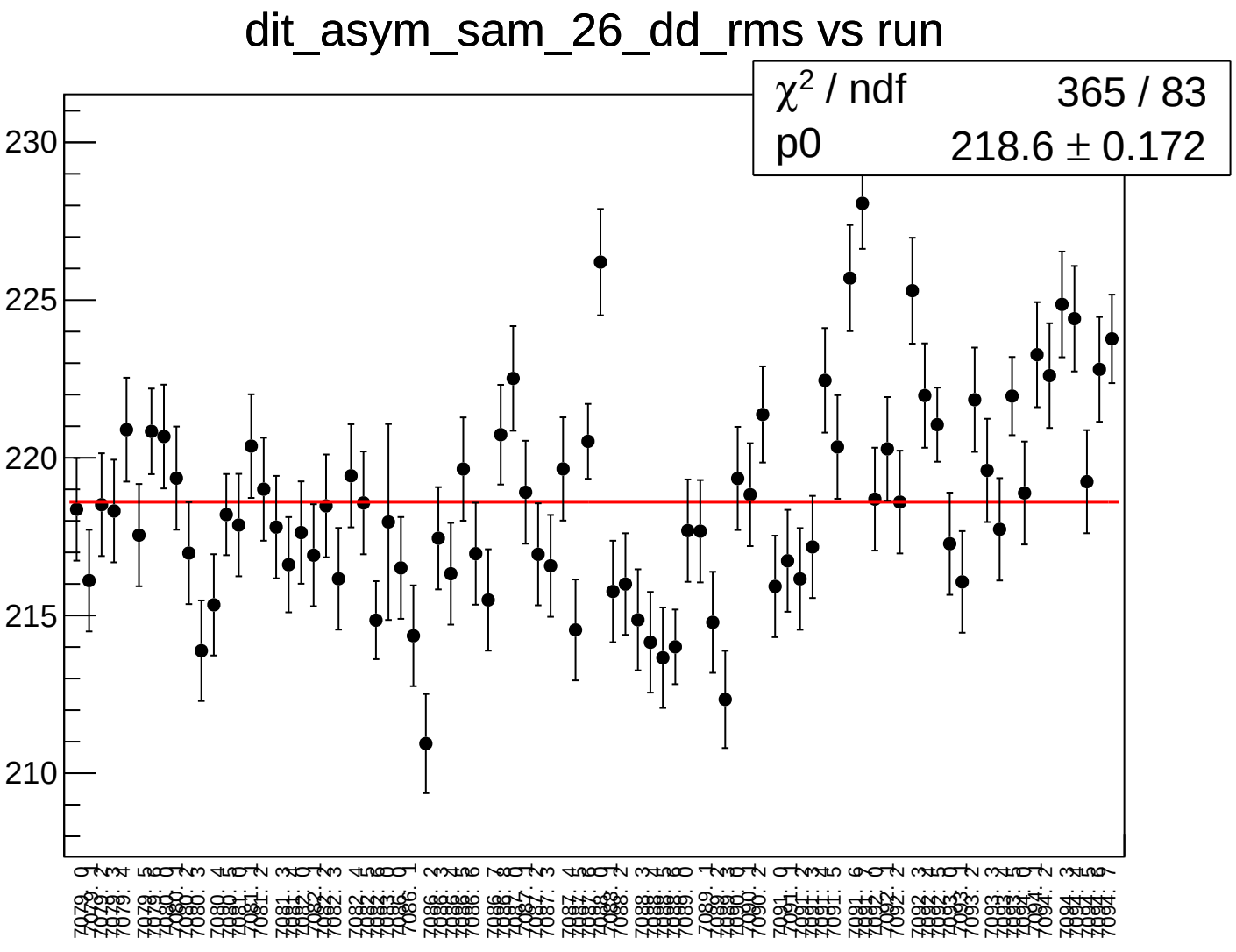

asym_sam_15_dd_mean vs run
χ² / ndf 84.12 / 83
p0 1070 ± 771.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −317.1
Std Dev 356.6
2
1
0
−1
−2

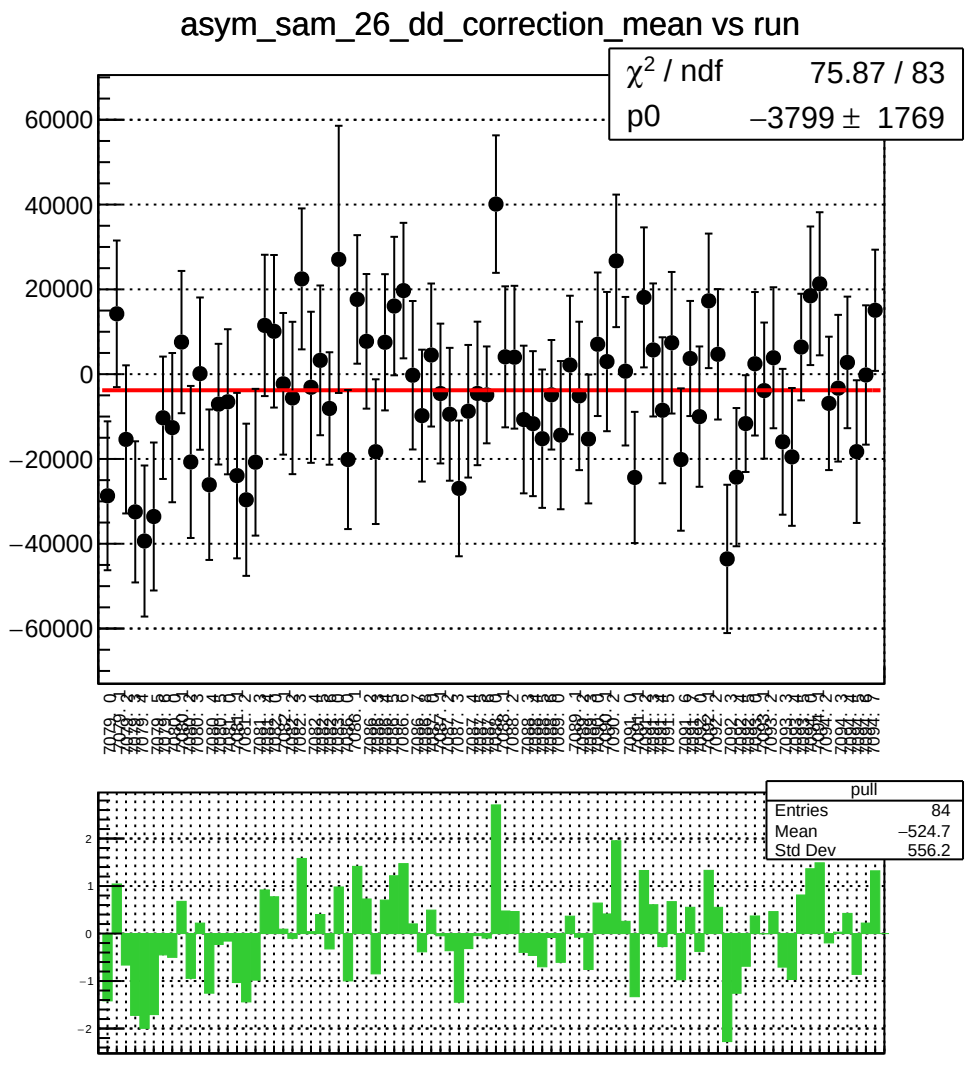

pull1D
Entries 84
Mean 0.01069
Std Dev 1.001
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

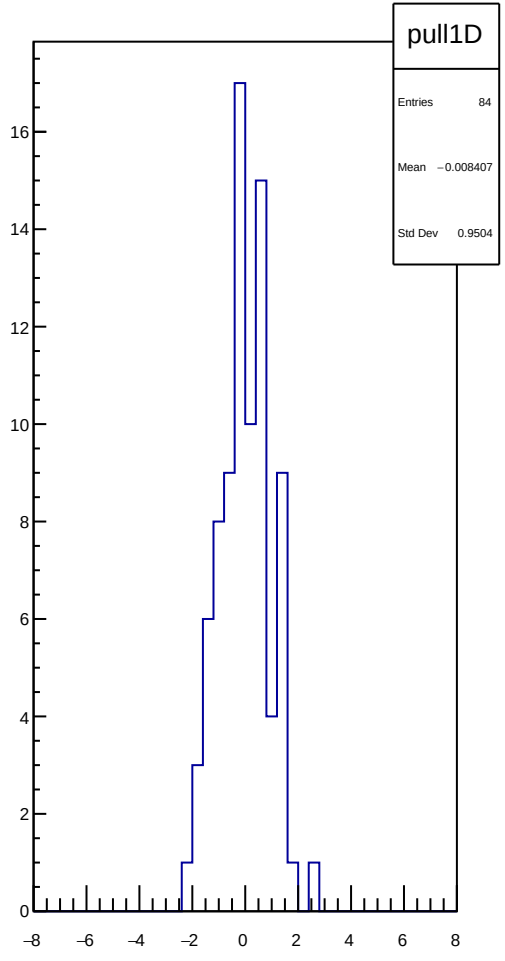

asym_sam_15_dd_rms vs run
χ² / ndf 6028 / 83
p0 692.4 ± 0.5457
800
750
700
650
600

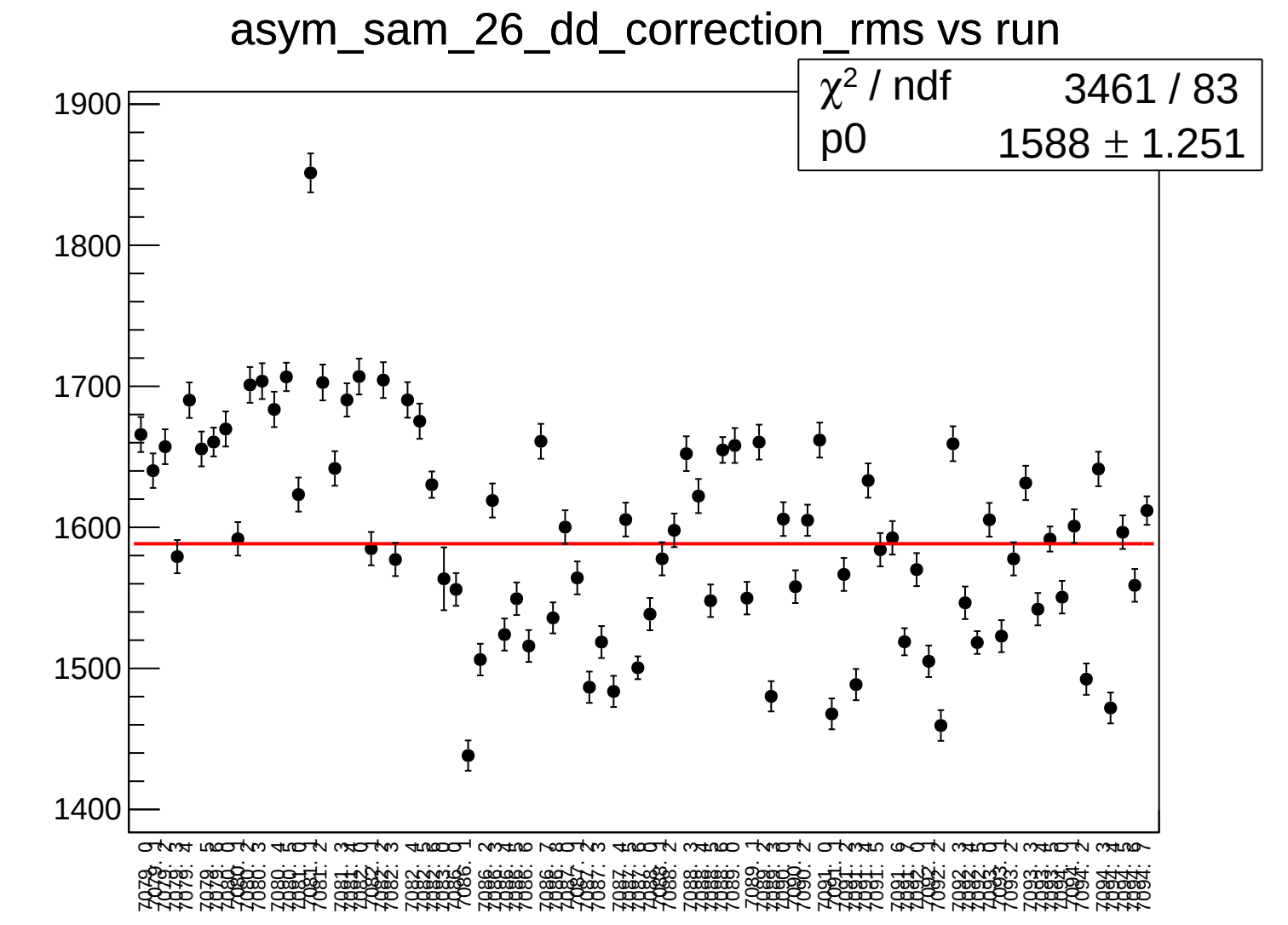

dit_asym_sam_26_dd_mean vs run
χ² / ndf 99.56 / 83
p0 −96.2 ± 243.2
pull
Entries 84
Mean −218.9
Std Dev 267.1

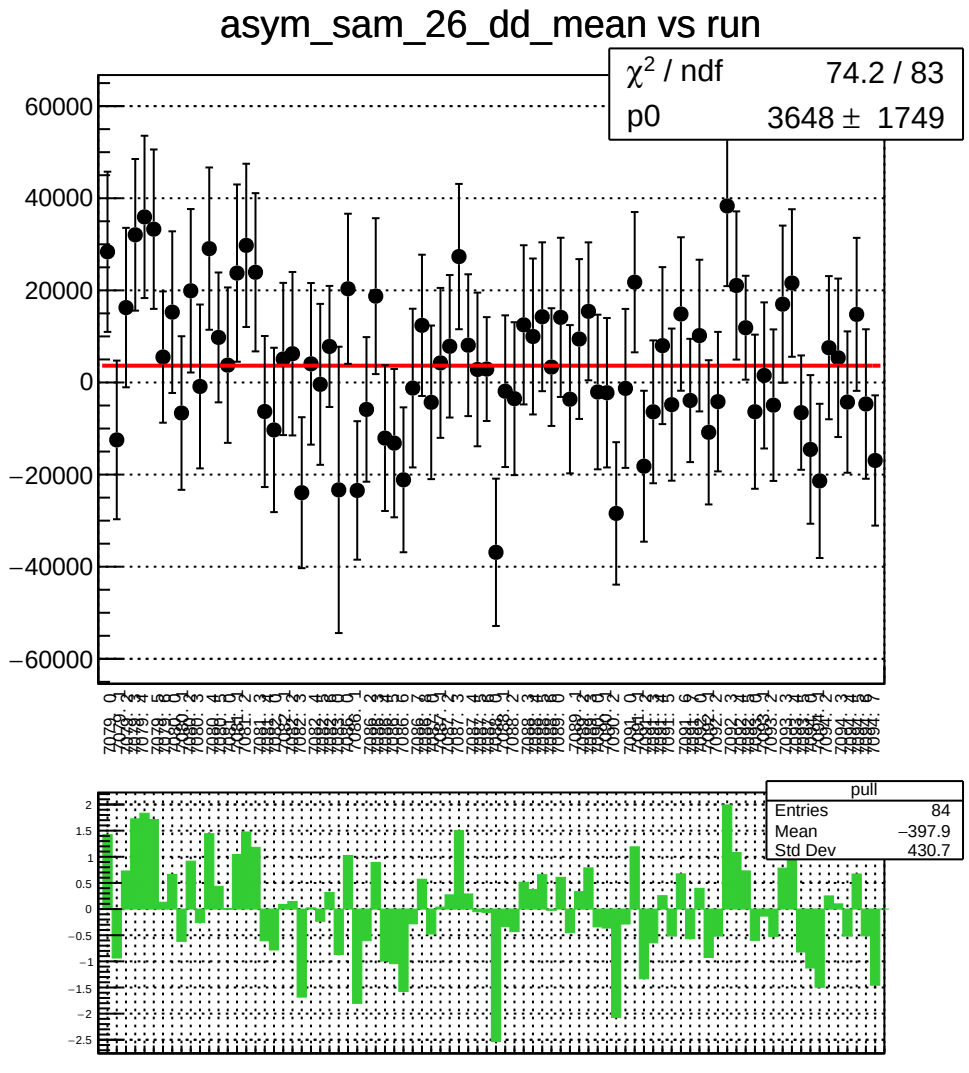

pull1D
Entries 84
Mean 0.01317
Std Dev 1.089

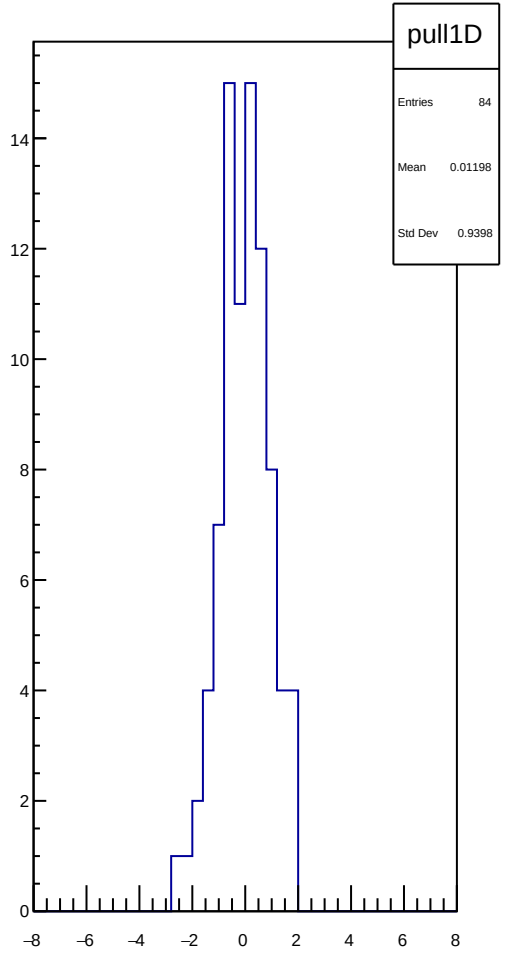

dit_asym_sam_26_dd_rms vs run
χ^2 / ndf 365 / 83
p0 218.6 ± 0.172
230
225
220
215
210

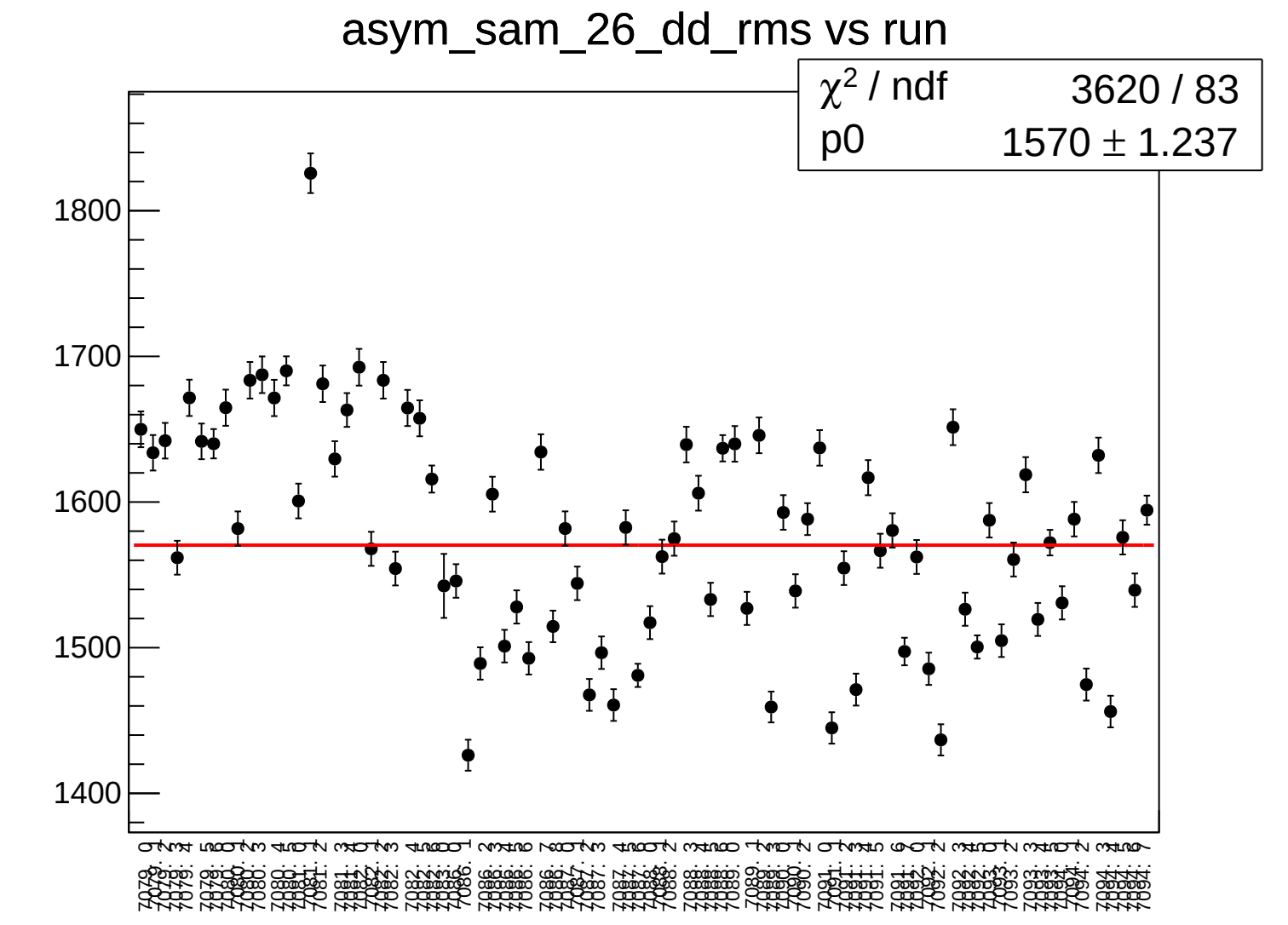

asym_sam_26_dd_correction_mean vs run
χ² / ndf 75.87 / 83
p0 −3799 ± 1769
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −524.7
Std Dev 556.2
2
1
0
−1
−2

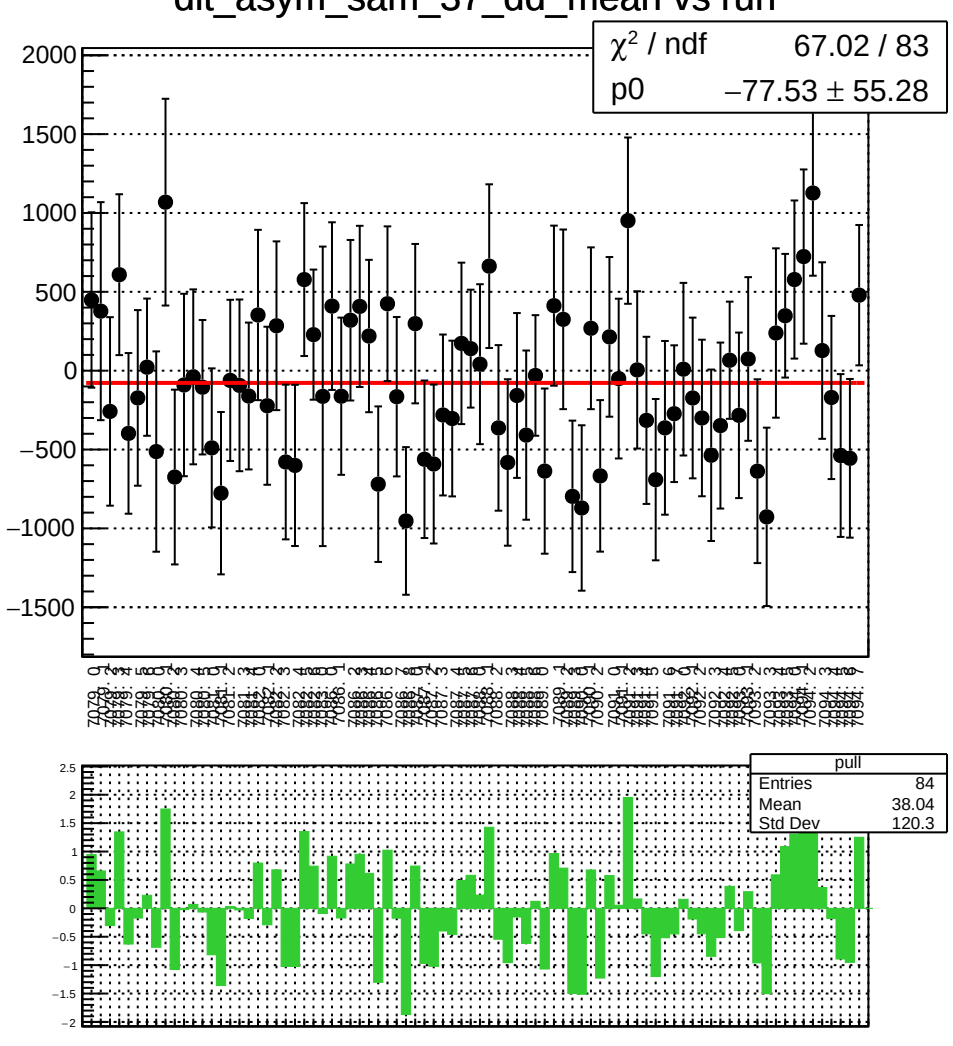

pull1D
Entries 84
Mean −0.008407
Std Dev 0.9504
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

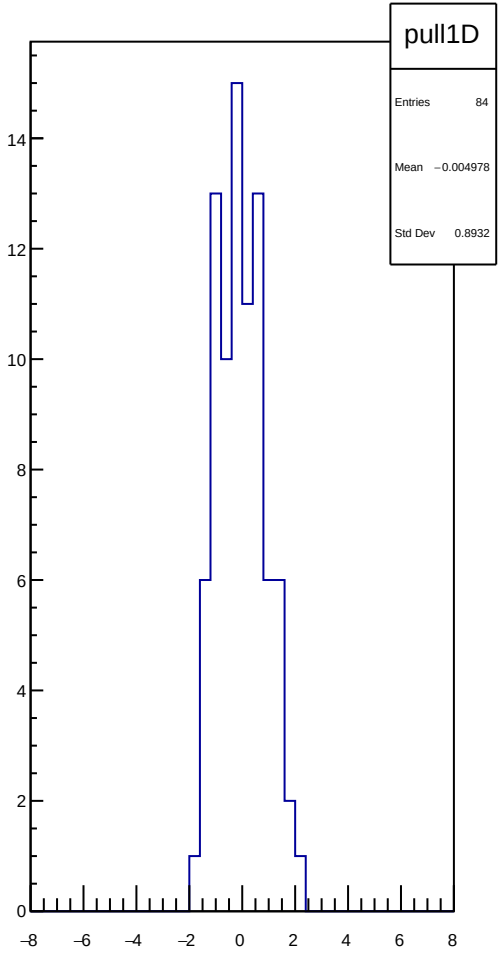

asym_sam_26_dd_correction_rms vs run
χ² / ndf 3461 / 83
p0 1588 ± 1.251
1900
1800
1700
1600
1500
1400

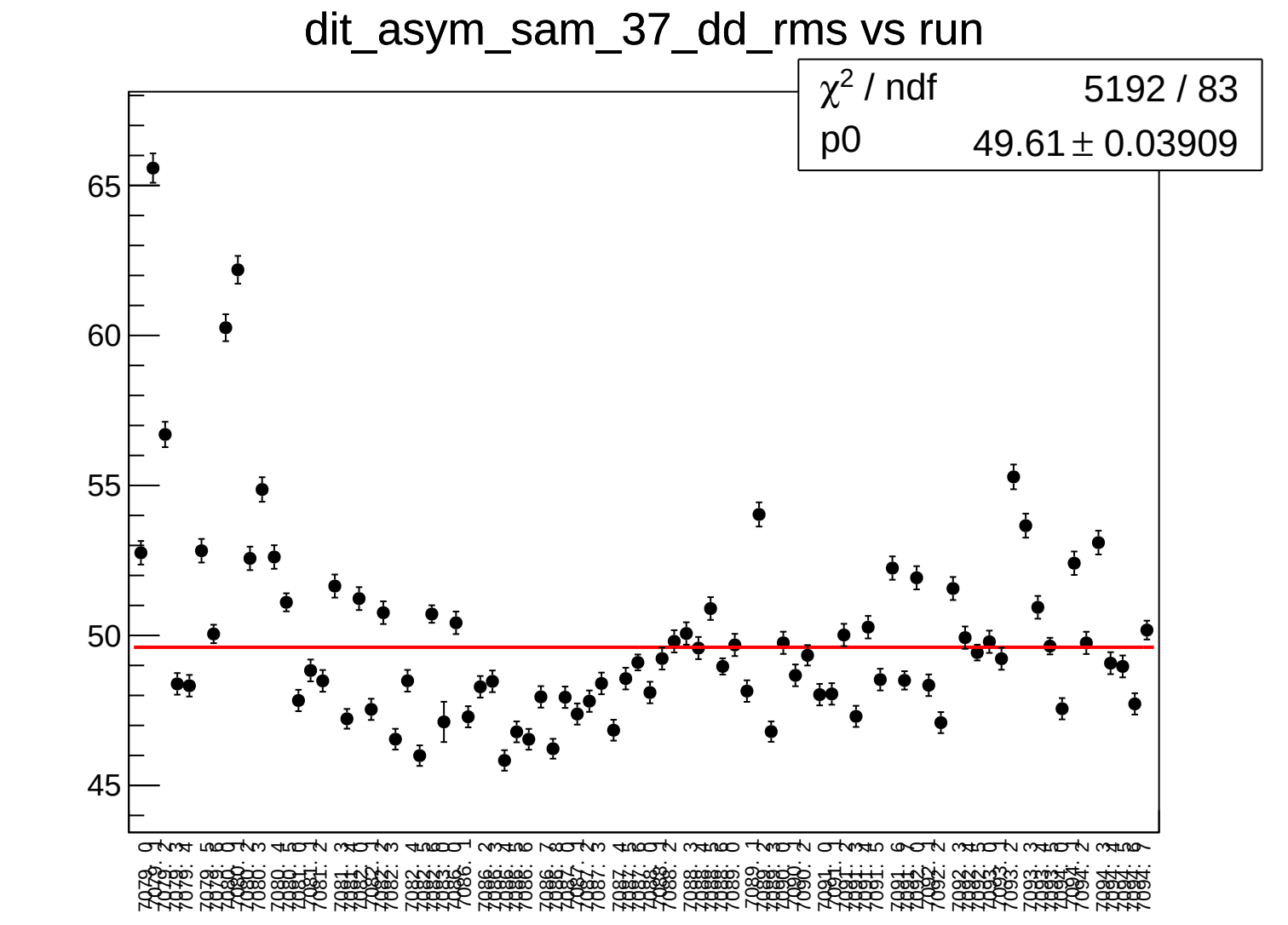

asym_sam_26_dd_mean vs run
χ² / ndf 74.2 / 83
p0 3648 ± 1749
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 84
Mean −397.9
Std Dev 430.7
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

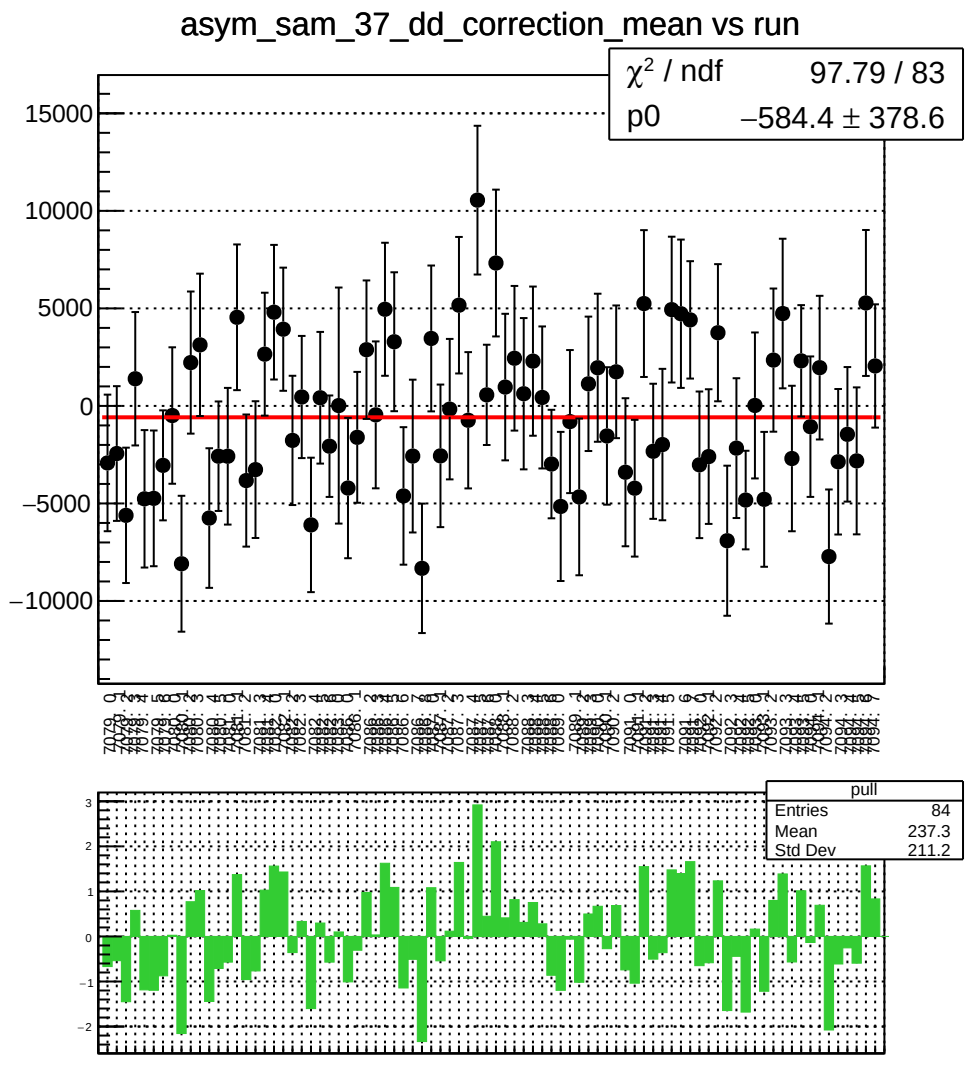

pull1D
Entries 84
Mean 0.01198
Std Dev 0.9398
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

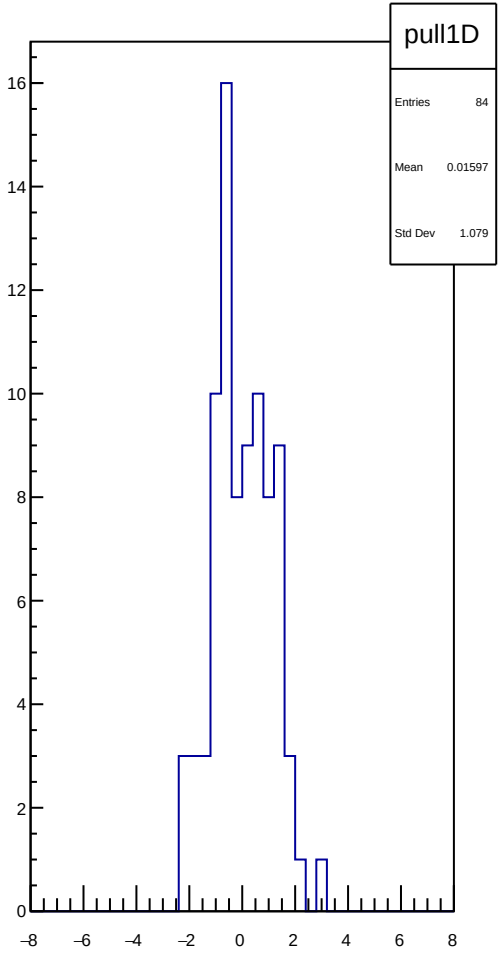

asym_sam_26_dd_rms vs run
χ² / ndf 3620 / 83
p0 1570 ± 1.237
1800
1700
1600
1500
1400

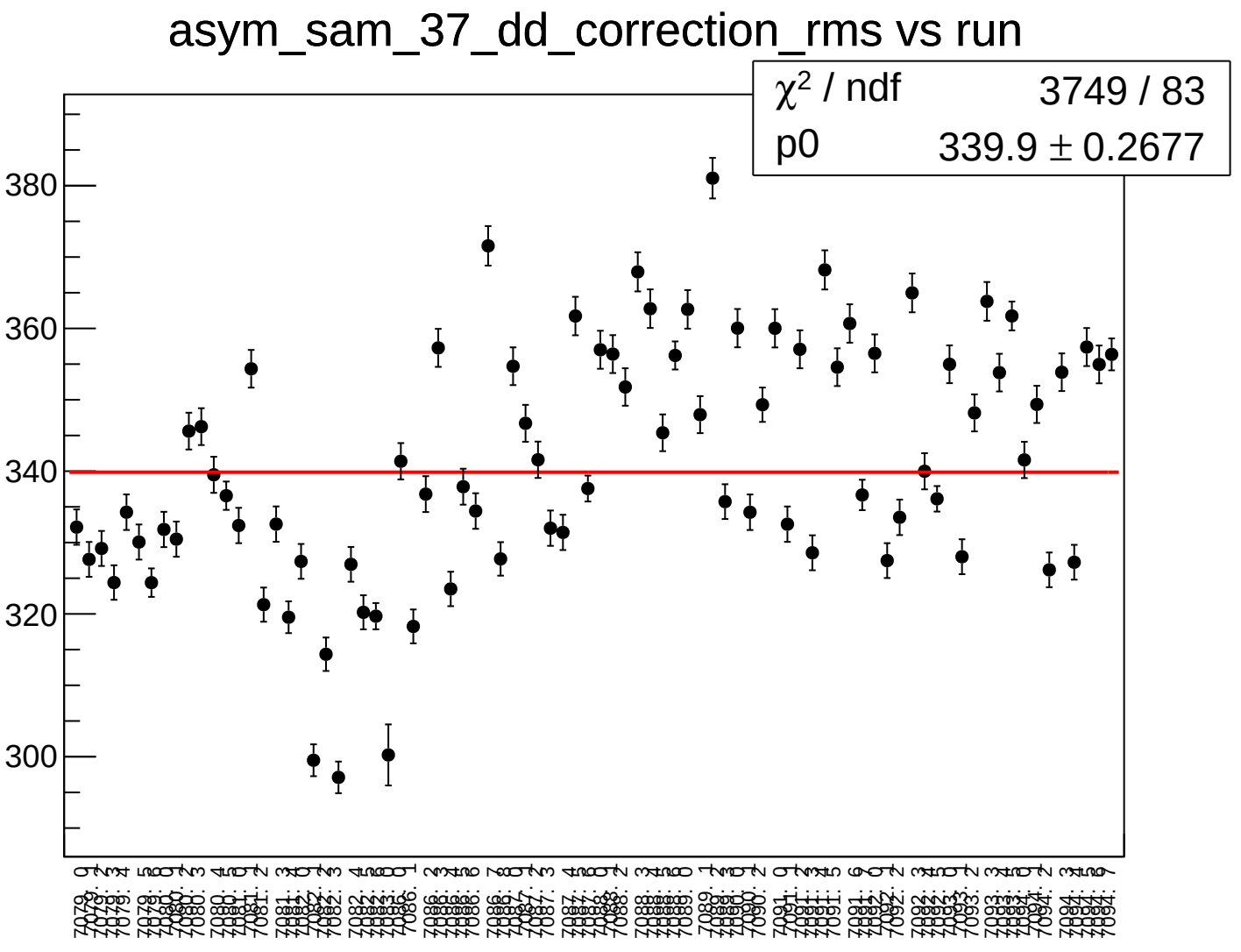

dit_asym_sam_37_dd_mean vs run
χ² / ndf 67.02 / 83
p0 −77.53 ± 55.28
pull
Entries 84
Mean 38.04
Std Dev 120.3

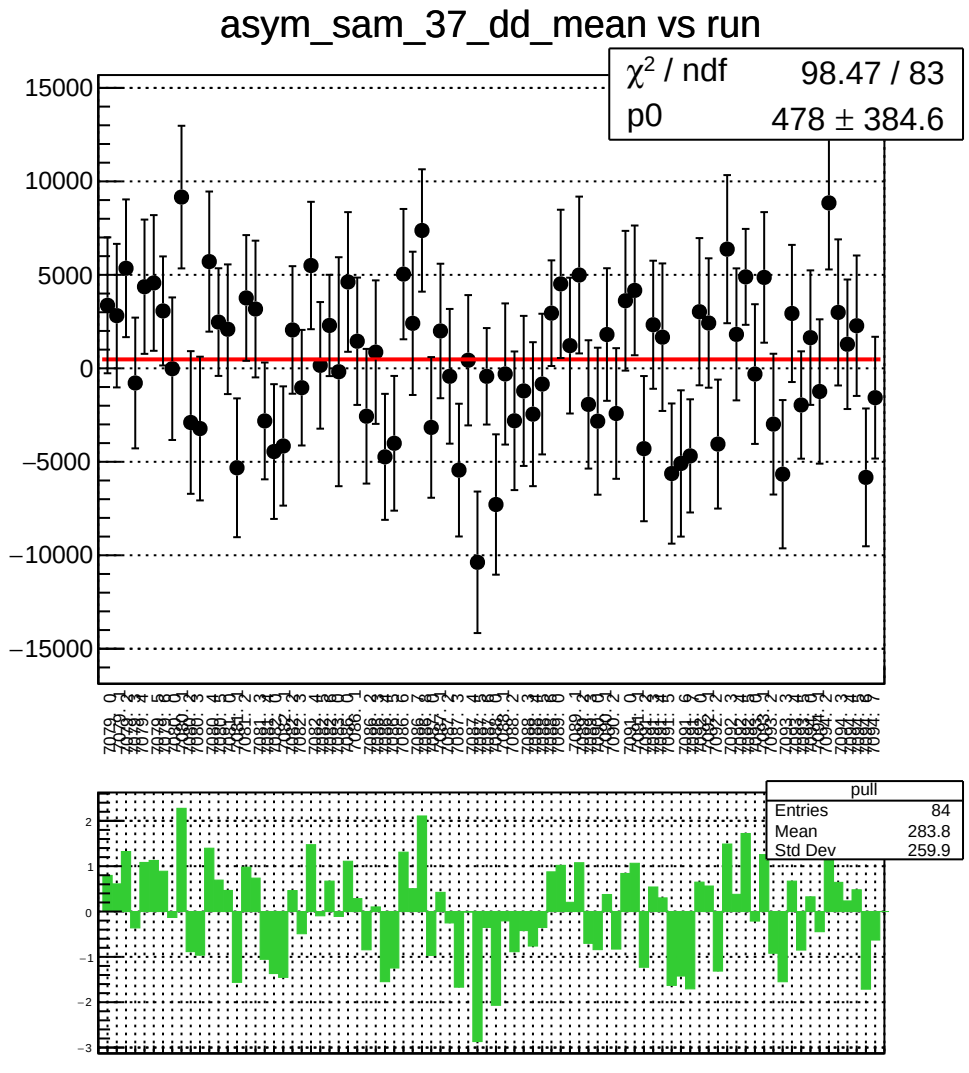

pull1D
Entries 84
Mean −0.004978
Std Dev 0.8932

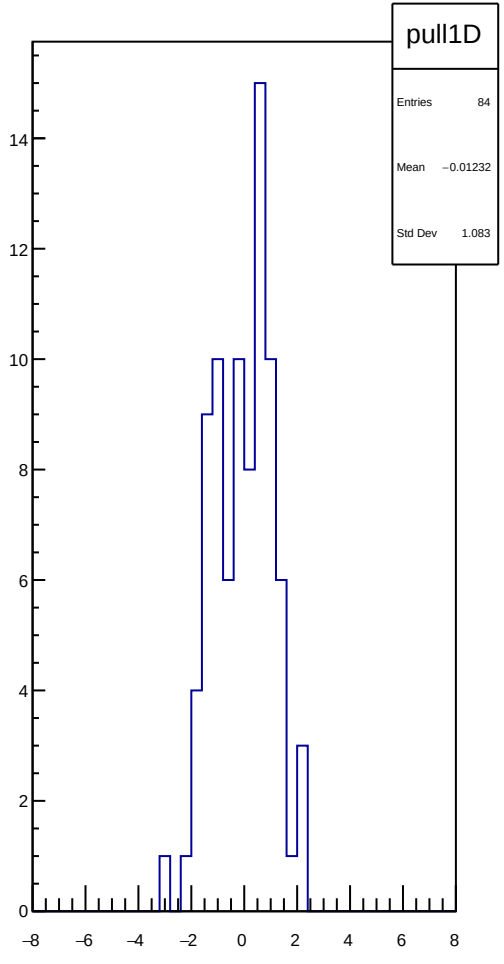

dit_asym_sam_37_dd_rms vs run
χ^2 / ndf 5192 / 83
p0 49.61 ± 0.03909
65
60
55
50
45

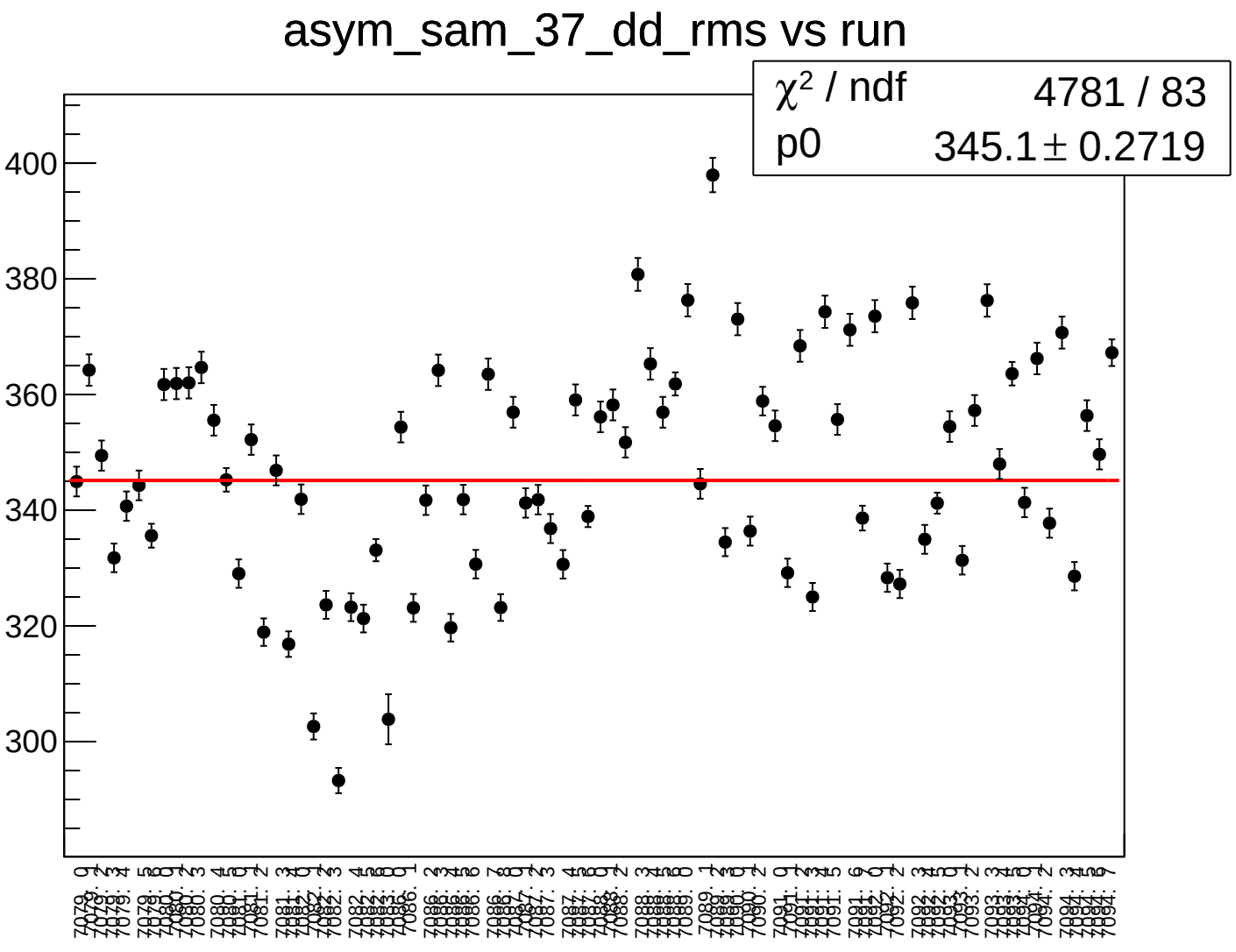

asym_sam_37_dd_correction_mean vs run
χ² / ndf 97.79 / 83
p0 −584.4 ± 378.6
15000
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 237.3
Std Dev 211.2
3
2
1
0
−1
−2

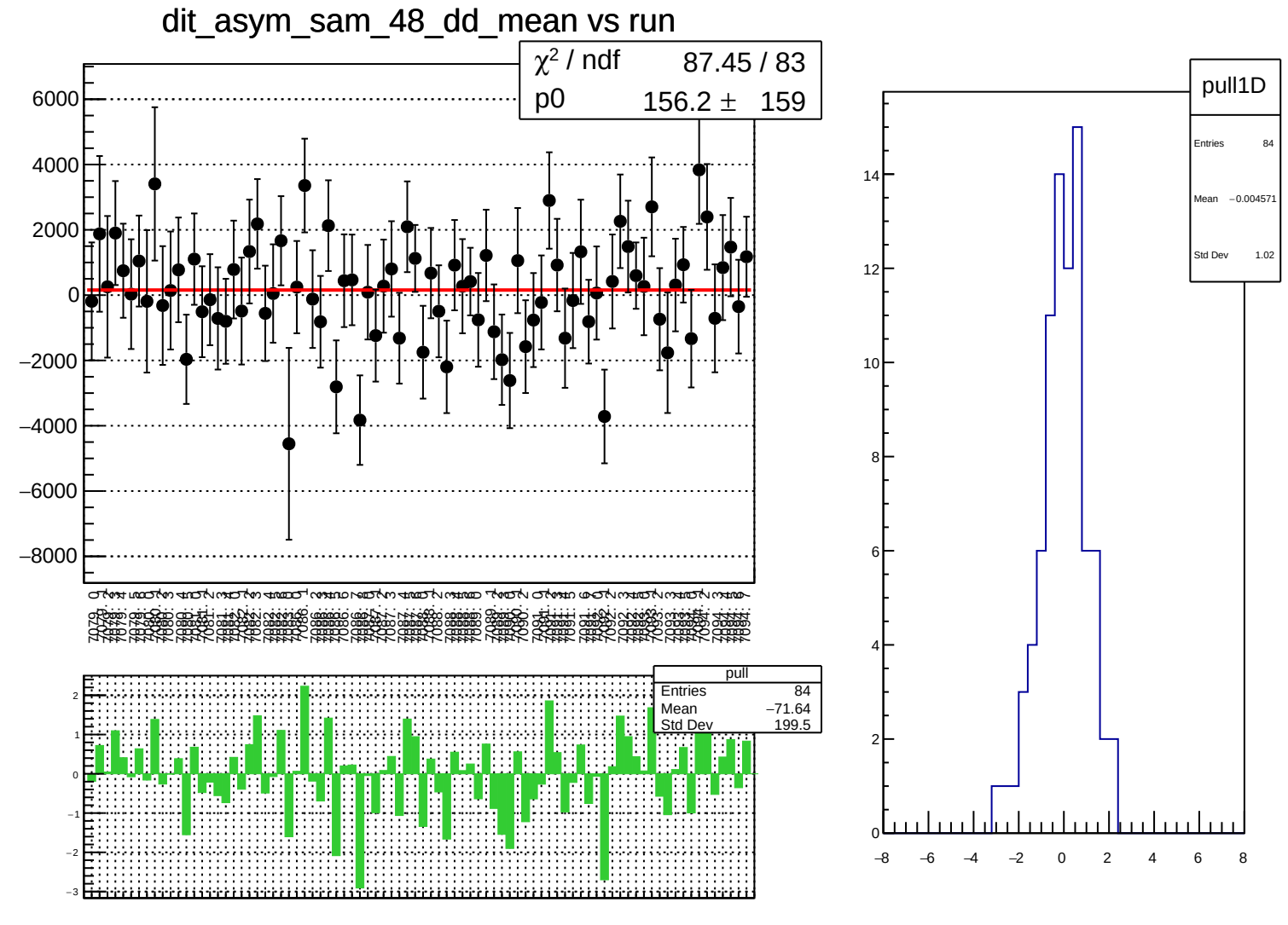

pull1D
Entries 84
Mean 0.01597
Std Dev 1.079
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

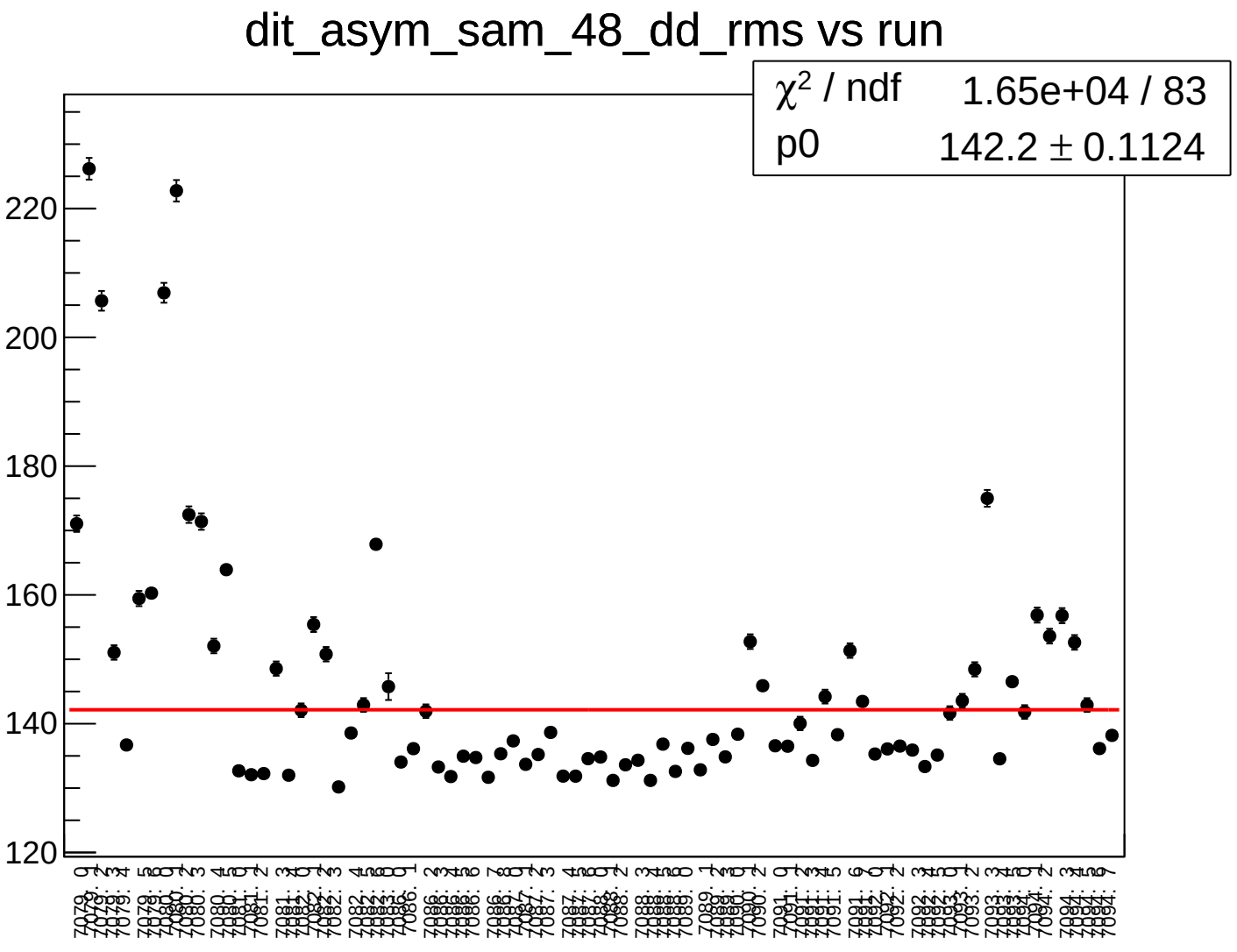

asym_sam_37_dd_correction_rms vs run
χ² / ndf 3749 / 83
p0 339.9 ± 0.2677
380
360
340
320
300

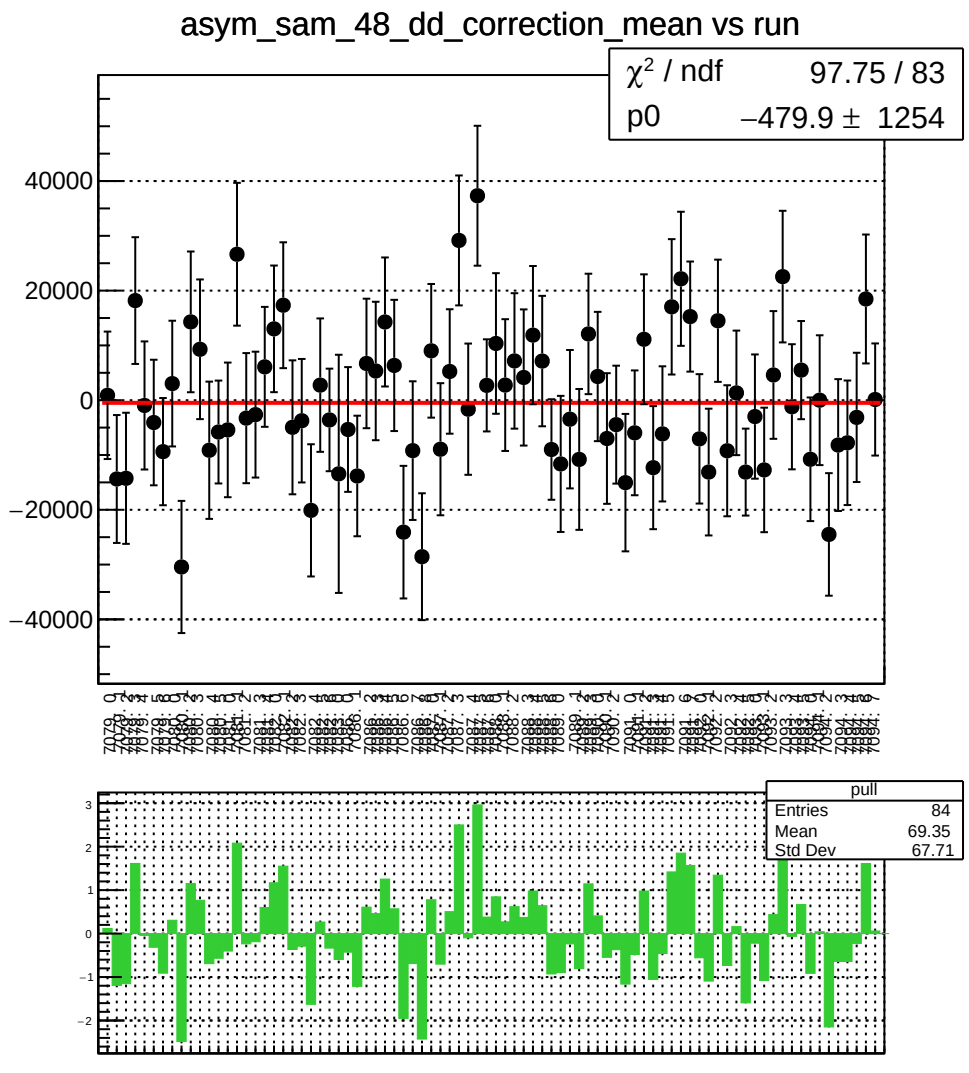

asym_sam_37_dd_mean vs run
χ² / ndf 98.47 / 83
p0 478 ± 384.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean 283.8
Std Dev 259.9
2
1
0
−1
−2
−3

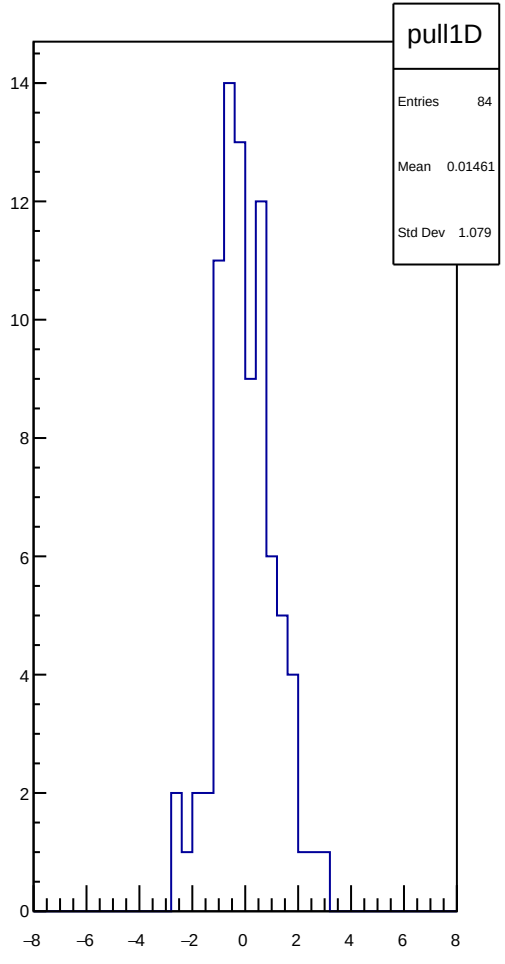

pull1D
Entries 84
Mean −0.01232
Std Dev 1.083
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

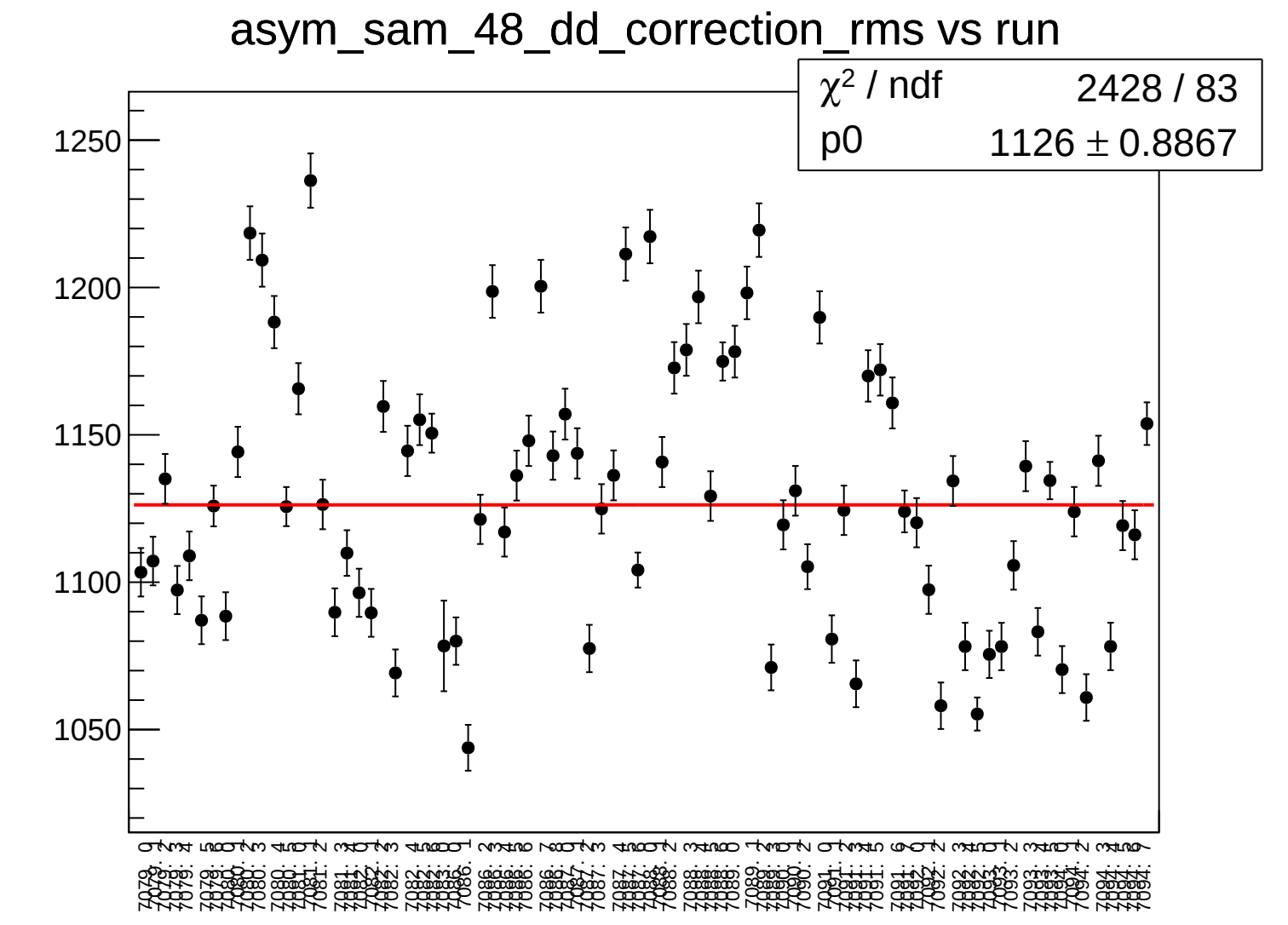

asym_sam_37_dd_rms vs run
χ² / ndf 4781 / 83
p0 345.1 ± 0.2719
400
380
360
340
320
300

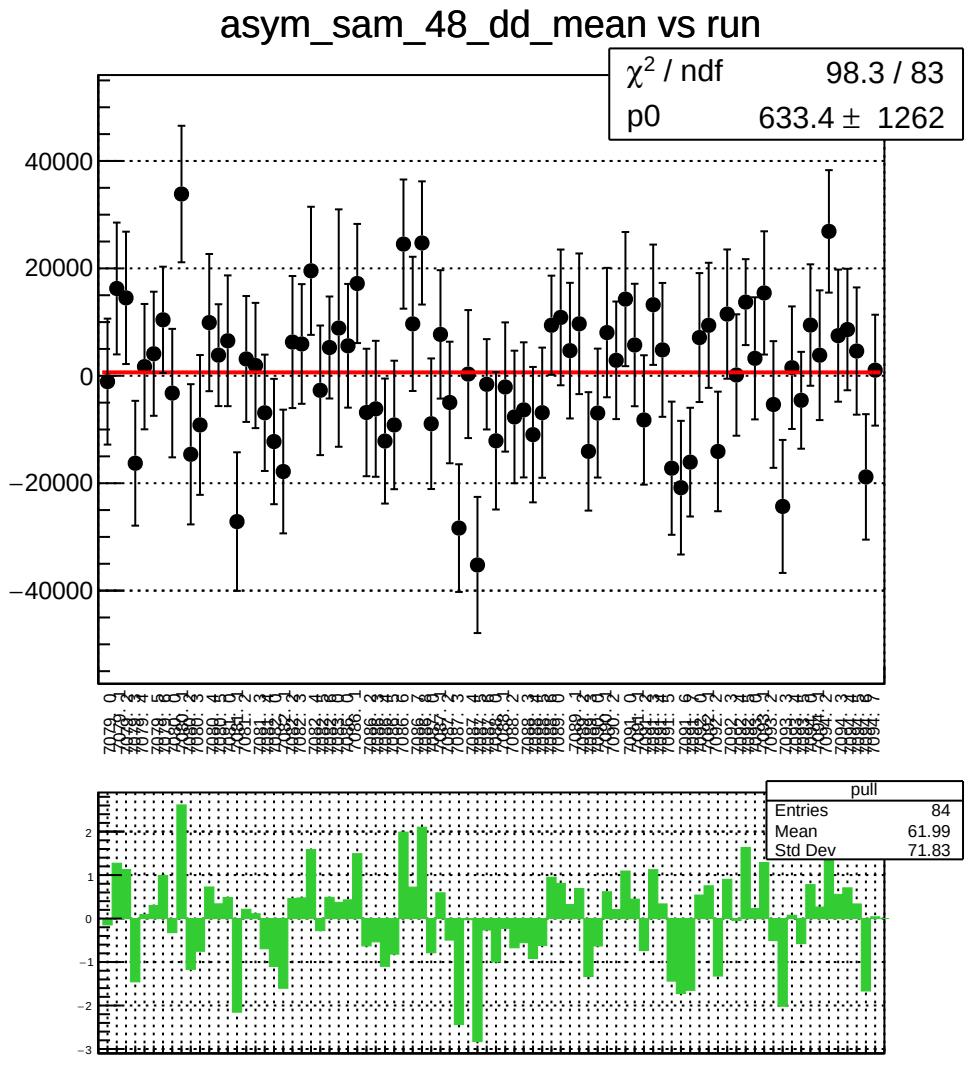

dit_asym_sam_48_dd_mean vs run
χ² / ndf 87.45 / 83
p0 156.2 ± 159
pull
Entries 84
Mean −71.64
Std Dev 199.5
pull1D
Entries 84
Mean −0.004571
Std Dev 1.02

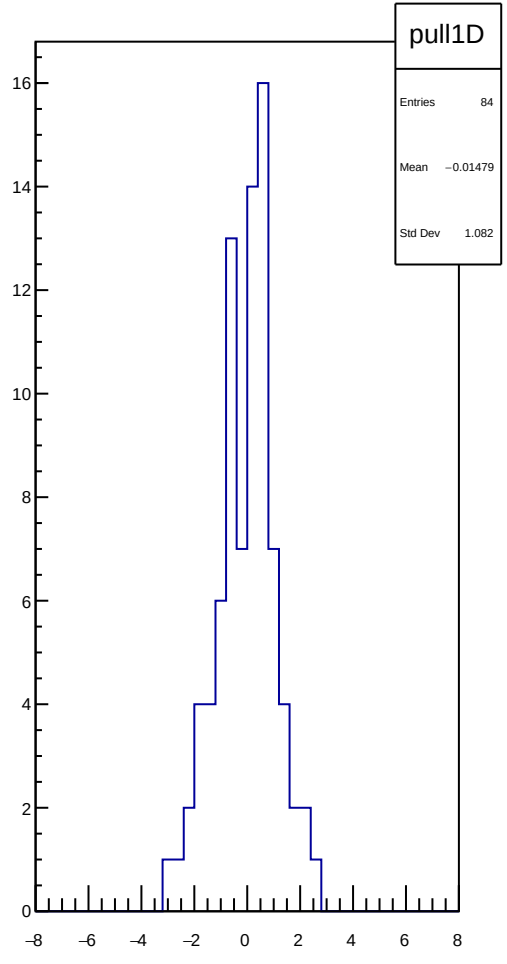

dit_asym_sam_48_dd_rms vs run
χ² / ndf 1.65e+04 / 83
p0 142.2 ± 0.1124
220
200
180
160
140
120

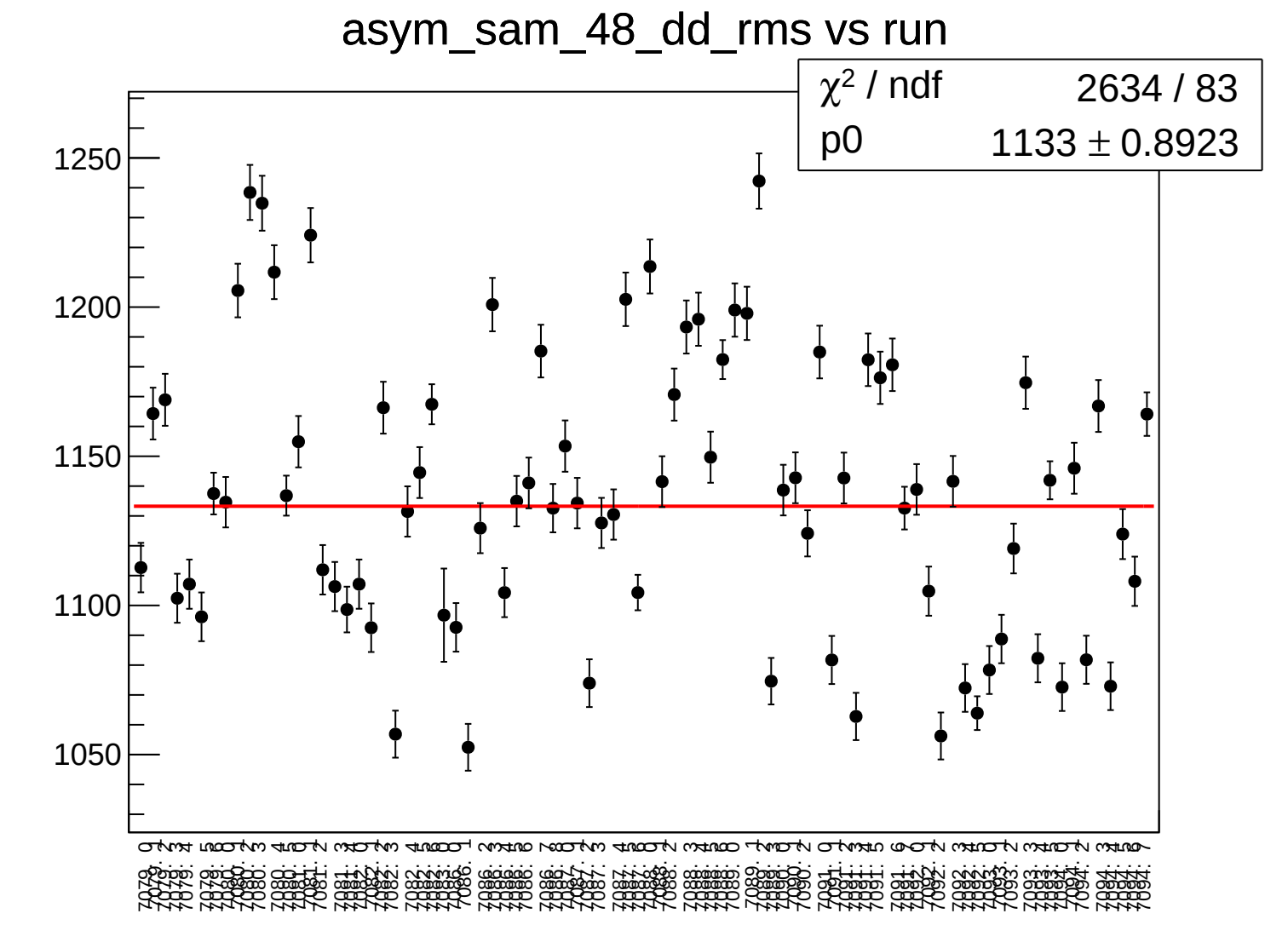

asym_sam_48_dd_correction_mean vs run
χ² / ndf 97.75 / 83
p0 −479.9 ± 1254
40000
20000
0
−20000
−40000
pull
Entries 84
Mean 69.35
Std Dev 67.71
3
2
1
0
−1
−2

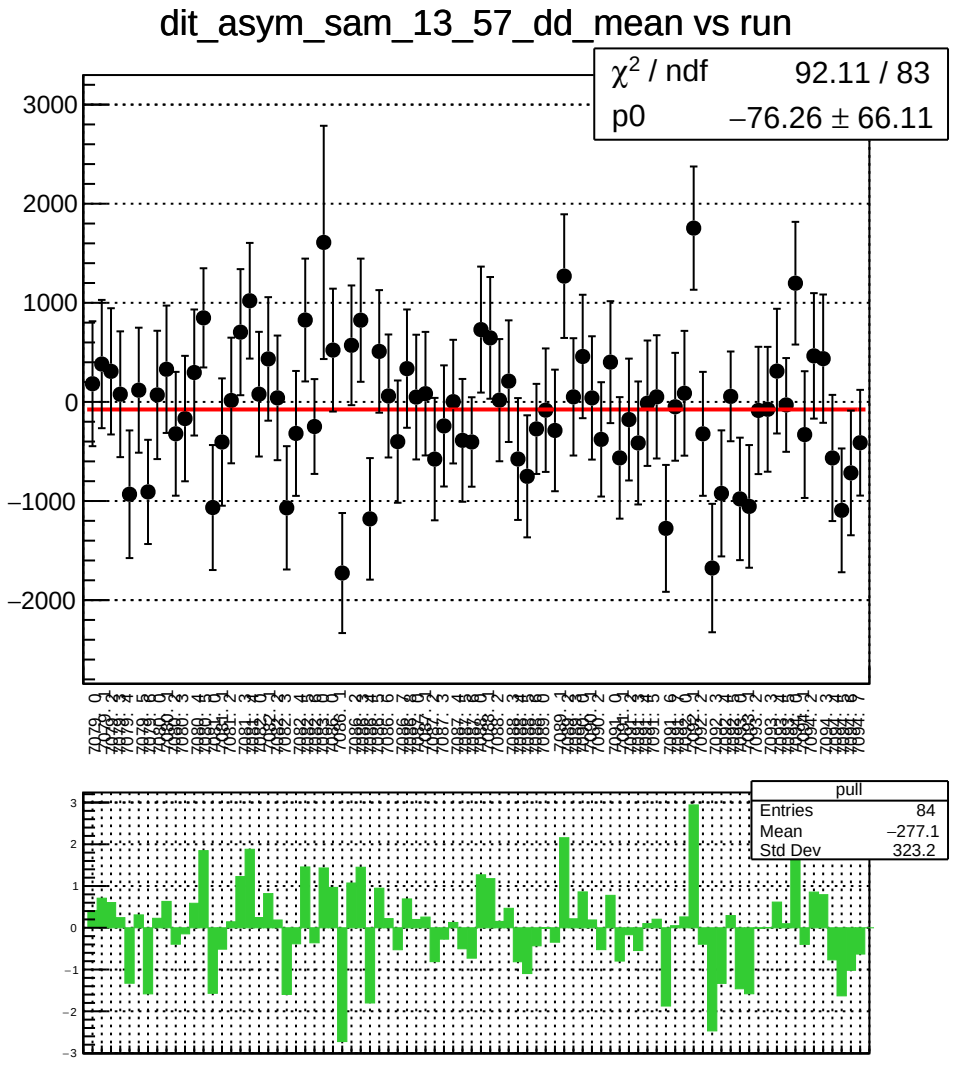

pull1D
Entries 84
Mean 0.01461
Std Dev 1.079
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

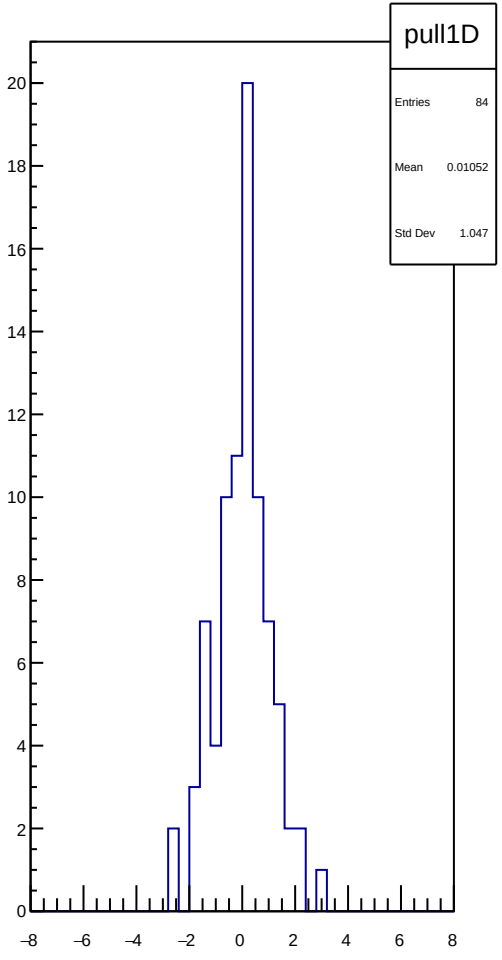

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2428 / 83
p0 1126 ± 0.8867
1250
1200
1150
1100
1050

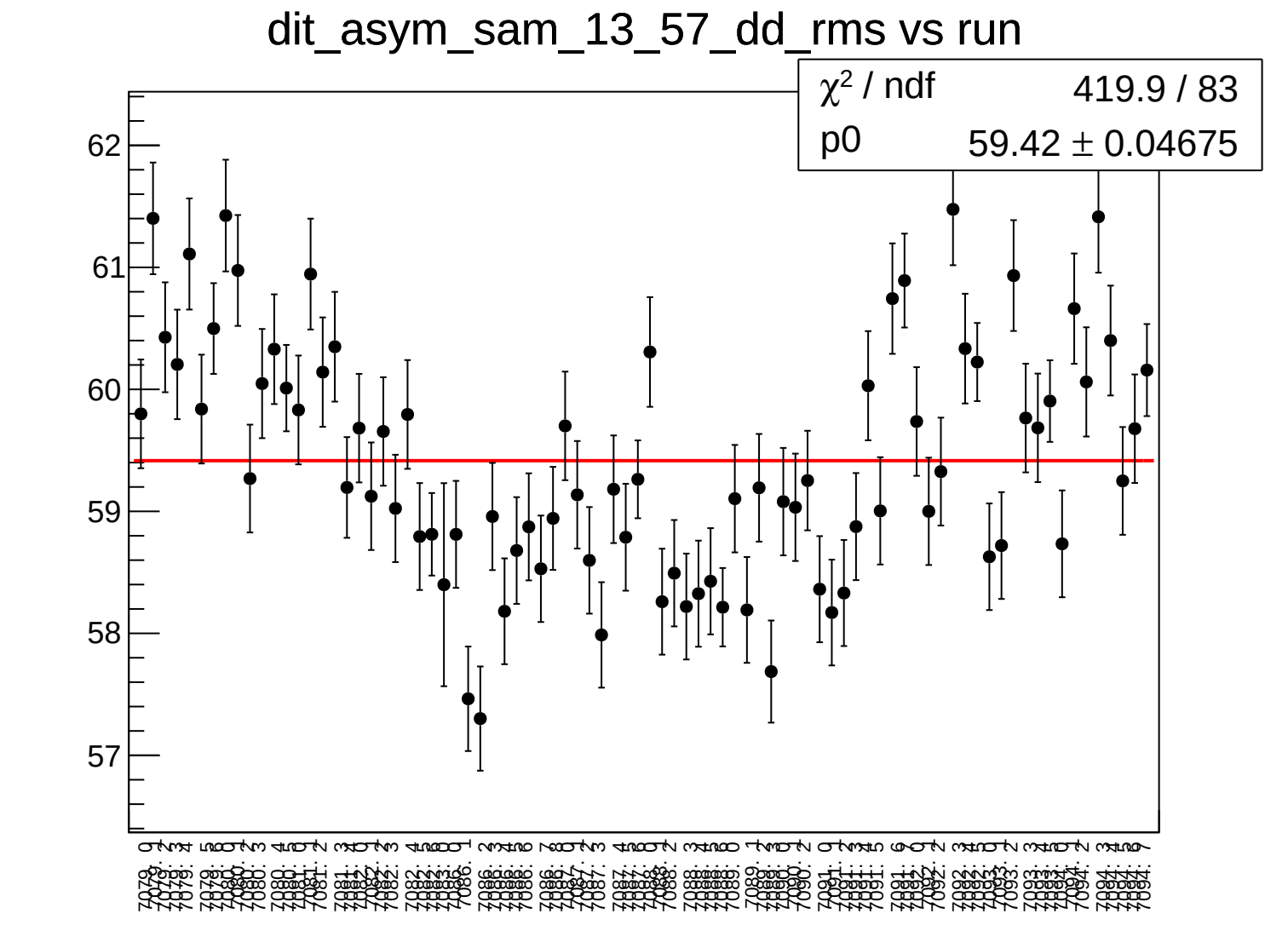

asym_sam_48_dd_mean vs run
χ² / ndf 98.3 / 83
p0 633.4 ± 1262
40000
20000
0
−20000
−40000
pull
Entries 84
Mean 61.99
Std Dev 71.83
2
1
0
−1
−2
−3

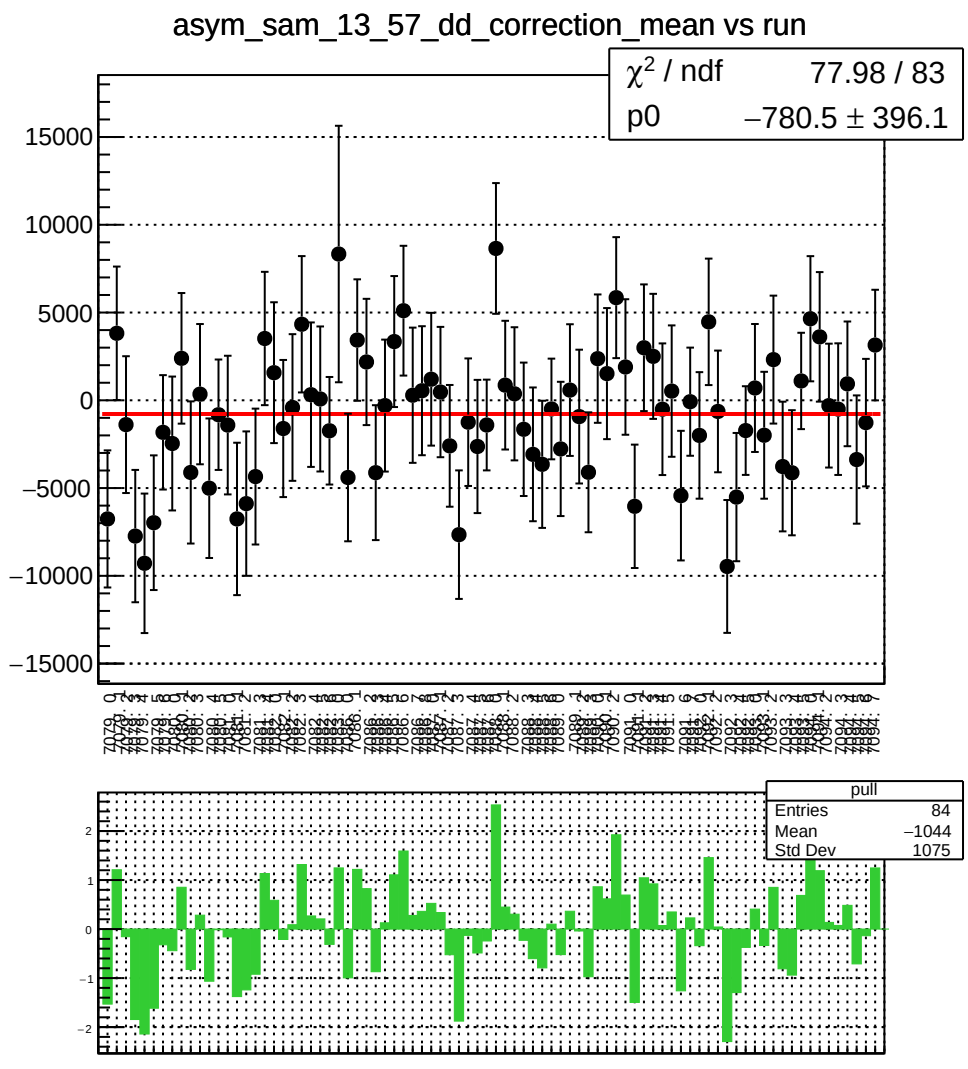

pull1D
Entries 84
Mean −0.01479
Std Dev 1.082
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

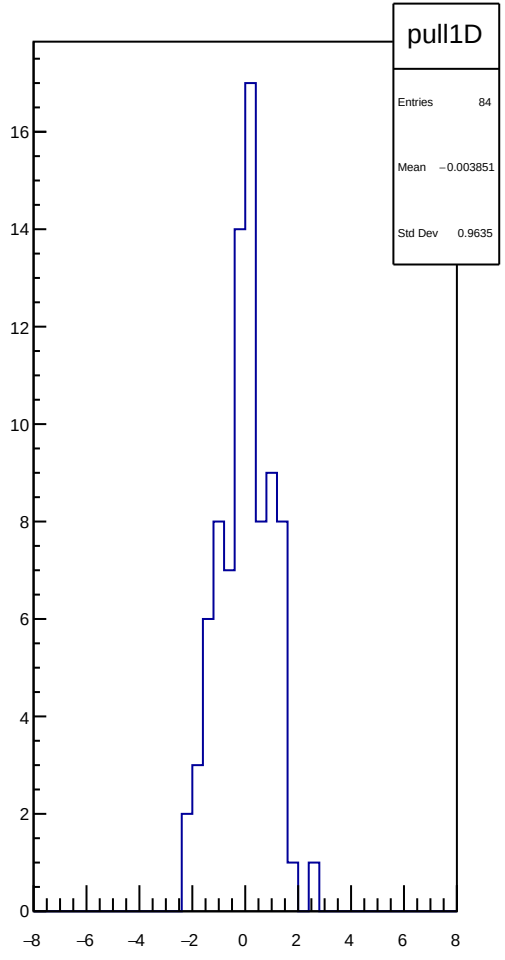

asym_sam_48_dd_rms vs run
χ² / ndf 2634 / 83
p0 1133 ± 0.8923
1250
1200
1150
1100
1050

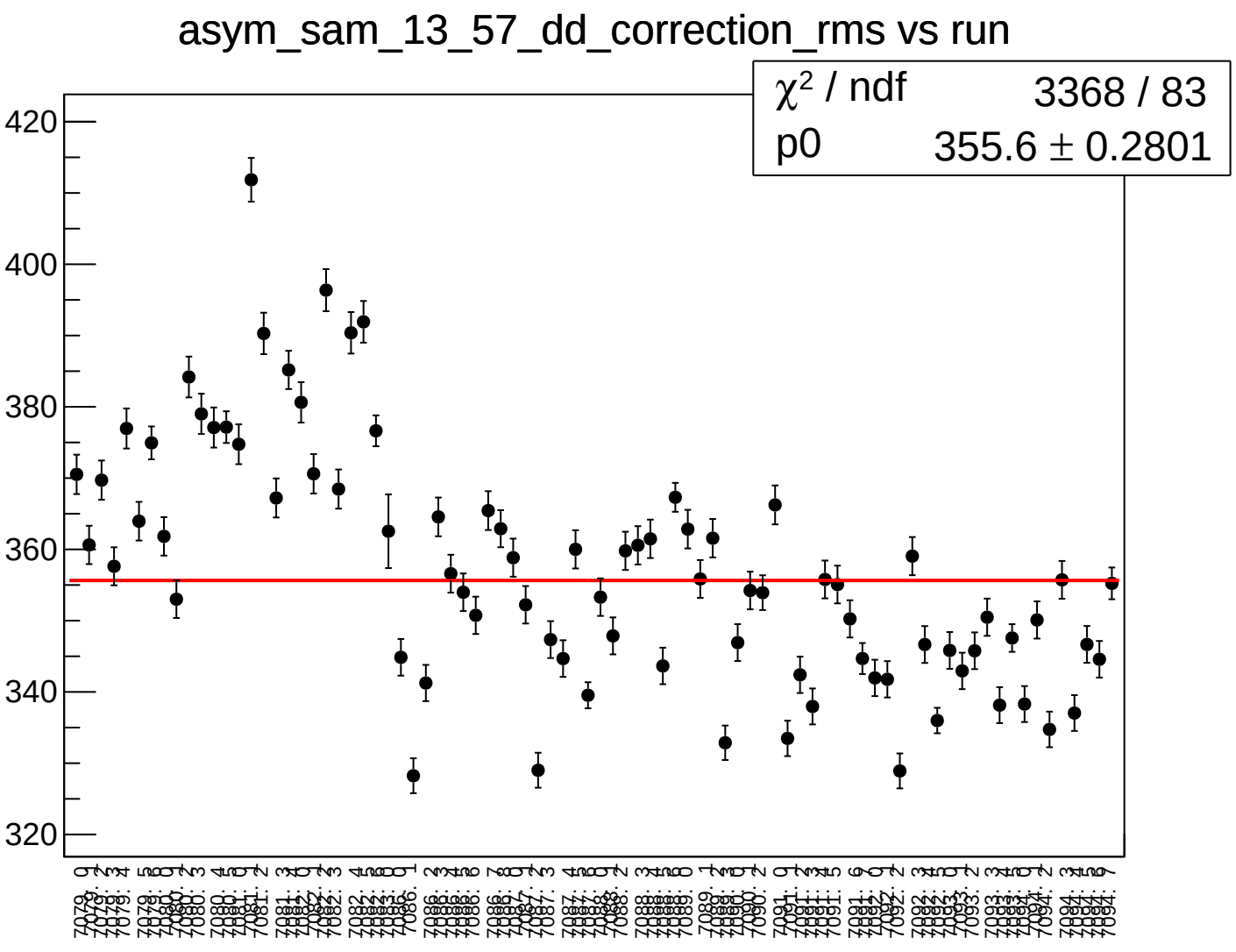

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 92.11 / 83
p0 −76.26 ± 66.11
pull
Entries 84
Mean −277.1
Std Dev 323.2

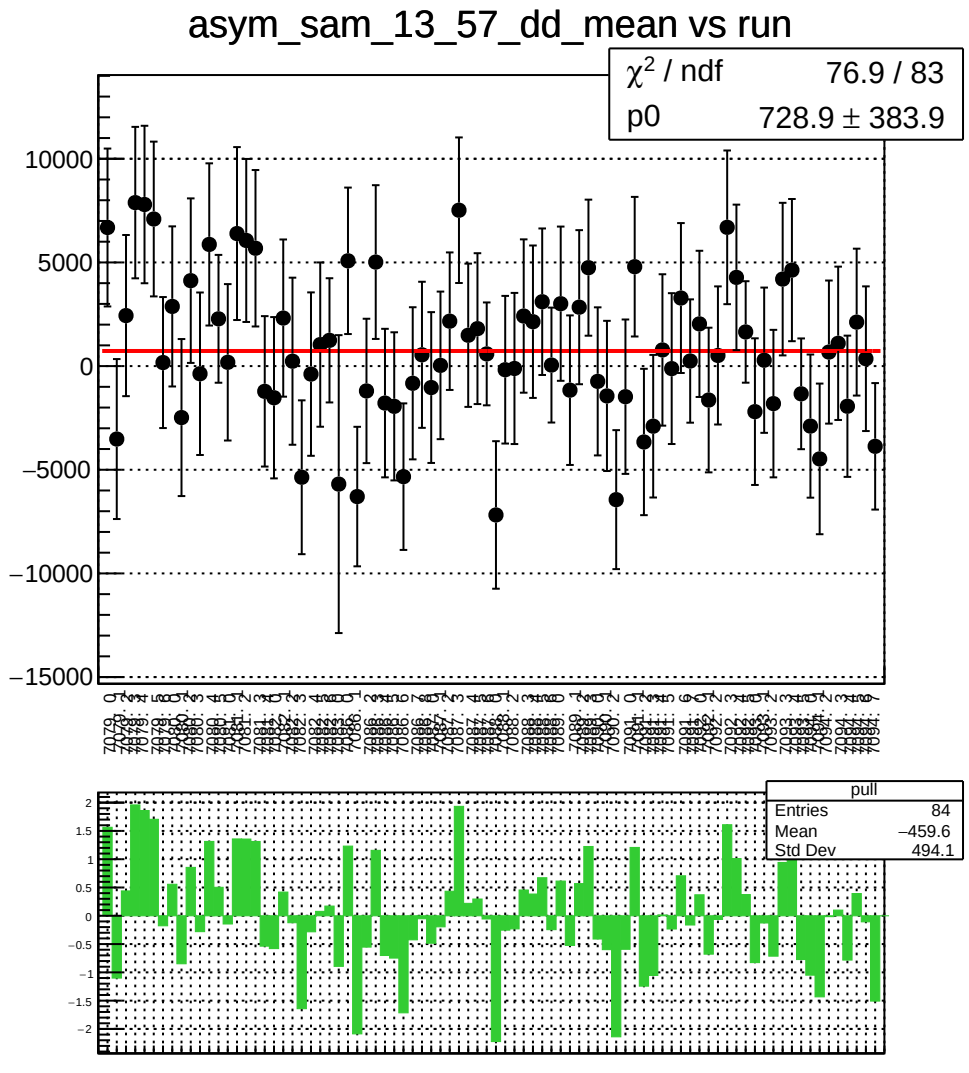

pull1D
Entries 84
Mean 0.01052
Std Dev 1.047

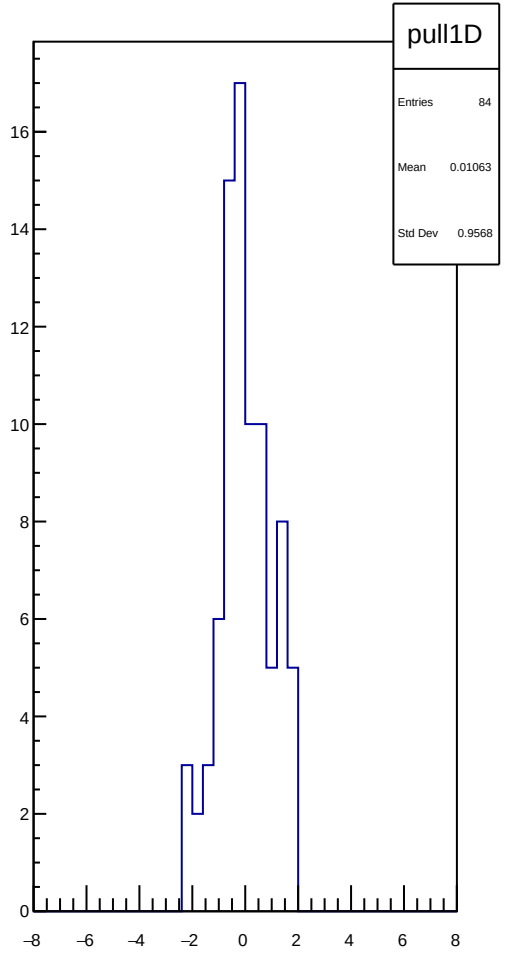

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 419.9 / 83
p0 59.42 ± 0.04675
62
61
60
59
58
57

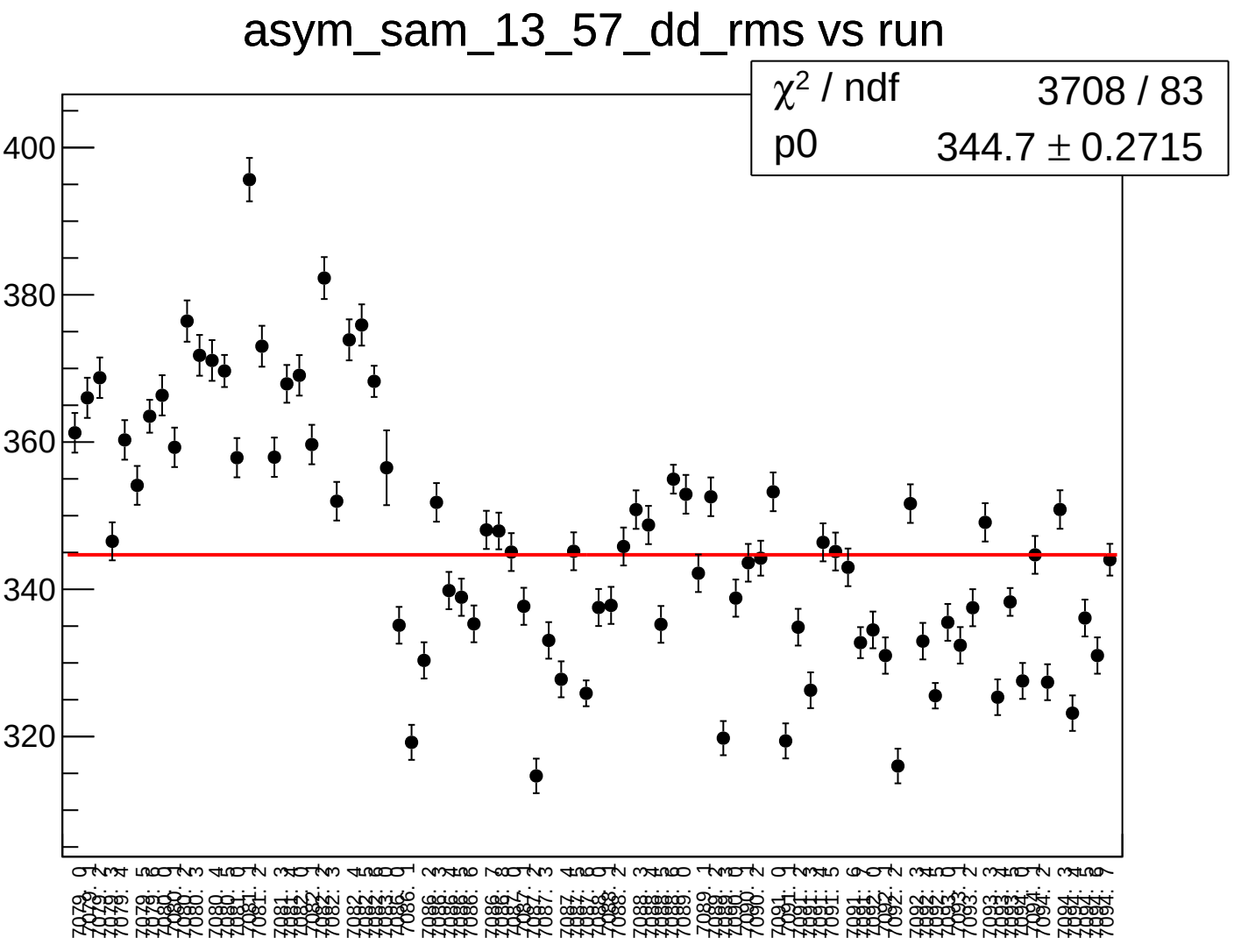

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 77.98 / 83
p0 −780.5 ± 396.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −1044
Std Dev 1075
2
1
0
−1
−2

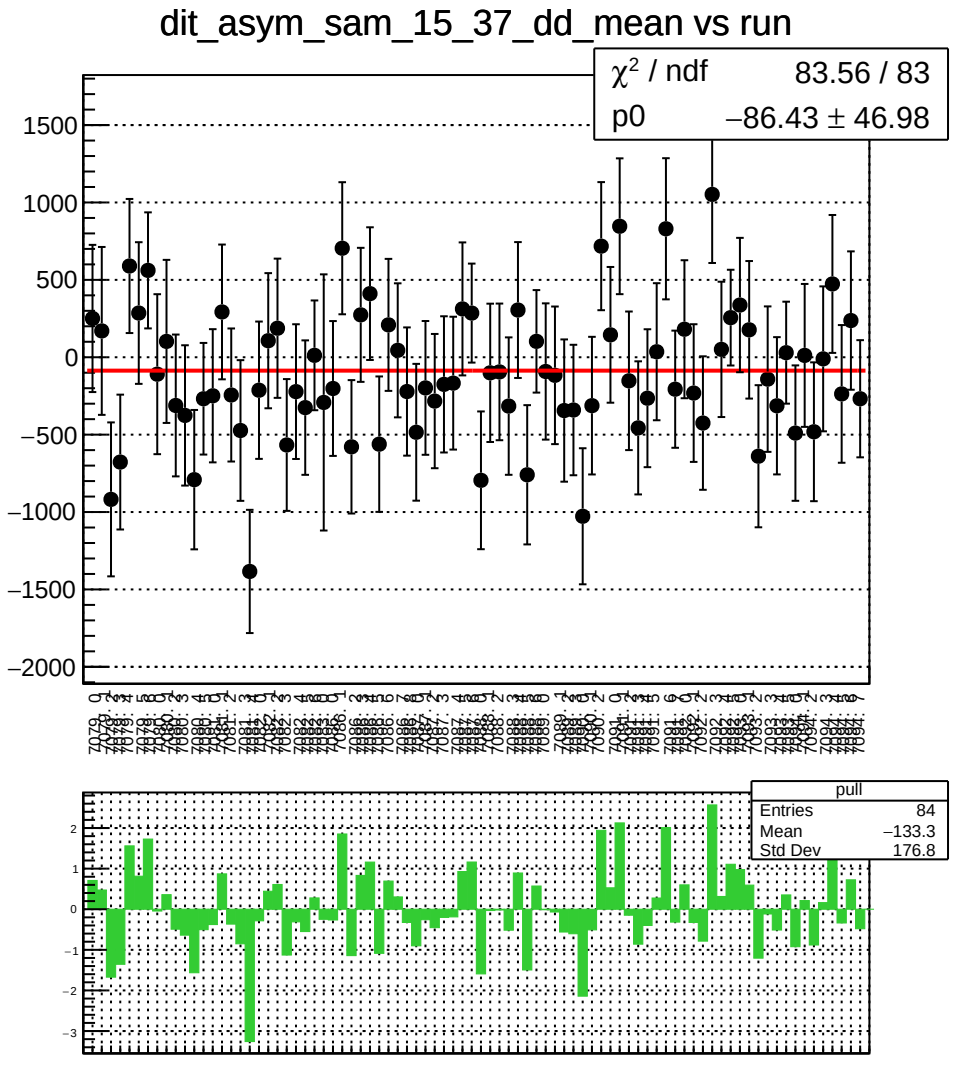

pull1D
Entries 84
Mean −0.003851
Std Dev 0.9635
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

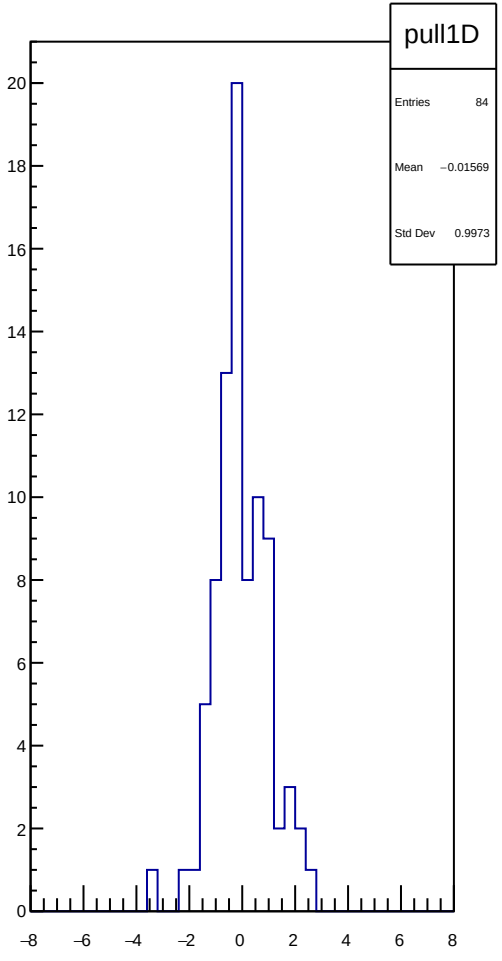

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 3368 / 83
p0 355.6 ± 0.2801
420
400
380
360
340
320

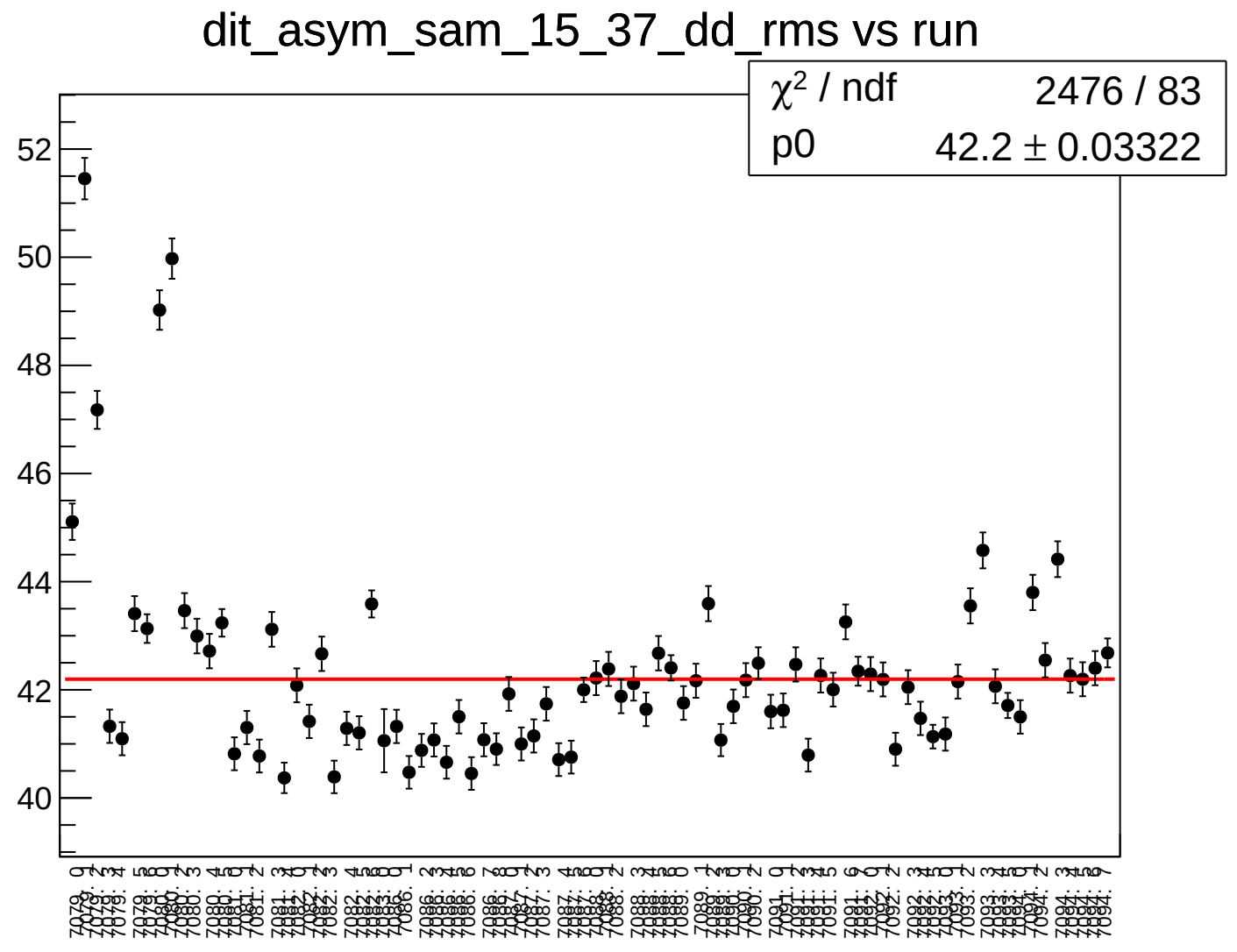

asym_sam_13_57_dd_mean vs run
χ² / ndf 76.9 / 83
p0 728.9 ± 383.9
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −459.6
Std Dev 494.1
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

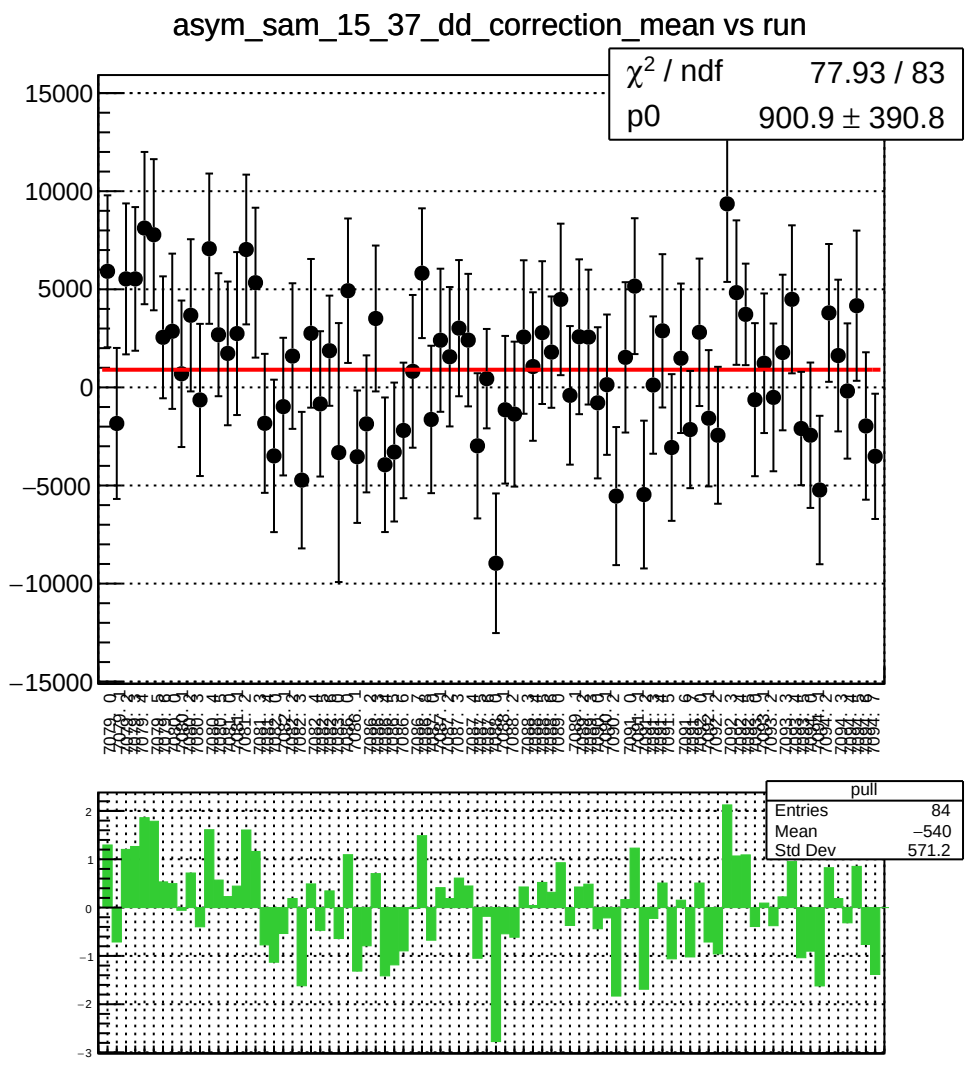

pull1D
Entries 84
Mean 0.01063
Std Dev 0.9568
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

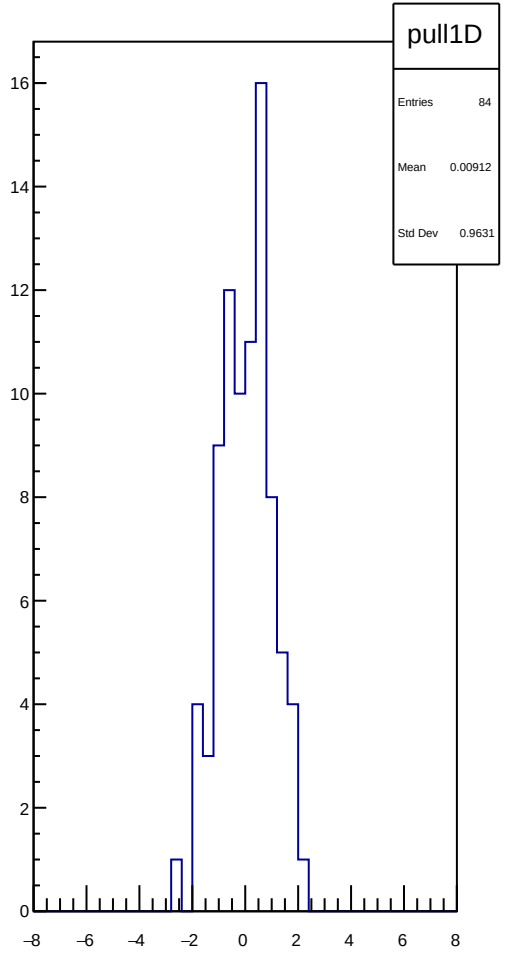

asym_sam_13_57_dd_rms vs run
χ² / ndf 3708 / 83
p0 344.7 ± 0.2715
400
380
360
340
320

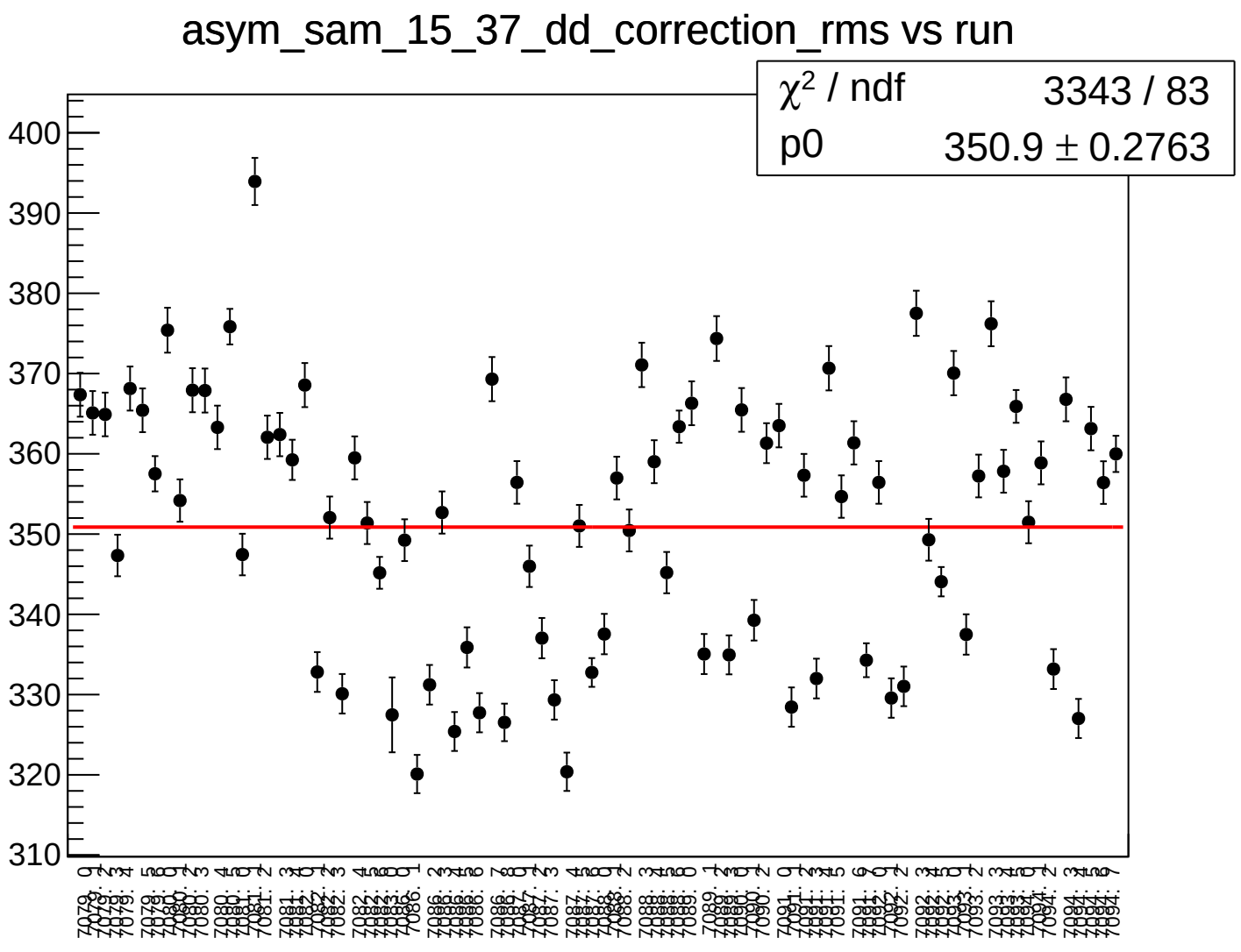

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 83.56 / 83
p0 −86.43 ± 46.98
1500
1000
500
0
−500
−1000
−1500
−2000
pull
Entries 84
Mean −133.3
Std Dev 176.8
2
1
0
−1
−2
−3

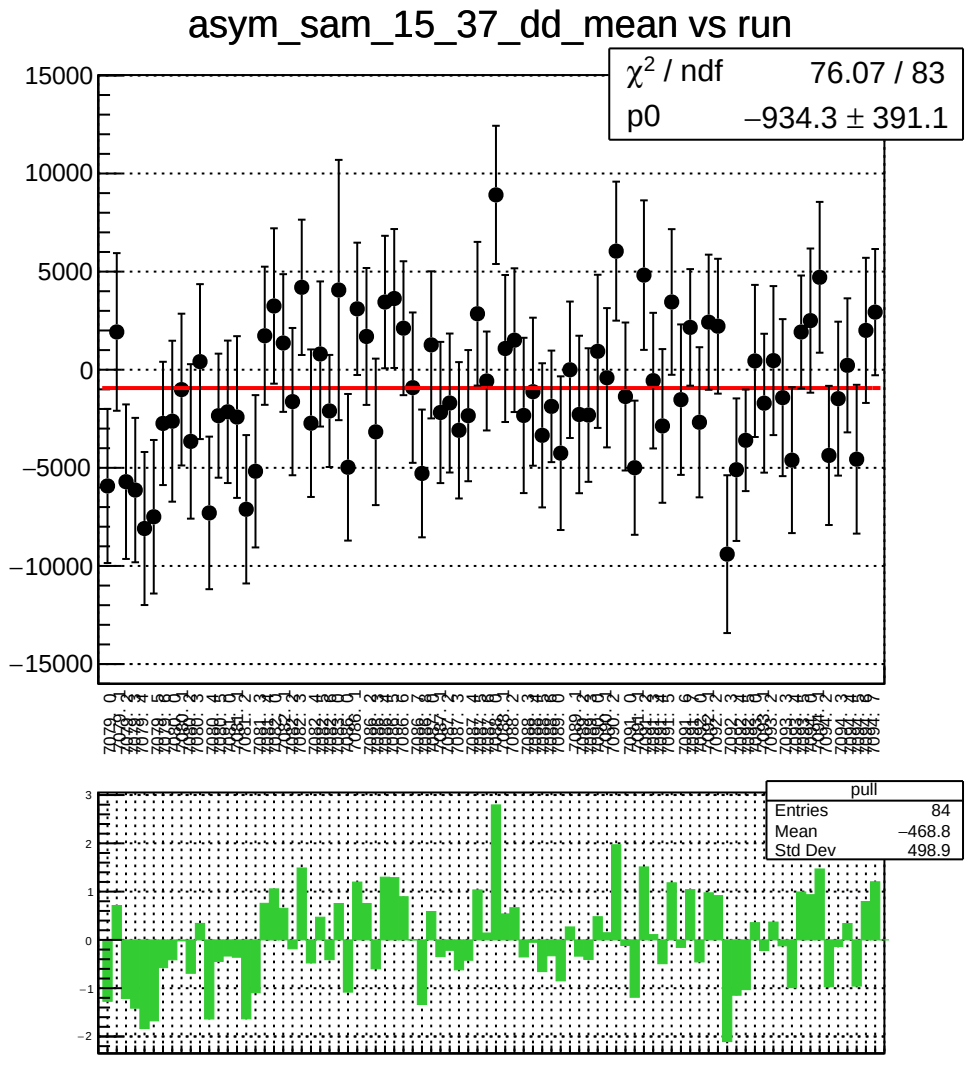

pull1D
Entries 84
Mean −0.01569
Std Dev 0.9973
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

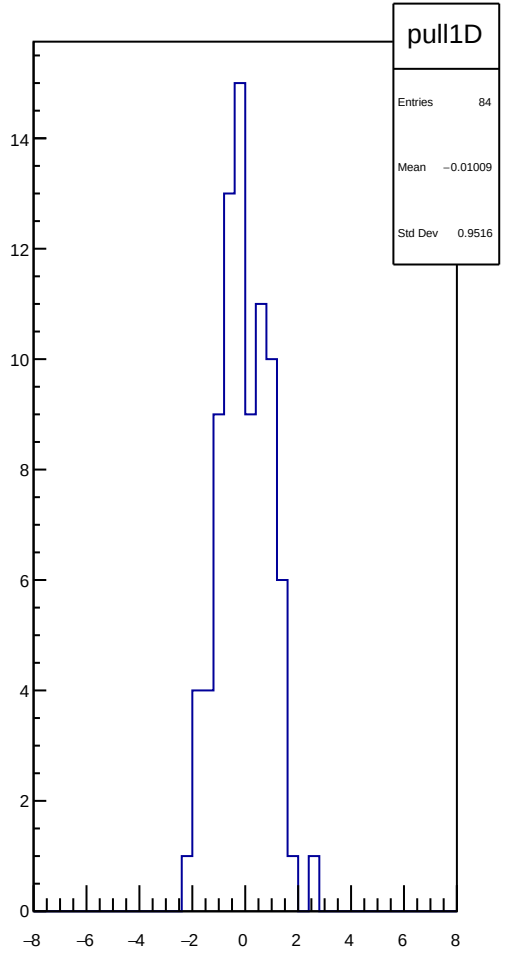

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 2476 / 83
p0 42.2 ± 0.03322
52
50
48
46
44
42
40

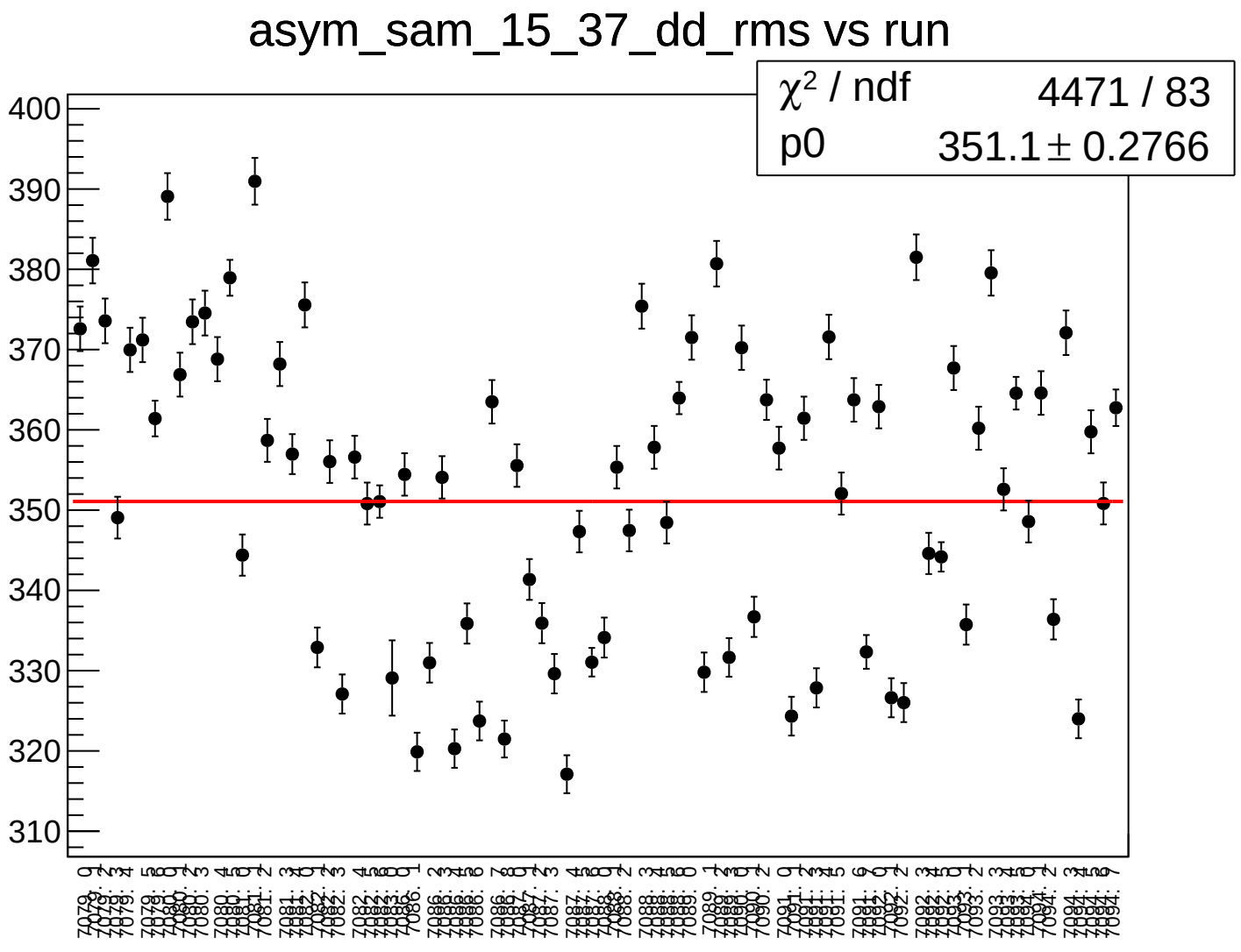

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 77.93 / 83
p0 900.9 ± 390.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −540
Std Dev 571.2
2
1
0
−1
−2
−3

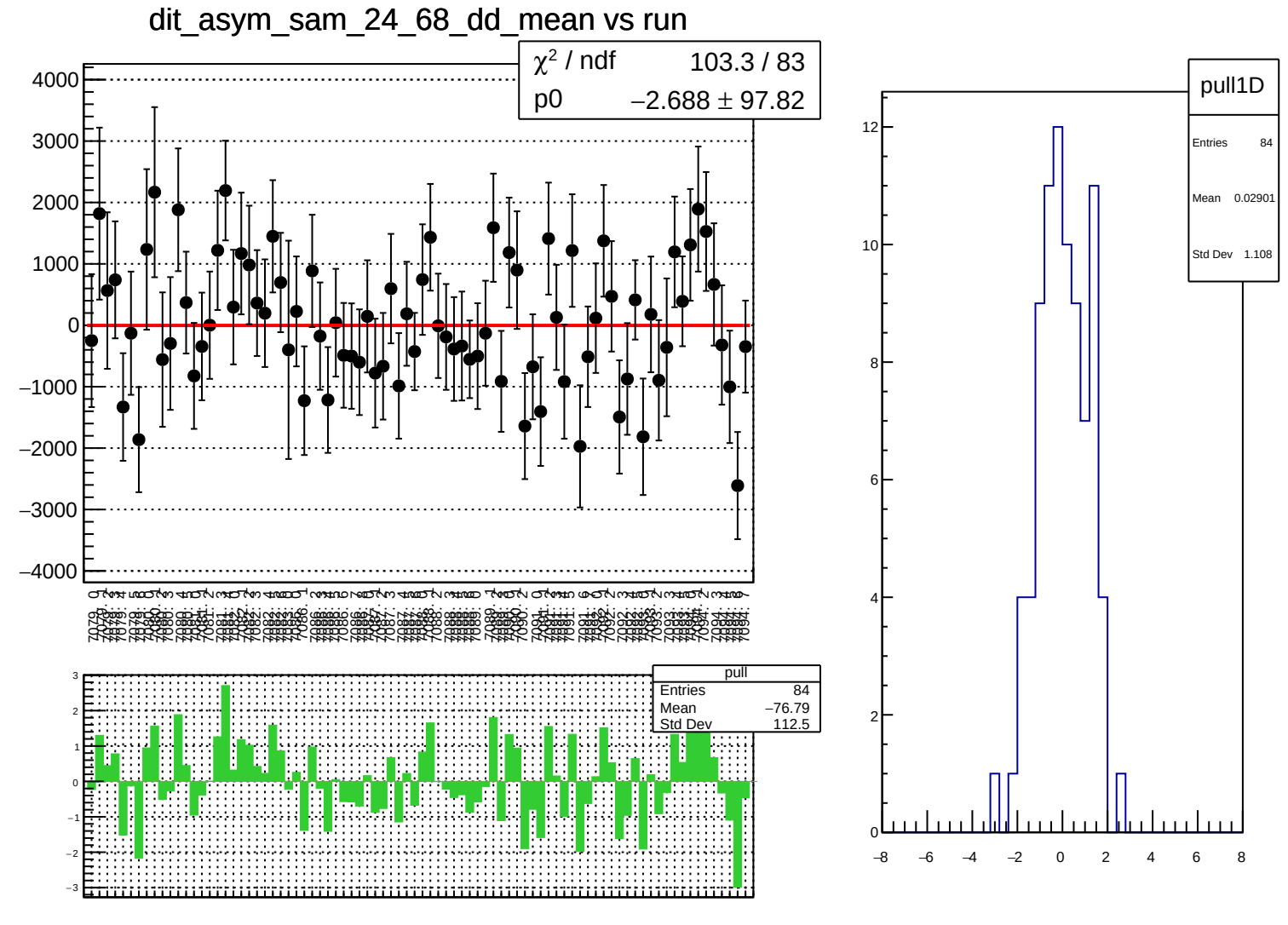

pull1D
Entries 84
Mean 0.00912
Std Dev 0.9631
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

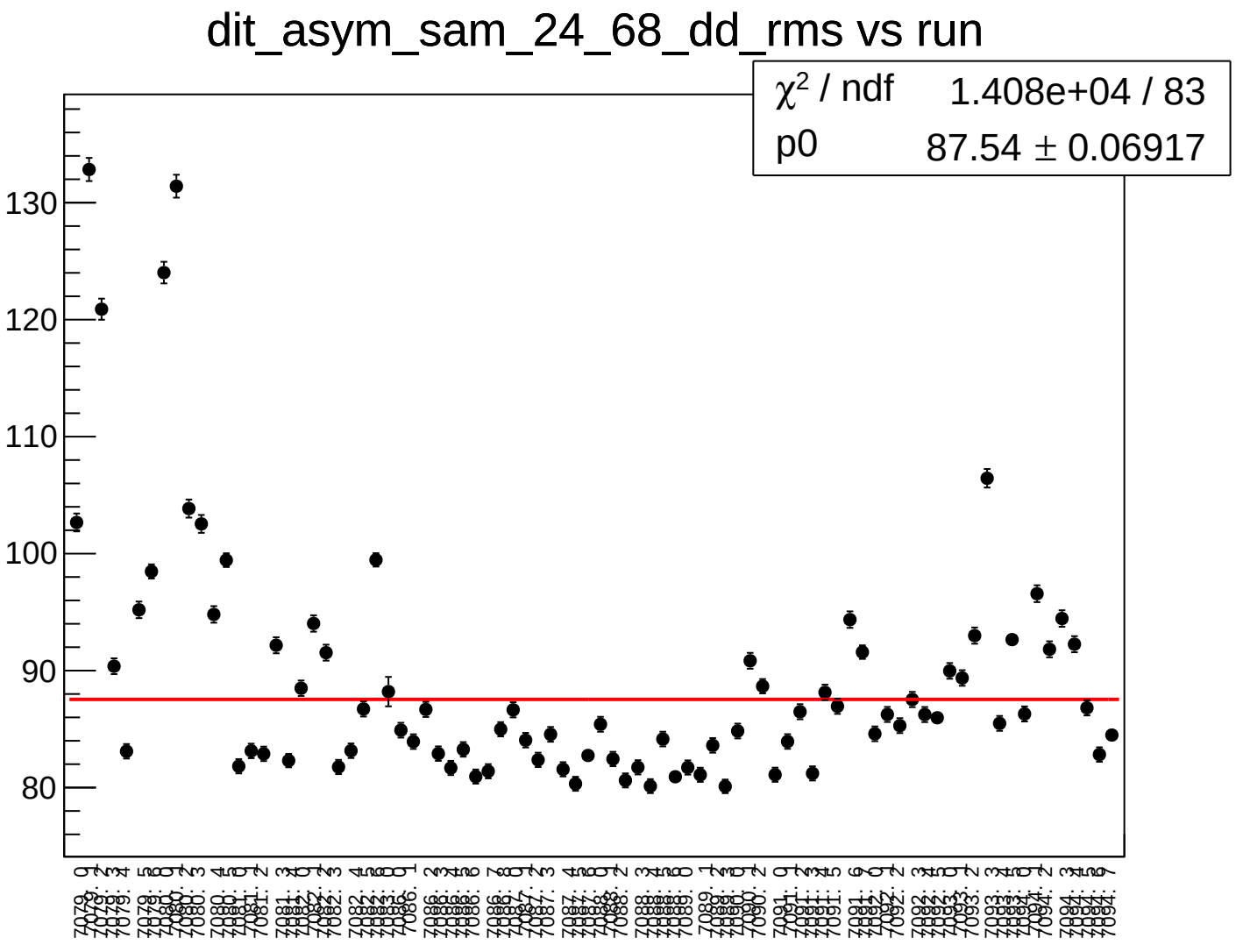

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 3343 / 83
p0 350.9 ± 0.2763
400
390
380
370
360
350
340
330
320
310

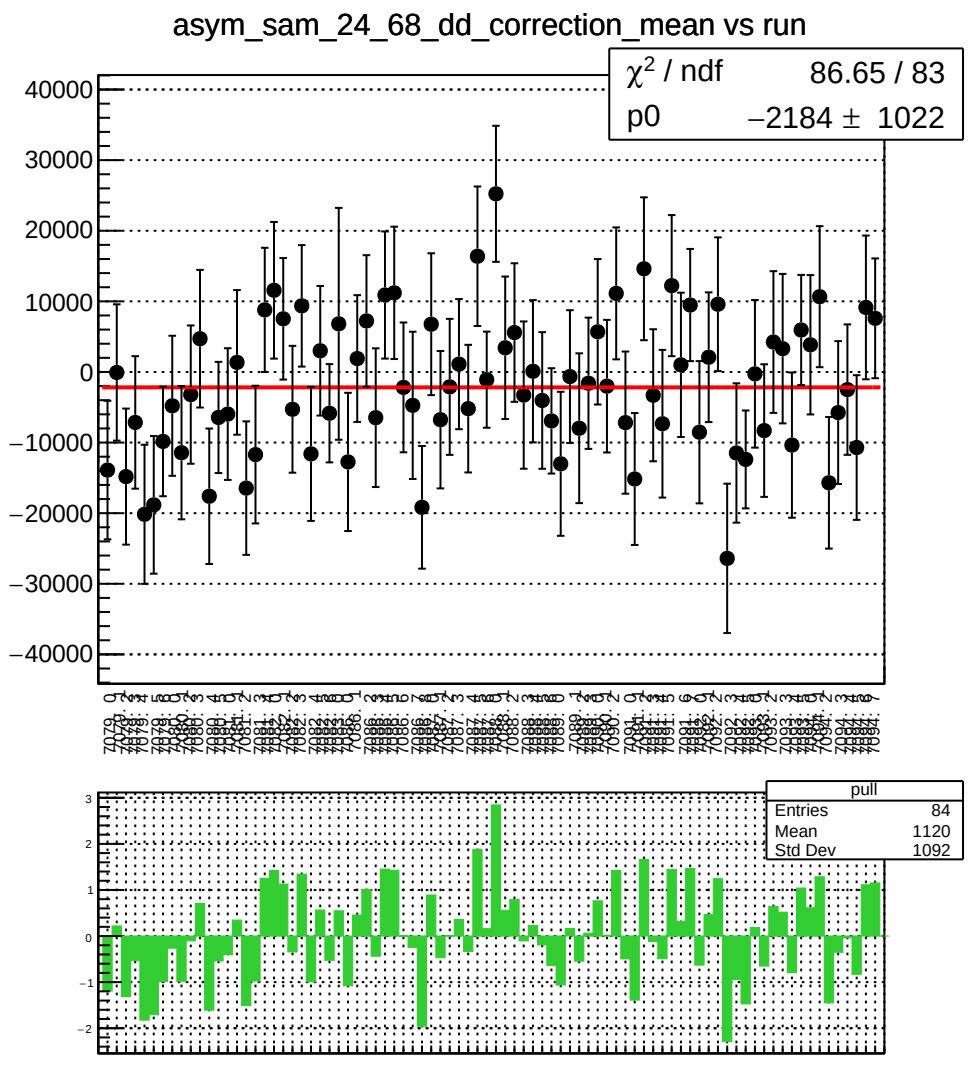

asym_sam_15_37_dd_mean vs run
χ² / ndf 76.07 / 83
p0 −934.3 ± 391.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −468.8
Std Dev 498.9
3
2
1
0
−1
−2

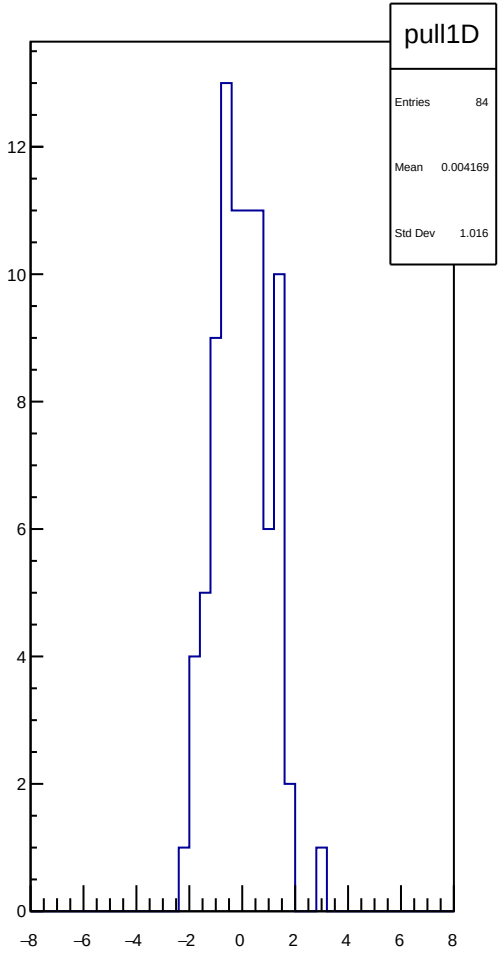

pull1D
Entries 84
Mean −0.01009
Std Dev 0.9516
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

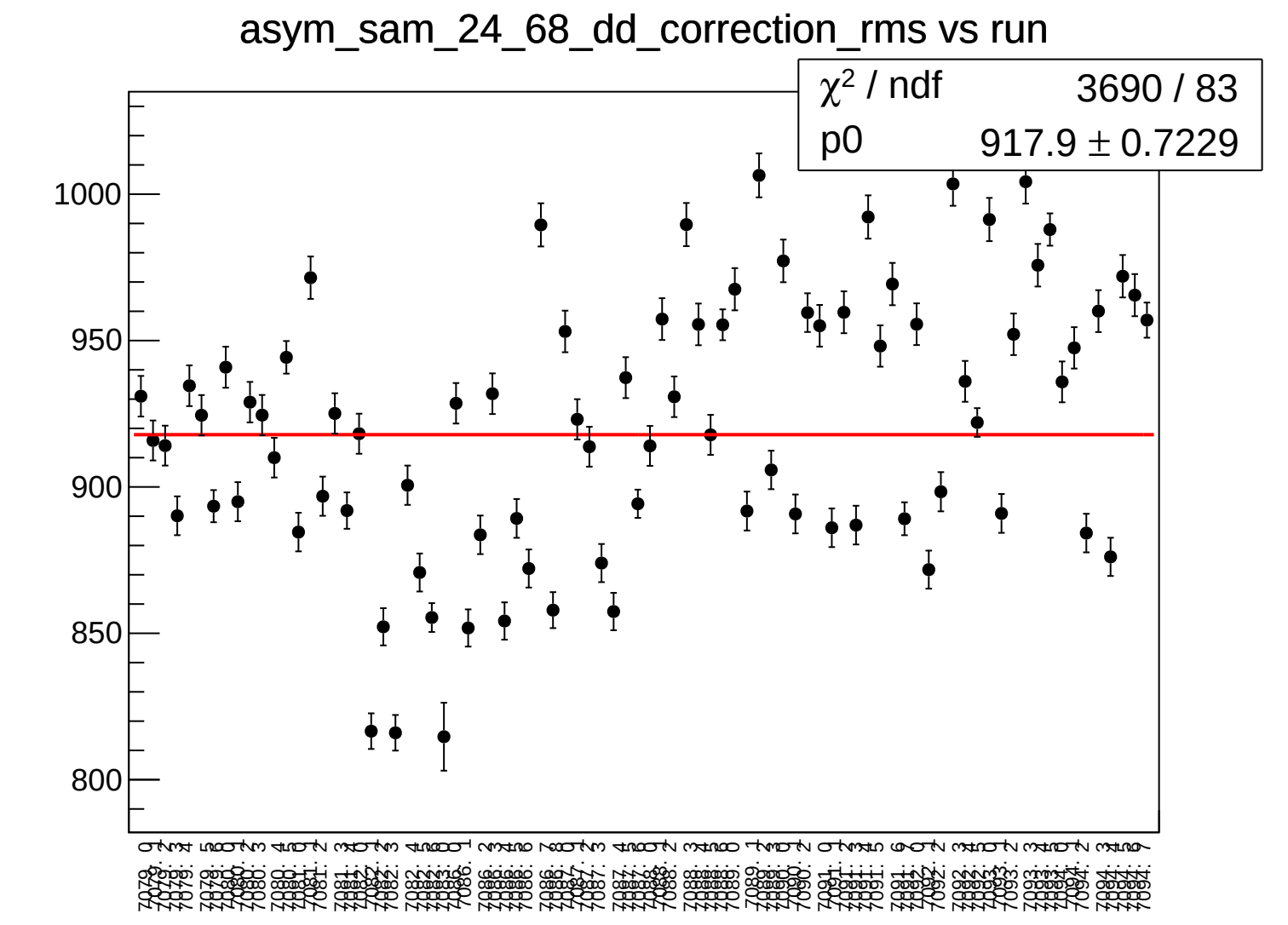

asym_sam_15_37_dd_rms vs run
χ² / ndf 4471 / 83
p0 351.1 ± 0.2766
400
390
380
370
360
350
340
330
320
310

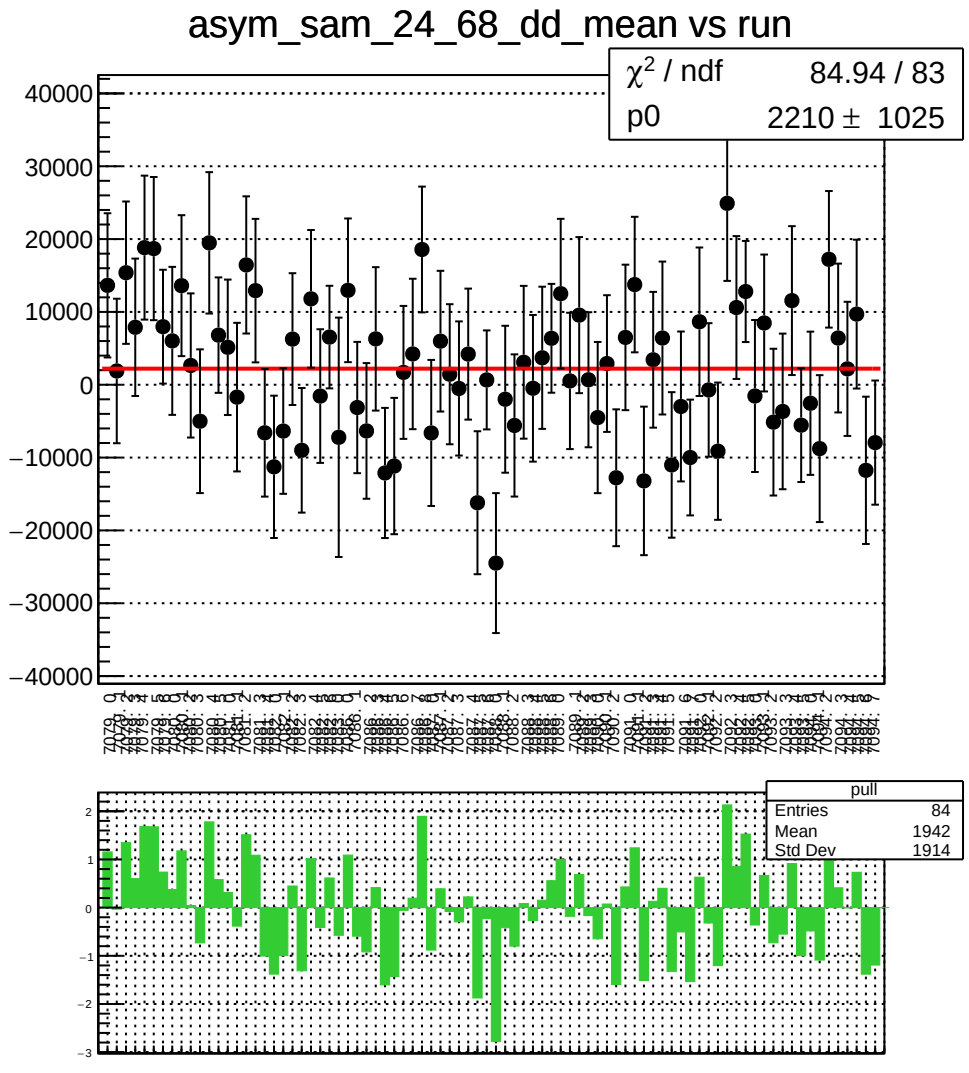

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 103.3 / 83
p0 −2.688 ± 97.82
pull
Entries 84
Mean −76.79
Std Dev 112.5
pull1D
Entries 84
Mean 0.02901
Std Dev 1.108

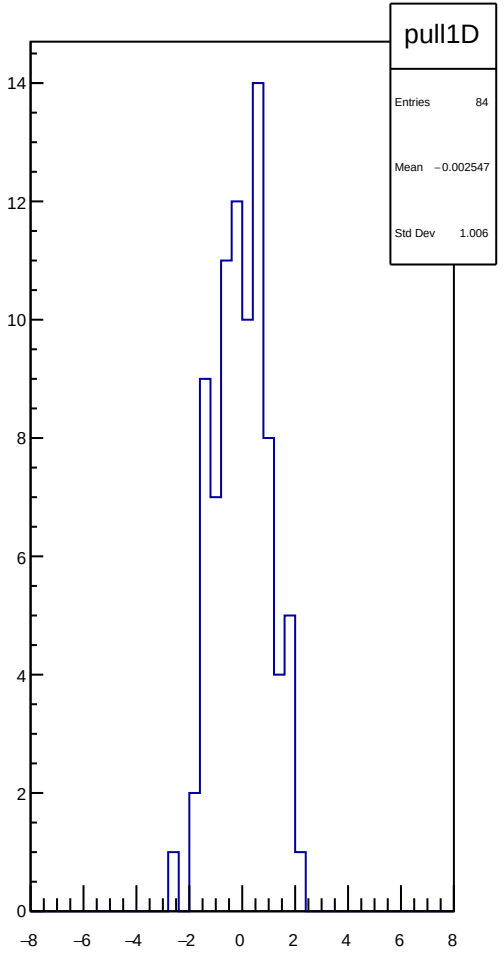

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 1.408e+04 / 83
p0 87.54 ± 0.06917
130
120
110
100
90
80

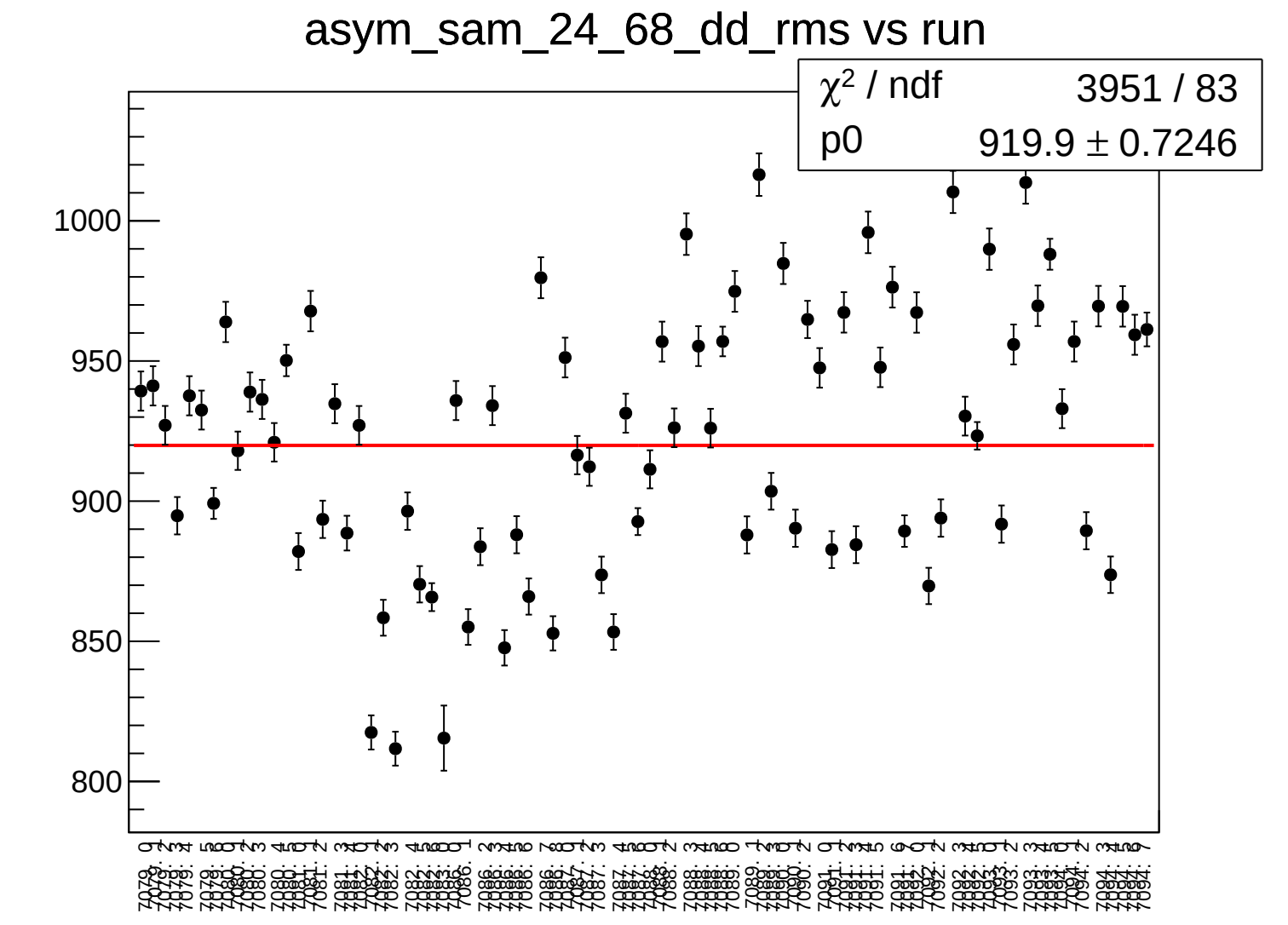

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 86.65 / 83
p0 −2184 ± 1022
pull
Entries 84
Mean 1120
Std Dev 1092

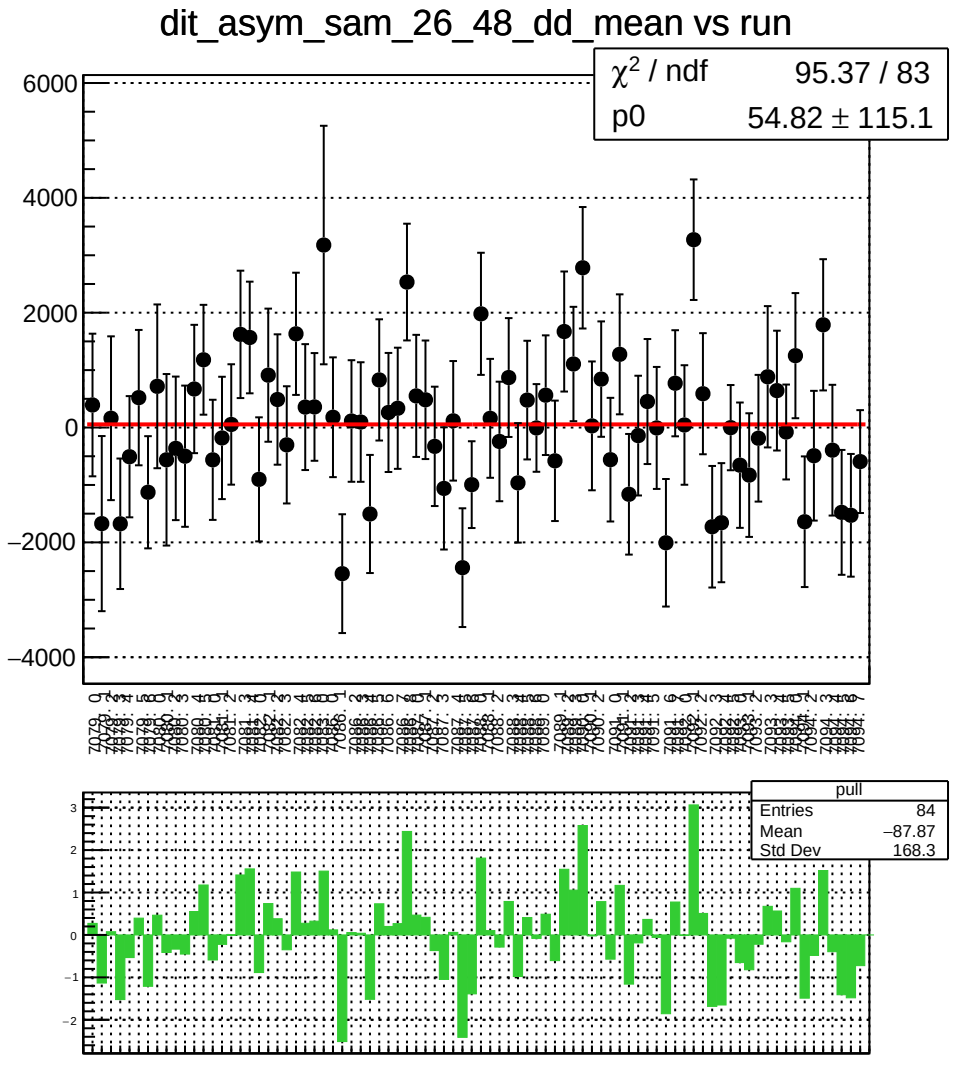

pull1D
Entries 84
Mean 0.004169
Std Dev 1.016

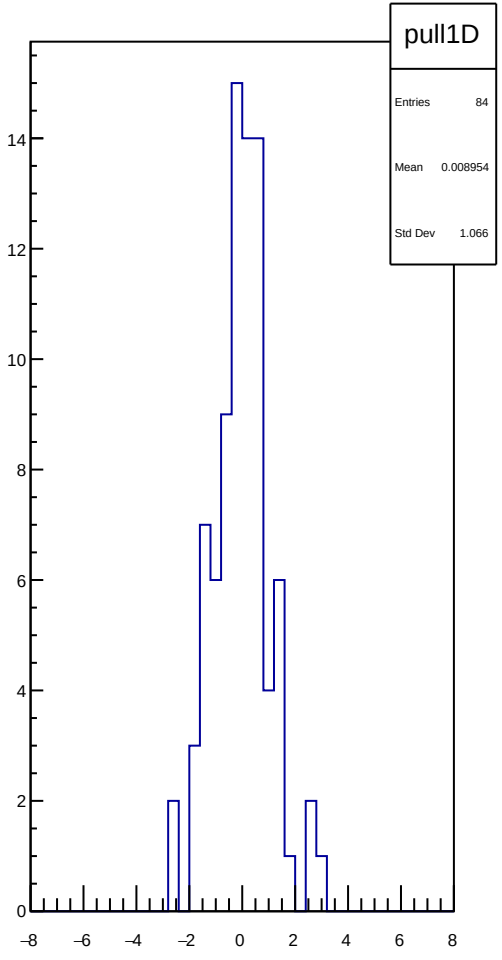

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3690 / 83
p0 917.9 ± 0.7229
1000
950
900
850
800

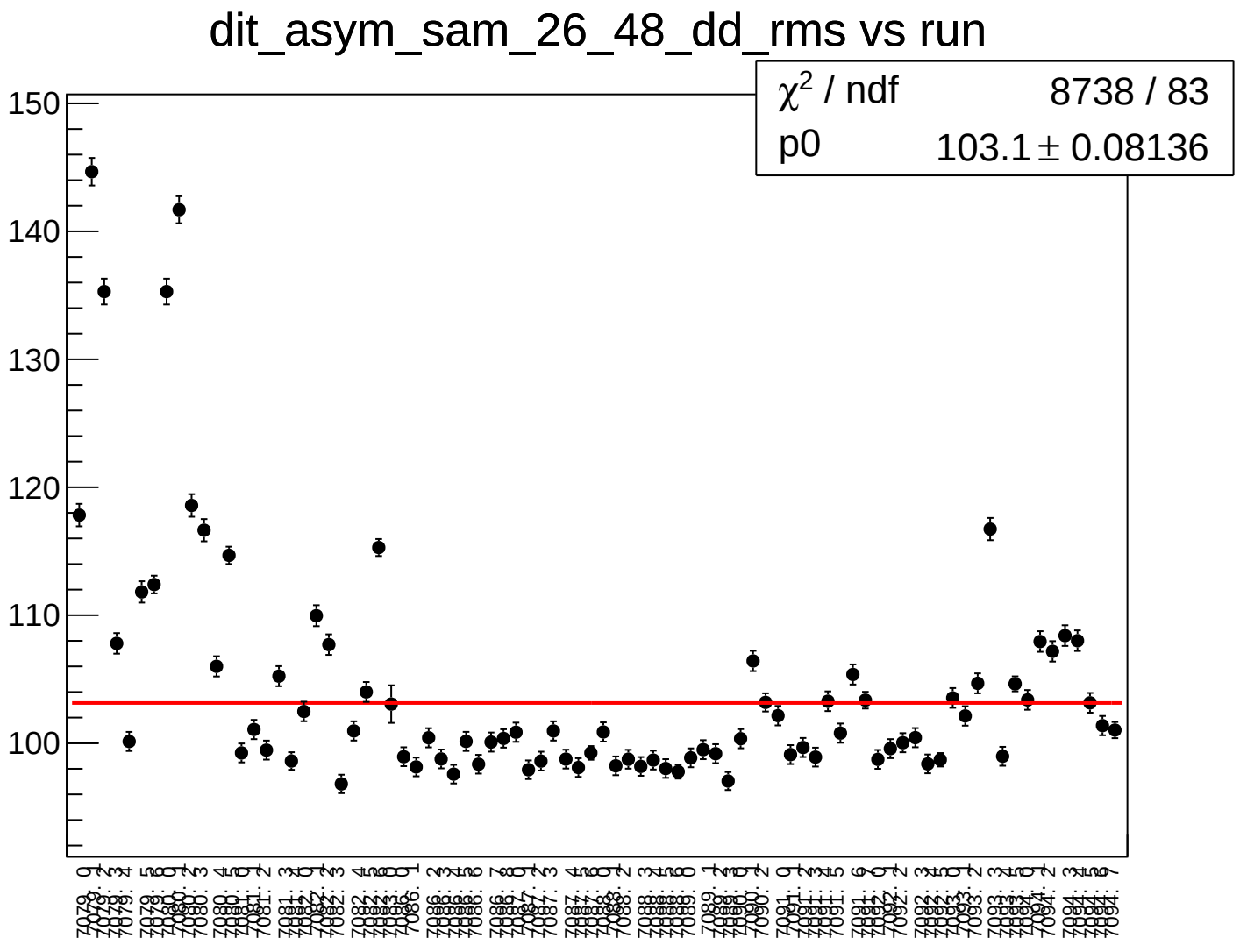

asym_sam_24_68_dd_mean vs run
χ² / ndf 84.94 / 83
p0 2210 ± 1025
pull
Entries 84
Mean 1942
Std Dev 1914

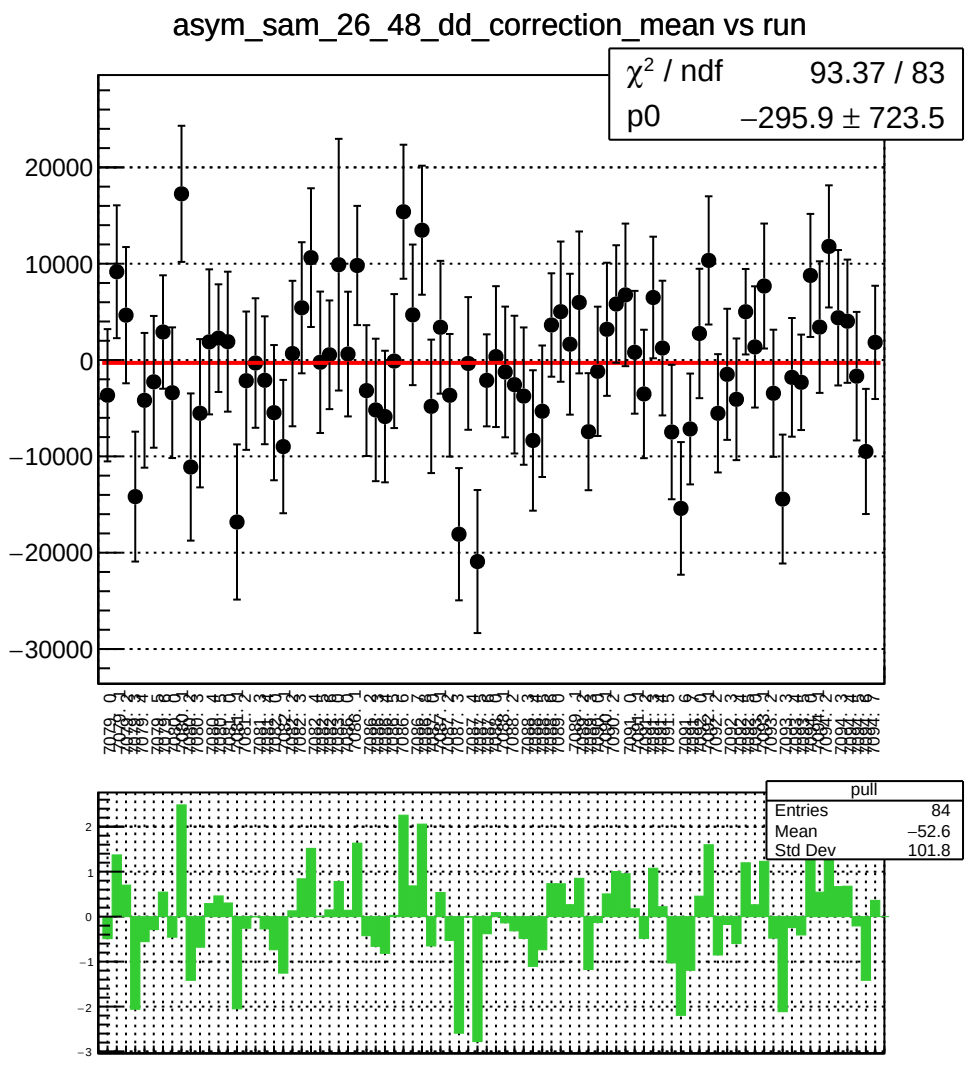

pull1D
Entries 84
Mean −0.002547
Std Dev 1.006

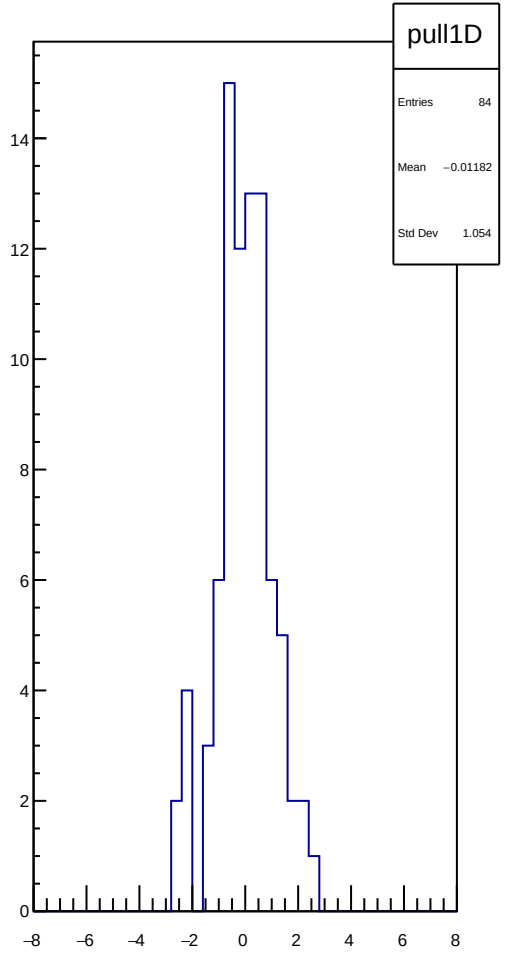

asym_sam_24_68_dd_rms vs run
χ² / ndf 3951 / 83
p0 919.9 ± 0.7246
1000
950
900
850
800

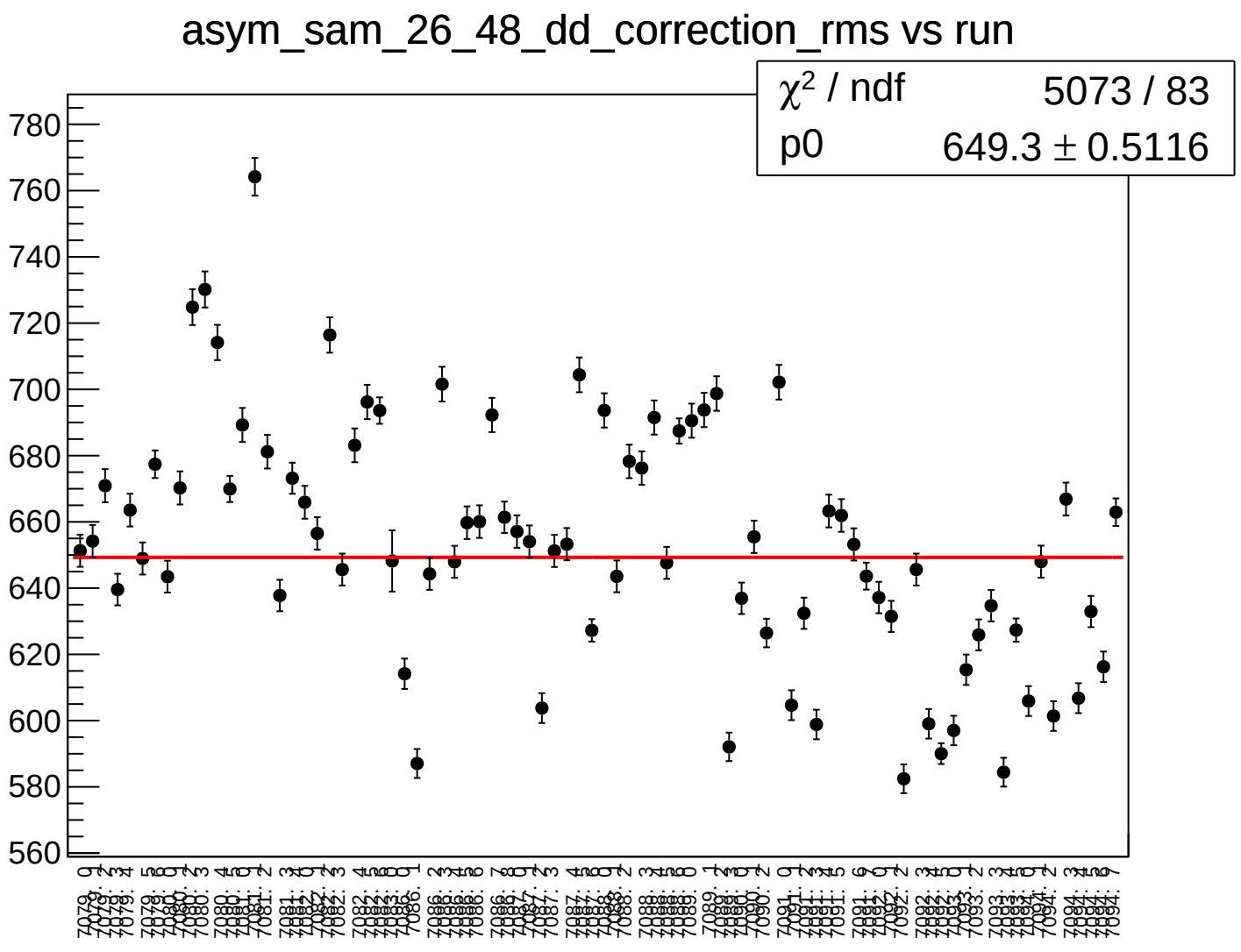

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 95.37 / 83
p0 54.82 ± 115.1
pull
Entries 84
Mean −87.87
Std Dev 168.3

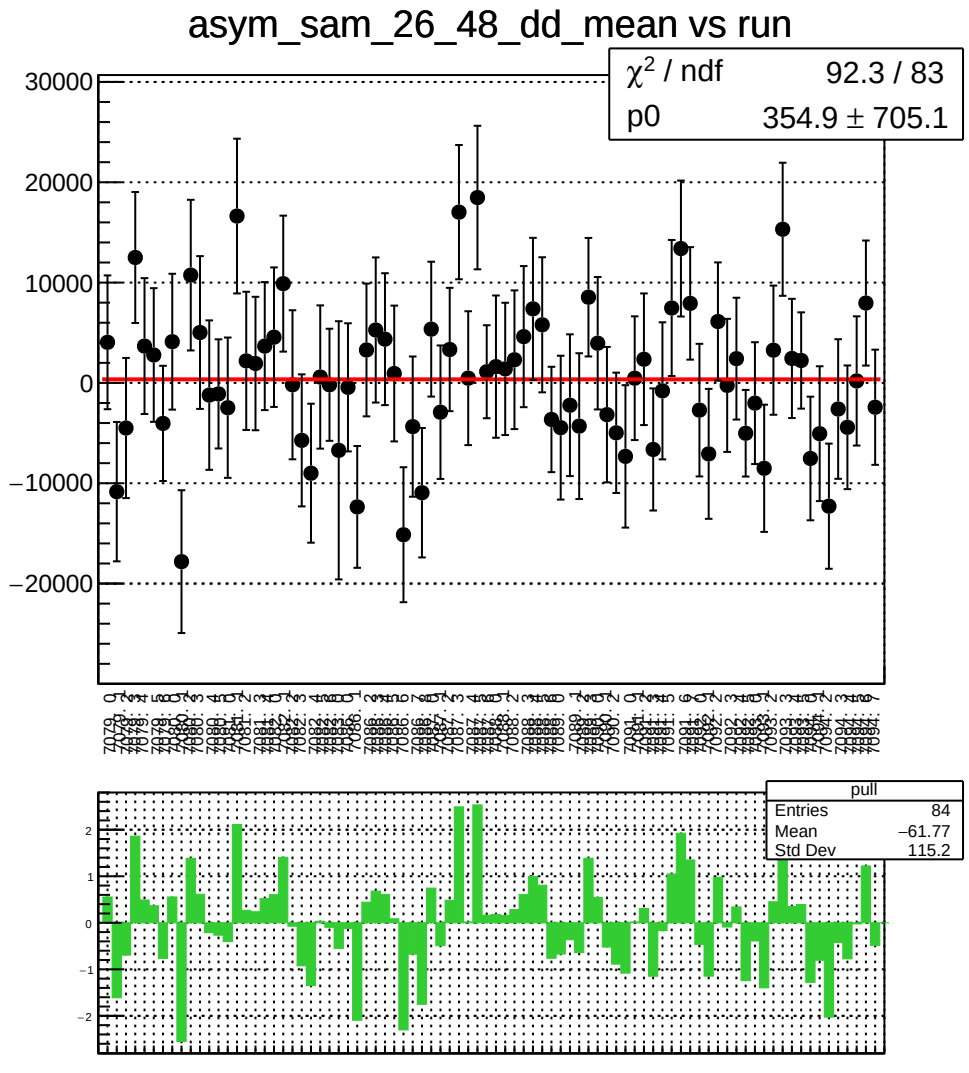

pull1D
Entries 84
Mean 0.008954
Std Dev 1.066

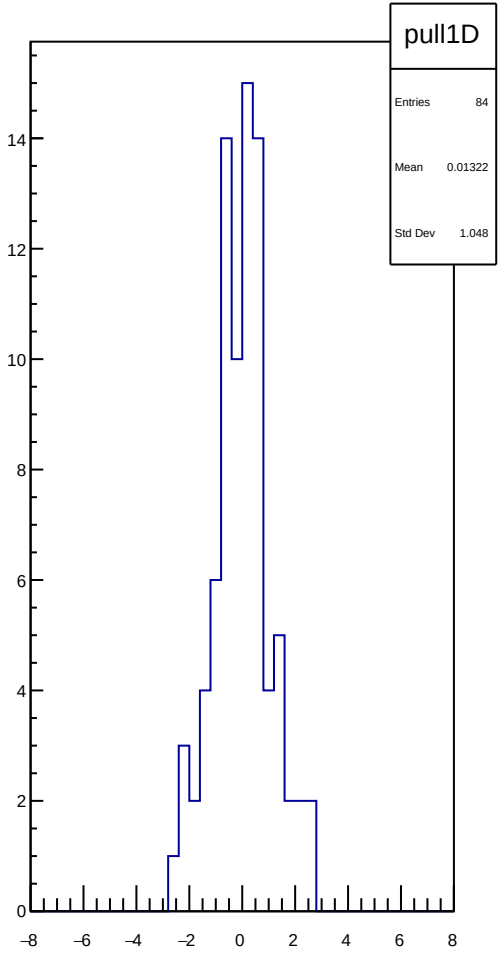

dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 8738 / 83
p0 103.1 ± 0.08136
150
140
130
120
110
100

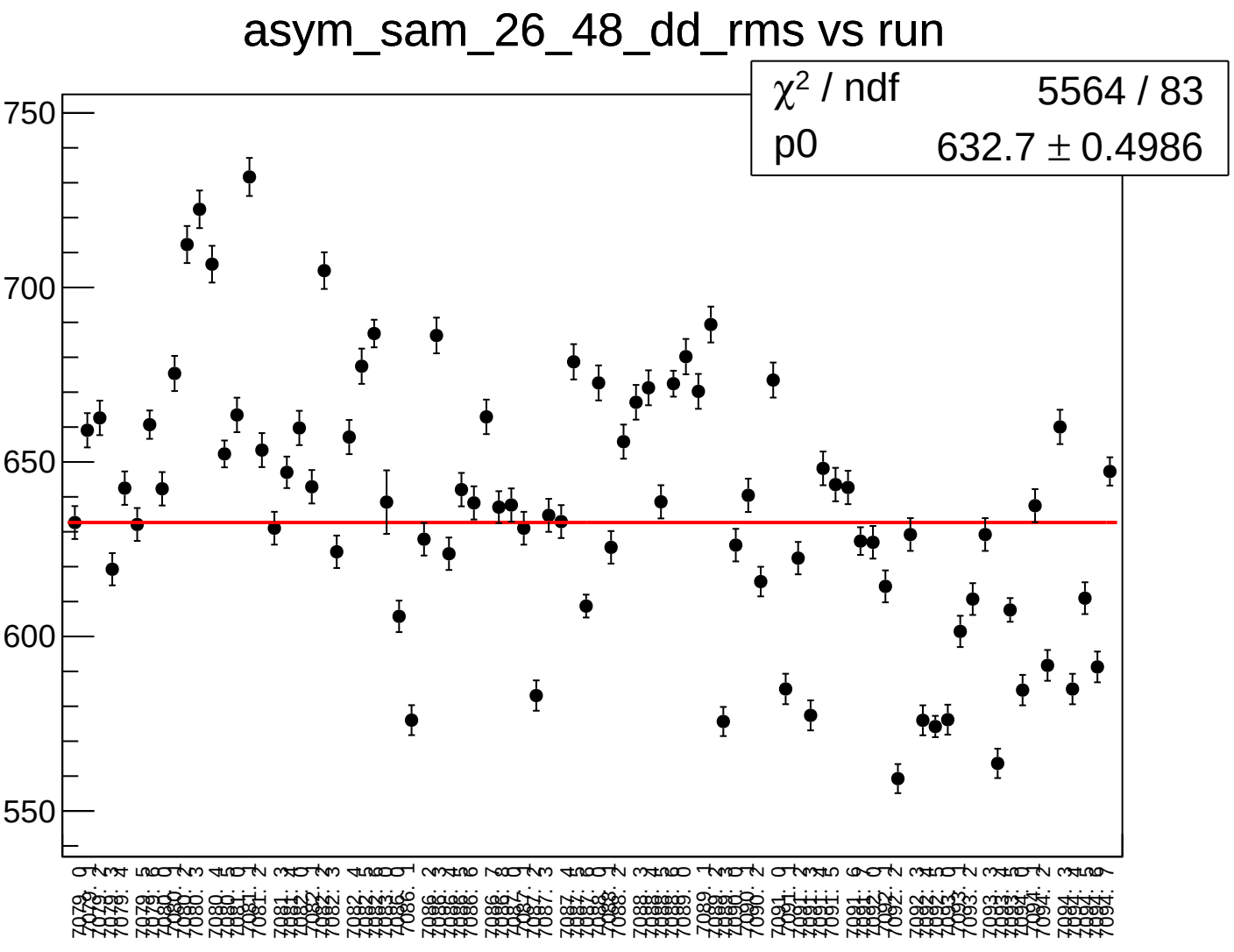

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 93.37 / 83
p0 −295.9 ± 723.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean −52.6
Std Dev 101.8
2
1
0
−1
−2
−3

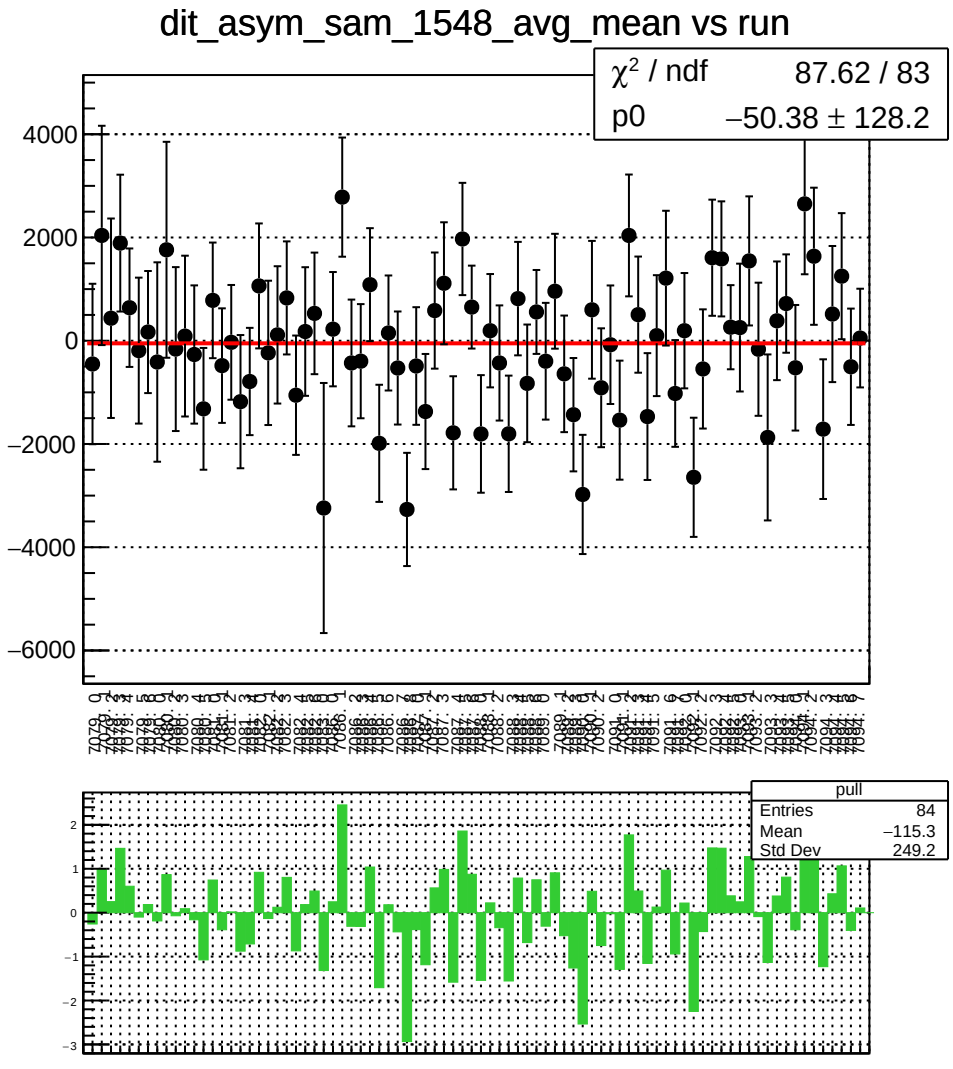

pull1D
Entries 84
Mean −0.01182
Std Dev 1.054
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

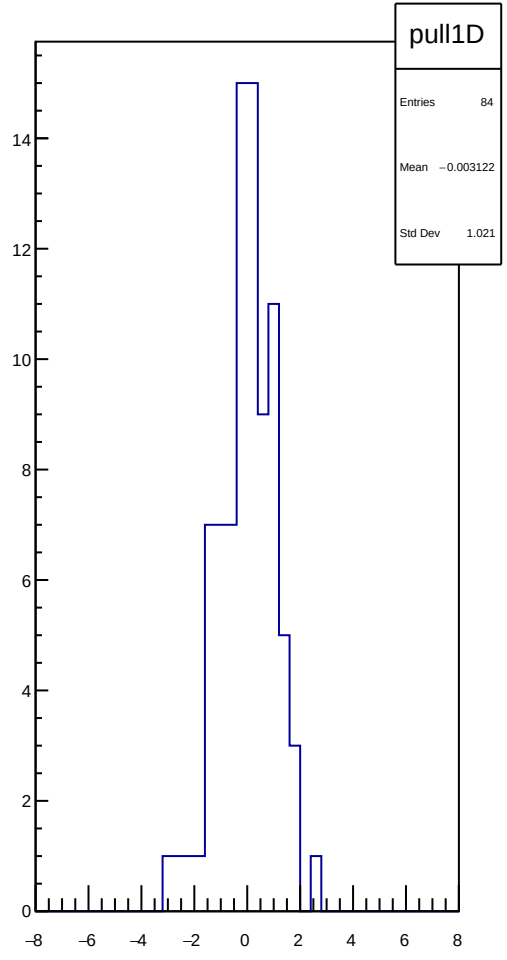

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 5073 / 83
p0 649.3 ± 0.5116
780
760
740
720
700
680
660
640
620
600
580
560

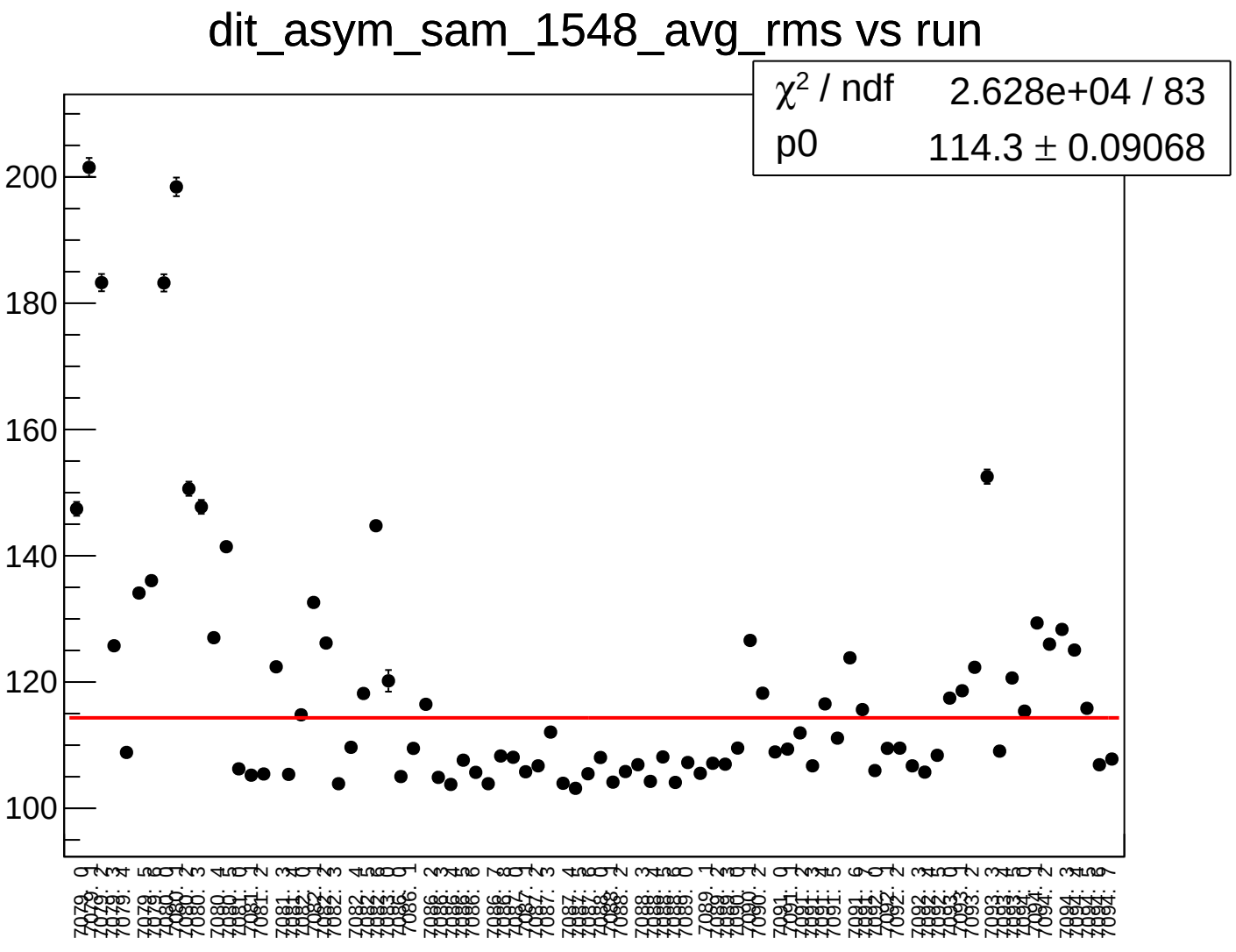

asym_sam_26_48_dd_mean vs run
χ² / ndf 92.3 / 83
p0 354.9 ± 705.1
30000
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −61.77
Std Dev 115.2
2
1
0
−1
−2

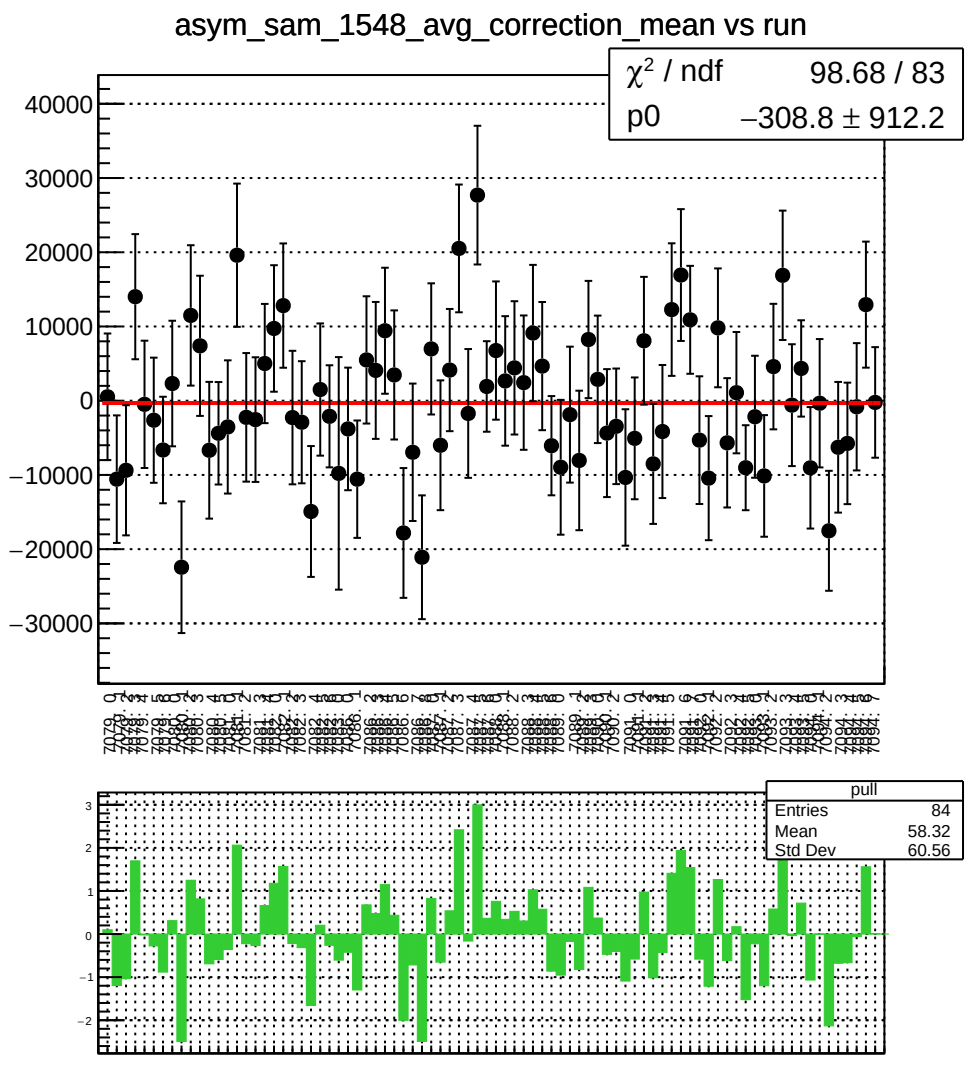

pull1D
Entries 84
Mean 0.01322
Std Dev 1.048
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

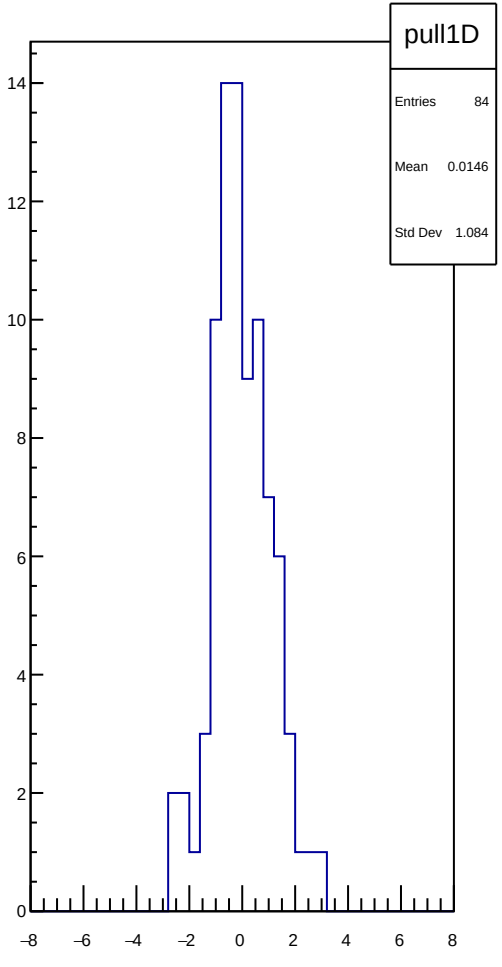

asym_sam_26_48_dd_rms vs run
χ² / ndf 5564 / 83
p0 632.7 ± 0.4986
750
700
650
600
550

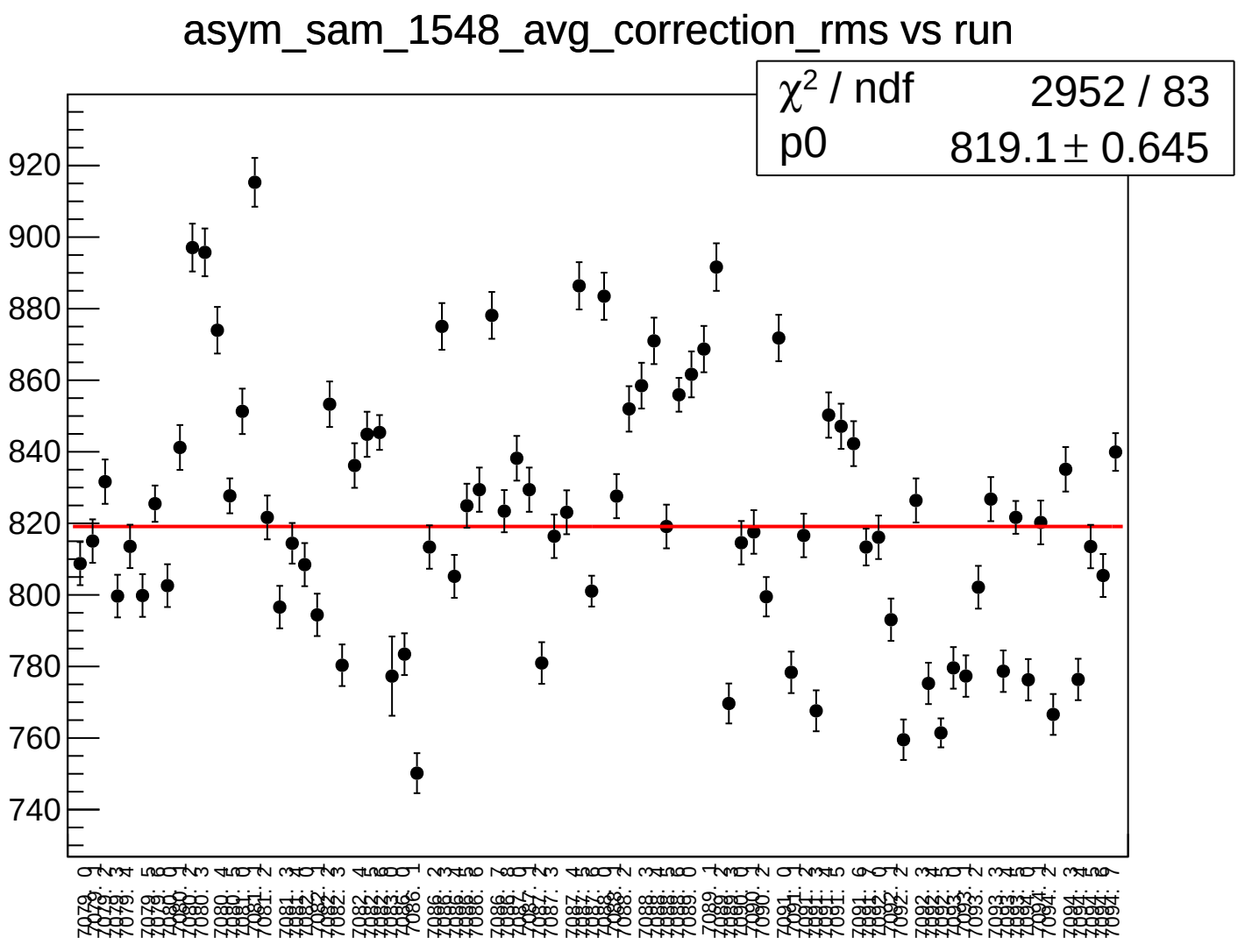

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 87.62 / 83
p0 −50.38 ± 128.2
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean −115.3
Std Dev 249.2
2
1
0
−1
−2
−3

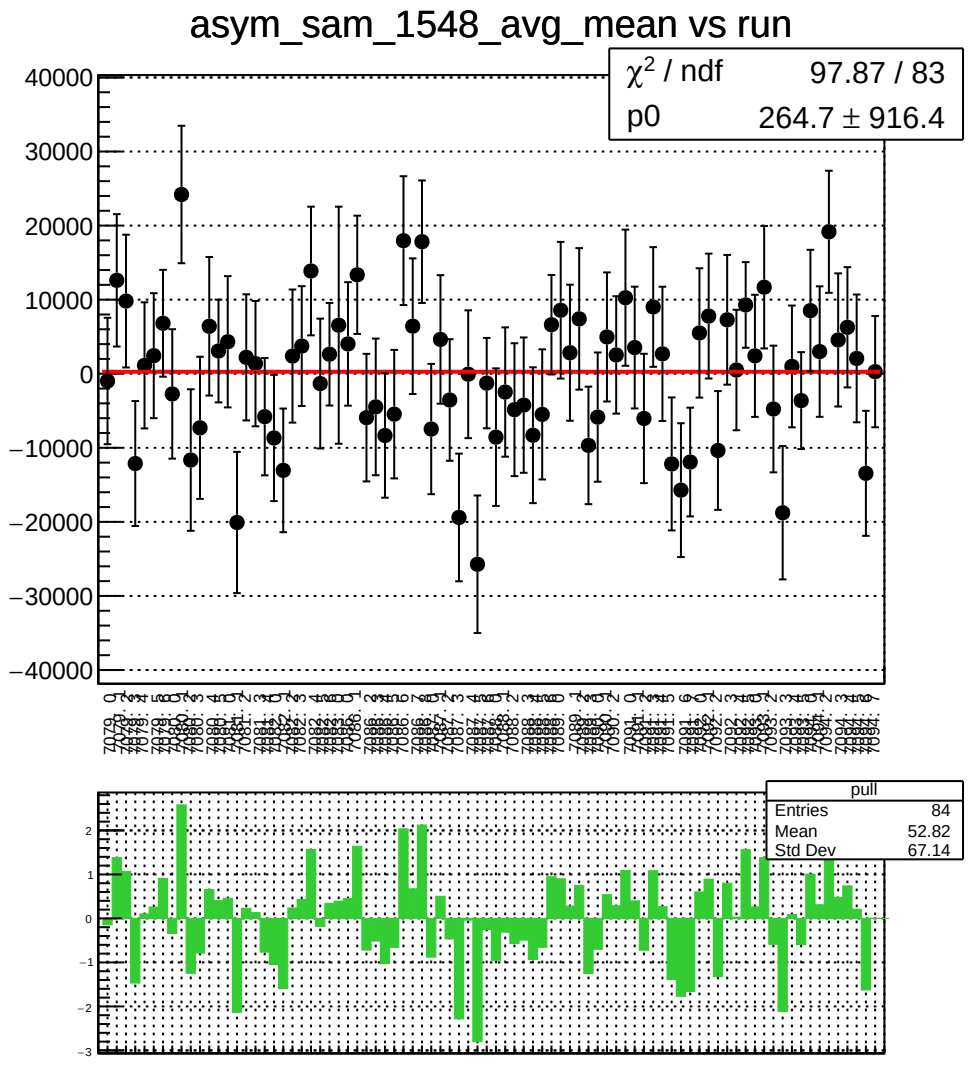

pull1D
Entries 84
Mean −0.003122
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

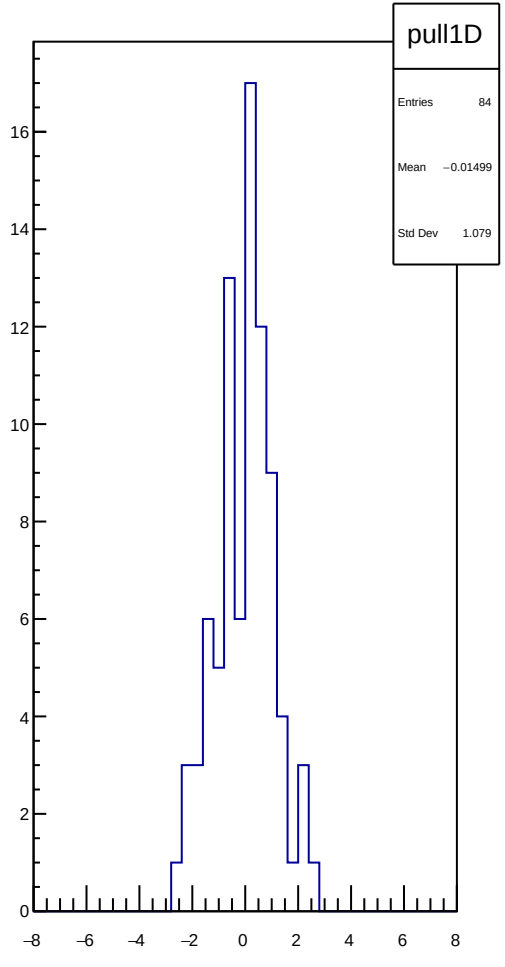

dit_asym_sam_1548_avg_rms vs run
χ^2 / ndf 2.628e+04 / 83
p0 114.3 ± 0.09068
200
180
160
140
120
100

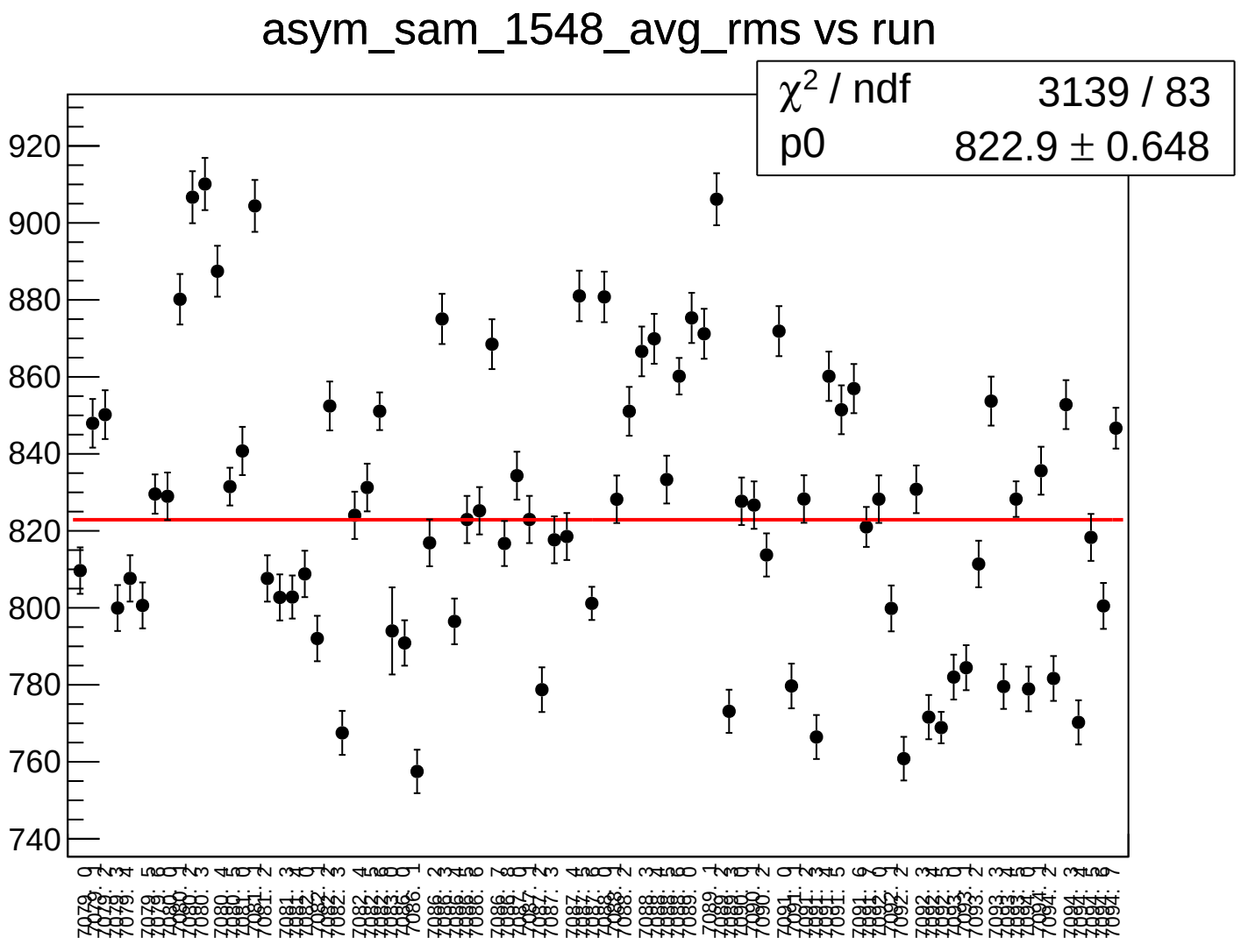

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 98.68 / 83
p0 −308.8 ± 912.2
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 58.32
Std Dev 60.56
3
2
1
0
−1
−2

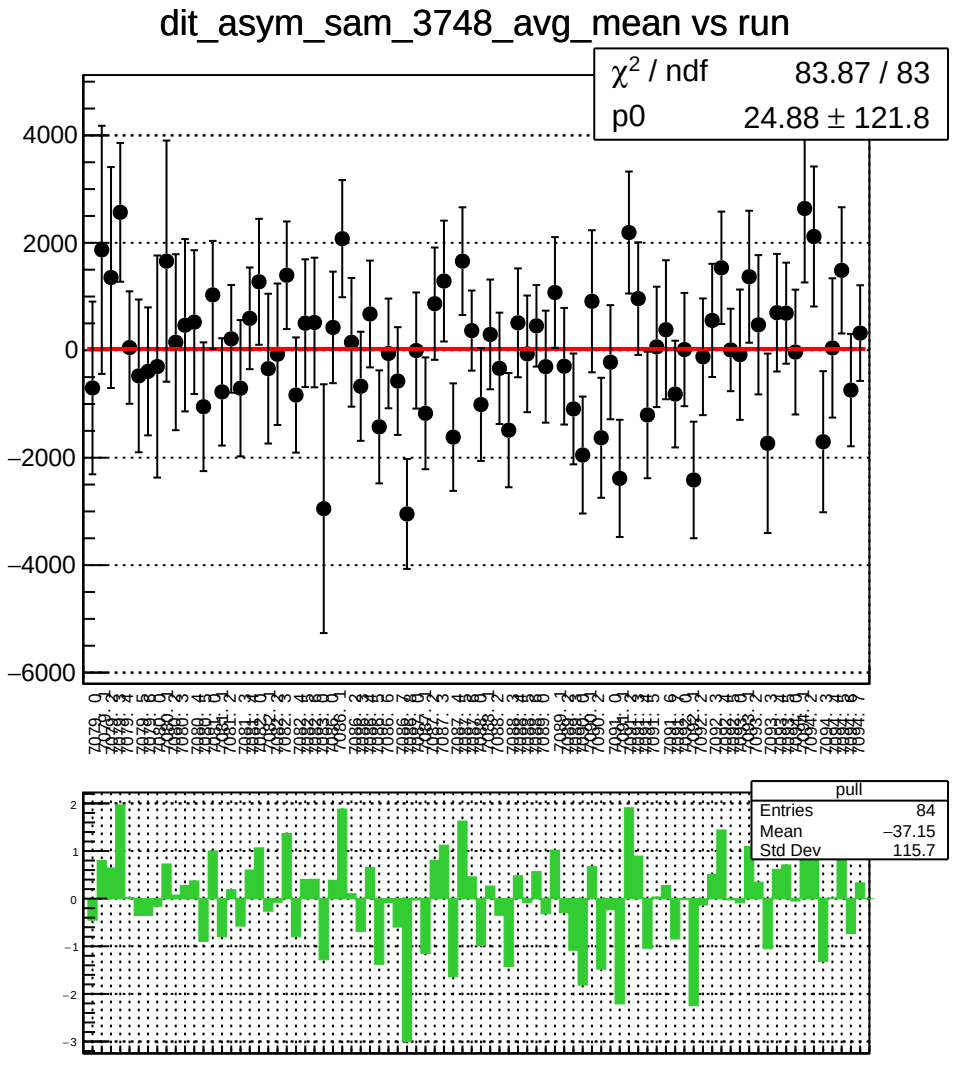

pull1D
Entries 84
Mean 0.0146
Std Dev 1.084
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

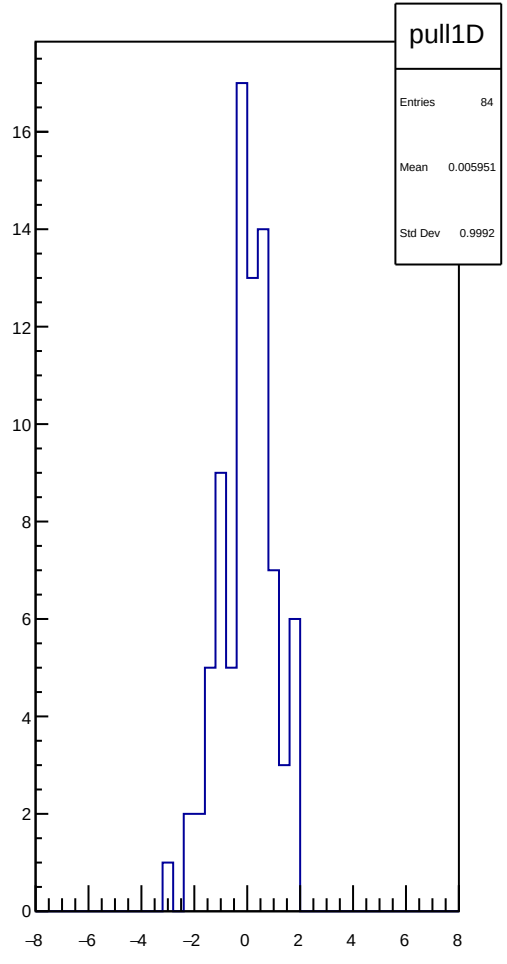

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 2952 / 83
p0 819.1 ± 0.645
920
900
880
860
840
820
800
780
760
740

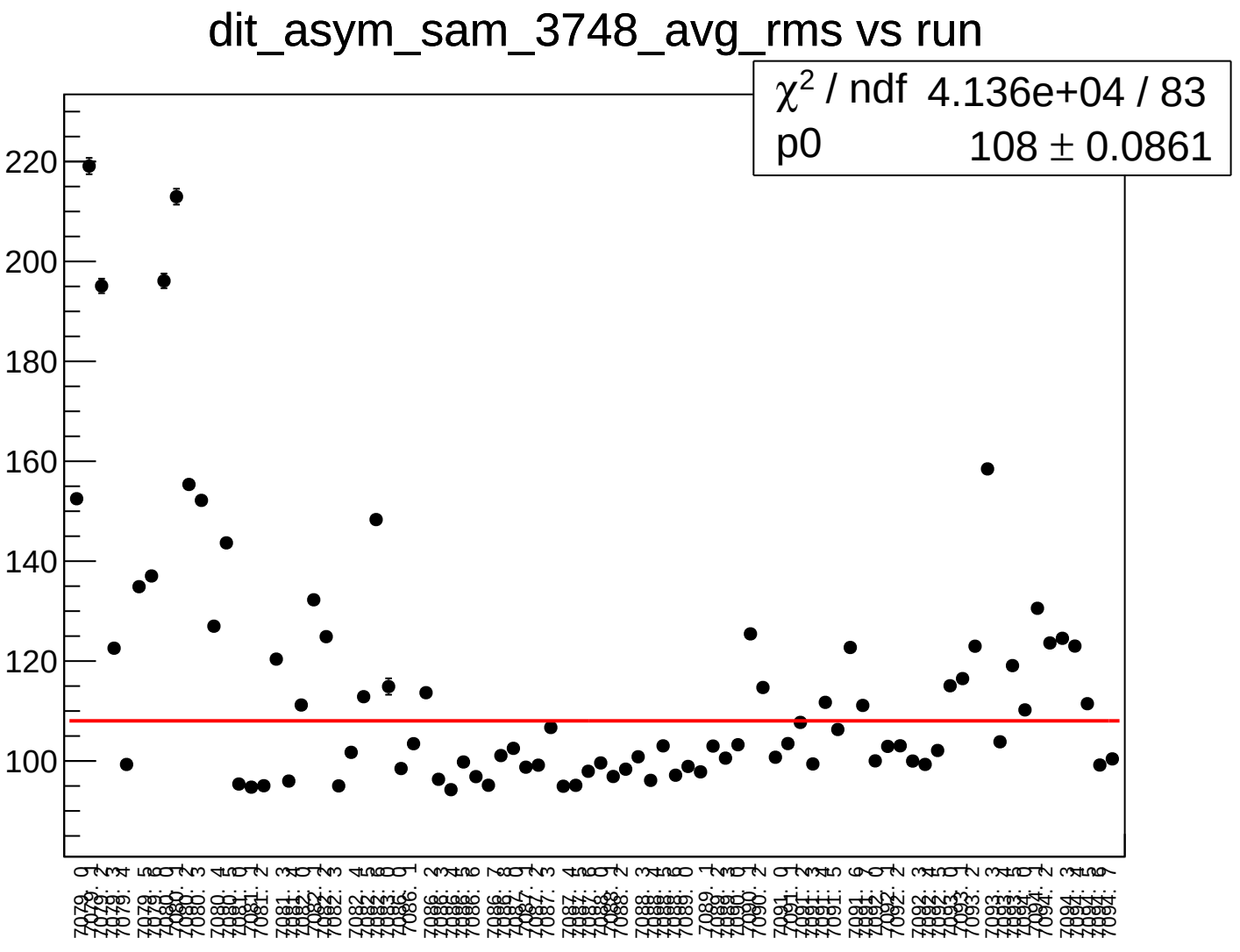

asym_sam_1548_avg_mean vs run
χ² / ndf 97.87 / 83
p0 264.7 ± 916.4
pull
Entries 84
Mean 52.82
Std Dev 67.14

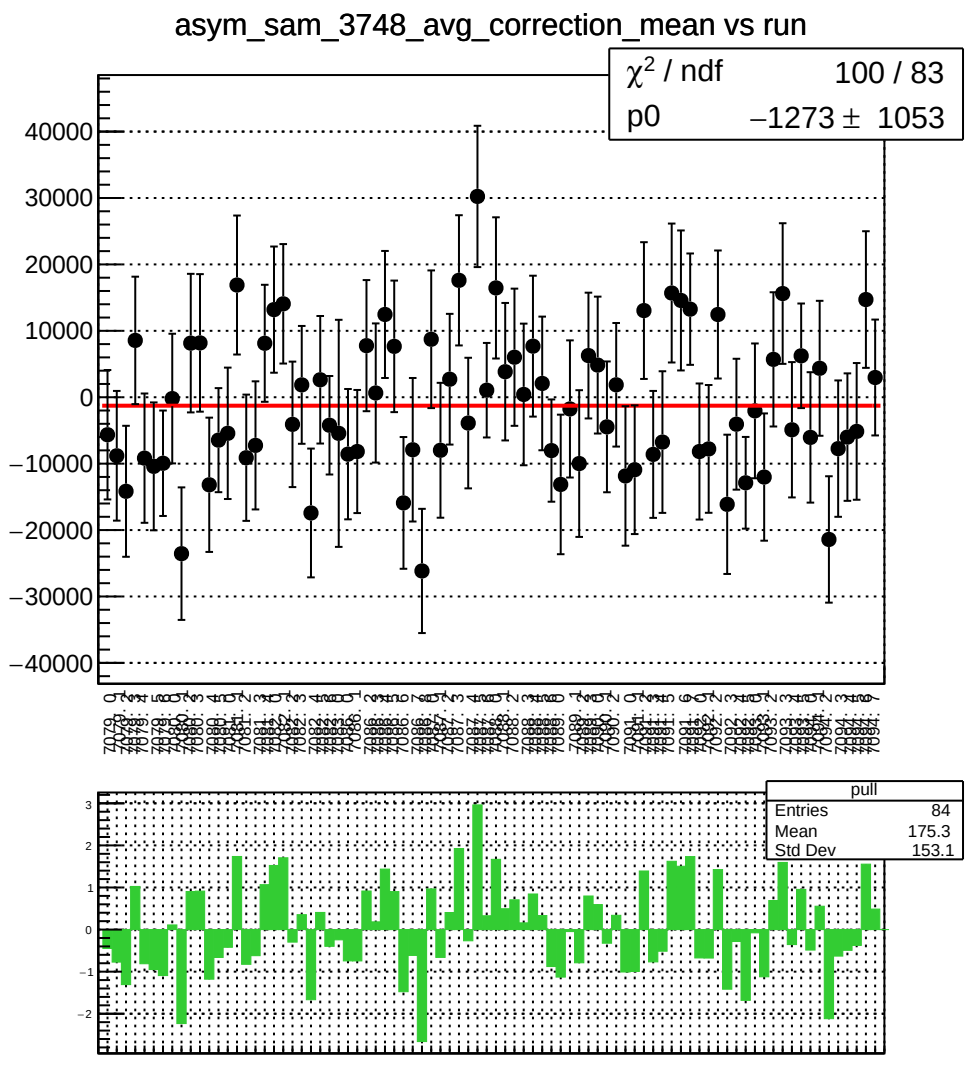

pull1D
Entries 84
Mean −0.01499
Std Dev 1.079

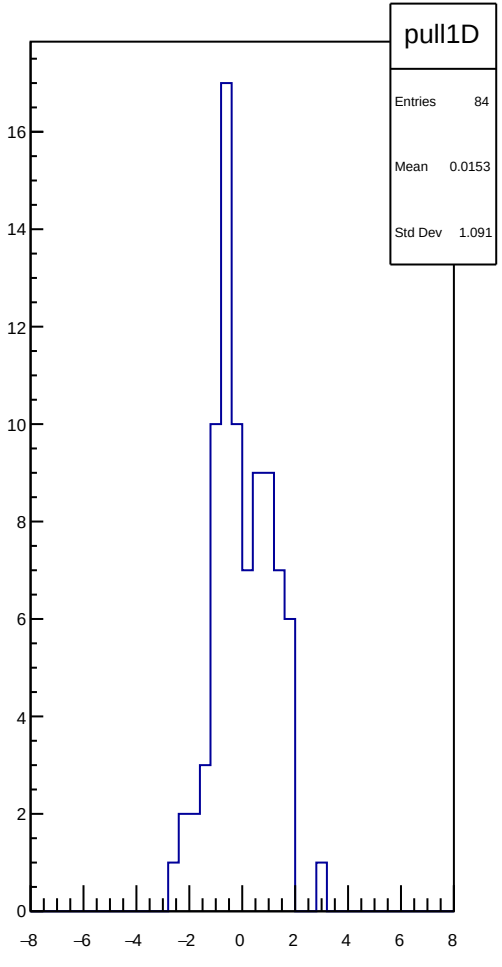

asym_sam_1548_avg_rms vs run
χ² / ndf 3139 / 83
p0 822.9 ± 0.648
920
900
880
860
840
820
800
780
760
740

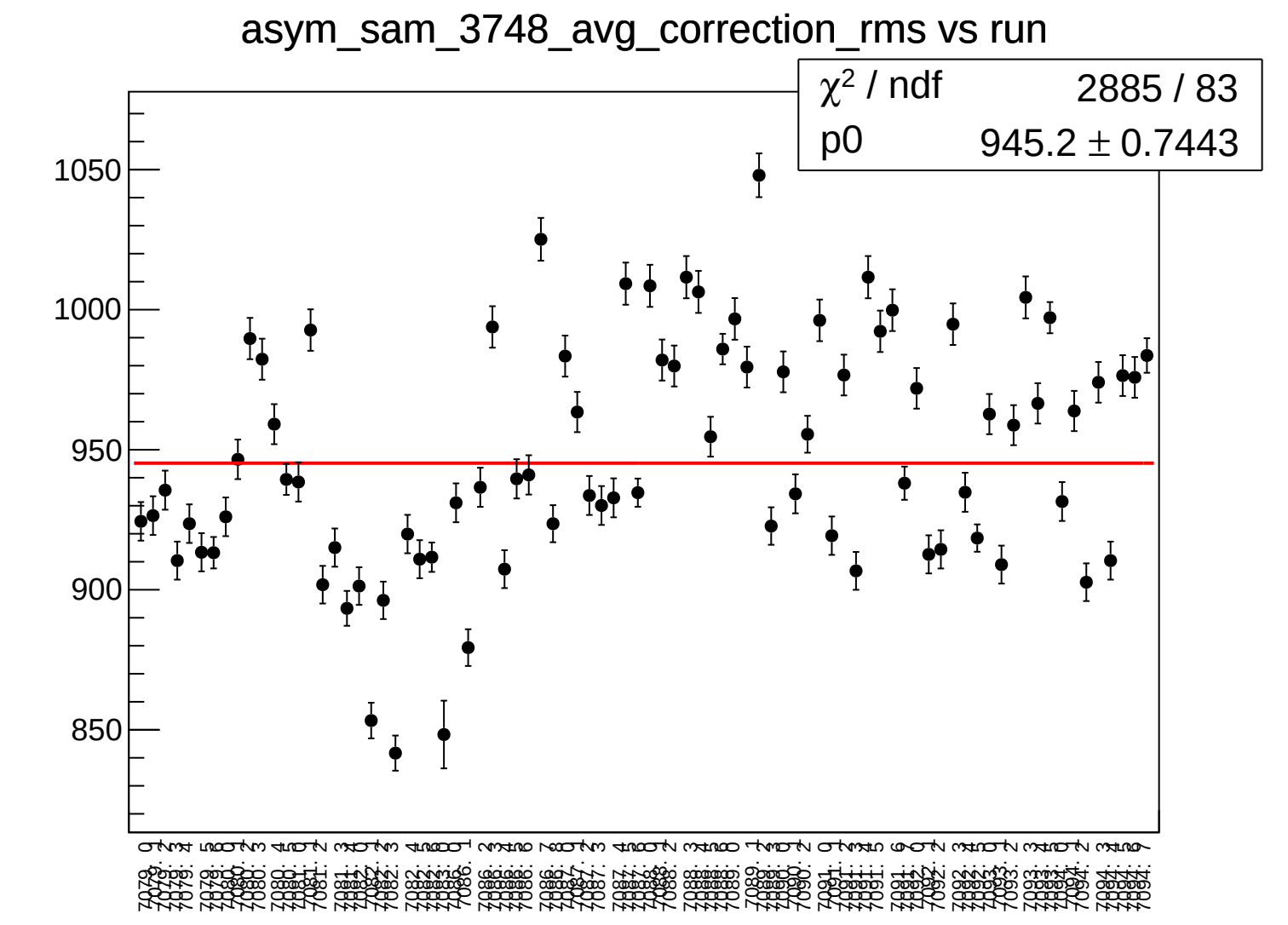

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 83.87 / 83
p0 24.88 ± 121.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 84
Mean −37.15
Std Dev 115.7
2
1
0
−1
−2
−3

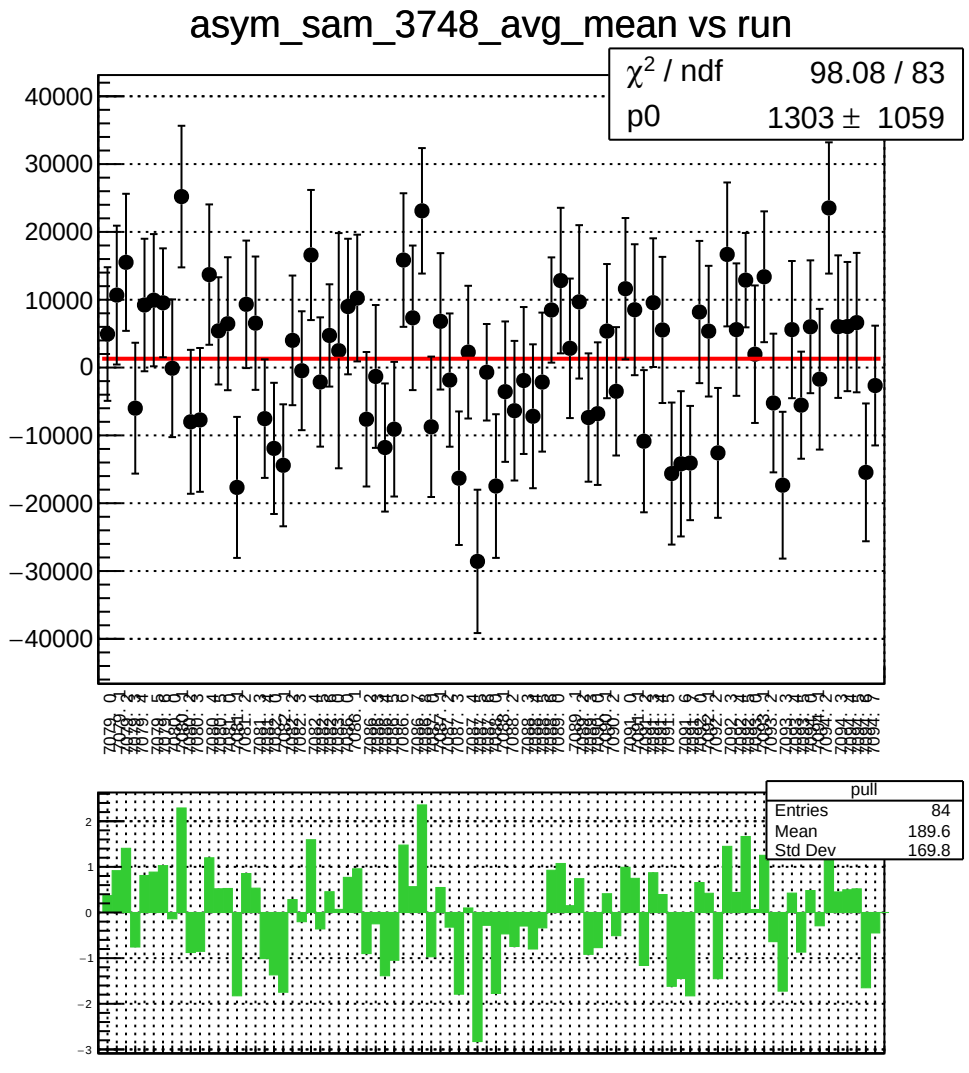

pull1D
Entries 84
Mean 0.005951
Std Dev 0.9992
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

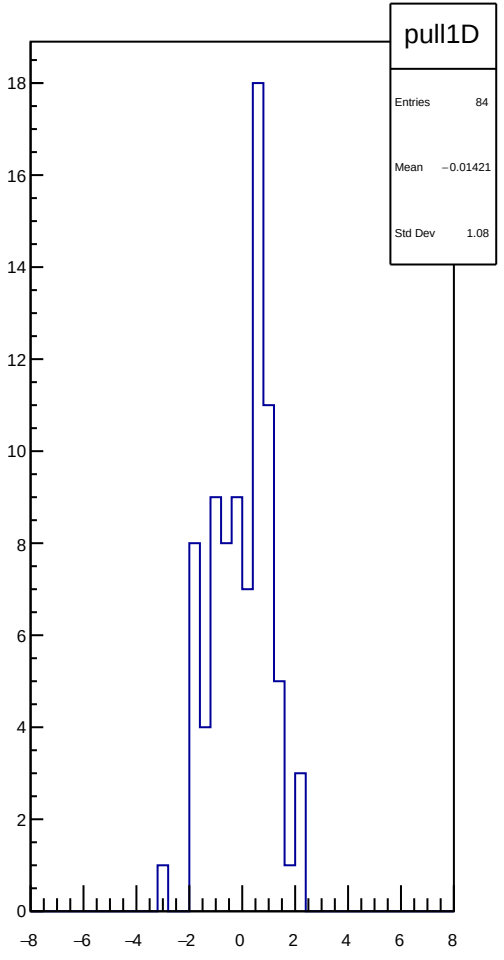

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 4.136e+04 / 83
p0 108 ± 0.0861
220
200
180
160
140
120
100

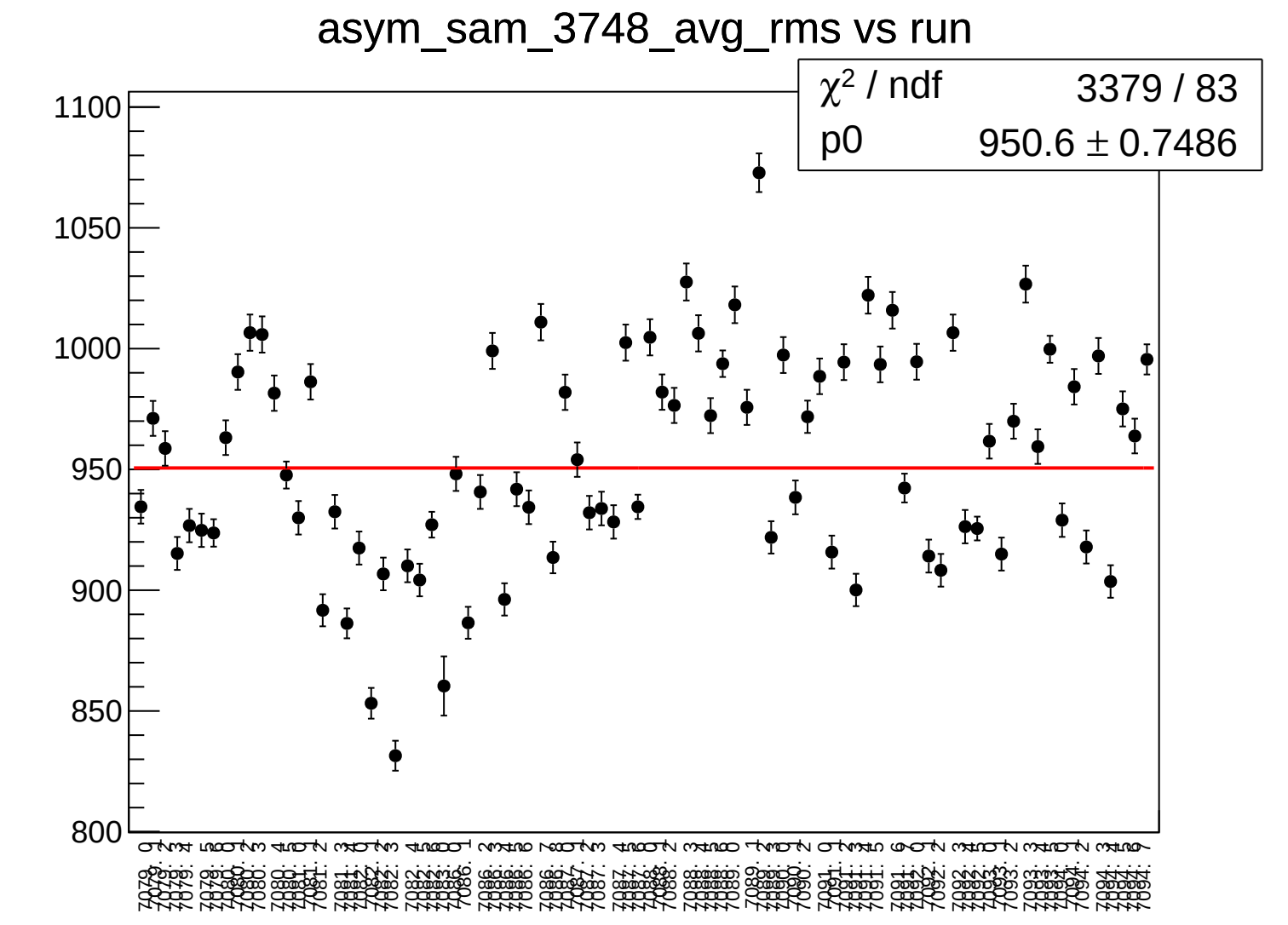

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 100 / 83
p0 −1273 ± 1053
pull
Entries 84
Mean 175.3
Std Dev 153.1

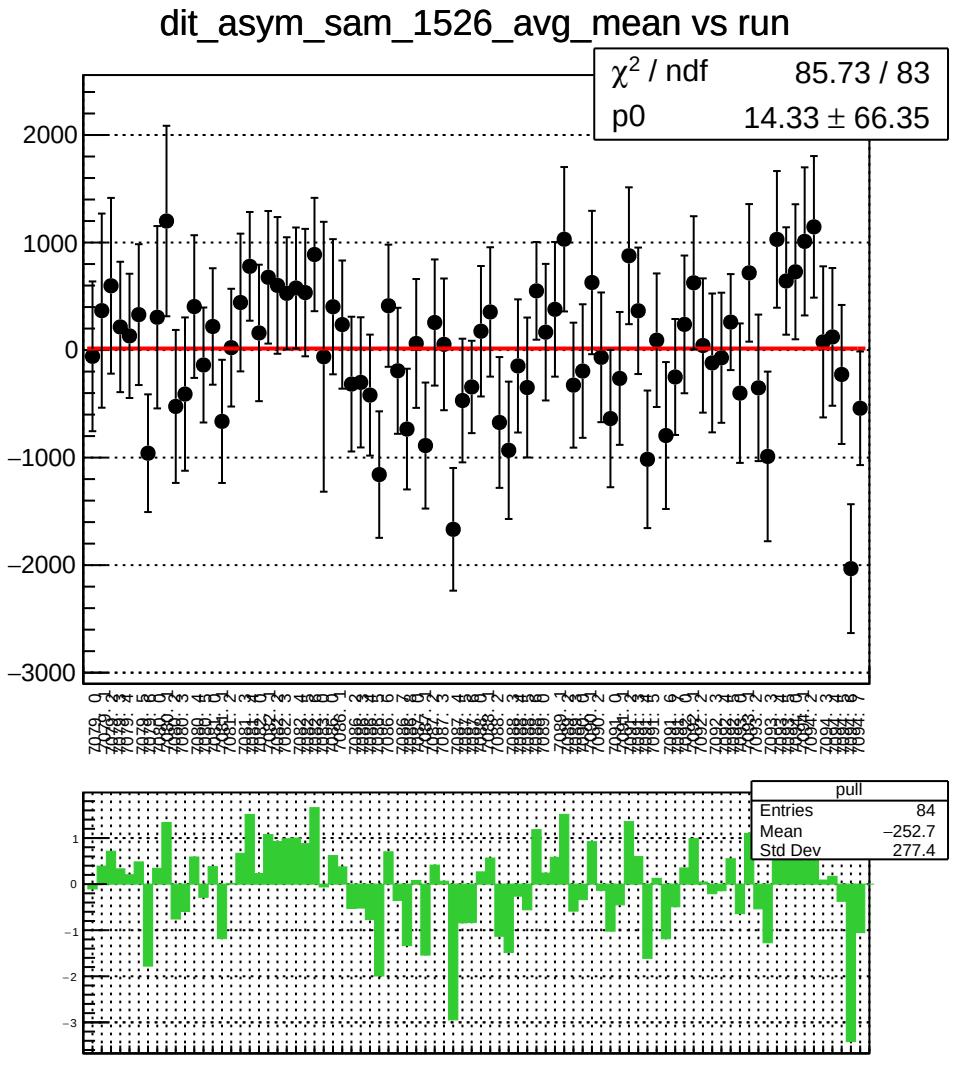

pull1D
Entries 84
Mean 0.0153
Std Dev 1.091

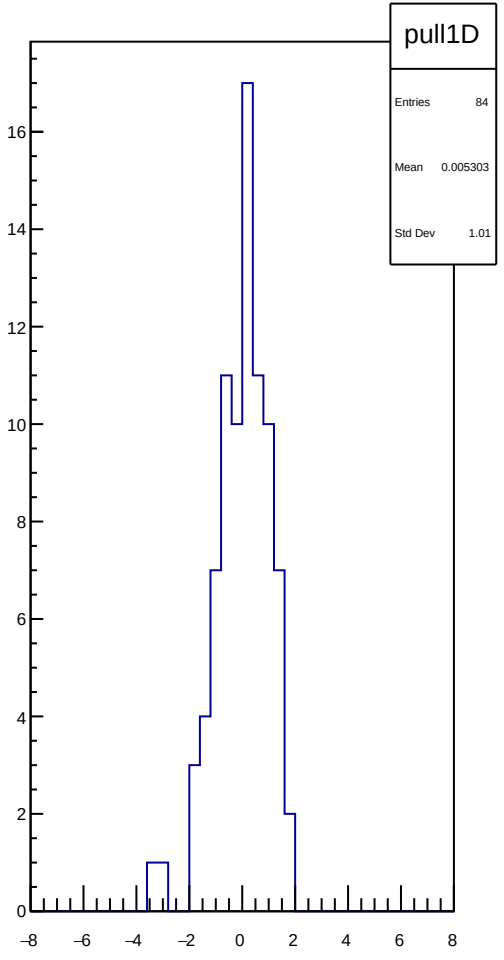

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 2885 / 83
p0 945.2 ± 0.7443
1050
1000
950
900
850

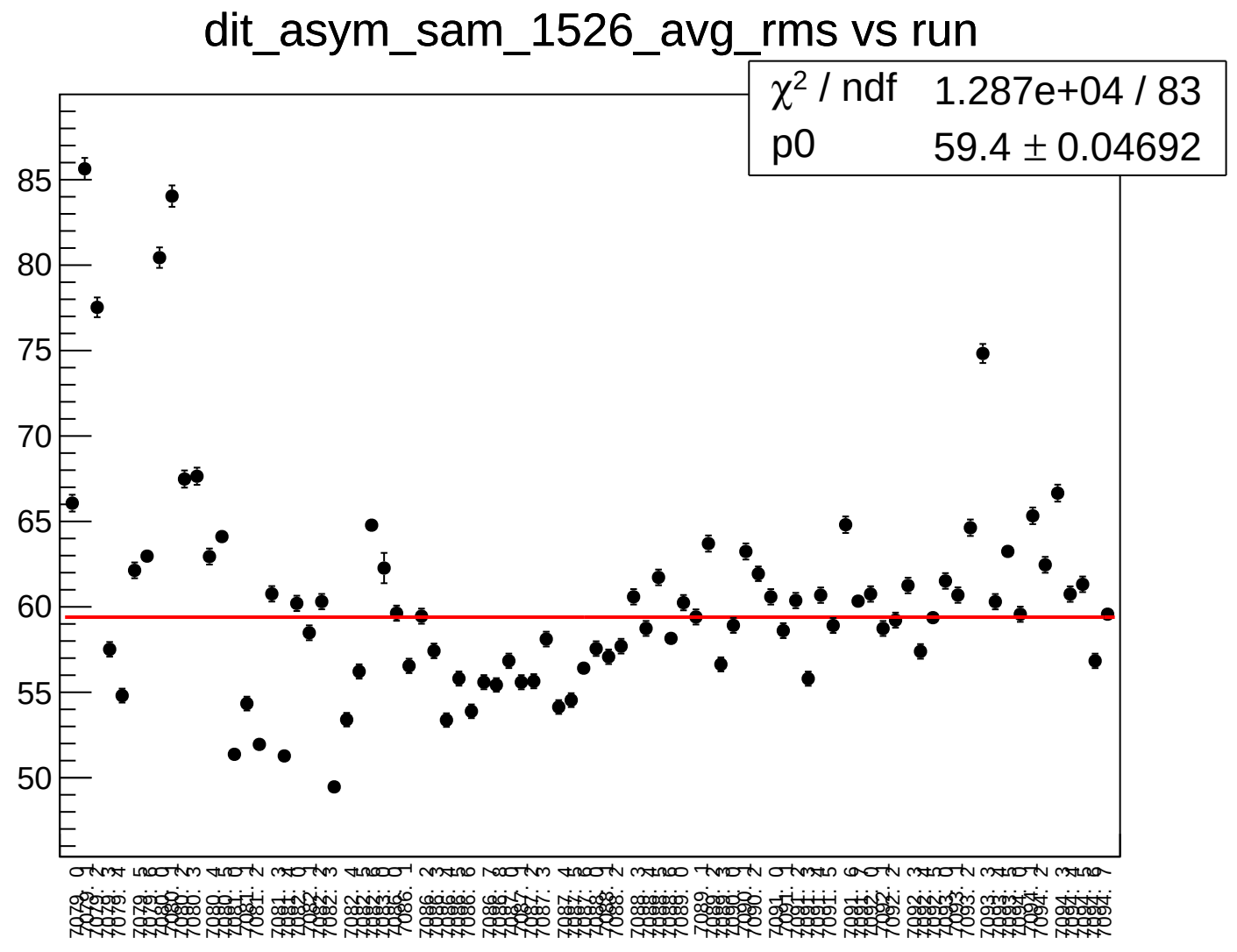

asym_sam_3748_avg_mean vs run
χ² / ndf 98.08 / 83
p0 1303 ± 1059
pull
Entries 84
Mean 189.6
Std Dev 169.8

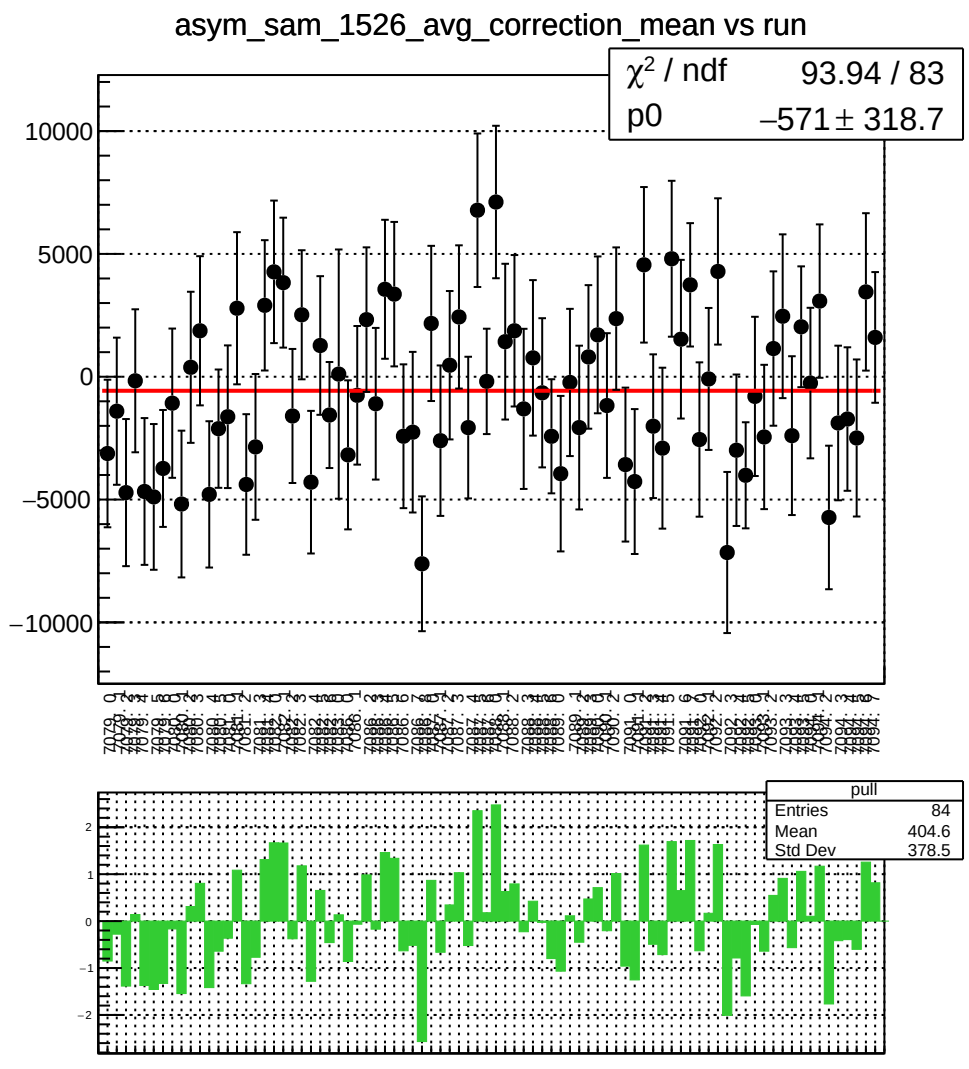

pull1D
Entries 84
Mean −0.01421
Std Dev 1.08

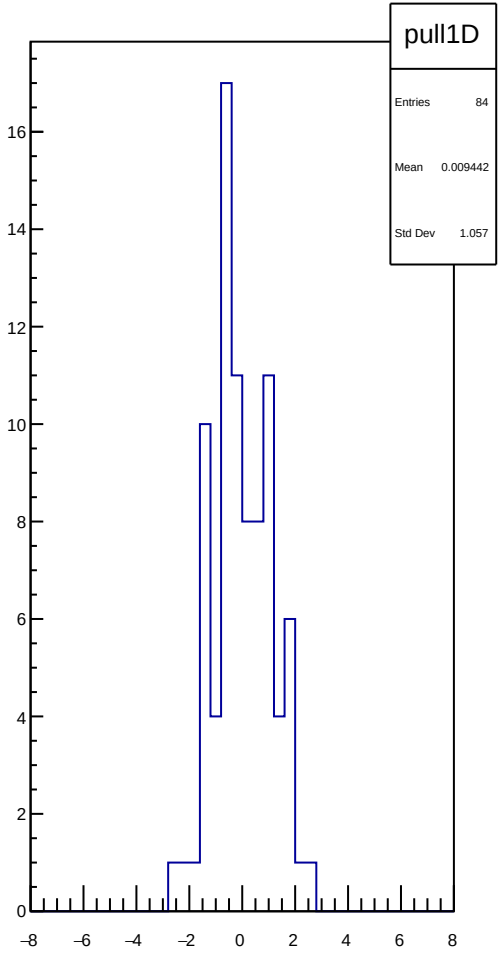

asym_sam_3748_avg_rms vs run
χ² / ndf 3379 / 83
p0 950.6 ± 0.7486
1100
1050
1000
950
900
850
800

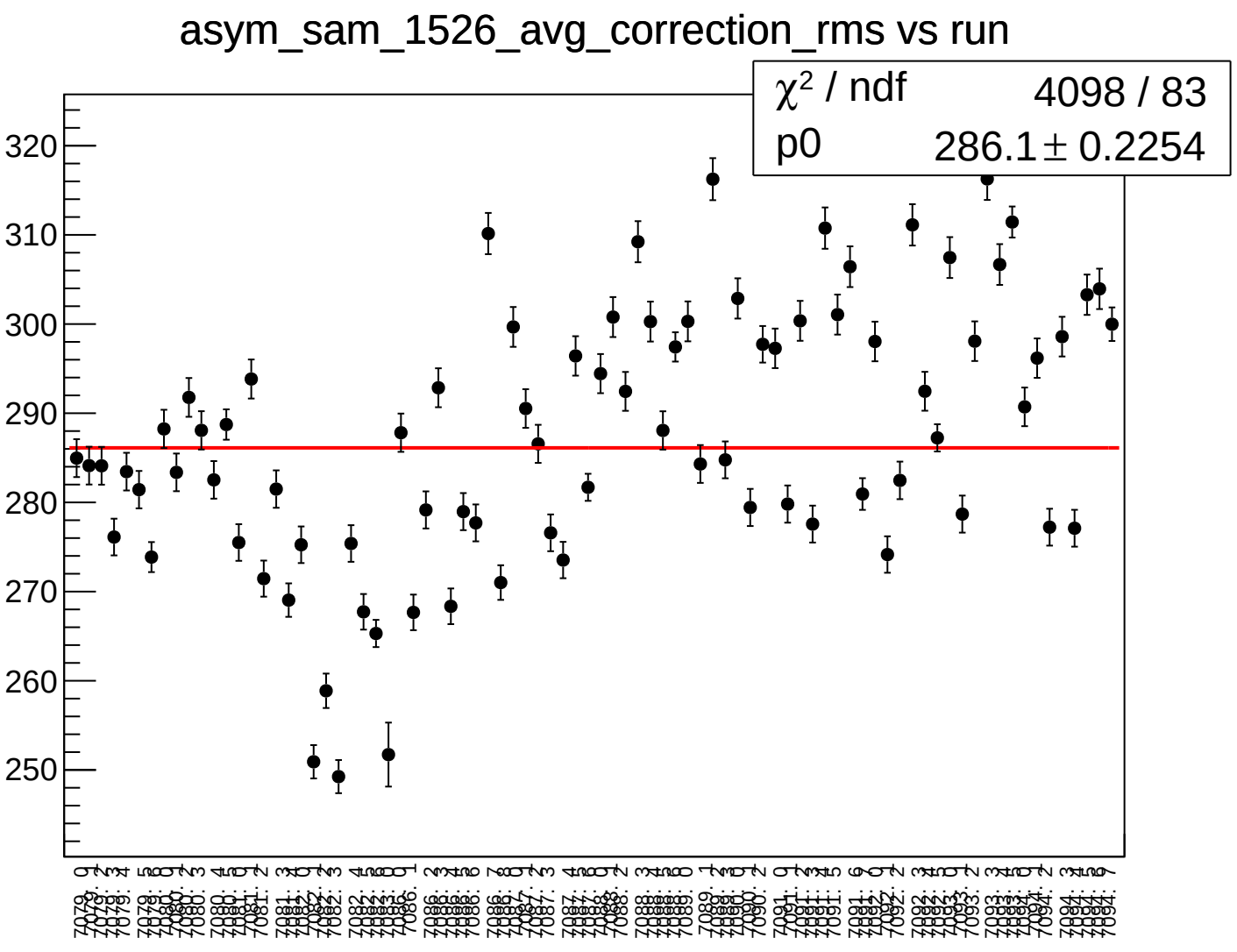

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 85.73 / 83
p0 14.33 ± 66.35
2000
1000
0
−1000
−2000
−3000
pull
Entries 84
Mean −252.7
Std Dev 277.4
1
0
−1
−2
−3

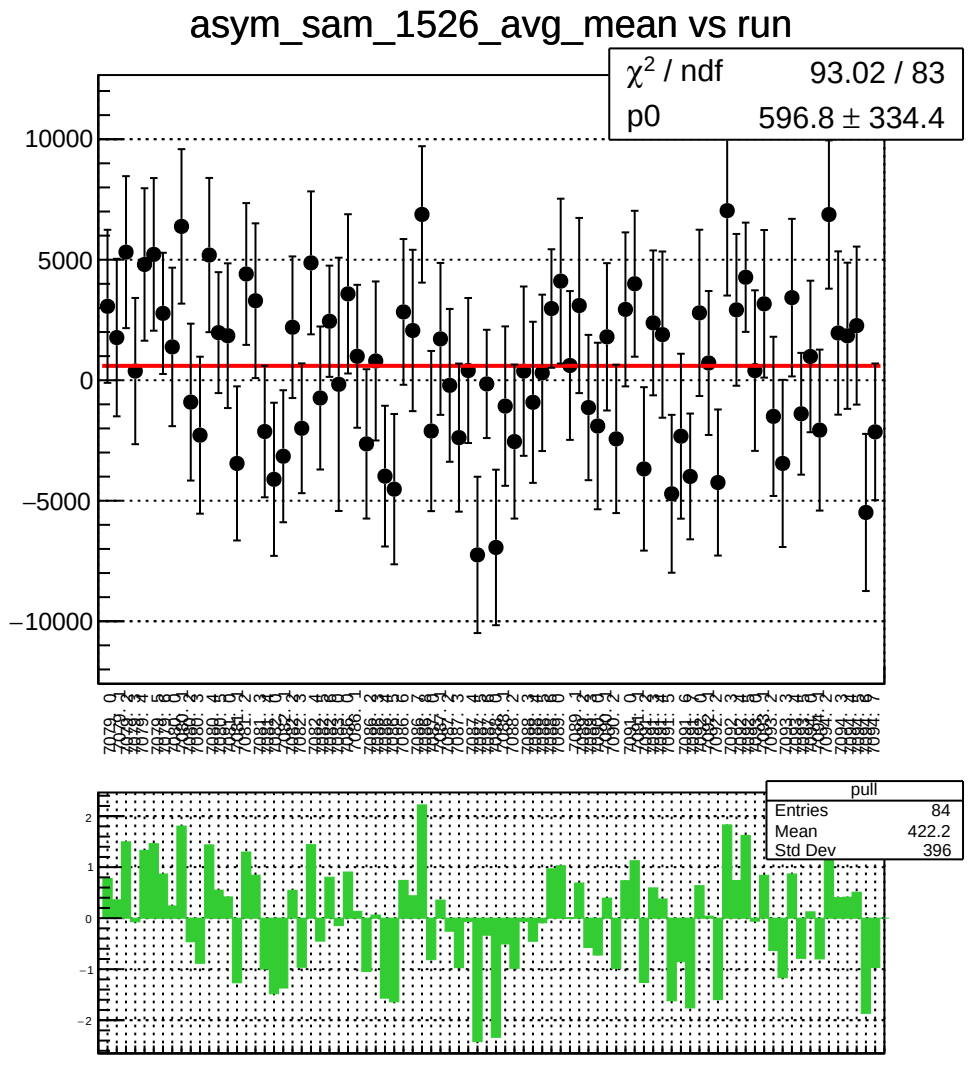

pull1D
Entries 84
Mean 0.005303
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

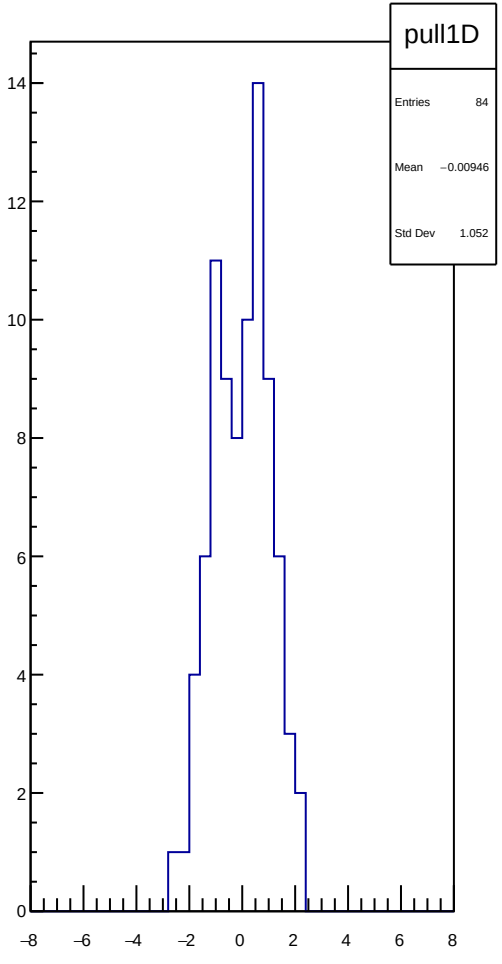

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.287e+04 / 83
p0 59.4 ± 0.04692
85
80
75
70
65
60
55
50

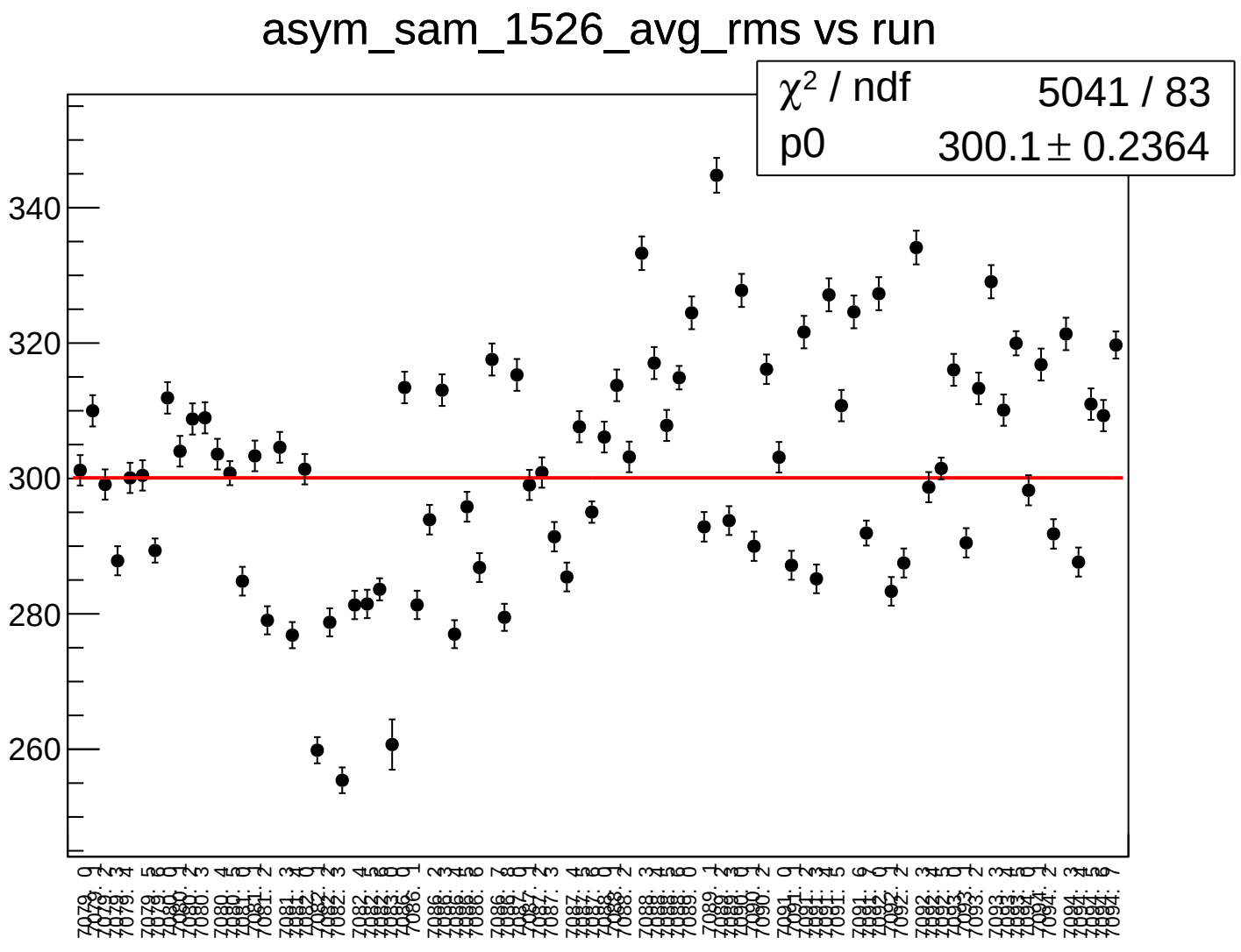

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 93.94 / 83
p0 −571 ± 318.7
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 404.6
Std Dev 378.5
2
1
0
−1
−2

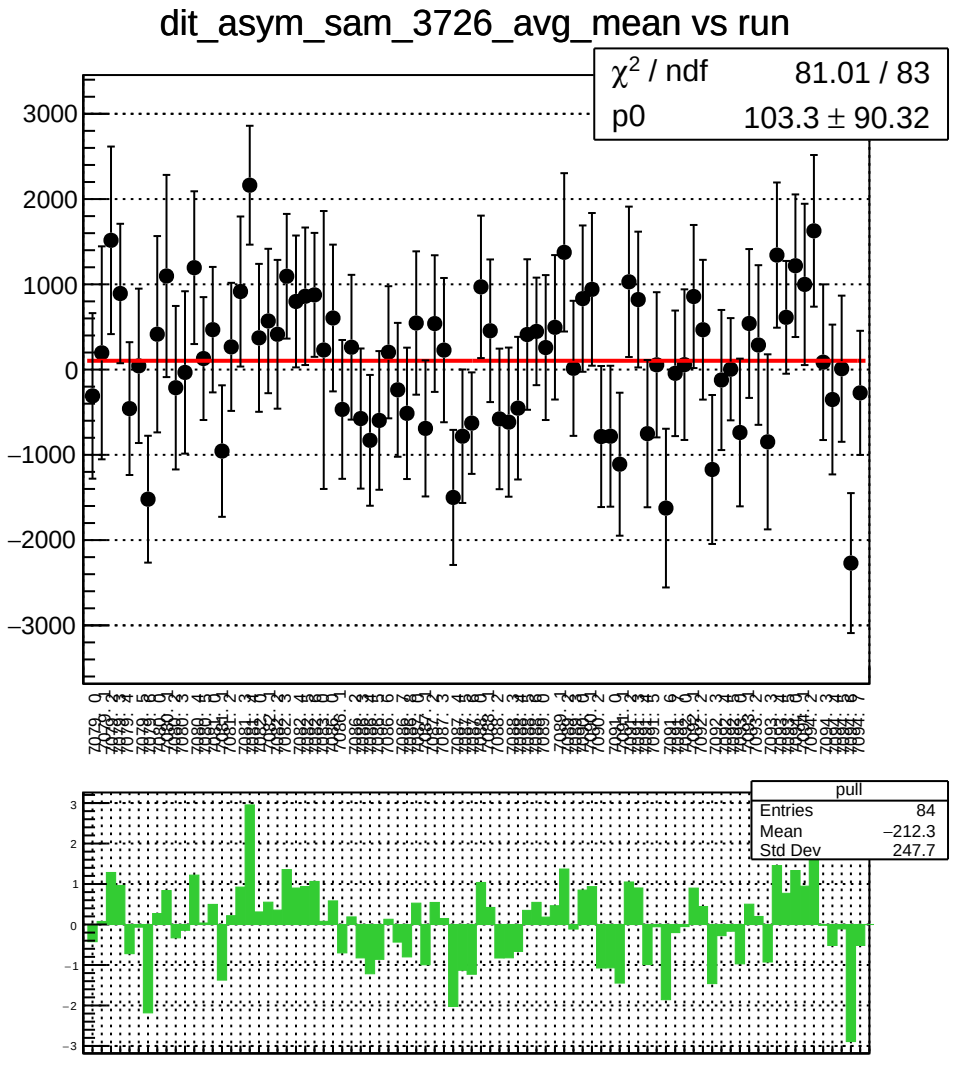

pull1D
Entries 84
Mean 0.009442
Std Dev 1.057
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

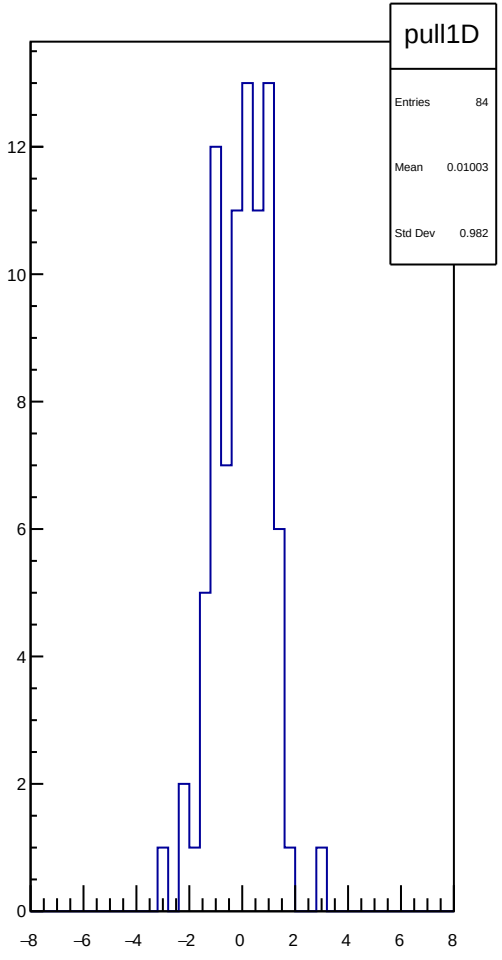

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 4098 / 83
p0 286.1 ± 0.2254
320
310
300
290
280
270
260
250

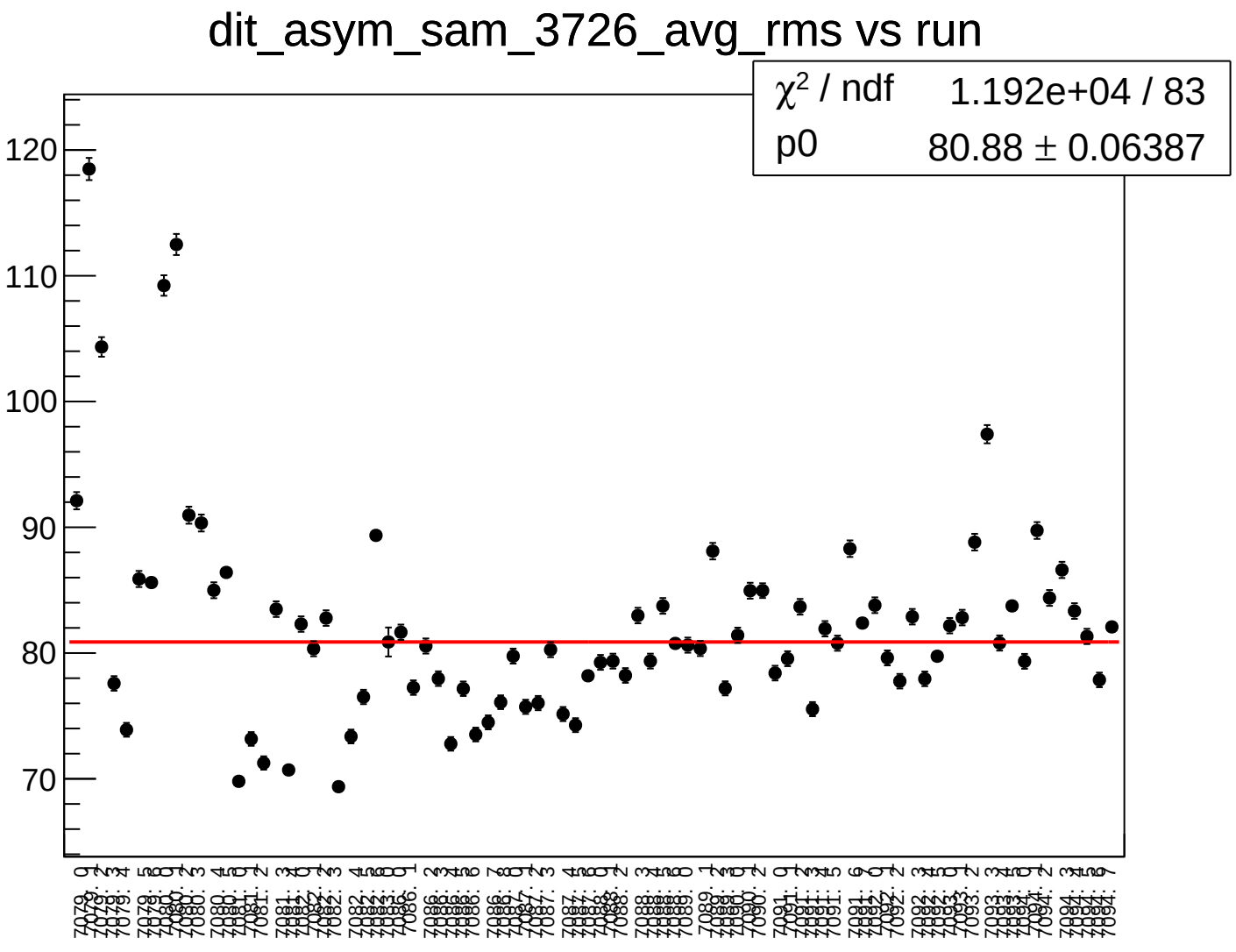

asym_sam_1526_avg_mean vs run
χ^2 / ndf 93.02 / 83
p0 596.8 ± 334.4
10000
5000
0
−5000
−10000
pull
Entries 84
Mean 422.2
Std Dev 396
2
1
0
−1
−2

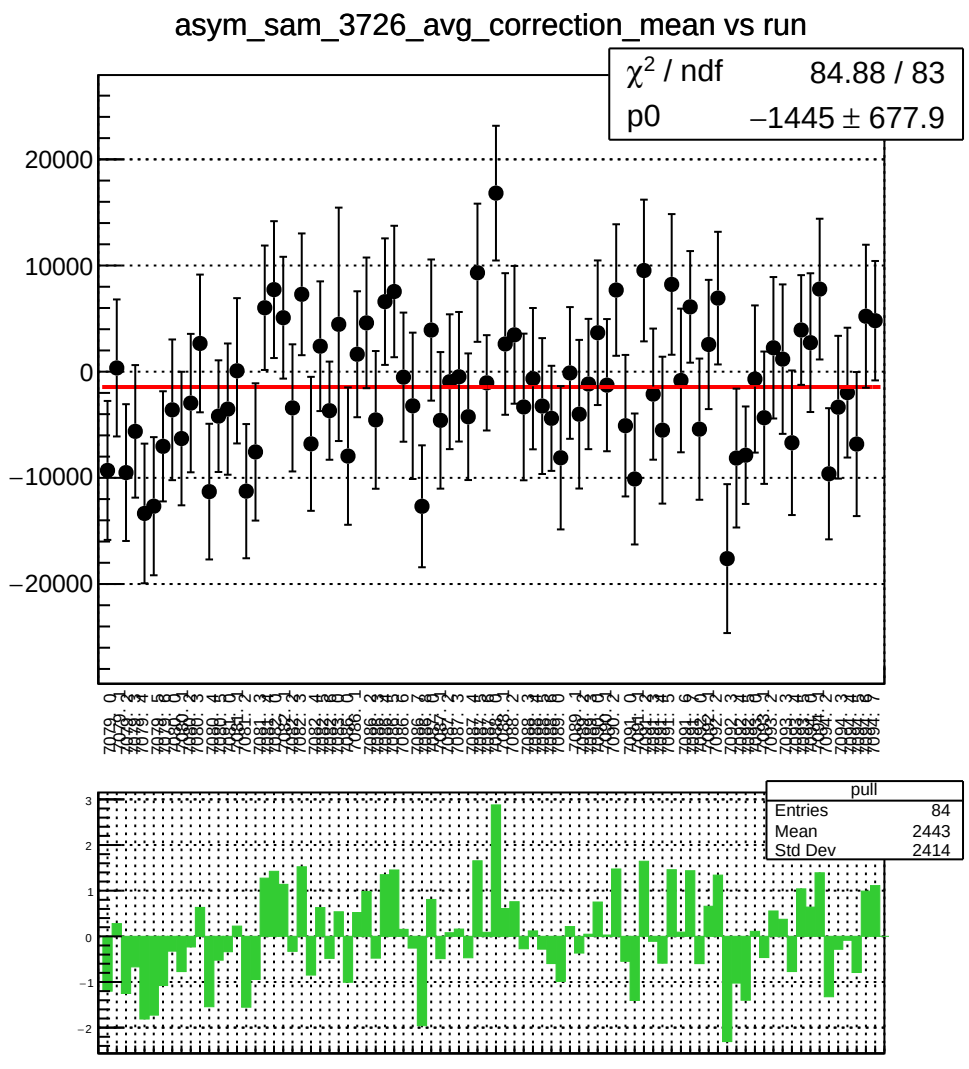

pull1D
Entries 84
Mean −0.00946
Std Dev 1.052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

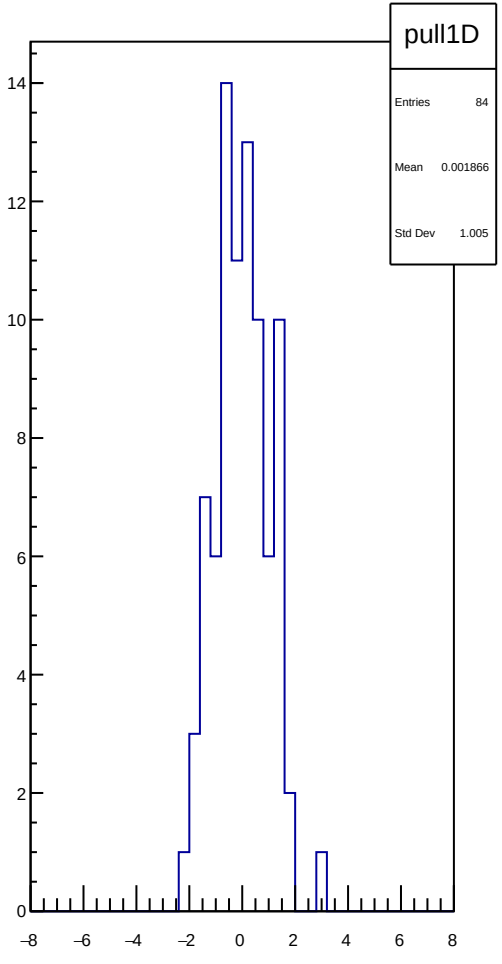

asym_sam_1526_avg_rms vs run
χ² / ndf 5041 / 83
p0 300.1 ± 0.2364
340
320
300
280
260

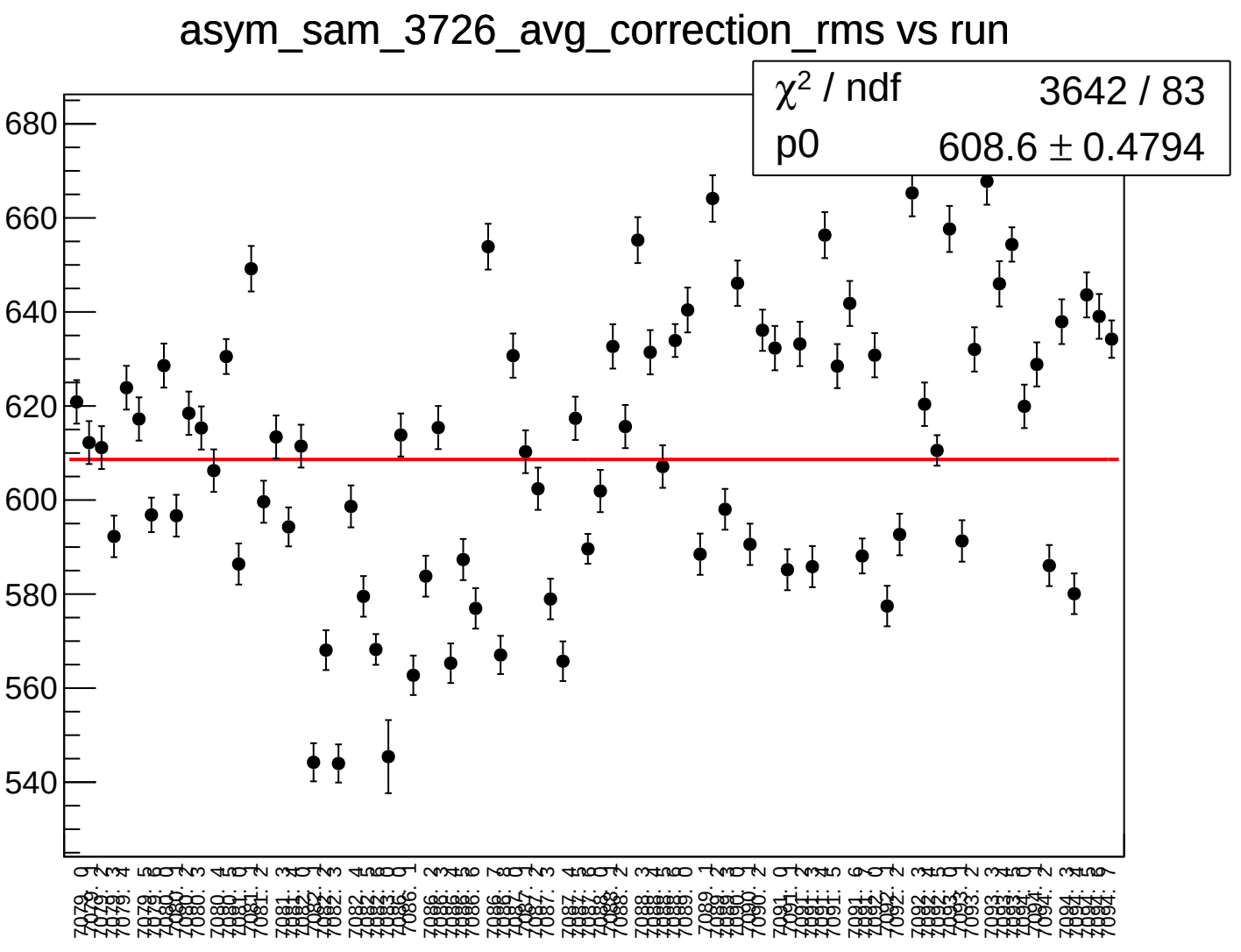

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 81.01 / 83
p0 103.3 ± 90.32
pull
Entries 84
Mean −212.3
Std Dev 247.7

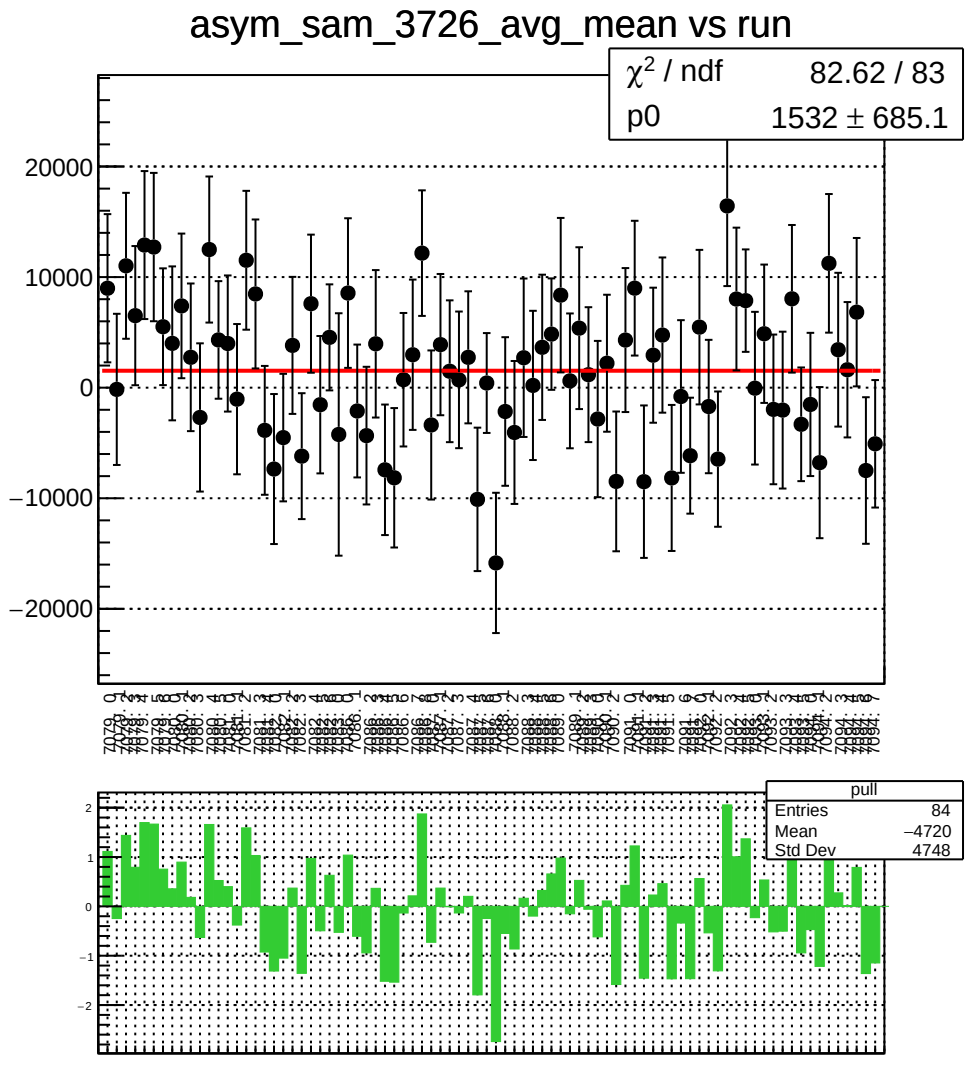

pull1D
Entries 84
Mean 0.01003
Std Dev 0.982

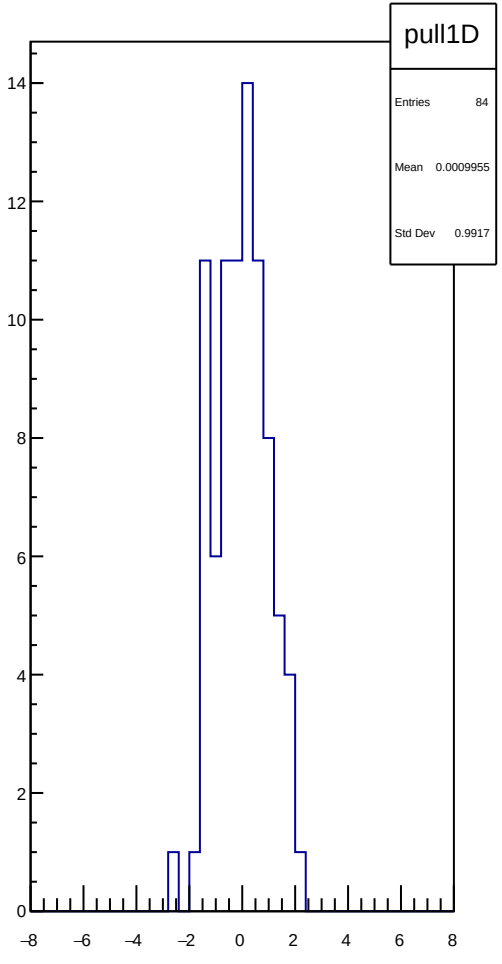

dit_asym_sam_3726_avg_rms vs run
χ^2 / ndf 1.192e+04 / 83
p0 80.88 ± 0.06387
120
110
100
90
80
70

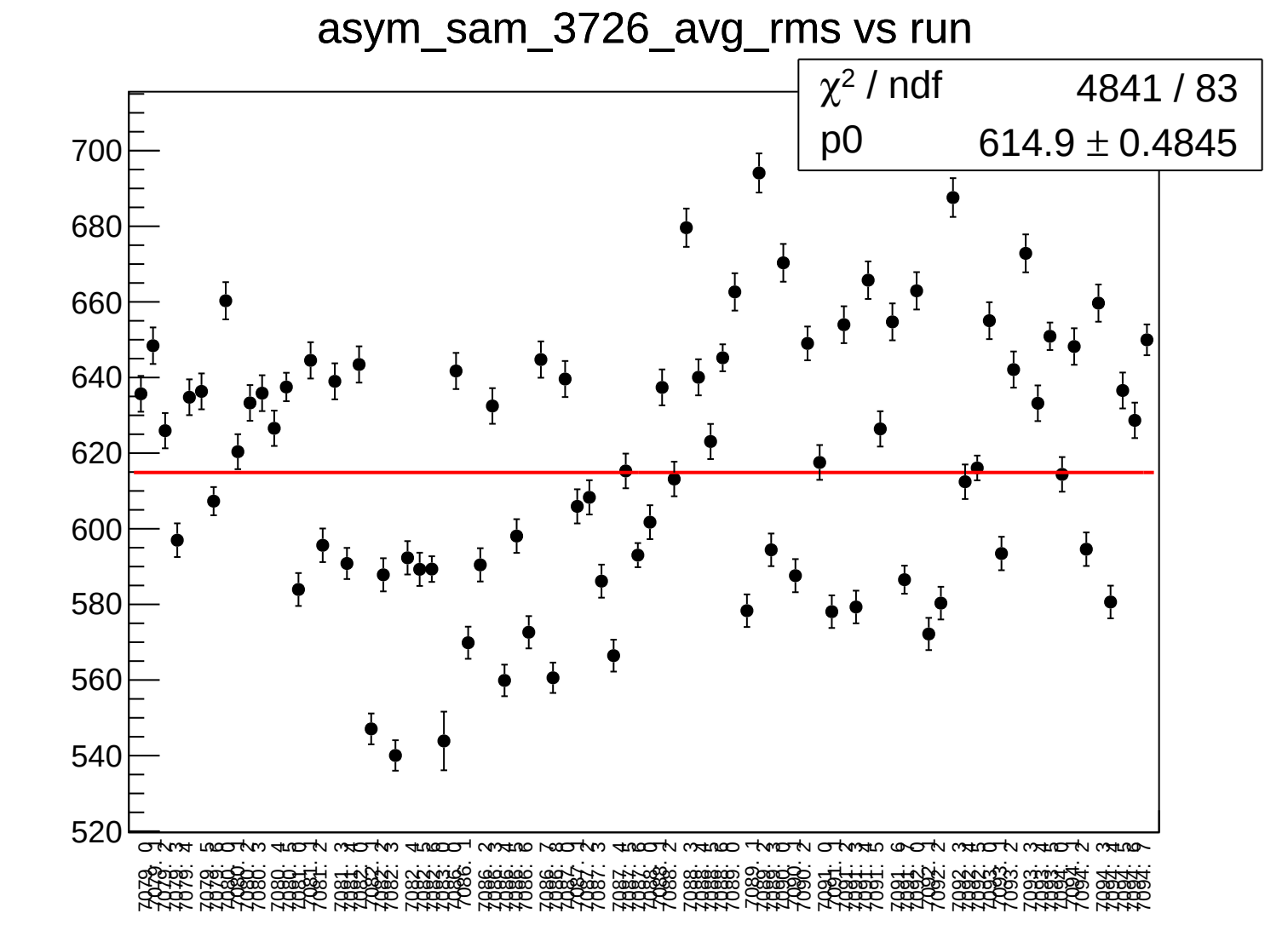

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 84.88 / 83
p0 −1445 ± 677.9
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 2443
Std Dev 2414
3
2
1
0
−1
−2

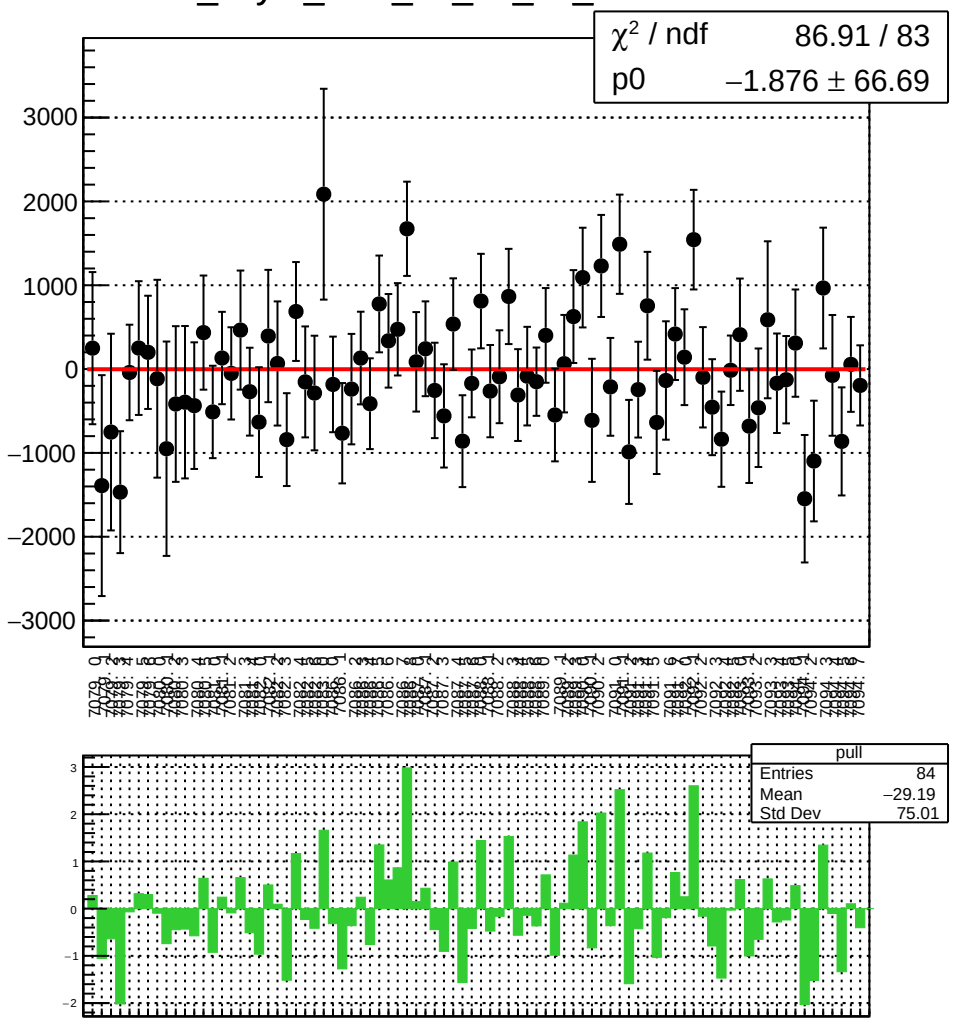

pull1D
Entries 84
Mean 0.001866
Std Dev 1.005
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

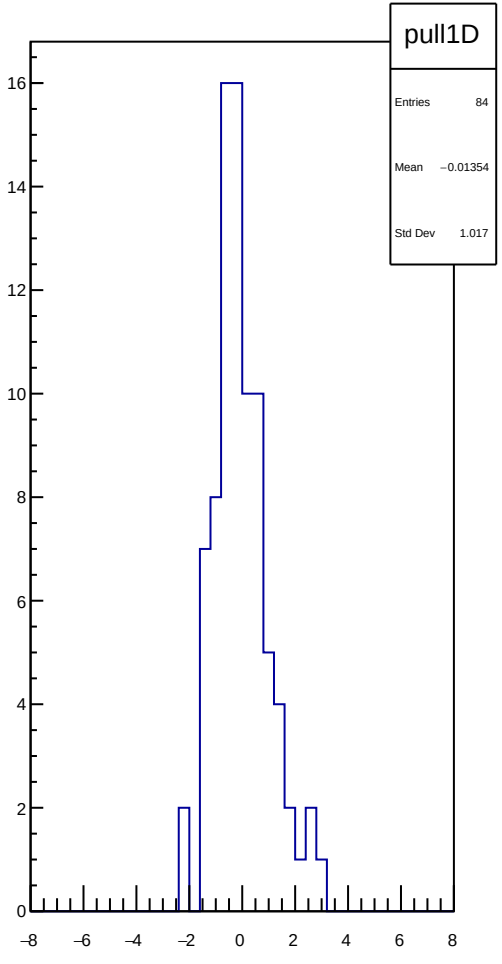

asym_sam_3726_avg_correction_rms vs run
χ² / ndf 3642 / 83
p0 608.6 ± 0.4794
680
660
640
620
600
580
560
540

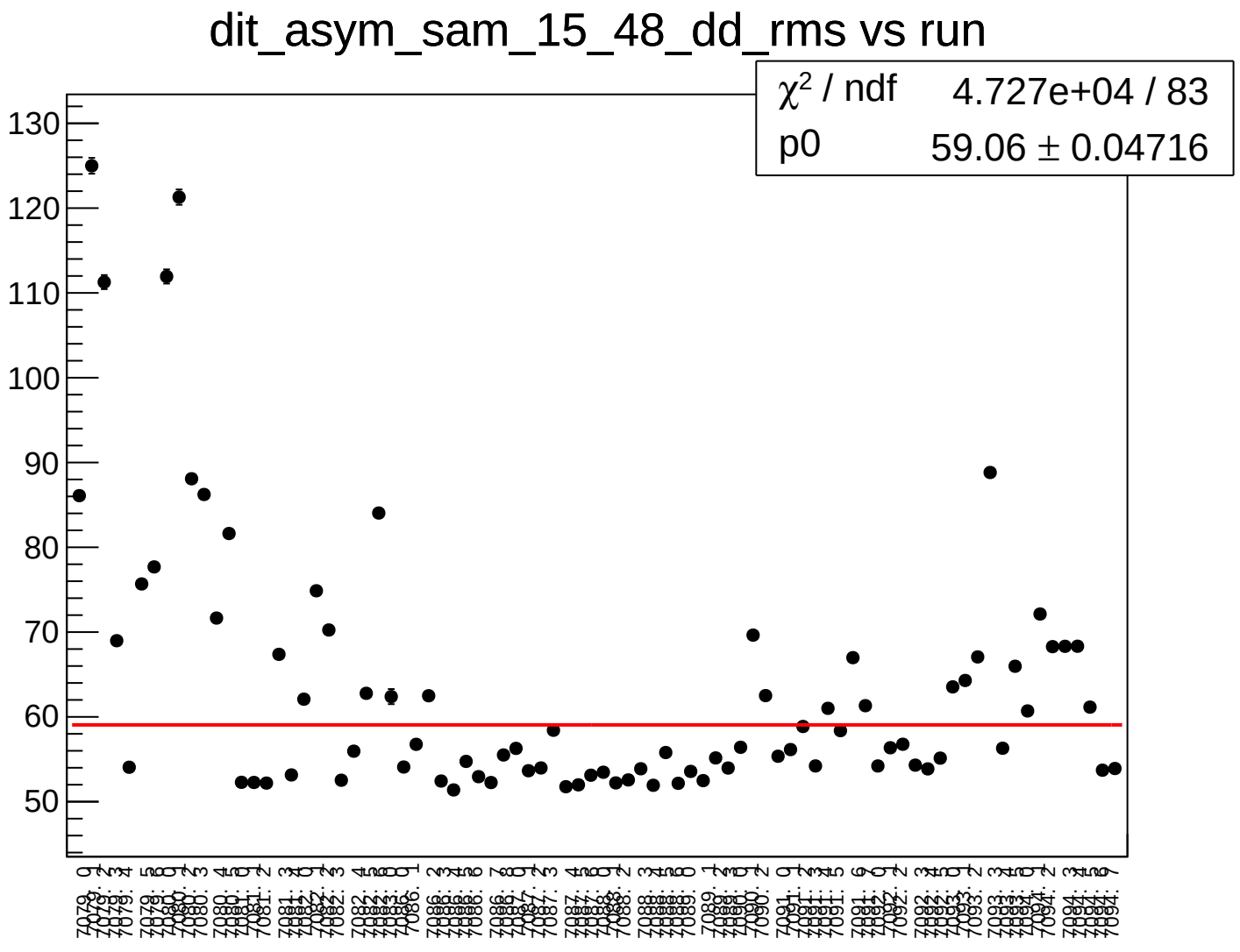

asym_sam_3726_avg_mean vs run
χ² / ndf 82.62 / 83
p0 1532 ± 685.1
20000
10000
0
−10000
−20000
pull
Entries 84
Mean −4720
Std Dev 4748
2
1
0
−1
−2

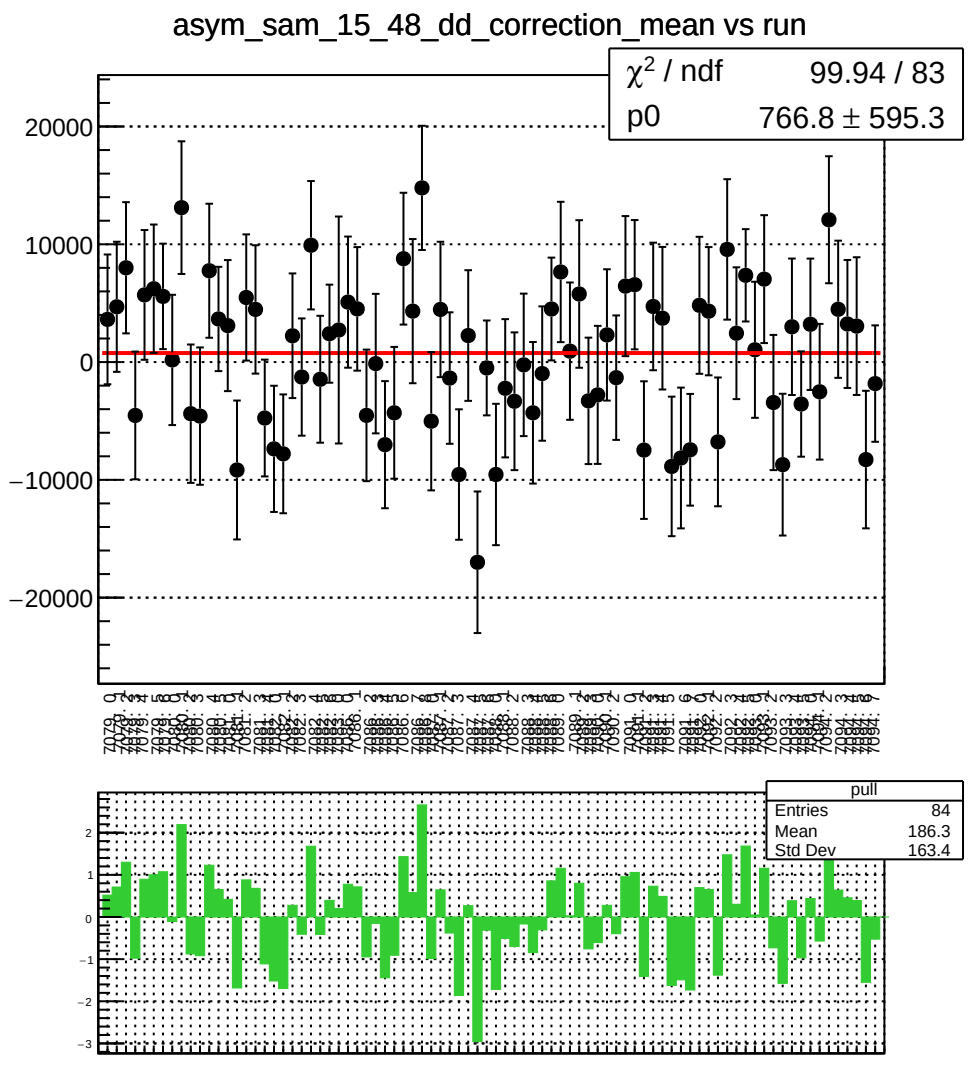

pull1D
Entries 84
Mean 0.0009955
Std Dev 0.9917
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

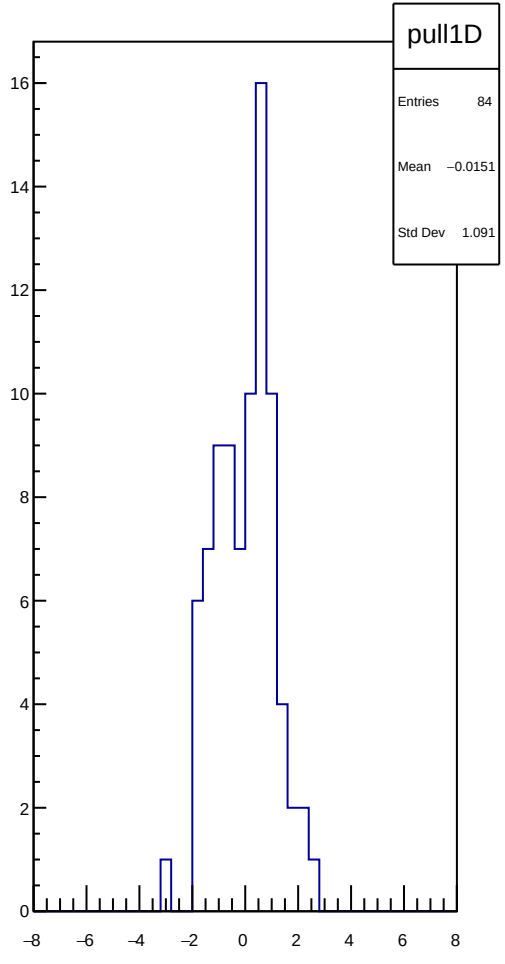

asym_sam_3726_avg_rms vs run
χ² / ndf 4841 / 83
p0 614.9 ± 0.4845
700
680
660
640
620
600
580
560
540
520

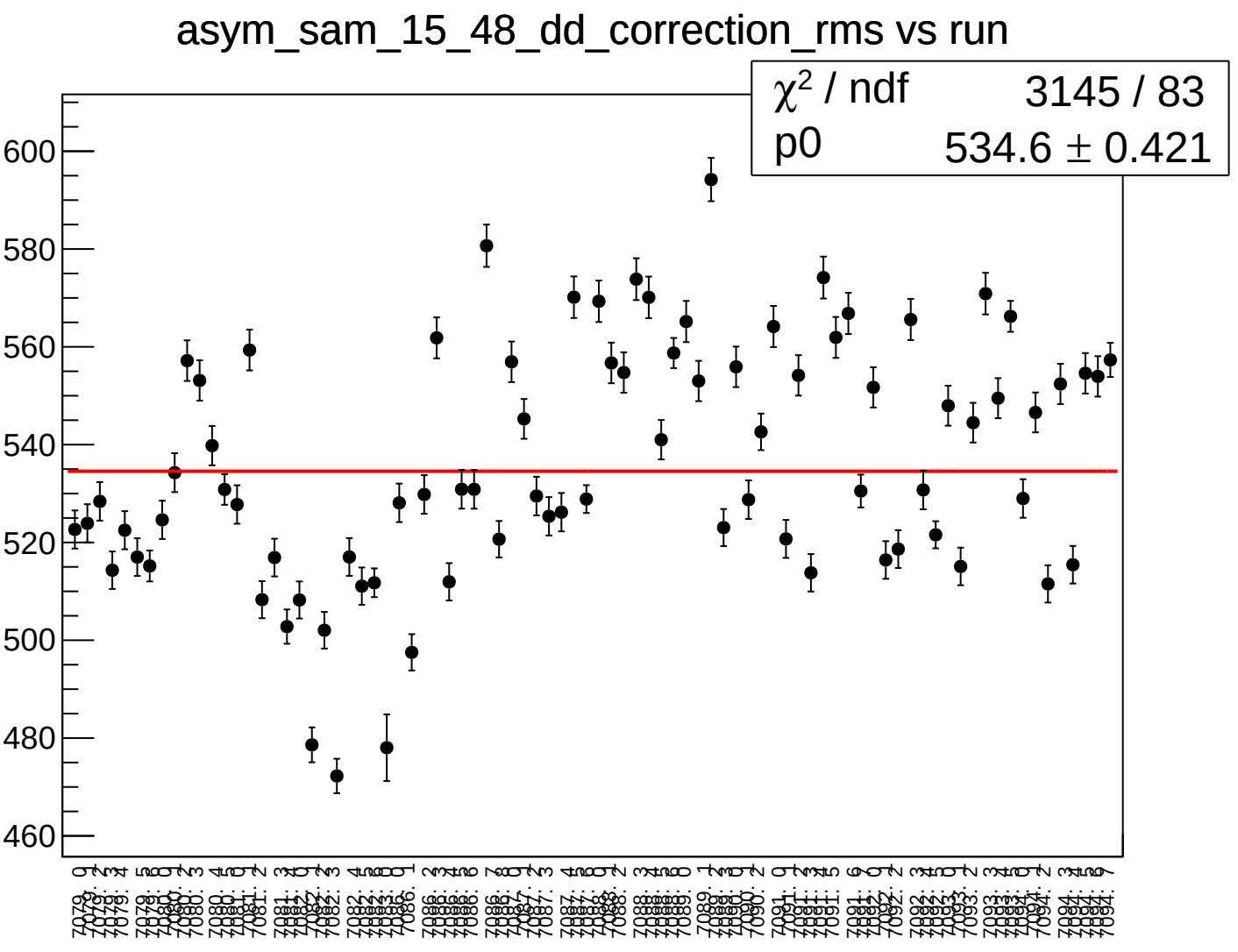

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 86.91 / 83
p0 −1.876 ± 66.69
pull
Entries 84
Mean −29.19
Std Dev 75.01

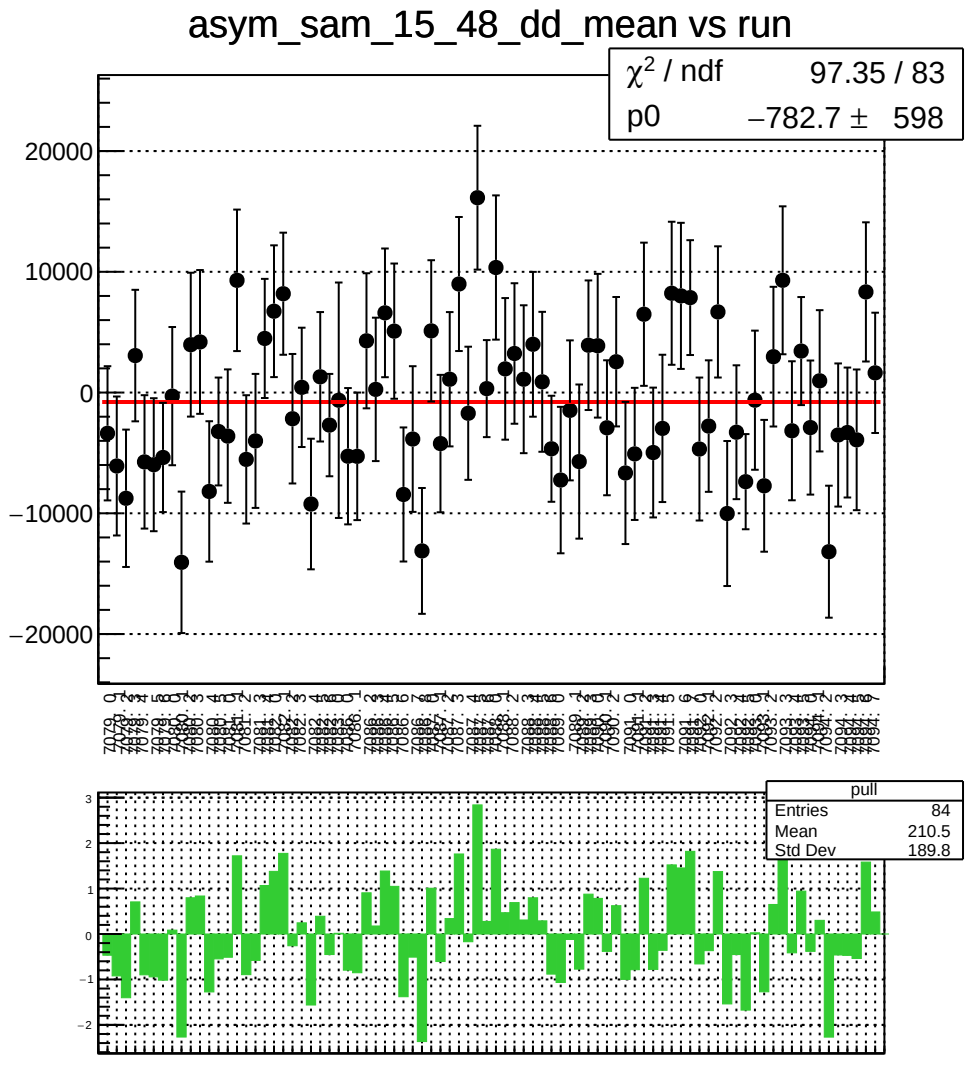

pull1D
Entries 84
Mean −0.01354
Std Dev 1.017

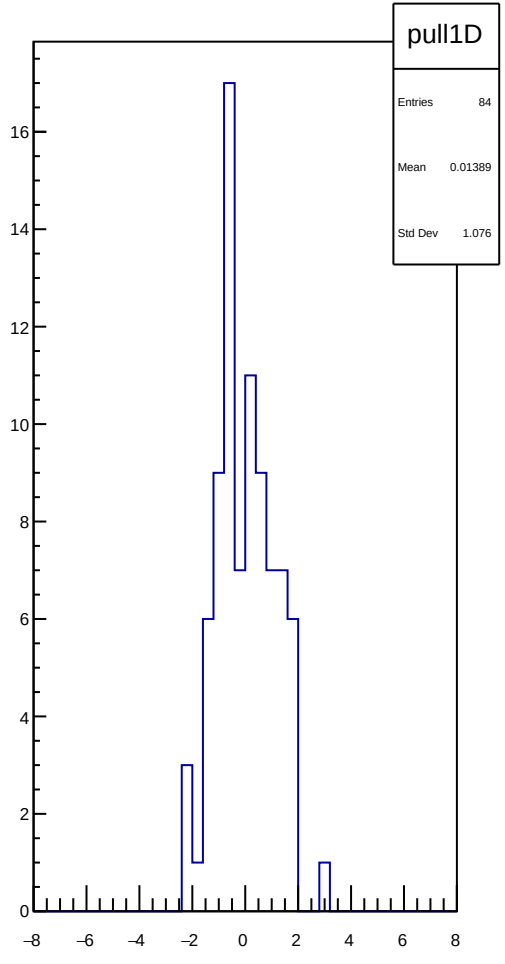

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4.727e+04 / 83
p0 59.06 ± 0.04716
130
120
110
100
90
80
70
60
50

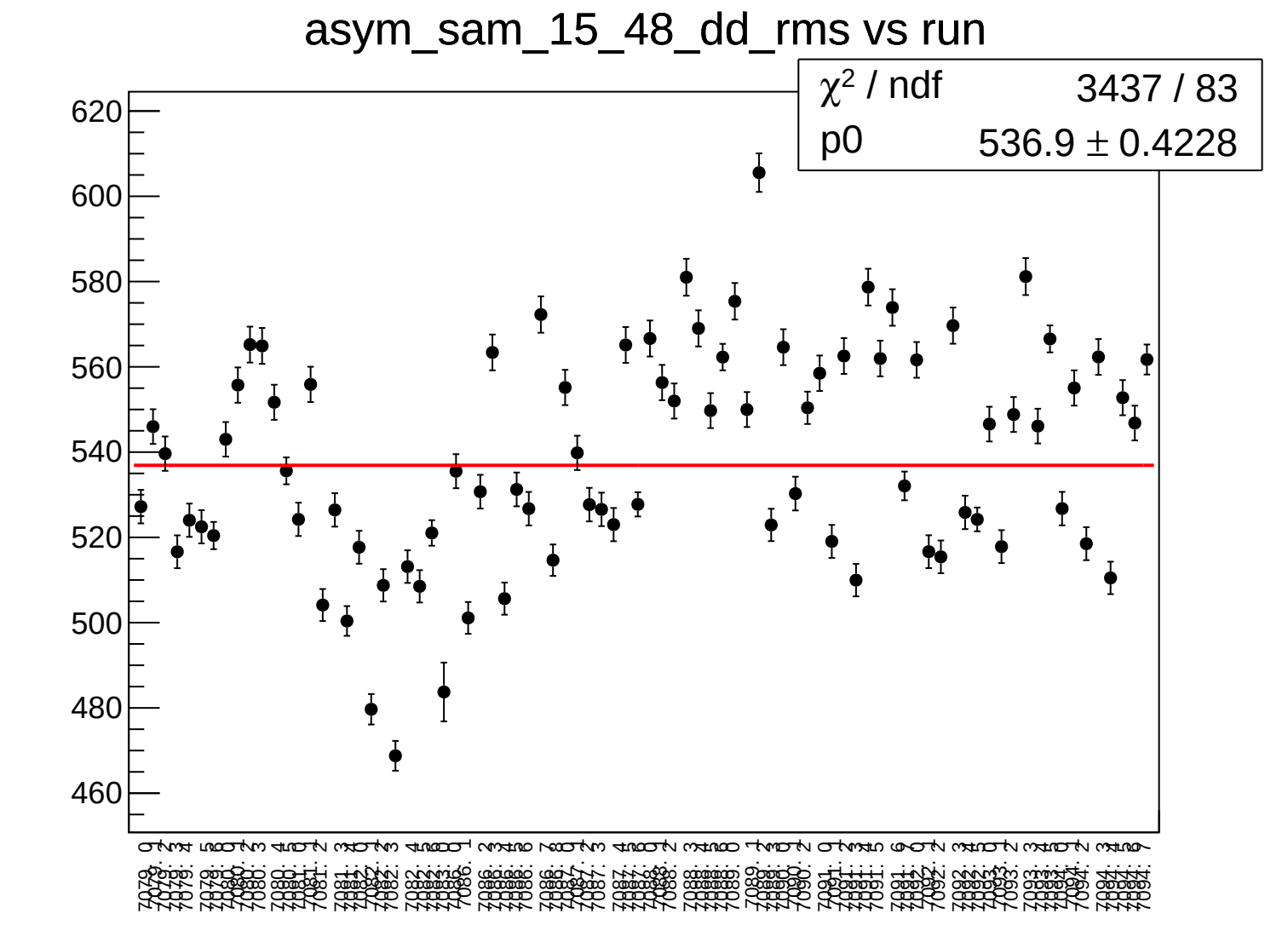

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 99.94 / 83
p0 766.8 ± 595.3
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 186.3
Std Dev 163.4
2
1
0
−1
−2
−3

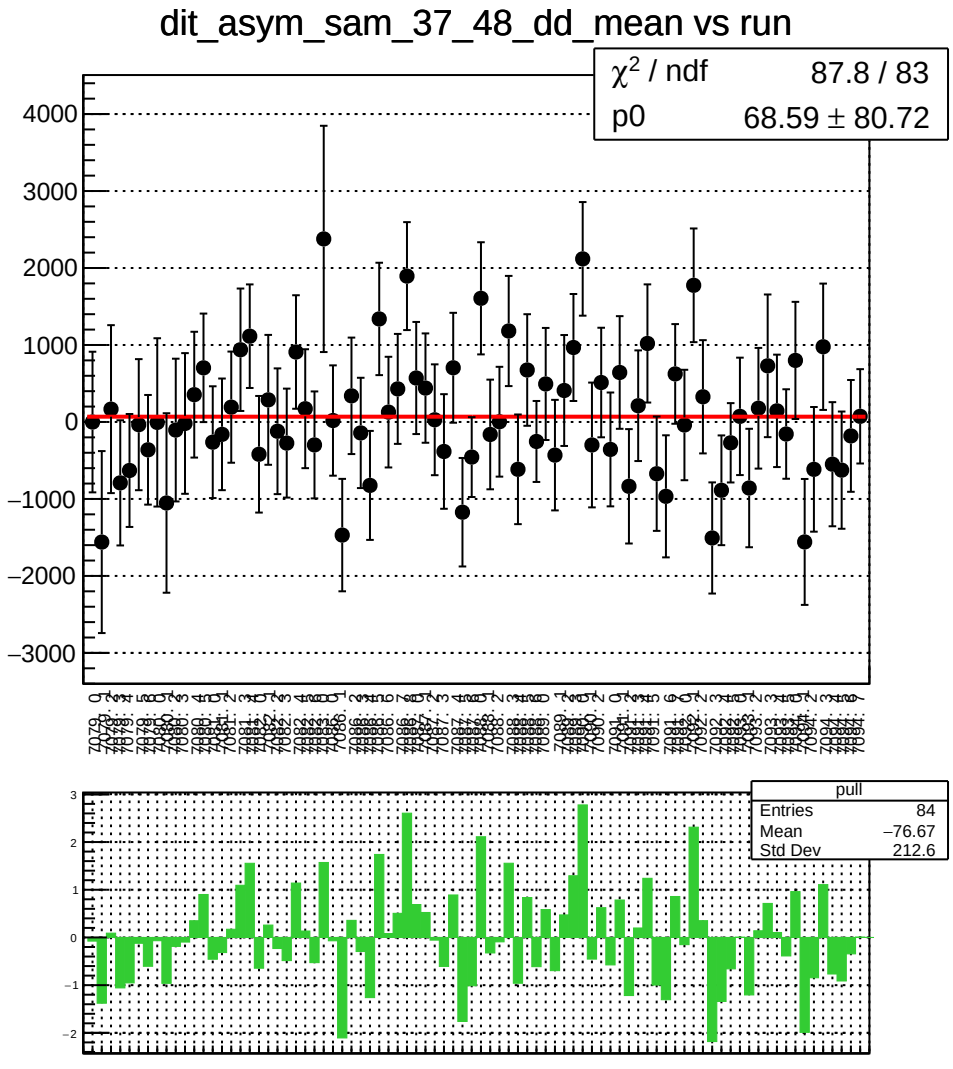

pull1D
Entries 84
Mean −0.0151
Std Dev 1.091
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

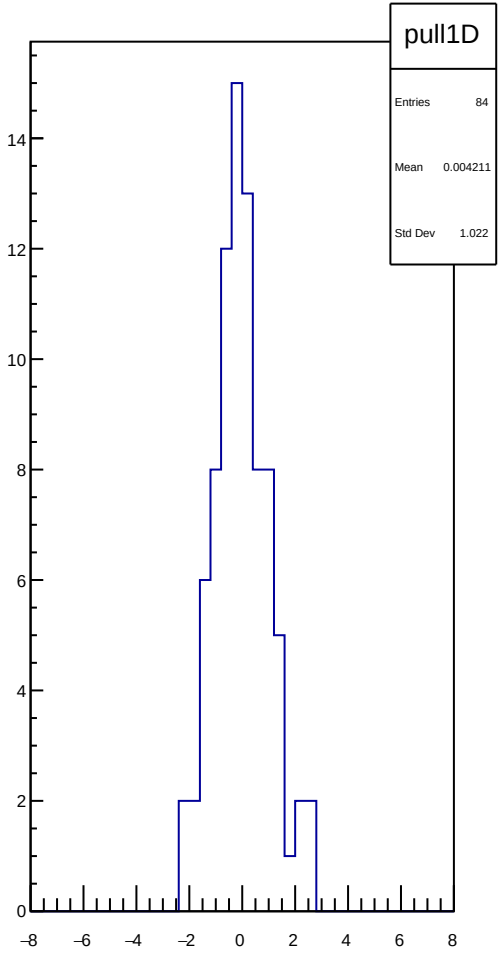

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 3145 / 83
p0 534.6 ± 0.421
600
580
560
540
520
500
480
460

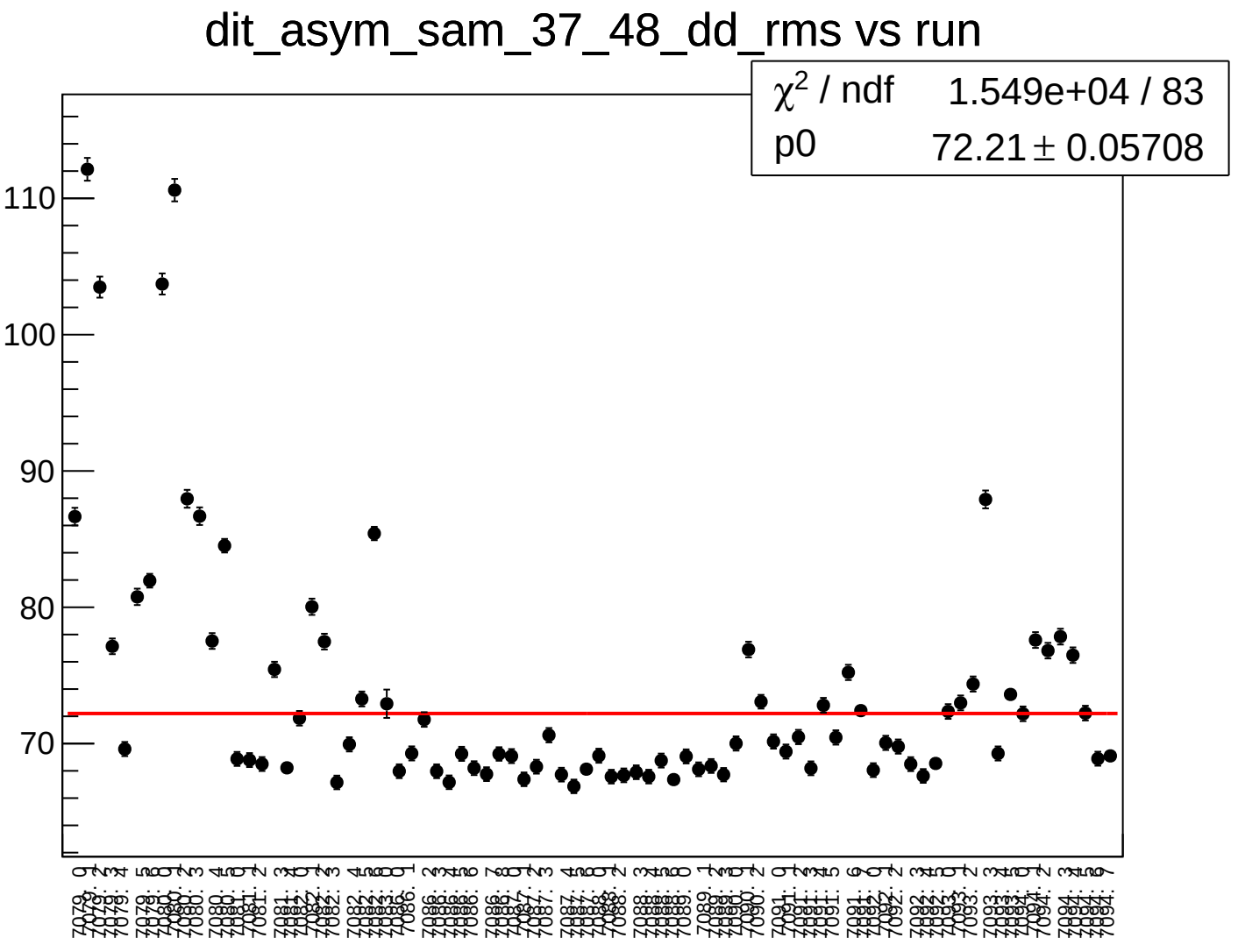

asym_sam_15_48_dd_mean vs run
χ² / ndf 97.35 / 83
p0 −782.7 ± 598
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 210.5
Std Dev 189.8
3
2
1
0
−1
−2

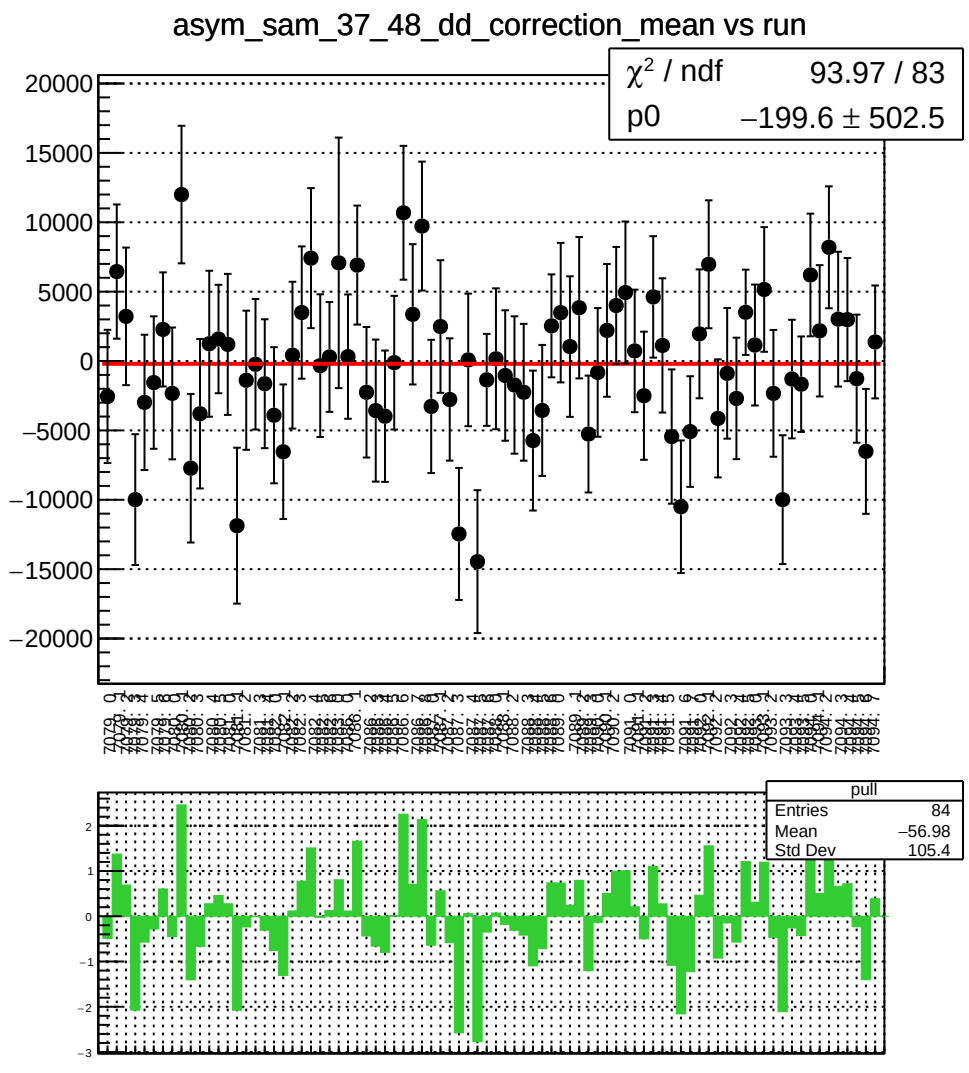

pull1D
Entries 84
Mean 0.01389
Std Dev 1.076
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

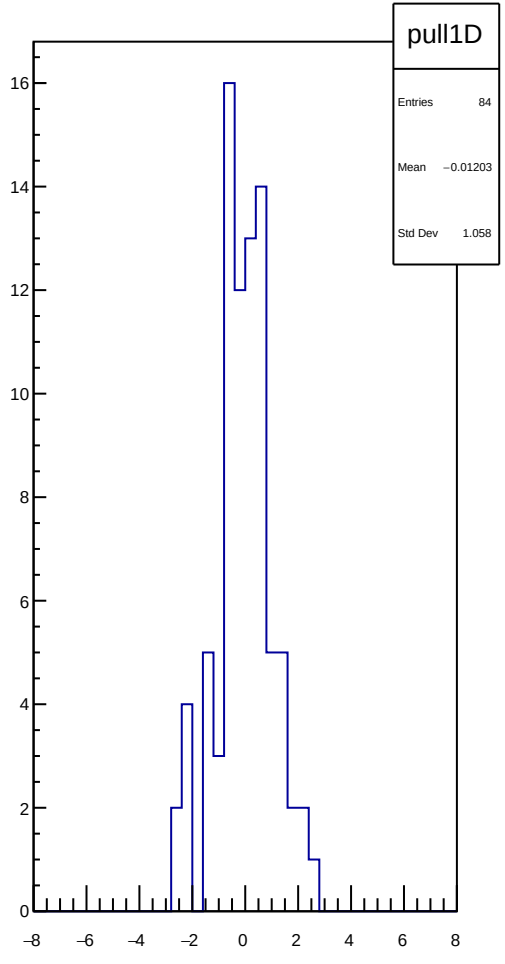

asym_sam_15_48_dd_rms vs run
χ² / ndf 3437 / 83
p0 536.9 ± 0.4228
620
600
580
560
540
520
500
480
460

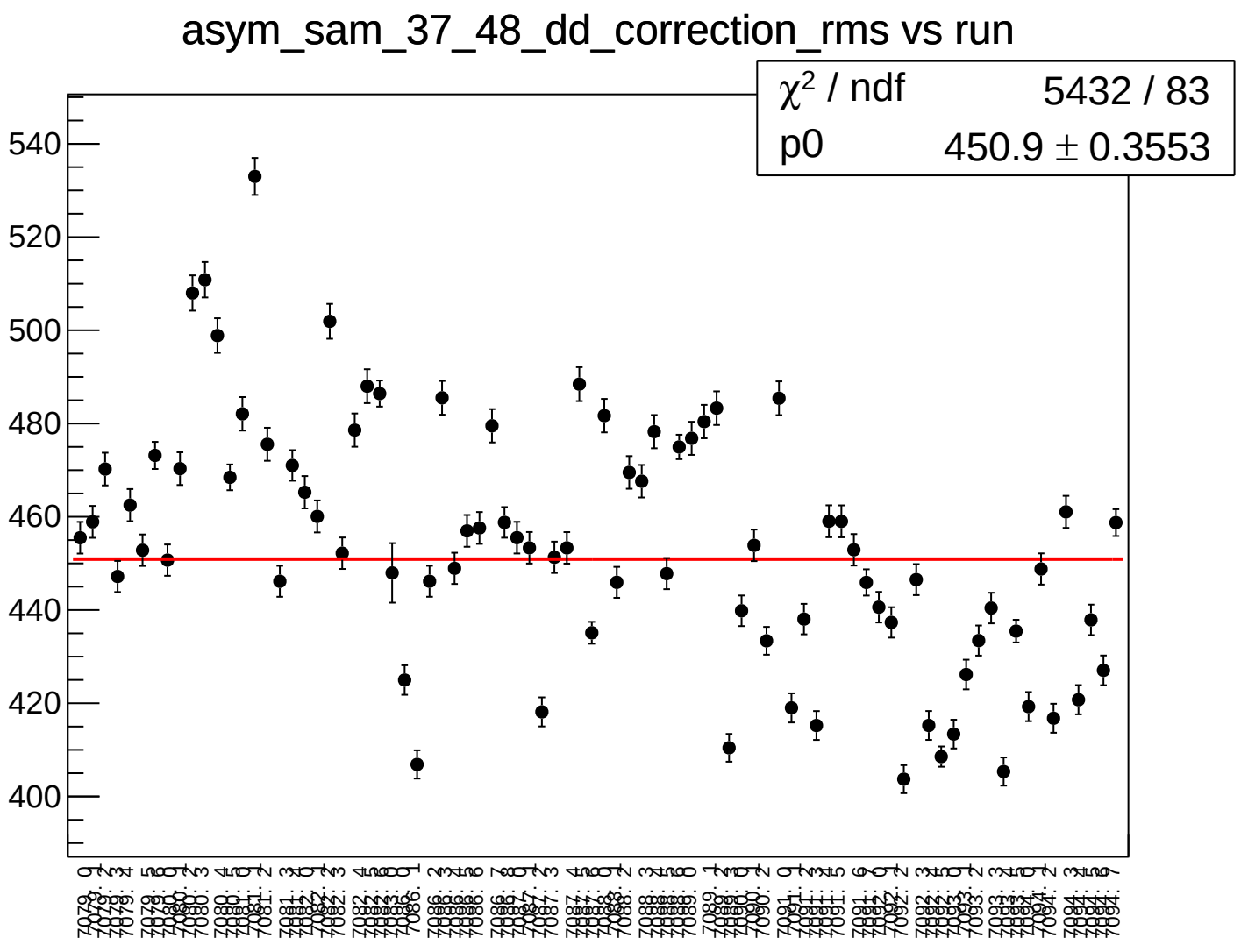

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 87.8 / 83
p0 68.59 ± 80.72
pull
Entries 84
Mean −76.67
Std Dev 212.6

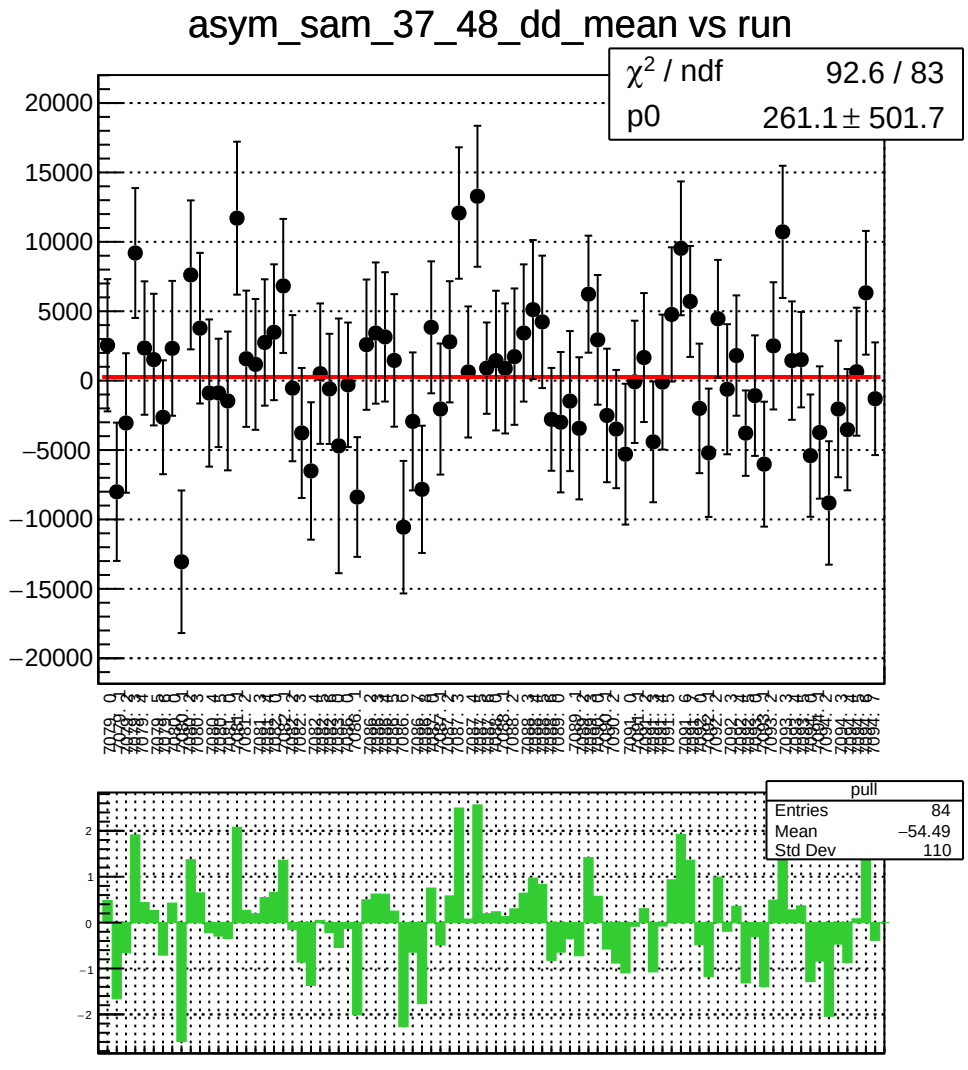

pull1D
Entries 84
Mean 0.004211
Std Dev 1.022

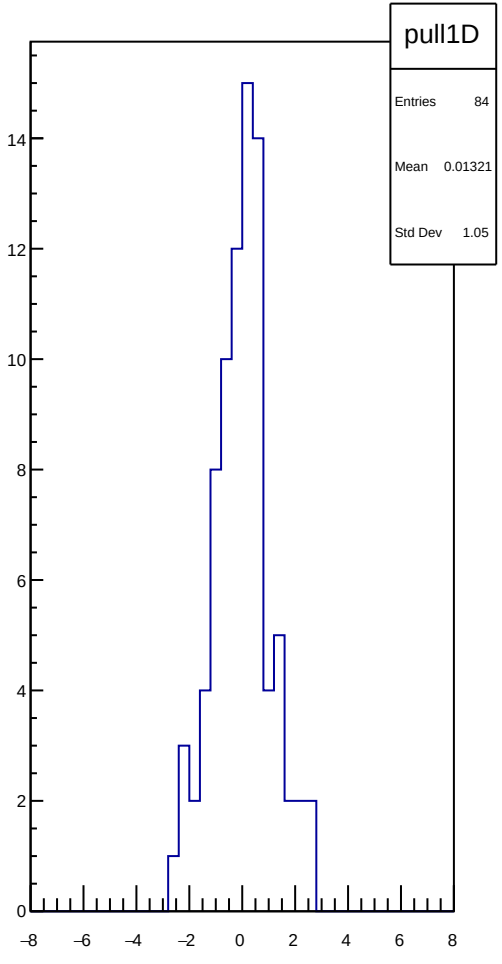

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 1.549e+04 / 83
p0 72.21 ± 0.05708
110
100
90
80
70

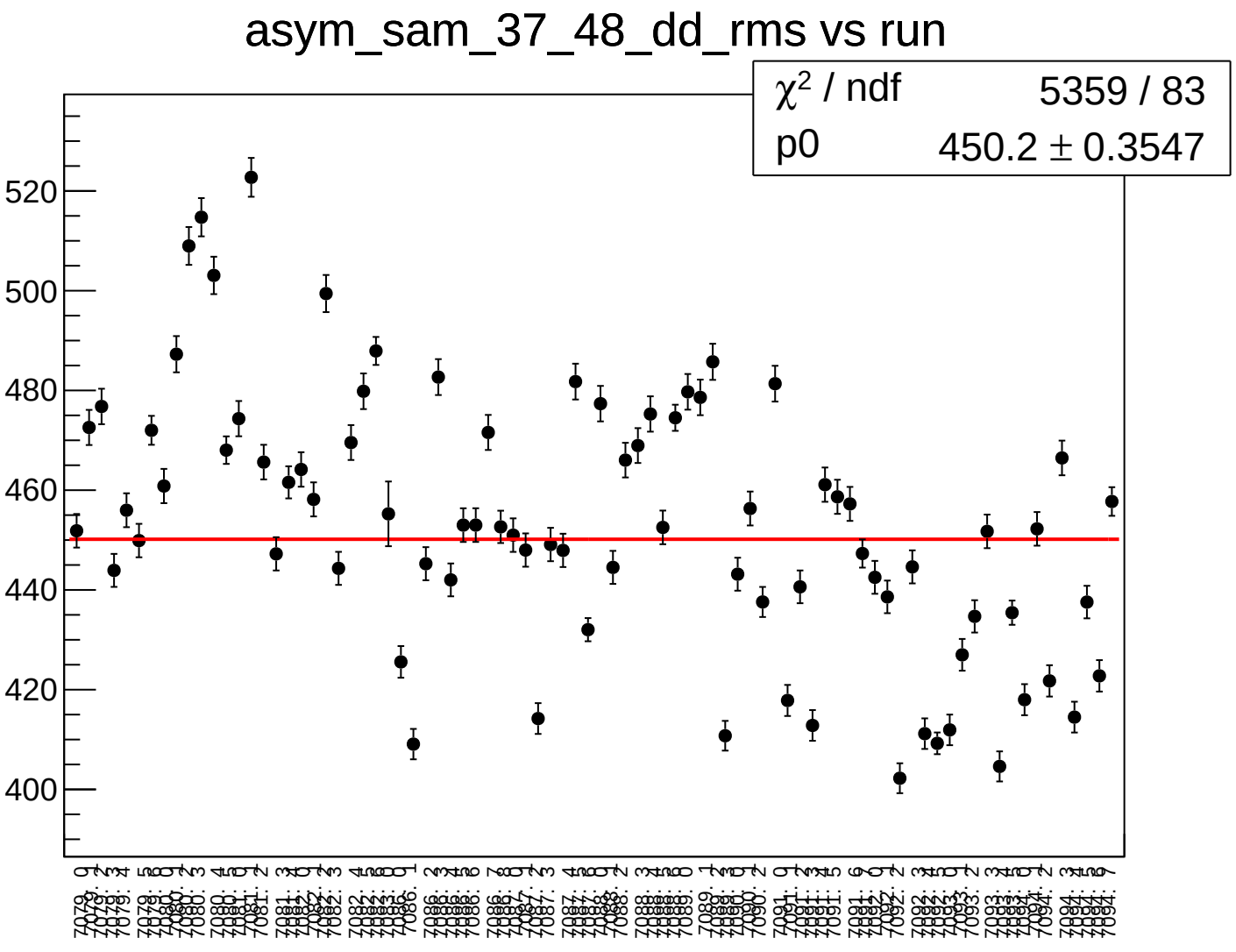

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 93.97 / 83
p0 −199.6 ± 502.5
pull
Entries 84
Mean −56.98
Std Dev 105.4

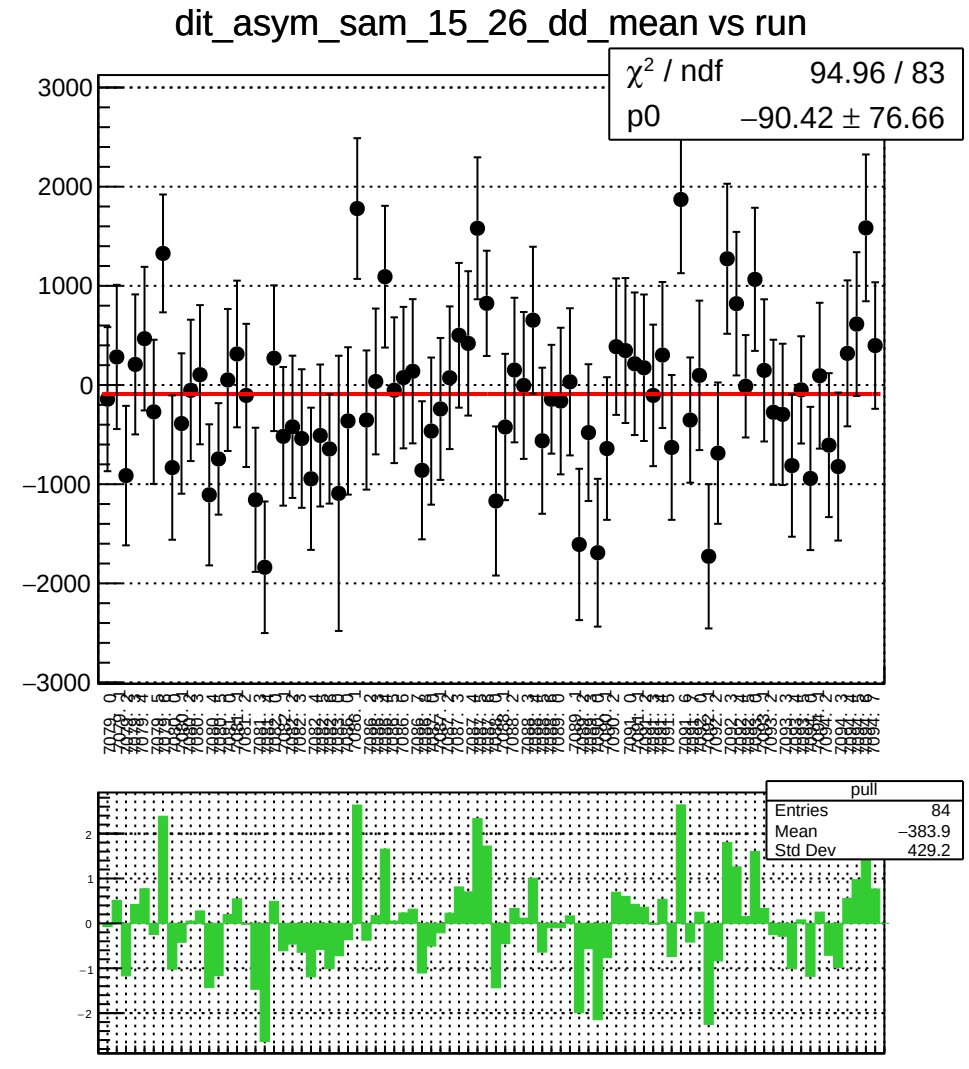

pull1D
Entries 84
Mean −0.01203
Std Dev 1.058

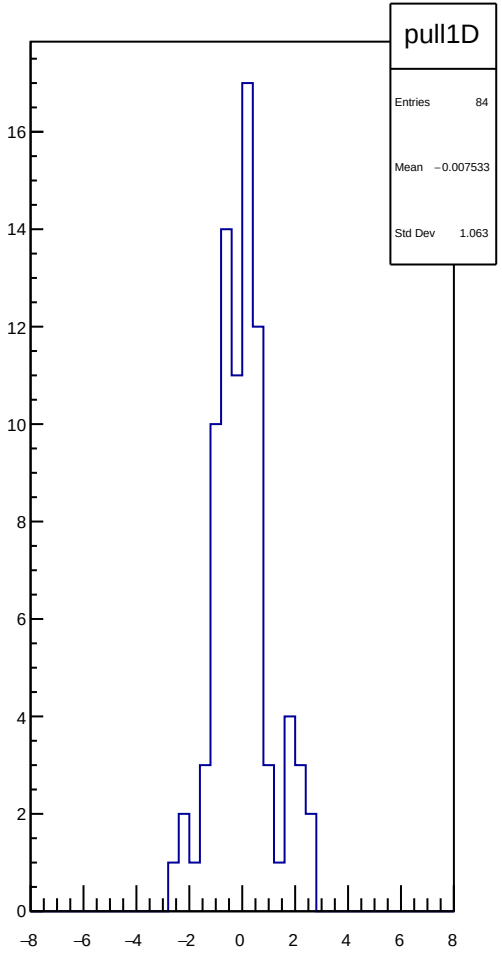

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 5432 / 83
p0 450.9 ± 0.3553
540
520
500
480
460
440
420
400

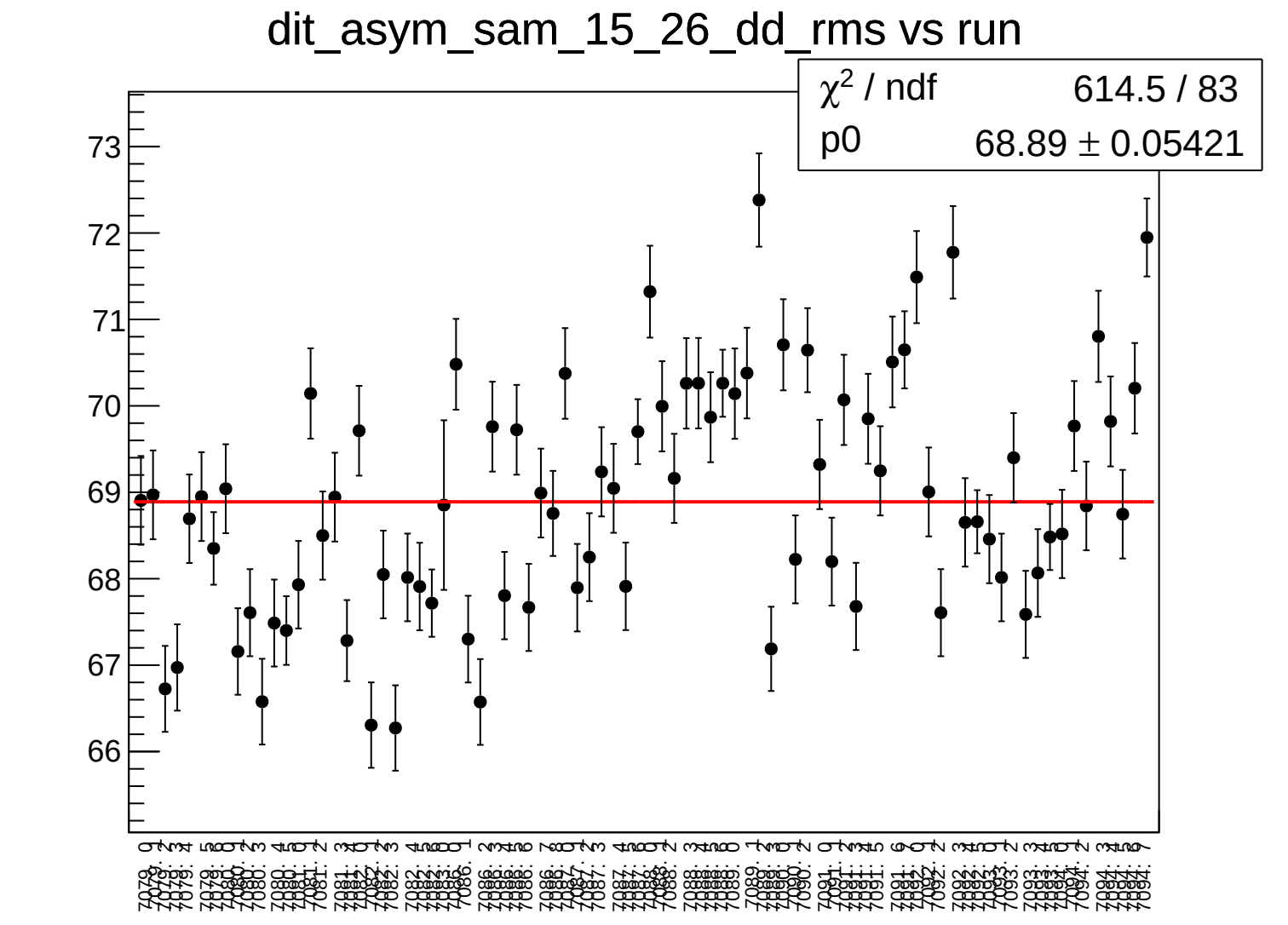

asym_sam_37_48_dd_mean vs run
χ² / ndf 92.6 / 83
p0 261.1 ± 501.7
pull
Entries 84
Mean −54.49
Std Dev 110

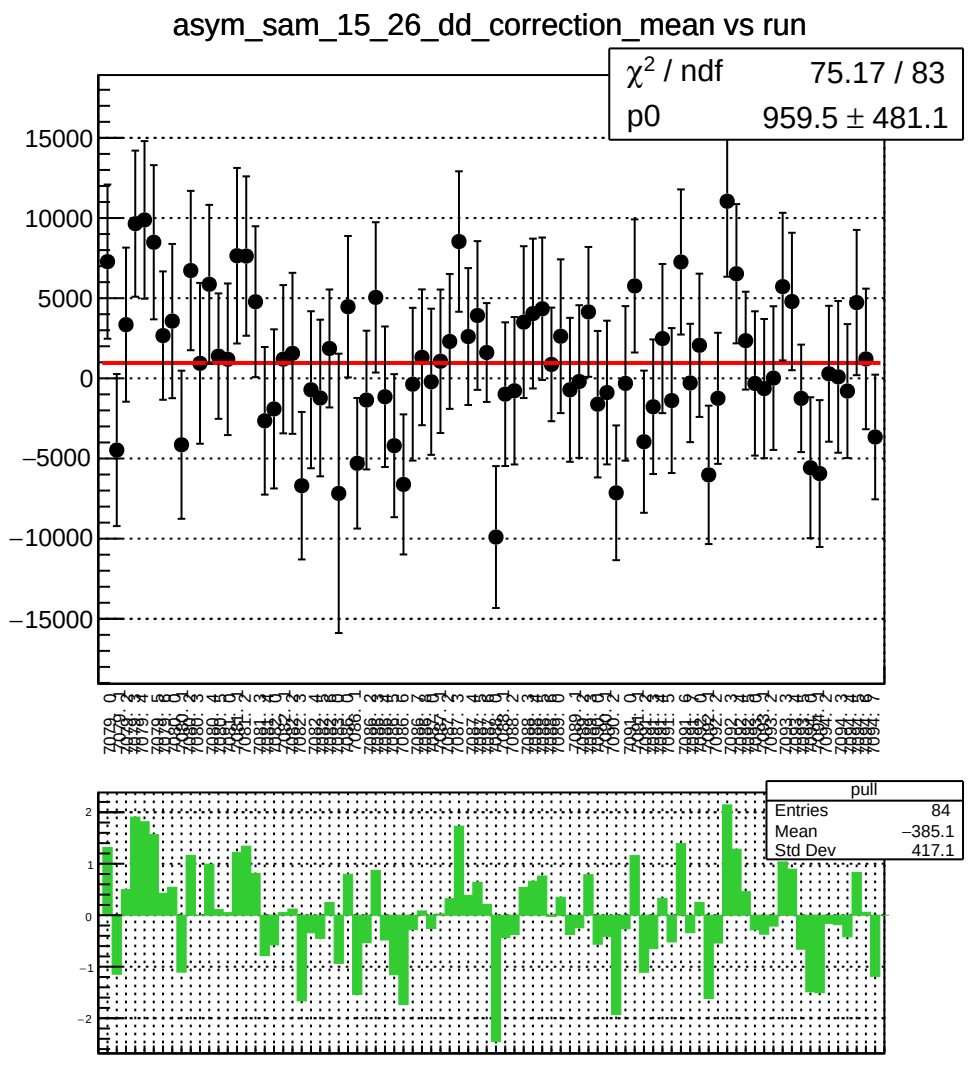

pull1D
Entries 84
Mean 0.01321
Std Dev 1.05

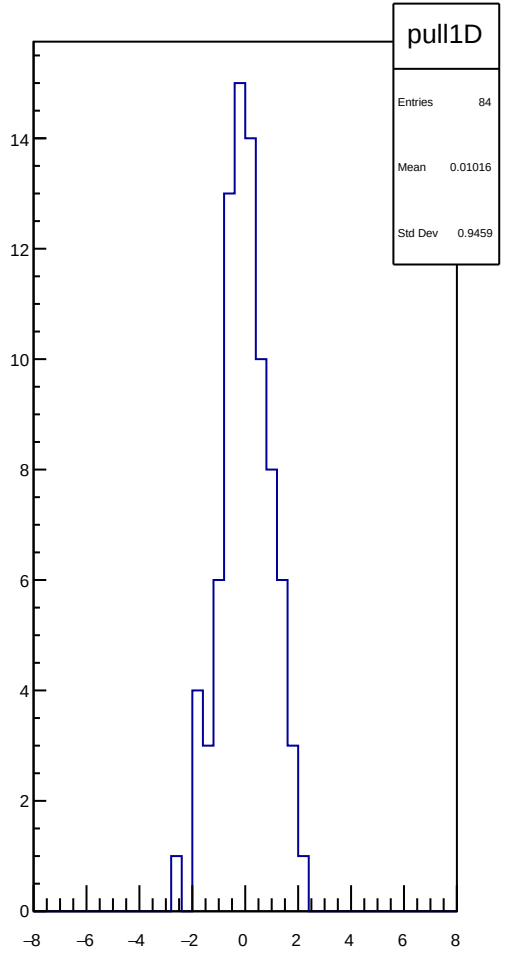

asym_sam_37_48_dd_rms vs run
χ^2 / ndf 5359 / 83
p0 450.2 ± 0.3547
520
500
480
460
440
420
400

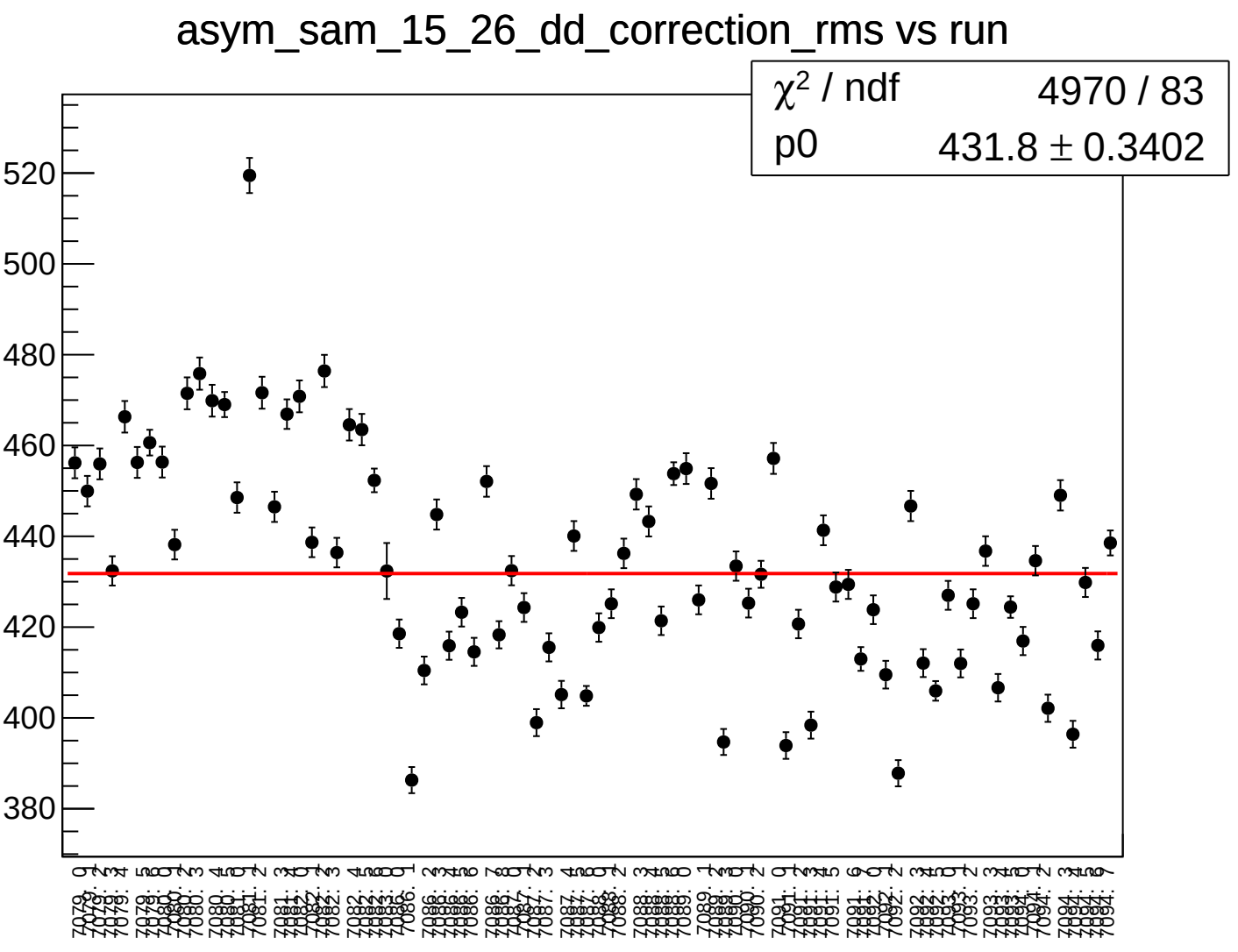

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 94.96 / 83
p0 −90.42 ± 76.66
pull
Entries 84
Mean −383.9
Std Dev 429.2

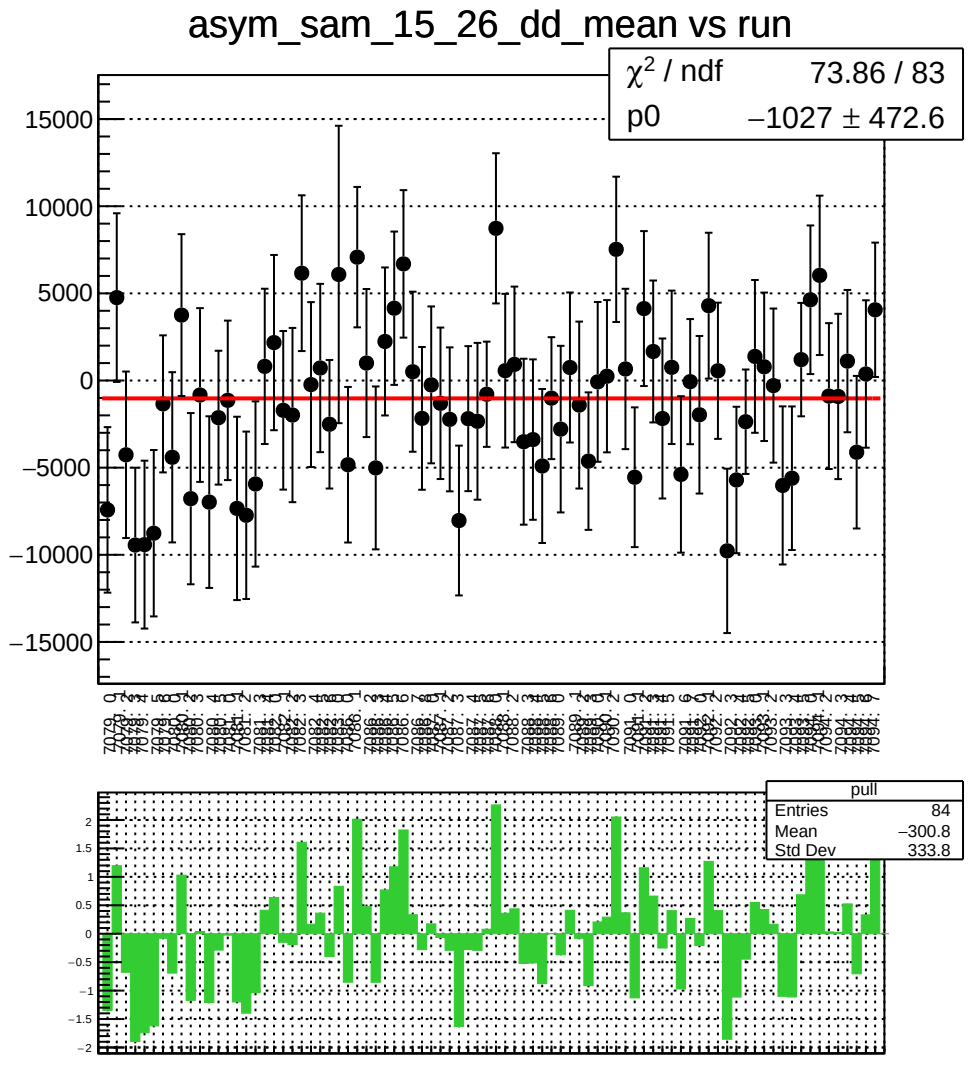

pull1D
Entries 84
Mean −0.007533
Std Dev 1.063

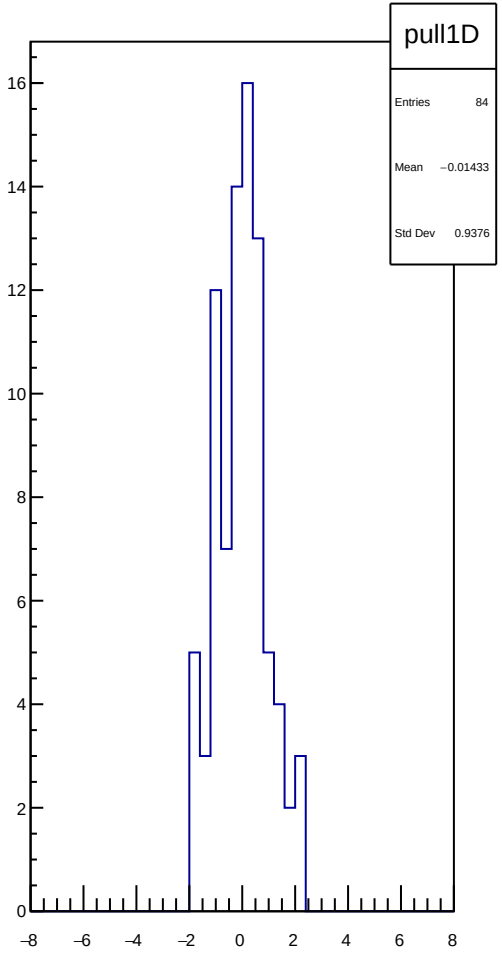

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 614.5 / 83
p0 68.89 ± 0.05421
73
72
71
70
69
68
67
66

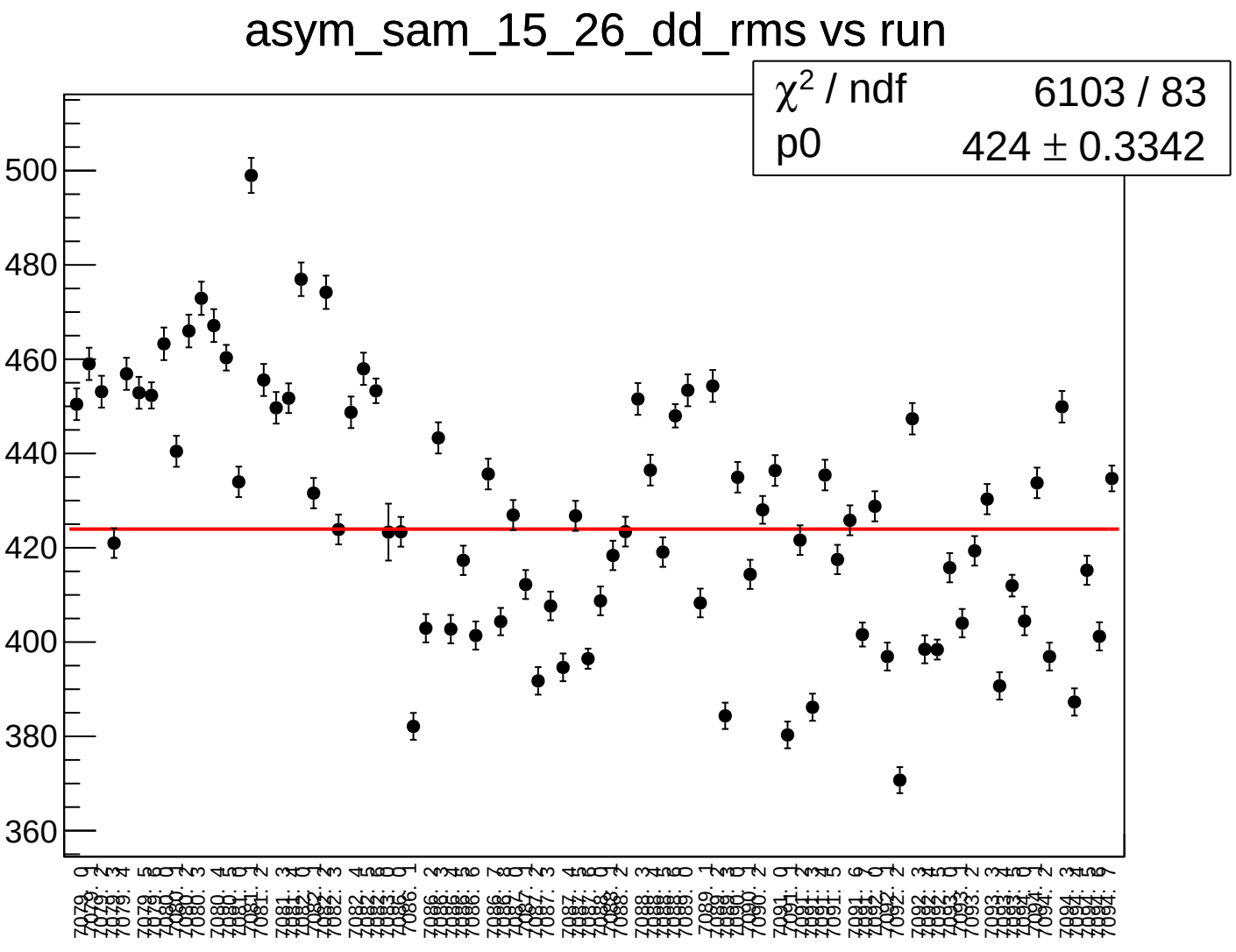

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 75.17 / 83
p0 959.5 ± 481.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −385.1
Std Dev 417.1
2
1
0
−1
−2

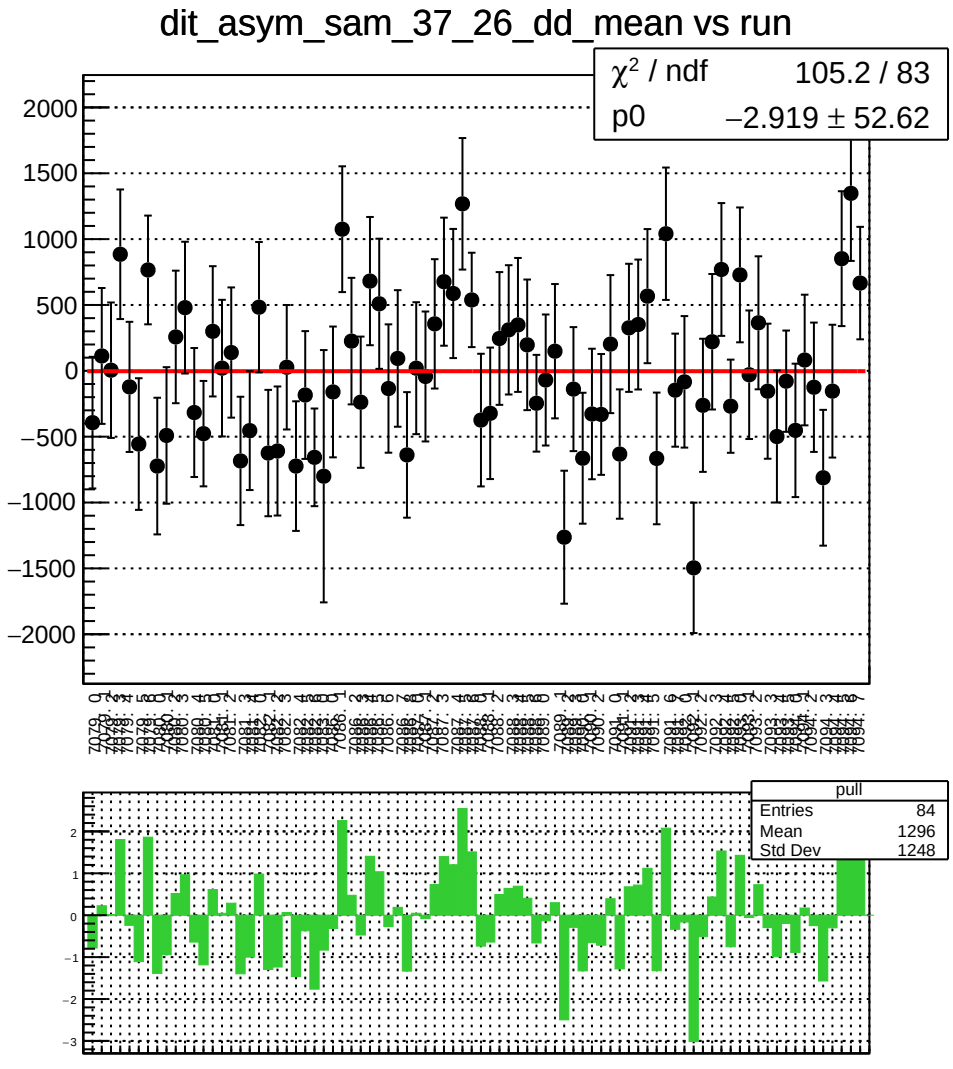

pull1D
Entries 84
Mean 0.01016
Std Dev 0.9459
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

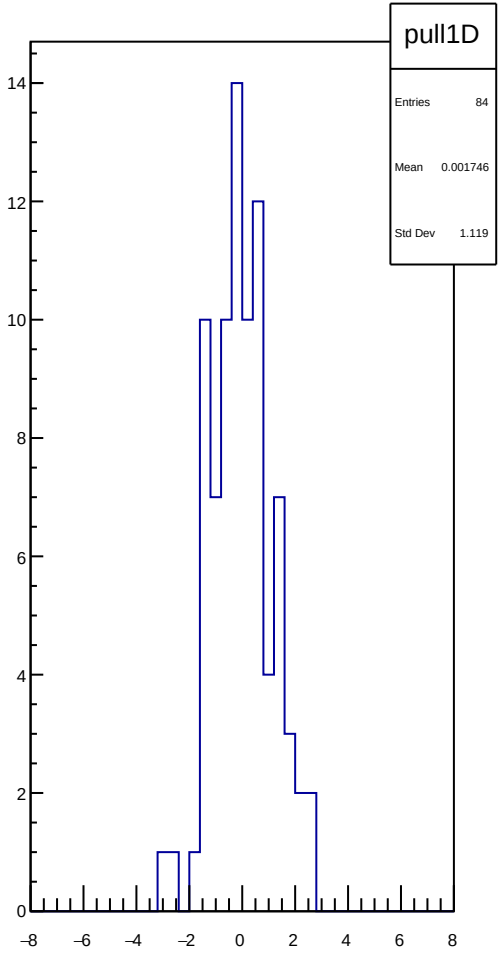

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 4970 / 83
p0 431.8 ± 0.3402
520
500
480
460
440
420
400
380

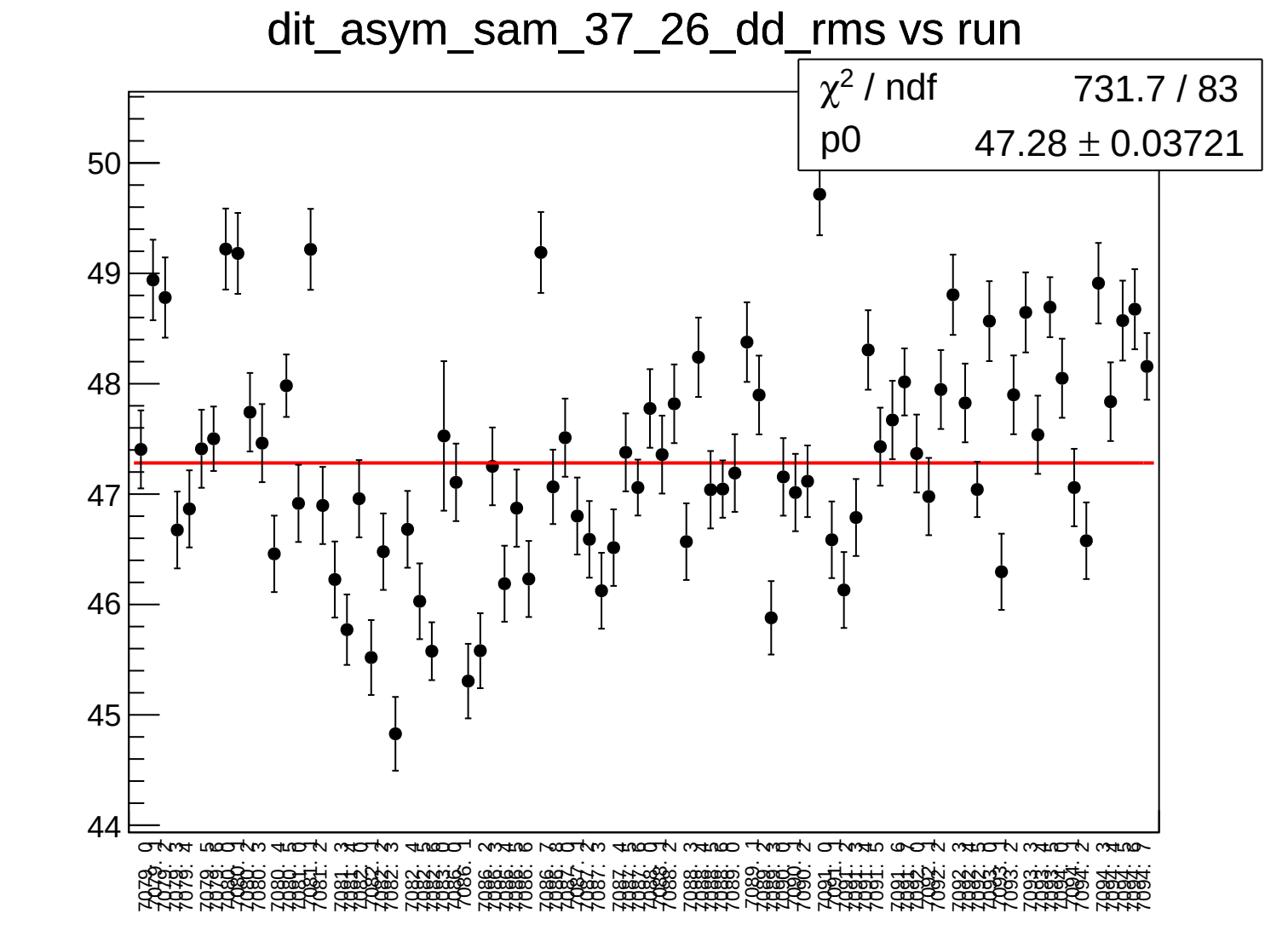

asym_sam_15_26_dd_mean vs run
χ² / ndf 73.86 / 83
p0 −1027 ± 472.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 84
Mean −300.8
Std Dev 333.8
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

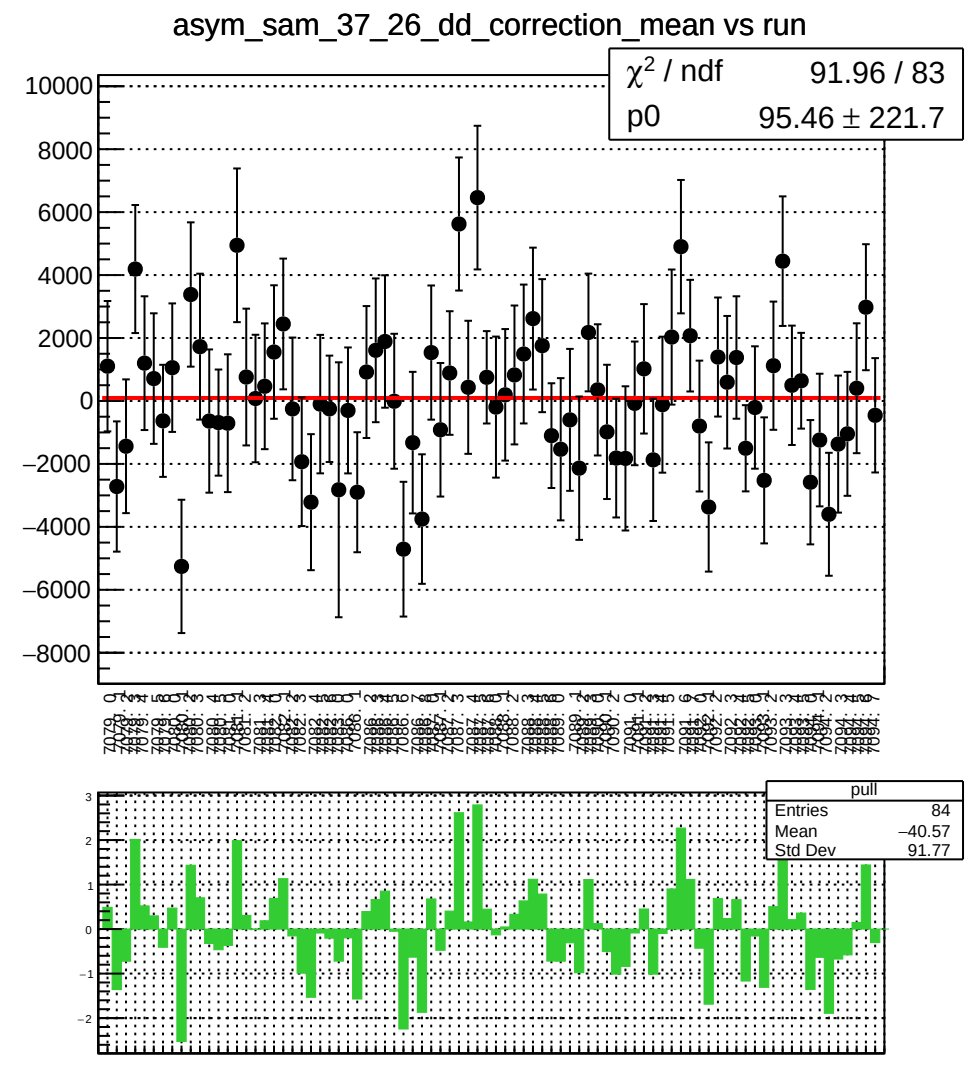

pull1D
Entries 84
Mean −0.01433
Std Dev 0.9376
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

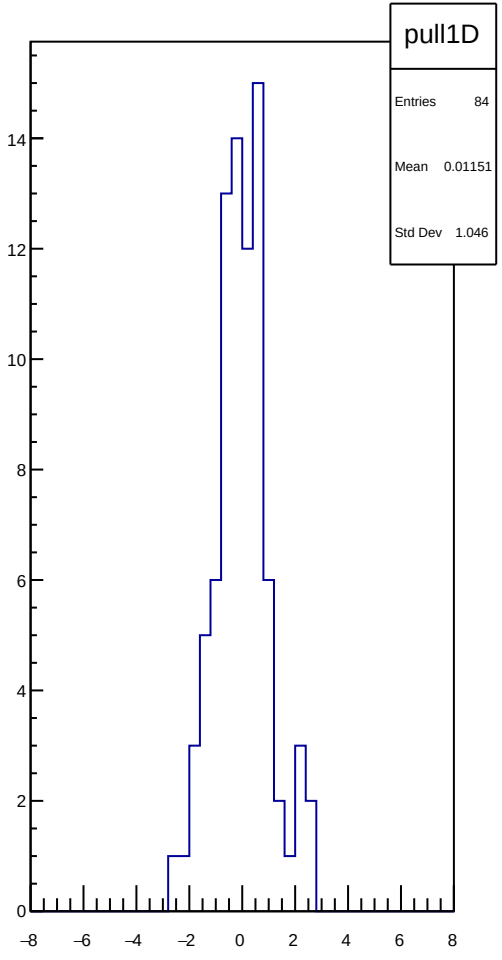

asym_sam_15_26_dd_rms vs run
χ² / ndf 6103 / 83
p0 424 ± 0.3342
500
480
460
440
420
400
380
360

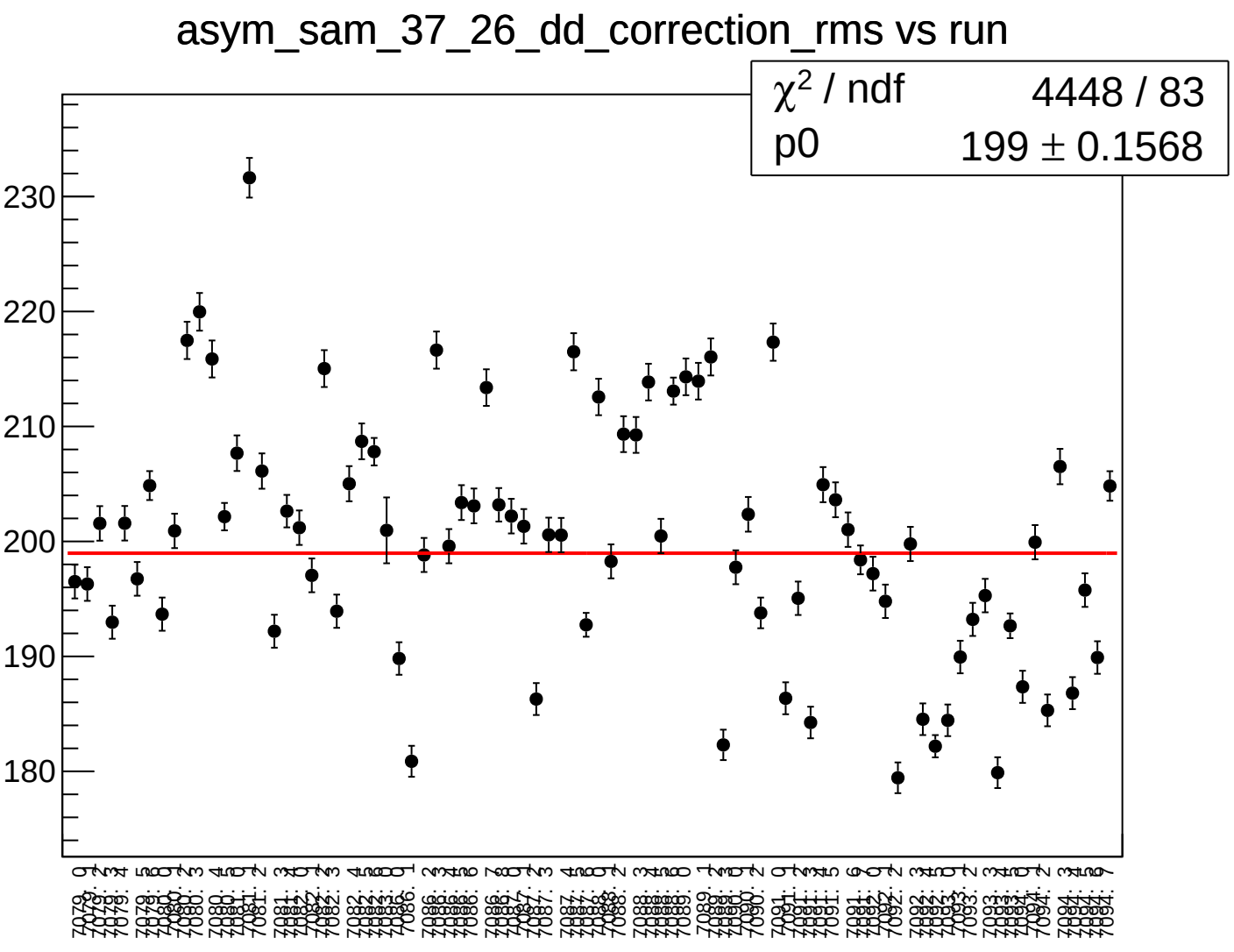

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 105.2 / 83
p0 −2.919 ± 52.62
pull
Entries 84
Mean 1296
Std Dev 1248

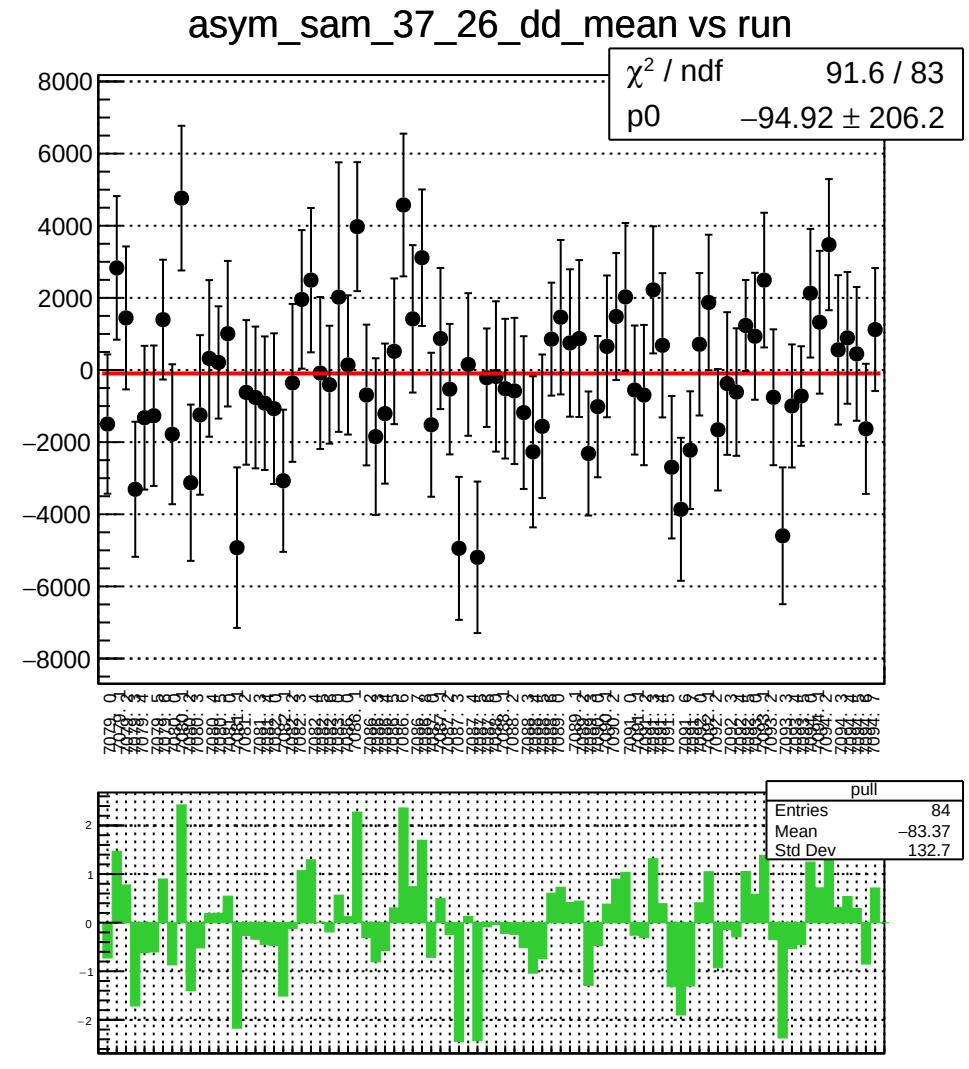

pull1D
Entries 84
Mean 0.001746
Std Dev 1.119

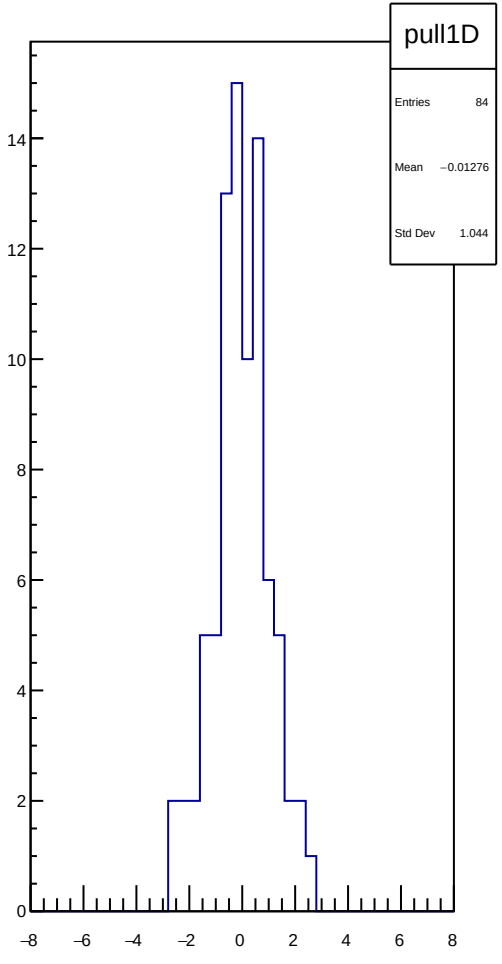

dit_asym_sam_37_26_dd_rms vs run
χ^2 / ndf 731.7 / 83
p0 47.28 ± 0.03721
50
49
48
47
46
45
44

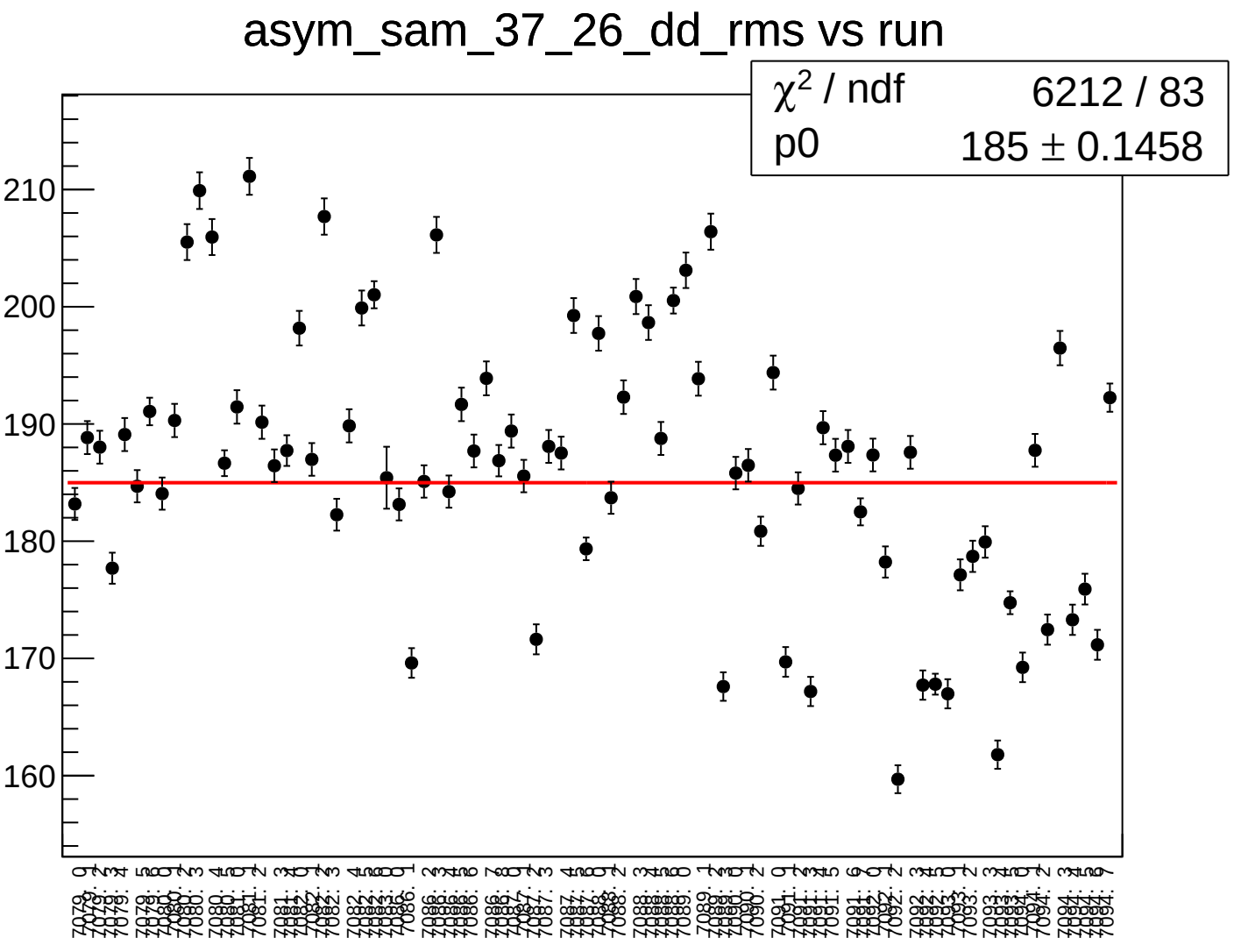

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 91.96 / 83
p0 95.46 ± 221.7
pull
Entries 84
Mean −40.57
Std Dev 91.77

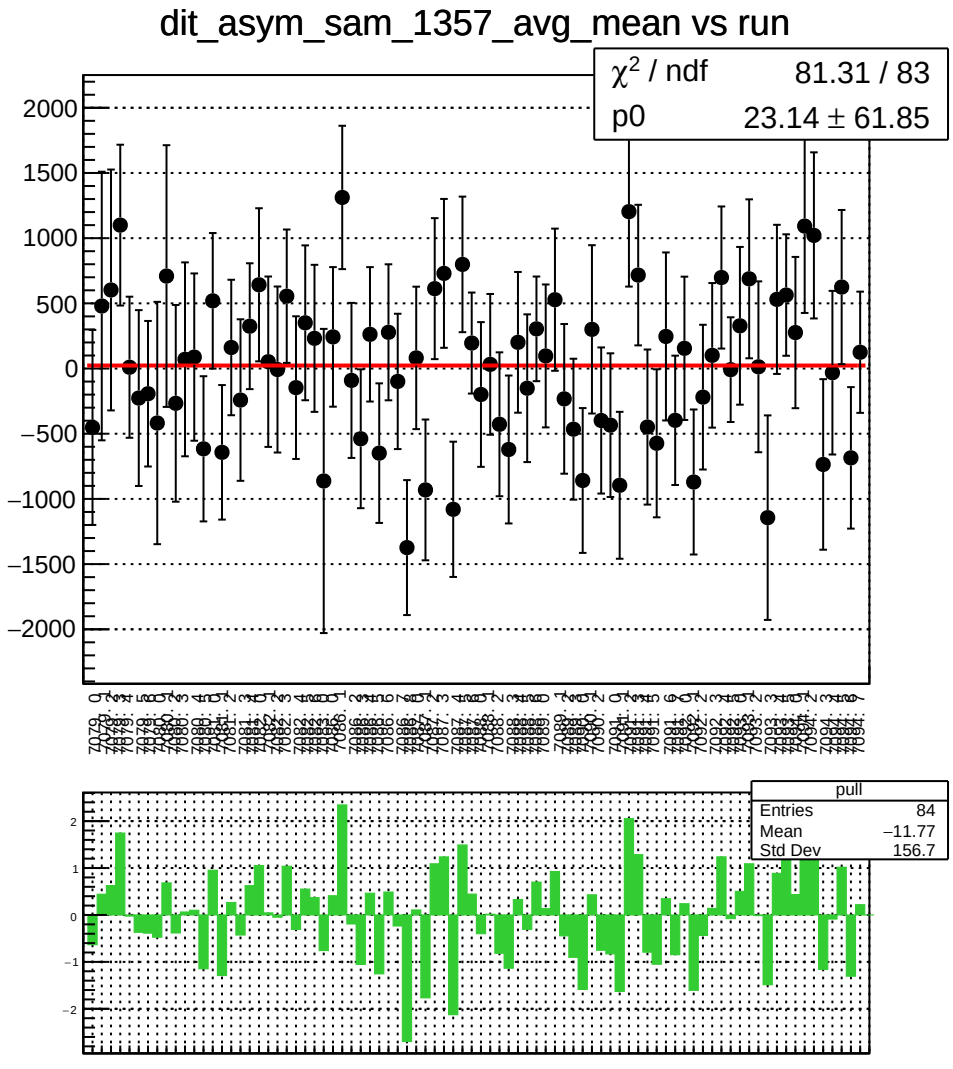

pull1D
Entries 84
Mean 0.01151
Std Dev 1.046

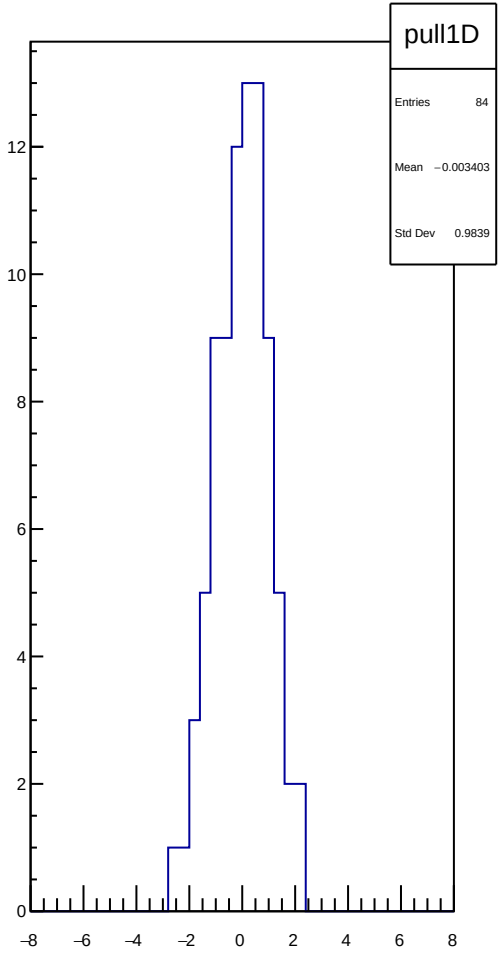

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 4448 / 83
p0 199 ± 0.1568
230
220
210
200
190
180

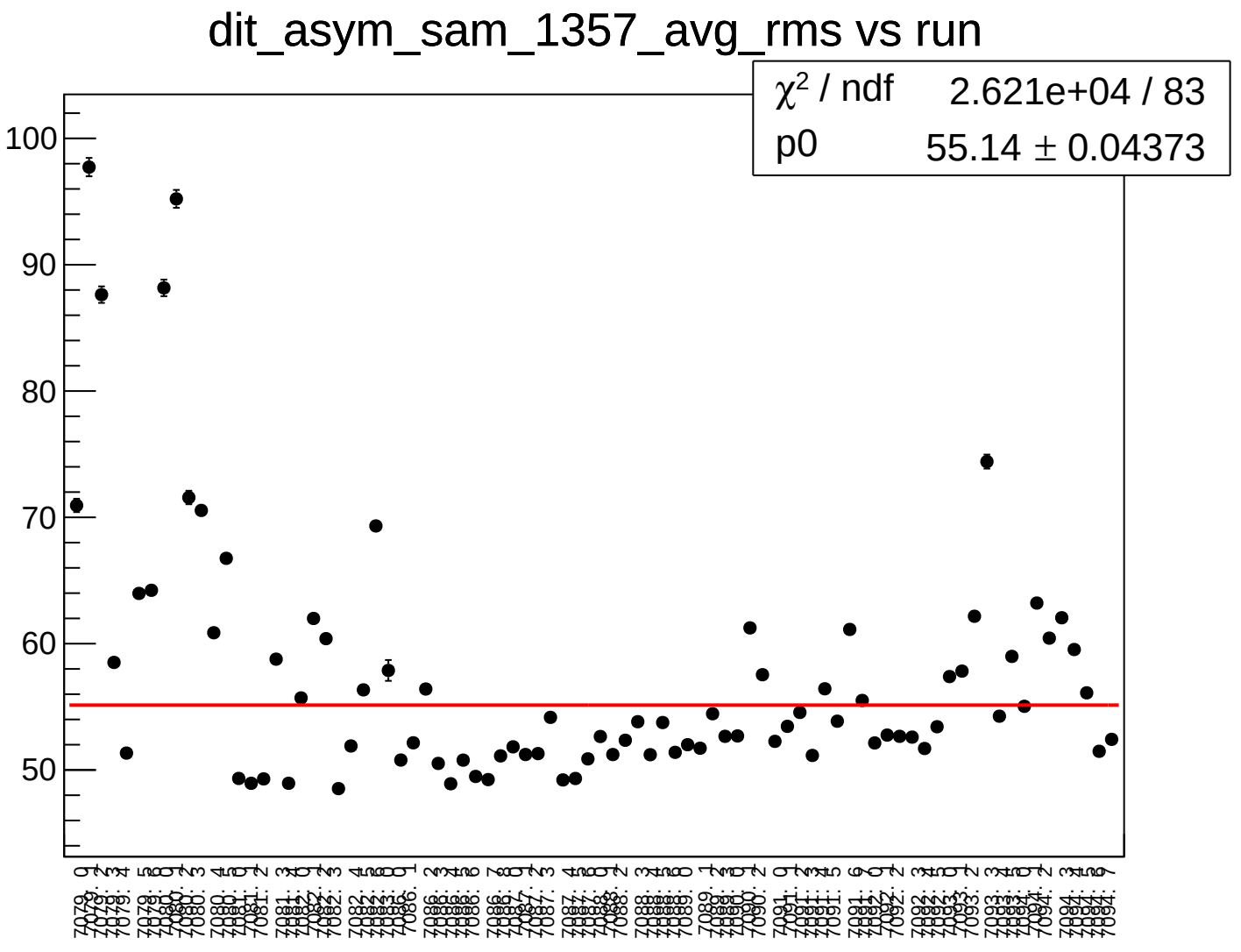

asym_sam_37_26_dd_mean vs run
χ² / ndf 91.6 / 83
p0 −94.92 ± 206.2
pull
Entries 84
Mean −83.37
Std Dev 132.7

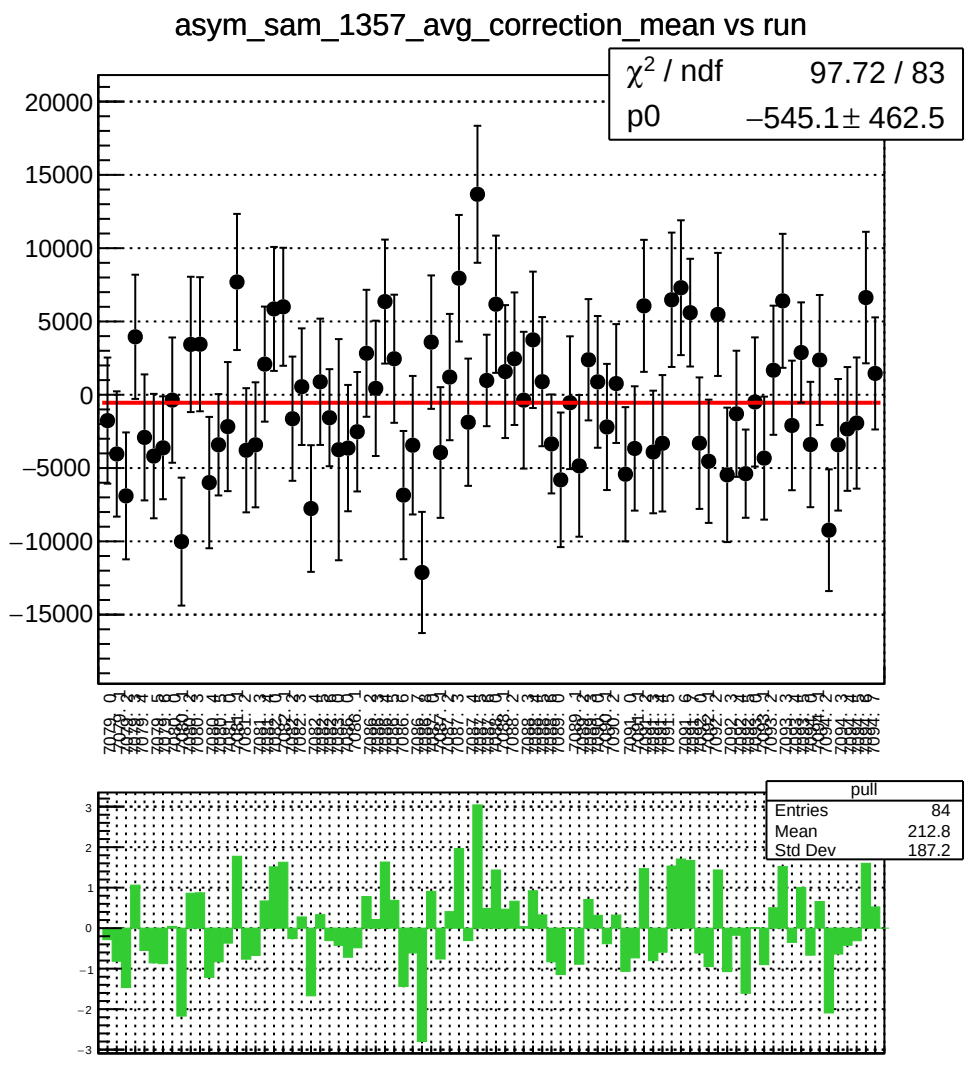

pull1D
Entries 84
Mean −0.01276
Std Dev 1.044

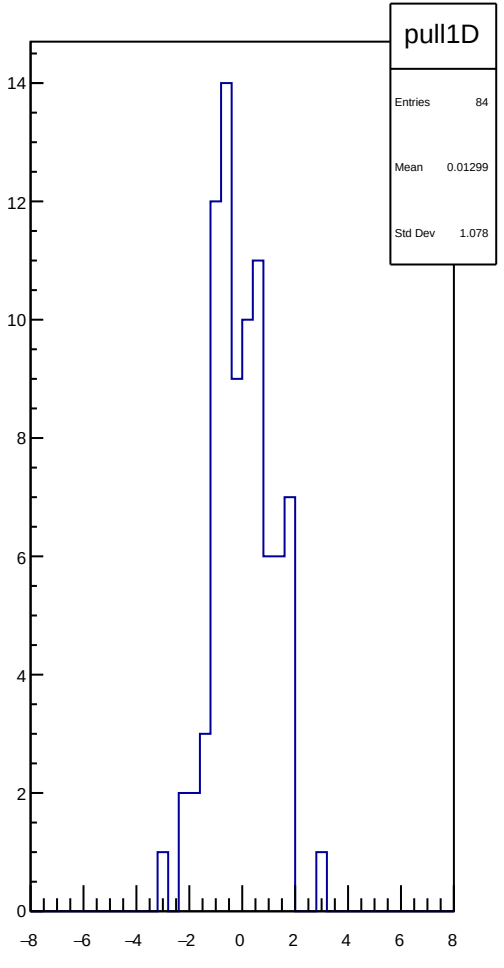

asym_sam_37_26_dd_rms vs run
χ² / ndf 6212 / 83
p0 185 ± 0.1458
210
200
190
180
170
160

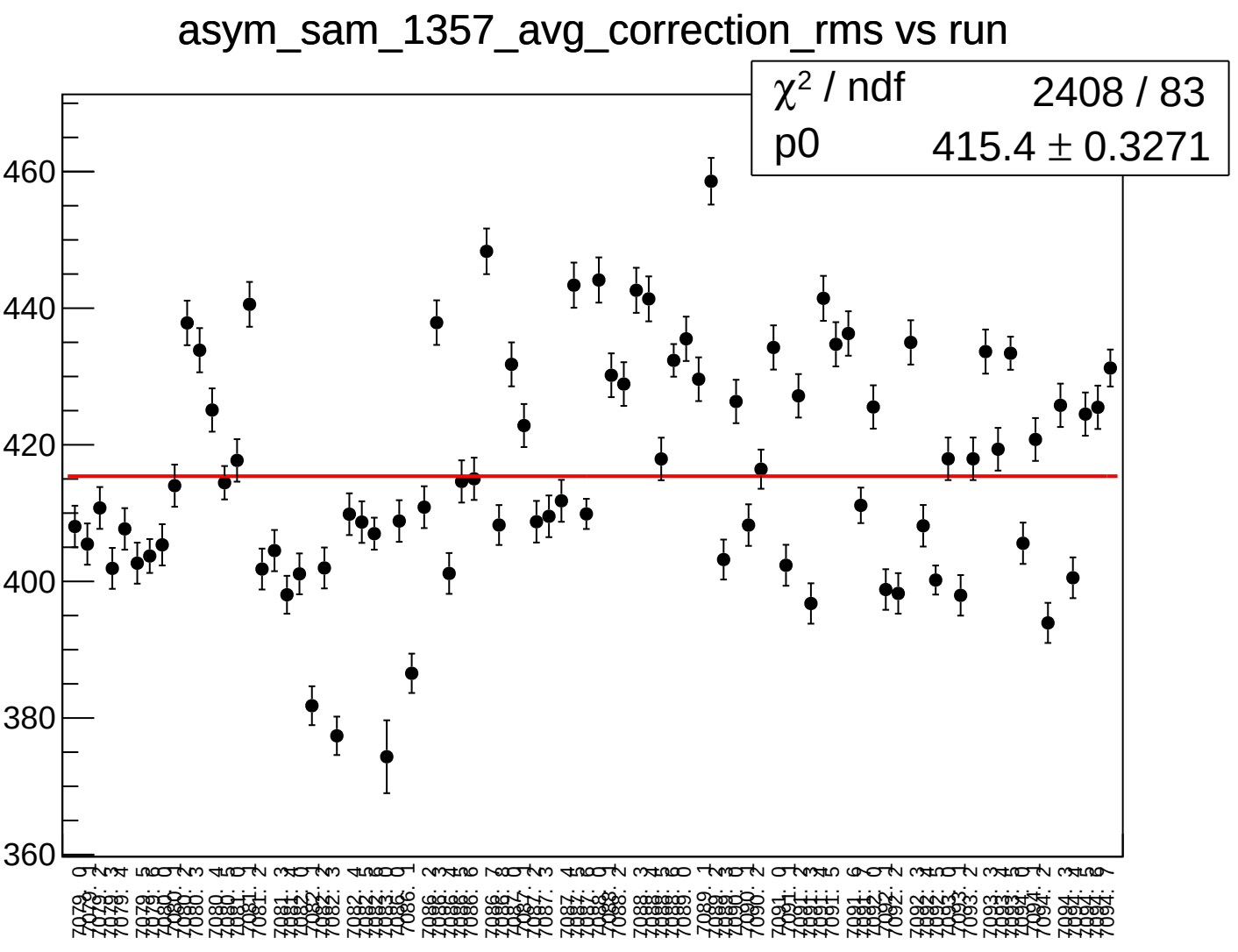

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 81.31 / 83
p0 23.14 ± 61.85
pull
Entries 84
Mean −11.77
Std Dev 156.7

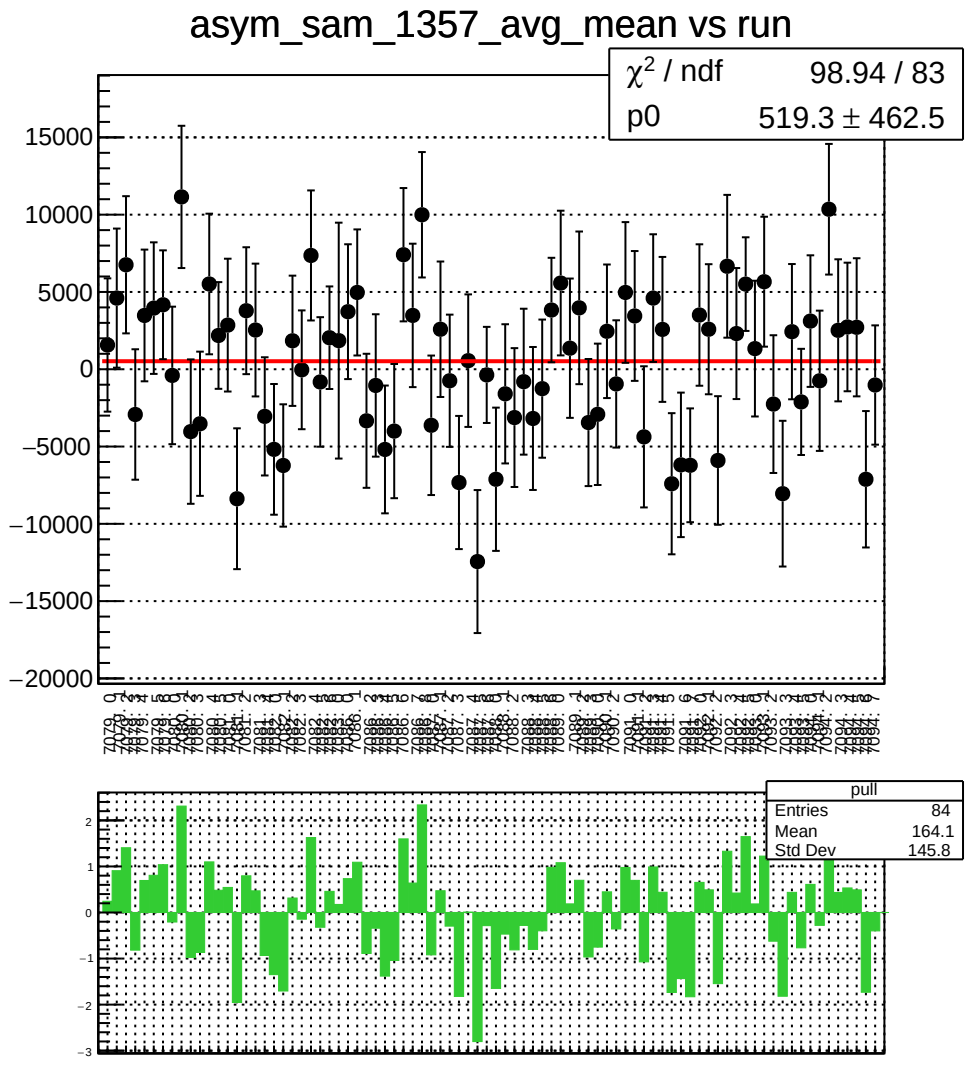

pull1D
Entries 84
Mean −0.003403
Std Dev 0.9839

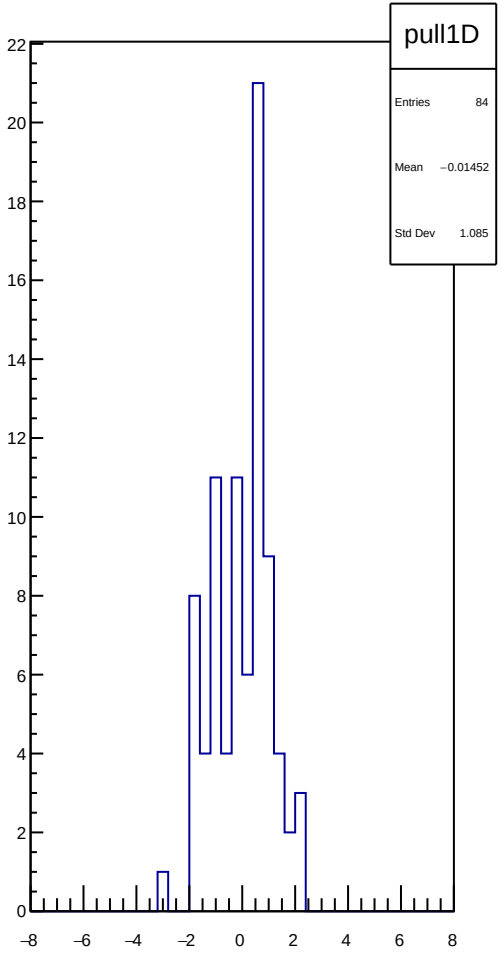

dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 2.621e+04 / 83
p0 55.14 ± 0.04373
100
90
80
70
60
50

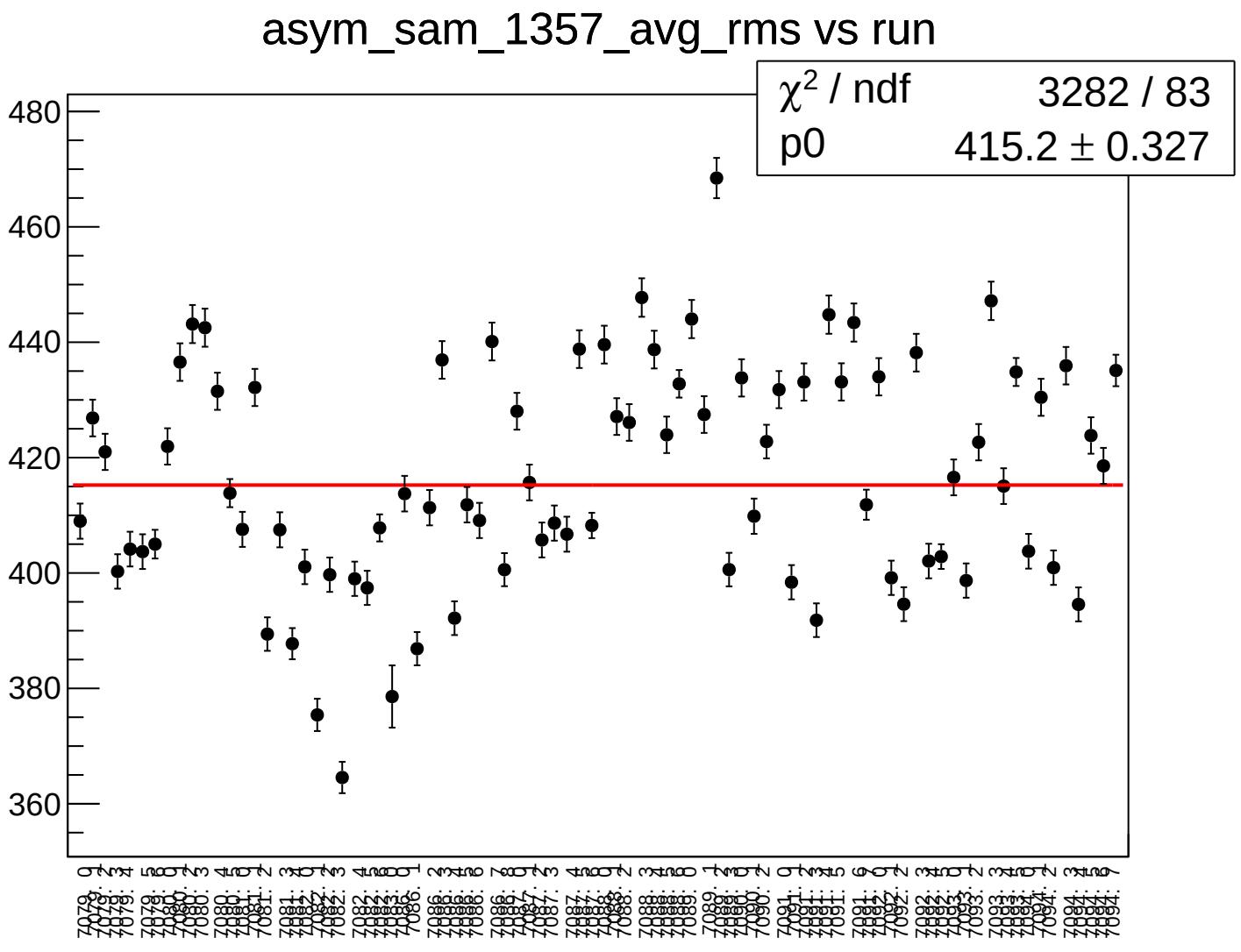

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 97.72 / 83
p0 −545.1± 462.5
pull
Entries 84
Mean 212.8
Std Dev 187.2

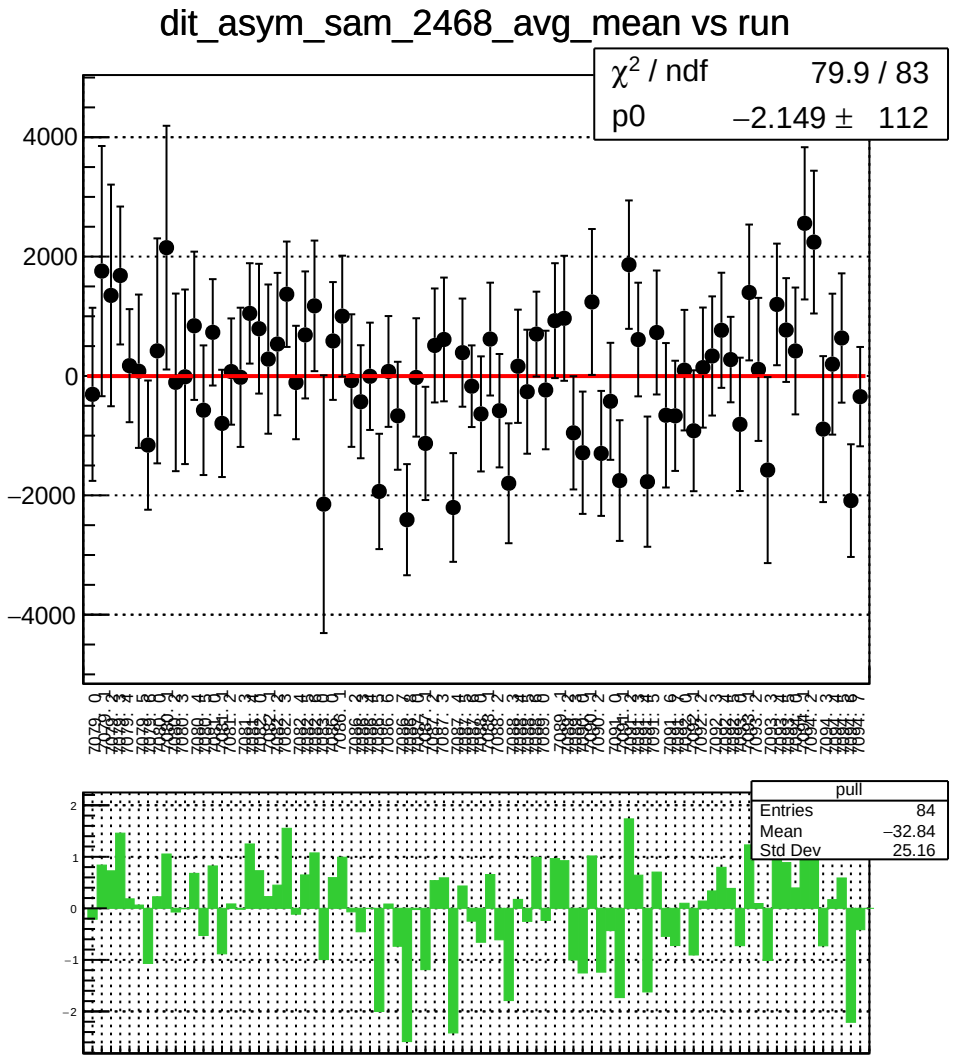

pull1D
Entries 84
Mean 0.01299
Std Dev 1.078

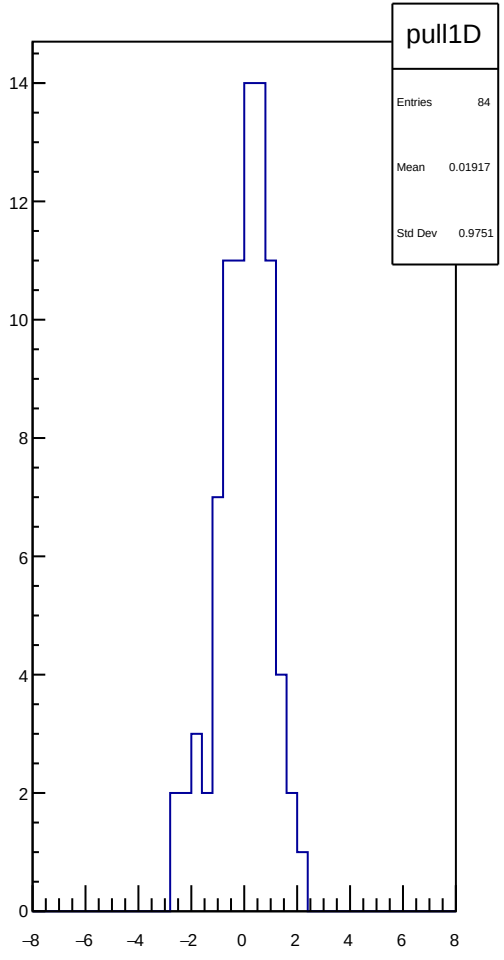

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 2408 / 83
p0 415.4 ± 0.3271
460
440
420
400
380
360

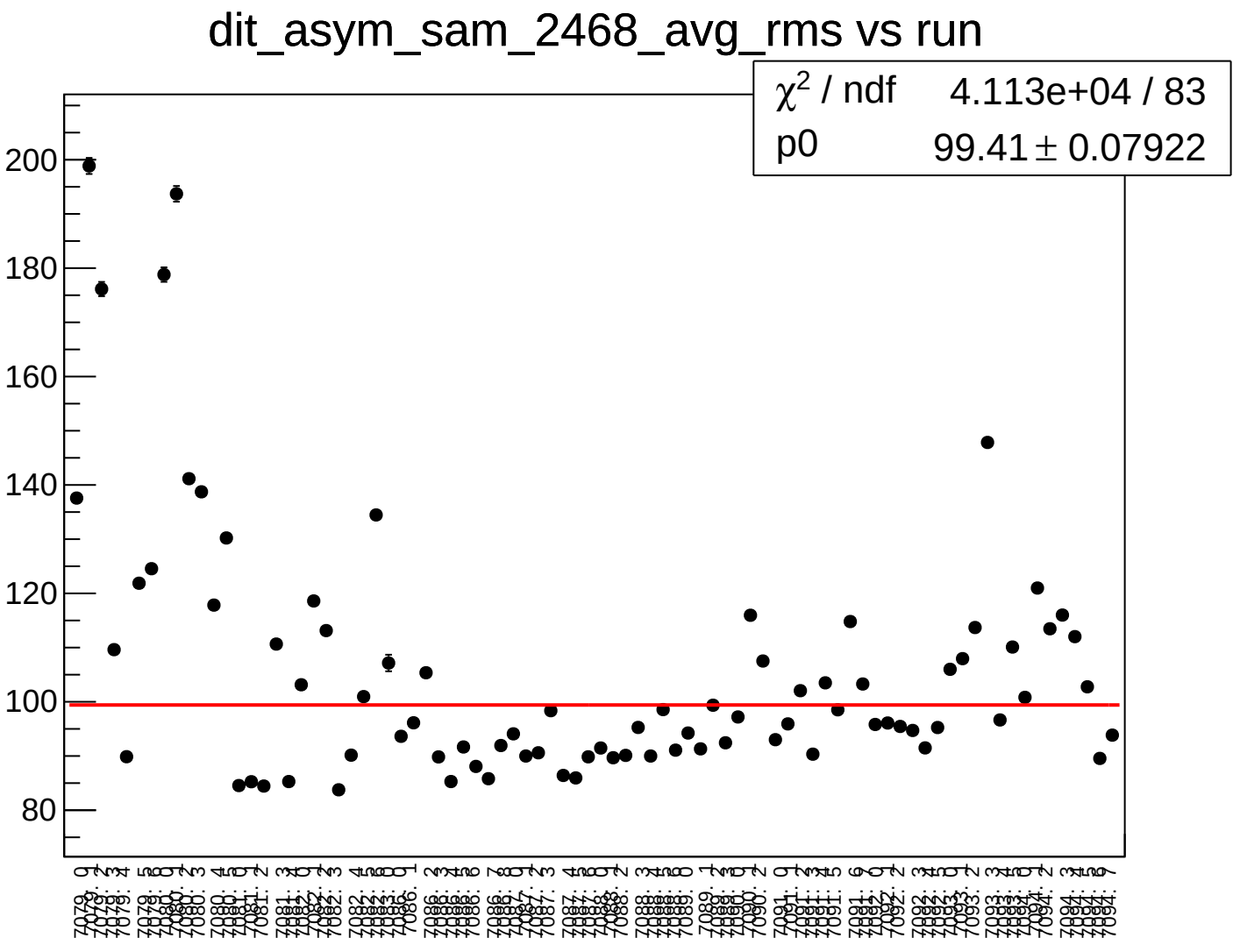

asym_sam_1357_avg_mean vs run
χ² / ndf 98.94 / 83
p0 519.3 ± 462.5
pull
Entries 84
Mean 164.1
Std Dev 145.8

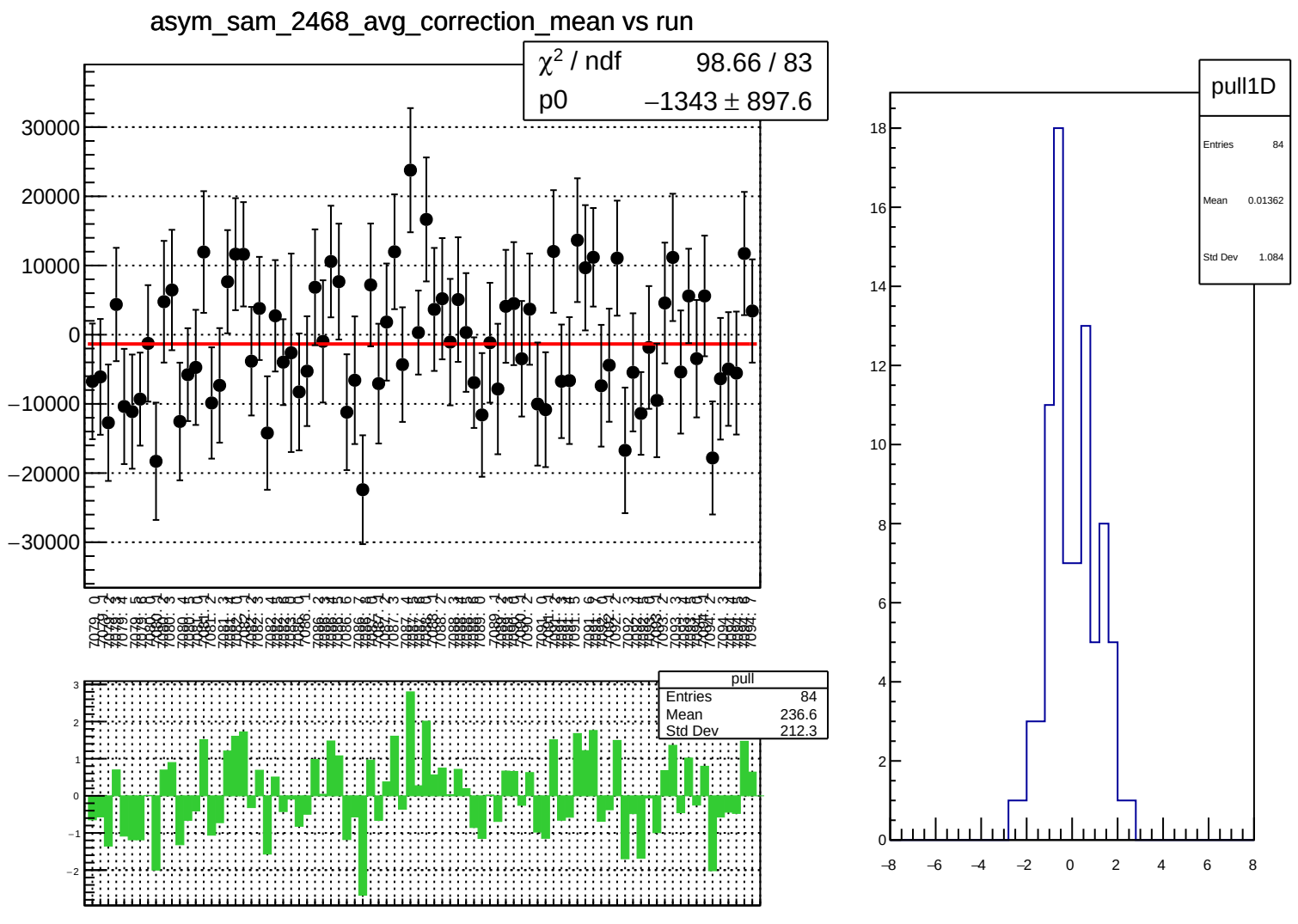

pull1D
Entries 84
Mean −0.01452
Std Dev 1.085

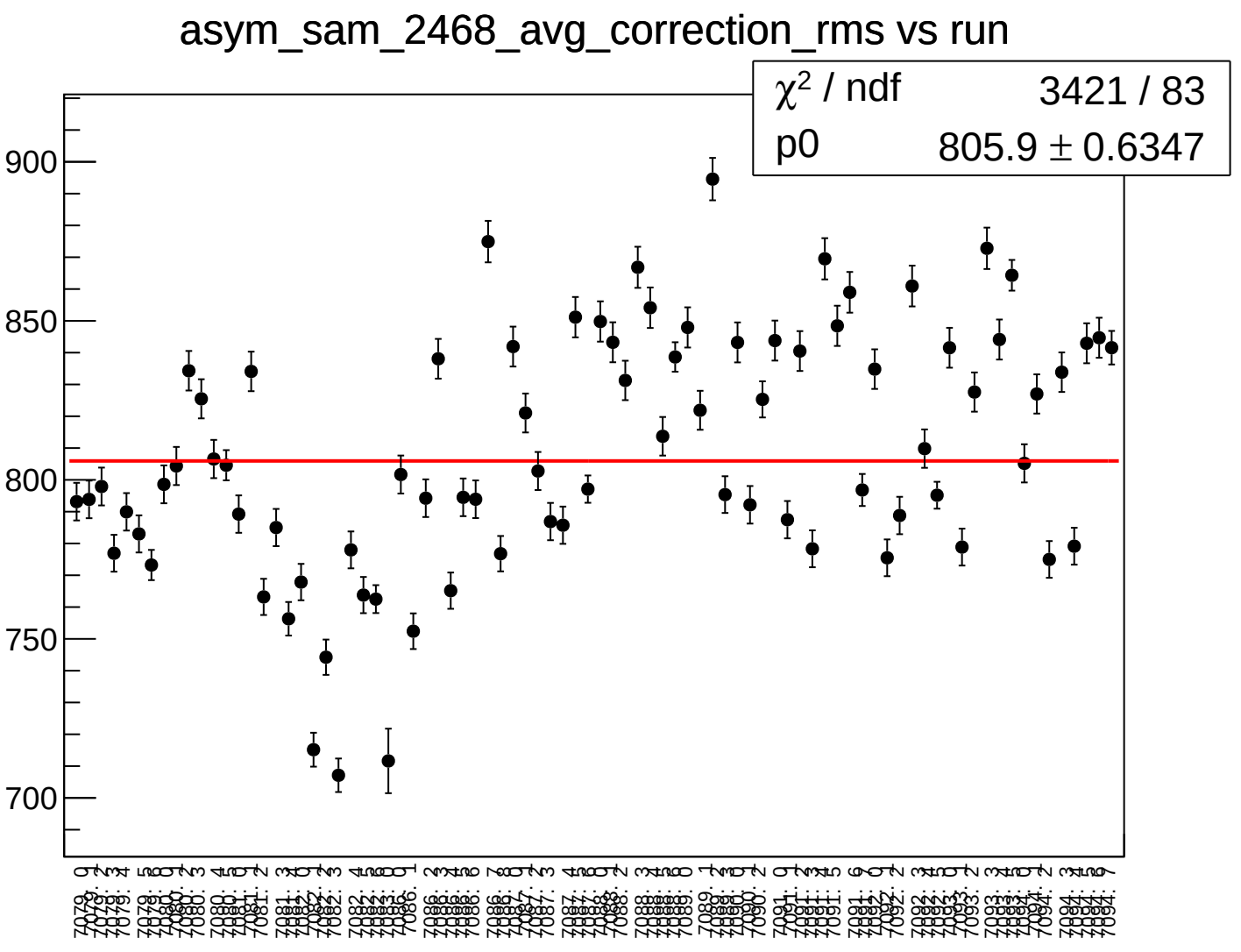

asym_sam_1357_avg_rms vs run
χ² / ndf 3282 / 83
p0 415.2 ± 0.327
480
460
440
420
400
380
360

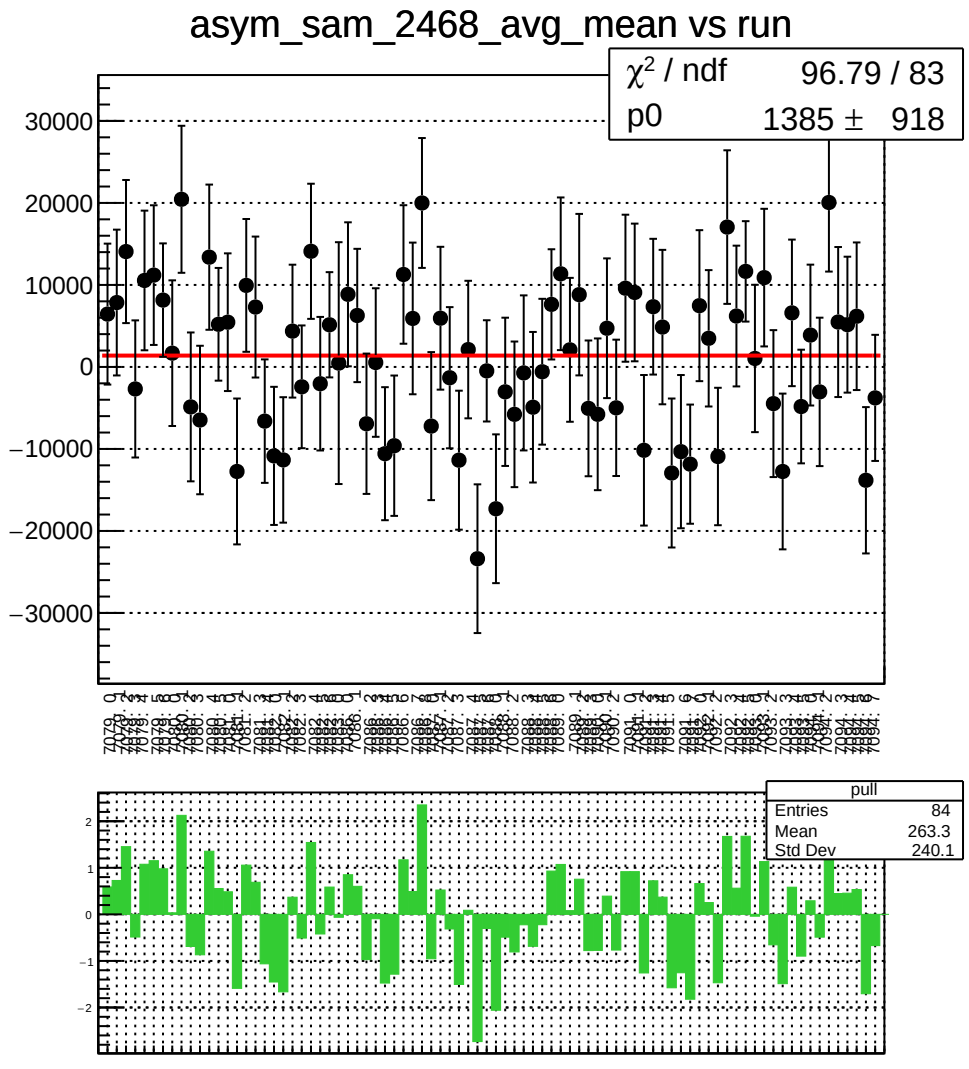

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 79.9 / 83
p0 −2.149 ± 112
4000
2000
0
−2000
−4000
pull
Entries 84
Mean −32.84
Std Dev 25.16
2
1
0
−1
−2

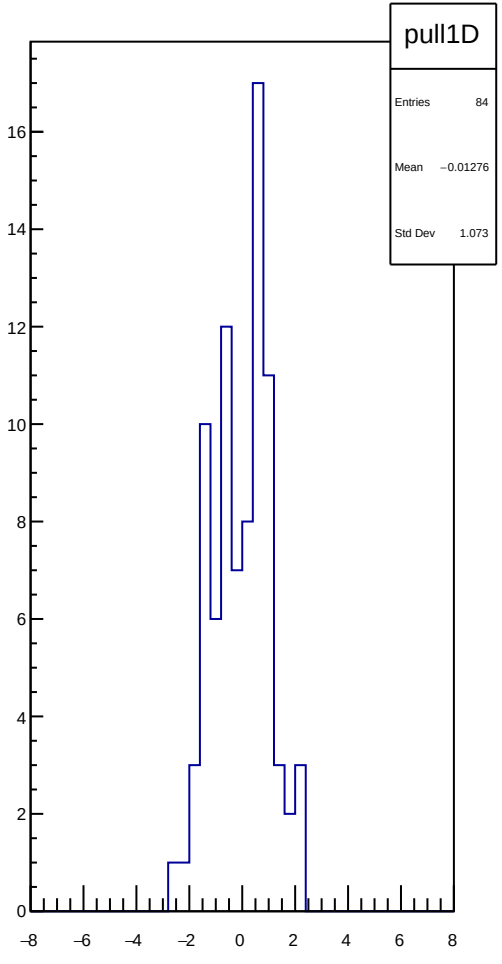

pull1D
Entries 84
Mean 0.01917
Std Dev 0.9751
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

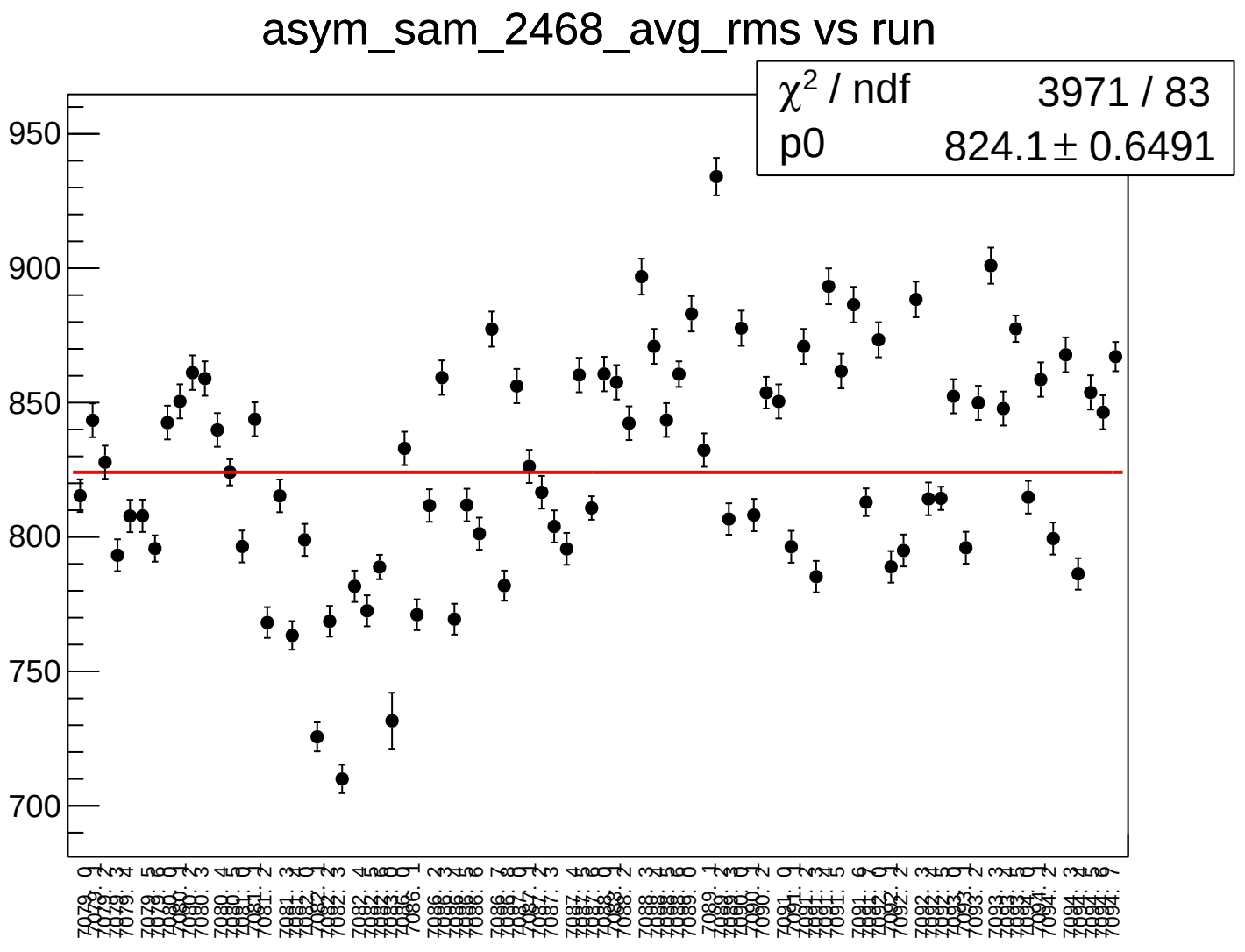

dit_asym_sam_2468_avg_rms vs run
χ^2 / ndf 4.113e+04 / 83
p0 99.41 ± 0.07922
200
180
160
140
120
100
80

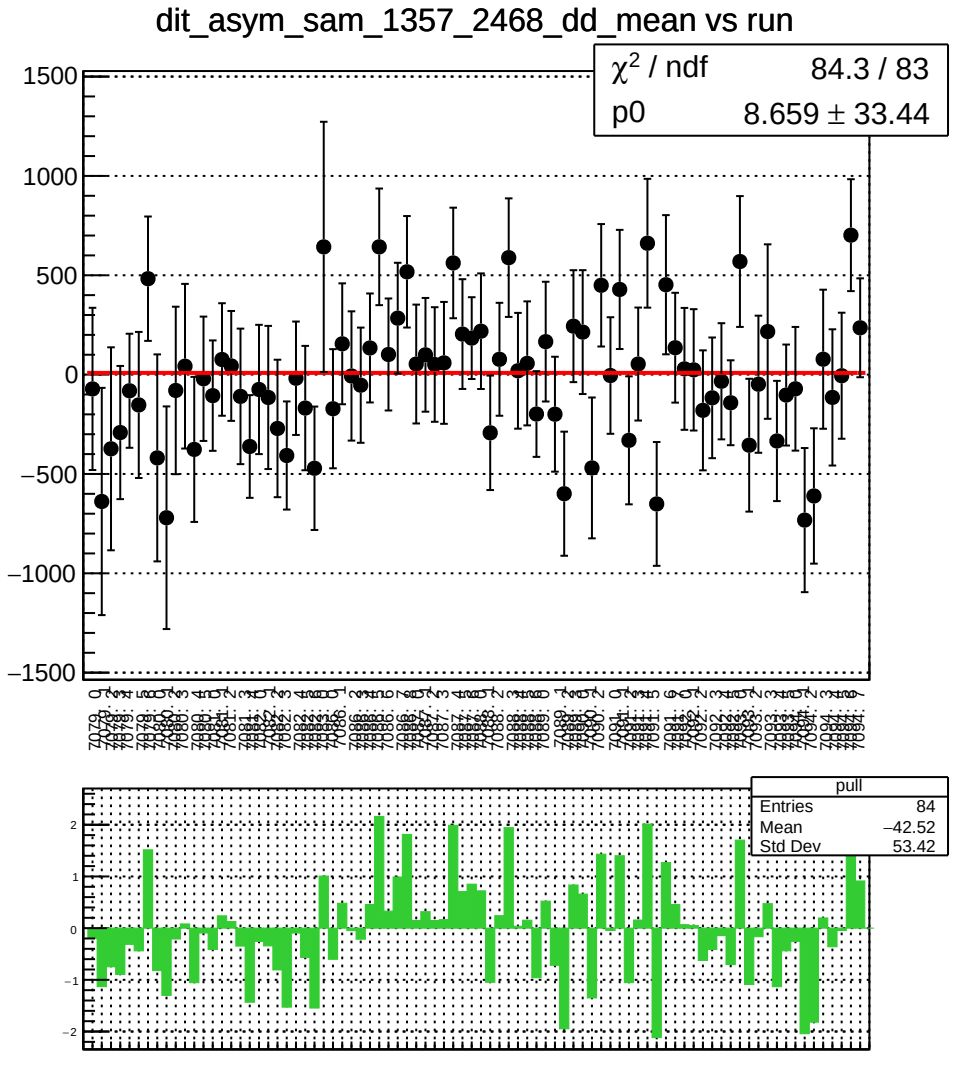

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 98.66 / 83
p0 −1343 ± 897.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 236.6
Std Dev 212.3
3
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.01362
Std Dev 1.084
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

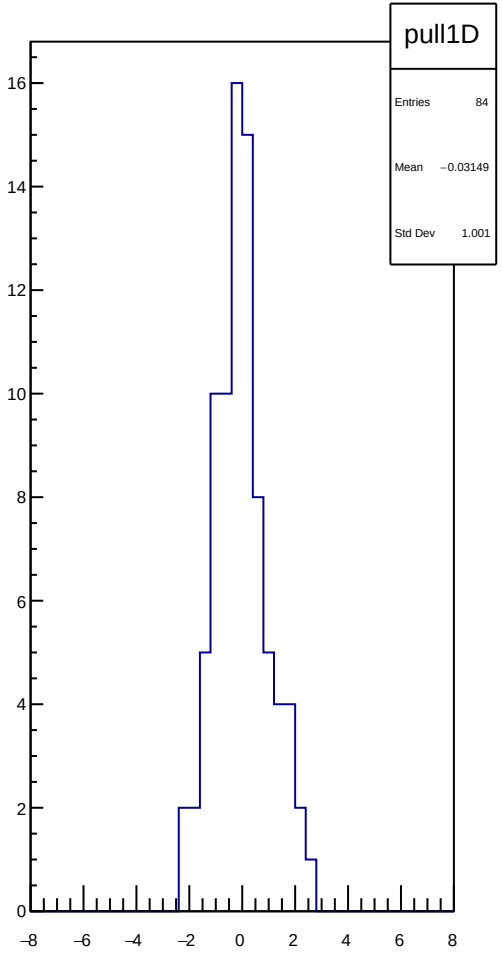

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 3421 / 83
p0 805.9 ± 0.6347
900
850
800
750
700

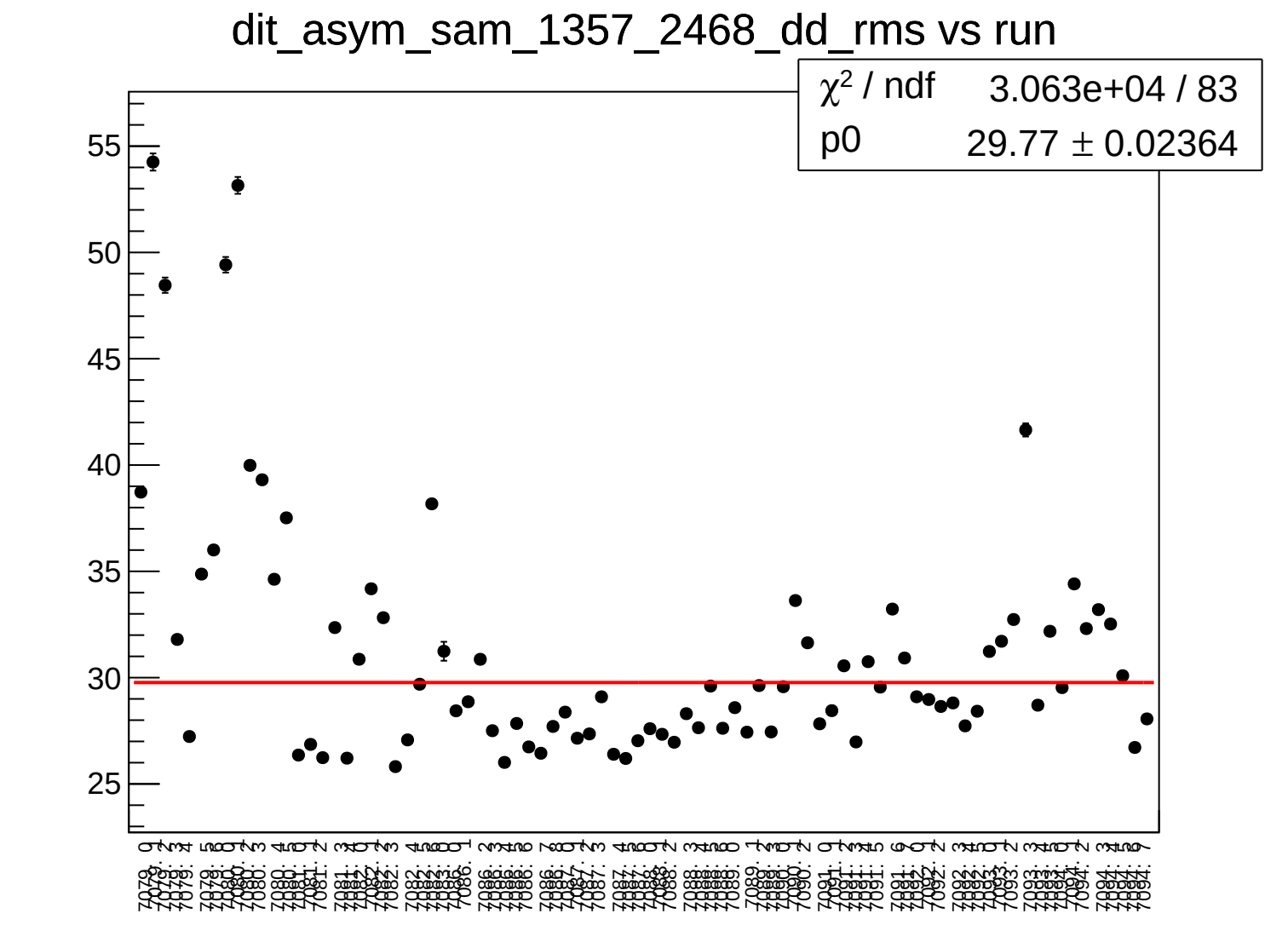

asym_sam_2468_avg_mean vs run
χ² / ndf 96.79 / 83
p0 1385 ± 918
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 84
Mean 263.3
Std Dev 240.1
2
1
0
−1
−2

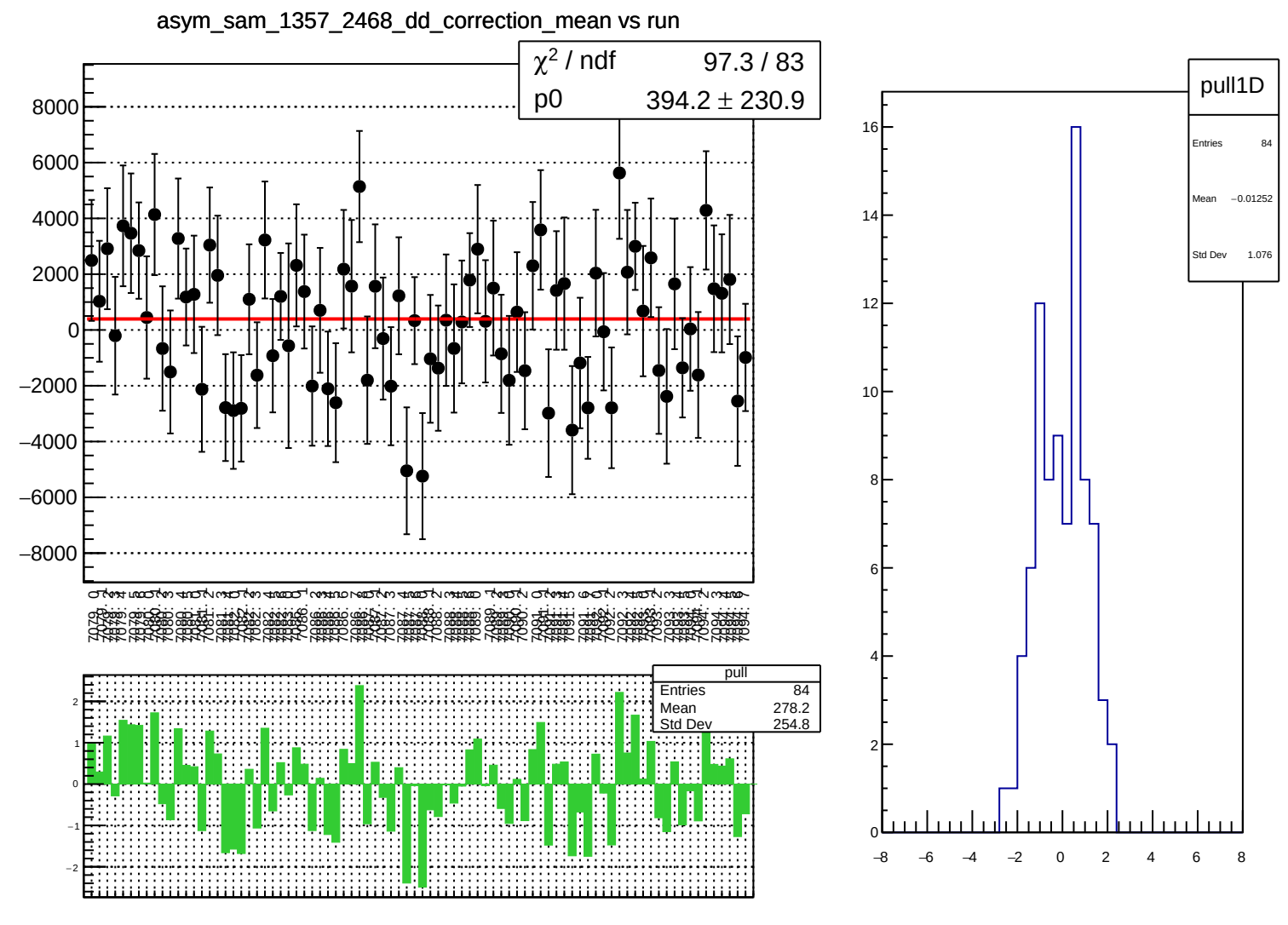

pull1D
Entries 84
Mean −0.01276
Std Dev 1.073
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

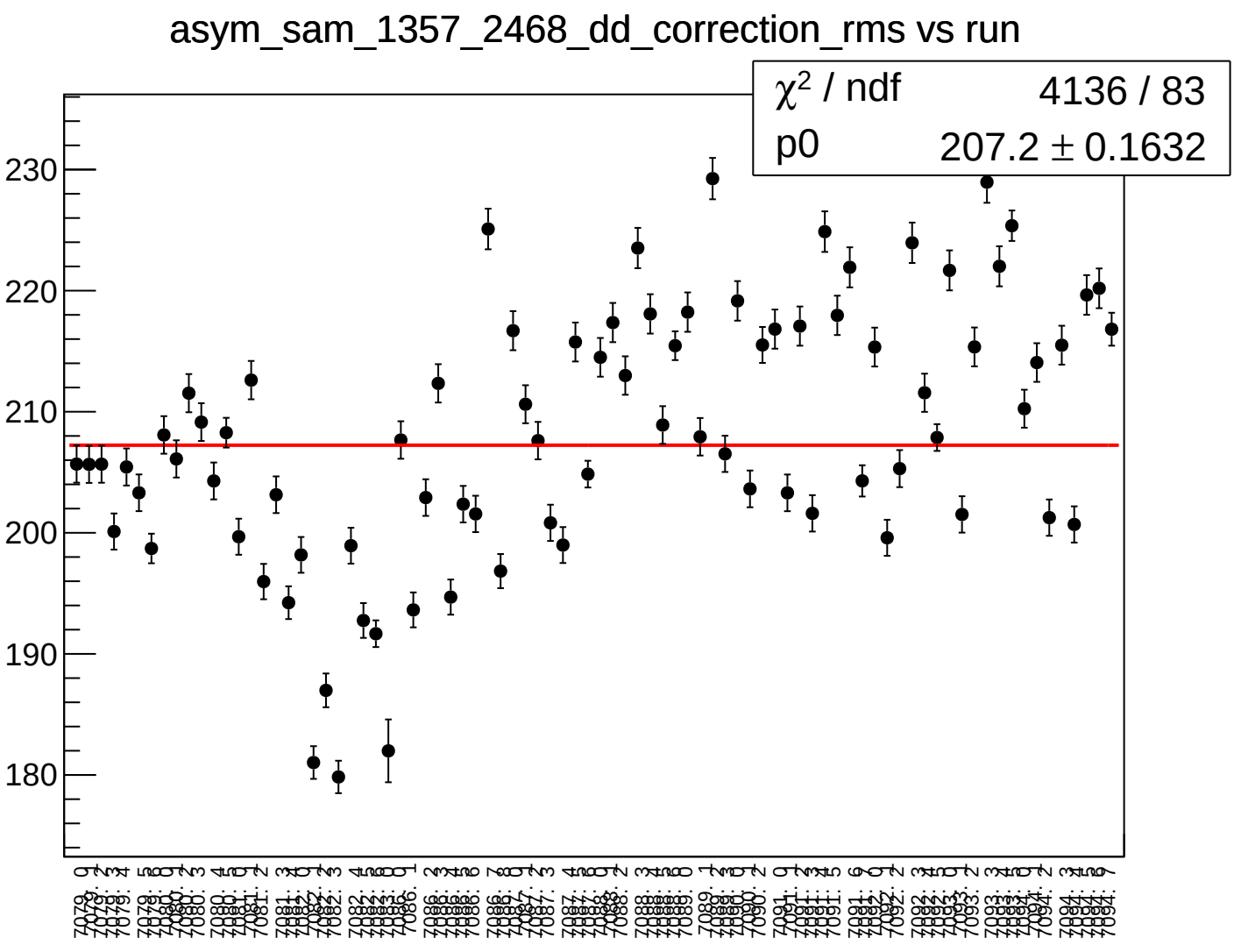

asym_sam_2468_avg_rms vs run
χ² / ndf 3971 / 83
p0 824.1 ± 0.6491
950
900
850
800
750
700

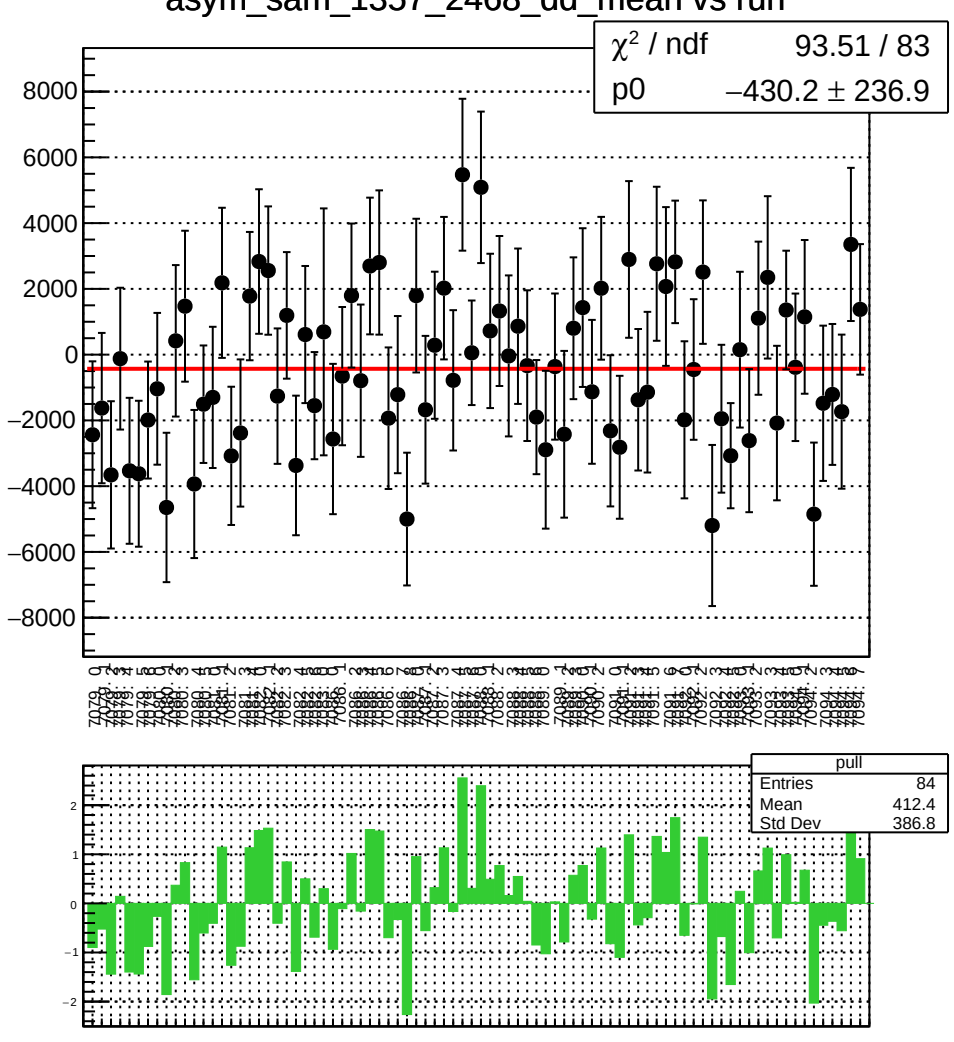

dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 84.3 / 83
p0 8.659 ± 33.44
pull
Entries 84
Mean −42.52
Std Dev 53.42

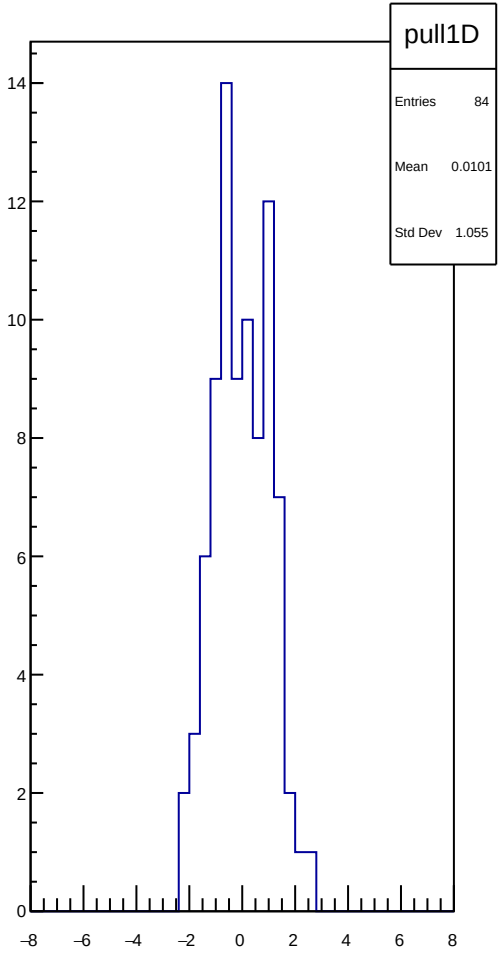

pull1D
Entries 84
Mean −0.03149
Std Dev 1.001

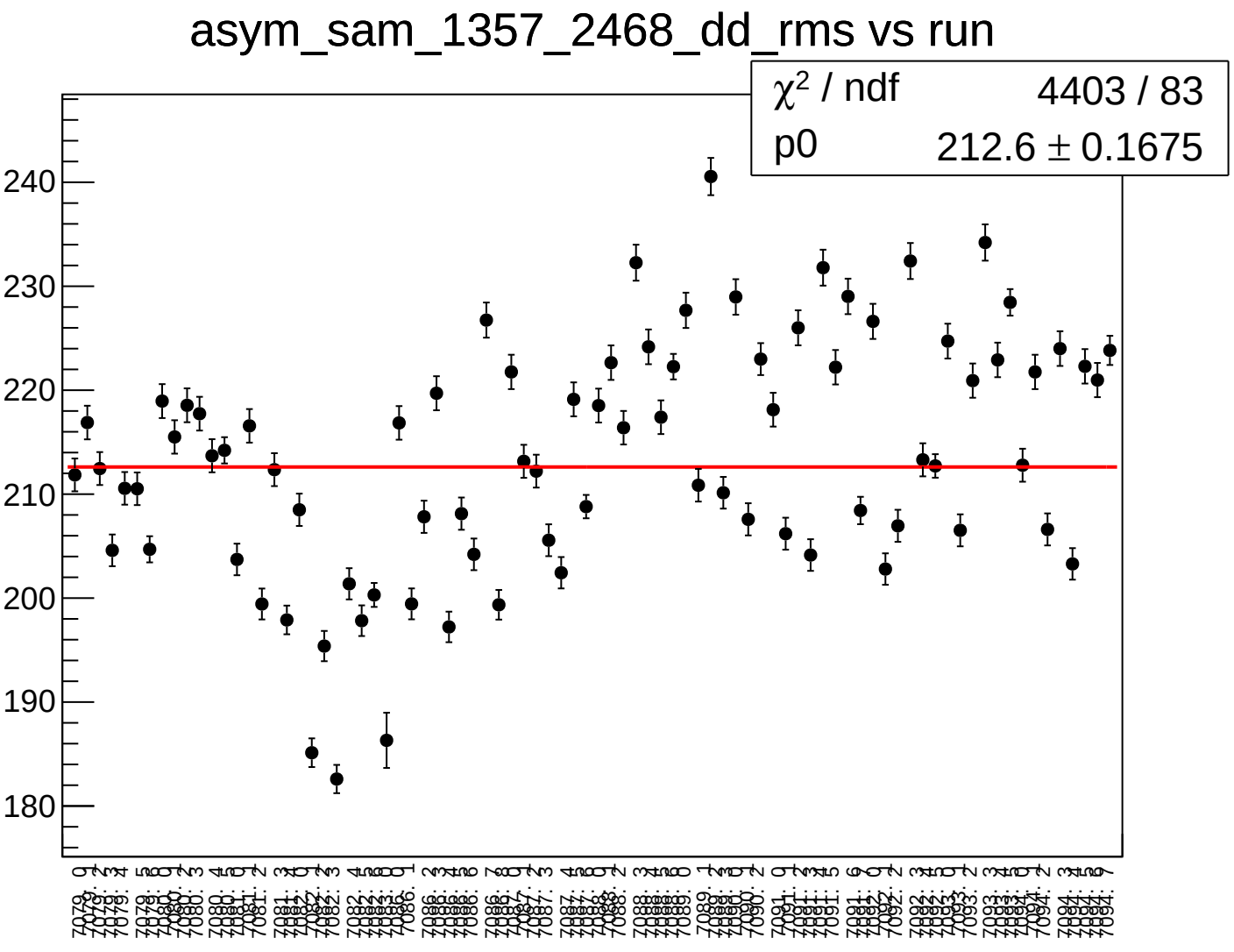

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3.063e+04 / 83
p0 29.77 ± 0.02364
55
50
45
40
35
30
25

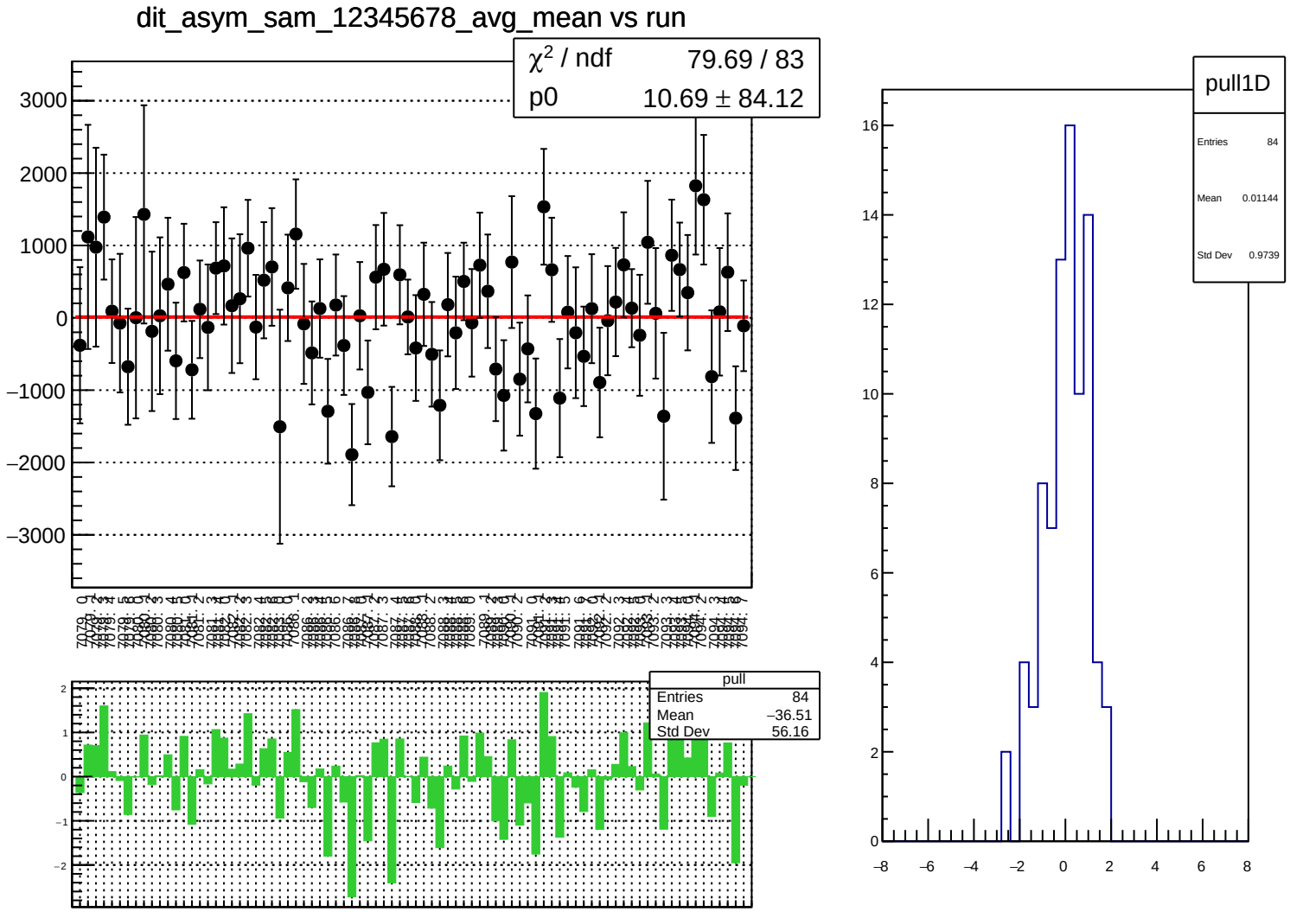

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 97.3 / 83
p0 394.2 ± 230.9
pull
Entries 84
Mean 278.2
Std Dev 254.8
pull1D
Entries 84
Mean −0.01252
Std Dev 1.076

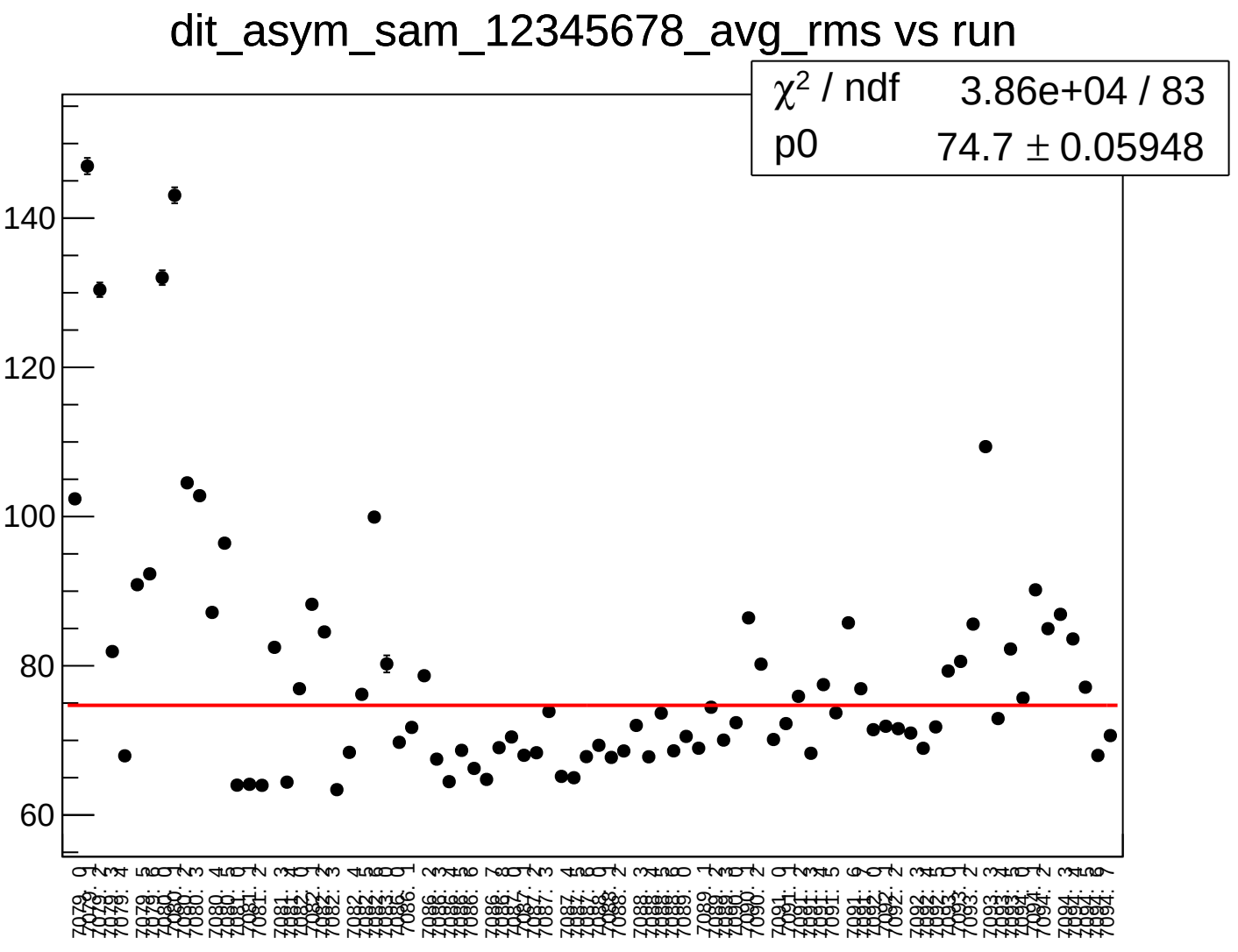

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 4136 / 83
p0 207.2 ± 0.1632
230
220
210
200
190
180

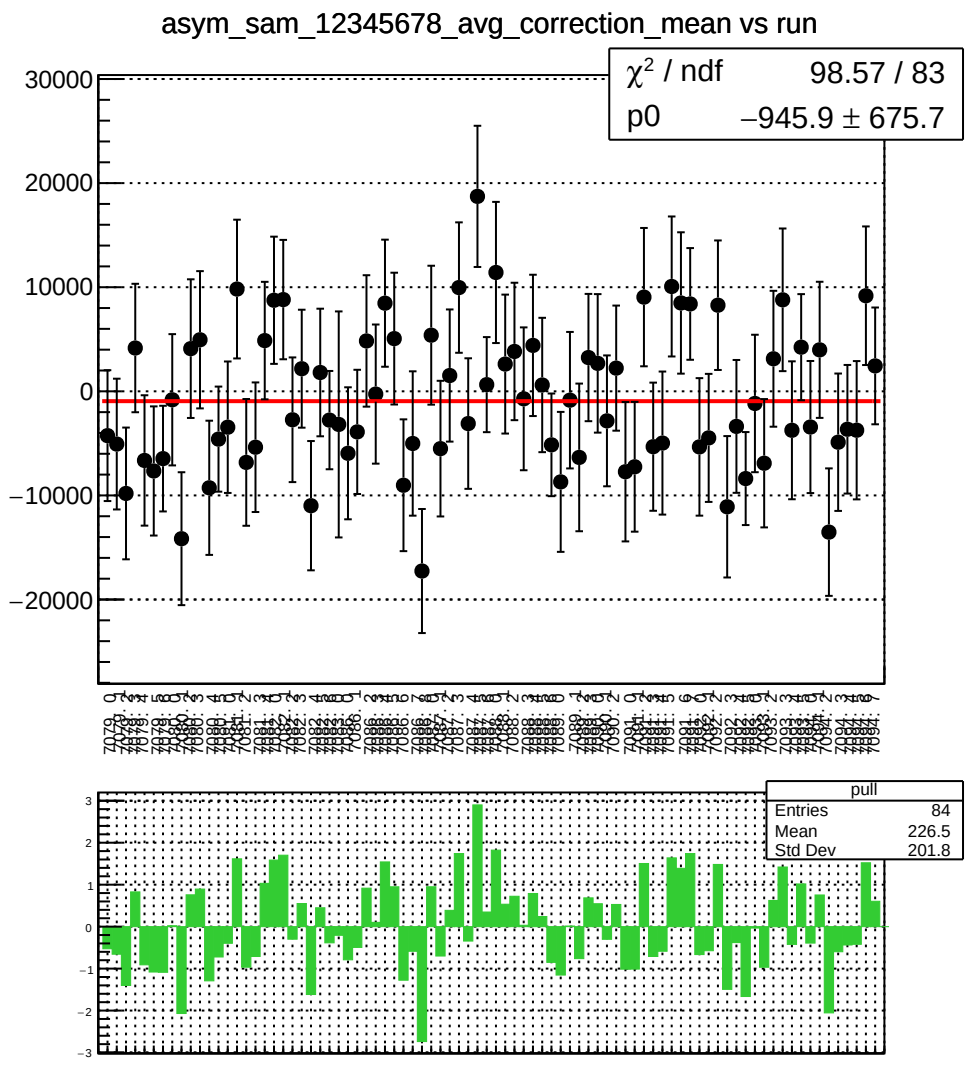

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 93.51 / 83
p0 −430.2 ± 236.9
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 84
Mean 412.4
Std Dev 386.8
2
1
0
−1
−2

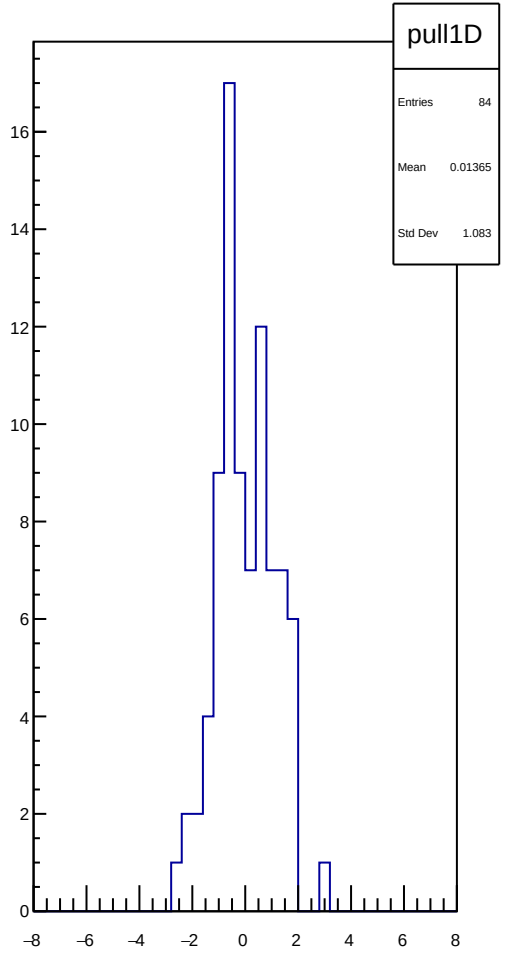

pull1D
Entries 84
Mean 0.0101
Std Dev 1.055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

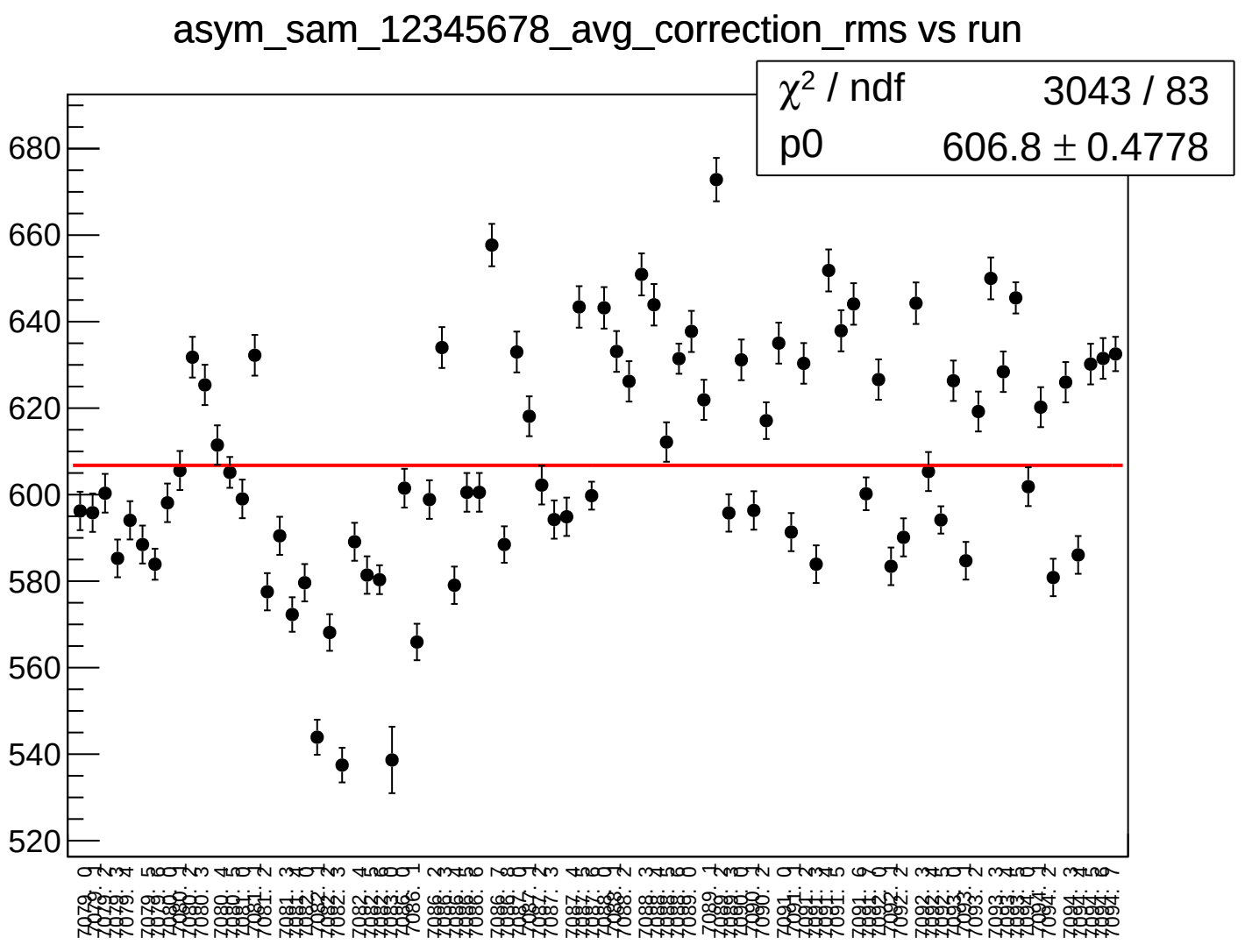

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4403 / 83
p0 212.6 ± 0.1675
240
230
220
210
200
190
180

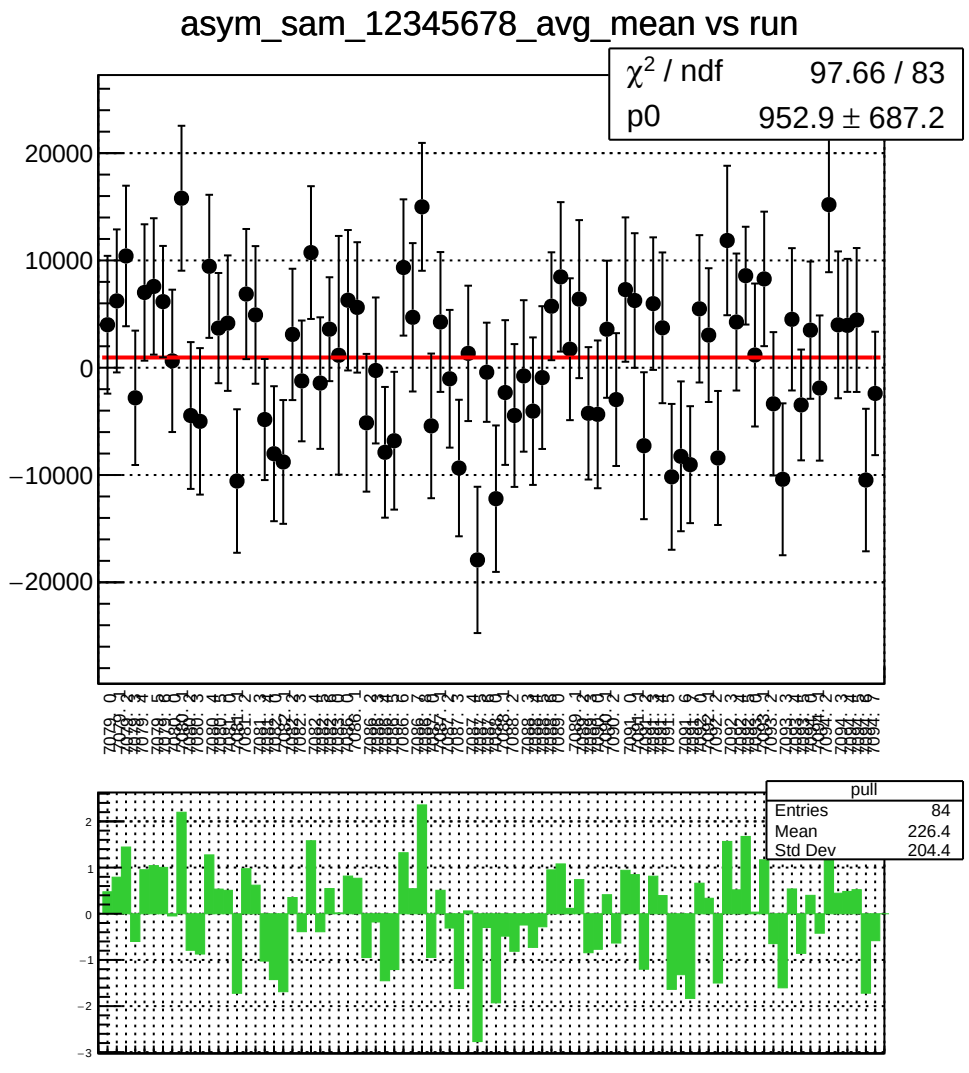

dit_asym_sam_12345678_avg_mean vs run
χ^2 / ndf 79.69 / 83
p0 10.69 ± 84.12
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 84
Mean −36.51
Std Dev 56.16
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.01144
Std Dev 0.9739
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

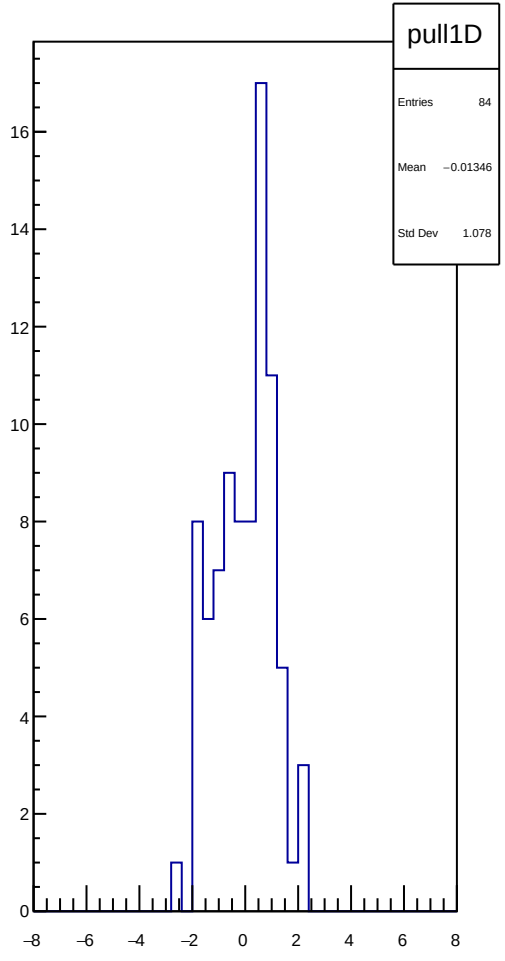

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 3.86e+04 / 83
p0 74.7 ± 0.05948
140
120
100
80
60

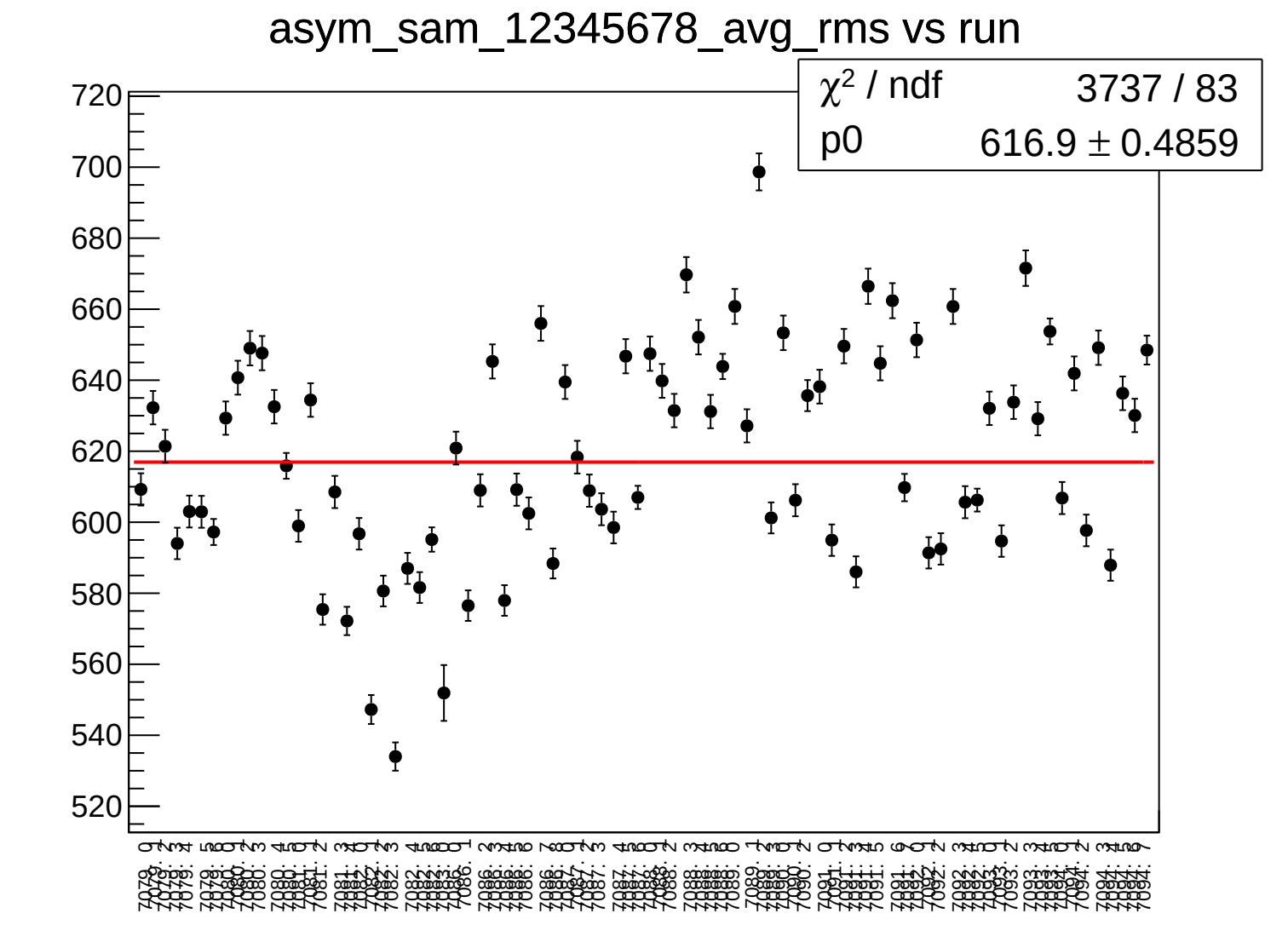

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 98.57 / 83
p0 −945.9 ± 675.7
30000
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 226.5
Std Dev 201.8
3
2
1
0
−1
−2
−3

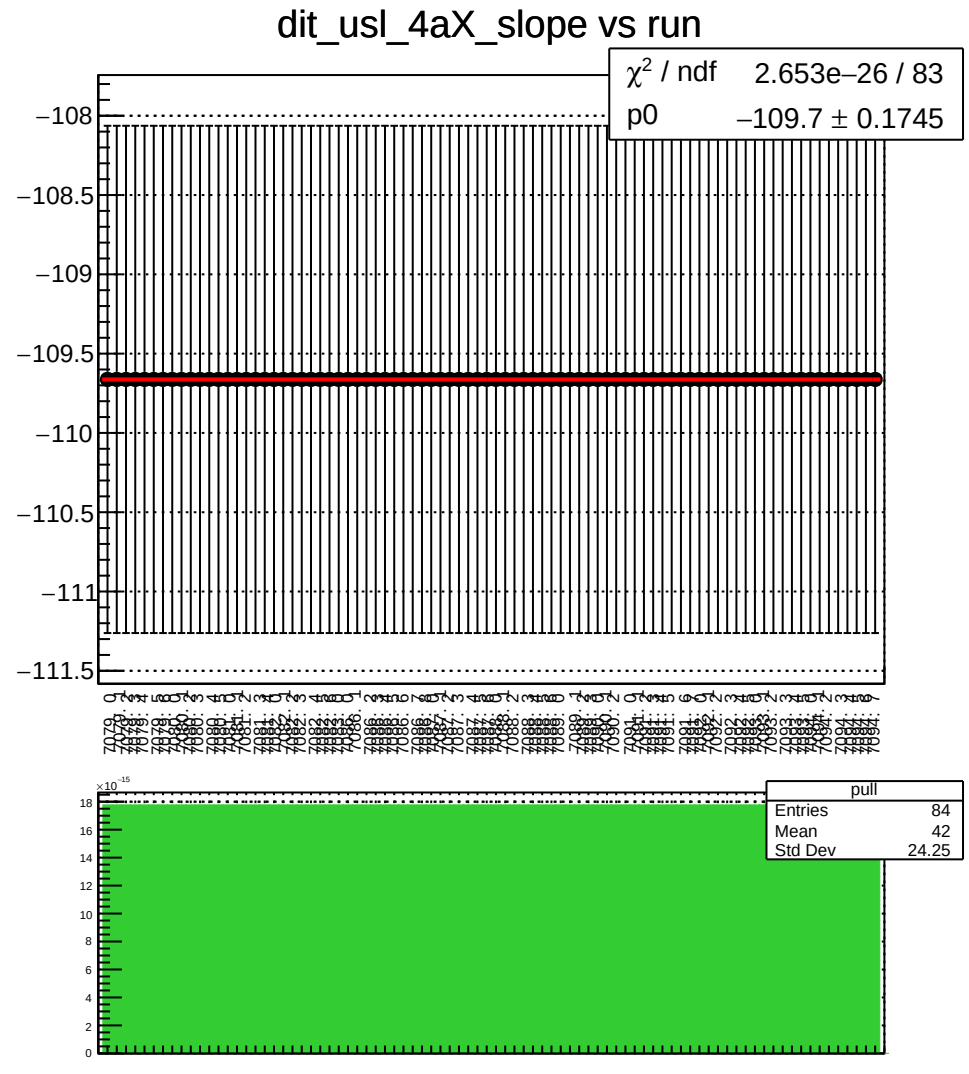

pull1D
Entries 84
Mean 0.01365
Std Dev 1.083
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

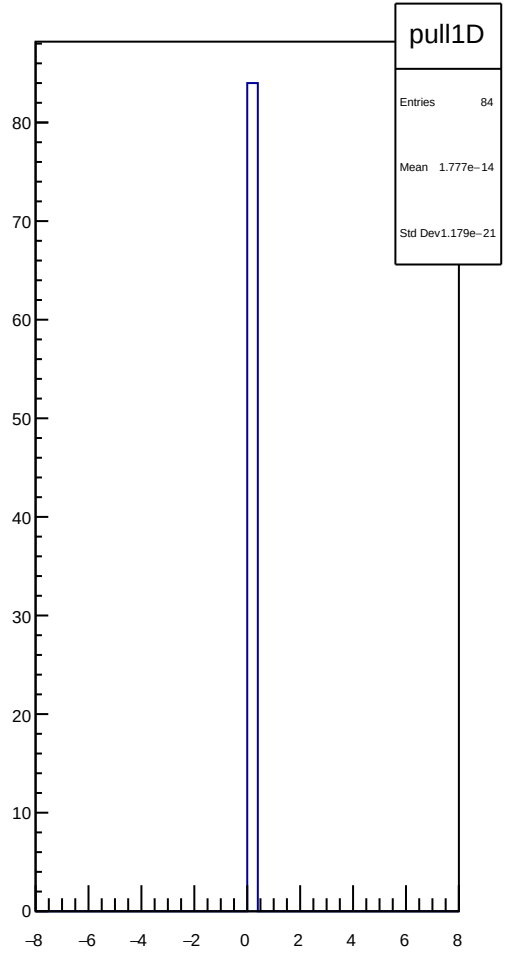

asym_sam_12345678_avg_correction_rms vs run
χ² / ndf 3043 / 83
p0 606.8 ± 0.4778
680
660
640
620
600
580
560
540
520

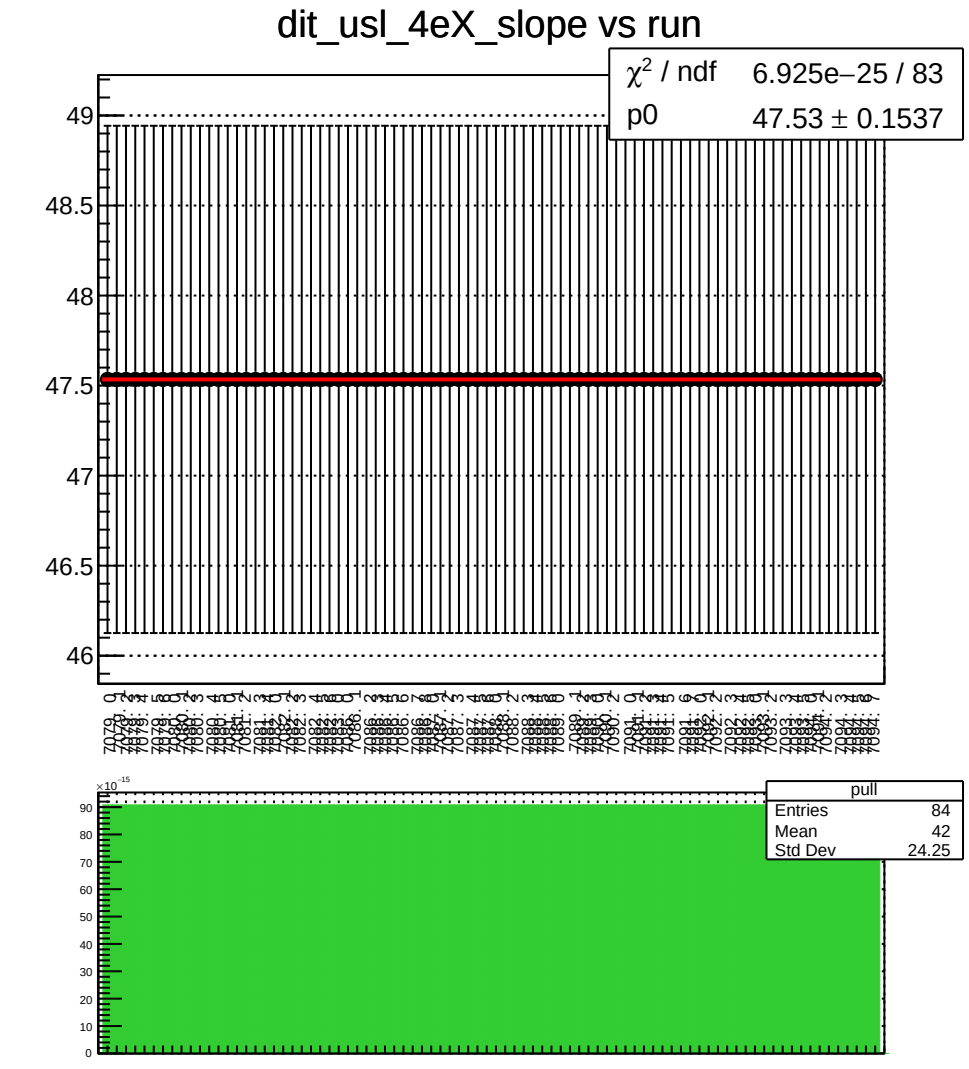

asym_sam_12345678_avg_mean vs run
χ² / ndf 97.66 / 83
p0 952.9 ± 687.2
20000
10000
0
−10000
−20000
pull
Entries 84
Mean 226.4
Std Dev 204.4
2
1
0
−1
−2
−3

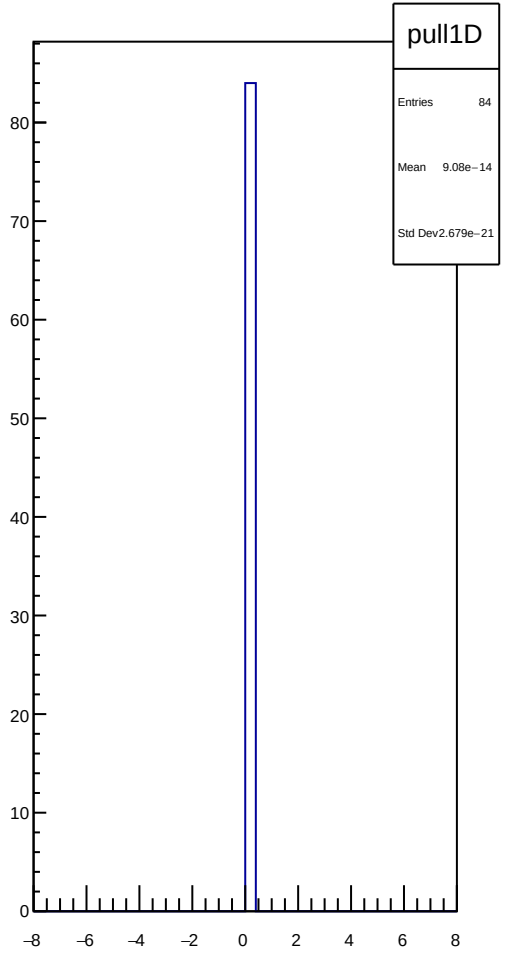

pull1D
Entries 84
Mean −0.01346
Std Dev 1.078
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

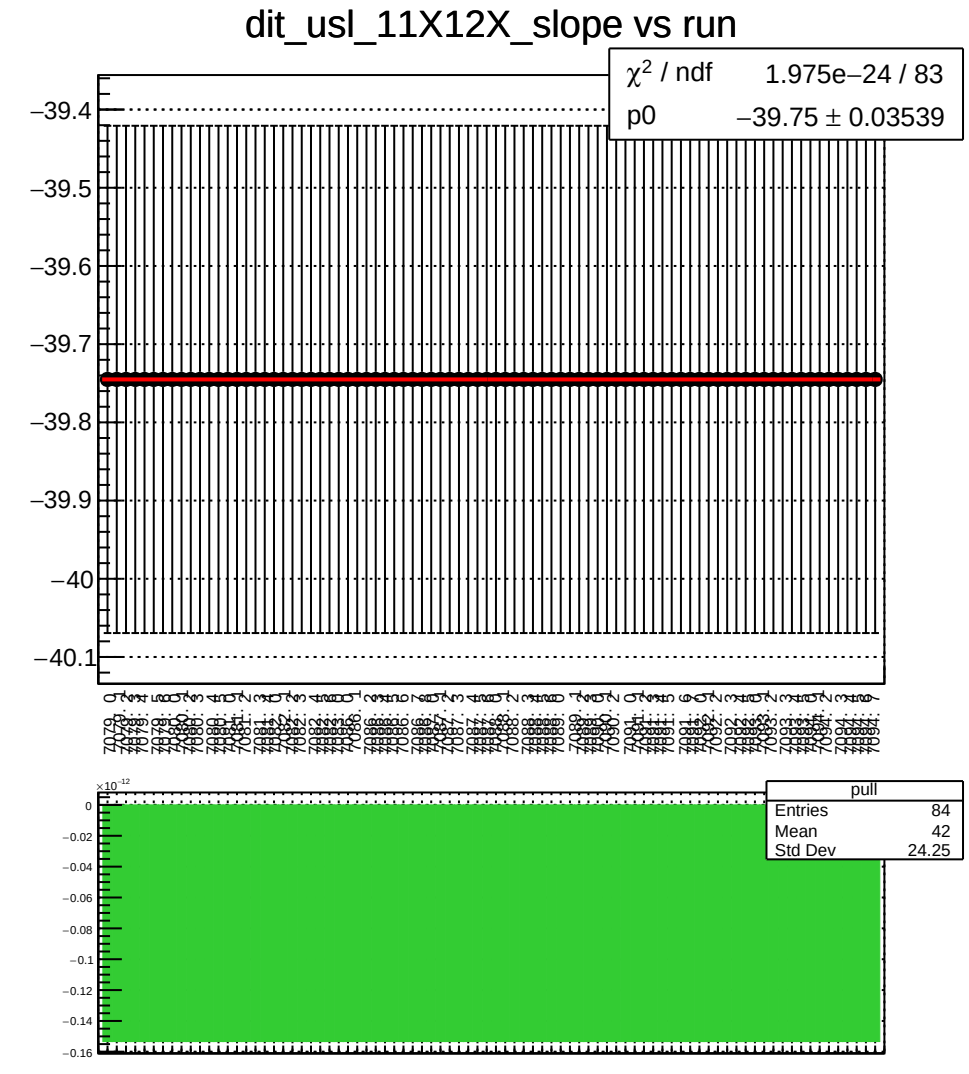

asym_sam_12345678_avg_rms vs run
χ² / ndf 3737 / 83
p0 616.9 ± 0.4859
720
700
680
660
640
620
600
580
560
540
520

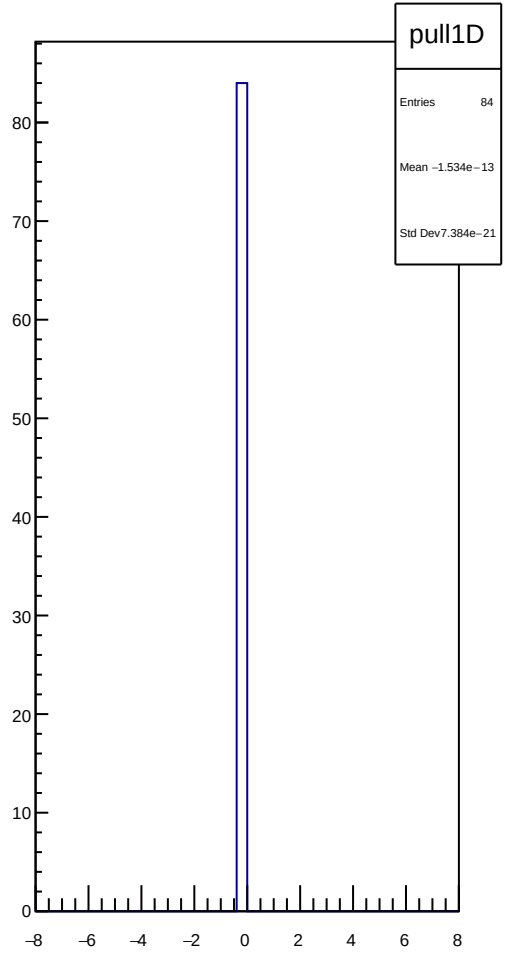

dit_usl_4aX_slope vs run
χ² / ndf 2.653e−26 / 83
p0 −109.7 ± 0.1745
−108
−108.5
−109
−109.5
−110
−110.5
−111
−111.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
18
16
14
12
10
8
6
4
2
0

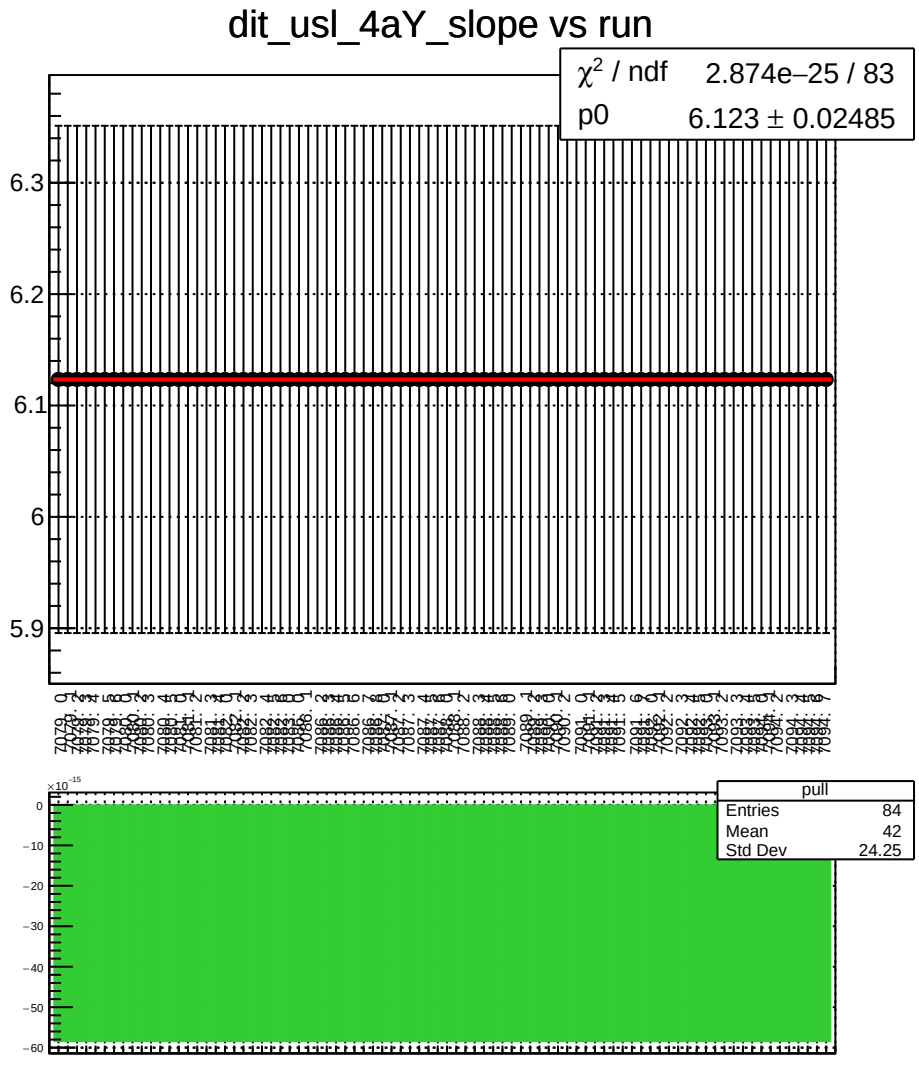

pull1D
Entries 84
Mean 1.777e−14
Std Dev1.179e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

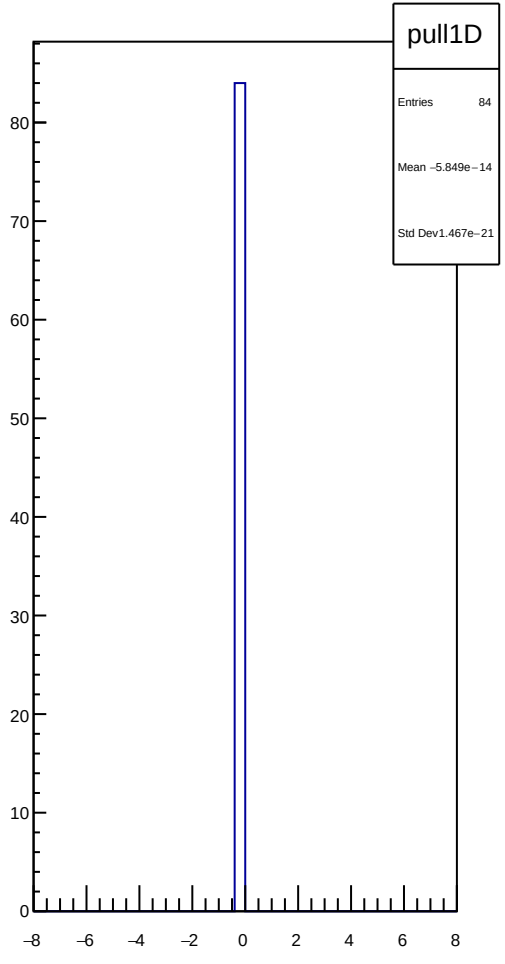

dit_usl_4eX_slope vs run
χ² / ndf 6.925e−25 / 83
p0 47.53 ± 0.1537
49
48.5
48
47.5
47
46.5
46
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
90
80
70
60
50
40
30
20
10
0

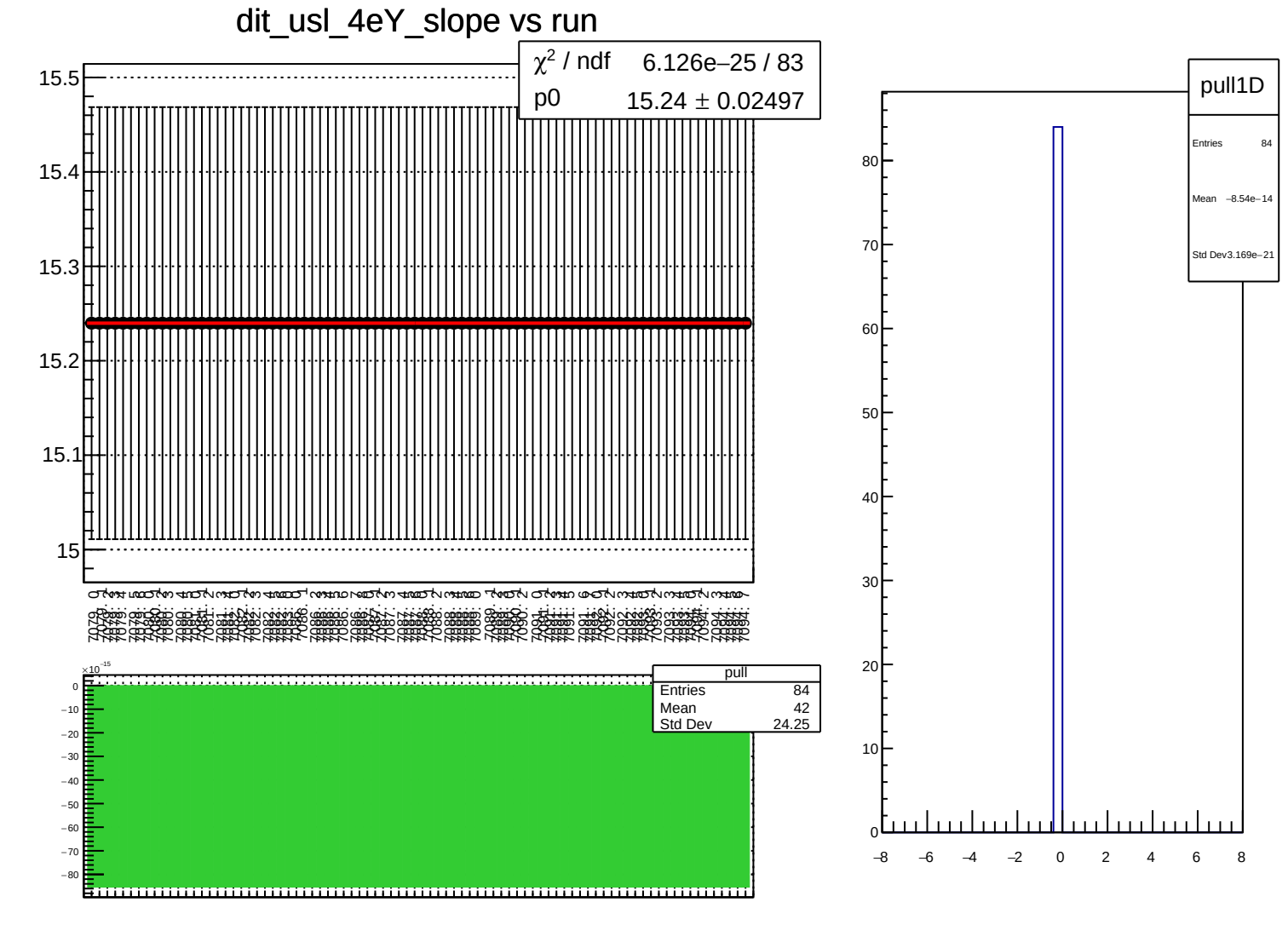

pull1D
Entries 84
Mean 9.08e−14
Std Dev2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

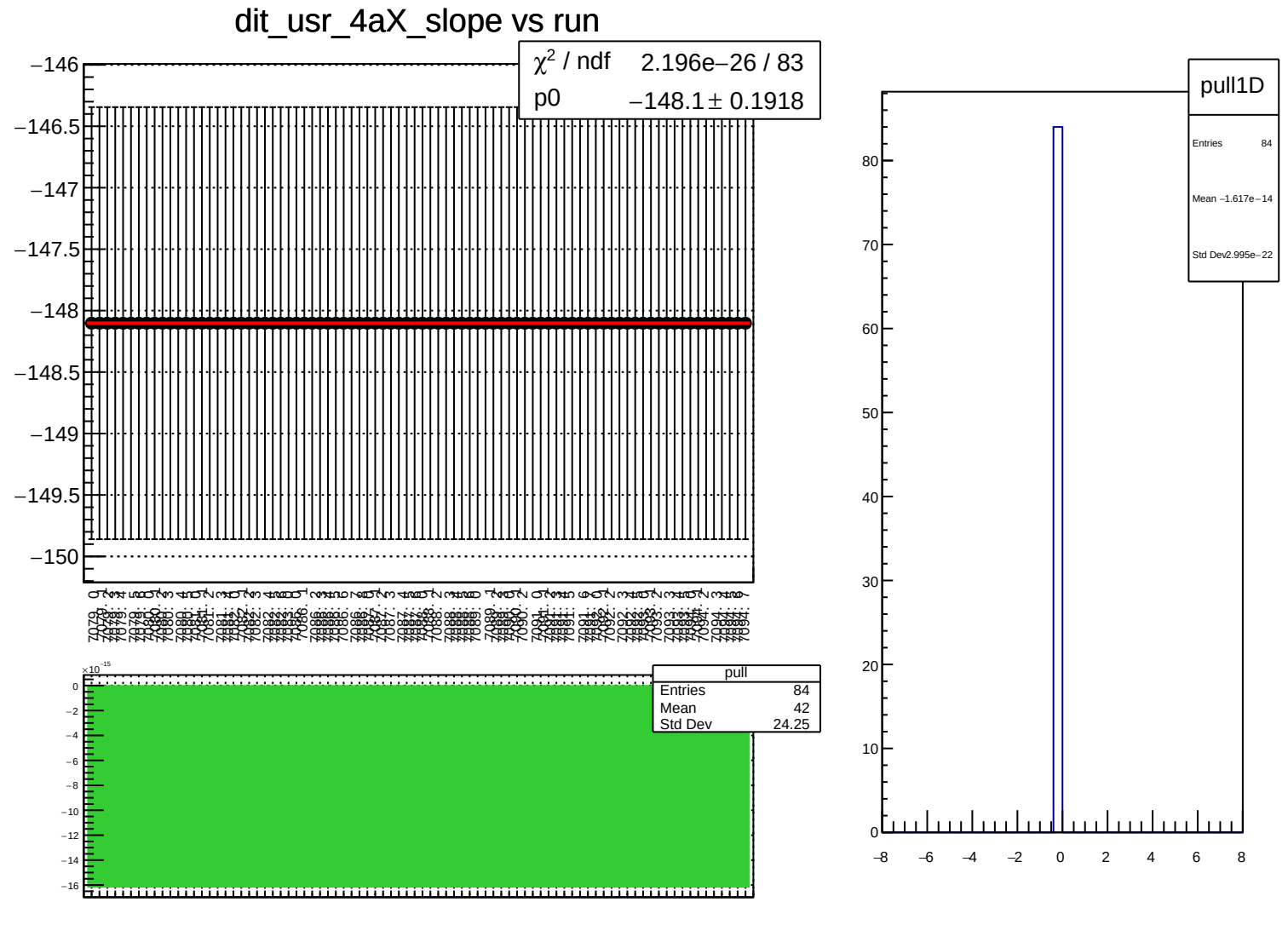

dit_usl_11X12X_slope vs run
χ² / ndf 1.975e−24 / 83
p0 −39.75 ± 0.03539
−39.4
−39.5
−39.6
−39.7
−39.8
−39.9
−40
−40.1
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

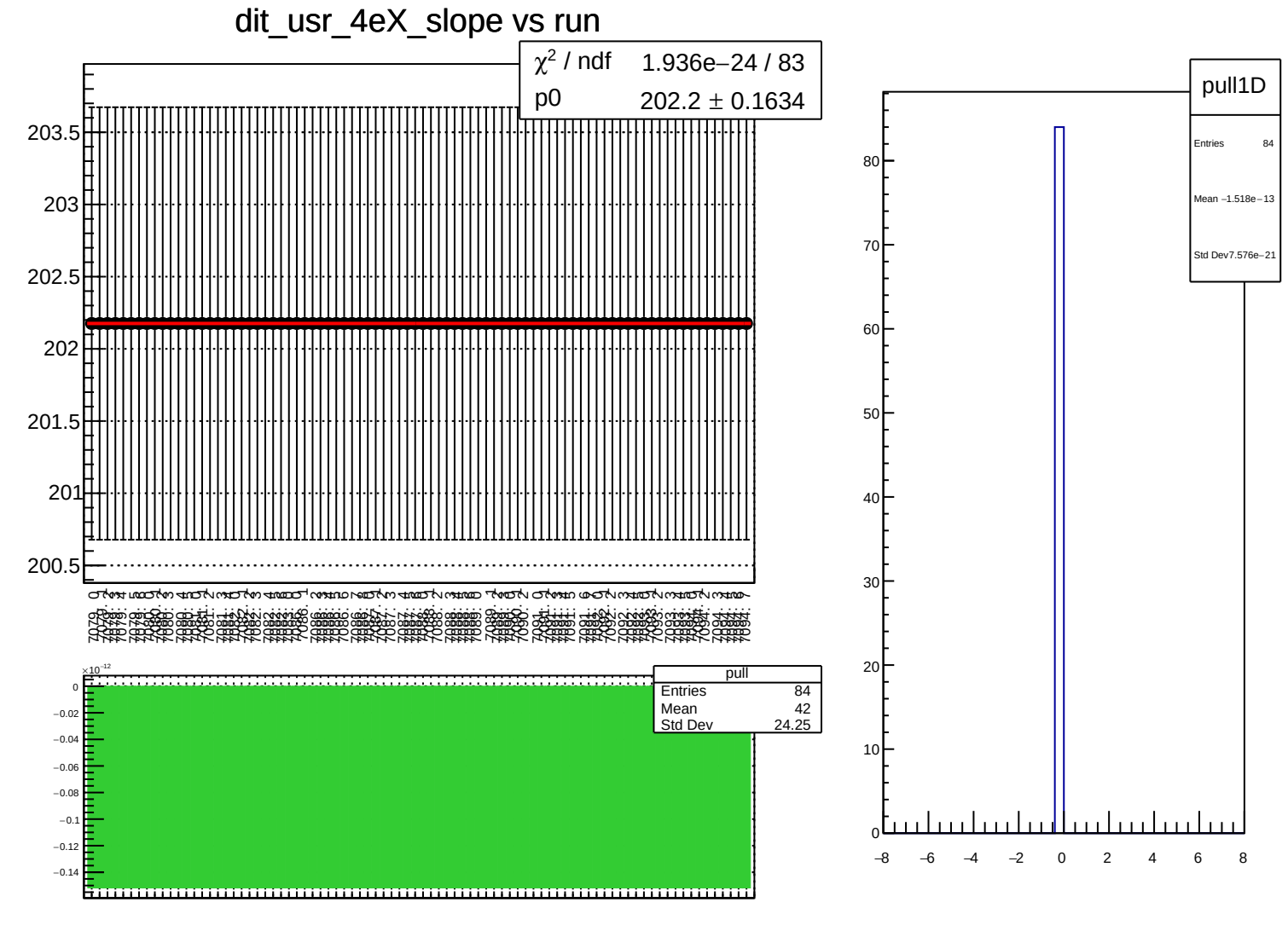

pull1D
Entries 84
Mean −1.534e−13
Std Dev7.384e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

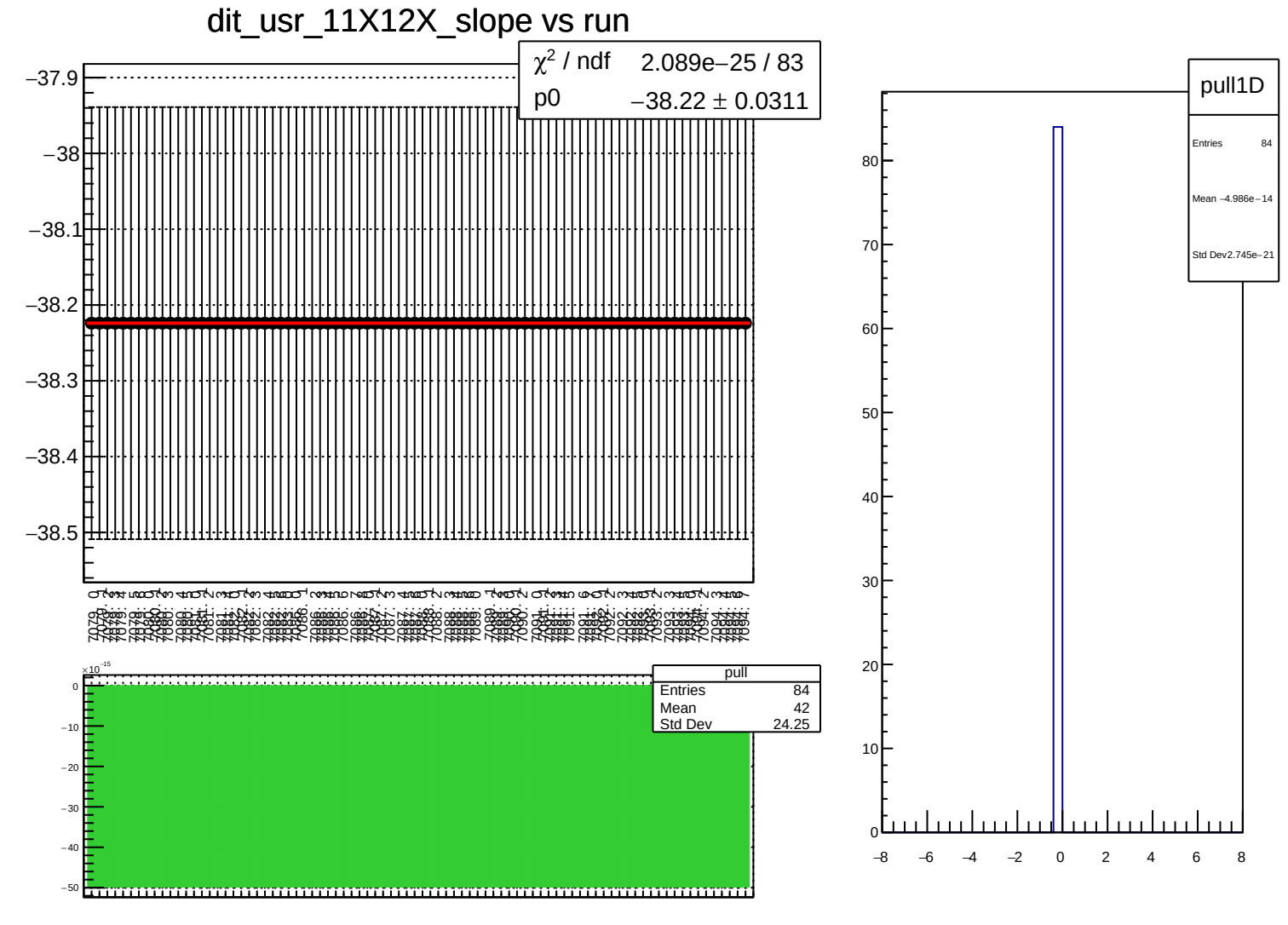

dit_usl_4aY_slope vs run
χ² / ndf 2.874e−25 / 83
p0 6.123 ± 0.02485
6.3
6.2
6.1
6
5.9
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

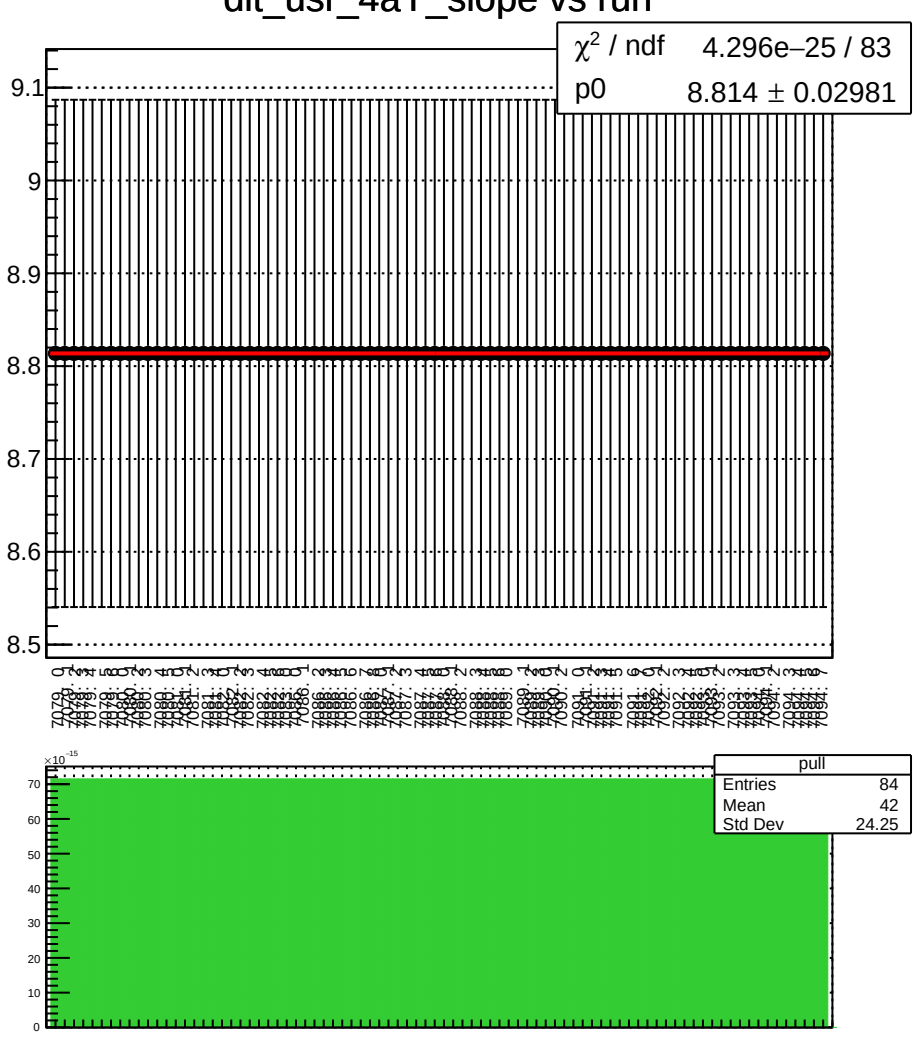

pull1D
Entries 84
Mean −5.849e−14
Std Dev1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

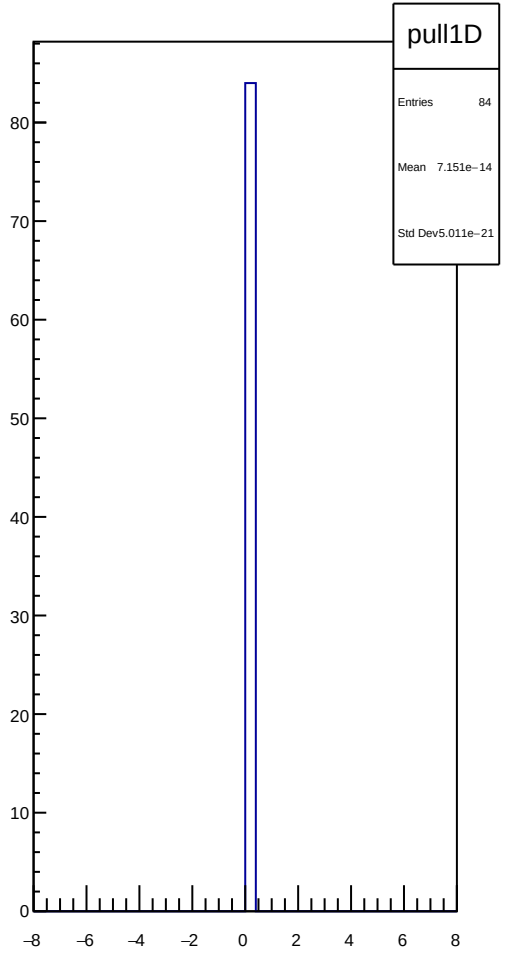

dit_usl_4eY_slope vs run
χ² / ndf 6.126e−25 / 83
p0 15.24 ± 0.02497
15.5
15.4
15.3
15.2
15.1
15
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −8.54e−14
Std Dev3.169e−21

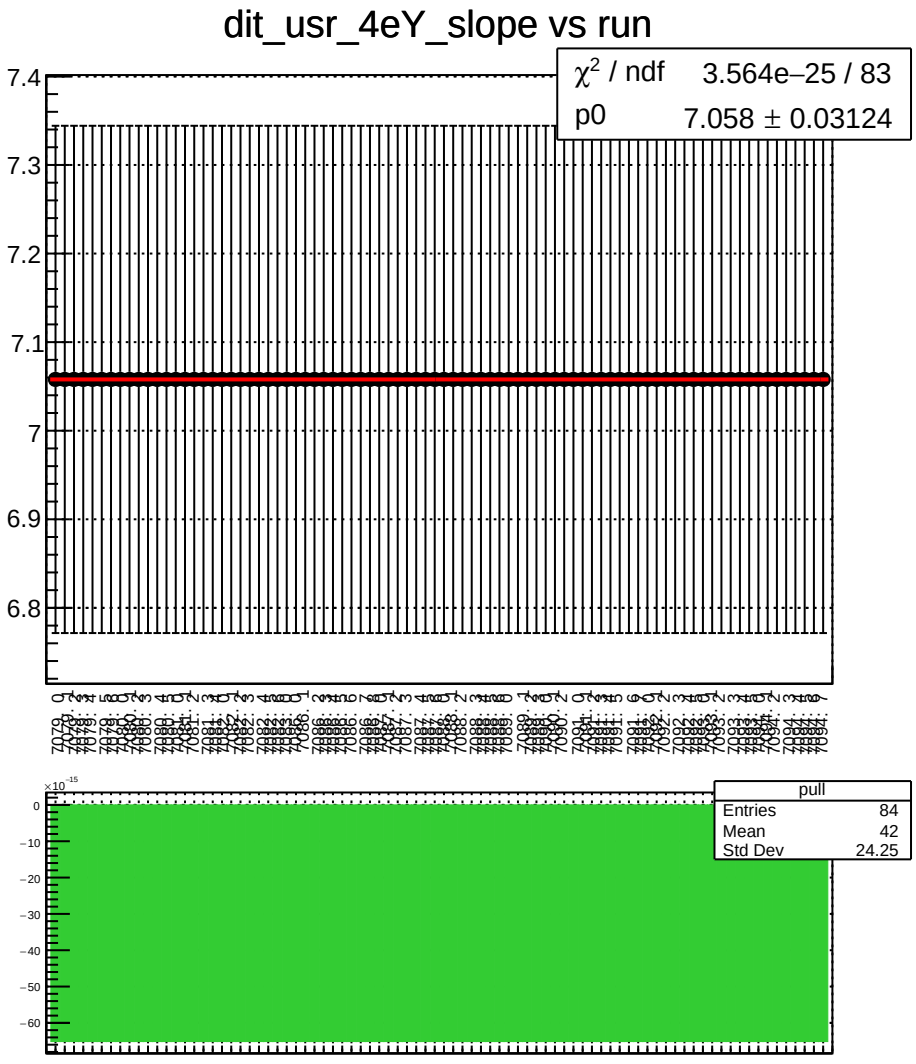

dit_usr_4aX_slope vs run
χ² / ndf 2.196e−26 / 83
p0 −148.1 ± 0.1918
−146
−146.5
−147
−147.5
−148
−148.5
−149
−149.5
−150
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull1D
Entries 84
Mean −1.617e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

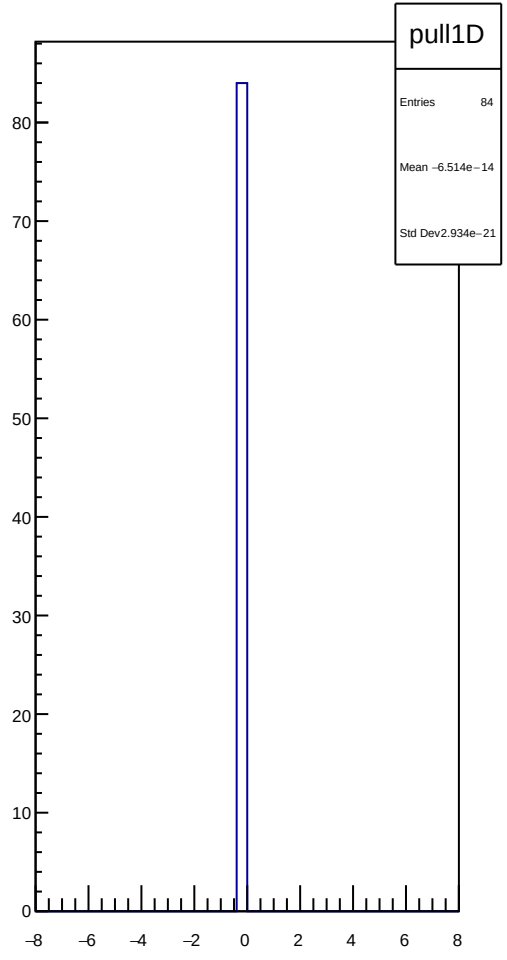

dit_usr_4eX_slope vs run
χ² / ndf 1.936e−24 / 83
p0 202.2 ± 0.1634
203.5
203
202.5
202
201.5
201
200.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 84
Mean −1.518e−13
Std Dev7.576e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

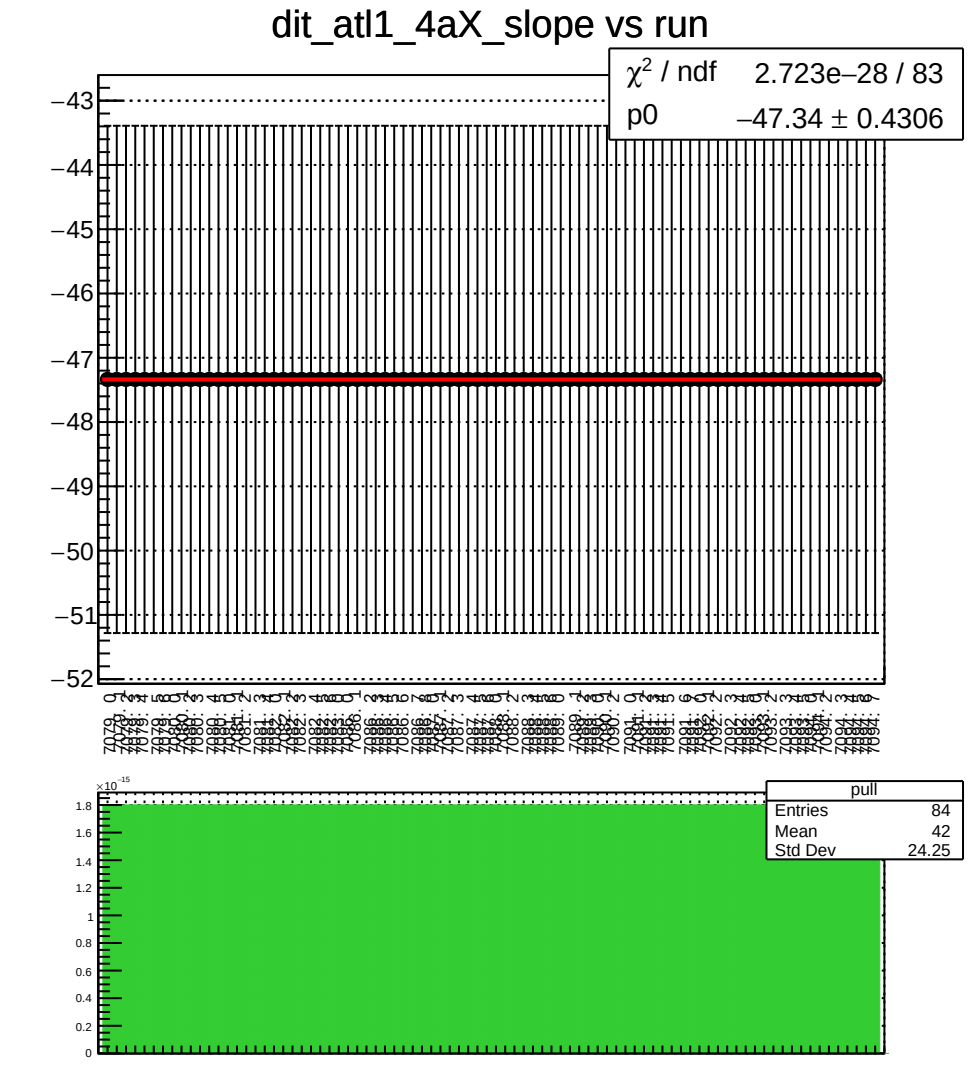

dit_usr_11X12X_slope vs run
χ² / ndf 2.089e−25 / 83
p0 −38.22 ± 0.0311
−37.9
−38
−38.1
−38.2
−38.3
−38.4
−38.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 84
Mean −4.986e−14
Std Dev2.745e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

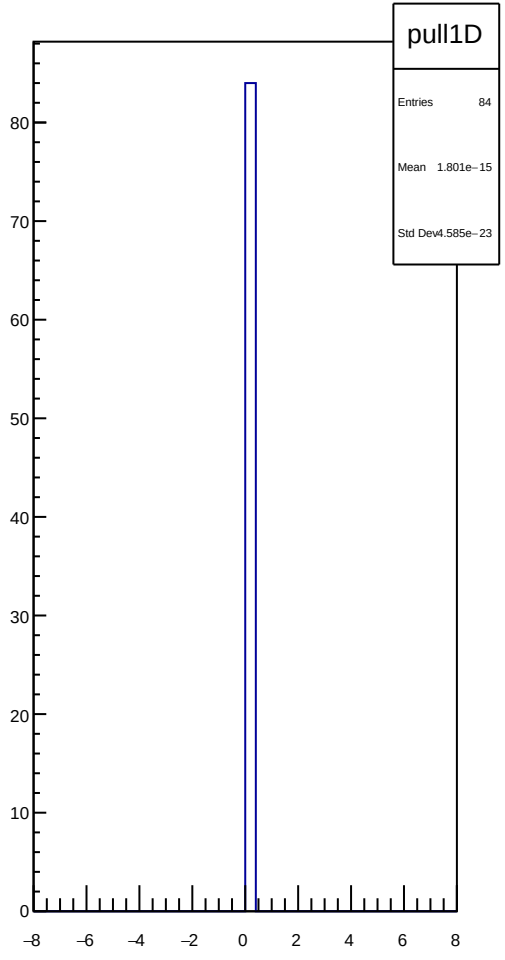

dit_usr_4aY_slope vs run
χ² / ndf 4.296e−25 / 83
p0 8.814 ± 0.02981
9.1
9
8.9
8.8
8.7
8.6
8.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
70
60
50
40
30
20
10
0

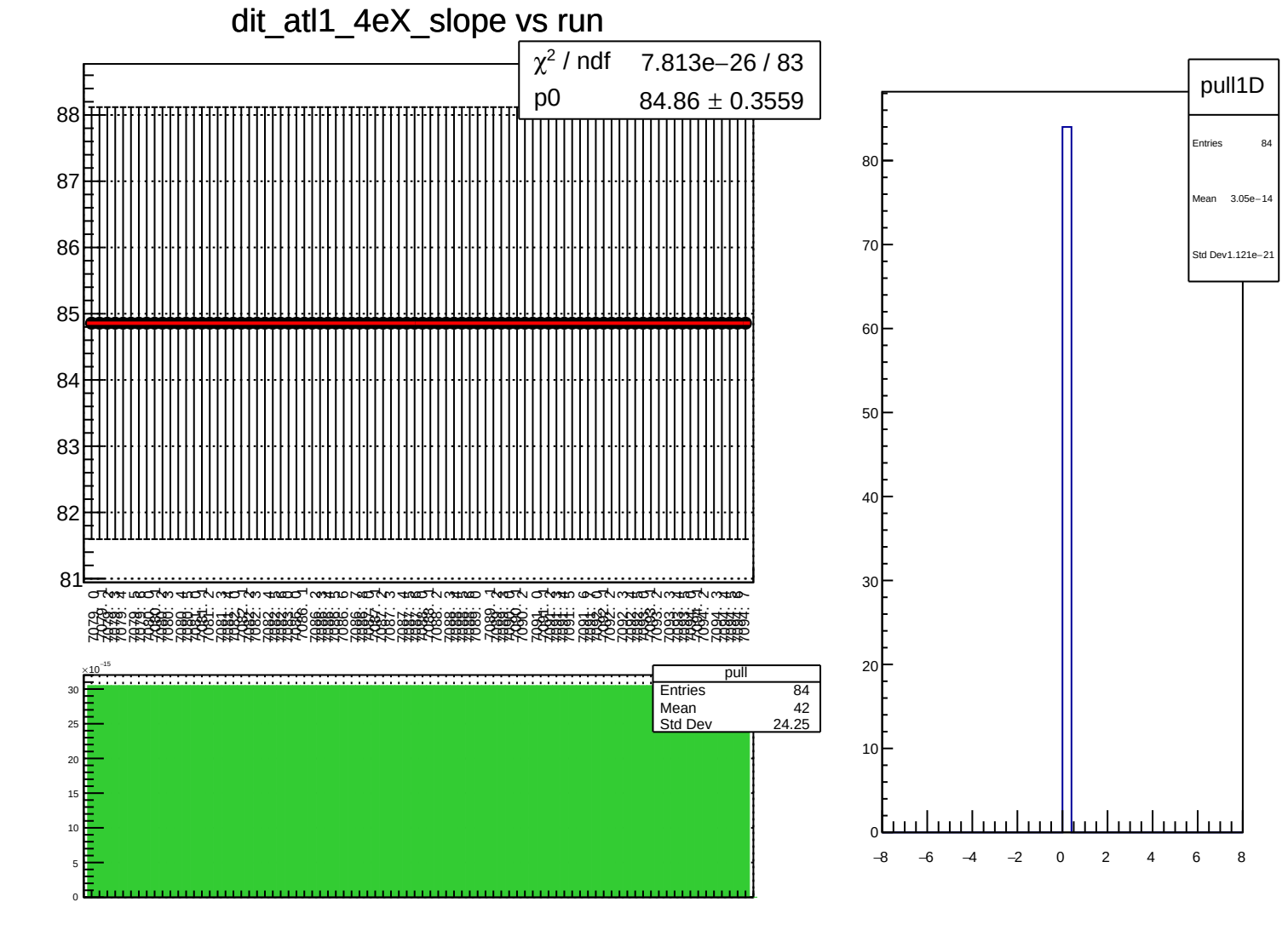

pull1D
Entries 84
Mean 7.151e−14
Std Dev5.011e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

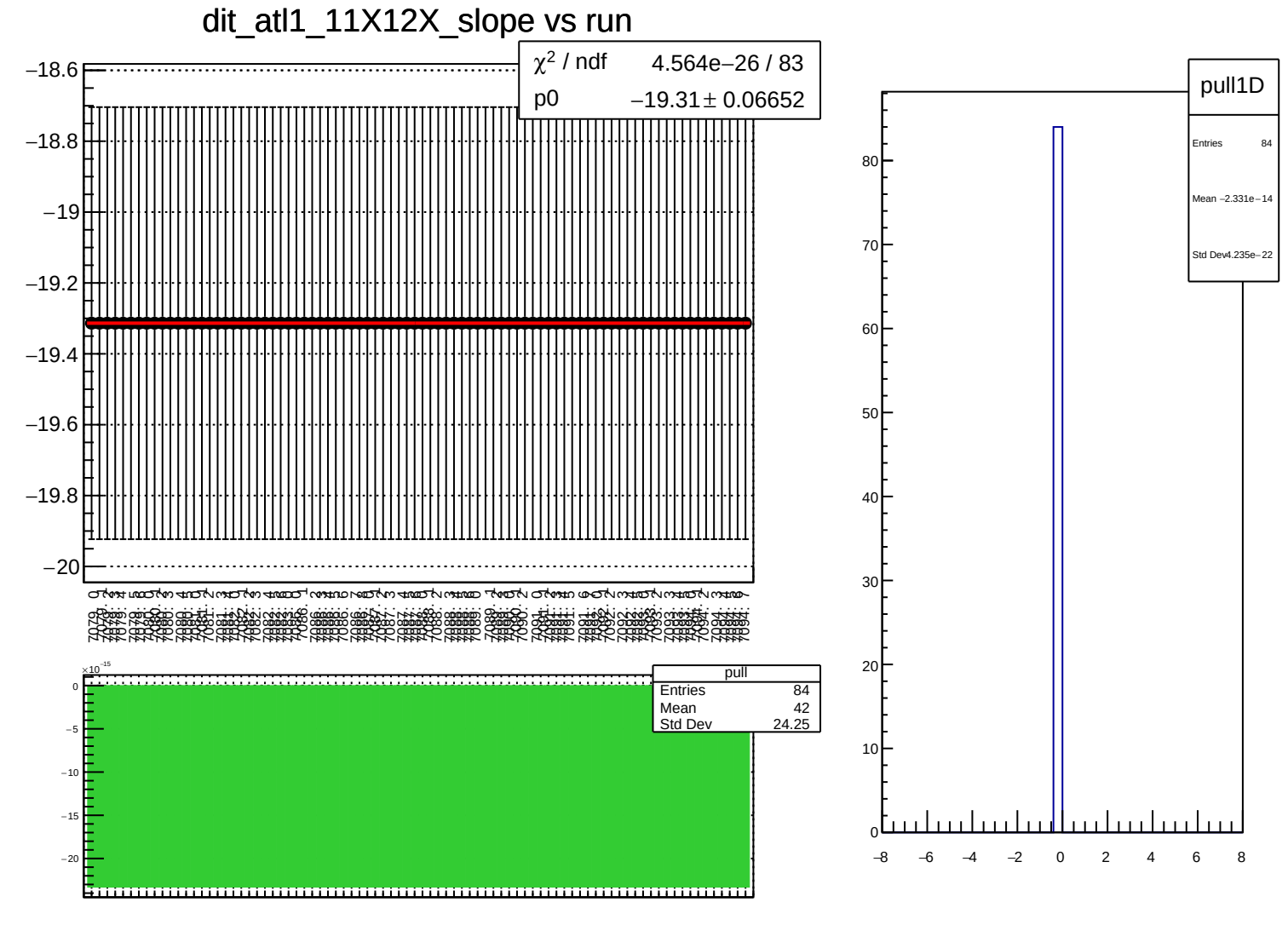

dit_usr_4eY_slope vs run
χ² / ndf 3.564e−25 / 83
p0 7.058 ± 0.03124
7.4
7.3
7.2
7.1
7
6.9
6.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60

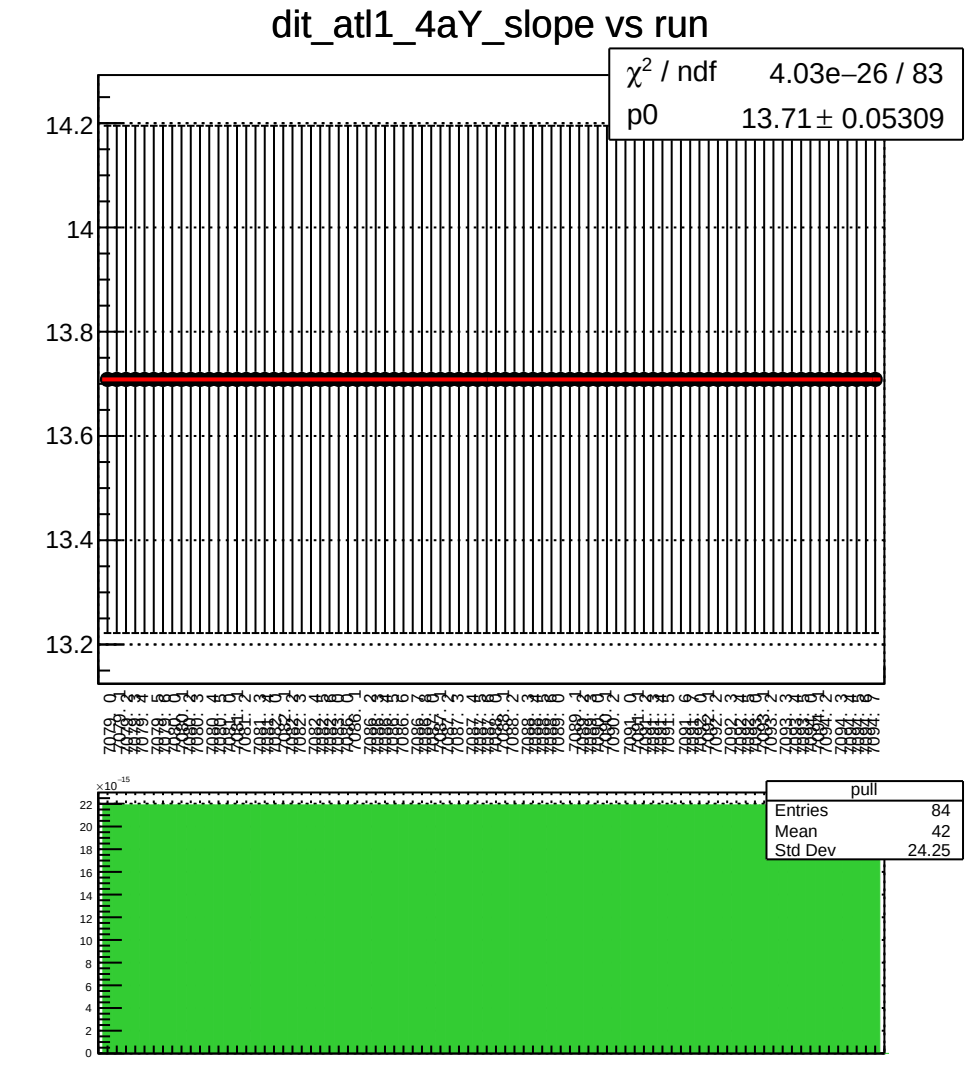

pull1D
Entries 84
Mean −6.514e−14
Std Dev2.934e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

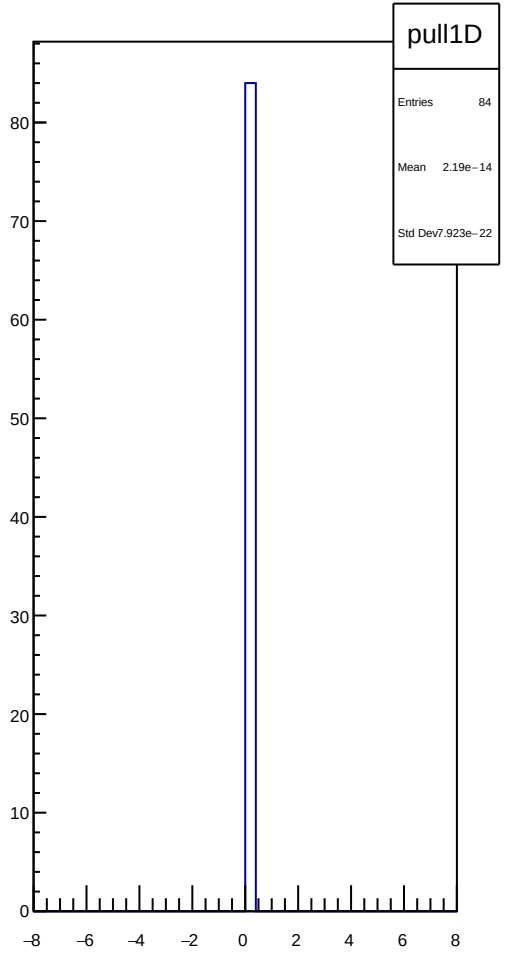

dit_atl1_4aX_slope vs run
χ² / ndf 2.723e−28 / 83
p0 −47.34 ± 0.4306
−43
−44
−45
−46
−47
−48
−49
−50
−51
−52
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

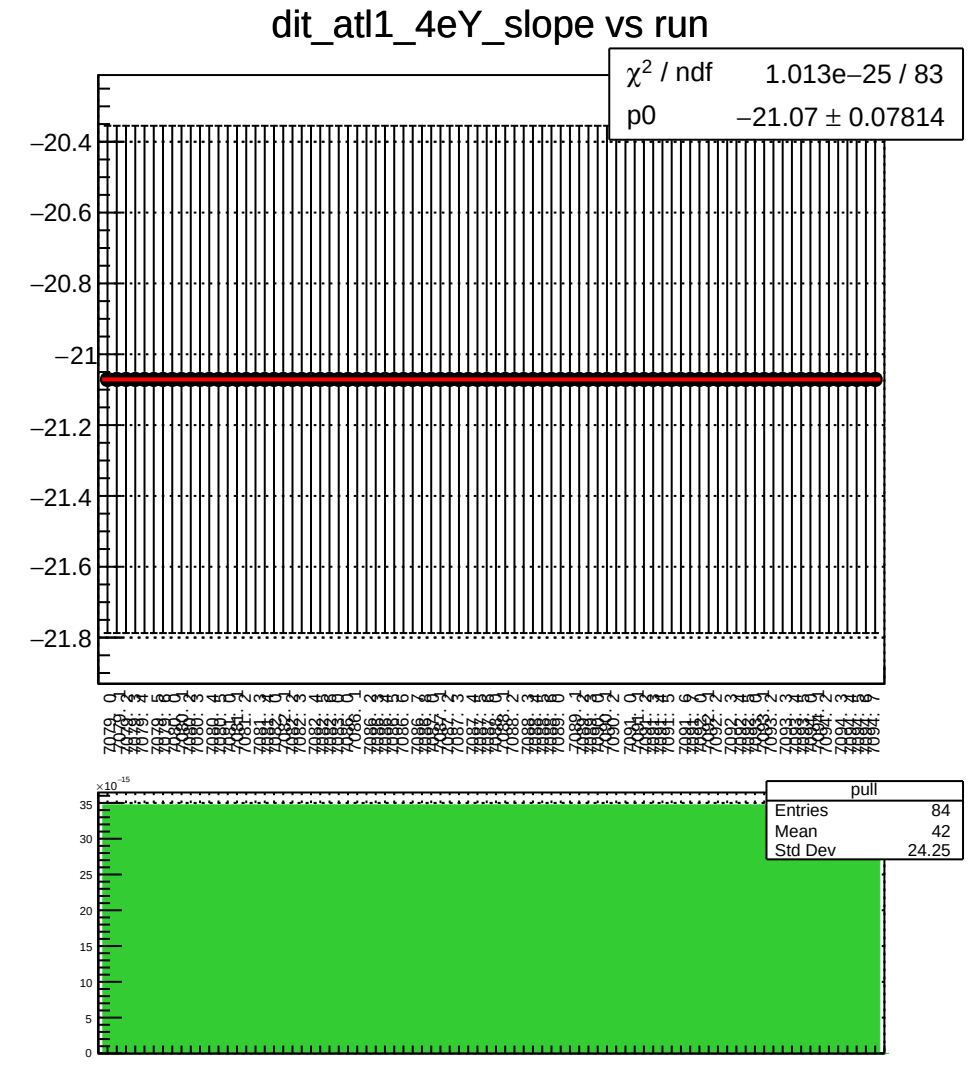

pull1D
Entries 84
Mean 1.801e−15
Std Dev 4.585e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

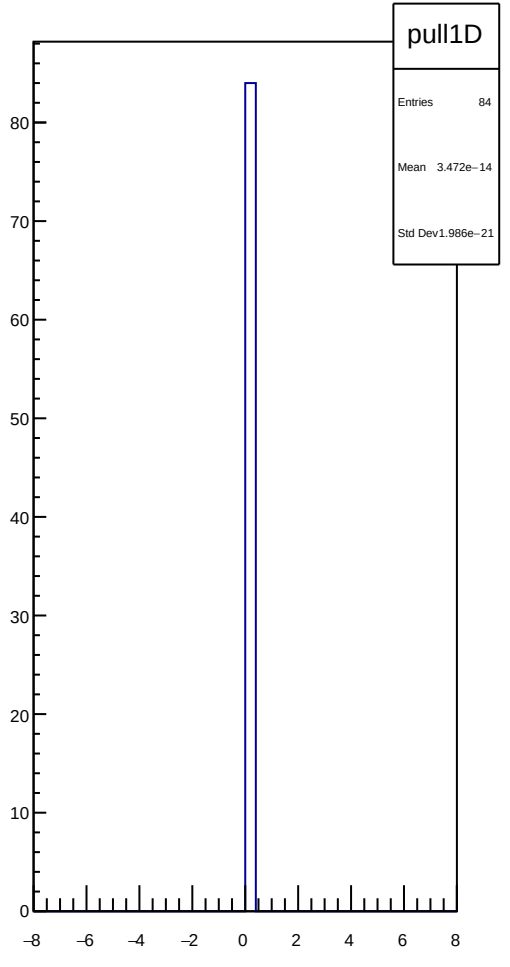

dit_atl1_4eX_slope vs run
χ² / ndf 7.813e−26 / 83
p0 84.86 ± 0.3559
88
87
86
85
84
83
82
81
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
30
25
20
15
10
5
0
pull1D
Entries 84
Mean 3.05e−14
Std Dev1.121e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

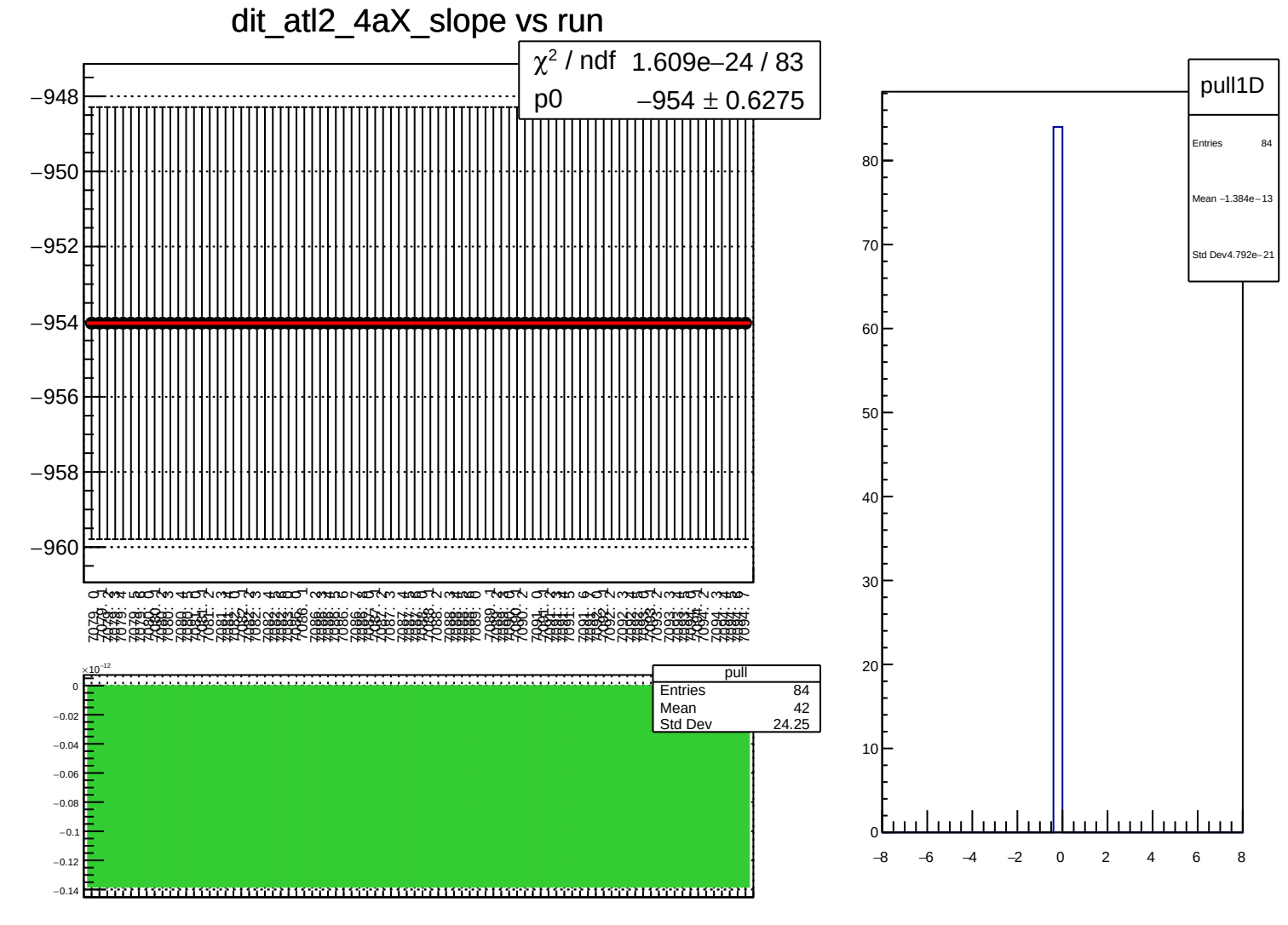

dit_atl1_11X12X_slope vs run
χ² / ndf 4.564e−26 / 83
p0 −19.31 ± 0.06652
−18.6
−18.8
−19
−19.2
−19.4
−19.6
−19.8
−20
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −2.331e−14
Std Dev4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

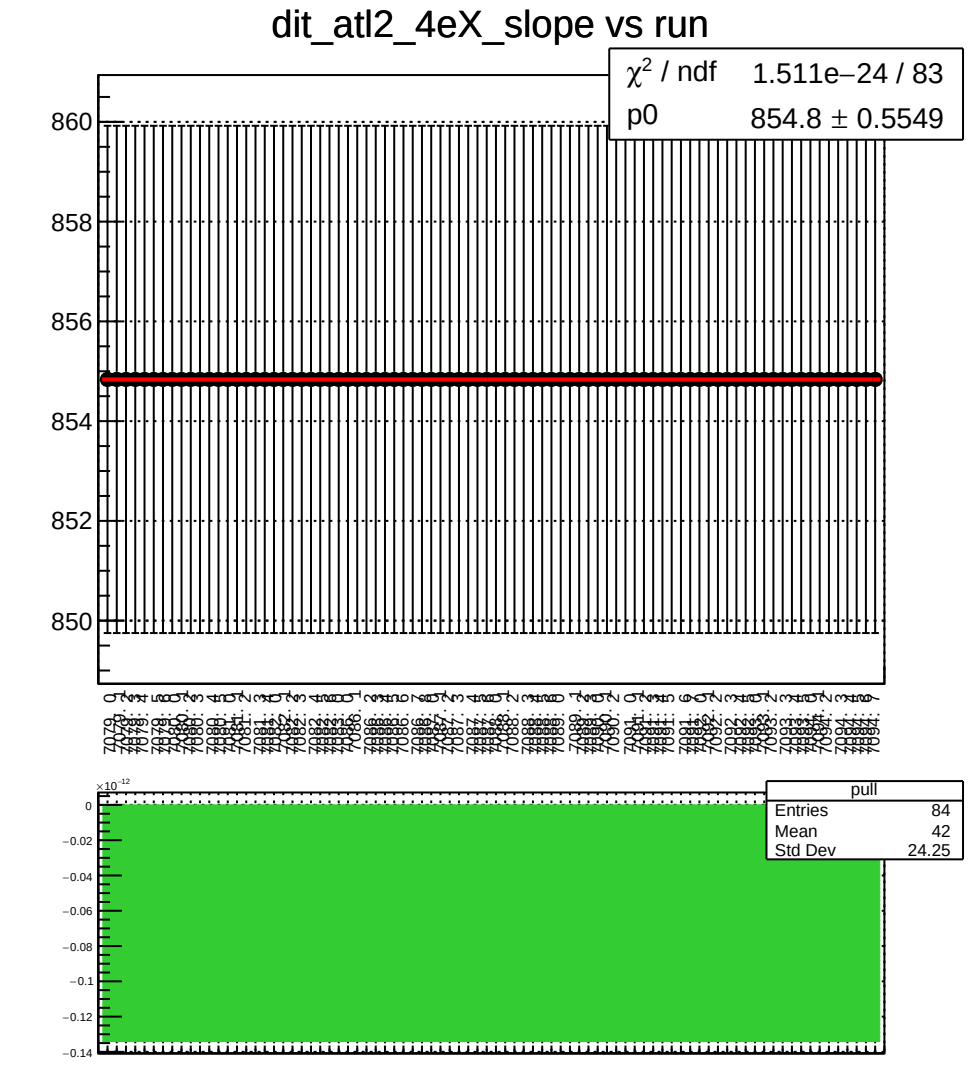

dit_atl1_4aY_slope vs run
χ² / ndf 4.03e−26 / 83
p0 13.71 ± 0.05309
14.2
14
13.8
13.6
13.4
13.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
22
20
18
16
14
12
10
8
6
4
2
0

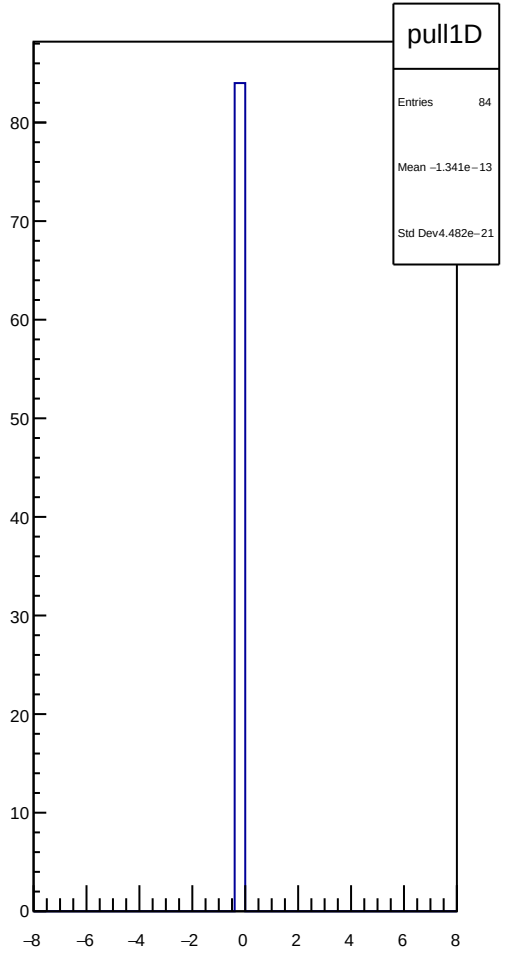

pull1D
Entries 84
Mean 2.19e−14
Std Dev 7.923e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

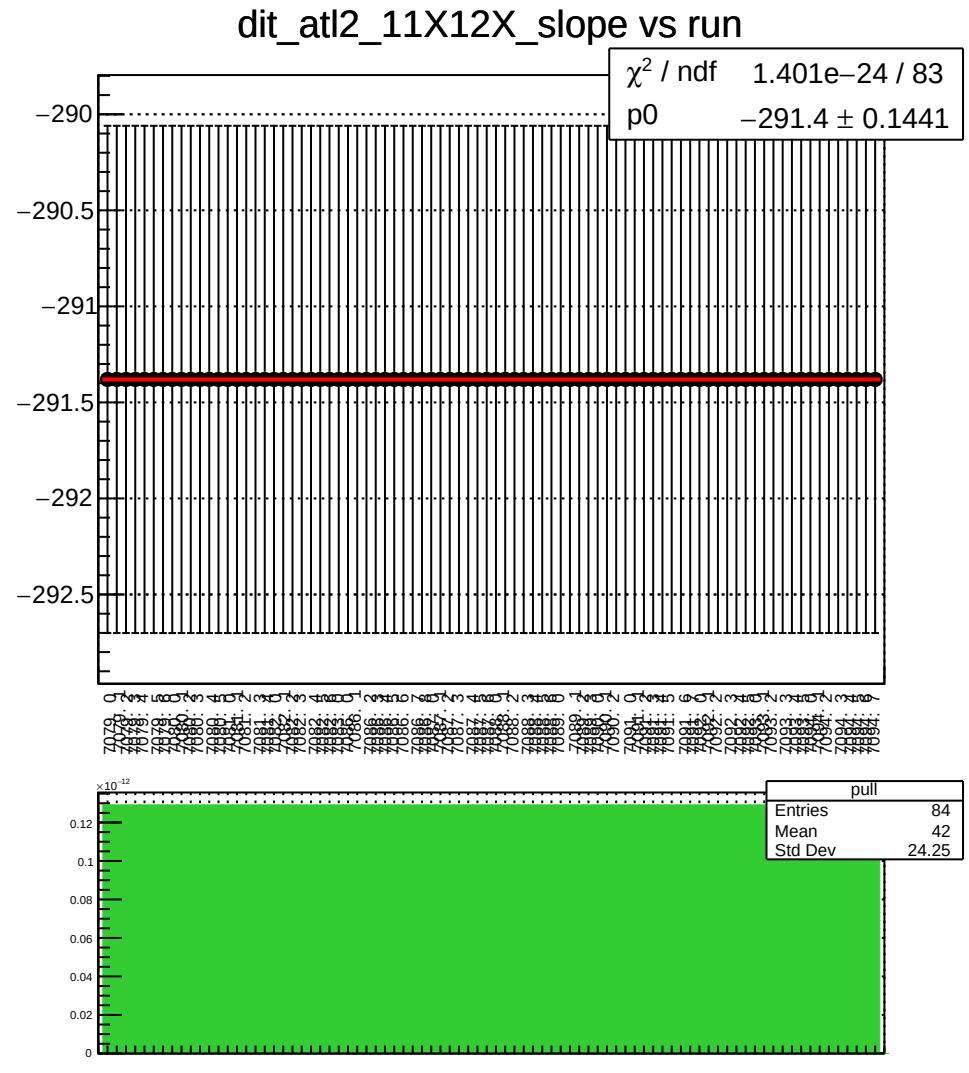

dit_atl1_4eY_slope vs run
χ² / ndf 1.013e−25 / 83
p0 −21.07 ± 0.07814
−20.4
−20.6
−20.8
−21
−21.2
−21.4
−21.6
−21.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
35
30
25
20
15
10
5
0

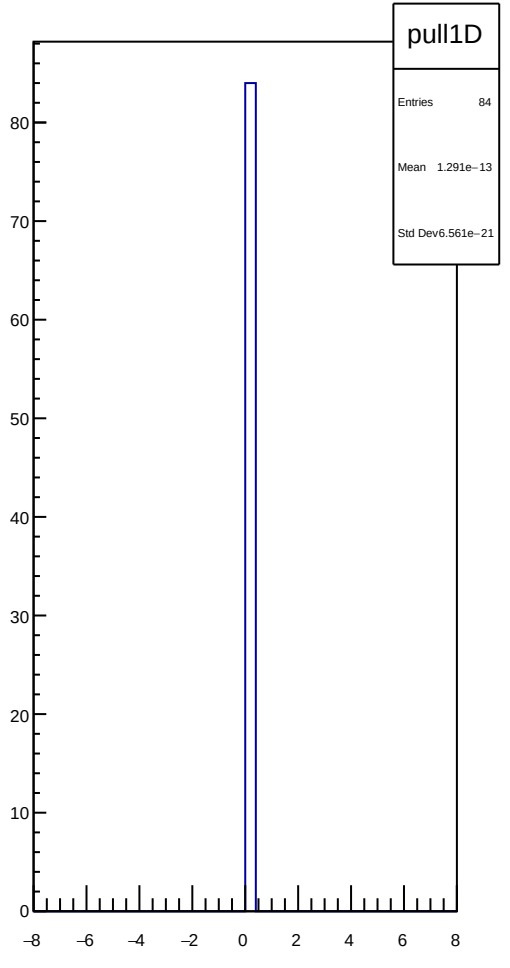

pull1D
Entries 84
Mean 3.472e−14
Std Dev 1.986e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

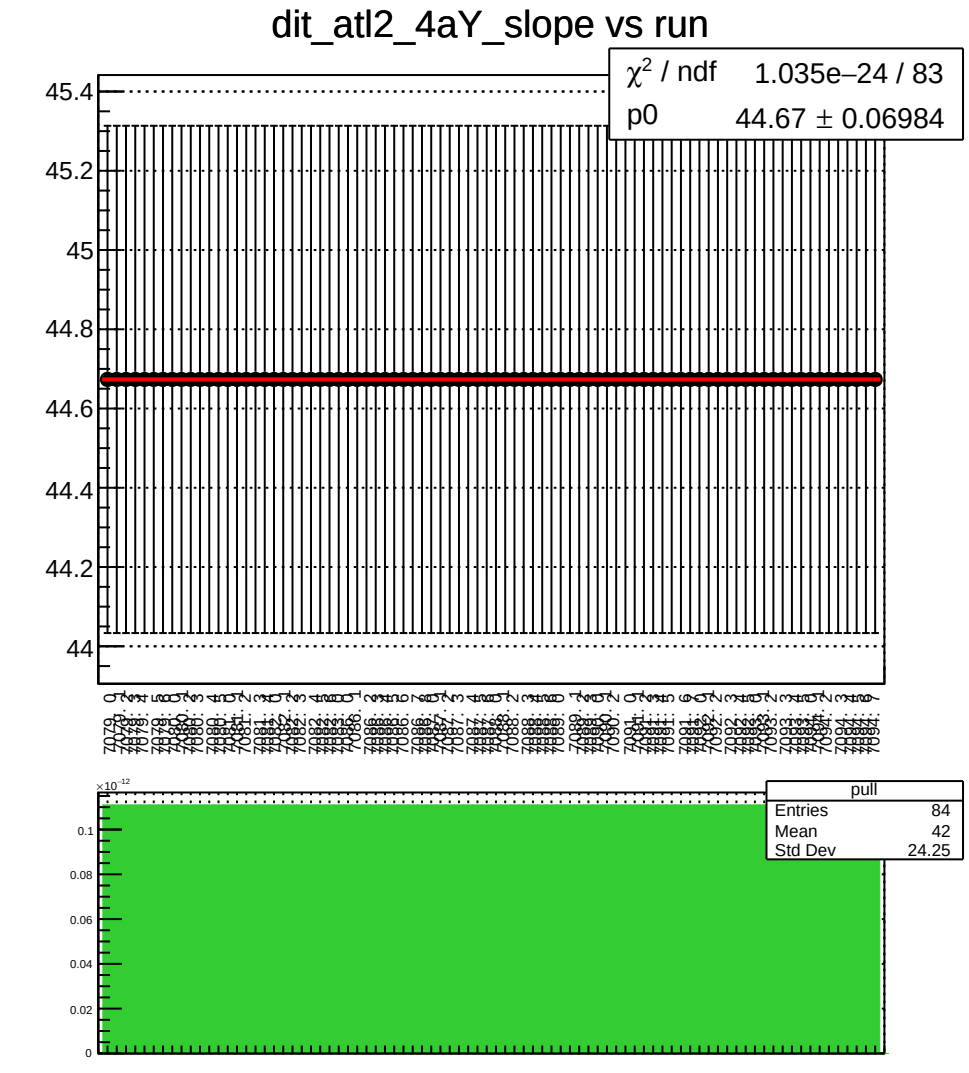

dit_atl2_4aX_slope vs run
χ² / ndf 1.609e−24 / 83
p0 −954 ± 0.6275
−948
−950
−952
−954
−956
−958
−960
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 84
Mean −1.384e−13
Std Dev4.792e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

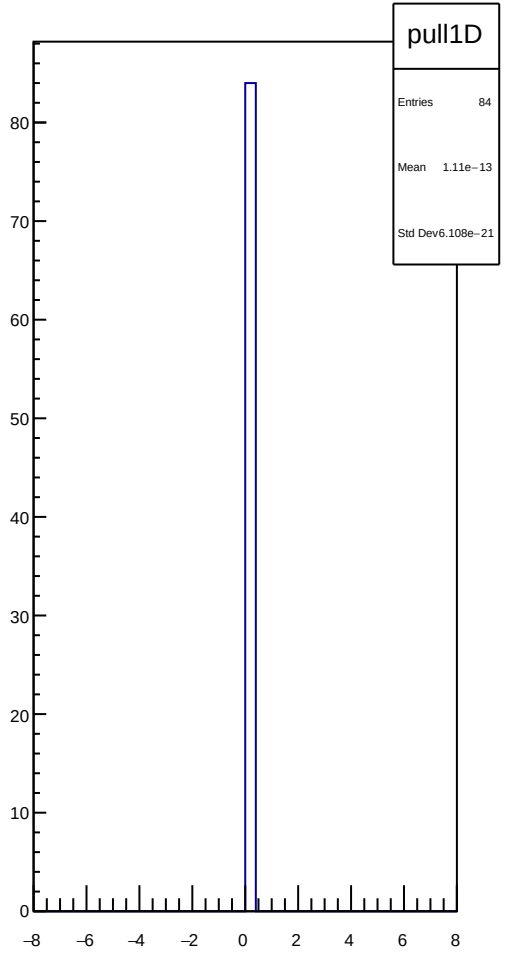

dit_atl2_4eX_slope vs run
χ² / ndf 1.511e−24 / 83
p0 854.8 ± 0.5549
860
858
856
854
852
850
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14

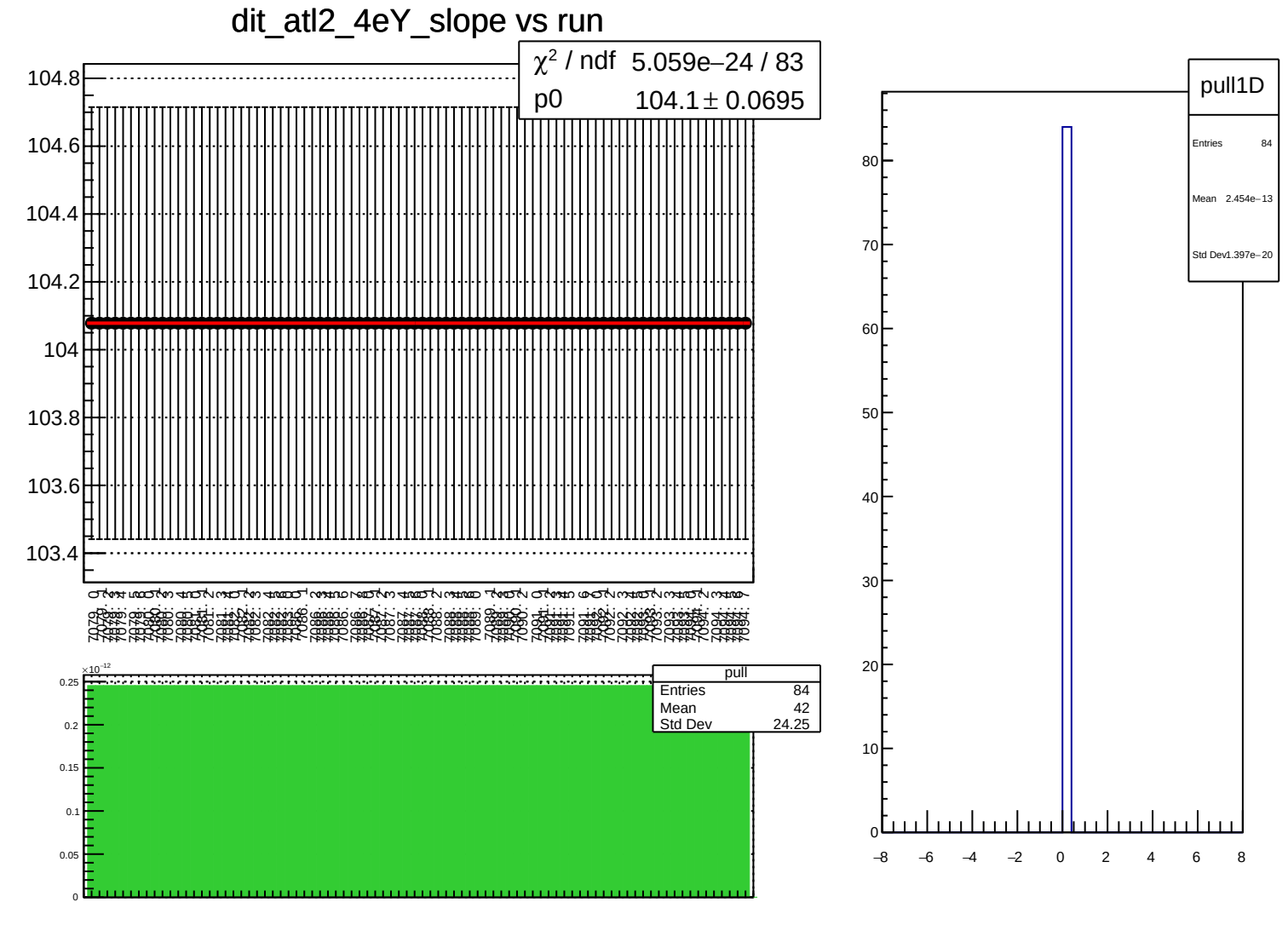

pull1D
Entries 84
Mean −1.341e−13
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

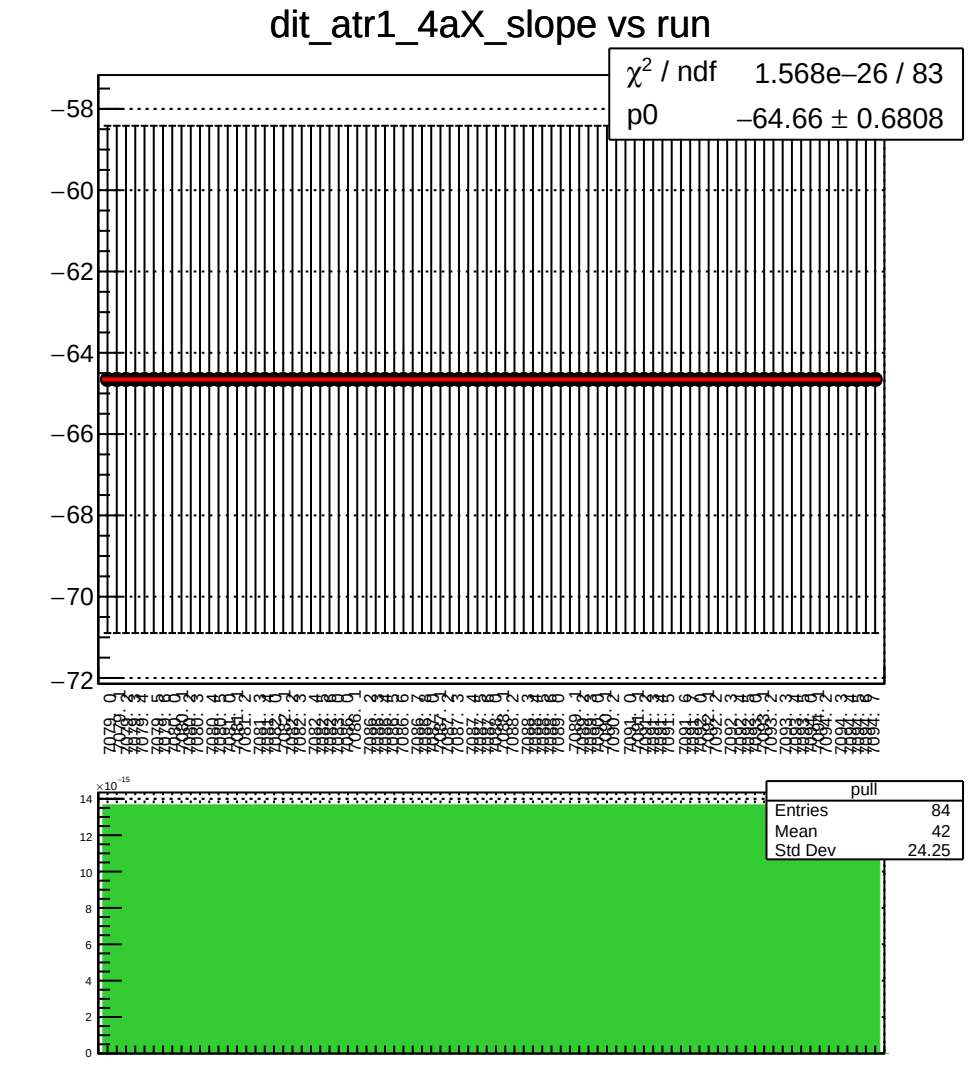

dit_atl2_11X12X_slope vs run
χ² / ndf 1.401e−24 / 83
p0 −291.4 ± 0.1441
−290
−290.5
−291
−291.5
−292
−292.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0

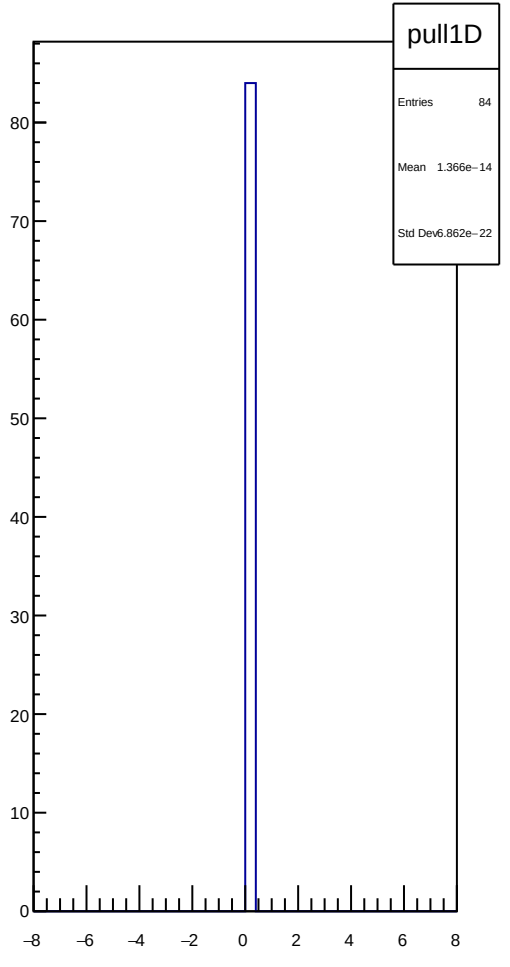

pull1D
Entries 84
Mean 1.291e−13
Std Dev6.561e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

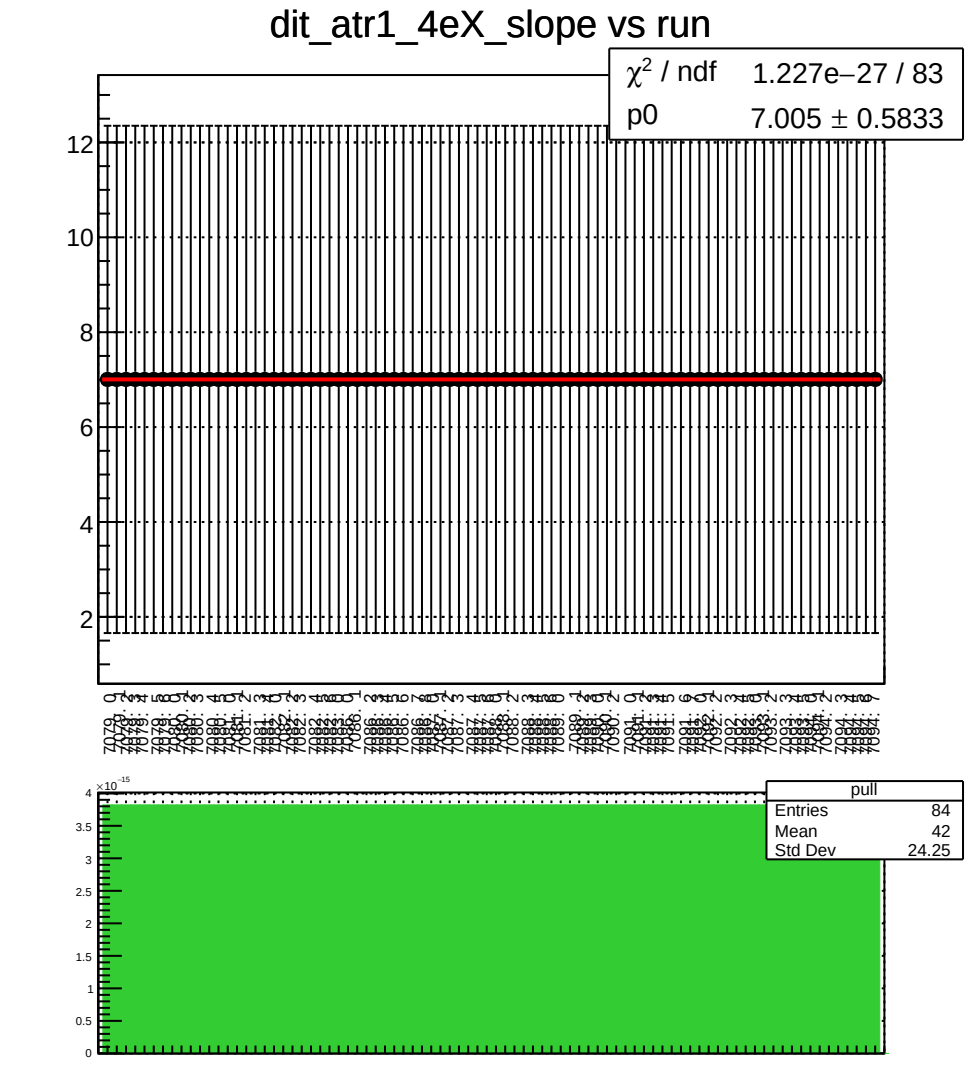

dit_atl2_4aY_slope vs run
χ² / ndf 1.035e−24 / 83
p0 44.67 ± 0.06984
45.4
45.2
45
44.8
44.6
44.4
44.2
44
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

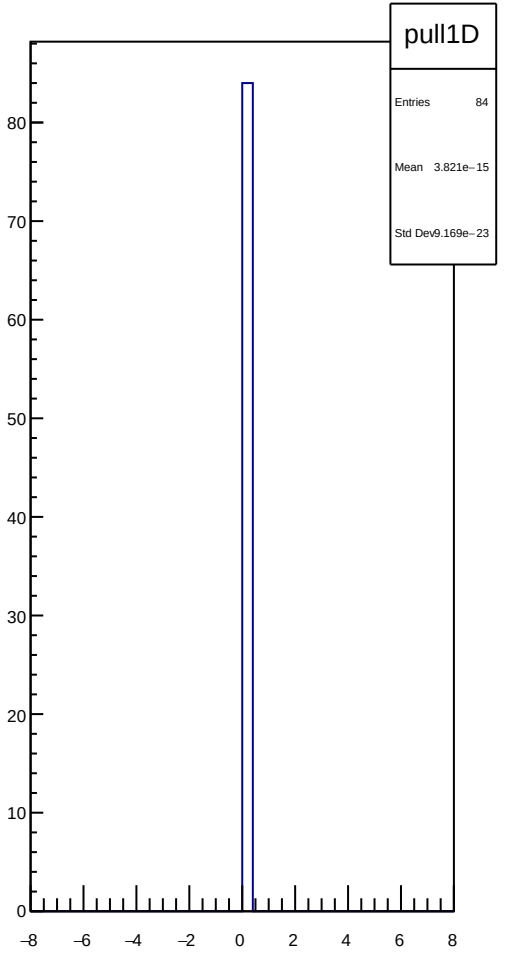

pull1D
Entries 84
Mean 1.11e−13
Std Dev6.108e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

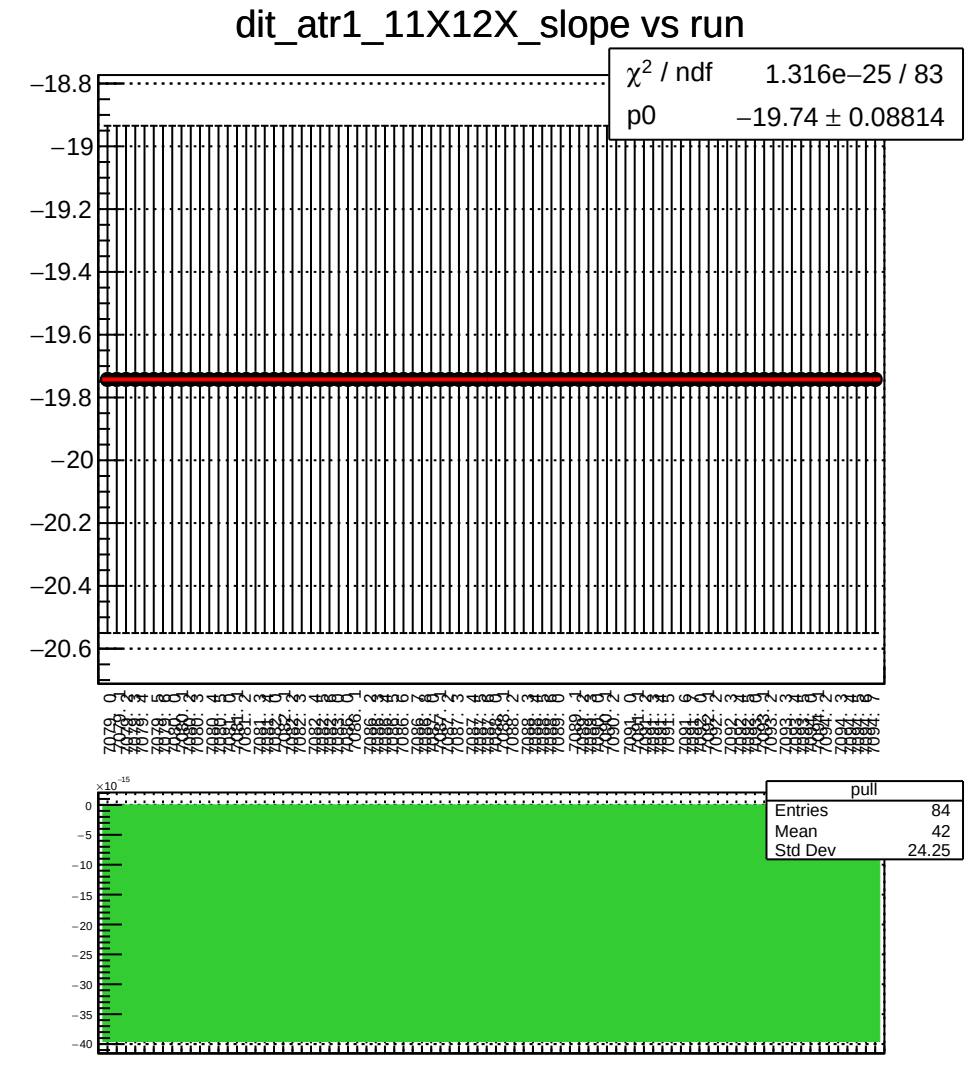

dit_atl2_4eY_slope vs run
χ^2 / ndf 5.059e−24 / 83
p0 104.1 ± 0.0695
104.8
104.6
104.4
104.2
104
103.8
103.6
103.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 84
Mean 2.454e−13
Std Dev 1.397e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

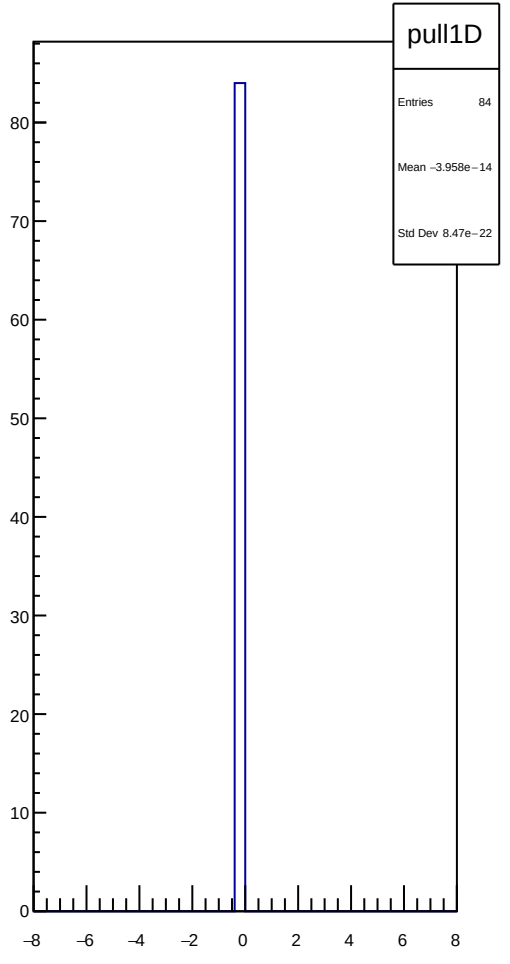

dit_atr1_4aX_slope vs run
χ² / ndf 1.568e−26 / 83
p0 −64.66 ± 0.6808
−58
−60
−62
−64
−66
−68
−70
−72
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
14
12
10
8
6
4
2
0

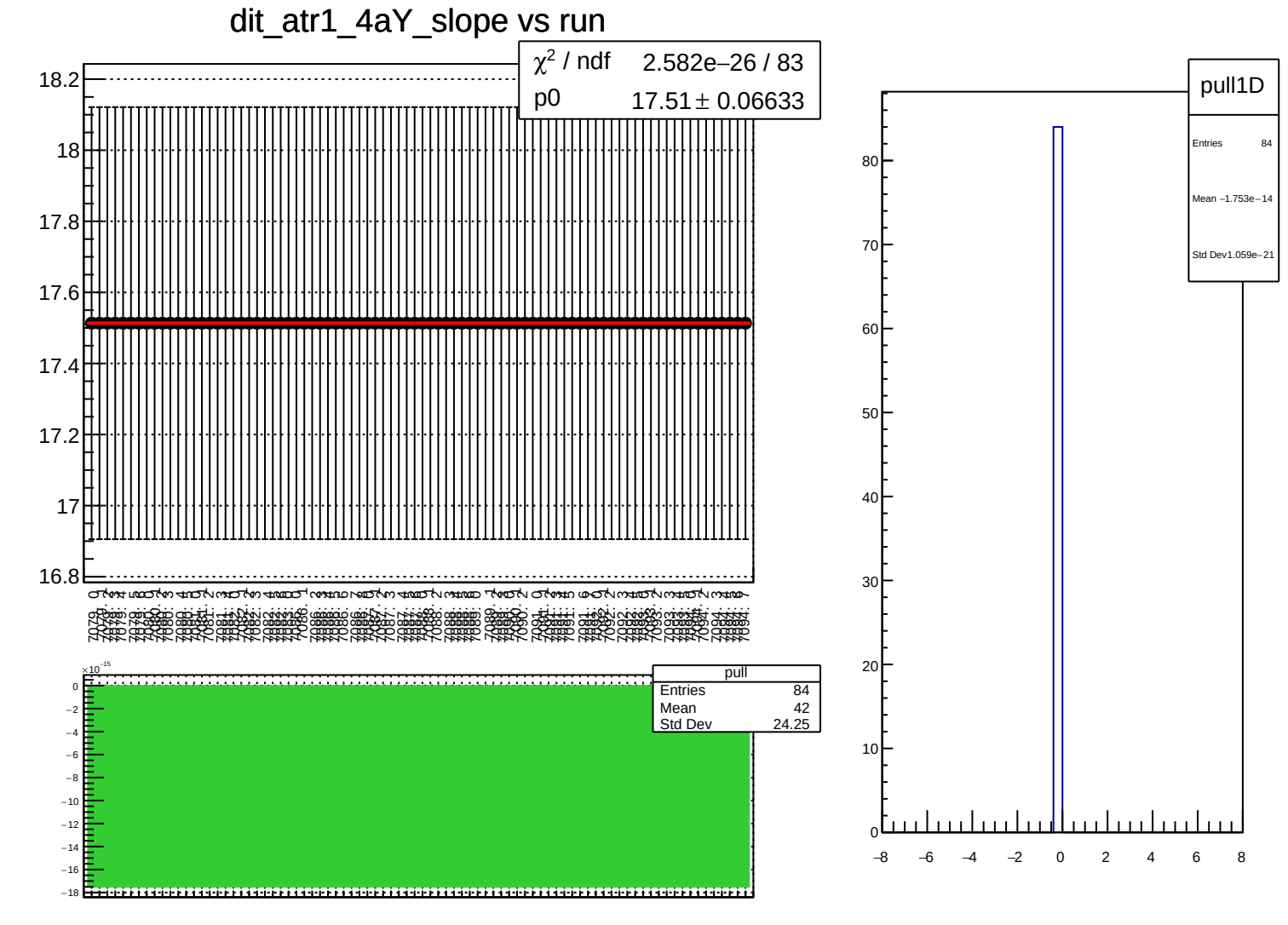

pull1D
Entries 84
Mean 1.366e−14
Std Dev 6.862e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

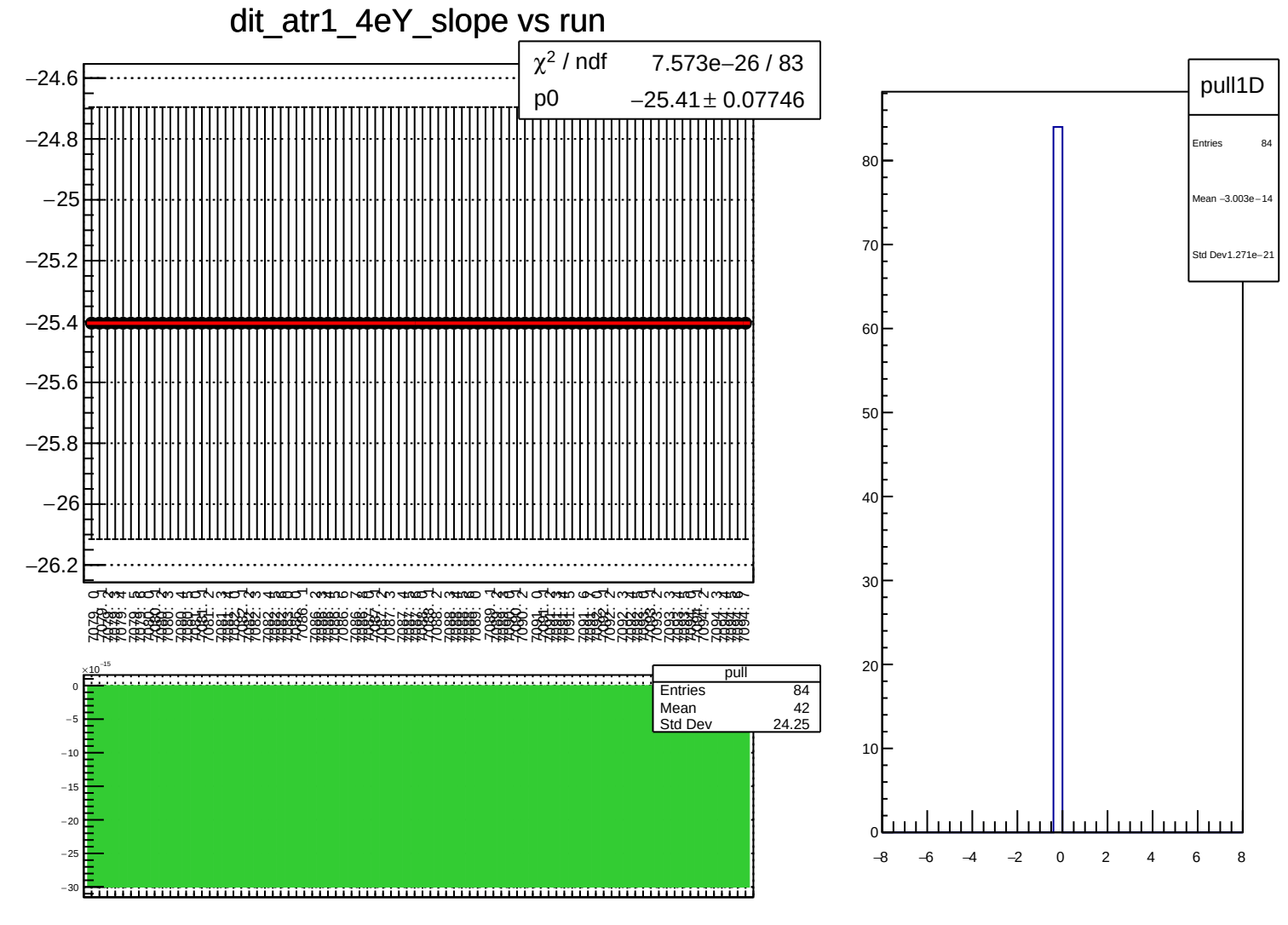

dit_atr1_4eX_slope vs run
χ² / ndf 1.227e−27 / 83
p0 7.005 ± 0.5833
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵

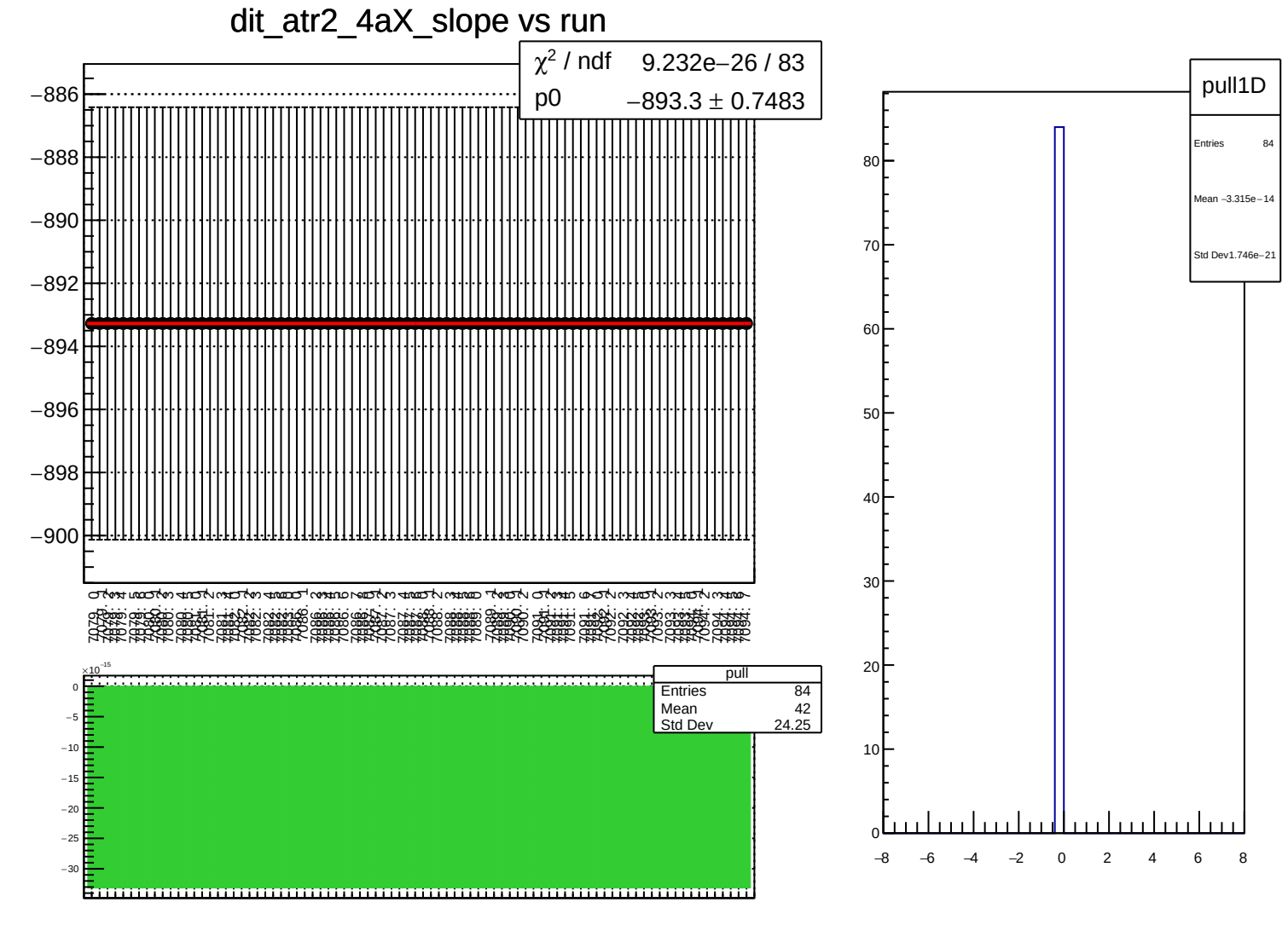

pull1D
Entries 84
Mean 3.821e−15
Std Dev 9.169e−23

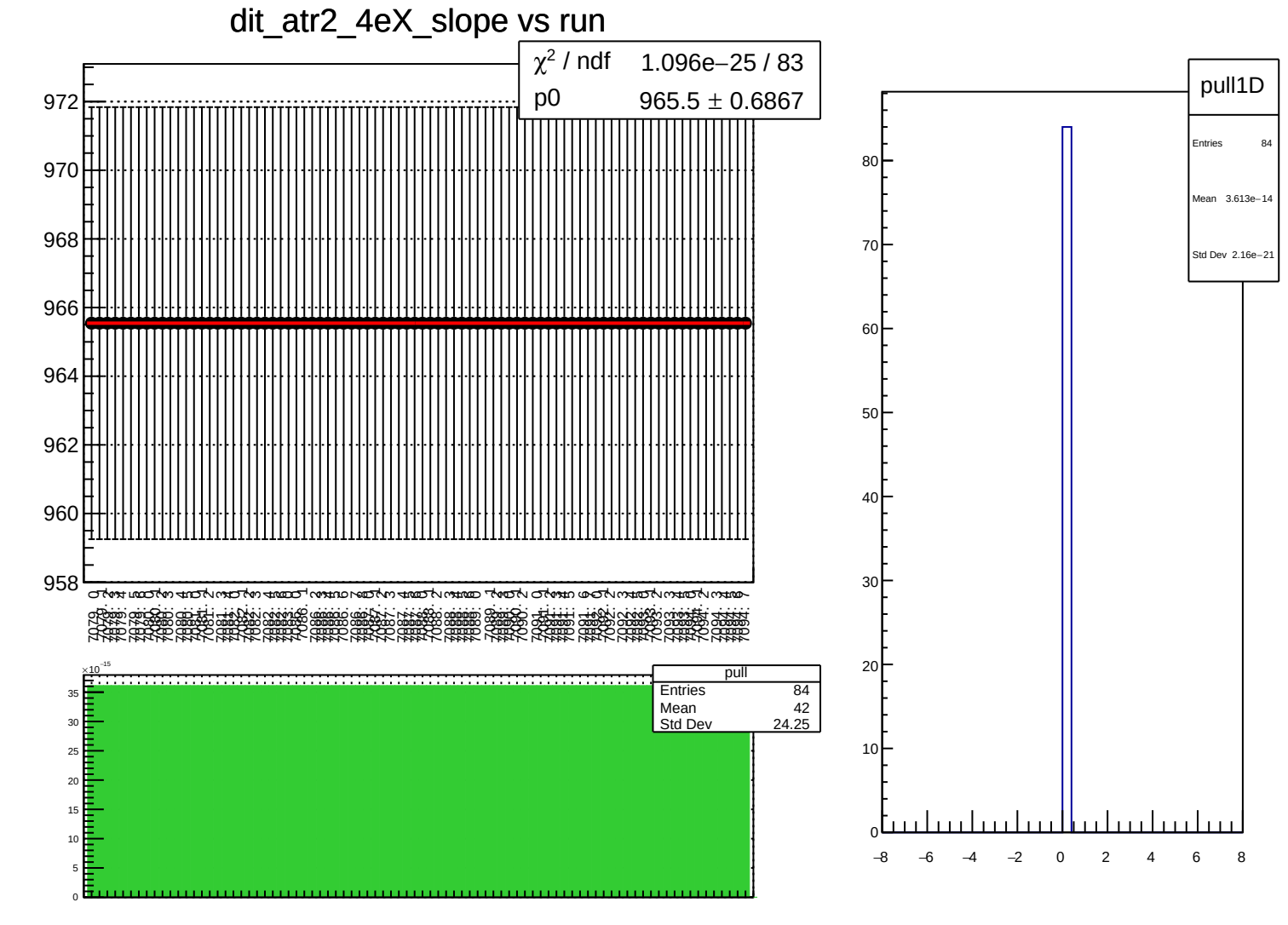

dit_atr1_11X12X_slope vs run
χ² / ndf 1.316e−25 / 83
p0 −19.74 ± 0.08814
−18.8
−19
−19.2
−19.4
−19.6
−19.8
−20
−20.2
−20.4
−20.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40

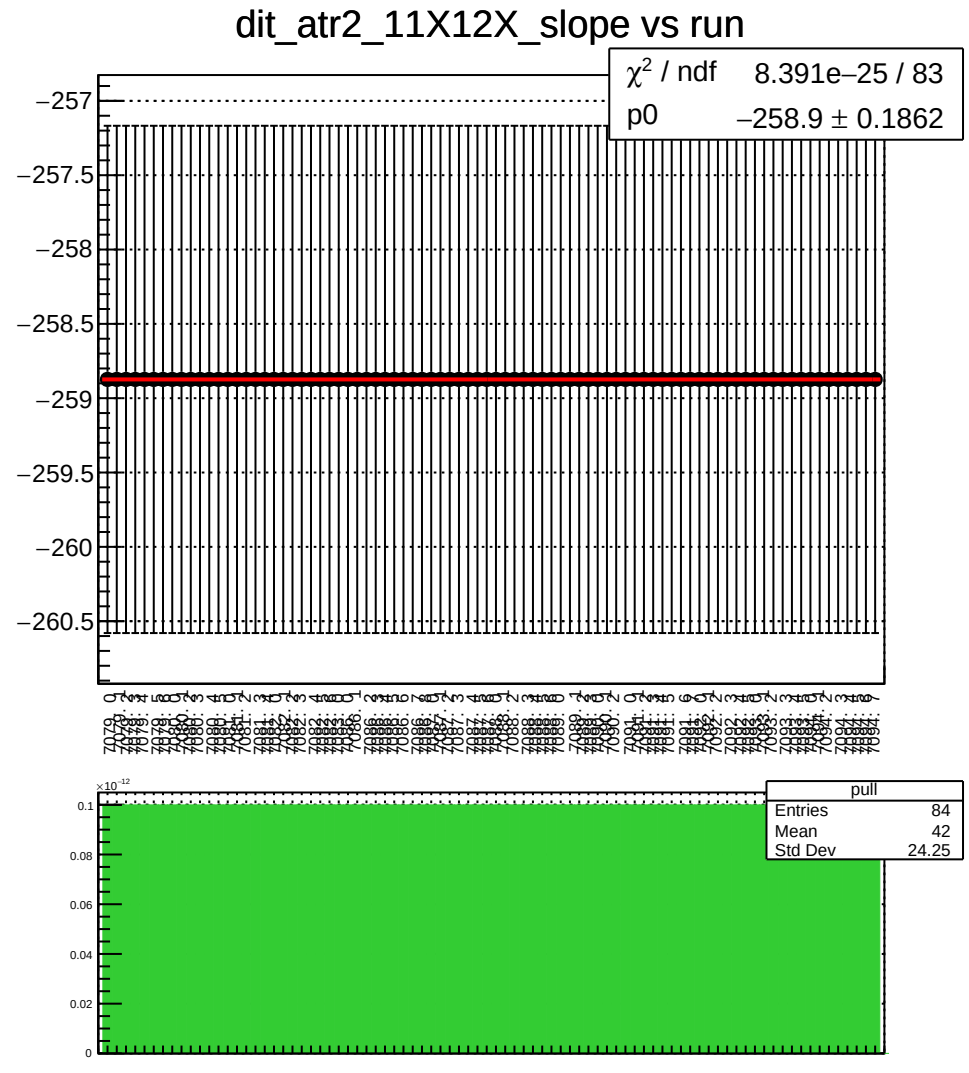

pull1D
Entries 84
Mean −3.958e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

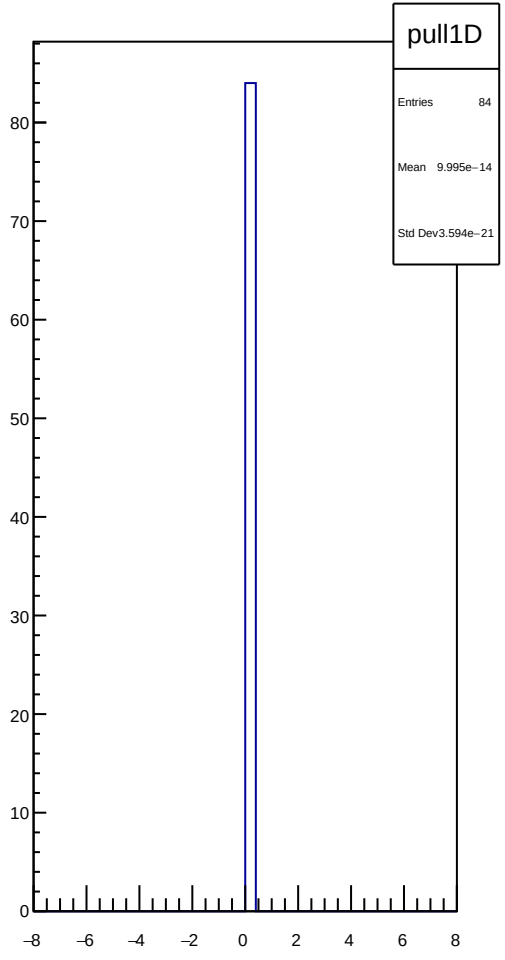

dit_atr1_4aY_slope vs run
χ² / ndf 2.582e−26 / 83
p0 17.51 ± 0.06633
18.2
18
17.8
17.6
17.4
17.2
17
16.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 84
Mean −1.753e−14
Std Dev1.059e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

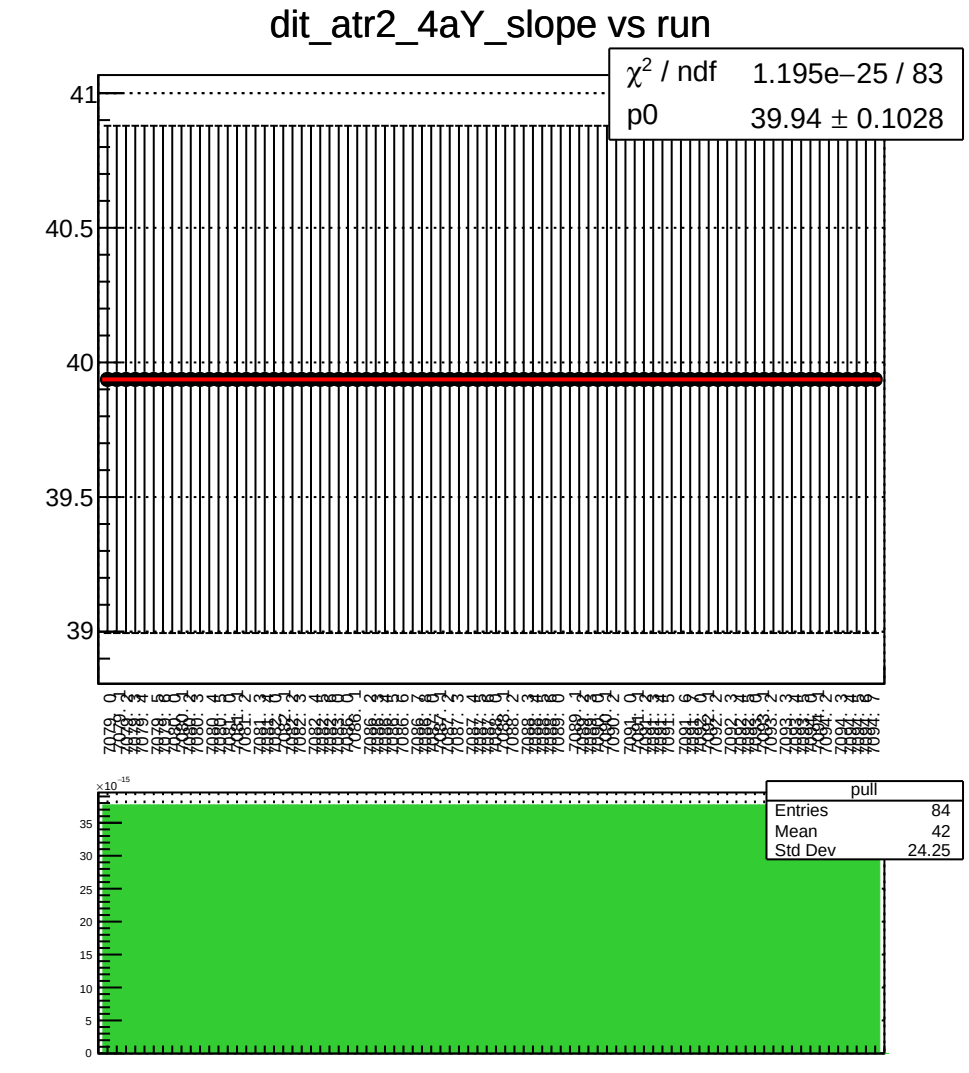

dit_atr1_4eY_slope vs run
χ² / ndf 7.573e−26 / 83
p0 −25.41 ± 0.07746
−24.6
−24.8
−25
−25.2
−25.4
−25.6
−25.8
−26
−26.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 84
Mean −3.003e−14
Std Dev1.271e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

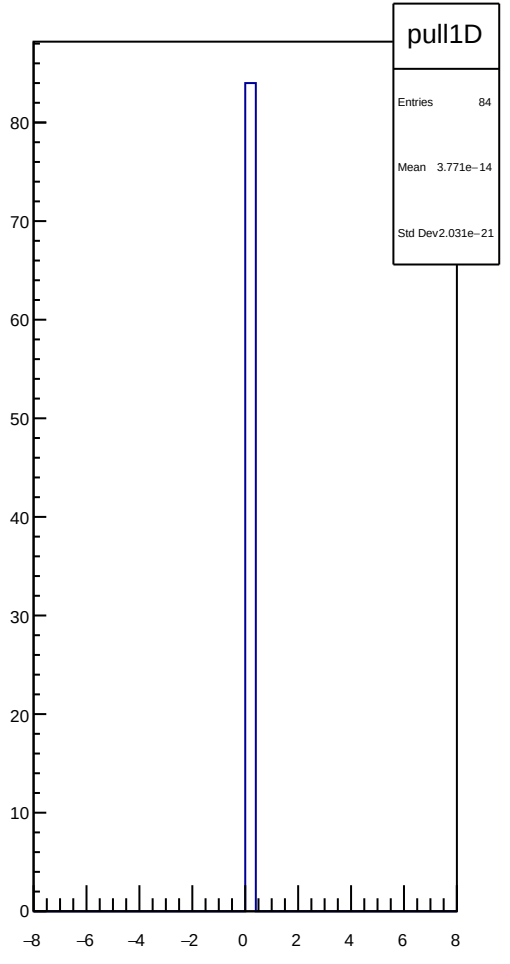

dit_atr2_4aX_slope vs run
χ^2 / ndf 9.232e−26 / 83
p0 −893.3 ± 0.7483
−886
−888
−890
−892
−894
−896
−898
−900
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
pull1D
Entries 84
Mean −3.315e−14
Std Dev1.746e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

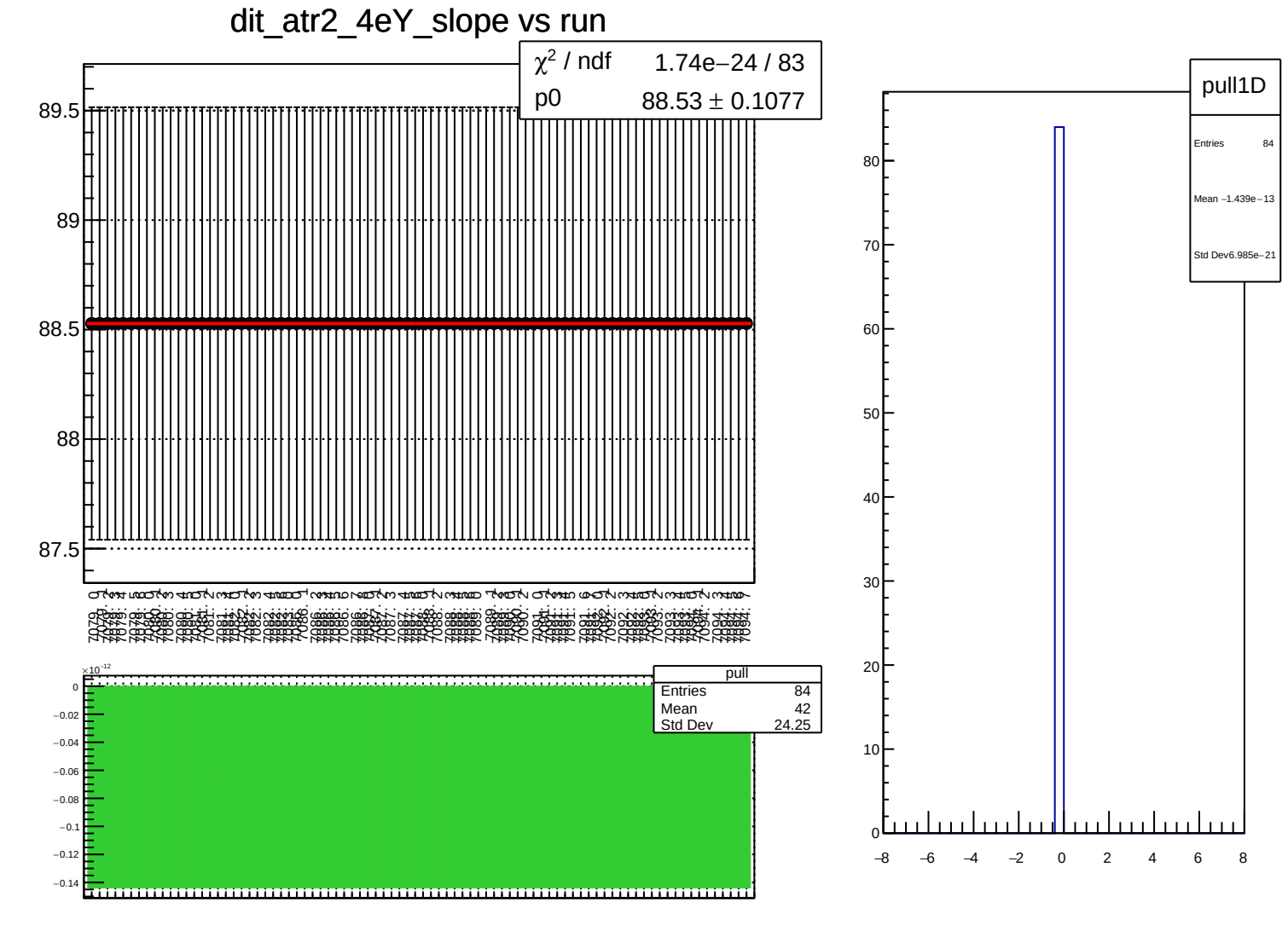

dit_atr2_4eX_slope vs run
χ² / ndf 1.096e−25 / 83
p0 965.5 ± 0.6867
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 3.613e−14
Std Dev 2.16e−21

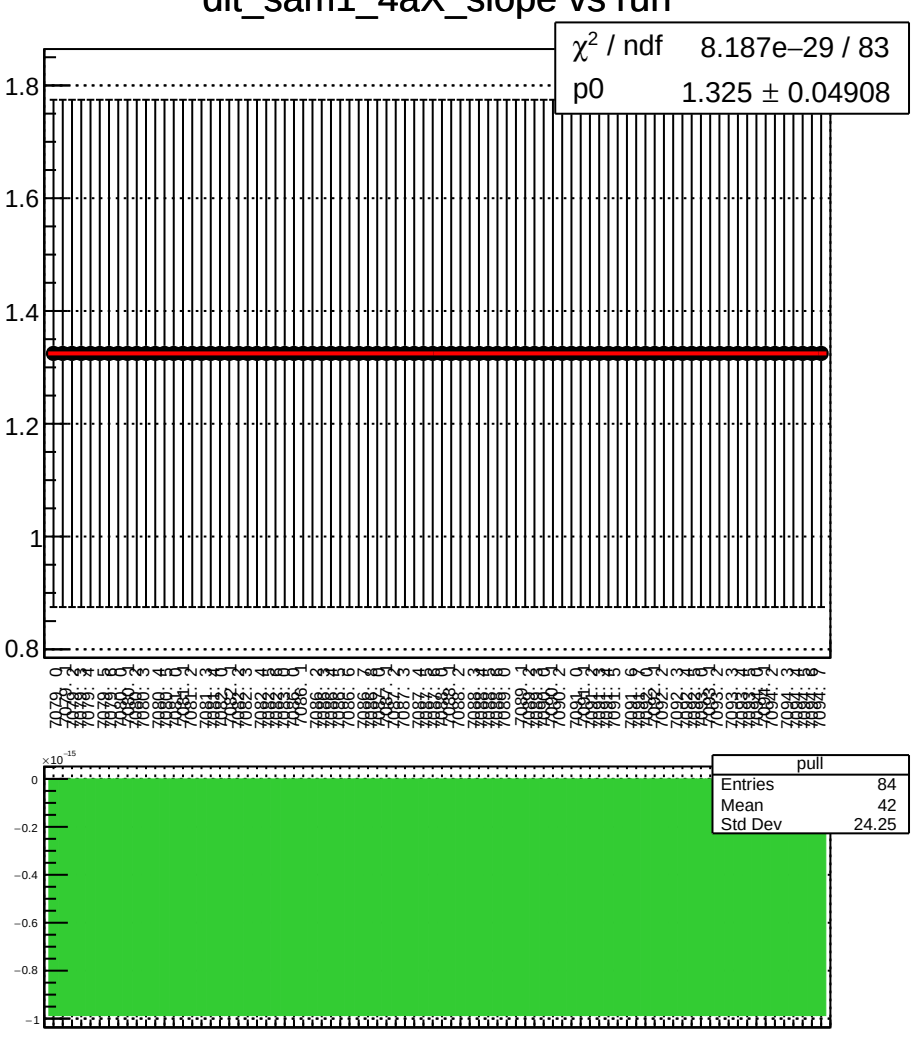

dit_atr2_11X12X_slope vs run
χ² / ndf 8.391e−25 / 83
p0 −258.9 ± 0.1862
−257
−257.5
−258
−258.5
−259
−259.5
−260
−260.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

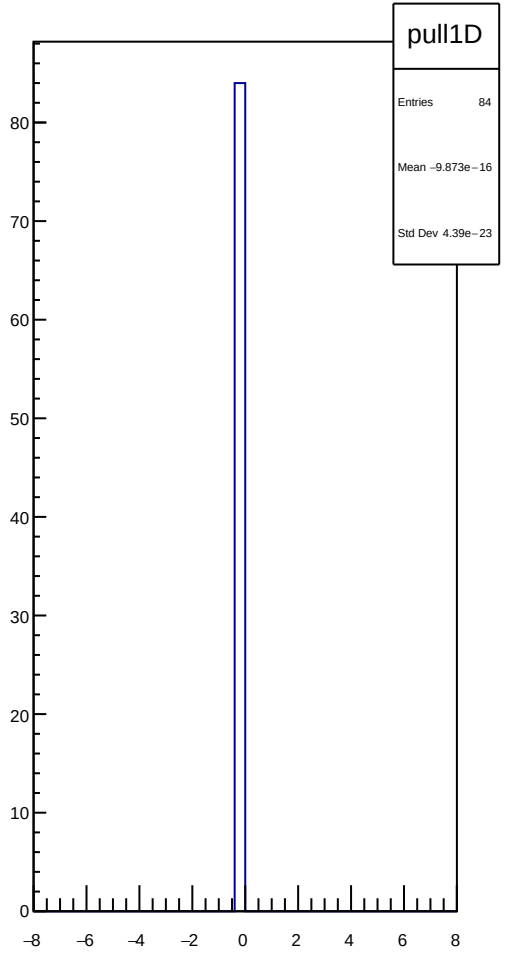

pull1D
Entries 84
Mean 9.995e−14
Std Dev3.594e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

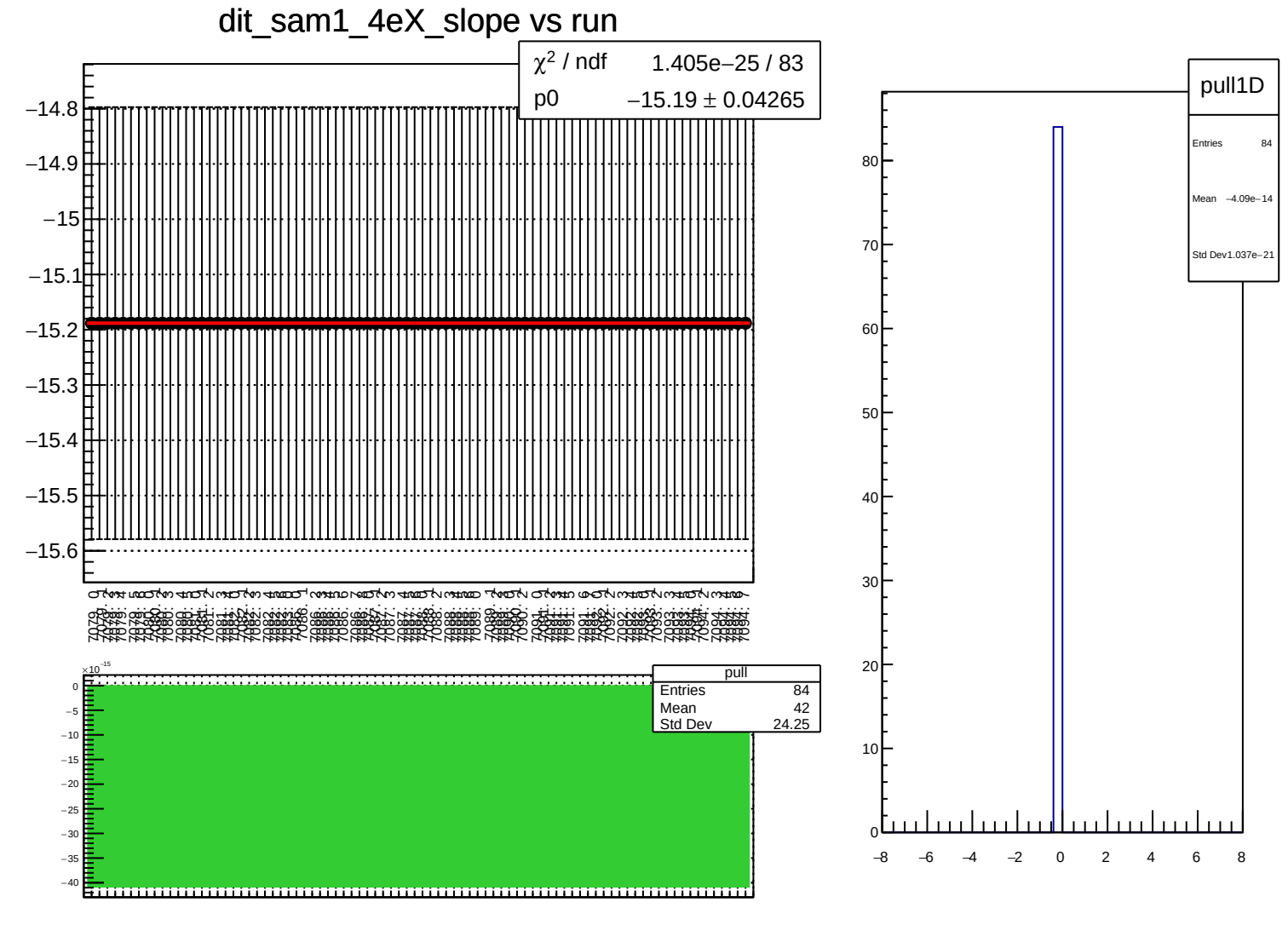

dit_atr2_4aY_slope vs run
χ² / ndf 1.195e−25 / 83
p0 39.94 ± 0.1028
41
40.5
40
39.5
39
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
35
30
25
20
15
10
5
0

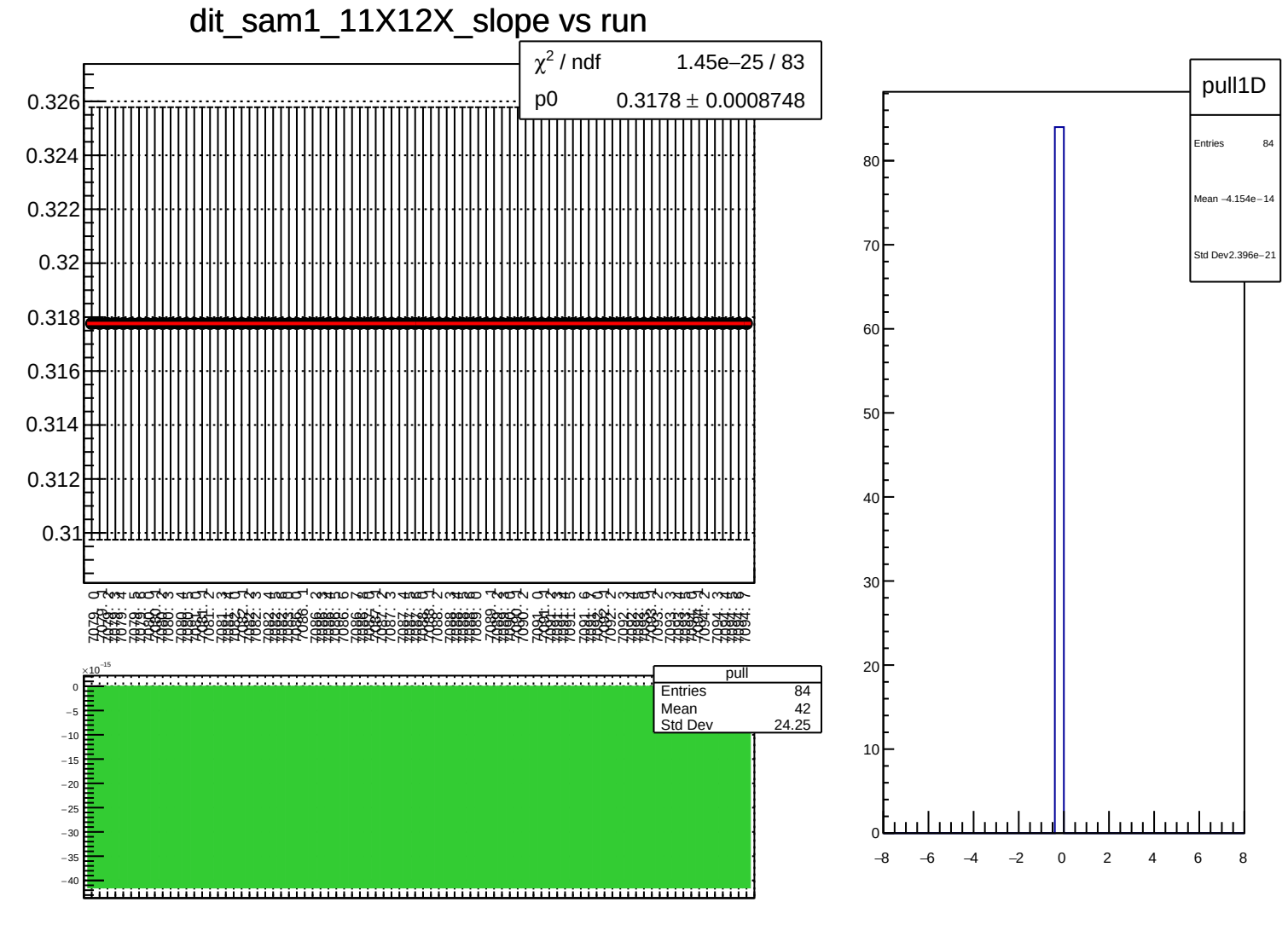

pull1D
Entries 84
Mean 3.771e−14
Std Dev2.031e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

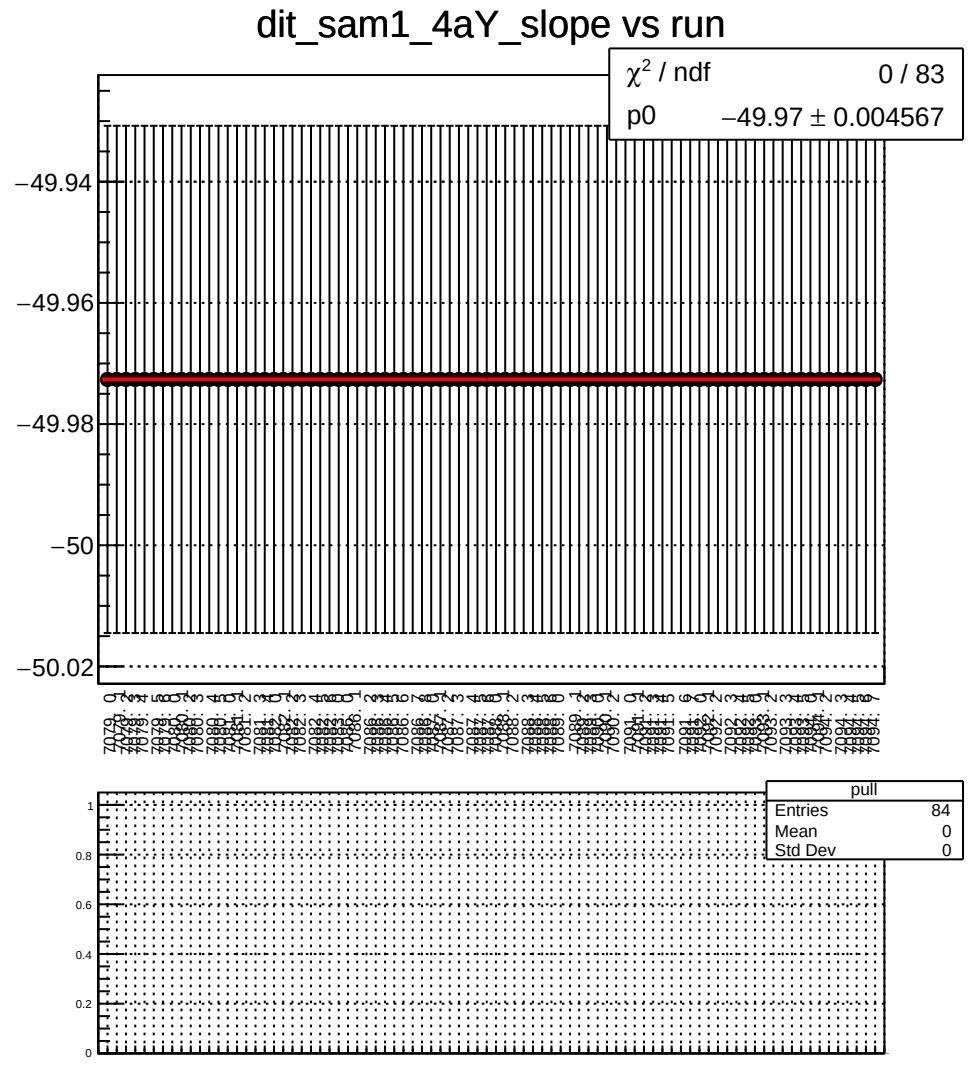

dit_atr2_4eY_slope vs run
χ² / ndf 1.74e−24 / 83
p0 88.53 ± 0.1077
89.5
89
88.5
88
87.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
pull1D
Entries 84
Mean −1.439e−13
Std Dev6.985e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

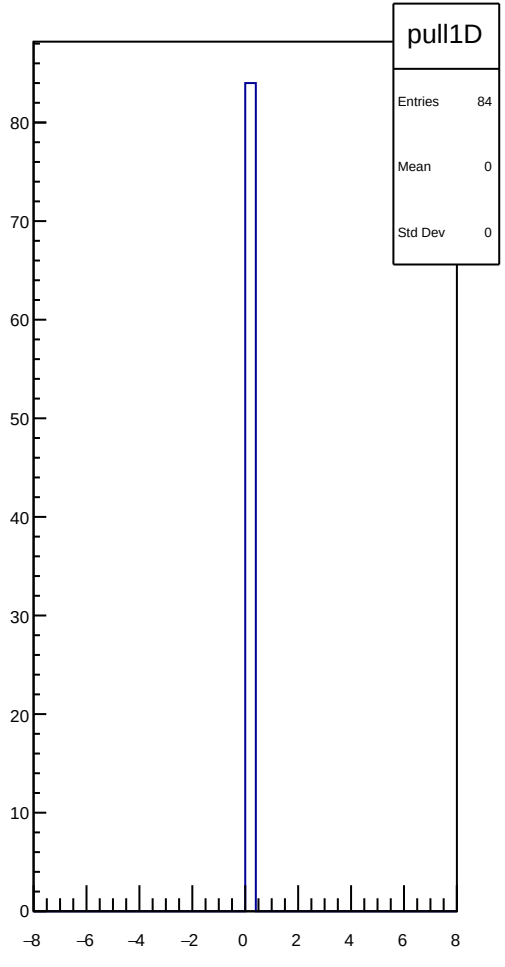

dit_sam1_4aX_slope vs run
χ² / ndf 8.187e−29 / 83
p0 1.325 ± 0.04908
1.8
1.6
1.4
1.2
1
0.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−0.2
−0.4
−0.6
−0.8
−1

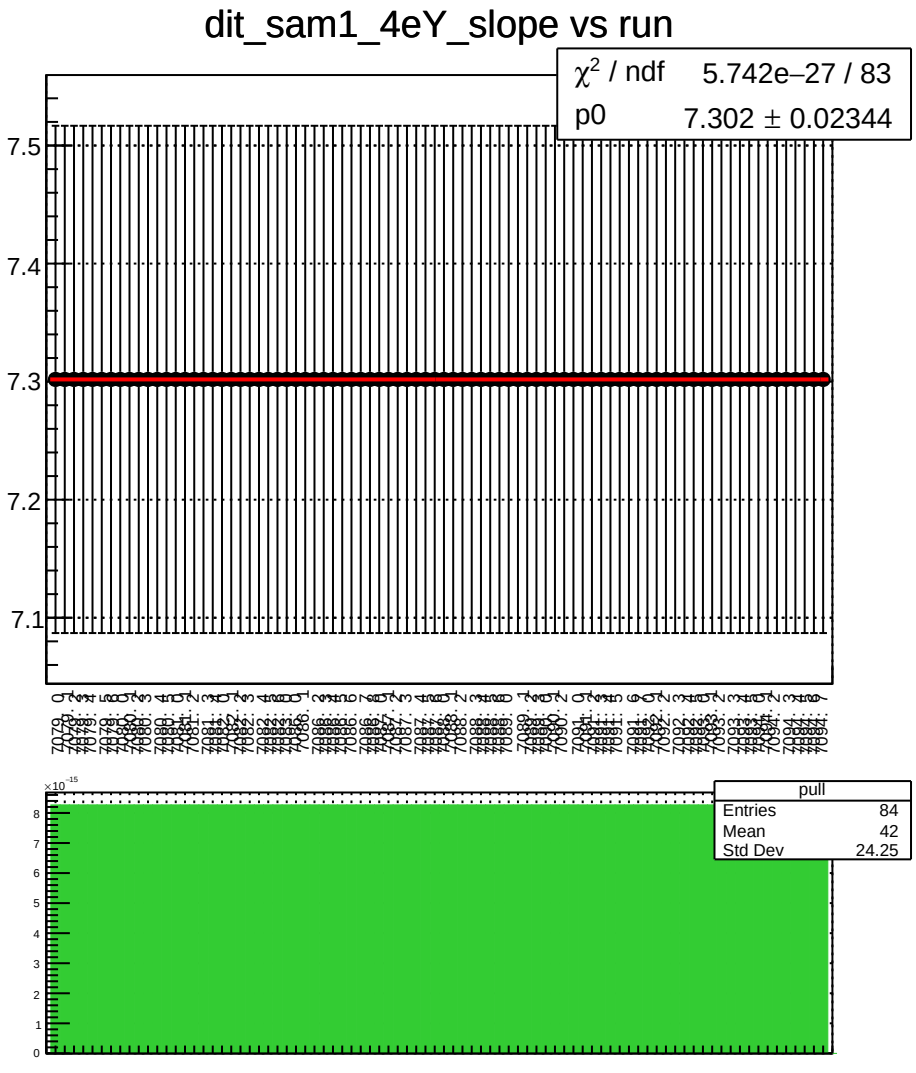

pull1D
Entries 84
Mean −9.873e−16
Std Dev 4.39e−23
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

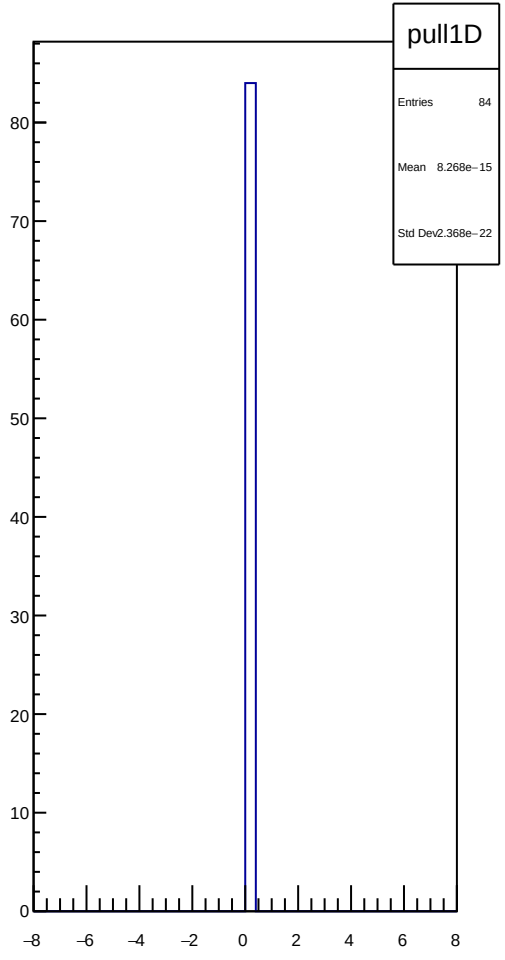

dit_sam1_4eX_slope vs run
χ² / ndf 1.405e−25 / 83
p0 −15.19 ± 0.04265
−14.8
−14.9
−15
−15.1
−15.2
−15.3
−15.4
−15.5
−15.6
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −4.09e−14
Std Dev1.037e−21

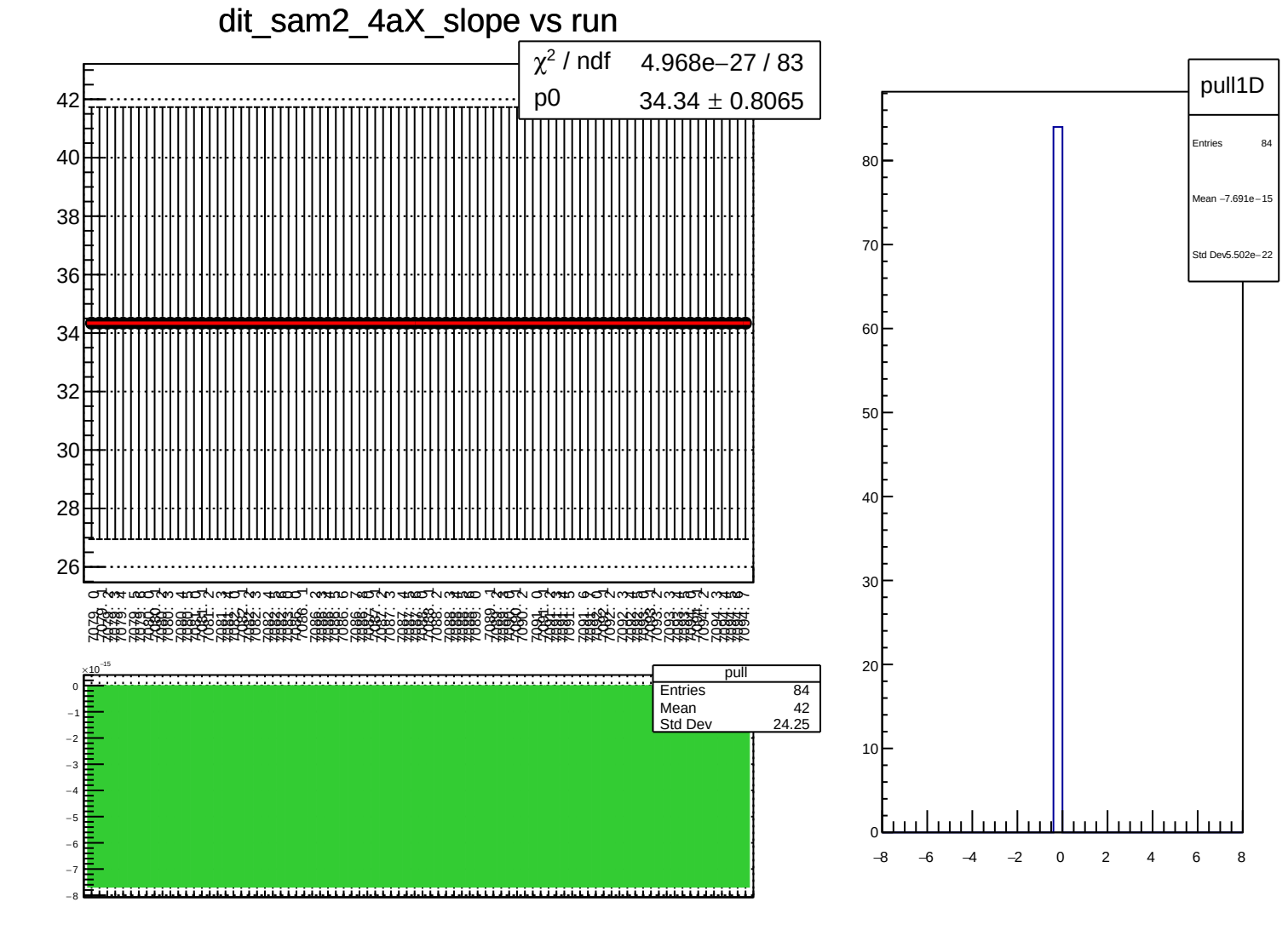

dit_sam1_11X12X_slope vs run
χ² / ndf 1.45e−25 / 83
p0 0.3178 ± 0.0008748
0.326
0.324
0.322
0.32
0.318
0.316
0.314
0.312
0.31
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 84
Mean −4.154e−14
Std Dev2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

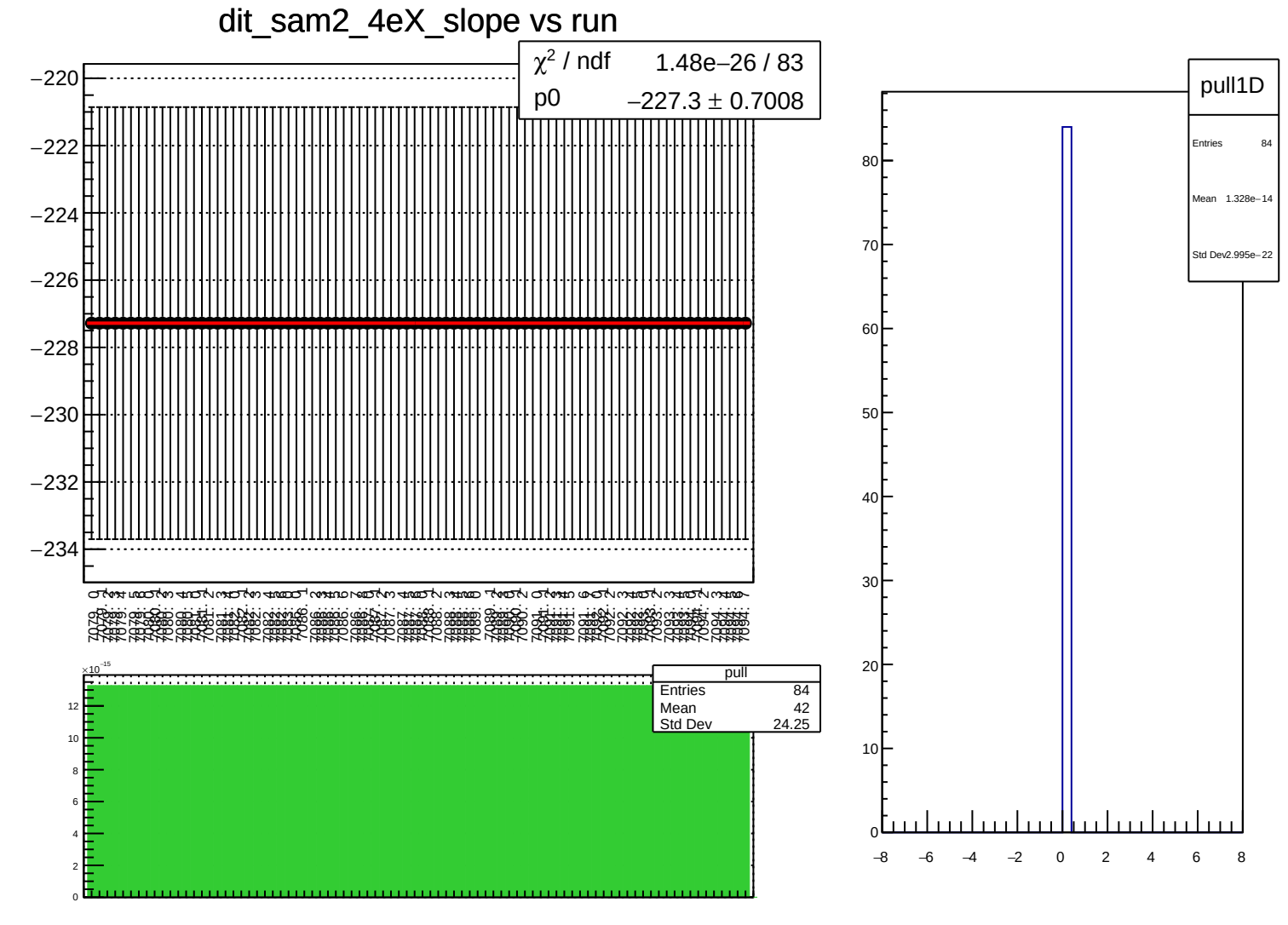

dit_sam1_4aY_slope vs run
χ² / ndf 0 / 83
p0 −49.97 ± 0.004567
−49.94
−49.96
−49.98
−50
−50.02
pull
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

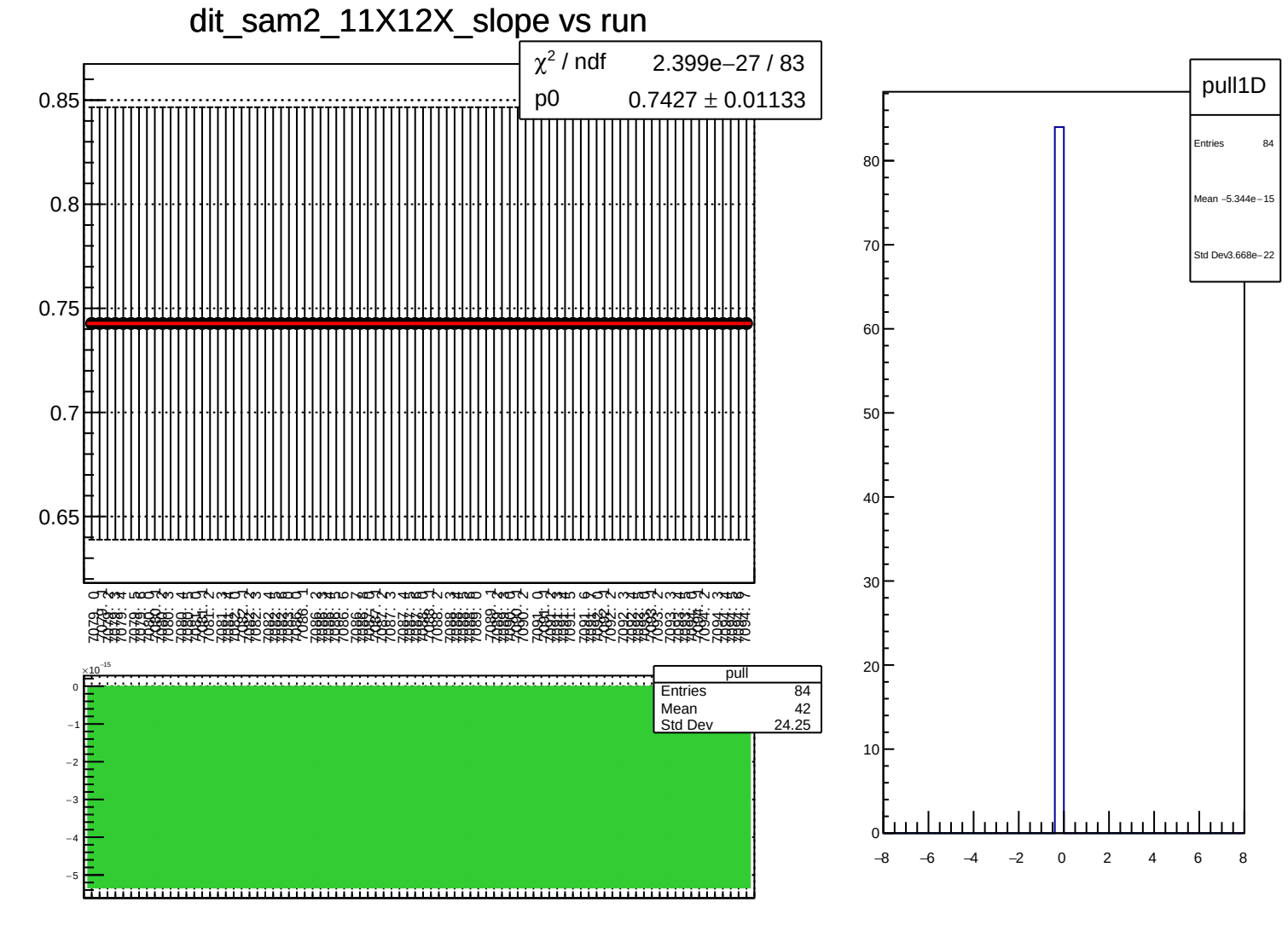

pull1D
Entries 84
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

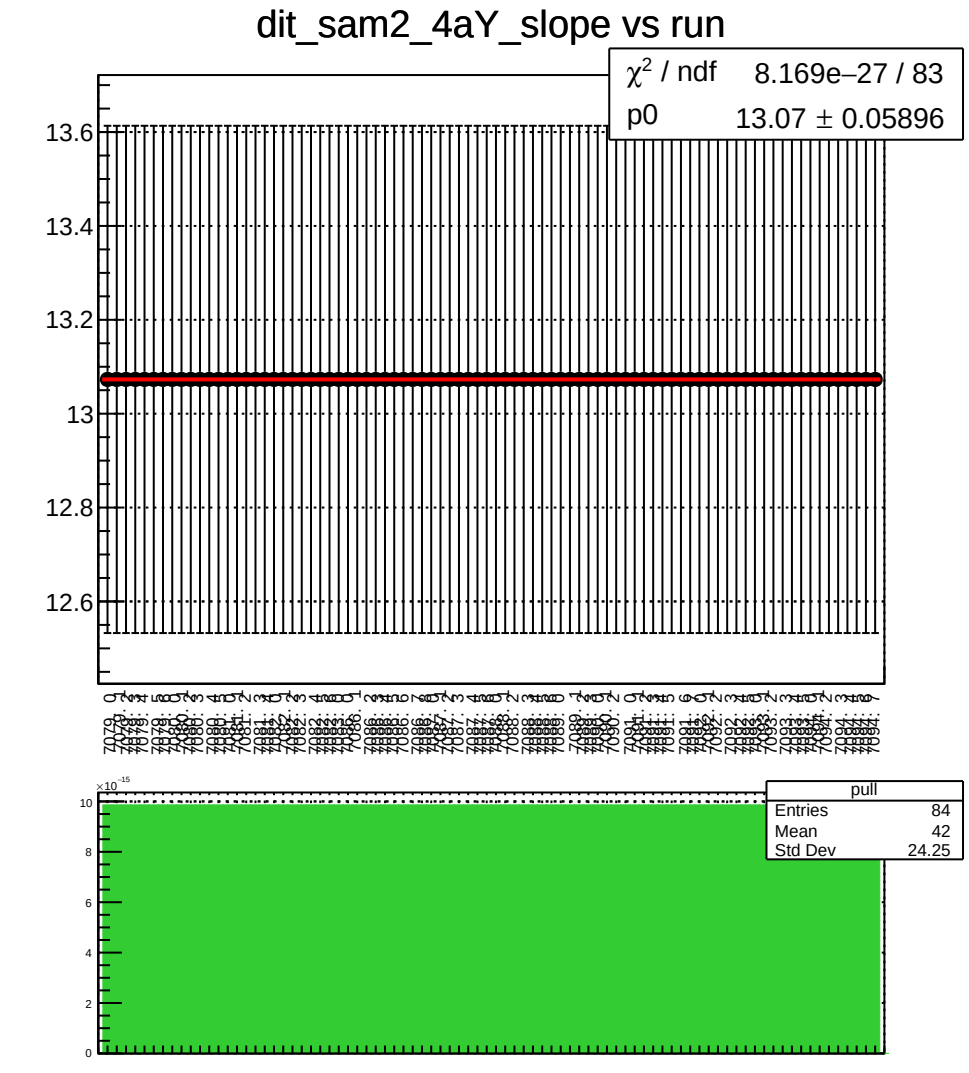

dit_sam1_4eY_slope vs run
χ² / ndf 5.742e−27 / 83
p0 7.302 ± 0.02344
7.5
7.4
7.3
7.2
7.1
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵

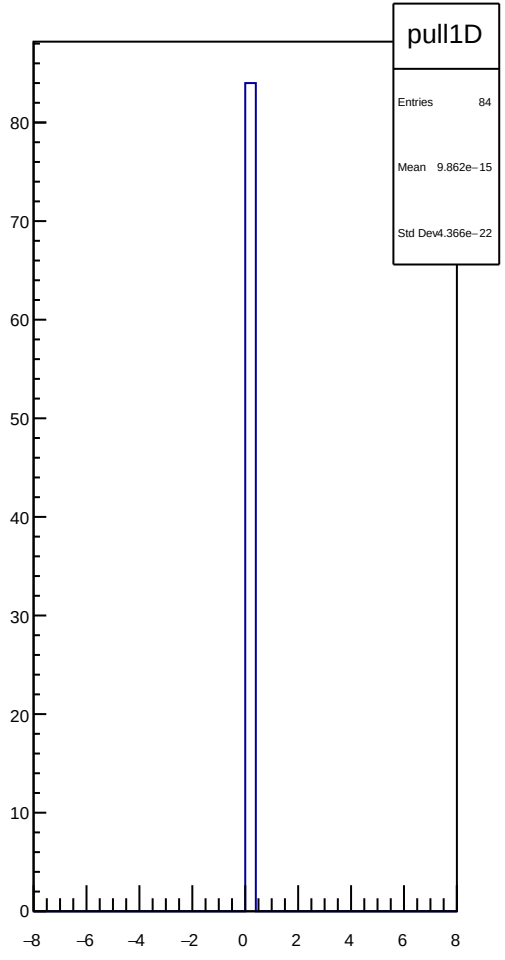

pull1D
Entries 84
Mean 8.268e−15
Std Dev 2.368e−22

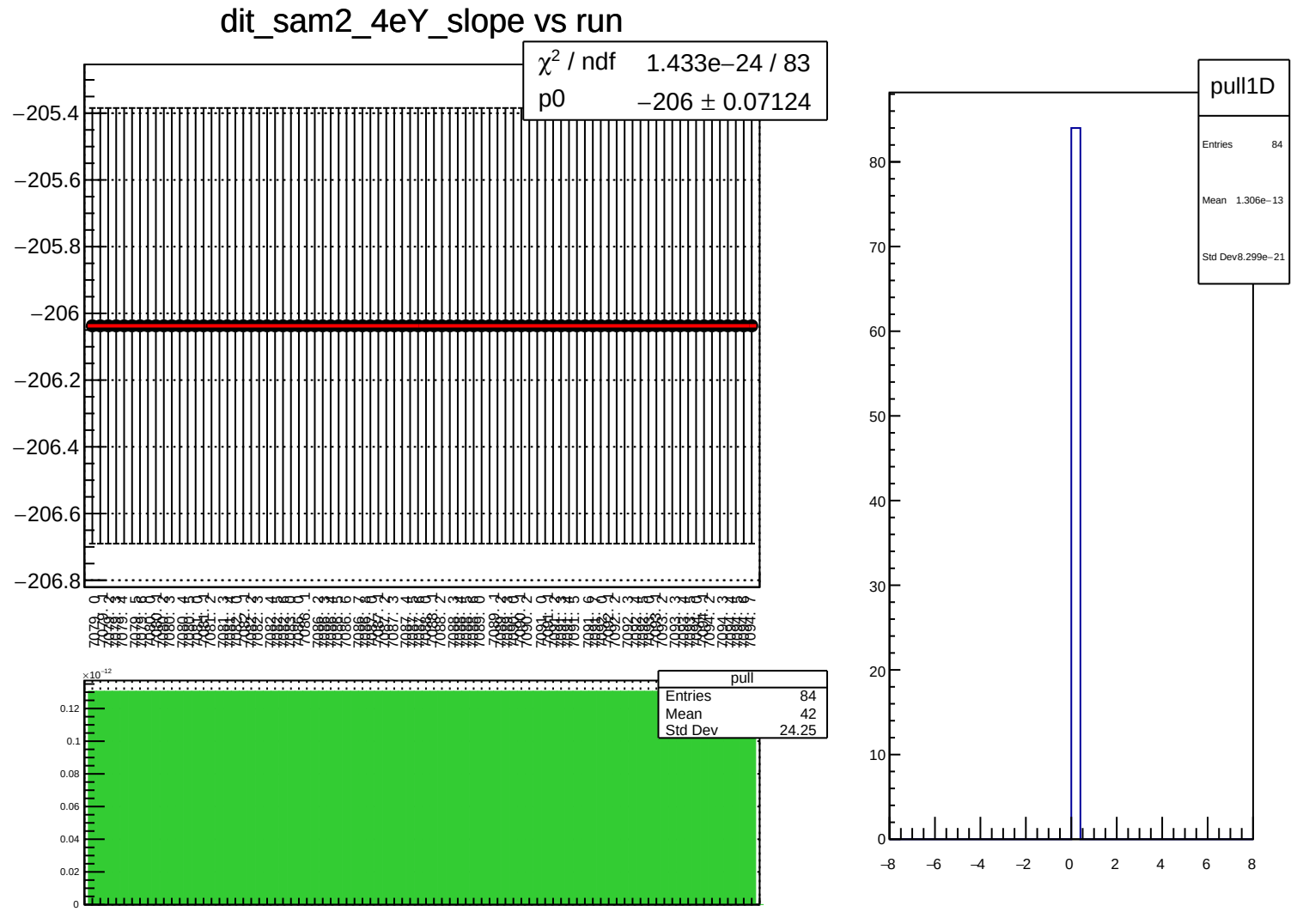

dit_sam2_4aX_slope vs run
χ² / ndf 4.968e−27 / 83
p0 34.34 ± 0.8065
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean −7.691e−15
Std Dev5.502e−22

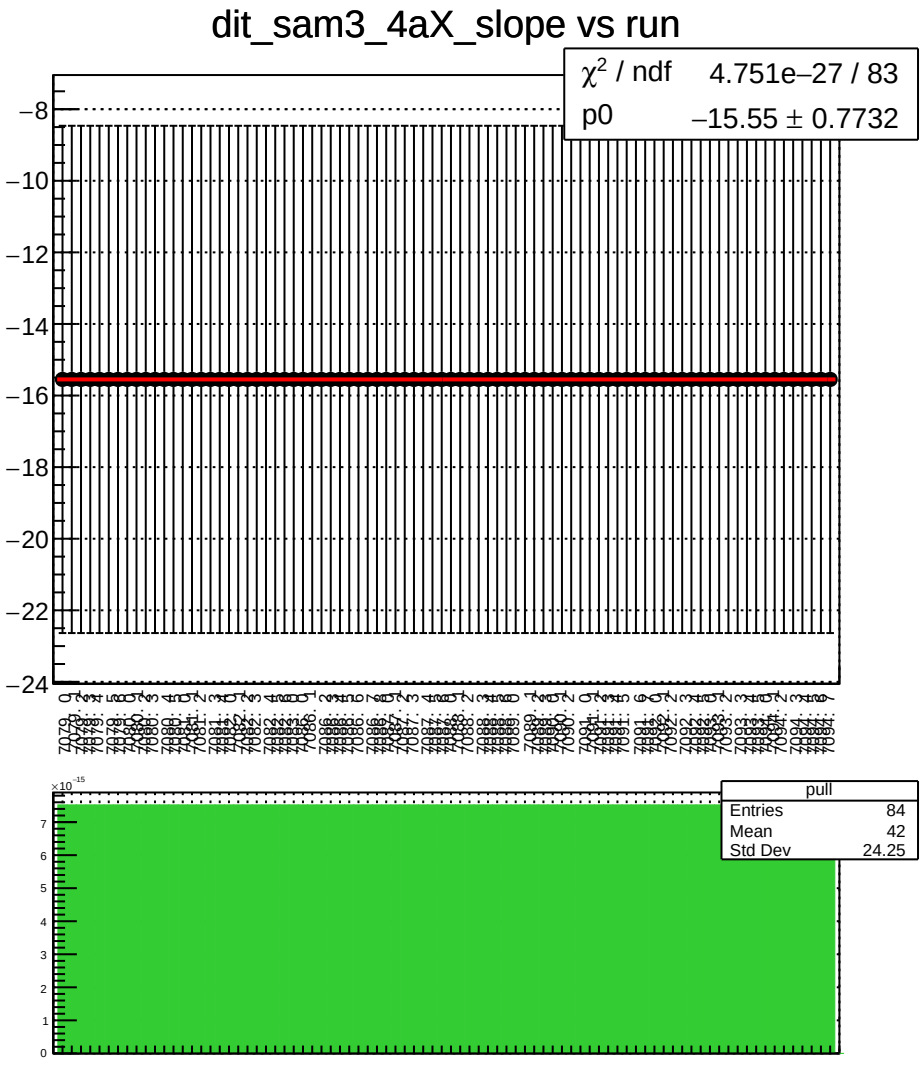

dit_sam2_4eX_slope vs run
χ² / ndf 1.48e−26 / 83
p0 −227.3 ± 0.7008
−220
−222
−224
−226
−228
−230
−232
−234
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
12
10
8
6
4
2
0
pull1D
Entries 84
Mean 1.328e−14
Std Dev 2.995e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

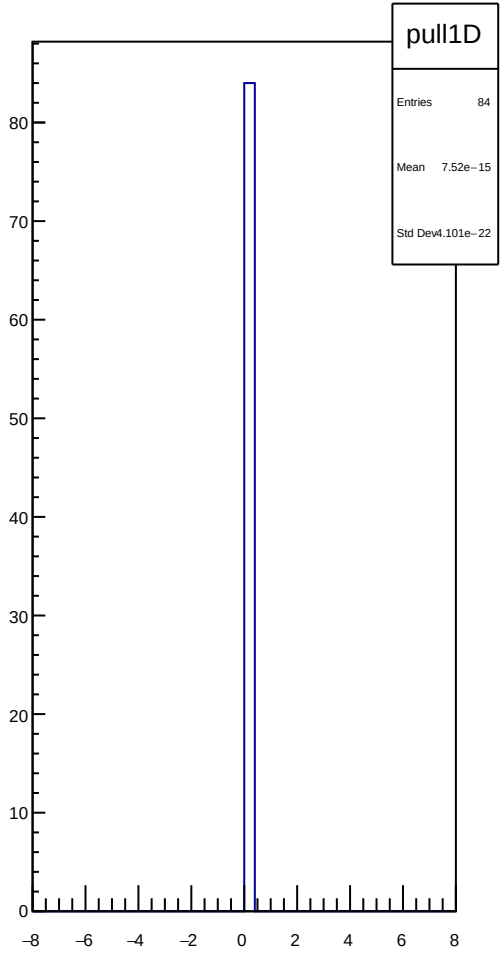

dit_sam2_11X12X_slope vs run
χ² / ndf 2.399e−27 / 83
p0 0.7427 ± 0.01133
0.85
0.8
0.75
0.7
0.65
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−1
−2
−3
−4
−5
pull1D
Entries 84
Mean −5.344e−15
Std Dev3.668e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

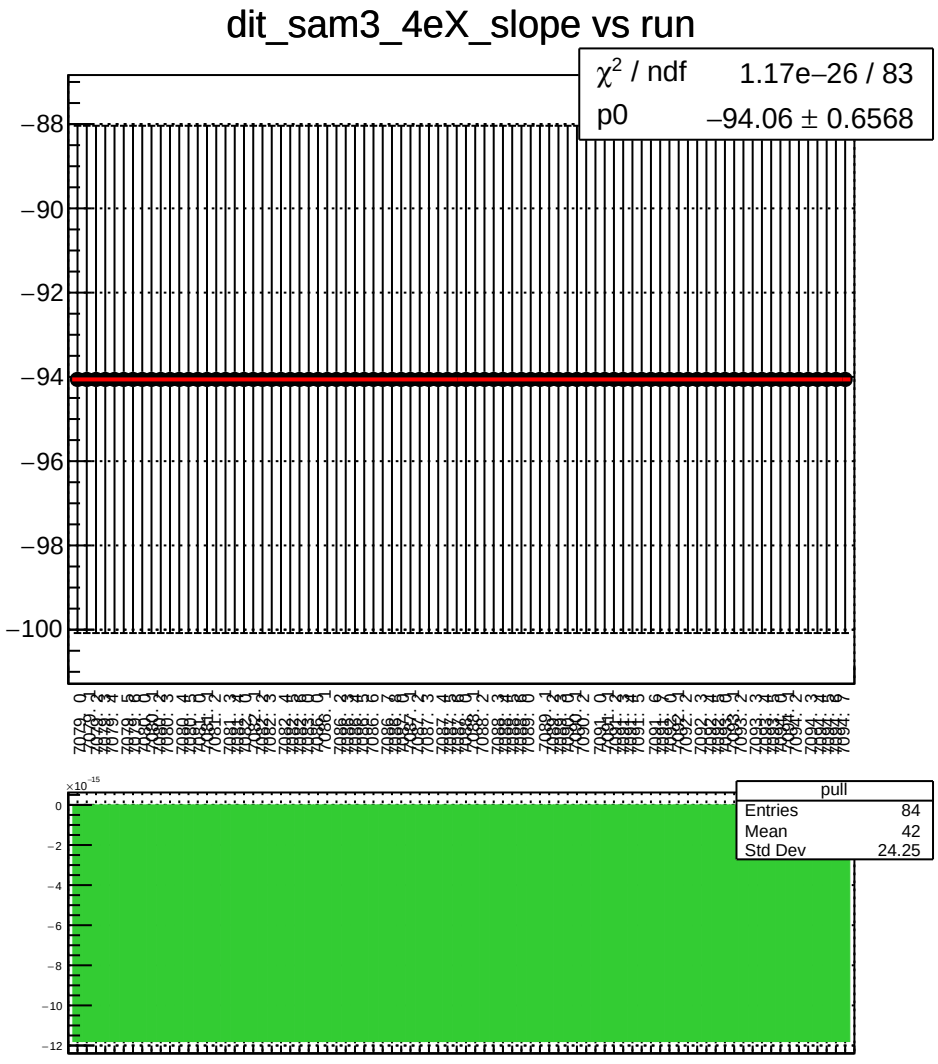

dit_sam2_4aY_slope vs run
χ² / ndf 8.169e−27 / 83
p0 13.07 ± 0.05896
13.6
13.4
13.2
13
12.8
12.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
10
8
6
4
2
0

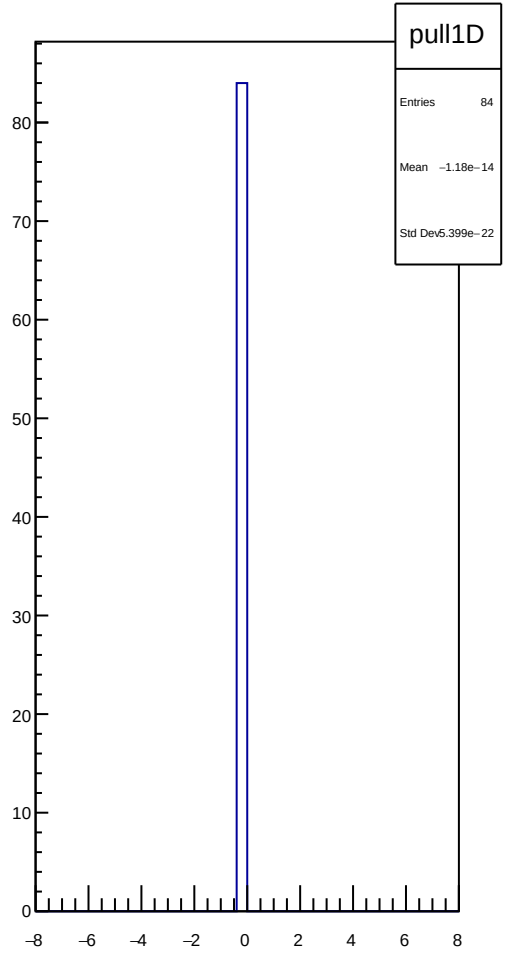

pull1D
Entries 84
Mean 9.862e−15
Std Dev 4.366e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

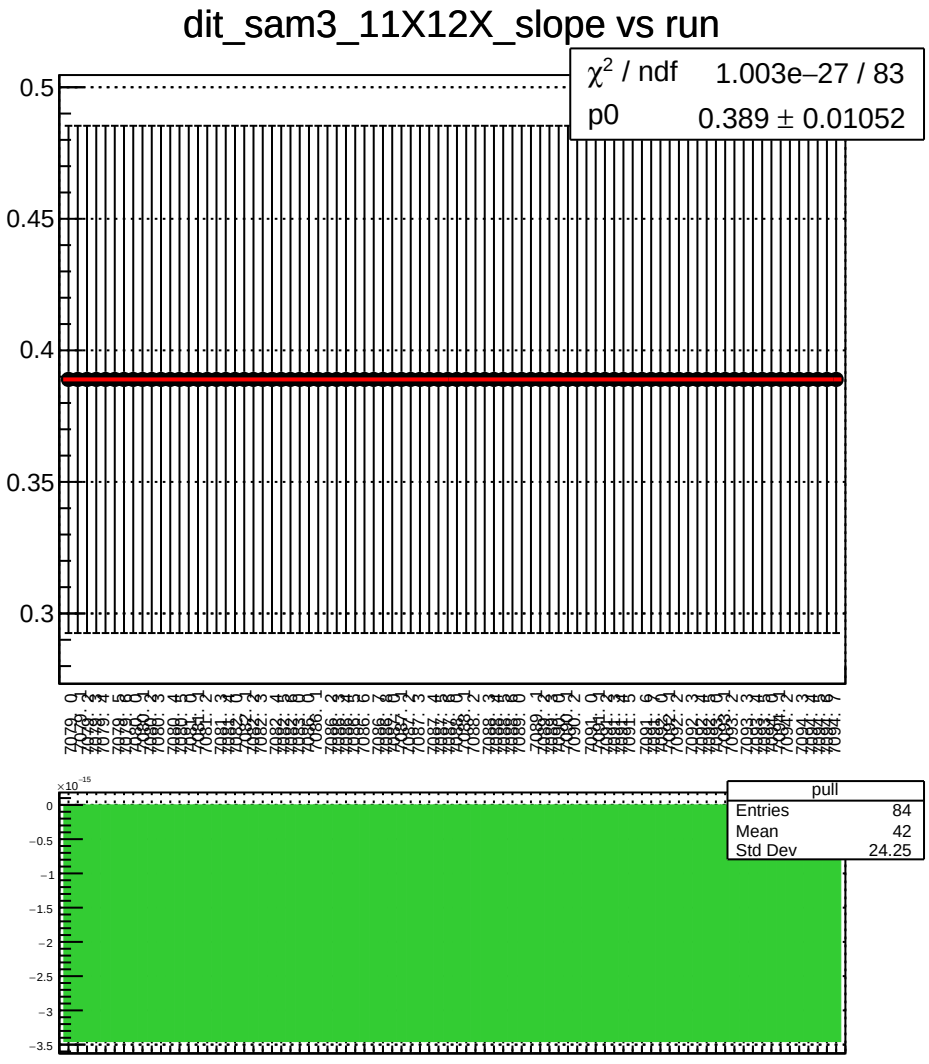

dit_sam2_4eY_slope vs run
χ² / ndf 1.433e−24 / 83
p0 −206 ± 0.07124
−205.4
−205.6
−205.8
−206
−206.2
−206.4
−206.6
−206.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 84
Mean 1.306e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

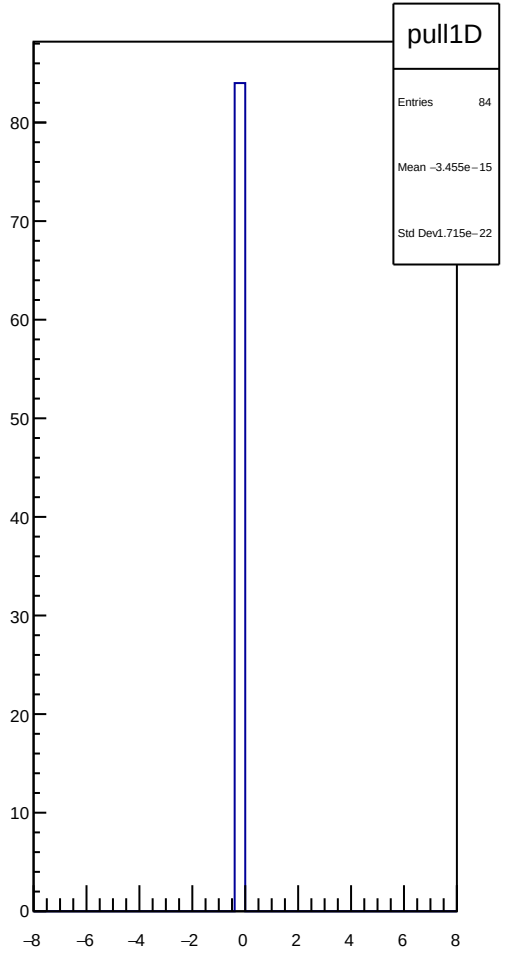

dit_sam3_4aX_slope vs run
χ² / ndf 4.751e−27 / 83
p0 −15.55 ± 0.7732
pull
Entries 84
Mean 42
Std Dev 24.25

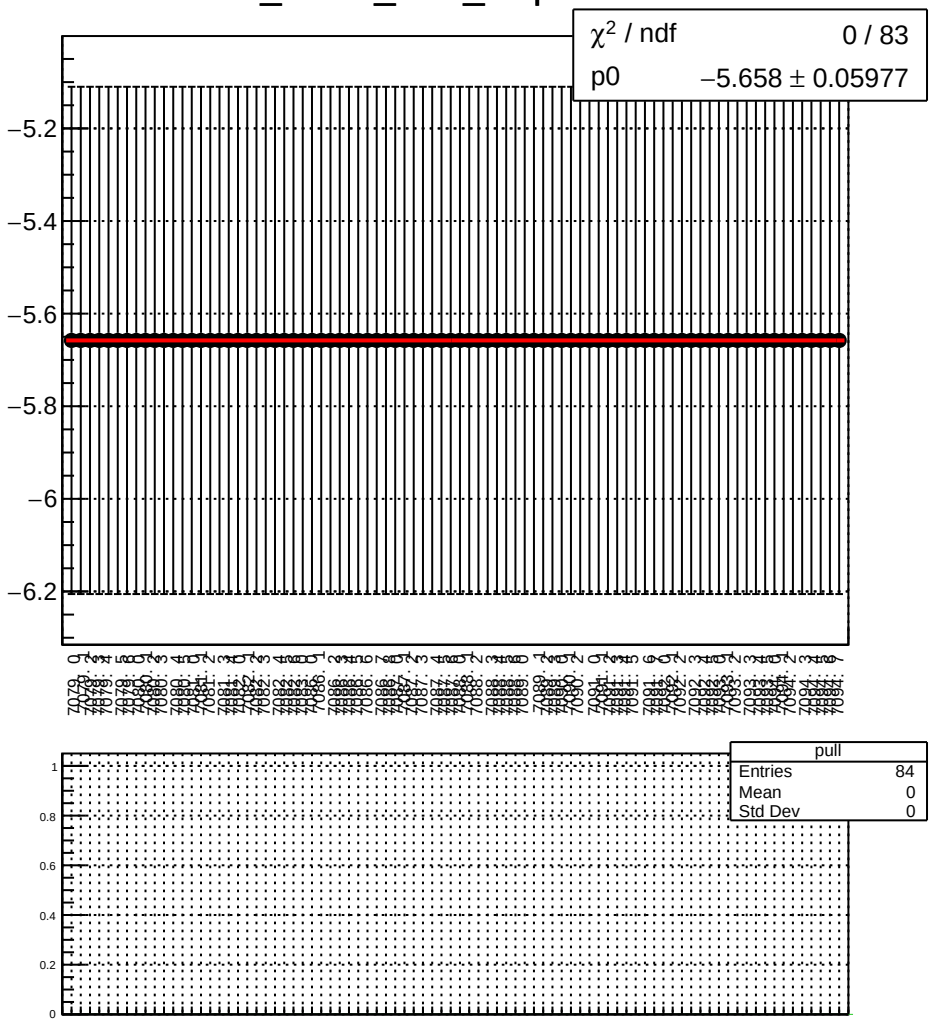

pull1D
Entries 84
Mean 7.52e−15
Std Dev4.101e−22

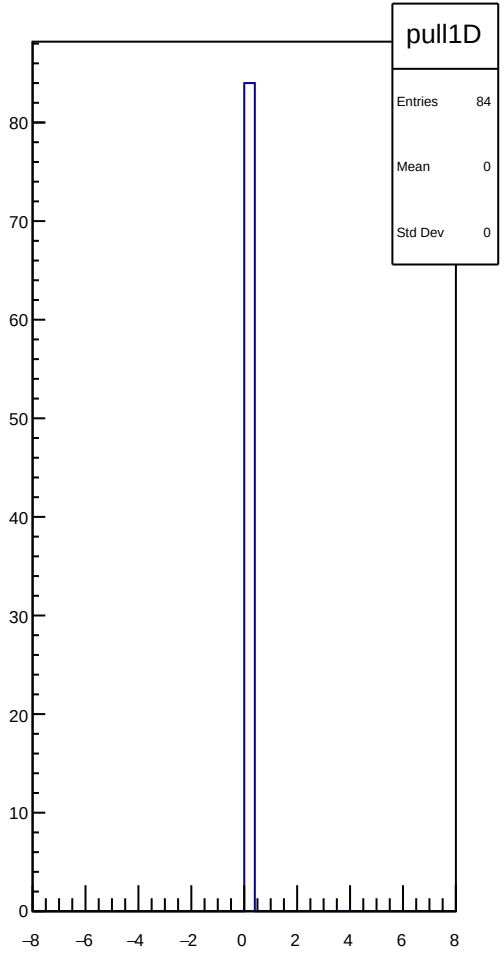

dit_sam3_4eX_slope vs run
χ² / ndf 1.17e−26 / 83
p0 −94.06 ± 0.6568
−88
−90
−92
−94
−96
−98
−100
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12

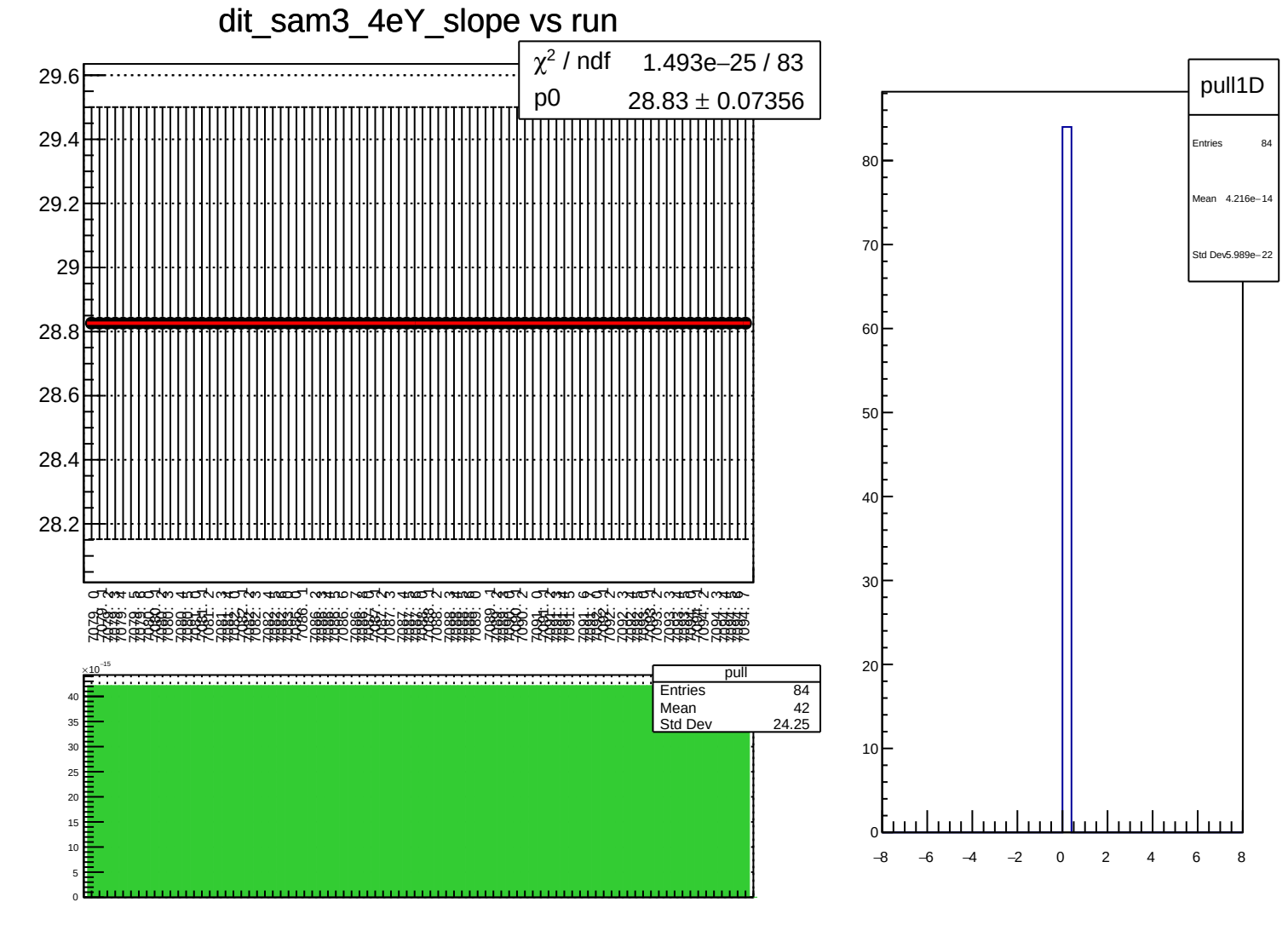

pull1D
Entries 84
Mean −1.18e−14
Std Dev 5.399e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

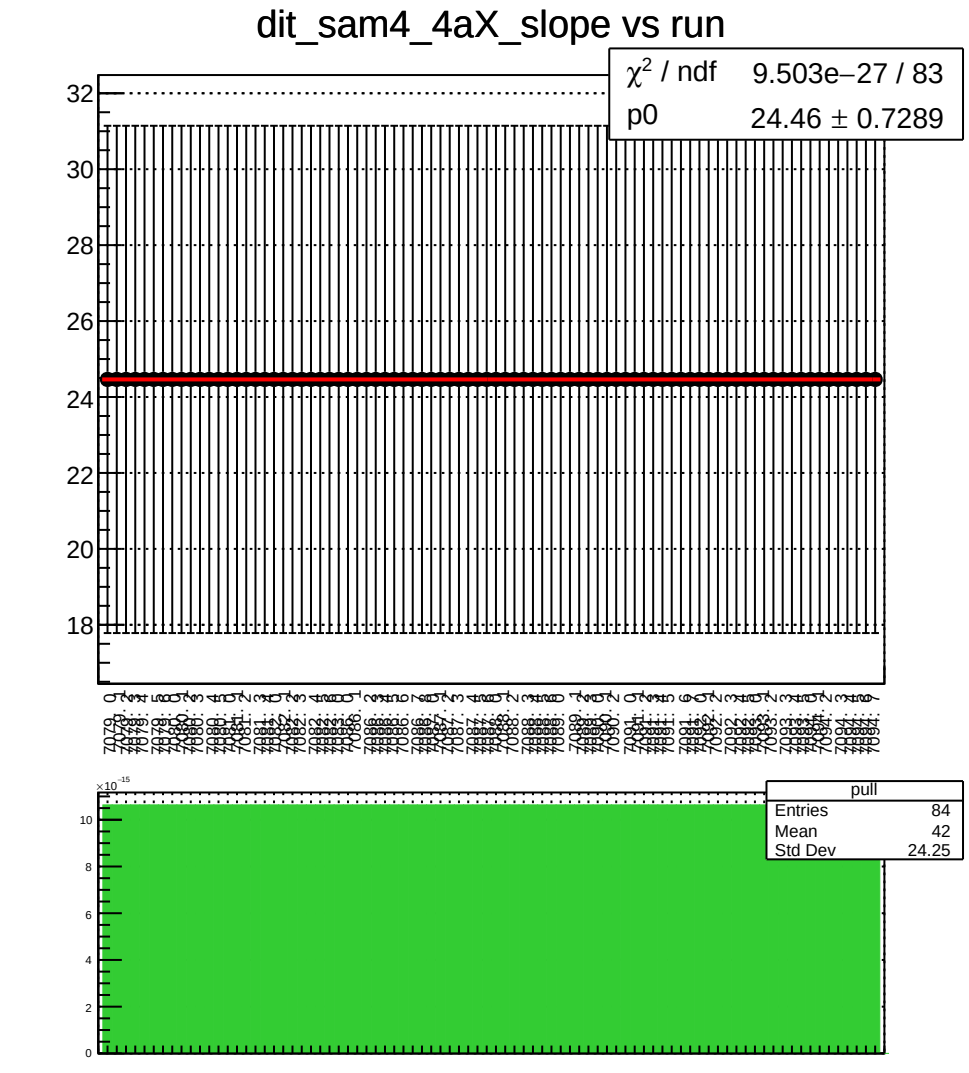

dit_sam3_11X12X_slope vs run
χ² / ndf 1.003e−27 / 83
p0 0.389 ± 0.01052
0.5
0.45
0.4
0.35
0.3
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

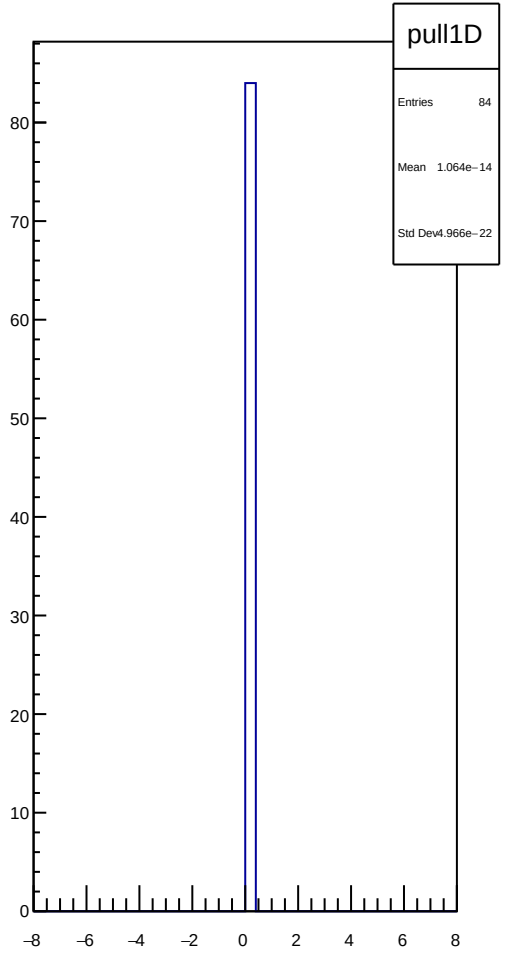

pull1D
Entries 84
Mean −3.455e−15
Std Dev1.715e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

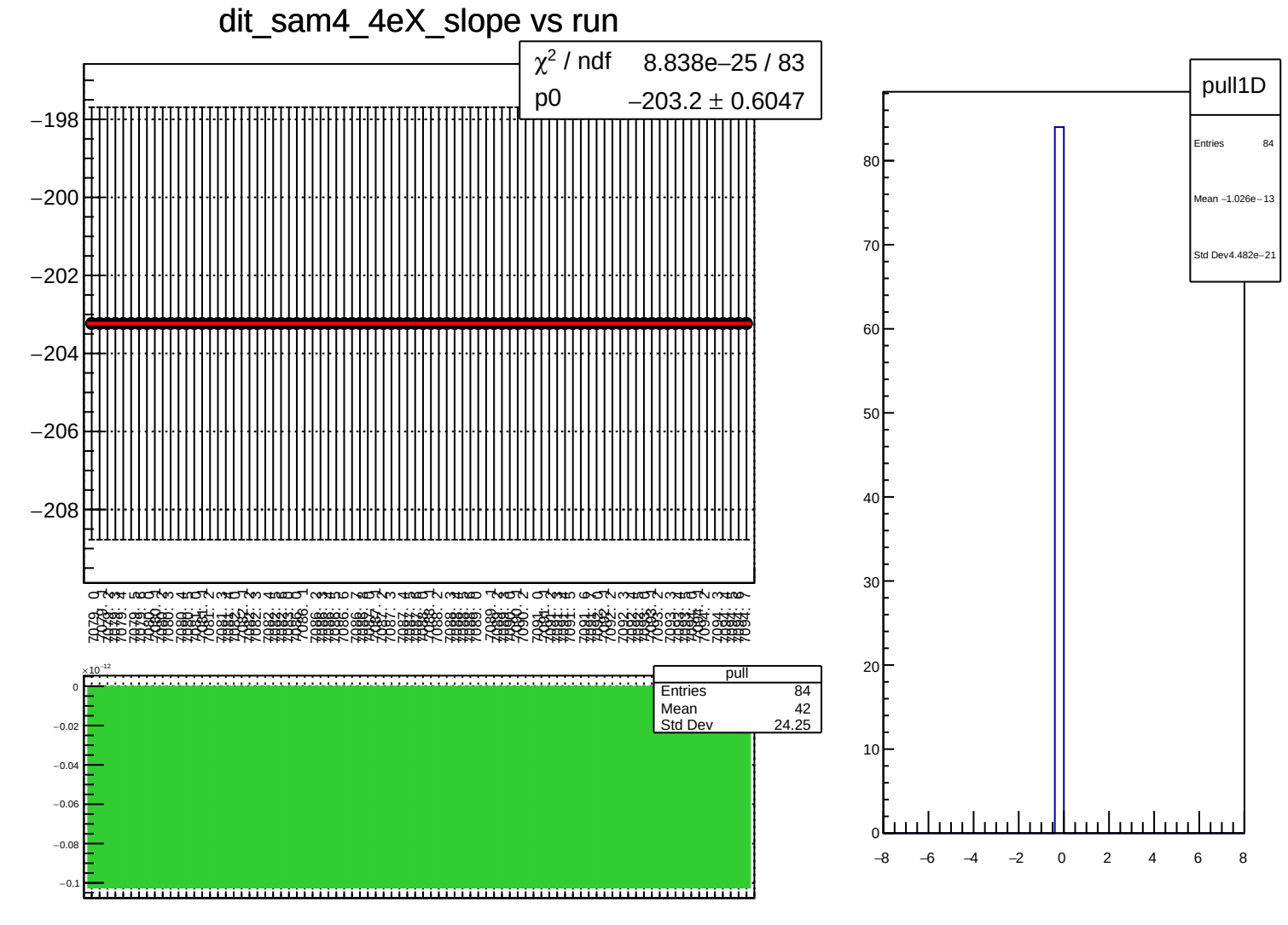

dit_sam3_4aY_slope vs run
χ² / ndf 0 / 83
p0 −5.658 ± 0.05977
−5.2
−5.4
−5.6
−5.8
−6
−6.2
pull
Entries 84
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

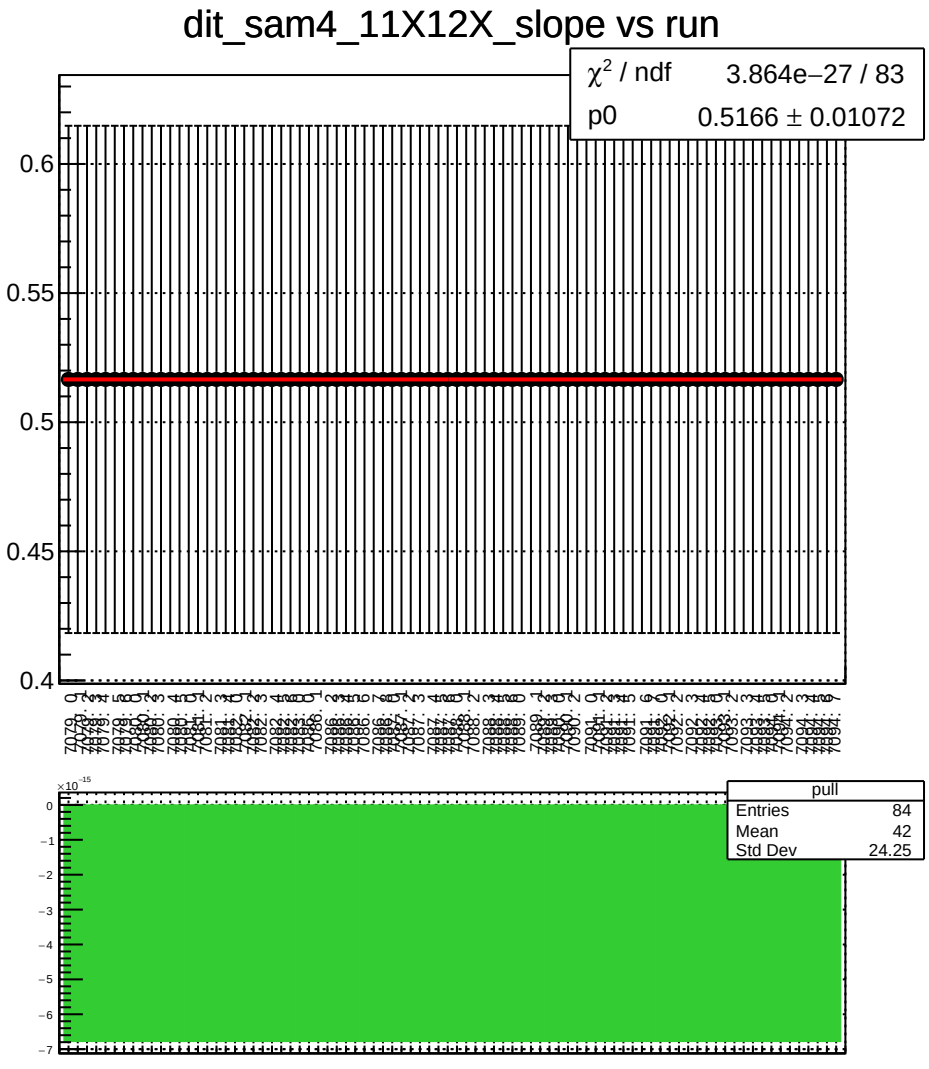

pull1D
Entries 84
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

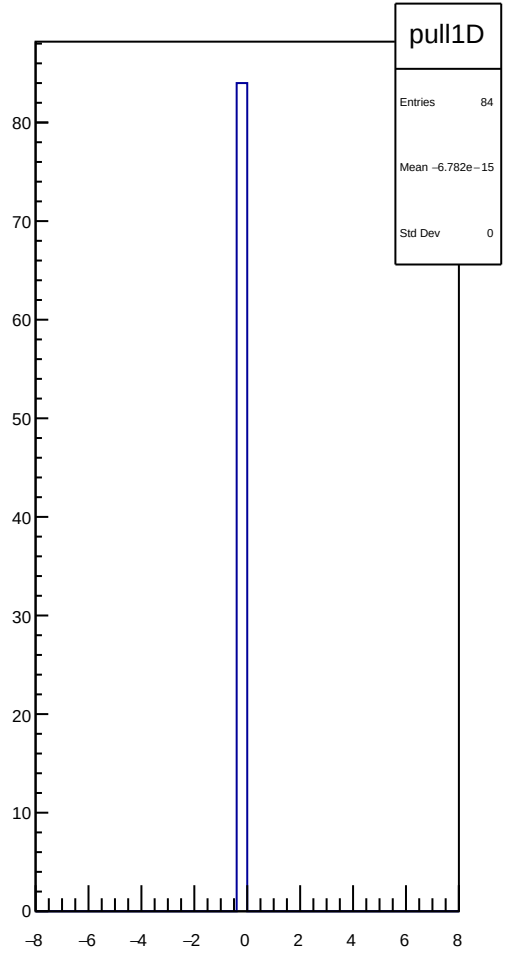

dit_sam3_4eY_slope vs run
χ² / ndf 1.493e−25 / 83
p0 28.83 ± 0.07356
29.6
29.4
29.2
29
28.8
28.6
28.4
28.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
40
35
30
25
20
15
10
5
0
pull1D
Entries 84
Mean 4.216e−14
Std Dev 5.989e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

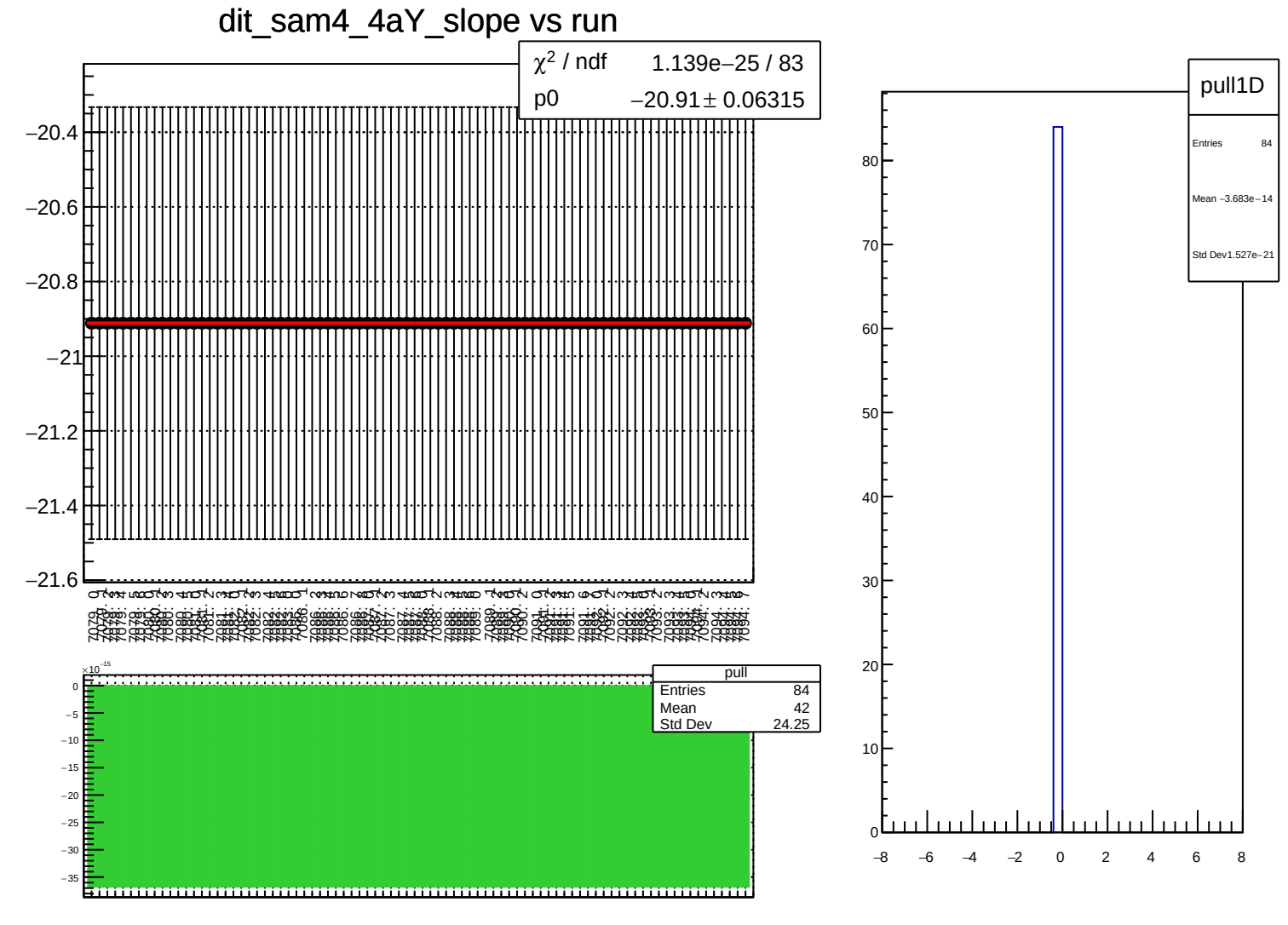

dit_sam4_4aX_slope vs run
χ² / ndf 9.503e−27 / 83
p0 24.46 ± 0.7289
pull
Entries 84
Mean 42
Std Dev 24.25

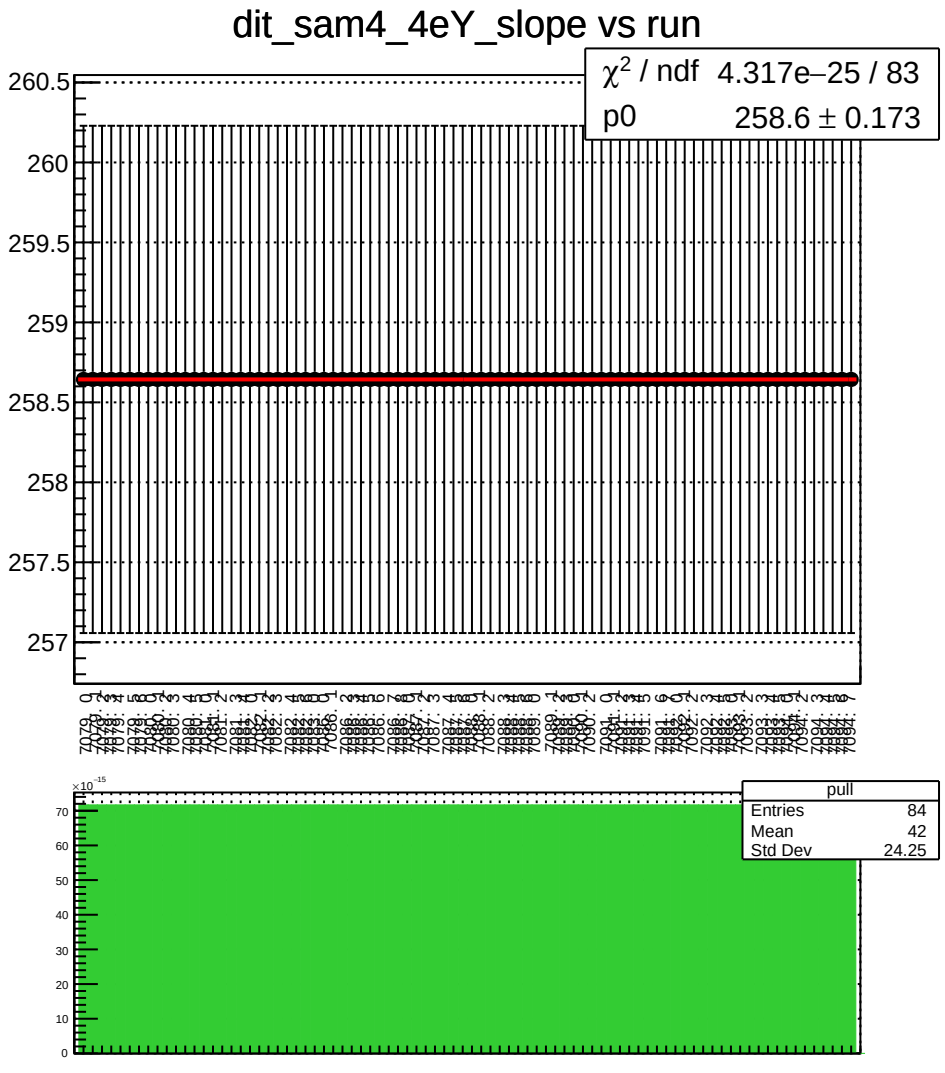

pull1D
Entries 84
Mean 1.064e−14
Std Dev 4.966e−22

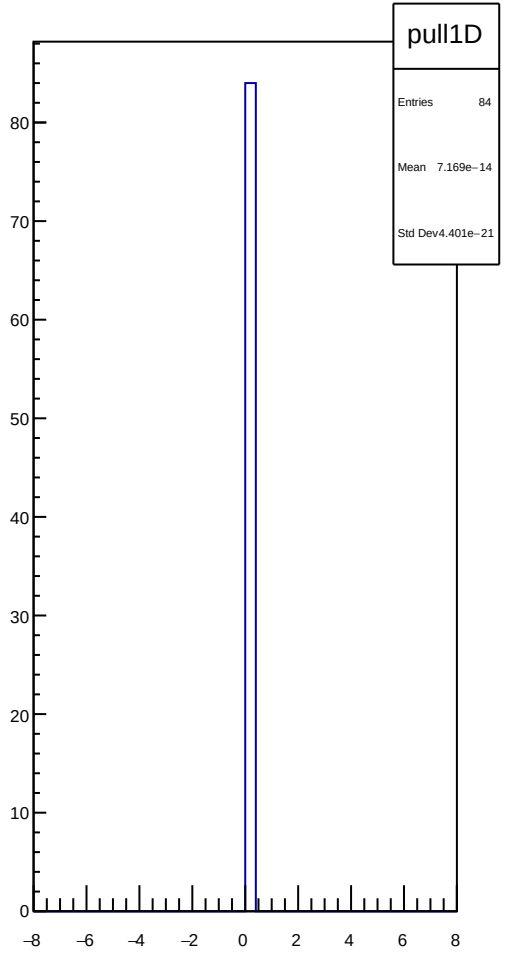

dit_sam4_4eX_slope vs run
χ² / ndf 8.838e−25 / 83
p0 −203.2 ± 0.6047
−198
−200
−202
−204
−206
−208
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 84
Mean −1.026e−13
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

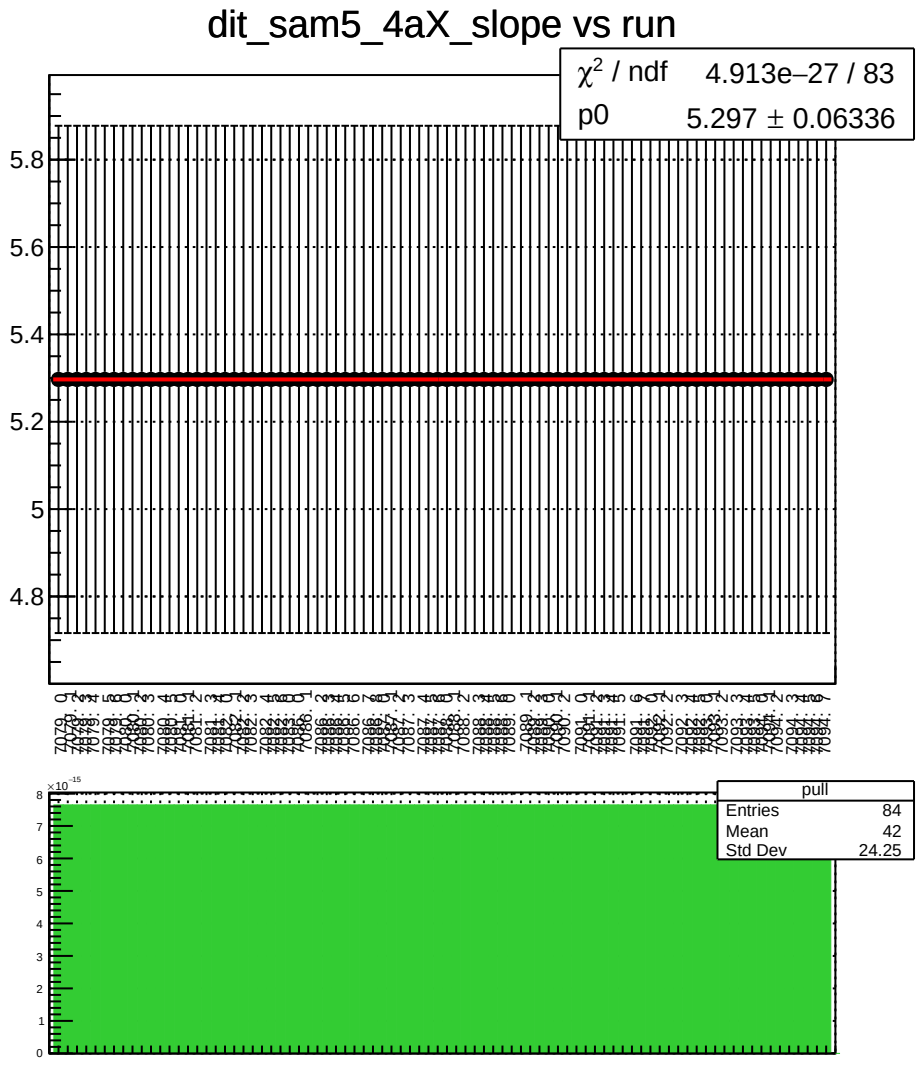

dit_sam4_11X12X_slope vs run
χ² / ndf 3.864e−27 / 83
p0 0.5166 ± 0.01072
0.6
0.55
0.5
0.45
0.4
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7

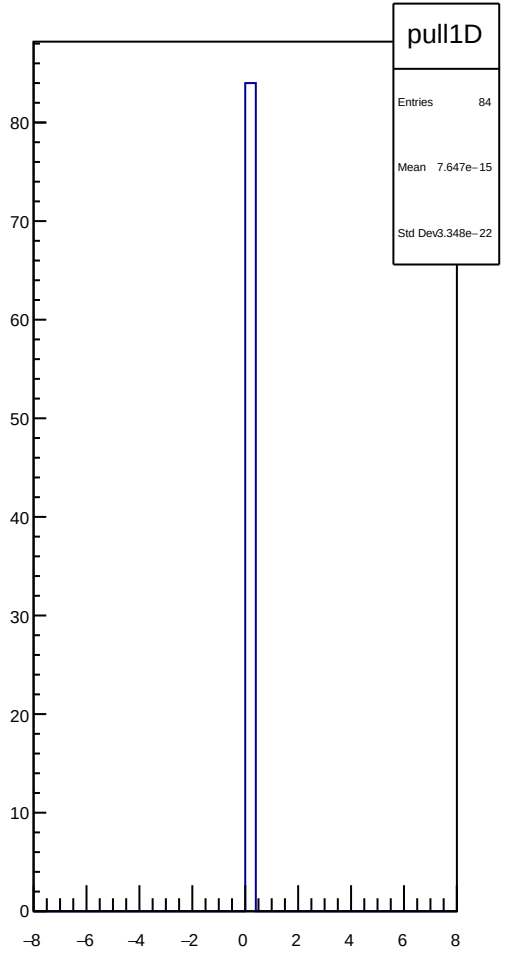

pull1D
Entries 84
Mean −6.782e−15
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

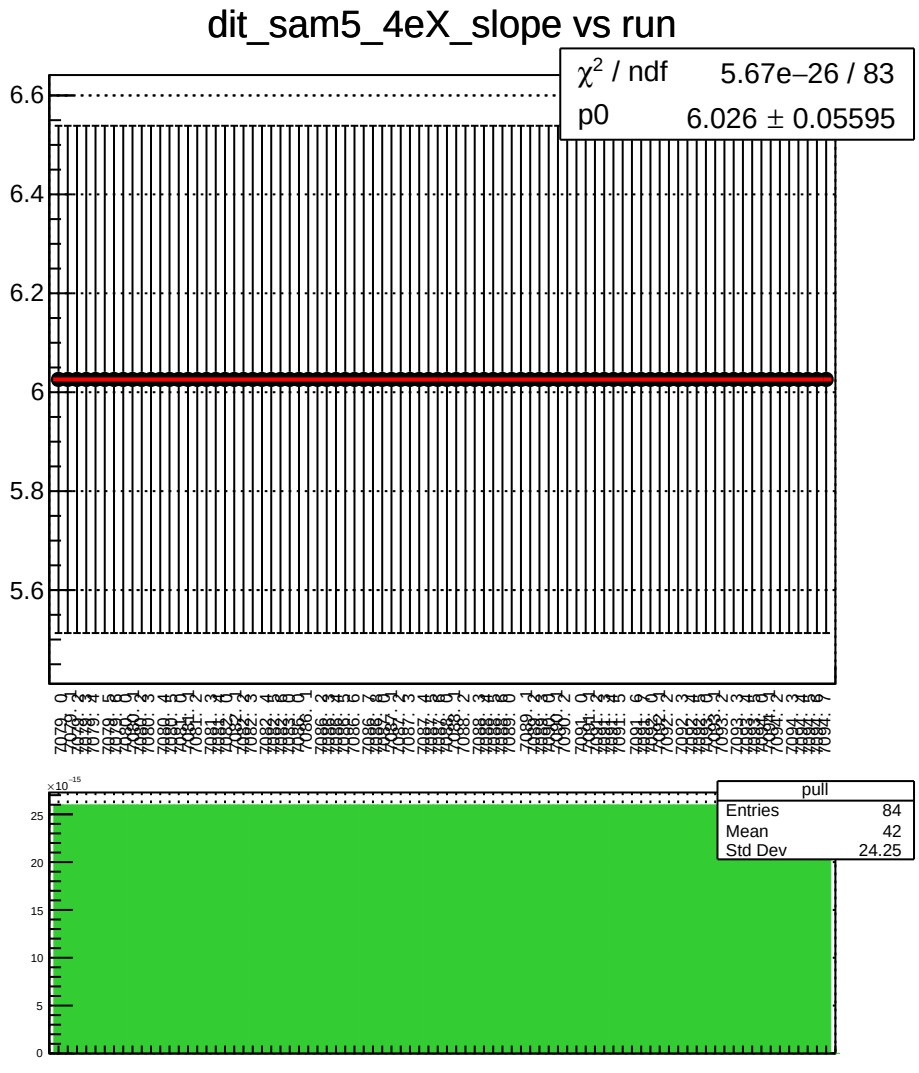

dit_sam4_4aY_slope vs run
χ² / ndf 1.139e−25 / 83
p0 −20.91 ± 0.06315
−20.4
−20.6
−20.8
−21
−21.2
−21.4
−21.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
pull1D
Entries 84
Mean −3.683e−14
Std Dev1.527e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

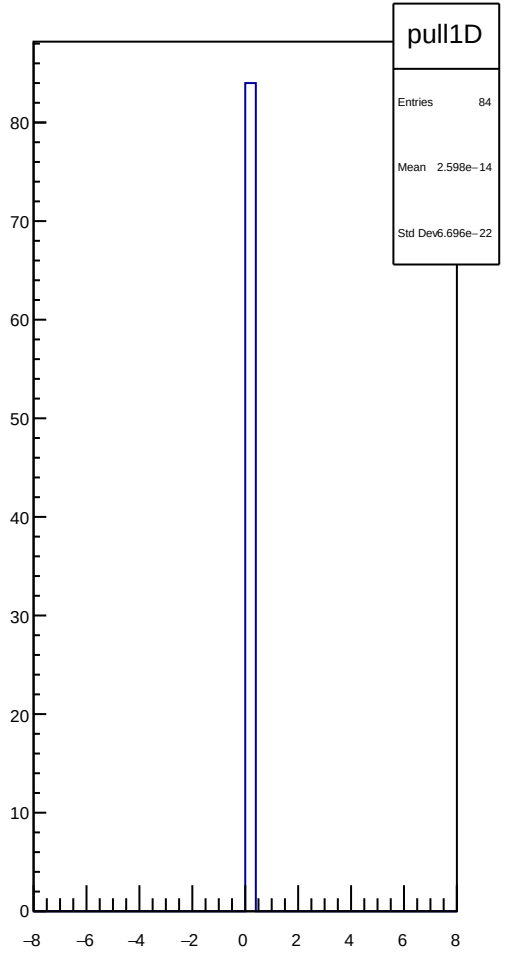

dit_sam4_4eY_slope vs run
χ^2 / ndf 4.317e−25 / 83
p0 258.6 ± 0.173
260.5
260
259.5
259
258.5
258
257.5
257
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
70
60
50
40
30
20
10
0

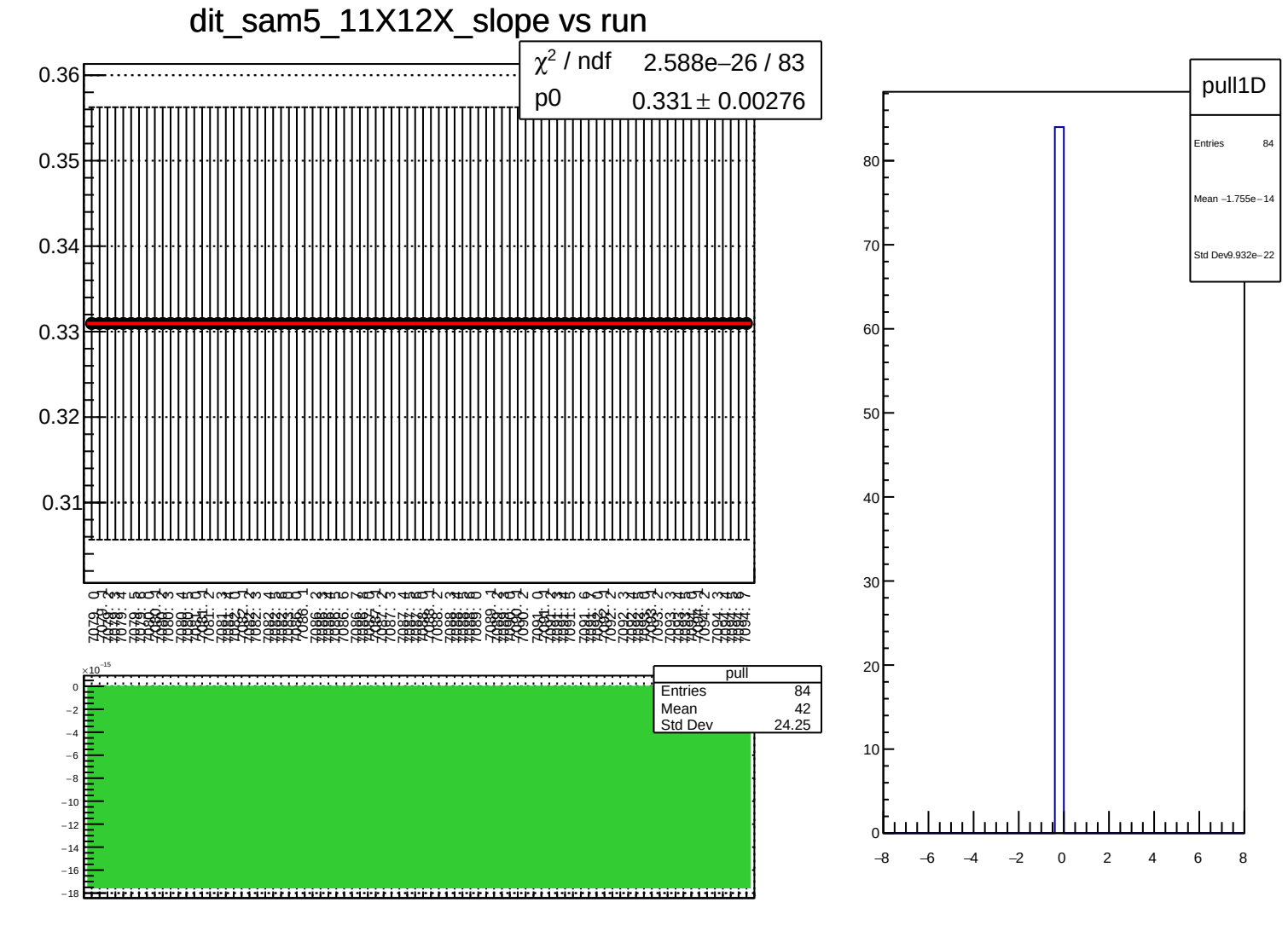

pull1D
Entries 84
Mean 7.169e−14
Std Dev4.401e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

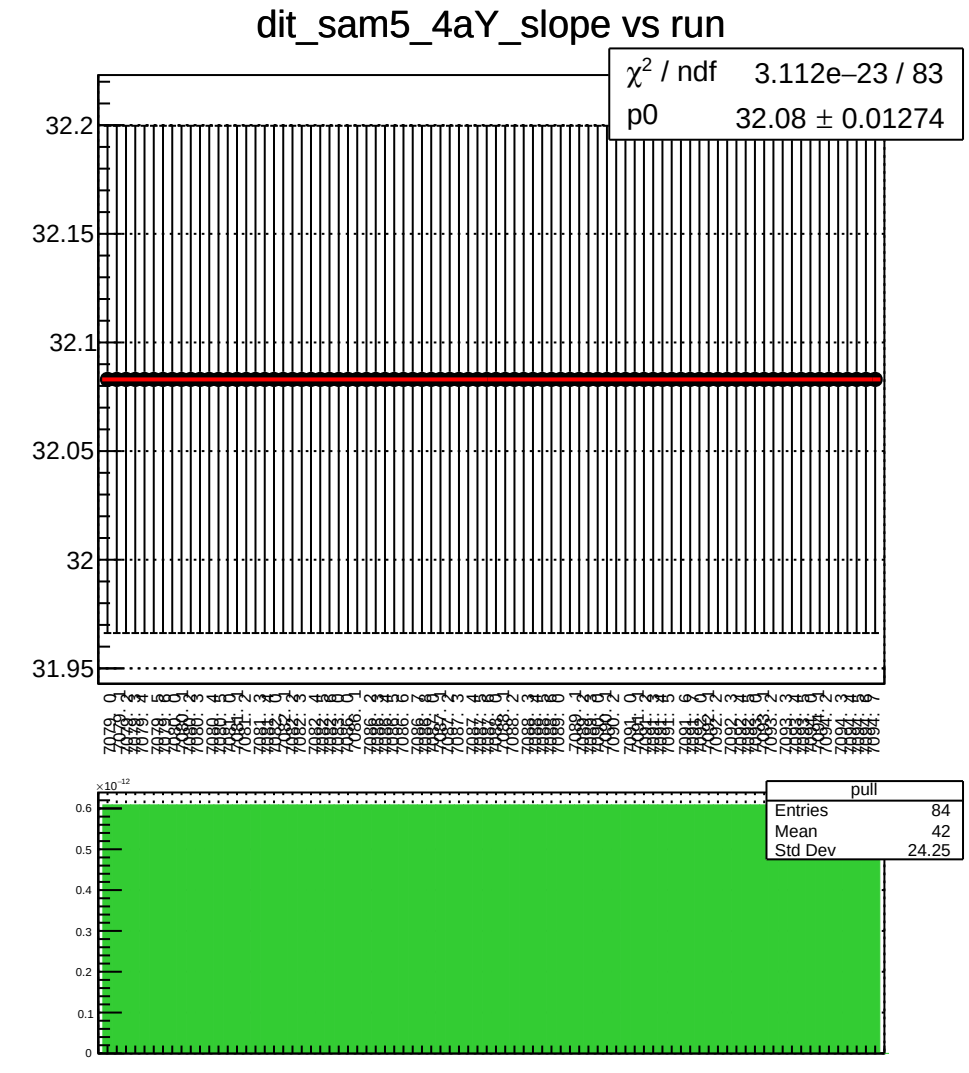

dit_sam5_4aX_slope vs run
χ² / ndf 4.913e−27 / 83
p0 5.297 ± 0.06336
5.8
5.6
5.4
5.2
5
4.8
×10⁻¹⁵
8
7
6
5
4
3
2
1
0
pull
Entries 84
Mean 42
Std Dev 24.25

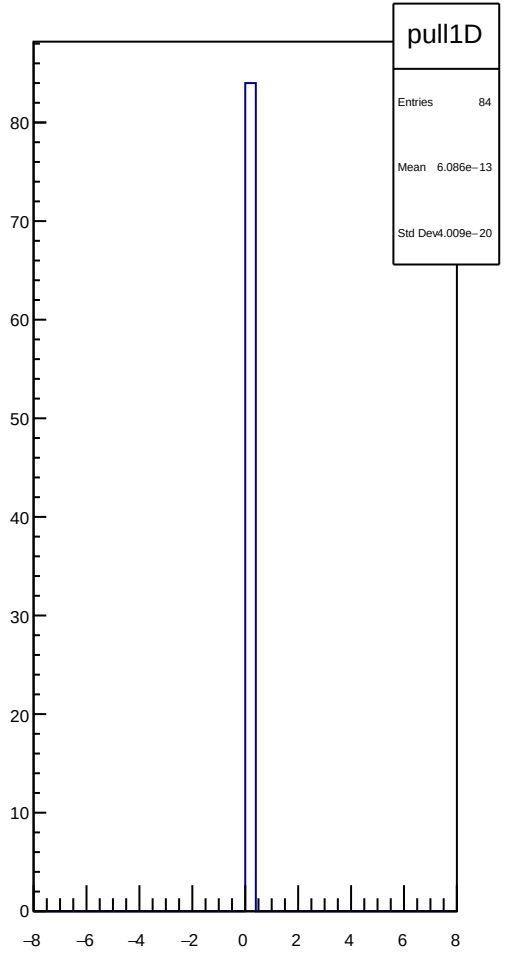

pull1D
Entries 84
Mean 7.647e−15
Std Dev3.348e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

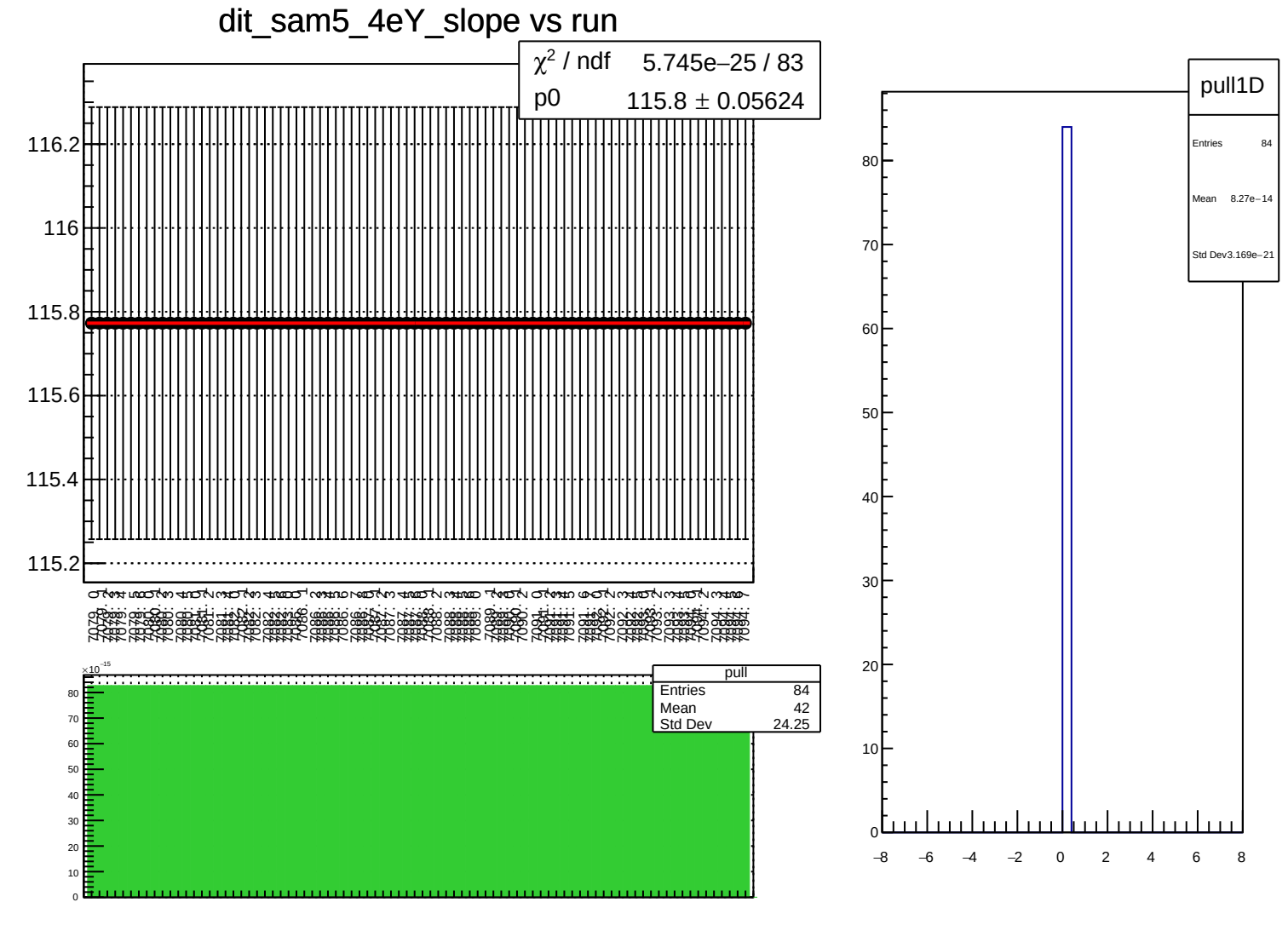

dit_sam5_4eX_slope vs run
χ² / ndf 5.67e−26 / 83
p0 6.026 ± 0.05595
pull
Entries 84
Mean 42
Std Dev 24.25

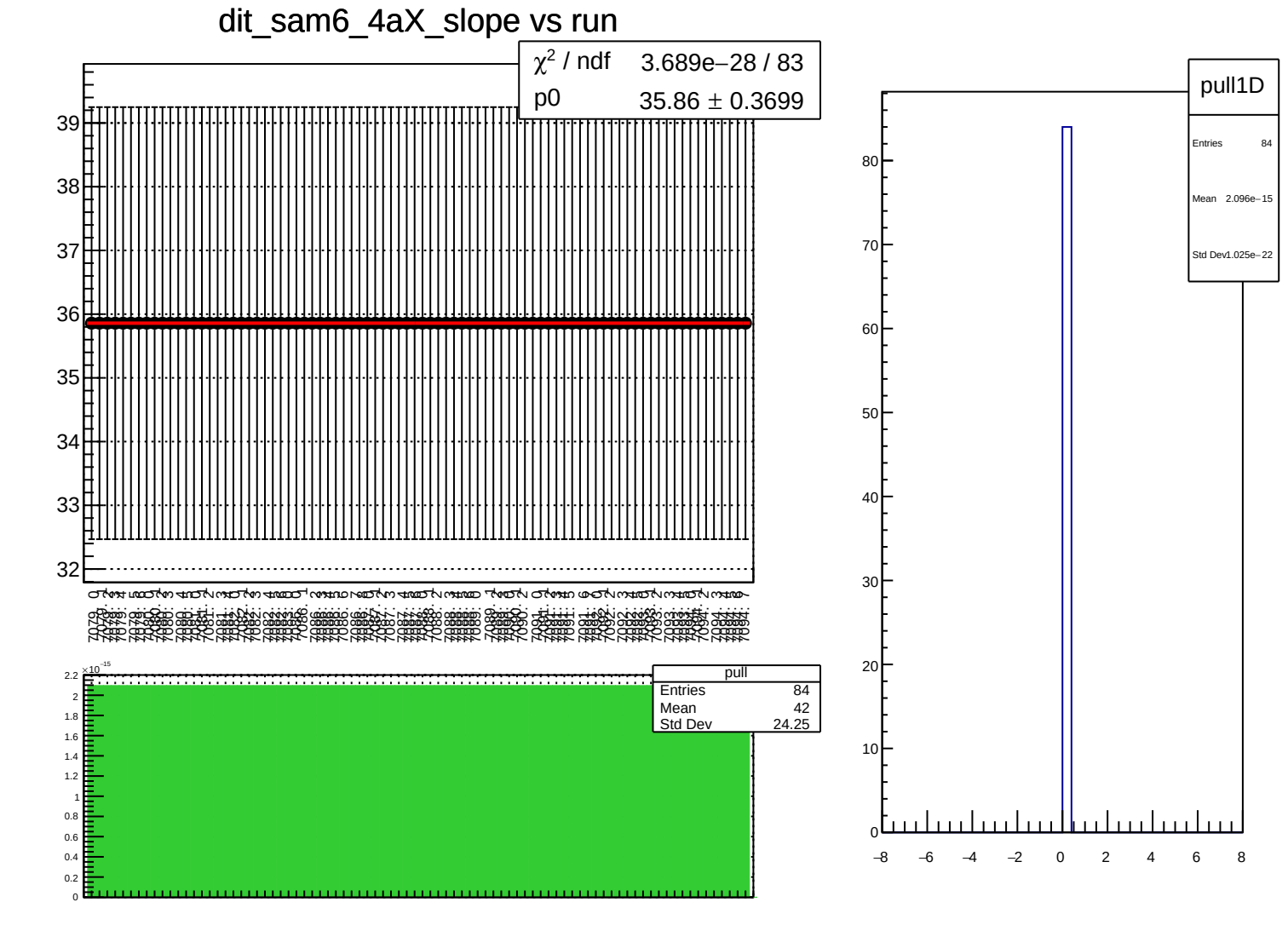

pull1D
Entries 84
Mean 2.598e−14
Std Dev 6.696e−22

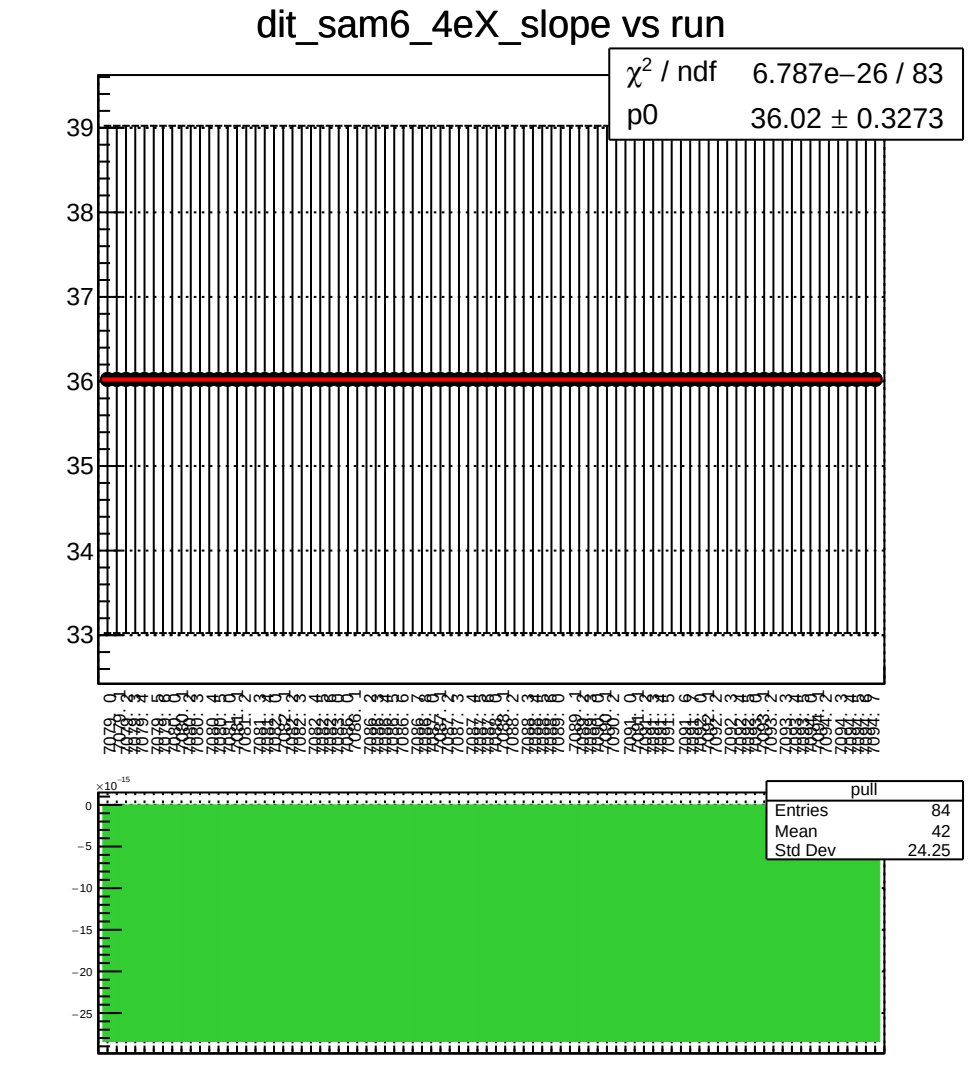

dit_sam5_11X12X_slope vs run
χ² / ndf 2.588e−26 / 83
p0 0.331 ± 0.00276
0.36
0.35
0.34
0.33
0.32
0.31
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
pull1D
Entries 84
Mean −1.755e−14
Std Dev 9.932e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

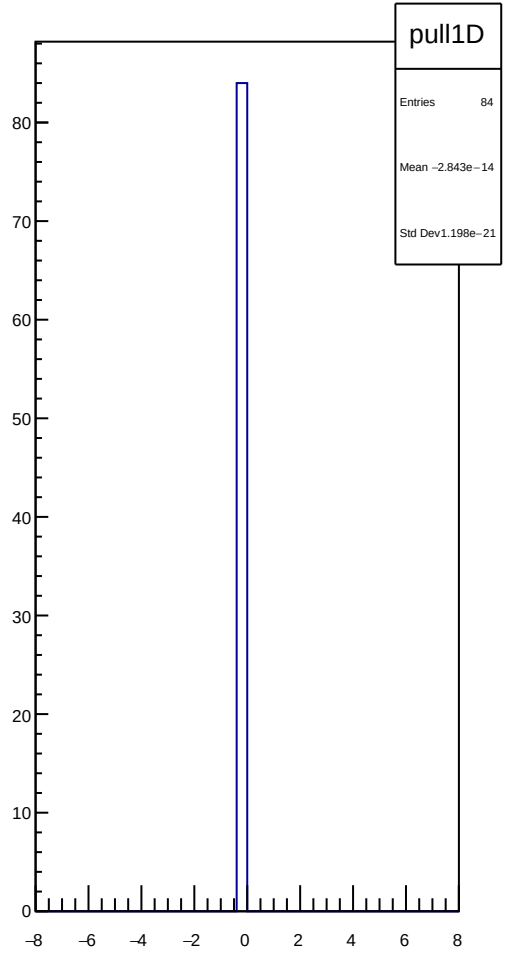

dit_sam5_4aY_slope vs run
χ² / ndf 3.112e−23 / 83
p0 32.08 ± 0.01274
32.2
32.15
32.1
32.05
32
31.95
×10⁻¹²
0.6
0.5
0.4
0.3
0.2
0.1
0
pull
Entries 84
Mean 42
Std Dev 24.25

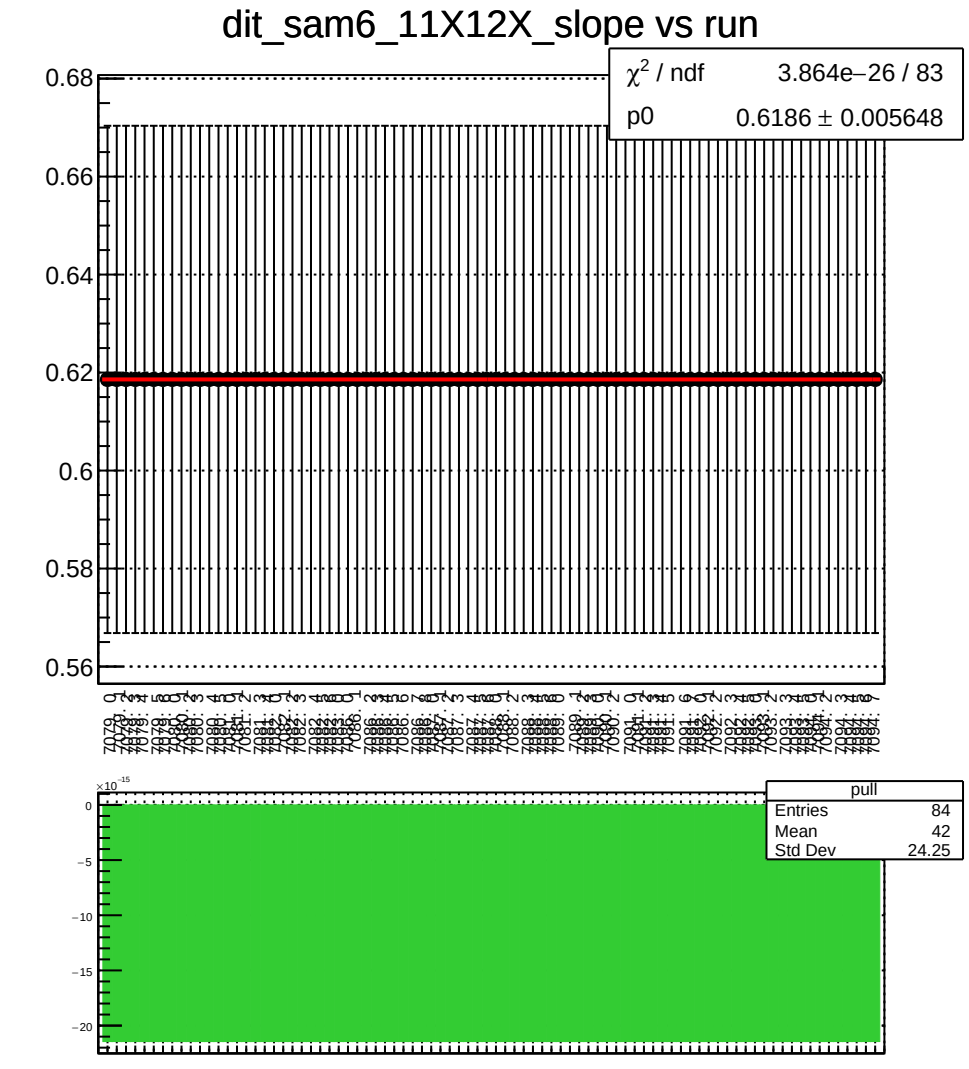

pull1D
Entries 84
Mean 6.086e−13
Std Dev4.009e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

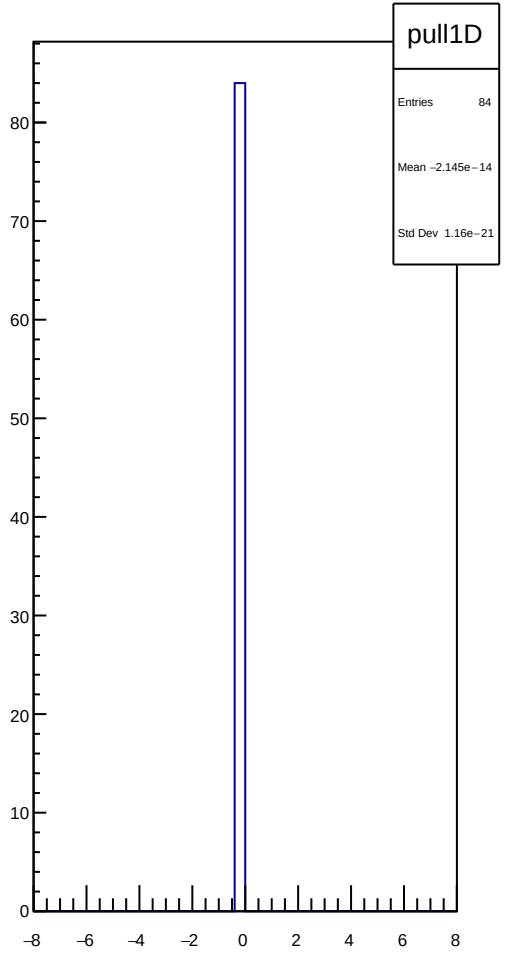

dit_sam5_4eY_slope vs run
χ² / ndf 5.745e−25 / 83
p0 115.8 ± 0.05624
116.2
116
115.8
115.6
115.4
115.2
×10⁻¹⁵
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 8.27e−14
Std Dev3.169e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

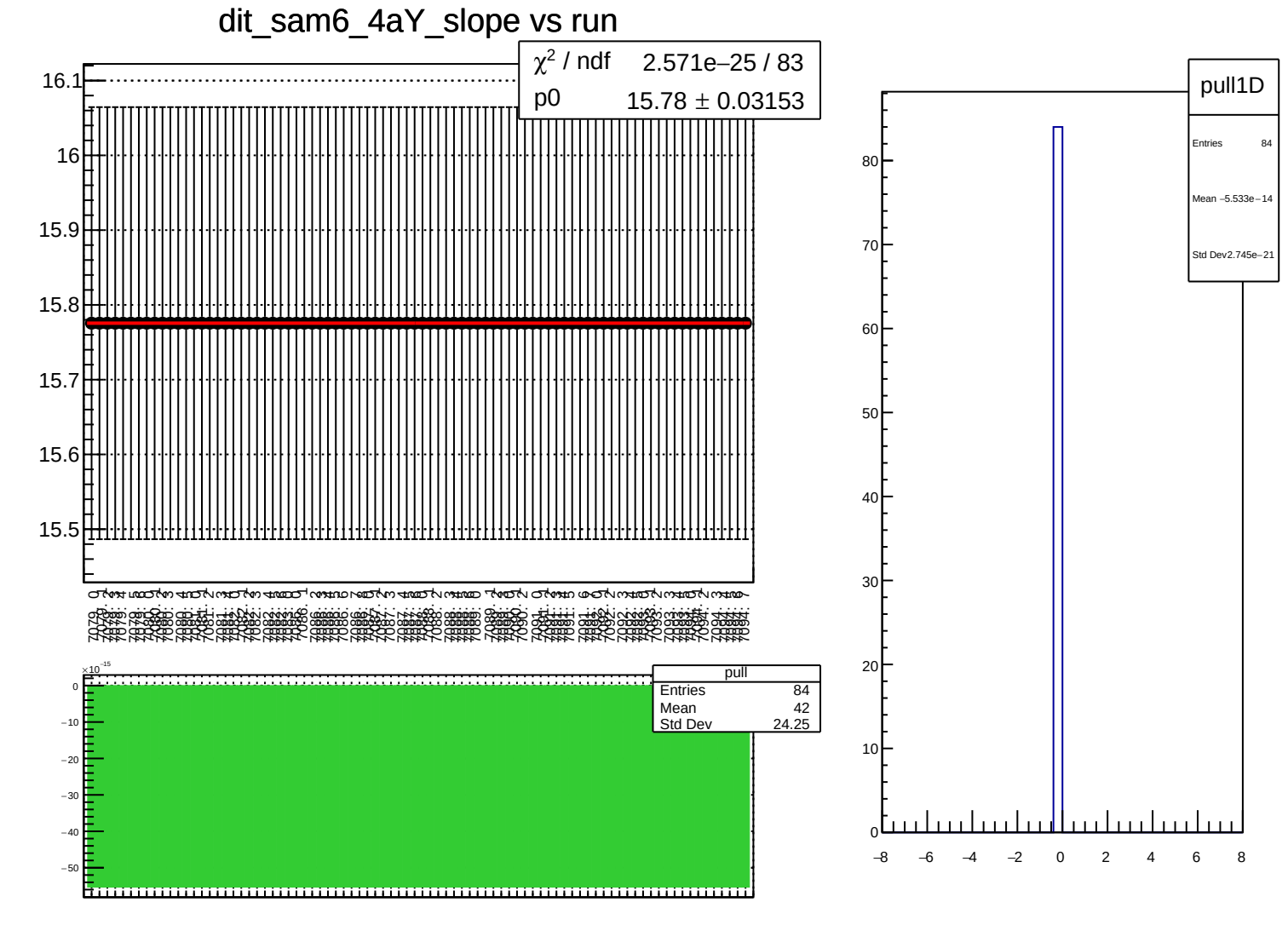

dit_sam6_4aX_slope vs run
χ² / ndf 3.689e−28 / 83
p0 35.86 ± 0.3699
pull
Entries 84
Mean 42
Std Dev 24.25
pull1D
Entries 84
Mean 2.096e−15
Std Dev1.025e−22

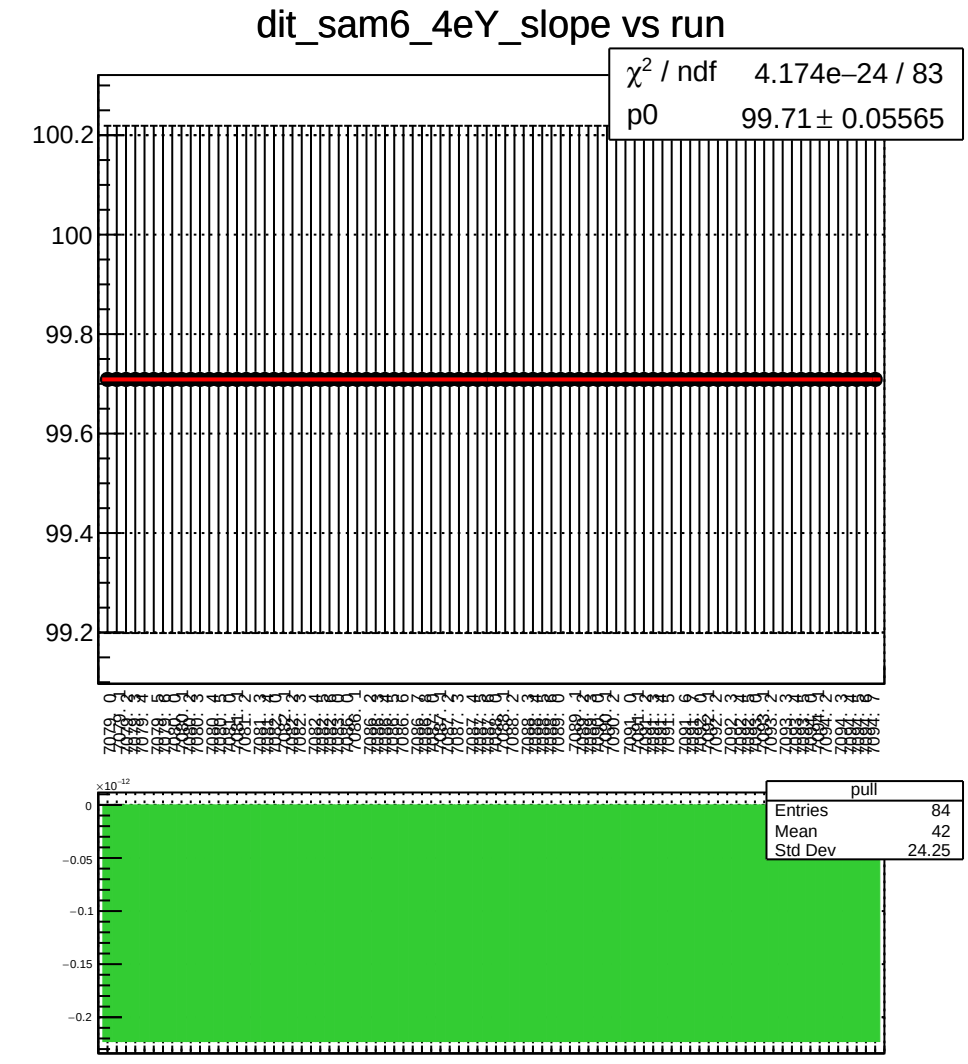

dit_sam6_4eX_slope vs run
χ² / ndf 6.787e−26 / 83
p0 36.02 ± 0.3273
39
38
37
36
35
34
33
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25

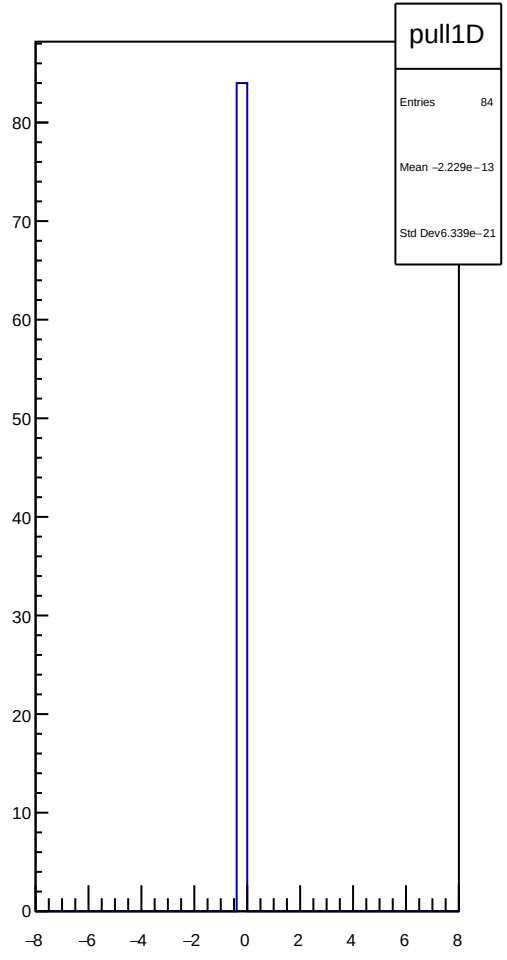

pull1D
Entries 84
Mean −2.843e−14
Std Dev1.198e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

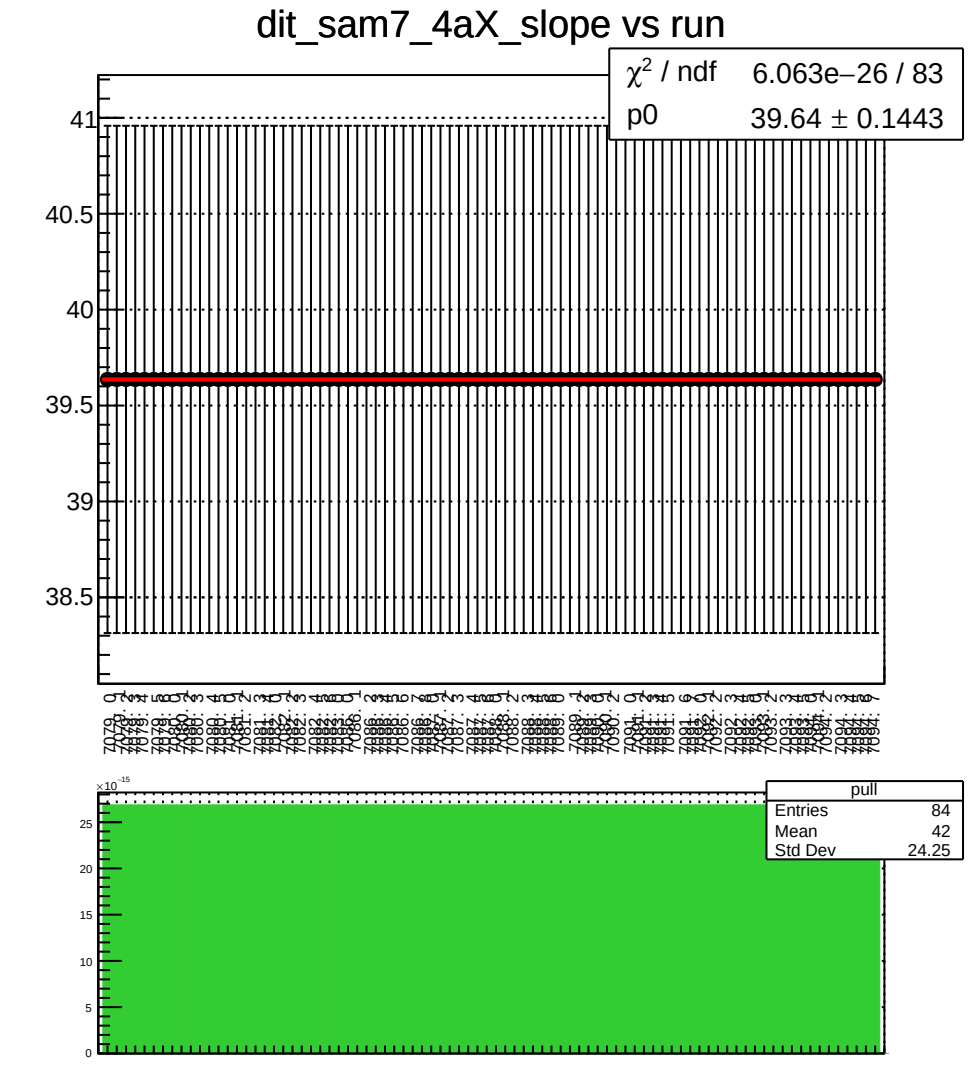

dit_sam6_11X12X_slope vs run
χ² / ndf 3.864e−26 / 83
p0 0.6186 ± 0.005648
0.68
0.66
0.64
0.62
0.6
0.58
0.56
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20

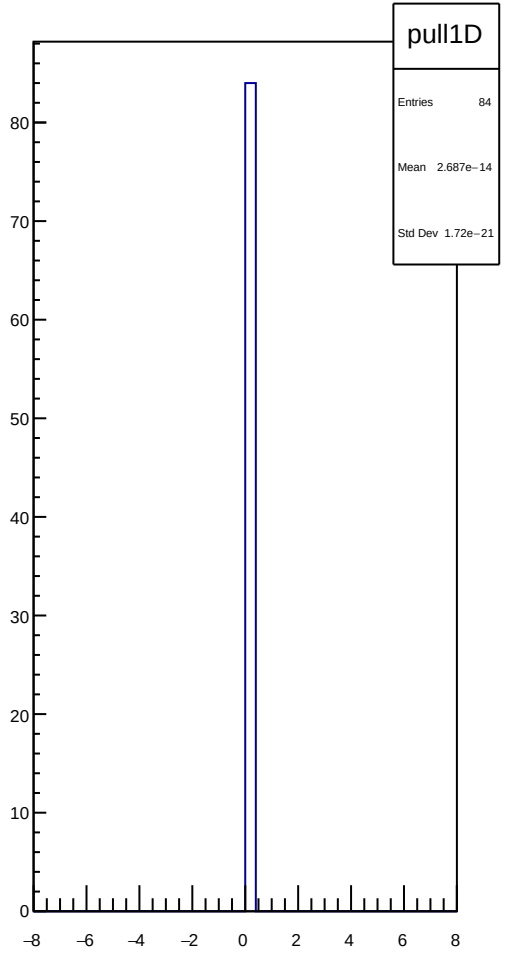

pull1D
Entries 84
Mean −2.145e−14
Std Dev 1.16e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

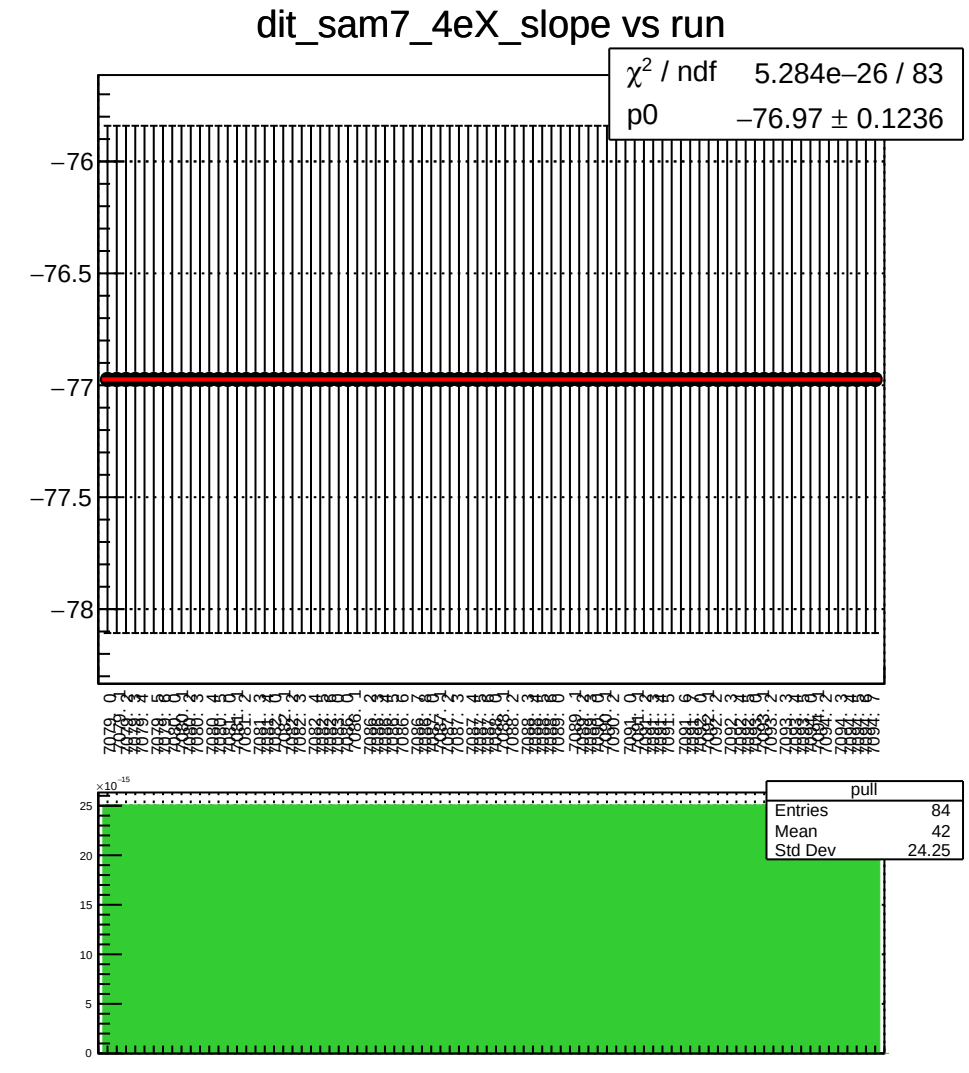

dit_sam6_4aY_slope vs run
χ² / ndf 2.571e−25 / 83
p0 15.78 ± 0.03153
16.1
16
15.9
15.8
15.7
15.6
15.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 84
Mean −5.533e−14
Std Dev2.745e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

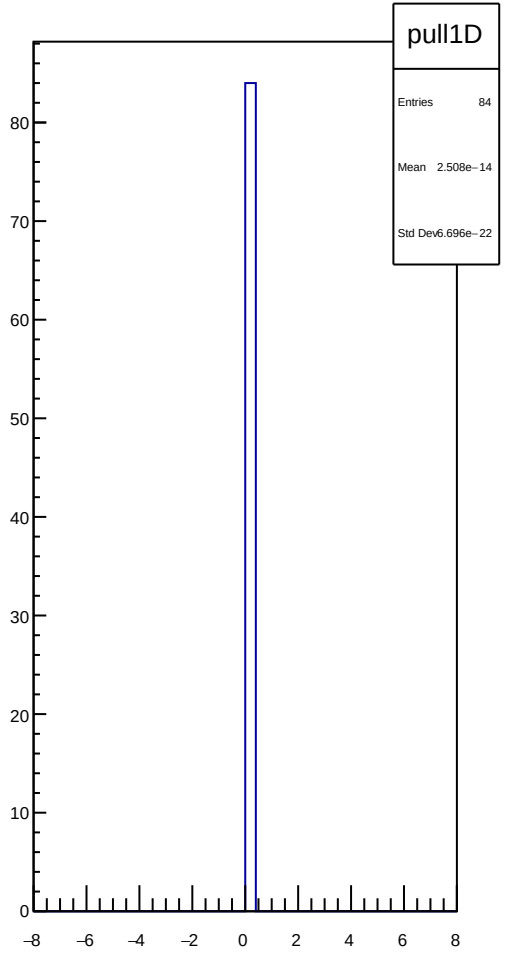

dit_sam6_4eY_slope vs run
χ² / ndf 4.174e−24 / 83
p0 99.71 ± 0.05565
100.2
100
99.8
99.6
99.4
99.2
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2

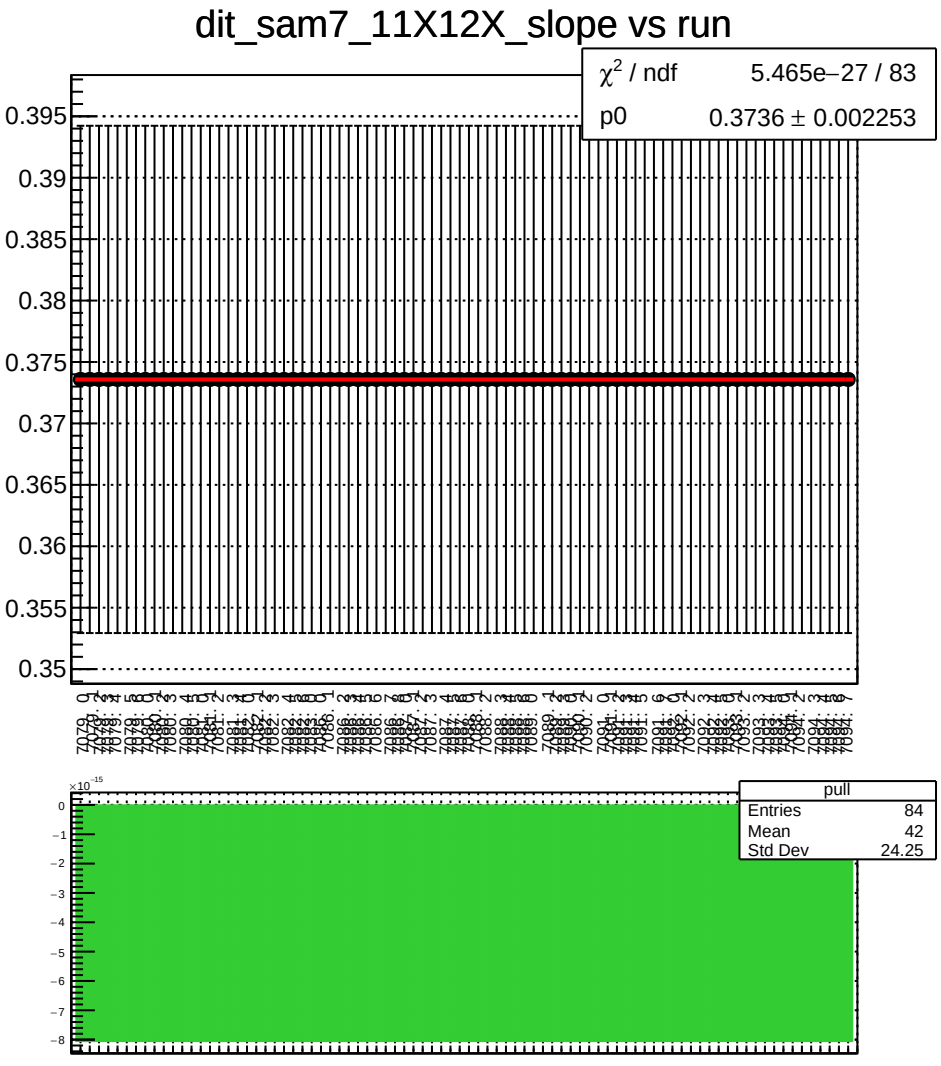

pull1D
Entries 84
Mean −2.229e−13
Std Dev6.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

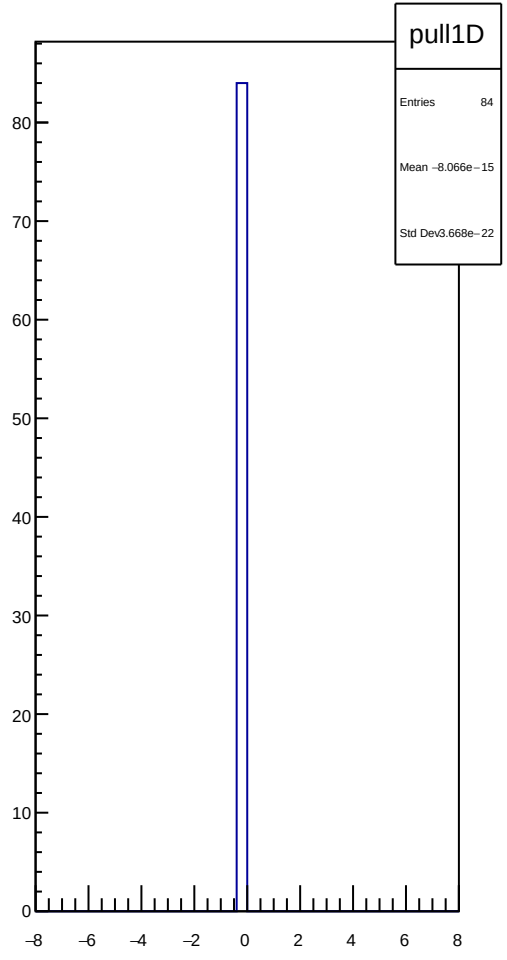

dit_sam7_4aX_slope vs run
χ^2 / ndf 6.063e−26 / 83
p0 39.64 ± 0.1443
41
40.5
40
39.5
39
38.5
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
25
20
15
10
5
0

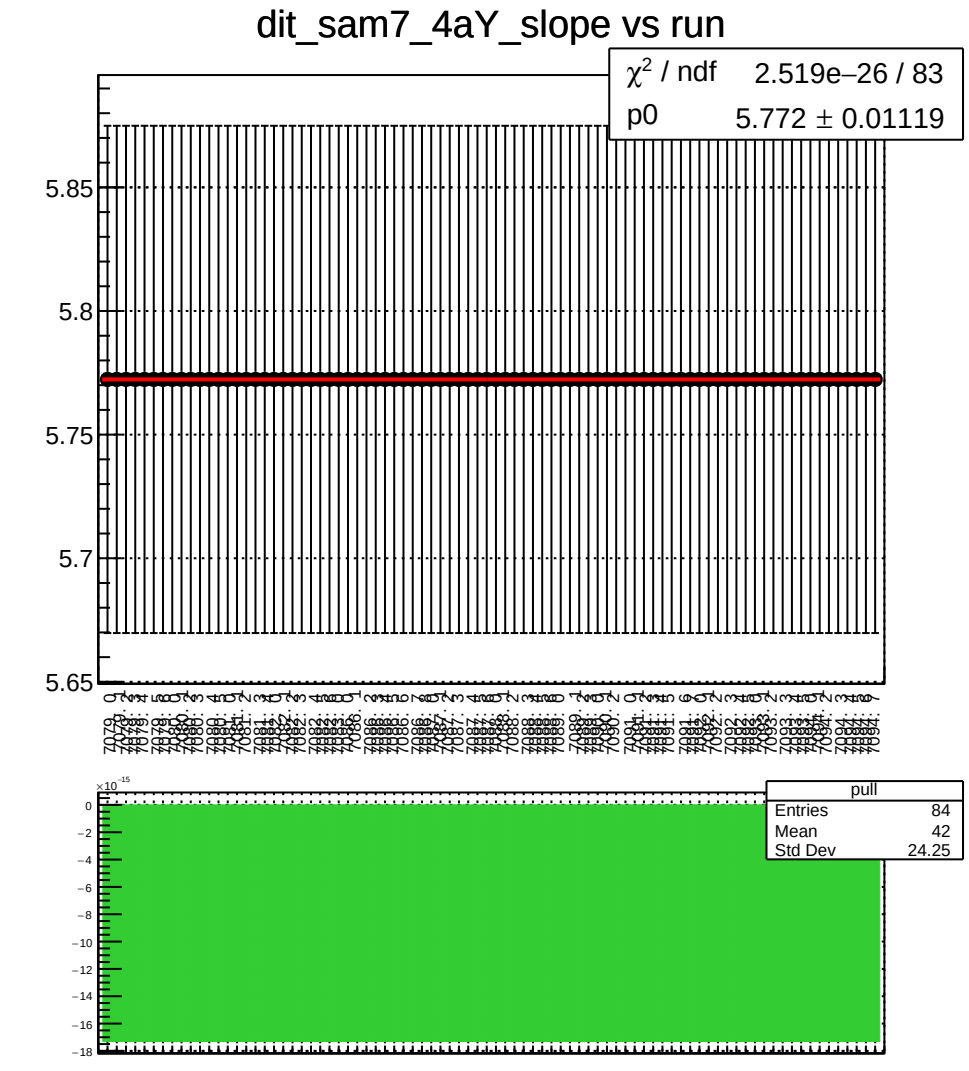

pull1D
Entries 84
Mean 2.687e−14
Std Dev 1.72e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

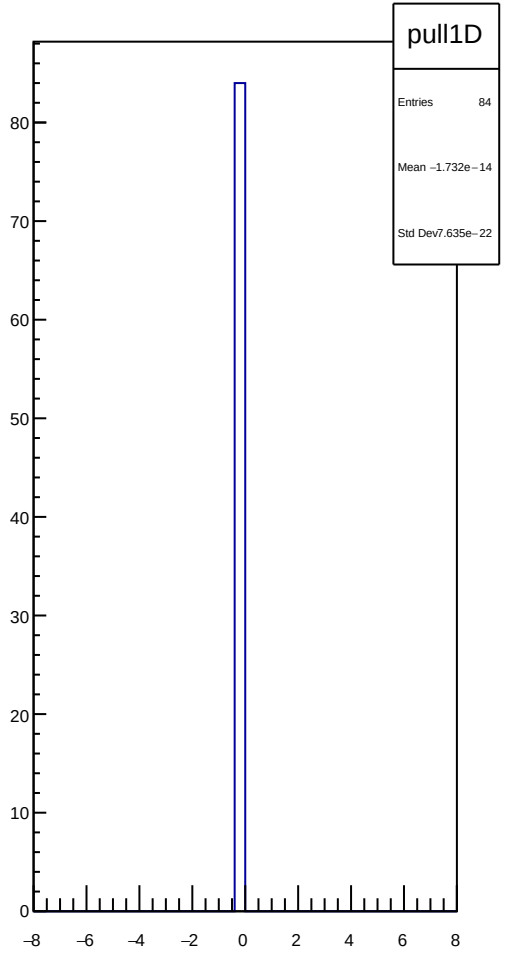

dit_sam7_4eX_slope vs run
χ² / ndf 5.284e−26 / 83
p0 −76.97 ± 0.1236
−76
−76.5
−77
−77.5
−78
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
25
20
15
10
5
0

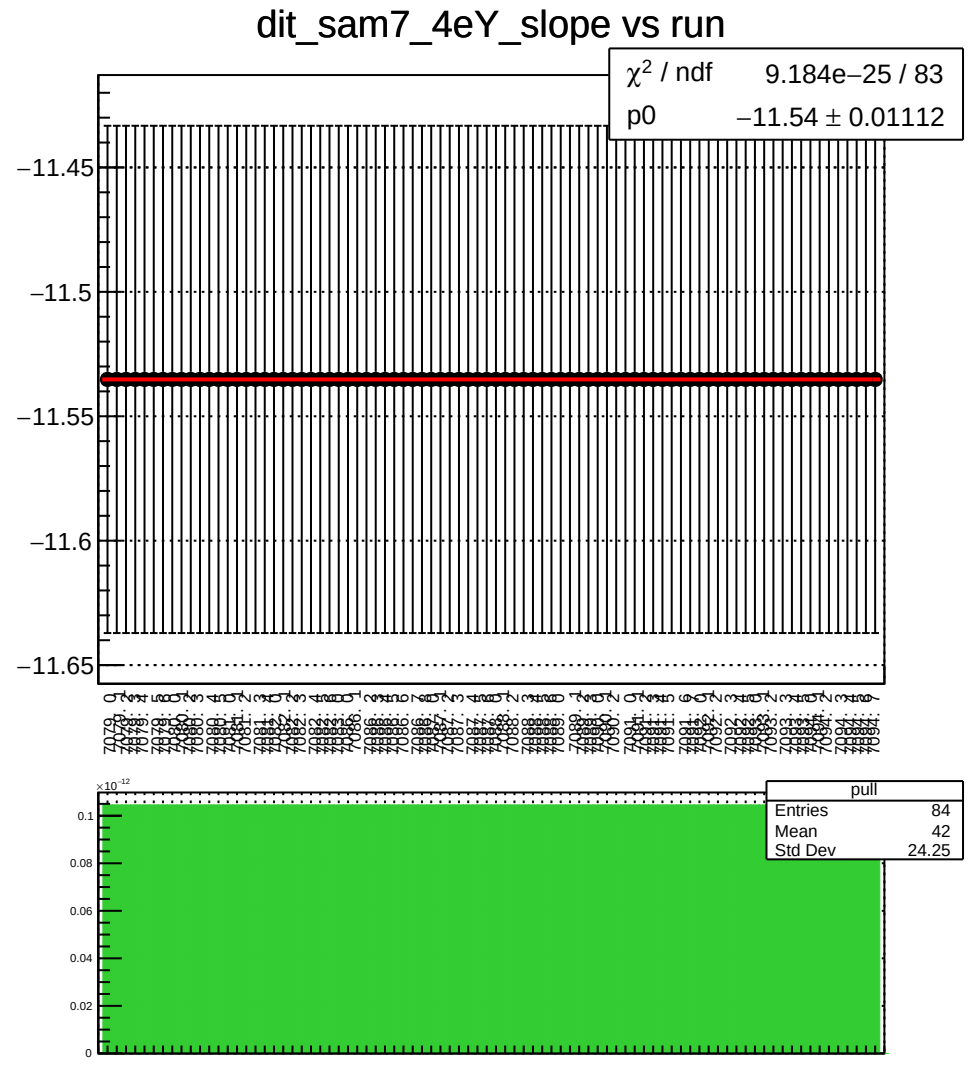

pull1D
Entries 84
Mean 2.508e−14
Std Dev 6.696e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

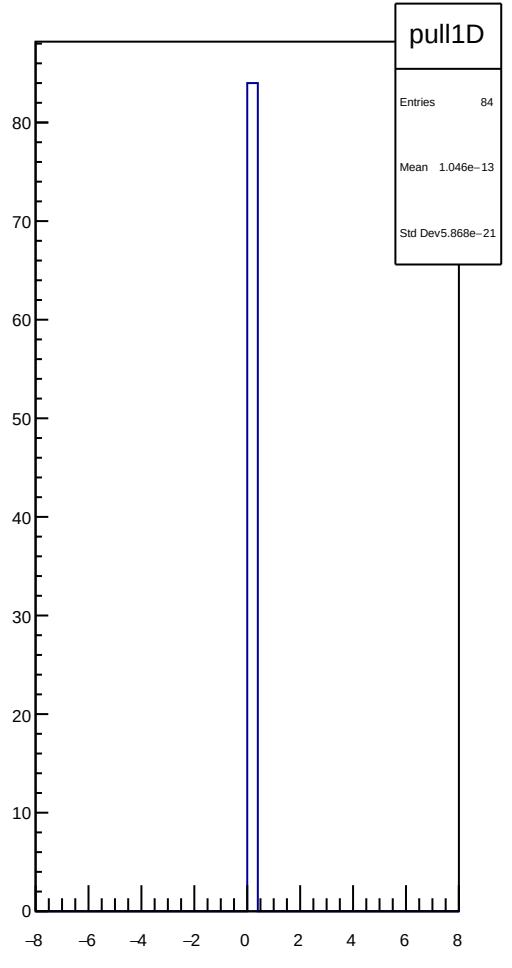

dit_sam7_11X12X_slope vs run
χ² / ndf 5.465e−27 / 83
p0 0.3736 ± 0.002253
0.395
0.39
0.385
0.38
0.375
0.37
0.365
0.36
0.355
0.35
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
−8

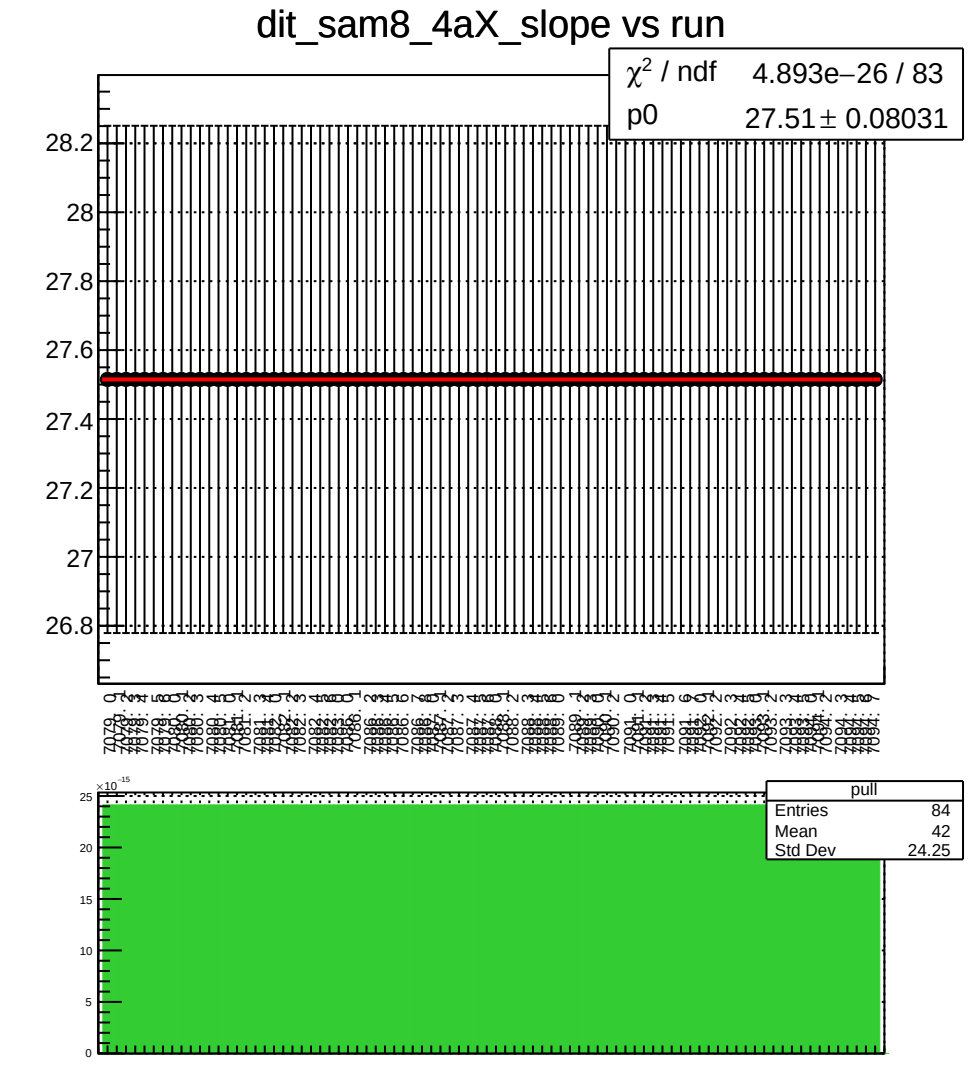

pull1D
Entries 84
Mean −8.066e−15
Std Dev 3.668e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

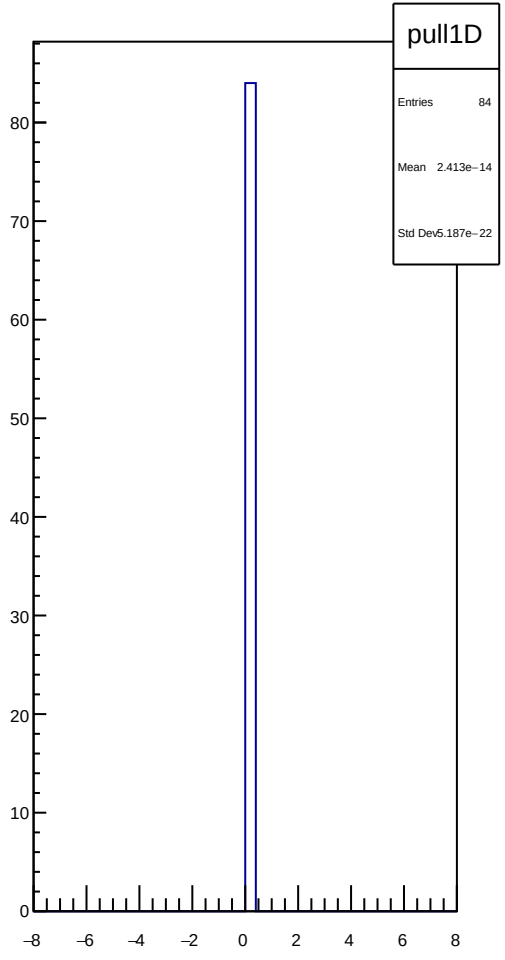

dit_sam7_4aY_slope vs run
χ² / ndf 2.519e−26 / 83
p0 5.772 ± 0.01119
5.85
5.8
5.75
5.7
5.65
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
−18

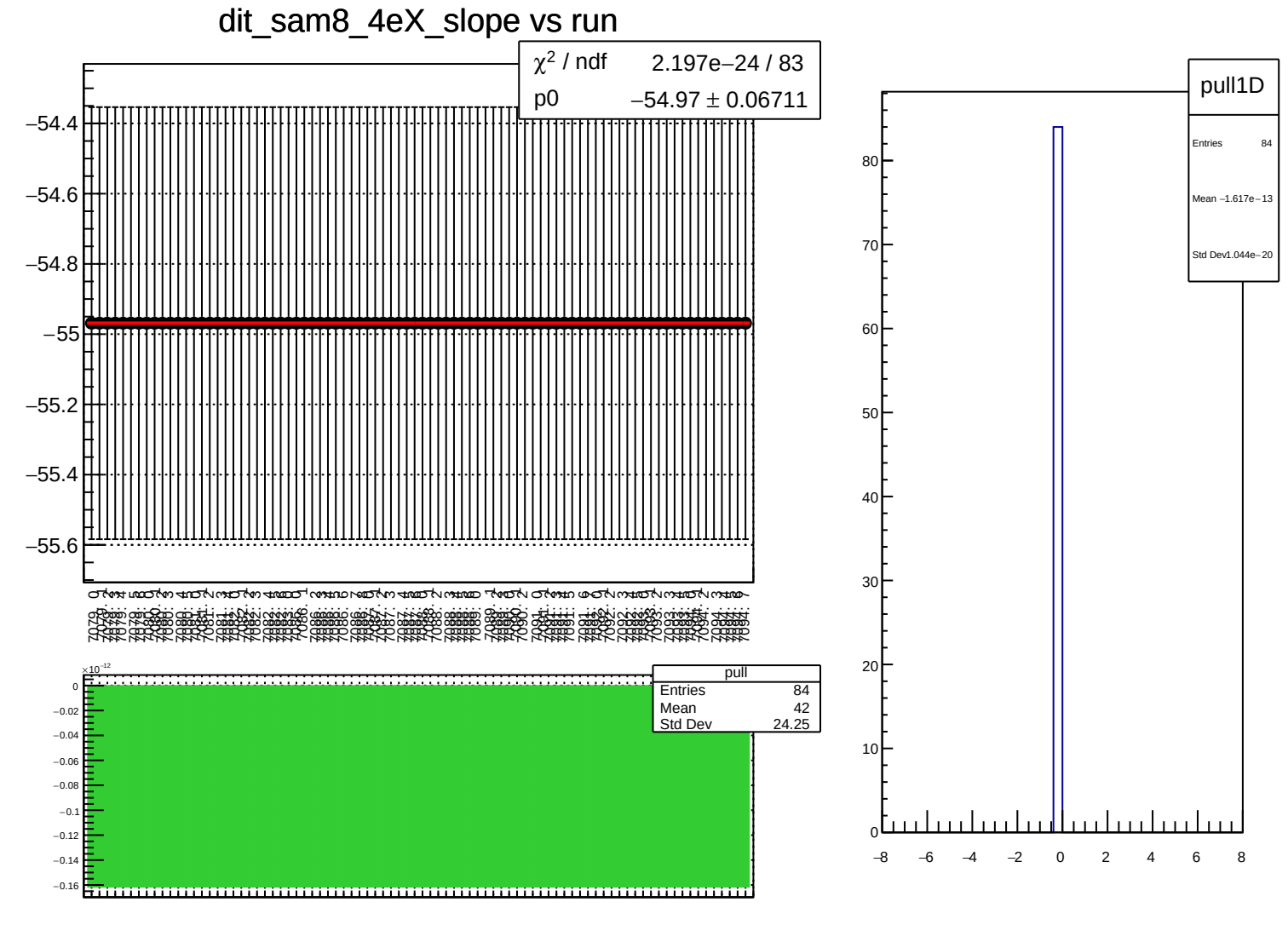

pull1D
Entries 84
Mean −1.732e−14
Std Dev7.635e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

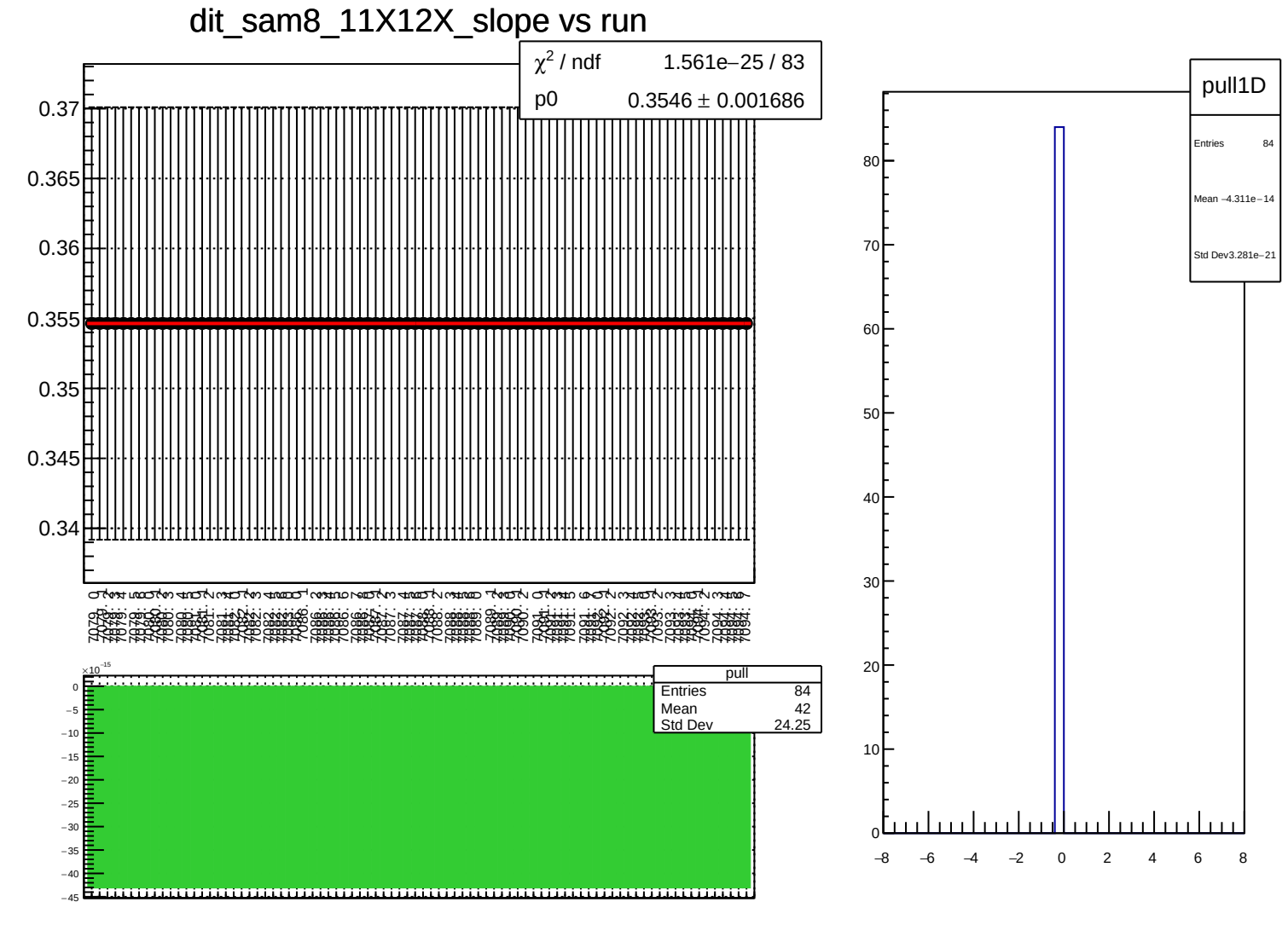

dit_sam7_4eY_slope vs run
χ² / ndf 9.184e−25 / 83
p0 −11.54 ± 0.01112
−11.45
−11.5
−11.55
−11.6
−11.65
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0

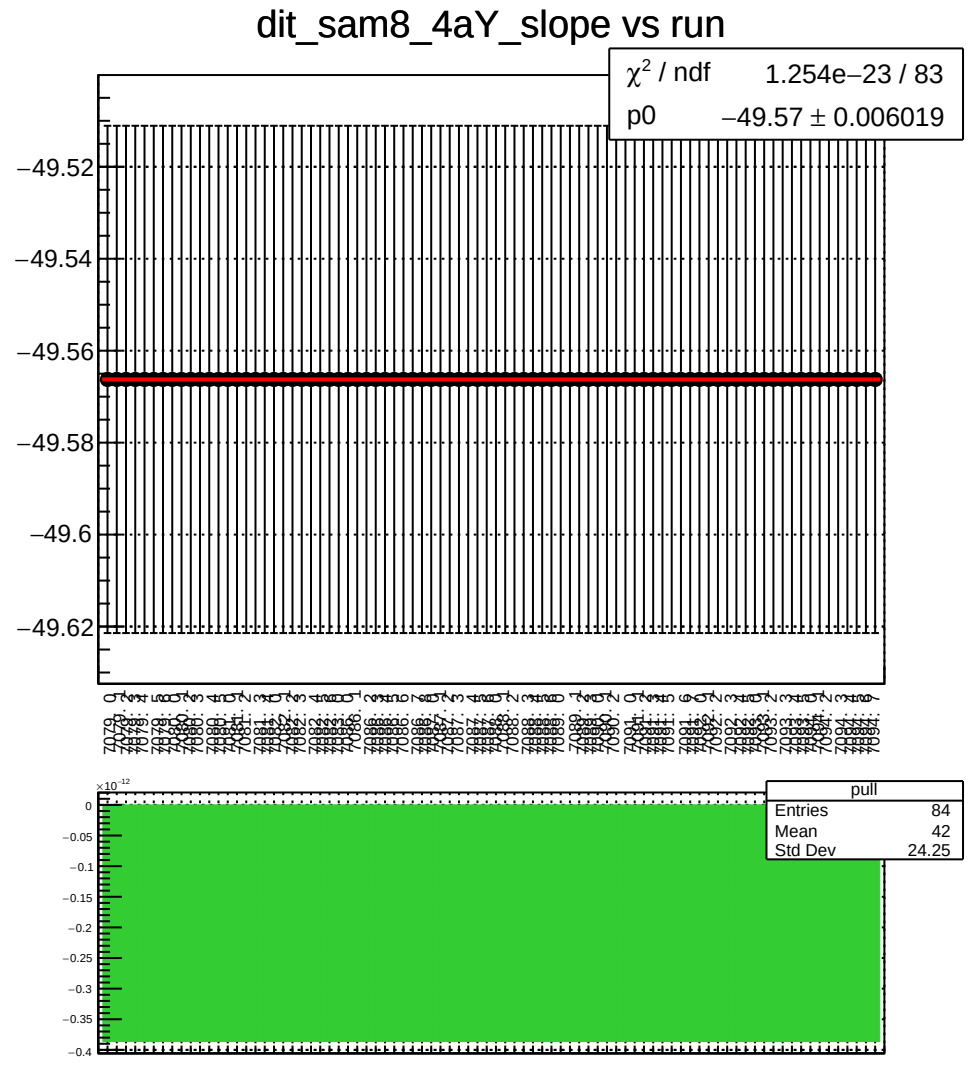

pull1D
Entries 84
Mean 1.046e−13
Std Dev5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

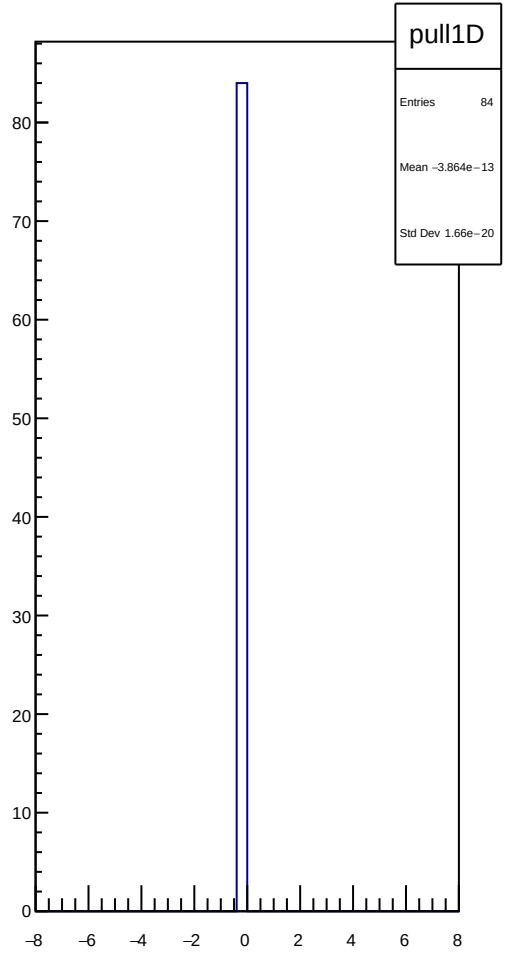

dit_sam8_4aX_slope vs run
χ² / ndf 4.893e−26 / 83
p0 27.51 ± 0.08031
28.2
28
27.8
27.6
27.4
27.2
27
26.8
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
25
20
15
10
5
0

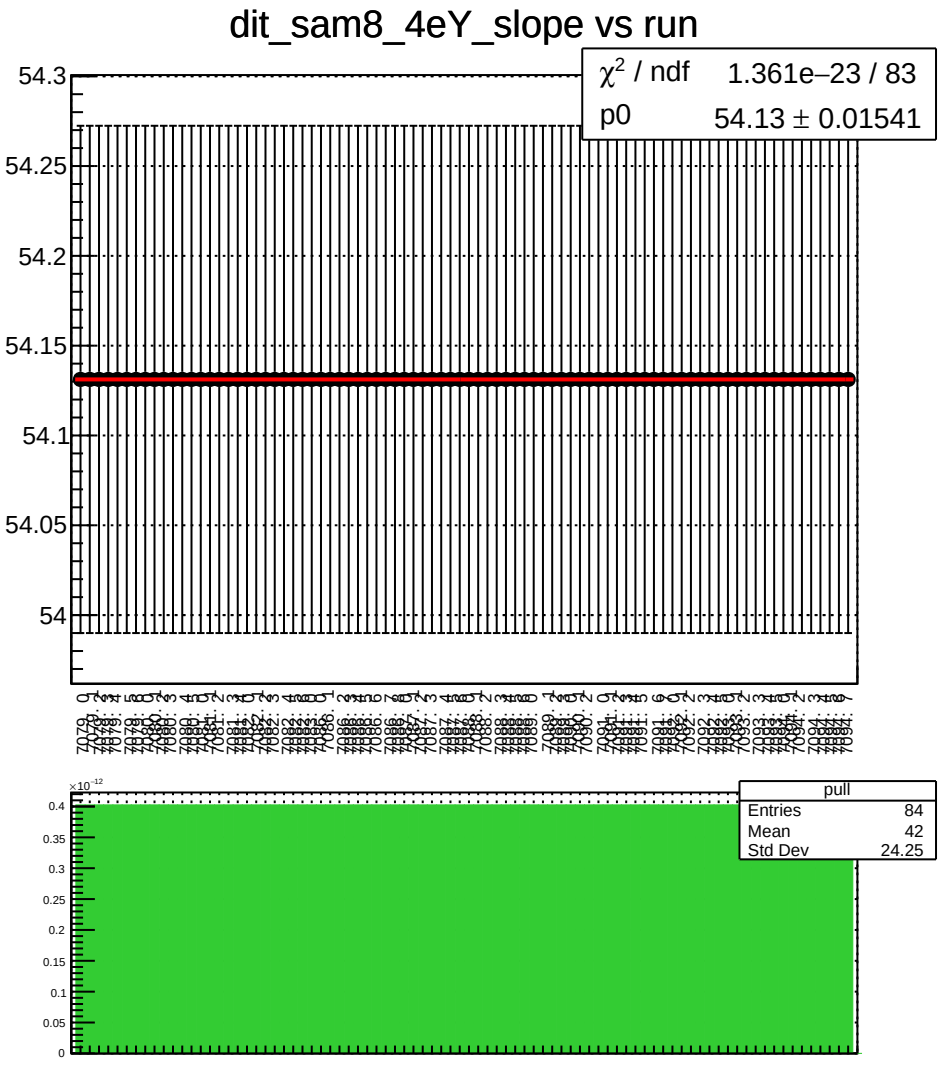

pull1D
Entries 84
Mean 2.413e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

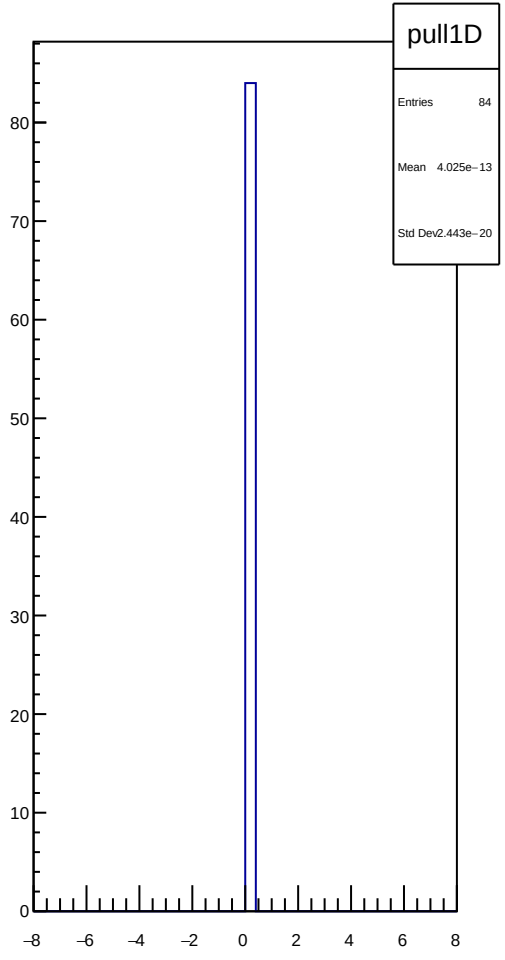

dit_sam8_4eX_slope vs run
χ² / ndf 2.197e−24 / 83
p0 −54.97 ± 0.06711
−54.4
−54.6
−54.8
−55
−55.2
−55.4
−55.6
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
pull1D
Entries 84
Mean −1.617e−13
Std Dev1.044e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

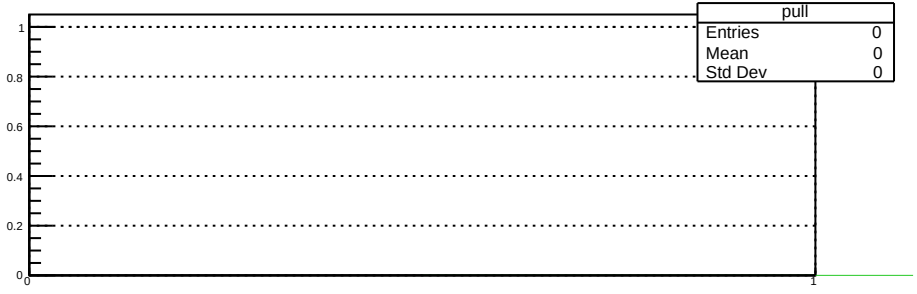

dit_sam8_11X12X_slope vs run
χ² / ndf 1.561e−25 / 83
p0 0.3546 ± 0.001686
0.37
0.365
0.36
0.355
0.35
0.345
0.34
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
−45
pull1D
Entries 84
Mean −4.311e−14
Std Dev3.281e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

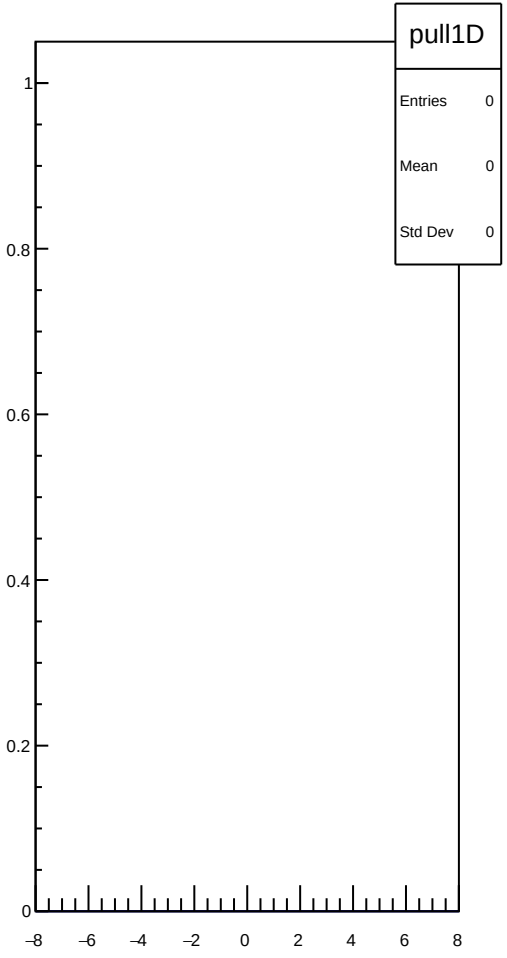

dit_sam8_4aY_slope vs run
χ² / ndf 1.254e−23 / 83
p0 −49.57 ± 0.006019
−49.52
−49.54
−49.56
−49.58
−49.6
−49.62
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4

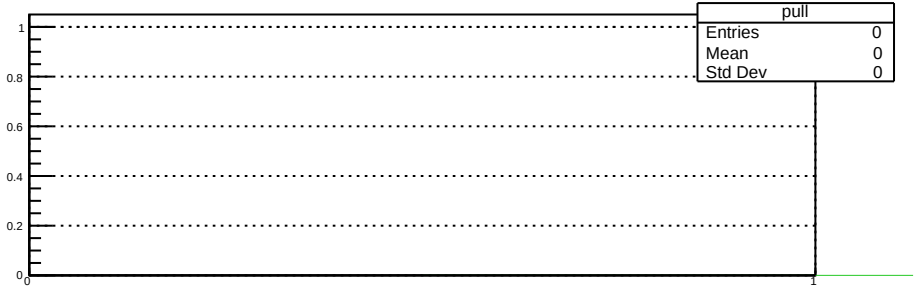

pull1D
Entries 84
Mean −3.864e−13
Std Dev 1.66e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

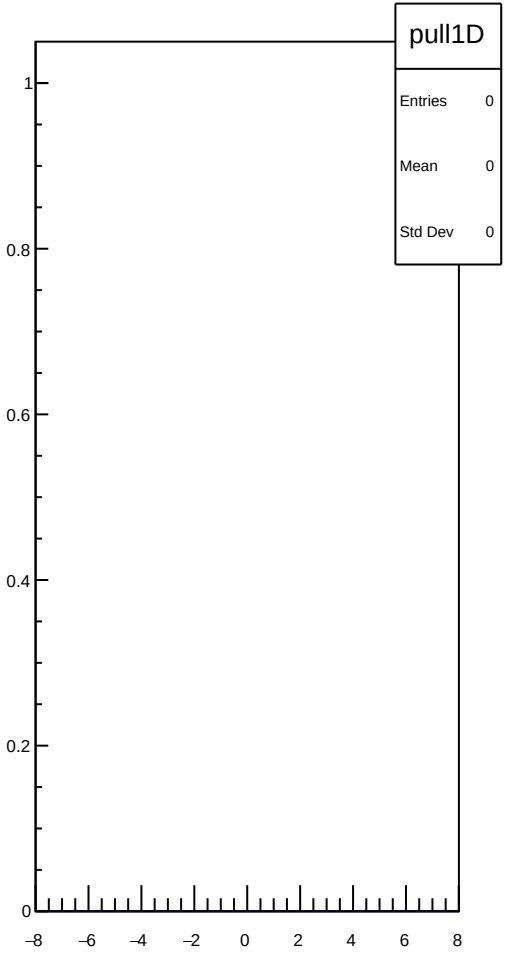

dit_sam8_4eY_slope vs run
χ² / ndf 1.361e−23 / 83
p0 54.13 ± 0.01541
54.3
54.25
54.2
54.15
54.1
54.05
54
pull
Entries 84
Mean 42
Std Dev 24.25
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

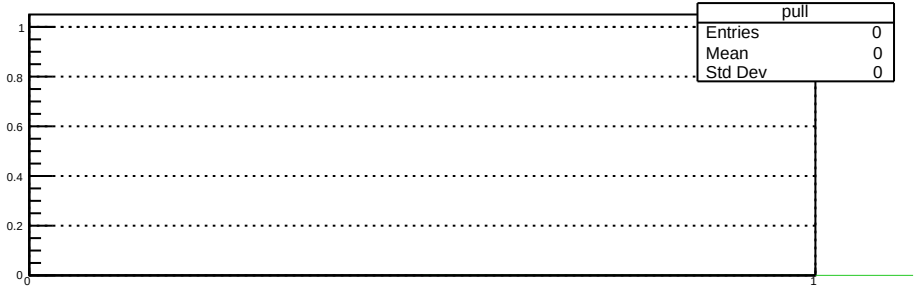

pull1D
Entries 84
Mean 4.025e−13
Std Dev2.443e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

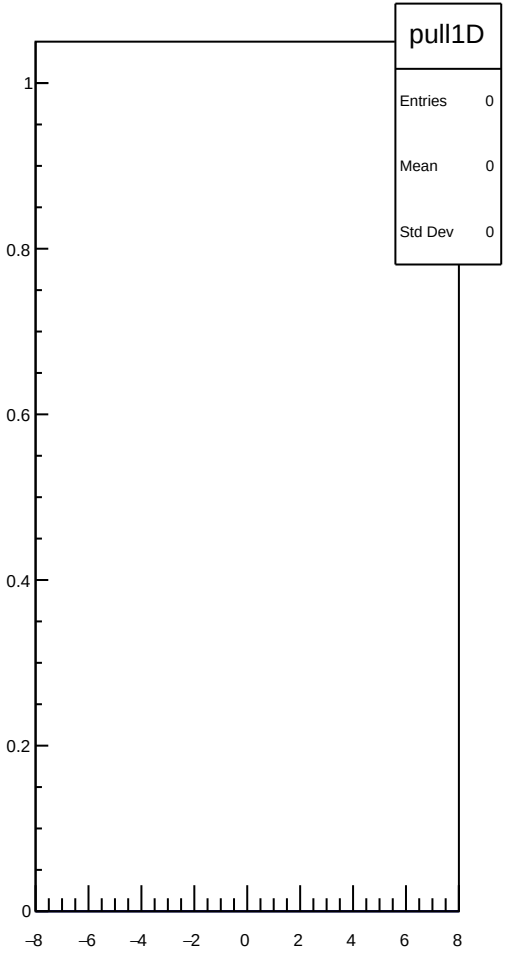

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

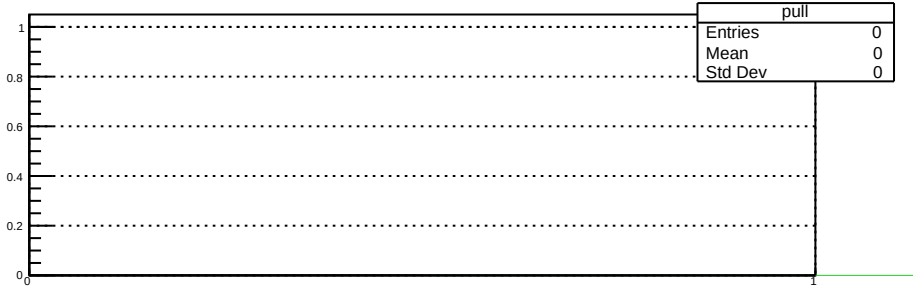

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

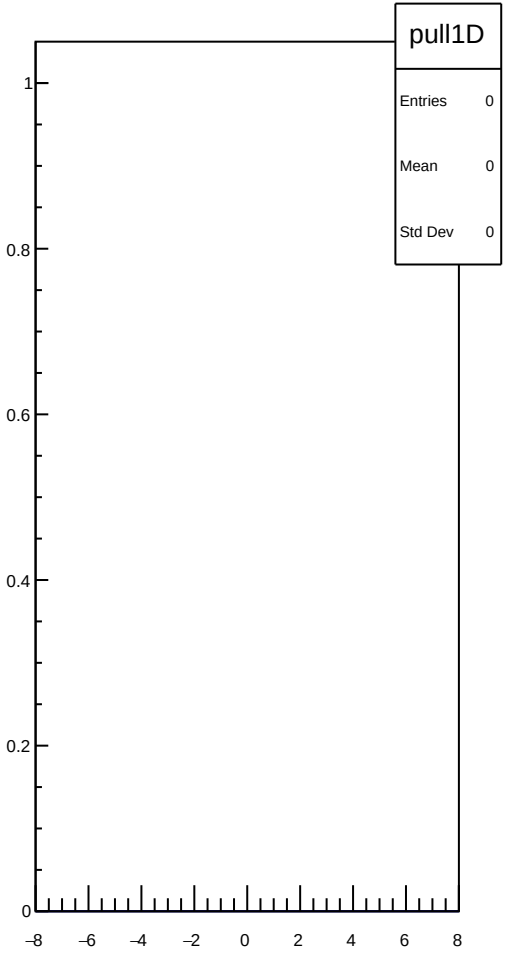

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

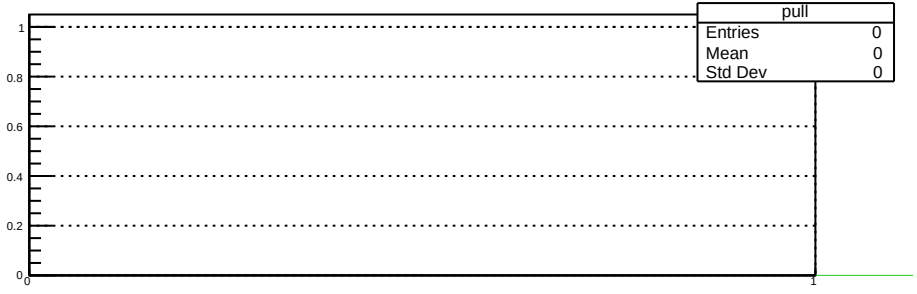

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

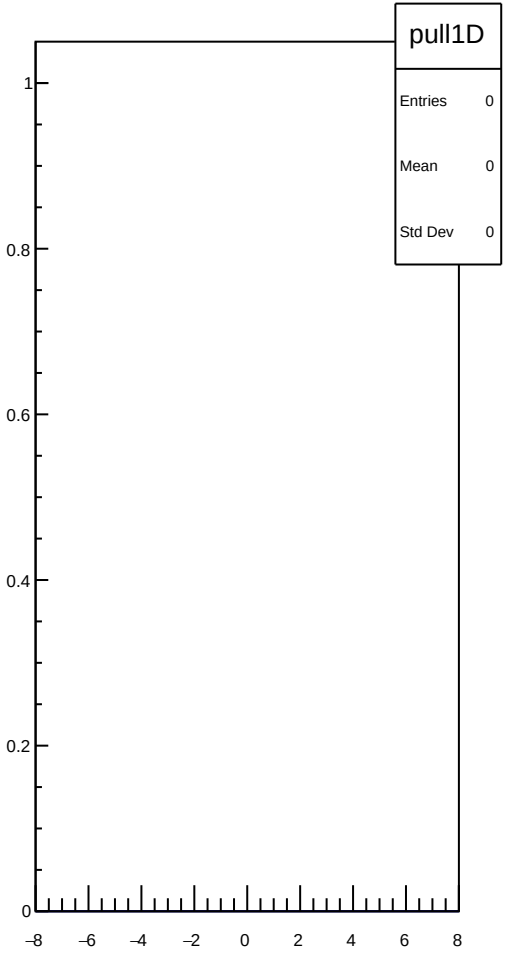

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

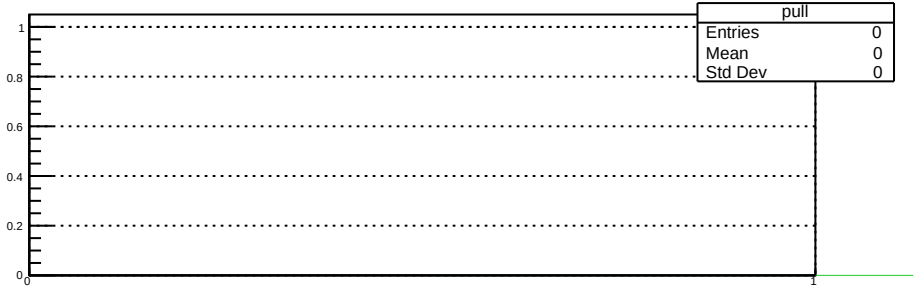

pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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–6
–4
–2
0
2
4
6
8

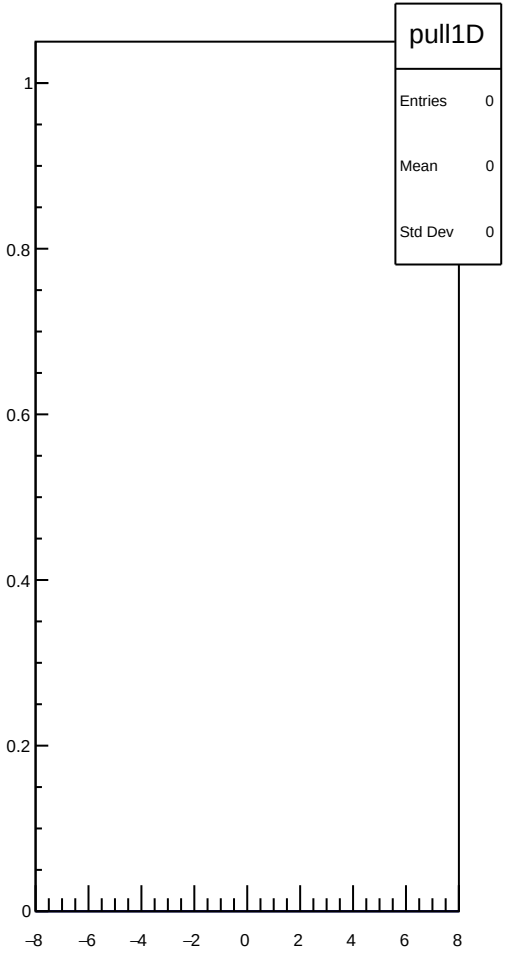

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

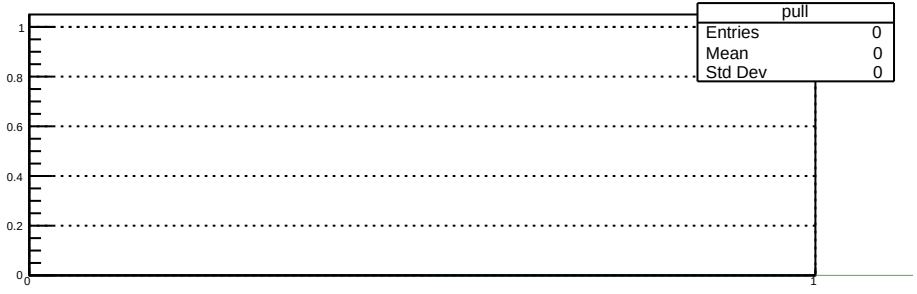

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

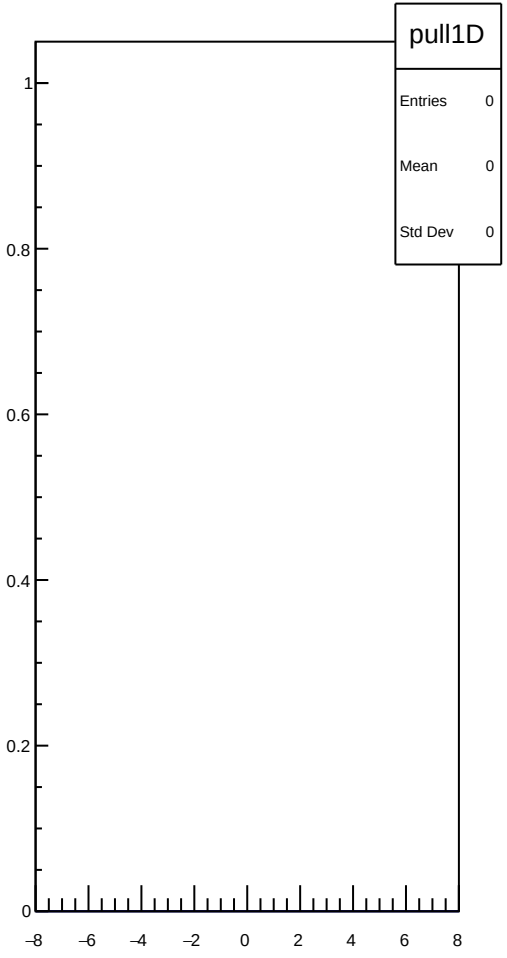

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

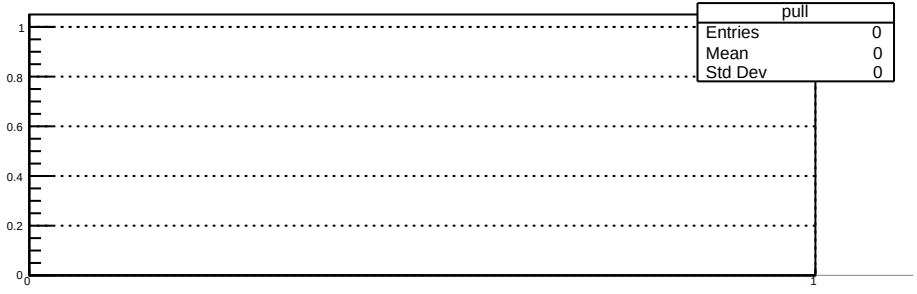

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

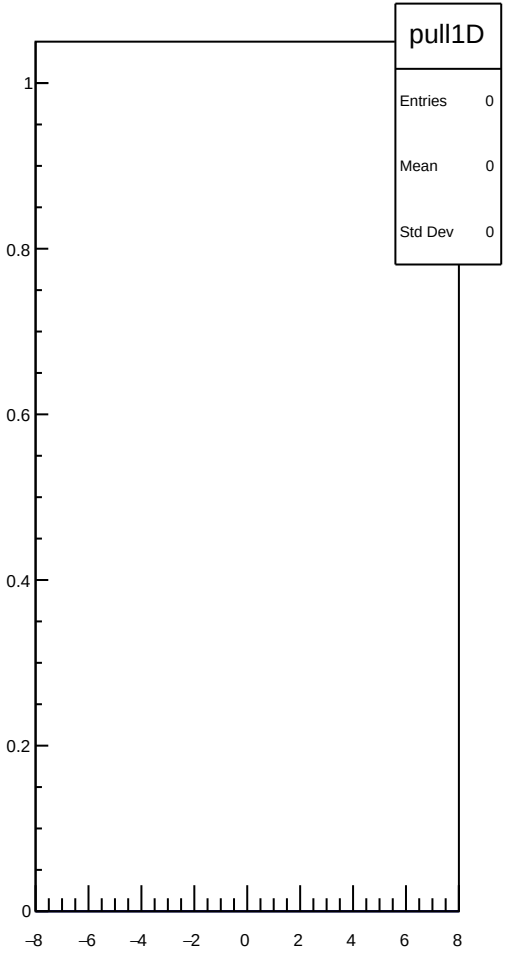

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

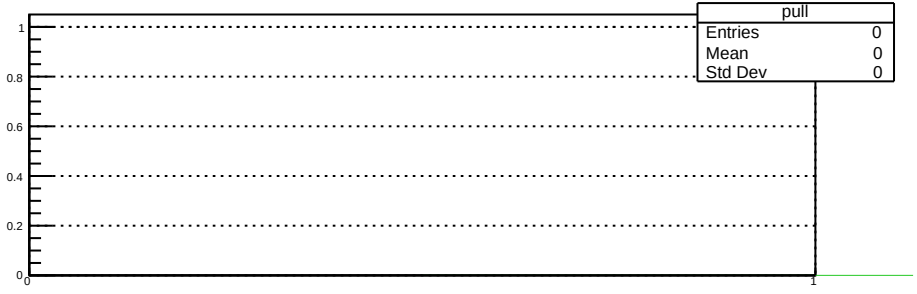

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

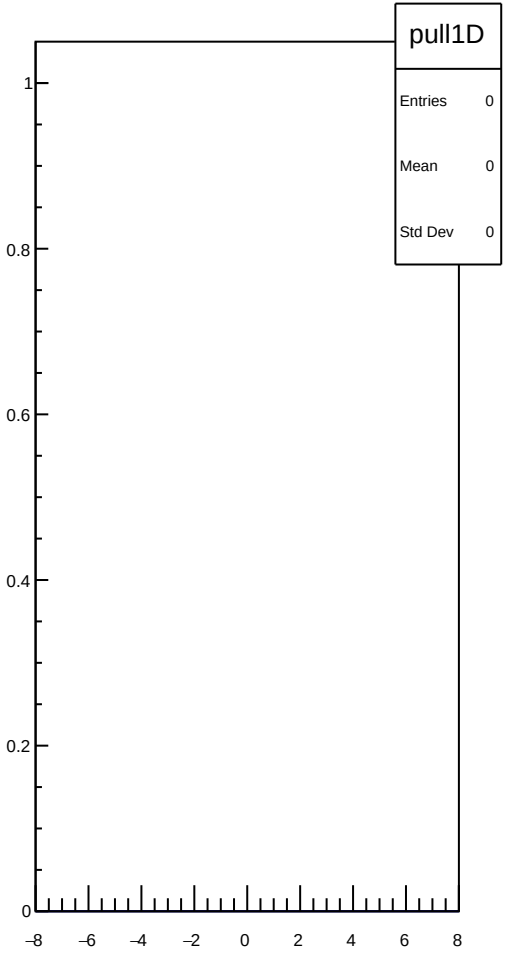

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
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1

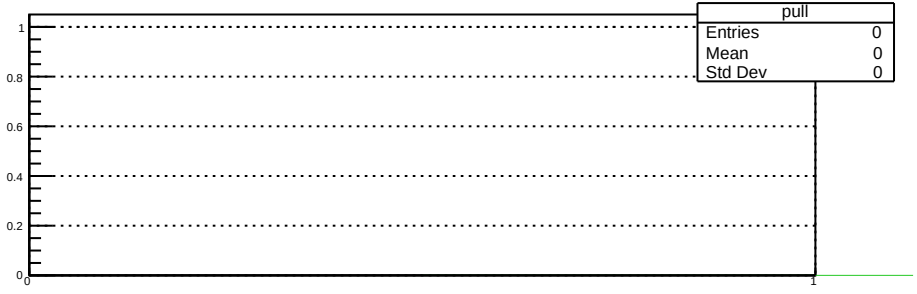

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

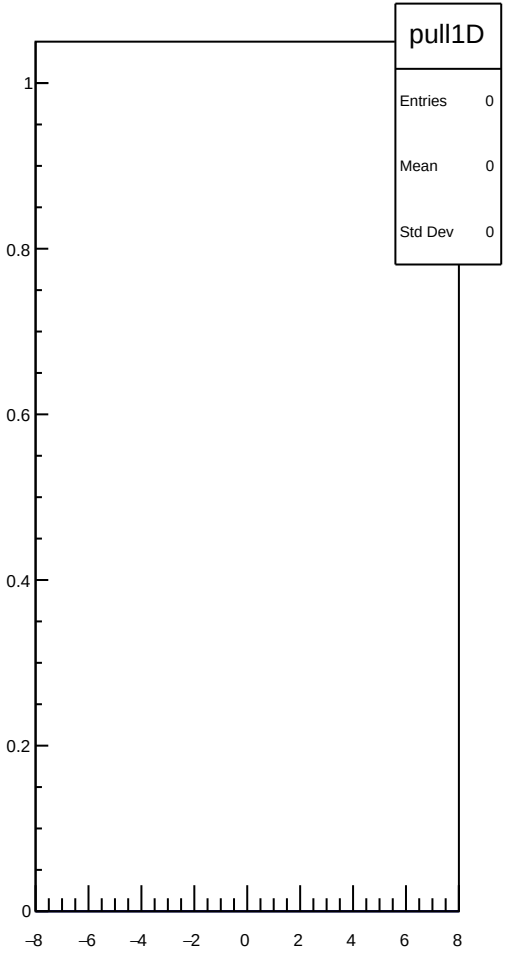

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

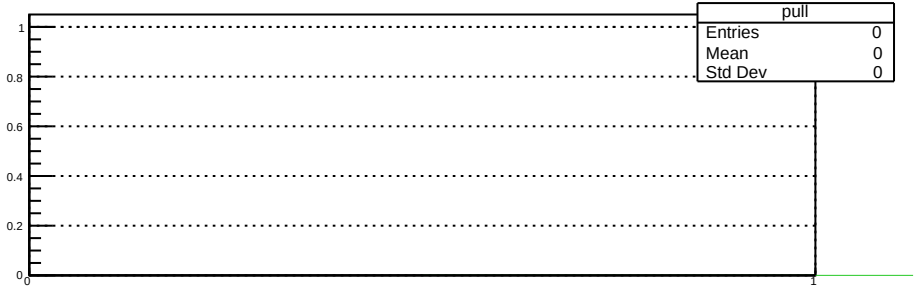

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

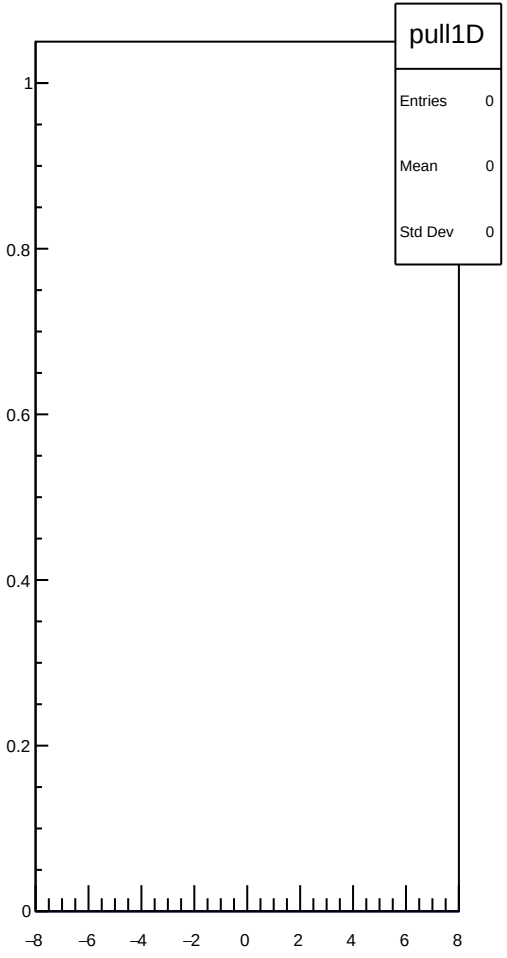

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

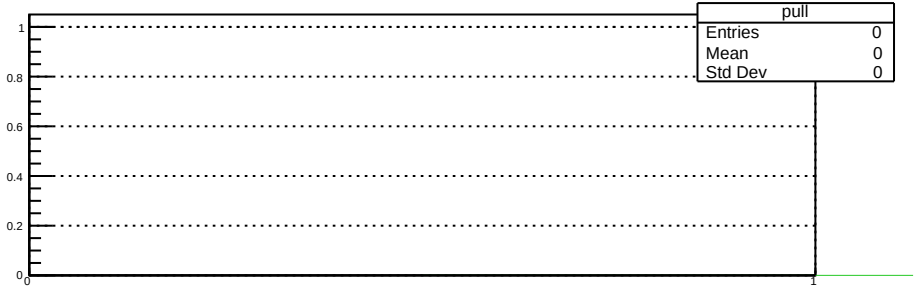

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
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–4
–2
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2
4
6
8

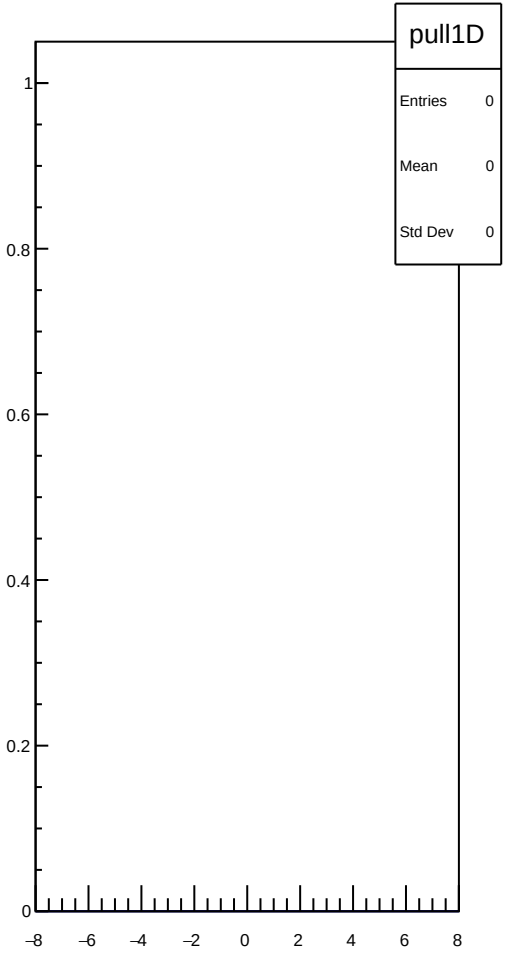

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

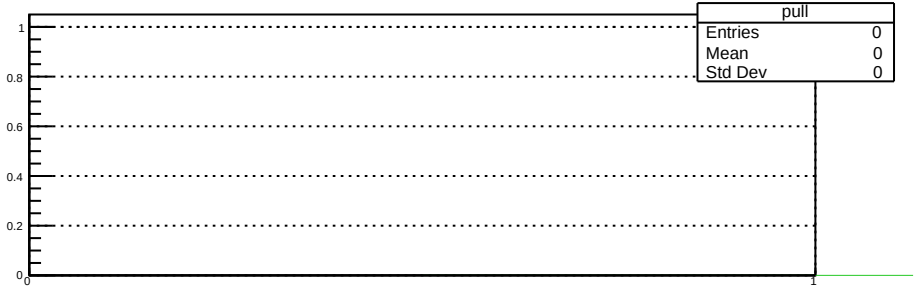

pull1D
Entries 0
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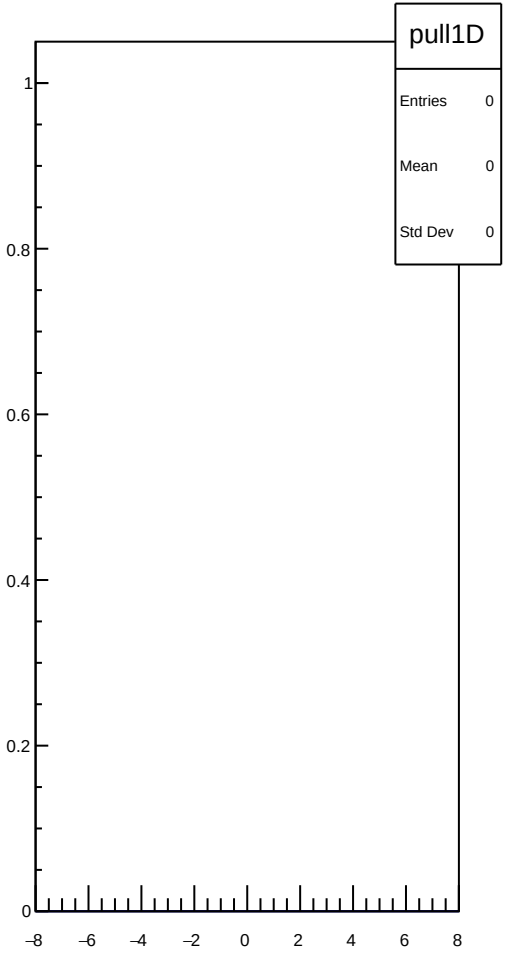

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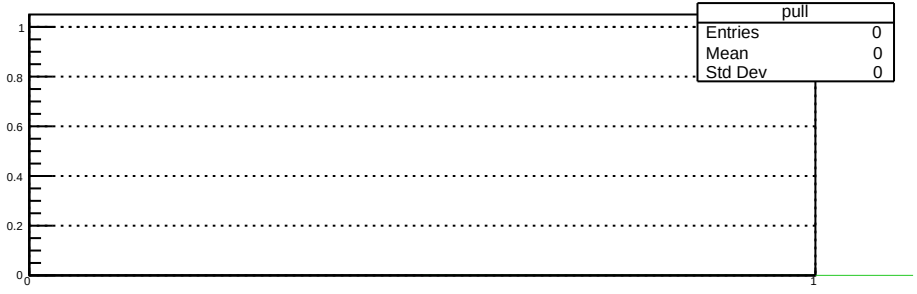

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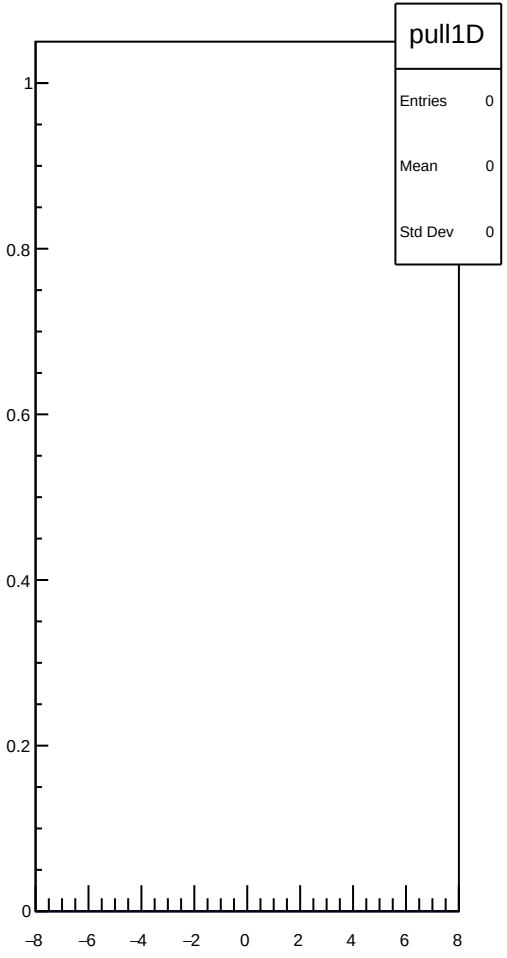

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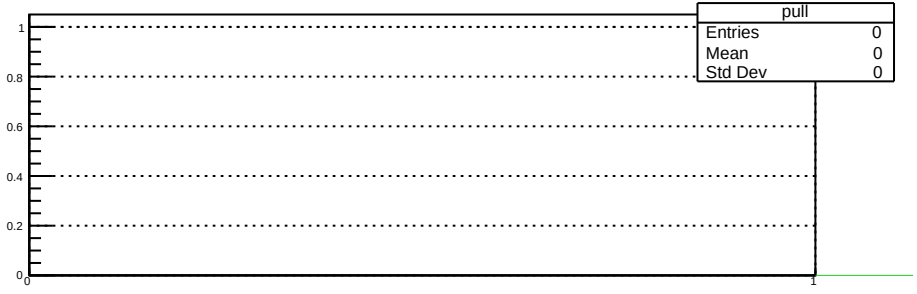

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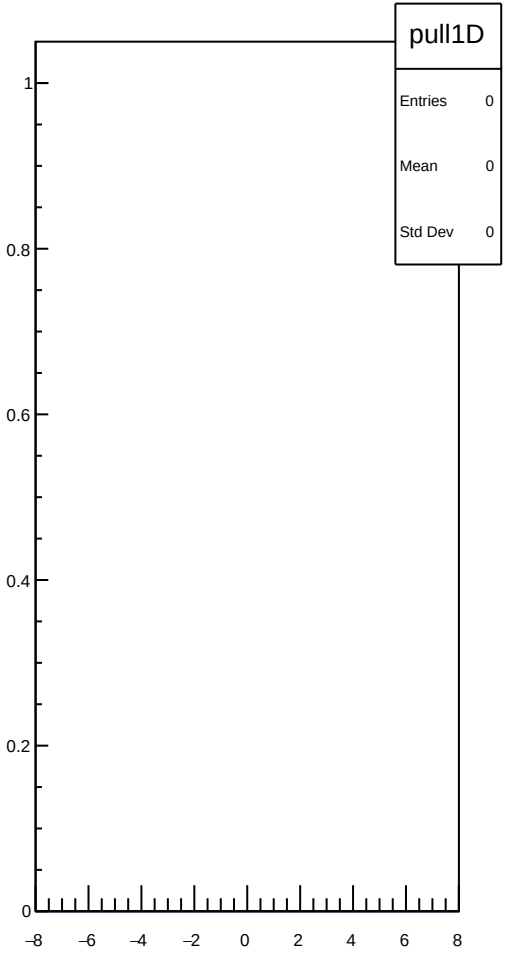

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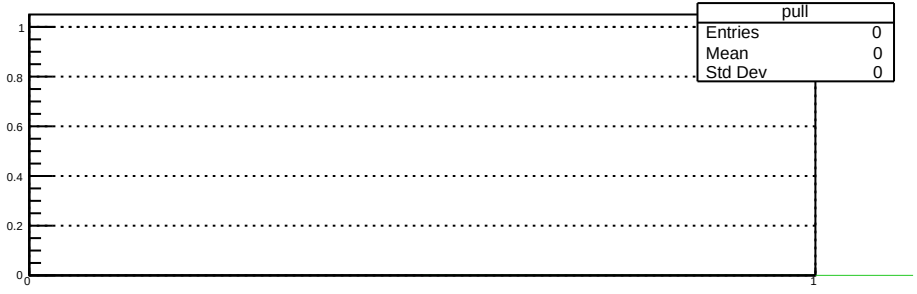

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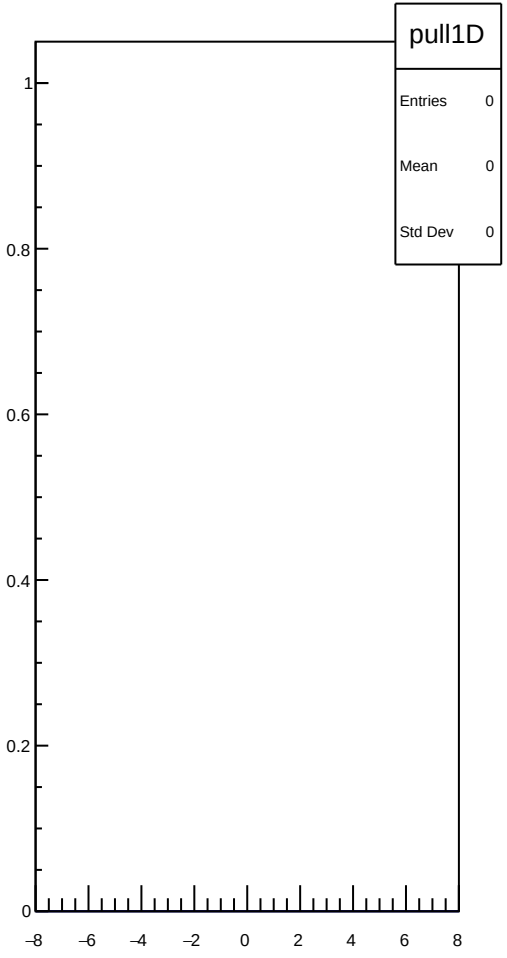

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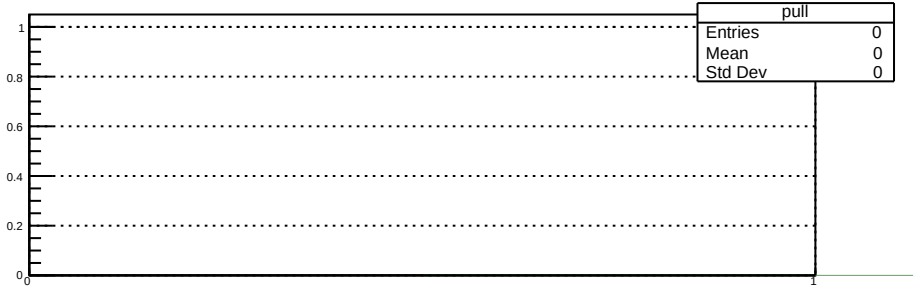

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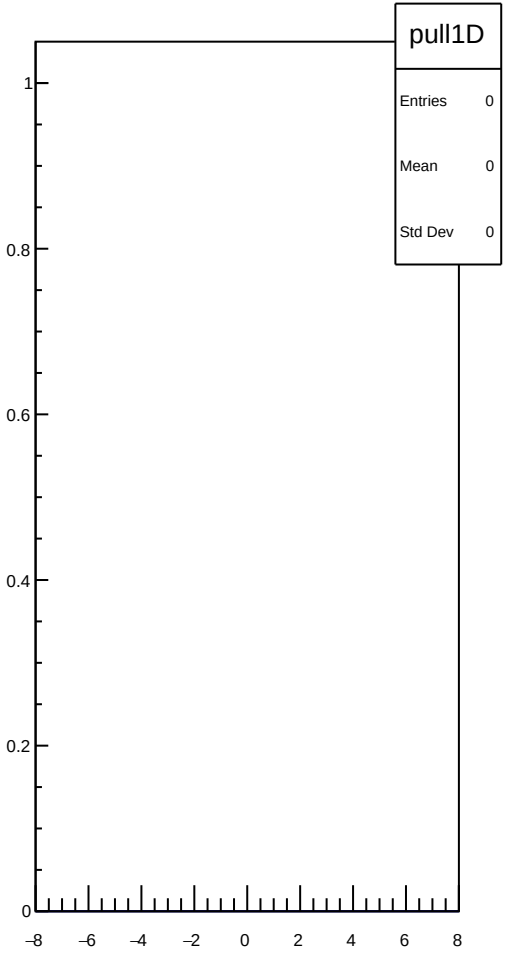

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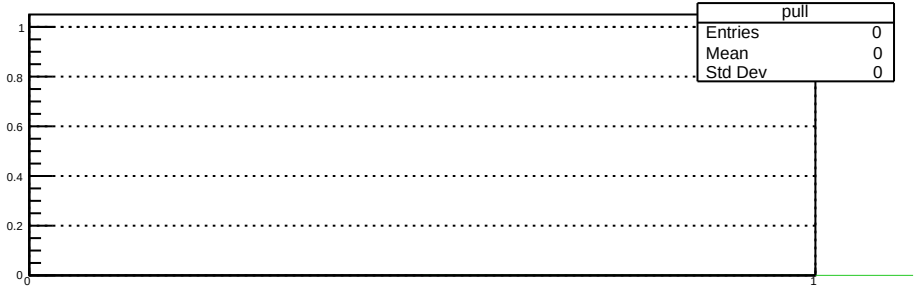

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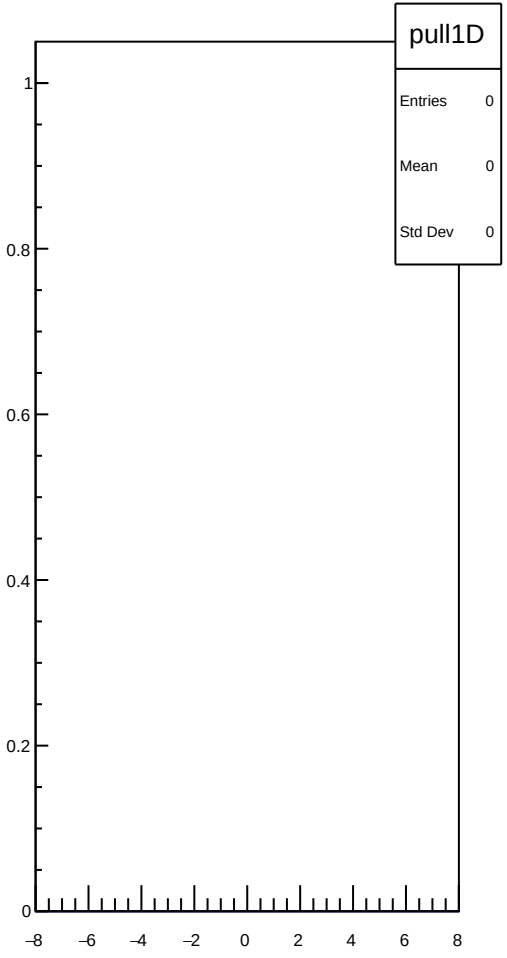

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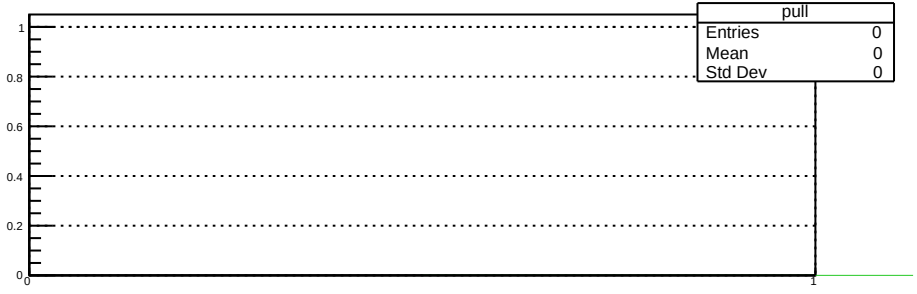

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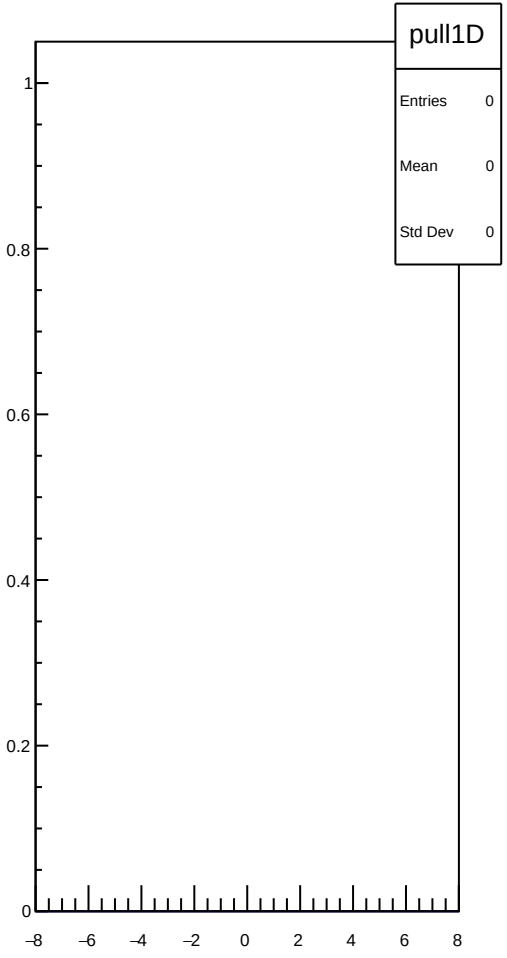

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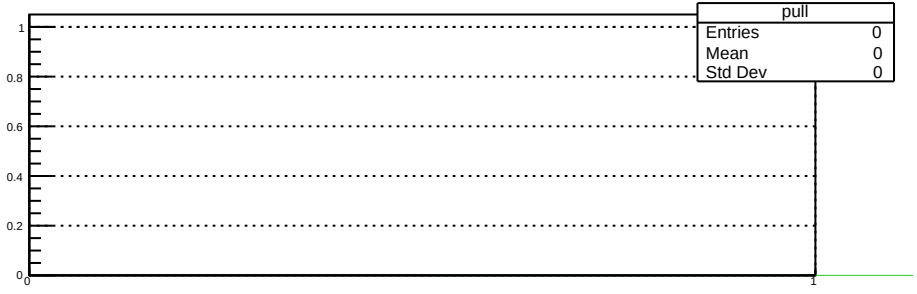

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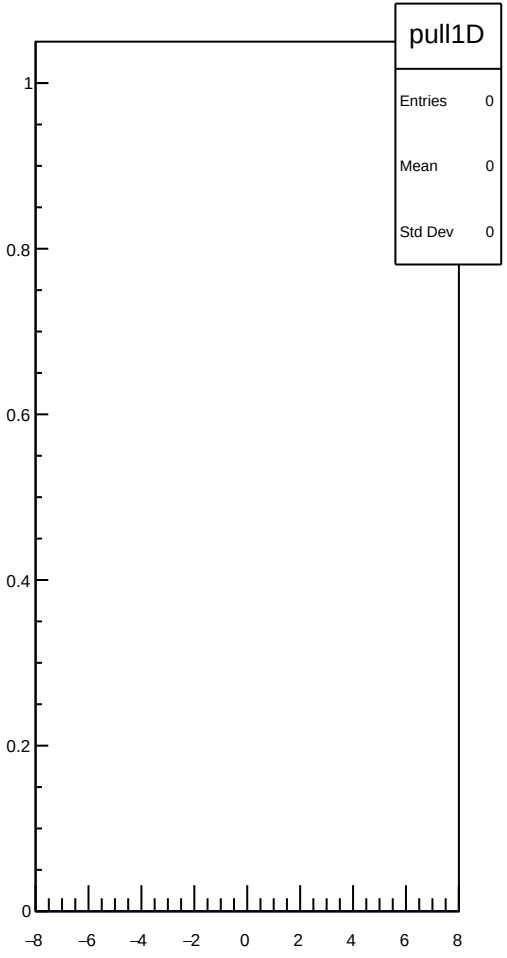

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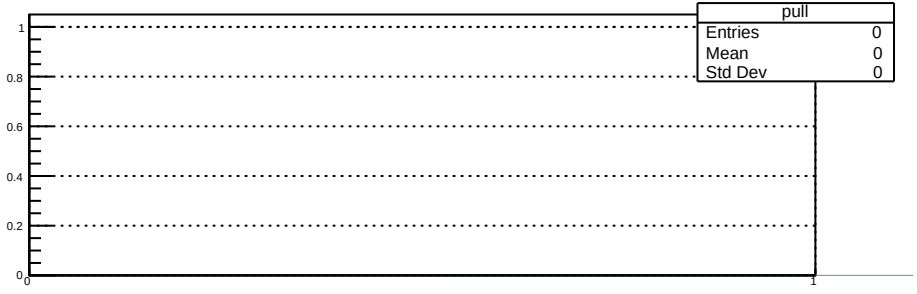

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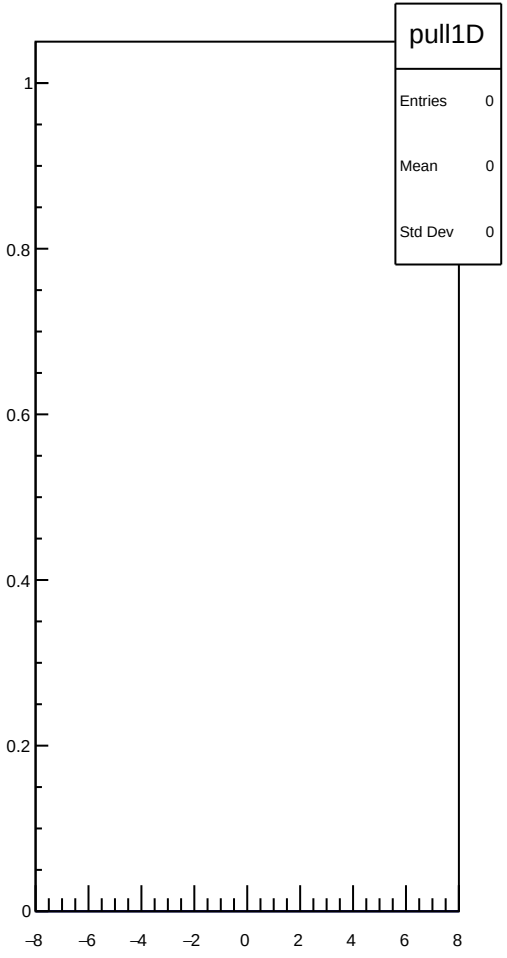

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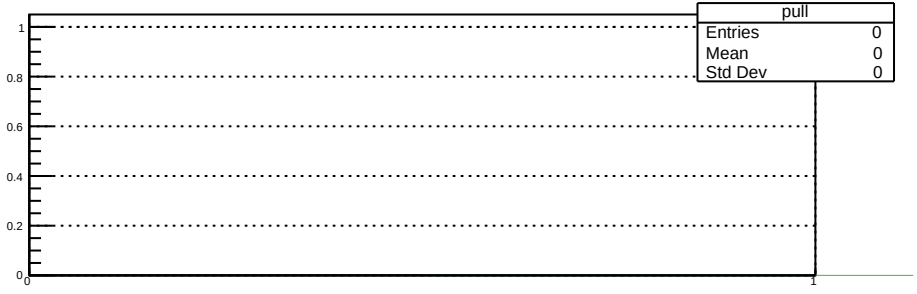

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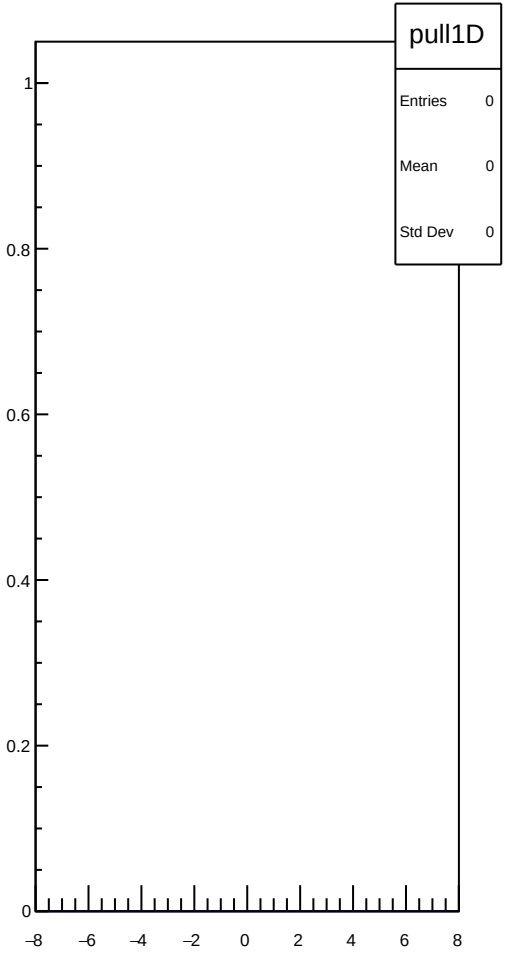

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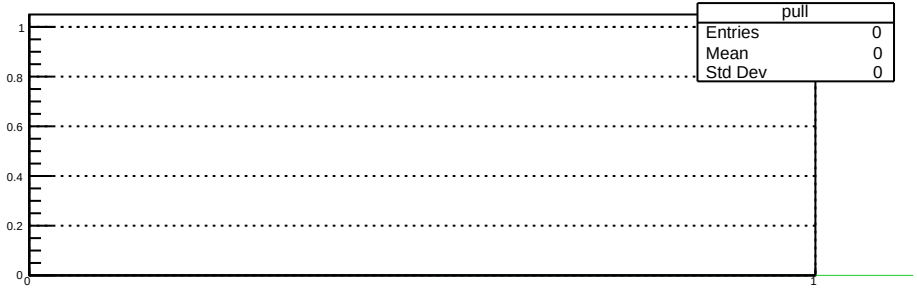

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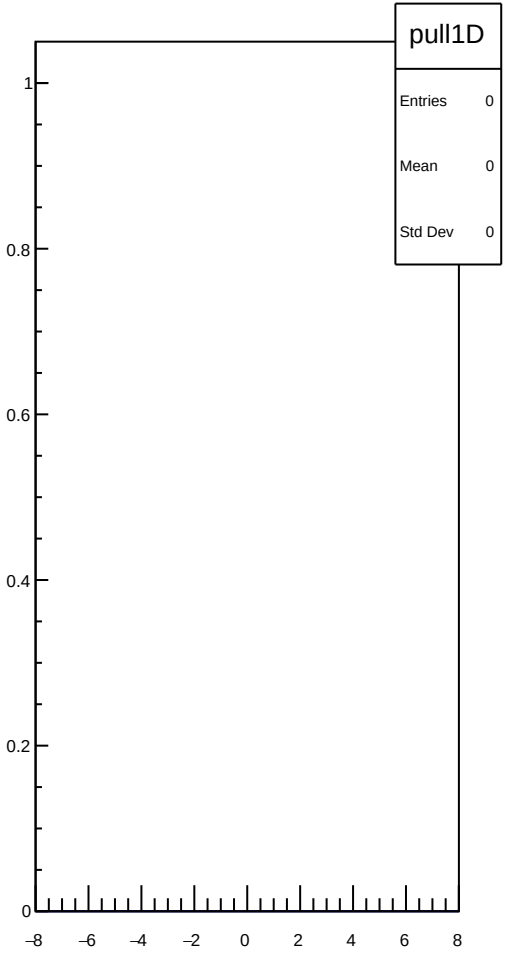

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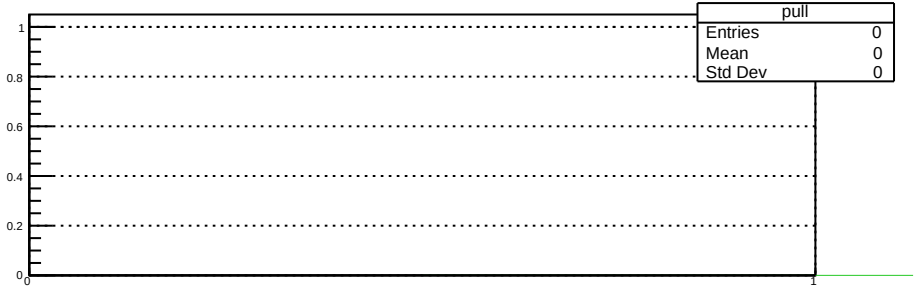

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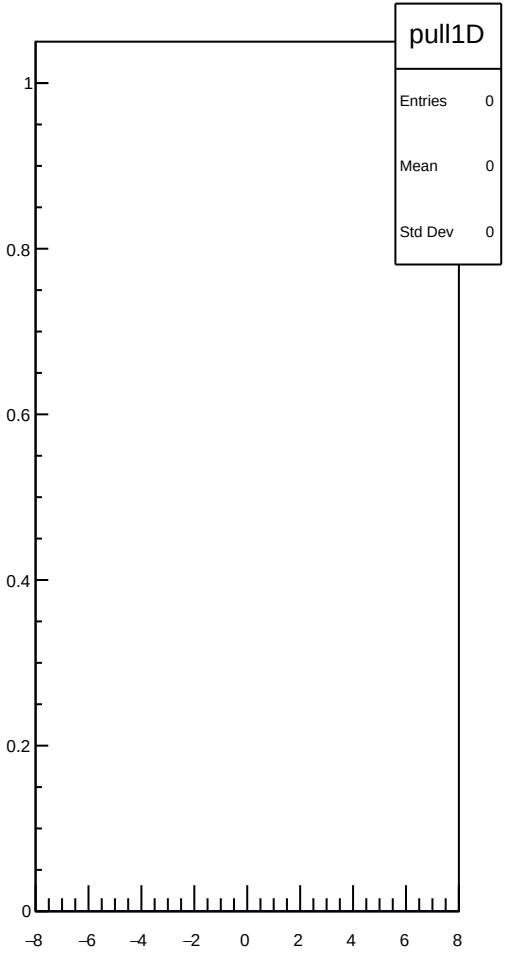

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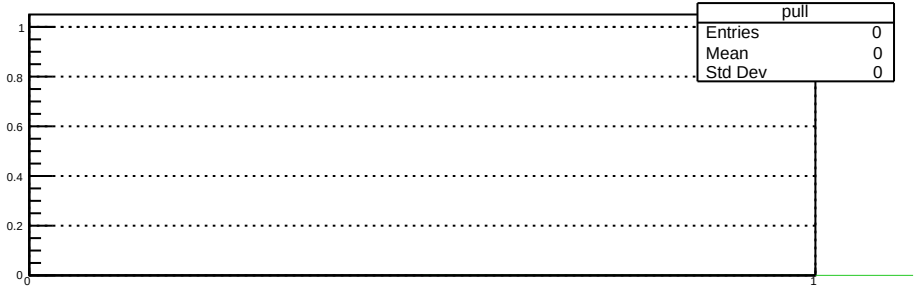

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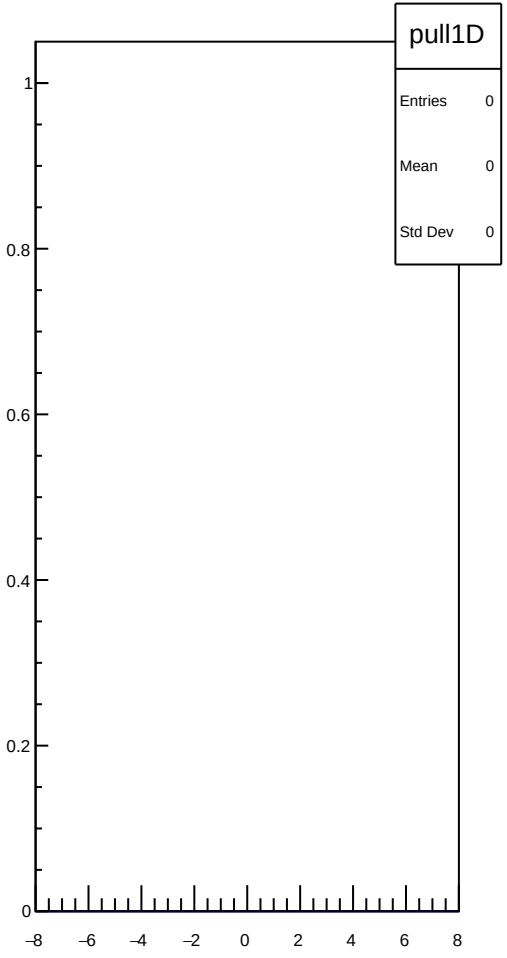

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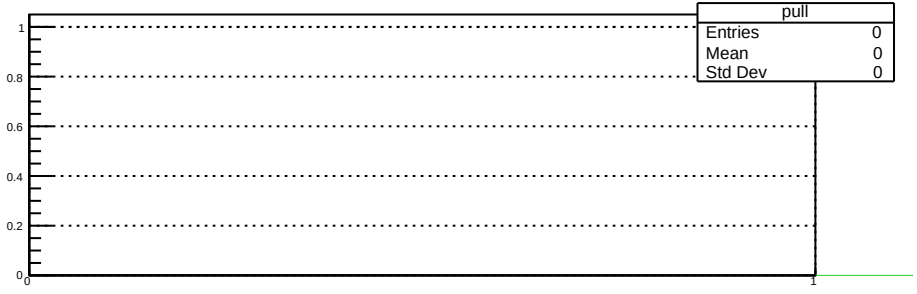

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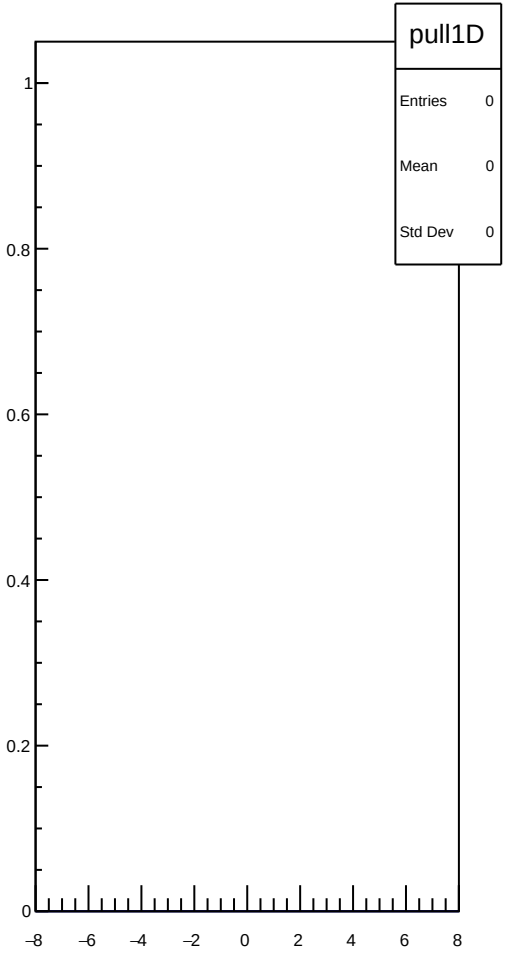

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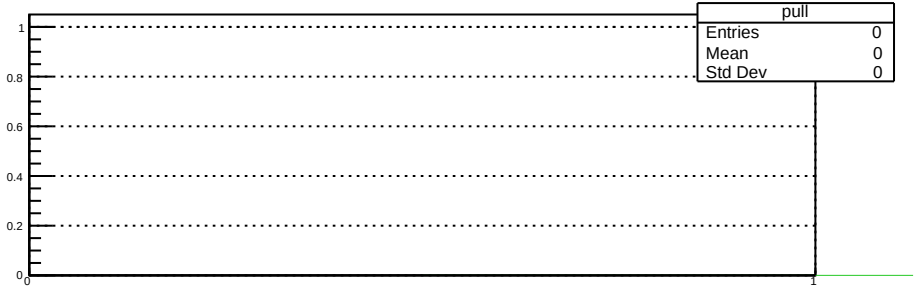

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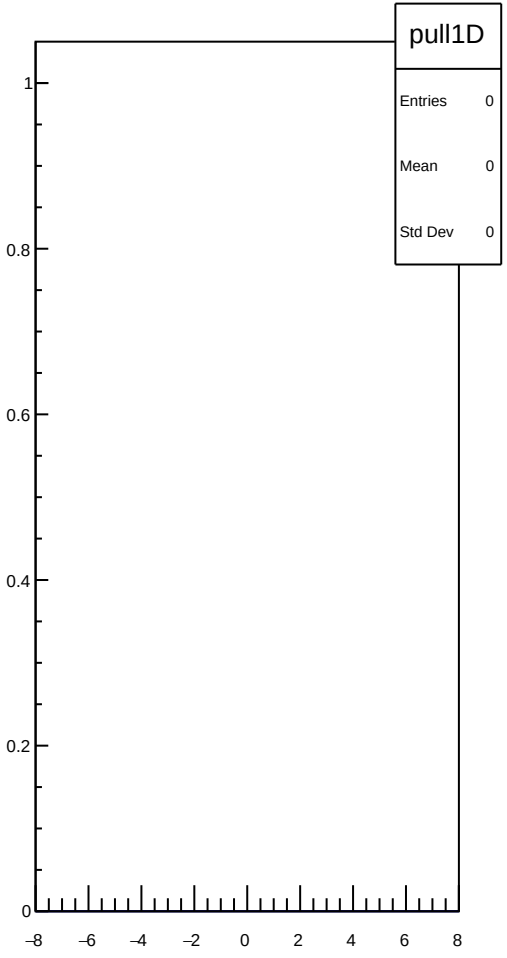

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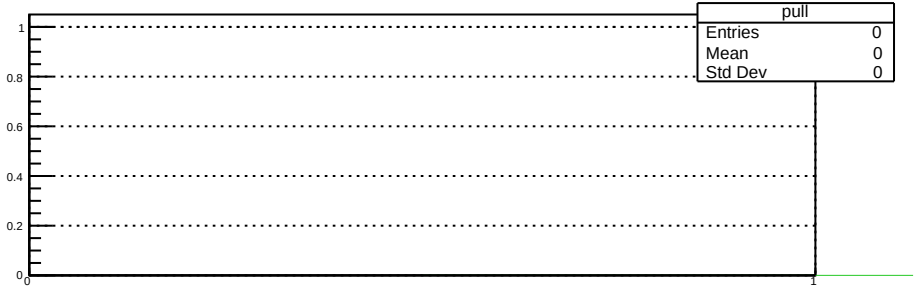

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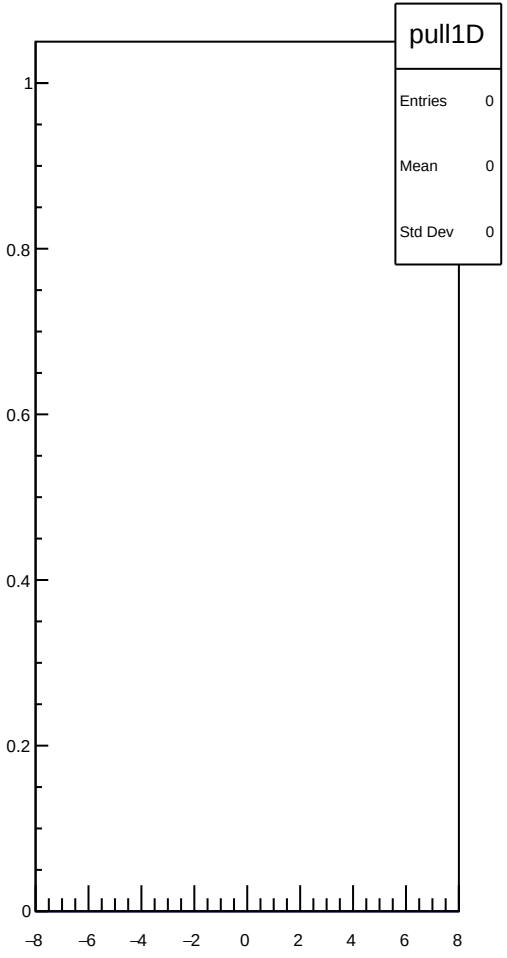

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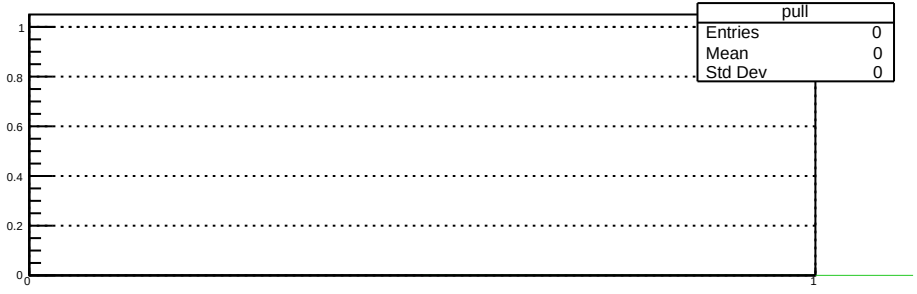

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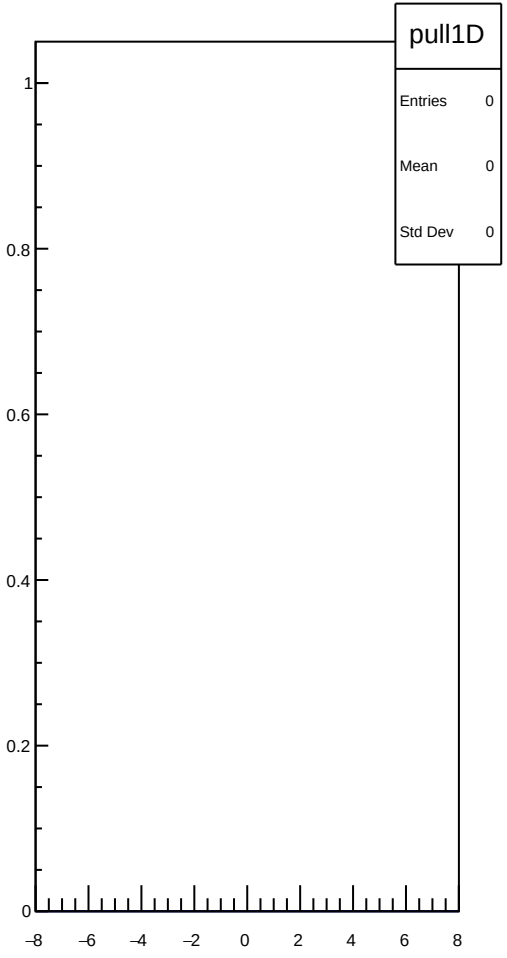

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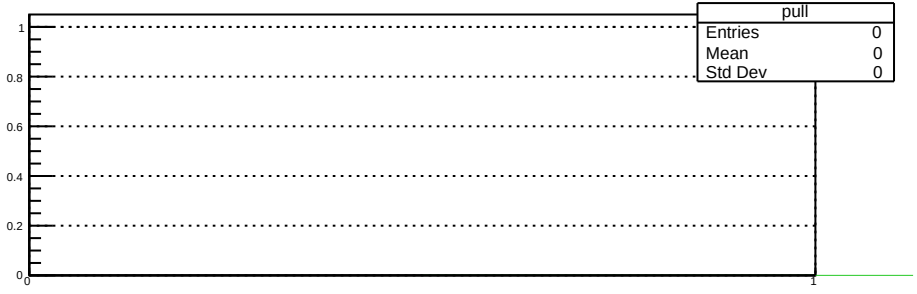

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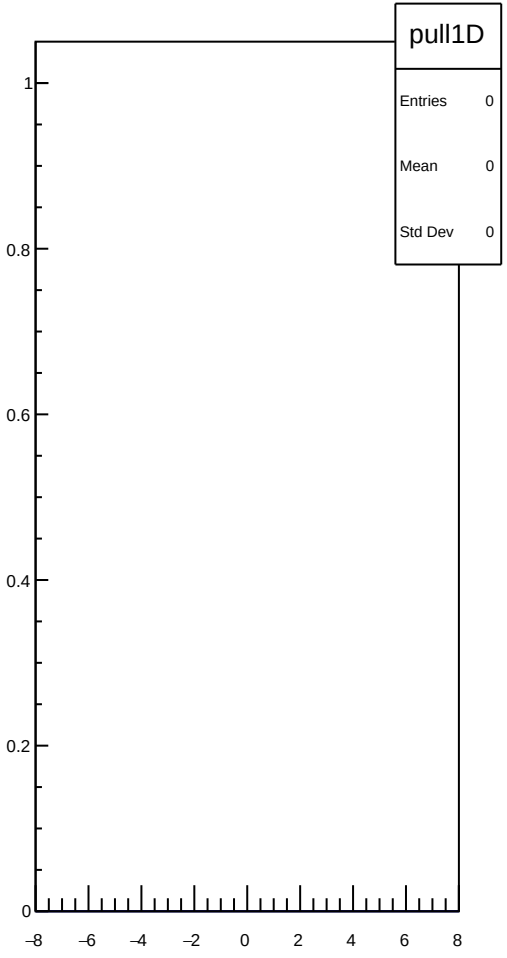

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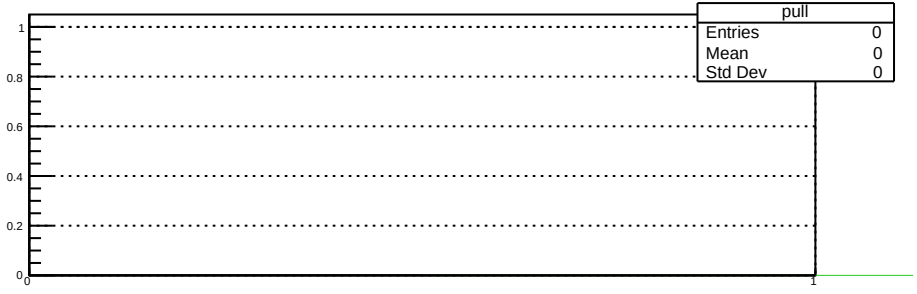

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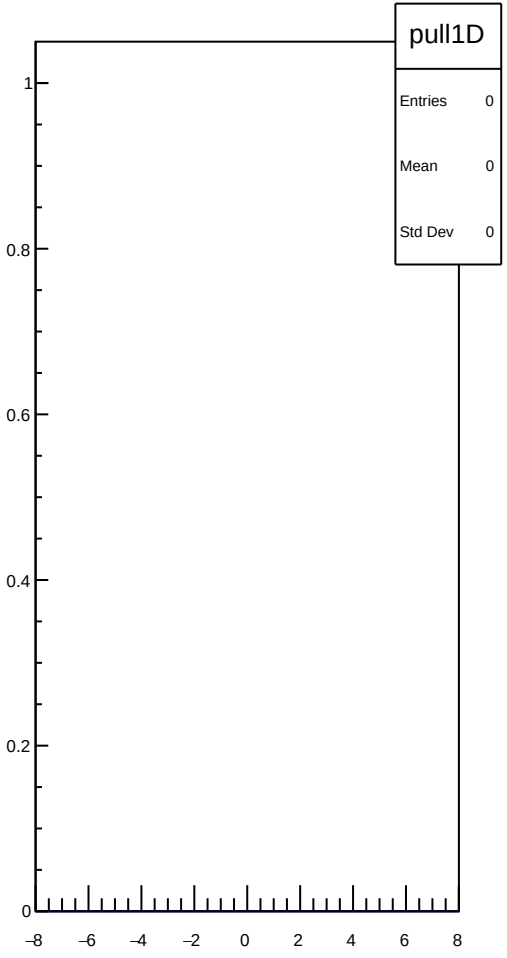

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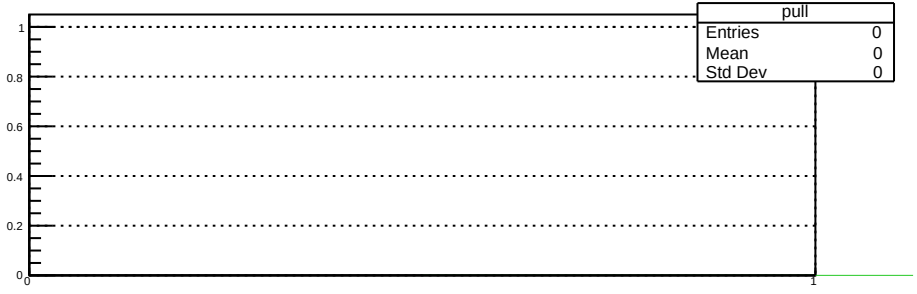

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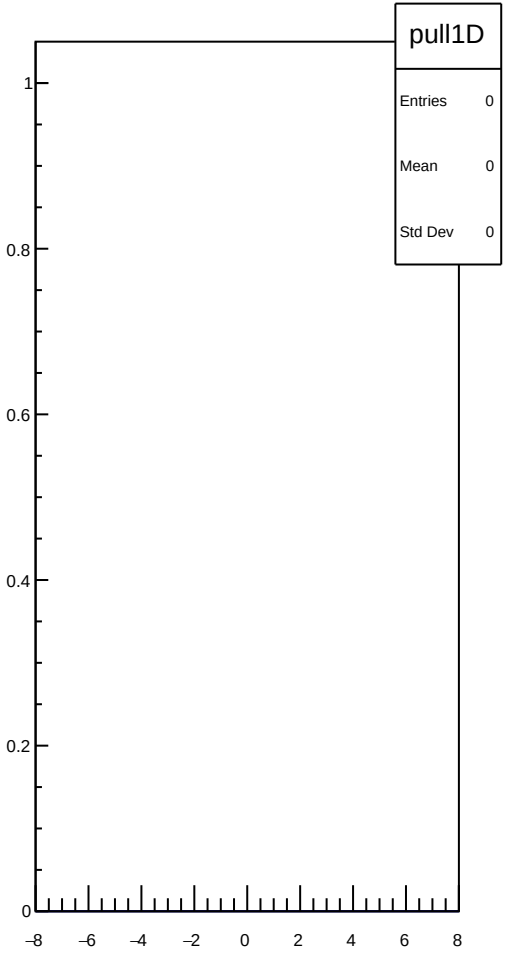

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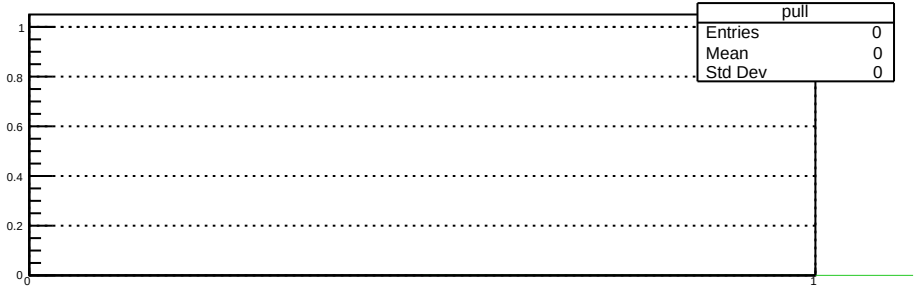

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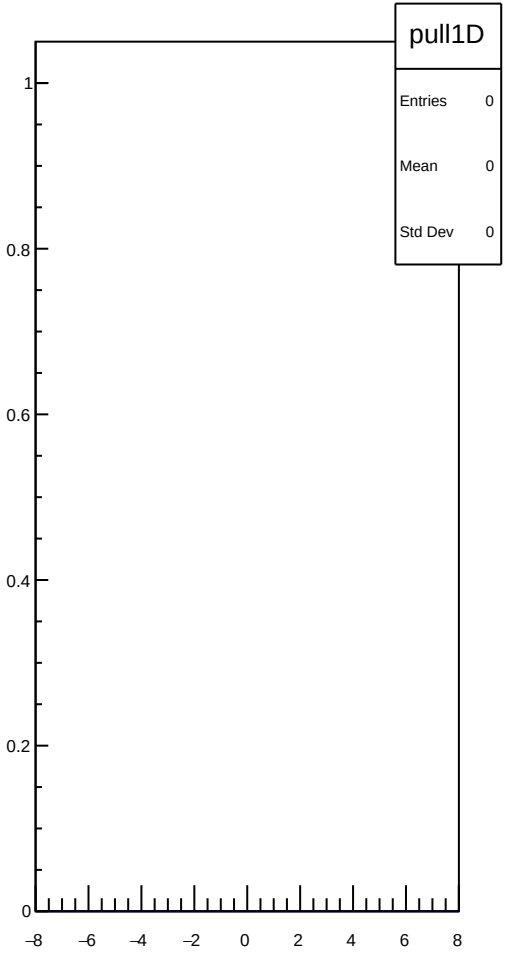

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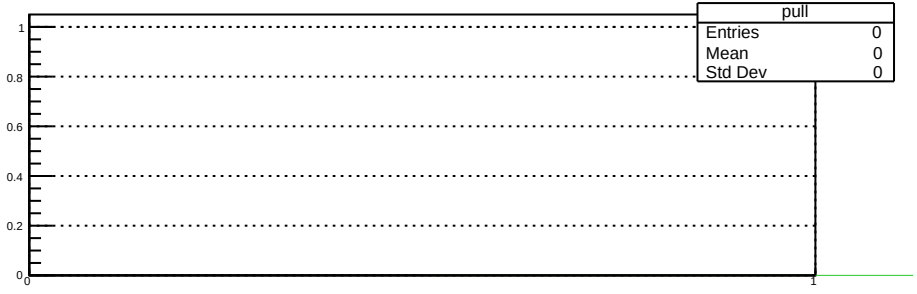

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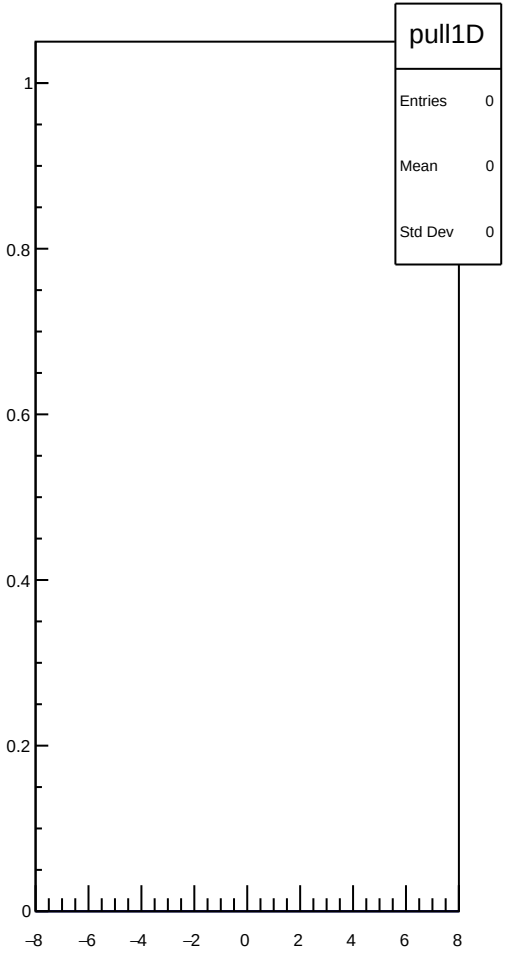

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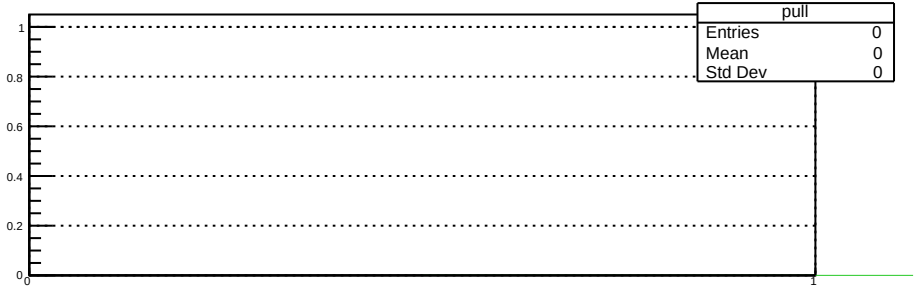

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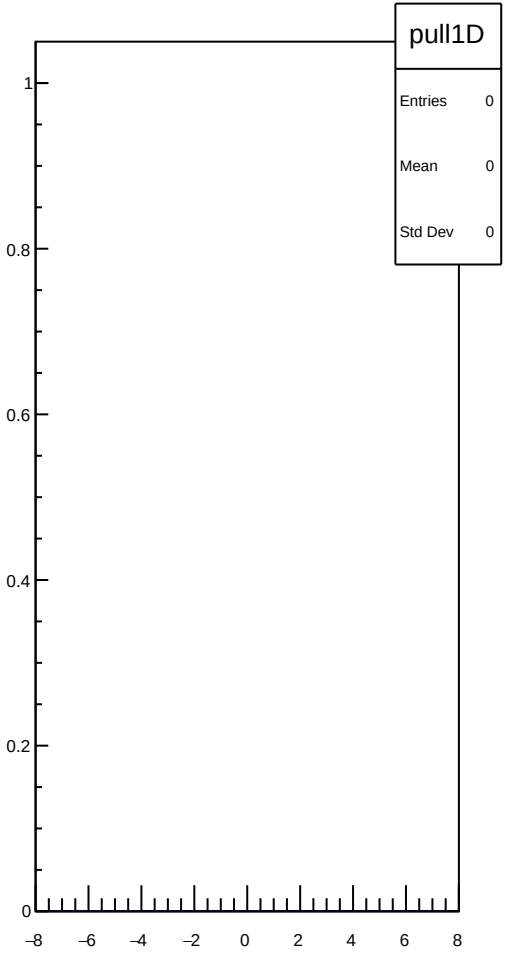

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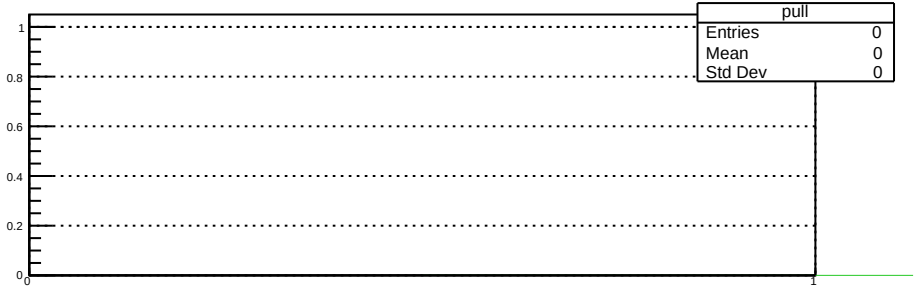

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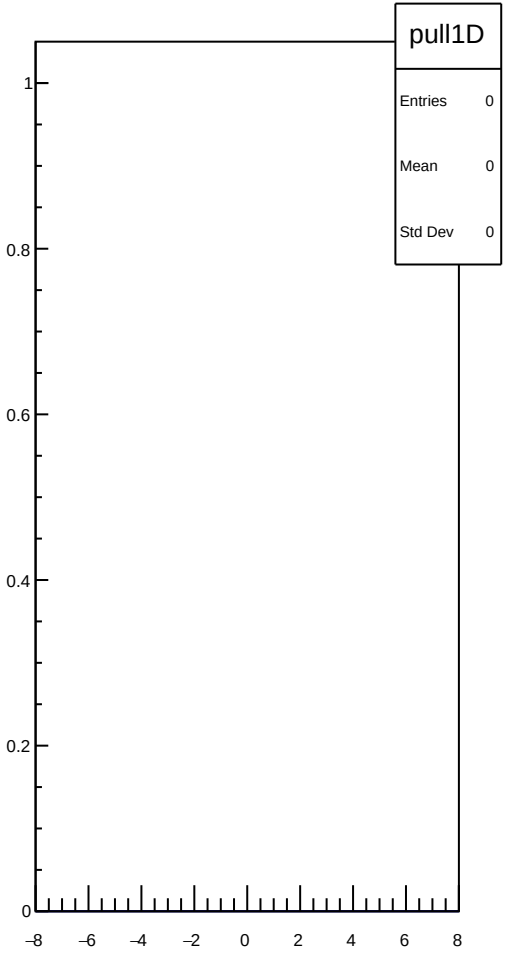

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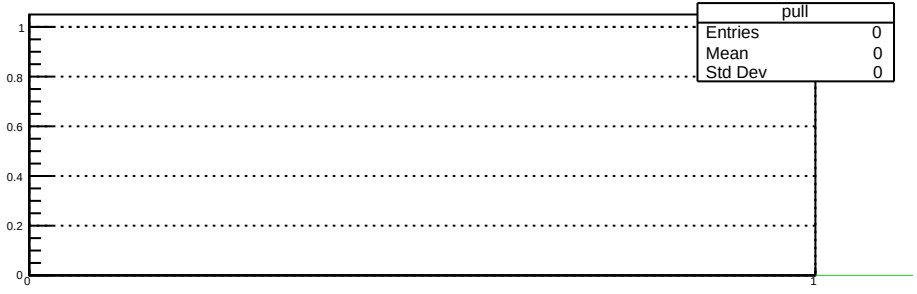

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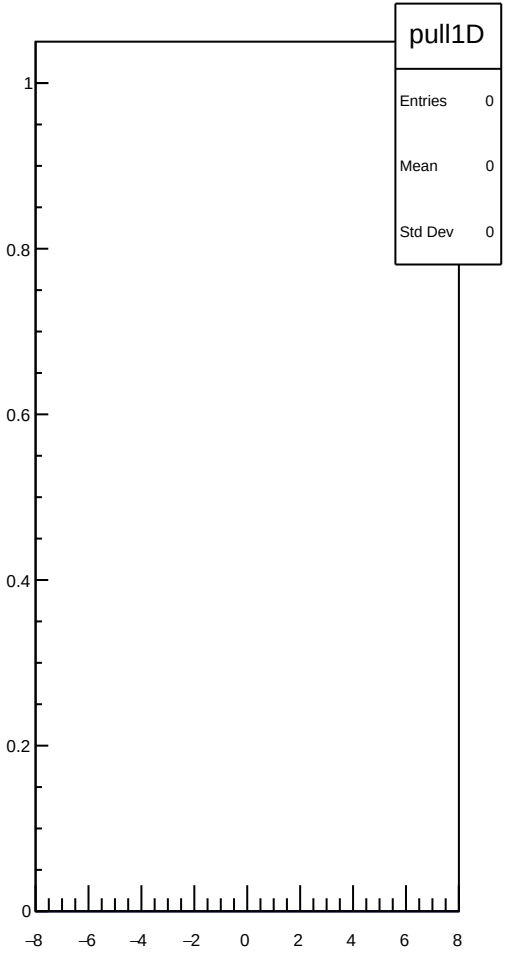

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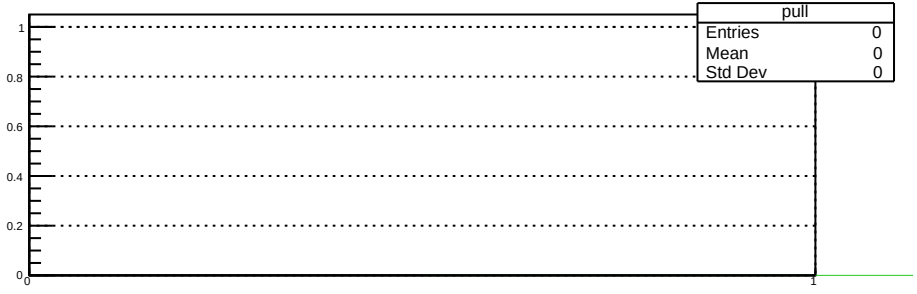

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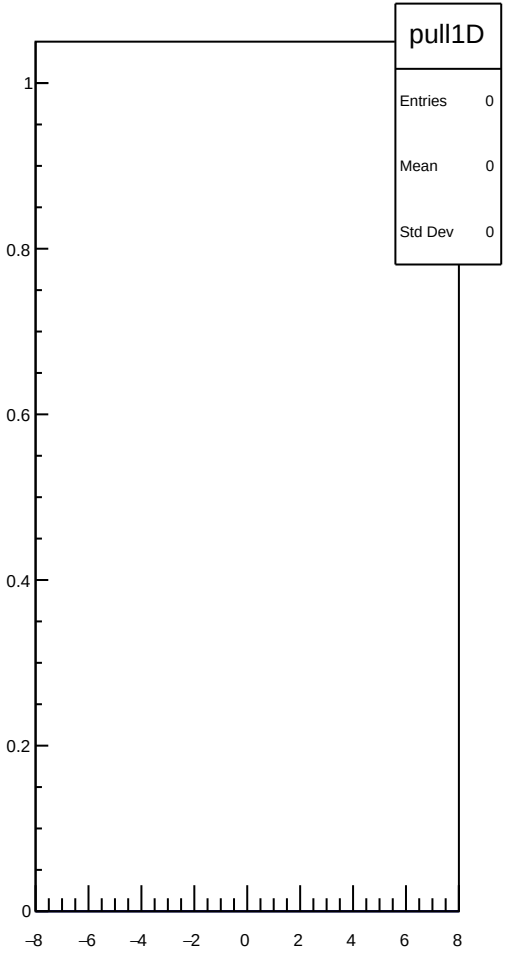

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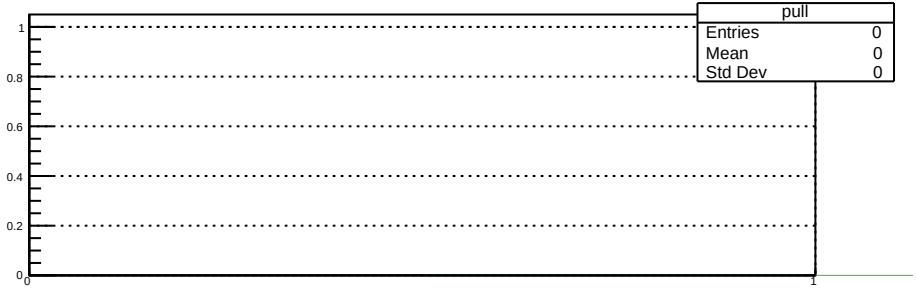

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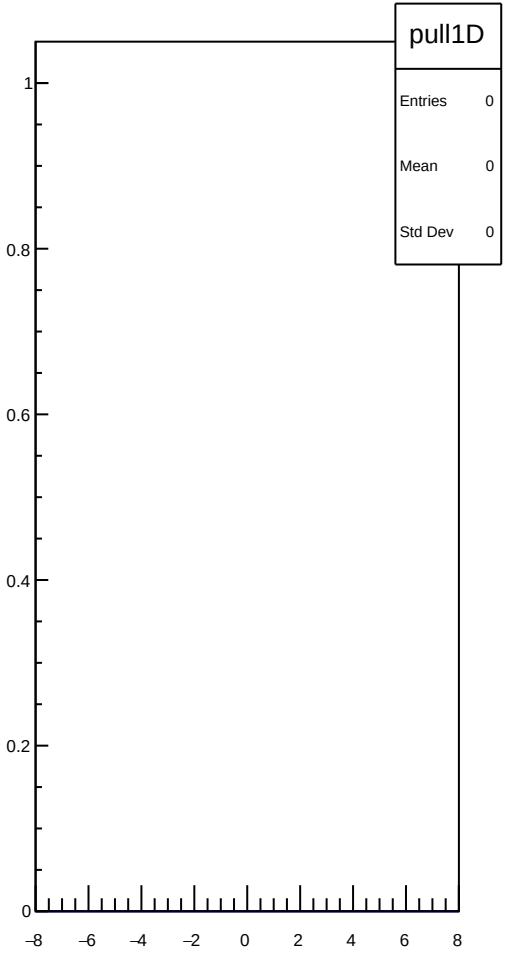

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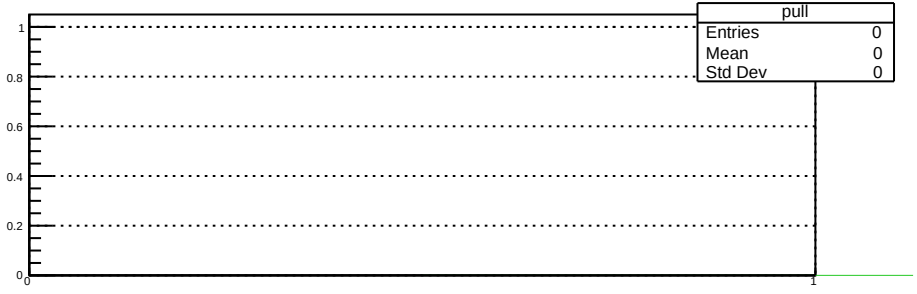

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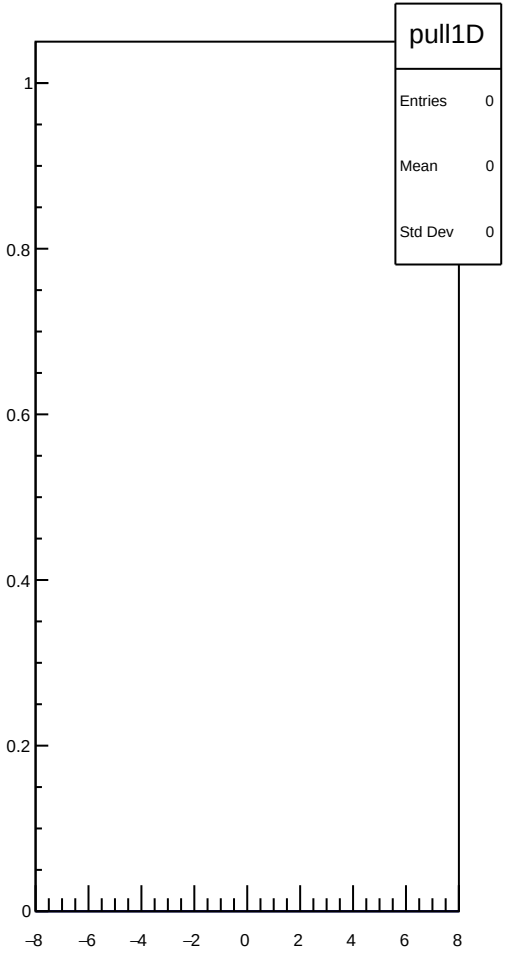

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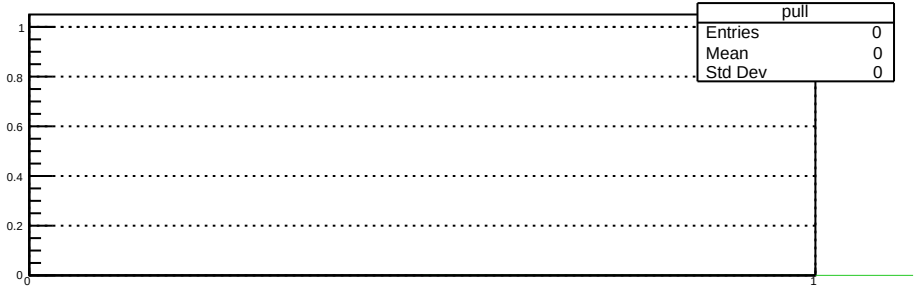

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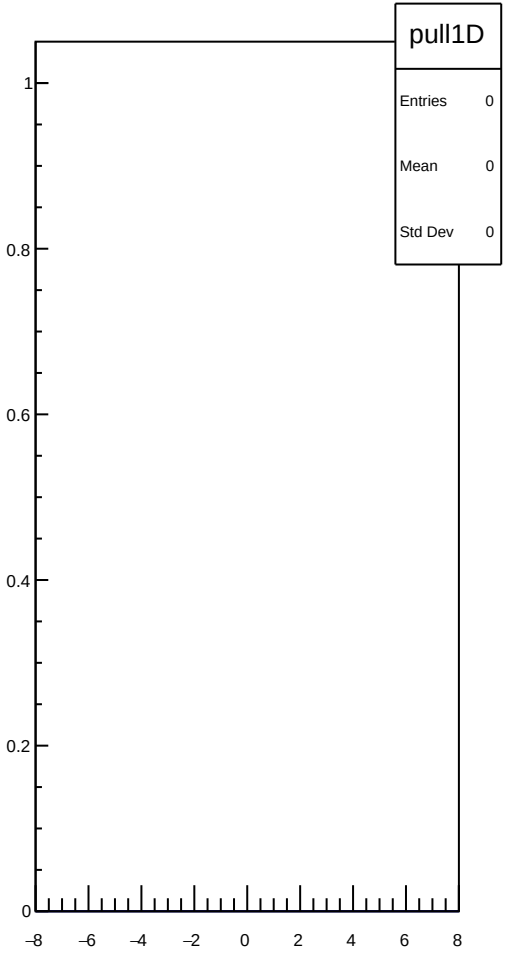

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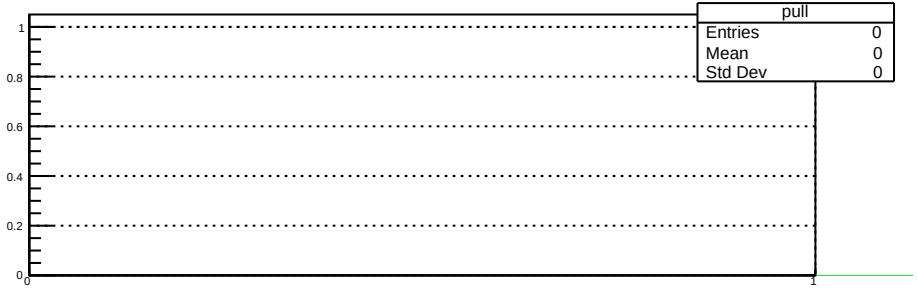

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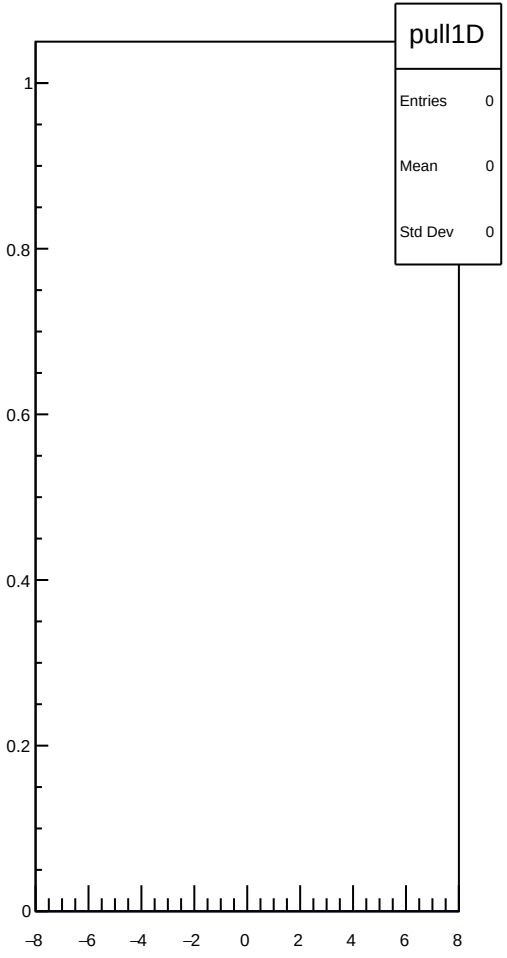

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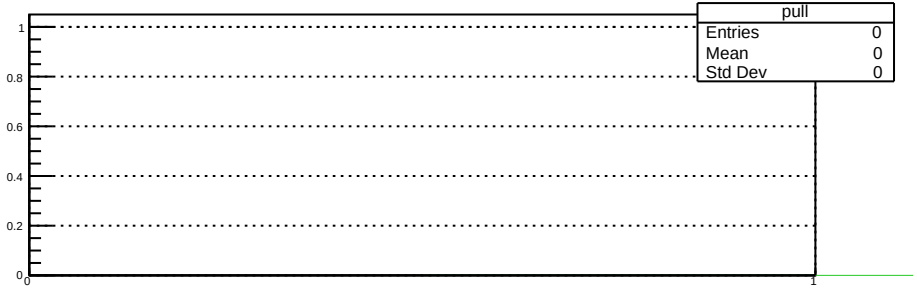

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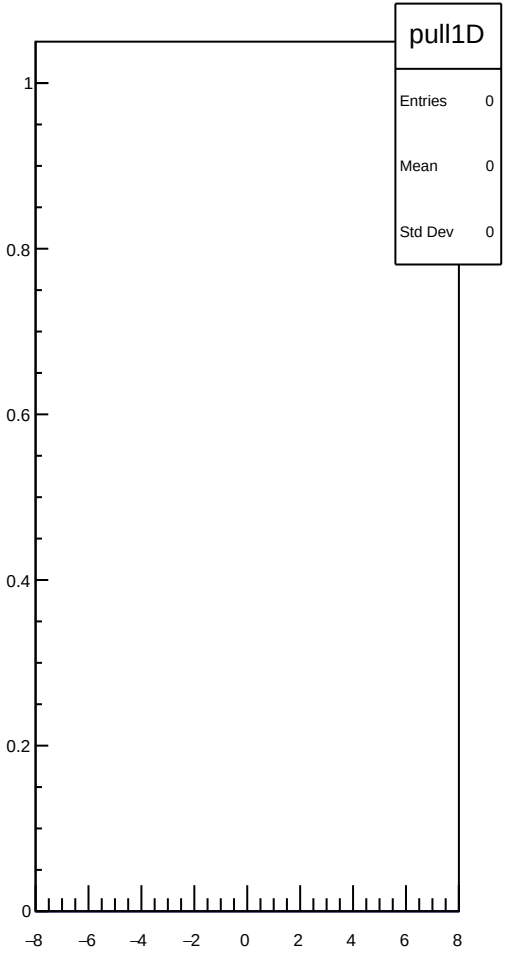

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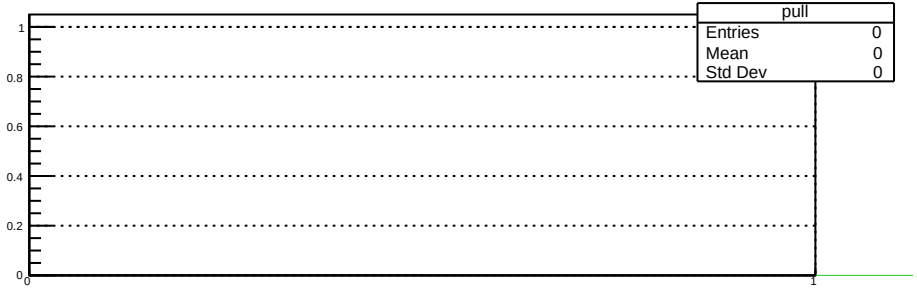

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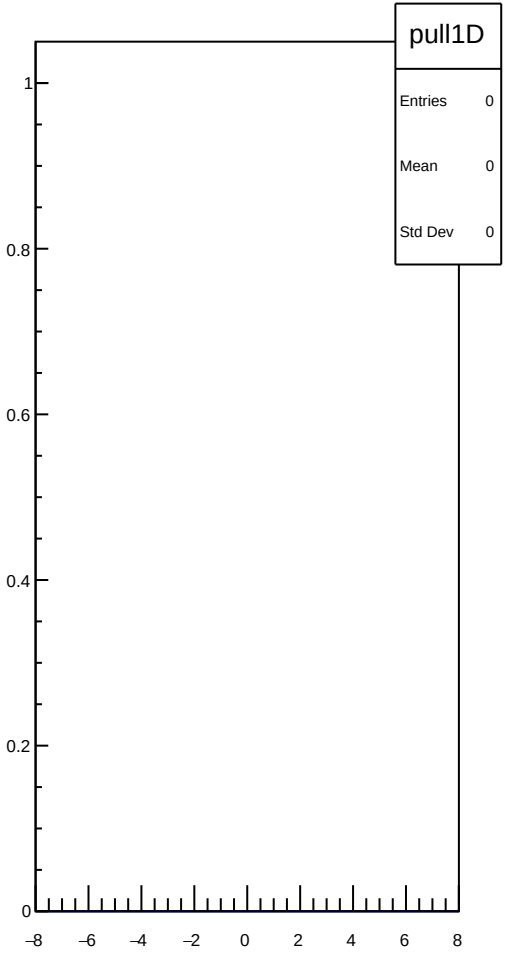

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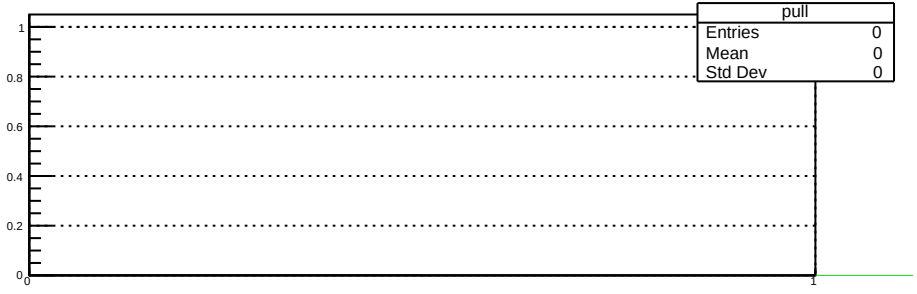

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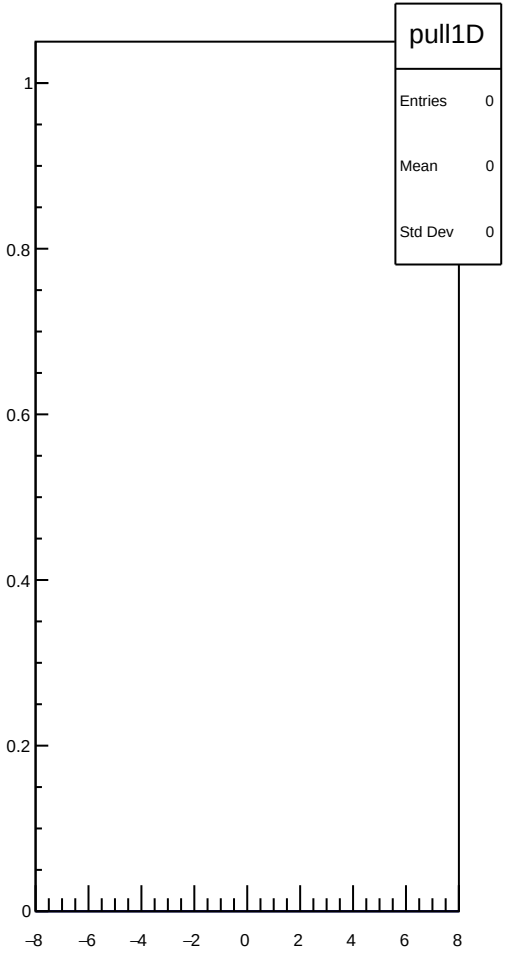

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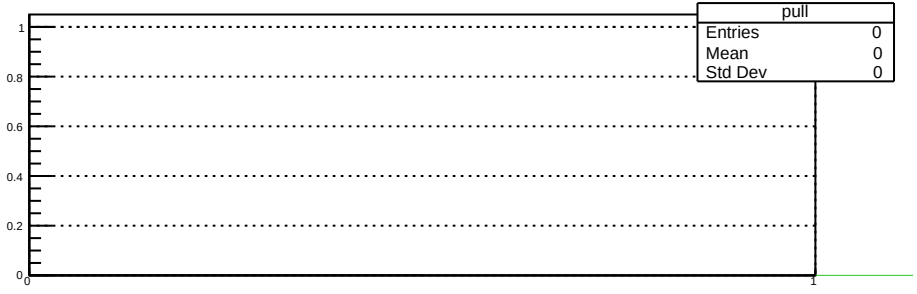

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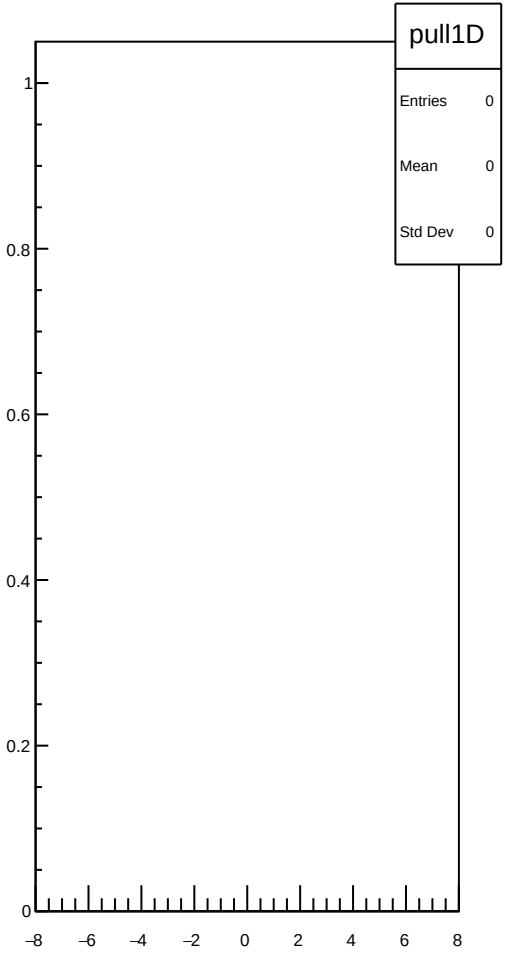

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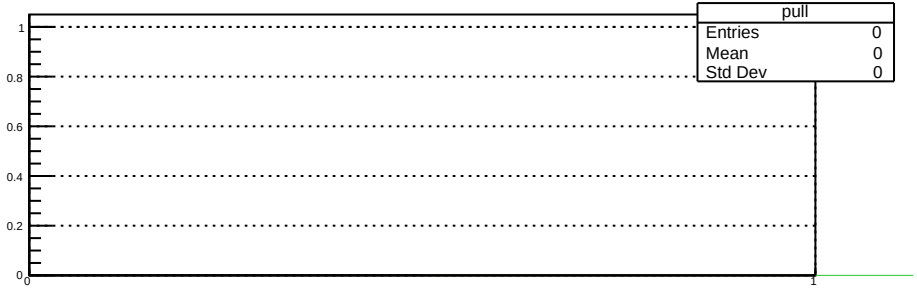

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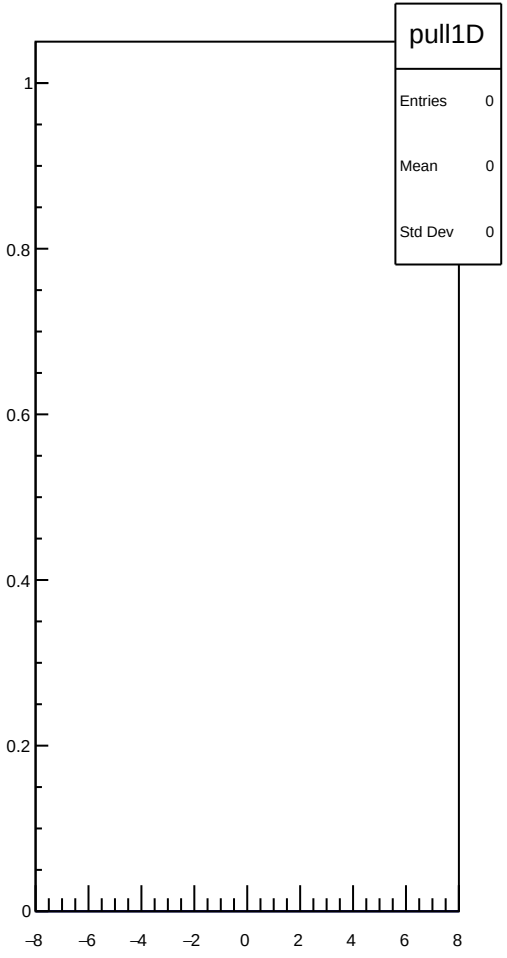

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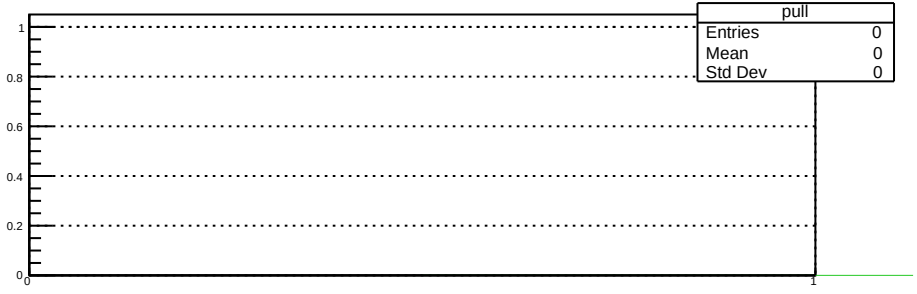

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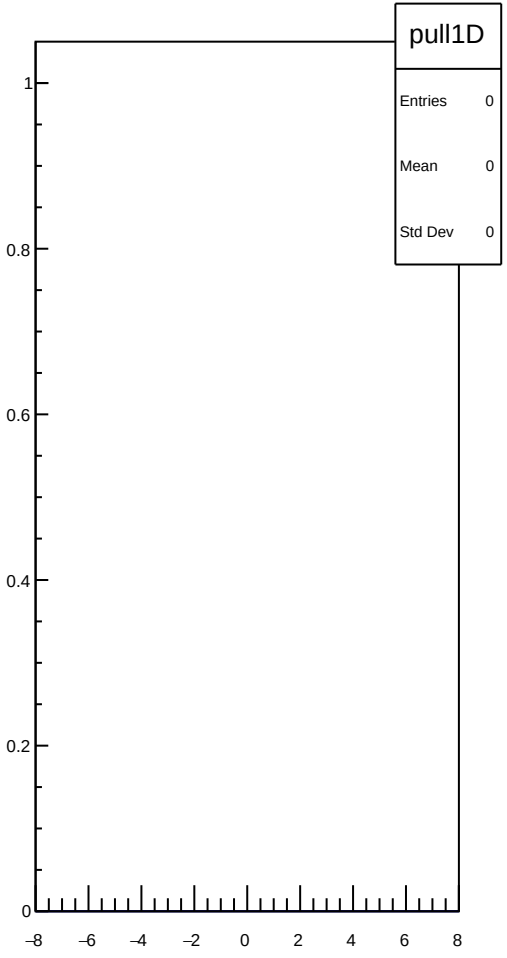

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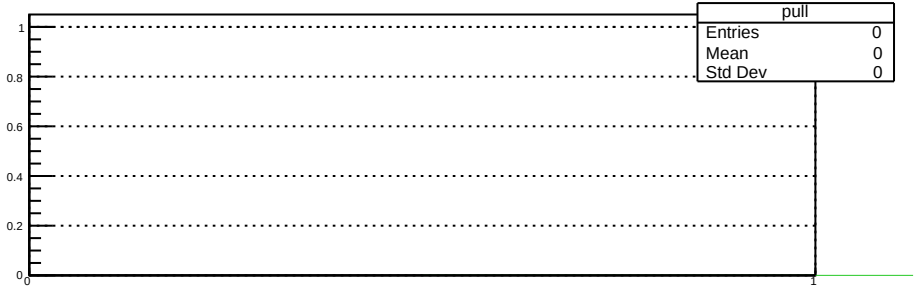

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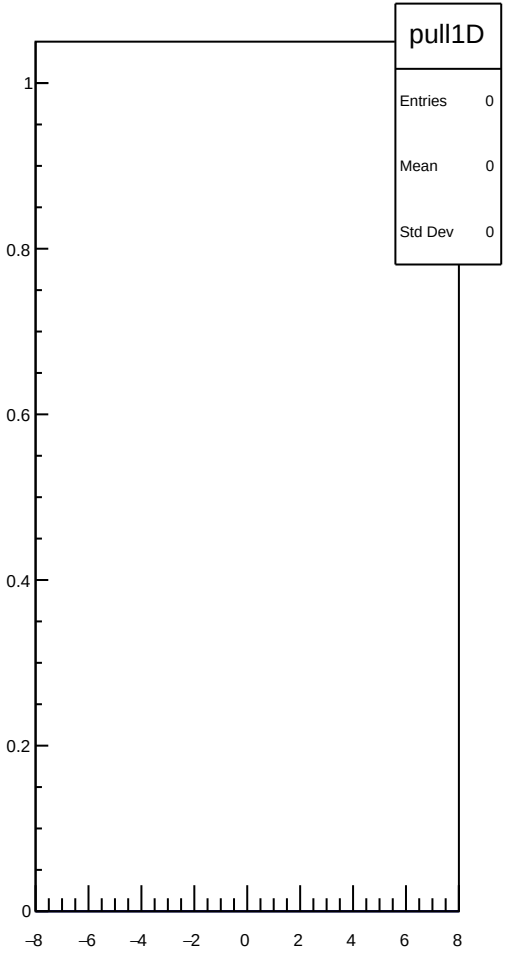

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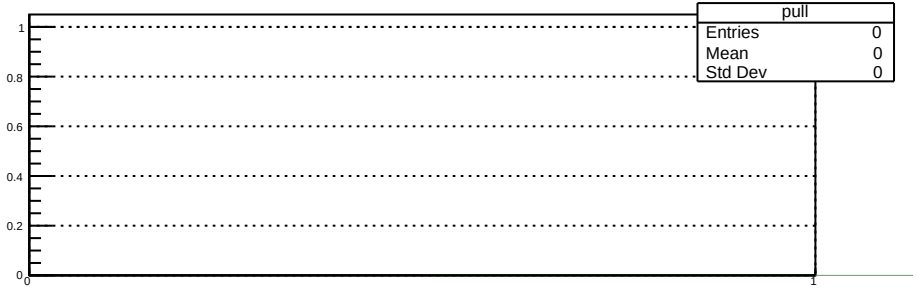

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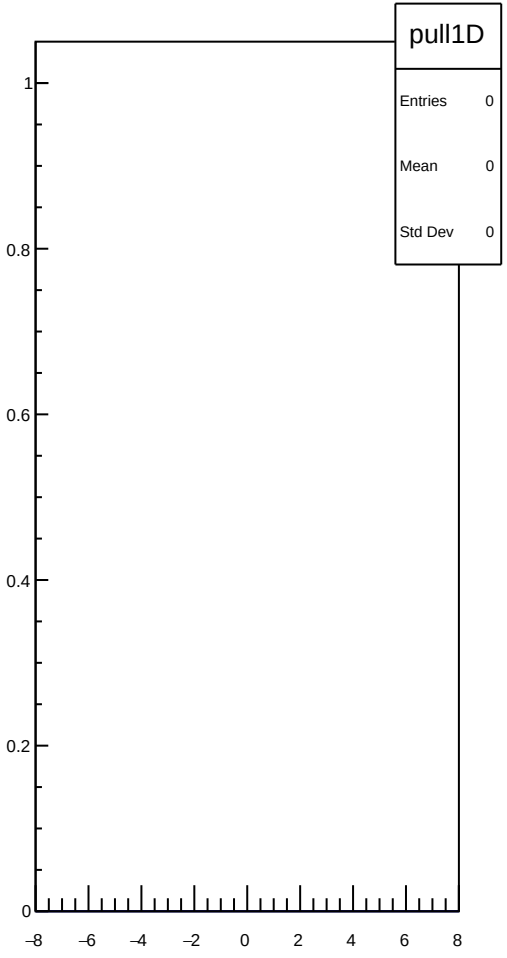

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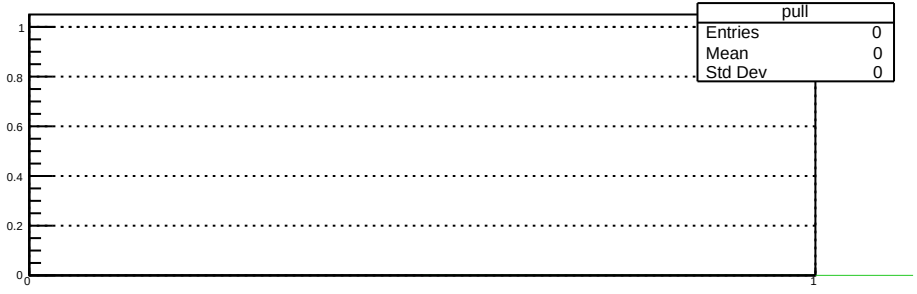

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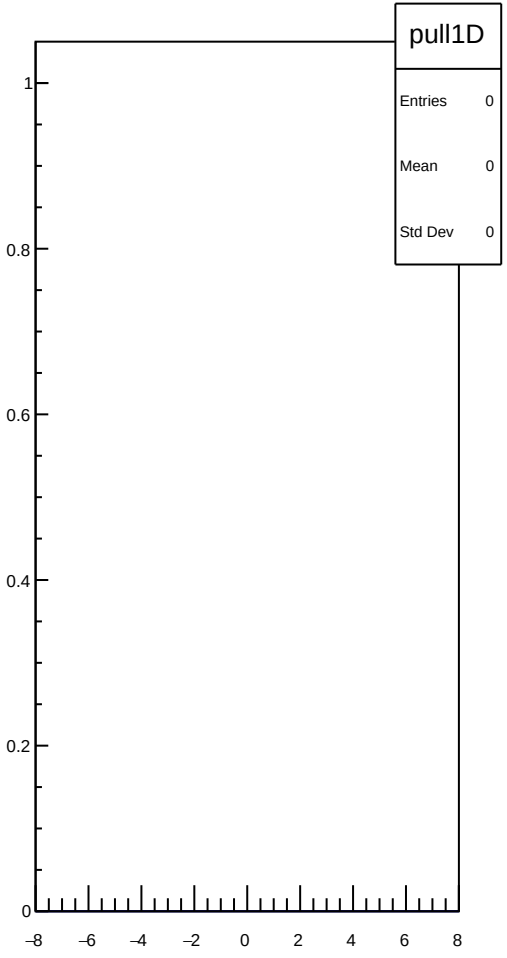

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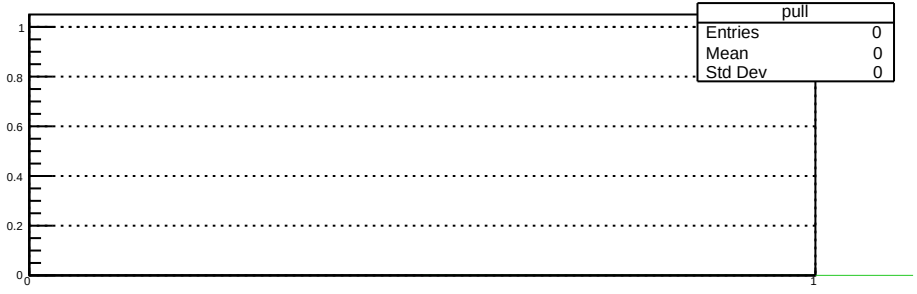

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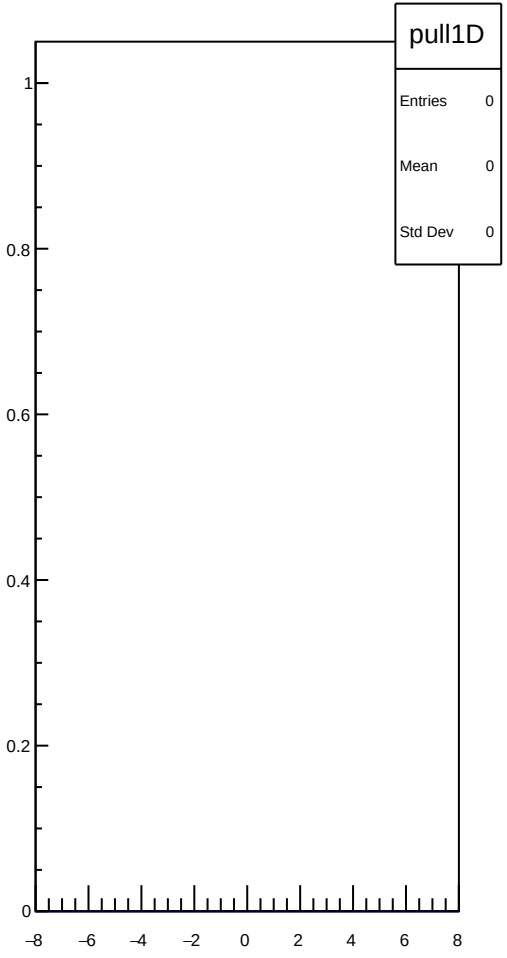

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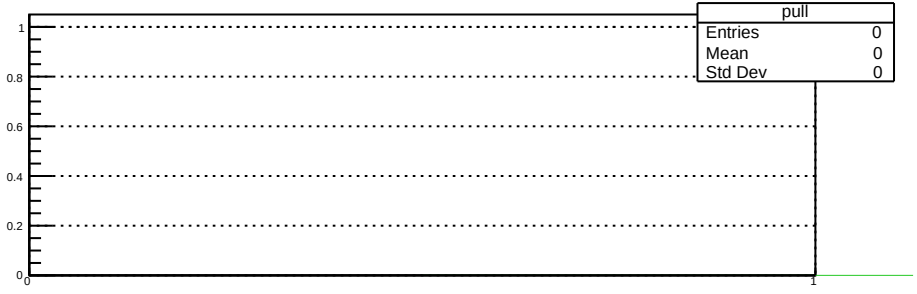

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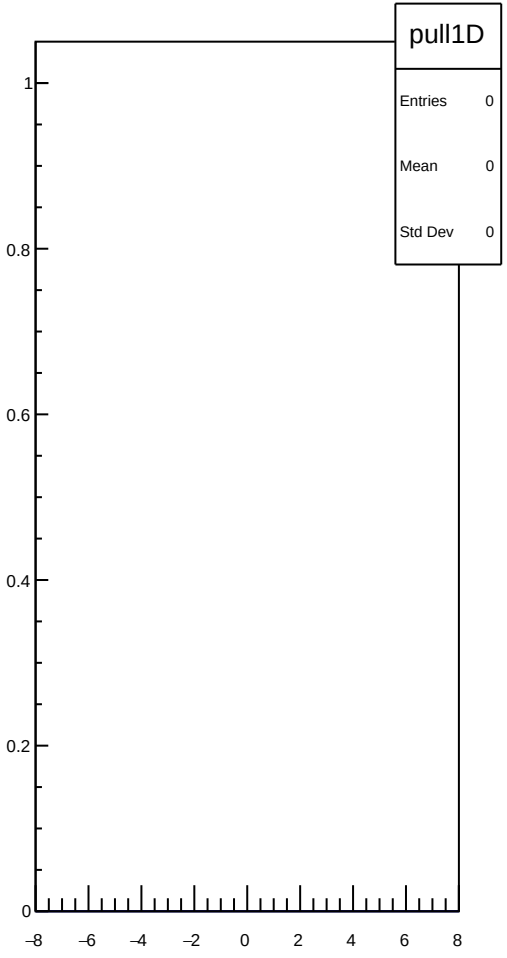

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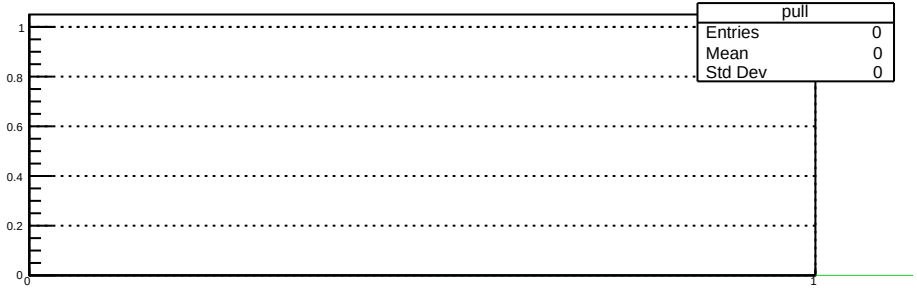

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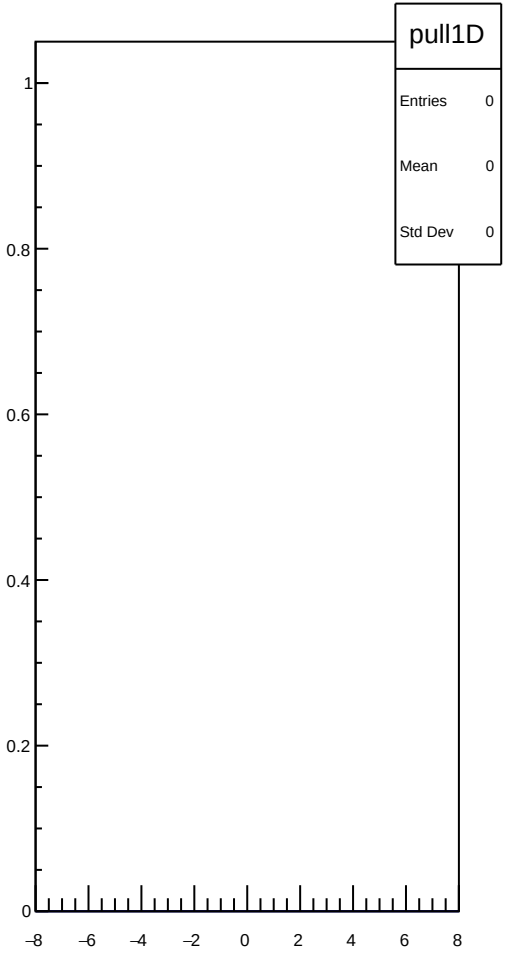

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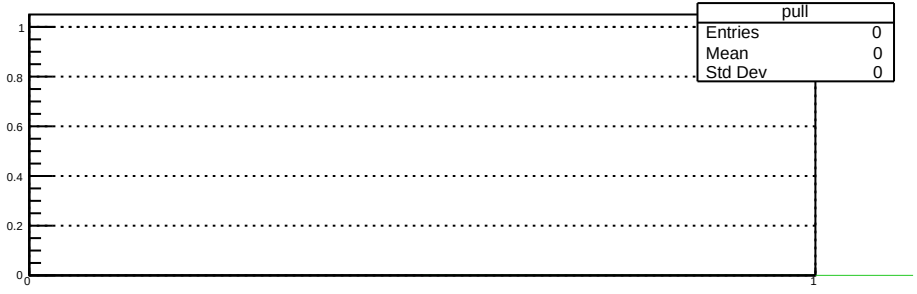

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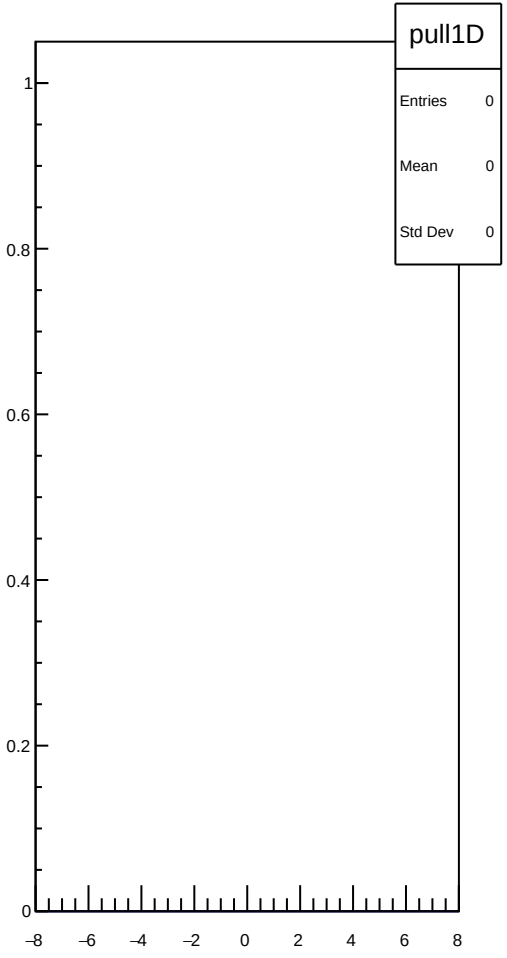

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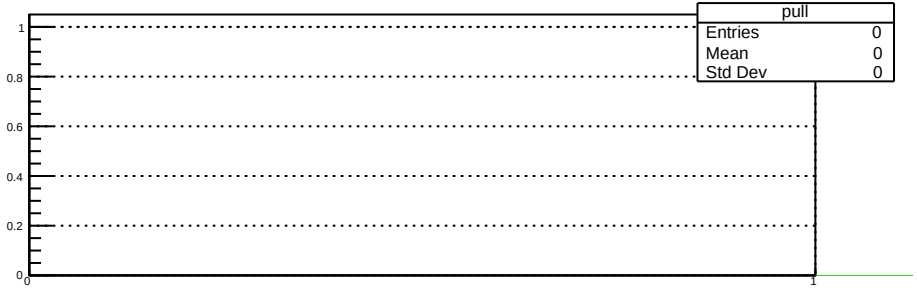

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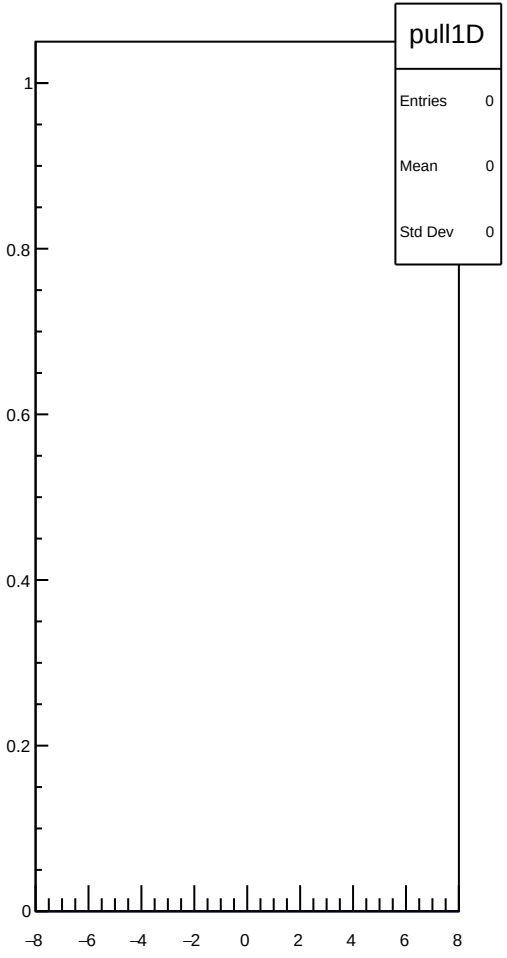

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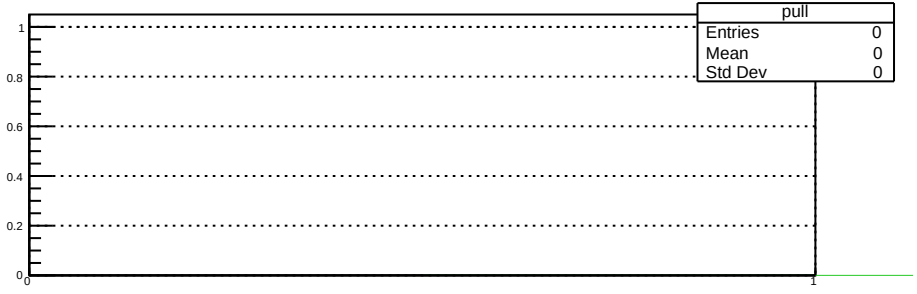

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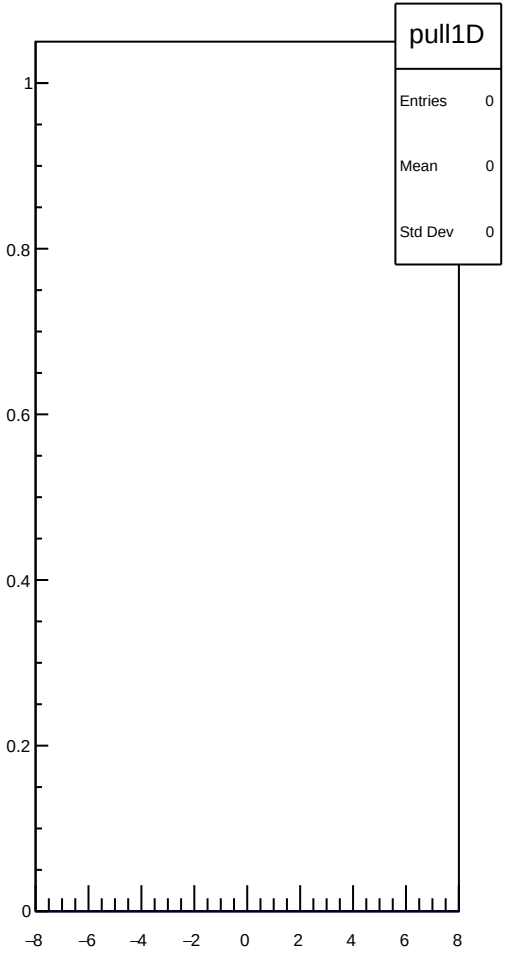

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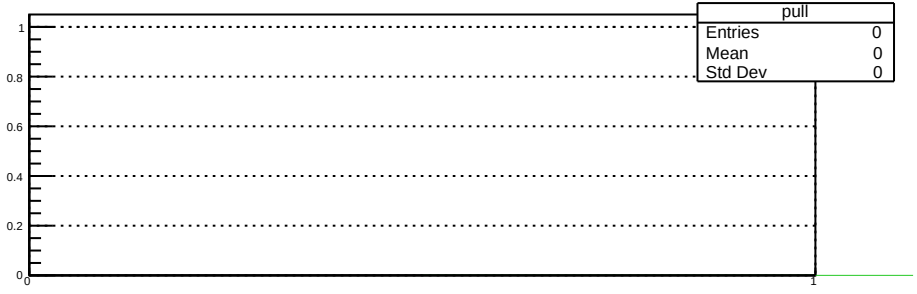

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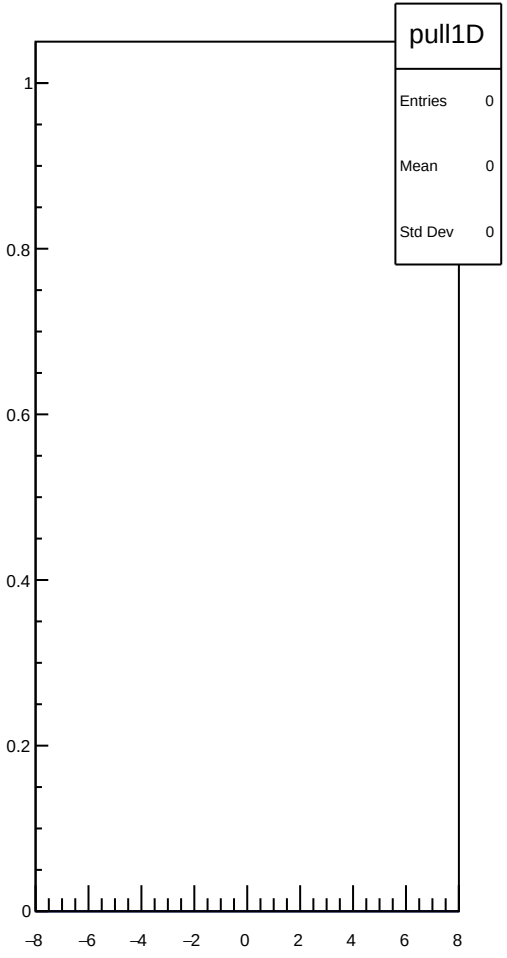

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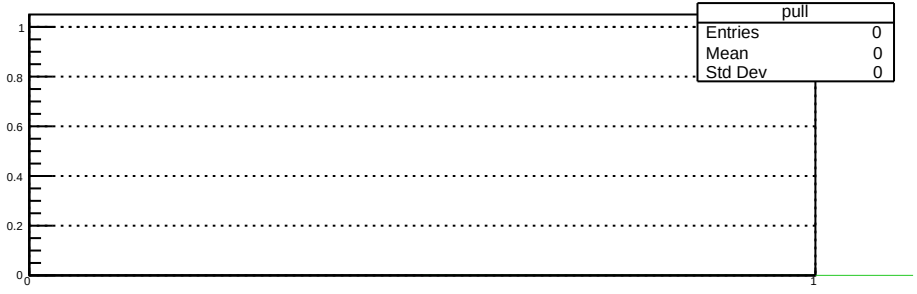

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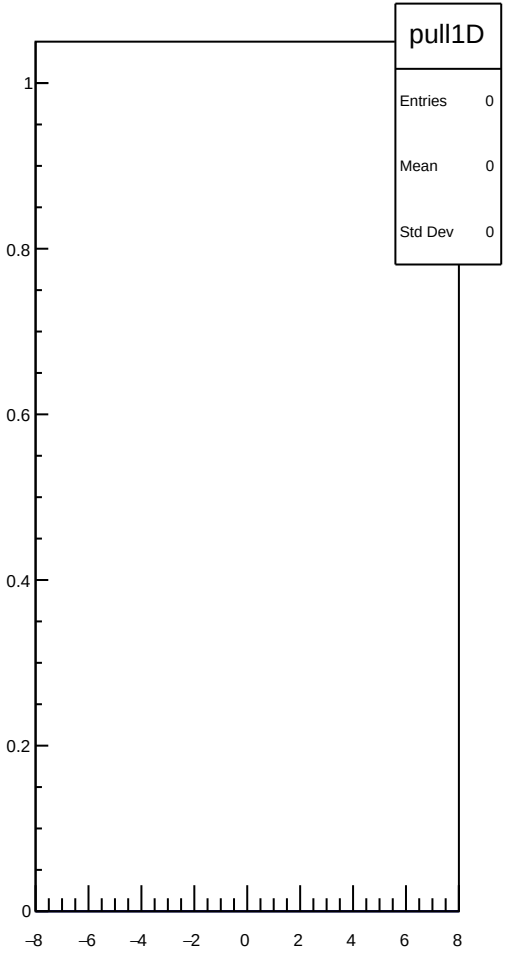

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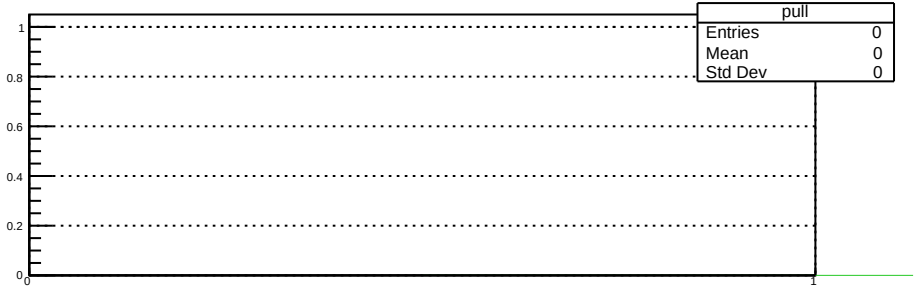

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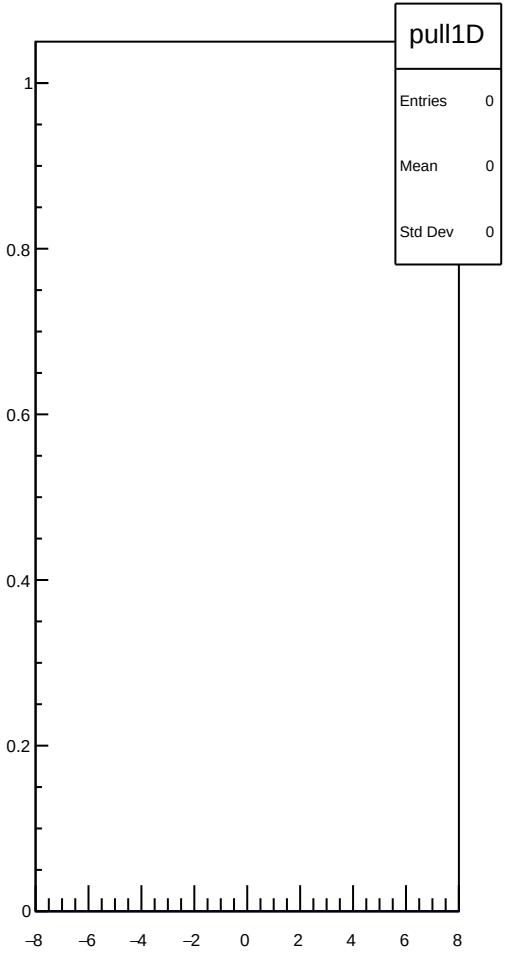

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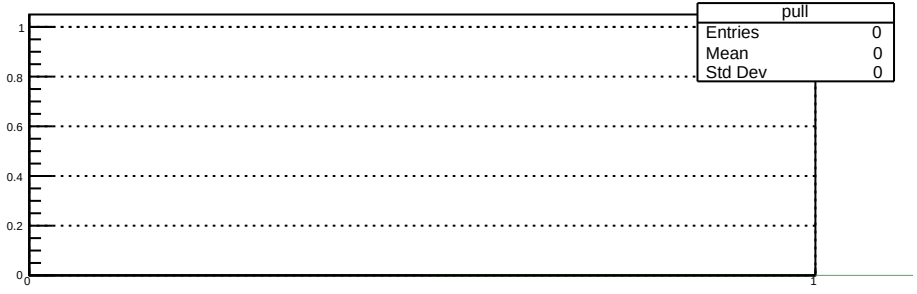

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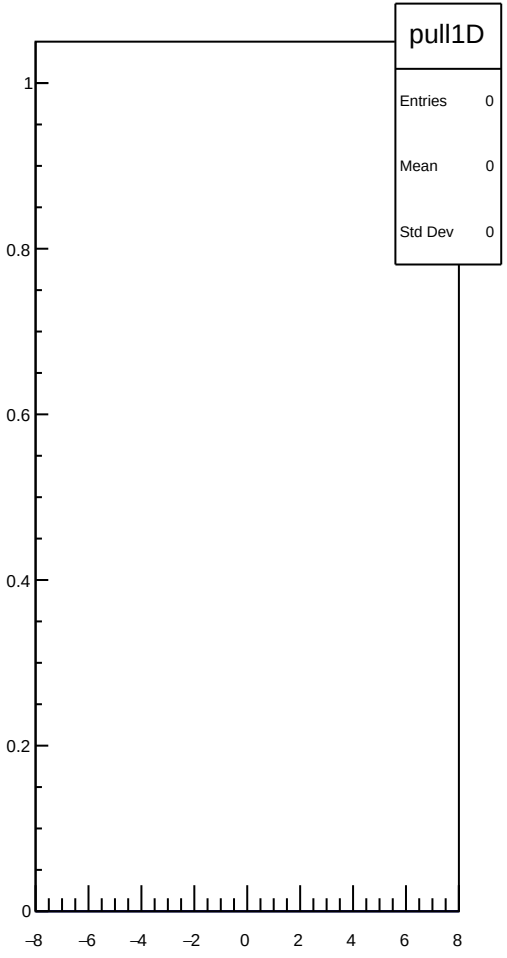

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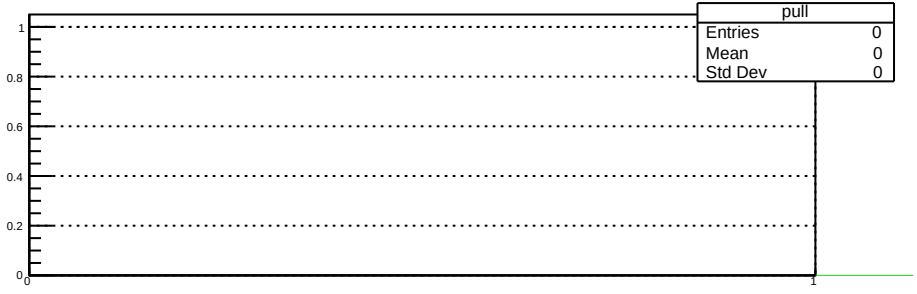

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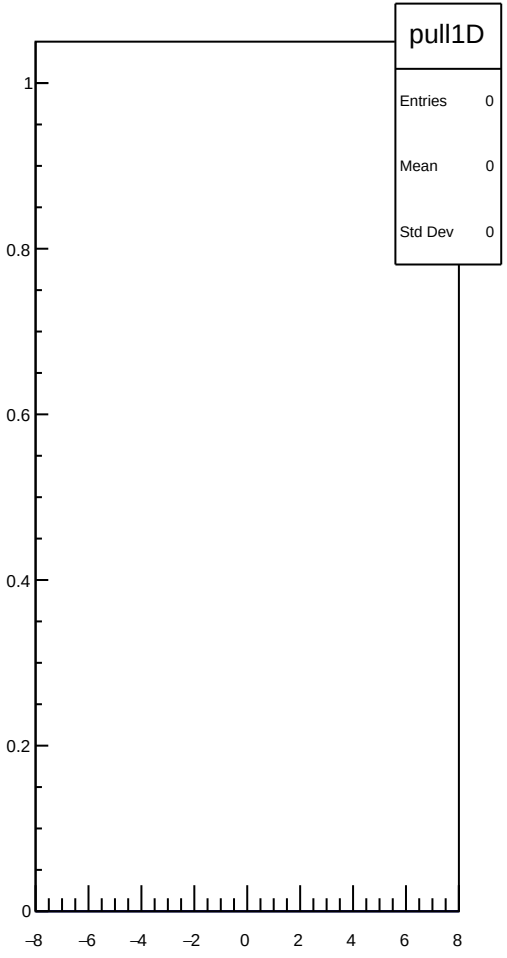

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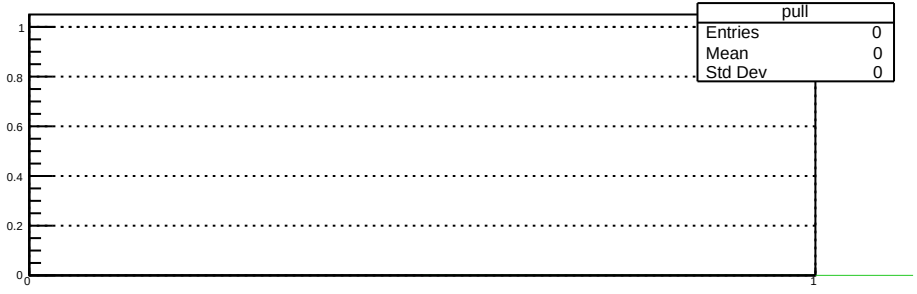

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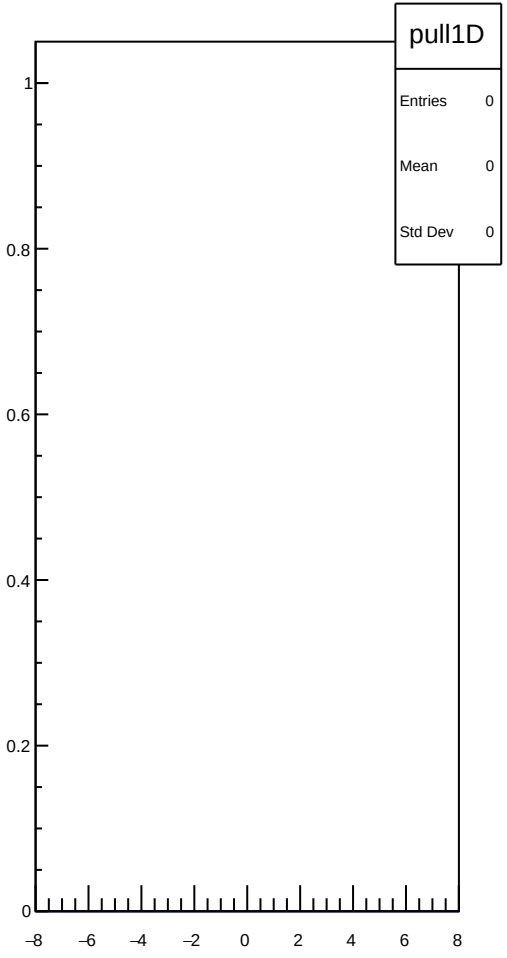

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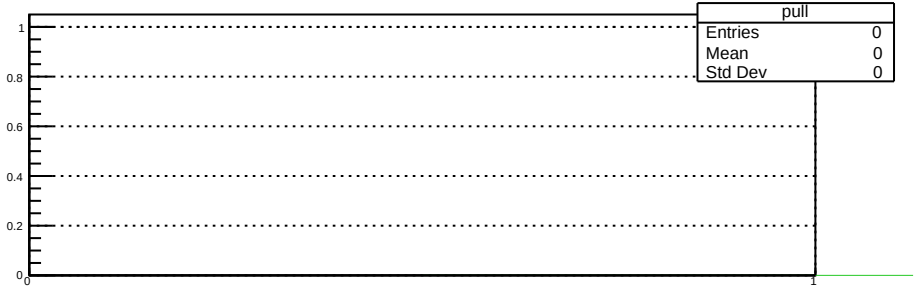

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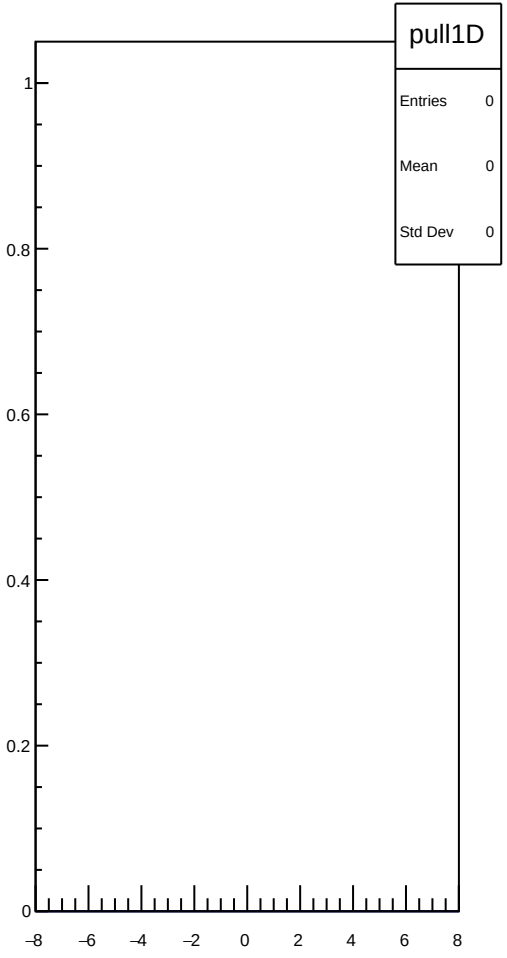

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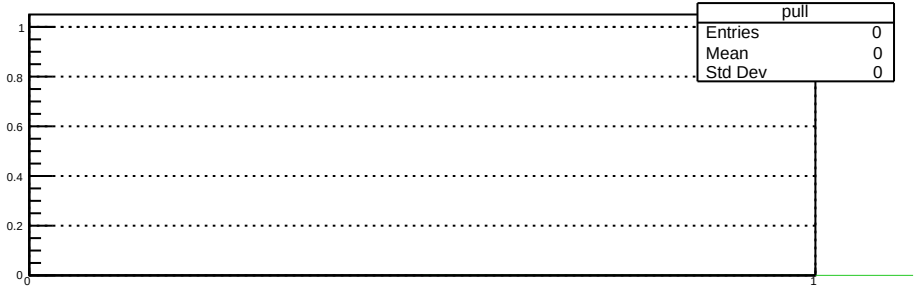

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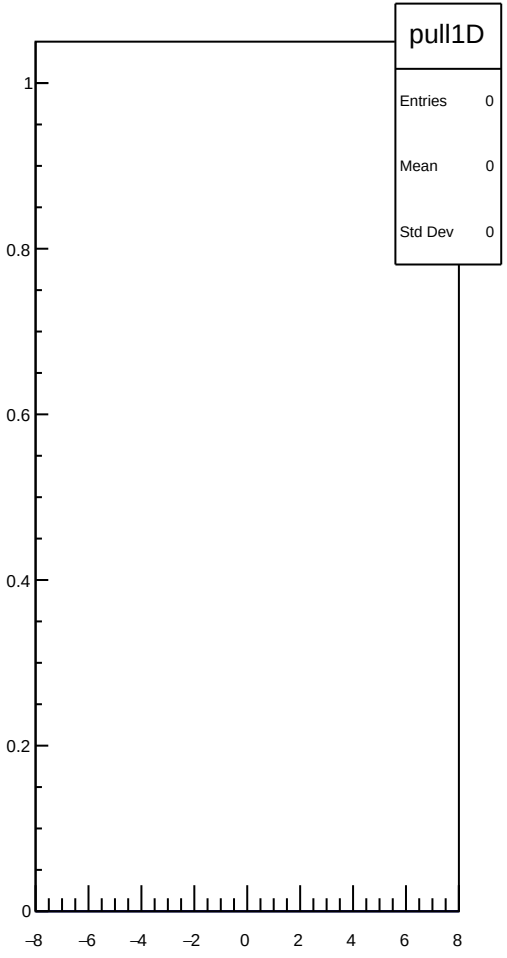

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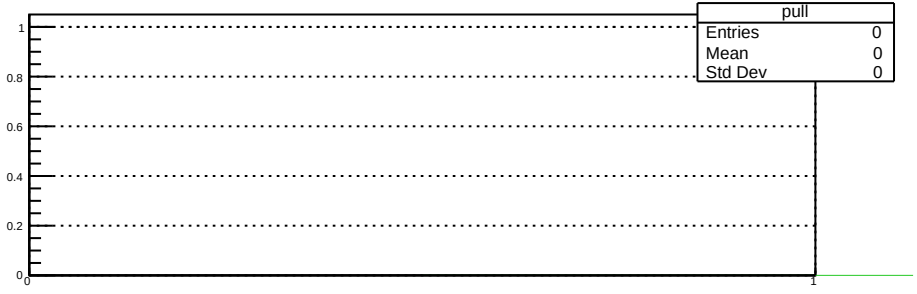

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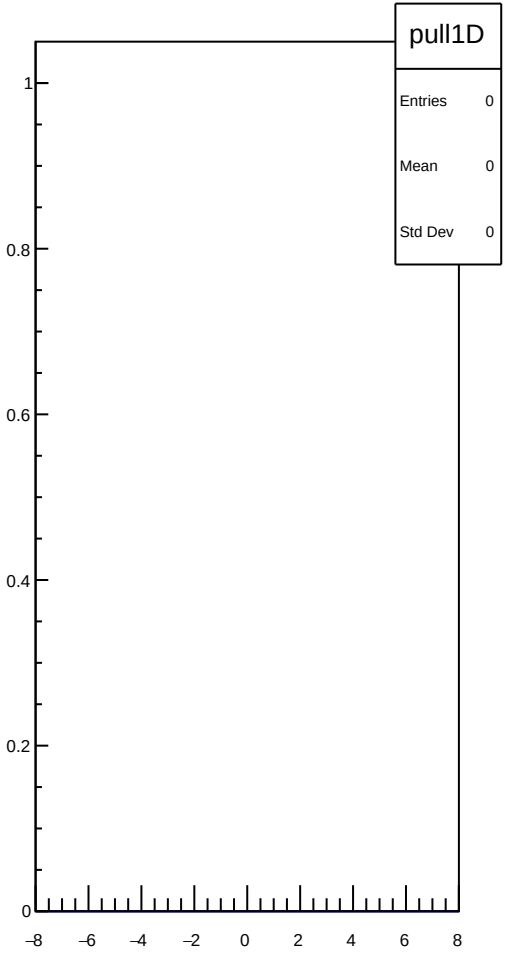

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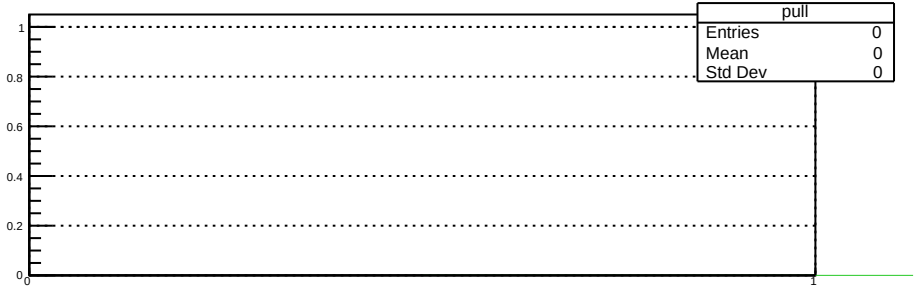

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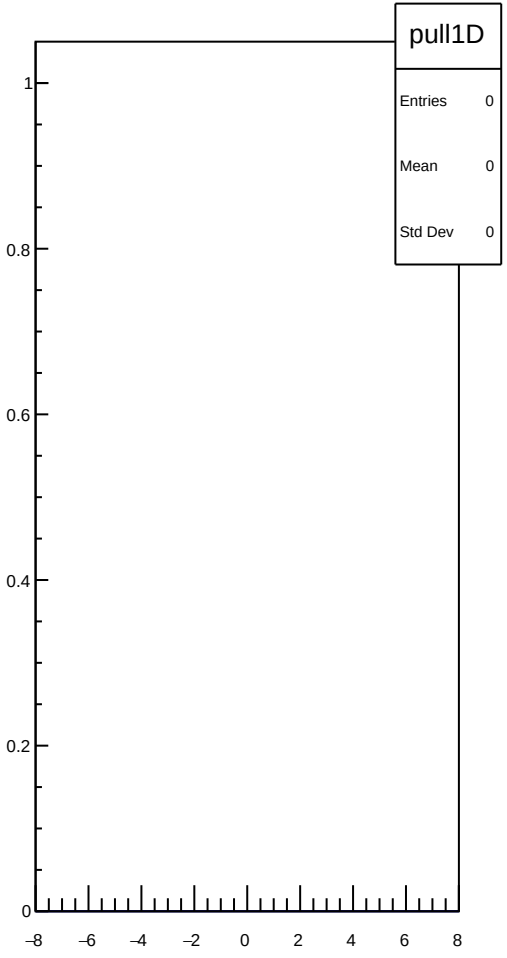

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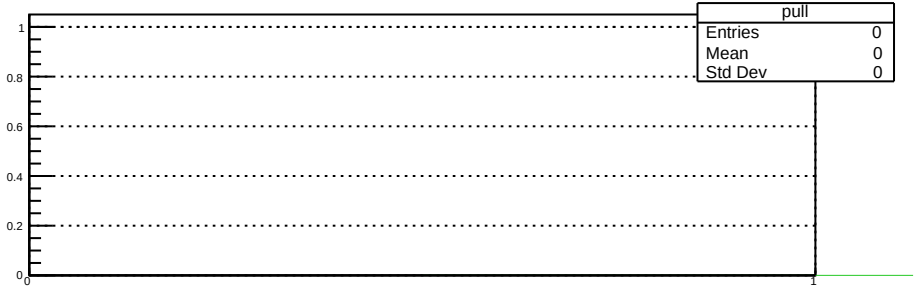

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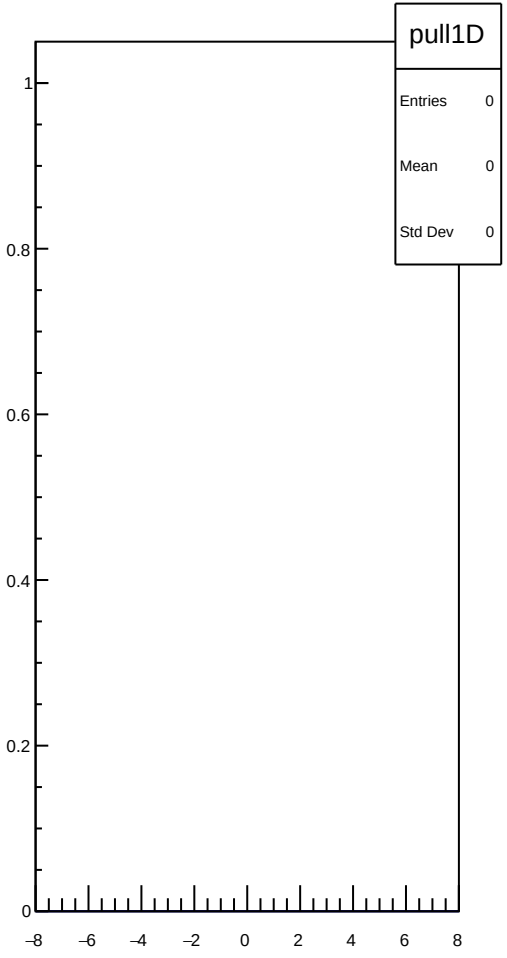

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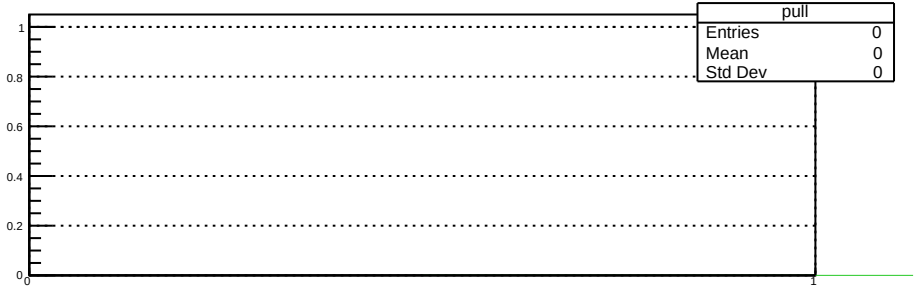

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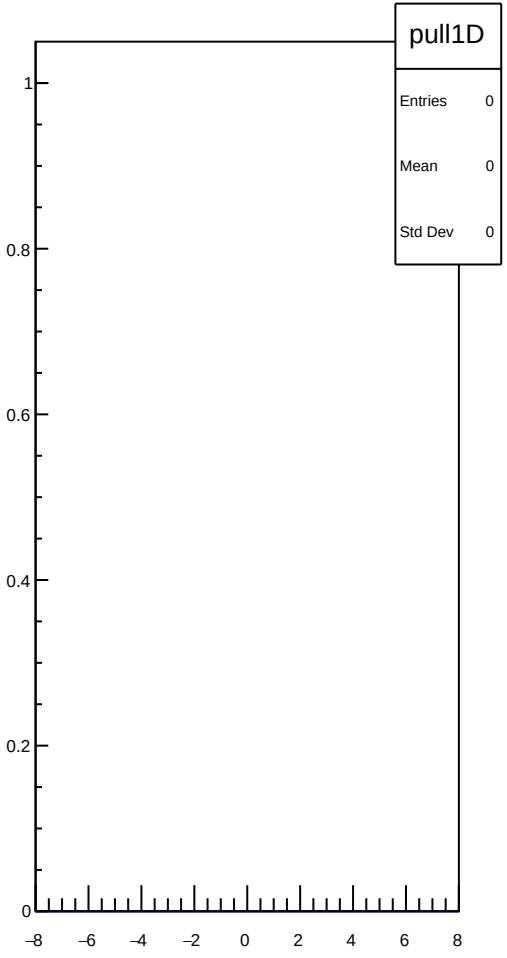

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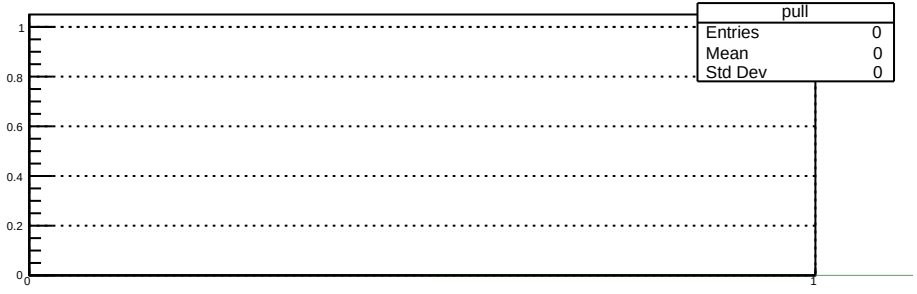

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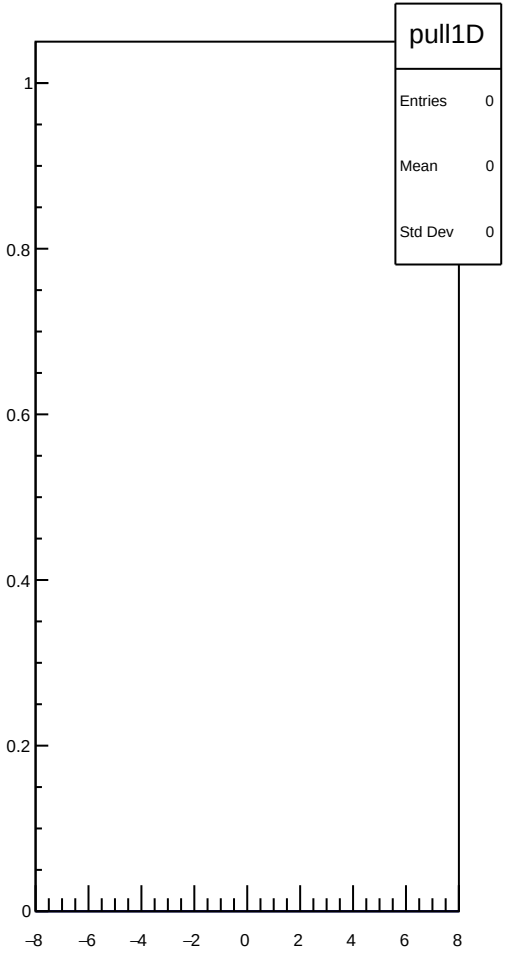

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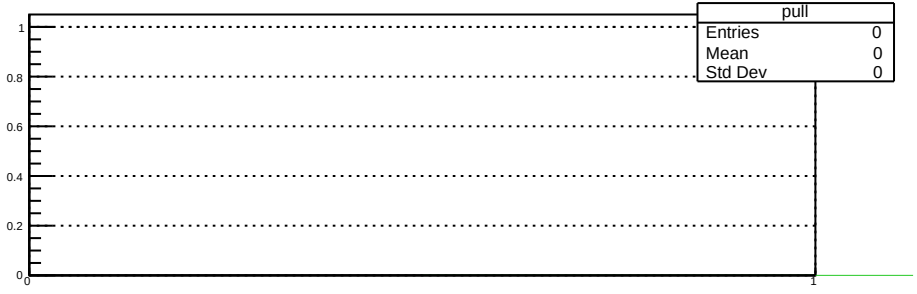

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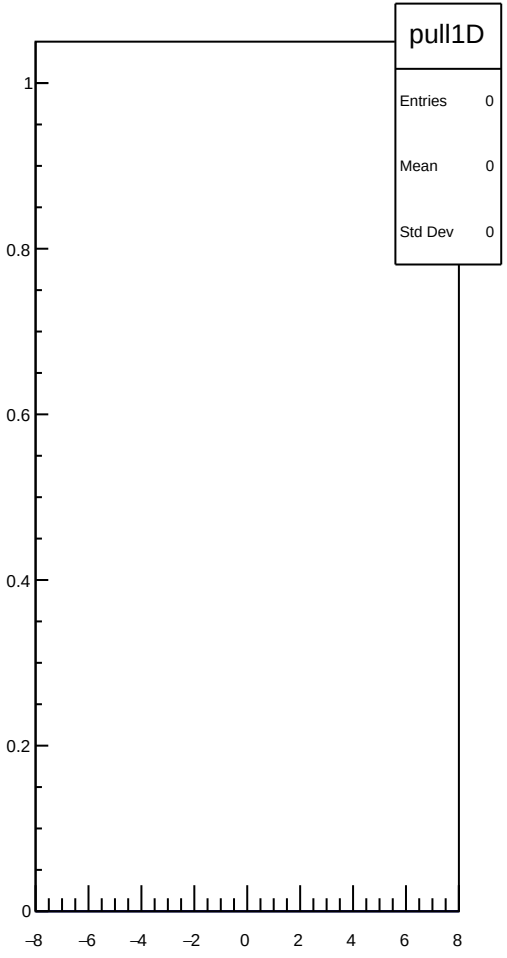

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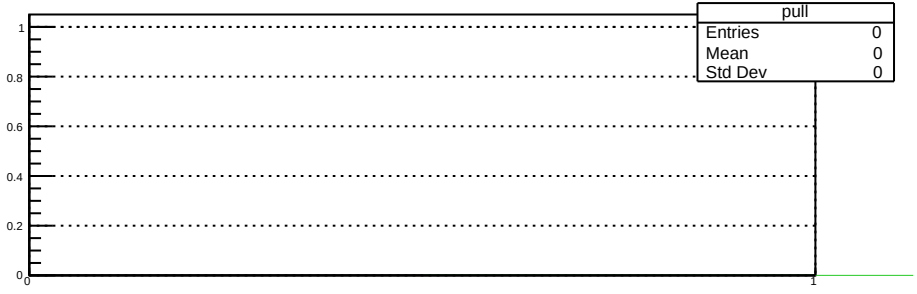

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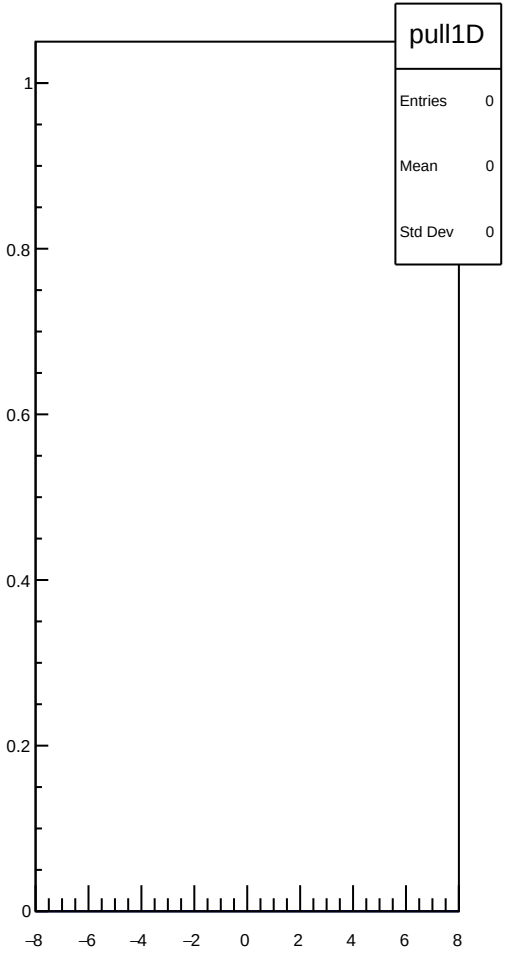

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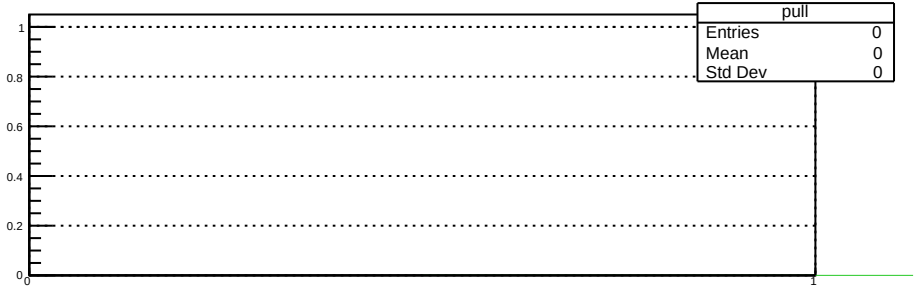

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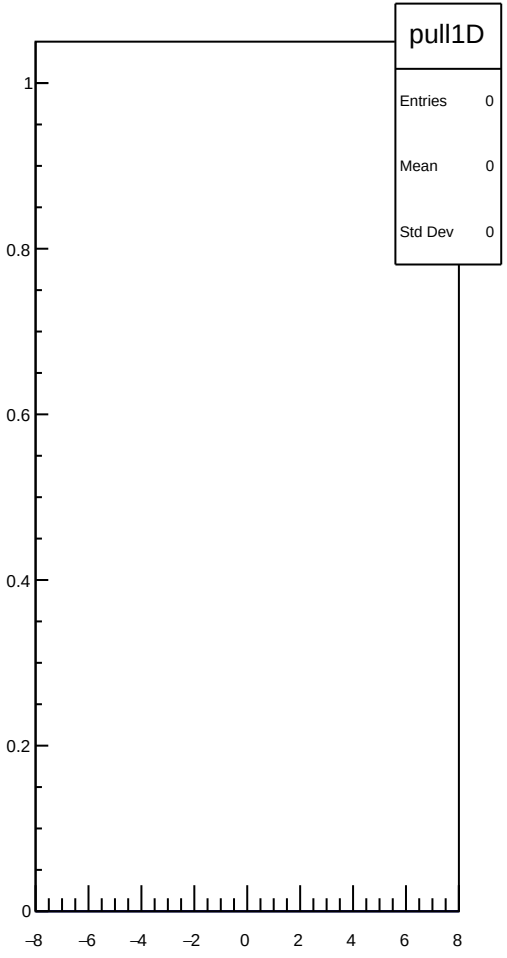

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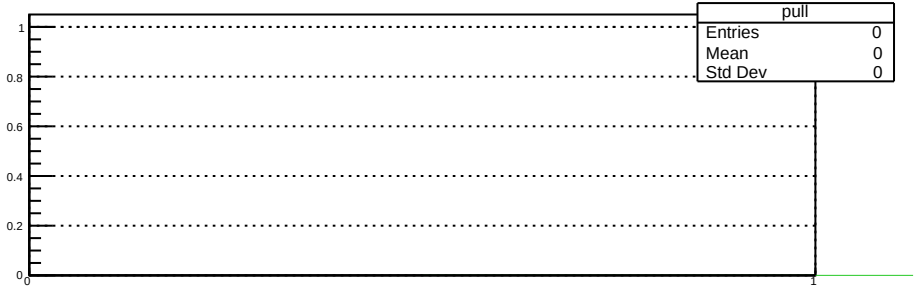

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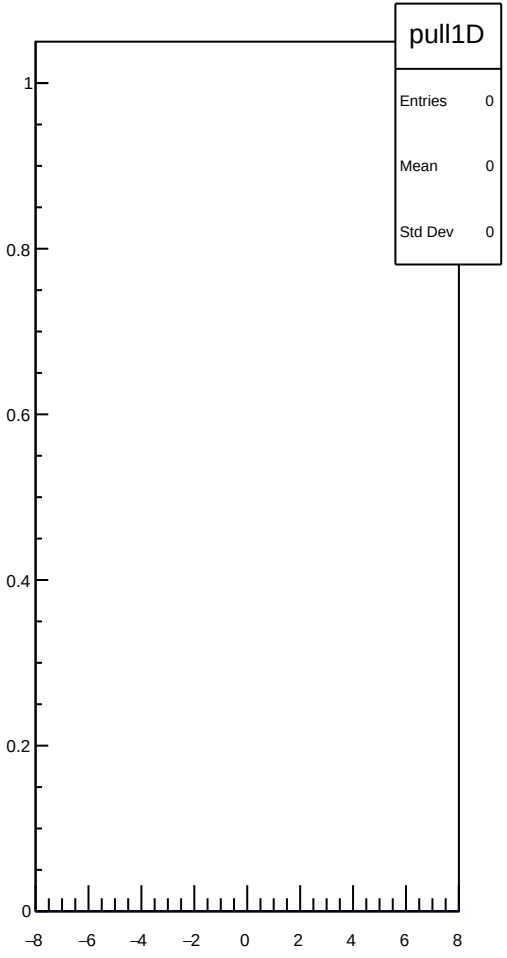

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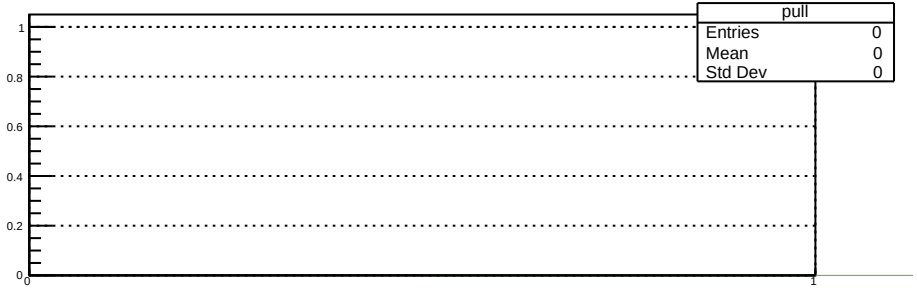

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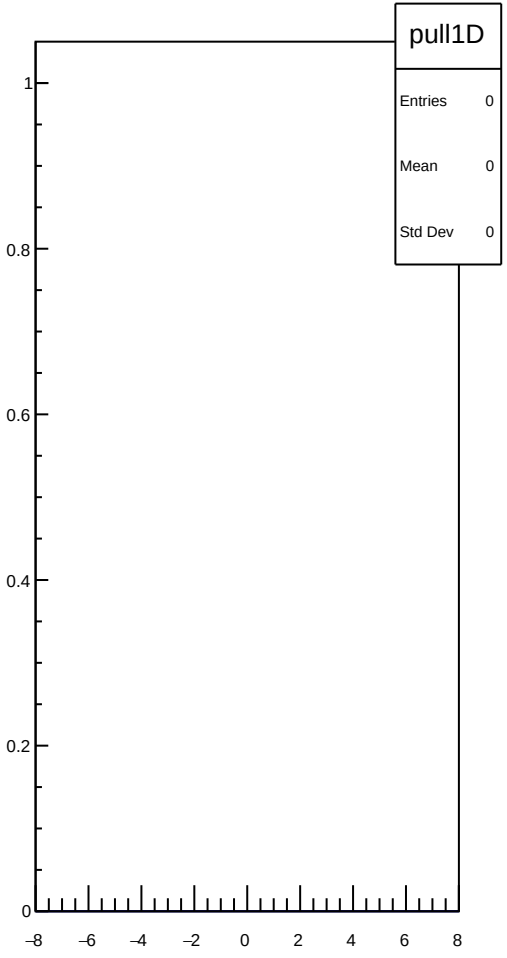

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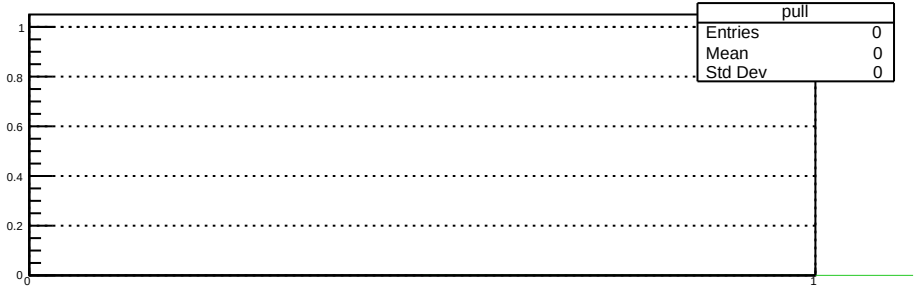

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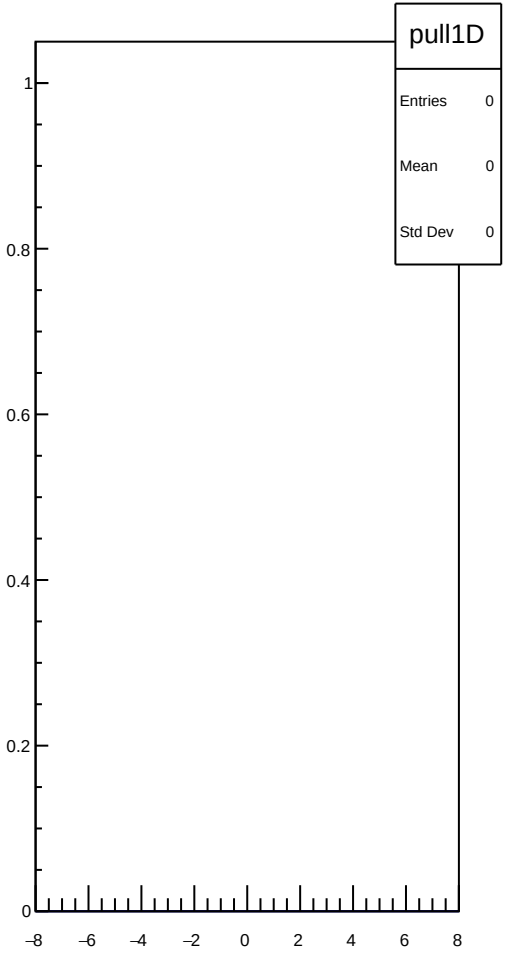

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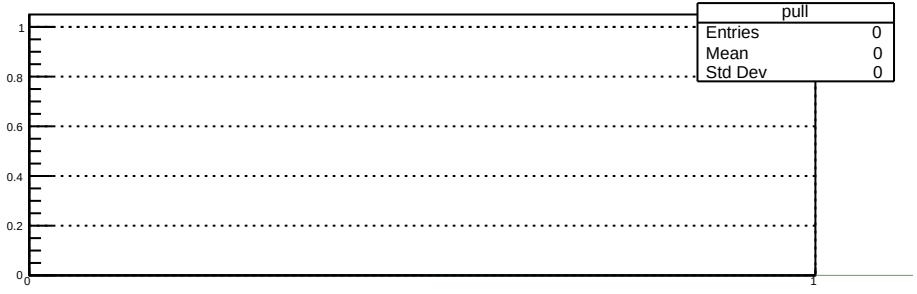

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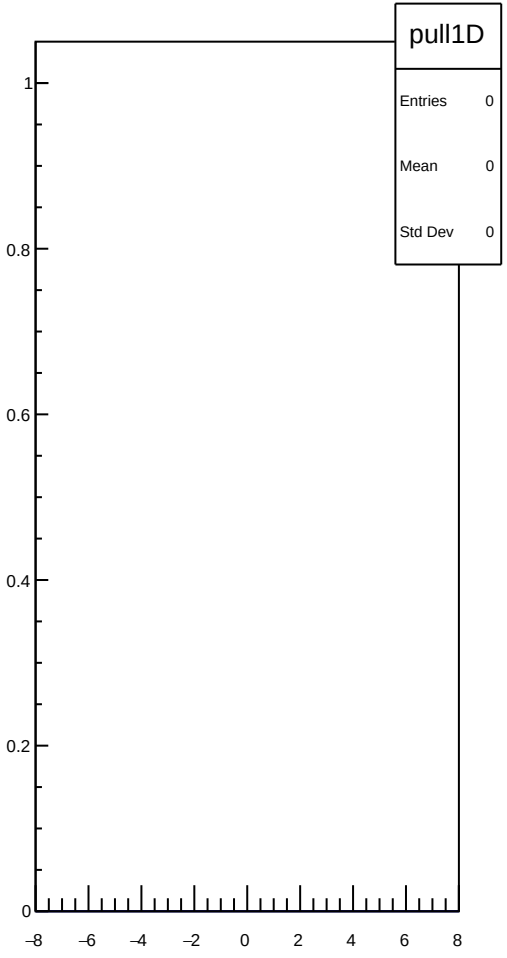

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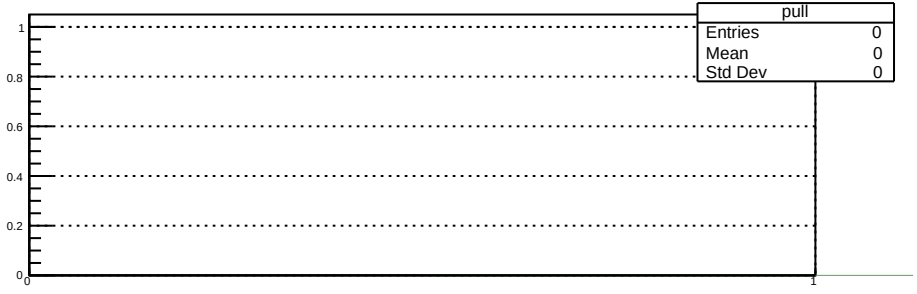

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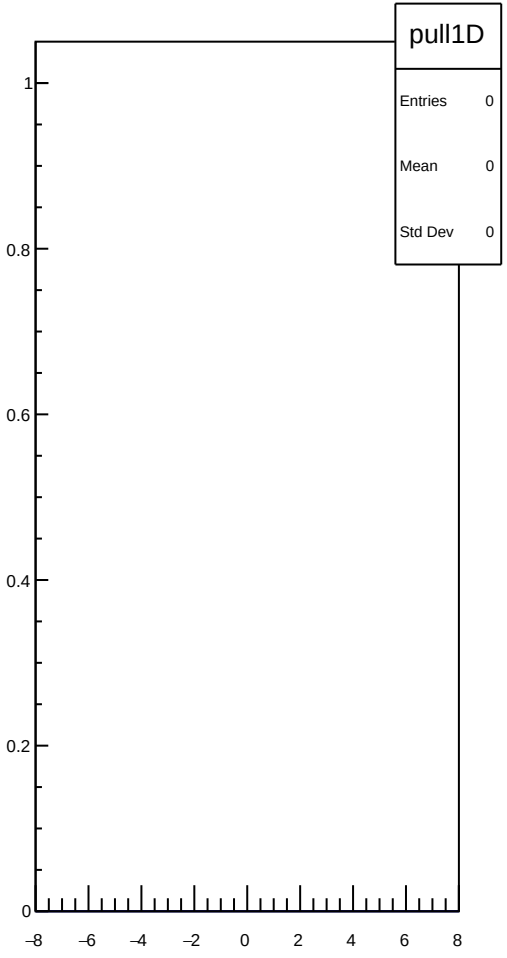

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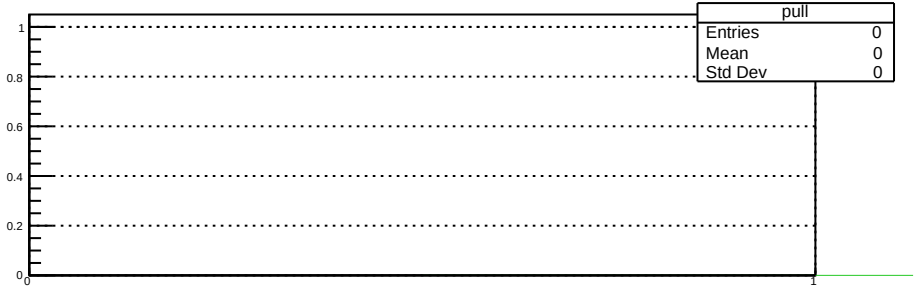

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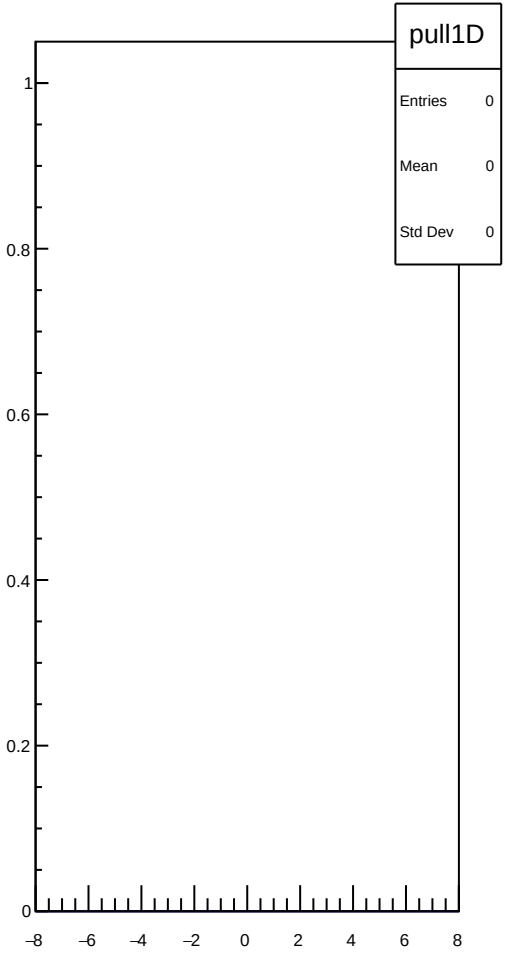

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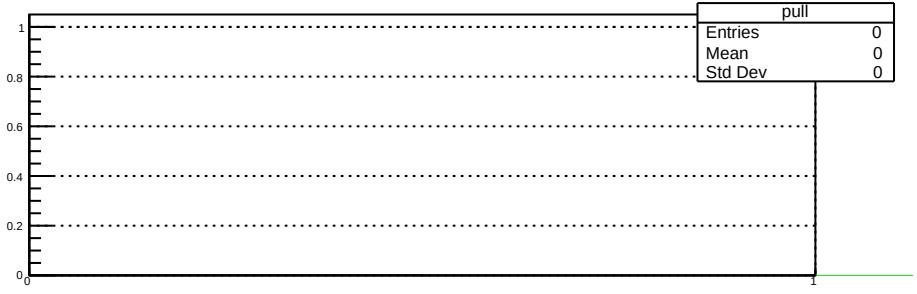

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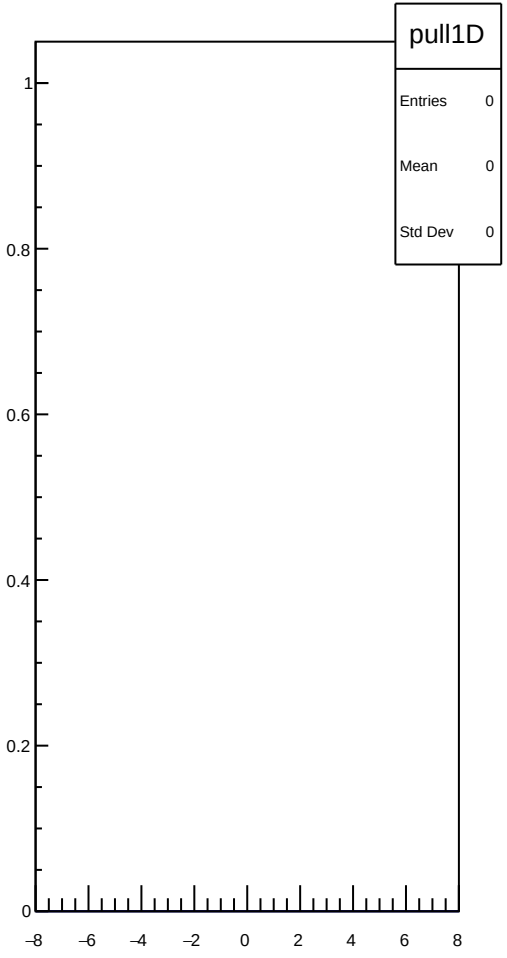

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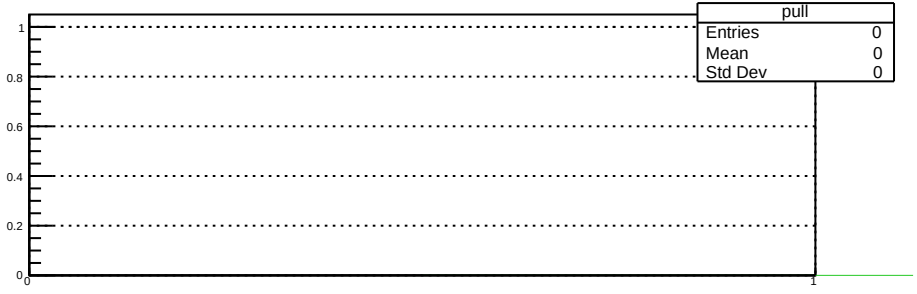

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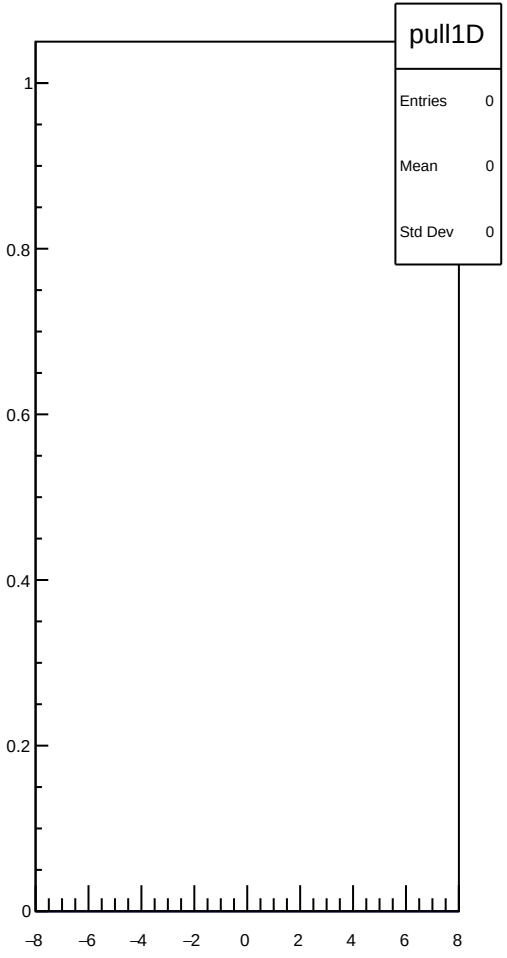

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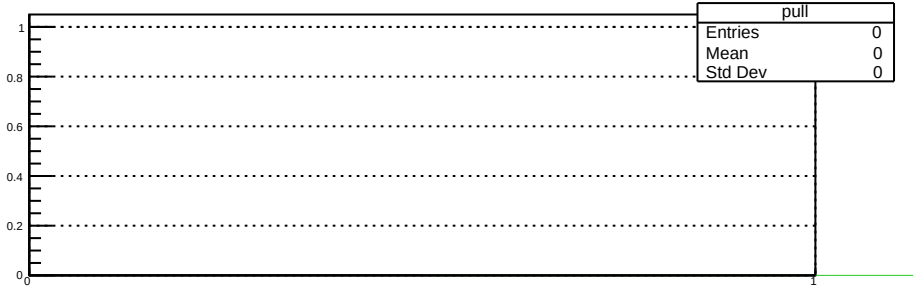

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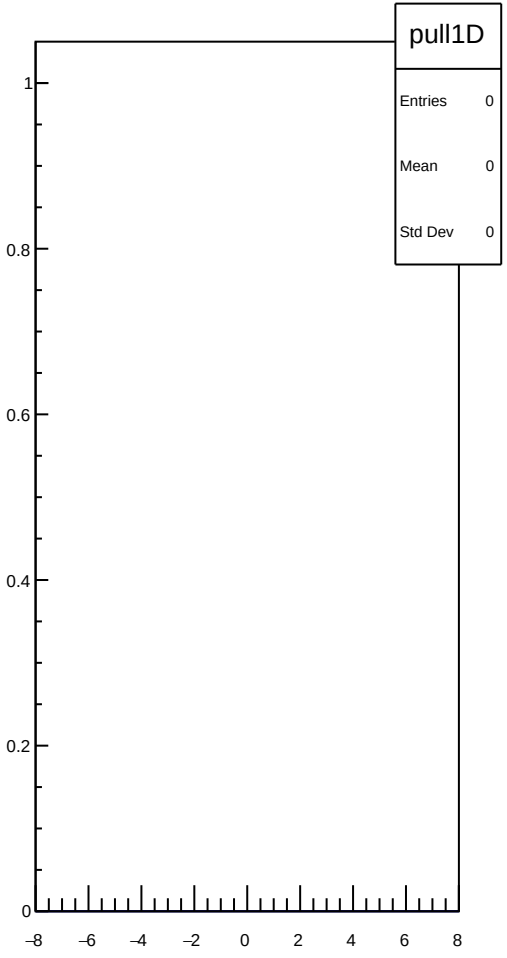

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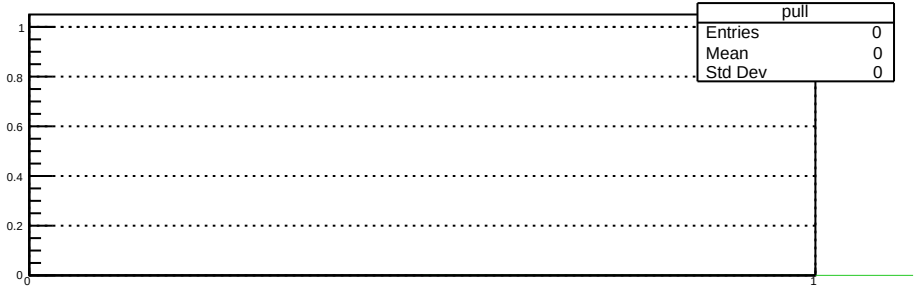

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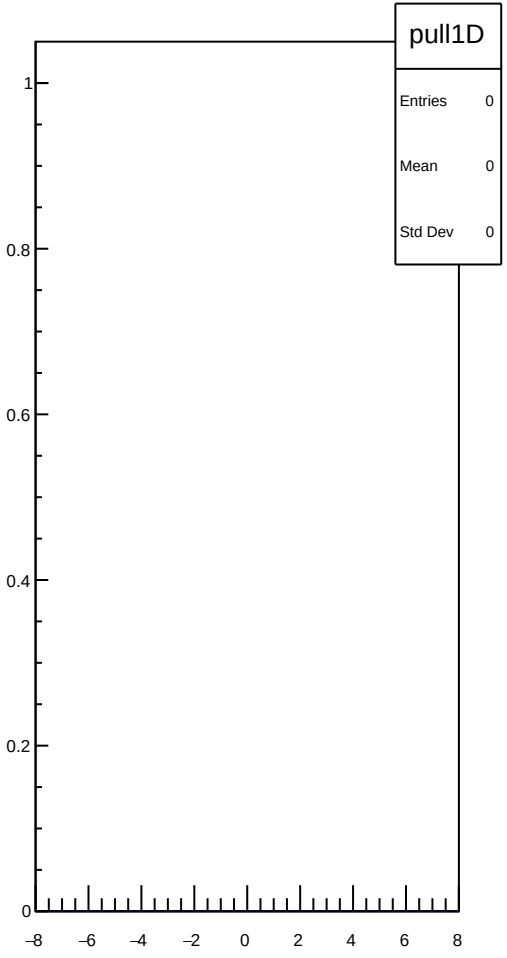

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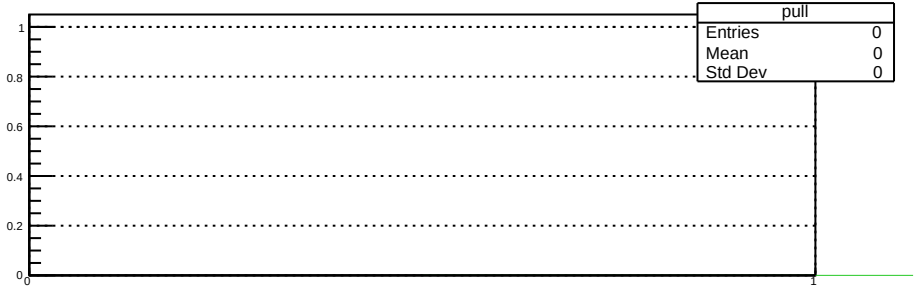

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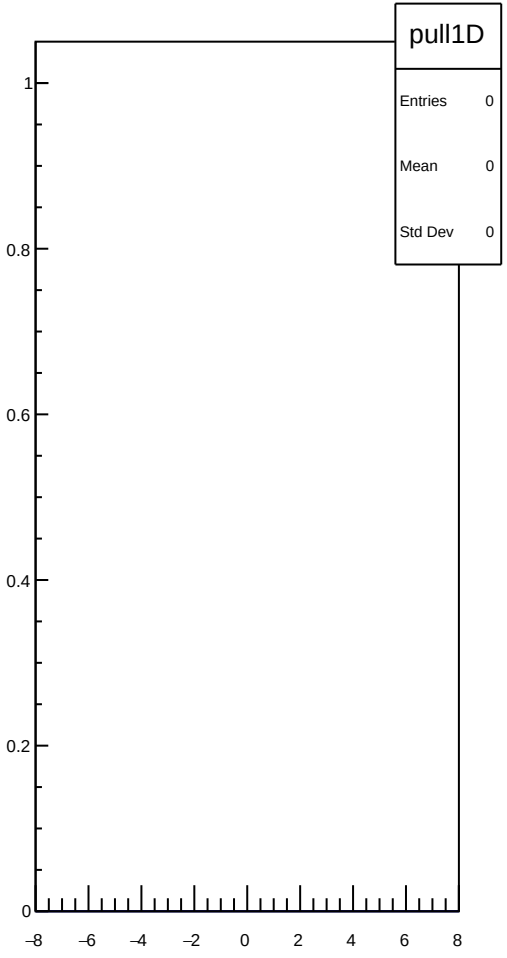

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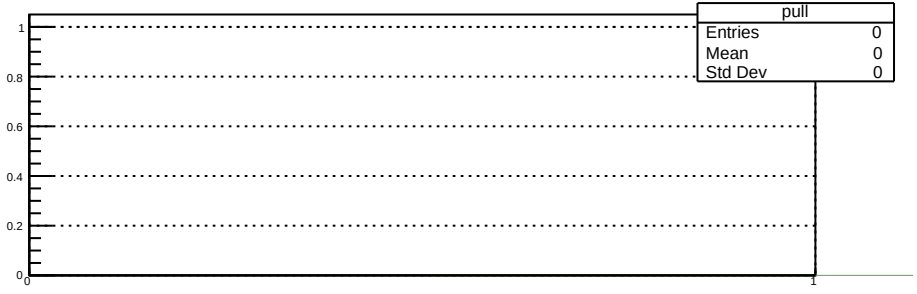

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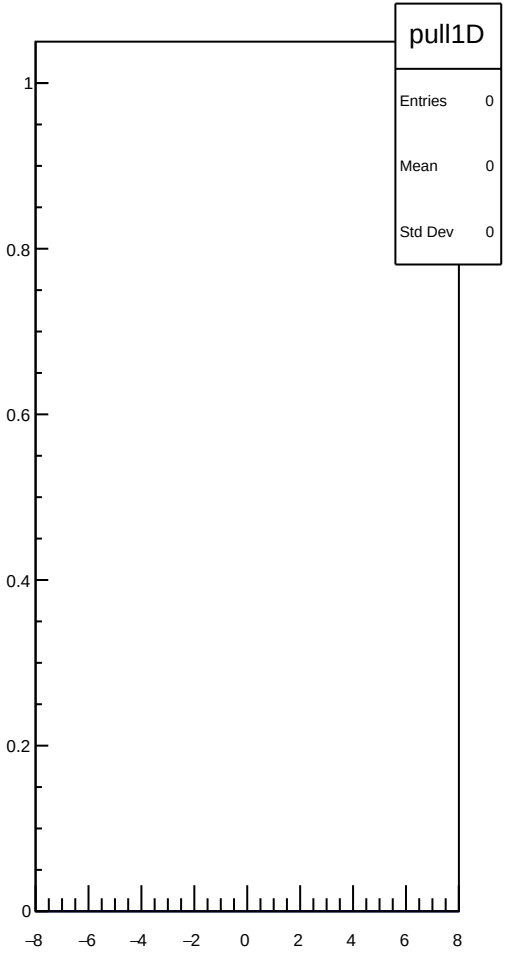

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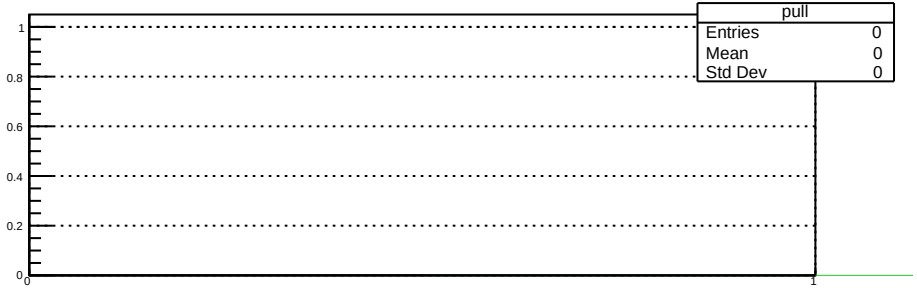

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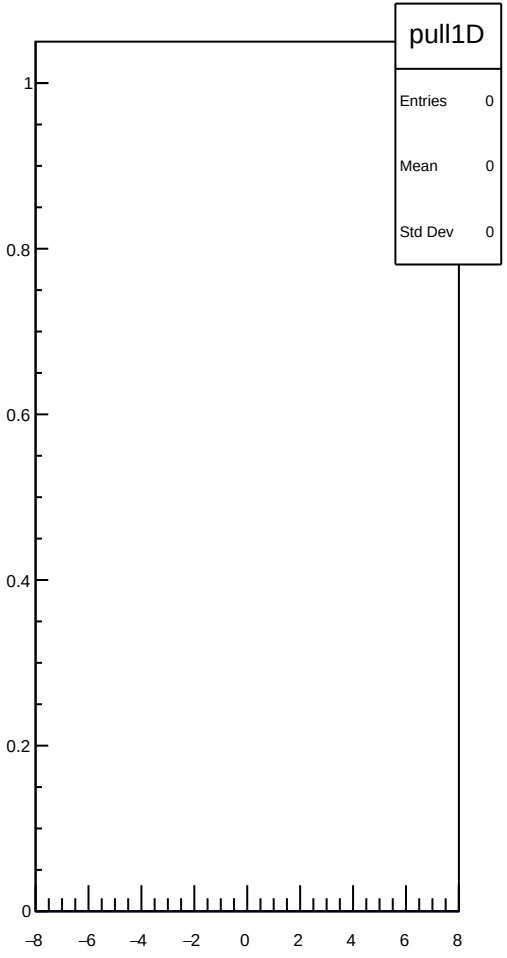

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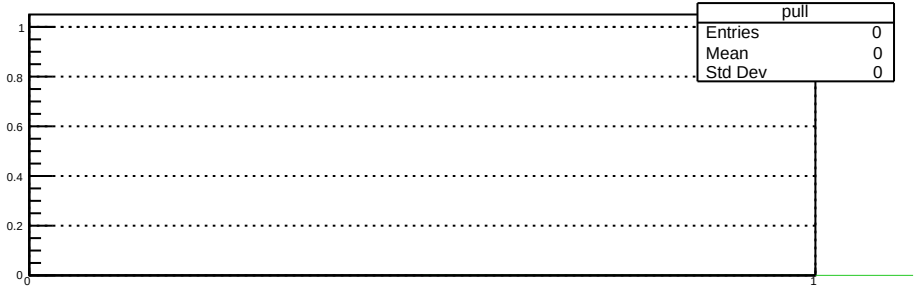

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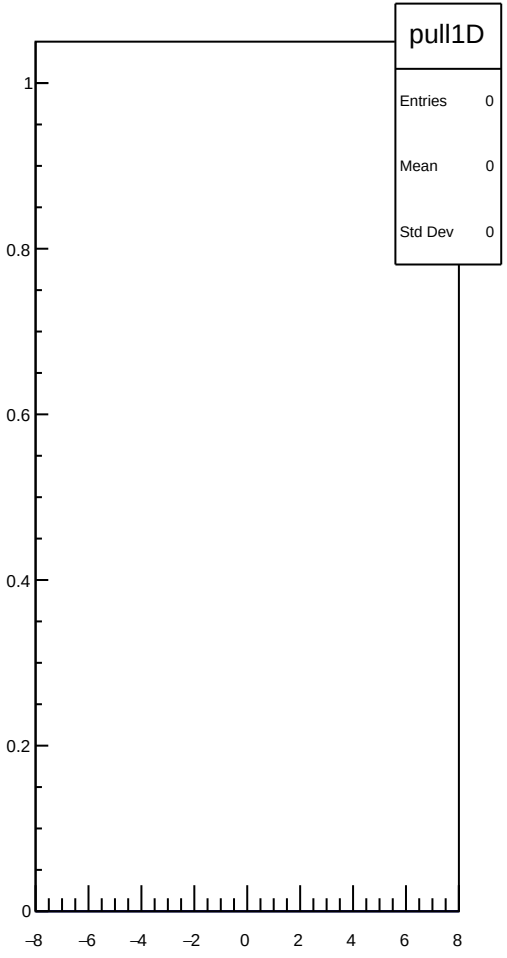

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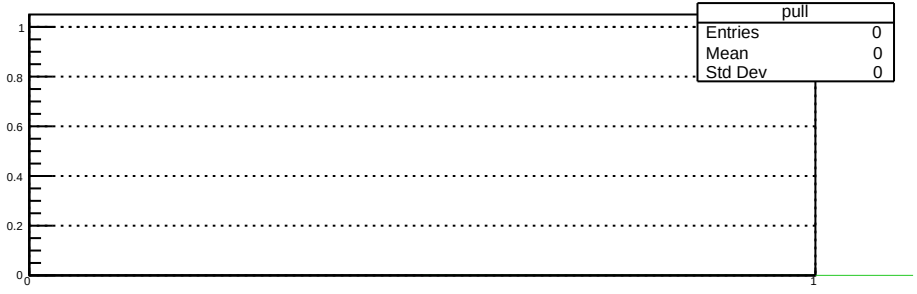

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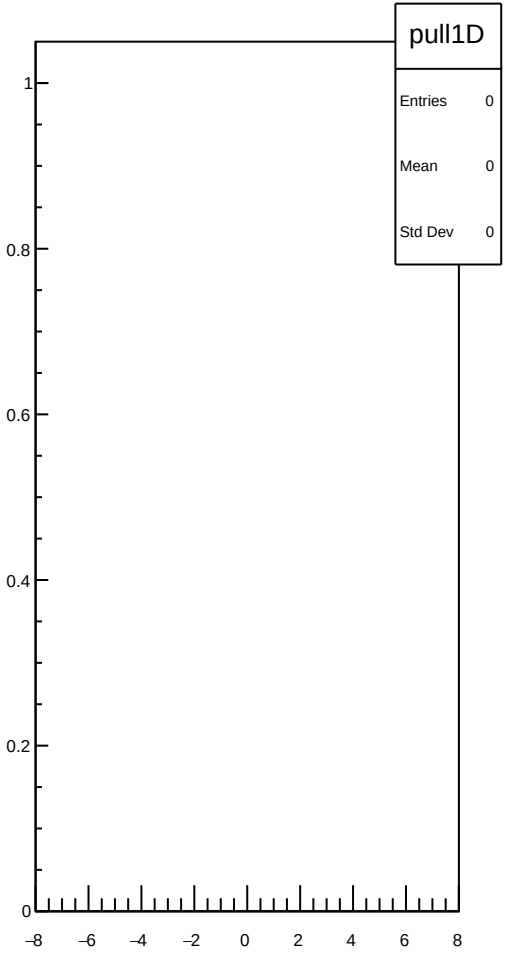

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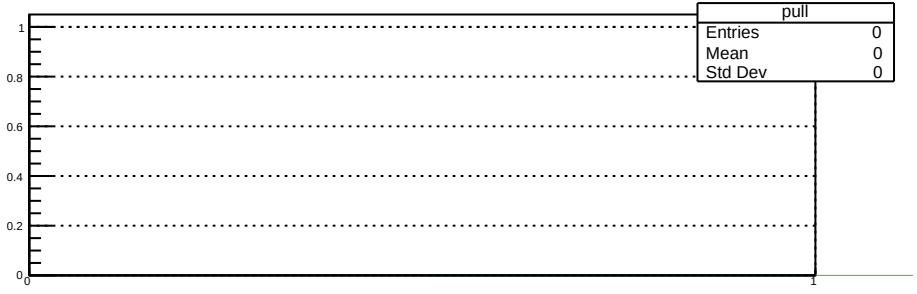

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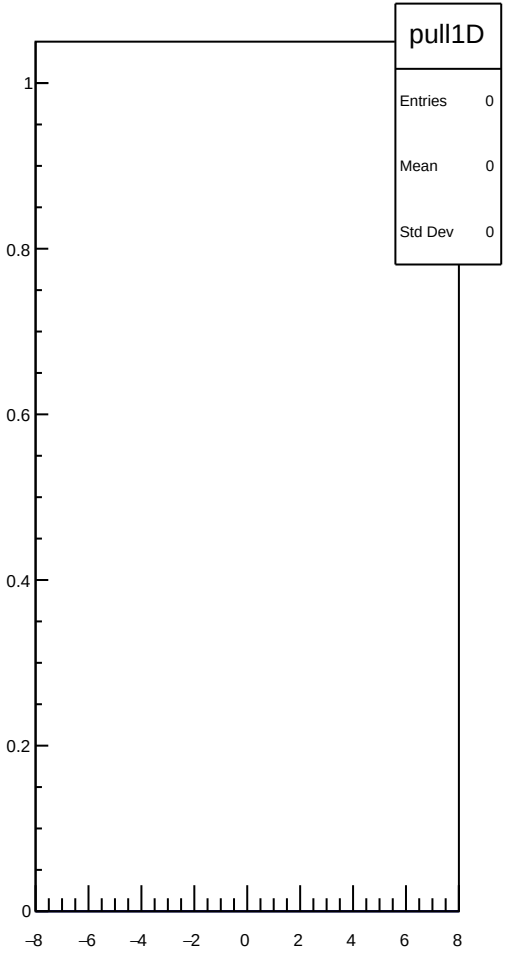

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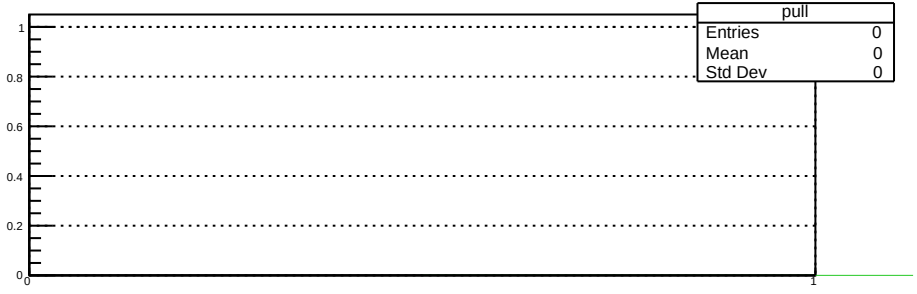

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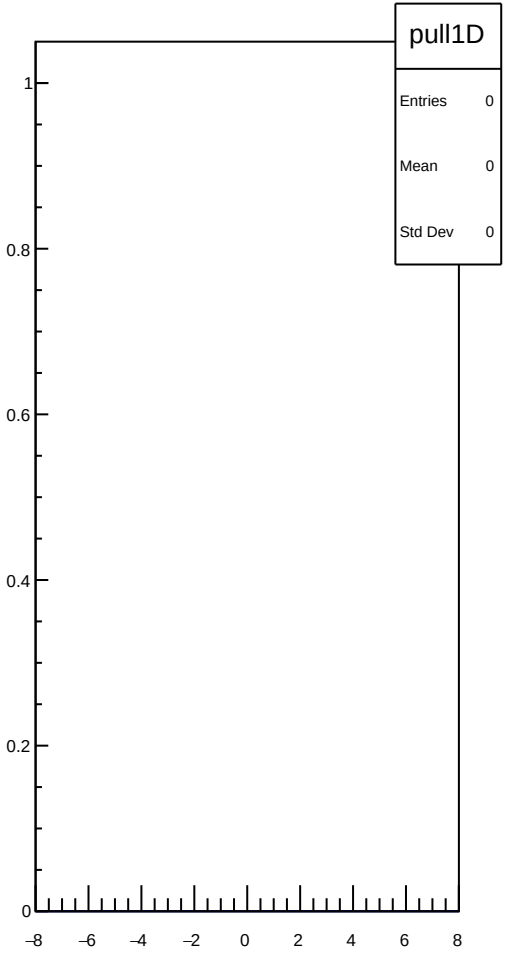

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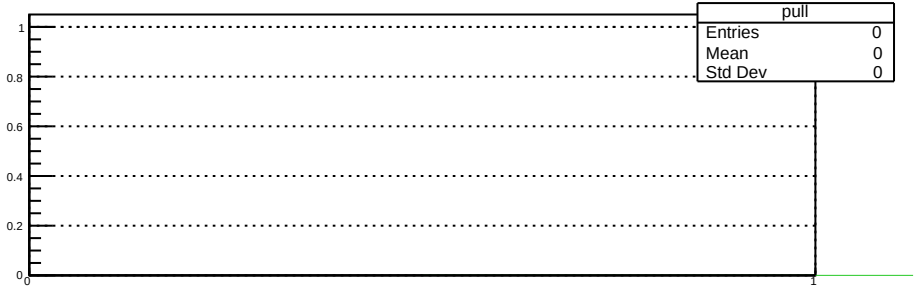

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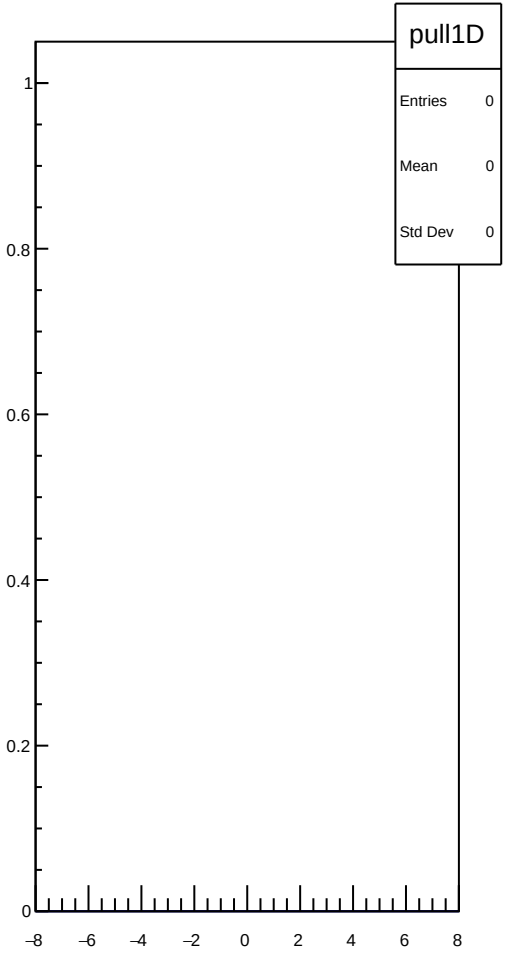

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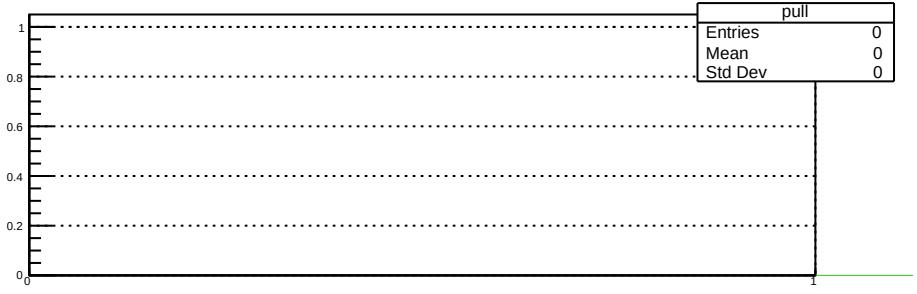

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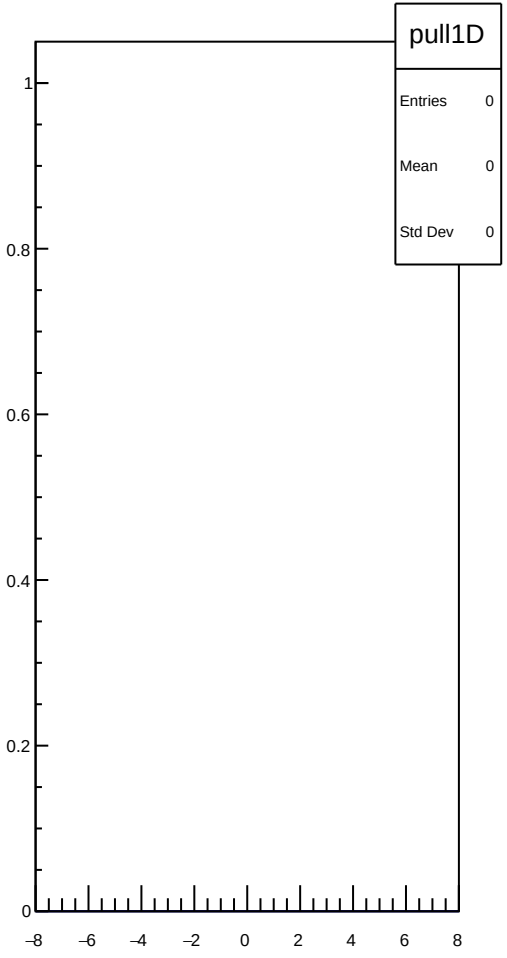

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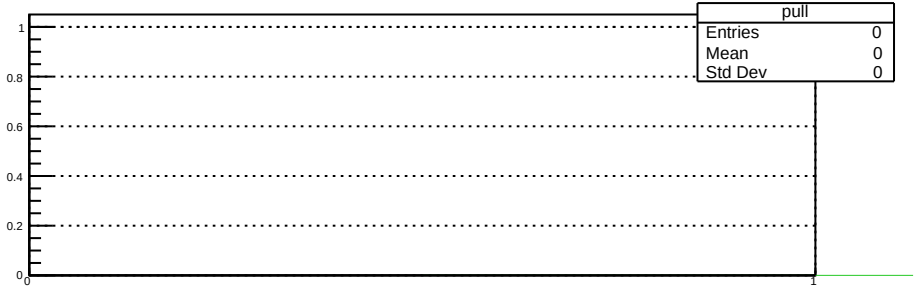

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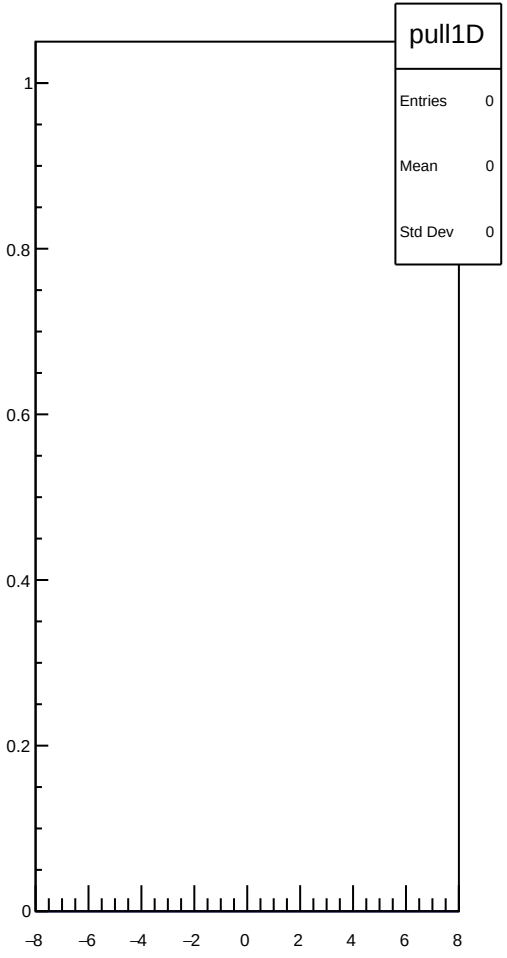

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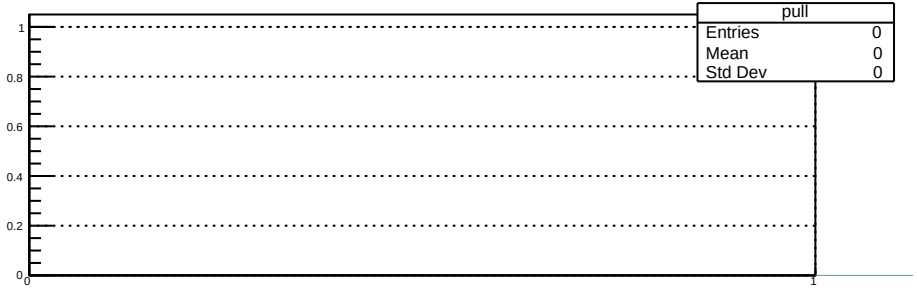

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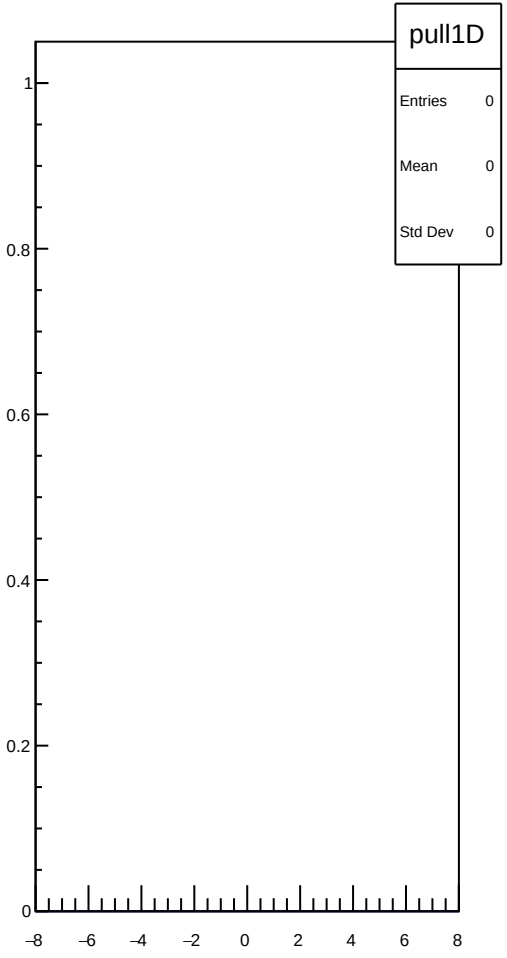

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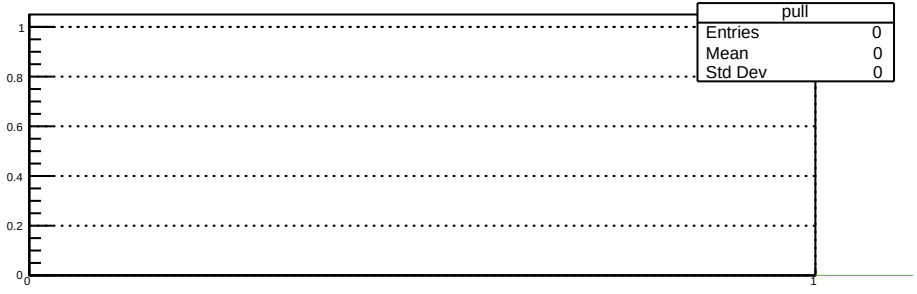

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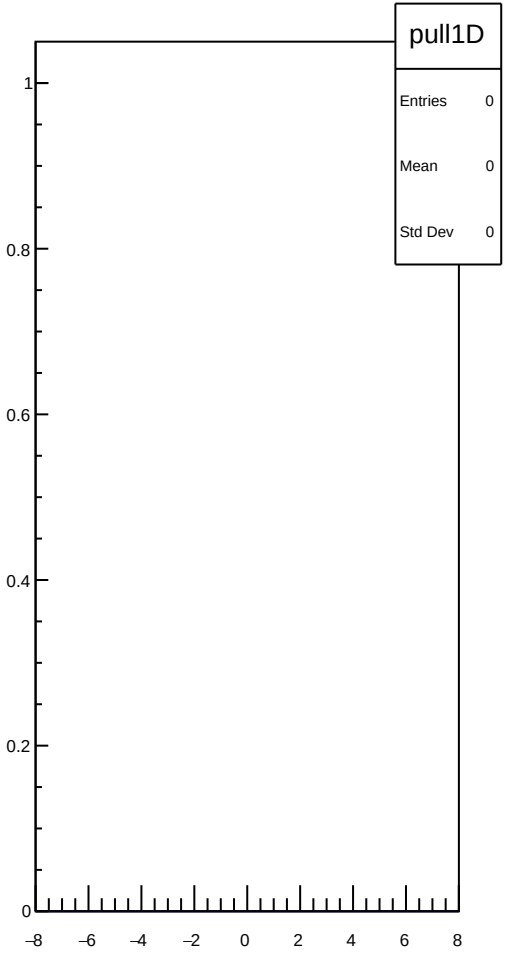

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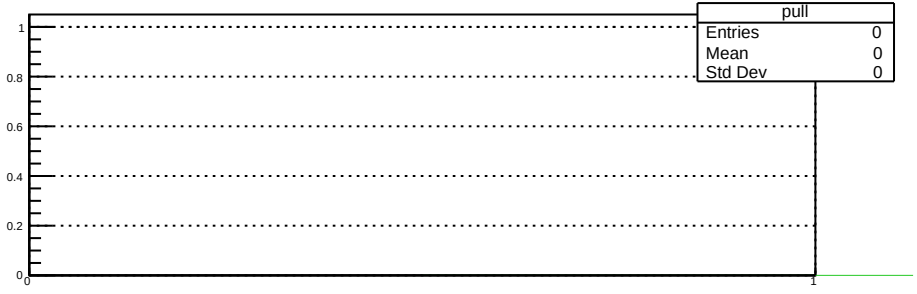

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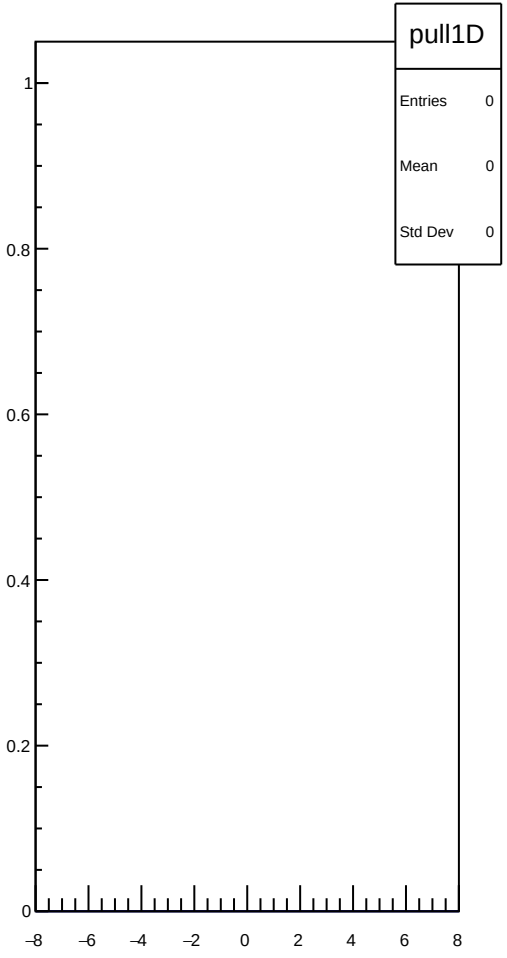

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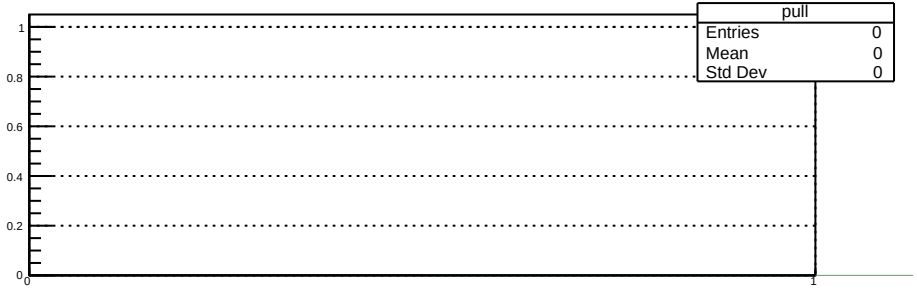

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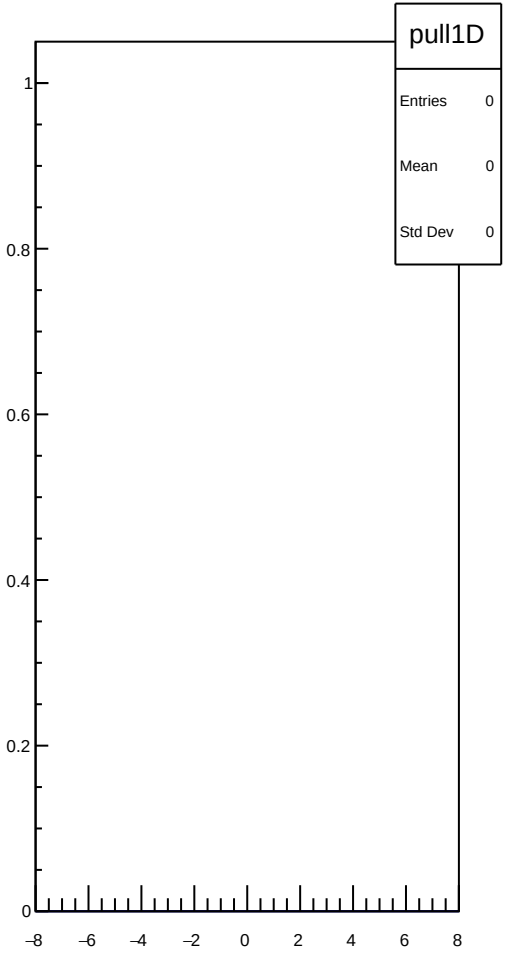

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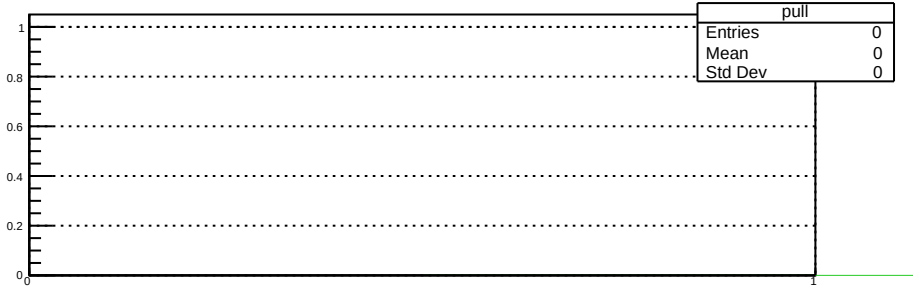

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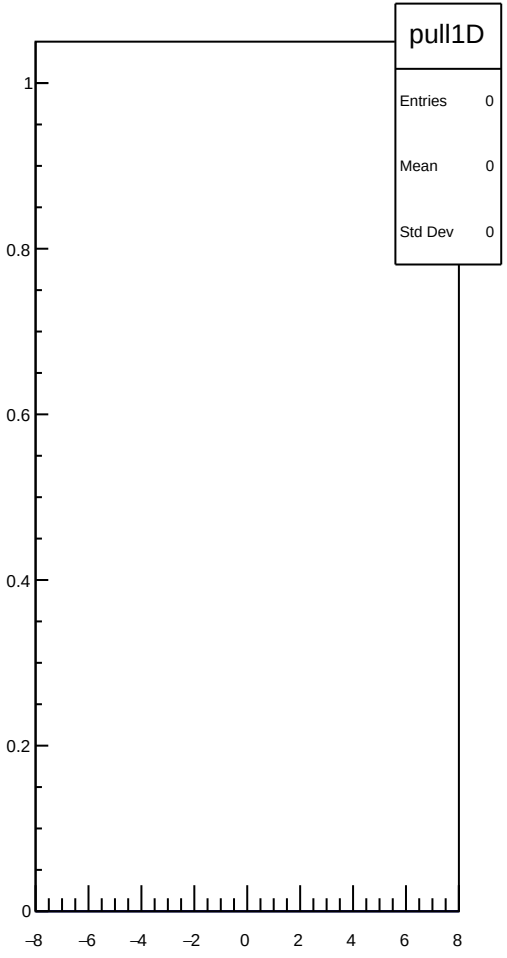

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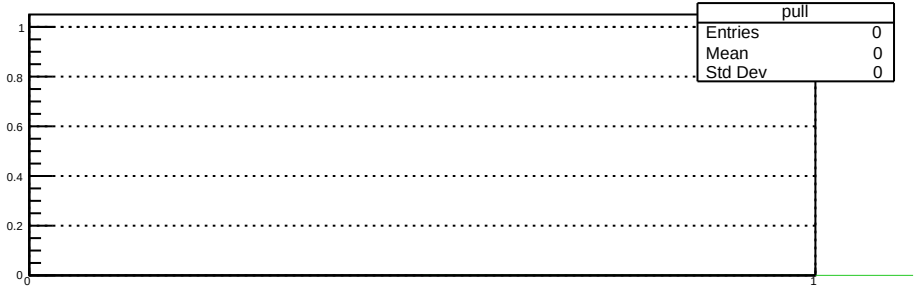

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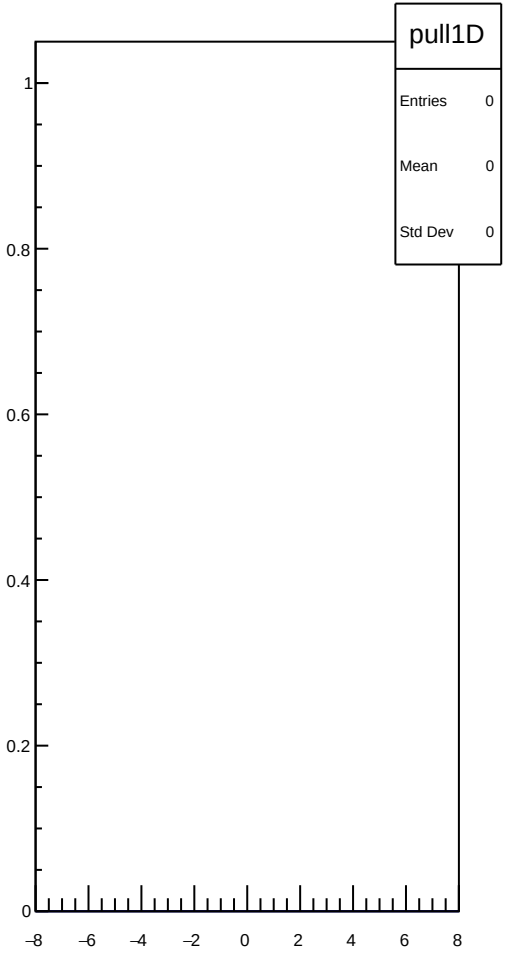

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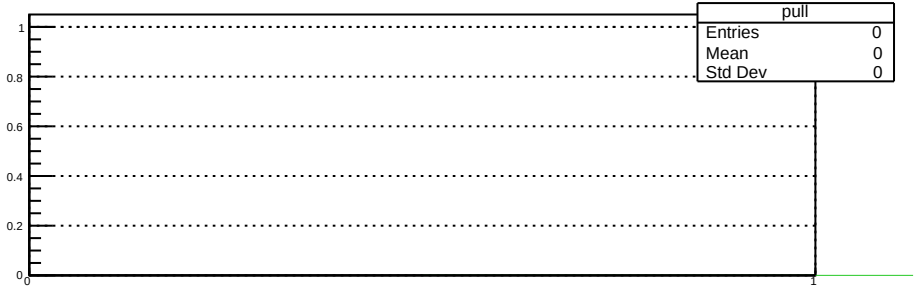

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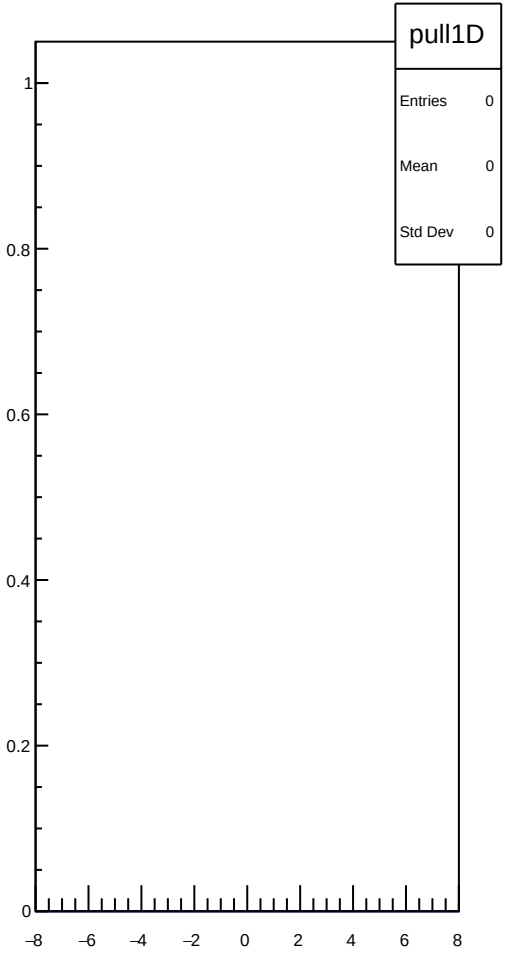

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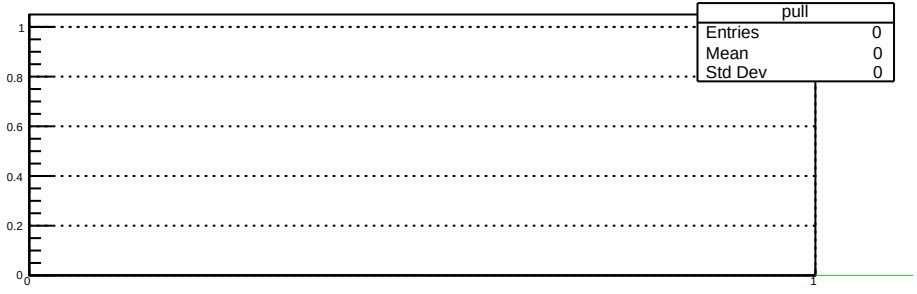

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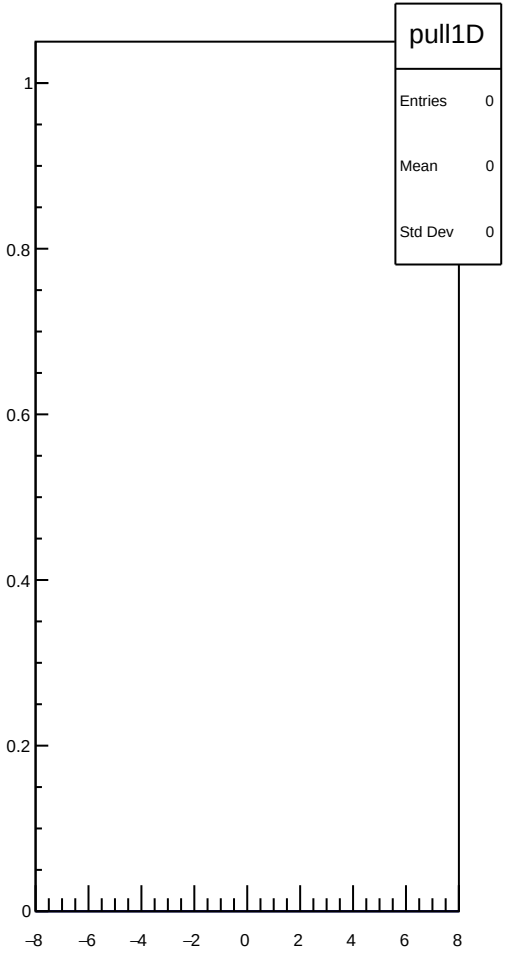

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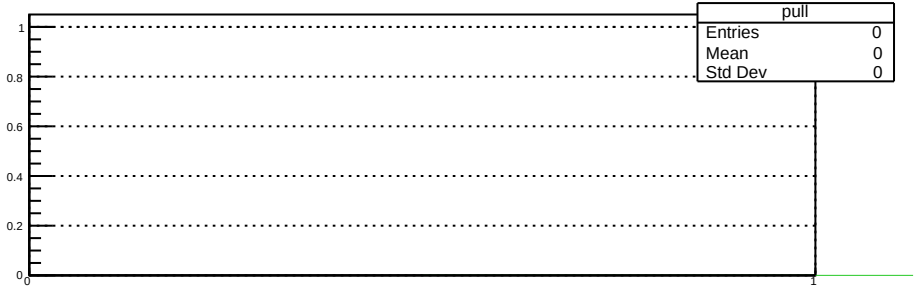

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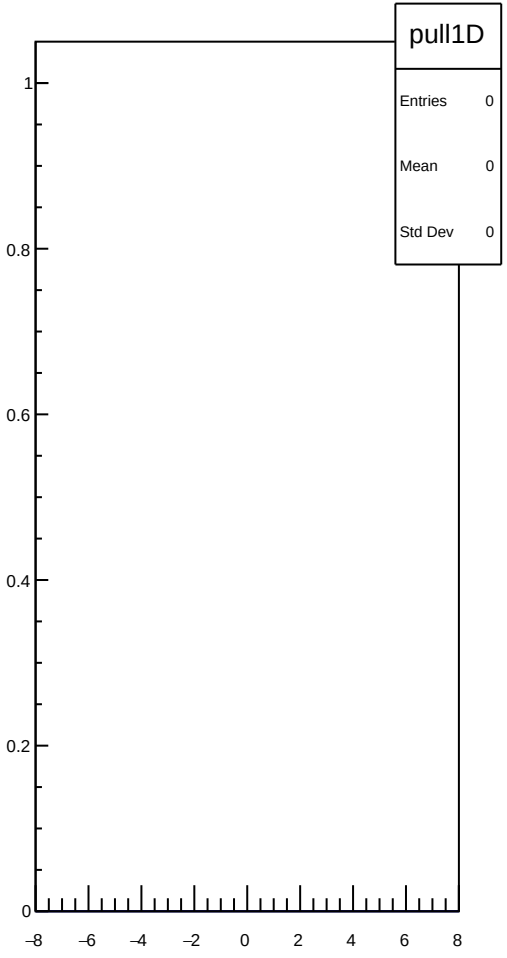

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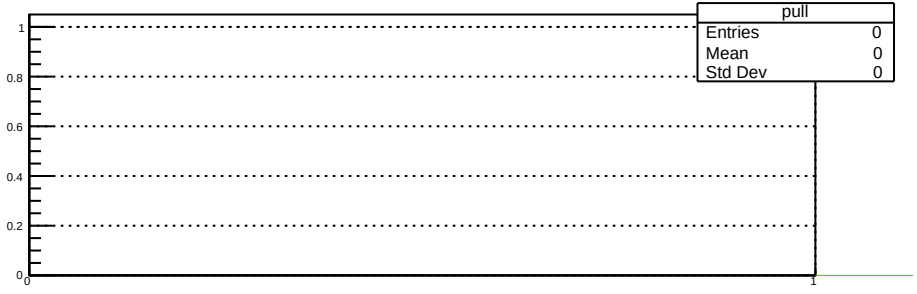

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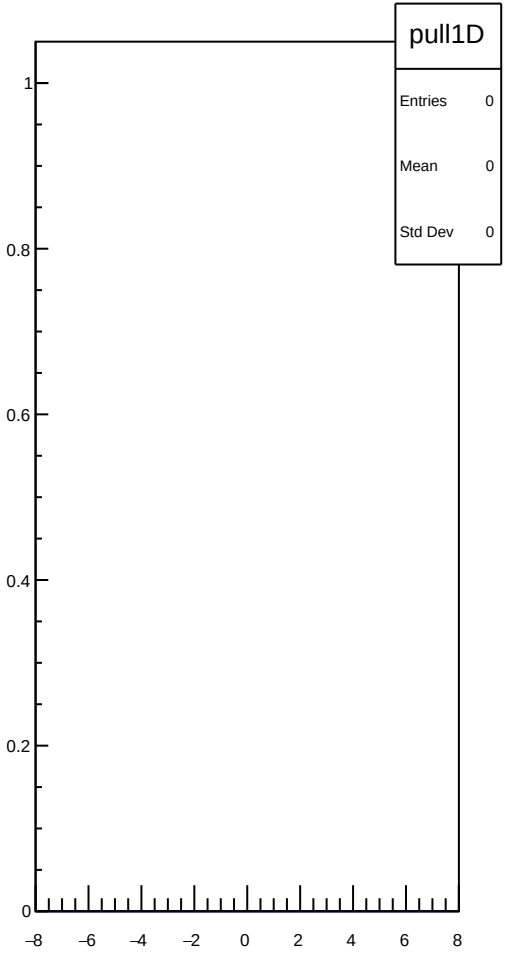

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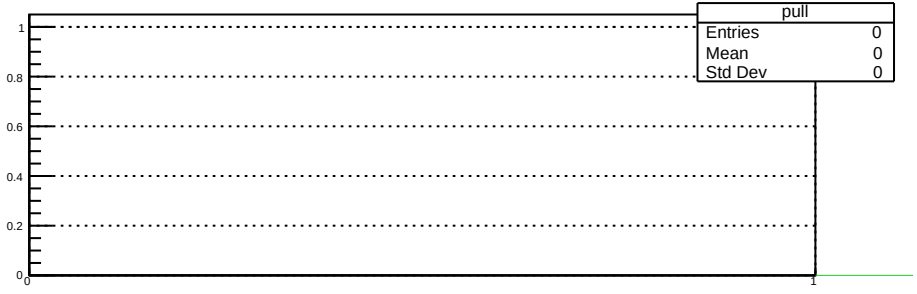

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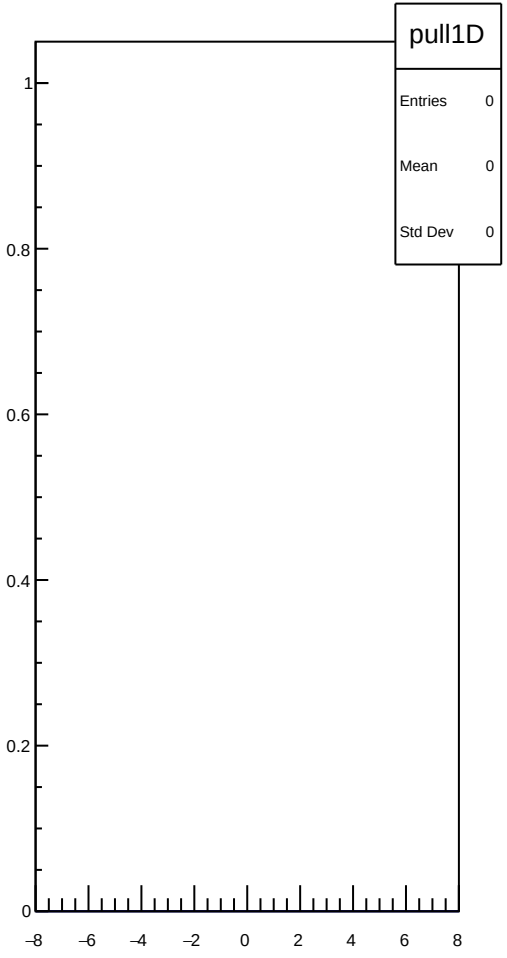

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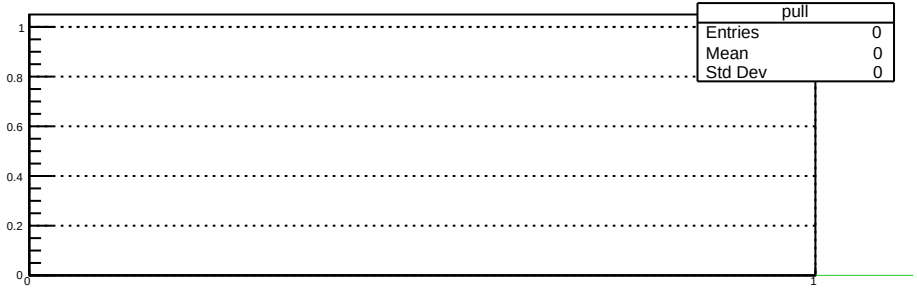

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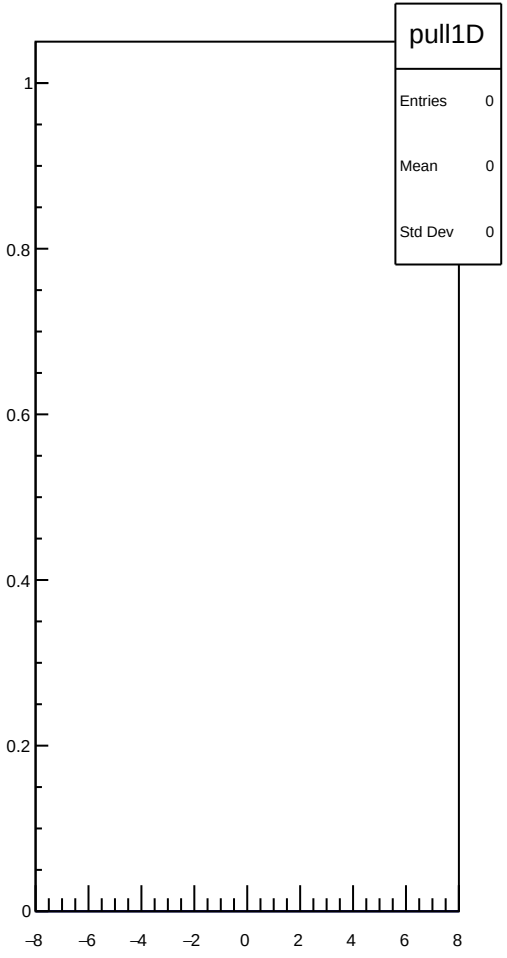

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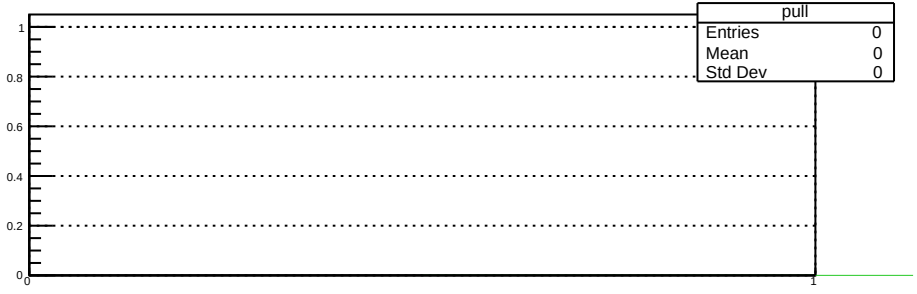

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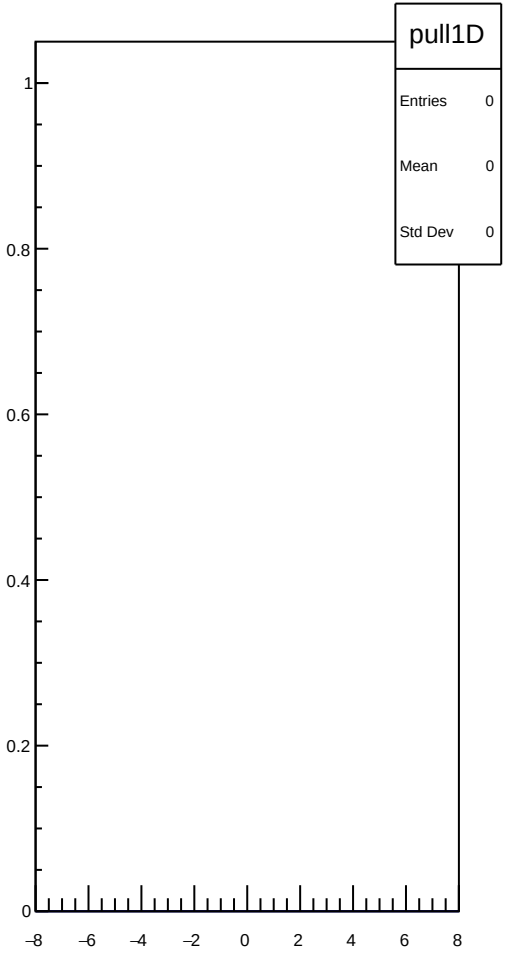

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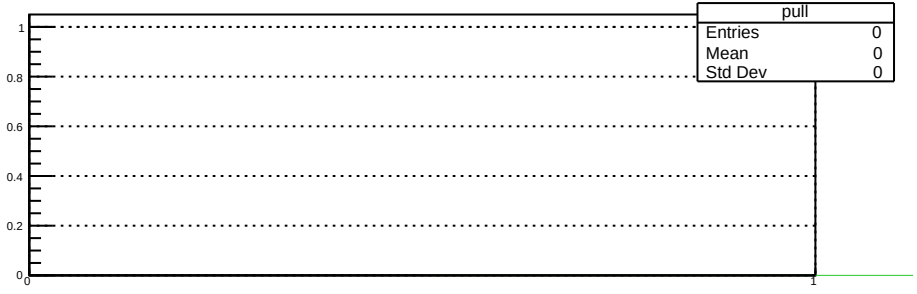

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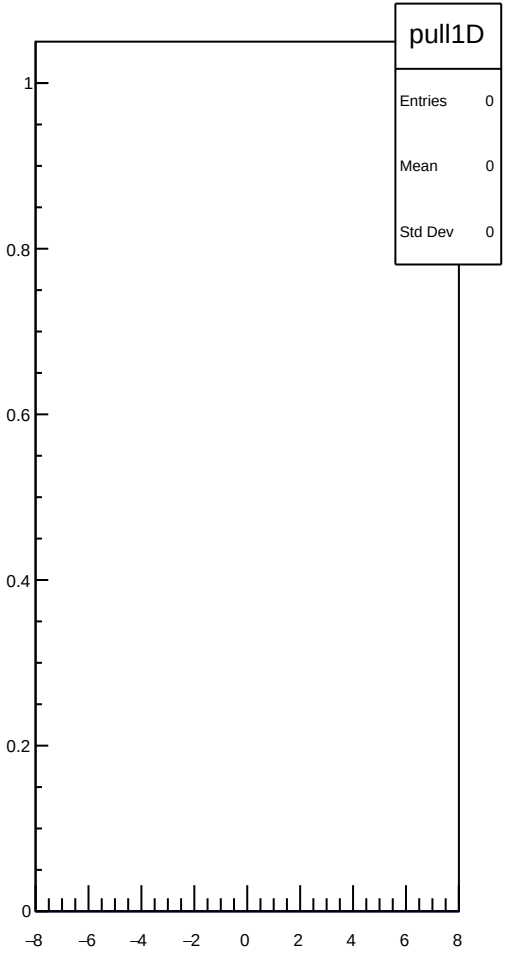

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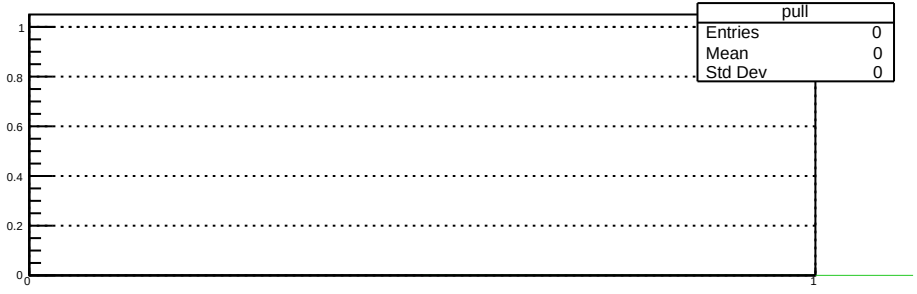

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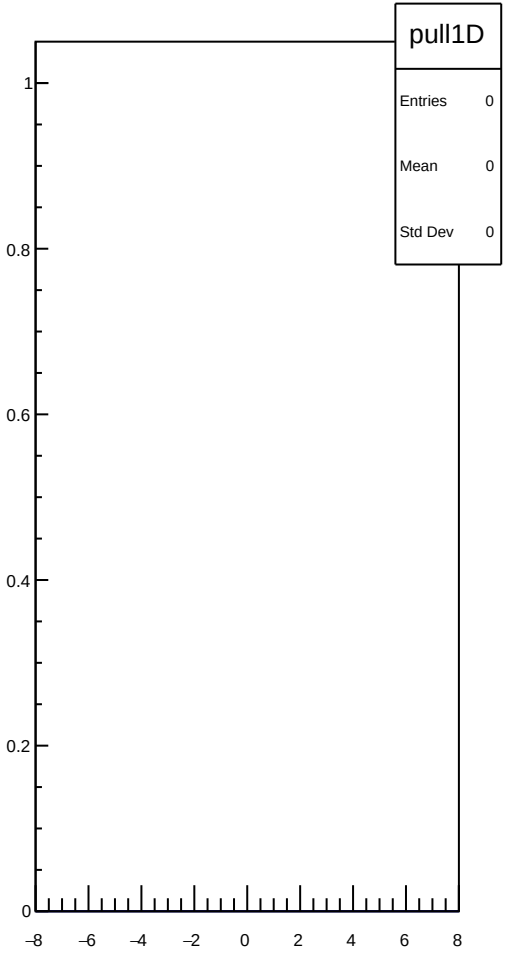

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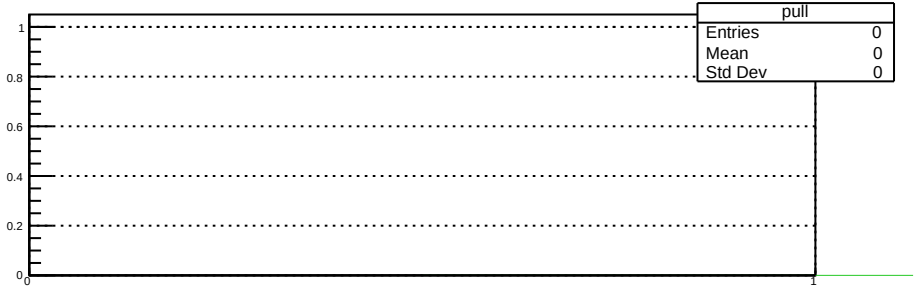

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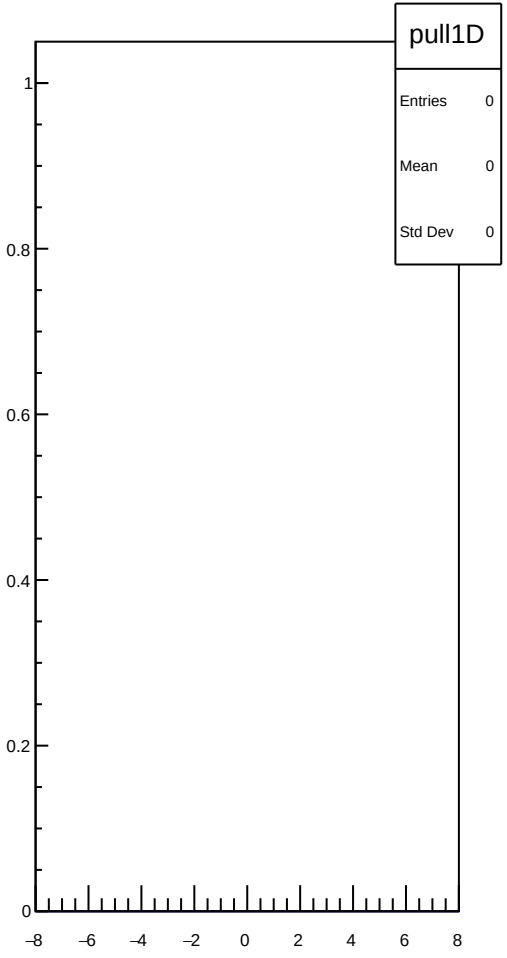

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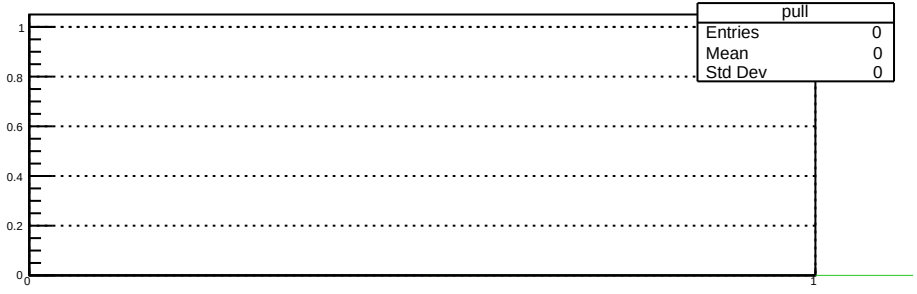

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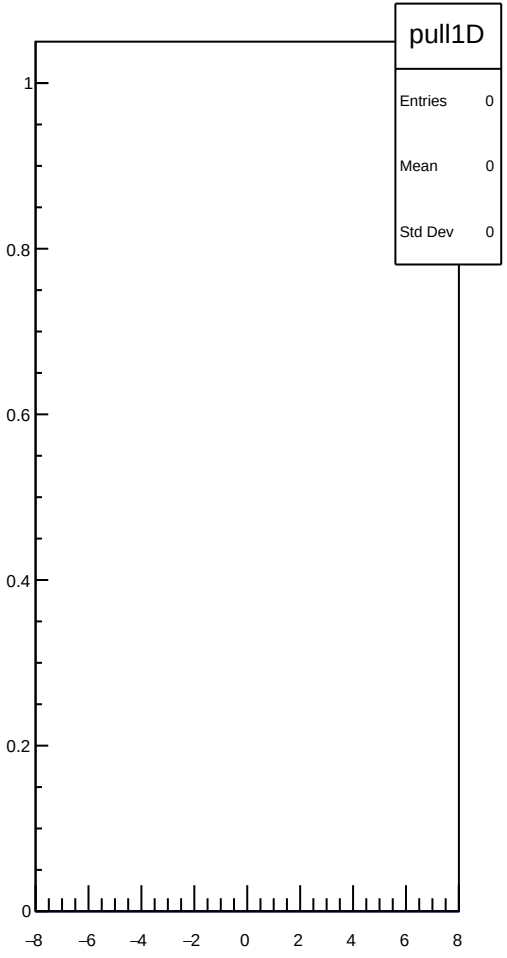

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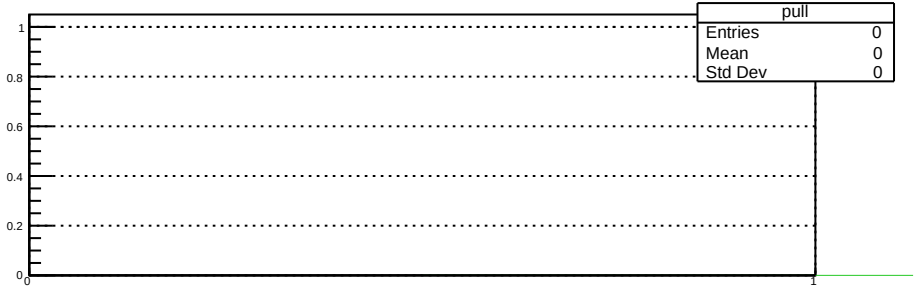

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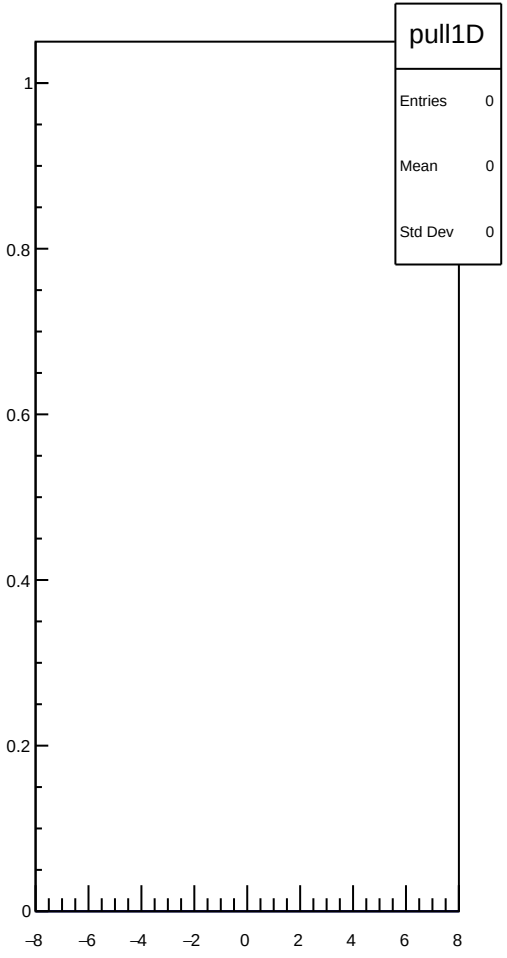

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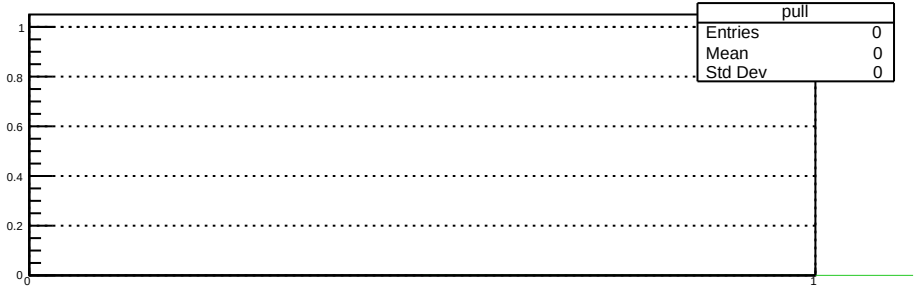

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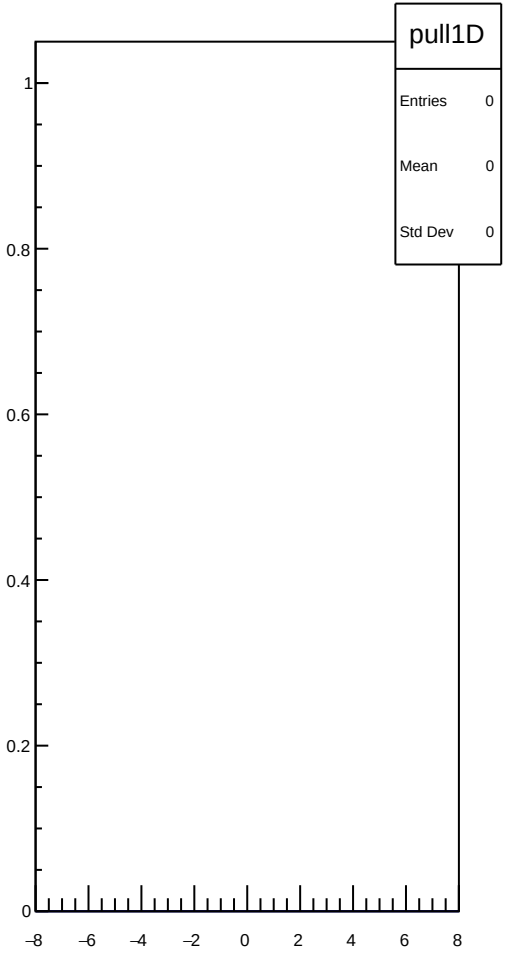

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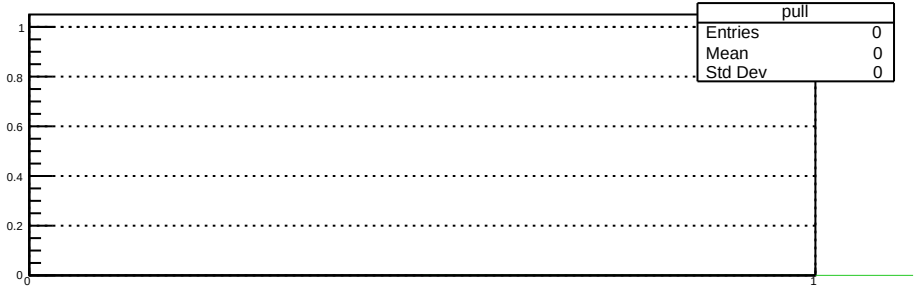

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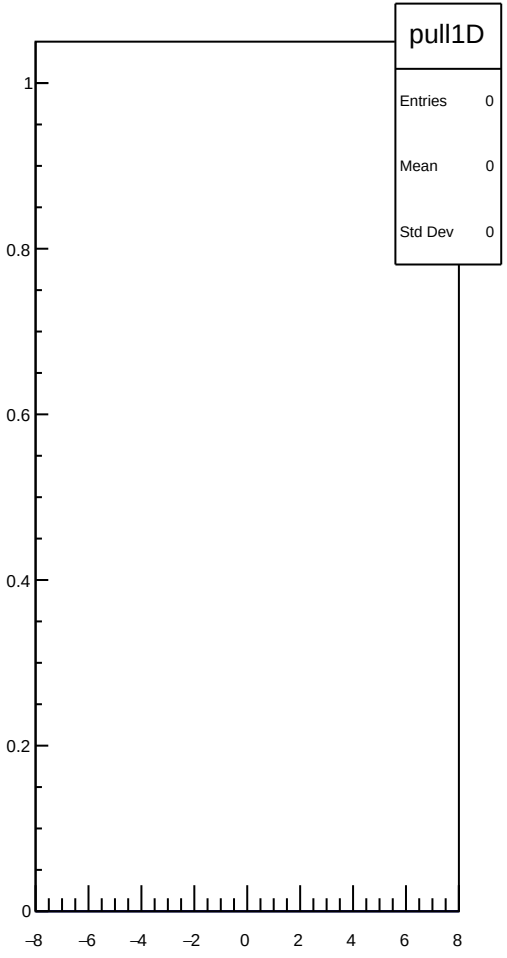

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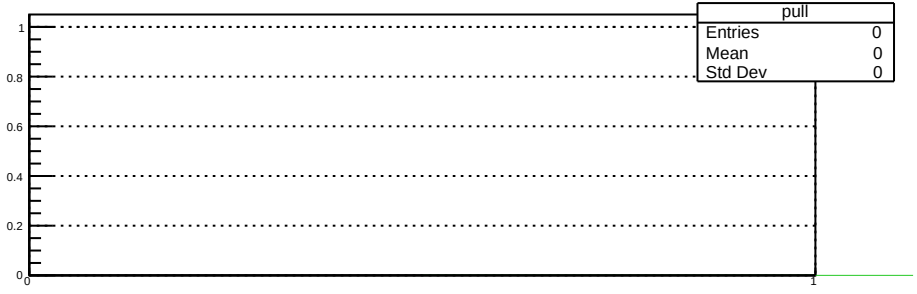

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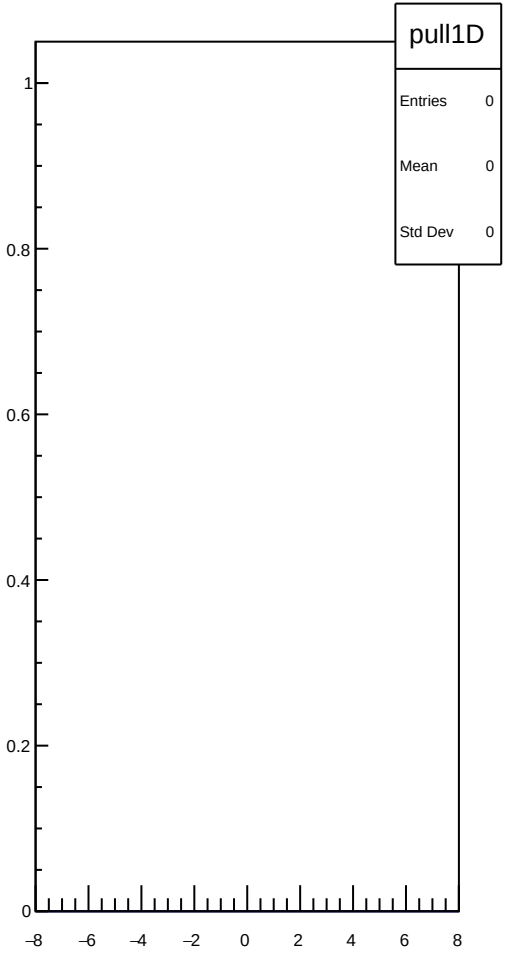

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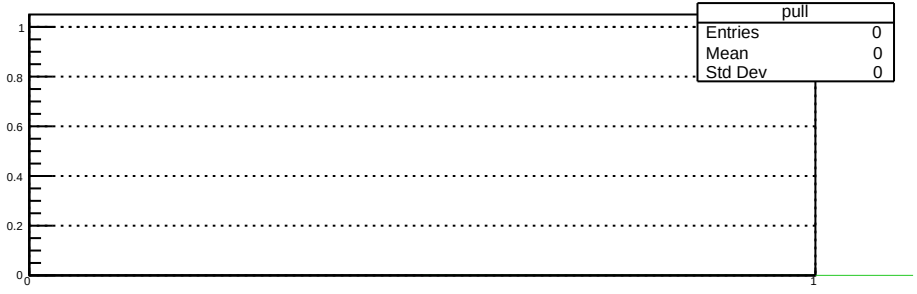

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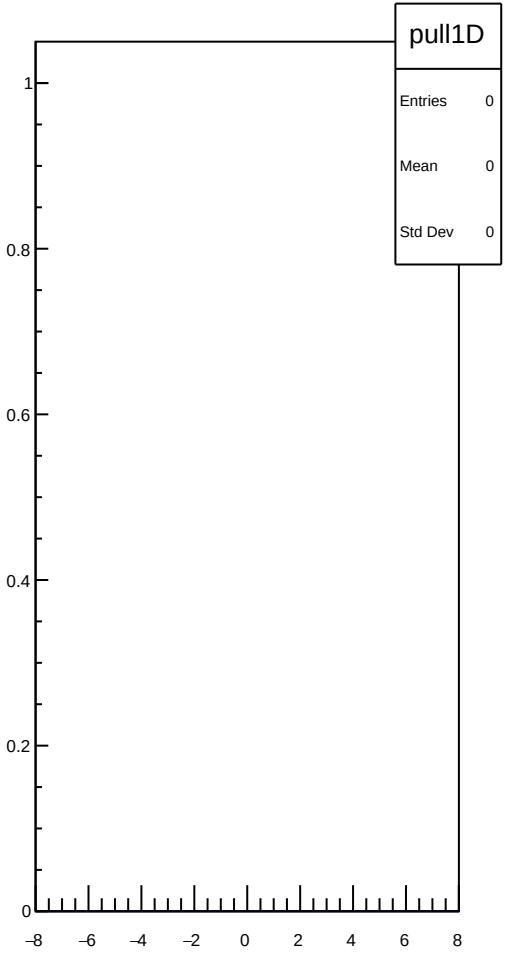

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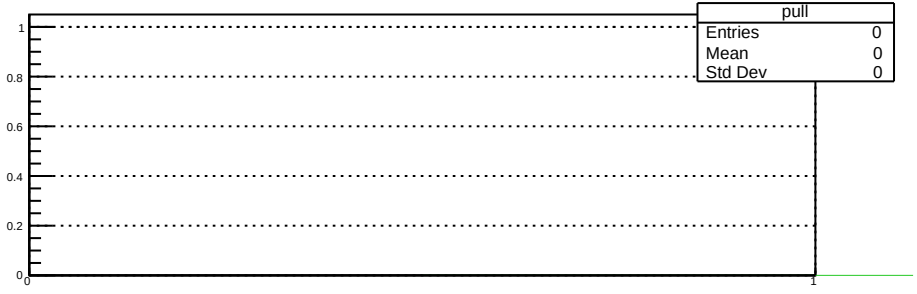

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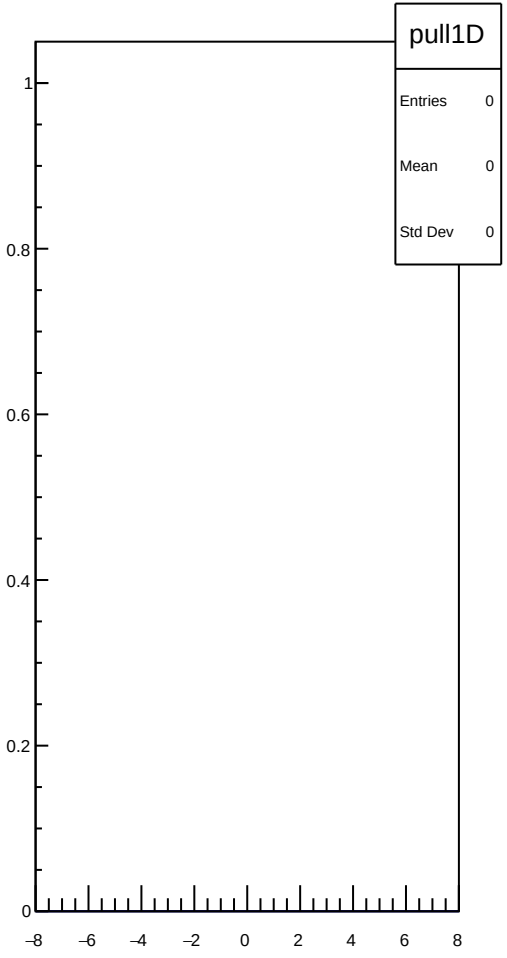

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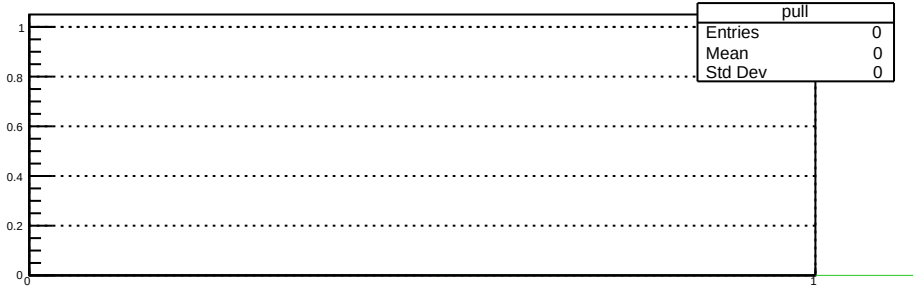

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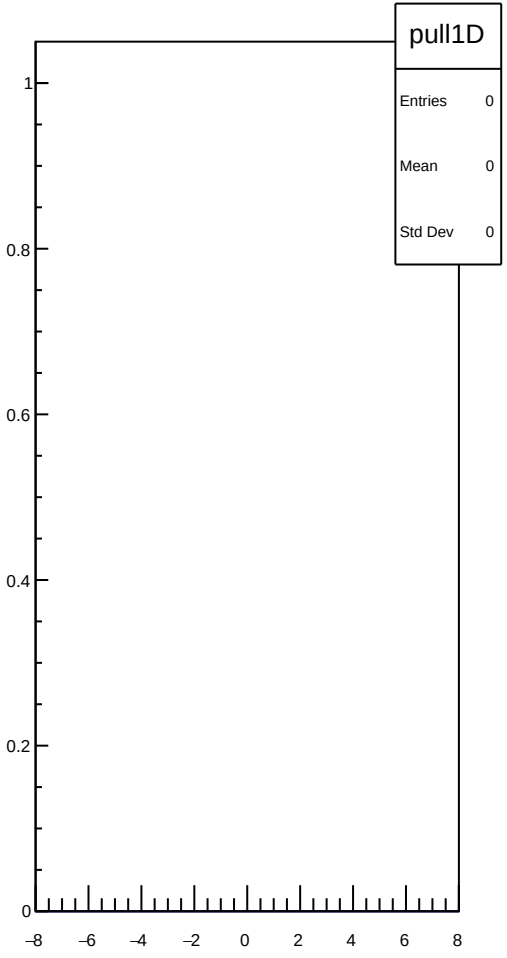

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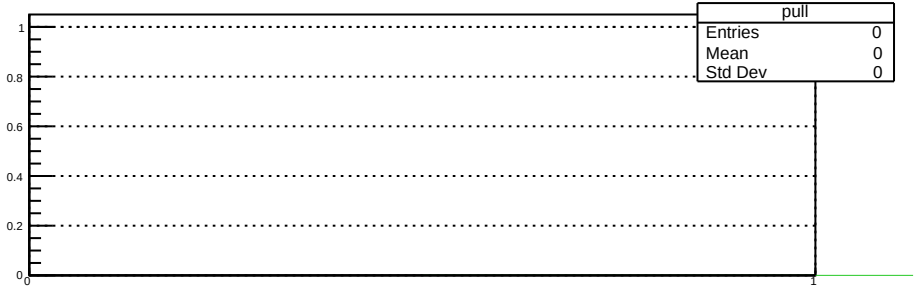

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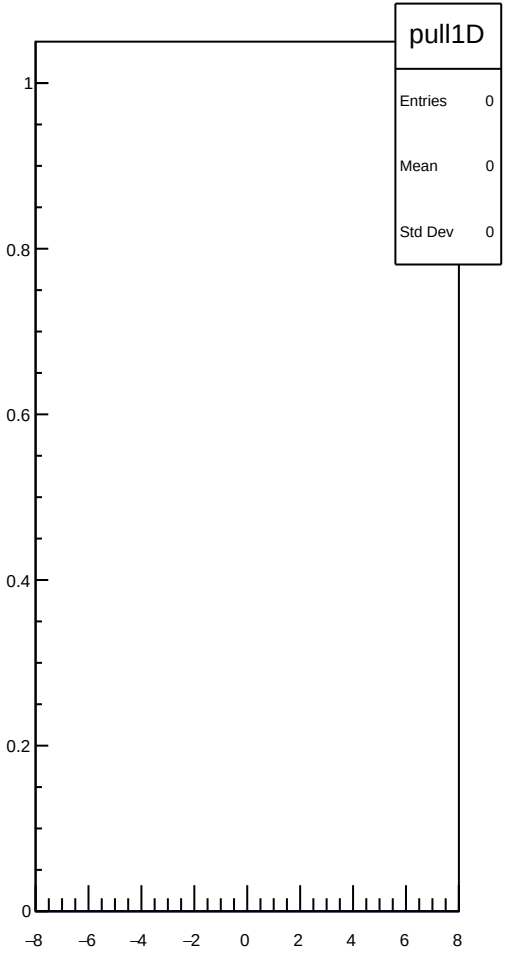

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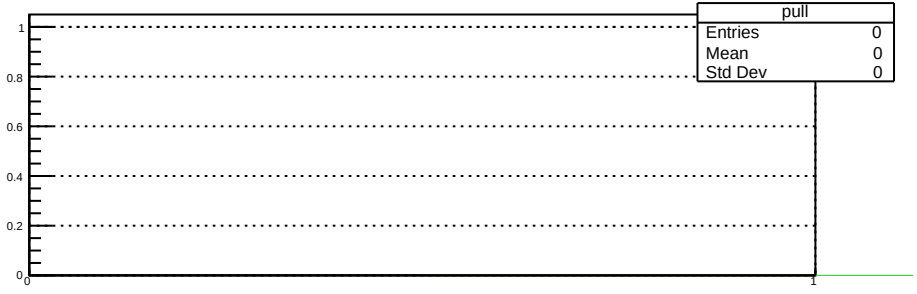

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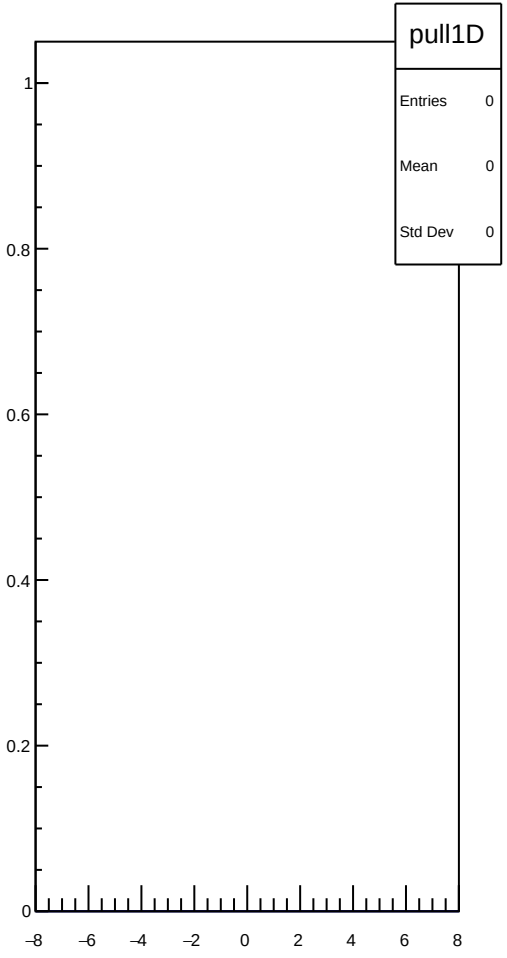

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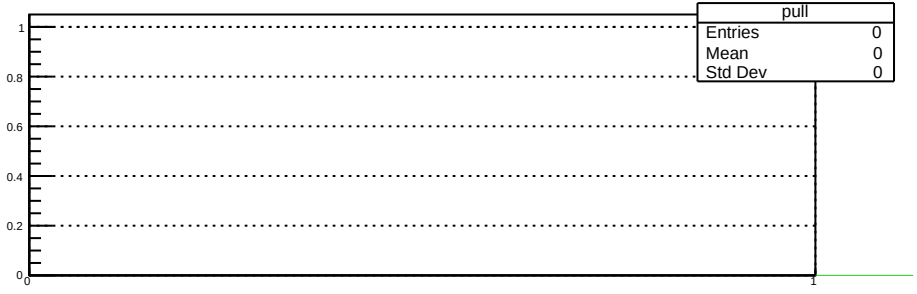

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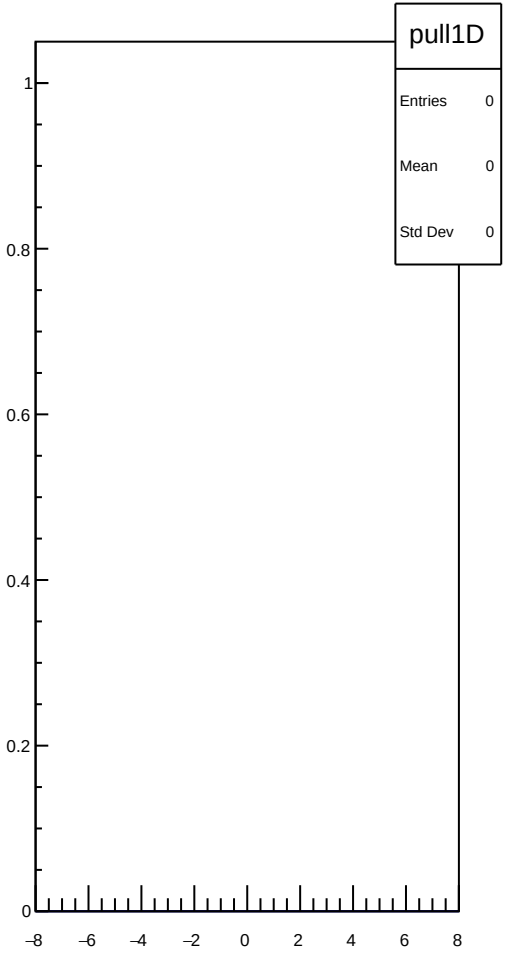

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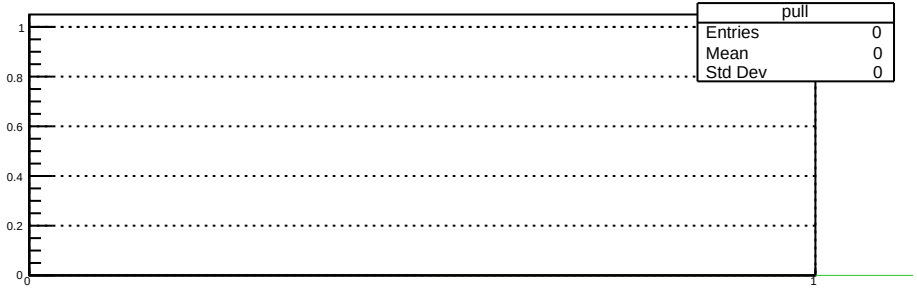

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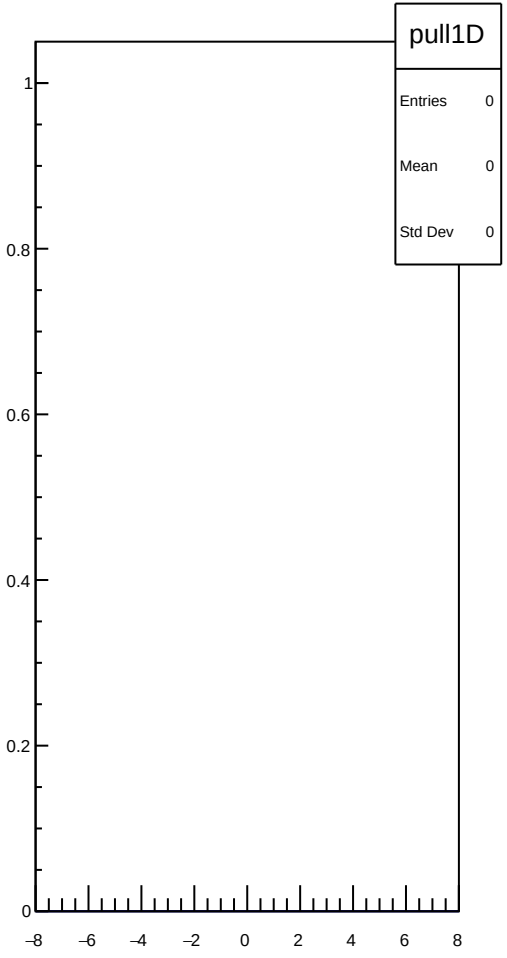

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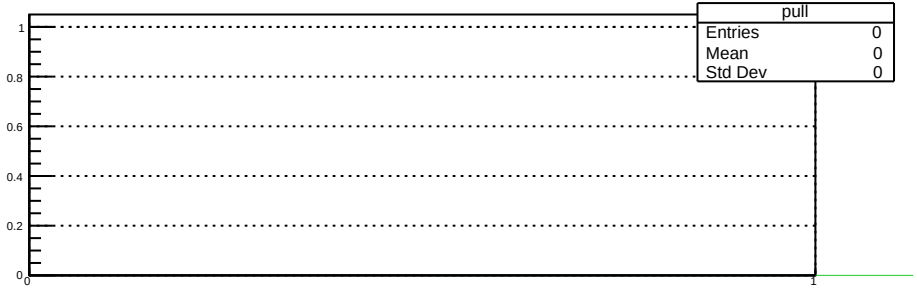

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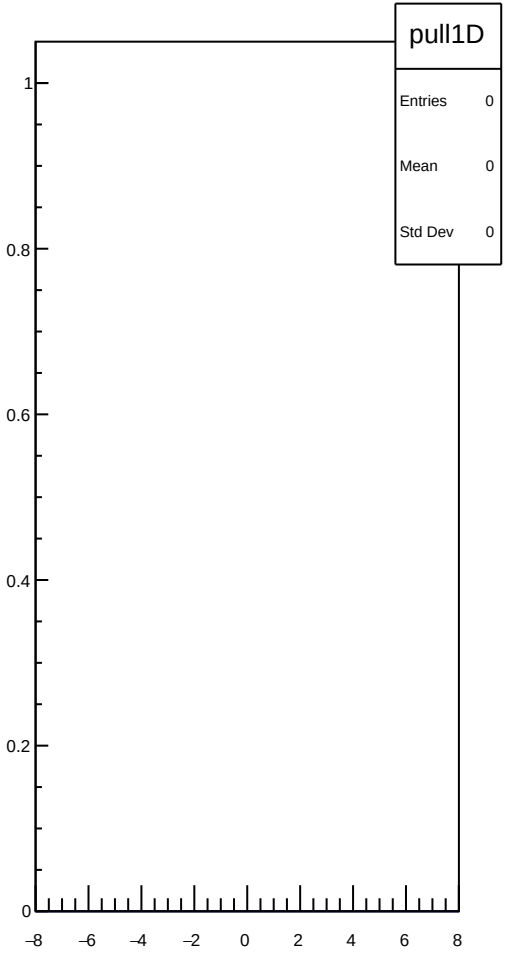

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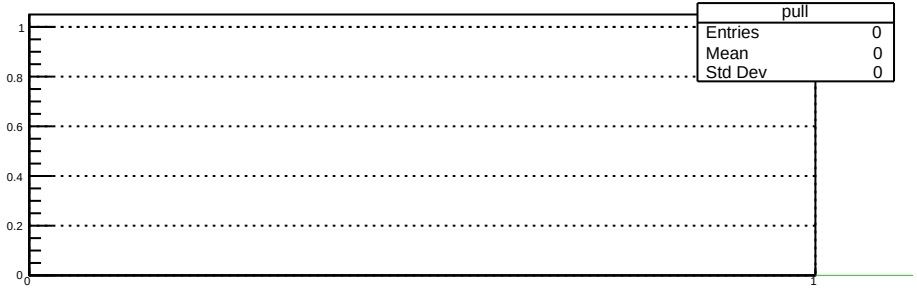

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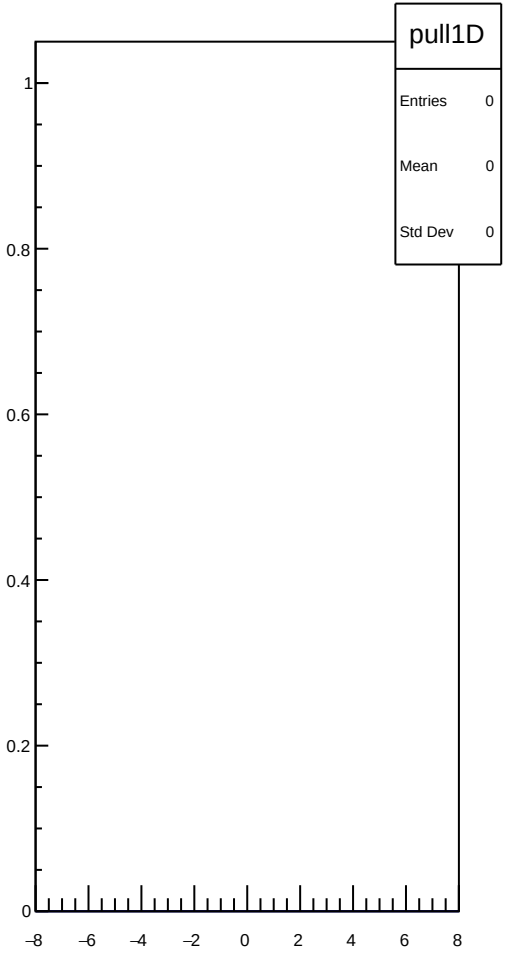

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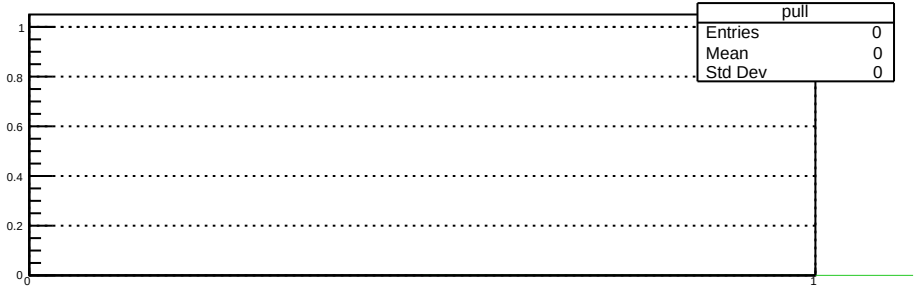

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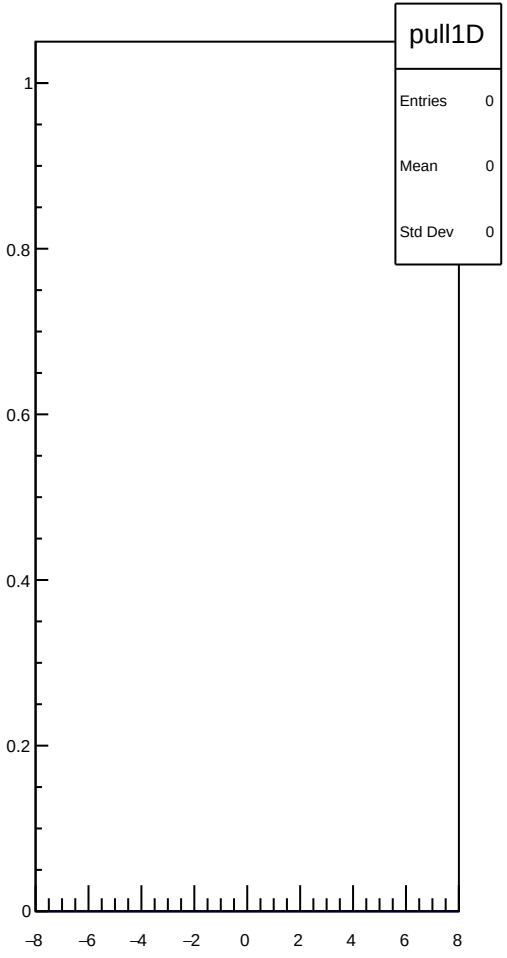

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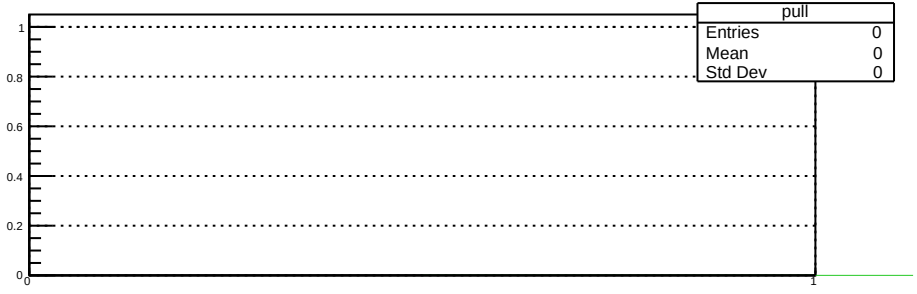

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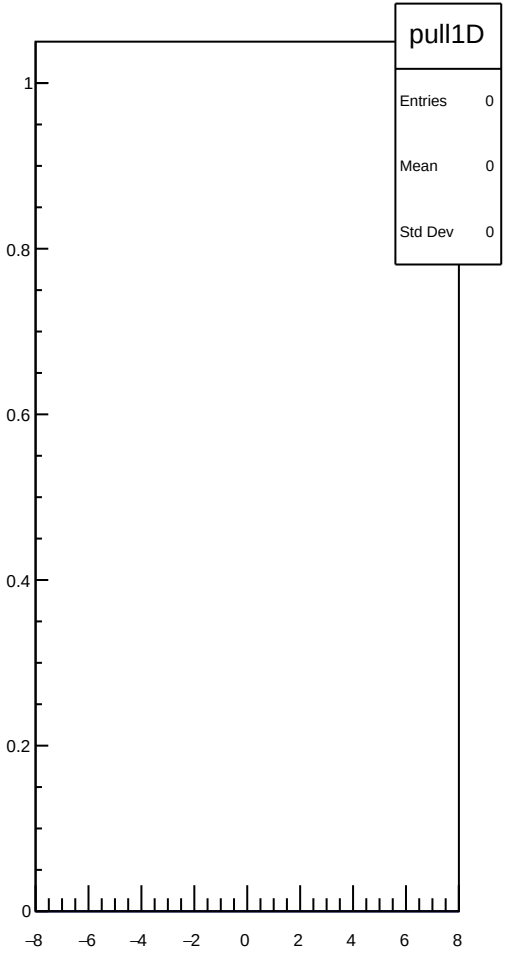

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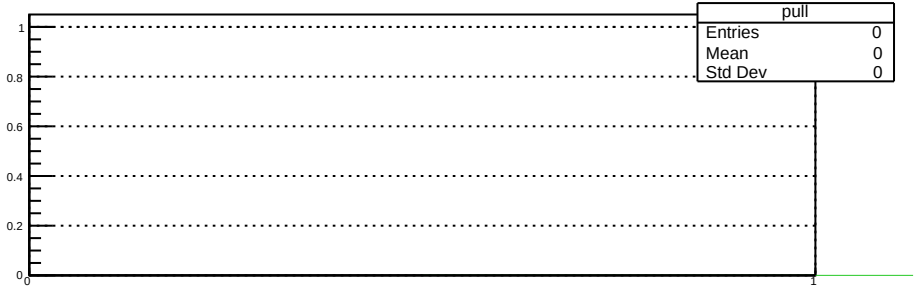

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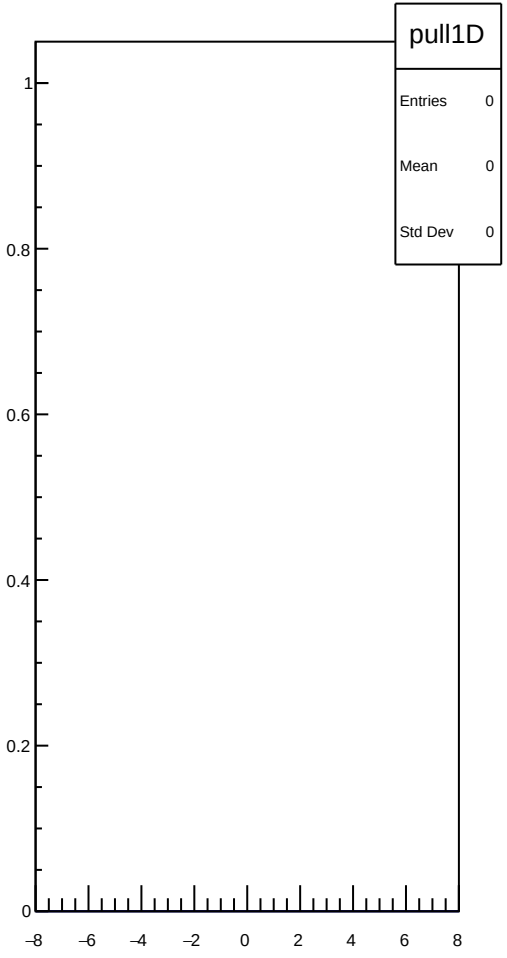

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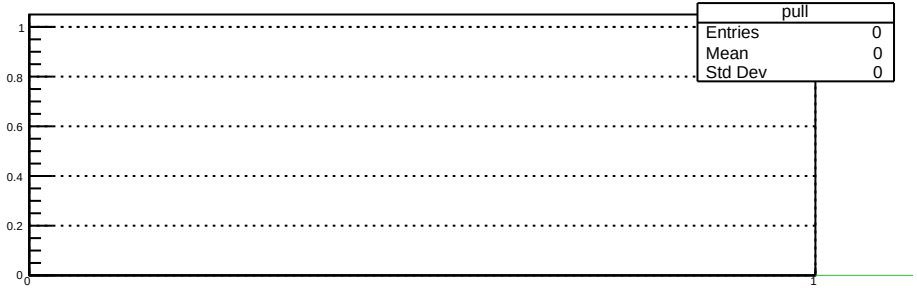

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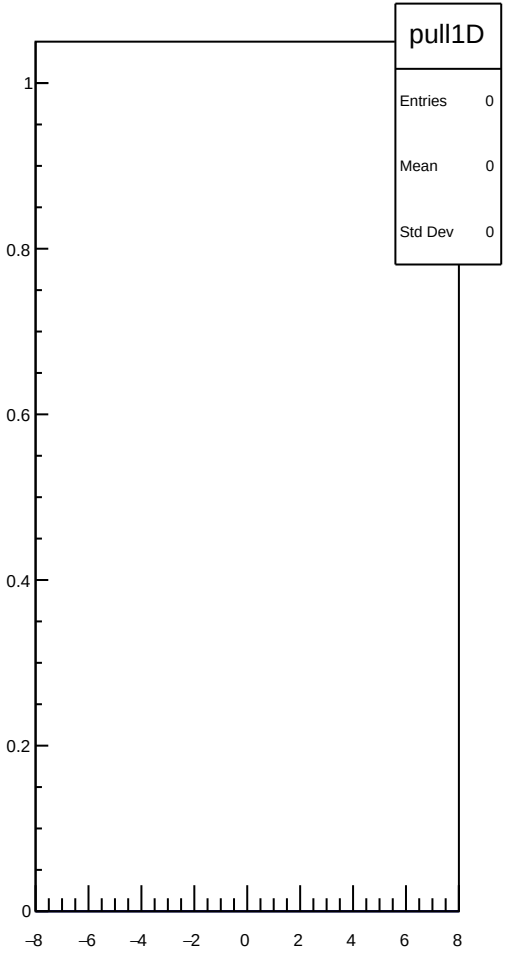

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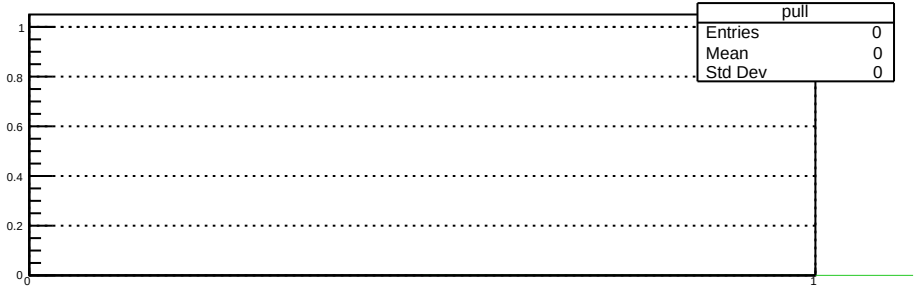

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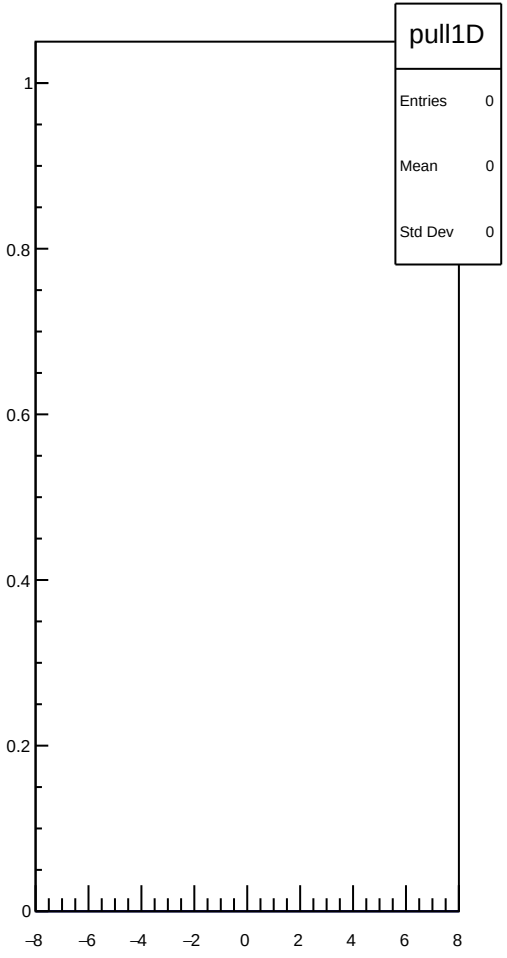

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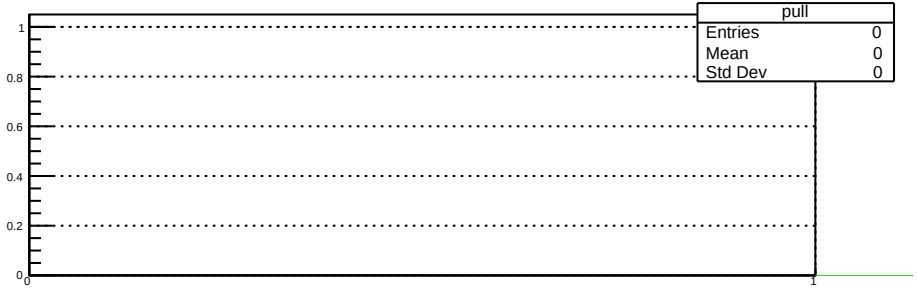

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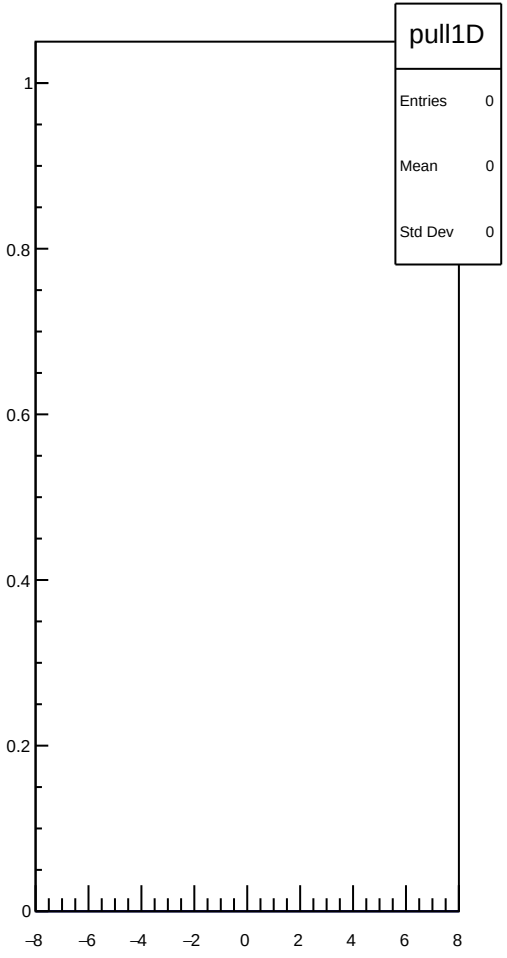

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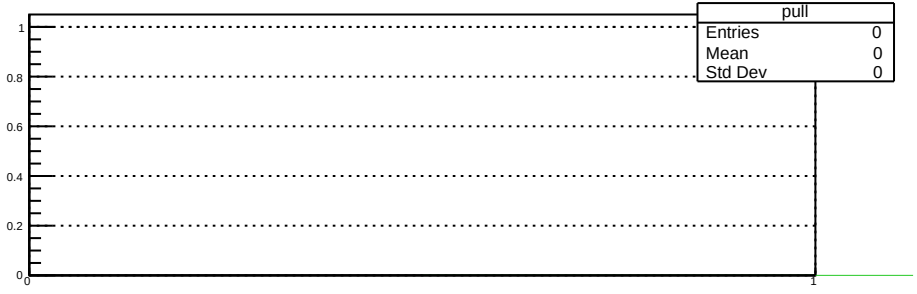

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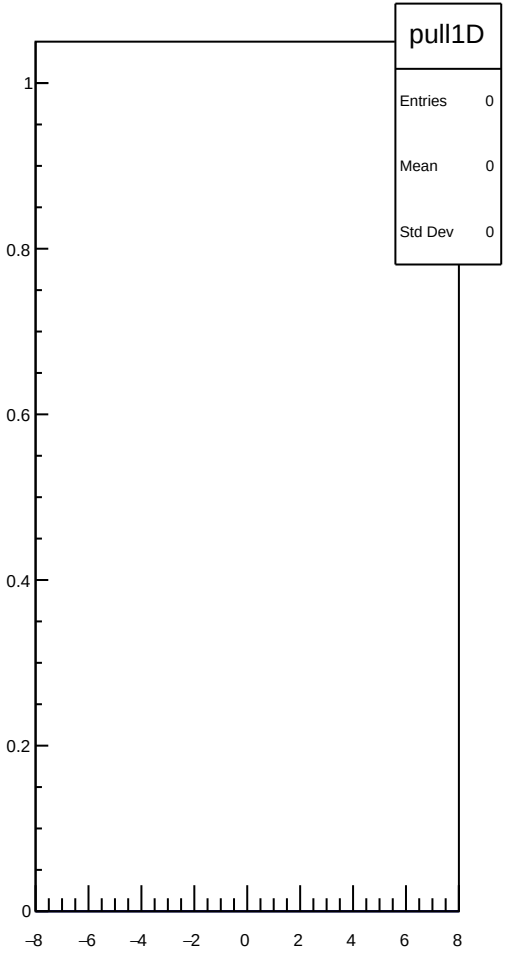

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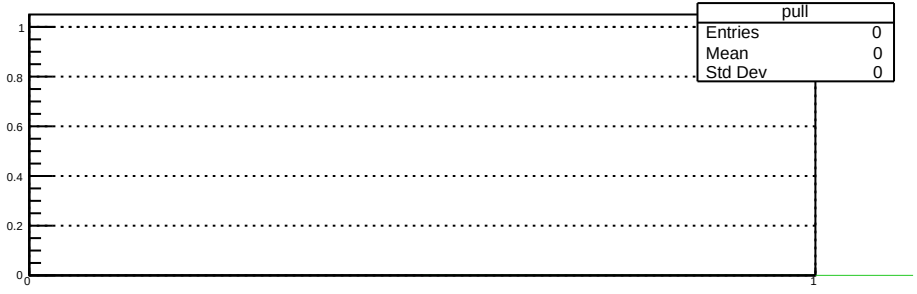

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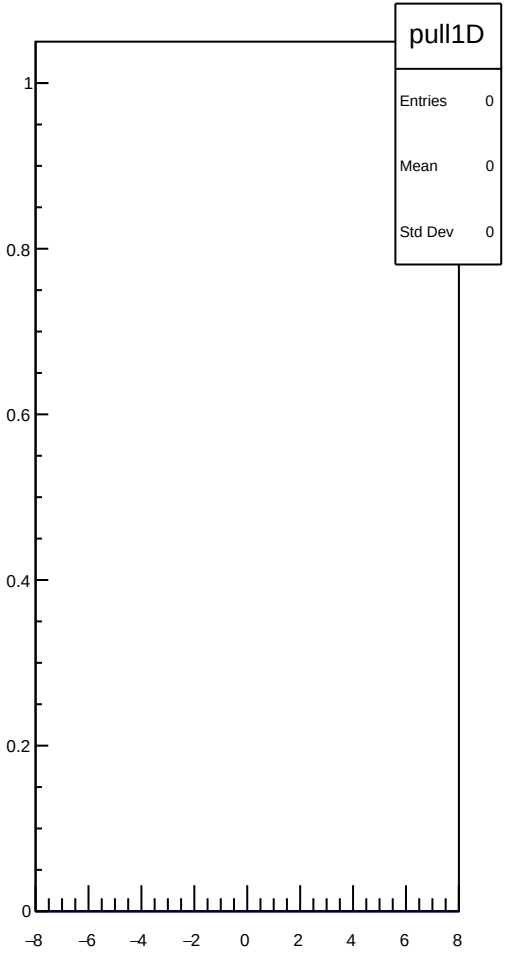

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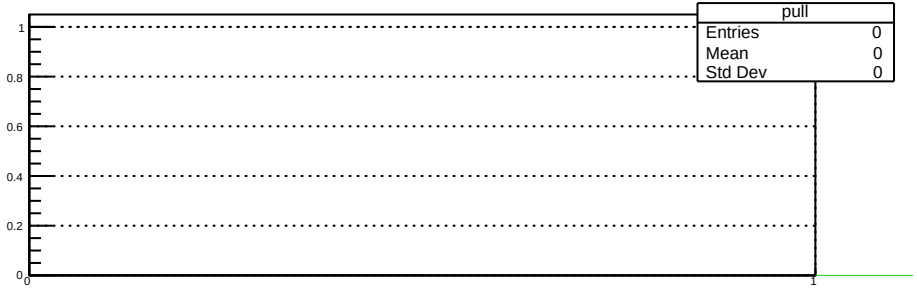

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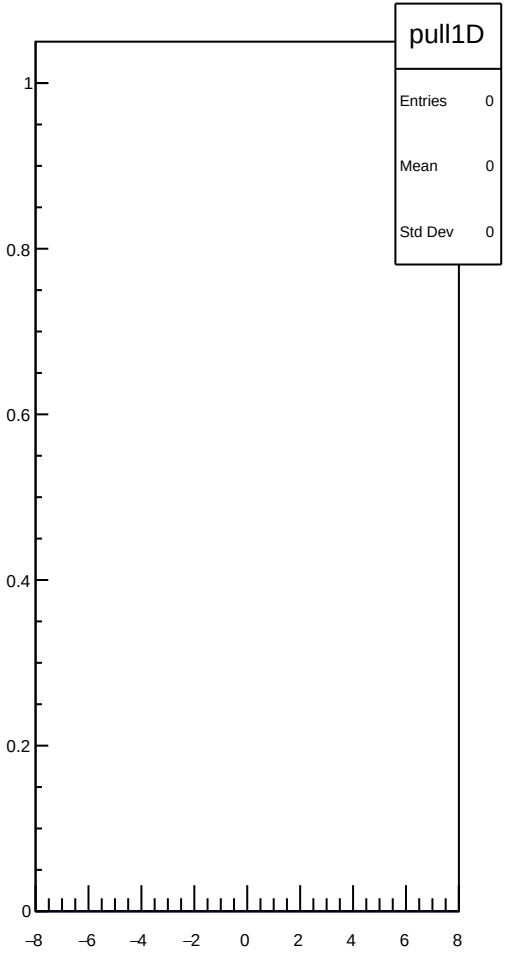

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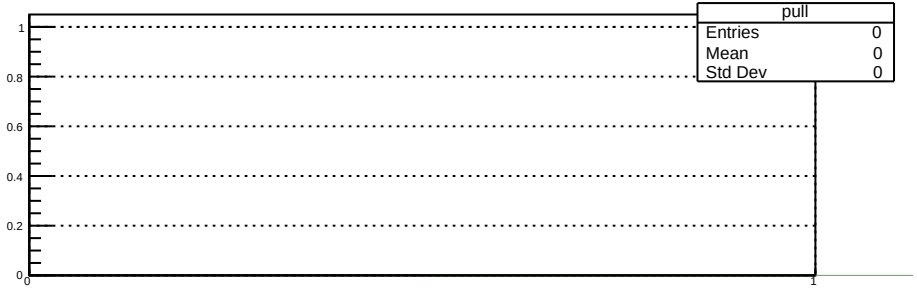

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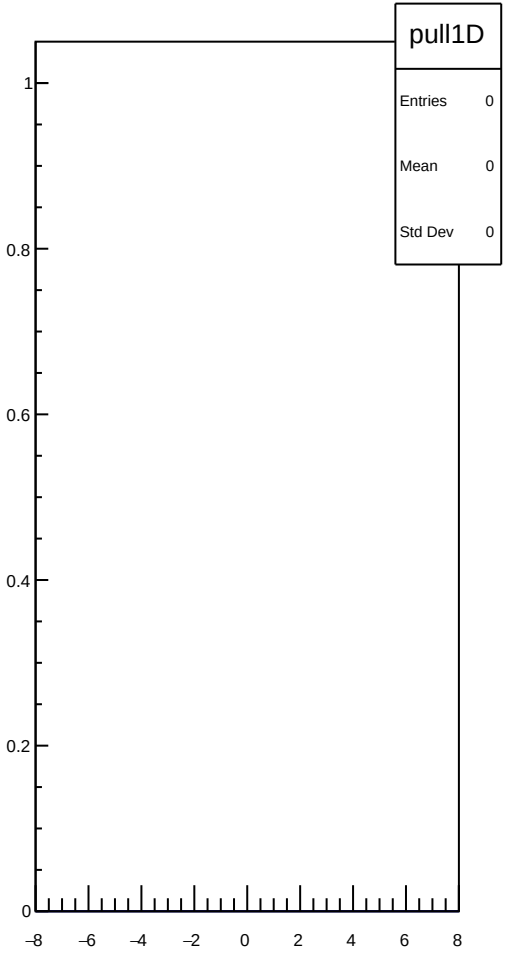

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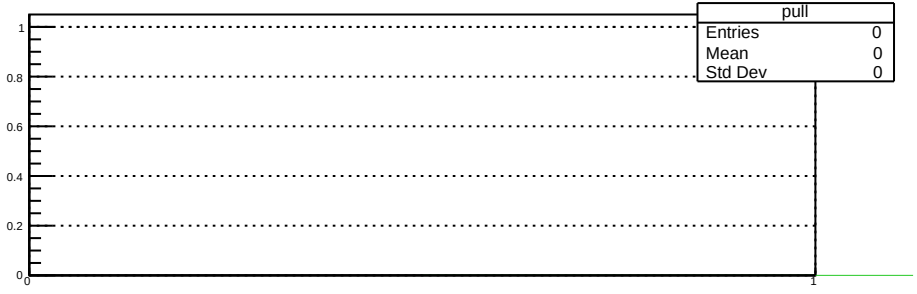

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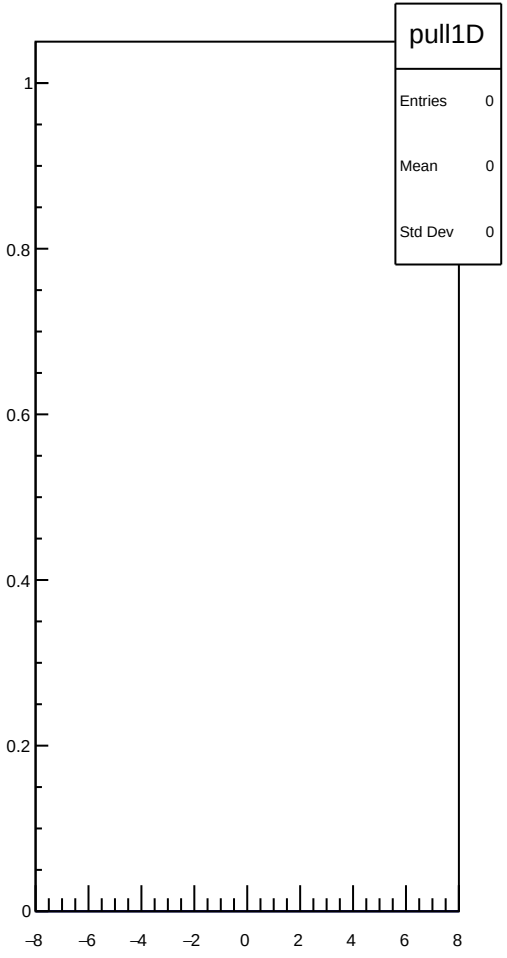

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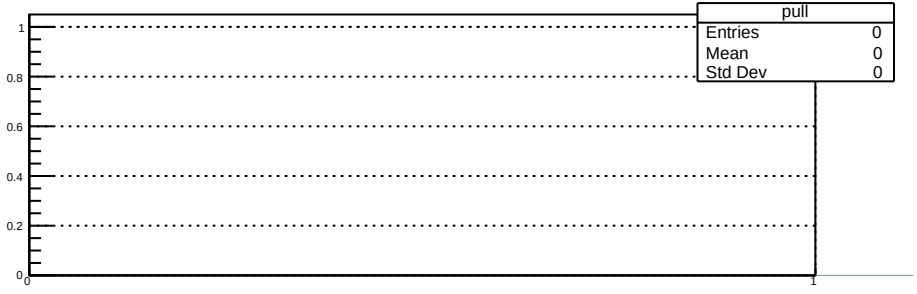

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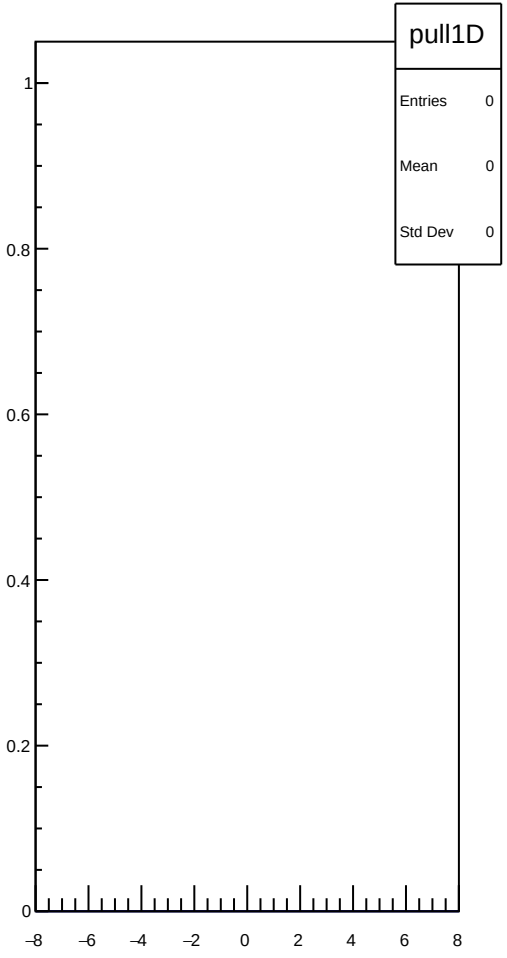

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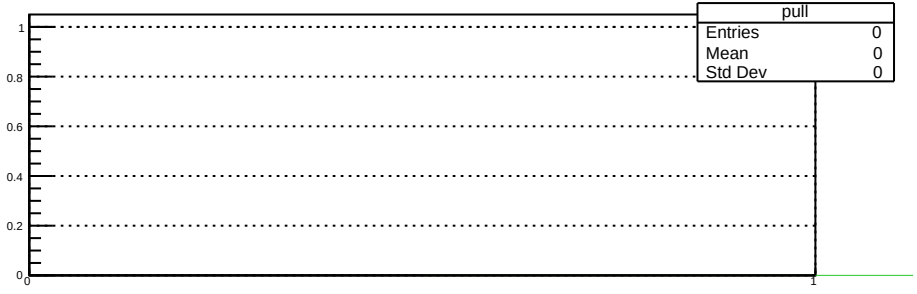

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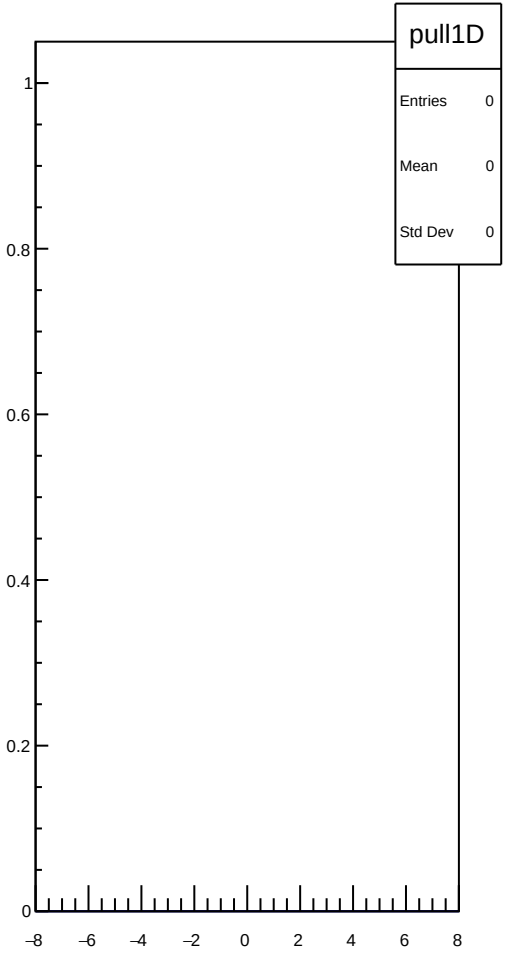

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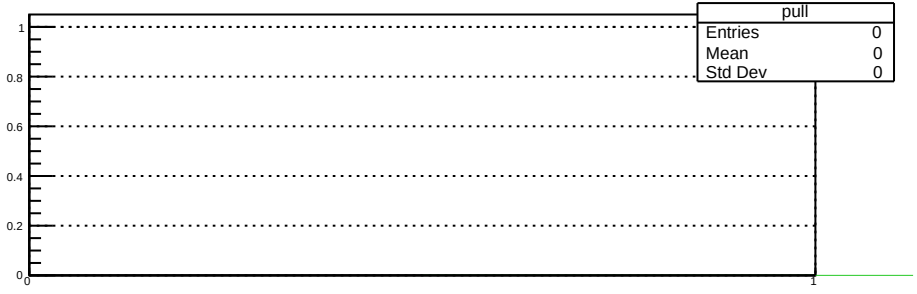

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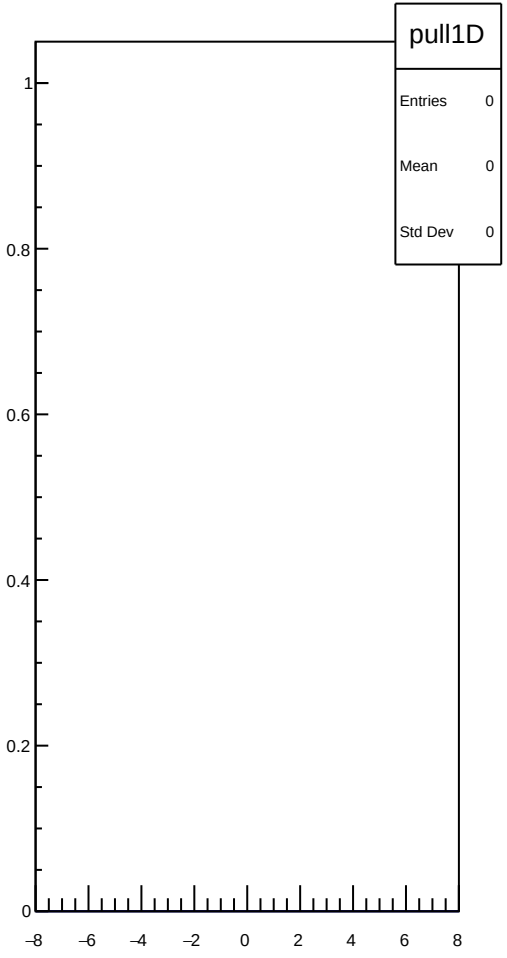

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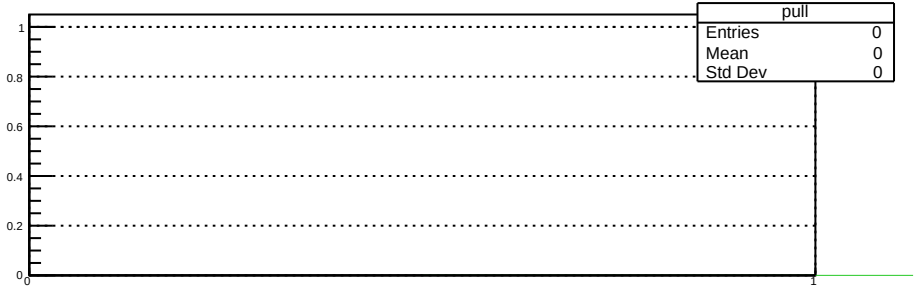

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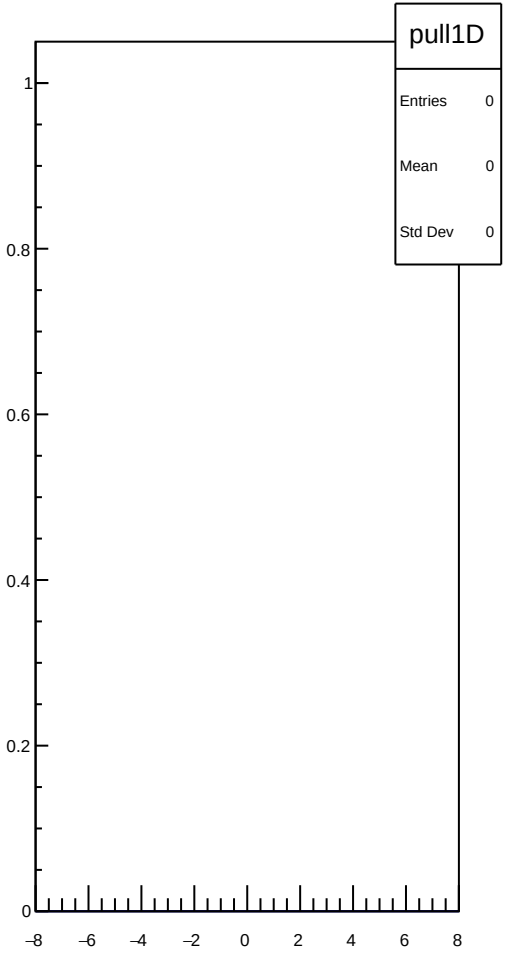

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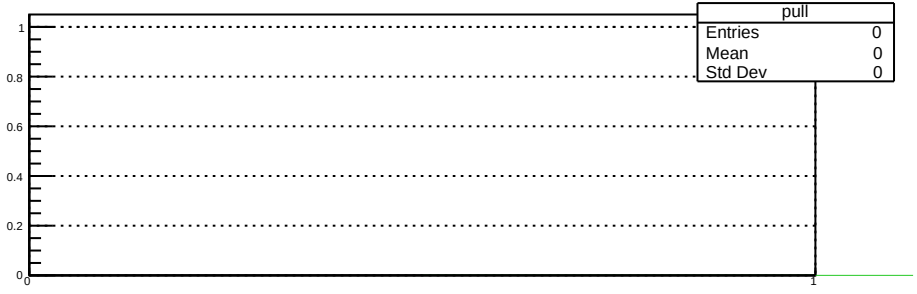

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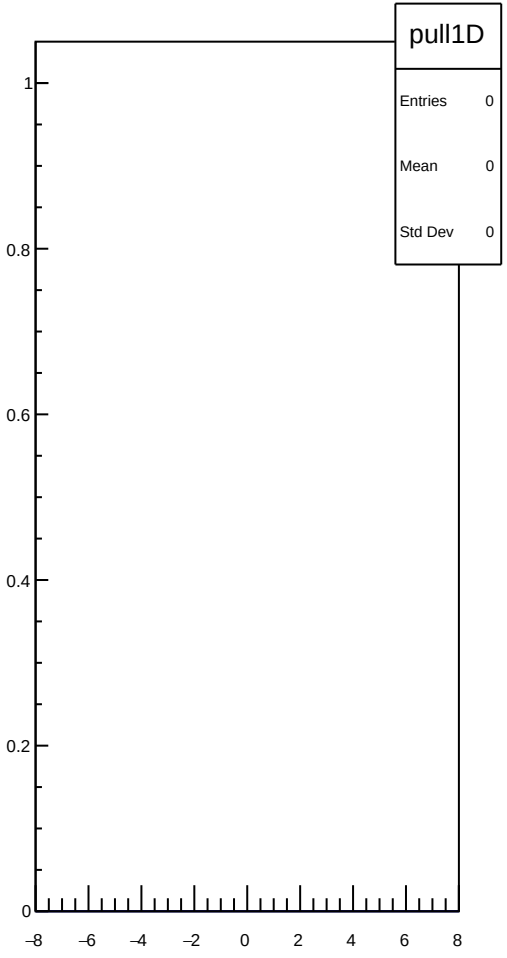

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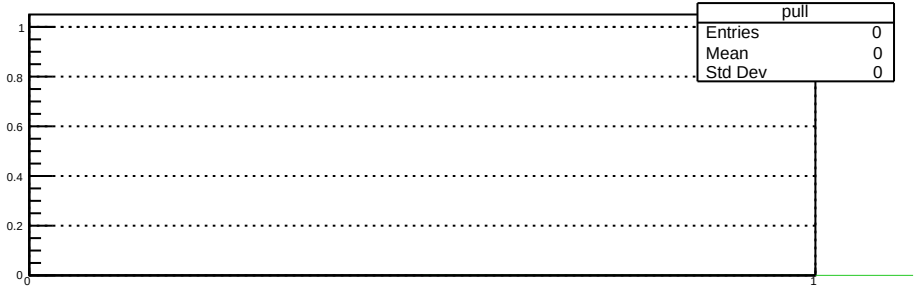

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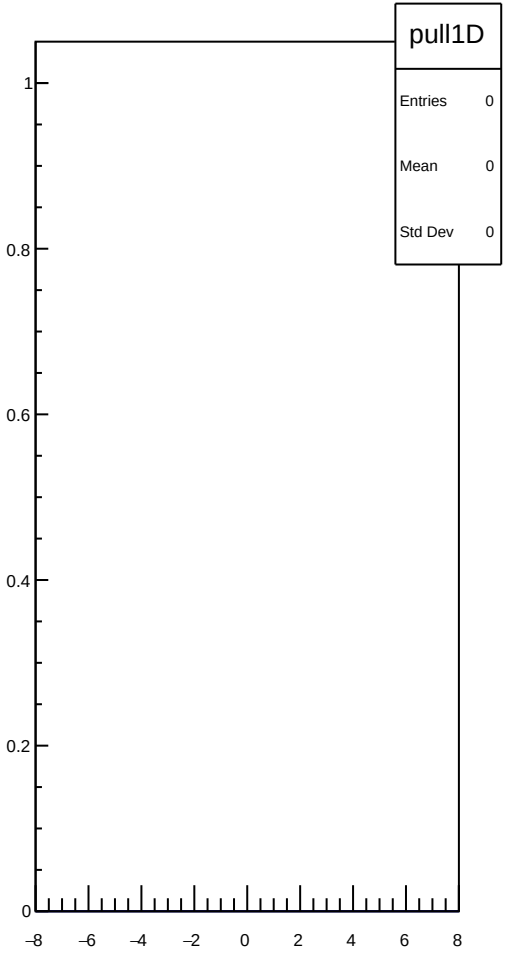

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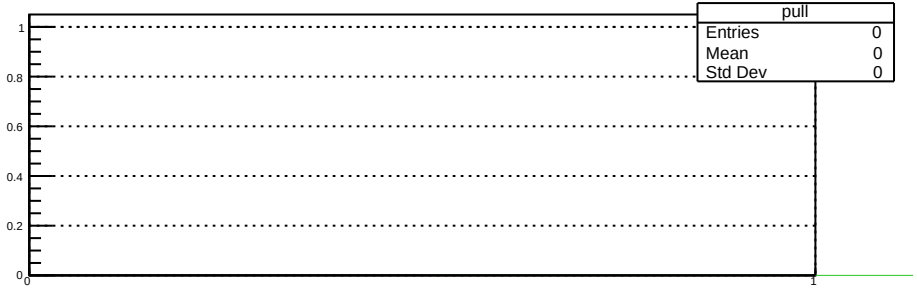

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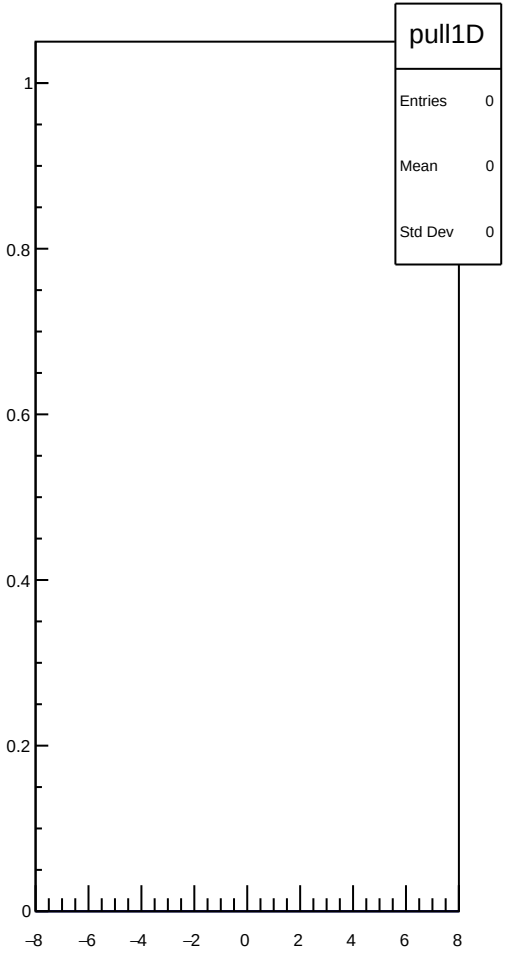

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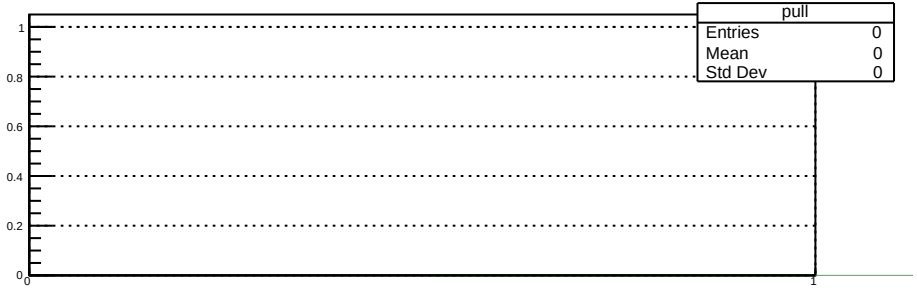

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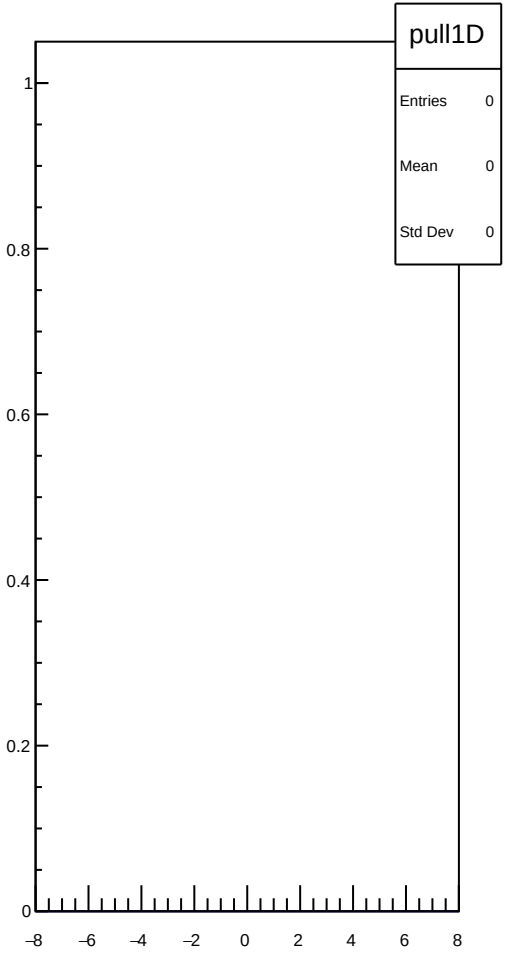

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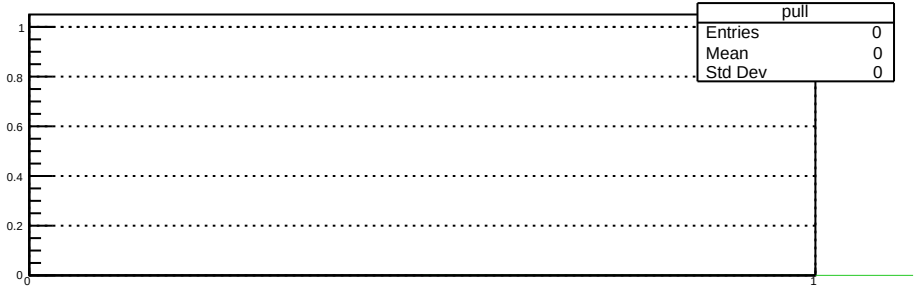

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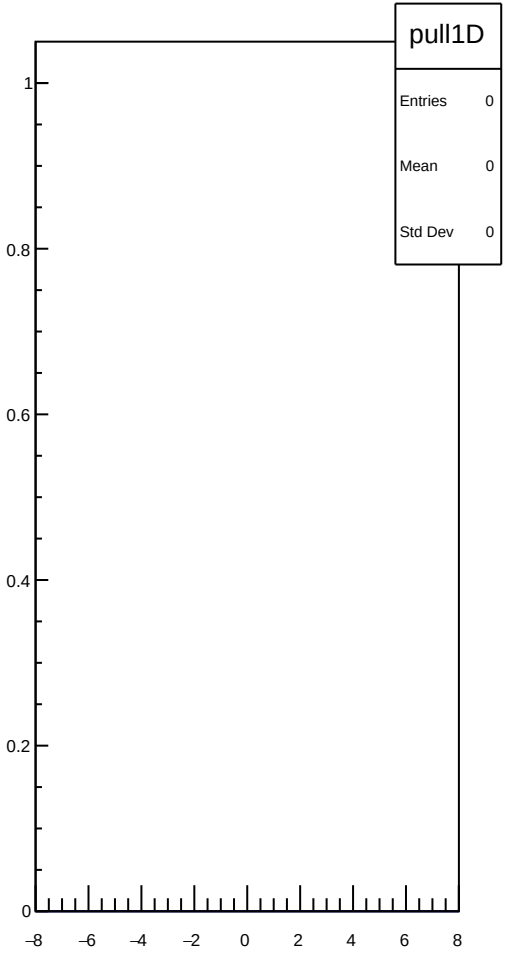

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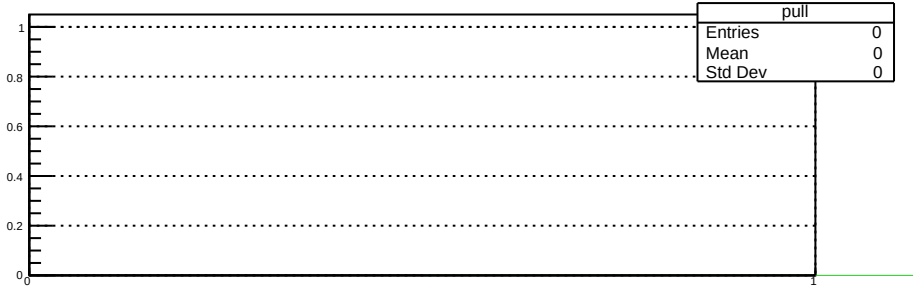

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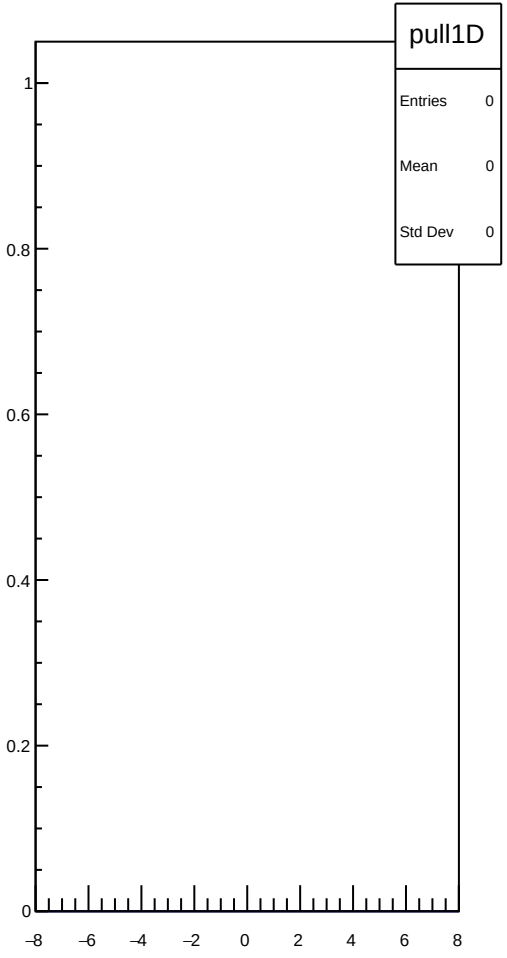

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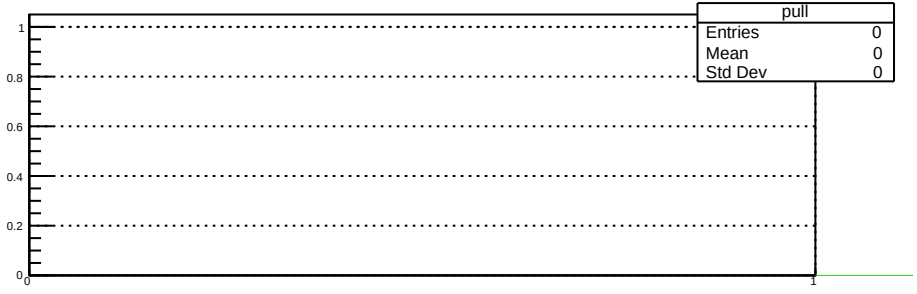

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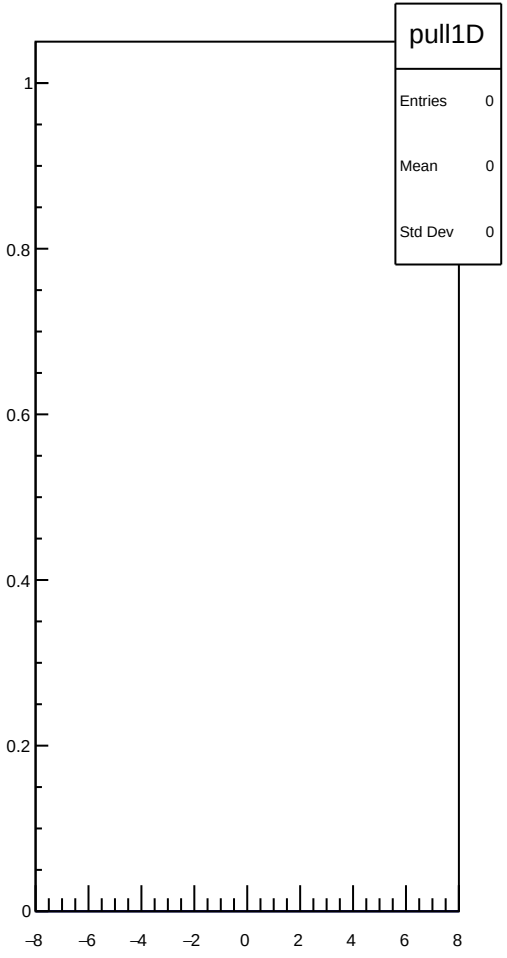

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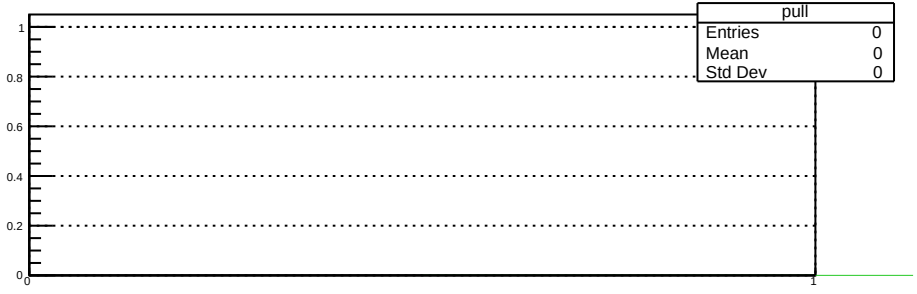

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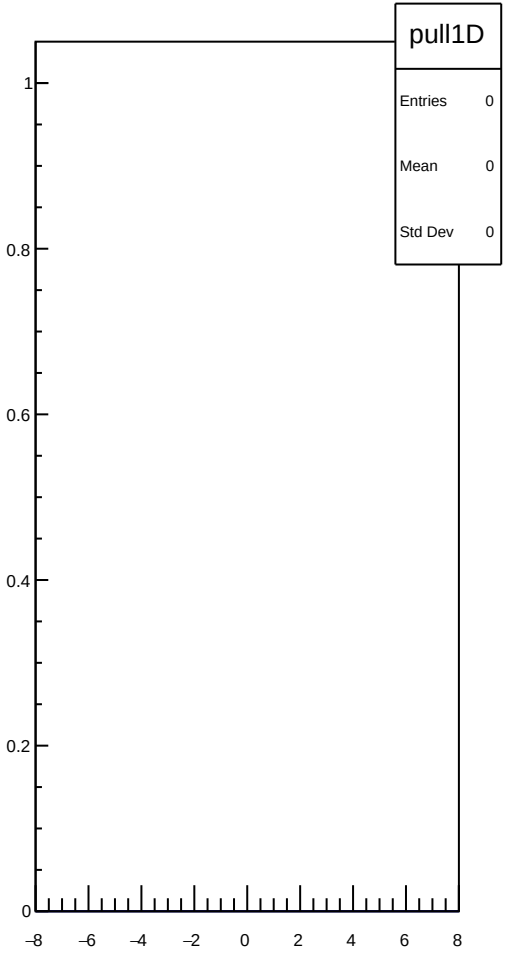

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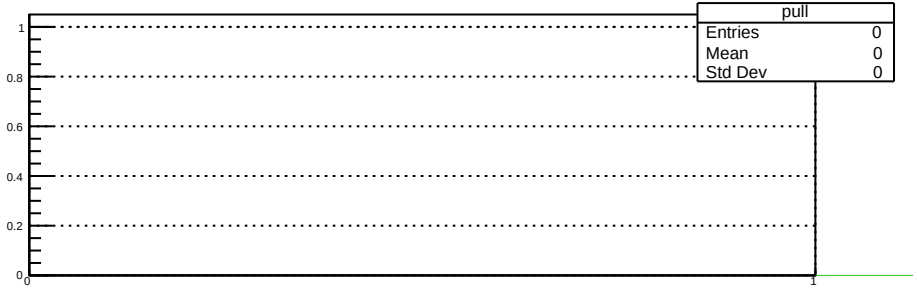

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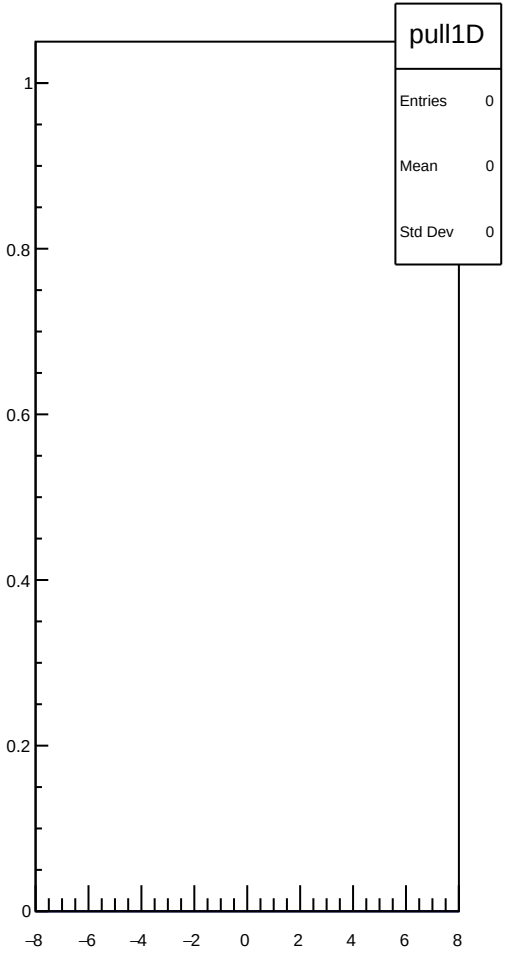

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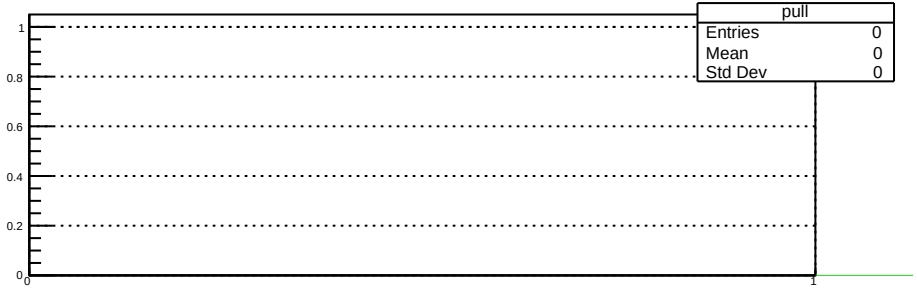

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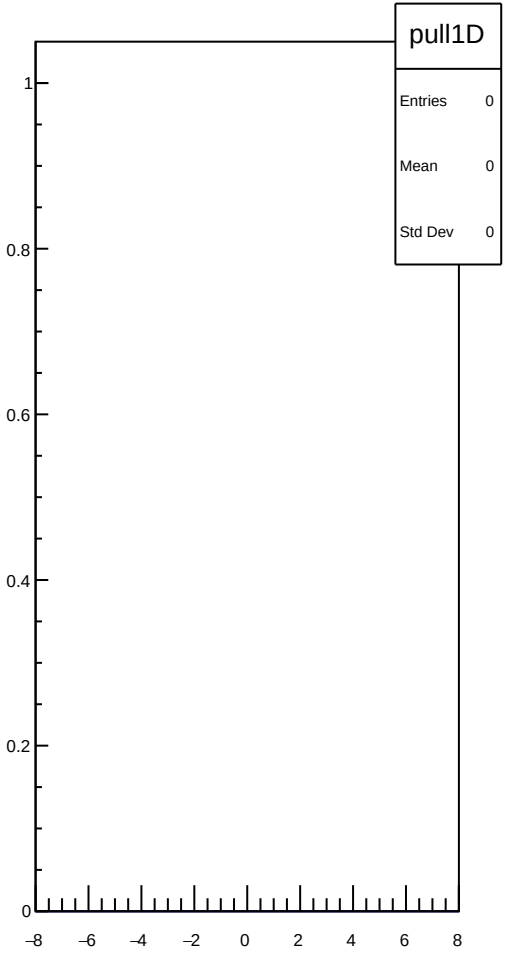

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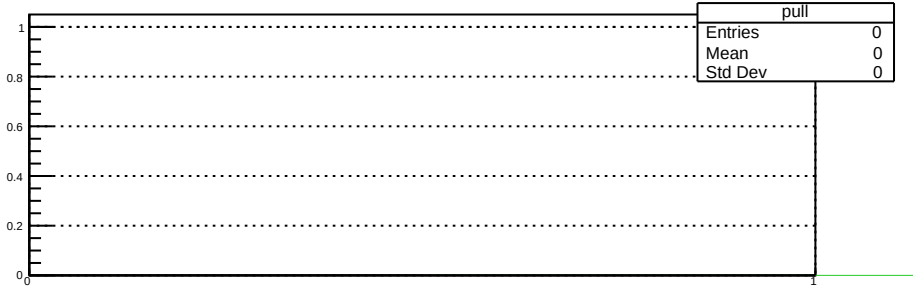

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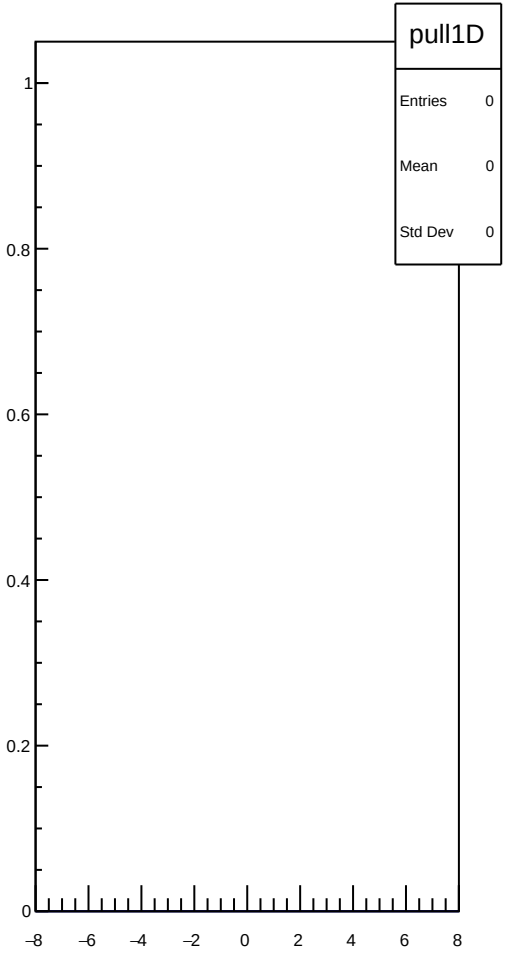

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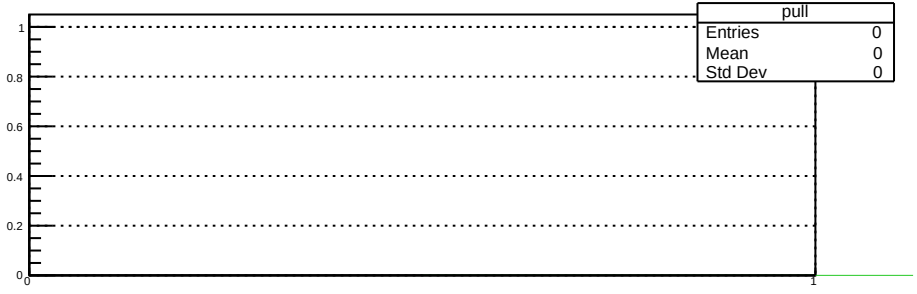

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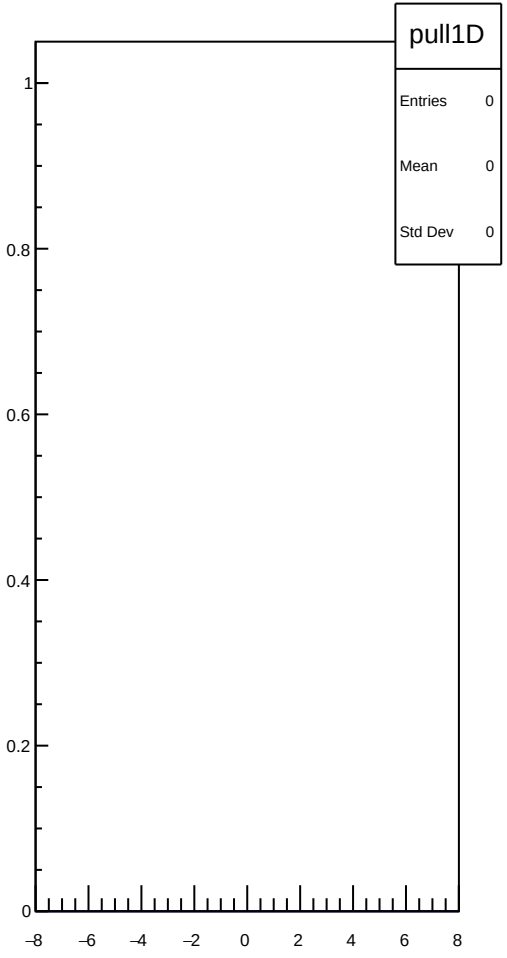

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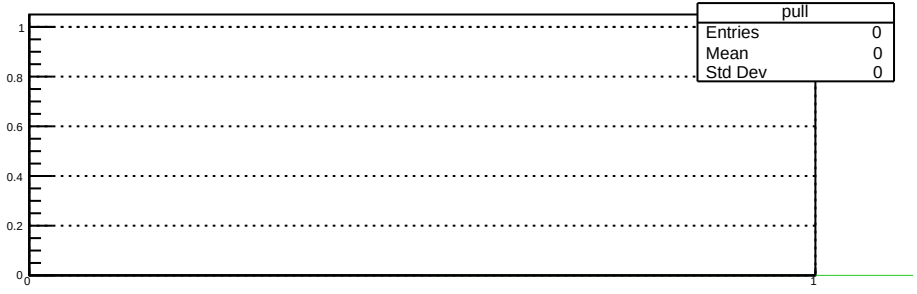

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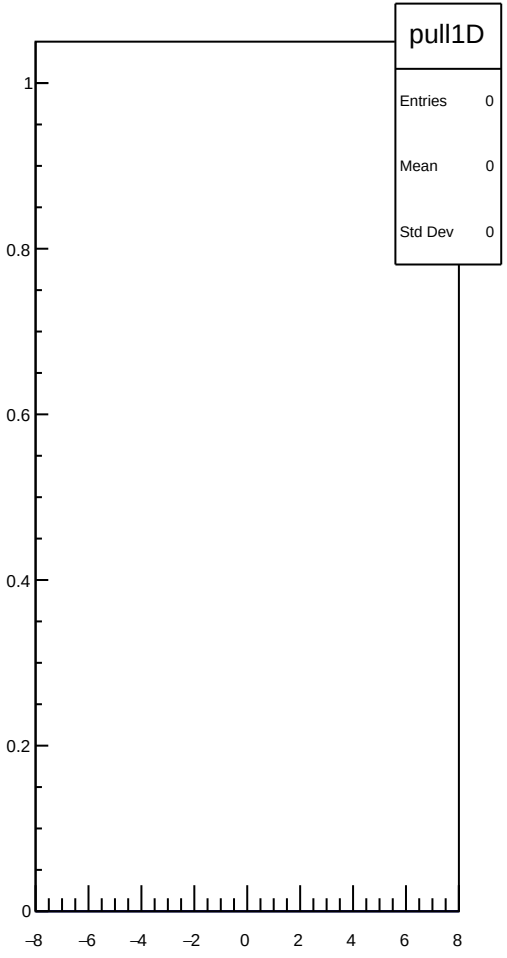

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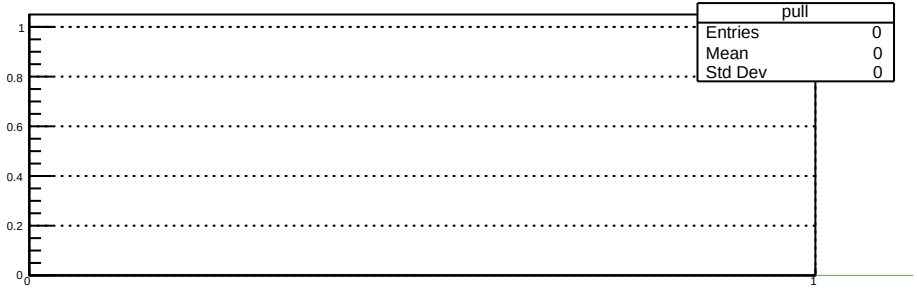

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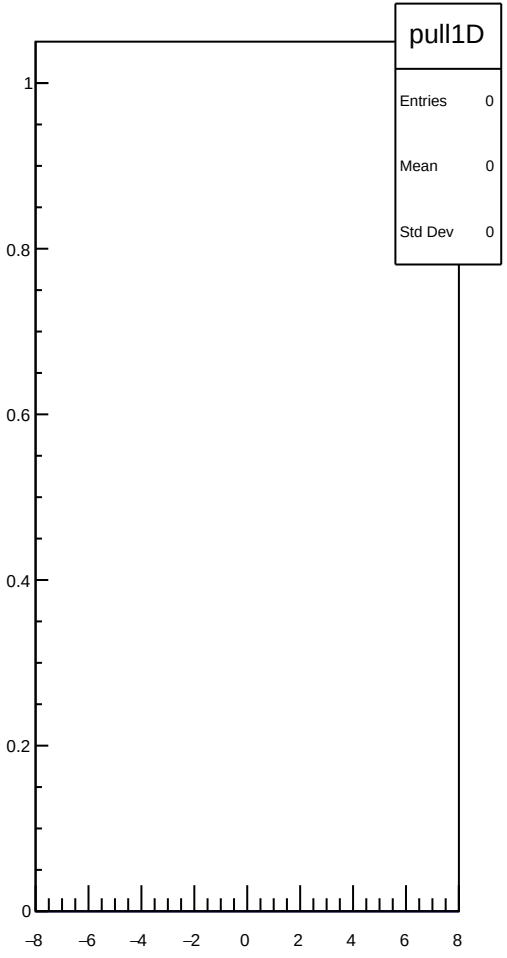

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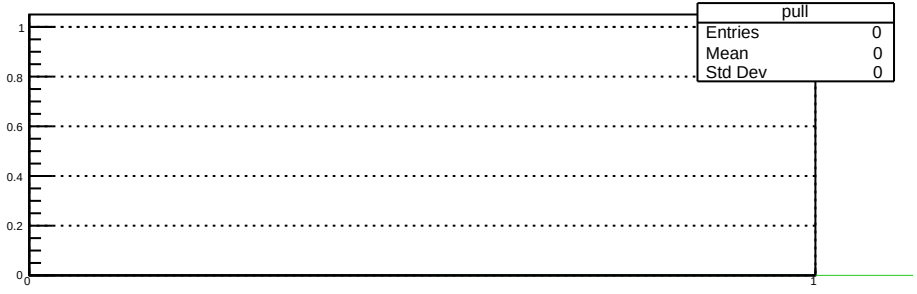

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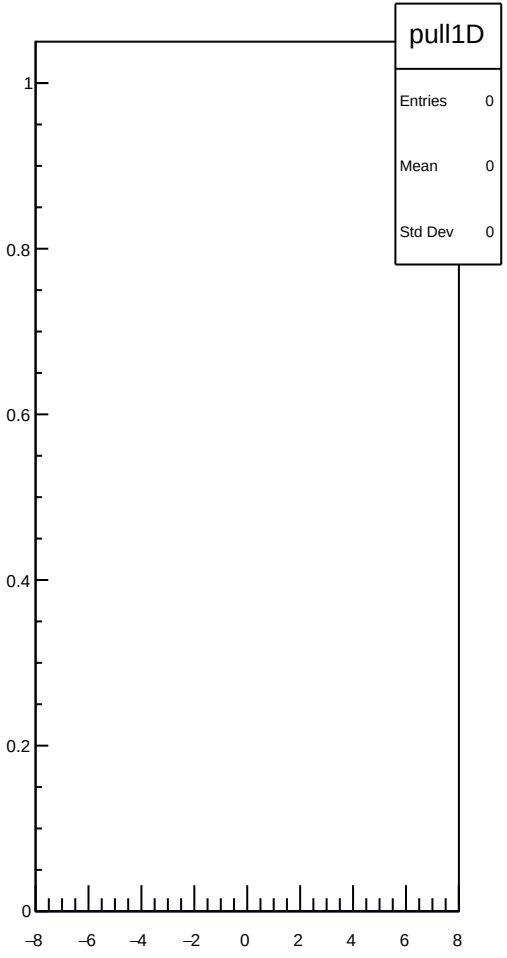

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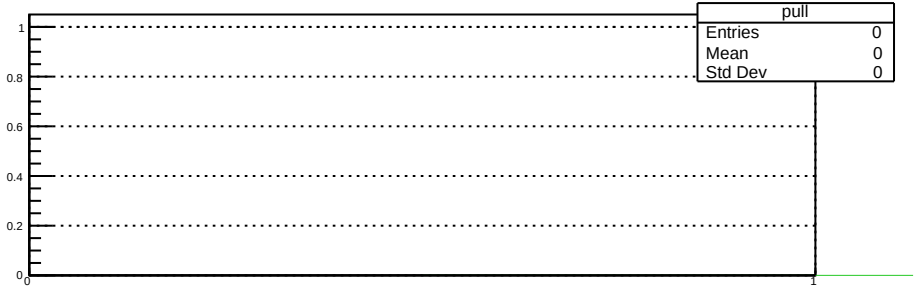

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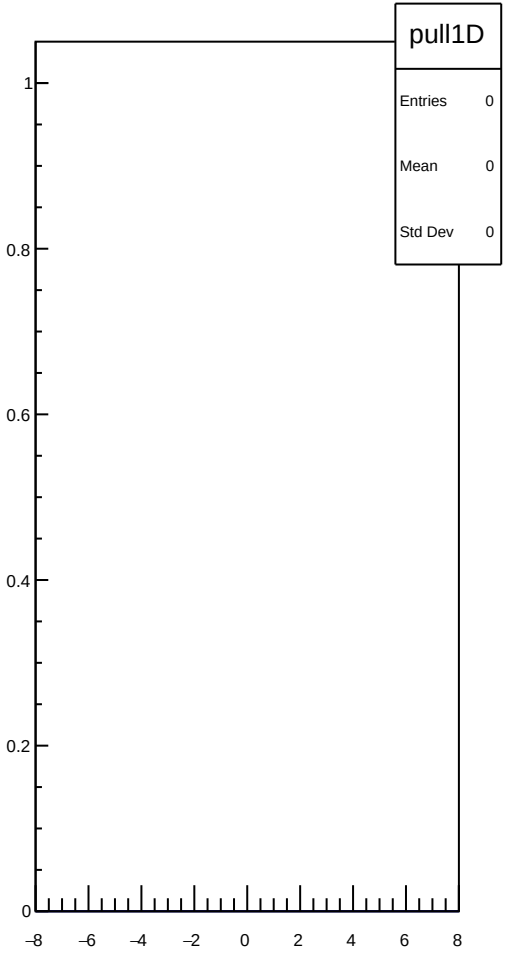

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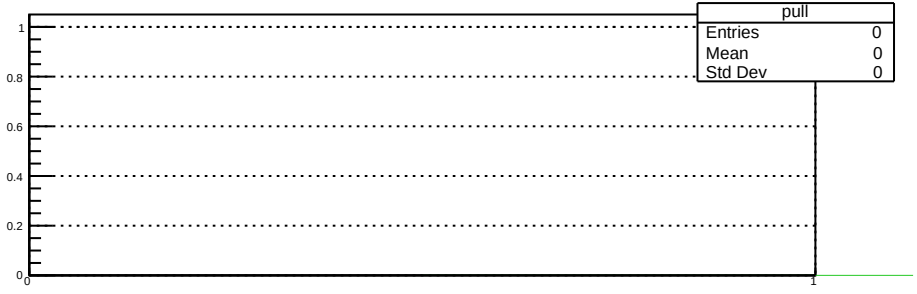

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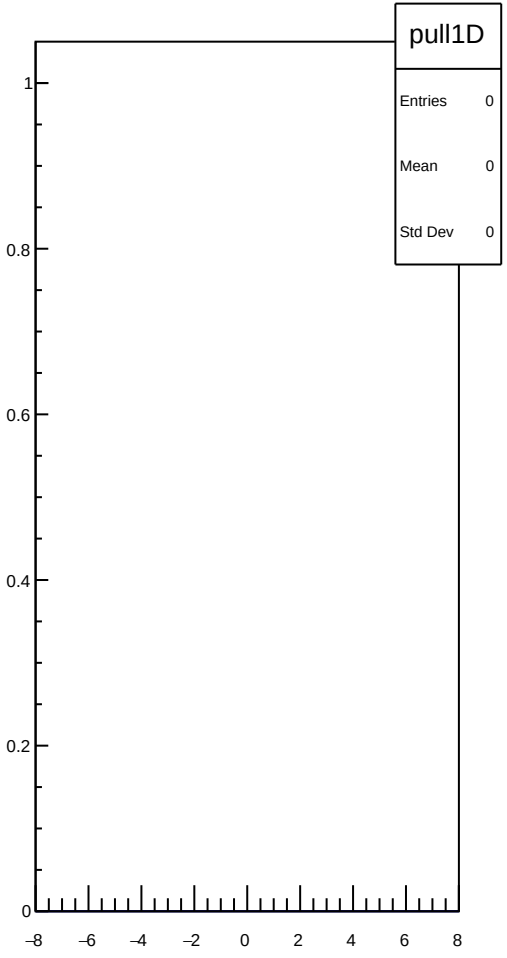

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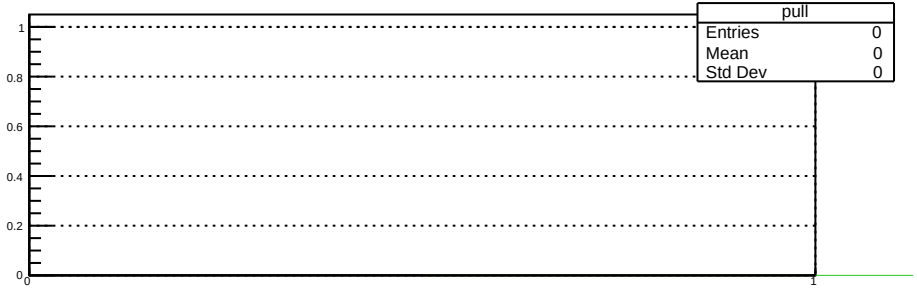

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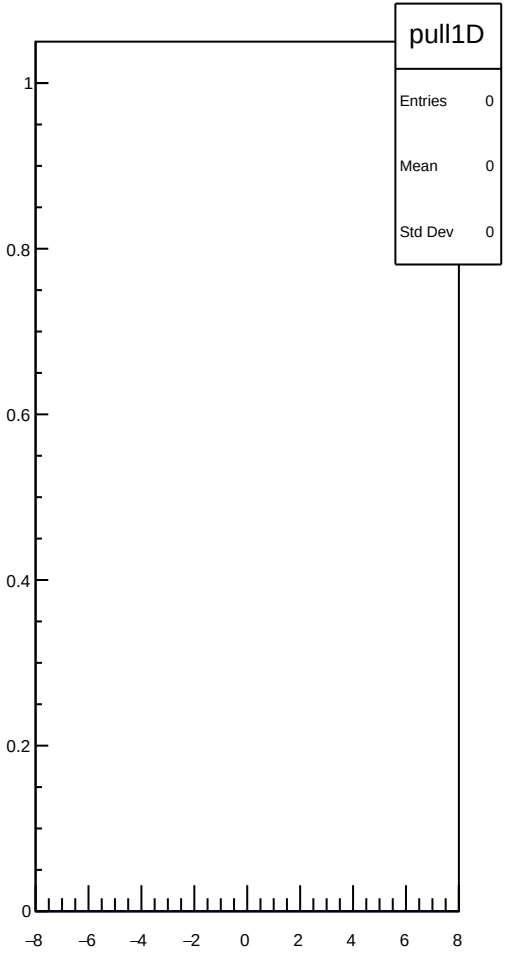

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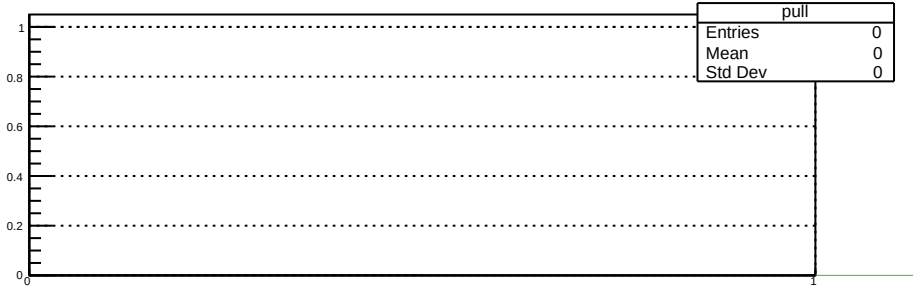

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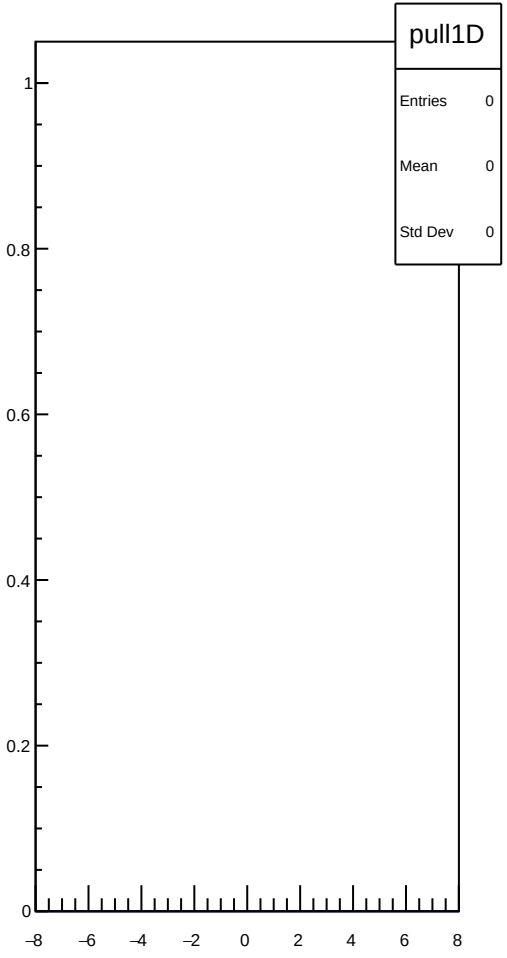

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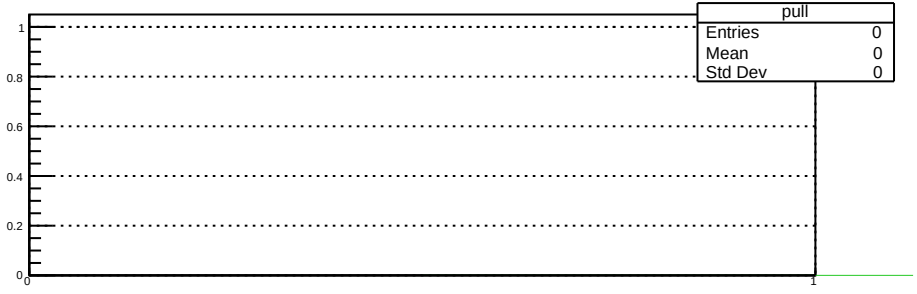

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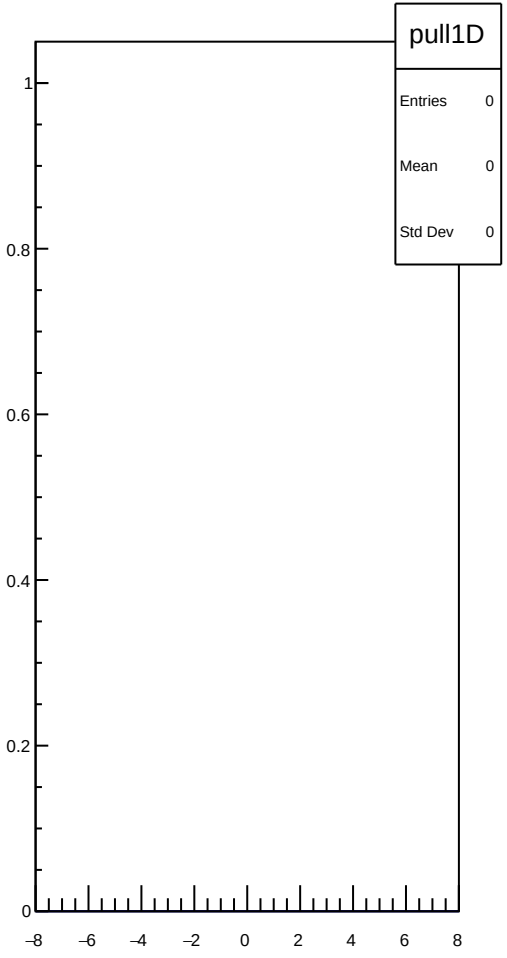

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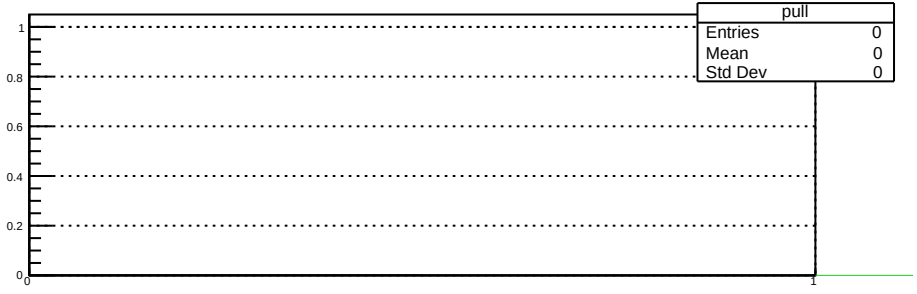

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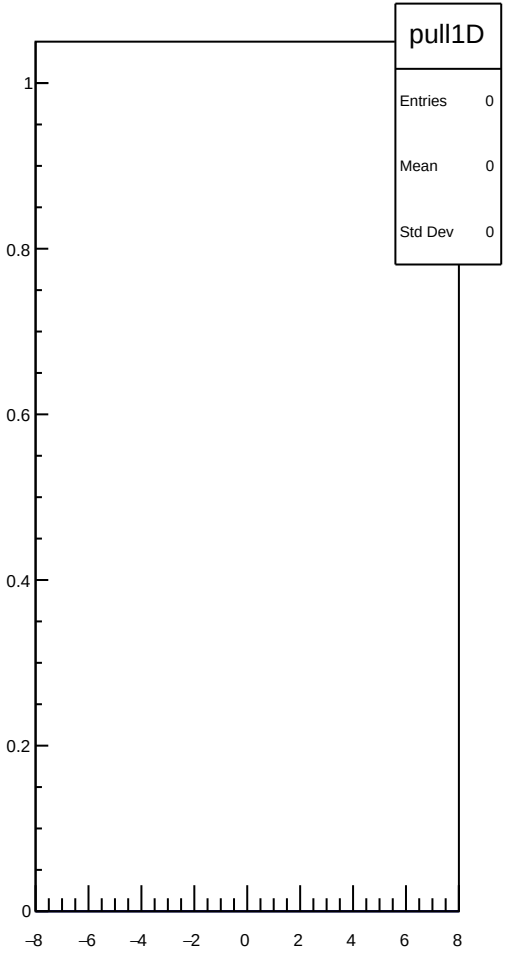

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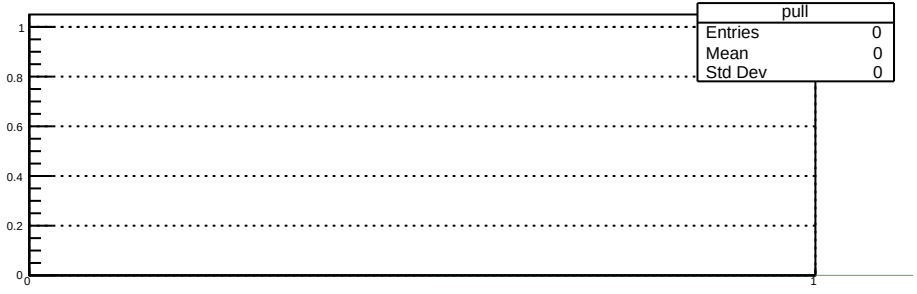

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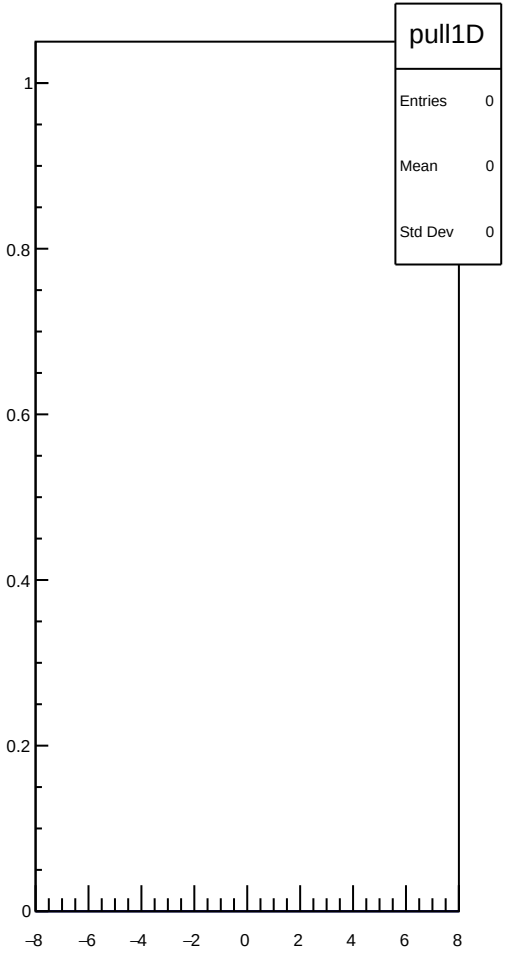

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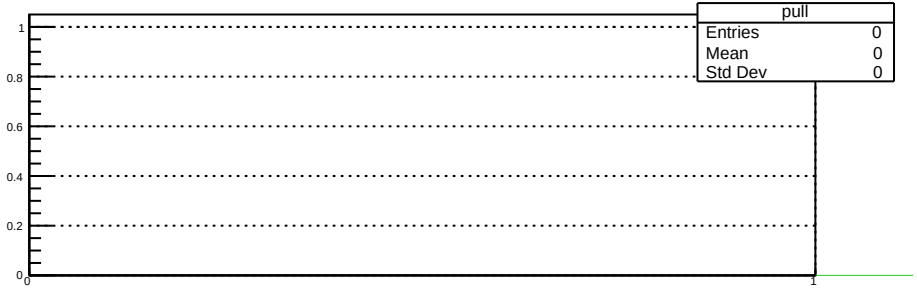

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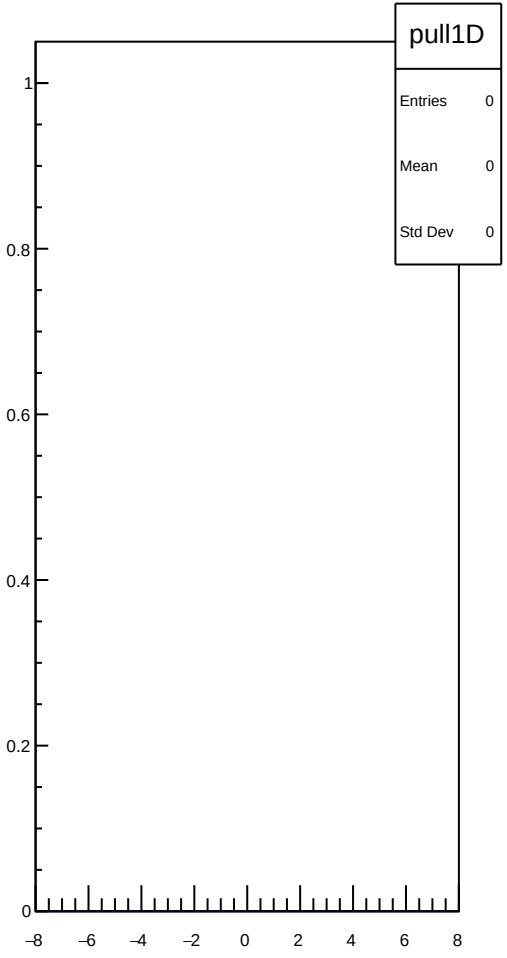

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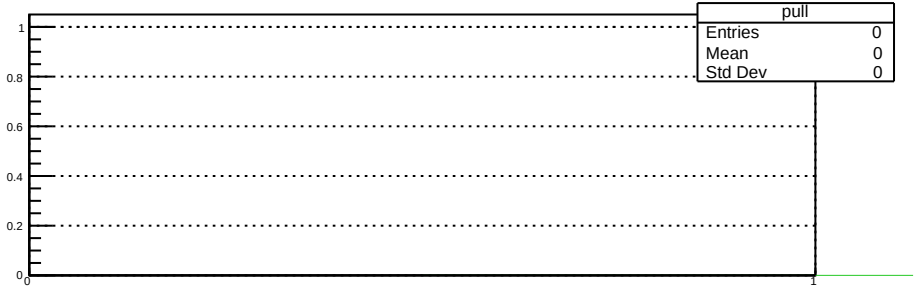

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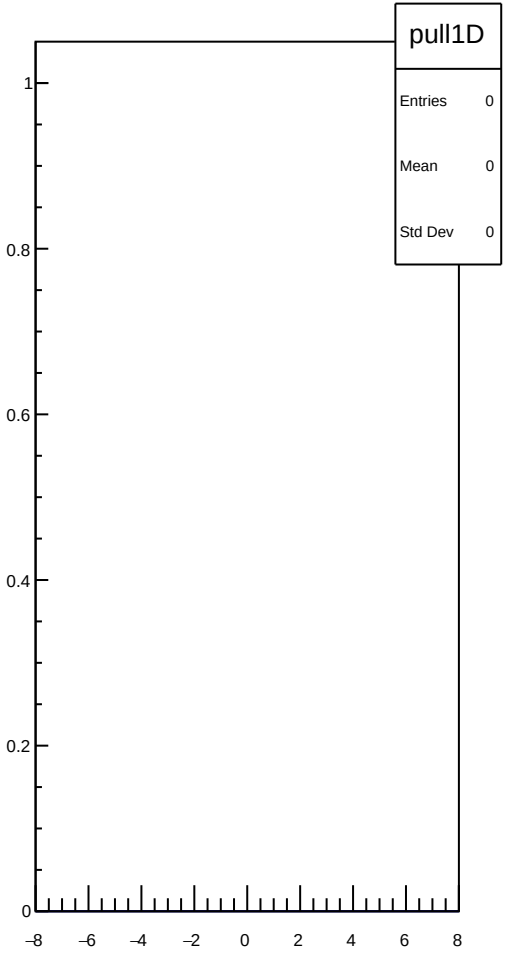

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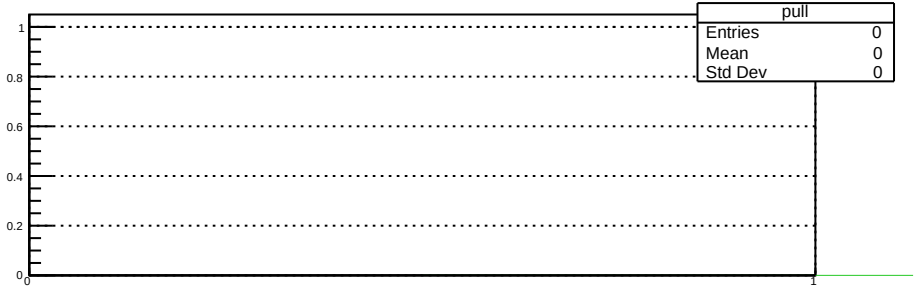

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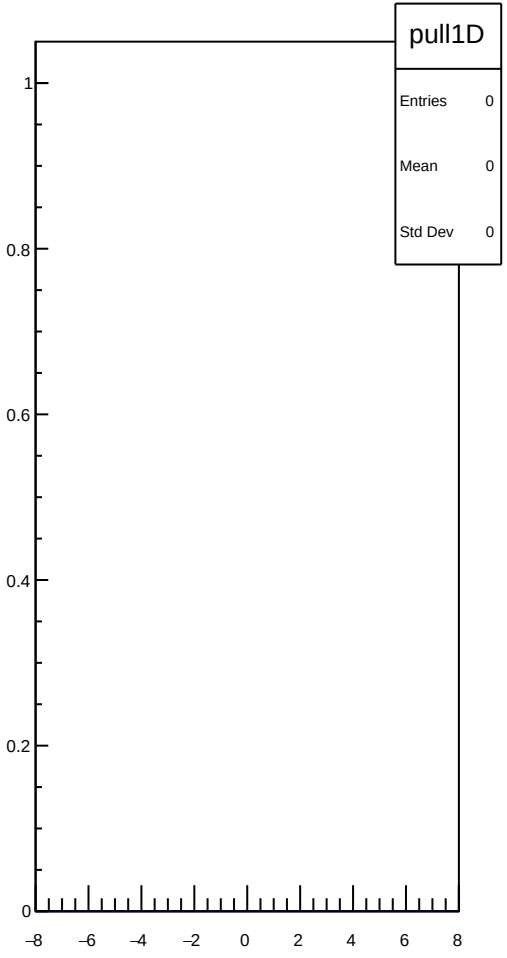

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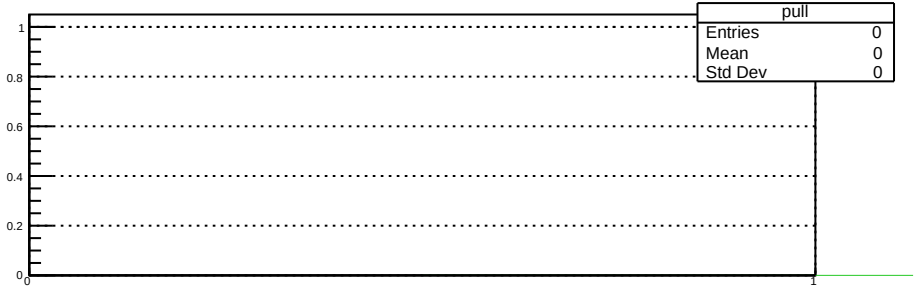

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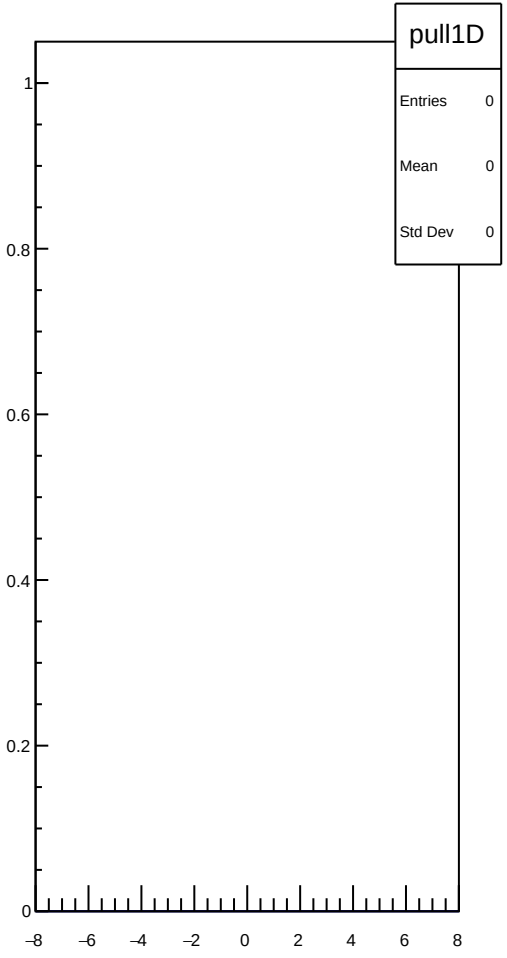

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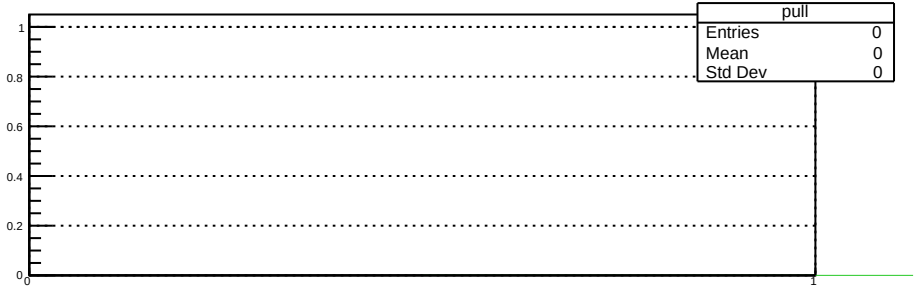

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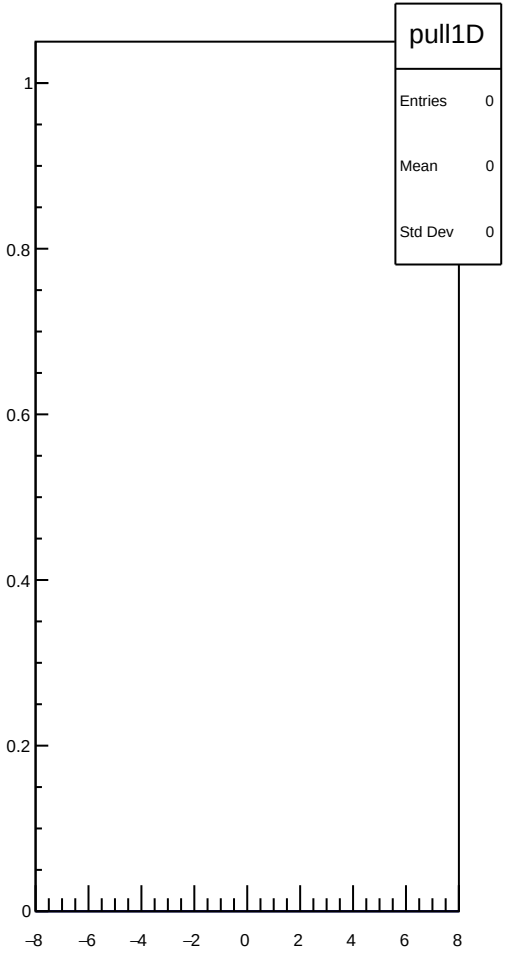

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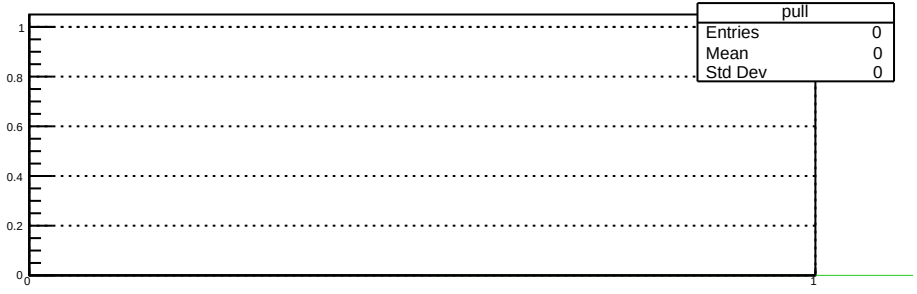

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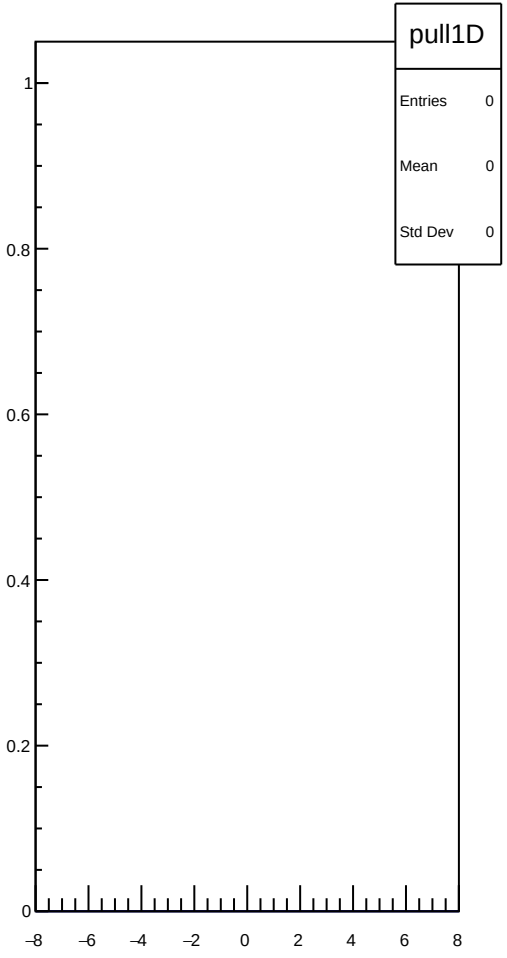

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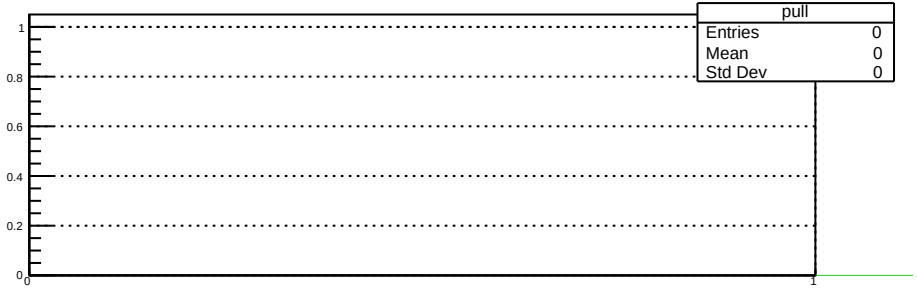

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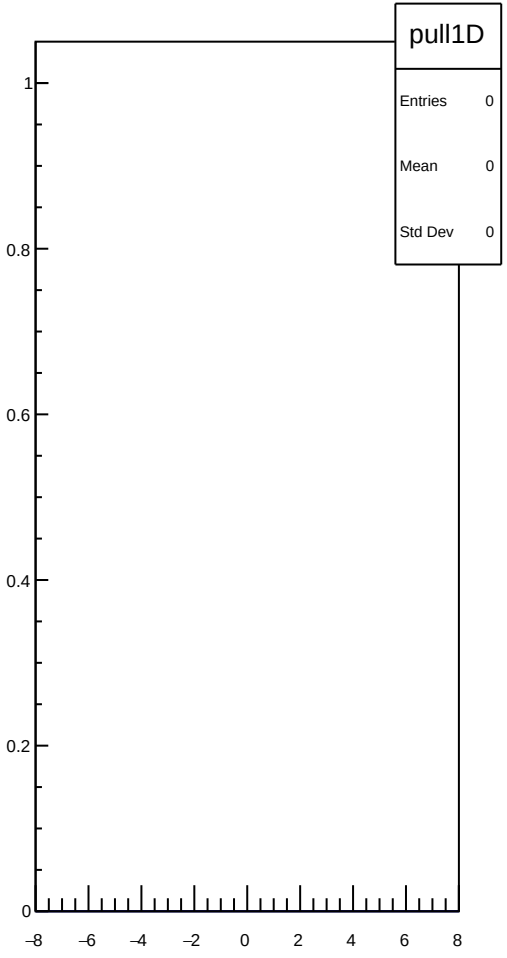

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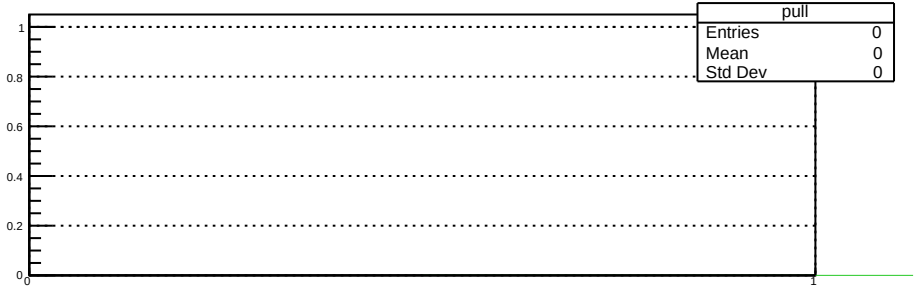

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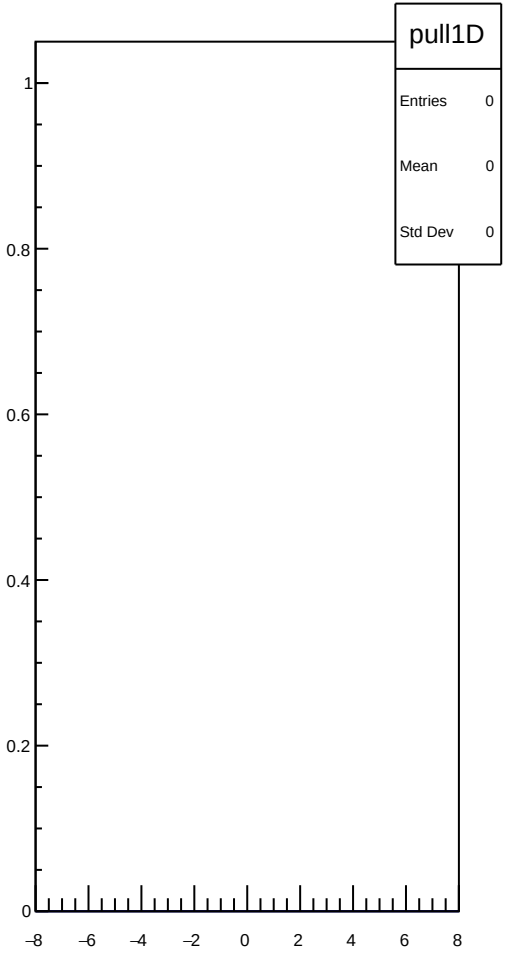

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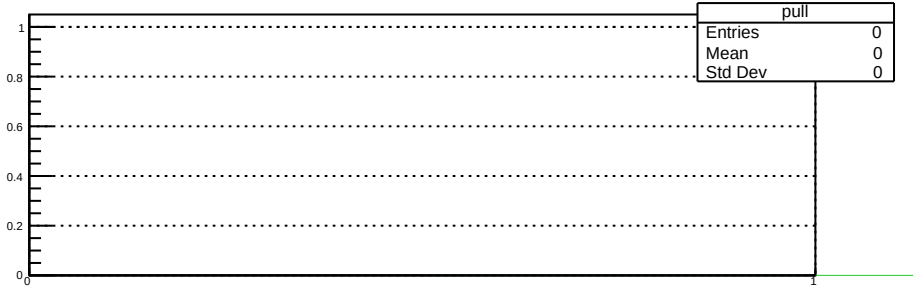

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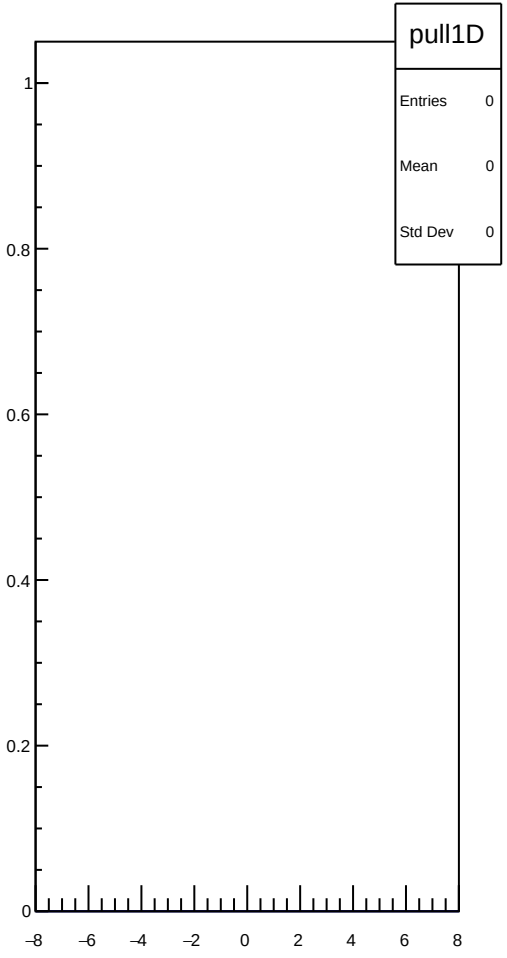

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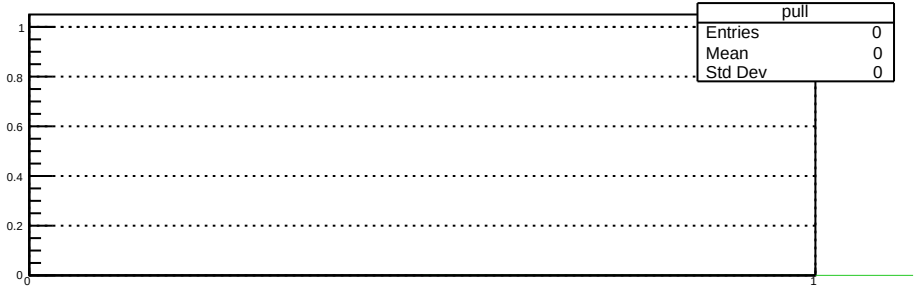

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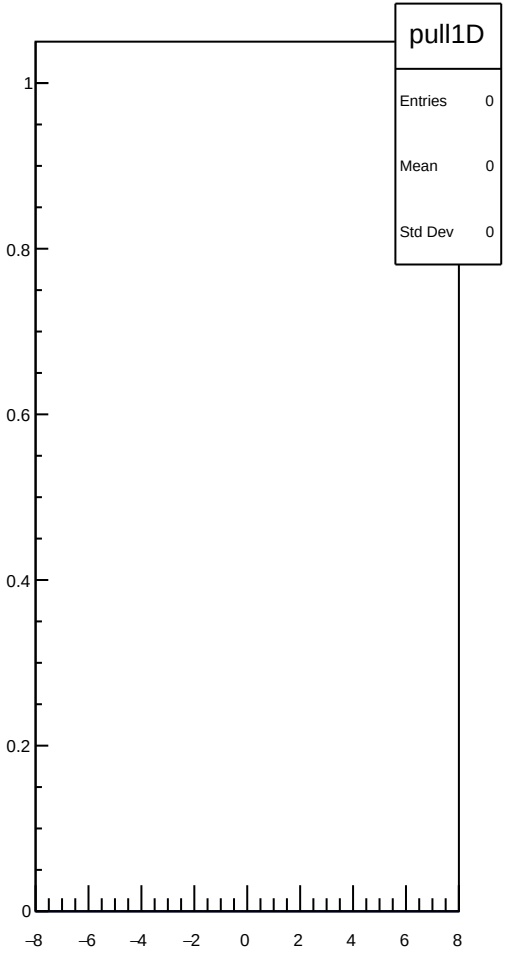

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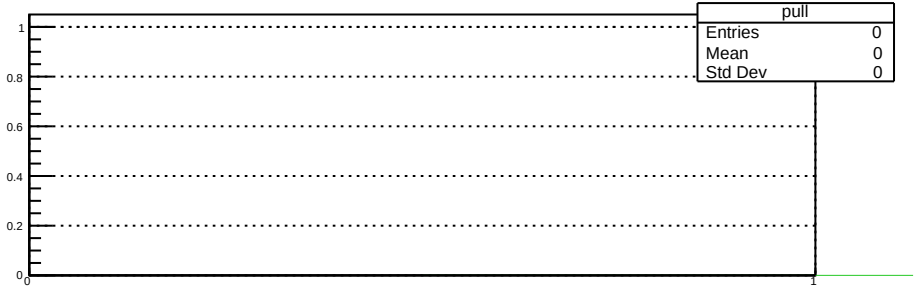

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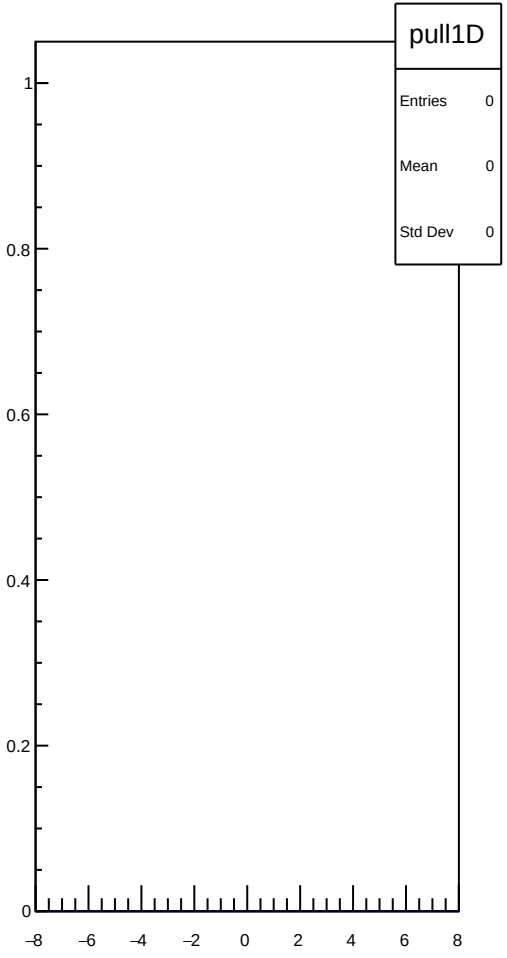

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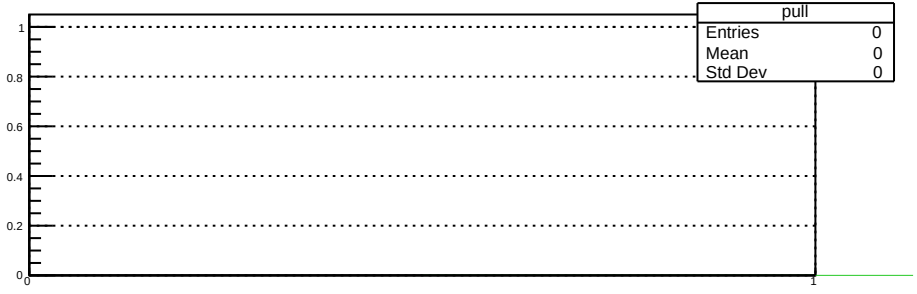

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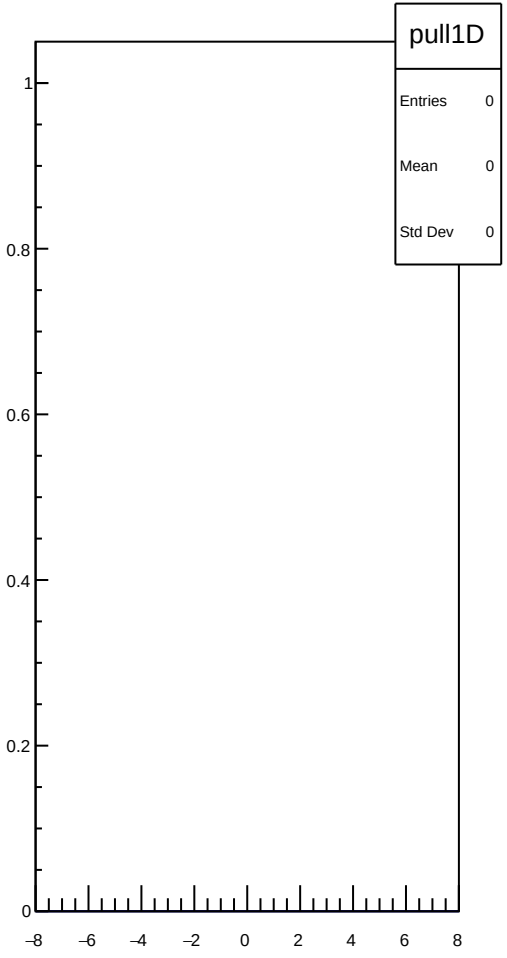

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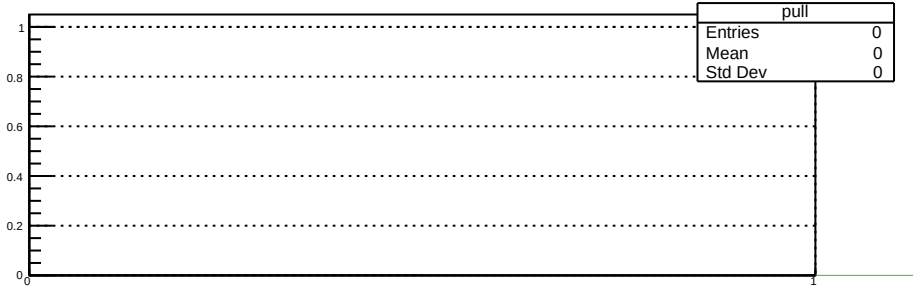

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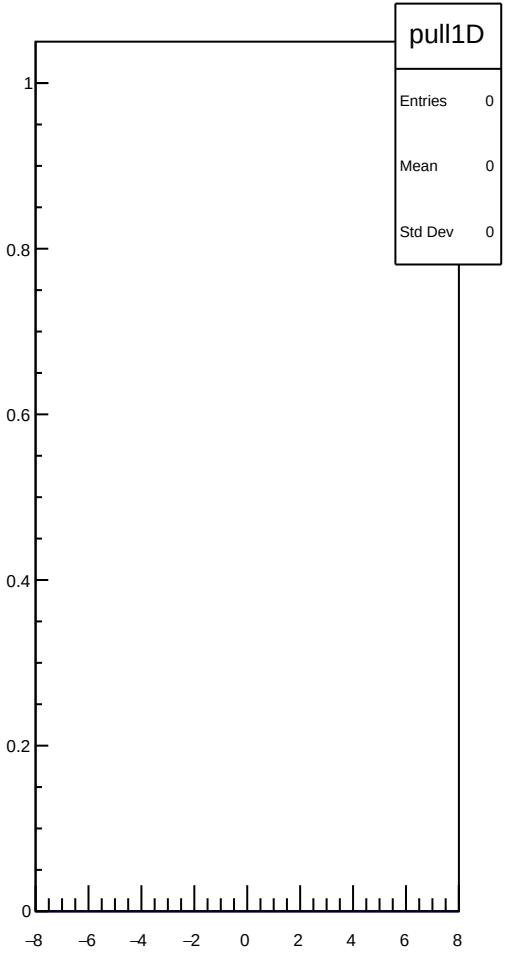

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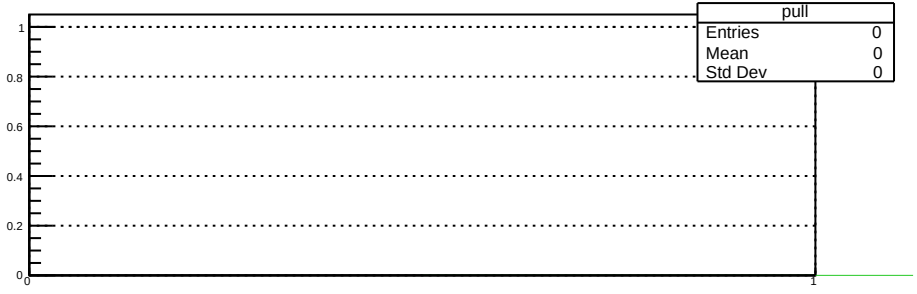

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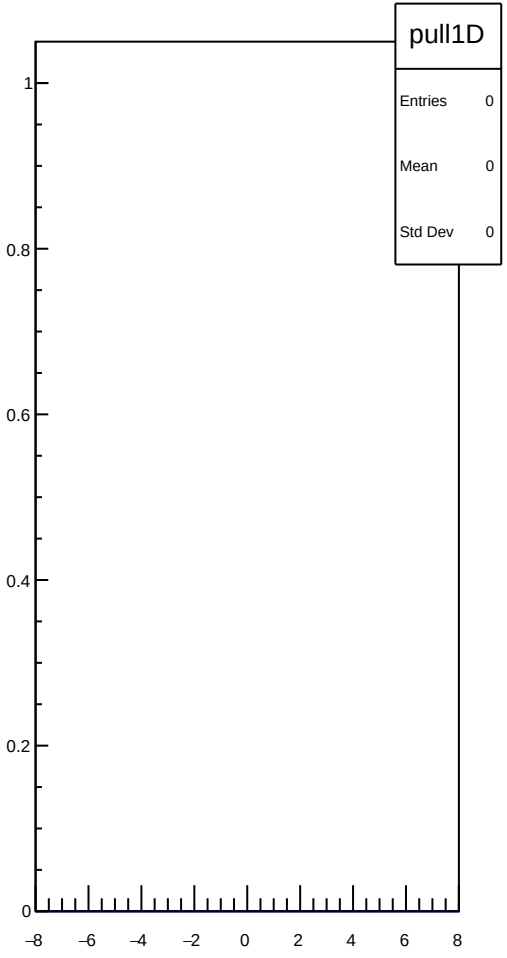

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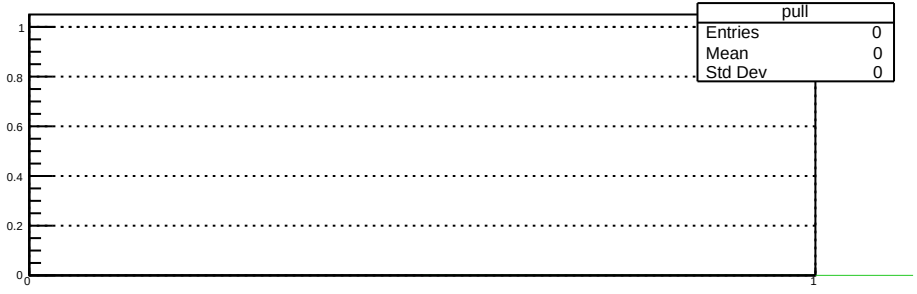

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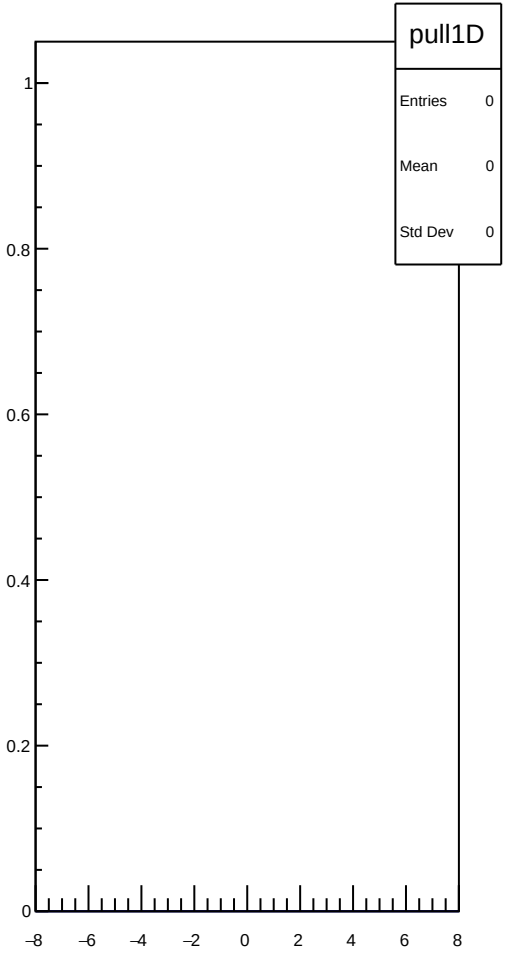

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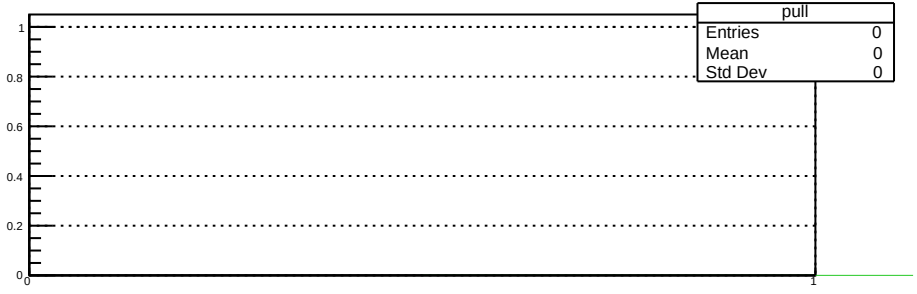

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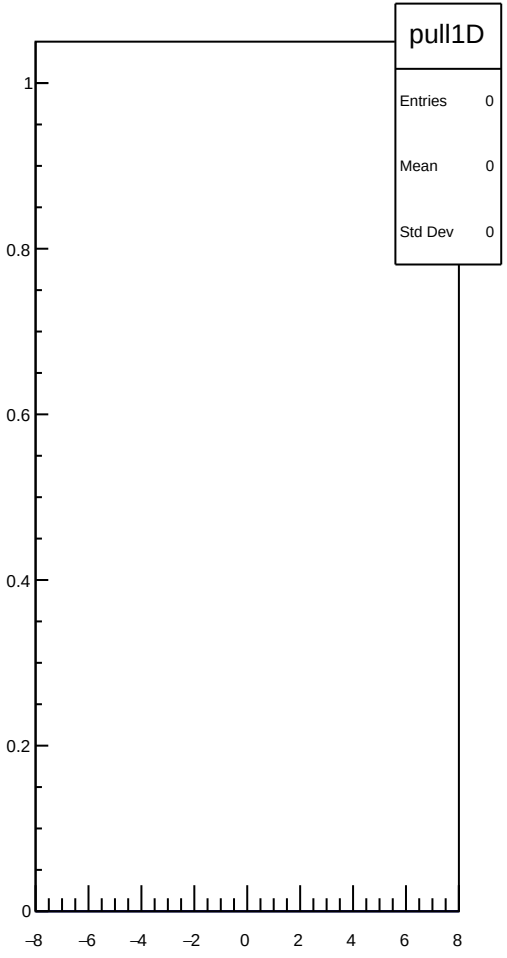

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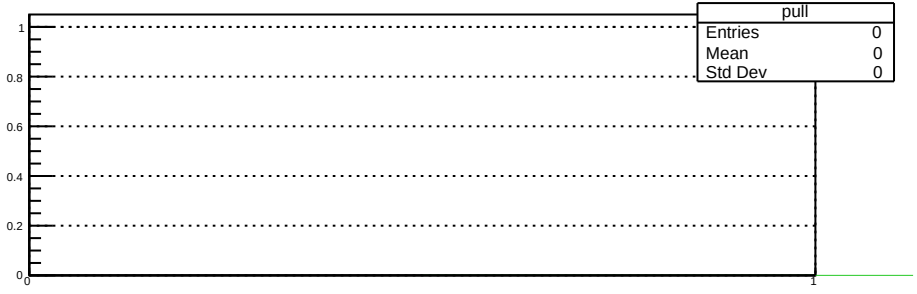

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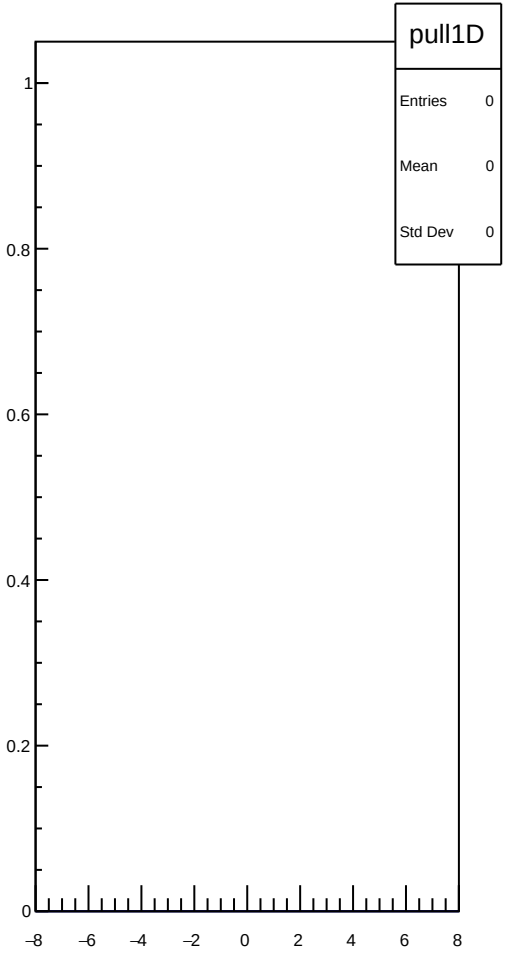

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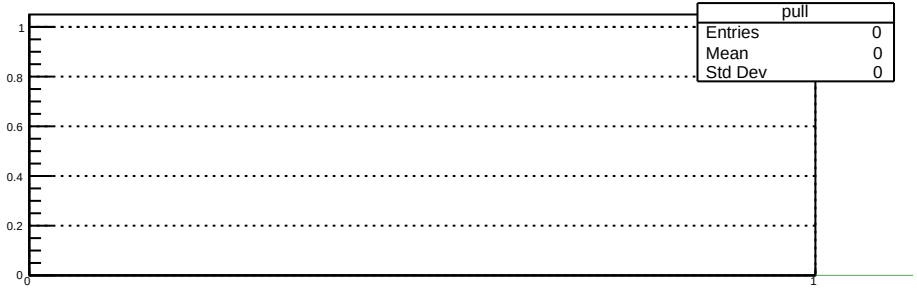

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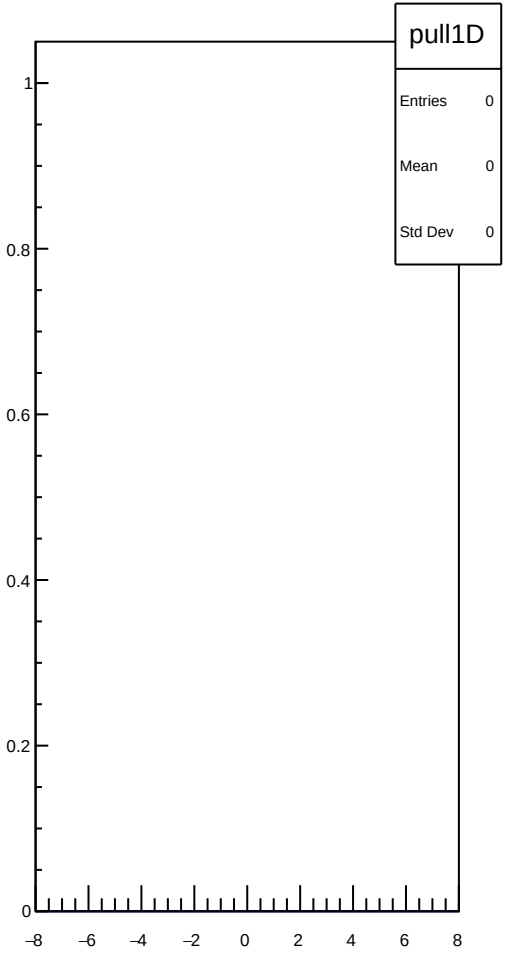

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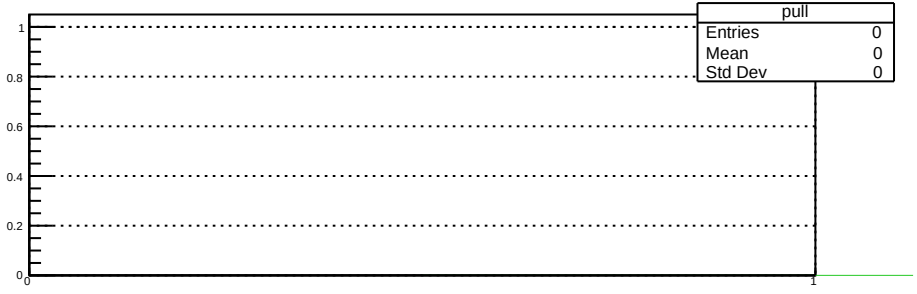

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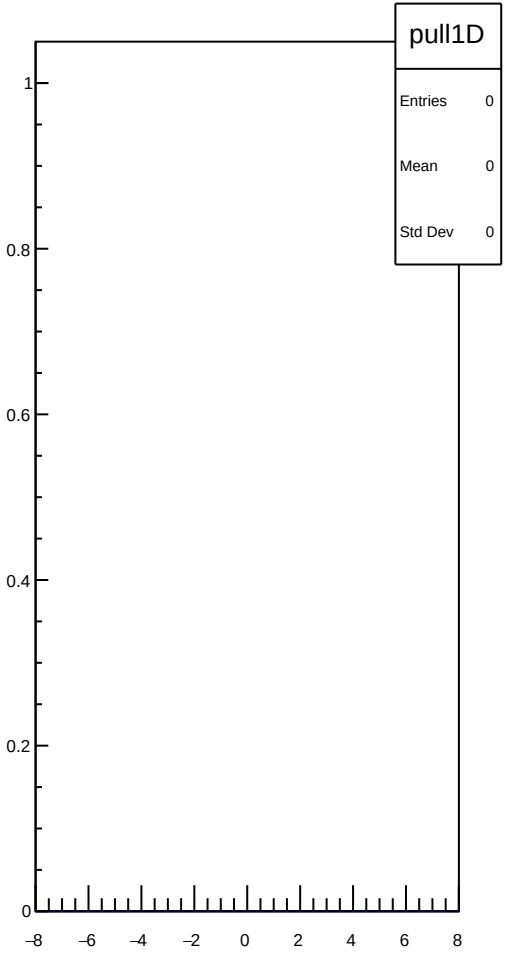

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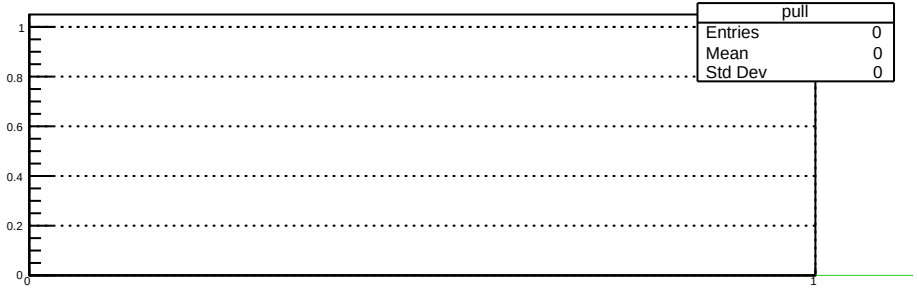

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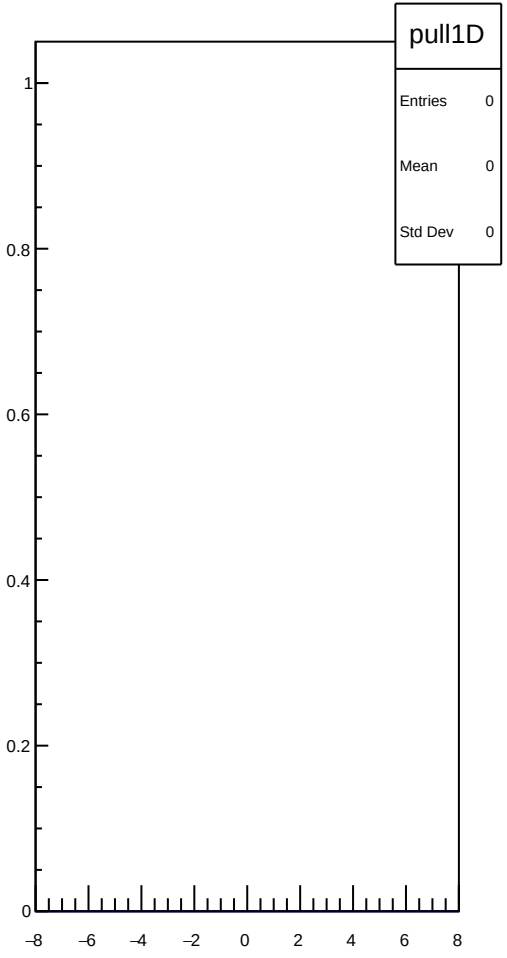

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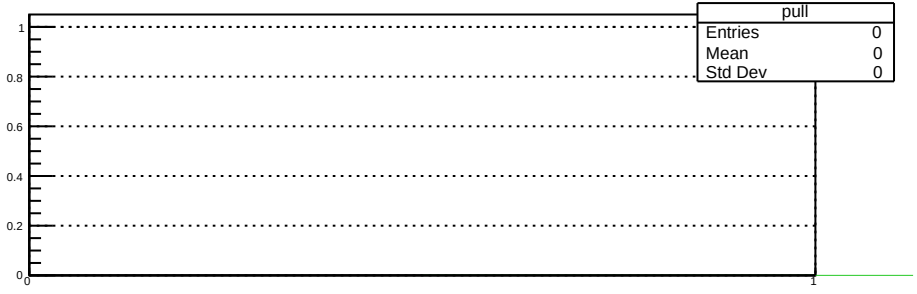

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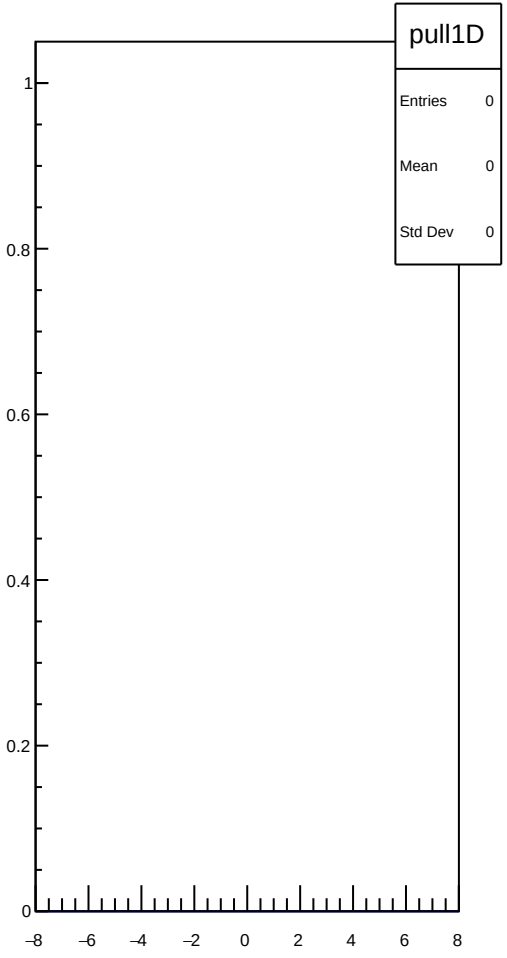

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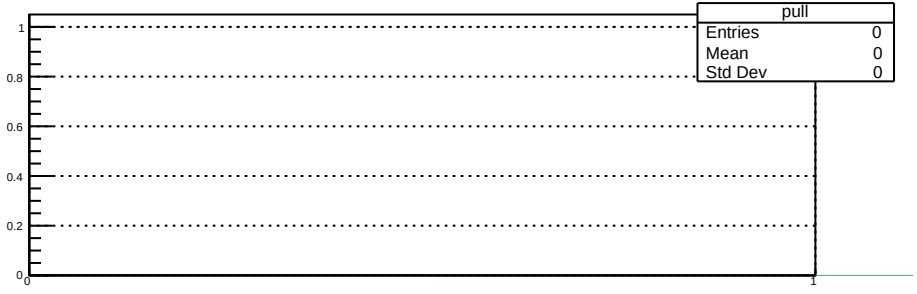

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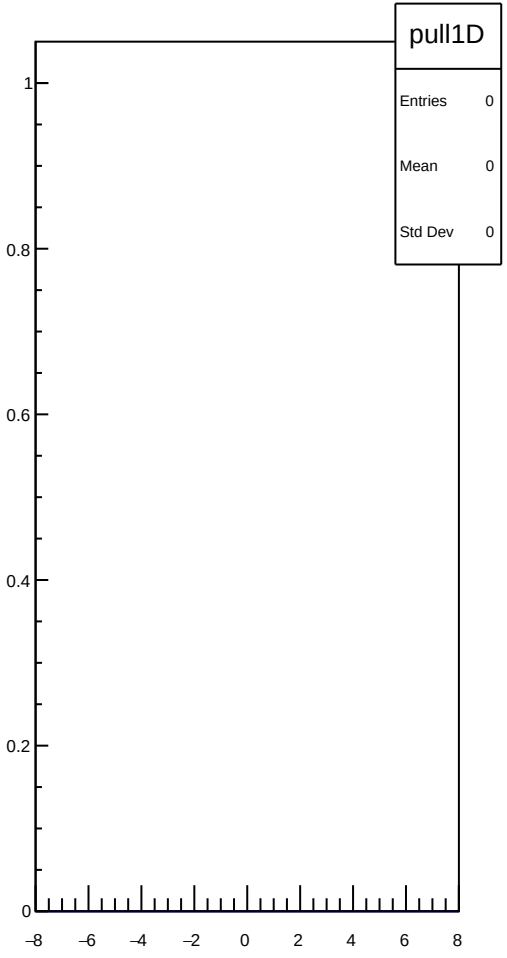

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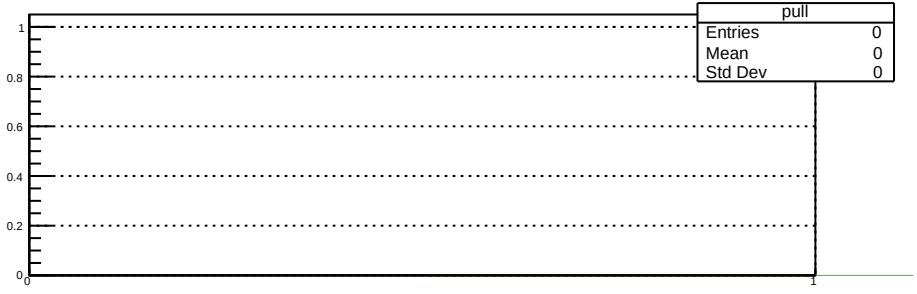

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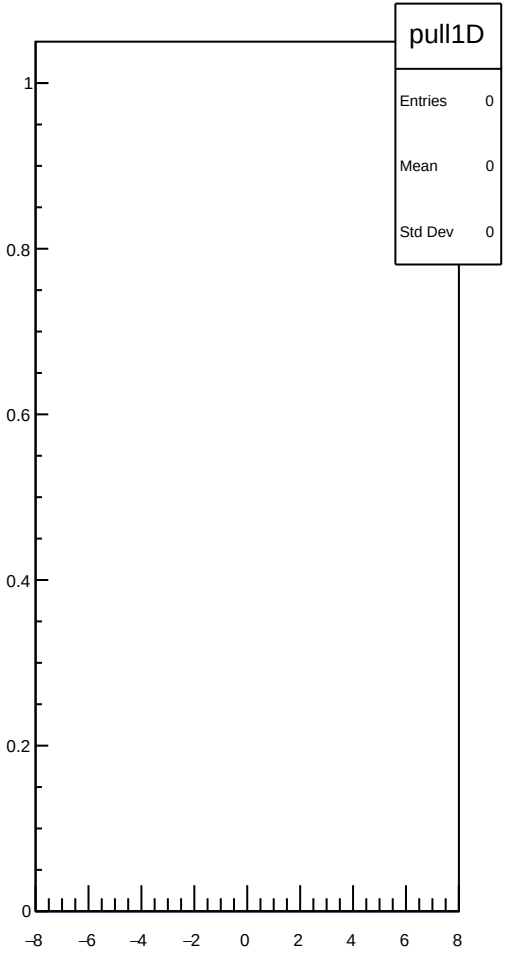

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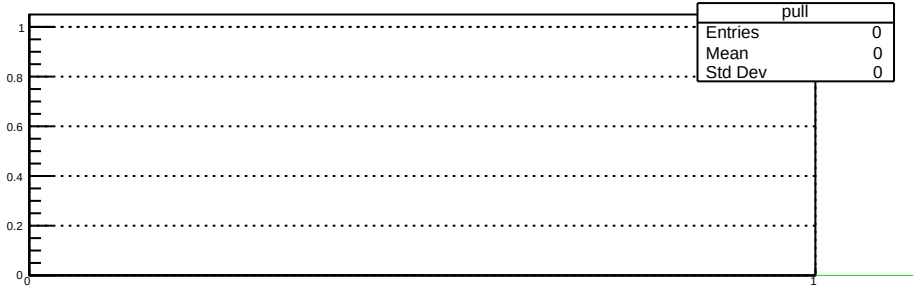

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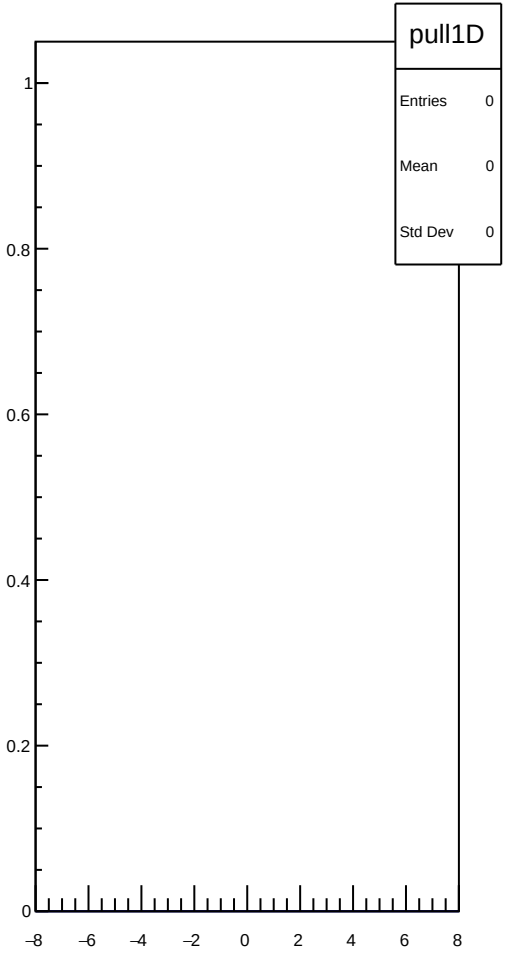

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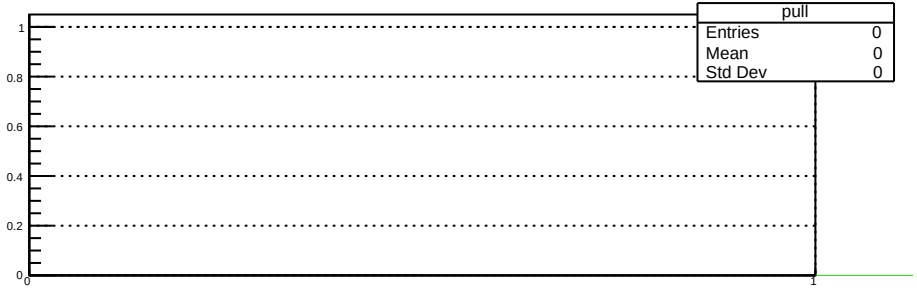

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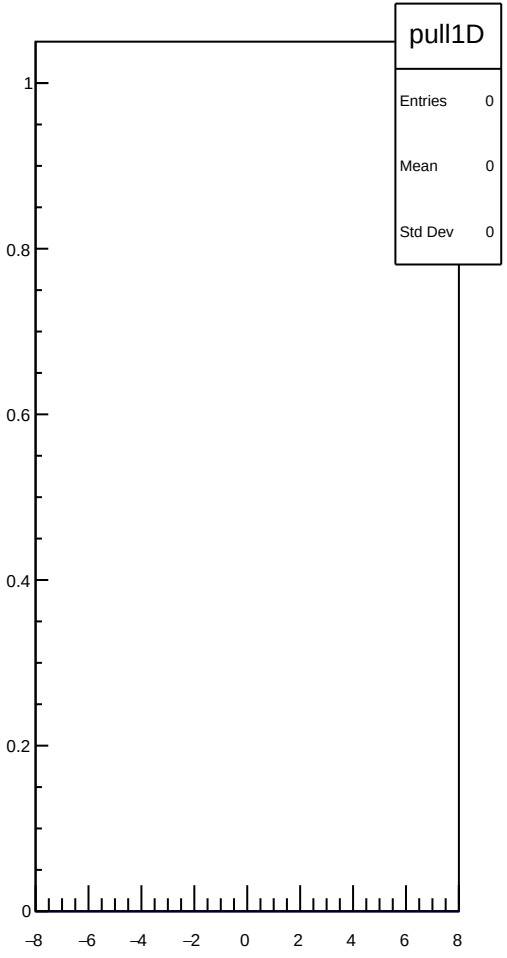

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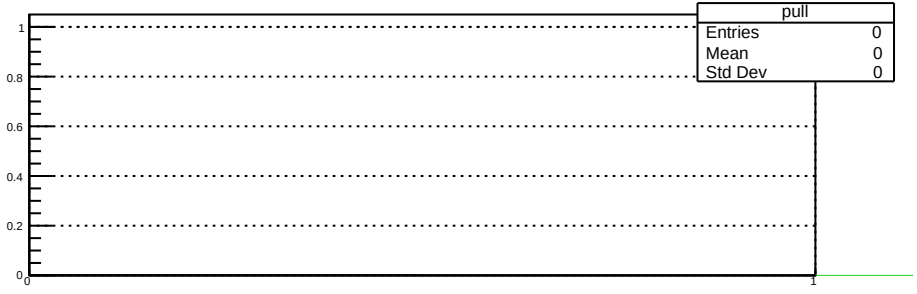

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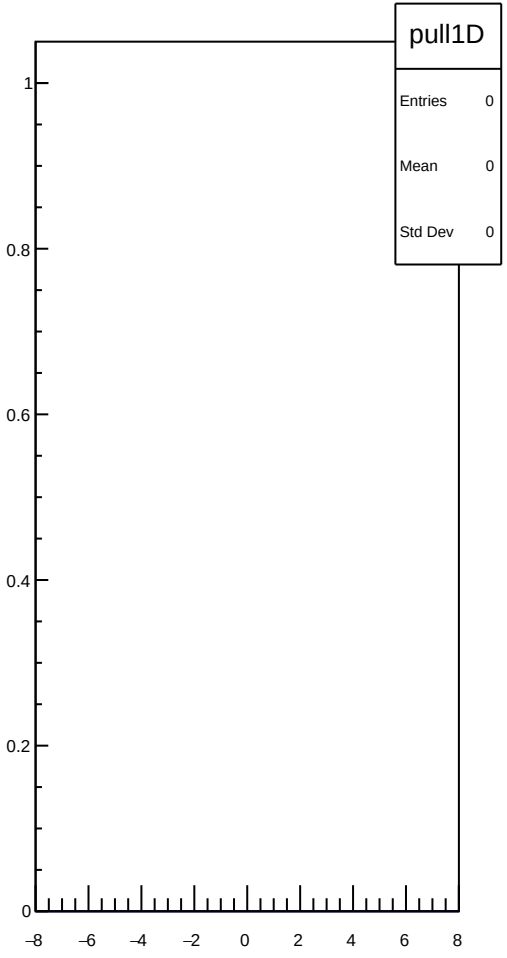

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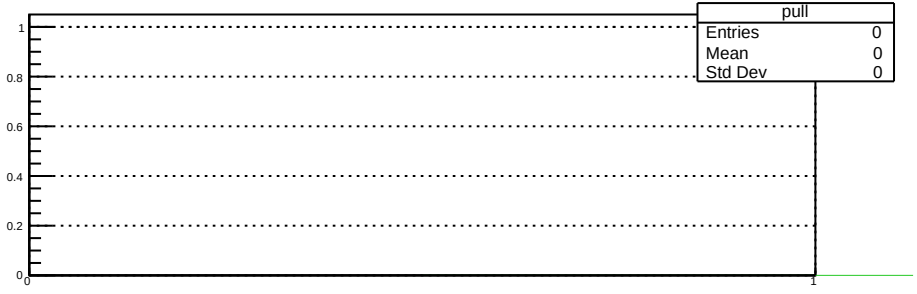

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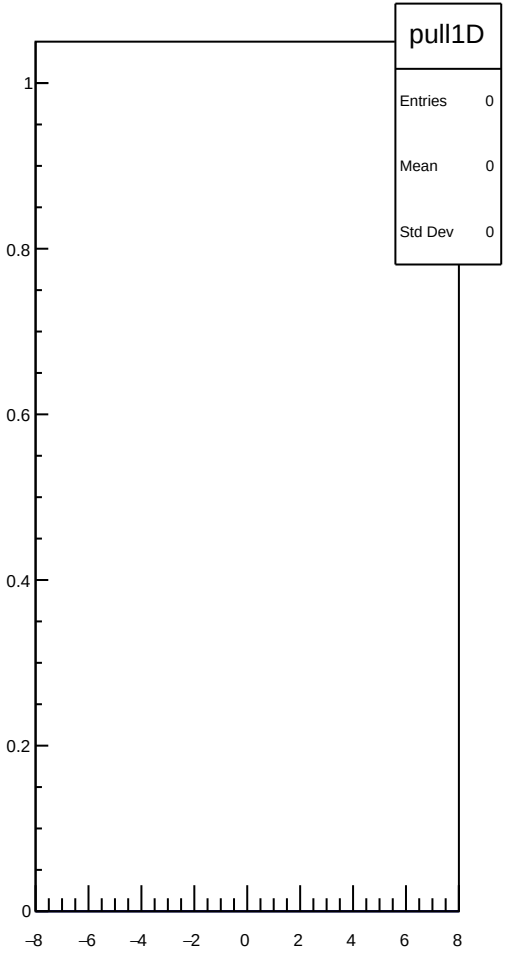

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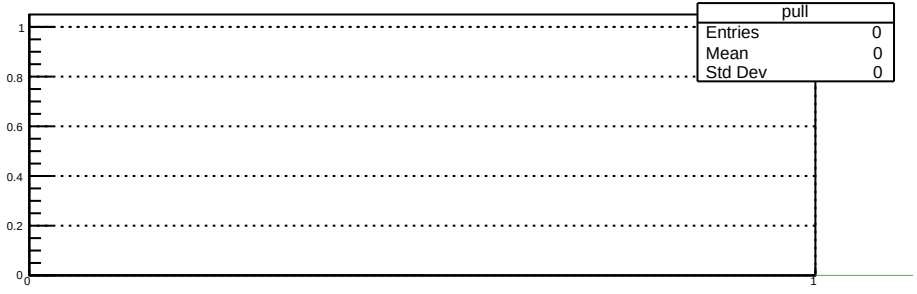

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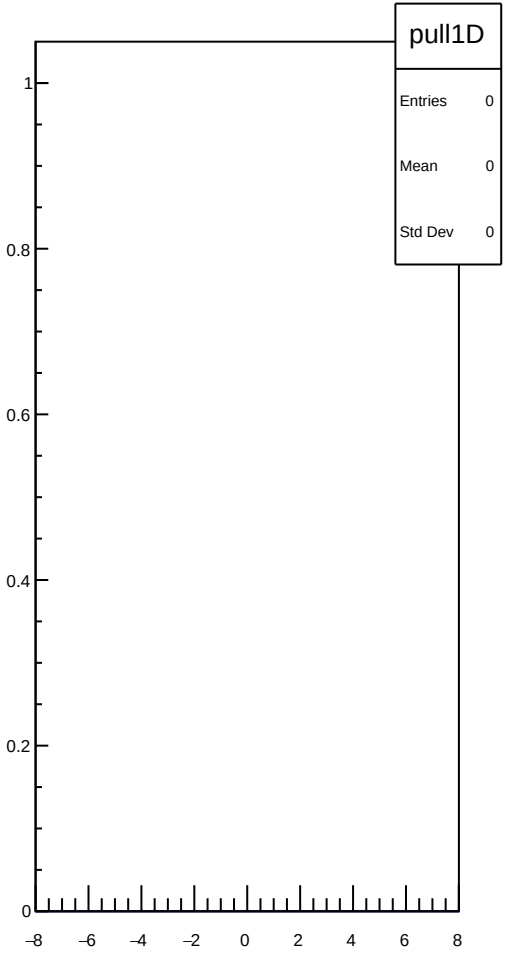

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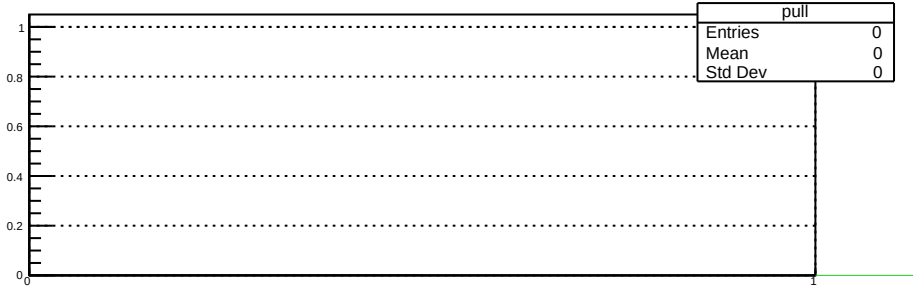

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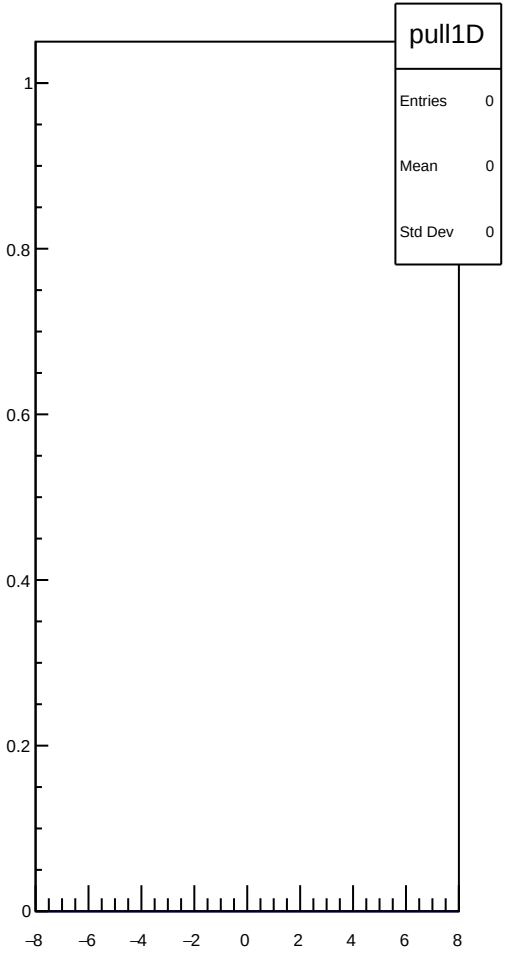

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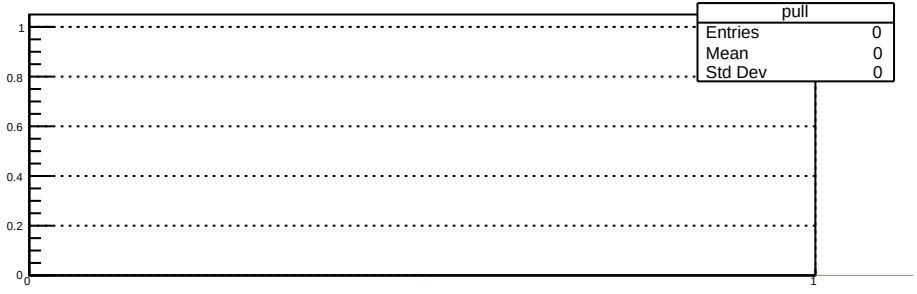

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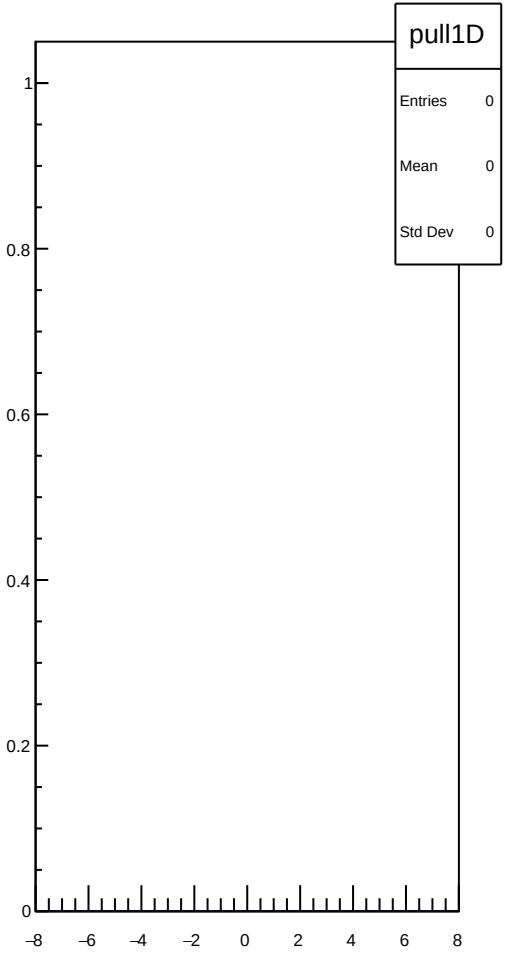

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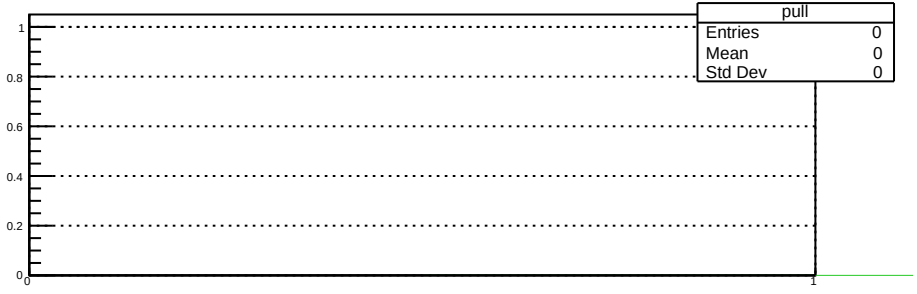

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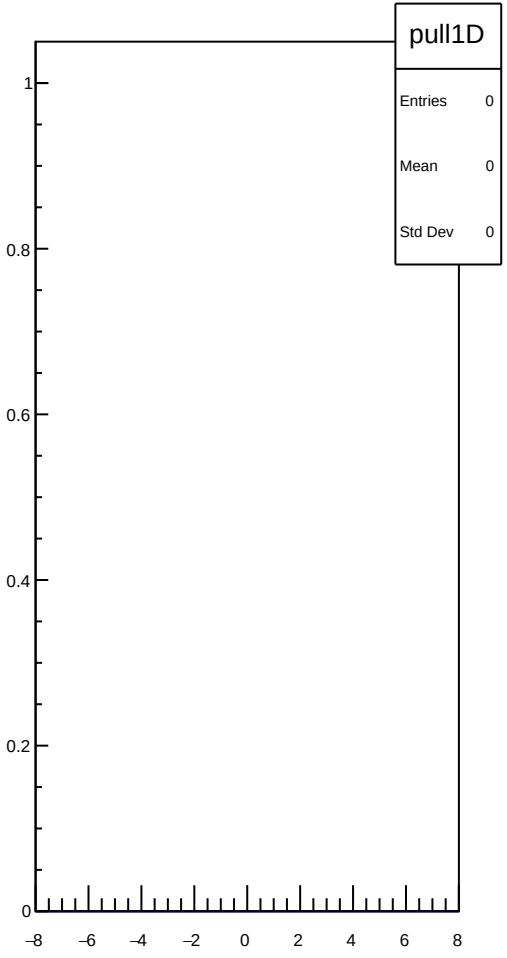

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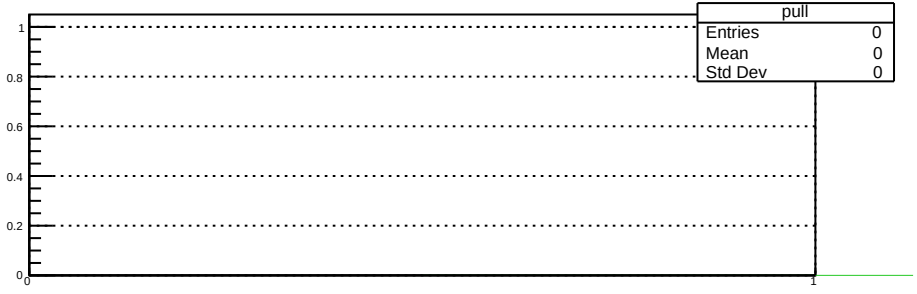

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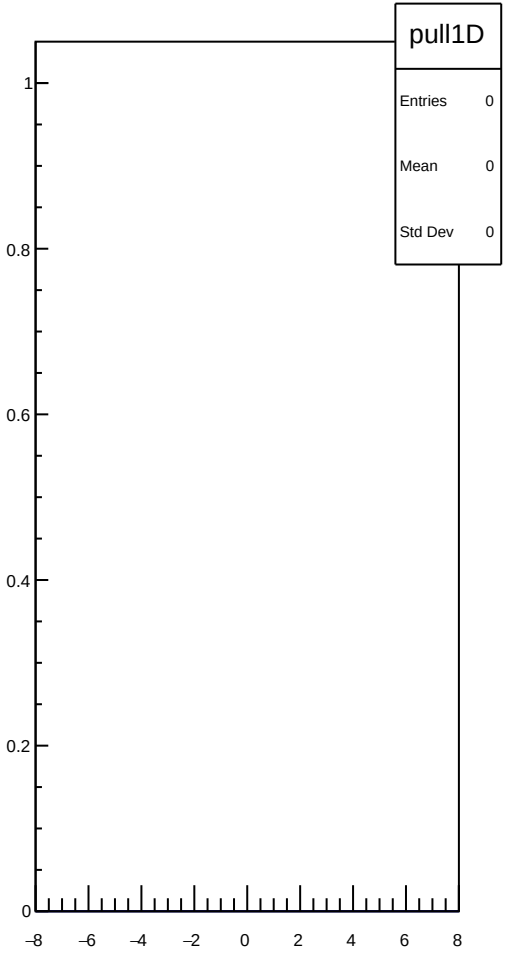

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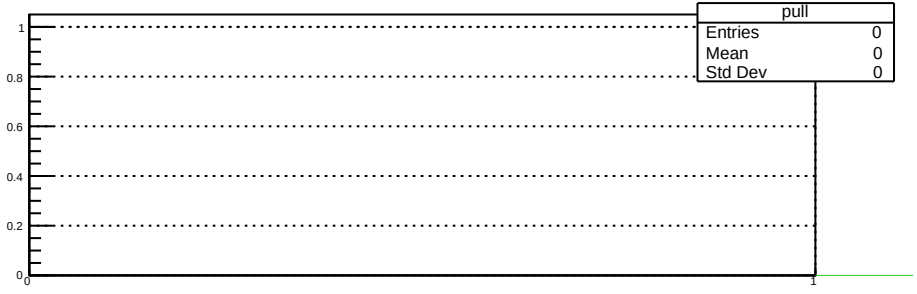

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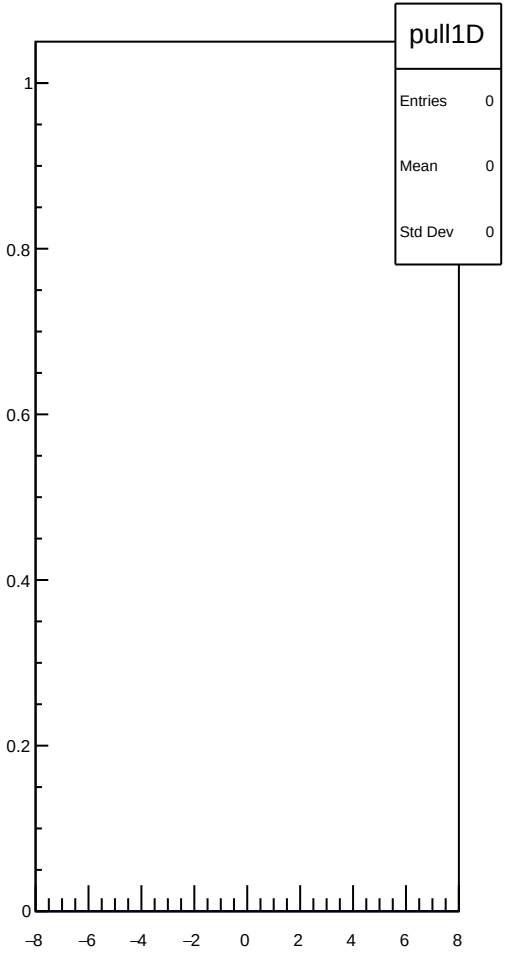

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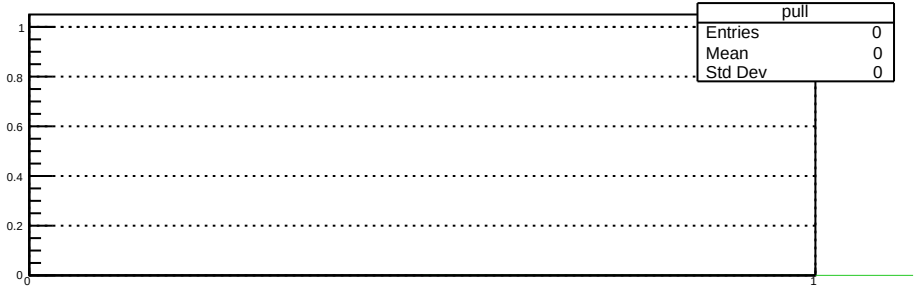

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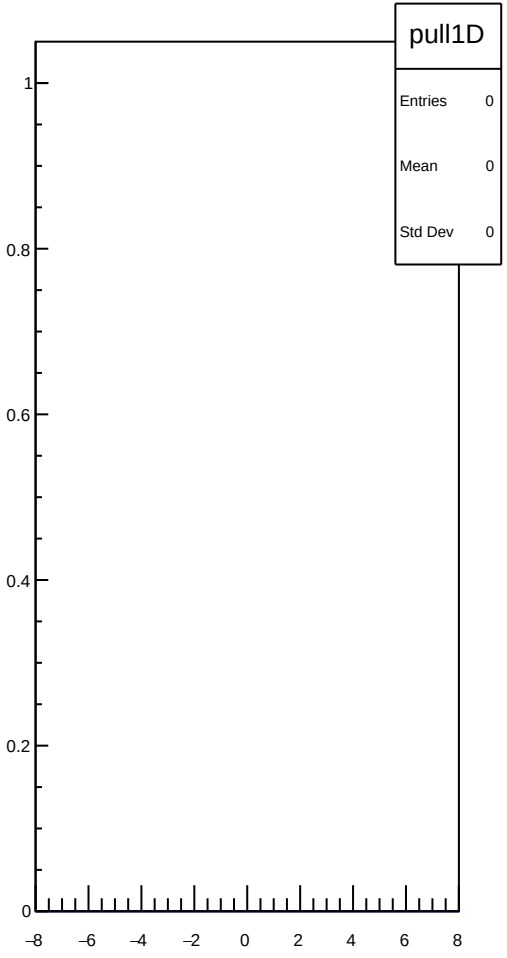

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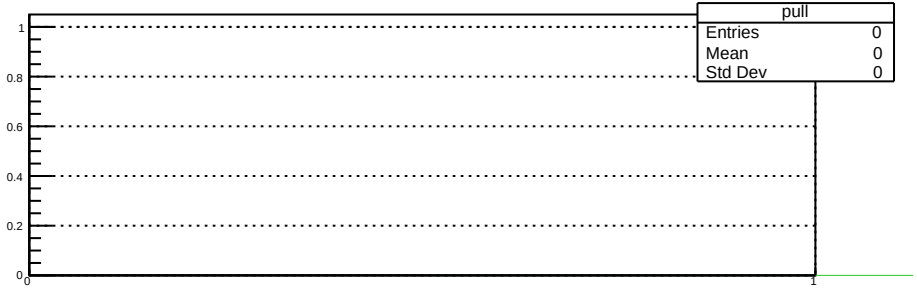

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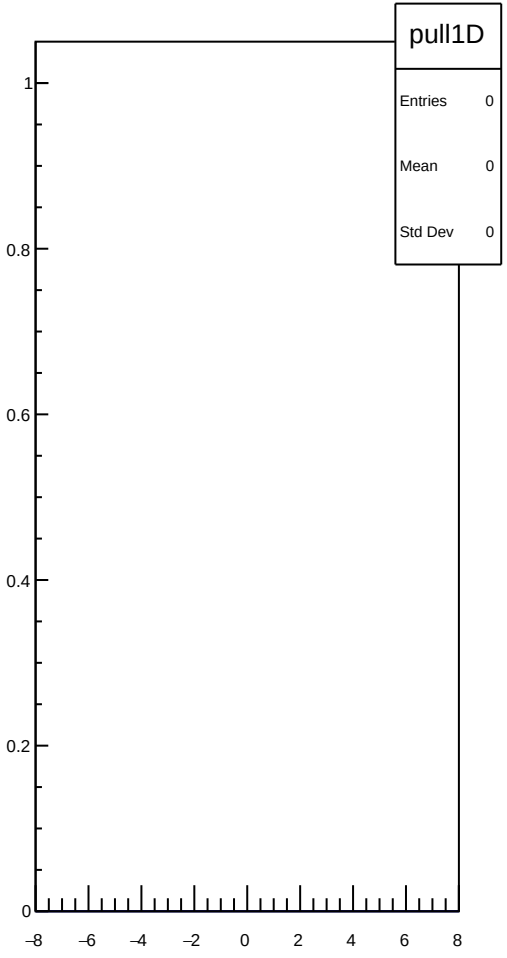

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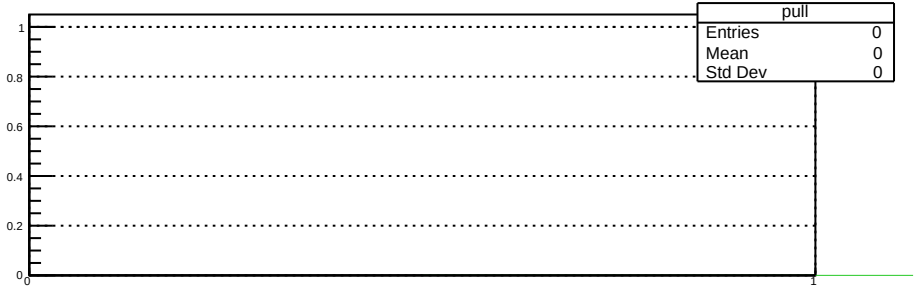

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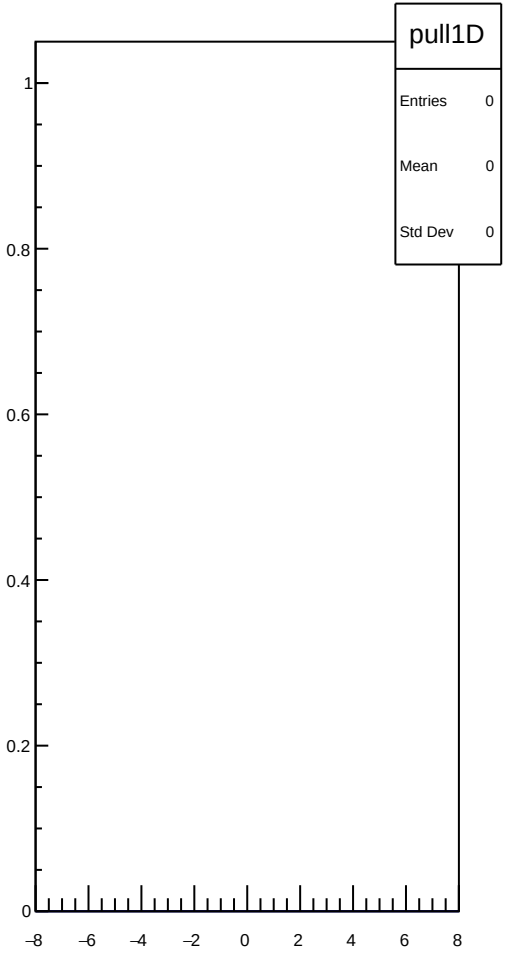

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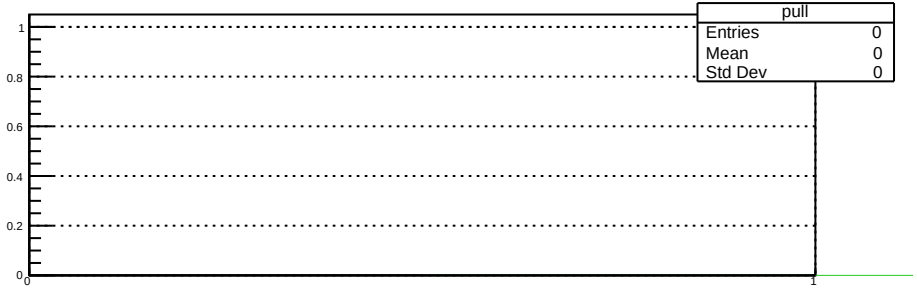

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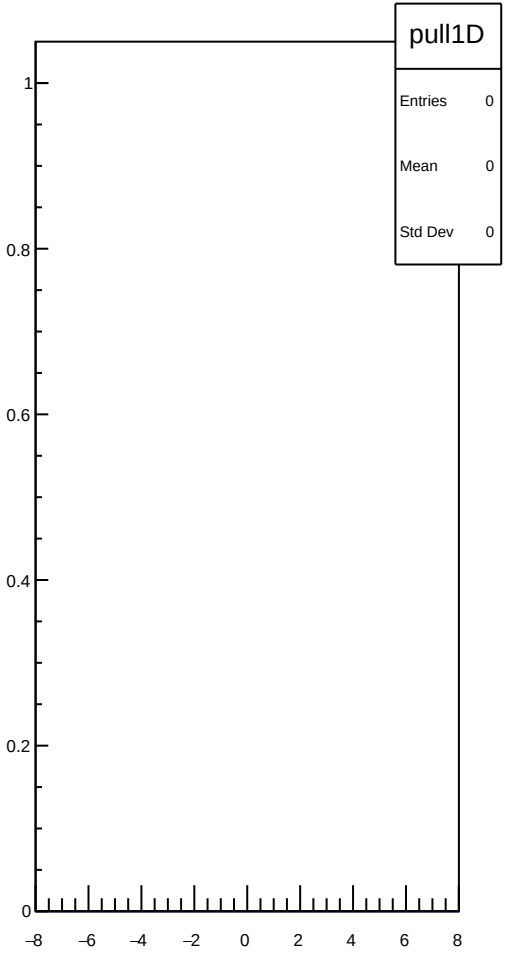

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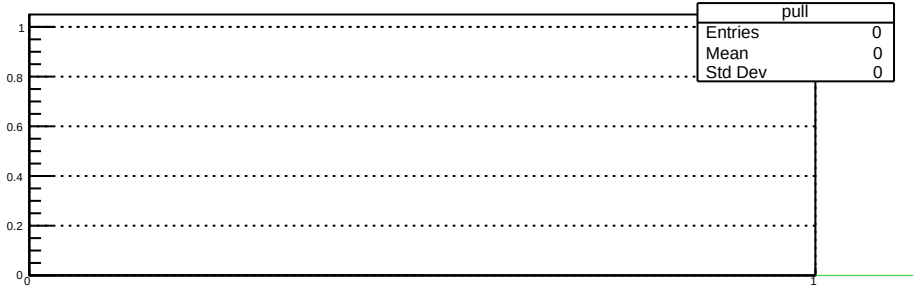

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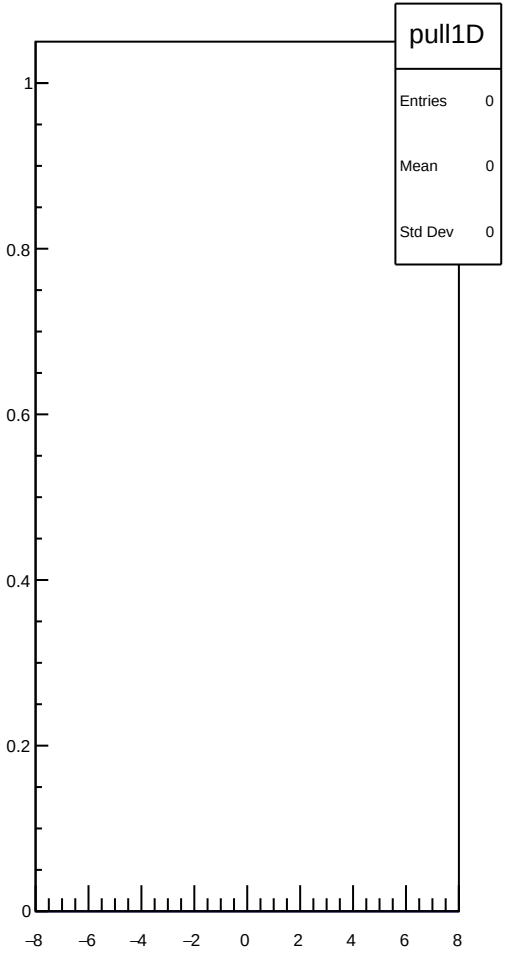

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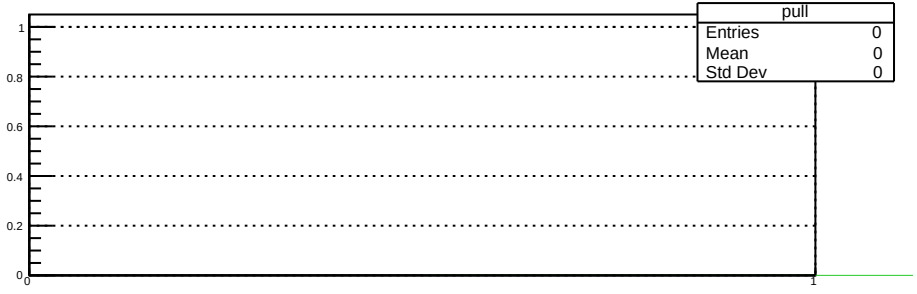

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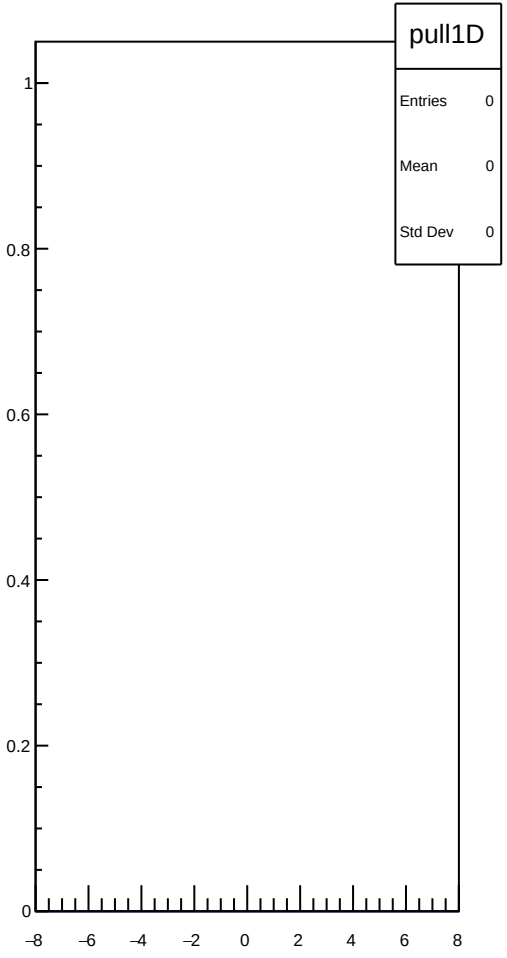

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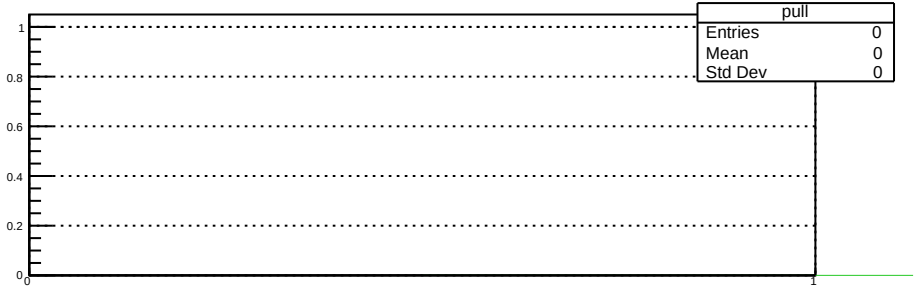

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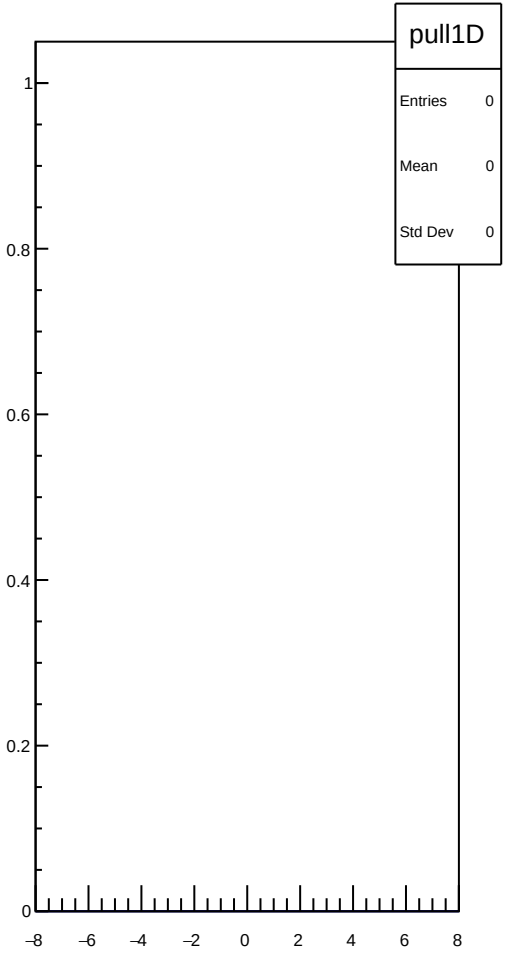

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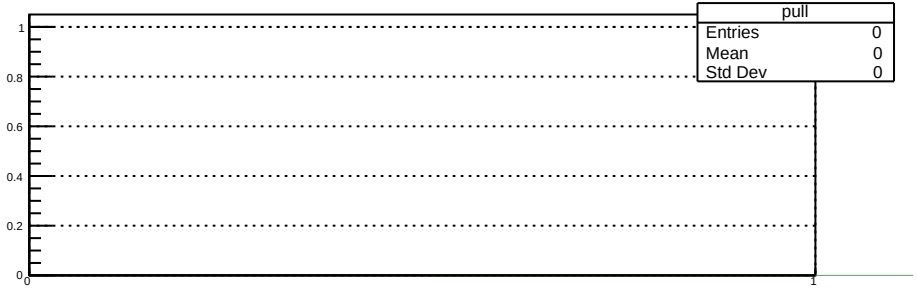

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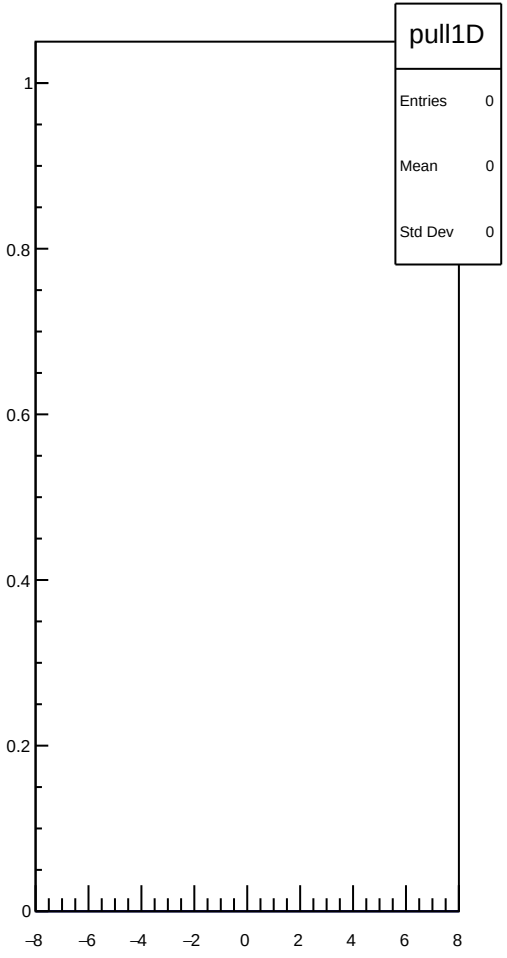

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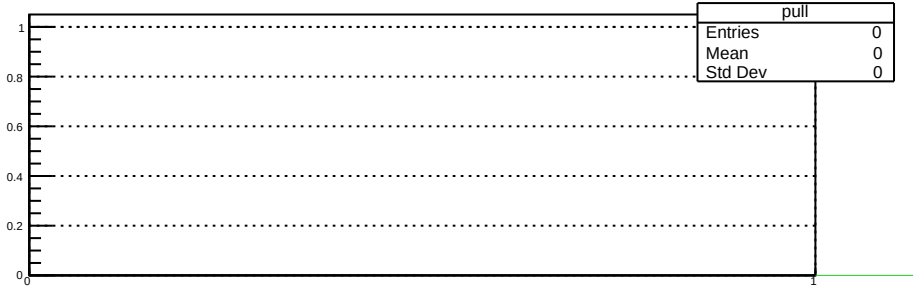

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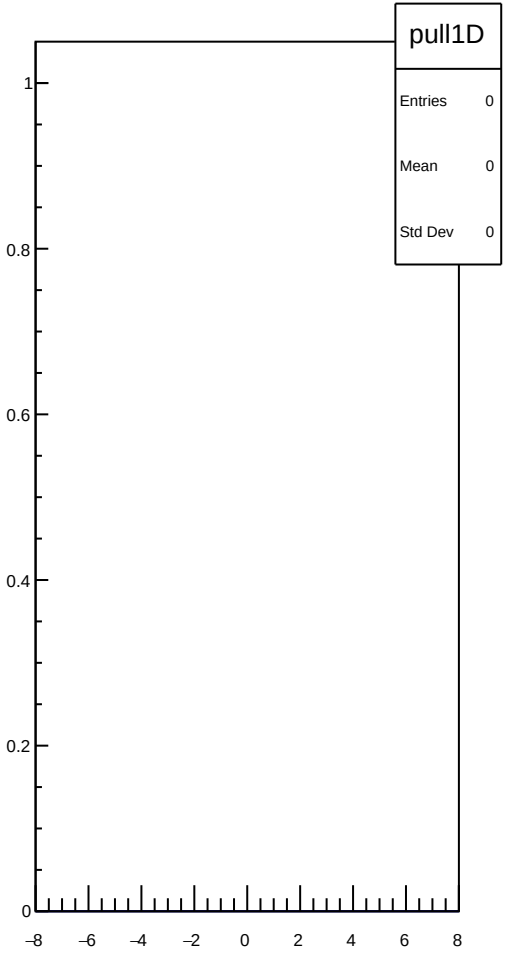

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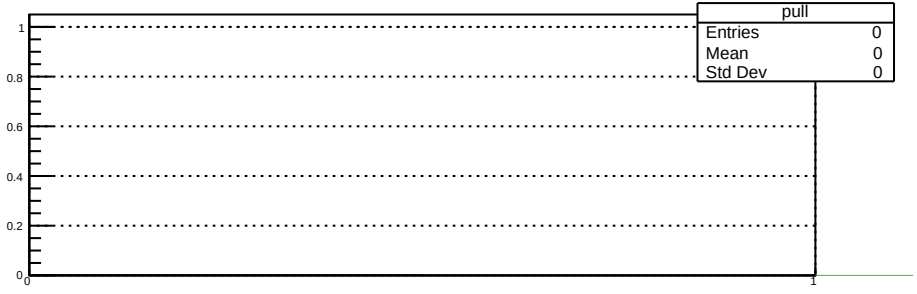

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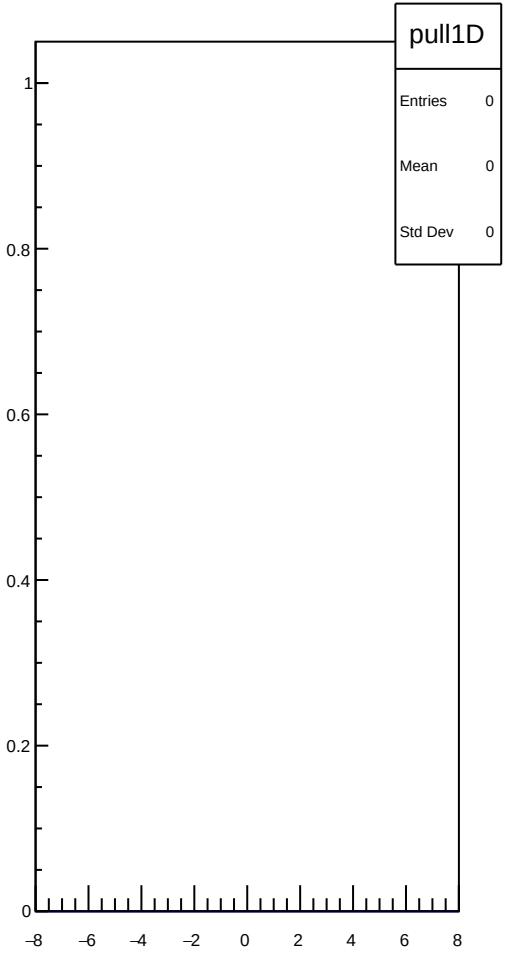

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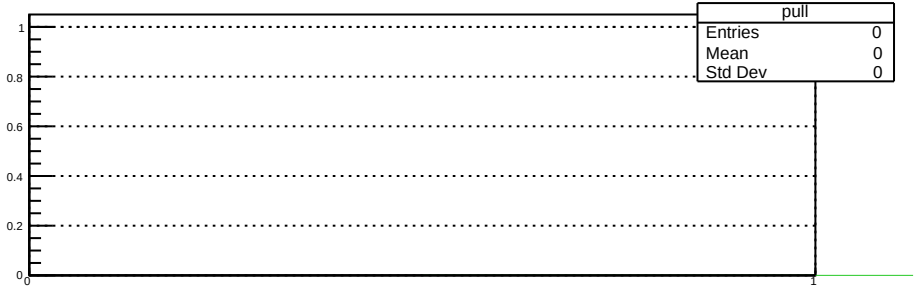

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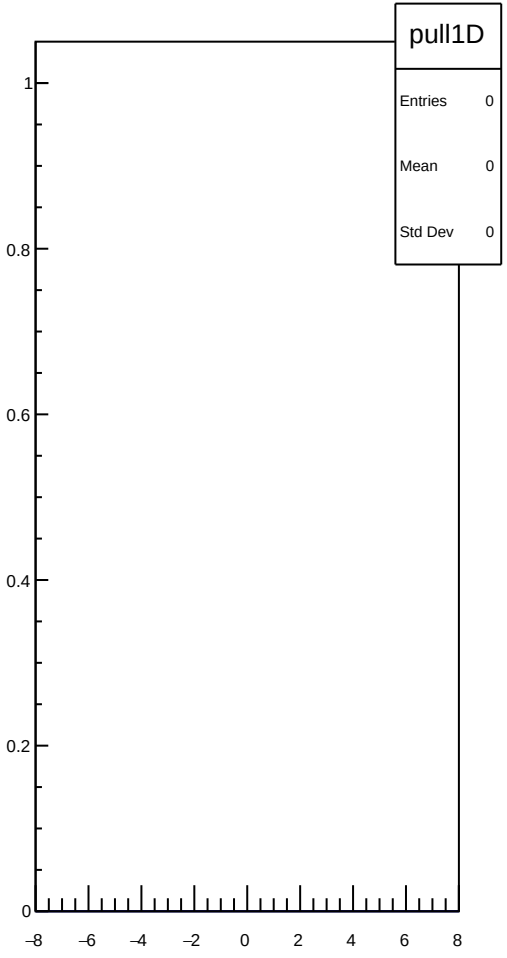

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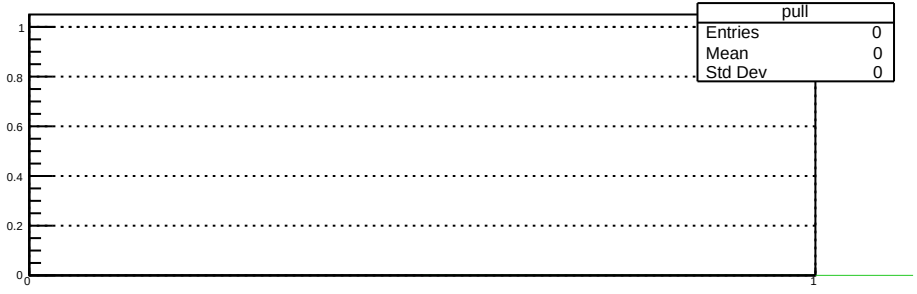

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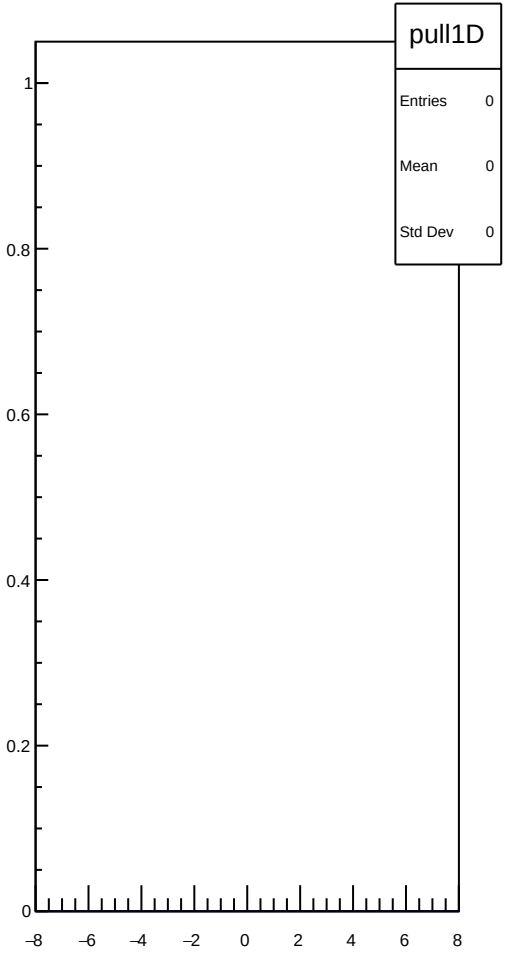

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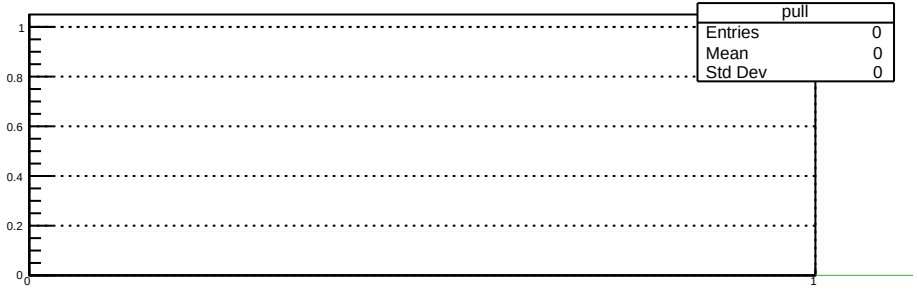

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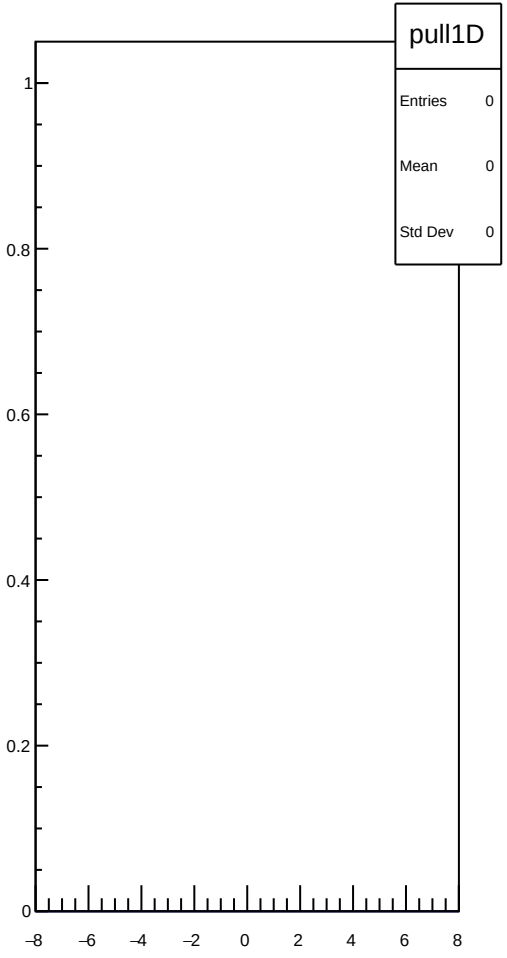

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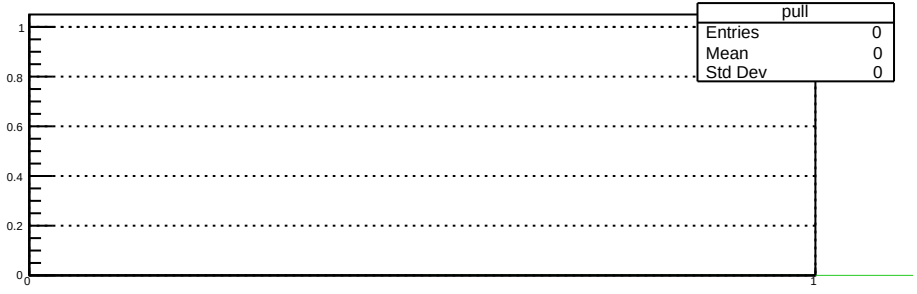

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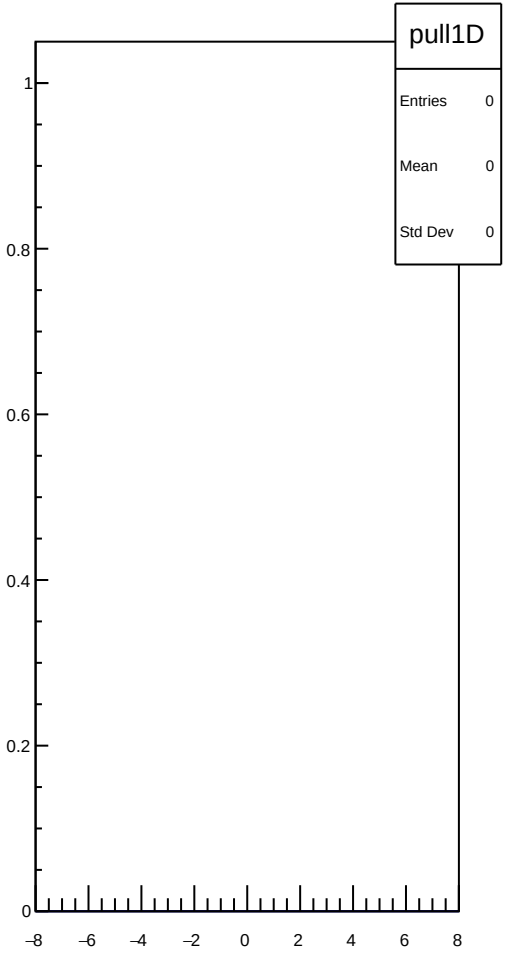

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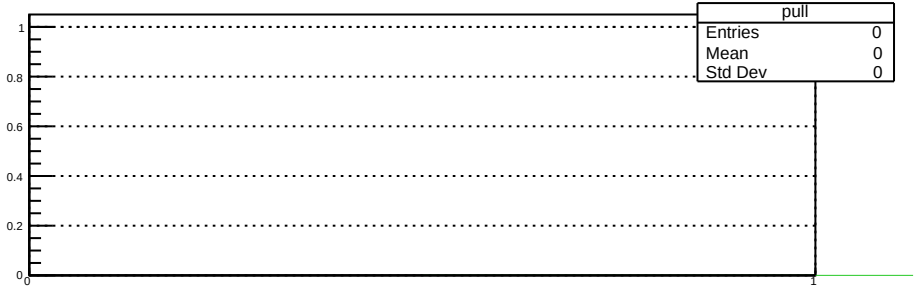

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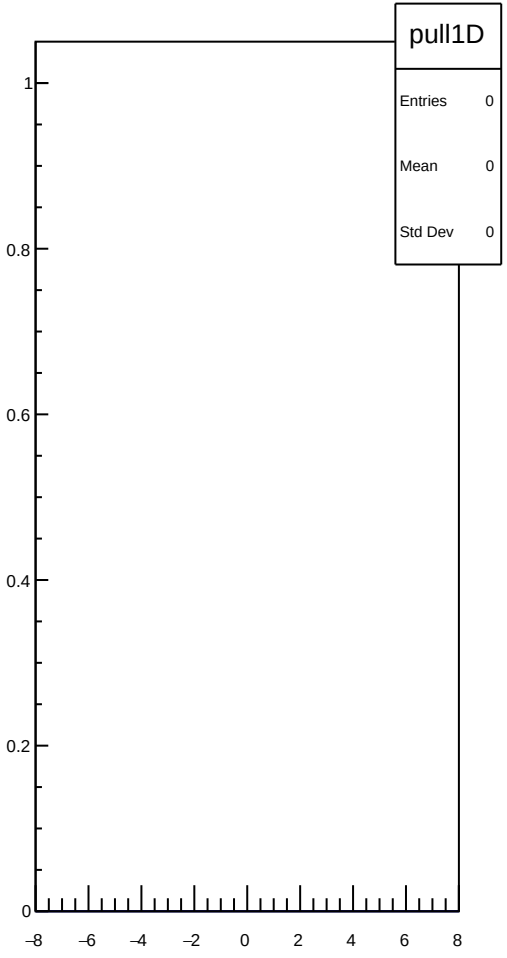

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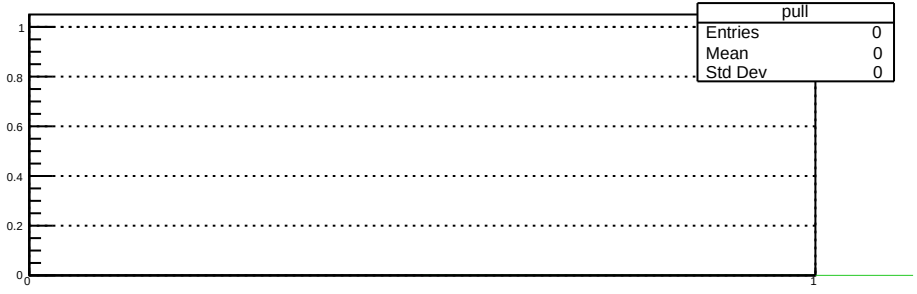

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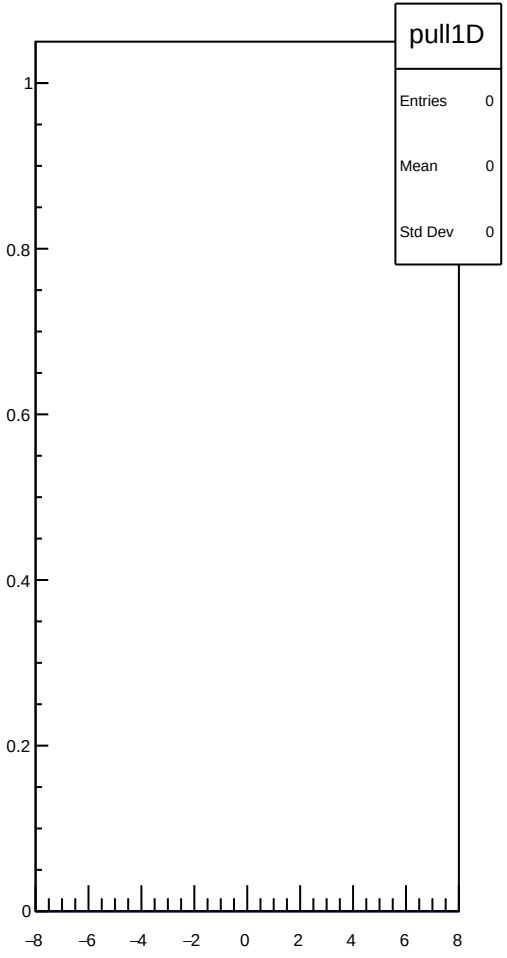

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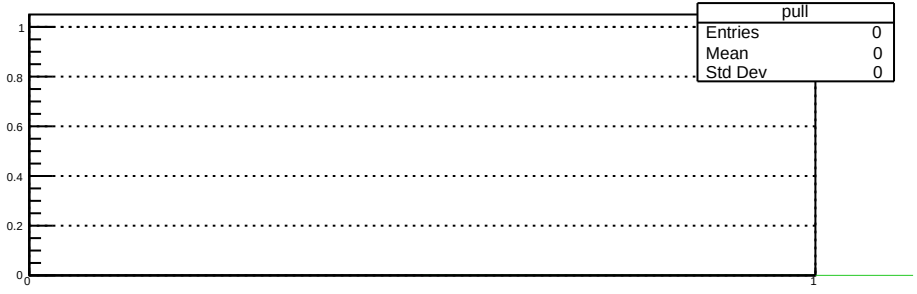

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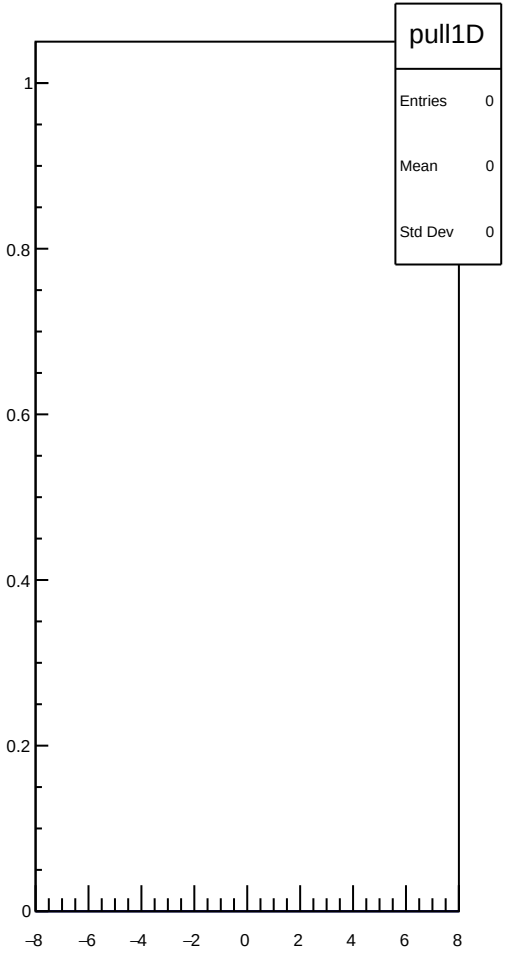

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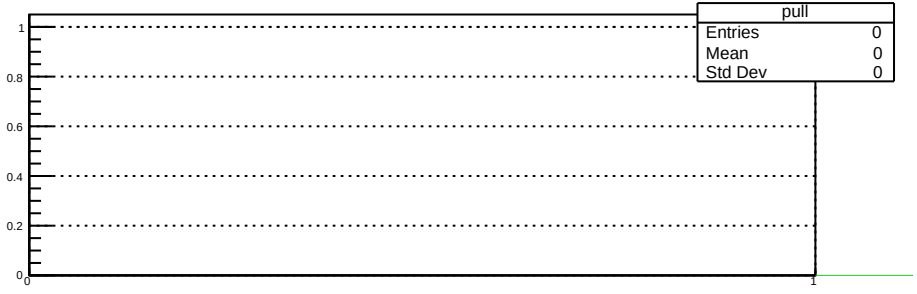

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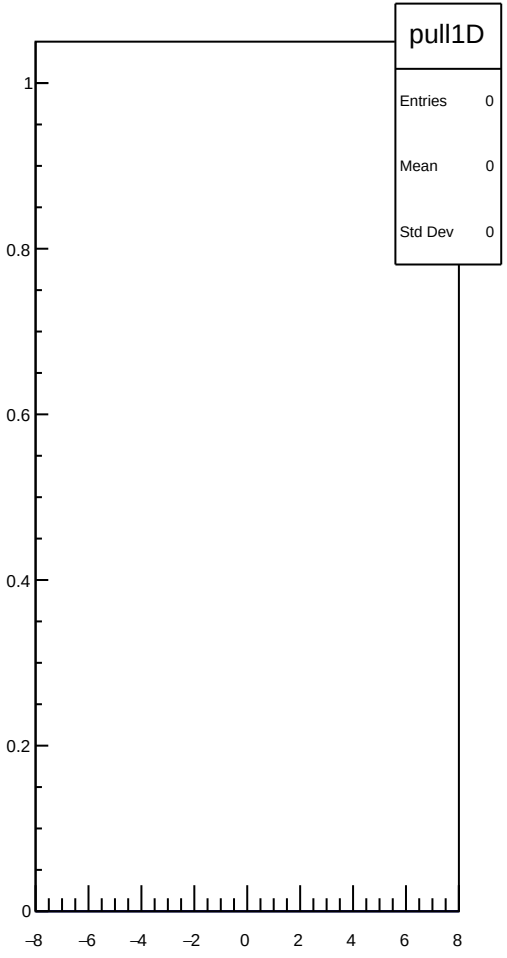

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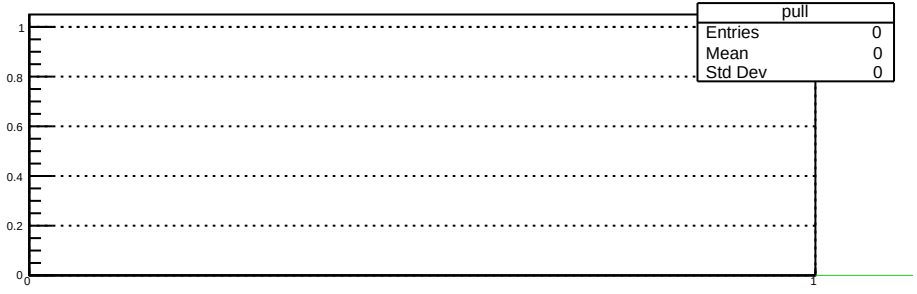

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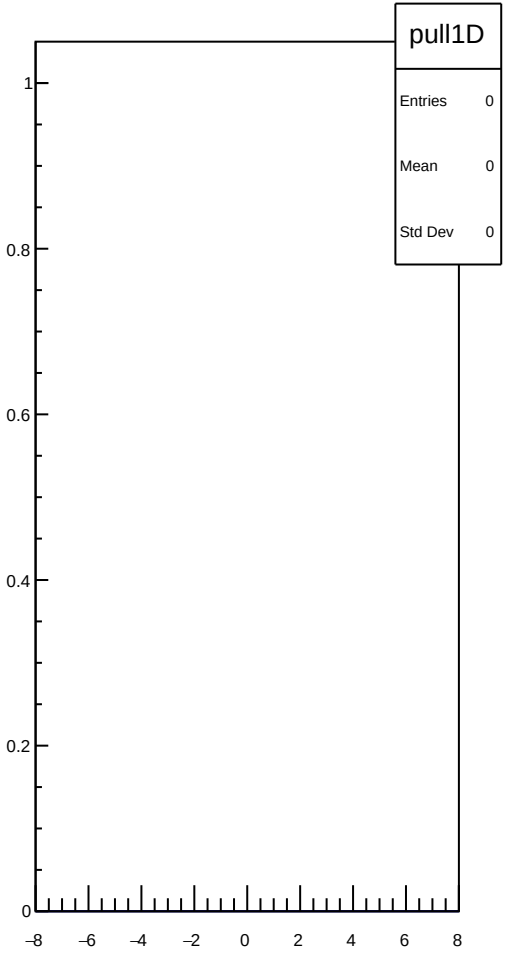

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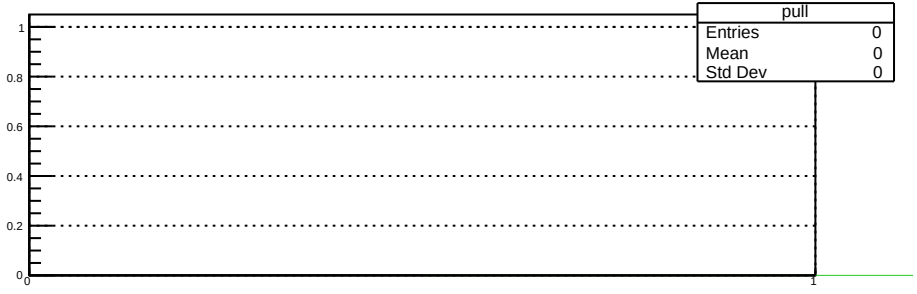

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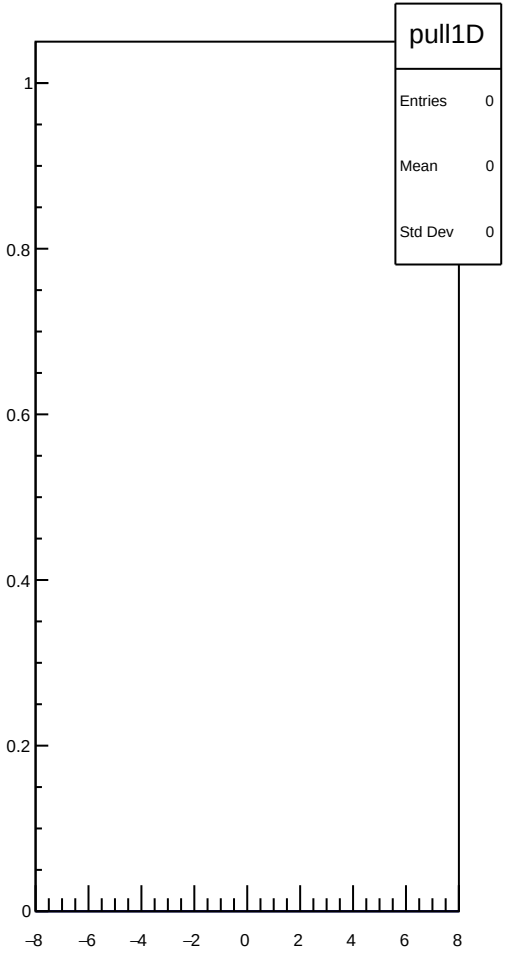

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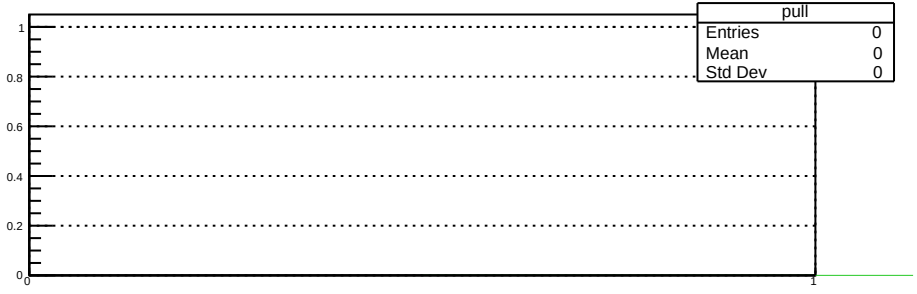

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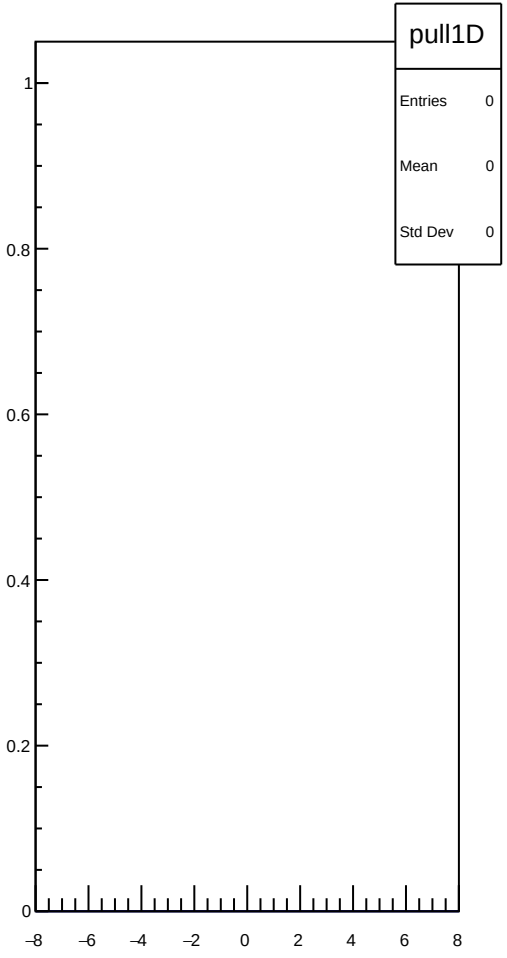

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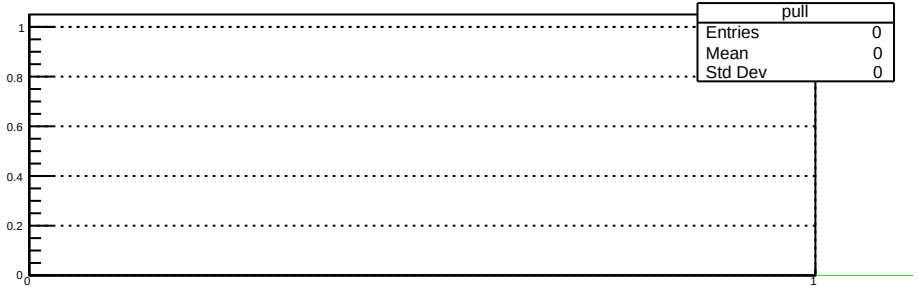

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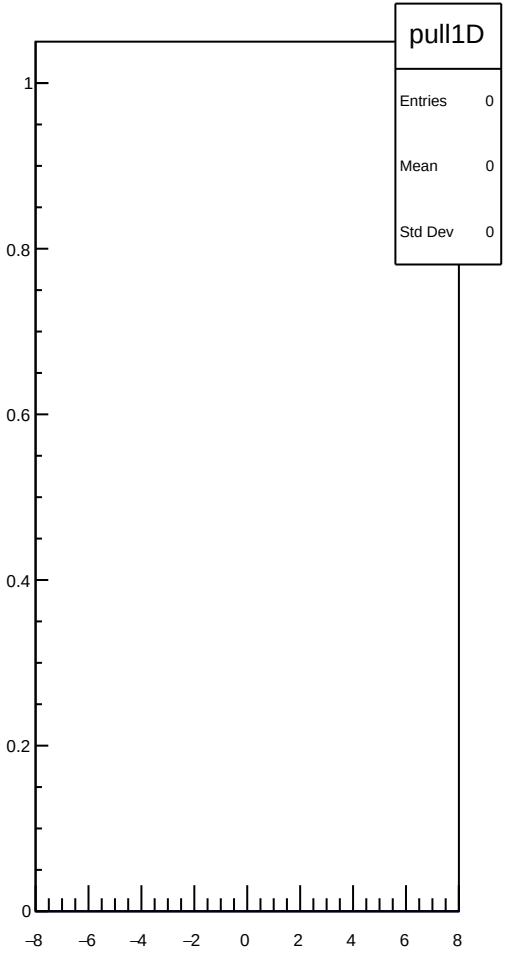

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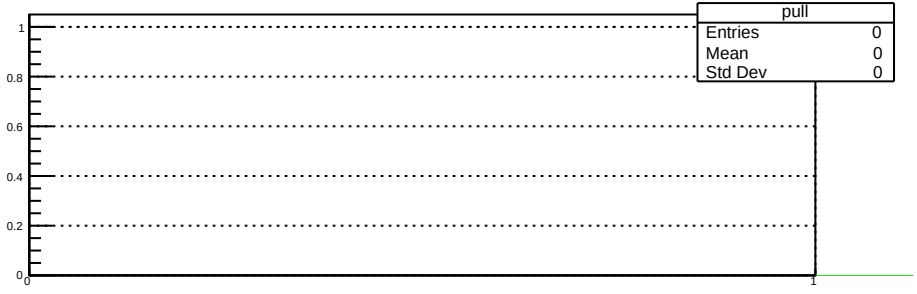

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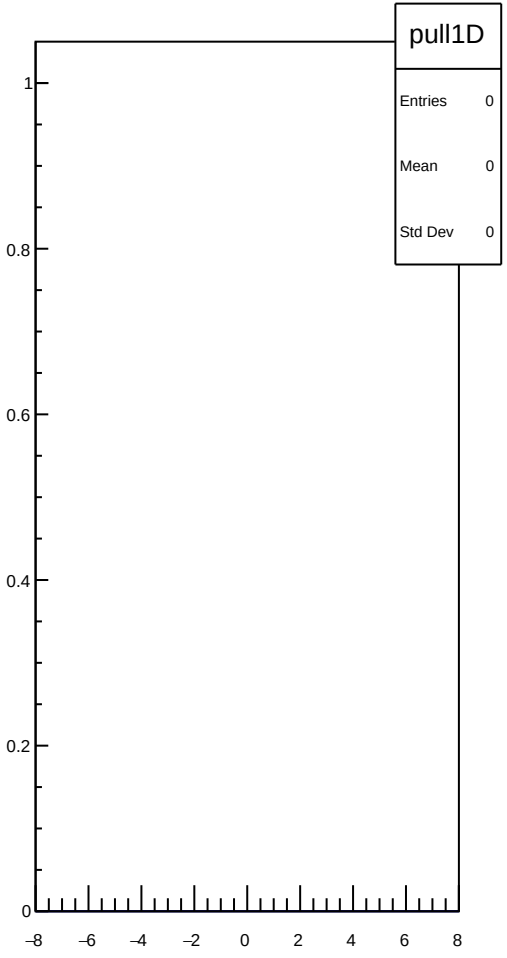

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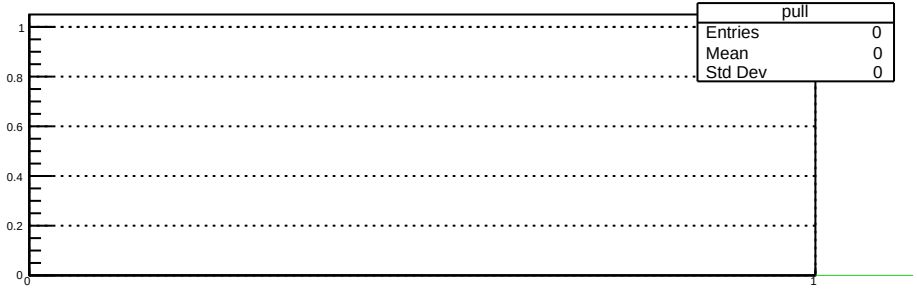

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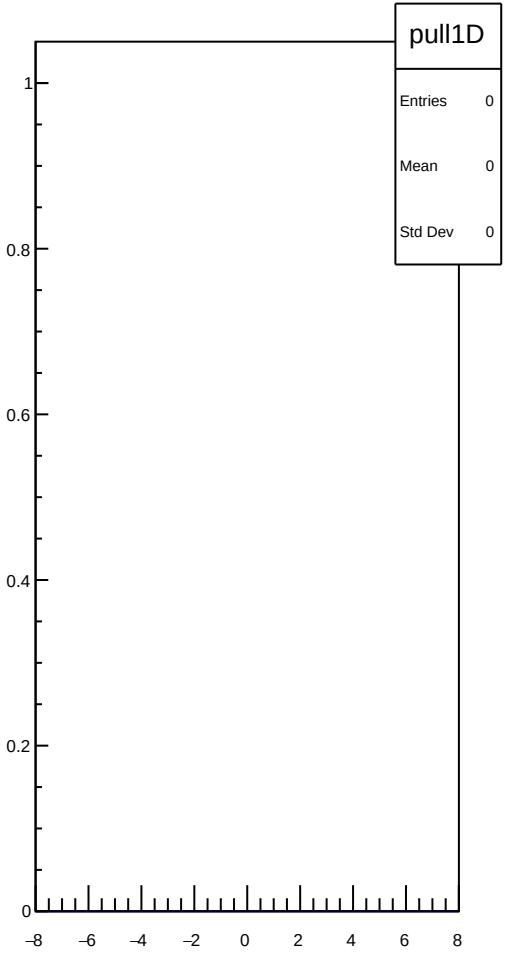

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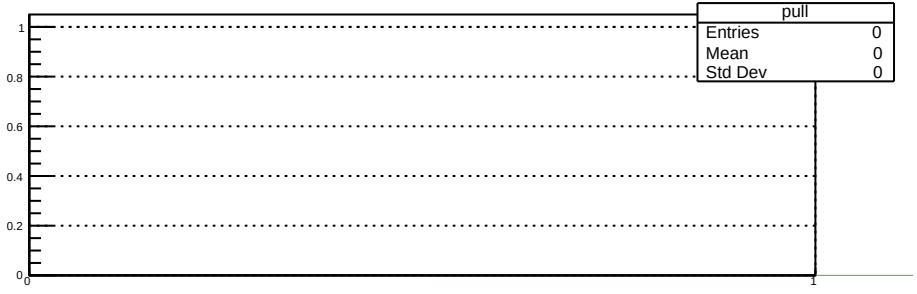

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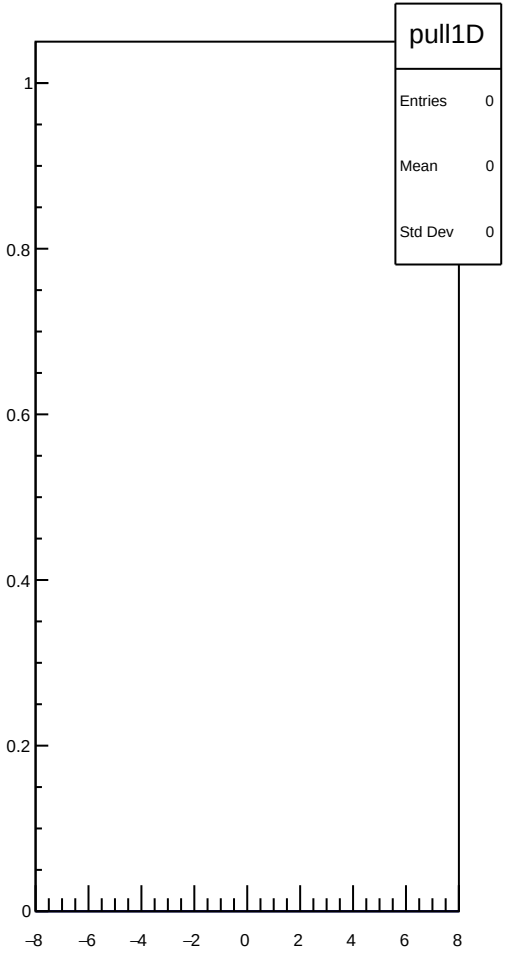

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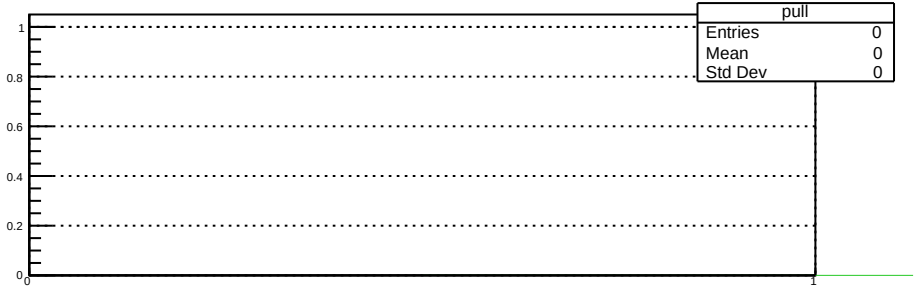

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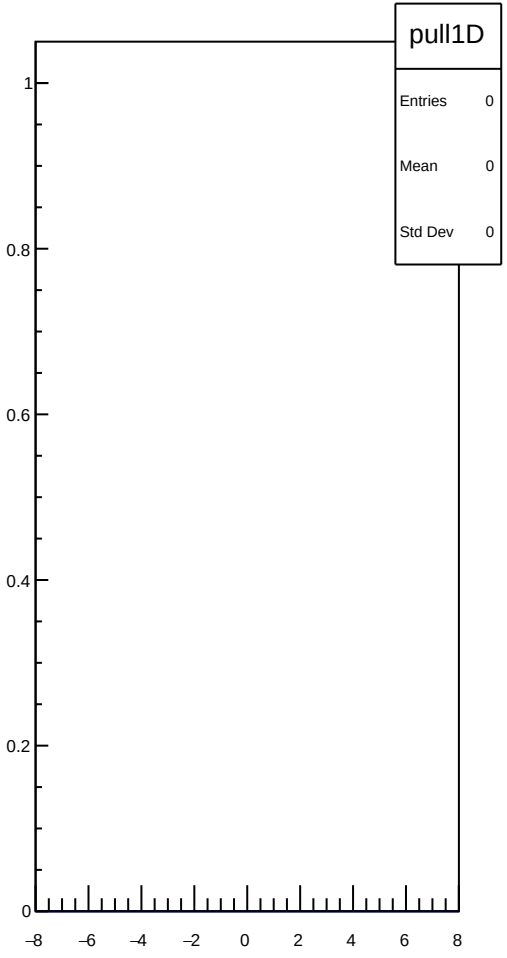

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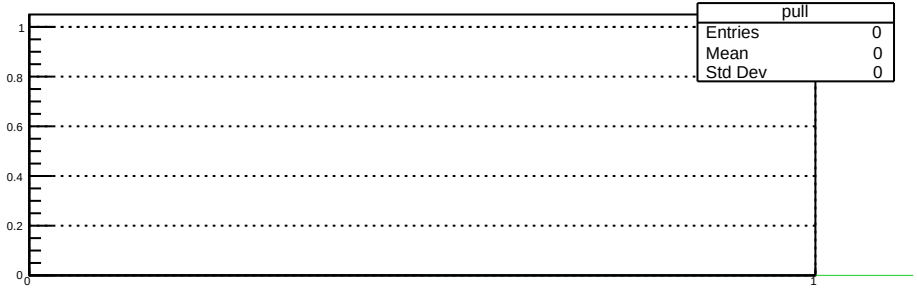

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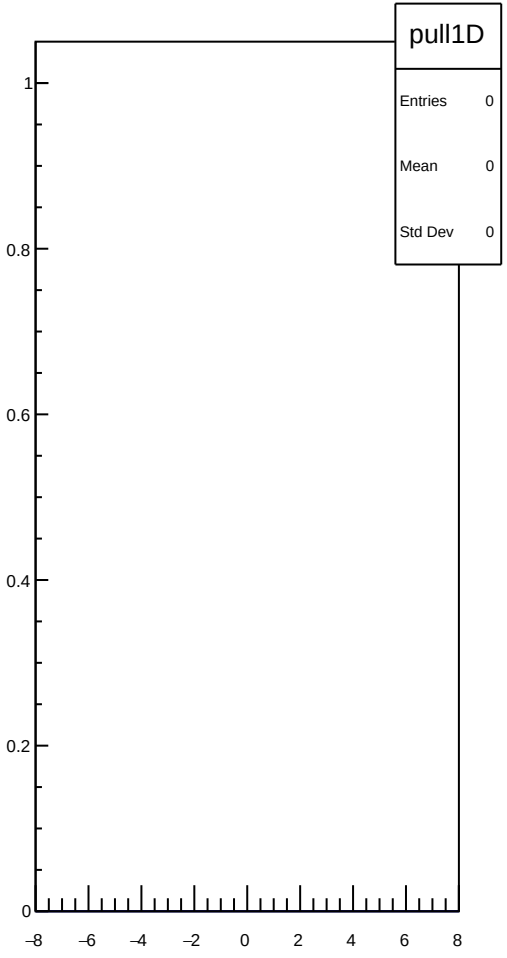

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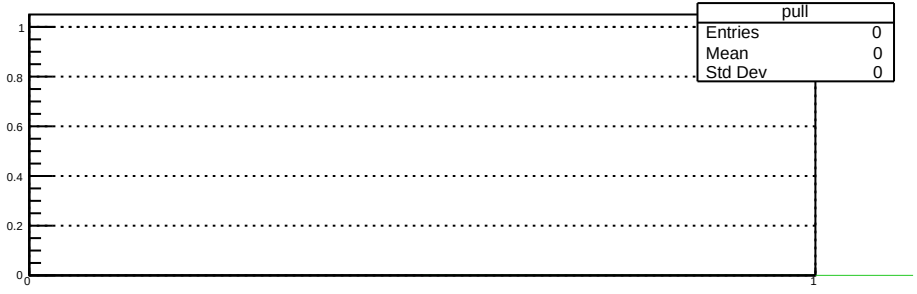

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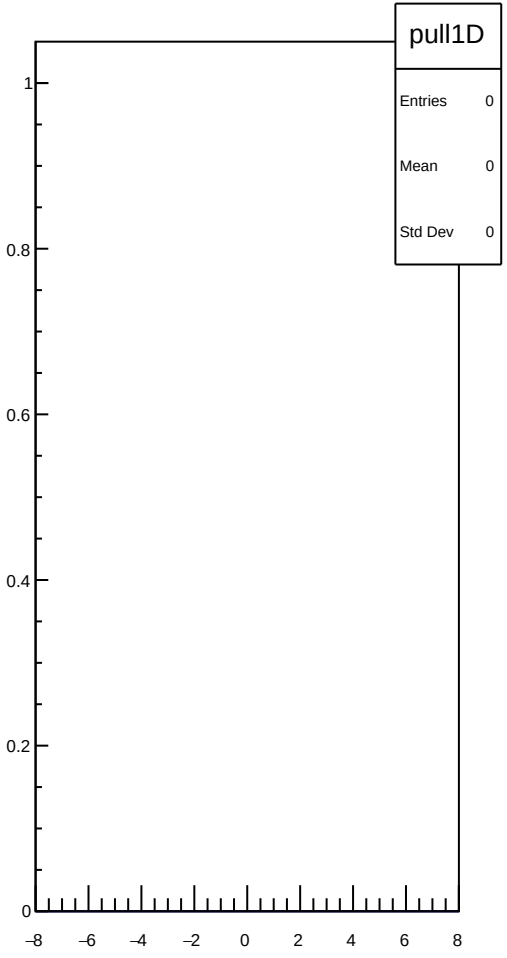

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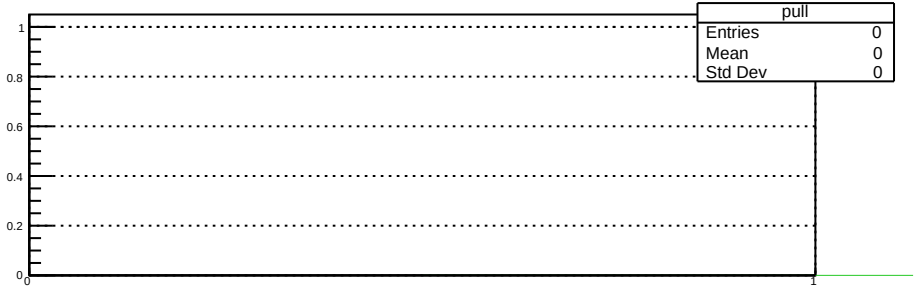

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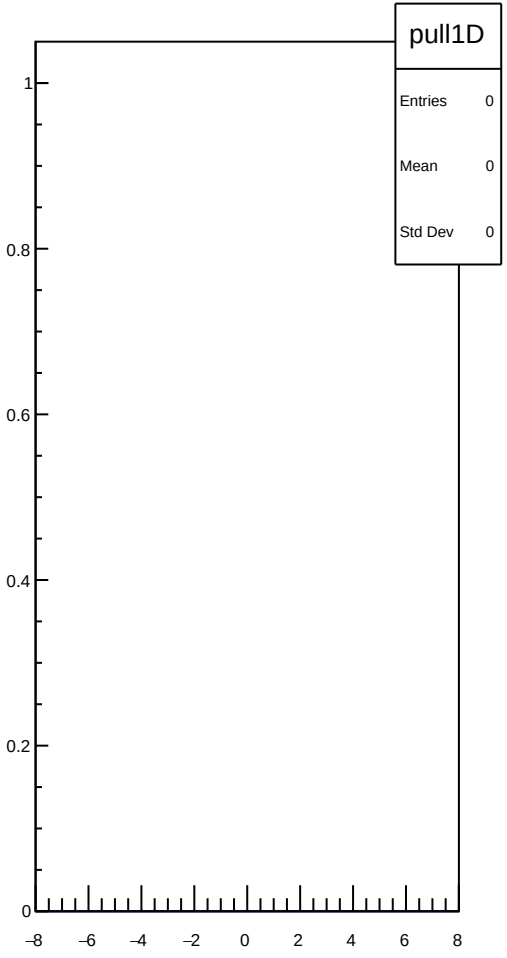

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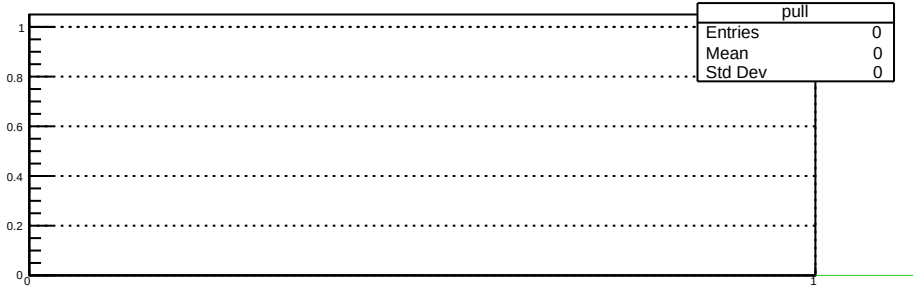

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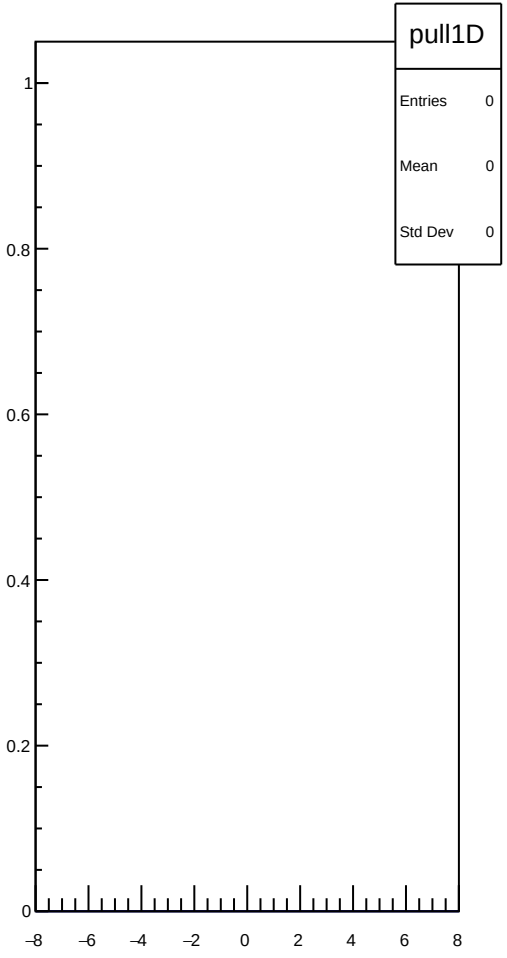

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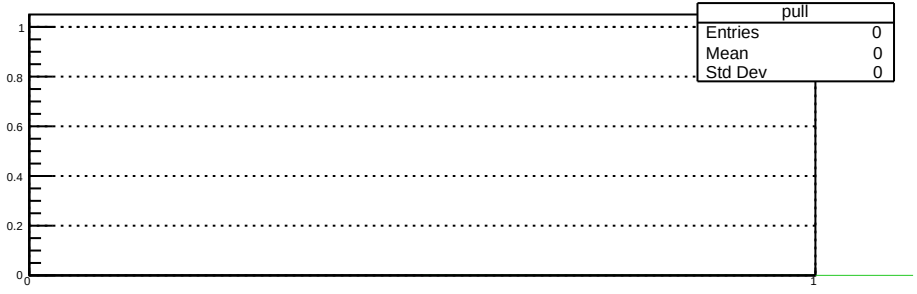

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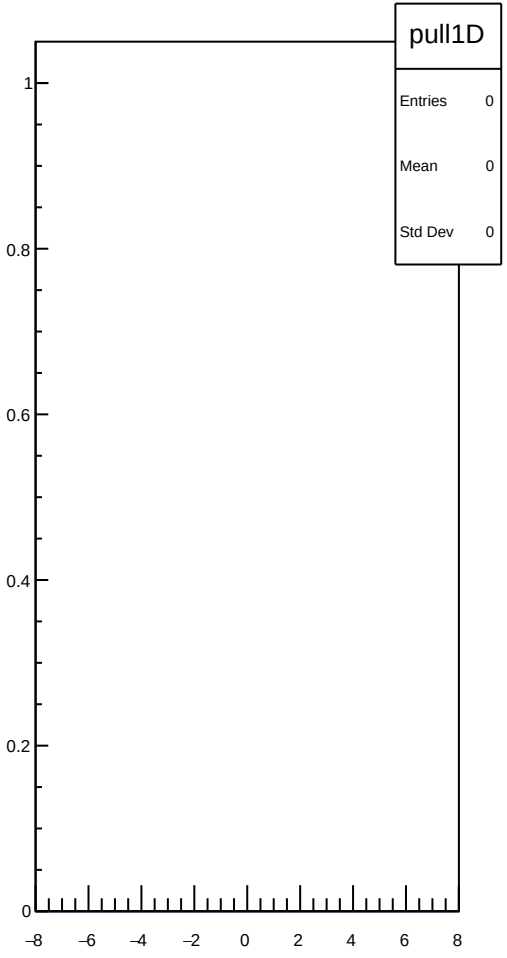

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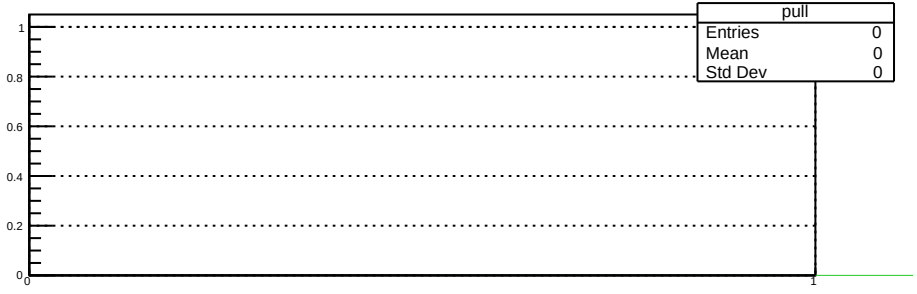

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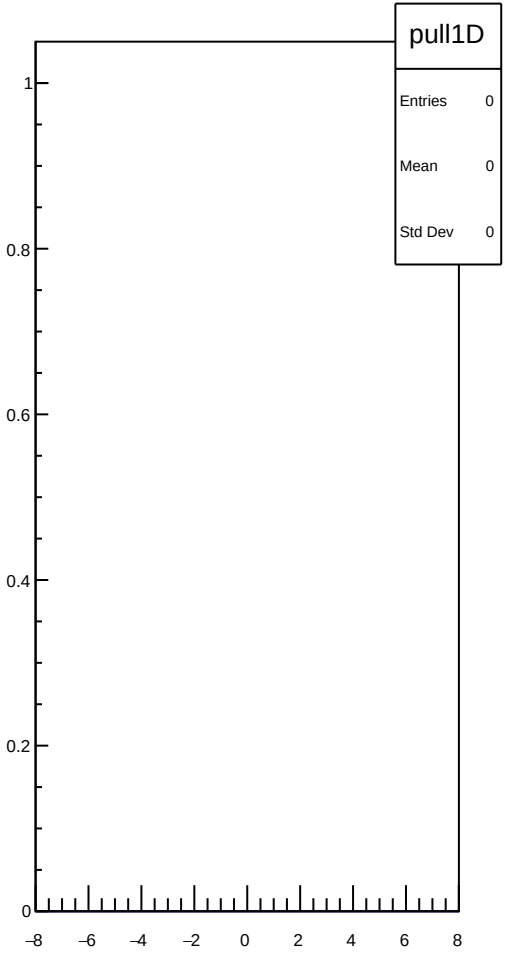

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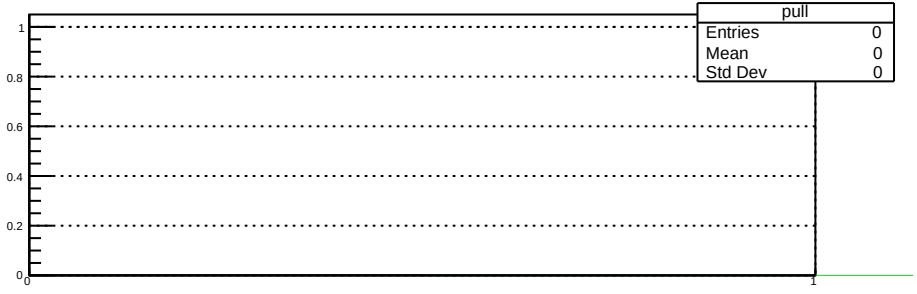

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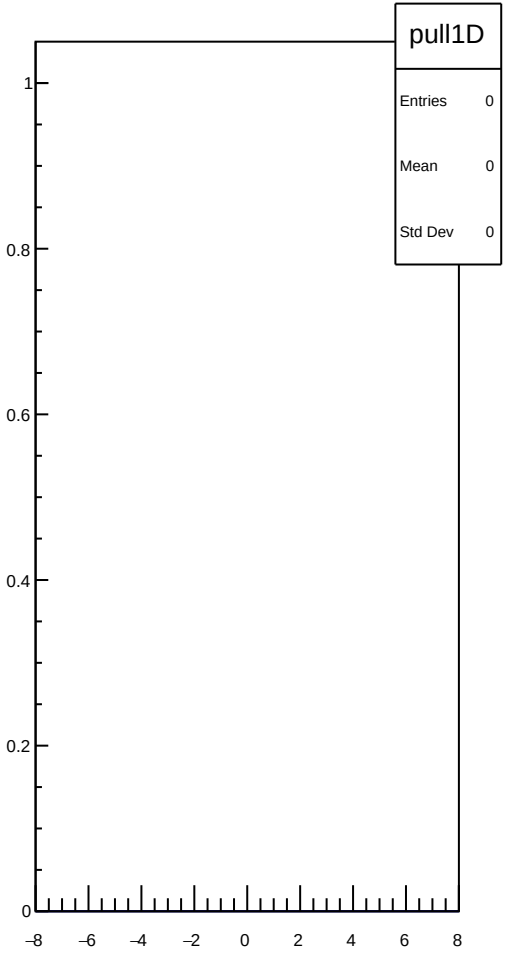

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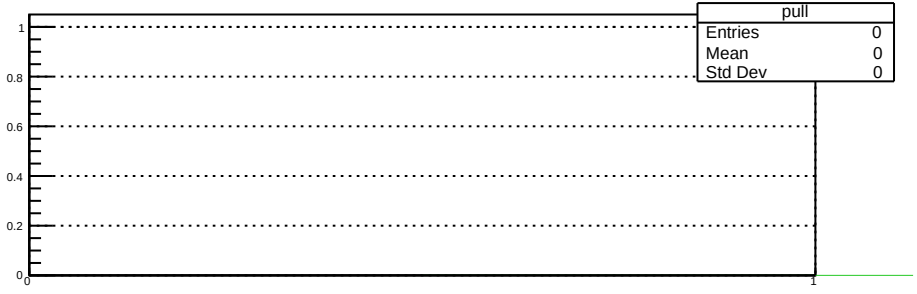

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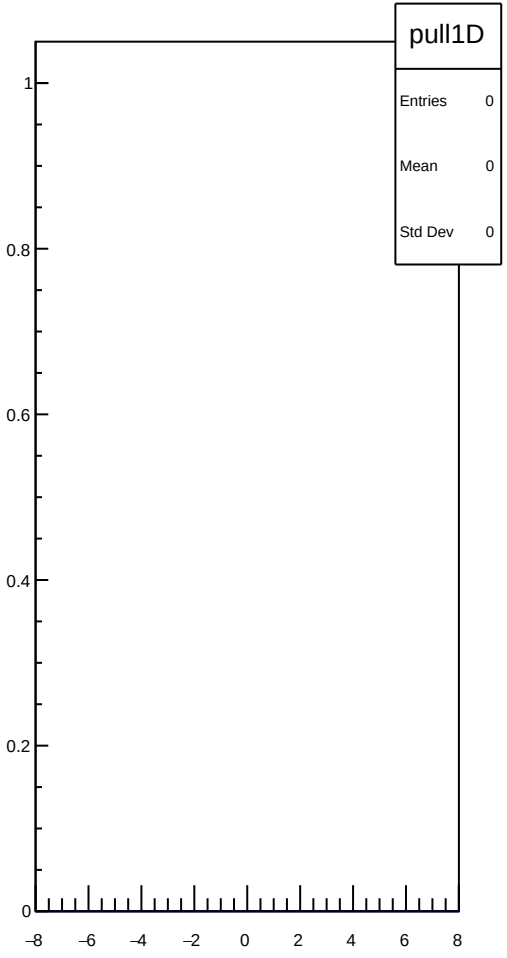

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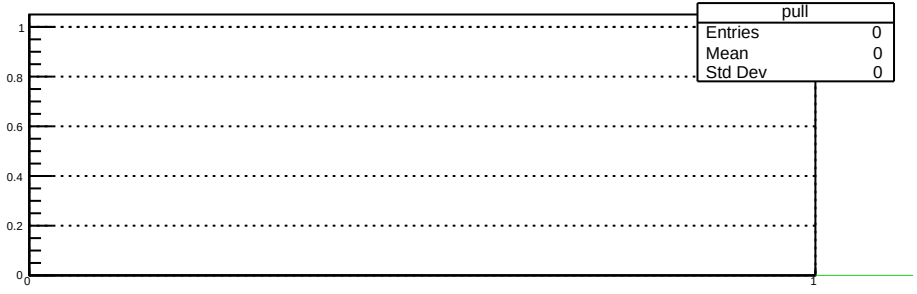

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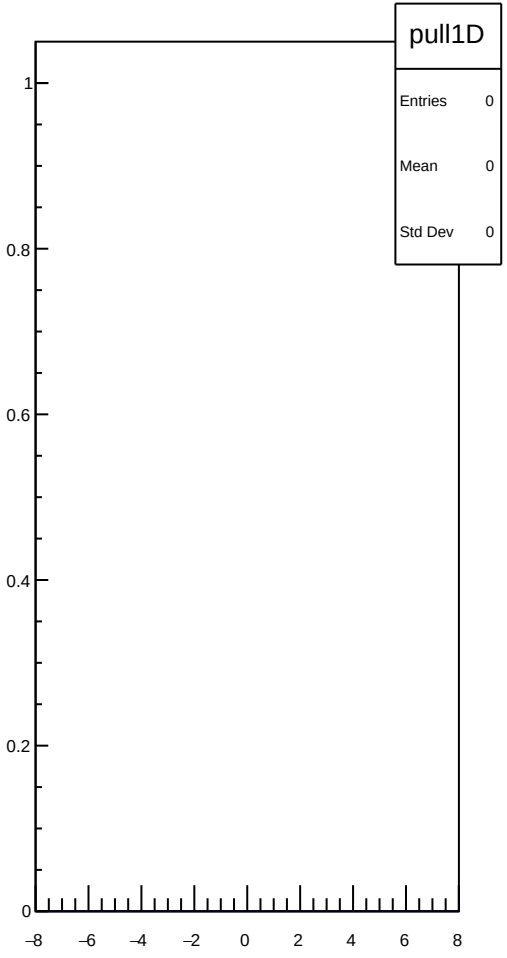

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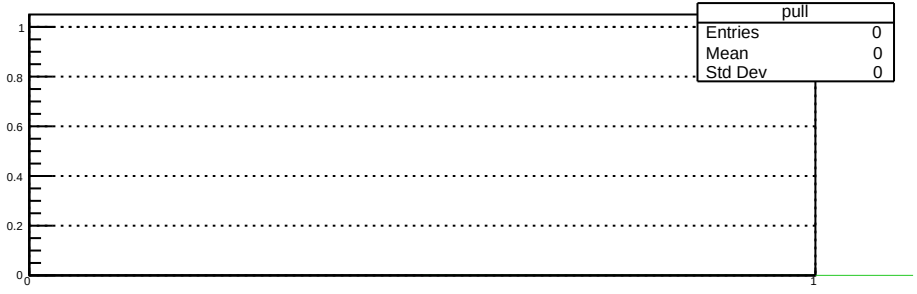

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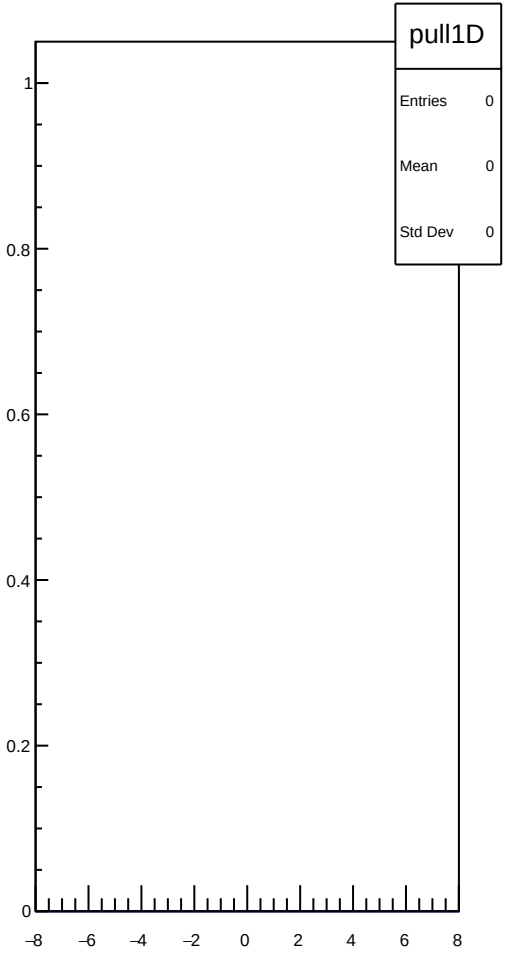

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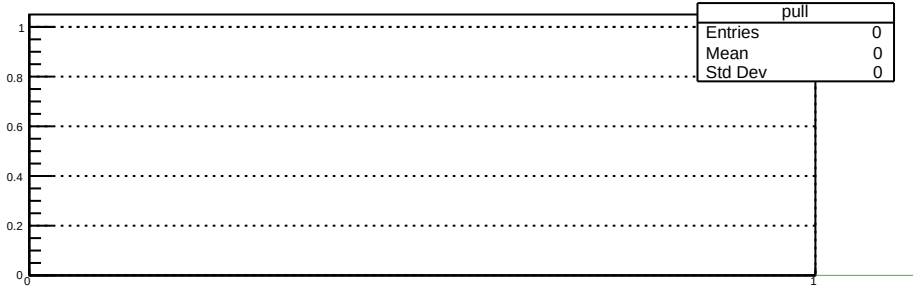

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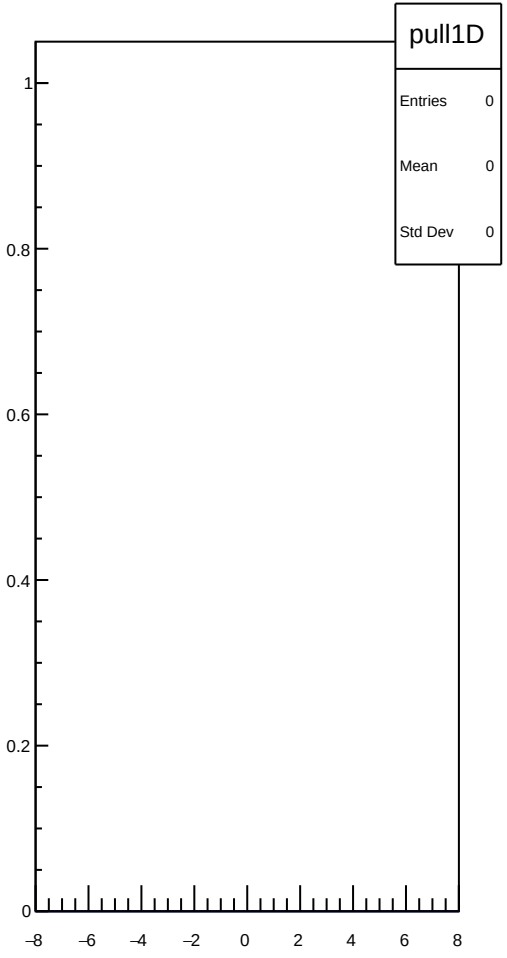

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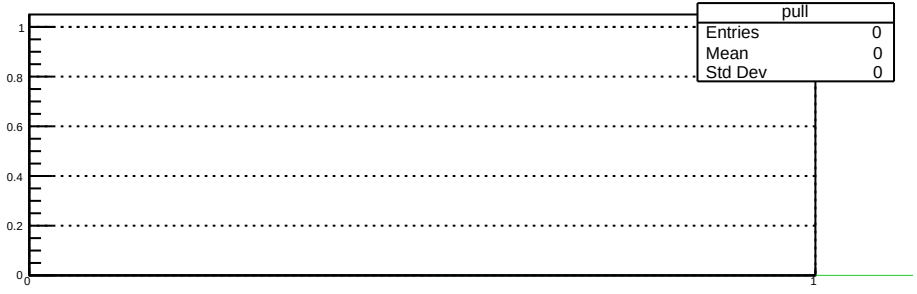

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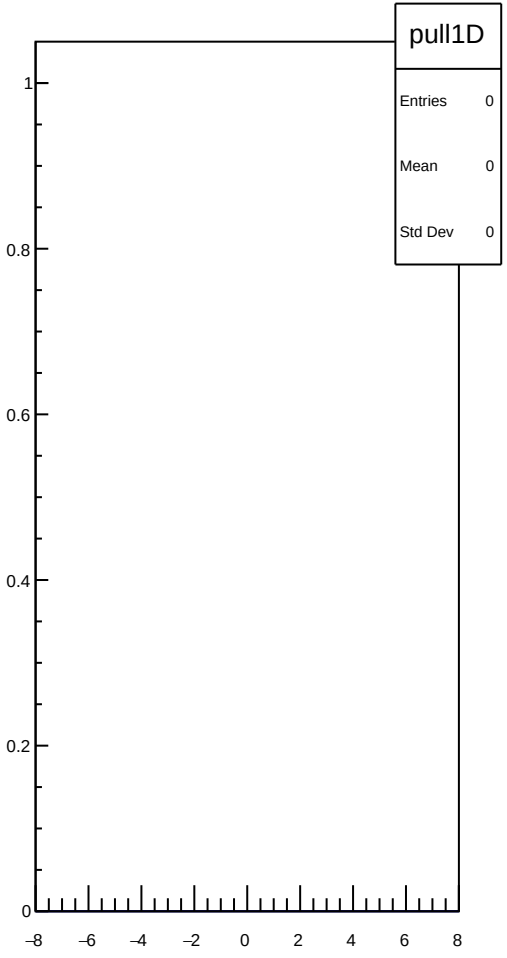

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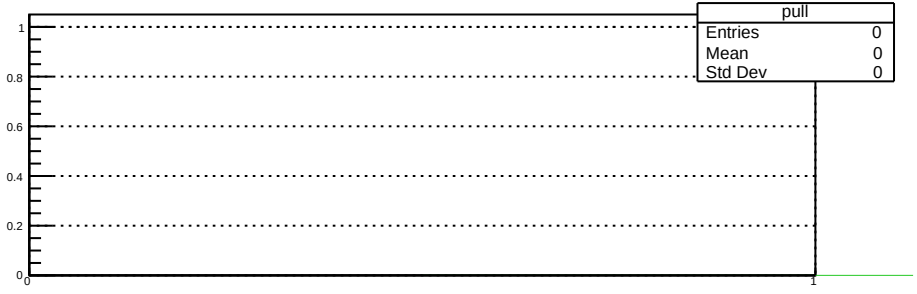

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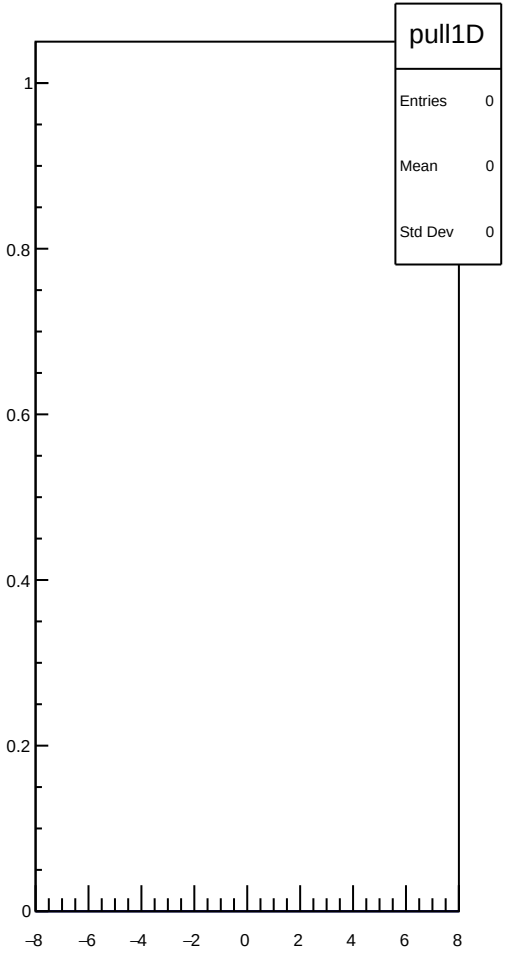

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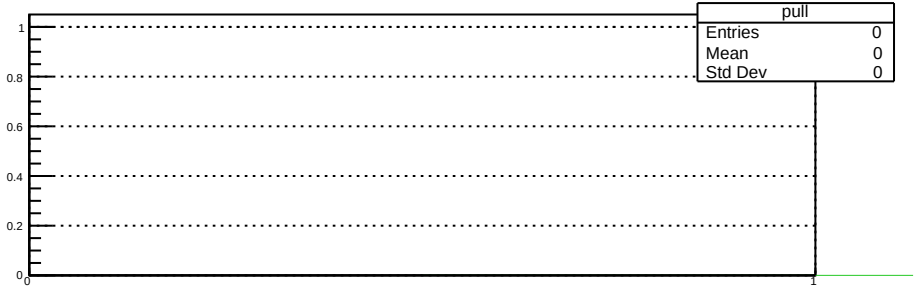

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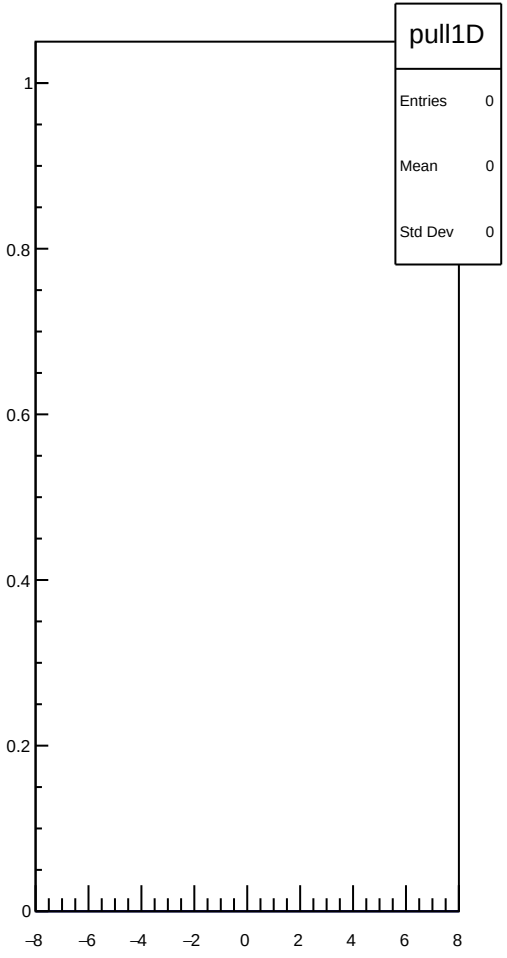

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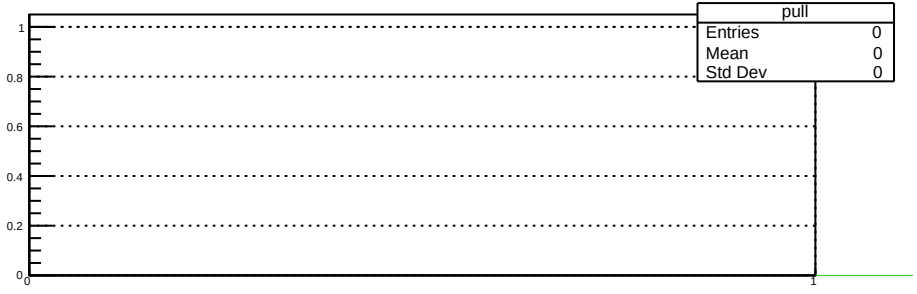

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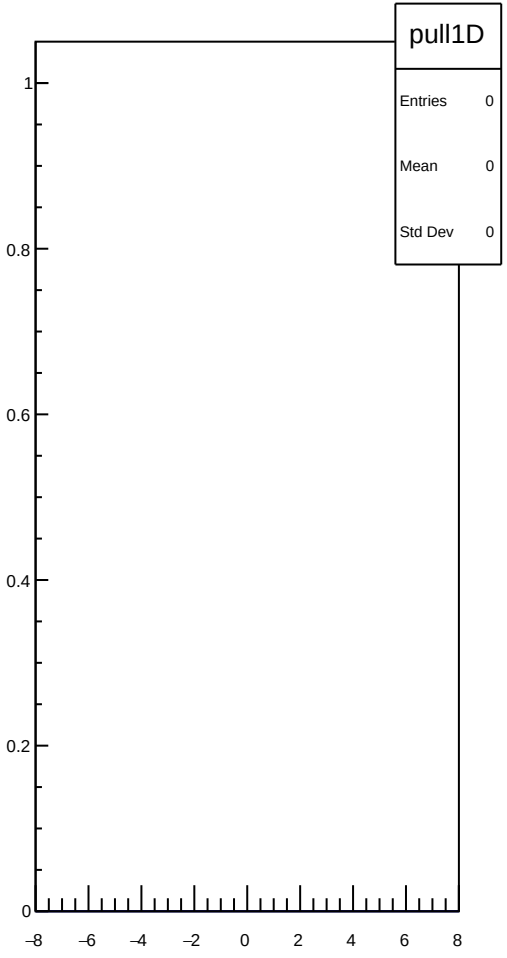

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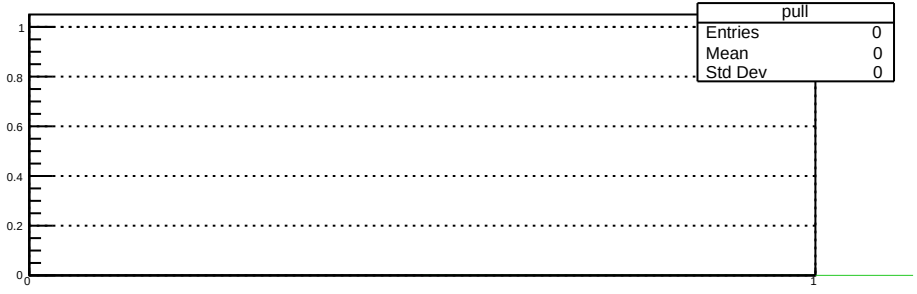

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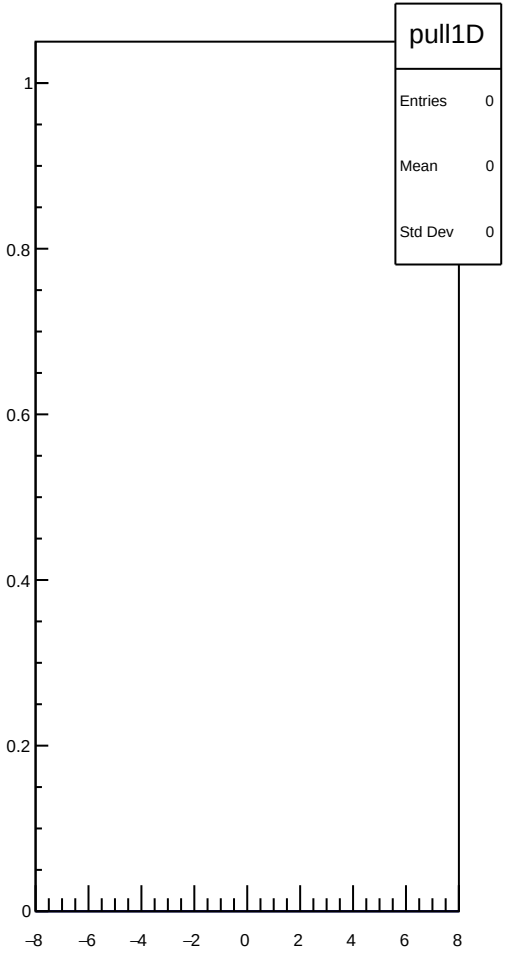

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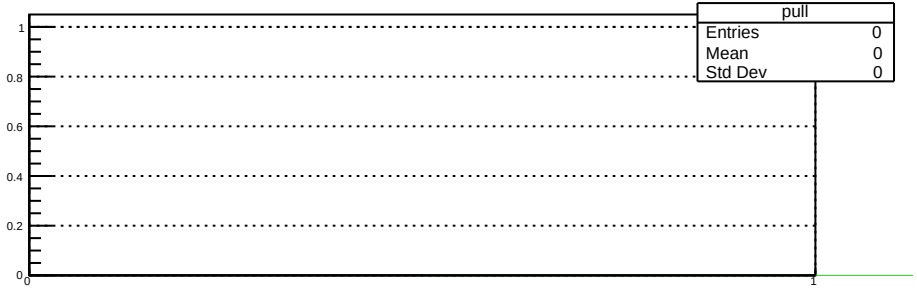

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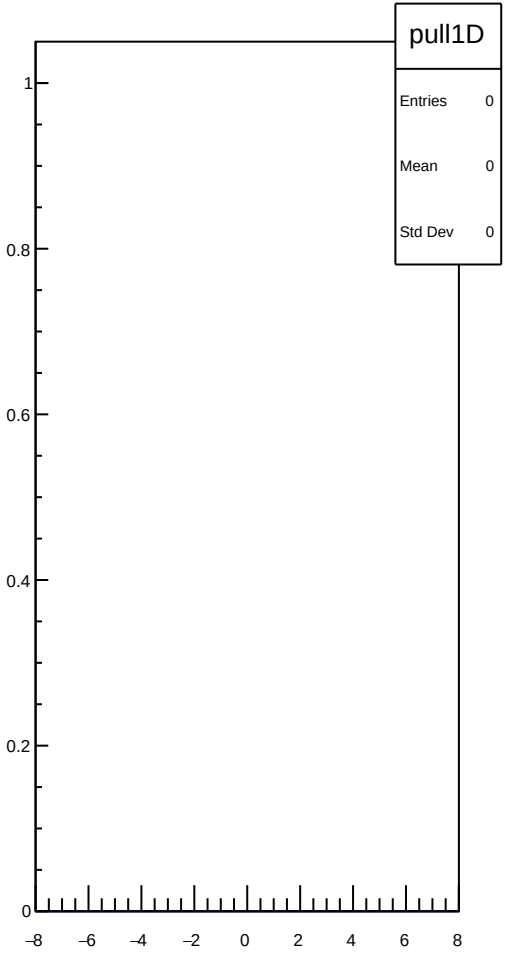

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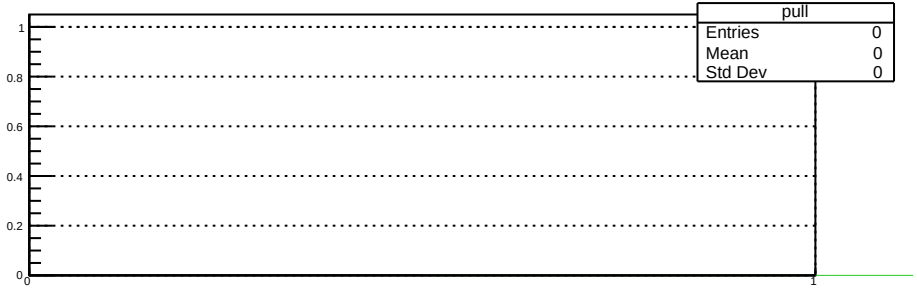

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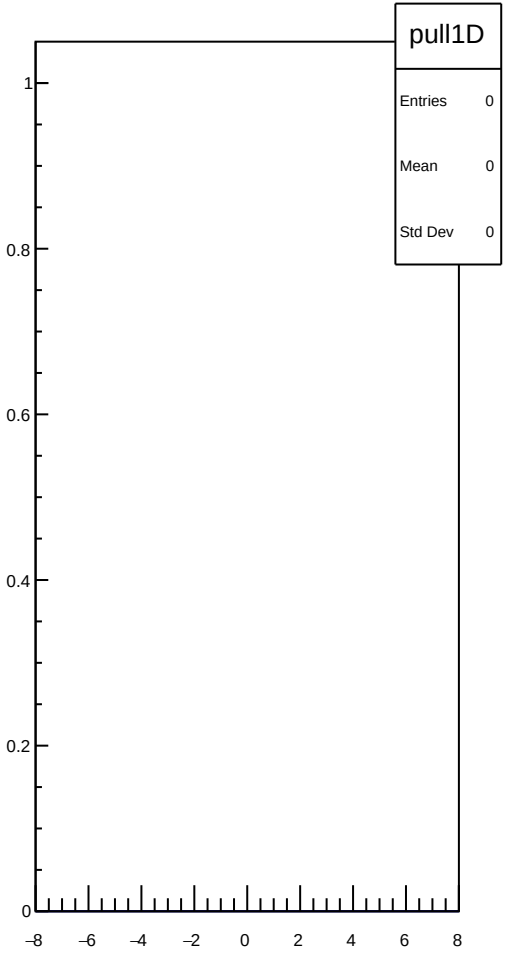

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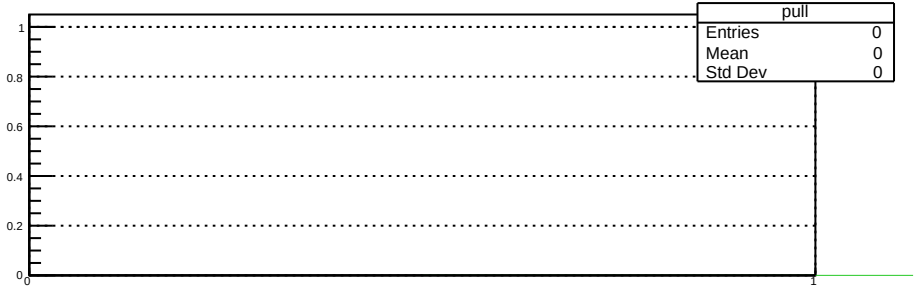

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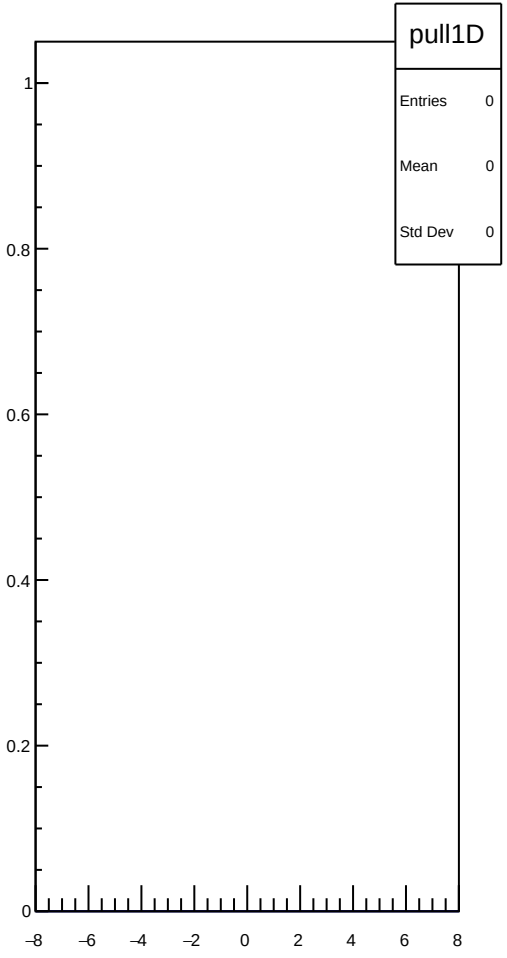

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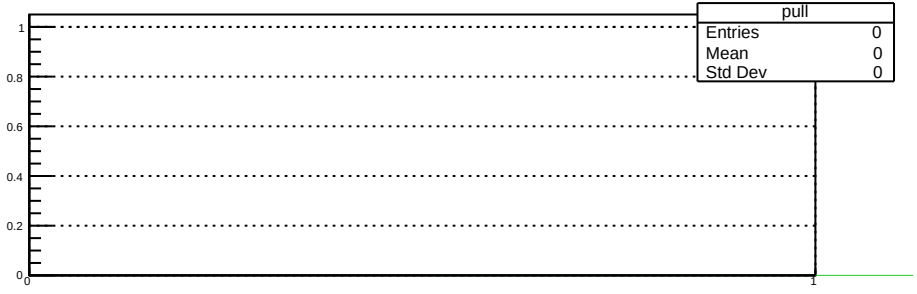

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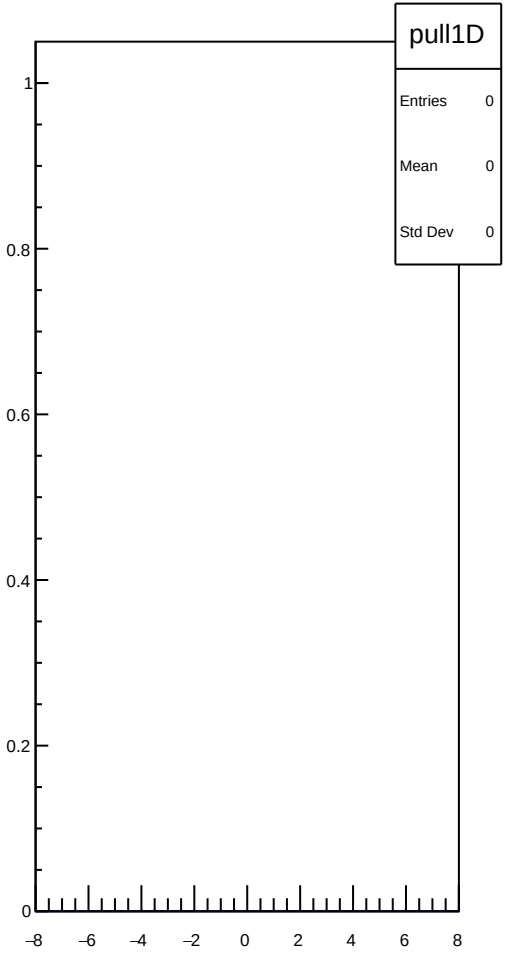

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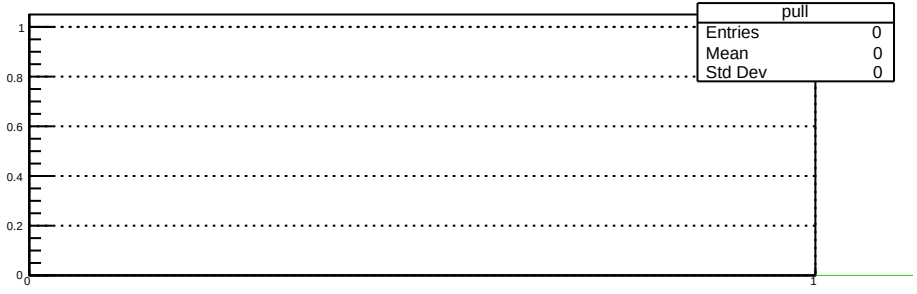

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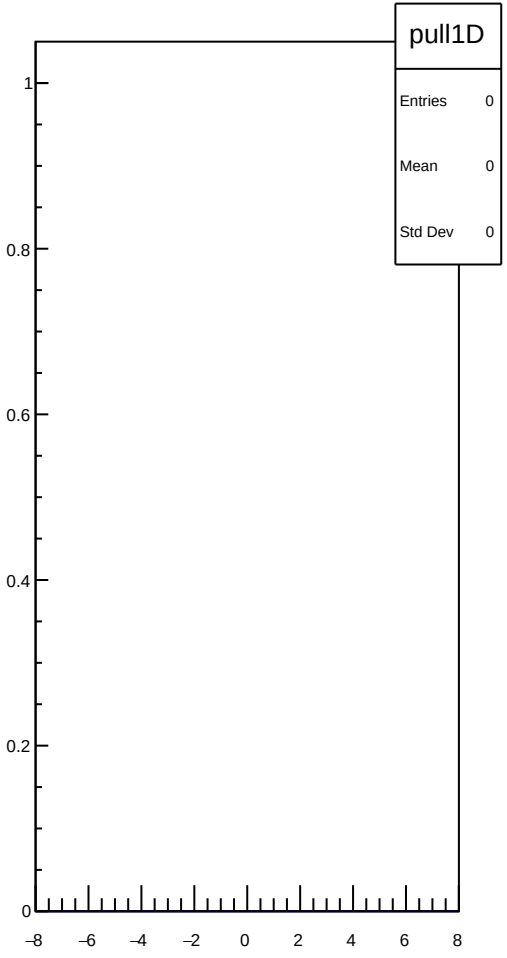

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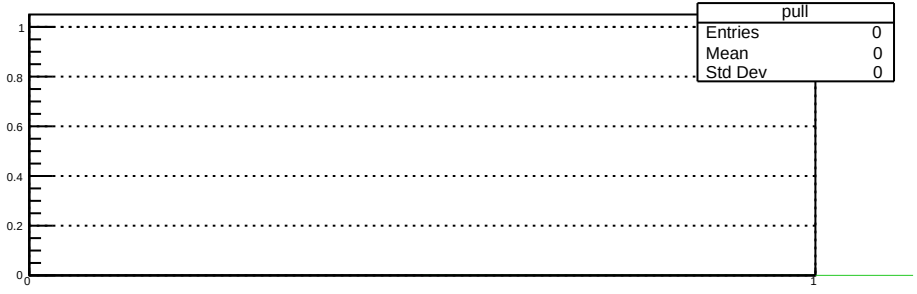

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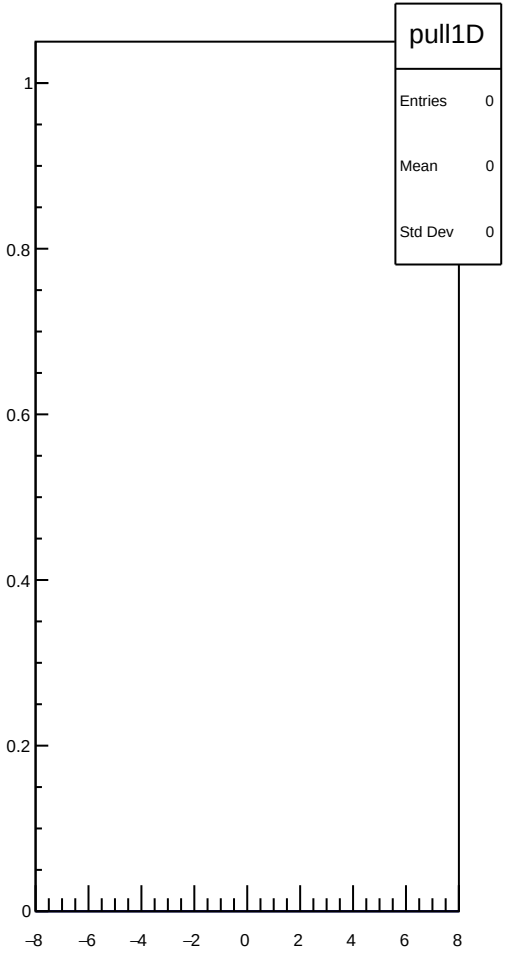

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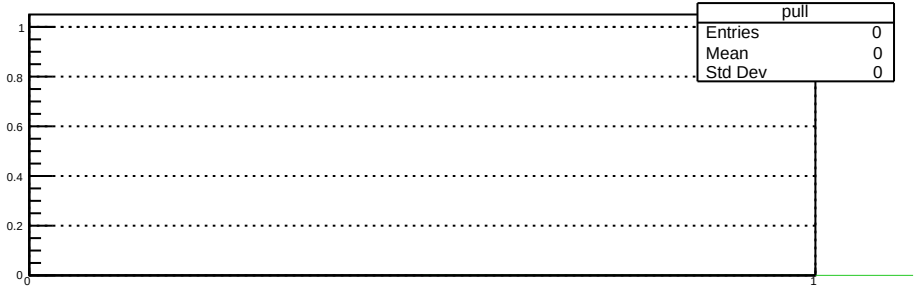

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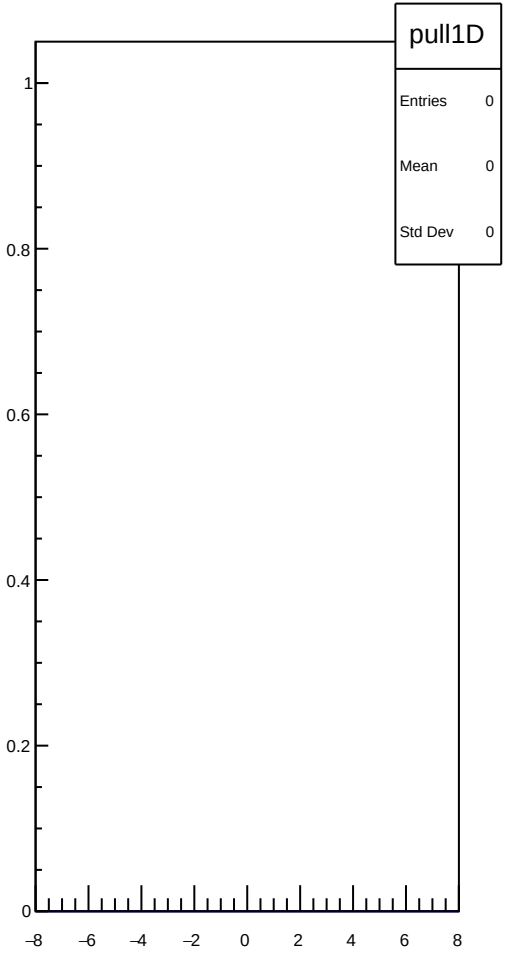

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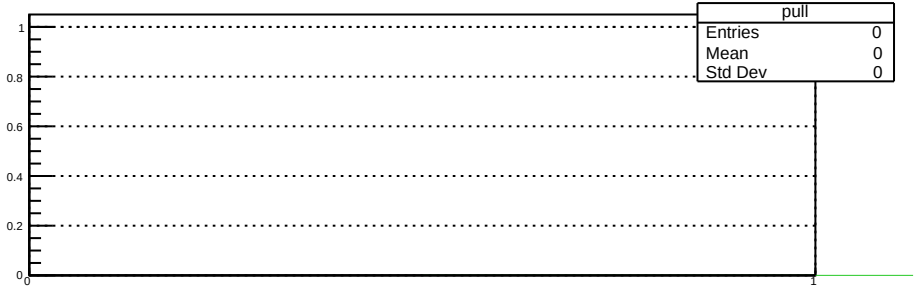

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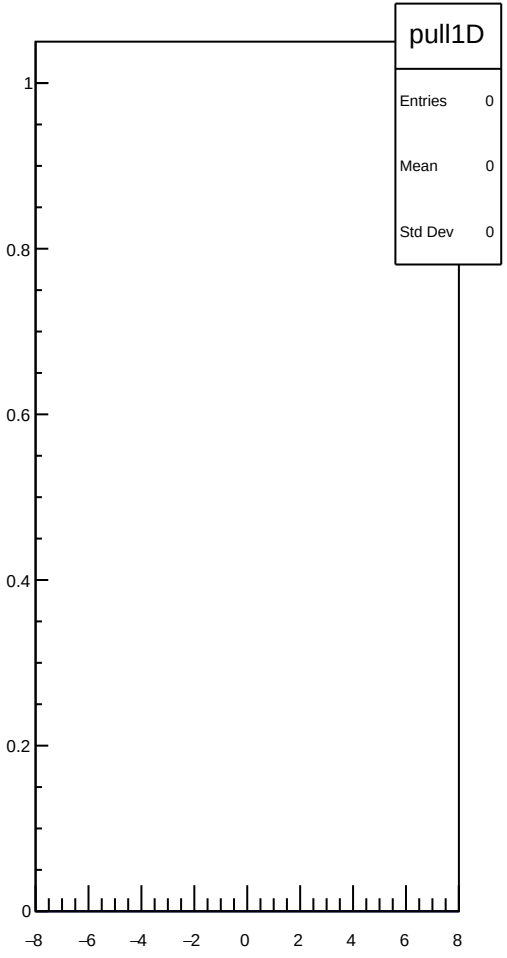

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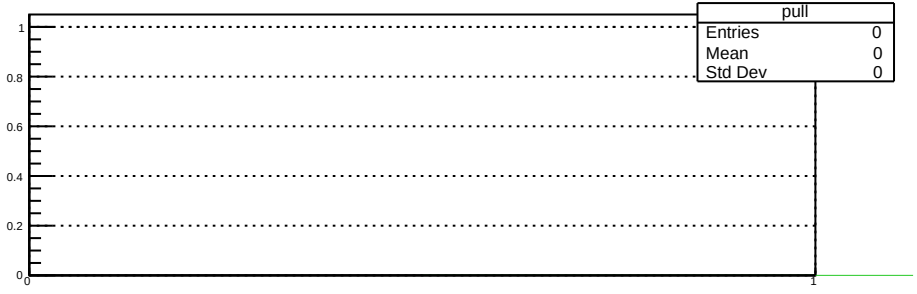

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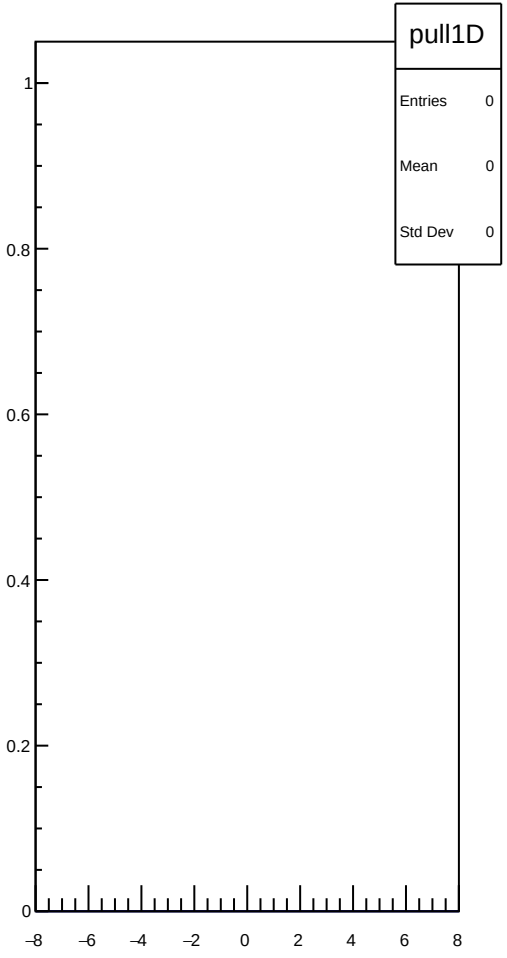

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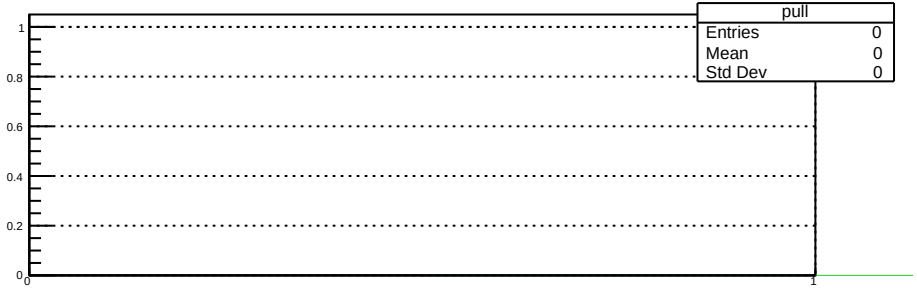

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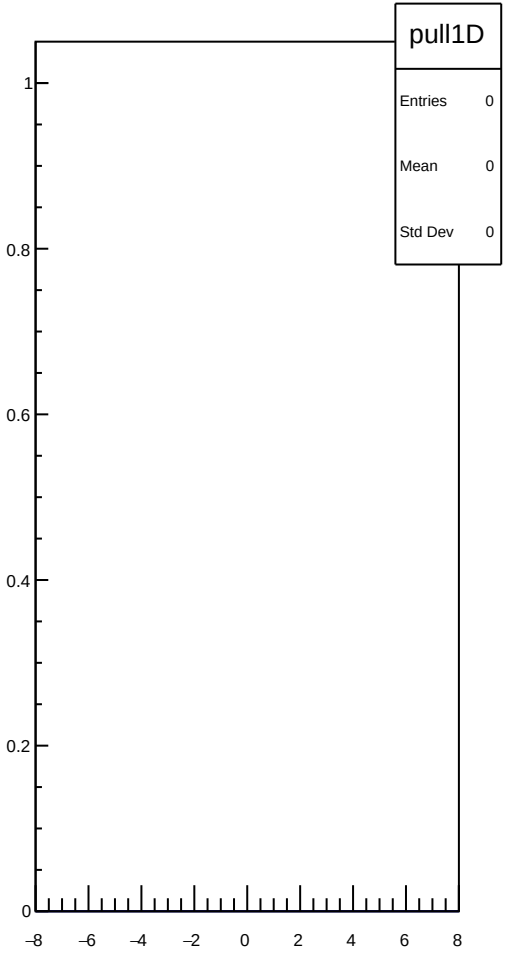

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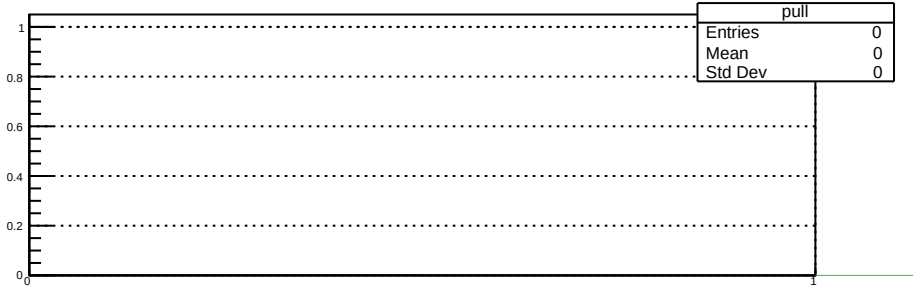

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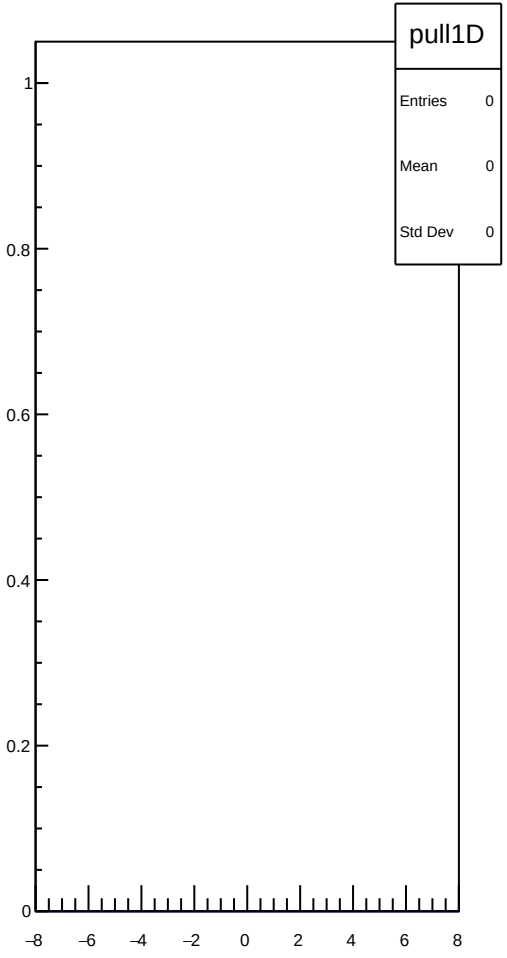

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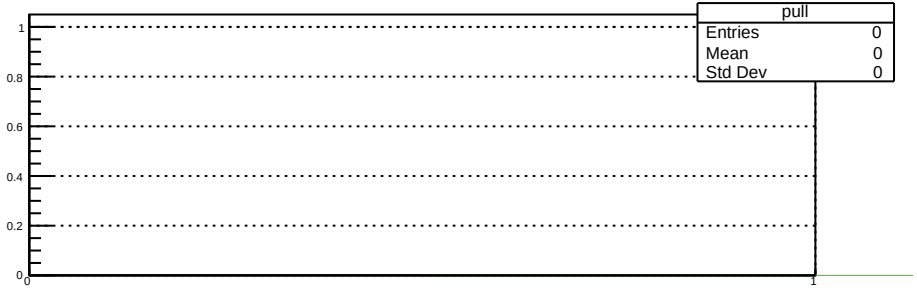

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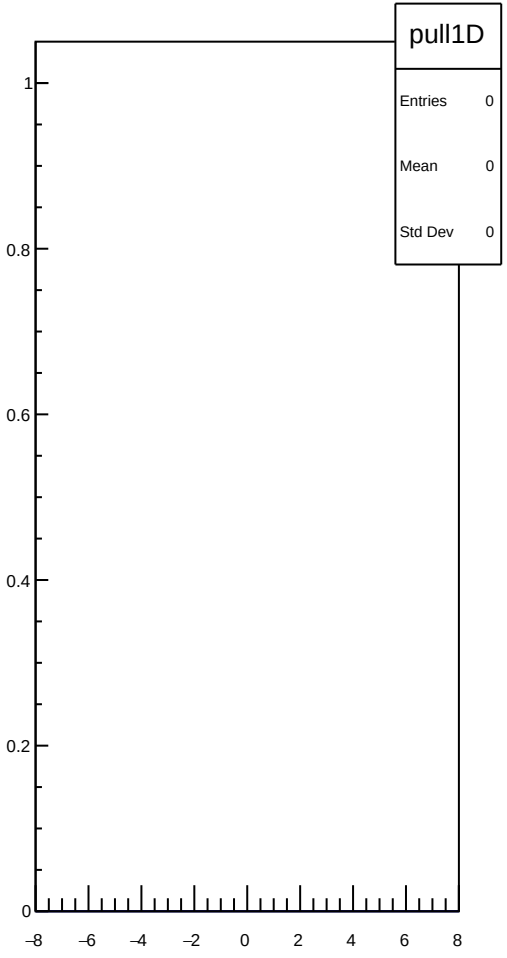

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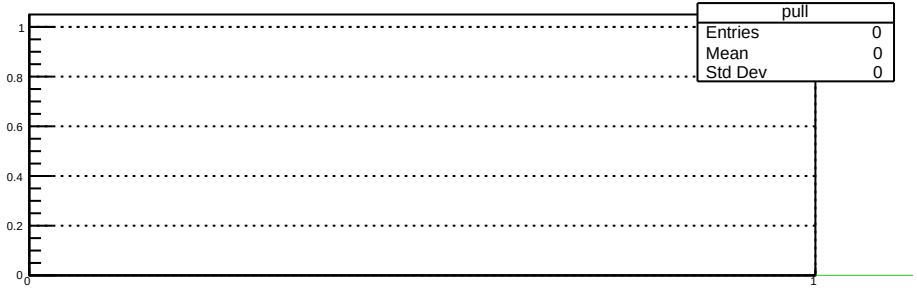

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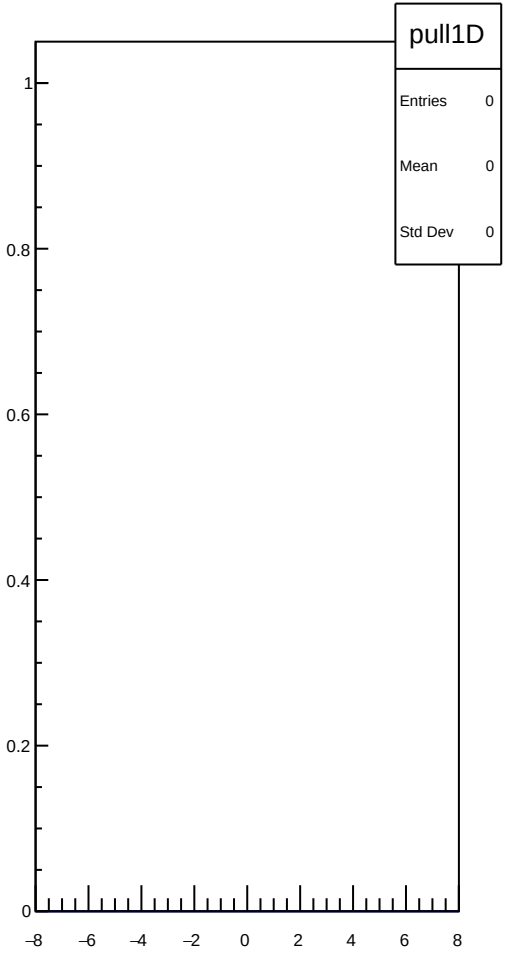

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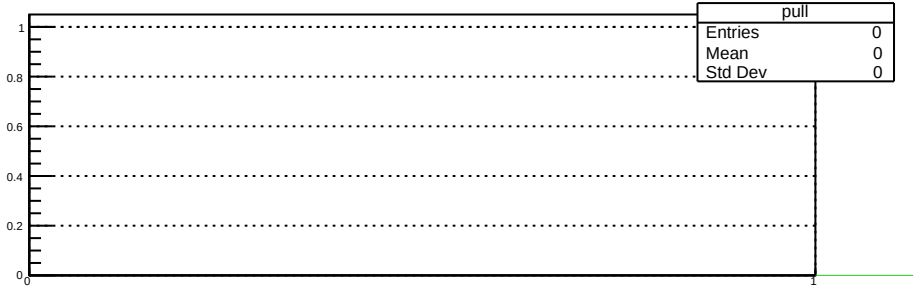

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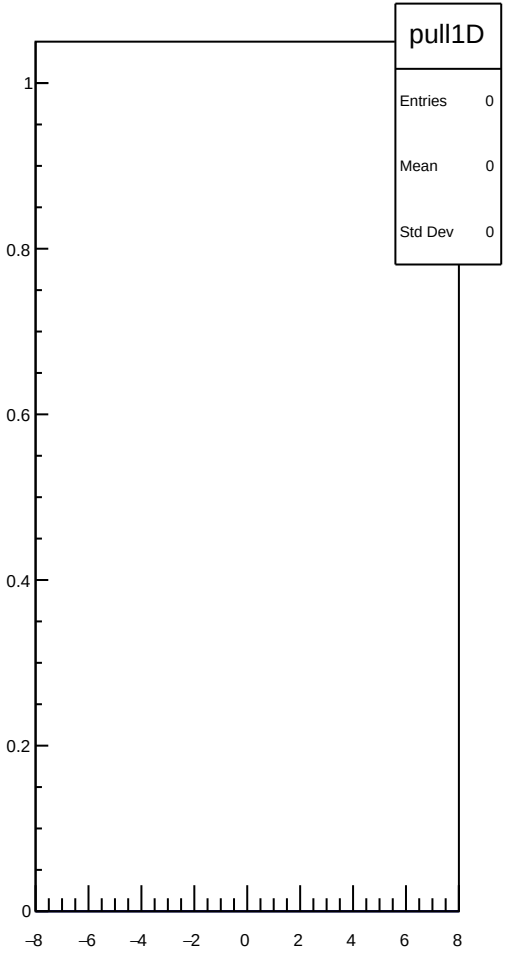

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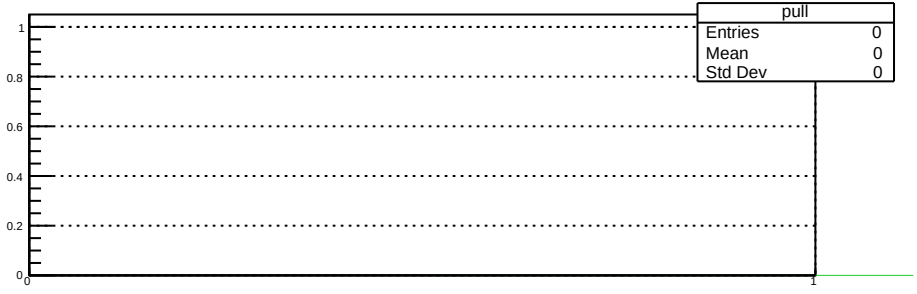

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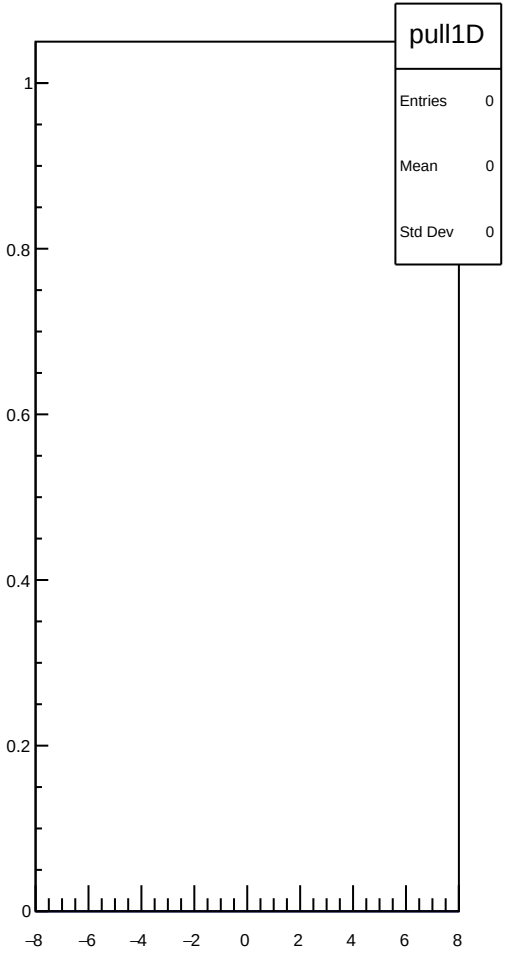

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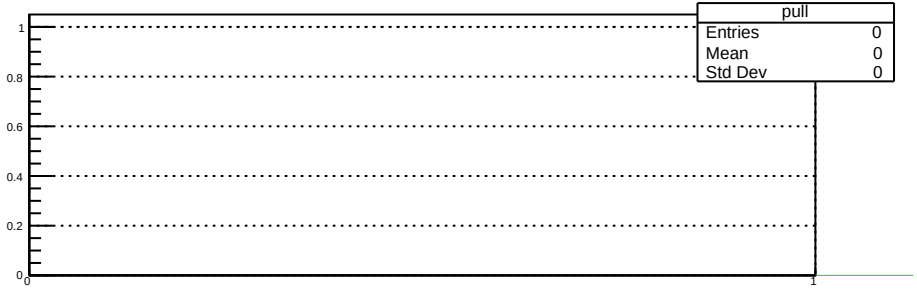

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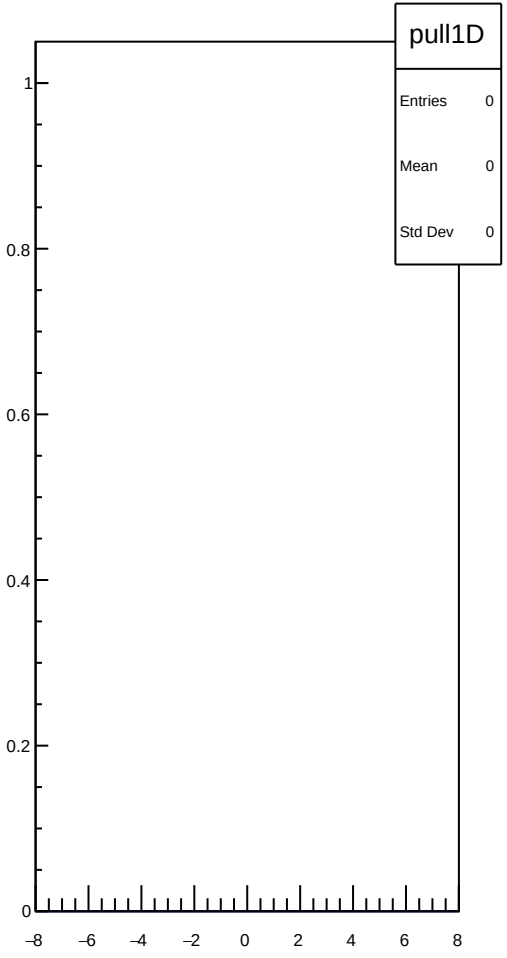

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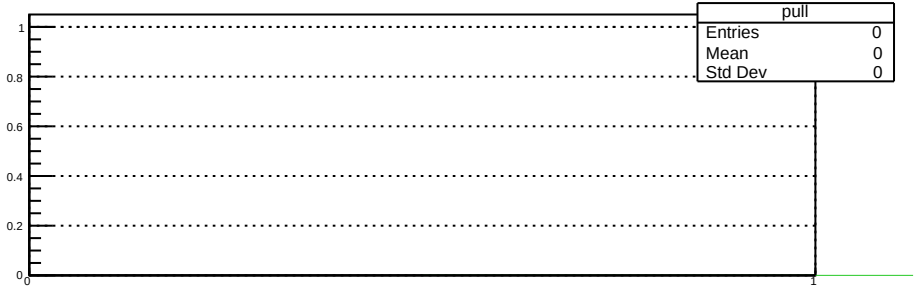

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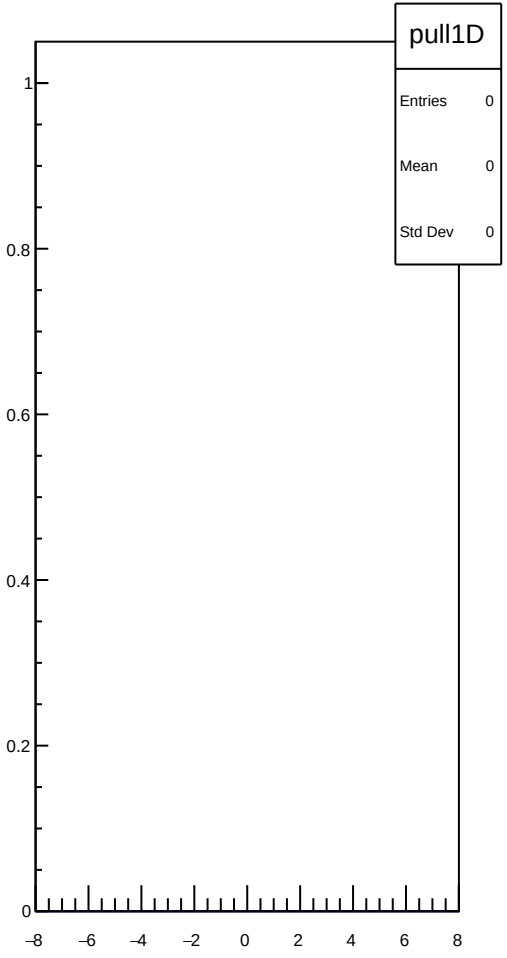

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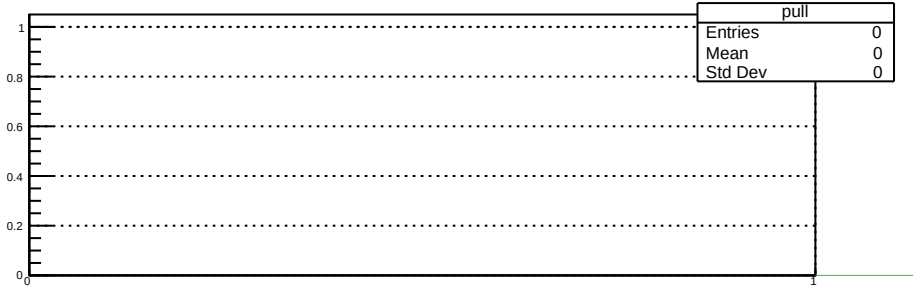

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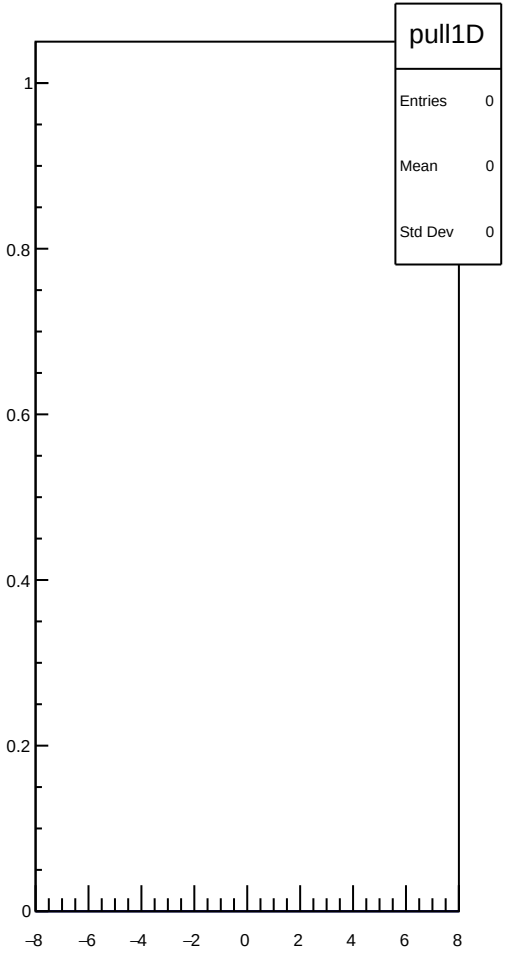

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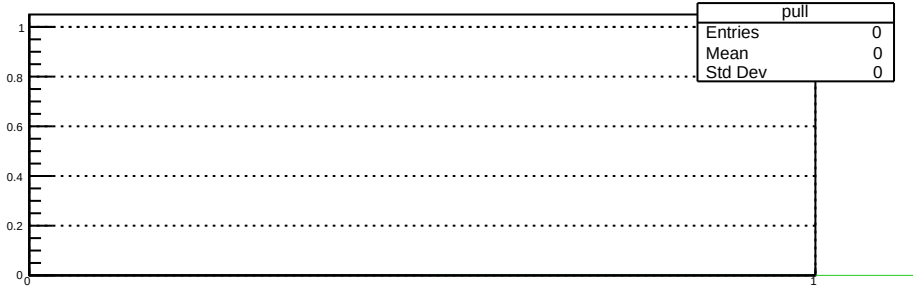

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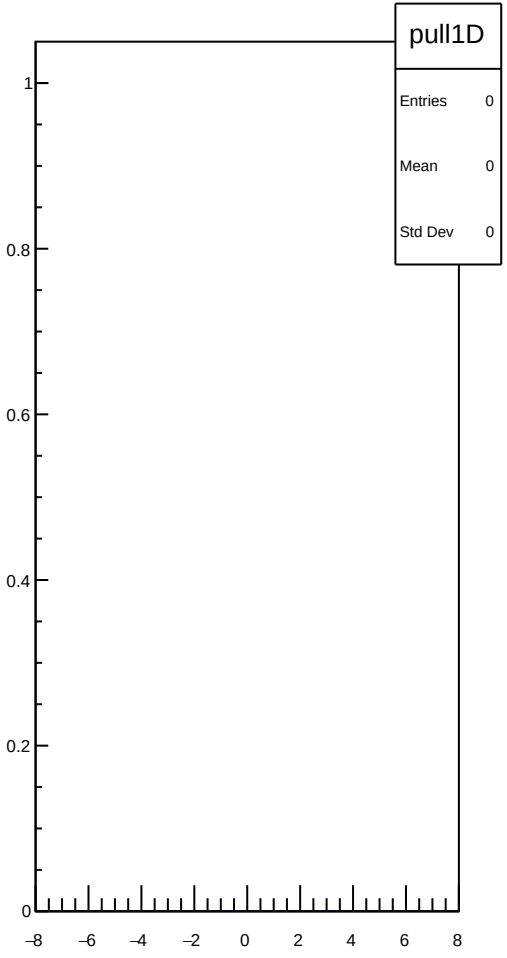

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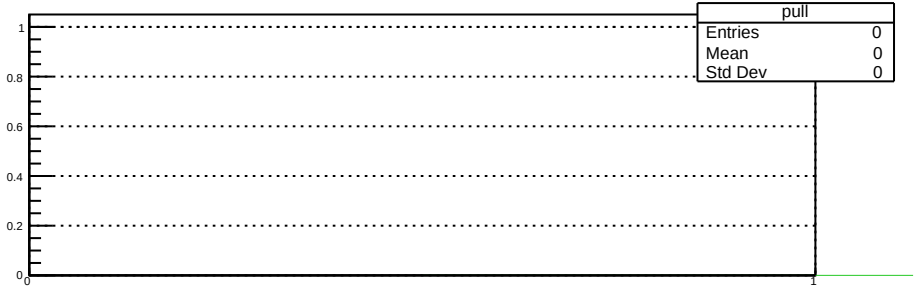

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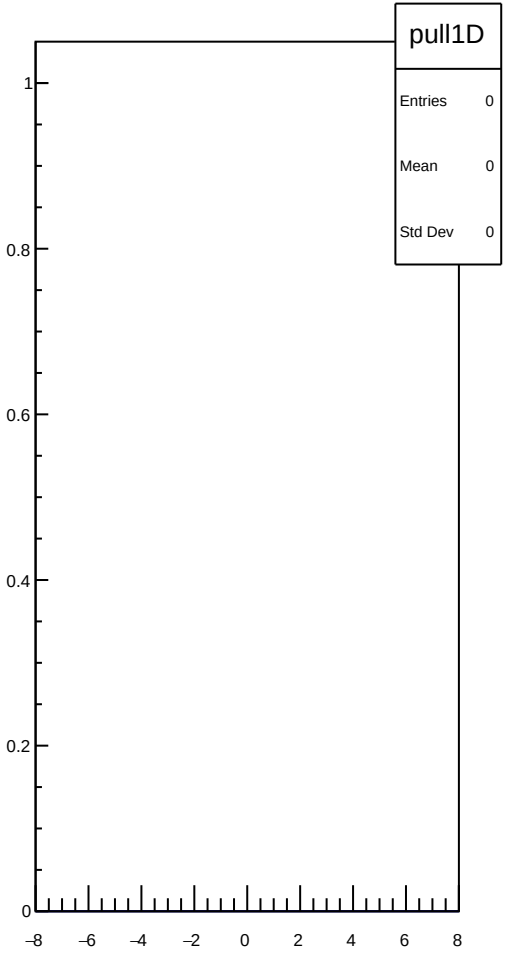

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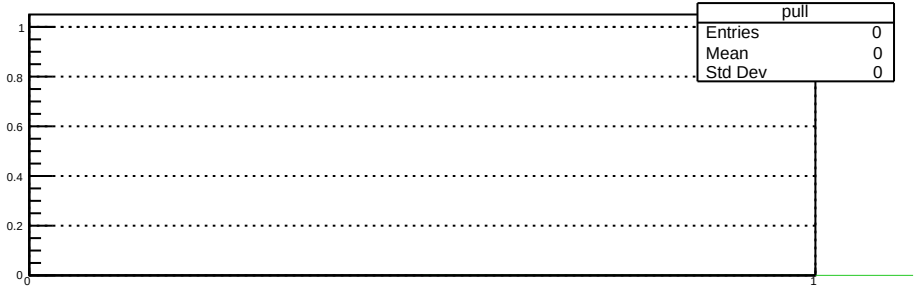

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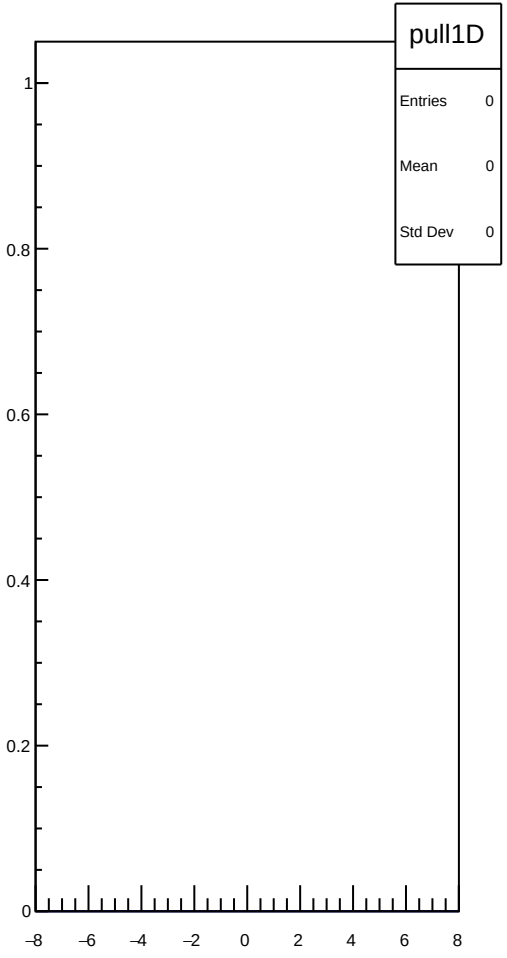

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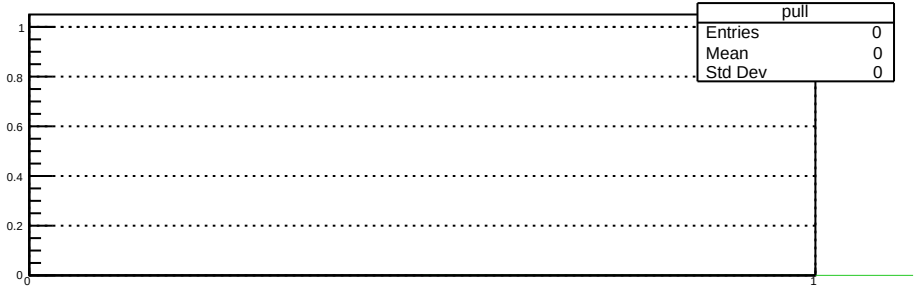

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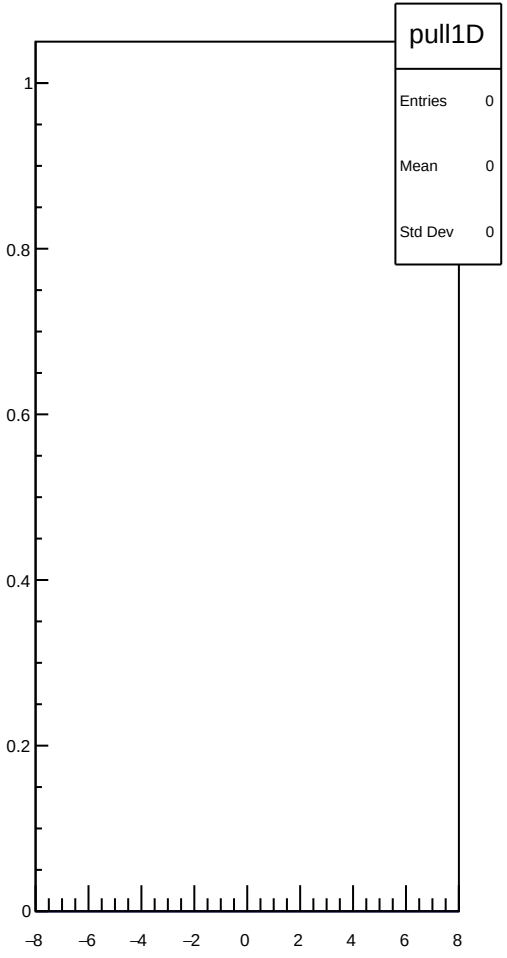

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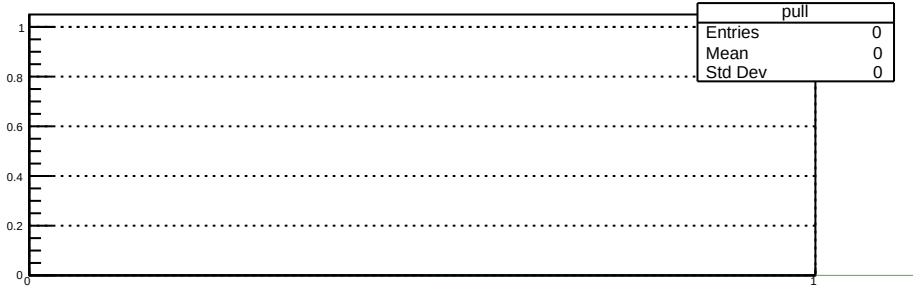

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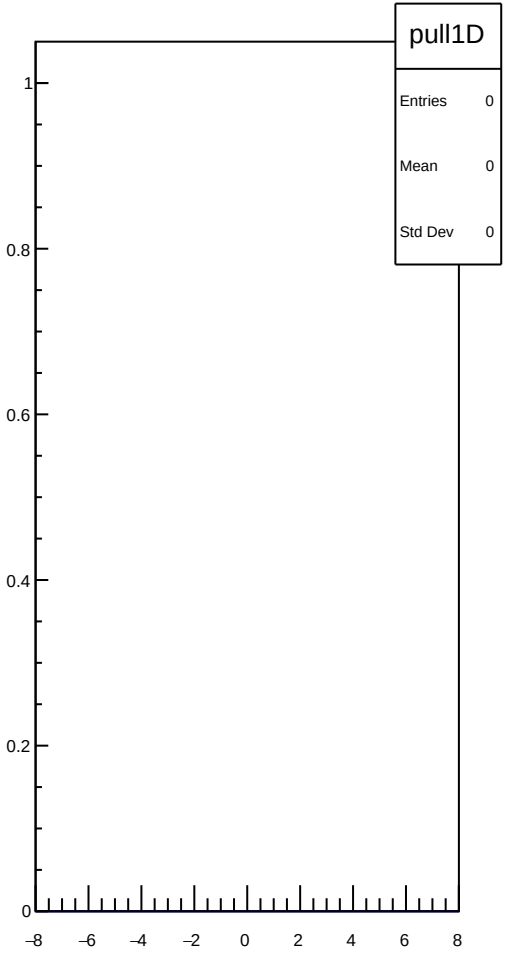

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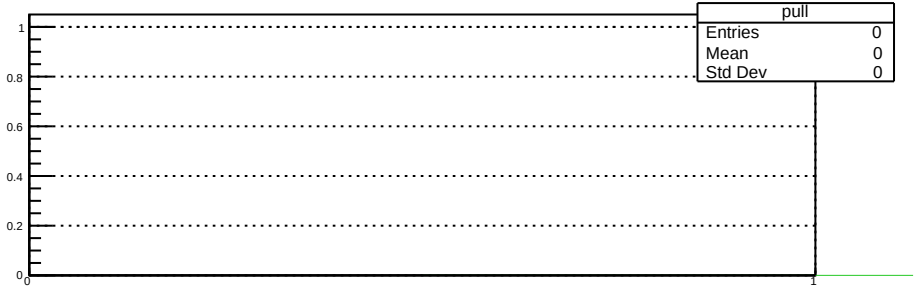

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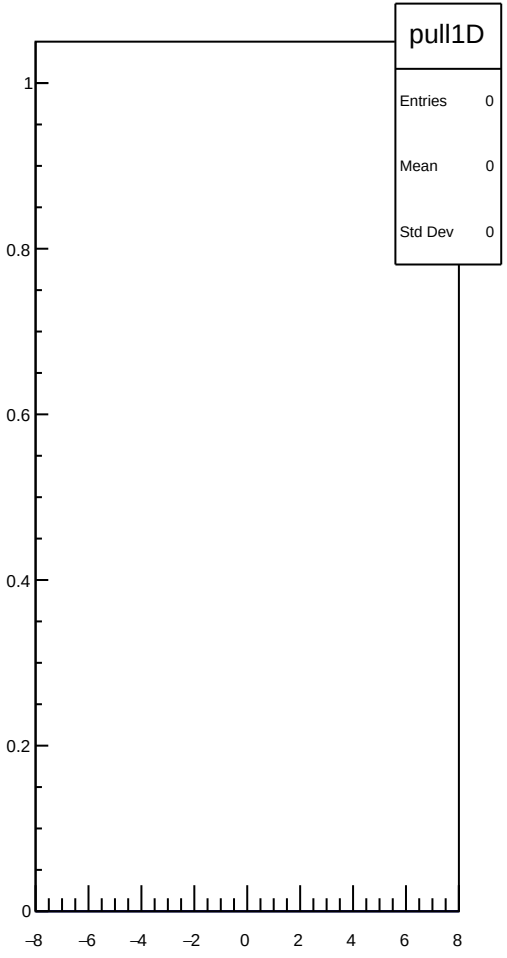

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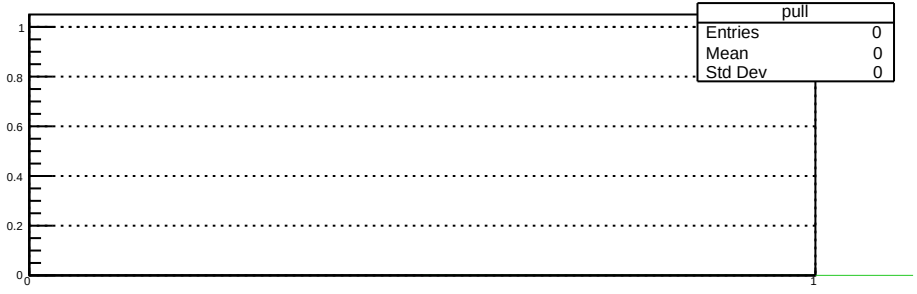

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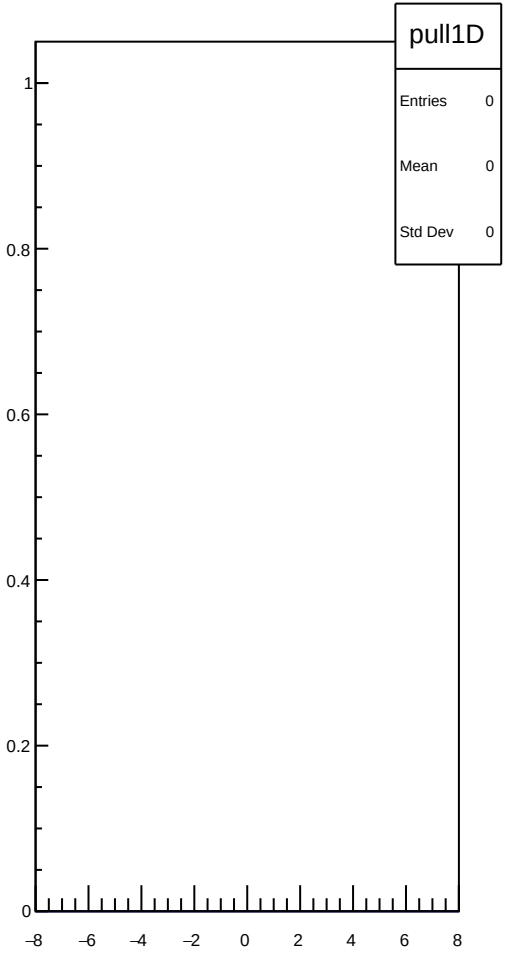

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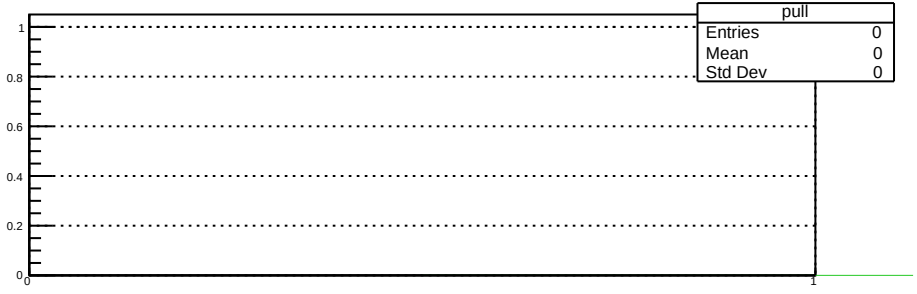

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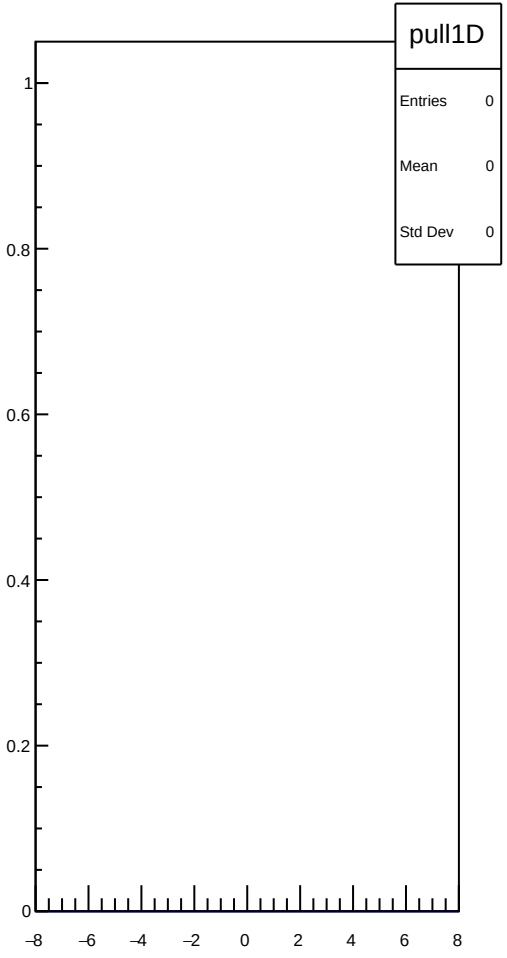

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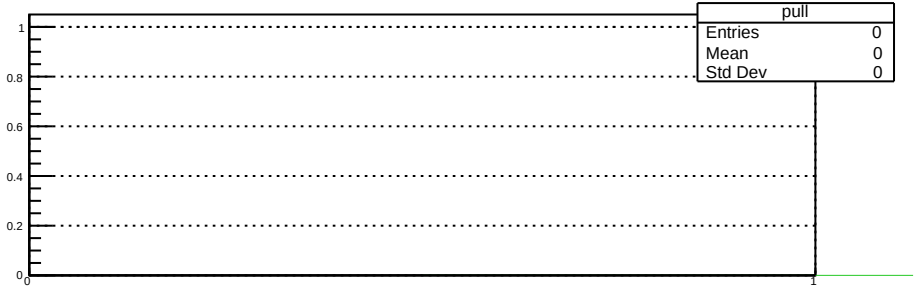

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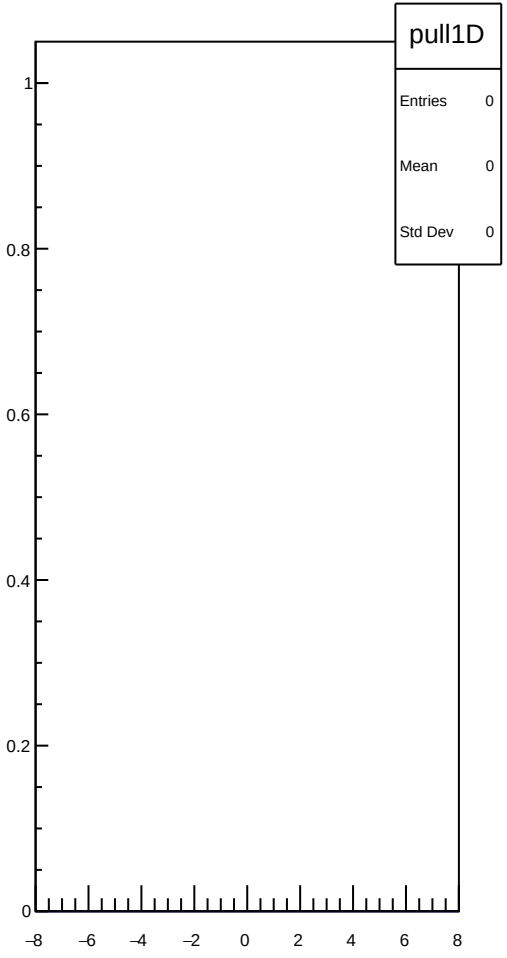

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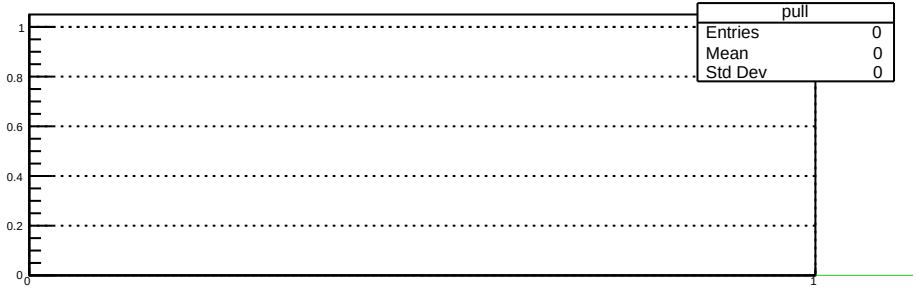

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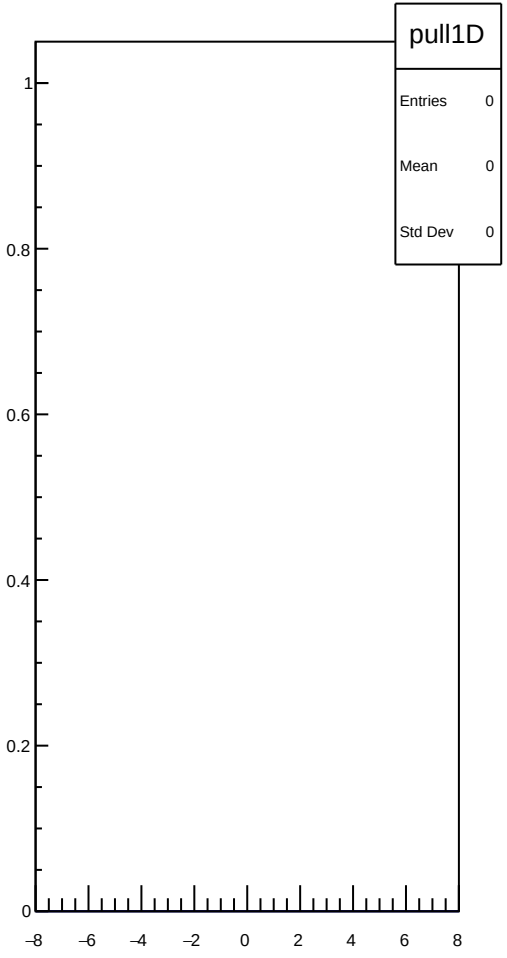

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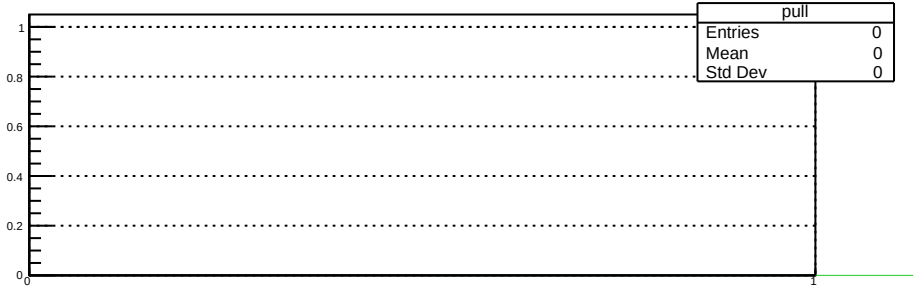

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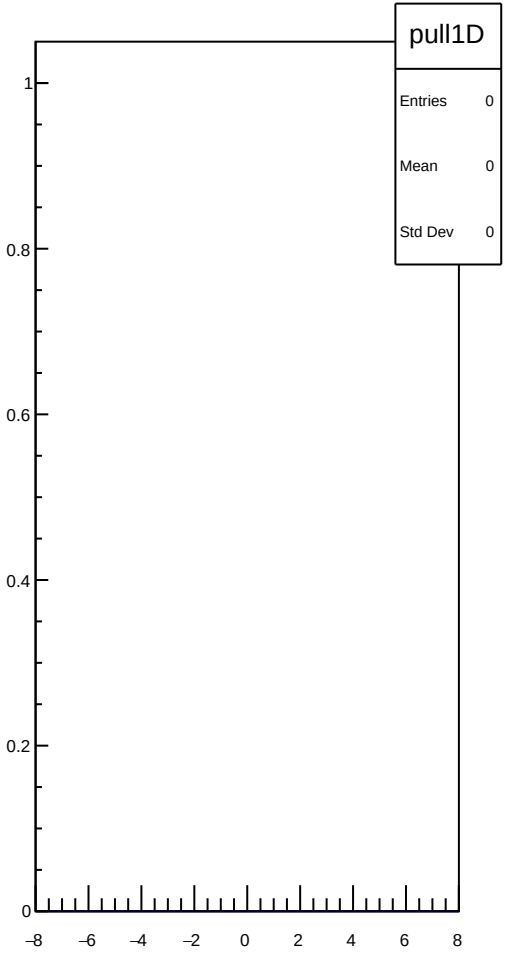

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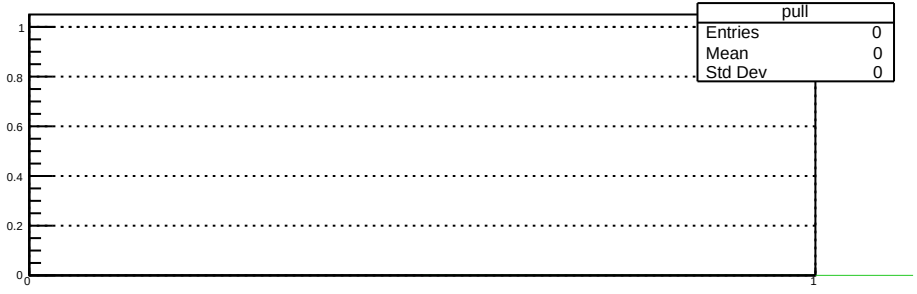

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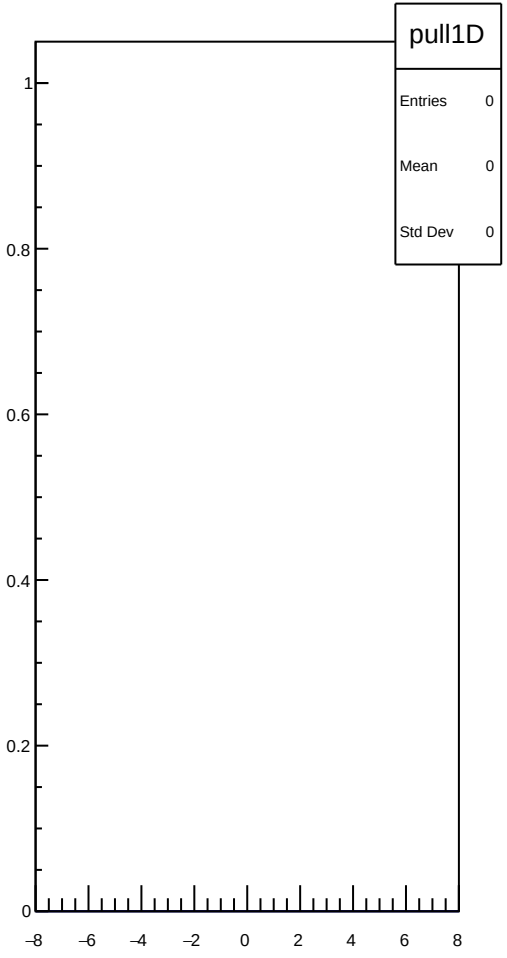

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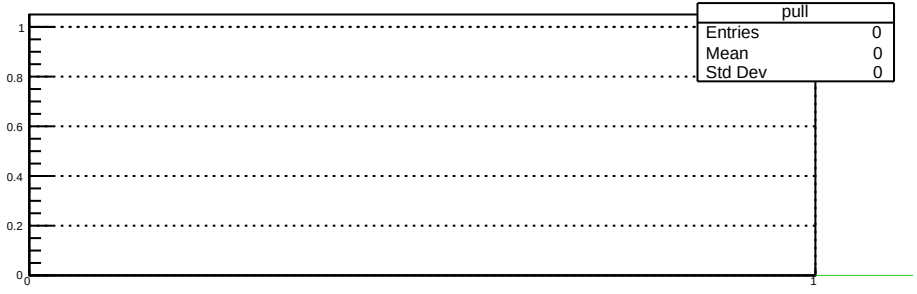

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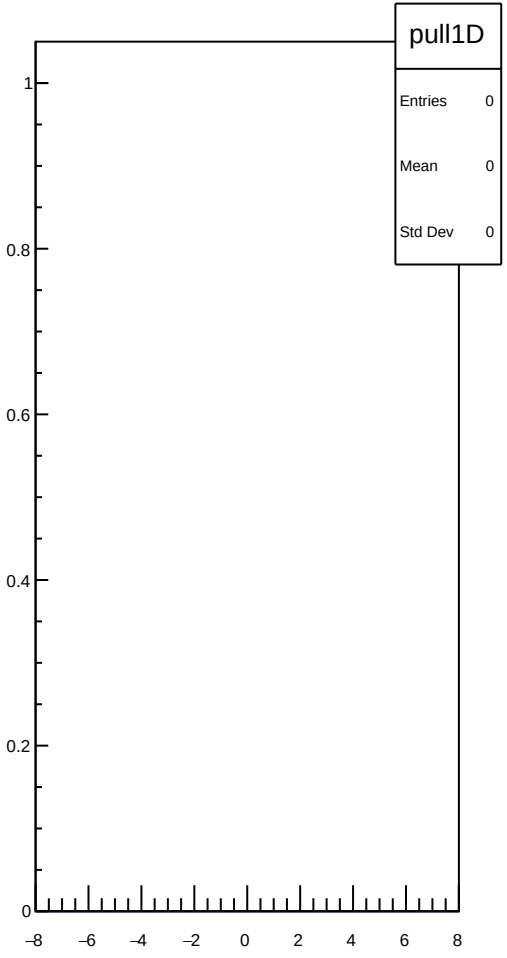

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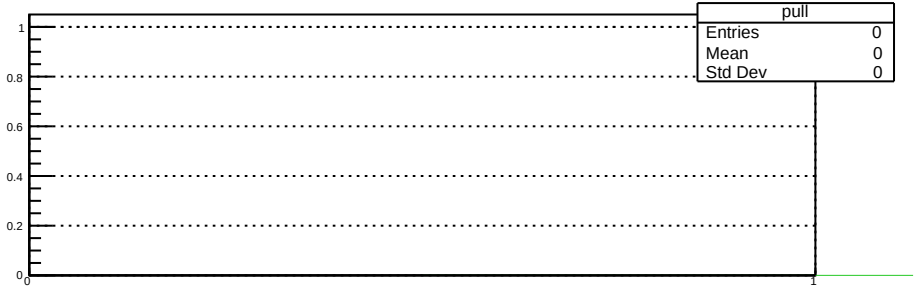

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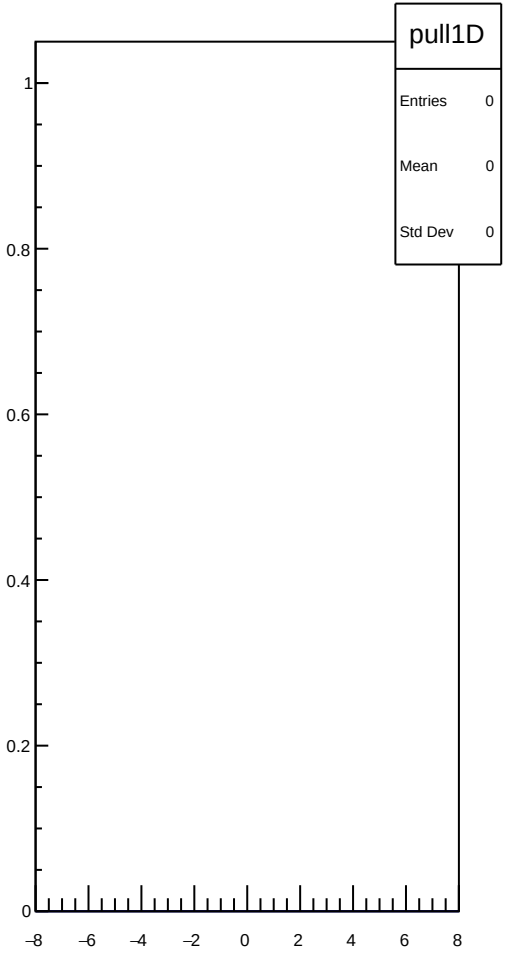

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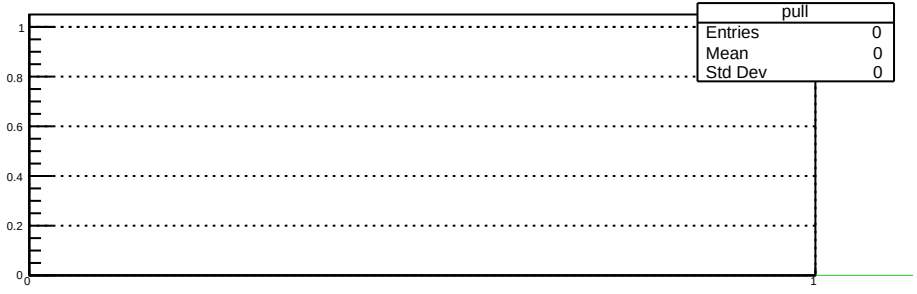

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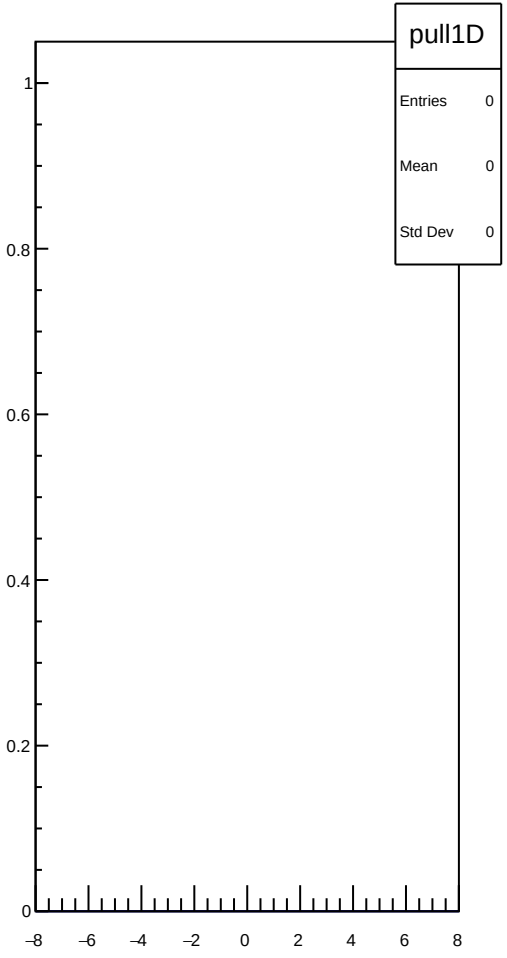

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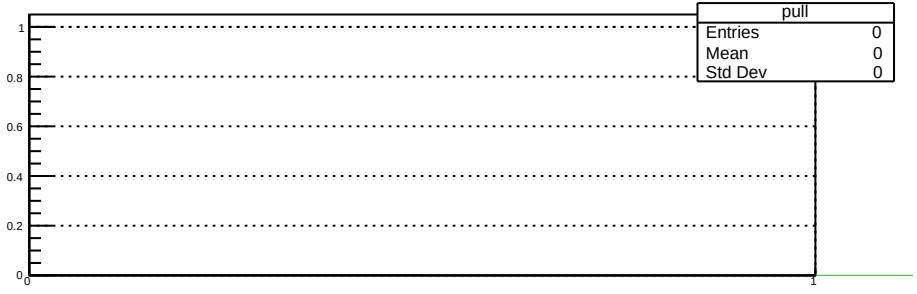

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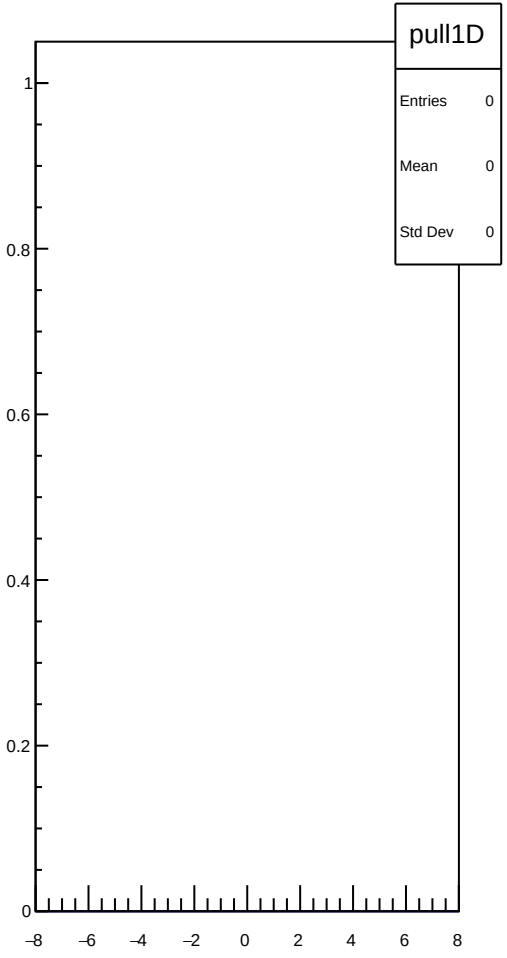

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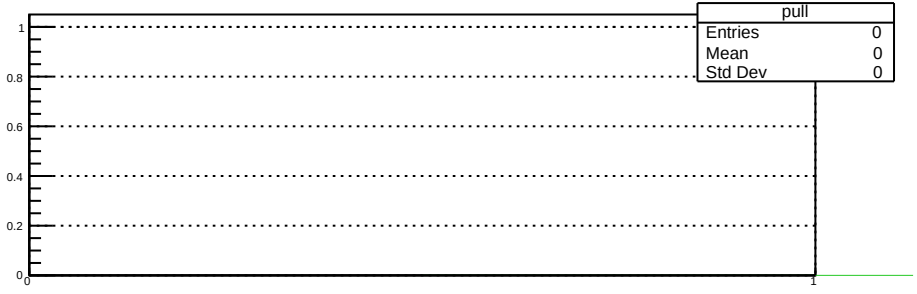

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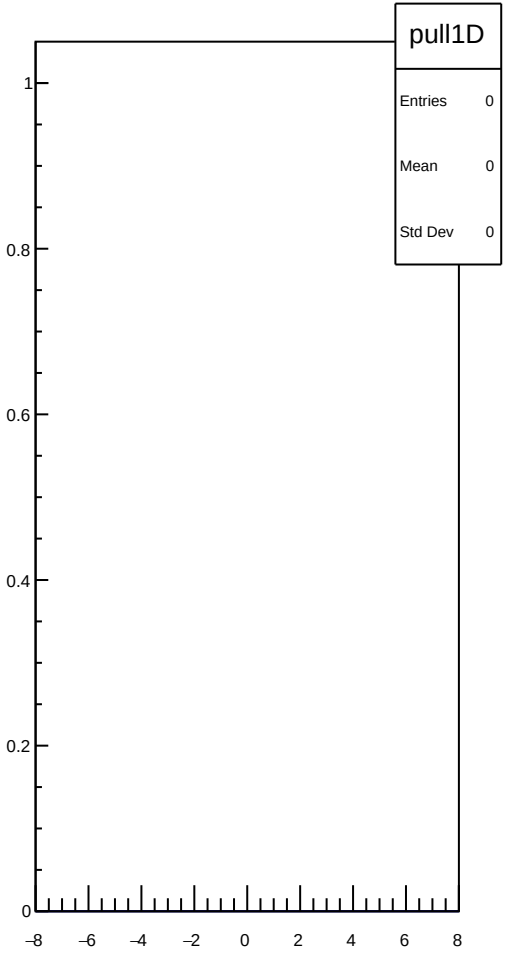

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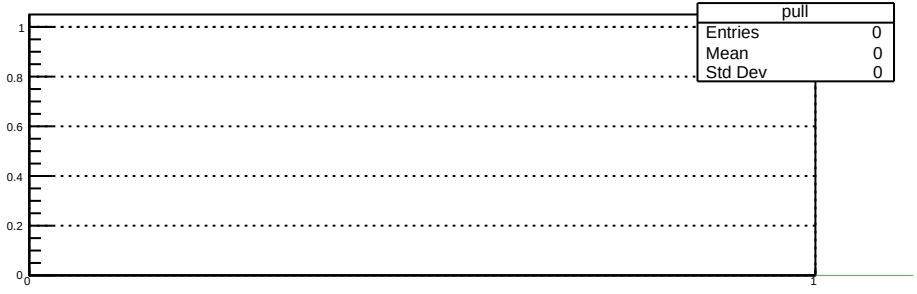

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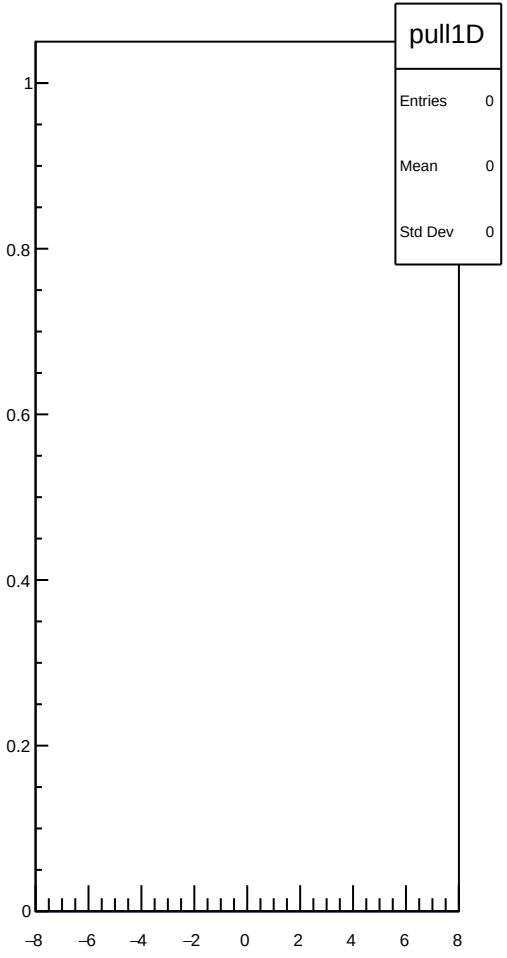

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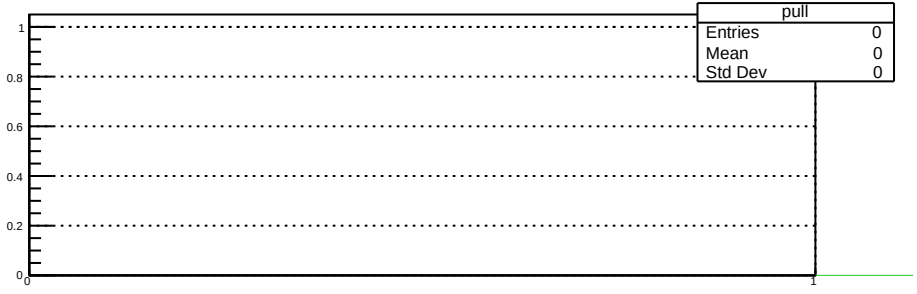

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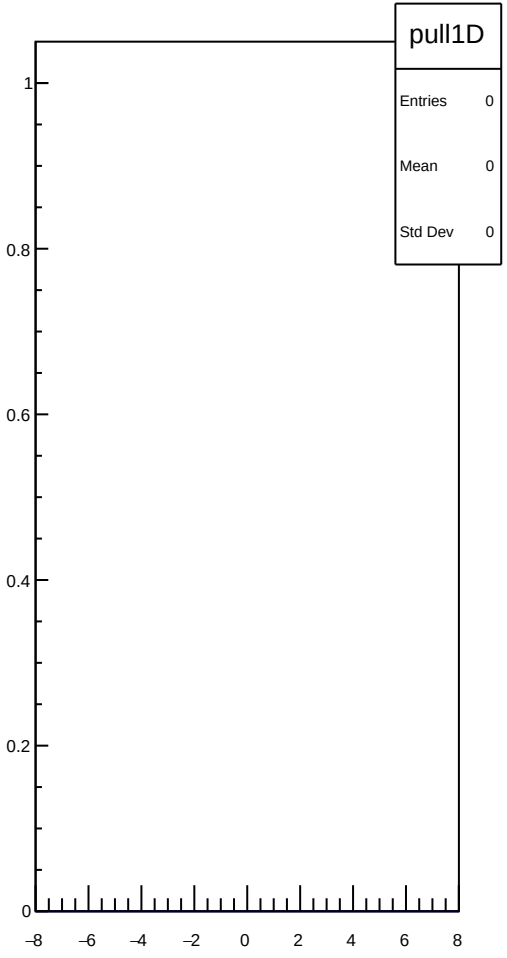

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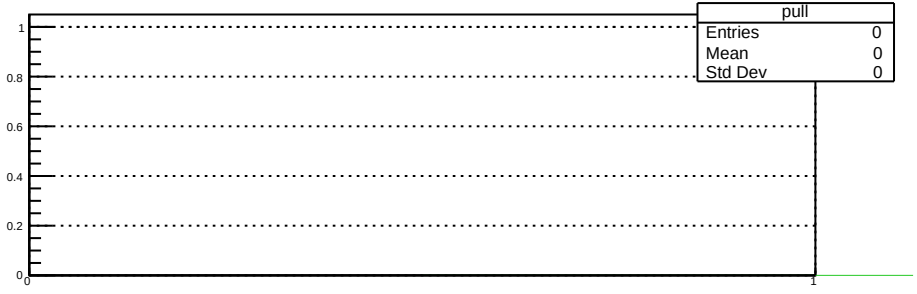

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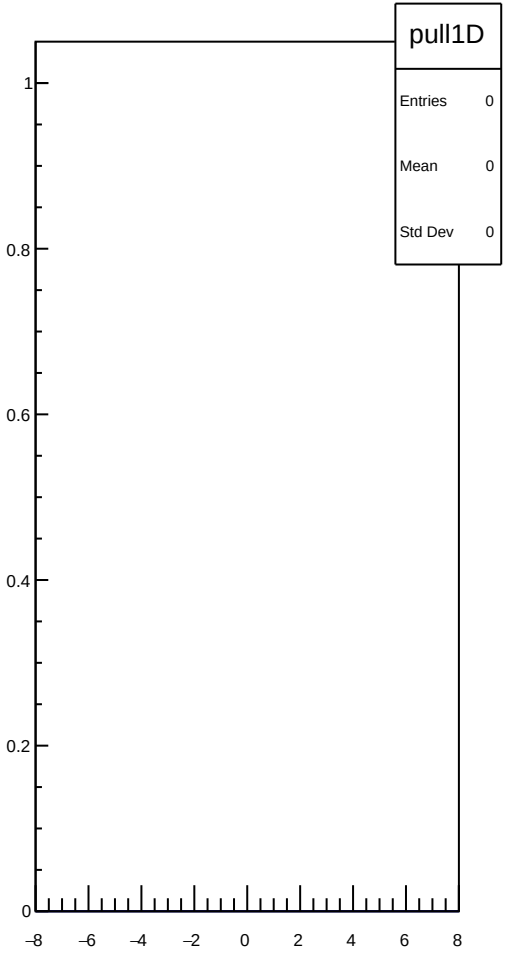

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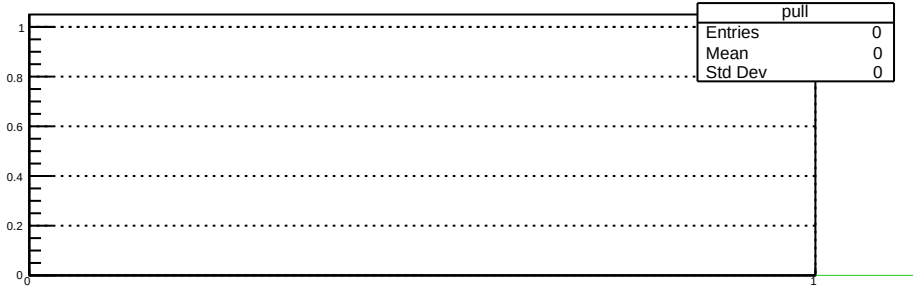

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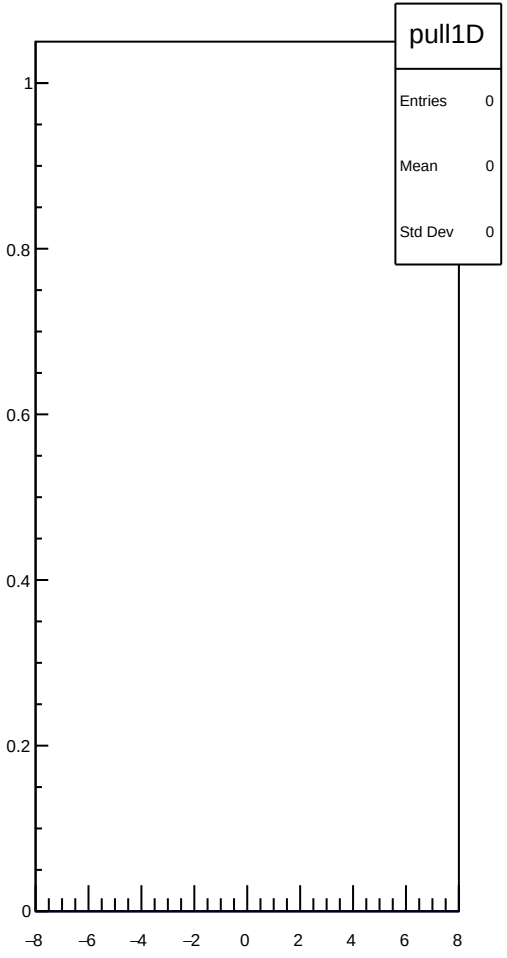

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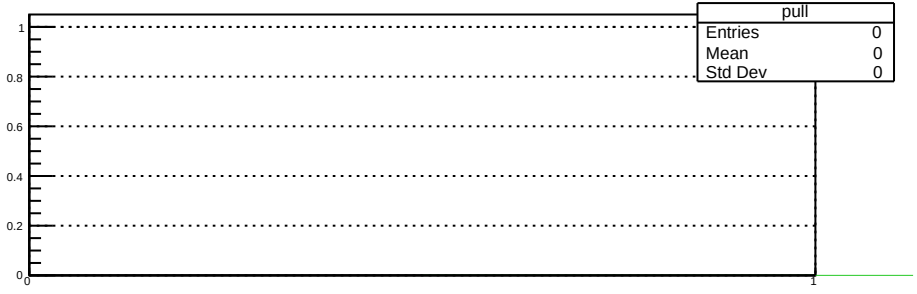

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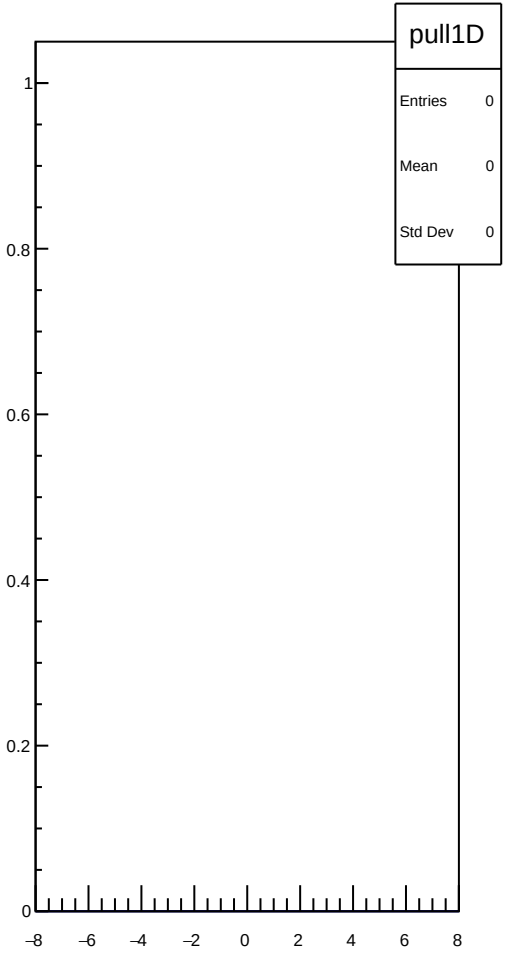

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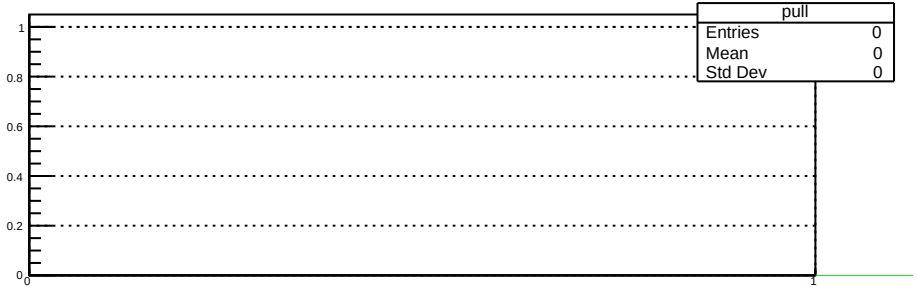

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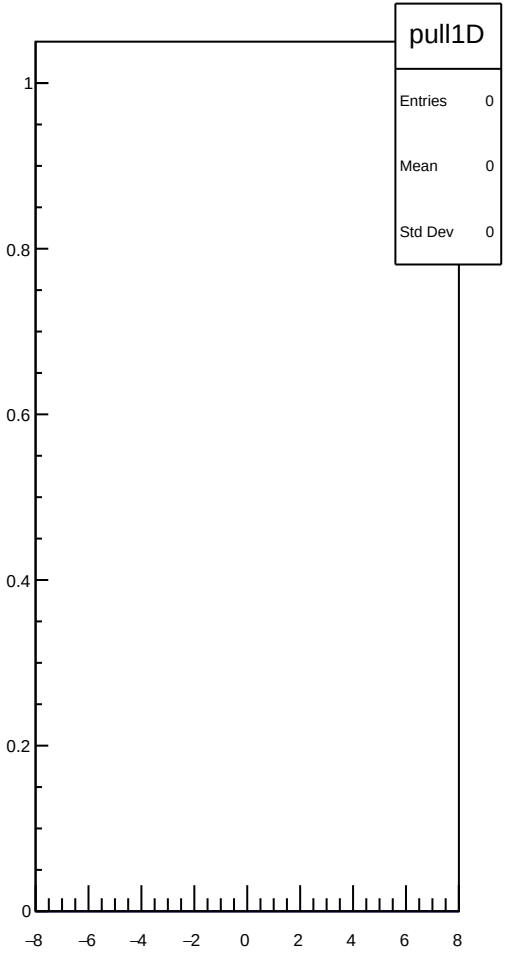

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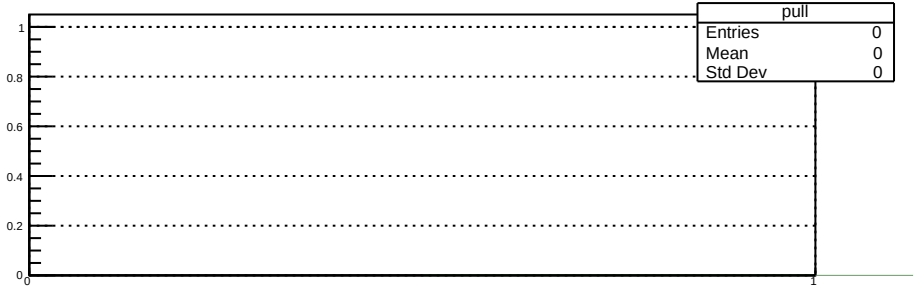

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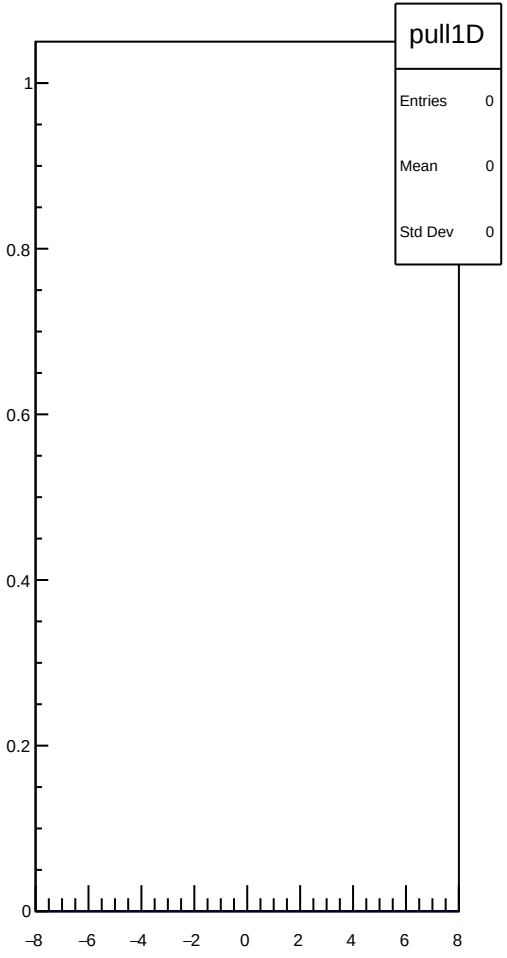

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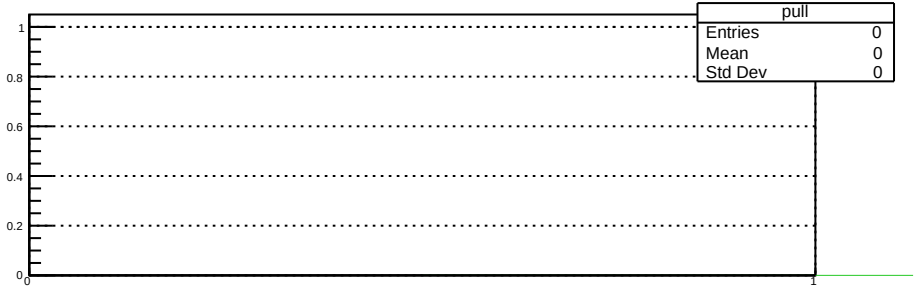

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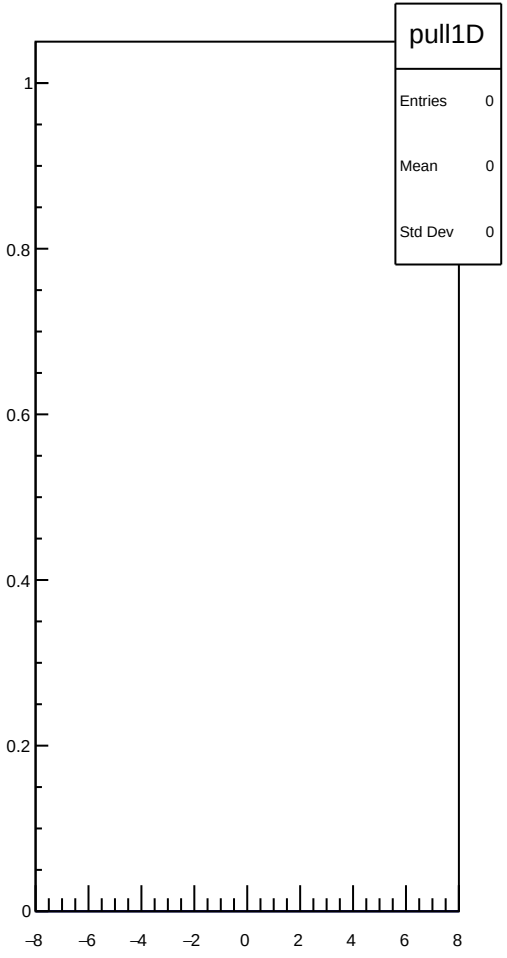

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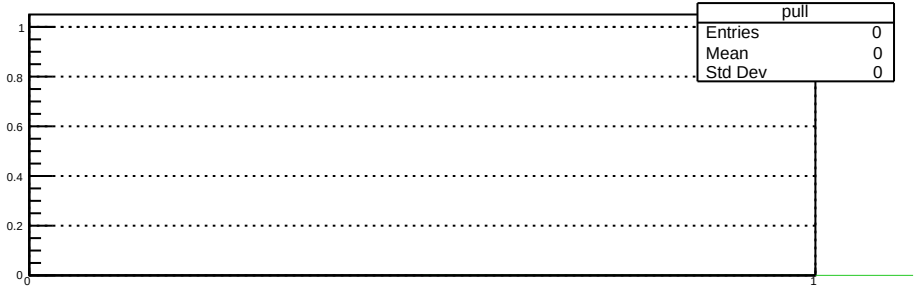

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0
2
4
6
8

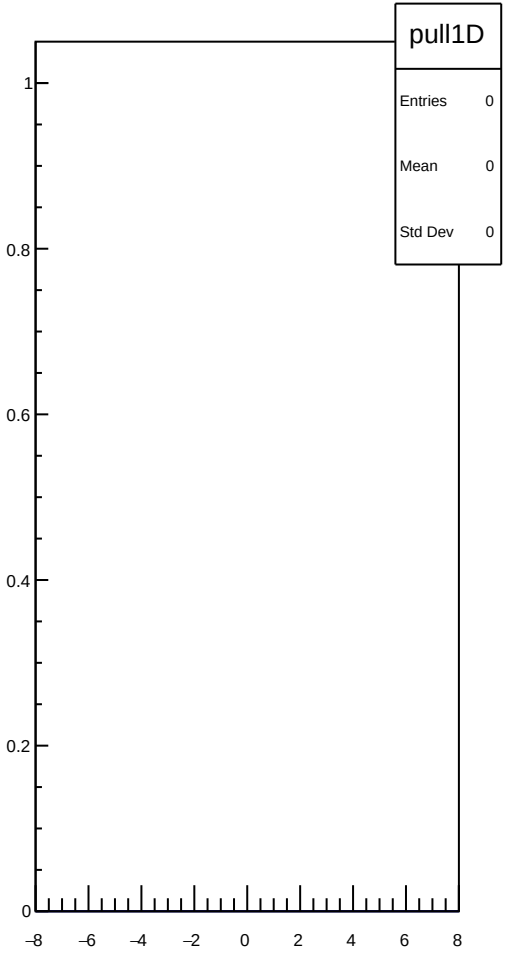

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

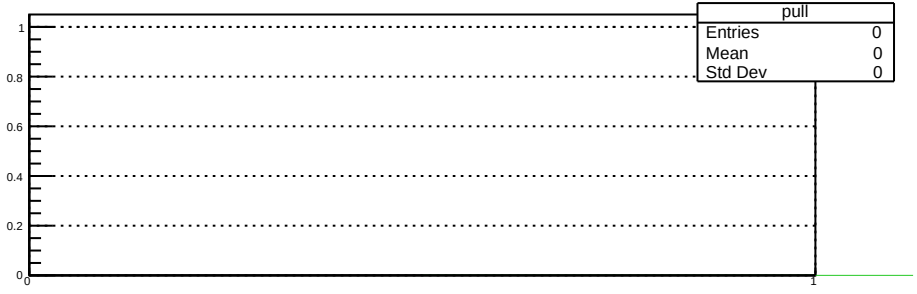

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
8

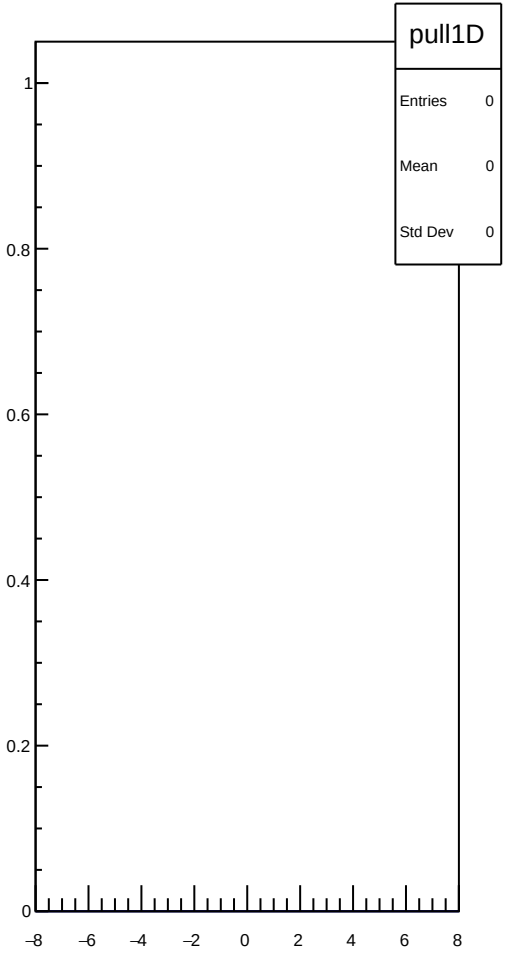

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

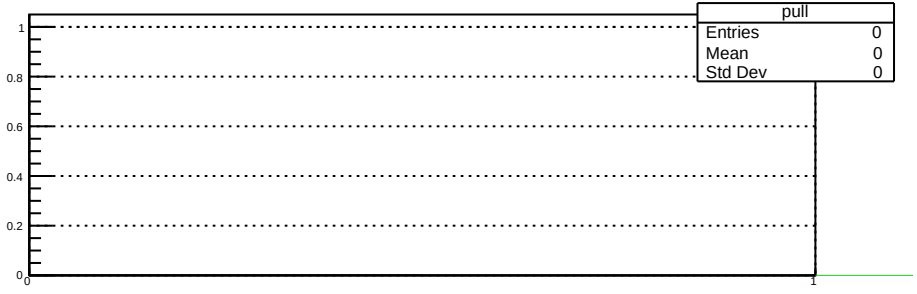

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

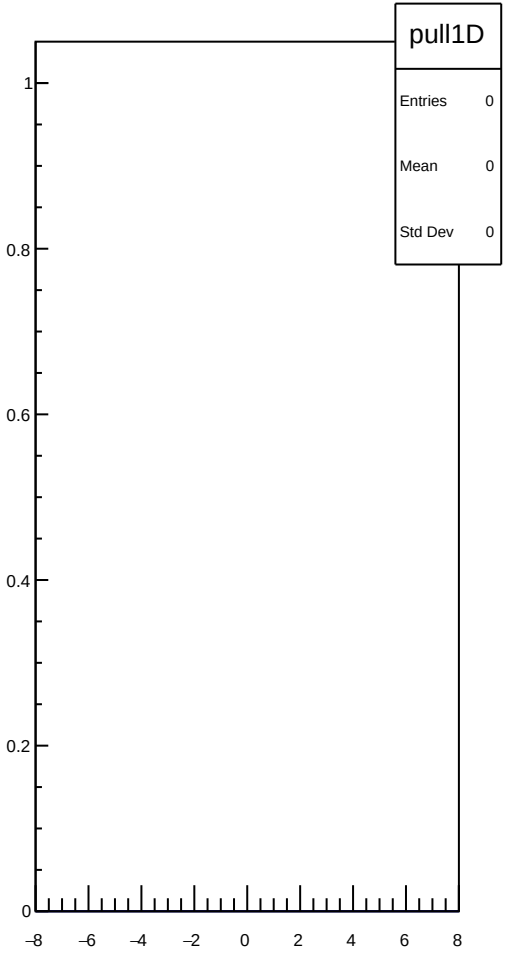

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

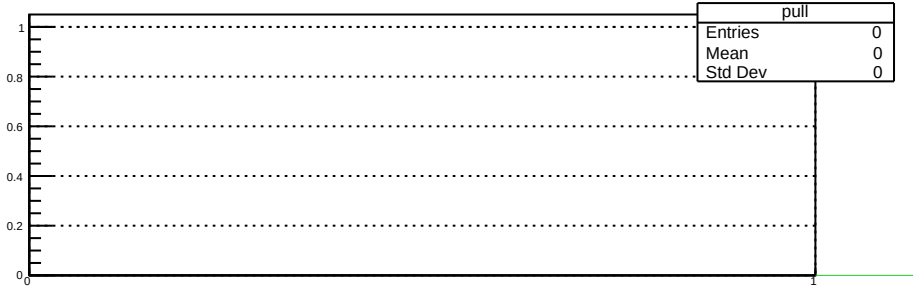

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
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–4
–2
0
2
4
6
8

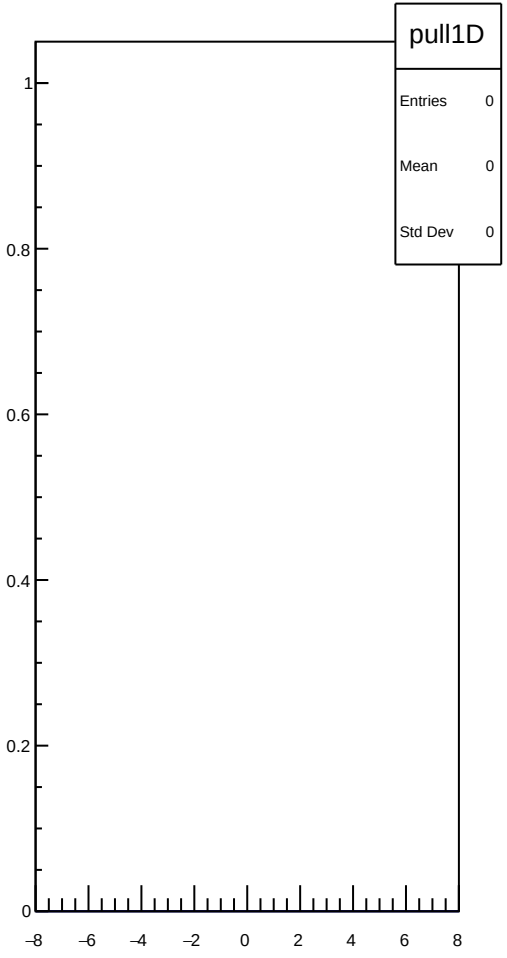

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

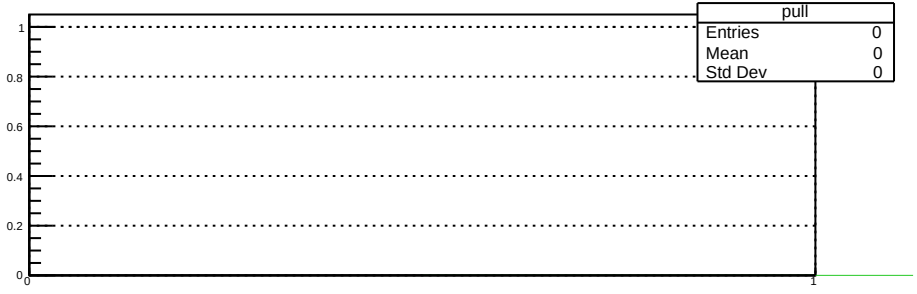

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

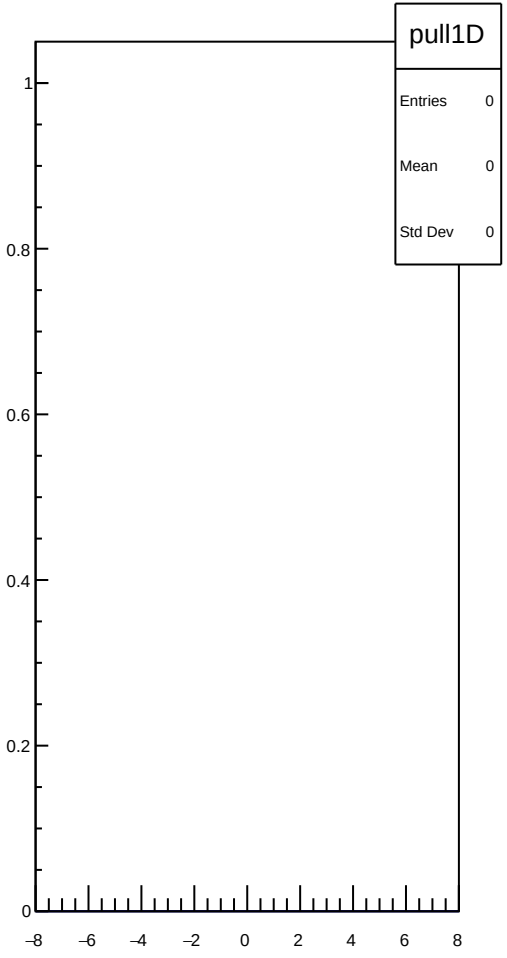

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
0
1

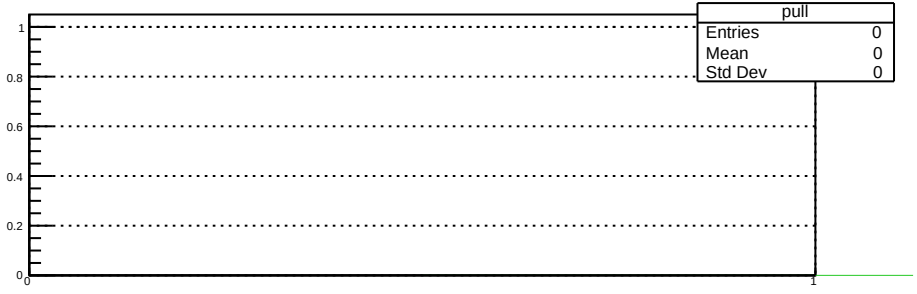

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
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–8
–6
–4
–2
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6
8

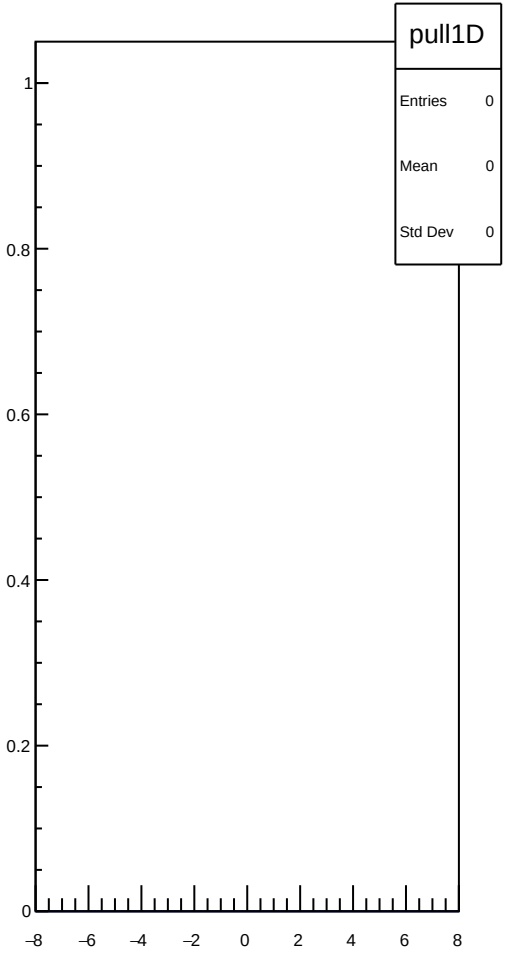

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
0
0
1

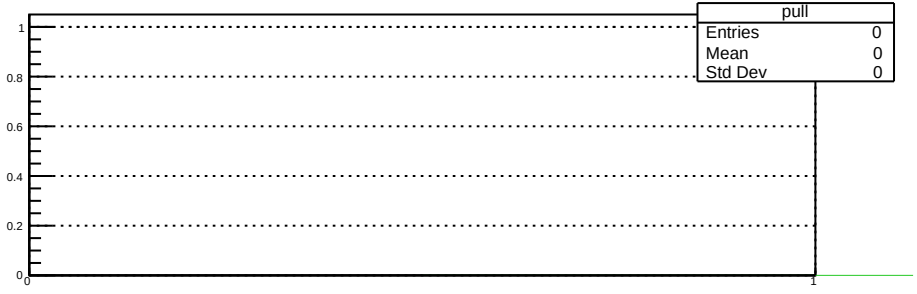

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

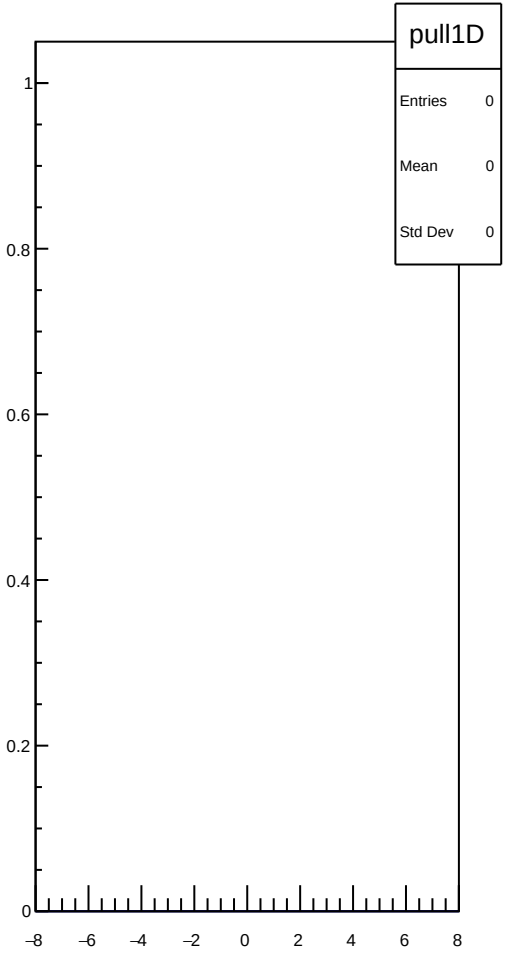

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

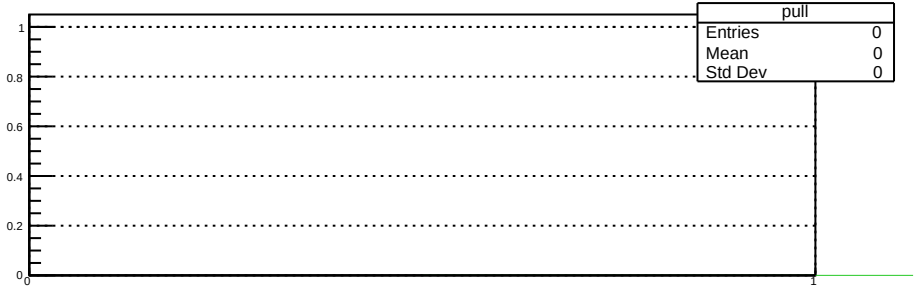

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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–4
–2
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2
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6
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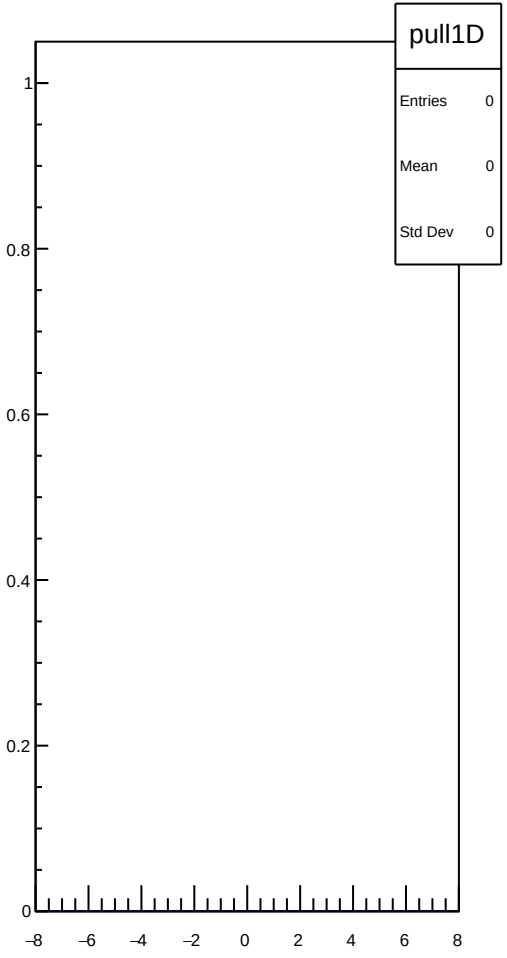

pull
Entries 0
Mean 0
Std Dev 0
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0.8
0.6
0.4
0.2
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0
1

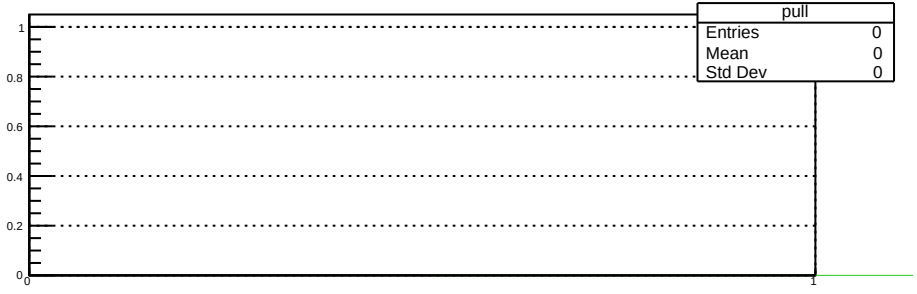

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
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–4
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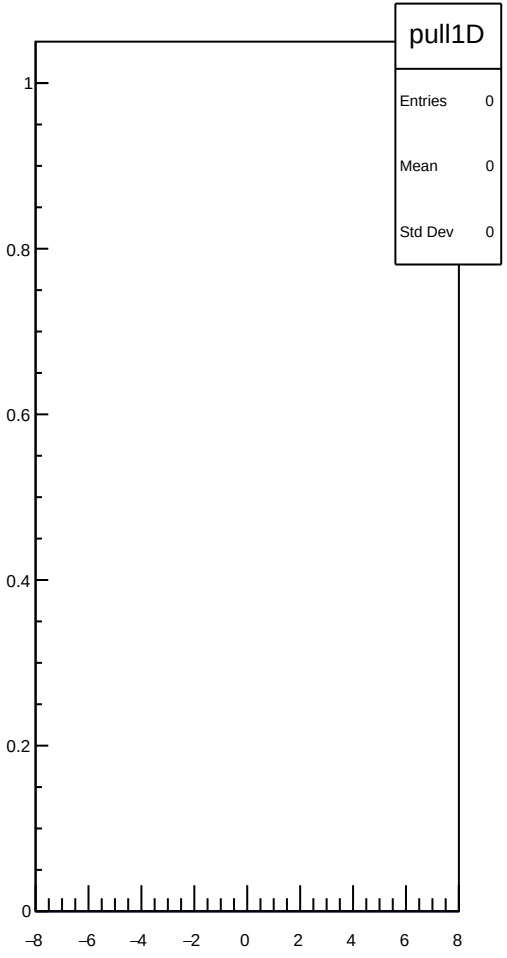

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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0
1

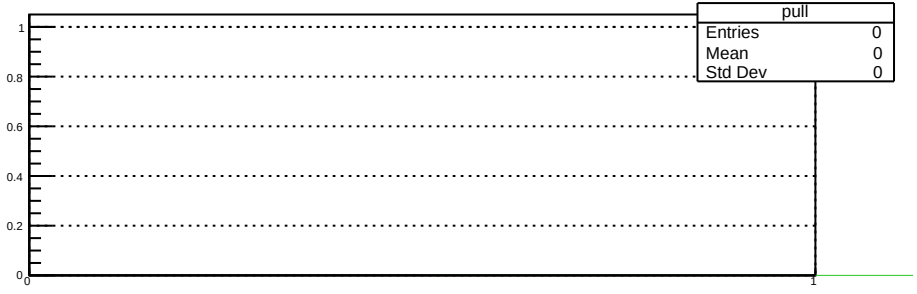

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
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–4
–2
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6
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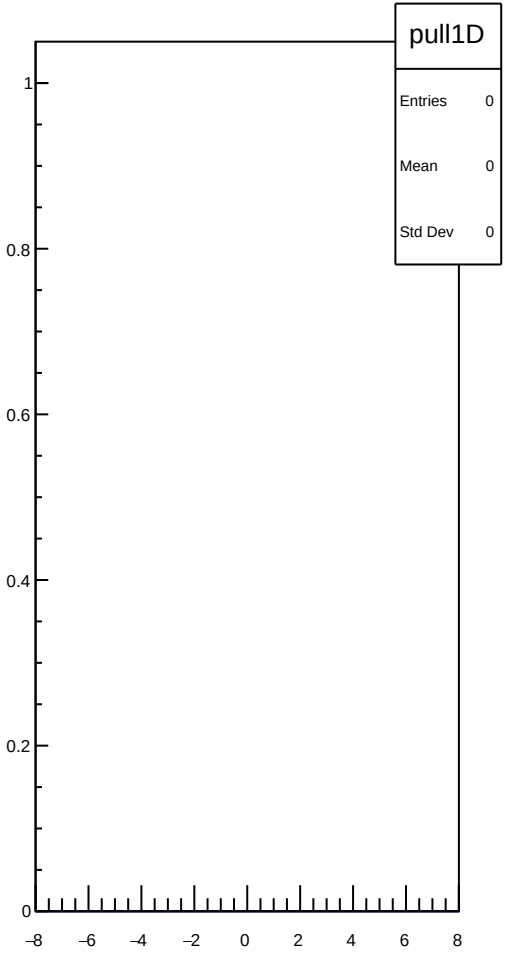

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

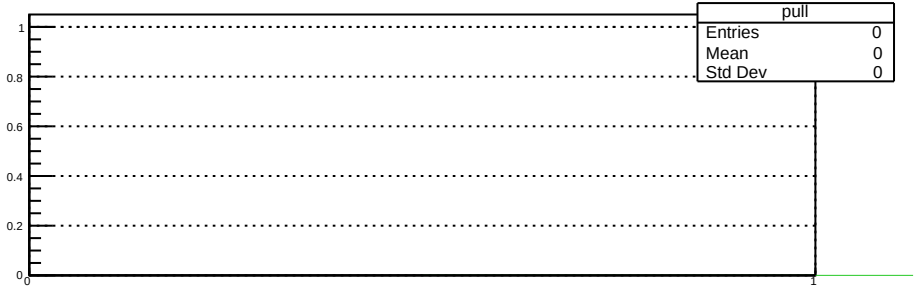

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

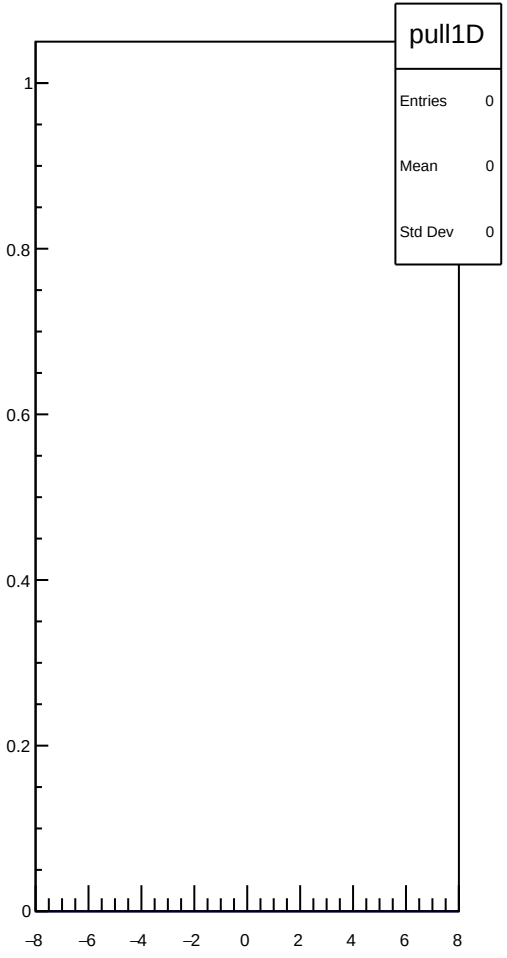

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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0
1

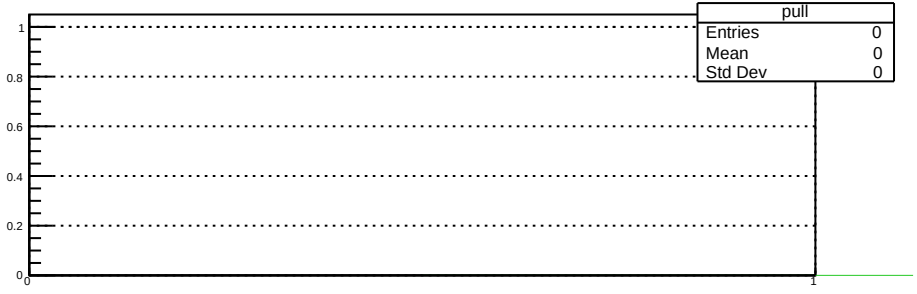

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
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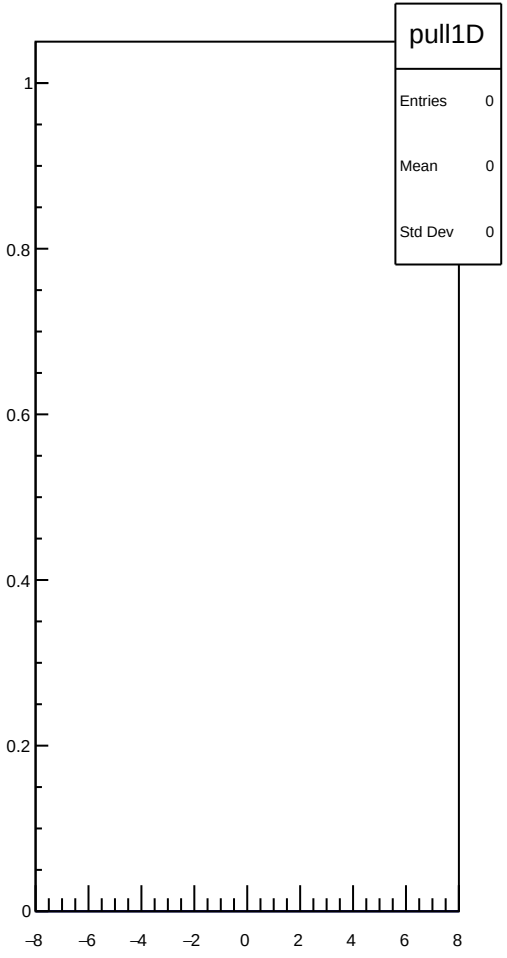

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

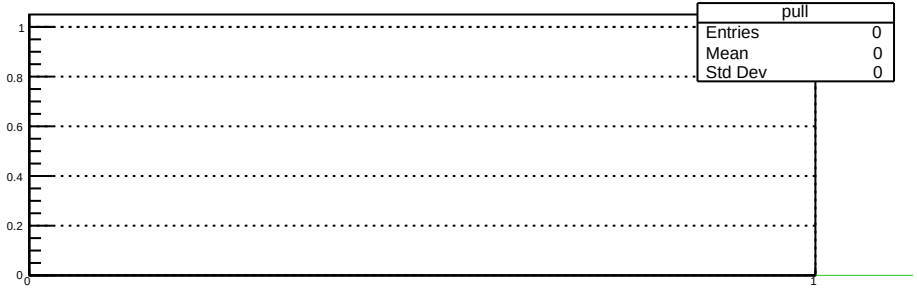

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

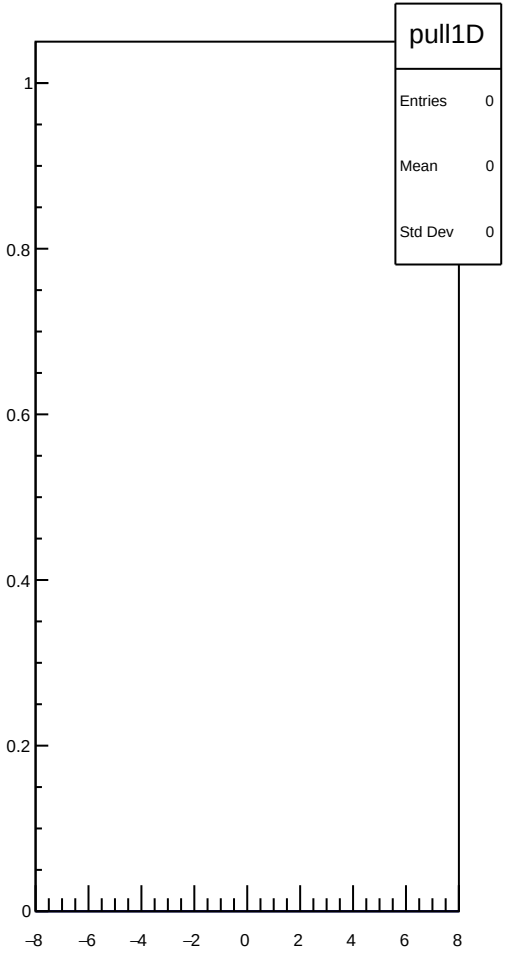

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

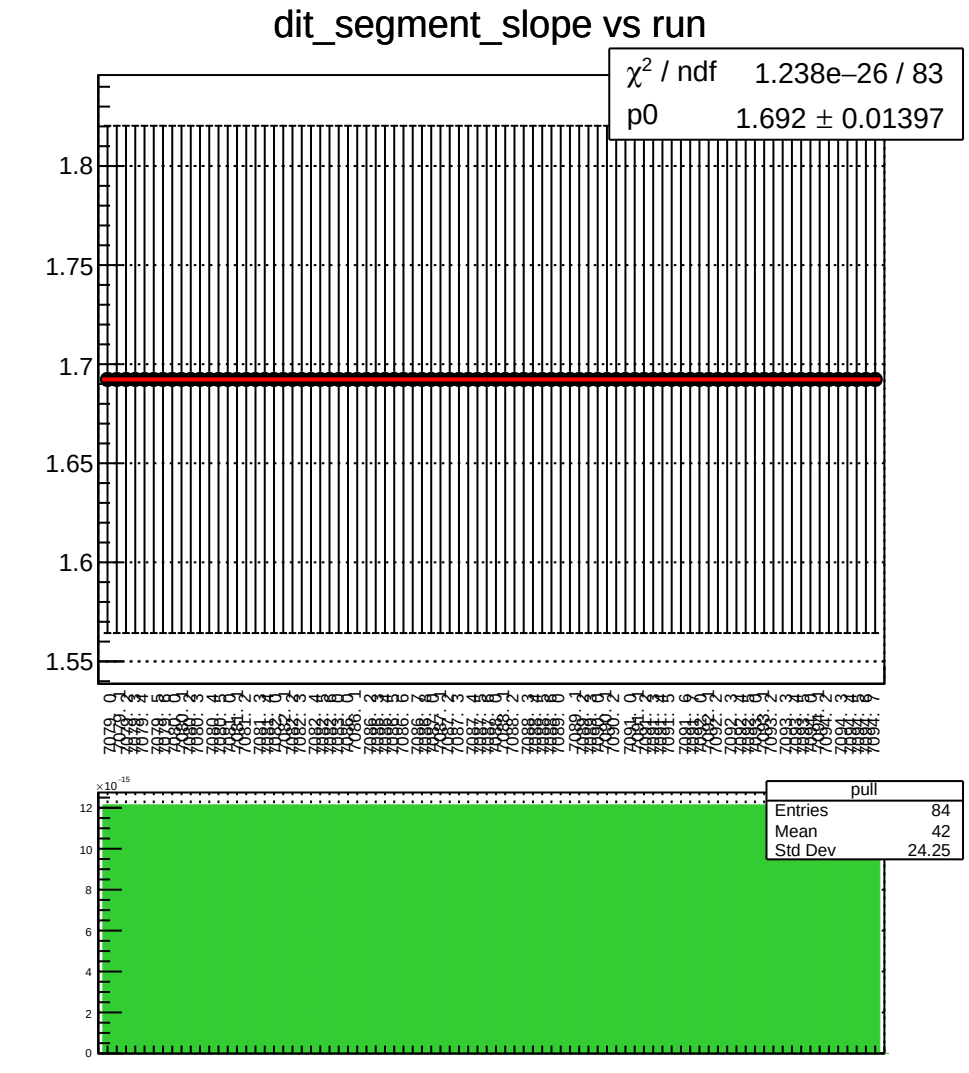

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
–8
–6
–4
–2
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2
4
6
8

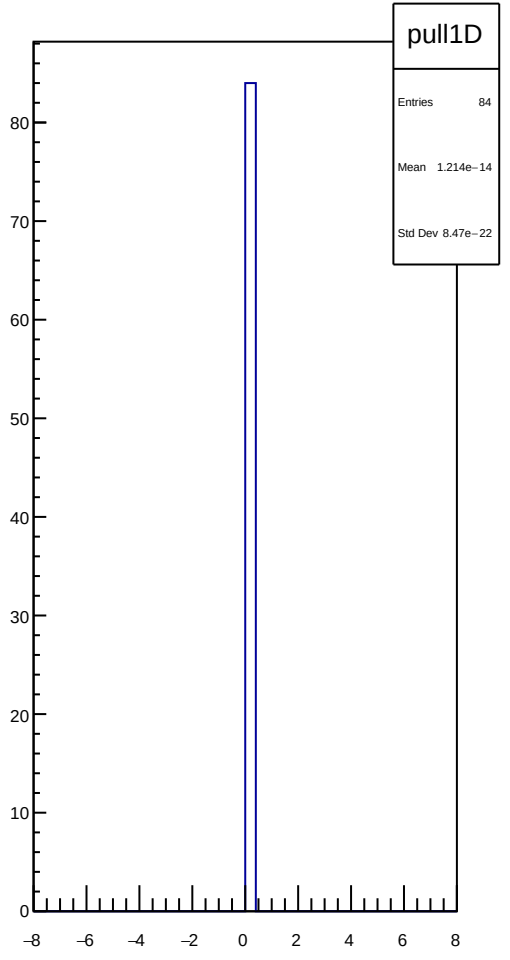

pull
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
0
0
1

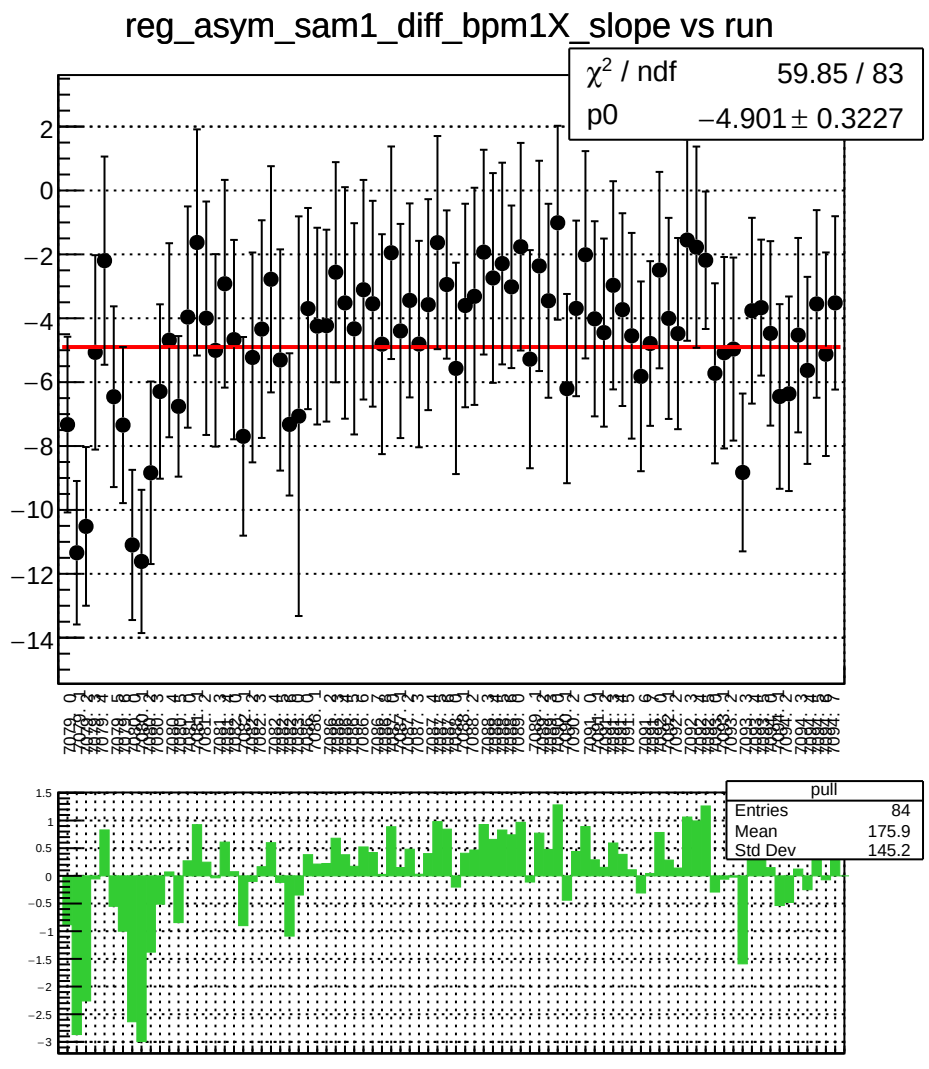

pull1D
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
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0
–8
–6
–4
–2
0
2
4
6
8

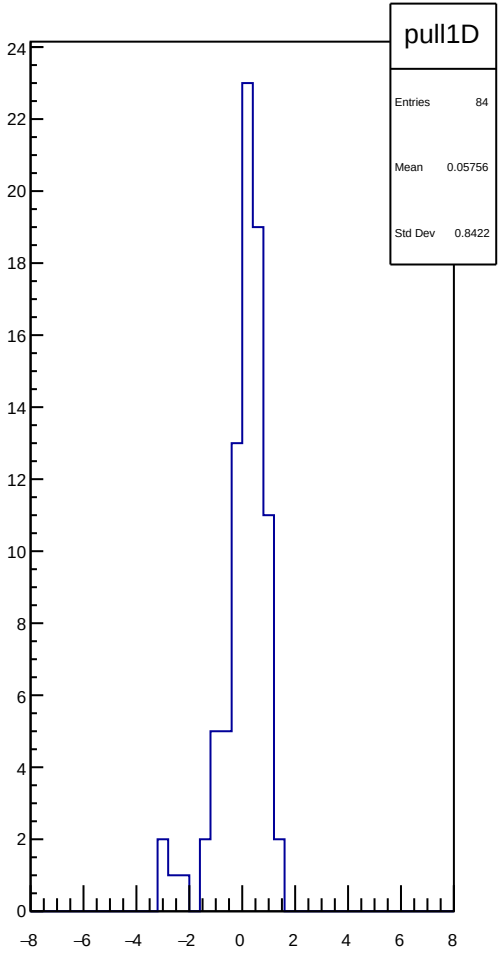

pull
Entries 0
Mean 0
Std Dev 0
1
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0.6
0.4
0.2
0
0
1

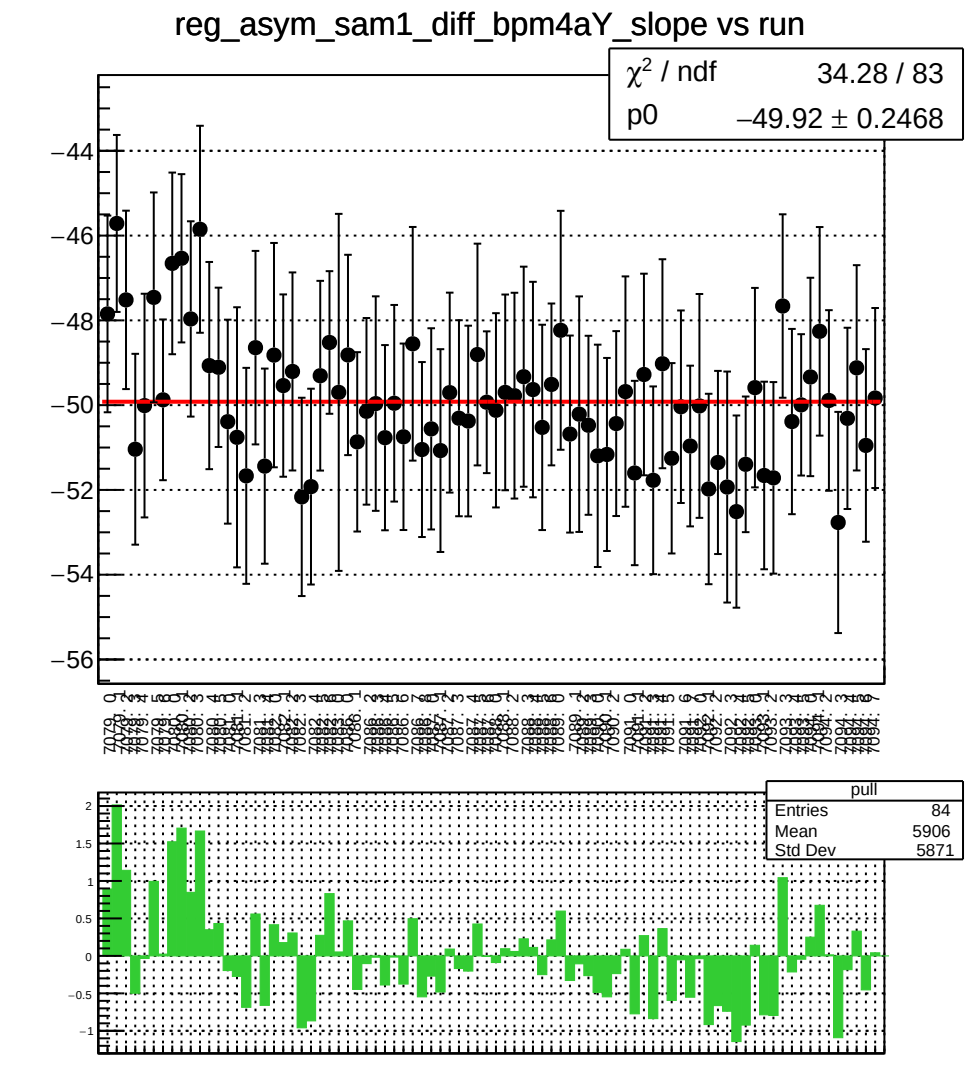

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

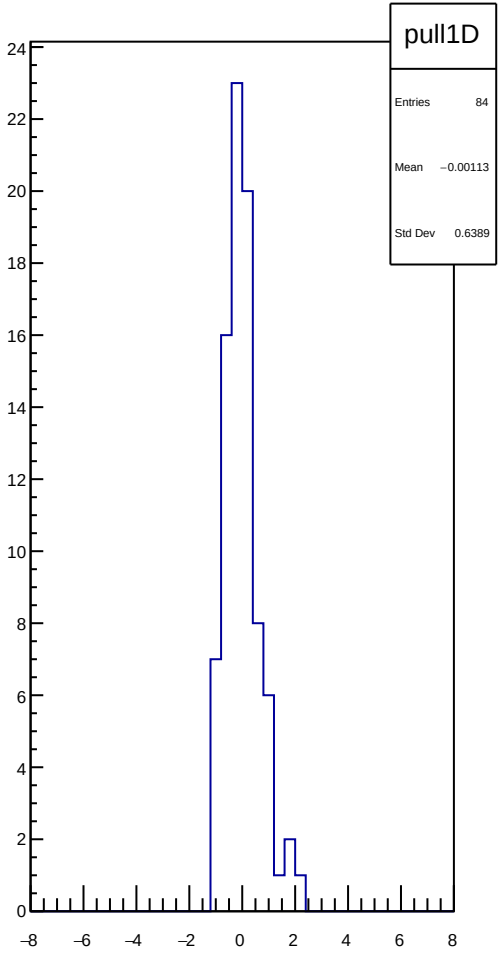

dit_segment_slope vs run
χ² / ndf 1.238e−26 / 83
p0 1.692 ± 0.01397
1.8
1.75
1.7
1.65
1.6
1.55
×10⁻¹⁵
12
10
8
6
4
2
0
pull
Entries 84
Mean 42
Std Dev 24.25

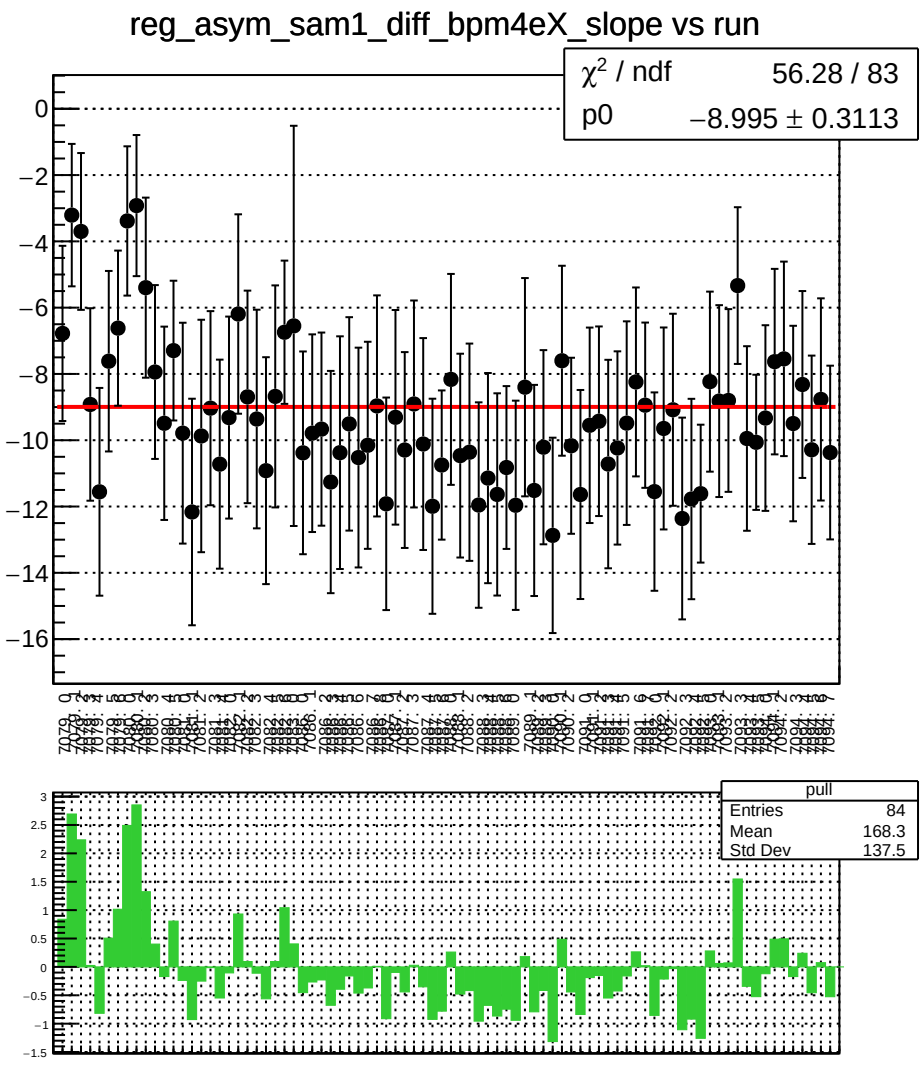

pull1D
Entries 84
Mean 1.214e−14
Std Dev 8.47e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

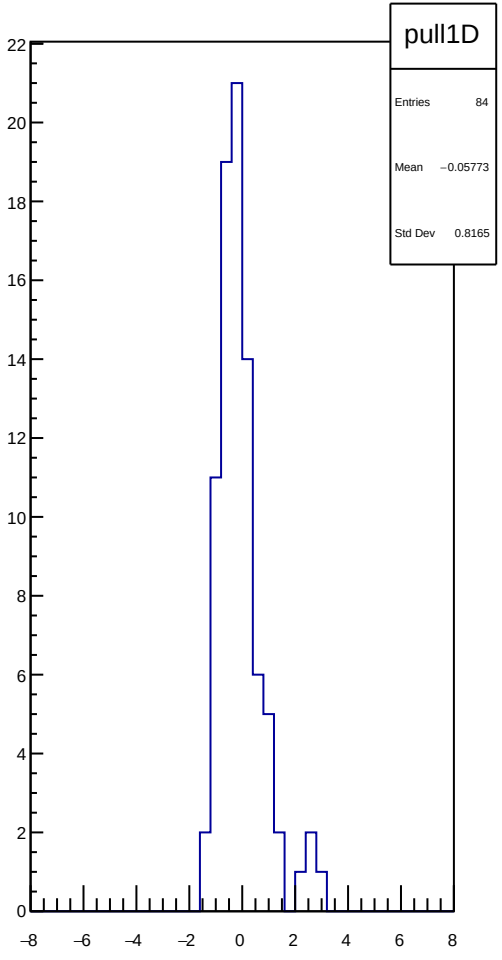

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 59.85 / 83
p0 −4.901 ± 0.3227
pull
Entries 84
Mean 175.9
Std Dev 145.2

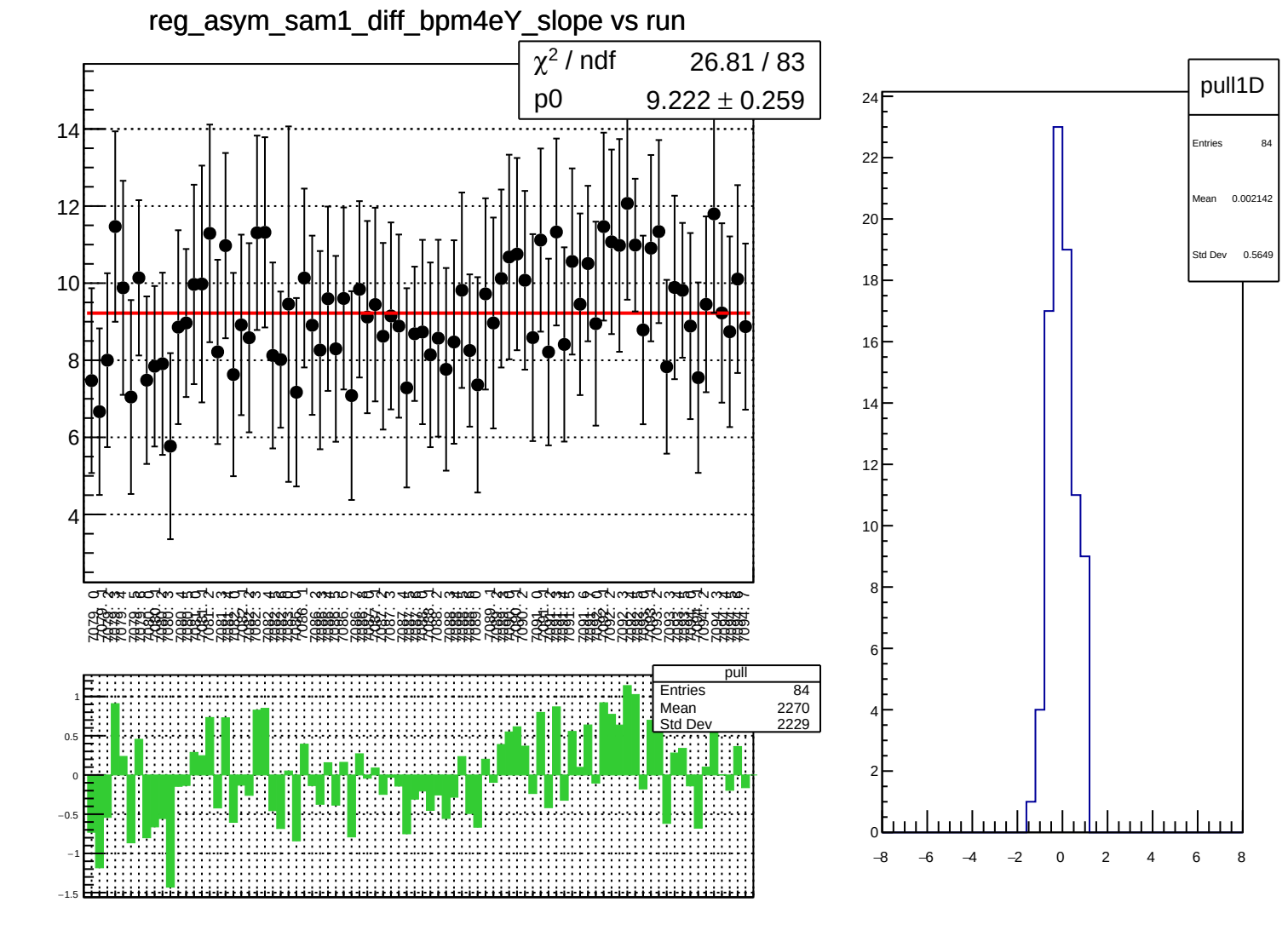

pull1D
Entries 84
Mean 0.05756
Std Dev 0.8422

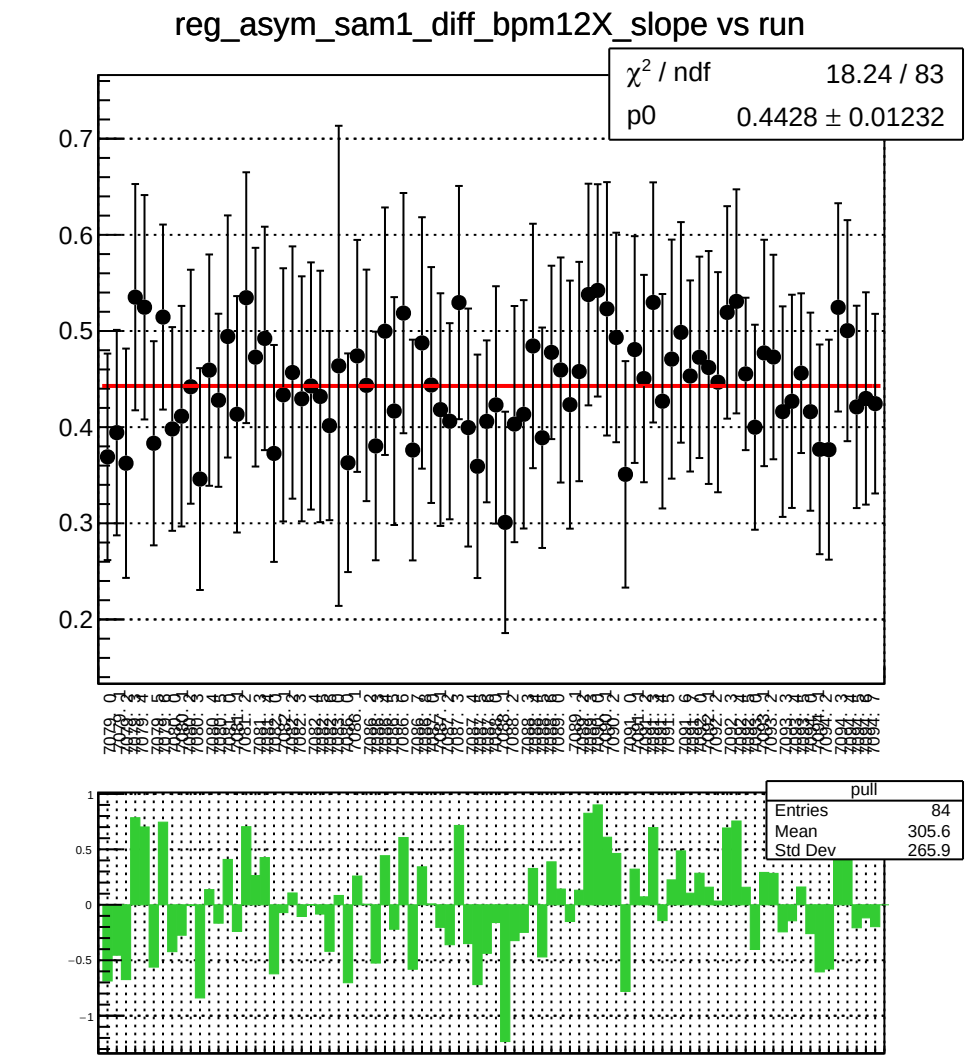

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 34.28 / 83
p0 −49.92 ± 0.2468
pull
Entries 84
Mean 5906
Std Dev 5871

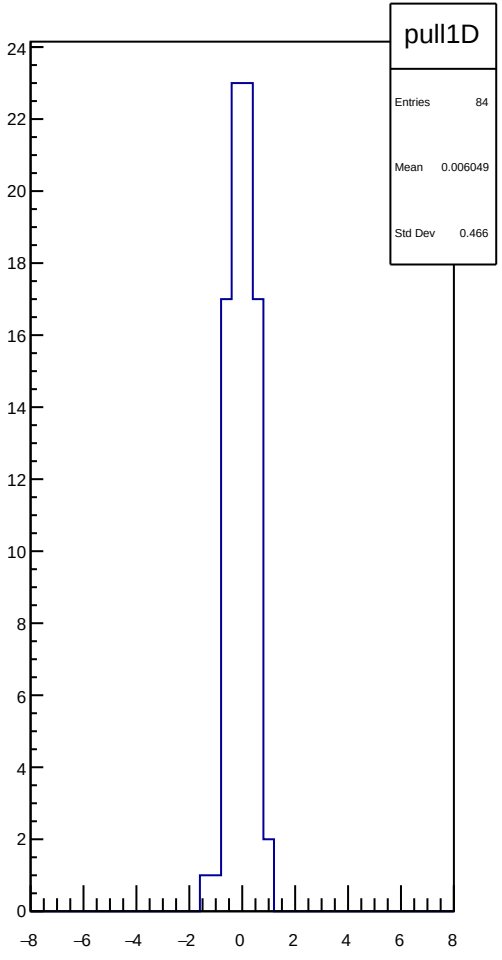

pull1D
Entries 84
Mean −0.00113
Std Dev 0.6389

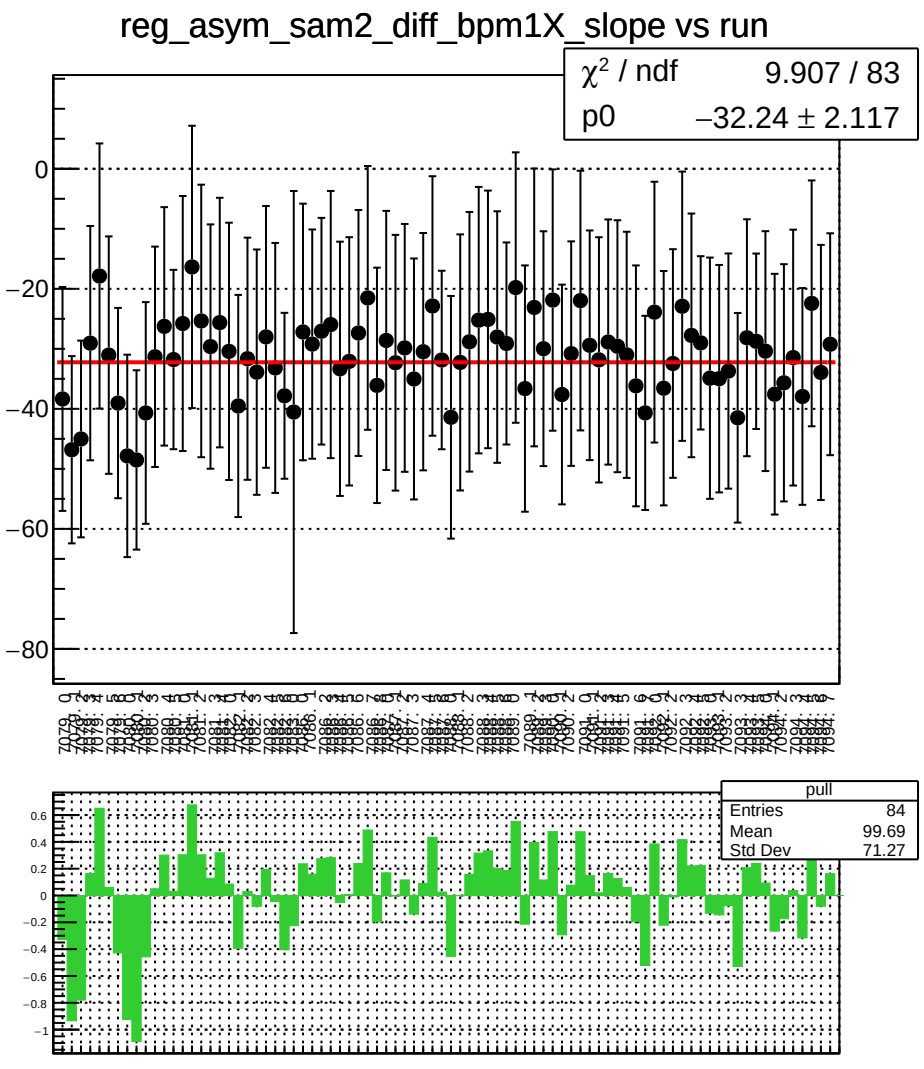

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 56.28 / 83
p0 −8.995 ± 0.3113
pull
Entries 84
Mean 168.3
Std Dev 137.5

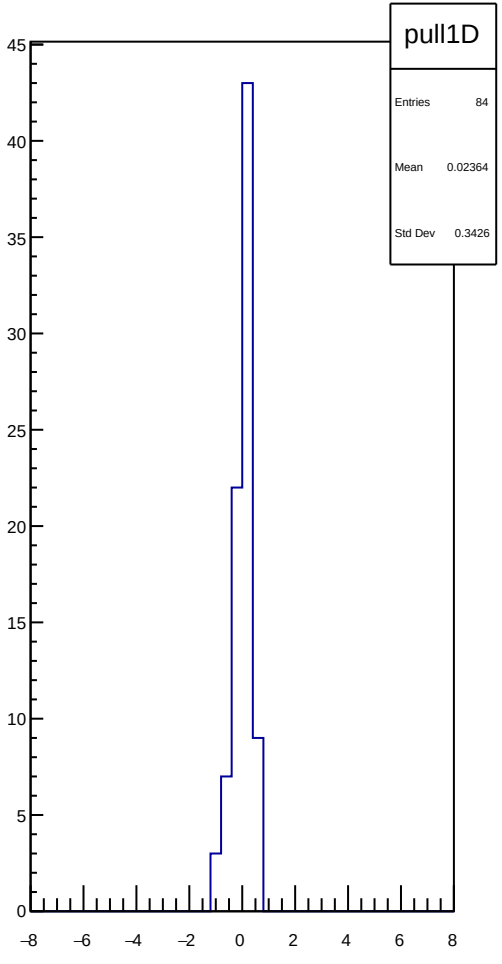

pull1D
Entries 84
Mean −0.05773
Std Dev 0.8165

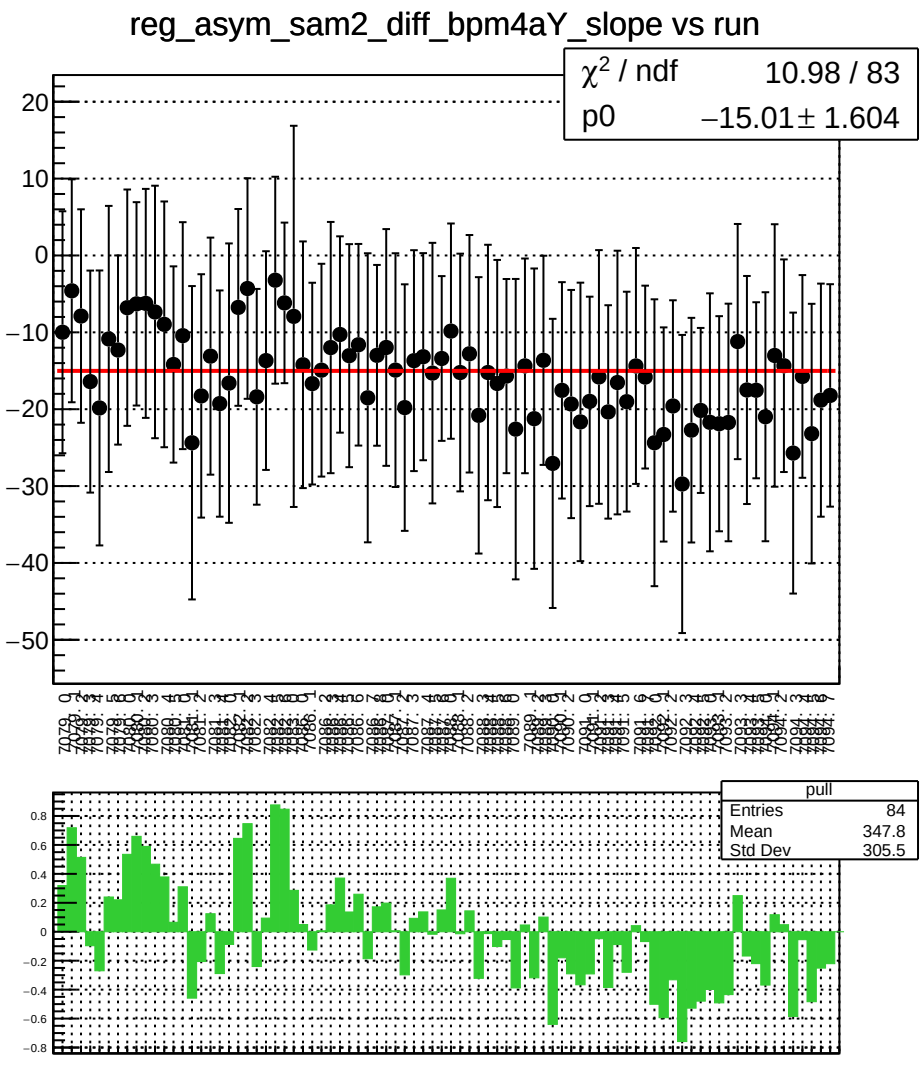

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 26.81 / 83
p0 9.222 ± 0.259
pull
Entries 84
Mean 2270
Std Dev 2229
pull1D
Entries 84
Mean 0.002142
Std Dev 0.5649

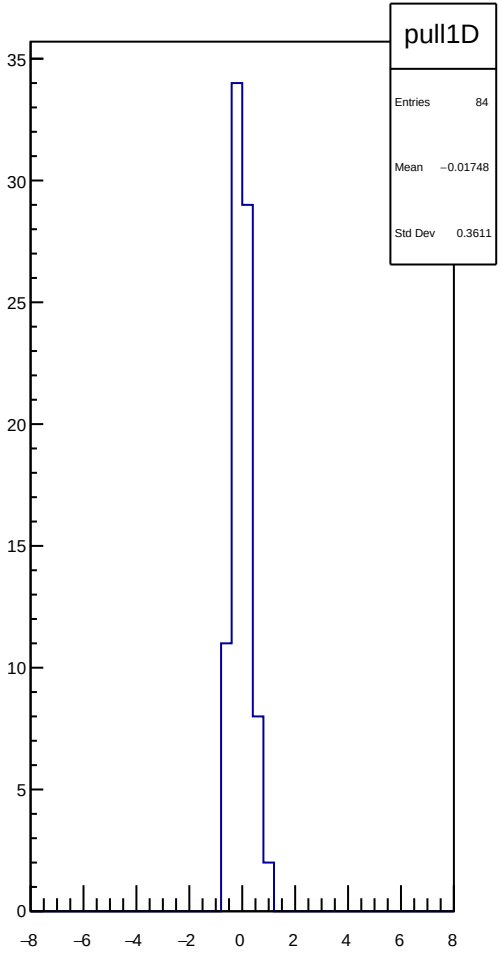

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 18.24 / 83
p0 0.4428 ± 0.01232
pull
Entries 84
Mean 305.6
Std Dev 265.9

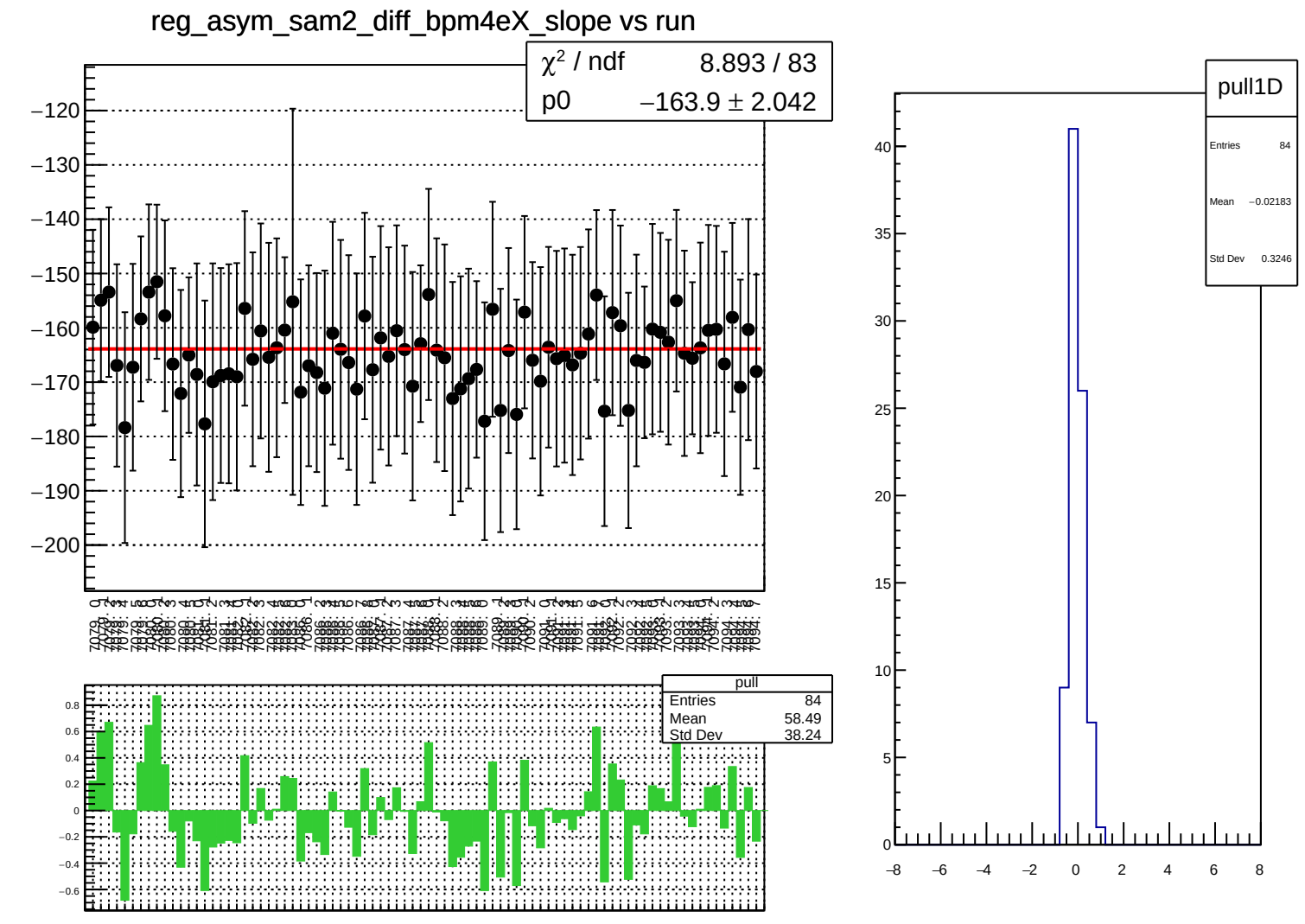

pull1D
Entries 84
Mean 0.006049
Std Dev 0.466

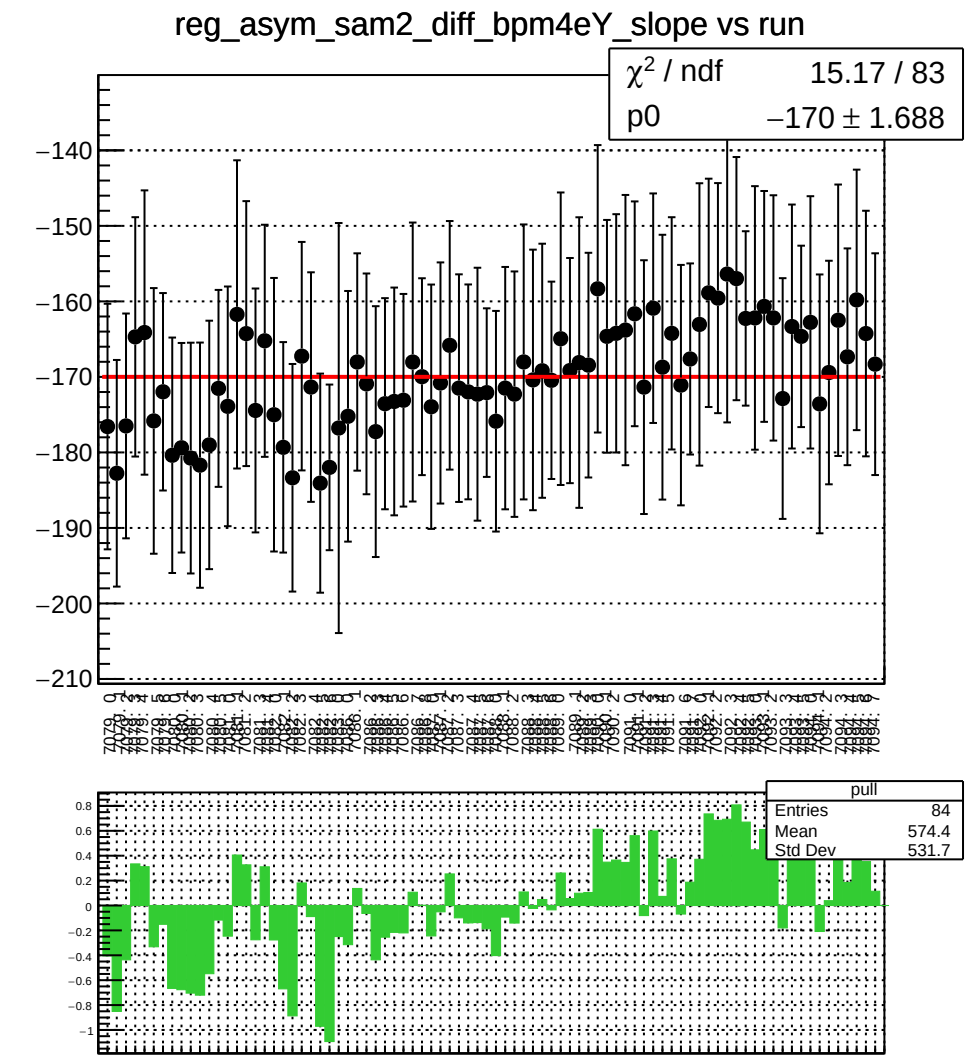

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 9.907 / 83
p0 −32.24 ± 2.117
pull
Entries 84
Mean 99.69
Std Dev 71.27

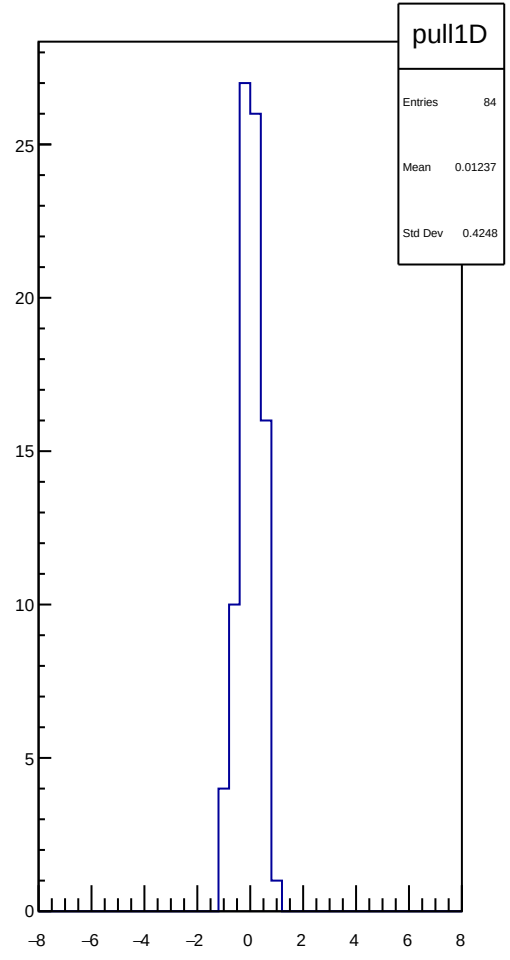

pull1D
Entries 84
Mean 0.02364
Std Dev 0.3426

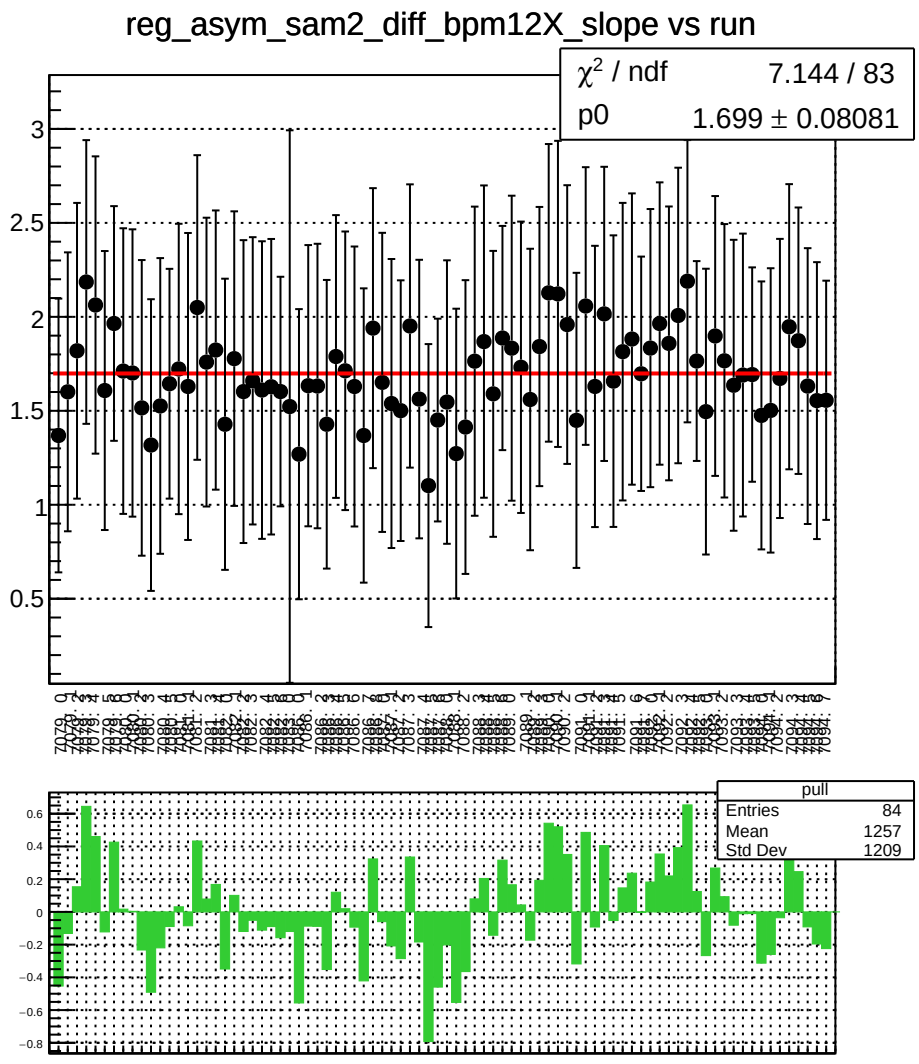

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 10.98 / 83
p0 −15.01± 1.604
pull
Entries 84
Mean 347.8
Std Dev 305.5

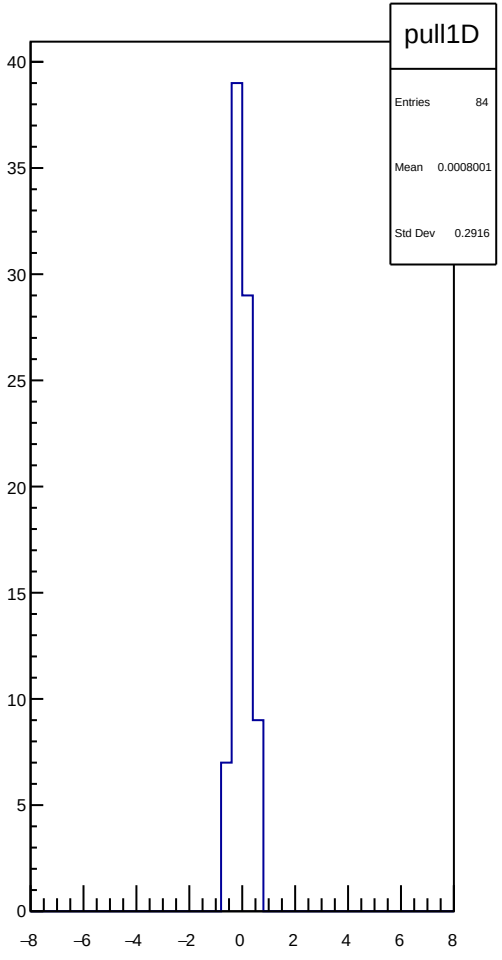

pull1D
Entries 84
Mean −0.01748
Std Dev 0.3611

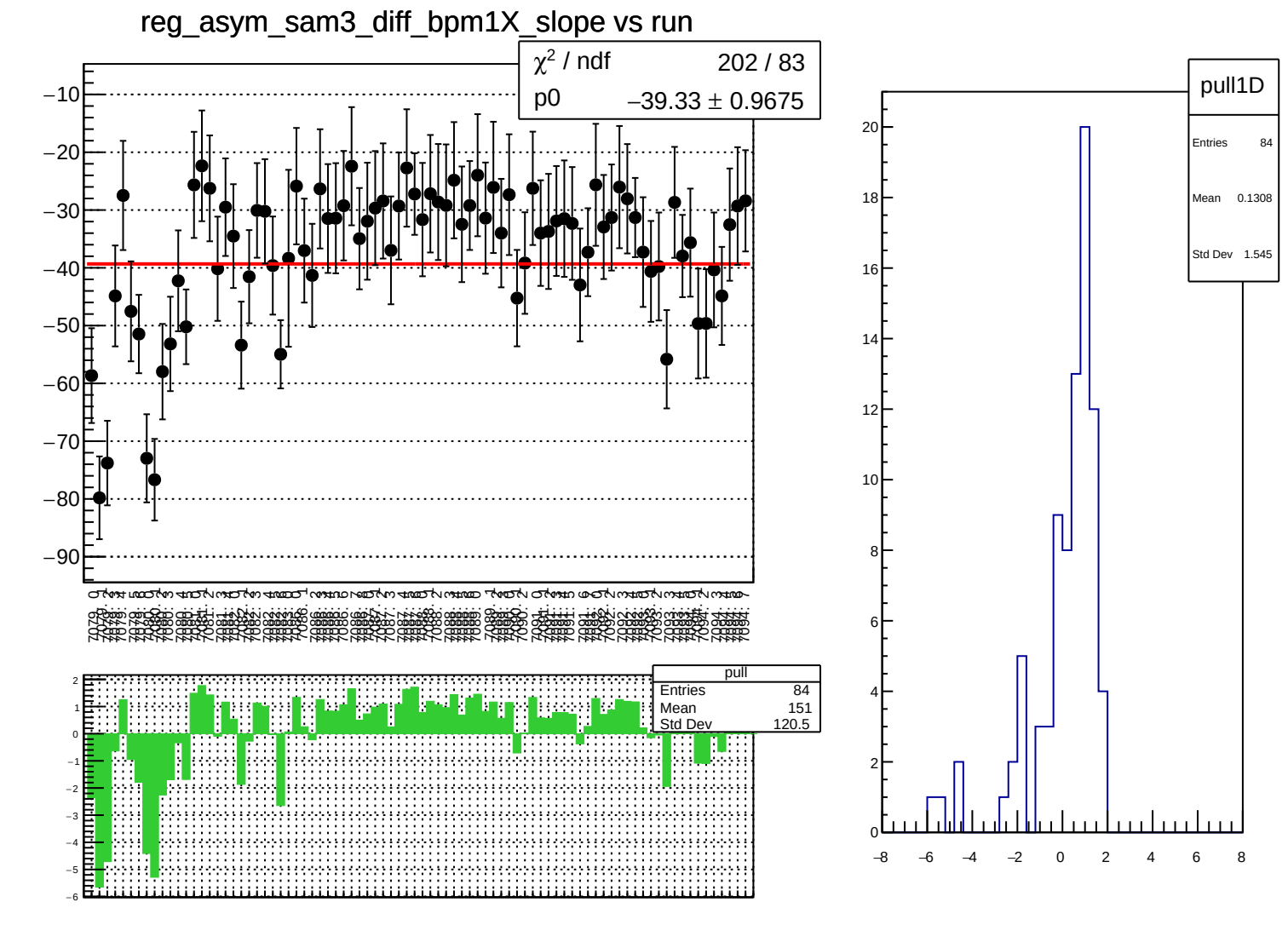

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 8.893 / 83
p0 −163.9 ± 2.042
pull
Entries 84
Mean 58.49
Std Dev 38.24
pull1D
Entries 84
Mean −0.02183
Std Dev 0.3246

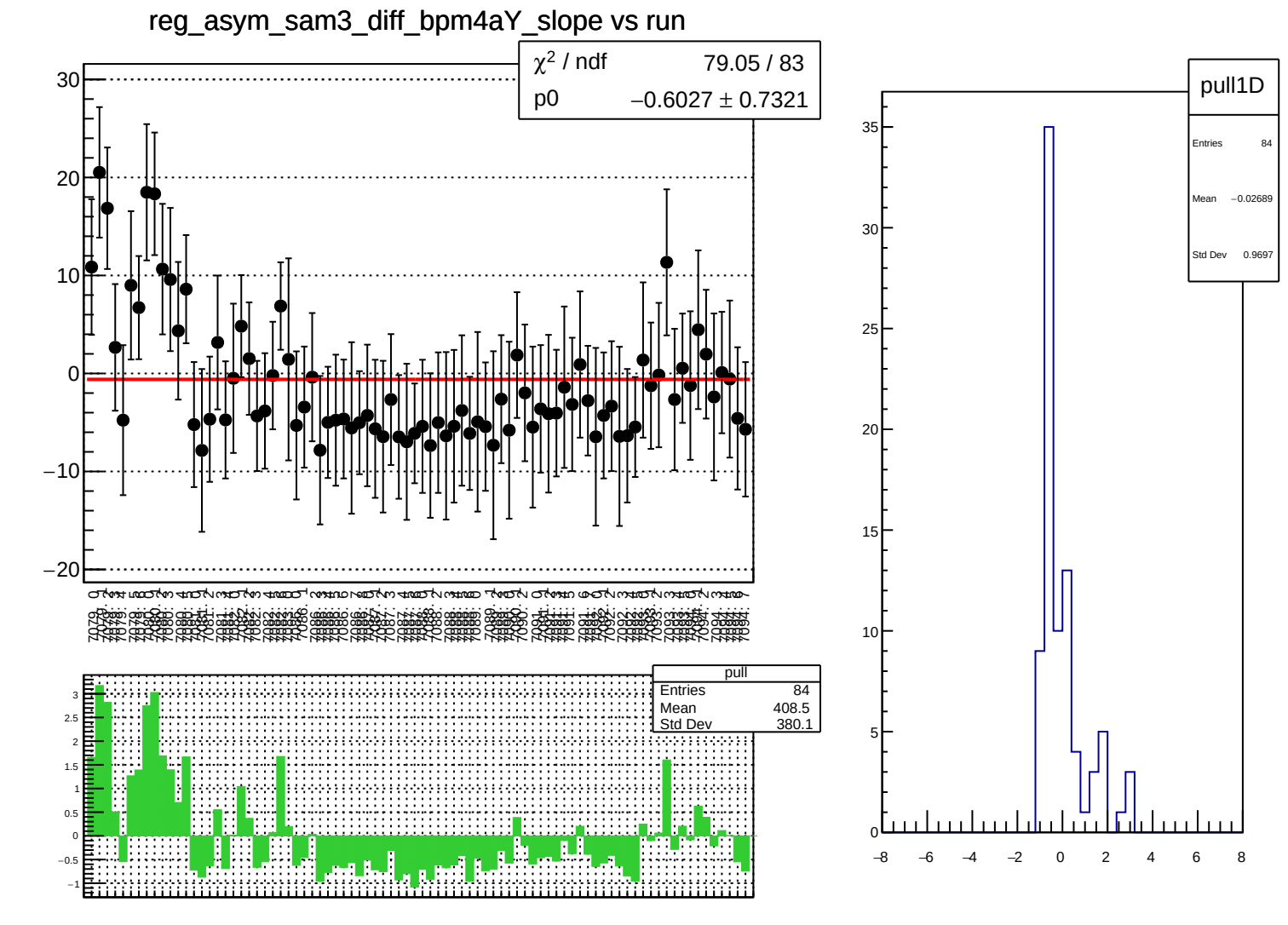

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 15.17 / 83
p0 −170 ± 1.688
pull
Entries 84
Mean 574.4
Std Dev 531.7

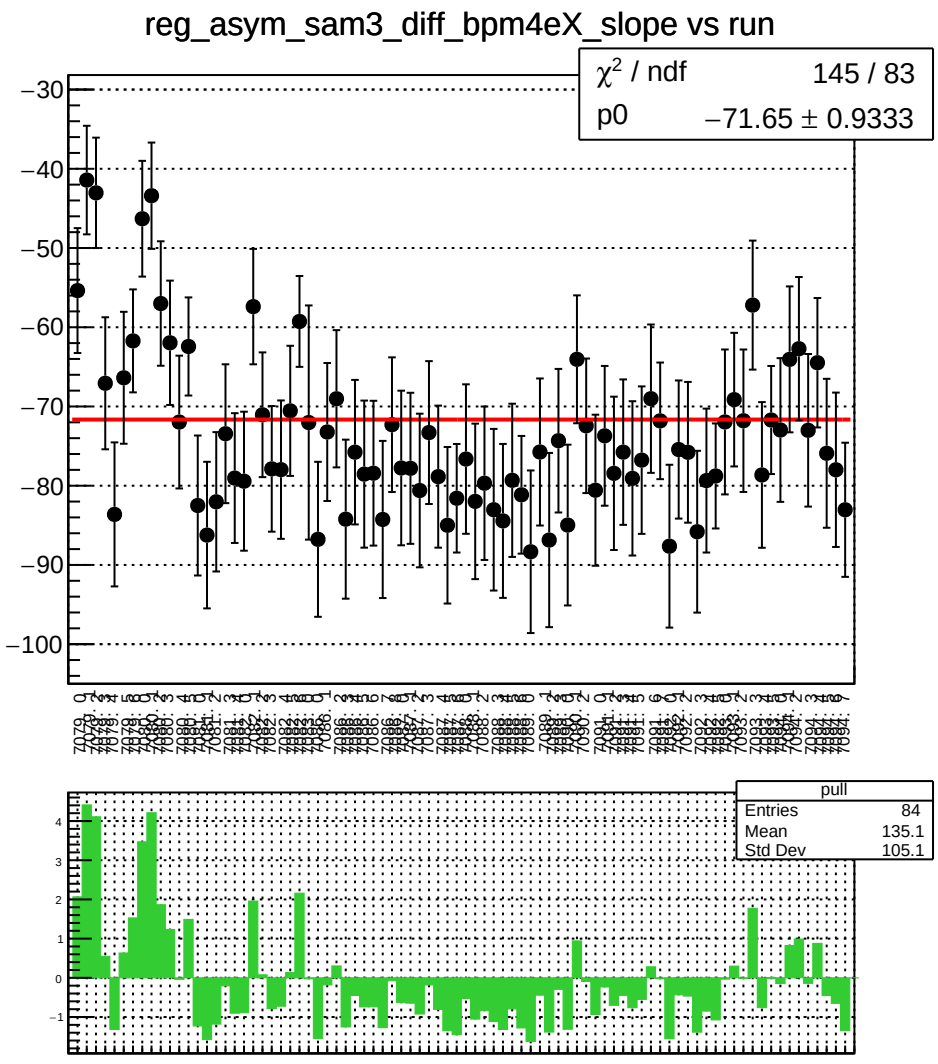

pull1D
Entries 84
Mean 0.01237
Std Dev 0.4248

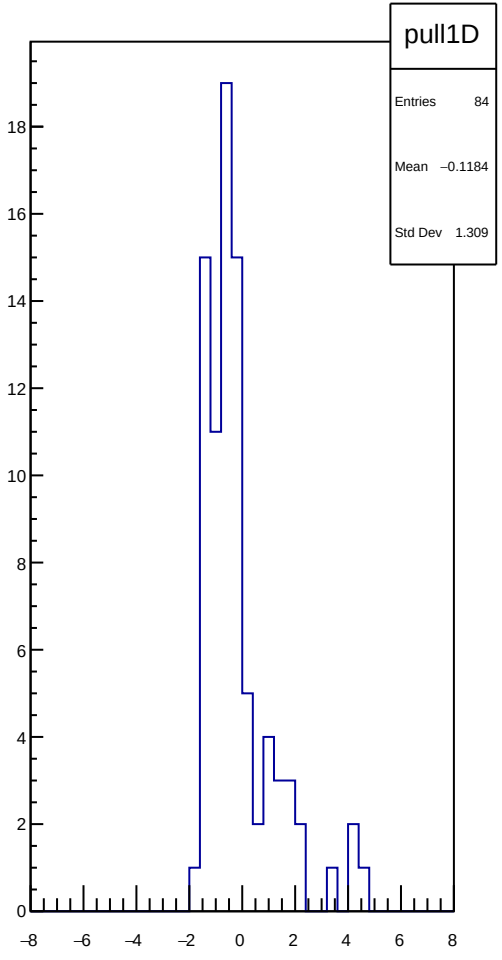

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 7.144 / 83
p0 1.699 ± 0.08081
pull
Entries 84
Mean 1257
Std Dev 1209

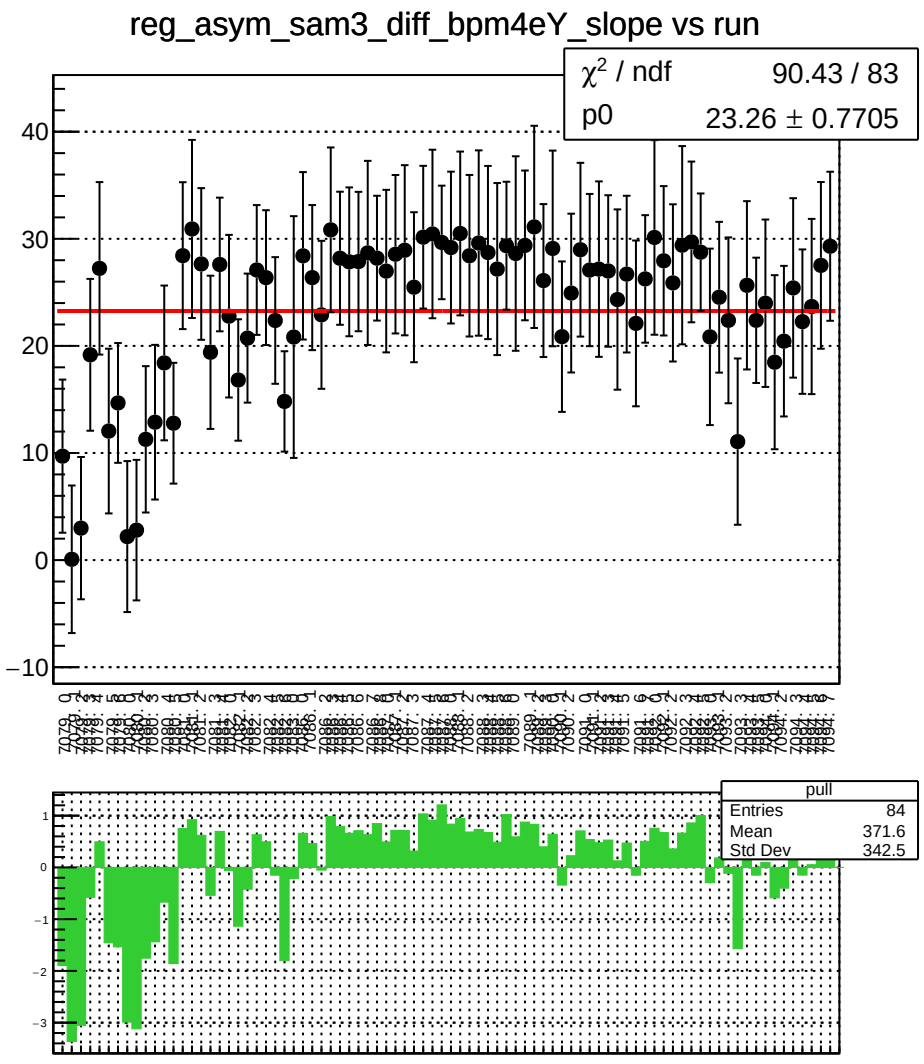

pull1D
Entries 84
Mean 0.0008001
Std Dev 0.2916

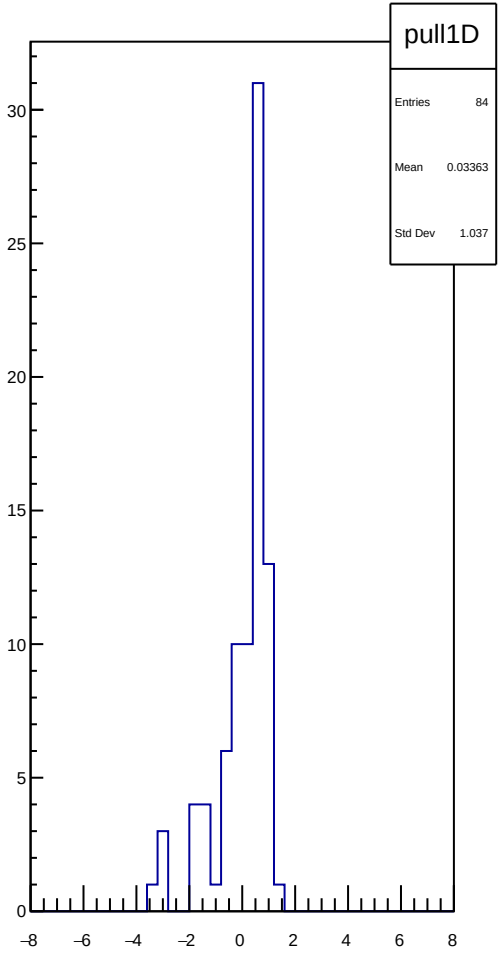

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 202 / 83
p0 −39.33 ± 0.9675
pull
Entries 84
Mean 151
Std Dev 120.5
pull1D
Entries 84
Mean 0.1308
Std Dev 1.545

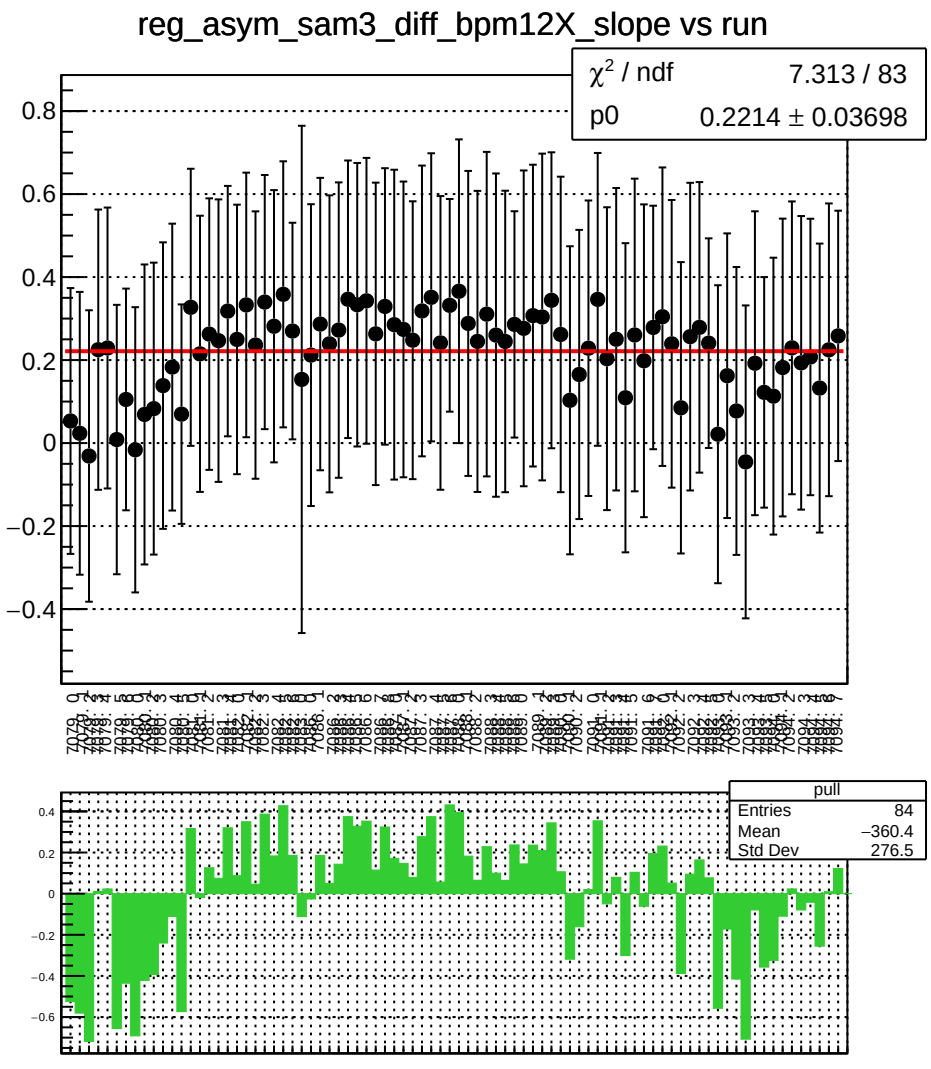

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 79.05 / 83
p0 −0.6027 ± 0.7321
pull
Entries 84
Mean 408.5
Std Dev 380.1
pull1D
Entries 84
Mean −0.02689
Std Dev 0.9697

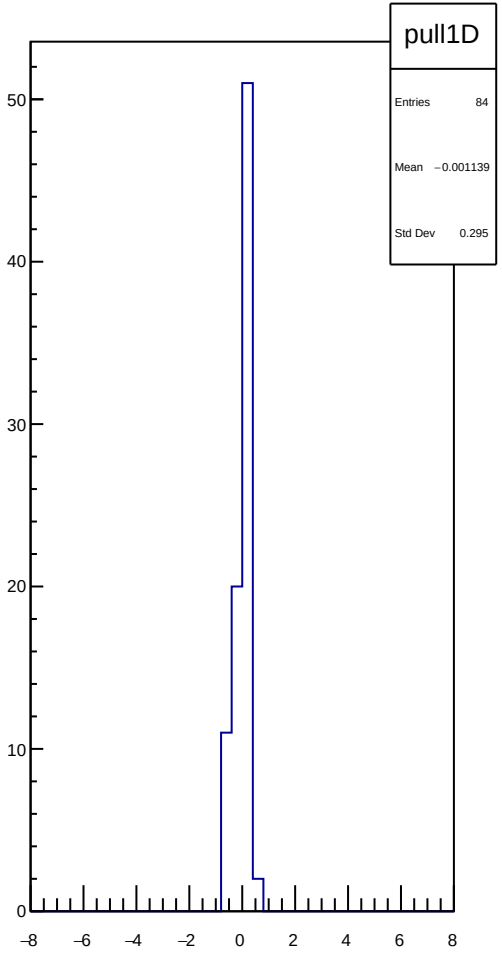

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 145 / 83
p0 −71.65 ± 0.9333
pull
Entries 84
Mean 135.1
Std Dev 105.1

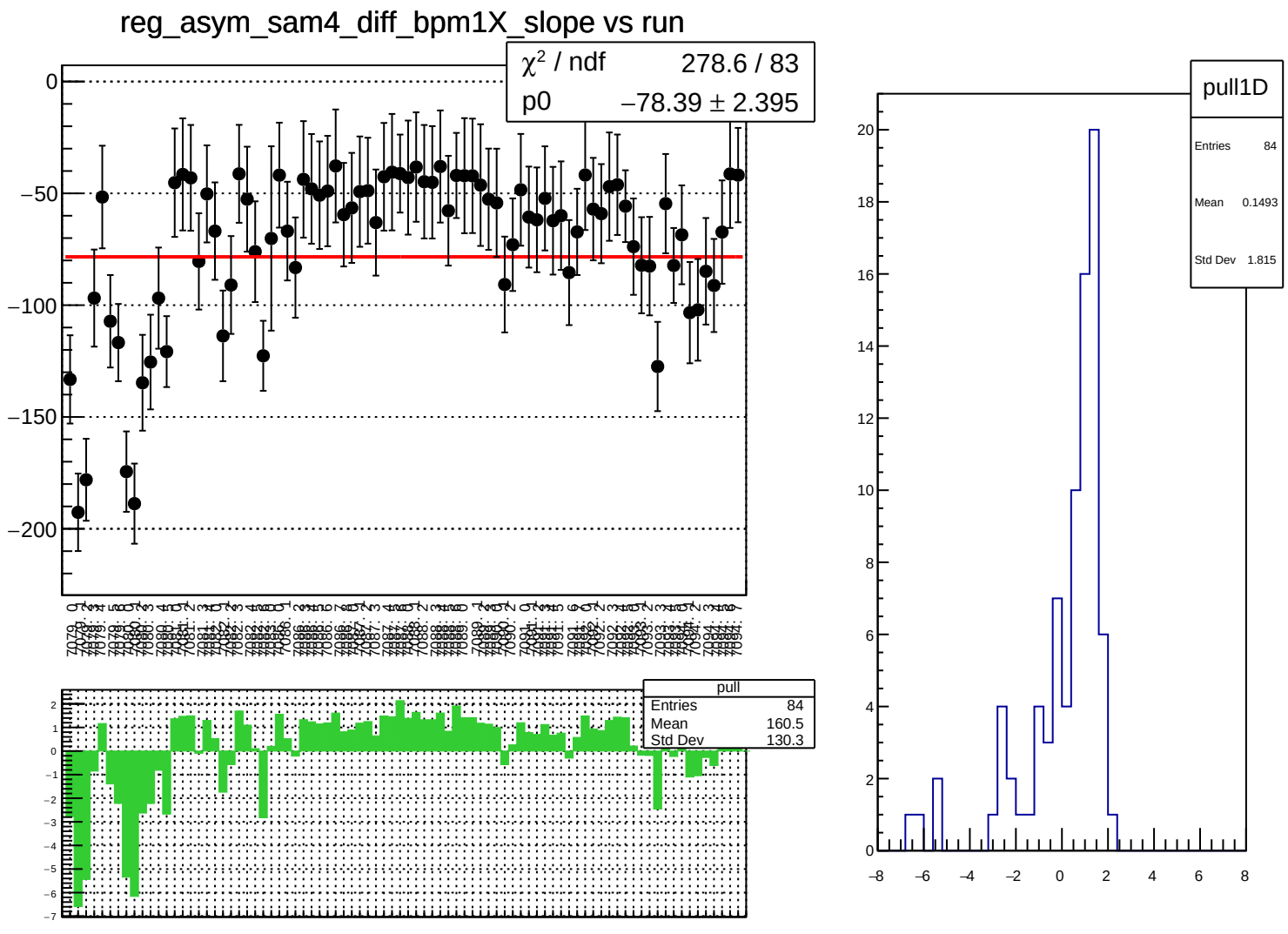

pull1D
Entries 84
Mean −0.1184
Std Dev 1.309

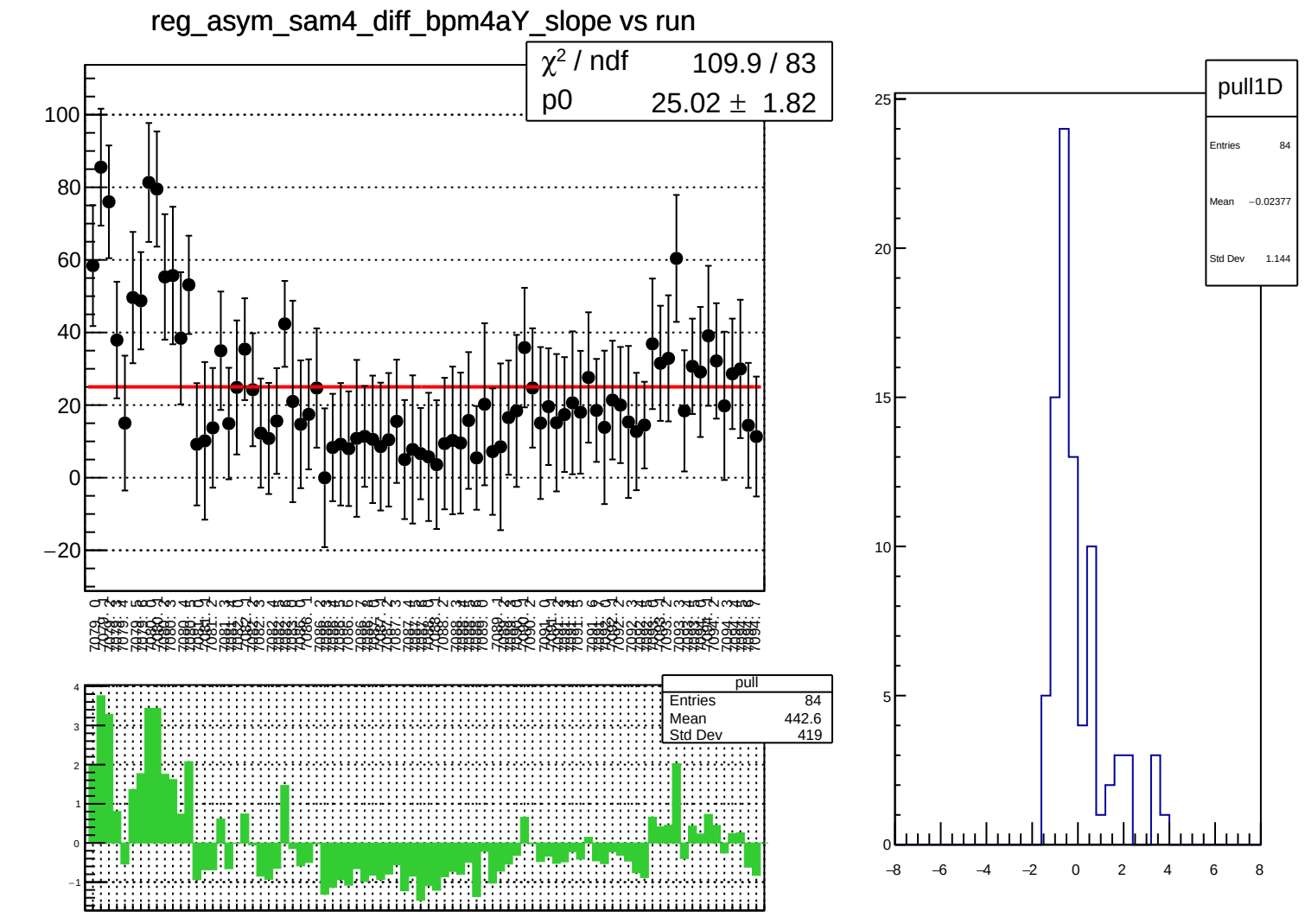

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 90.43 / 83
p0 23.26 ± 0.7705
pull
Entries 84
Mean 371.6
Std Dev 342.5

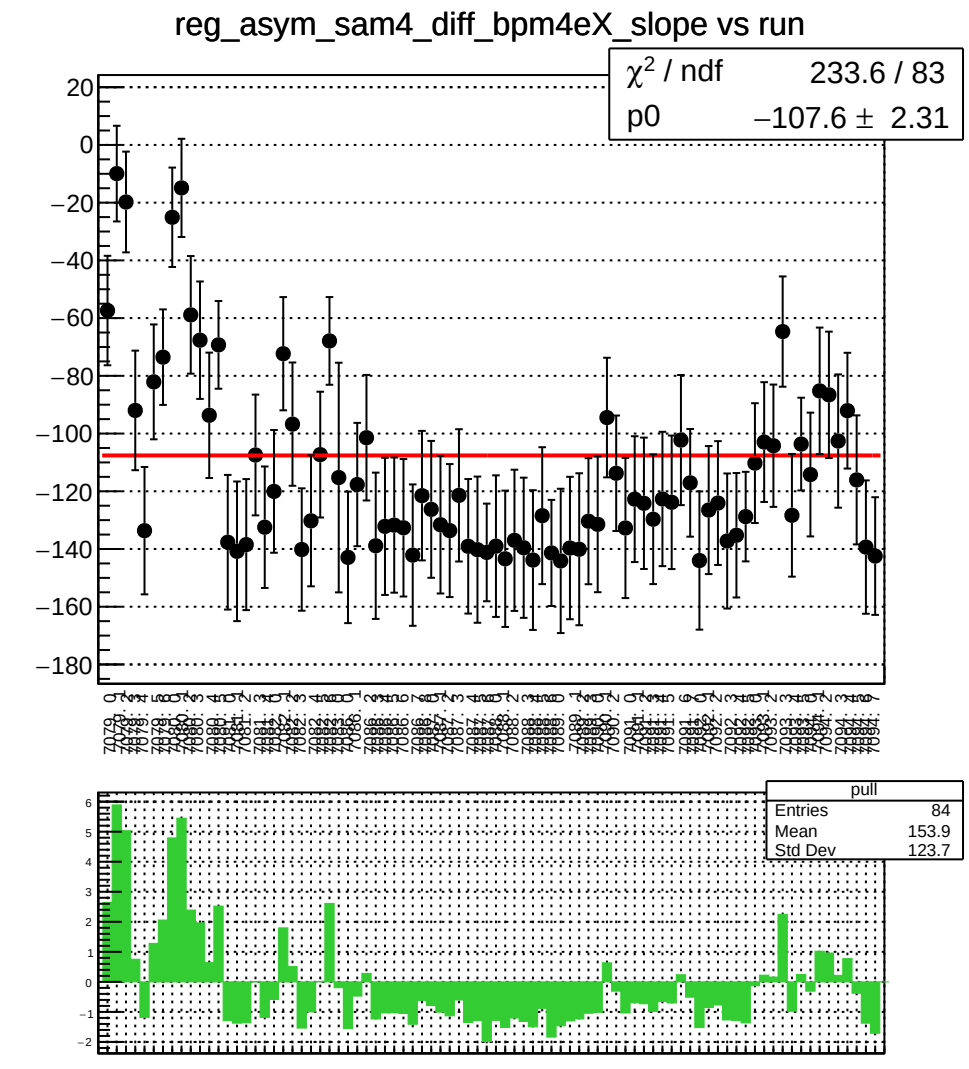

pull1D
Entries 84
Mean 0.03363
Std Dev 1.037

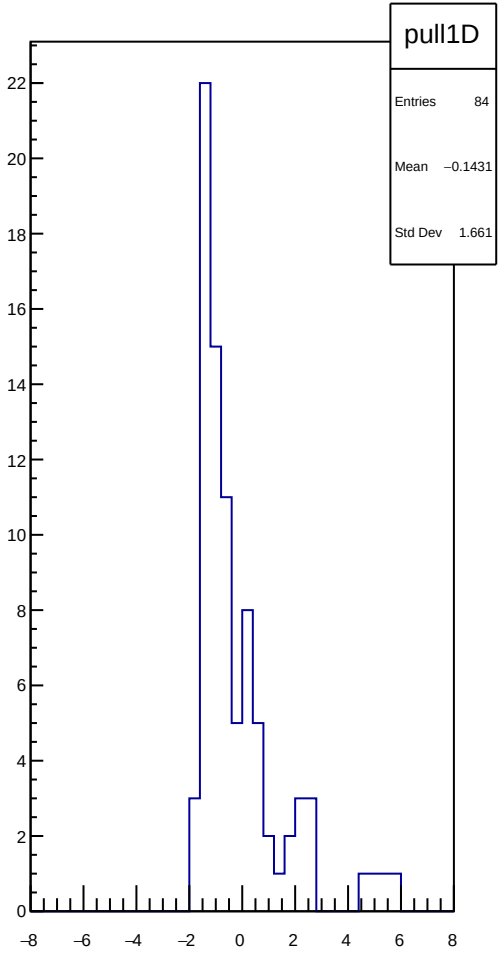

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 7.313 / 83
p0 0.2214 ± 0.03698
pull
Entries 84
Mean −360.4
Std Dev 276.5

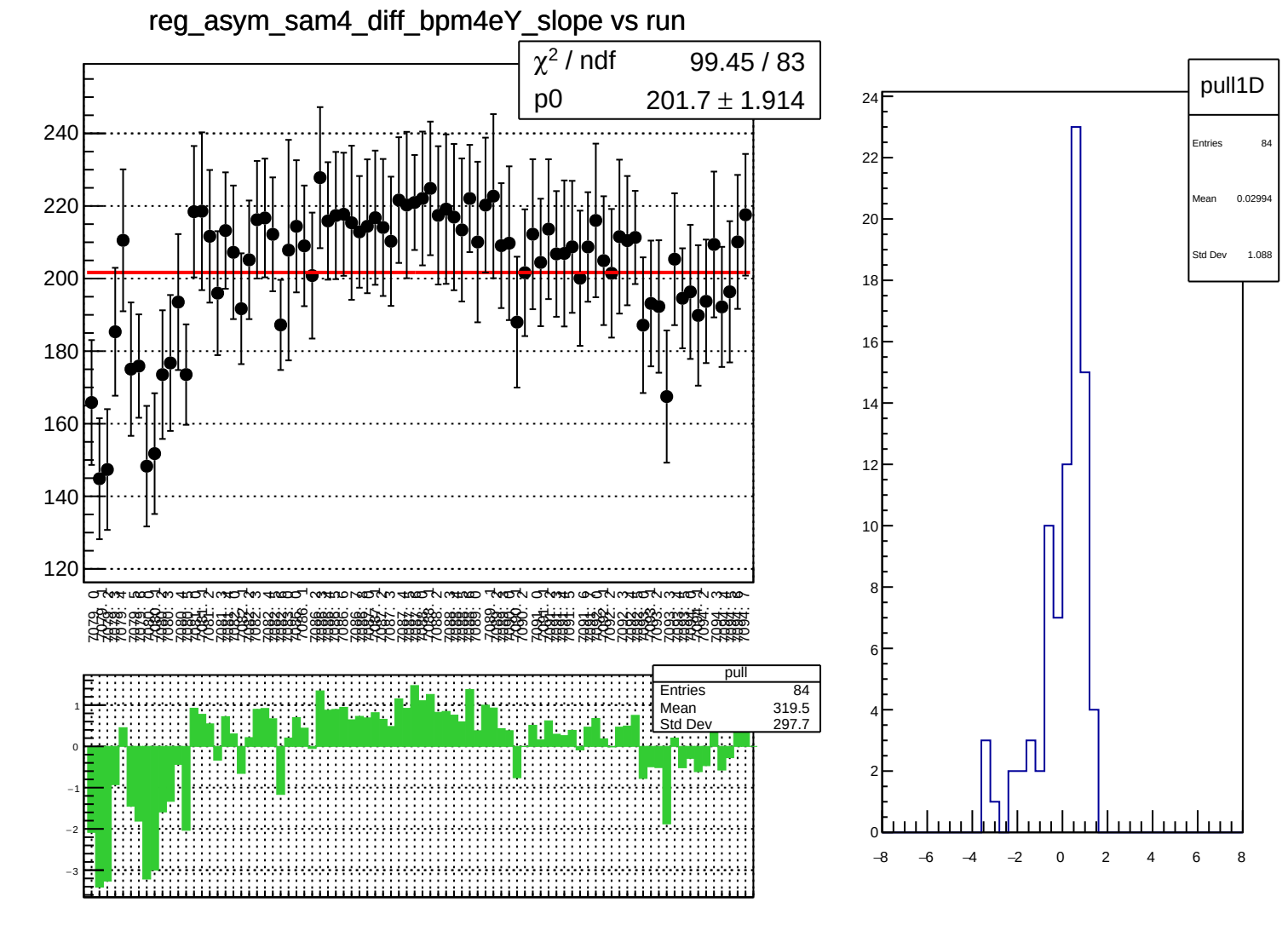

pull1D
Entries 84
Mean −0.001139
Std Dev 0.295

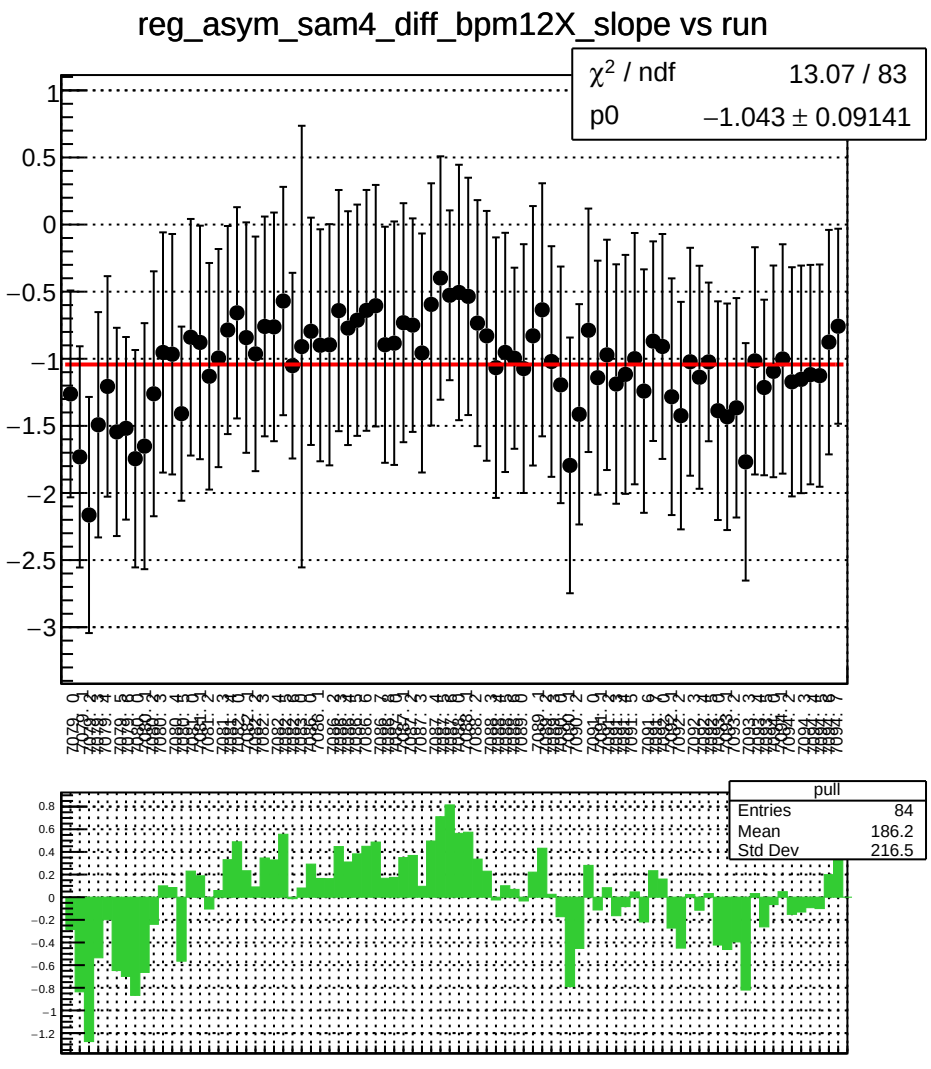

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 278.6 / 83
p0 −78.39 ± 2.395
pull
Entries 84
Mean 160.5
Std Dev 130.3
pull1D
Entries 84
Mean 0.1493
Std Dev 1.815

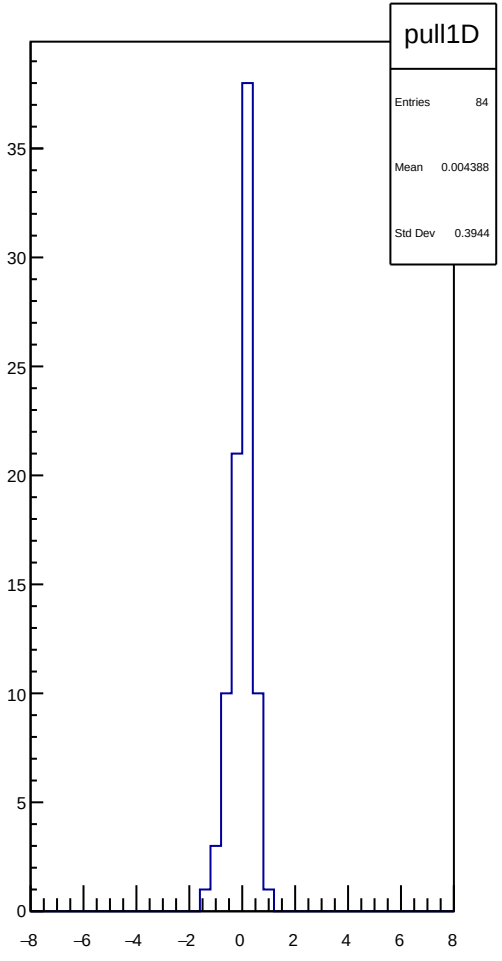

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 109.9 / 83
p0 25.02 ± 1.82
pull
Entries 84
Mean 442.6
Std Dev 419
pull1D
Entries 84
Mean −0.02377
Std Dev 1.144

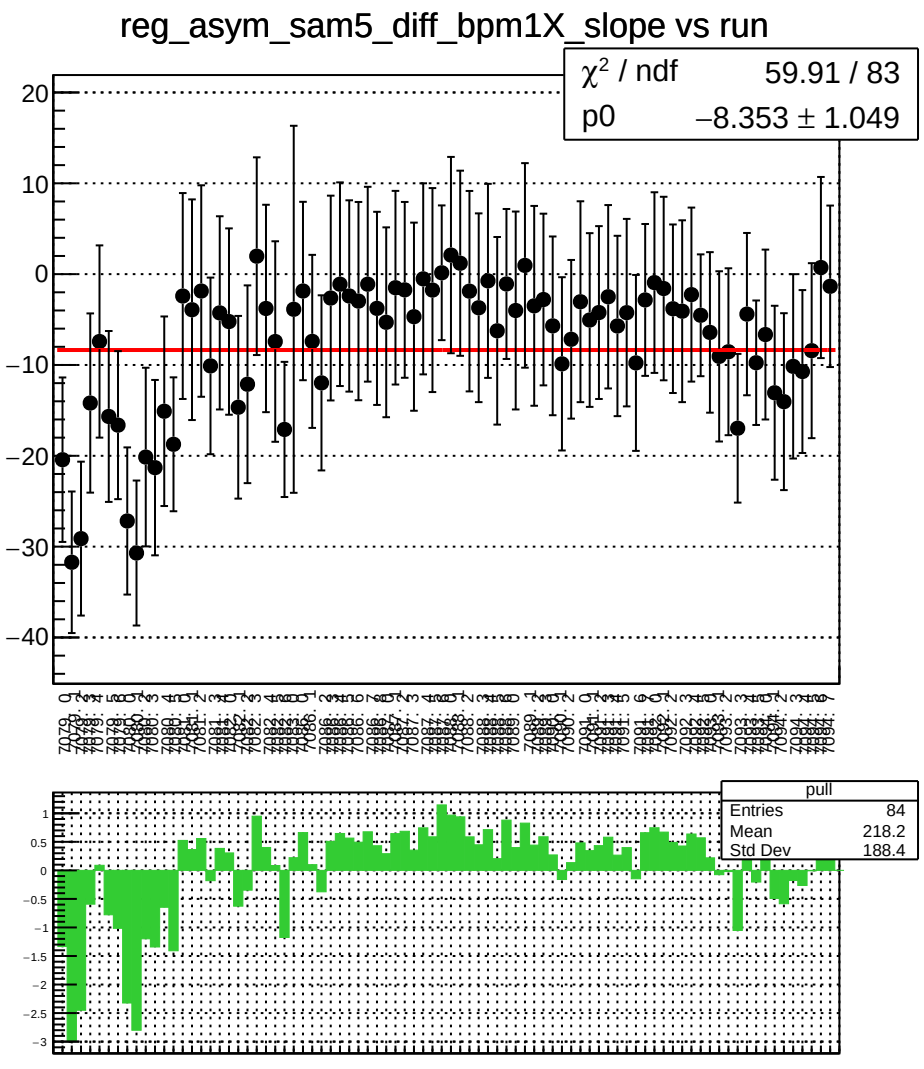

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 233.6 / 83
p0 −107.6 ± 2.31
pull
Entries 84
Mean 153.9
Std Dev 123.7

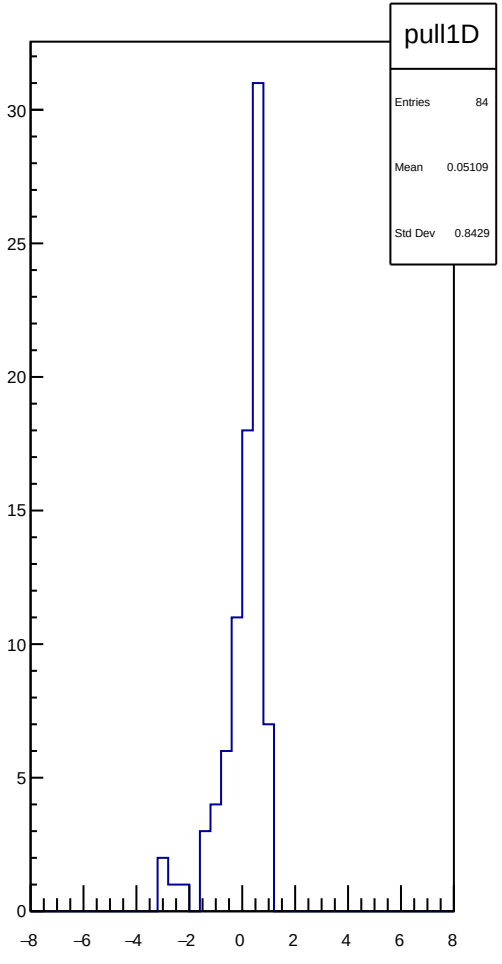

pull1D
Entries 84
Mean −0.1431
Std Dev 1.661

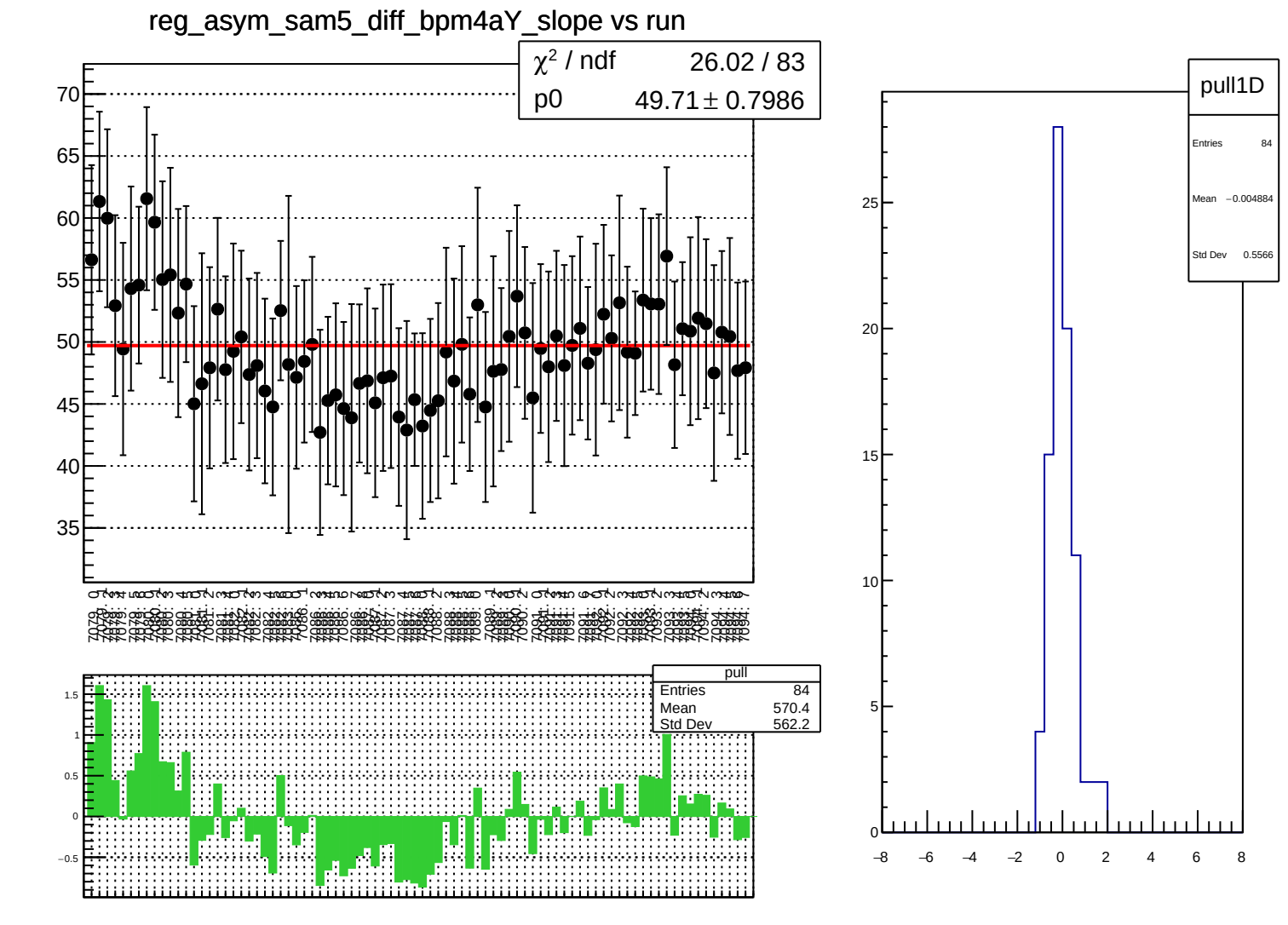

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 99.45 / 83
p0 201.7 ± 1.914
240
220
200
180
160
140
120
pull
Entries 84
Mean 319.5
Std Dev 297.7
1
0
−1
−2
−3
pull1D
Entries 84
Mean 0.02994
Std Dev 1.088
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

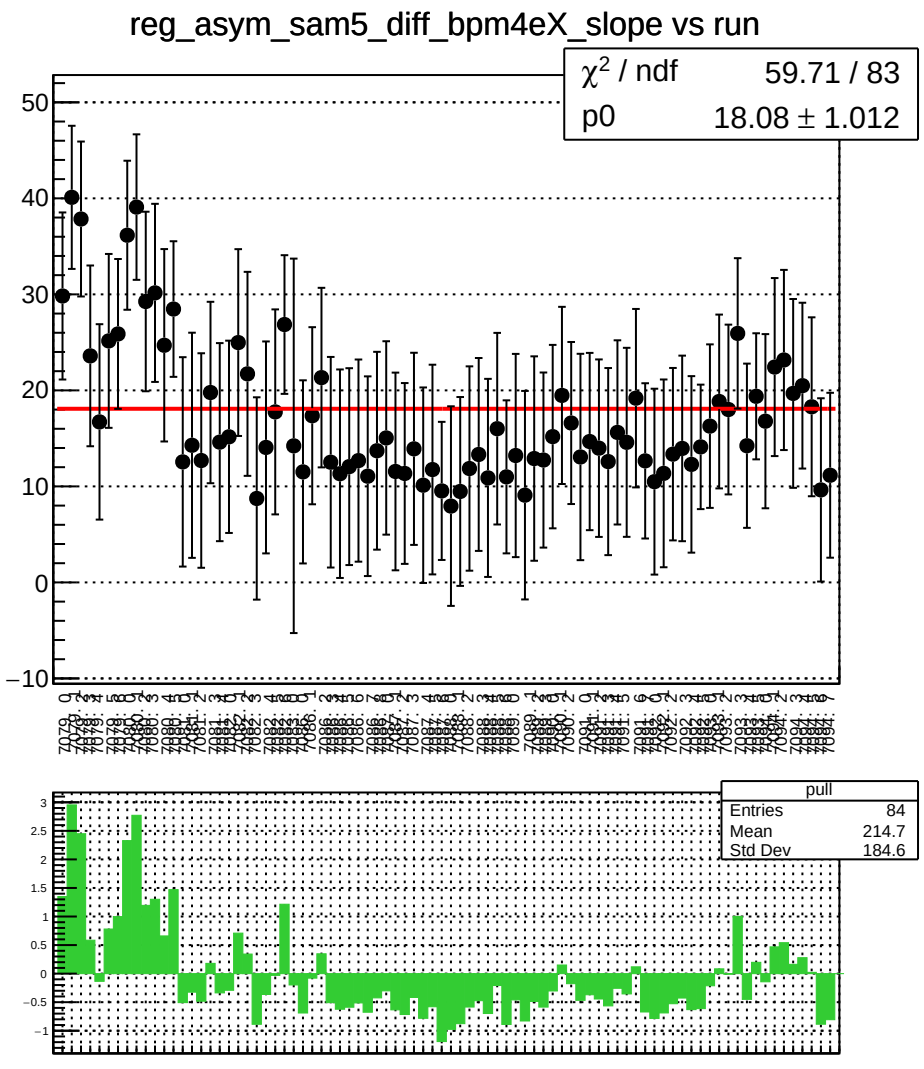

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 13.07 / 83
p0 −1.043 ± 0.09141
pull
Entries 84
Mean 186.2
Std Dev 216.5

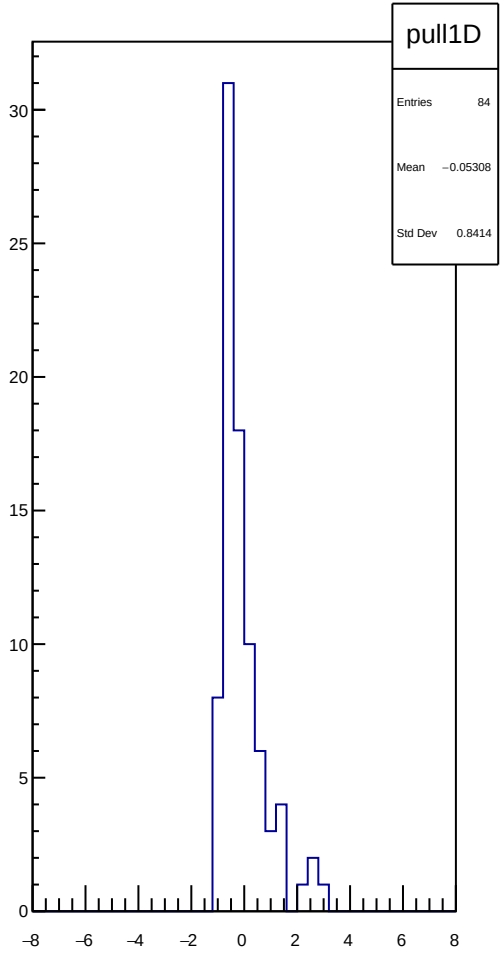

pull1D
Entries 84
Mean 0.004388
Std Dev 0.3944

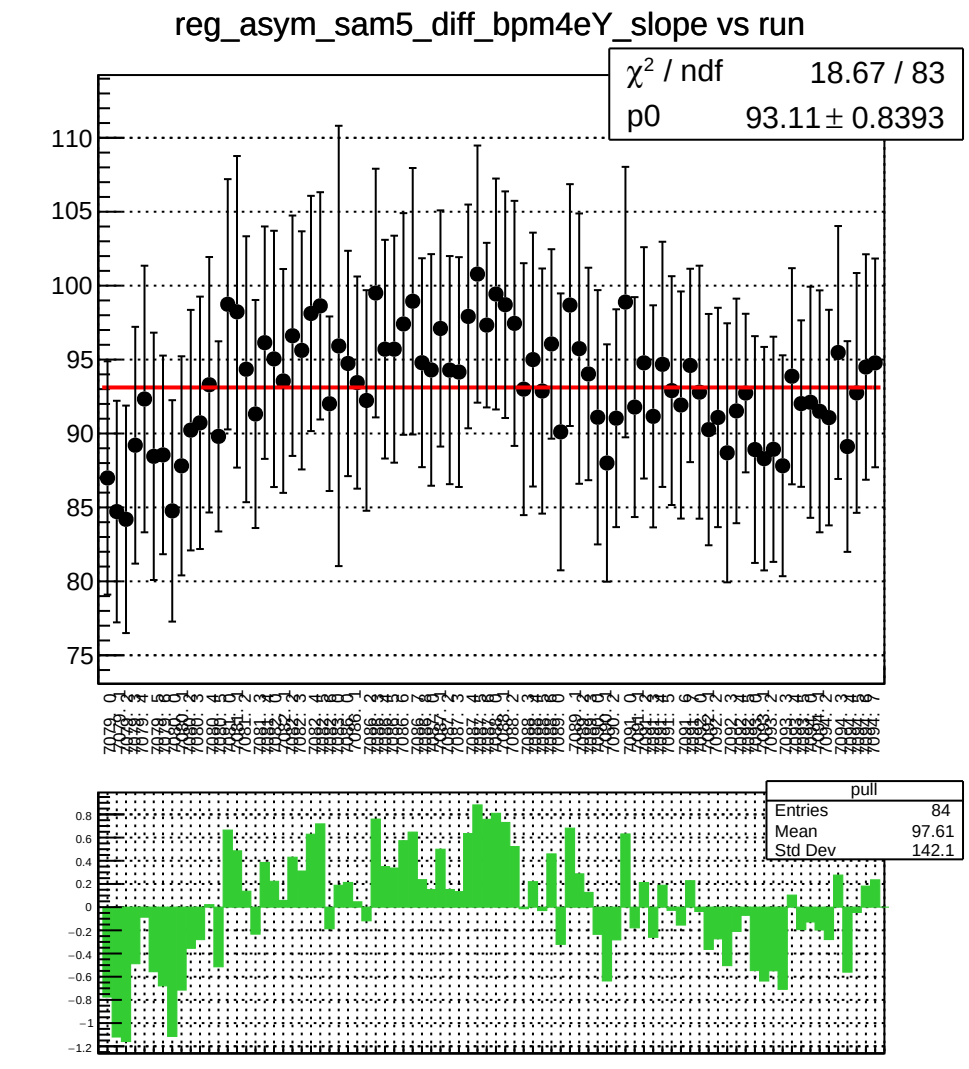

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 59.91 / 83
p0 −8.353 ± 1.049
pull
Entries 84
Mean 218.2
Std Dev 188.4

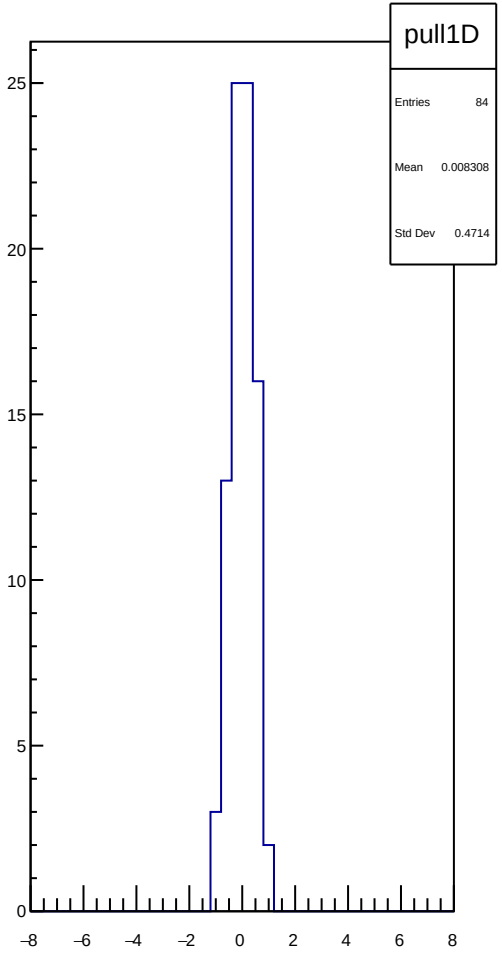

pull1D
Entries 84
Mean 0.05109
Std Dev 0.8429

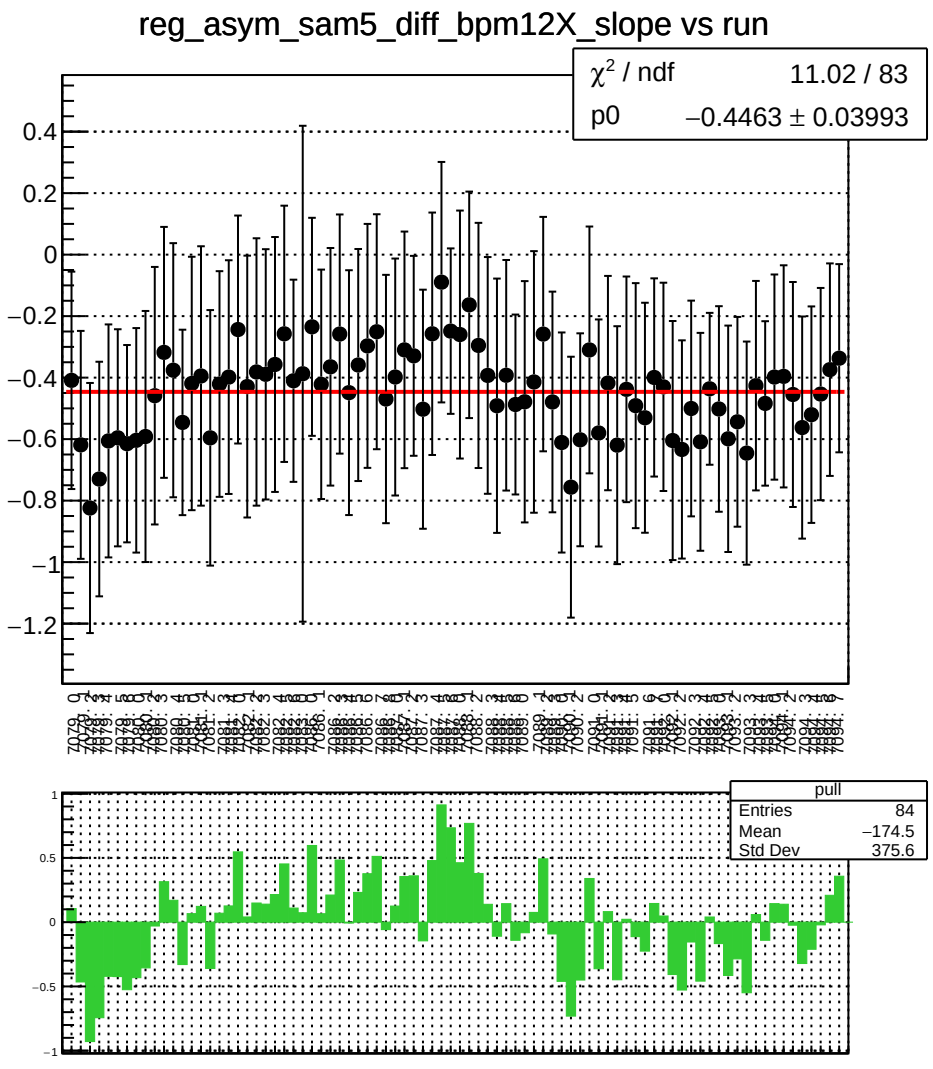

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 26.02 / 83
p0 49.71 ± 0.7986
pull
Entries 84
Mean 570.4
Std Dev 562.2
pull1D
Entries 84
Mean −0.004884
Std Dev 0.5566

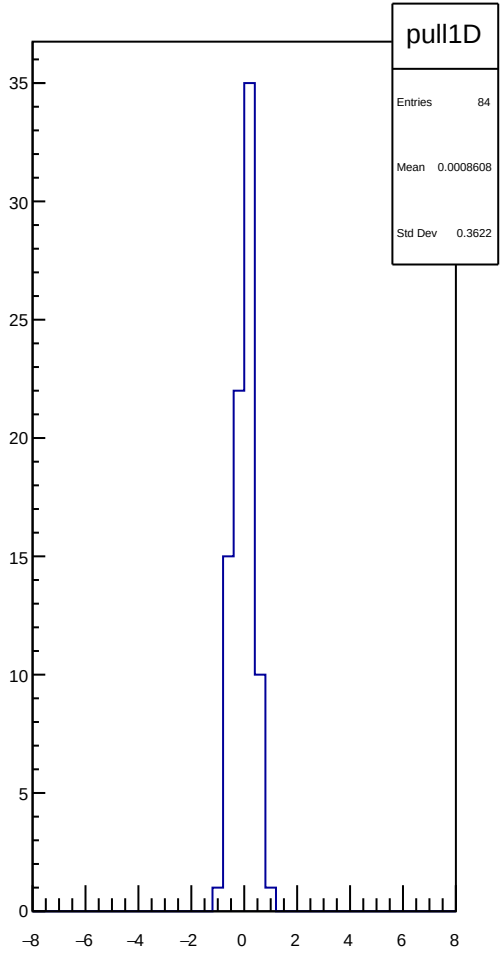

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 59.71 / 83
p0 18.08 ± 1.012
pull
Entries 84
Mean 214.7
Std Dev 184.6

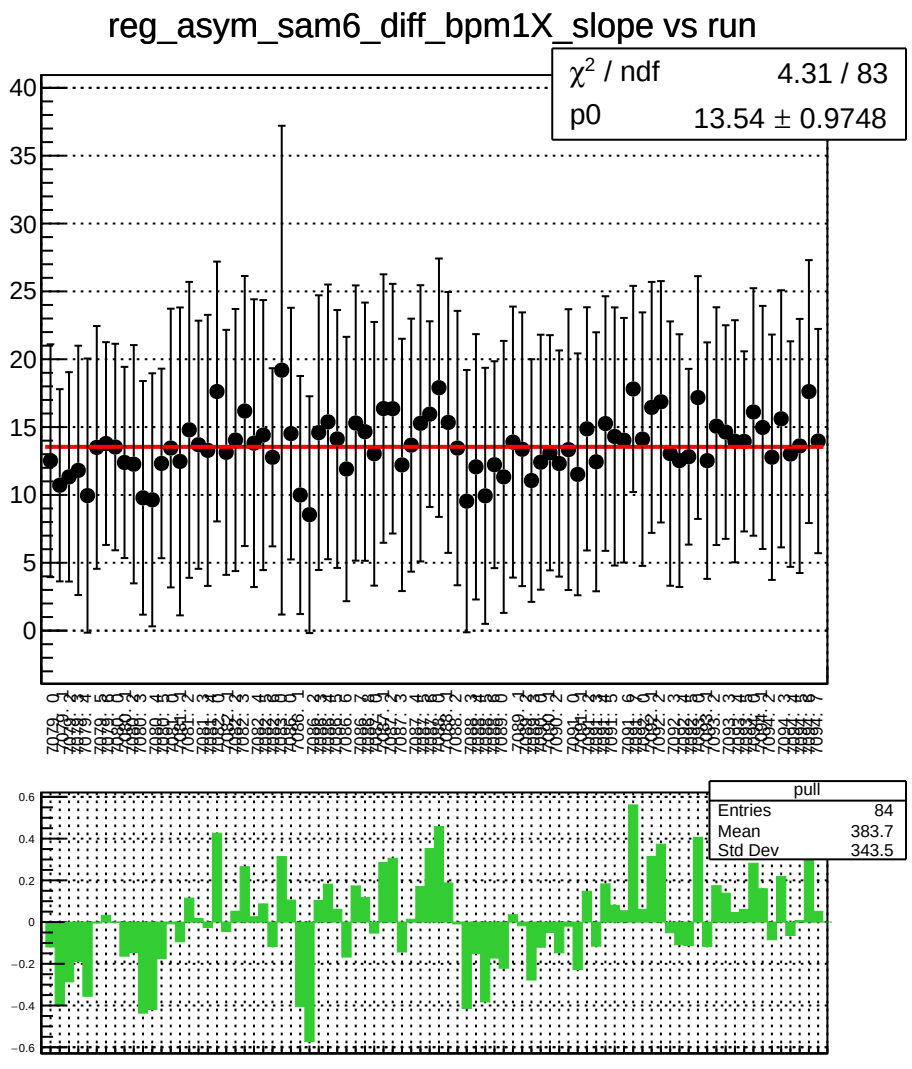

pull1D
Entries 84
Mean −0.05308
Std Dev 0.8414

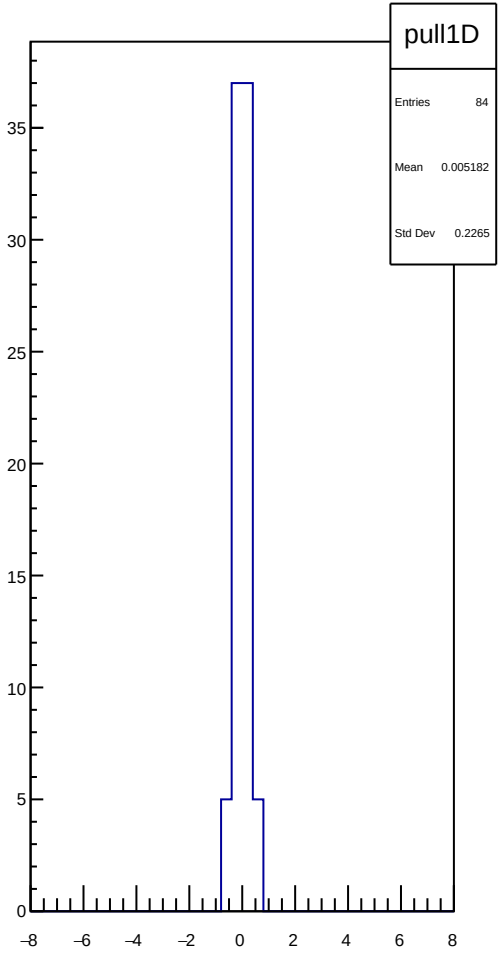

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 18.67 / 83
p0 93.11 ± 0.8393
pull
Entries 84
Mean 97.61
Std Dev 142.1

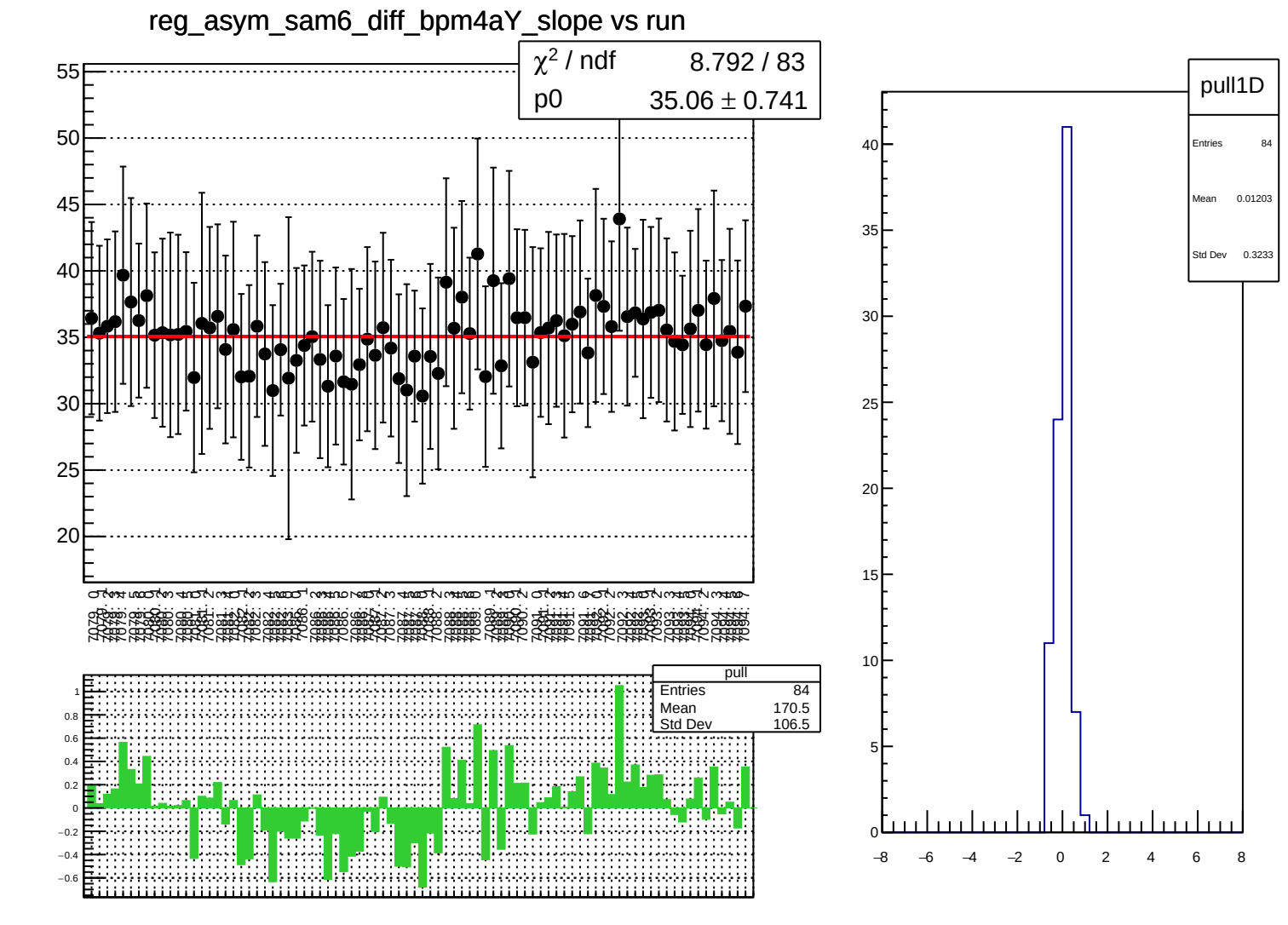

pull1D
Entries 84
Mean 0.008308
Std Dev 0.4714

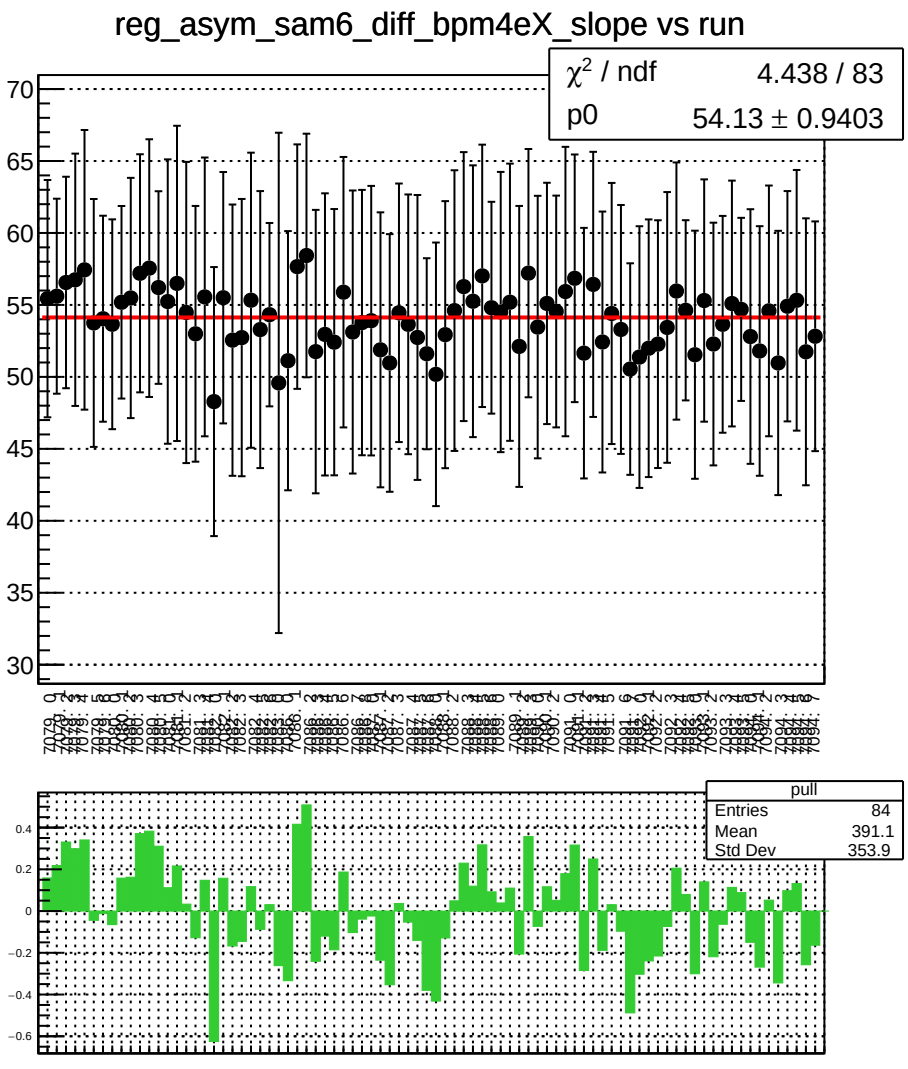

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 11.02 / 83
p0 −0.4463 ± 0.03993
pull
Entries 84
Mean −174.5
Std Dev 375.6

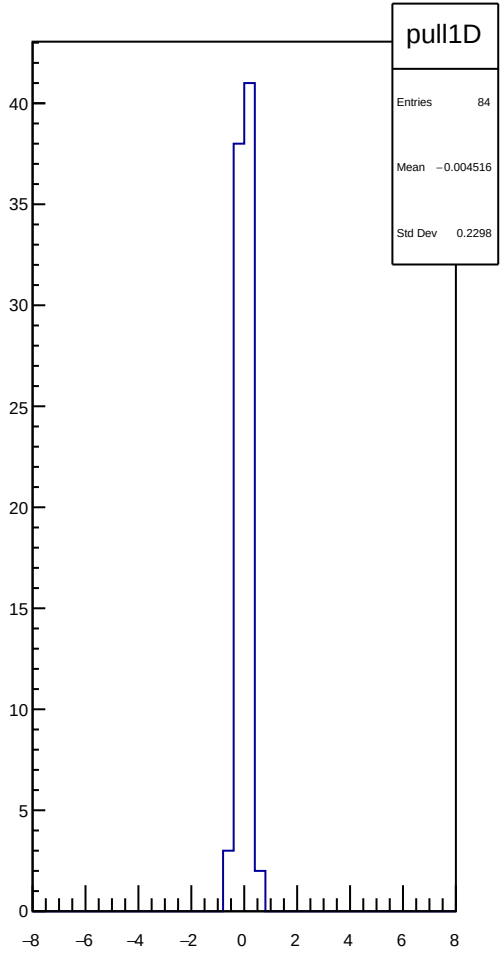

pull1D
Entries 84
Mean 0.0008608
Std Dev 0.3622

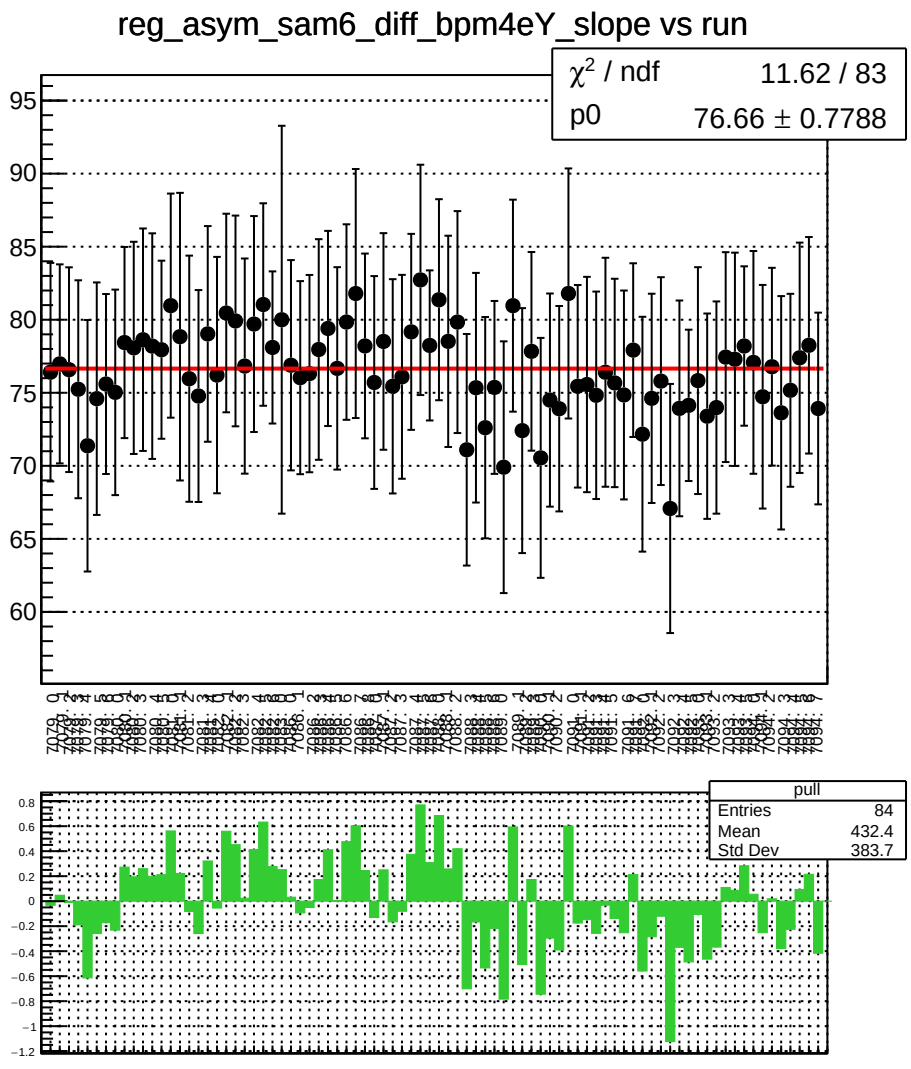

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 4.31 / 83
p0 13.54 ± 0.9748
pull
Entries 84
Mean 383.7
Std Dev 343.5

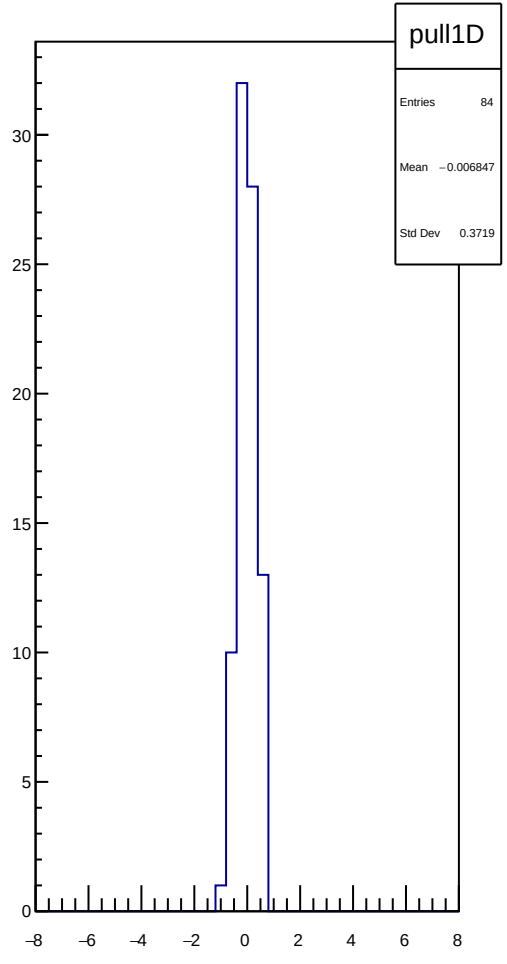

pull1D
Entries 84
Mean 0.005182
Std Dev 0.2265

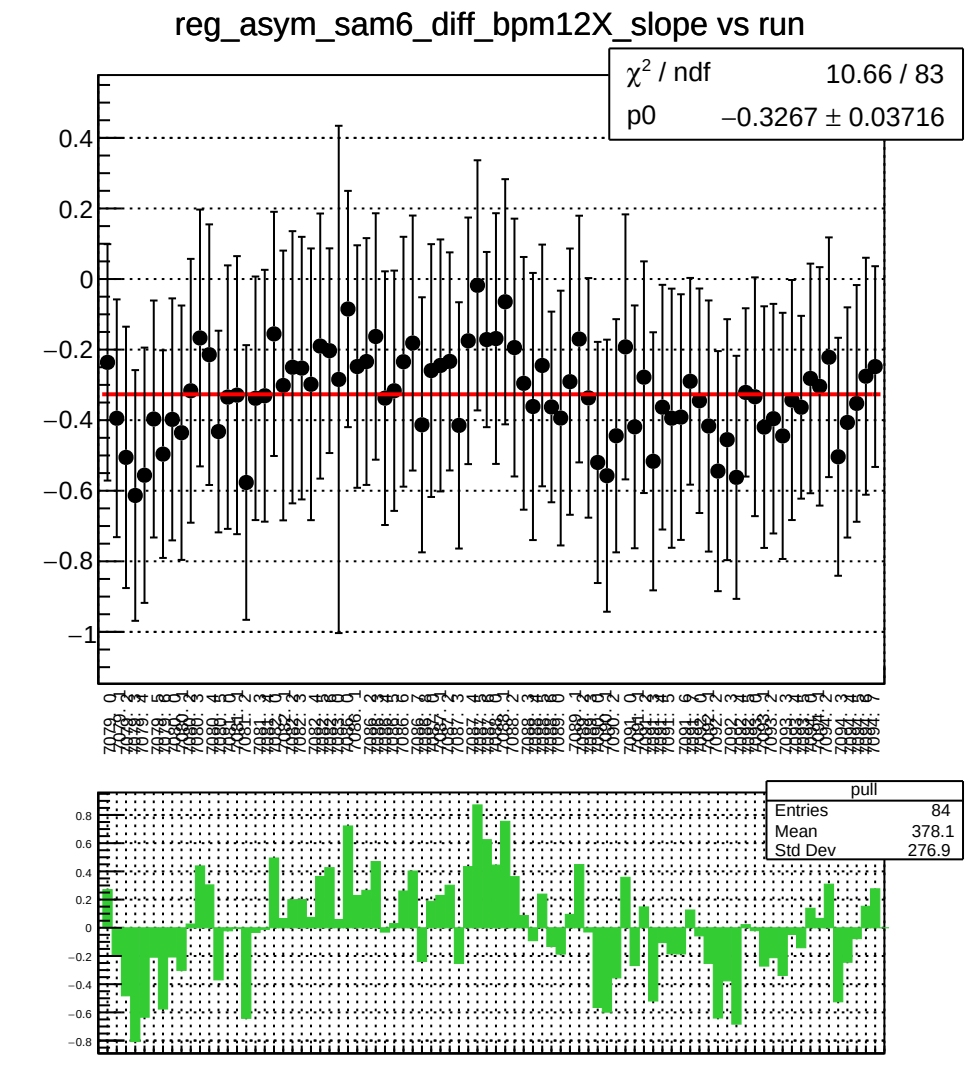

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 8.792 / 83
p0 35.06 ± 0.741
pull
Entries 84
Mean 170.5
Std Dev 106.5
pull1D
Entries 84
Mean 0.01203
Std Dev 0.3233

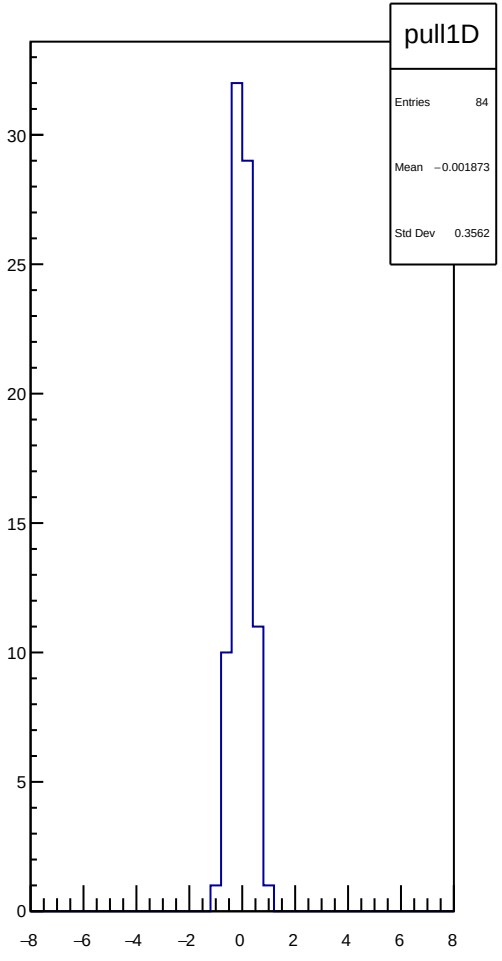

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 4.438 / 83
p0 54.13 ± 0.9403
pull
Entries 84
Mean 391.1
Std Dev 353.9

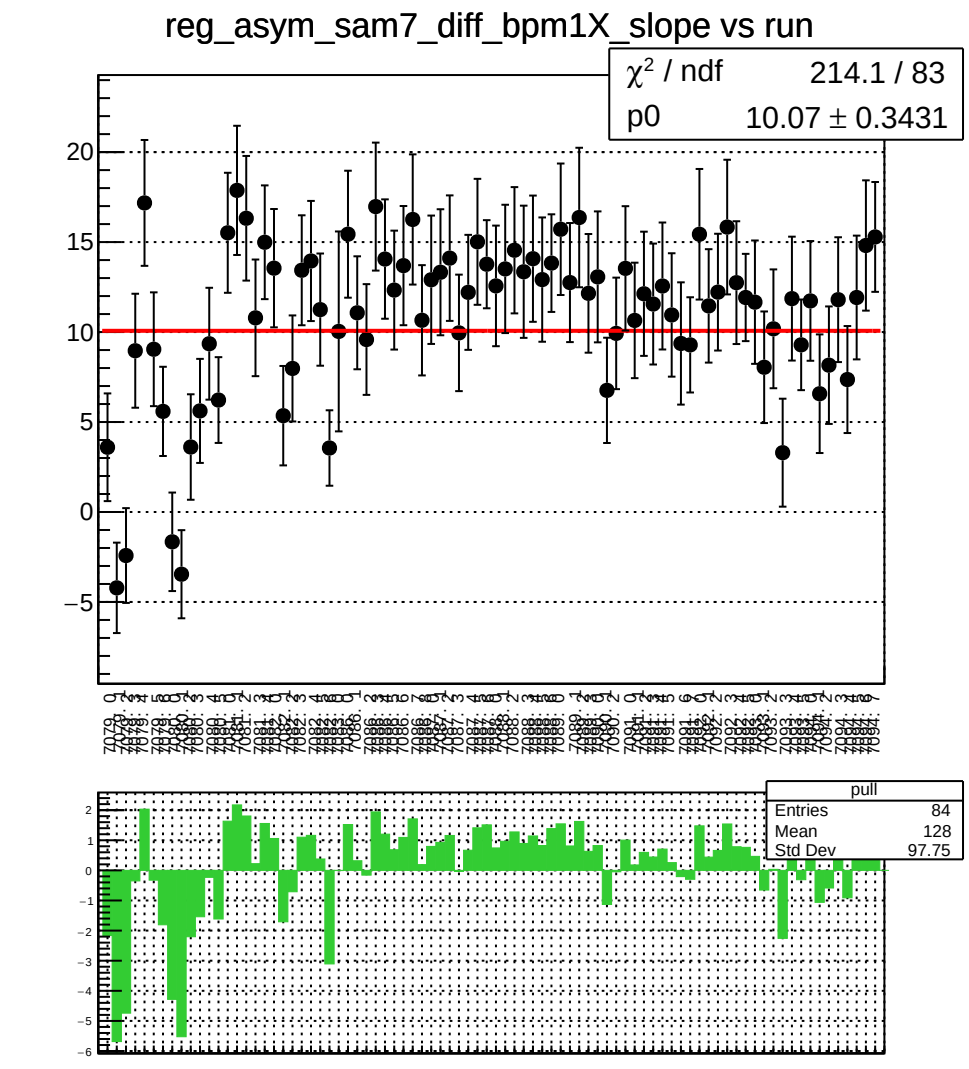

pull1D
Entries 84
Mean −0.004516
Std Dev 0.2298

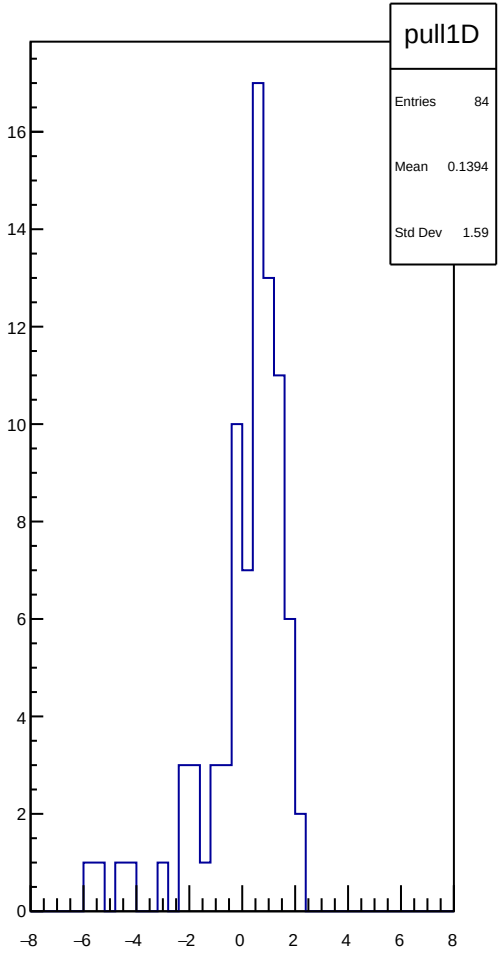

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 11.62 / 83
p0 76.66 ± 0.7788
pull
Entries 84
Mean 432.4
Std Dev 383.7

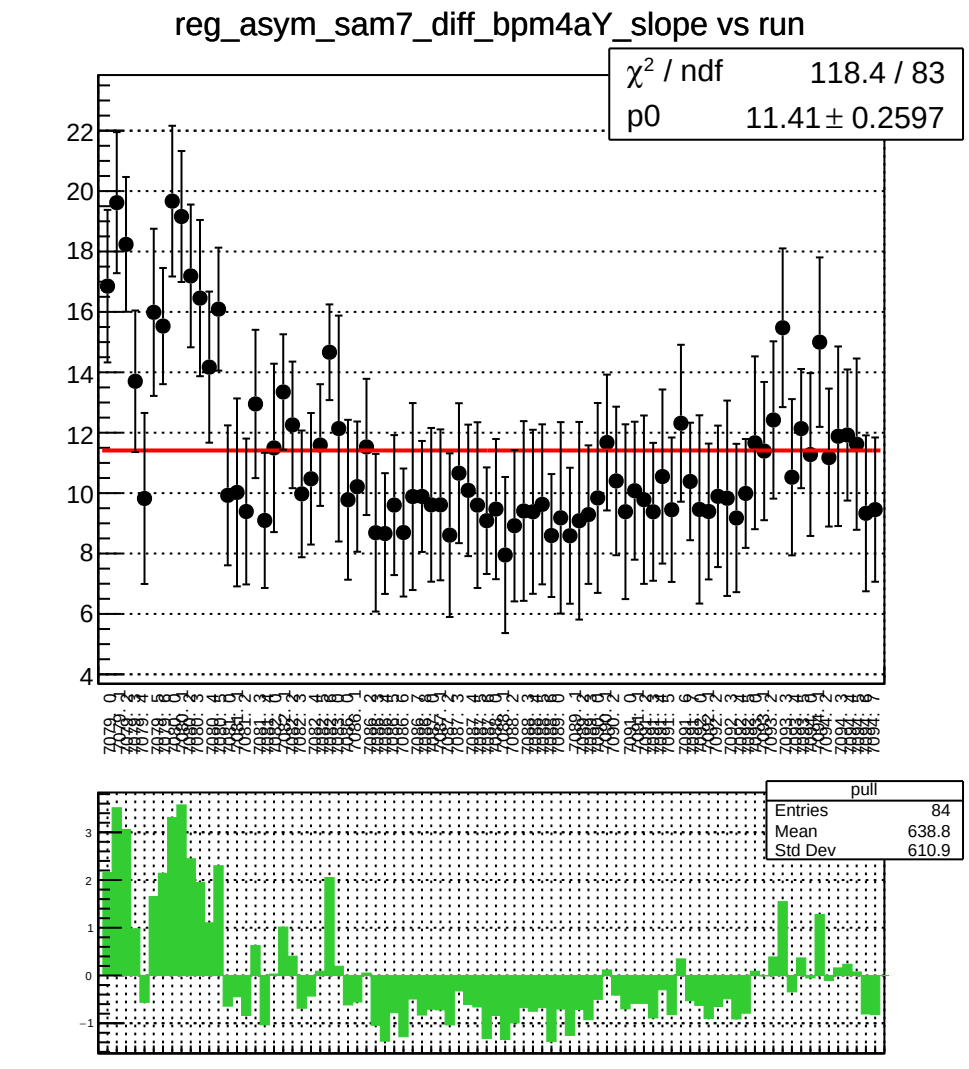

pull1D
Entries 84
Mean −0.006847
Std Dev 0.3719

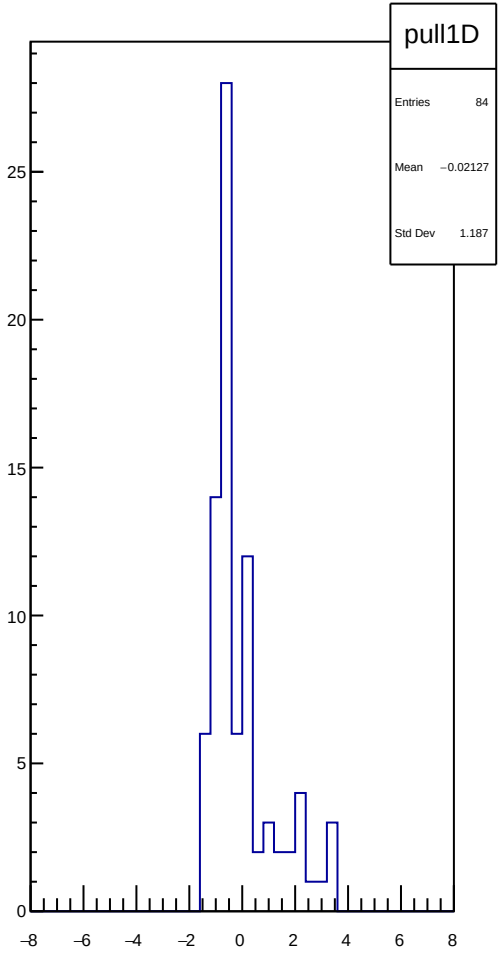

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 10.66 / 83
p0 −0.3267 ± 0.03716
pull
Entries 84
Mean 378.1
Std Dev 276.9

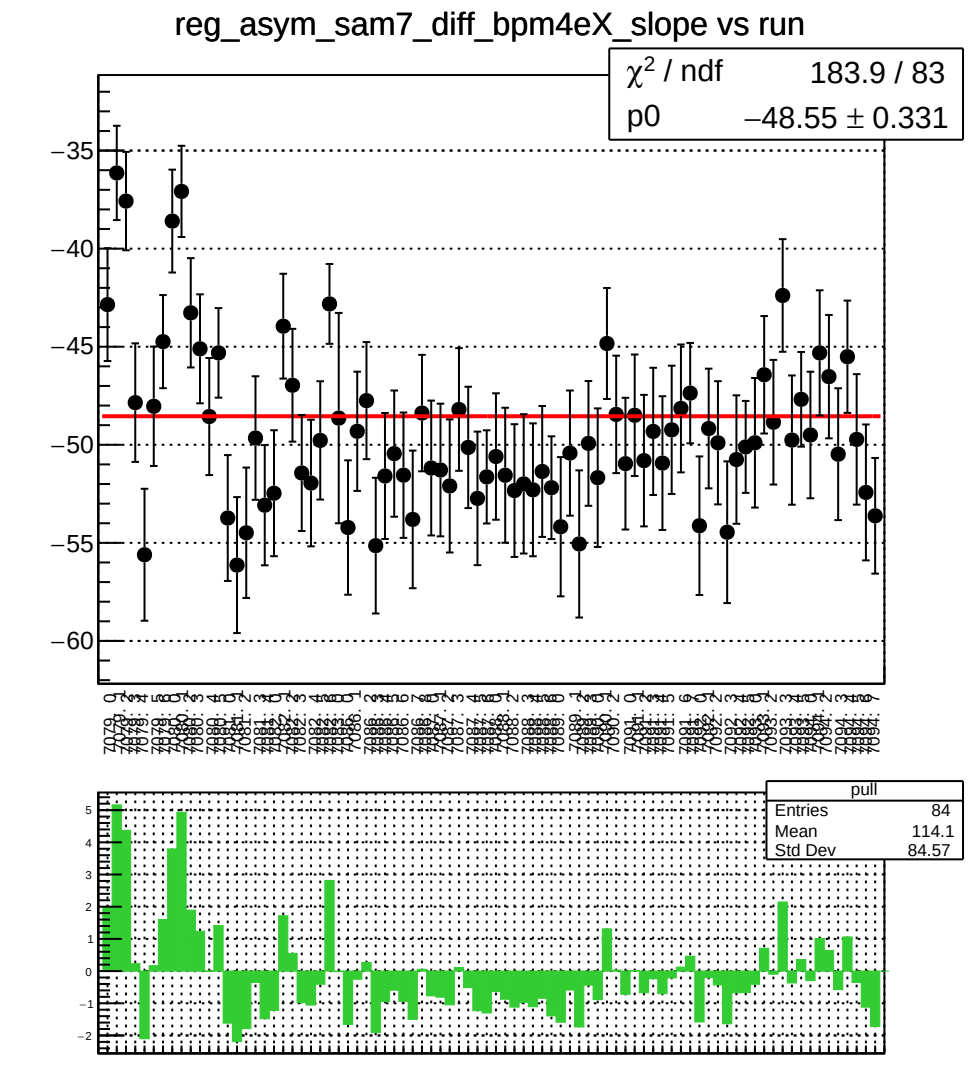

pull1D
Entries 84
Mean −0.001873
Std Dev 0.3562

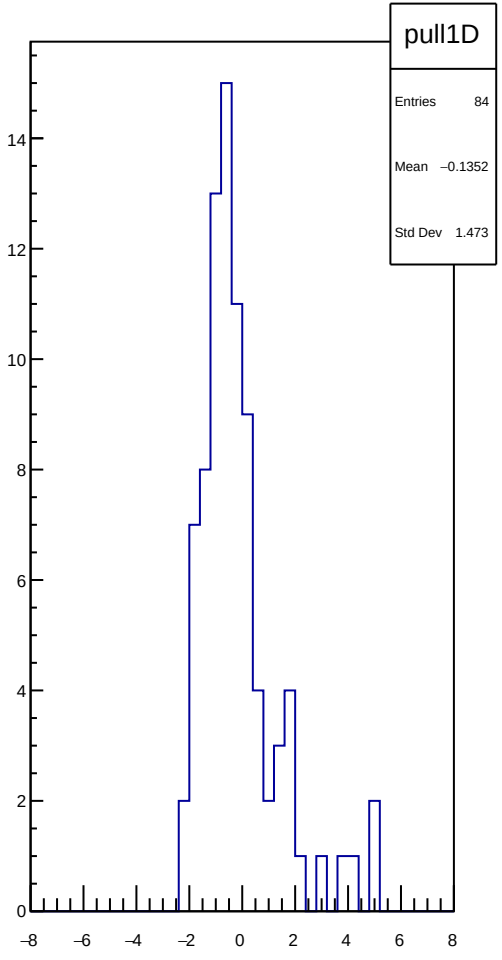

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 214.1 / 83
p0 10.07 ± 0.3431
pull
Entries 84
Mean 128
Std Dev 97.75

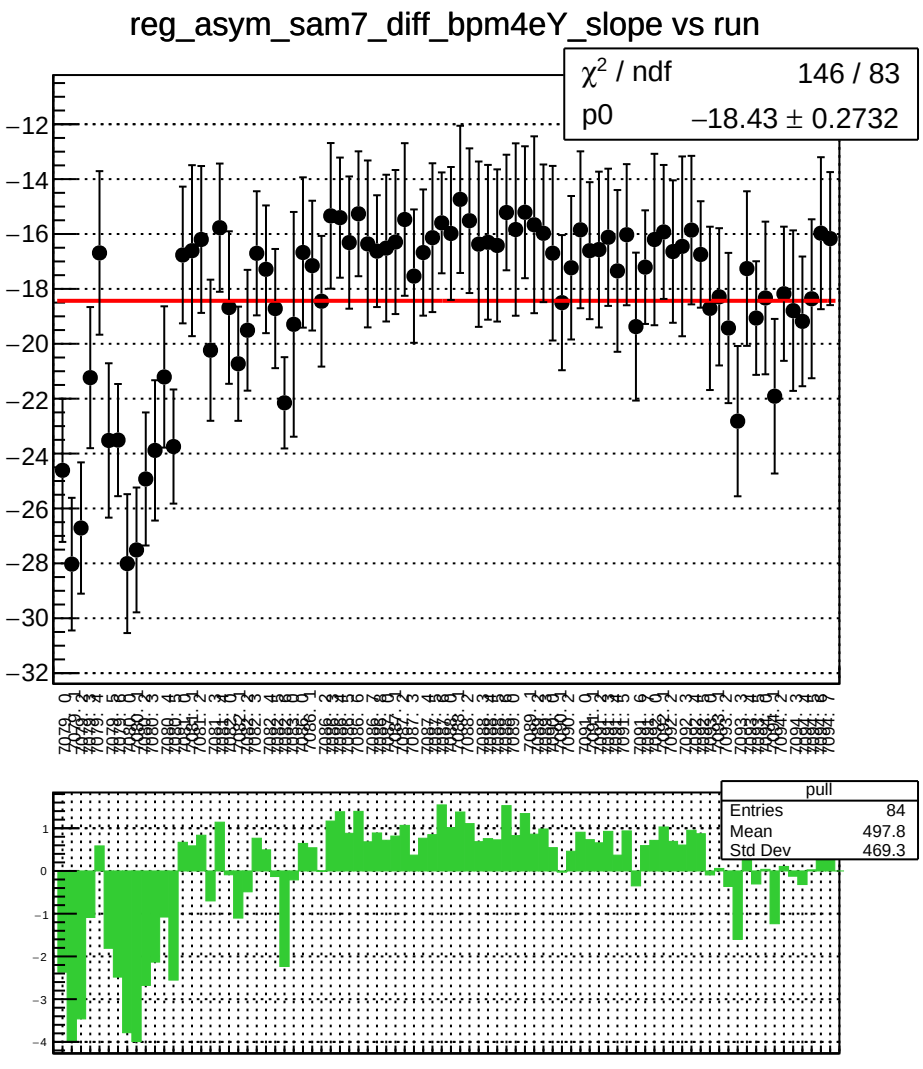

pull1D
Entries 84
Mean 0.1394
Std Dev 1.59

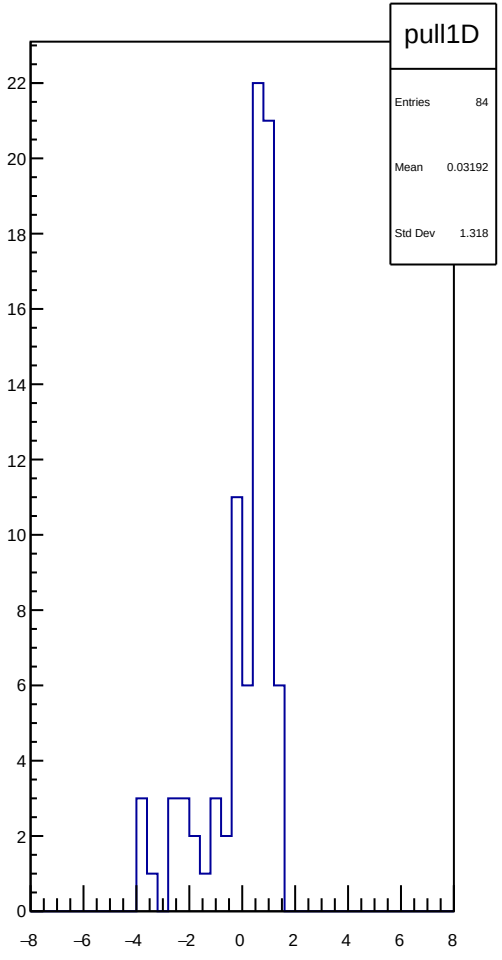

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 118.4 / 83
p0 11.41 ± 0.2597
pull
Entries 84
Mean 638.8
Std Dev 610.9

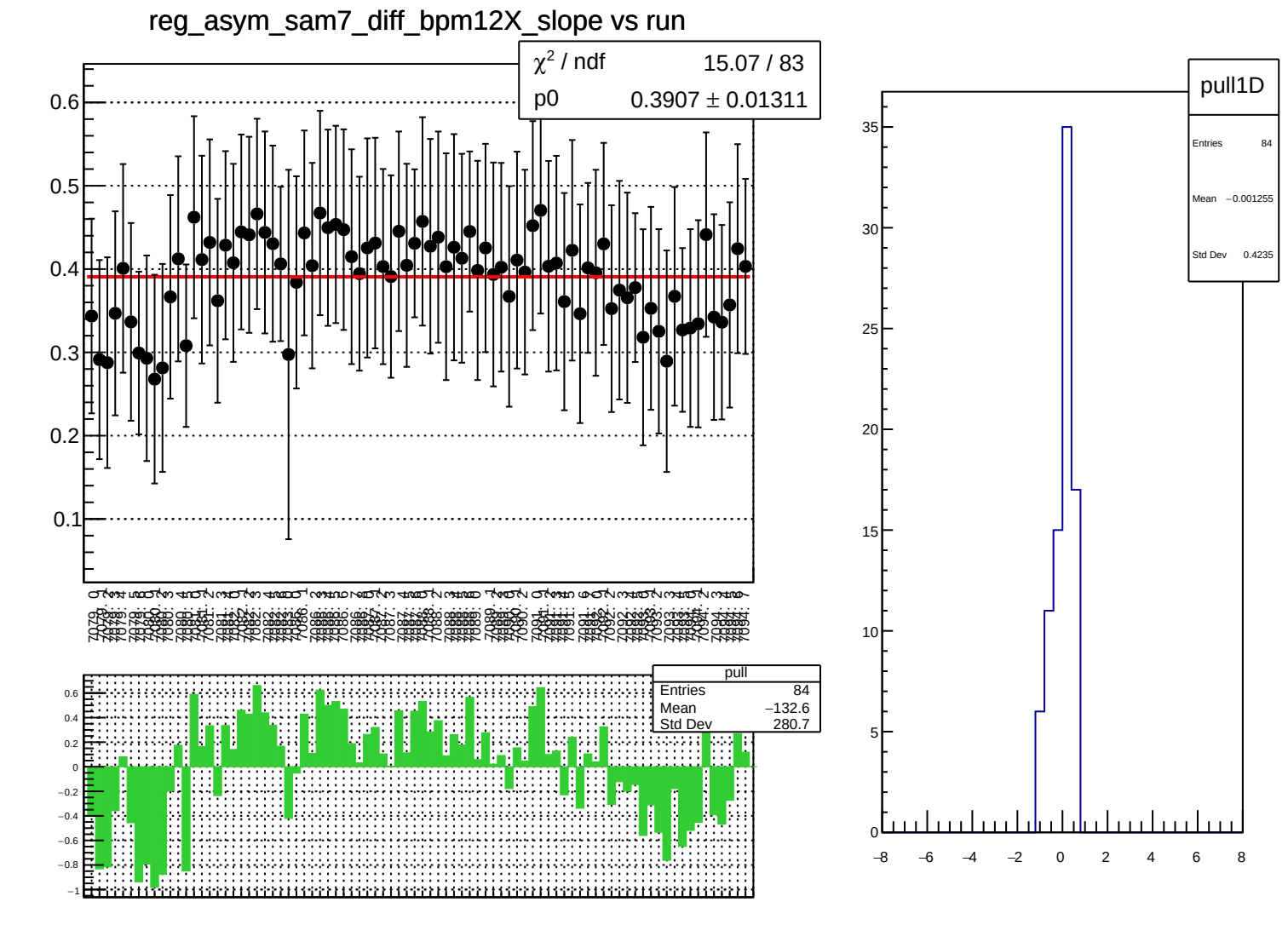

pull1D
Entries 84
Mean −0.02127
Std Dev 1.187

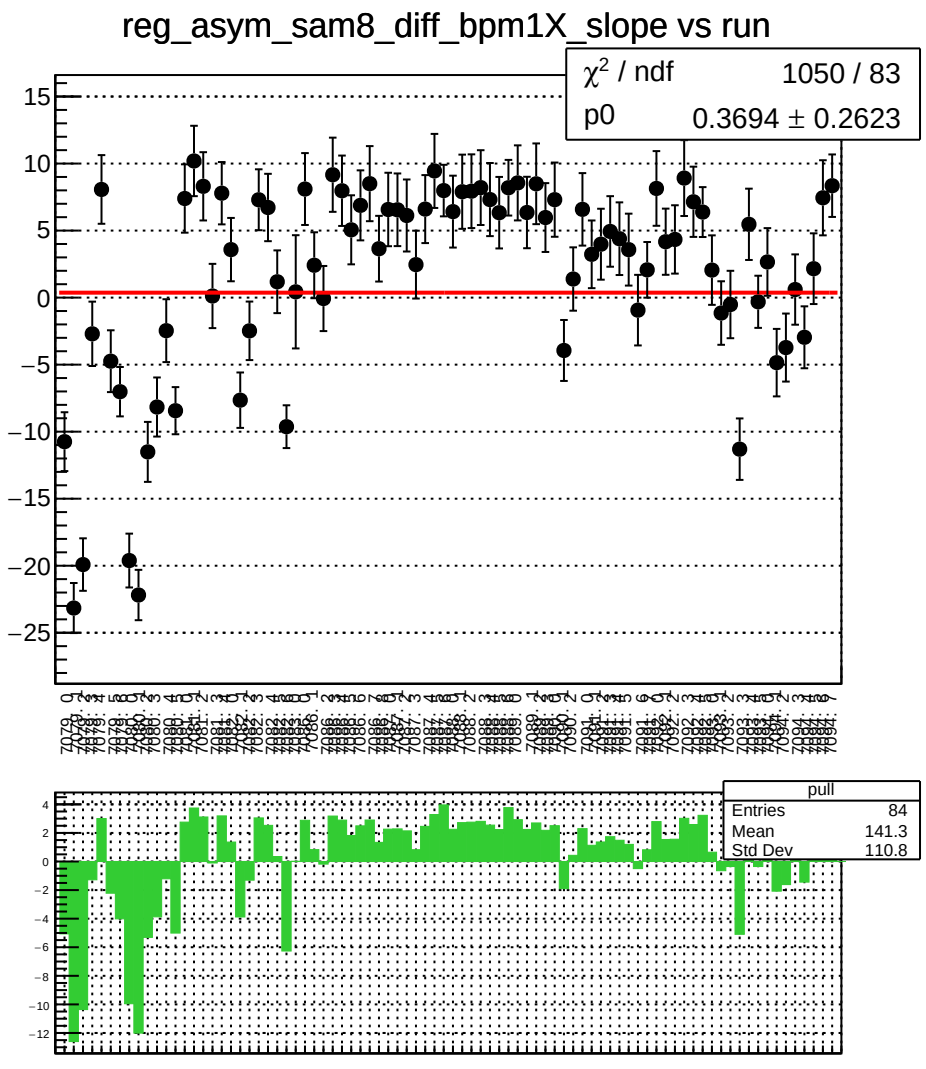

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 183.9 / 83
p0 −48.55 ± 0.331
pull
Entries 84
Mean 114.1
Std Dev 84.57

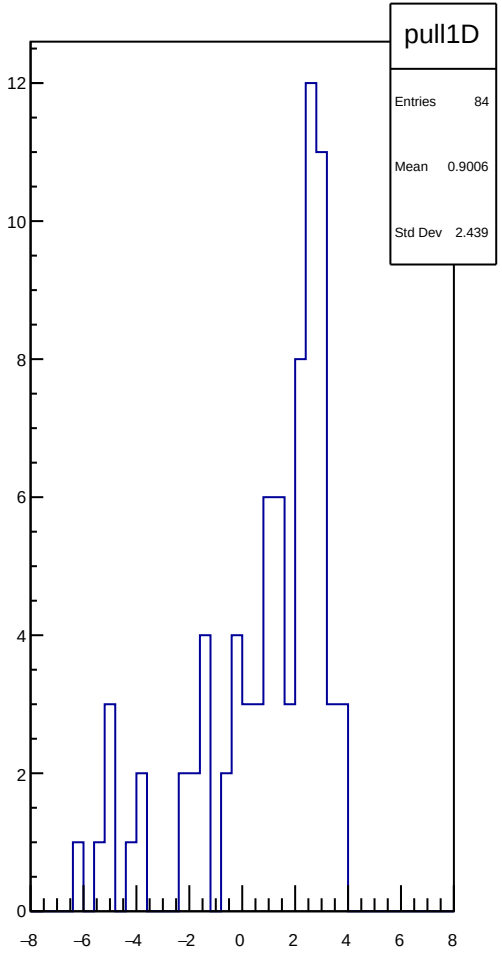

pull1D
Entries 84
Mean −0.1352
Std Dev 1.473

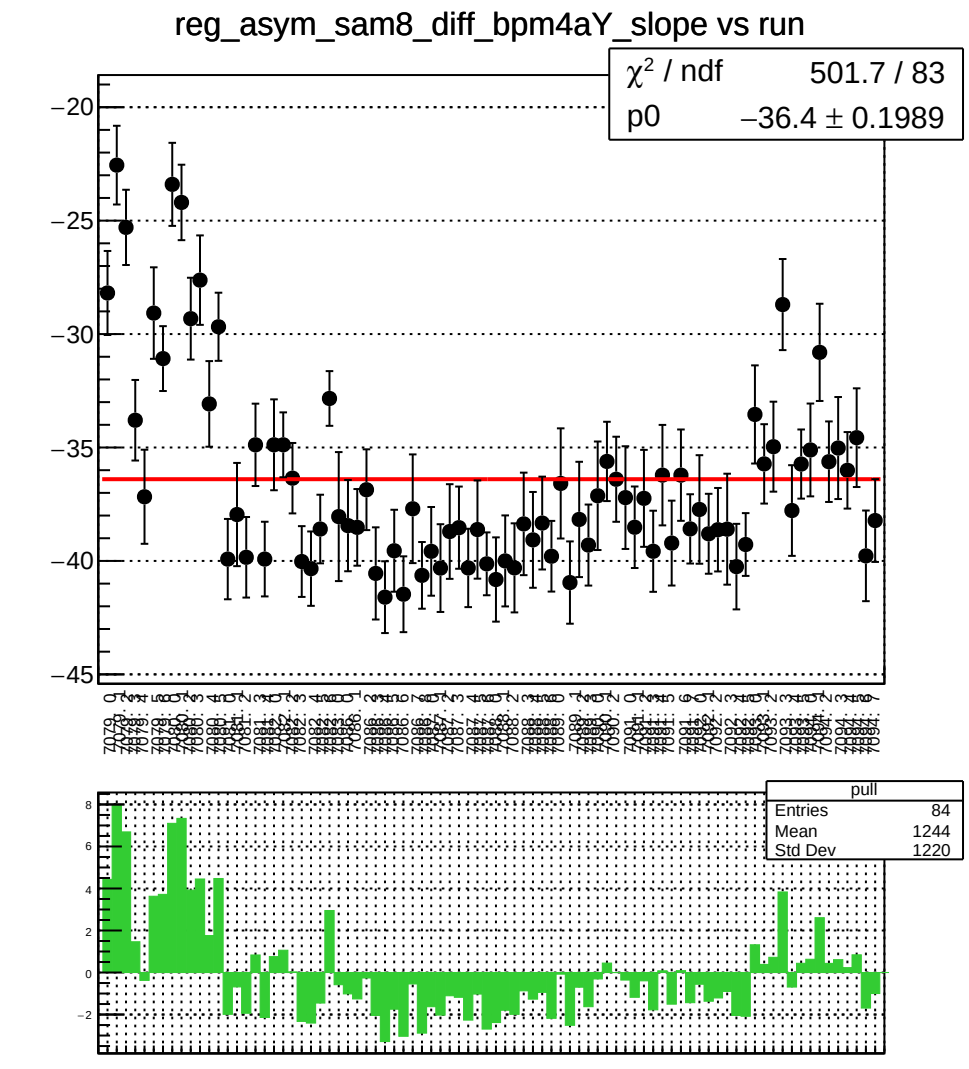

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 146 / 83
p0 −18.43 ± 0.2732
pull
Entries 84
Mean 497.8
Std Dev 469.3

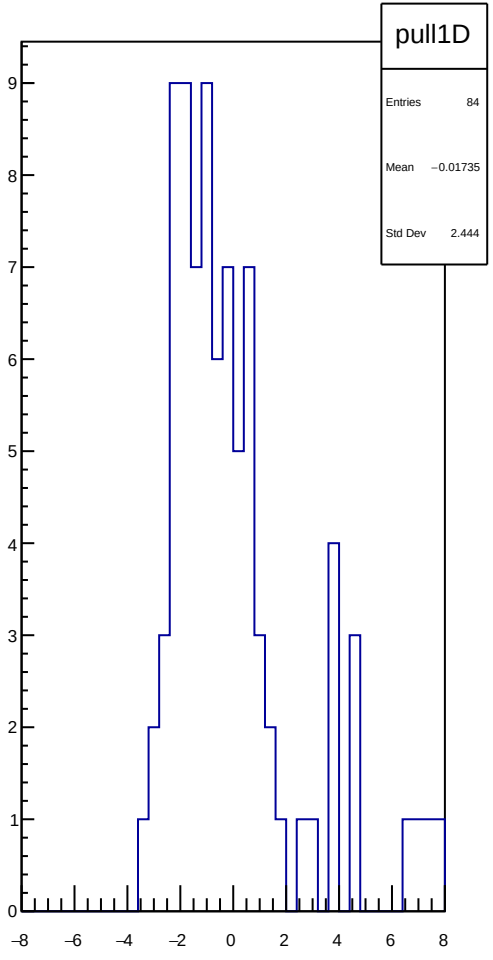

pull1D
Entries 84
Mean 0.03192
Std Dev 1.318

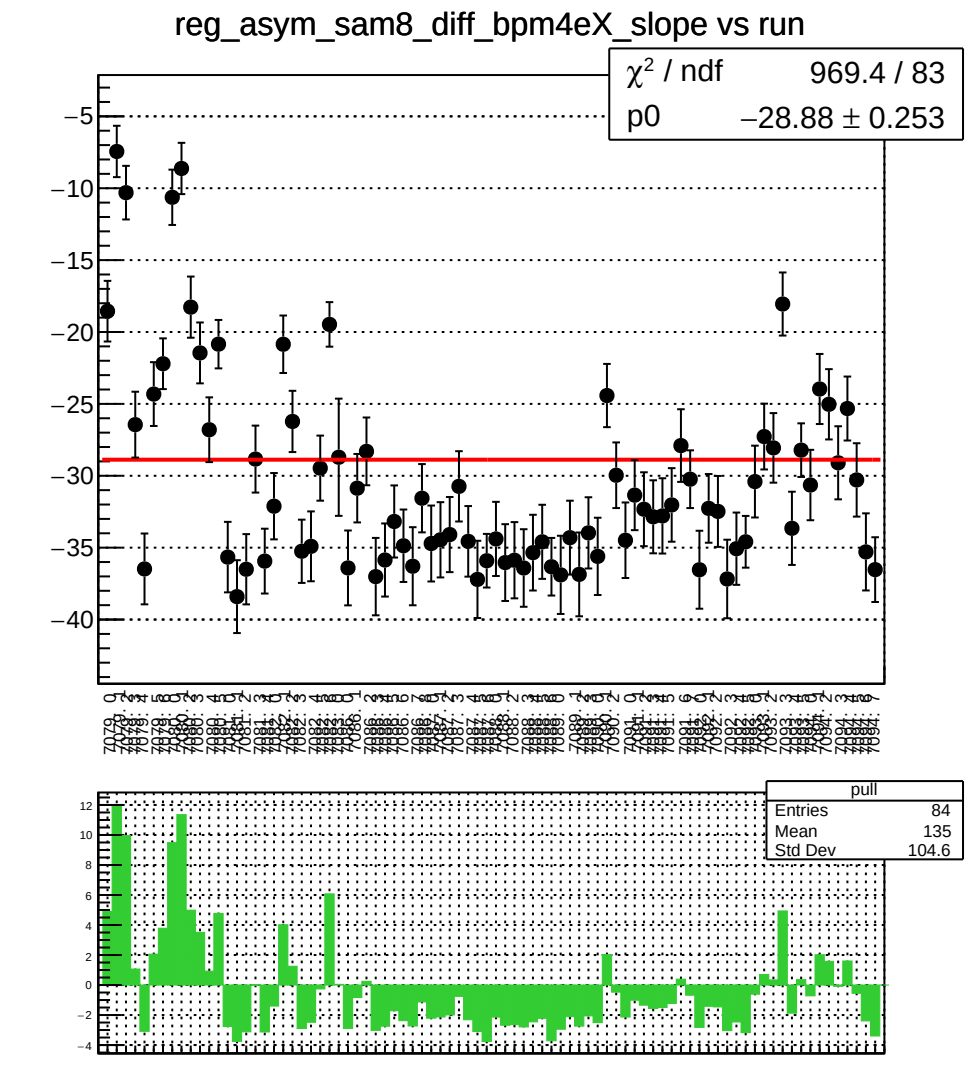

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 15.07 / 83
p0 0.3907 ± 0.01311
pull
Entries 84
Mean −132.6
Std Dev 280.7
pull1D
Entries 84
Mean −0.001255
Std Dev 0.4235

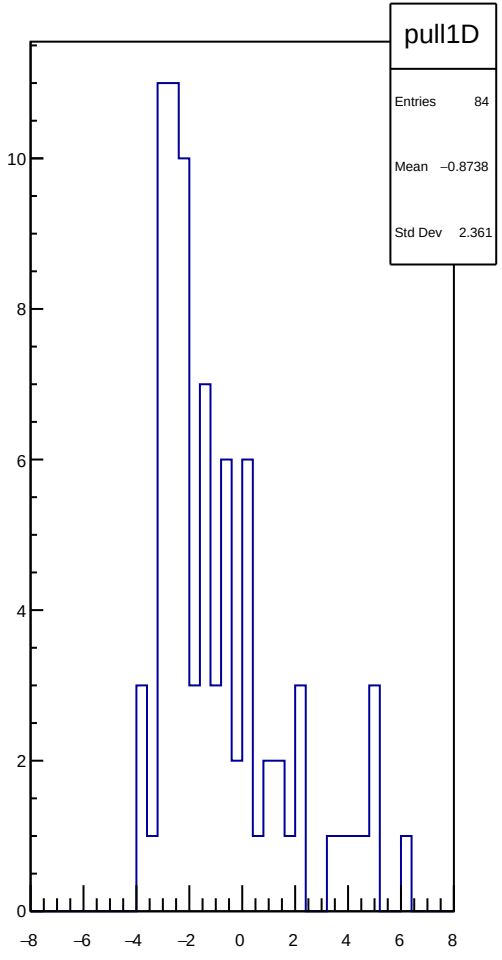

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 1050 / 83
p0 0.3694 ± 0.2623
pull
Entries 84
Mean 141.3
Std Dev 110.8

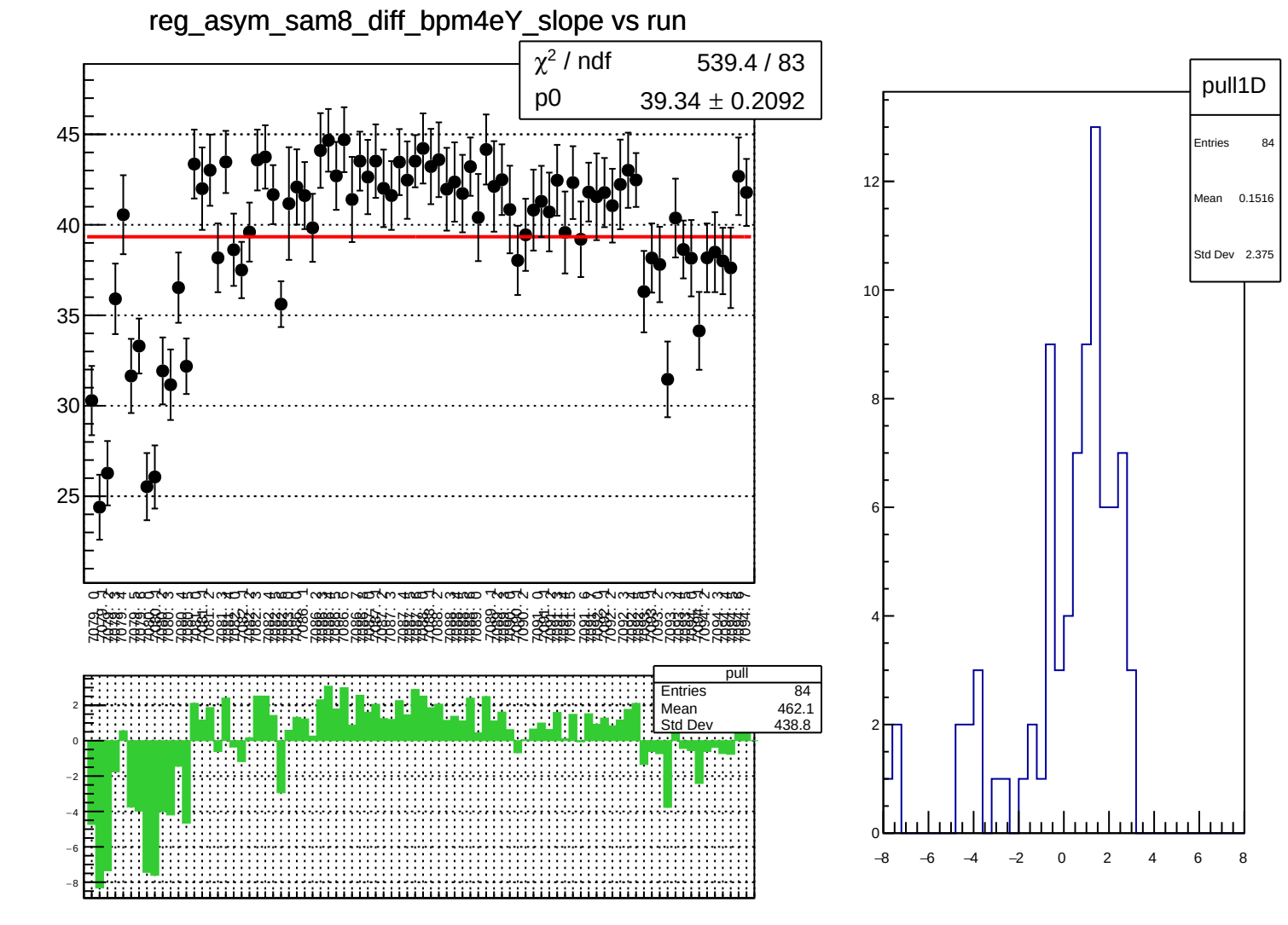

pull1D
Entries 84
Mean 0.9006
Std Dev 2.439

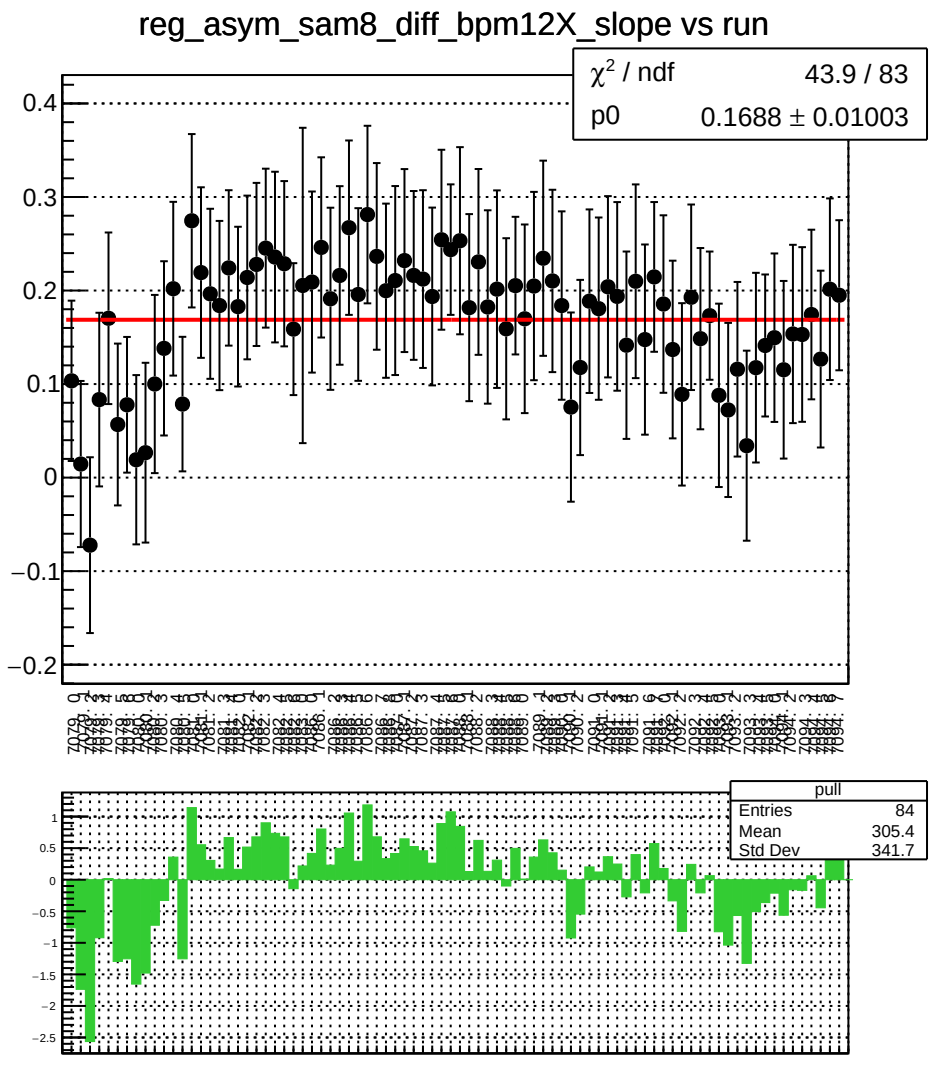

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 501.7 / 83
p0 −36.4 ± 0.1989
pull
Entries 84
Mean 1244
Std Dev 1220

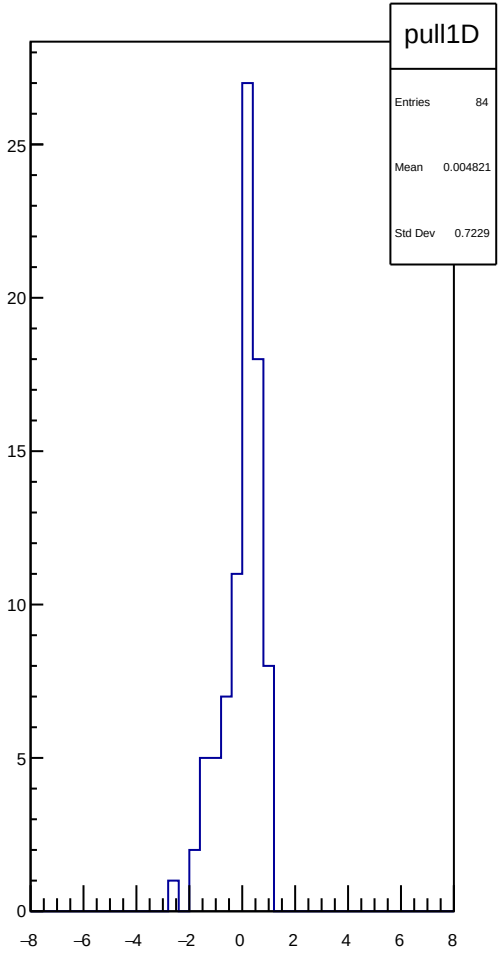

pull1D
Entries 84
Mean −0.01735
Std Dev 2.444

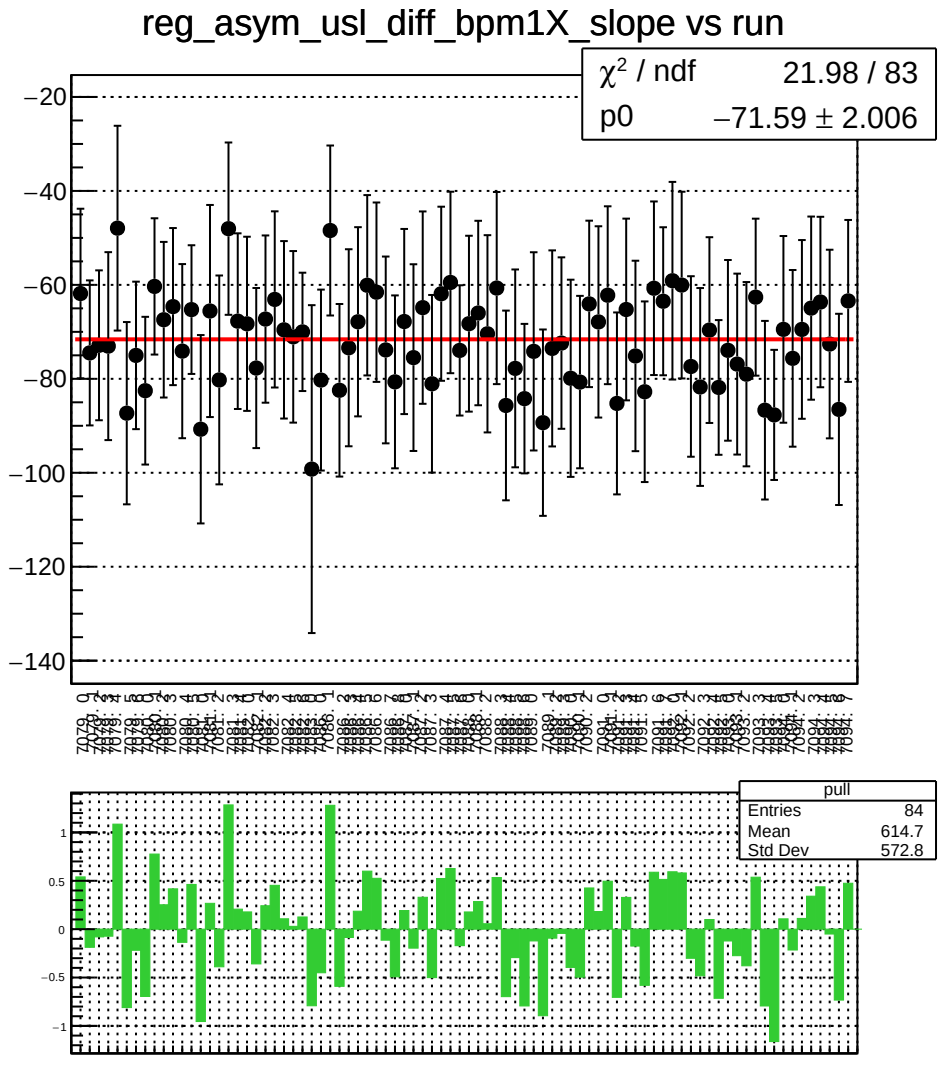

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 969.4 / 83
p0 −28.88 ± 0.253
pull
Entries 84
Mean 135
Std Dev 104.6

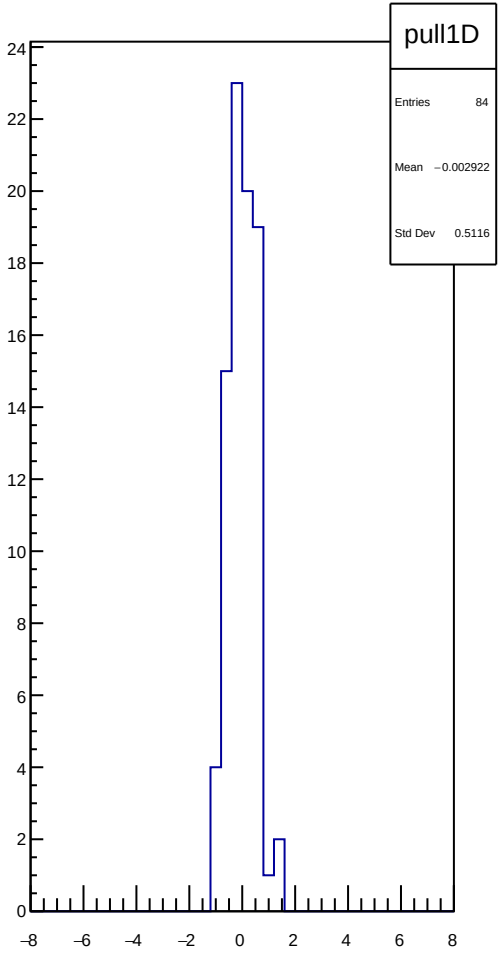

pull1D
Entries 84
Mean −0.8738
Std Dev 2.361

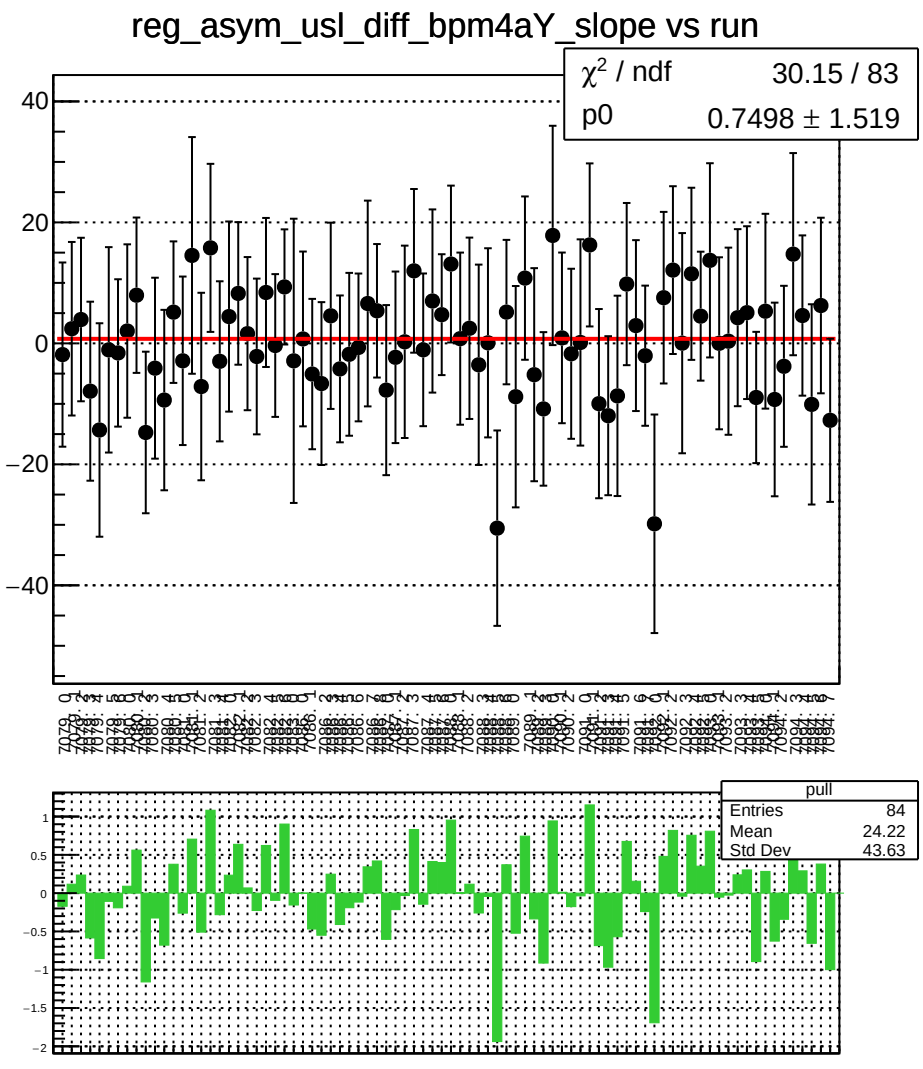

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 539.4 / 83
p0 39.34 ± 0.2092
45
40
35
30
25
pull
Entries 84
Mean 462.1
Std Dev 438.8
2
0
−2
−4
−6
−8
pull1D
Entries 84
Mean 0.1516
Std Dev 2.375
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

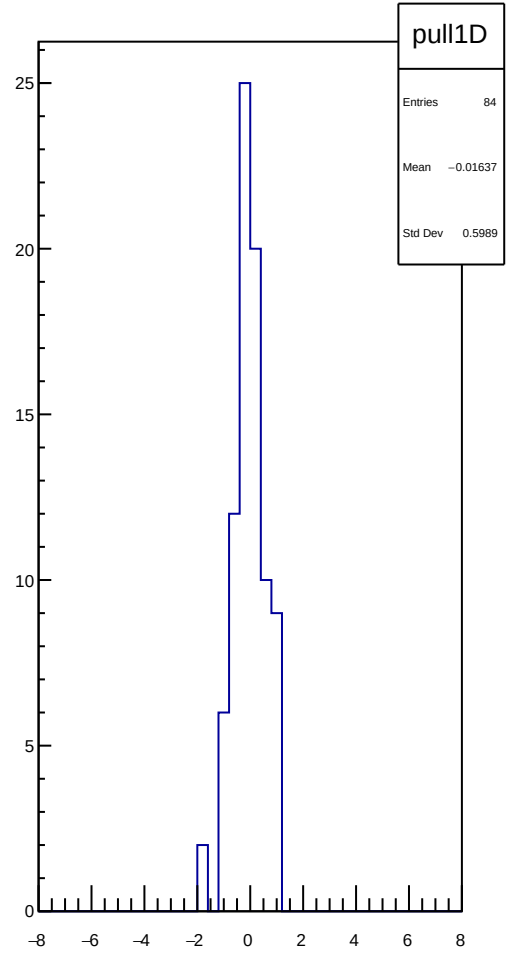

reg_asym_sam8_diff_bpm12X_slope vs run
χ^2 / ndf 43.9 / 83
p0 0.1688 ± 0.01003
pull
Entries 84
Mean 305.4
Std Dev 341.7

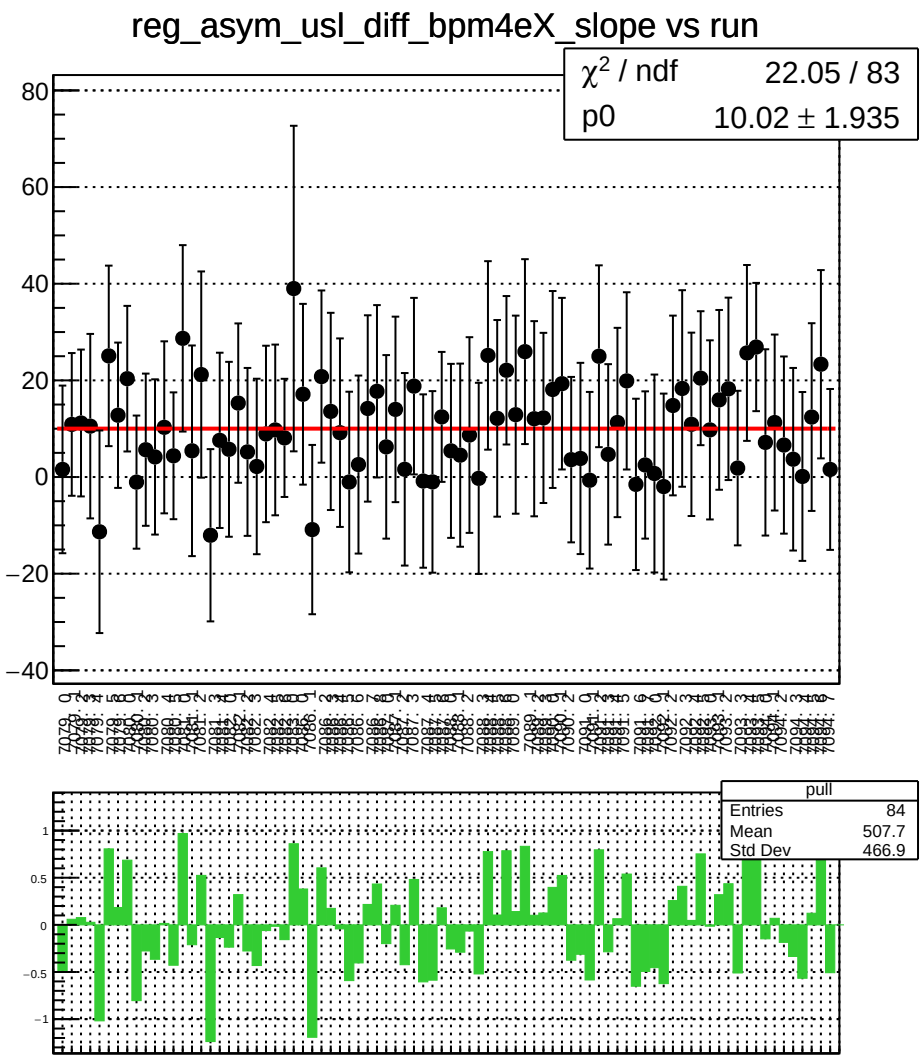

pull1D
Entries 84
Mean 0.004821
Std Dev 0.7229

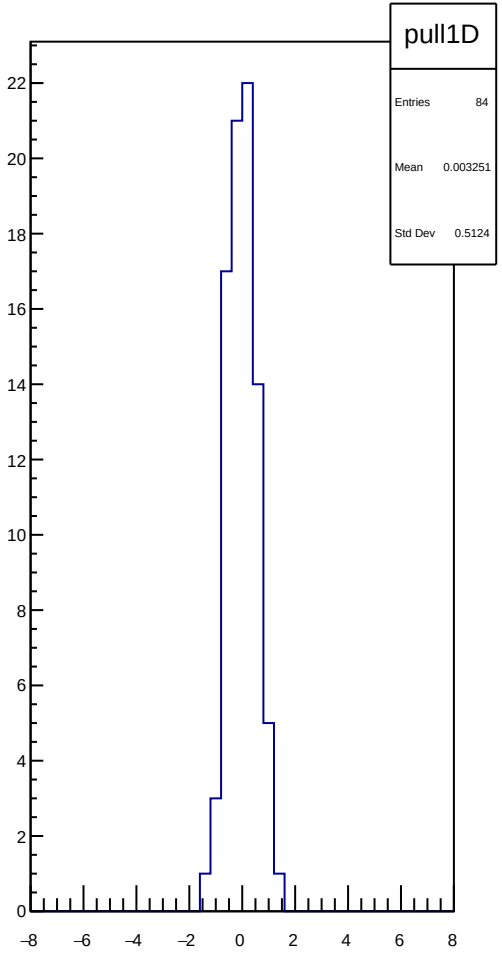

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 21.98 / 83
p0 −71.59 ± 2.006
pull
Entries 84
Mean 614.7
Std Dev 572.8

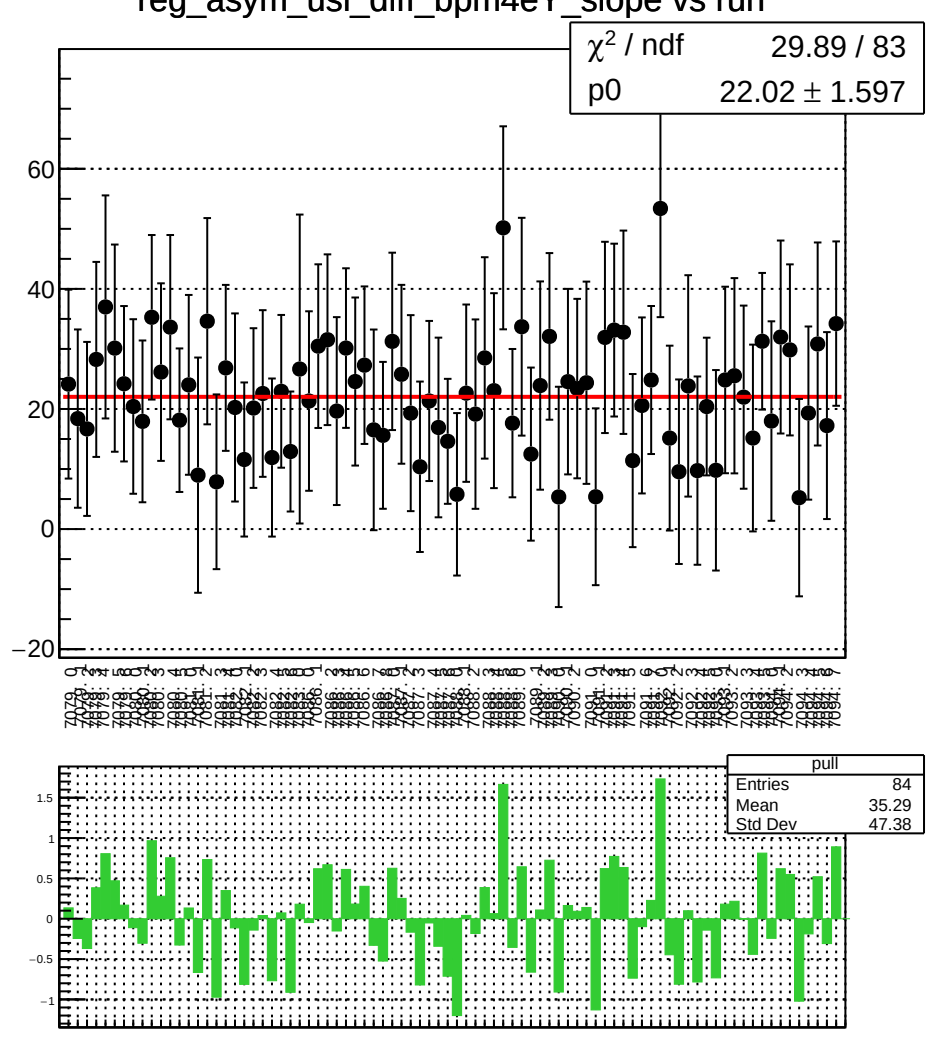

pull1D
Entries 84
Mean −0.002922
Std Dev 0.5116

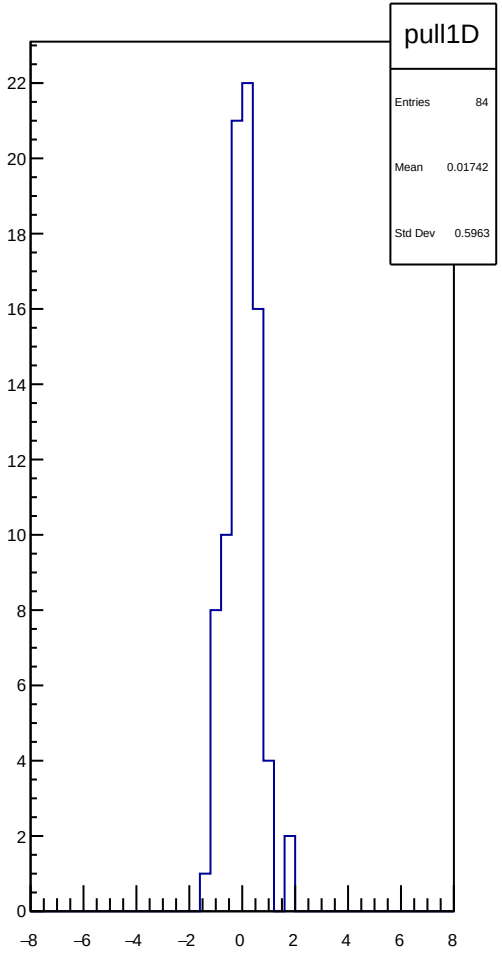

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 30.15 / 83
p0 0.7498 ± 1.519
pull
Entries 84
Mean 24.22
Std Dev 43.63

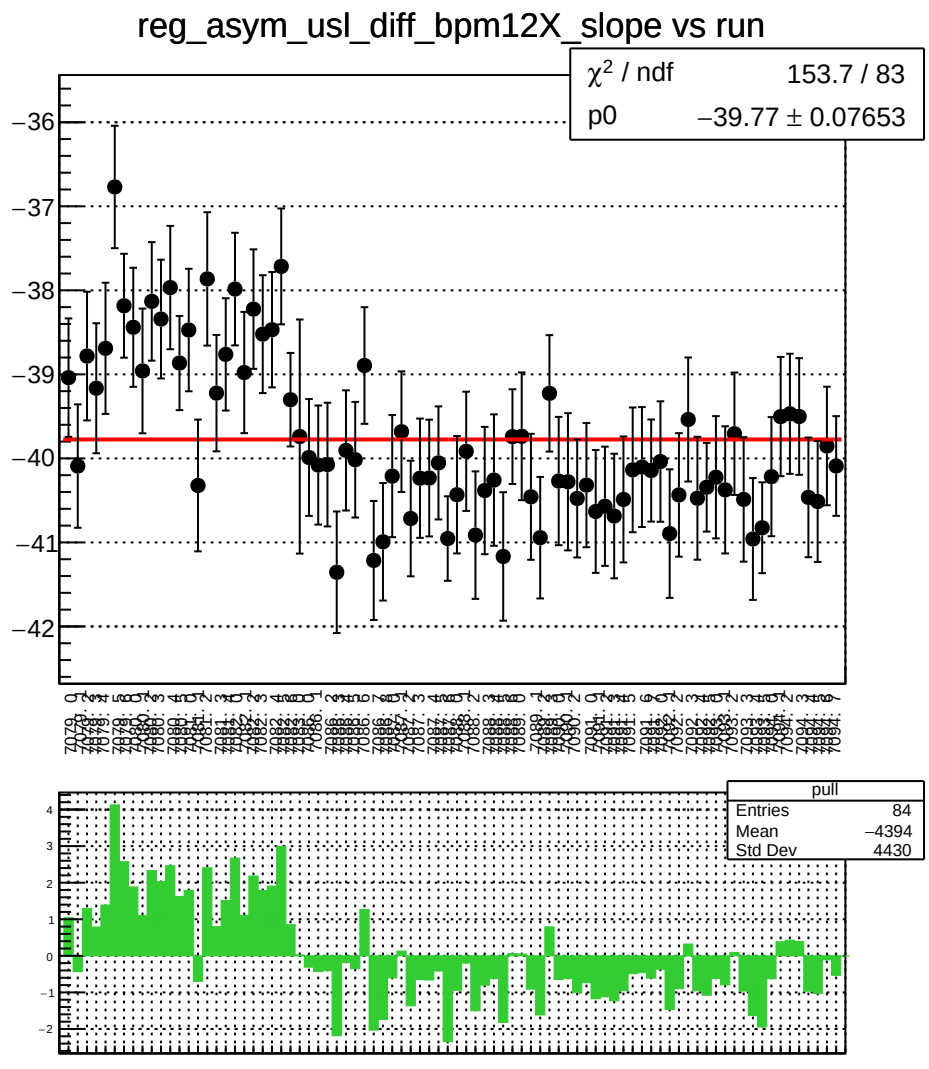

pull1D
Entries 84
Mean −0.01637
Std Dev 0.5989

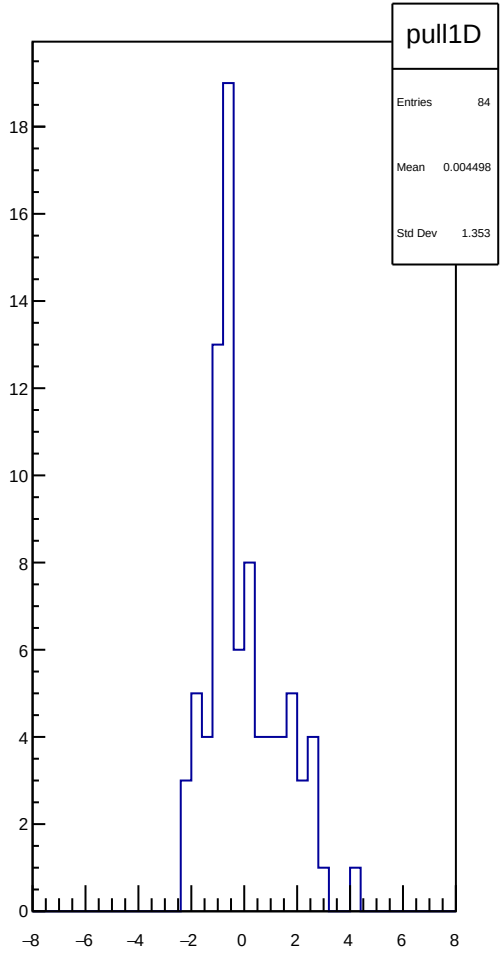

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 22.05 / 83
p0 10.02 ± 1.935
pull
Entries 84
Mean 507.7
Std Dev 466.9

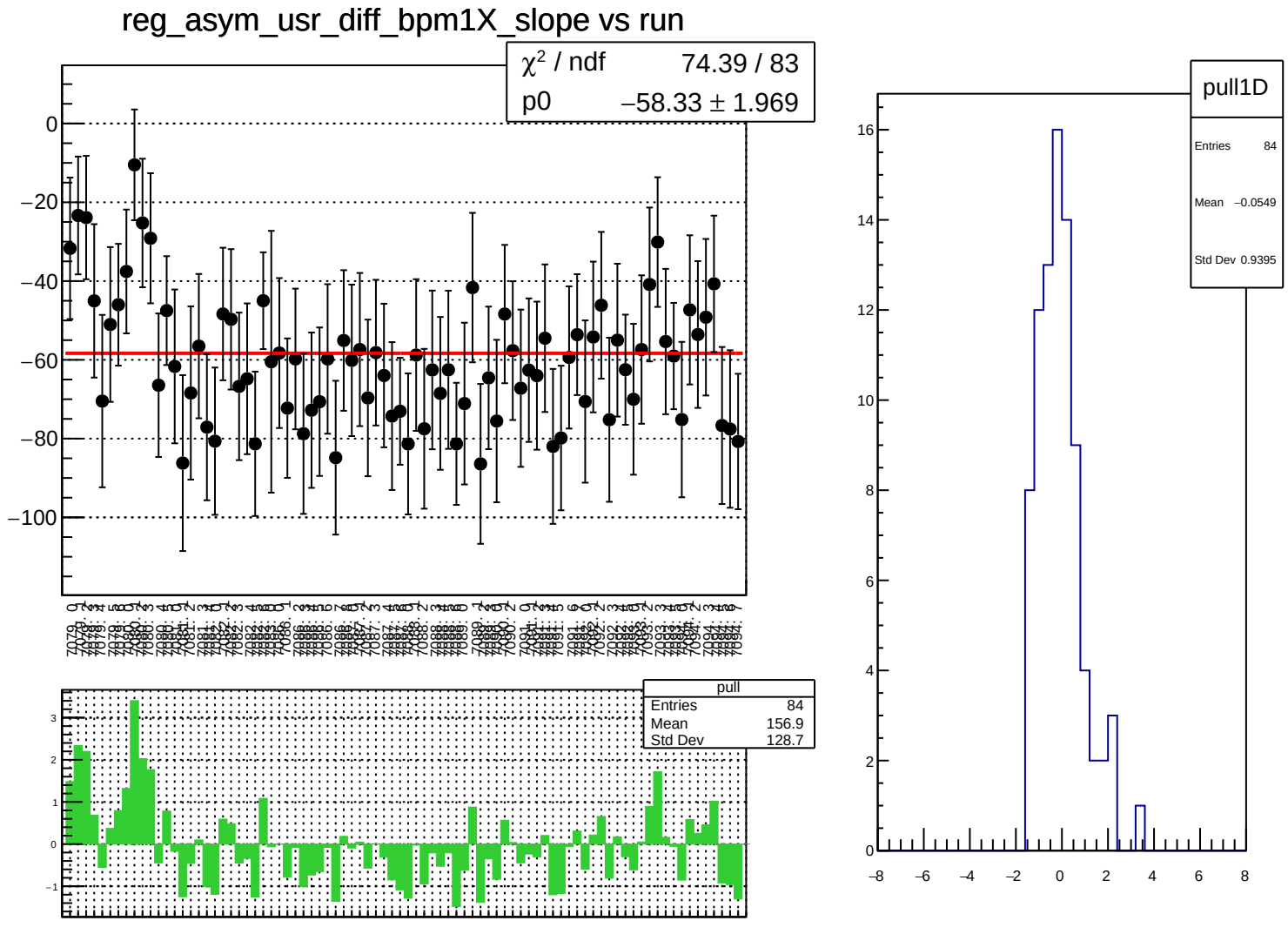

pull1D
Entries 84
Mean 0.003251
Std Dev 0.5124

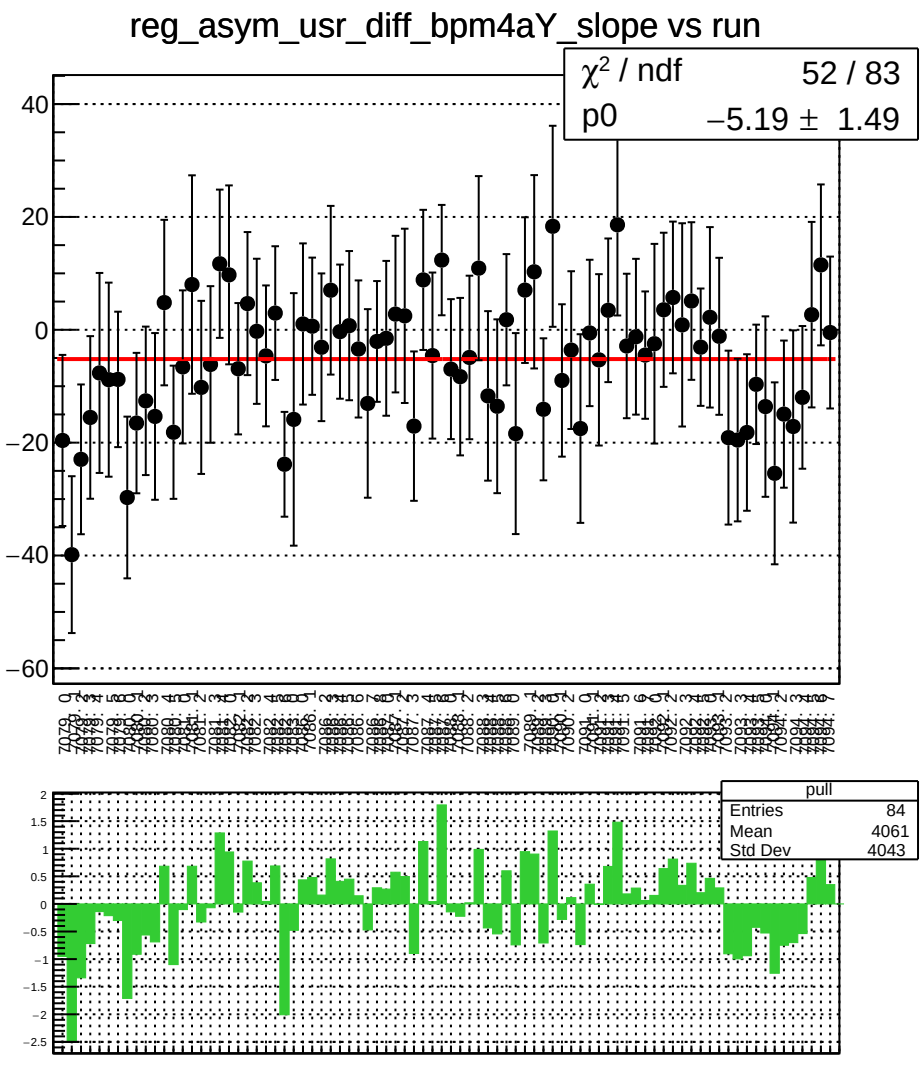

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 29.89 / 83
p0 22.02 ± 1.597
pull
Entries 84
Mean 35.29
Std Dev 47.38

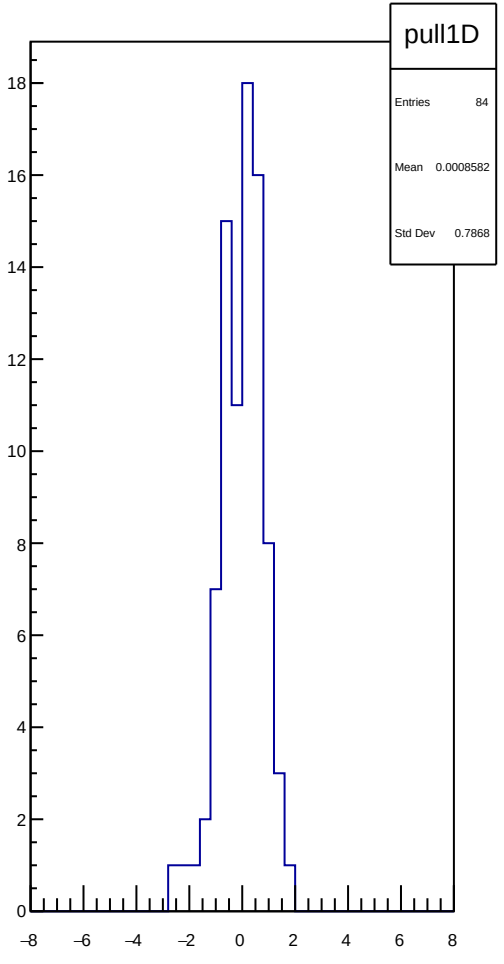

pull1D
Entries 84
Mean 0.01742
Std Dev 0.5963

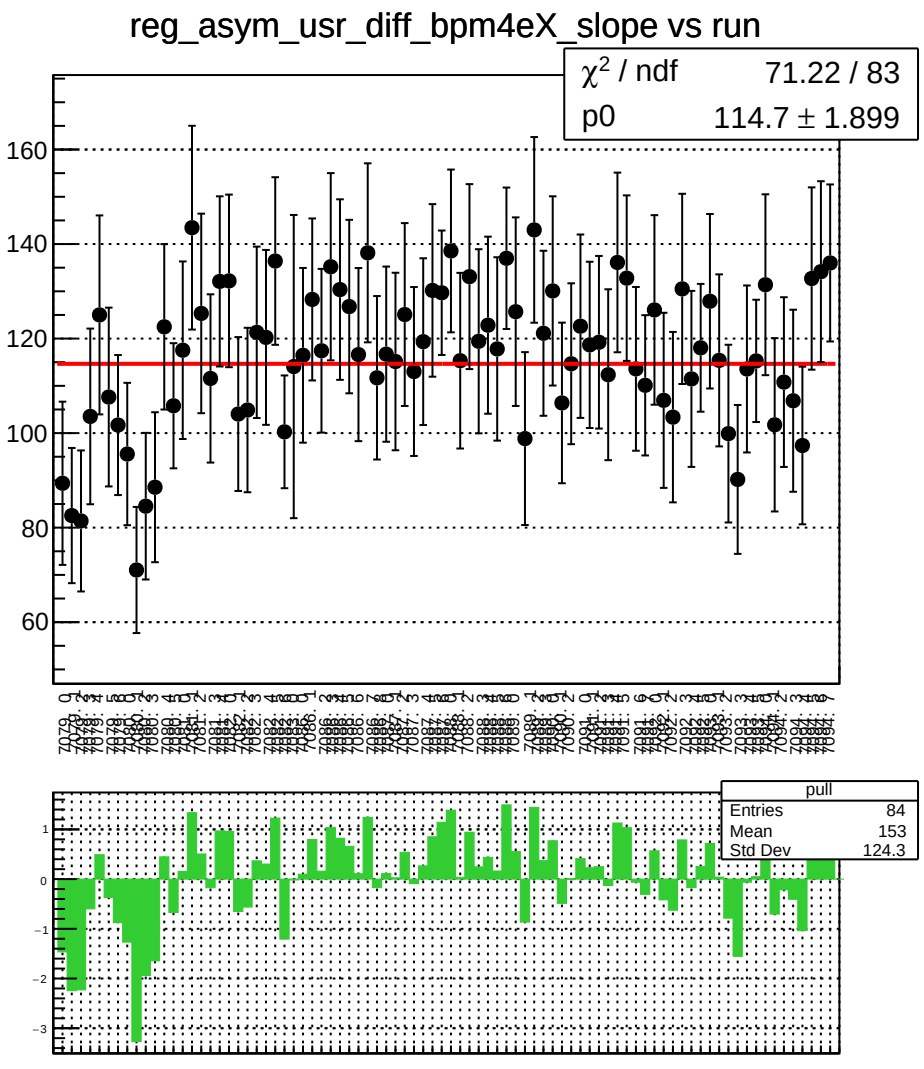

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 153.7 / 83
p0 −39.77 ± 0.07653
−36
−37
−38
−39
−40
−41
−42
pull
Entries 84
Mean −4394
Std Dev 4430
4
3
2
1
0
−1
−2

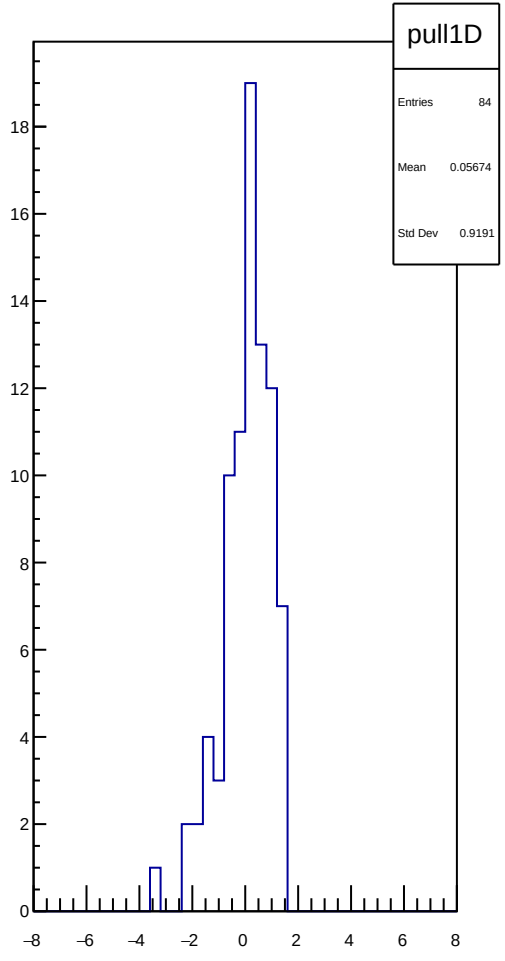

pull1D
Entries 84
Mean 0.004498
Std Dev 1.353
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

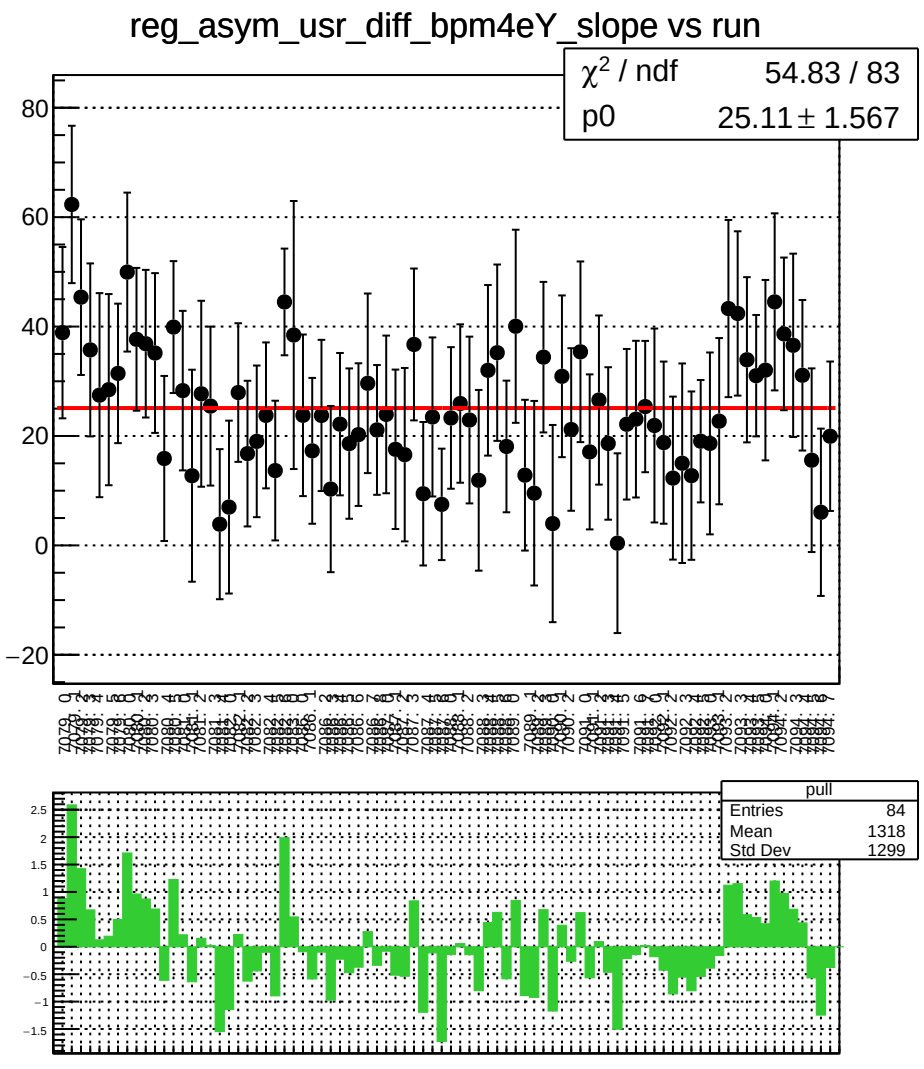

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 74.39 / 83
p0 −58.33 ± 1.969
pull
Entries 84
Mean 156.9
Std Dev 128.7
pull1D
Entries 84
Mean −0.0549
Std Dev 0.9395

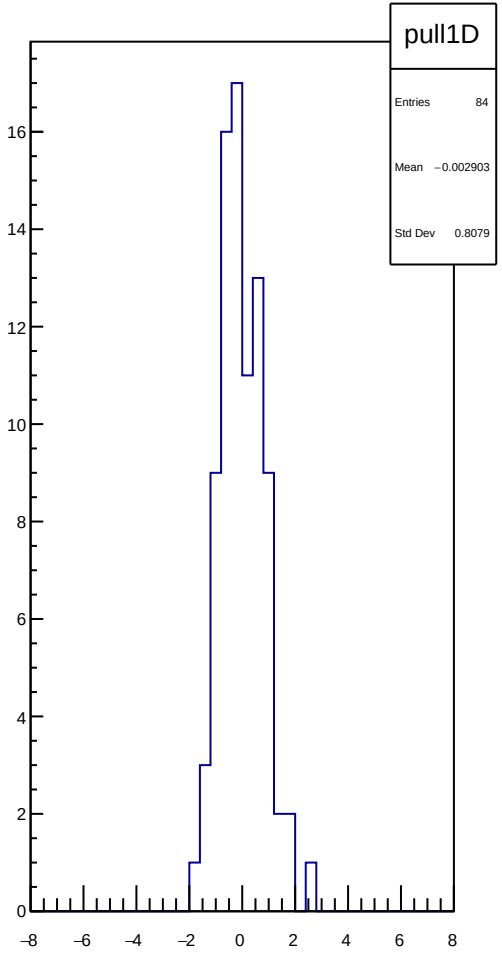

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 52 / 83
p0 −5.19 ± 1.49
pull
Entries 84
Mean 4061
Std Dev 4043

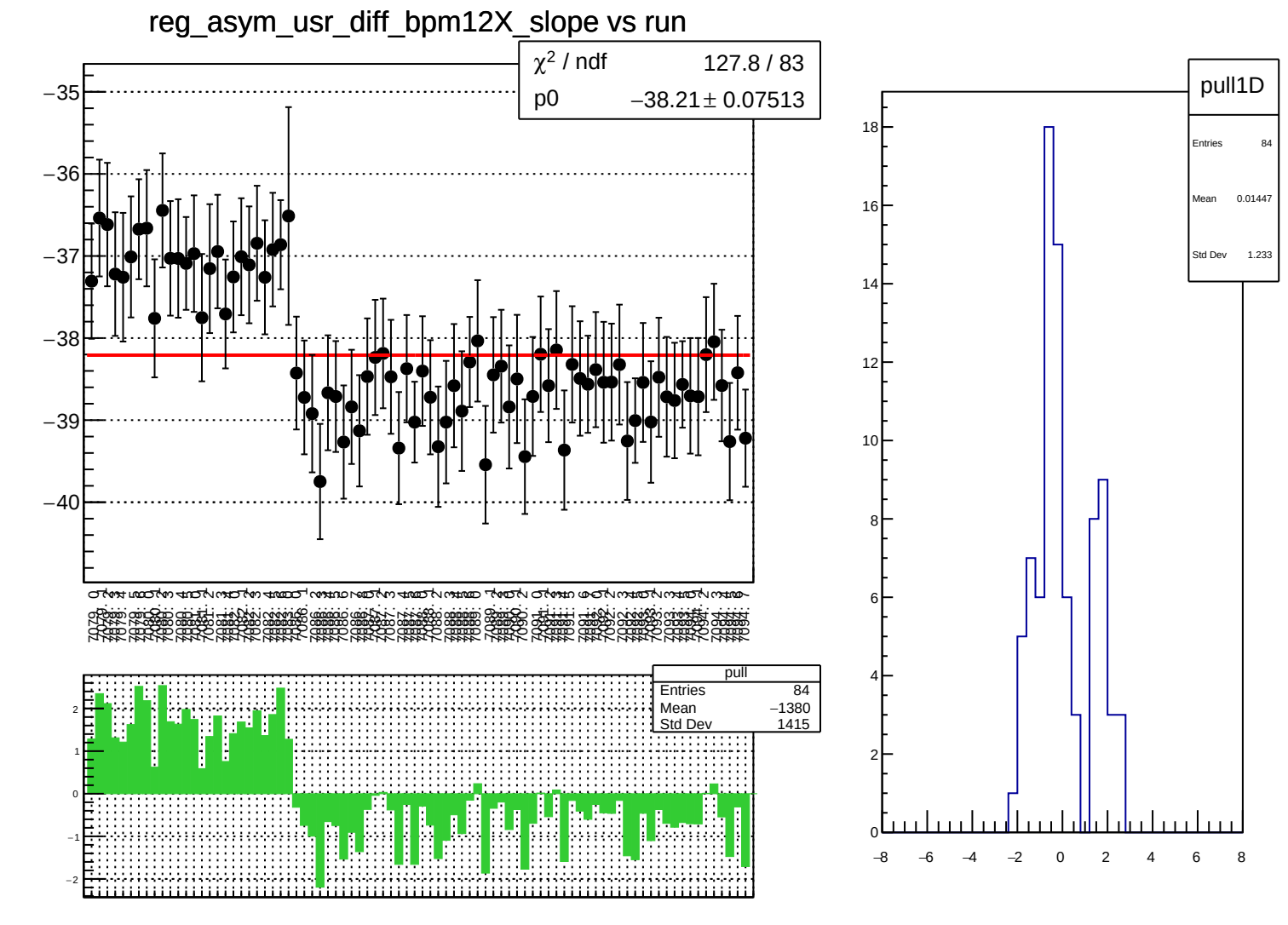

pull1D
Entries 84
Mean 0.0008582
Std Dev 0.7868

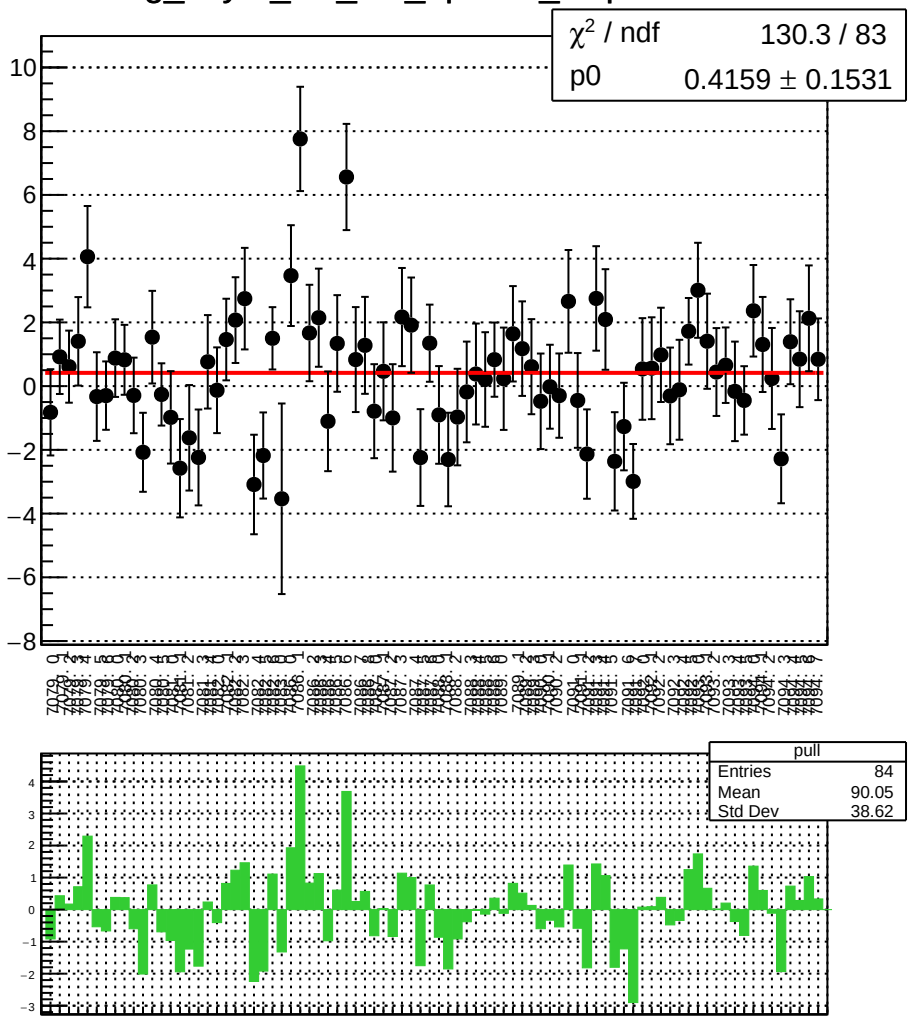

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 71.22 / 83
p0 114.7 ± 1.899
160
140
120
100
80
60
pull
Entries 84
Mean 153
Std Dev 124.3
1
0
−1
−2
−3

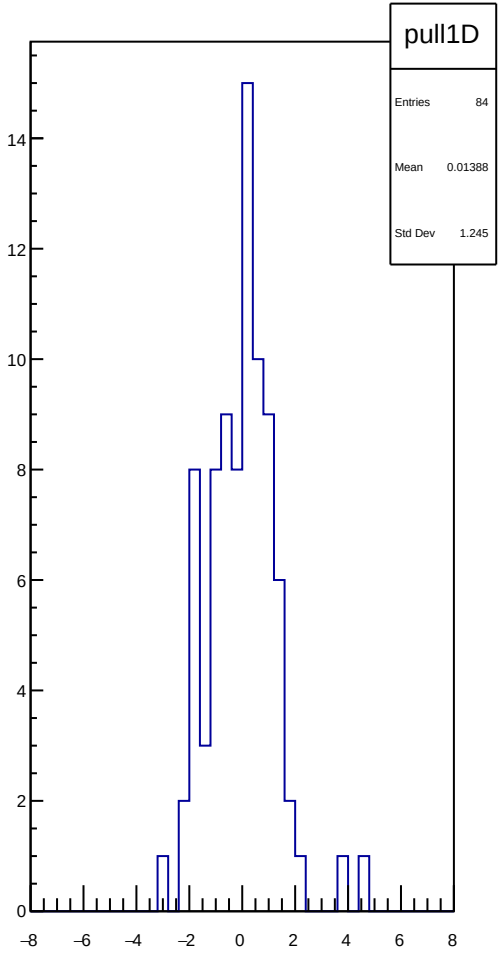

pull1D
Entries 84
Mean 0.05674
Std Dev 0.9191
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

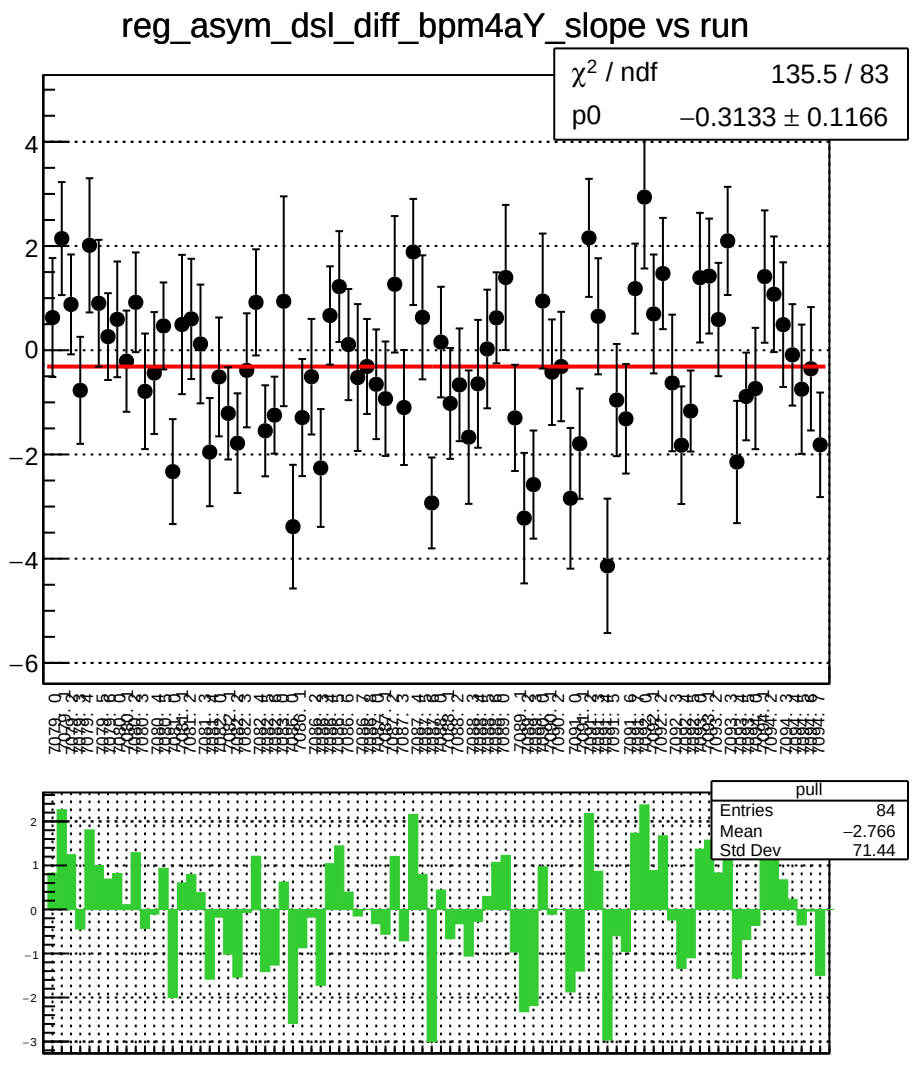

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 54.83 / 83
p0 25.11 ± 1.567
pull
Entries 84
Mean 1318
Std Dev 1299

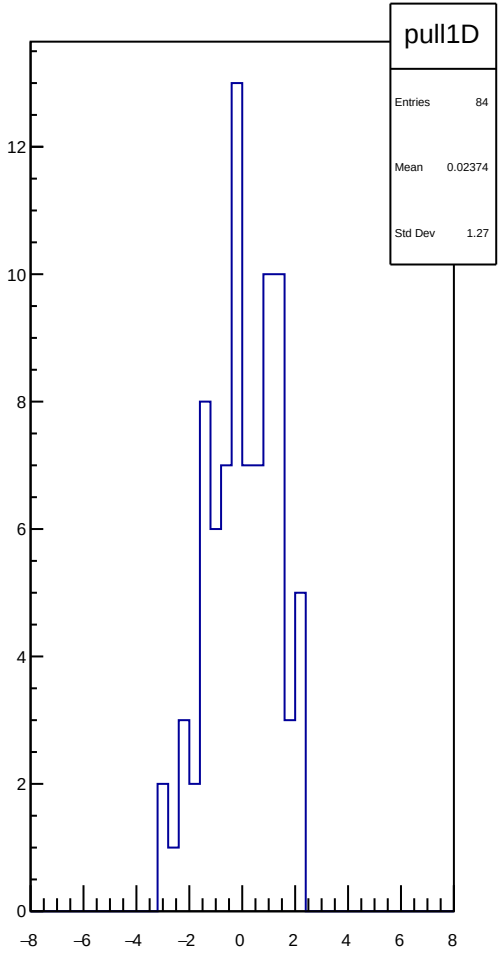

pull1D
Entries 84
Mean −0.002903
Std Dev 0.8079

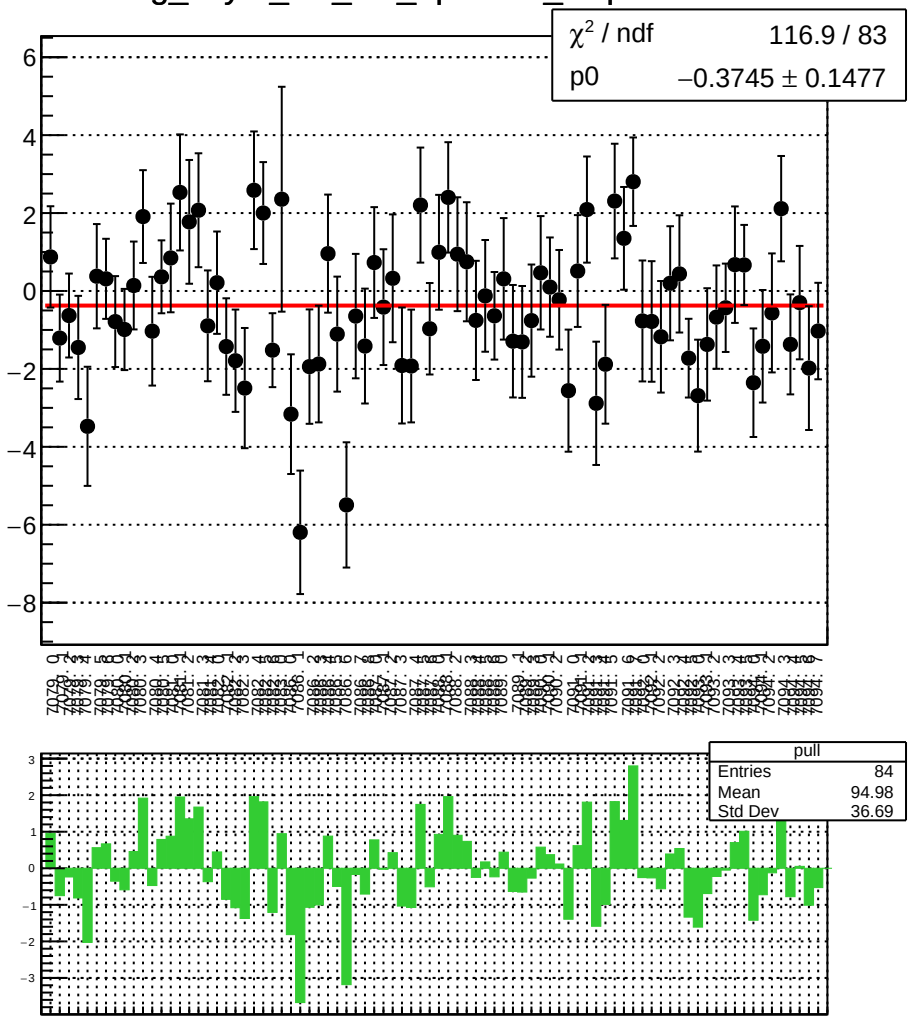

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 127.8 / 83
p0 −38.21 ± 0.07513
pull
Entries 84
Mean −1380
Std Dev 1415
pull1D
Entries 84
Mean 0.01447
Std Dev 1.233

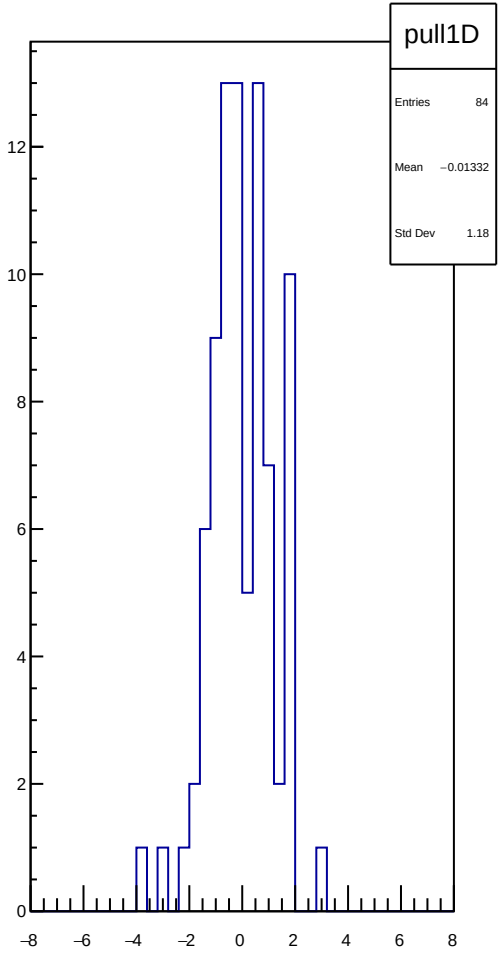

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 130.3 / 83
p0 0.4159 ± 0.1531
pull
Entries 84
Mean 90.05
Std Dev 38.62

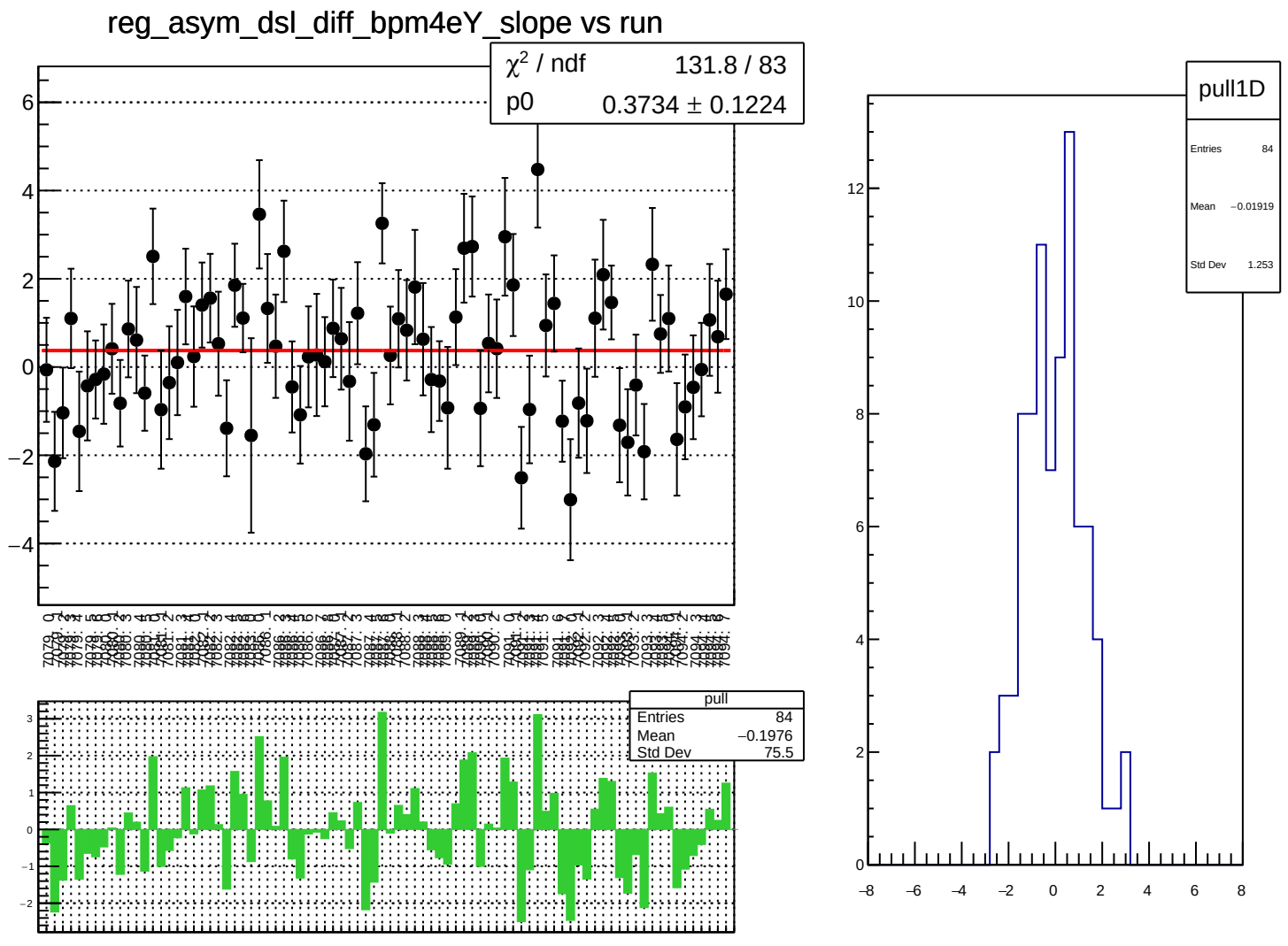

pull1D
Entries 84
Mean 0.01388
Std Dev 1.245

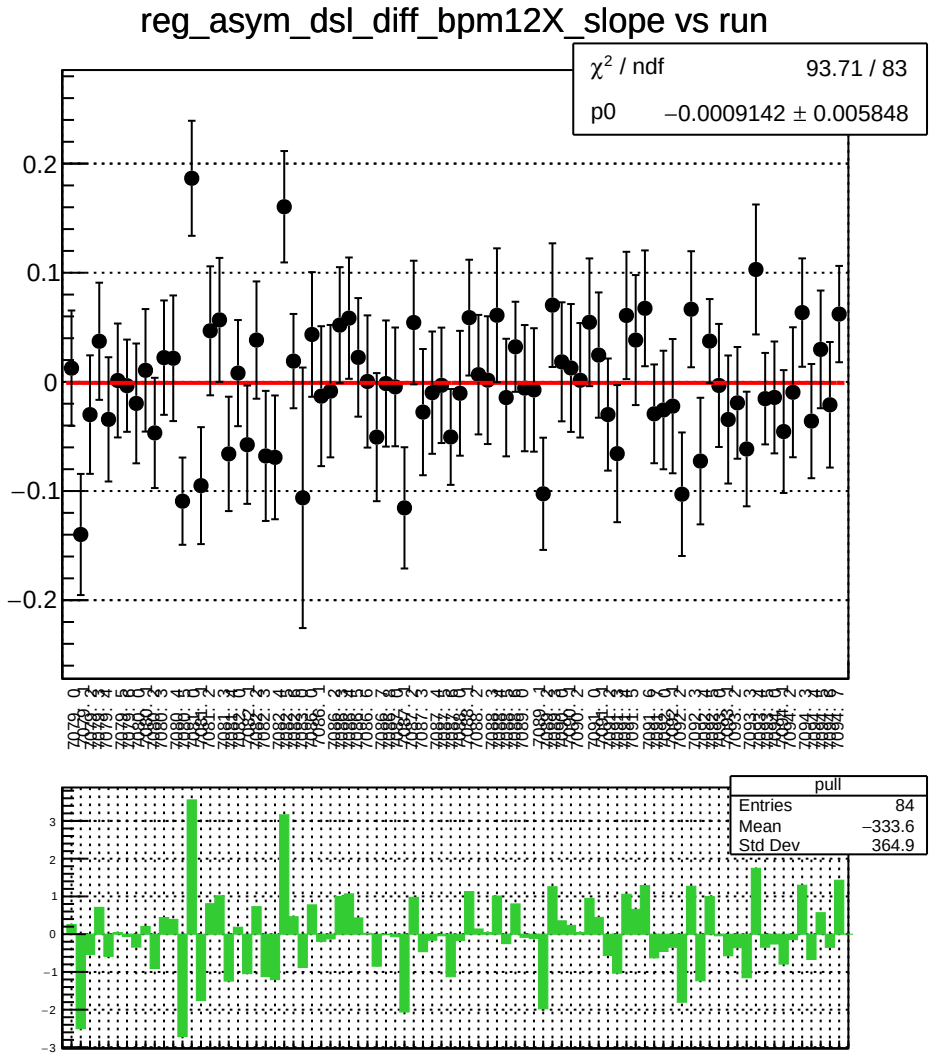

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 135.5 / 83
p0 −0.3133 ± 0.1166
pull
Entries 84
Mean −2.766
Std Dev 71.44

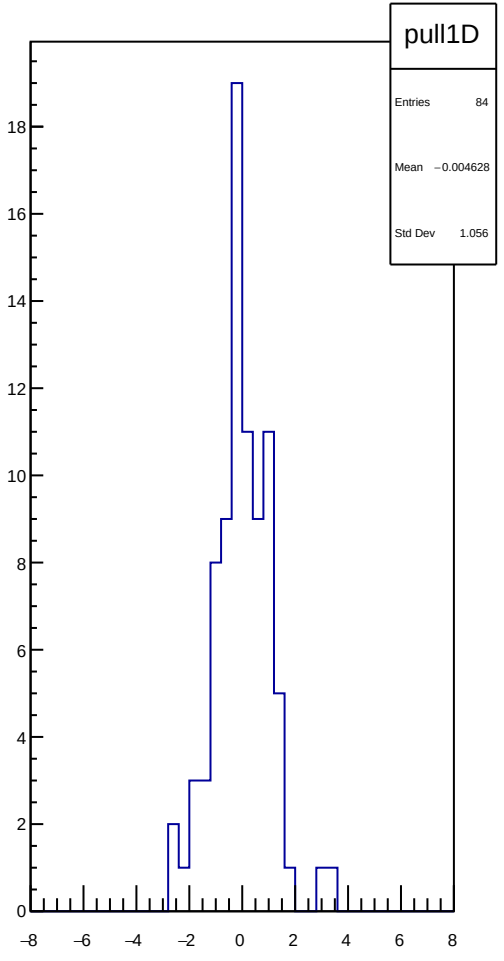

pull1D
Entries 84
Mean 0.02374
Std Dev 1.27

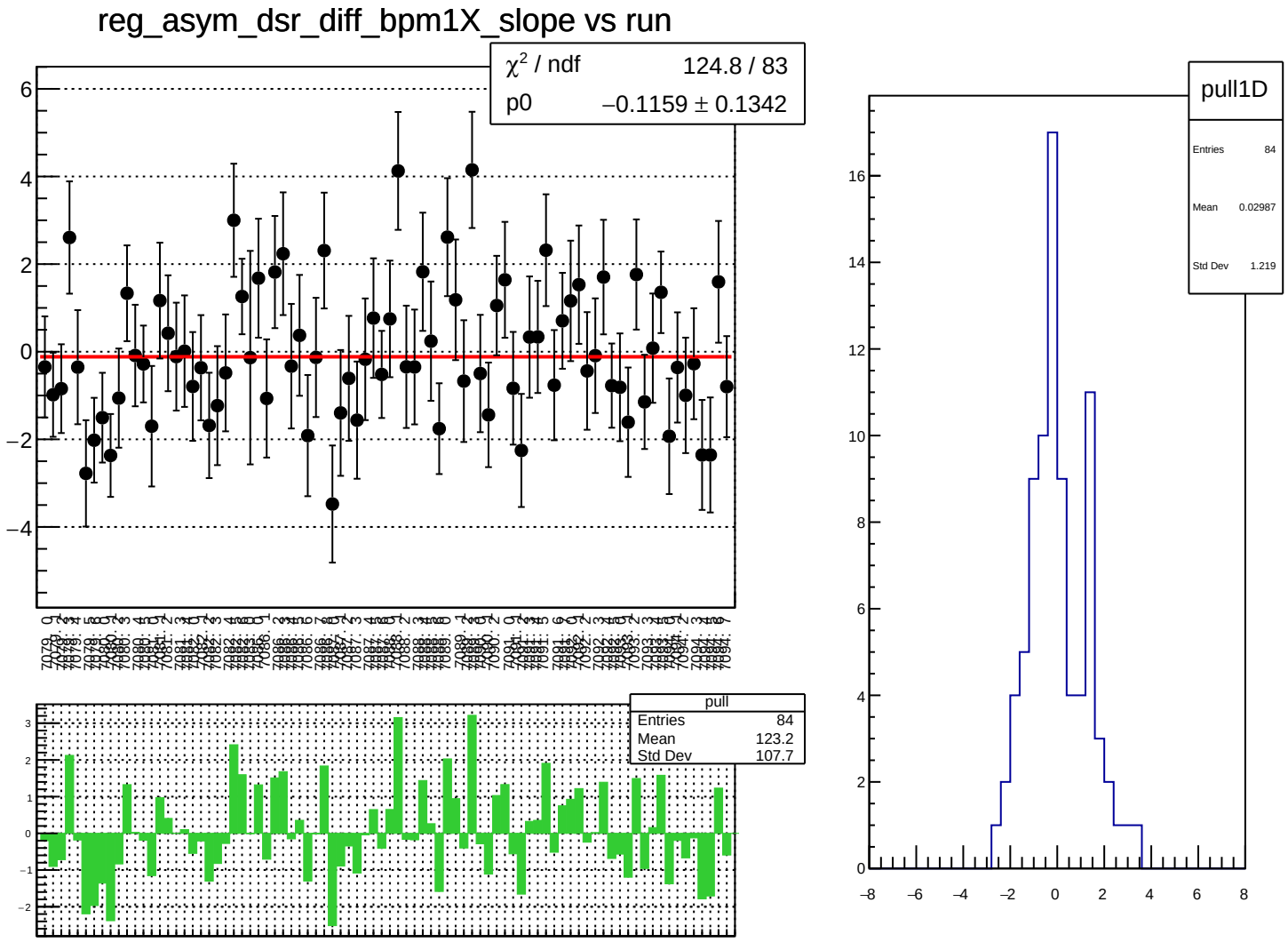

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 116.9 / 83
p0 −0.3745 ± 0.1477
pull
Entries 84
Mean 94.98
Std Dev 36.69

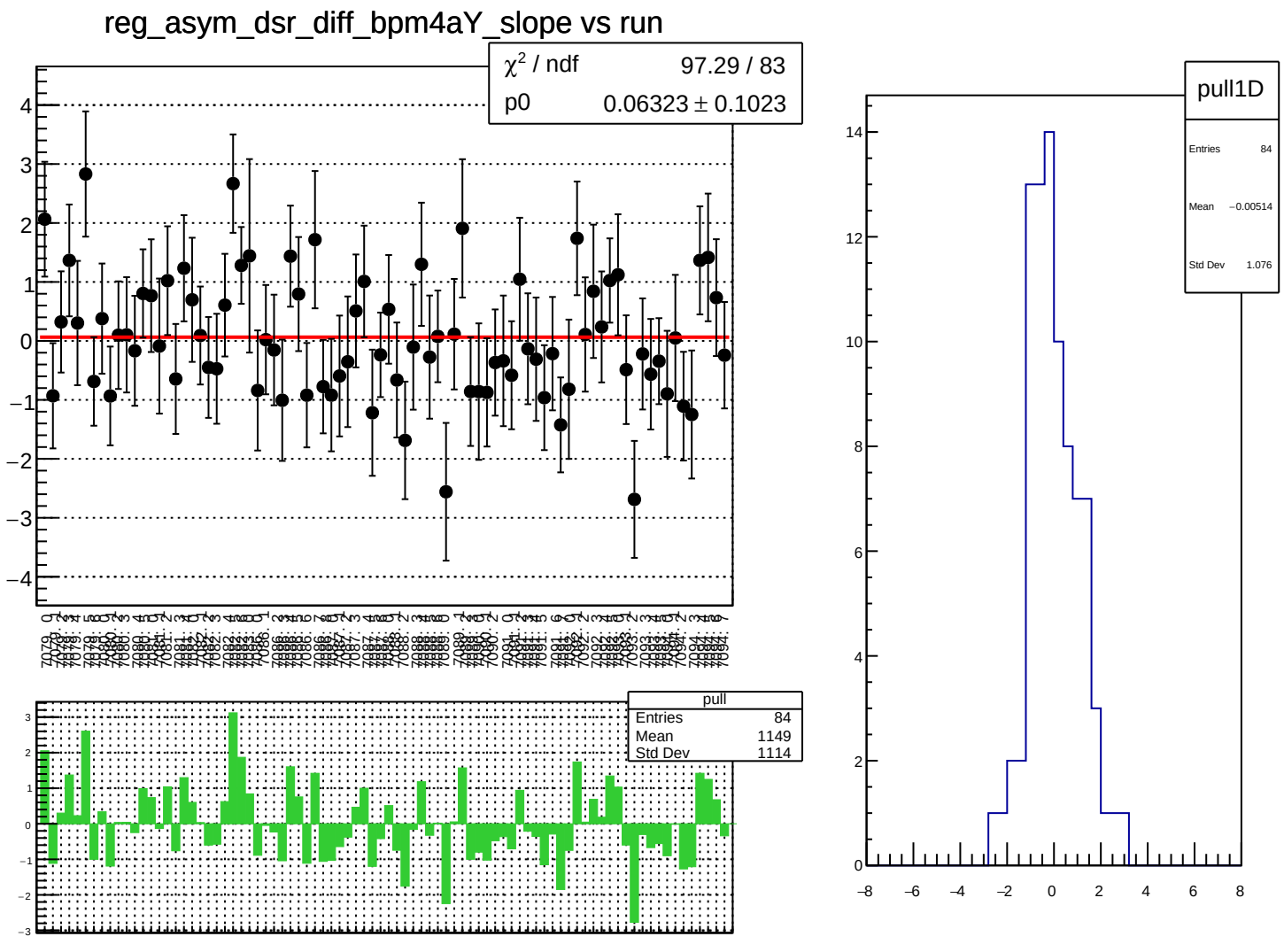

pull1D
Entries 84
Mean −0.01332
Std Dev 1.18

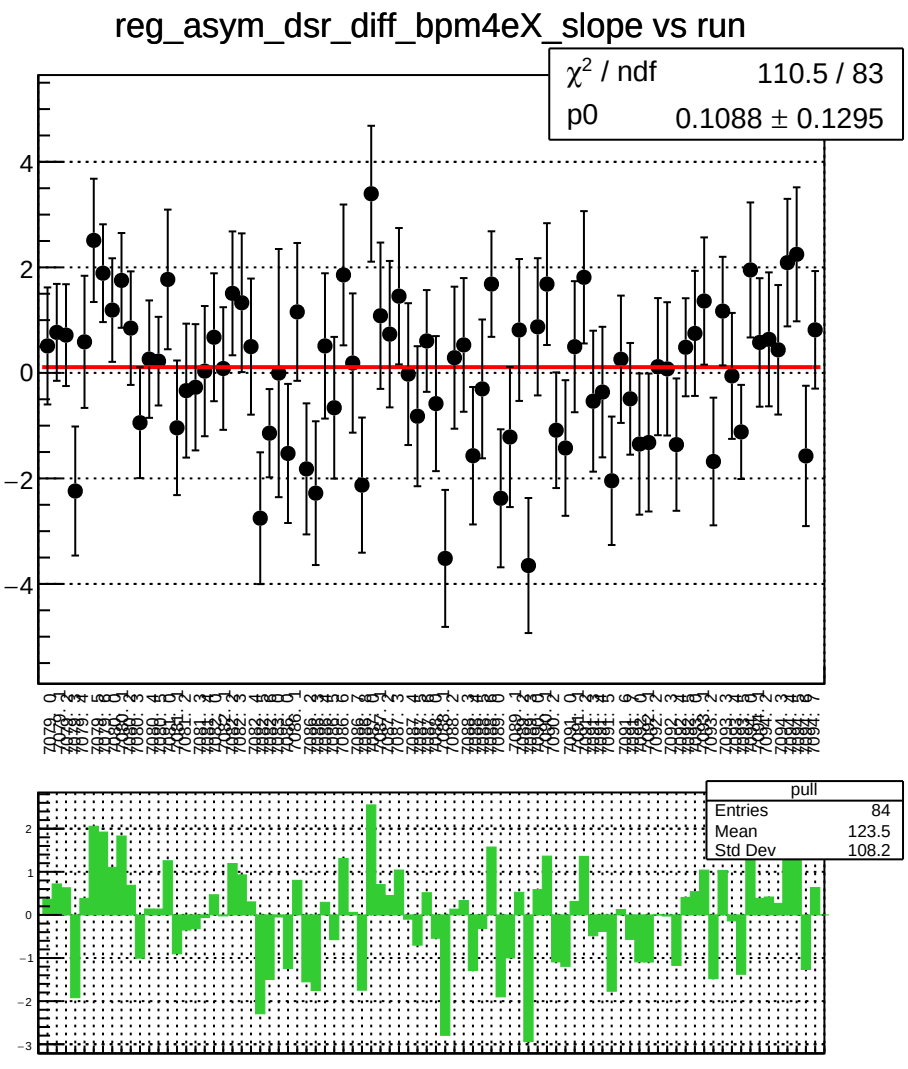

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 131.8 / 83
p0 0.3734 ± 0.1224
pull
Entries 84
Mean −0.1976
Std Dev 75.5
pull1D
Entries 84
Mean −0.01919
Std Dev 1.253

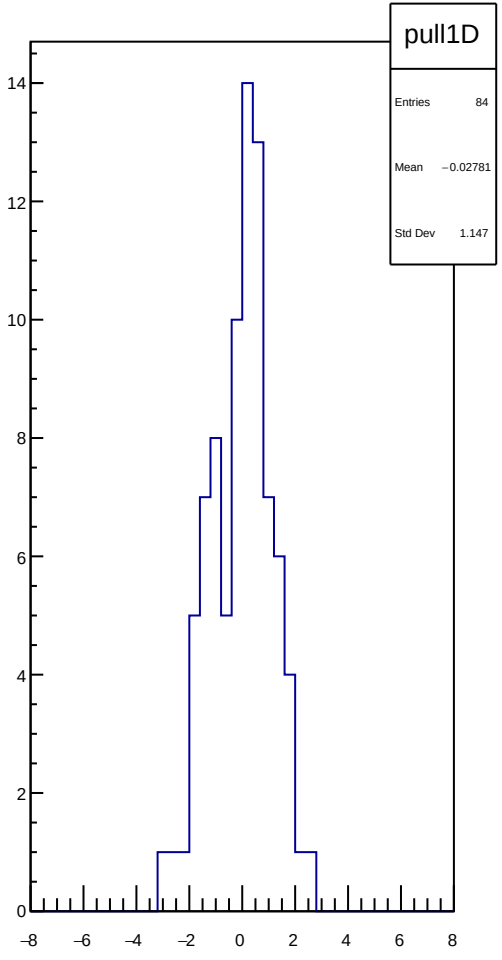

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 93.71 / 83
p0 −0.0009142 ± 0.005848
pull
Entries 84
Mean −333.6
Std Dev 364.9

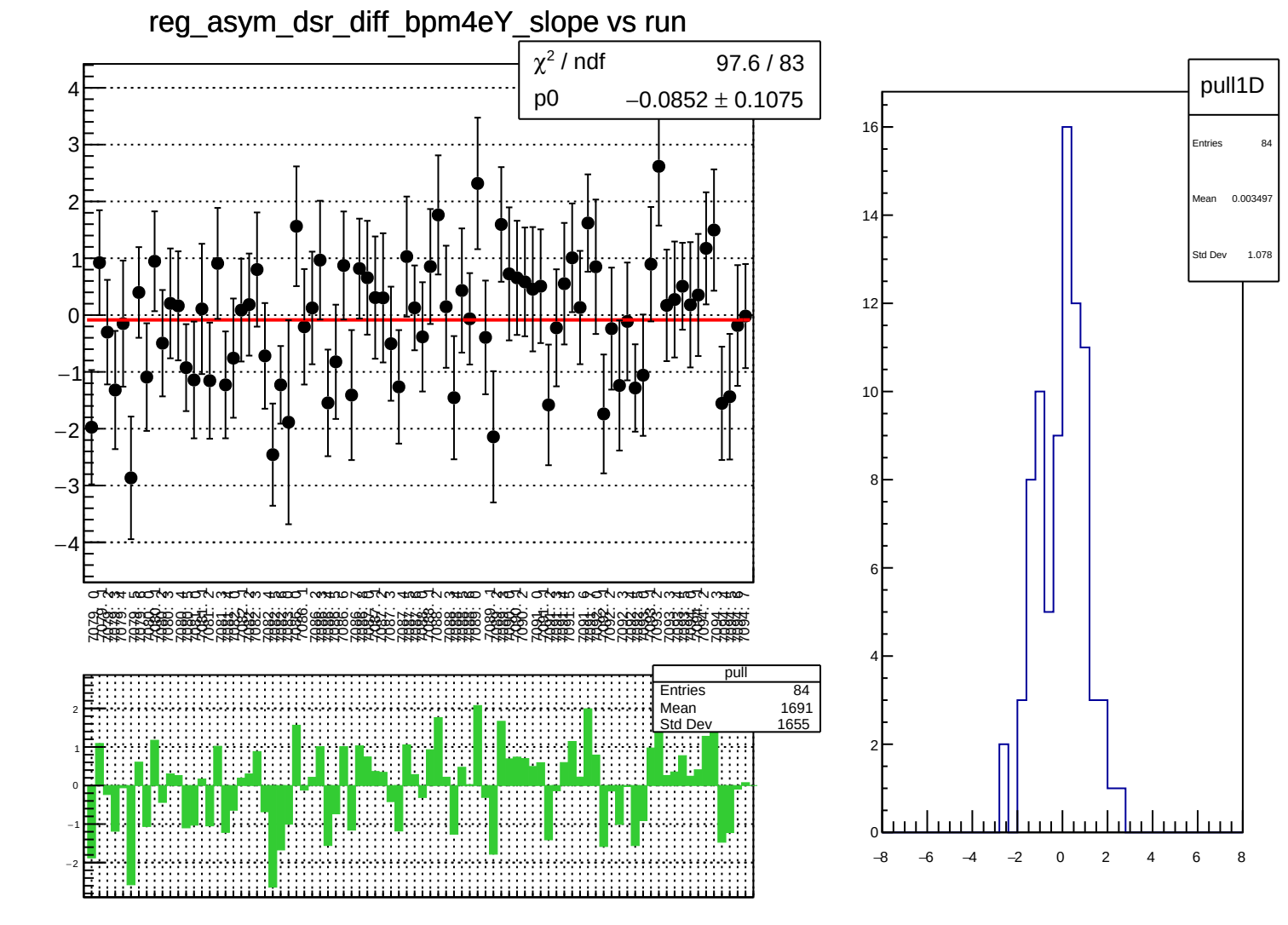

pull1D
Entries 84
Mean −0.004628
Std Dev 1.056

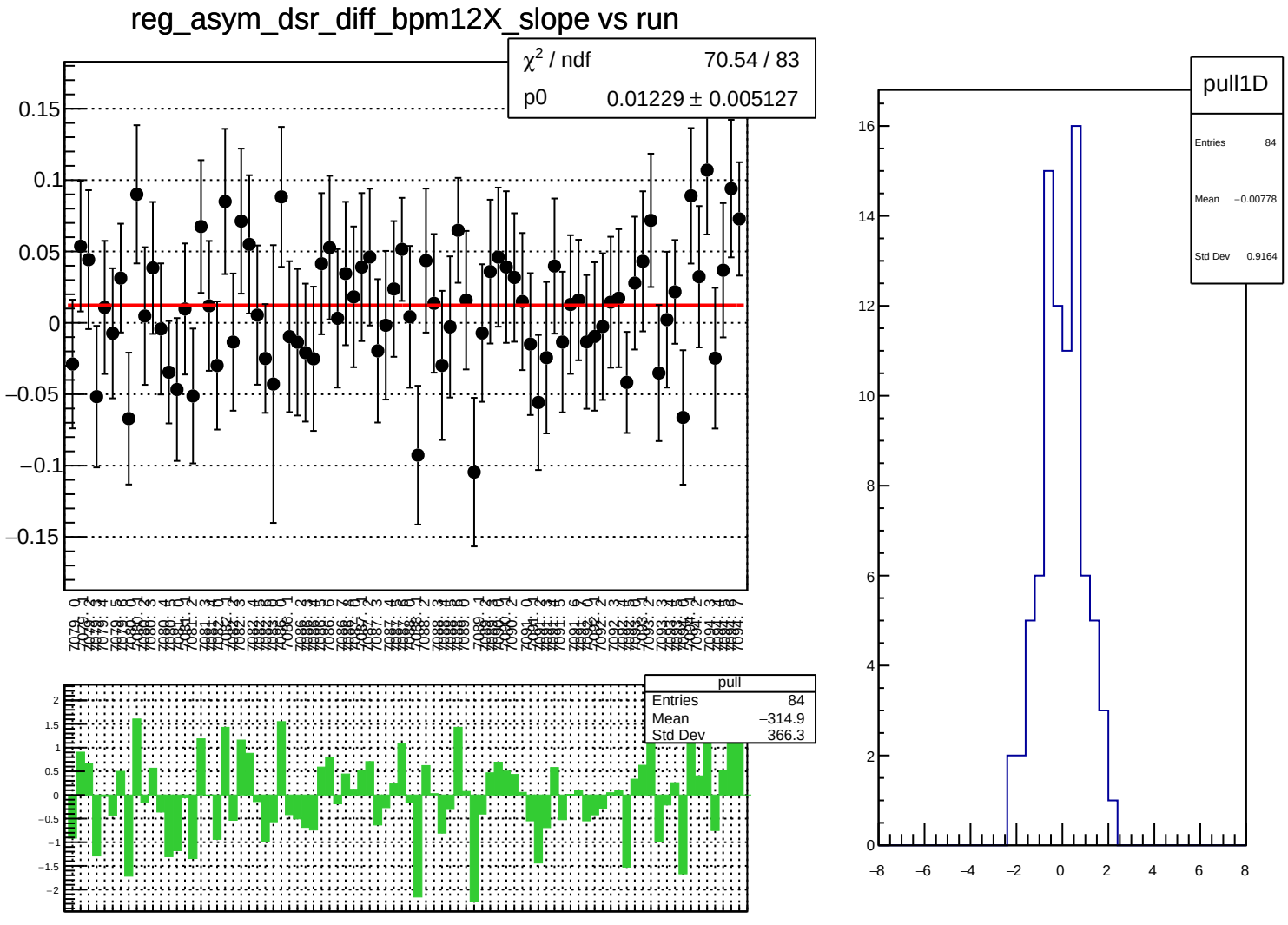

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 124.8 / 83
p0 −0.1159 ± 0.1342
pull
Entries 84
Mean 123.2
Std Dev 107.7
pull1D
Entries 84
Mean 0.02987
Std Dev 1.219

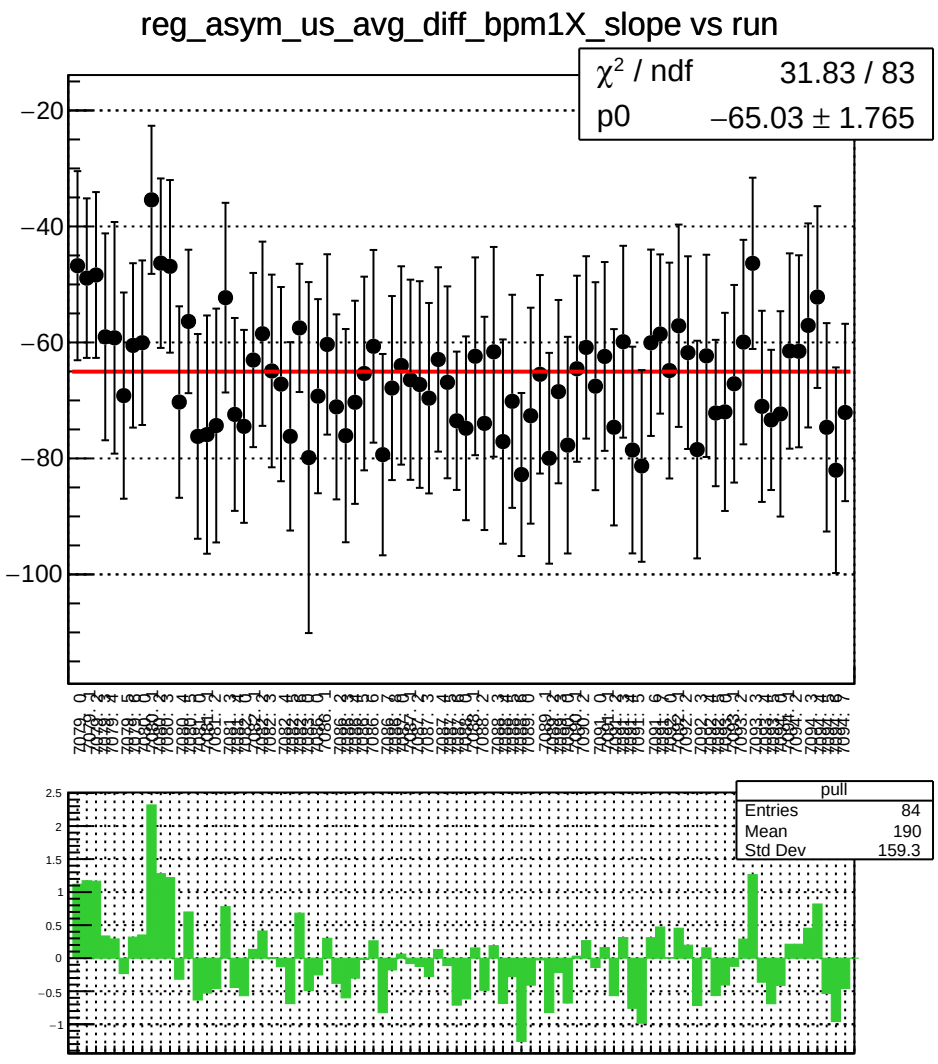

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 97.29 / 83
p0 0.06323 ± 0.1023
pull
Entries 84
Mean 1149
Std Dev 1114
pull1D
Entries 84
Mean −0.00514
Std Dev 1.076

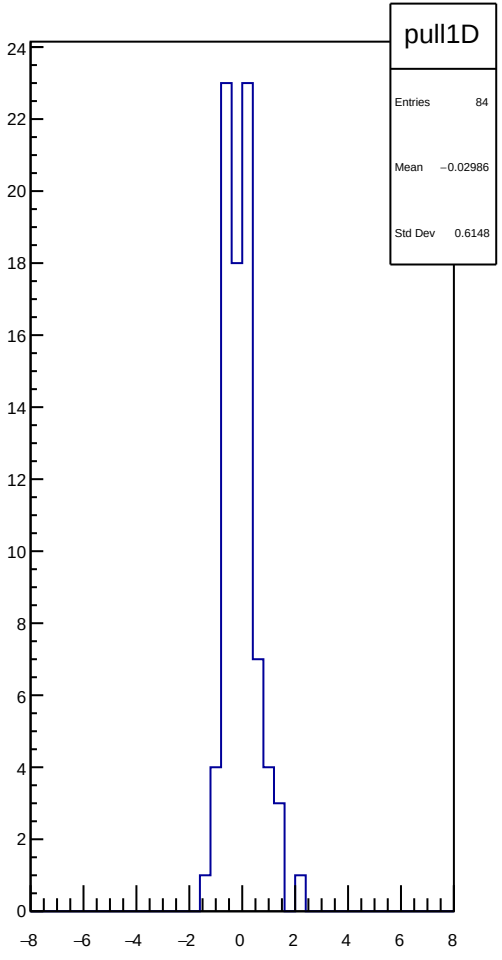

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 110.5 / 83
p0 0.1088 ± 0.1295
pull
Entries 84
Mean 123.5
Std Dev 108.2

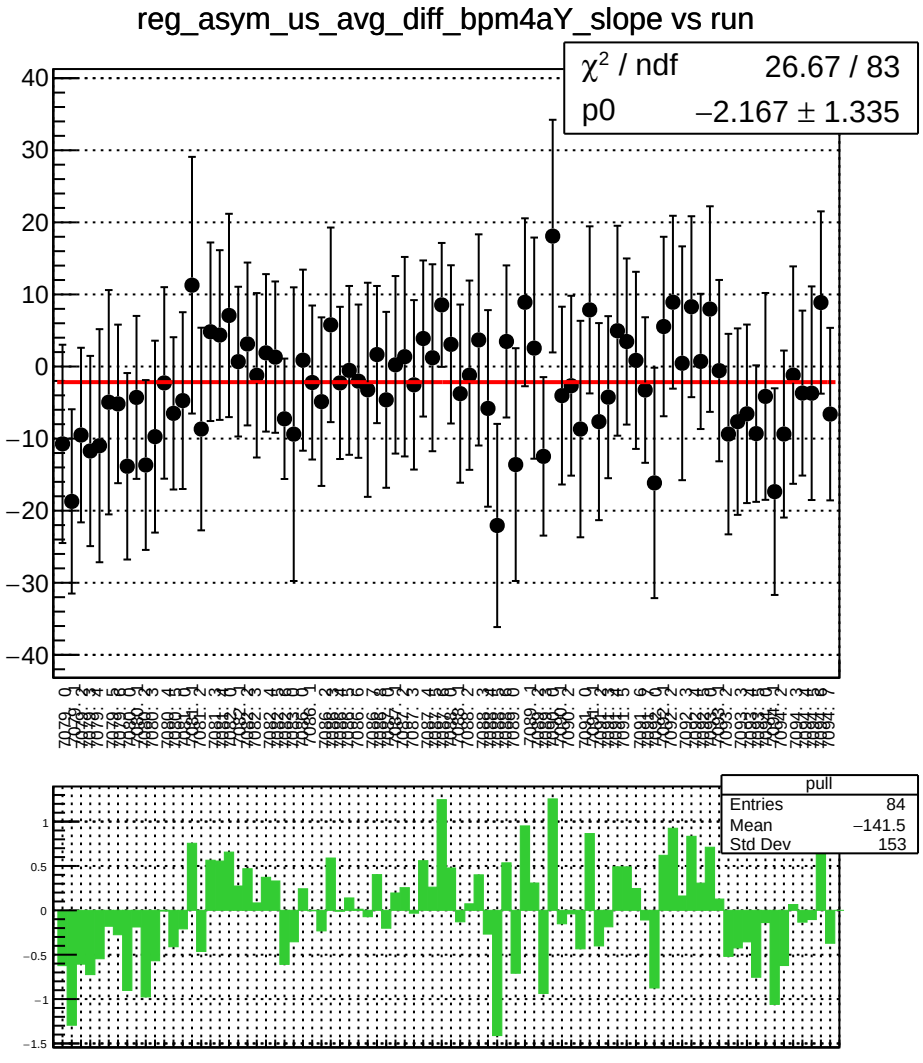

pull1D
Entries 84
Mean −0.02781
Std Dev 1.147

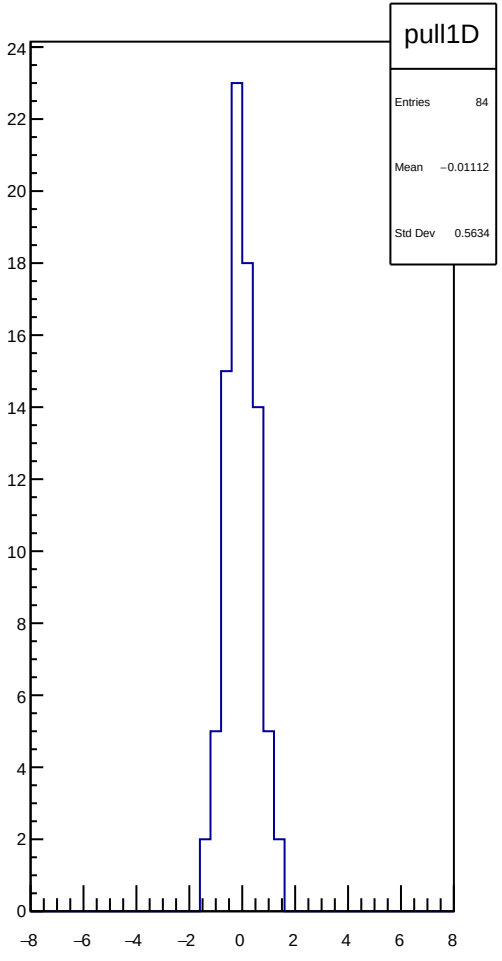

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 97.6 / 83
p0 −0.0852 ± 0.1075
pull
Entries 84
Mean 1691
Std Dev 1655
pull1D
Entries 84
Mean 0.003497
Std Dev 1.078

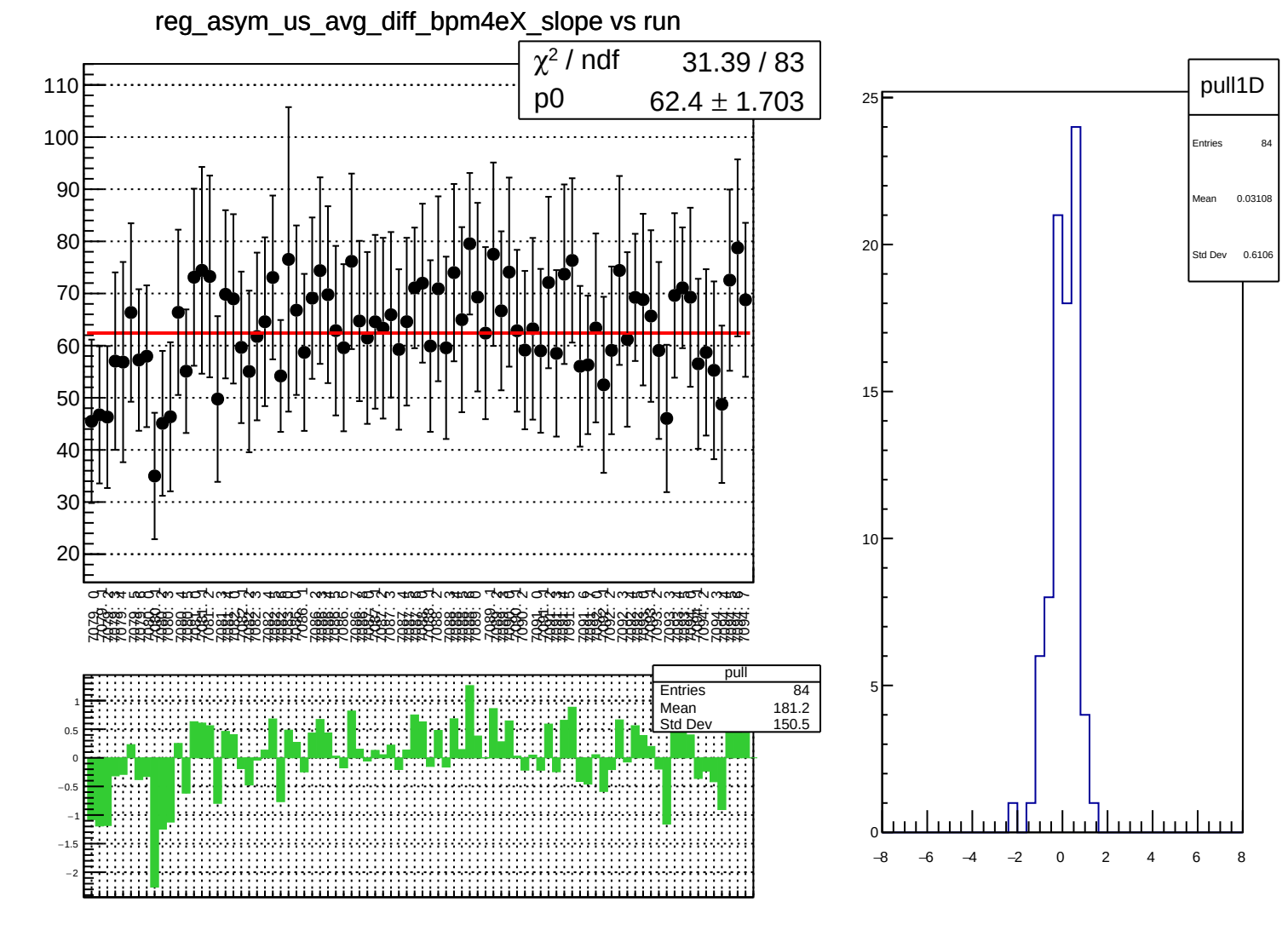

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 70.54 / 83
p0 0.01229 ± 0.005127
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 84
Mean −314.9
Std Dev 366.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −0.00778
Std Dev 0.9164
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

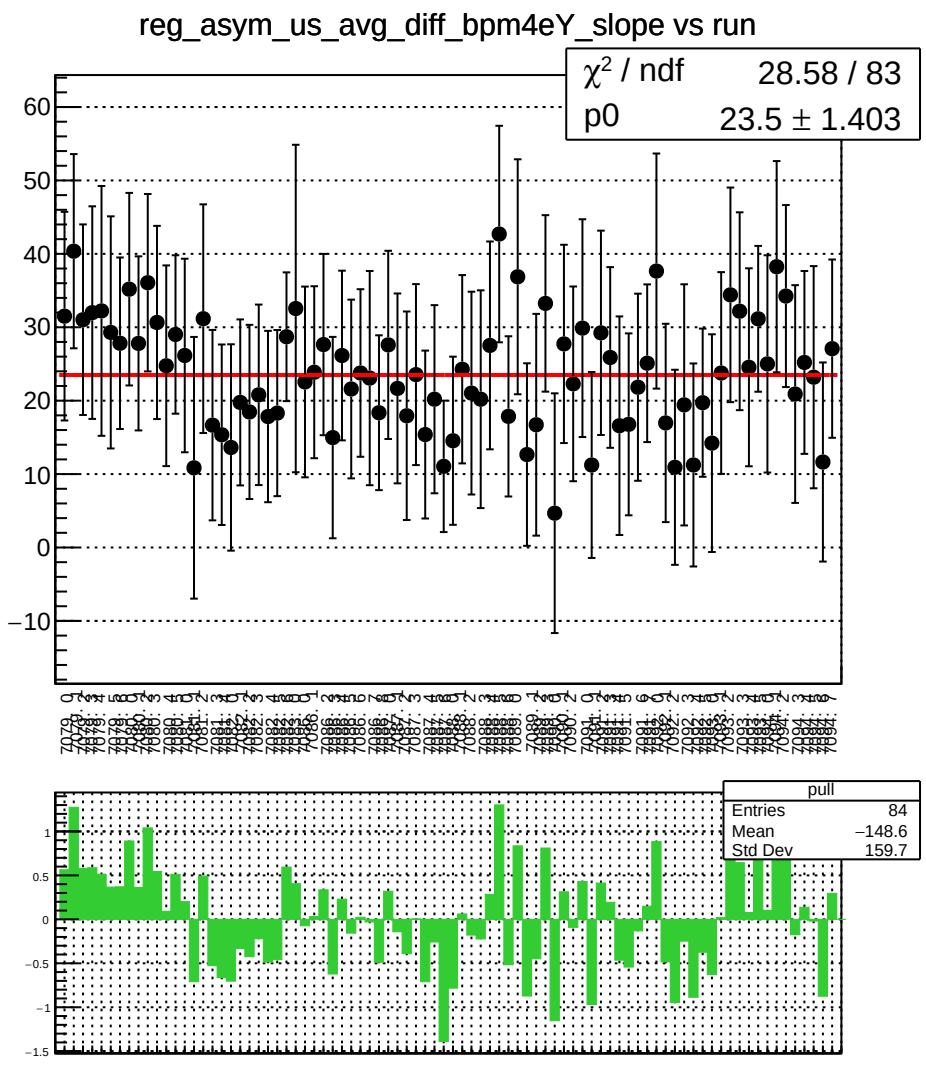

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 31.83 / 83
p0 −65.03 ± 1.765
pull
Entries 84
Mean 190
Std Dev 159.3

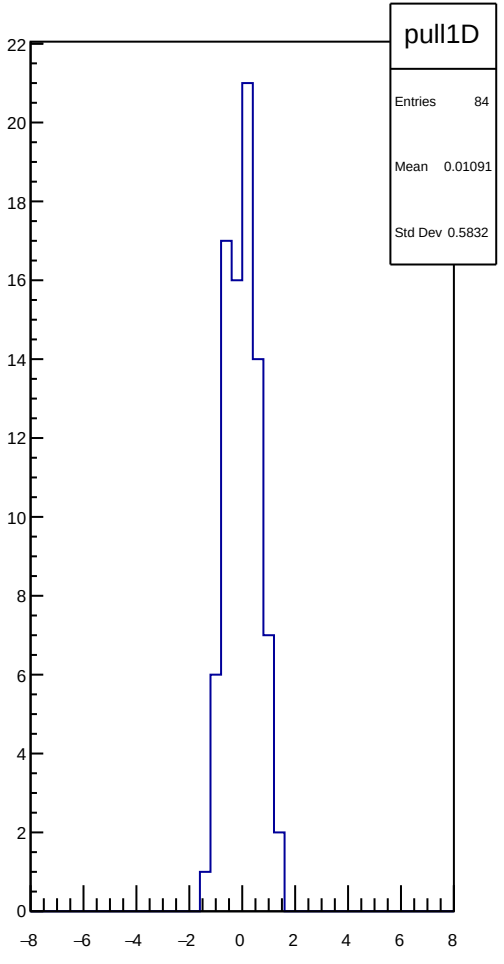

pull1D
Entries 84
Mean −0.02986
Std Dev 0.6148

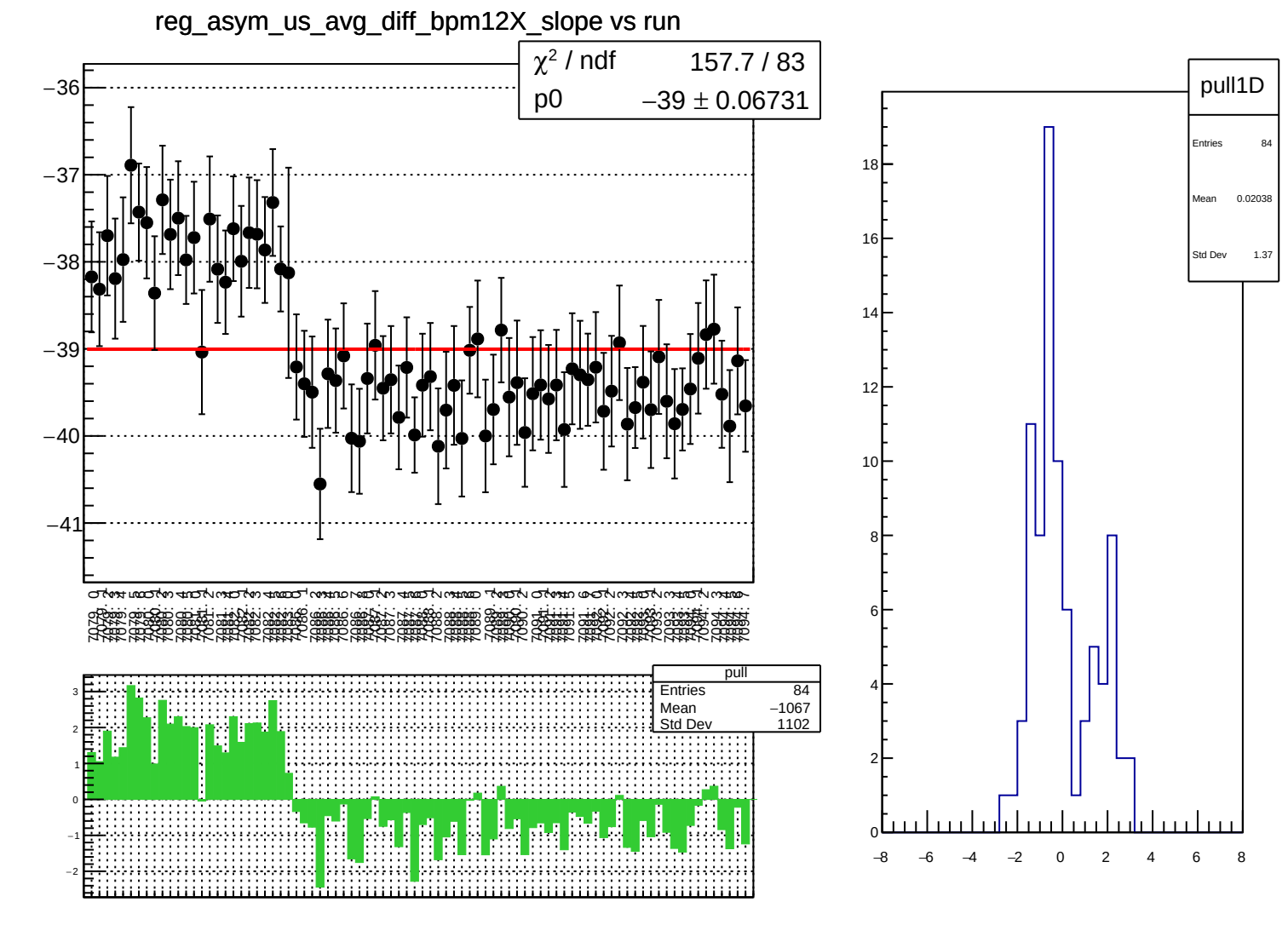

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.67 / 83
p0 −2.167 ± 1.335
pull
Entries 84
Mean −141.5
Std Dev 153

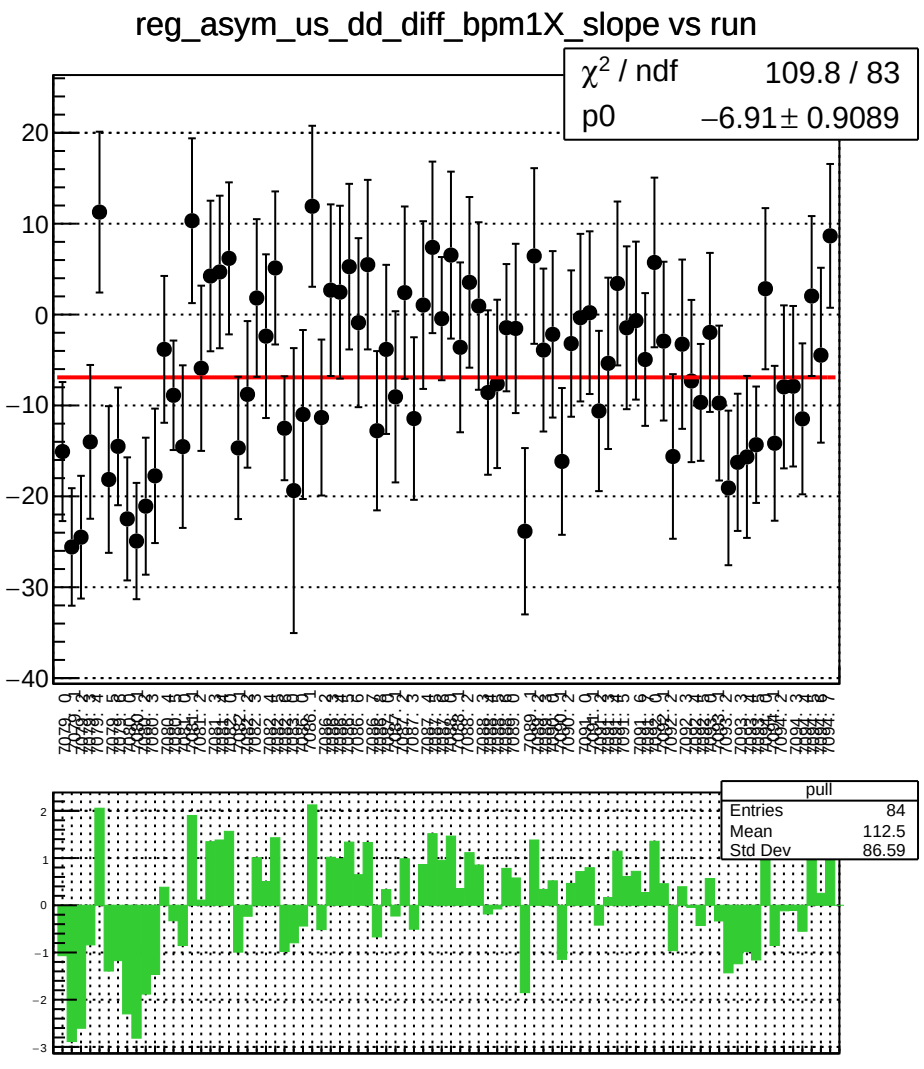

pull1D
Entries 84
Mean −0.01112
Std Dev 0.5634

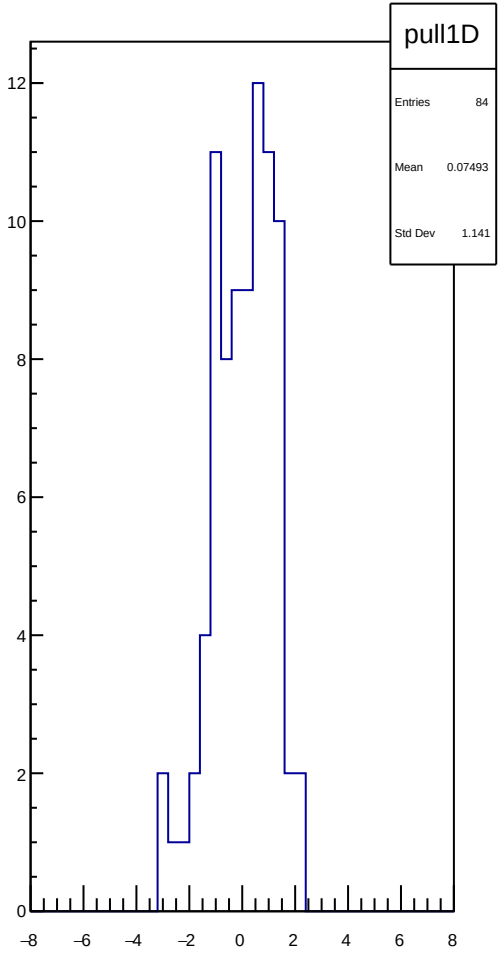

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 31.39 / 83
p0 62.4 ± 1.703
pull
Entries 84
Mean 181.2
Std Dev 150.5
pull1D
Entries 84
Mean 0.03108
Std Dev 0.6106

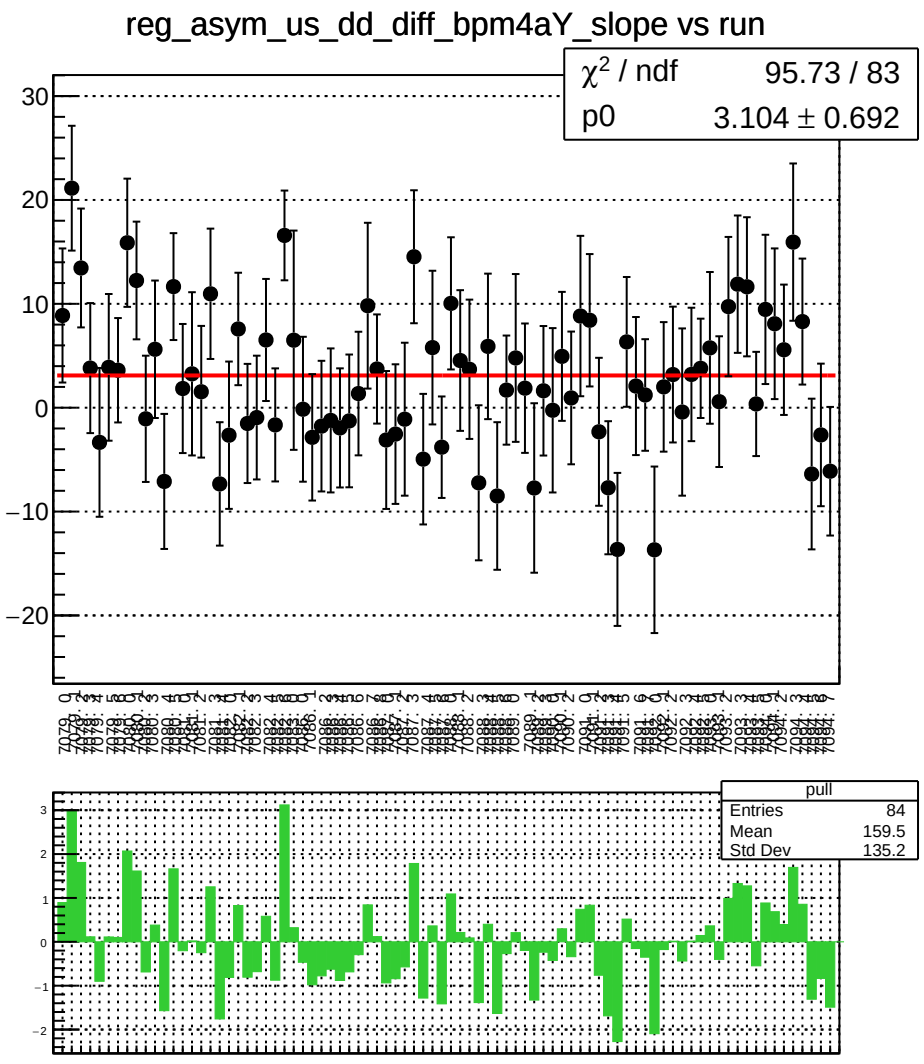

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 28.58 / 83
p0 23.5 ± 1.403
pull
Entries 84
Mean −148.6
Std Dev 159.7

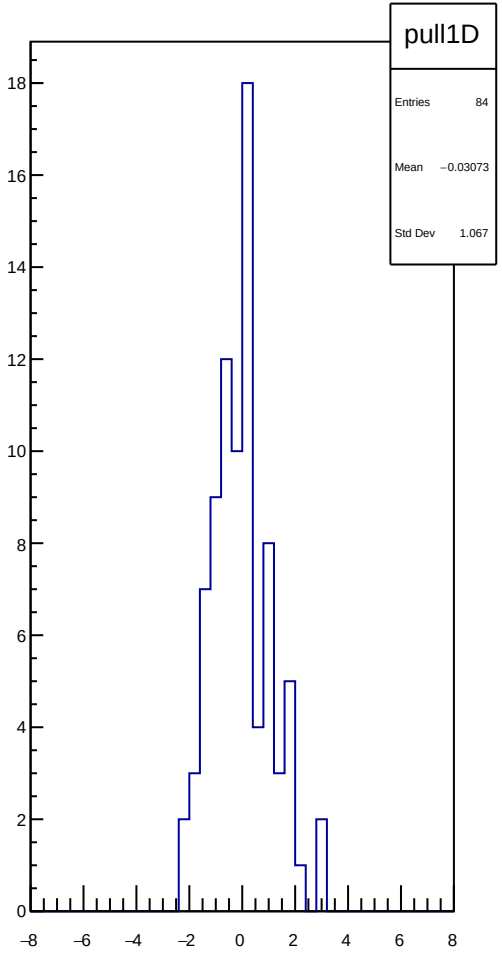

pull1D
Entries 84
Mean 0.01091
Std Dev 0.5832

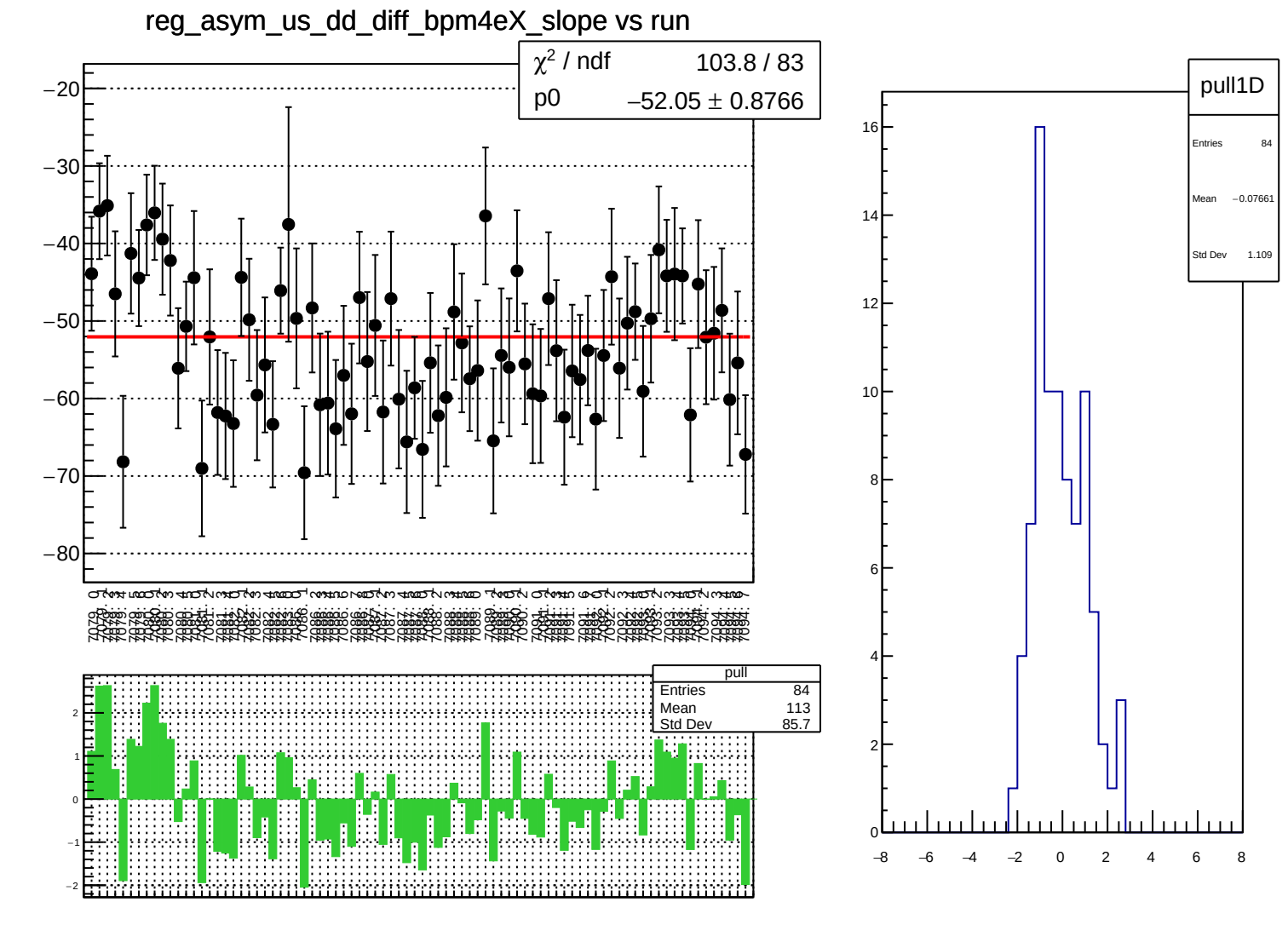

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 157.7 / 83
p0 −39 ± 0.06731
pull
Entries 84
Mean −1067
Std Dev 1102
pull1D
Entries 84
Mean 0.02038
Std Dev 1.37

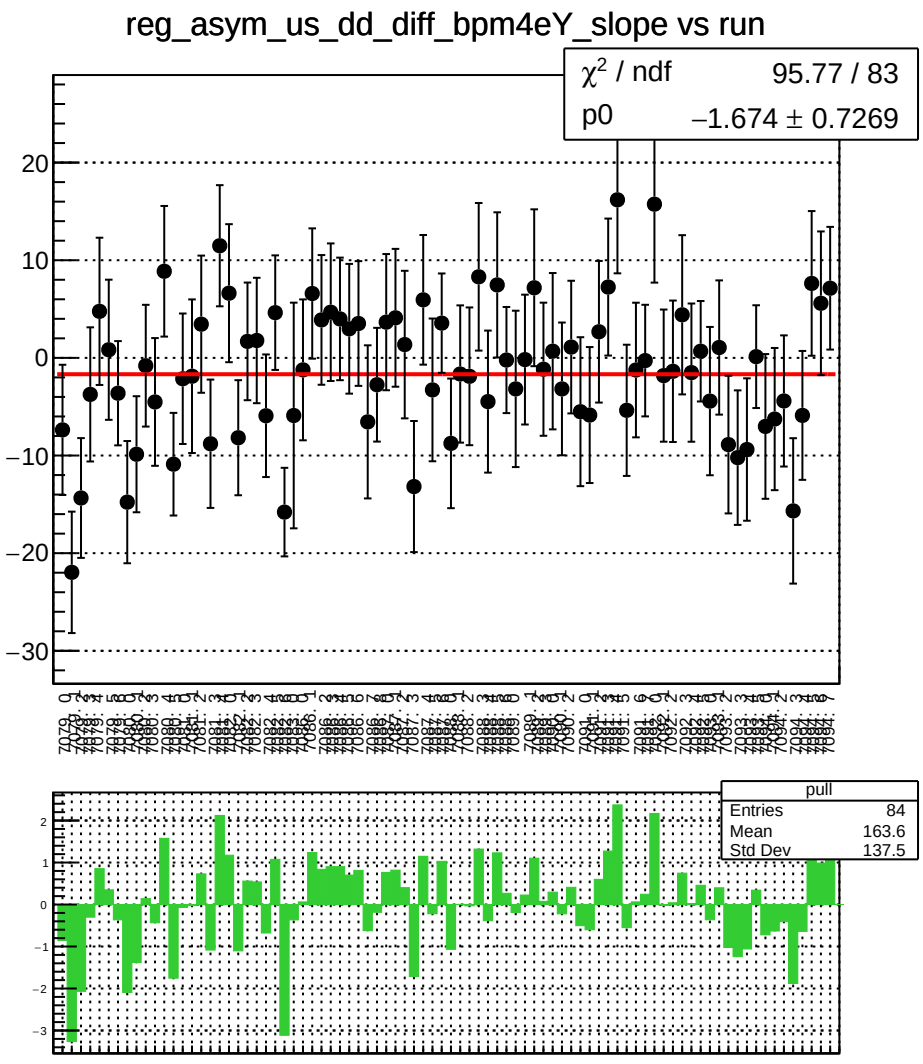

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 109.8 / 83
p0 −6.91 ± 0.9089
pull
Entries 84
Mean 112.5
Std Dev 86.59

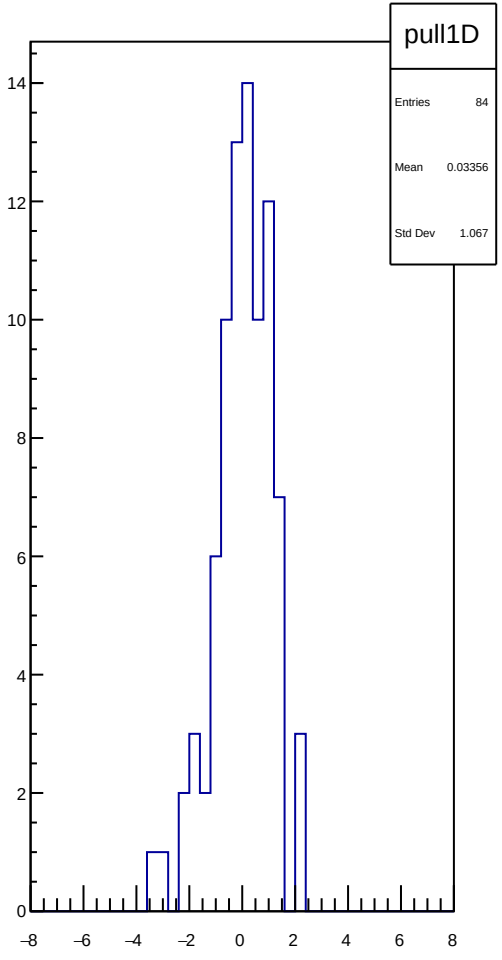

pull1D
Entries 84
Mean 0.07493
Std Dev 1.141

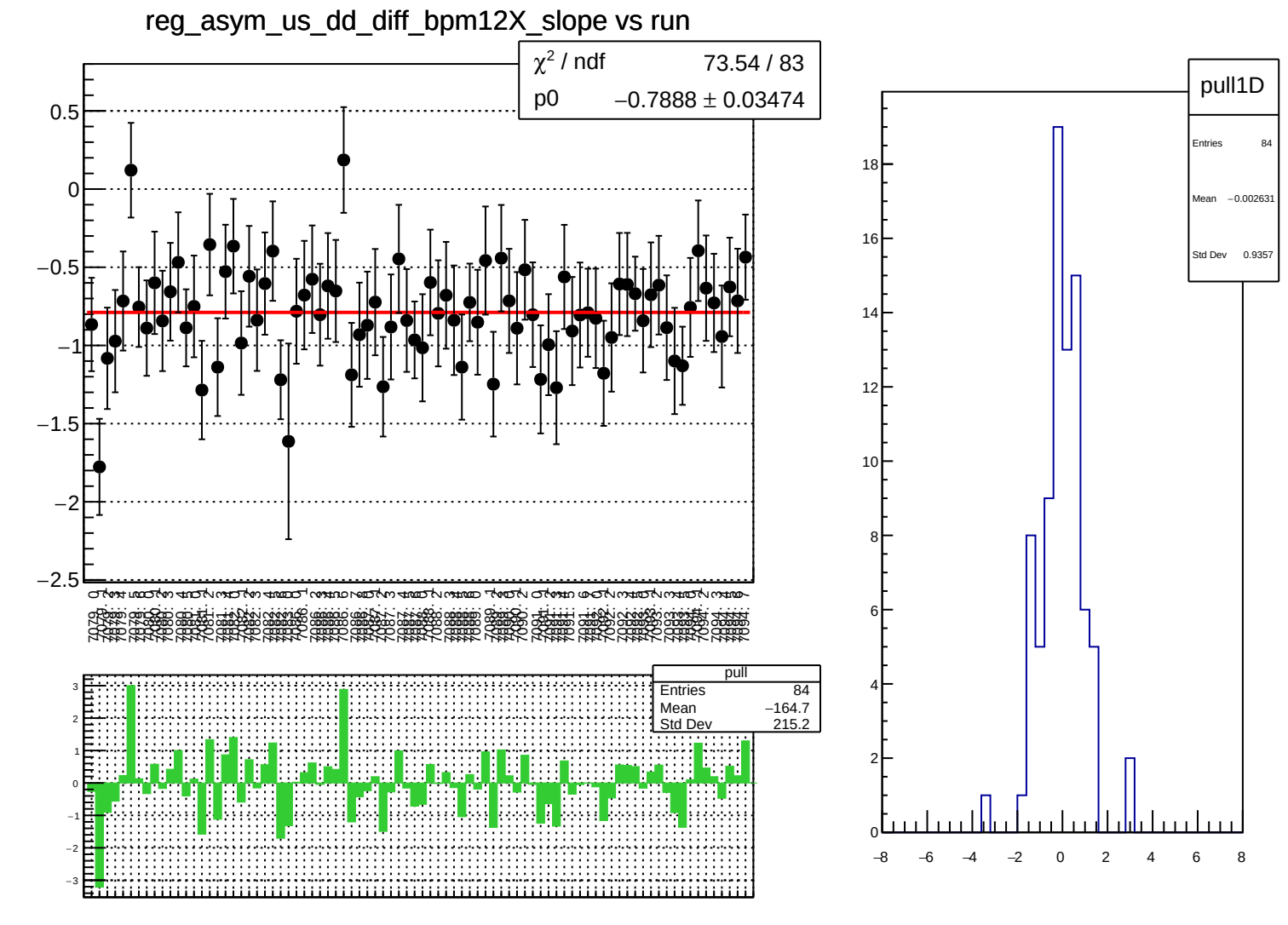

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 95.73 / 83
p0 3.104 ± 0.692
pull
Entries 84
Mean 159.5
Std Dev 135.2

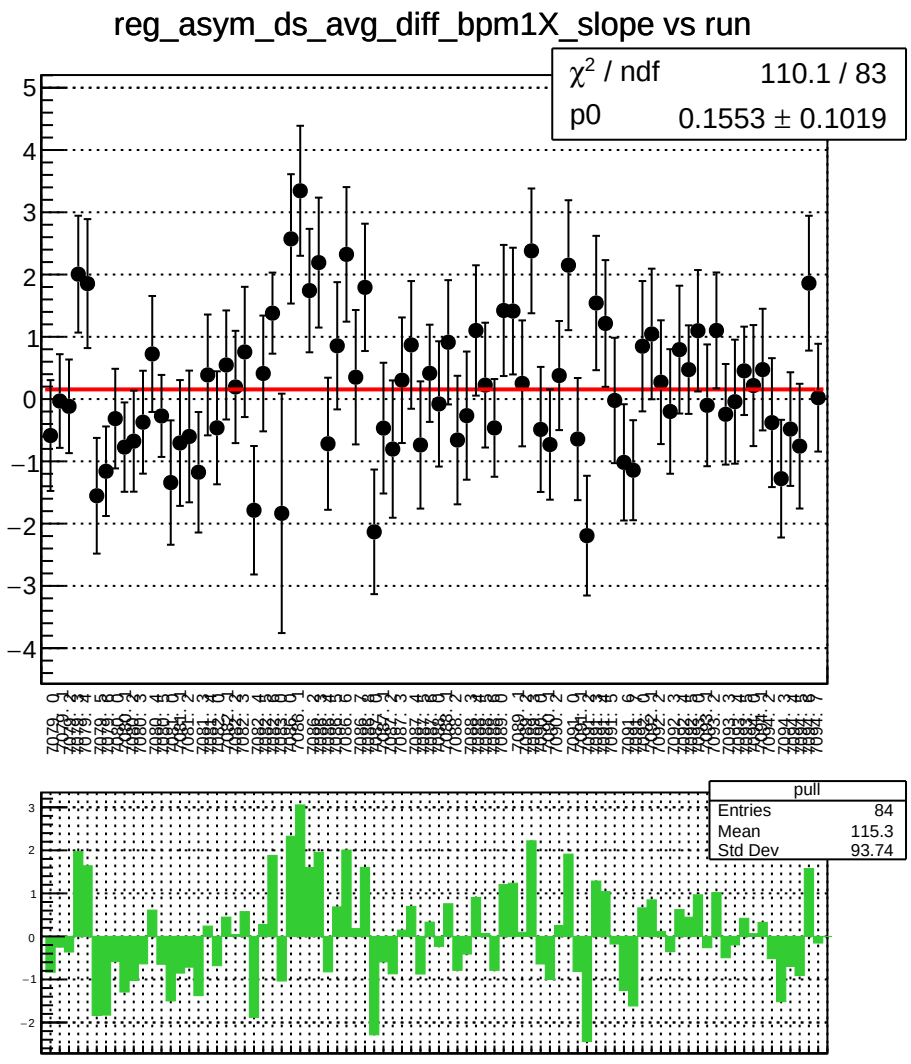

pull1D
Entries 84
Mean −0.03073
Std Dev 1.067

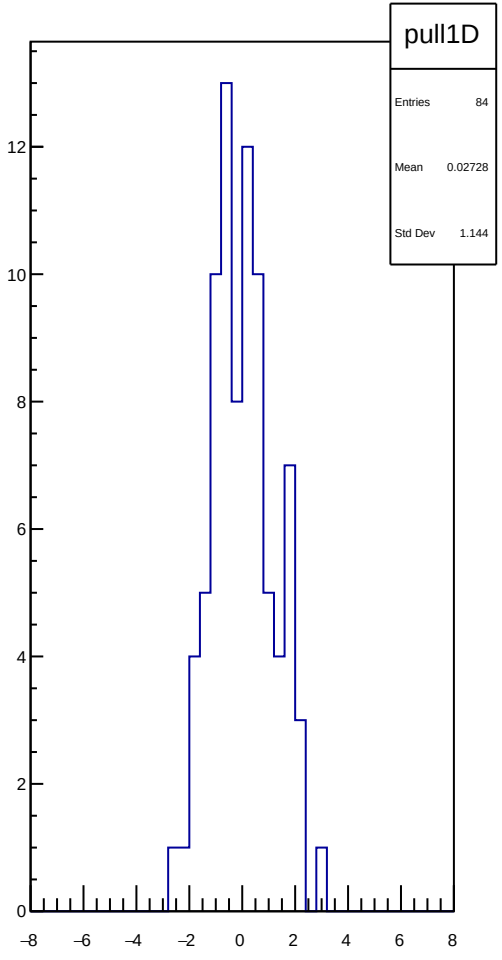

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 103.8 / 83
p0 −52.05 ± 0.8766
pull
Entries 84
Mean 113
Std Dev 85.7
pull1D
Entries 84
Mean −0.07661
Std Dev 1.109

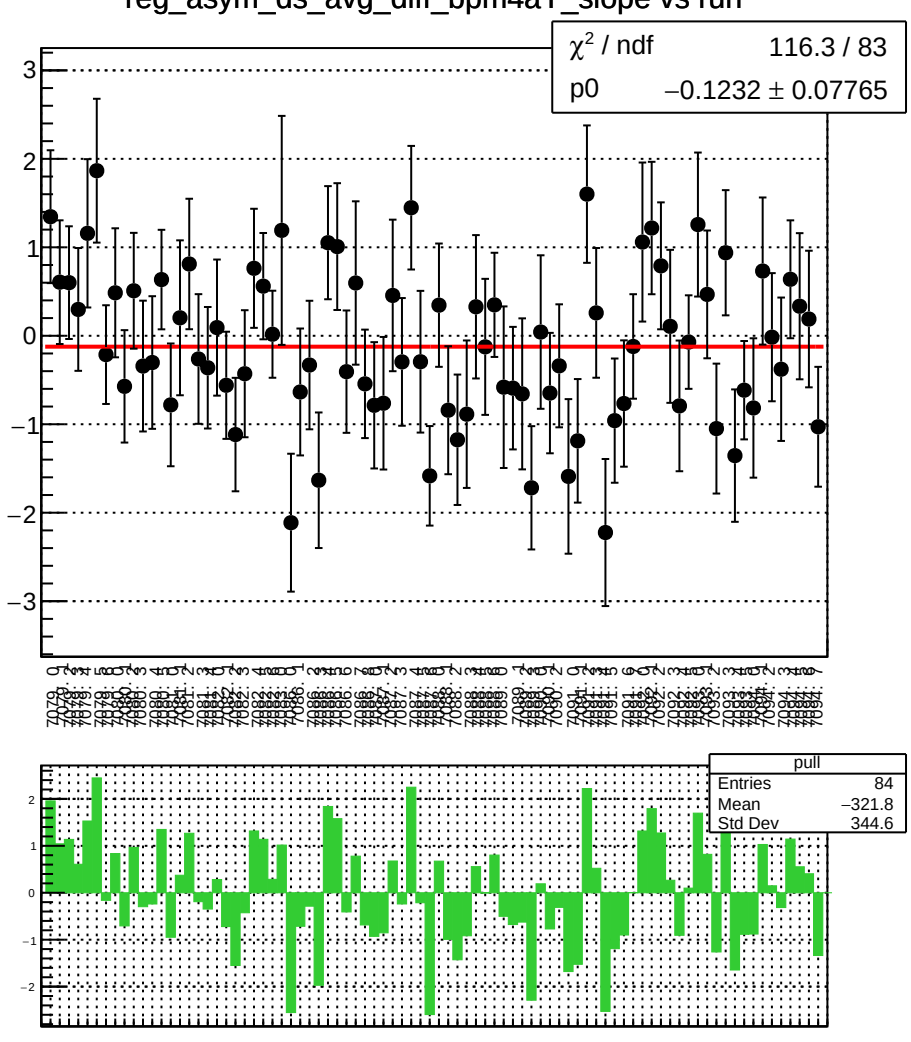

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 95.77 / 83
p0 −1.674 ± 0.7269
pull
Entries 84
Mean 163.6
Std Dev 137.5

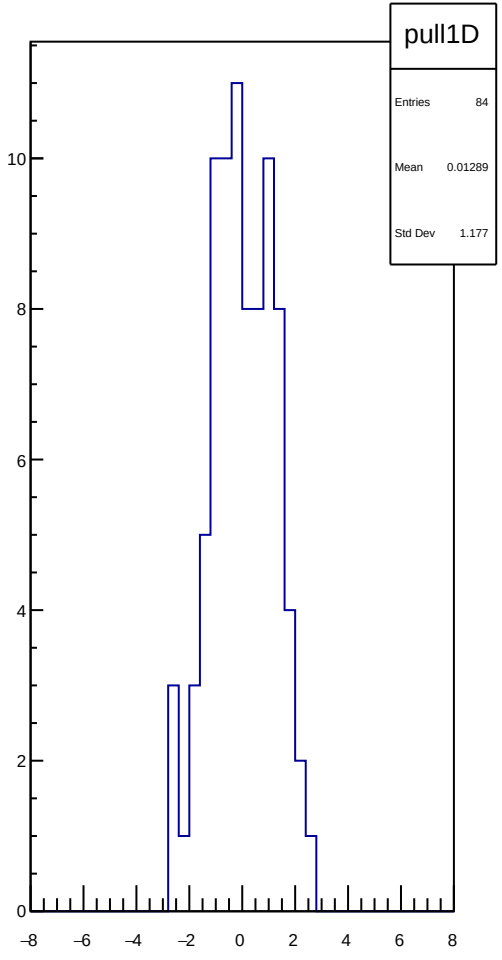

pull1D
Entries 84
Mean 0.03356
Std Dev 1.067

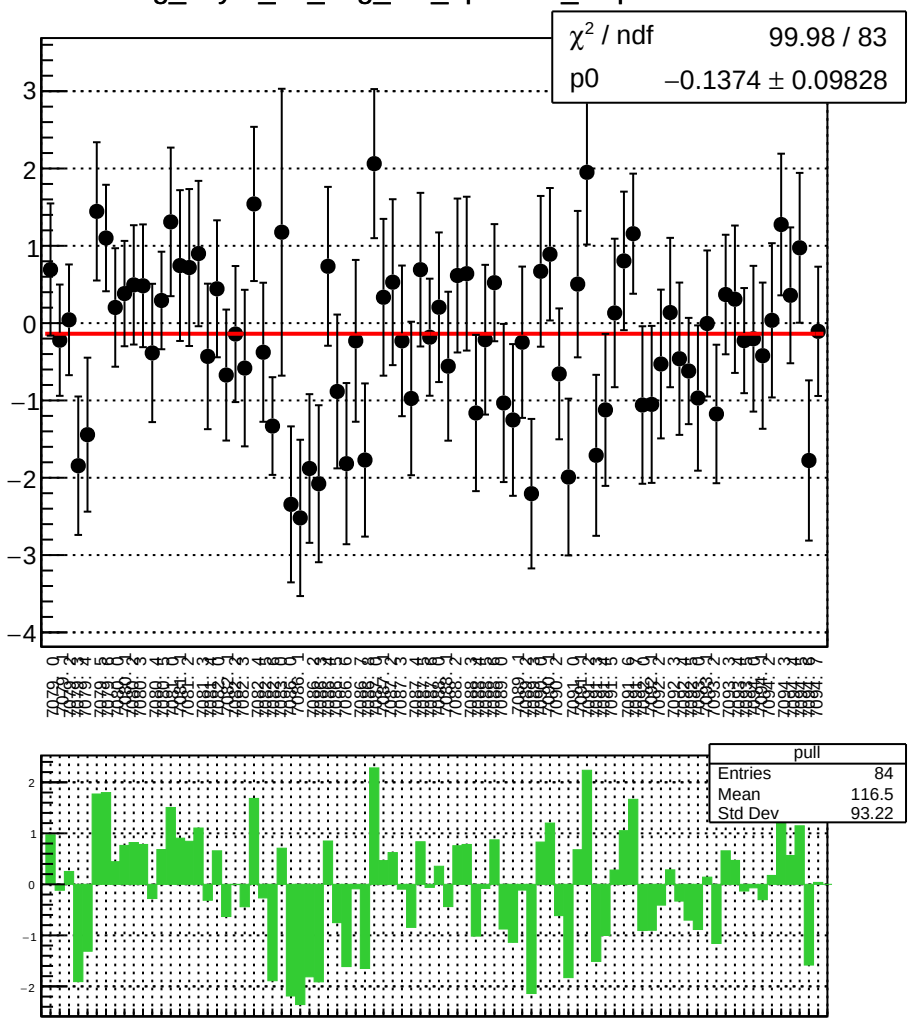

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 73.54 / 83
p0 −0.7888 ± 0.03474
pull
Entries 84
Mean −164.7
Std Dev 215.2
pull1D
Entries 84
Mean −0.002631
Std Dev 0.9357

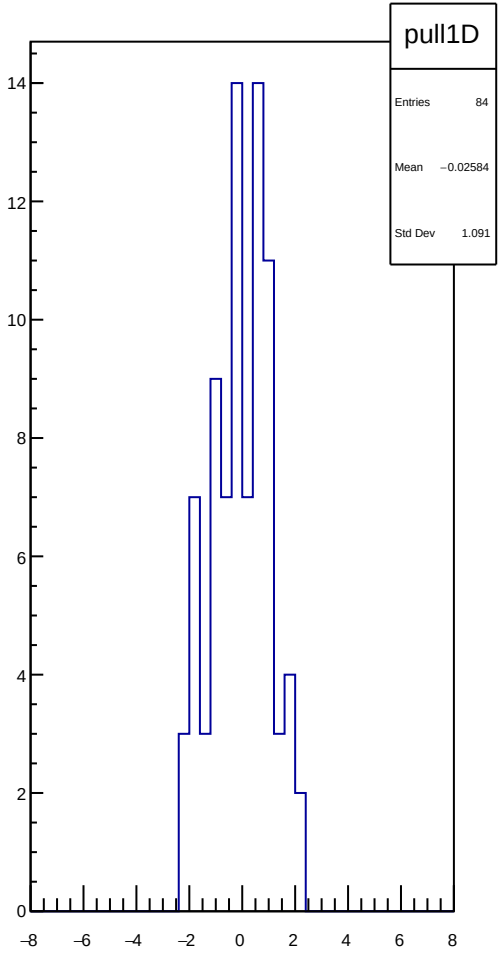

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 110.1 / 83
p0 0.1553 ± 0.1019
pull
Entries 84
Mean 115.3
Std Dev 93.74

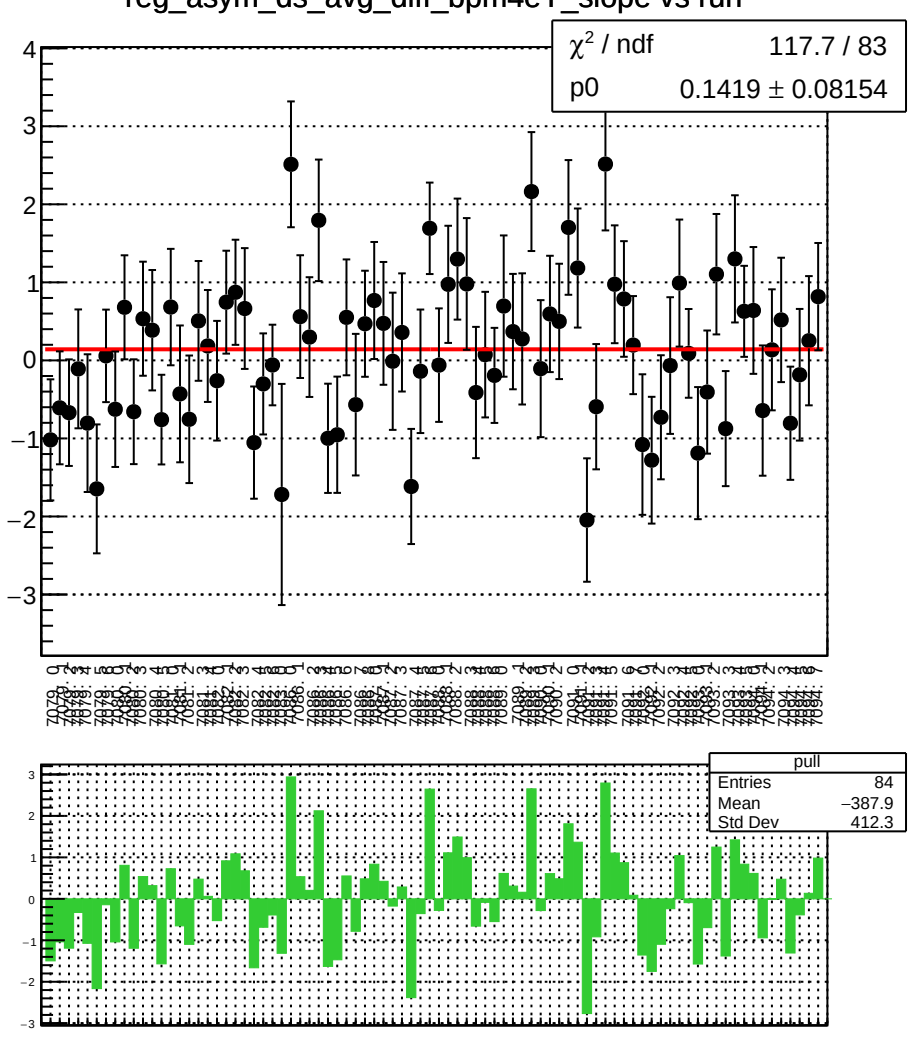

pull1D
Entries 84
Mean 0.02728
Std Dev 1.144

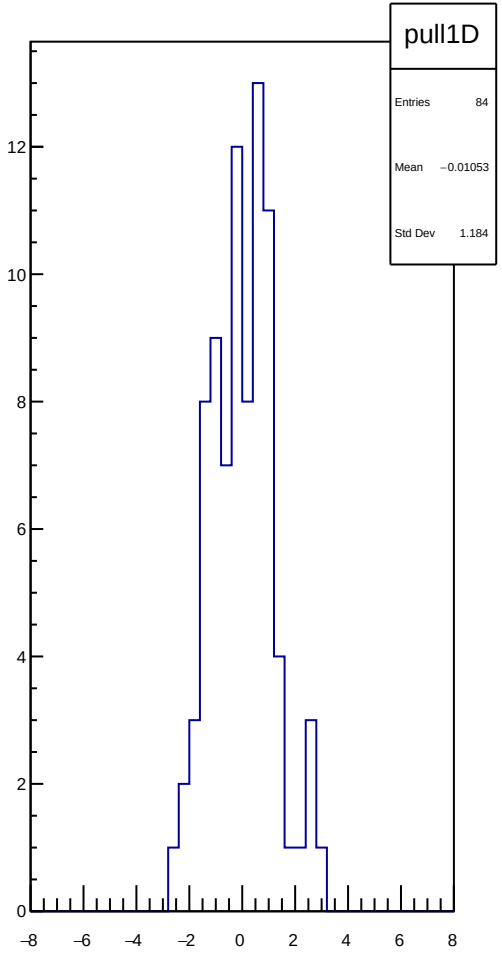

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 116.3 / 83
p0 −0.1232 ± 0.07765
pull
Entries 84
Mean −321.8
Std Dev 344.6

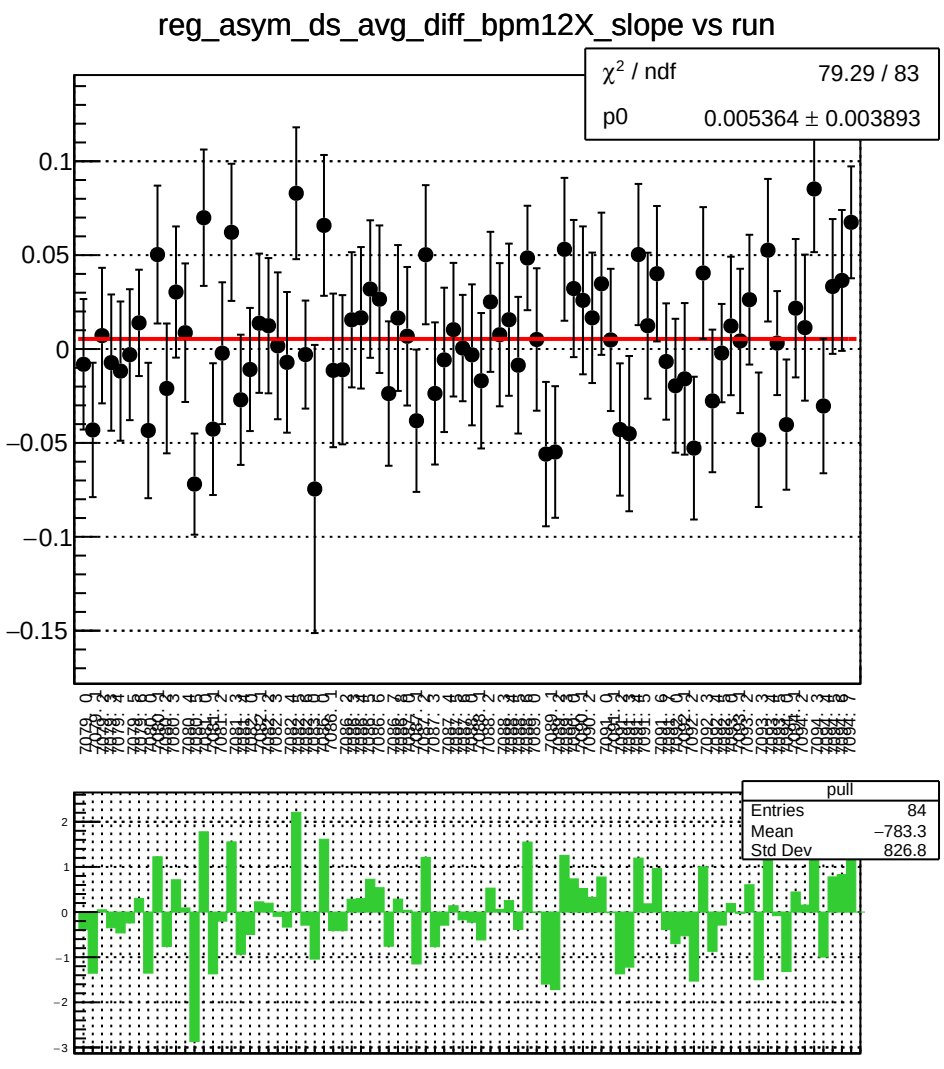

pull1D
Entries 84
Mean 0.01289
Std Dev 1.177

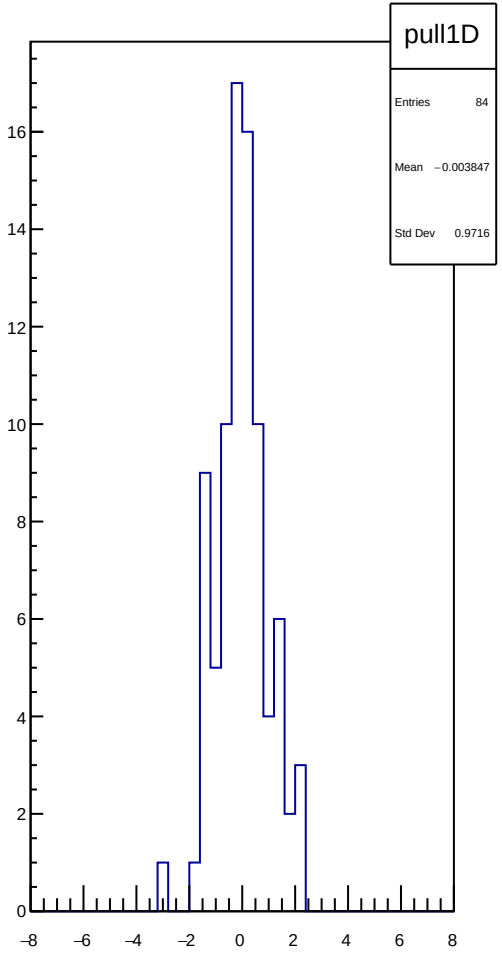

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 99.98 / 83
p0 −0.1374 ± 0.09828
pull
Entries 84
Mean 116.5
Std Dev 93.22

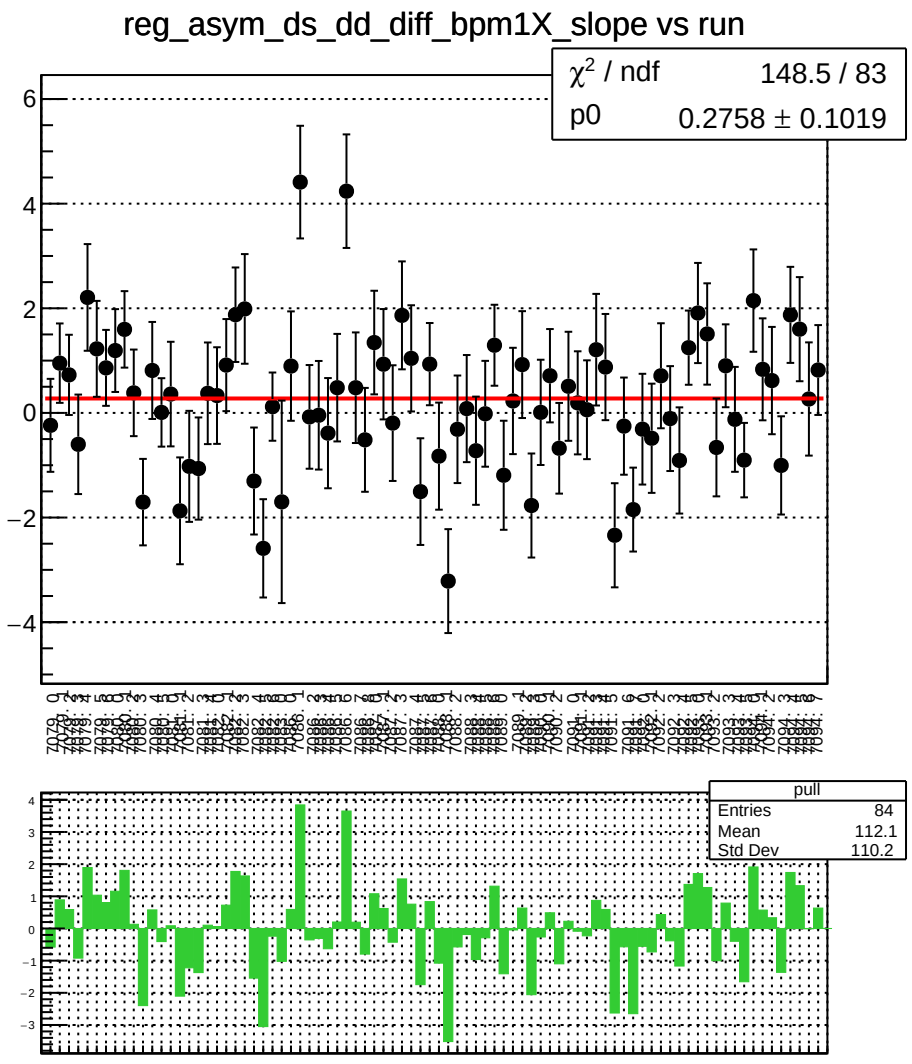

pull1D
Entries 84
Mean −0.02584
Std Dev 1.091

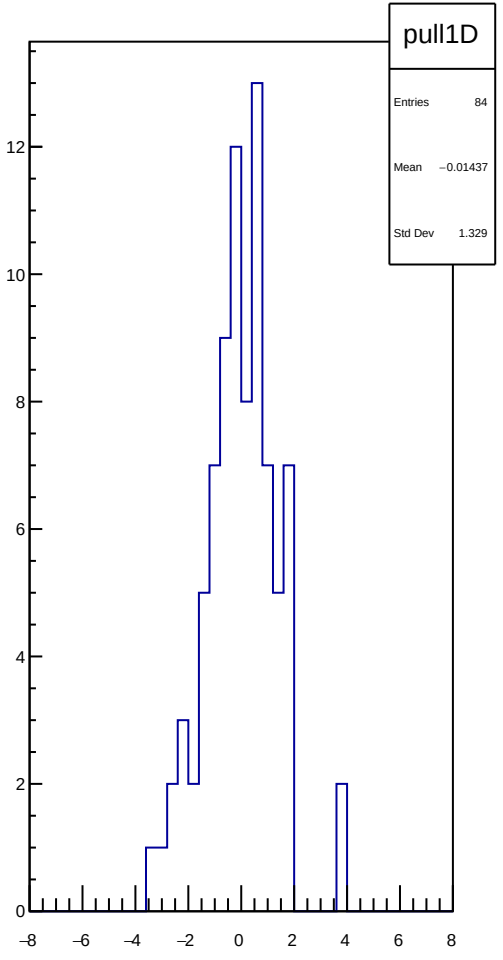

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 117.7 / 83
p0 0.1419 ± 0.08154
pull
Entries 84
Mean −387.9
Std Dev 412.3

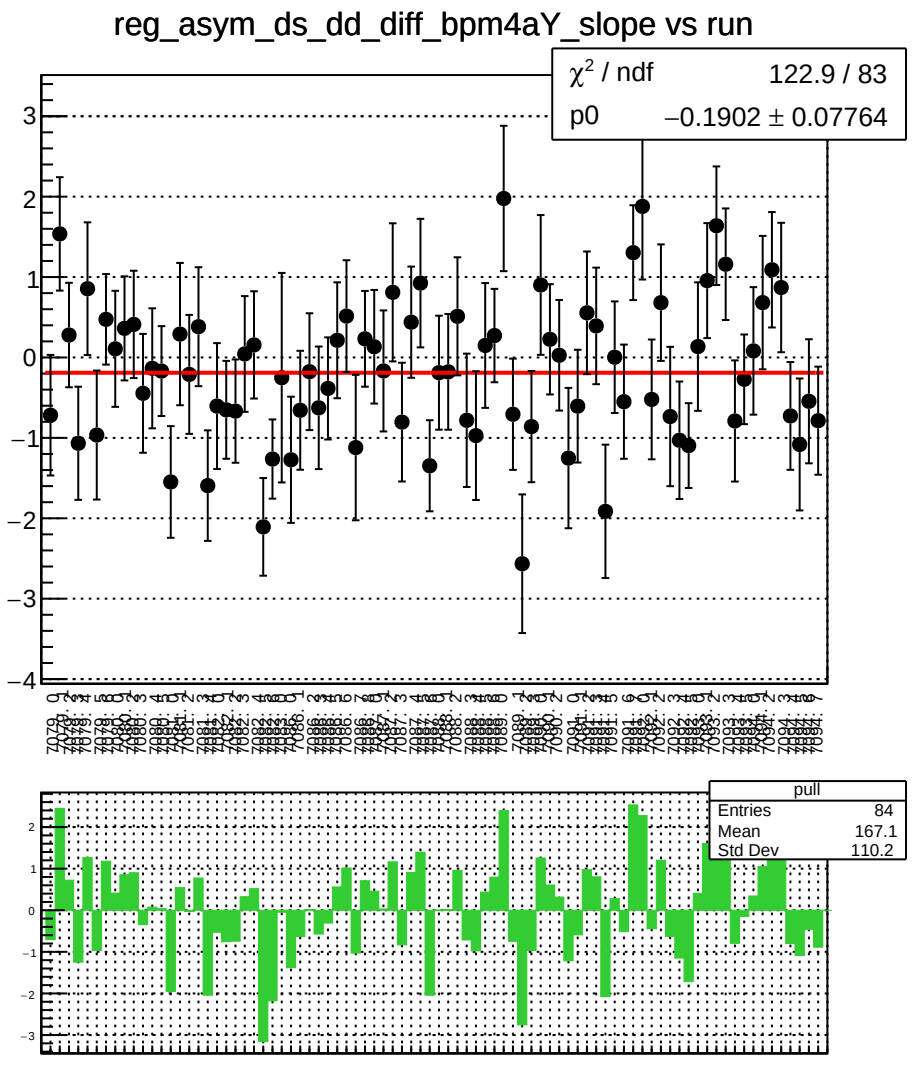

pull1D
Entries 84
Mean −0.01053
Std Dev 1.184

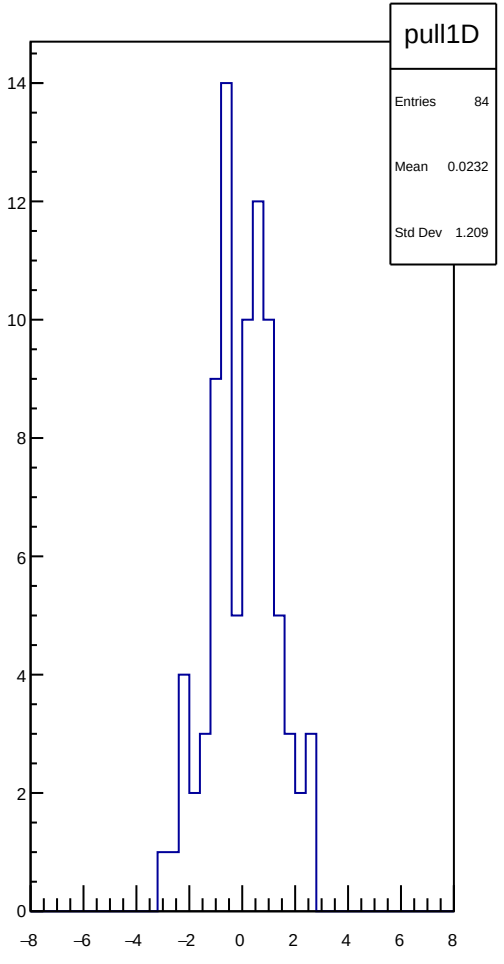

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 79.29 / 83
p0 0.005364 ± 0.003893
pull
Entries 84
Mean −783.3
Std Dev 826.8

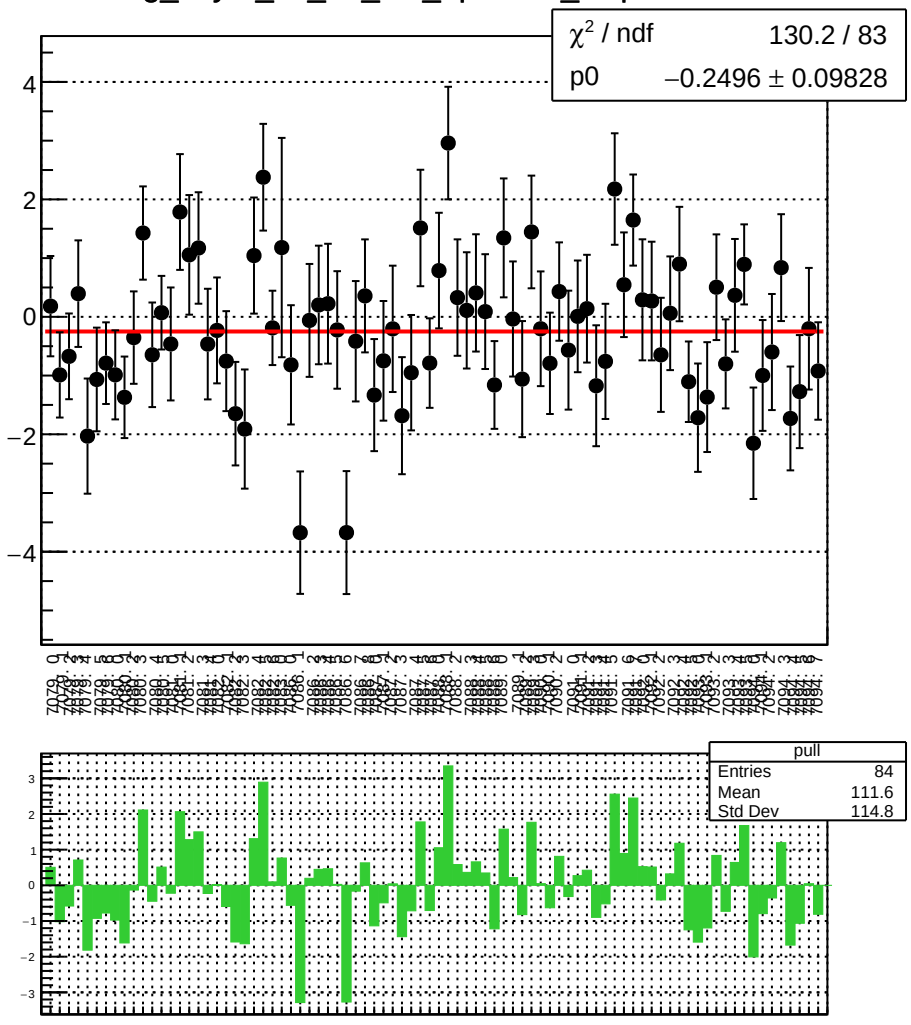

pull1D
Entries 84
Mean −0.003847
Std Dev 0.9716

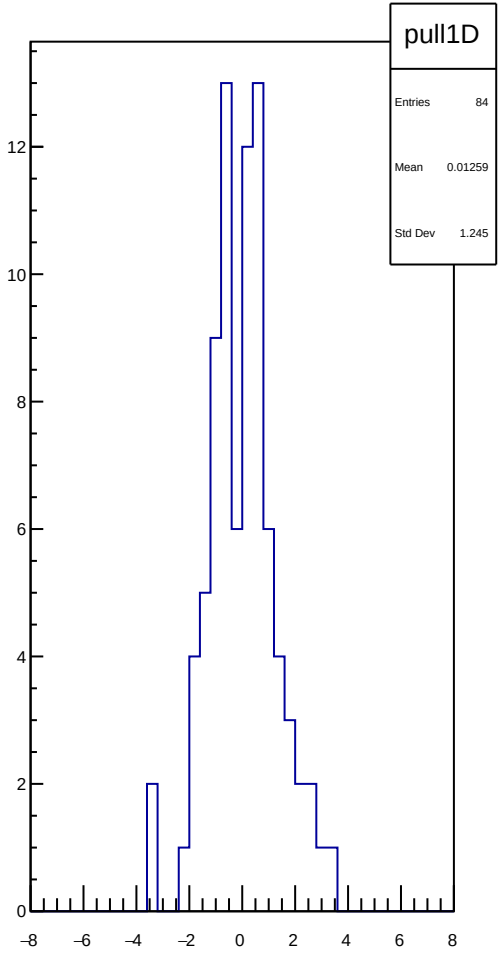

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 148.5 / 83
p0 0.2758 ± 0.1019
pull
Entries 84
Mean 112.1
Std Dev 110.2

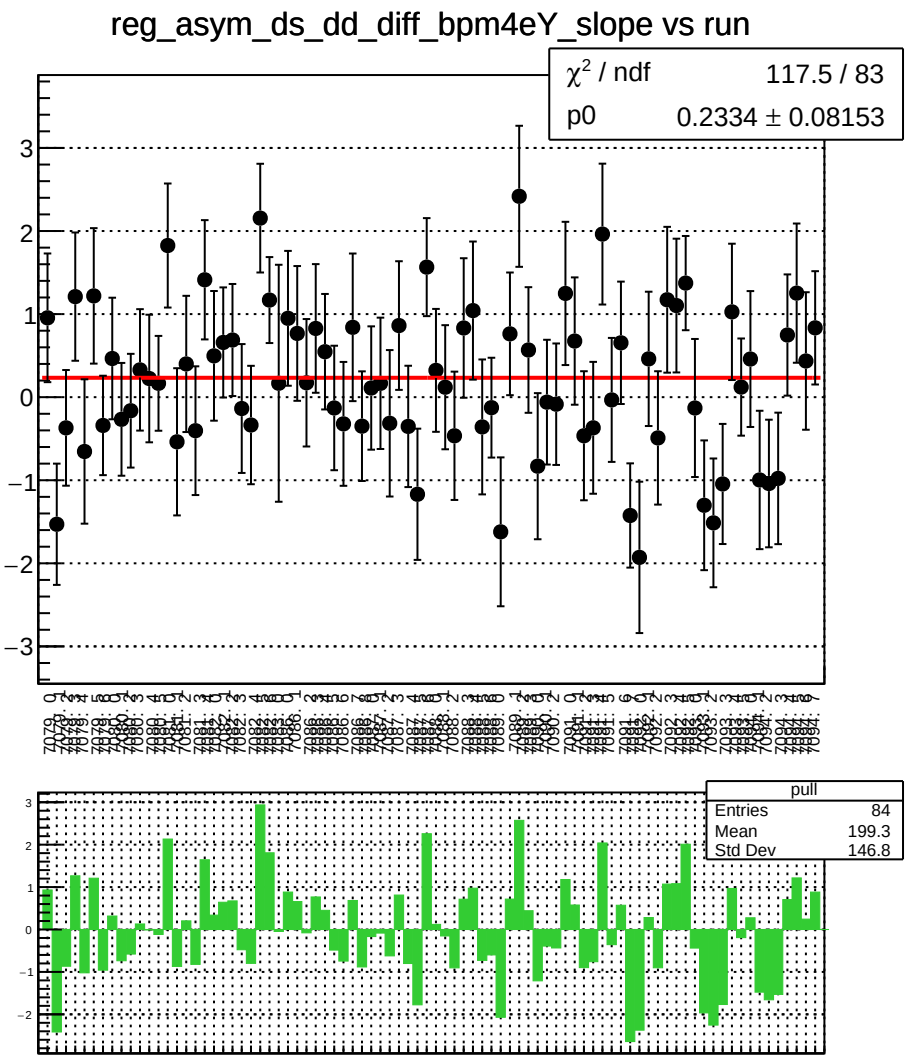

pull1D
Entries 84
Mean −0.01437
Std Dev 1.329

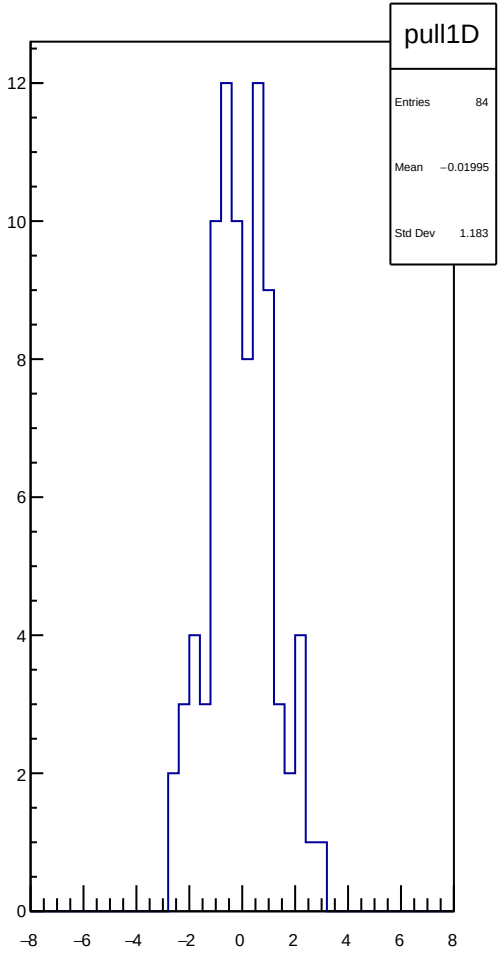

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 122.9 / 83
p0 −0.1902 ± 0.07764
pull
Entries 84
Mean 167.1
Std Dev 110.2

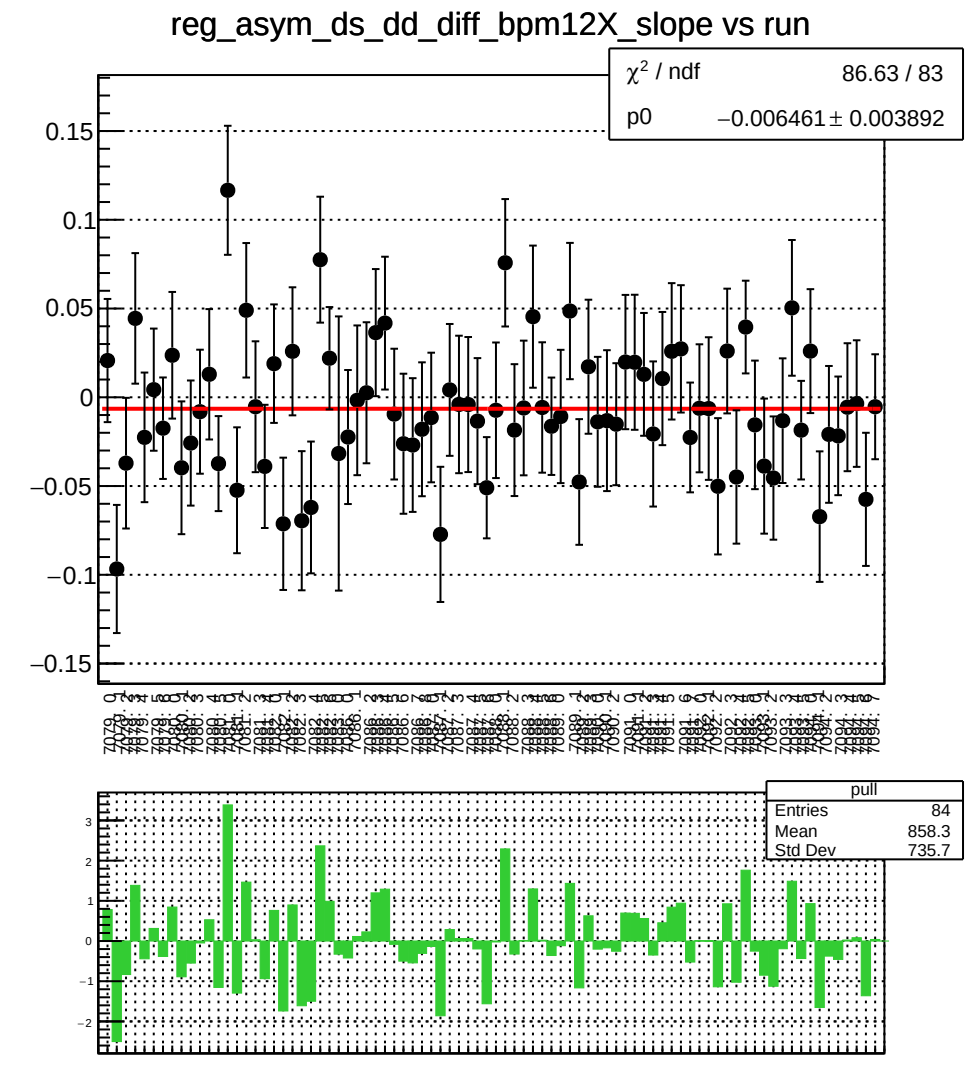

pull1D
Entries 84
Mean 0.0232
Std Dev 1.209

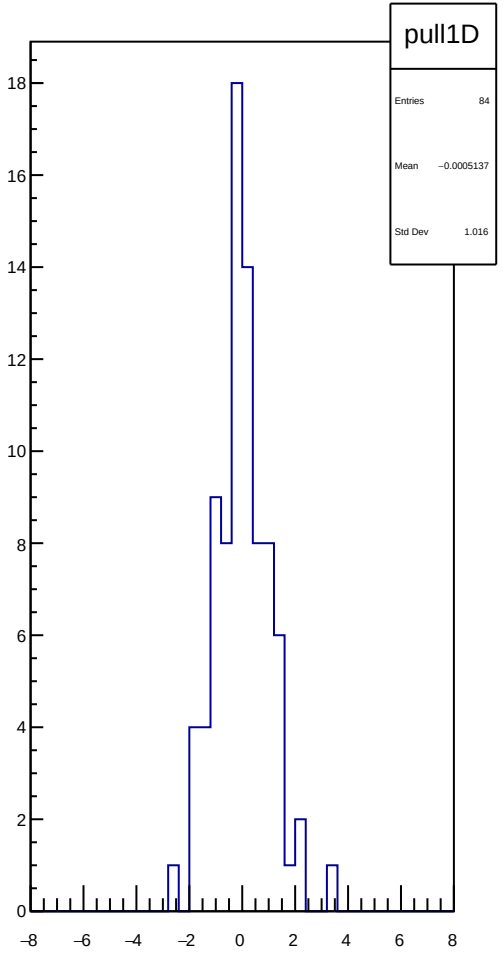

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 130.2 / 83
p0 −0.2496 ± 0.09828
pull
Entries 84
Mean 111.6
Std Dev 114.8

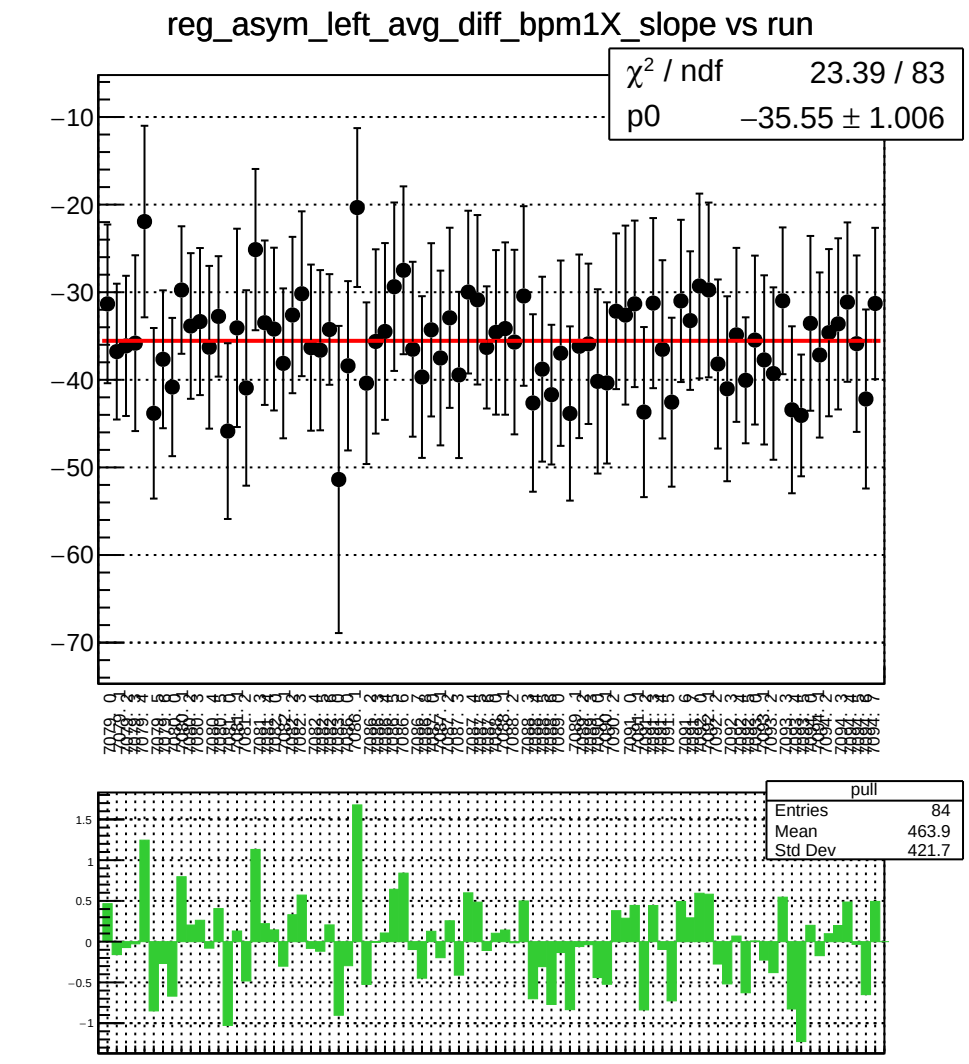

pull1D
Entries 84
Mean 0.01259
Std Dev 1.245

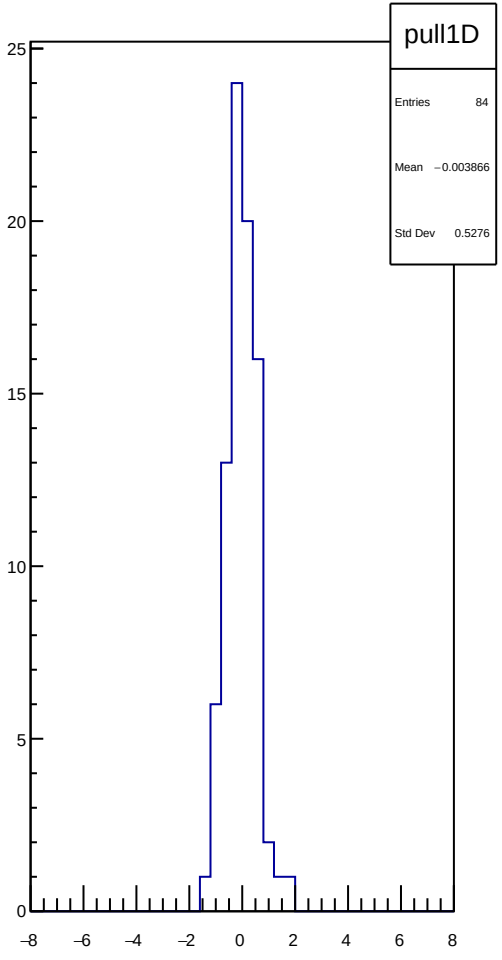

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 117.5 / 83
p0 0.2334 ± 0.08153
pull
Entries 84
Mean 199.3
Std Dev 146.8

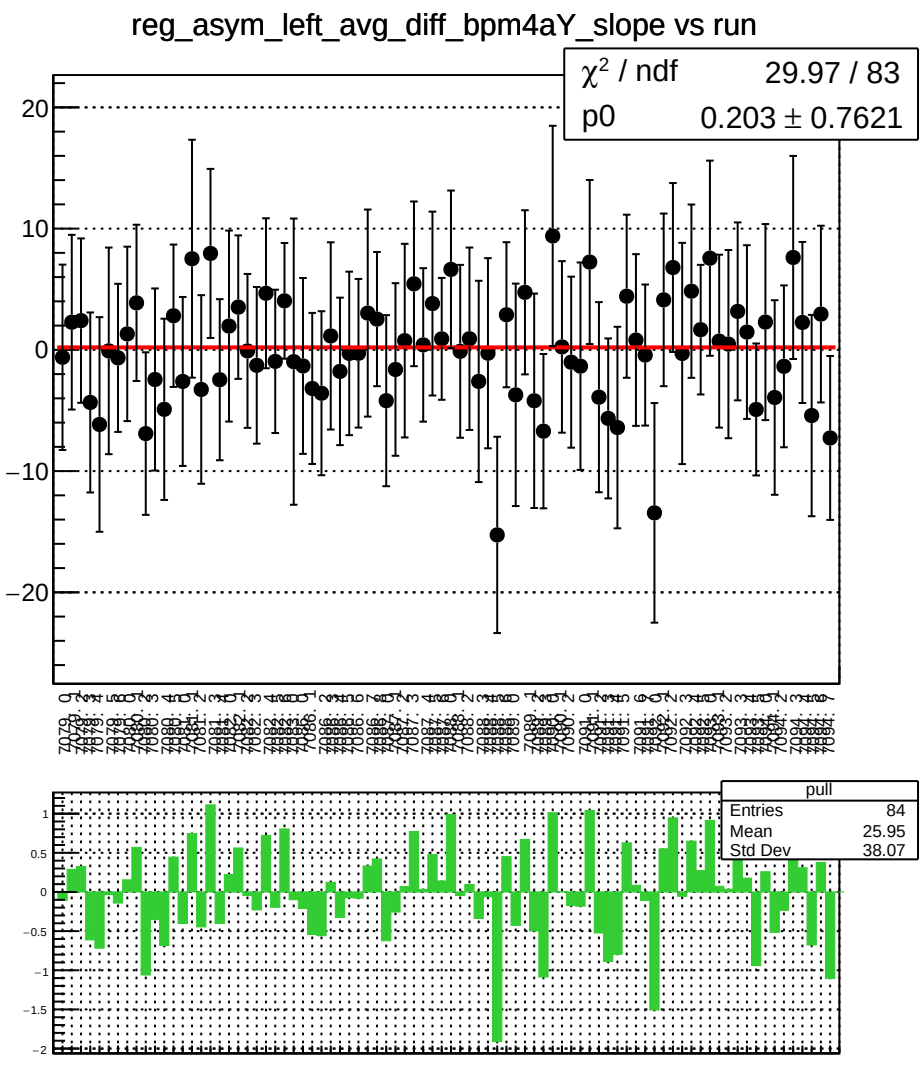

pull1D
Entries 84
Mean −0.01995
Std Dev 1.183

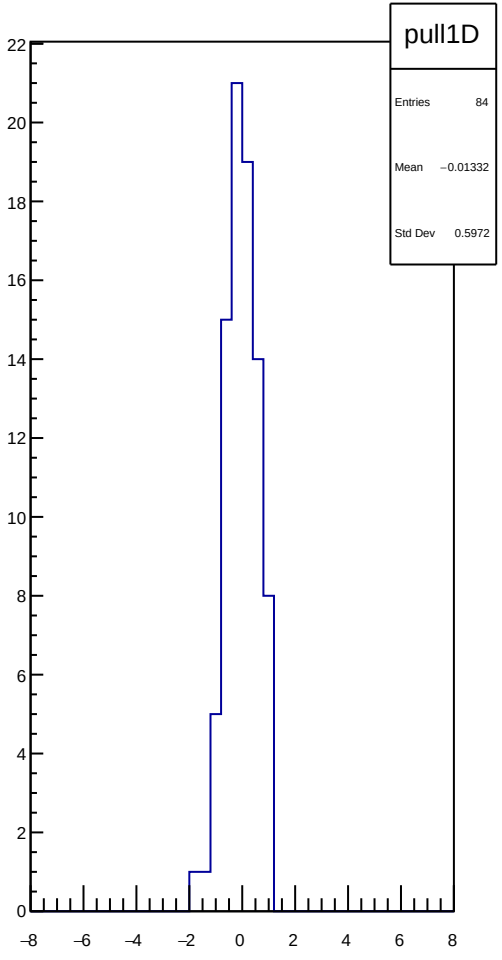

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 86.63 / 83
p0 −0.006461 ± 0.003892
pull
Entries 84
Mean 858.3
Std Dev 735.7

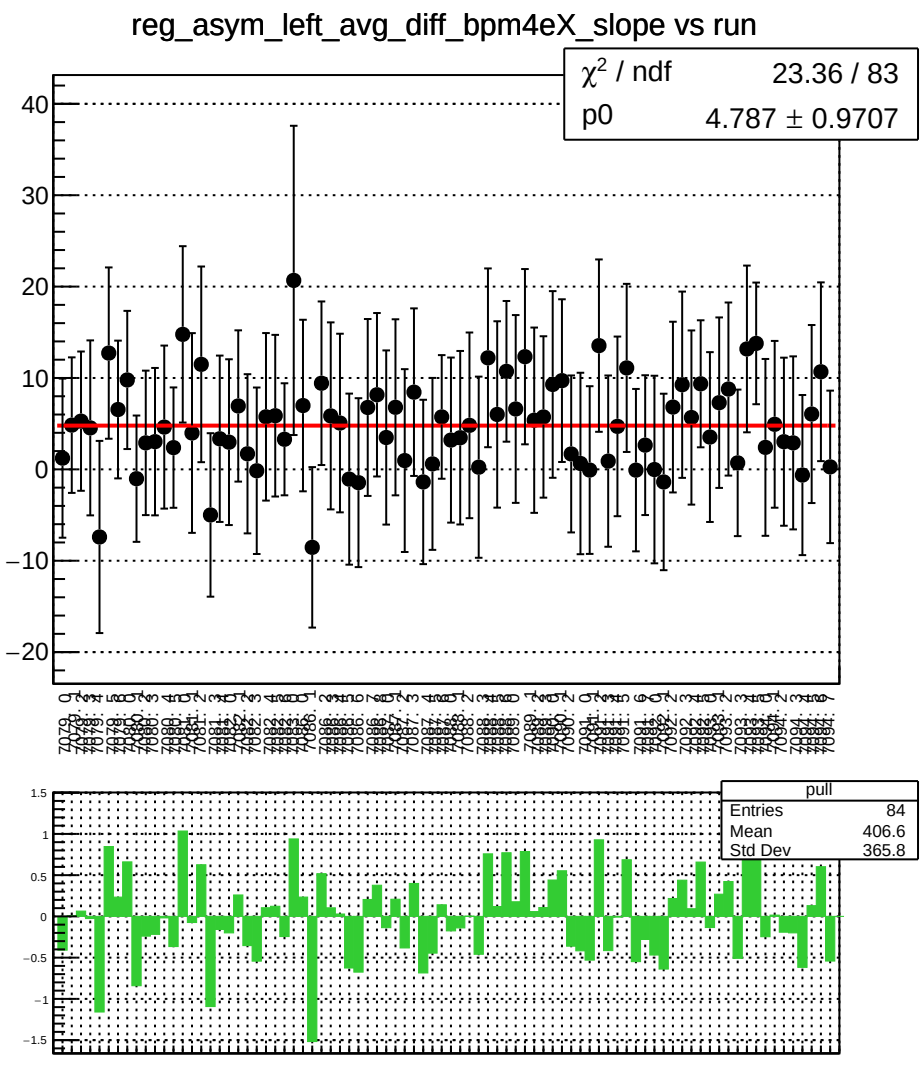

pull1D
Entries 84
Mean −0.0005137
Std Dev 1.016

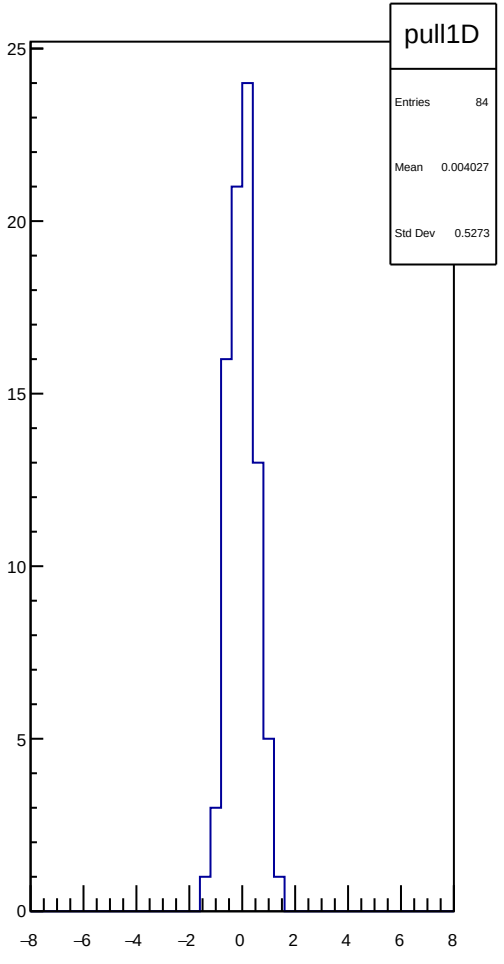

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 23.39 / 83
p0 −35.55 ± 1.006
pull
Entries 84
Mean 463.9
Std Dev 421.7

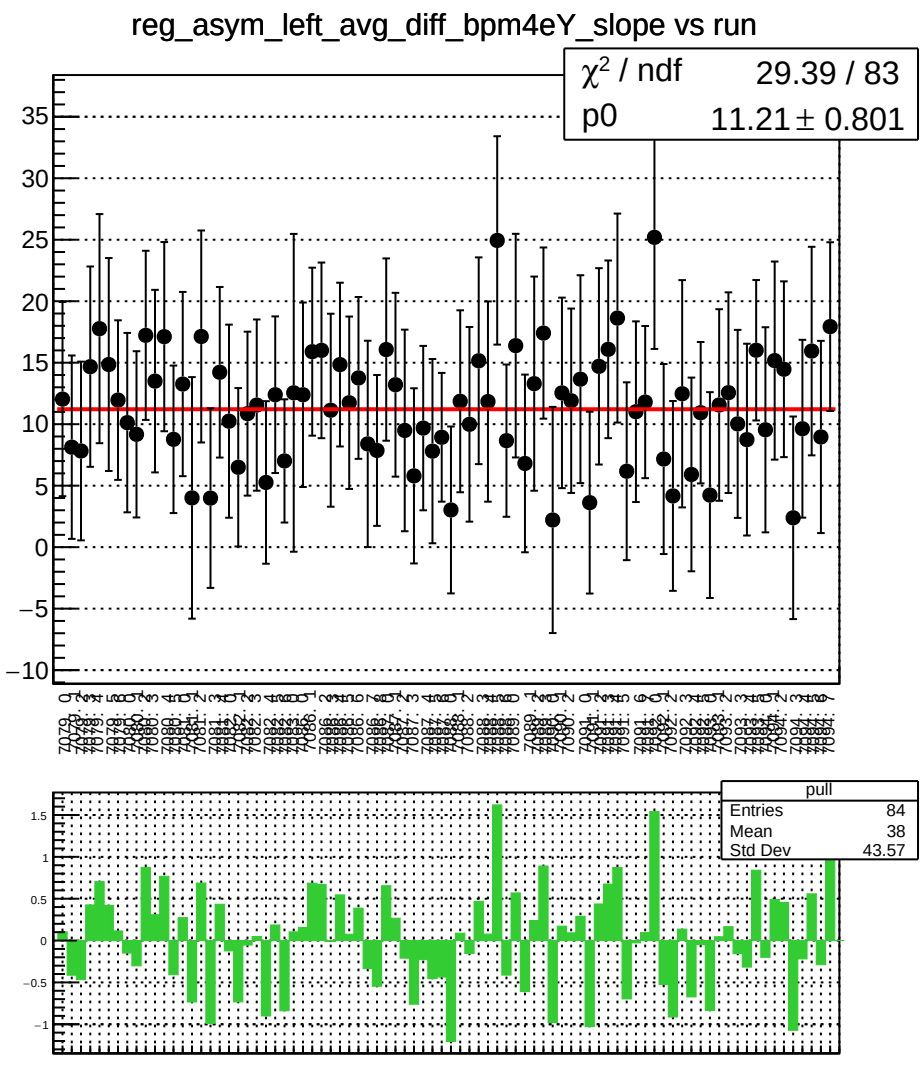

pull1D
Entries 84
Mean −0.003866
Std Dev 0.5276

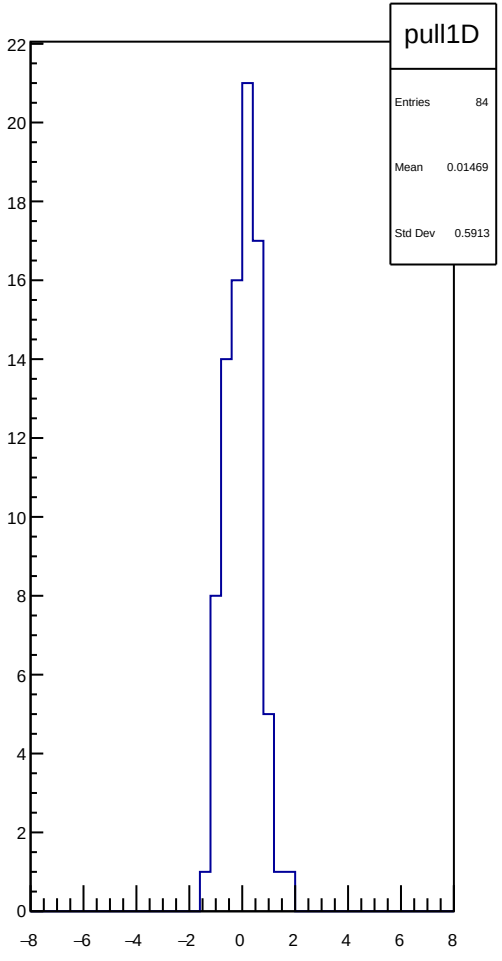

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 29.97 / 83
p0 0.203 ± 0.7621
pull
Entries 84
Mean 25.95
Std Dev 38.07

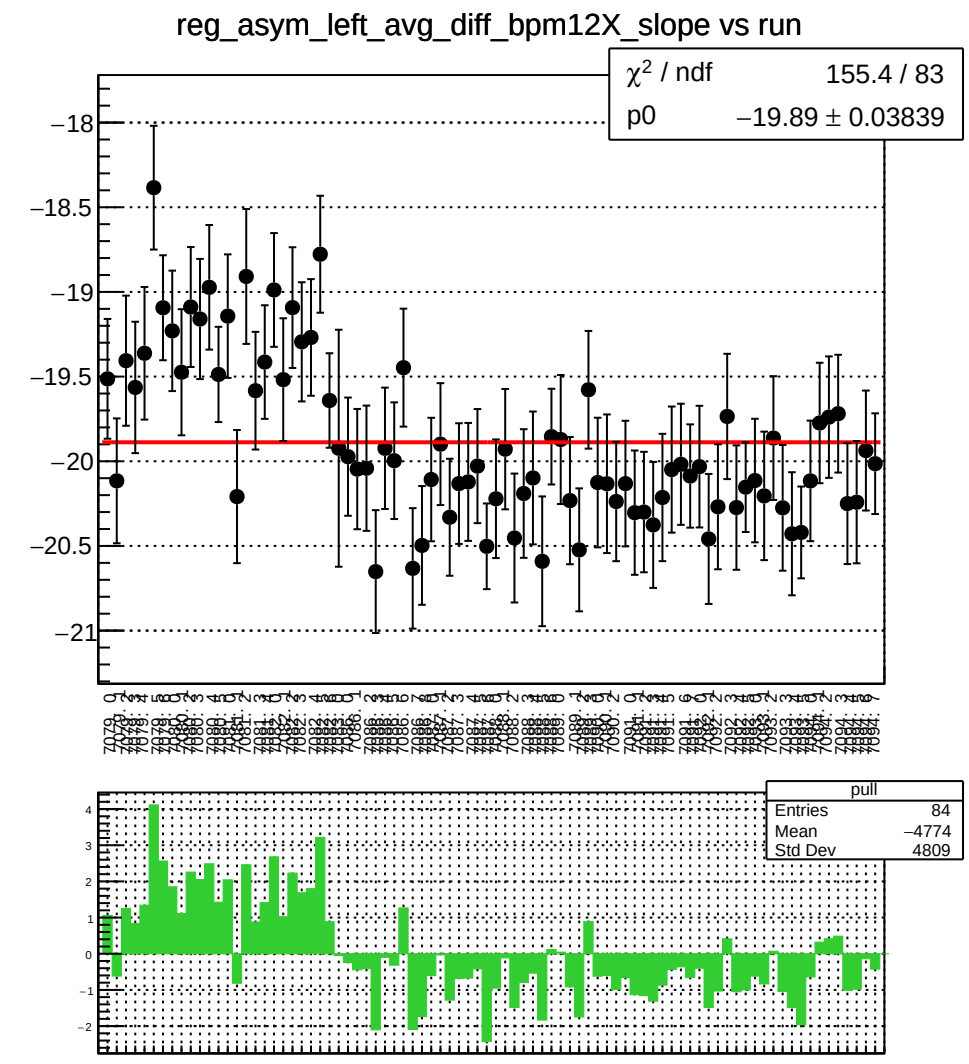

pull1D
Entries 84
Mean −0.01332
Std Dev 0.5972

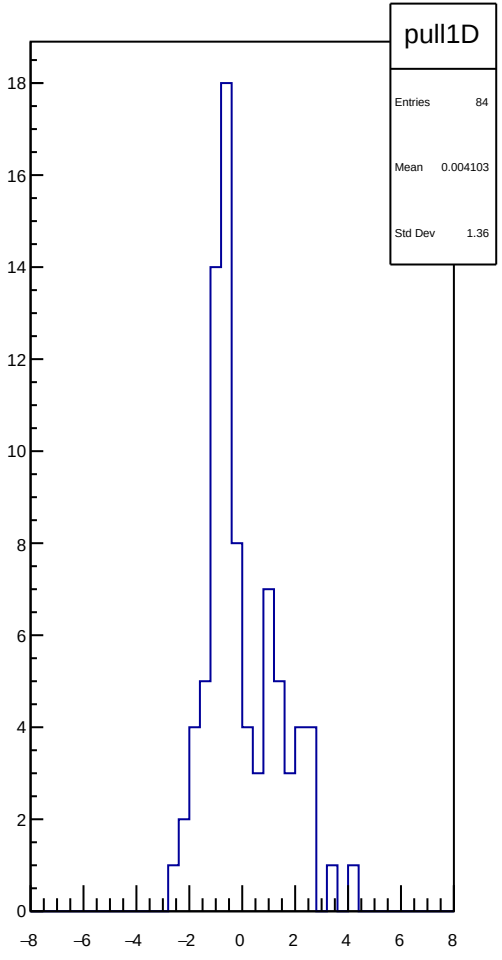

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 23.36 / 83
p0 4.787 ± 0.9707
pull
Entries 84
Mean 406.6
Std Dev 365.8

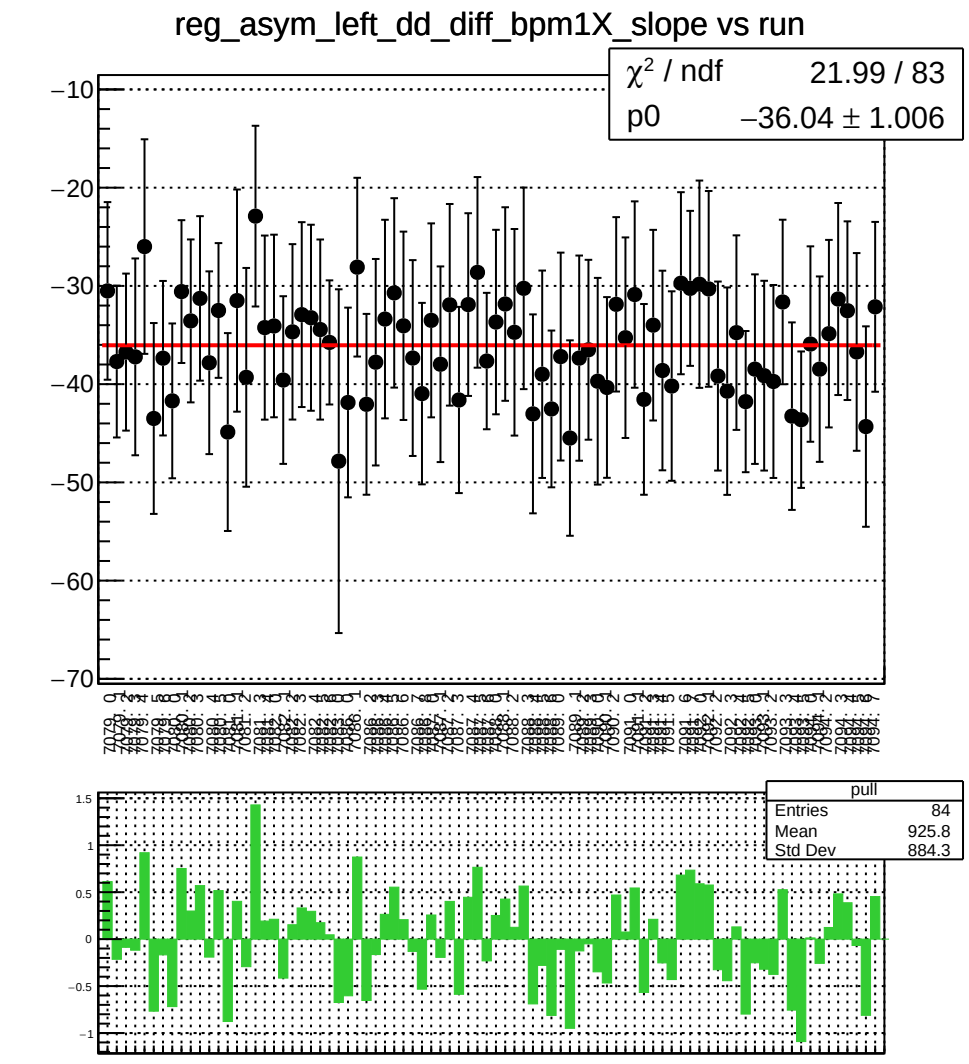

pull1D
Entries 84
Mean 0.004027
Std Dev 0.5273

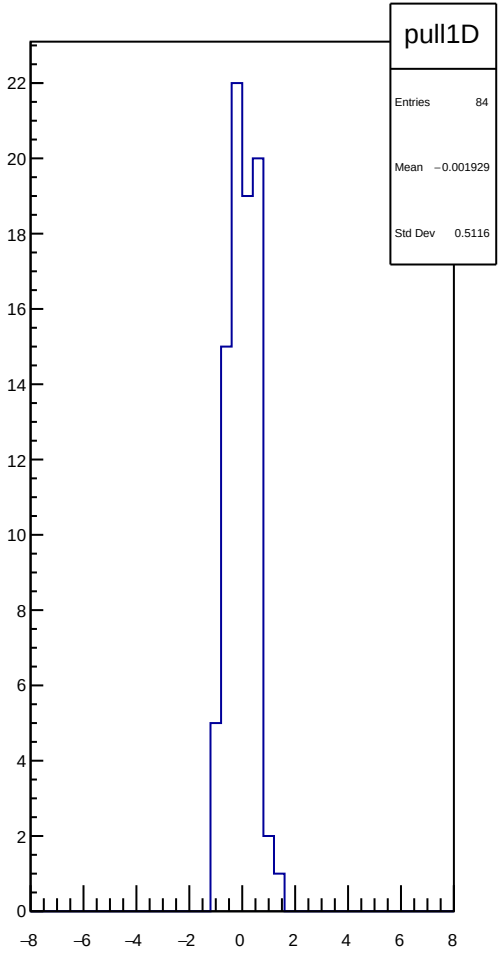

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 29.39 / 83
p0 11.21 ± 0.801
pull
Entries 84
Mean 38
Std Dev 43.57

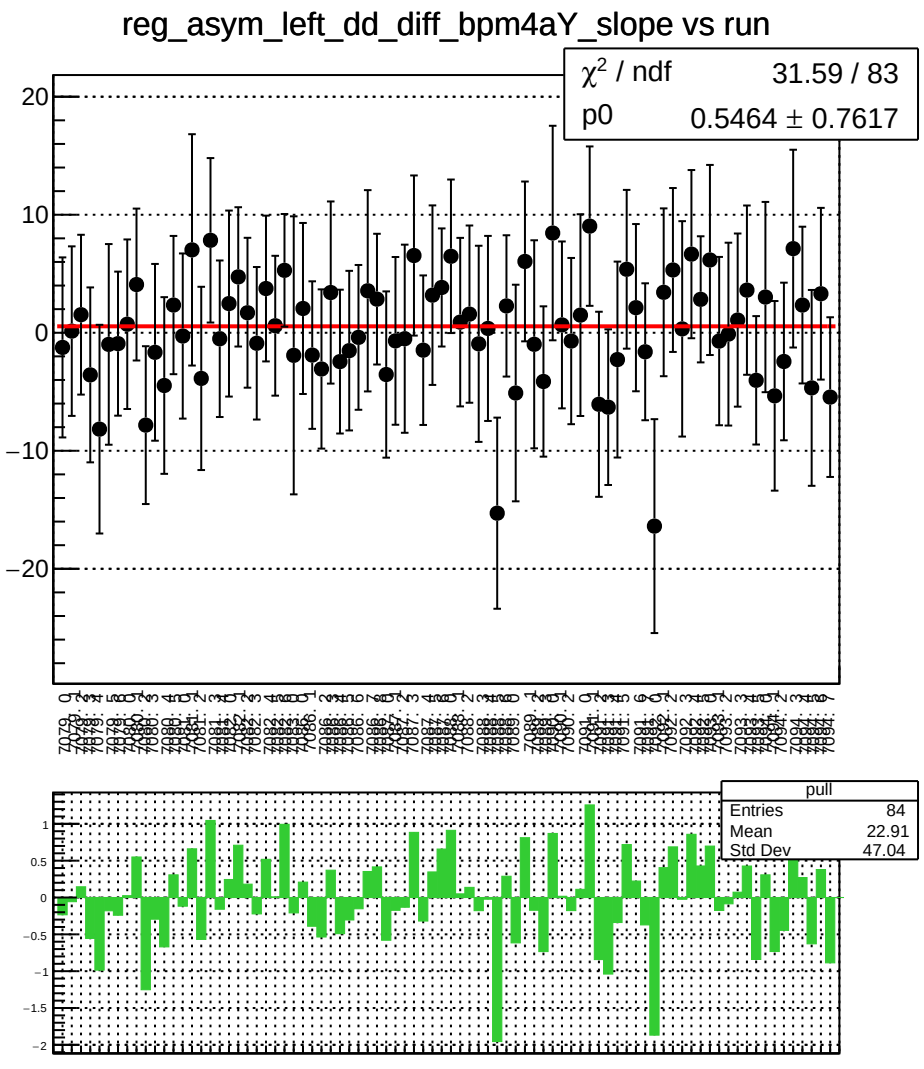

pull1D
Entries 84
Mean 0.01469
Std Dev 0.5913

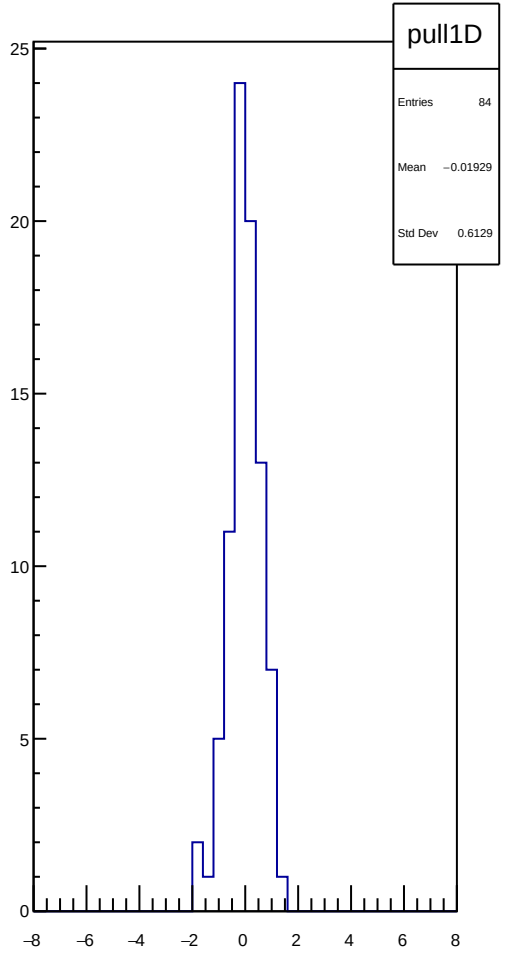

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 155.4 / 83
p0 −19.89 ± 0.03839
pull
Entries 84
Mean −4774
Std Dev 4809

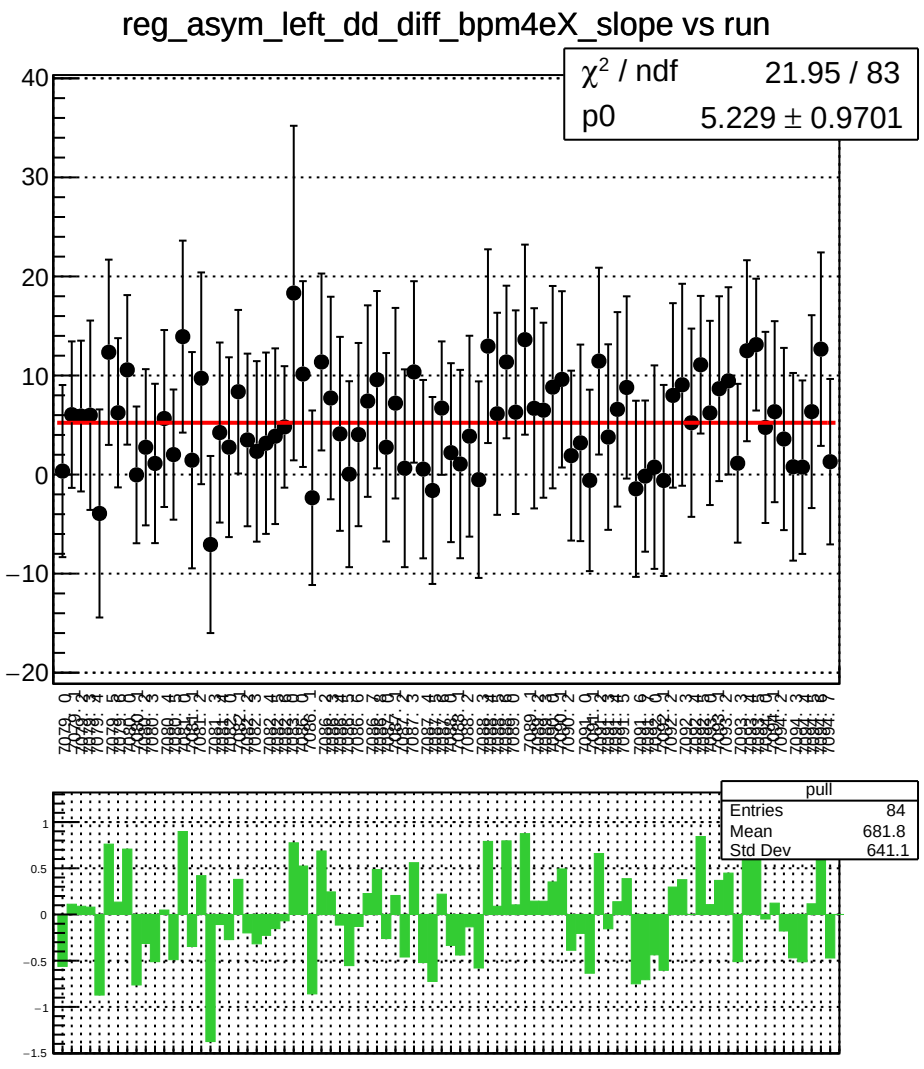

pull1D
Entries 84
Mean 0.004103
Std Dev 1.36

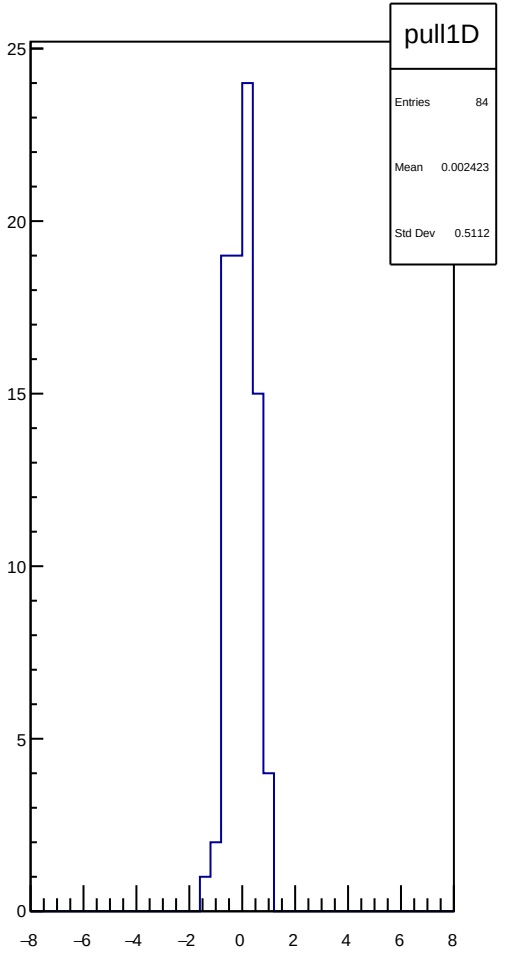

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 21.99 / 83
p0 −36.04 ± 1.006
pull
Entries 84
Mean 925.8
Std Dev 884.3

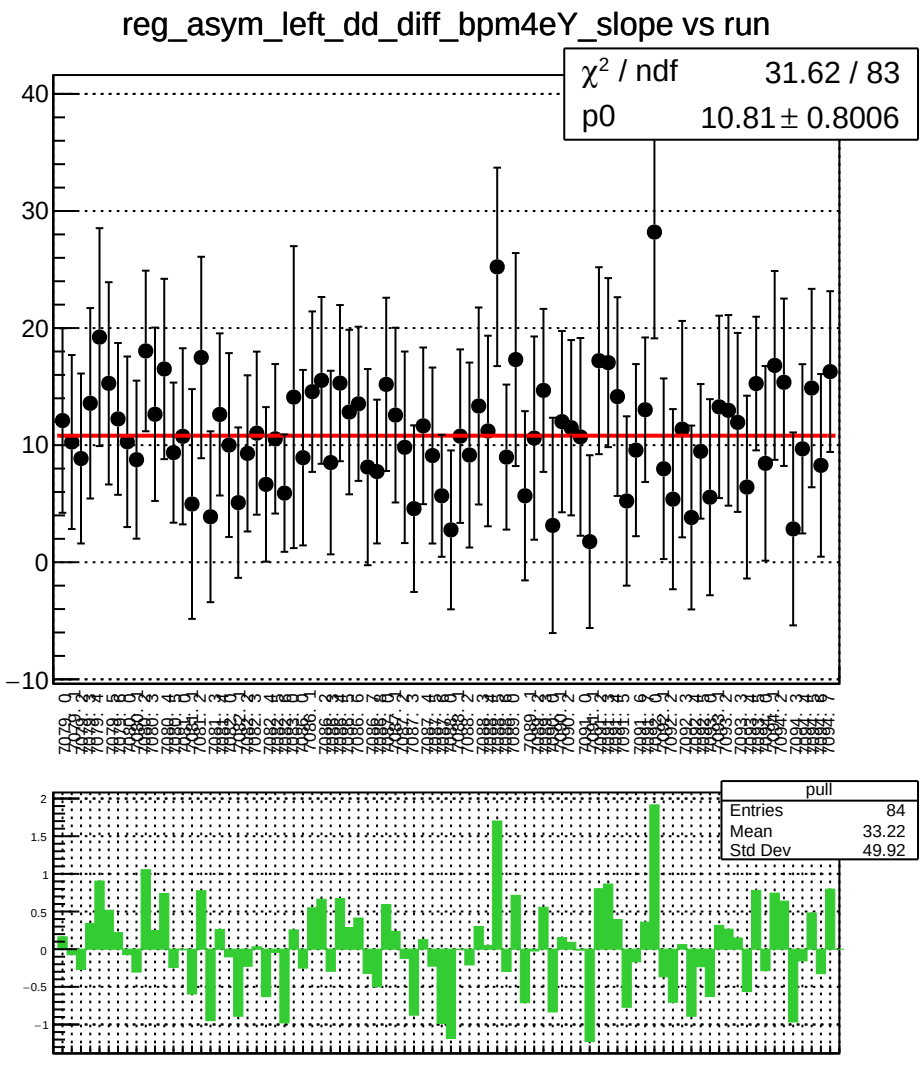

pull1D
Entries 84
Mean −0.001929
Std Dev 0.5116

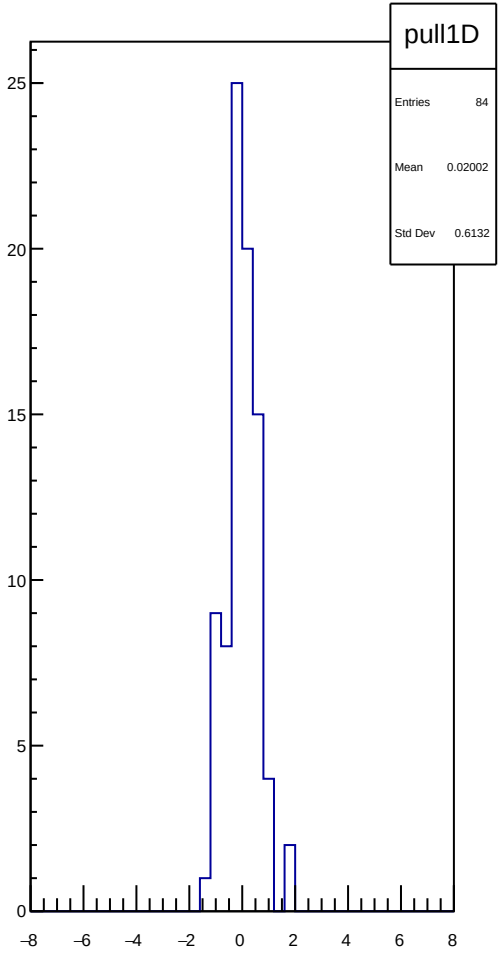

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.59 / 83
p0 0.5464 ± 0.7617
pull
Entries 84
Mean 22.91
Std Dev 47.04

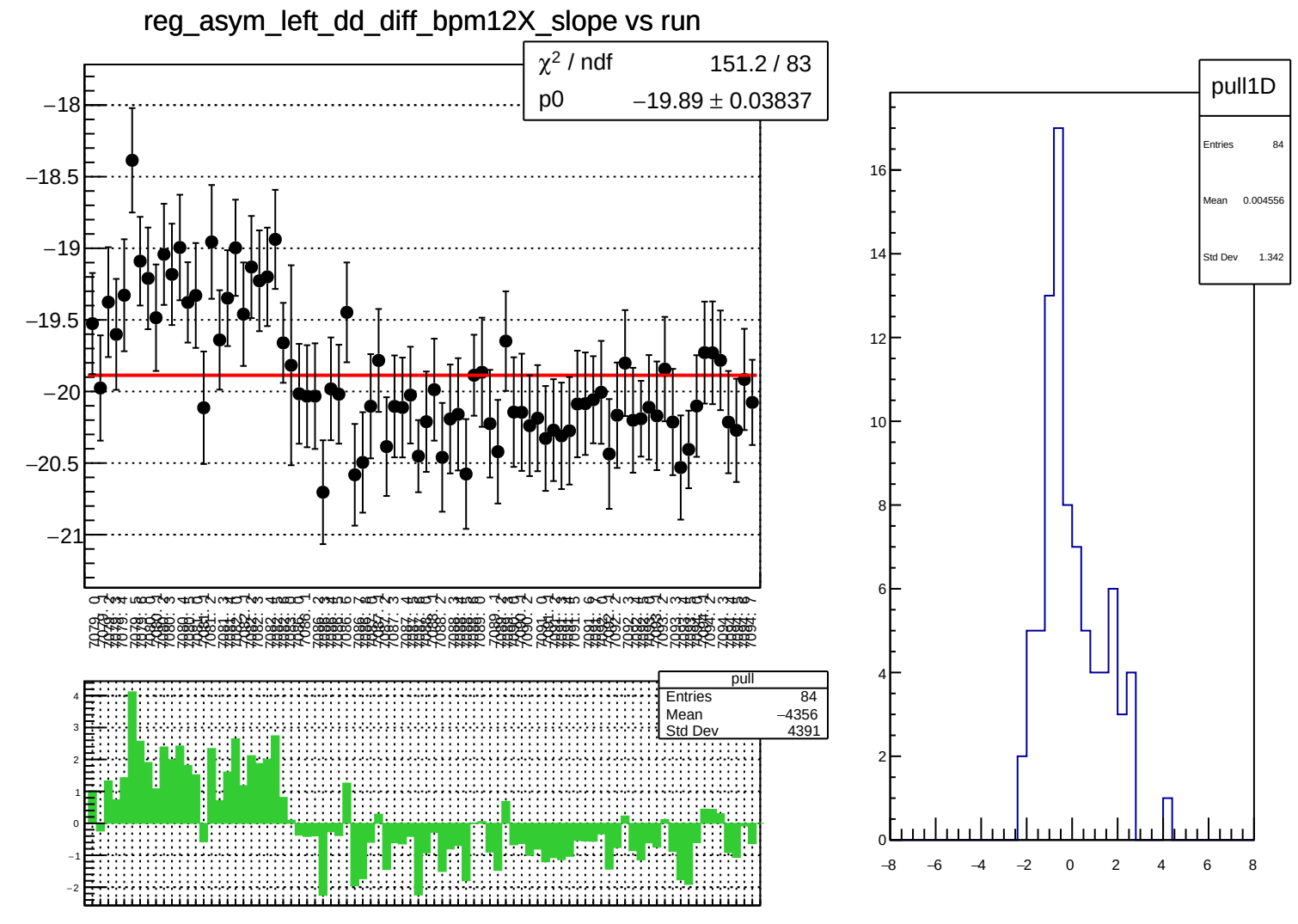

pull1D
Entries 84
Mean −0.01929
Std Dev 0.6129

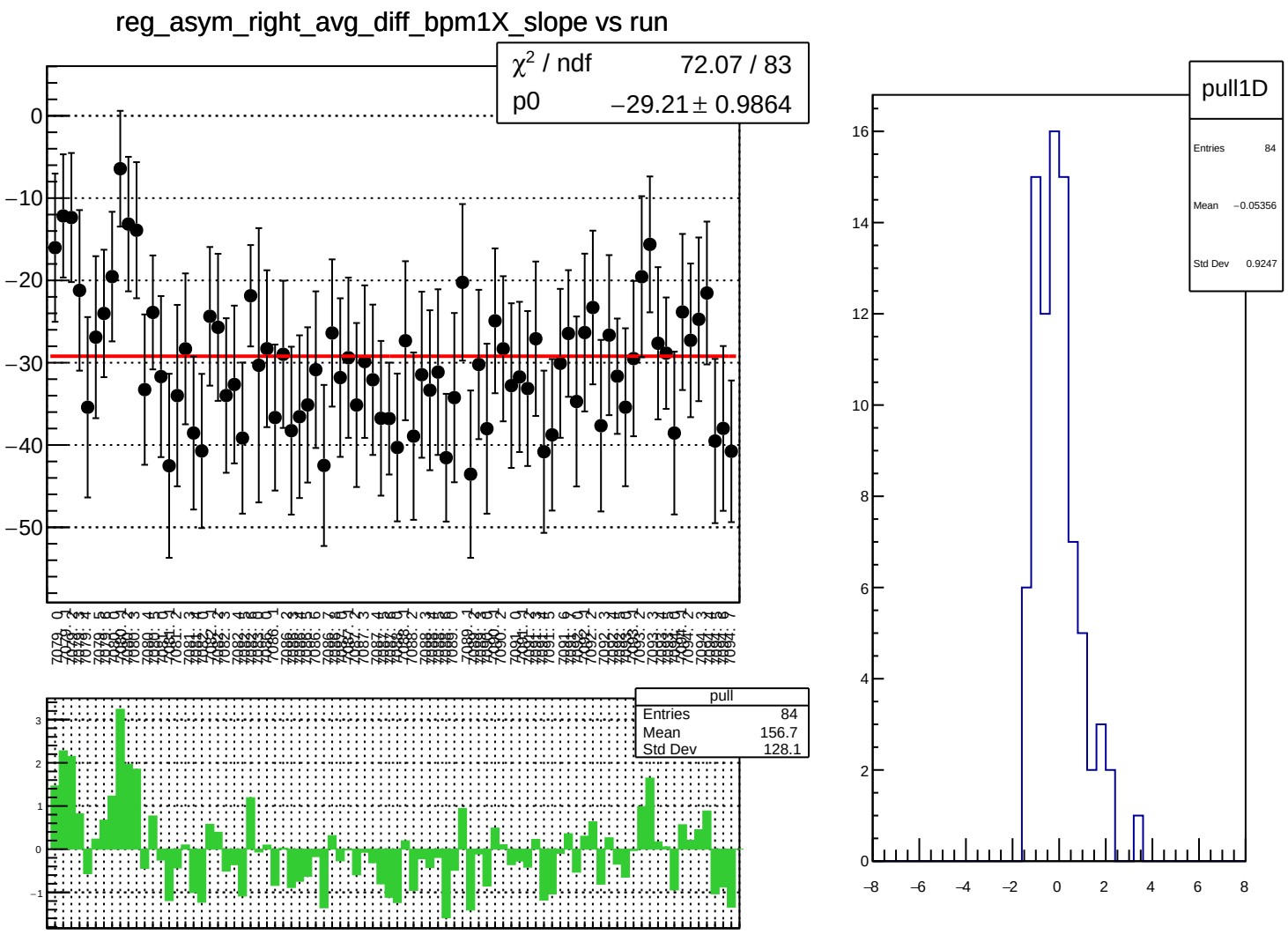

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.95 / 83
p0 5.229 ± 0.9701
pull
Entries 84
Mean 681.8
Std Dev 641.1

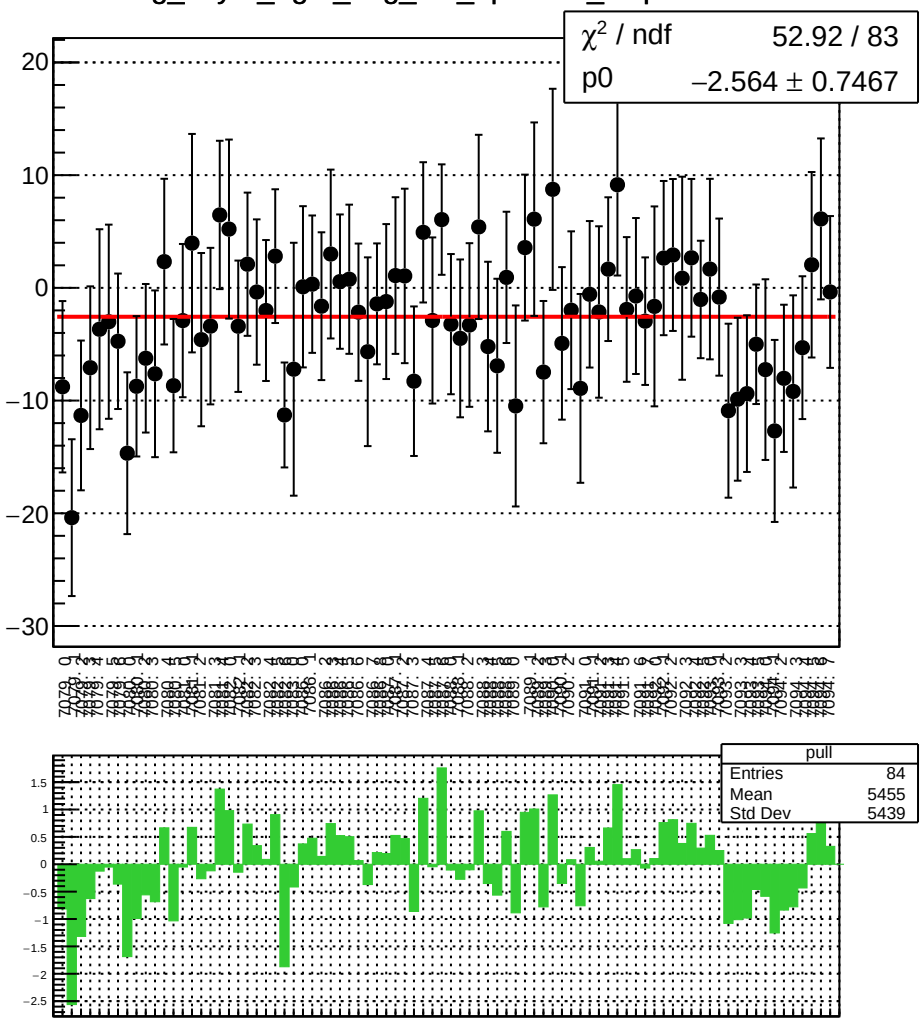

pull1D
Entries 84
Mean 0.002423
Std Dev 0.5112

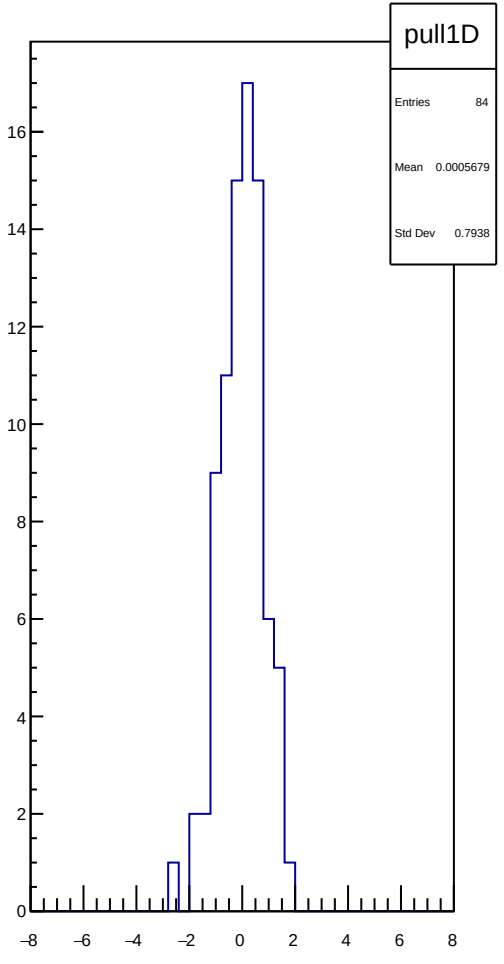

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.62 / 83
p0 10.81 ± 0.8006
pull
Entries 84
Mean 33.22
Std Dev 49.92

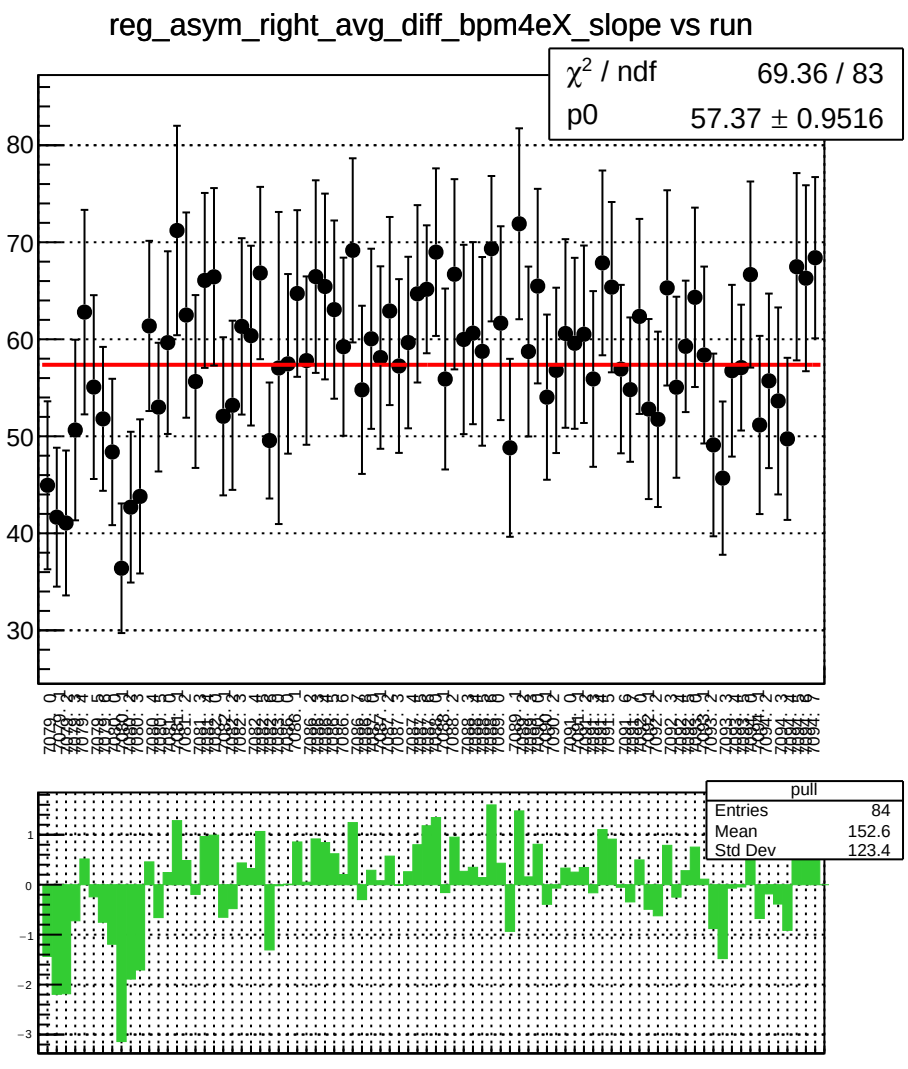

pull1D
Entries 84
Mean 0.02002
Std Dev 0.6132

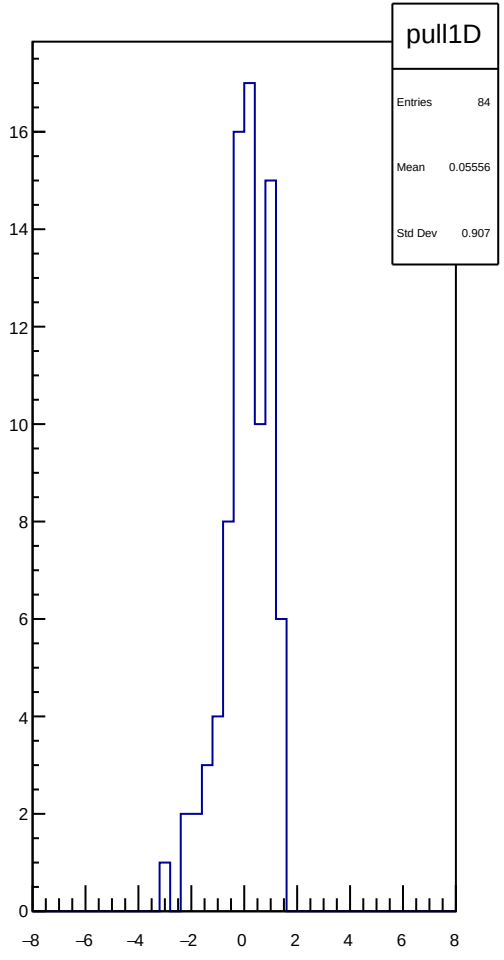

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 151.2 / 83
p0 −19.89 ± 0.03837
−18
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 84
Mean −4356
Std Dev 4391
pull1D
Entries 84
Mean 0.004556
Std Dev 1.342

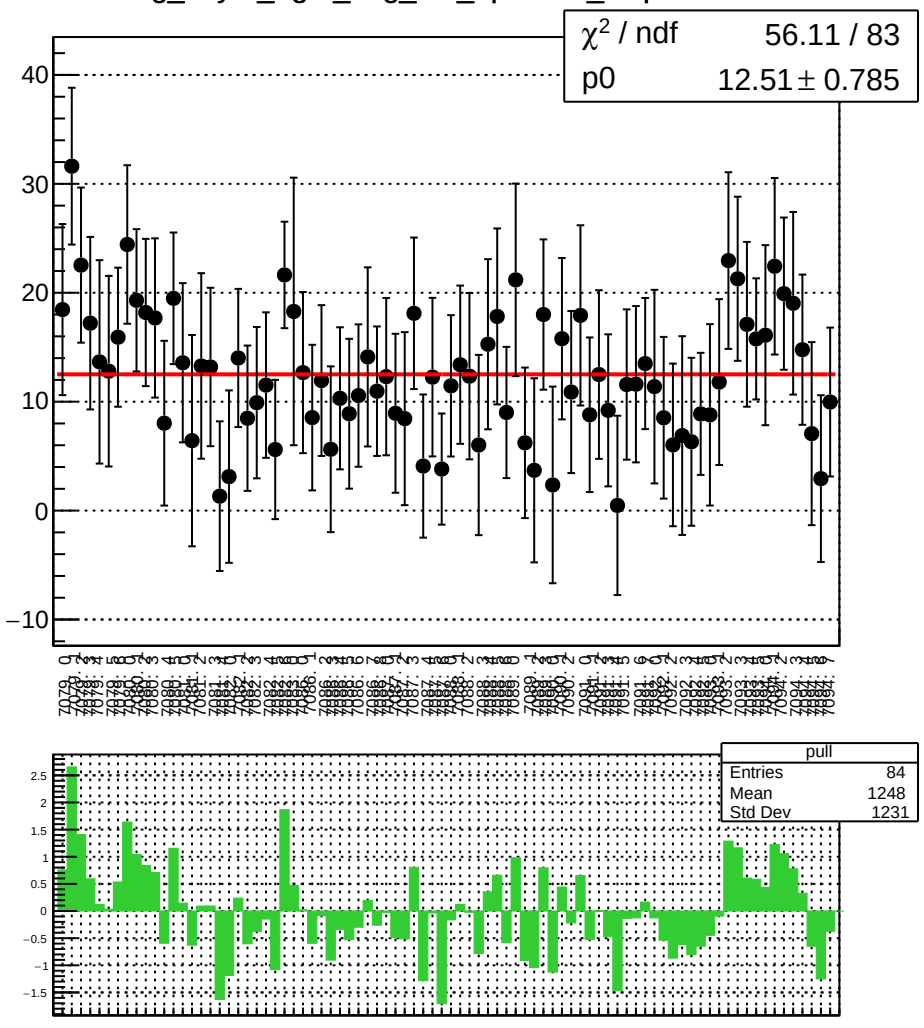

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 72.07 / 83
p0 −29.21 ± 0.9864
pull
Entries 84
Mean 156.7
Std Dev 128.1
pull1D
Entries 84
Mean −0.05356
Std Dev 0.9247

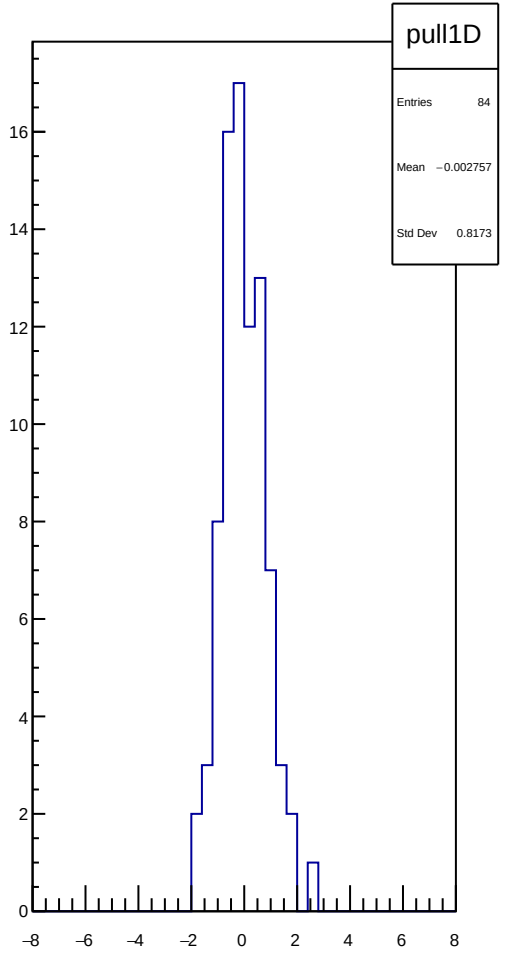

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 52.92 / 83
p0 −2.564 ± 0.7467
pull
Entries 84
Mean 5455
Std Dev 5439

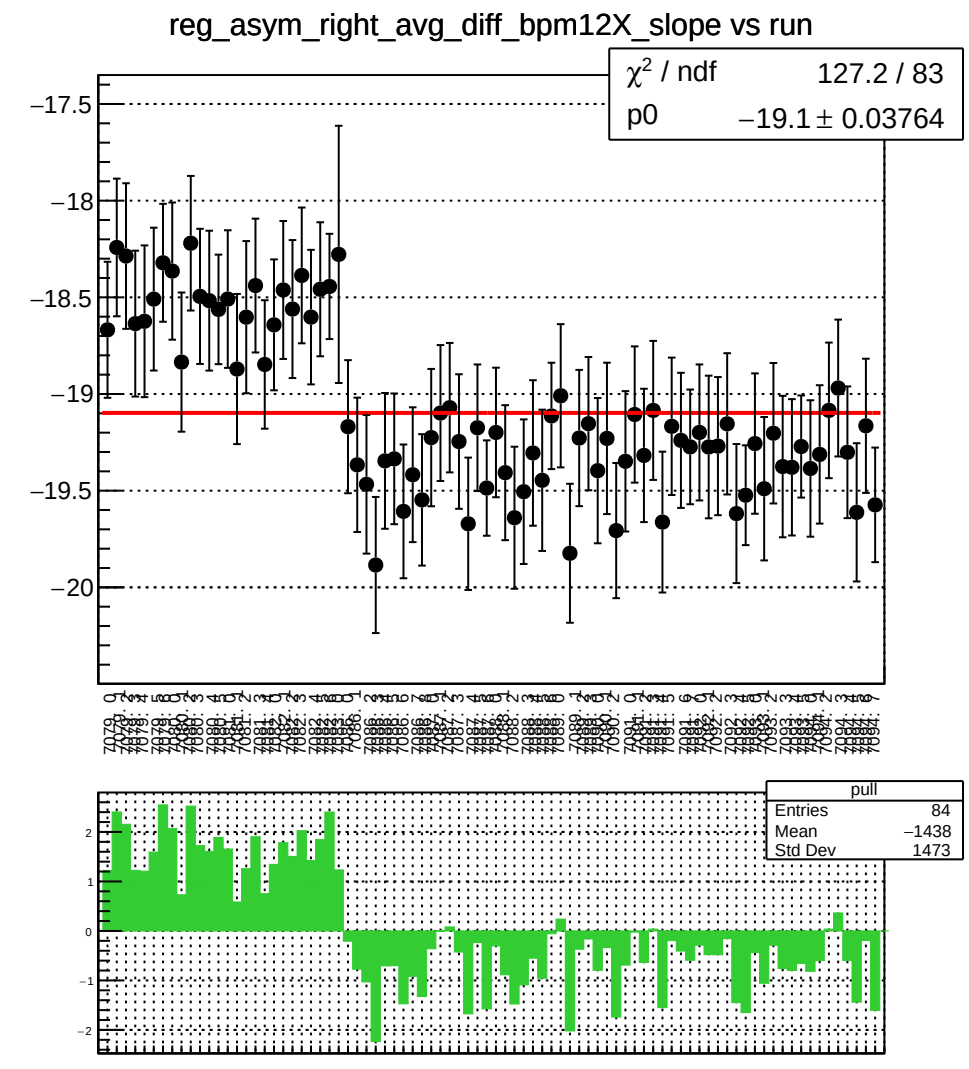

pull1D
Entries 84
Mean 0.0005679
Std Dev 0.7938

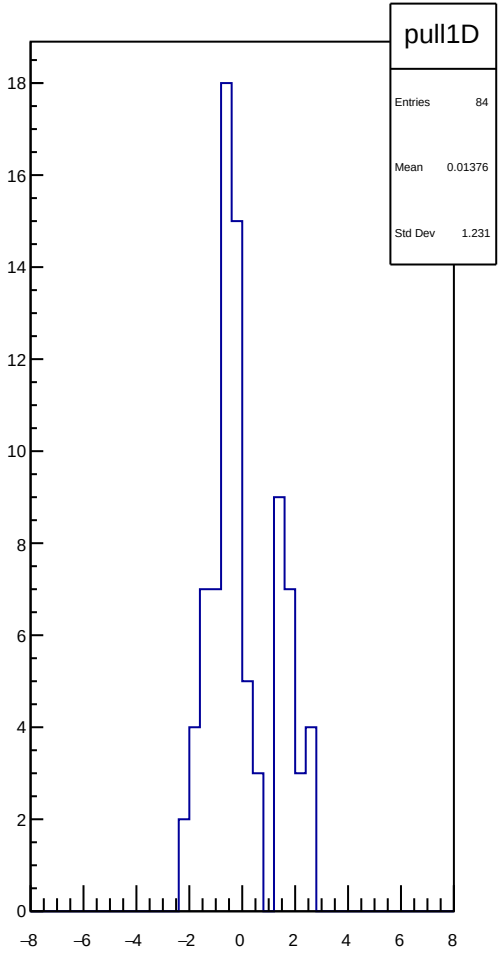

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 69.36 / 83
p0 57.37 ± 0.9516
pull
Entries 84
Mean 152.6
Std Dev 123.4

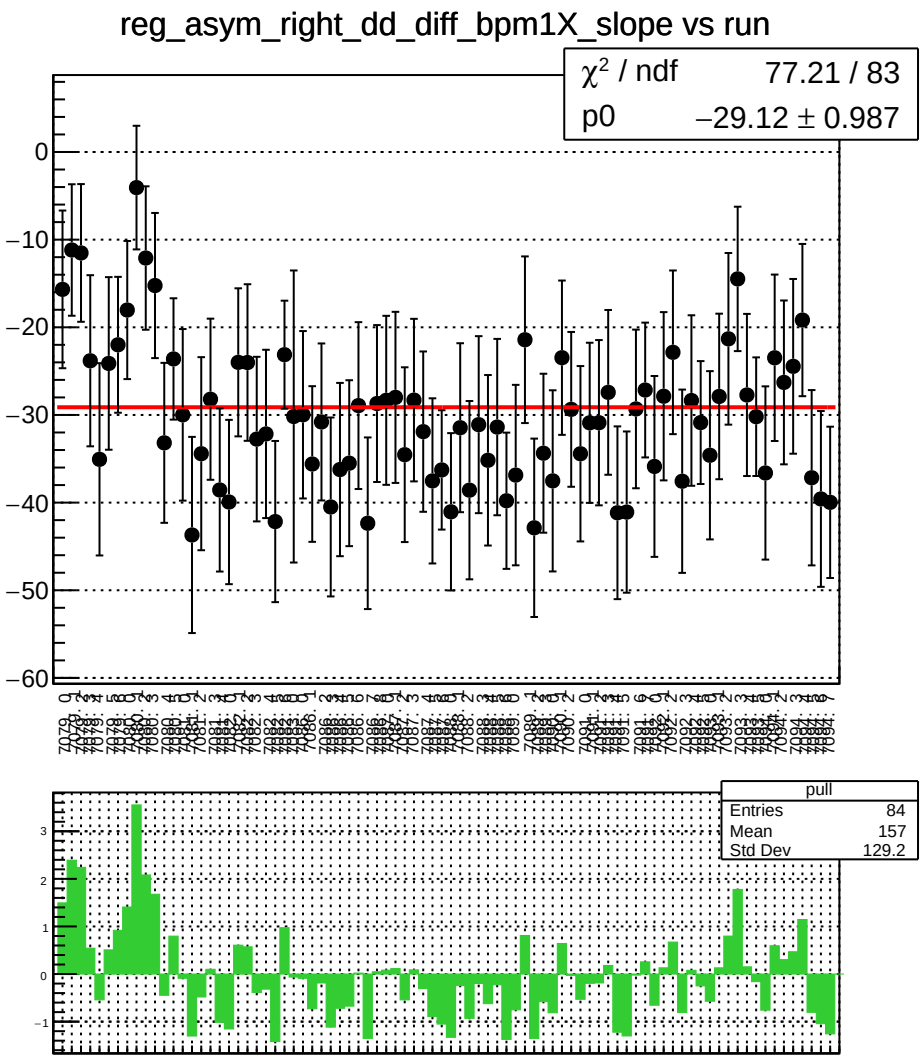

pull1D
Entries 84
Mean 0.05556
Std Dev 0.907

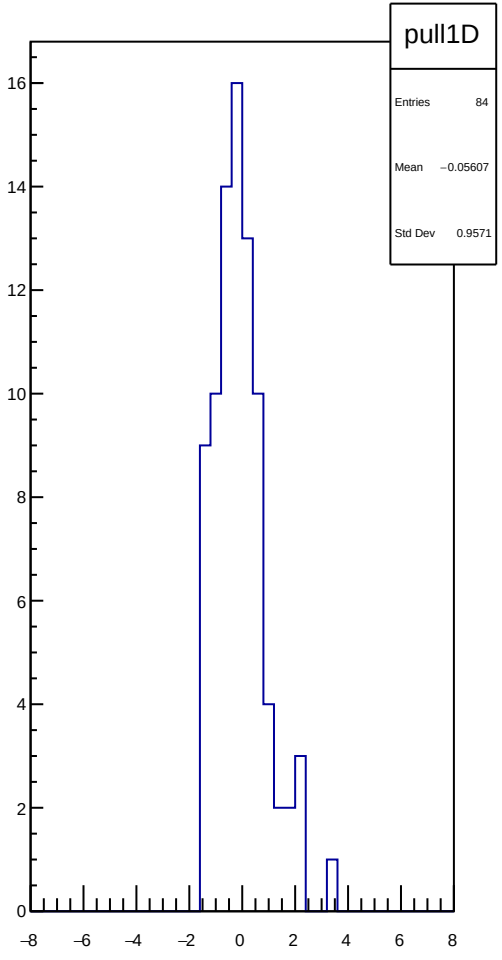

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 56.11 / 83
p0 12.51 ± 0.785
pull
Entries 84
Mean 1248
Std Dev 1231

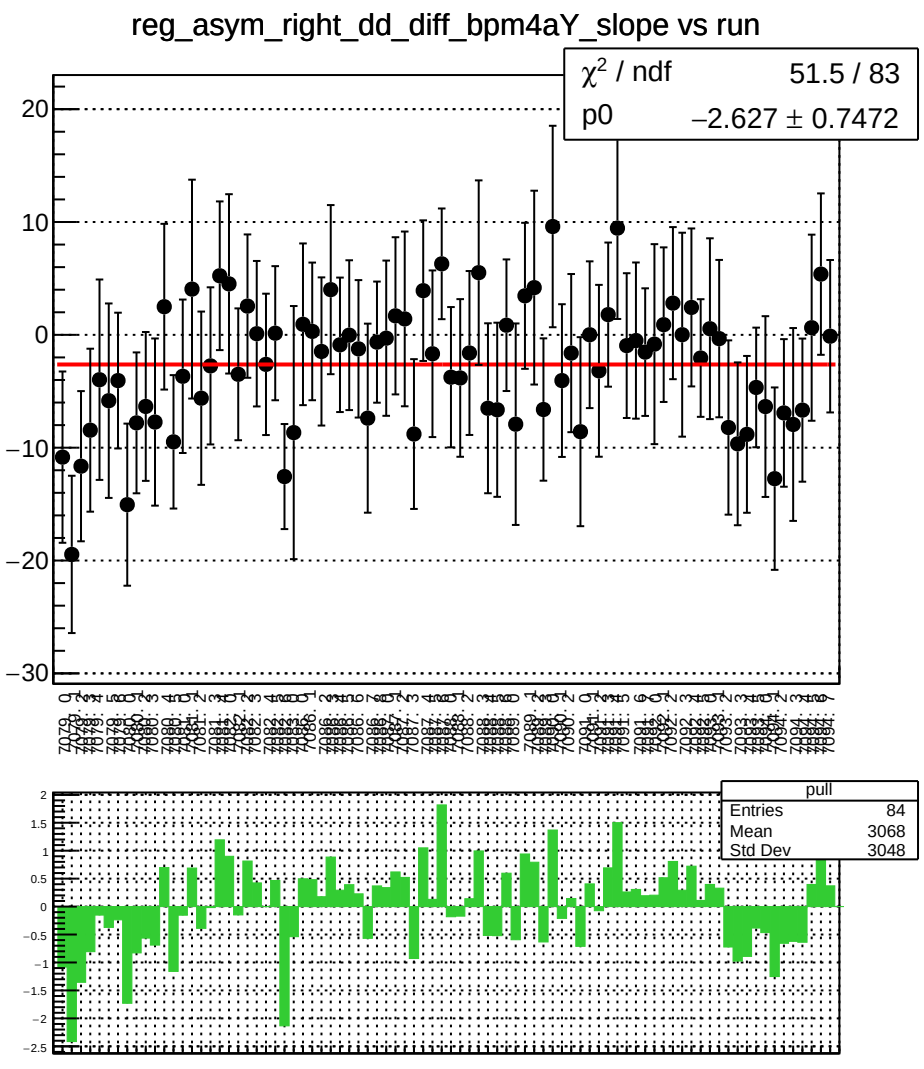

pull1D
Entries 84
Mean −0.002757
Std Dev 0.8173

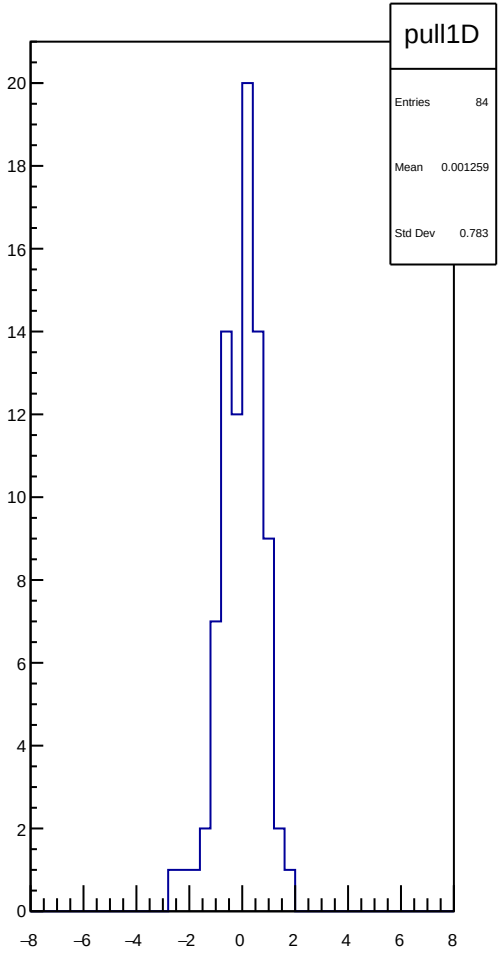

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 127.2 / 83
p0 −19.1 ± 0.03764
−17.5
−18
−18.5
−19
−19.5
−20
pull
Entries 84
Mean −1438
Std Dev 1473
2
1
0
−1
−2

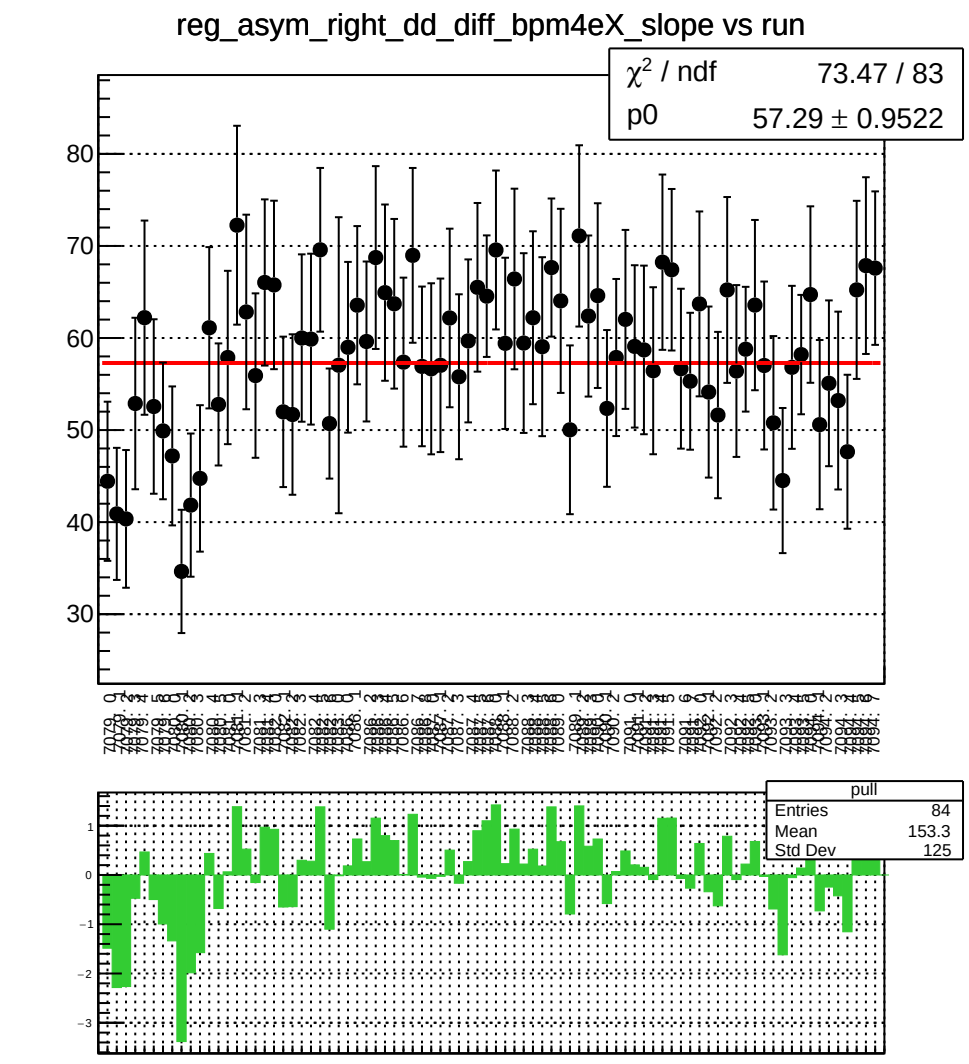

pull1D
Entries 84
Mean 0.01376
Std Dev 1.231
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

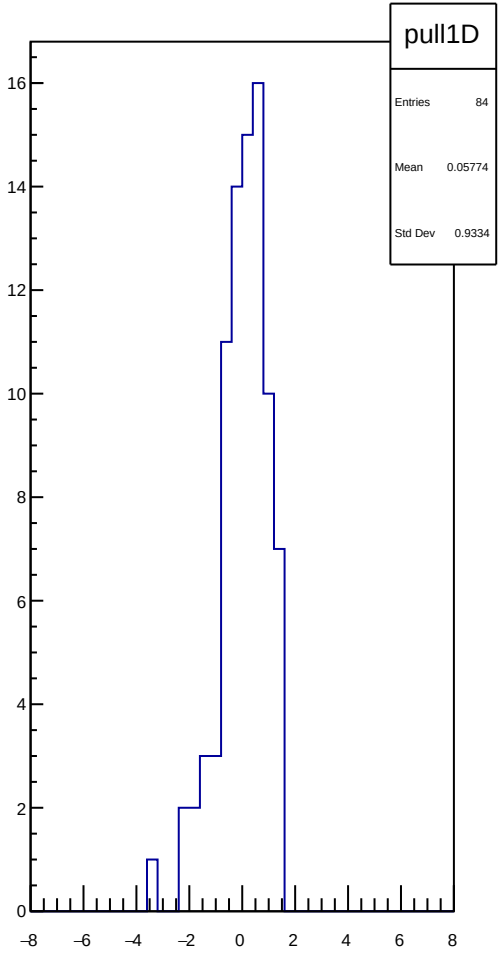

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 77.21 / 83
p0 −29.12 ± 0.987
pull
Entries 84
Mean 157
Std Dev 129.2

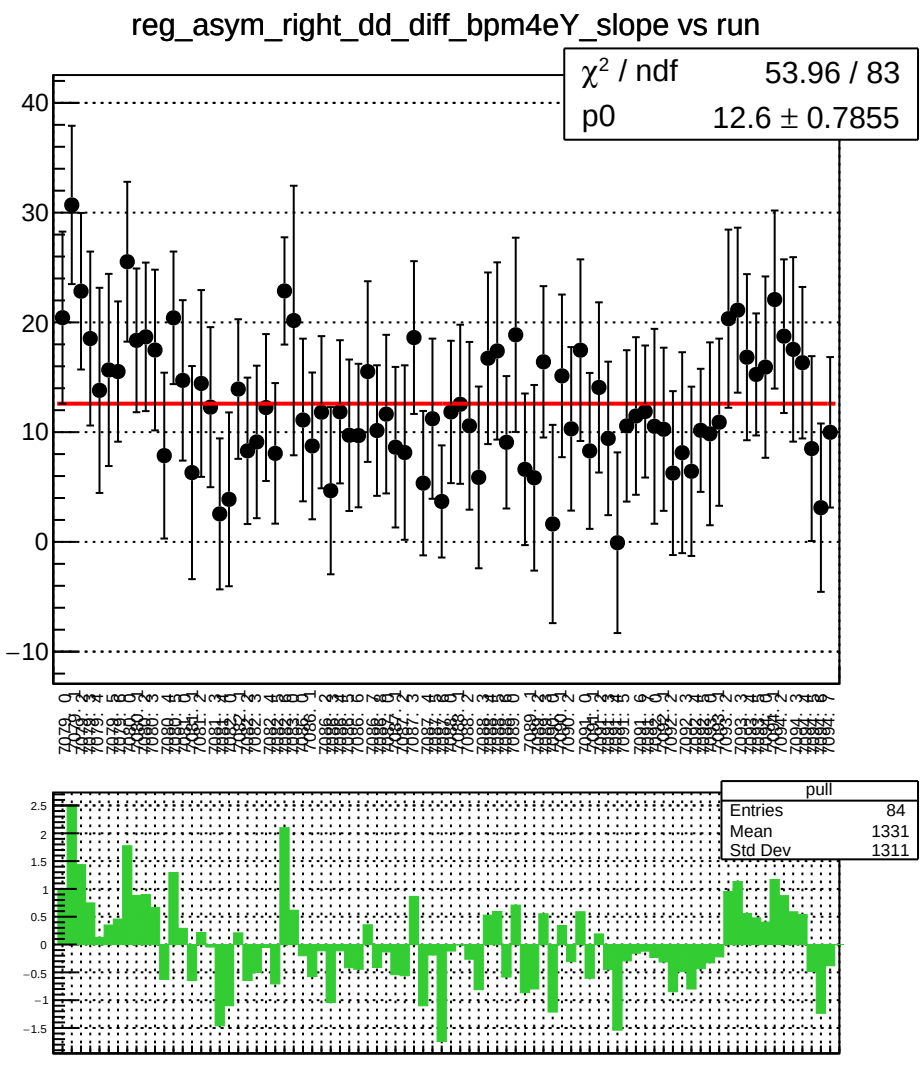

pull1D
Entries 84
Mean −0.05607
Std Dev 0.9571

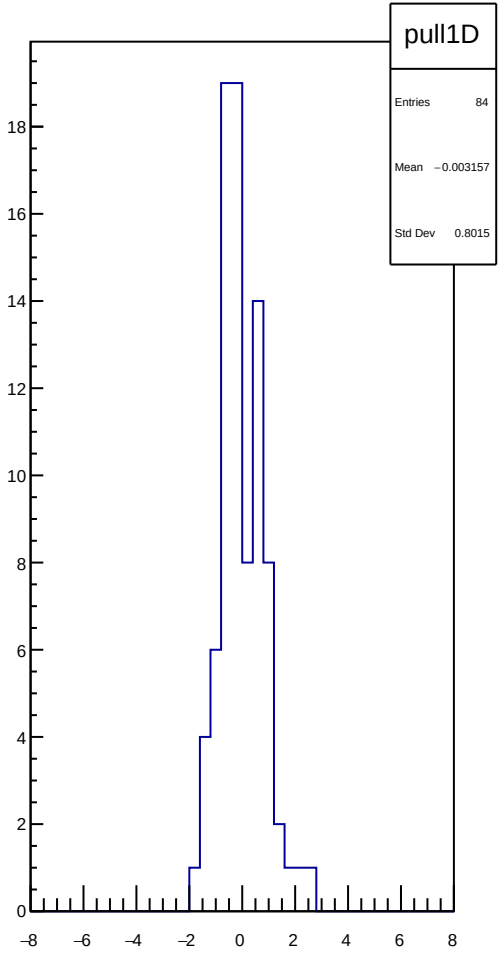

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.5 / 83
p0 −2.627 ± 0.7472
pull
Entries 84
Mean 3068
Std Dev 3048

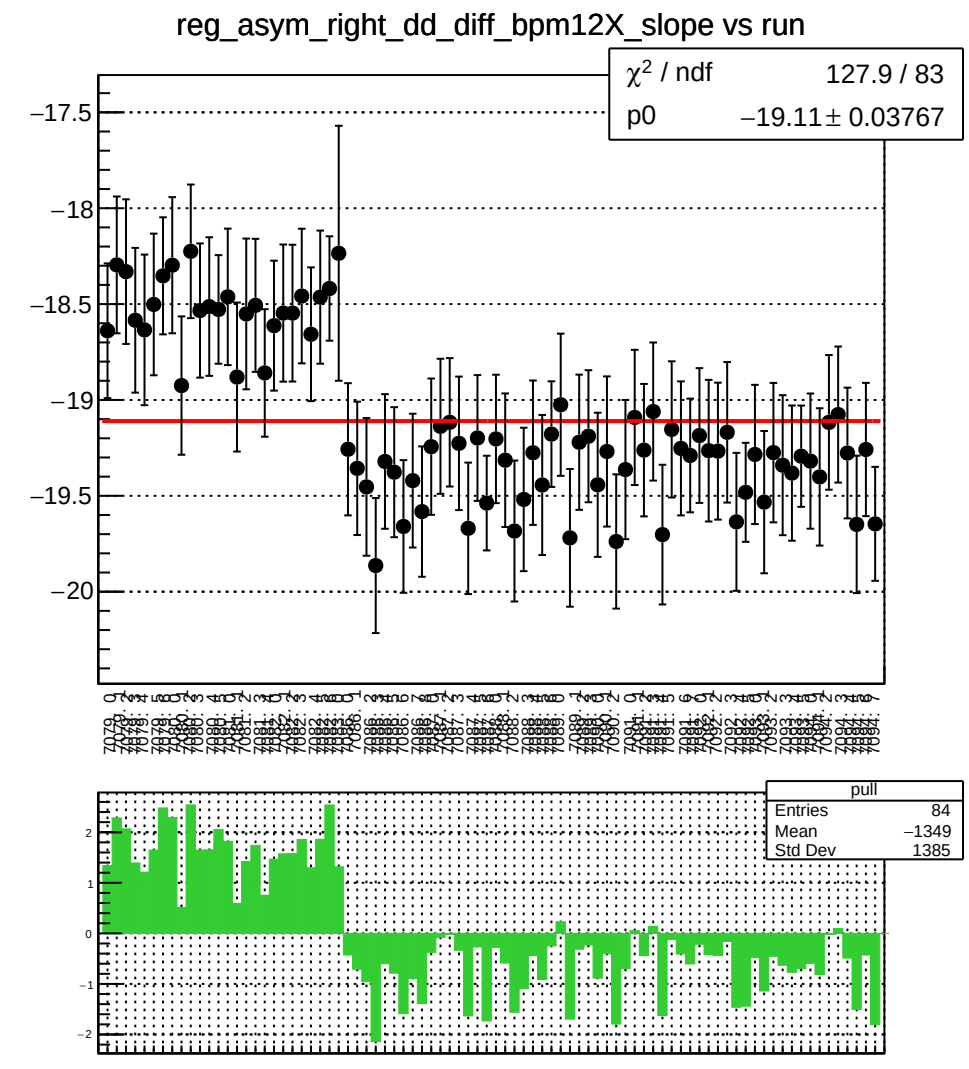

pull1D
Entries 84
Mean 0.001259
Std Dev 0.783

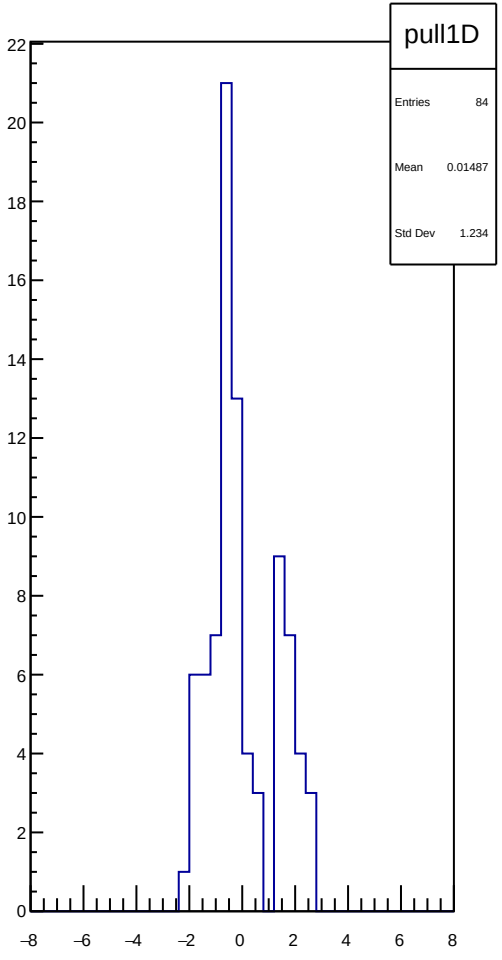

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 73.47 / 83
p0 57.29 ± 0.9522
pull
Entries 84
Mean 153.3
Std Dev 125

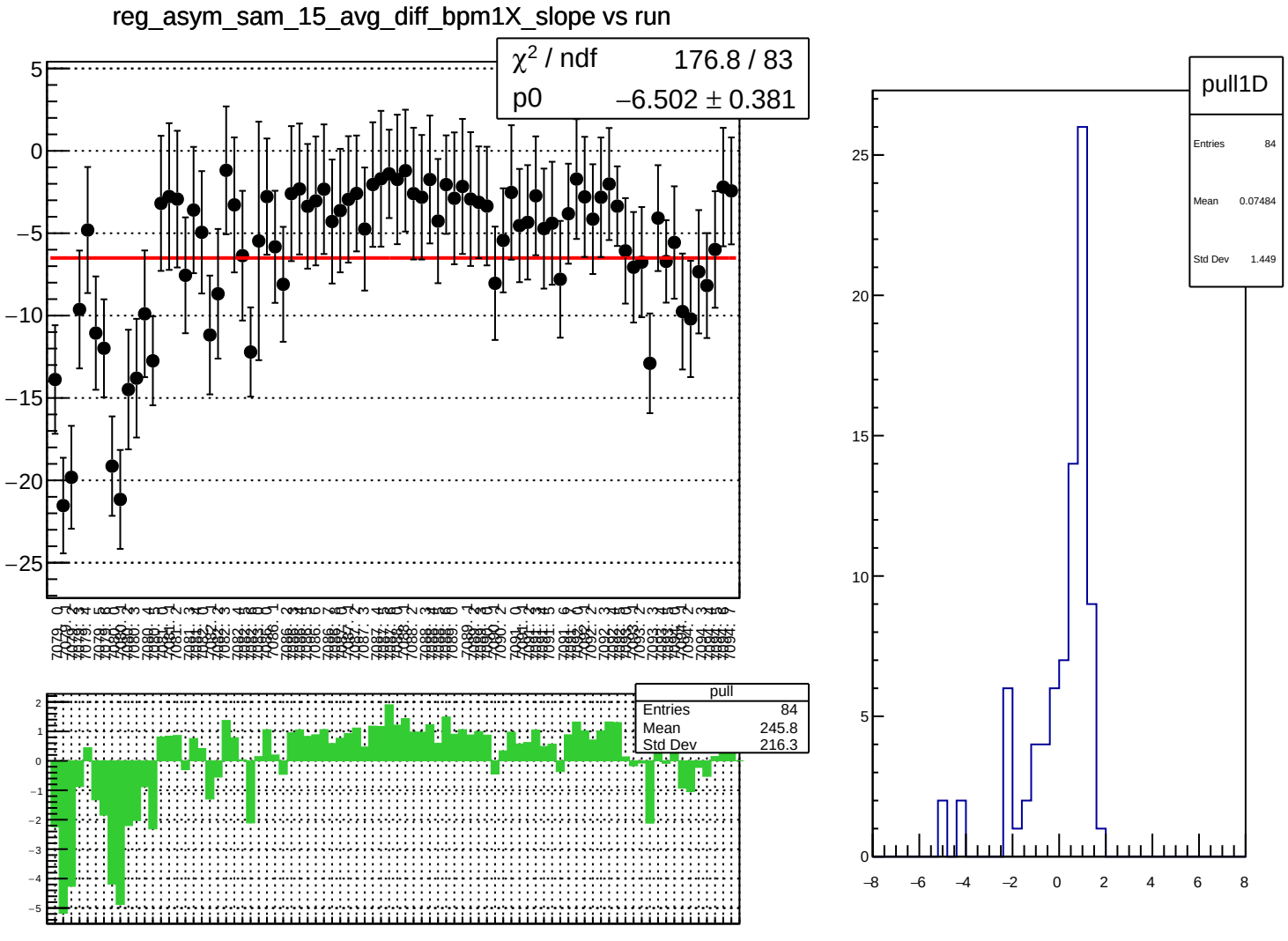

pull1D
Entries 84
Mean 0.05774
Std Dev 0.9334

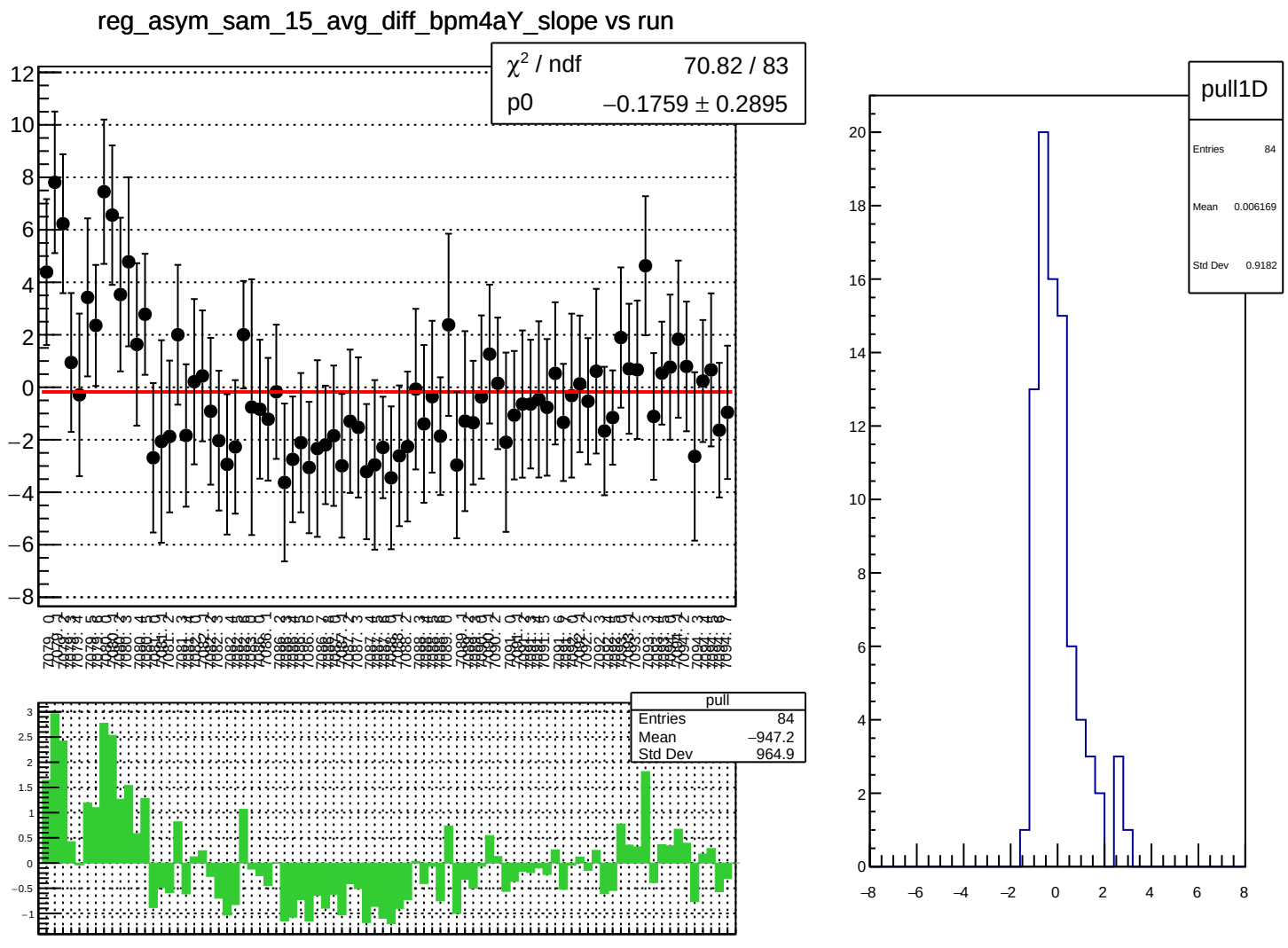

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.96 / 83
p0 12.6 ± 0.7855
pull
Entries 84
Mean 1331
Std Dev 1311

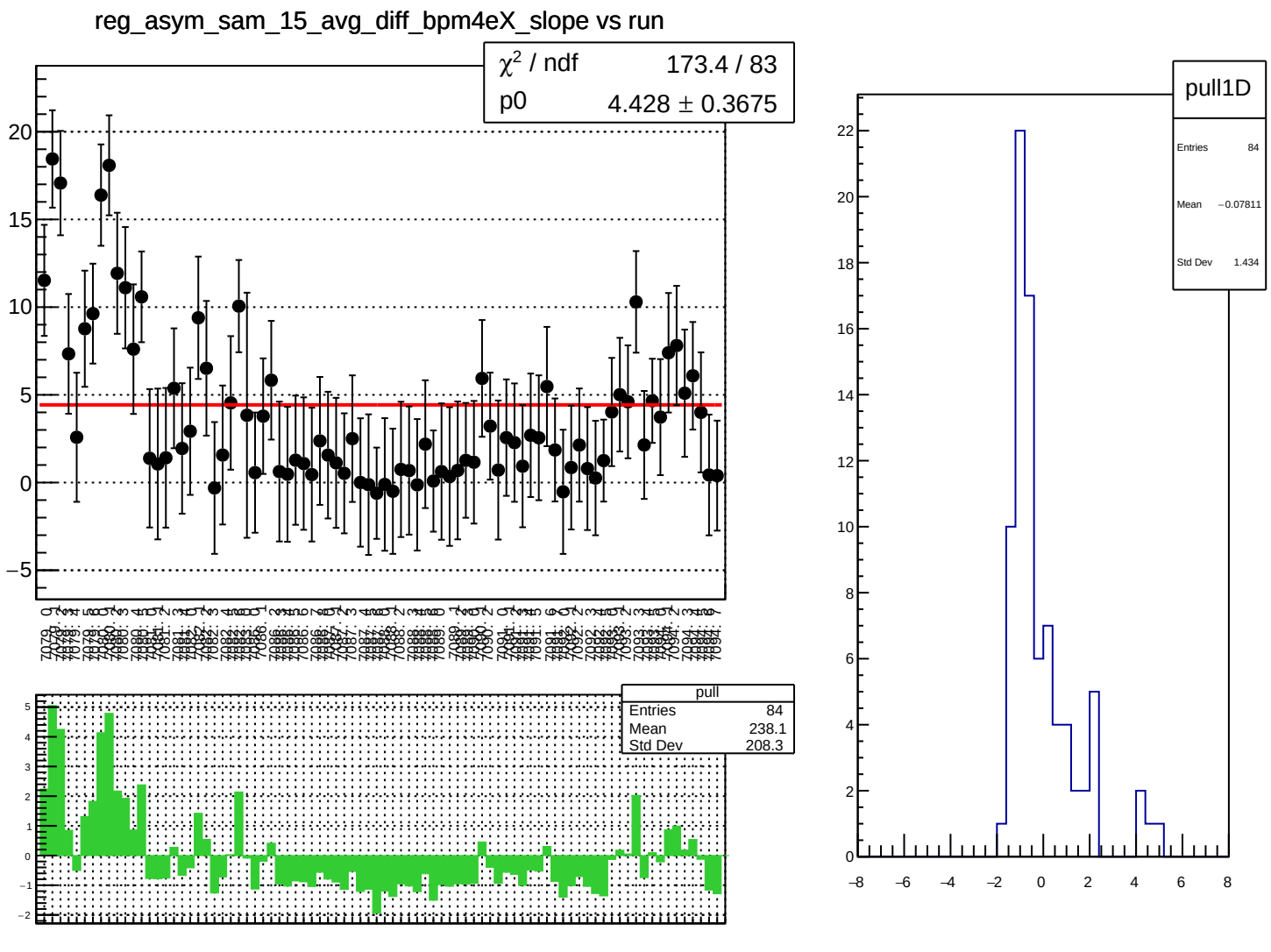

pull1D
Entries 84
Mean −0.003157
Std Dev 0.8015

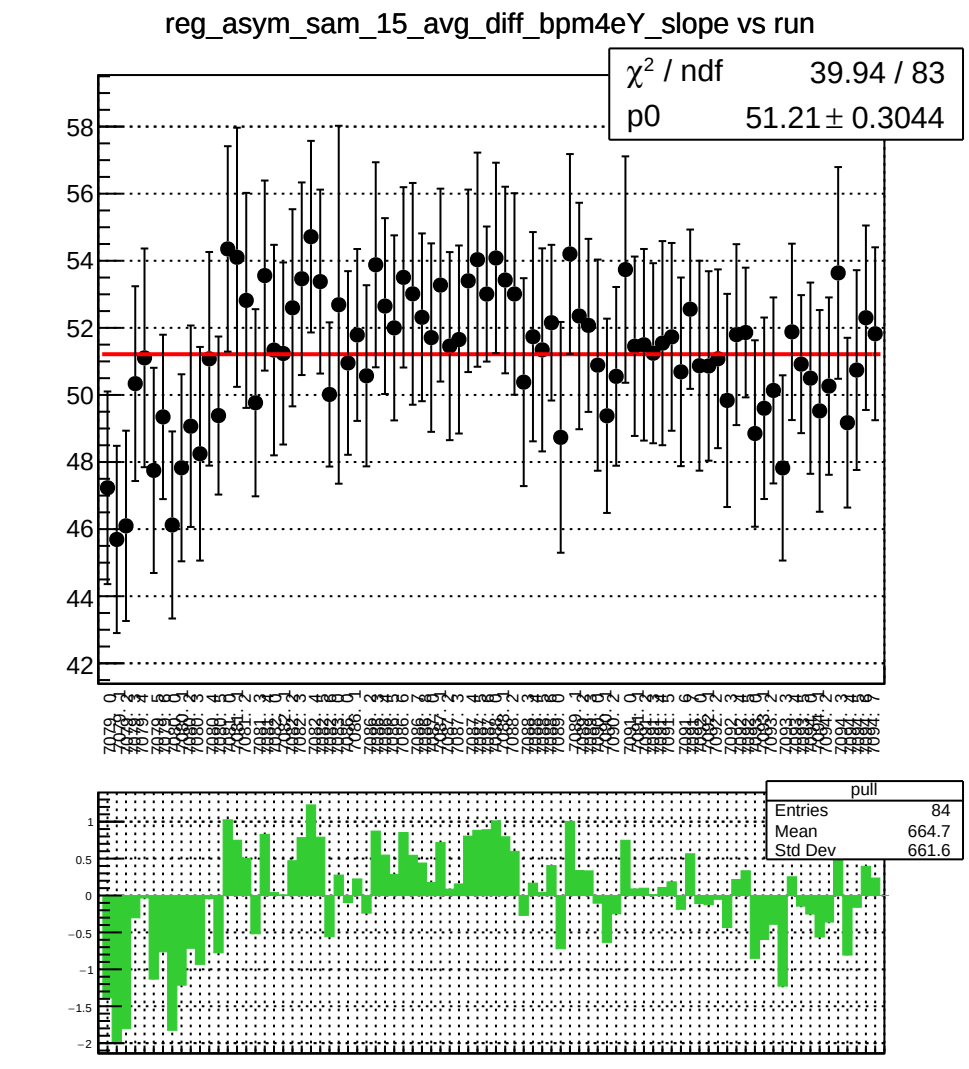

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 127.9 / 83
p0 −19.11 ± 0.03767
pull
Entries 84
Mean −1349
Std Dev 1385

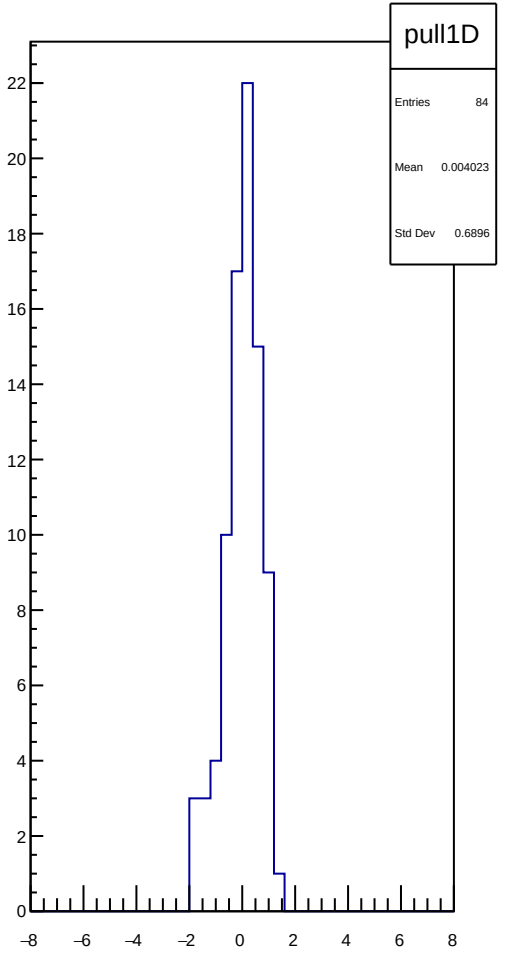

pull1D
Entries 84
Mean 0.01487
Std Dev 1.234

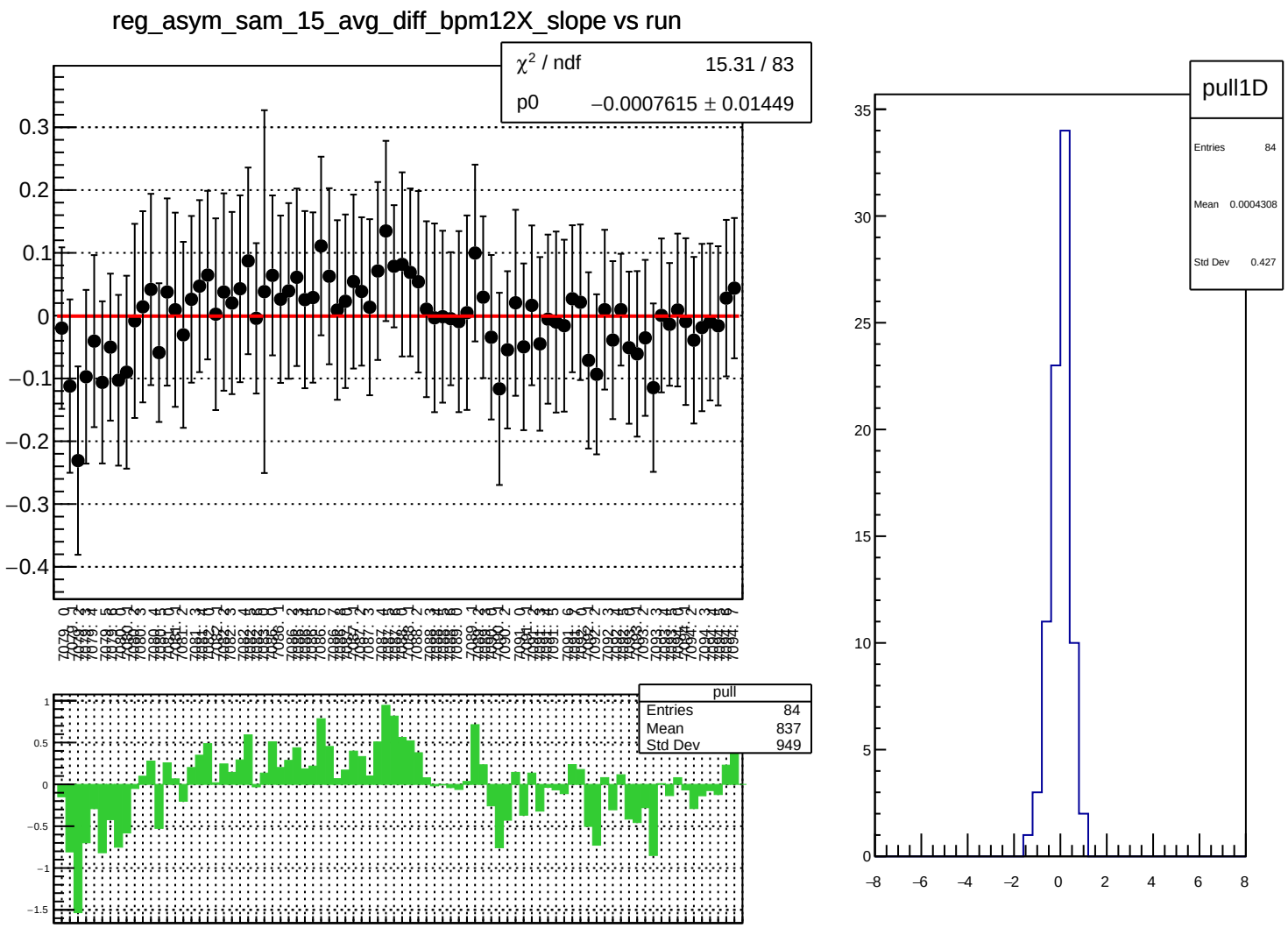

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 176.8 / 83
p0 −6.502 ± 0.381
pull
Entries 84
Mean 245.8
Std Dev 216.3
pull1D
Entries 84
Mean 0.07484
Std Dev 1.449

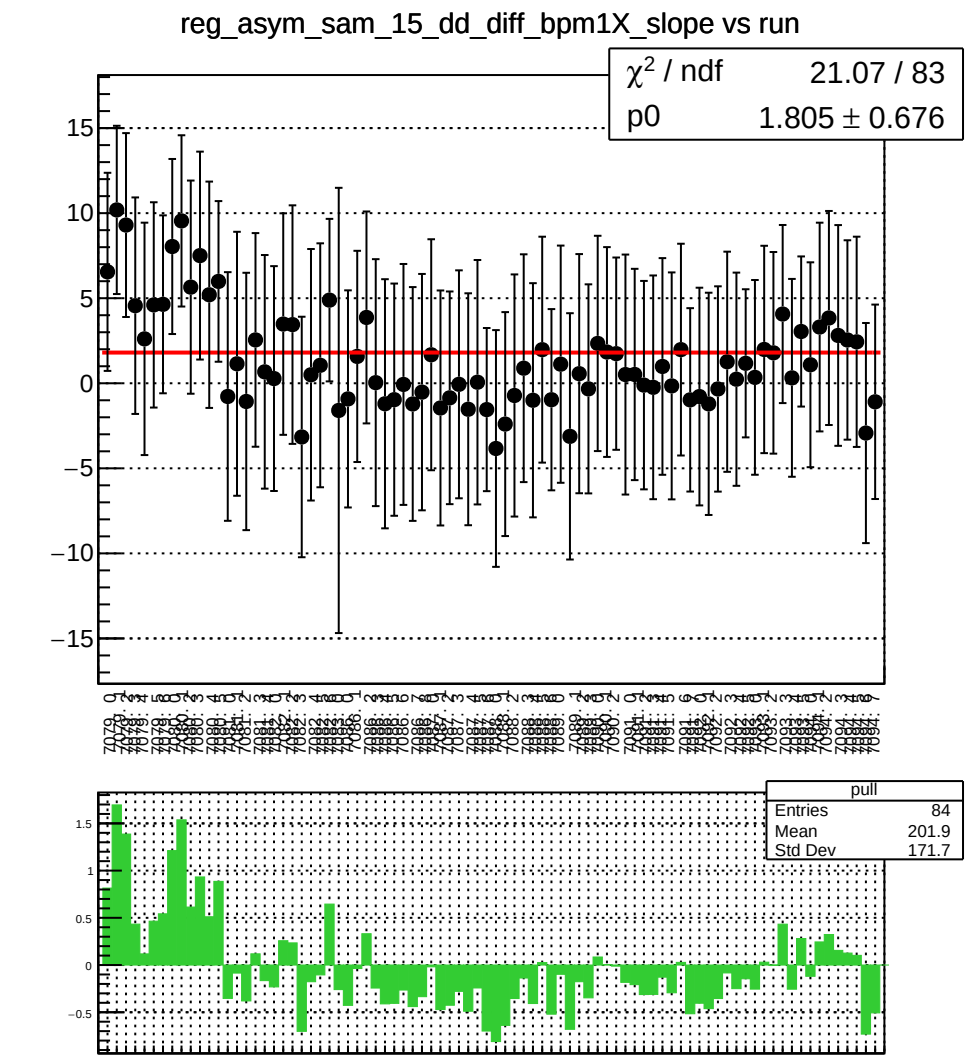

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 70.82 / 83
p0 −0.1759 ± 0.2895
pull
Entries 84
Mean −947.2
Std Dev 964.9
pull1D
Entries 84
Mean 0.006169
Std Dev 0.9182

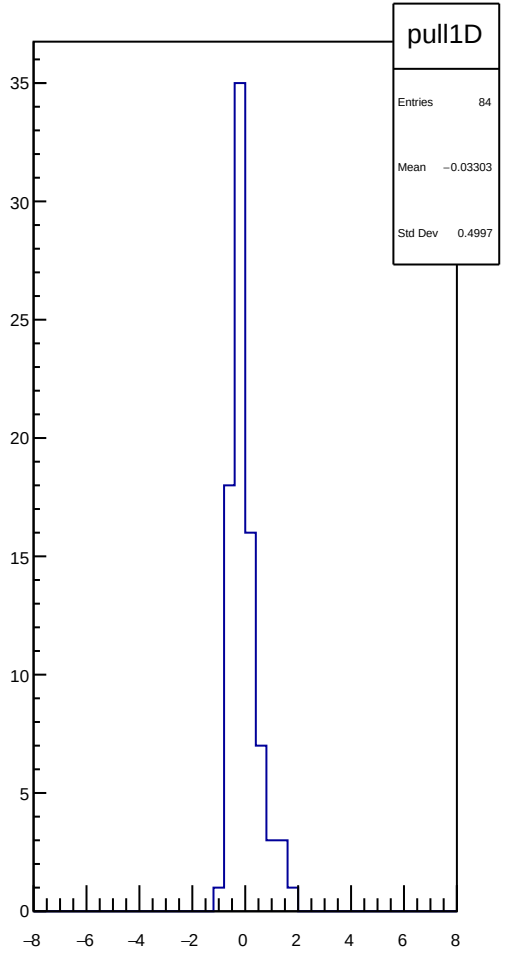

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 173.4 / 83
p0 4.428 ± 0.3675
pull
Entries 84
Mean 238.1
Std Dev 208.3
pull1D
Entries 84
Mean −0.07811
Std Dev 1.434

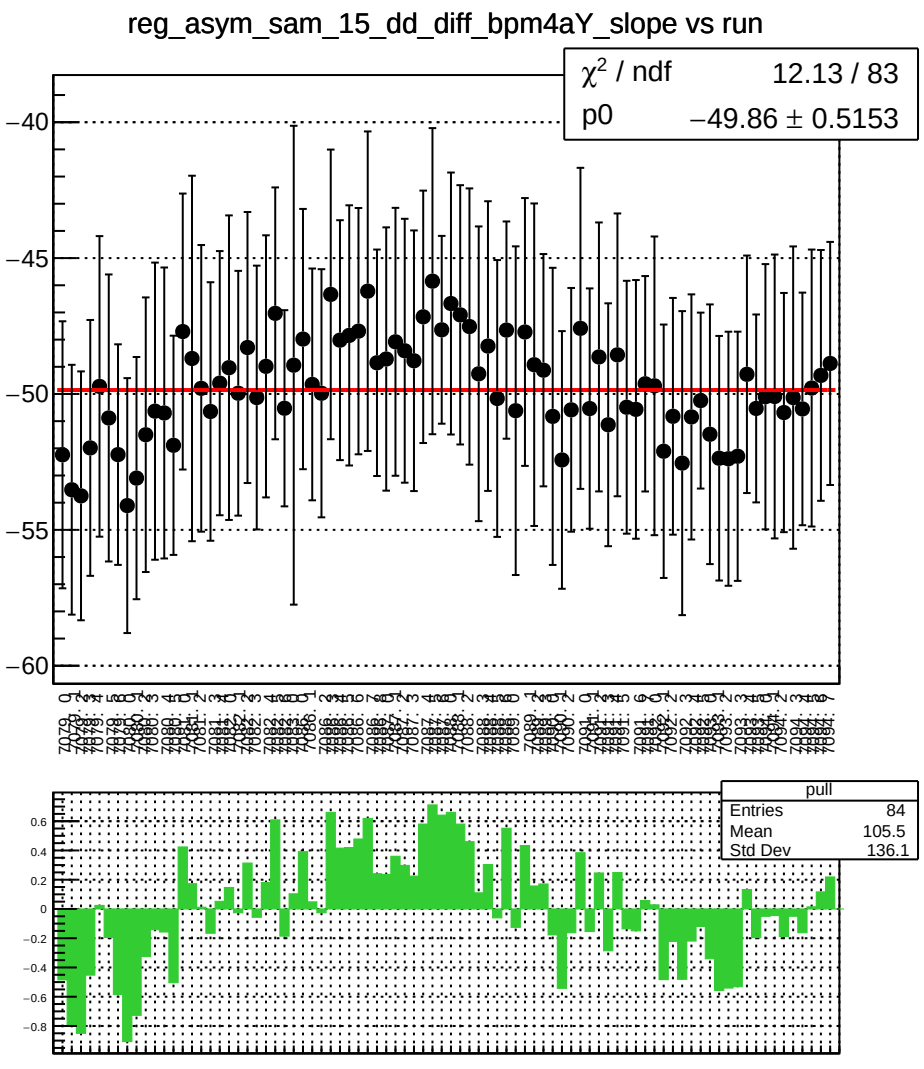

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 39.94 / 83
p0 51.21 ± 0.3044
pull
Entries 84
Mean 664.7
Std Dev 661.6

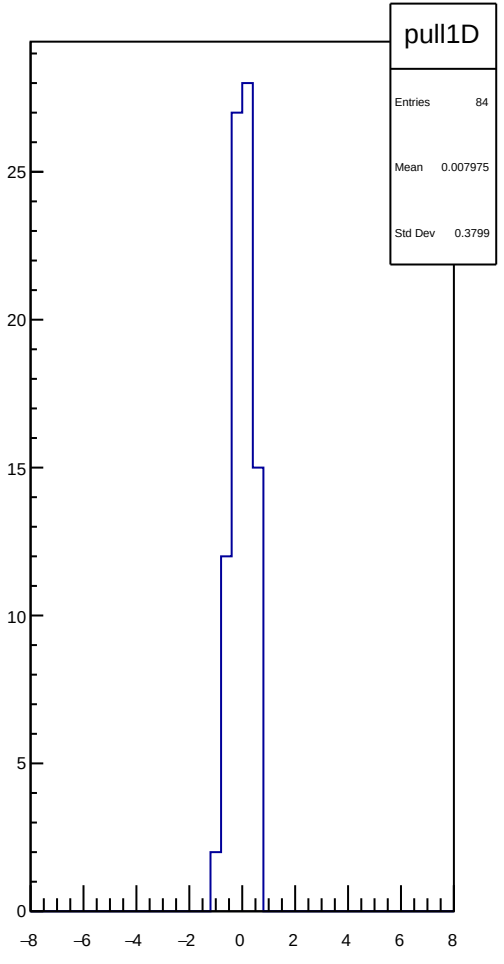

pull1D
Entries 84
Mean 0.004023
Std Dev 0.6896

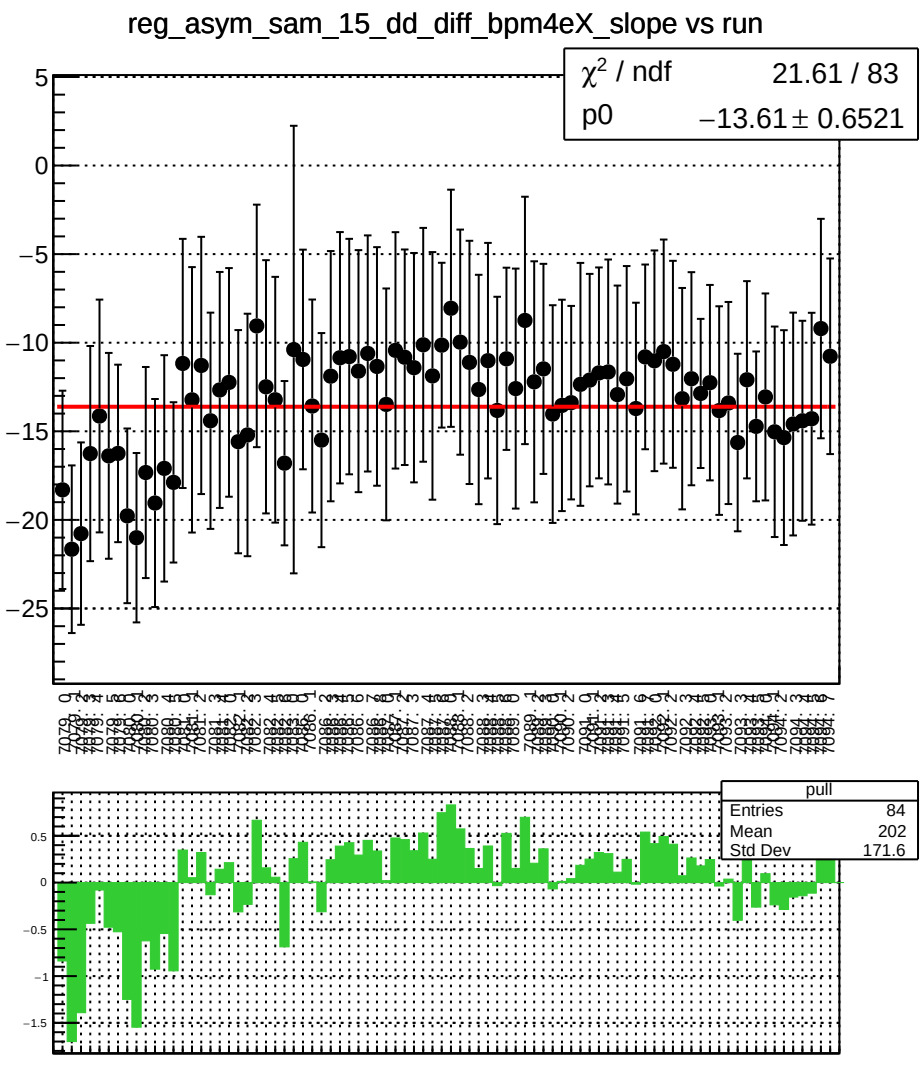

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 15.31 / 83
p0 −0.0007615 ± 0.01449
pull
Entries 84
Mean 837
Std Dev 949
pull1D
Entries 84
Mean 0.0004308
Std Dev 0.427

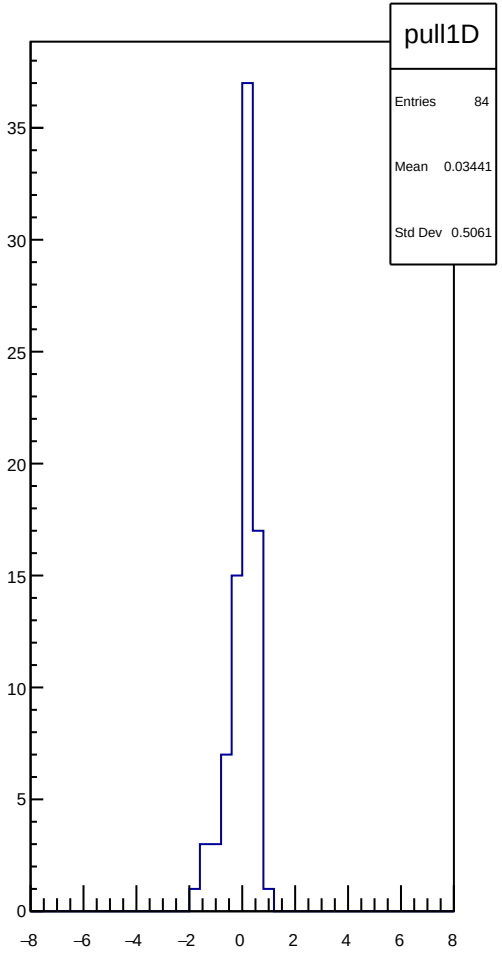

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 21.07 / 83
p0 1.805 ± 0.676
pull
Entries 84
Mean 201.9
Std Dev 171.7

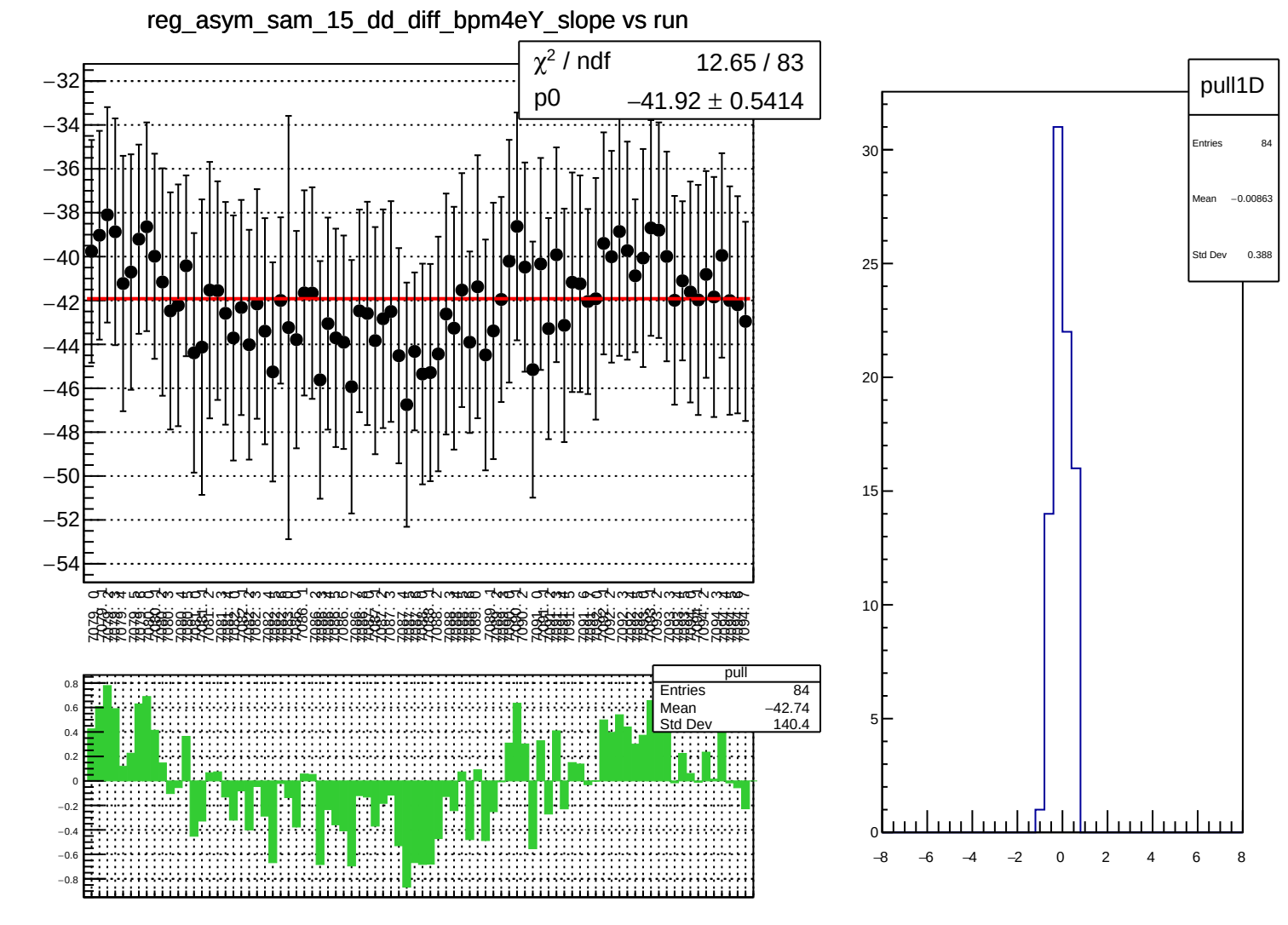

pull1D
Entries 84
Mean −0.03303
Std Dev 0.4997

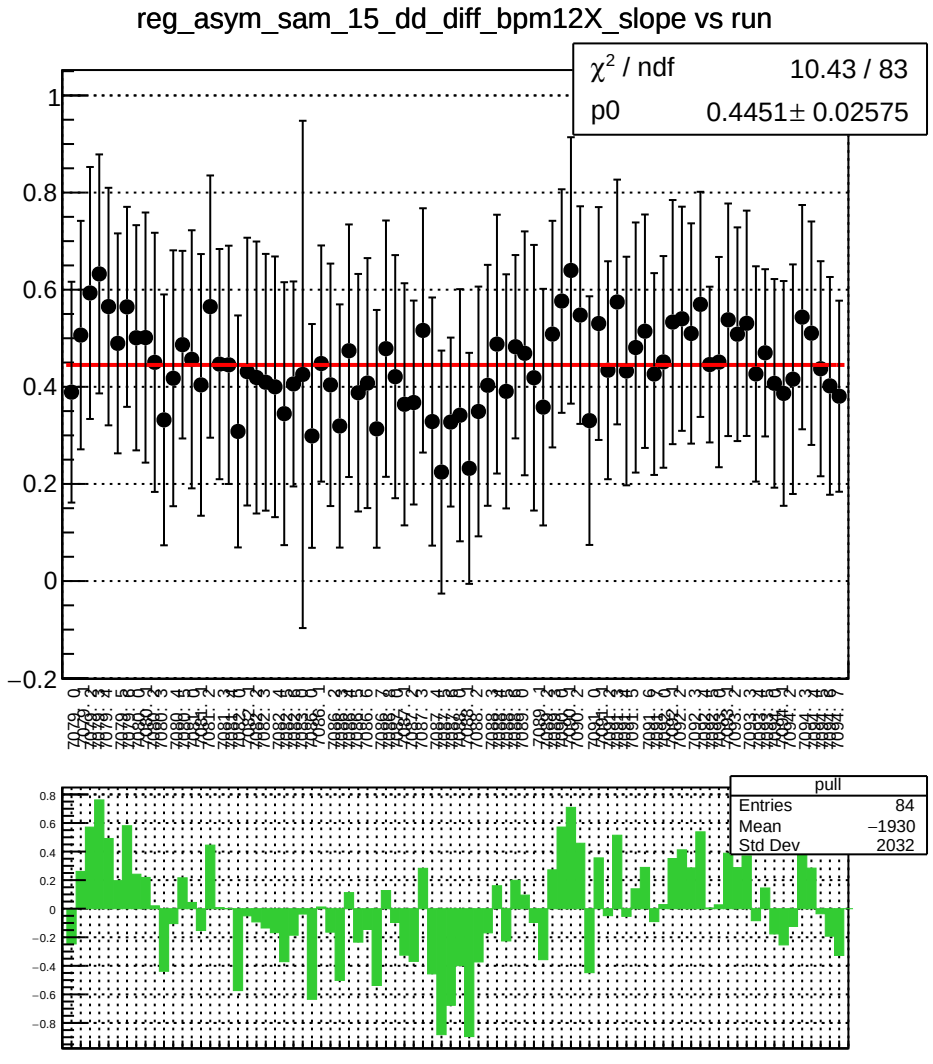

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.13 / 83
p0 −49.86 ± 0.5153
−40
−45
−50
−55
−60
pull
Entries 84
Mean 105.5
Std Dev 136.1
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

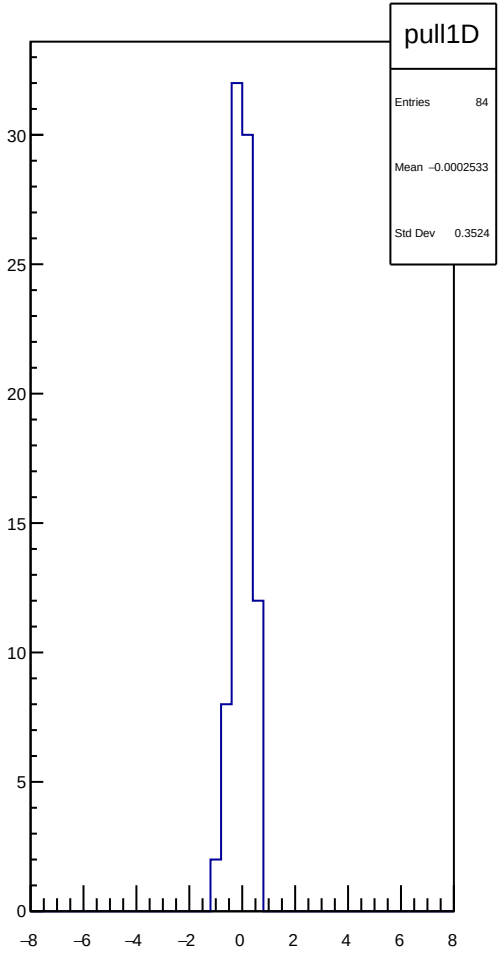

pull1D
Entries 84
Mean 0.007975
Std Dev 0.3799
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

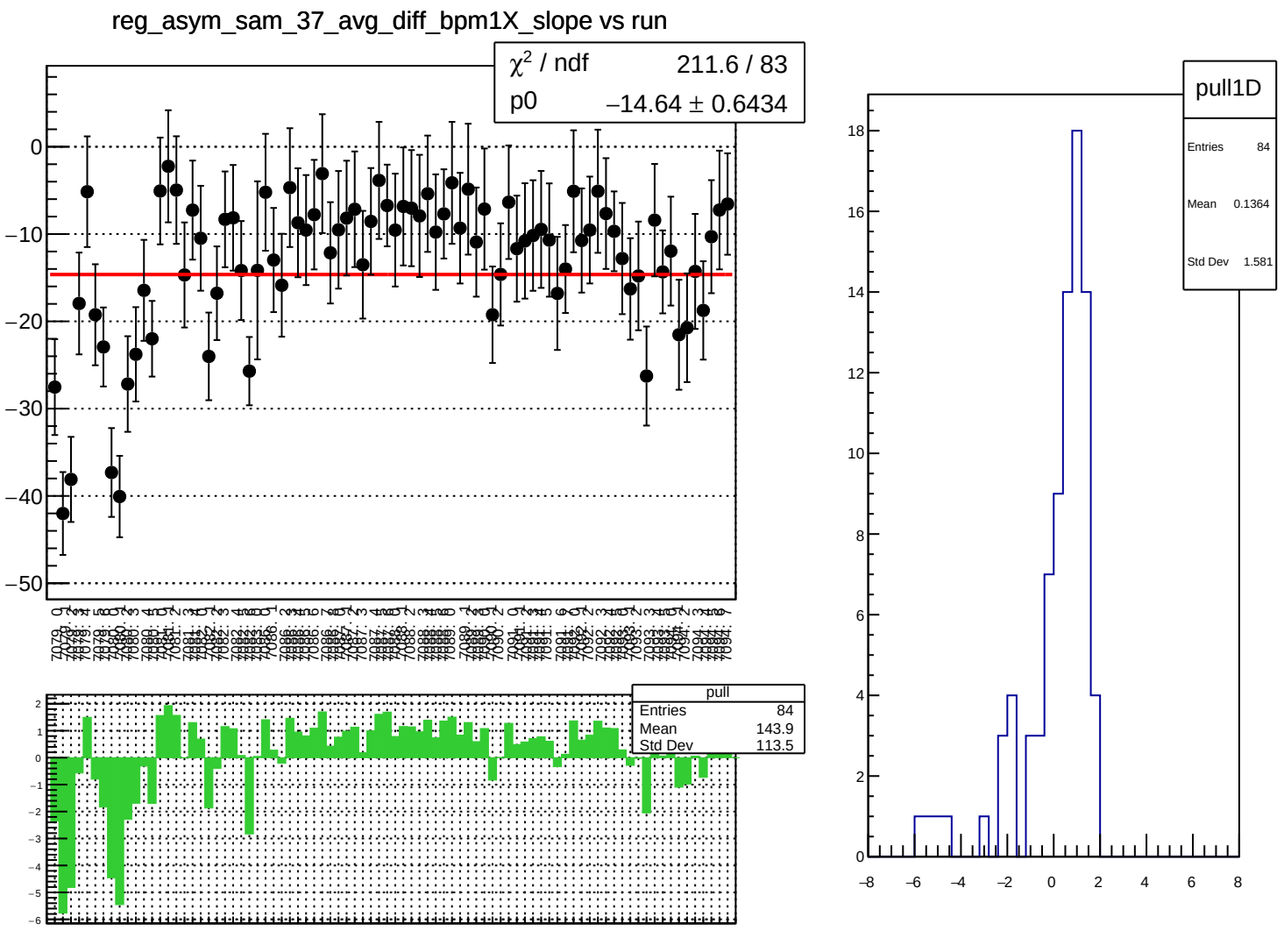

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.61 / 83
p0 −13.61 ± 0.6521
pull
Entries 84
Mean 202
Std Dev 171.6

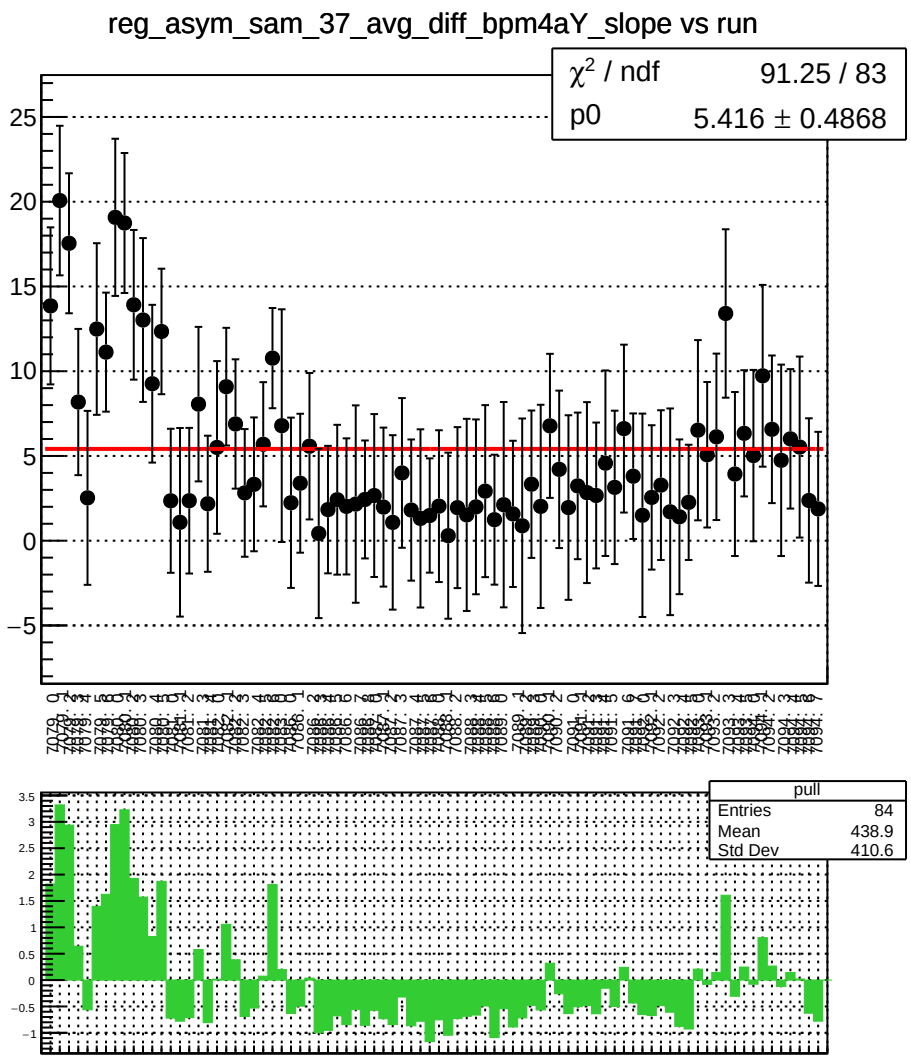

pull1D
Entries 84
Mean 0.03441
Std Dev 0.5061

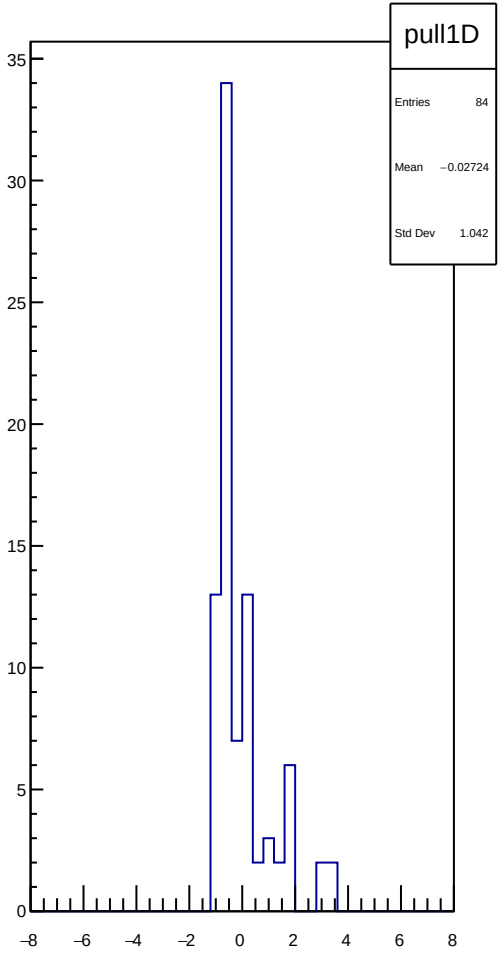

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.65 / 83
p0 −41.92 ± 0.5414
pull
Entries 84
Mean −42.74
Std Dev 140.4
pull1D
Entries 84
Mean −0.00863
Std Dev 0.388

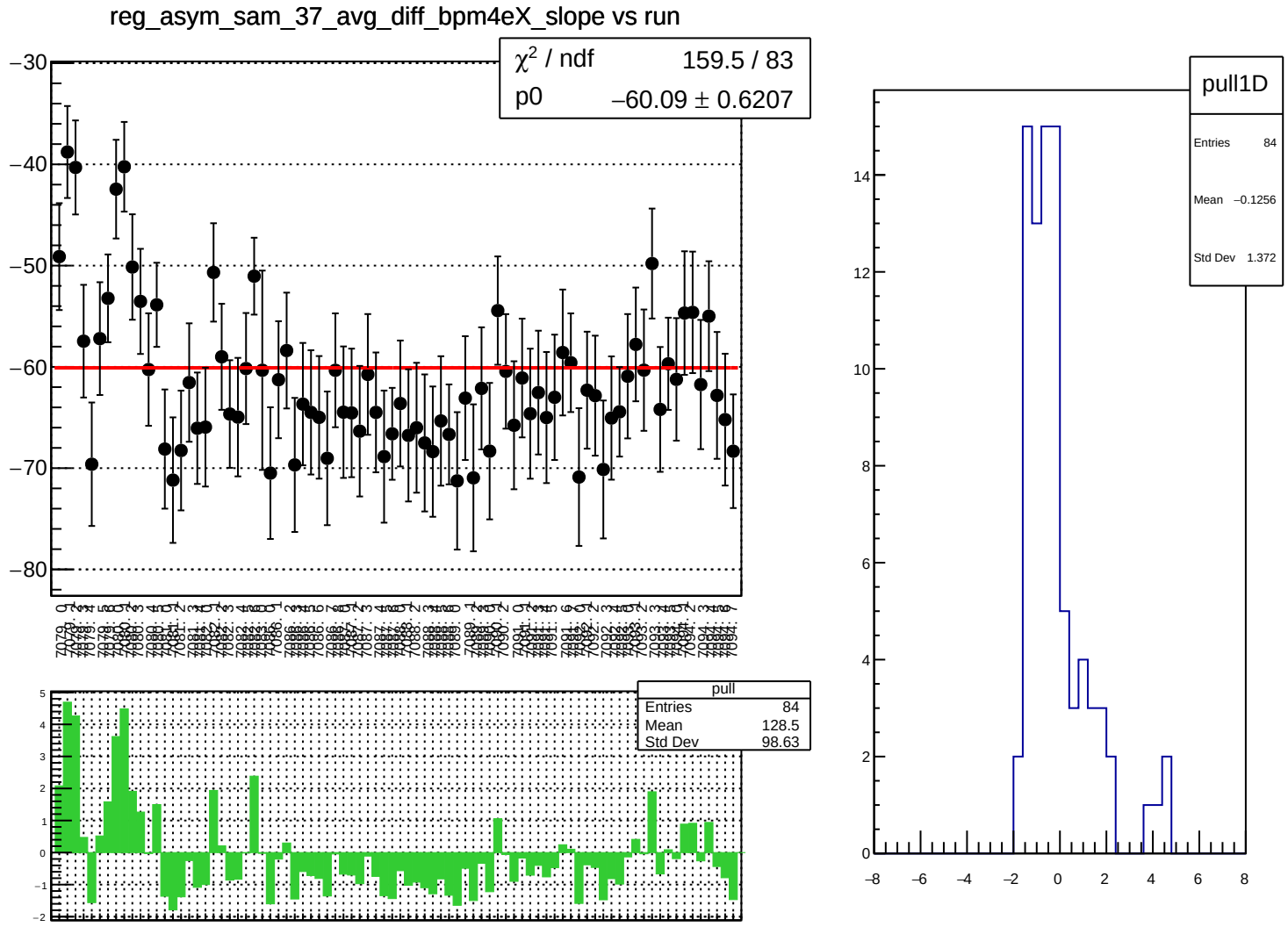

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 10.43 / 83
p0 0.4451± 0.02575
pull
Entries 84
Mean −1930
Std Dev 2032

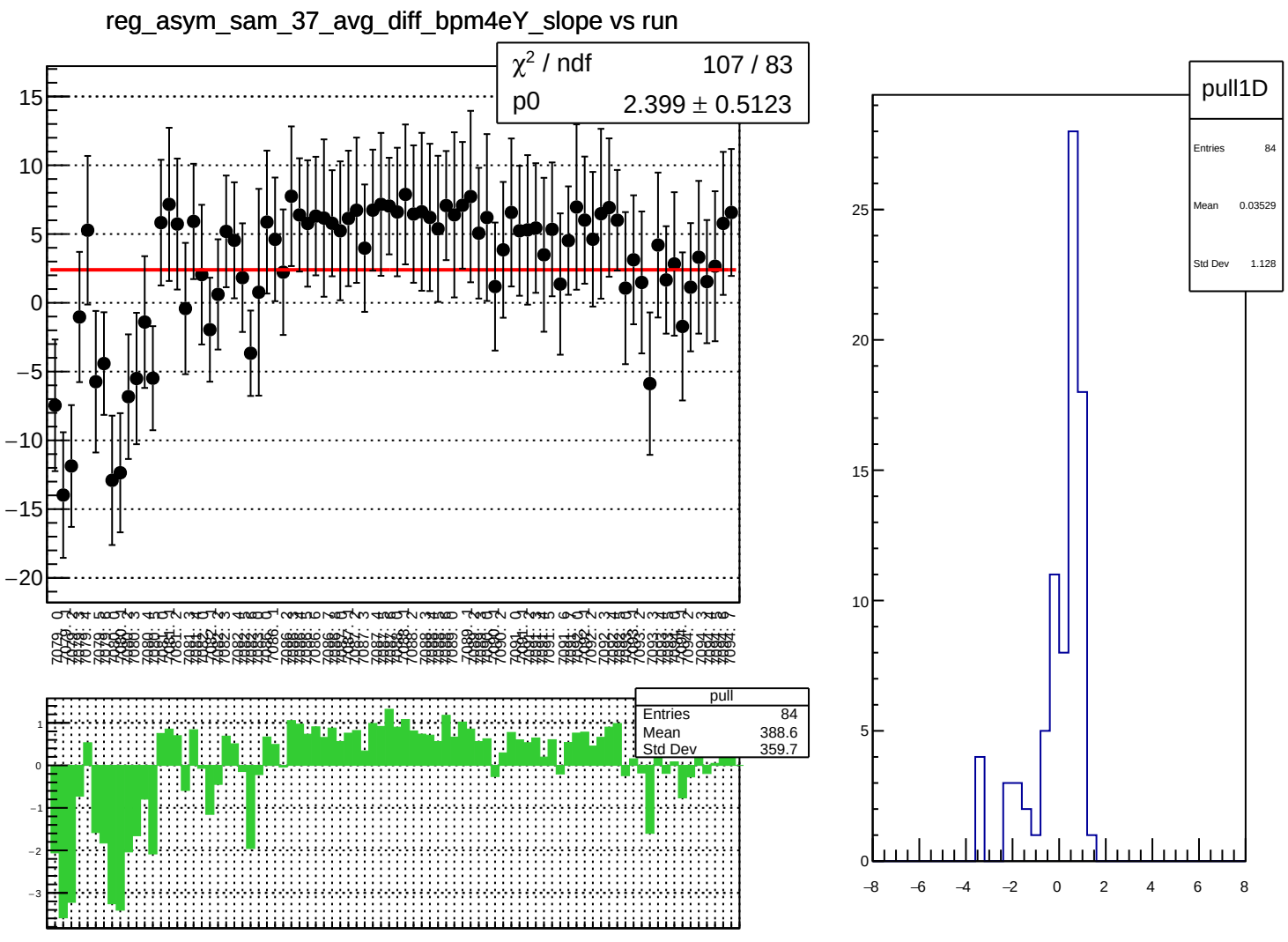

pull1D
Entries 84
Mean −0.0002533
Std Dev 0.3524

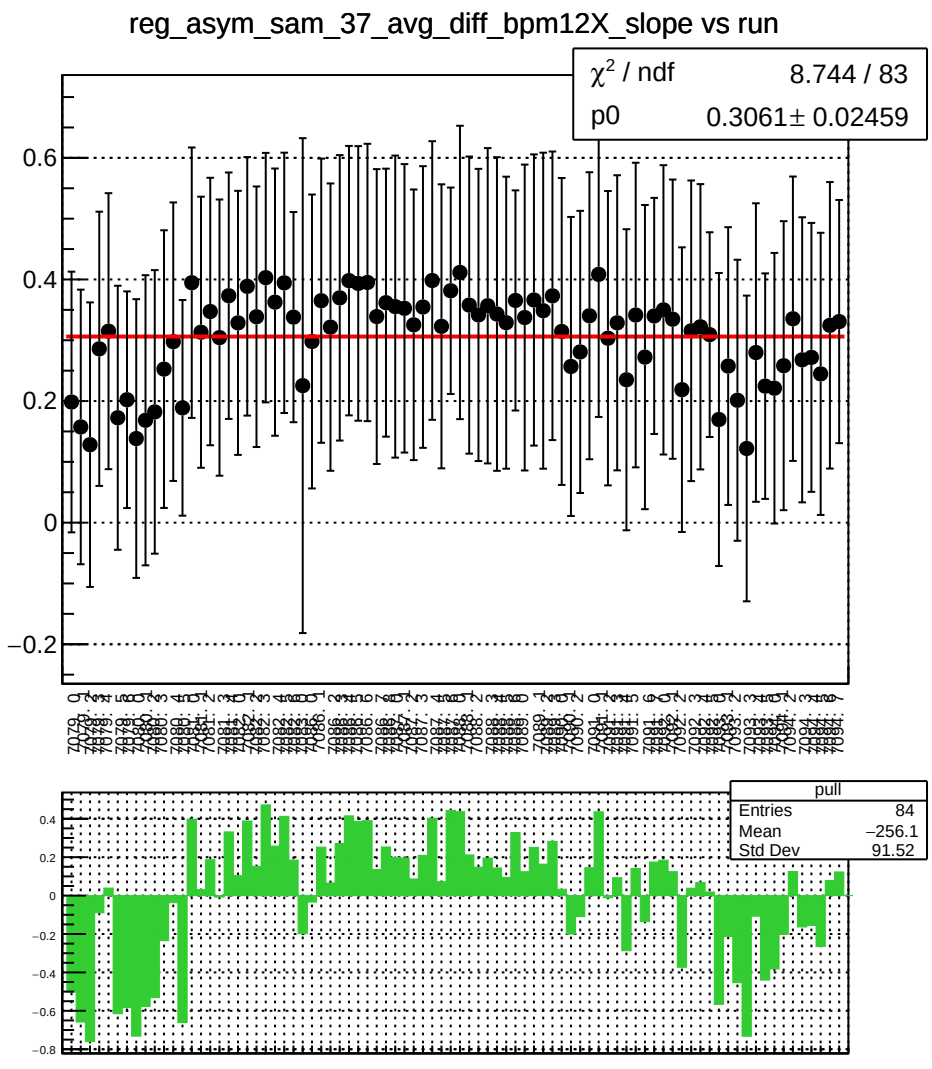

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 211.6 / 83
p0 −14.64 ± 0.6434
pull
Entries 84
Mean 143.9
Std Dev 113.5
pull1D
Entries 84
Mean 0.1364
Std Dev 1.581

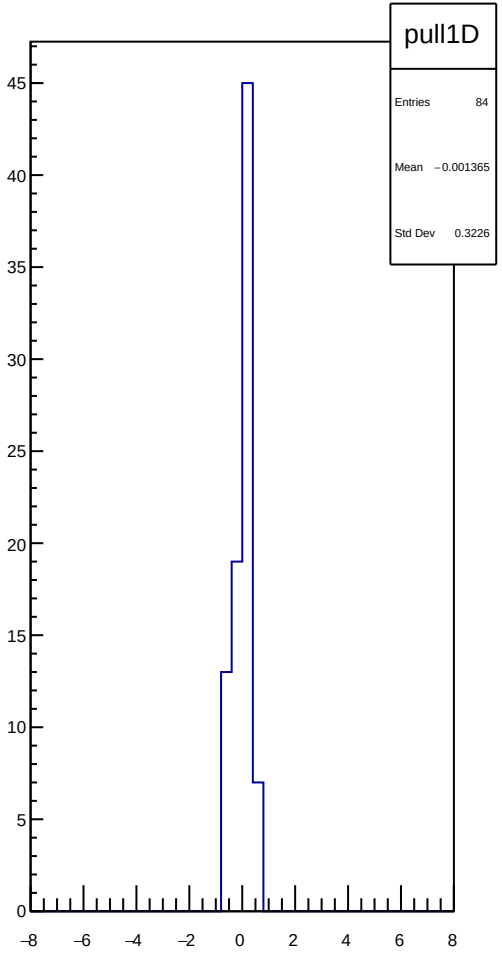

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 91.25 / 83
p0 5.416 ± 0.4868
pull
Entries 84
Mean 438.9
Std Dev 410.6

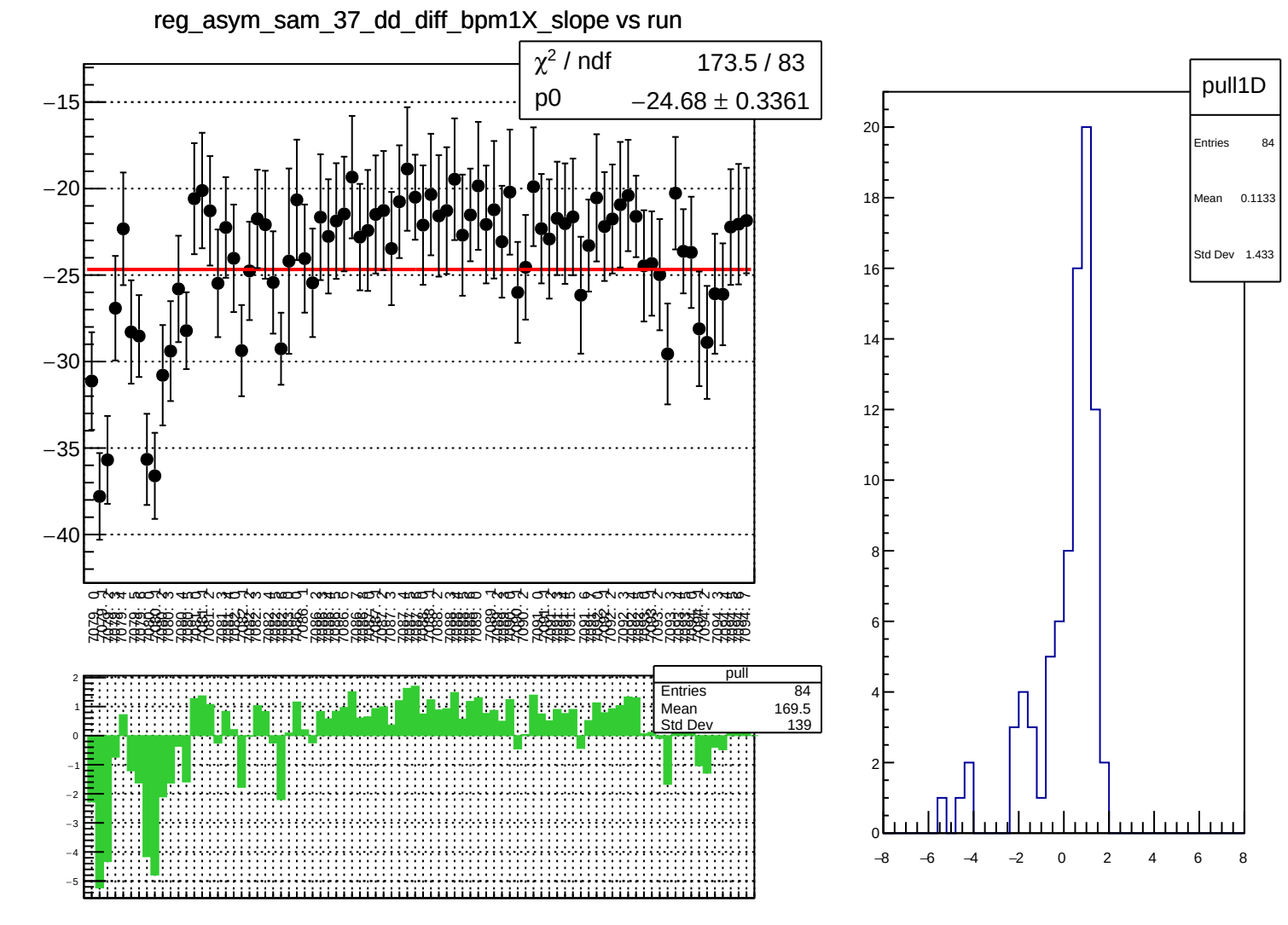

pull1D
Entries 84
Mean −0.02724
Std Dev 1.042

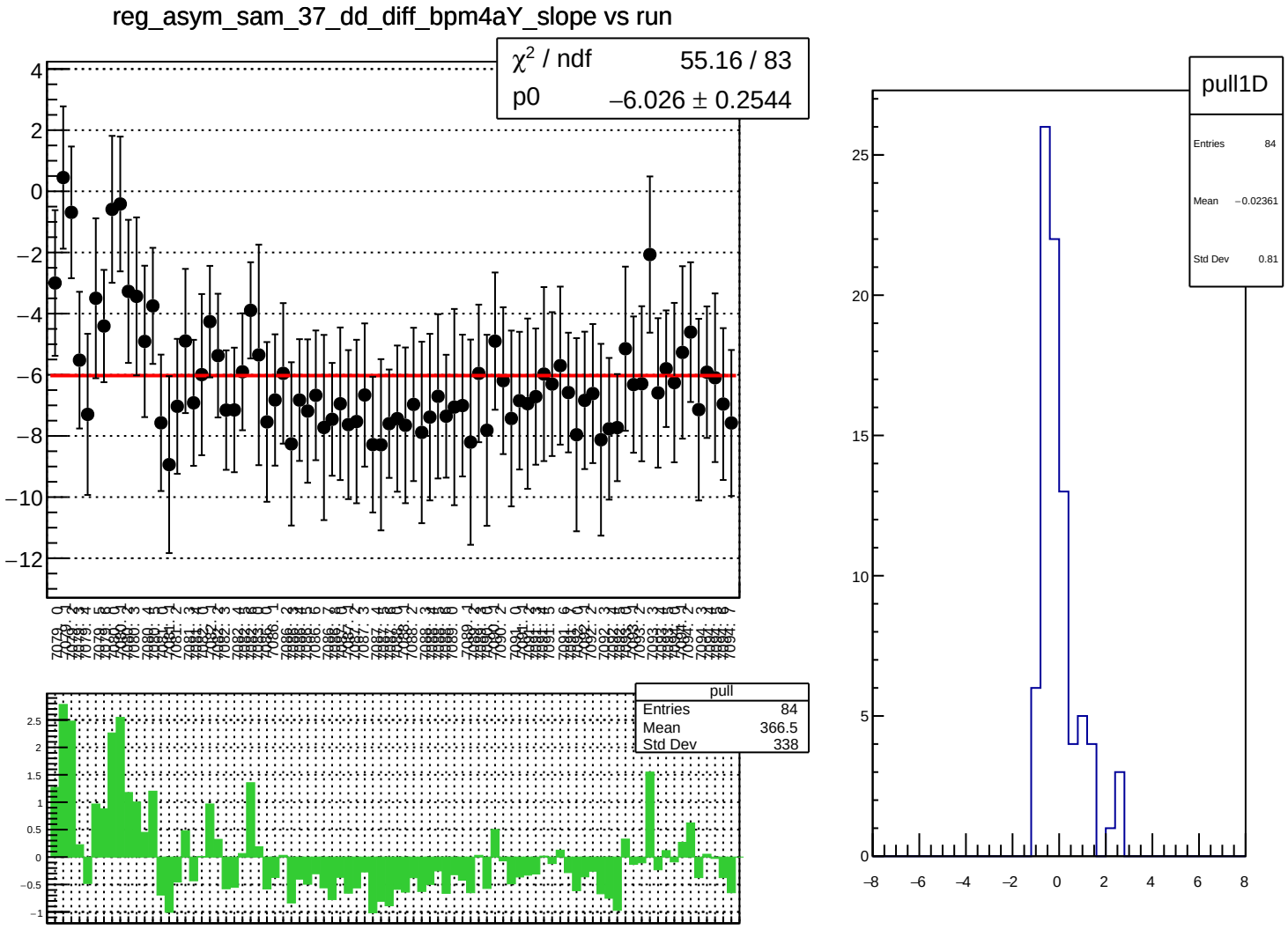

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 159.5 / 83
p0 −60.09 ± 0.6207
pull
Entries 84
Mean 128.5
Std Dev 98.63
pull1D
Entries 84
Mean −0.1256
Std Dev 1.372

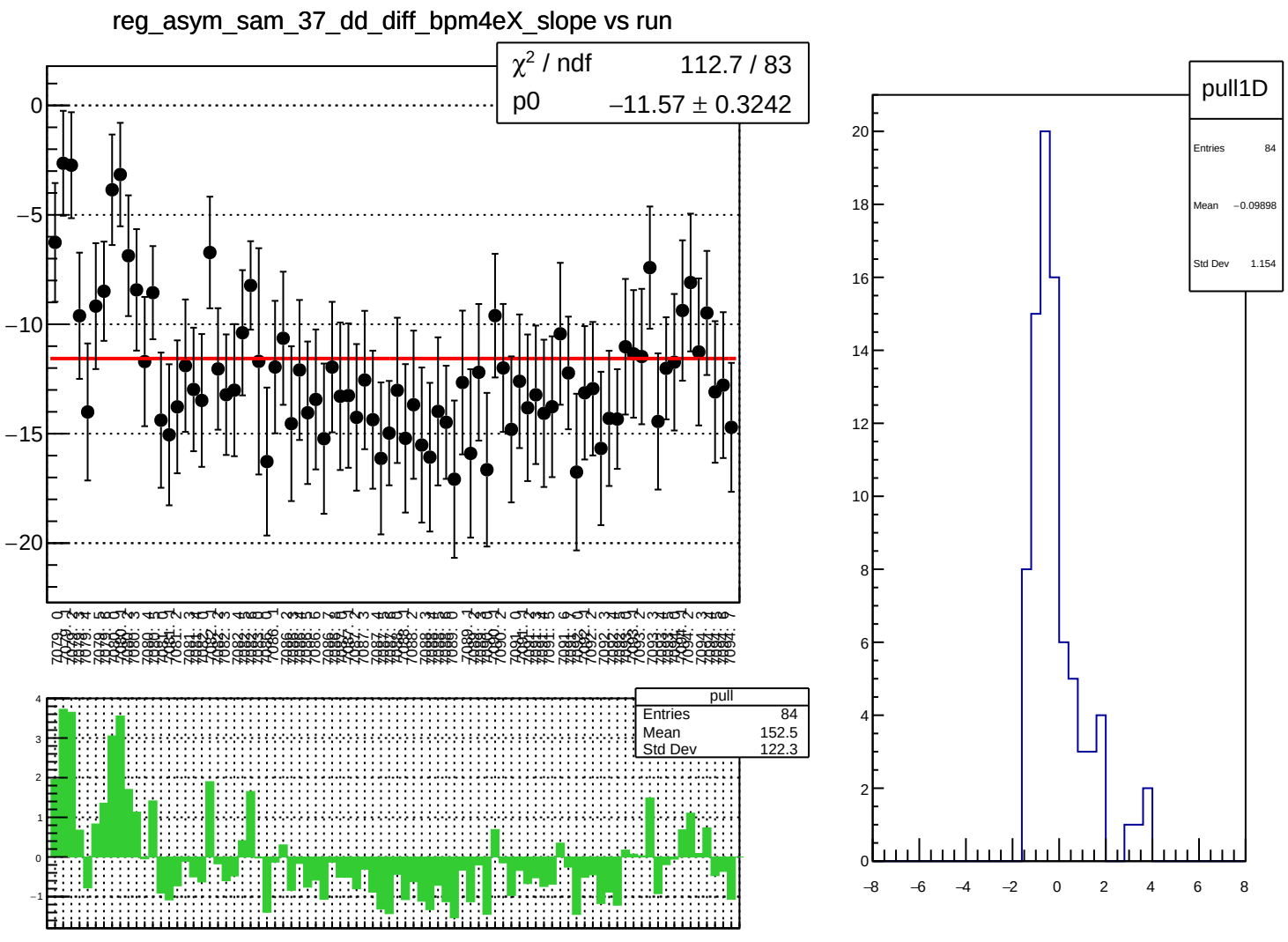

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 107 / 83
p0 2.399 ± 0.5123
pull
Entries 84
Mean 388.6
Std Dev 359.7
pull1D
Entries 84
Mean 0.03529
Std Dev 1.128

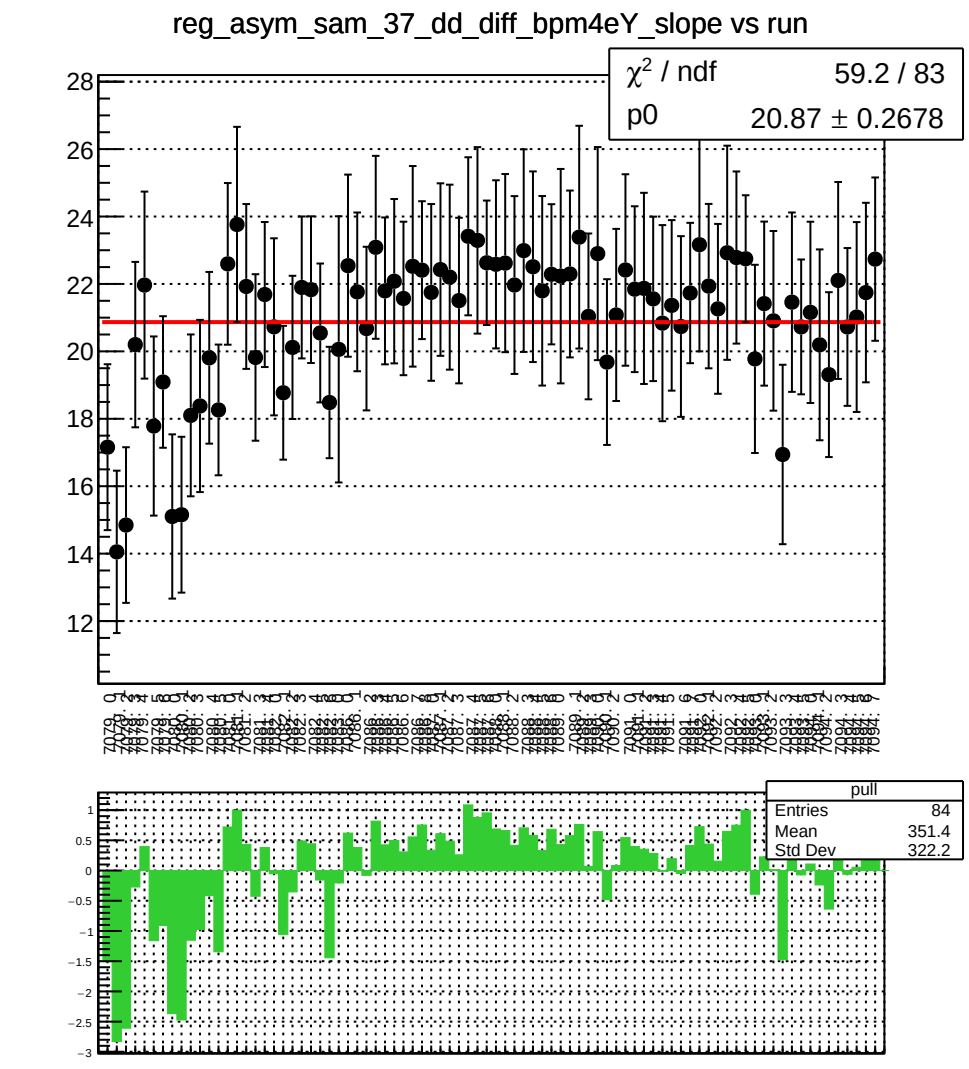

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 8.744 / 83
p0 0.3061± 0.02459
pull
Entries 84
Mean −256.1
Std Dev 91.52

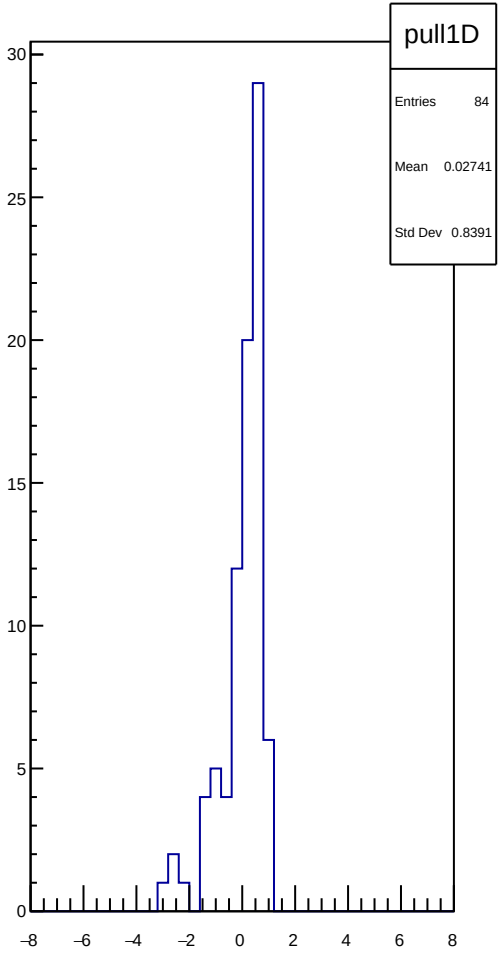

pull1D
Entries 84
Mean −0.001365
Std Dev 0.3226

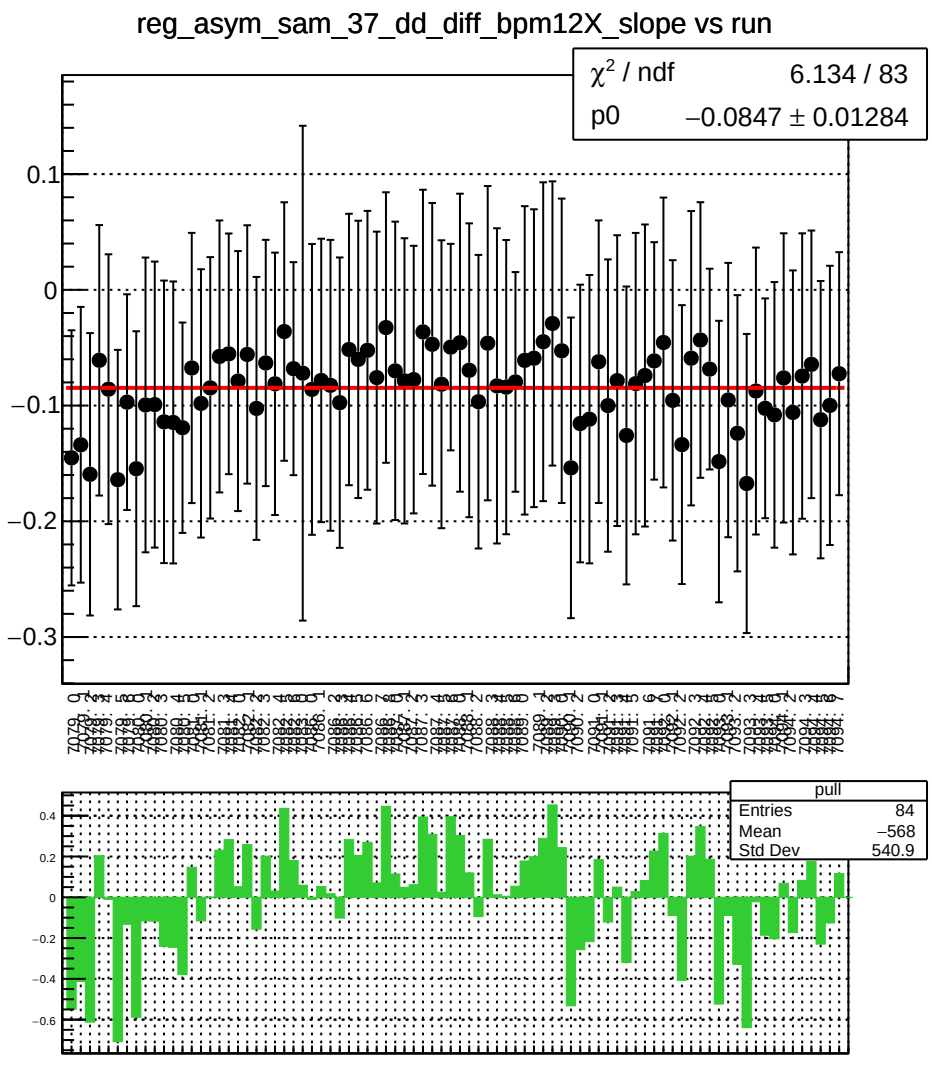

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 173.5 / 83
p0 −24.68 ± 0.3361
pull
Entries 84
Mean 169.5
Std Dev 139
pull1D
Entries 84
Mean 0.1133
Std Dev 1.433

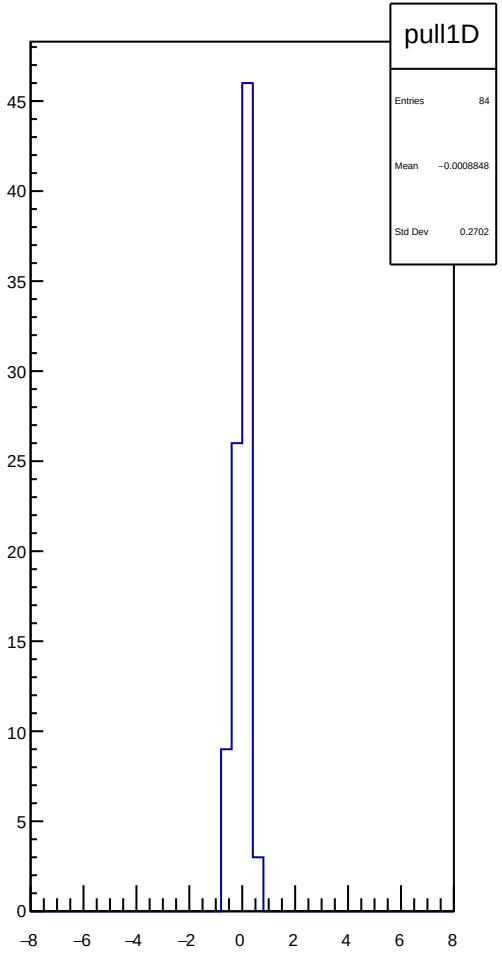

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 55.16 / 83
p0 −6.026 ± 0.2544
pull
Entries 84
Mean 366.5
Std Dev 338
pull1D
Entries 84
Mean −0.02361
Std Dev 0.81

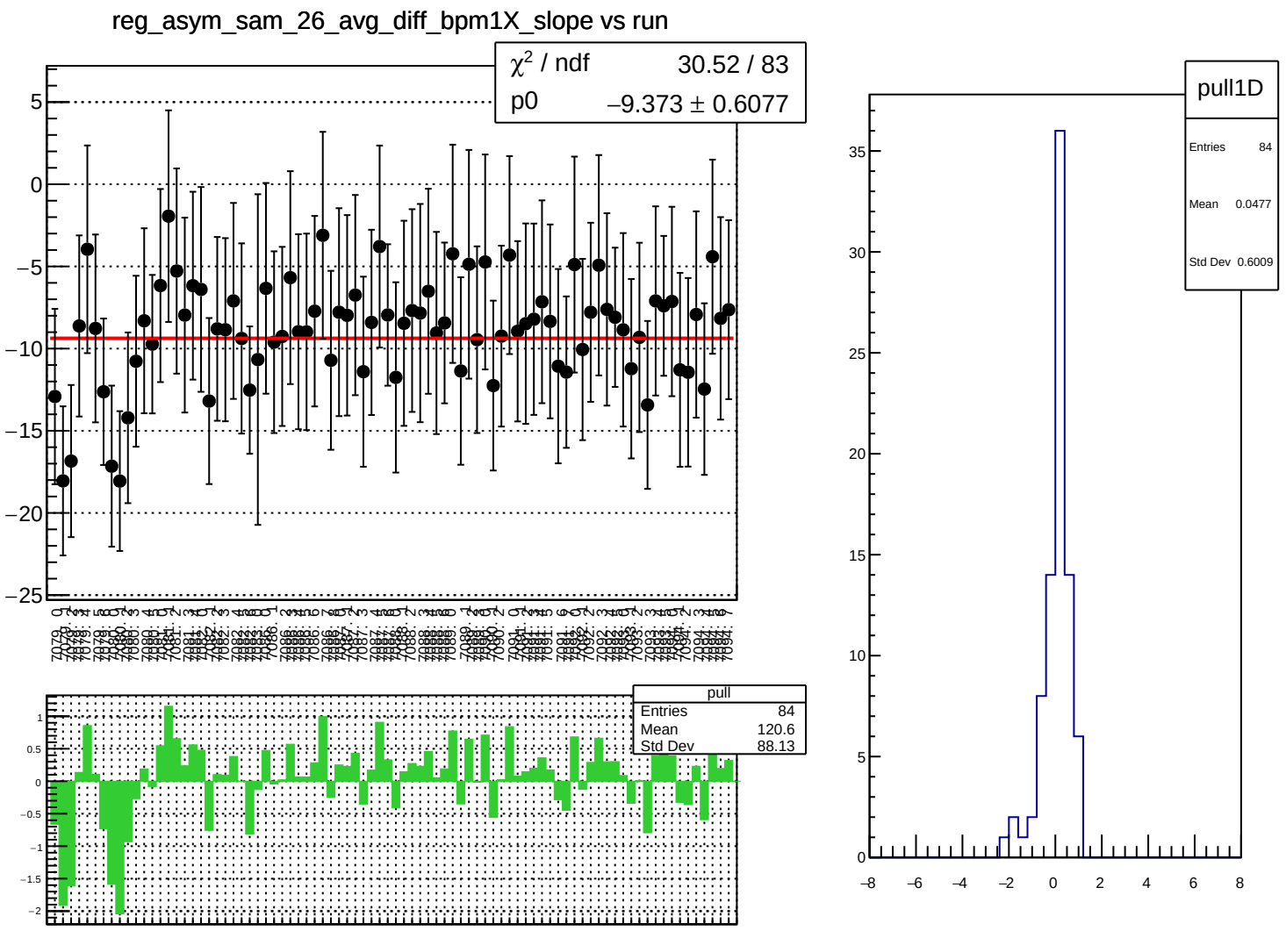

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 112.7 / 83
p0 −11.57 ± 0.3242
pull
Entries 84
Mean 152.5
Std Dev 122.3
pull1D
Entries 84
Mean −0.09898
Std Dev 1.154

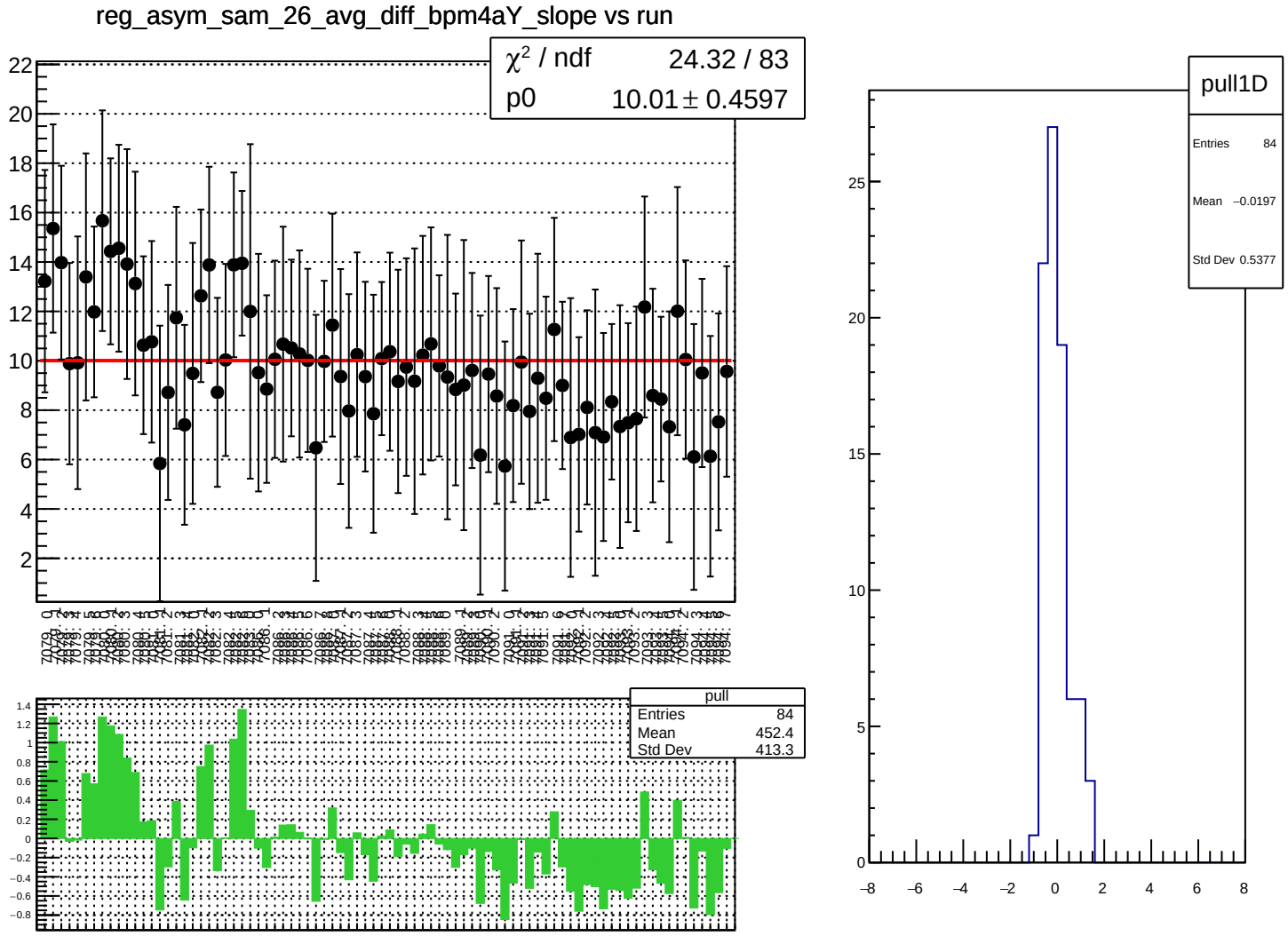

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.2 / 83
p0 20.87 ± 0.2678
pull
Entries 84
Mean 351.4
Std Dev 322.2

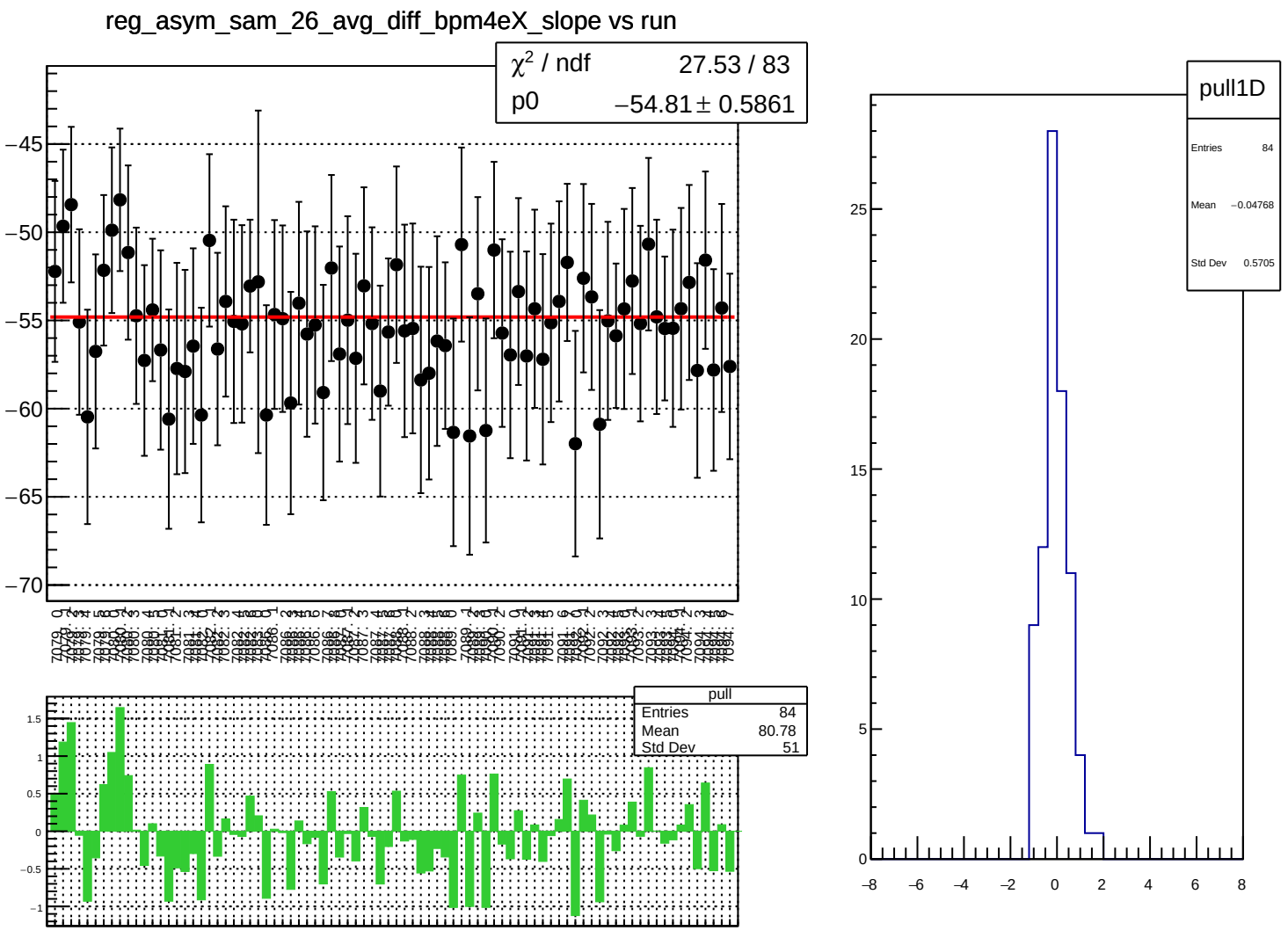

pull1D
Entries 84
Mean 0.02741
Std Dev 0.8391

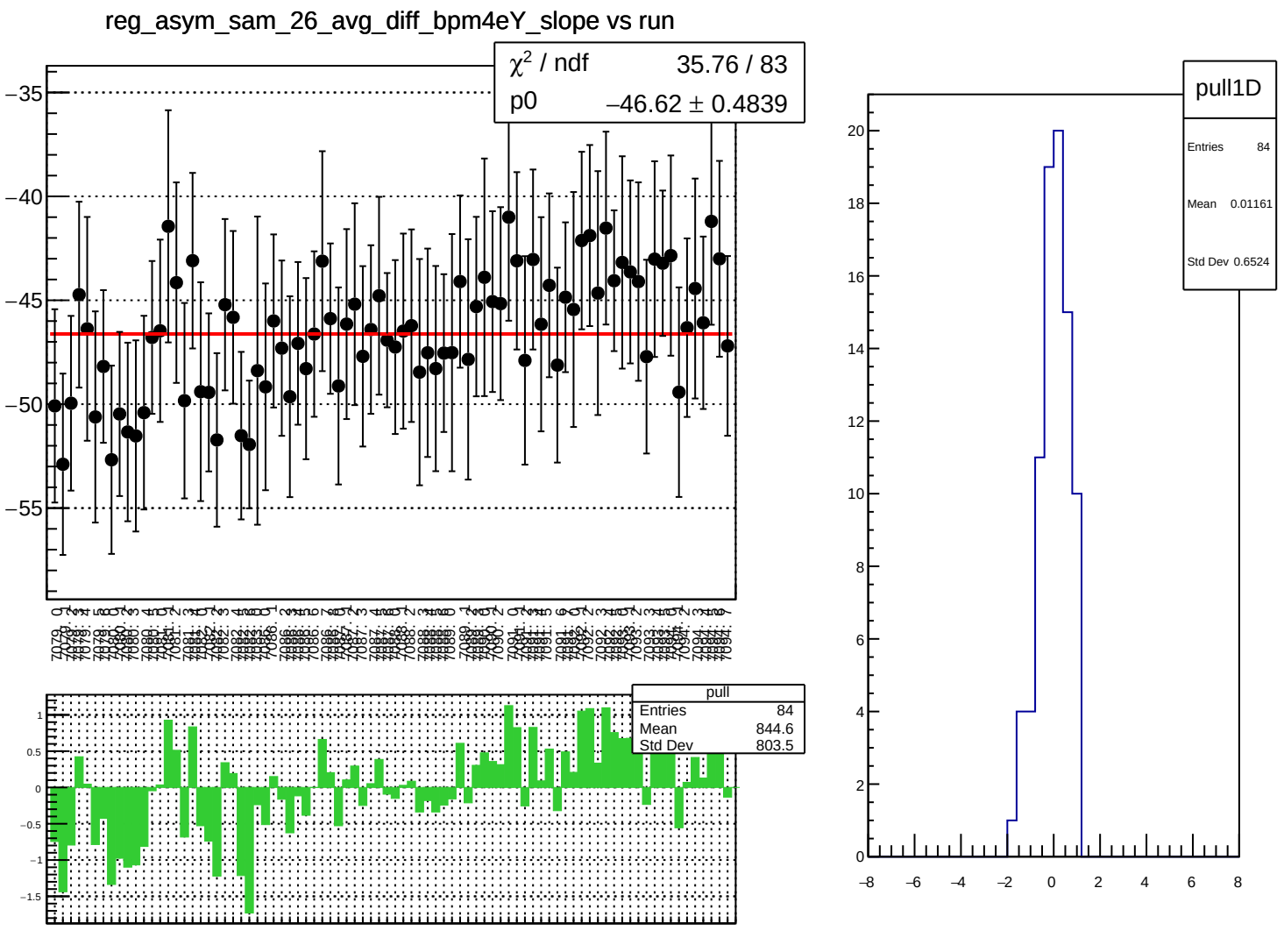

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.134 / 83
p0 −0.0847 ± 0.01284
pull
Entries 84
Mean −568
Std Dev 540.9

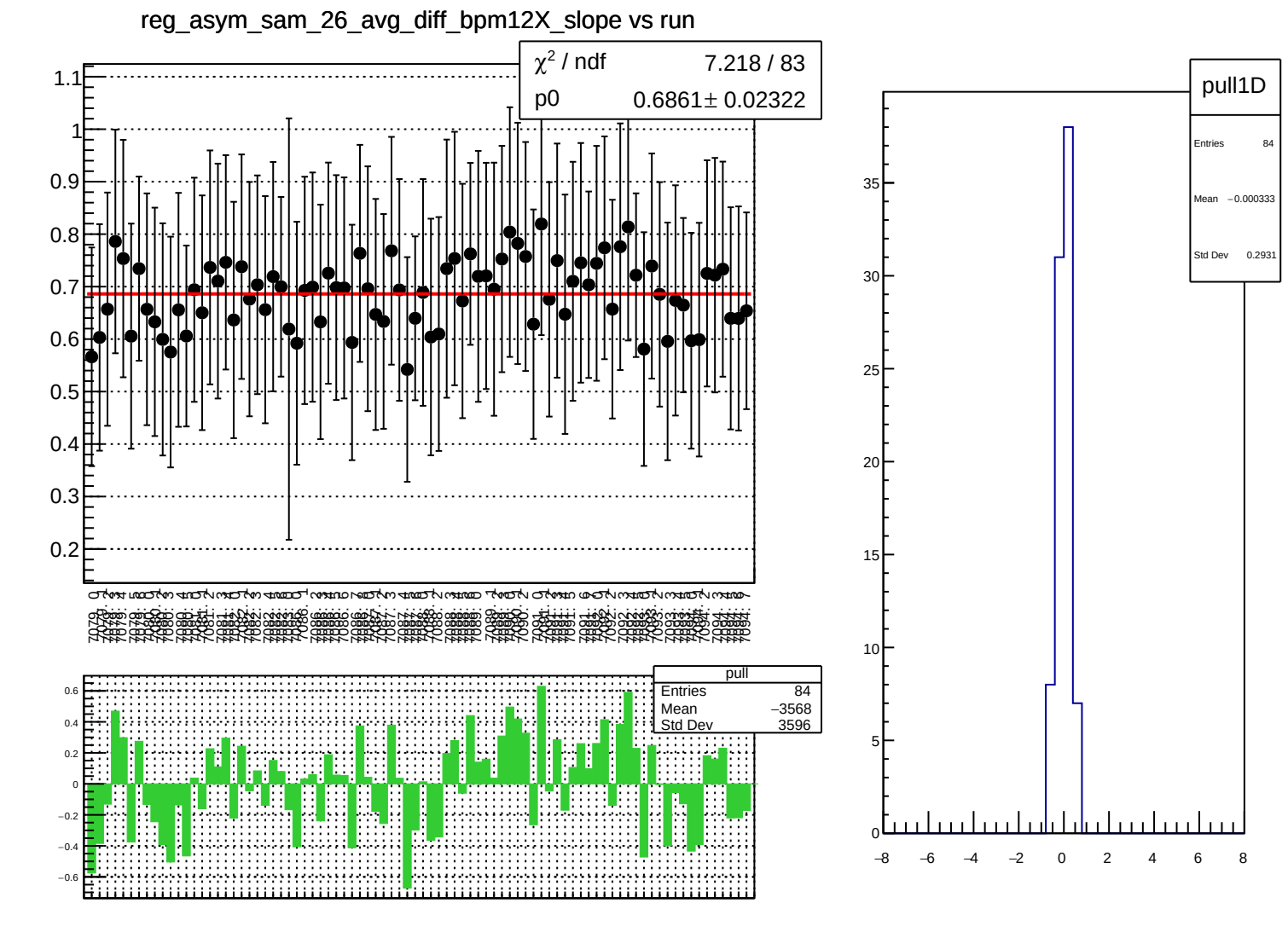

pull1D
Entries 84
Mean −0.0008848
Std Dev 0.2702

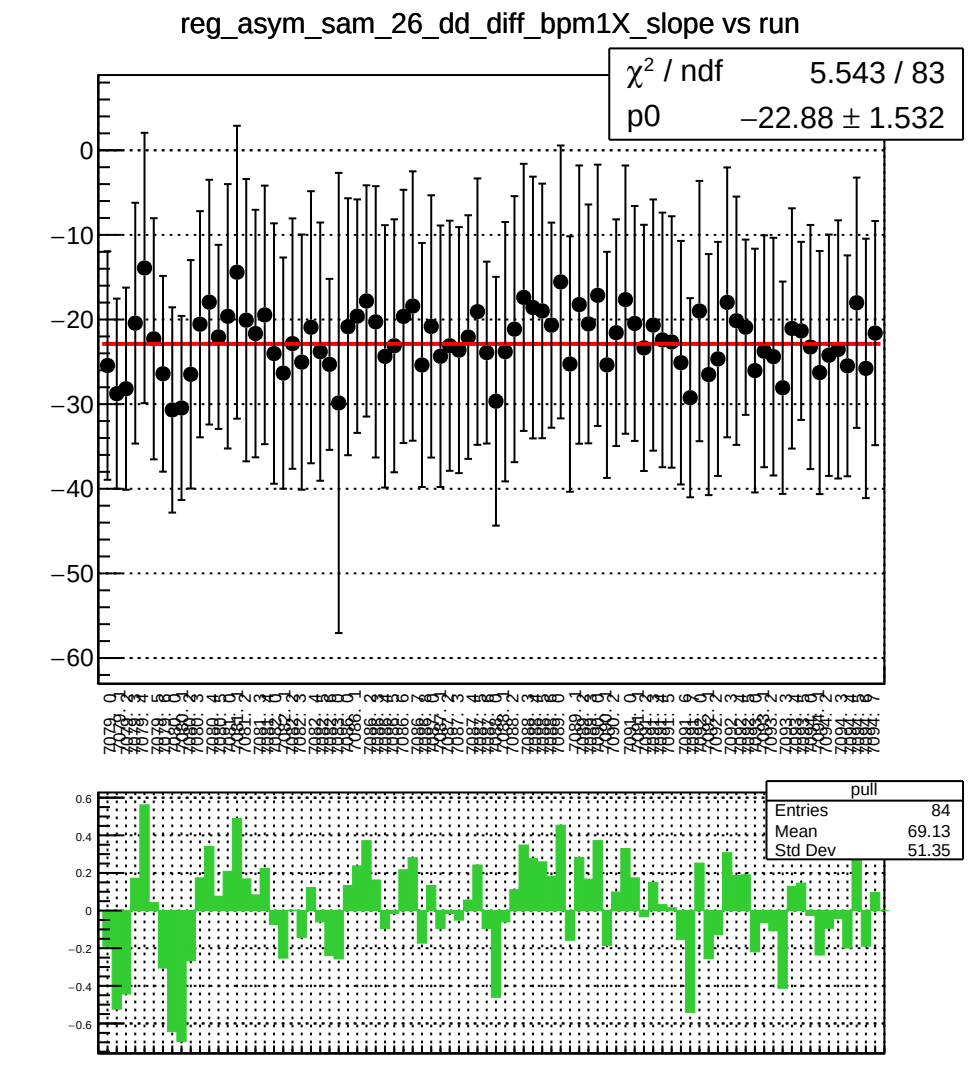

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 30.52 / 83
p0 −9.373 ± 0.6077
pull
Entries 84
Mean 120.6
Std Dev 88.13
pull1D
Entries 84
Mean 0.0477
Std Dev 0.6009

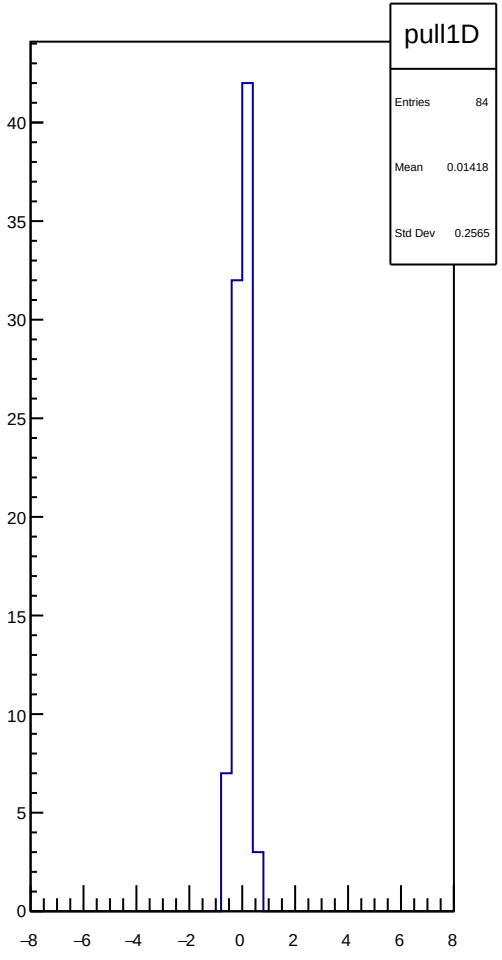

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 24.32 / 83
p0 10.01 ± 0.4597
pull
Entries 84
Mean 452.4
Std Dev 413.3
pull1D
Entries 84
Mean −0.0197
Std Dev 0.5377

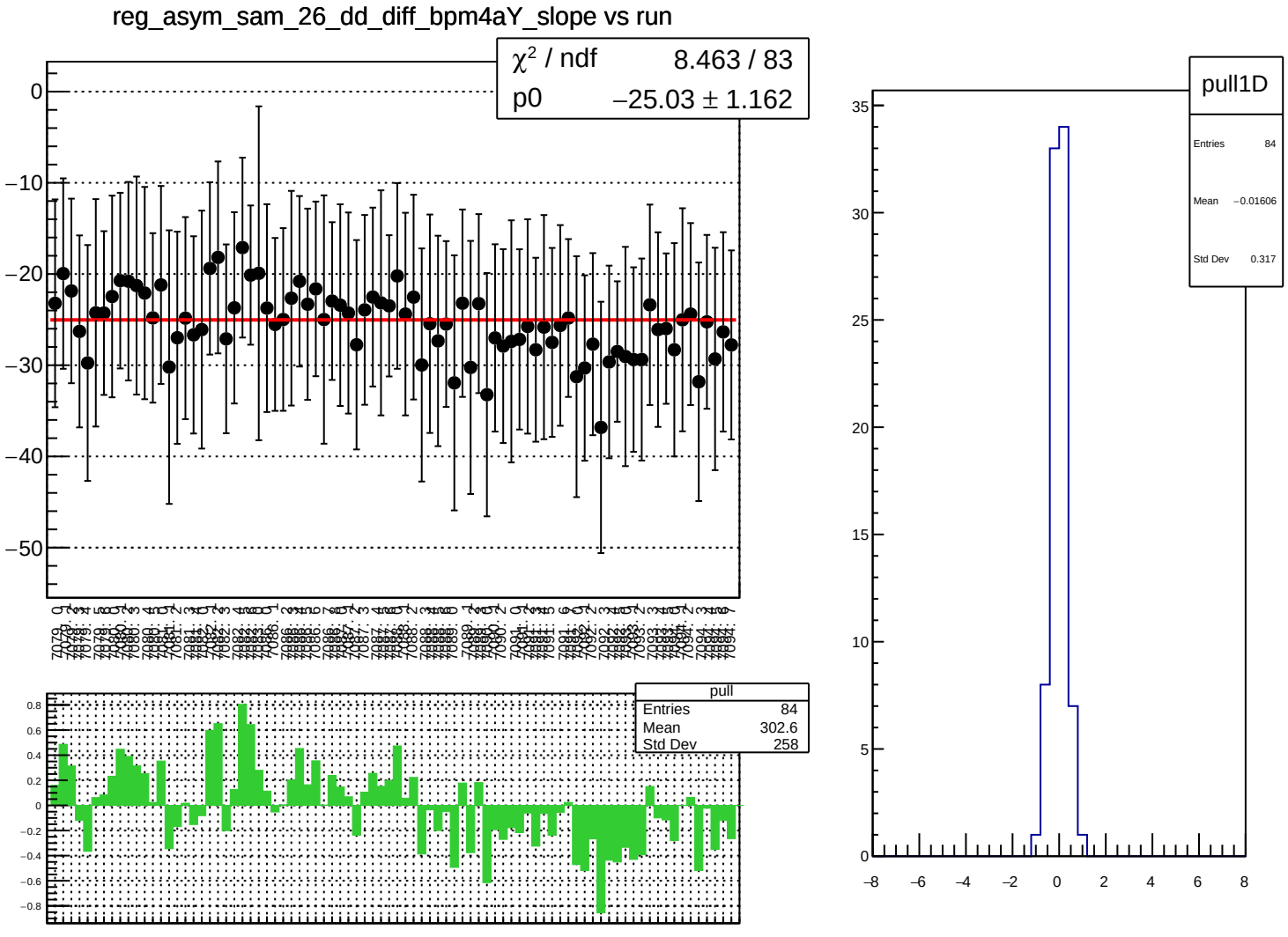

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.53 / 83
p0 −54.81 ± 0.5861
−45
−50
−55
−60
−65
−70
pull
Entries 84
Mean 80.78
Std Dev 51
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean −0.04768
Std Dev 0.5705
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

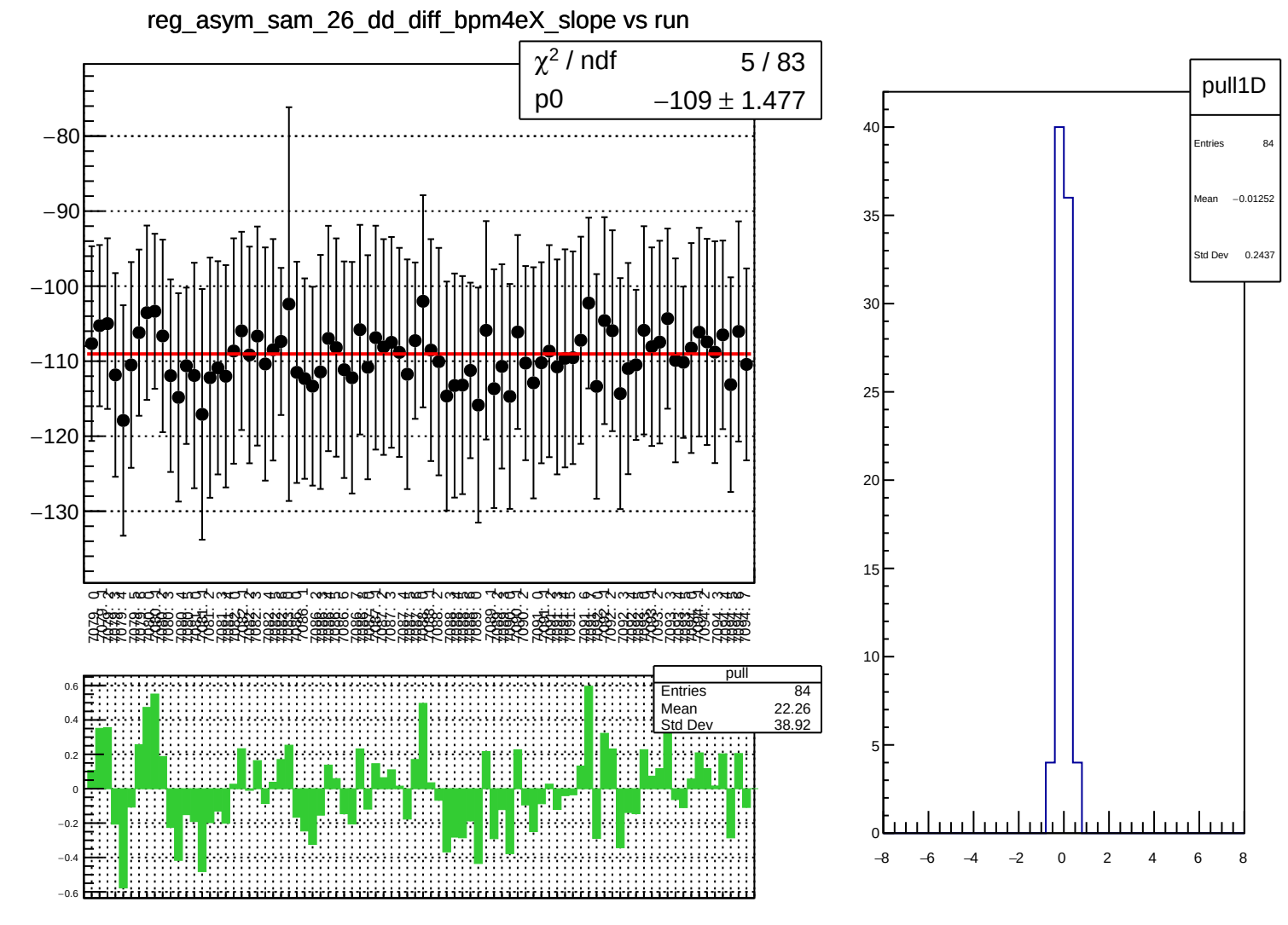

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 35.76 / 83
p0 −46.62 ± 0.4839
−35
−40
−45
−50
−55
pull
Entries 84
Mean 844.6
Std Dev 803.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.01161
Std Dev 0.6524
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

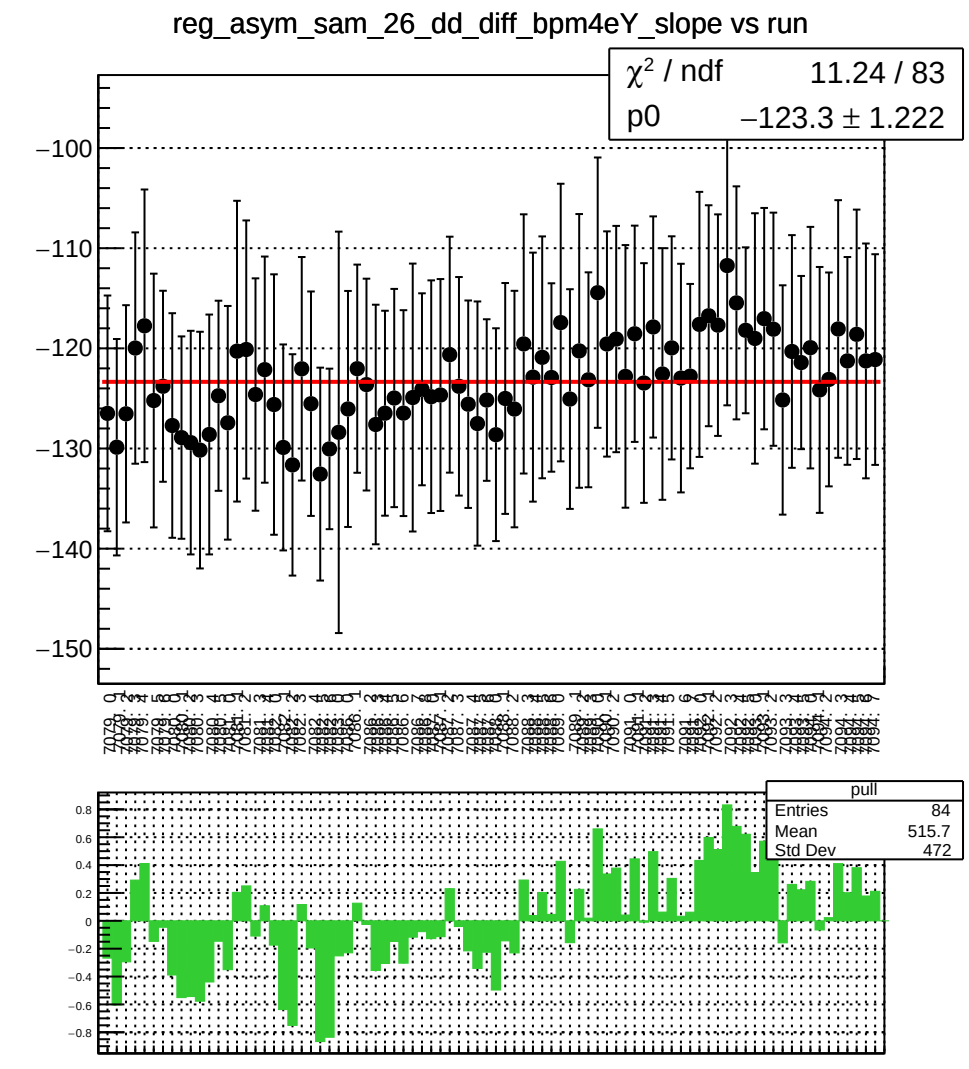

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 7.218 / 83
p0 0.6861± 0.02322
pull
Entries 84
Mean −3568
Std Dev 3596
pull1D
Entries 84
Mean −0.000333
Std Dev 0.2931

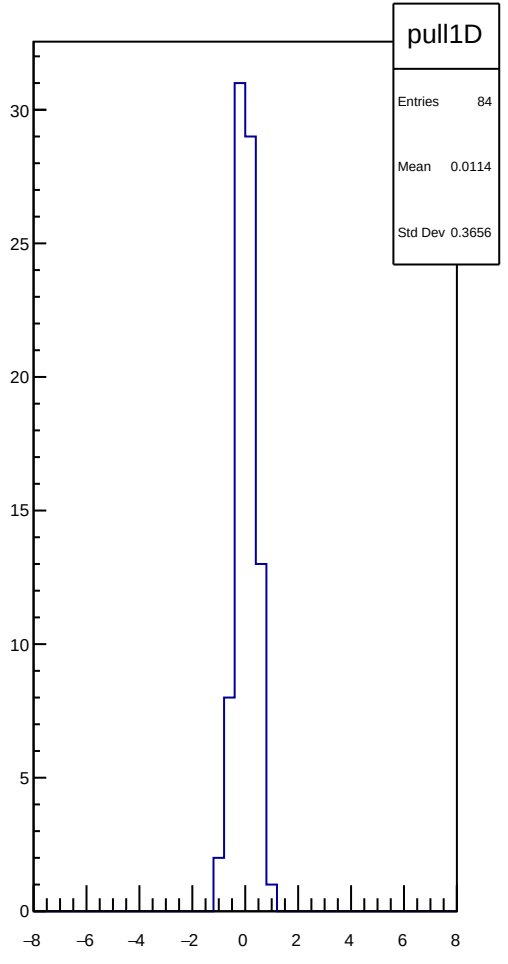

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 5.543 / 83
p0 −22.88 ± 1.532
pull
Entries 84
Mean 69.13
Std Dev 51.35

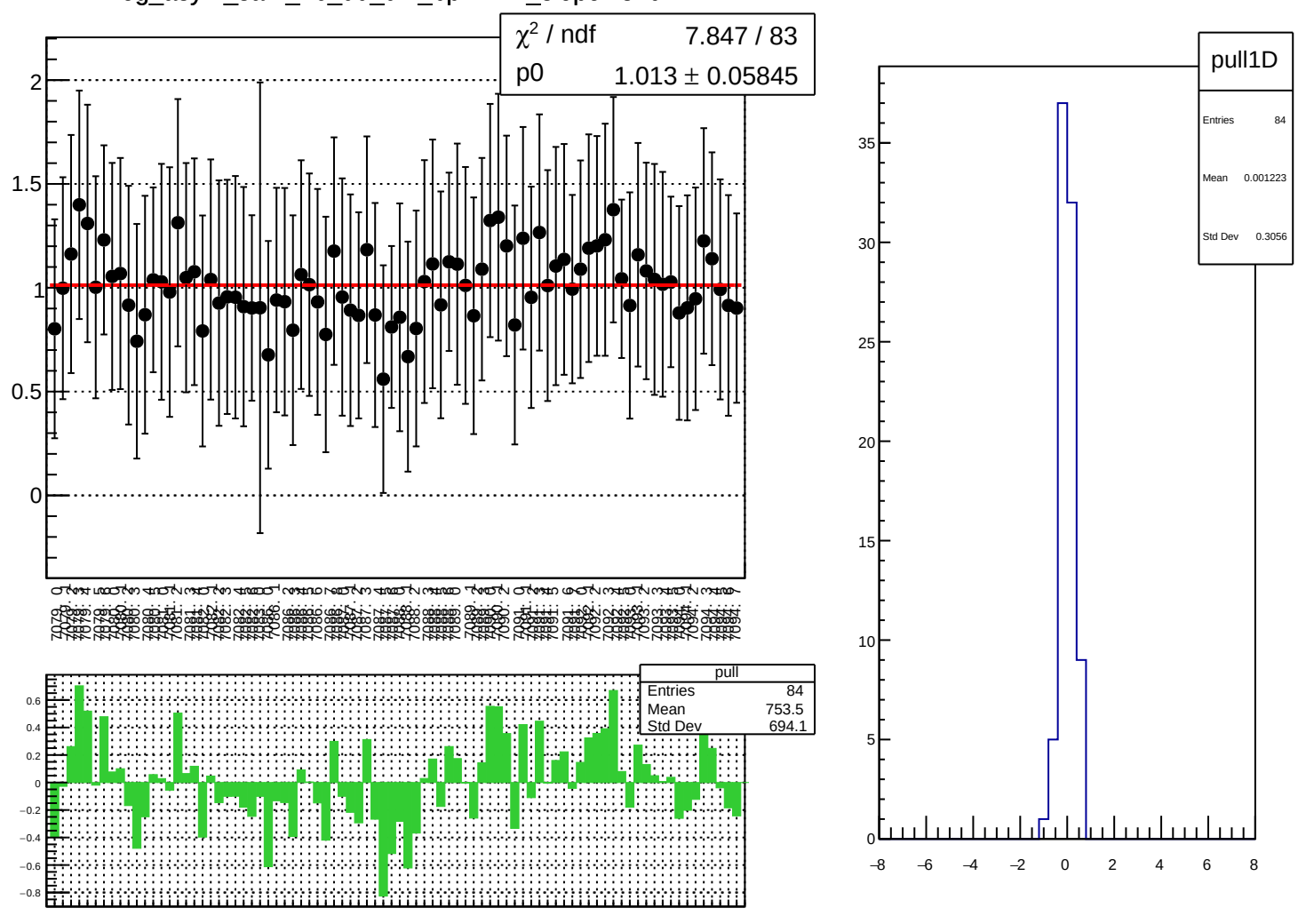

pull1D
Entries 84
Mean 0.01418
Std Dev 0.2565

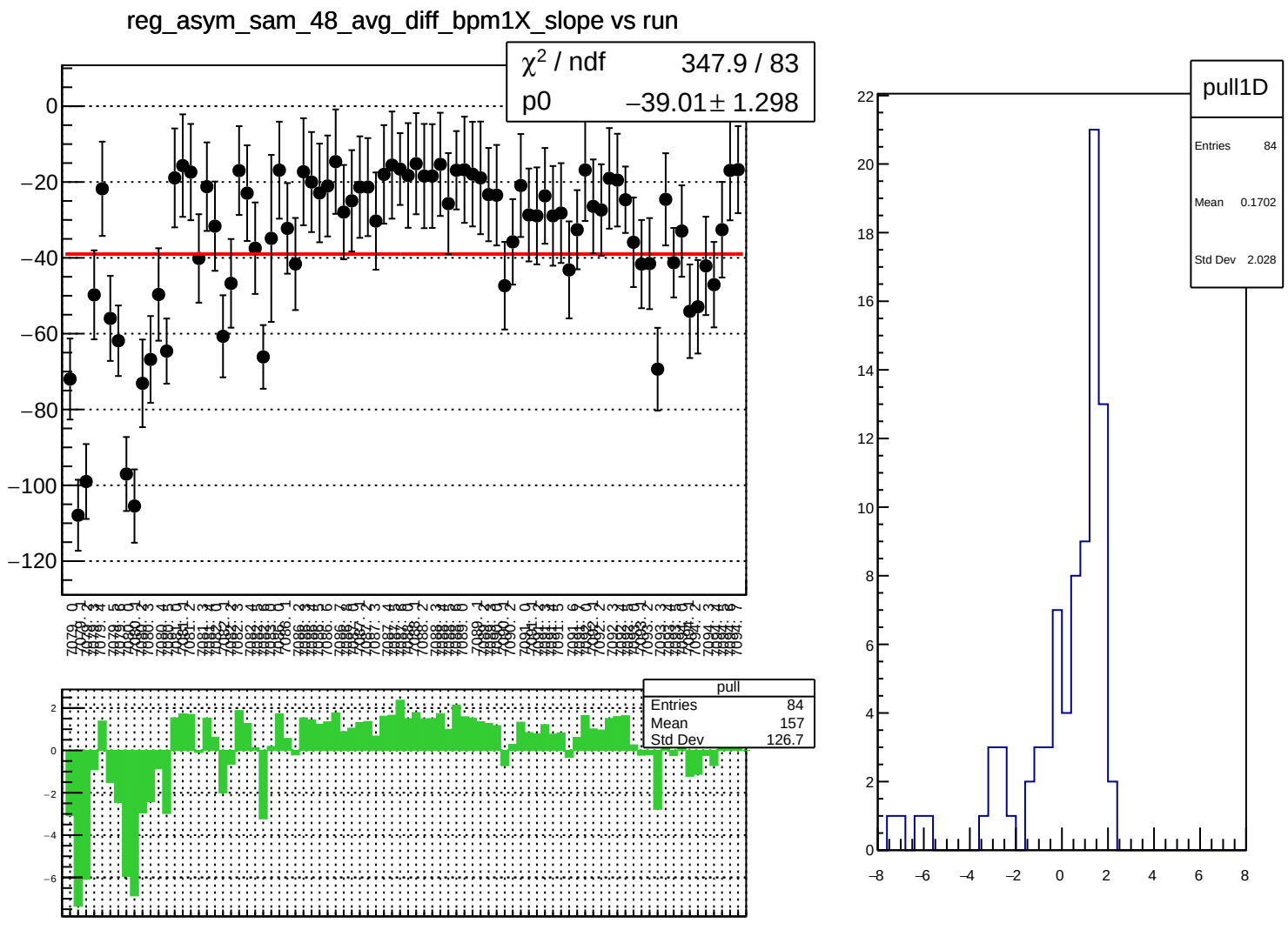

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.463 / 83
p0 −25.03 ± 1.162
pull
Entries 84
Mean 302.6
Std Dev 258
pull1D
Entries 84
Mean −0.01606
Std Dev 0.317

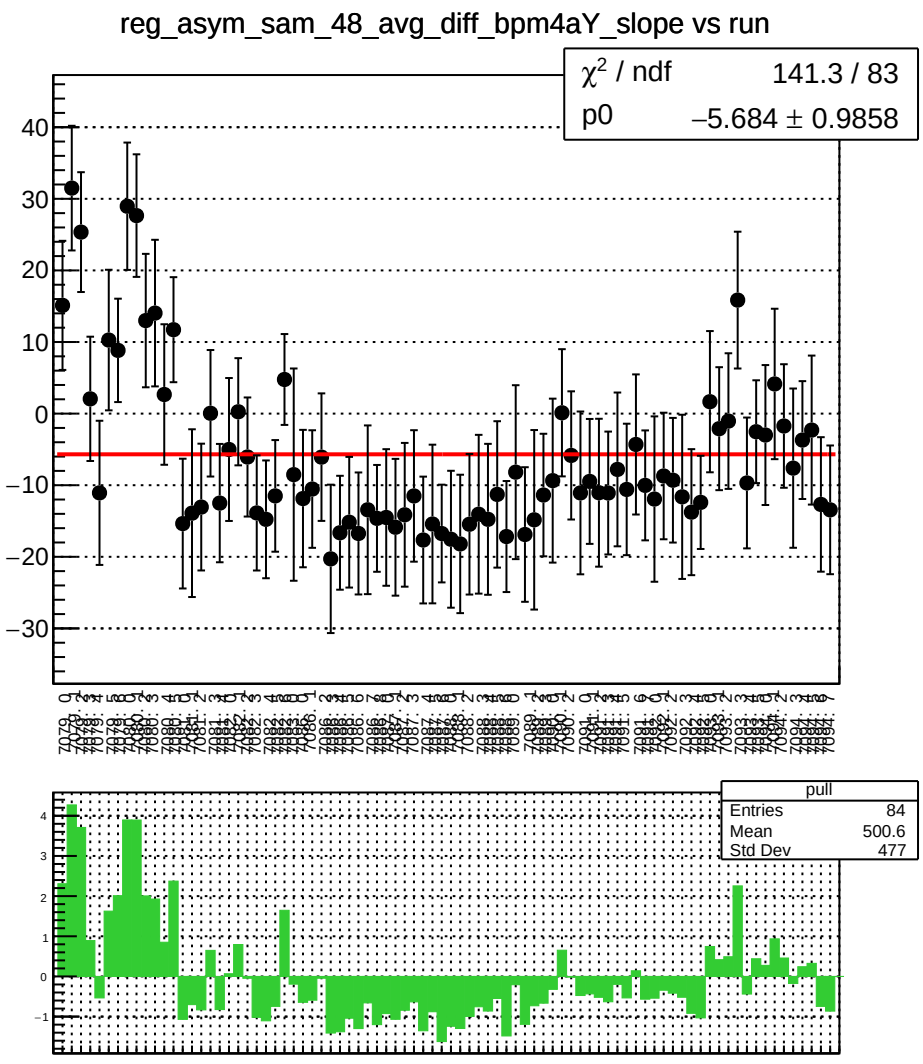

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 5 / 83
p0 −109 ± 1.477
pull
Entries 84
Mean 22.26
Std Dev 38.92
pull1D
Entries 84
Mean −0.01252
Std Dev 0.2437

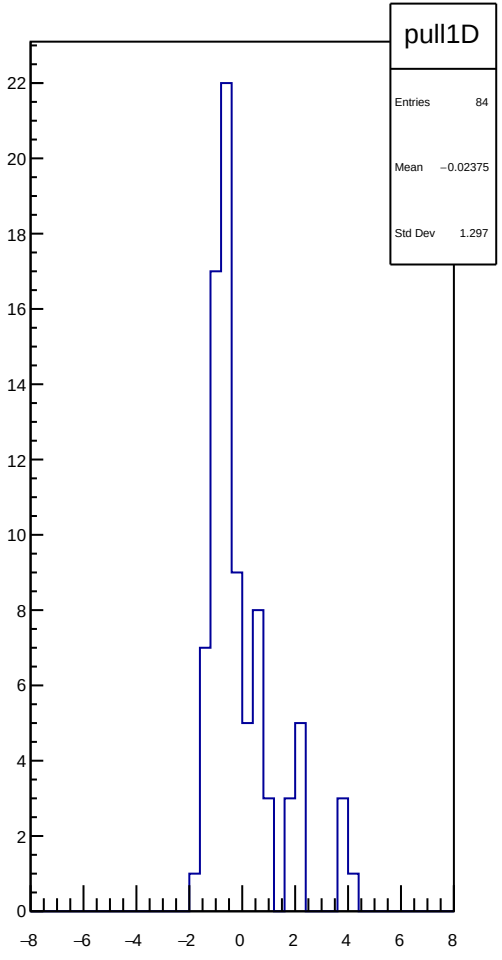

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.24 / 83
p0 −123.3 ± 1.222
−100
−110
−120
−130
−140
−150
pull
Entries 84
Mean 515.7
Std Dev 472
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

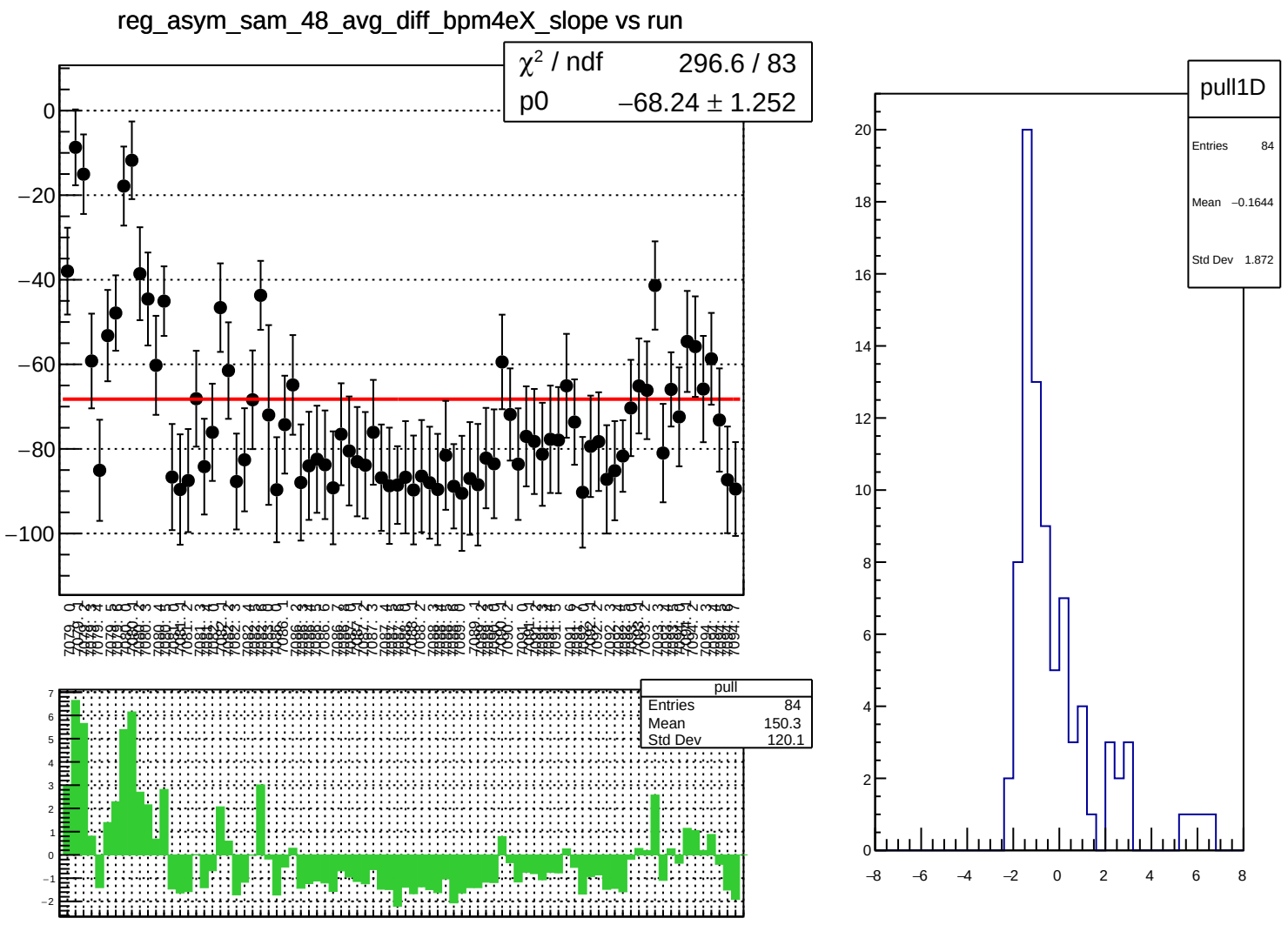

pull1D
Entries 84
Mean 0.0114
Std Dev 0.3656
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

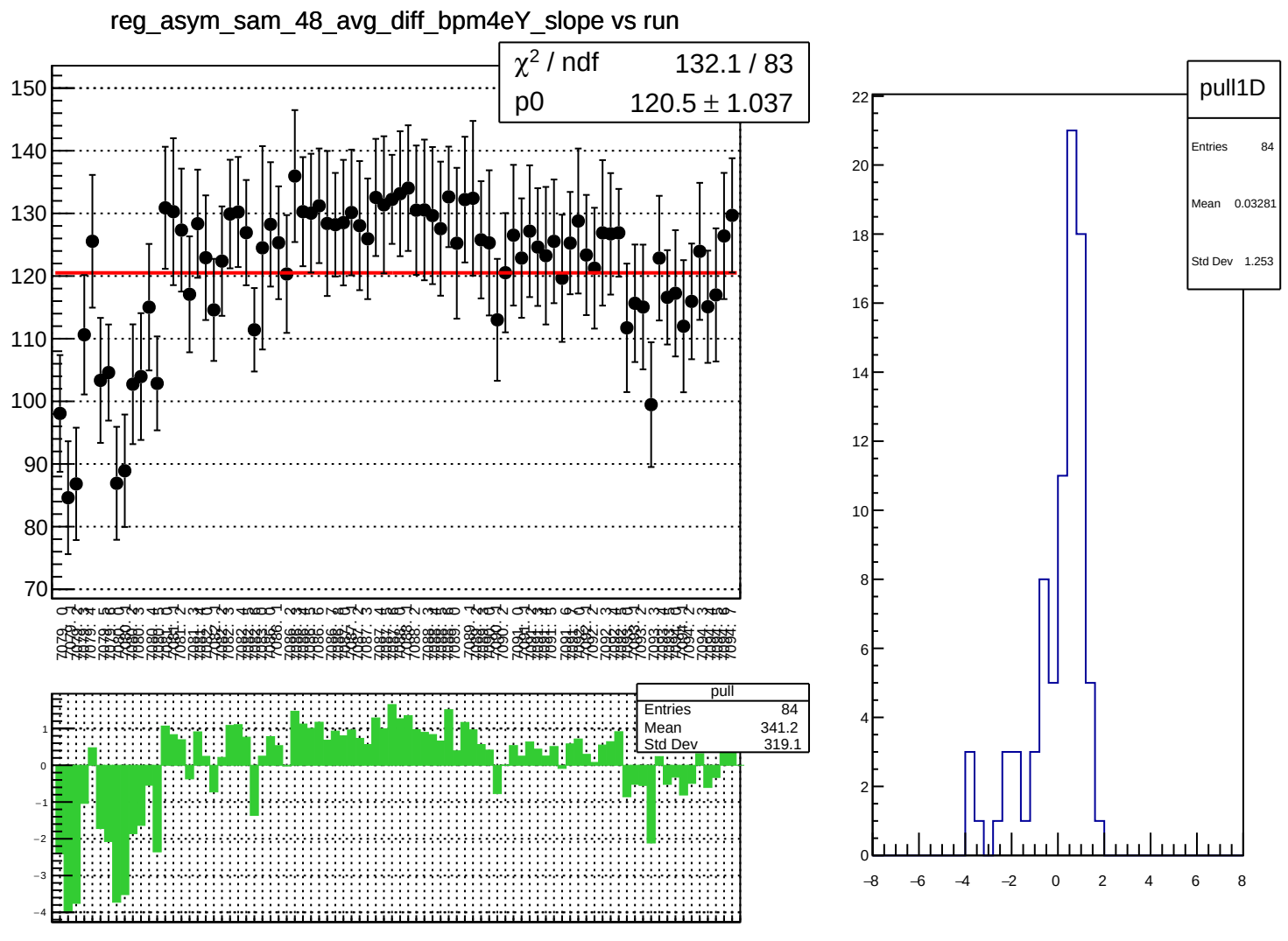

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 7.847 / 83
p0 1.013 ± 0.05845
pull
Entries 84
Mean 753.5
Std Dev 694.1
pull1D
Entries 84
Mean 0.001223
Std Dev 0.3056

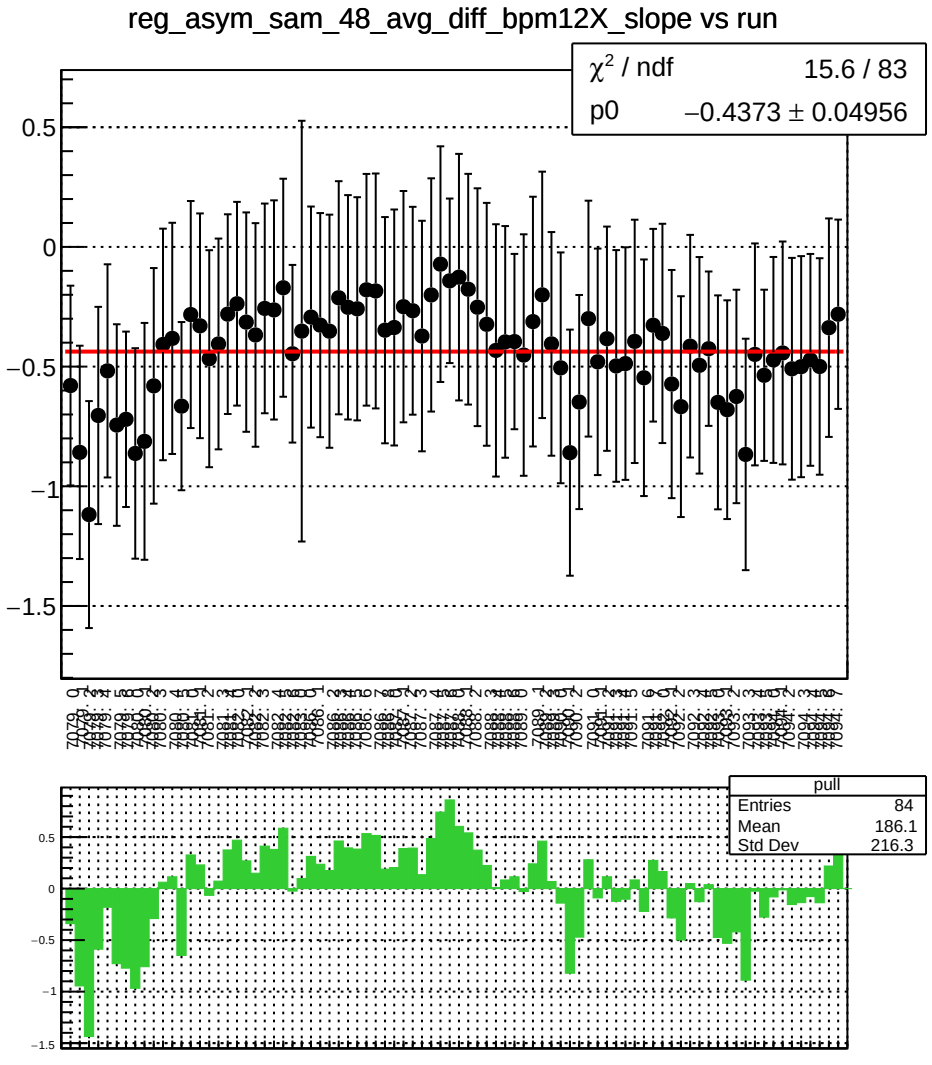

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 347.9 / 83
p0 −39.01 ± 1.298
pull
Entries 84
Mean 157
Std Dev 126.7
pull1D
Entries 84
Mean 0.1702
Std Dev 2.028

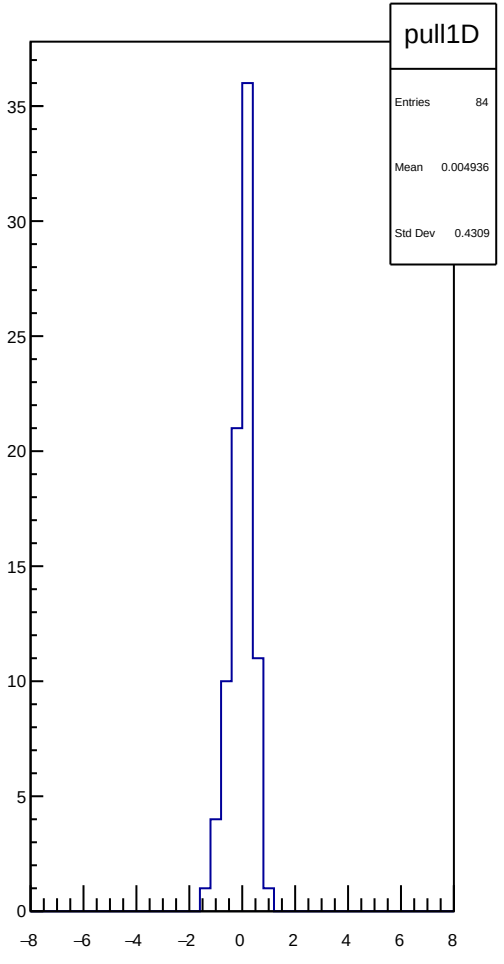

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 141.3 / 83
p0 −5.684 ± 0.9858
pull
Entries 84
Mean 500.6
Std Dev 477

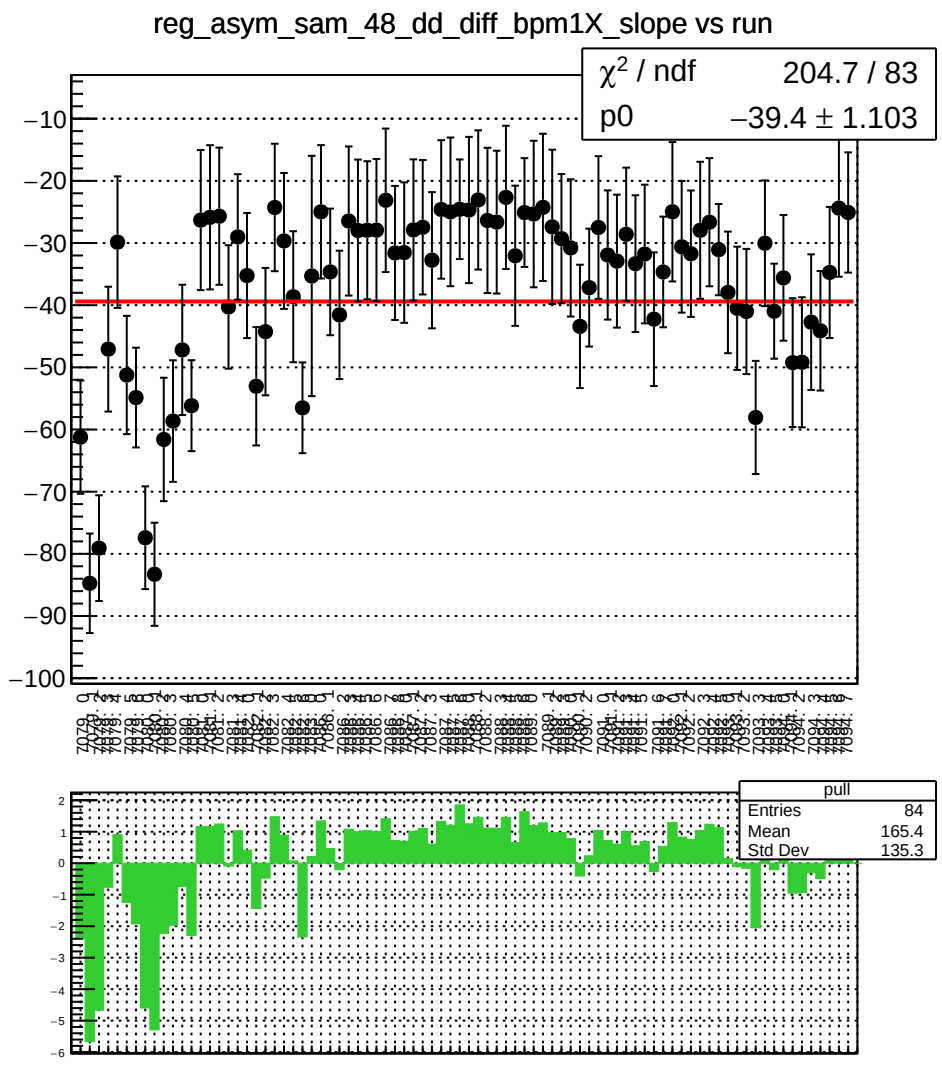

pull1D
Entries 84
Mean −0.02375
Std Dev 1.297

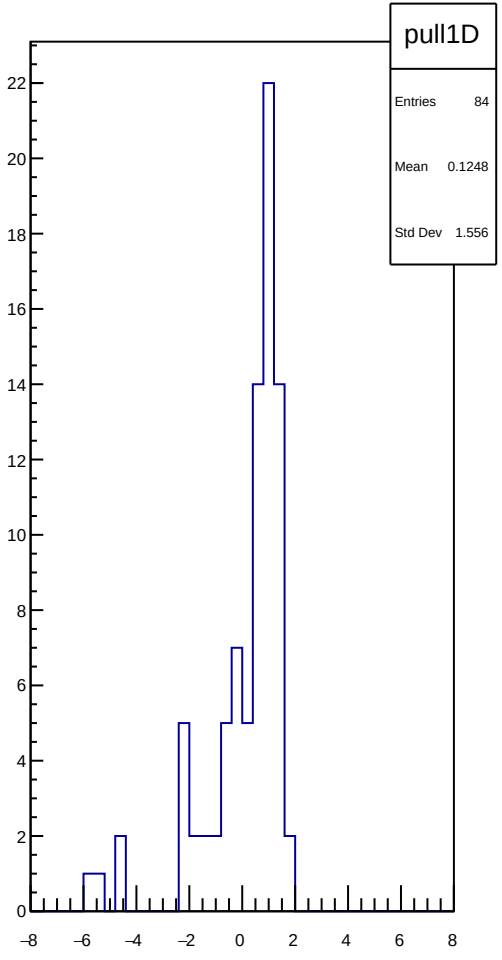

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 296.6 / 83
p0 −68.24 ± 1.252
pull
Entries 84
Mean 150.3
Std Dev 120.1
pull1D
Entries 84
Mean −0.1644
Std Dev 1.872

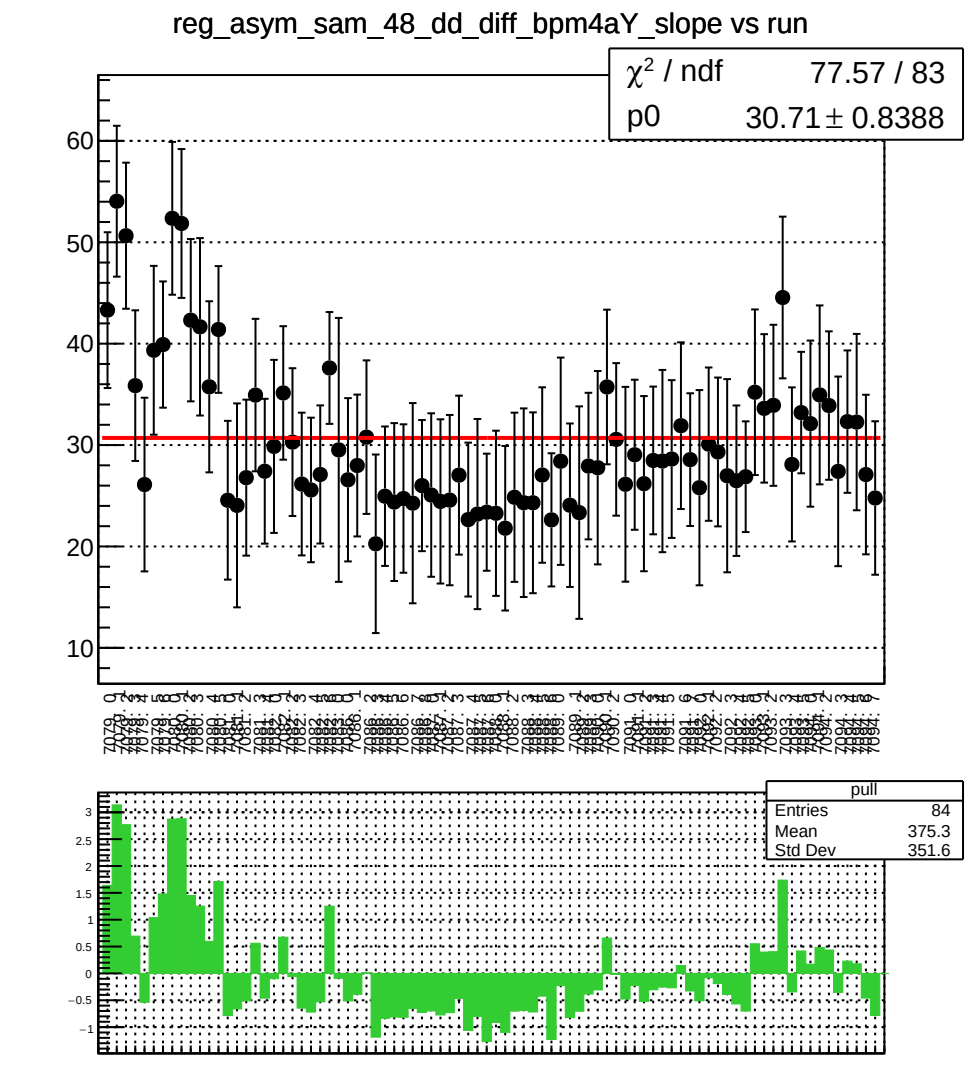

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 132.1 / 83
p0 120.5 ± 1.037
150
140
130
120
110
100
90
80
70
pull
Entries 84
Mean 341.2
Std Dev 319.1
1
0
−1
−2
−3
−4
pull1D
Entries 84
Mean 0.03281
Std Dev 1.253
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

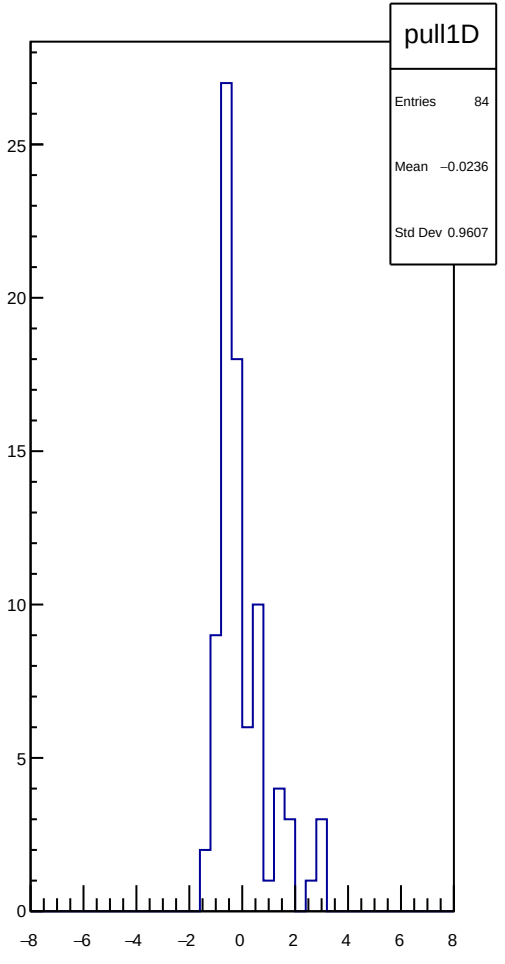

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 15.6 / 83
p0 −0.4373 ± 0.04956
pull
Entries 84
Mean 186.1
Std Dev 216.3

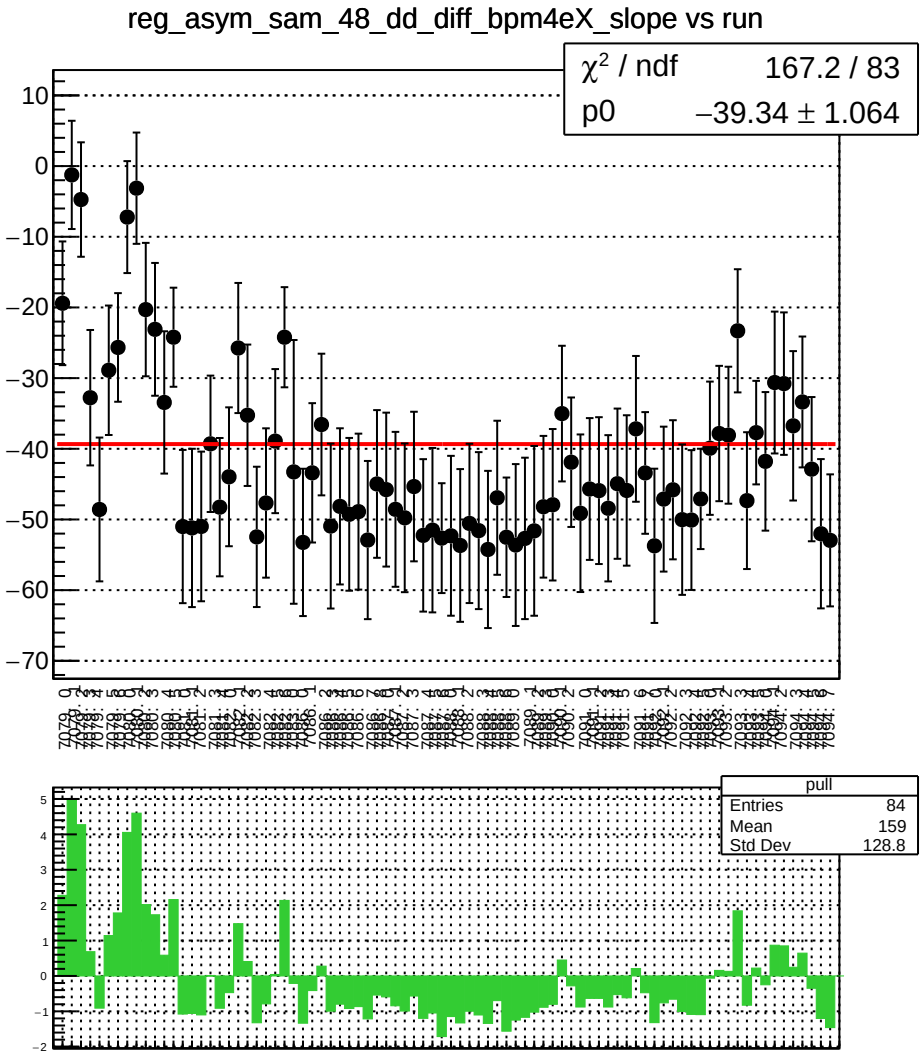

pull1D
Entries 84
Mean 0.004936
Std Dev 0.4309

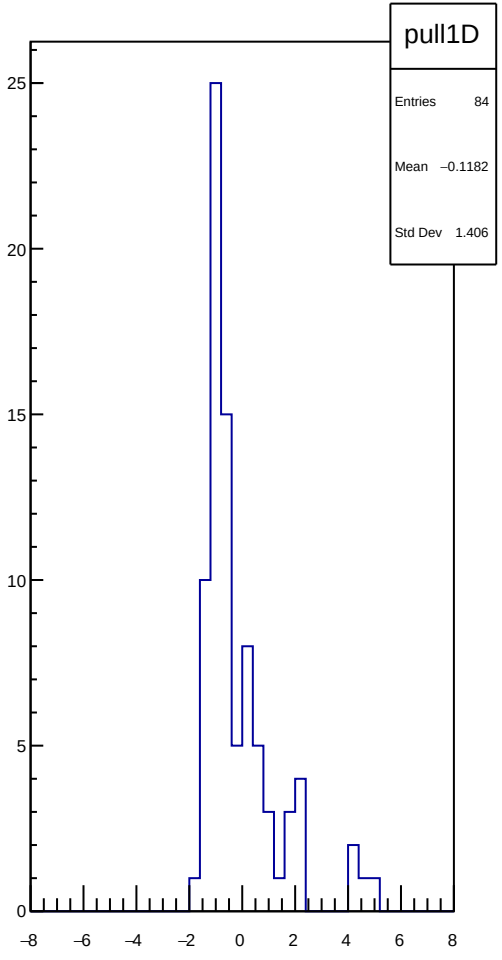

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 204.7 / 83
p0 −39.4 ± 1.103
pull
Entries 84
Mean 165.4
Std Dev 135.3

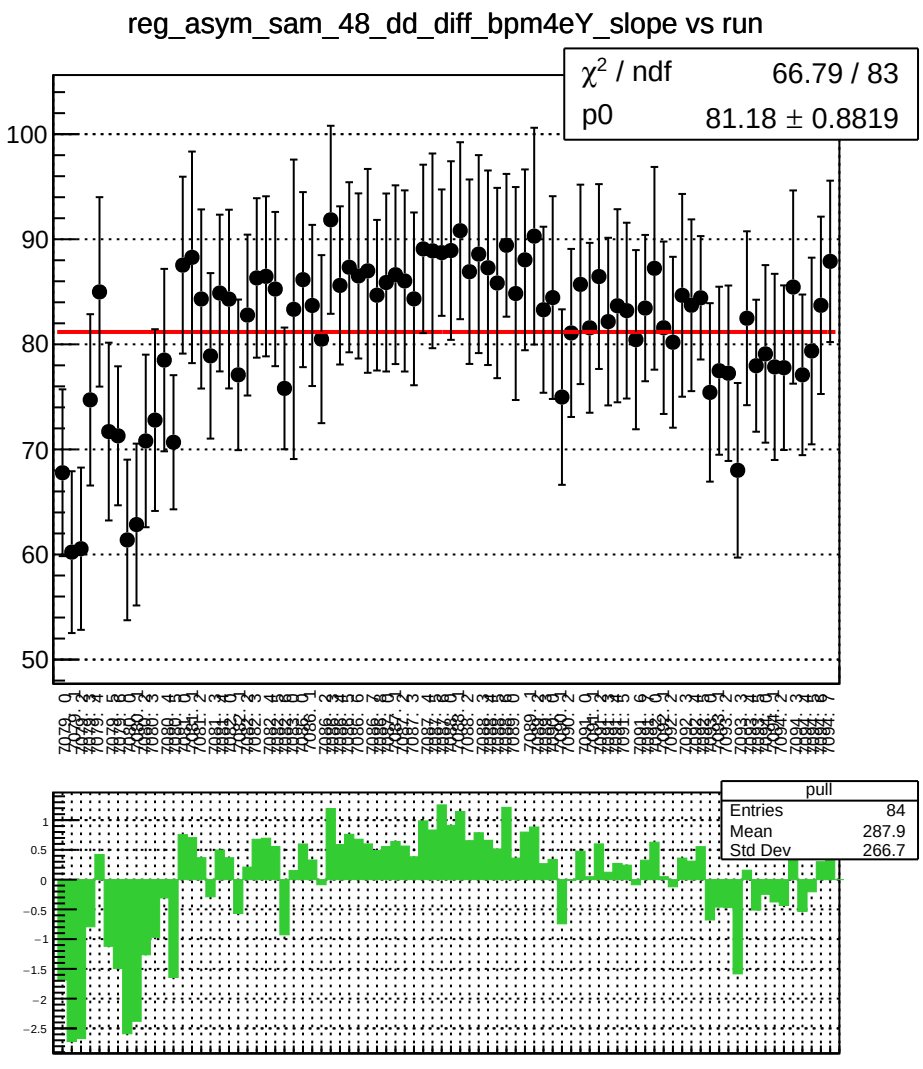

pull1D
Entries 84
Mean 0.1248
Std Dev 1.556

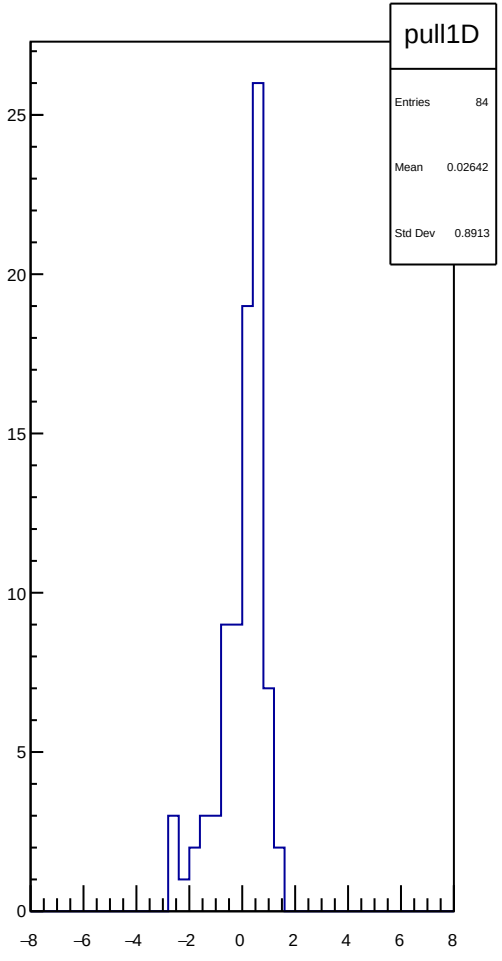

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 77.57 / 83
p0 30.71 ± 0.8388
pull
Entries 84
Mean 375.3
Std Dev 351.6

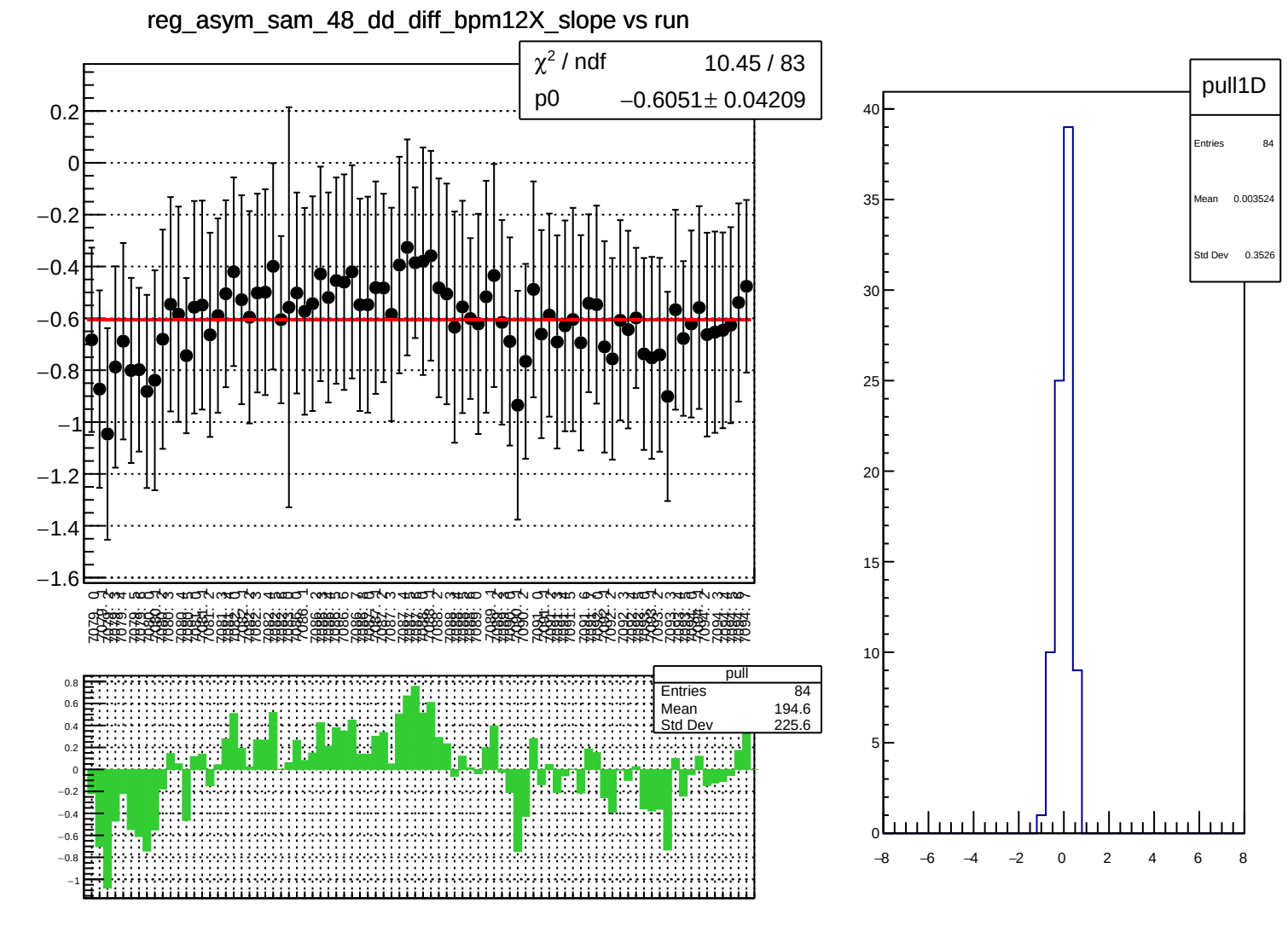

pull1D
Entries 84
Mean −0.0236
Std Dev 0.9607

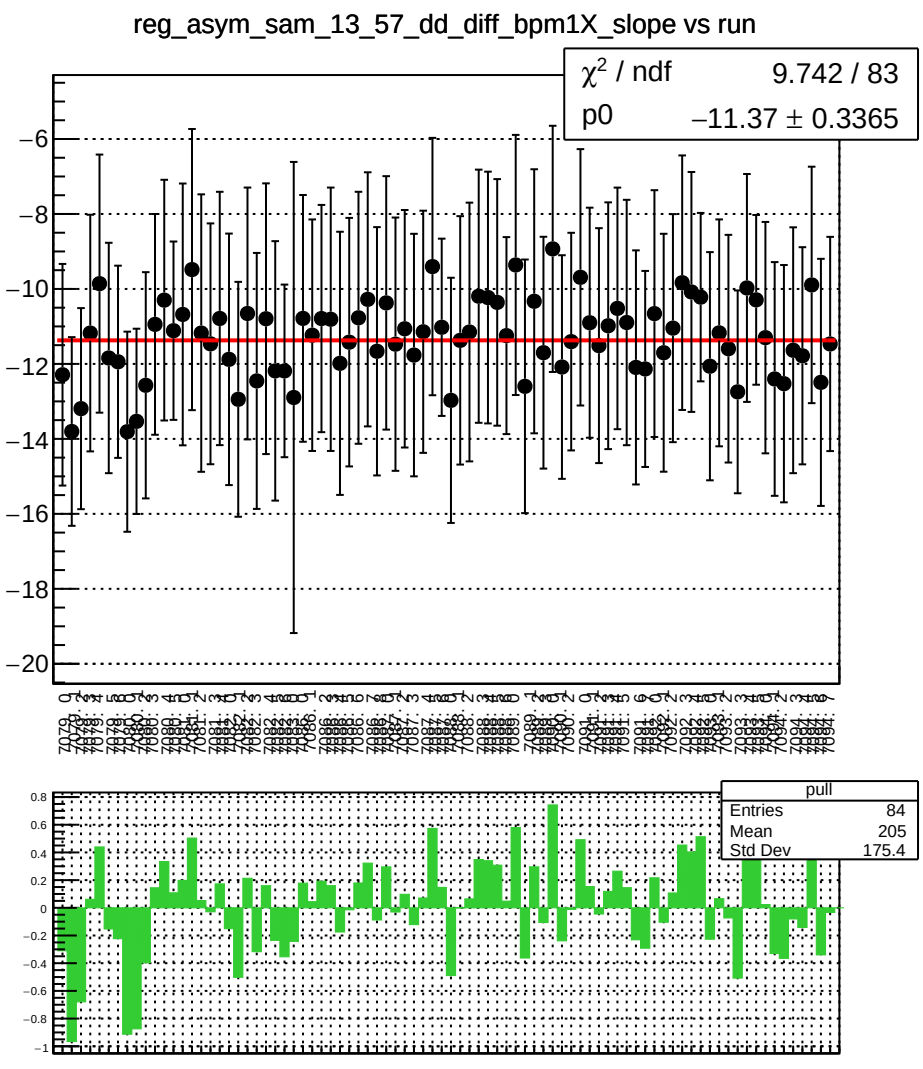

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 167.2 / 83
p0 −39.34 ± 1.064
pull
Entries 84
Mean 159
Std Dev 128.8

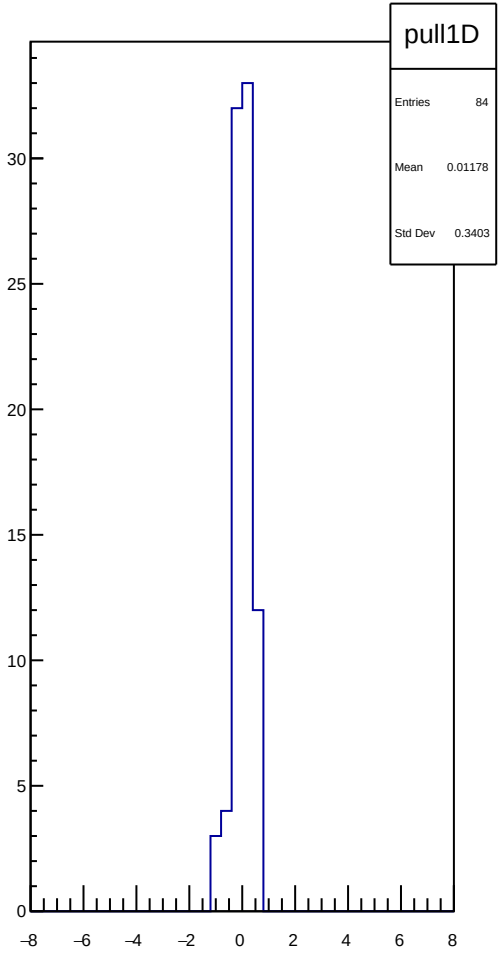

pull1D
Entries 84
Mean −0.1182
Std Dev 1.406

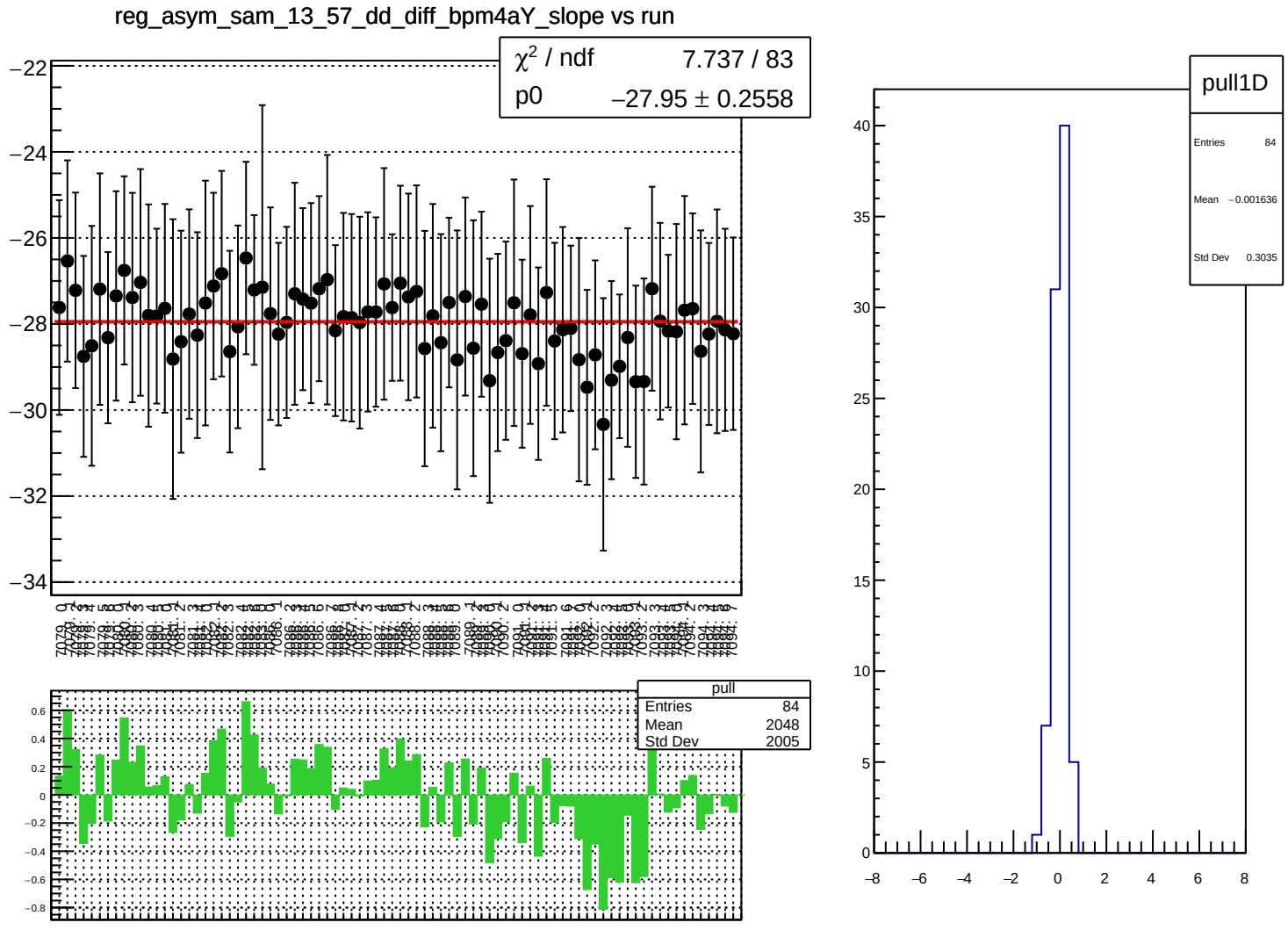

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 66.79 / 83
p0 81.18 ± 0.8819
pull
Entries 84
Mean 287.9
Std Dev 266.7

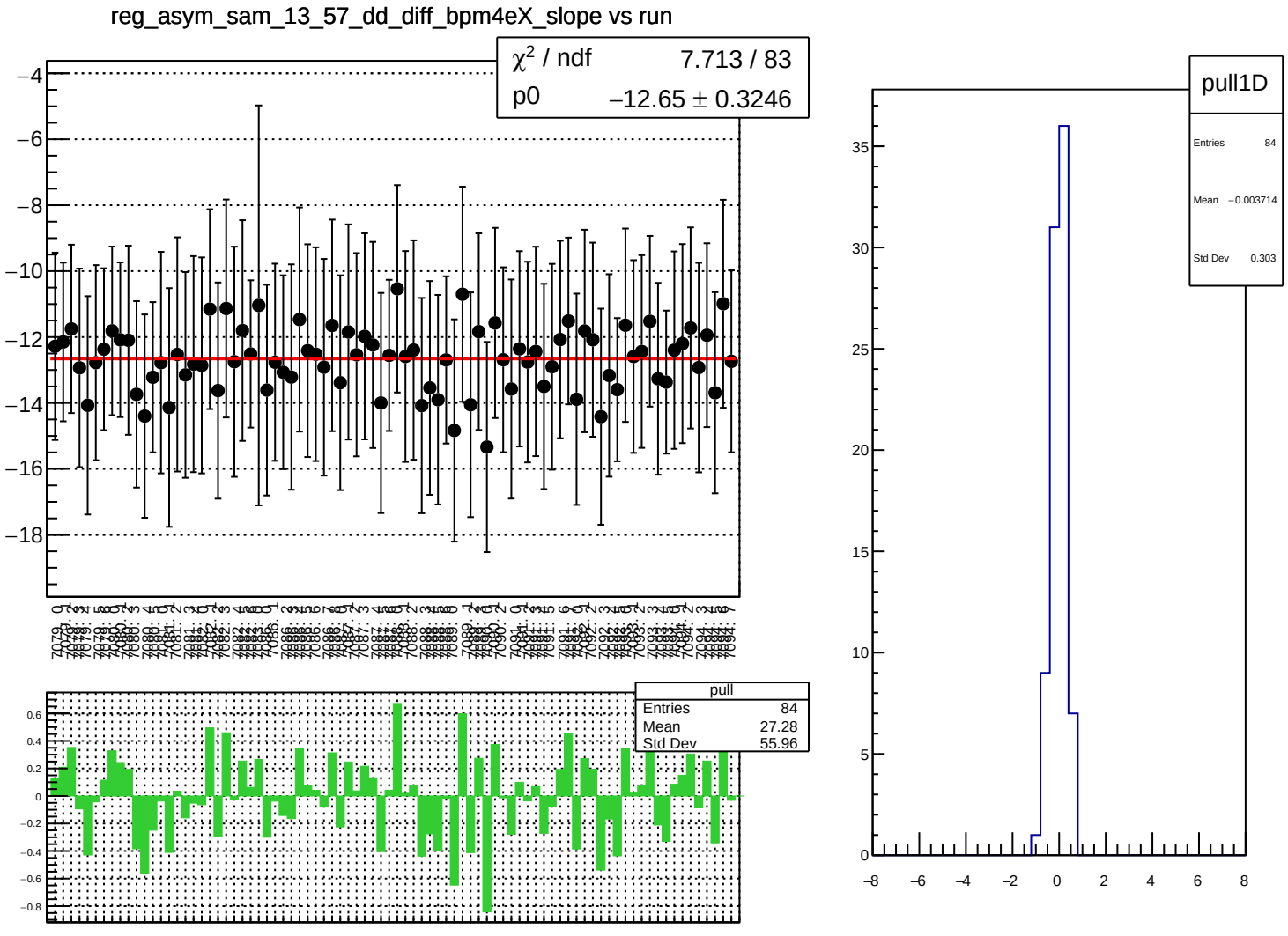

pull1D
Entries 84
Mean 0.02642
Std Dev 0.8913

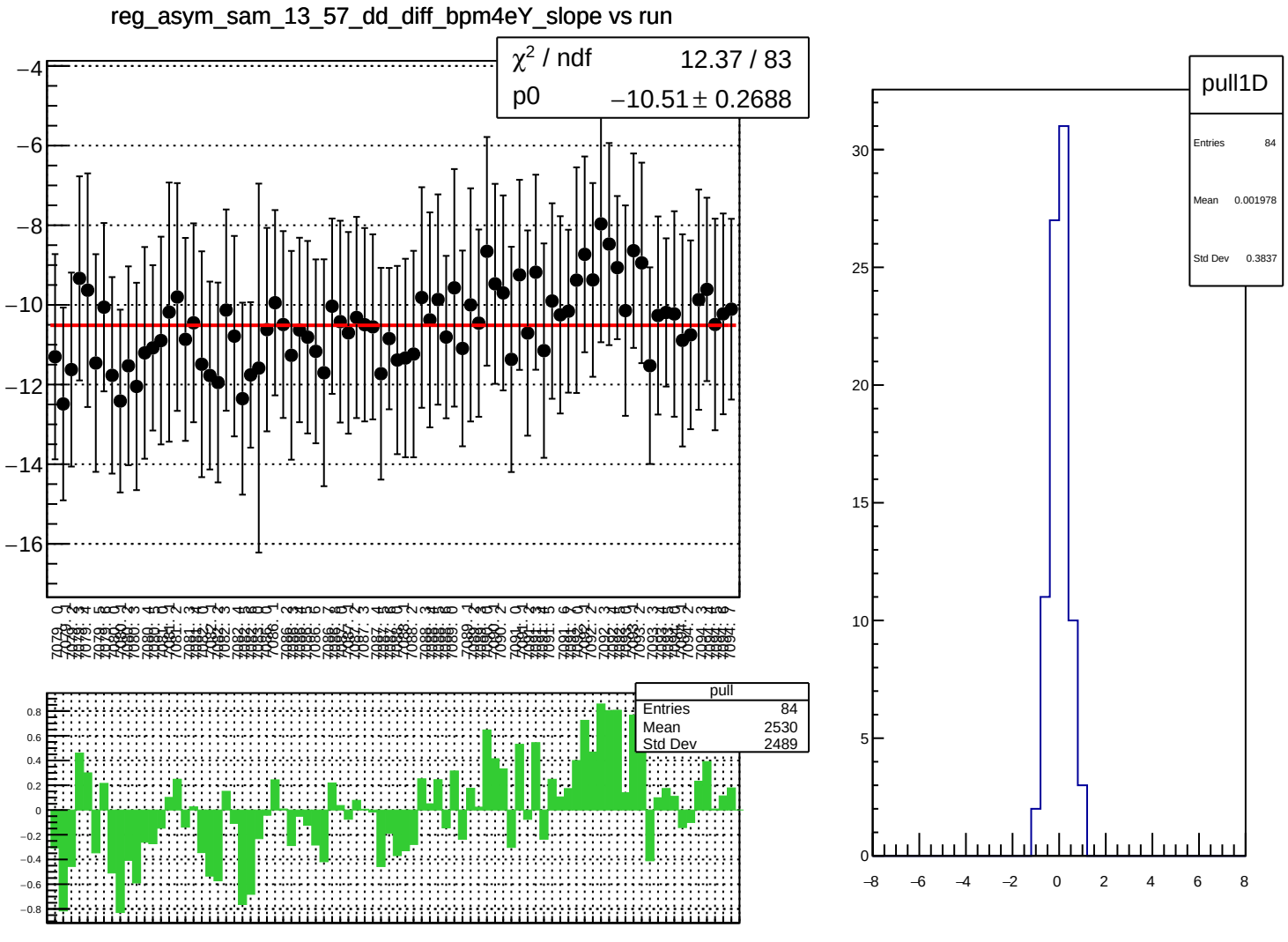

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 10.45 / 83
p0 −0.6051 ± 0.04209
pull
Entries 84
Mean 194.6
Std Dev 225.6
pull1D
Entries 84
Mean 0.003524
Std Dev 0.3526

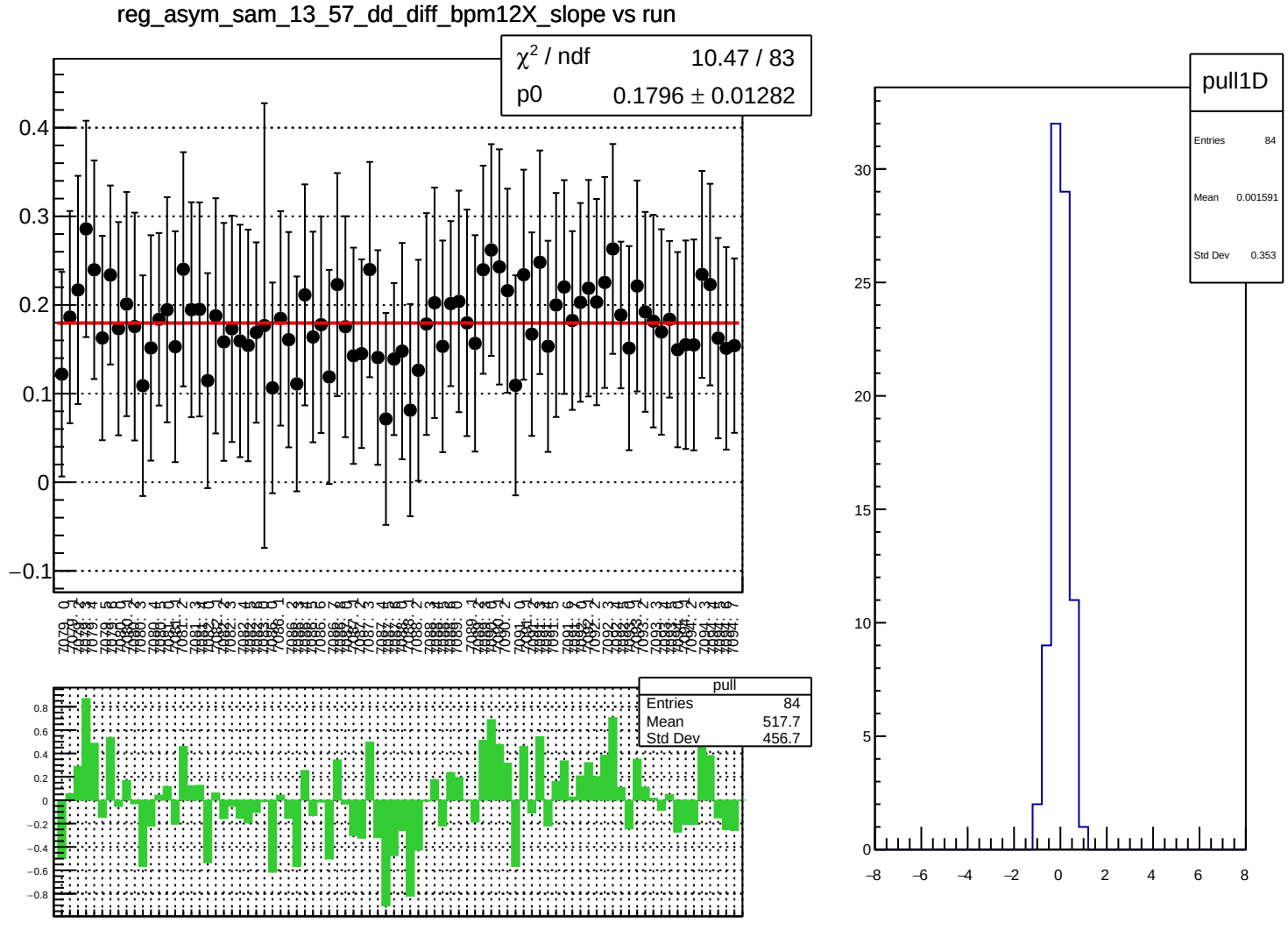

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 9.742 / 83
p0 −11.37 ± 0.3365
pull
Entries 84
Mean 205
Std Dev 175.4

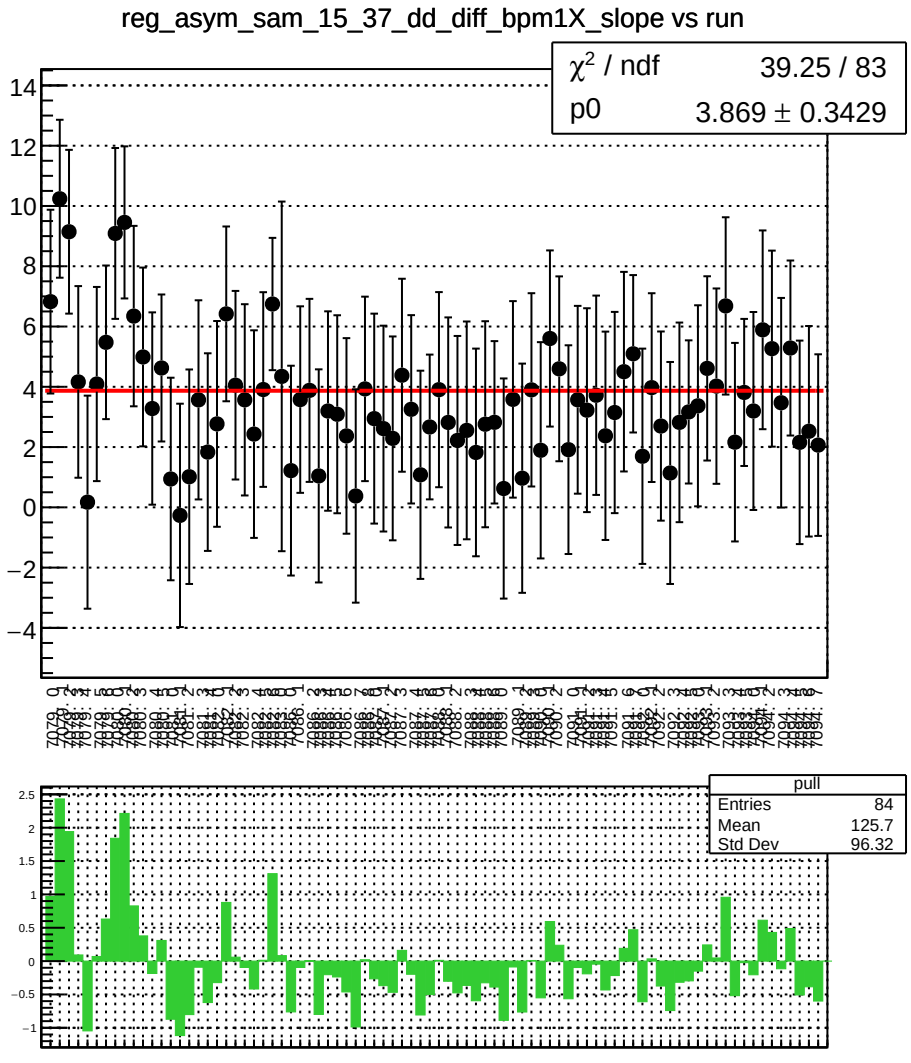

pull1D
Entries 84
Mean 0.01178
Std Dev 0.3403

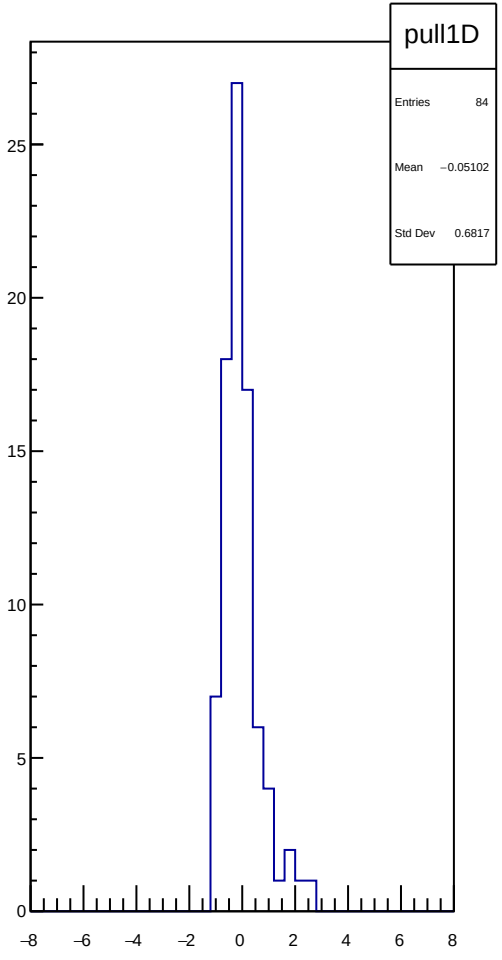

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.737 / 83
p0 −27.95 ± 0.2558
pull
Entries 84
Mean 2048
Std Dev 2005
pull1D
Entries 84
Mean −0.001636
Std Dev 0.3035

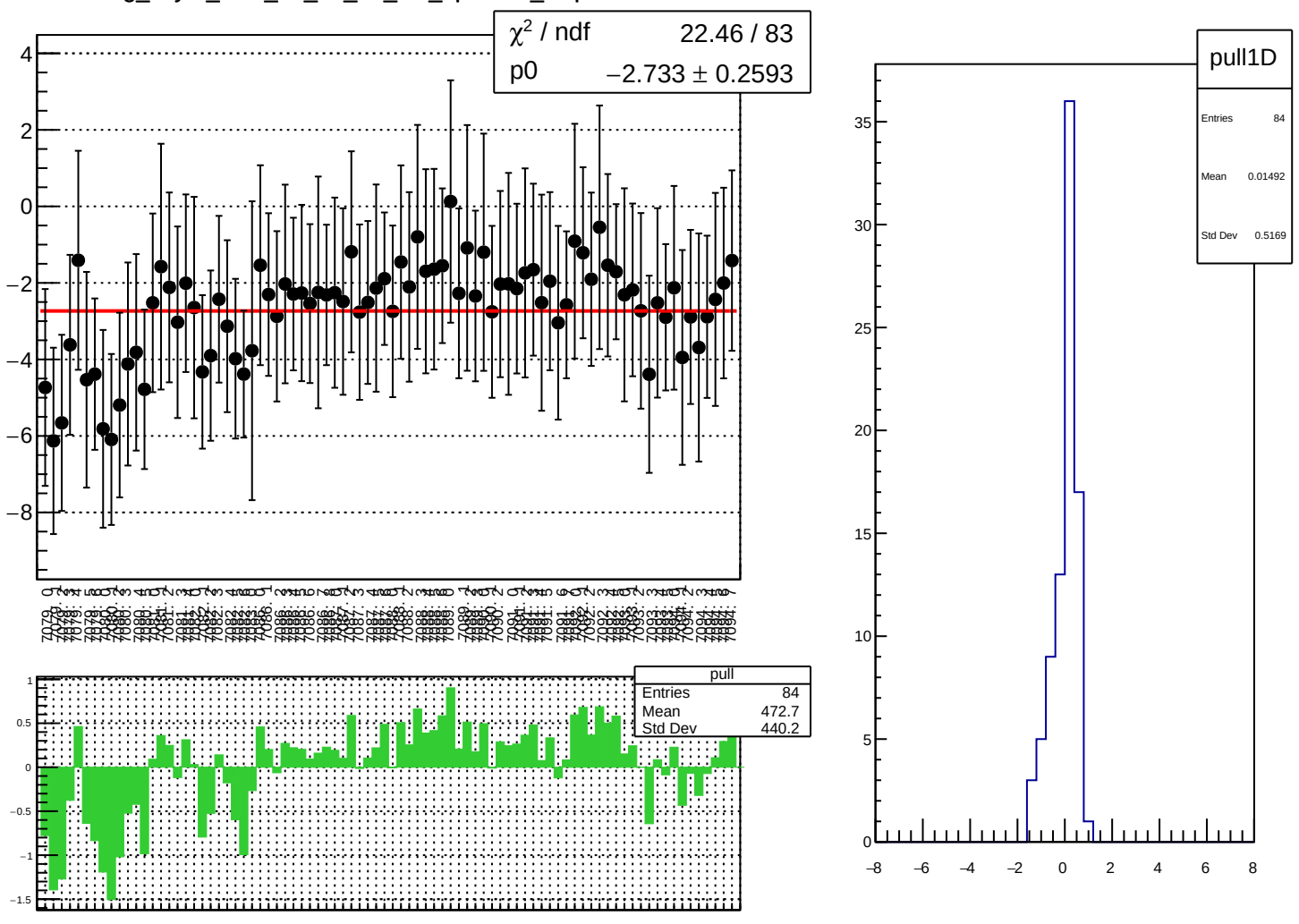

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.713 / 83
p0 −12.65 ± 0.3246
pull
Entries 84
Mean 27.28
Std Dev 55.96
pull1D
Entries 84
Mean −0.003714
Std Dev 0.303

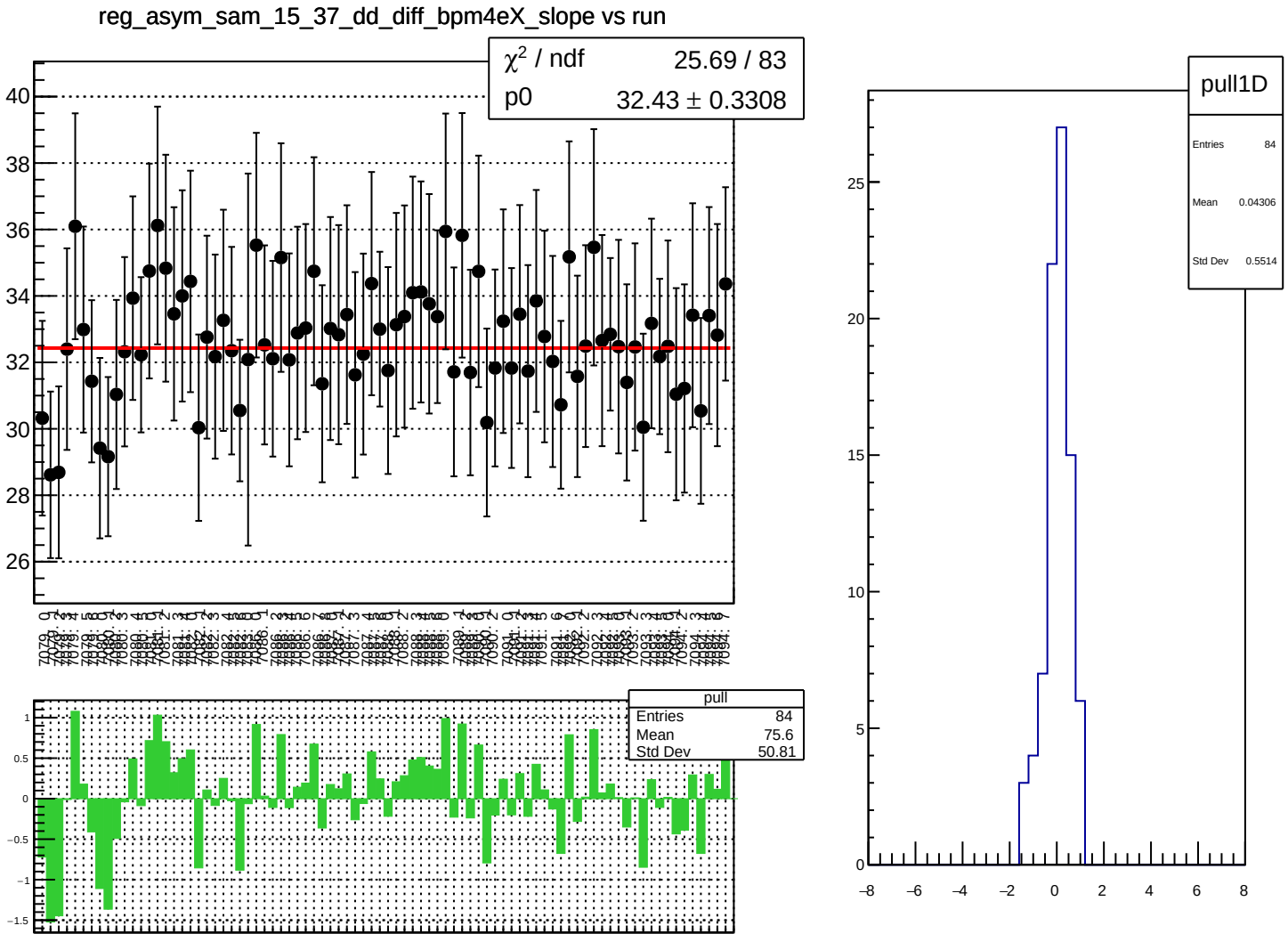

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.37 / 83
p0 −10.51 ± 0.2688
pull
Entries 84
Mean 2530
Std Dev 2489
pull1D
Entries 84
Mean 0.001978
Std Dev 0.3837

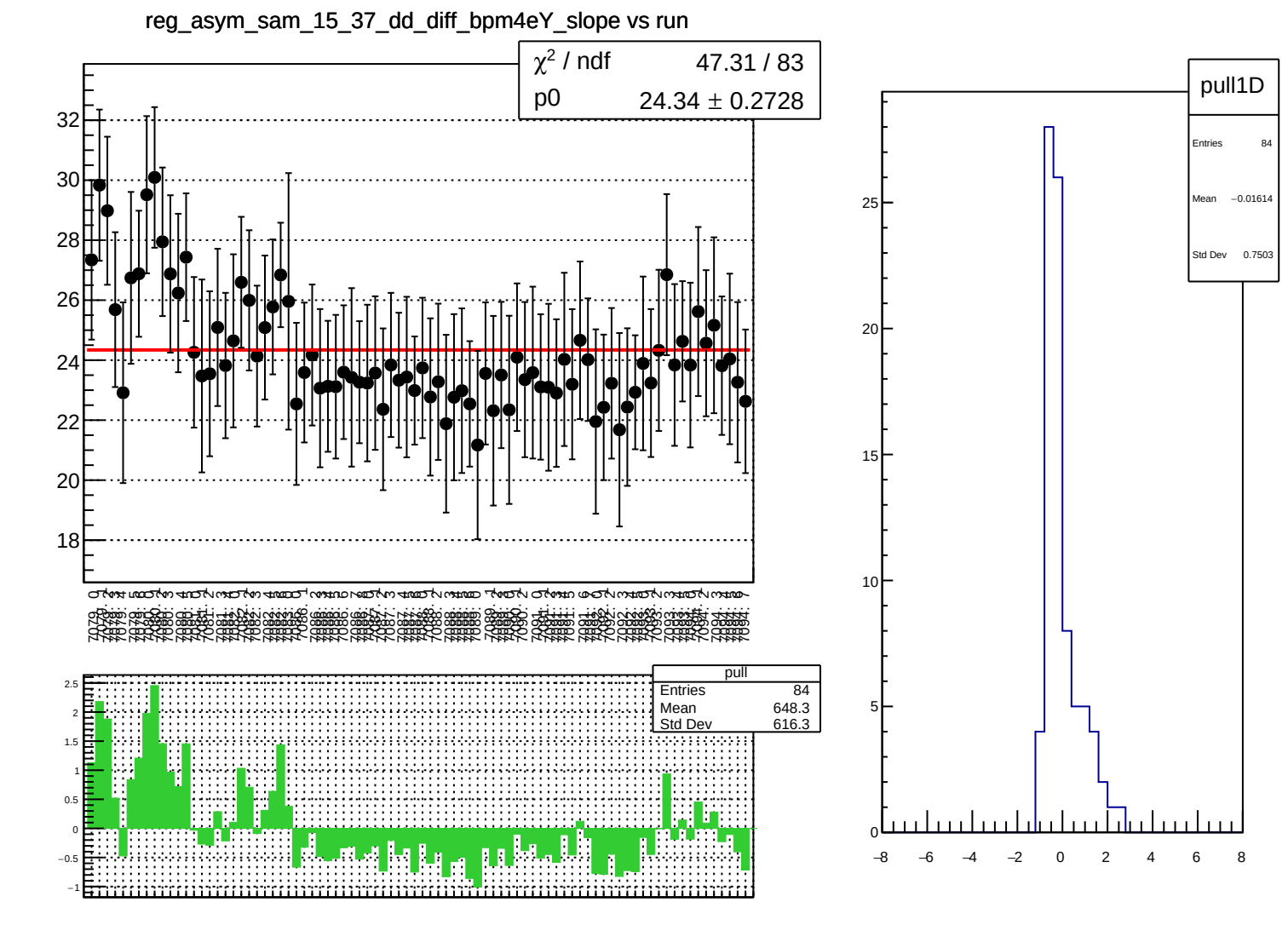

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 10.47 / 83
p0 0.1796 ± 0.01282
pull
Entries 84
Mean 517.7
Std Dev 456.7
pull1D
Entries 84
Mean 0.001591
Std Dev 0.353

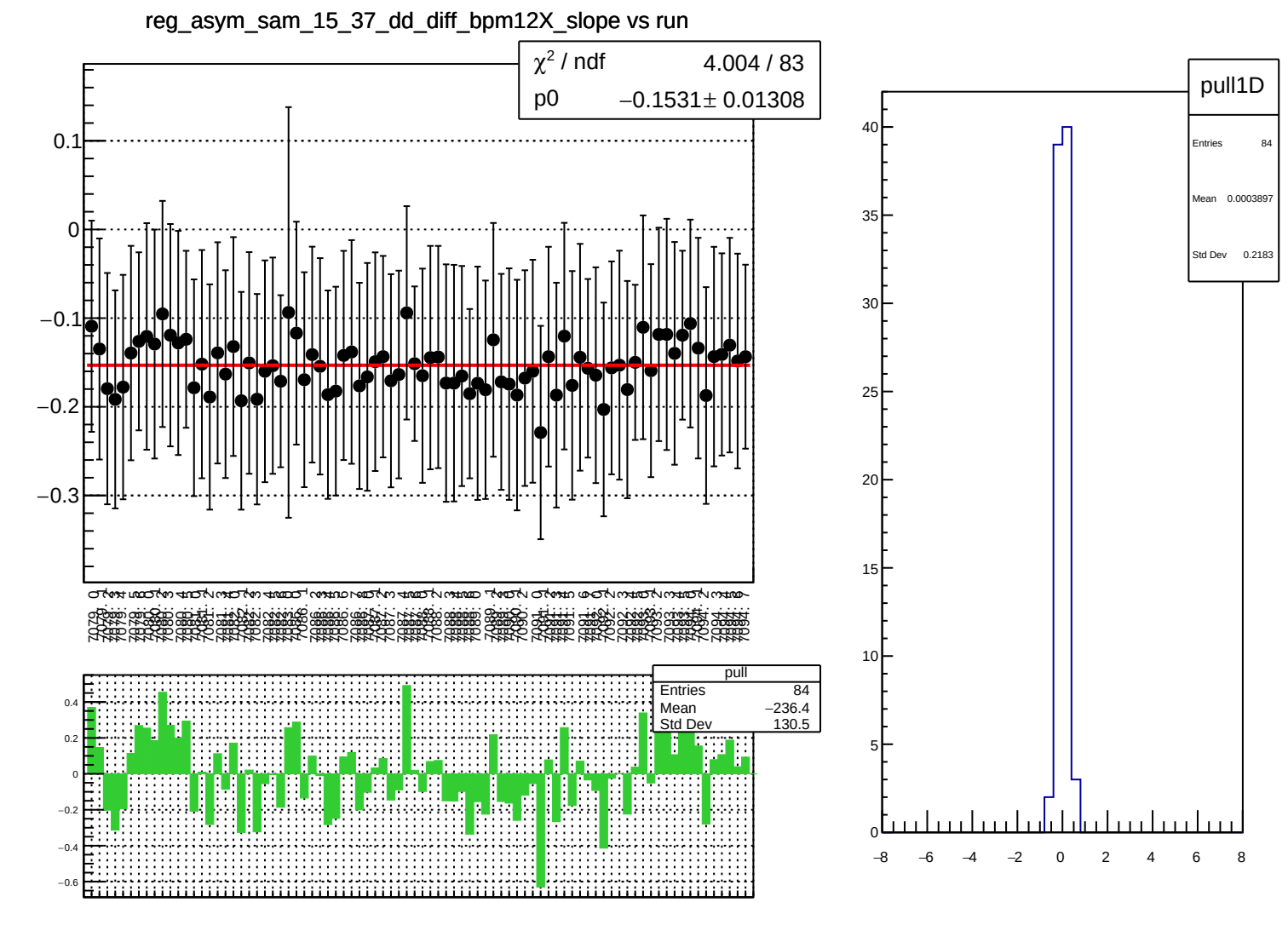

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 39.25 / 83
p0 3.869 ± 0.3429
pull
Entries 84
Mean 125.7
Std Dev 96.32

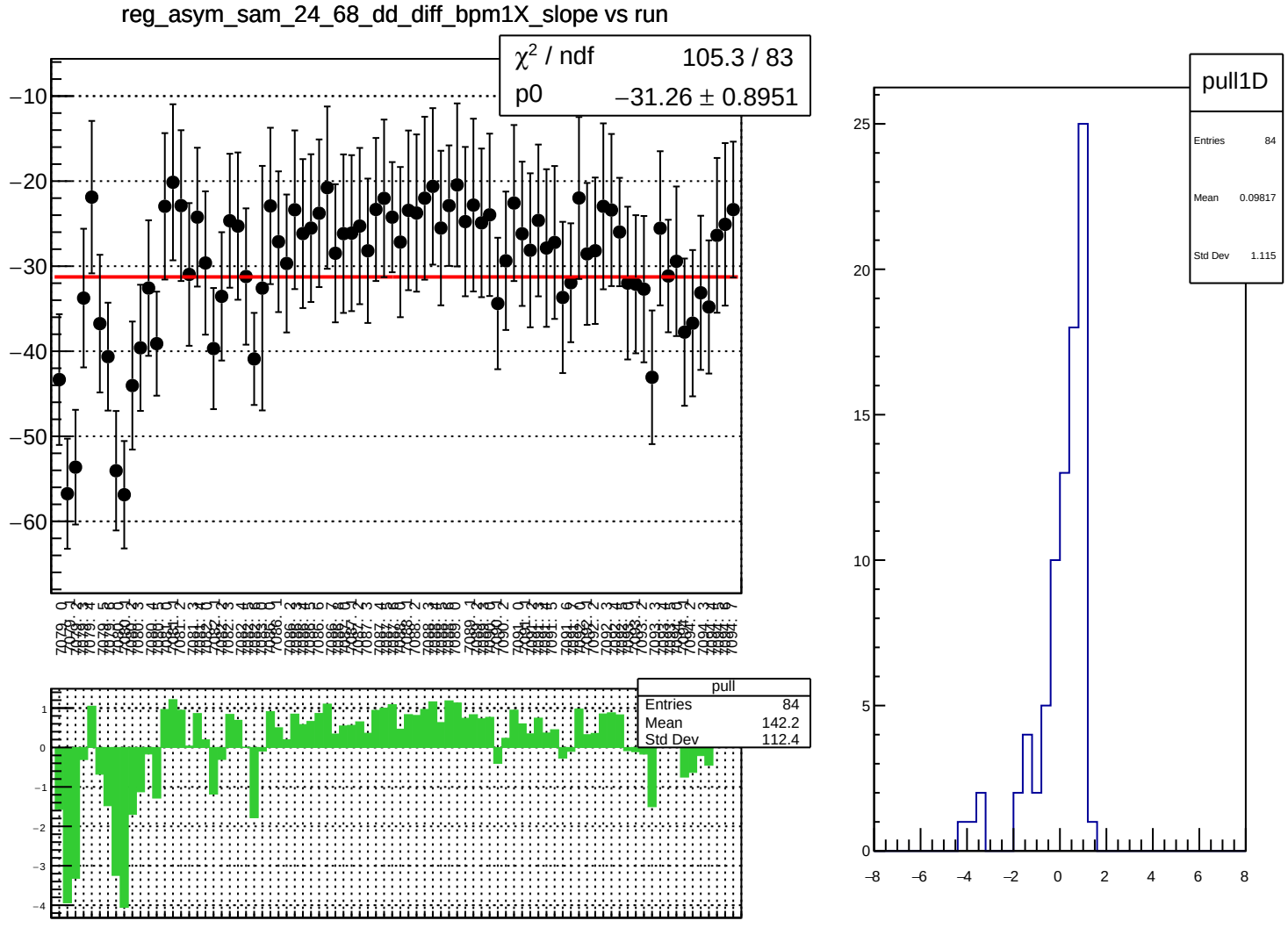

pull1D
Entries 84
Mean −0.05102
Std Dev 0.6817

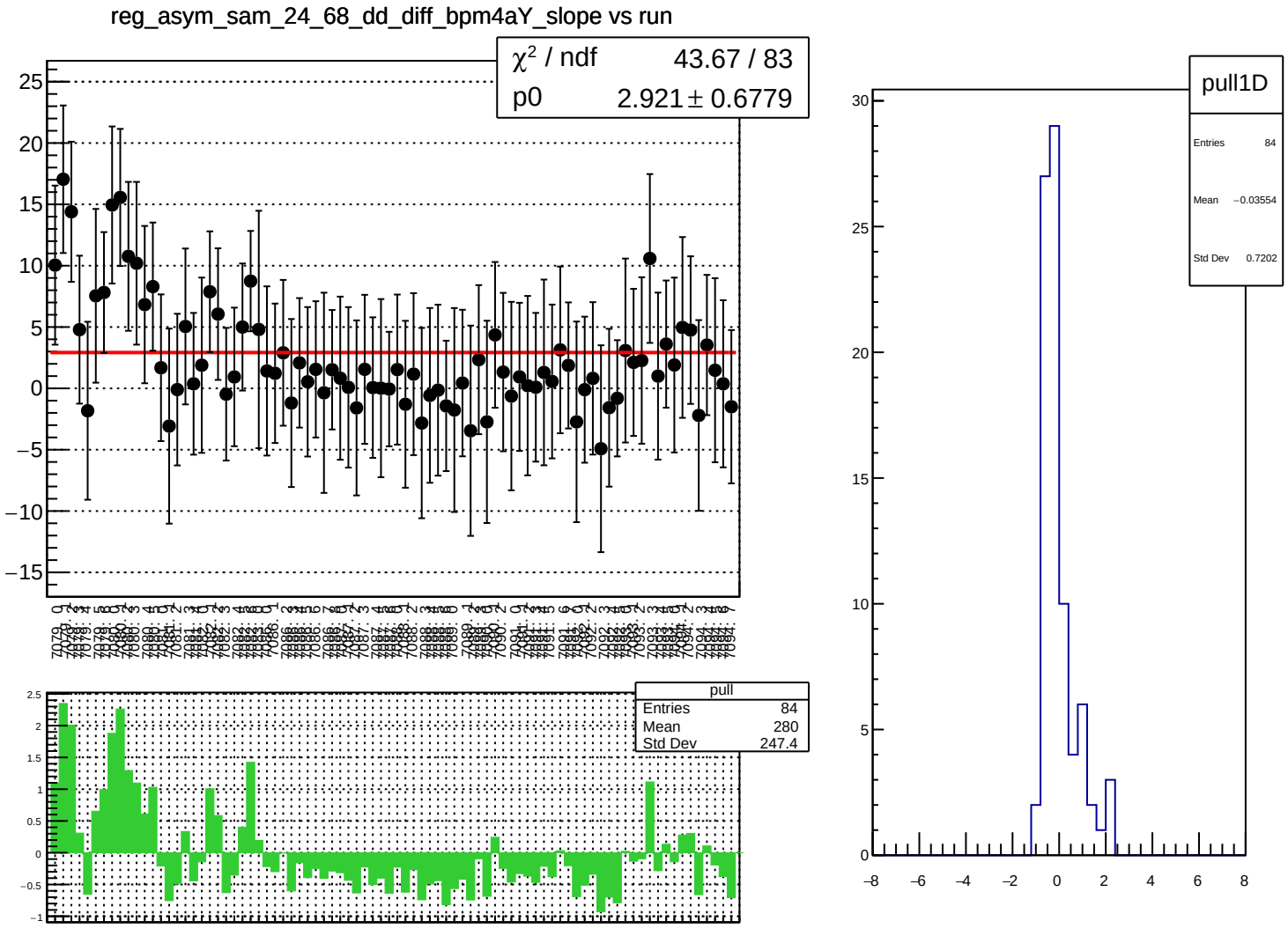

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.46 / 83
p0 −2.733 ± 0.2593
pull
Entries 84
Mean 472.7
Std Dev 440.2
pull1D
Entries 84
Mean 0.01492
Std Dev 0.5169

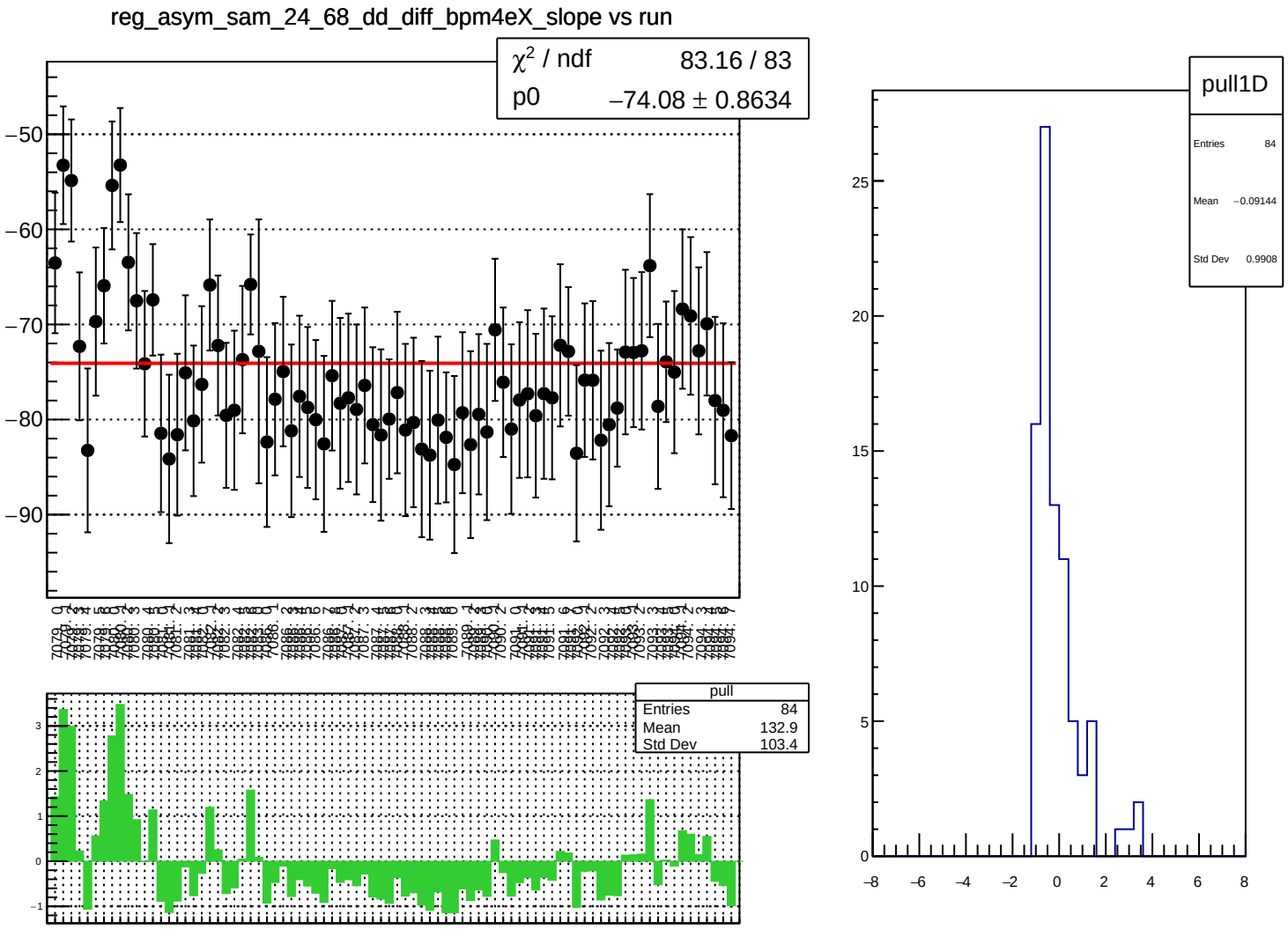

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.69 / 83
p0 32.43 ± 0.3308
pull
Entries 84
Mean 75.6
Std Dev 50.81
pull1D
Entries 84
Mean 0.04306
Std Dev 0.5514

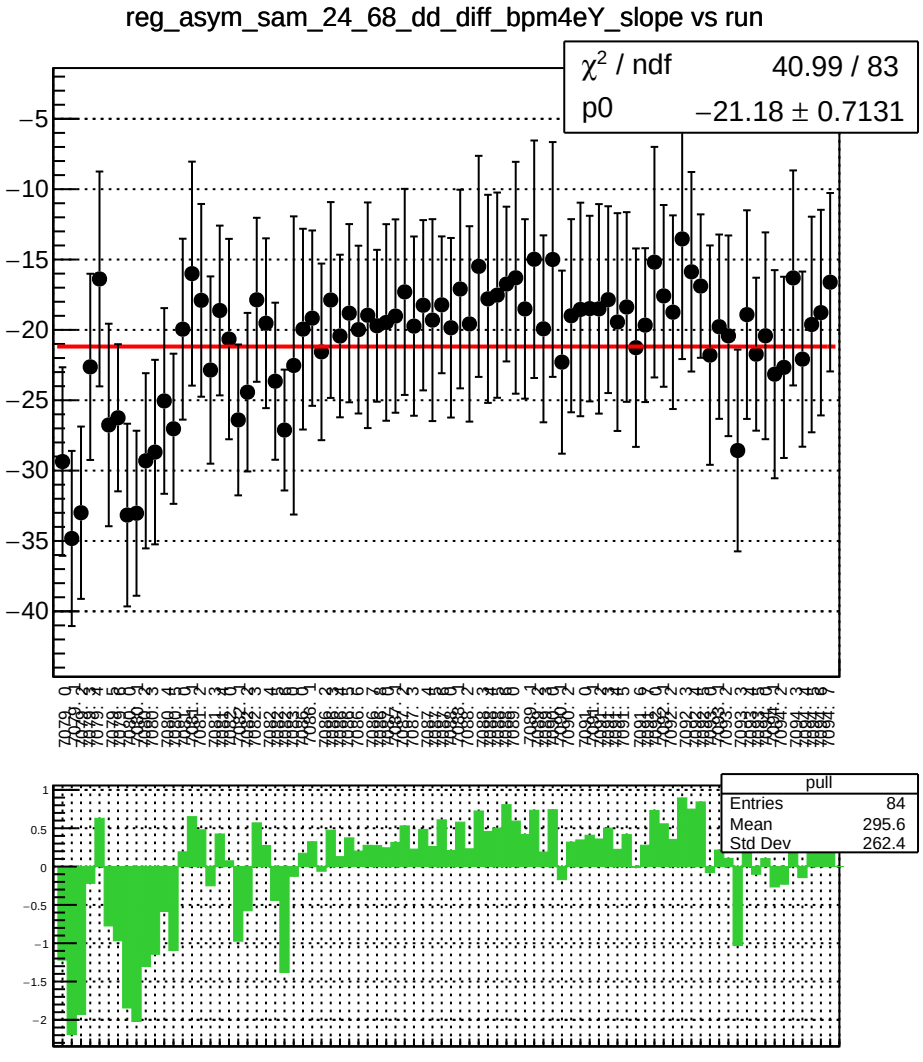

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 47.31 / 83
p0 24.34 ± 0.2728
pull
Entries 84
Mean 648.3
Std Dev 616.3
pull1D
Entries 84
Mean −0.01614
Std Dev 0.7503

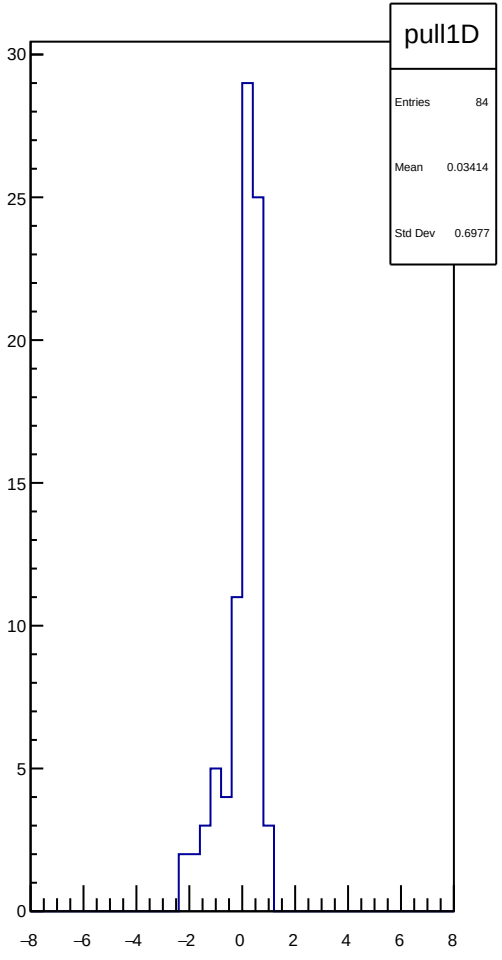

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 4.004 / 83
p0 −0.1531 ± 0.01308
pull
Entries 84
Mean −236.4
Std Dev 130.5
pull1D
Entries 84
Mean 0.0003897
Std Dev 0.2183

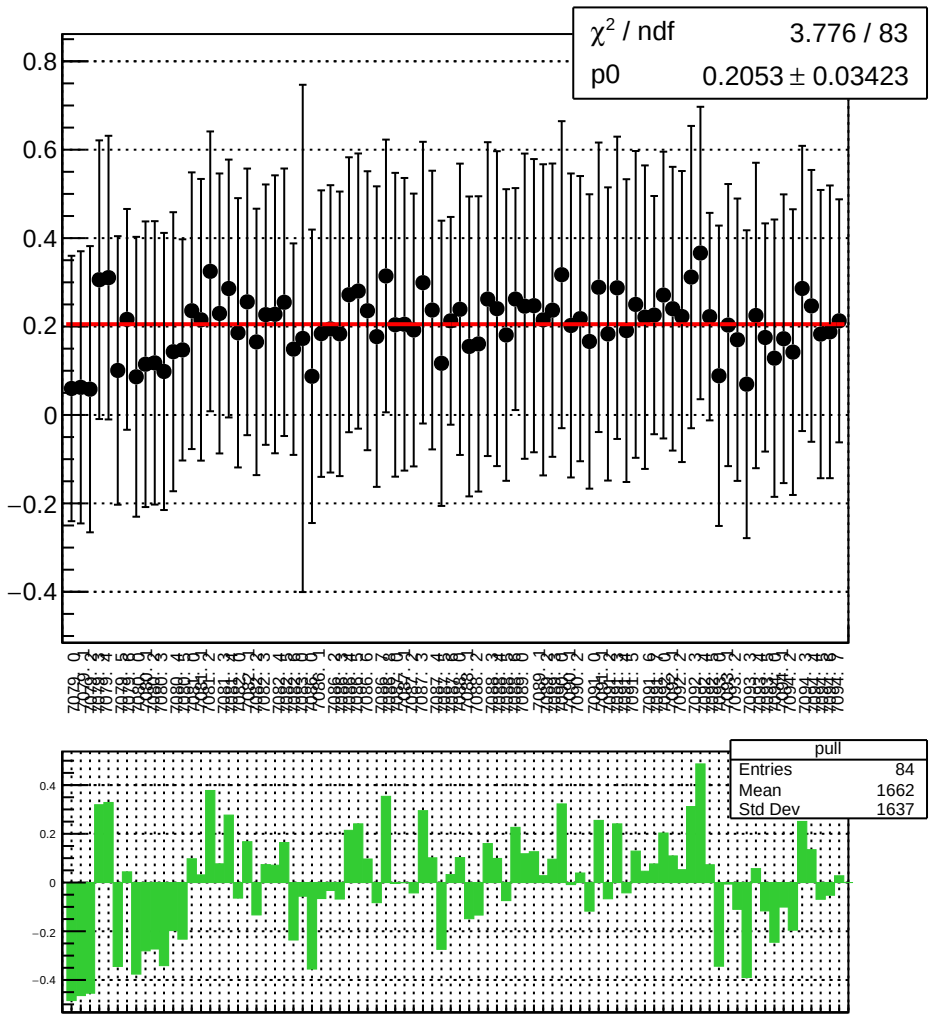

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 105.3 / 83
p0 −31.26 ± 0.8951
pull
Entries 84
Mean 142.2
Std Dev 112.4
pull1D
Entries 84
Mean 0.09817
Std Dev 1.115

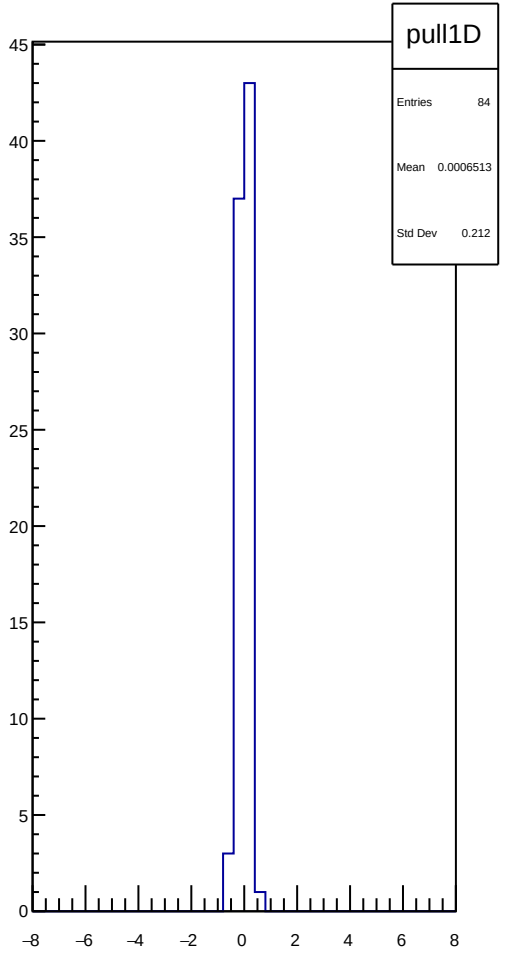

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.67 / 83
p0 2.921 ± 0.6779
pull
Entries 84
Mean 280
Std Dev 247.4
pull1D
Entries 84
Mean −0.03554
Std Dev 0.7202

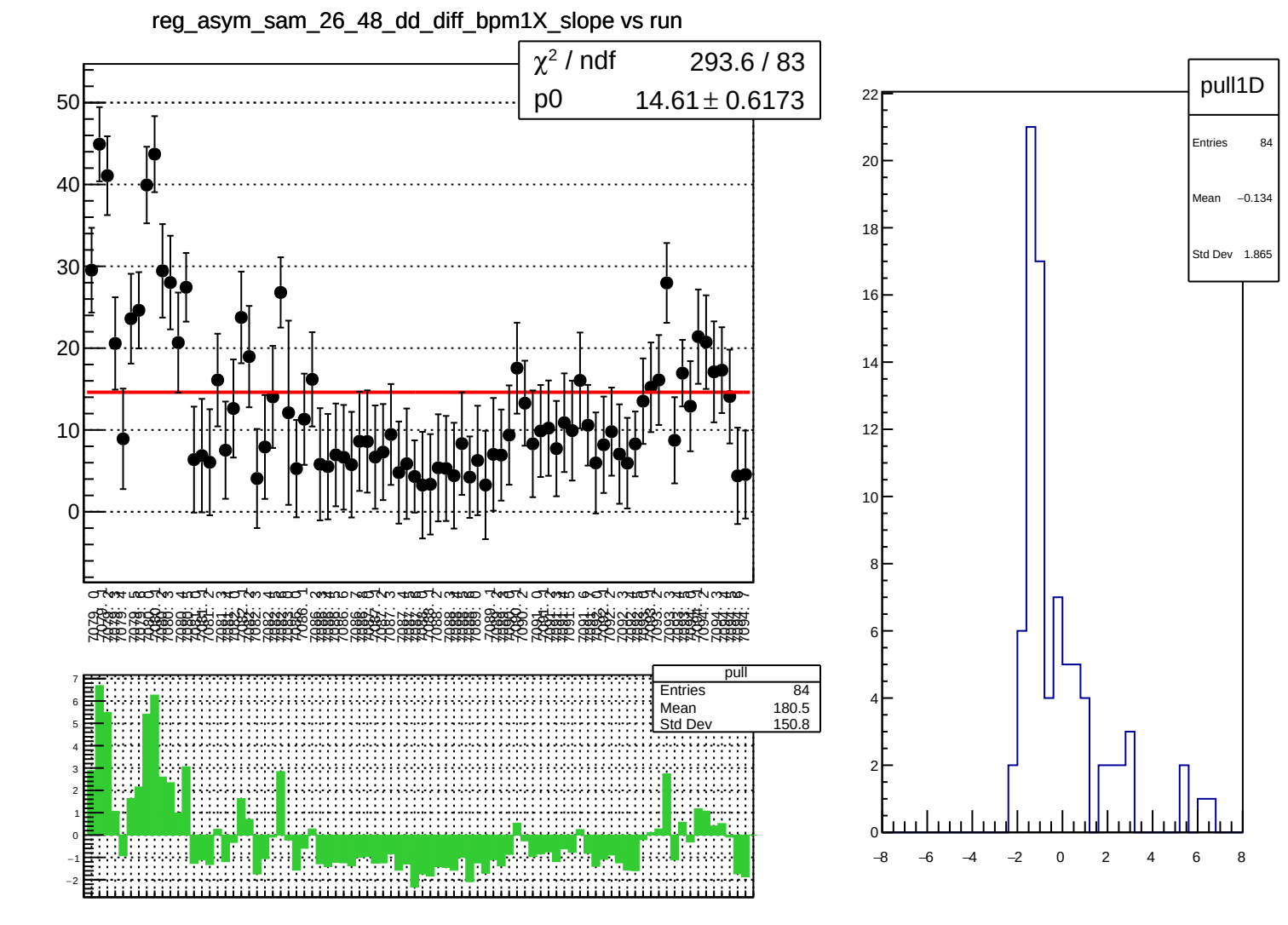

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 83.16 / 83
p0 −74.08 ± 0.8634
−50
−60
−70
−80
−90
pull
Entries 84
Mean 132.9
Std Dev 103.4
3
2
1
0
−1
pull1D
Entries 84
Mean −0.09144
Std Dev 0.9908
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

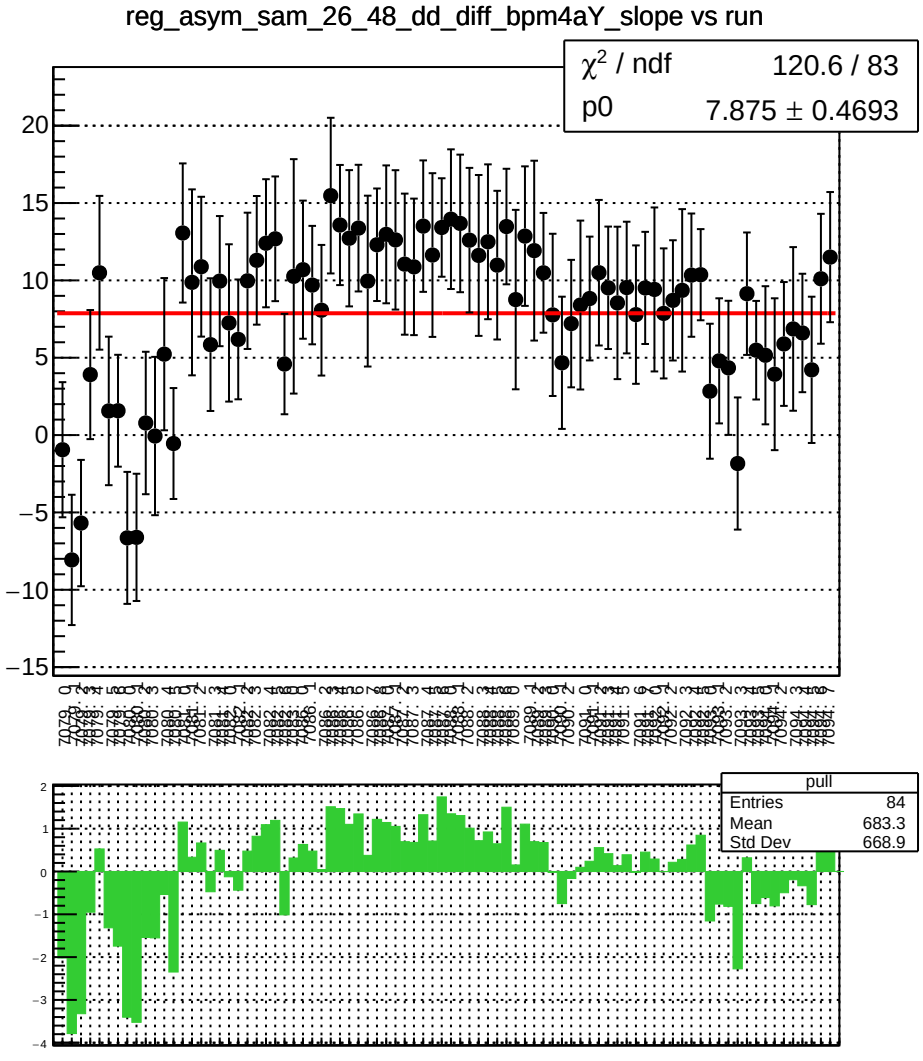

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.99 / 83
p0 −21.18 ± 0.7131
pull
Entries 84
Mean 295.6
Std Dev 262.4

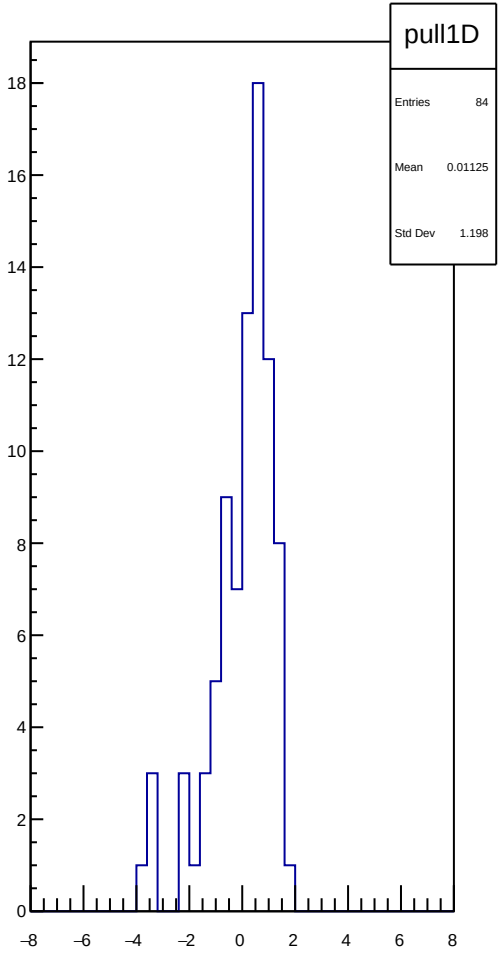

pull1D
Entries 84
Mean 0.03414
Std Dev 0.6977

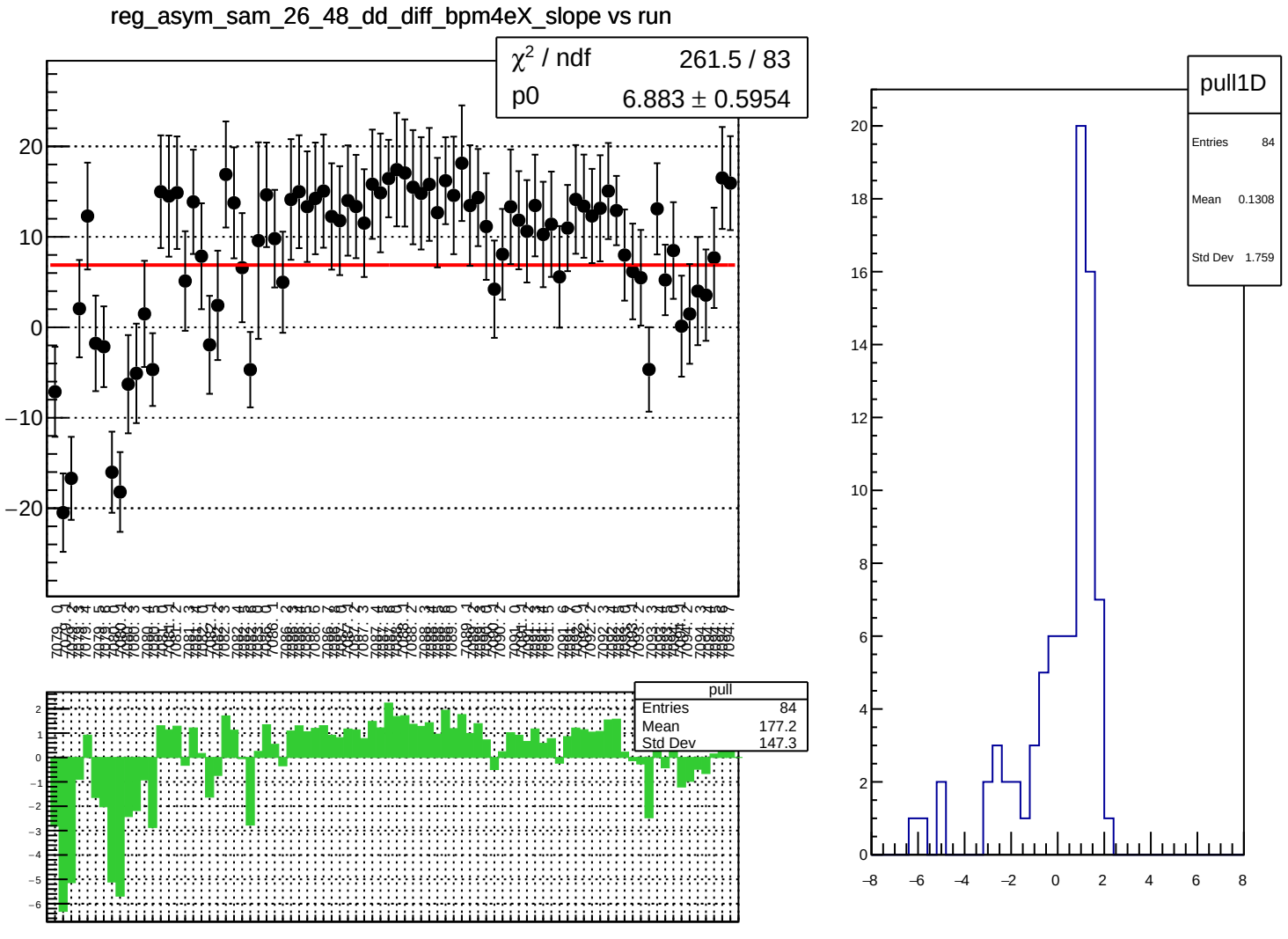

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 3.776 / 83
p0 0.2053 ± 0.03423
pull
Entries 84
Mean 1662
Std Dev 1637

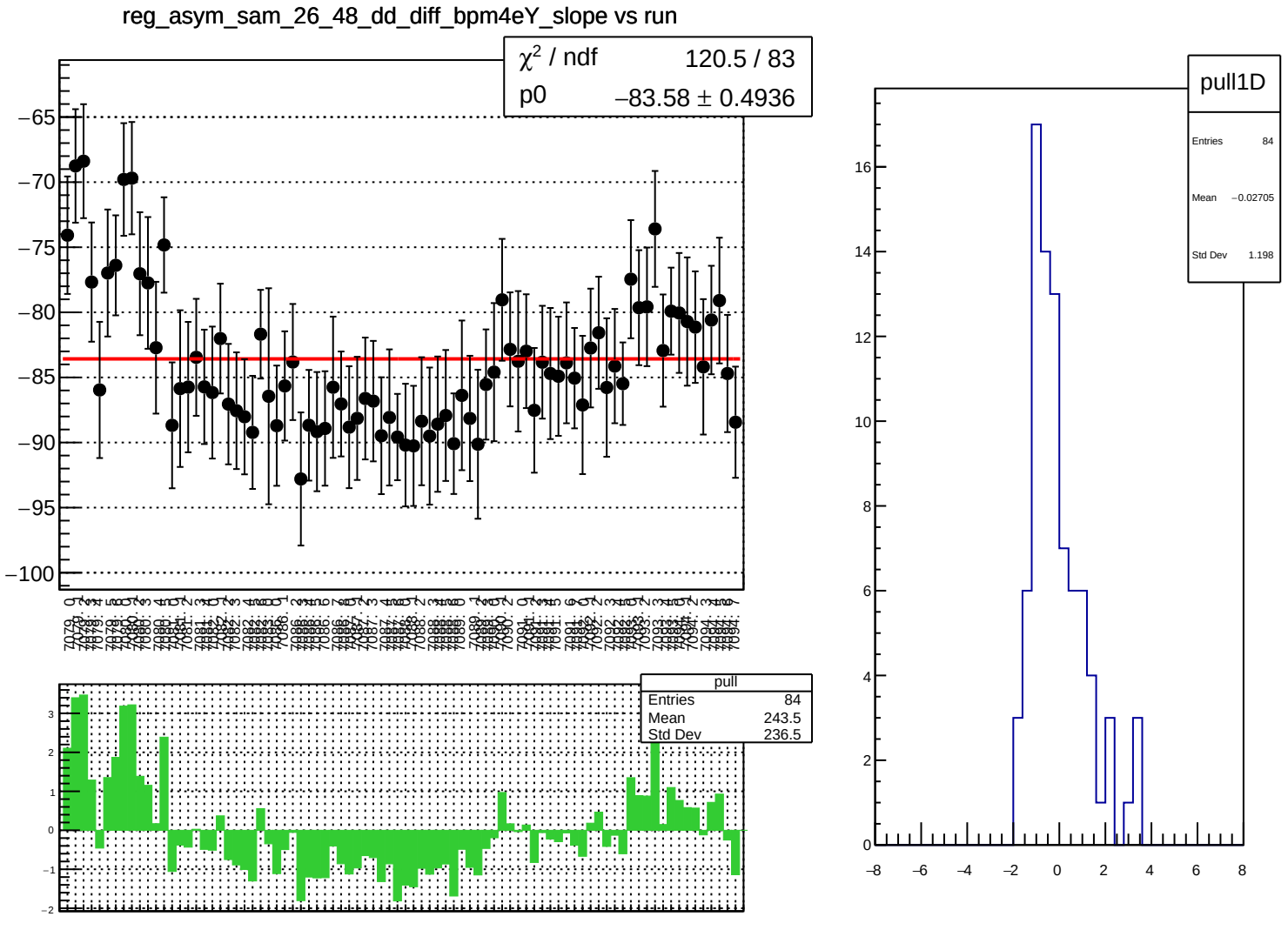

pull1D
Entries 84
Mean 0.0006513
Std Dev 0.212

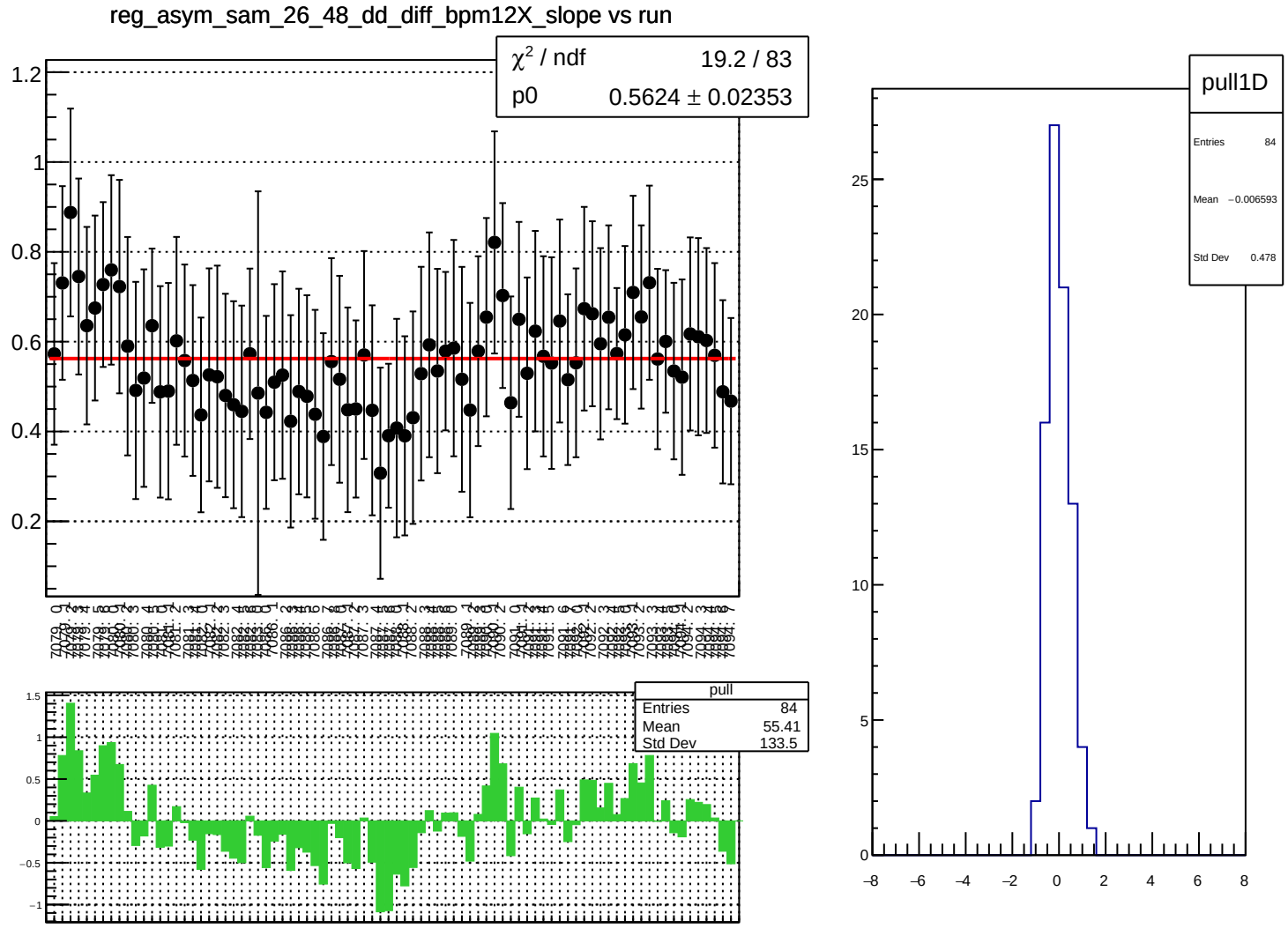

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 293.6 / 83
p0 14.61 ± 0.6173
pull
Entries 84
Mean 180.5
Std Dev 150.8
pull1D
Entries 84
Mean −0.134
Std Dev 1.865

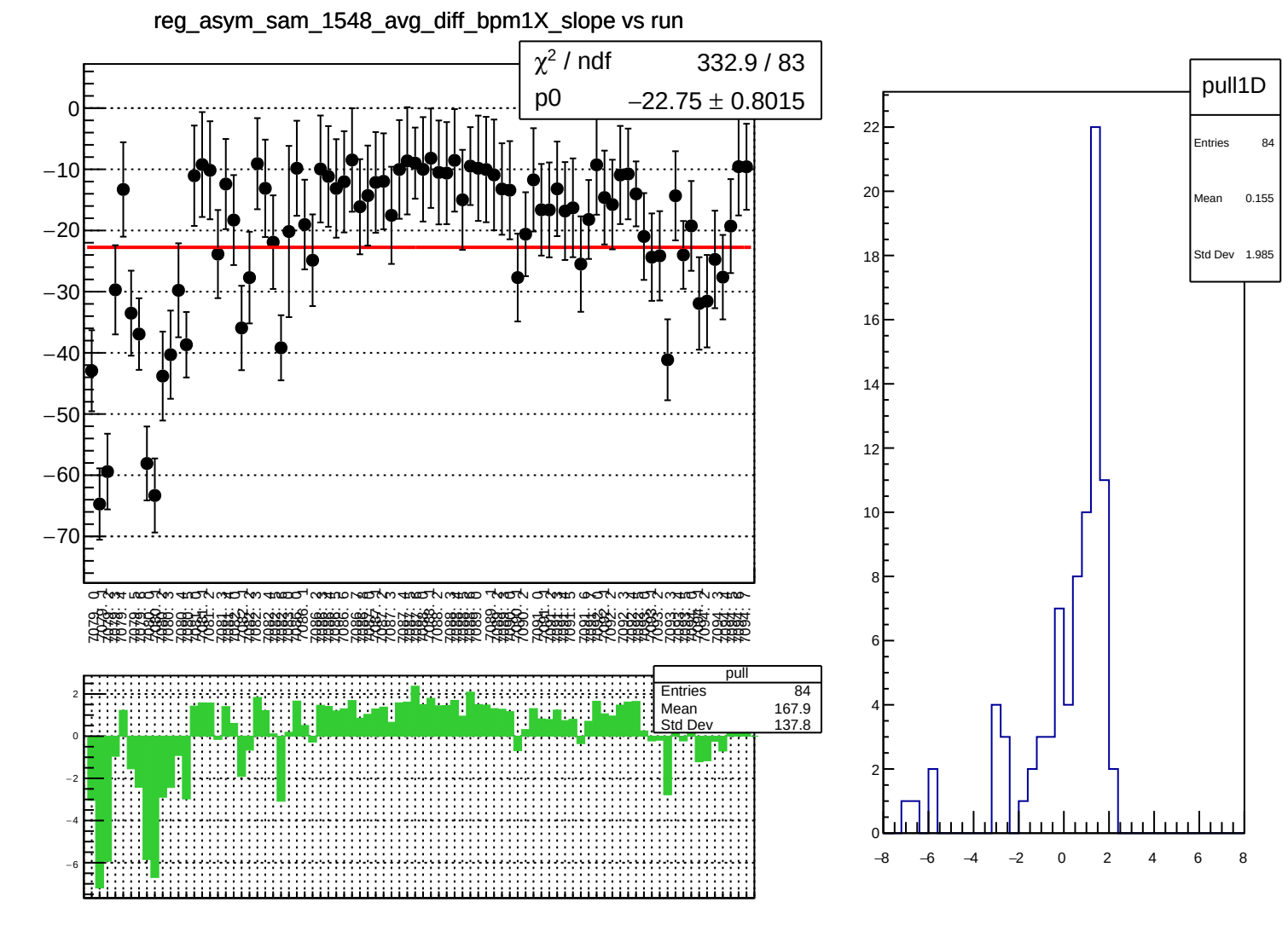

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 120.6 / 83
p0 7.875 ± 0.4693
pull
Entries 84
Mean 683.3
Std Dev 668.9

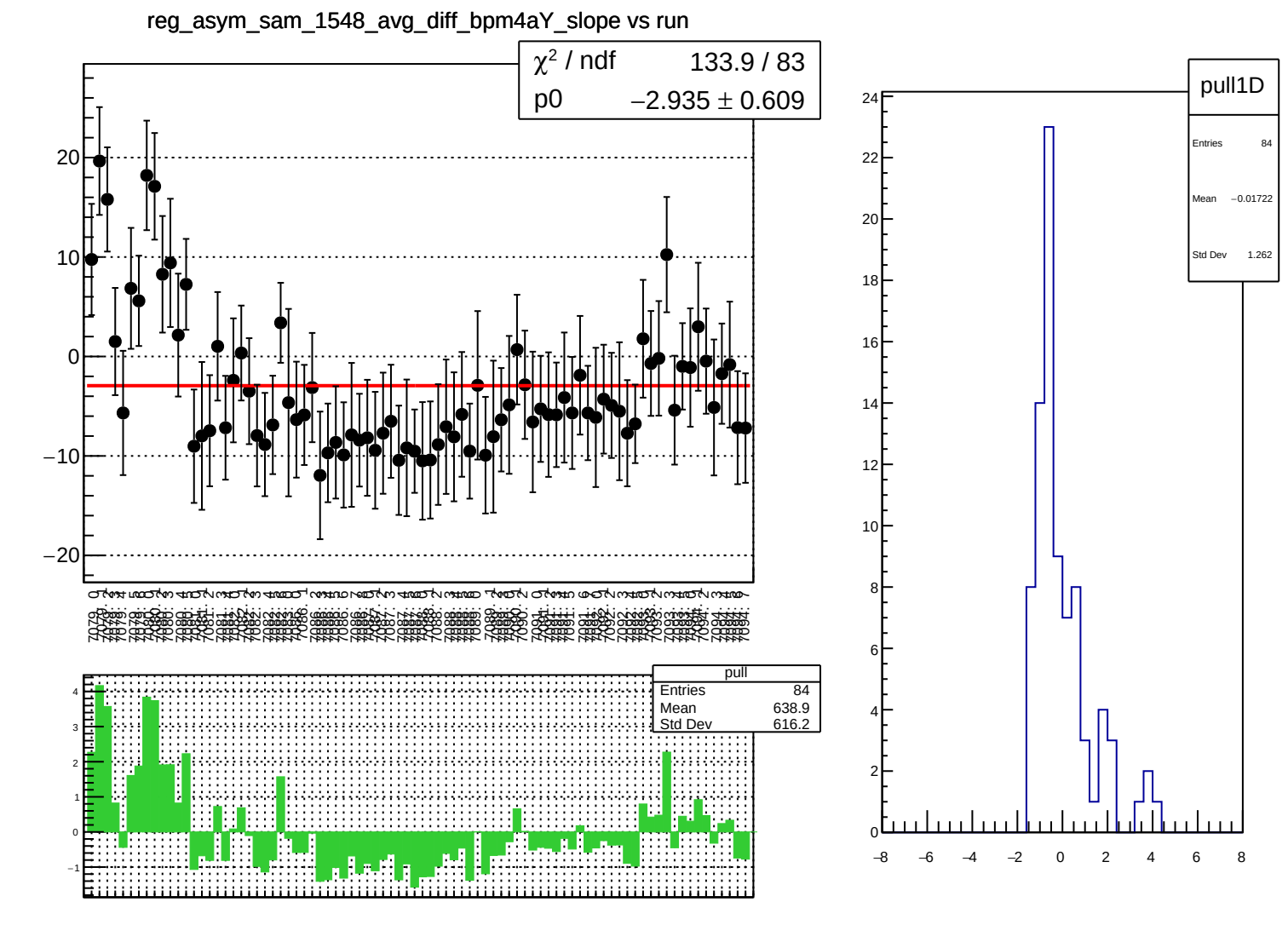

pull1D
Entries 84
Mean 0.01125
Std Dev 1.198

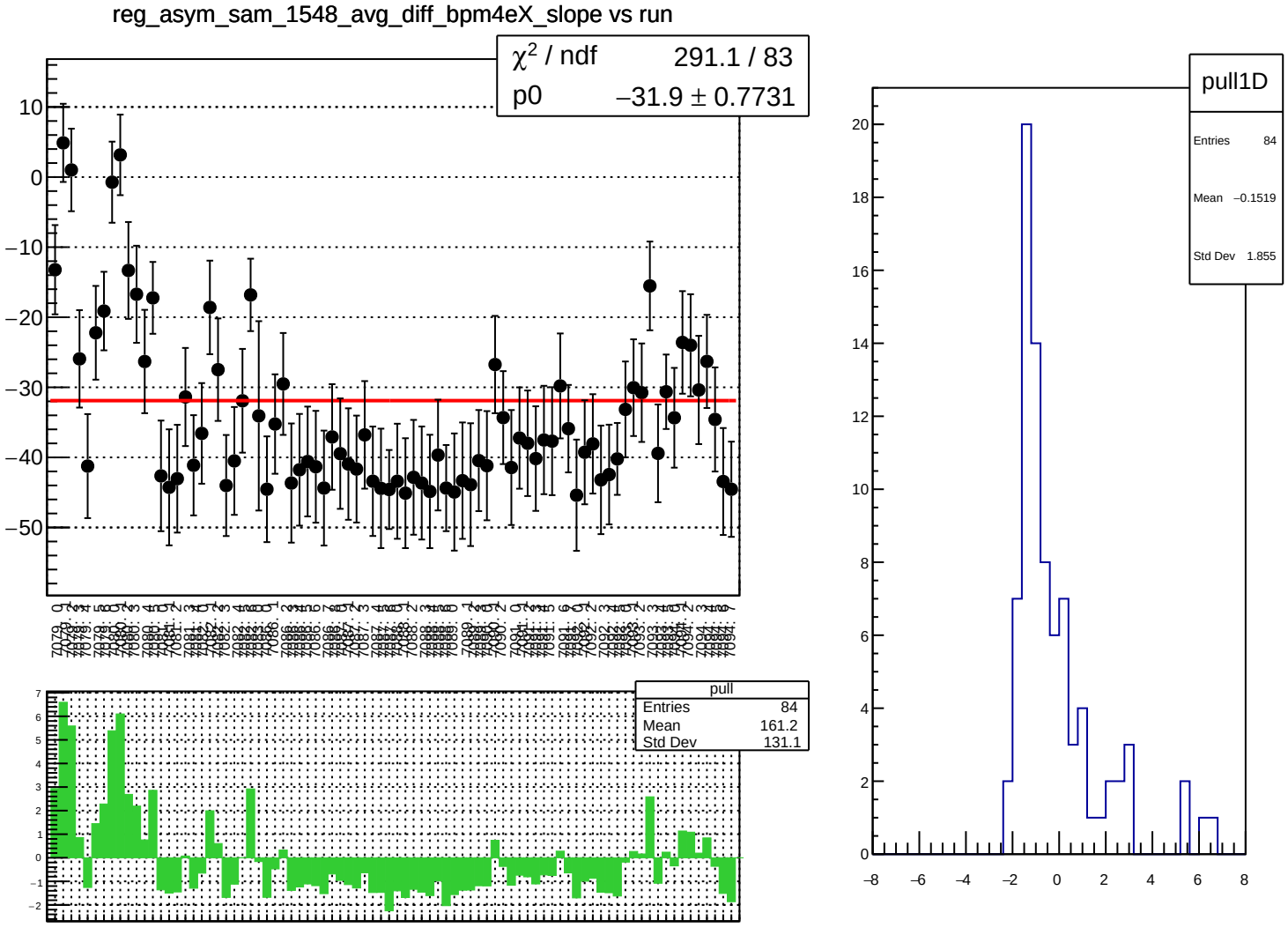

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 261.5 / 83
p0 6.883 ± 0.5954
pull
Entries 84
Mean 177.2
Std Dev 147.3
pull1D
Entries 84
Mean 0.1308
Std Dev 1.759

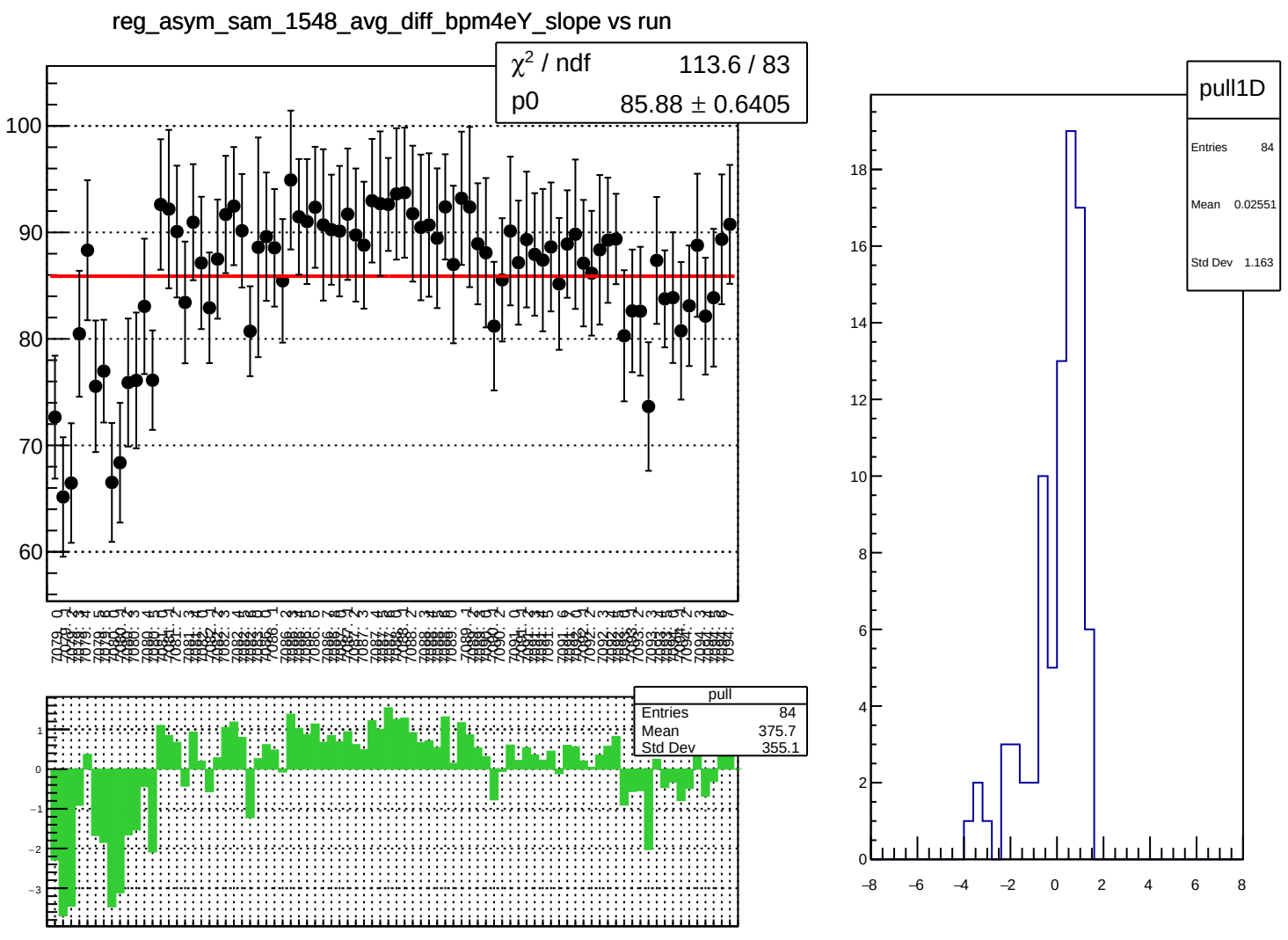

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 120.5 / 83
p0 −83.58 ± 0.4936
pull
Entries 84
Mean 243.5
Std Dev 236.5
pull1D
Entries 84
Mean −0.02705
Std Dev 1.198

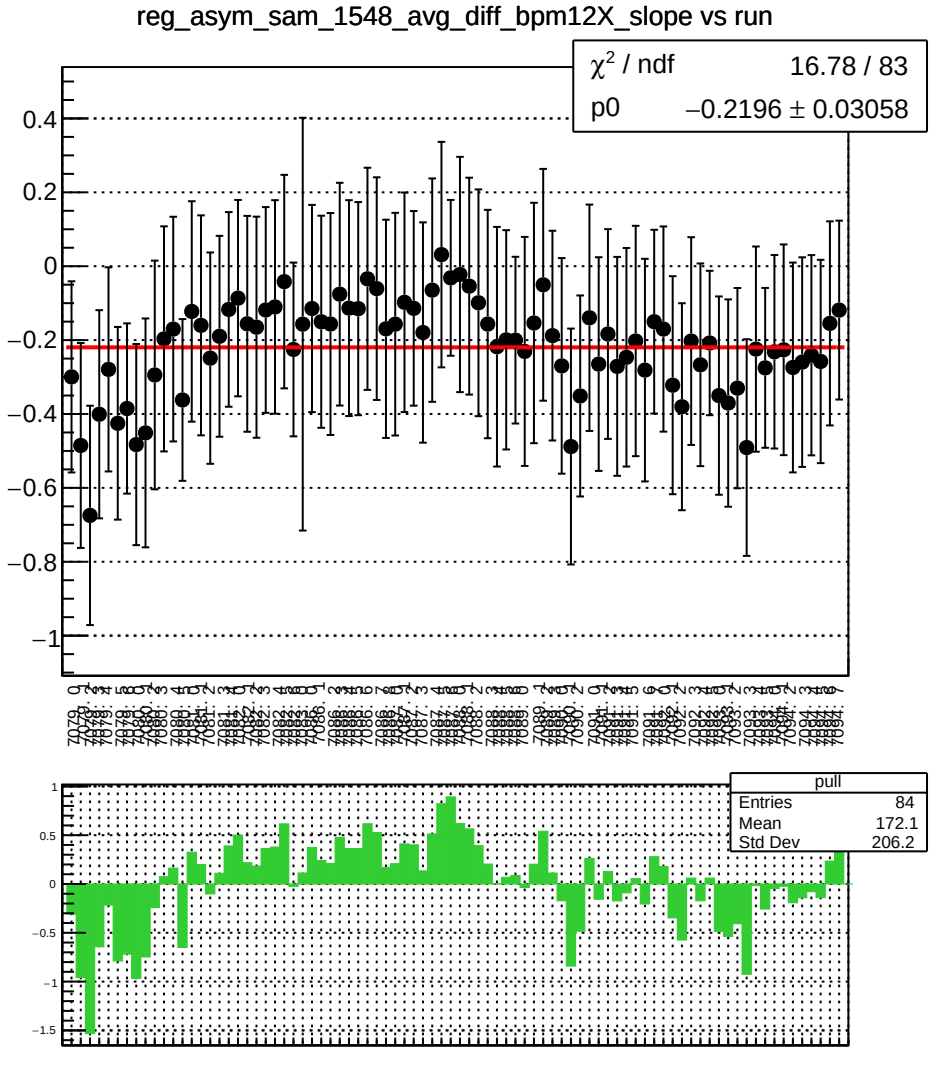

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 19.2 / 83
p0 0.5624 ± 0.02353
pull
Entries 84
Mean 55.41
Std Dev 133.5
pull1D
Entries 84
Mean −0.006593
Std Dev 0.478

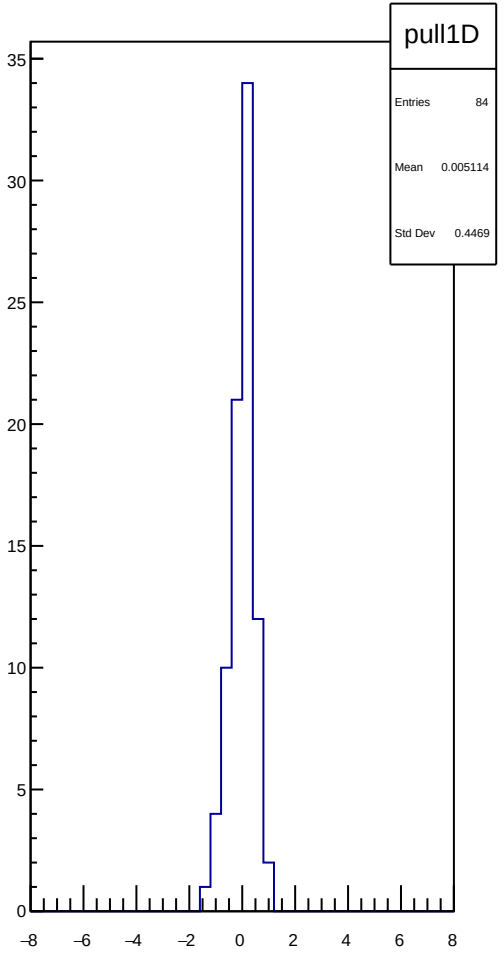

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 332.9 / 83
p0 −22.75 ± 0.8015
pull
Entries 84
Mean 167.9
Std Dev 137.8
pull1D
Entries 84
Mean 0.155
Std Dev 1.985

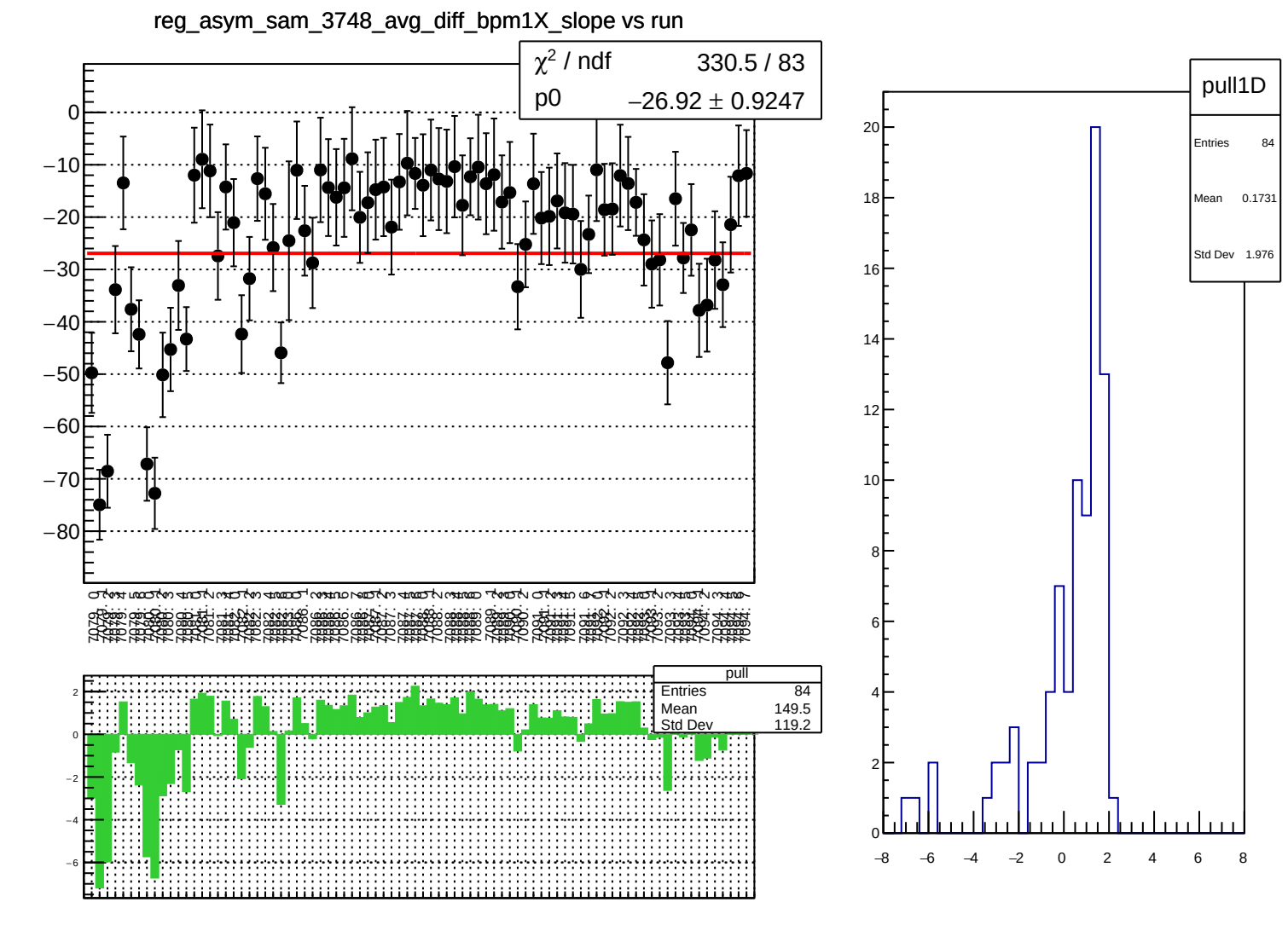

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 133.9 / 83
p0 −2.935 ± 0.609
pull
Entries 84
Mean 638.9
Std Dev 616.2
pull1D
Entries 84
Mean −0.01722
Std Dev 1.262

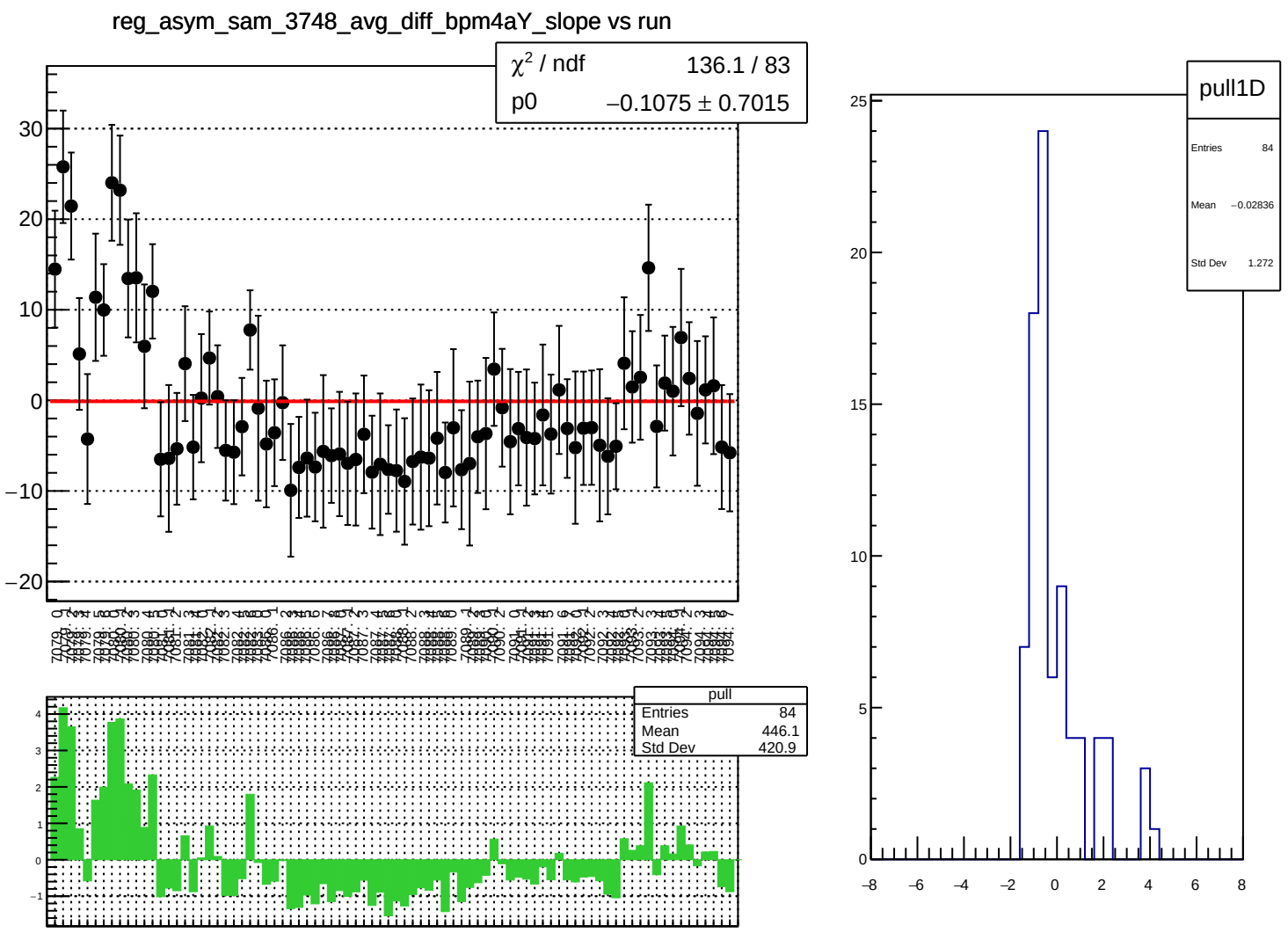

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 291.1 / 83
p0 −31.9 ± 0.7731
pull
Entries 84
Mean 161.2
Std Dev 131.1
pull1D
Entries 84
Mean −0.1519
Std Dev 1.855

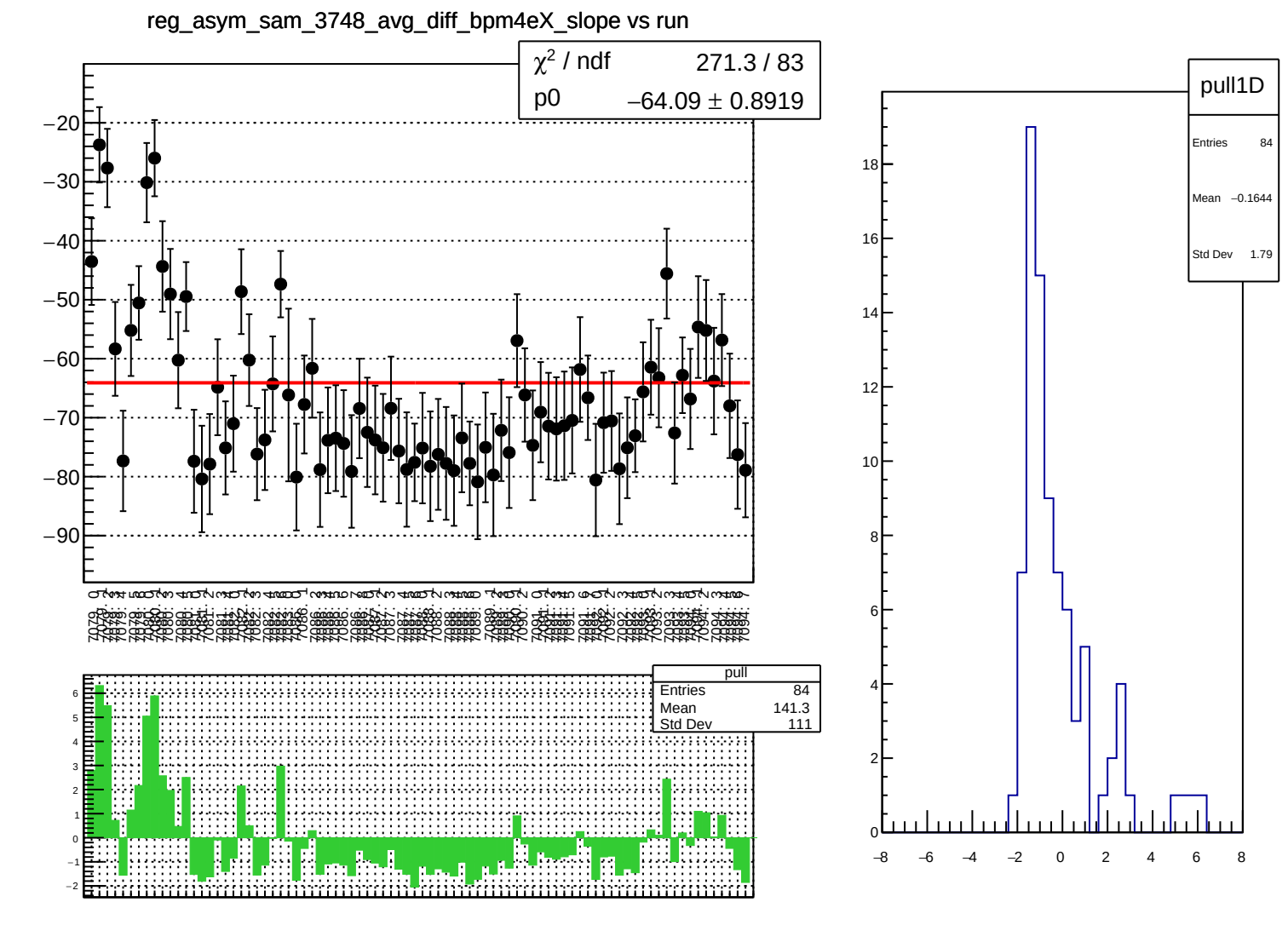

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 113.6 / 83
p0 85.88 ± 0.6405
100
90
80
70
60
pull
Entries 84
Mean 375.7
Std Dev 355.1
1
0
−1
−2
−3
pull1D
Entries 84
Mean 0.02551
Std Dev 1.163
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

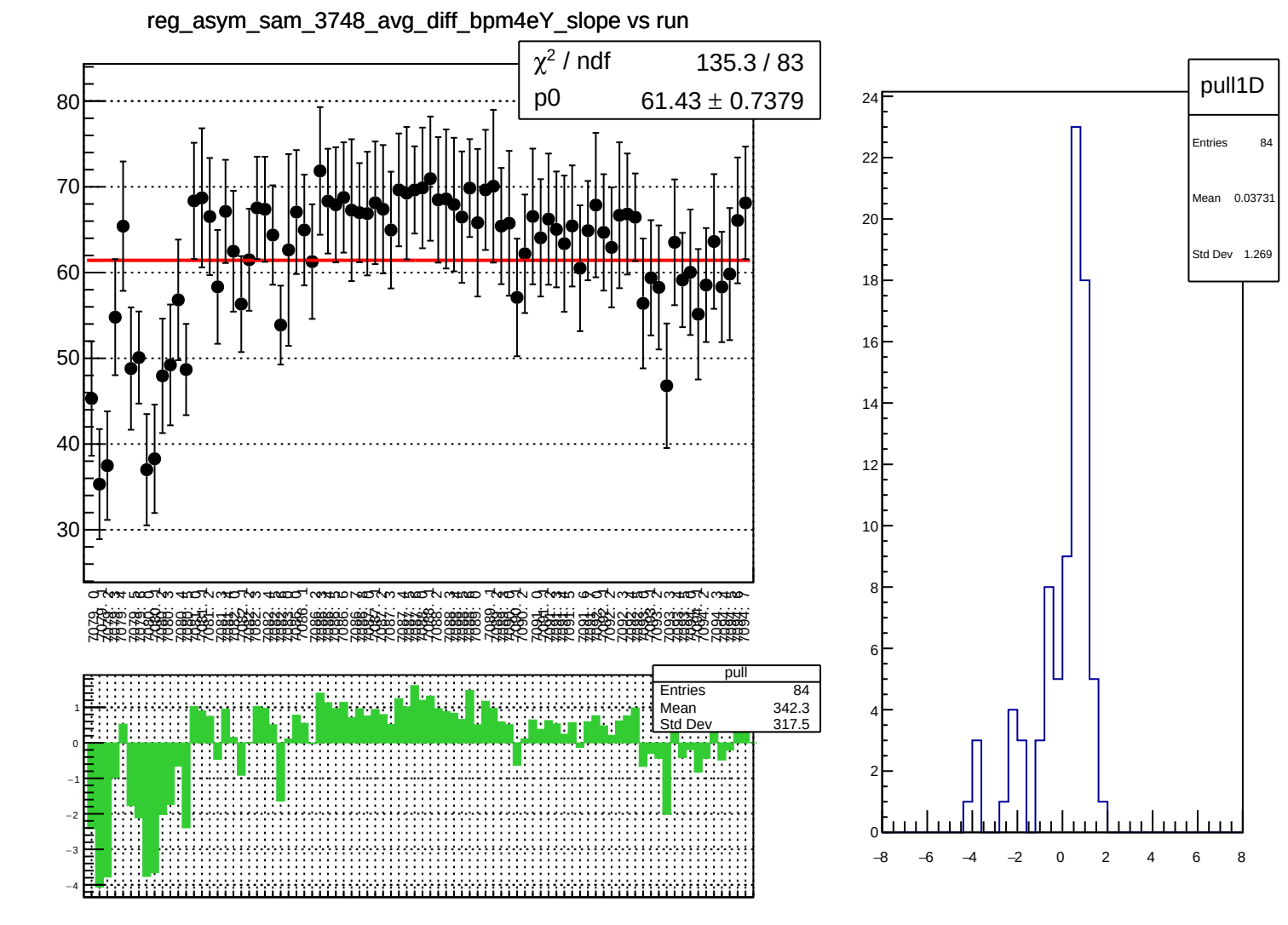

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 16.78 / 83
p0 −0.2196 ± 0.03058
pull
Entries 84
Mean 172.1
Std Dev 206.2

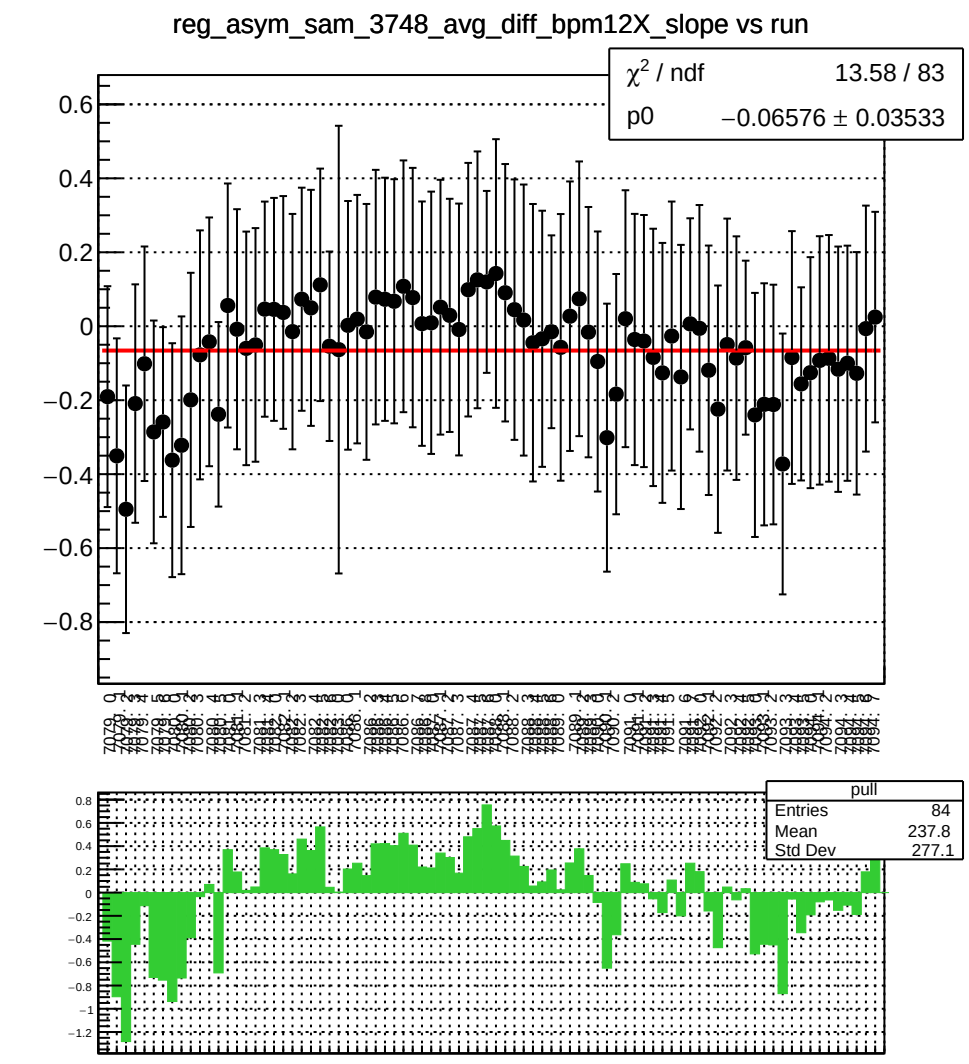

pull1D
Entries 84
Mean 0.005114
Std Dev 0.4469

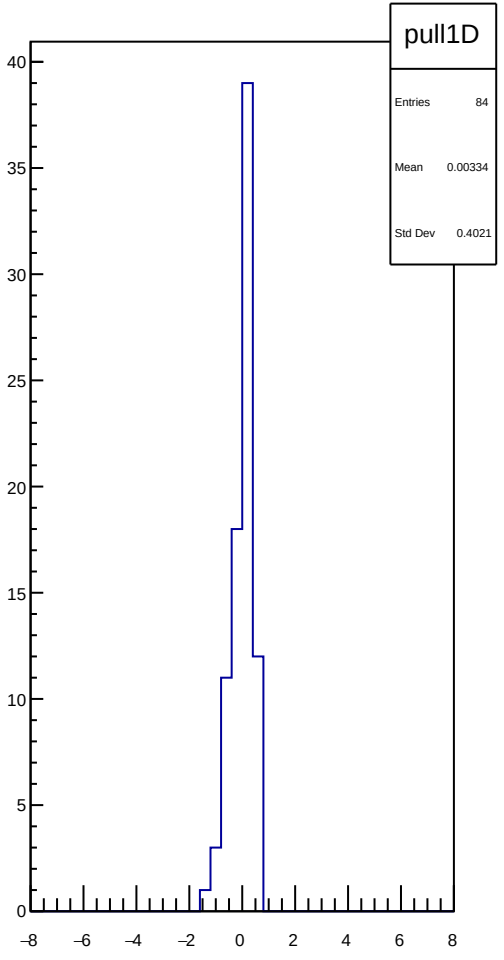

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 330.5 / 83
p0 −26.92 ± 0.9247
pull
Entries 84
Mean 149.5
Std Dev 119.2
pull1D
Entries 84
Mean 0.1731
Std Dev 1.976

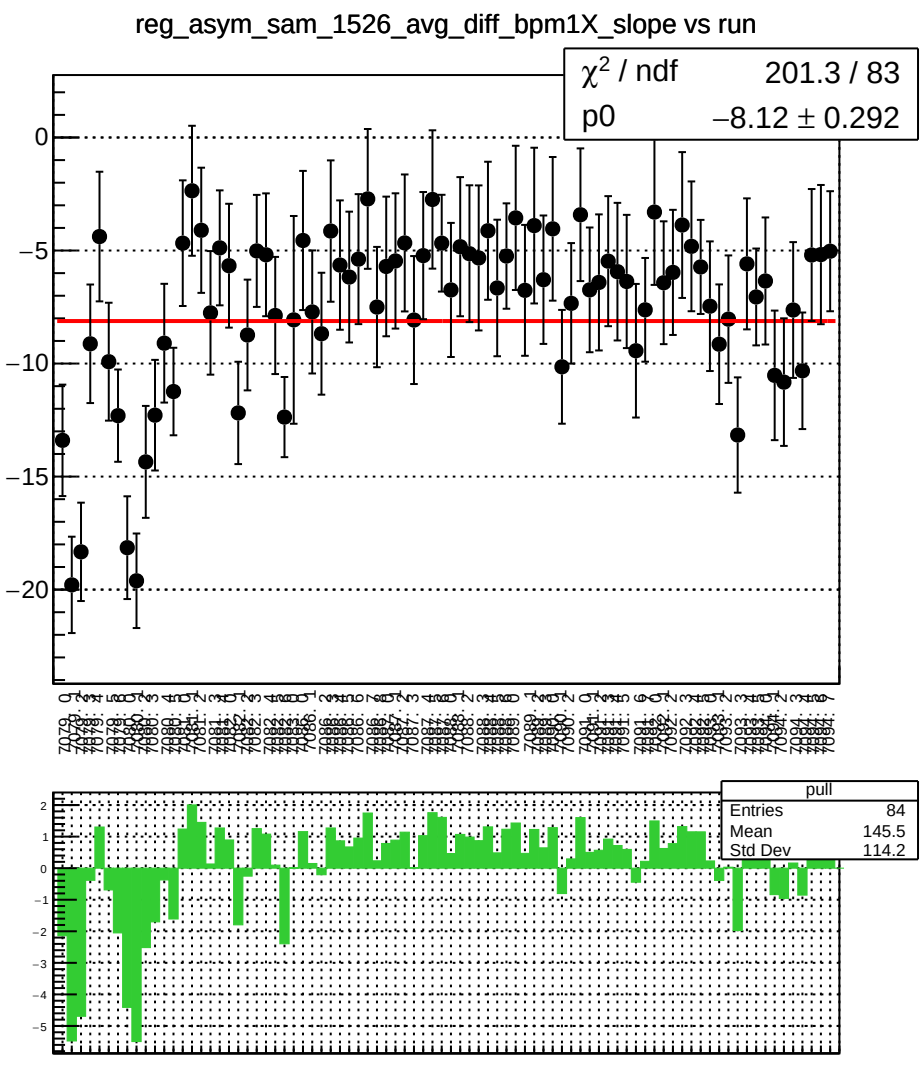

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 136.1 / 83
p0 −0.1075 ± 0.7015
pull
Entries 84
Mean 446.1
Std Dev 420.9
pull1D
Entries 84
Mean −0.02836
Std Dev 1.272

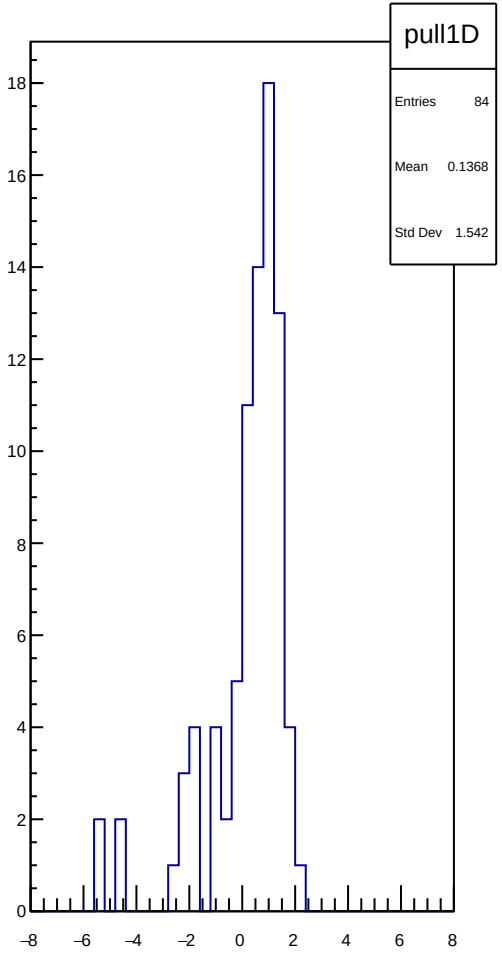

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 271.3 / 83
p0 −64.09 ± 0.8919
pull
Entries 84
Mean 141.3
Std Dev 111
pull1D
Entries 84
Mean −0.1644
Std Dev 1.79

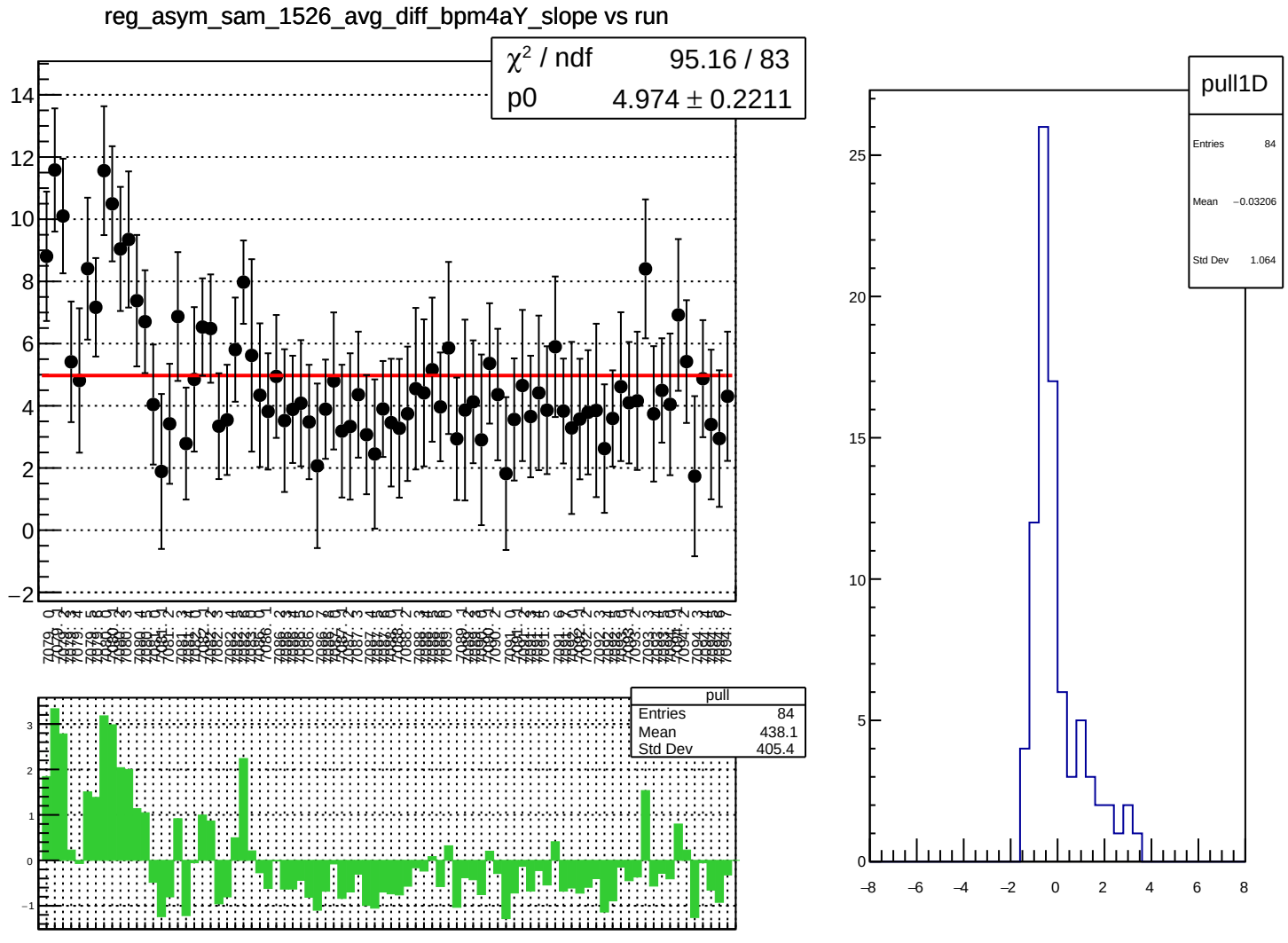

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 135.3 / 83
p0 61.43 ± 0.7379
pull
Entries 84
Mean 342.3
Std Dev 317.5
pull1D
Entries 84
Mean 0.03731
Std Dev 1.269

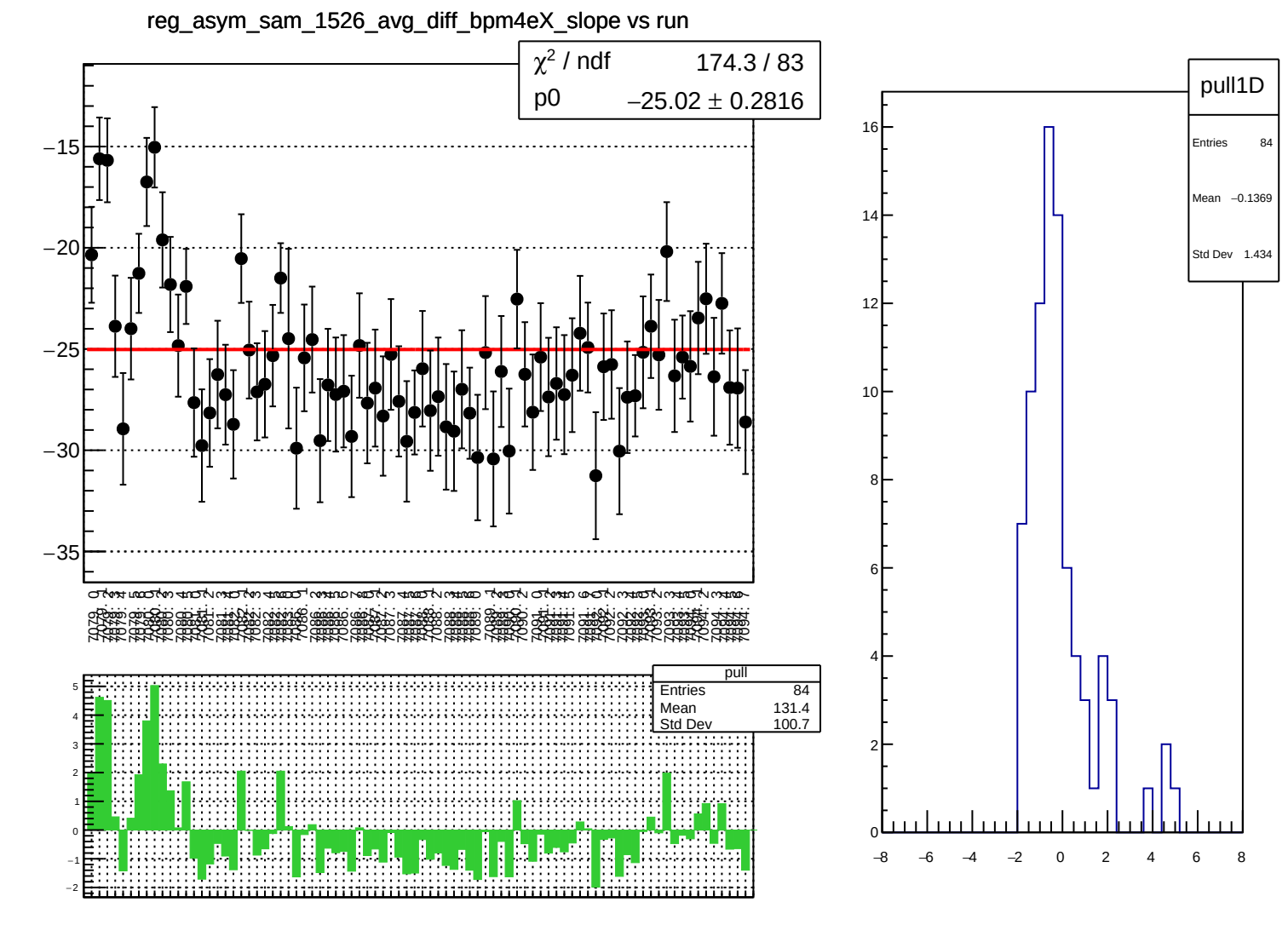

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 13.58 / 83
p0 −0.06576 ± 0.03533
pull
Entries 84
Mean 237.8
Std Dev 277.1

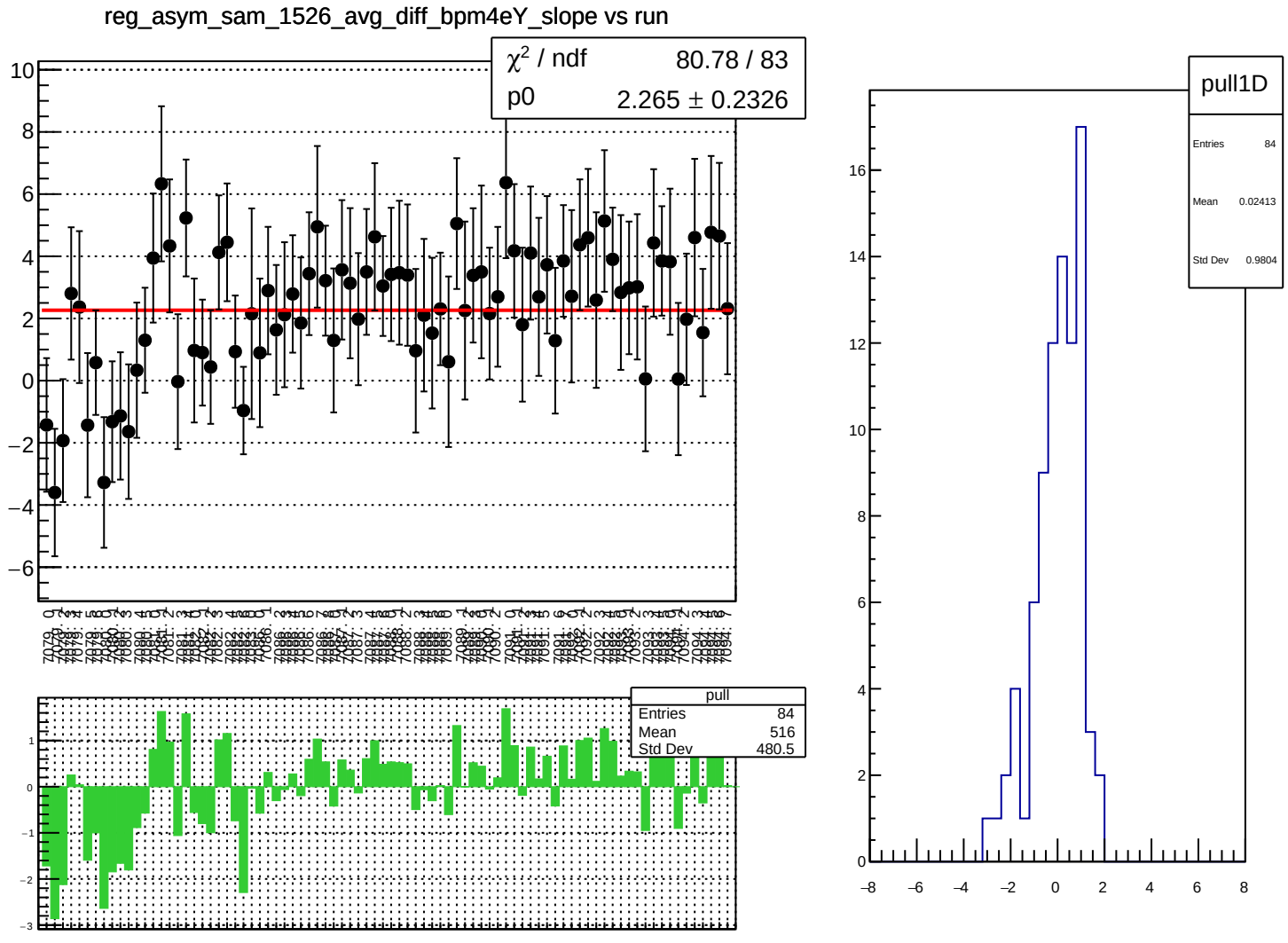

pull1D
Entries 84
Mean 0.00334
Std Dev 0.4021

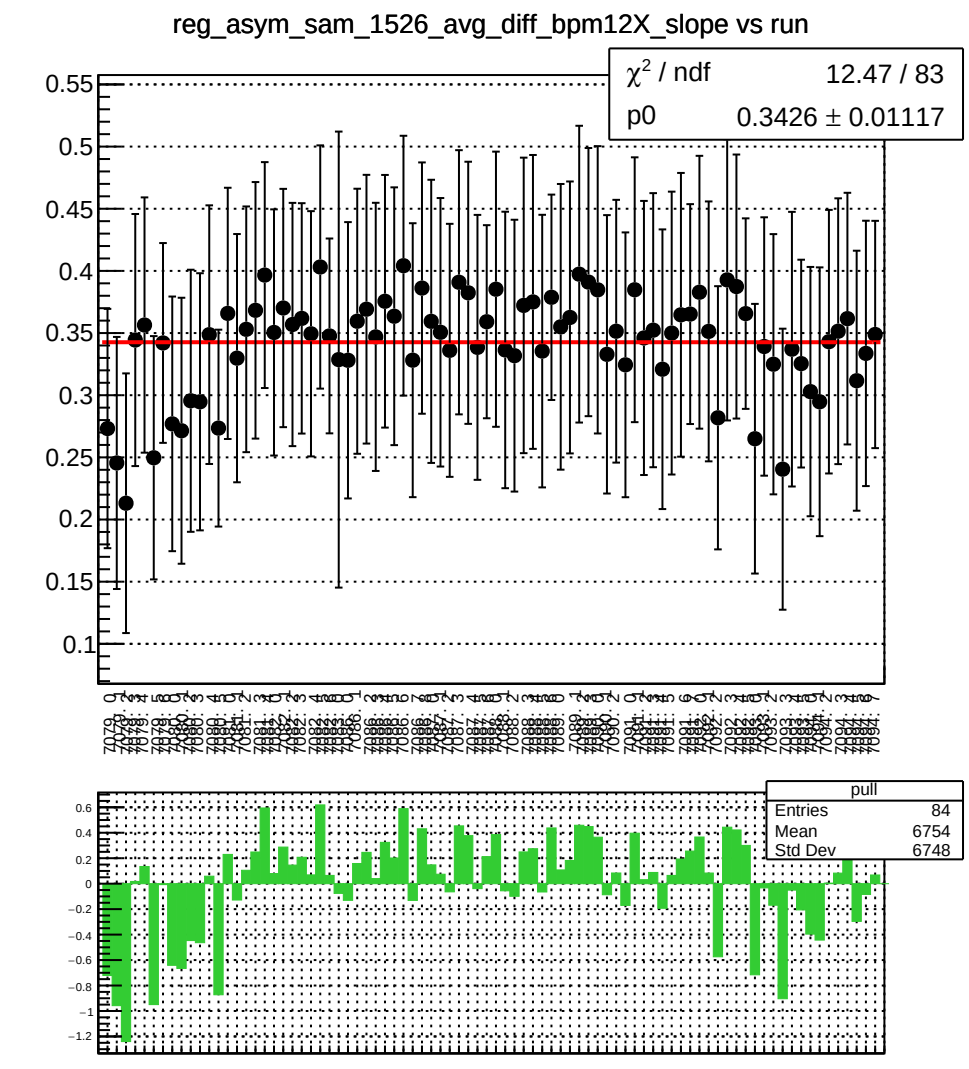

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 201.3 / 83
p0 −8.12 ± 0.292
pull
Entries 84
Mean 145.5
Std Dev 114.2

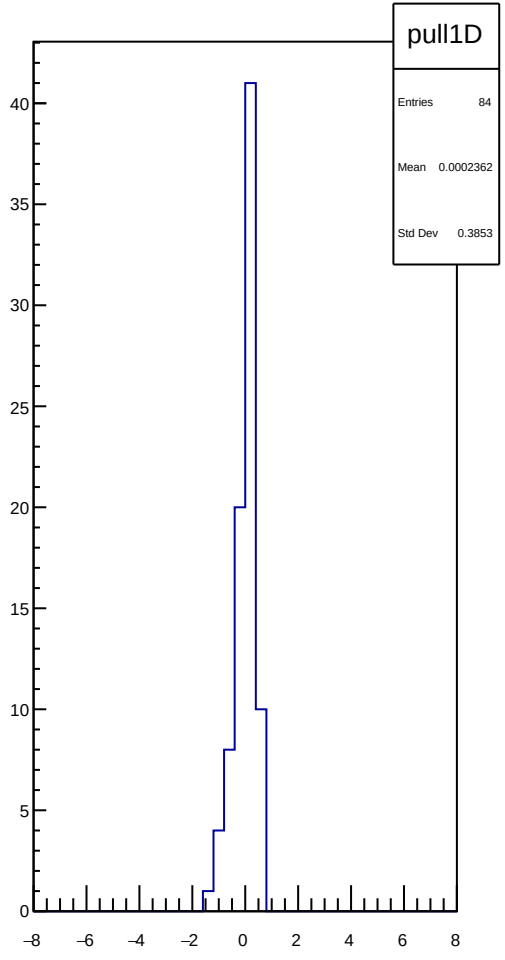

pull1D
Entries 84
Mean 0.1368
Std Dev 1.542

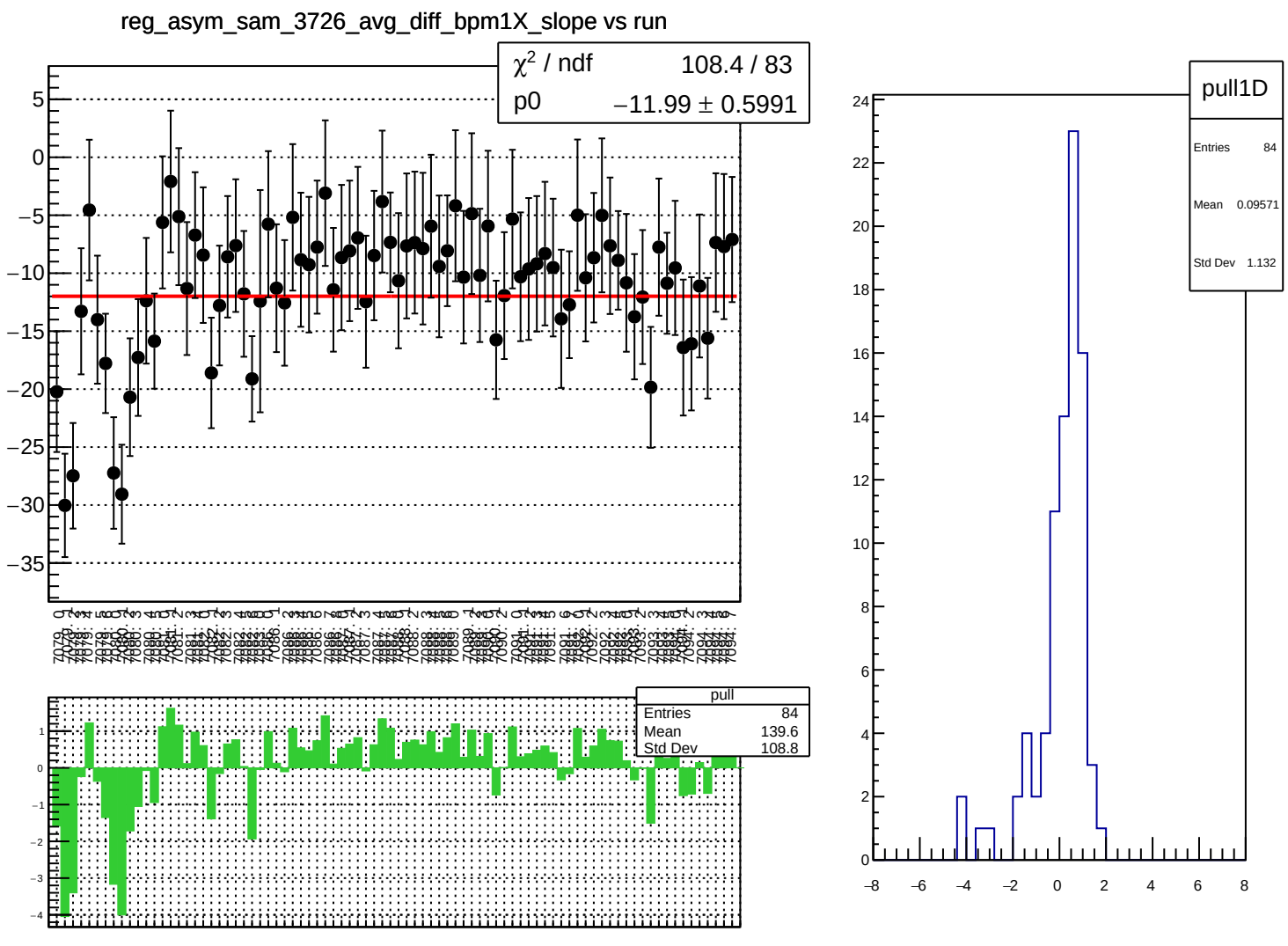

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 95.16 / 83
p0 4.974 ± 0.2211
pull
Entries 84
Mean 438.1
Std Dev 405.4
pull1D
Entries 84
Mean −0.03206
Std Dev 1.064

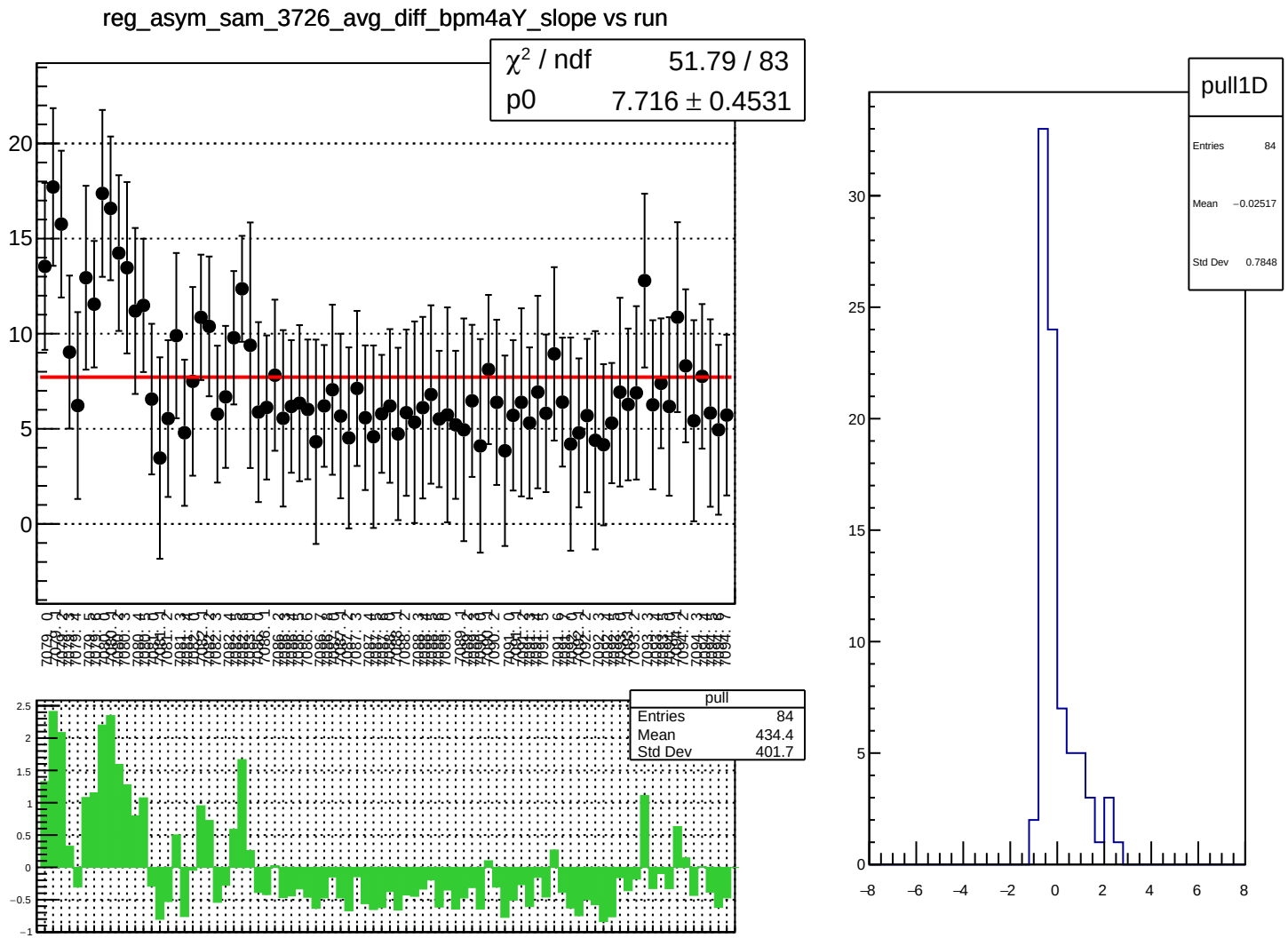

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 174.3 / 83
p0 −25.02 ± 0.2816
pull
Entries 84
Mean 131.4
Std Dev 100.7
pull1D
Entries 84
Mean −0.1369
Std Dev 1.434

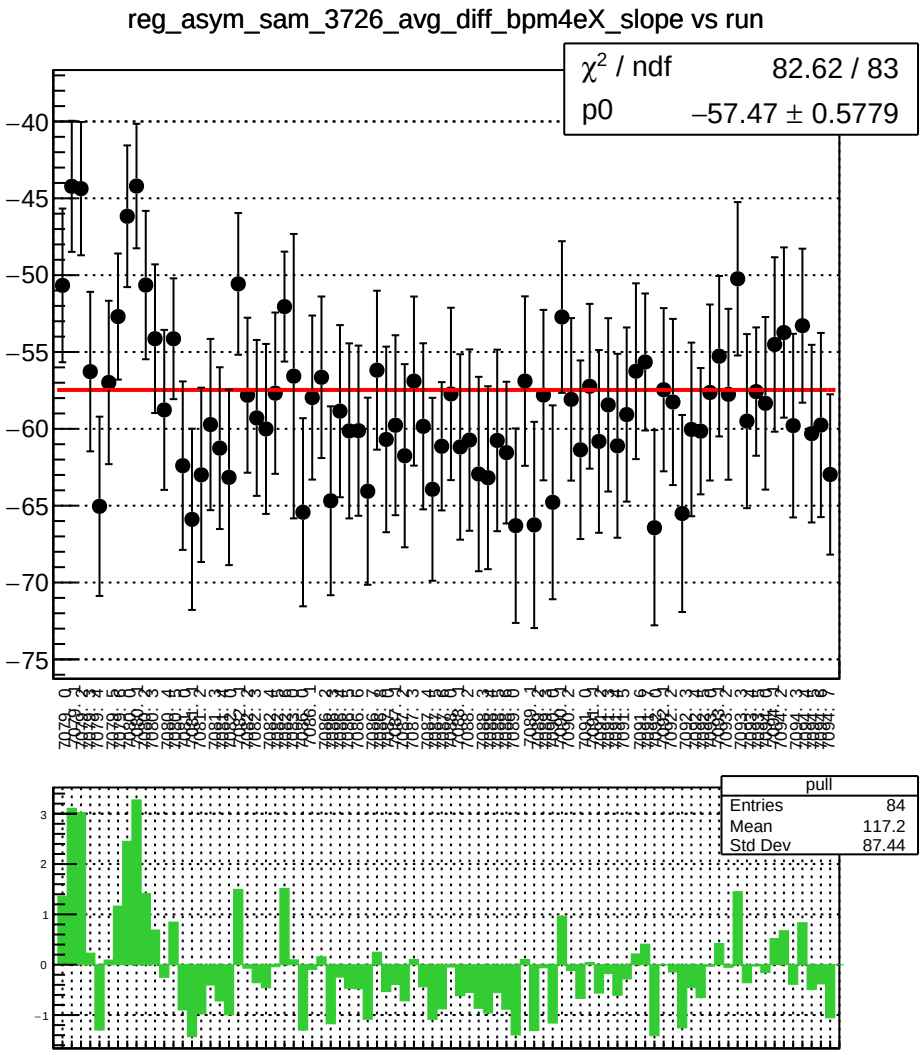

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 80.78 / 83
p0 2.265 ± 0.2326
pull
Entries 84
Mean 516
Std Dev 480.5
pull1D
Entries 84
Mean 0.02413
Std Dev 0.9804

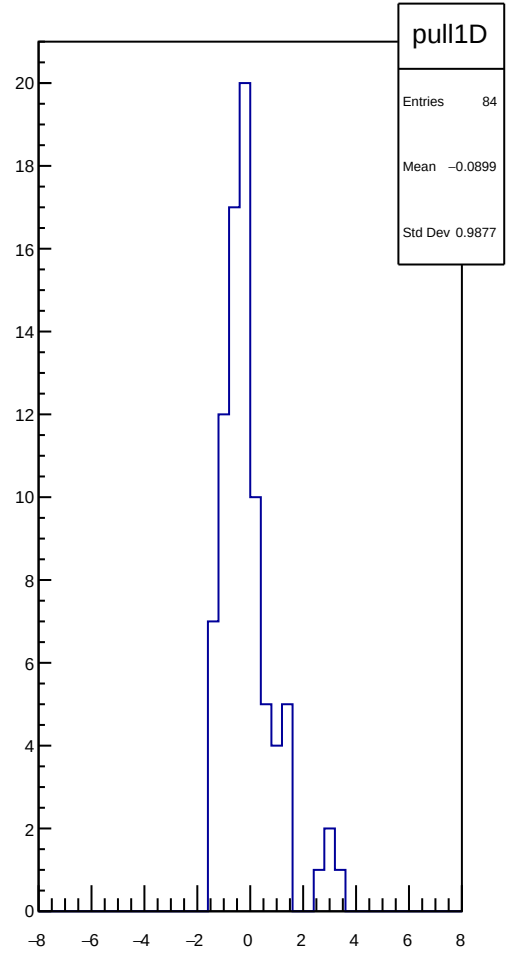

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 12.47 / 83
p0 0.3426 ± 0.01117
pull
Entries 84
Mean 6754
Std Dev 6748

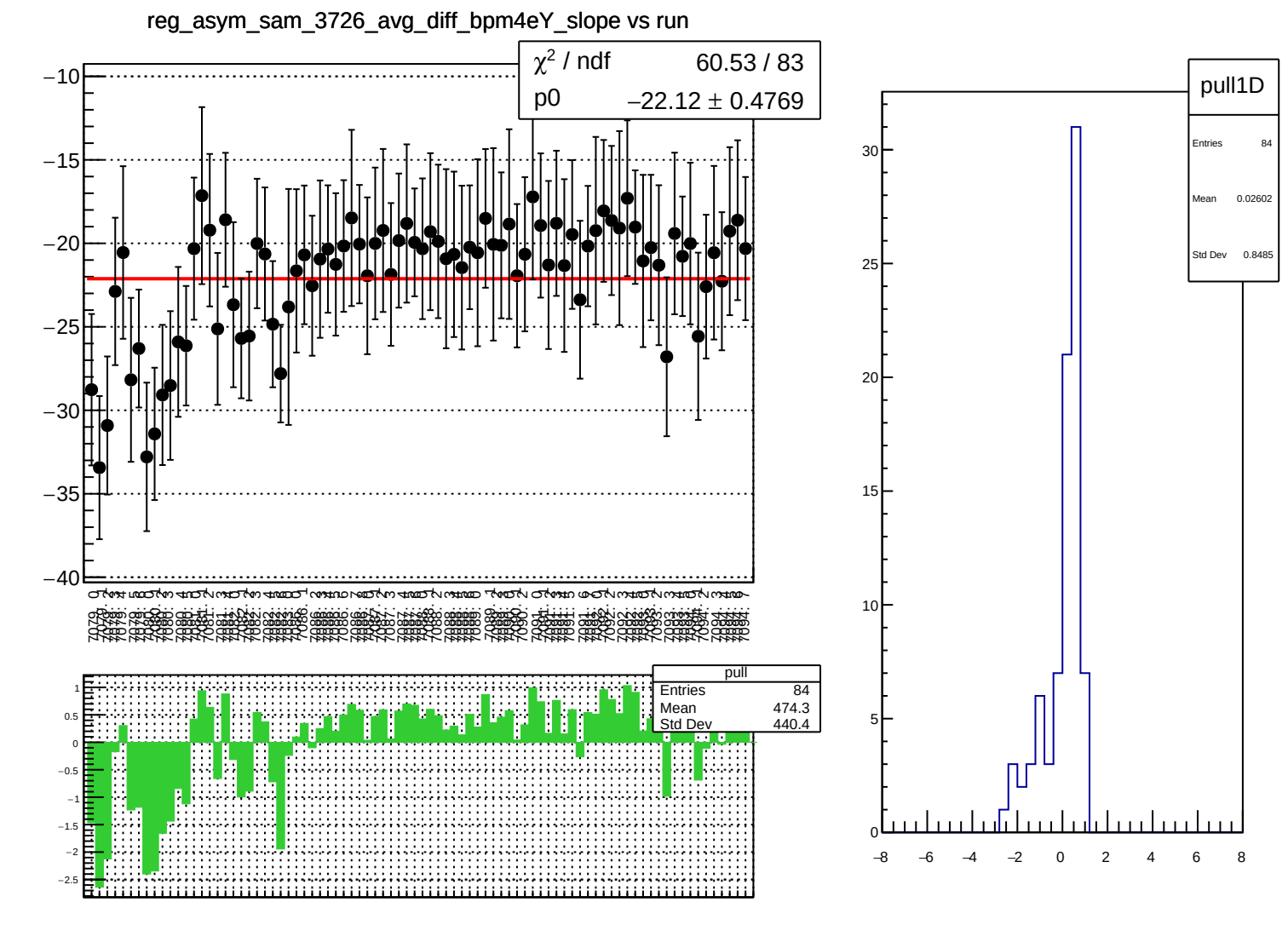

pull1D
Entries 84
Mean 0.0002362
Std Dev 0.3853

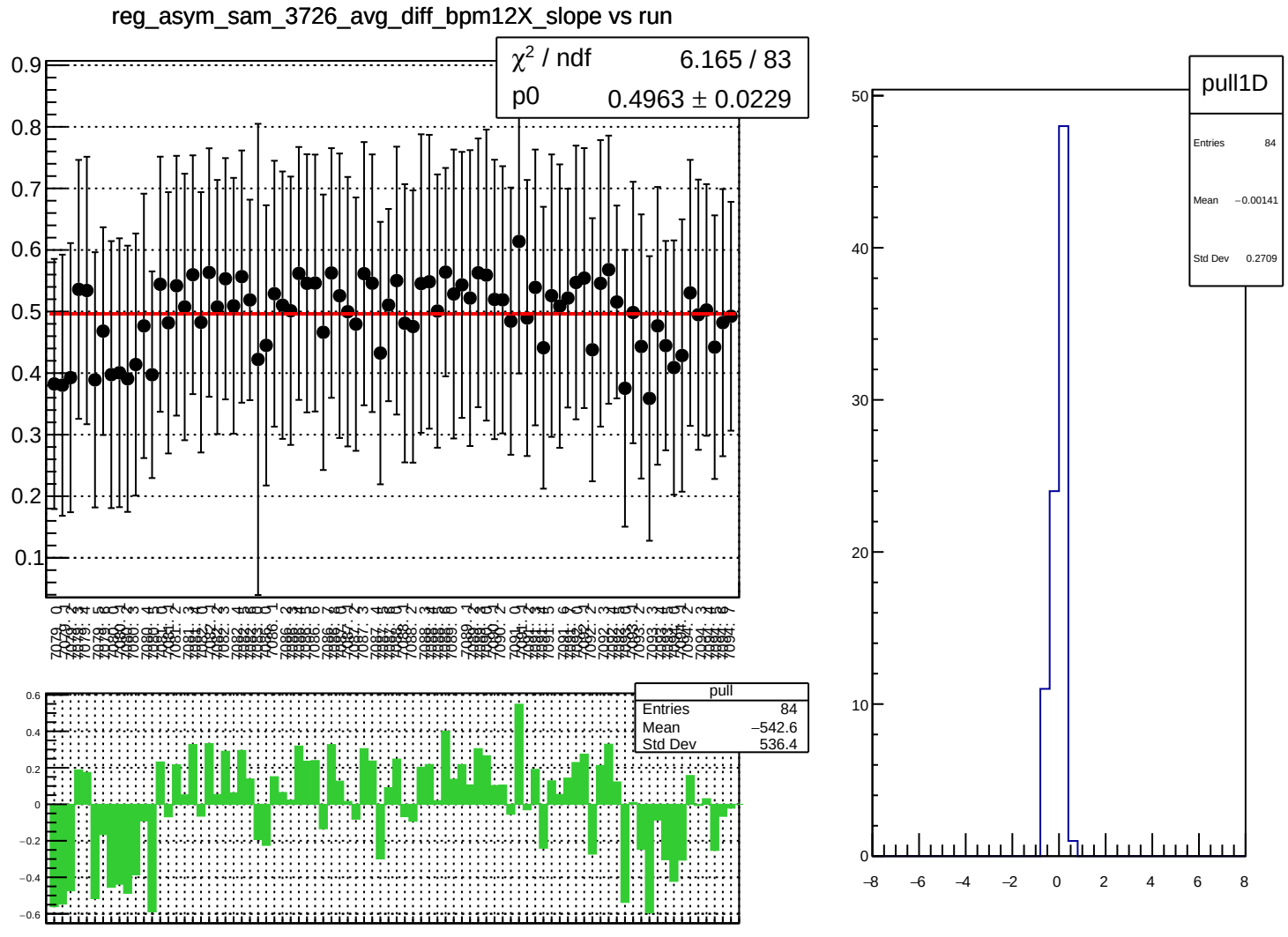

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 108.4 / 83
p0 −11.99 ± 0.5991
pull
Entries 84
Mean 139.6
Std Dev 108.8
pull1D
Entries 84
Mean 0.09571
Std Dev 1.132

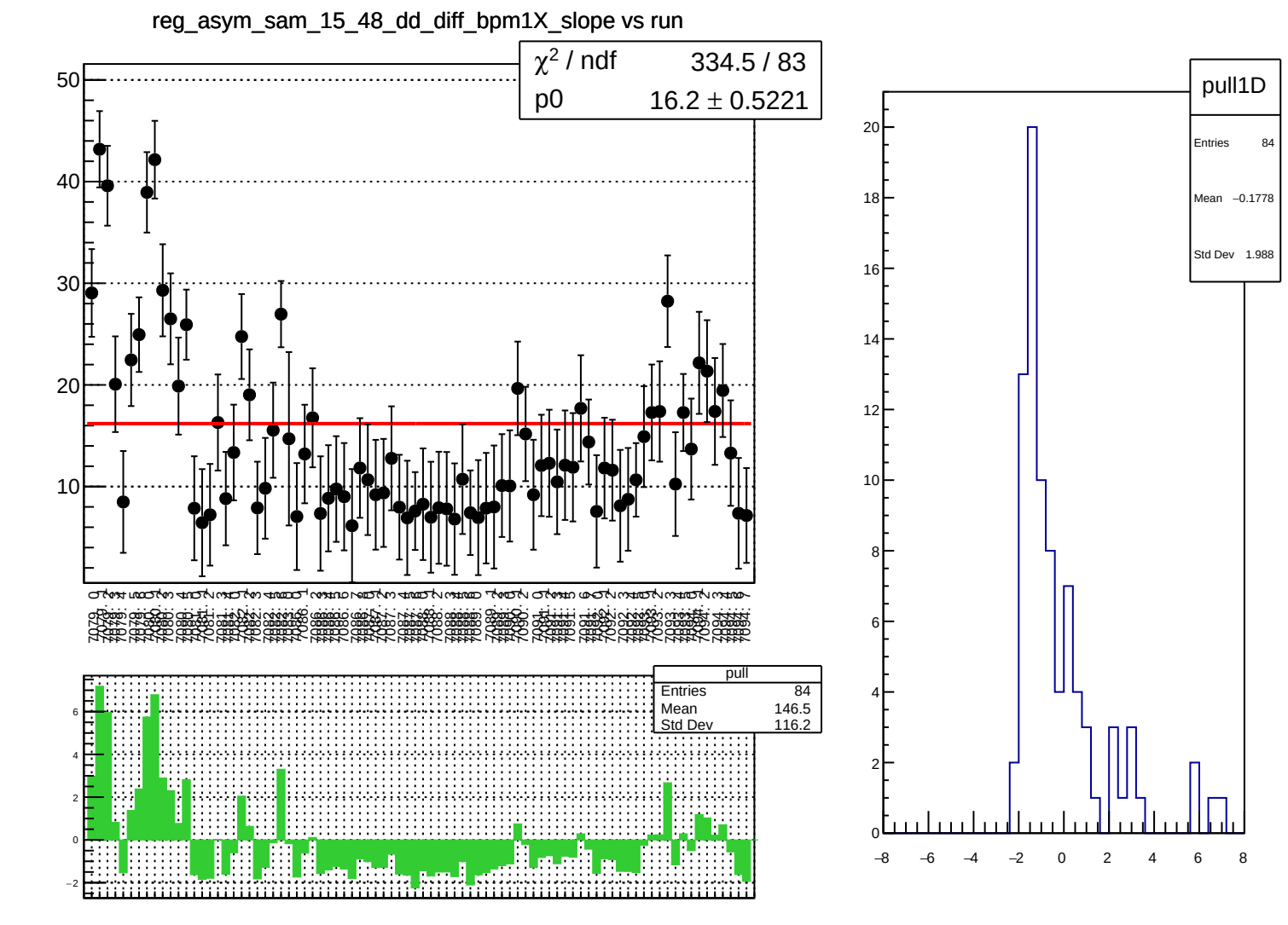

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 51.79 / 83
p0 7.716 ± 0.4531
pull
Entries 84
Mean 434.4
Std Dev 401.7
pull1D
Entries 84
Mean −0.02517
Std Dev 0.7848

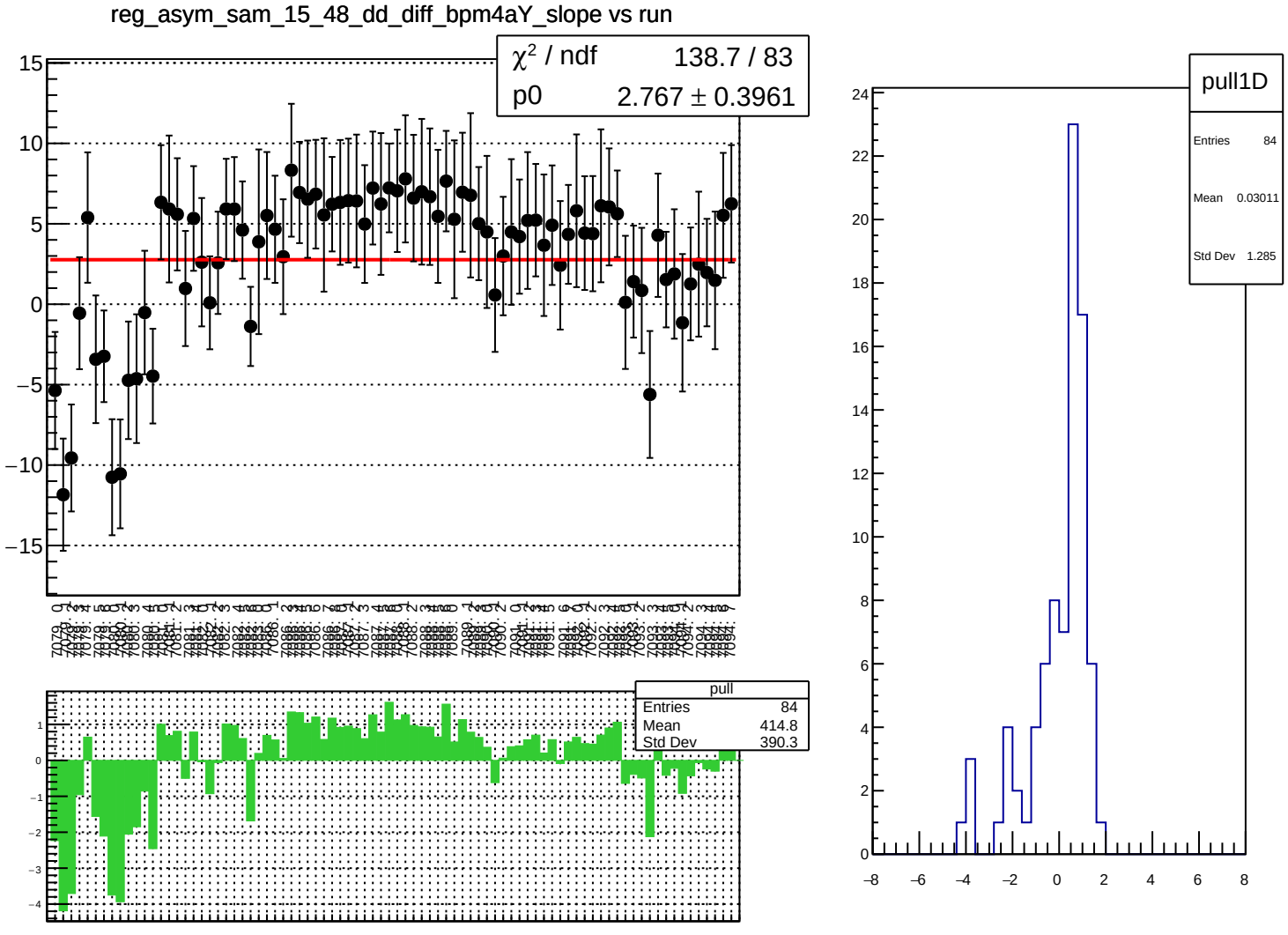

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 82.62 / 83
p0 −57.47 ± 0.5779
pull
Entries 84
Mean 117.2
Std Dev 87.44

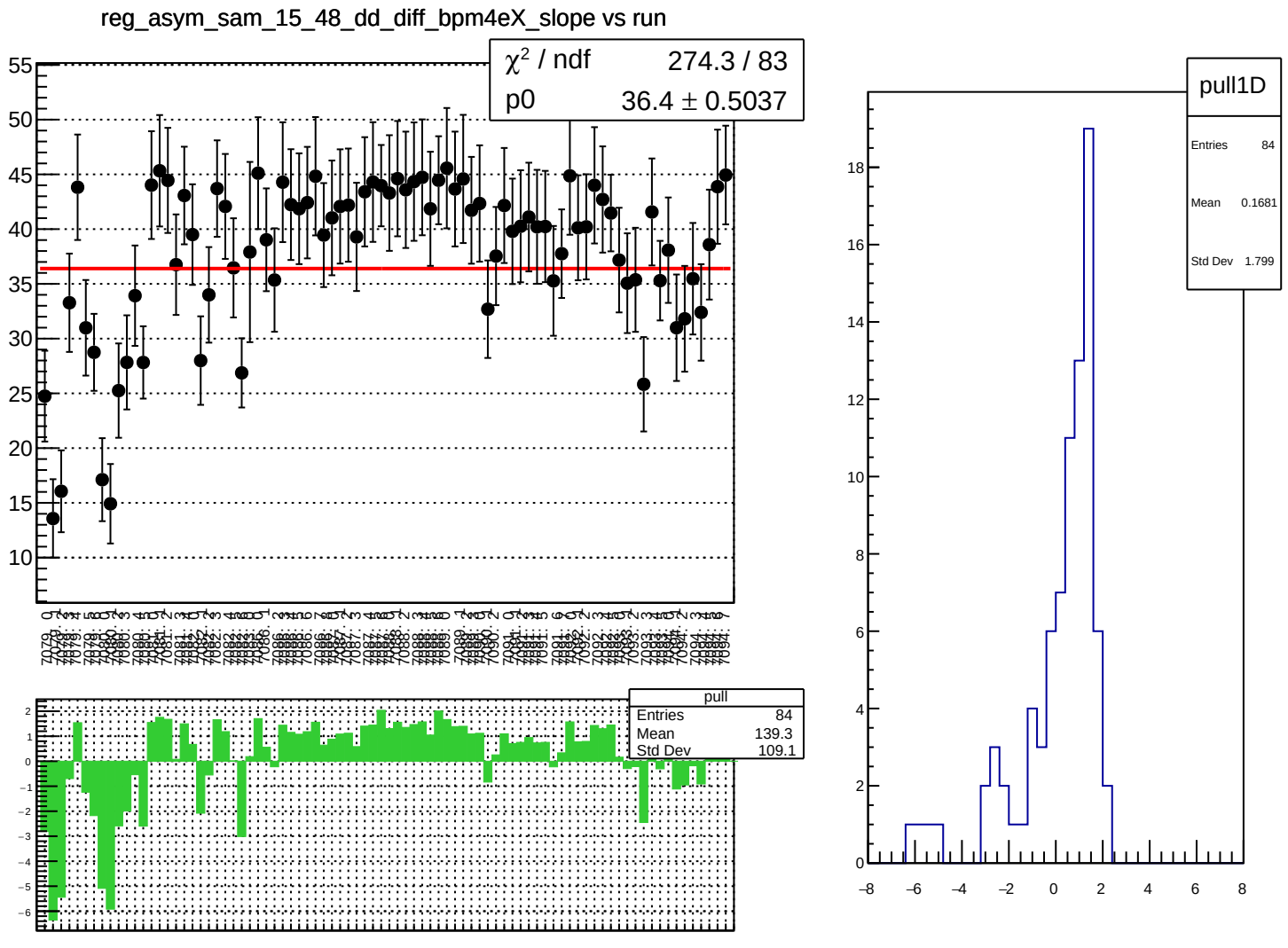

pull1D
Entries 84
Mean −0.0899
Std Dev 0.9877

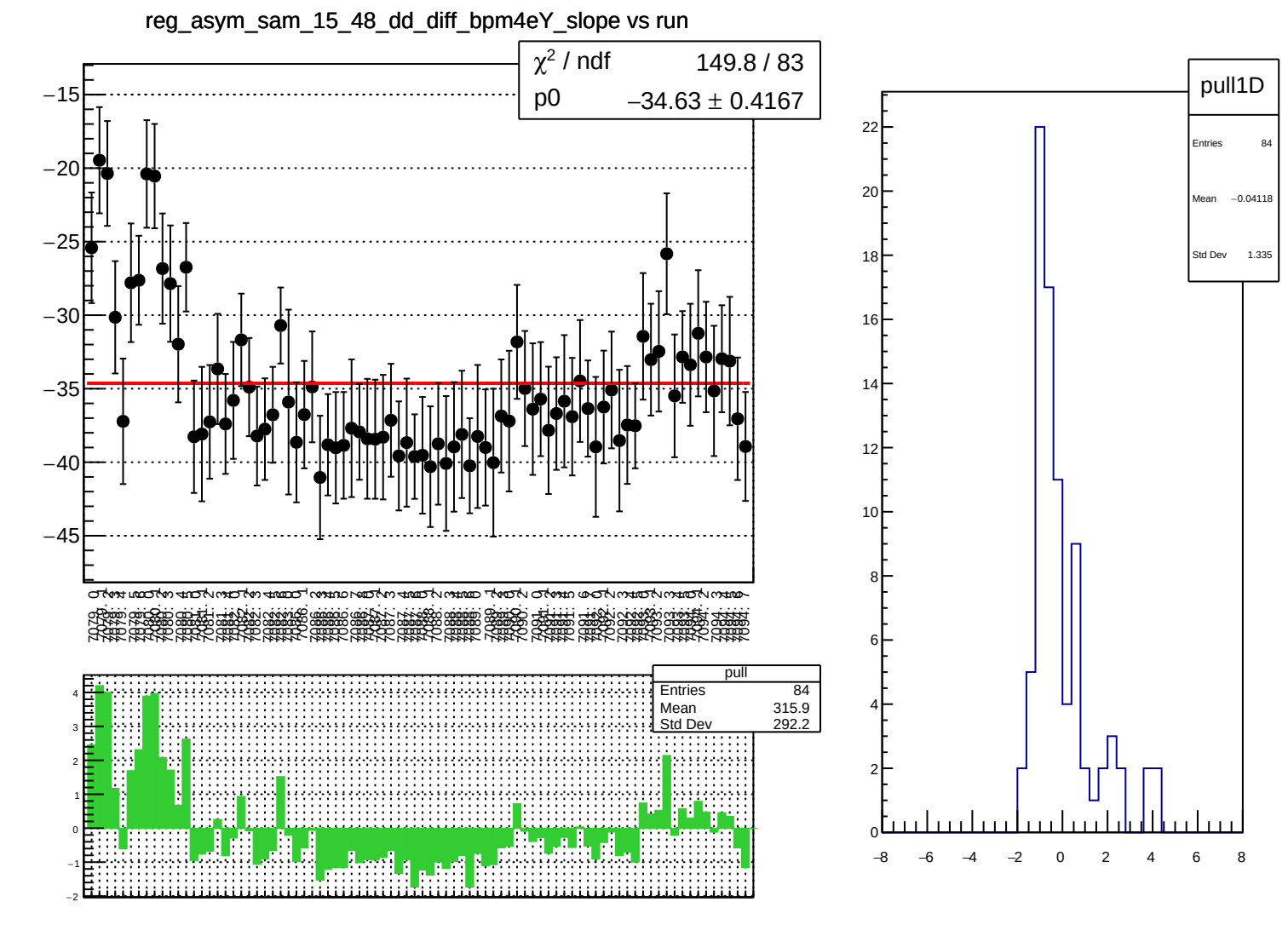

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 60.53 / 83
p0 −22.12 ± 0.4769
pull
Entries 84
Mean 474.3
Std Dev 440.4
pull1D
Entries 84
Mean 0.02602
Std Dev 0.8485

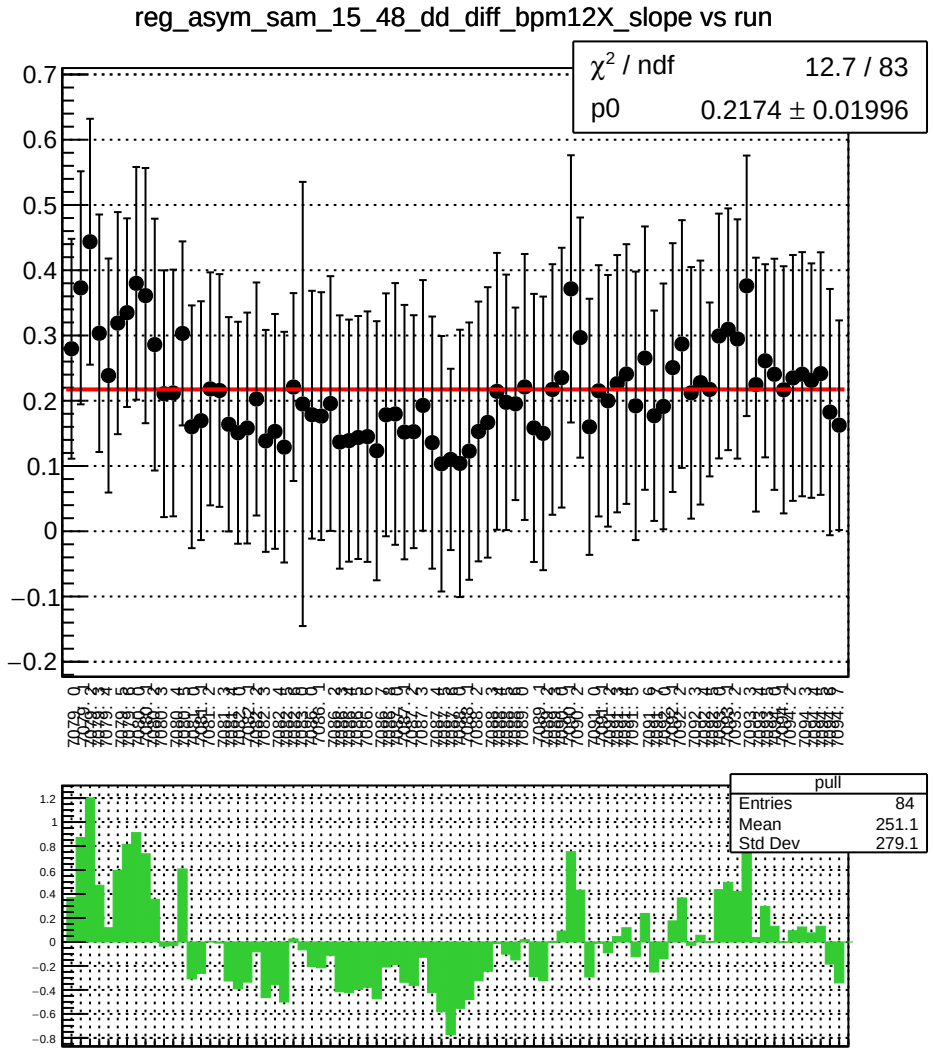

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 6.165 / 83
p0 0.4963 ± 0.0229
pull
Entries 84
Mean −542.6
Std Dev 536.4
pull1D
Entries 84
Mean −0.00141
Std Dev 0.2709

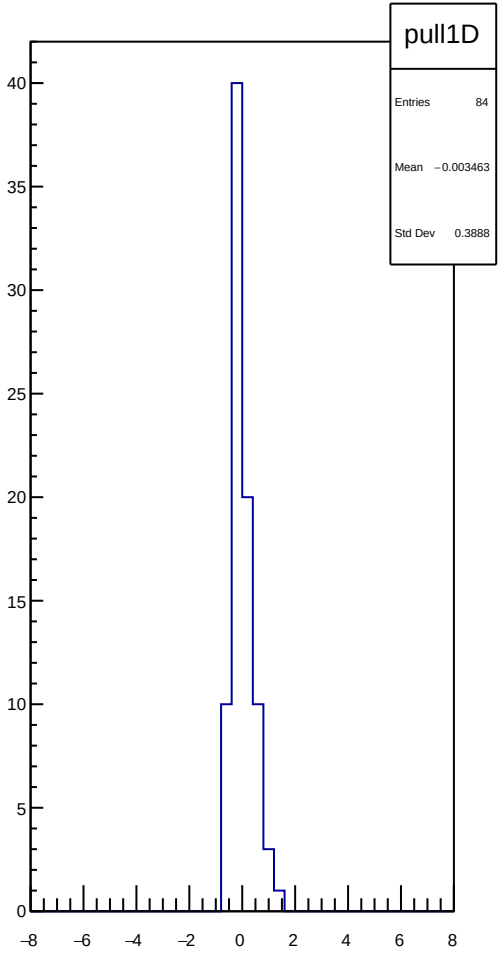

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 334.5 / 83
p0 16.2 ± 0.5221
pull
Entries 84
Mean 146.5
Std Dev 116.2
pull1D
Entries 84
Mean −0.1778
Std Dev 1.988

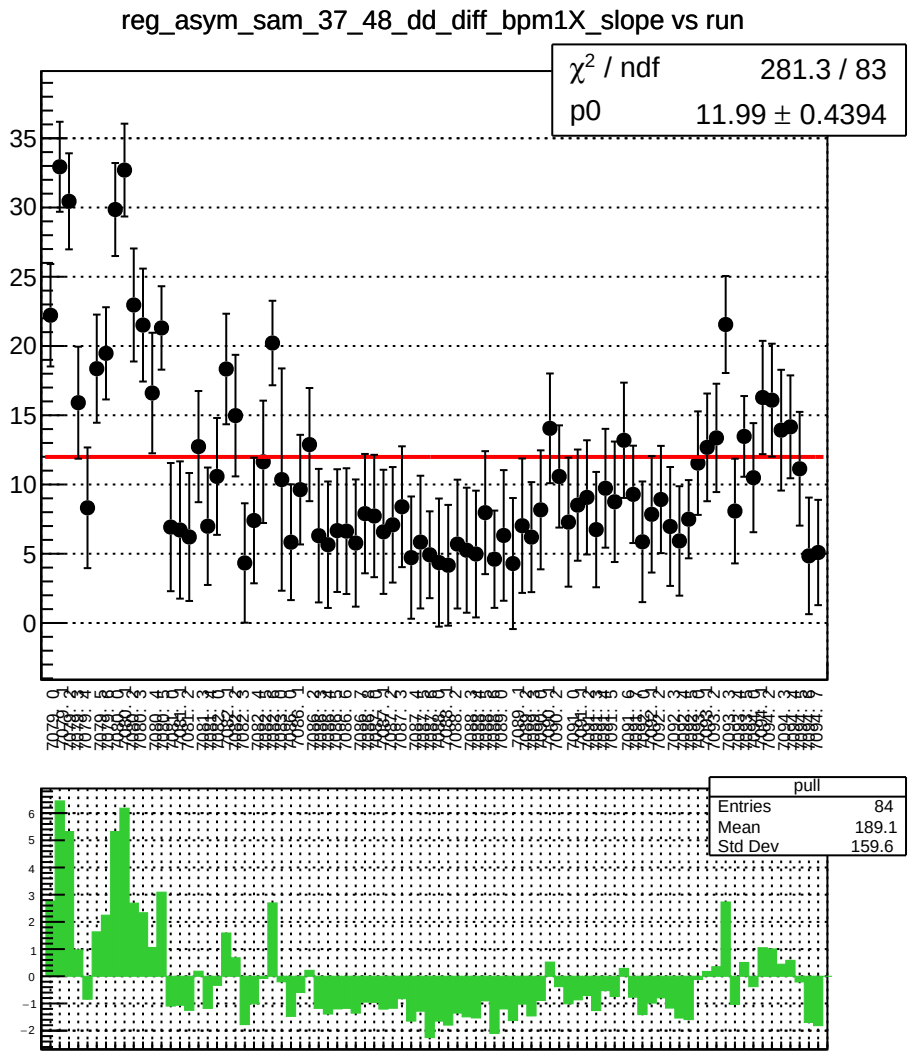

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 138.7 / 83
p0 2.767 ± 0.3961
pull
Entries 84
Mean 414.8
Std Dev 390.3
pull1D
Entries 84
Mean 0.03011
Std Dev 1.285

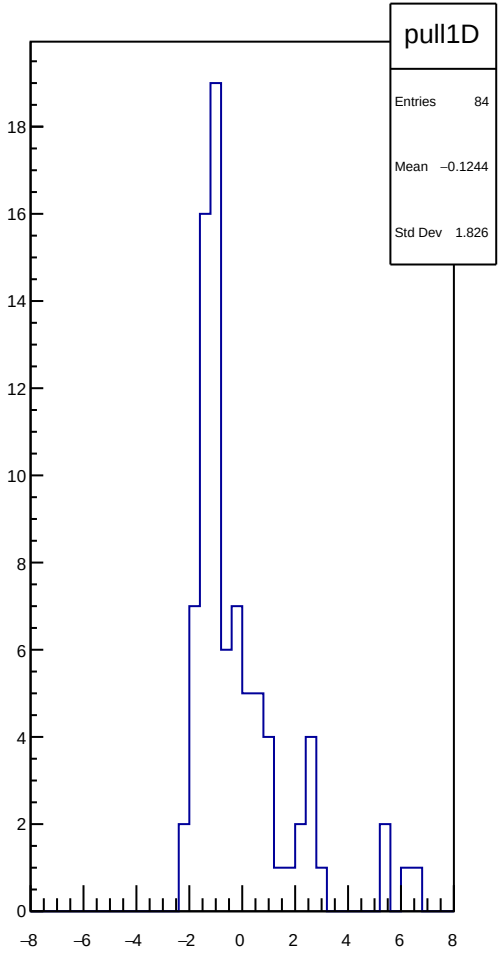

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 274.3 / 83
p0 36.4 ± 0.5037
pull
Entries 84
Mean 139.3
Std Dev 109.1
pull1D
Entries 84
Mean 0.1681
Std Dev 1.799

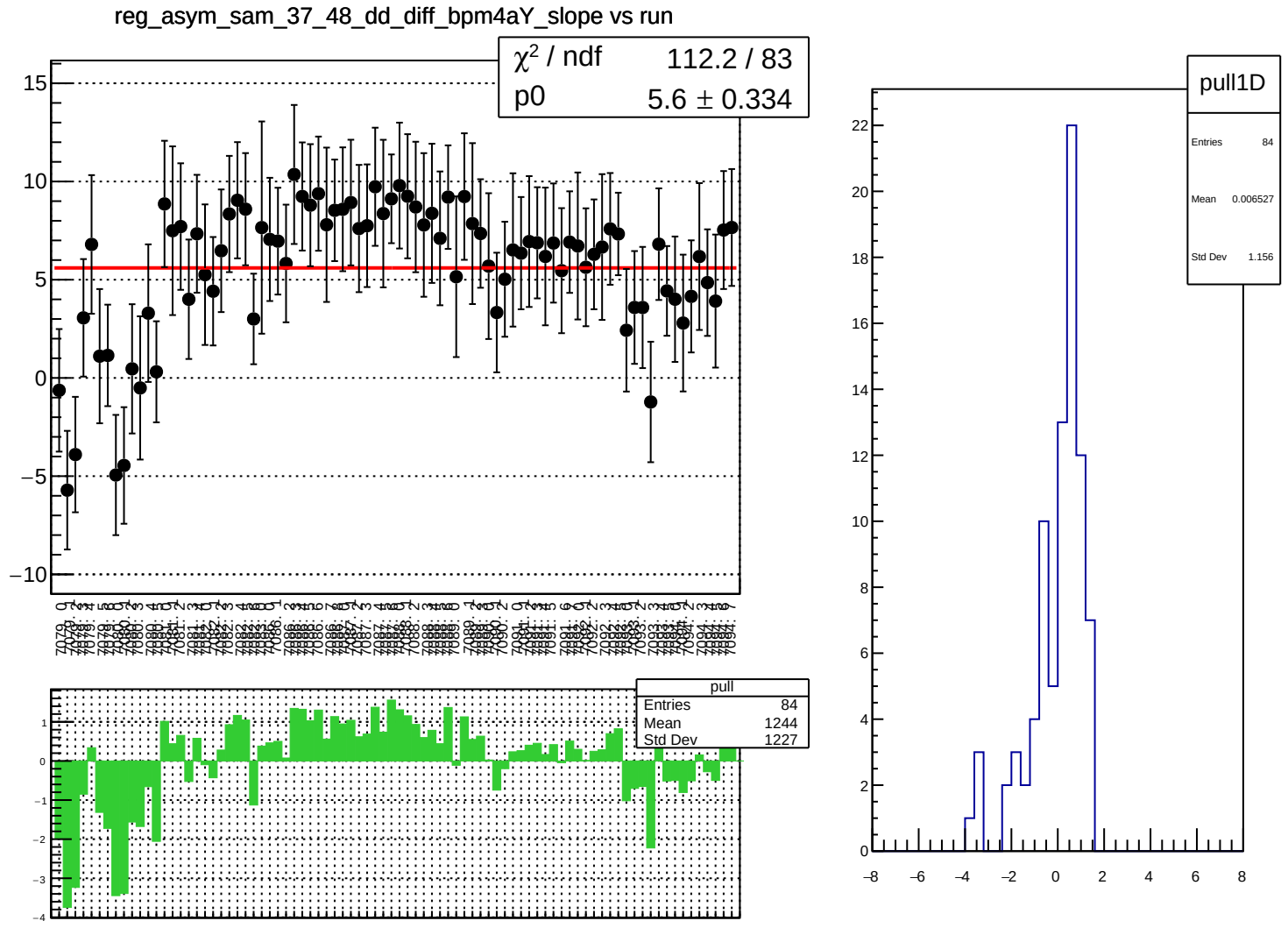

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 149.8 / 83
p0 −34.63 ± 0.4167
pull
Entries 84
Mean 315.9
Std Dev 292.2
pull1D
Entries 84
Mean −0.04118
Std Dev 1.335

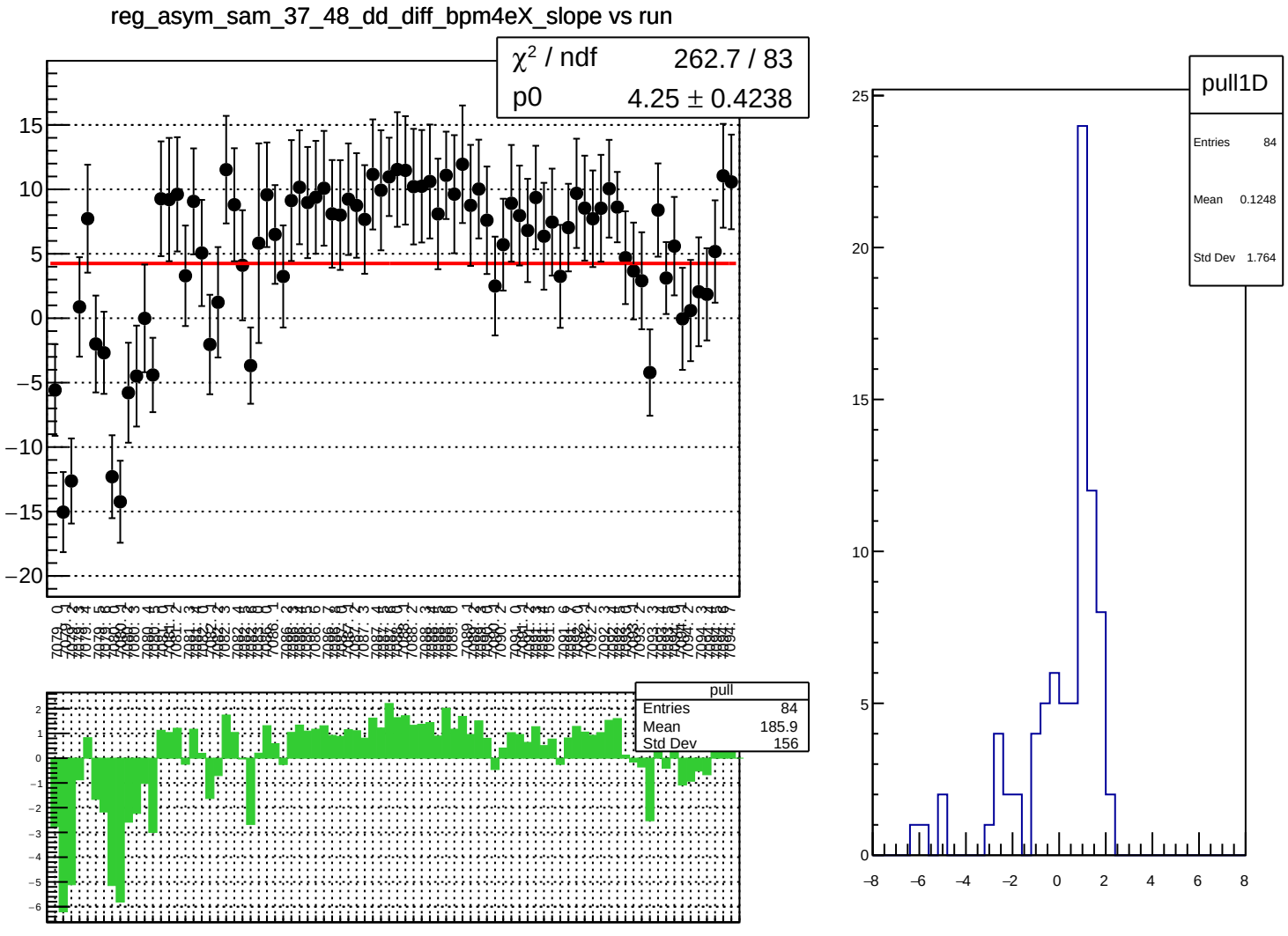

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 12.7 / 83
p0 0.2174 ± 0.01996
pull
Entries 84
Mean 251.1
Std Dev 279.1

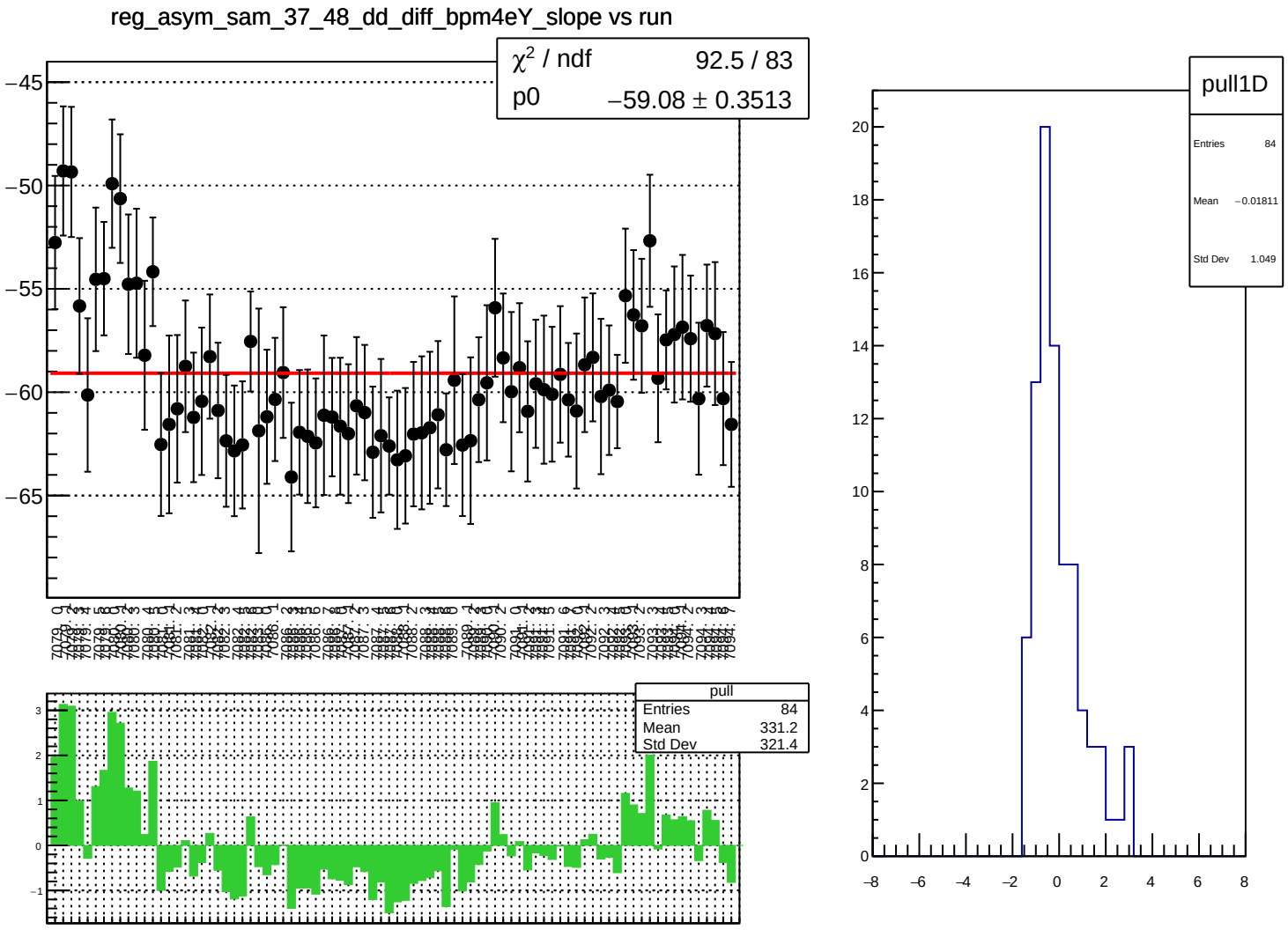

pull1D
Entries 84
Mean −0.003463
Std Dev 0.3888

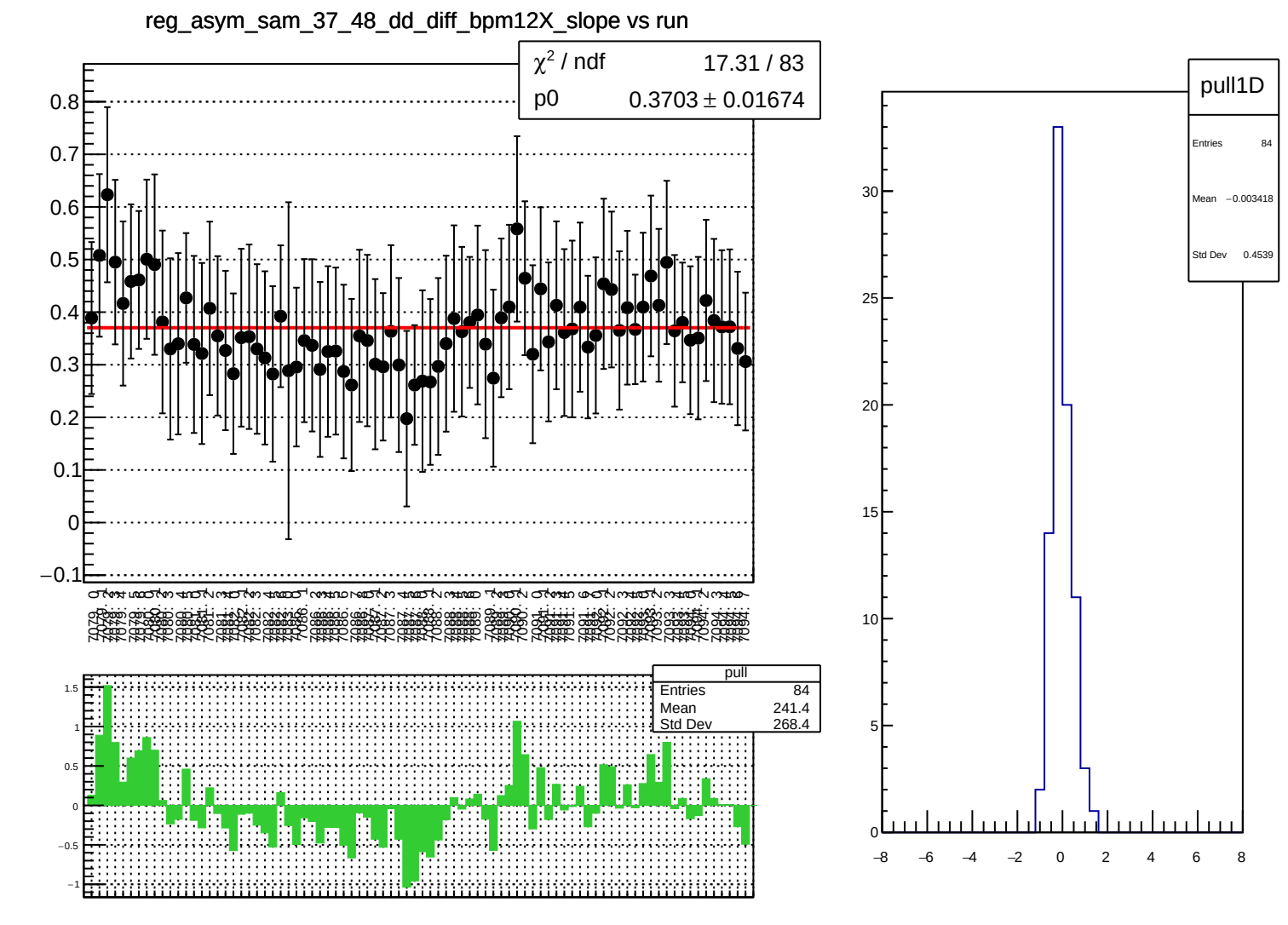

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 281.3 / 83
p0 11.99 ± 0.4394
pull
Entries 84
Mean 189.1
Std Dev 159.6

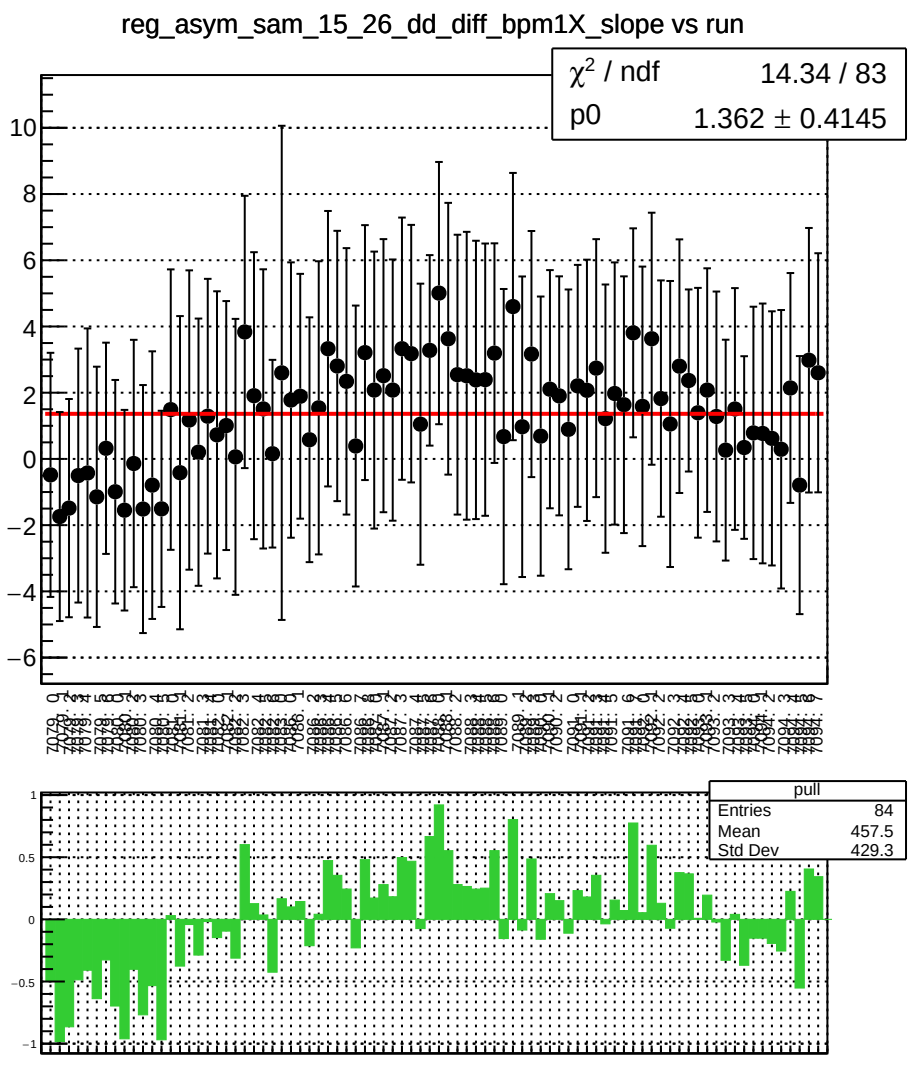

pull1D
Entries 84
Mean −0.1244
Std Dev 1.826

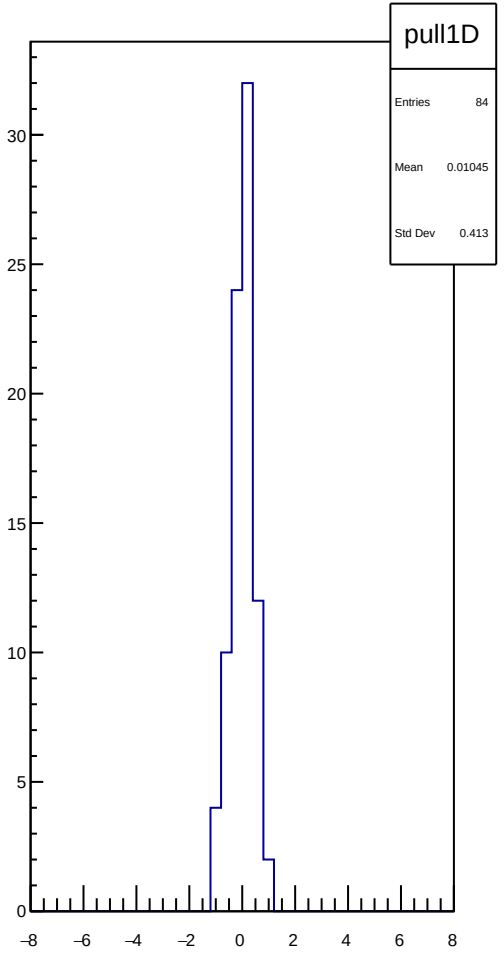

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 112.2 / 83
p0 5.6 ± 0.334
pull
Entries 84
Mean 1244
Std Dev 1227
pull1D
Entries 84
Mean 0.006527
Std Dev 1.156

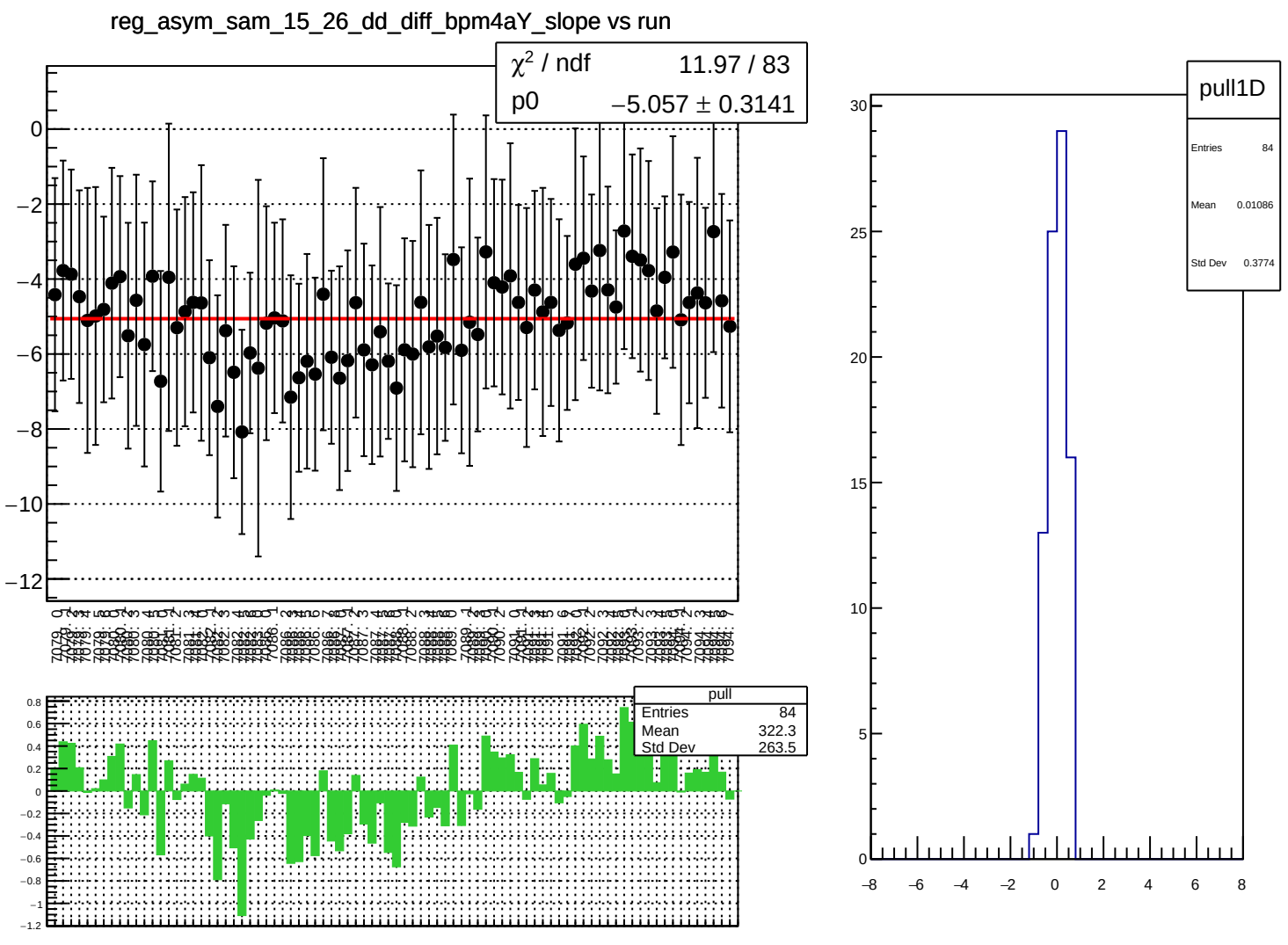

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 262.7 / 83
p0 4.25 ± 0.4238
pull
Entries 84
Mean 185.9
Std Dev 156
pull1D
Entries 84
Mean 0.1248
Std Dev 1.764

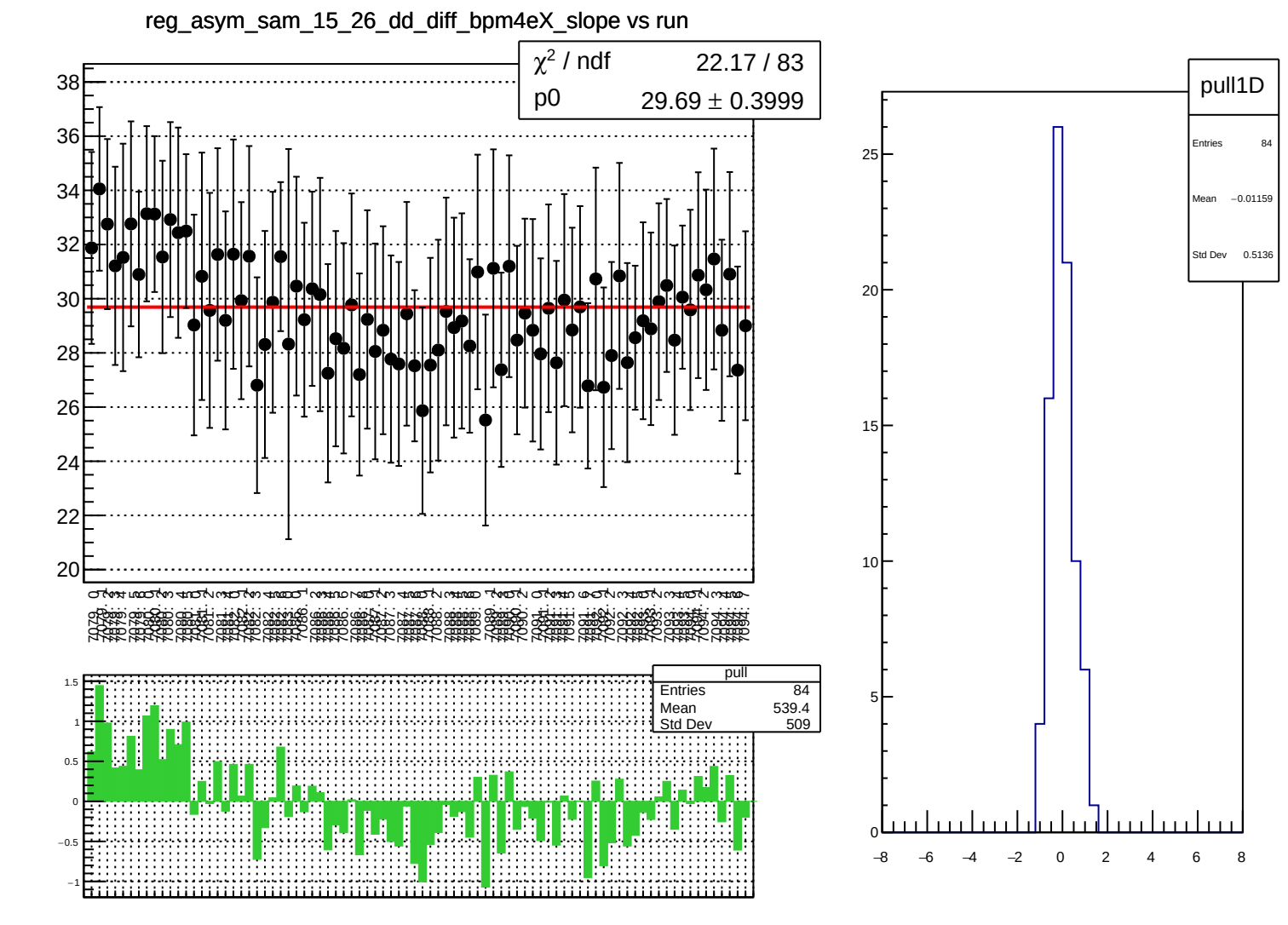

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 92.5 / 83
p0 −59.08 ± 0.3513
−45
−50
−55
−60
−65
pull
Entries 84
Mean 331.2
Std Dev 321.4
3
2
1
0
−1
pull1D
Entries 84
Mean −0.01811
Std Dev 1.049
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

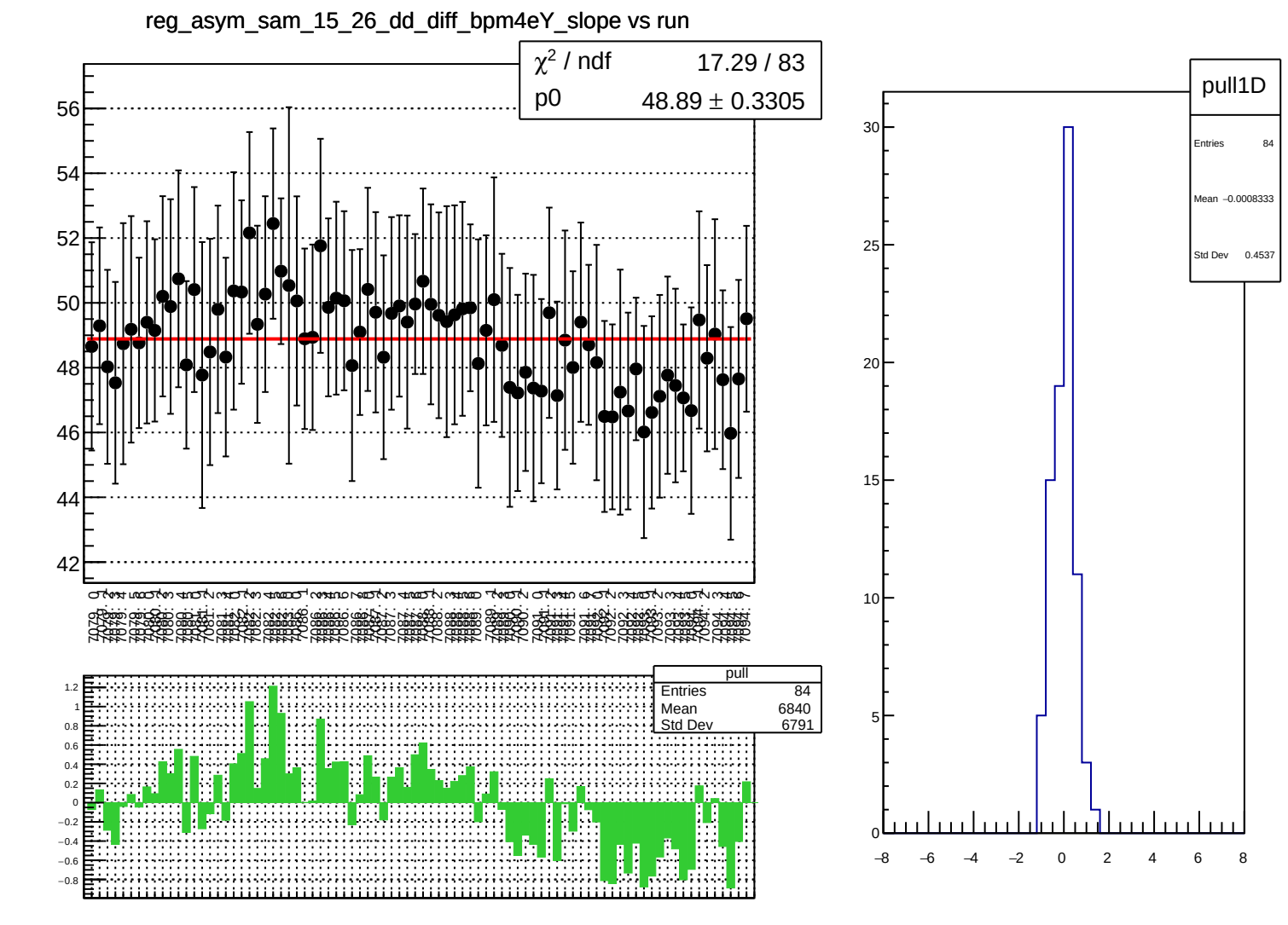

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 17.31 / 83
p0 0.3703 ± 0.01674
pull
Entries 84
Mean 241.4
Std Dev 268.4
pull1D
Entries 84
Mean −0.003418
Std Dev 0.4539

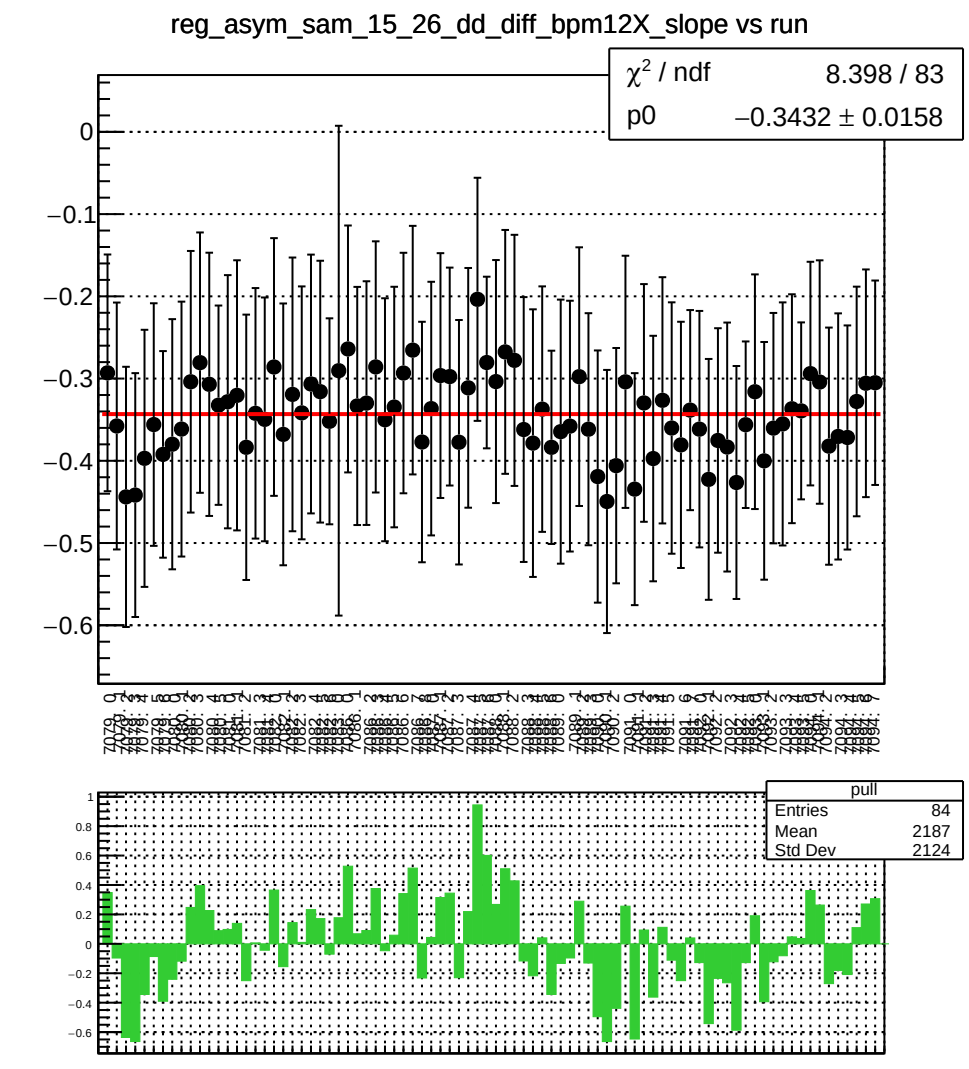

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 14.34 / 83
p0 1.362 ± 0.4145
pull
Entries 84
Mean 457.5
Std Dev 429.3

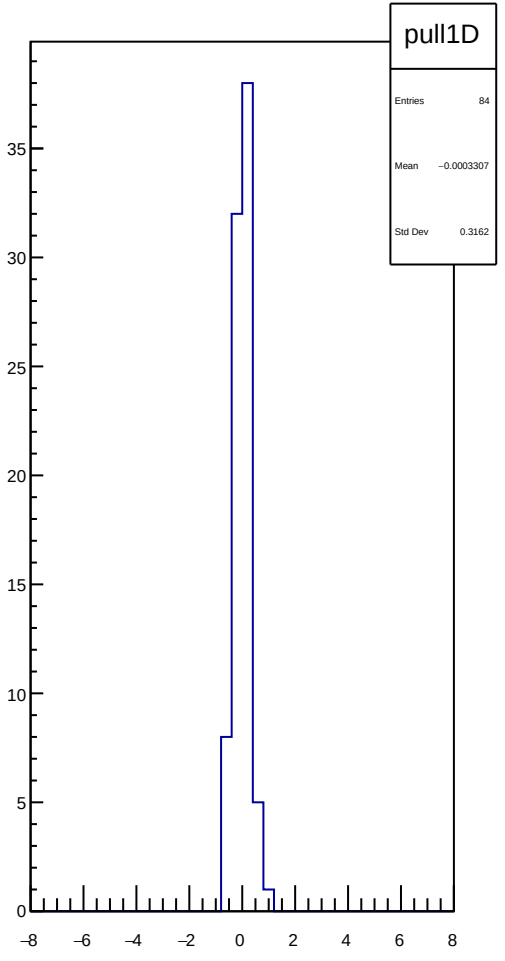

pull1D
Entries 84
Mean 0.01045
Std Dev 0.413

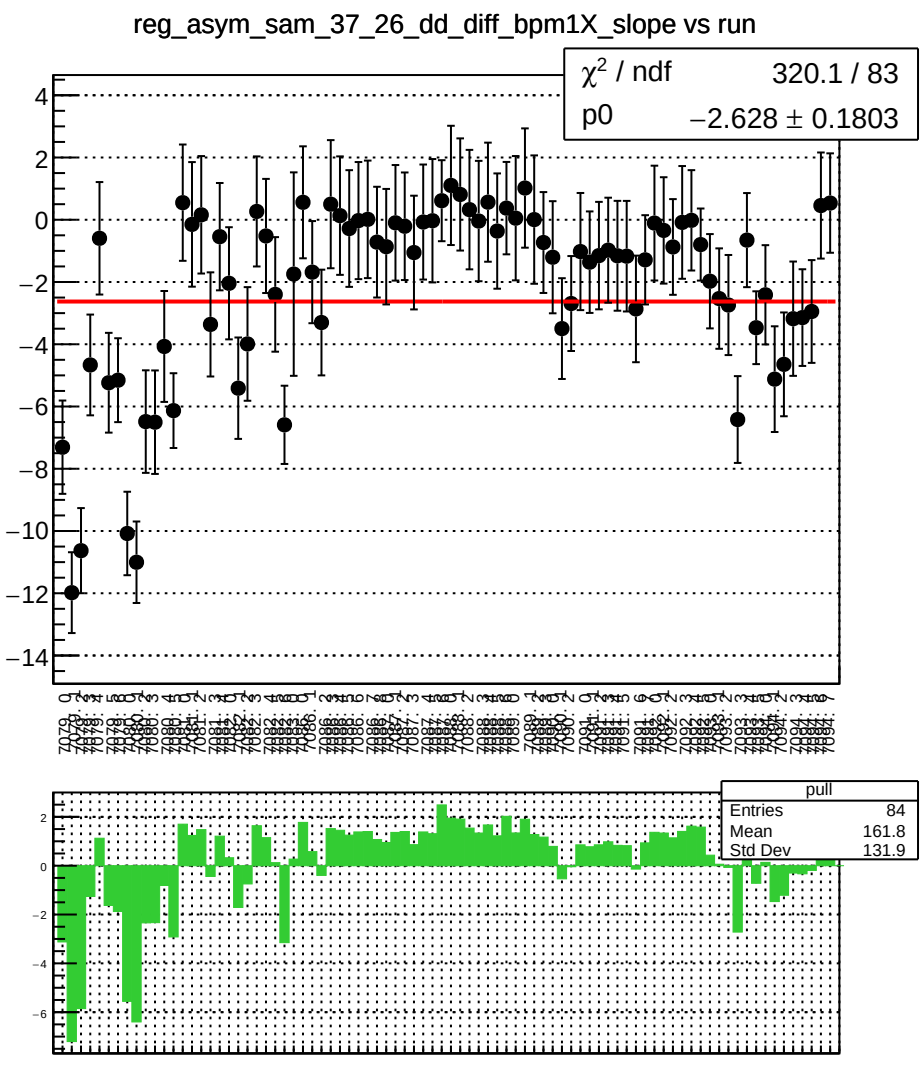

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.97 / 83
p0 −5.057 ± 0.3141
pull
Entries 84
Mean 322.3
Std Dev 263.5
pull1D
Entries 84
Mean 0.01086
Std Dev 0.3774

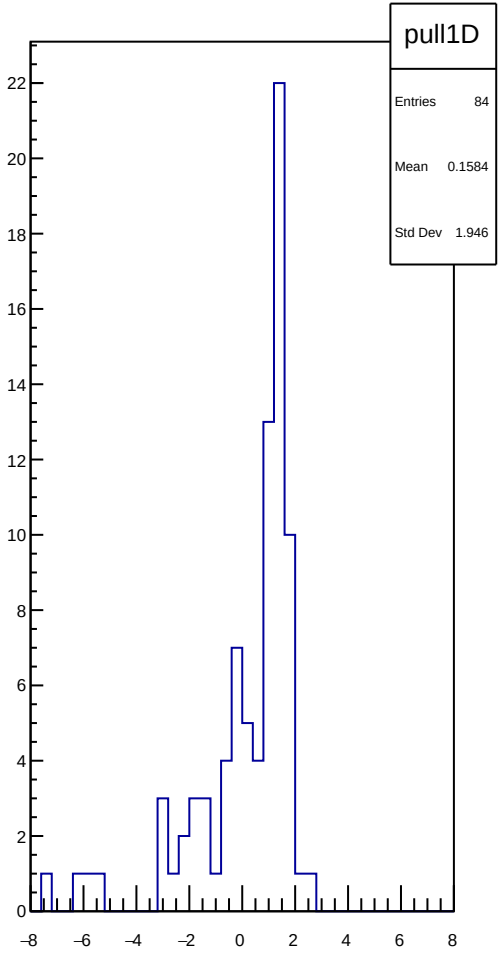

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.17 / 83
p0 29.69 ± 0.3999
pull
Entries 84
Mean 539.4
Std Dev 509
pull1D
Entries 84
Mean −0.01159
Std Dev 0.5136

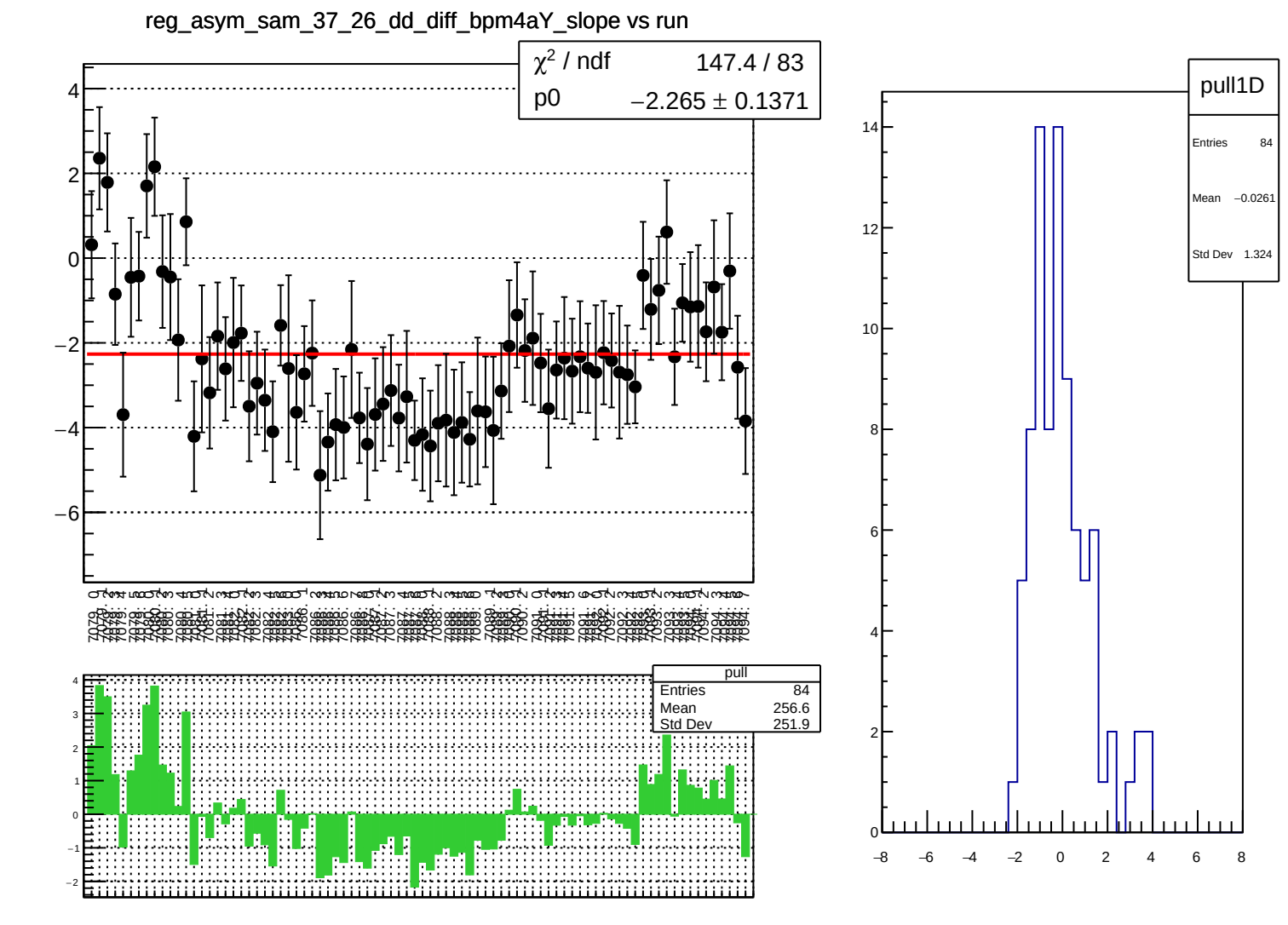

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.29 / 83
p0 48.89 ± 0.3305
pull
Entries 84
Mean 6840
Std Dev 6791
pull1D
Entries 84
Mean −0.0008333
Std Dev 0.4537

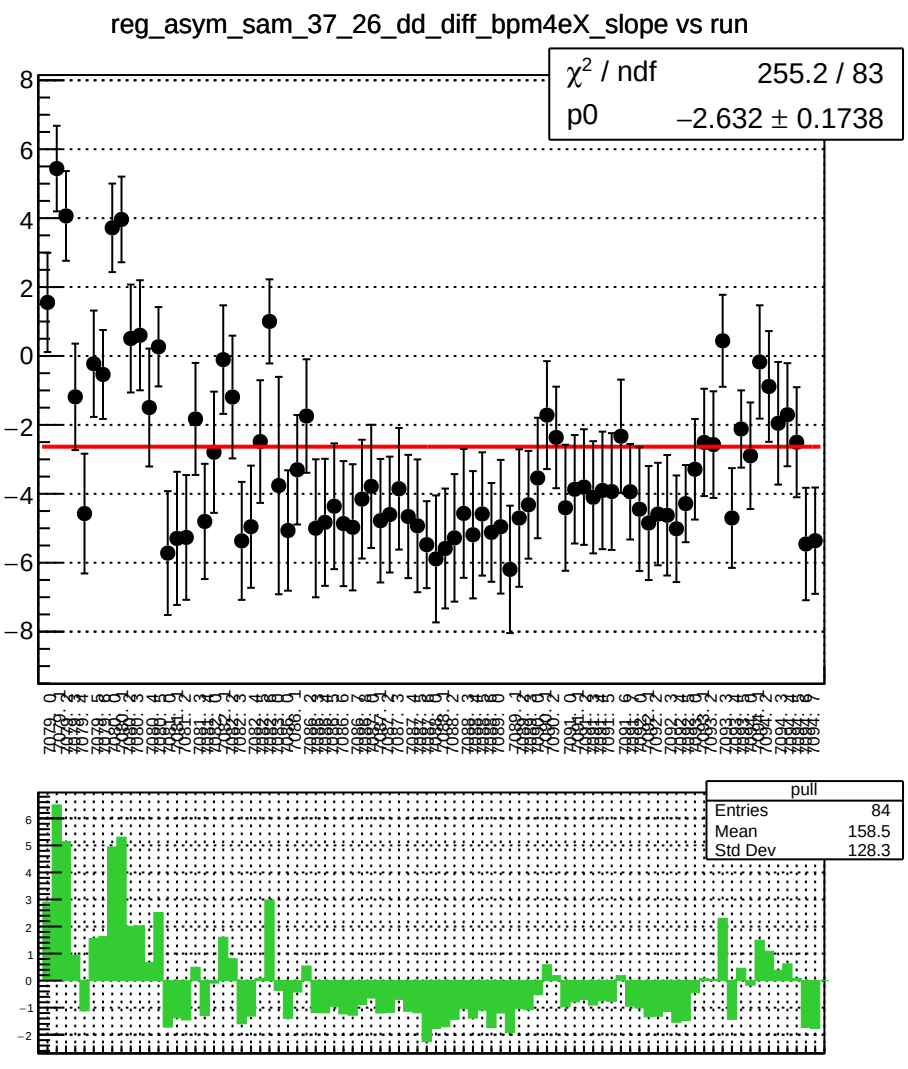

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 8.398 / 83
p0 −0.3432 ± 0.0158
pull
Entries 84
Mean 2187
Std Dev 2124

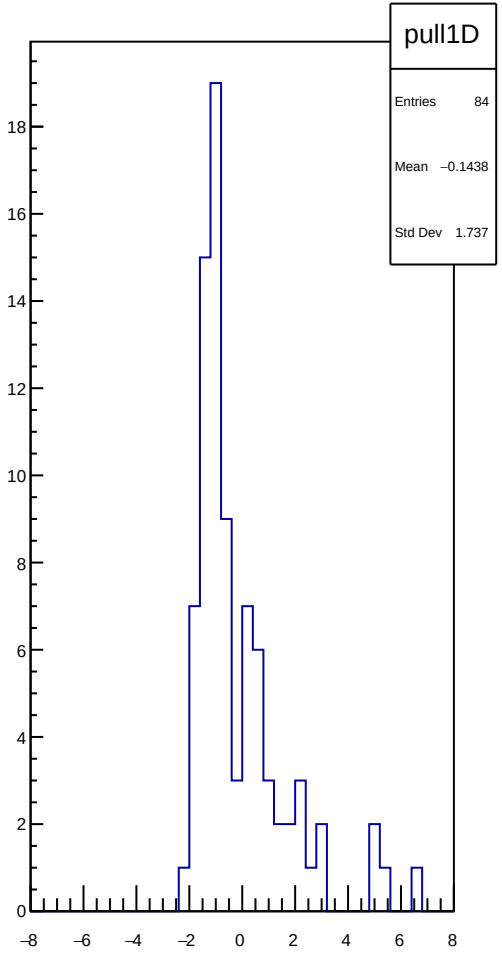

pull1D
Entries 84
Mean −0.0003307
Std Dev 0.3162

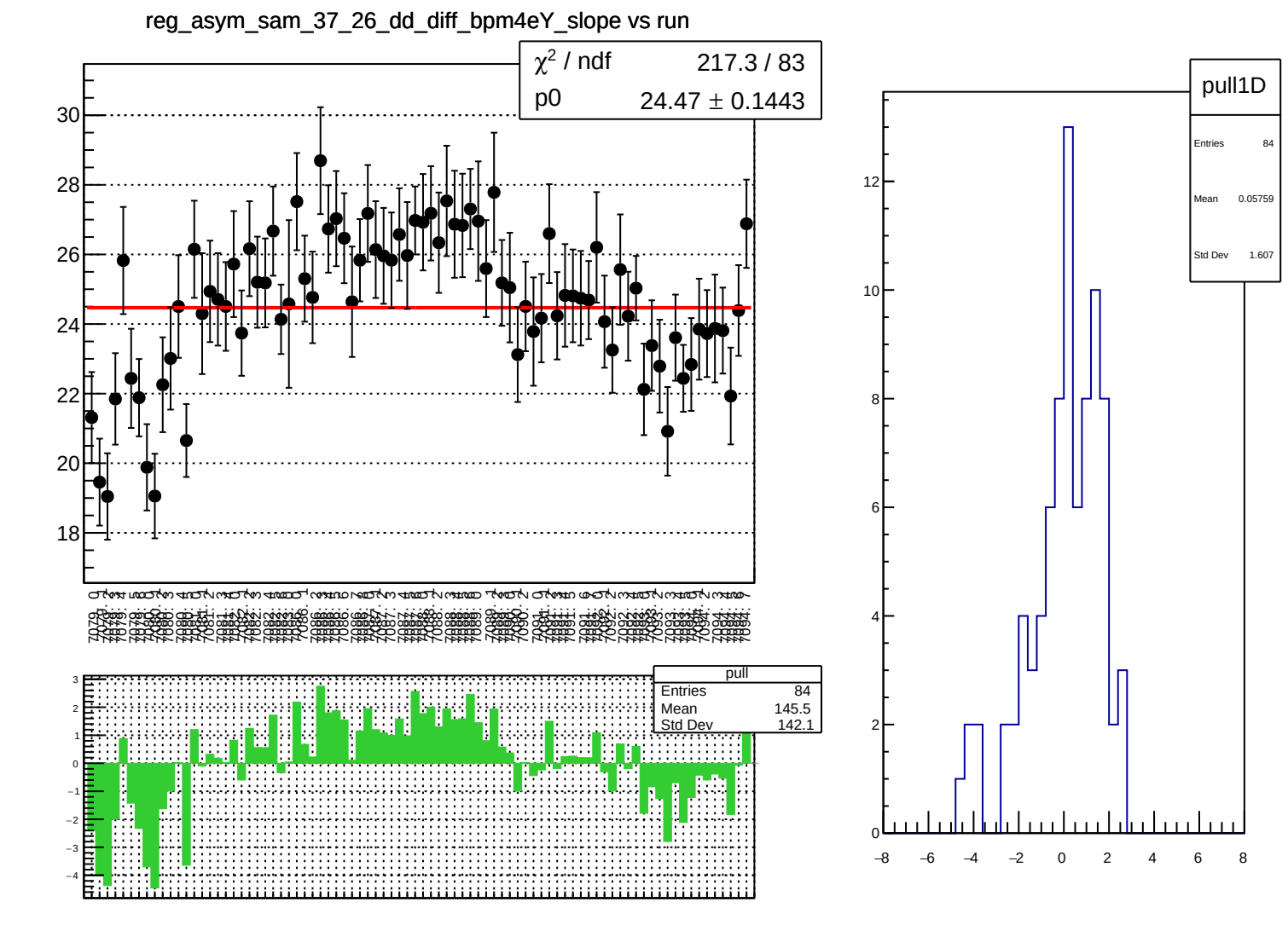

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 320.1 / 83
p0 −2.628 ± 0.1803
pull
Entries 84
Mean 161.8
Std Dev 131.9

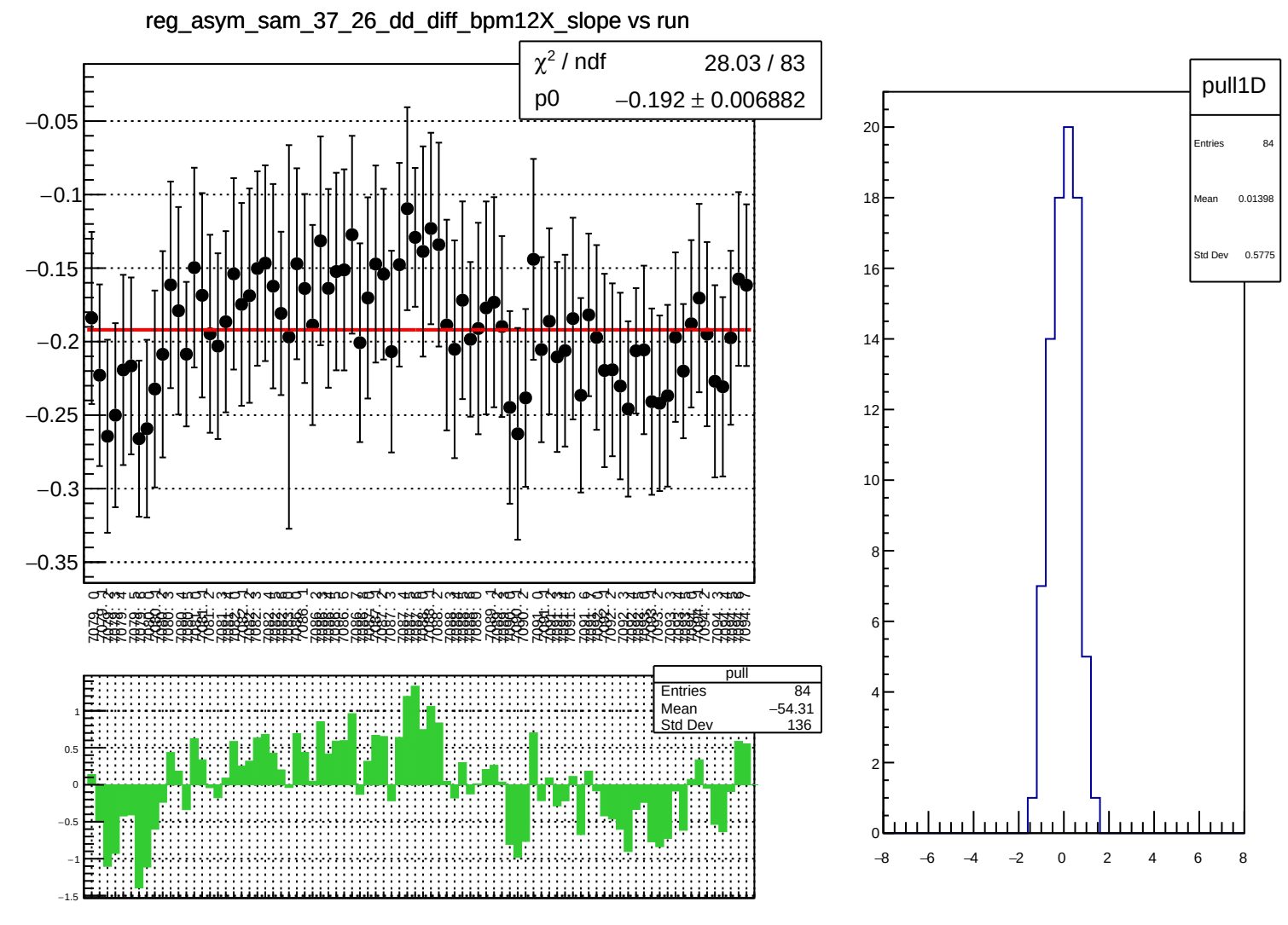

pull1D
Entries 84
Mean 0.1584
Std Dev 1.946

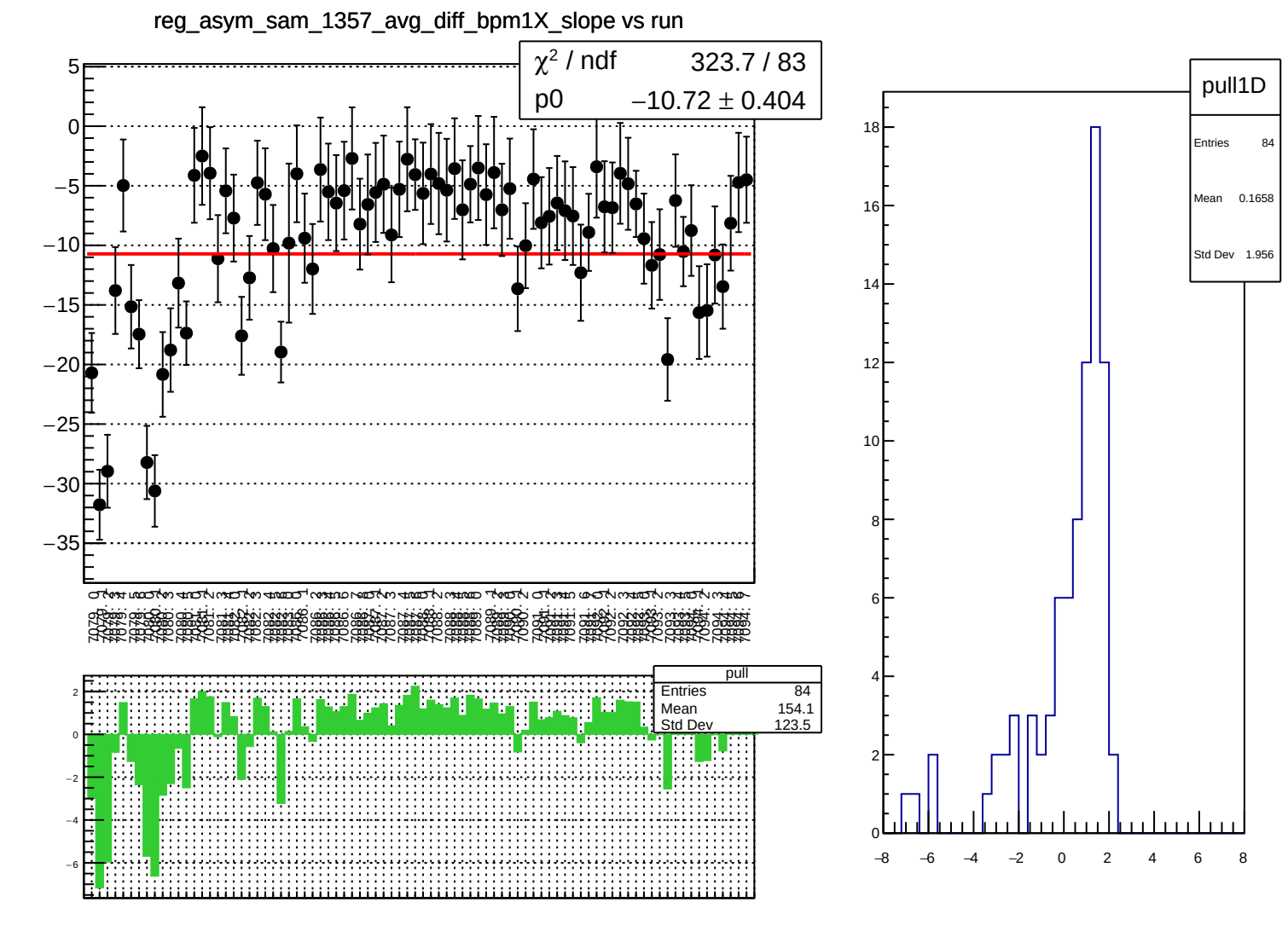

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 147.4 / 83
p0 −2.265 ± 0.1371
pull
Entries 84
Mean 256.6
Std Dev 251.9
pull1D
Entries 84
Mean −0.0261
Std Dev 1.324

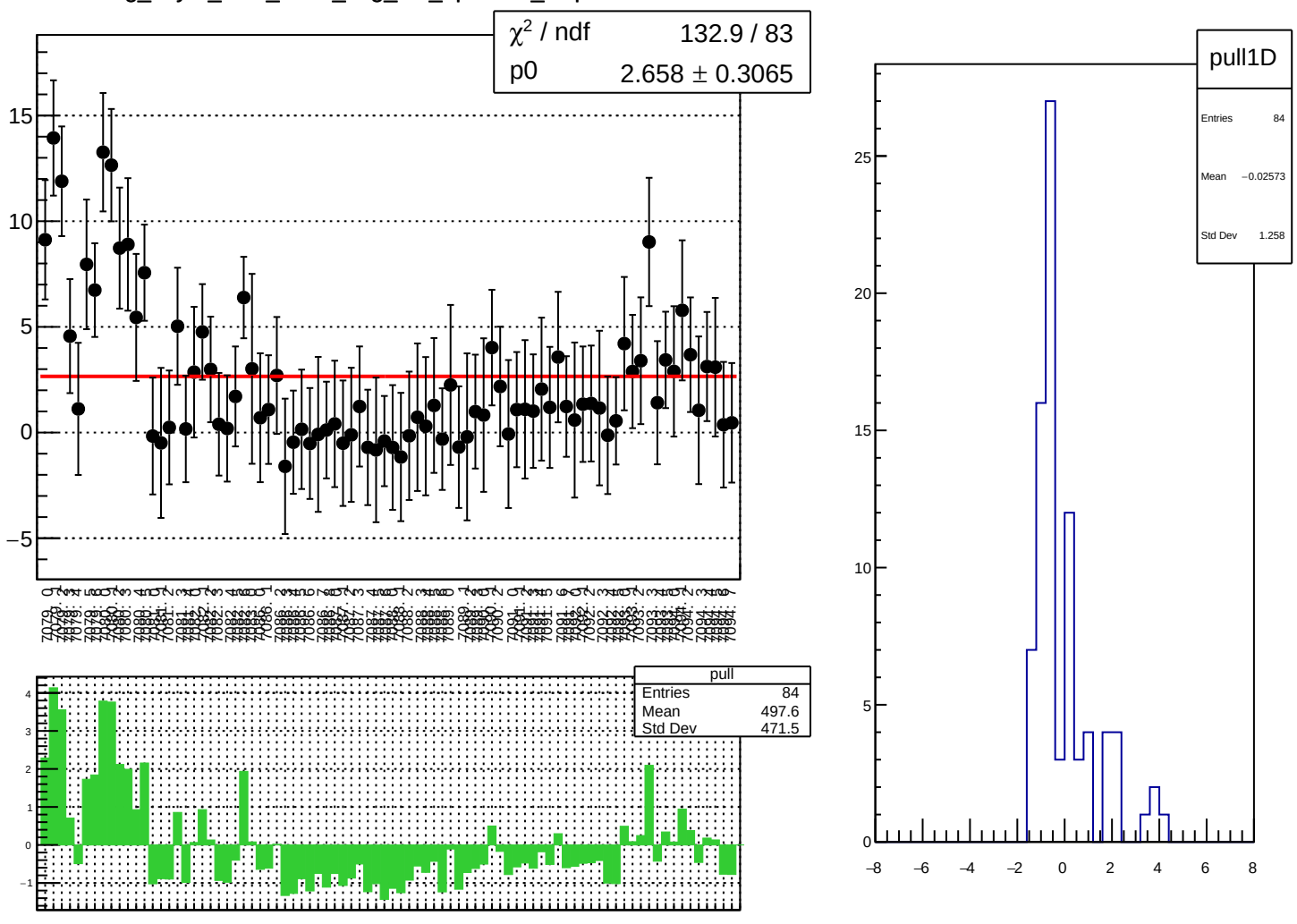

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 255.2 / 83
p0 −2.632 ± 0.1738
pull
Entries 84
Mean 158.5
Std Dev 128.3

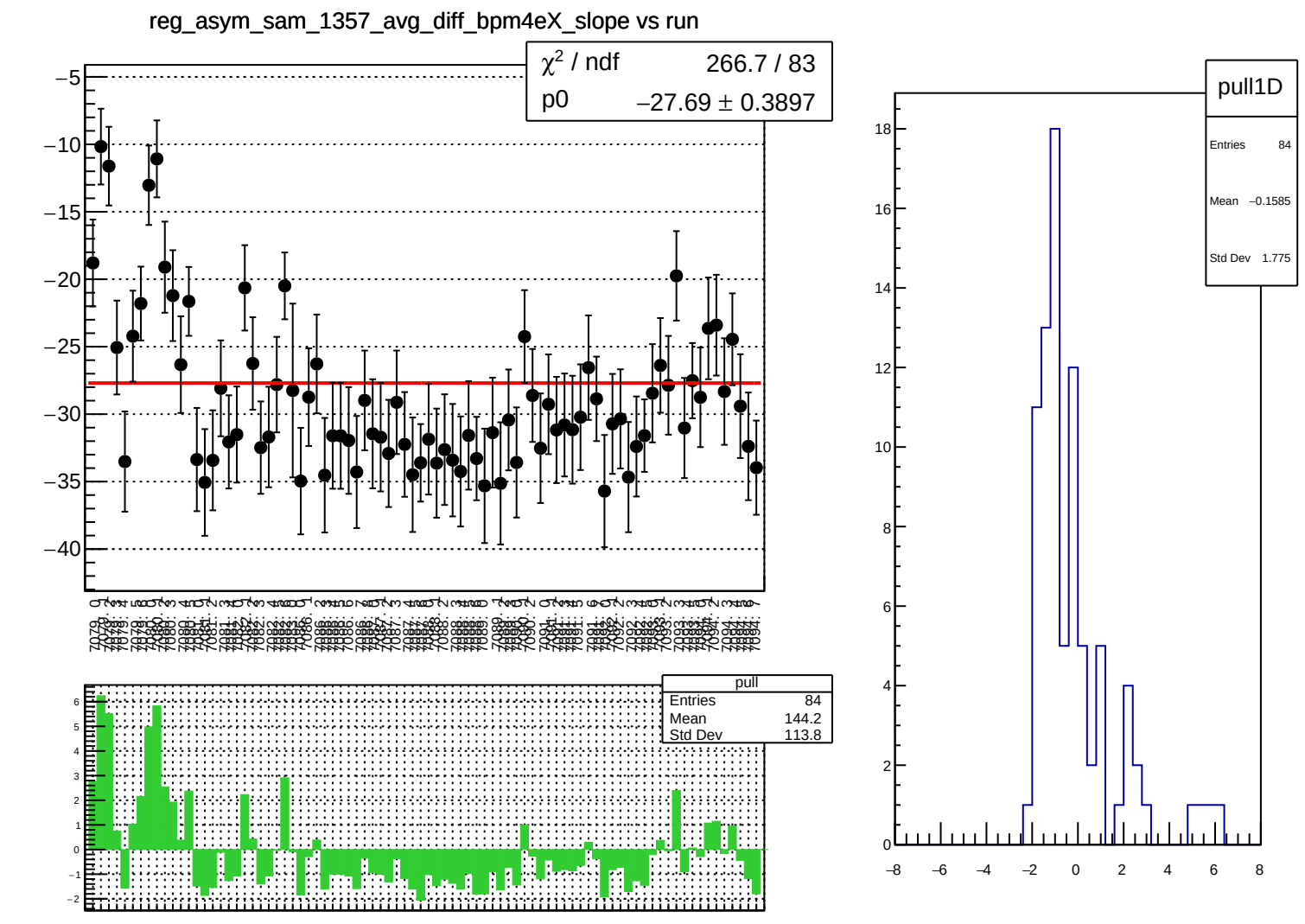

pull1D
Entries 84
Mean −0.1438
Std Dev 1.737

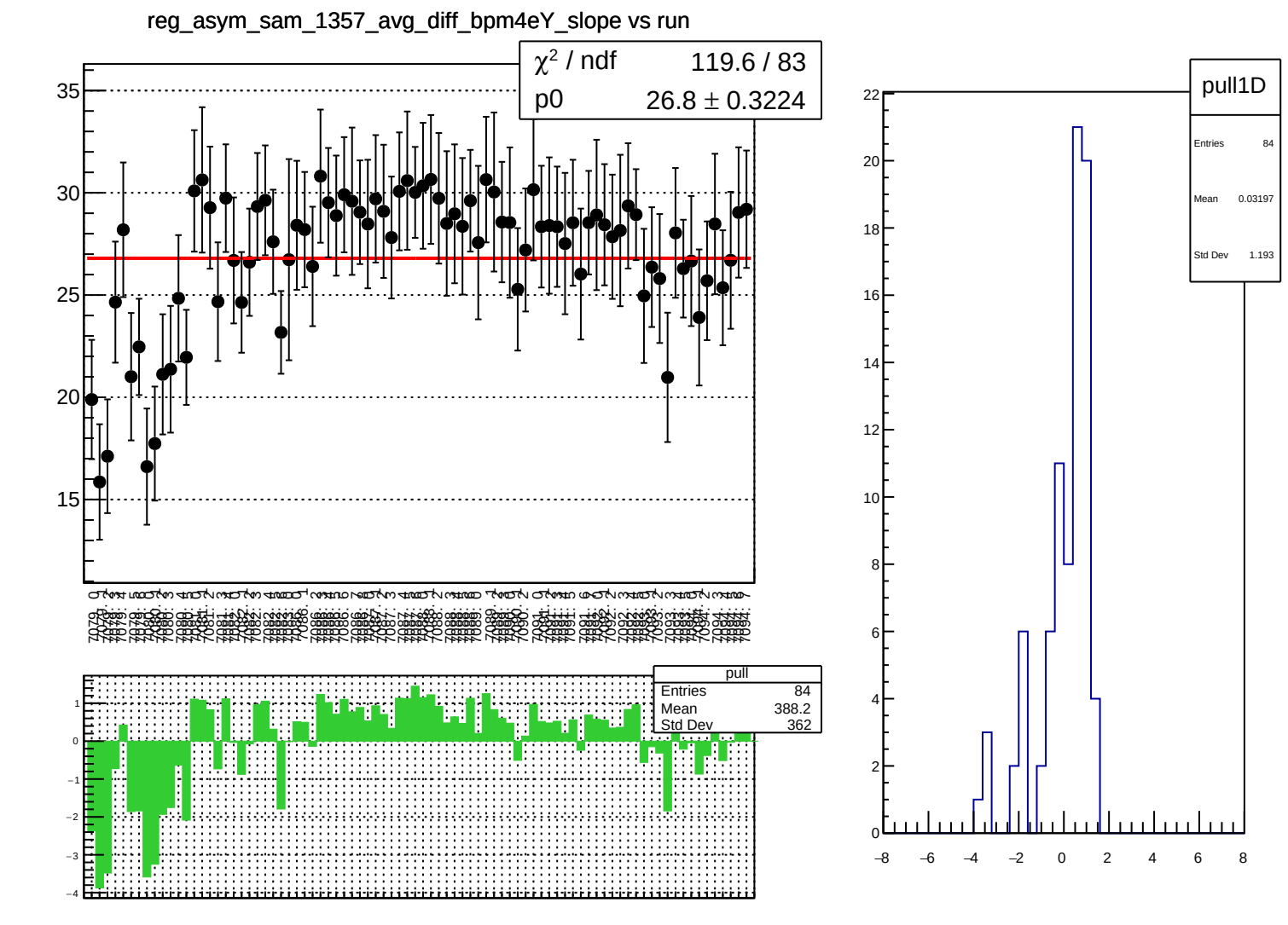

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 217.3 / 83
p0 24.47 ± 0.1443
pull
Entries 84
Mean 145.5
Std Dev 142.1
pull1D
Entries 84
Mean 0.05759
Std Dev 1.607

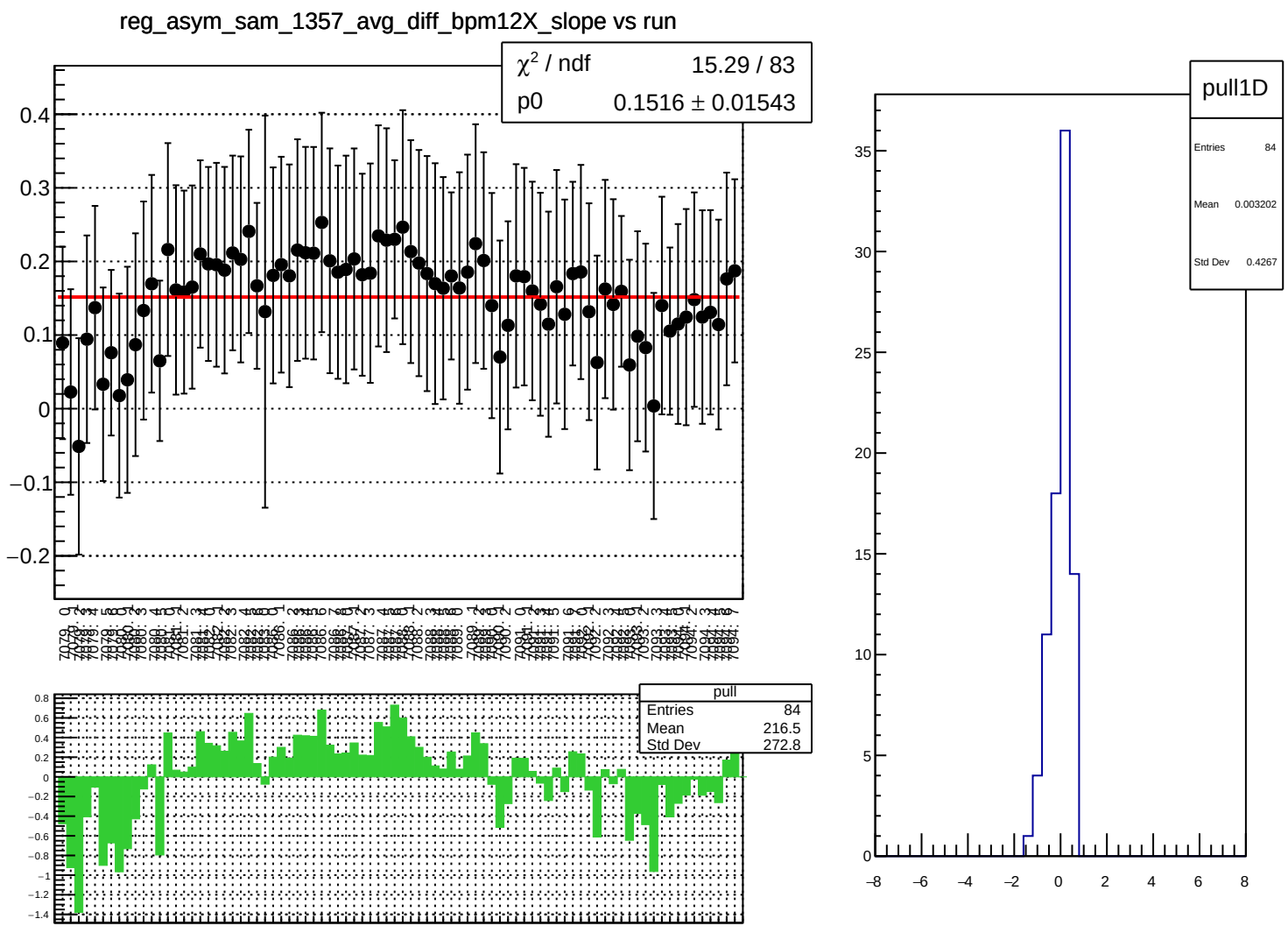

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 28.03 / 83
p0 −0.192 ± 0.006882
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull
Entries 84
Mean −54.31
Std Dev 136
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.01398
Std Dev 0.5775
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

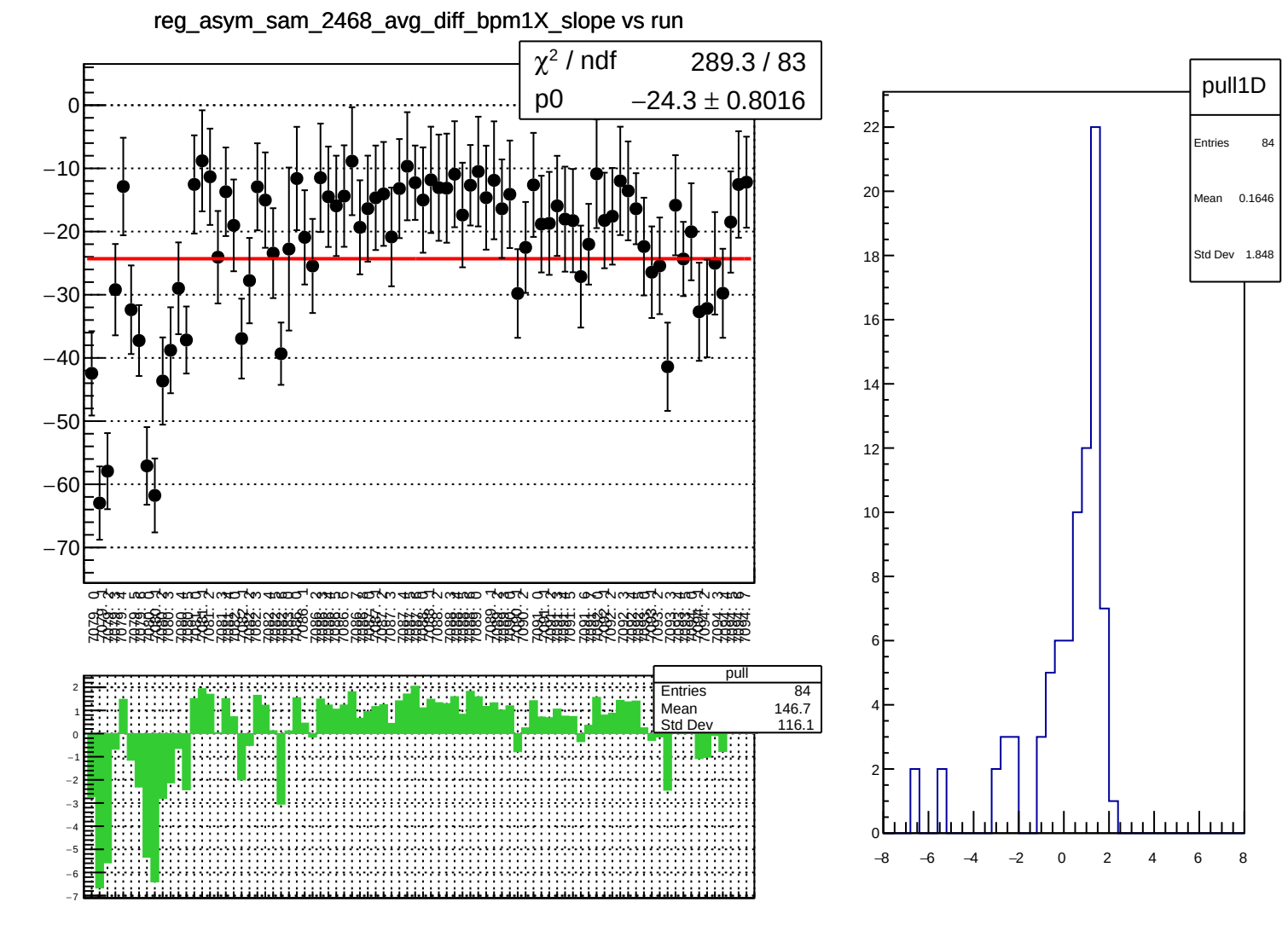

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 323.7 / 83
p0 −10.72 ± 0.404
pull
Entries 84
Mean 154.1
Std Dev 123.5
pull1D
Entries 84
Mean 0.1658
Std Dev 1.956

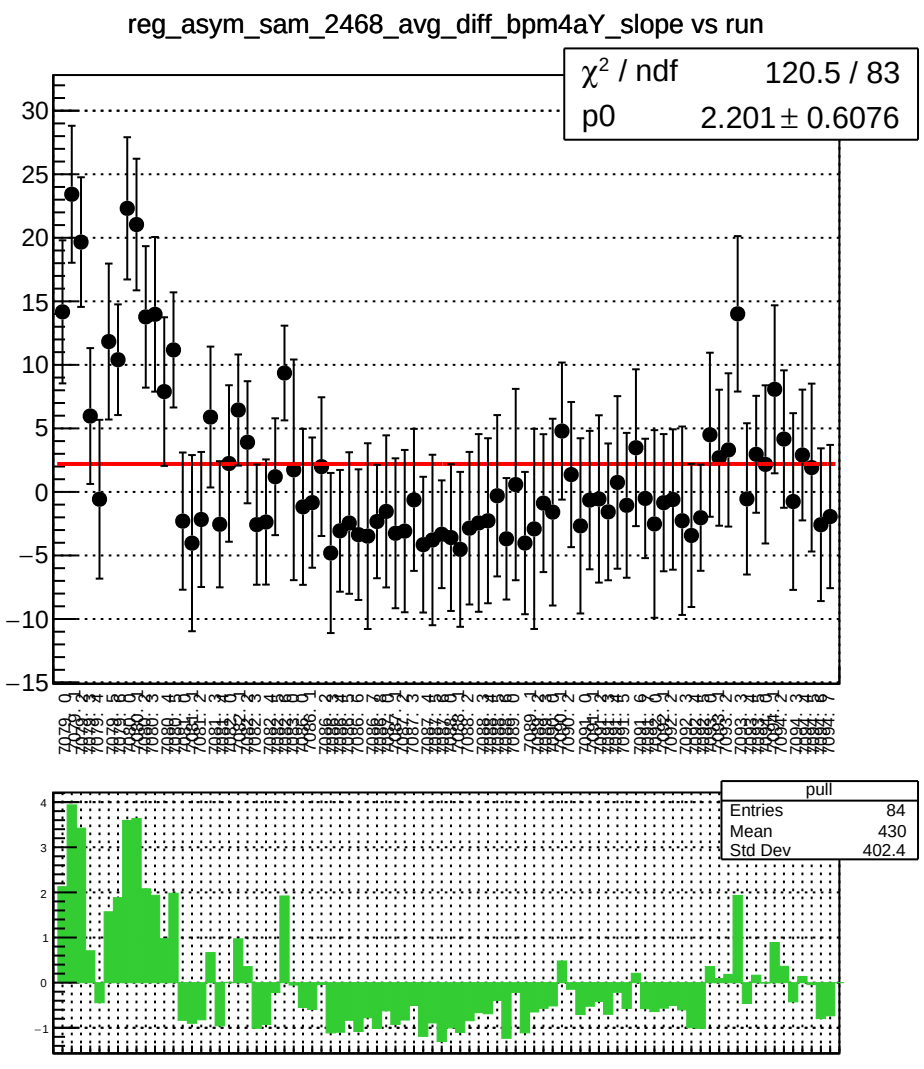

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 132.9 / 83
p0 2.658 ± 0.3065
pull
Entries 84
Mean 497.6
Std Dev 471.5
pull1D
Entries 84
Mean −0.02573
Std Dev 1.258

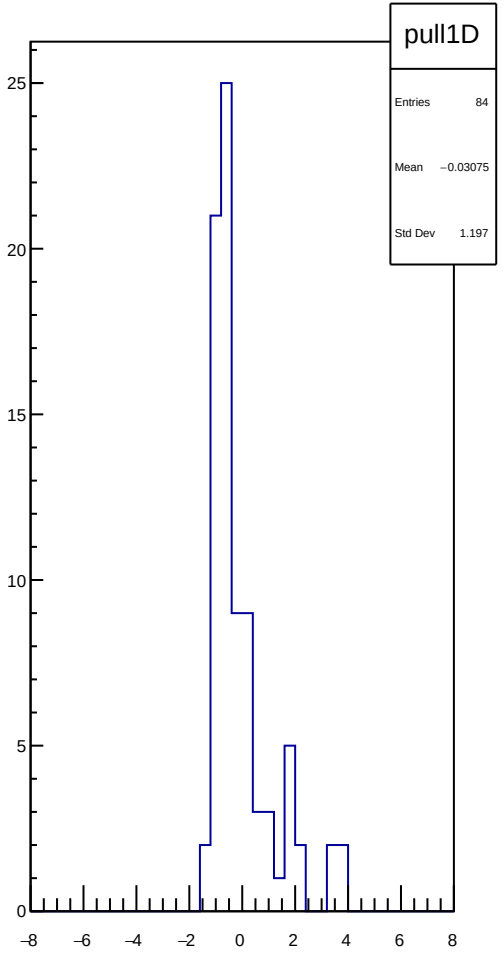

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 266.7 / 83
p0 −27.69 ± 0.3897
pull
Entries 84
Mean 144.2
Std Dev 113.8
pull1D
Entries 84
Mean −0.1585
Std Dev 1.775

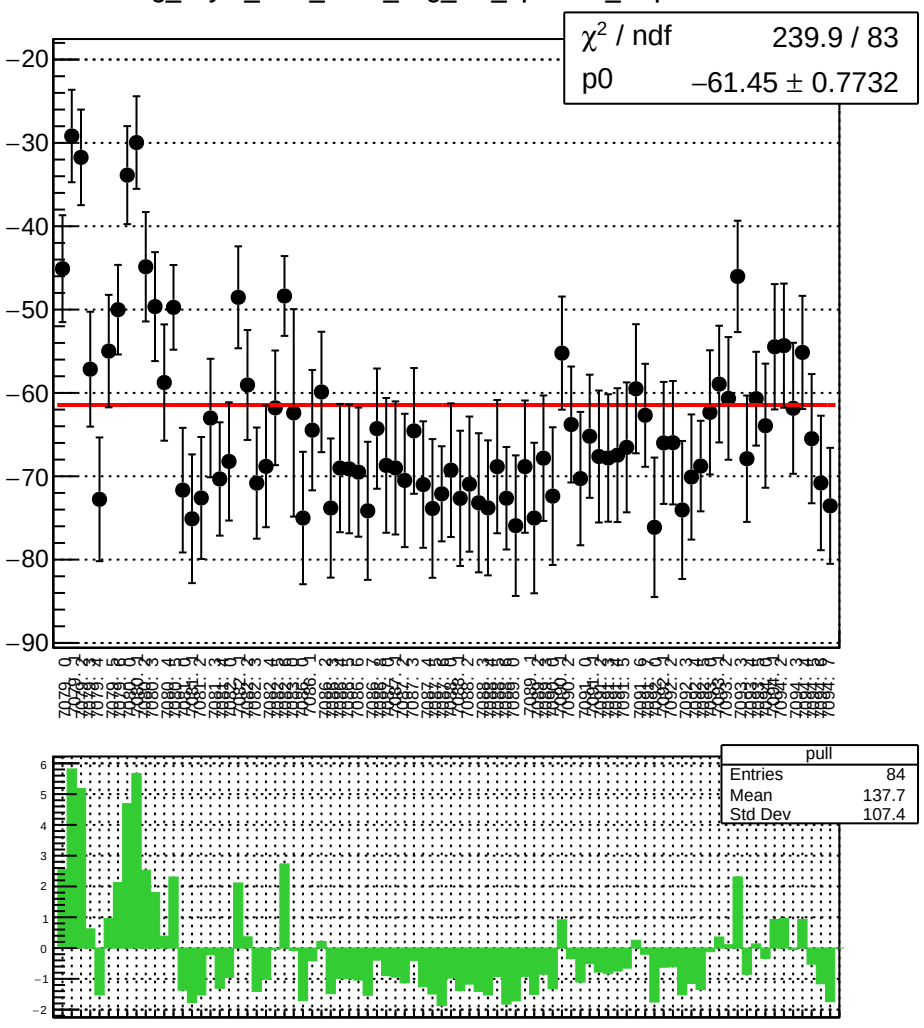

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 119.6 / 83
p0 26.8 ± 0.3224
pull
Entries 84
Mean 388.2
Std Dev 362
pull1D
Entries 84
Mean 0.03197
Std Dev 1.193

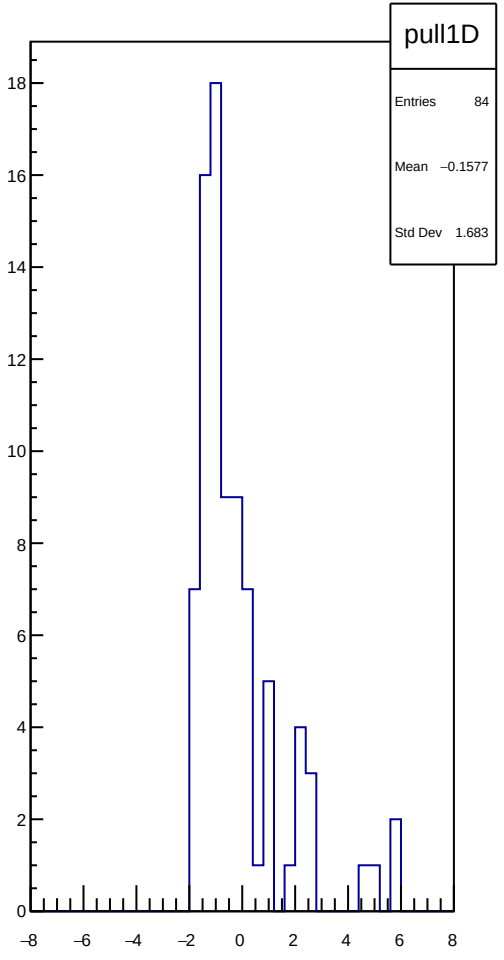

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 15.29 / 83
p0 0.1516 ± 0.01543
pull
Entries 84
Mean 216.5
Std Dev 272.8
pull1D
Entries 84
Mean 0.003202
Std Dev 0.4267

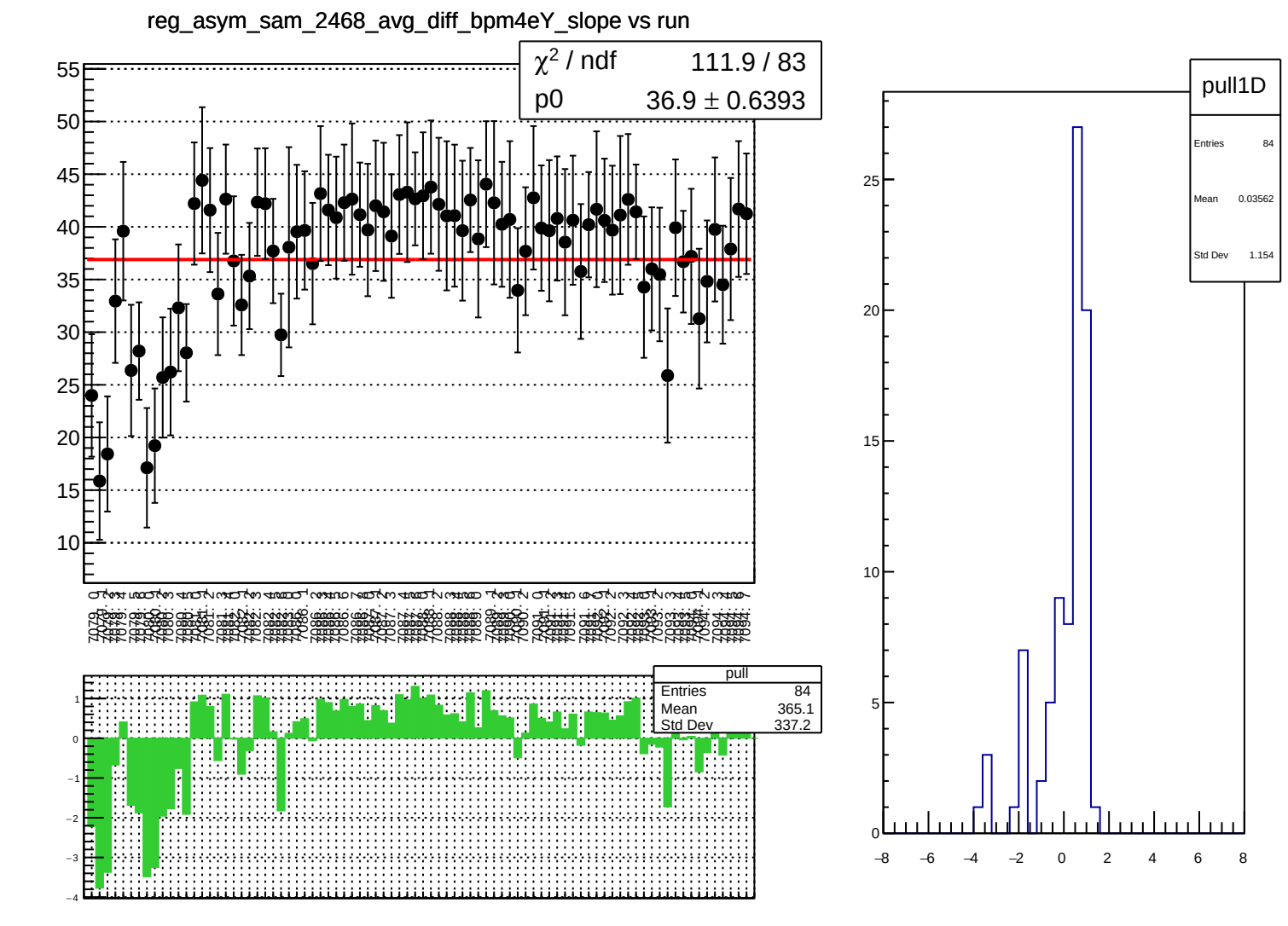

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 289.3 / 83
p0 −24.3 ± 0.8016
pull
Entries 84
Mean 146.7
Std Dev 116.1
pull1D
Entries 84
Mean 0.1646
Std Dev 1.848

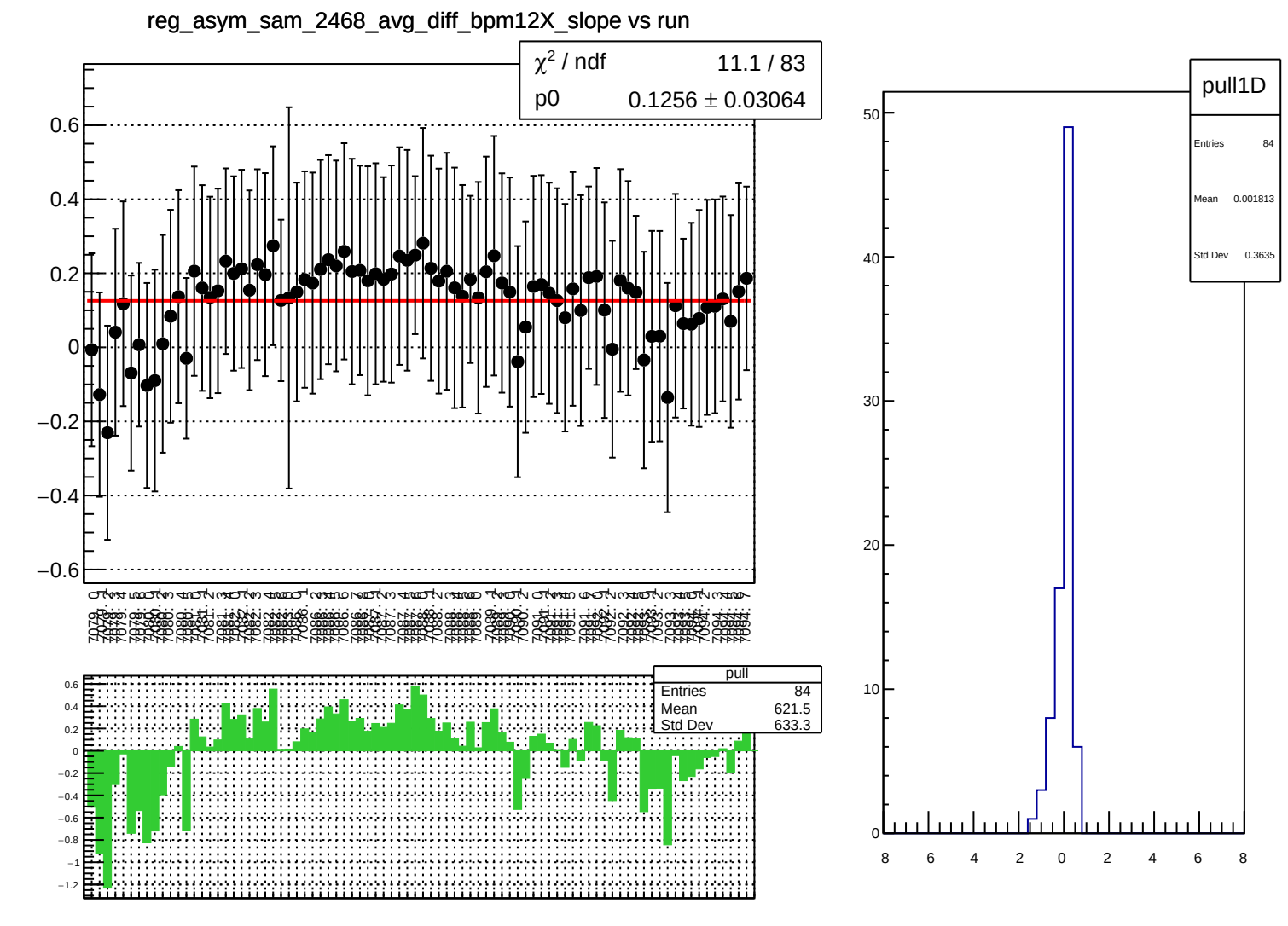

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 120.5 / 83
p0 2.201 ± 0.6076
pull
Entries 84
Mean 430
Std Dev 402.4

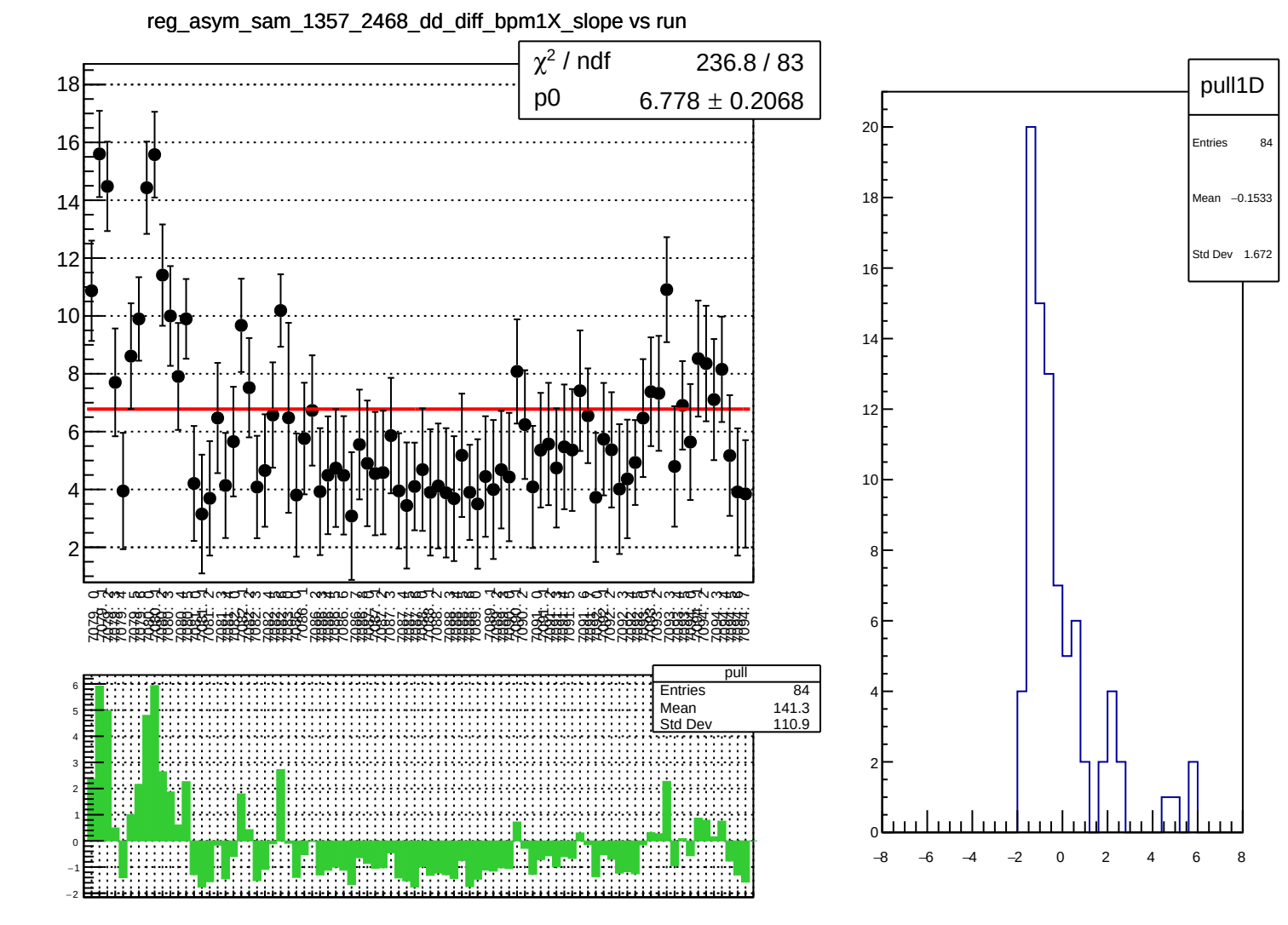

pull1D
Entries 84
Mean −0.03075
Std Dev 1.197

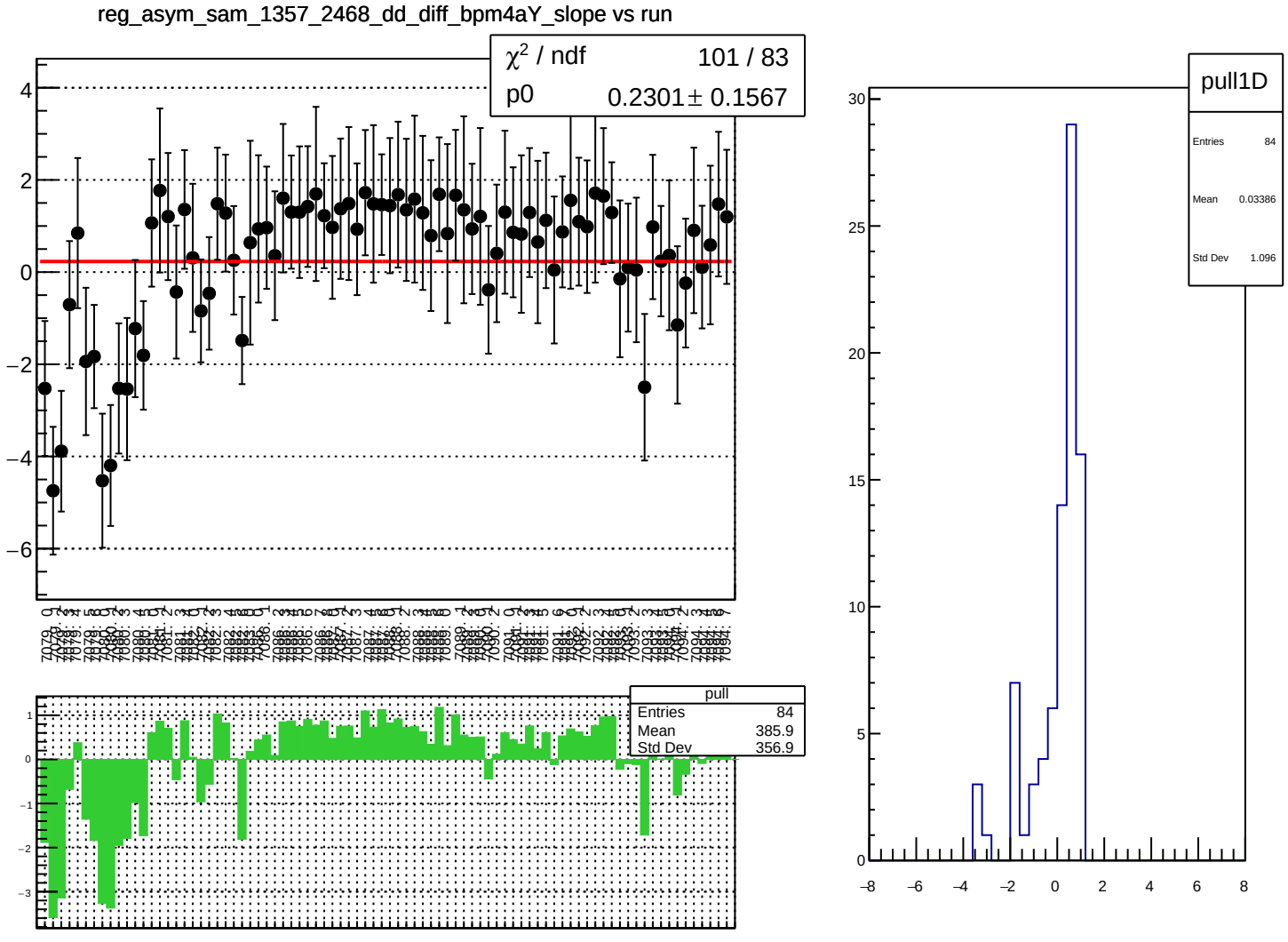

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 239.9 / 83
p0 −61.45 ± 0.7732
pull
Entries 84
Mean 137.7
Std Dev 107.4

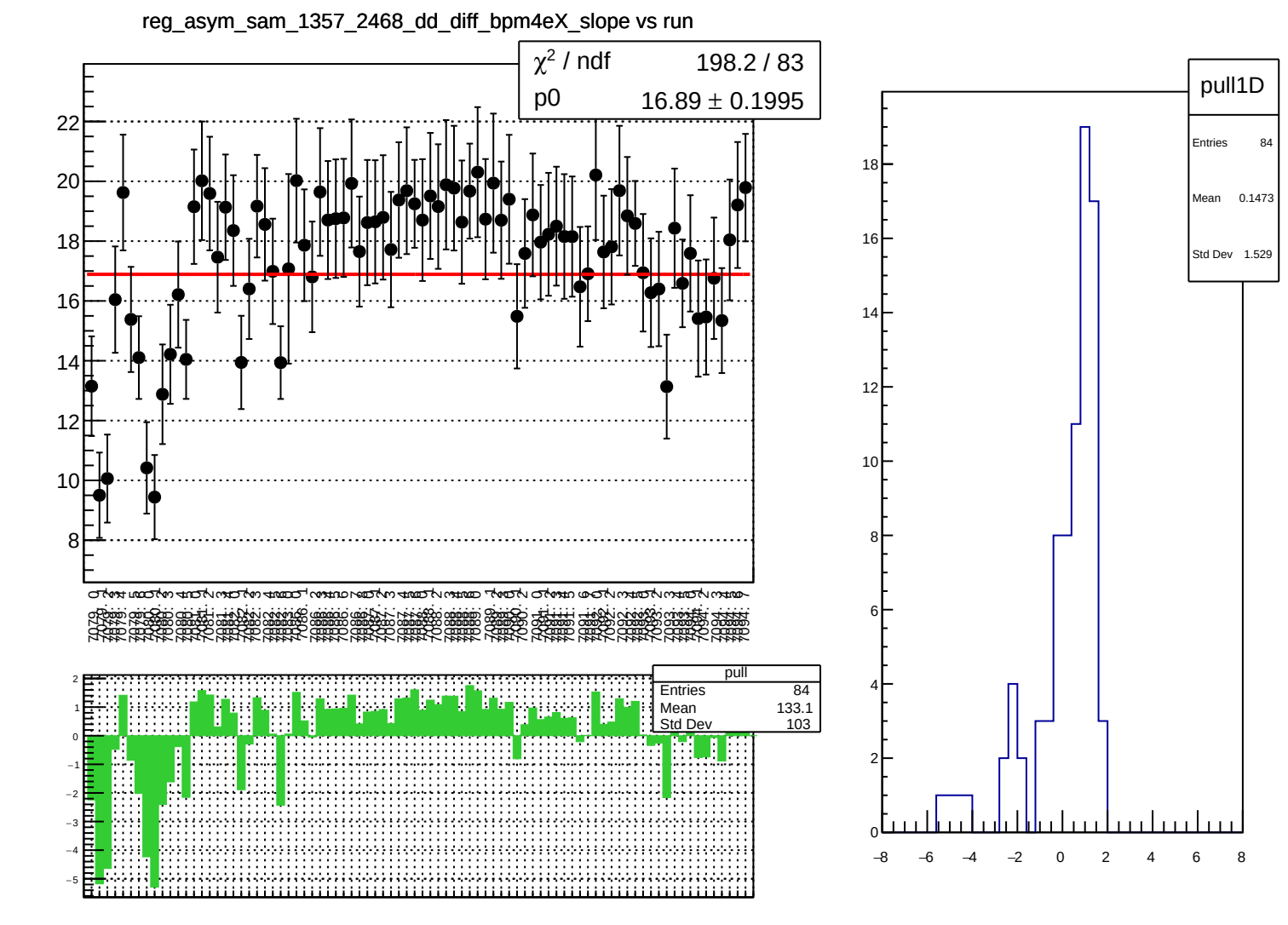

pull1D
Entries 84
Mean −0.1577
Std Dev 1.683

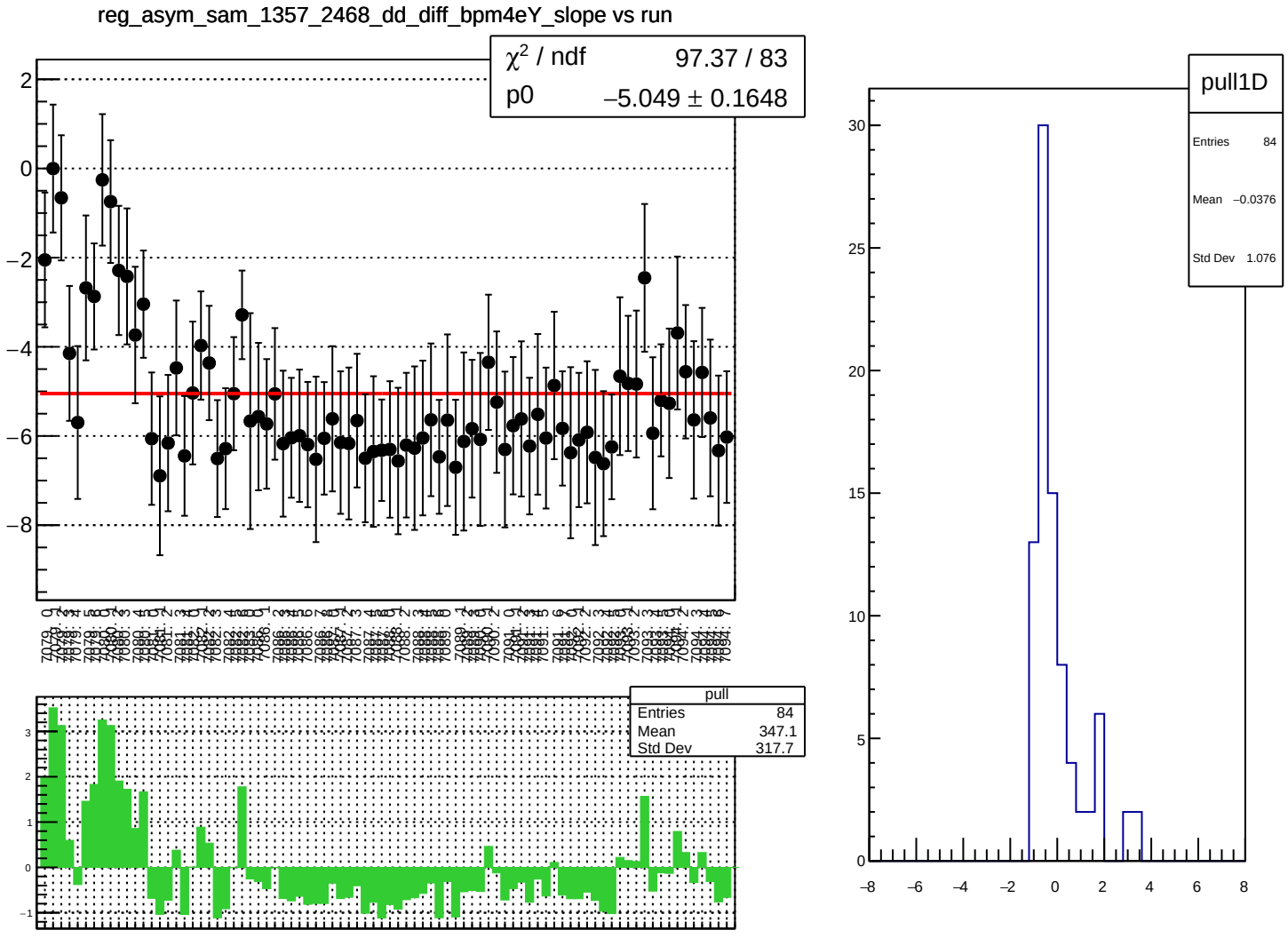

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 111.9 / 83
p0 36.9 ± 0.6393
pull
Entries 84
Mean 365.1
Std Dev 337.2
pull1D
Entries 84
Mean 0.03562
Std Dev 1.154

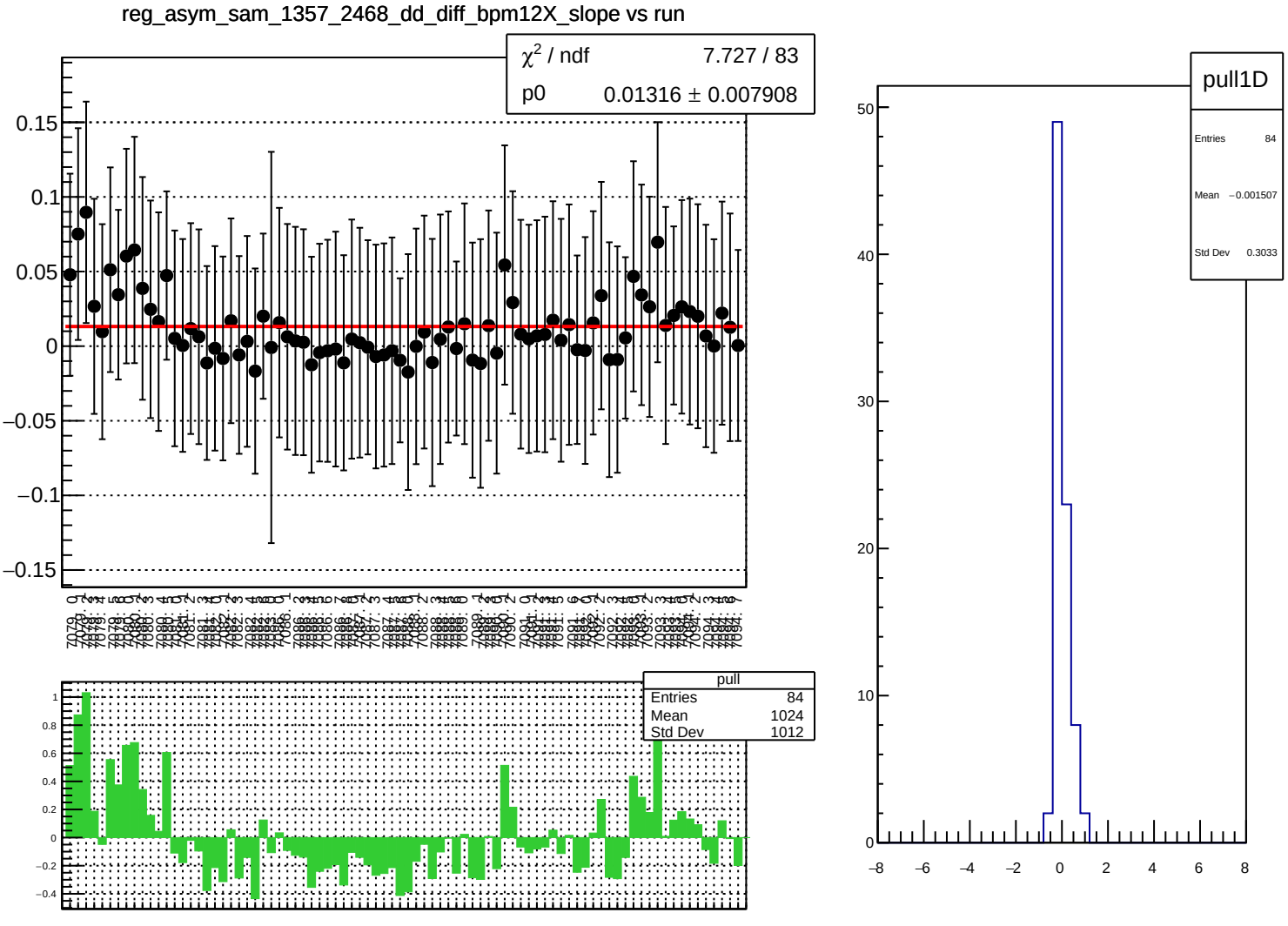

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 11.1 / 83
p0 0.1256 ± 0.03064
pull
Entries 84
Mean 621.5
Std Dev 633.3
pull1D
Entries 84
Mean 0.001813
Std Dev 0.3635

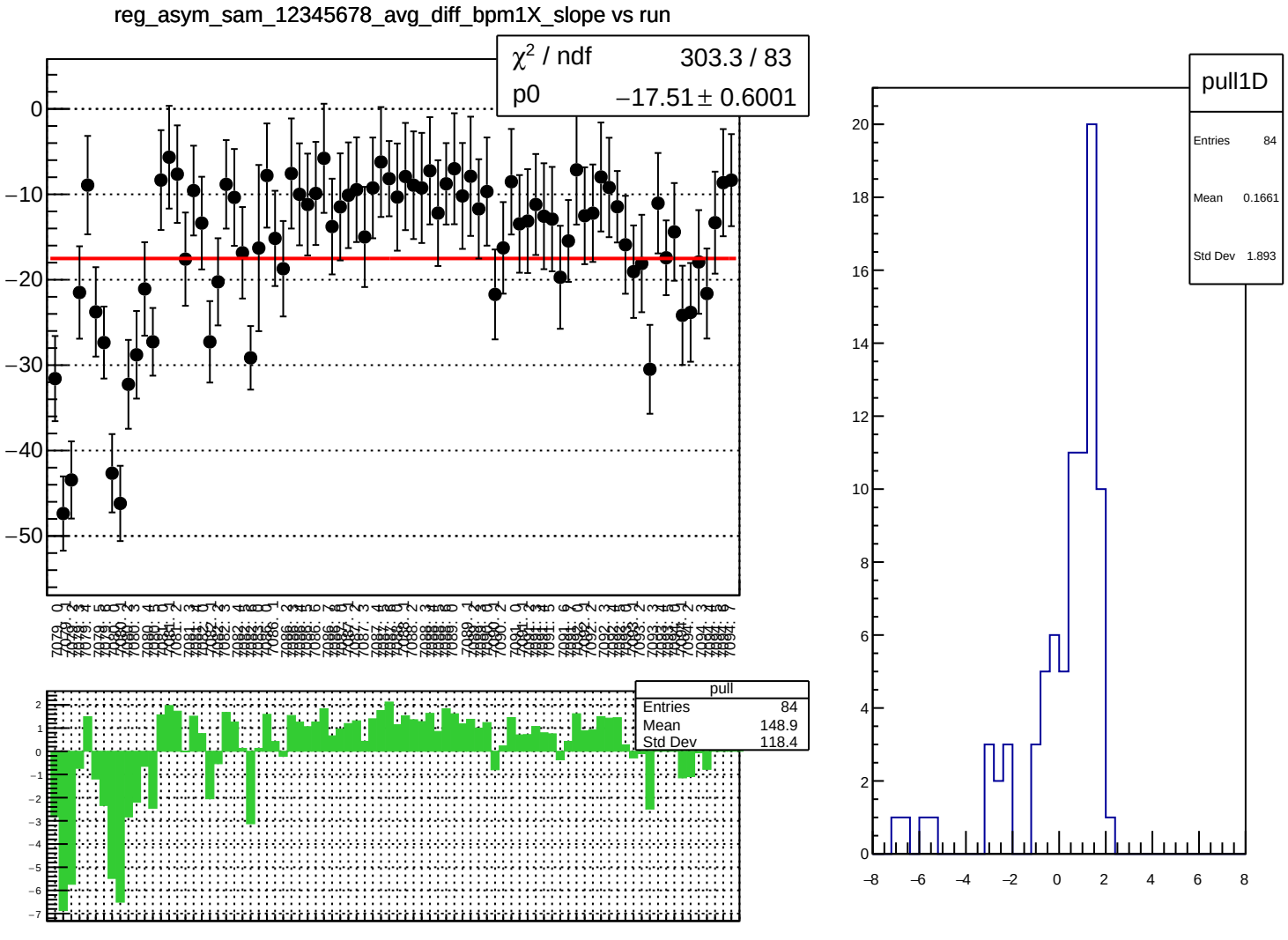

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 236.8 / 83
p0 6.778 ± 0.2068
pull
Entries 84
Mean 141.3
Std Dev 110.9
pull1D
Entries 84
Mean −0.1533
Std Dev 1.672

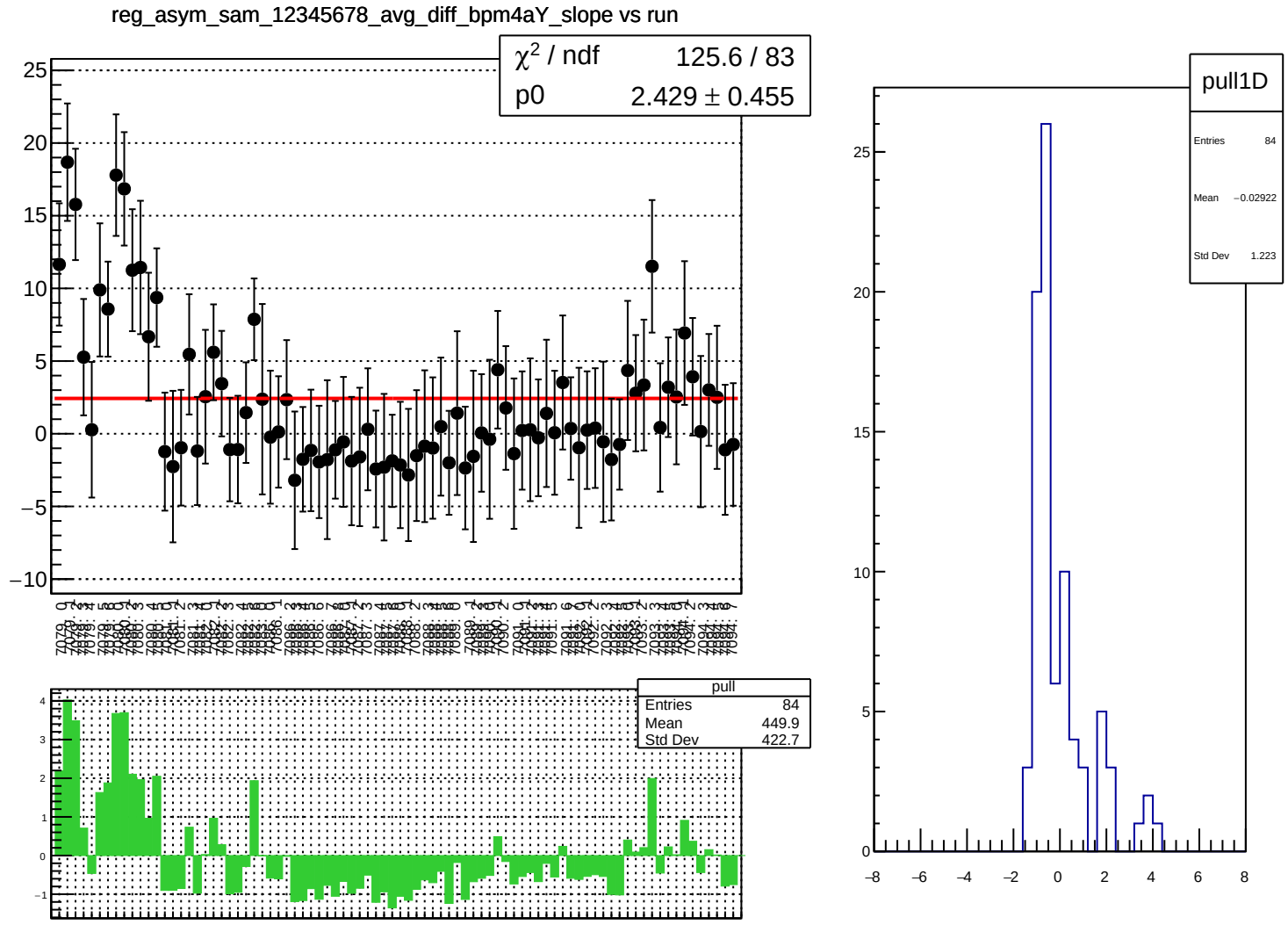

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 101 / 83
p0 0.2301 ± 0.1567
pull
Entries 84
Mean 385.9
Std Dev 356.9
pull1D
Entries 84
Mean 0.03386
Std Dev 1.096

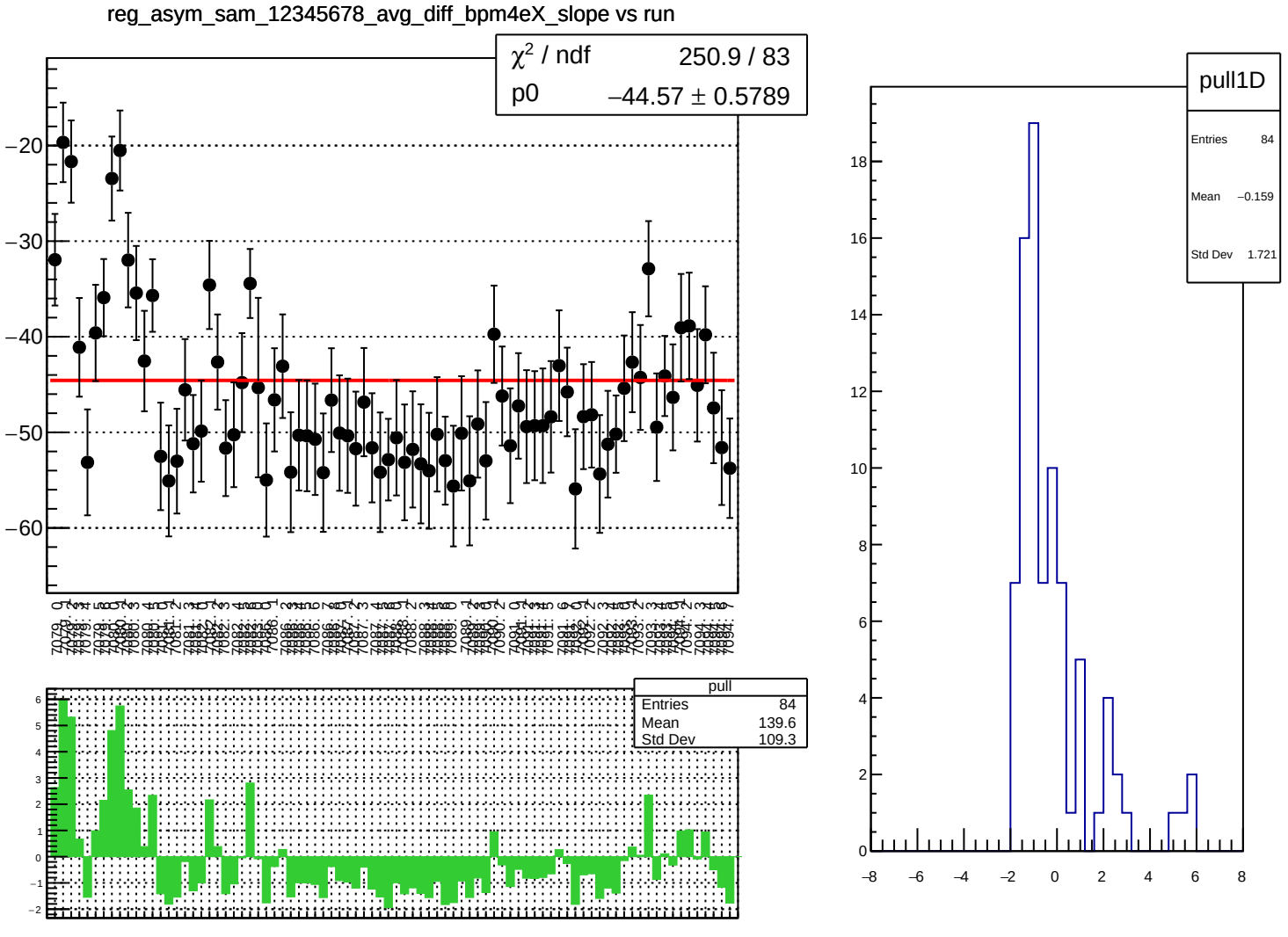

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 198.2 / 83
p0 16.89 ± 0.1995
pull
Entries 84
Mean 133.1
Std Dev 103
pull1D
Entries 84
Mean 0.1473
Std Dev 1.529

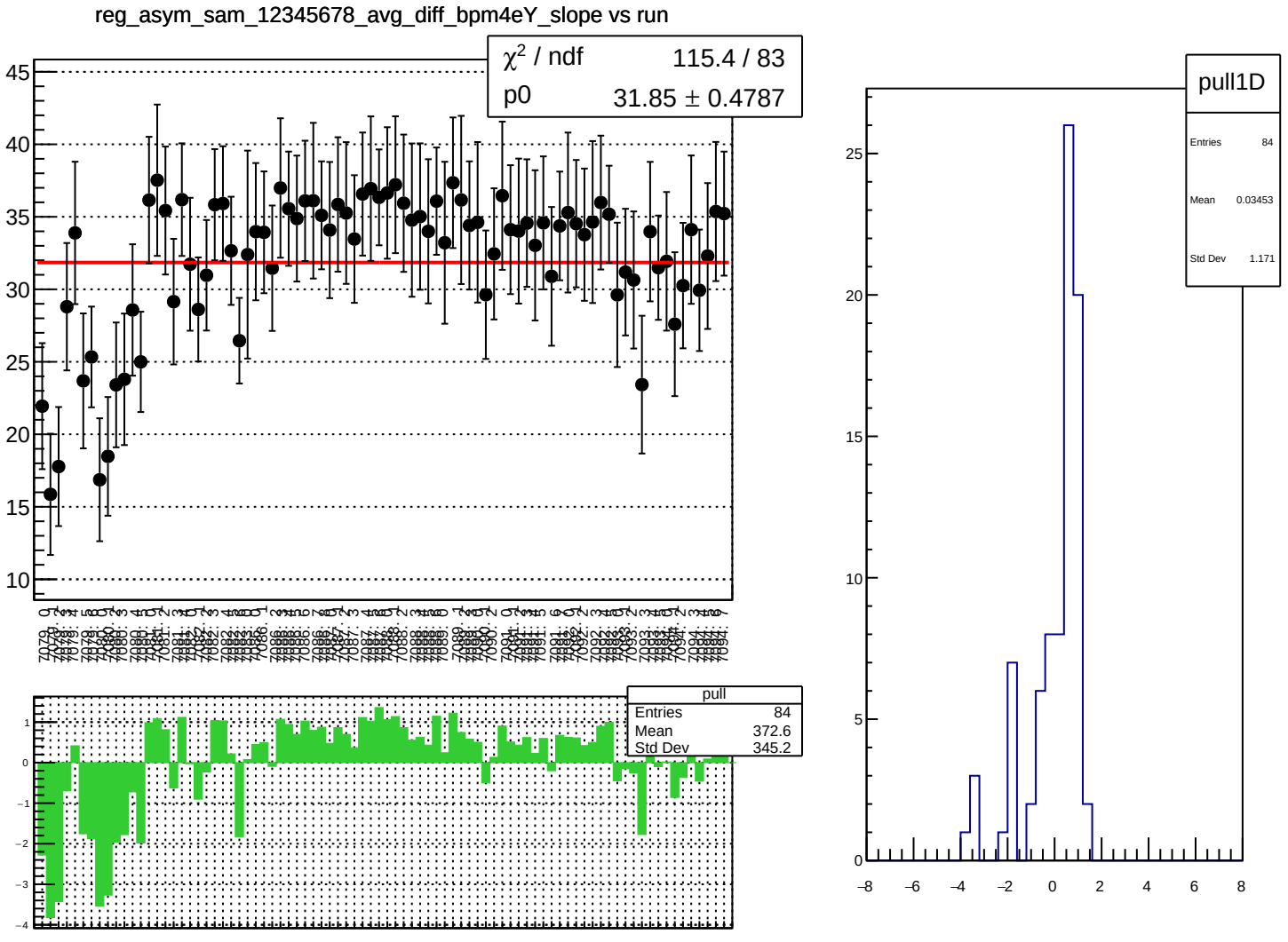

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 97.37 / 83
p0 −5.049 ± 0.1648
pull
Entries 84
Mean 347.1
Std Dev 317.7
pull1D
Entries 84
Mean −0.0376
Std Dev 1.076

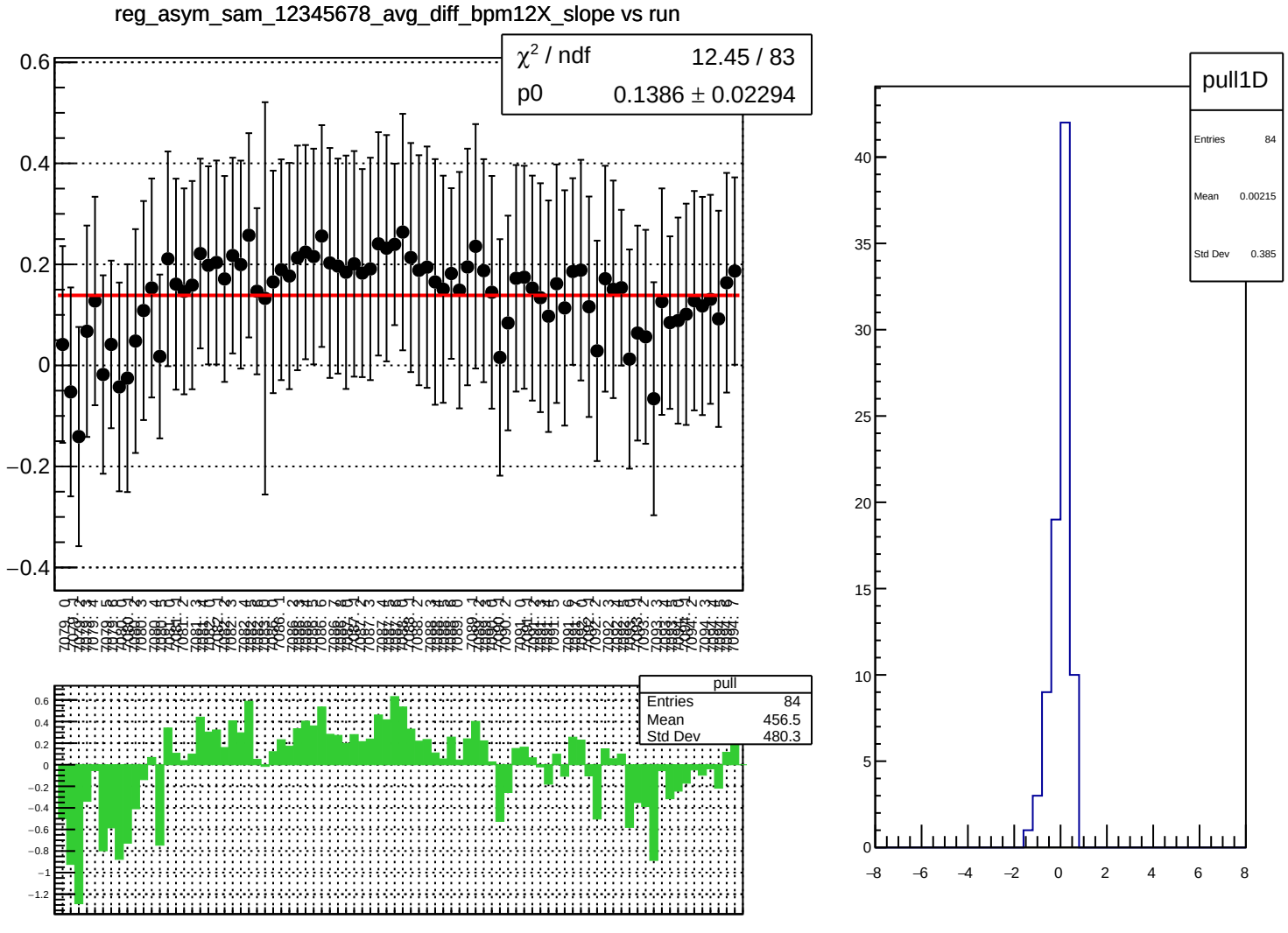

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 7.727 / 83
p0 0.01316 ± 0.007908
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
pull
Entries 84
Mean 1024
Std Dev 1012
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 84
Mean −0.001507
Std Dev 0.3033
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

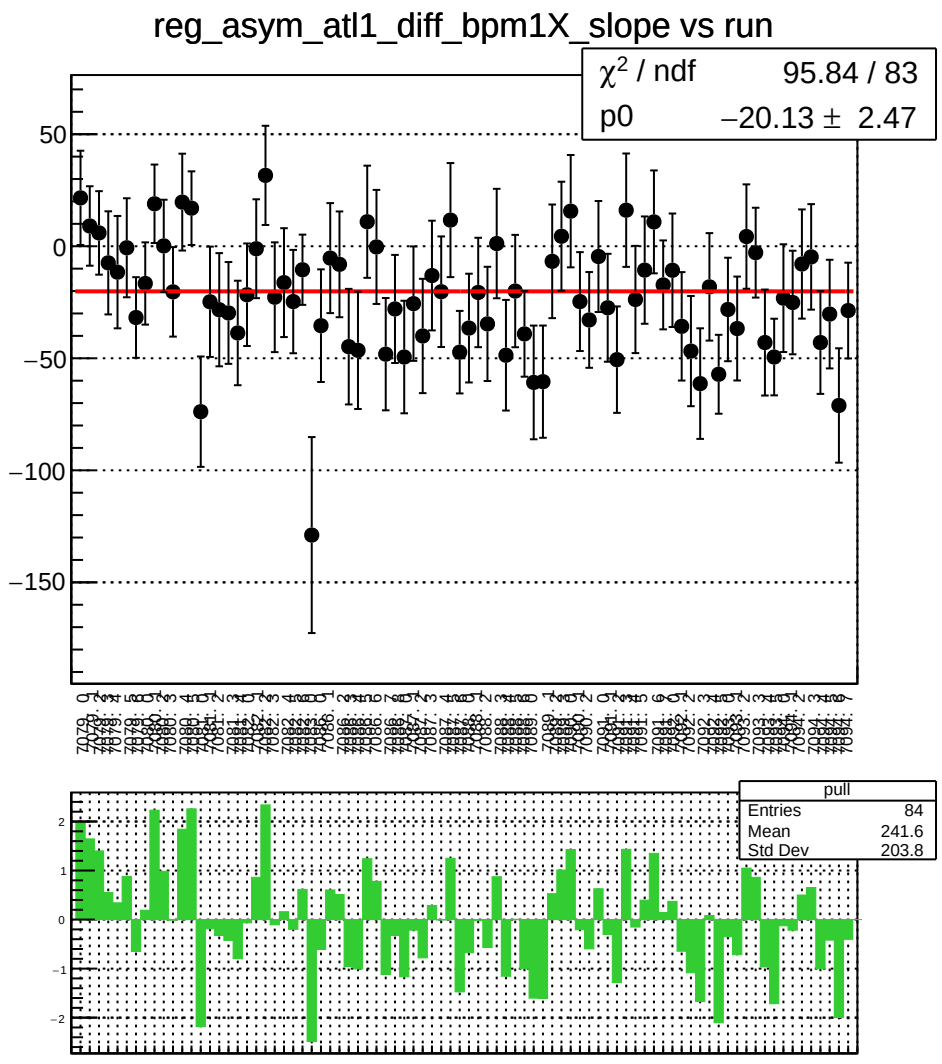

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 303.3 / 83
p0 −17.51 ± 0.6001
pull
Entries 84
Mean 148.9
Std Dev 118.4
pull1D
Entries 84
Mean 0.1661
Std Dev 1.893

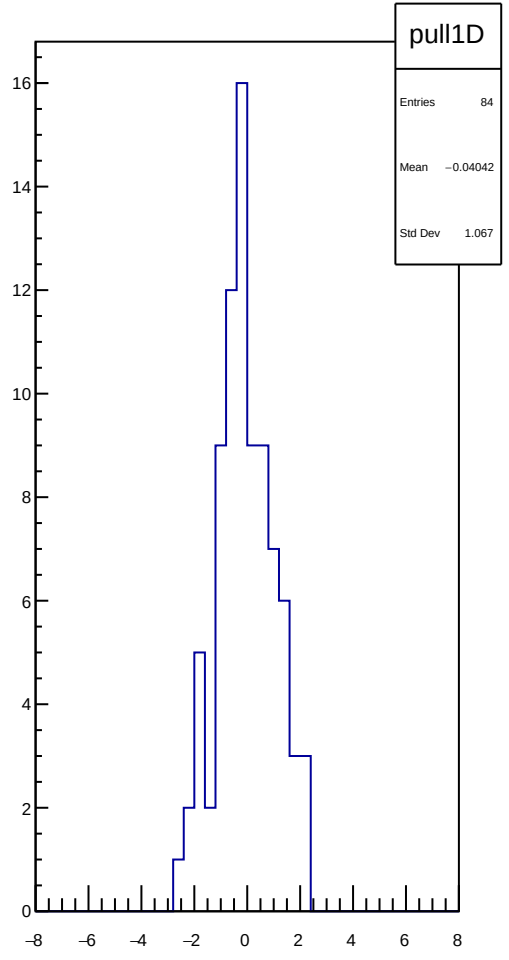

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 125.6 / 83
p0 2.429 ± 0.455
pull
Entries 84
Mean 449.9
Std Dev 422.7
pull1D
Entries 84
Mean −0.02922
Std Dev 1.223

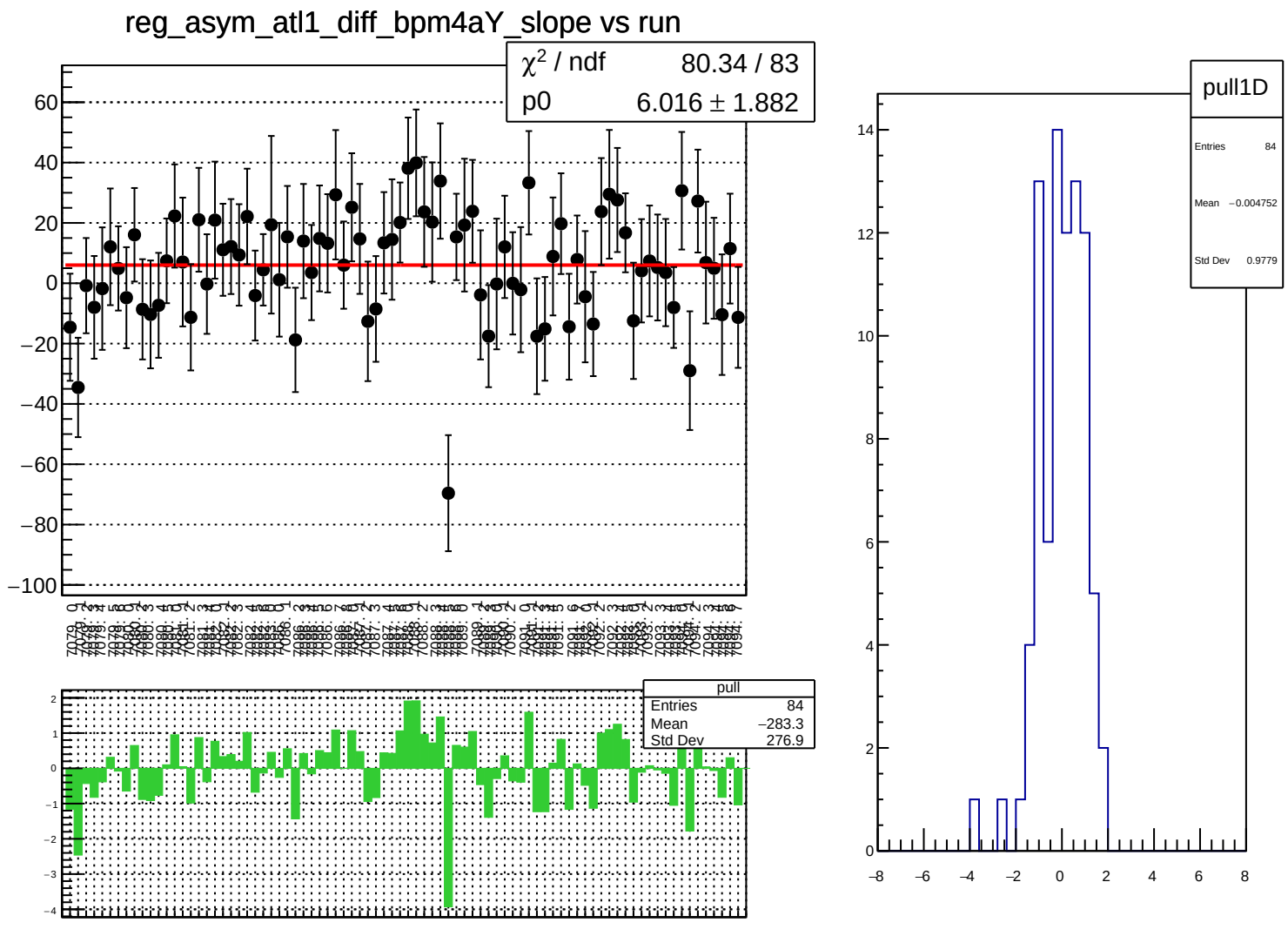

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 250.9 / 83
p0 −44.57 ± 0.5789
pull
Entries 84
Mean 139.6
Std Dev 109.3
pull1D
Entries 84
Mean −0.159
Std Dev 1.721

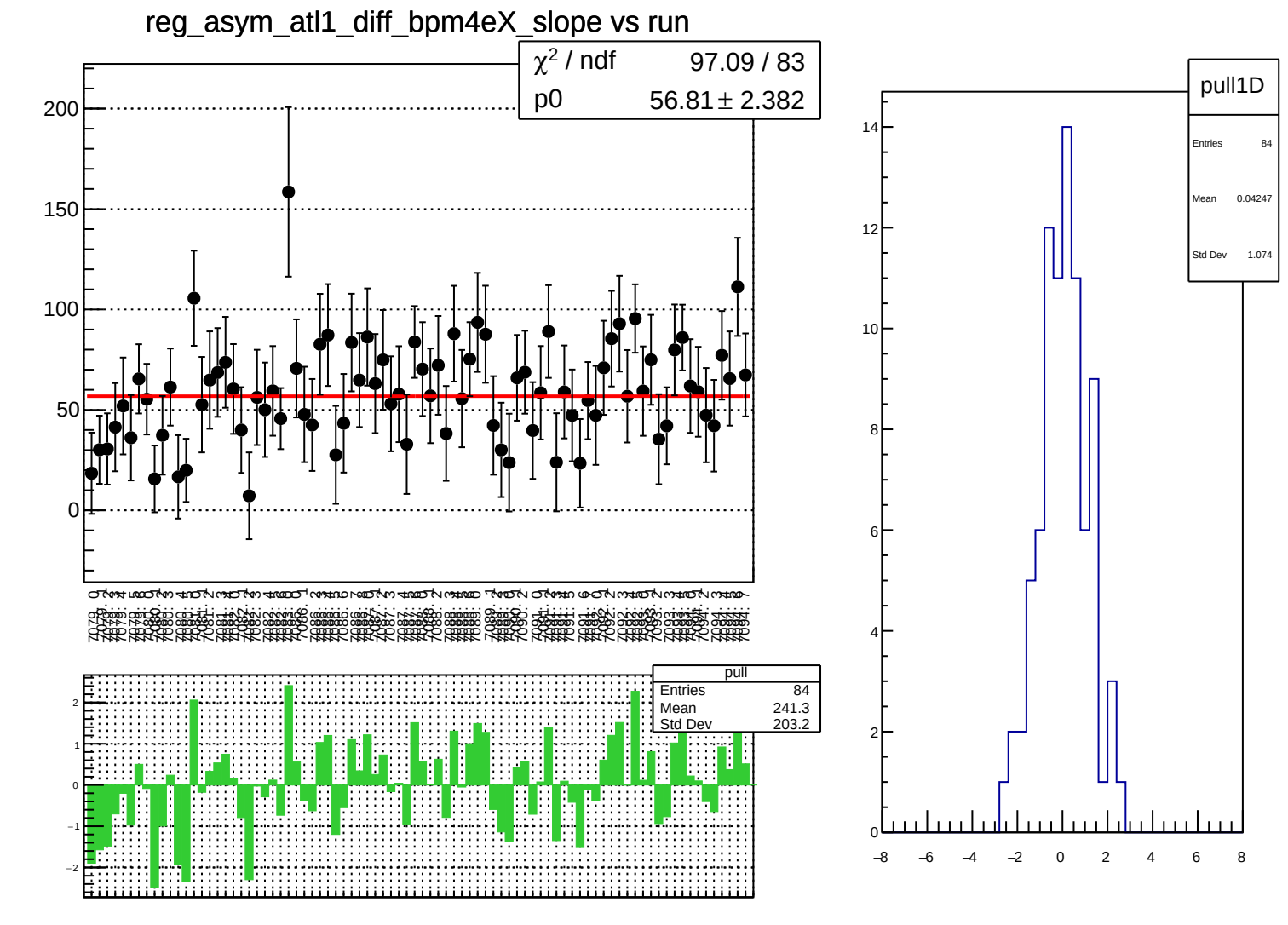

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 115.4 / 83
p0 31.85 ± 0.4787
pull
Entries 84
Mean 372.6
Std Dev 345.2
pull1D
Entries 84
Mean 0.03453
Std Dev 1.171

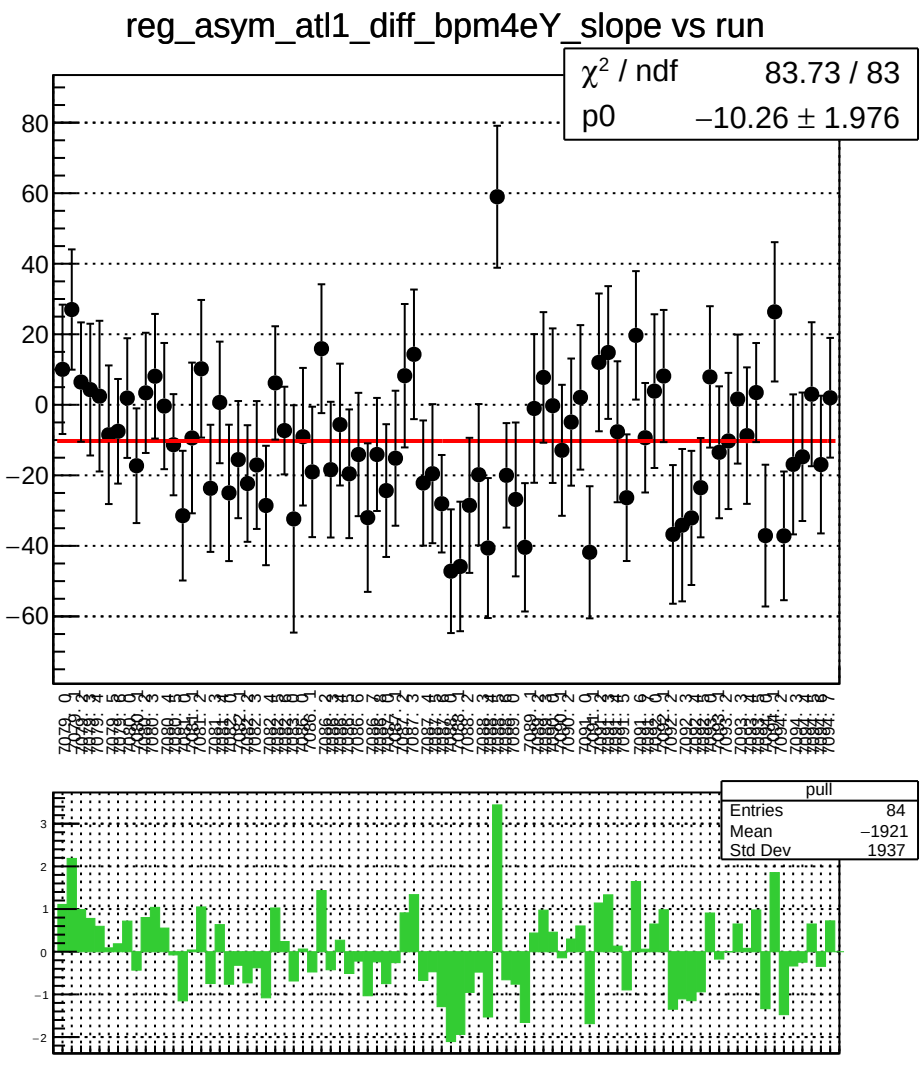

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 12.45 / 83
p0 0.1386 ± 0.02294
pull
Entries 84
Mean 456.5
Std Dev 480.3
pull1D
Entries 84
Mean 0.00215
Std Dev 0.385

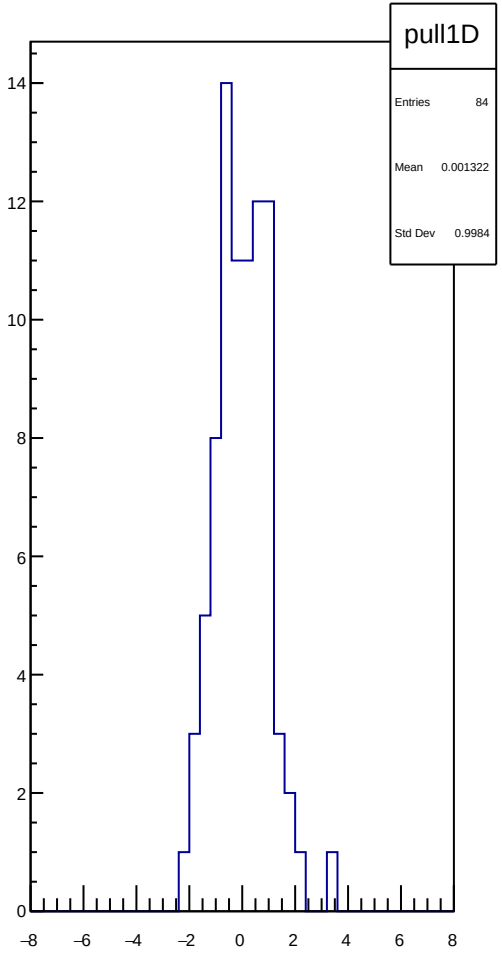

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 95.84 / 83
p0 −20.13 ± 2.47
50
0
−50
−100
−150
pull
Entries 84
Mean 241.6
Std Dev 203.8
2
1
0
−1
−2

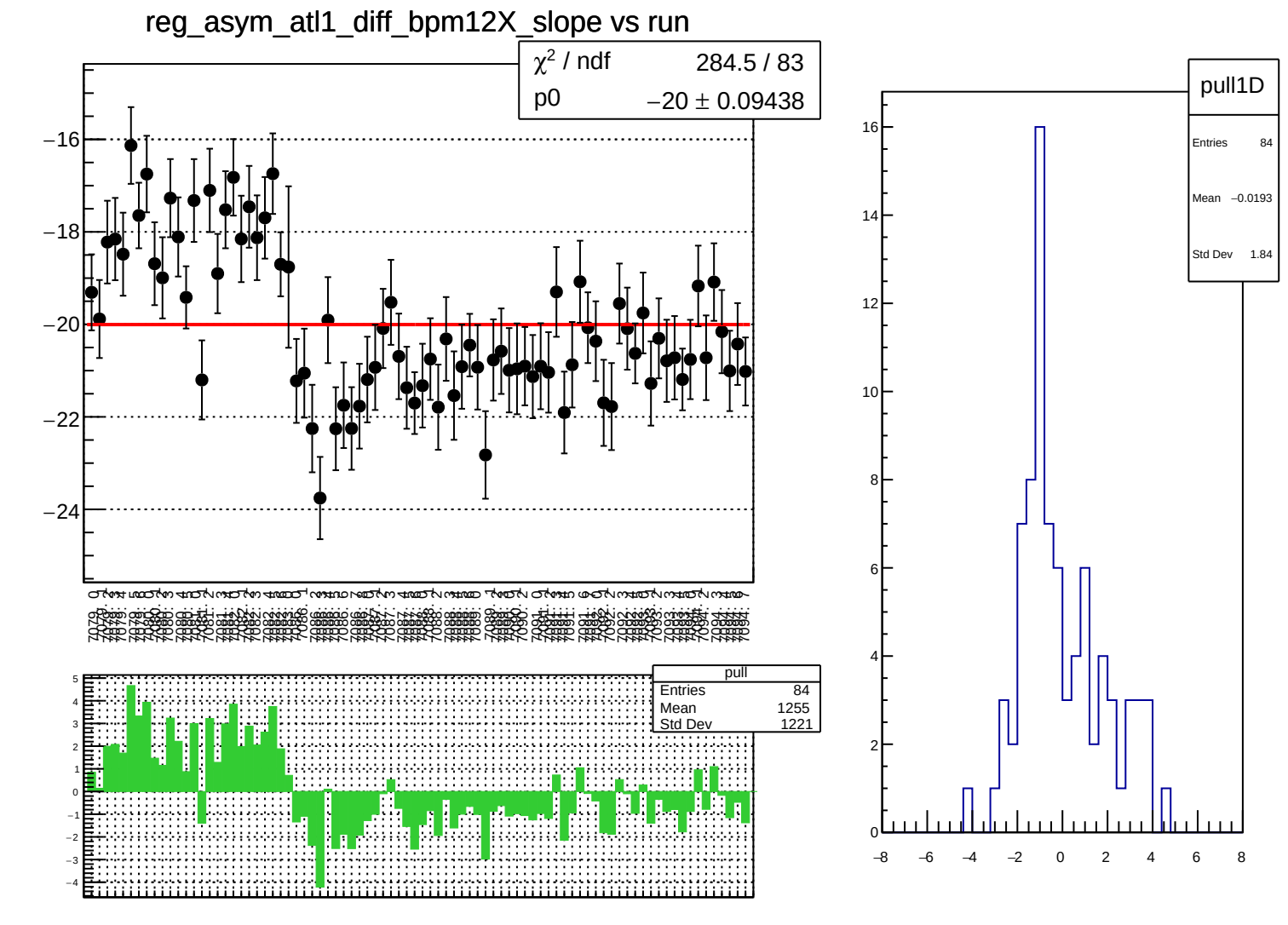

pull1D
Entries 84
Mean −0.04042
Std Dev 1.067
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

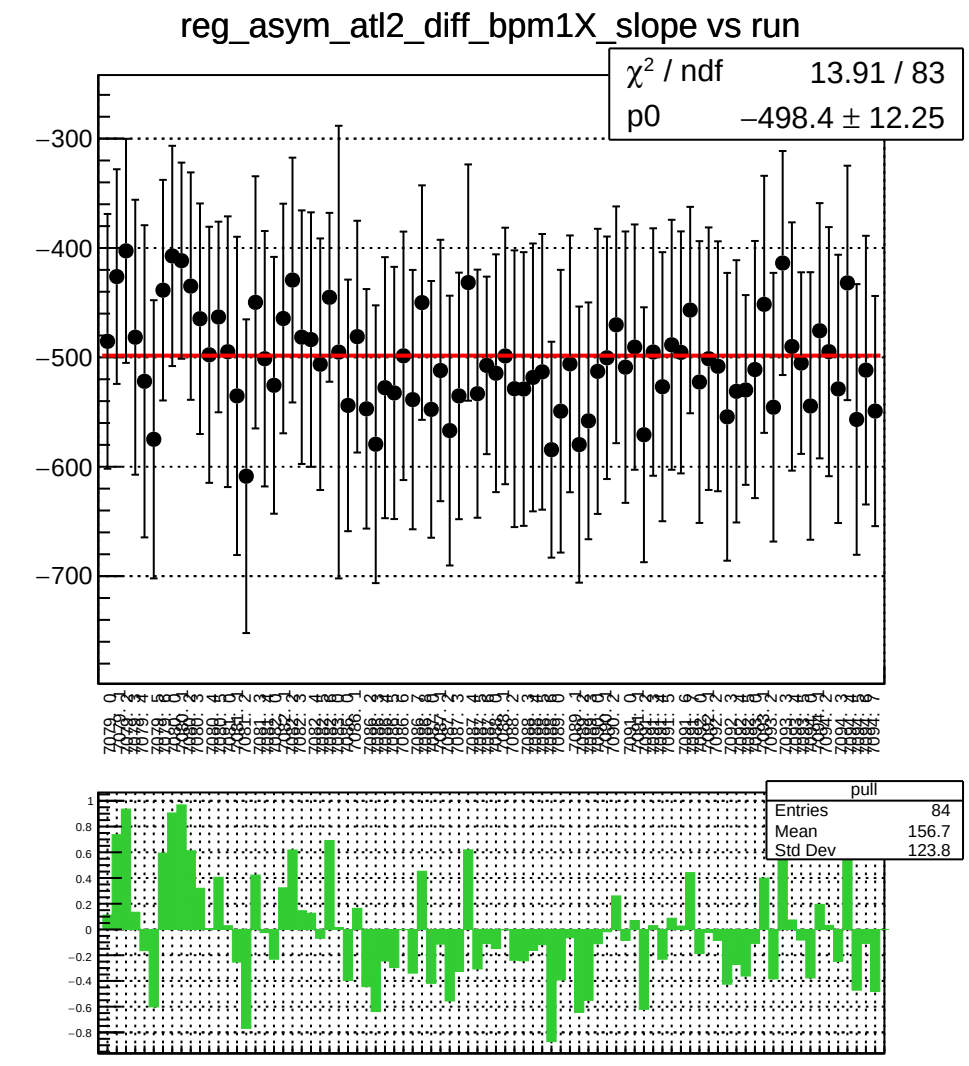

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 80.34 / 83
p0 6.016 ± 1.882
pull
Entries 84
Mean −283.3
Std Dev 276.9
pull1D
Entries 84
Mean −0.004752
Std Dev 0.9779

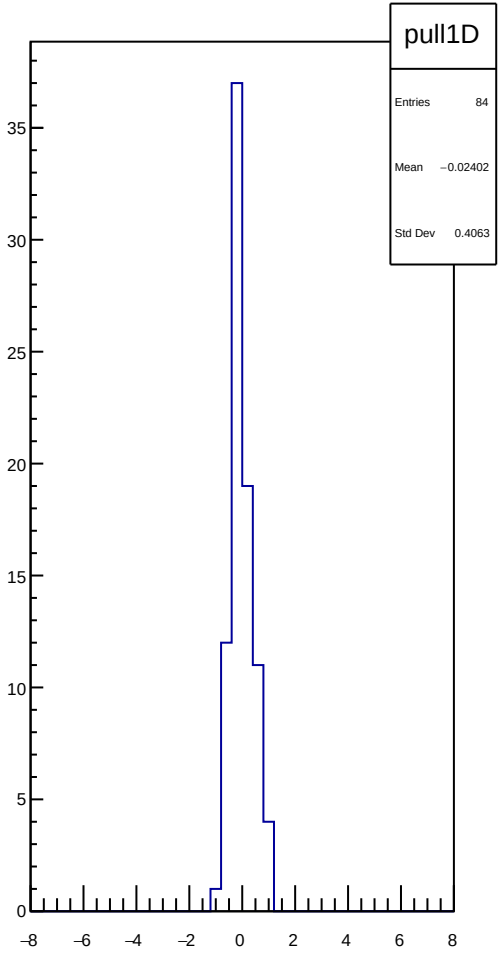

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 97.09 / 83
p0 56.81 ± 2.382
pull
Entries 84
Mean 241.3
Std Dev 203.2
pull1D
Entries 84
Mean 0.04247
Std Dev 1.074

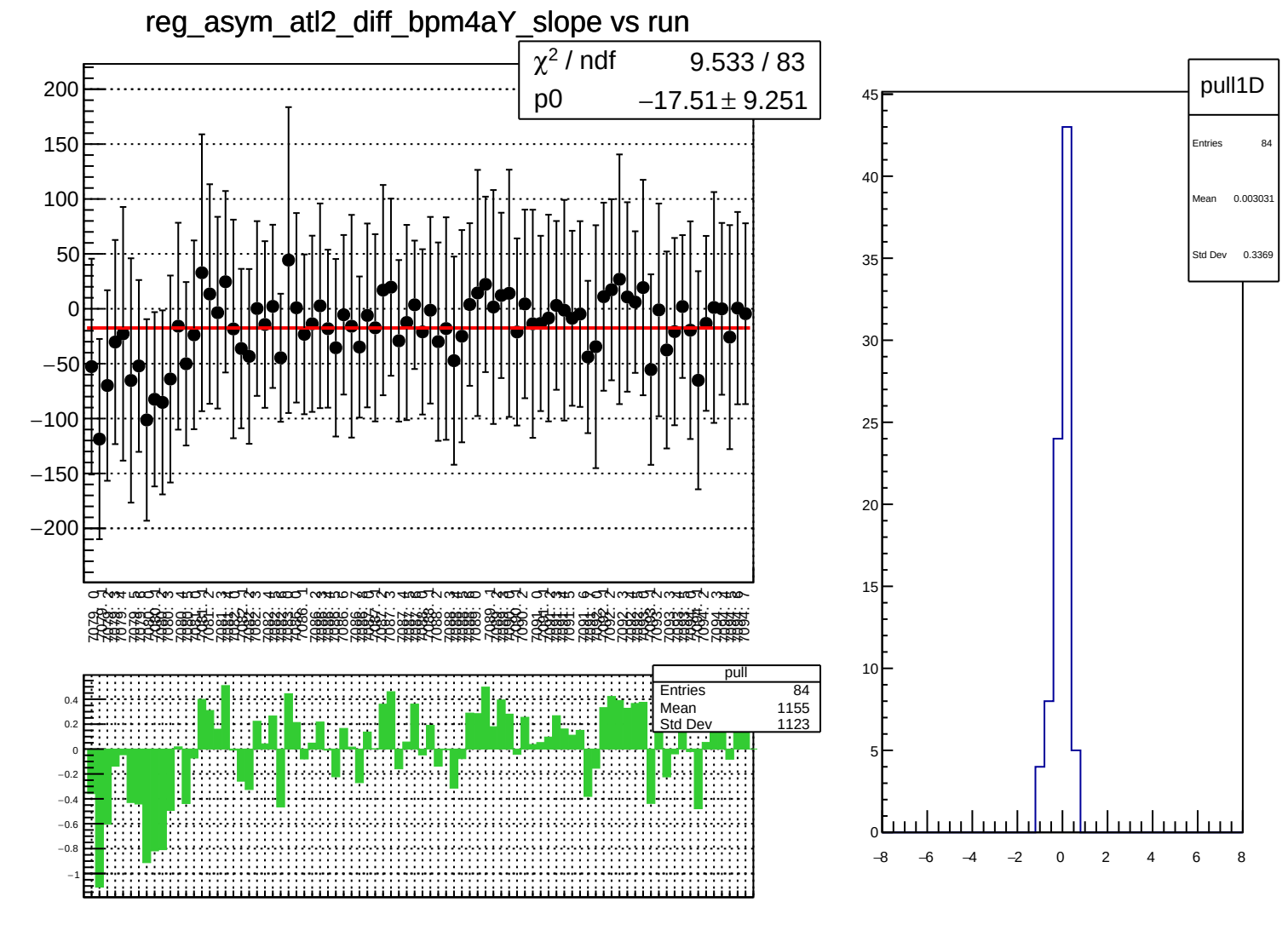

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 83.73 / 83
p0 −10.26 ± 1.976
pull
Entries 84
Mean −1921
Std Dev 1937

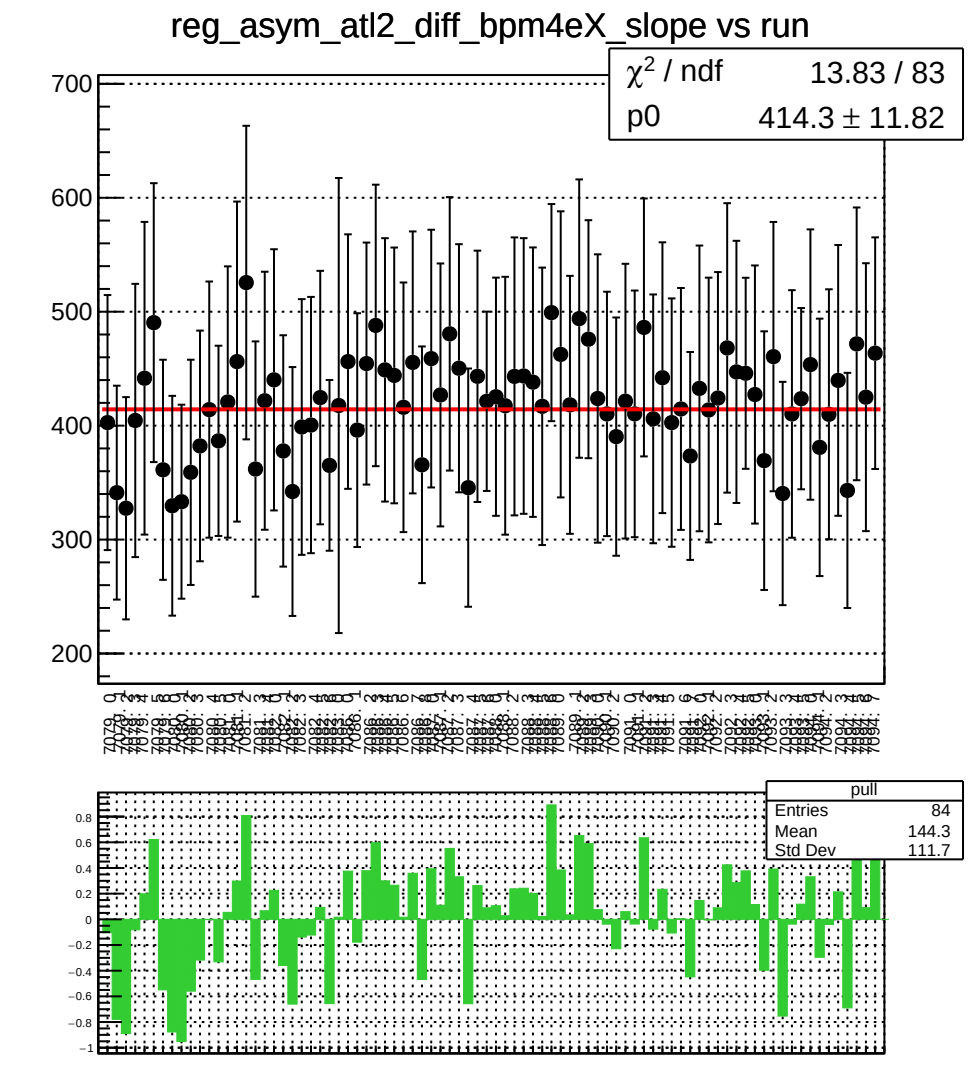

pull1D
Entries 84
Mean 0.001322
Std Dev 0.9984

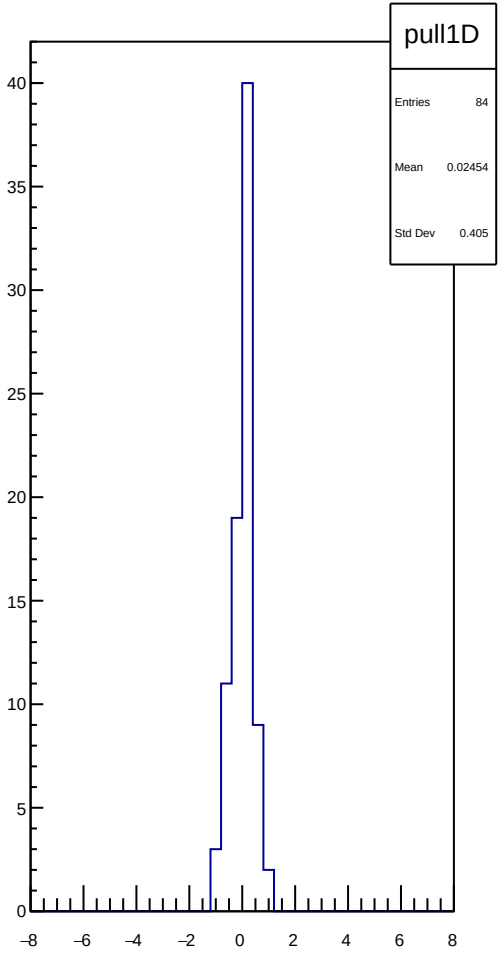

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 284.5 / 83
p0 −20 ± 0.09438
−16
−18
−20
−22
−24
pull
Entries 84
Mean 1255
Std Dev 1221
pull1D
Entries 84
Mean −0.0193
Std Dev 1.84

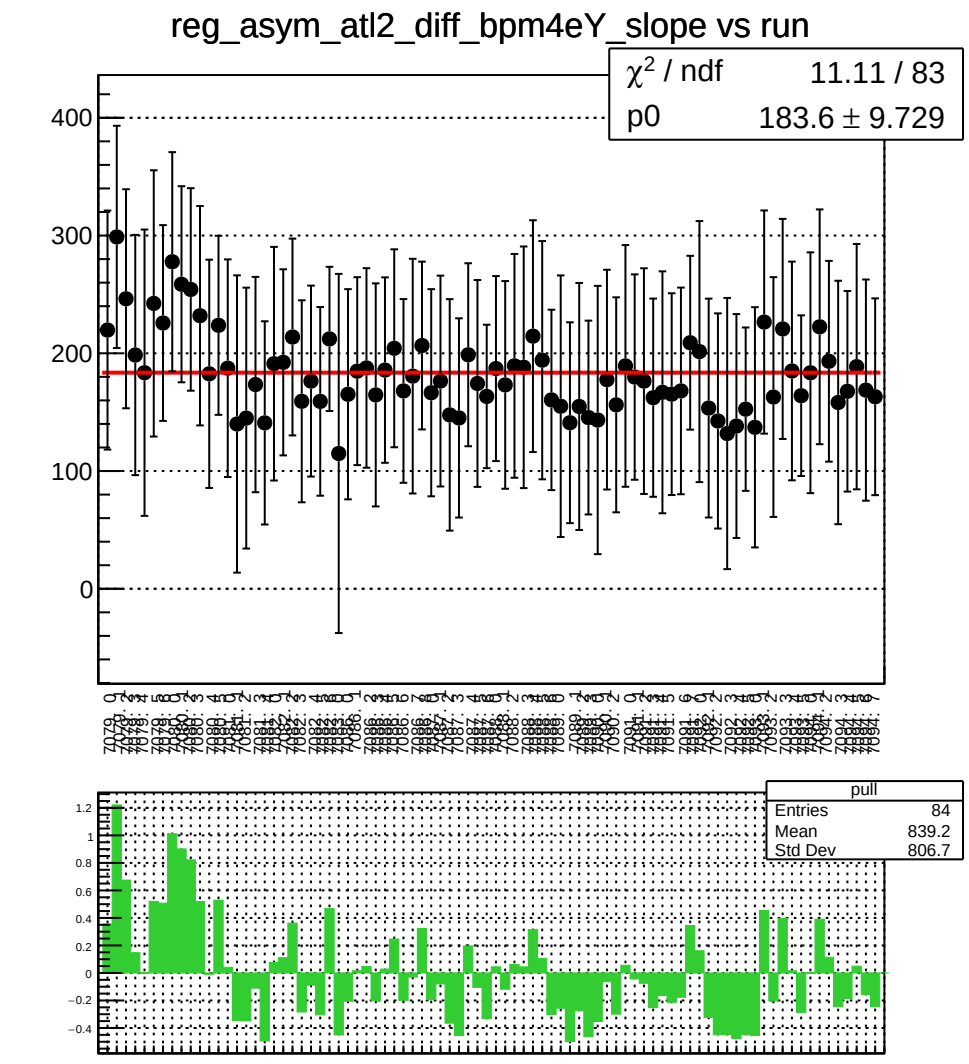

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 13.91 / 83
p0 −498.4 ± 12.25
−300
−400
−500
−600
−700
pull
Entries 84
Mean 156.7
Std Dev 123.8
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

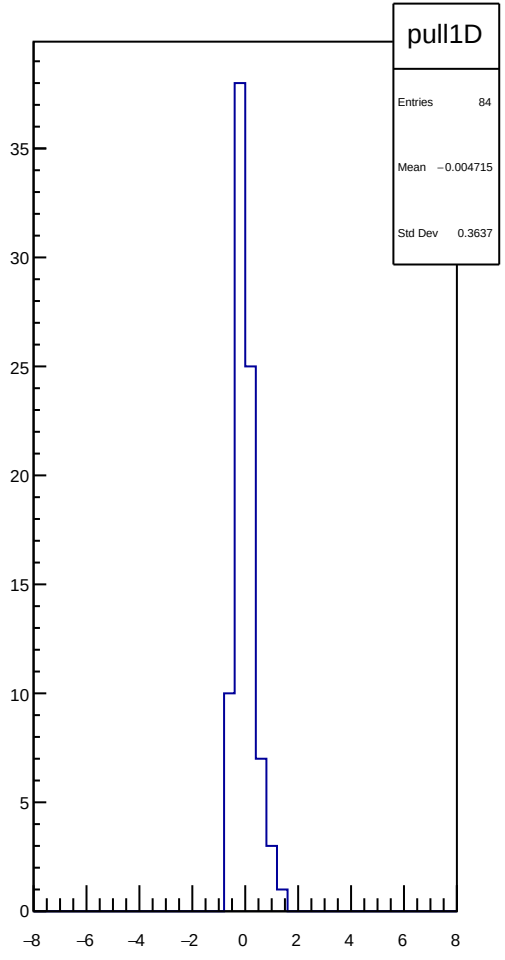

pull1D
Entries 84
Mean −0.02402
Std Dev 0.4063
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

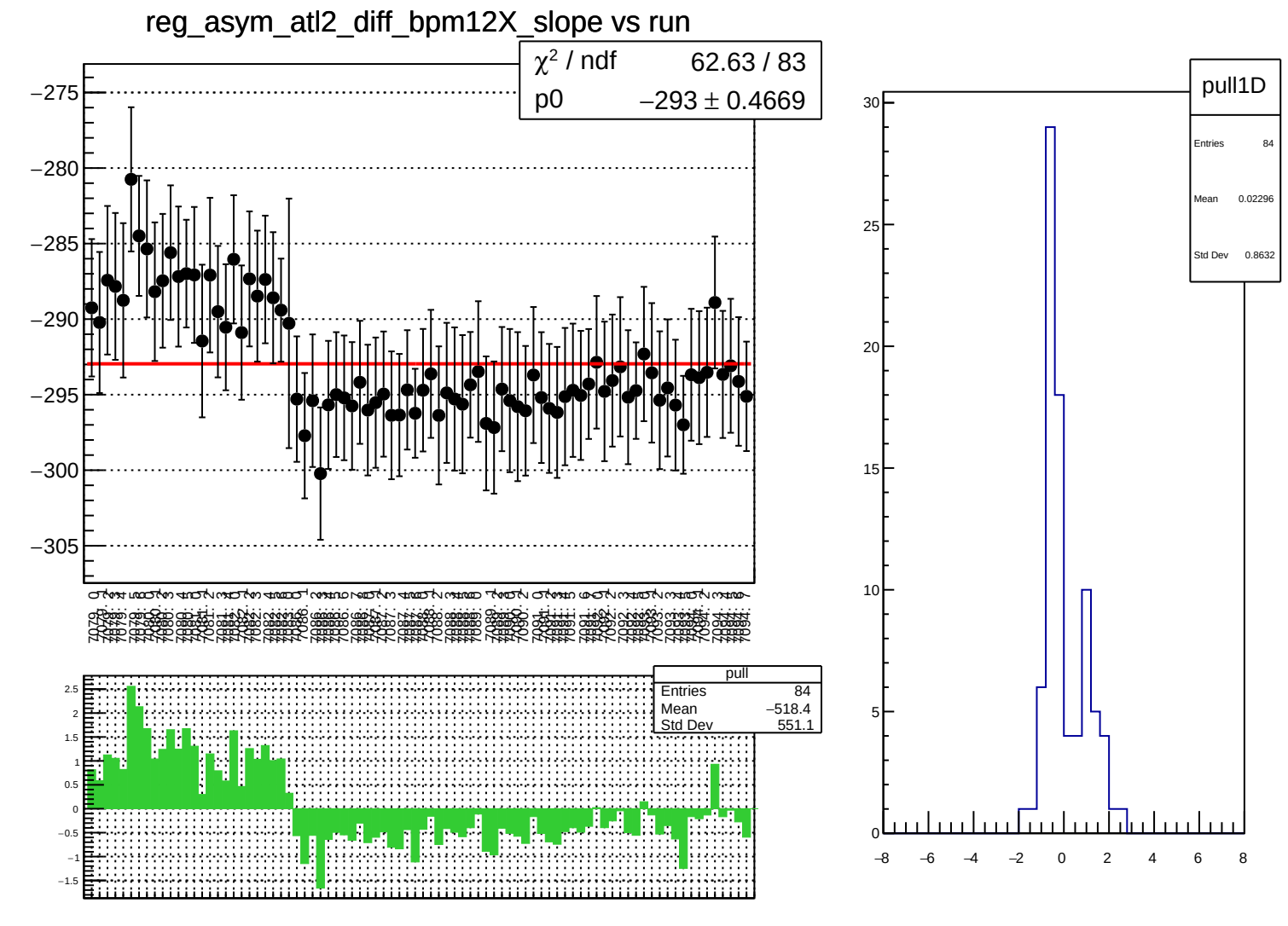

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 9.533 / 83
p0 −17.51 ± 9.251
pull
Entries 84
Mean 1155
Std Dev 1123
pull1D
Entries 84
Mean 0.003031
Std Dev 0.3369

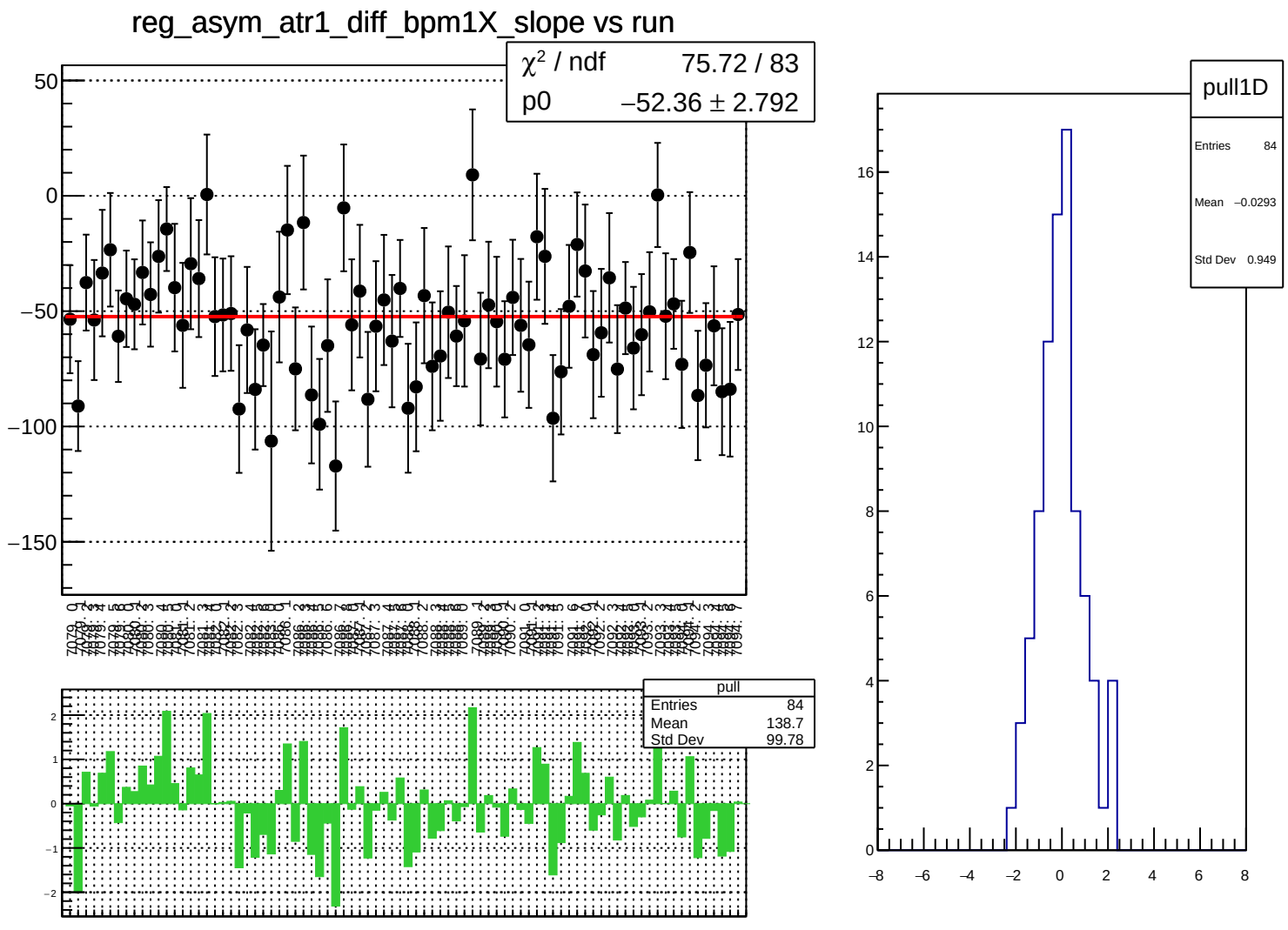

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 13.83 / 83
p0 414.3 ± 11.82
700
600
500
400
300
200
pull
Entries 84
Mean 144.3
Std Dev 111.7
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

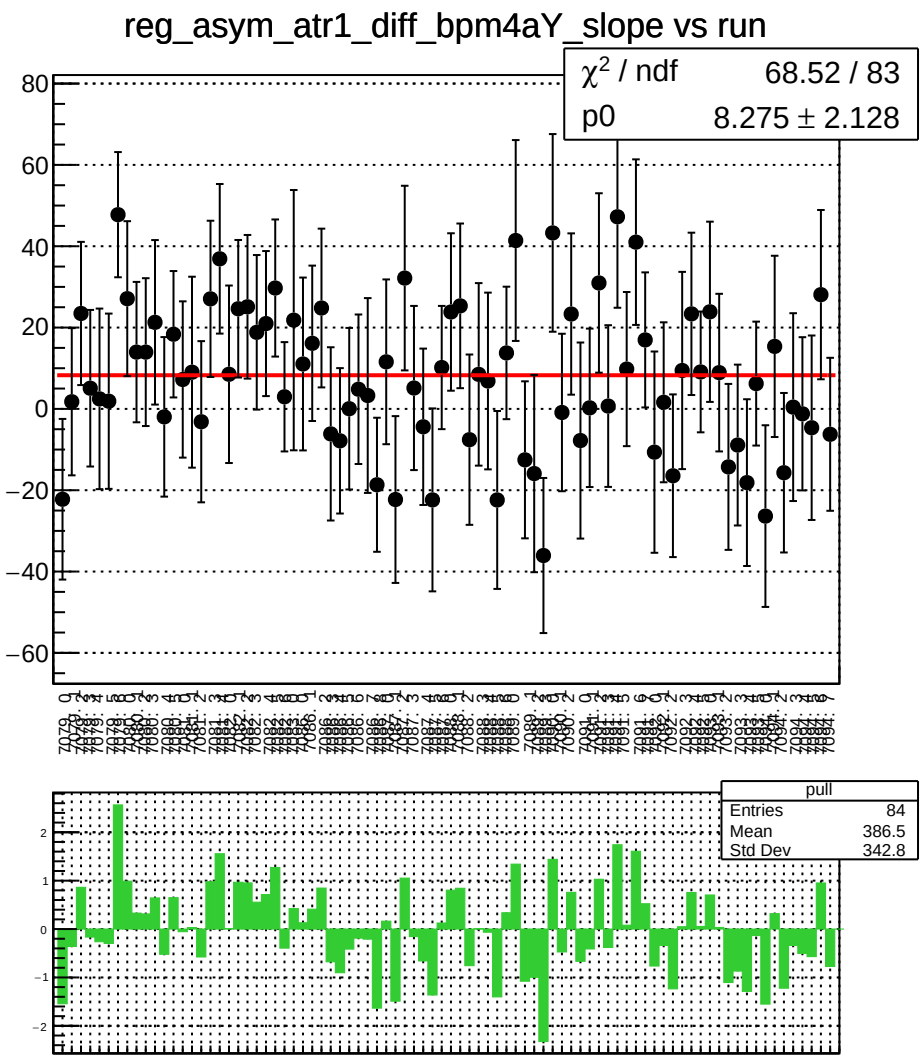

pull1D
Entries 84
Mean 0.02454
Std Dev 0.405
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

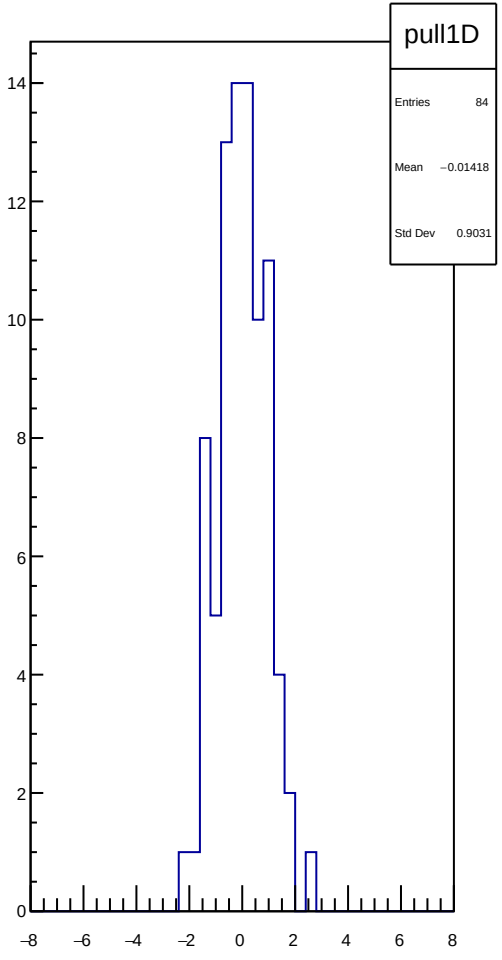

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 11.11 / 83
p0 183.6 ± 9.729
400
300
200
100
0
pull
Entries 84
Mean 839.2
Std Dev 806.7
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4

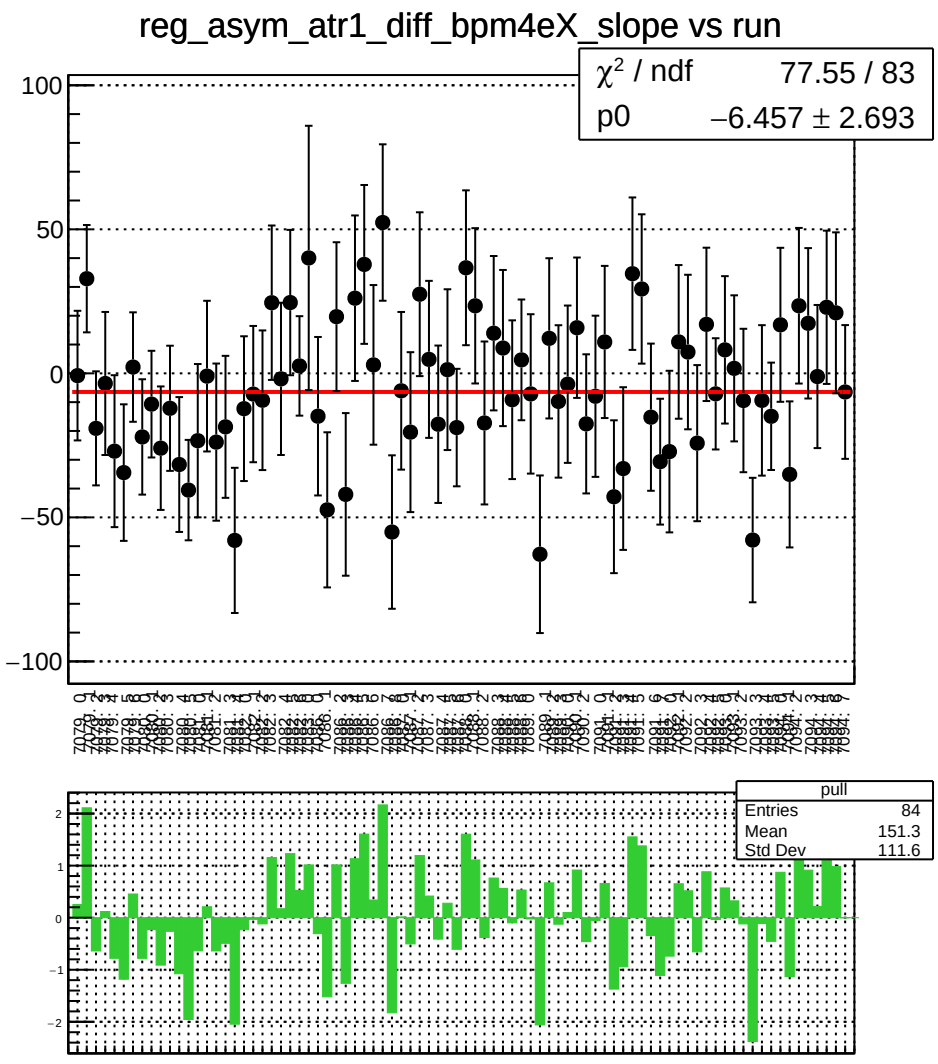

pull1D
Entries 84
Mean −0.004715
Std Dev 0.3637
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

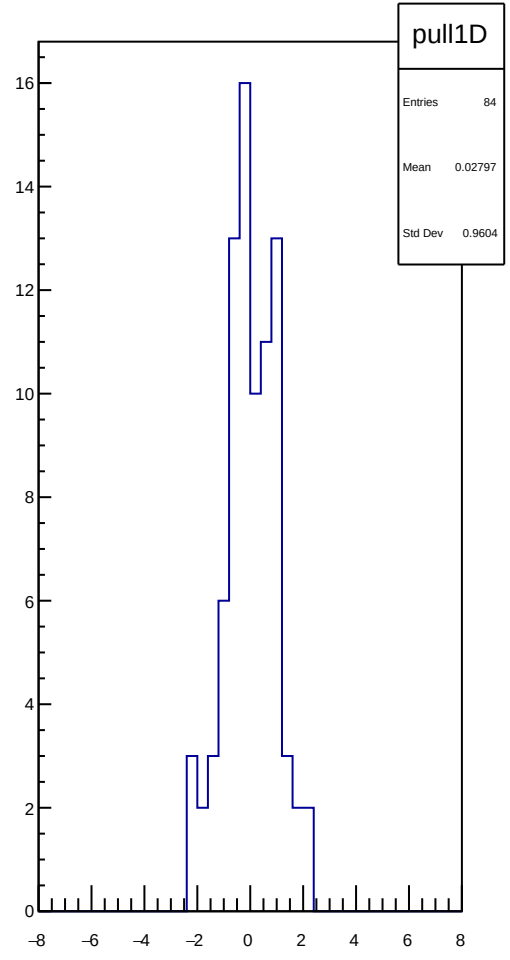

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 62.63 / 83
p0 −293 ± 0.4669
−275
−280
−285
−290
−295
−300
−305
pull
Entries 84
Mean −518.4
Std Dev 551.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean 0.02296
Std Dev 0.8632
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

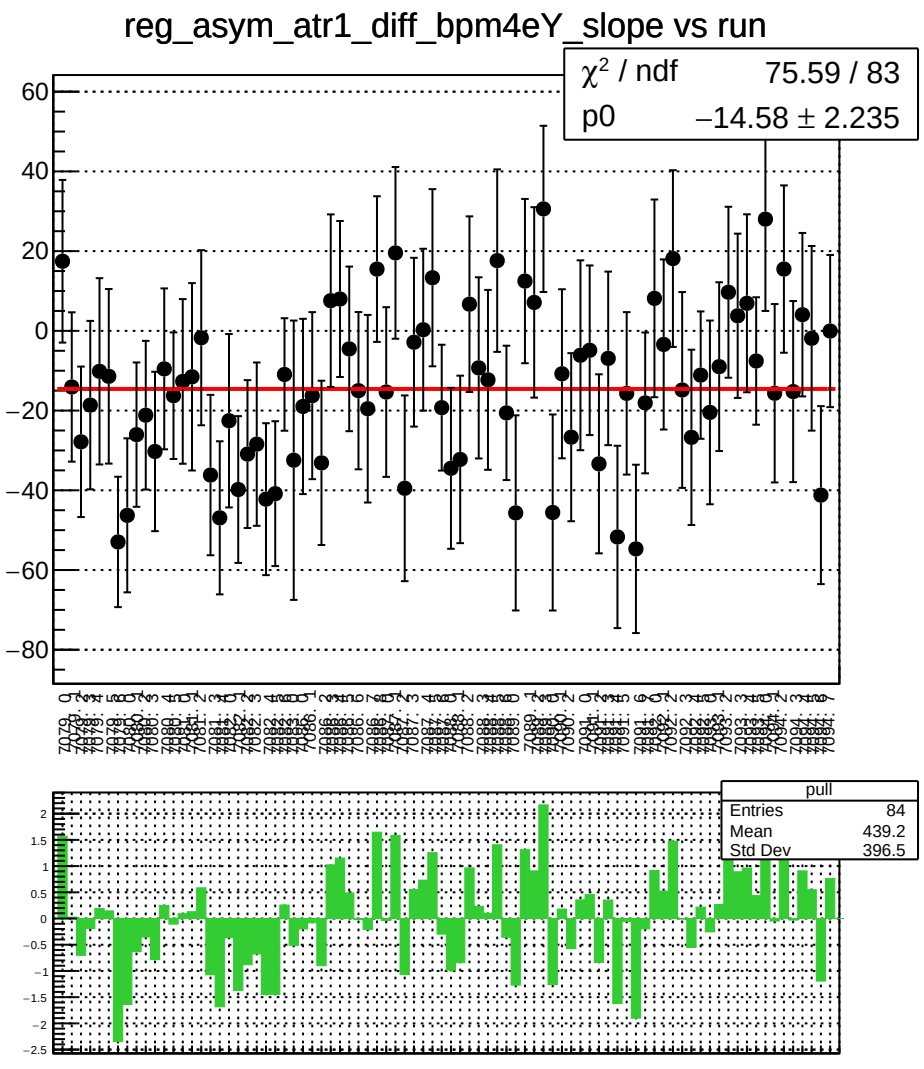

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 75.72 / 83
p0 −52.36 ± 2.792
pull
Entries 84
Mean 138.7
Std Dev 99.78
pull1D
Entries 84
Mean −0.0293
Std Dev 0.949

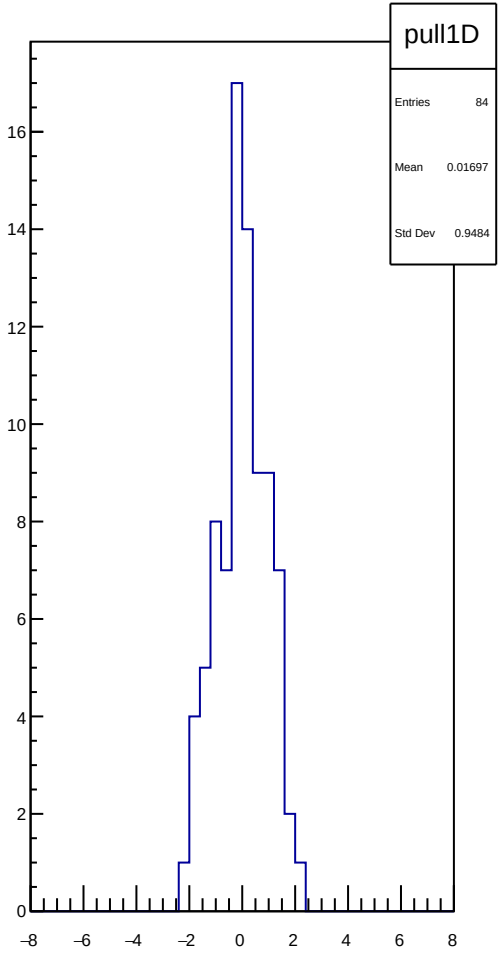

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 68.52 / 83
p0 8.275 ± 2.128
pull
Entries 84
Mean 386.5
Std Dev 342.8

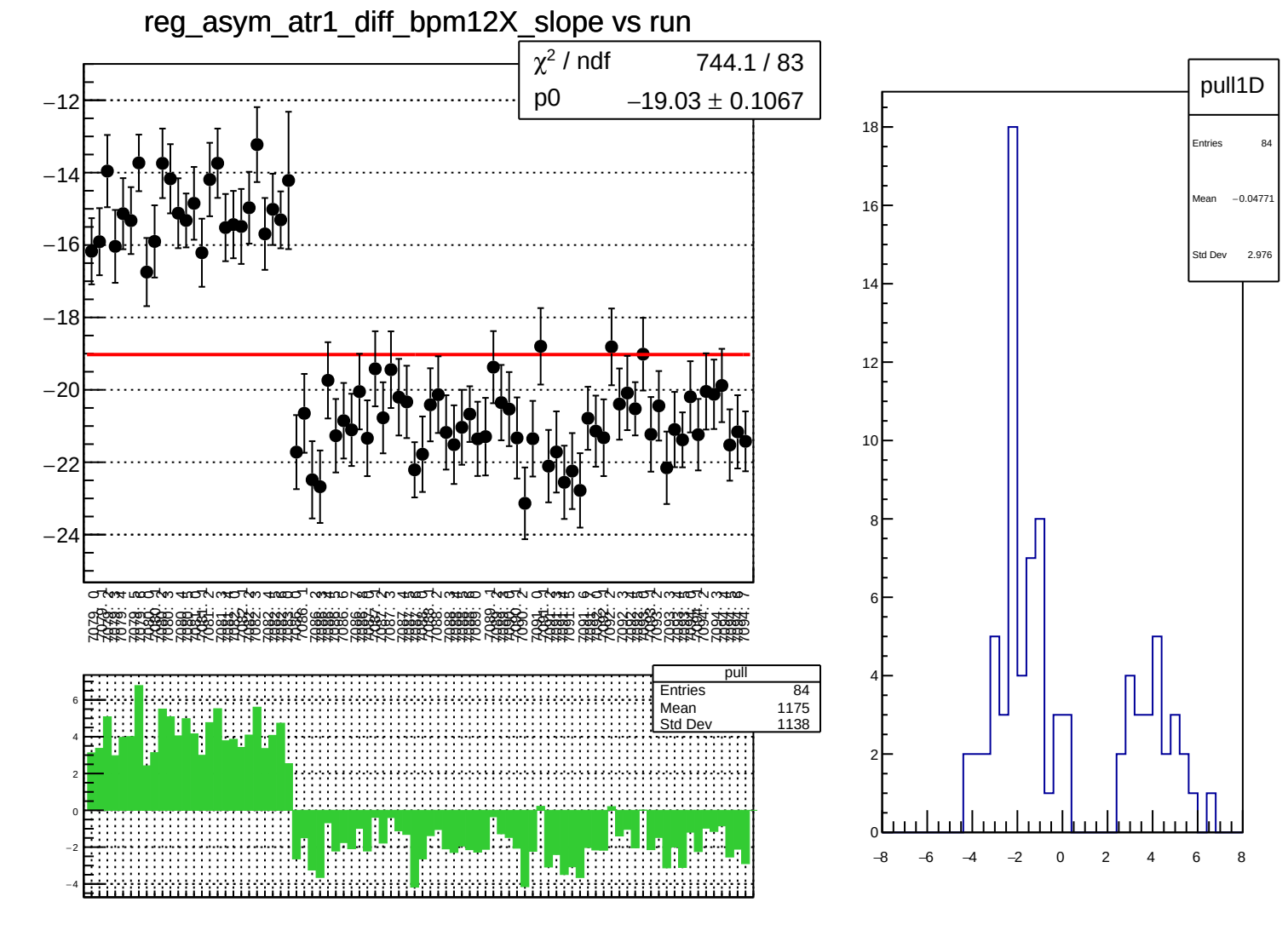

pull1D
Entries 84
Mean −0.01418
Std Dev 0.9031

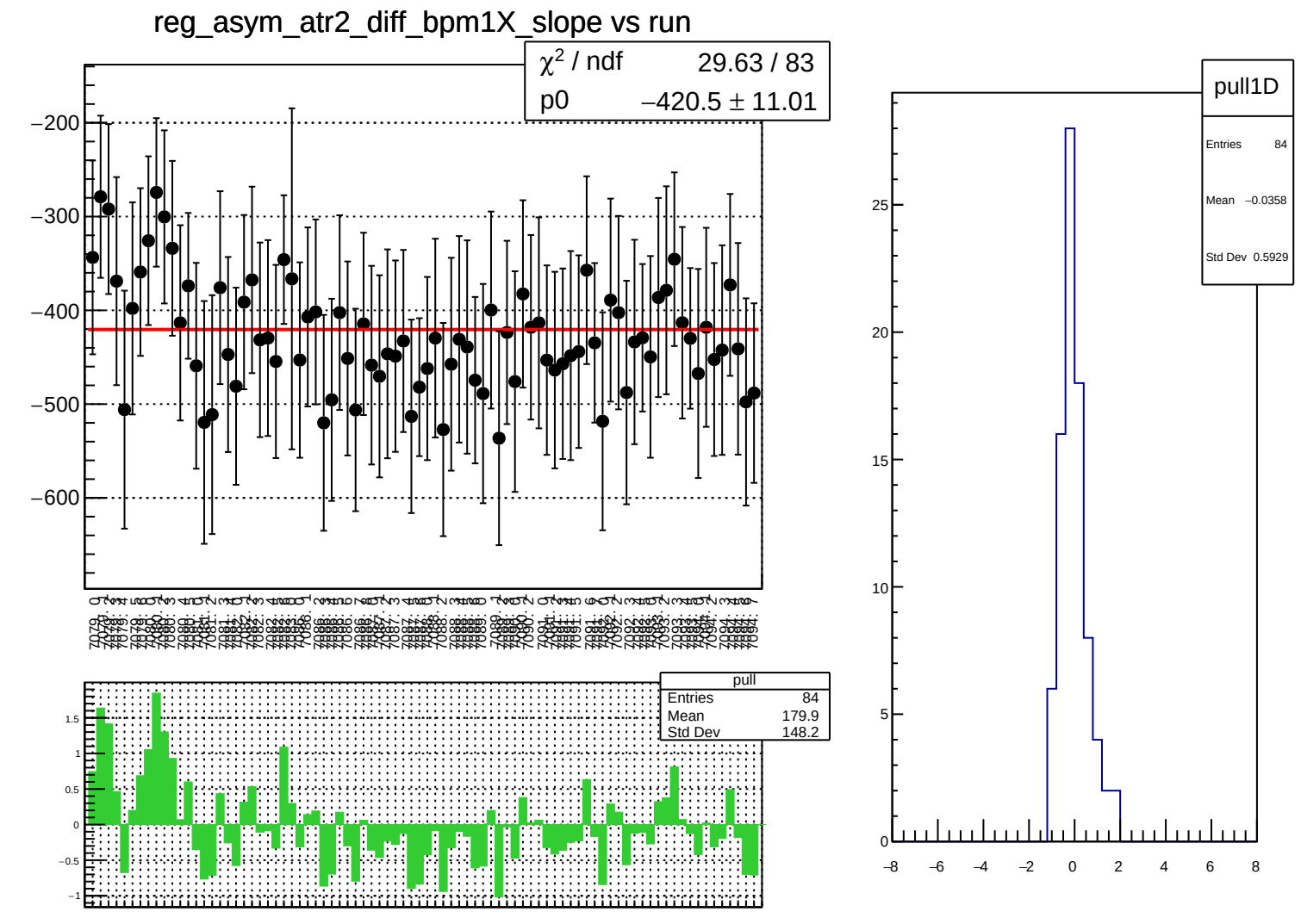

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 77.55 / 83
p0 −6.457 ± 2.693
100
50
0
−50
−100
pull
Entries 84
Mean 151.3
Std Dev 111.6
2
1
0
−1
−2

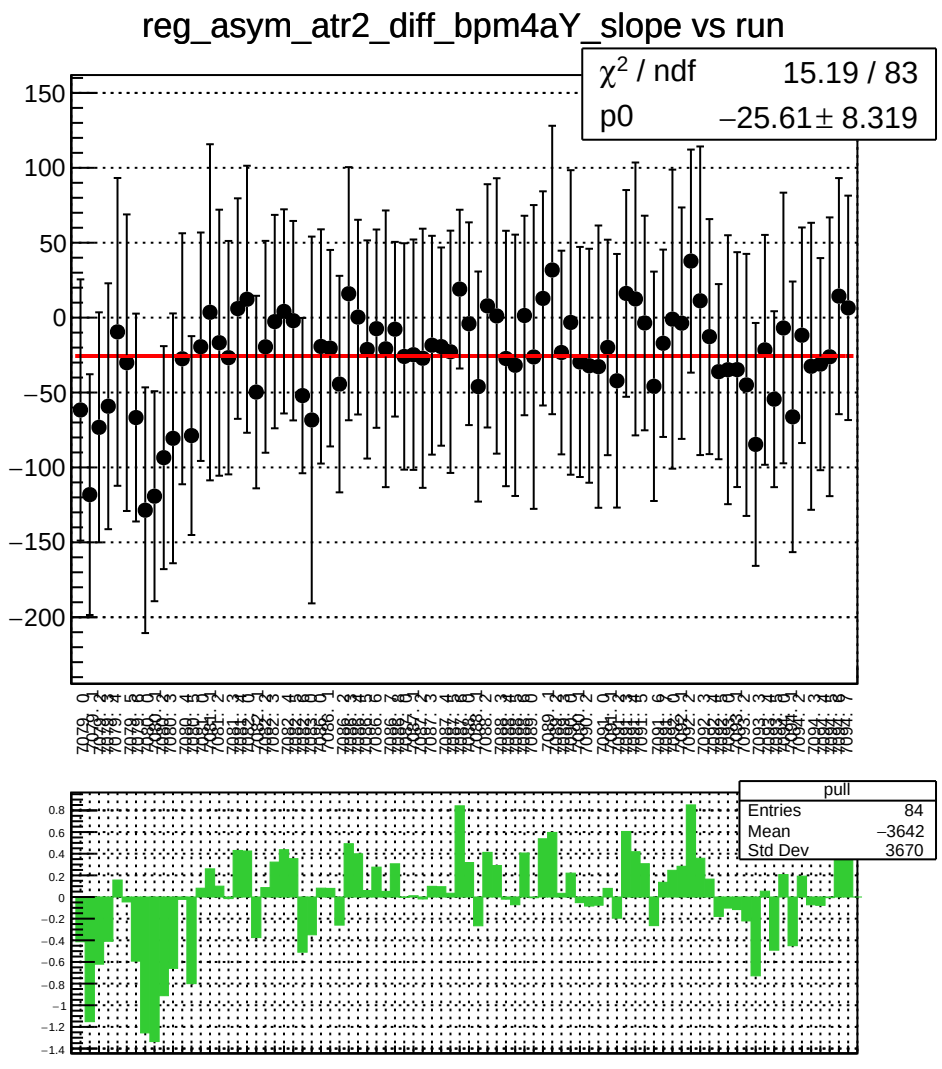

pull1D
Entries 84
Mean 0.02797
Std Dev 0.9604
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

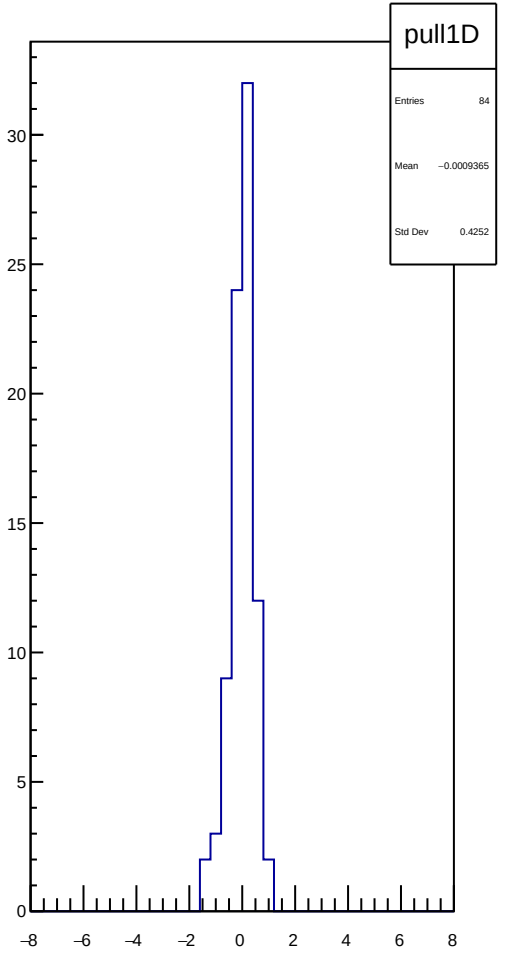

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 75.59 / 83
p0 −14.58 ± 2.235
pull
Entries 84
Mean 439.2
Std Dev 396.5

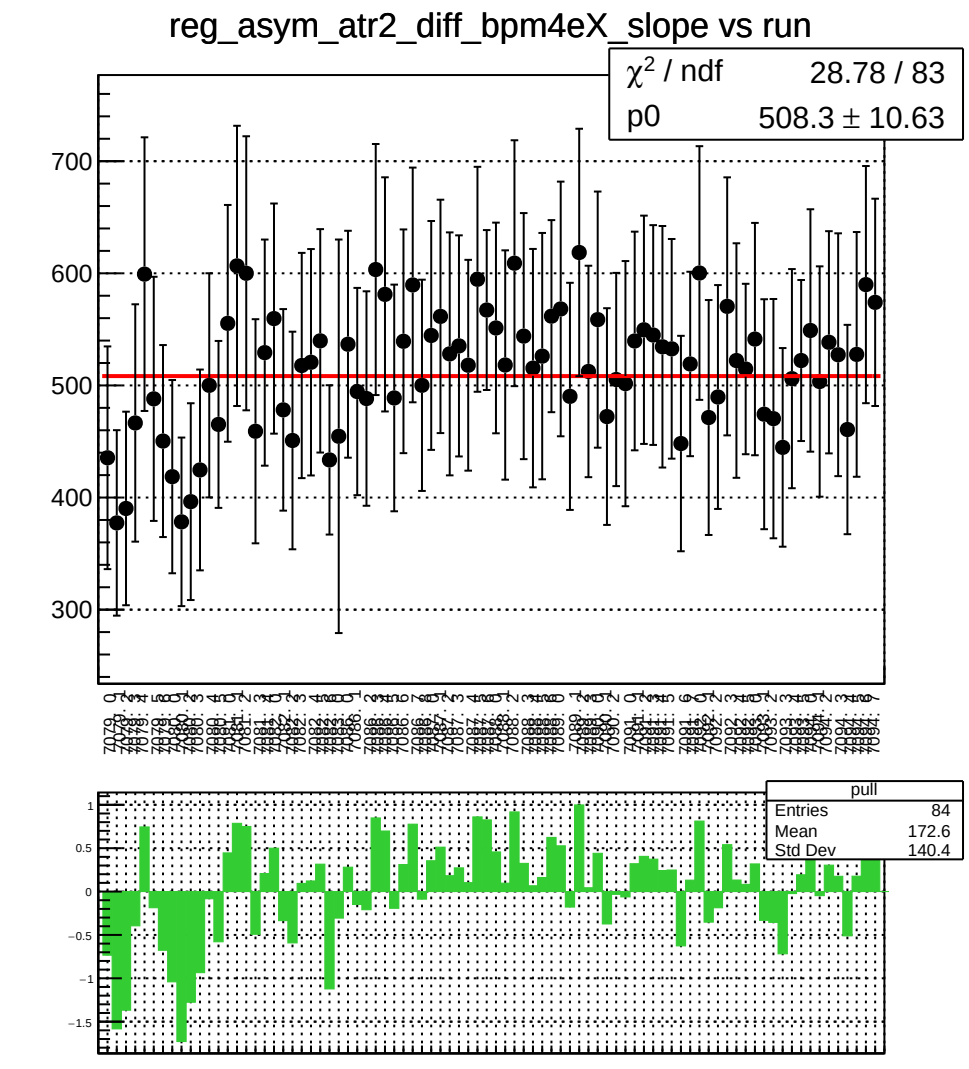

pull1D
Entries 84
Mean 0.01697
Std Dev 0.9484

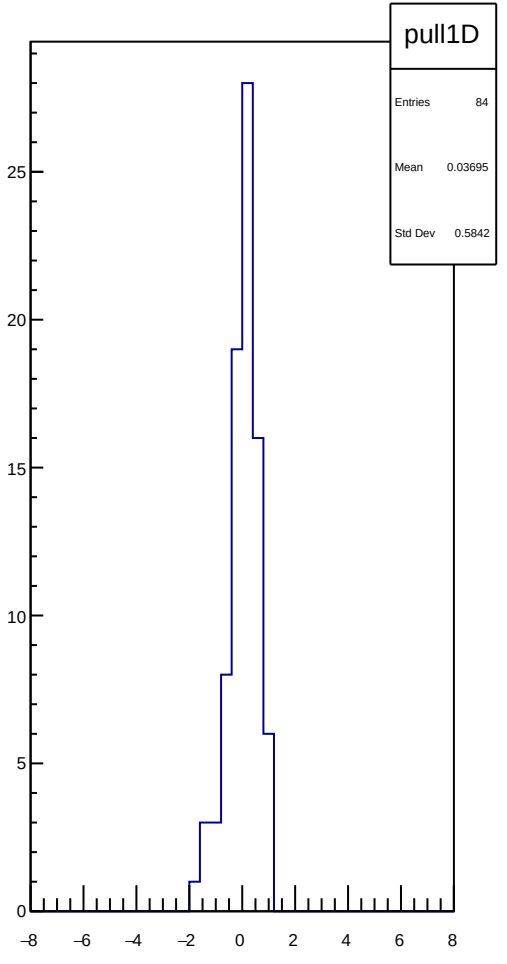

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 744.1 / 83
p0 −19.03 ± 0.1067
pull
Entries 84
Mean 1175
Std Dev 1138
pull1D
Entries 84
Mean −0.04771
Std Dev 2.976

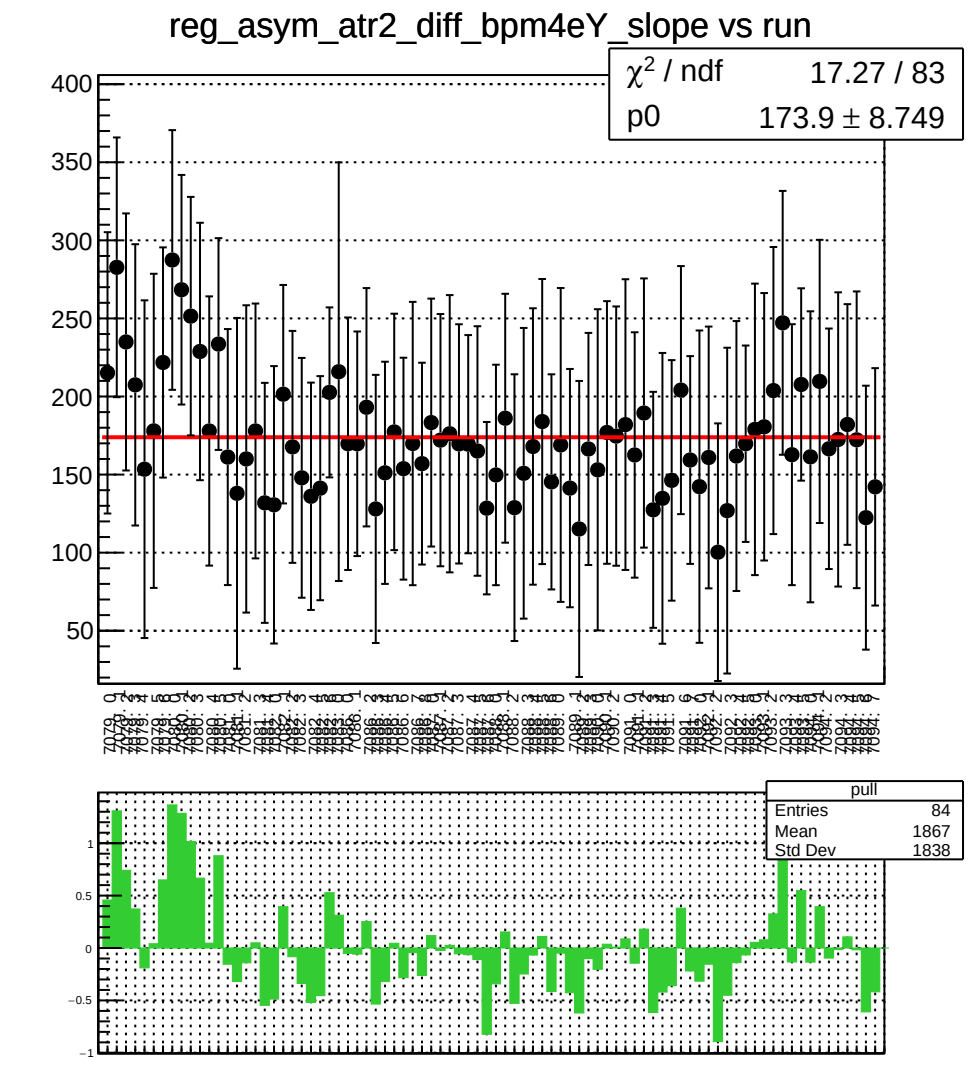

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 29.63 / 83
p0 −420.5 ± 11.01
−200
−300
−400
−500
−600
pull
Entries 84
Mean 179.9
Std Dev 148.2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean −0.0358
Std Dev 0.5929
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

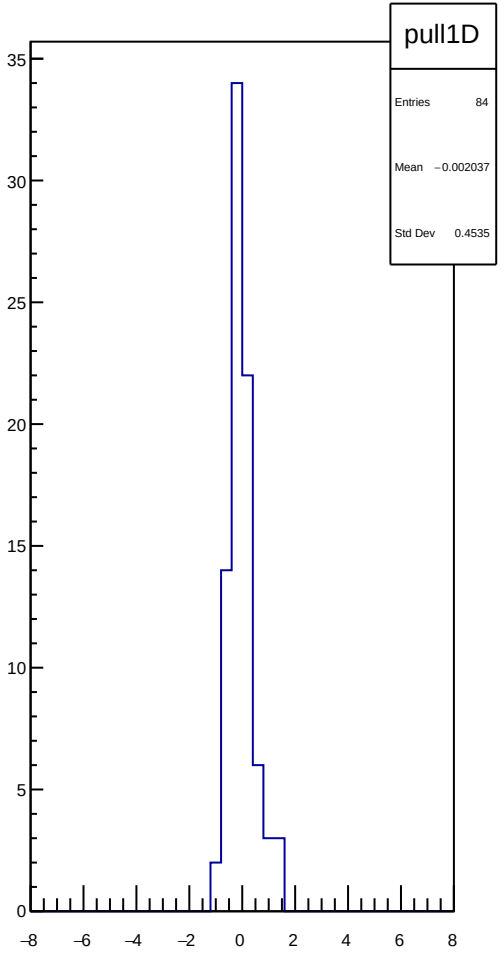

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 15.19 / 83
p0 −25.61 ± 8.319
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean −3642
Std Dev 3670
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

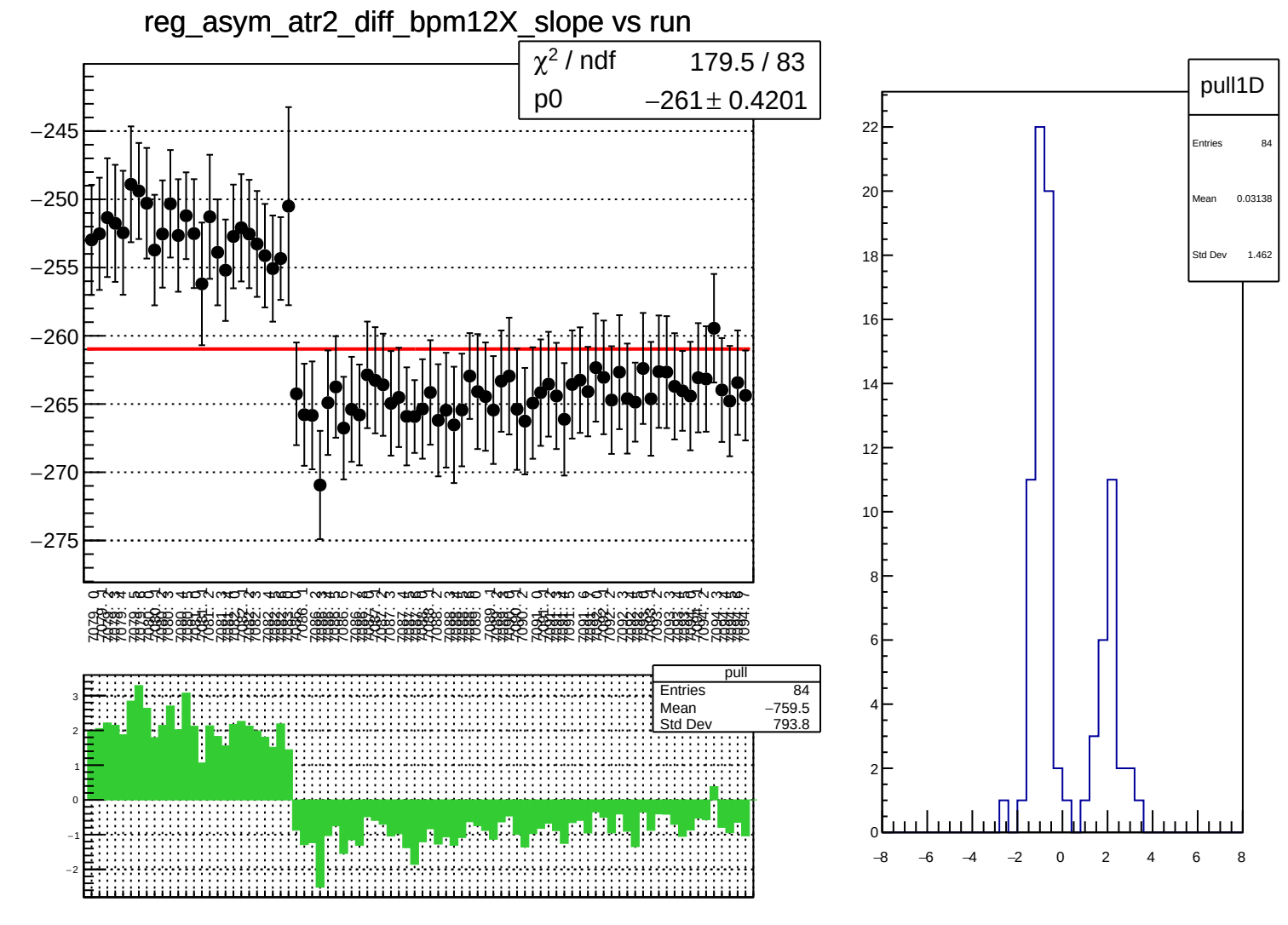

pull1D
Entries 84
Mean −0.0009365
Std Dev 0.4252
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

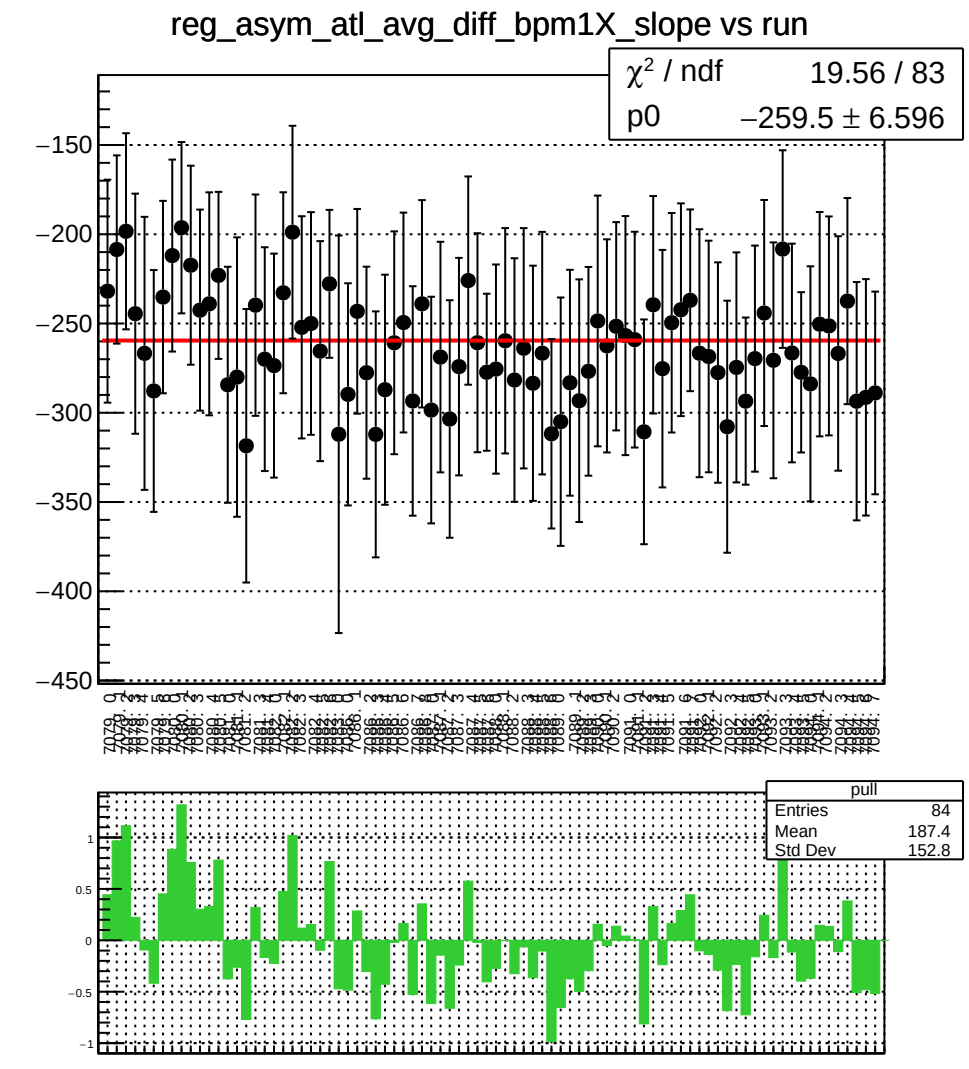

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 28.78 / 83
p0 508.3 ± 10.63
700
600
500
400
300
pull
Entries 84
Mean 172.6
Std Dev 140.4
1
0.5
0
−0.5
−1
−1.5

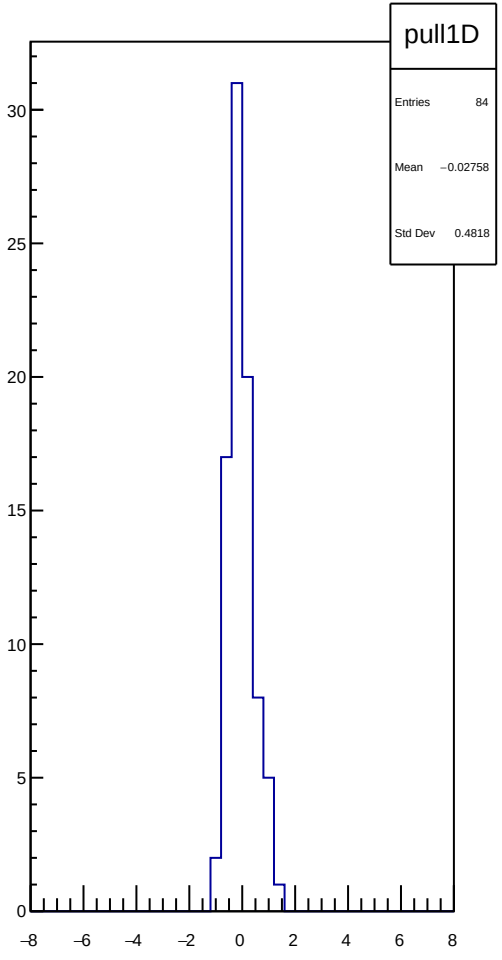

pull1D
Entries 84
Mean 0.03695
Std Dev 0.5842
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

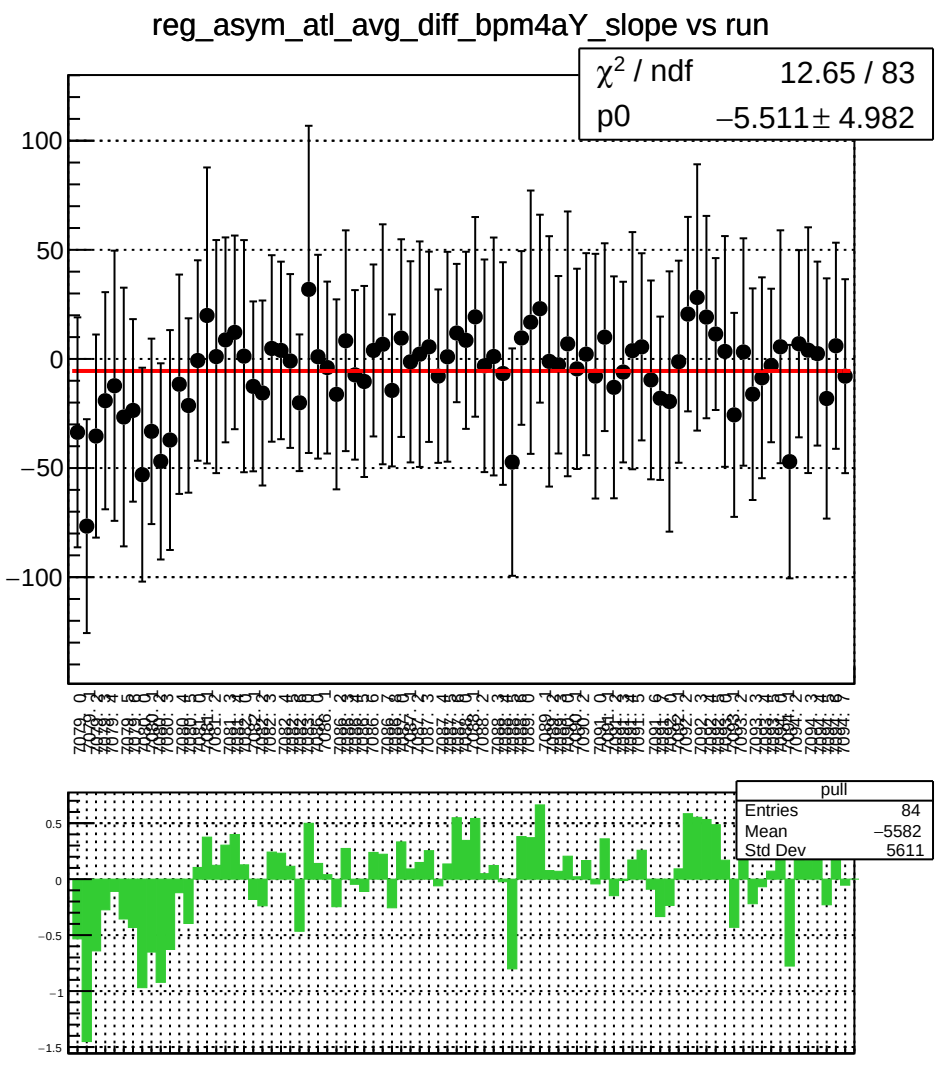

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 17.27 / 83
p0 173.9 ± 8.749
pull
Entries 84
Mean 1867
Std Dev 1838

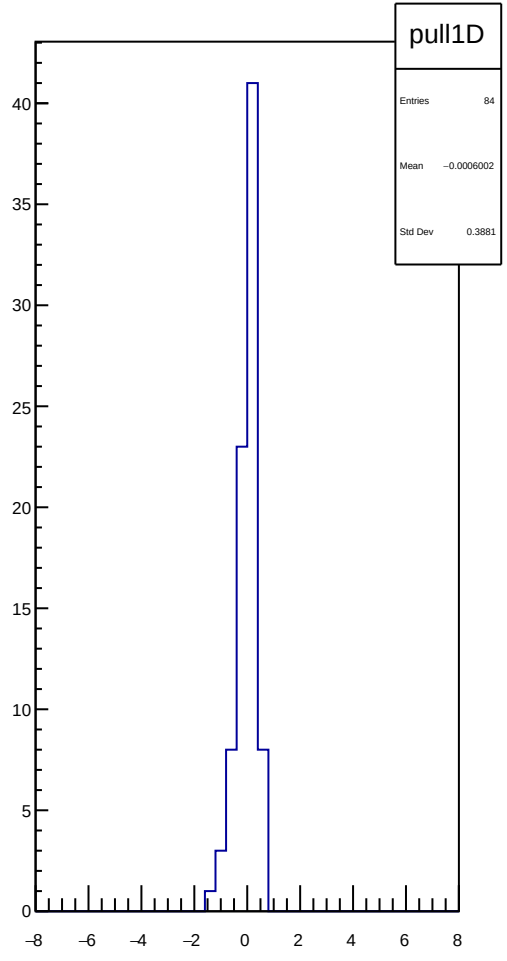

pull1D
Entries 84
Mean −0.002037
Std Dev 0.4535

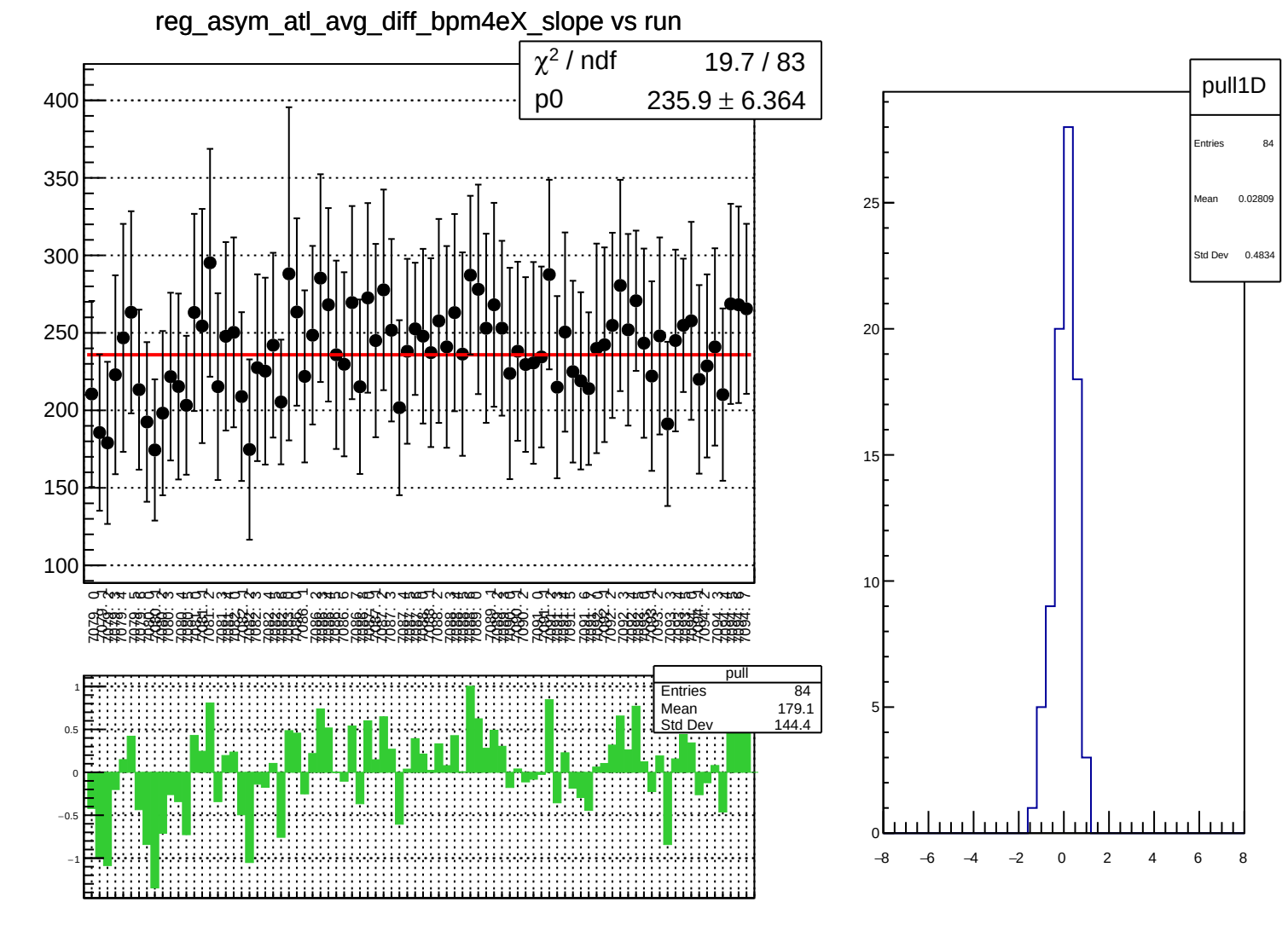

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 179.5 / 83
p0 −261 ± 0.4201
−245
−250
−255
−260
−265
−270
−275
pull
Entries 84
Mean −759.5
Std Dev 793.8
3
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.03138
Std Dev 1.462
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

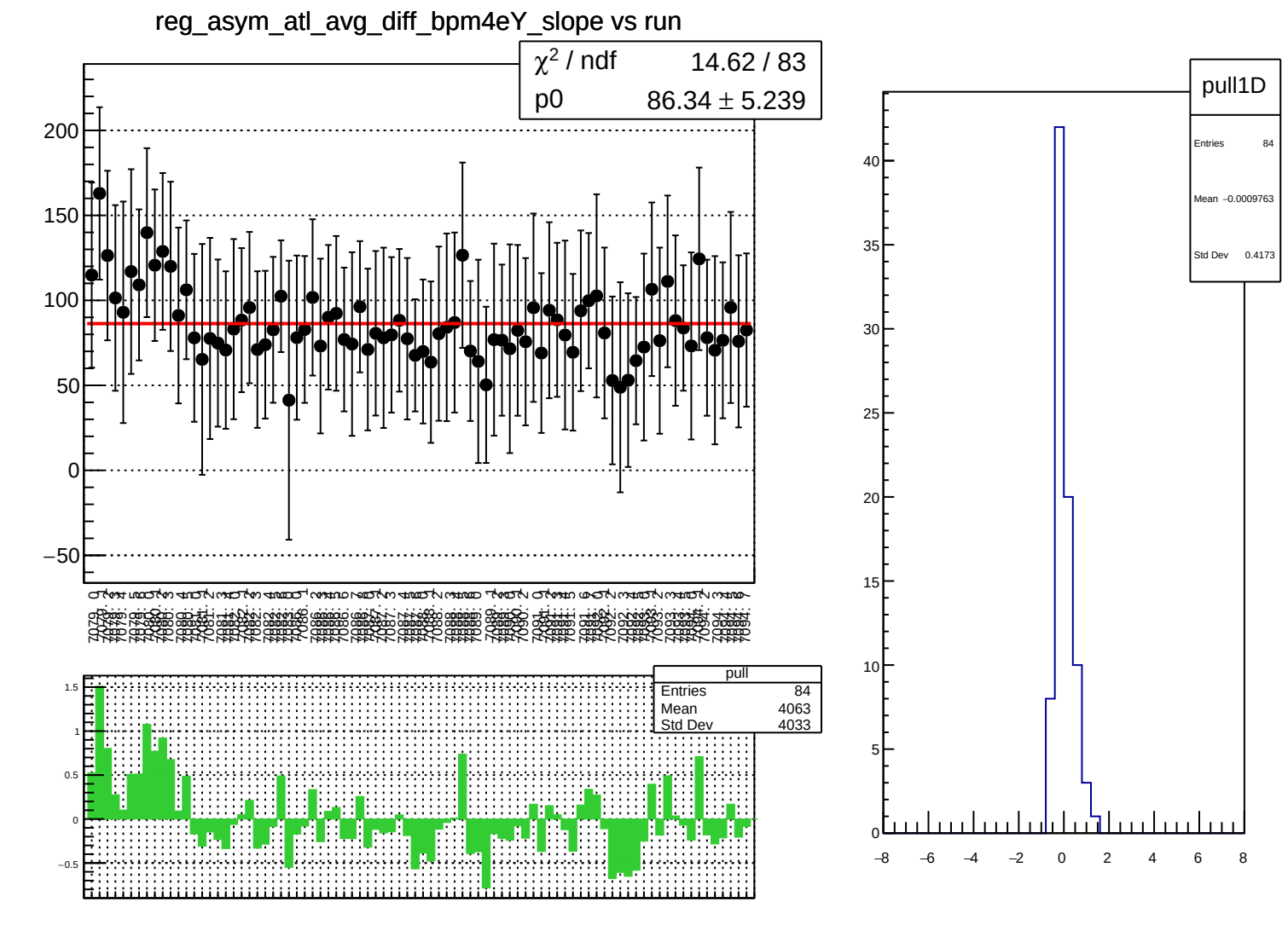

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 19.56 / 83
p0 −259.5 ± 6.596
pull
Entries 84
Mean 187.4
Std Dev 152.8

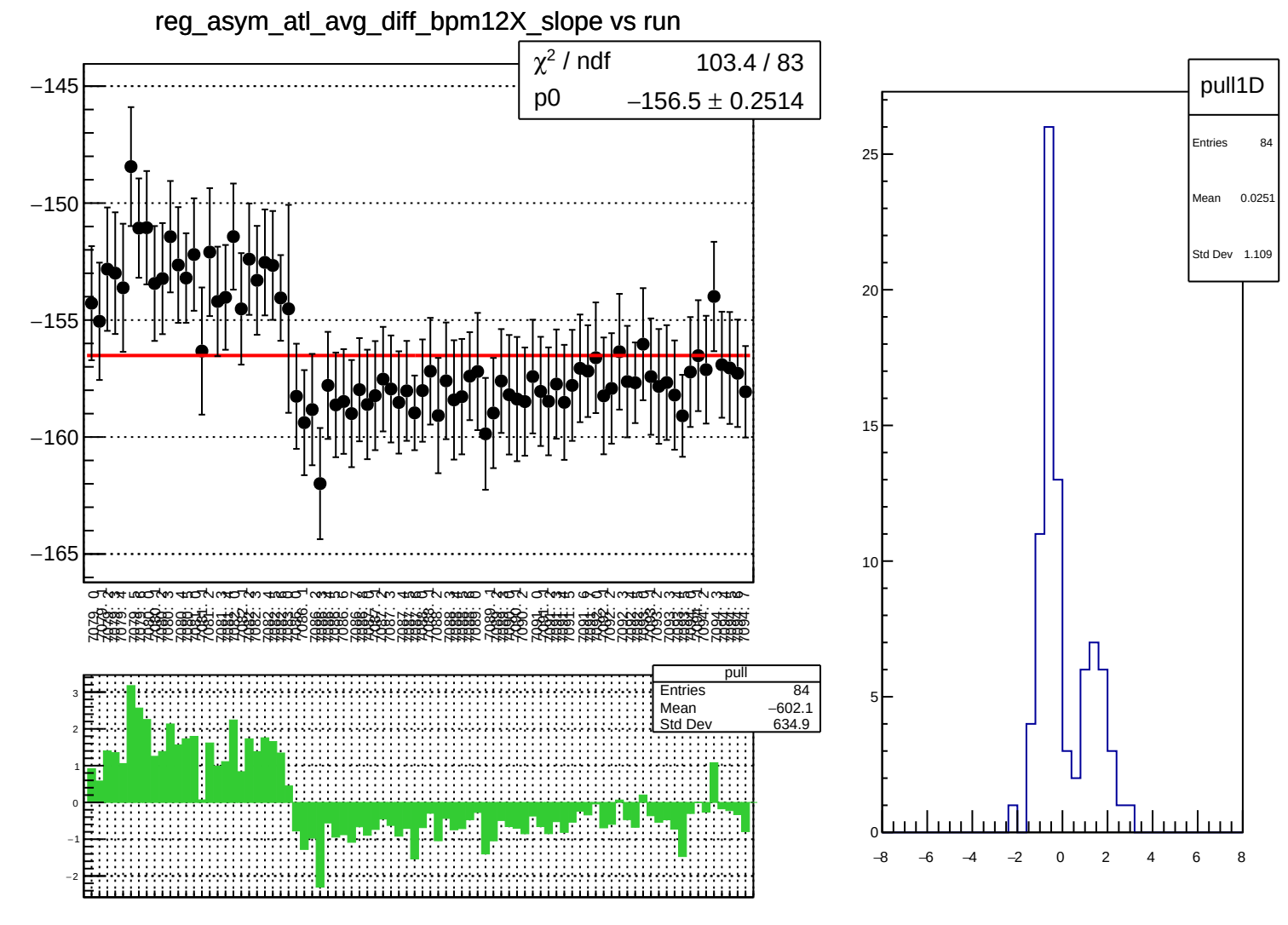

pull1D
Entries 84
Mean −0.02758
Std Dev 0.4818

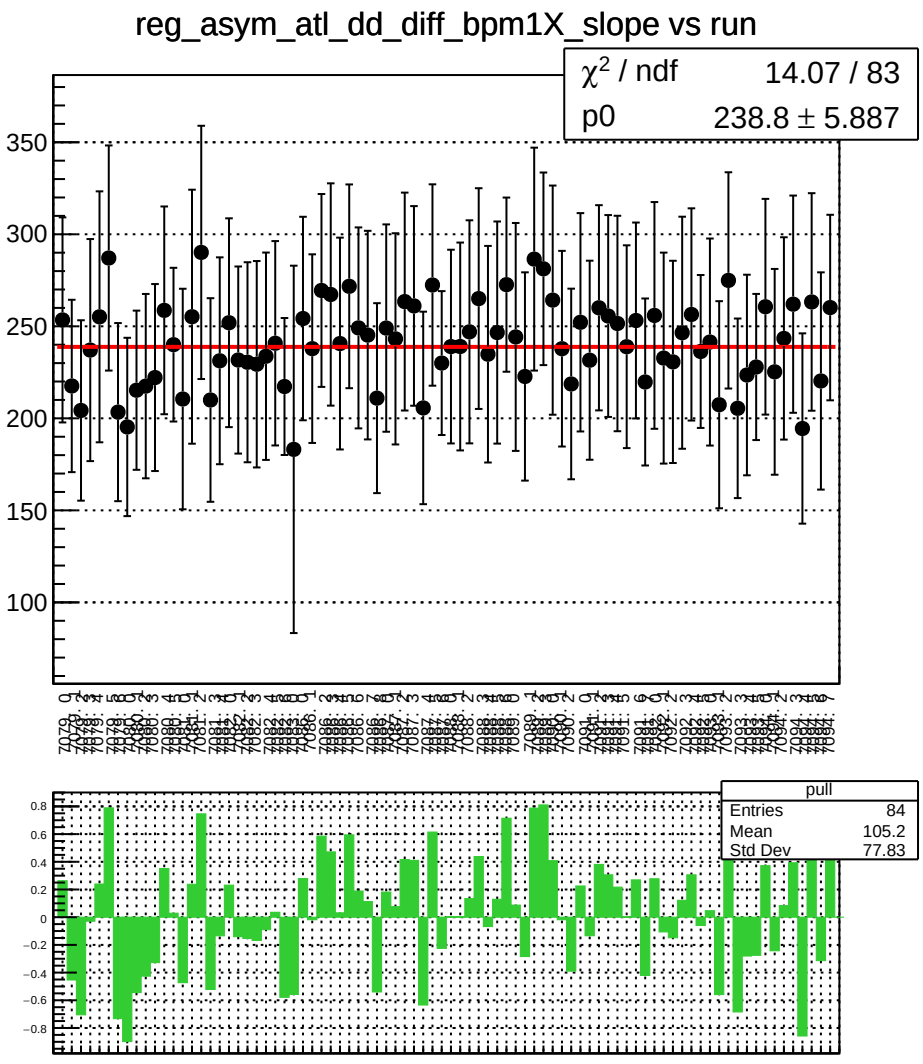

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.65 / 83
p0 −5.511 ± 4.982
100
50
0
−50
−100
pull
Entries 84
Mean −5582
Std Dev 5611
0.5
0
−0.5
−1
−1.5

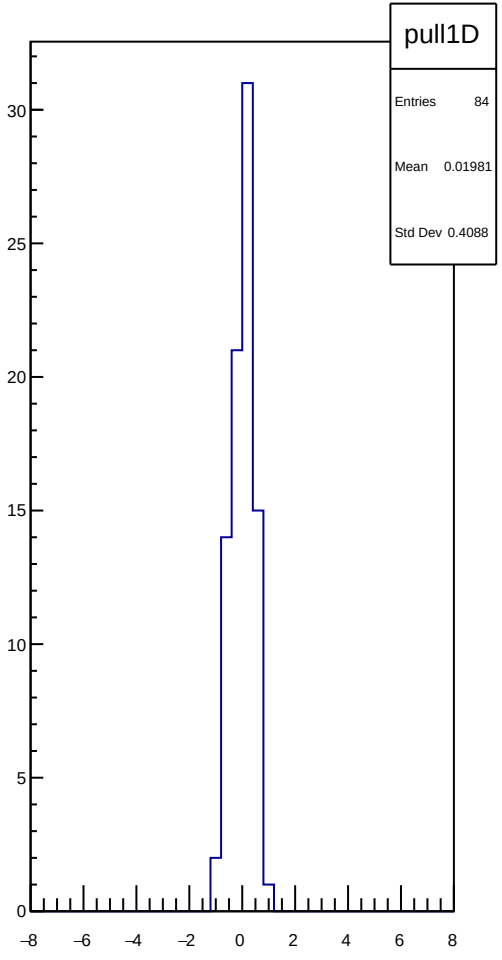

pull1D
Entries 84
Mean −0.0006002
Std Dev 0.3881
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

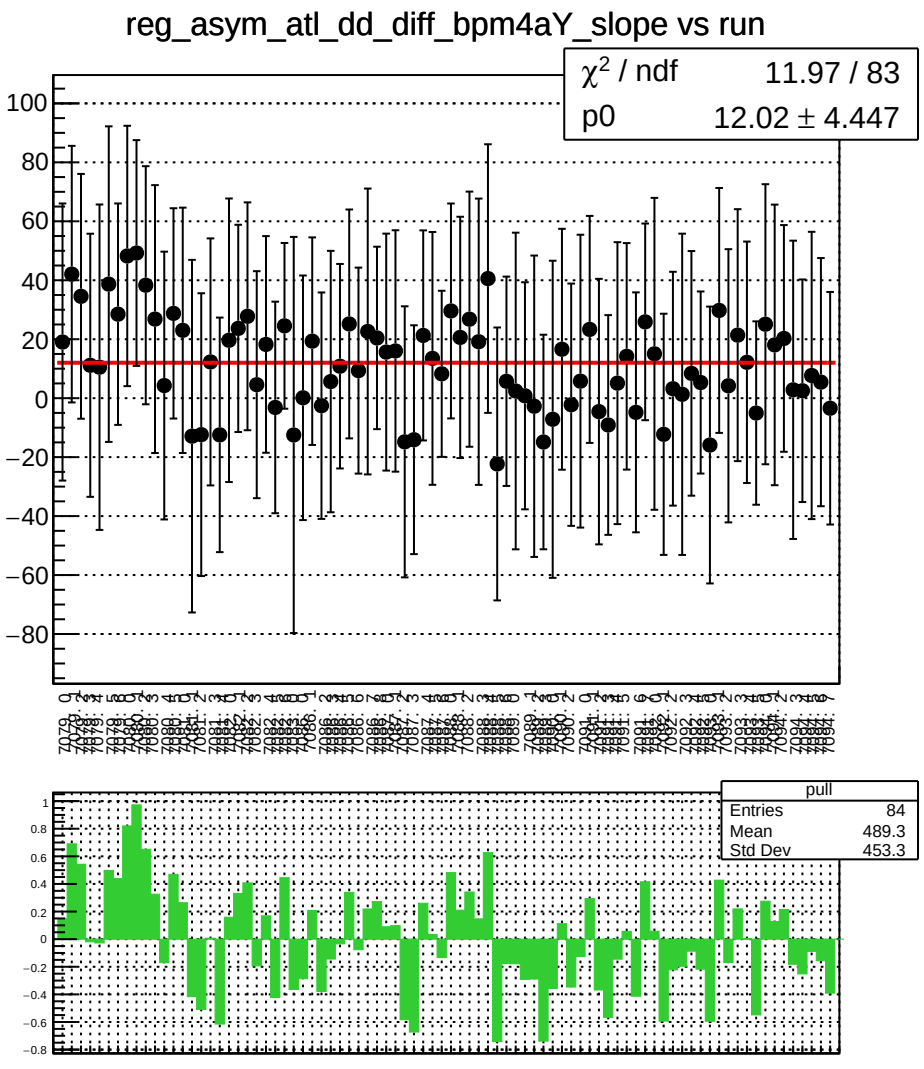

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.7 / 83
p0 235.9 ± 6.364
pull
Entries 84
Mean 179.1
Std Dev 144.4
pull1D
Entries 84
Mean 0.02809
Std Dev 0.4834

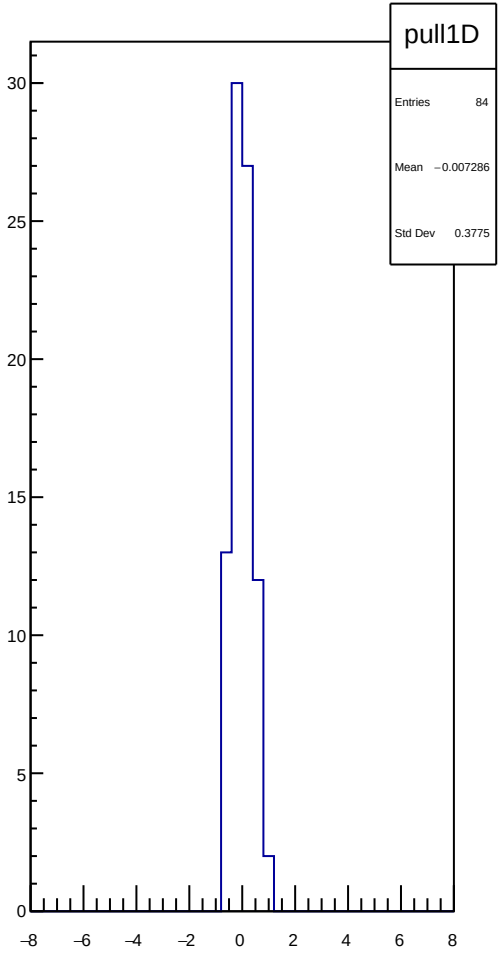

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.62 / 83
p0 86.34 ± 5.239
pull
Entries 84
Mean 4063
Std Dev 4033
pull1D
Entries 84
Mean −0.0009763
Std Dev 0.4173

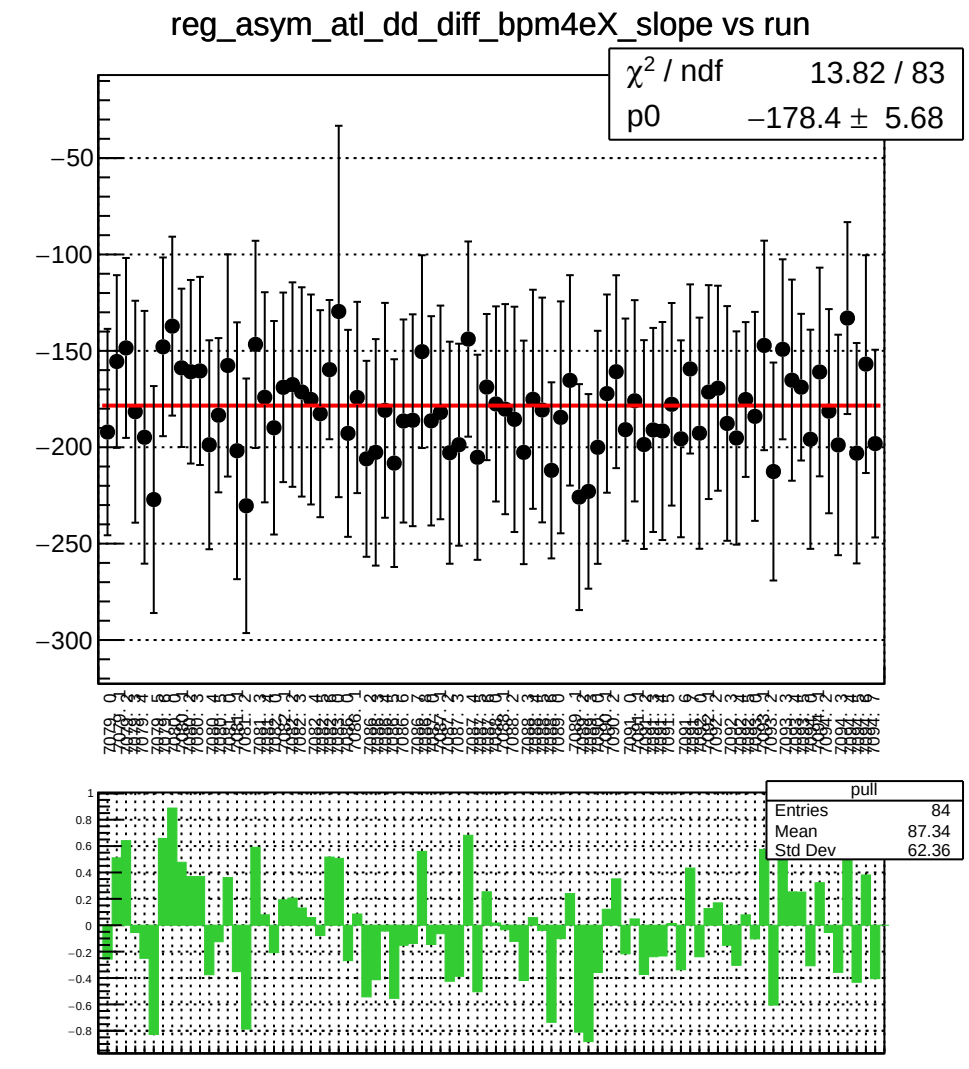

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 103.4 / 83
p0 −156.5 ± 0.2514
−145
−150
−155
−160
−165
pull
Entries 84
Mean −602.1
Std Dev 634.9
pull1D
Entries 84
Mean 0.0251
Std Dev 1.109

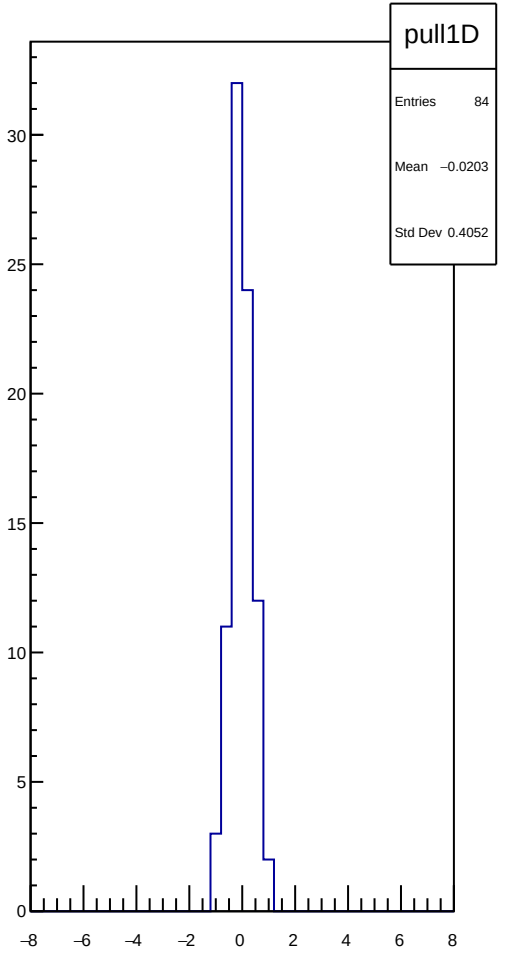

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 14.07 / 83
p0 238.8 ± 5.887
pull
Entries 84
Mean 105.2
Std Dev 77.83

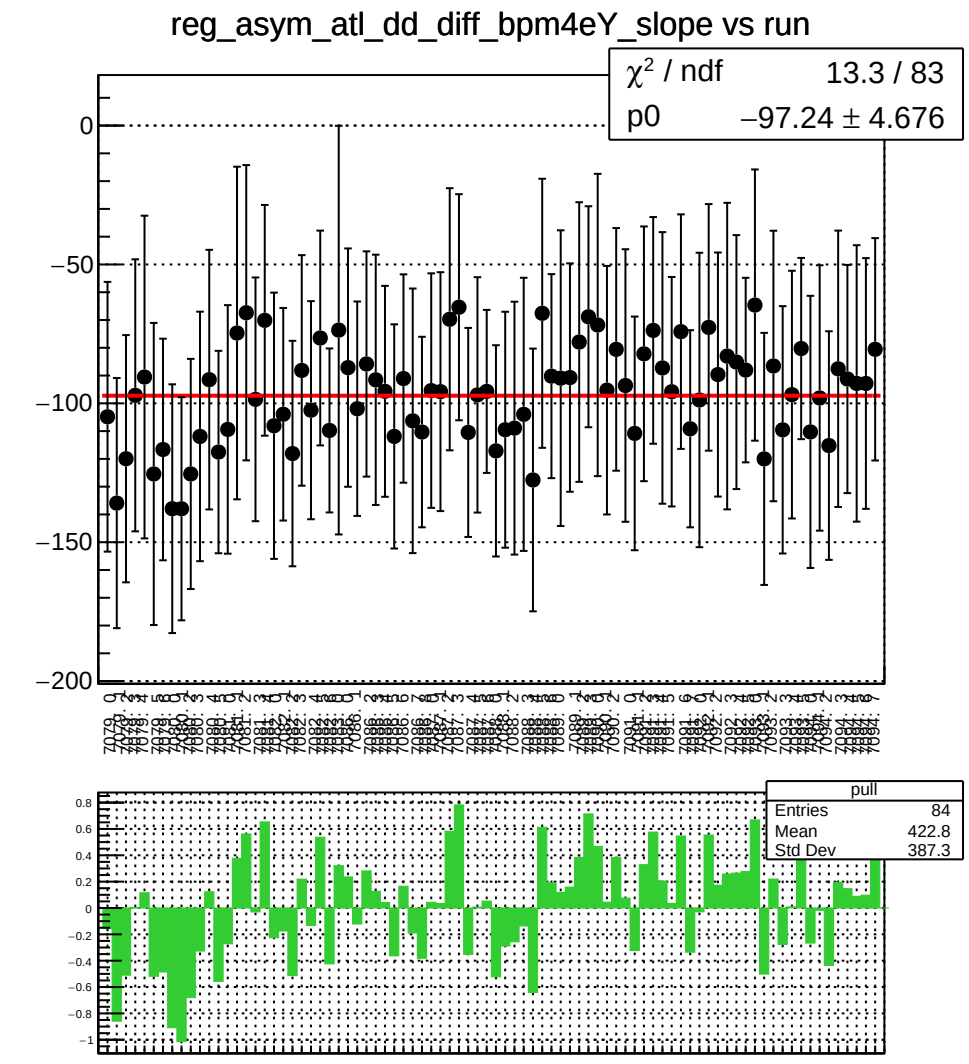

pull1D
Entries 84
Mean 0.01981
Std Dev 0.4088

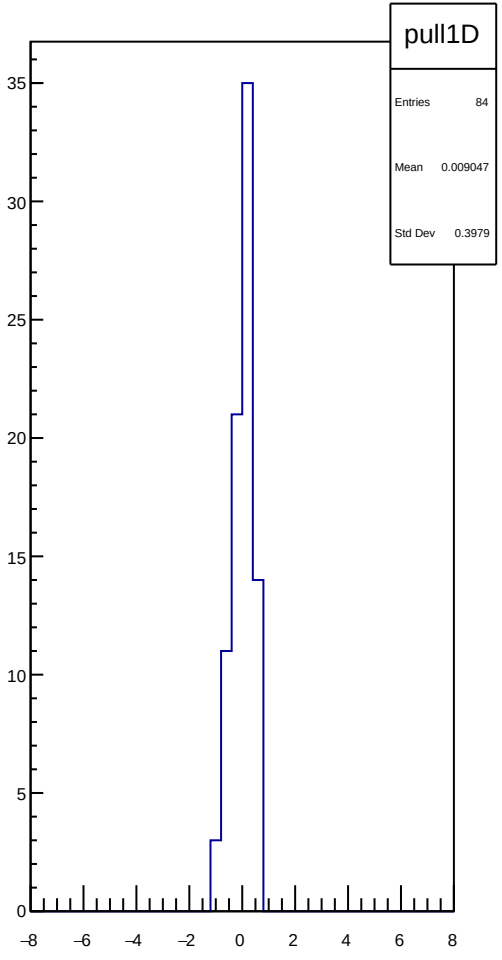

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.97 / 83
p0 12.02 ± 4.447
pull
Entries 84
Mean 489.3
Std Dev 453.3

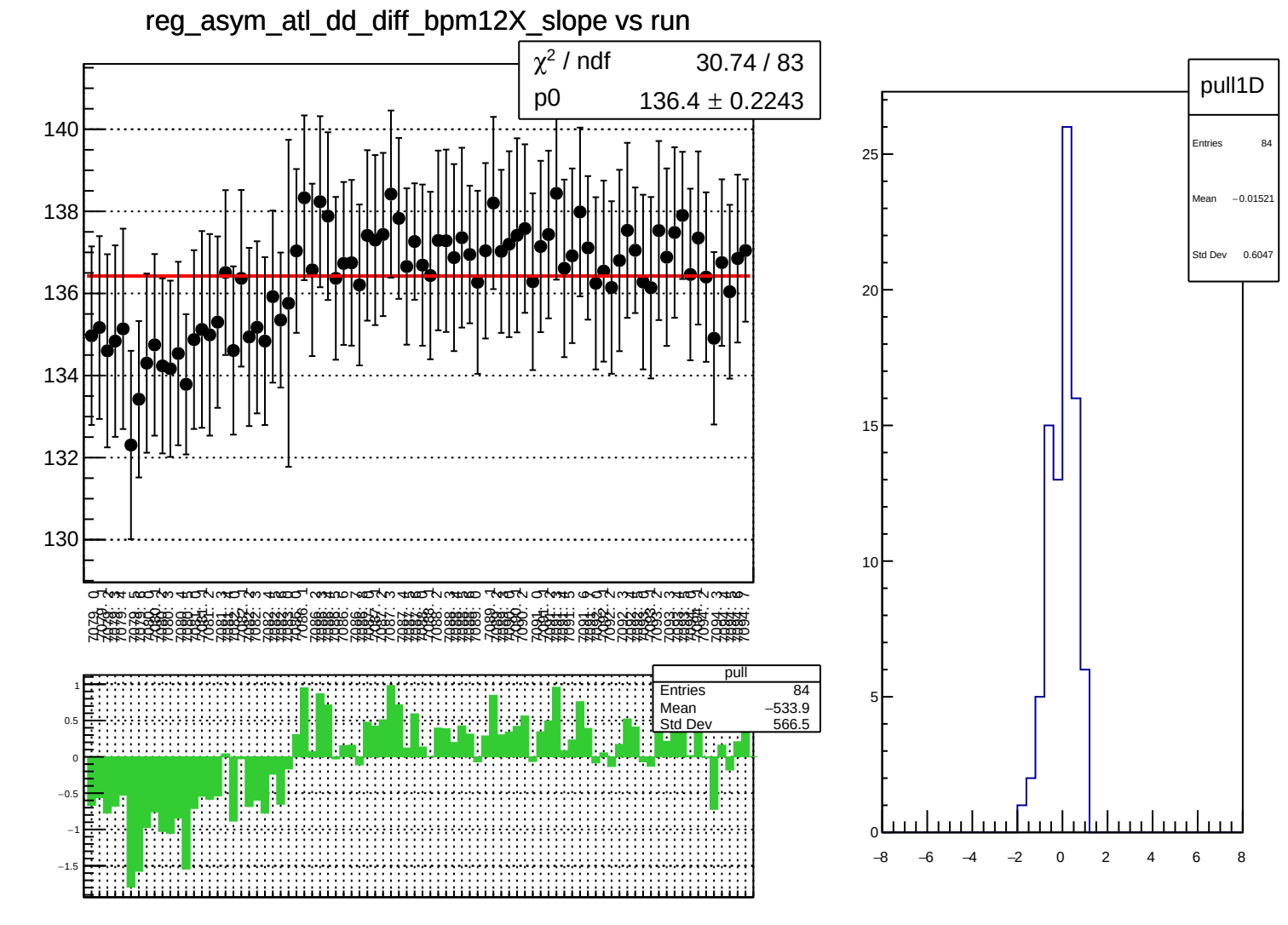

pull1D
Entries 84
Mean −0.007286
Std Dev 0.3775

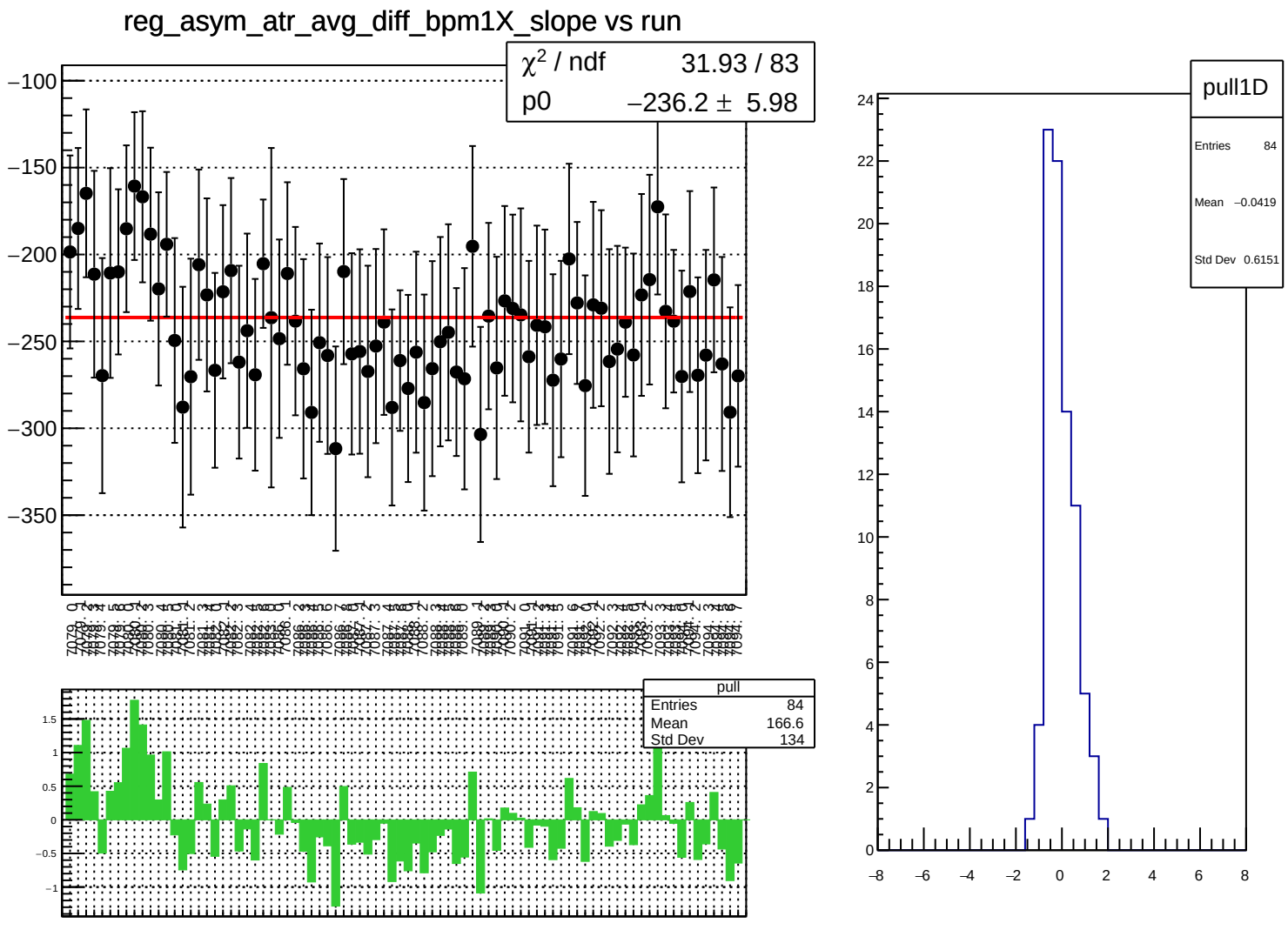

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.82 / 83
p0 −178.4 ± 5.68
−50
−100
−150
−200
−250
−300
pull
Entries 84
Mean 87.34
Std Dev 62.36
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

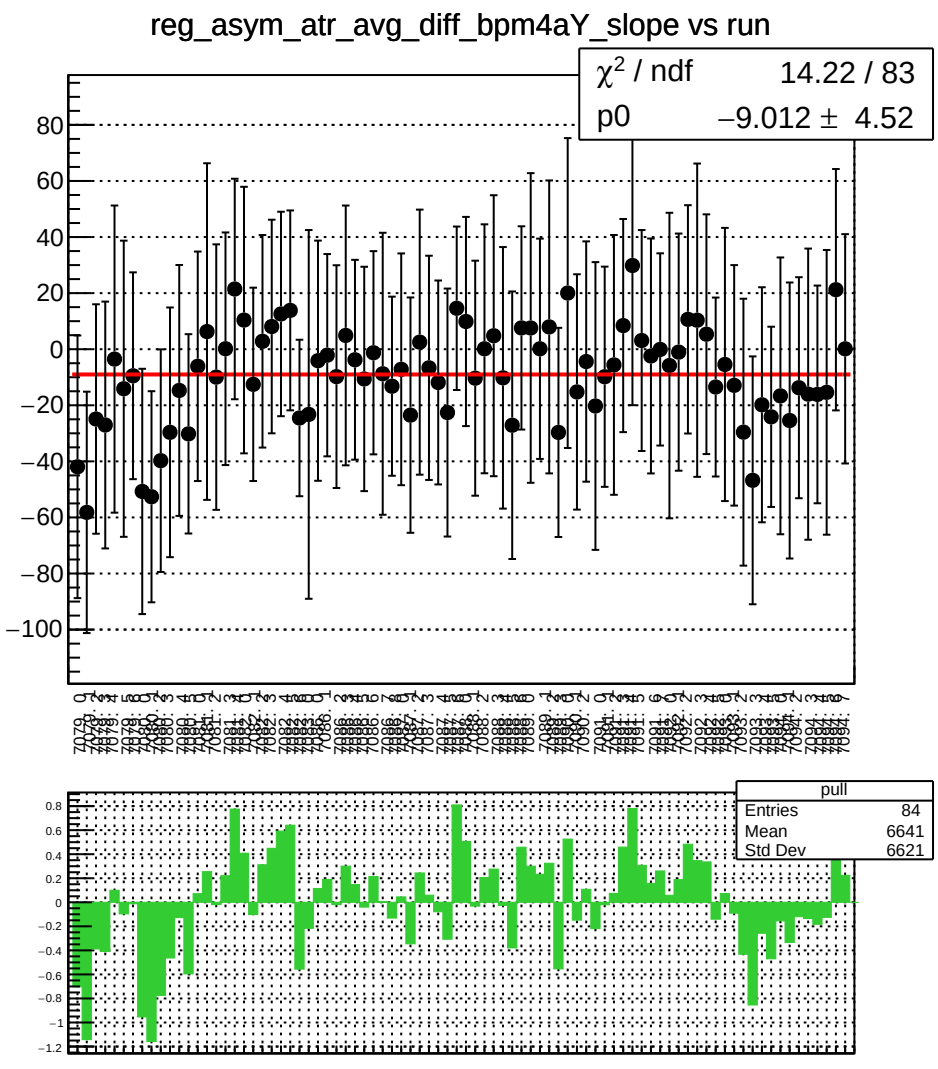

pull1D
Entries 84
Mean −0.0203
Std Dev 0.4052
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

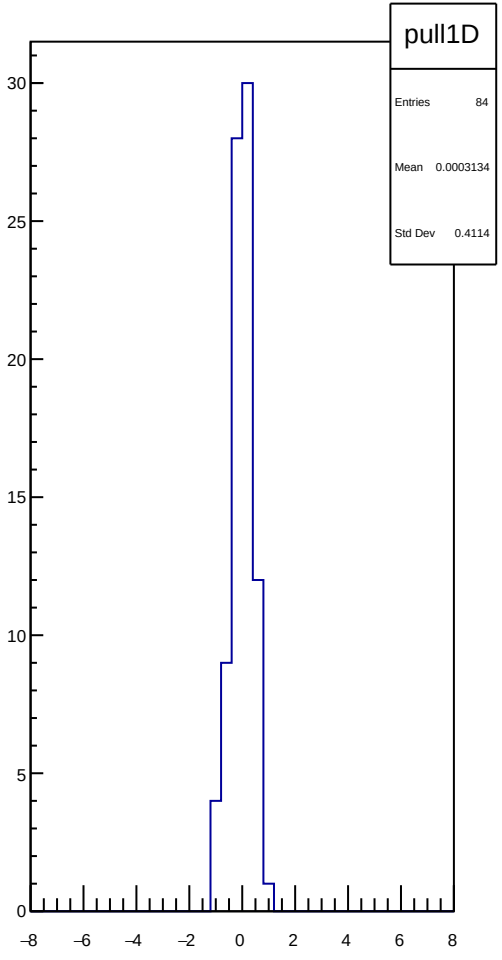

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.3 / 83
p0 −97.24 ± 4.676
pull
Entries 84
Mean 422.8
Std Dev 387.3

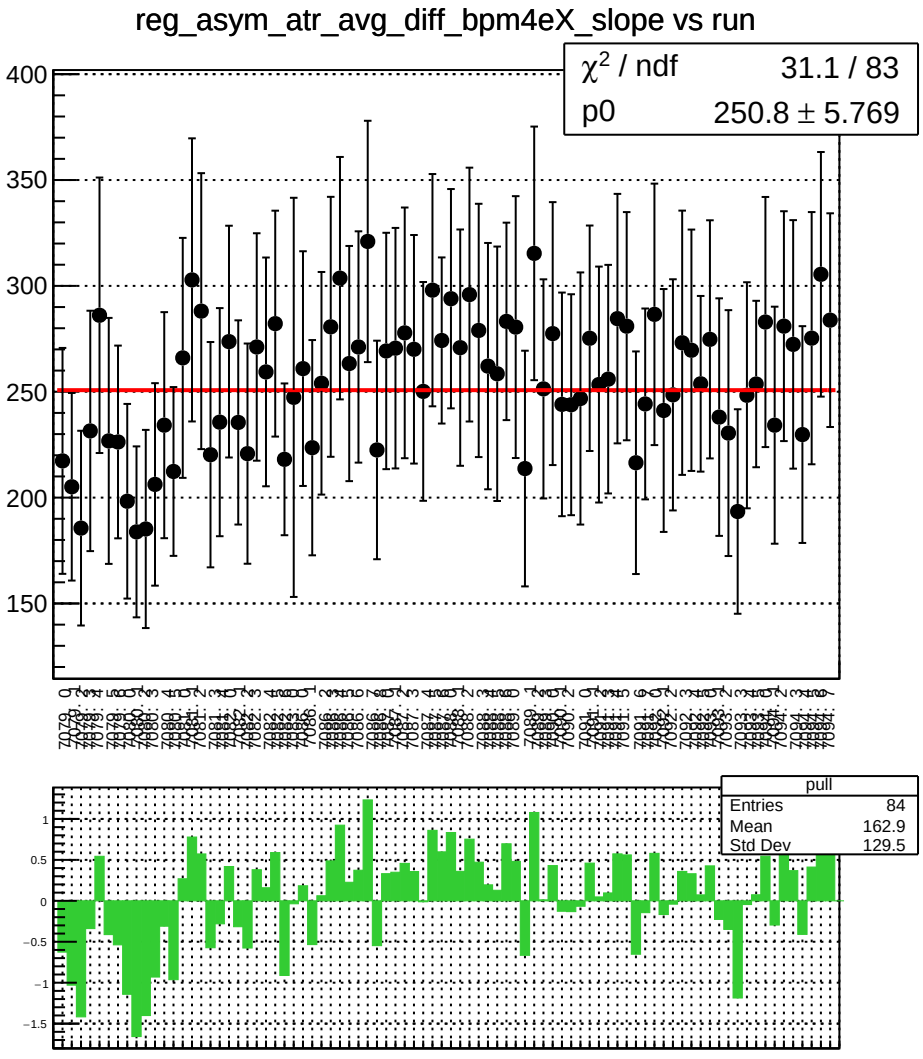

pull1D
Entries 84
Mean 0.009047
Std Dev 0.3979

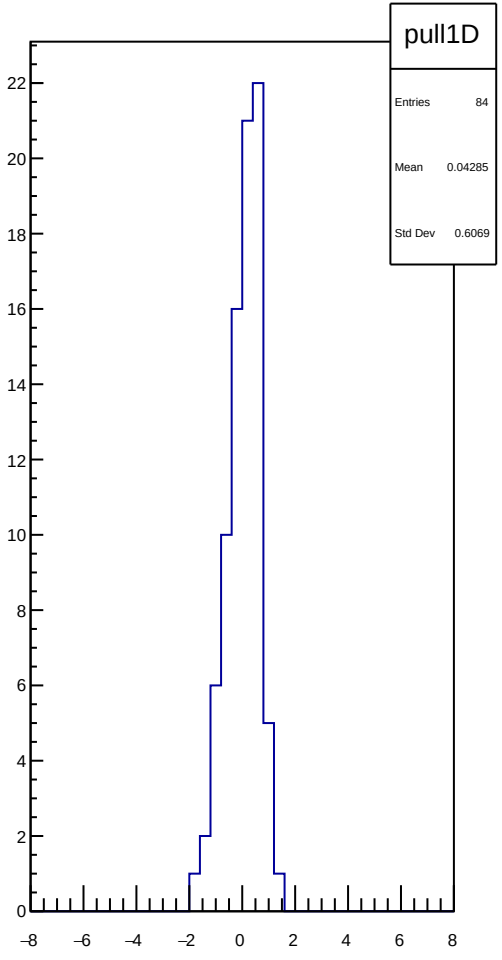

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 30.74 / 83
p0 136.4 ± 0.2243
pull
Entries 84
Mean −533.9
Std Dev 566.5
pull1D
Entries 84
Mean −0.01521
Std Dev 0.6047

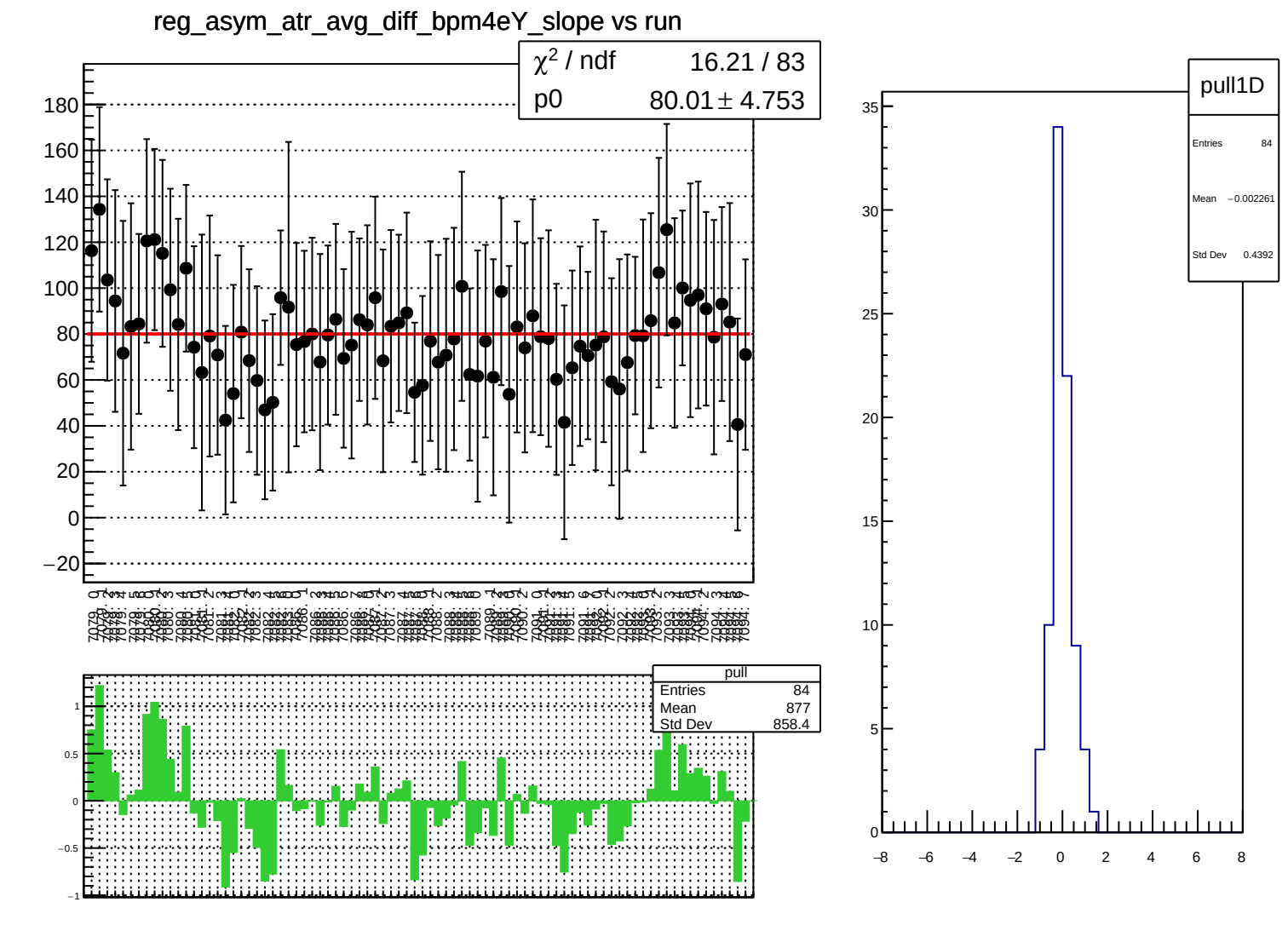

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 31.93 / 83
p0 −236.2 ± 5.98
−100
−150
−200
−250
−300
−350
pull
Entries 84
Mean 166.6
Std Dev 134
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean −0.0419
Std Dev 0.6151
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

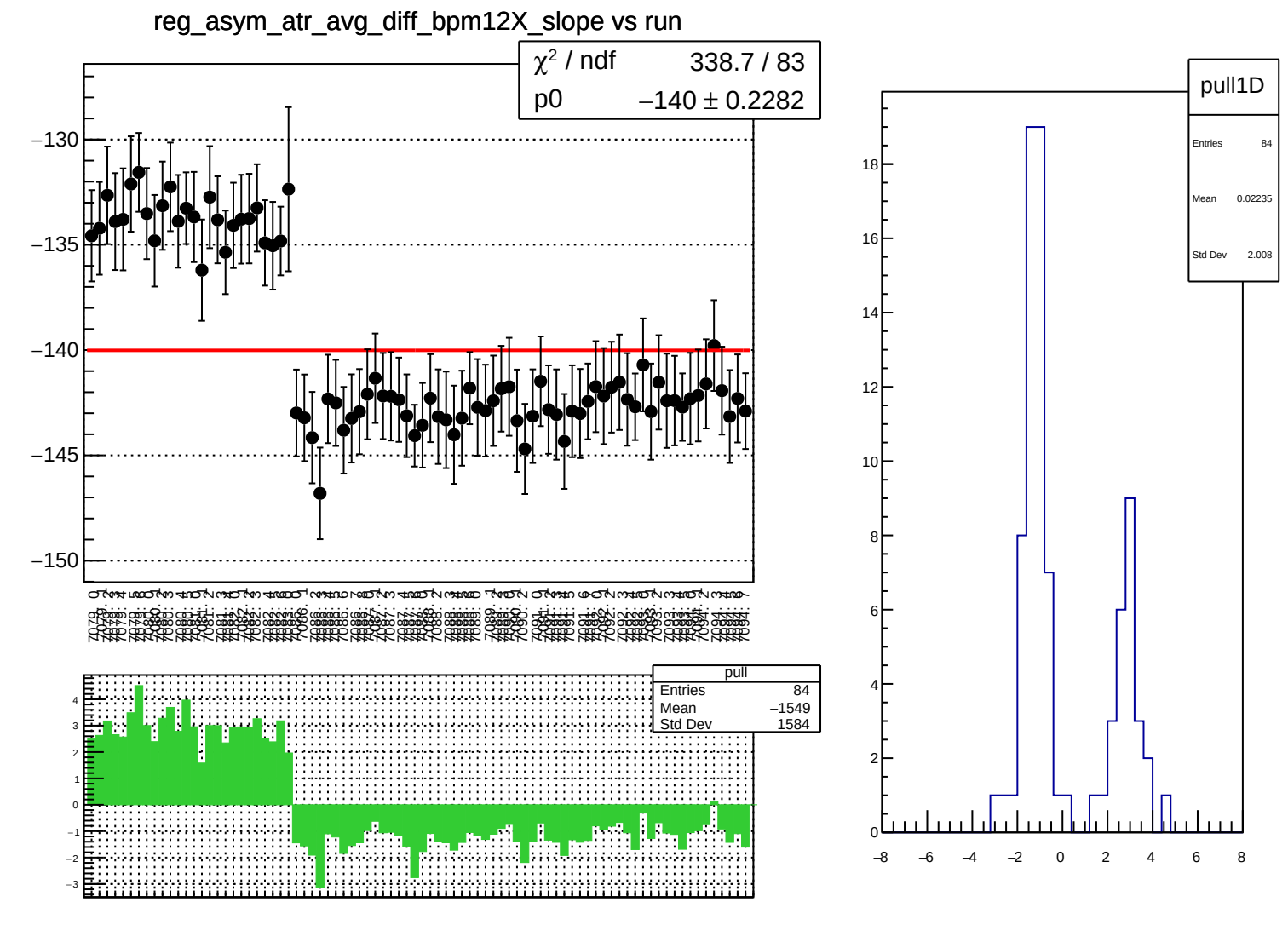

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.22 / 83
p0 −9.012 ± 4.52
pull
Entries 84
Mean 6641
Std Dev 6621

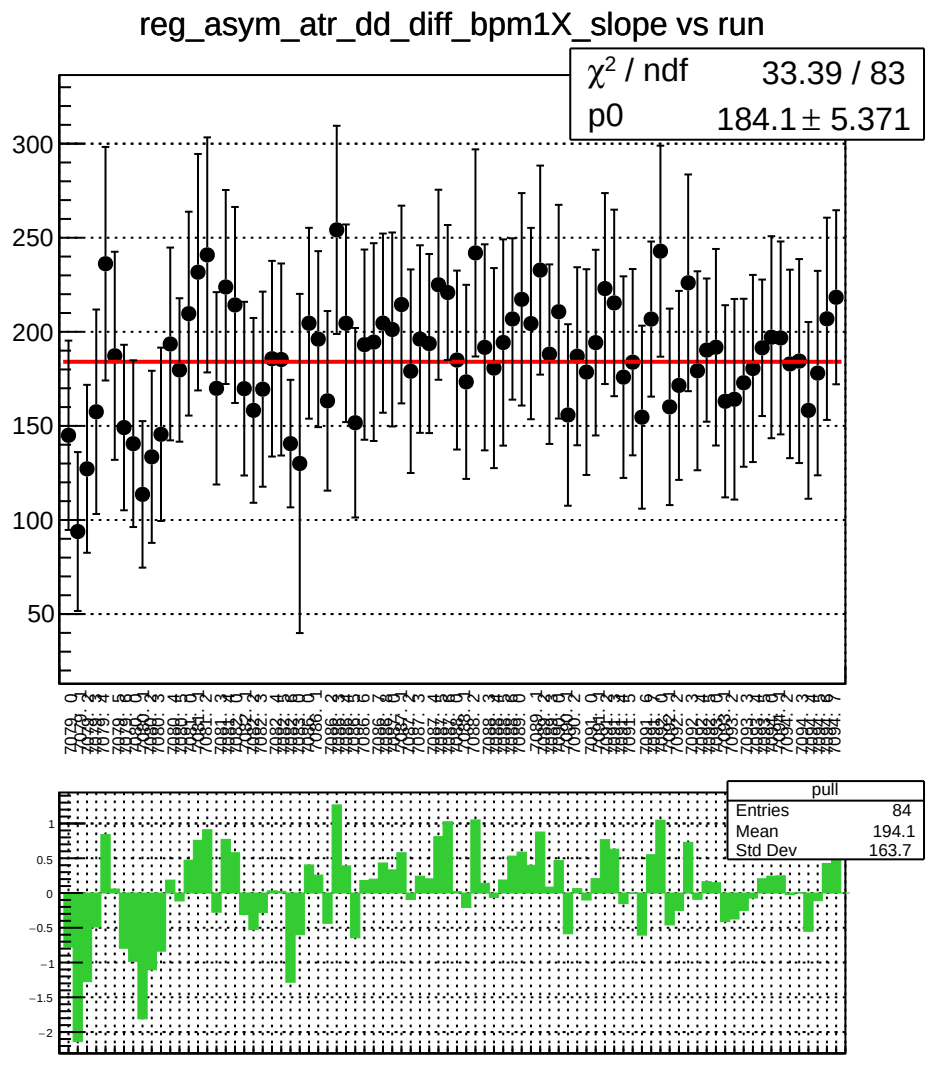

pull1D
Entries 84
Mean 0.0003134
Std Dev 0.4114

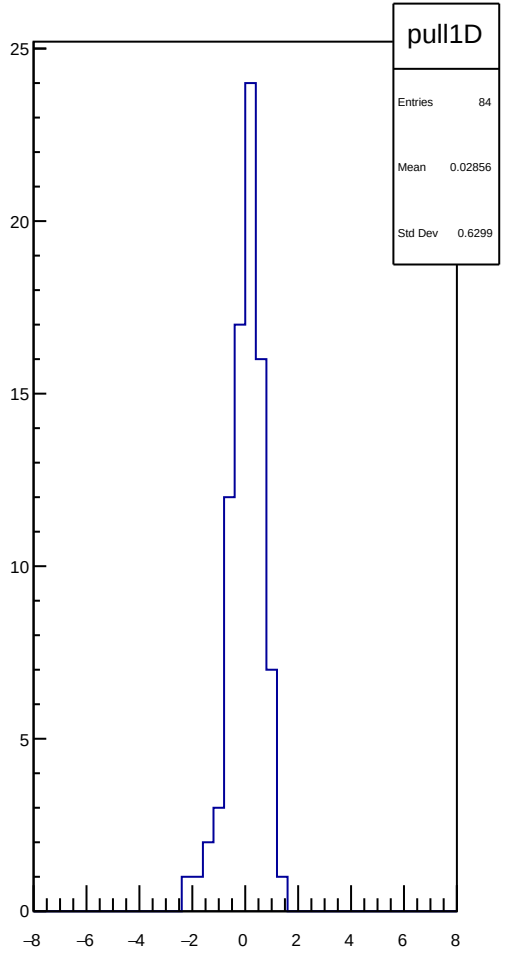

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 31.1 / 83
p0 250.8 ± 5.769
pull
Entries 84
Mean 162.9
Std Dev 129.5

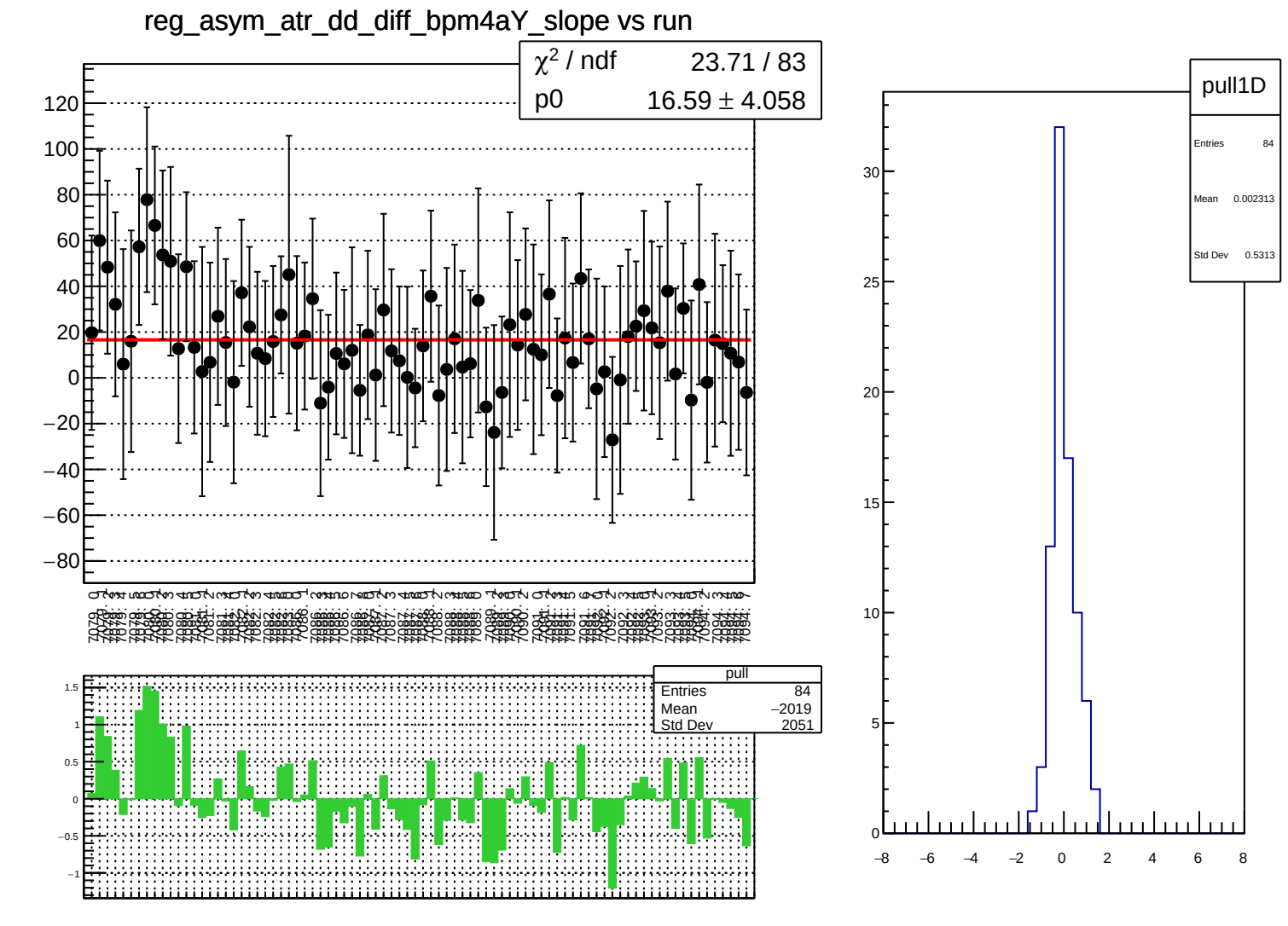

pull1D
Entries 84
Mean 0.04285
Std Dev 0.6069

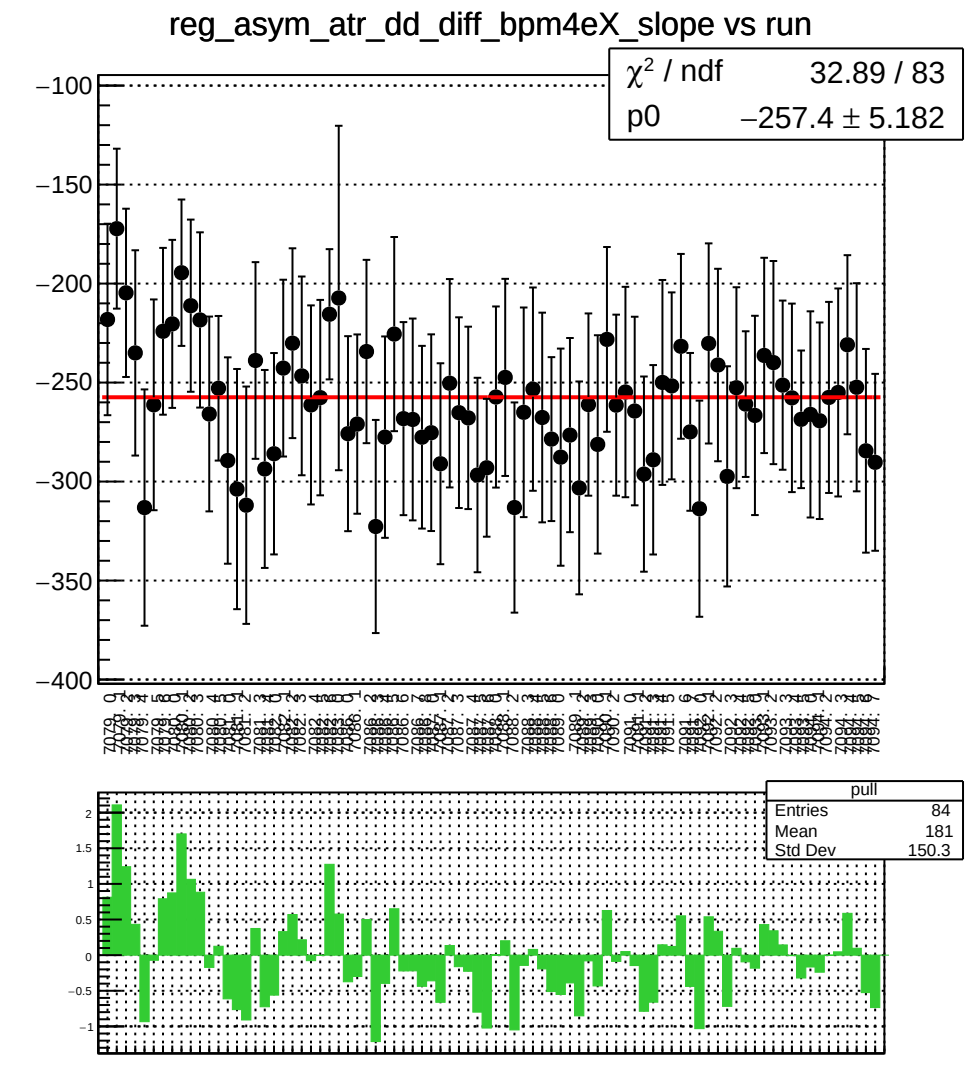

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.21 / 83
p0 80.01 ± 4.753
pull
Entries 84
Mean 877
Std Dev 858.4
pull1D
Entries 84
Mean −0.002261
Std Dev 0.4392

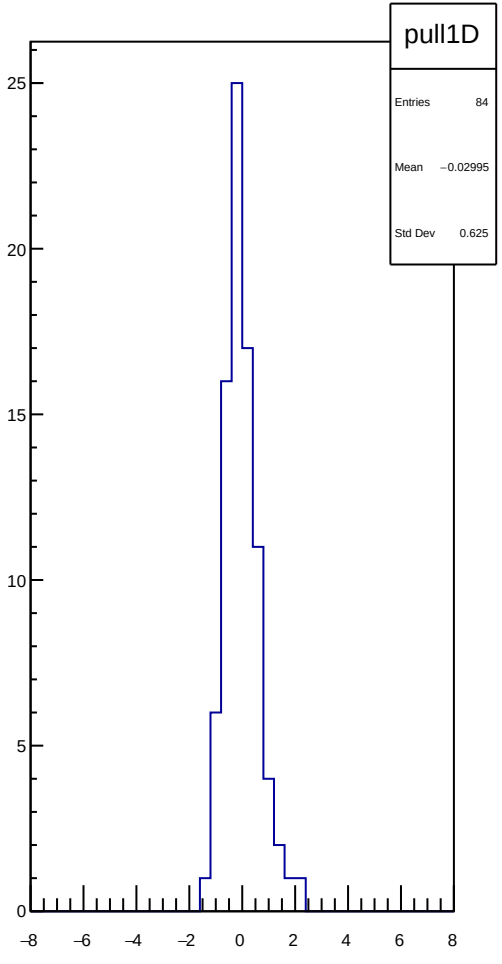

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 338.7 / 83
p0 −140 ± 0.2282
−130
−135
−140
−145
−150
pull
Entries 84
Mean −1549
Std Dev 1584
4
3
2
1
0
−1
−2
−3
pull1D
Entries 84
Mean 0.02235
Std Dev 2.008
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

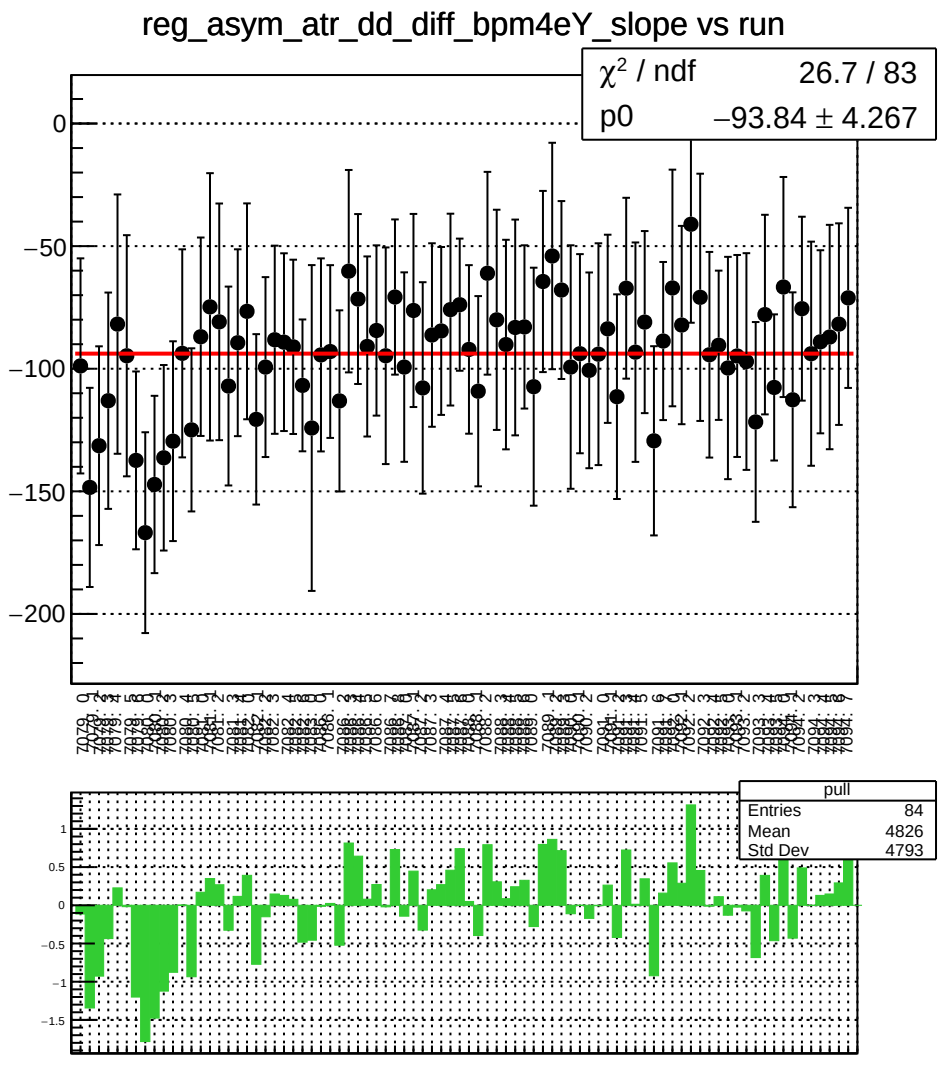

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 33.39 / 83
p0 184.1 ± 5.371
300
250
200
150
100
50
pull
Entries 84
Mean 194.1
Std Dev 163.7
1
0.5
0
−0.5
−1
−1.5
−2

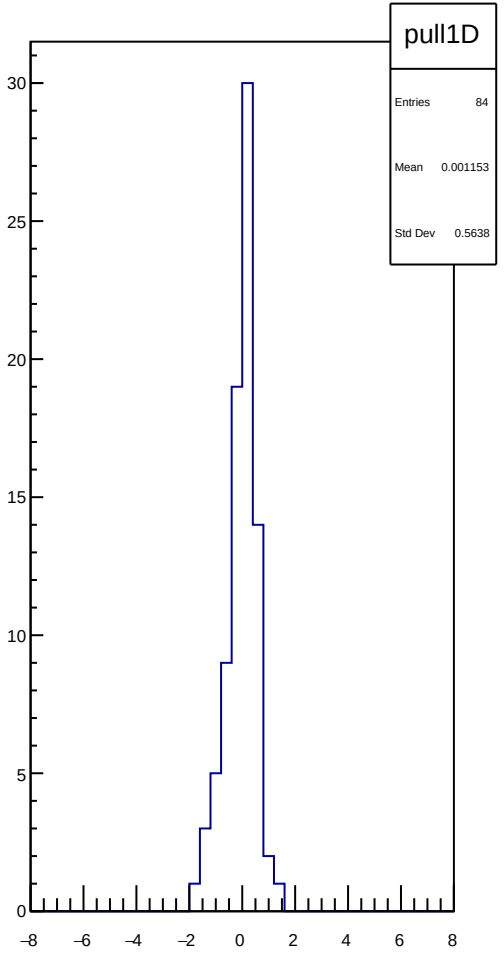

pull1D
Entries 84
Mean 0.02856
Std Dev 0.6299
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

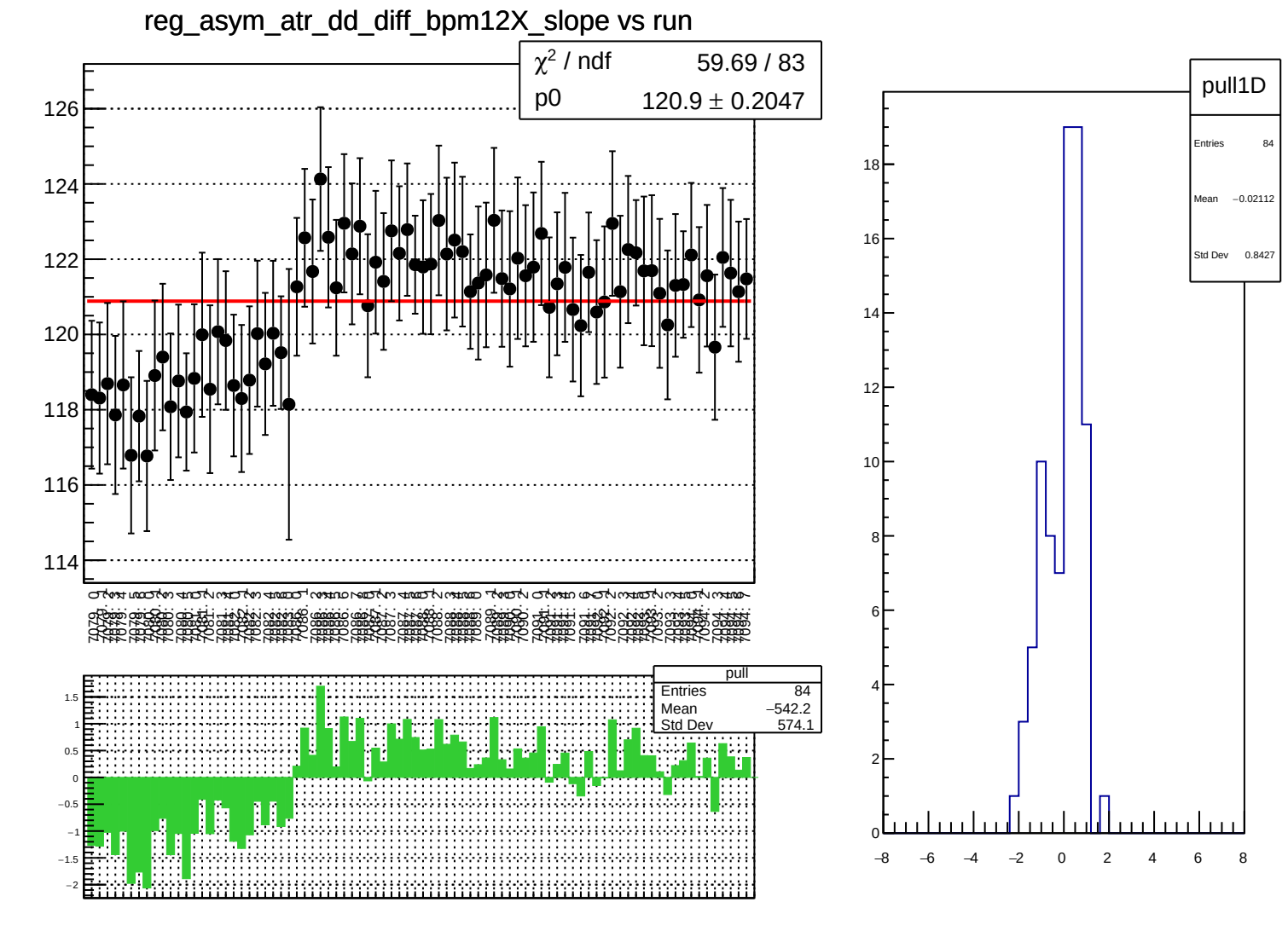

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.71 / 83
p0 16.59 ± 4.058
pull
Entries 84
Mean −2019
Std Dev 2051
pull1D
Entries 84
Mean 0.002313
Std Dev 0.5313

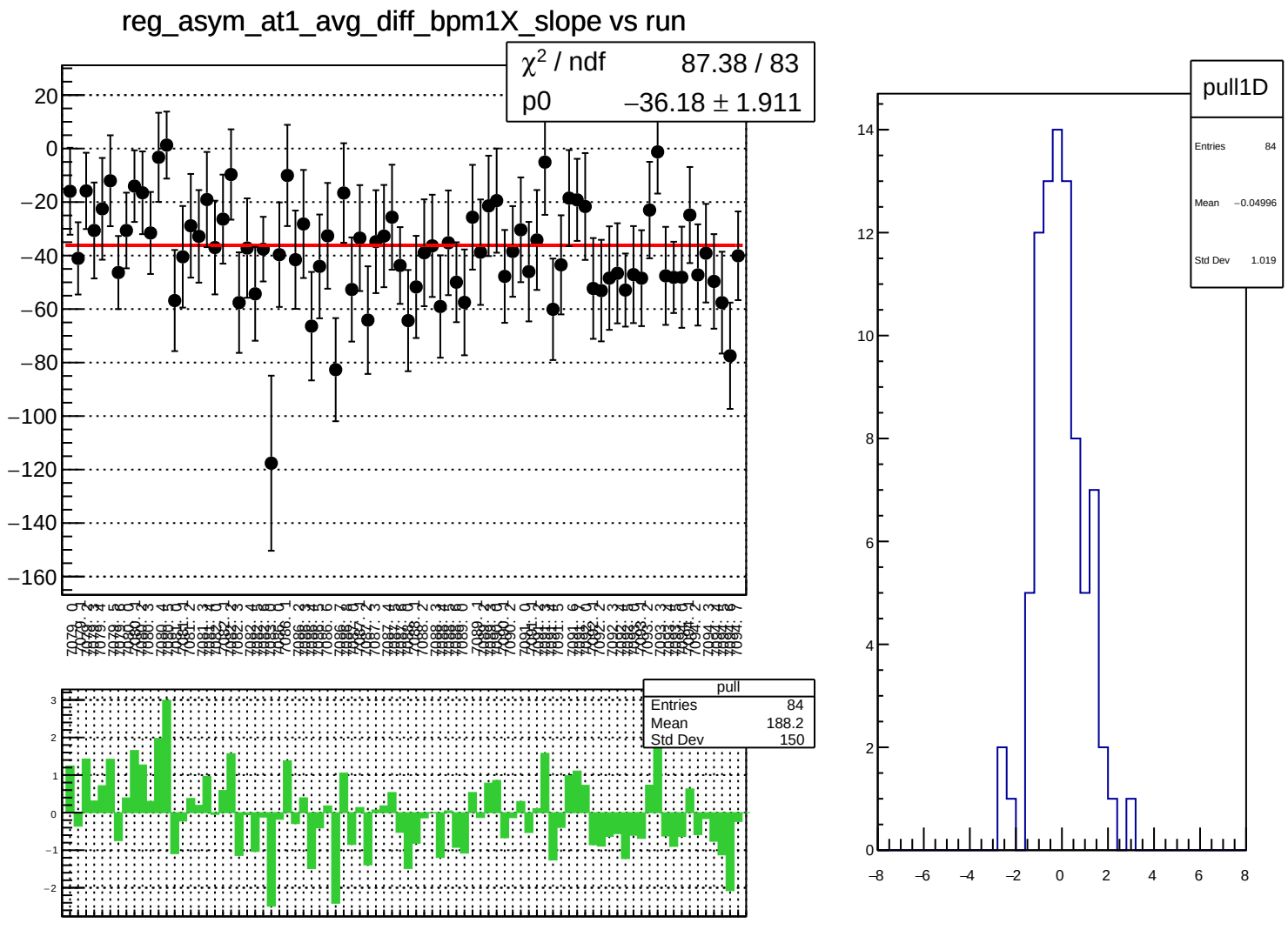

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.89 / 83
p0 −257.4 ± 5.182
pull
Entries 84
Mean 181
Std Dev 150.3

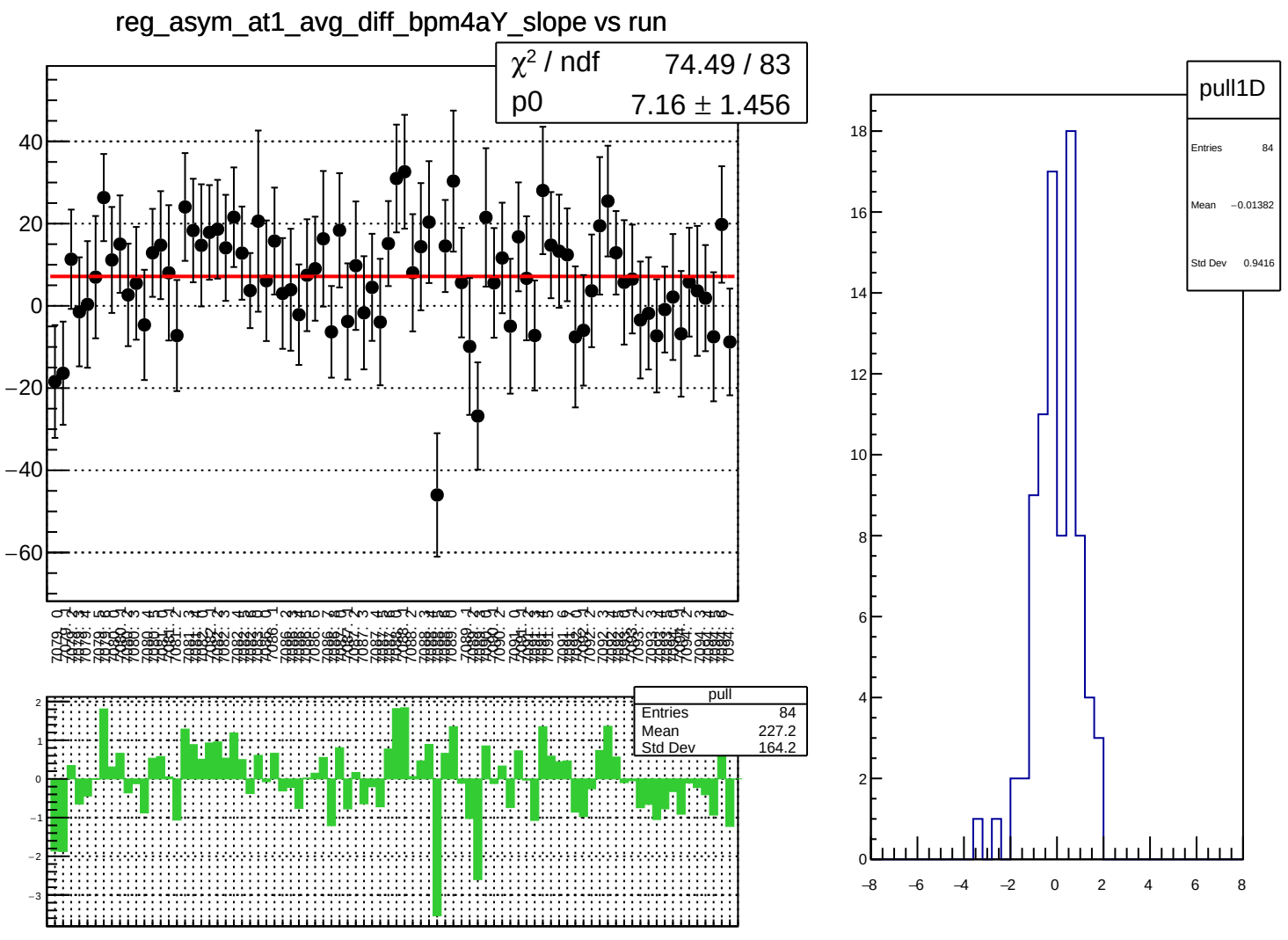

pull1D
Entries 84
Mean −0.02995
Std Dev 0.625

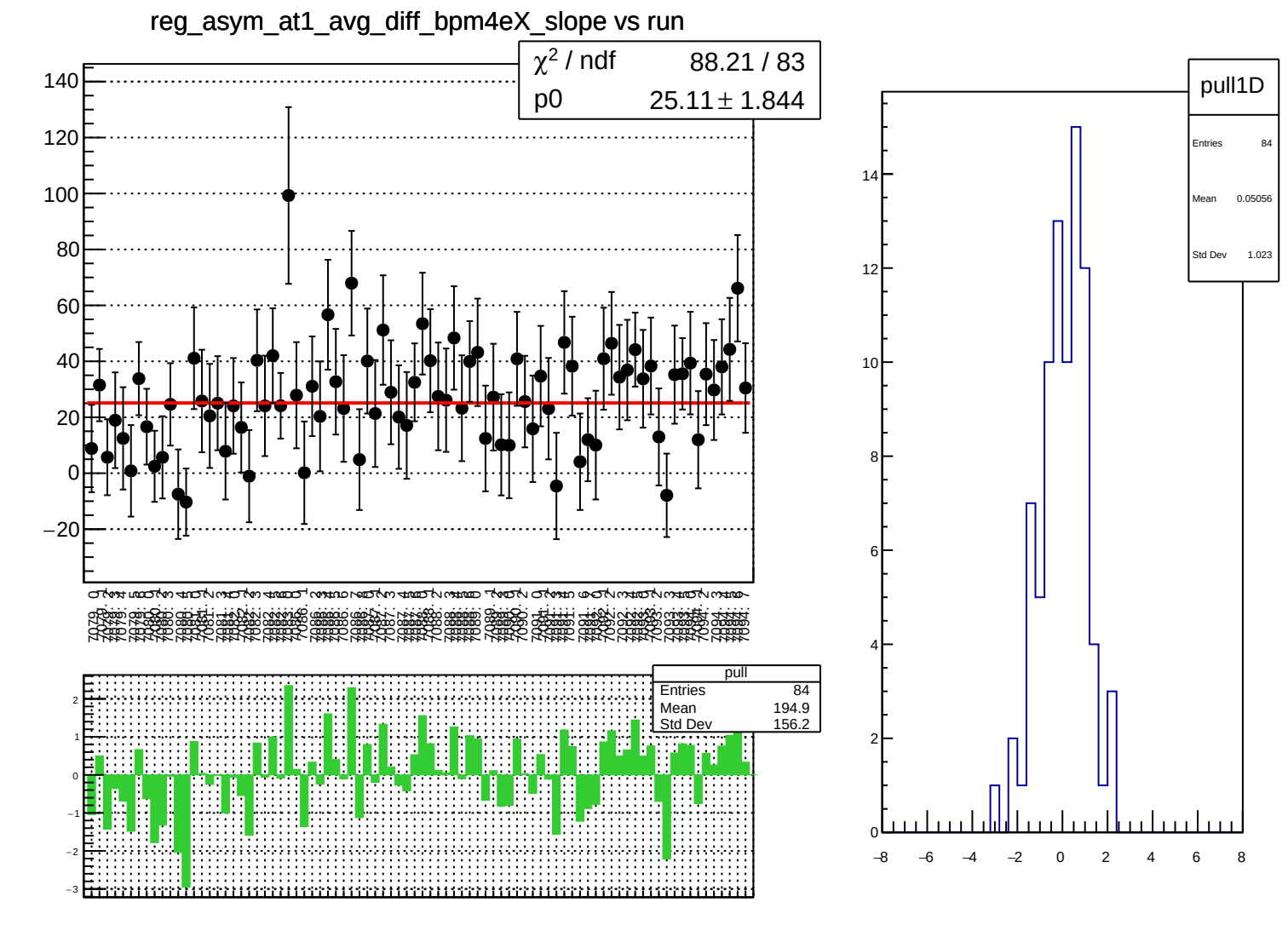

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.7 / 83
p0 −93.84 ± 4.267
pull
Entries 84
Mean 4826
Std Dev 4793

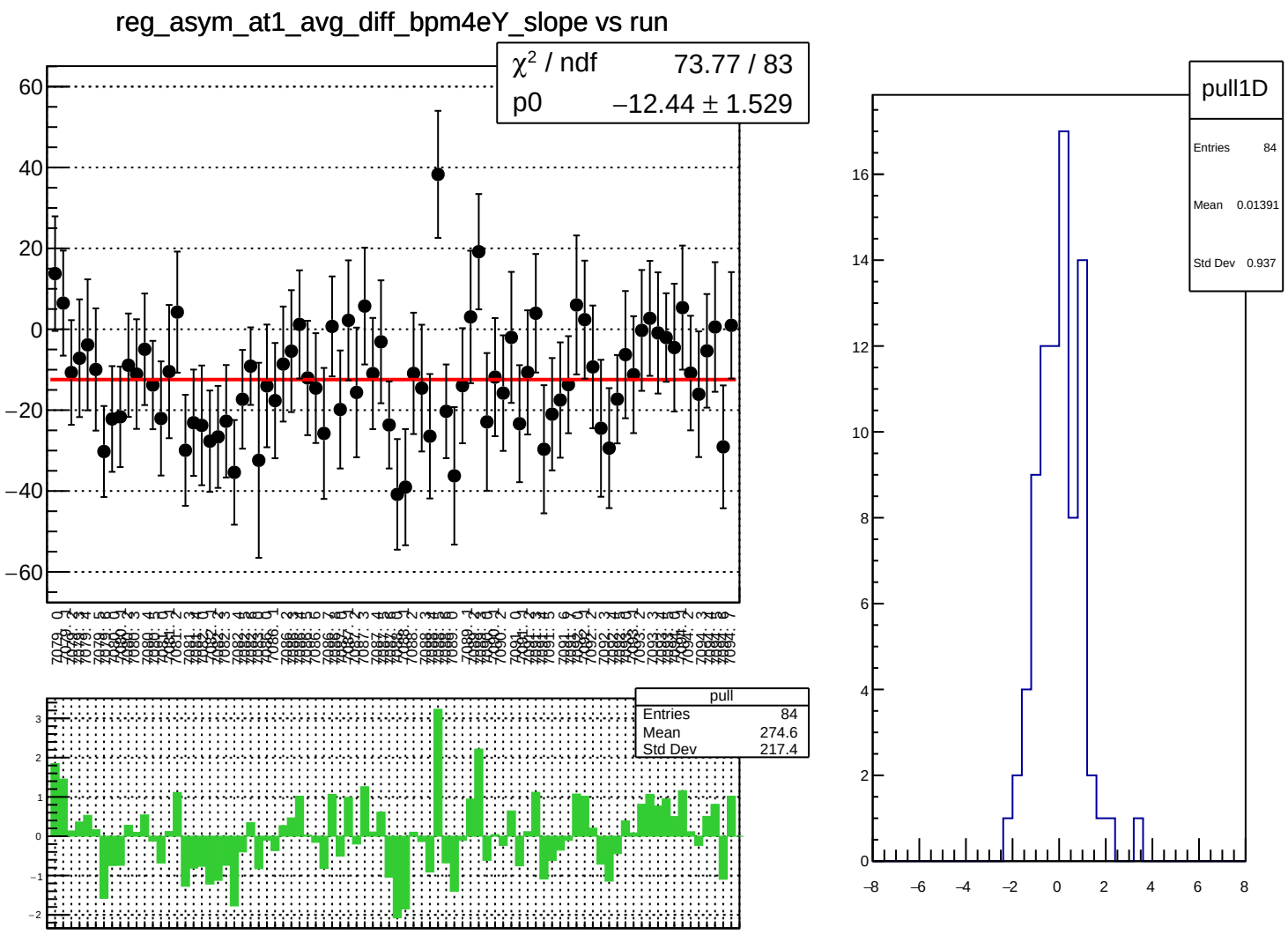

pull1D
Entries 84
Mean 0.001153
Std Dev 0.5638

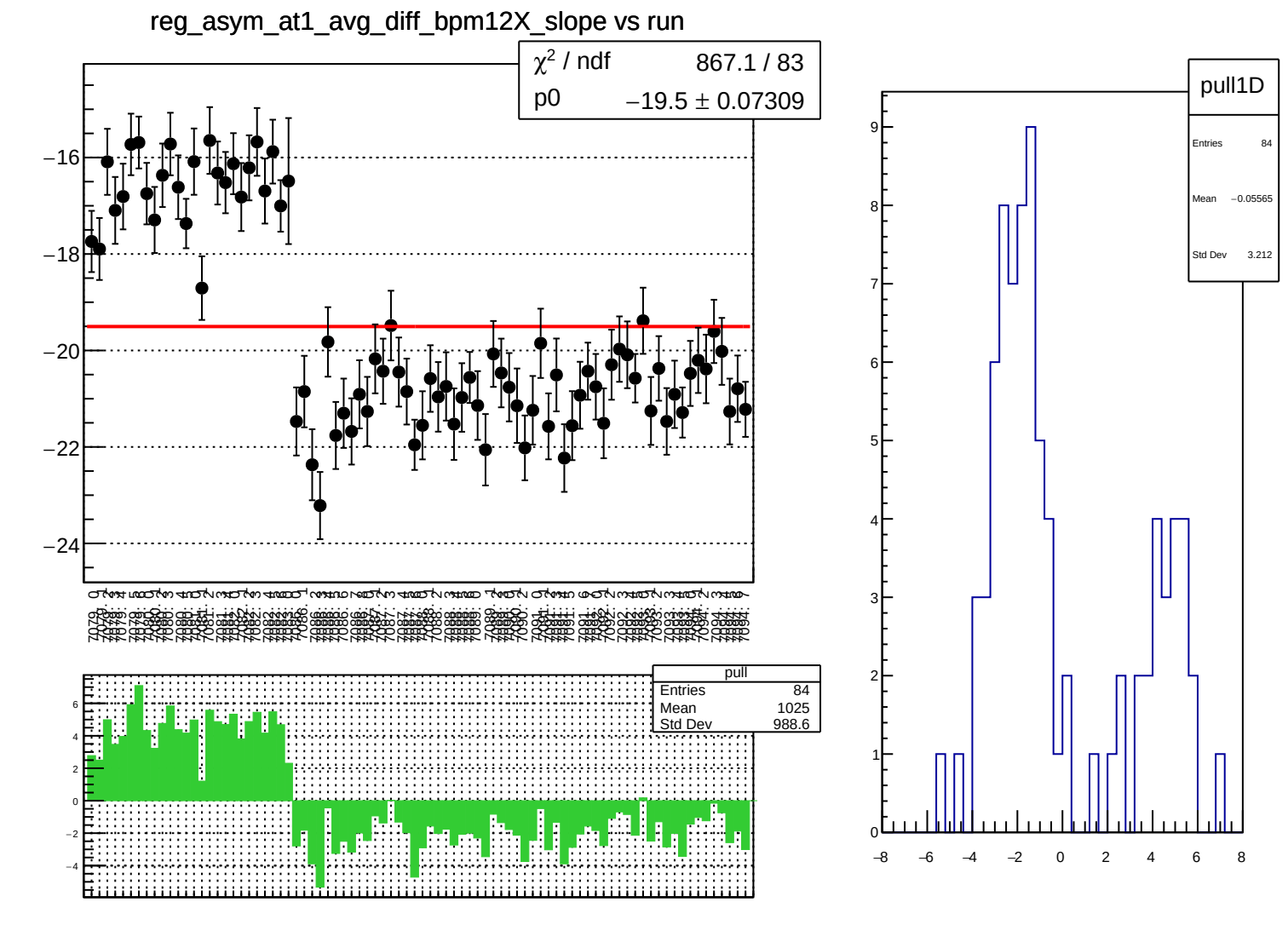

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 59.69 / 83
p0 120.9 ± 0.2047
126
124
122
120
118
116
114
pull
Entries 84
Mean −542.2
Std Dev 574.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −0.02112
Std Dev 0.8427
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

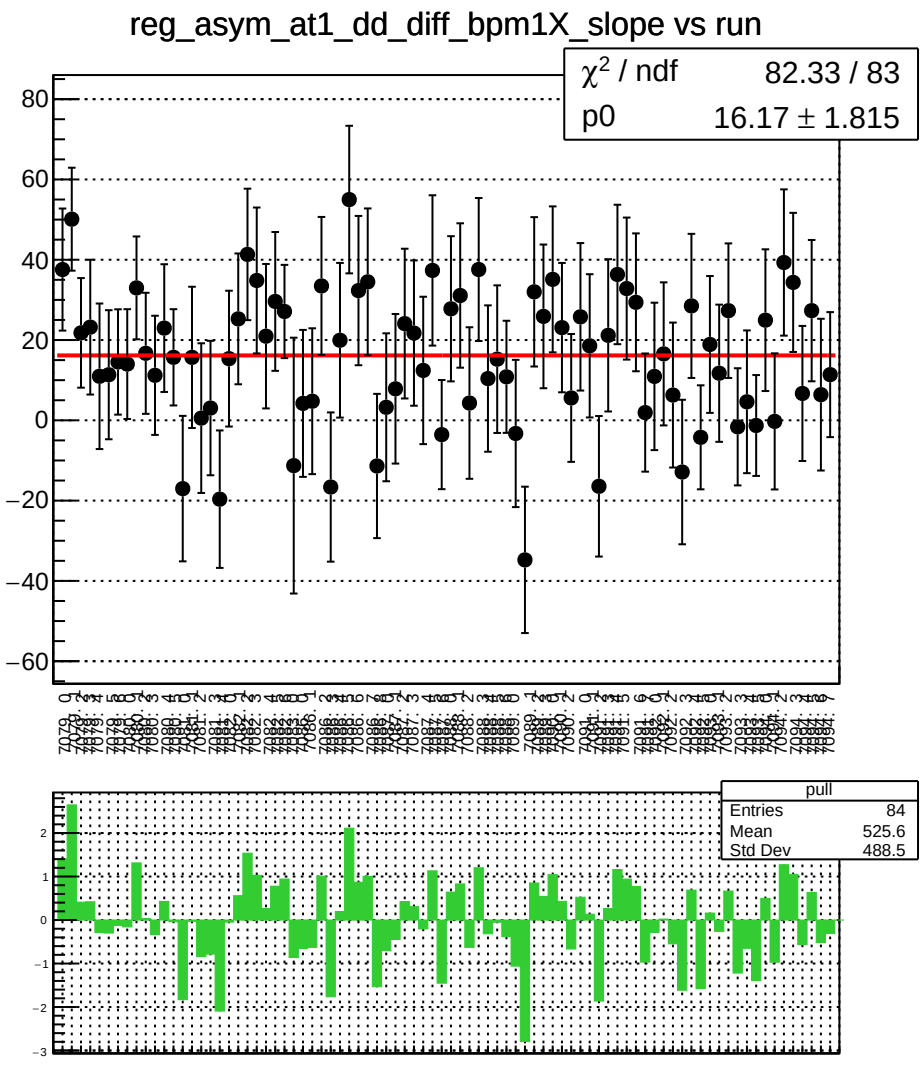

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 87.38 / 83
p0 −36.18 ± 1.911
pull
Entries 84
Mean 188.2
Std Dev 150
pull1D
Entries 84
Mean −0.04996
Std Dev 1.019

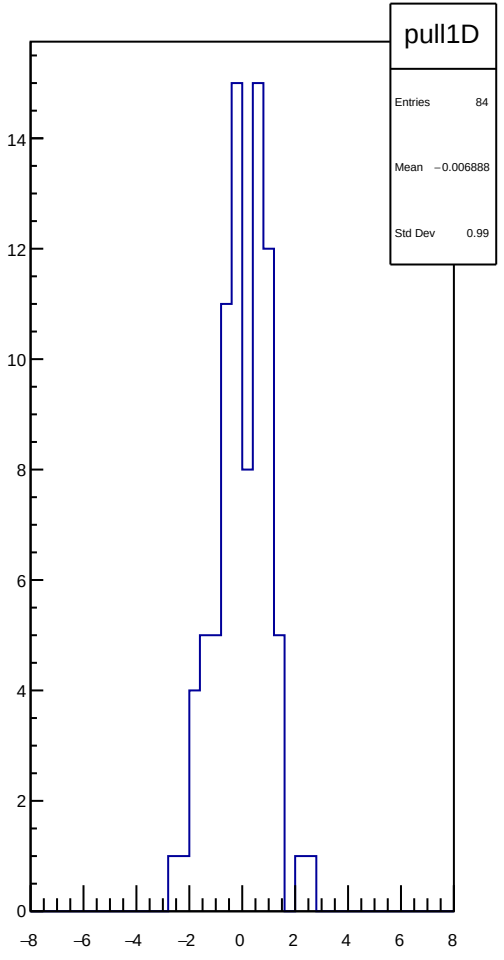

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 74.49 / 83
p0 7.16 ± 1.456
pull
Entries 84
Mean 227.2
Std Dev 164.2
pull1D
Entries 84
Mean −0.01382
Std Dev 0.9416

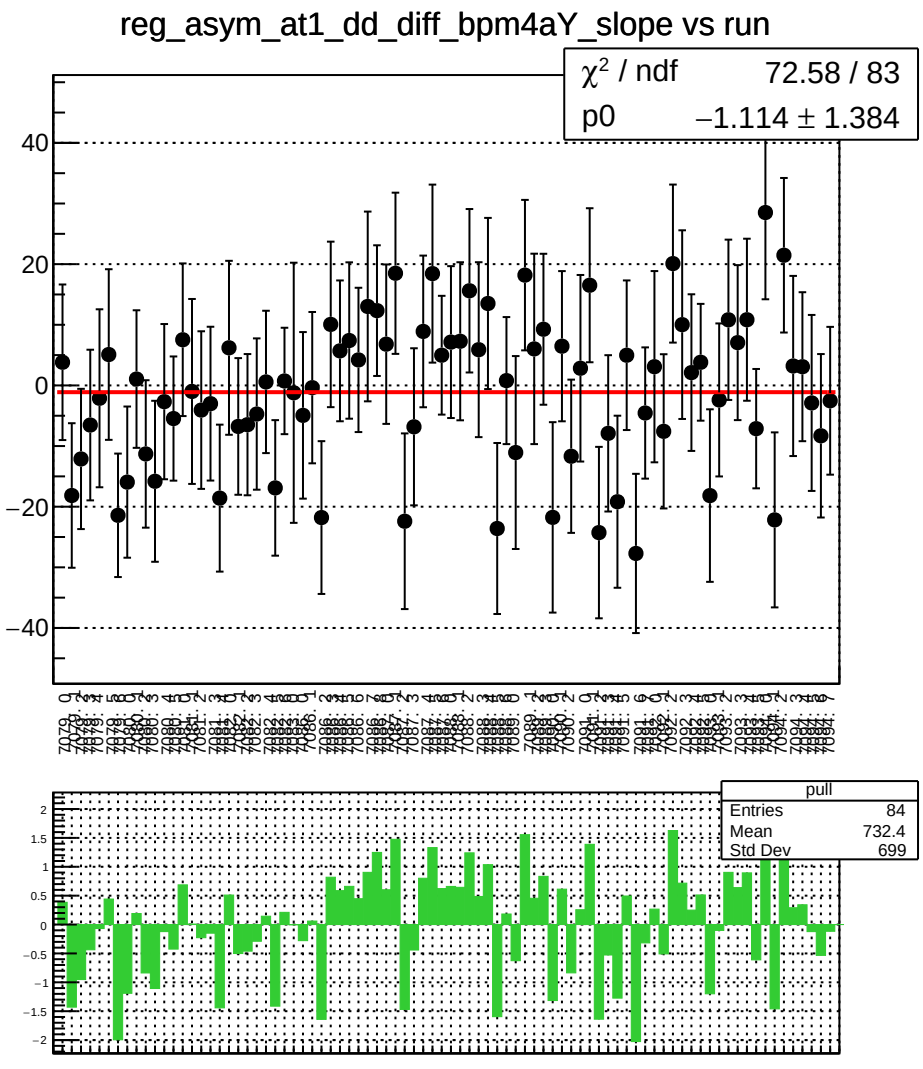

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.21 / 83
p0 25.11 ± 1.844
pull
Entries 84
Mean 194.9
Std Dev 156.2
pull1D
Entries 84
Mean 0.05056
Std Dev 1.023

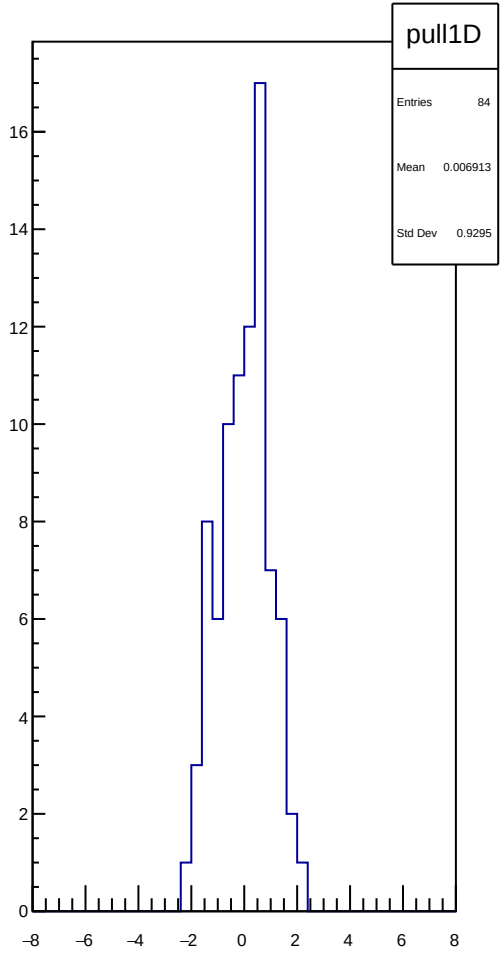

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 73.77 / 83
p0 −12.44 ± 1.529
pull
Entries 84
Mean 274.6
Std Dev 217.4
pull1D
Entries 84
Mean 0.01391
Std Dev 0.937

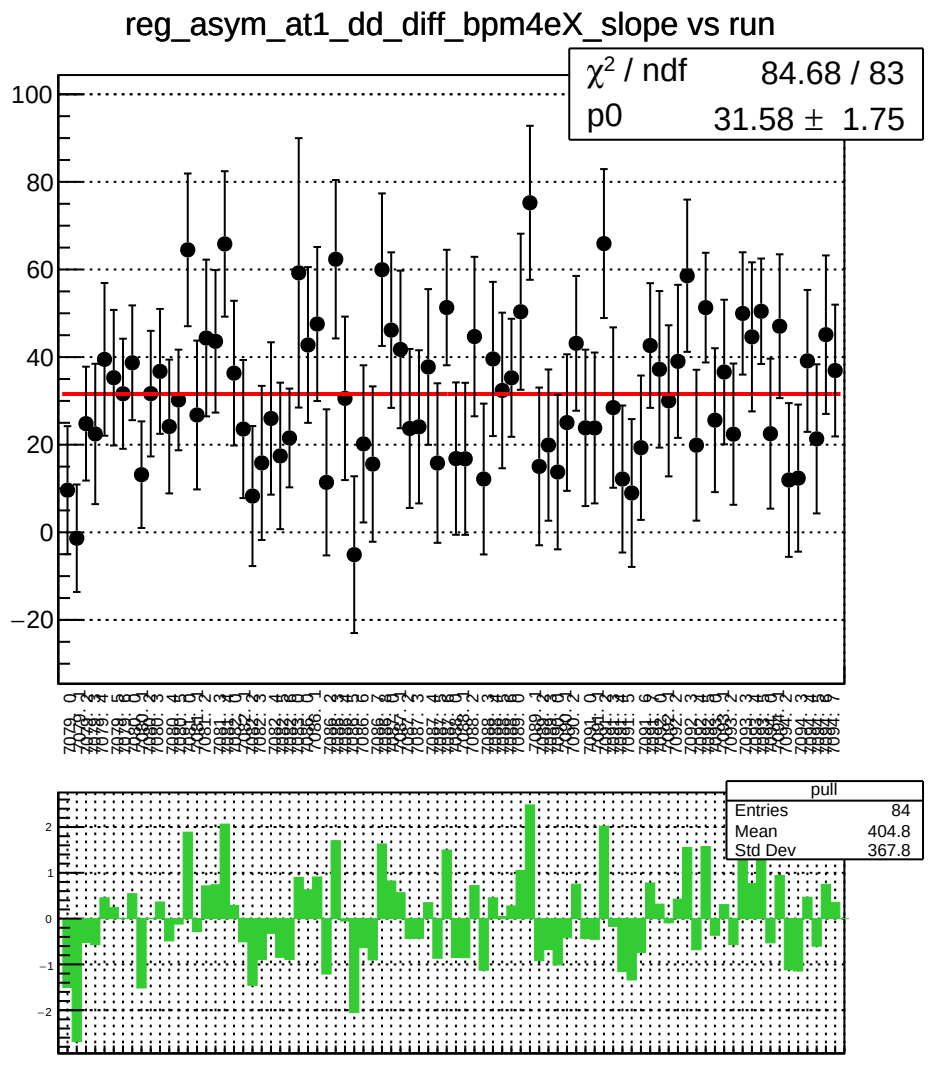

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ^2 / ndf 867.1 / 83
p0 −19.5 ± 0.07309
−16
−18
−20
−22
−24
pull
Entries 84
Mean 1025
Std Dev 988.6
6
4
2
0
−2
−4
pull1D
Entries 84
Mean −0.05565
Std Dev 3.212
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

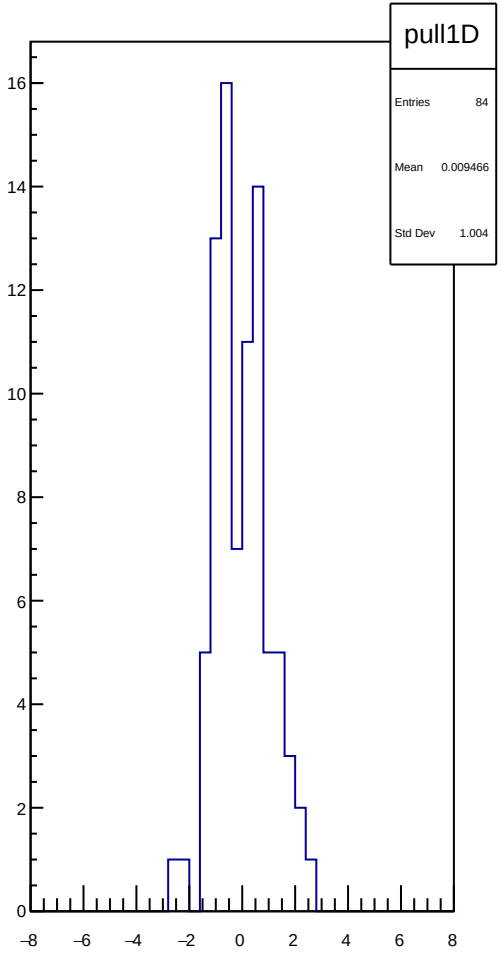

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 82.33 / 83
p0 16.17 ± 1.815
pull
Entries 84
Mean 525.6
Std Dev 488.5

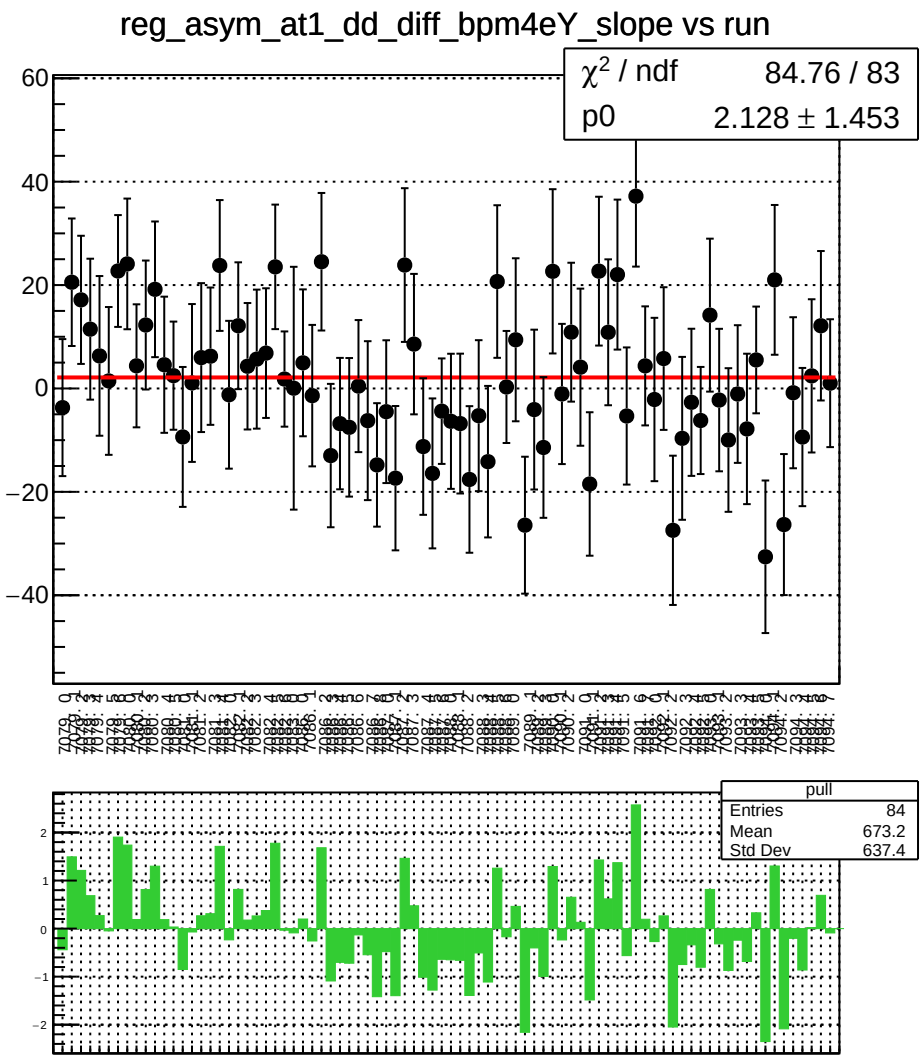

pull1D
Entries 84
Mean −0.006888
Std Dev 0.99

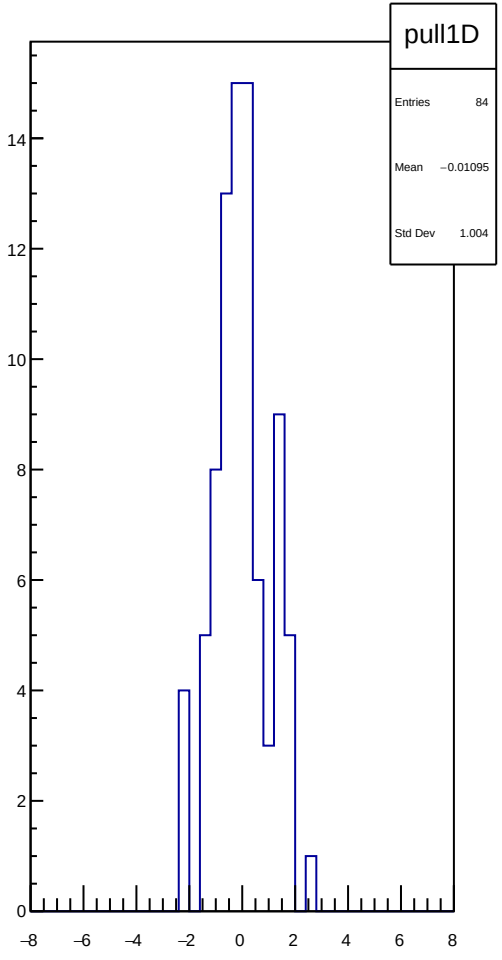

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.58 / 83
p0 −1.114 ± 1.384
40
20
0
−20
−40
pull
Entries 84
Mean 732.4
Std Dev 699
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

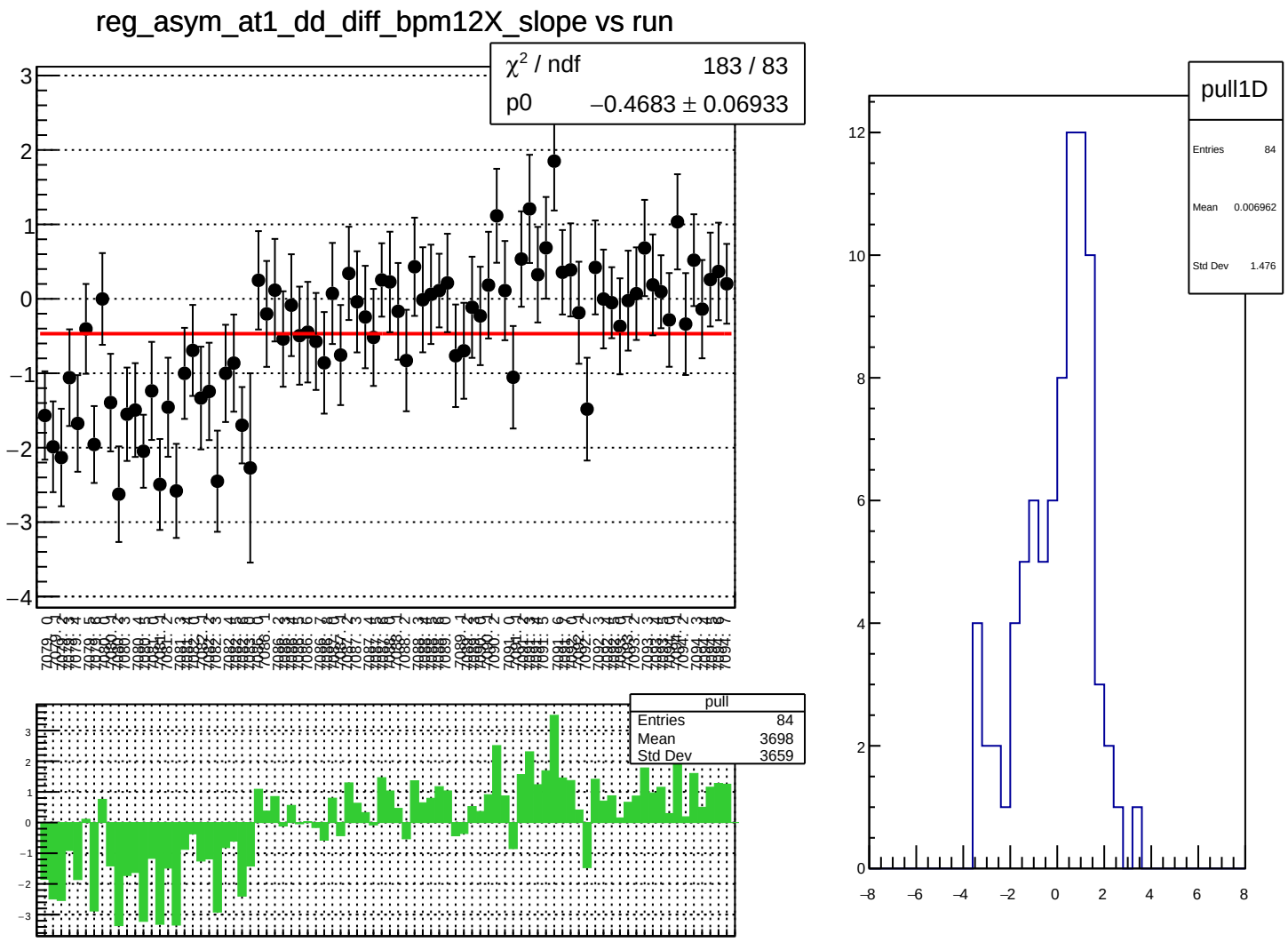

pull1D
Entries 84
Mean 0.006913
Std Dev 0.9295
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

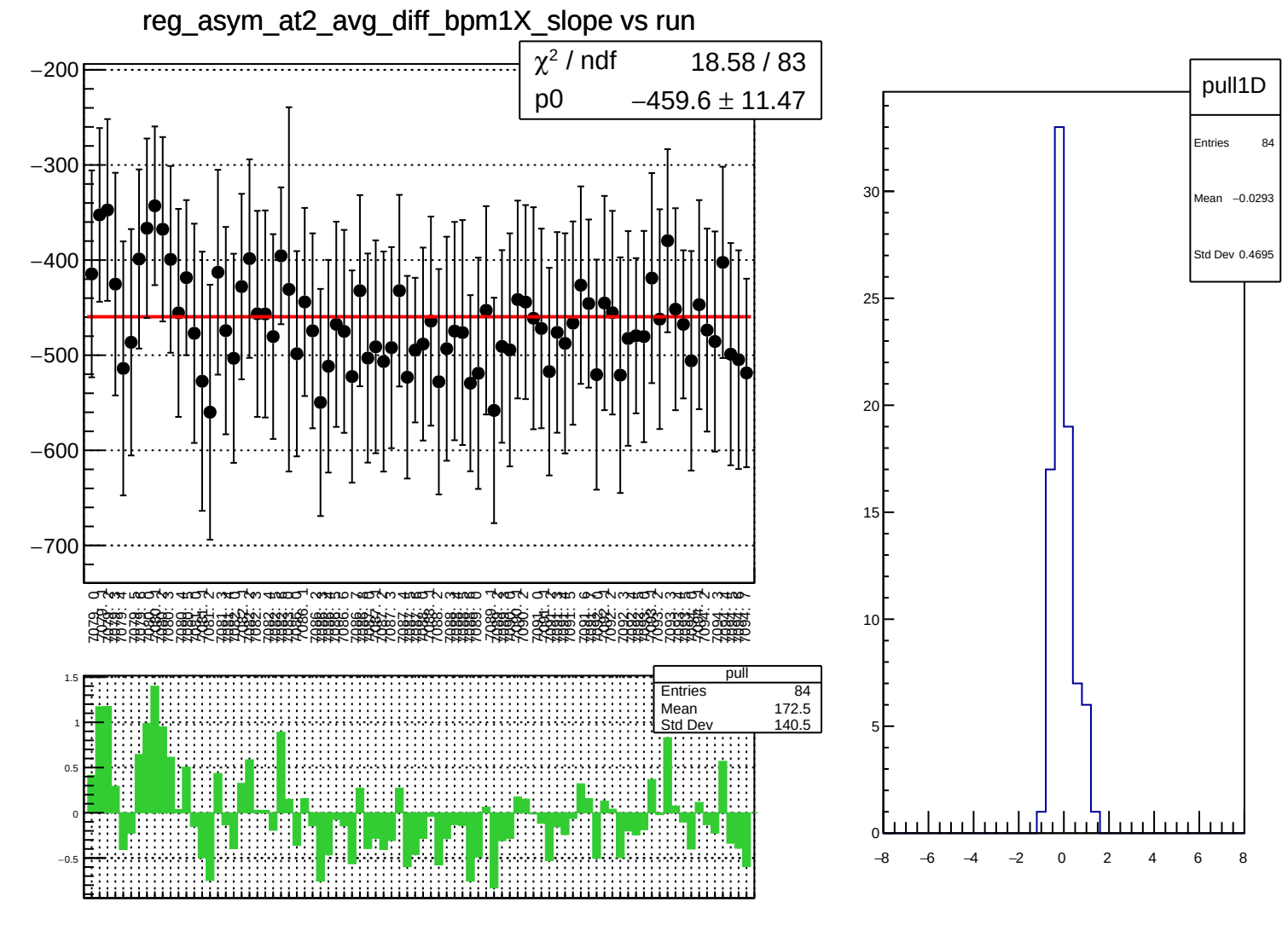

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 84.68 / 83
p0 31.58 ± 1.75
pull
Entries 84
Mean 404.8
Std Dev 367.8

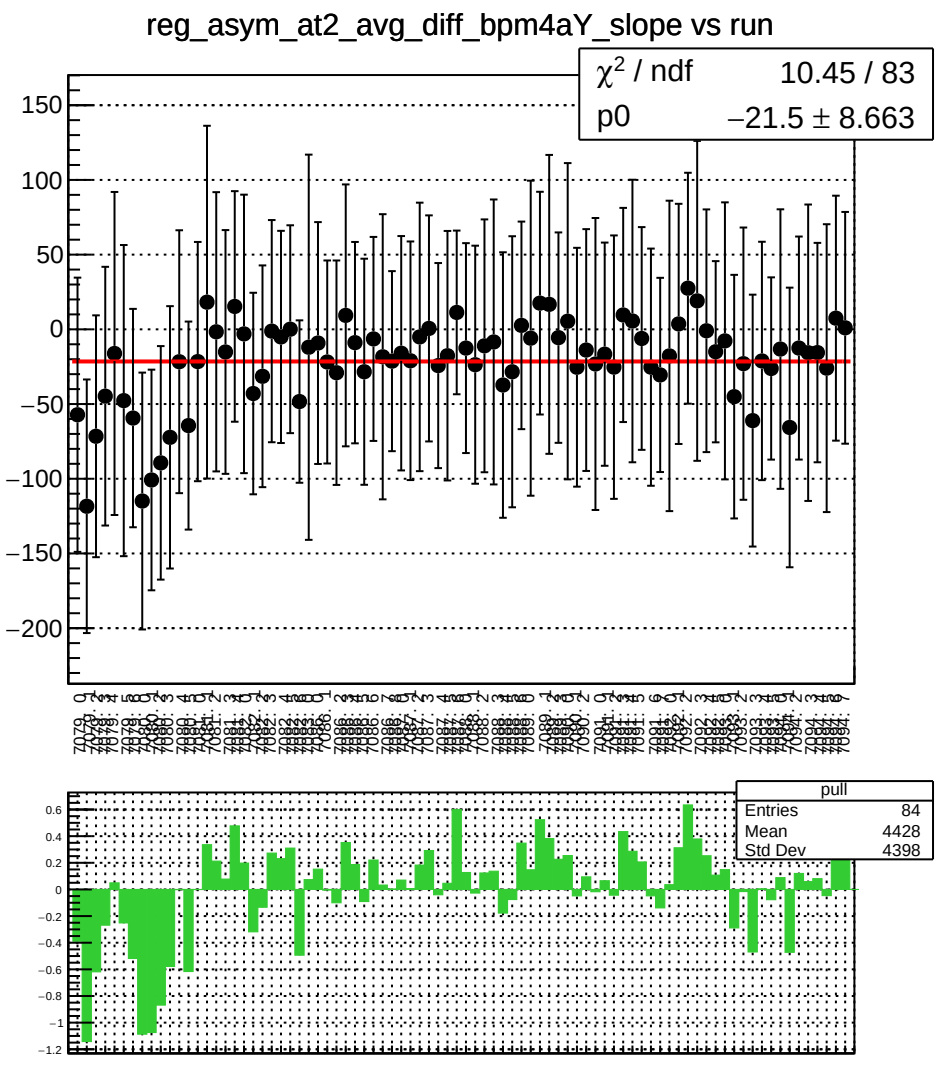

pull1D
Entries 84
Mean 0.009466
Std Dev 1.004

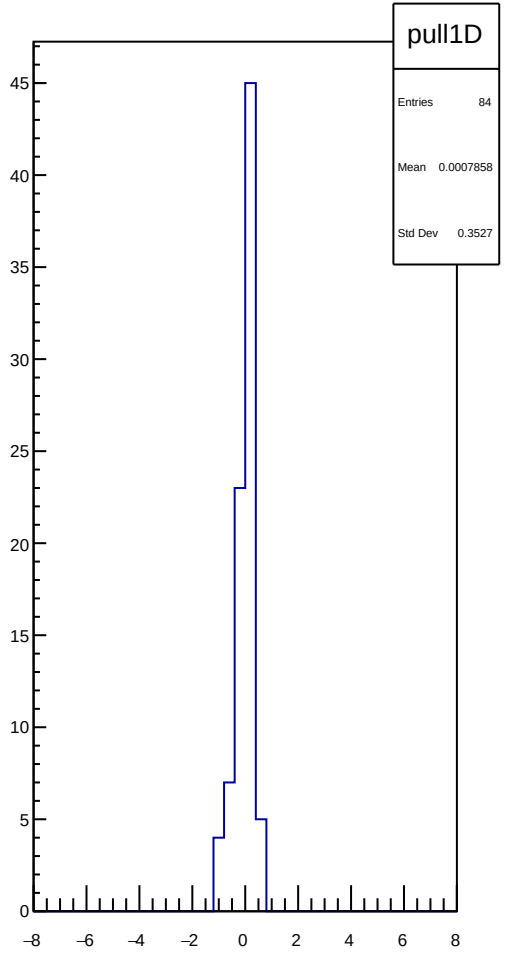

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 84.76 / 83
p0 2.128 ± 1.453
pull
Entries 84
Mean 673.2
Std Dev 637.4

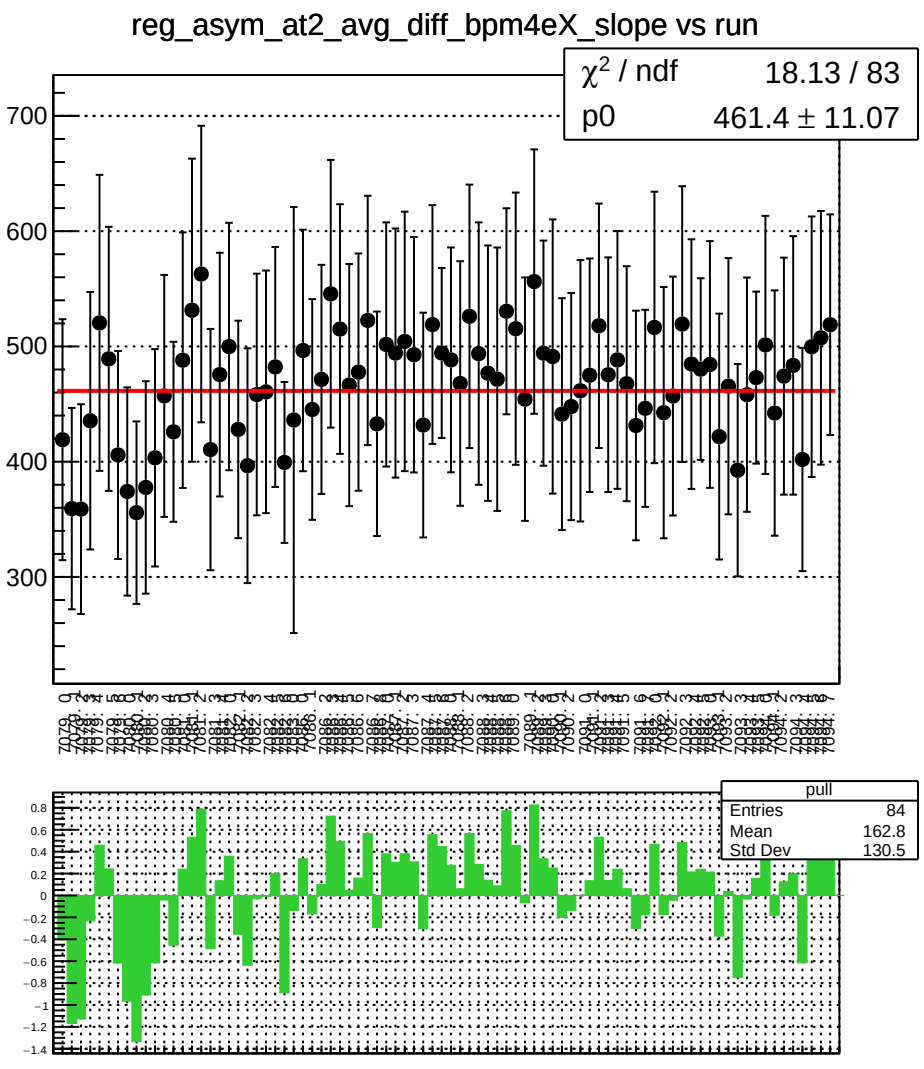

pull1D
Entries 84
Mean −0.01095
Std Dev 1.004

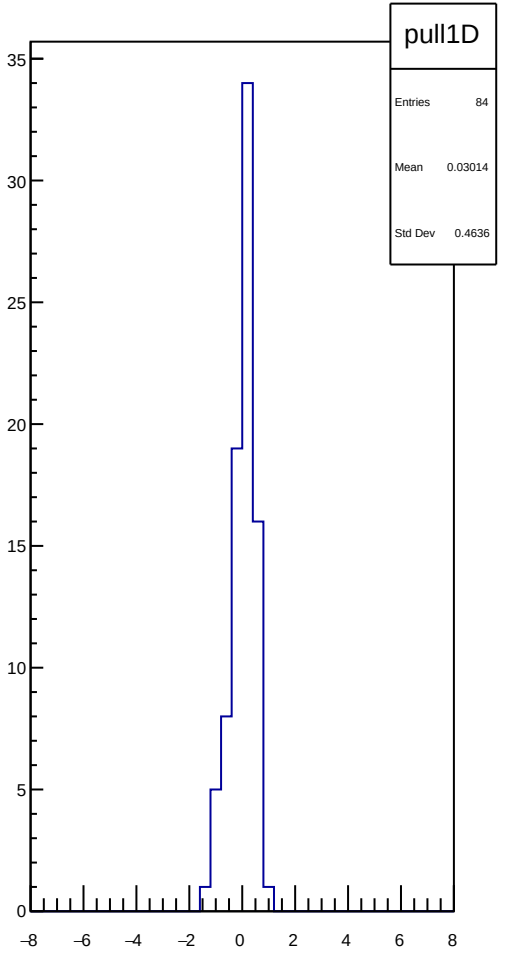

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 183 / 83
p0 −0.4683 ± 0.06933
pull
Entries 84
Mean 3698
Std Dev 3659
pull1D
Entries 84
Mean 0.006962
Std Dev 1.476

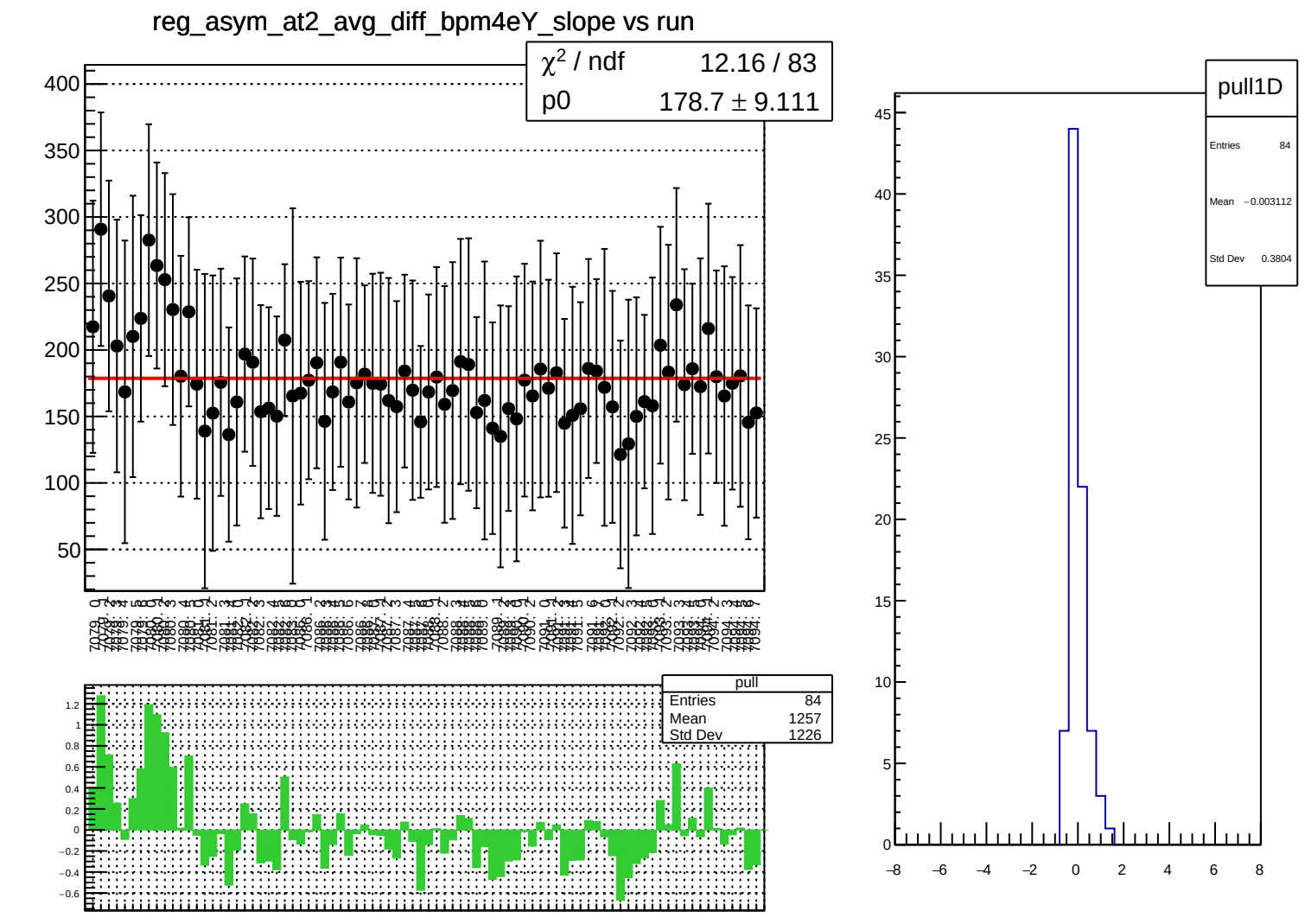

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 18.58 / 83
p0 −459.6 ± 11.47
pull
Entries 84
Mean 172.5
Std Dev 140.5
pull1D
Entries 84
Mean −0.0293
Std Dev 0.4695

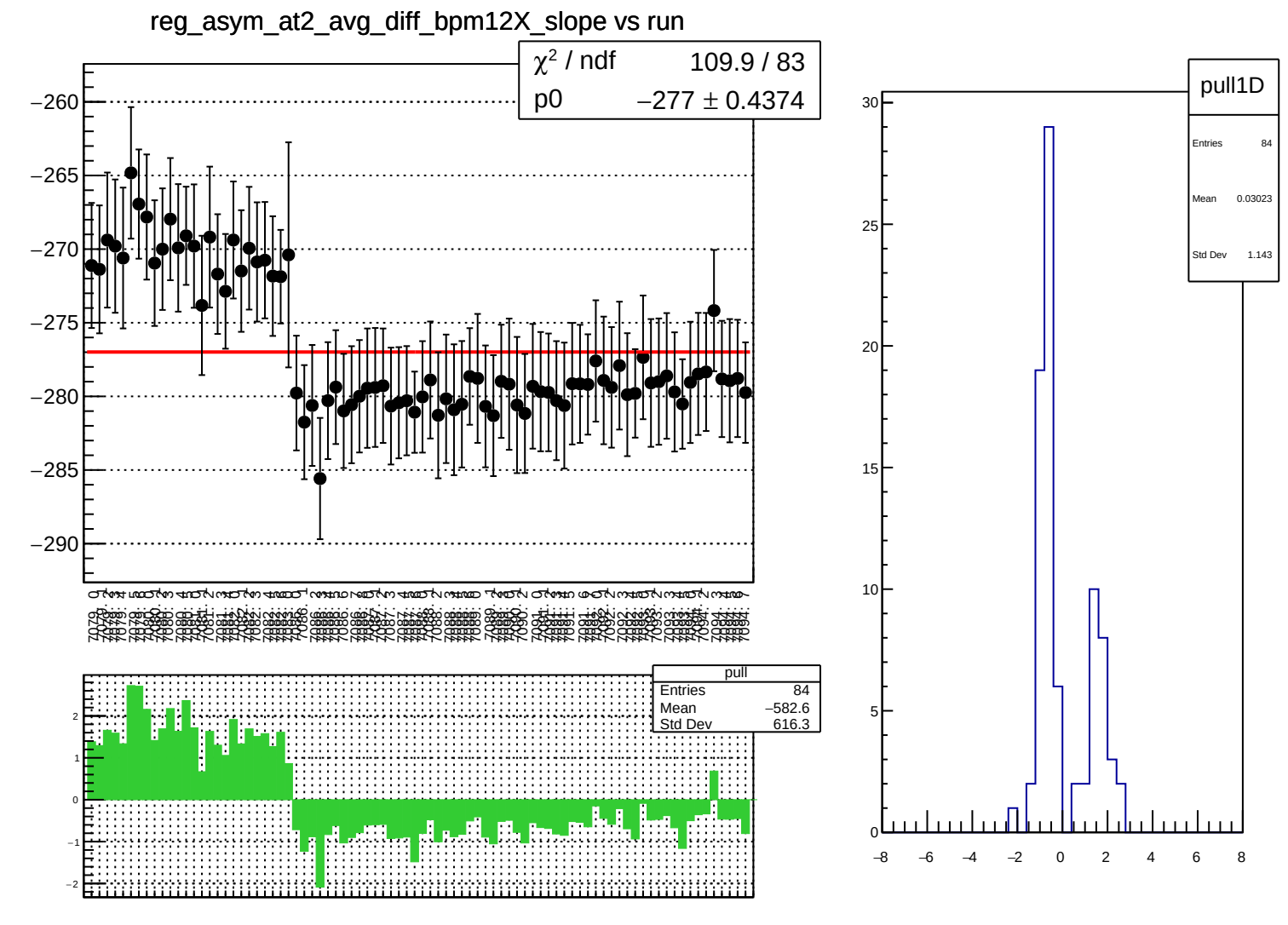

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 10.45 / 83
p0 −21.5 ± 8.663
150
100
50
0
−50
−100
−150
−200
pull
Entries 84
Mean 4428
Std Dev 4398
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2

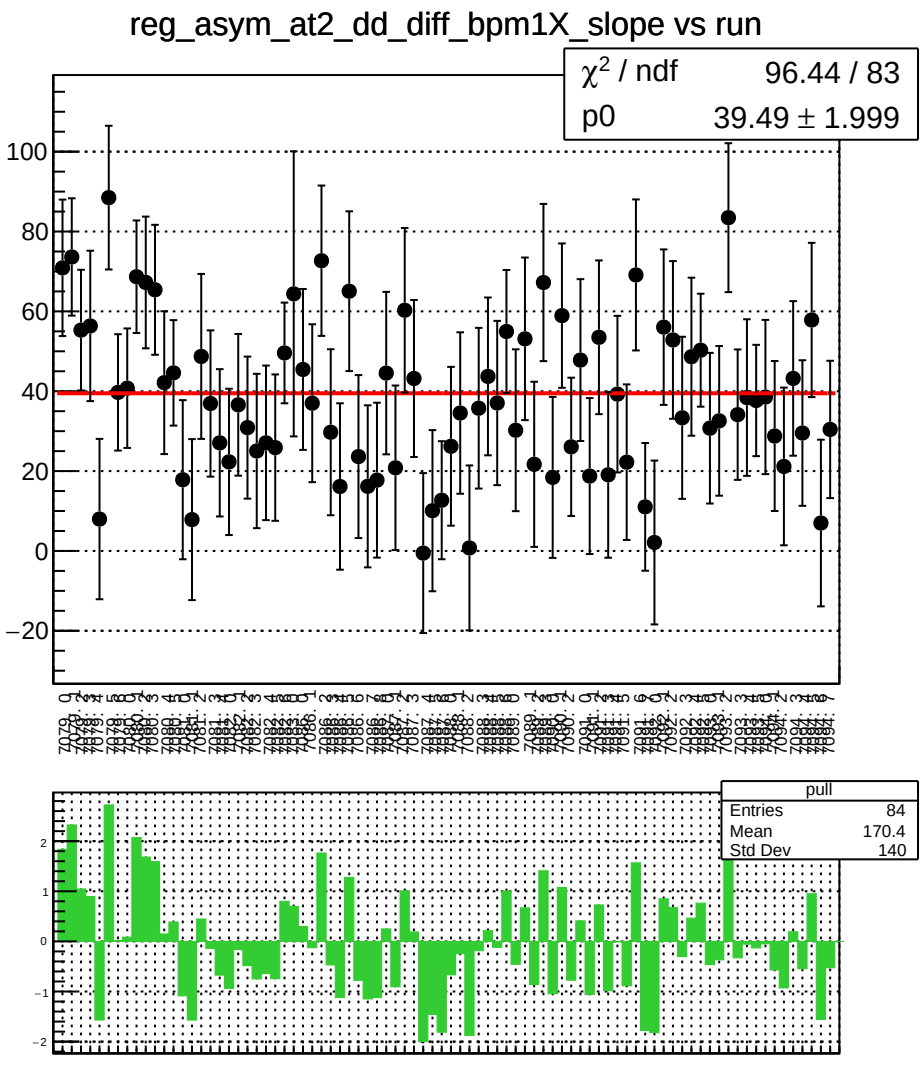

pull1D
Entries 84
Mean 0.0007858
Std Dev 0.3527
45
40
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

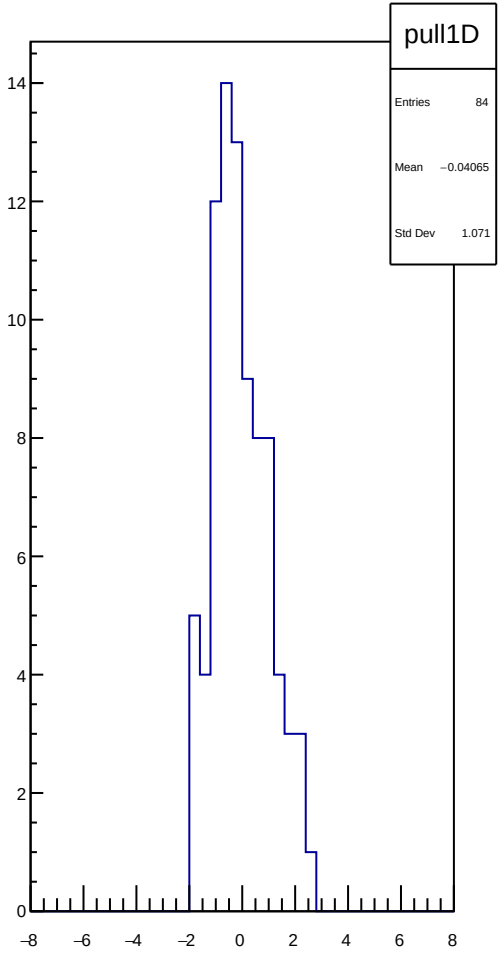

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.13 / 83
p0 461.4 ± 11.07
700
600
500
400
300
pull
Entries 84
Mean 162.8
Std Dev 130.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4

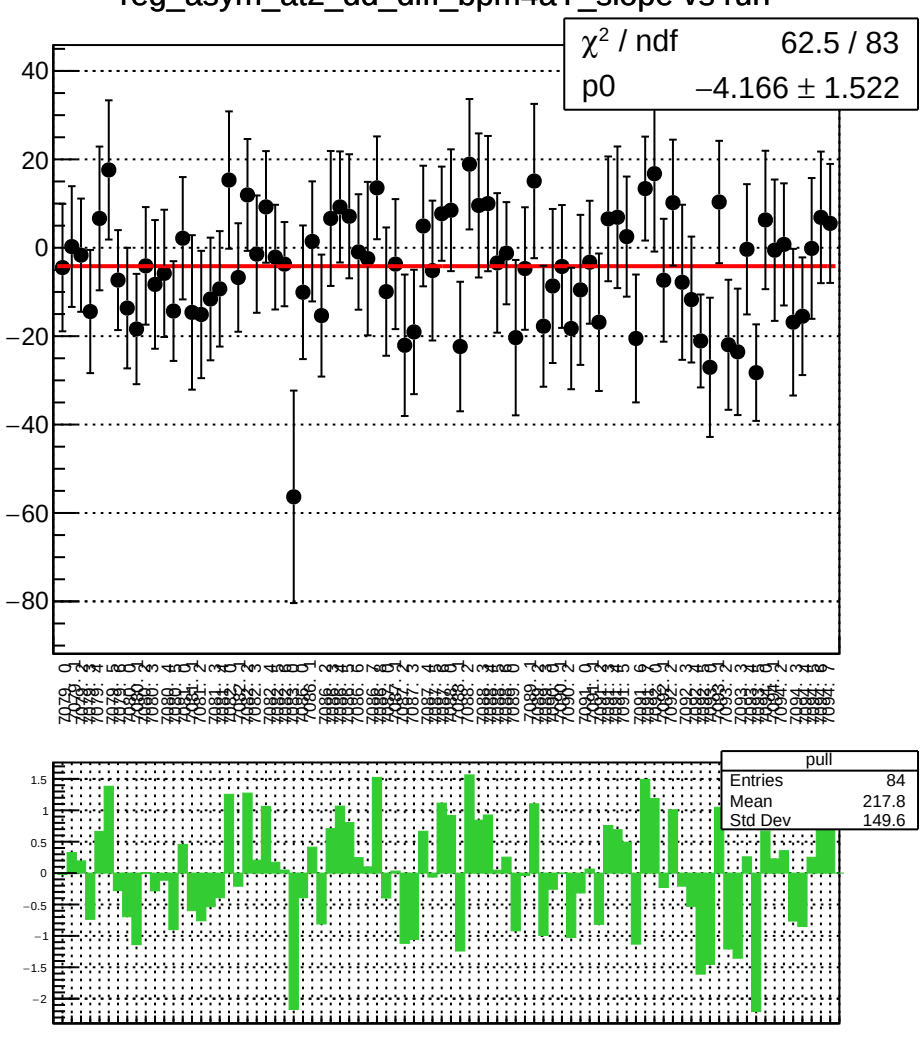

pull1D
Entries 84
Mean 0.03014
Std Dev 0.4636
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

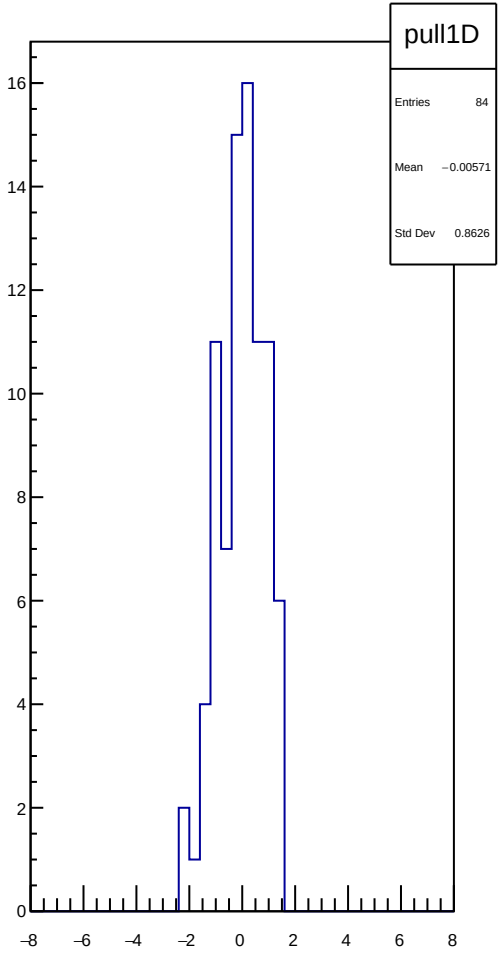

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.16 / 83
p0 178.7 ± 9.111
pull
Entries 84
Mean 1257
Std Dev 1226
pull1D
Entries 84
Mean −0.003112
Std Dev 0.3804

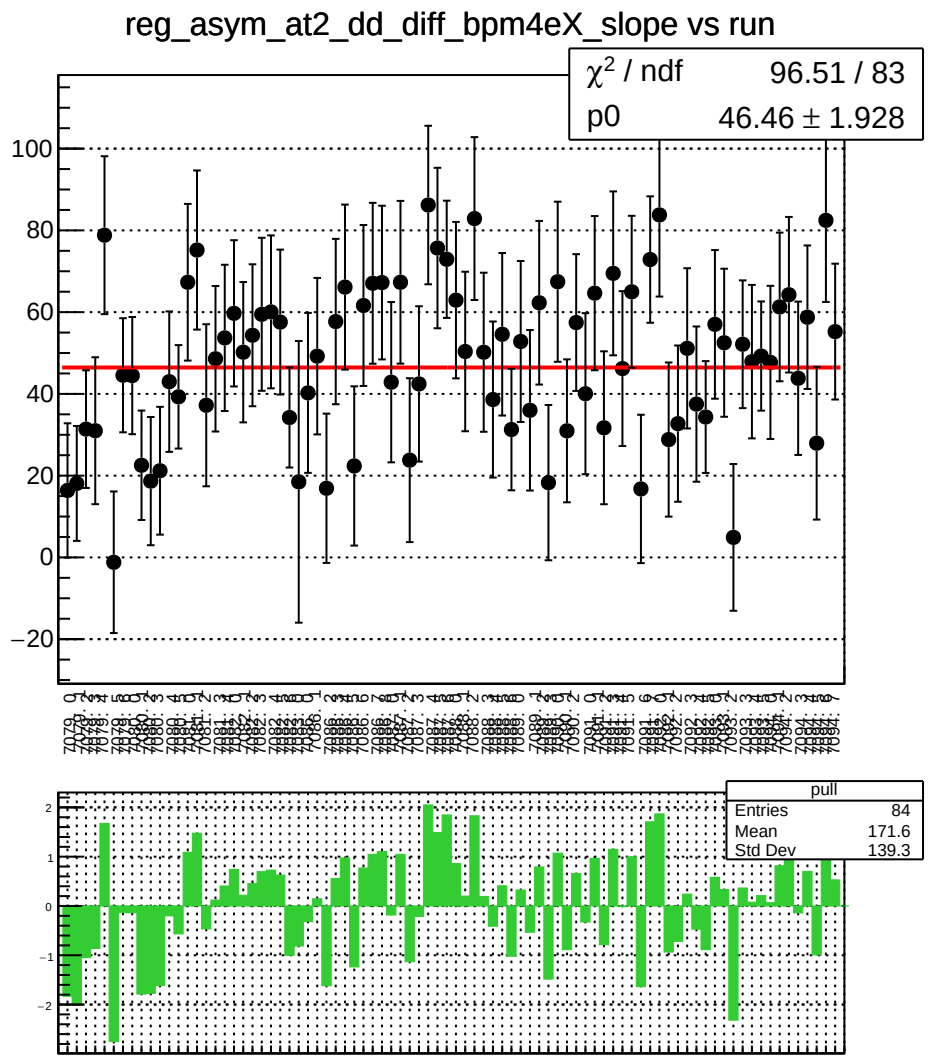

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 109.9 / 83
p0 −277 ± 0.4374
−260
−265
−270
−275
−280
−285
−290
pull
Entries 84
Mean −582.6
Std Dev 616.3
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.03023
Std Dev 1.143
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

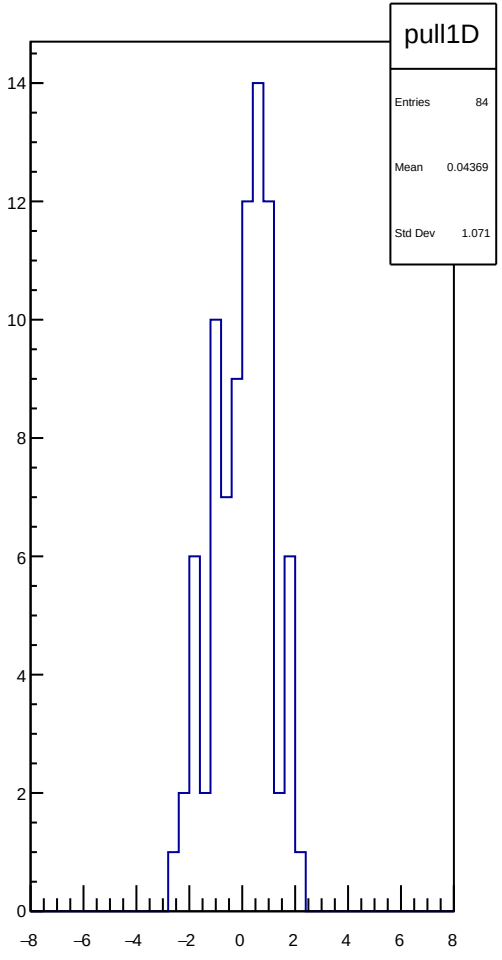

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 96.44 / 83
p0 39.49 ± 1.999
pull
Entries 84
Mean 170.4
Std Dev 140

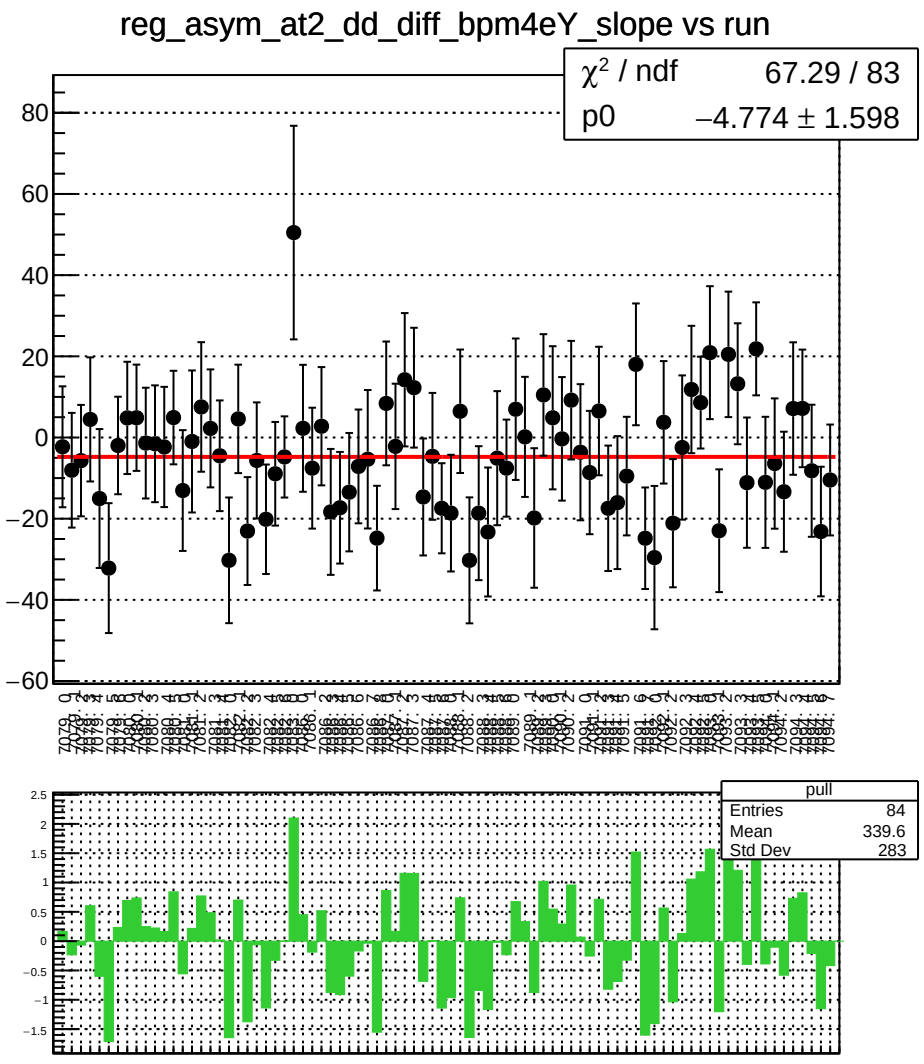

pull1D
Entries 84
Mean −0.04065
Std Dev 1.071

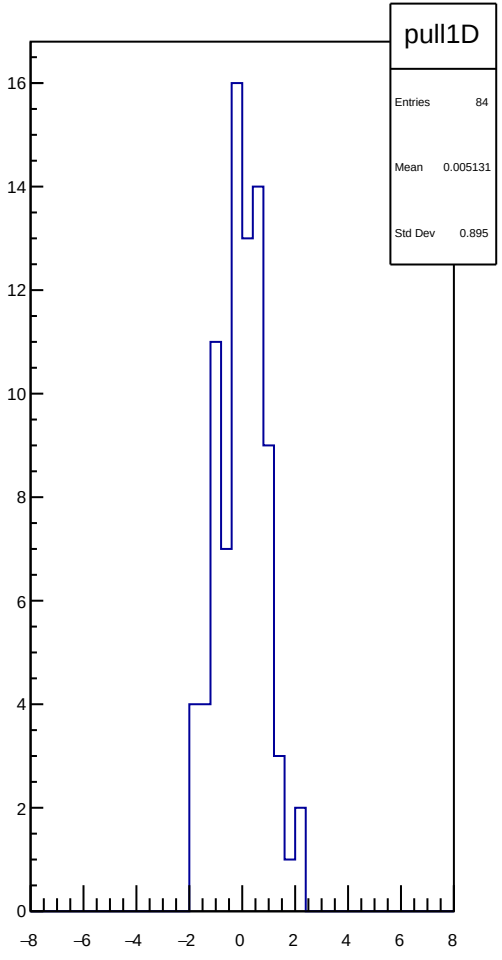

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 62.5 / 83
p0 −4.166 ± 1.522
pull
Entries 84
Mean 217.8
Std Dev 149.6

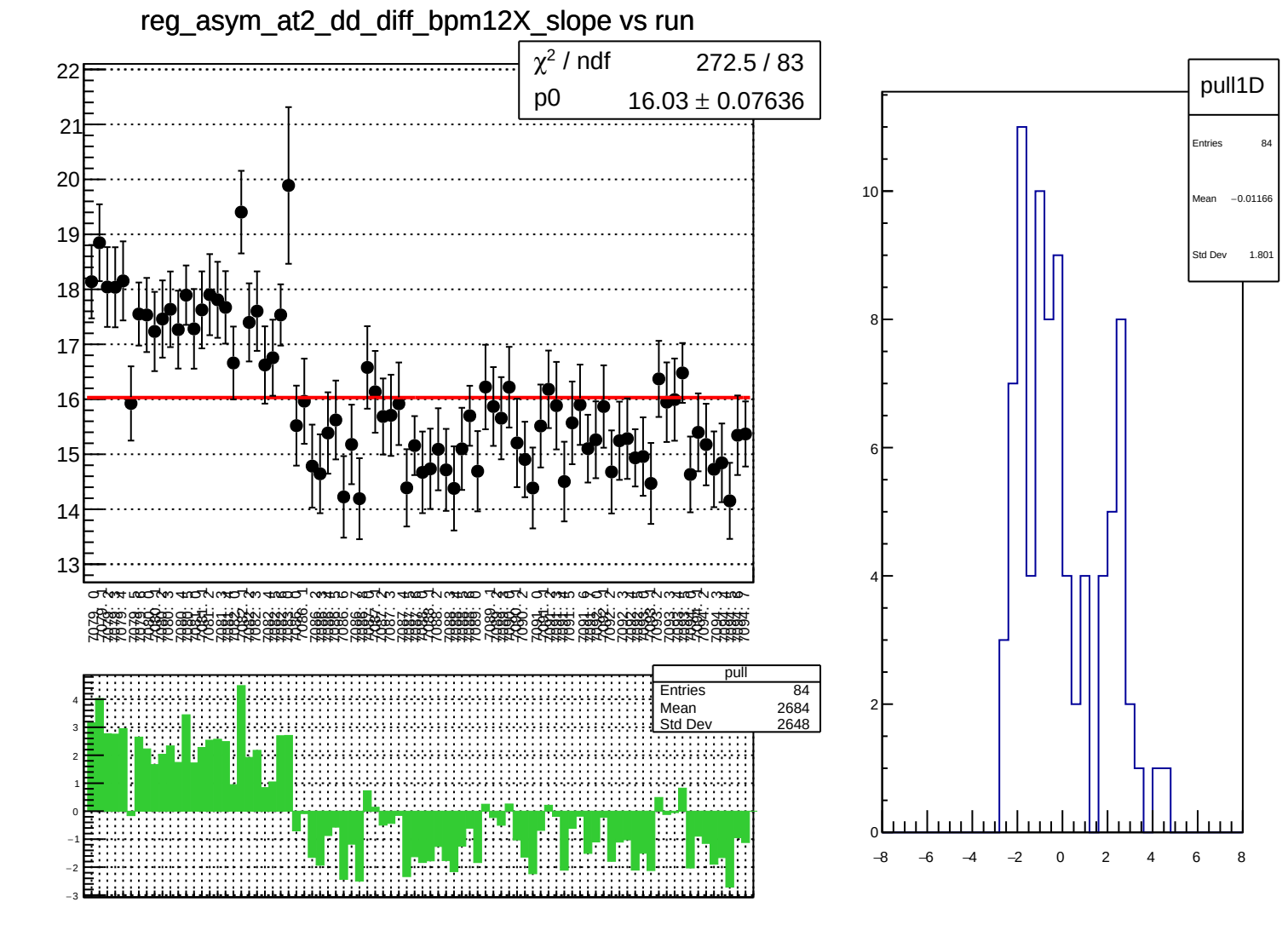

pull1D
Entries 84
Mean −0.00571
Std Dev 0.8626

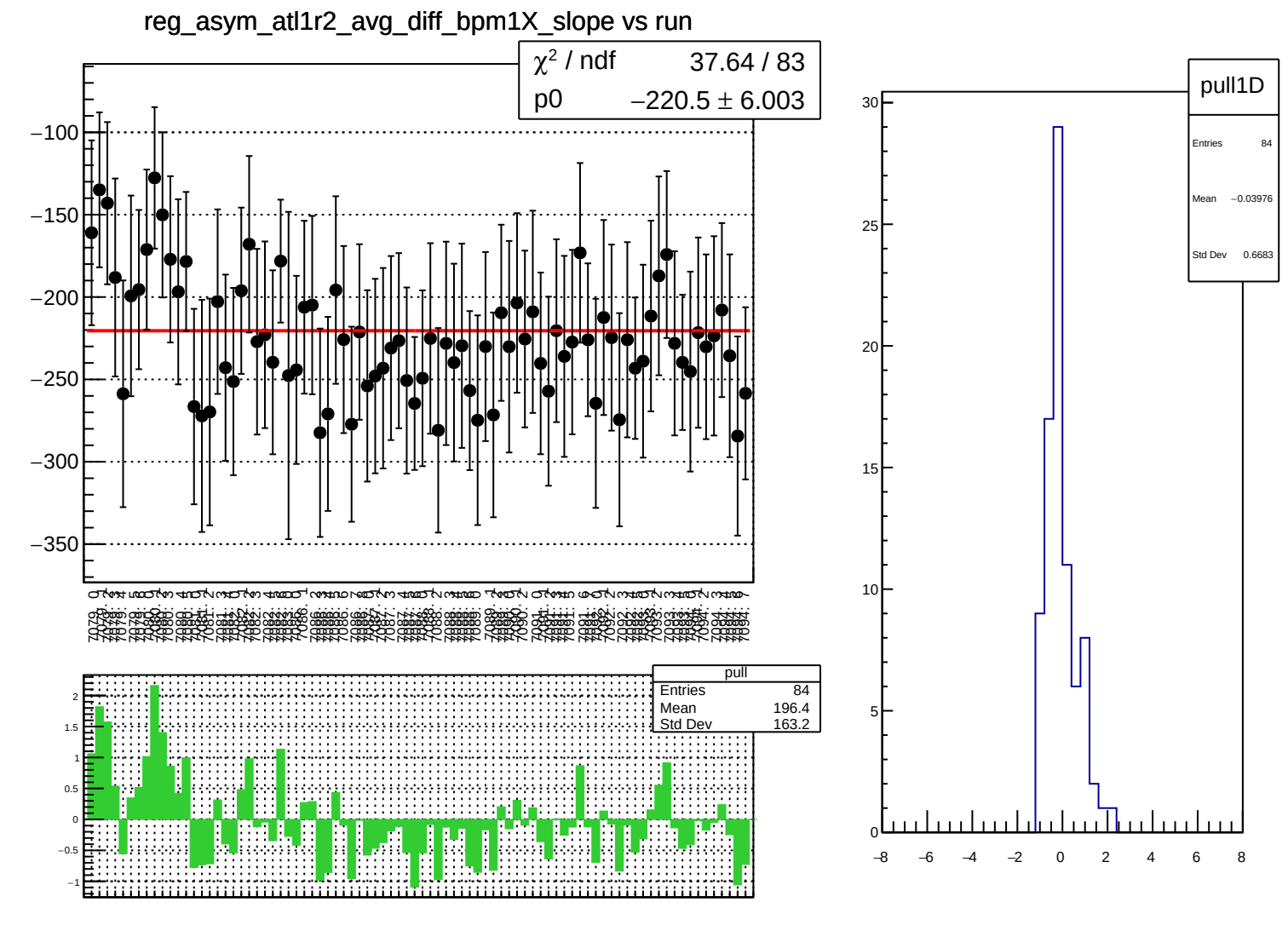

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 96.51 / 83
p0 46.46 ± 1.928
pull
Entries 84
Mean 171.6
Std Dev 139.3

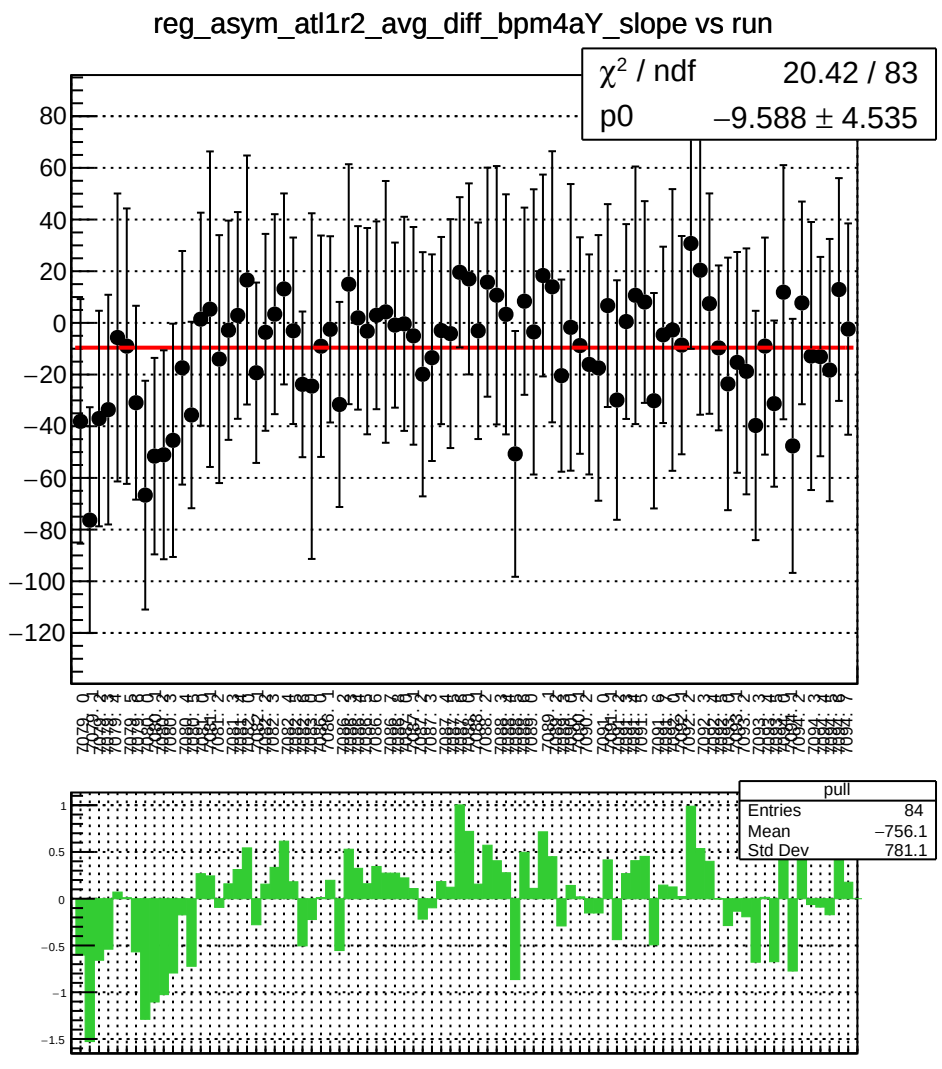

pull1D
Entries 84
Mean 0.04369
Std Dev 1.071

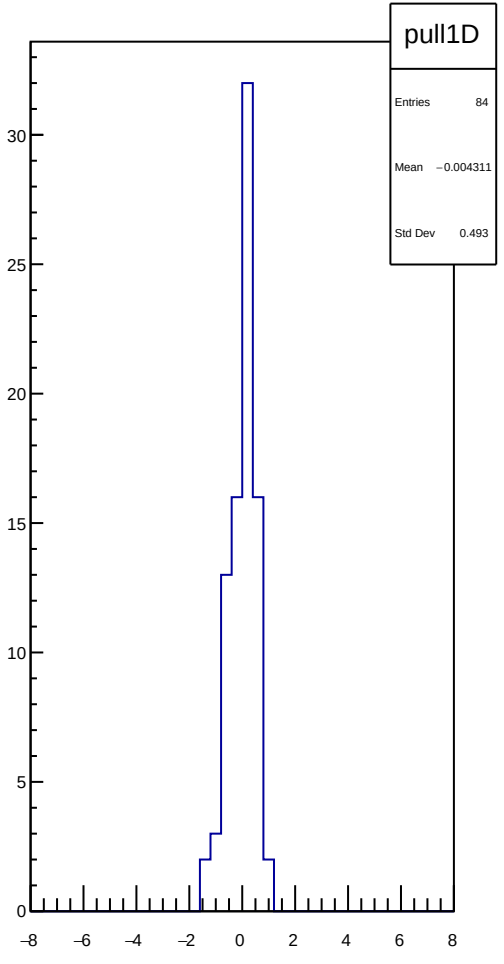

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 67.29 / 83
p0 −4.774 ± 1.598
pull
Entries 84
Mean 339.6
Std Dev 283

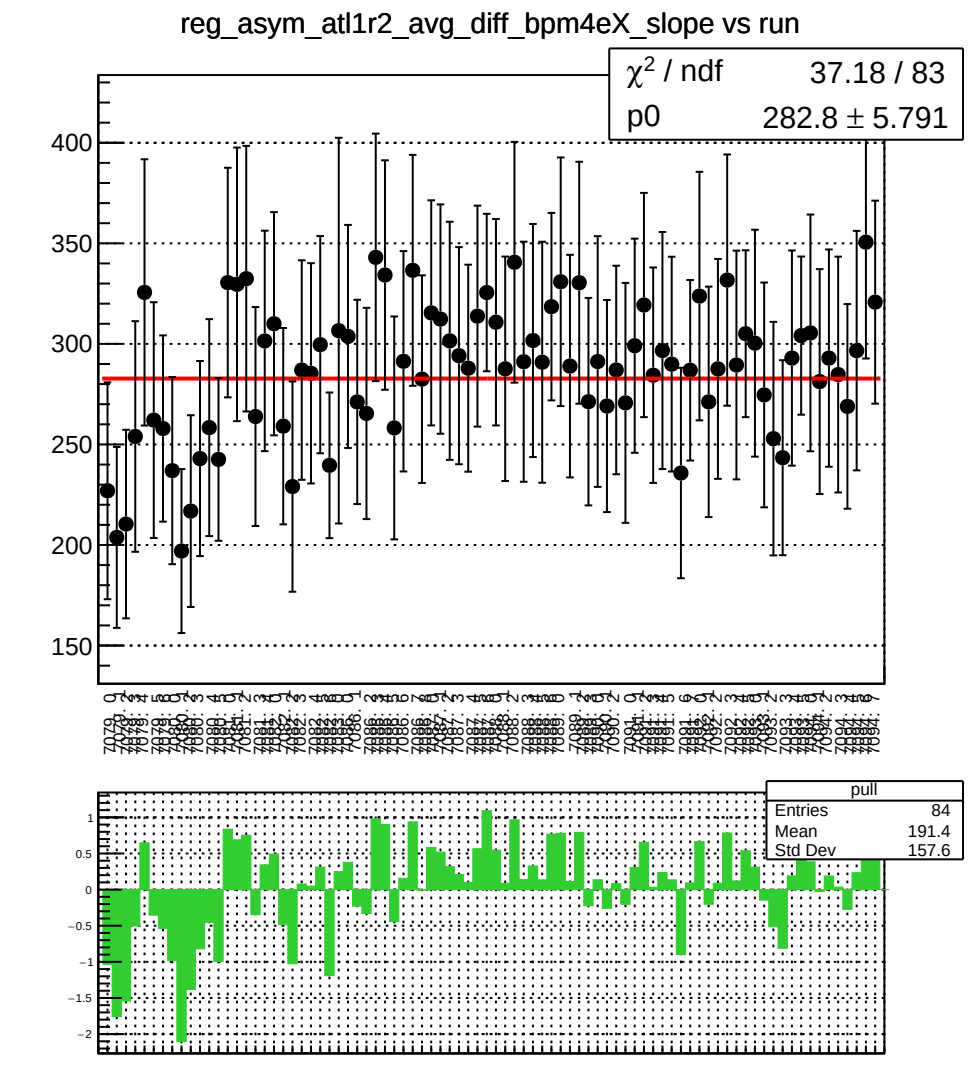

pull1D
Entries 84
Mean 0.005131
Std Dev 0.895

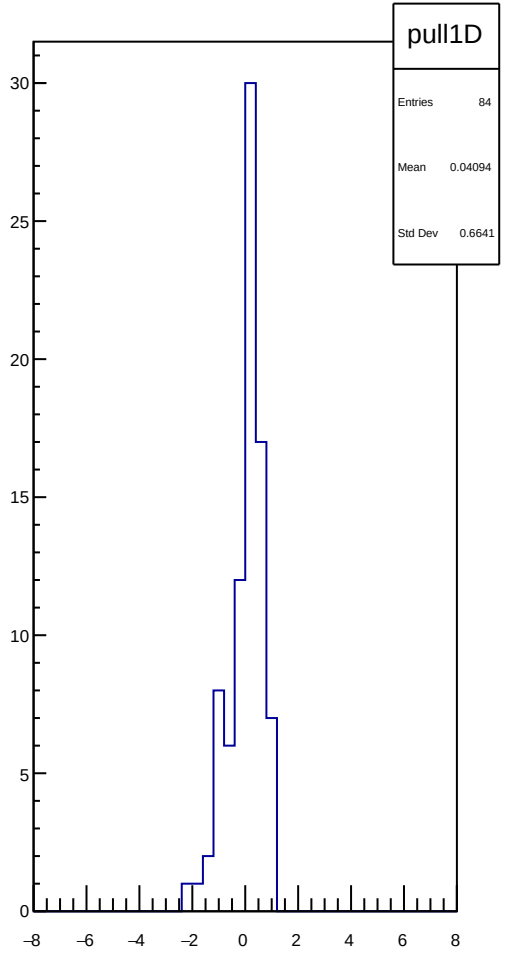

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 272.5 / 83
p0 16.03 ± 0.07636
pull
Entries 84
Mean 2684
Std Dev 2648
pull1D
Entries 84
Mean −0.01166
Std Dev 1.801

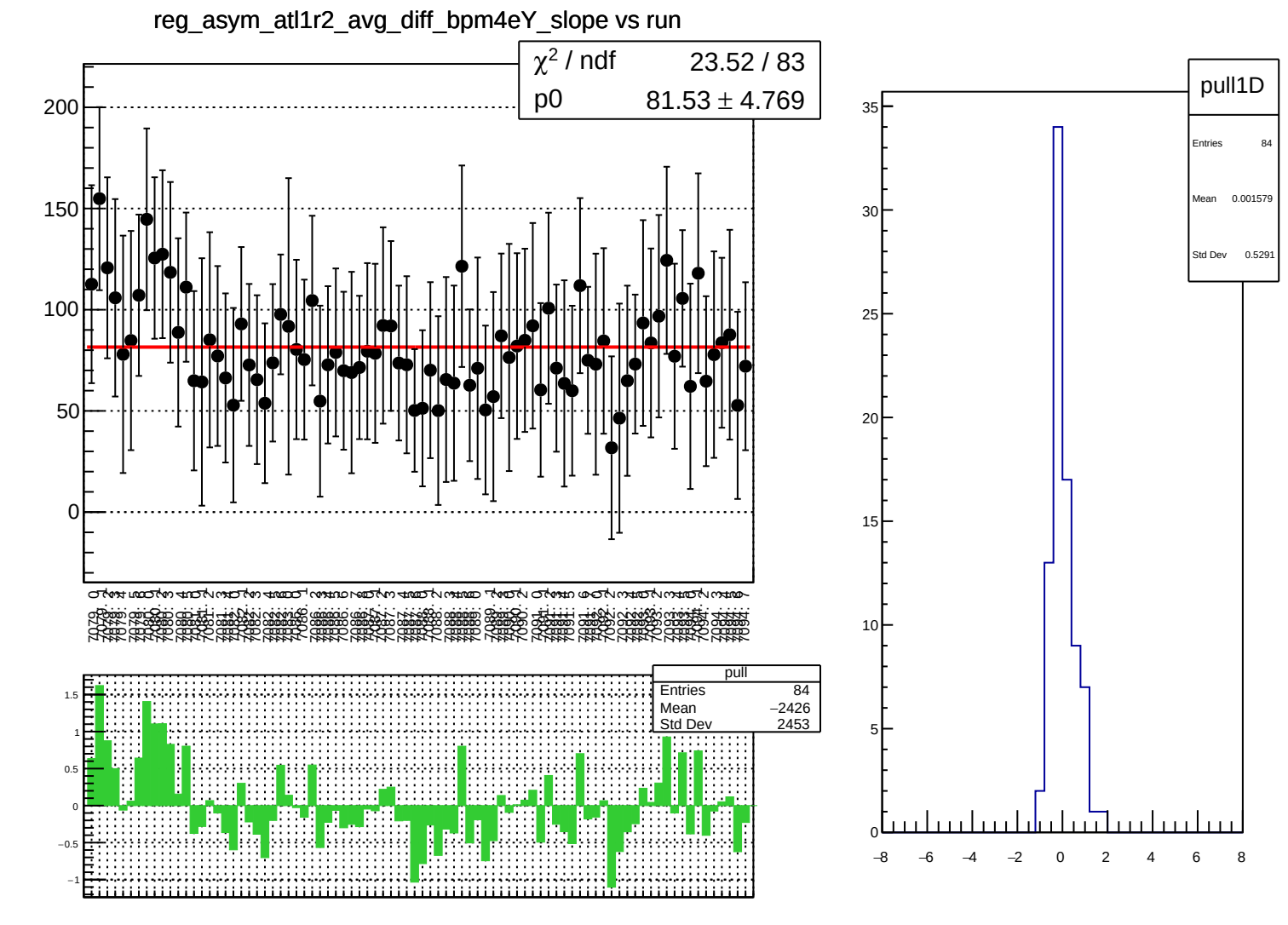

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 37.64 / 83
p0 −220.5 ± 6.003
pull
Entries 84
Mean 196.4
Std Dev 163.2
pull1D
Entries 84
Mean −0.03976
Std Dev 0.6683

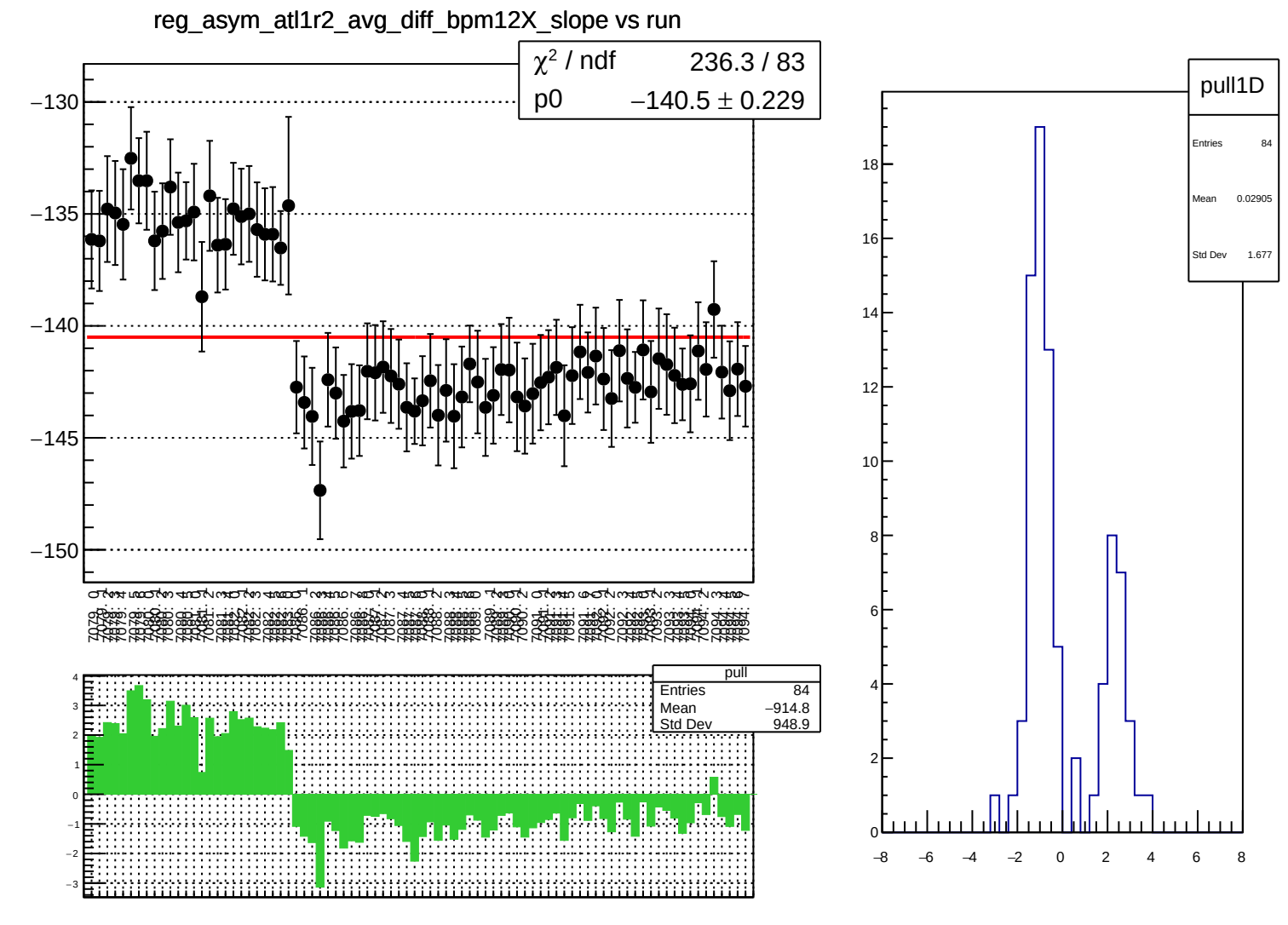

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 20.42 / 83
p0 −9.588 ± 4.535
pull
Entries 84
Mean −756.1
Std Dev 781.1

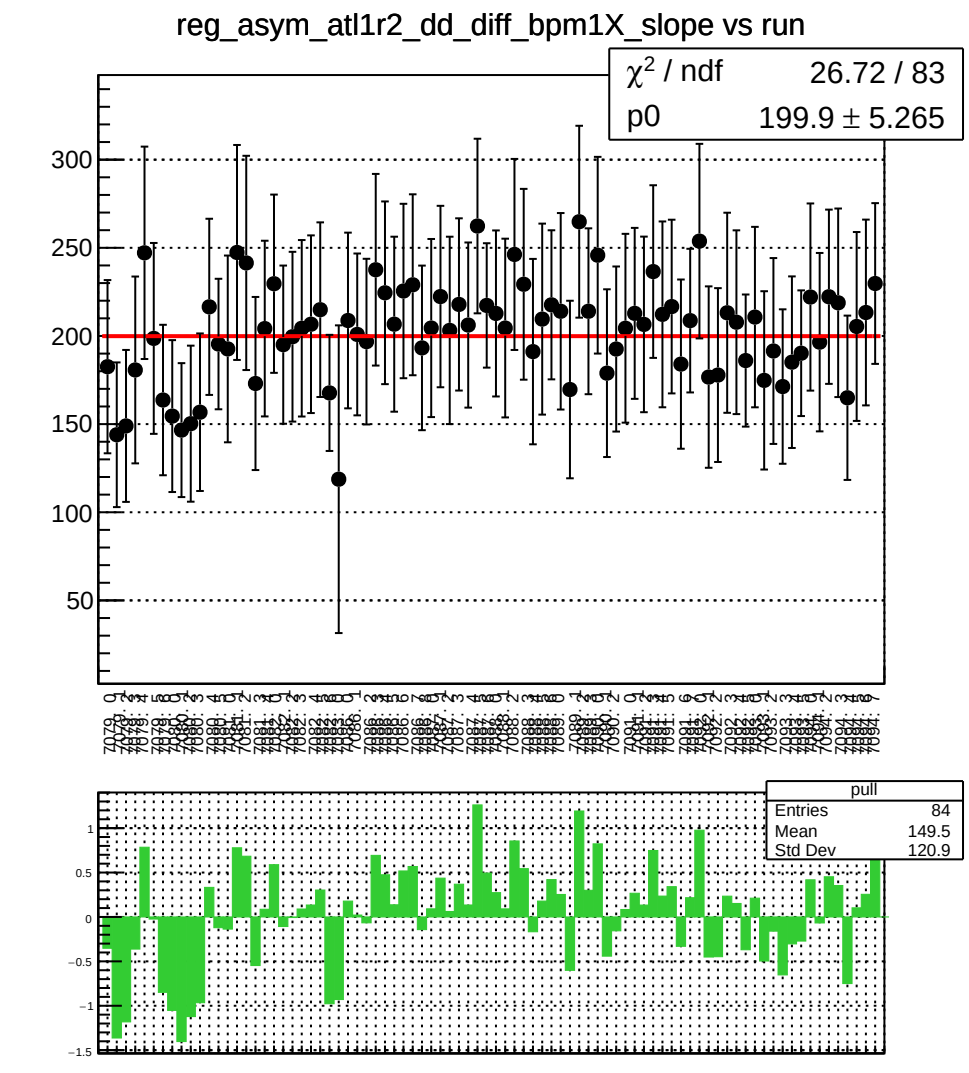

pull1D
Entries 84
Mean −0.004311
Std Dev 0.493

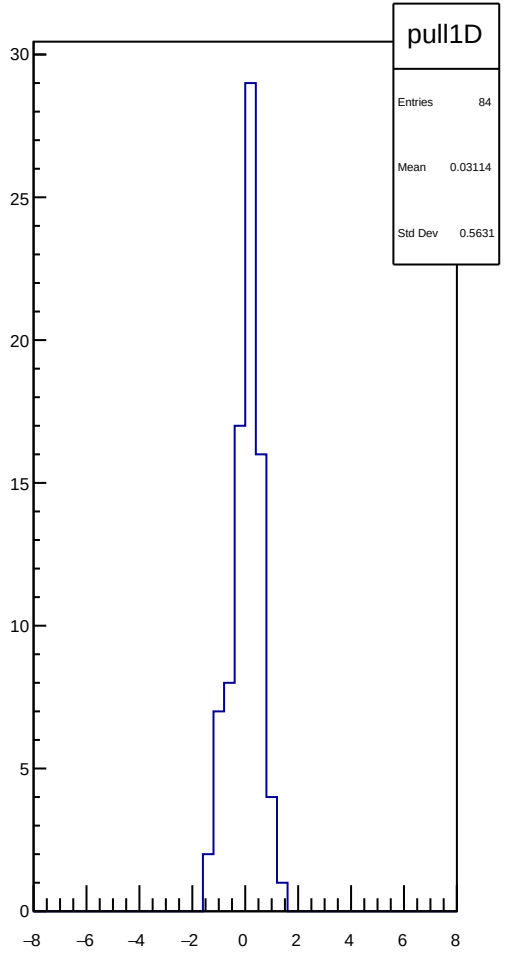

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.18 / 83
p0 282.8 ± 5.791
400
350
300
250
200
150
pull
Entries 84
Mean 191.4
Std Dev 157.6
1
0.5
0
−0.5
−1
−1.5
−2

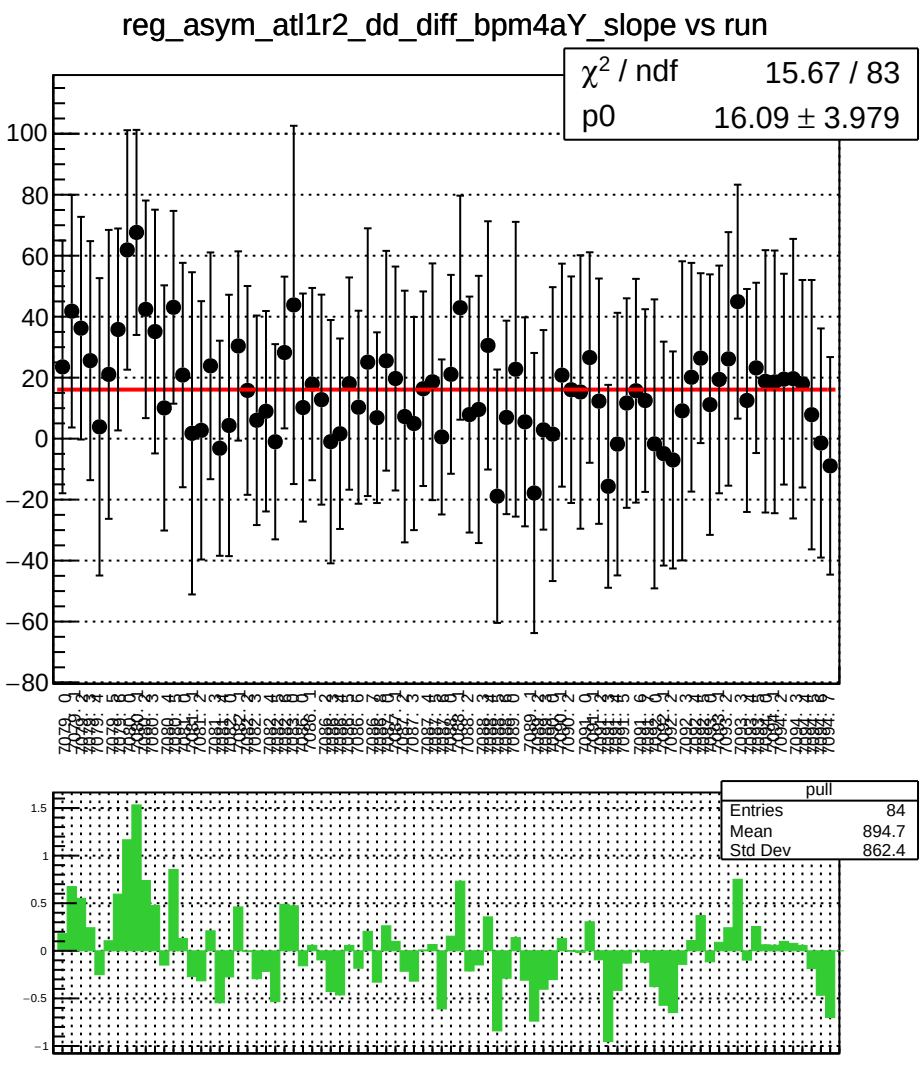

pull1D
Entries 84
Mean 0.04094
Std Dev 0.6641
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

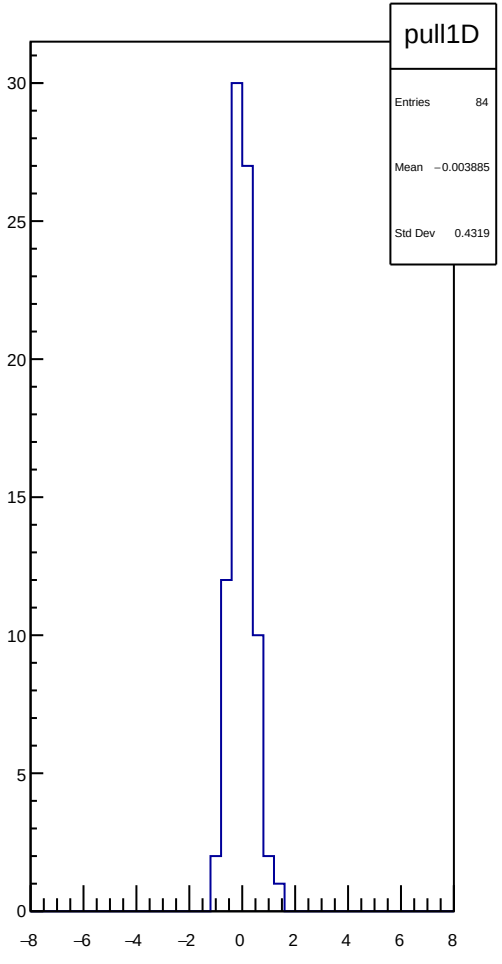

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.52 / 83
p0 81.53 ± 4.769
200
150
100
50
0
pull
Entries 84
Mean −2426
Std Dev 2453
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 84
Mean 0.001579
Std Dev 0.5291
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

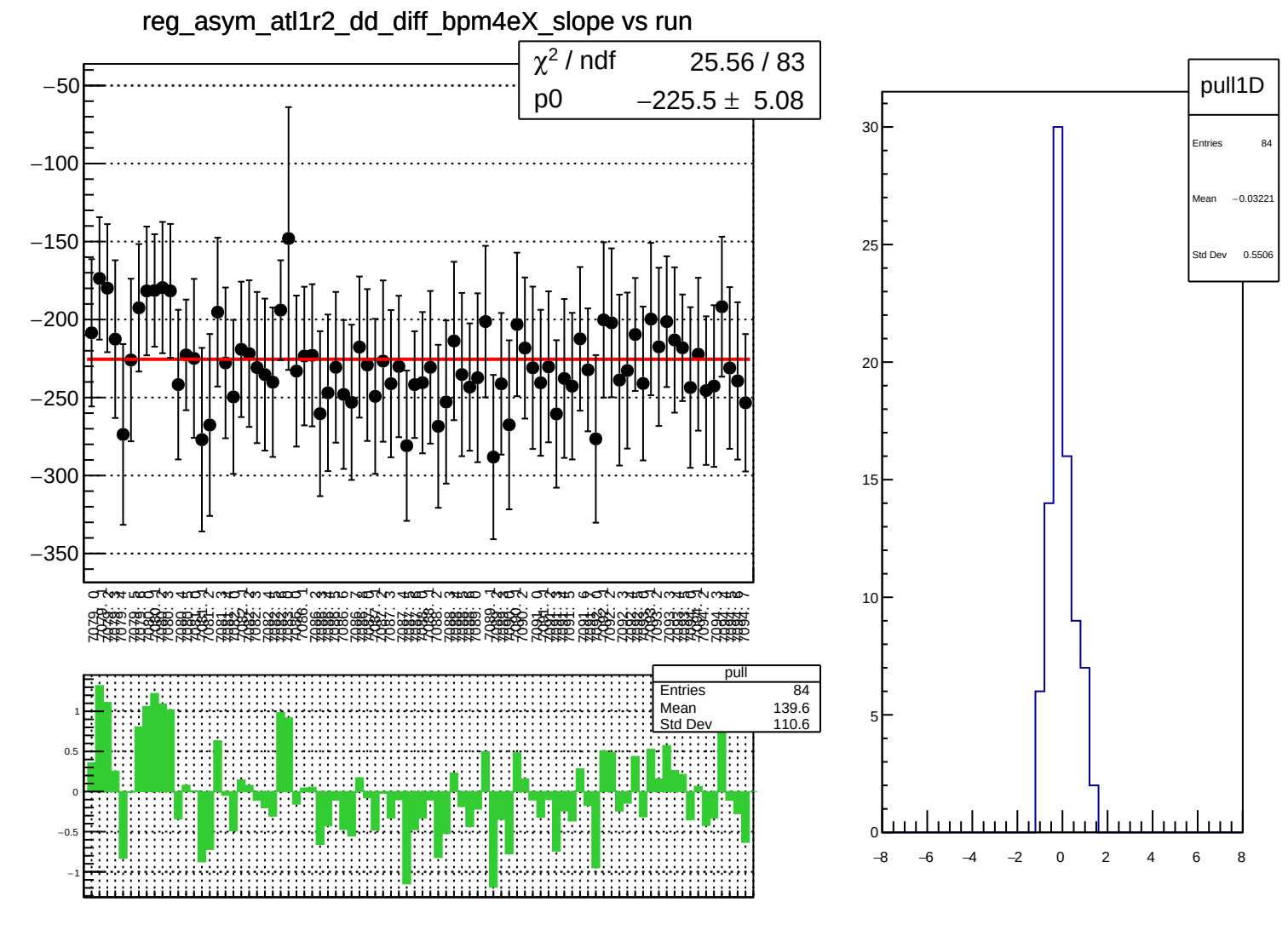

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 236.3 / 83
p0 −140.5 ± 0.229
−130
−135
−140
−145
−150
pull
Entries 84
Mean −914.8
Std Dev 948.9
pull1D
Entries 84
Mean 0.02905
Std Dev 1.677

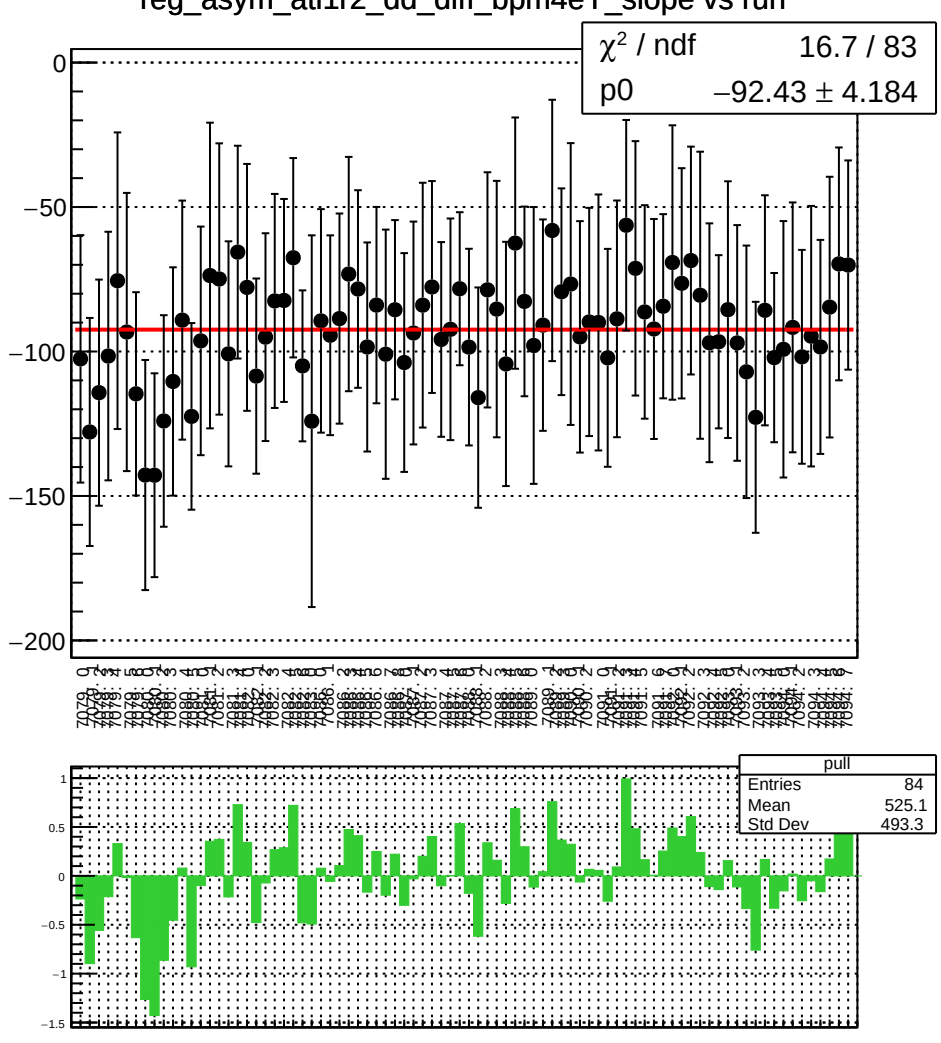

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 26.72 / 83
p0 199.9 ± 5.265
300
250
200
150
100
50
pull
Entries 84
Mean 149.5
Std Dev 120.9
1
0.5
0
−0.5
−1
−1.5

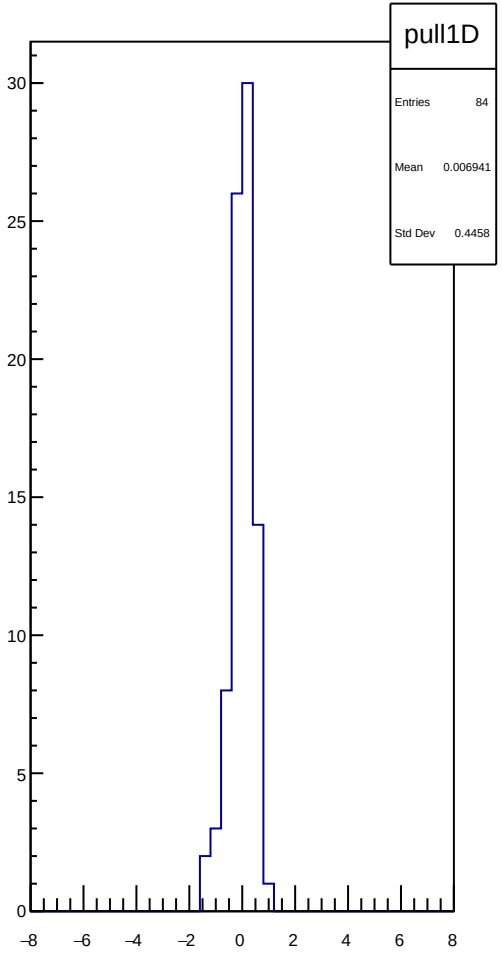

pull1D
Entries 84
Mean 0.03114
Std Dev 0.5631
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

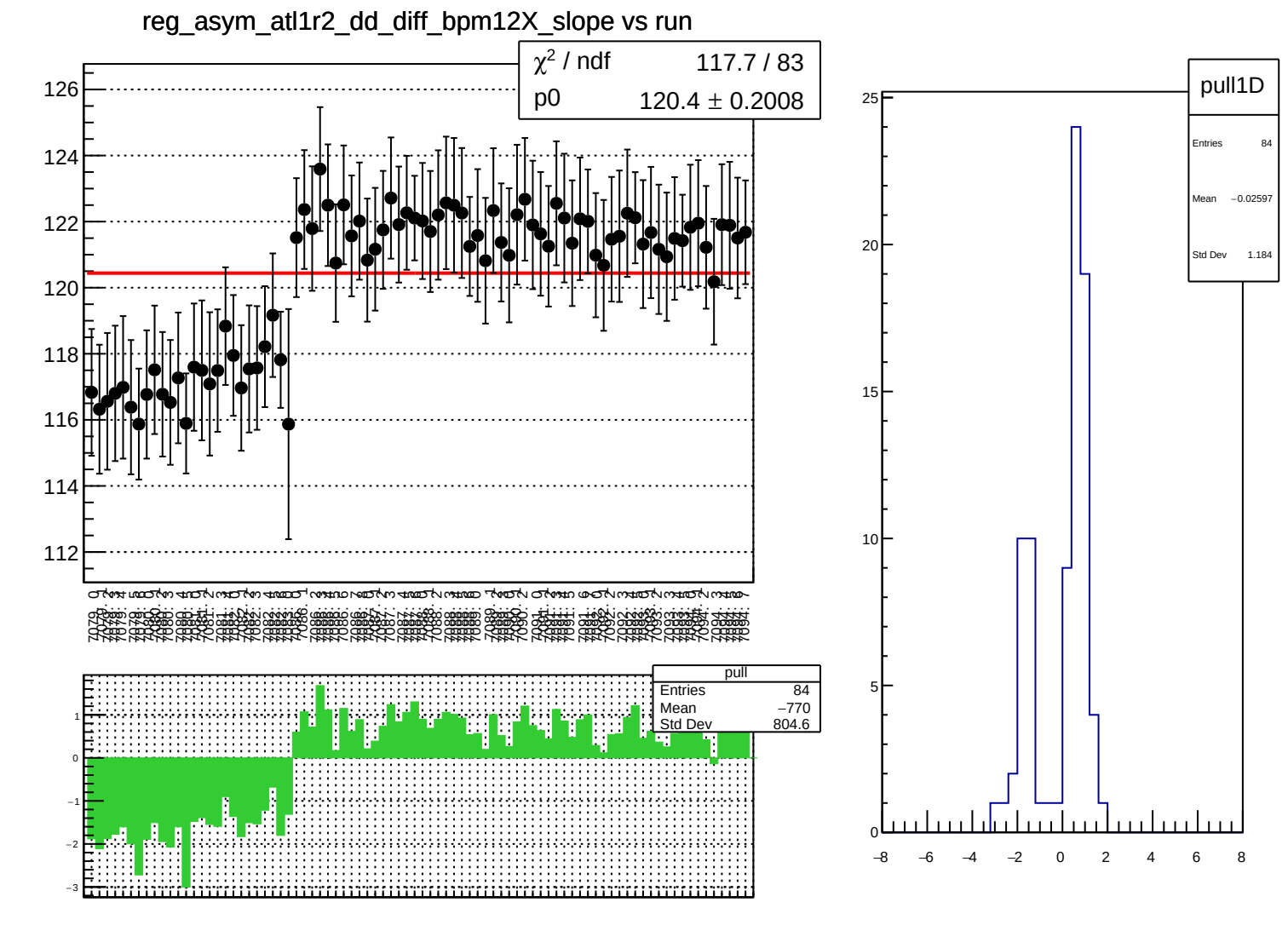

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.67 / 83
p0 16.09 ± 3.979
pull
Entries 84
Mean 894.7
Std Dev 862.4

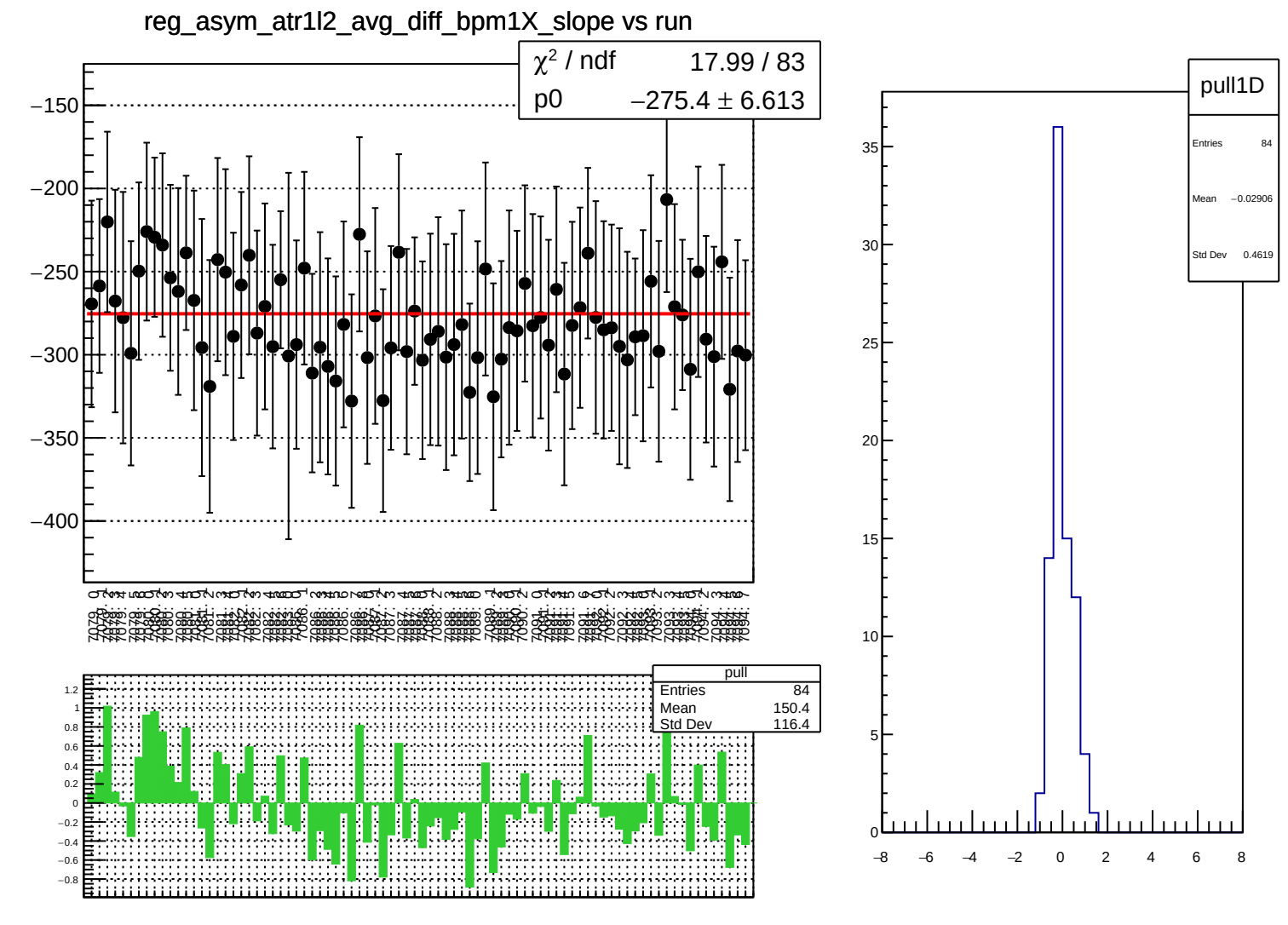

pull1D
Entries 84
Mean −0.003885
Std Dev 0.4319

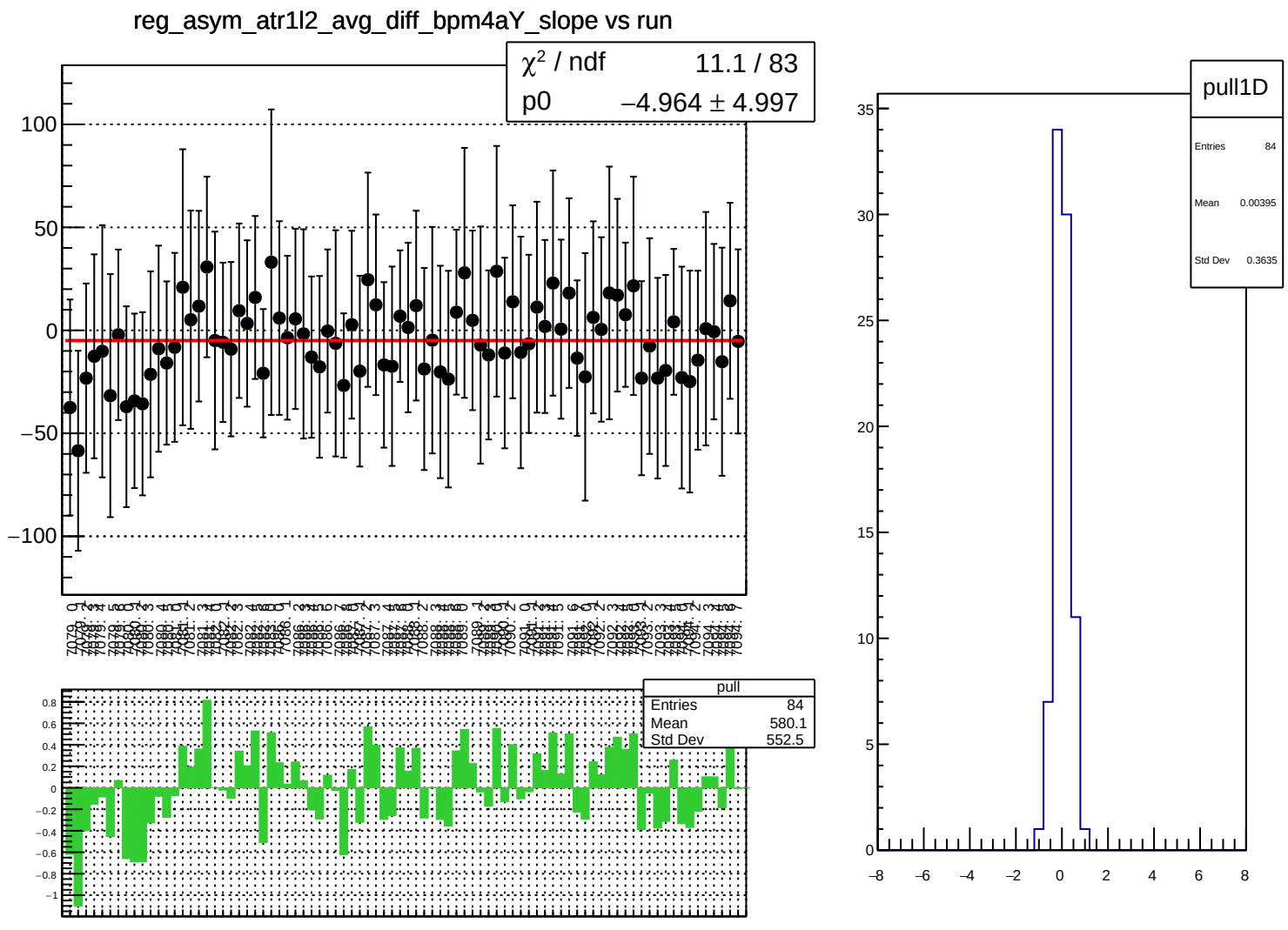

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.56 / 83
p0 −225.5 ± 5.08
pull
Entries 84
Mean 139.6
Std Dev 110.6
pull1D
Entries 84
Mean −0.03221
Std Dev 0.5506

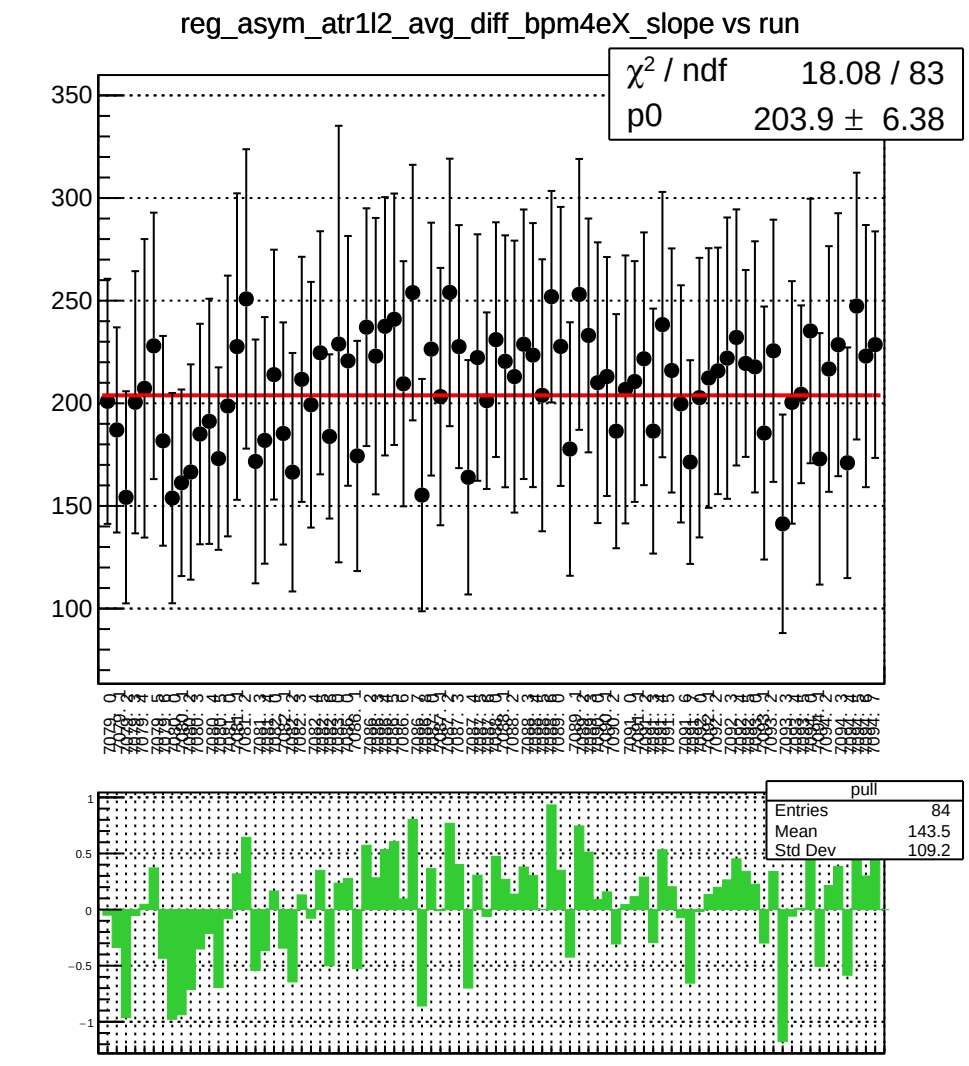

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 16.7 / 83
p0 −92.43 ± 4.184
pull
Entries 84
Mean 525.1
Std Dev 493.3

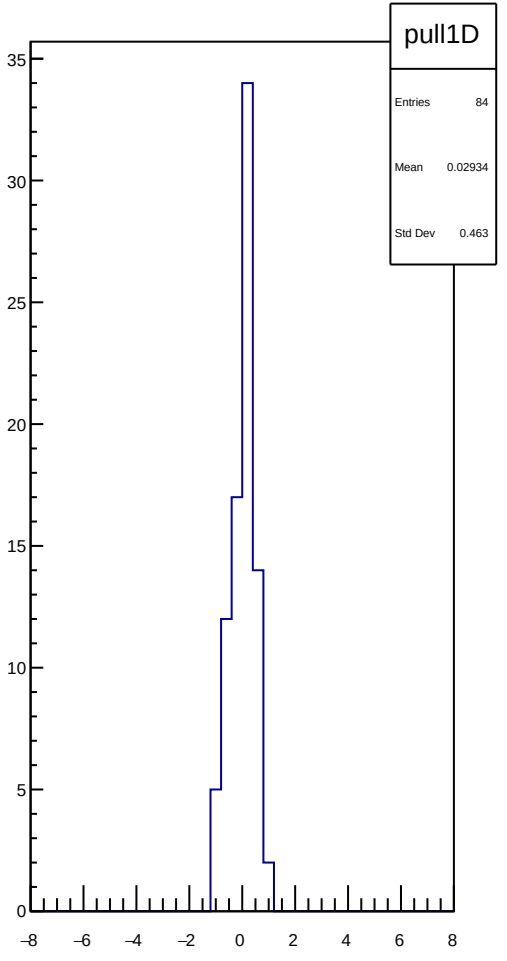

pull1D
Entries 84
Mean 0.006941
Std Dev 0.4458

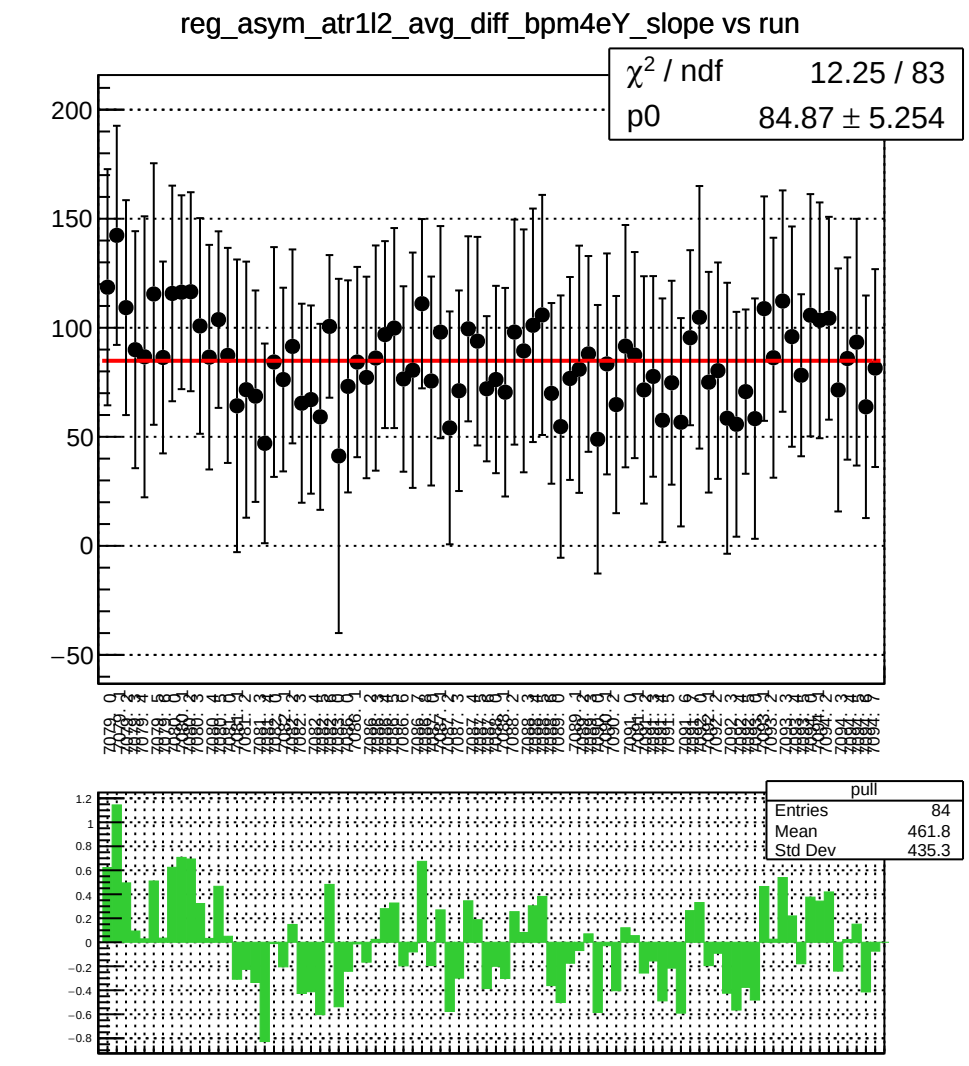

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 117.7 / 83
p0 120.4 ± 0.2008
126
124
122
120
118
116
114
112
pull
Entries 84
Mean −770
Std Dev 804.6
1
0
−1
−2
−3
pull1D
Entries 84
Mean −0.02597
Std Dev 1.184
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

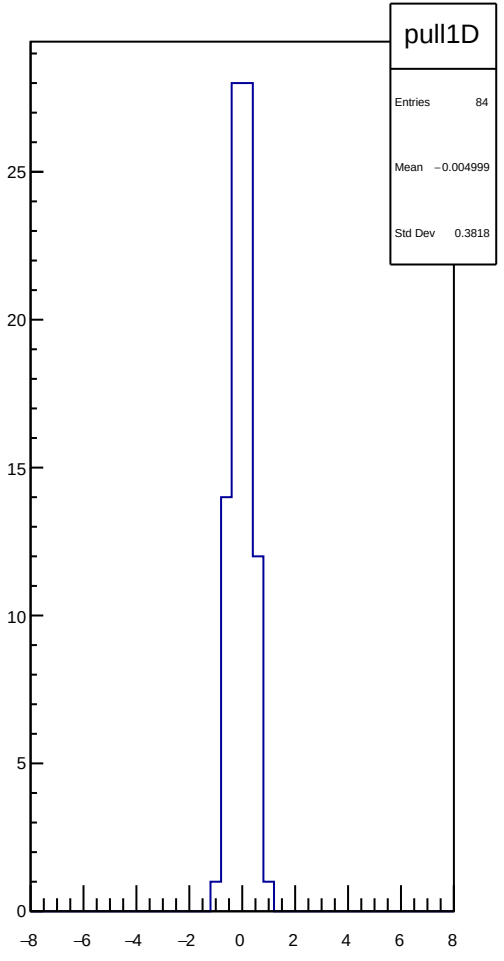

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 17.99 / 83
p0 −275.4 ± 6.613
−150
−200
−250
−300
−350
−400
pull
Entries 84
Mean 150.4
Std Dev 116.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 84
Mean −0.02906
Std Dev 0.4619
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

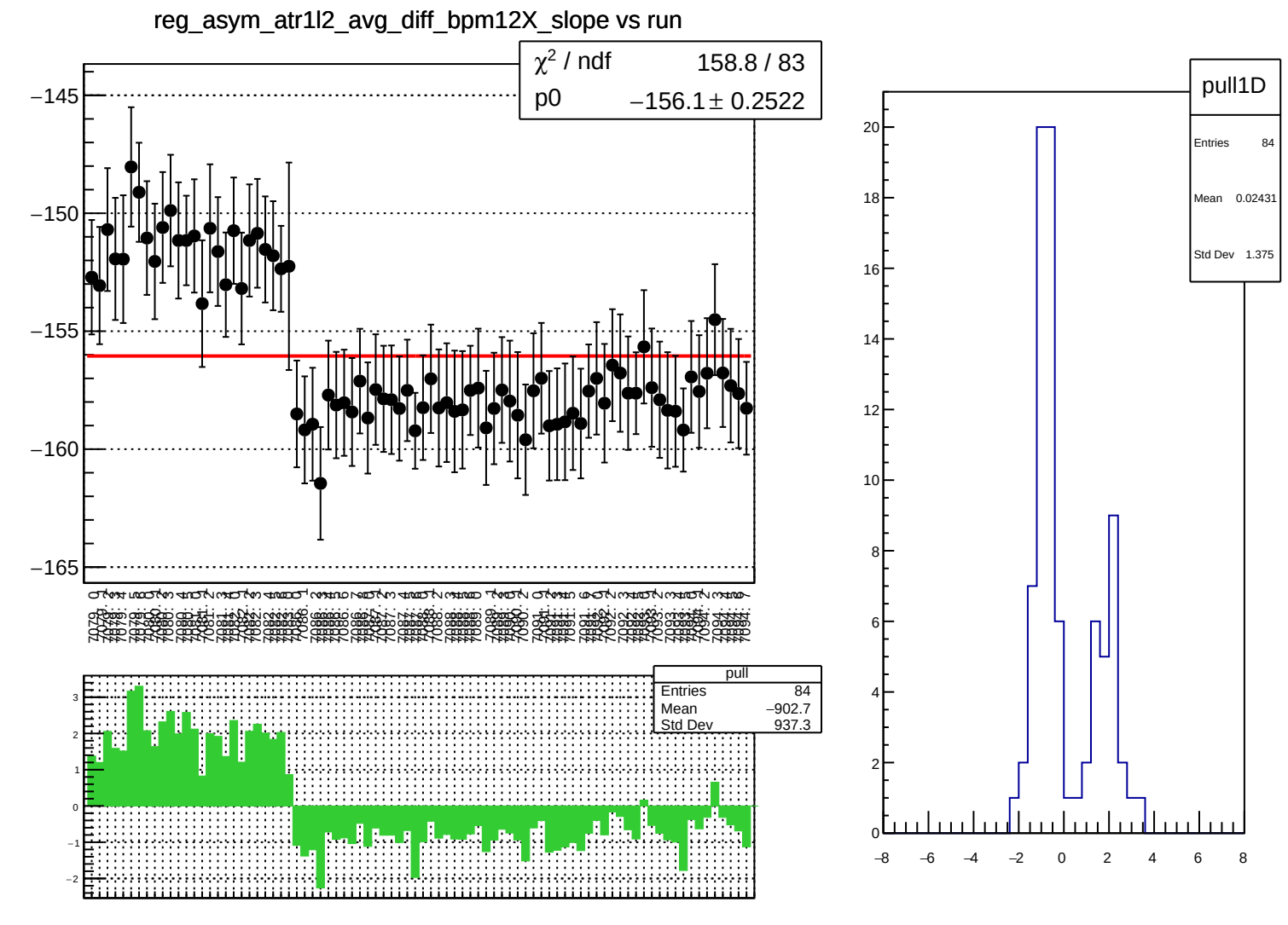

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.1 / 83
p0 −4.964 ± 4.997
100
50
0
−50
−100
pull
Entries 84
Mean 580.1
Std Dev 552.5
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 84
Mean 0.00395
Std Dev 0.3635
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

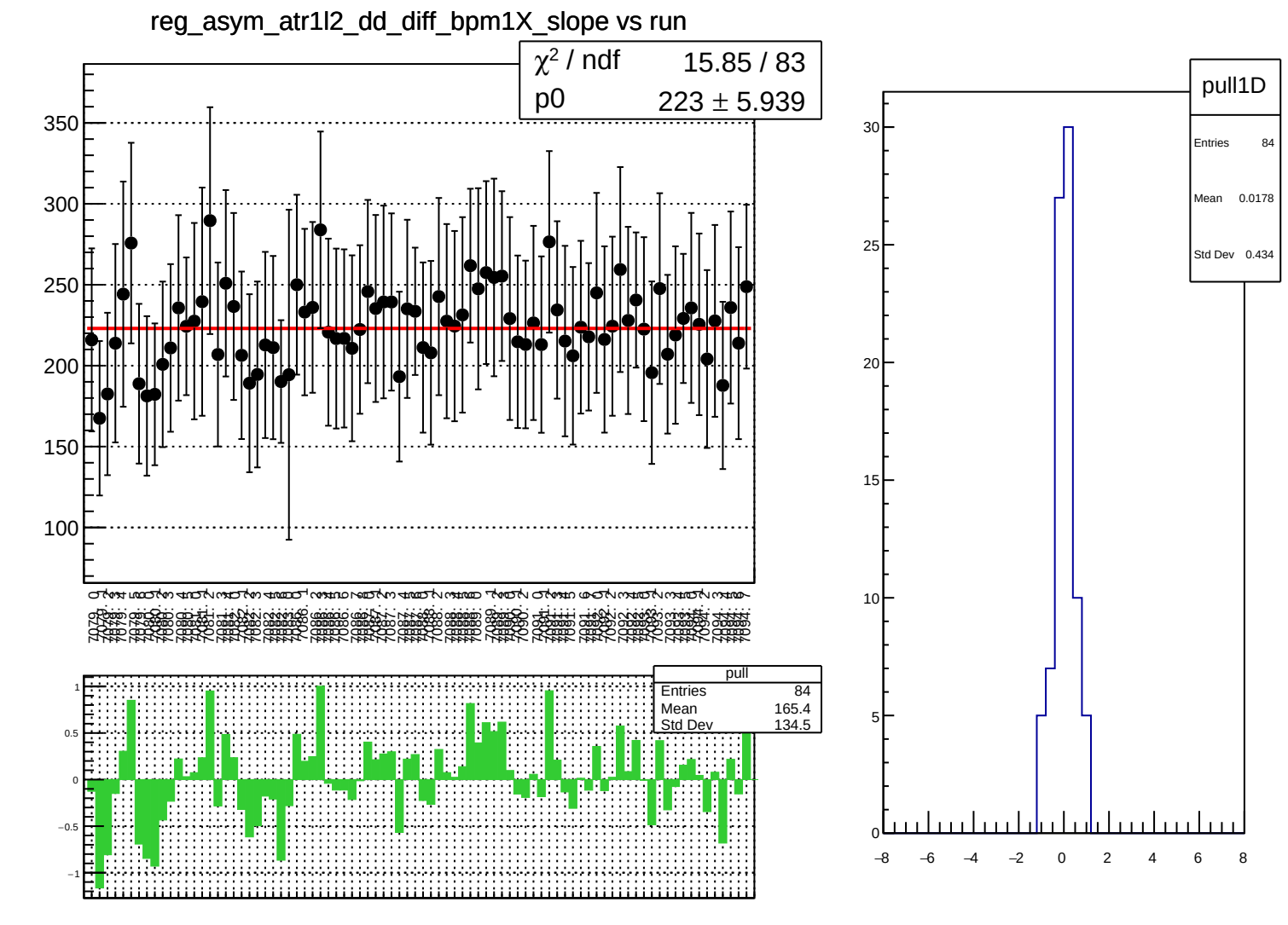

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.08 / 83
p0 203.9 ± 6.38
350
300
250
200
150
100
pull
Entries 84
Mean 143.5
Std Dev 109.2
1
0.5
0
−0.5
−1

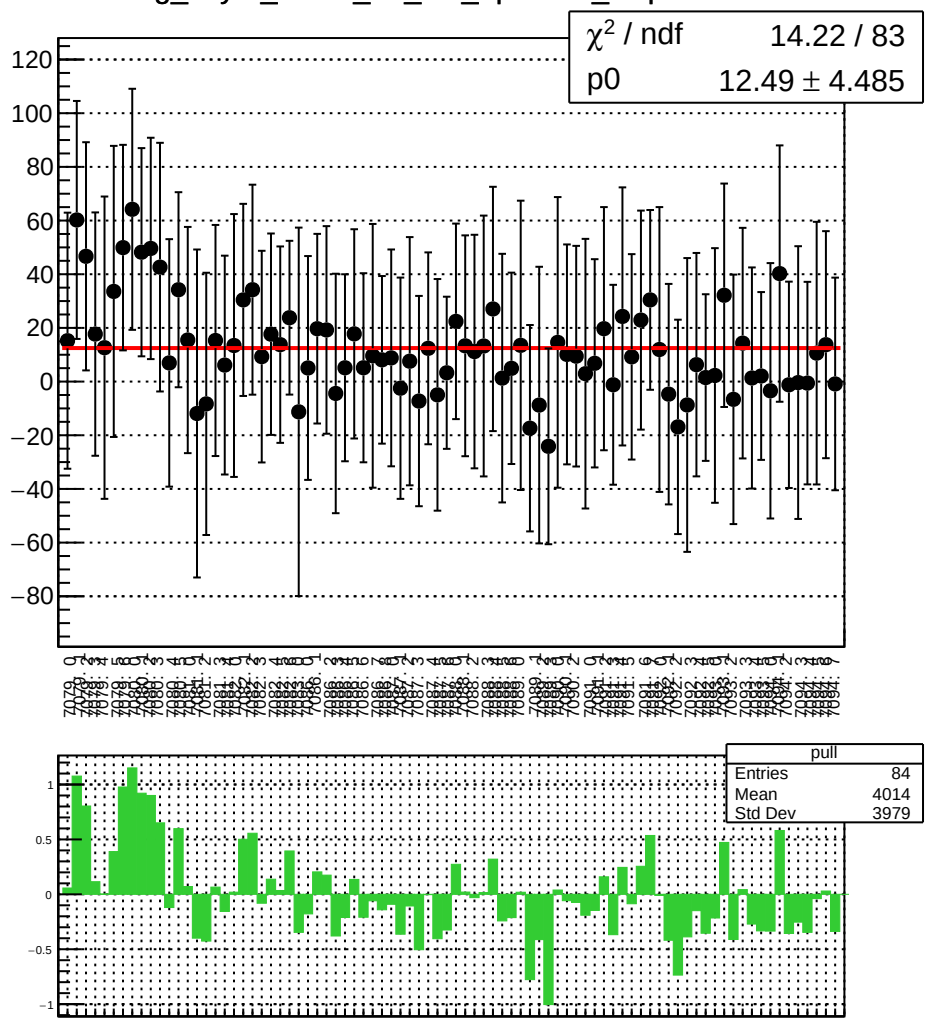

pull1D
Entries 84
Mean 0.02934
Std Dev 0.463
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

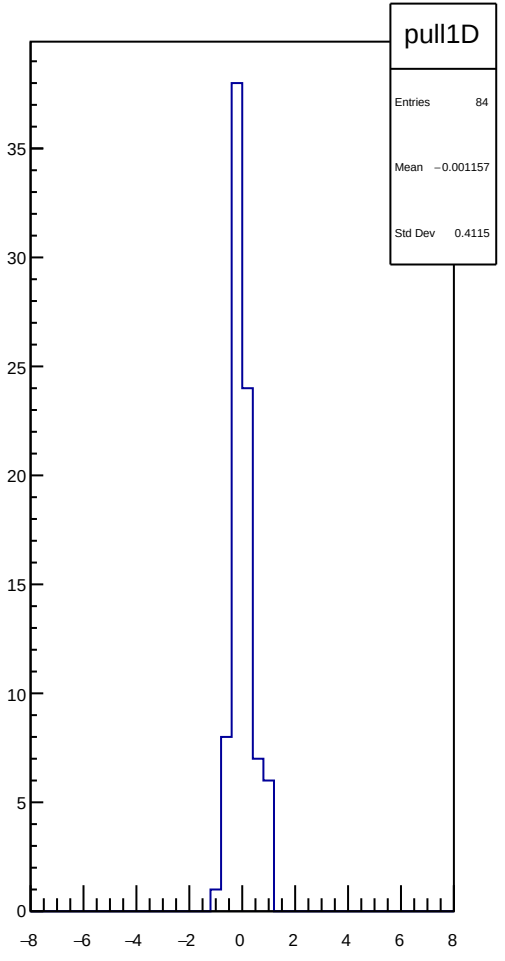

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.25 / 83
p0 84.87 ± 5.254
pull
Entries 84
Mean 461.8
Std Dev 435.3

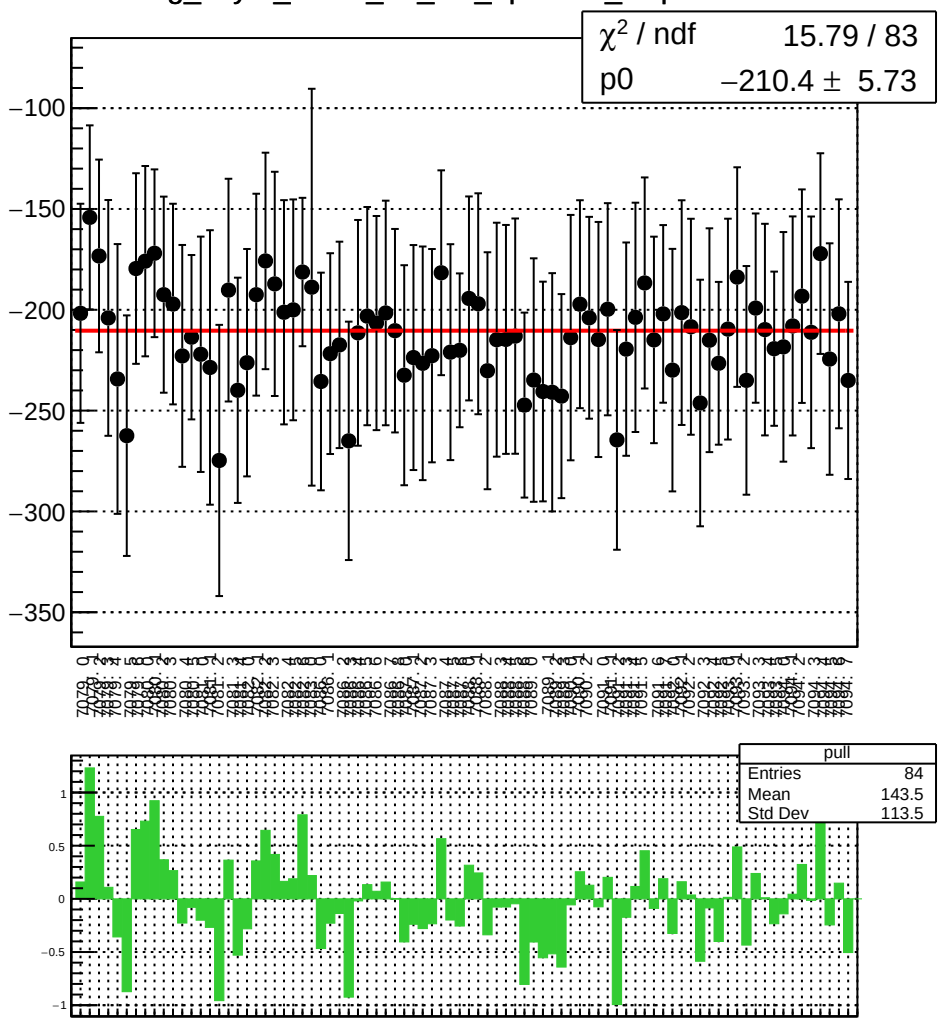

pull1D
Entries 84
Mean −0.004999
Std Dev 0.3818

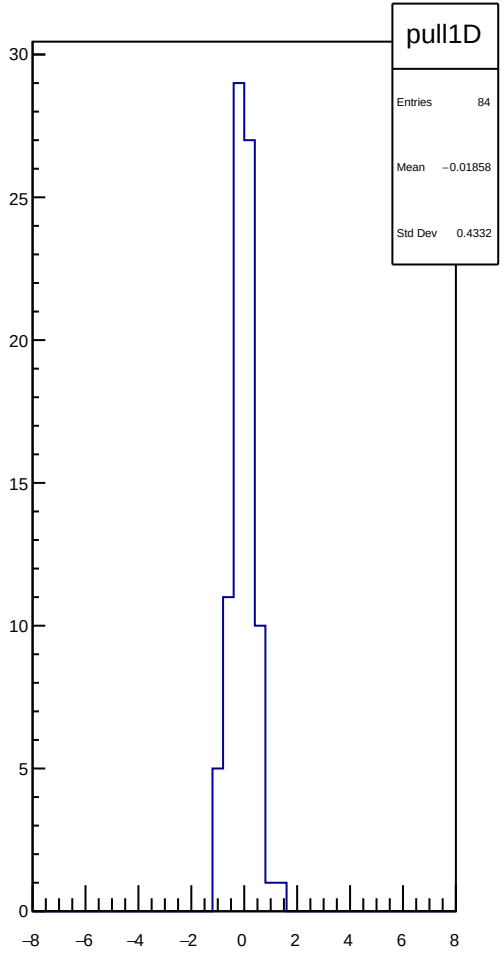

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 158.8 / 83
p0 −156.1 ± 0.2522
−145
−150
−155
−160
−165
pull
Entries 84
Mean −902.7
Std Dev 937.3
3
2
1
0
−1
−2
pull1D
Entries 84
Mean 0.02431
Std Dev 1.375
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

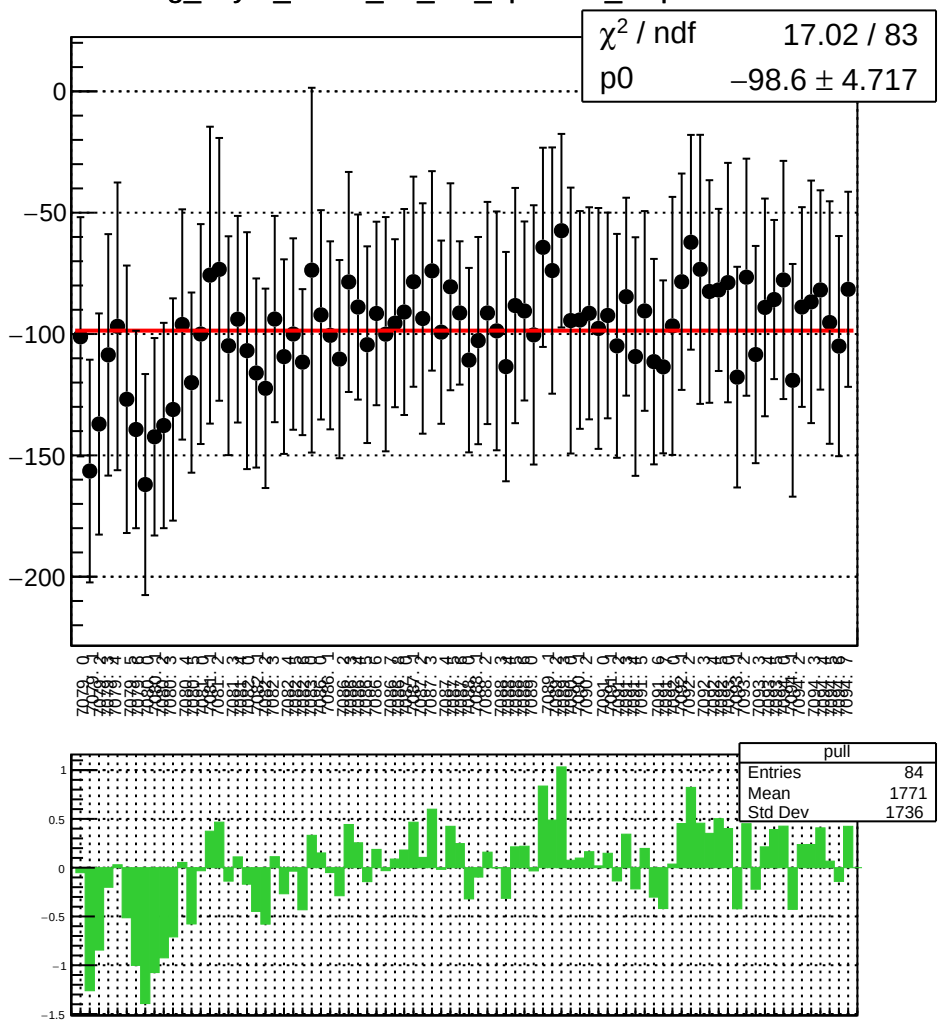

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 15.85 / 83
p0 223 ± 5.939
pull
Entries 84
Mean 165.4
Std Dev 134.5
pull1D
Entries 84
Mean 0.0178
Std Dev 0.434

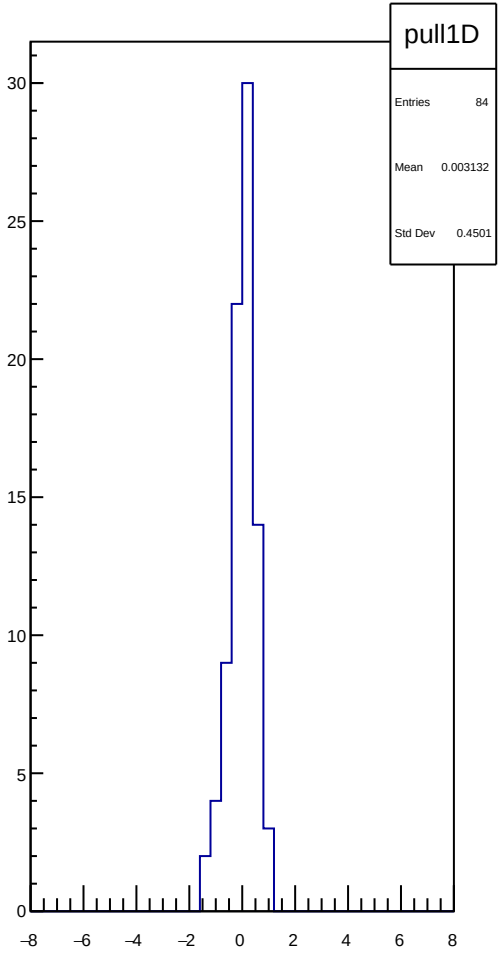

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.22 / 83
p0 12.49 ± 4.485
pull
Entries 84
Mean 4014
Std Dev 3979

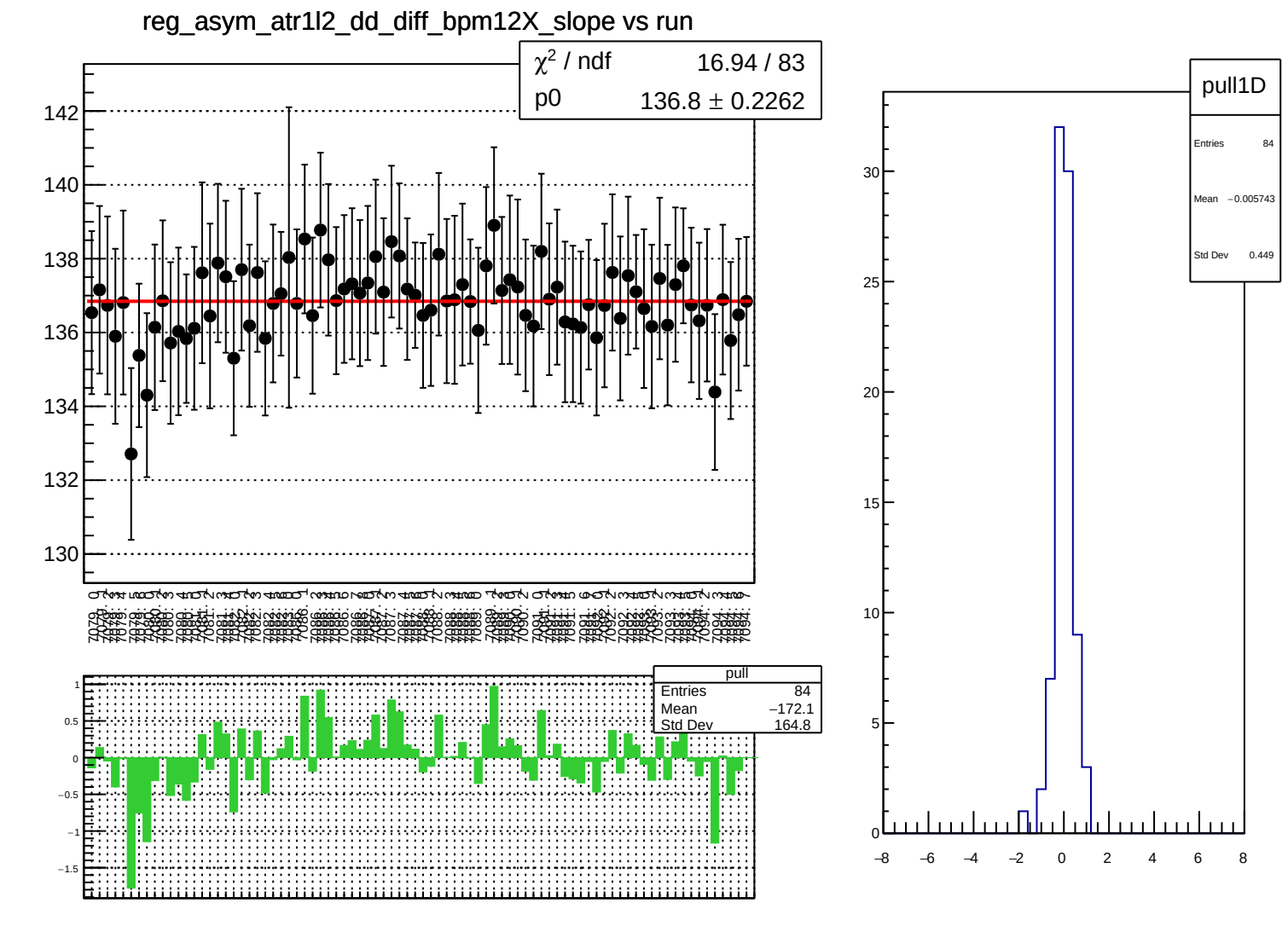

pull1D
Entries 84
Mean −0.001157
Std Dev 0.4115

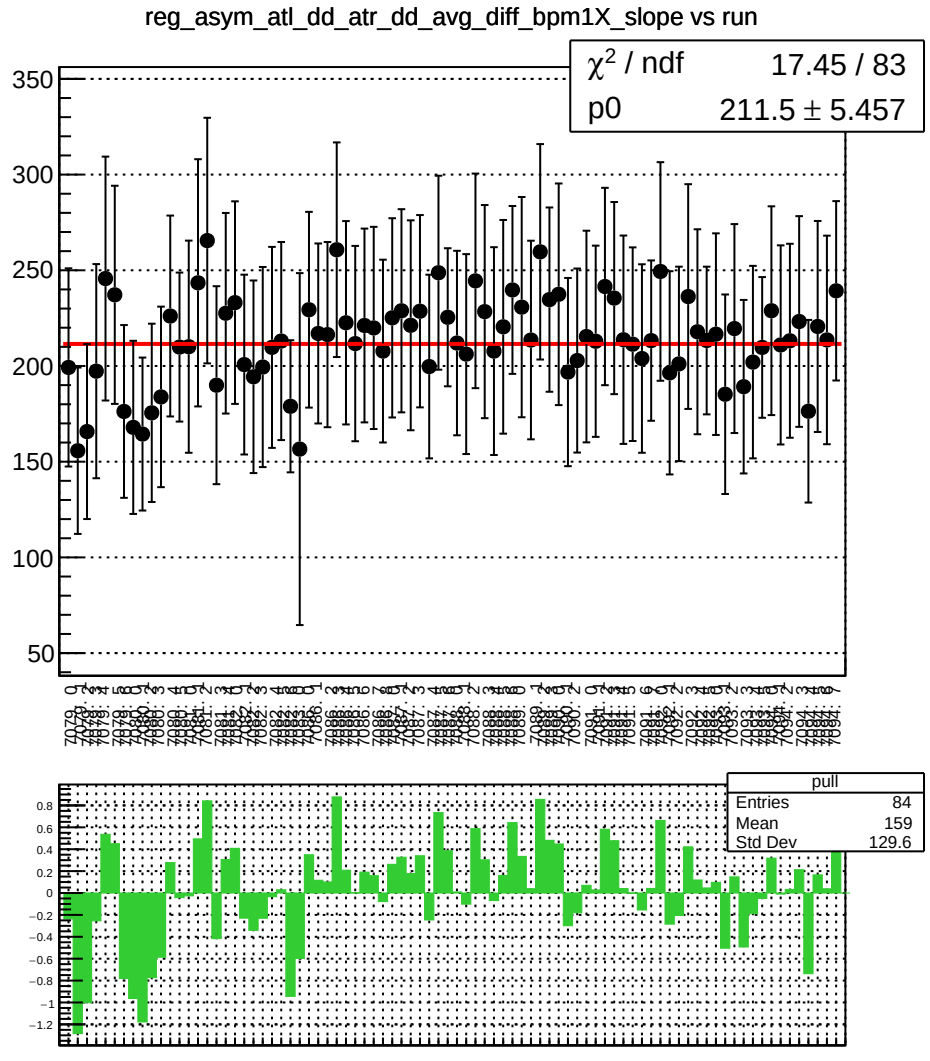

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.79 / 83
p0 −210.4 ± 5.73
−100
−150
−200
−250
−300
−350
pull
Entries 84
Mean 143.5
Std Dev 113.5
1
0.5
0
−0.5
−1

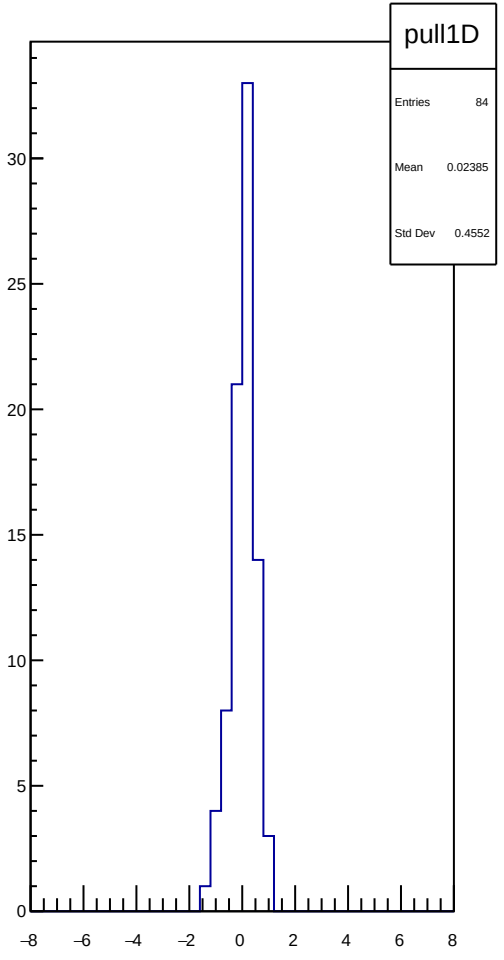

pull1D
Entries 84
Mean −0.01858
Std Dev 0.4332
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

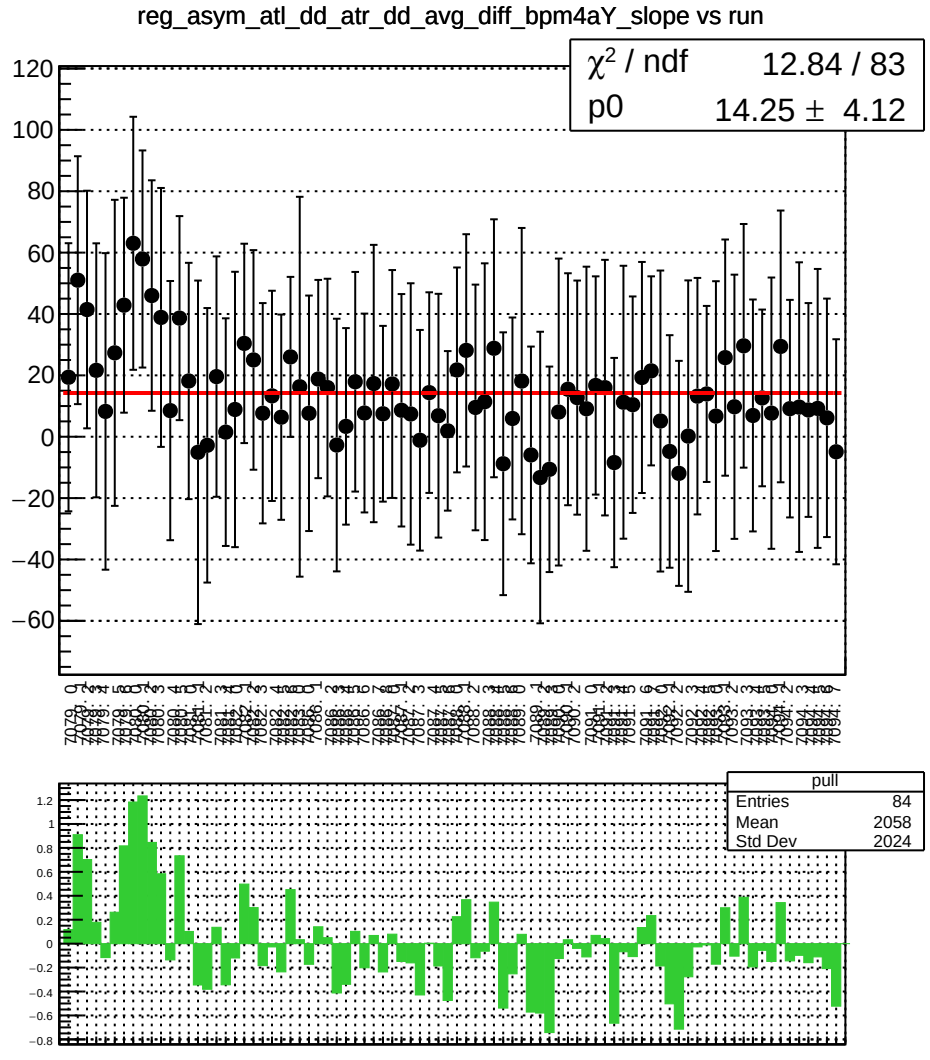

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 17.02 / 83
p0 −98.6 ± 4.717
0
−50
−100
−150
−200
pull
Entries 84
Mean 1771
Std Dev 1736
1
0.5
0
−0.5
−1
−1.5

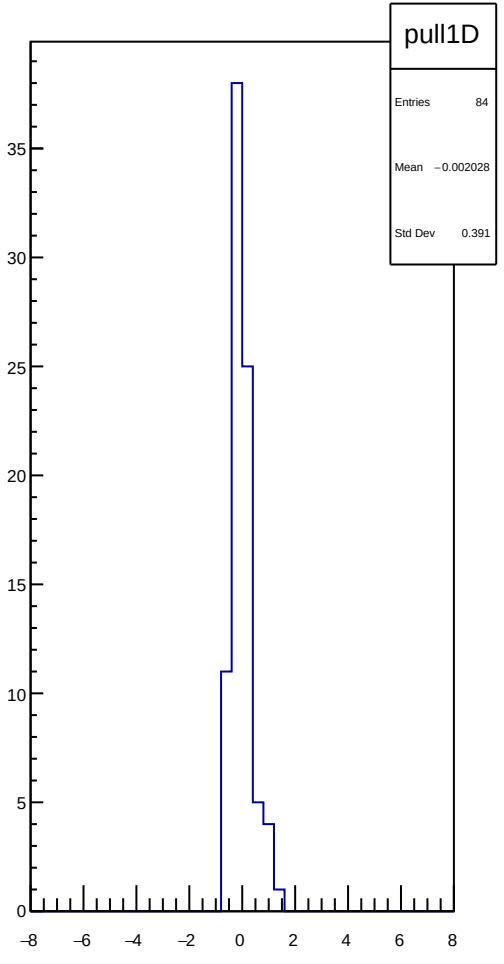

pull1D
Entries 84
Mean 0.003132
Std Dev 0.4501
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

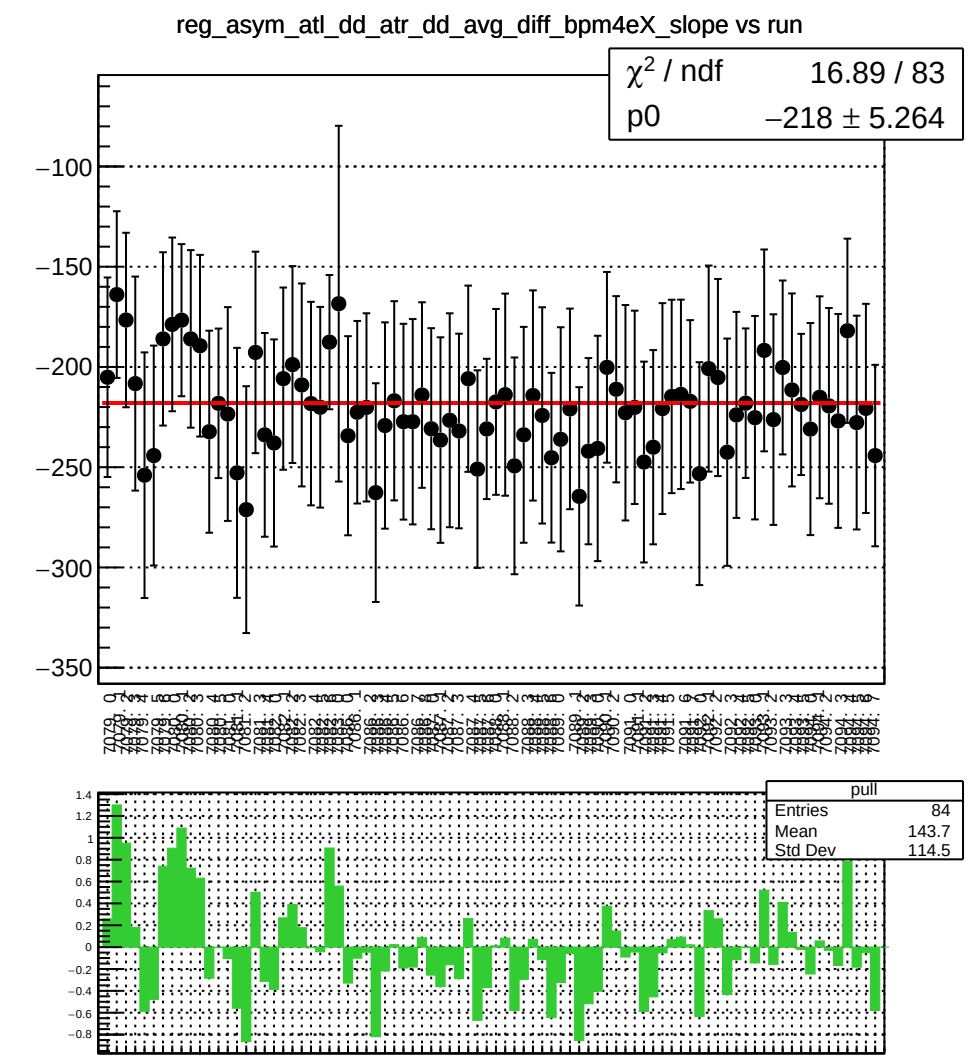

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 16.94 / 83
p0 136.8 ± 0.2262
142
140
138
136
134
132
130
pull
Entries 84
Mean −172.1
Std Dev 164.8
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.005743
Std Dev 0.449
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

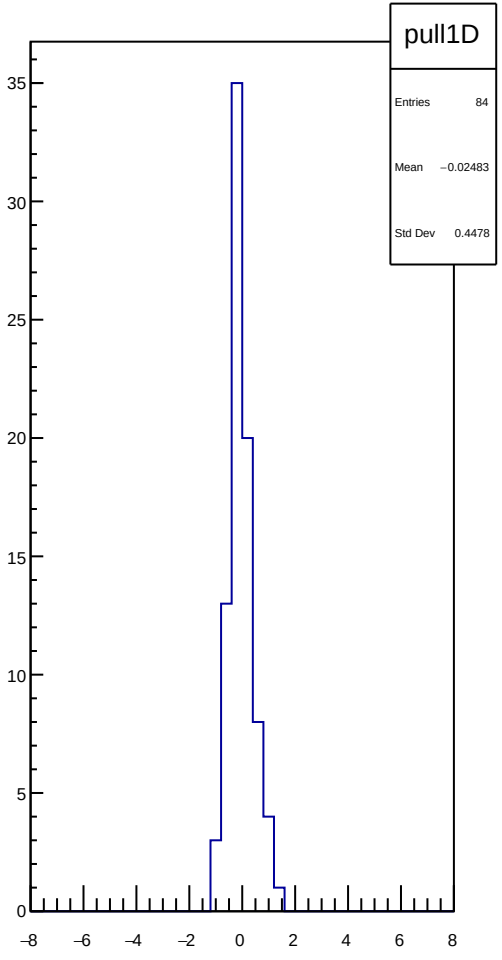

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 17.45 / 83
p0 211.5 ± 5.457
pull
Entries 84
Mean 159
Std Dev 129.6

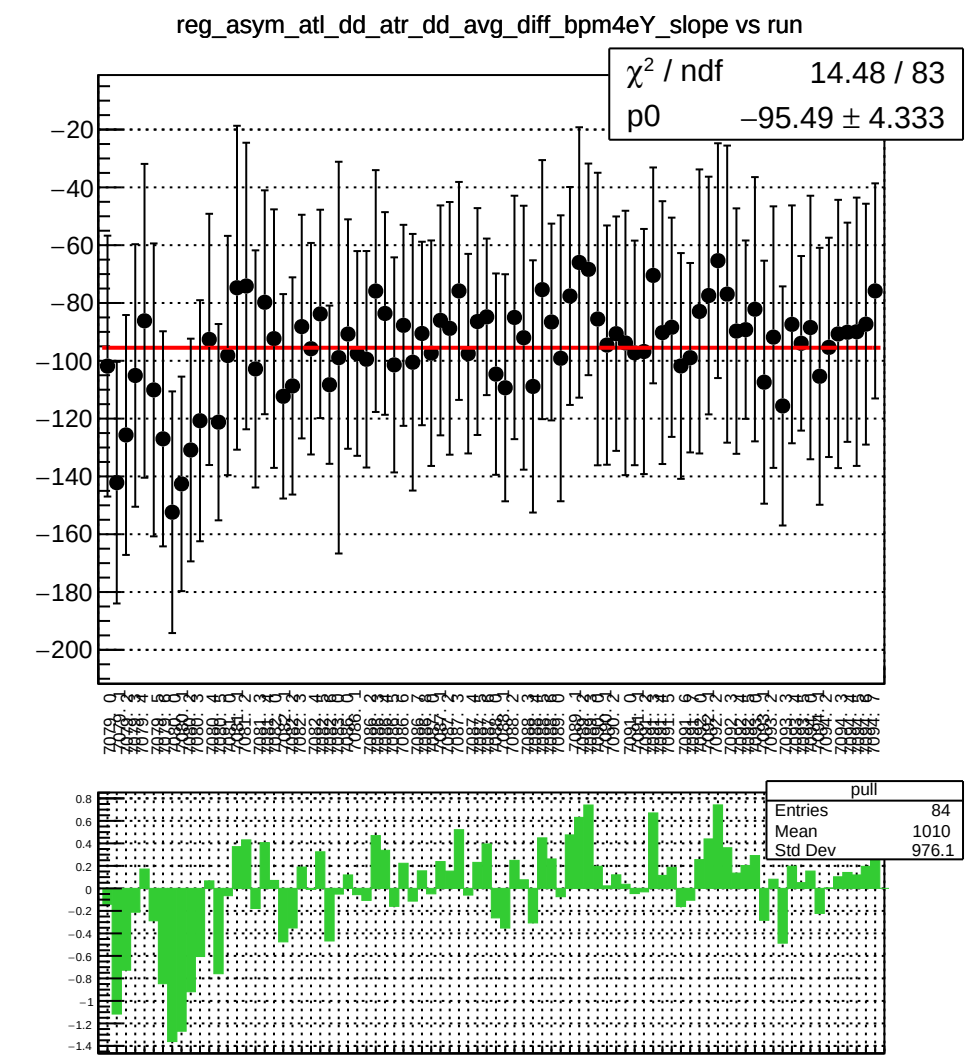

pull1D
Entries 84
Mean 0.02385
Std Dev 0.4552

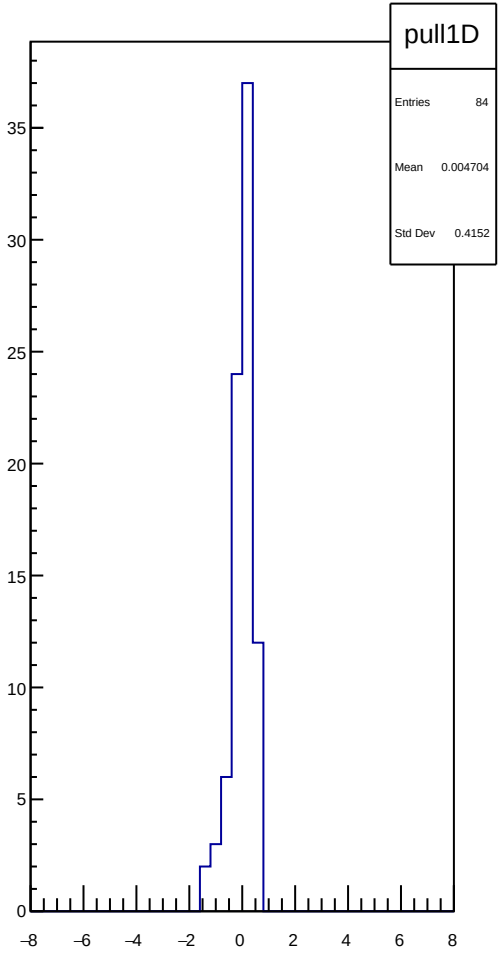

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.84 / 83
p0 14.25 ± 4.12
pull
Entries 84
Mean 2058
Std Dev 2024

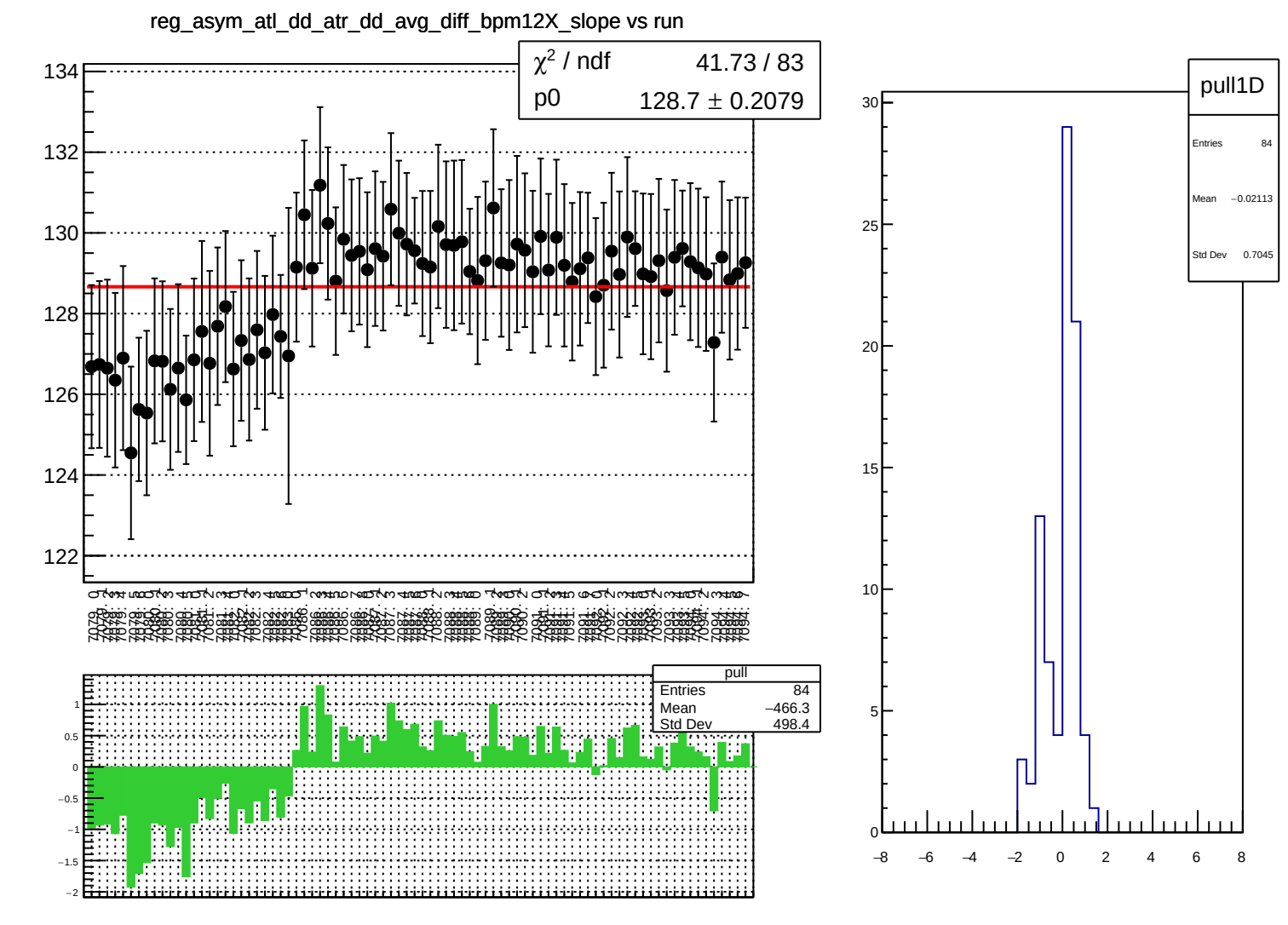

pull1D
Entries 84
Mean −0.002028
Std Dev 0.391

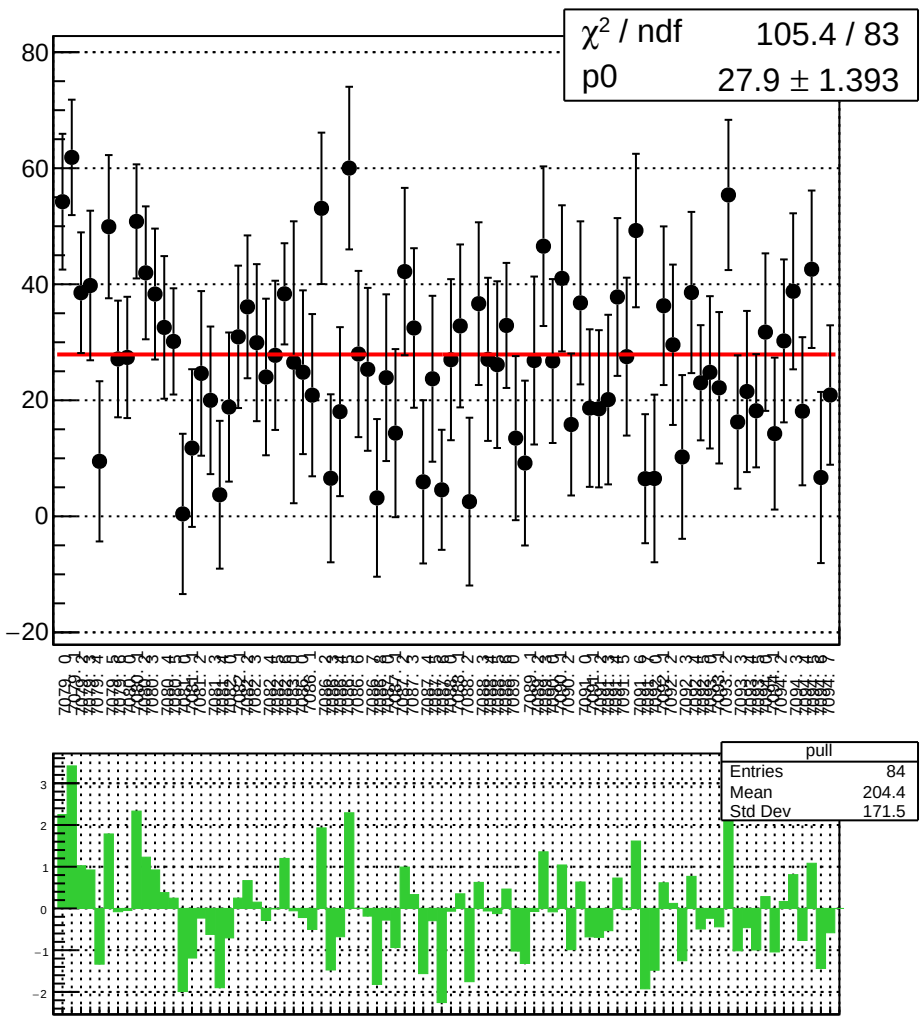

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 16.89 / 83
p0 −218 ± 5.264
pull
Entries 84
Mean 143.7
Std Dev 114.5

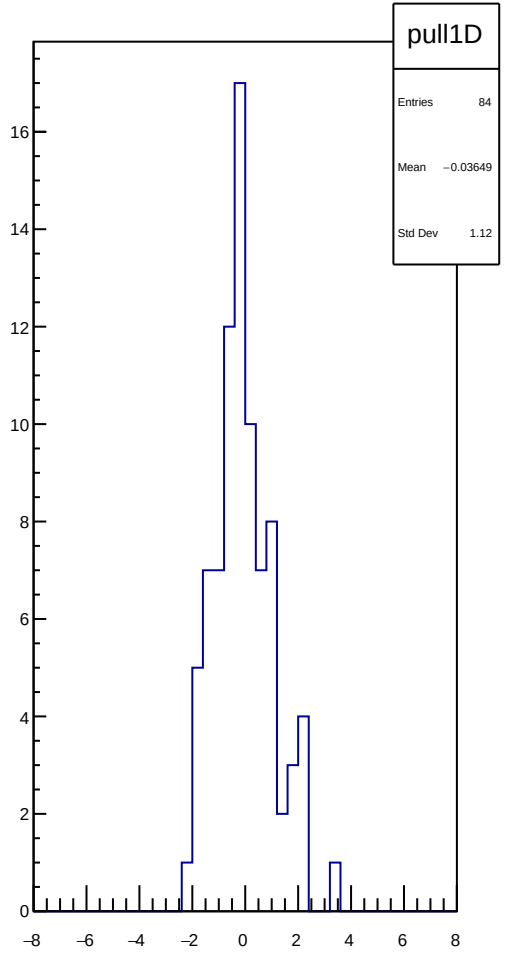

pull1D
Entries 84
Mean −0.02483
Std Dev 0.4478

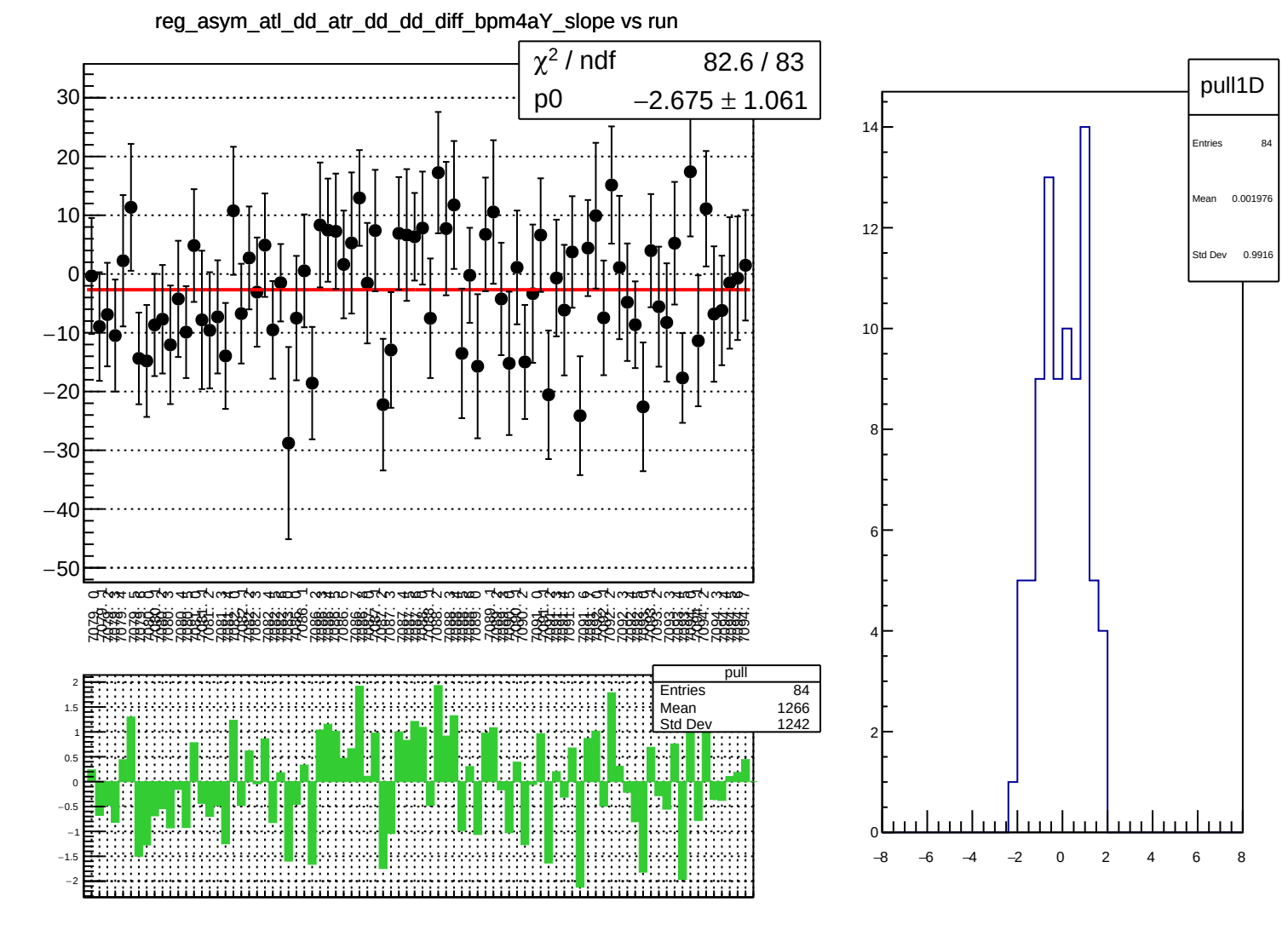

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.48 / 83
p0 −95.49 ± 4.333
pull
Entries 84
Mean 1010
Std Dev 976.1

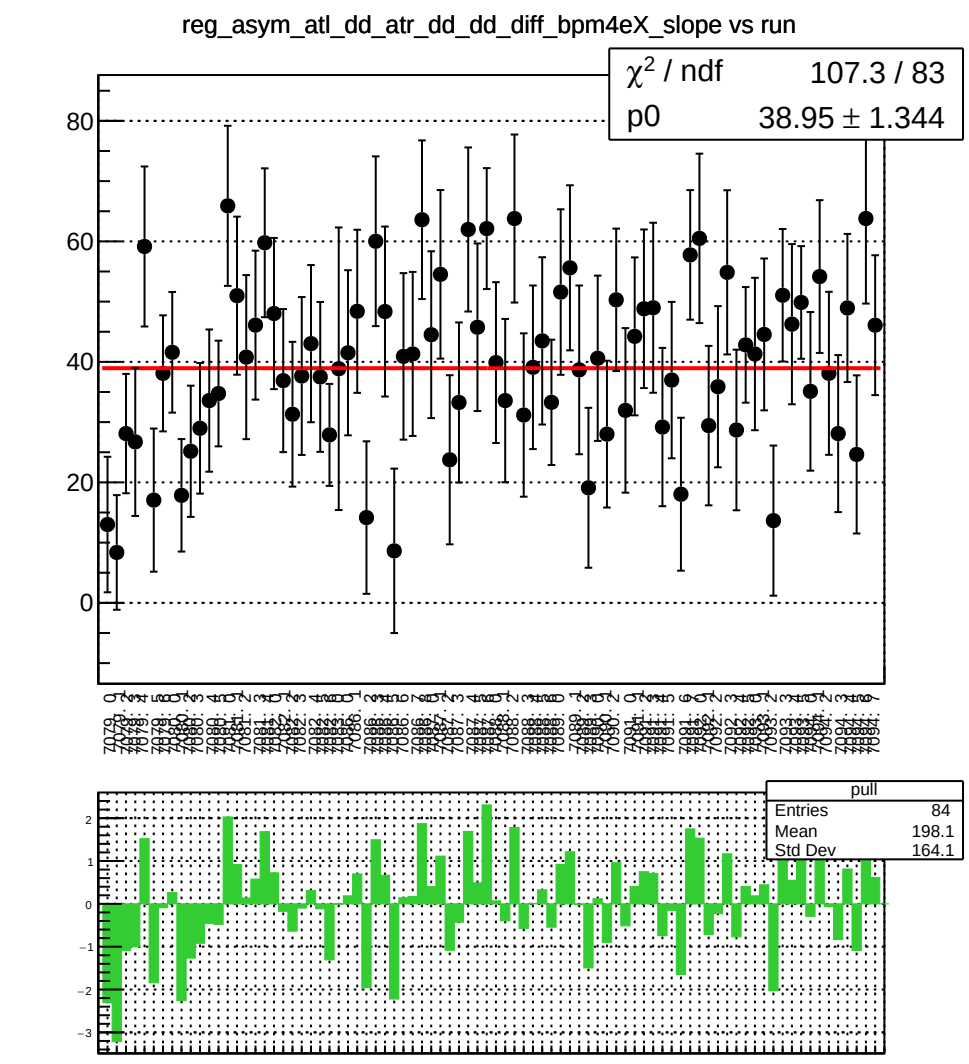

pull1D
Entries 84
Mean 0.004704
Std Dev 0.4152

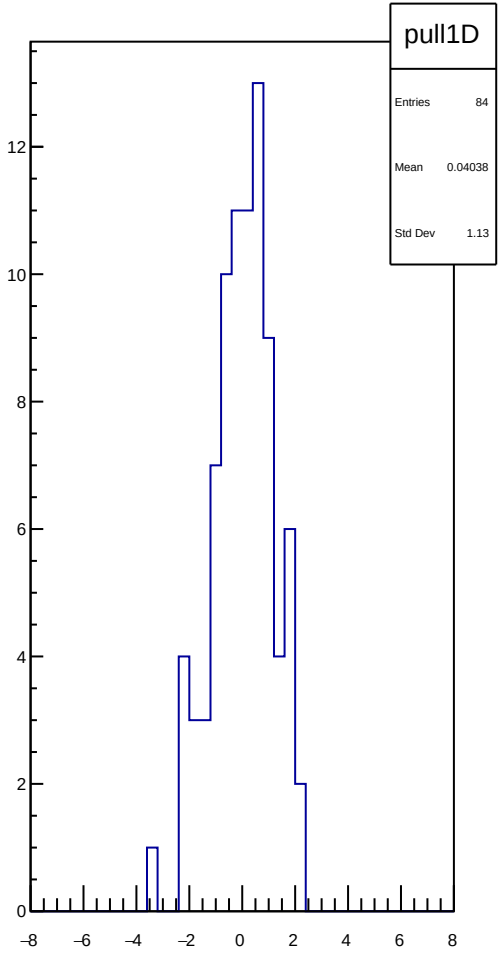

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 41.73 / 83
p0 128.7 ± 0.2079
134
132
130
128
126
124
122
pull
Entries 84
Mean −466.3
Std Dev 498.4
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 84
Mean −0.02113
Std Dev 0.7045
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

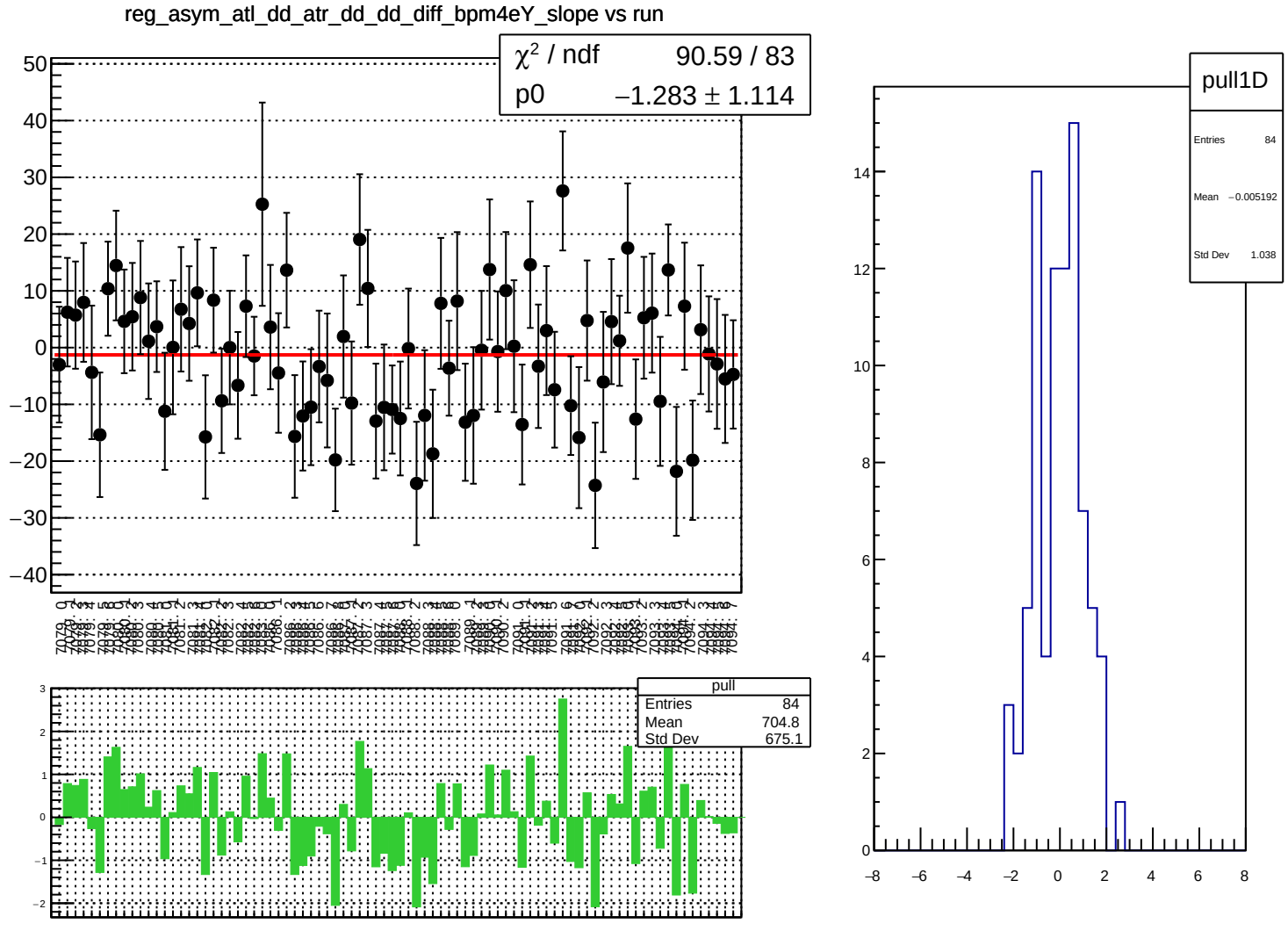

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 105.4 / 83
p0 27.9 ± 1.393
pull
Entries 84
Mean 204.4
Std Dev 171.5

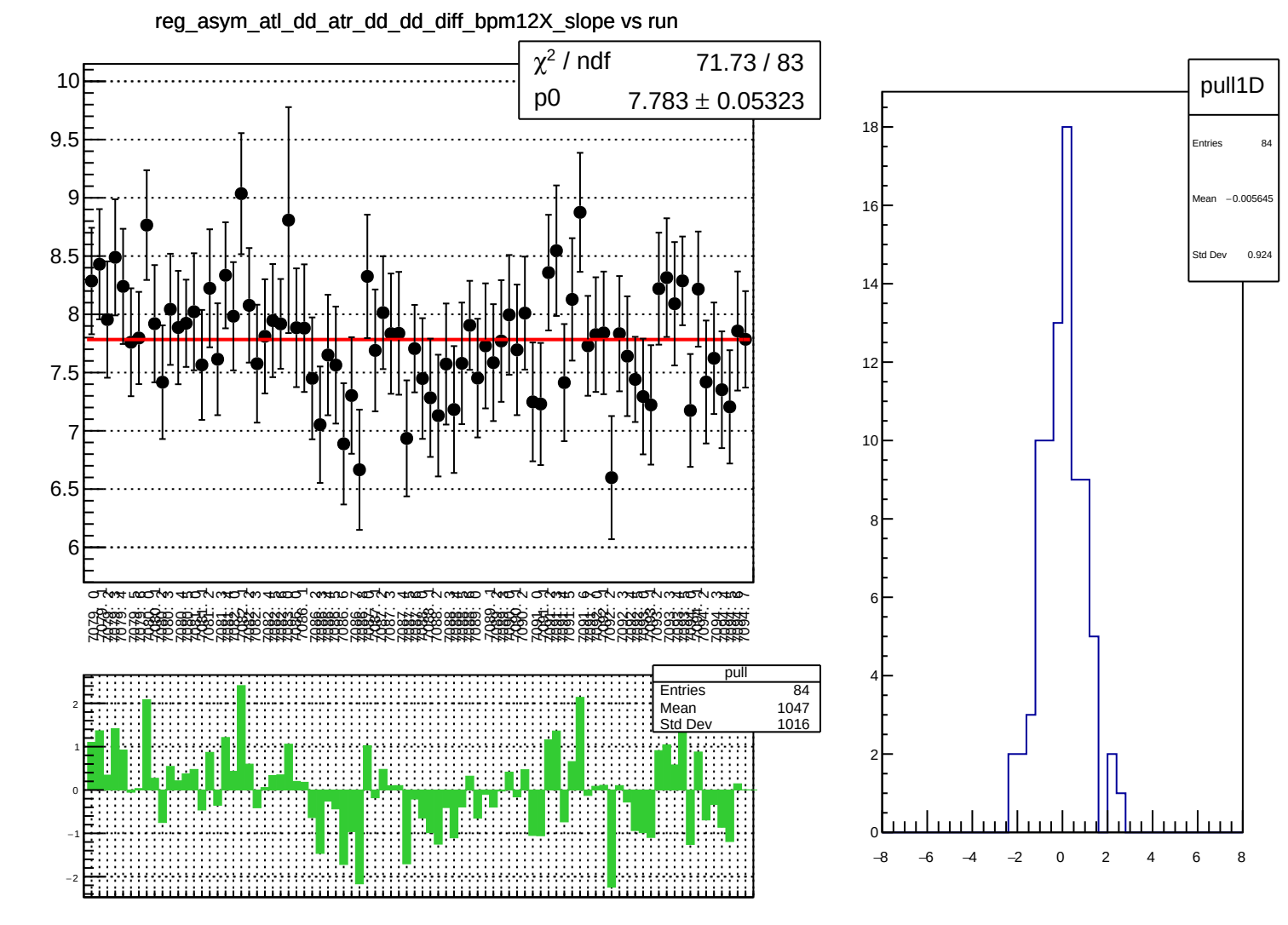

pull1D
Entries 84
Mean −0.03649
Std Dev 1.12

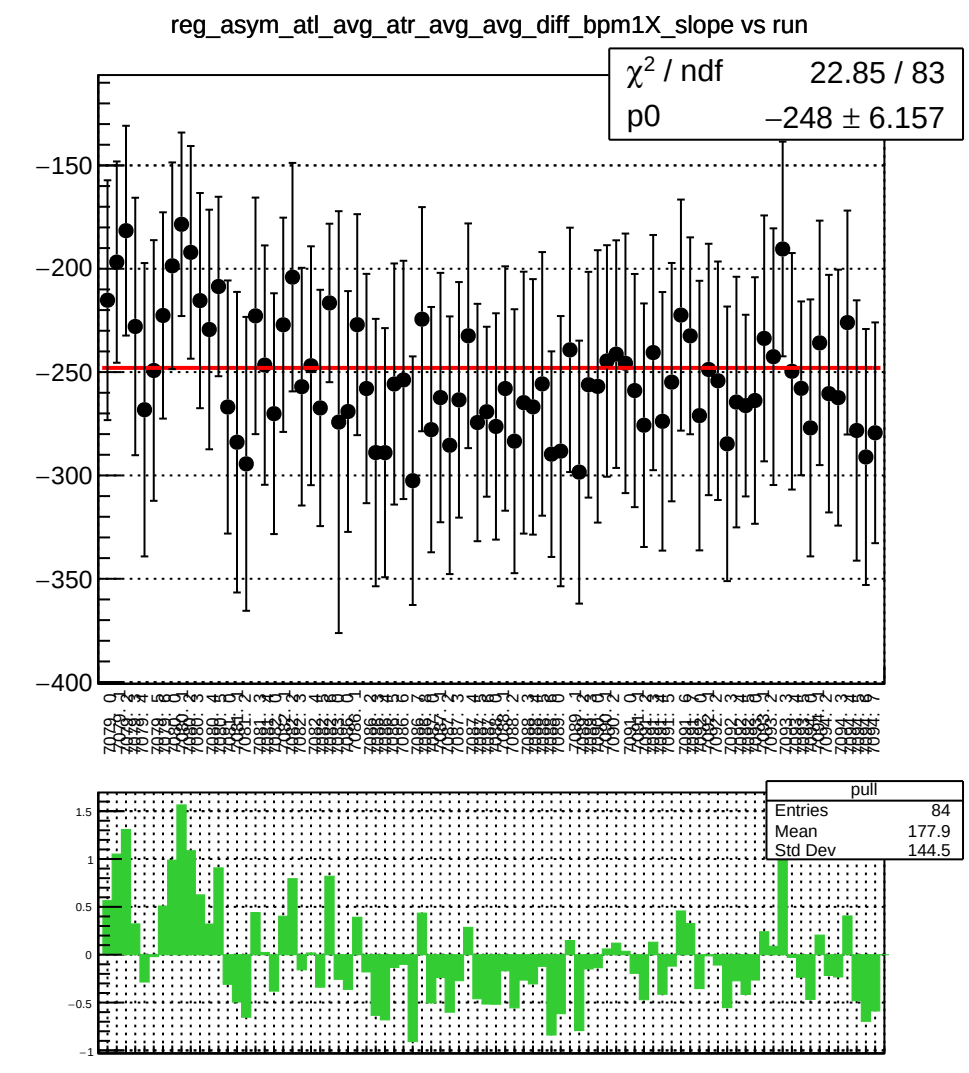

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 82.6 / 83
p0 −2.675 ± 1.061
pull
Entries 84
Mean 1266
Std Dev 1242
pull1D
Entries 84
Mean 0.001976
Std Dev 0.9916

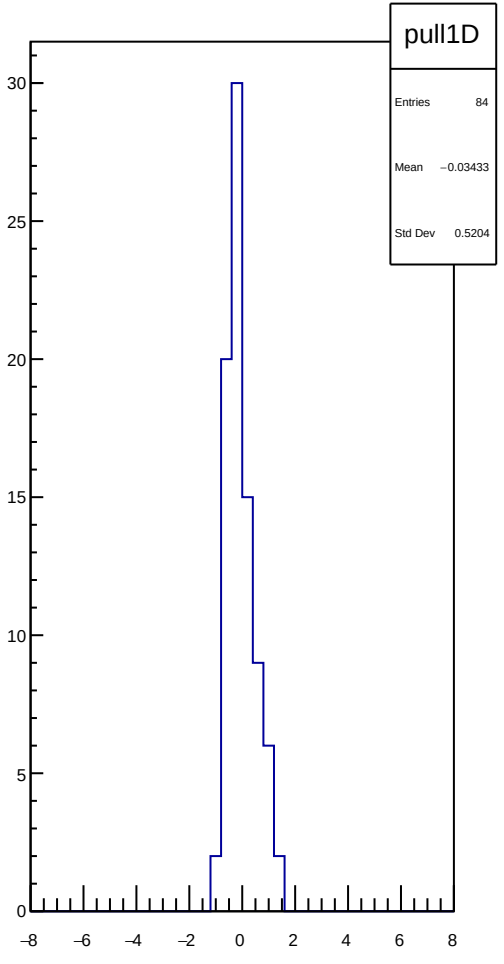

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 107.3 / 83
p0 38.95 ± 1.344
pull
Entries 84
Mean 198.1
Std Dev 164.1

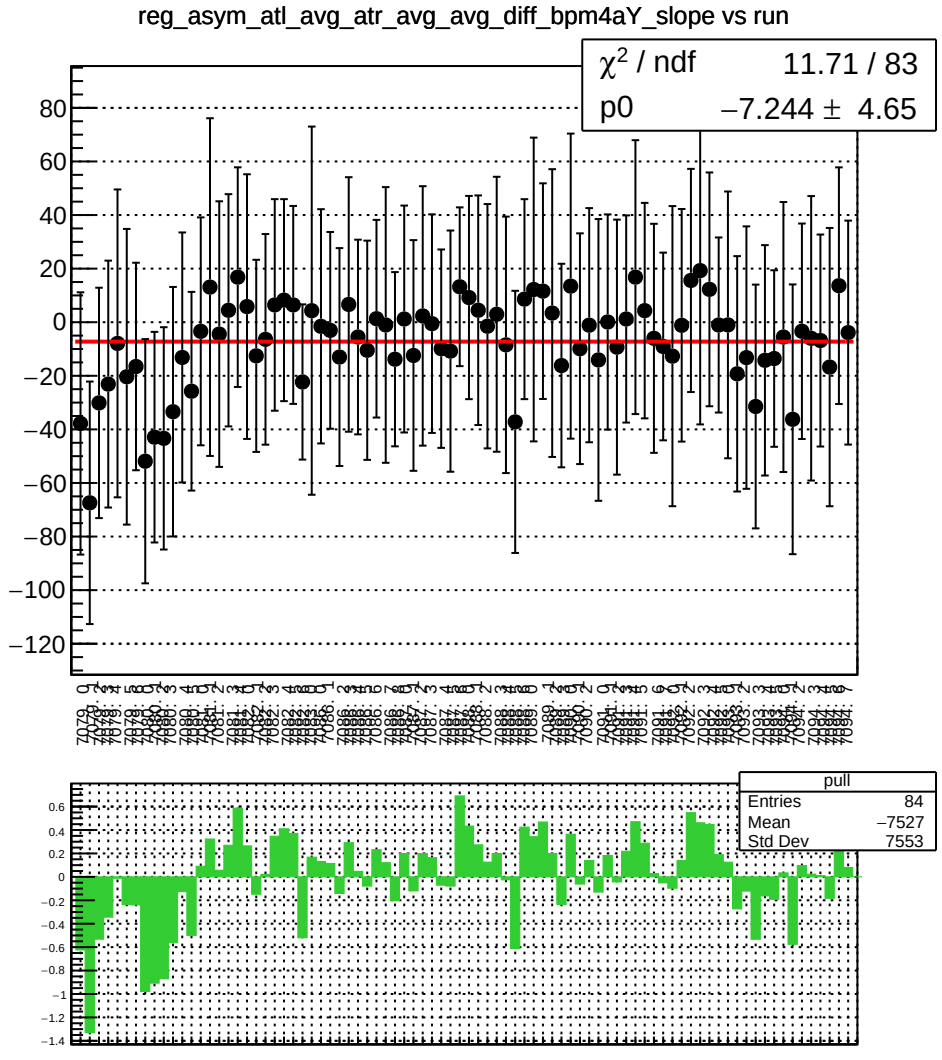

pull1D
Entries 84
Mean 0.04038
Std Dev 1.13

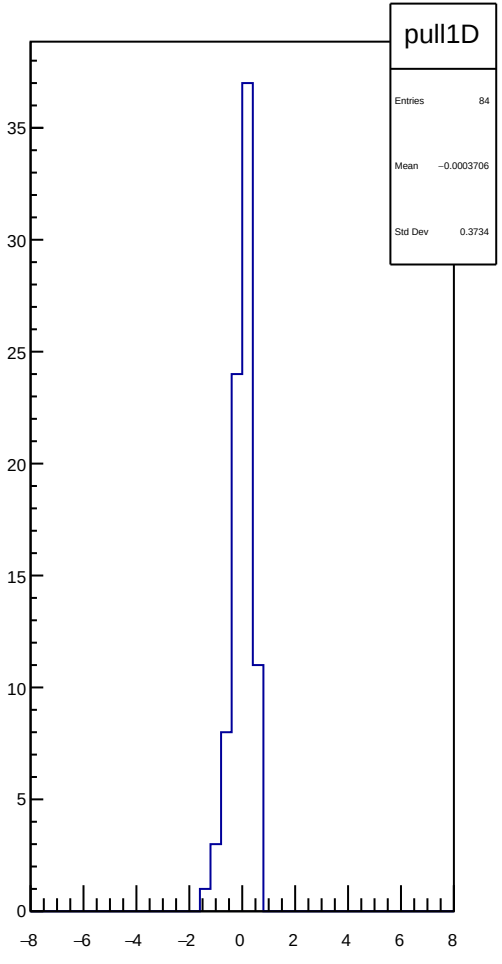

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 90.59 / 83
p0 −1.283 ± 1.114
pull
Entries 84
Mean 704.8
Std Dev 675.1
pull1D
Entries 84
Mean −0.005192
Std Dev 1.038

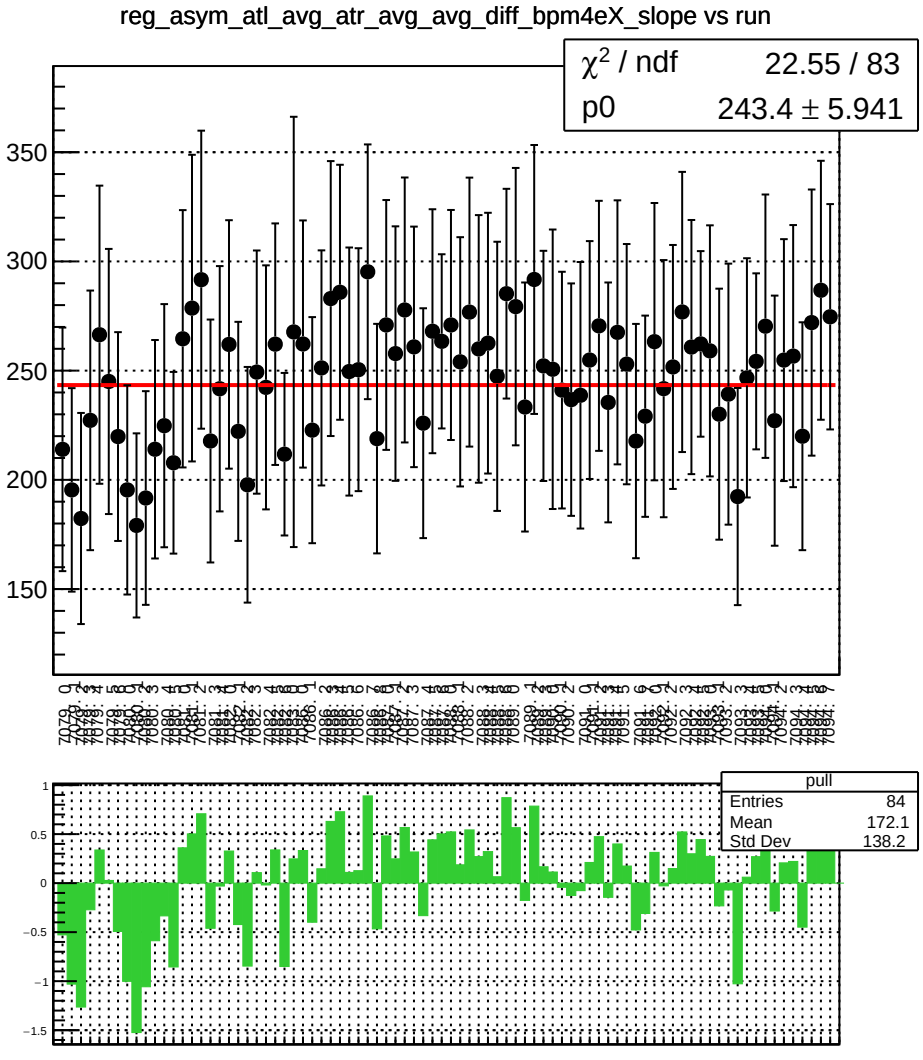

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 71.73 / 83
p0 7.783 ± 0.05323
pull
Entries 84
Mean 1047
Std Dev 1016
pull1D
Entries 84
Mean −0.005645
Std Dev 0.924

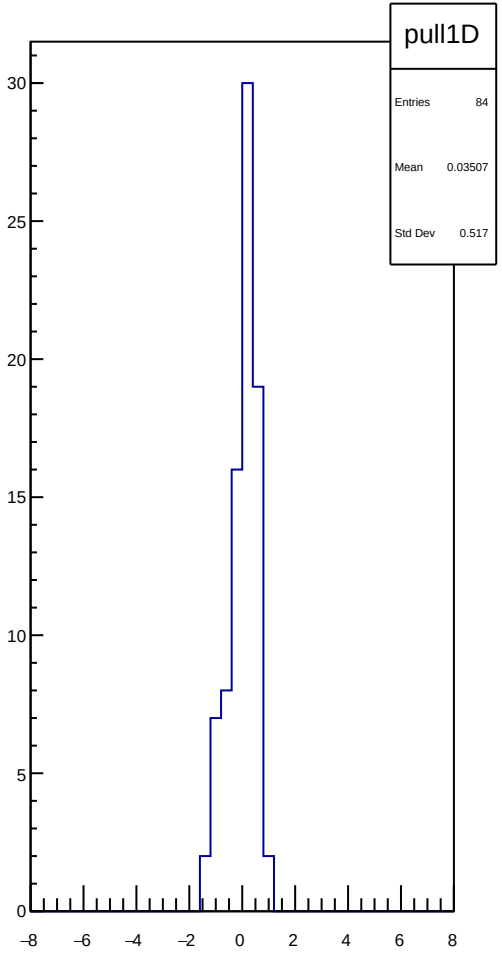

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 22.85 / 83
p0 −248 ± 6.157
pull
Entries 84
Mean 177.9
Std Dev 144.5

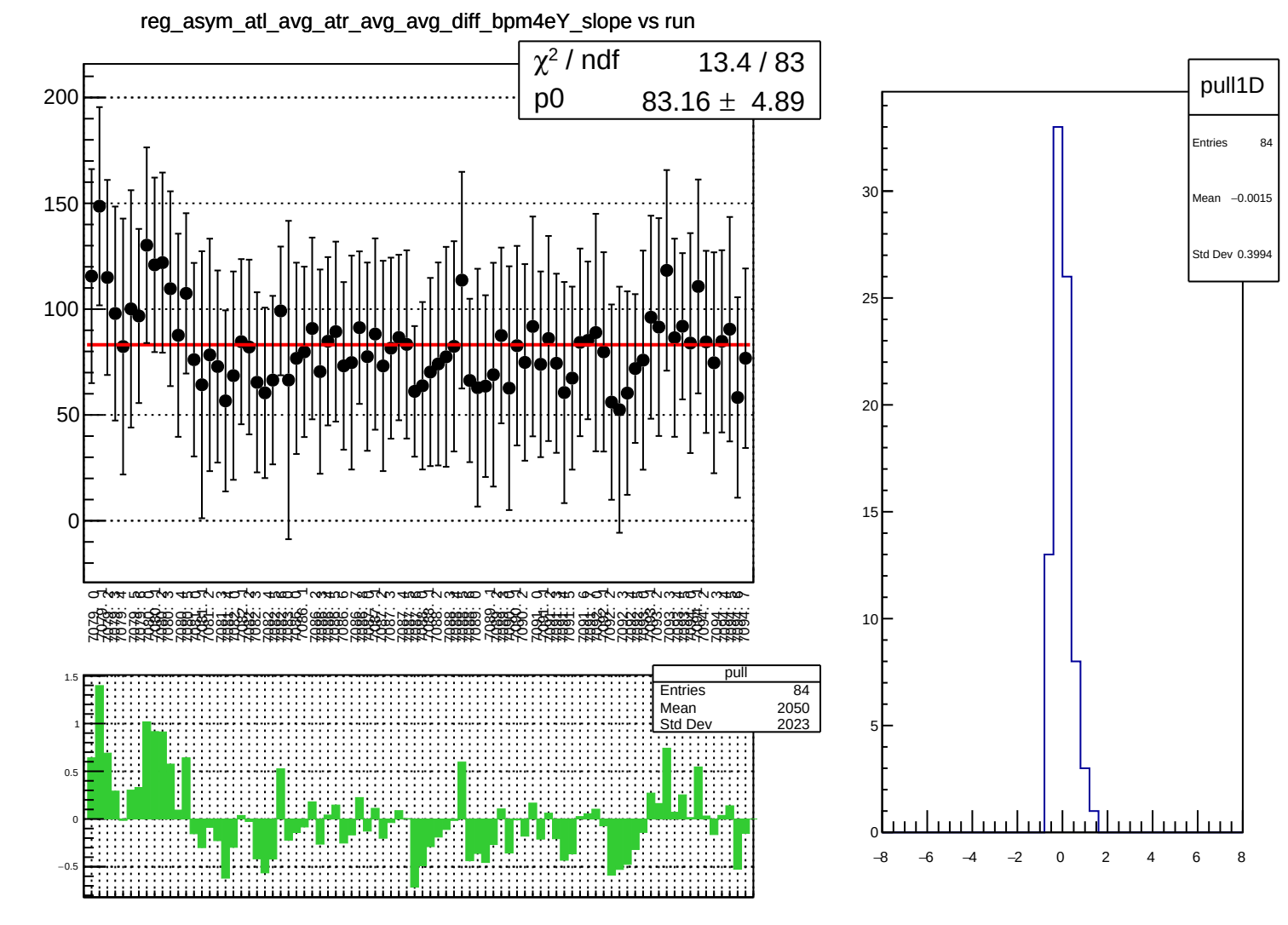

pull1D
Entries 84
Mean −0.03433
Std Dev 0.5204

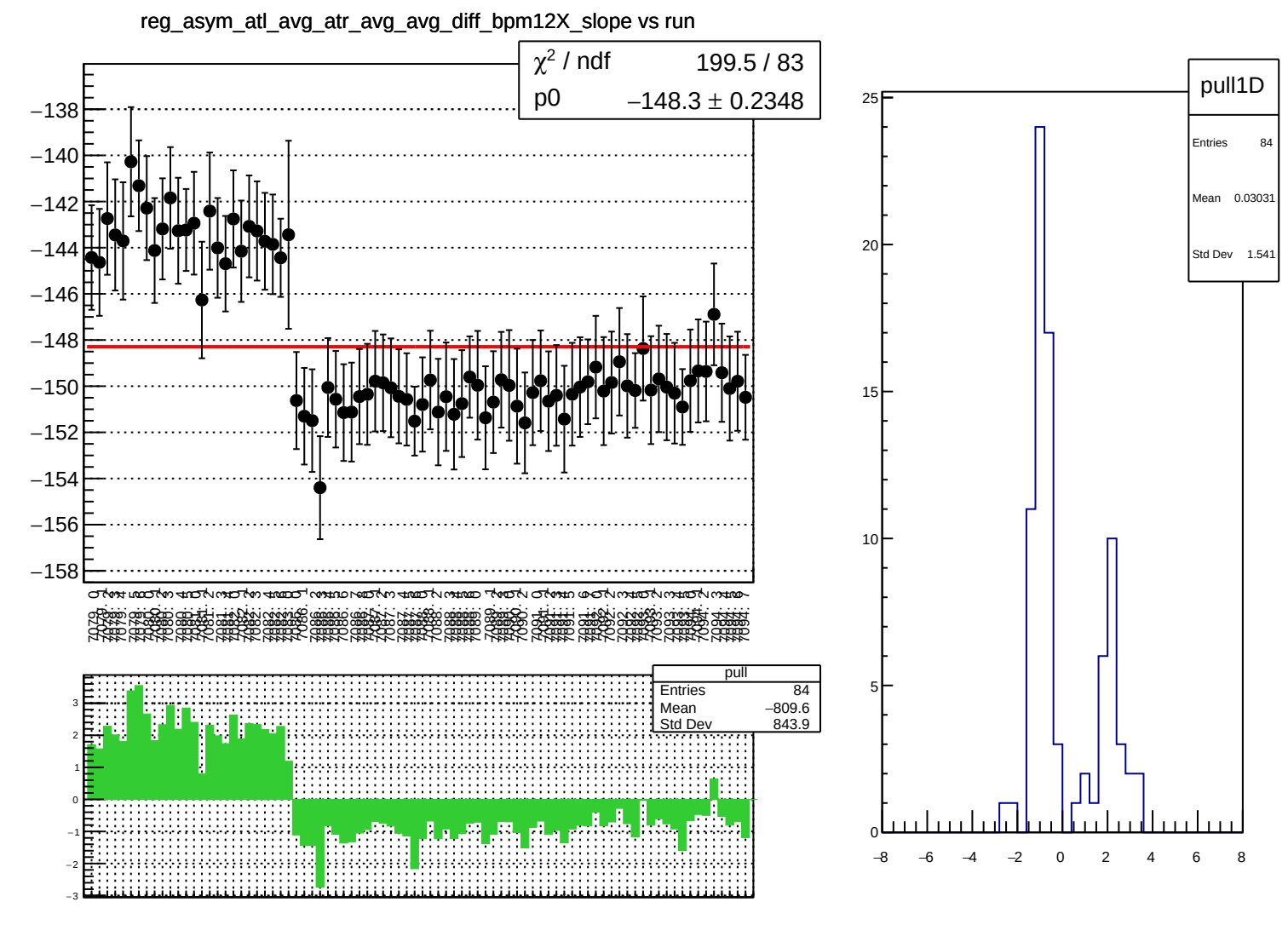

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.71 / 83
p0 −7.244 ± 4.65
pull
Entries 84
Mean −7527
Std Dev 7553

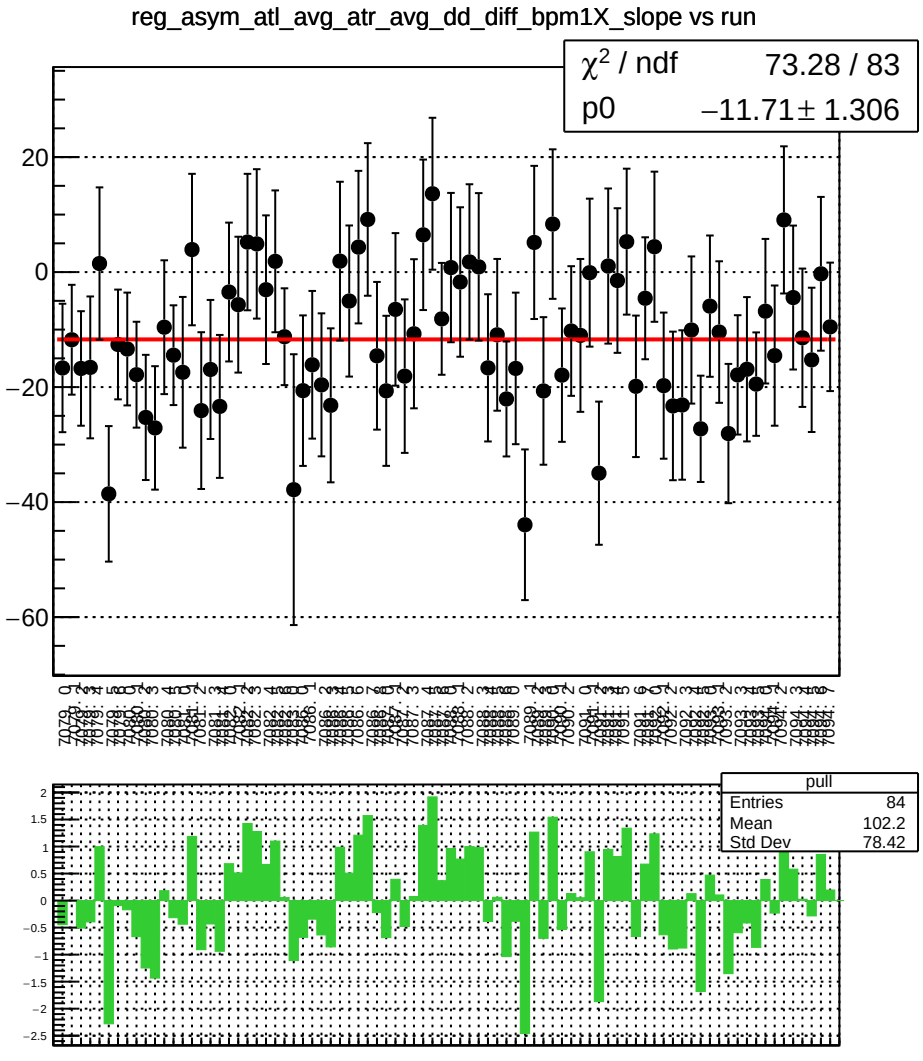

pull1D
Entries 84
Mean −0.0003706
Std Dev 0.3734

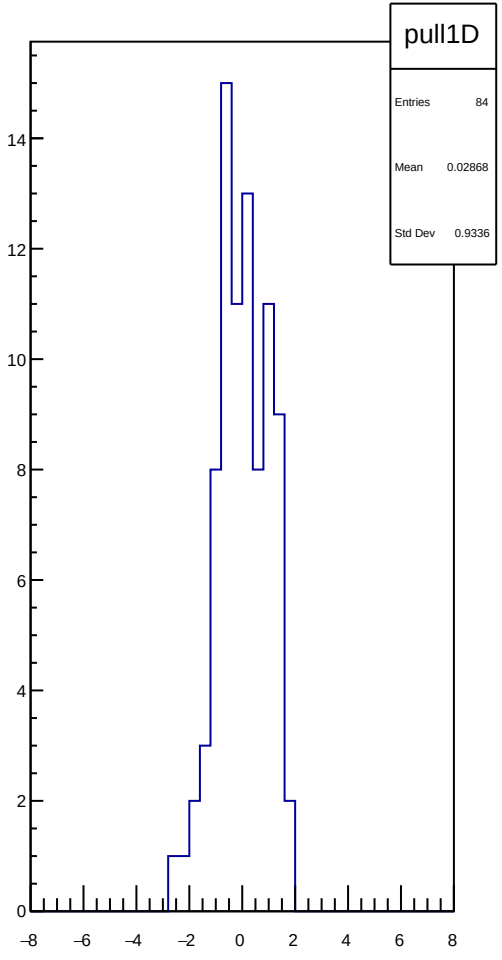

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.55 / 83
p0 243.4 ± 5.941
350
300
250
200
150
pull
Entries 84
Mean 172.1
Std Dev 138.2
1
0.5
0
−0.5
−1
−1.5

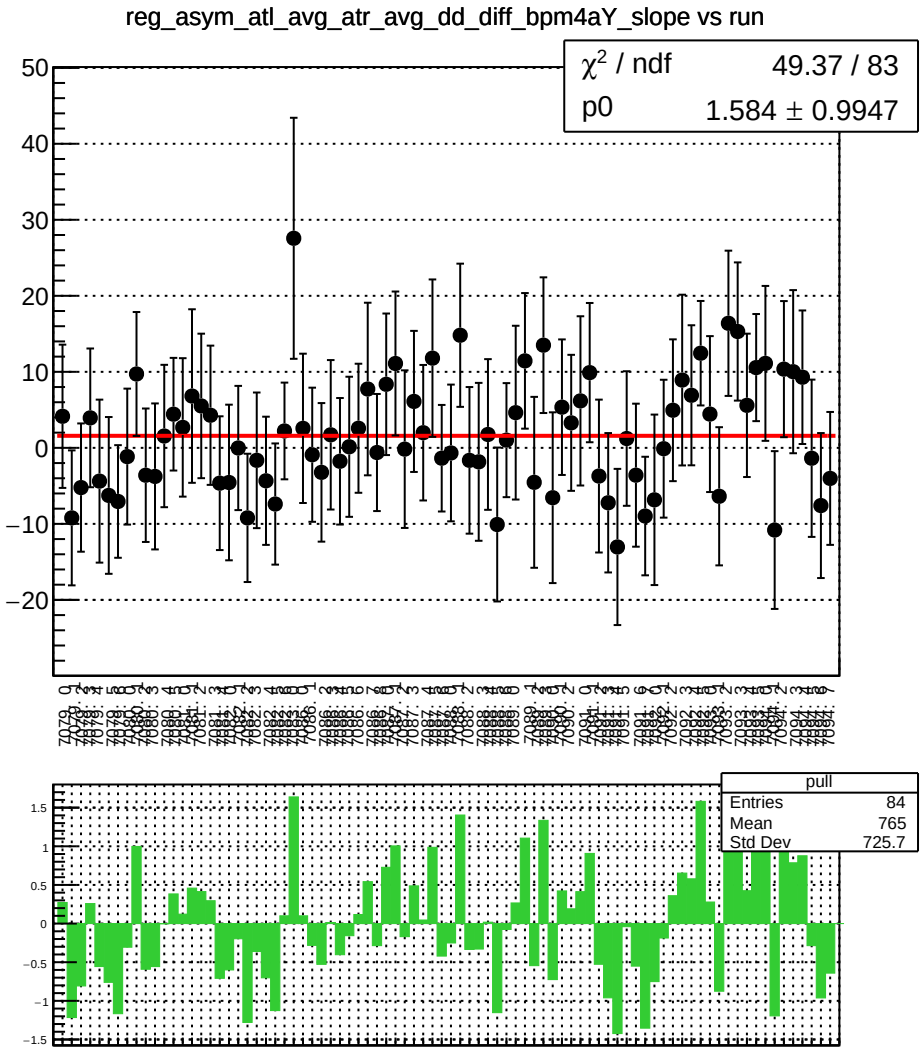

pull1D
Entries 84
Mean 0.03507
Std Dev 0.517
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

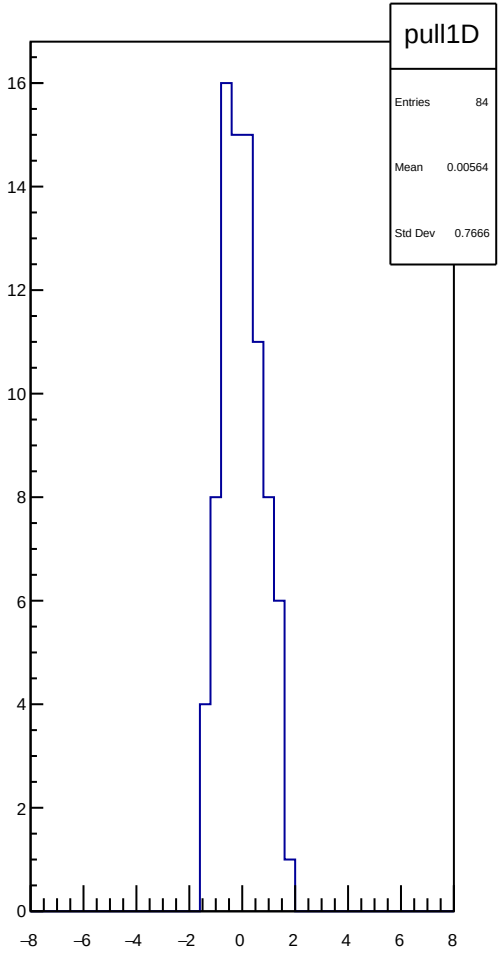

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.4 / 83
p0 83.16 ± 4.89
pull
Entries 84
Mean 2050
Std Dev 2023
pull1D
Entries 84
Mean −0.0015
Std Dev 0.3994

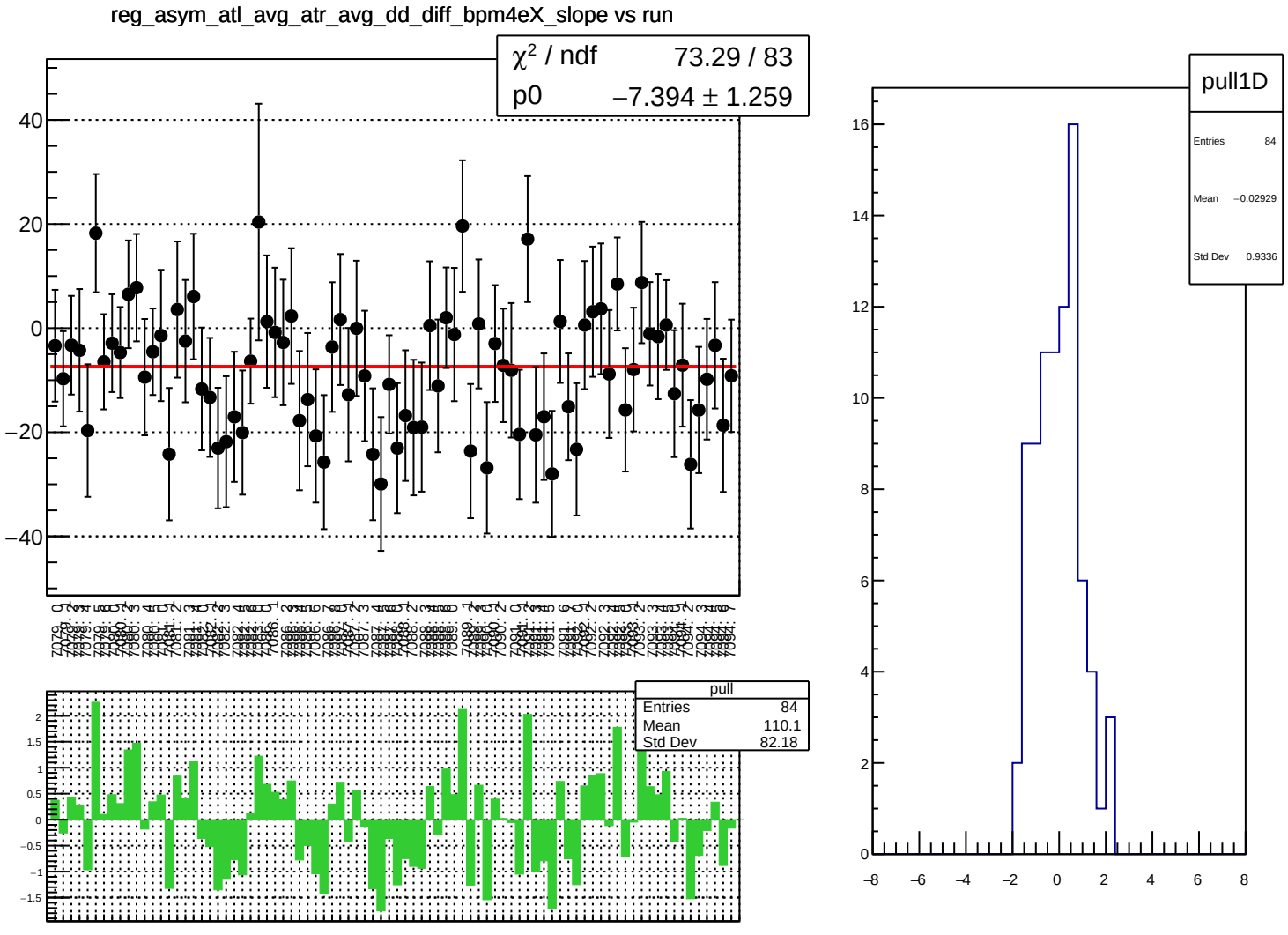

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 199.5 / 83
p0 −148.3 ± 0.2348
pull
Entries 84
Mean −809.6
Std Dev 843.9
pull1D
Entries 84
Mean 0.03031
Std Dev 1.541

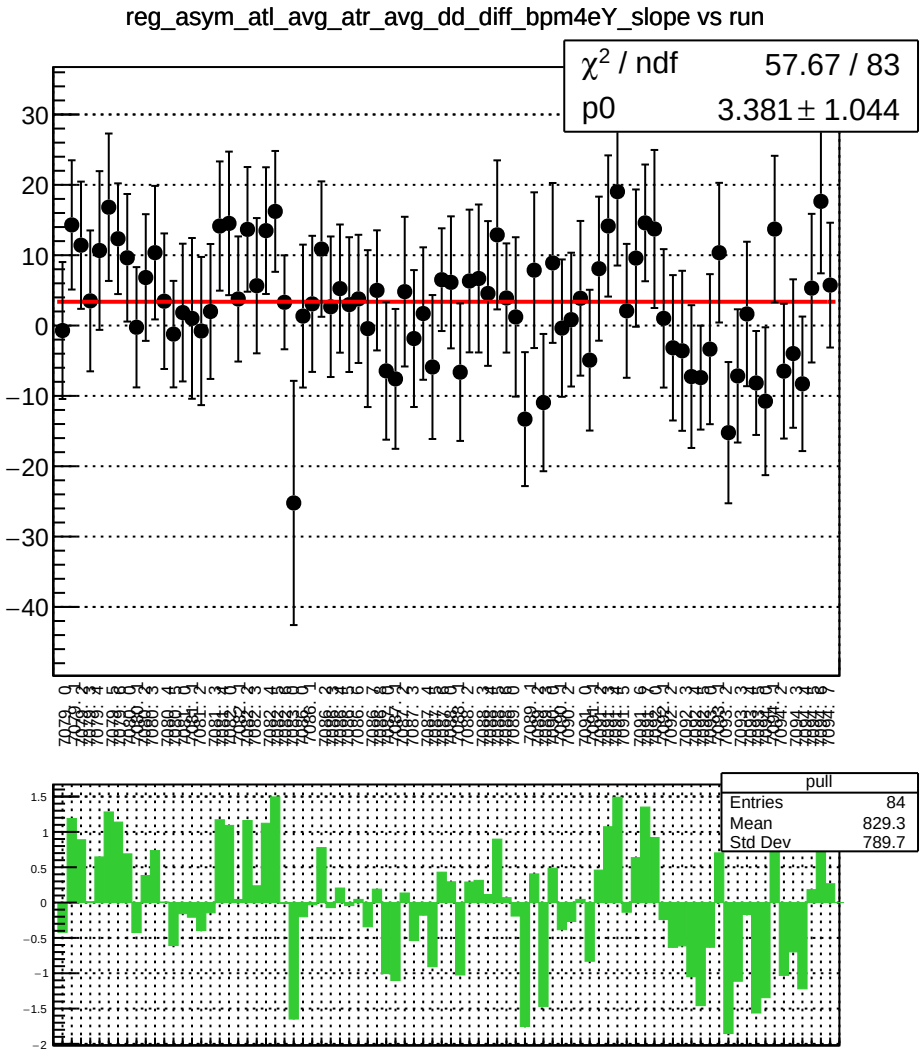

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 73.28 / 83
p0 −11.71± 1.306
pull
Entries 84
Mean 102.2
Std Dev 78.42

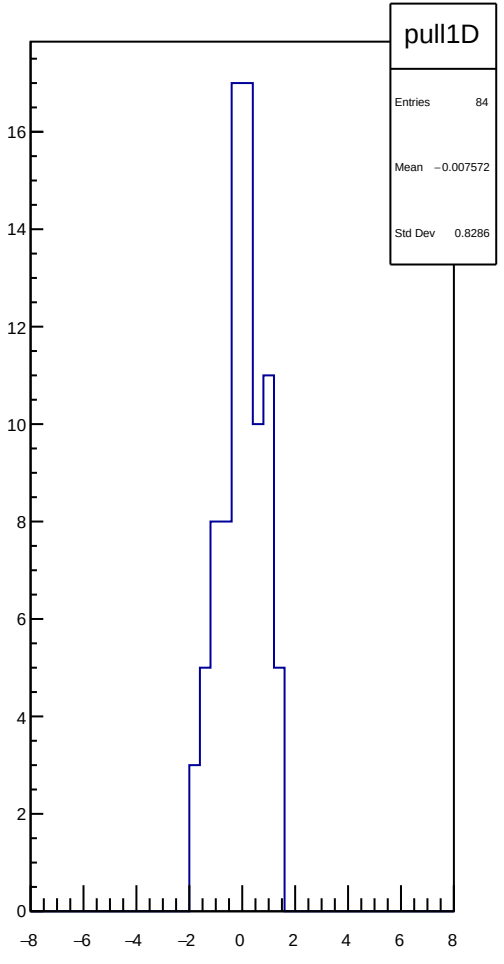

pull1D
Entries 84
Mean 0.02868
Std Dev 0.9336

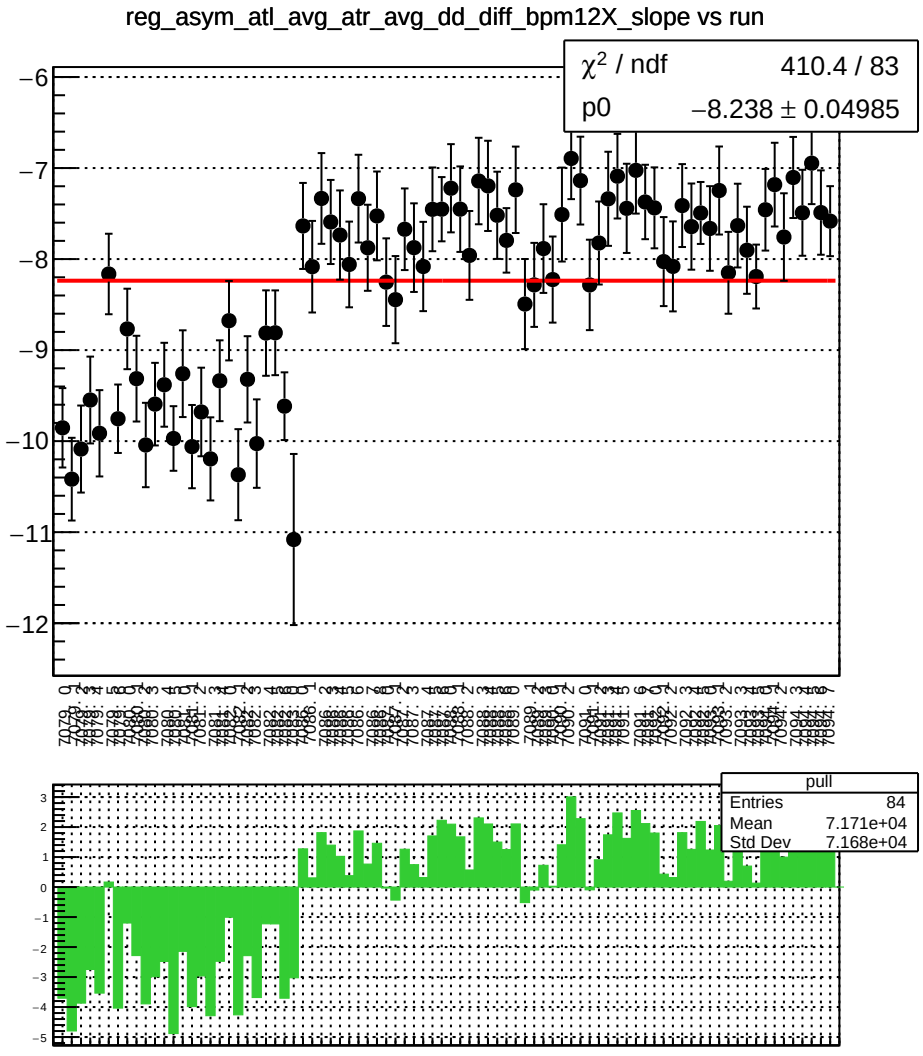

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 49.37 / 83
p0 1.584 ± 0.9947
pull
Entries 84
Mean 765
Std Dev 725.7

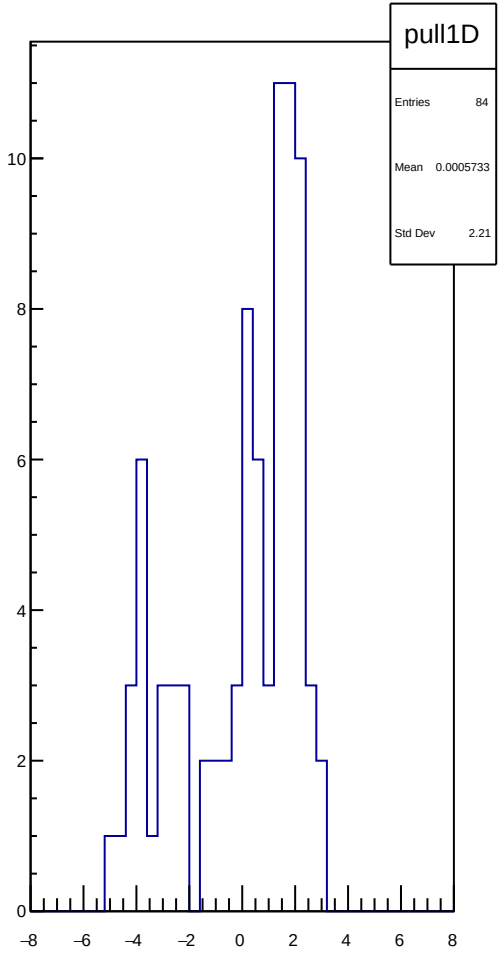

pull1D
Entries 84
Mean 0.00564
Std Dev 0.7666

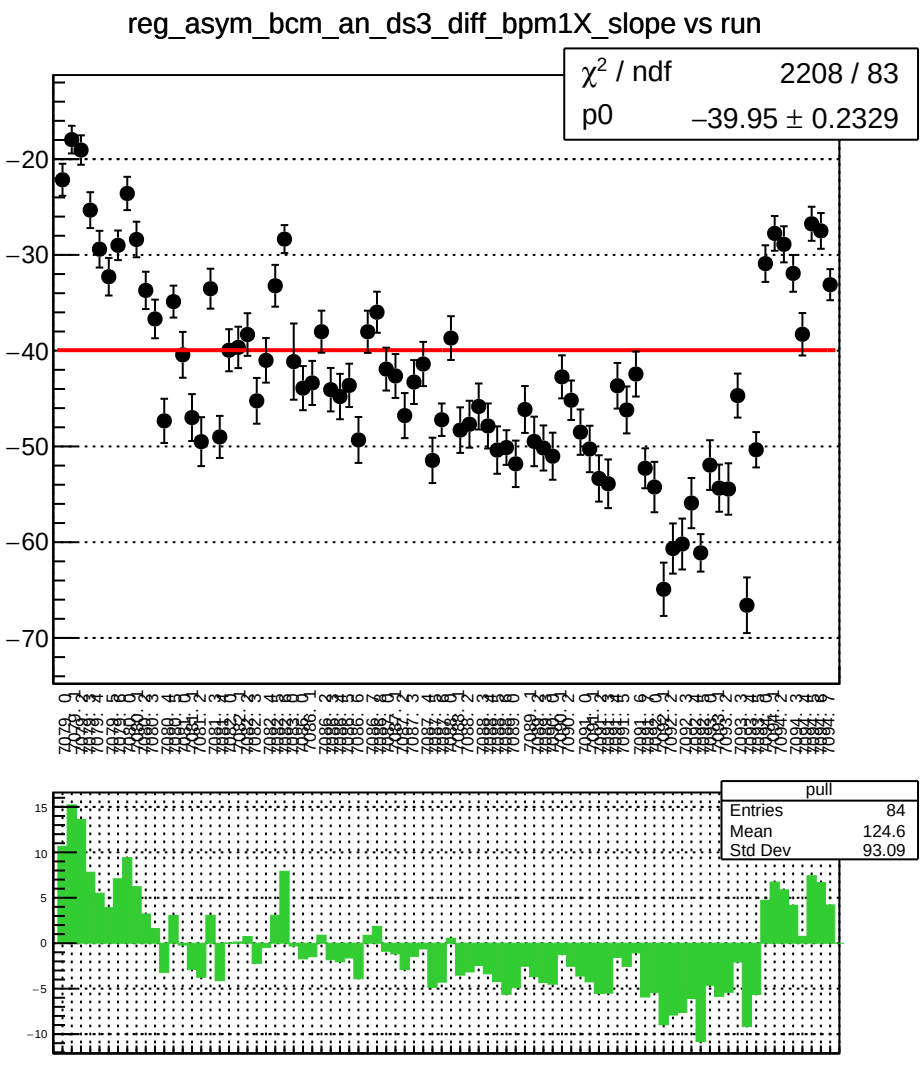

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 73.29 / 83
p0 −7.394 ± 1.259
40
20
0
−20
−40
pull
Entries 84
Mean 110.1
Std Dev 82.18
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 84
Mean −0.02929
Std Dev 0.9336
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

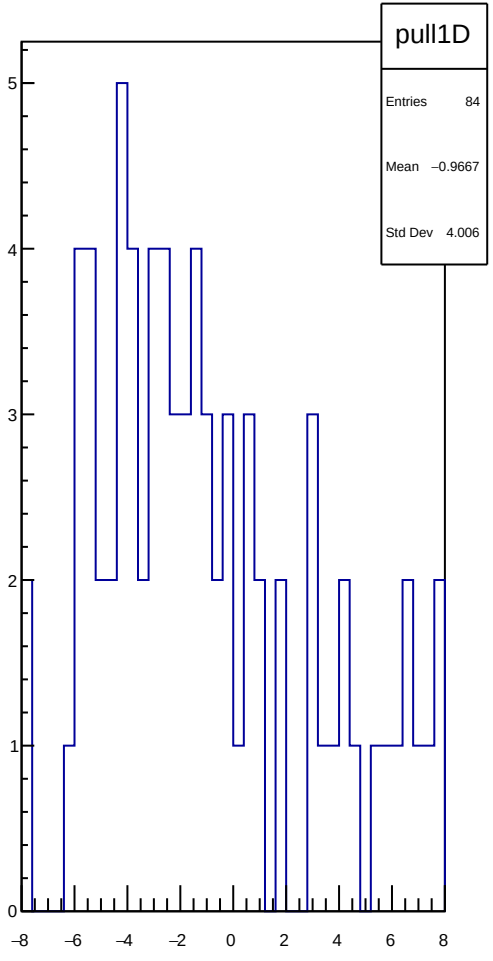

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 57.67 / 83
p0 3.381 ± 1.044
pull
Entries 84
Mean 829.3
Std Dev 789.7

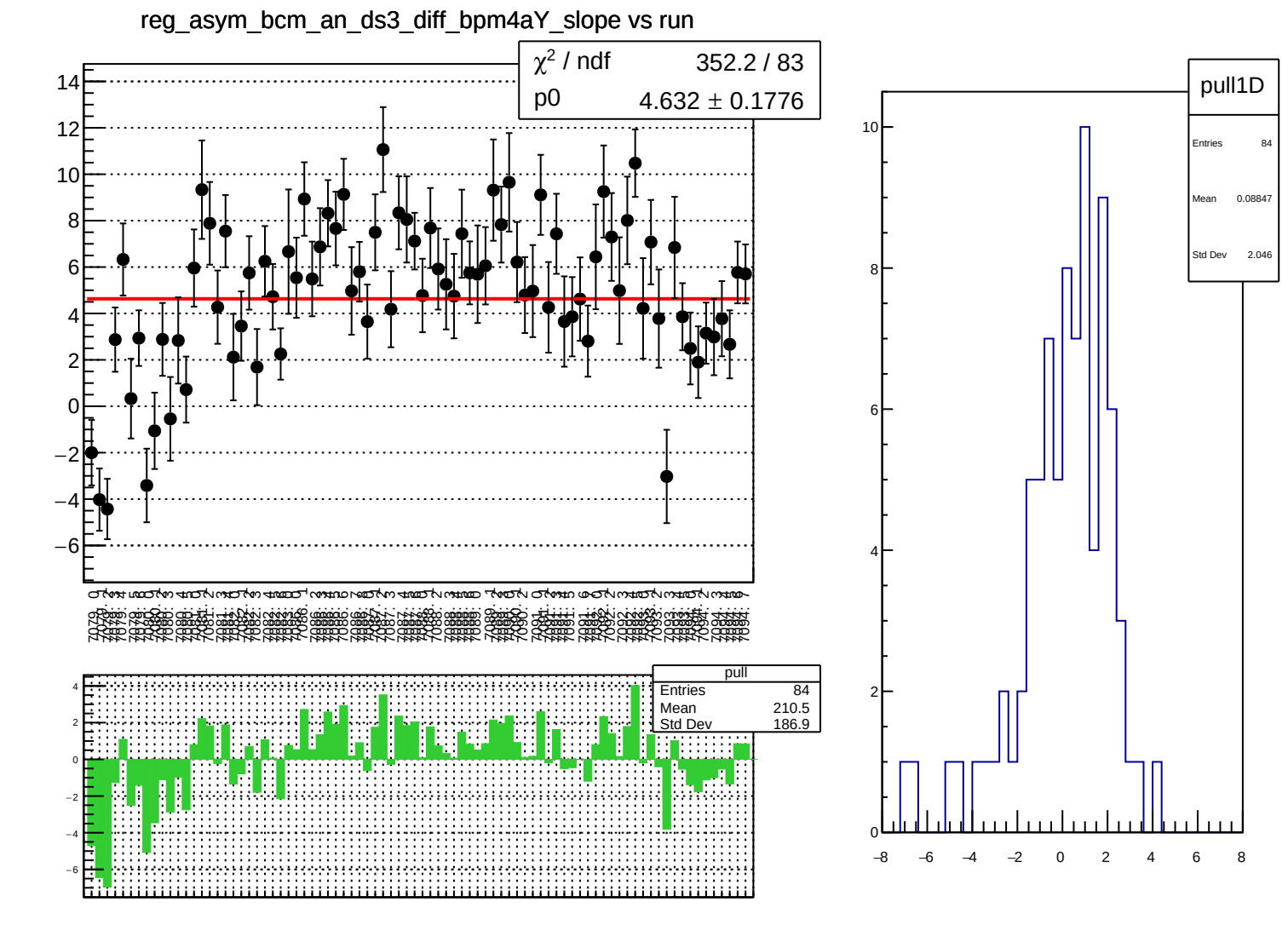

pull1D
Entries 84
Mean −0.007572
Std Dev 0.8286

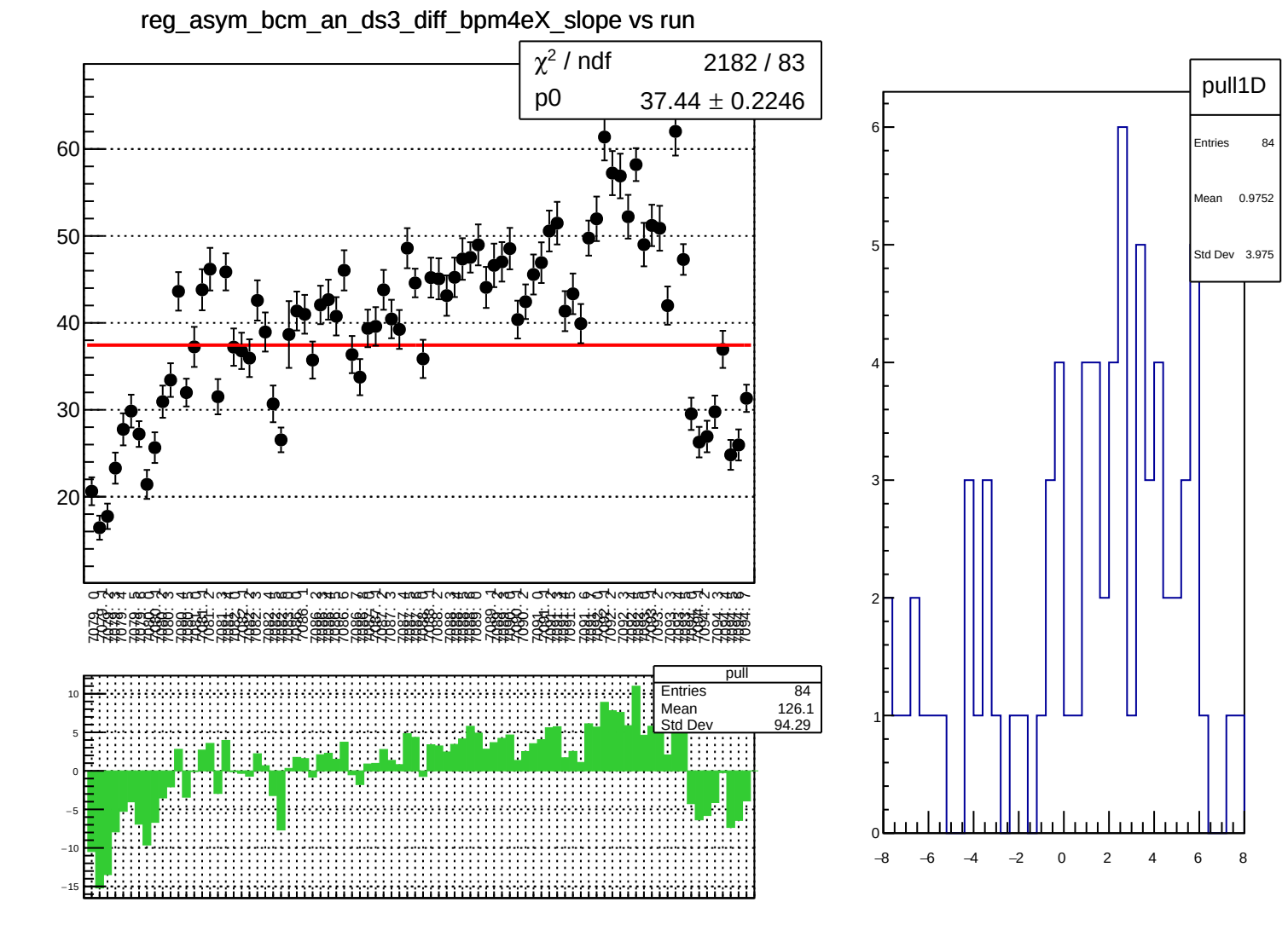

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 410.4 / 83
p0 −8.238 ± 0.04985
pull
Entries 84
Mean 7.171e+04
Std Dev 7.168e+04

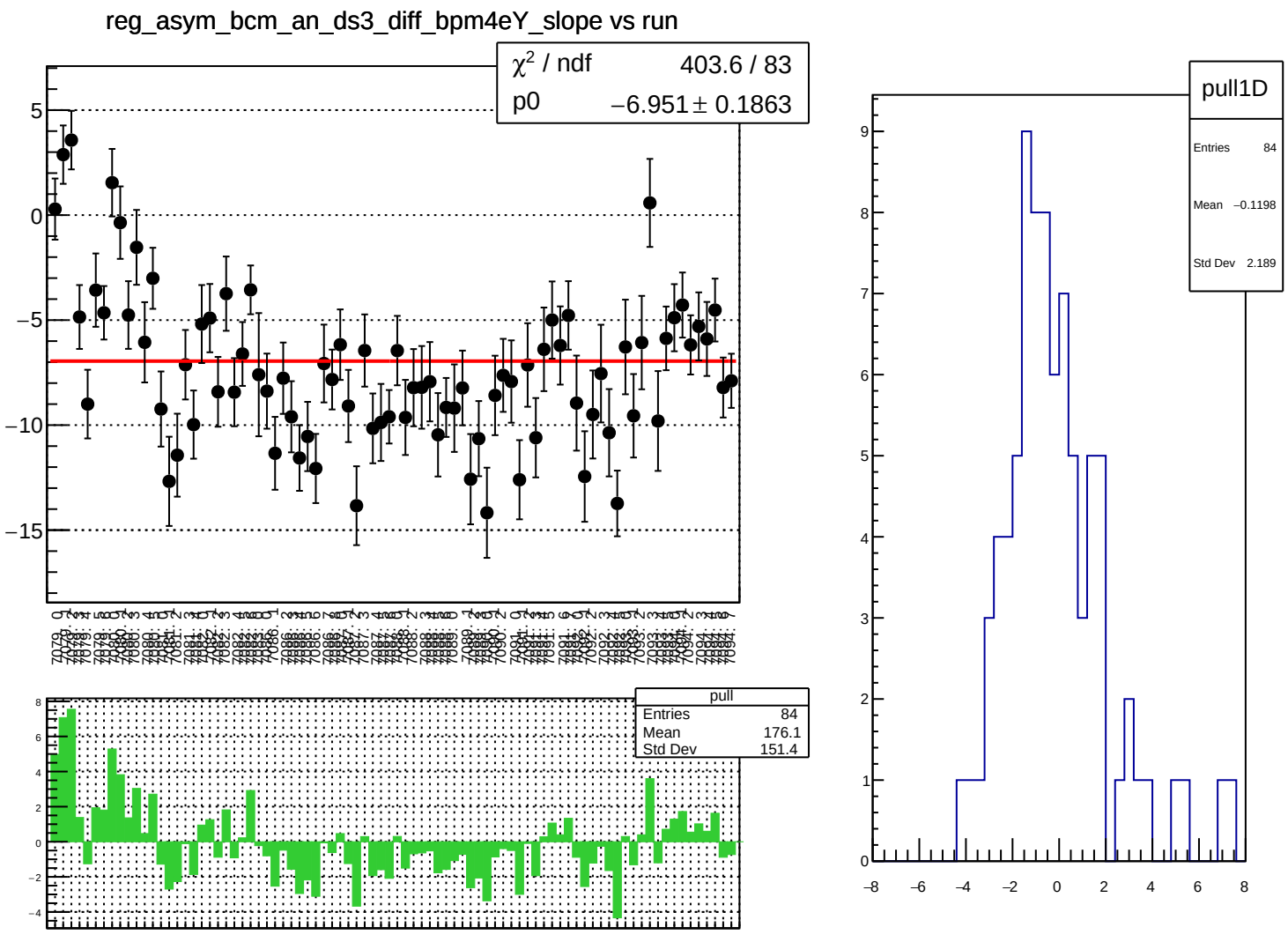

pull1D
Entries 84
Mean 0.0005733
Std Dev 2.21

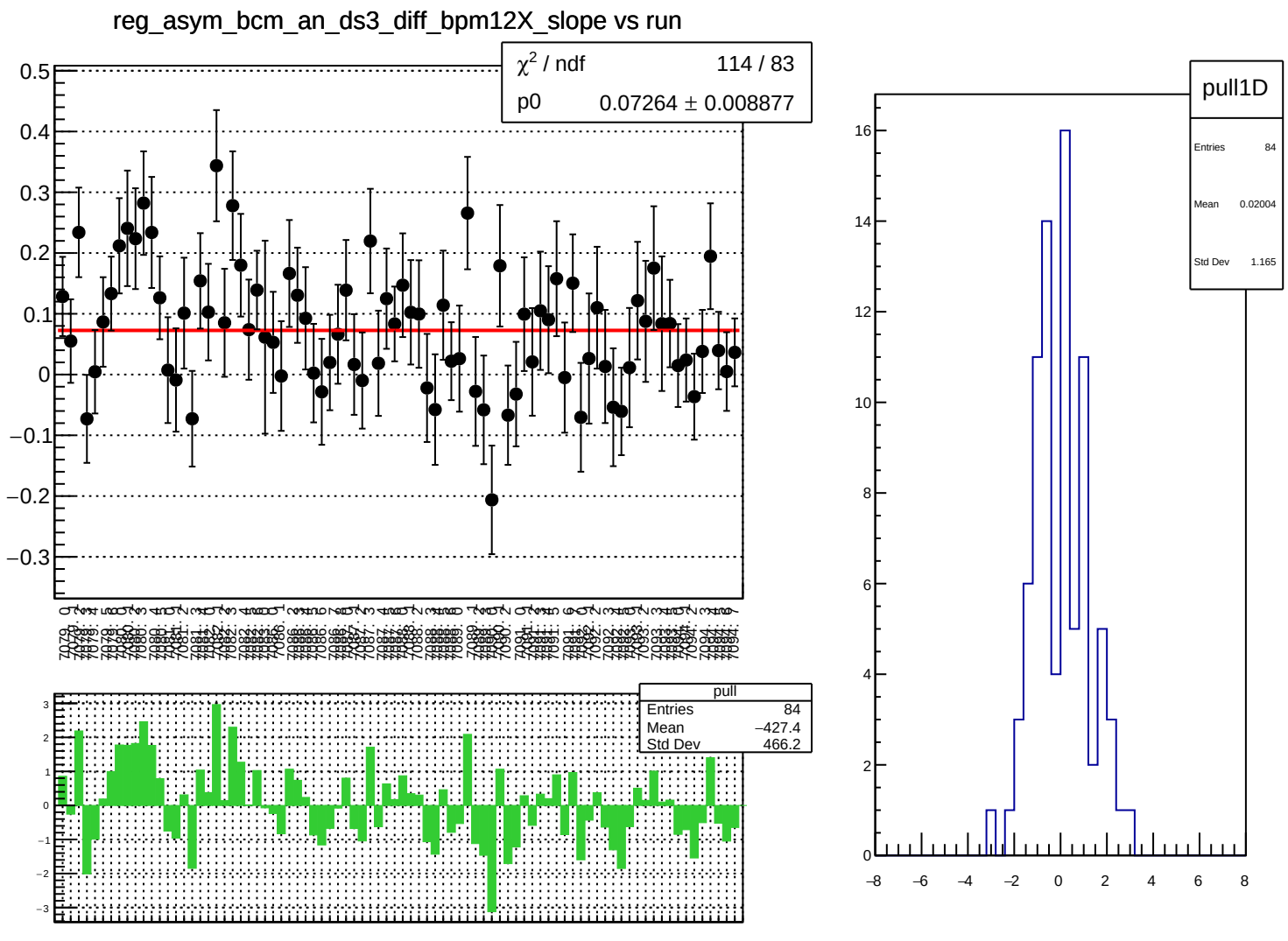

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 2208 / 83
p0 −39.95 ± 0.2329
pull
Entries 84
Mean 124.6
Std Dev 93.09

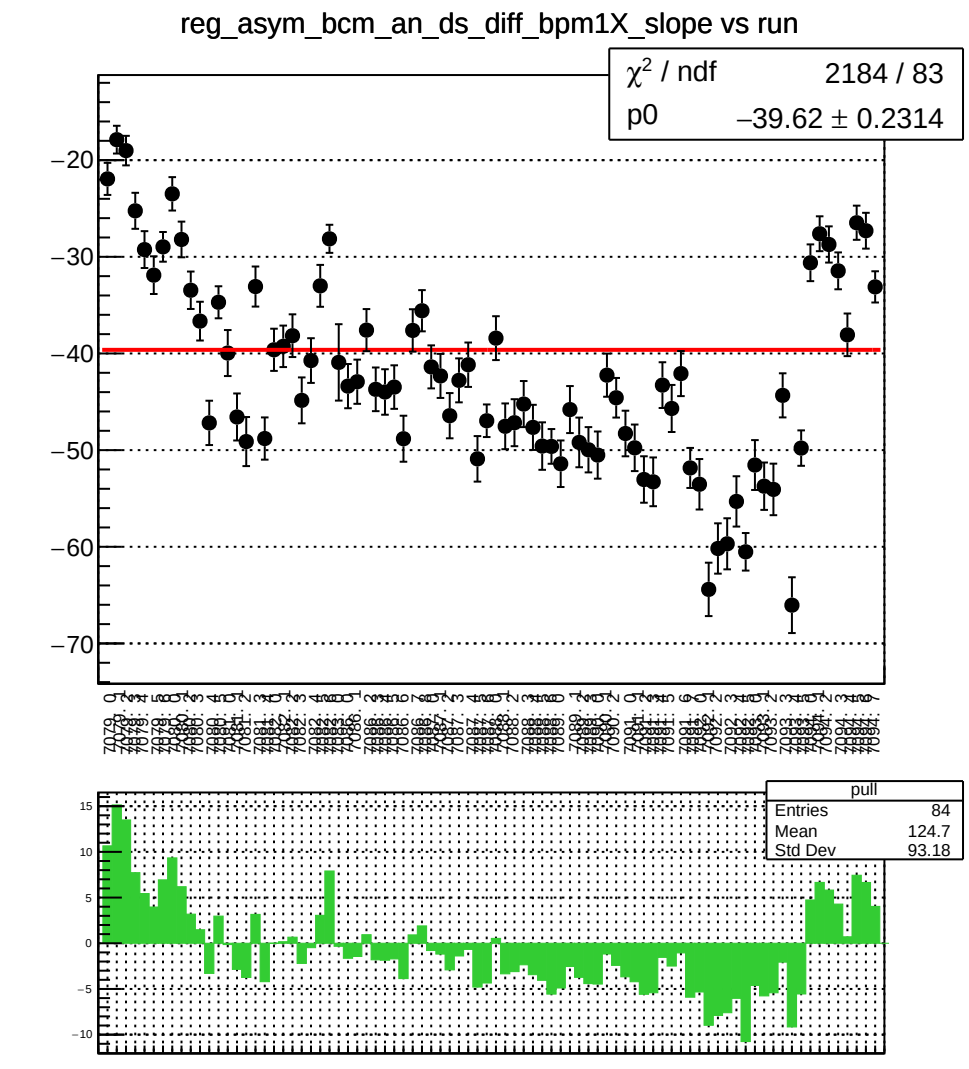

pull1D
Entries 84
Mean −0.9667
Std Dev 4.006

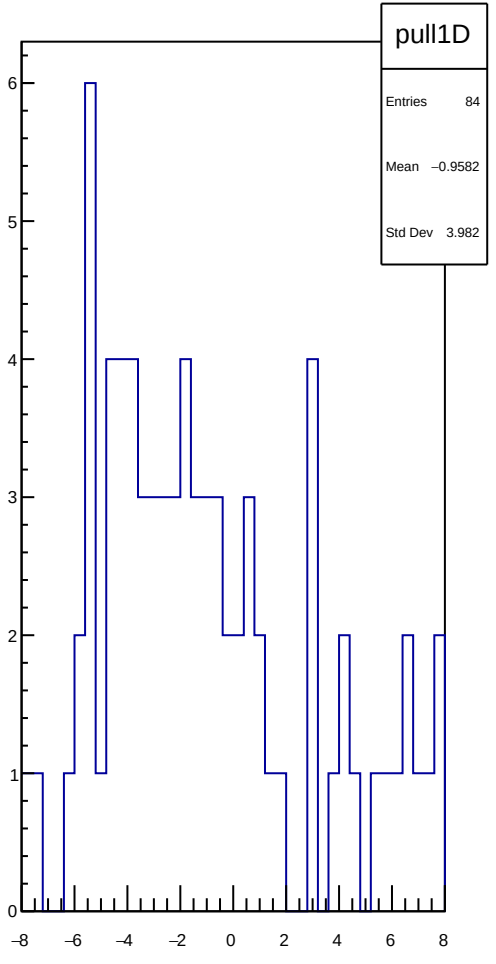

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 352.2 / 83
p0 4.632 ± 0.1776
pull
Entries 84
Mean 210.5
Std Dev 186.9
pull1D
Entries 84
Mean 0.08847
Std Dev 2.046

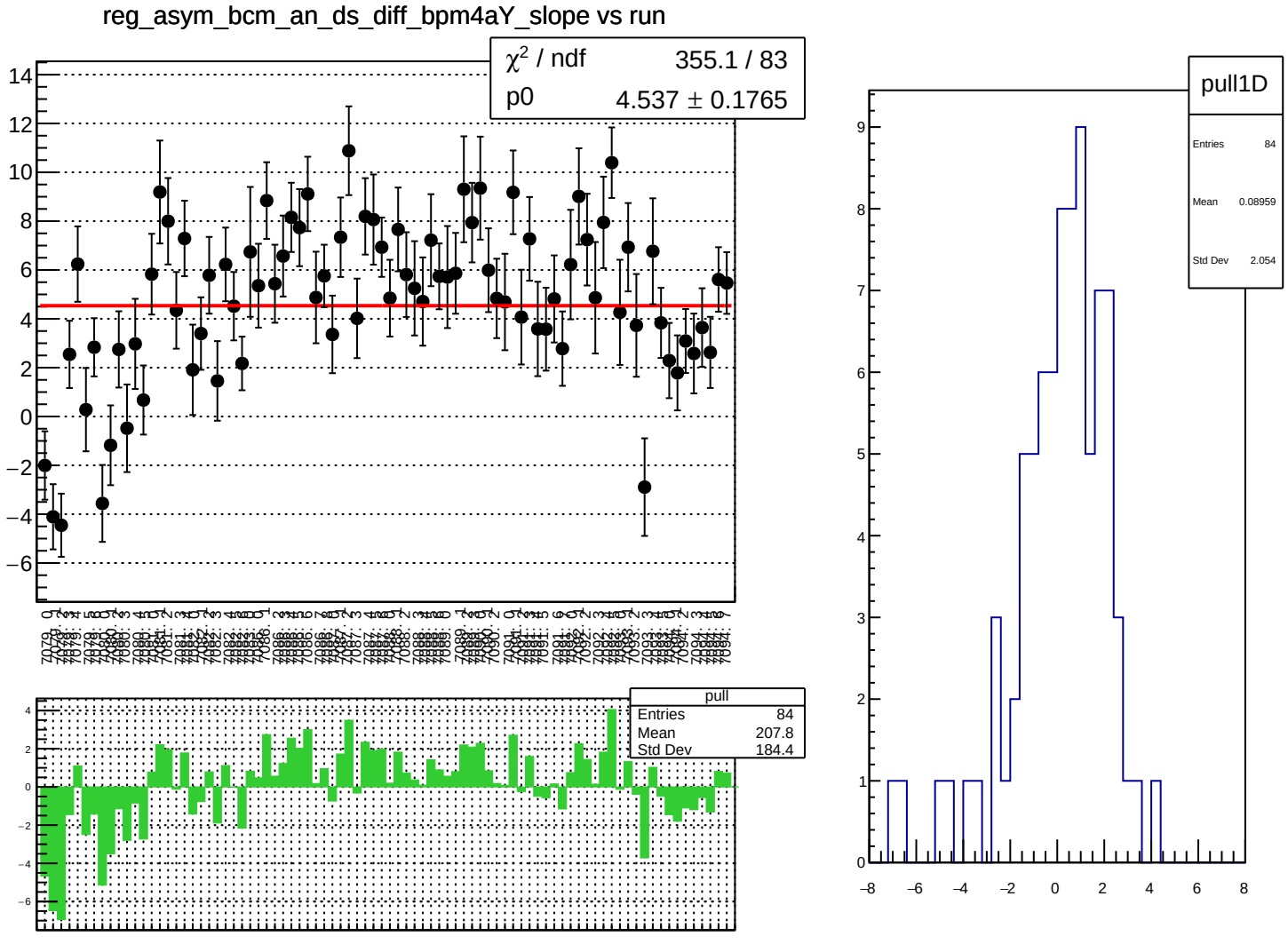

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 2182 / 83
p0 37.44 ± 0.2246
60
50
40
30
20
pull
Entries 84
Mean 126.1
Std Dev 94.29
10
5
0
−5
−10
−15
pull1D
Entries 84
Mean 0.9752
Std Dev 3.975
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

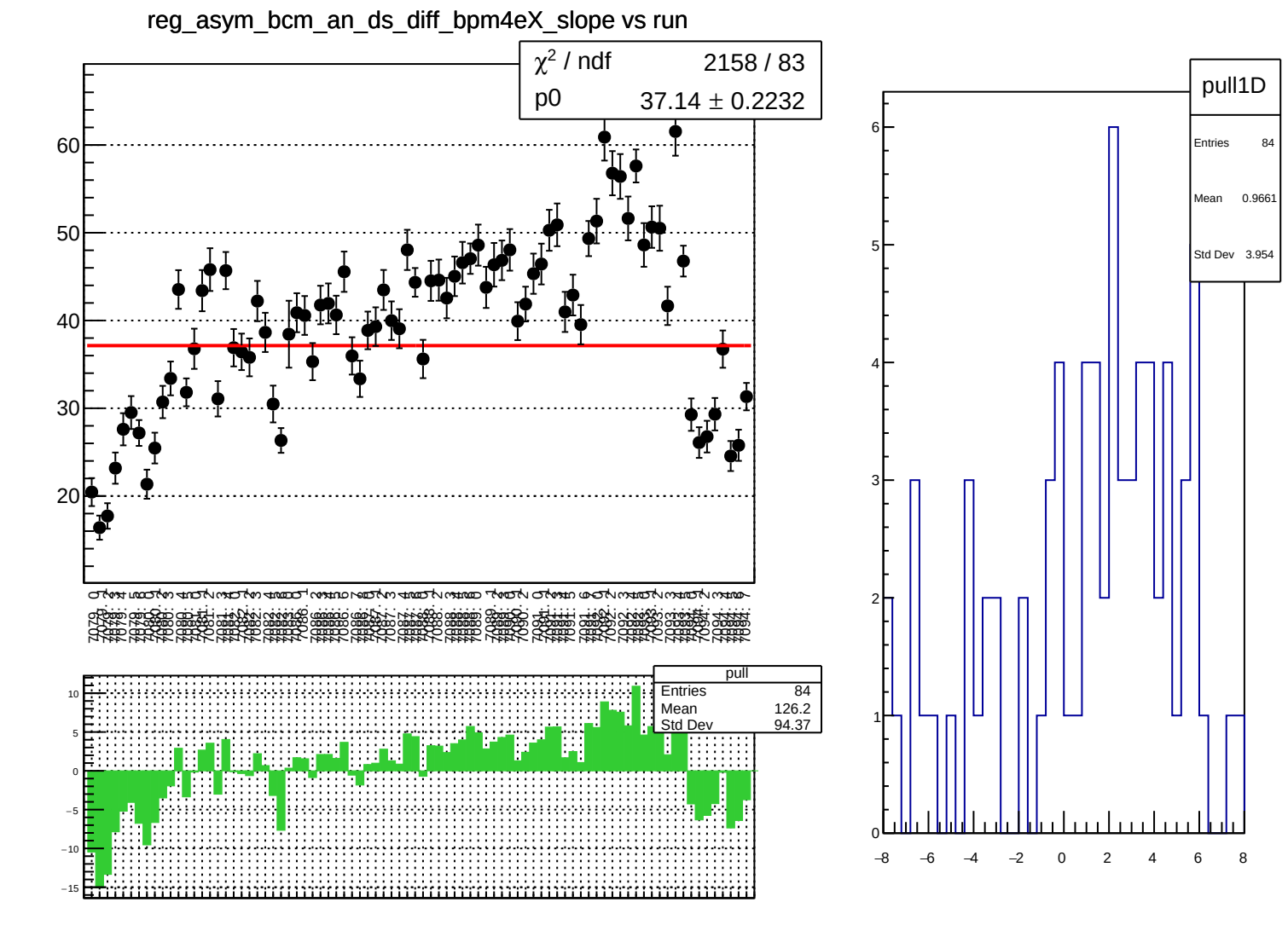

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 403.6 / 83
p0 −6.951 ± 0.1863
pull
Entries 84
Mean 176.1
Std Dev 151.4
pull1D
Entries 84
Mean −0.1198
Std Dev 2.189

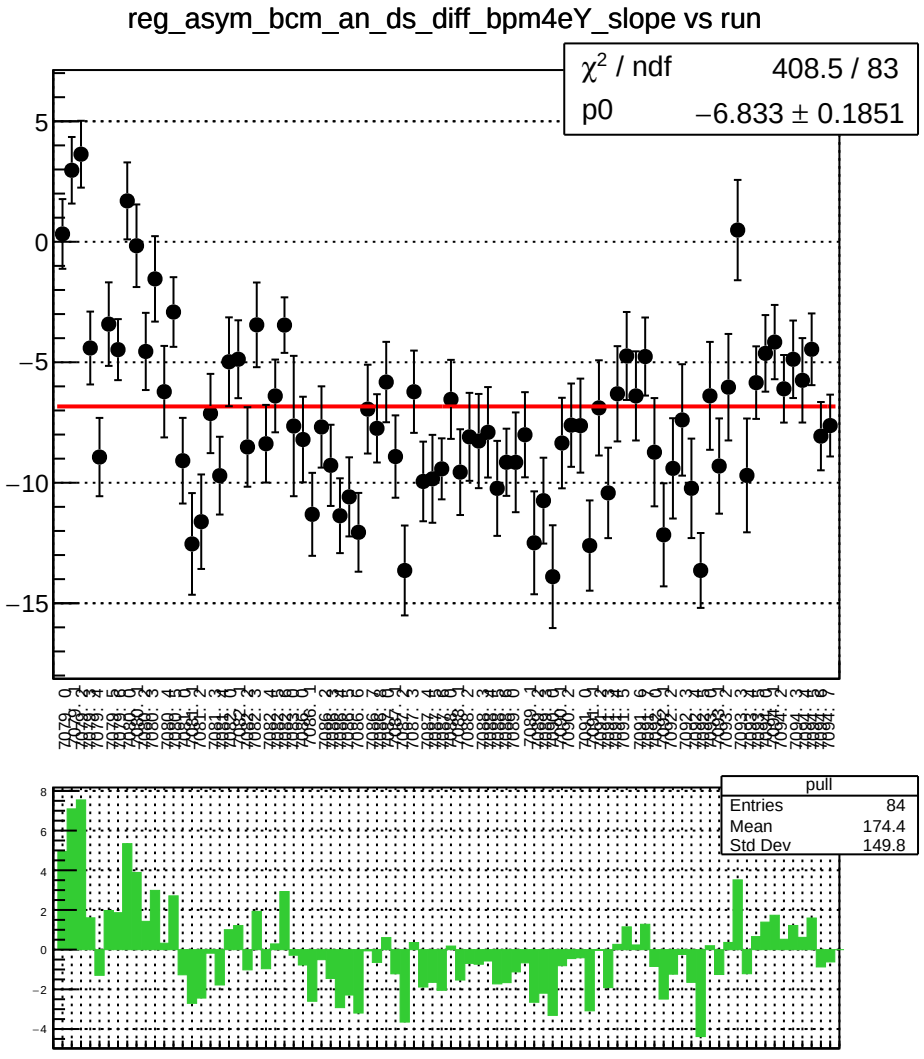

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 114 / 83
p0 0.07264 ± 0.008877
pull
Entries 84
Mean −427.4
Std Dev 466.2
pull1D
Entries 84
Mean 0.02004
Std Dev 1.165

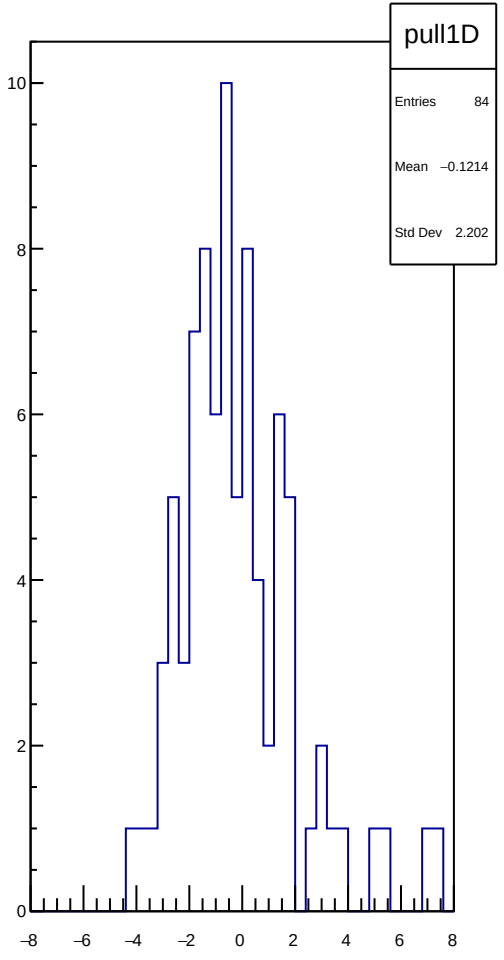

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 2184 / 83
p0 −39.62 ± 0.2314
pull
Entries 84
Mean 124.7
Std Dev 93.18

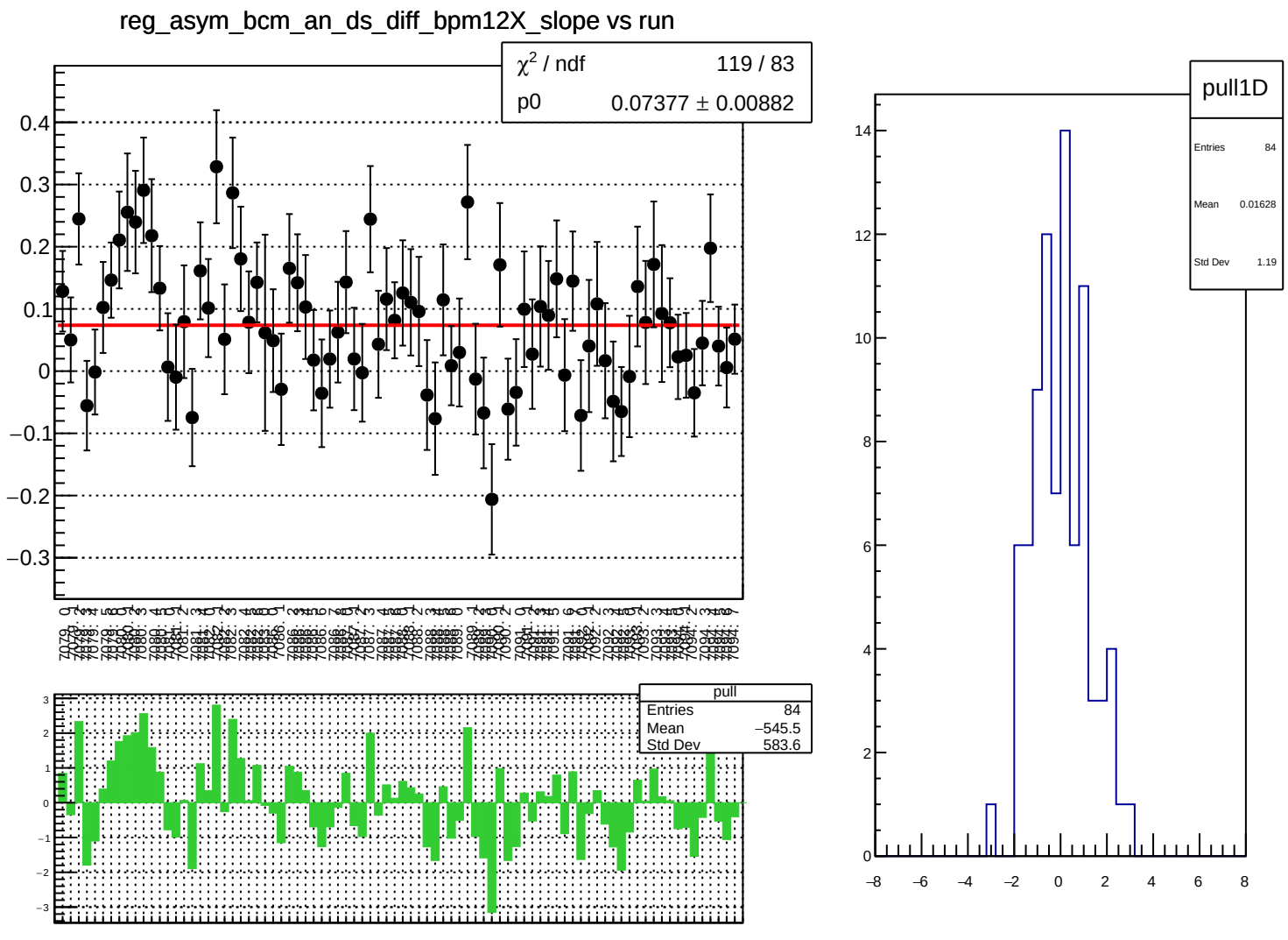

pull1D
Entries 84
Mean −0.9582
Std Dev 3.982

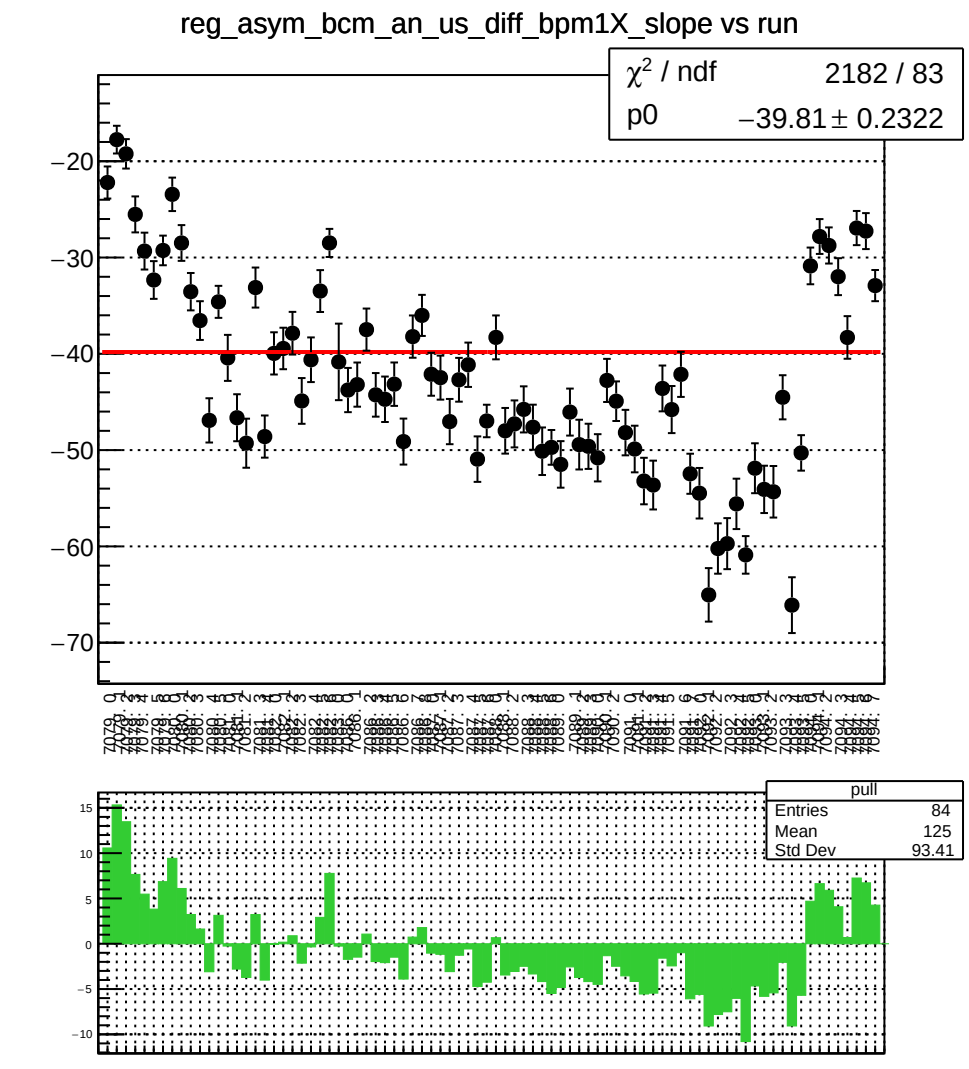

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 355.1 / 83
p0 4.537 ± 0.1765
pull
Entries 84
Mean 207.8
Std Dev 184.4
pull1D
Entries 84
Mean 0.08959
Std Dev 2.054

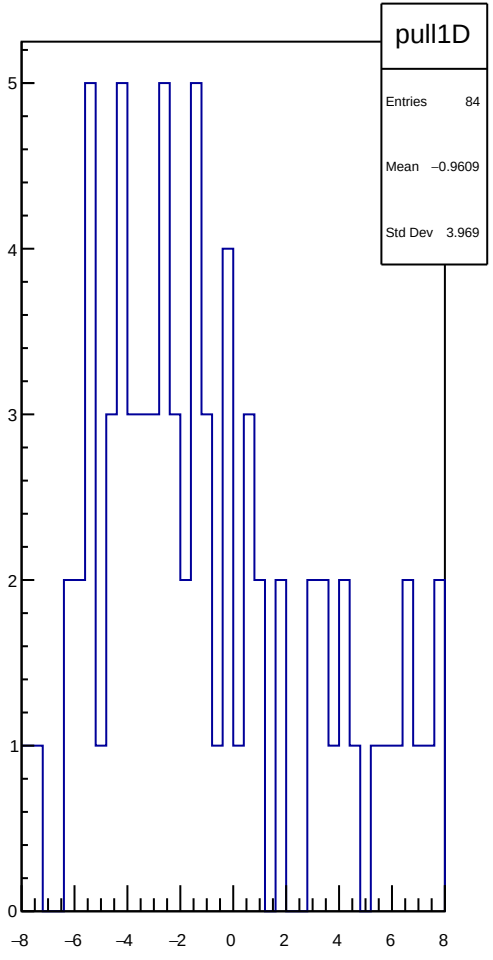

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 2158 / 83
p0 37.14 ± 0.2232
pull
Entries 84
Mean 126.2
Std Dev 94.37
pull1D
Entries 84
Mean 0.9661
Std Dev 3.954

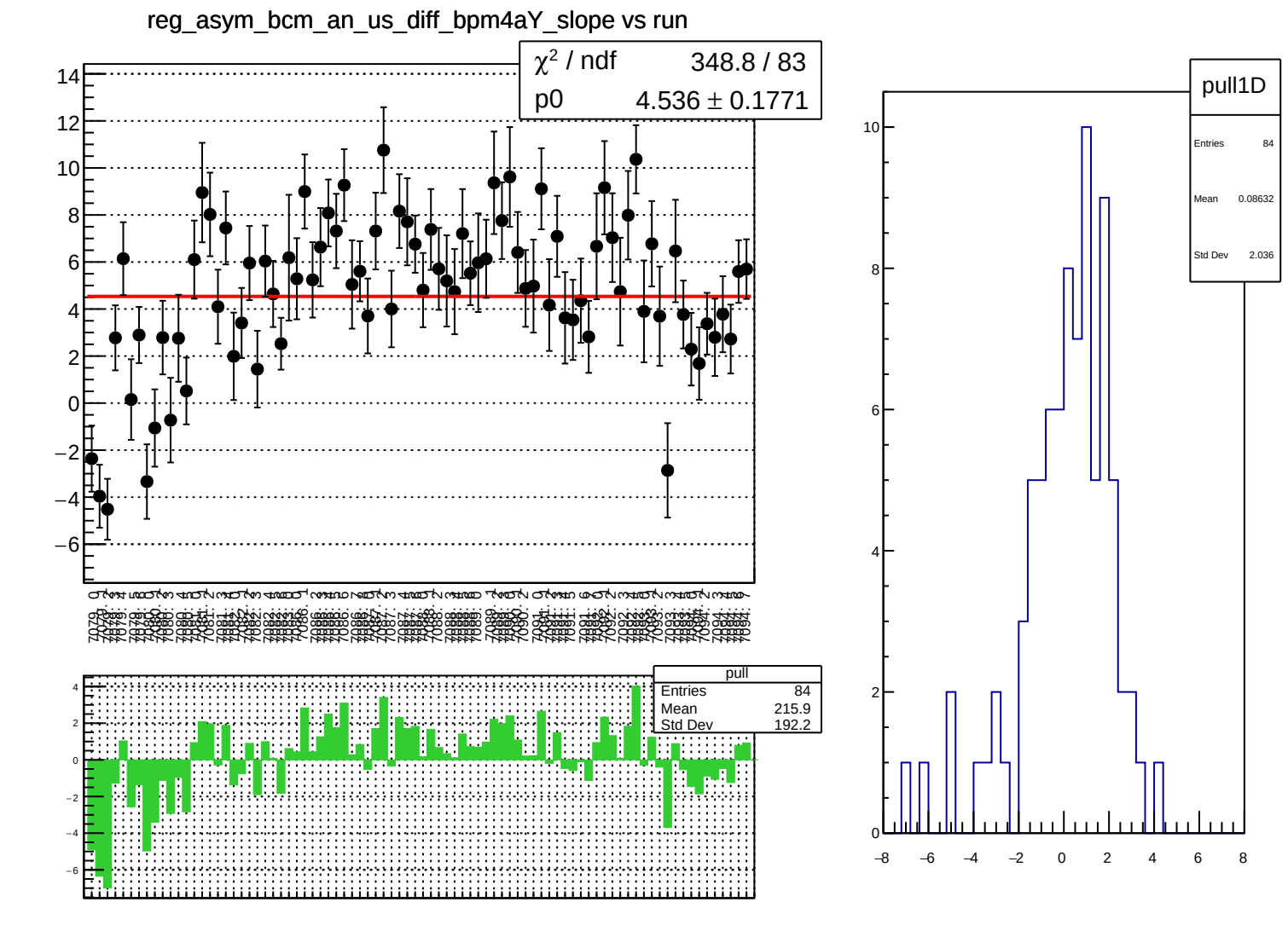

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 408.5 / 83
p0 −6.833 ± 0.1851
pull
Entries 84
Mean 174.4
Std Dev 149.8

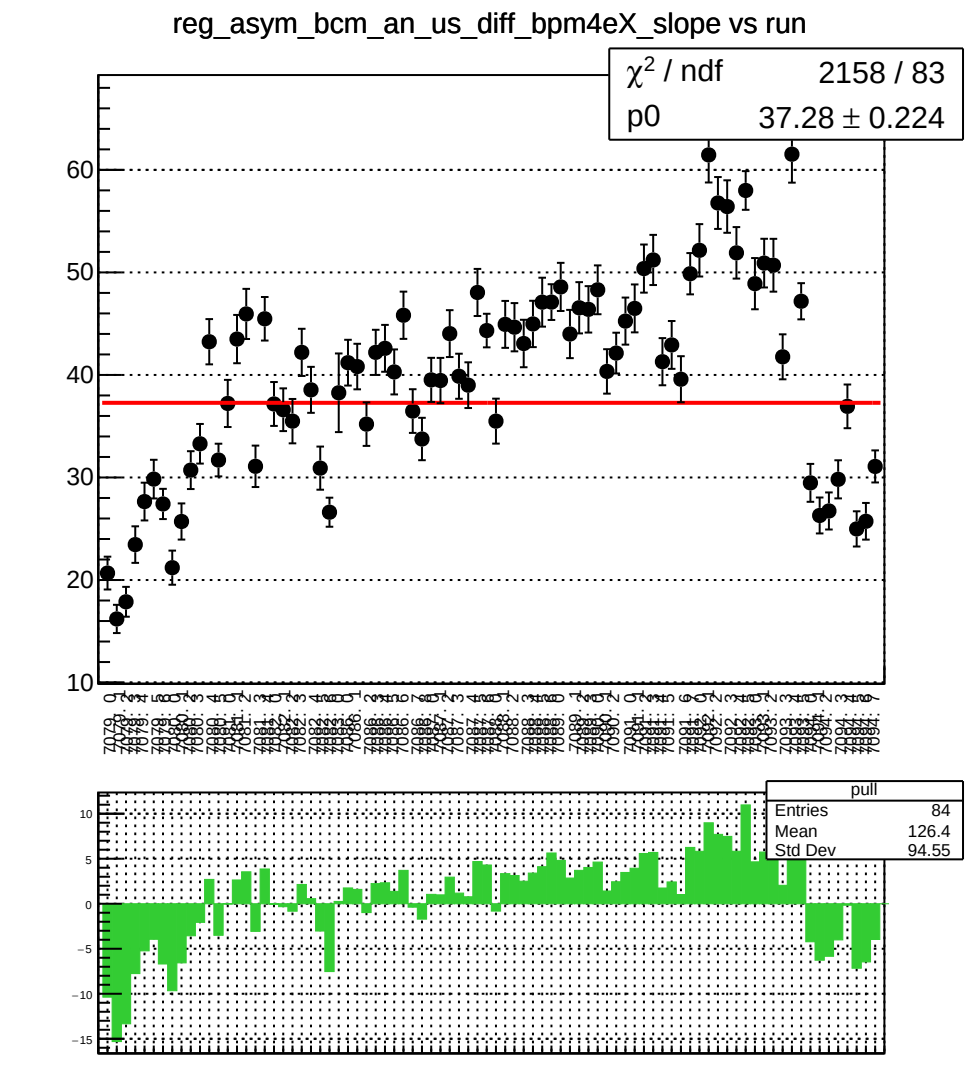

pull1D
Entries 84
Mean −0.1214
Std Dev 2.202

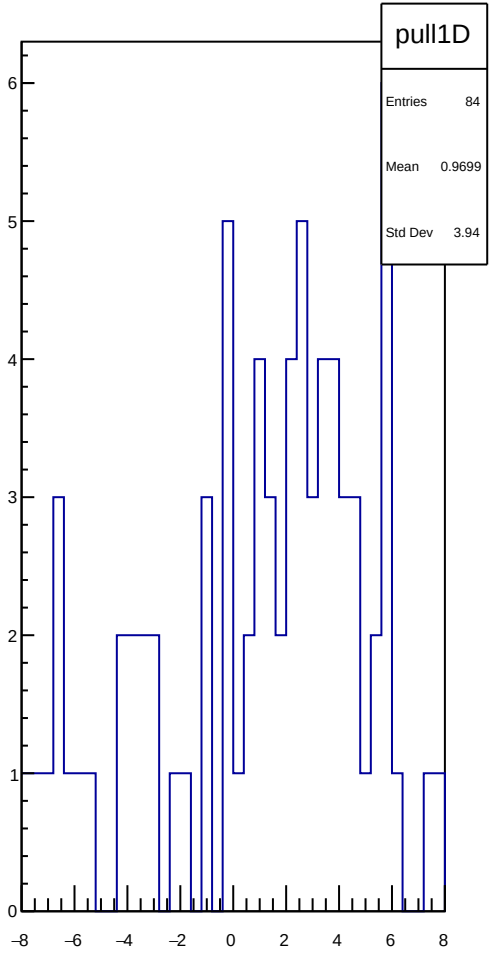

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 119 / 83
p0 0.07377 ± 0.00882
pull
Entries 84
Mean −545.5
Std Dev 583.6
pull1D
Entries 84
Mean 0.01628
Std Dev 1.19

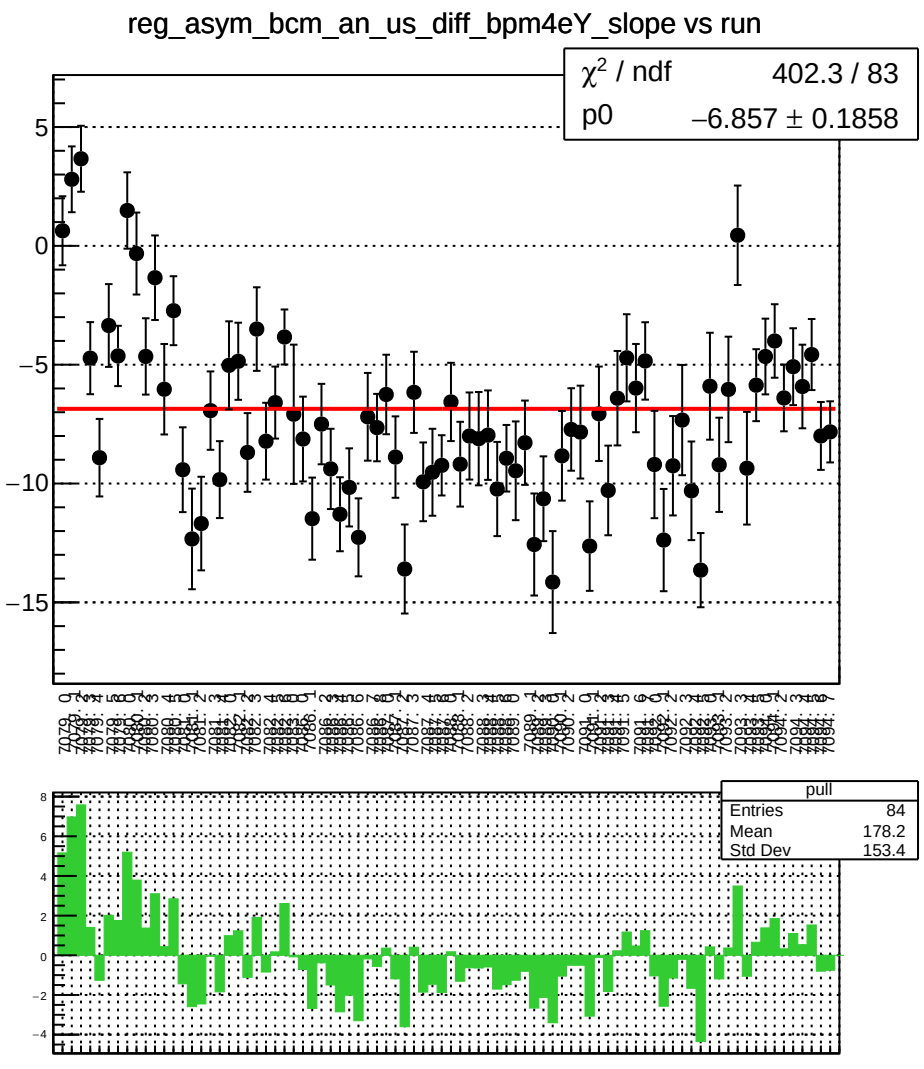

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 2182 / 83
p0 −39.81 ± 0.2322
pull
Entries 84
Mean 125
Std Dev 93.41

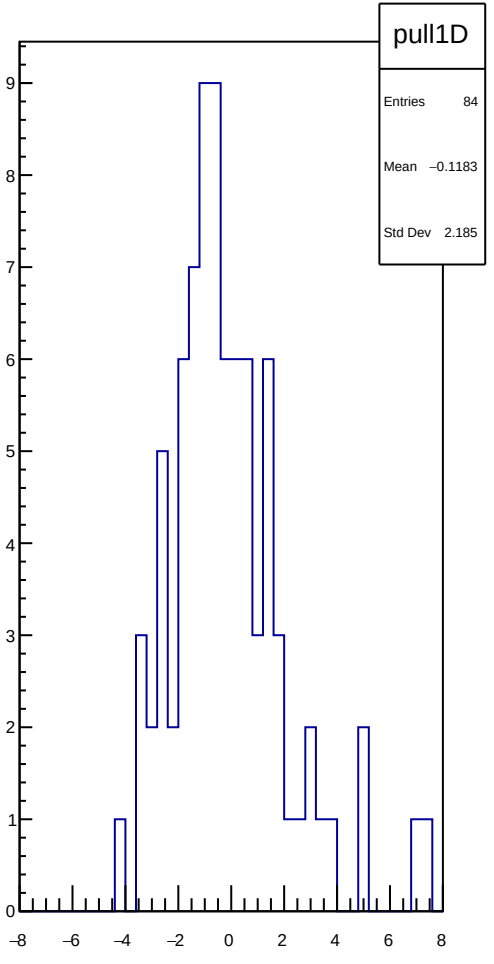

pull1D
Entries 84
Mean −0.9609
Std Dev 3.969

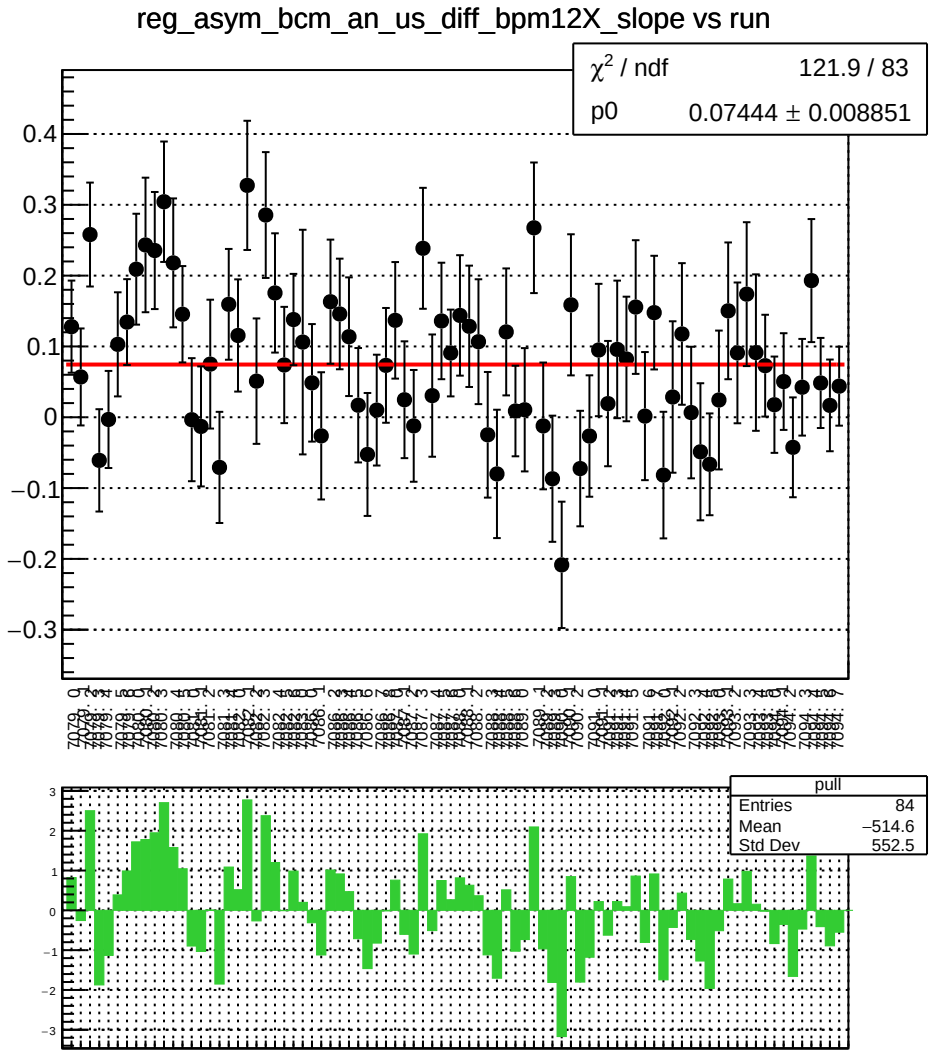

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 348.8 / 83
p0 4.536 ± 0.1771
pull
Entries 84
Mean 215.9
Std Dev 192.2
pull1D
Entries 84
Mean 0.08632
Std Dev 2.036

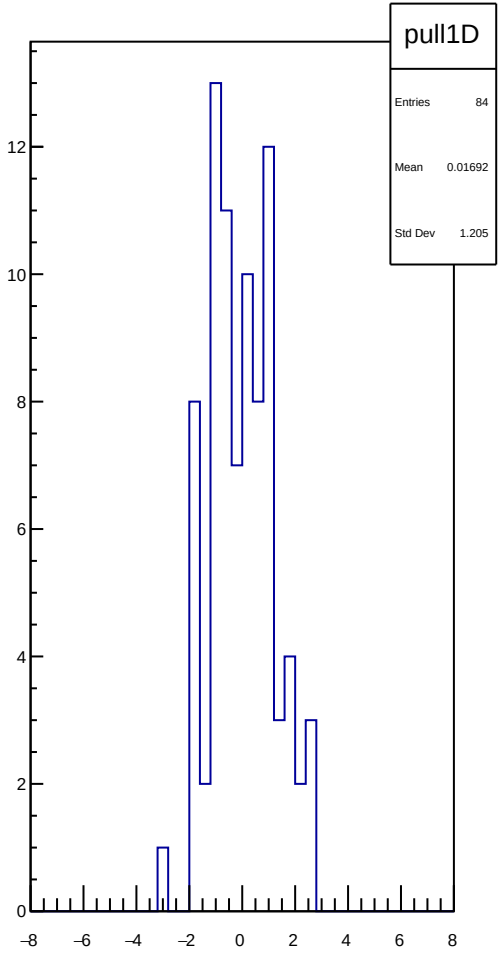

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 2158 / 83
p0 37.28 ± 0.224
pull
Entries 84
Mean 126.4
Std Dev 94.55

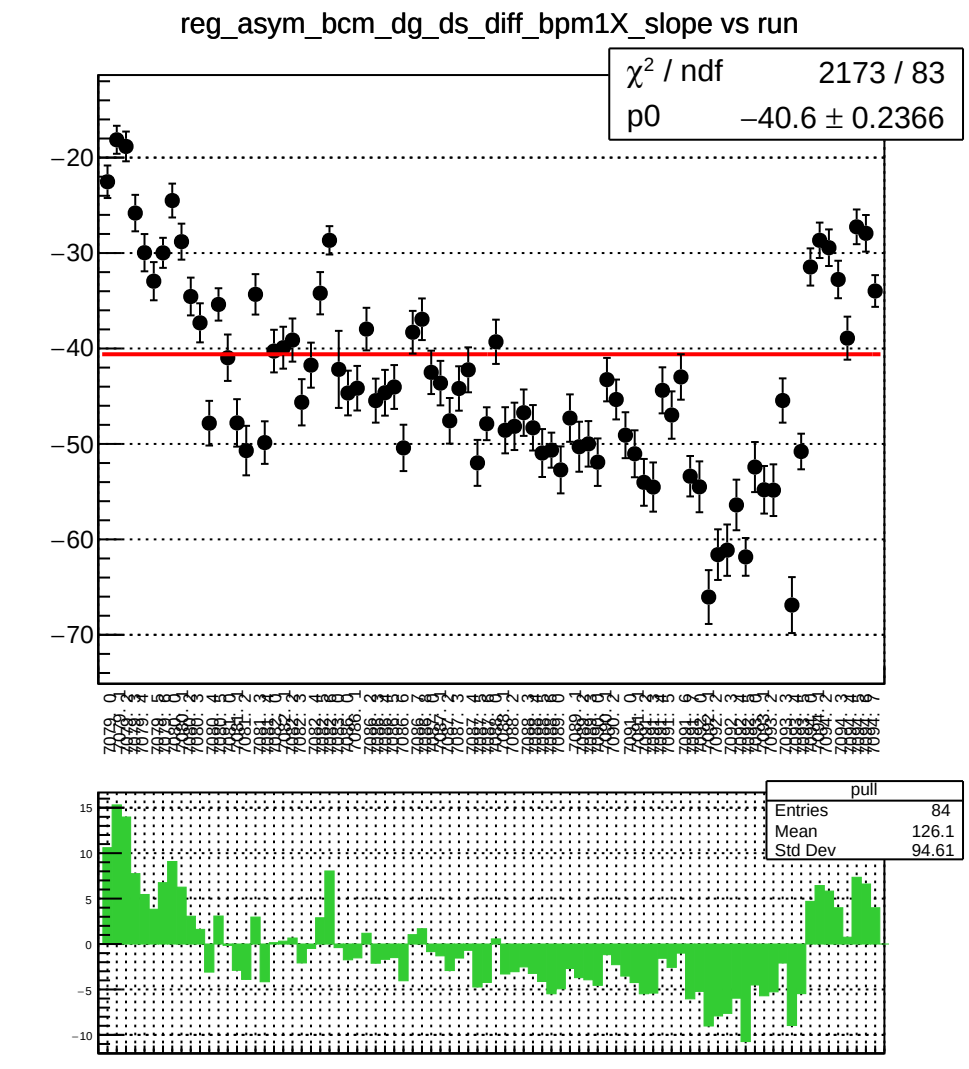

pull1D
Entries 84
Mean 0.9699
Std Dev 3.94

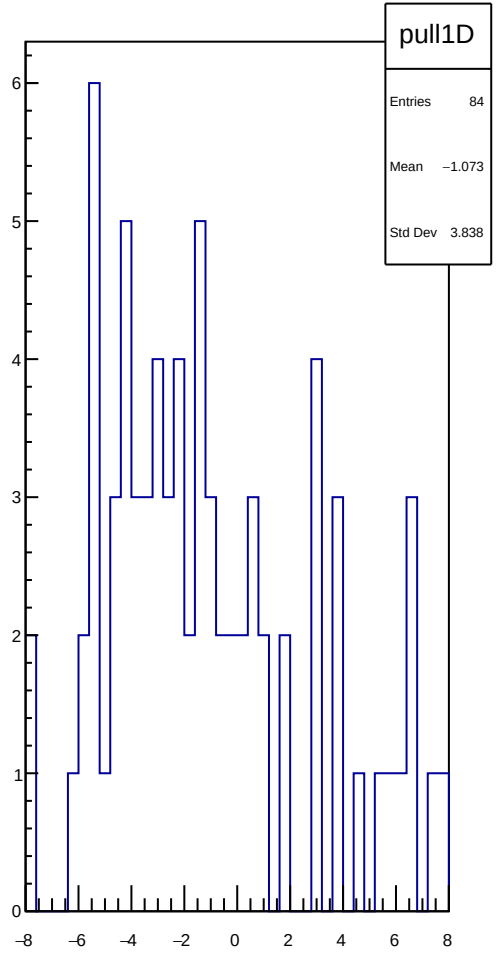

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 402.3 / 83
p0 −6.857 ± 0.1858
pull
Entries 84
Mean 178.2
Std Dev 153.4

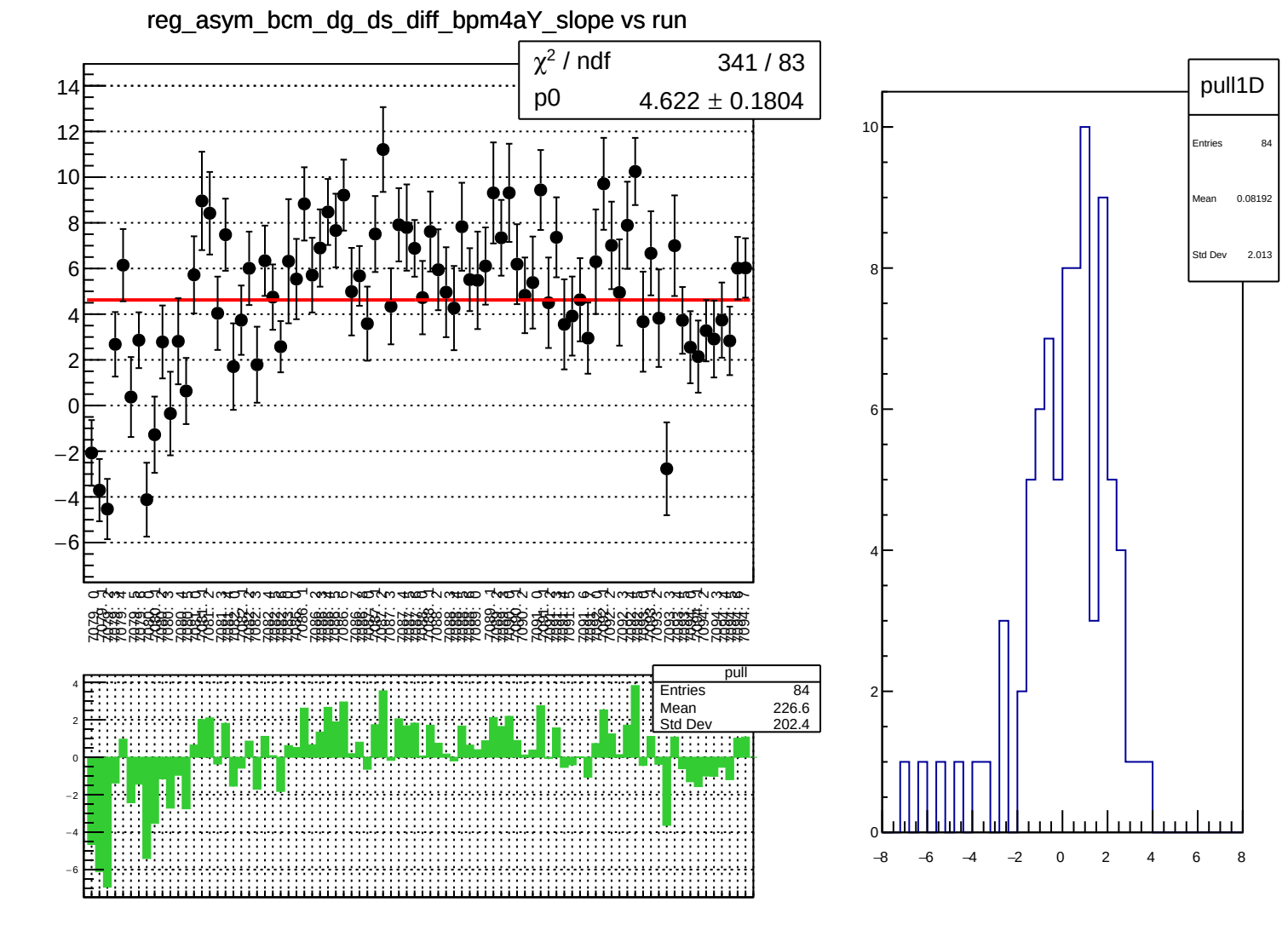

pull1D
Entries 84
Mean −0.1183
Std Dev 2.185

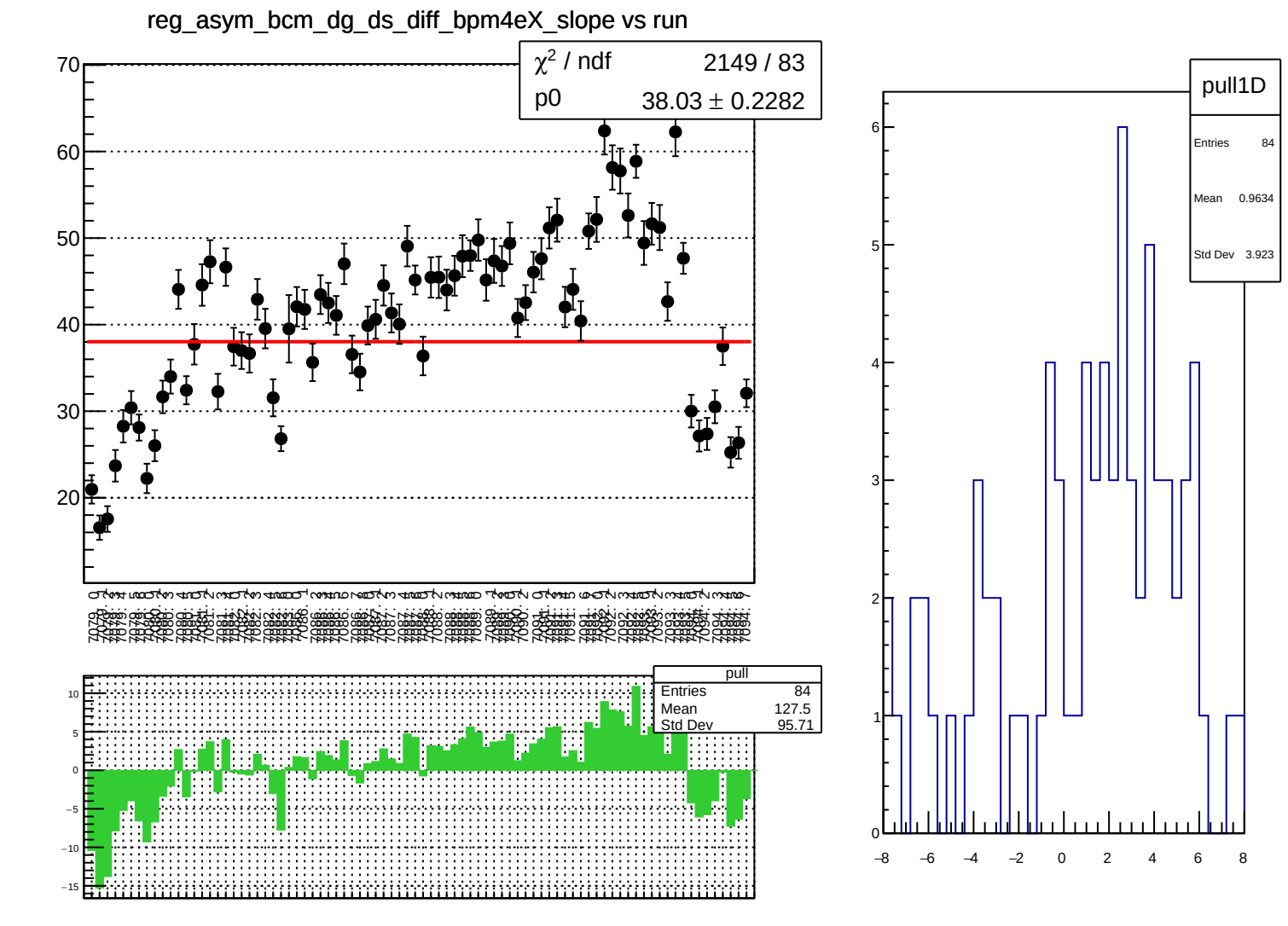

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 121.9 / 83
p0 0.07444 ± 0.008851
pull
Entries 84
Mean −514.6
Std Dev 552.5

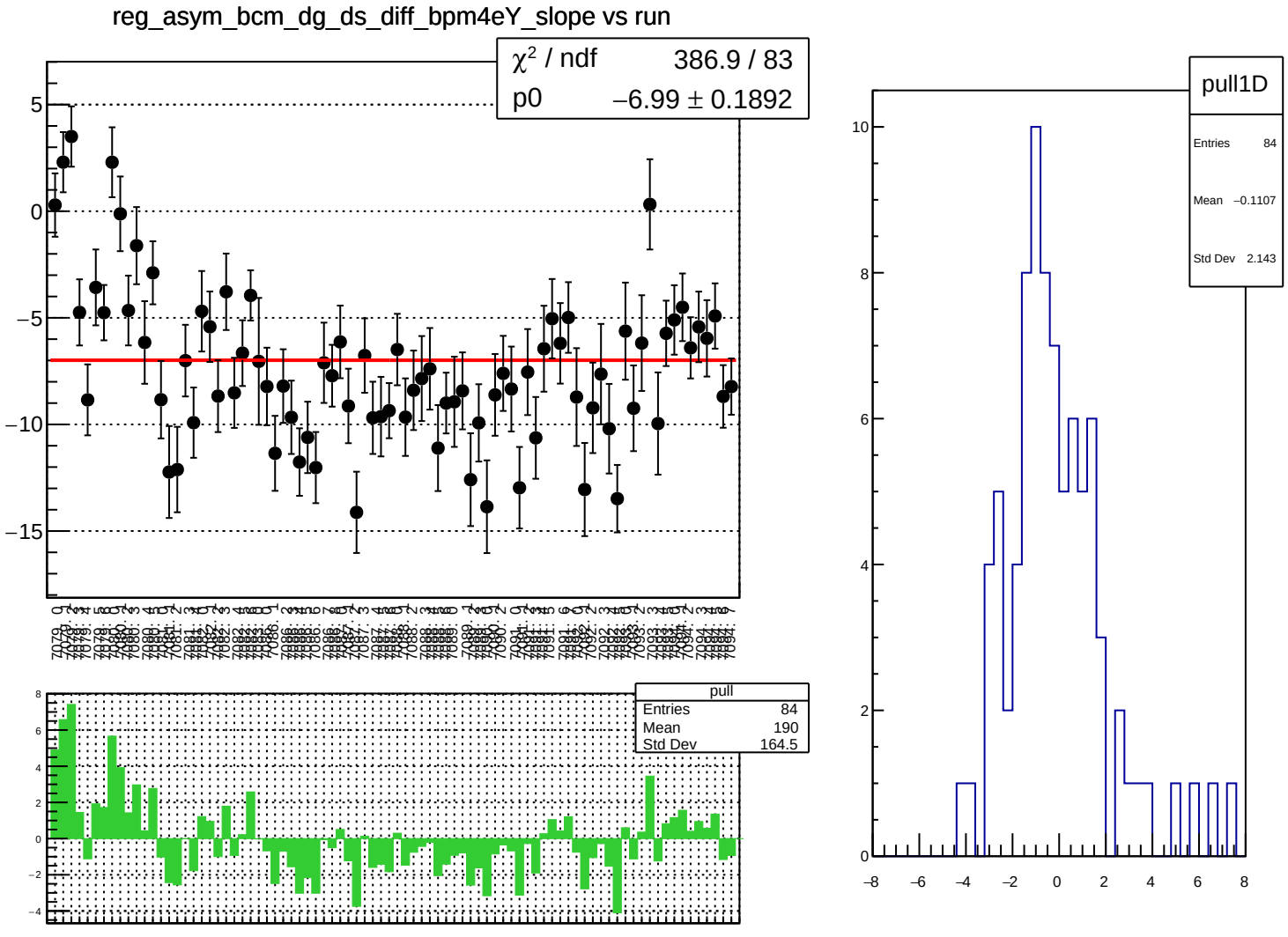

pull1D
Entries 84
Mean 0.01692
Std Dev 1.205

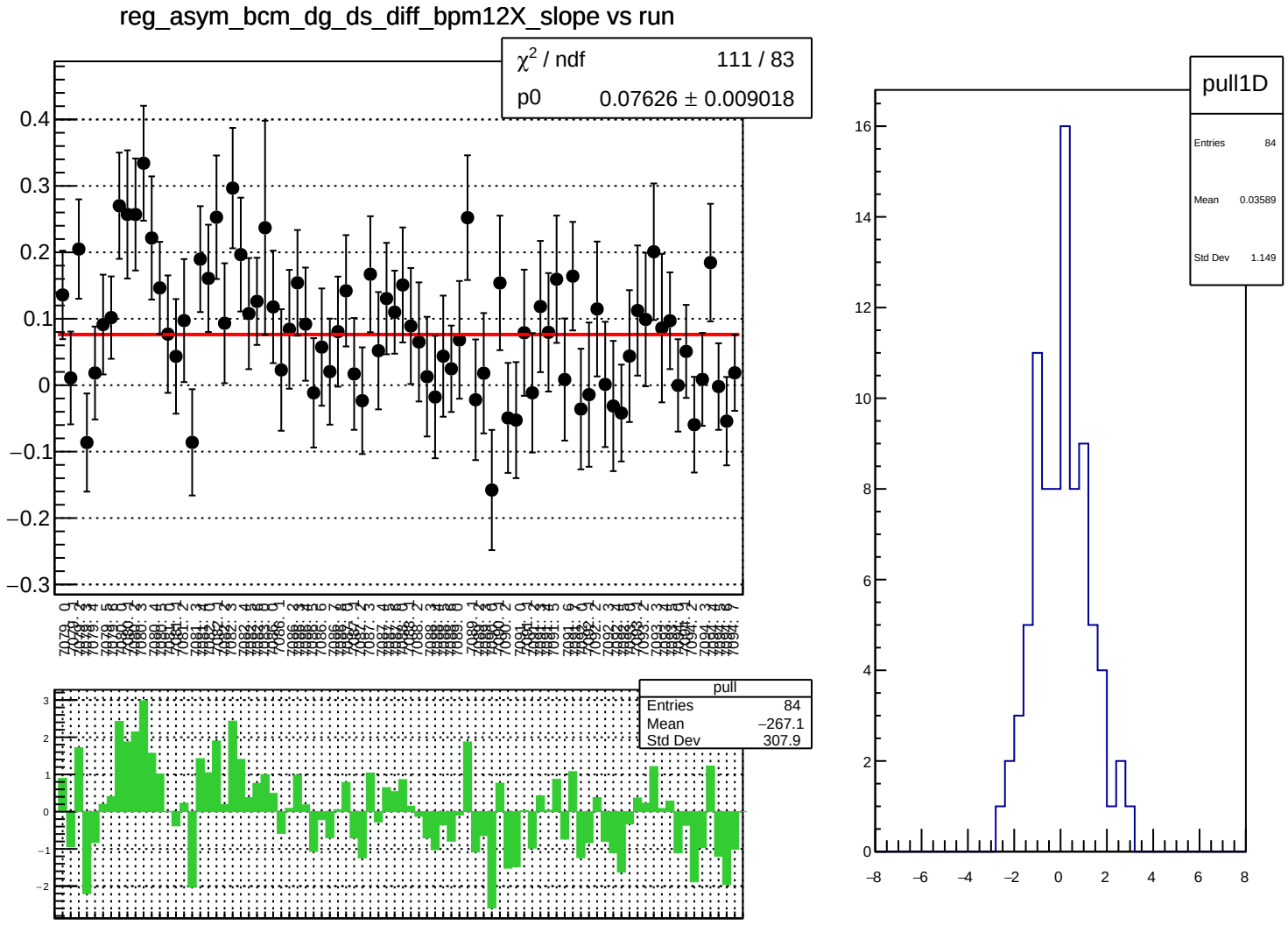

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 2173 / 83
p0 −40.6 ± 0.2366
pull
Entries 84
Mean 126.1
Std Dev 94.61

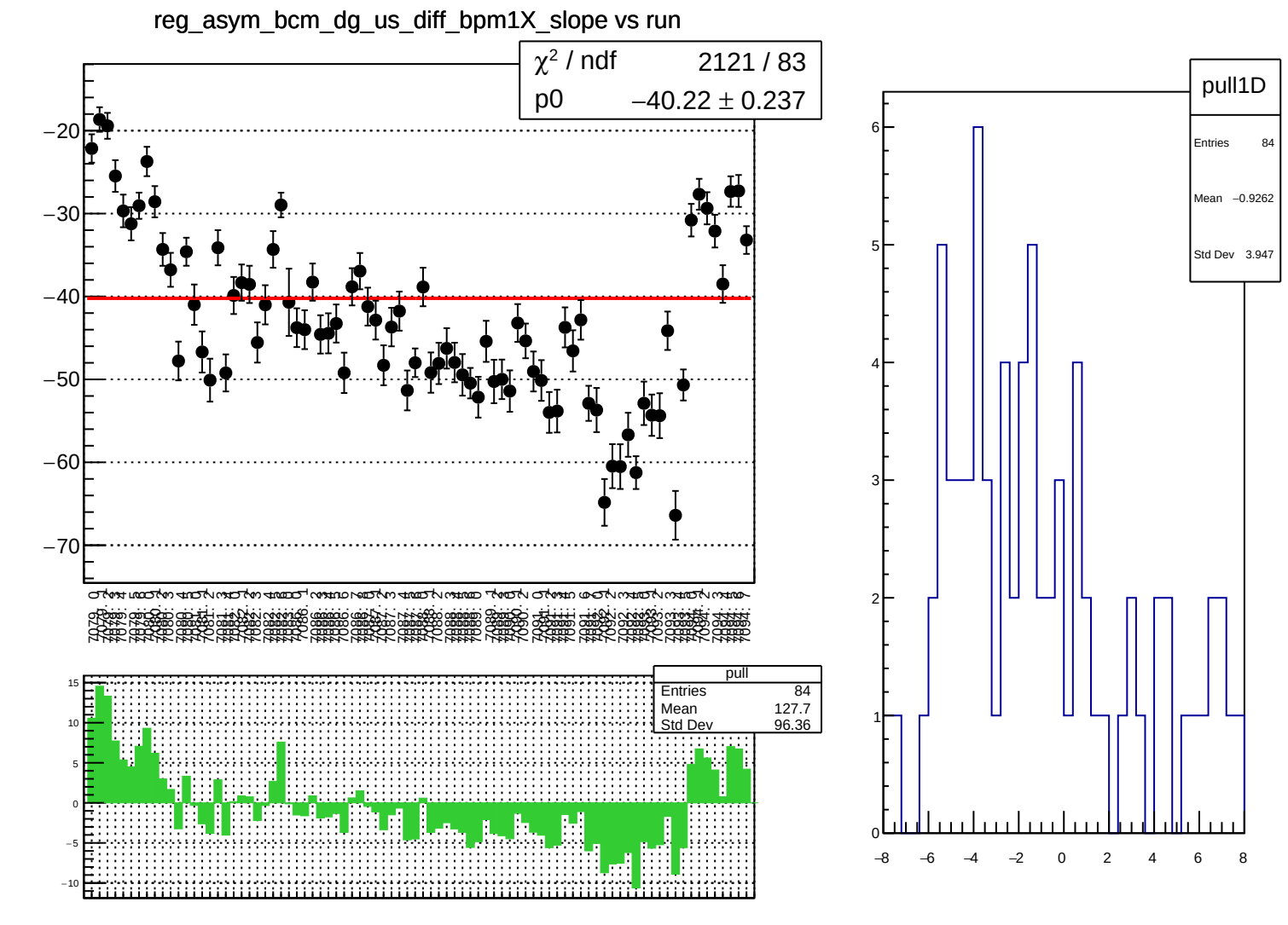

pull1D
Entries 84
Mean −1.073
Std Dev 3.838

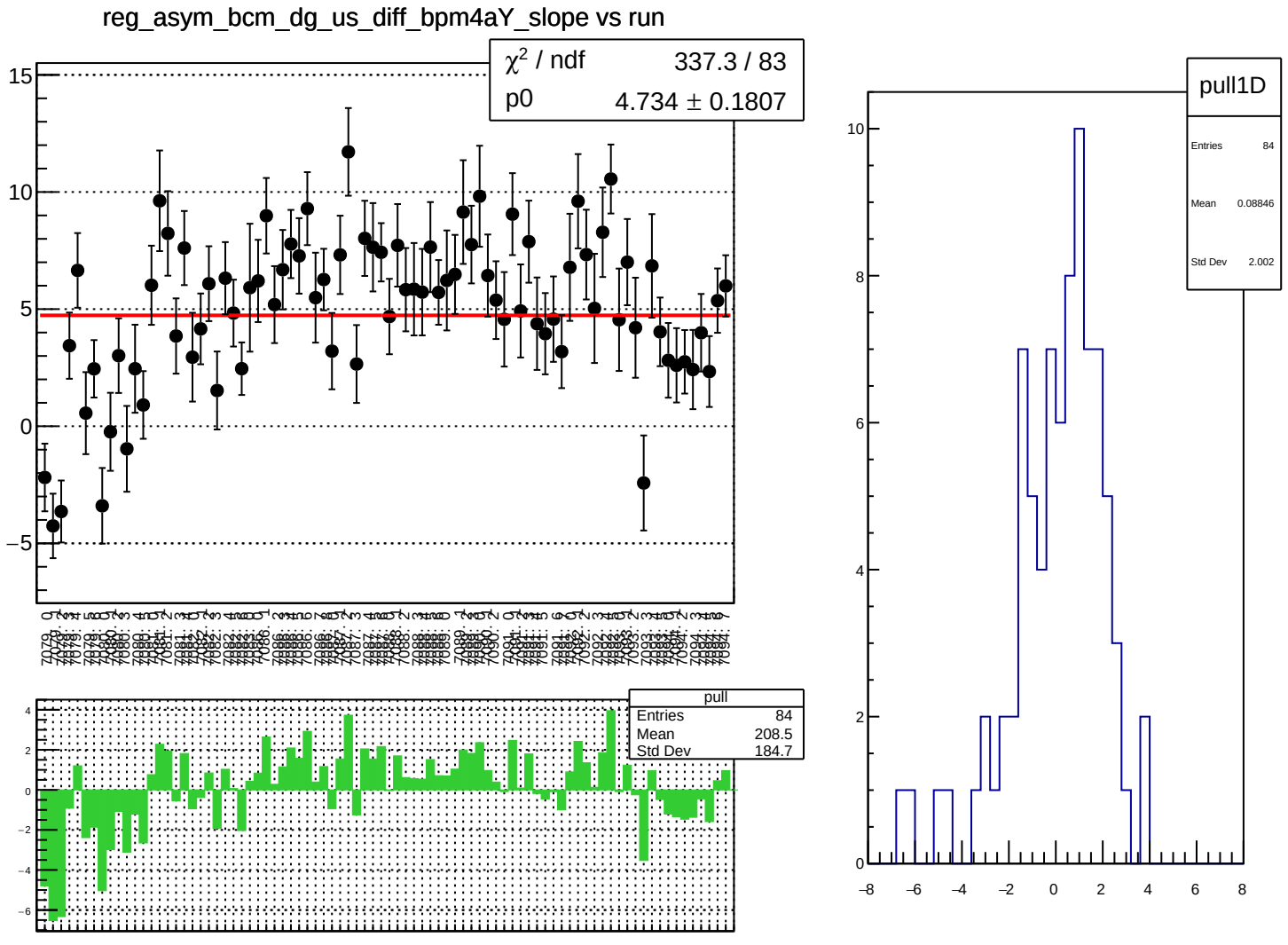

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 341 / 83
p0 4.622 ± 0.1804
pull
Entries 84
Mean 226.6
Std Dev 202.4
pull1D
Entries 84
Mean 0.08192
Std Dev 2.013

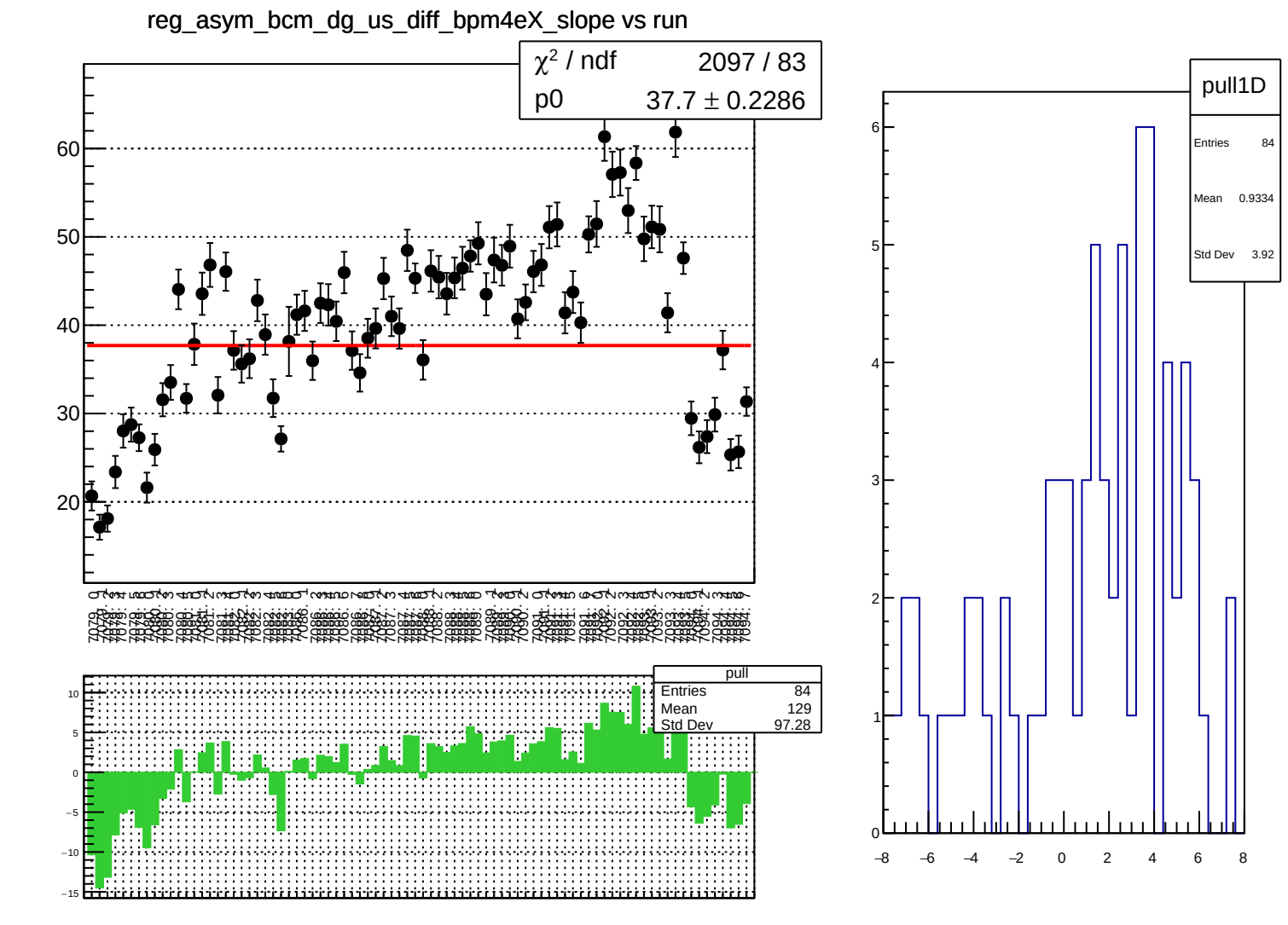

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 2149 / 83
p0 38.03 ± 0.2282
pull
Entries 84
Mean 127.5
Std Dev 95.71
pull1D
Entries 84
Mean 0.9634
Std Dev 3.923

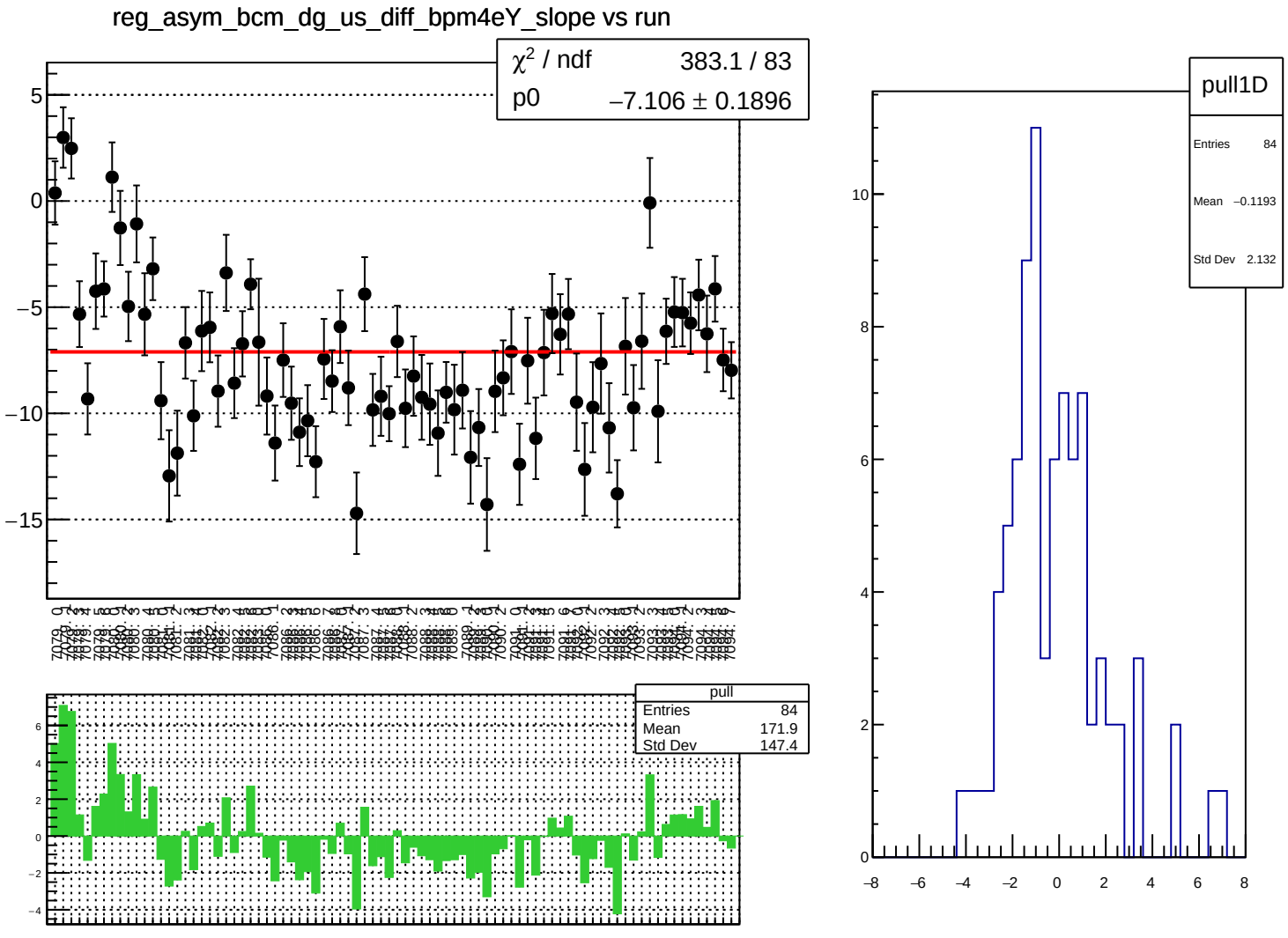

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 386.9 / 83
p0 −6.99 ± 0.1892
pull
Entries 84
Mean 190
Std Dev 164.5
pull1D
Entries 84
Mean −0.1107
Std Dev 2.143

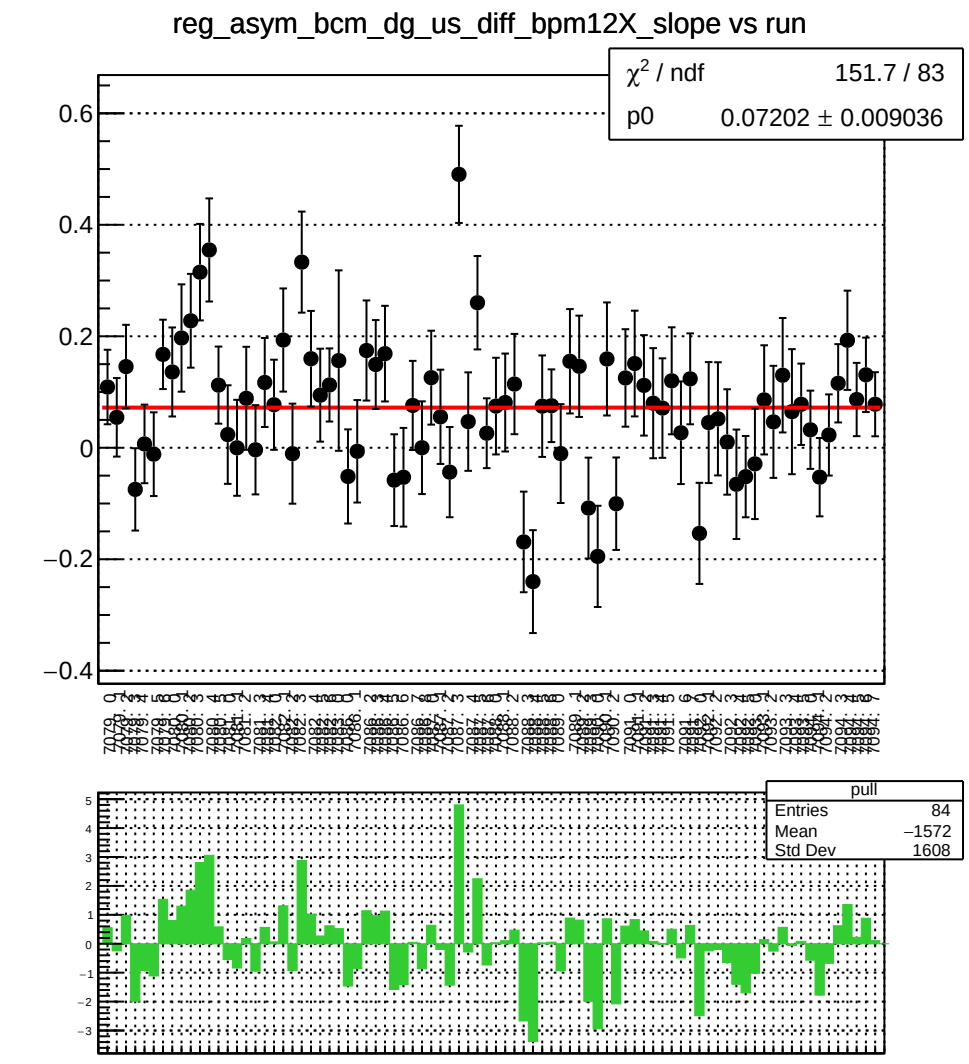

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 111 / 83
p0 0.07626 ± 0.009018
pull
Entries 84
Mean −267.1
Std Dev 307.9
pull1D
Entries 84
Mean 0.03589
Std Dev 1.149

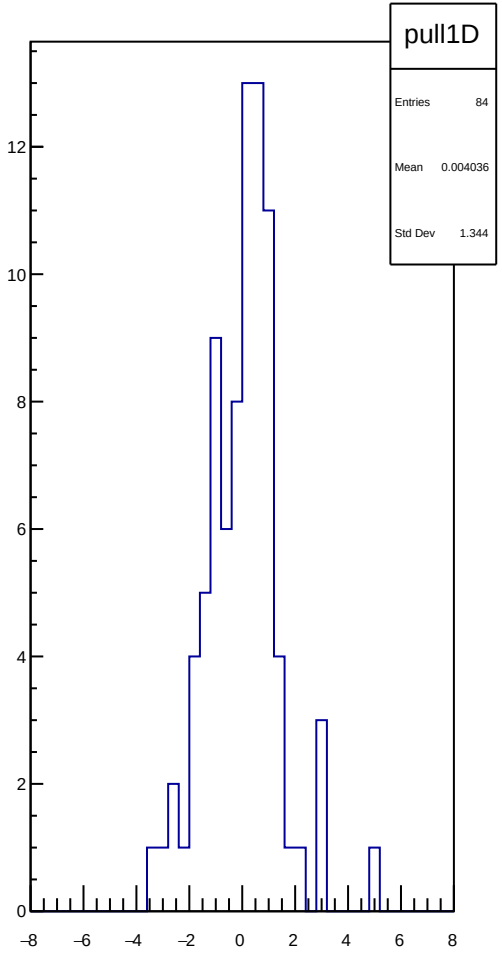

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 2121 / 83
p0 −40.22 ± 0.237
pull
Entries 84
Mean 127.7
Std Dev 96.36
pull1D
Entries 84
Mean −0.9262
Std Dev 3.947


reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 337.3 / 83
p0 4.734 ± 0.1807
pull
Entries 84
Mean 208.5
Std Dev 184.7
pull1D
Entries 84
Mean 0.08846
Std Dev 2.002


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 2097 / 83
p0 37.7 ± 0.2286
pull
Entries 84
Mean 129
Std Dev 97.28
pull1D
Entries 84
Mean 0.9334
Std Dev 3.92


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 383.1 / 83
p0 −7.106 ± 0.1896
pull
Entries 84
Mean 171.9
Std Dev 147.4
pull1D
Entries 84
Mean −0.1193
Std Dev 2.132


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 151.7 / 83
p0 0.07202 ± 0.009036
pull
Entries 84
Mean −1572
Std Dev 1608


pull1D
Entries 84
Mean 0.004036
Std Dev 1.344