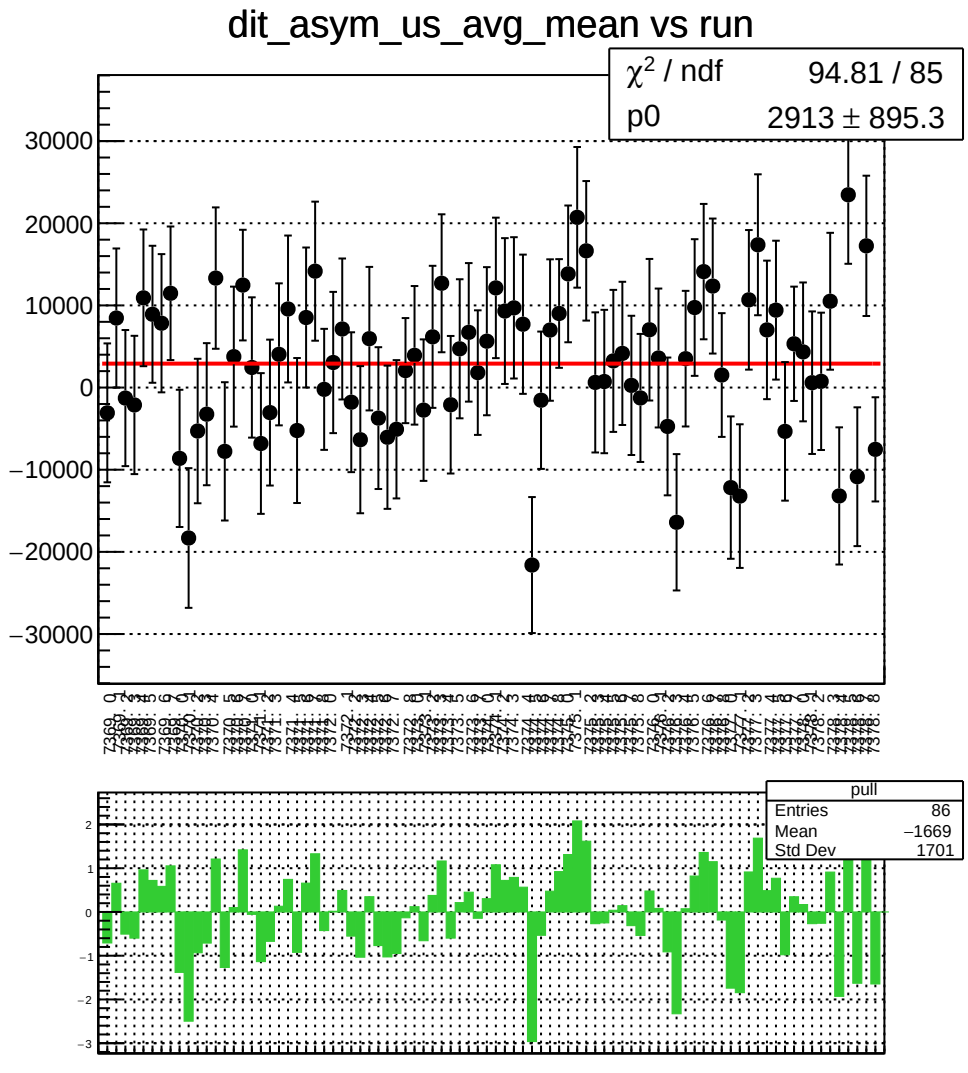
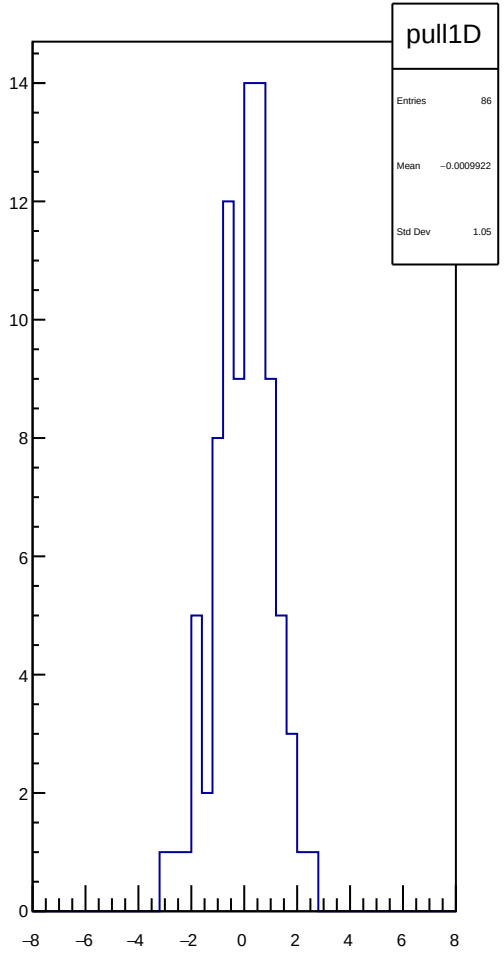
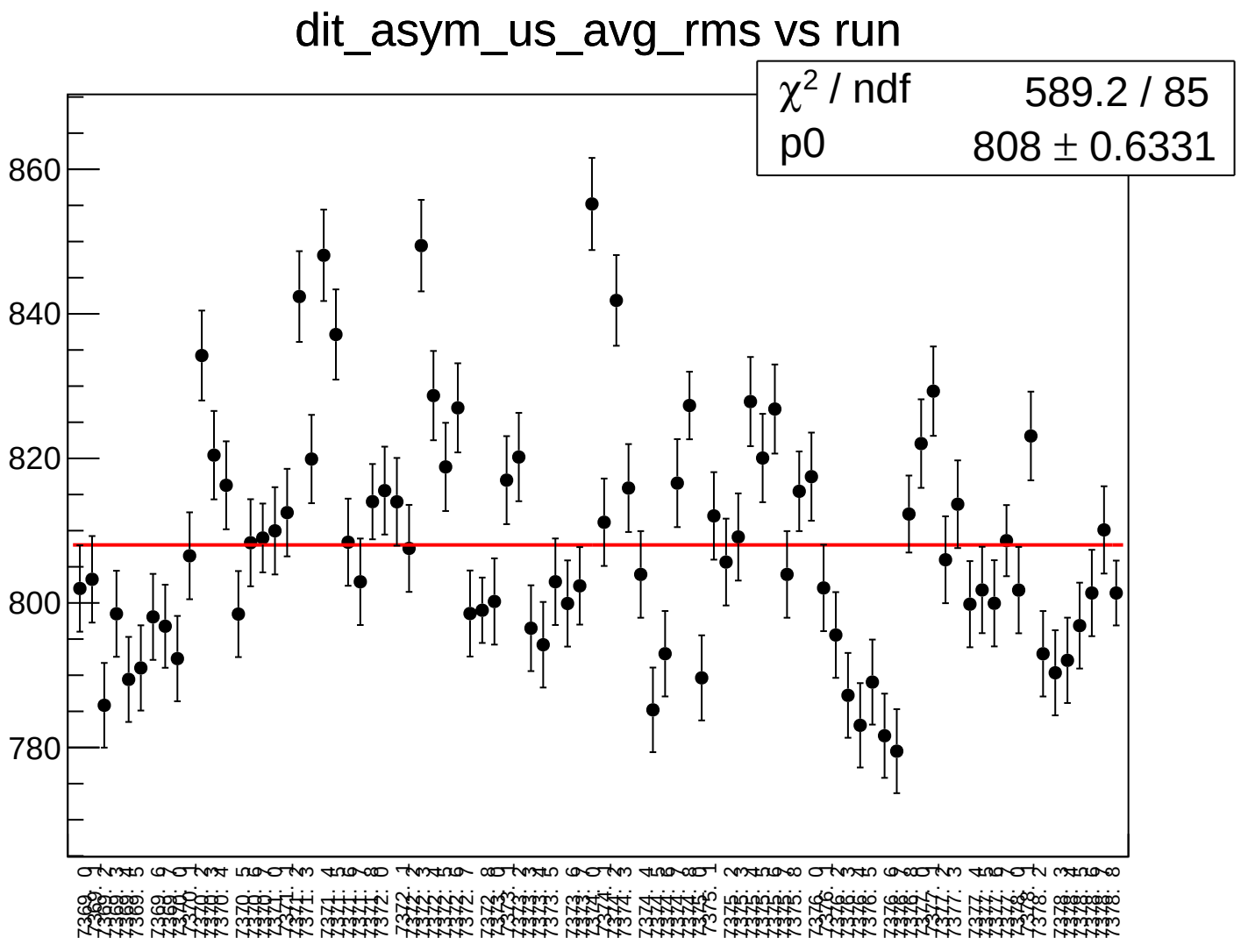
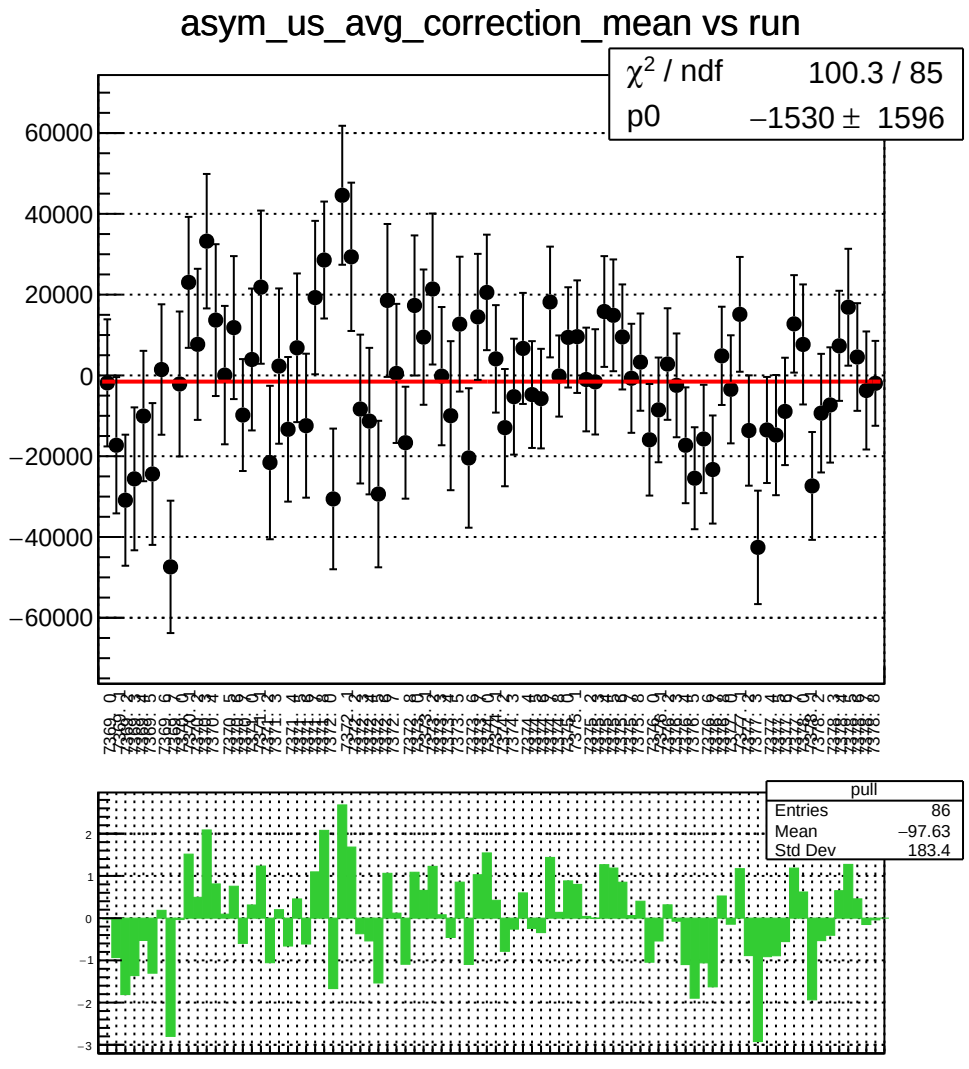
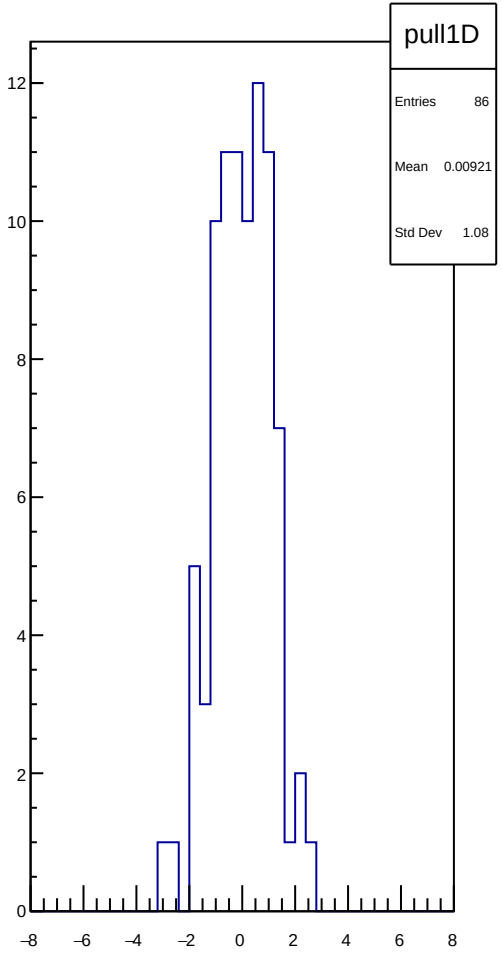
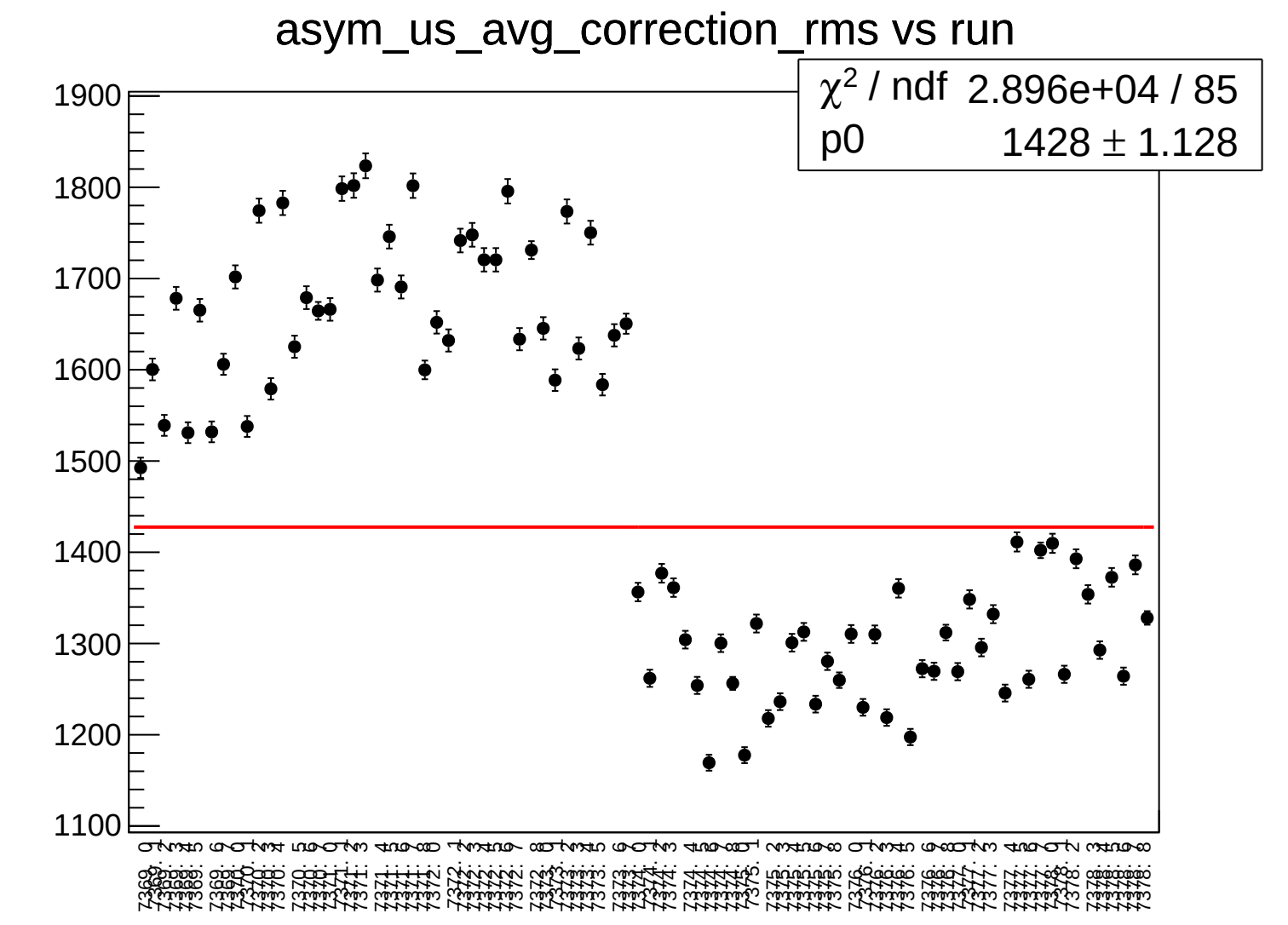

dit_asym_us_avg_mean vs run
χ² / ndf 94.81 / 85
p0 2913 ± 895.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −1669
Std Dev 1701
2
1
0
−1
−2
−3

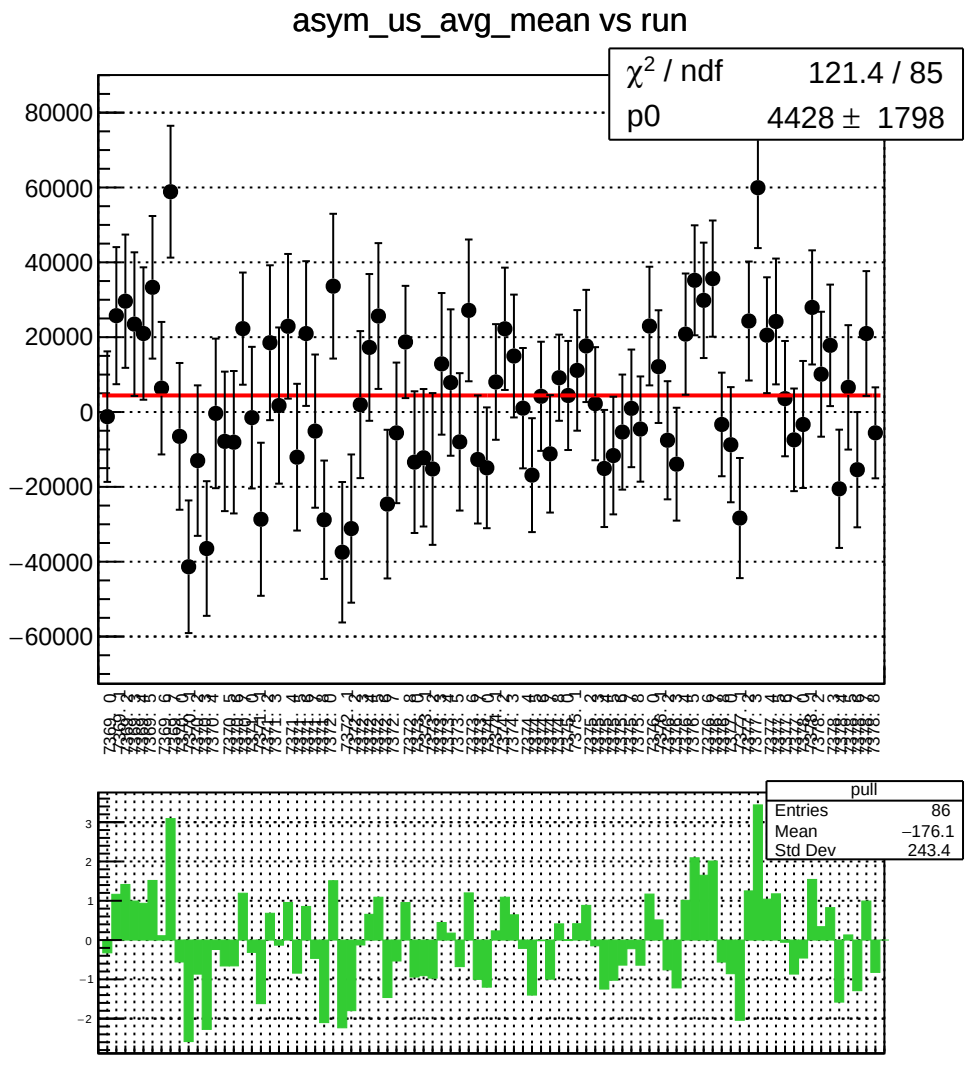

pull1D
Entries 86
Mean −0.0009922
Std Dev 1.05
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

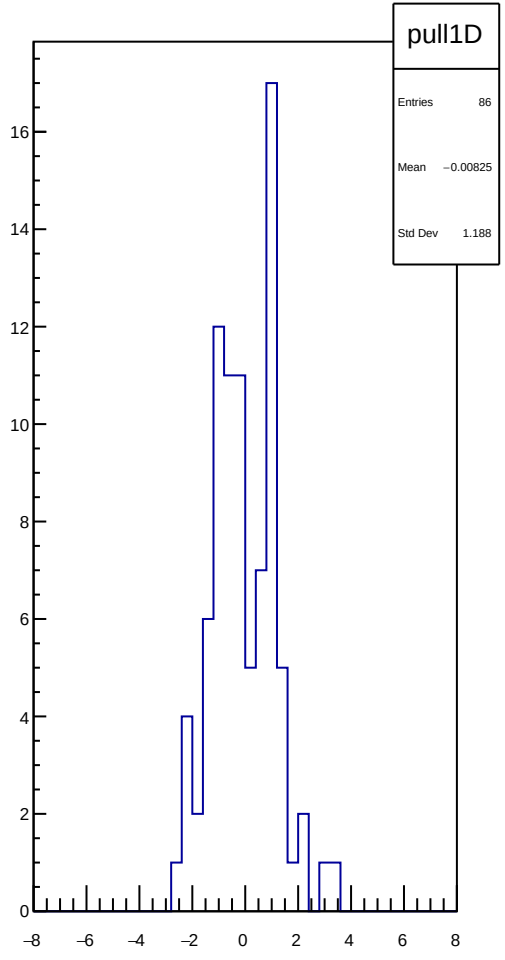

dit_asym_us_avg_rms vs run
χ² / ndf 589.2 / 85
p0 808 ± 0.6331
860
840
820
800
780

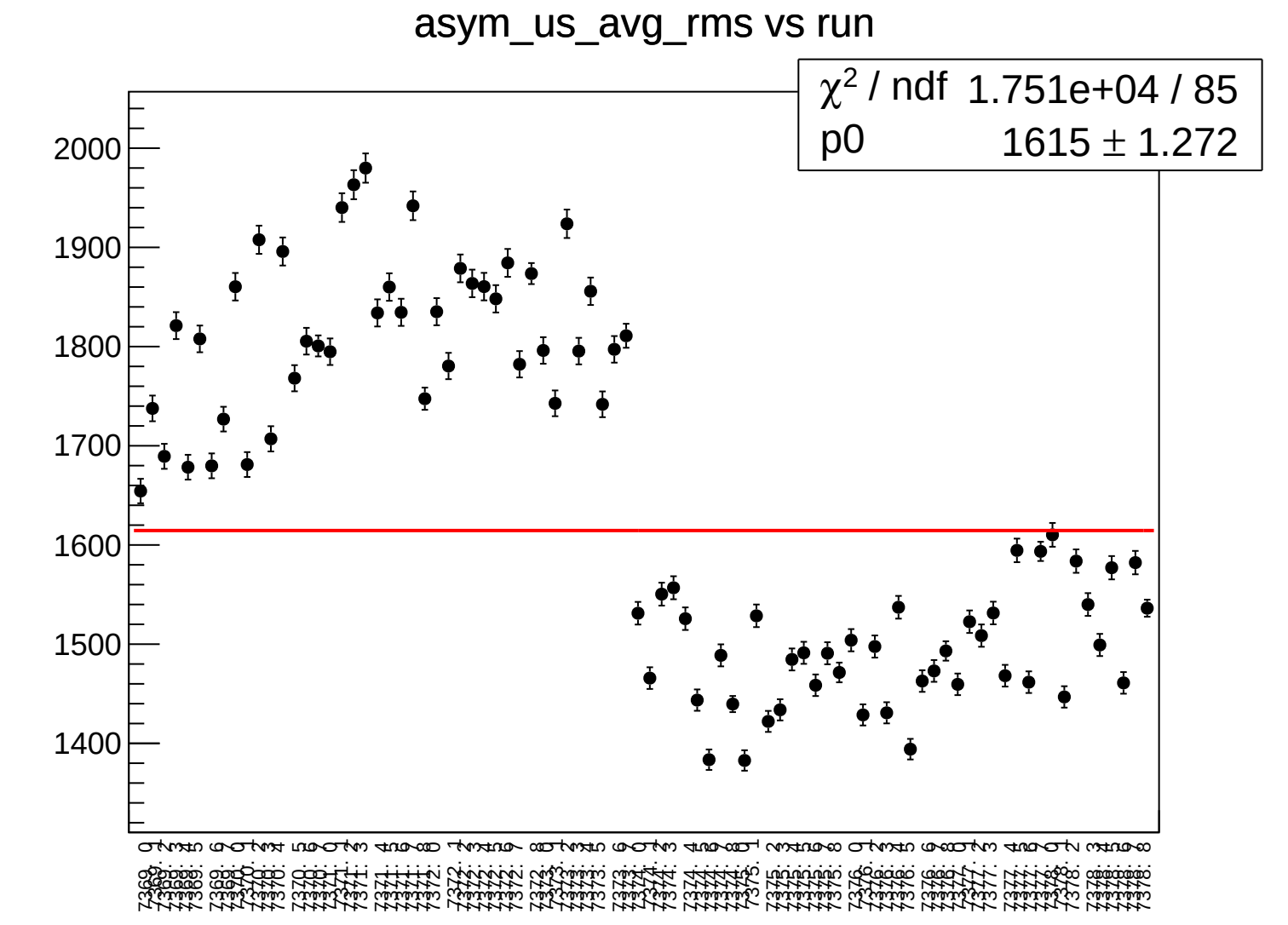

asym_us_avg_correction_mean vs run
χ² / ndf 100.3 / 85
p0 −1530 ± 1596
pull
Entries 86
Mean −97.63
Std Dev 183.4

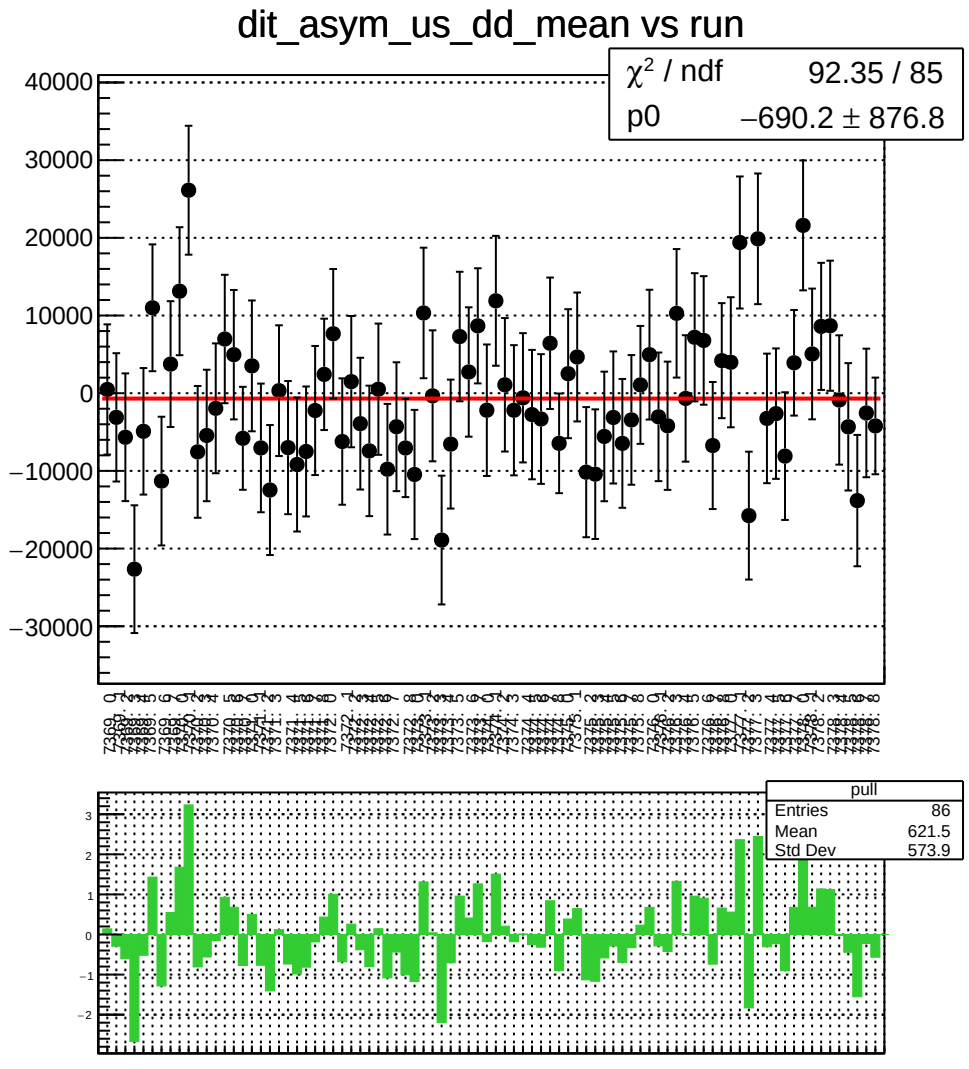

pull1D
Entries 86
Mean 0.00921
Std Dev 1.08

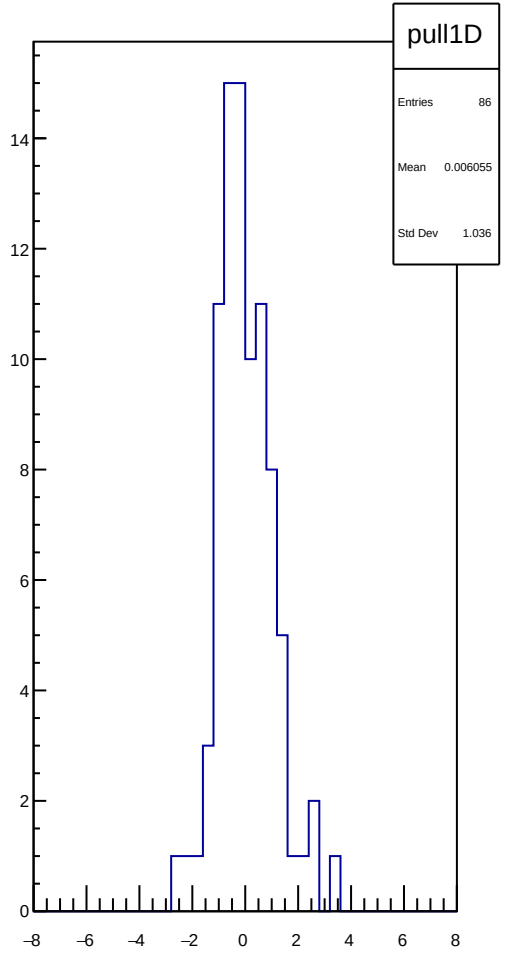

asym_us_avg_correction_rms vs run
χ² / ndf 2.896e+04 / 85
p0 1428 ± 1.128
1900
1800
1700
1600
1500
1400
1300
1200
1100

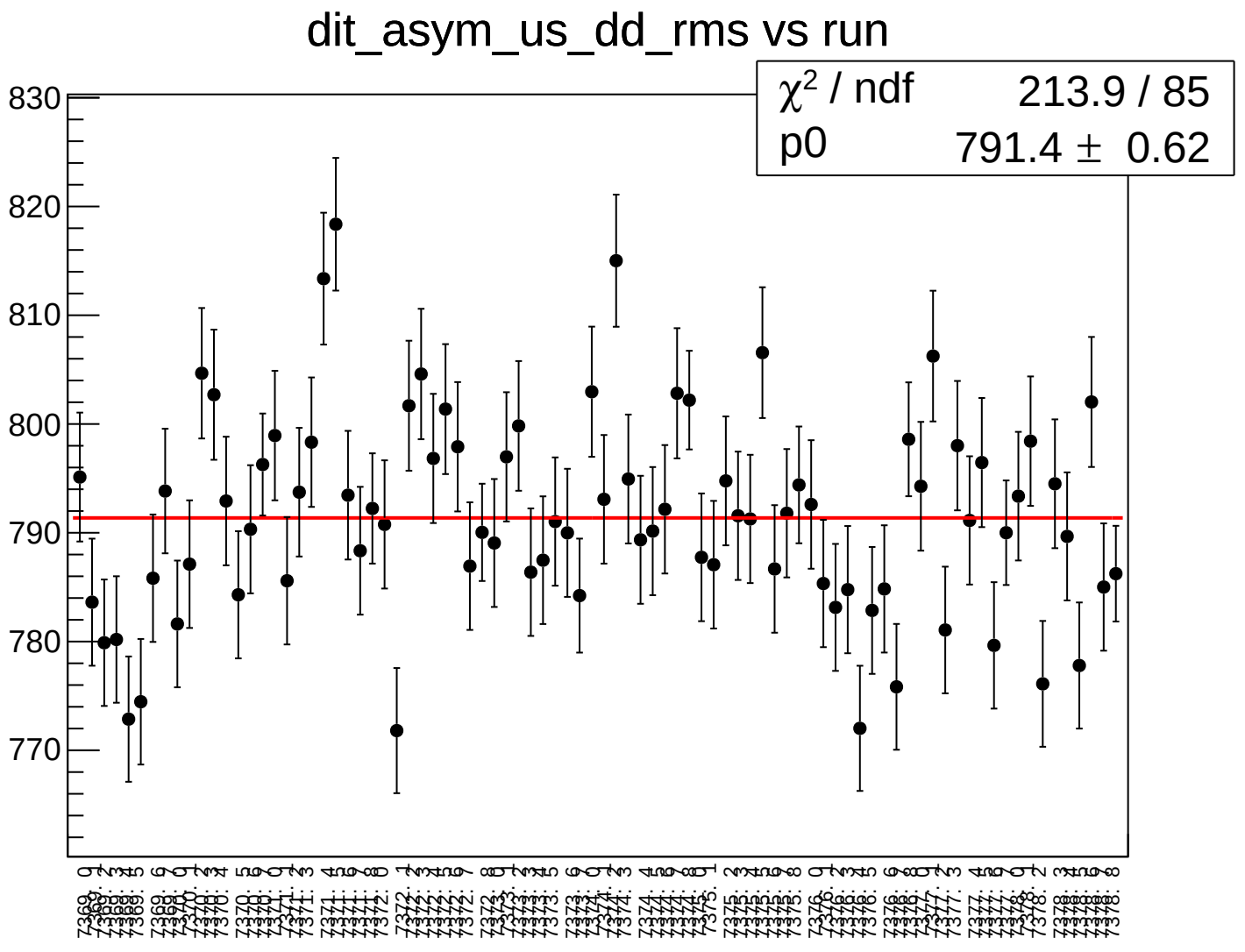

asym_us_avg_mean vs run
χ² / ndf 121.4 / 85
p0 4428 ± 1798
pull
Entries 86
Mean −176.1
Std Dev 243.4

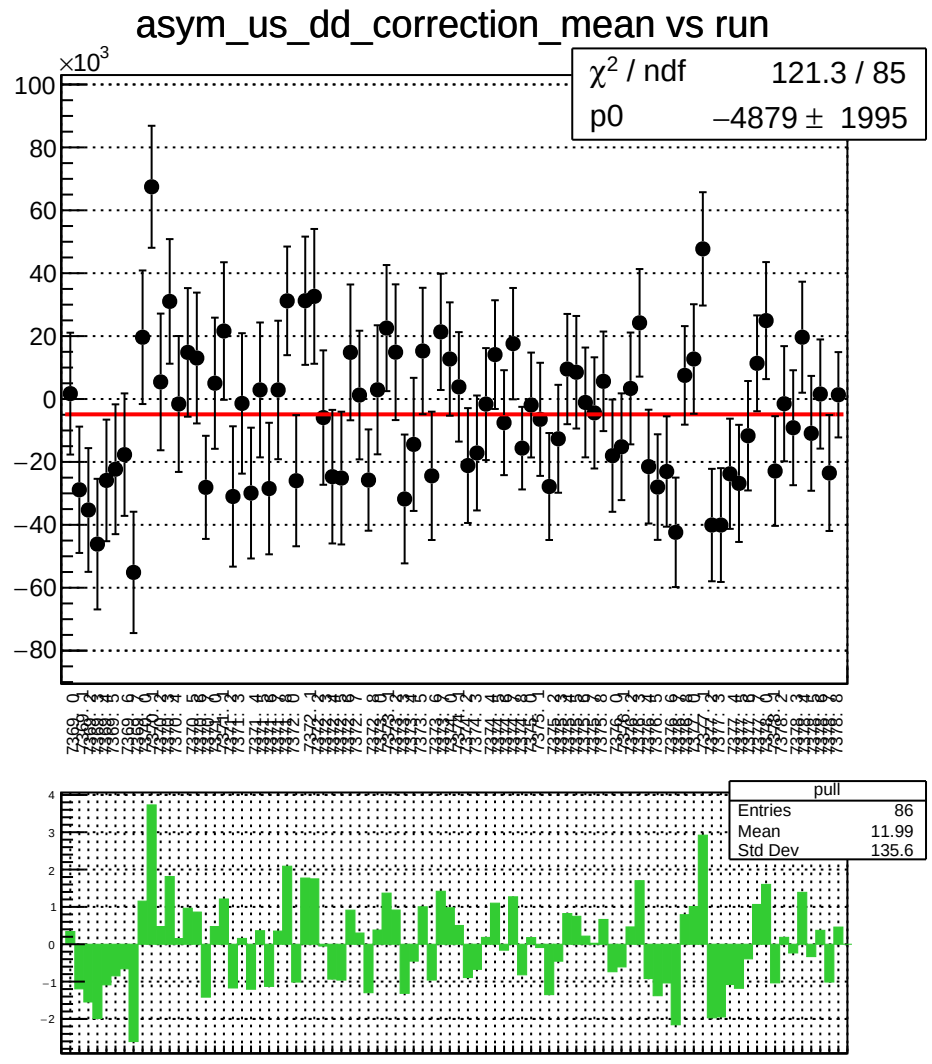

pull1D
Entries 86
Mean −0.00825
Std Dev 1.188

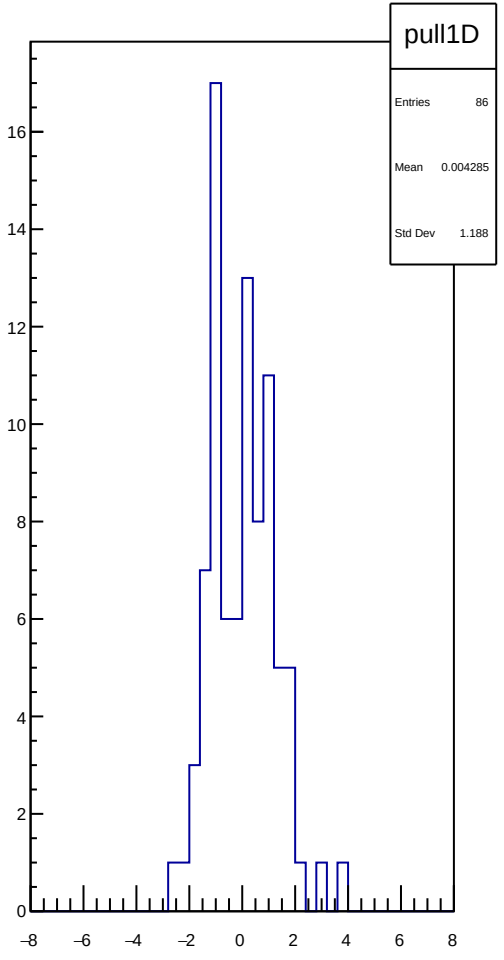

asym_us_avg_rms vs run
χ² / ndf 1.751e+04 / 85
p0 1615 ± 1.272
2000
1900
1800
1700
1600
1500
1400

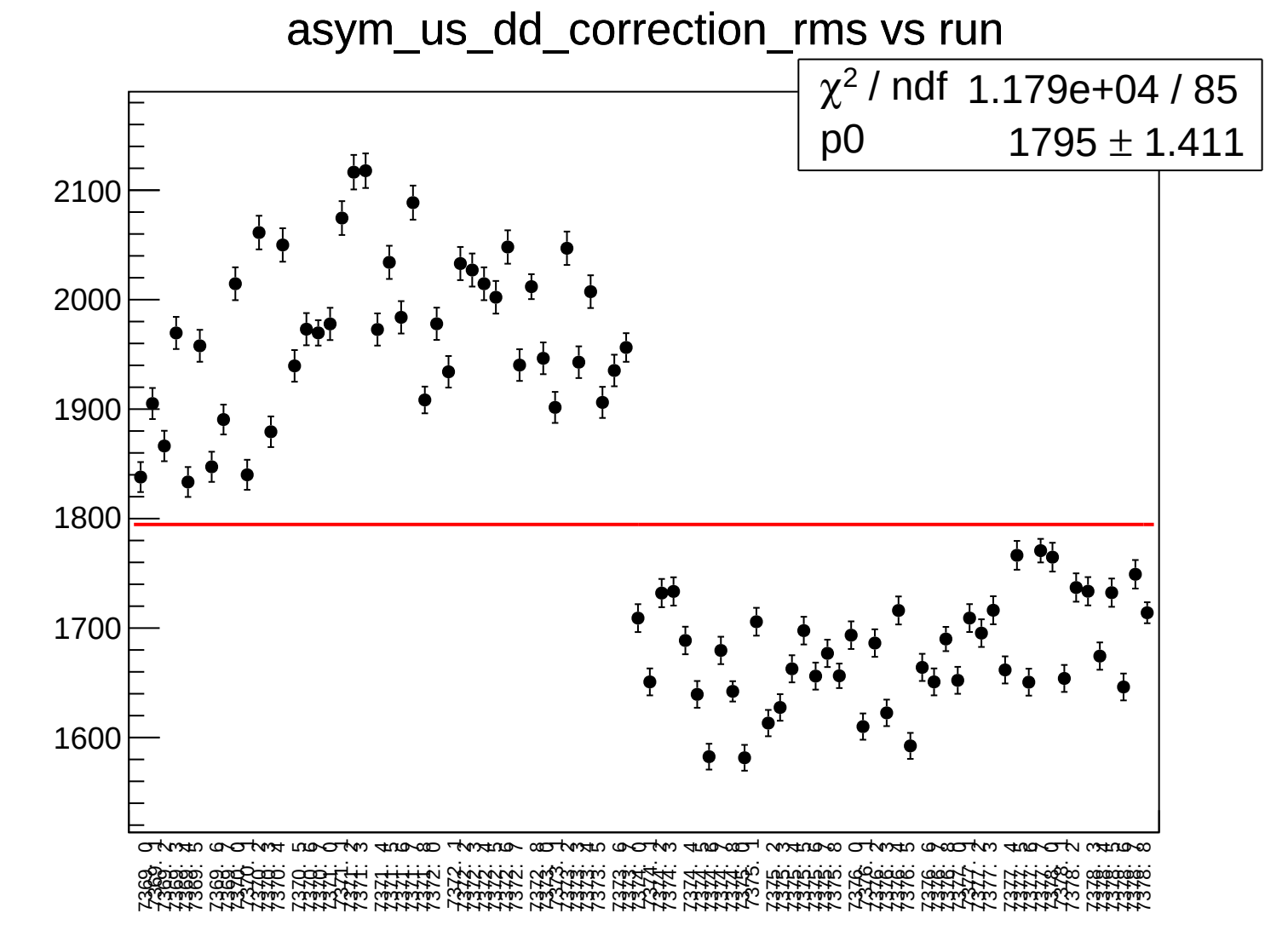

dit_asym_us_dd_mean vs run
χ² / ndf 92.35 / 85
p0 −690.2 ± 876.8
pull
Entries 86
Mean 621.5
Std Dev 573.9

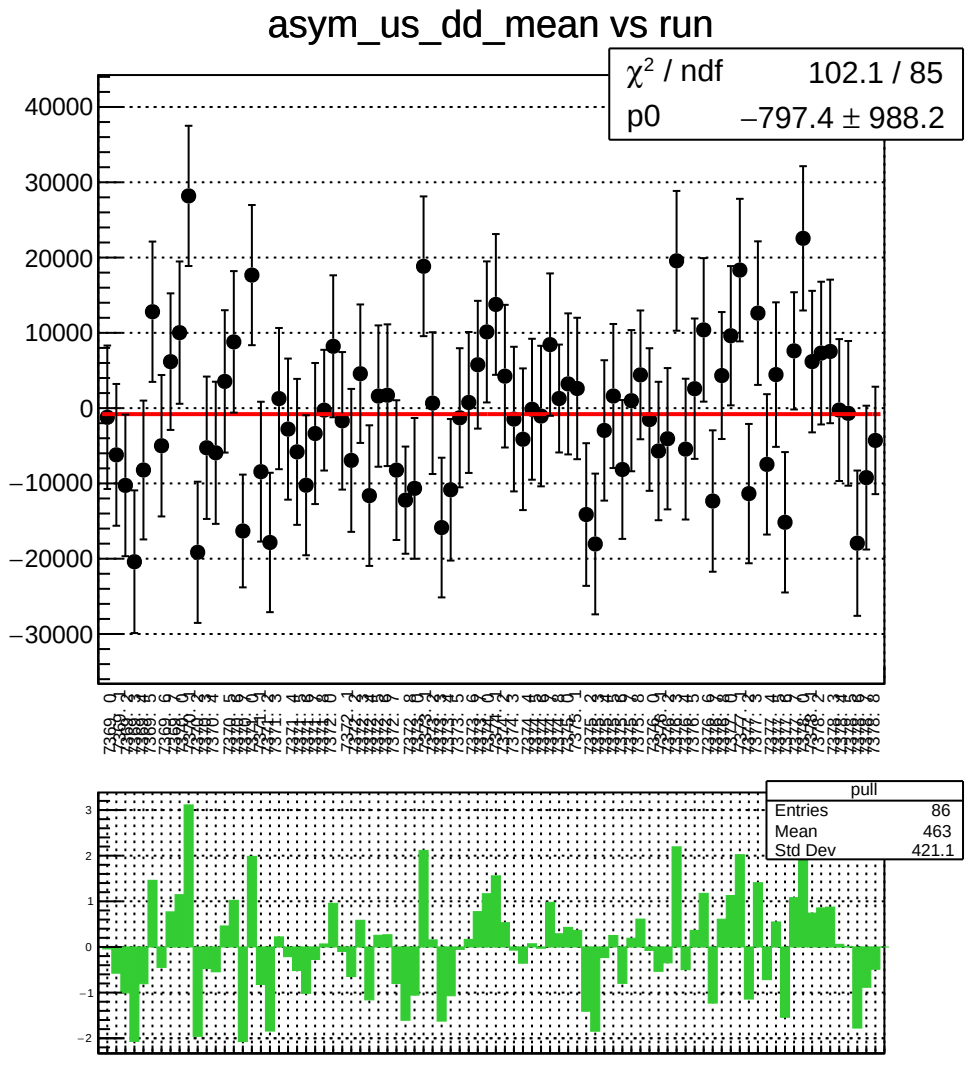

pull1D
Entries 86
Mean 0.006055
Std Dev 1.036

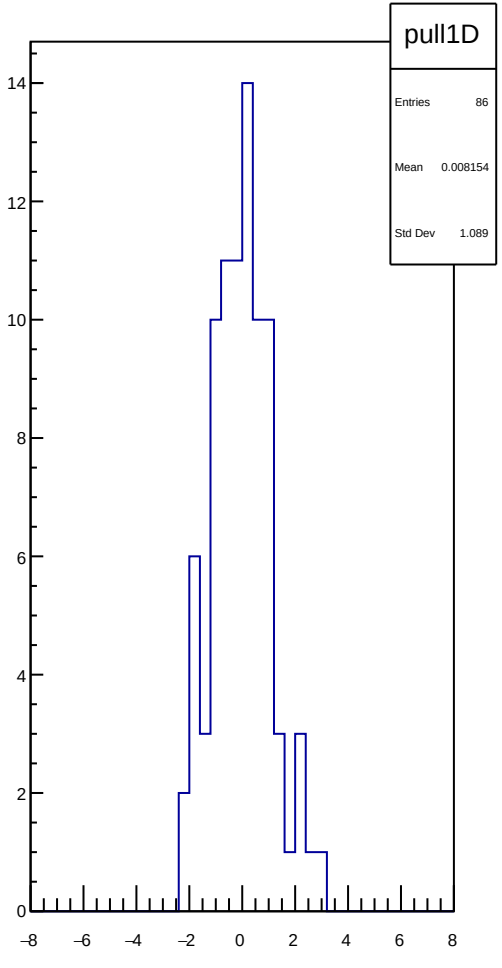

dit_asym_us_dd_rms vs run
$\chi^2$ / ndf 213.9 / 85
p0 791.4 ± 0.62
830
820
810
800
790
780
770

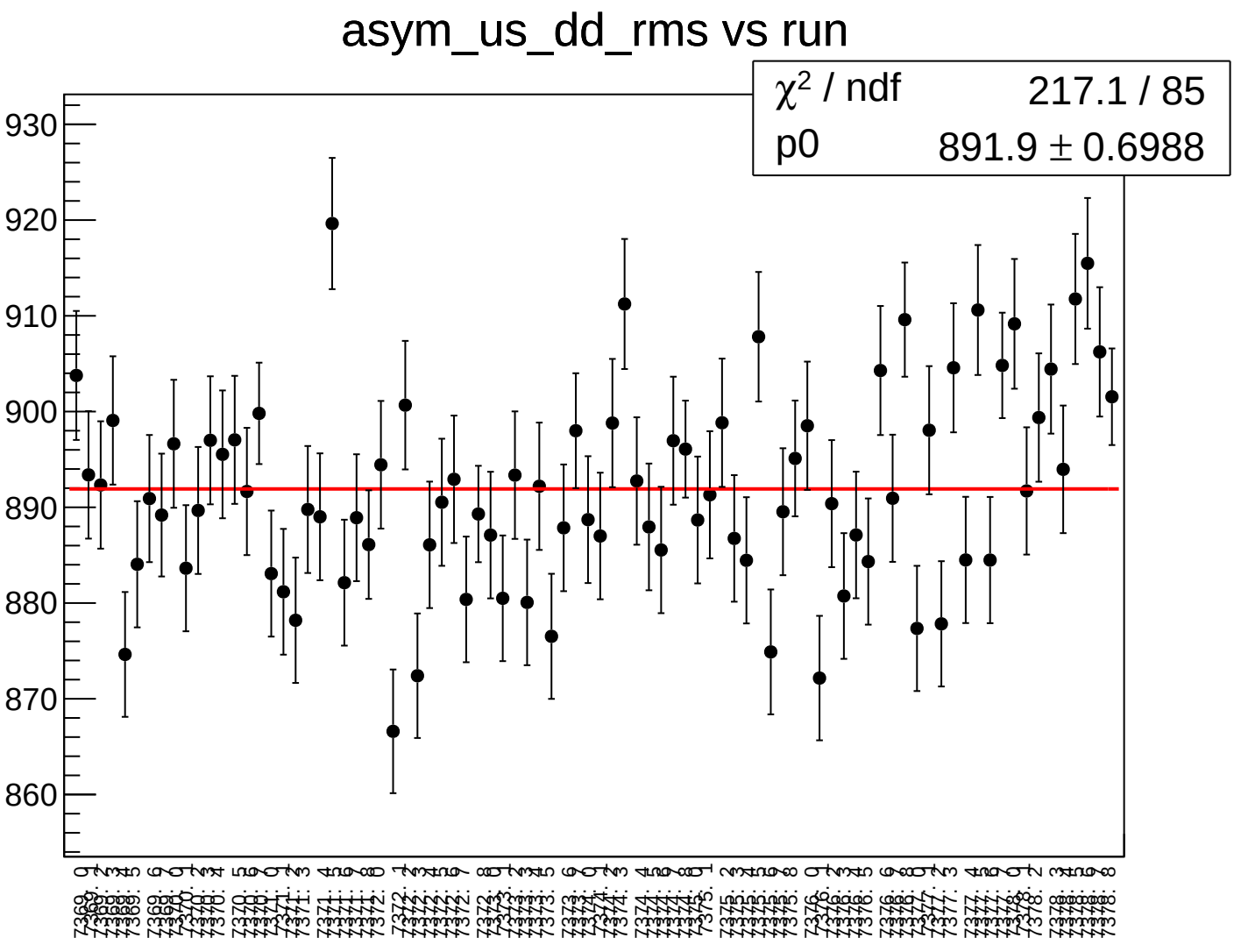

asym_us_dd_correction_mean vs run
χ² / ndf 121.3 / 85
p0 −4879 ± 1995
pull
Entries 86
Mean 11.99
Std Dev 135.6

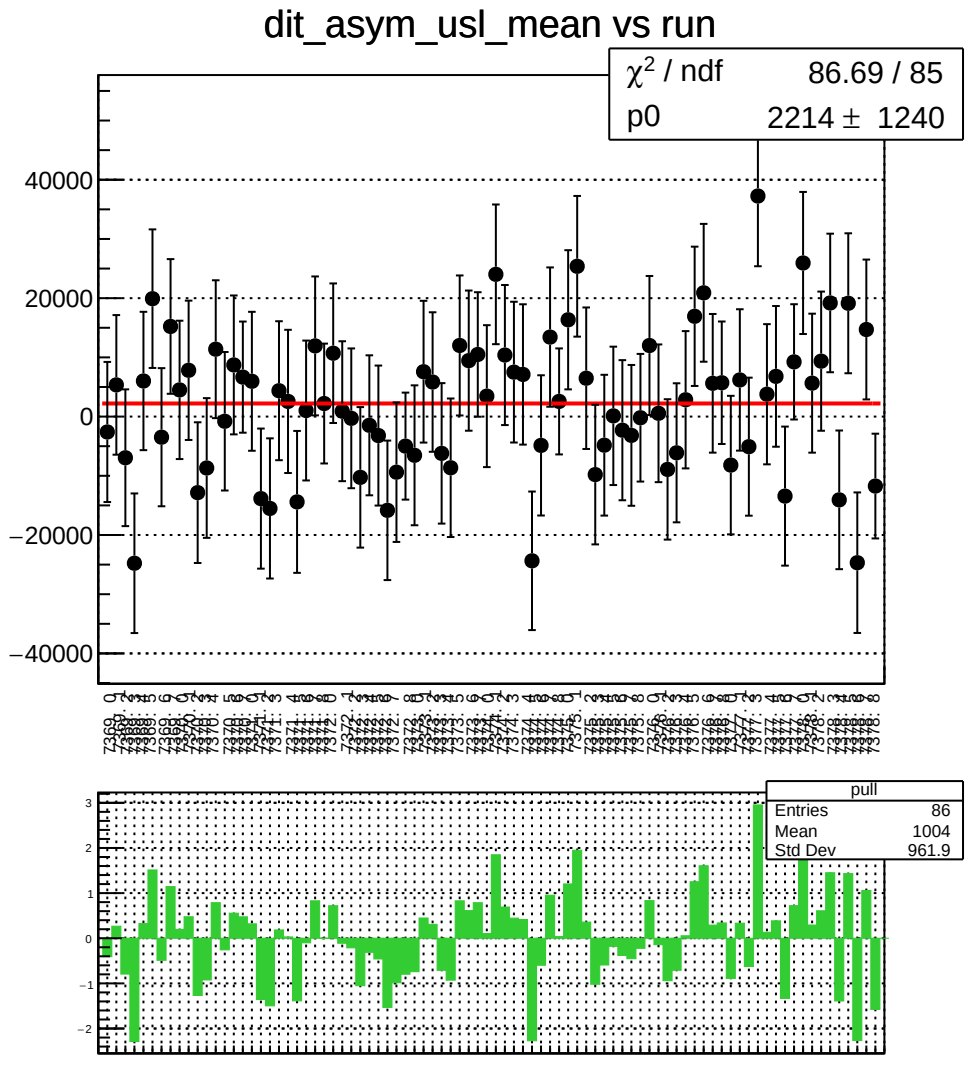

pull1D
Entries 86
Mean 0.004285
Std Dev 1.188

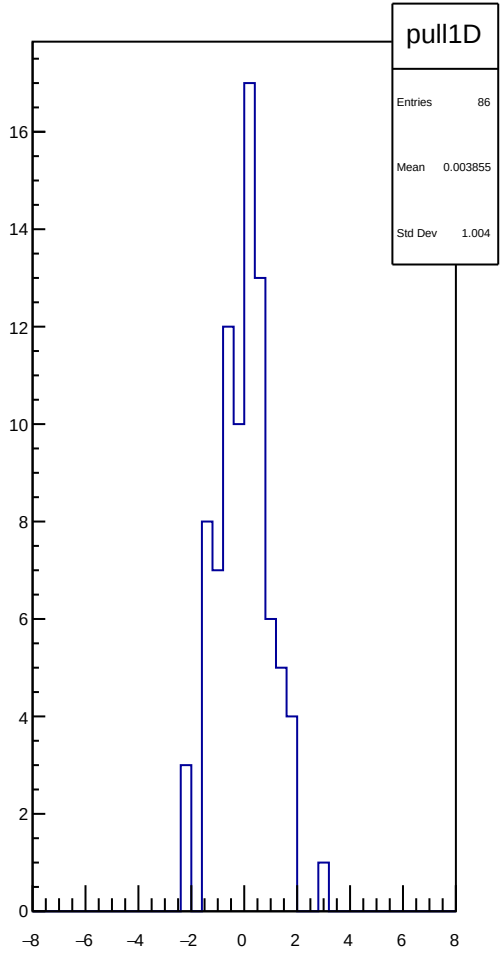

asym_us_dd_correction_rms vs run
χ² / ndf 1.179e+04 / 85
p0 1795 ± 1.411
2100
2000
1900
1800
1700
1600

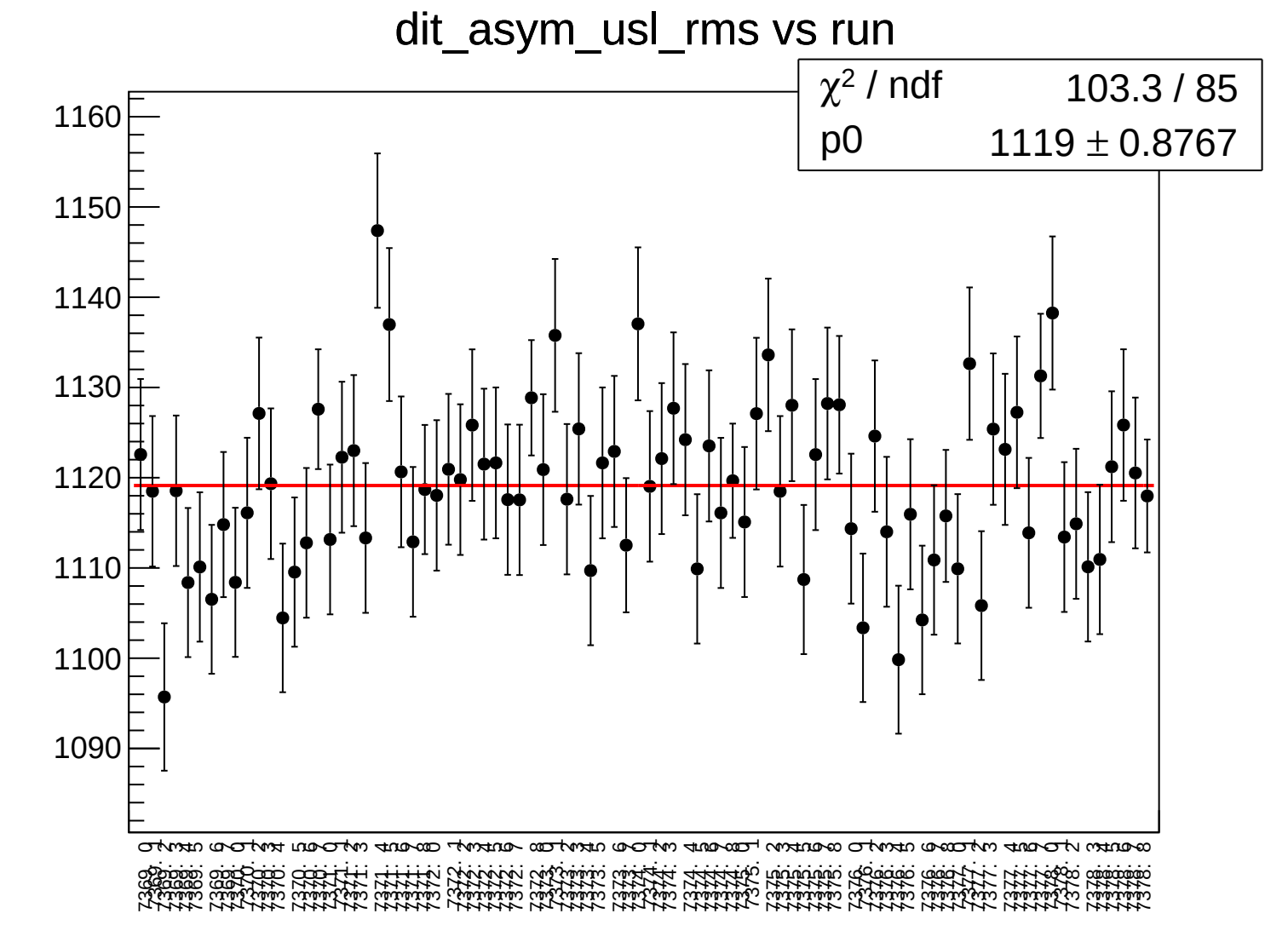

asym_us_dd_mean vs run
χ² / ndf 102.1 / 85
p0 −797.4 ± 988.2
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 463
Std Dev 421.1
3
2
1
0
−1
−2

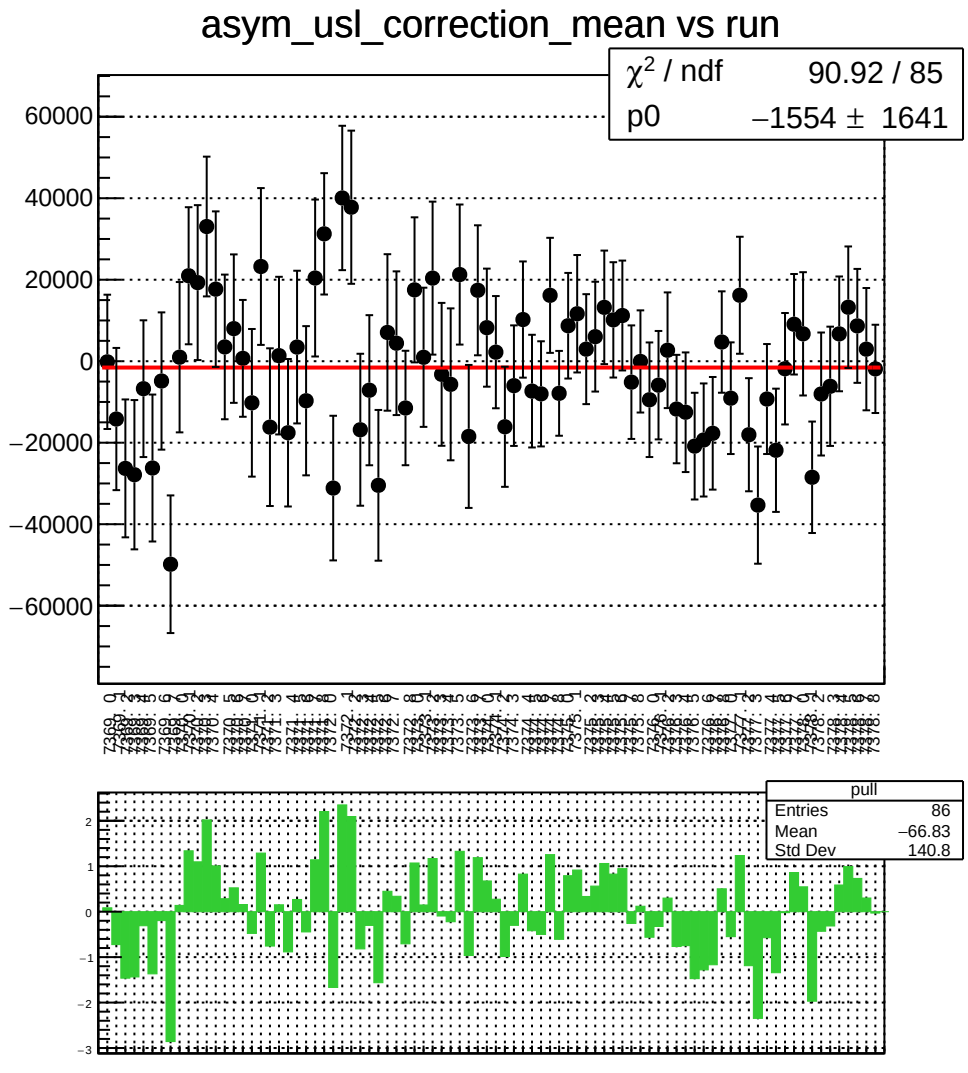

pull1D
Entries 86
Mean 0.008154
Std Dev 1.089
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

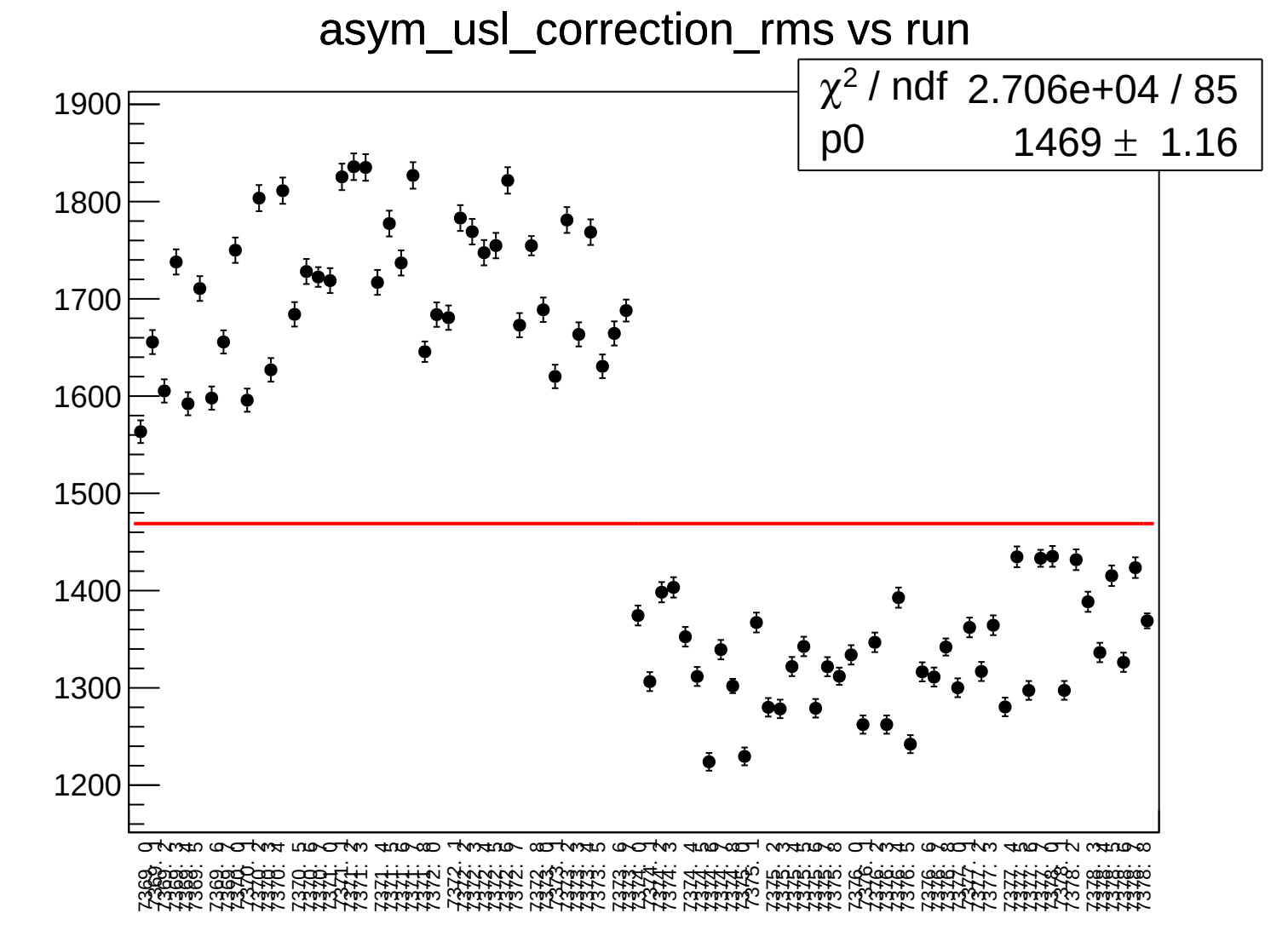

asym_us_dd_rms vs run
χ² / ndf 217.1 / 85
p0 891.9 ± 0.6988
930
920
910
900
890
880
870
860

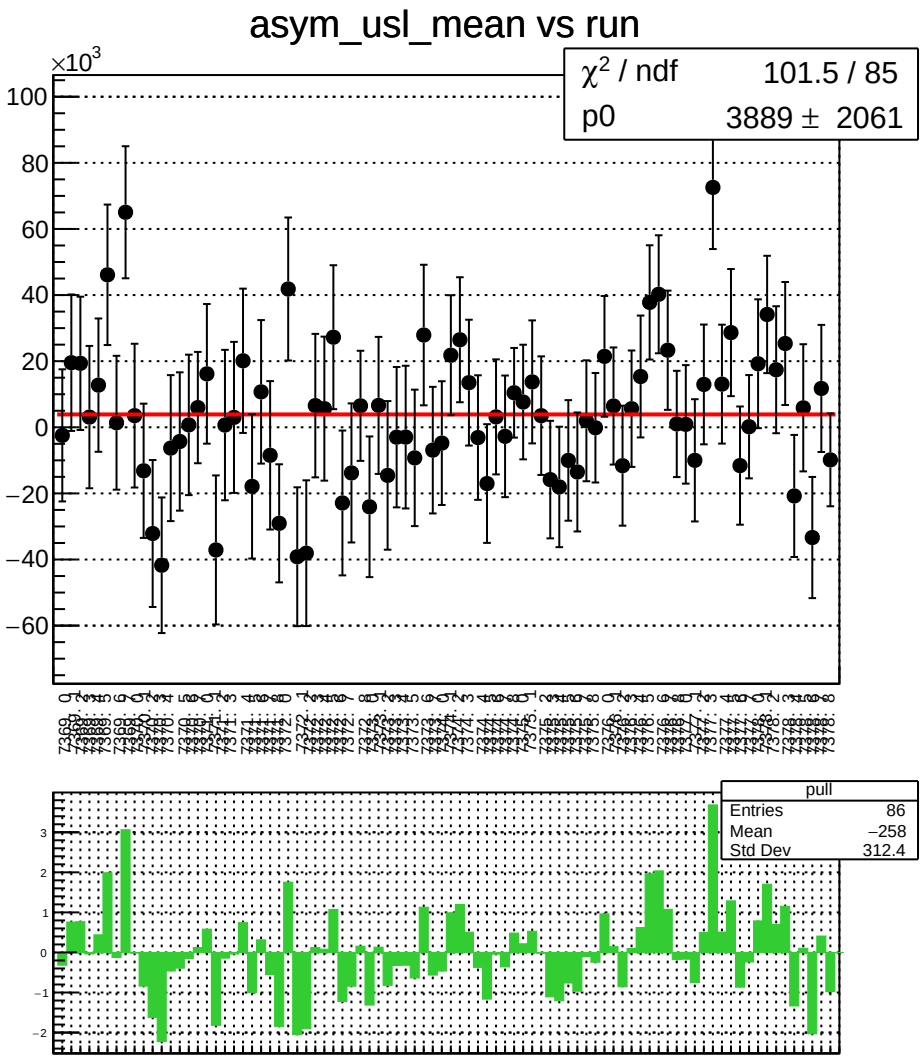

dit_asym_usl_mean vs run
χ² / ndf 86.69 / 85
p0 2214 ± 1240
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 1004
Std Dev 961.9
3
2
1
0
−1
−2

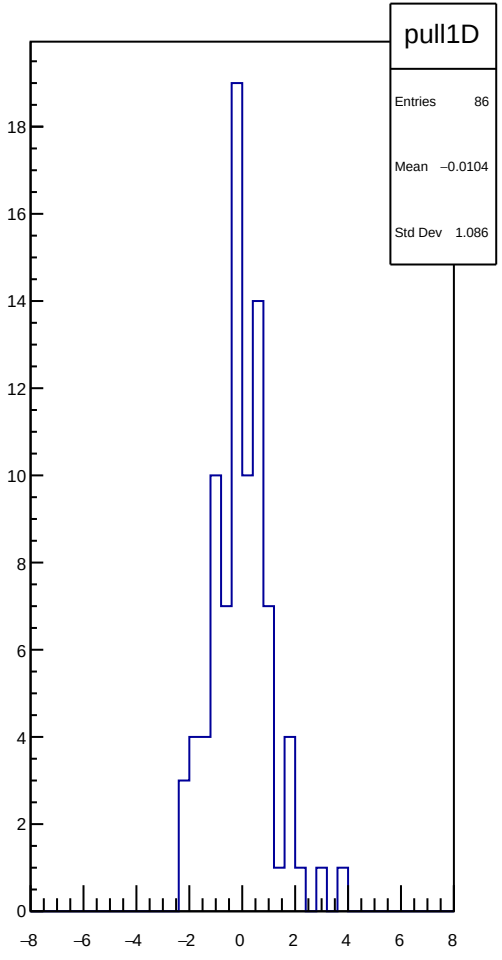

pull1D
Entries 86
Mean 0.003855
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

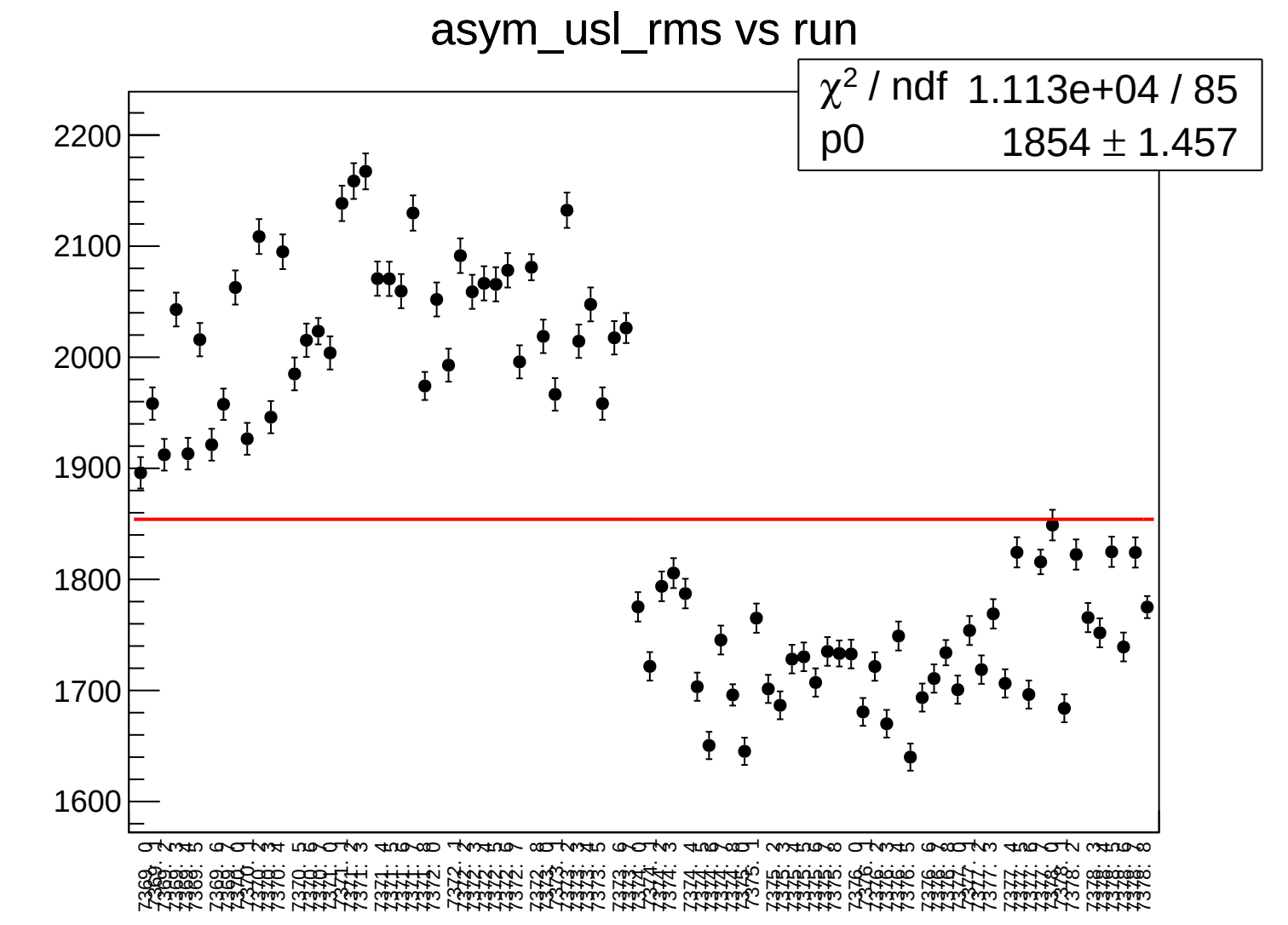

dit_asym_usl_rms vs run
χ² / ndf 103.3 / 85
p0 1119 ± 0.8767
1160
1150
1140
1130
1120
1110
1100
1090

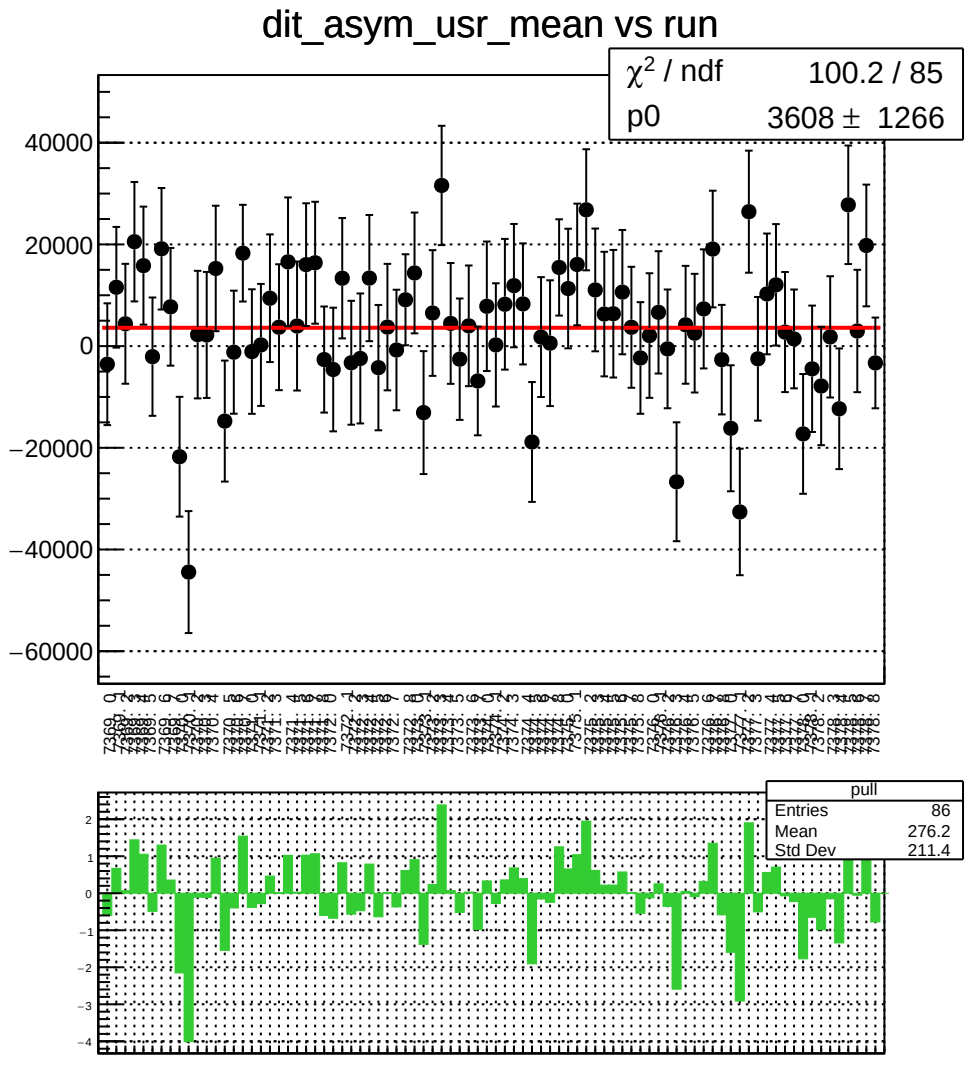

asym_usl_correction_mean vs run
χ² / ndf 90.92 / 85
p0 −1554 ± 1641
pull
Entries 86
Mean −66.83
Std Dev 140.8
pull1D
Entries 86
Mean 0.01249
Std Dev 1.028

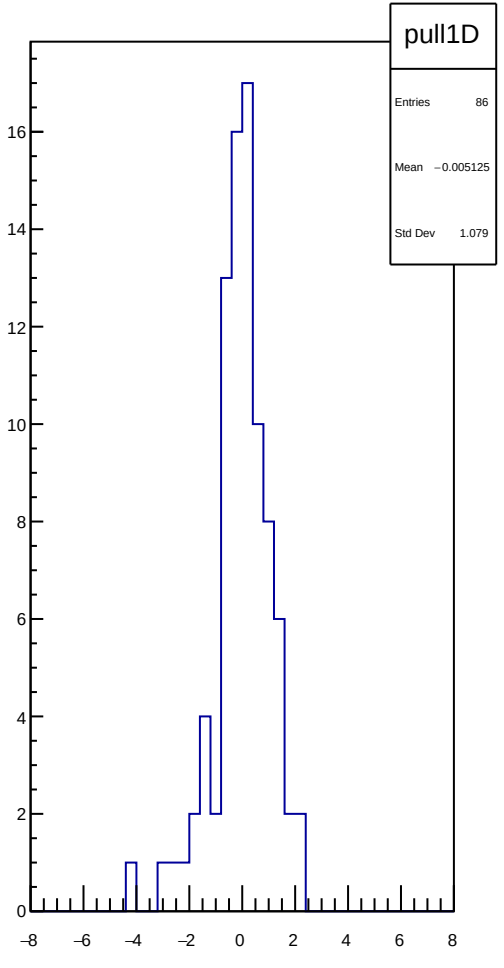

asym_usl_correction_rms vs run
χ² / ndf 2.706e+04 / 85
p0 1469 ± 1.16
1900
1800
1700
1600
1500
1400
1300
1200

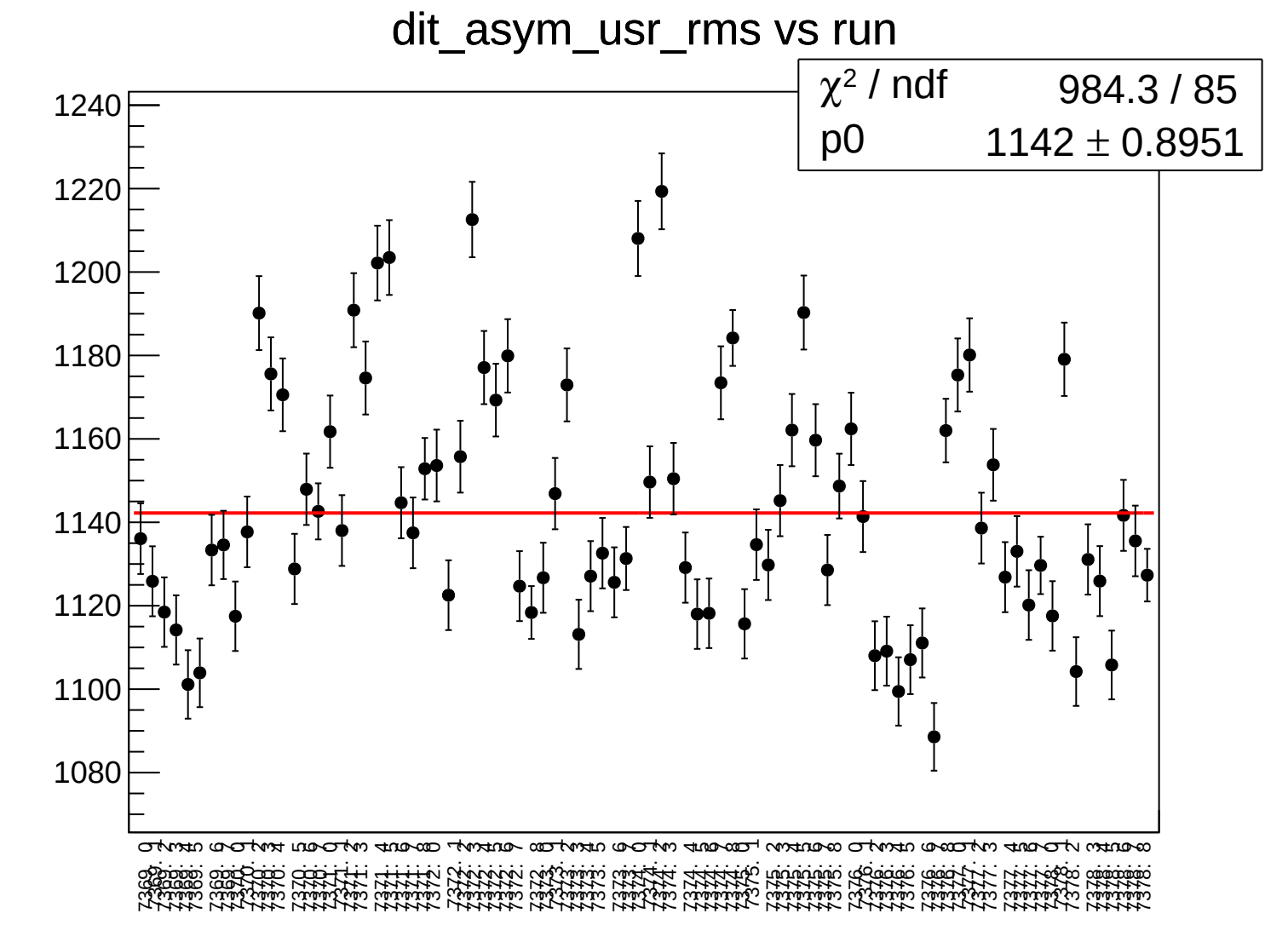

asym_usl_mean vs run
×10^3
χ² / ndf 101.5 / 85
p0 3889 ± 2061
pull
Entries 86
Mean −258
Std Dev 312.4

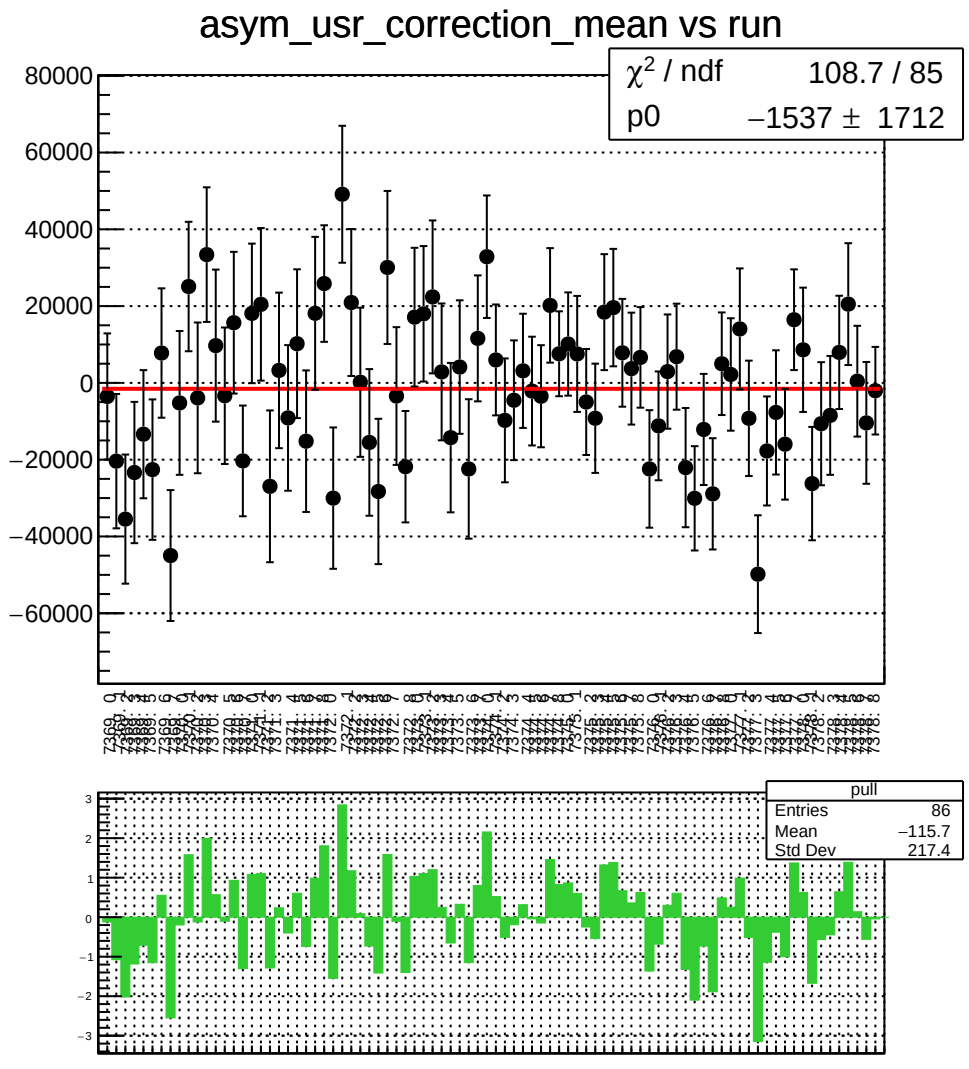

pull1D
Entries 86
Mean −0.0104
Std Dev 1.086

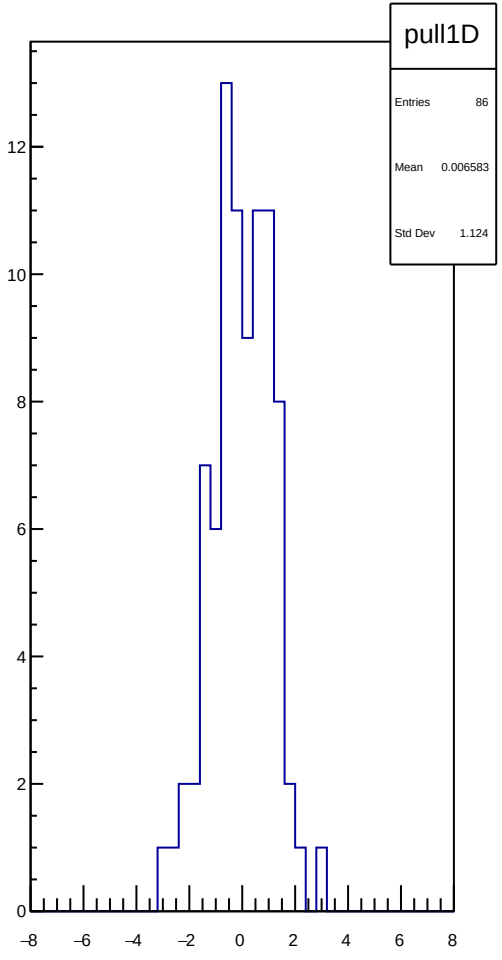

asym_usl_rms vs run
χ² / ndf 1.113e+04 / 85
p0 1854 ± 1.457
2200
2100
2000
1900
1800
1700
1600

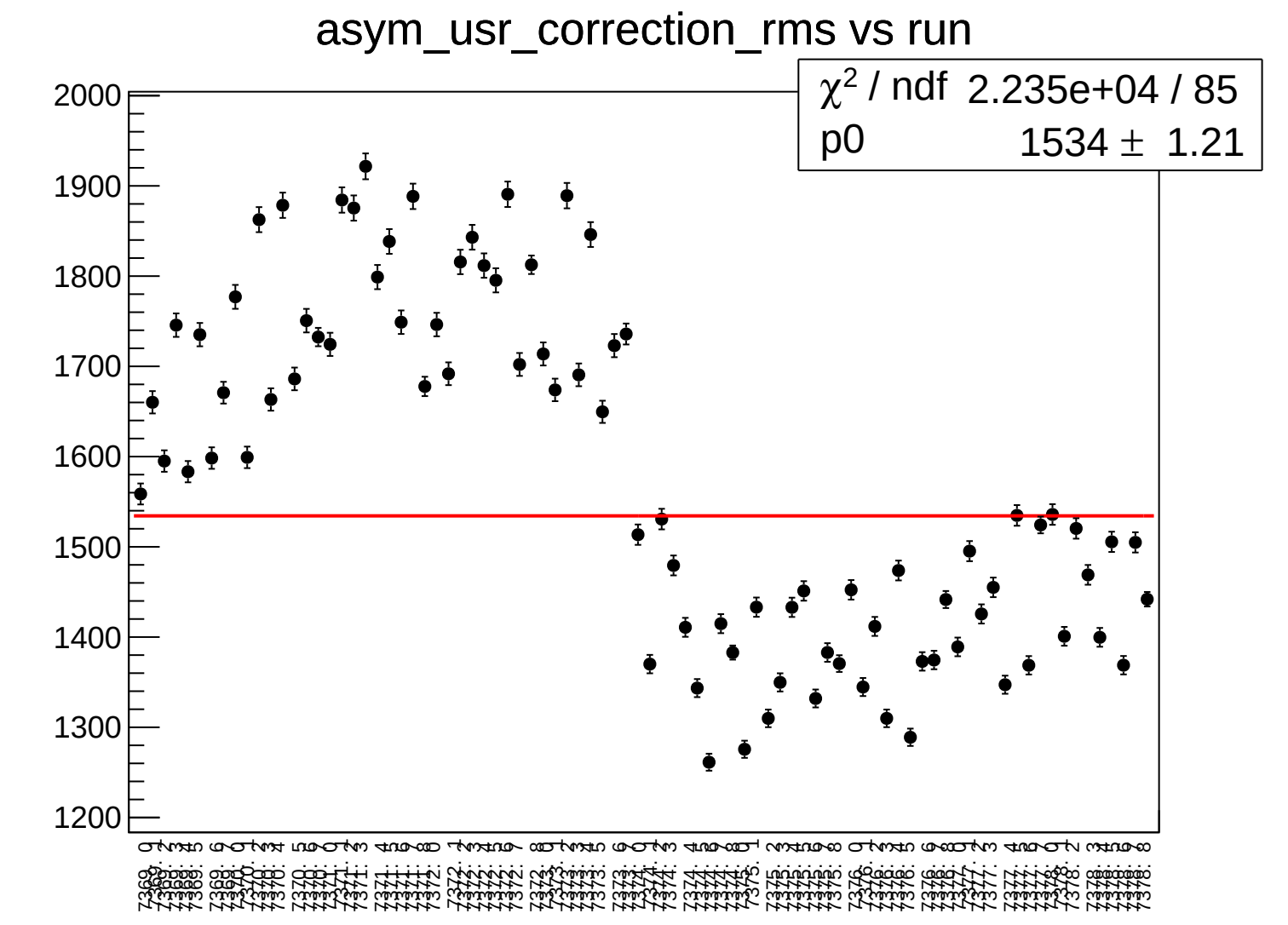

dit_asym_usr_mean vs run
$\chi^2$ / ndf 100.2 / 85
p0 3608 ± 1266
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 276.2
Std Dev 211.4
2
1
0
−1
−2
−3
−4

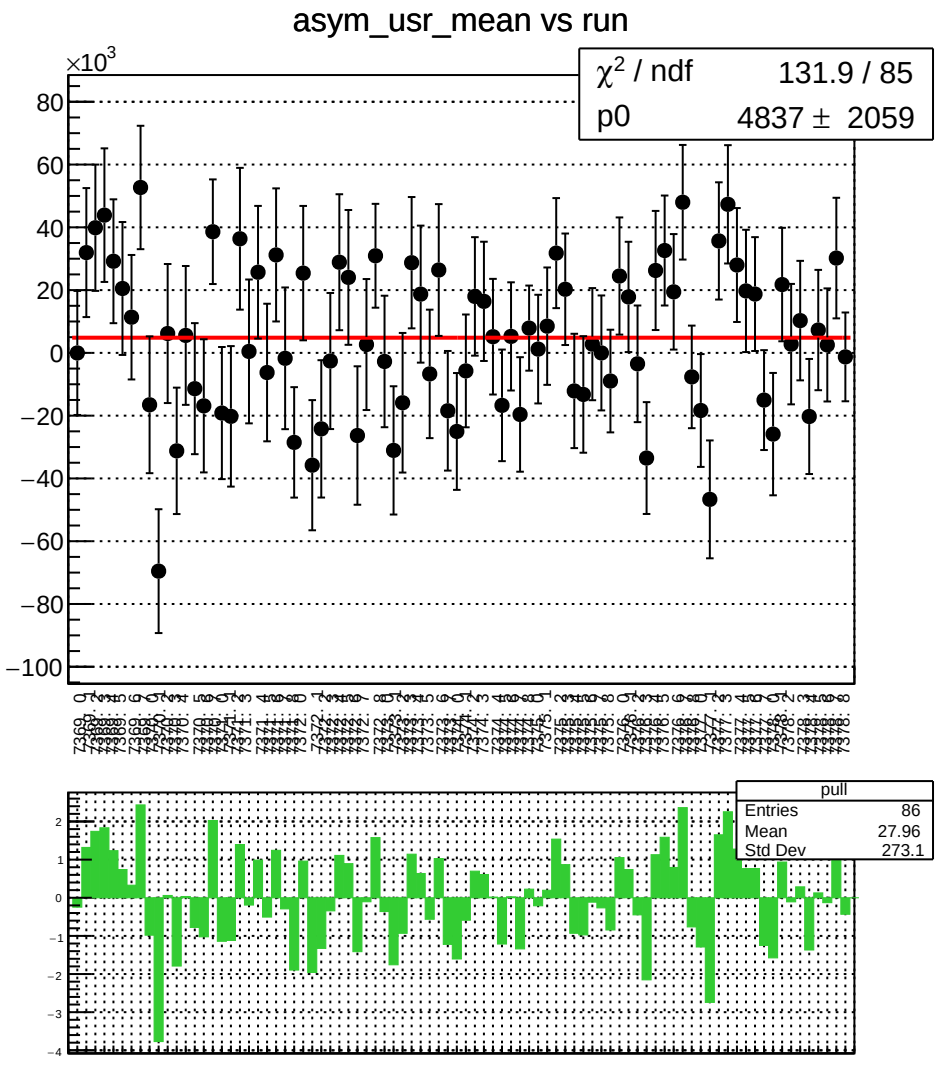

pull1D
Entries 86
Mean −0.005125
Std Dev 1.079
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

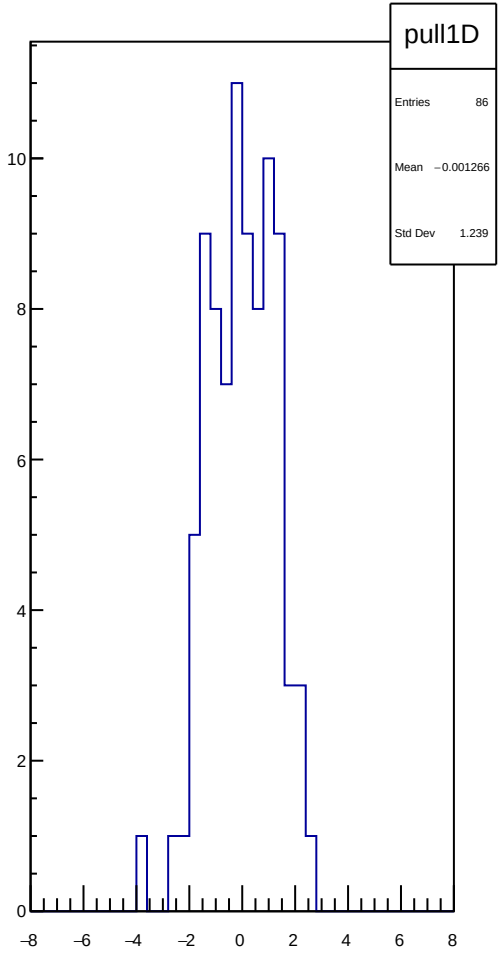

dit_asym_usr_rms vs run
χ² / ndf 984.3 / 85
p0 1142 ± 0.8951
1240
1220
1200
1180
1160
1140
1120
1100
1080

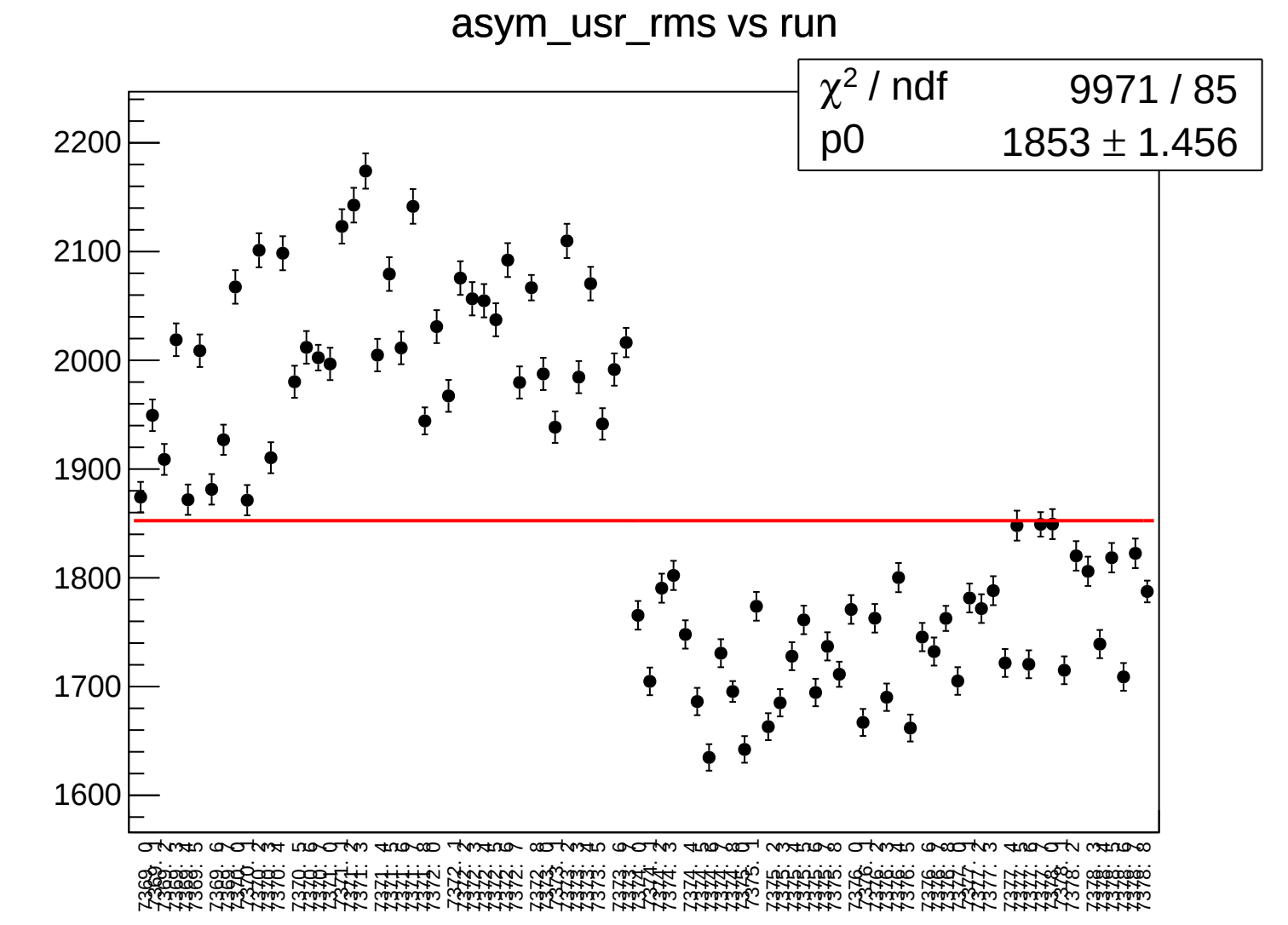

asym_usr_correction_mean vs run
χ² / ndf 108.7 / 85
p0 −1537 ± 1712
pull
Entries 86
Mean −115.7
Std Dev 217.4

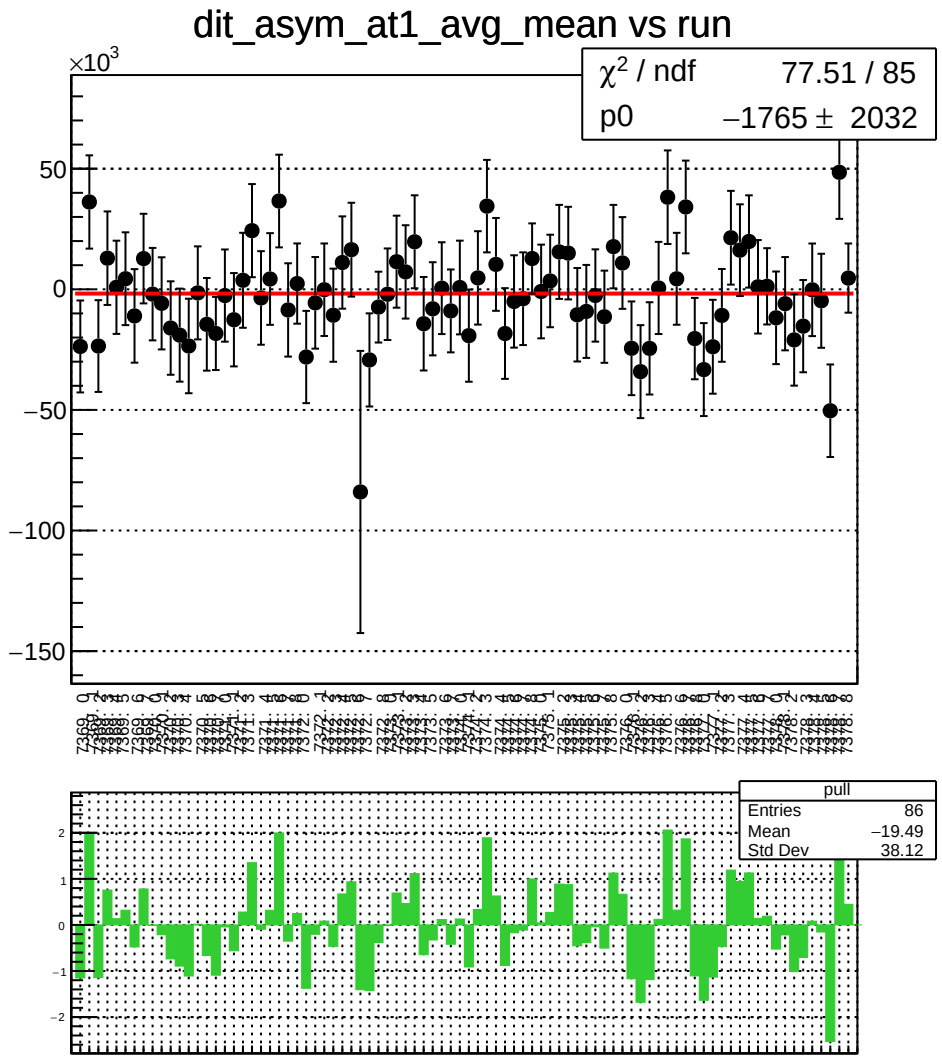

pull1D
Entries 86
Mean 0.006583
Std Dev 1.124

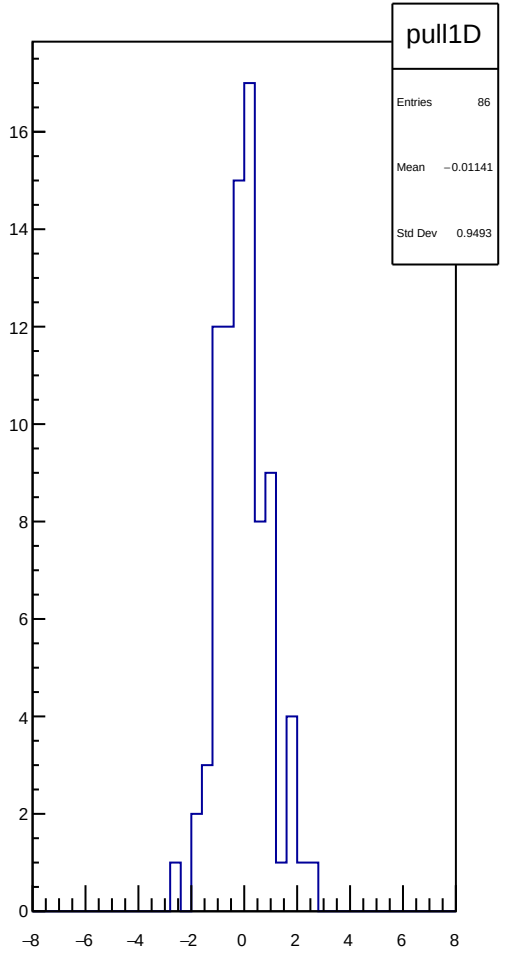

asym_usr_correction_rms vs run
χ² / ndf 2.235e+04 / 85
p0 1534 ± 1.21
2000
1900
1800
1700
1600
1500
1400
1300
1200

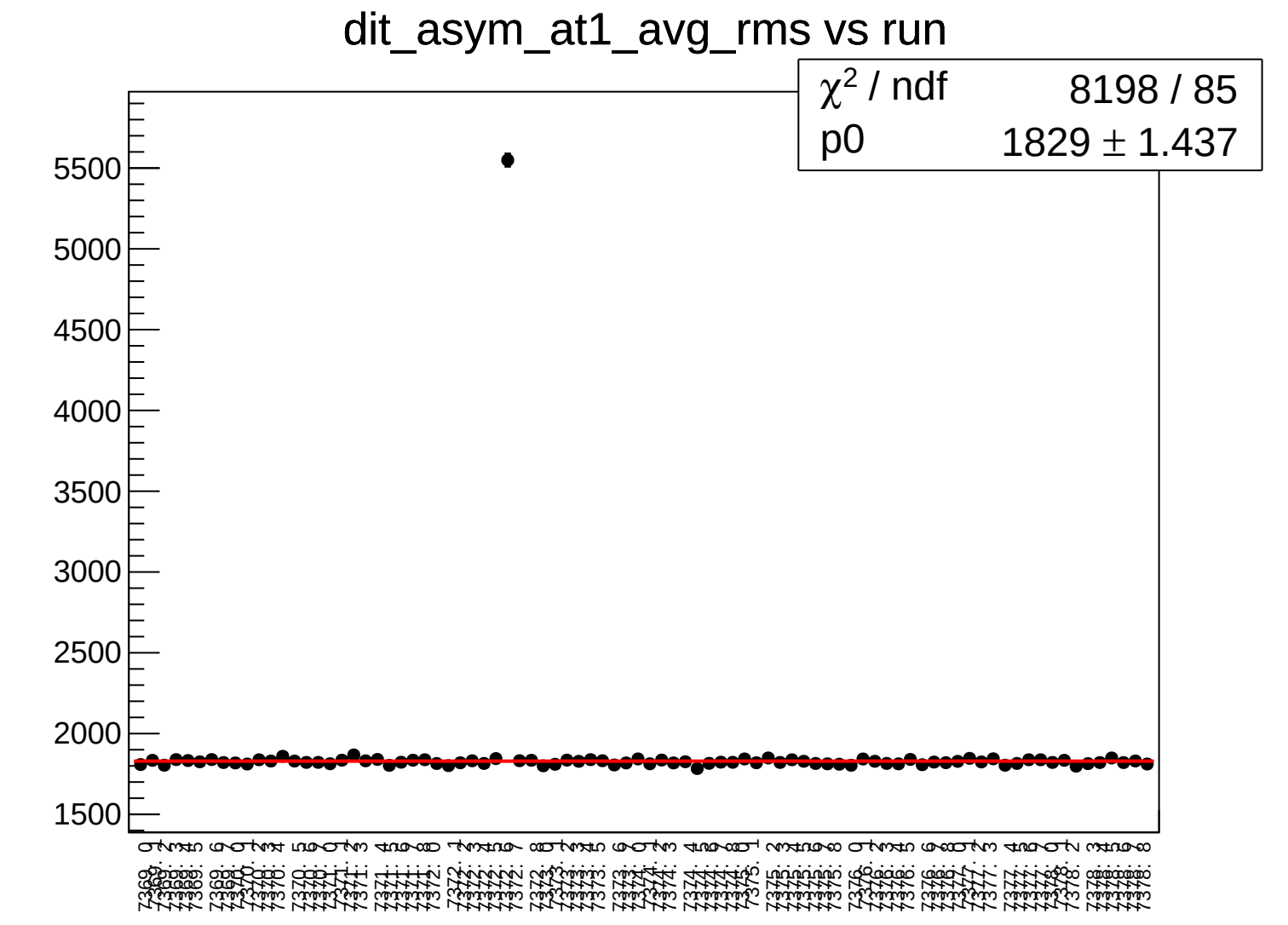

asym_usr_mean vs run
$\chi^2$ / ndf 131.9 / 85
p0 4837 ± 2059
×10^3
pull
Entries 86
Mean 27.96
Std Dev 273.1

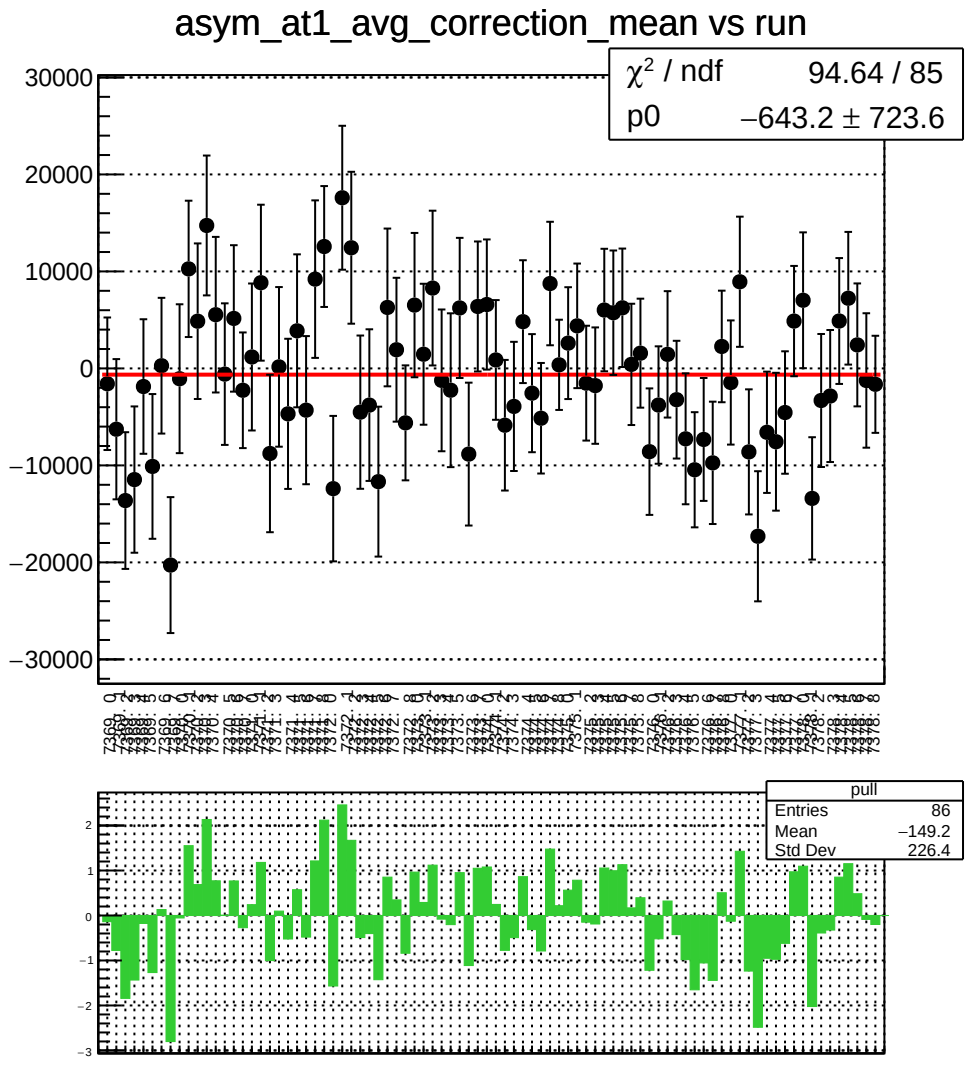

pull1D
Entries 86
Mean −0.001266
Std Dev 1.239

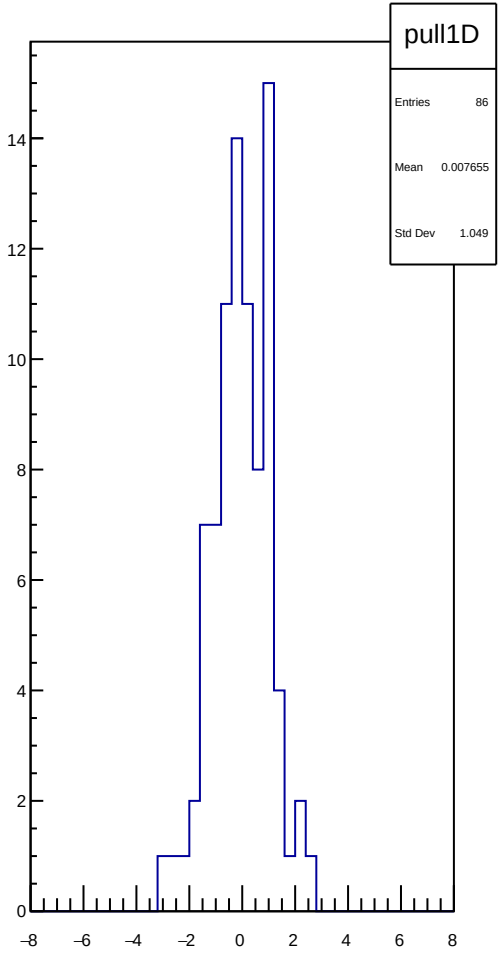

asym_usr_rms vs run
χ² / ndf 9971 / 85
p0 1853 ± 1.456
2200
2100
2000
1900
1800
1700
1600

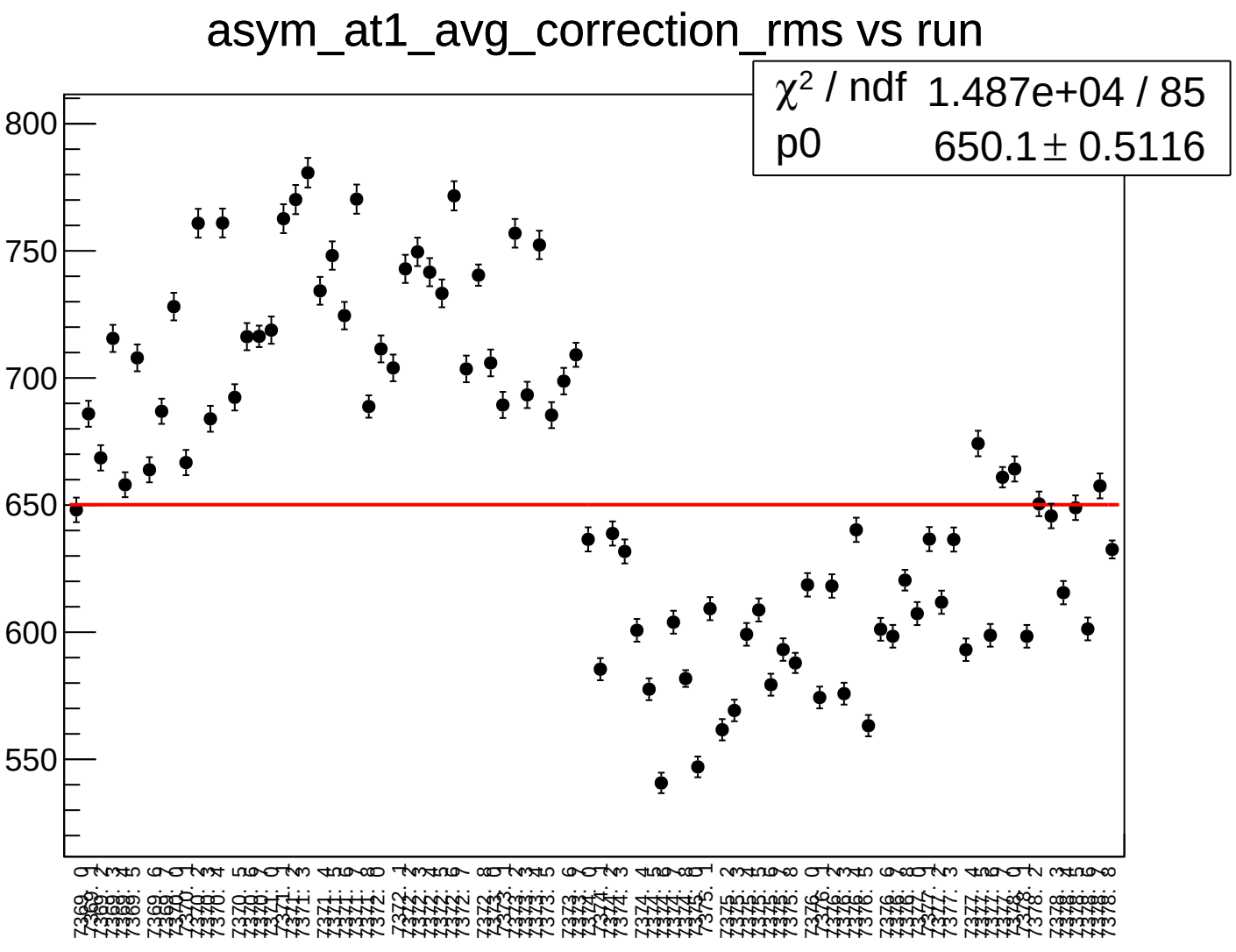

dit_asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 77.51 / 85
p0 −1765 ± 2032
50
0
−50
−100
−150
pull
Entries 86
Mean −19.49
Std Dev 38.12
2
1
0
−1
−2

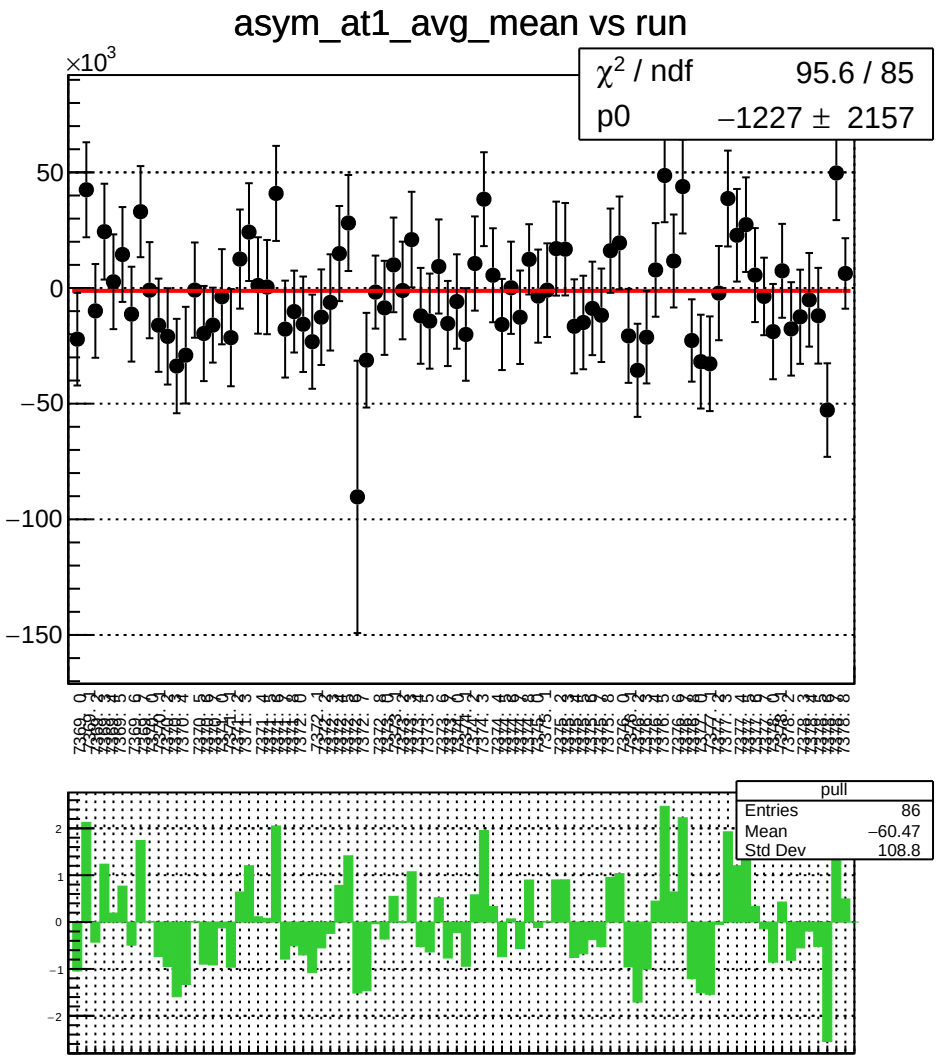

pull1D
Entries 86
Mean −0.01141
Std Dev 0.9493
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

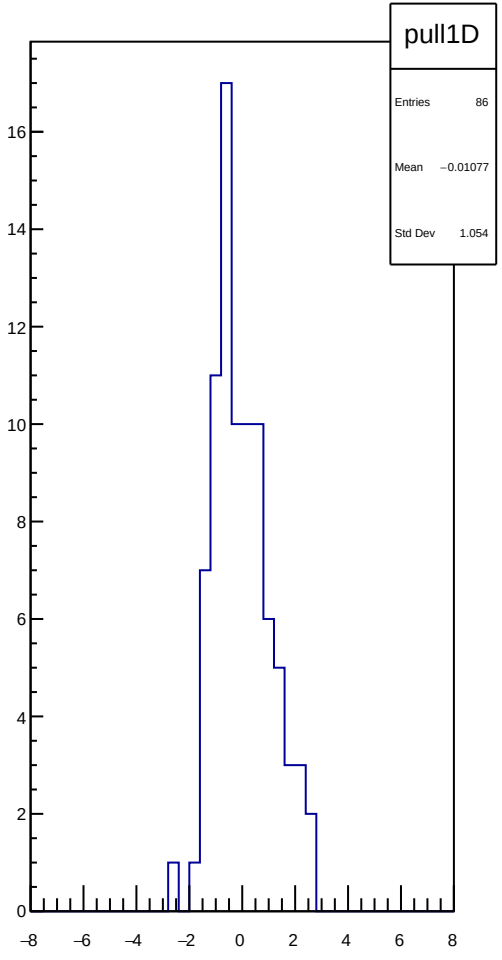

dit_asym_at1_avg_rms vs run
χ² / ndf 8198 / 85
p0 1829 ± 1.437
5500
5000
4500
4000
3500
3000
2500
2000
1500

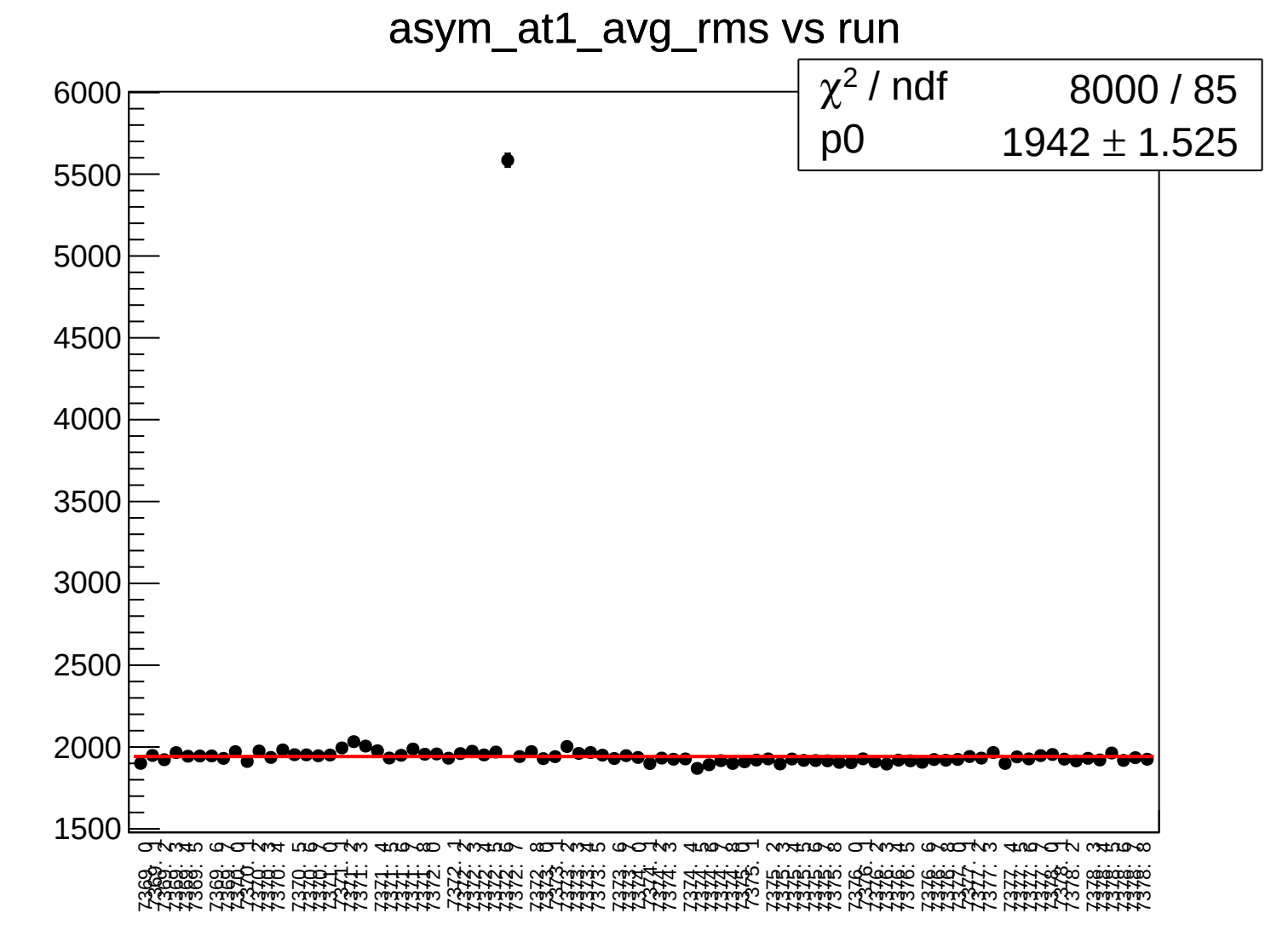

asym_at1_avg_correction_mean vs run
χ² / ndf 94.64 / 85
p0 −643.2 ± 723.6
pull
Entries 86
Mean −149.2
Std Dev 226.4

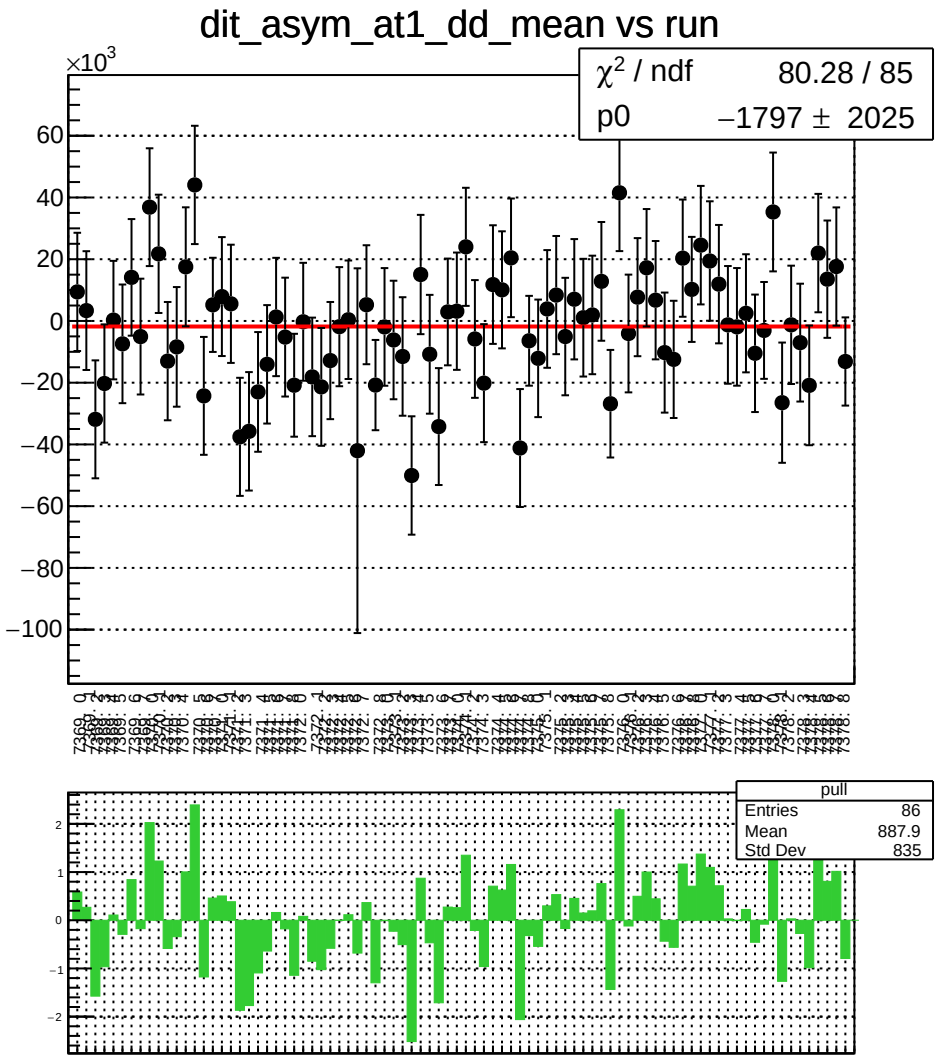

pull1D
Entries 86
Mean 0.007655
Std Dev 1.049

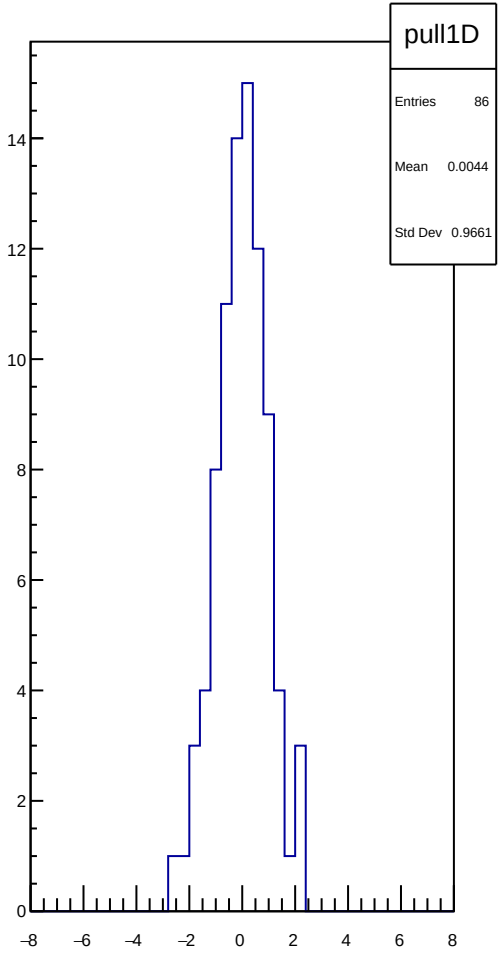

asym_at1_avg_correction_rms vs run
χ² / ndf 1.487e+04 / 85
p0 650.1 ± 0.5116
800
750
700
650
600
550

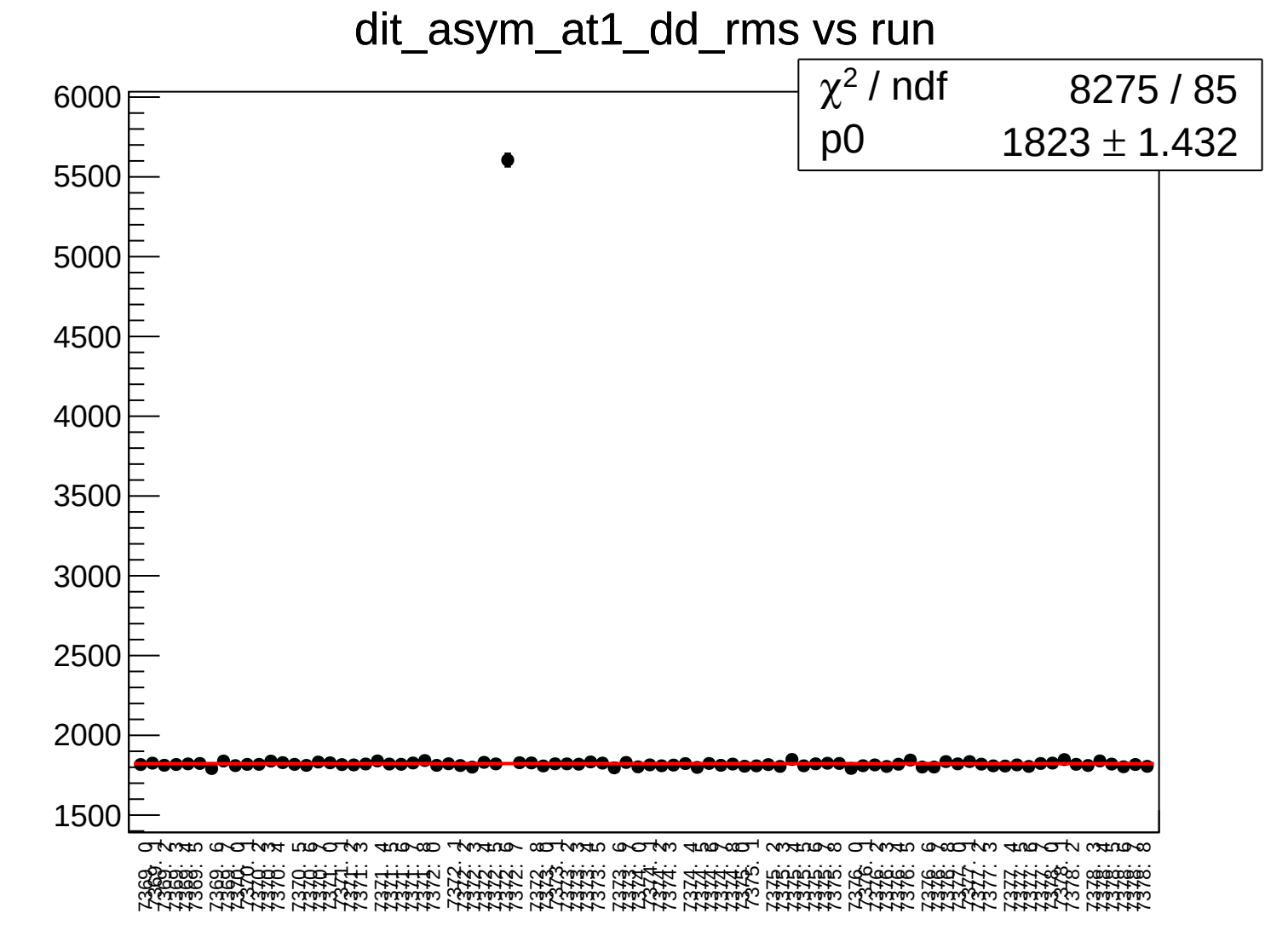

asym_at1_avg_mean vs run
×10^3
χ^2 / ndf 95.6 / 85
p0 −1227 ± 2157
50
0
−50
−100
−150
pull
Entries 86
Mean −60.47
Std Dev 108.8
2
1
0
−1
−2

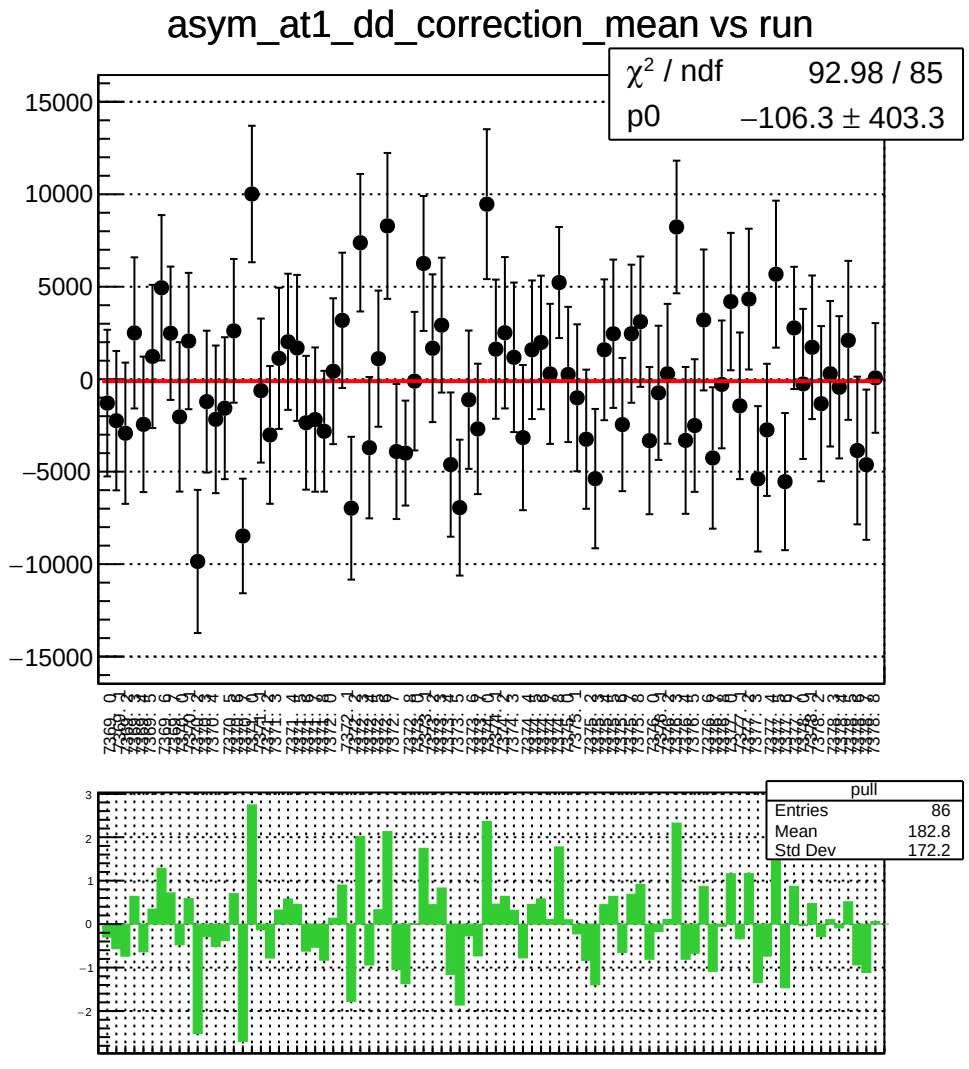

pull1D
Entries 86
Mean −0.01077
Std Dev 1.054
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

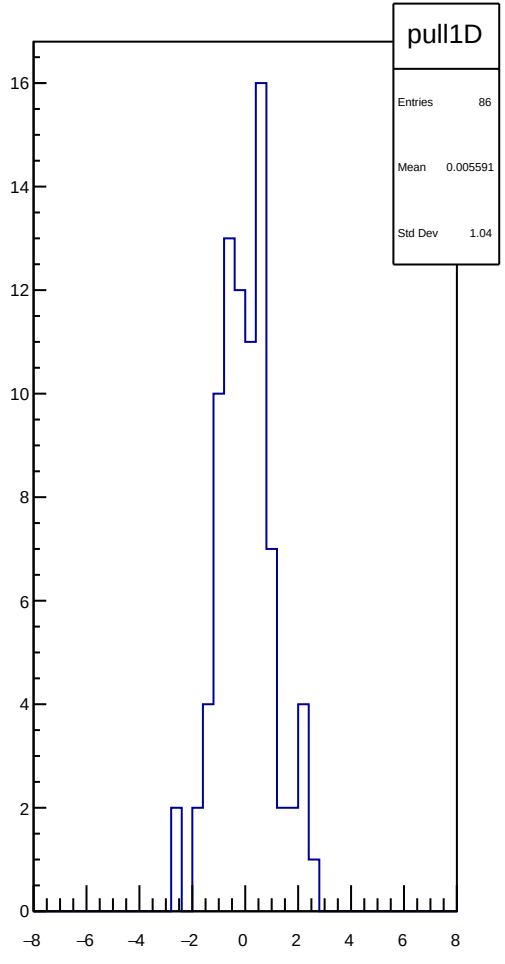

asym_at1_avg_rms vs run
χ² / ndf 8000 / 85
p0 1942 ± 1.525
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

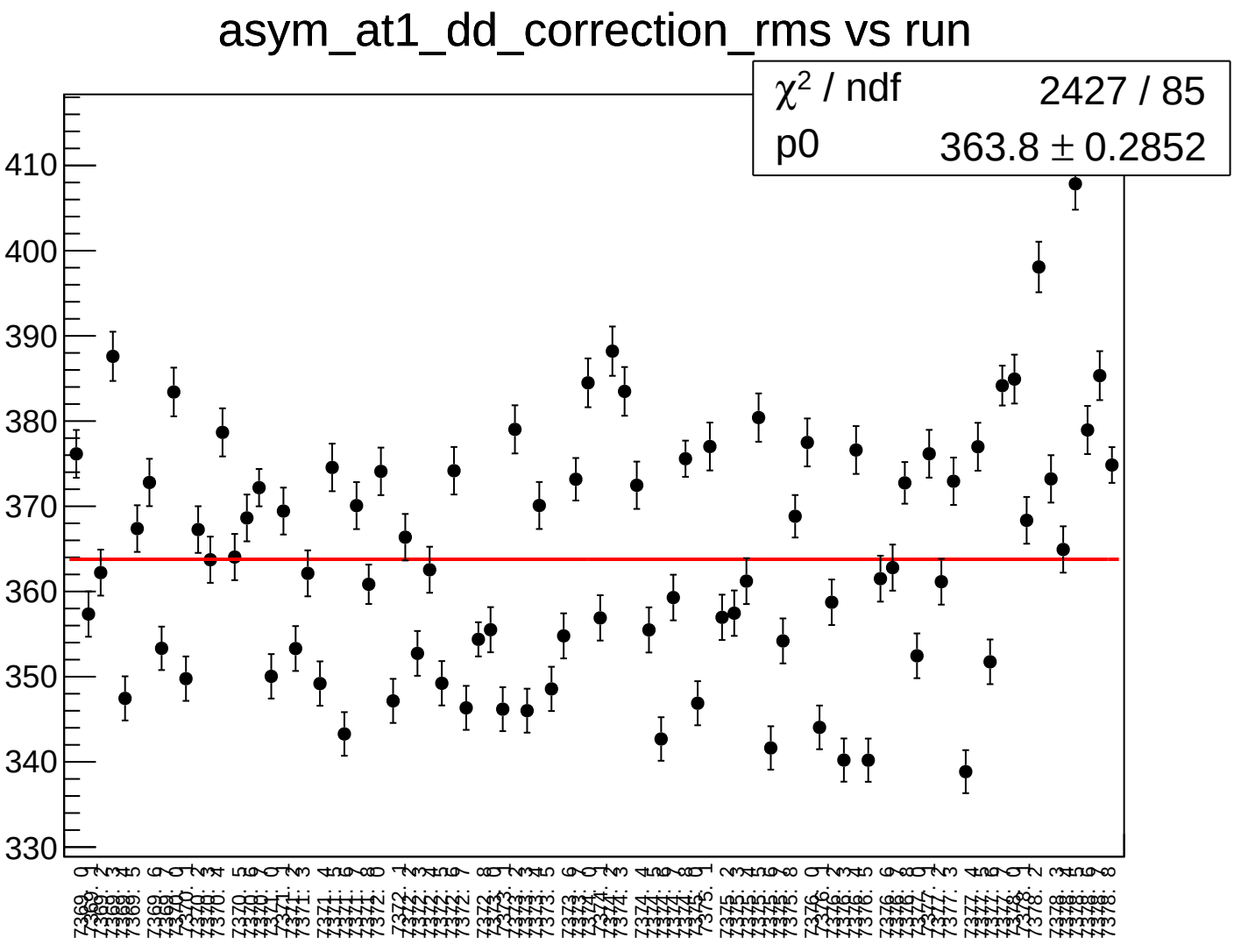

dit_asym_at1_dd_mean vs run
×10^3
χ^2 / ndf 80.28 / 85
p0 −1797 ± 2025
pull
Entries 86
Mean 887.9
Std Dev 835

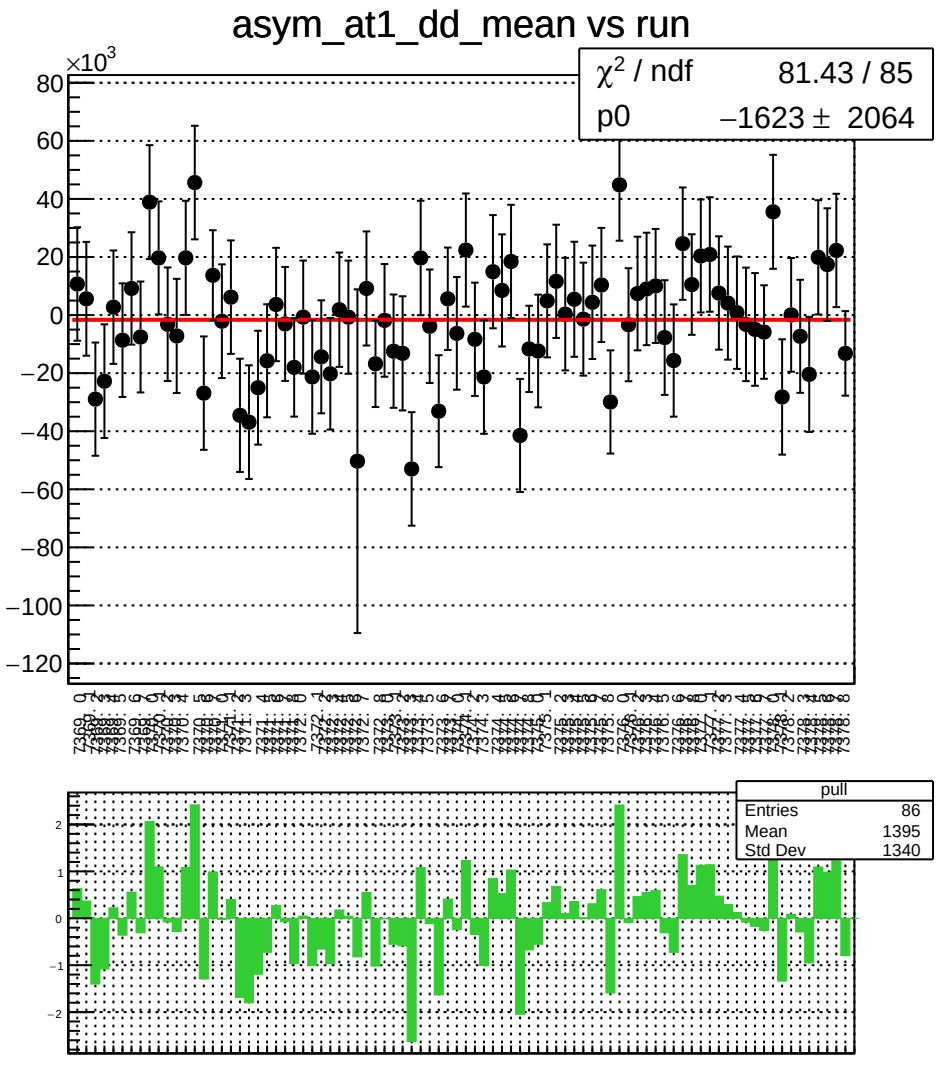

pull1D
Entries 86
Mean 0.0044
Std Dev 0.9661

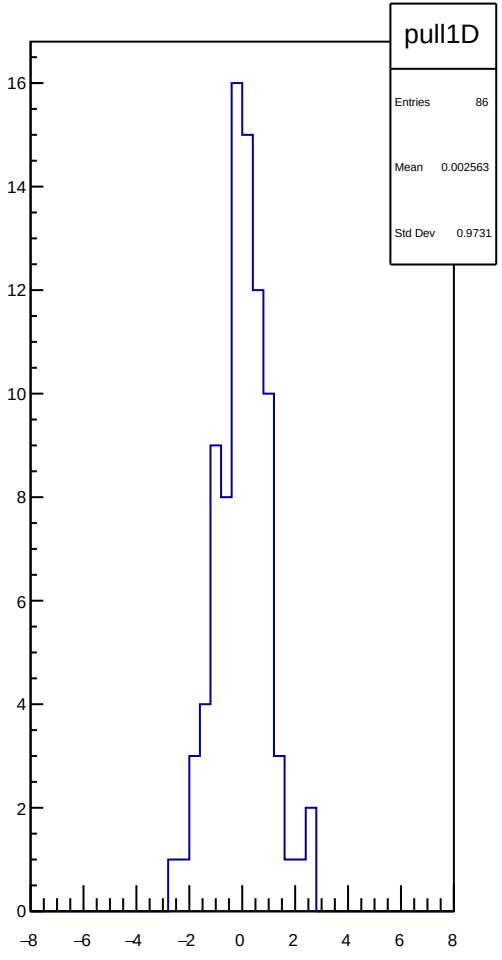

dit_asym_at1_dd_rms vs run
$\chi^2$ / ndf 8275 / 85
p0 1823 ± 1.432
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

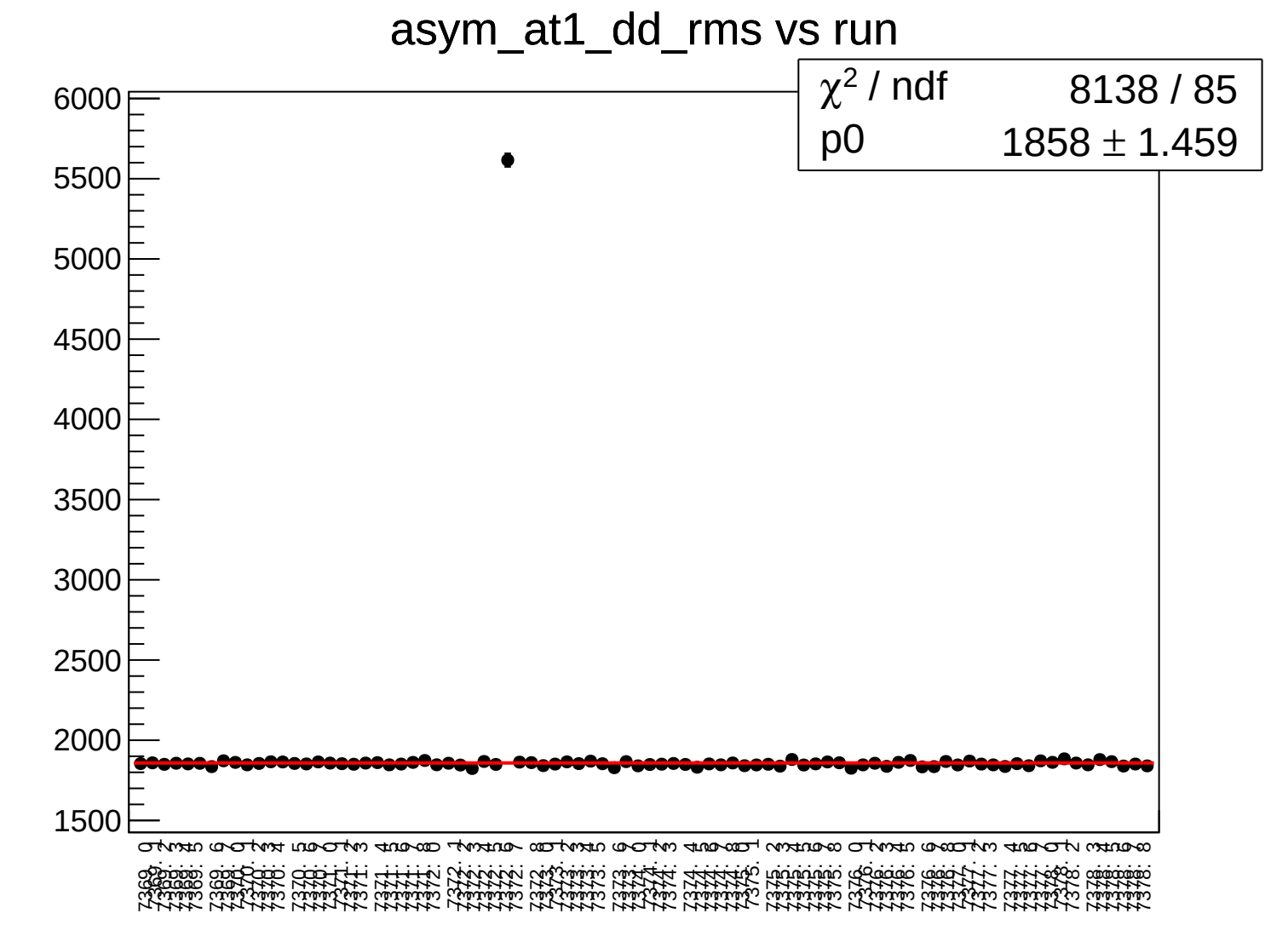

asym_at1_dd_correction_mean vs run
χ² / ndf 92.98 / 85
p0 −106.3 ± 403.3
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 182.8
Std Dev 172.2
3
2
1
0
−1
−2

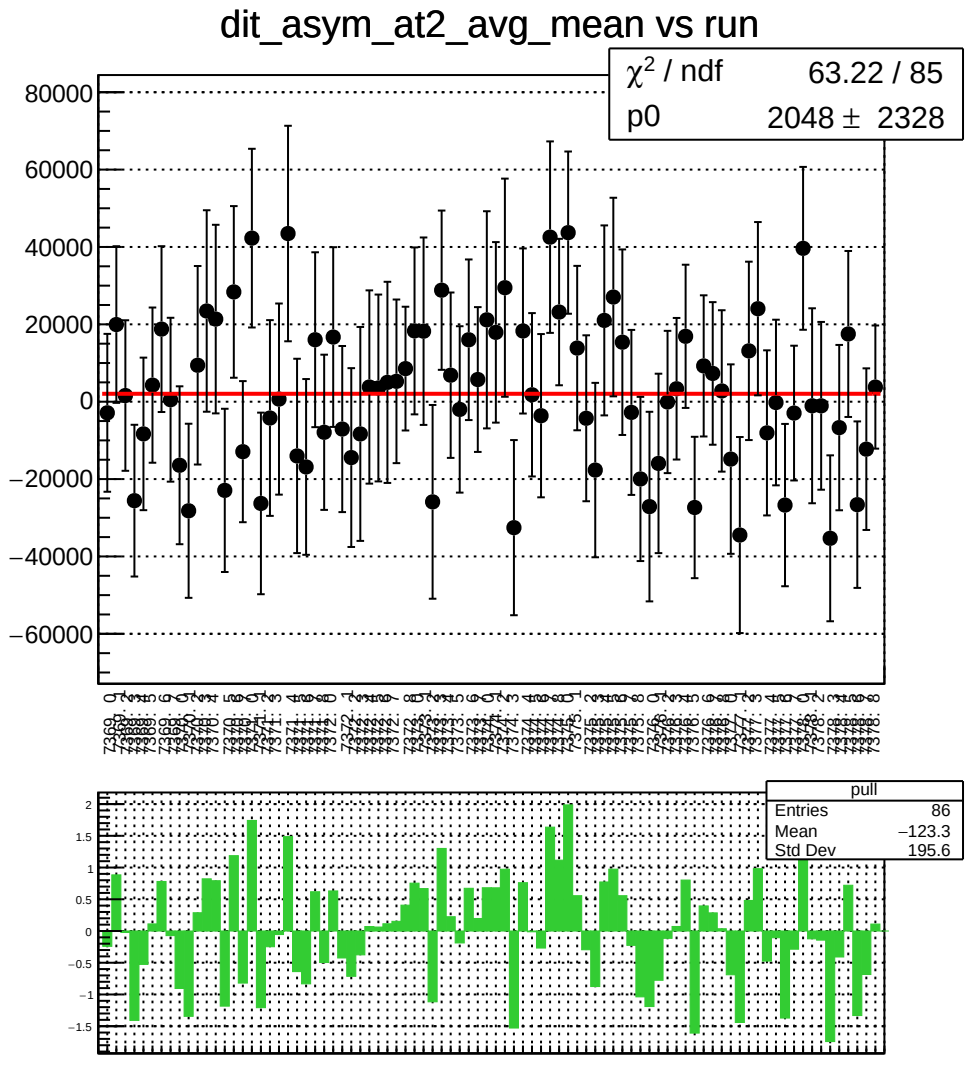

pull1D
Entries 86
Mean 0.005591
Std Dev 1.04
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

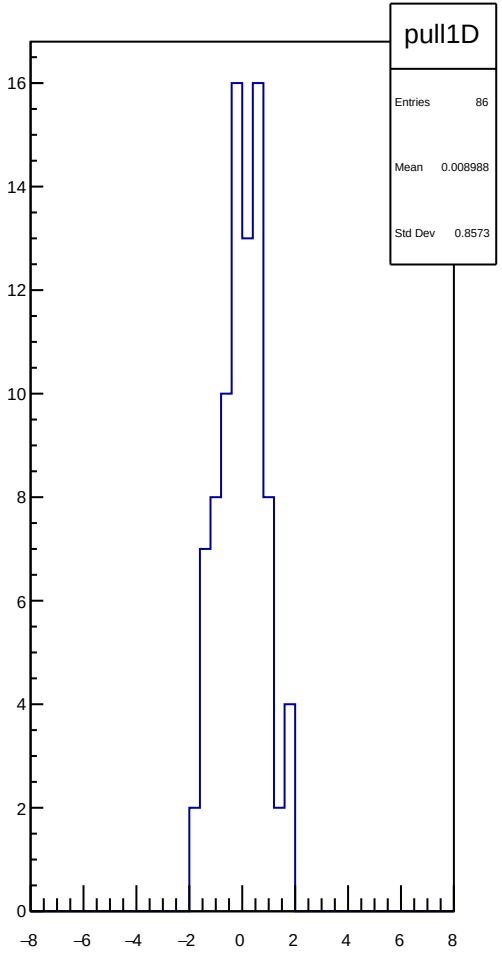

asym_at1_dd_correction_rms vs run
χ² / ndf 2427 / 85
p0 363.8 ± 0.2852
410
400
390
380
370
360
350
340
330

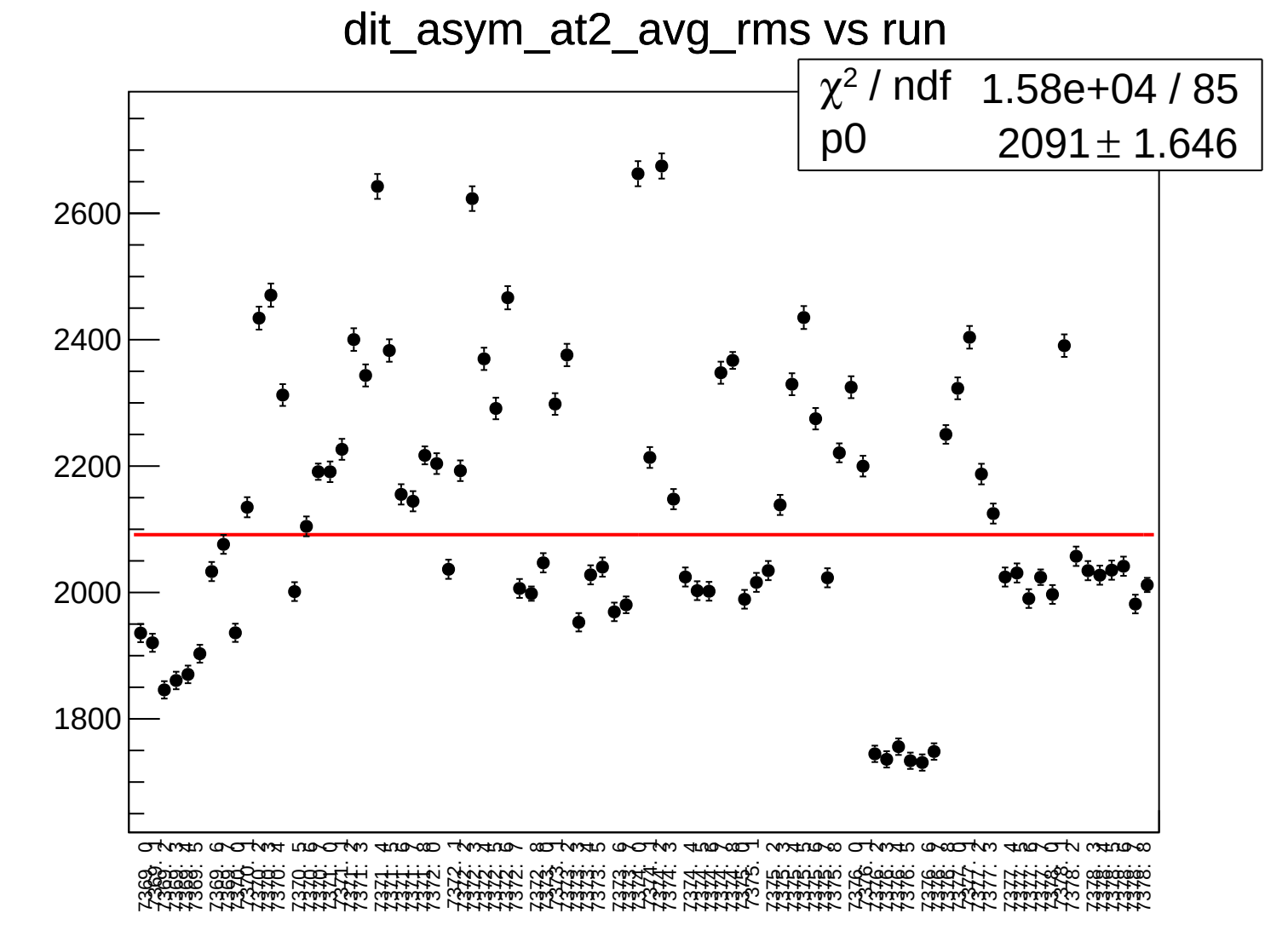

asym_at1_dd_mean vs run
χ² / ndf 81.43 / 85
p0 −1623 ± 2064
×10³
pull
Entries 86
Mean 1395
Std Dev 1340

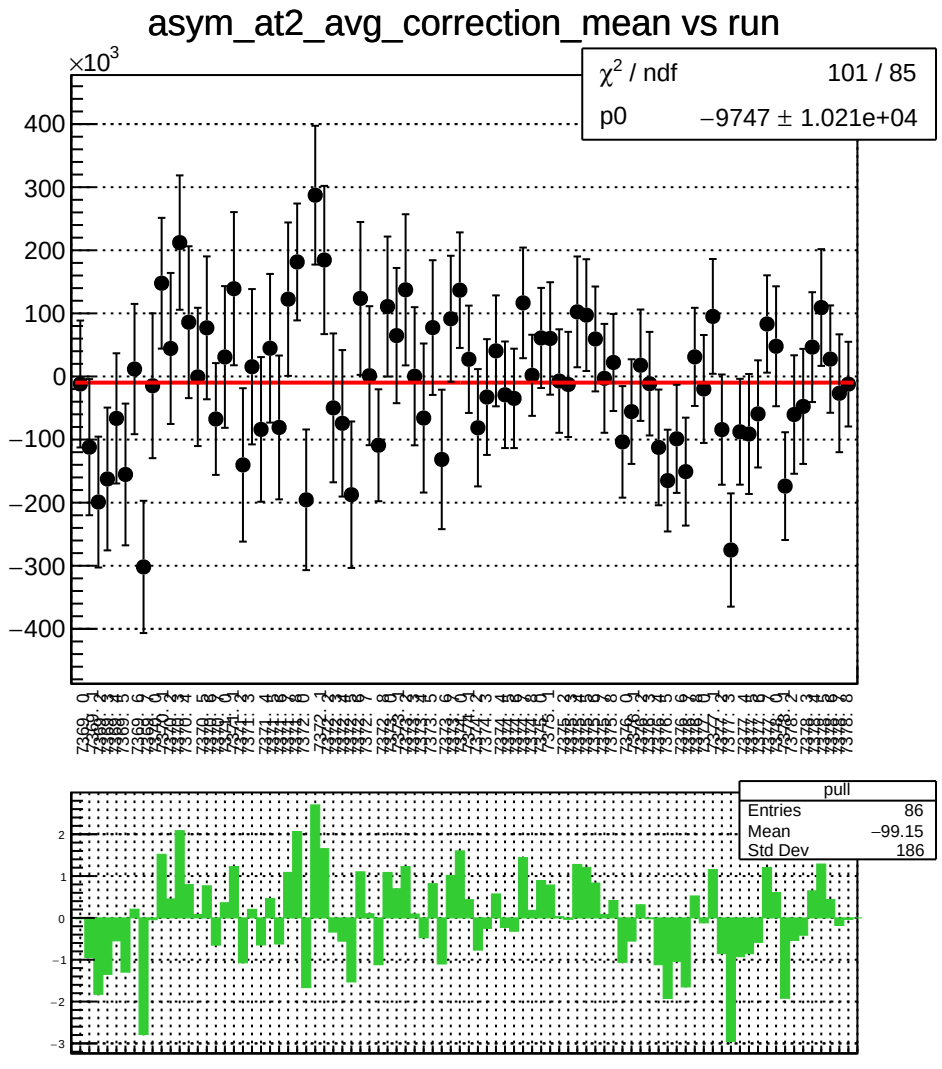

pull1D
Entries 86
Mean 0.002563
Std Dev 0.9731

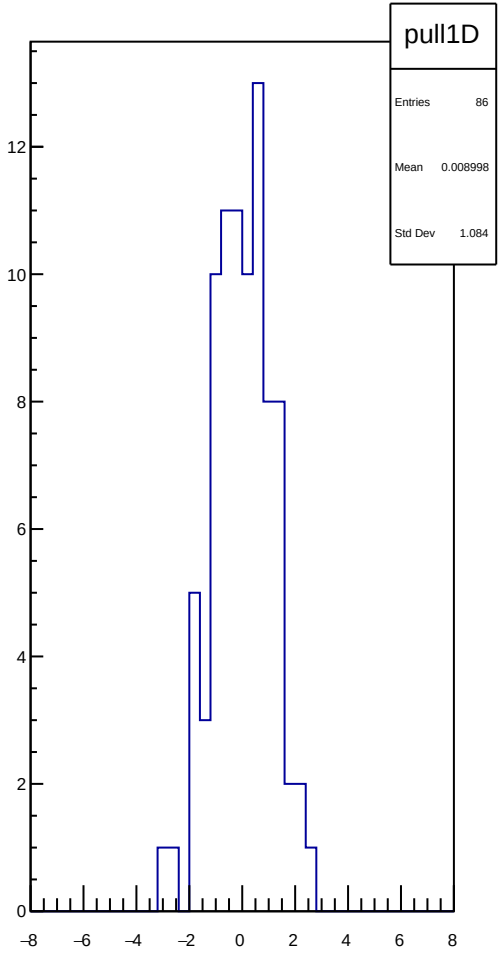

asym_at1_dd_rms vs run
$\chi^2$ / ndf 8138 / 85
p0 1858 ± 1.459
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

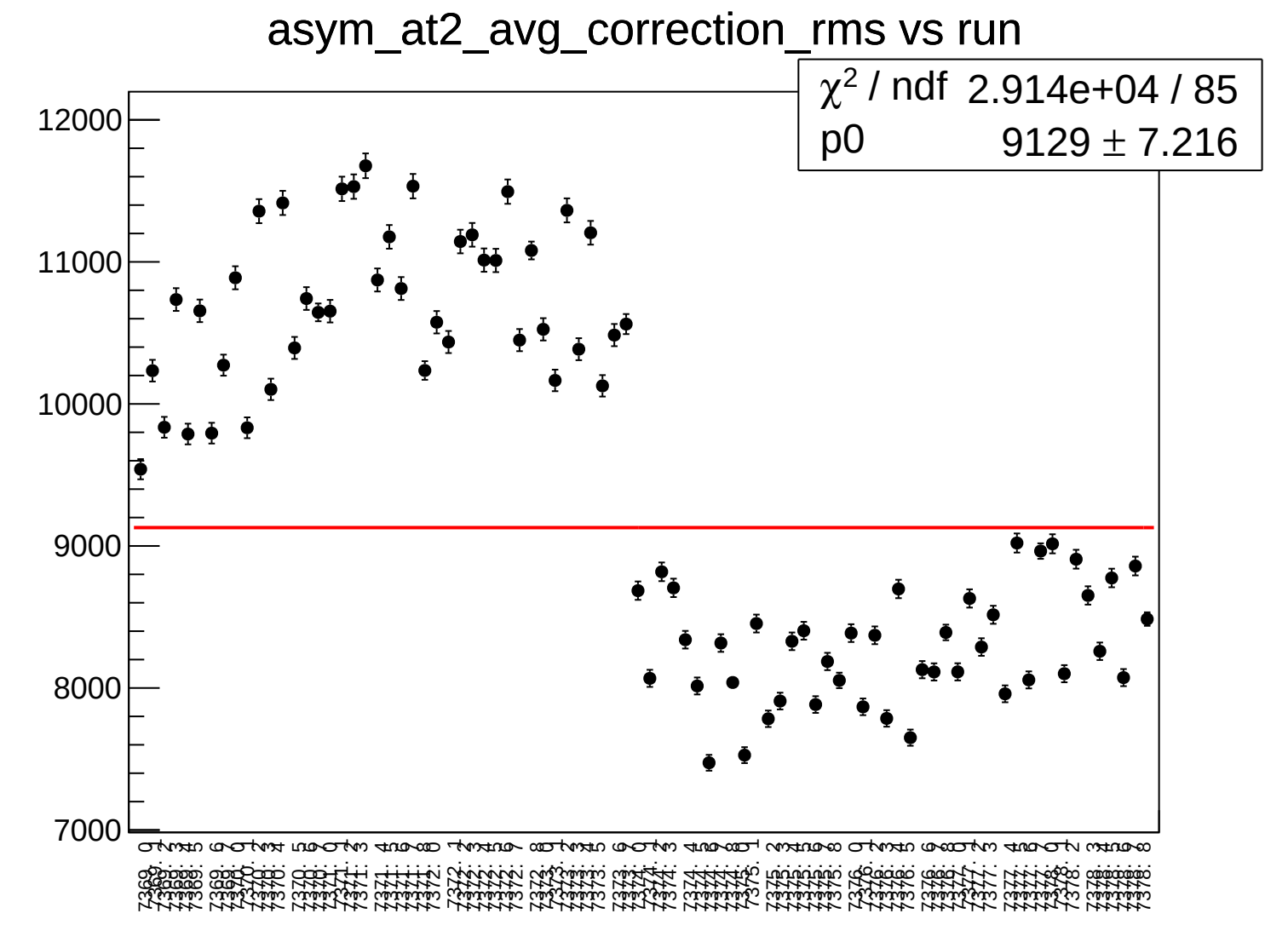

dit_asym_at2_avg_mean vs run
χ² / ndf 63.22 / 85
p0 2048 ± 2328
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −123.3
Std Dev 195.6
2
1.5
1
0.5
0
−0.5
−1
−1.5

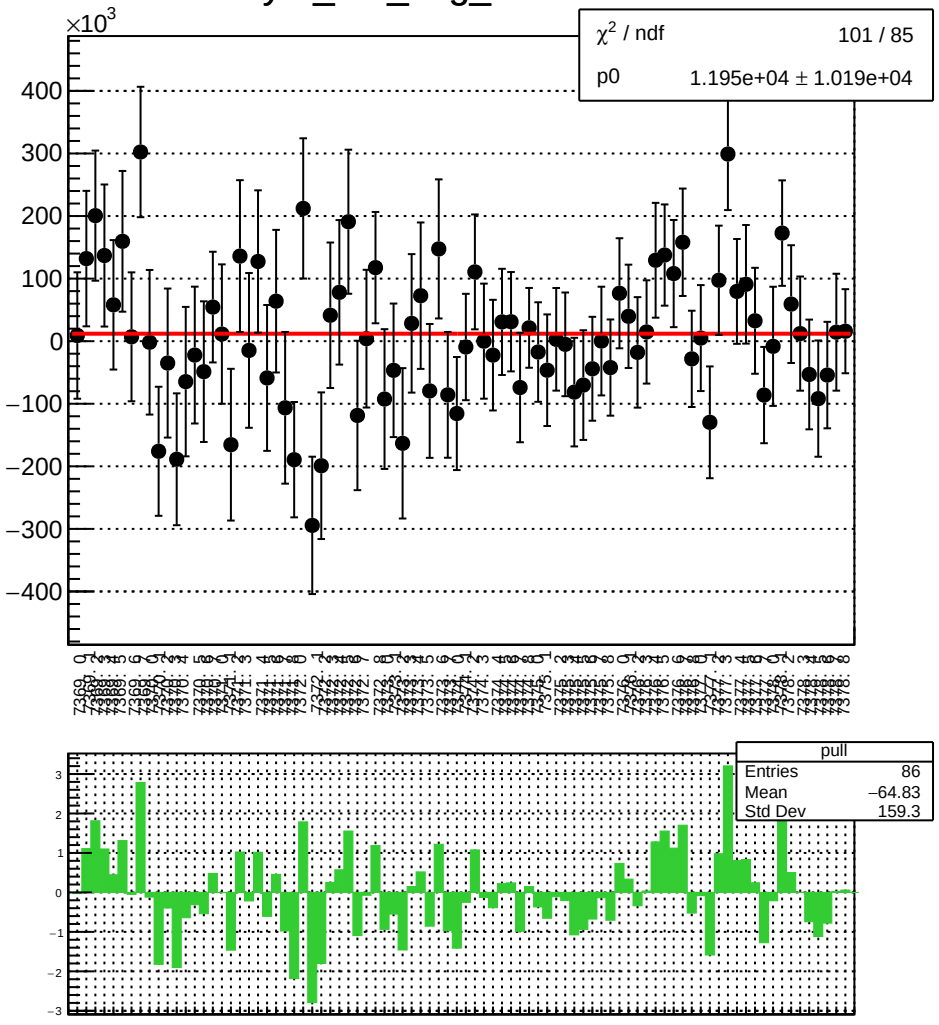

pull1D
Entries 86
Mean 0.008988
Std Dev 0.8573
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

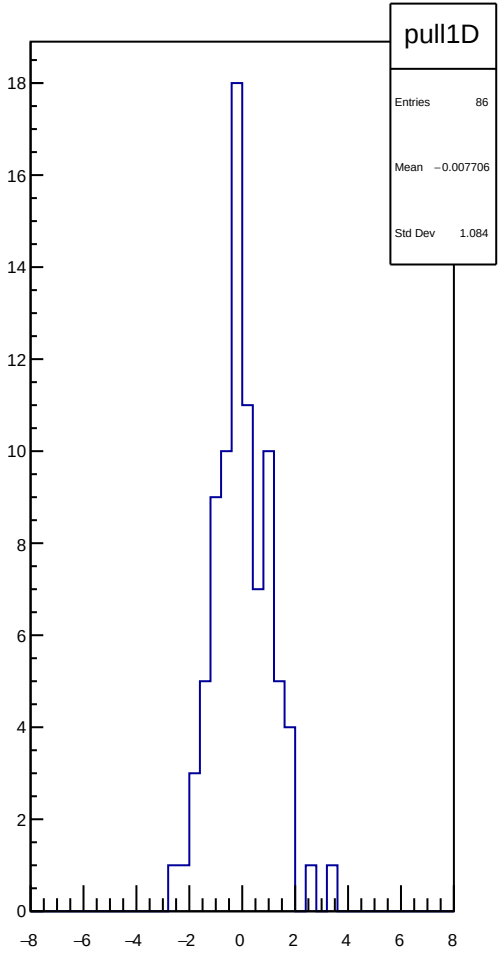

dit_asym_at2_avg_rms vs run
χ² / ndf 1.58e+04 / 85
p0 2091 ± 1.646
2600
2400
2200
2000
1800

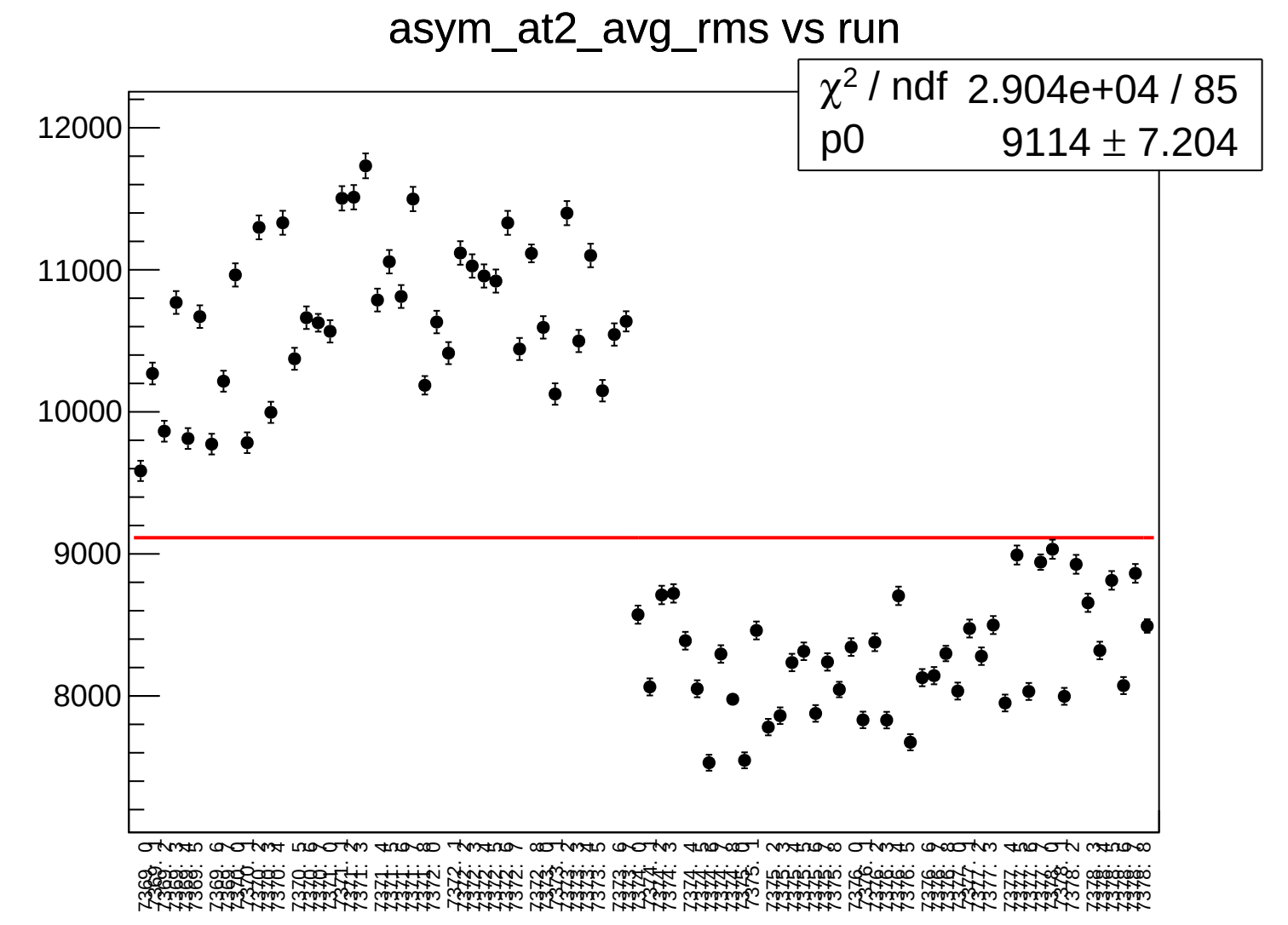

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 101 / 85
p0 −9747 ± 1.021e+04
pull
Entries 86
Mean −99.15
Std Dev 186

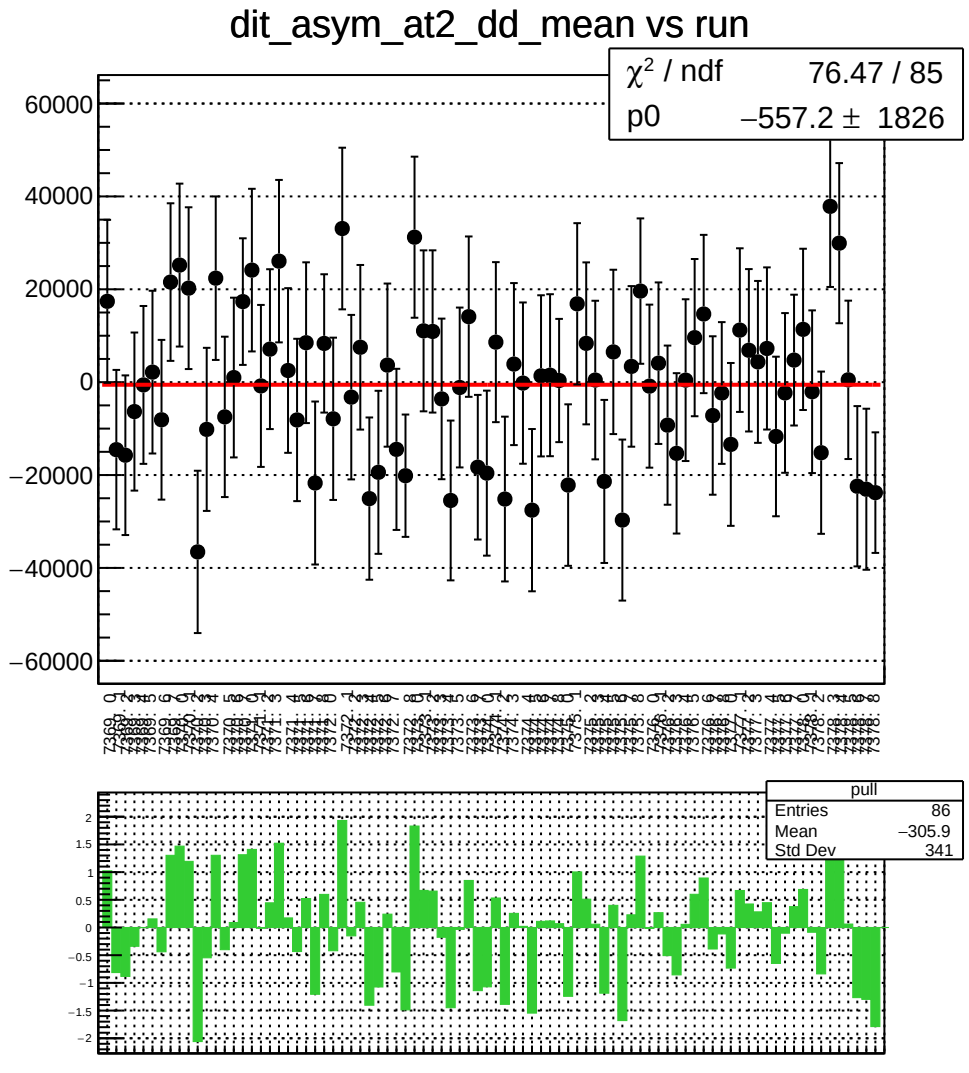

pull1D
Entries 86
Mean 0.008998
Std Dev 1.084

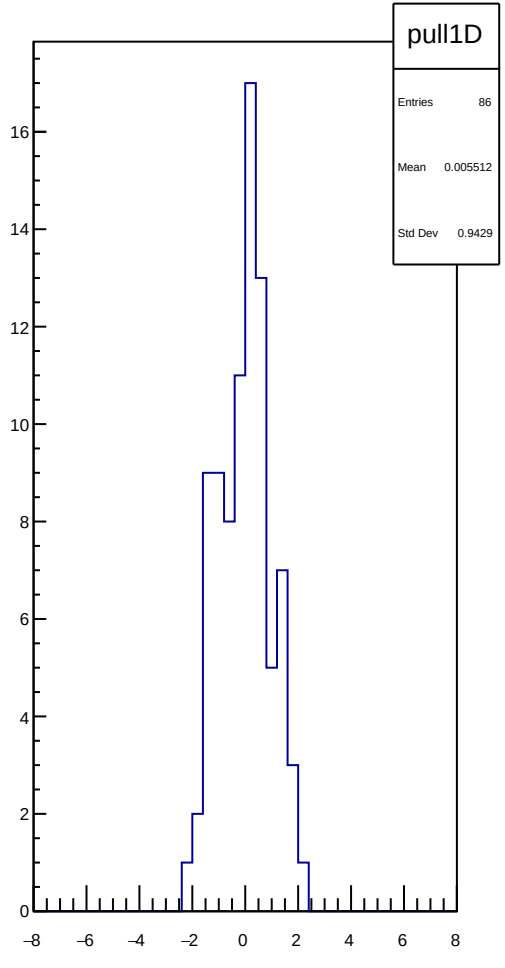

asym_at2_avg_correction_rms vs run
χ² / ndf 2.914e+04 / 85
p0 9129 ± 7.216
12000
11000
10000
9000
8000
7000

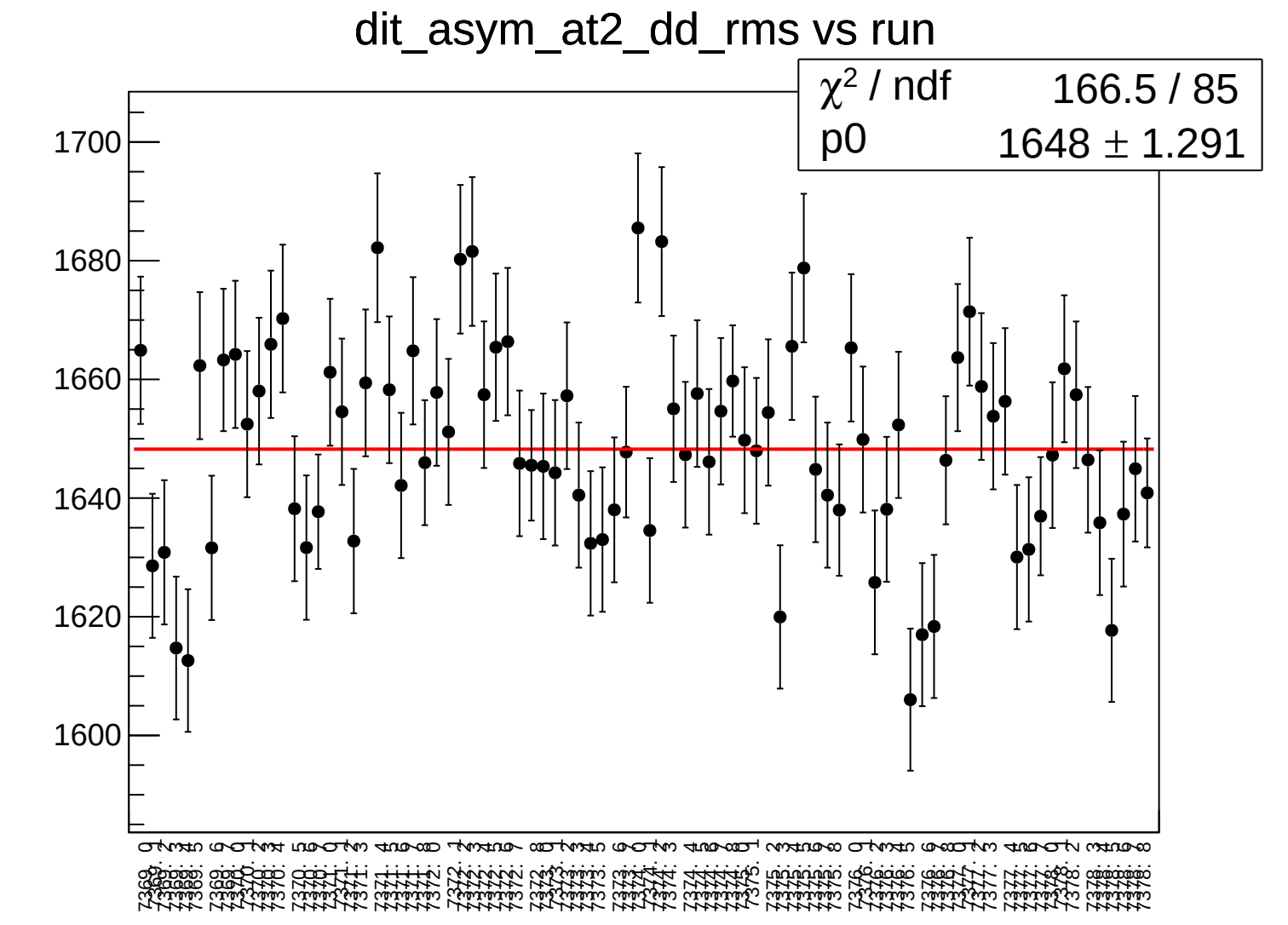

asym_at2_avg_mean vs run
×10^3
χ² / ndf 101 / 85
p0 1.195e+04 ± 1.019e+04
pull
Entries 86
Mean −64.83
Std Dev 159.3

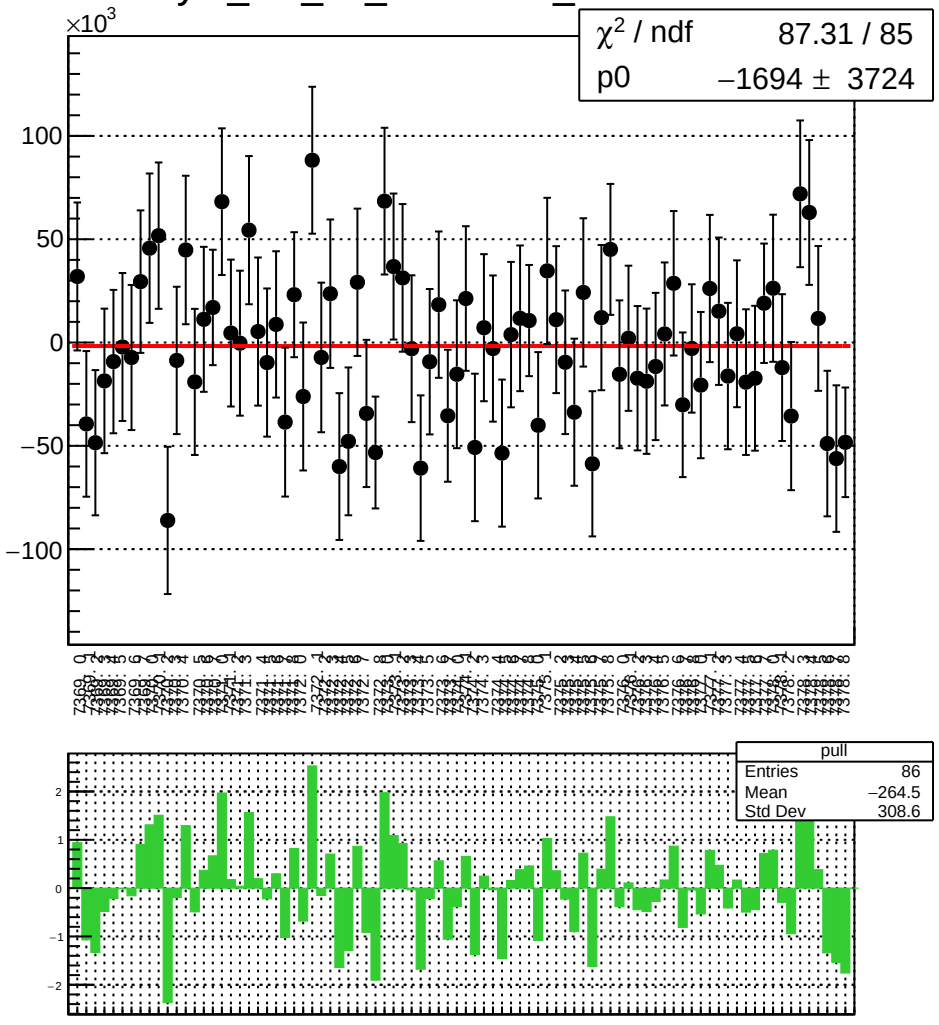

pull1D
Entries 86
Mean −0.007706
Std Dev 1.084

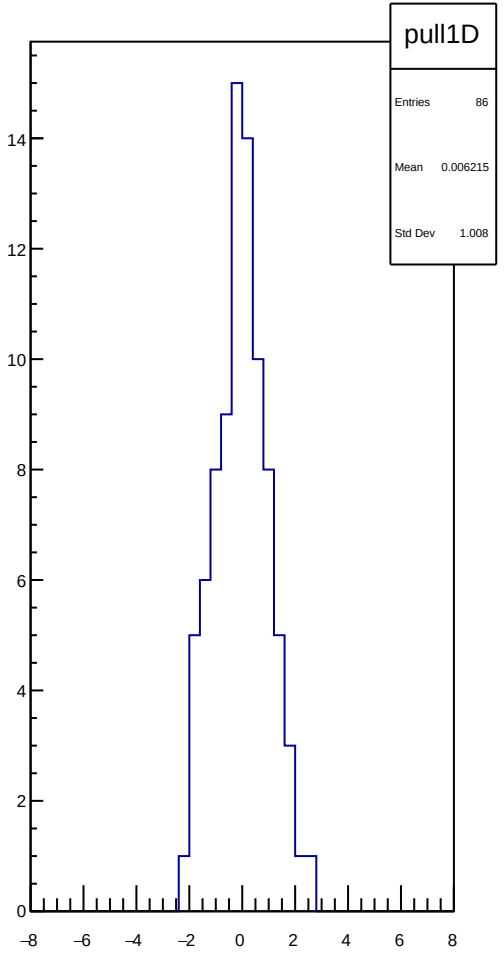

asym_at2_avg_rms vs run
χ² / ndf 2.904e+04 / 85
p0 9114 ± 7.204
12000
11000
10000
9000
8000

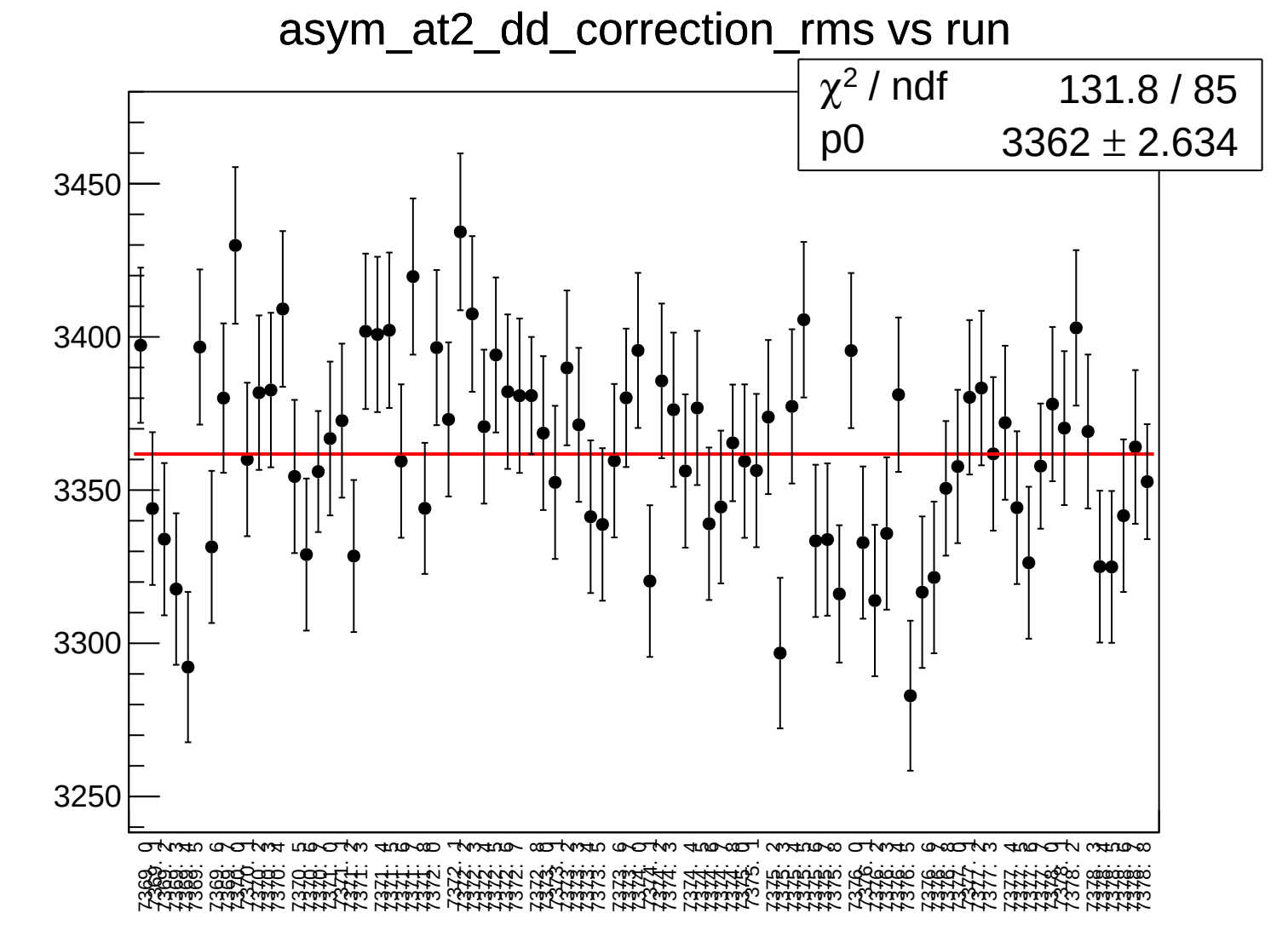

dit_asym_at2_dd_mean vs run
χ² / ndf 76.47 / 85
p0 −557.2 ± 1826
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −305.9
Std Dev 341
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

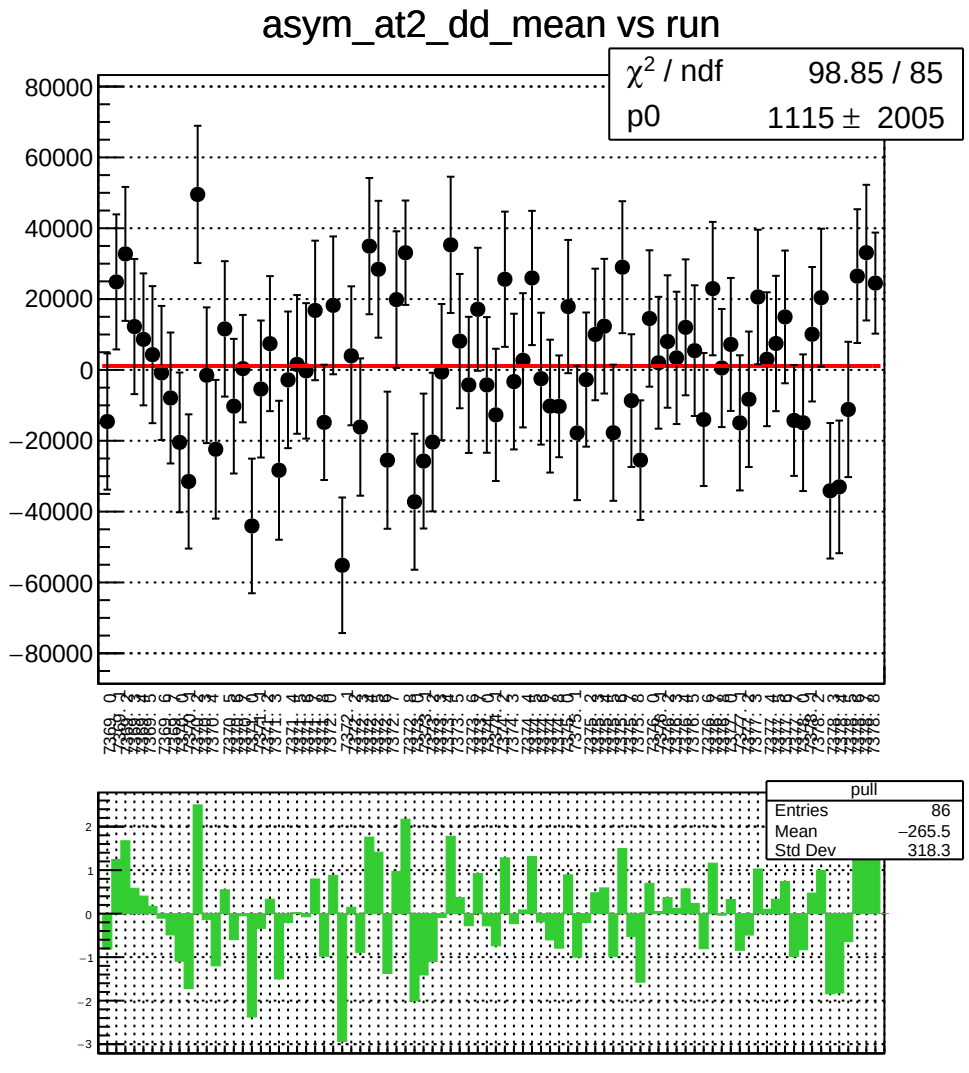

pull1D
Entries 86
Mean 0.005512
Std Dev 0.9429
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

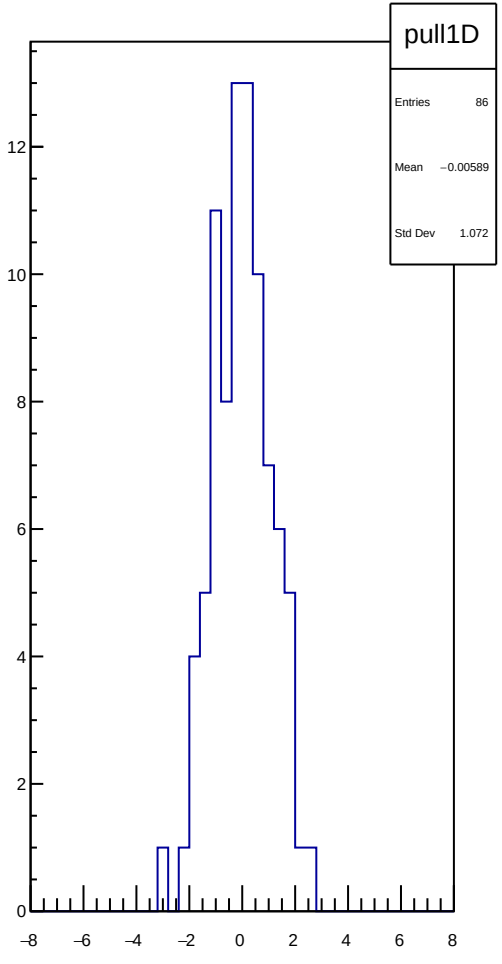

dit_asym_at2_dd_rms vs run
χ² / ndf 166.5 / 85
p0 1648 ± 1.291
1700
1680
1660
1640
1620
1600

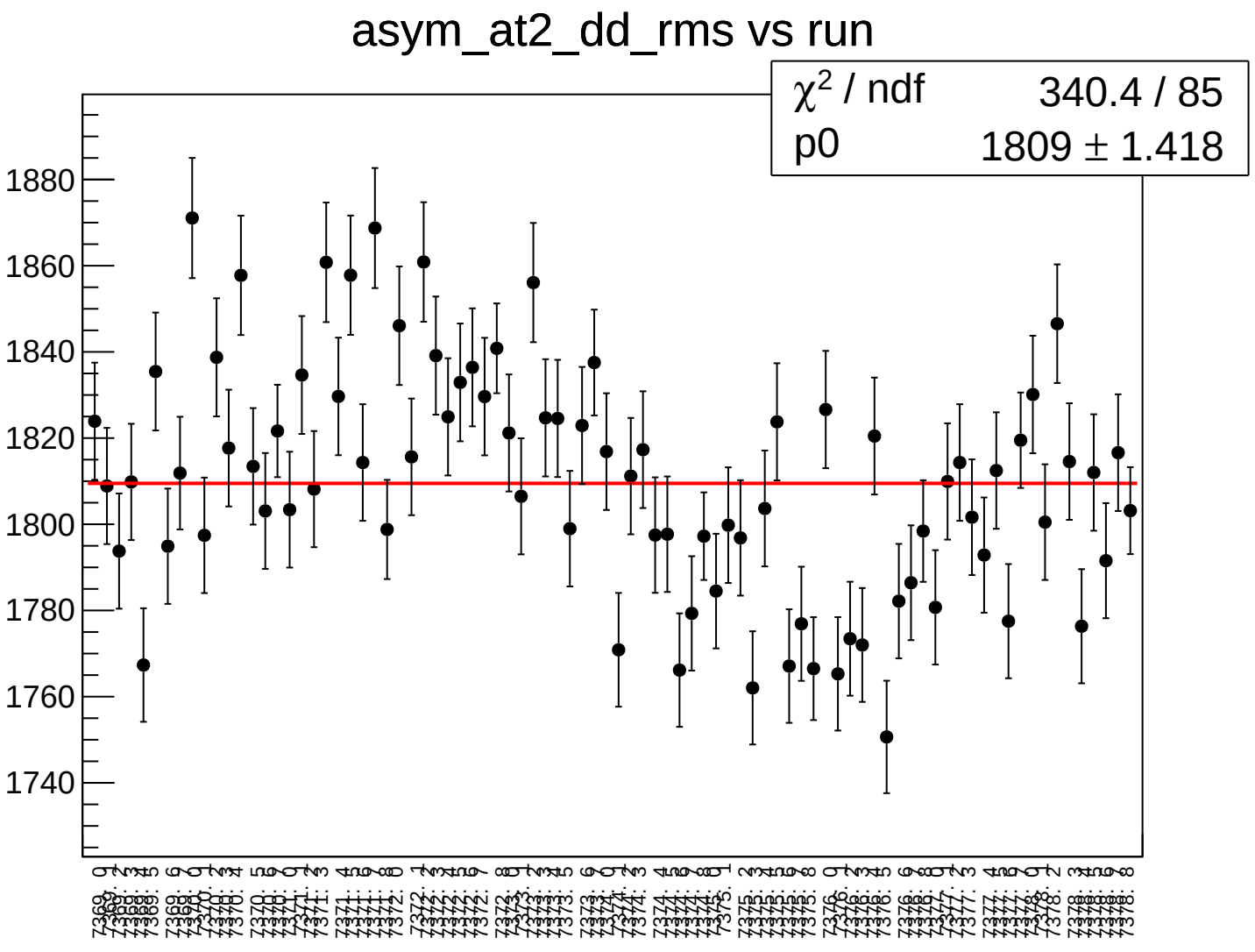

asym_at2_dd_correction_mean vs run
χ² / ndf 87.31 / 85
p0 −1694 ± 3724
×10³
100
50
0
−50
−100
pull
Entries 86
Mean −264.5
Std Dev 308.6
2
1
0
−1
−2

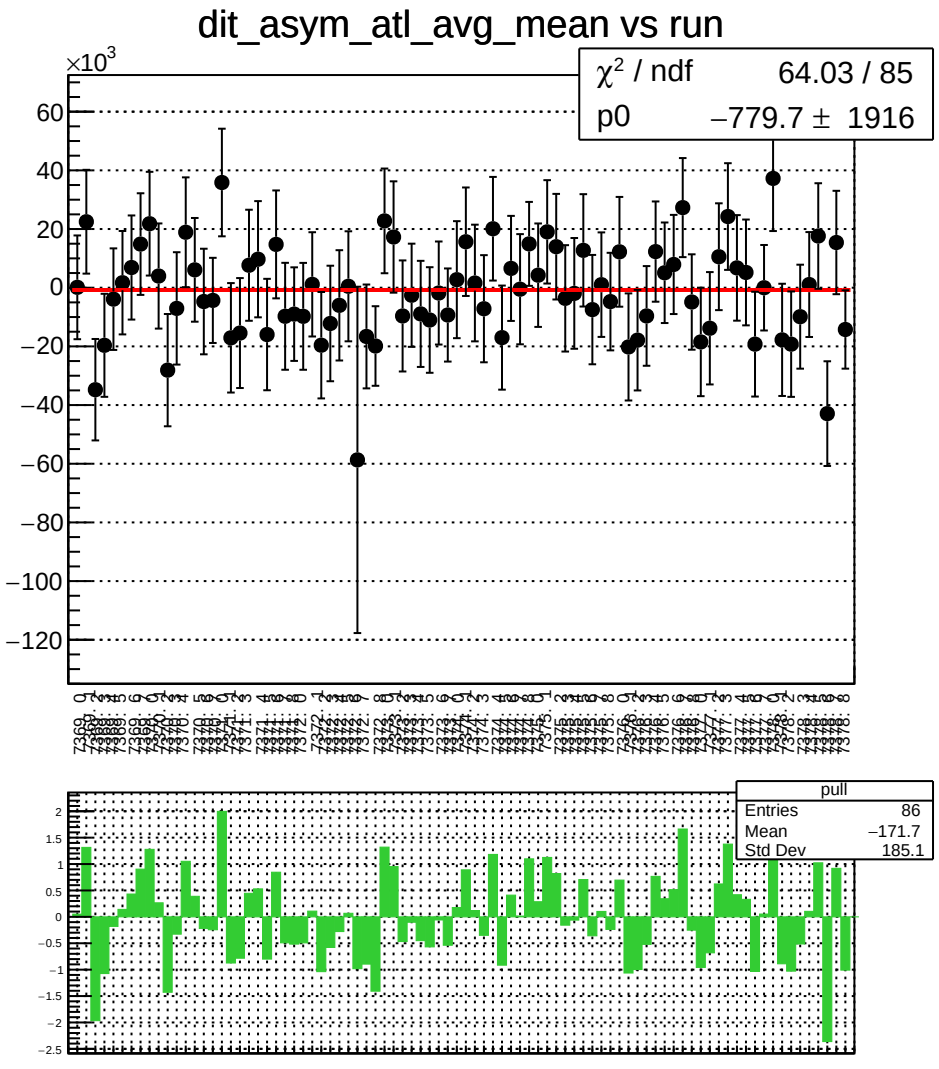

pull1D
Entries 86
Mean 0.006215
Std Dev 1.008
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

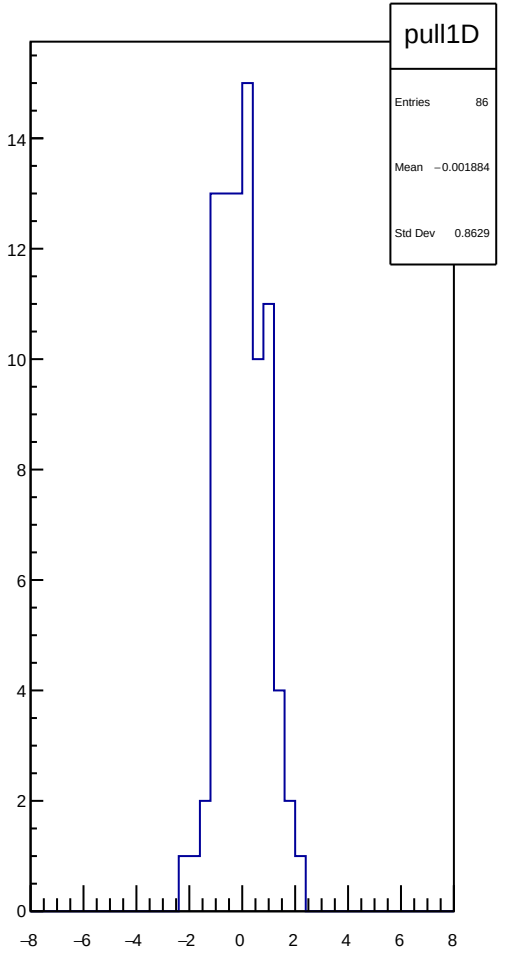

asym_at2_dd_correction_rms vs run
χ² / ndf 131.8 / 85
p0 3362 ± 2.634
3450
3400
3350
3300
3250

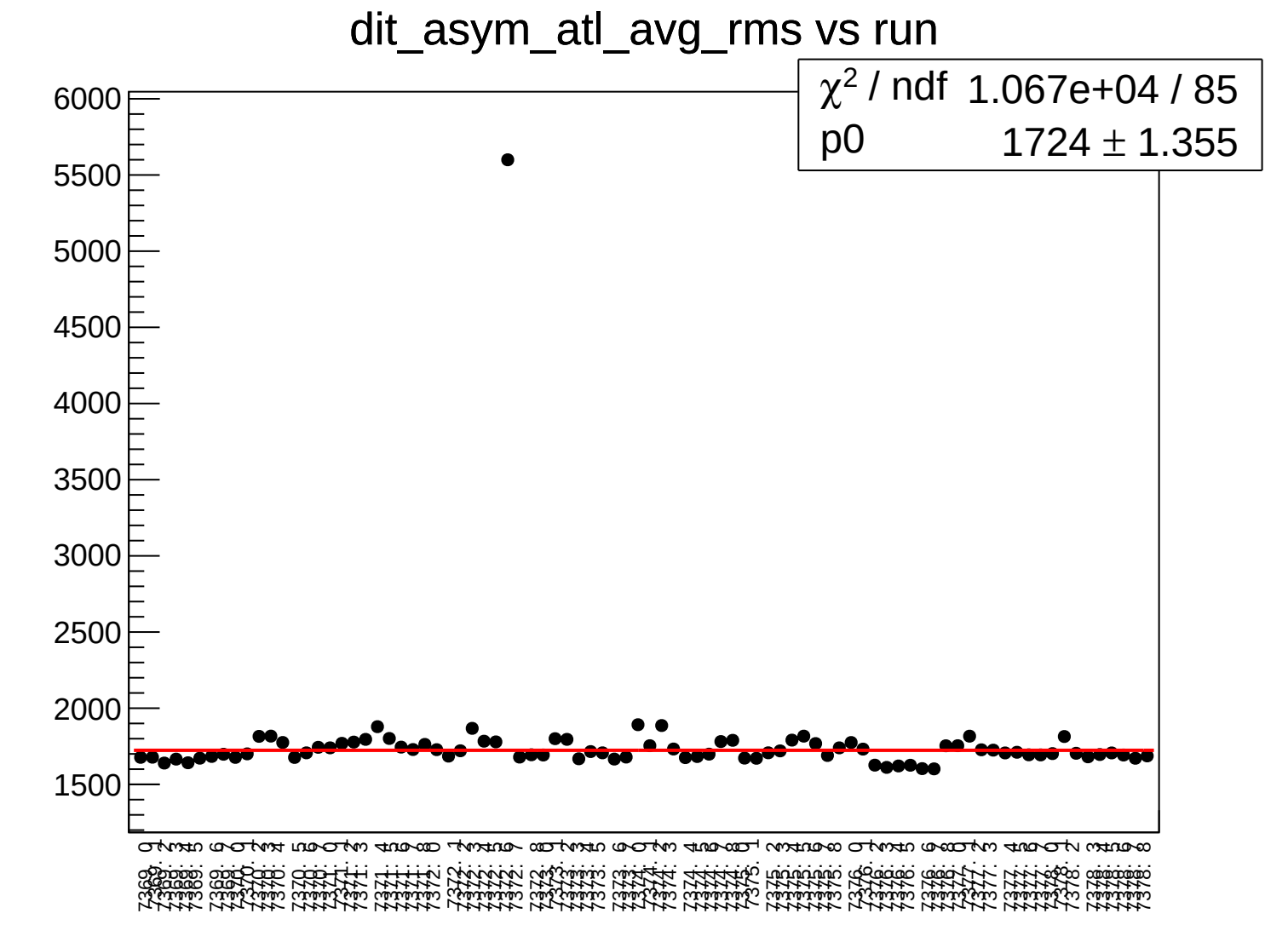

asym_at2_dd_mean vs run
χ² / ndf 98.85 / 85
p0 1115 ± 2005
pull
Entries 86
Mean −265.5
Std Dev 318.3

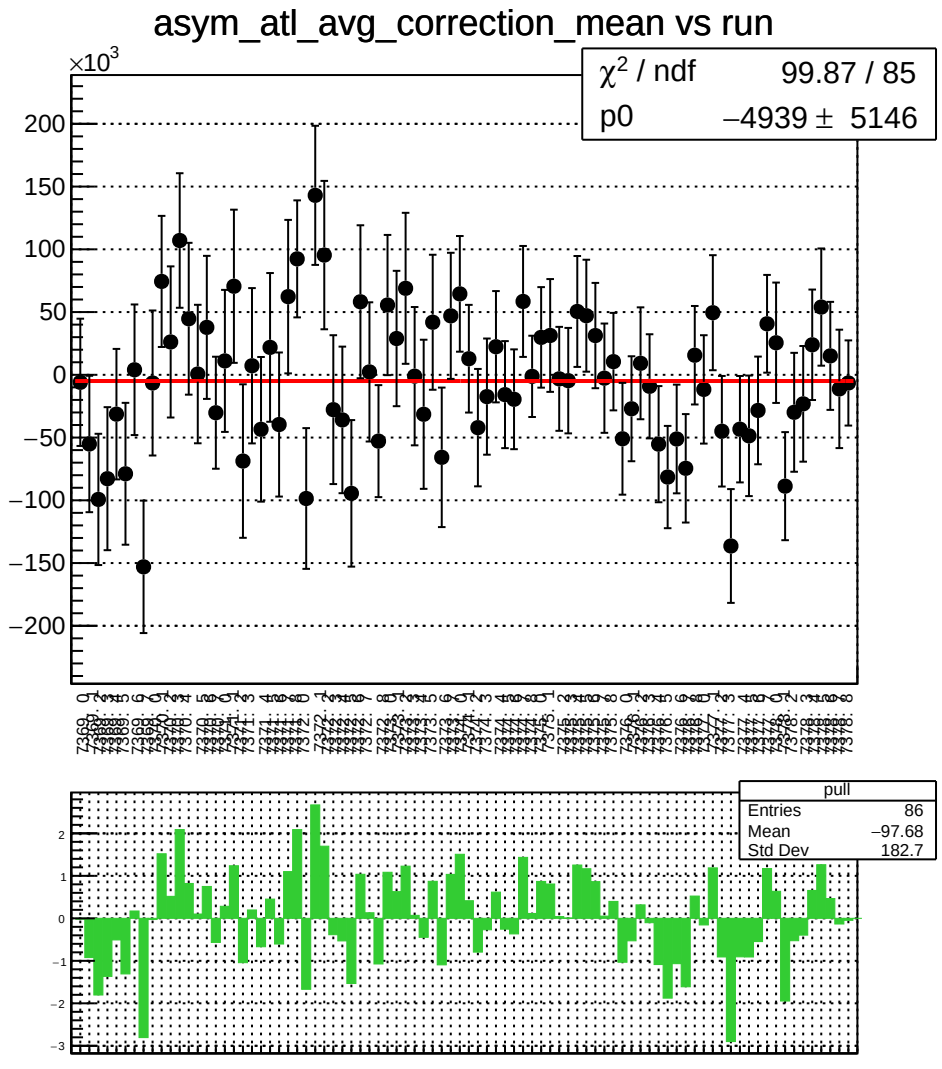

pull1D
Entries 86
Mean −0.00589
Std Dev 1.072

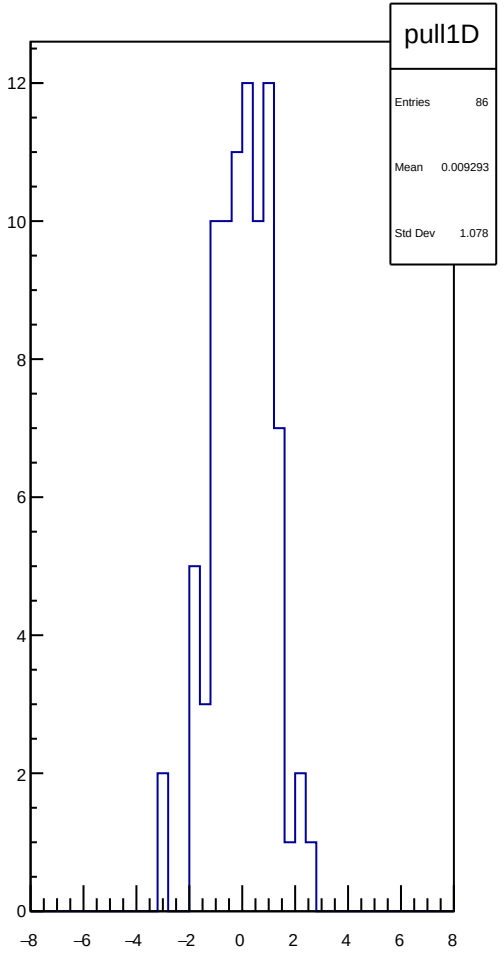

asym_at2_dd_rms vs run
χ² / ndf 340.4 / 85
p0 1809 ± 1.418
1880
1860
1840
1820
1800
1780
1760
1740

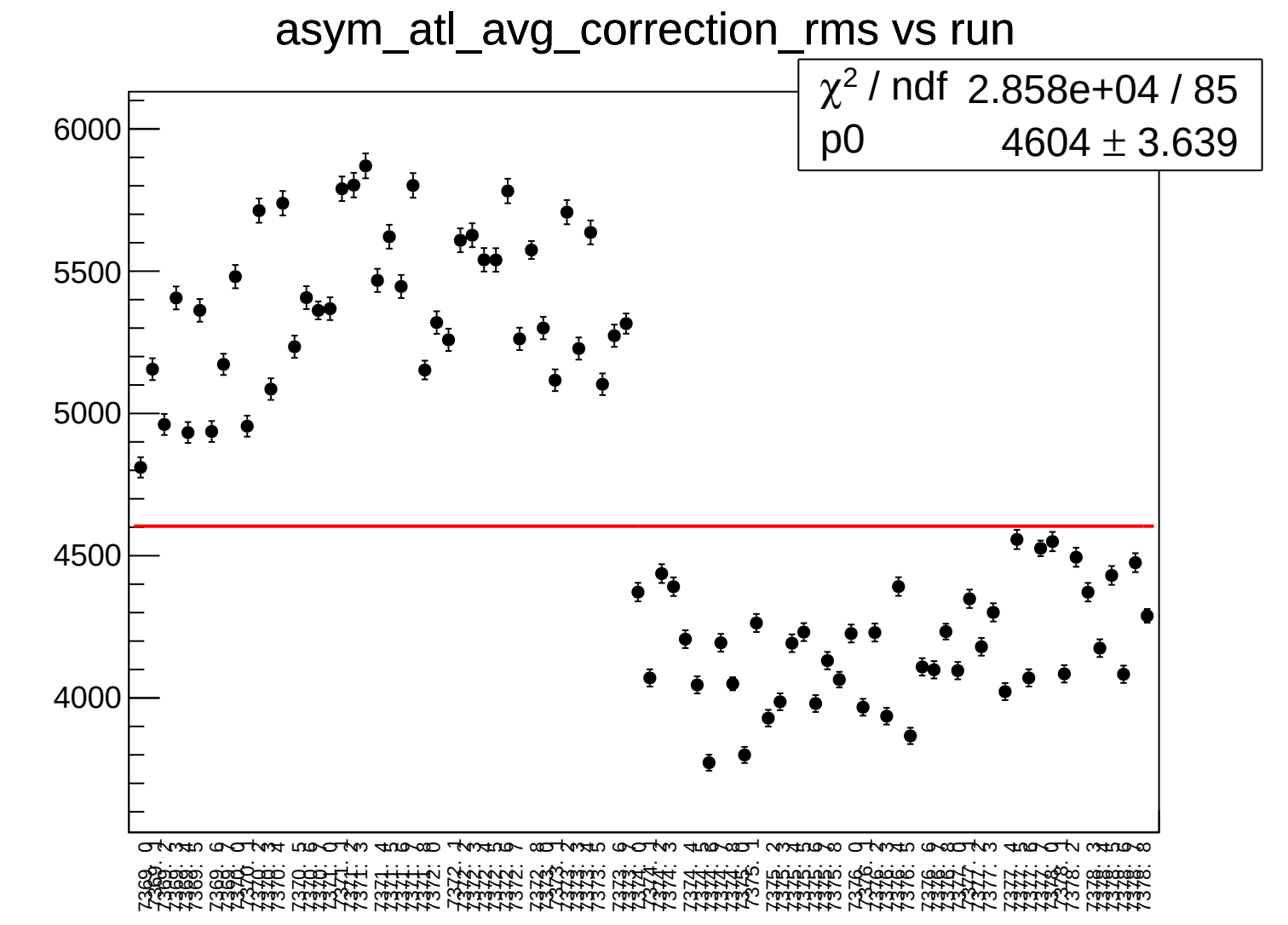

dit_asym_atl_avg_mean vs run
×10^3
χ² / ndf 64.03 / 85
p0 −779.7 ± 1916
pull
Entries 86
Mean −171.7
Std Dev 185.1

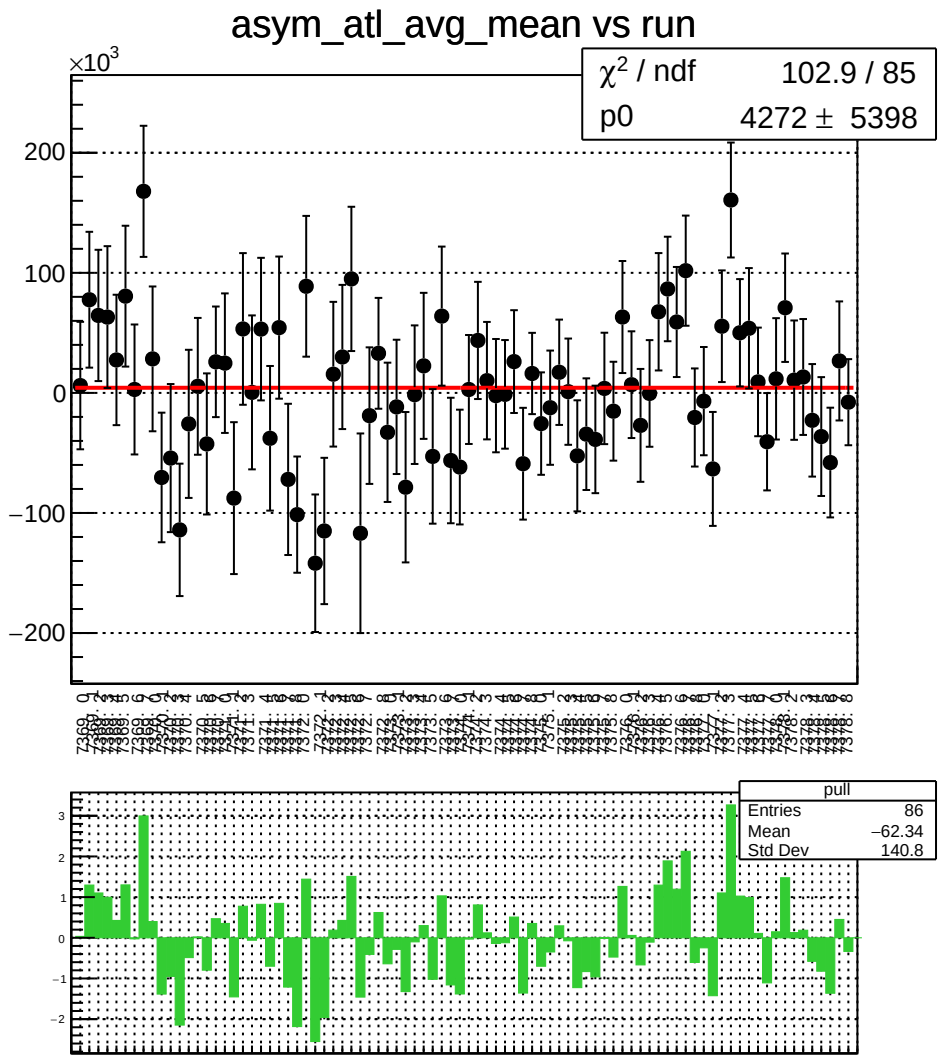

pull1D
Entries 86
Mean −0.001884
Std Dev 0.8629

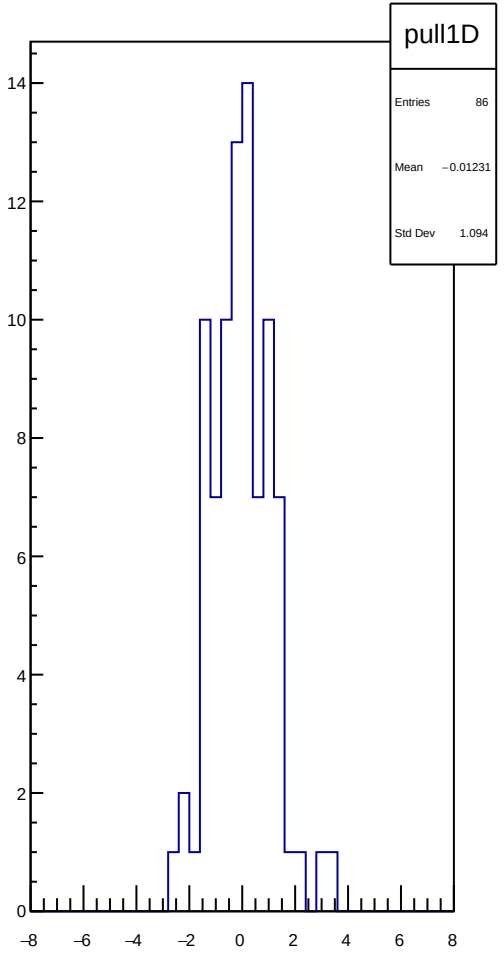

dit_asym_atl_avg_rms vs run
$\chi^2$ / ndf 1.067e+04 / 85
p0 1724 ± 1.355
6000
5500
5000
4500
4000
3500
3000
2500
2000
1500

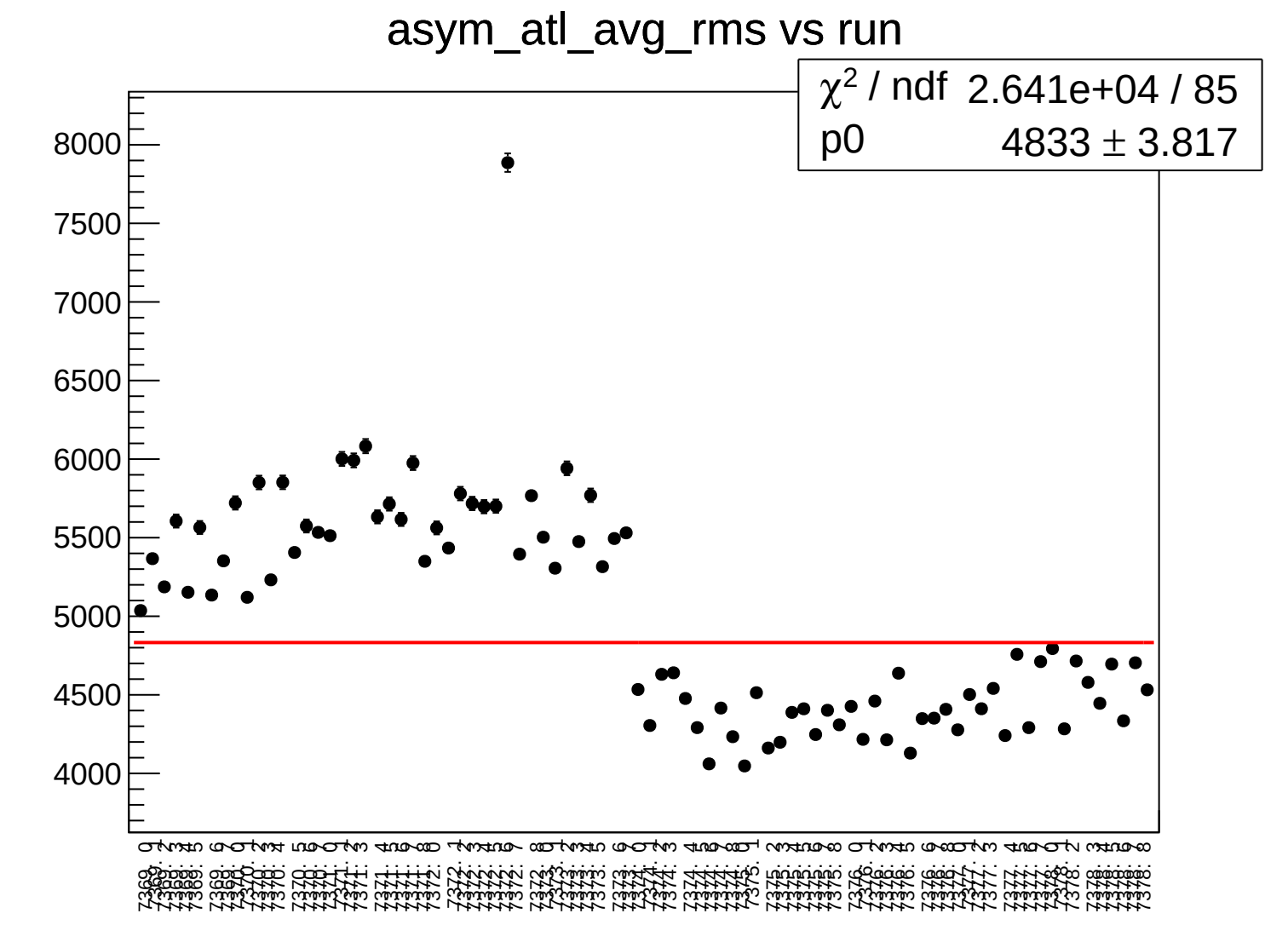

asym_atl_avg_correction_mean vs run
×10^3
χ² / ndf 99.87 / 85
p0 −4939 ± 5146
pull
Entries 86
Mean −97.68
Std Dev 182.7

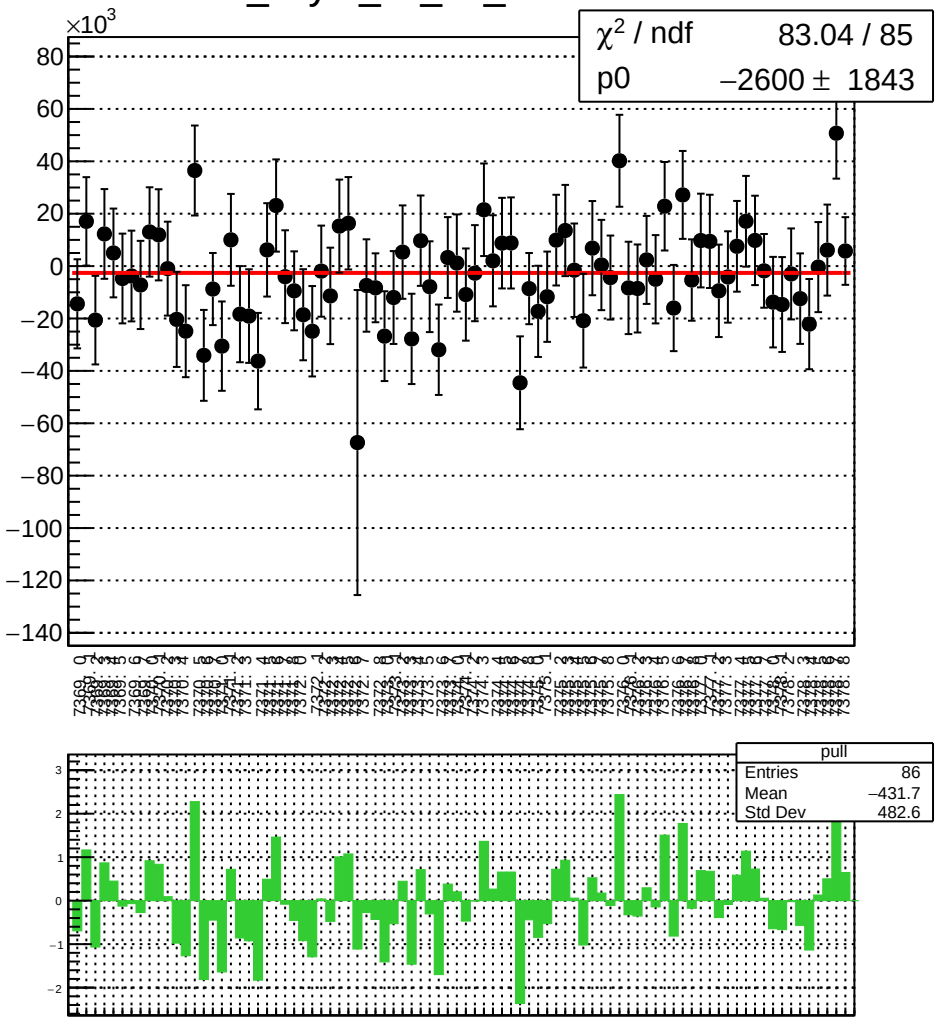

pull1D
Entries 86
Mean 0.009293
Std Dev 1.078

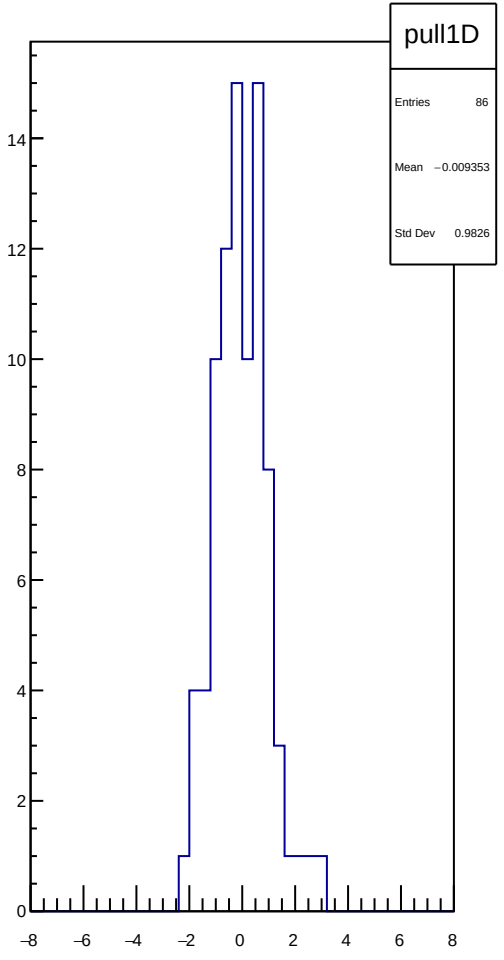

asym_atl_avg_correction_rms vs run
χ² / ndf 2.858e+04 / 85
p0 4604 ± 3.639
6000
5500
5000
4500
4000

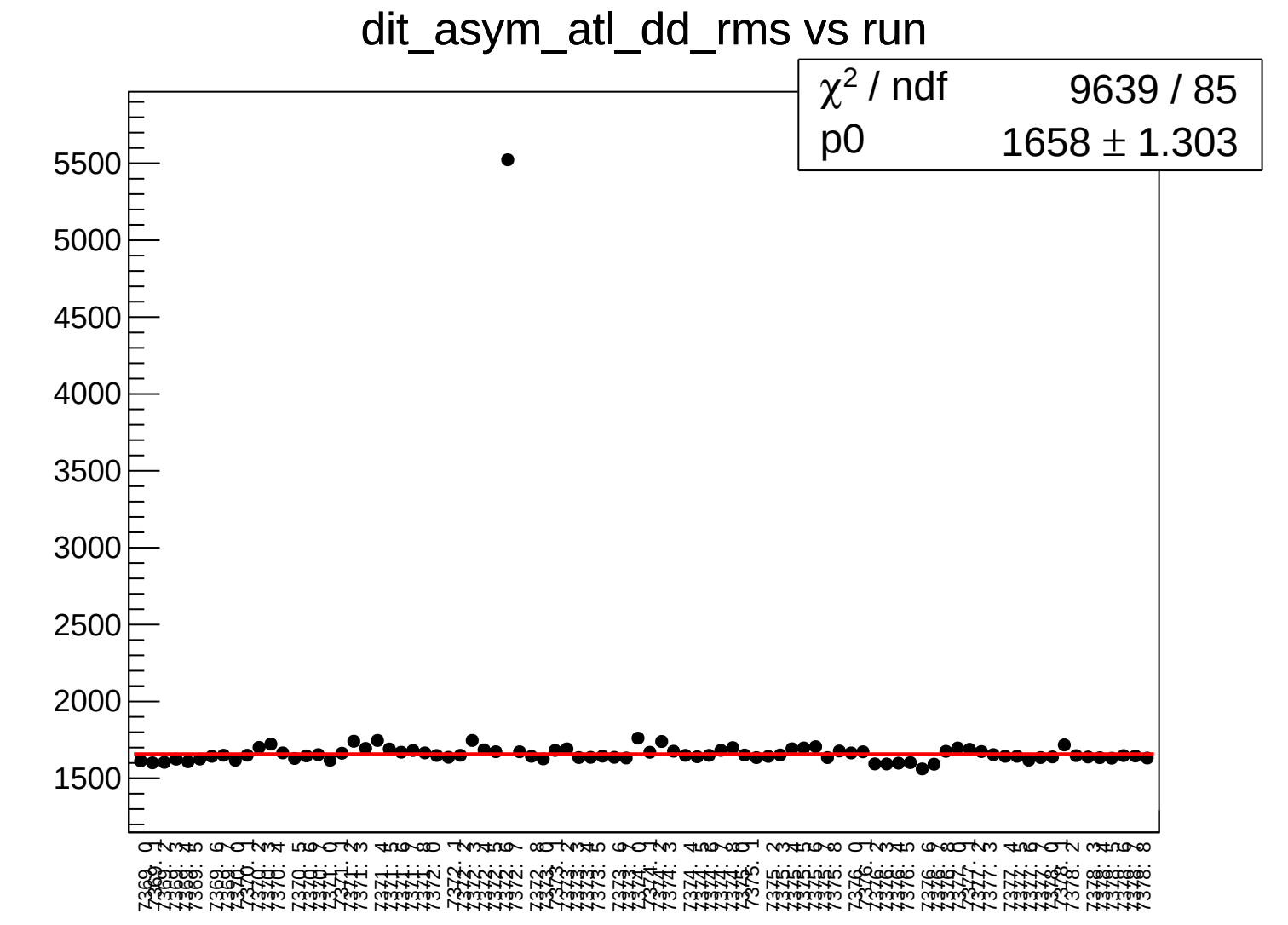

asym_atl_avg_mean vs run
×10^3
χ² / ndf 102.9 / 85
p0 4272 ± 5398
200
100
0
−100
−200
pull
Entries 86
Mean −62.34
Std Dev 140.8
3
2
1
0
−1
−2

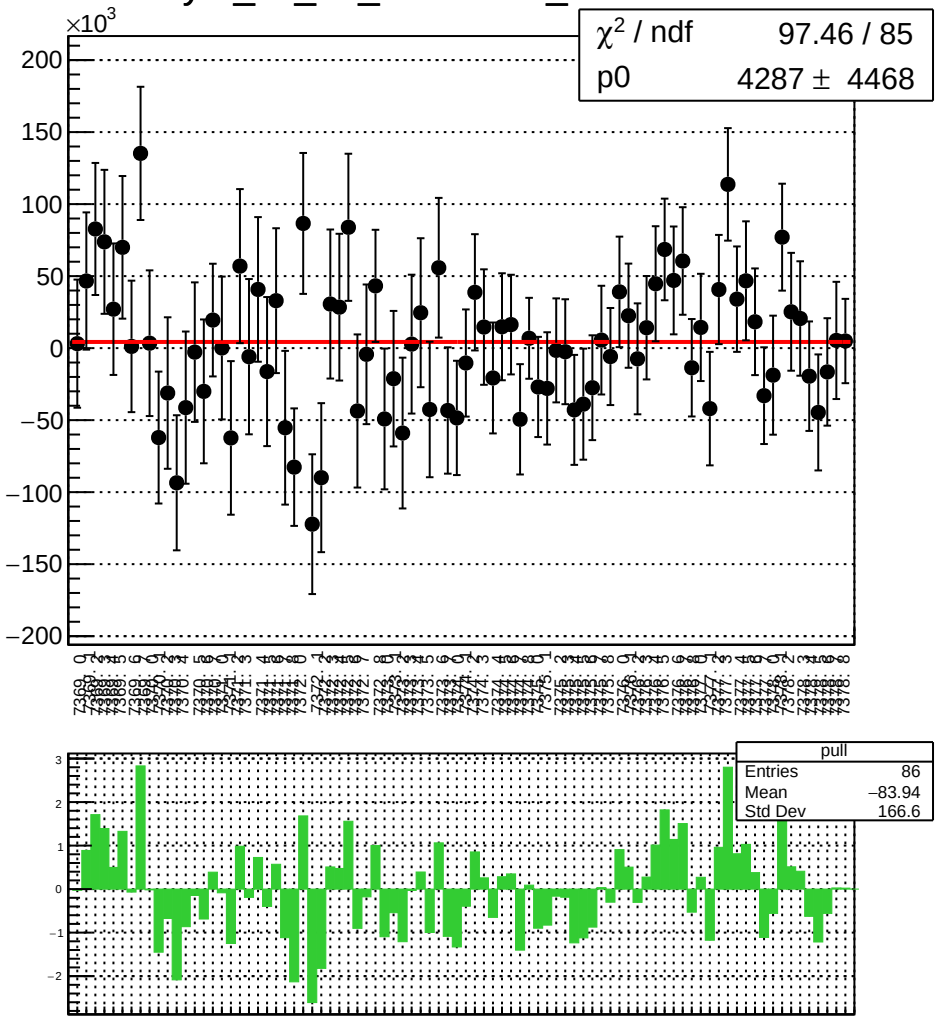

pull1D
Entries 86
Mean −0.01231
Std Dev 1.094
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

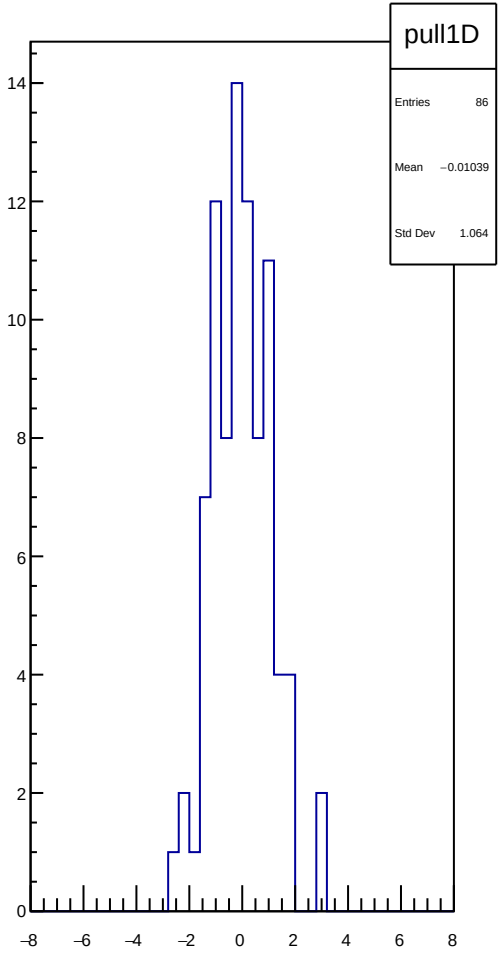

asym_atl_avg_rms vs run
χ² / ndf 2.641e+04 / 85
p0 4833 ± 3.817
8000
7500
7000
6500
6000
5500
5000
4500
4000

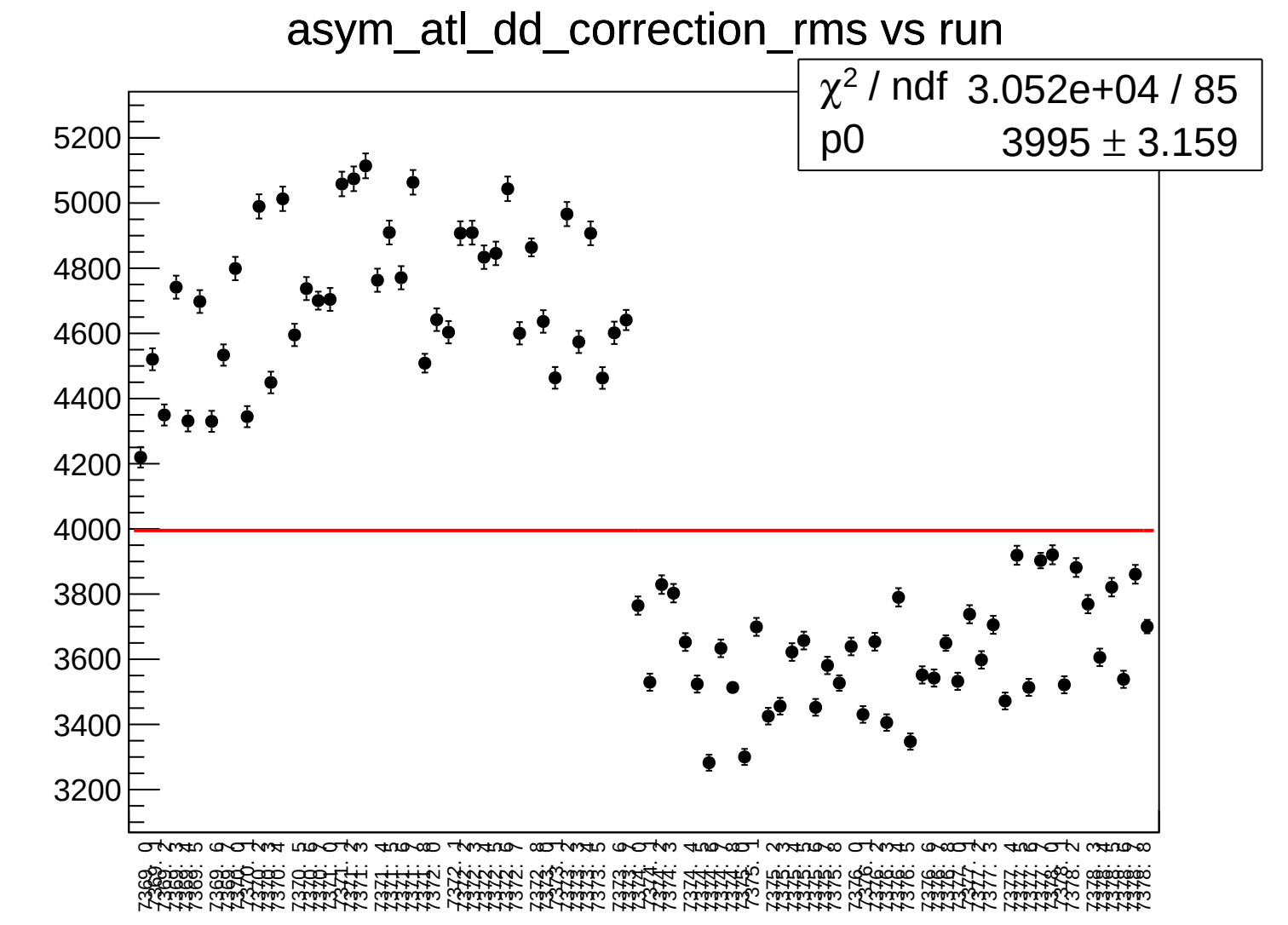

dit_asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 83.04 / 85
p0 −2600 ± 1843
pull
Entries 86
Mean −431.7
Std Dev 482.6

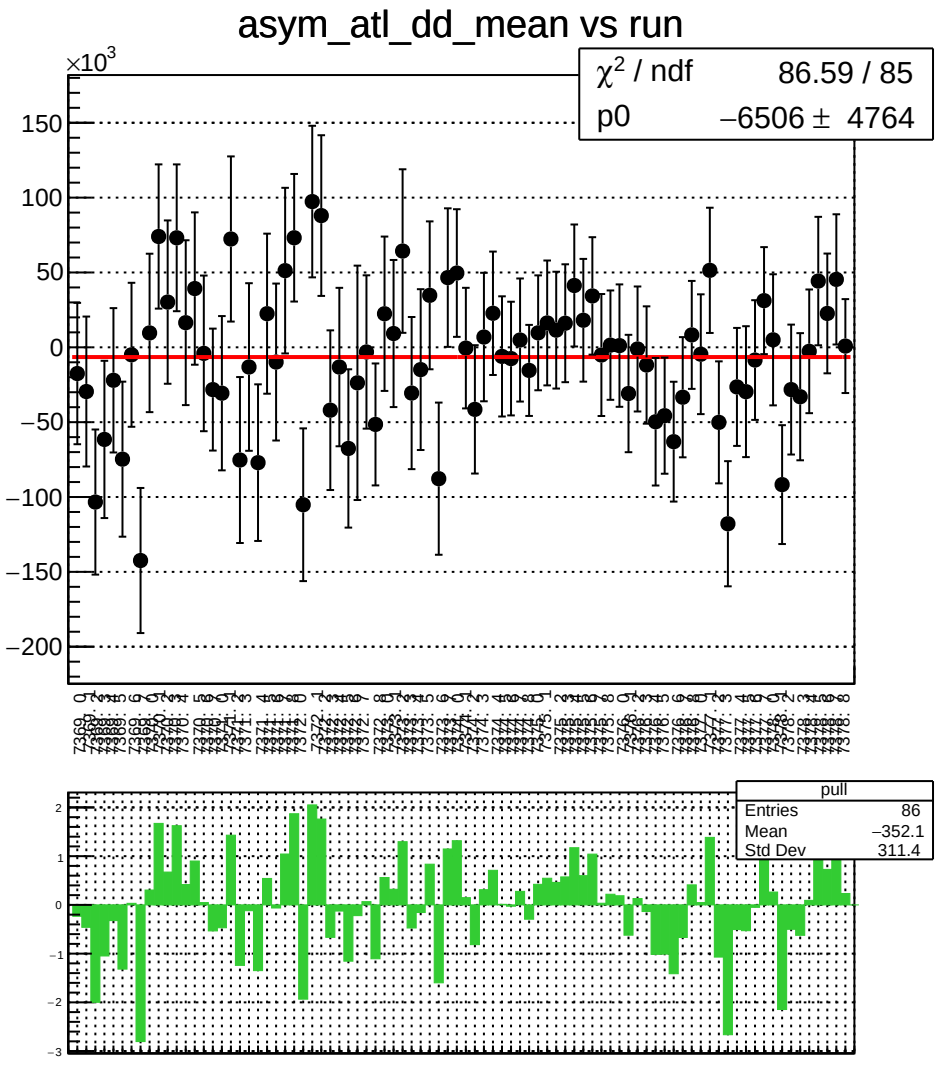

pull1D
Entries 86
Mean −0.009353
Std Dev 0.9826

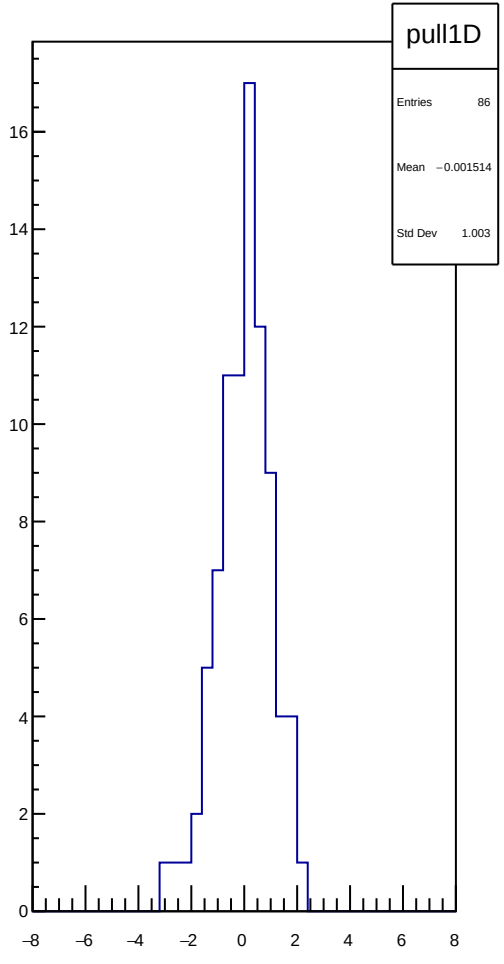

dit_asym_atl_dd_rms vs run
$\chi^2$ / ndf 9639 / 85
p0 1658 ± 1.303
5500
5000
4500
4000
3500
3000
2500
2000
1500

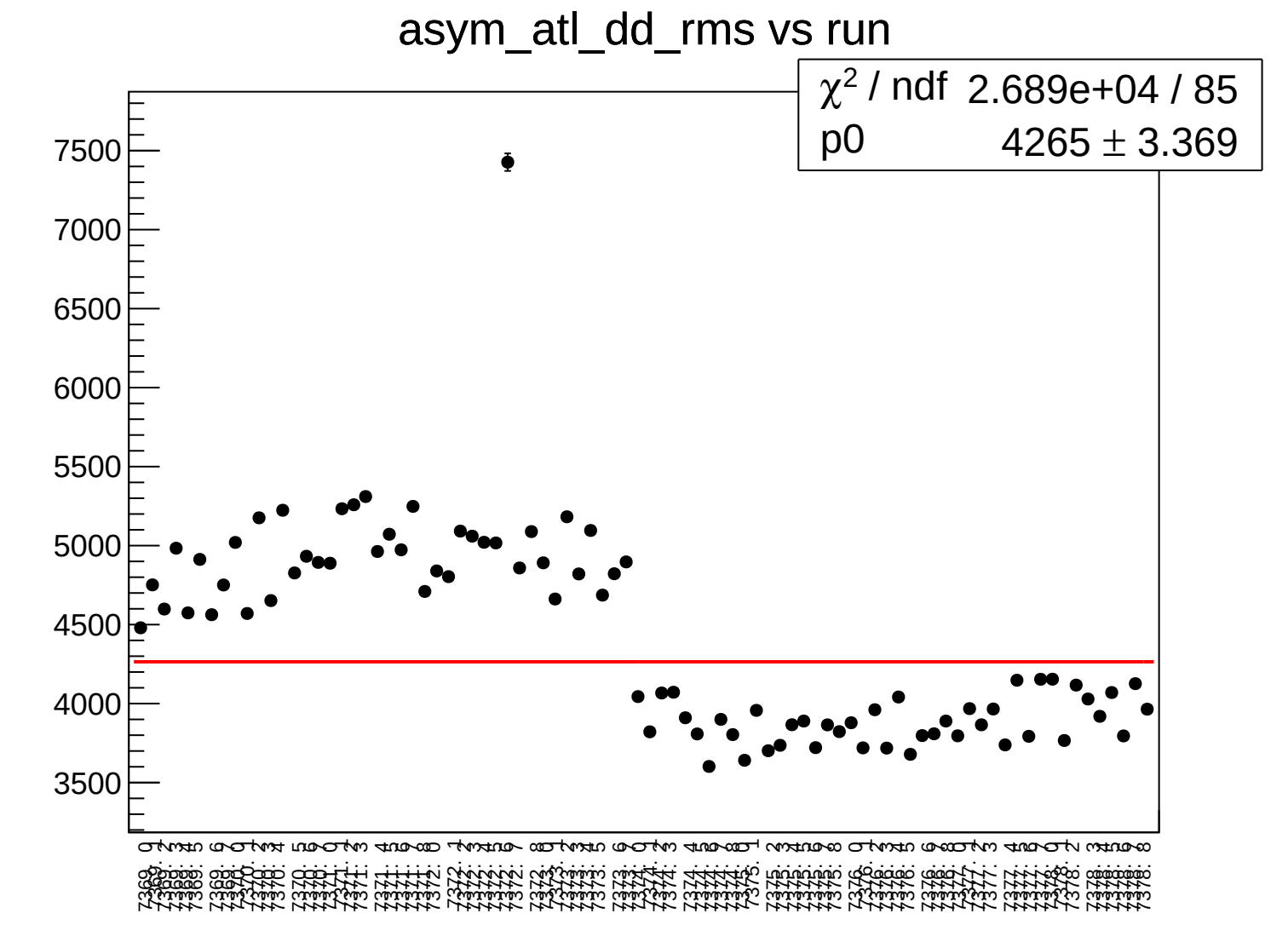

asym_atl_dd_correction_mean vs run
χ² / ndf 97.46 / 85
p0 4287 ± 4468
pull
Entries 86
Mean −83.94
Std Dev 166.6

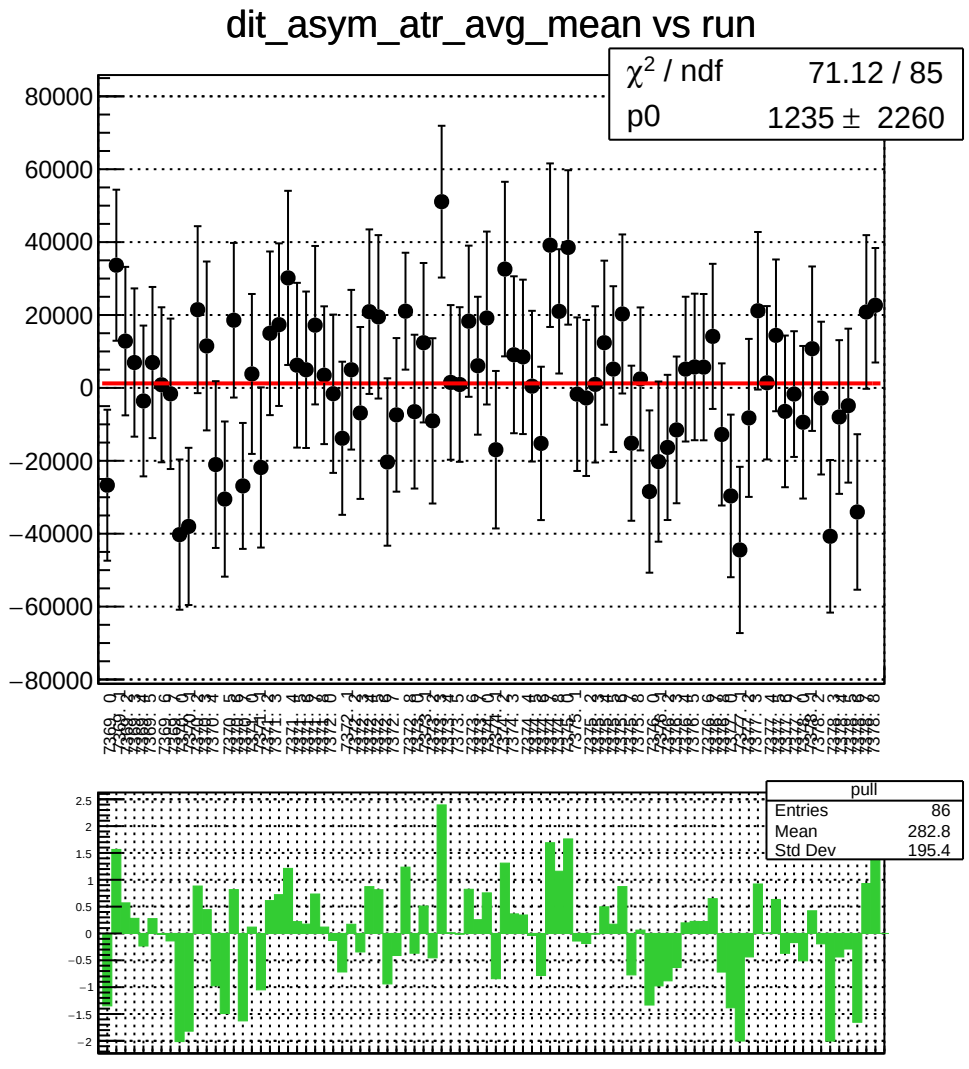

pull1D
Entries 86
Mean −0.01039
Std Dev 1.064

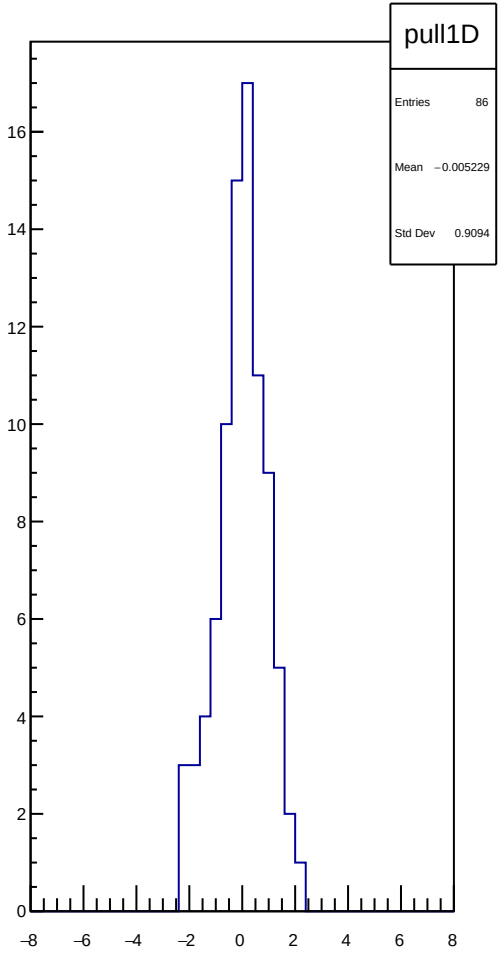

asym_atl_dd_correction_rms vs run
$\chi^2$ / ndf 3.052e+04 / 85
p0 3995 ± 3.159
5200
5000
4800
4600
4400
4200
4000
3800
3600
3400
3200

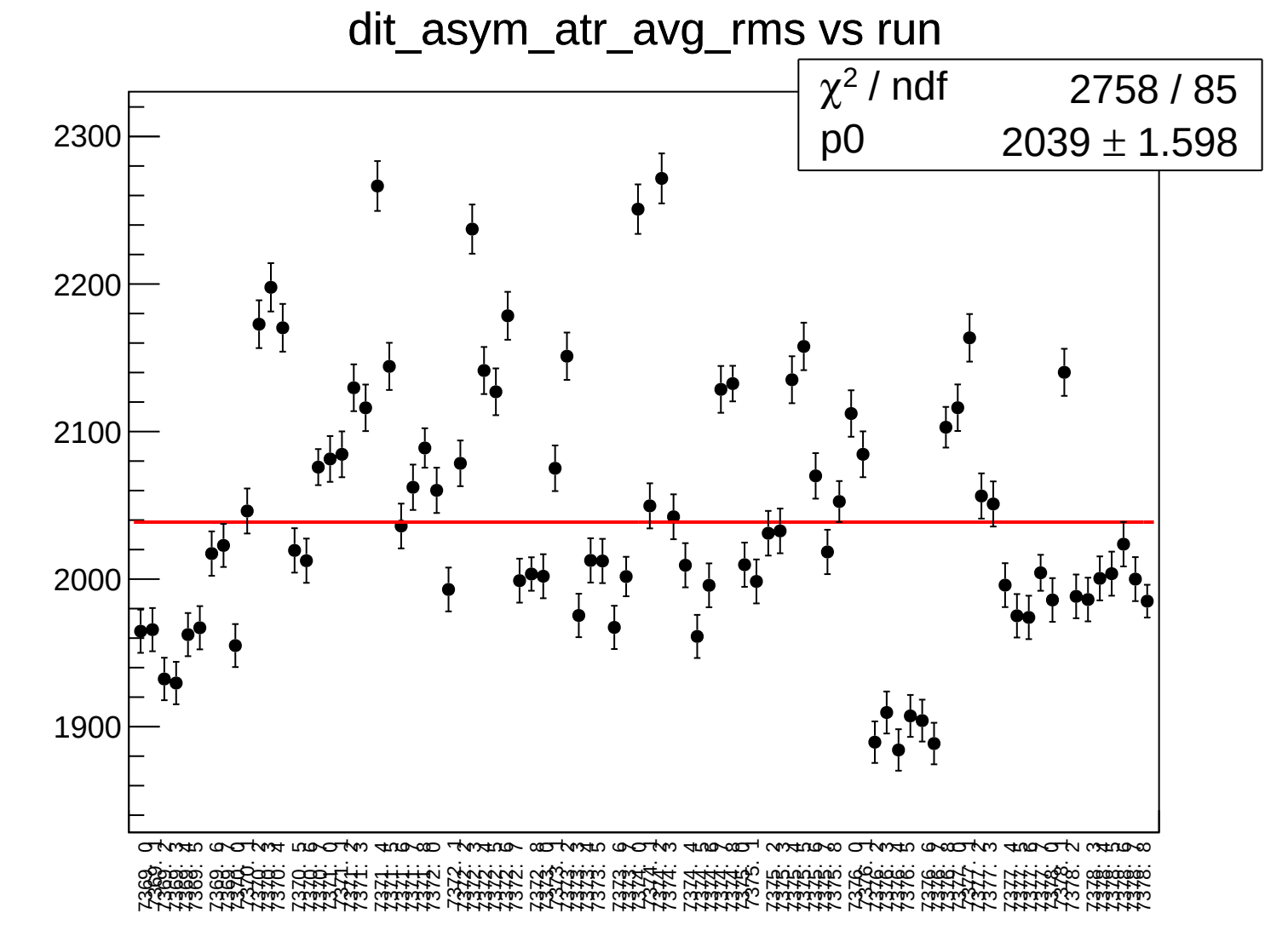

asym_atl_dd_mean vs run
×10^3
χ² / ndf 86.59 / 85
p0 −6506 ± 4764
150
100
50
0
−50
−100
−150
−200
pull
Entries 86
Mean −352.1
Std Dev 311.4
2
1
0
−1
−2
−3

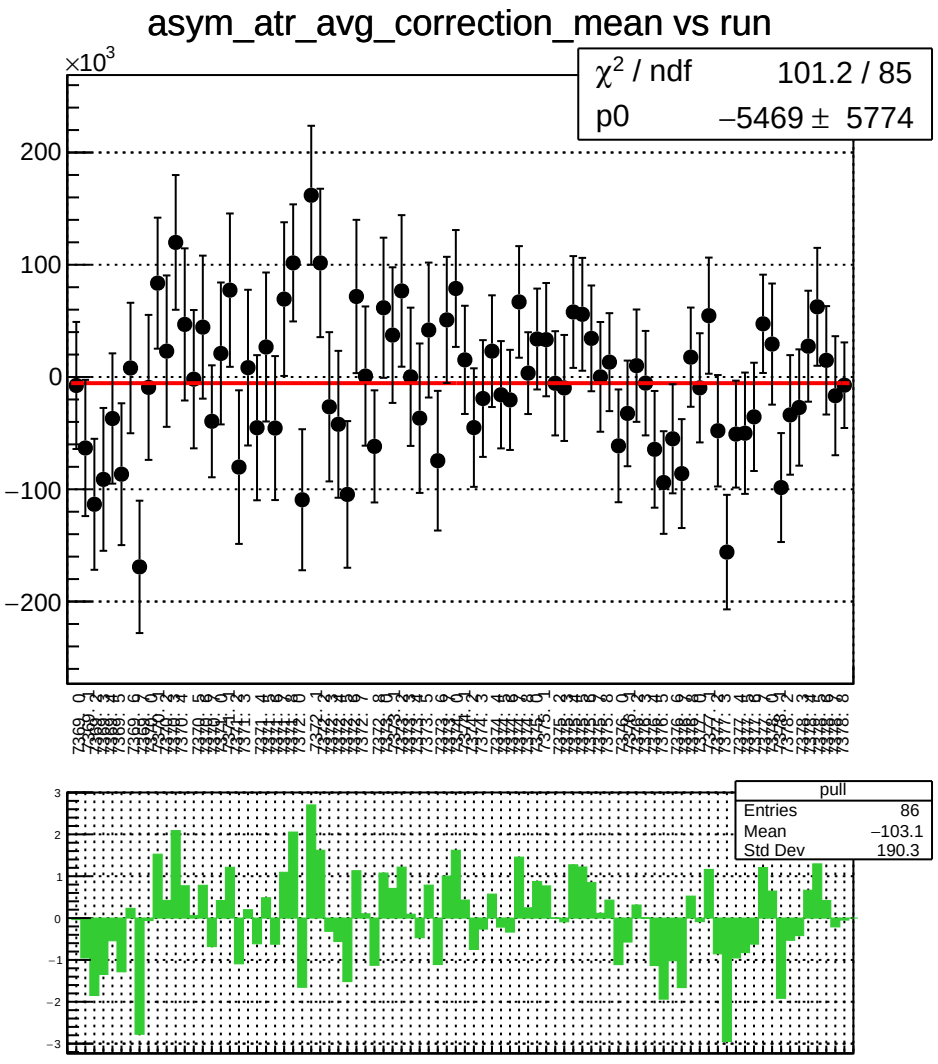

pull1D
Entries 86
Mean −0.001514
Std Dev 1.003
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

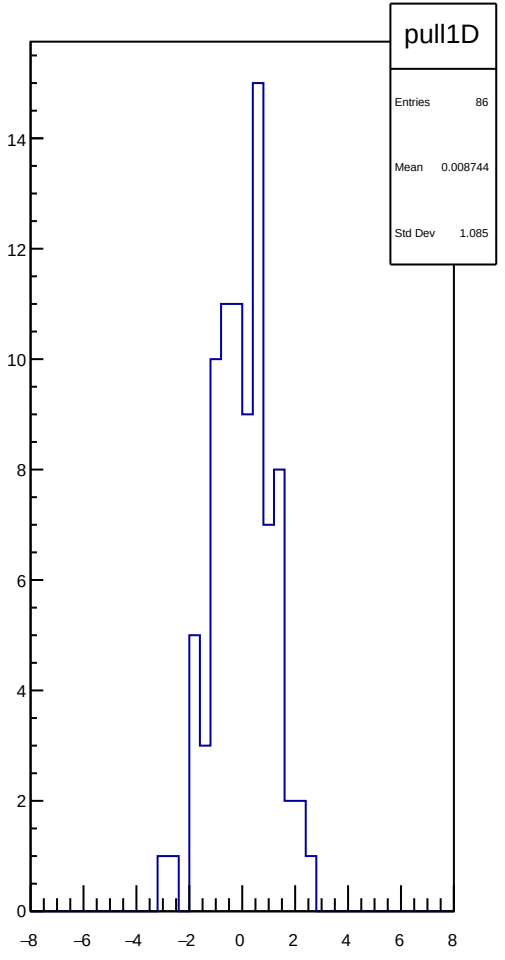

asym_atl_dd_rms vs run
$\chi^2$ / ndf 2.689e+04 / 85
p0 4265 ± 3.369
7500
7000
6500
6000
5500
5000
4500
4000
3500

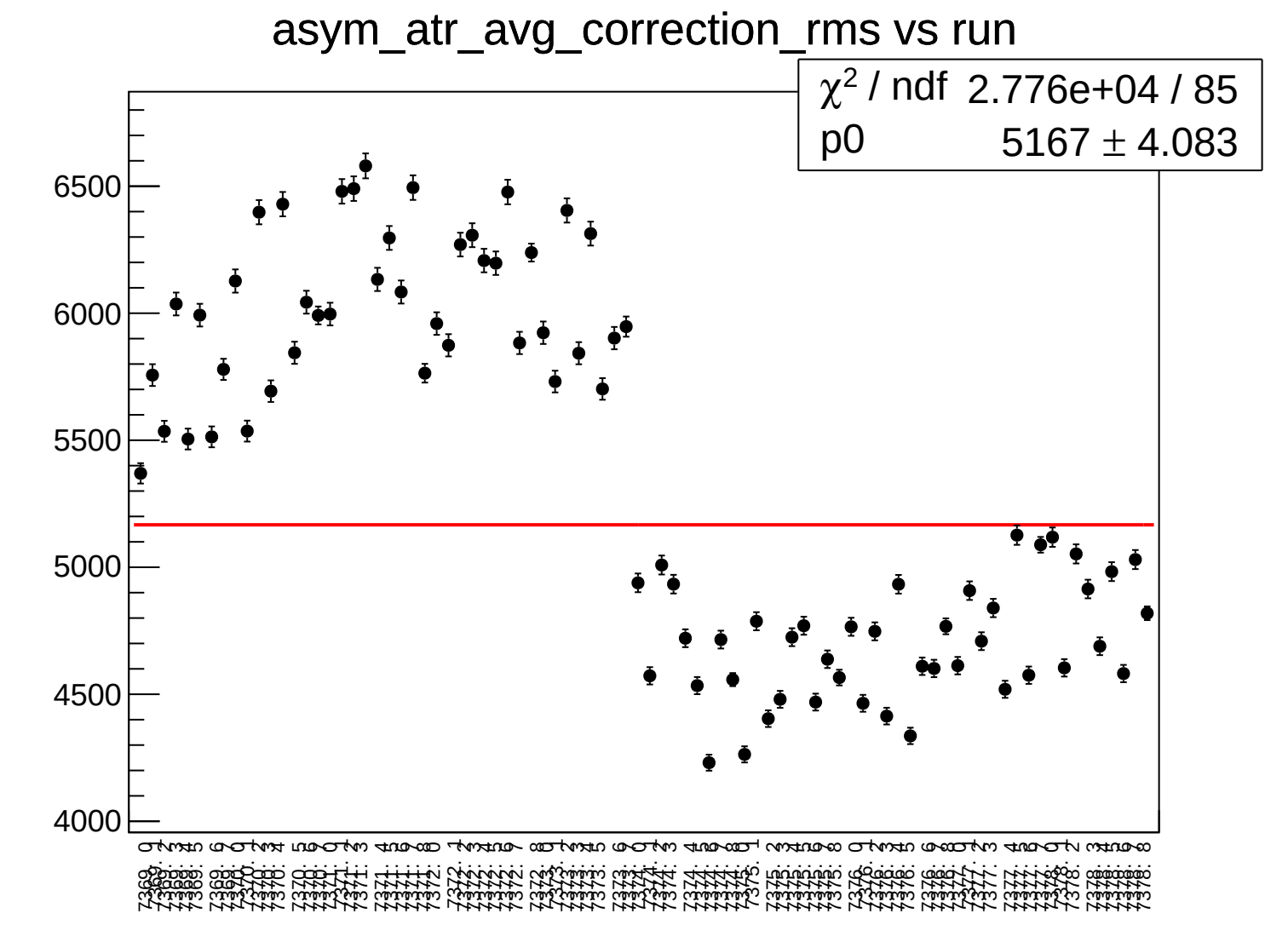

dit_asym_atr_avg_mean vs run
χ² / ndf 71.12 / 85
p0 1235 ± 2260
pull
Entries 86
Mean 282.8
Std Dev 195.4

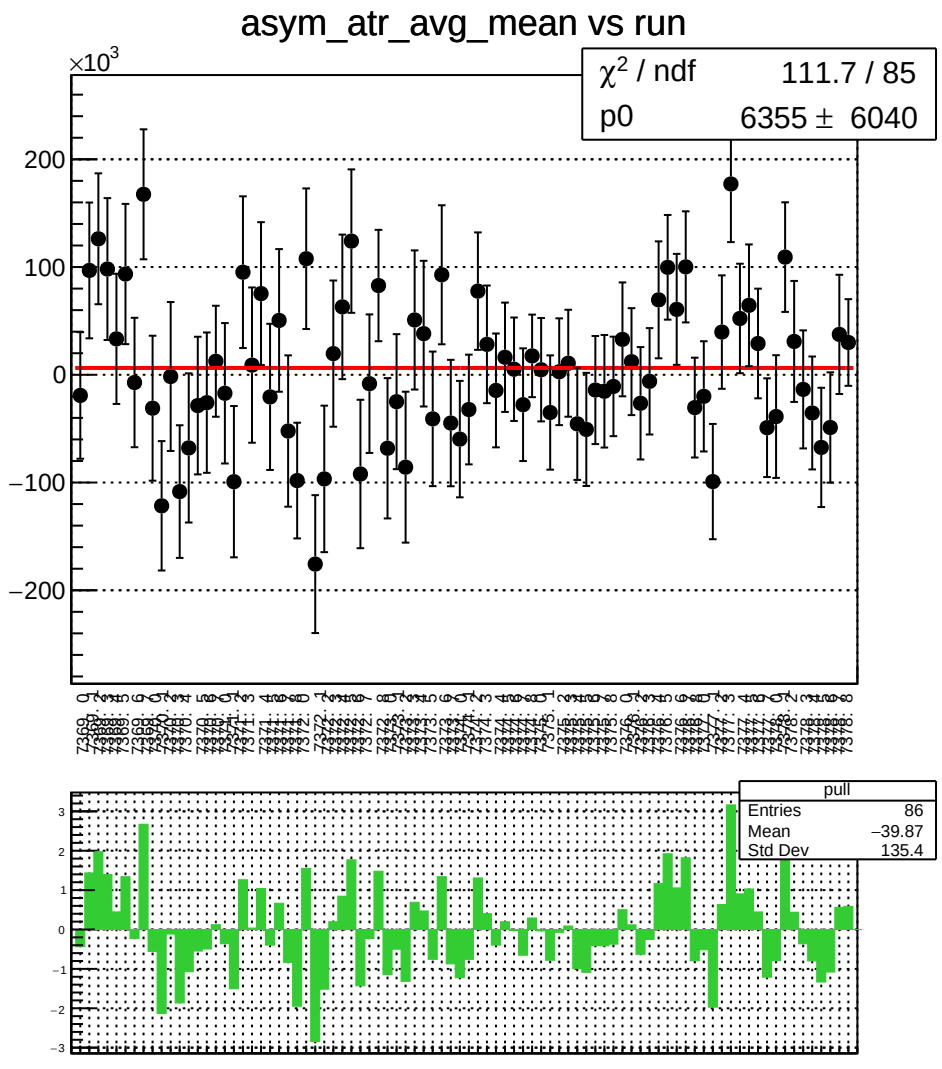

pull1D
Entries 86
Mean −0.005229
Std Dev 0.9094

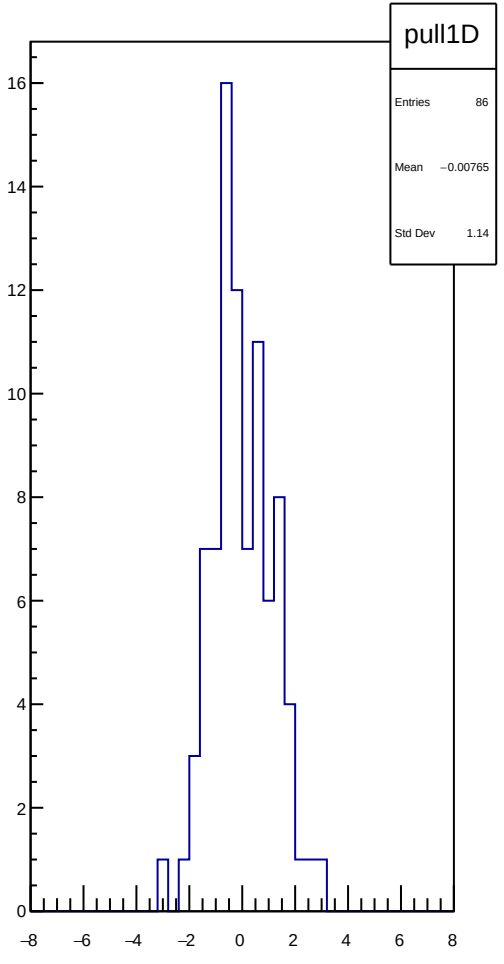

dit_asym_atr_avg_rms vs run
χ² / ndf 2758 / 85
p0 2039 ± 1.598
2300
2200
2100
2000
1900

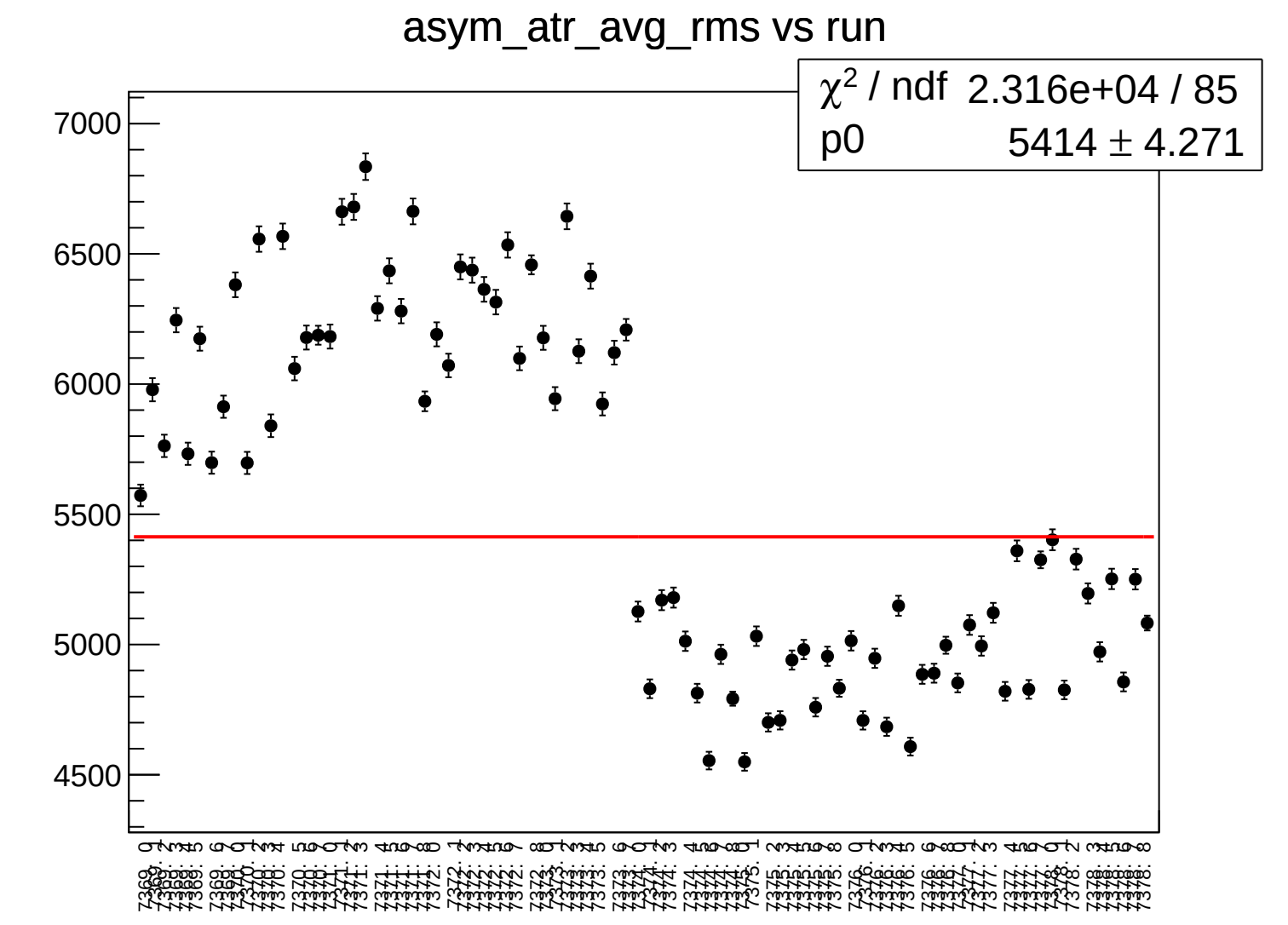

asym_atr_avg_correction_mean vs run
×10^3
χ² / ndf 101.2 / 85
p0 −5469 ± 5774
200
100
0
−100
−200
pull
Entries 86
Mean −103.1
Std Dev 190.3
3
2
1
0
−1
−2
−3

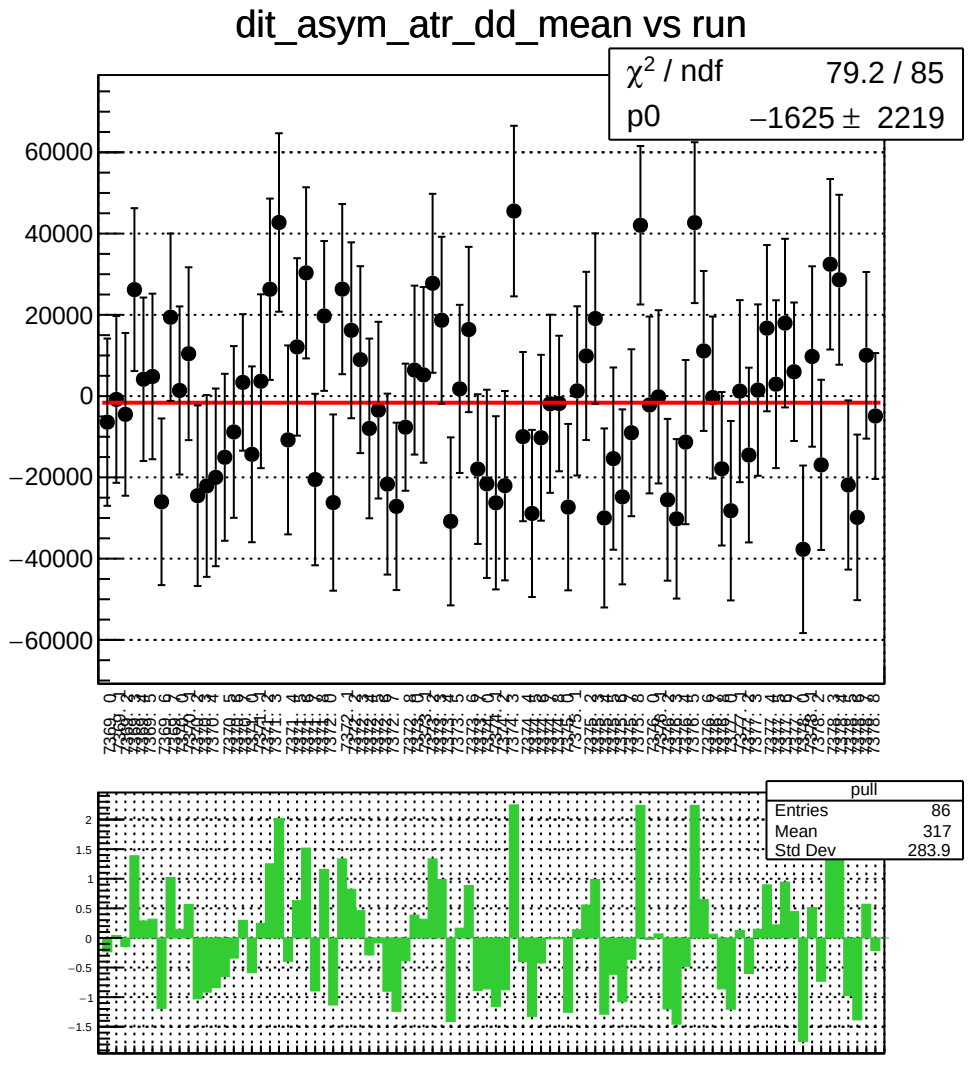

pull1D
Entries 86
Mean 0.008744
Std Dev 1.085
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

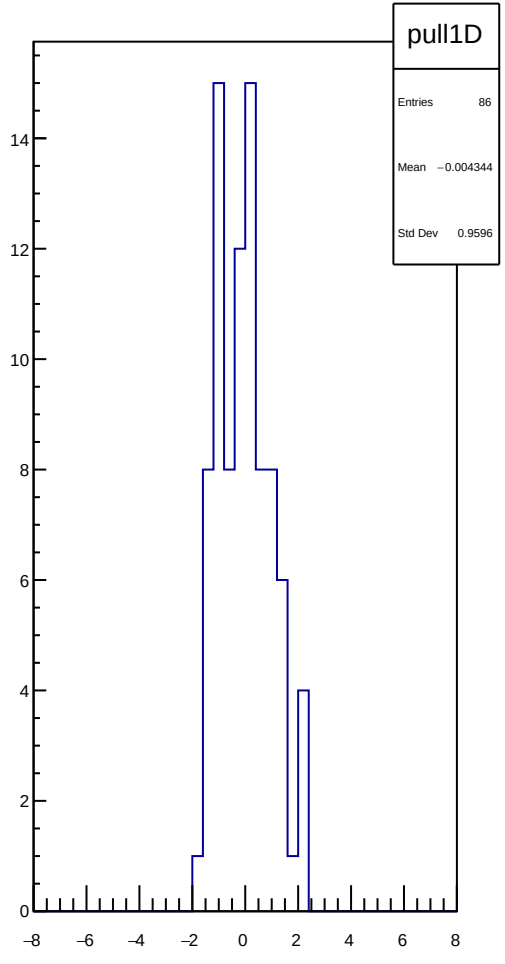

asym_atr_avg_correction_rms vs run
χ² / ndf 2.776e+04 / 85
p0 5167 ± 4.083
6500
6000
5500
5000
4500
4000

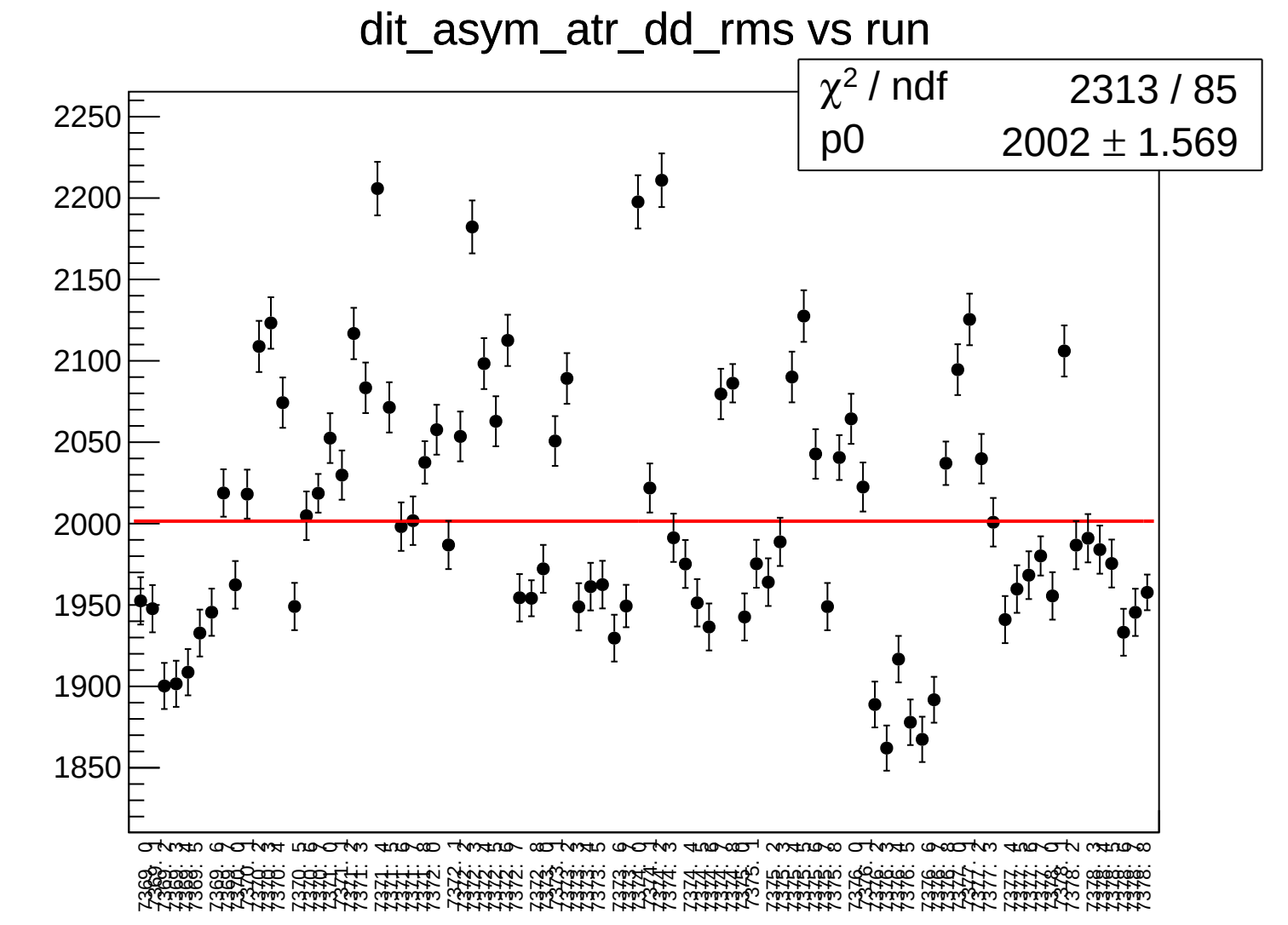

asym_atr_avg_mean vs run
×10^3
χ² / ndf 111.7 / 85
p0 6355 ± 6040
200
100
0
−100
−200
pull
Entries 86
Mean −39.87
Std Dev 135.4
3
2
1
0
−1
−2
−3

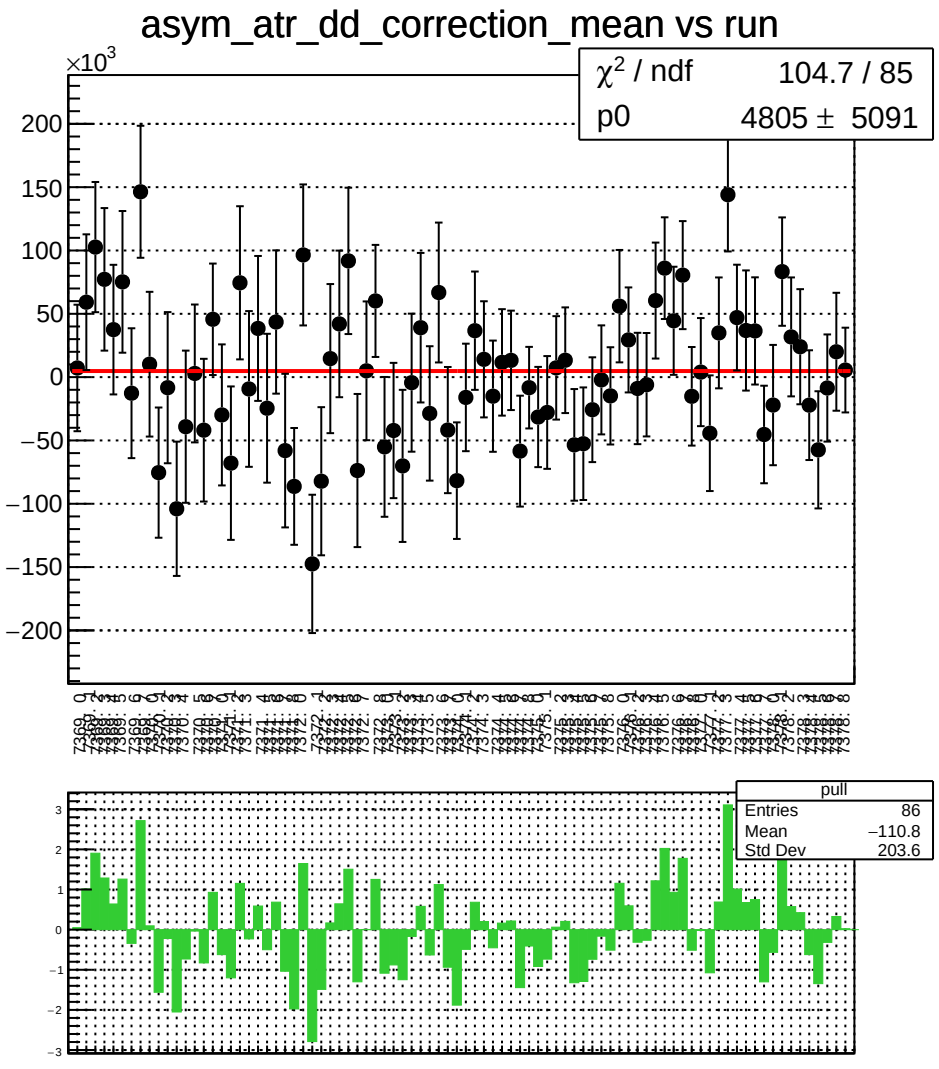

pull1D
Entries 86
Mean −0.00765
Std Dev 1.14
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

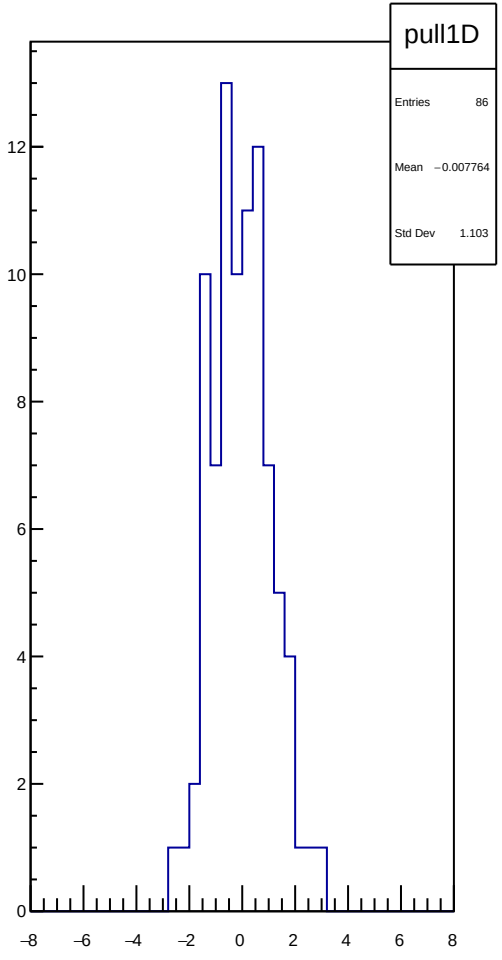

asym_atr_avg_rms vs run
χ² / ndf 2.316e+04 / 85
p0 5414 ± 4.271
7000
6500
6000
5500
5000
4500

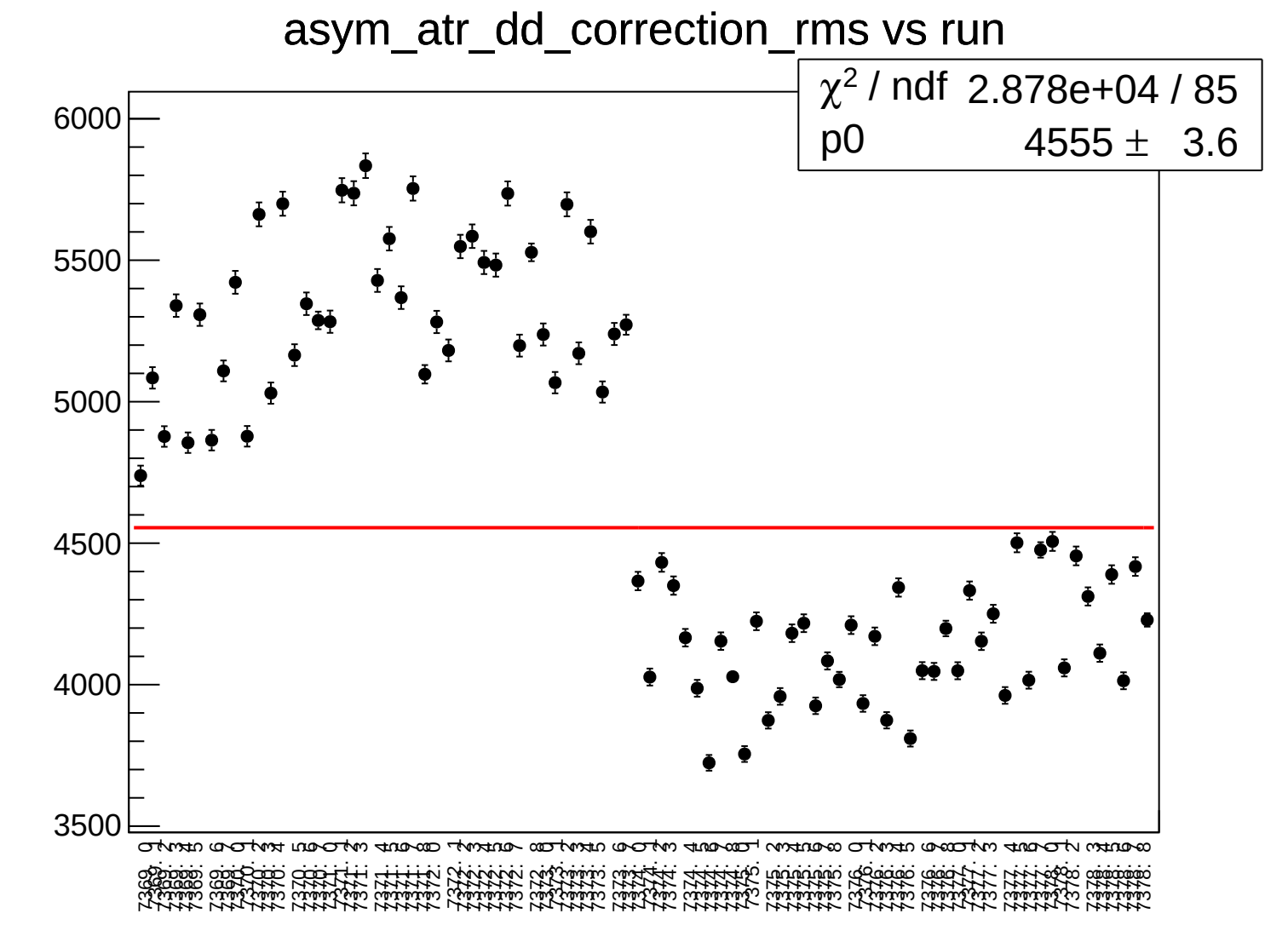

dit_asym_atr_dd_mean vs run
χ² / ndf 79.2 / 85
p0 −1625 ± 2219
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean 317
Std Dev 283.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

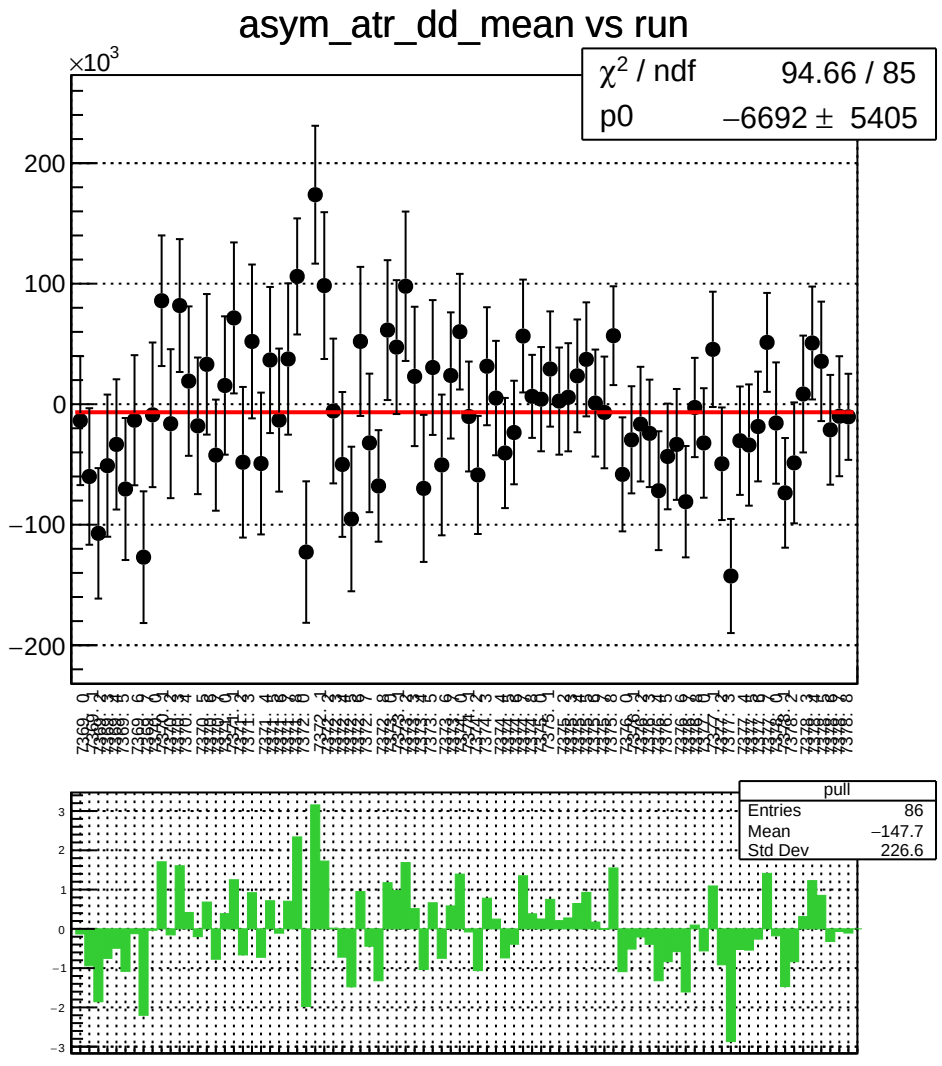

pull1D
Entries 86
Mean −0.004344
Std Dev 0.9596
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

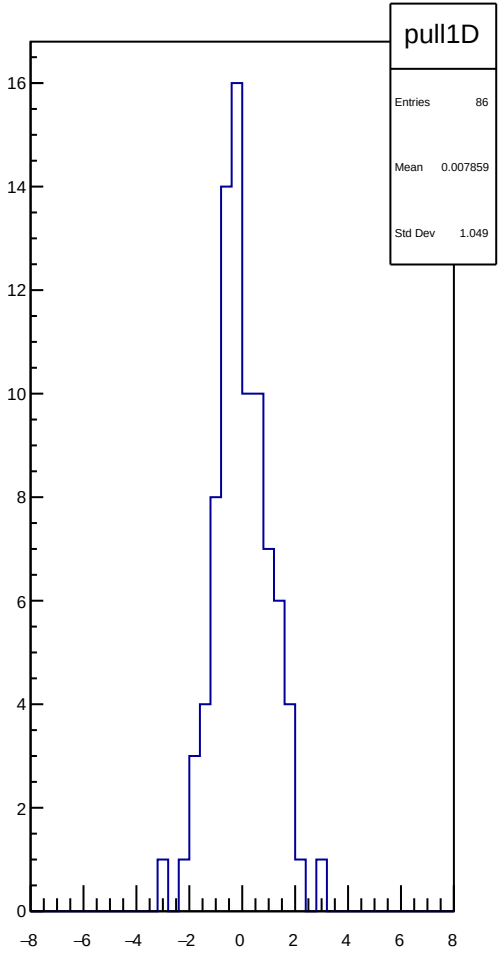

dit_asym_atr_dd_rms vs run
χ² / ndf 2313 / 85
p0 2002 ± 1.569
2250
2200
2150
2100
2050
2000
1950
1900
1850

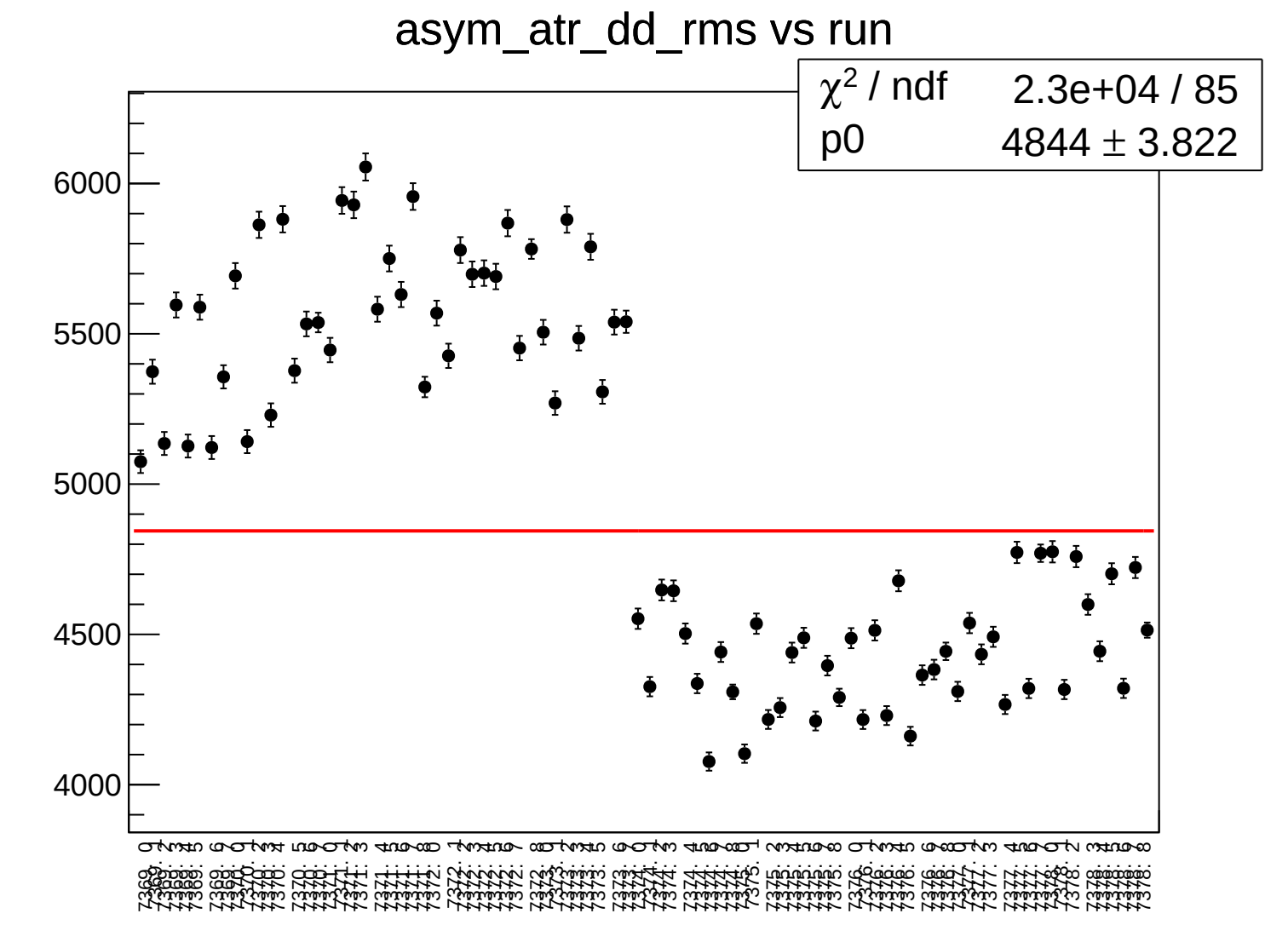

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 104.7 / 85
p0 4805 ± 5091
200
150
100
50
0
−50
−100
−150
−200
pull
Entries 86
Mean −110.8
Std Dev 203.6
3
2
1
0
−1
−2
−3

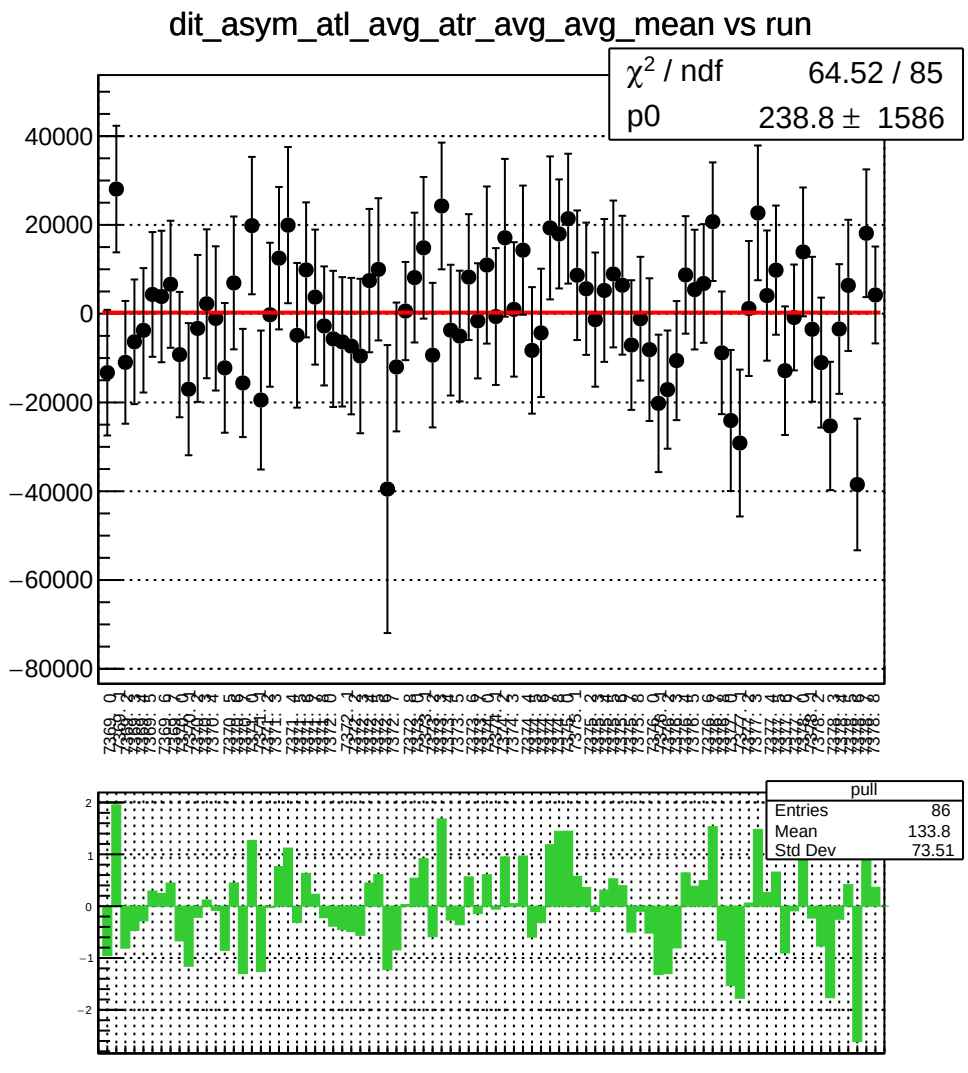

pull1D
Entries 86
Mean −0.007764
Std Dev 1.103
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

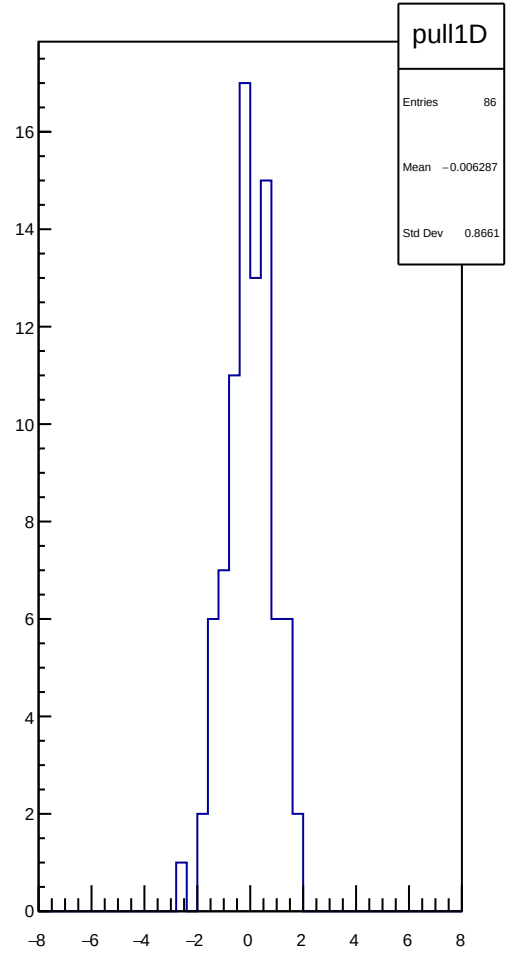

asym_atr_dd_correction_rms vs run
χ² / ndf 2.878e+04 / 85
p0 4555 ± 3.6
6000
5500
5000
4500
4000
3500

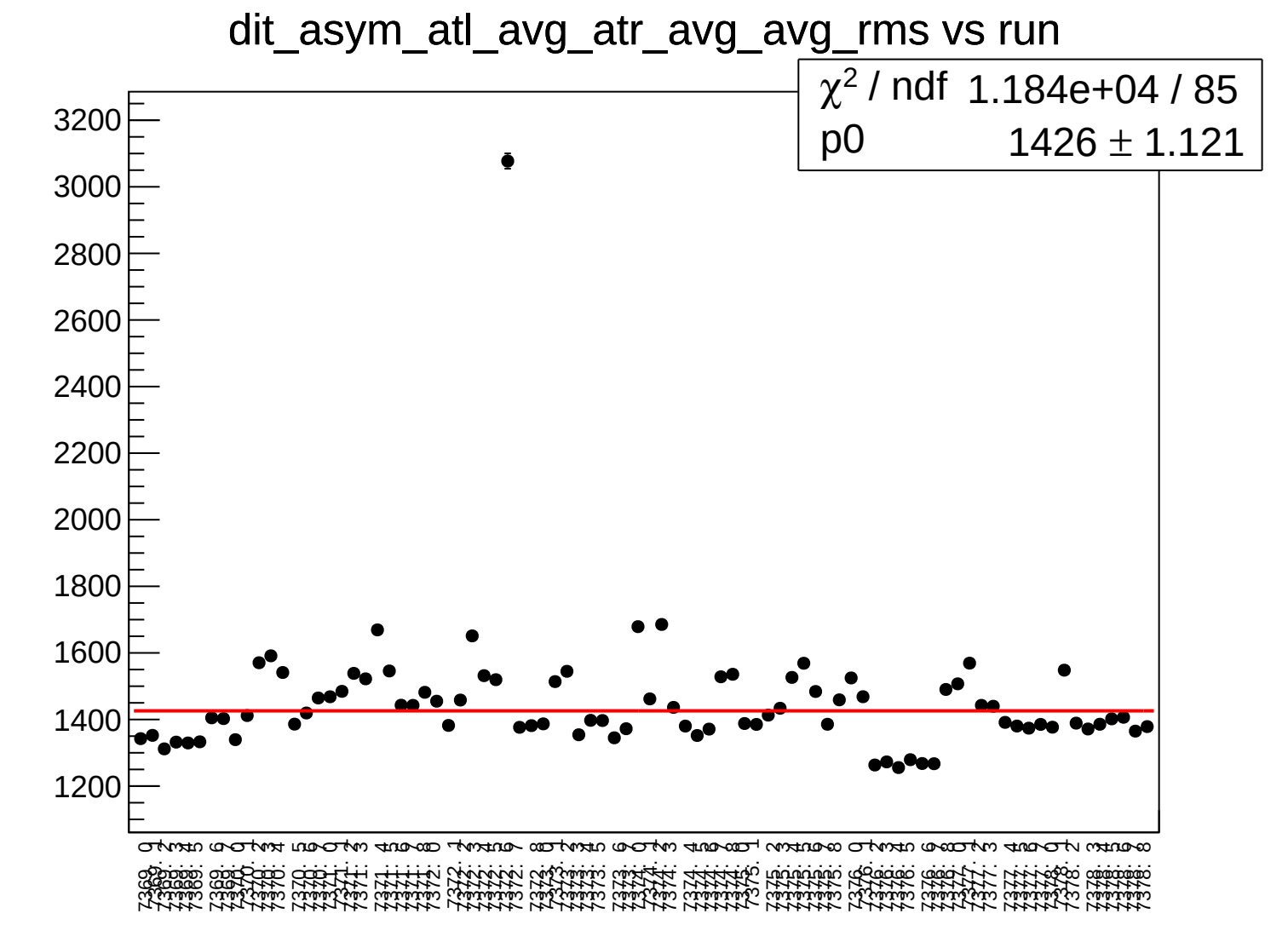

asym_atr_dd_mean vs run
×10^3
χ² / ndf 94.66 / 85
p0 −6692 ± 5405
200
100
0
−100
−200
pull
Entries 86
Mean −147.7
Std Dev 226.6
3
2
1
0
−1
−2
−3

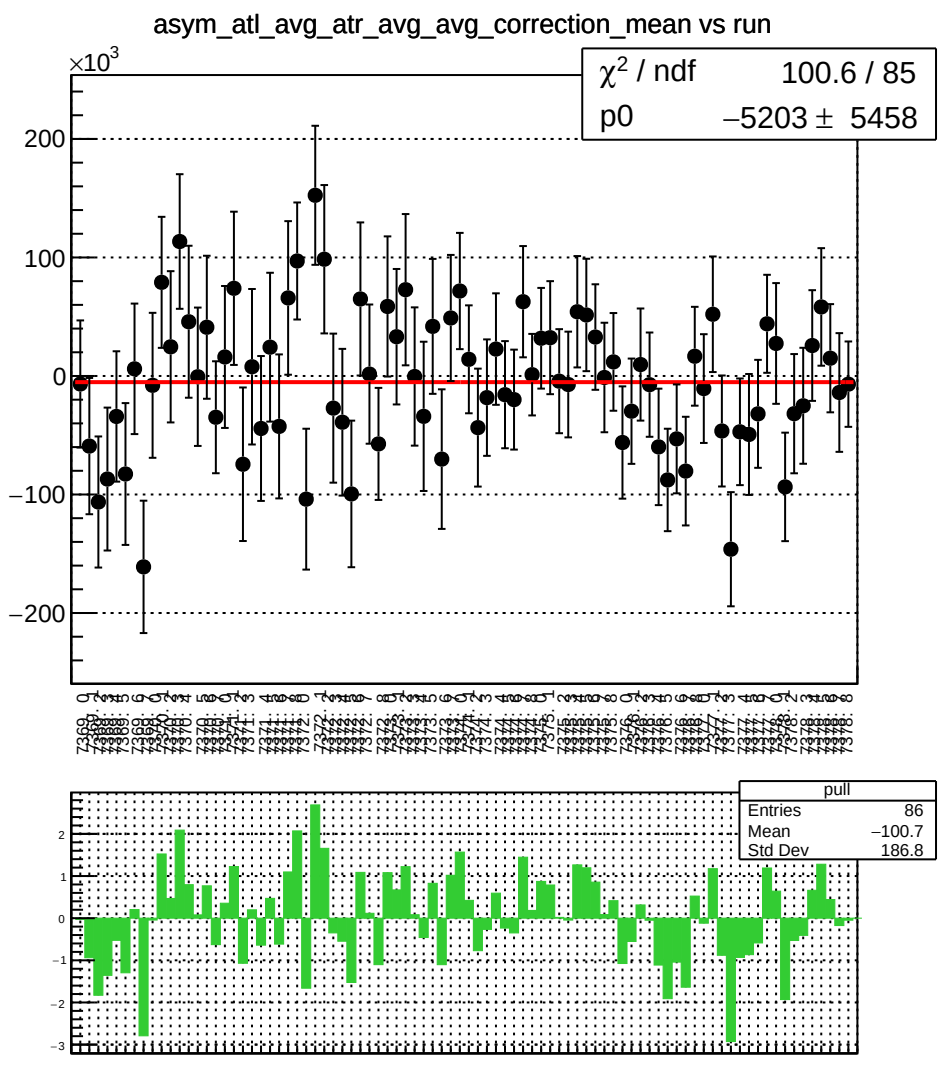

pull1D
Entries 86
Mean 0.007859
Std Dev 1.049
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

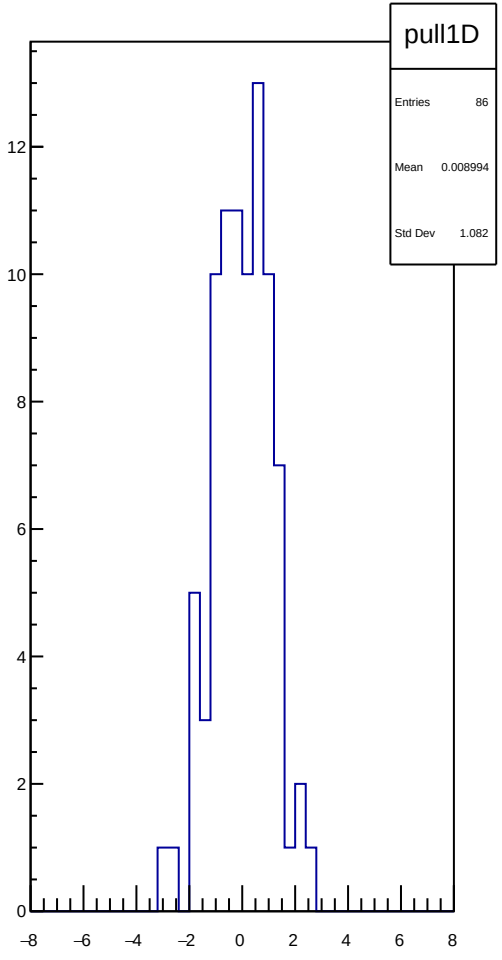

asym_atr_dd_rms vs run
χ² / ndf 2.3e+04 / 85
p0 4844 ± 3.822
6000
5500
5000
4500
4000

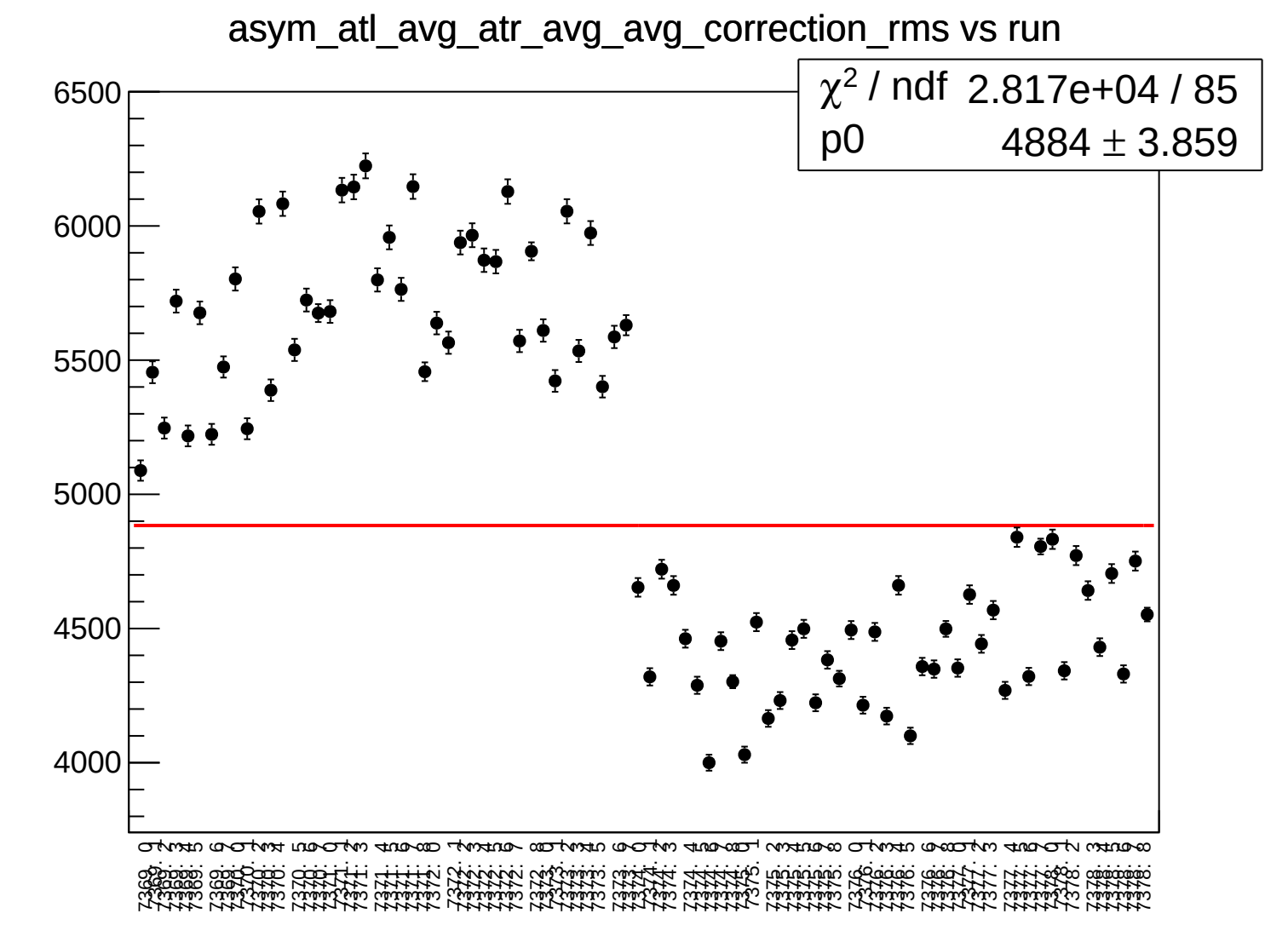

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 64.52 / 85
p0 238.8 ± 1586
pull
Entries 86
Mean 133.8
Std Dev 73.51

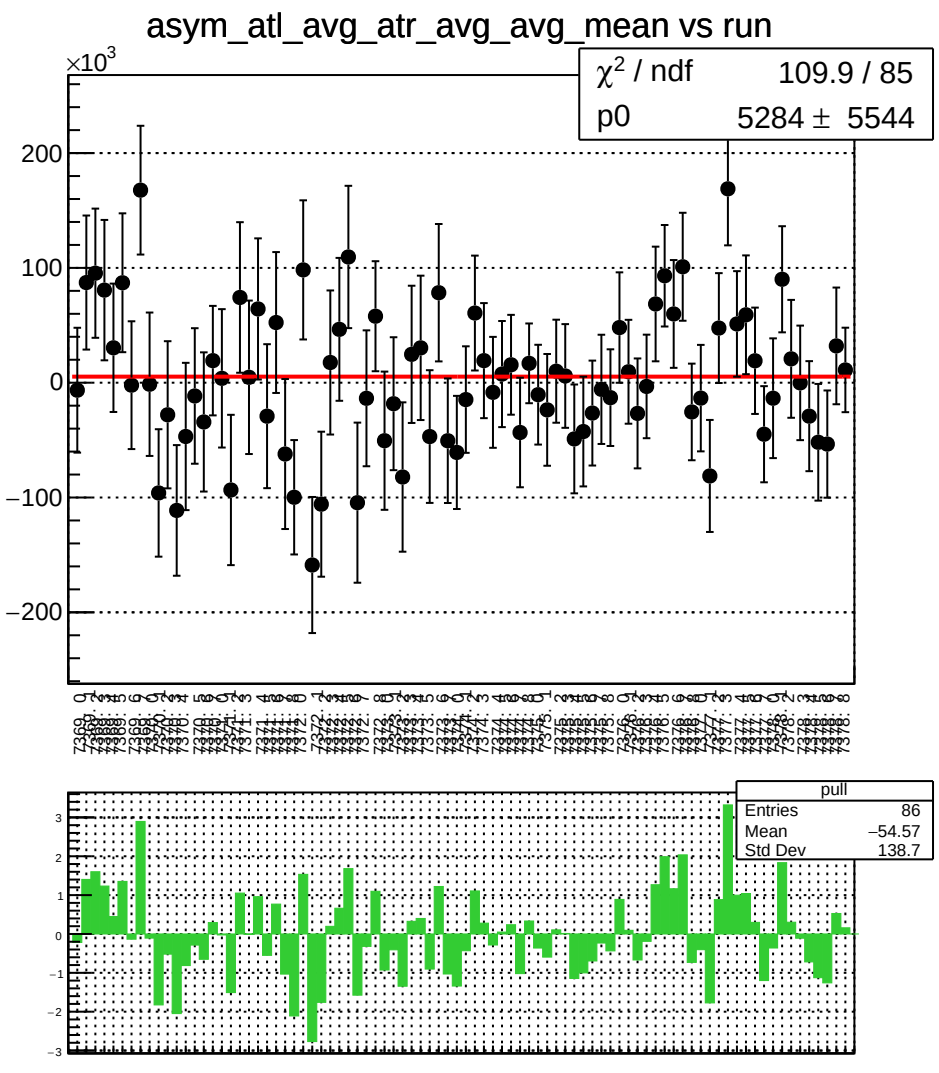

pull1D
Entries 86
Mean −0.006287
Std Dev 0.8661

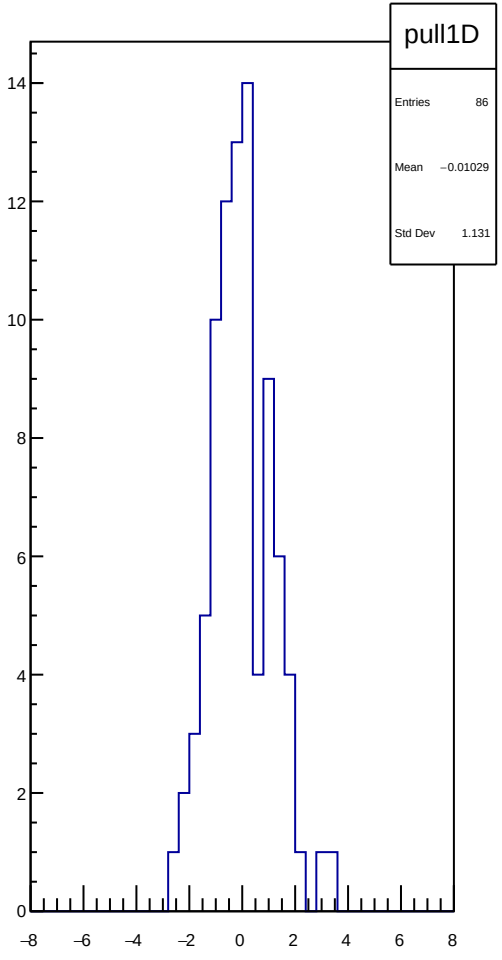

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1.184e+04 / 85
p0 1426 ± 1.121
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

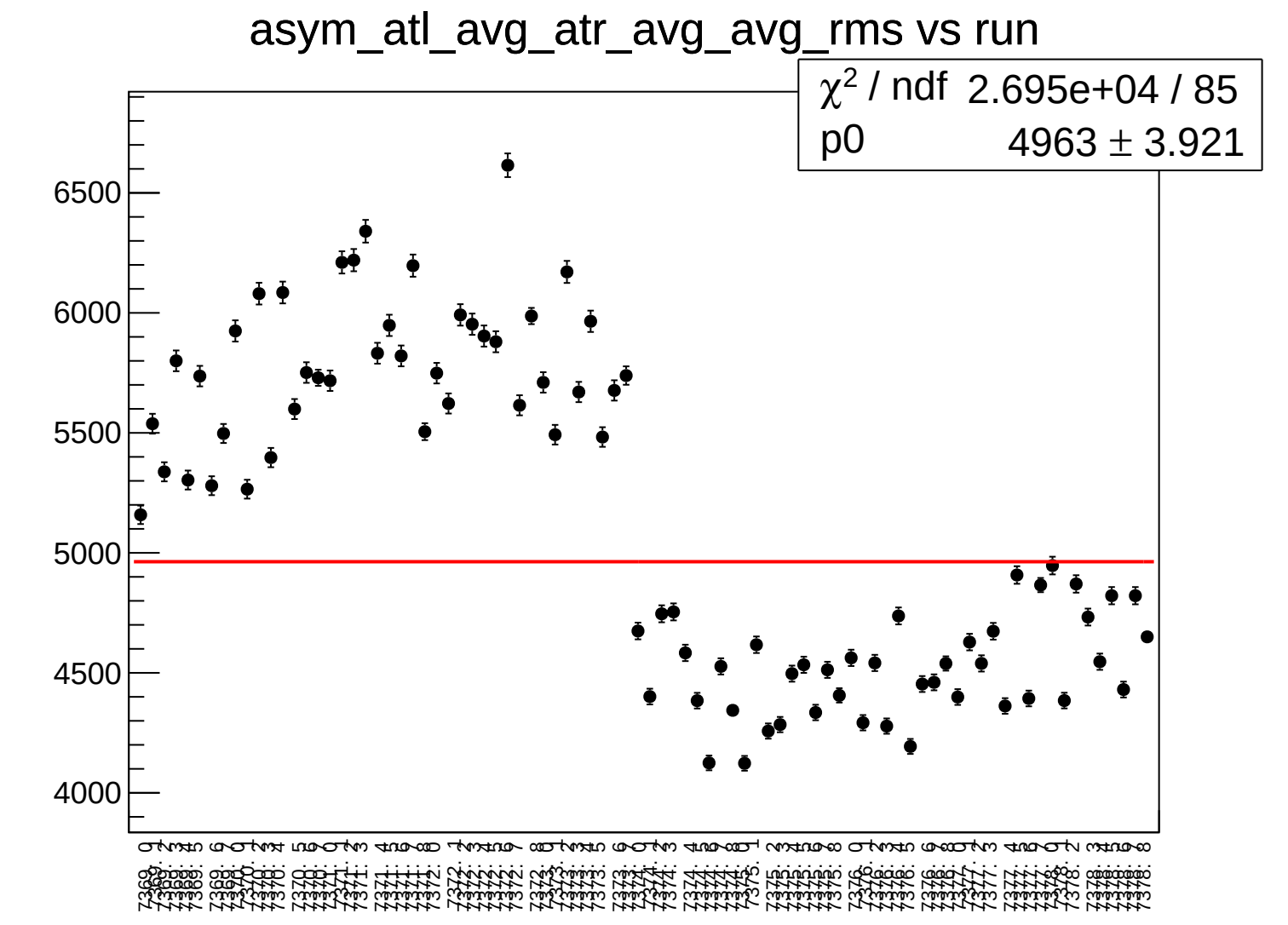

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ² / ndf 100.6 / 85
p0 −5203 ± 5458
200
100
0
−100
−200
pull
Entries 86
Mean −100.7
Std Dev 186.8
2
1
0
−1
−2
−3

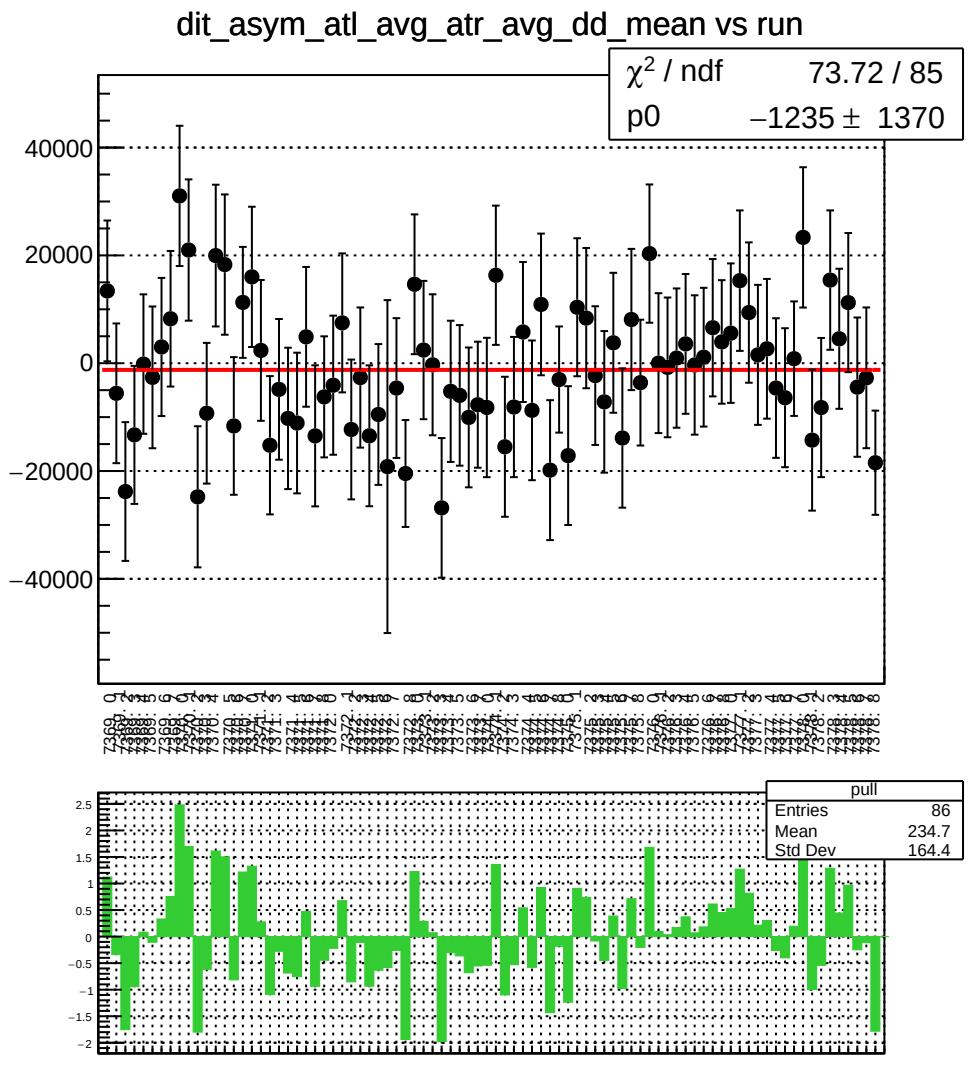

pull1D
Entries 86
Mean 0.008994
Std Dev 1.082
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

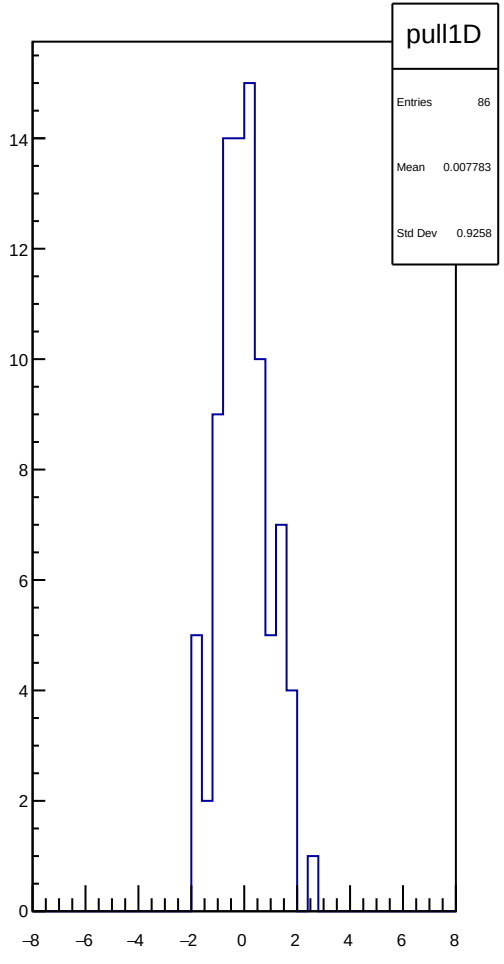

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ² / ndf 2.817e+04 / 85
p0 4884 ± 3.859
6500
6000
5500
5000
4500
4000

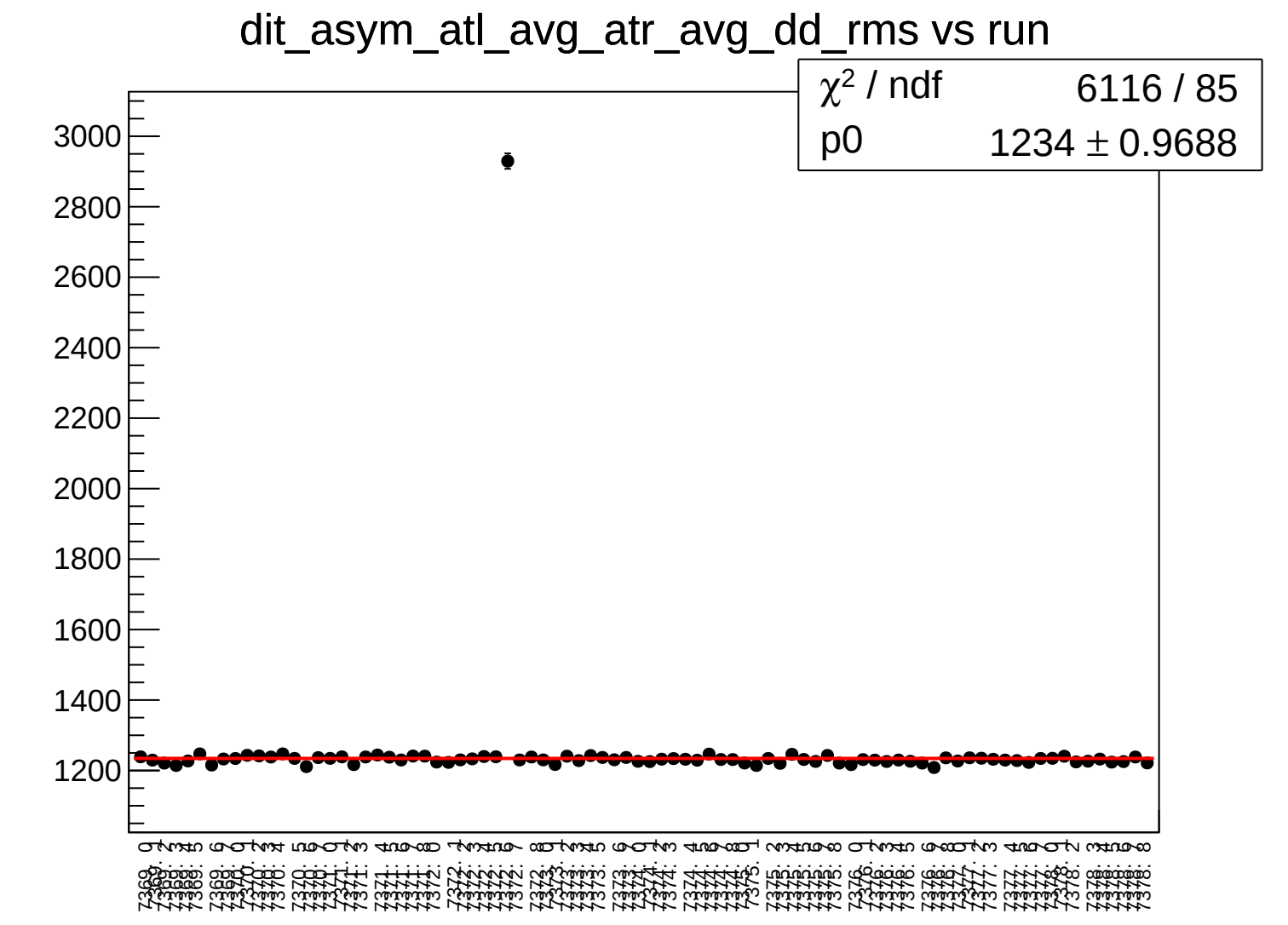

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 109.9 / 85
p0 5284 ± 5544
200
100
0
−100
−200
pull
Entries 86
Mean −54.57
Std Dev 138.7
3
2
1
0
−1
−2
−3

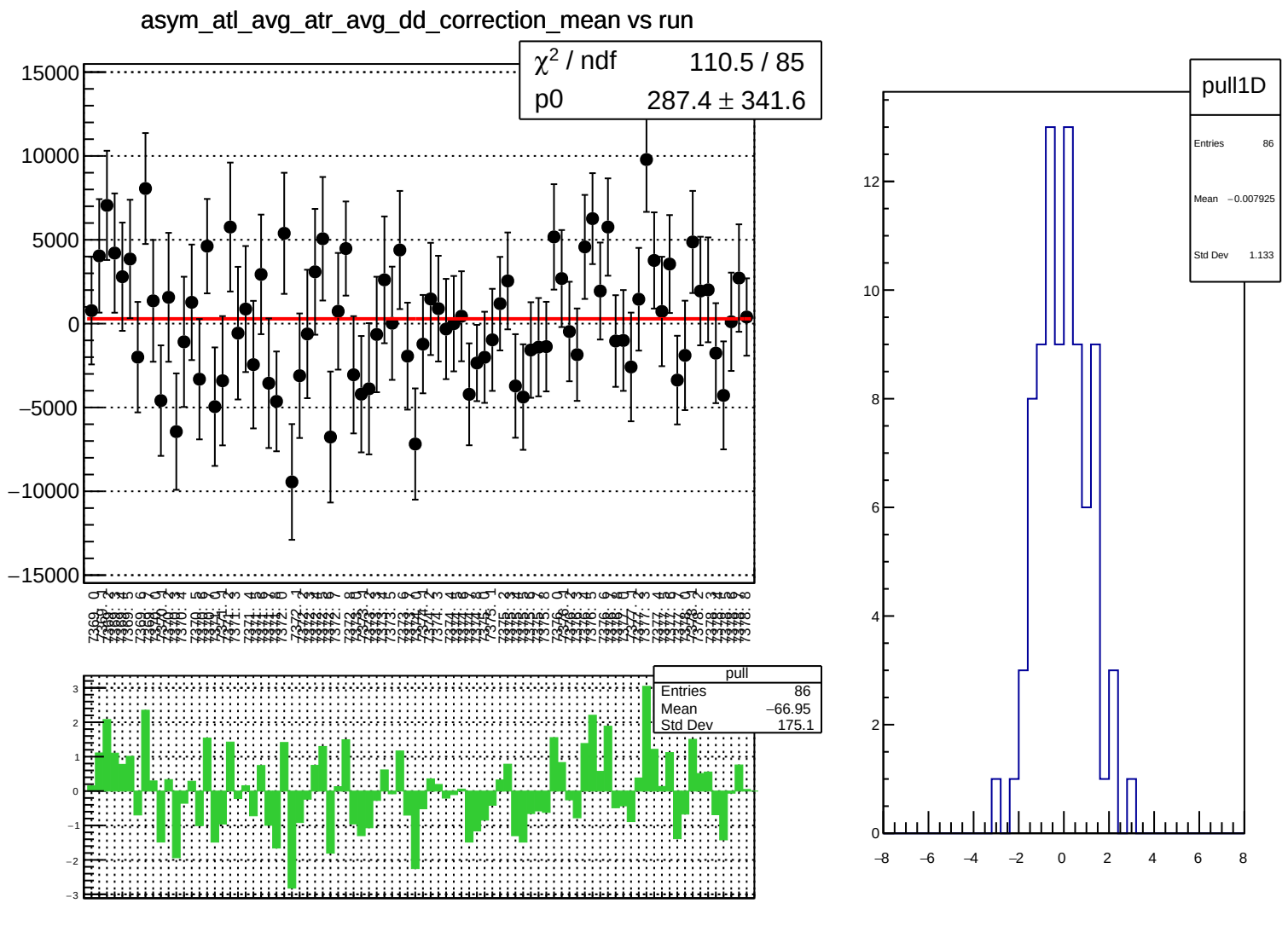

pull1D
Entries 86
Mean −0.01029
Std Dev 1.131
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

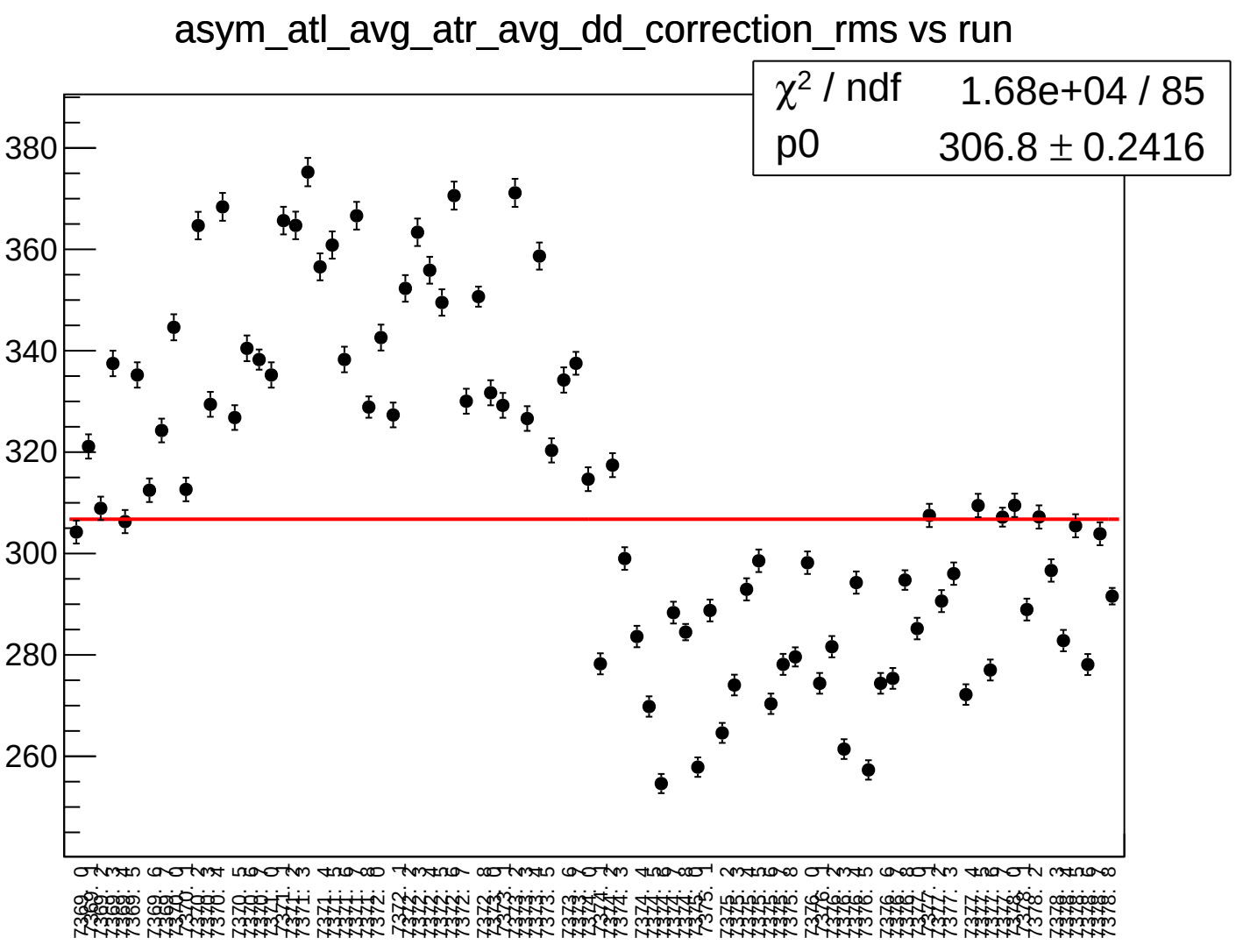

asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 2.695e+04 / 85
p0 4963 ± 3.921
6500
6000
5500
5000
4500
4000

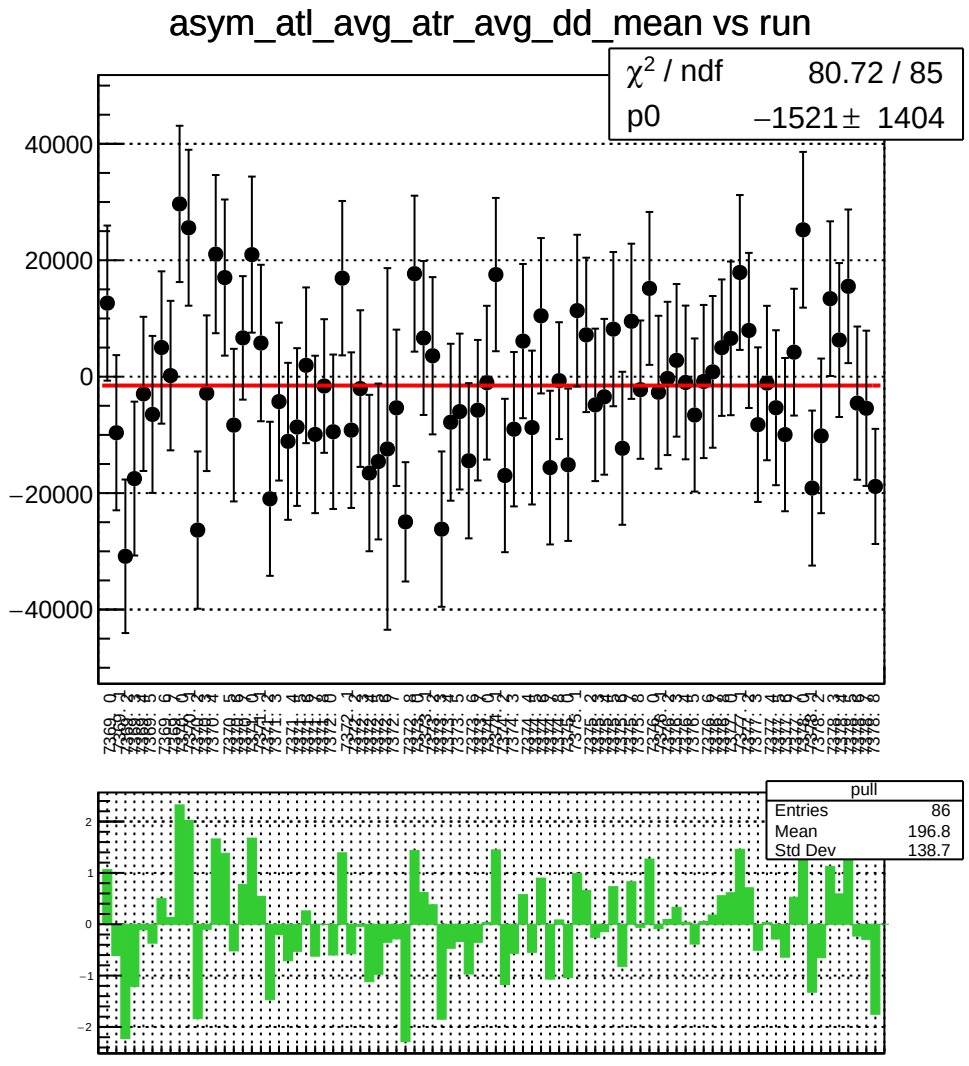

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 73.72 / 85
p0 −1235 ± 1370
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 234.7
Std Dev 164.4
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

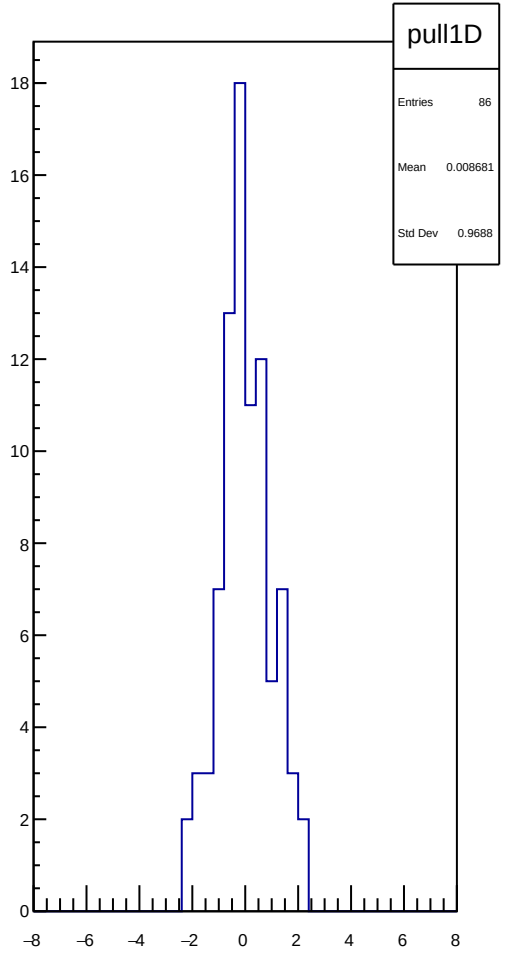

pull1D
Entries 86
Mean 0.007783
Std Dev 0.9258
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

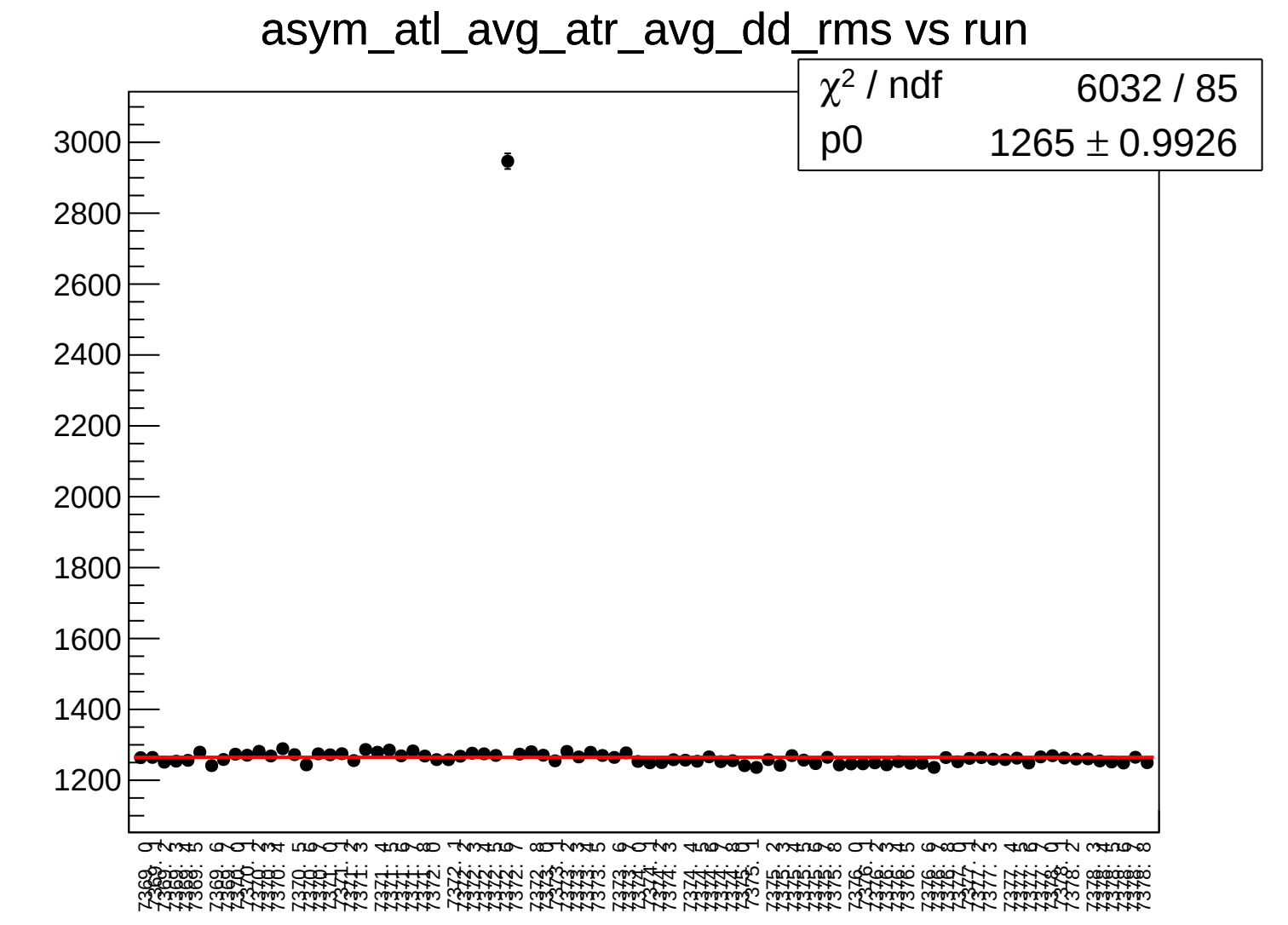

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6116 / 85
p0 1234 ± 0.9688
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

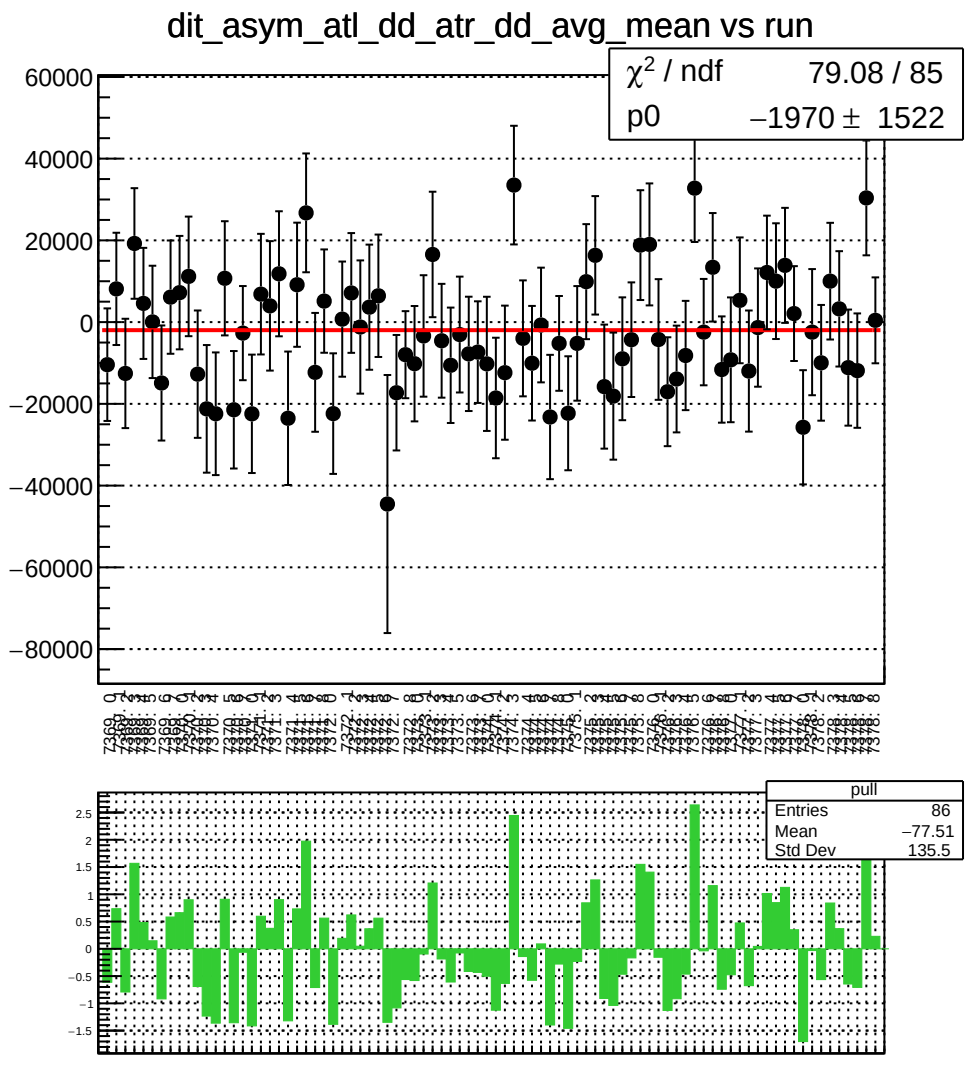

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ² / ndf 110.5 / 85
p0 287.4 ± 341.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −66.95
Std Dev 175.1
3
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.007925
Std Dev 1.133
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

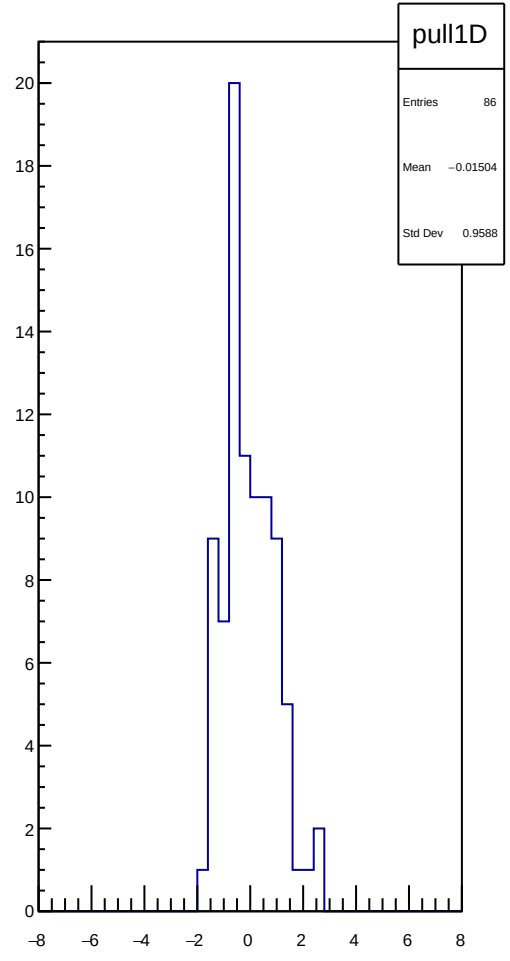

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 1.68e+04 / 85
p0 306.8 ± 0.2416
380
360
340
320
300
280
260

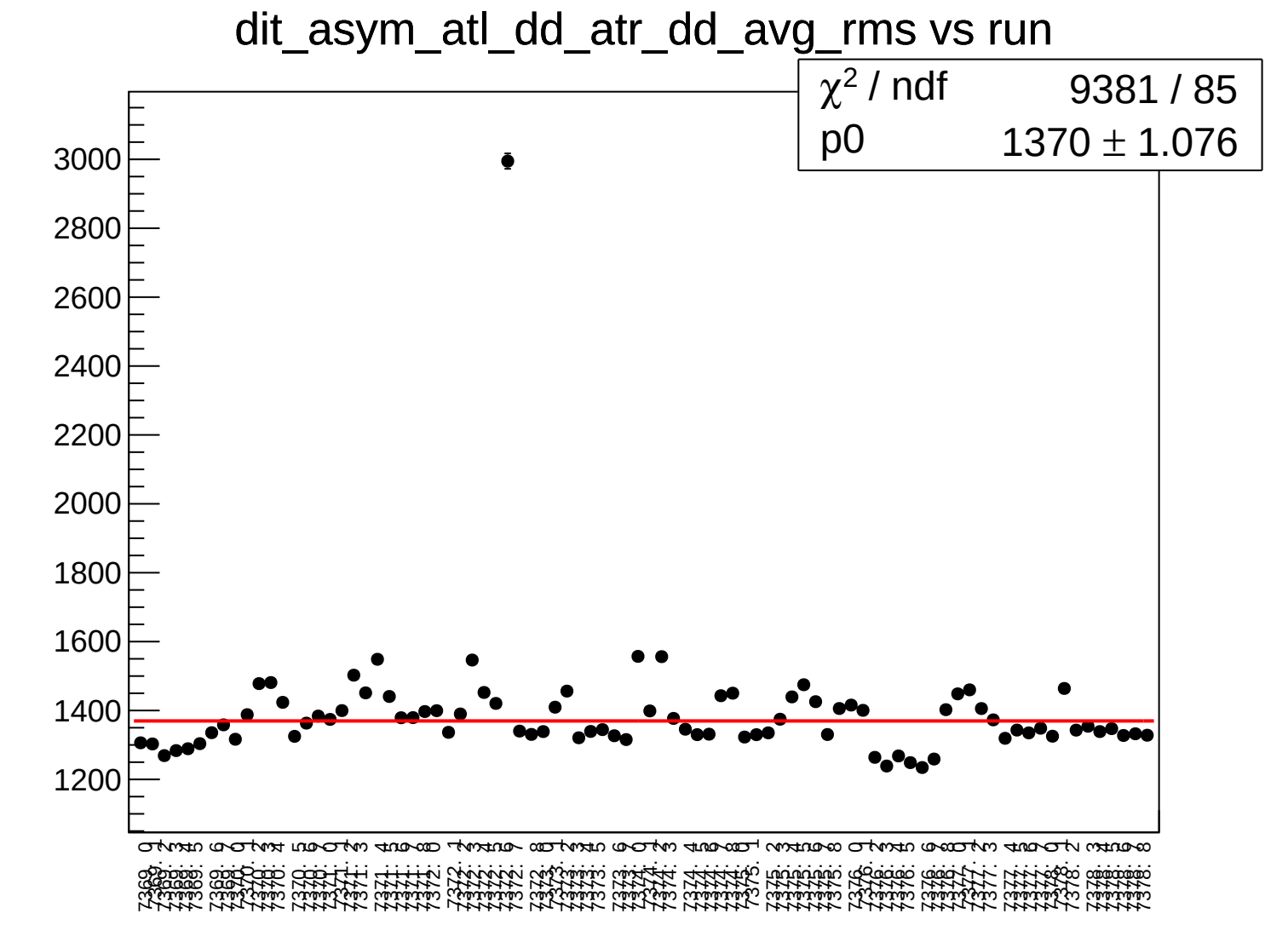

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 80.72 / 85
p0 −1521 ± 1404
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 196.8
Std Dev 138.7
2
1
0
−1
−2

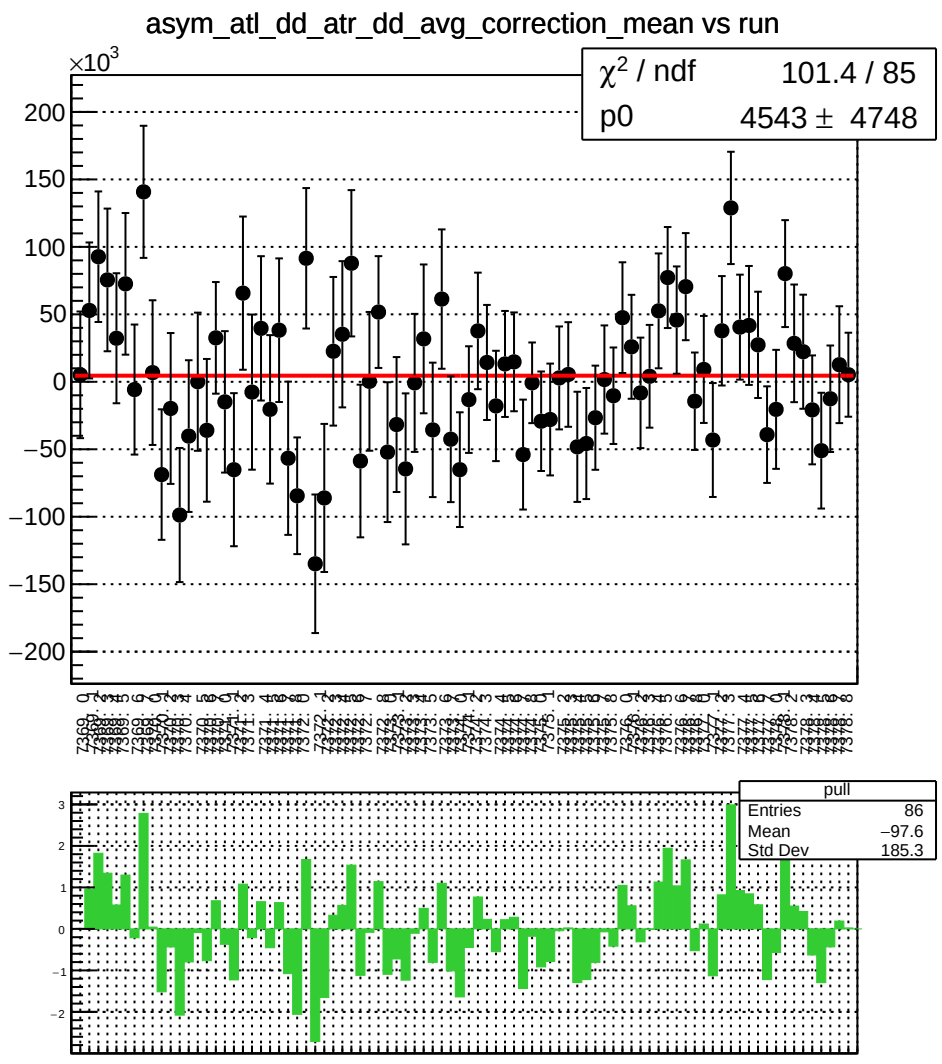

pull1D
Entries 86
Mean 0.008681
Std Dev 0.9688
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

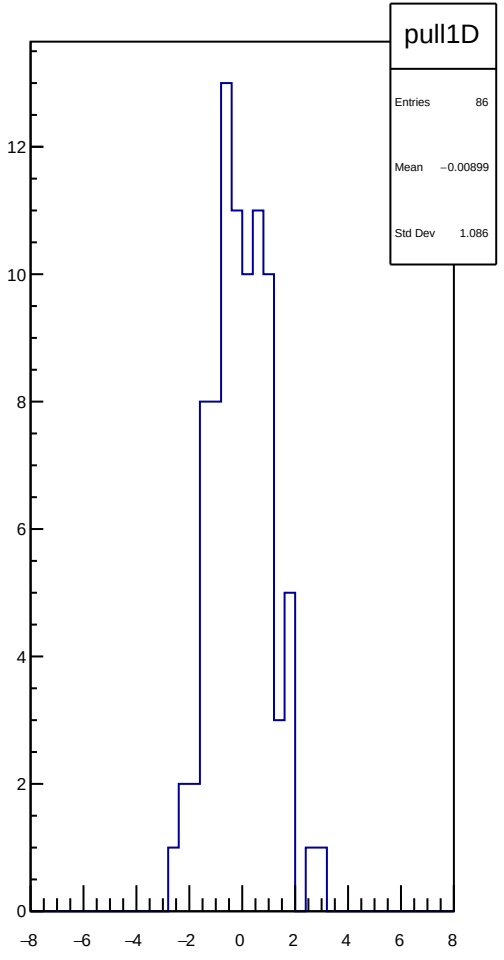

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 6032 / 85
p0 1265 ± 0.9926
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

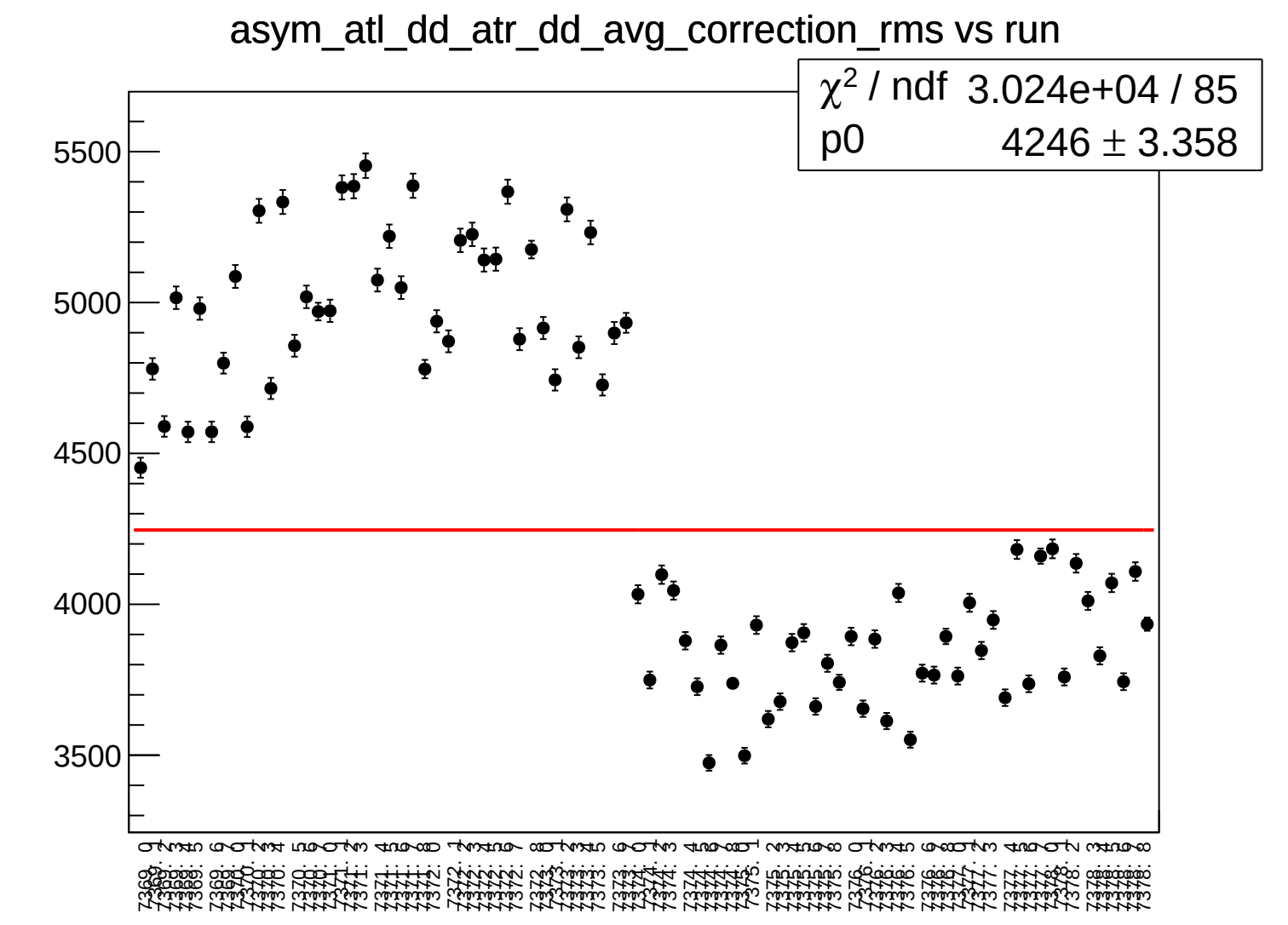

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 79.08 / 85
p0 −1970 ± 1522
pull
Entries 86
Mean −77.51
Std Dev 135.5

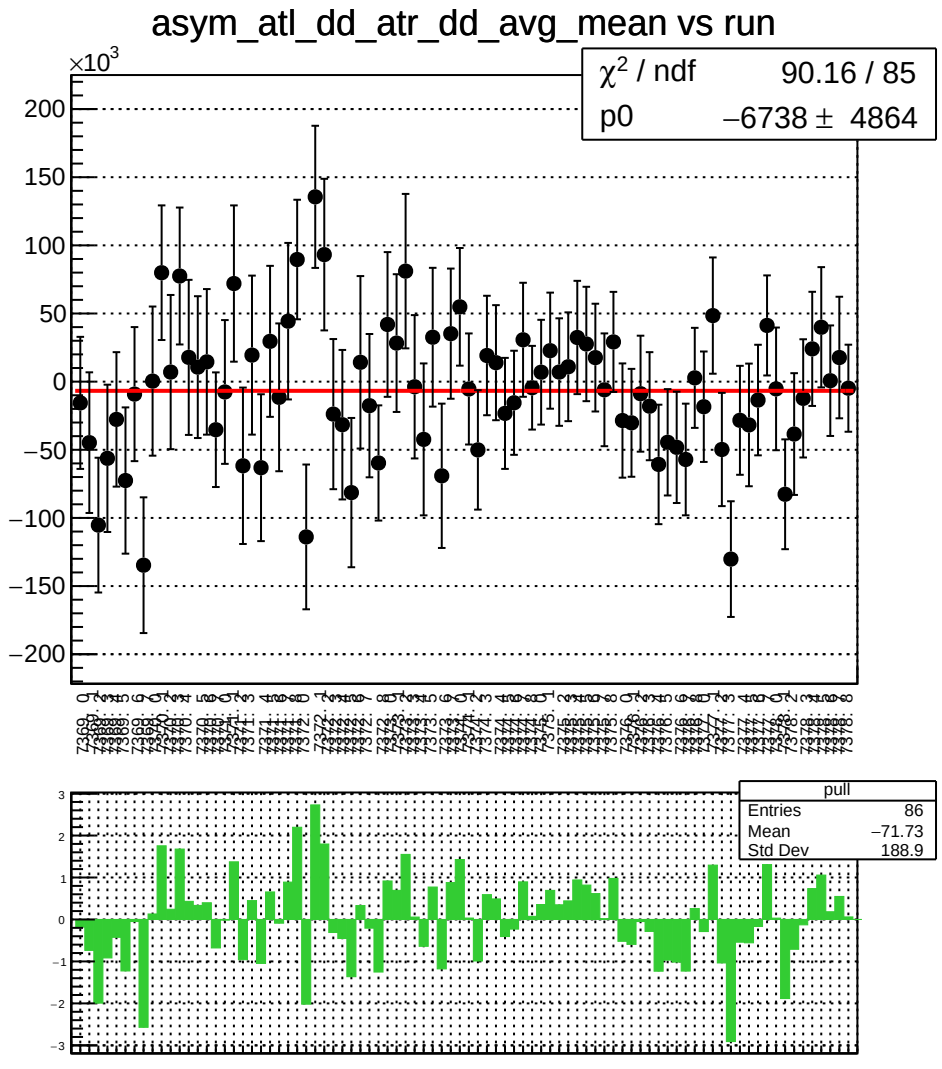

pull1D
Entries 86
Mean −0.01504
Std Dev 0.9588

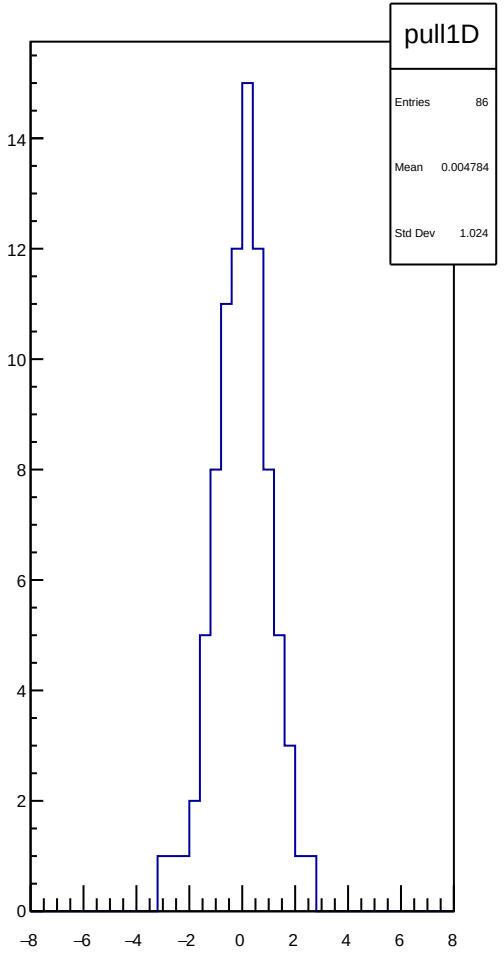

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 9381 / 85
p0 1370 ± 1.076
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

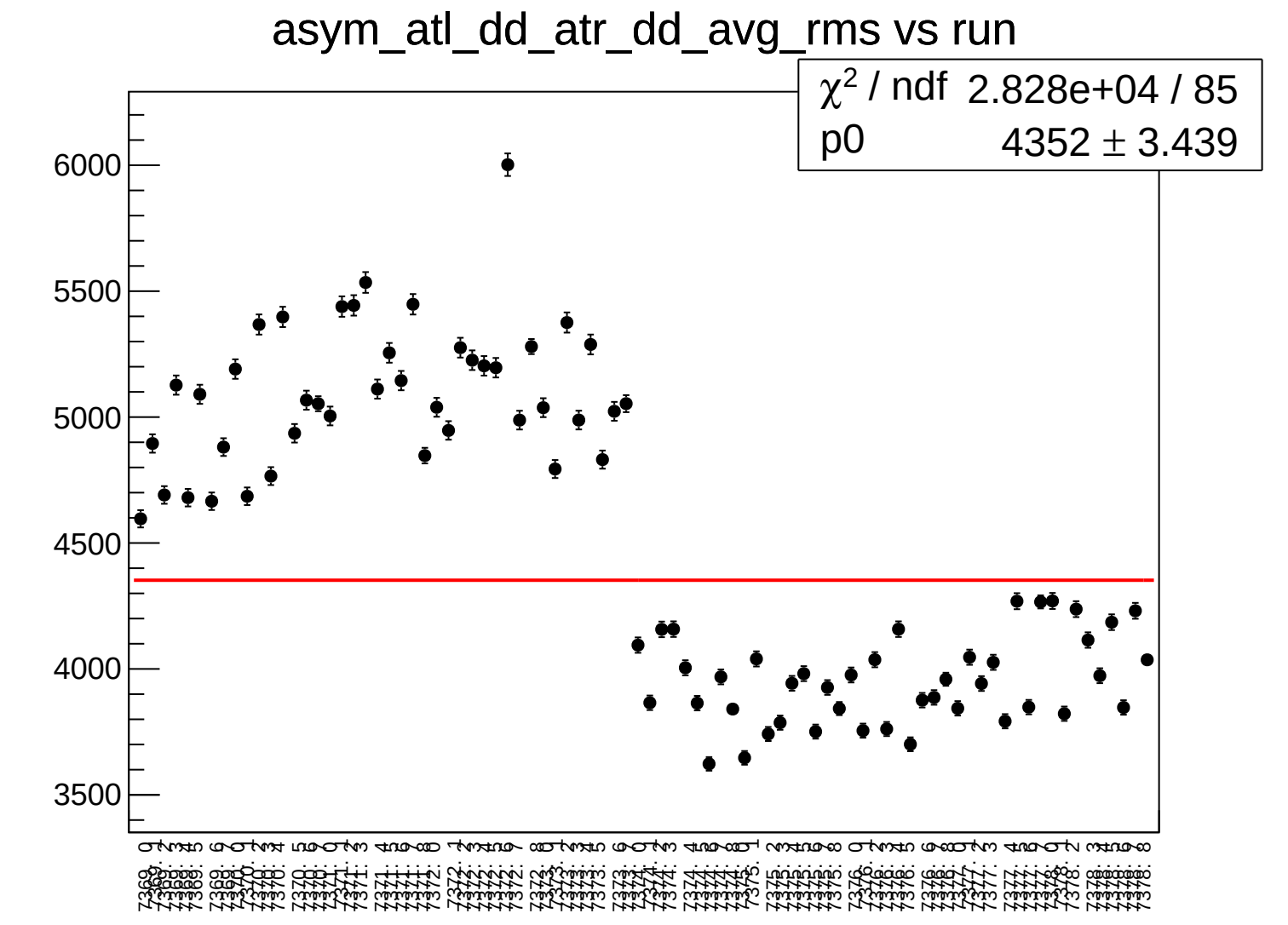

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 101.4 / 85
p0 4543 ± 4748
pull
Entries 86
Mean −97.6
Std Dev 185.3

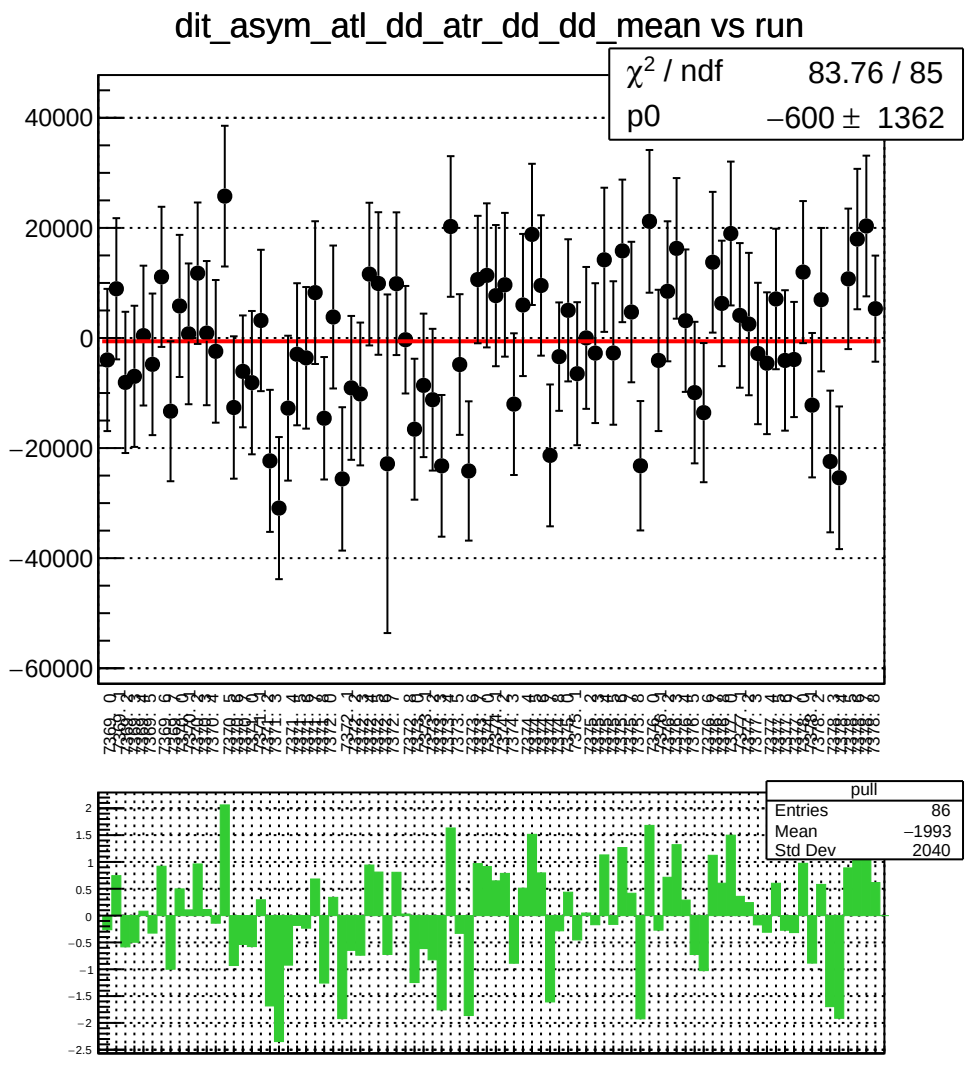

pull1D
Entries 86
Mean −0.00899
Std Dev 1.086

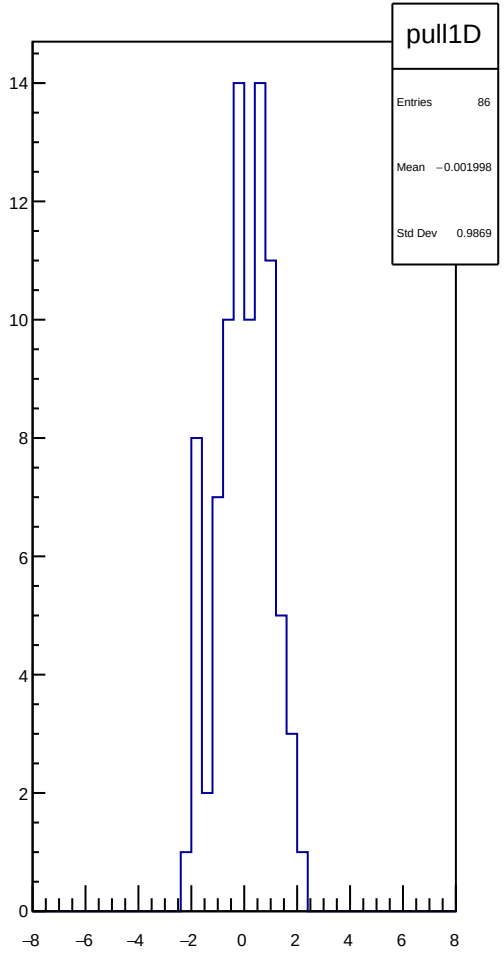

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 3.024e+04 / 85
p0 4246 ± 3.358
5500
5000
4500
4000
3500

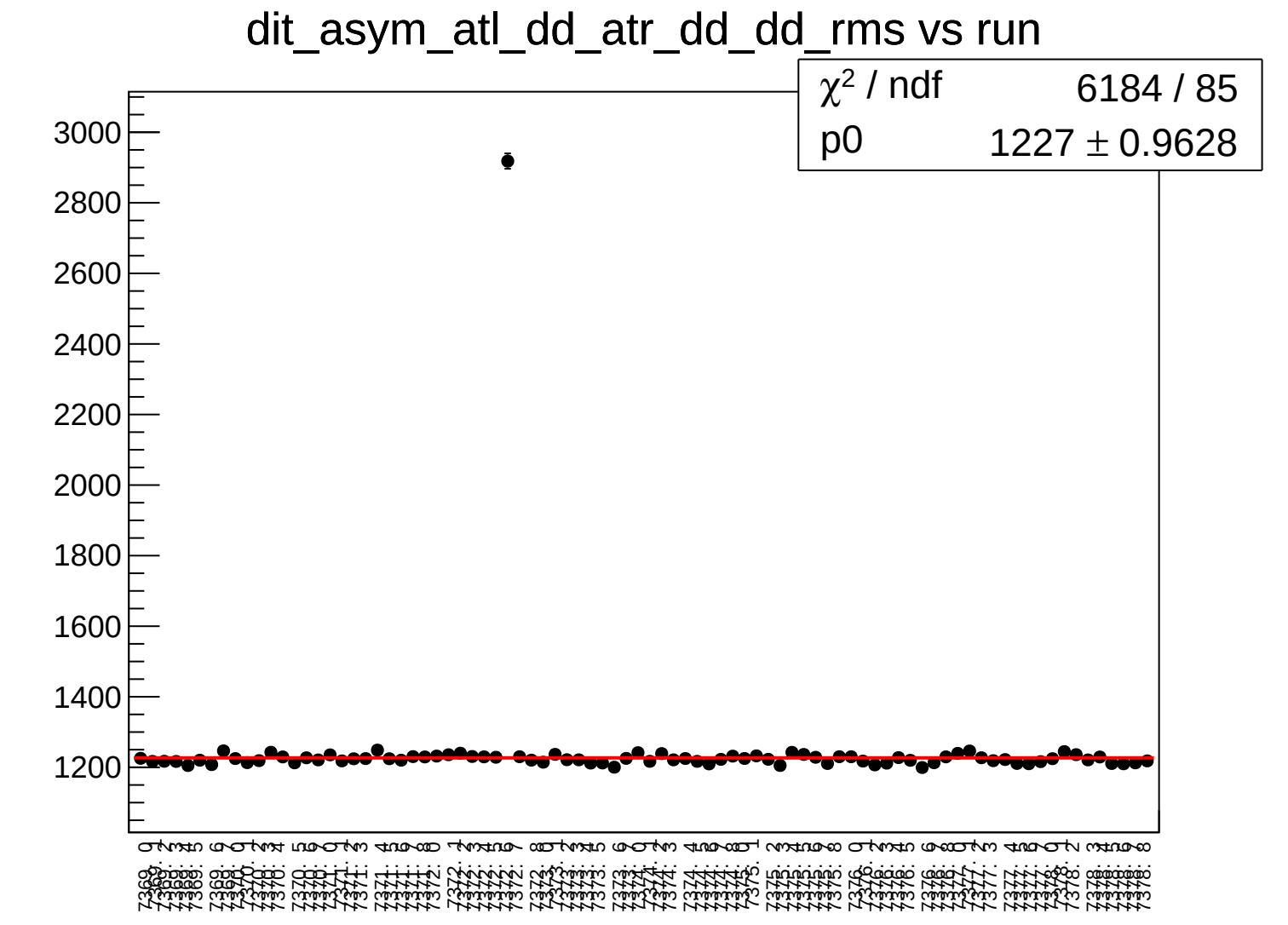

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 90.16 / 85
p0 −6738 ± 4864
pull
Entries 86
Mean −71.73
Std Dev 188.9

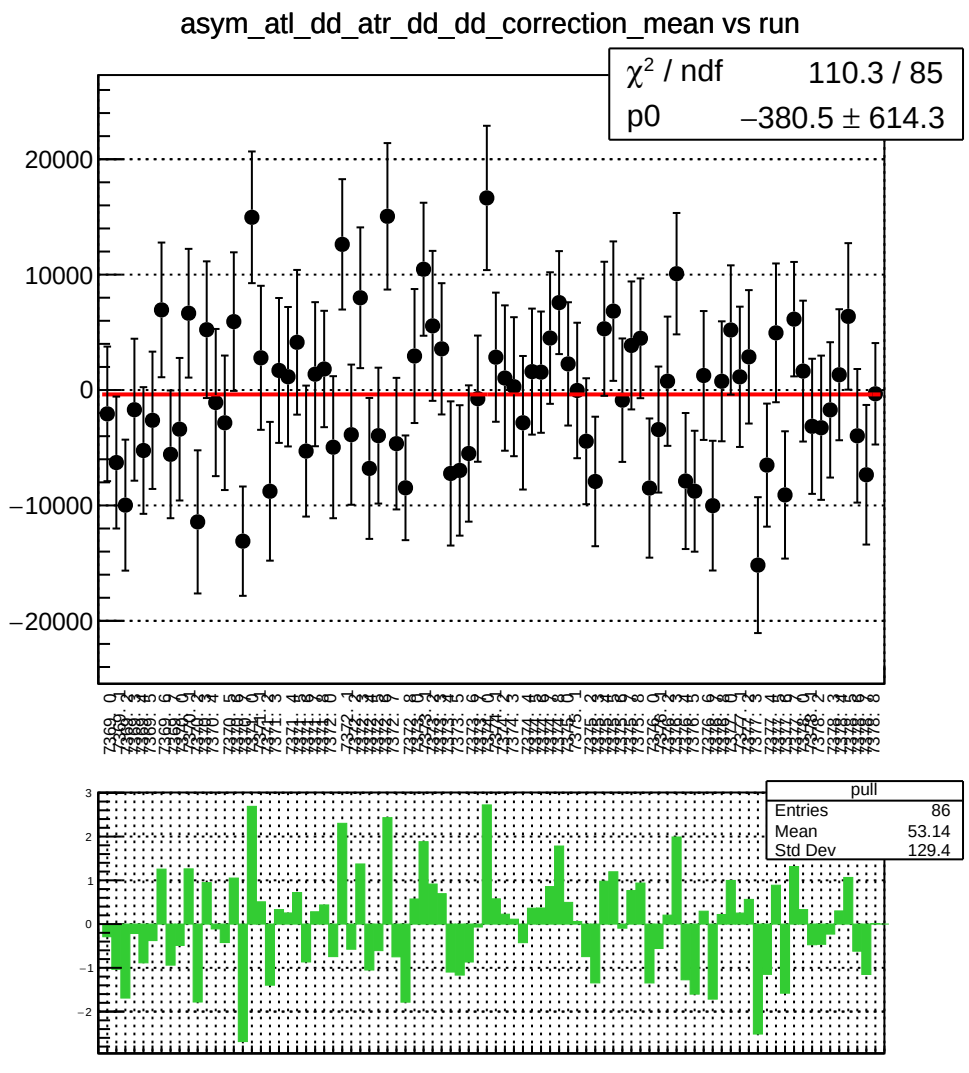

pull1D
Entries 86
Mean 0.004784
Std Dev 1.024

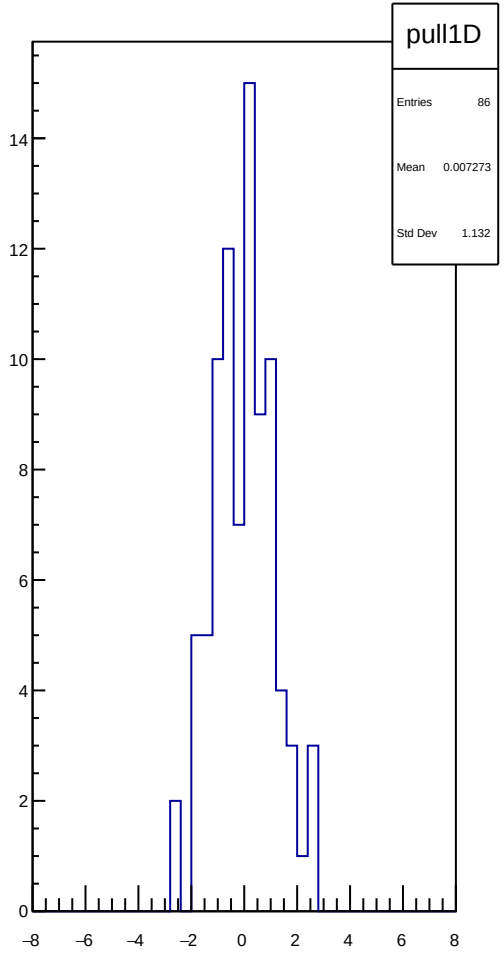

asym_atl_dd_atr_dd_avg_rms vs run
$\chi^2$ / ndf 2.828e+04 / 85
p0 4352 ± 3.439
6000
5500
5000
4500
4000
3500

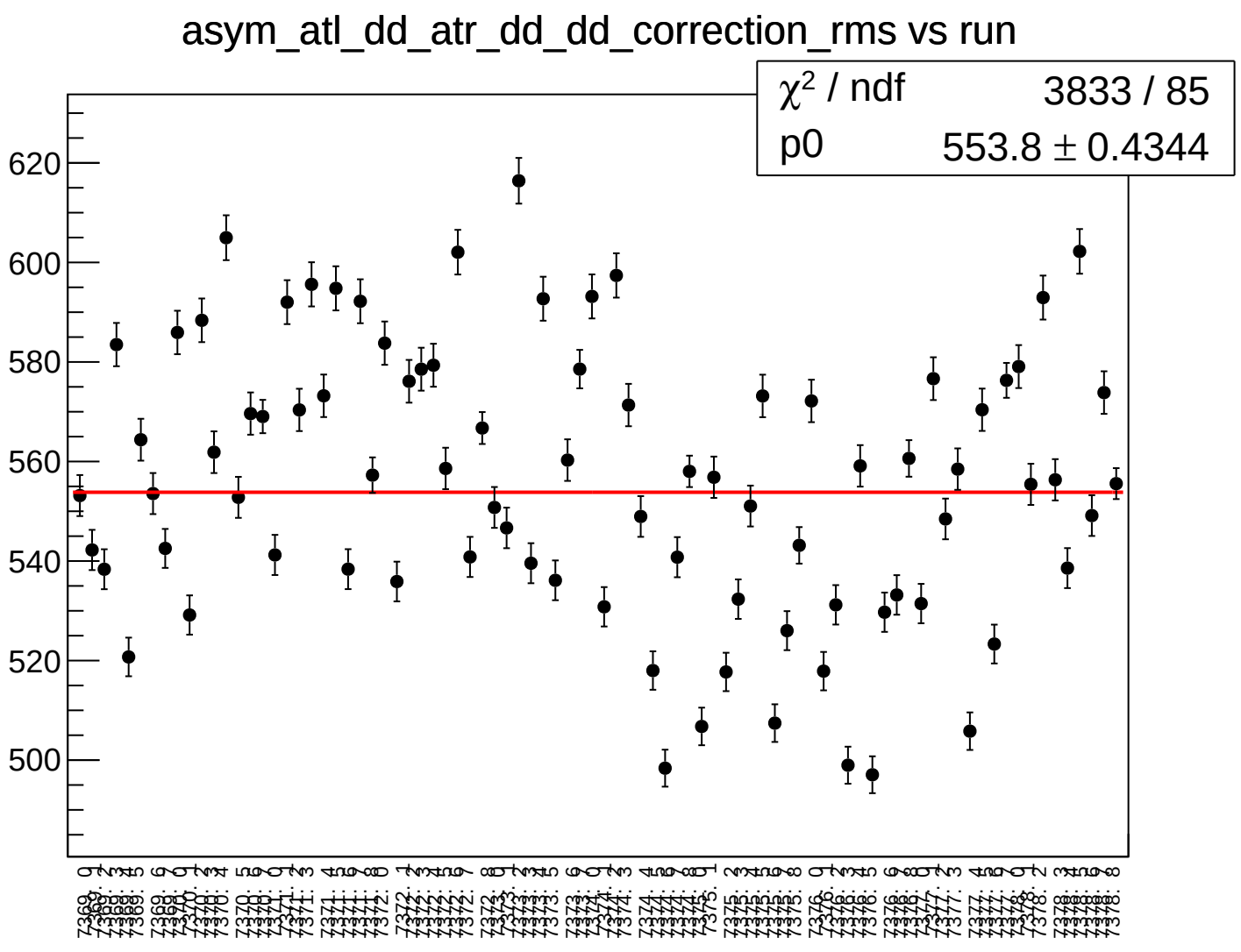

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 83.76 / 85
p0 −600 ± 1362
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −1993
Std Dev 2040
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

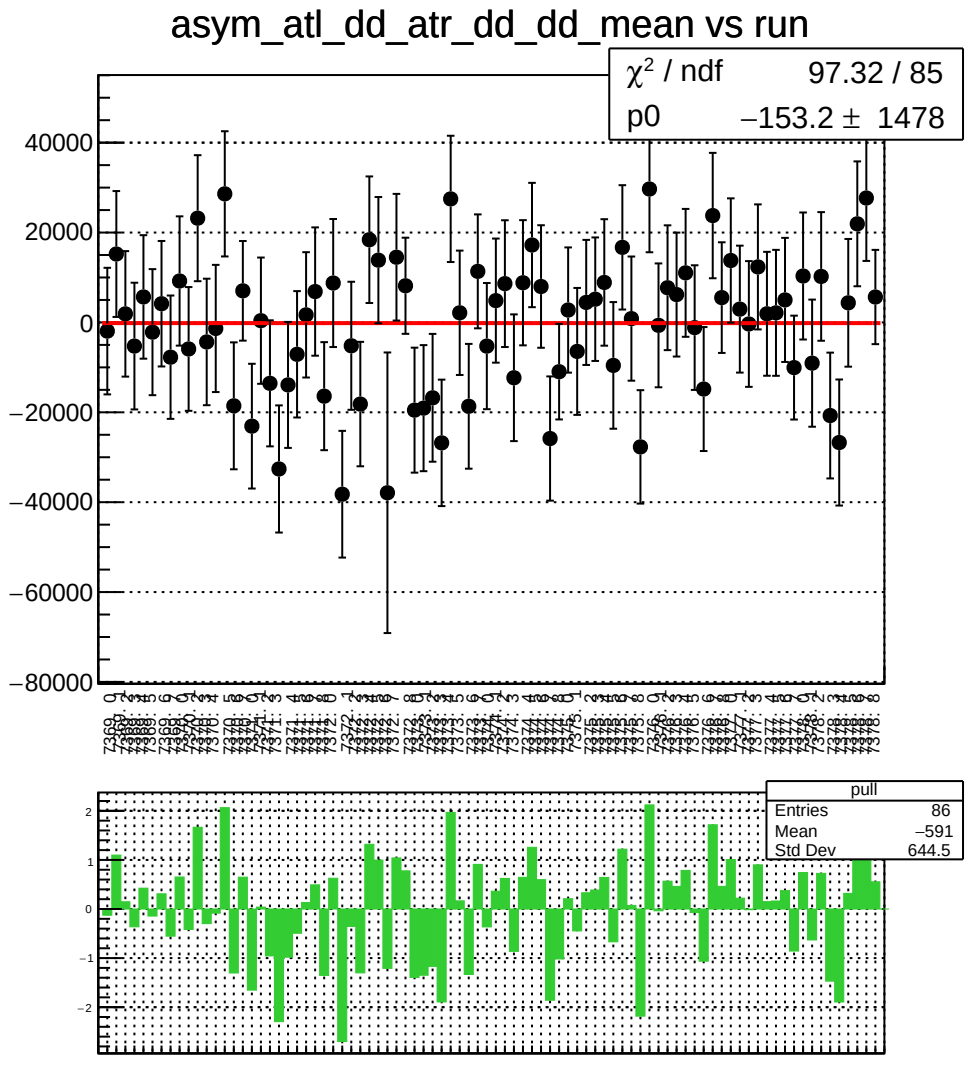

pull1D
Entries 86
Mean −0.001998
Std Dev 0.9869
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

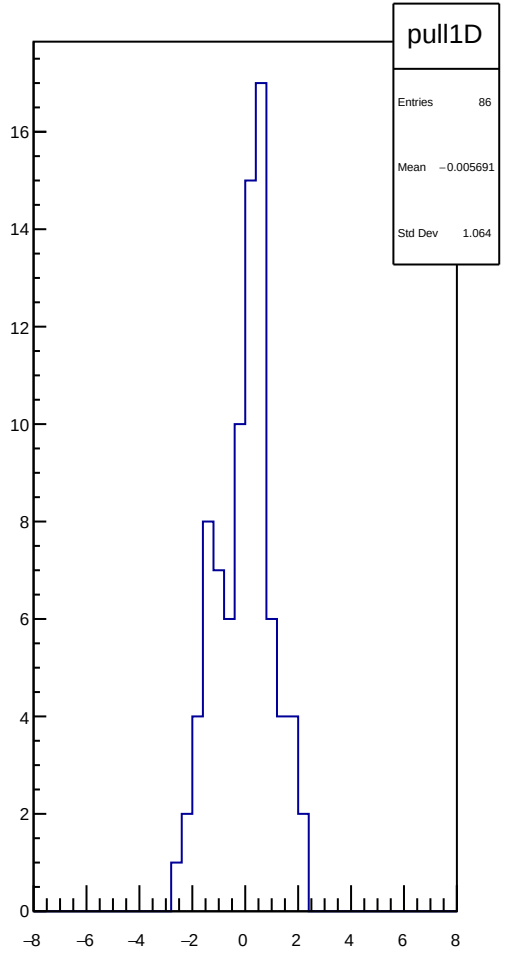

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 6184 / 85
p0 1227 ± 0.9628
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

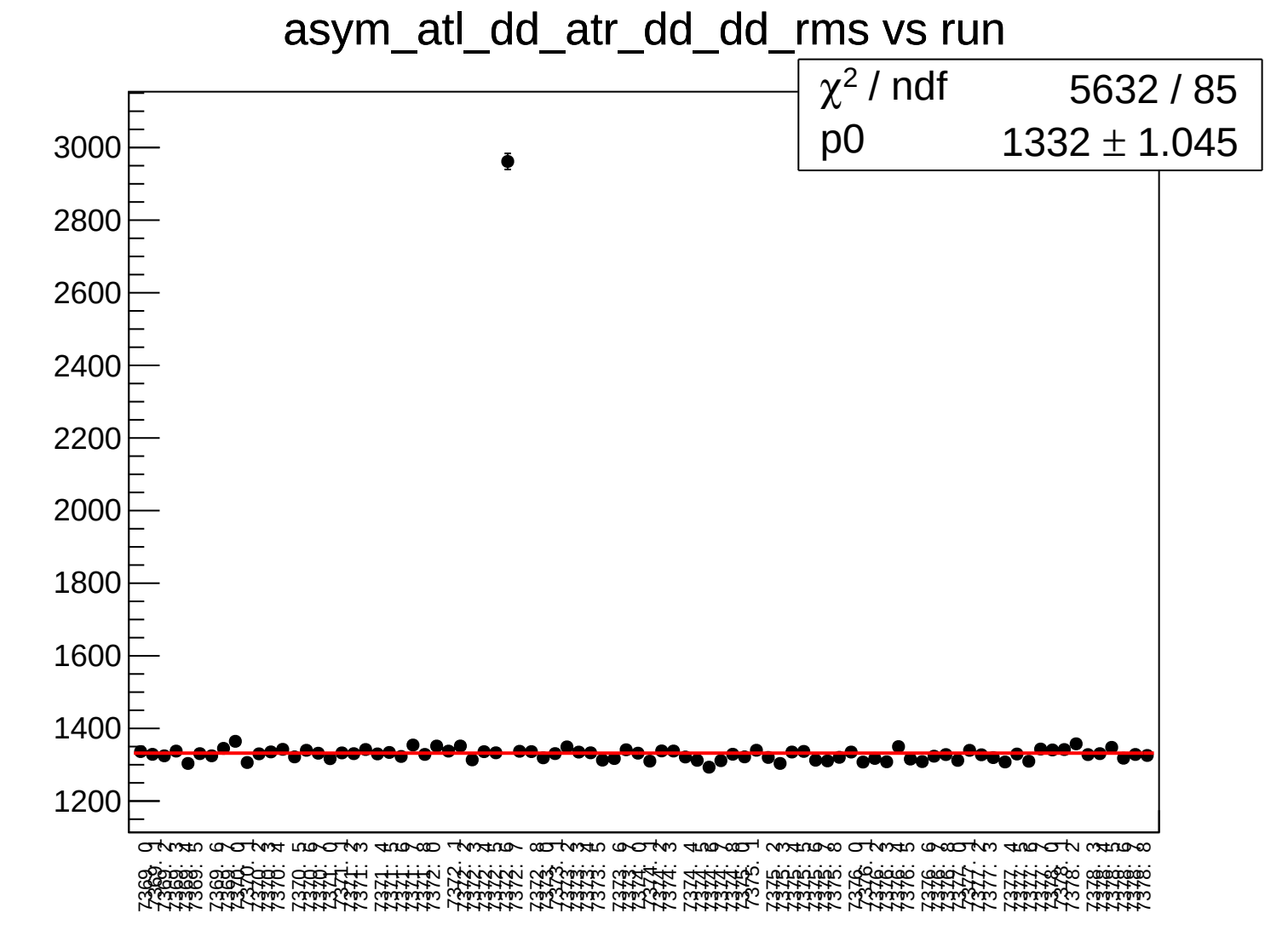

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 110.3 / 85
p0 −380.5 ± 614.3
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 53.14
Std Dev 129.4
3
2
1
0
−1
−2

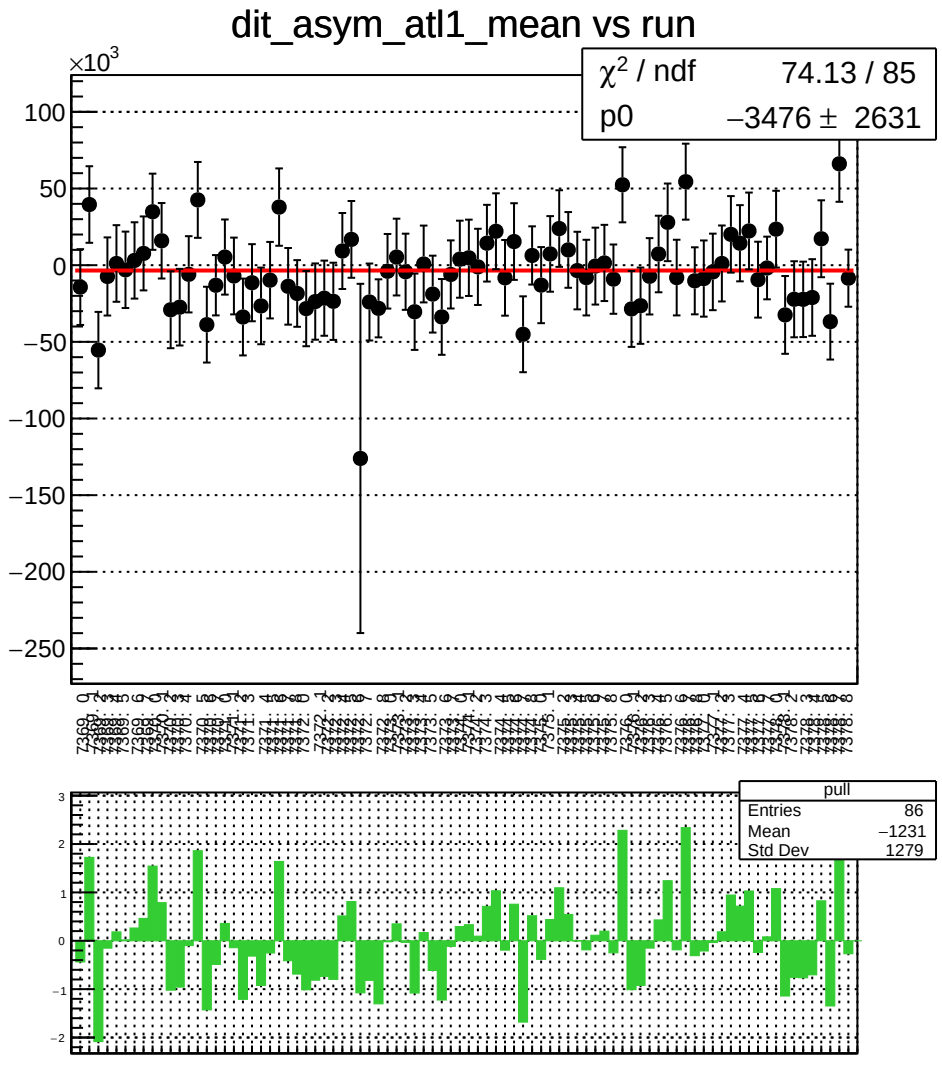

pull1D
Entries 86
Mean 0.007273
Std Dev 1.132
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

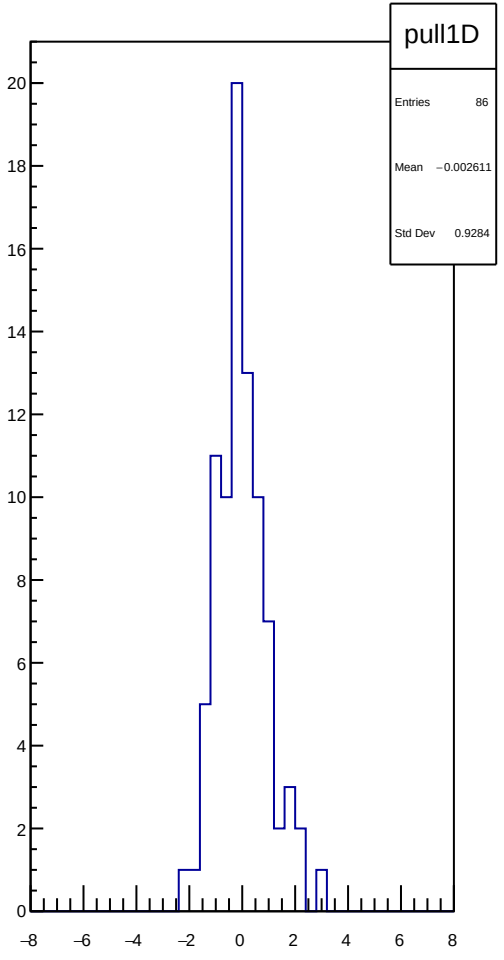

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3833 / 85
p0 553.8 ± 0.4344
620
600
580
560
540
520
500

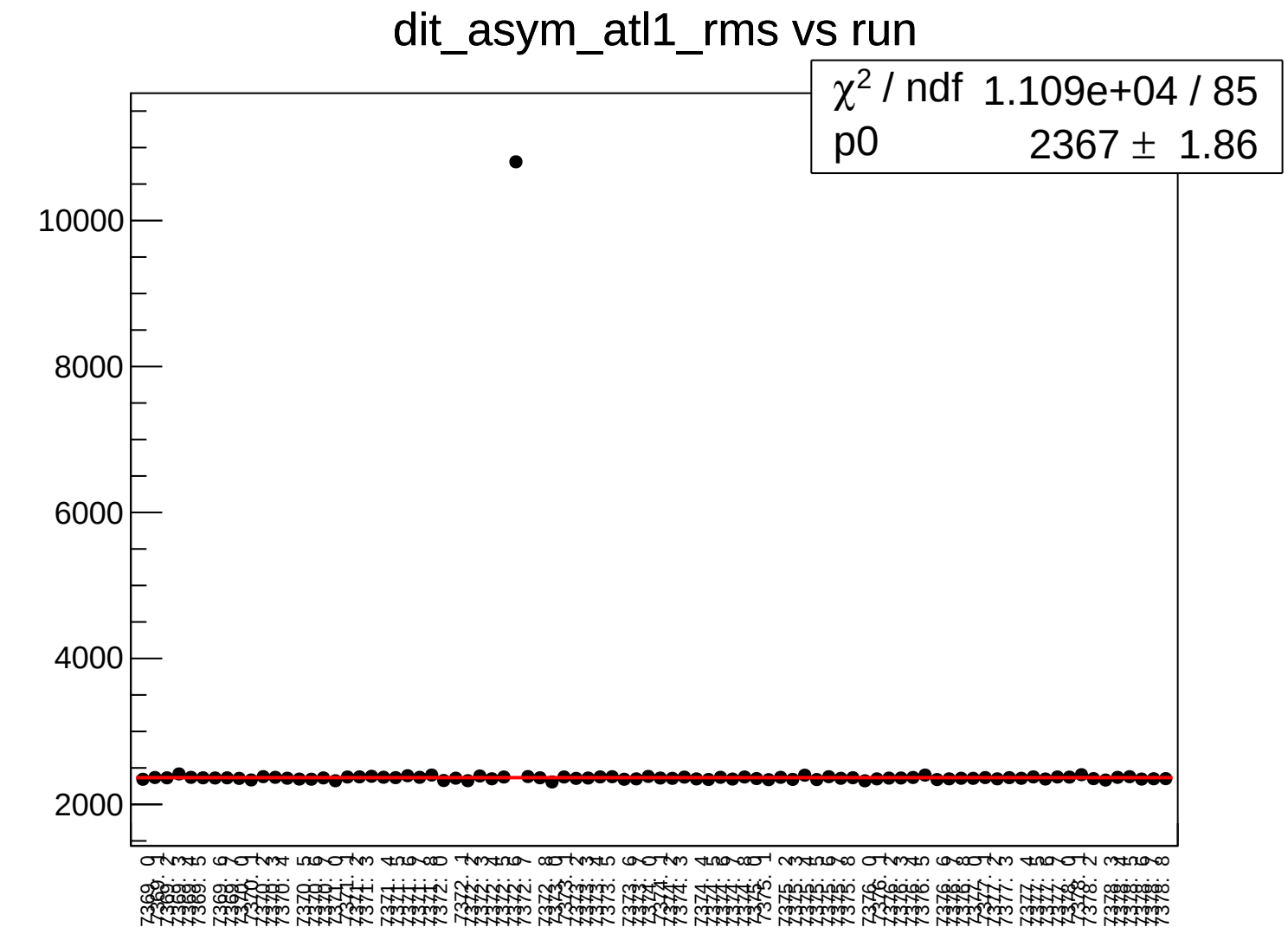

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 97.32 / 85
p0 −153.2 ± 1478
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 86
Mean −591
Std Dev 644.5
2
1
0
−1
−2

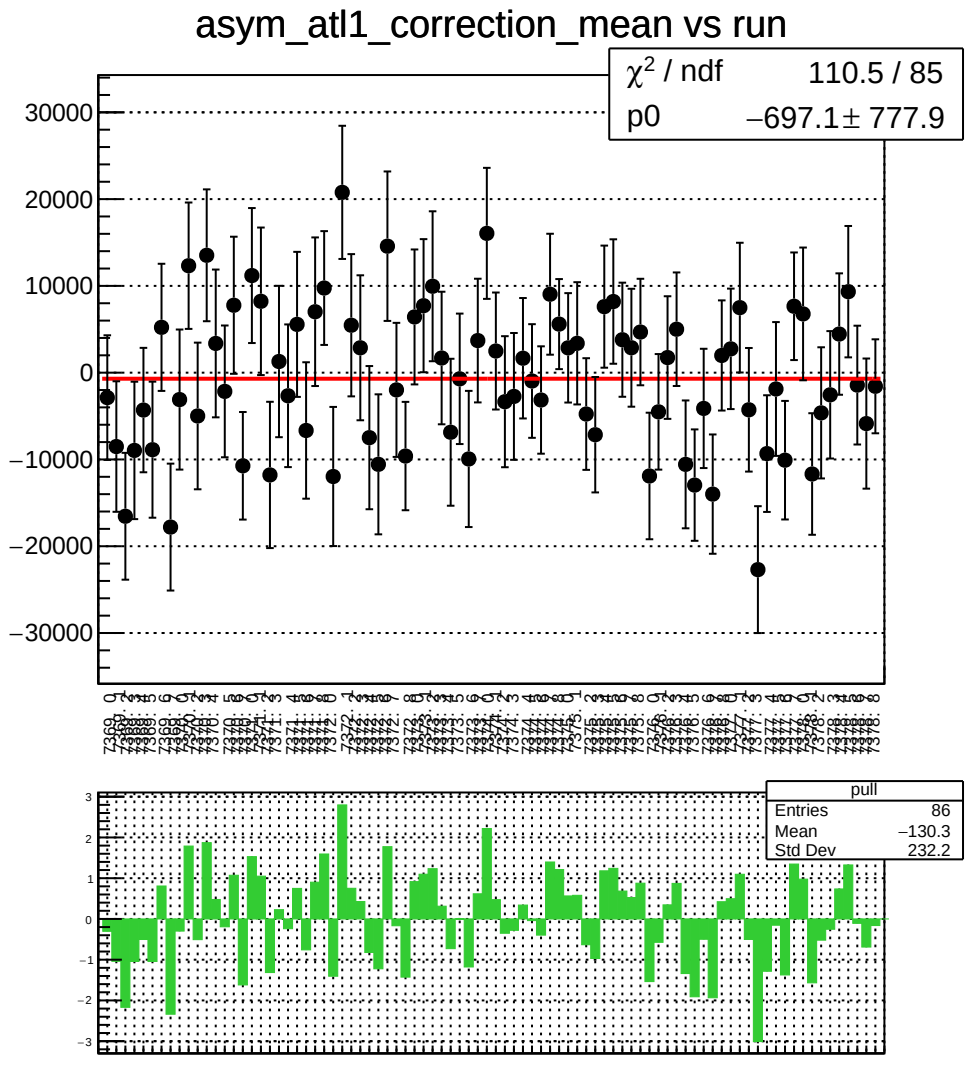

pull1D
Entries 86
Mean −0.005691
Std Dev 1.064
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

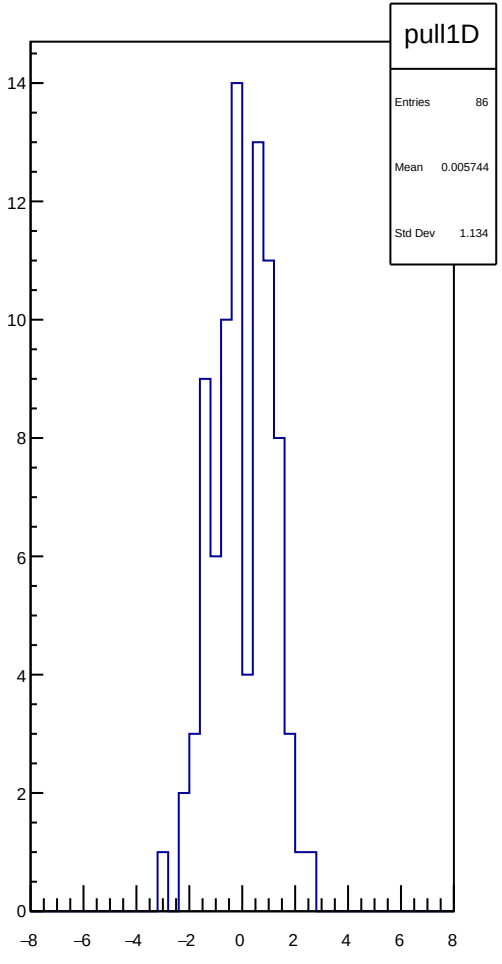

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 5632 / 85
p0 1332 ± 1.045
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200

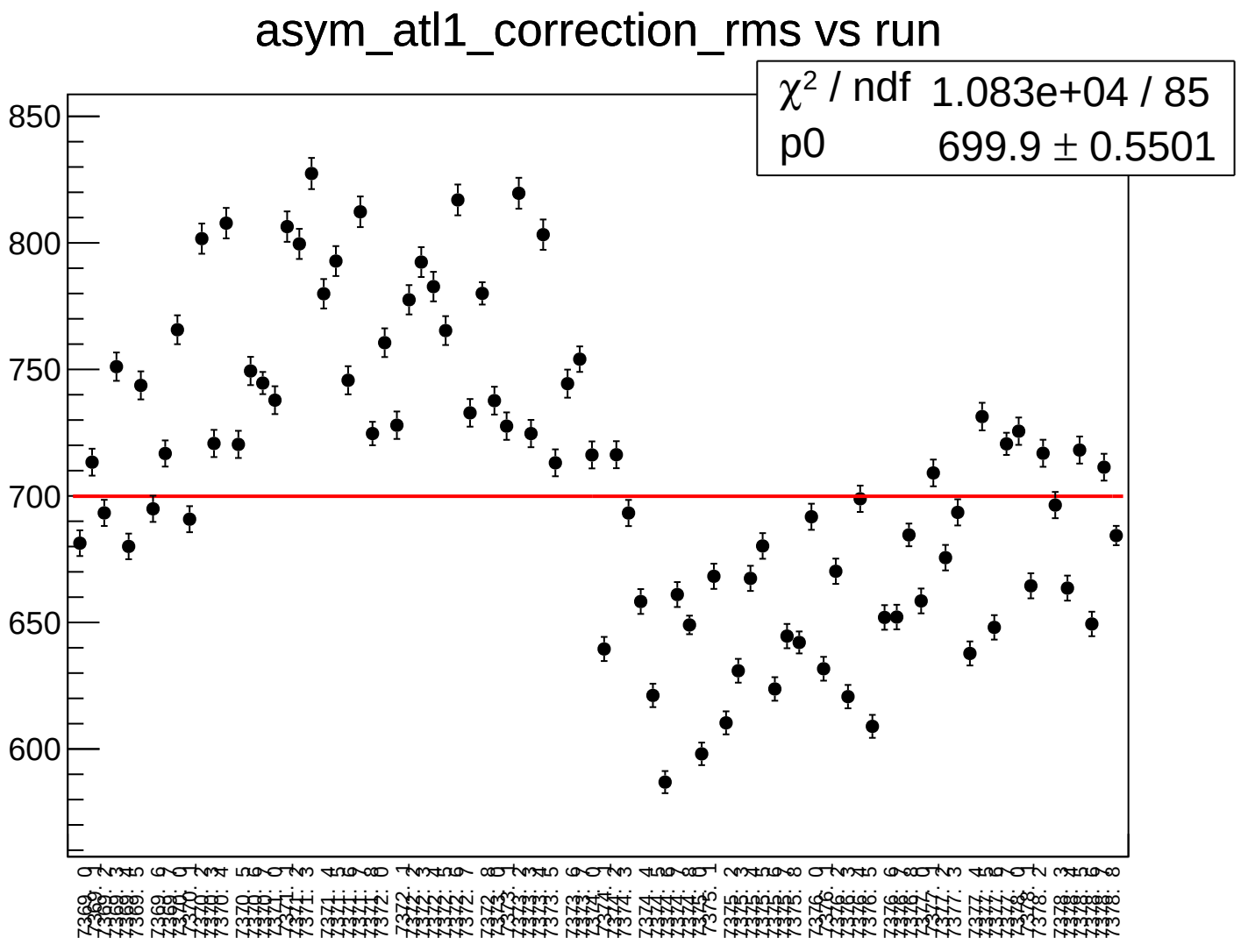

dit_asym_atl1_mean vs run
$\chi^2$ / ndf 74.13 / 85
p0 −3476 ± 2631
×10^3
pull
Entries 86
Mean −1231
Std Dev 1279

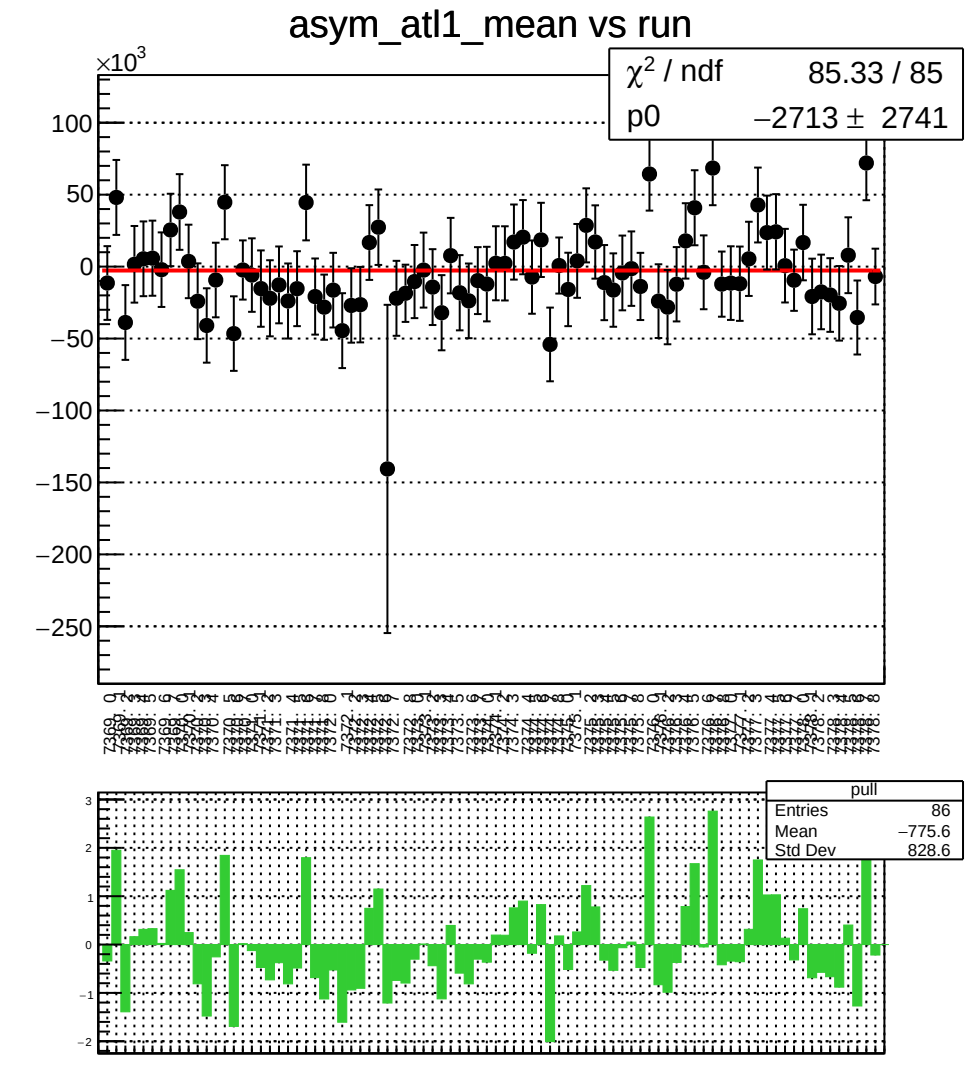

pull1D
Entries 86
Mean −0.002611
Std Dev 0.9284

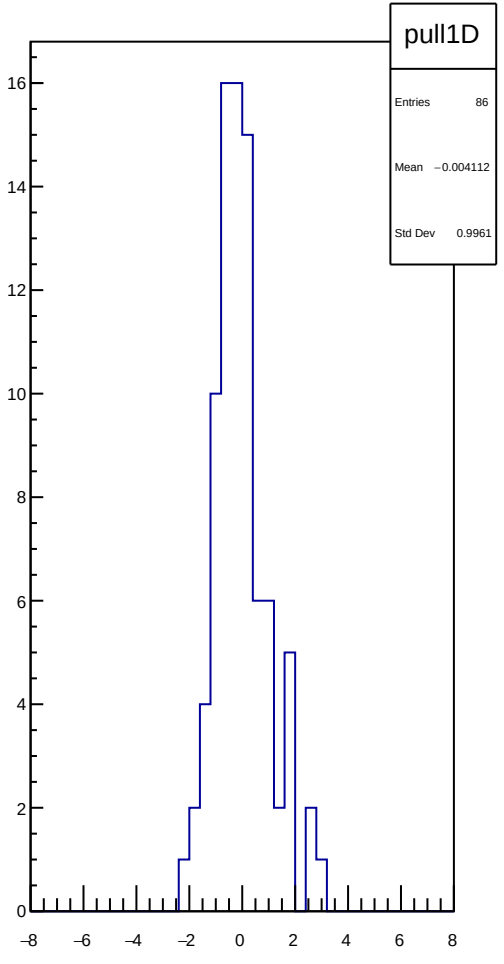

dit_asym_atl1_rms vs run
χ² / ndf 1.109e+04 / 85
p0 2367 ± 1.86
10000
8000
6000
4000
2000

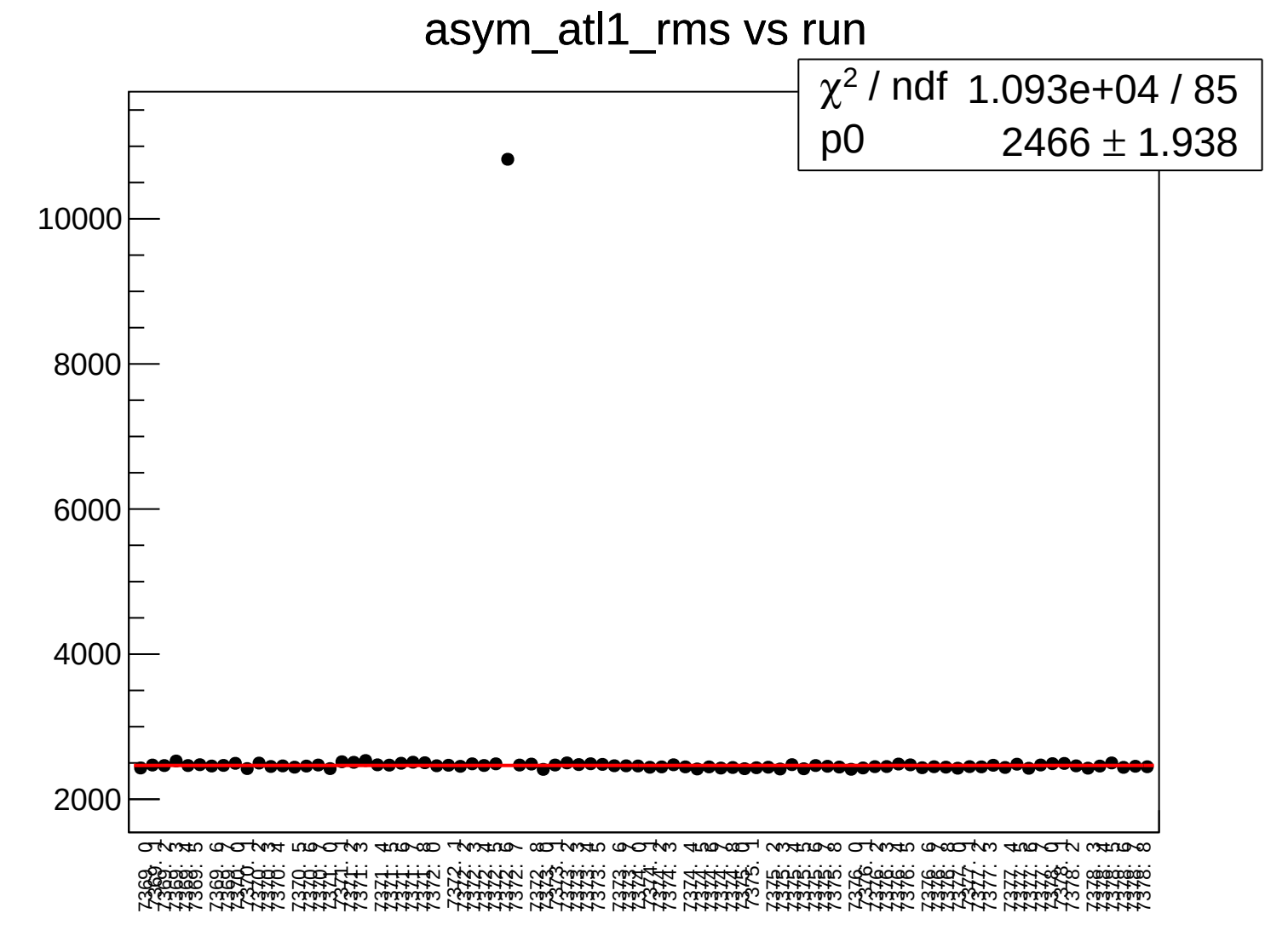

asym_atl1_correction_mean vs run
χ² / ndf 110.5 / 85
p0 −697.1± 777.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −130.3
Std Dev 232.2
3
2
1
0
−1
−2
−3

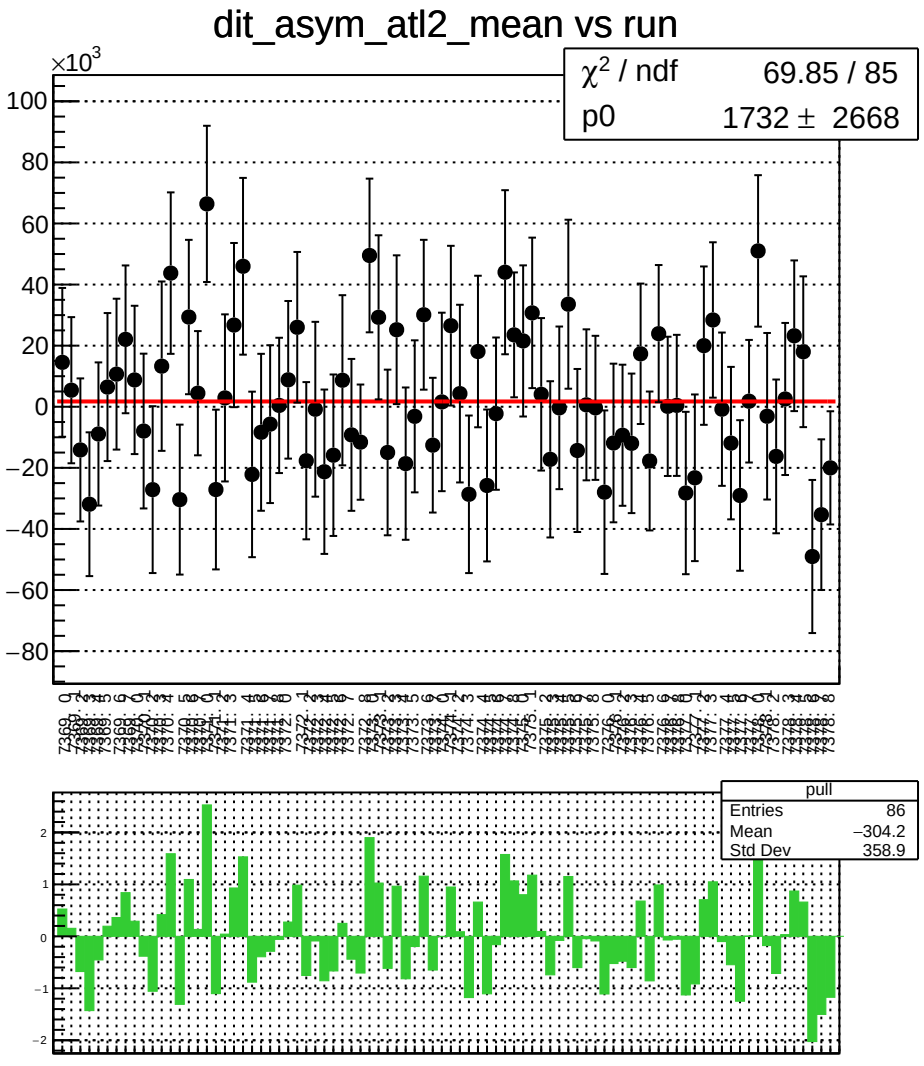

pull1D
Entries 86
Mean 0.005744
Std Dev 1.134
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

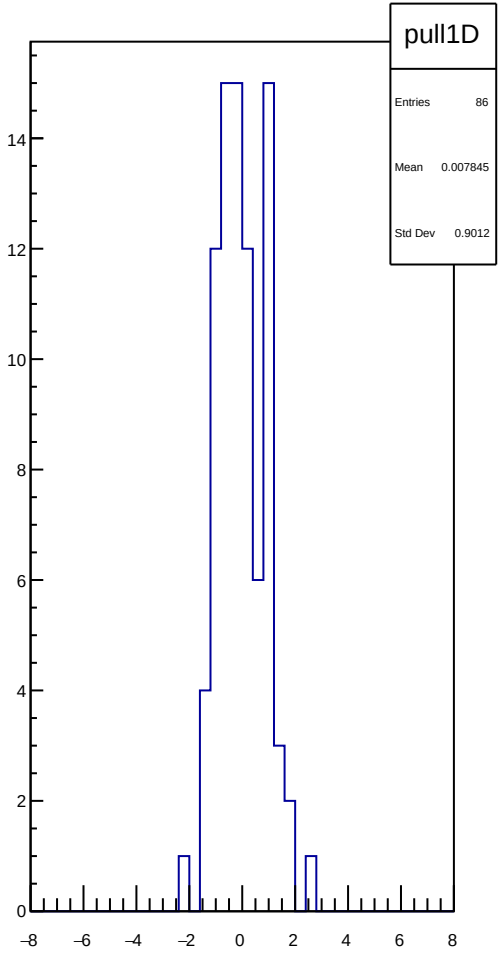

asym_atl1_correction_rms vs run
χ² / ndf 1.083e+04 / 85
p0 699.9 ± 0.5501
850
800
750
700
650
600

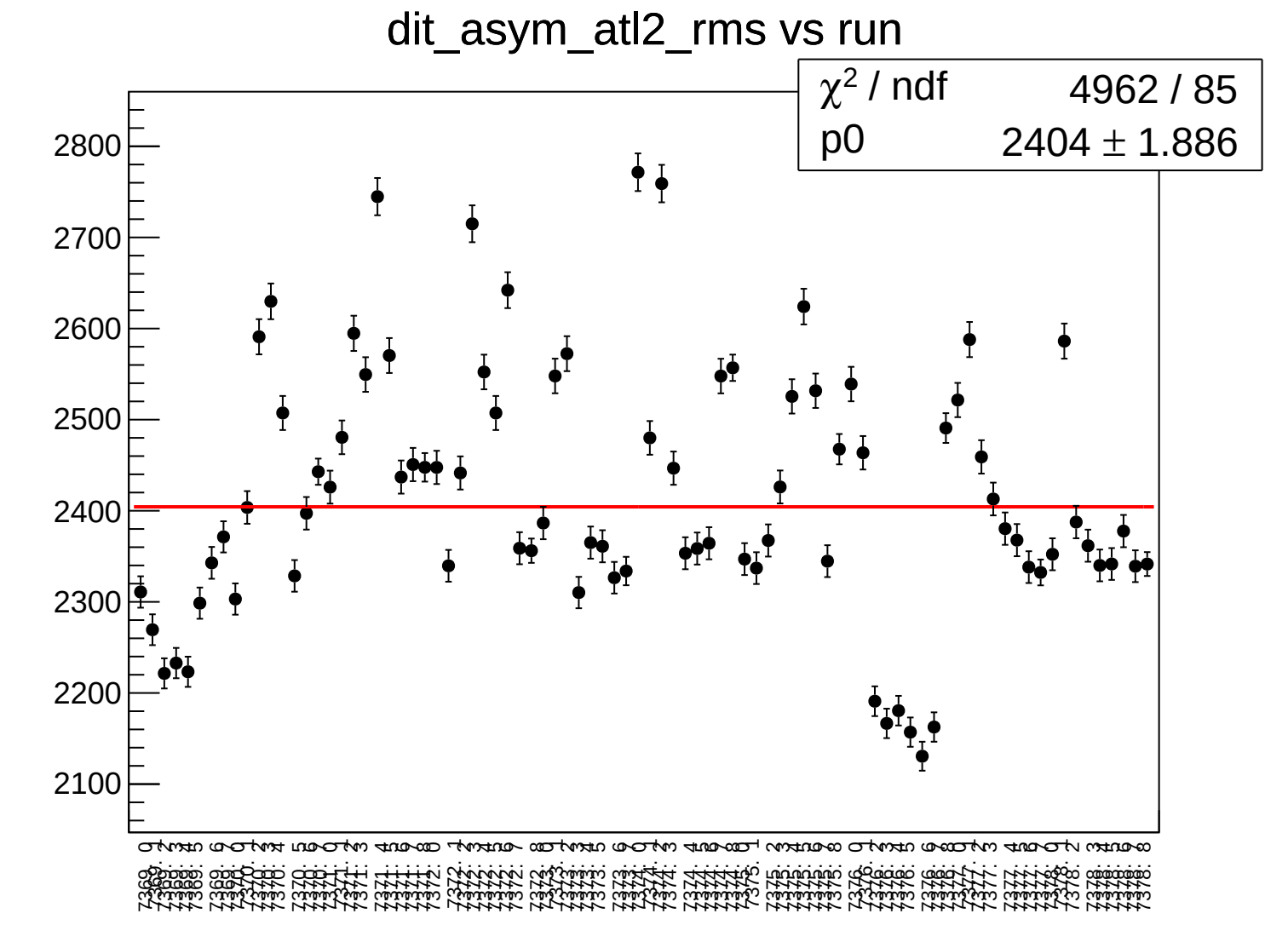

asym_atl1_mean vs run
×10^3
χ^2 / ndf 85.33 / 85
p0 −2713 ± 2741
pull
Entries 86
Mean −775.6
Std Dev 828.6

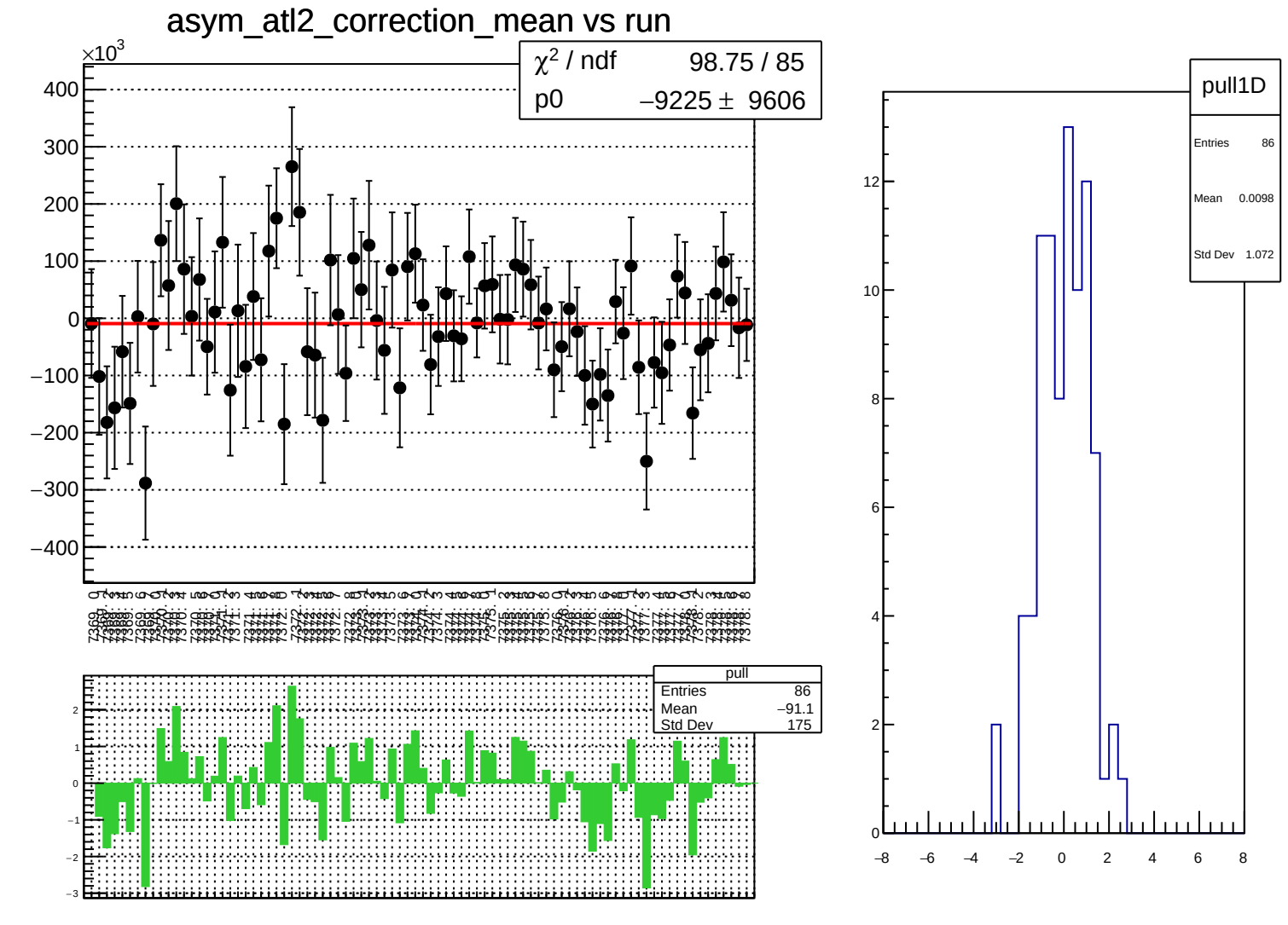

pull1D
Entries 86
Mean −0.004112
Std Dev 0.9961

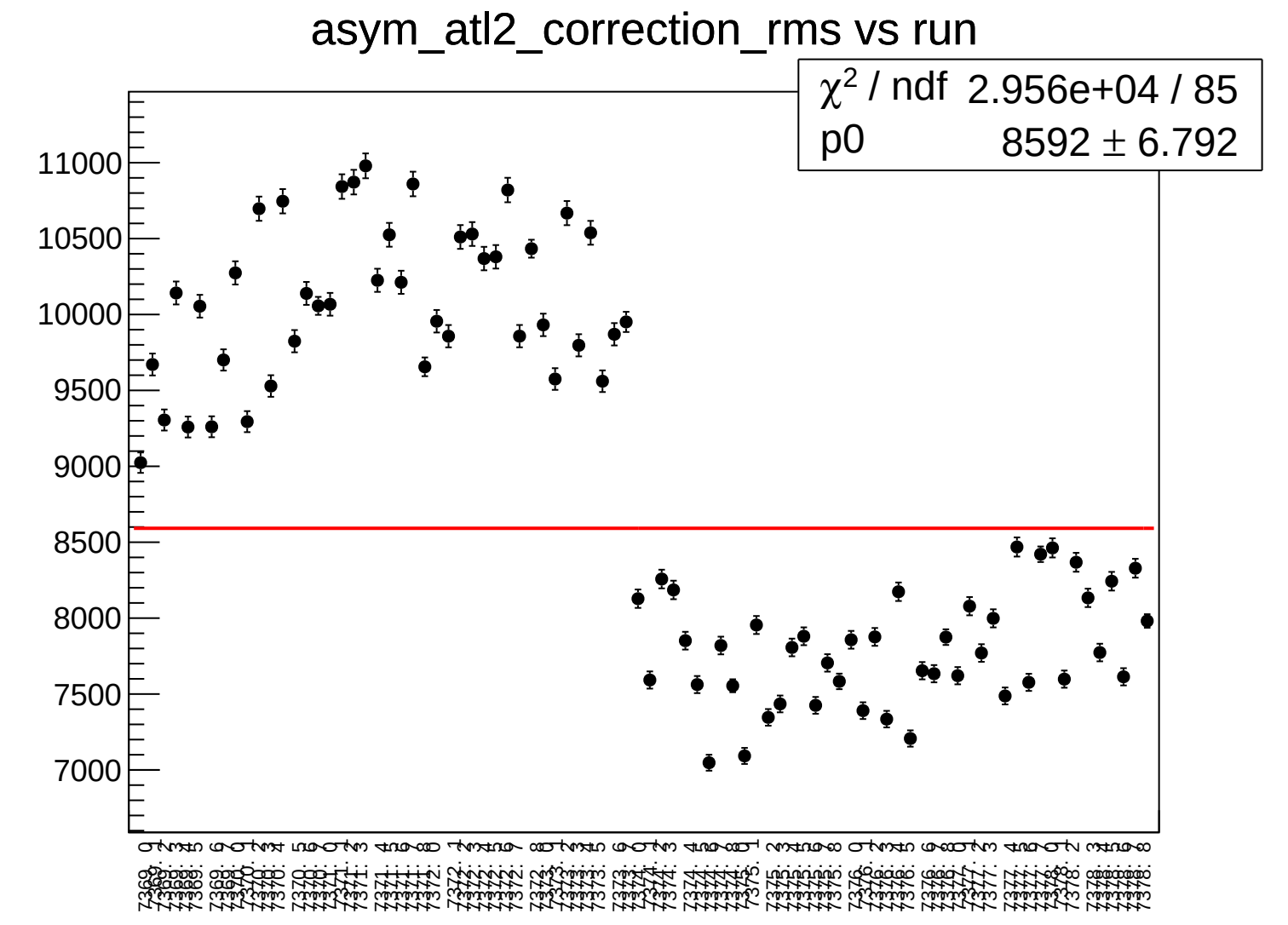

asym_atl1_rms vs run
χ² / ndf 1.093e+04 / 85
p0 2466 ± 1.938
10000
8000
6000
4000
2000

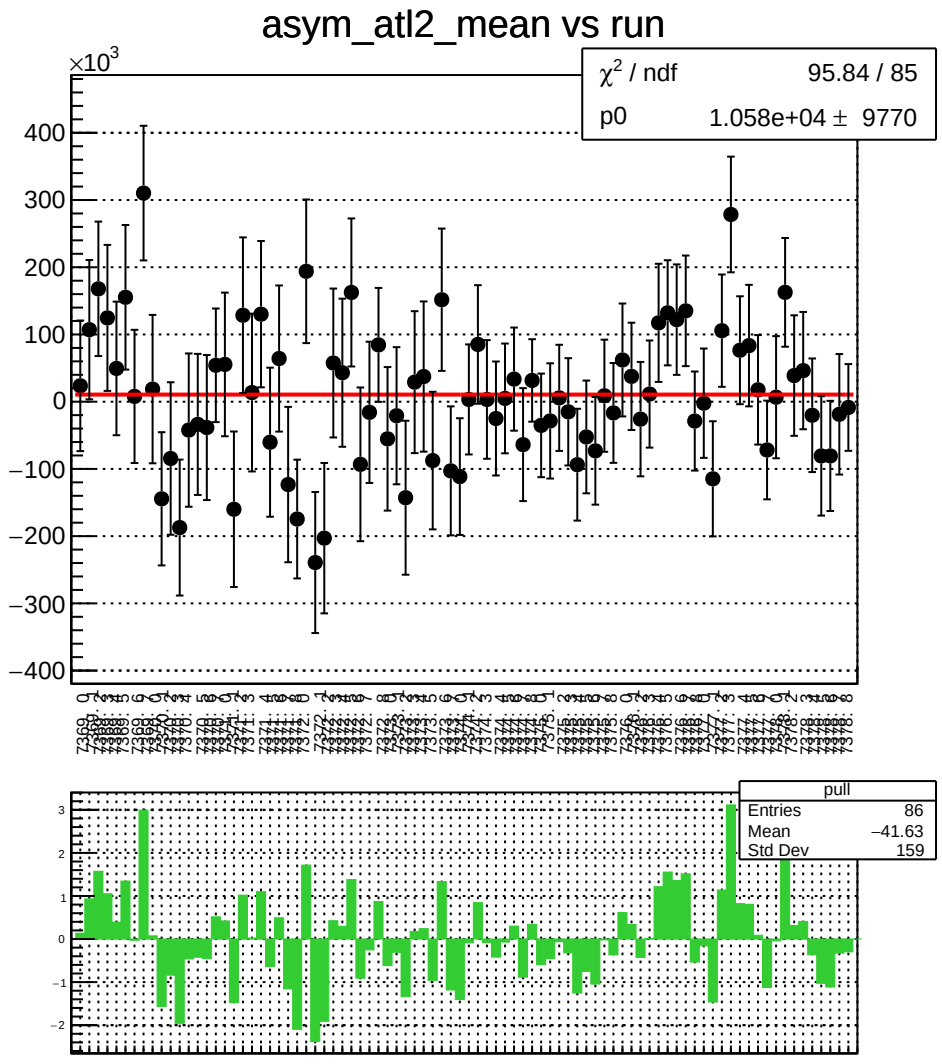

dit_asym_atl2_mean vs run
×10^3
χ^2 / ndf 69.85 / 85
p0 1732 ± 2668
pull
Entries 86
Mean −304.2
Std Dev 358.9

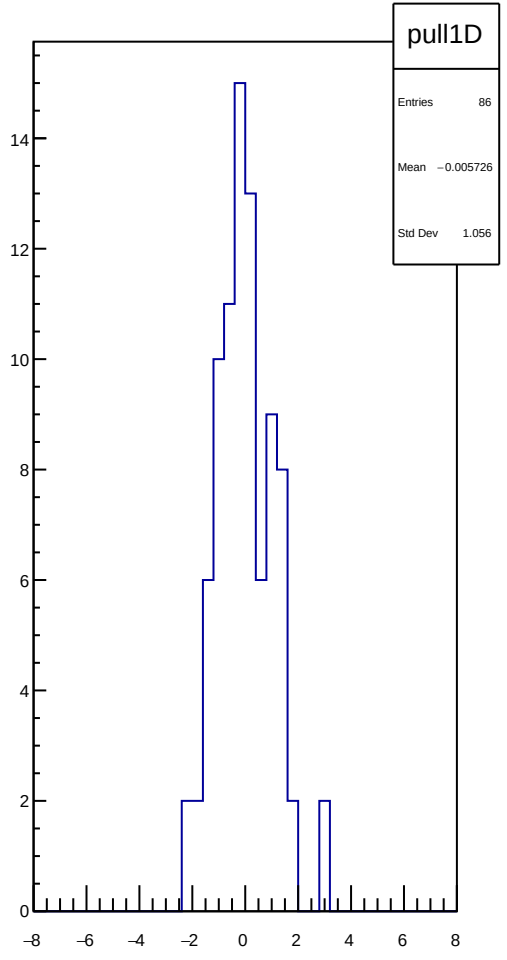

pull1D
Entries 86
Mean 0.007845
Std Dev 0.9012

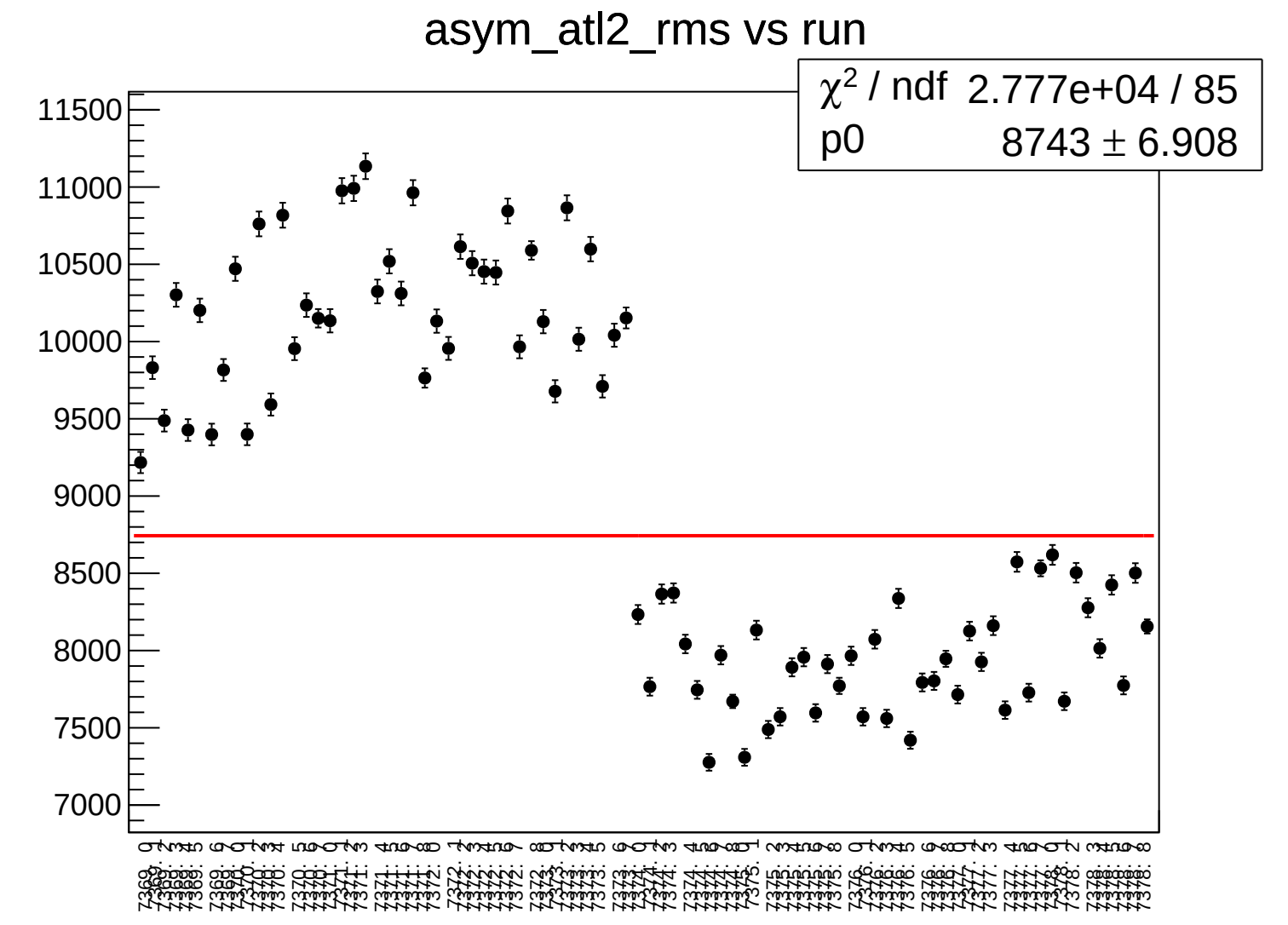

dit_asym_atl2_rms vs run
χ² / ndf 4962 / 85
p0 2404 ± 1.886
2800
2700
2600
2500
2400
2300
2200
2100

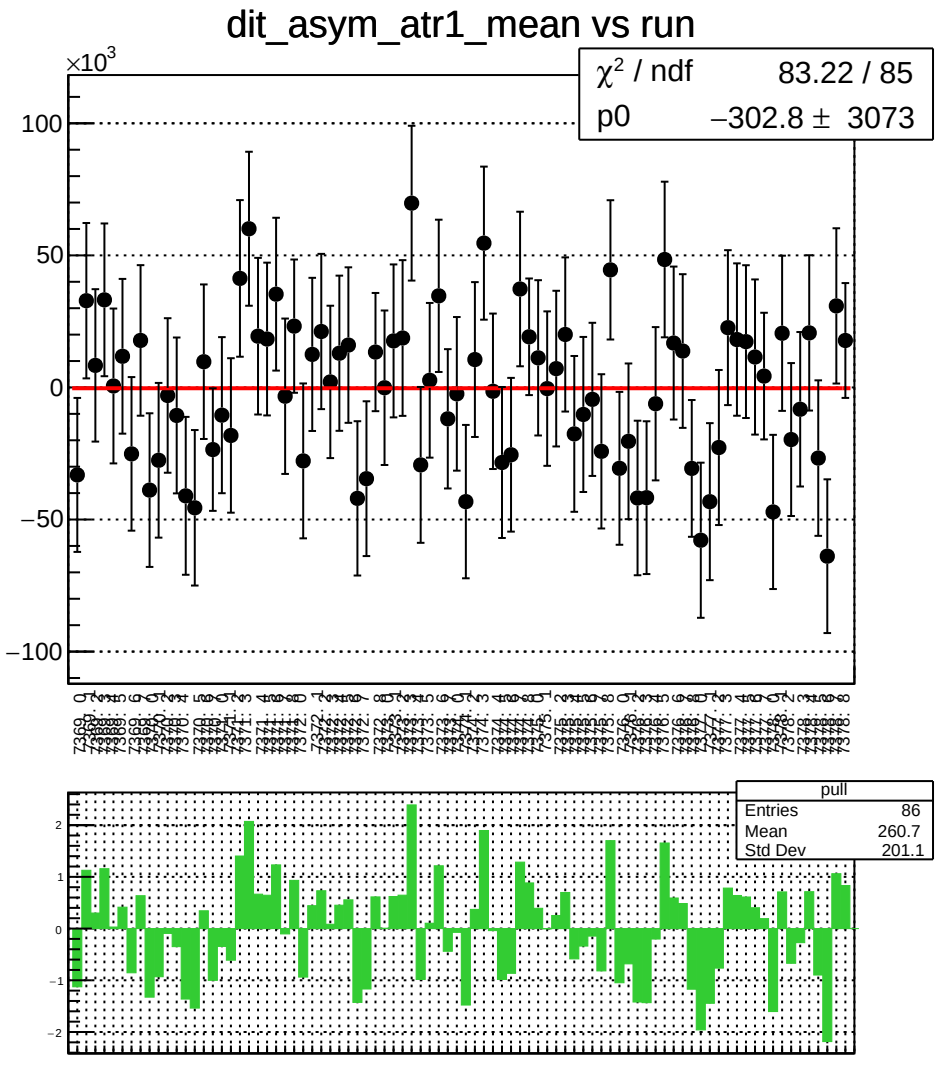

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 98.75 / 85
p0 −9225 ± 9606
pull
Entries 86
Mean −91.1
Std Dev 175
pull1D
Entries 86
Mean 0.0098
Std Dev 1.072

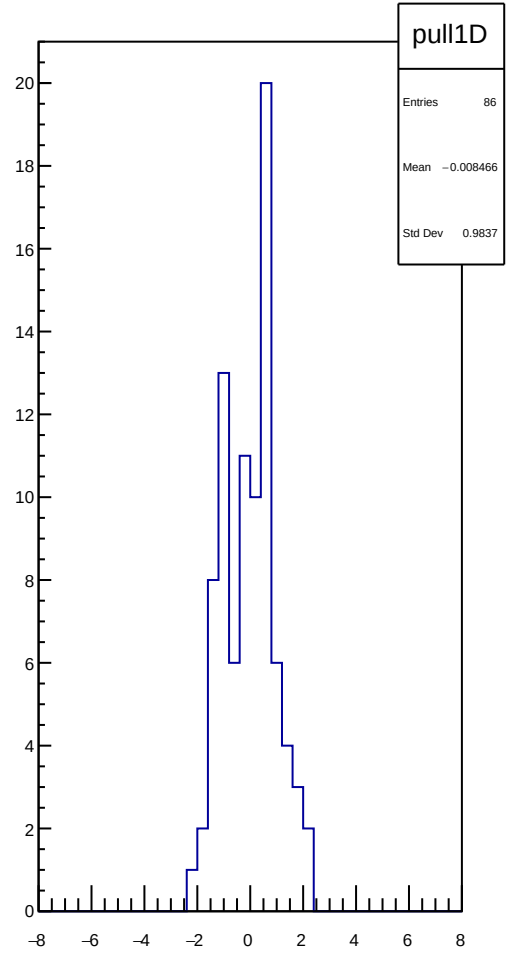

asym_atl2_correction_rms vs run
$\chi^2$ / ndf 2.956e+04 / 85
p0 8592 ± 6.792
11000
10500
10000
9500
9000
8500
8000
7500
7000

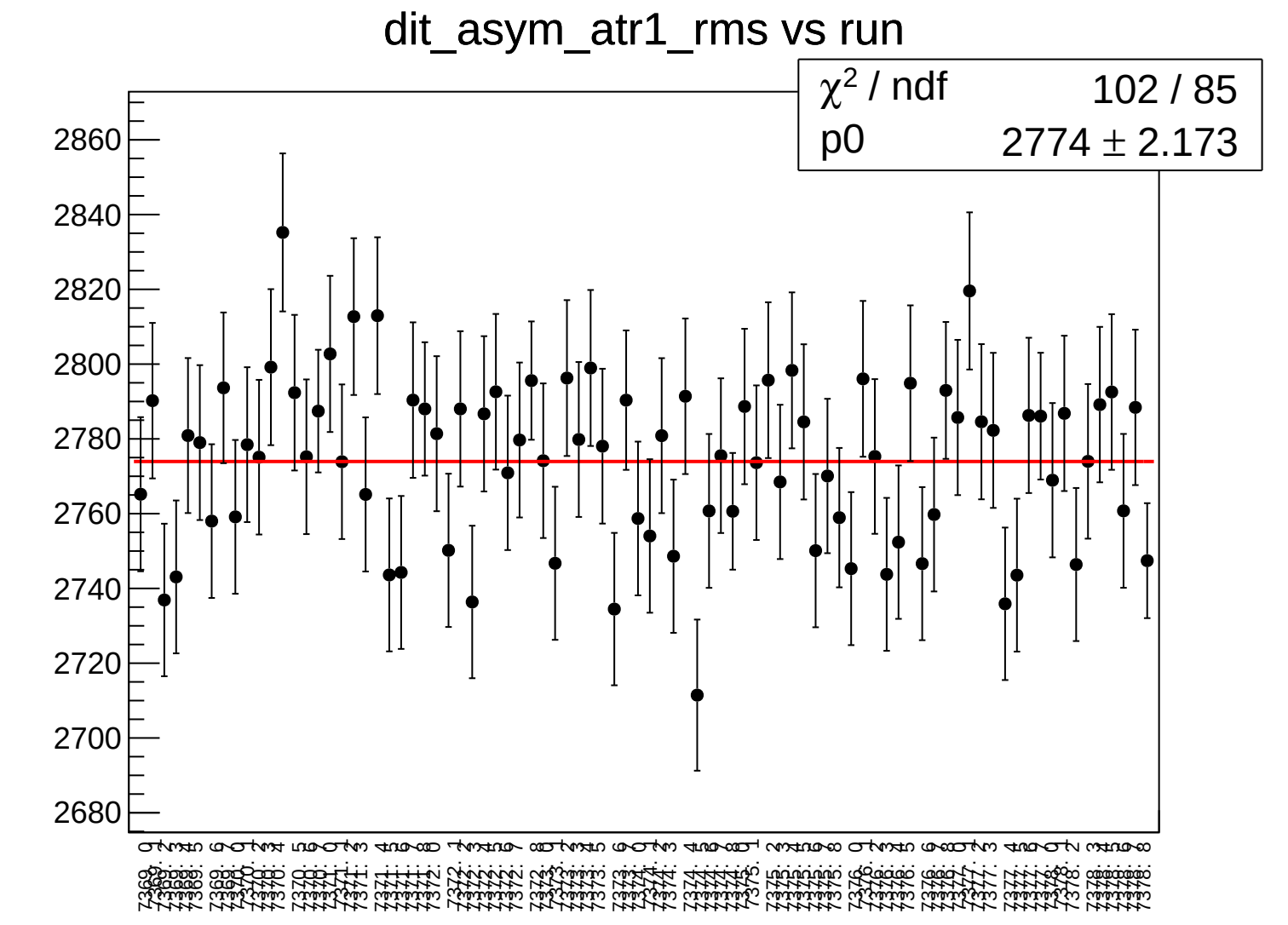

asym_atl2_mean vs run
×10^3
χ² / ndf 95.84 / 85
p0 1.058e+04 ± 9770
pull
Entries 86
Mean −41.63
Std Dev 159

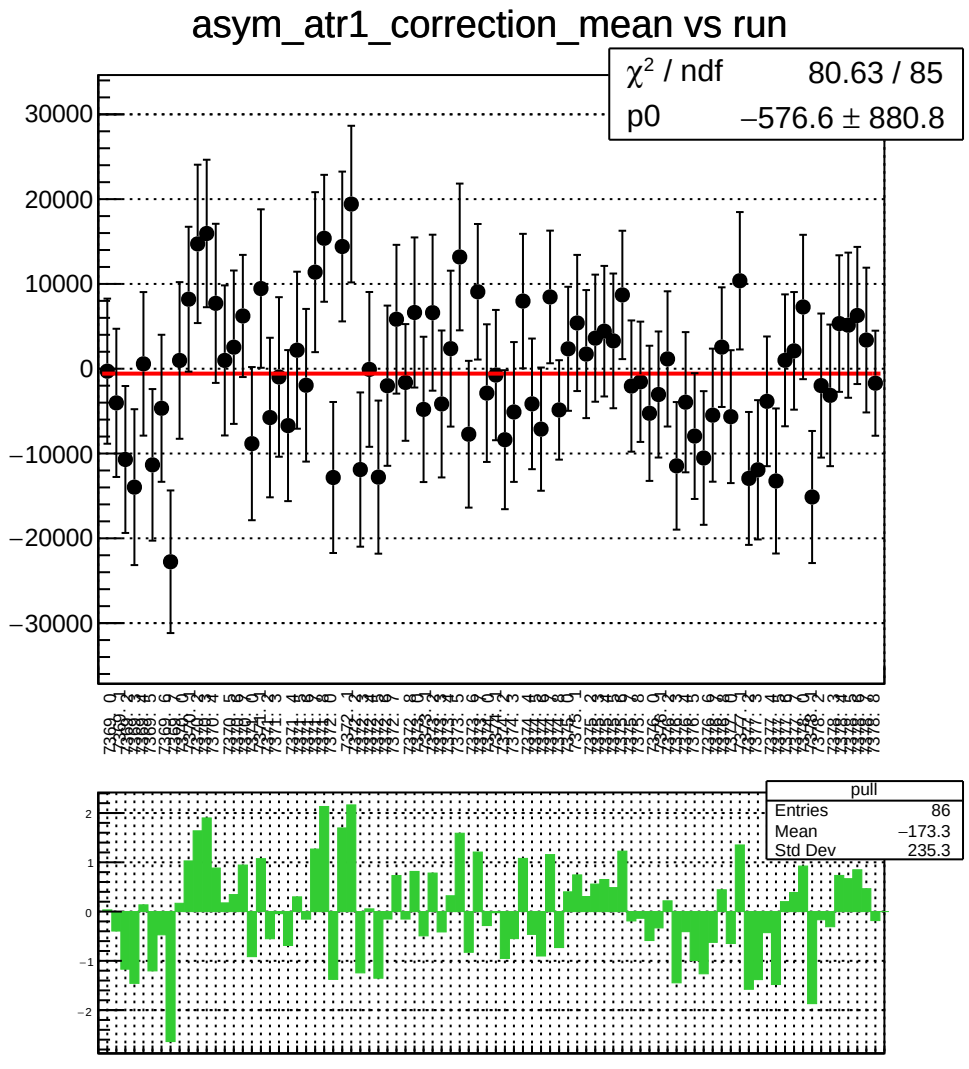

pull1D
Entries 86
Mean −0.005726
Std Dev 1.056

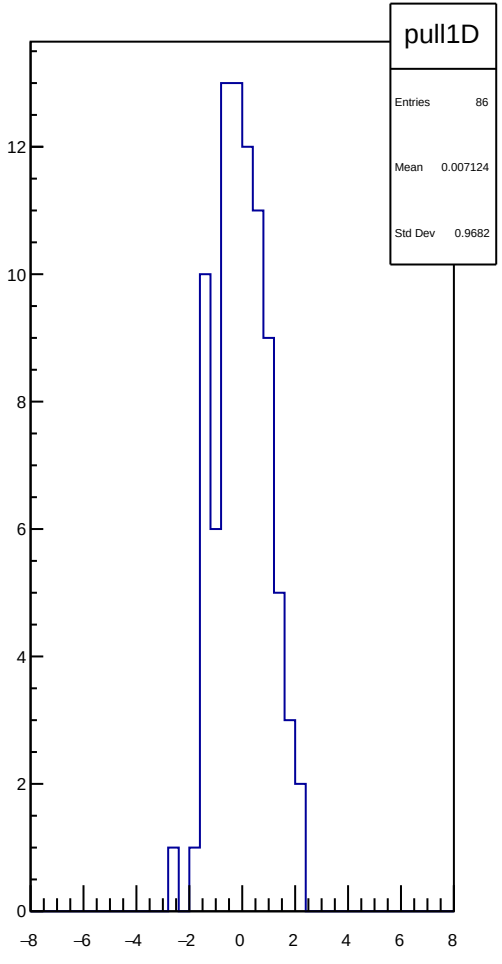

asym_atl2_rms vs run
χ² / ndf 2.777e+04 / 85
p0 8743 ± 6.908
11500
11000
10500
10000
9500
9000
8500
8000
7500
7000

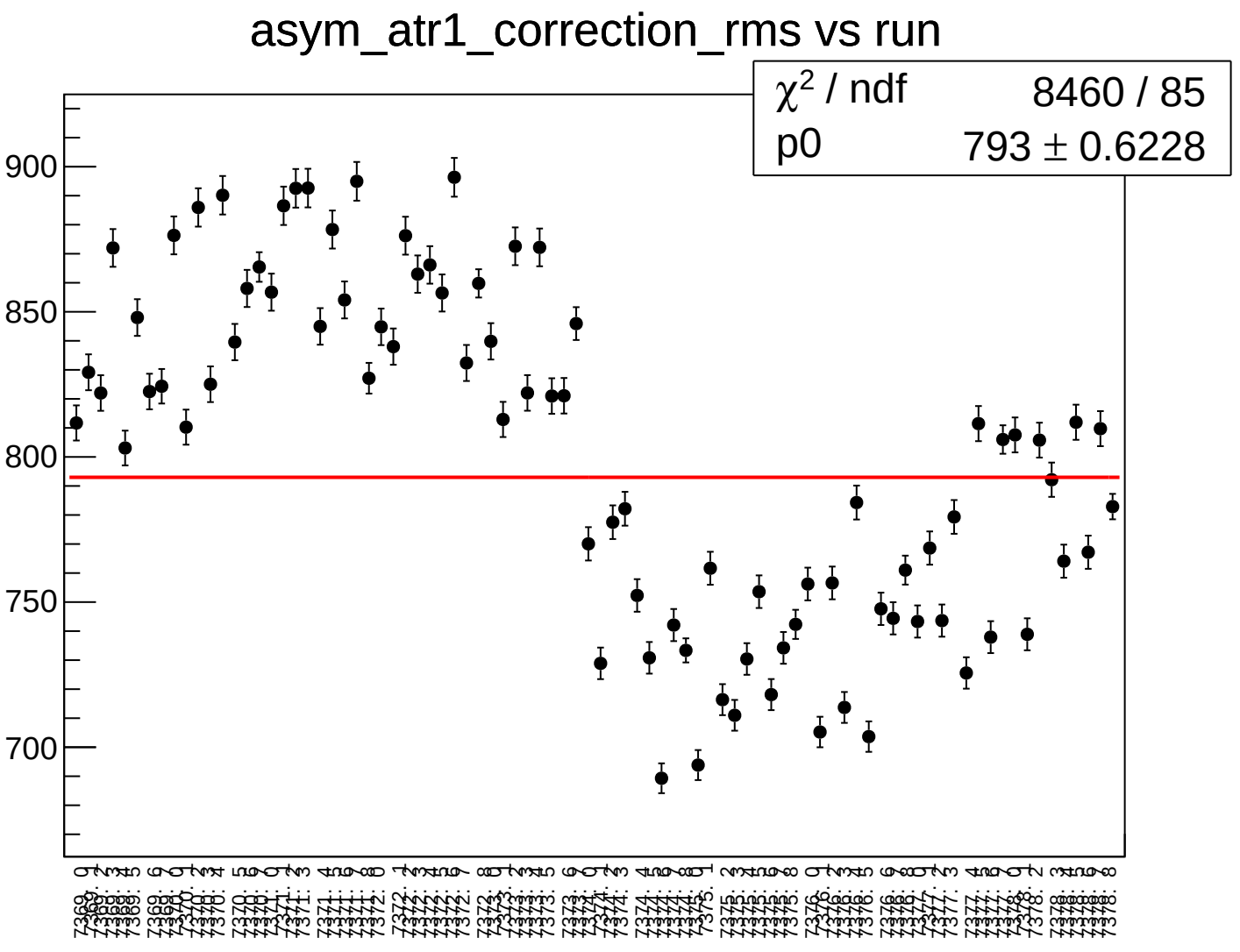

dit_asym_atr1_mean vs run
×10^3
χ² / ndf 83.22 / 85
p0 −302.8 ± 3073
100
50
0
−50
−100
pull
Entries 86
Mean 260.7
Std Dev 201.1
2
1
0
−1
−2

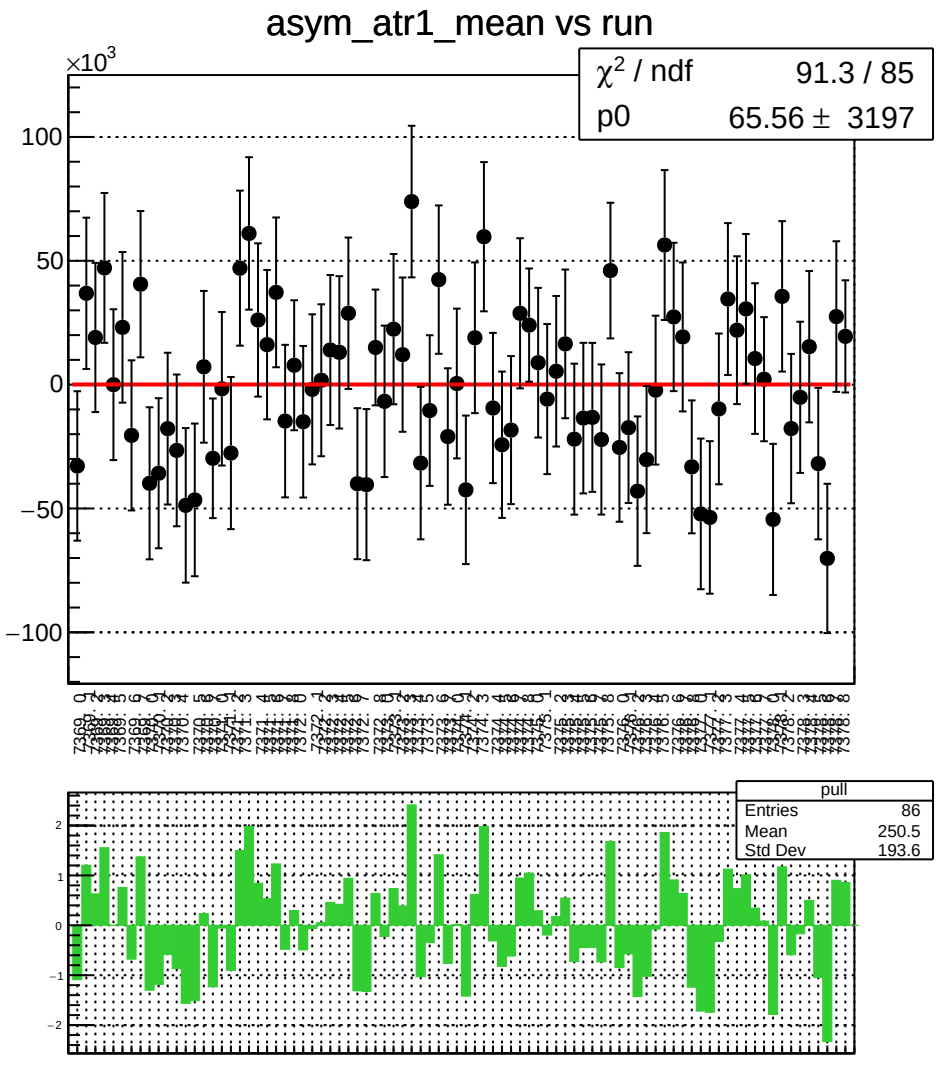

pull1D
Entries 86
Mean −0.008466
Std Dev 0.9837
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

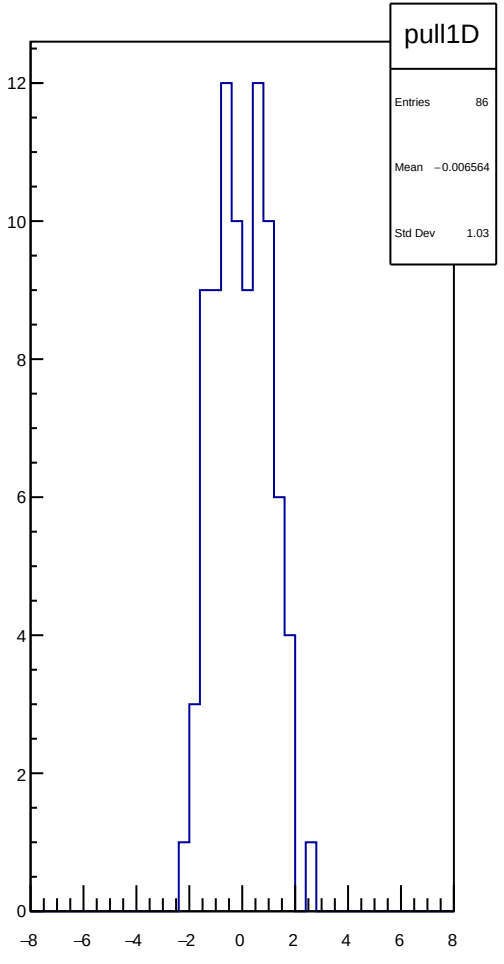

dit_asym_atr1_rms vs run
χ² / ndf 102 / 85
p0 2774 ± 2.173
2860
2840
2820
2800
2780
2760
2740
2720
2700
2680

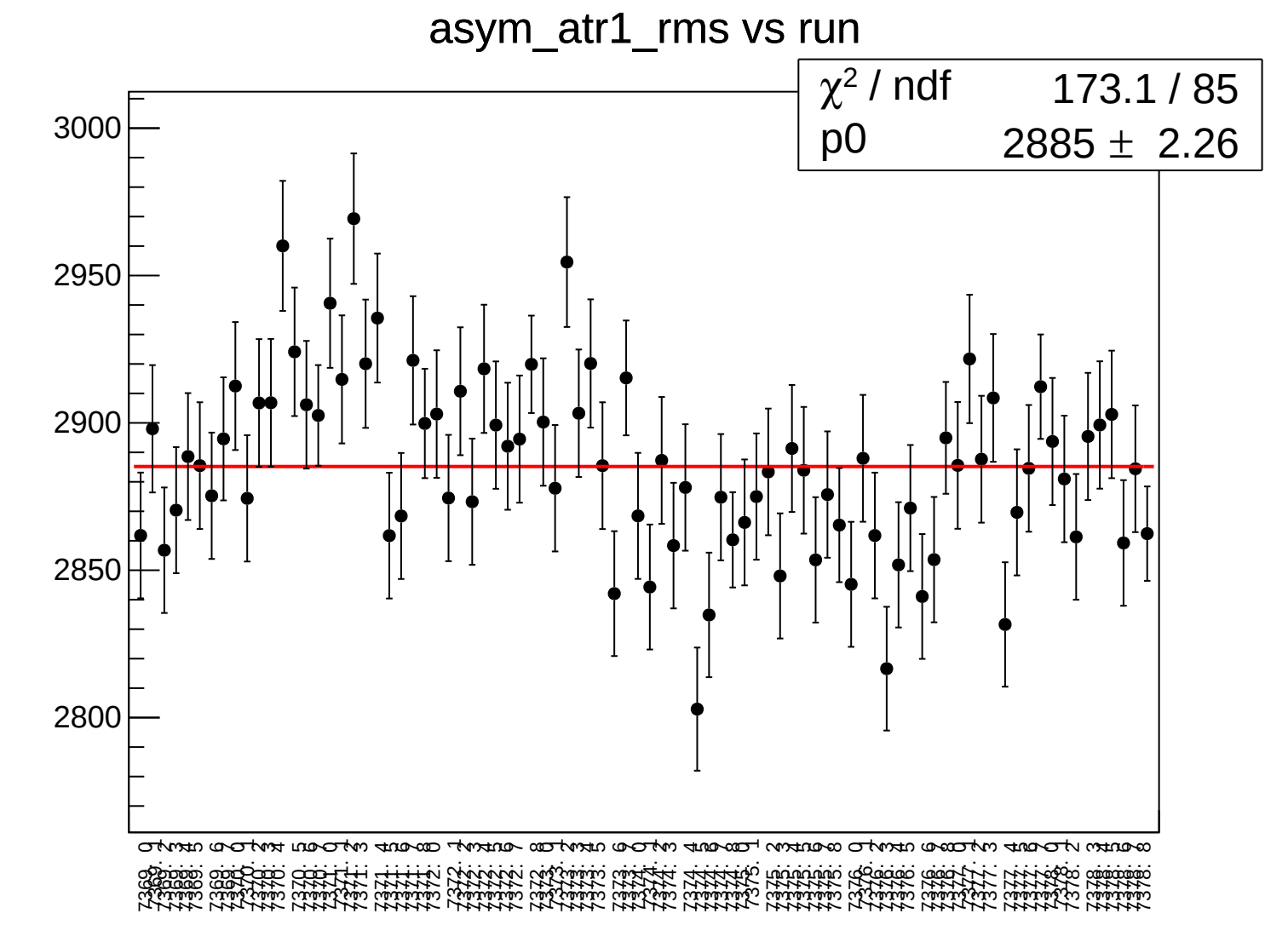

asym_atr1_correction_mean vs run
χ² / ndf 80.63 / 85
p0 −576.6 ± 880.8
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −173.3
Std Dev 235.3
2
1
0
−1
−2

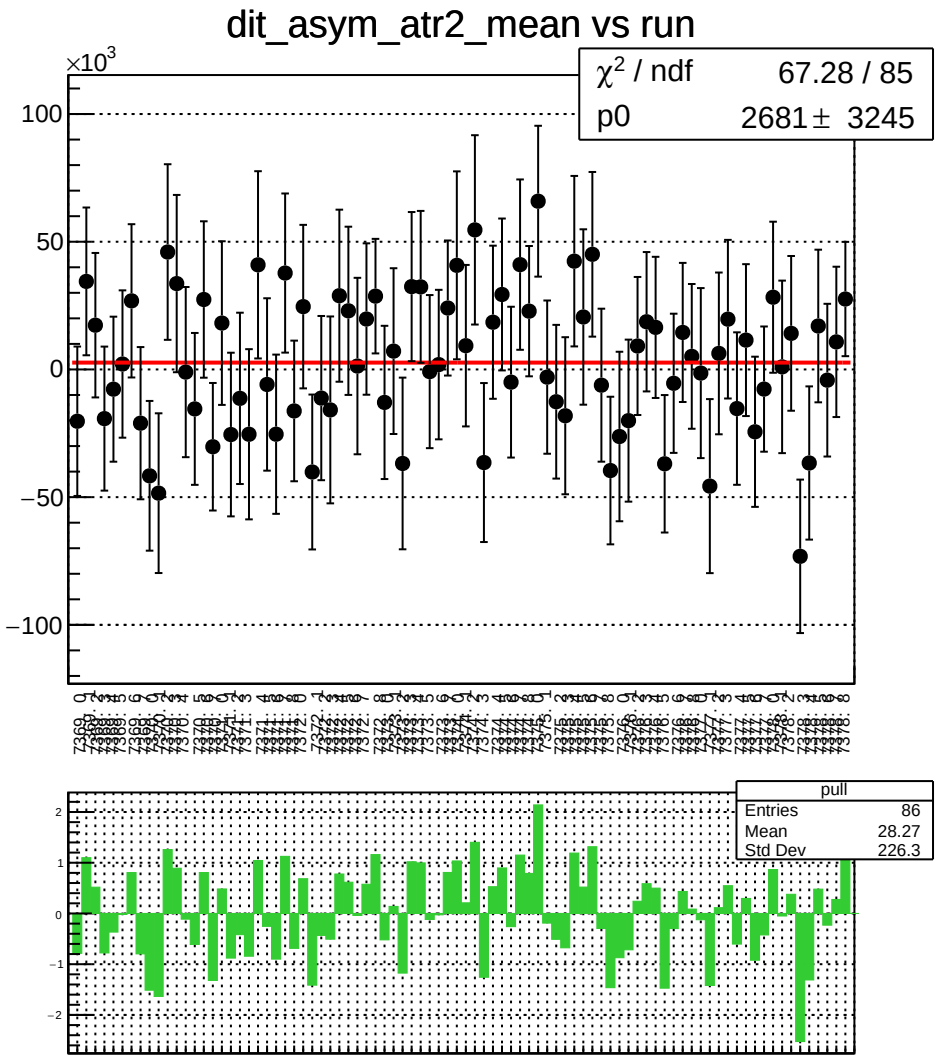

pull1D
Entries 86
Mean 0.007124
Std Dev 0.9682
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

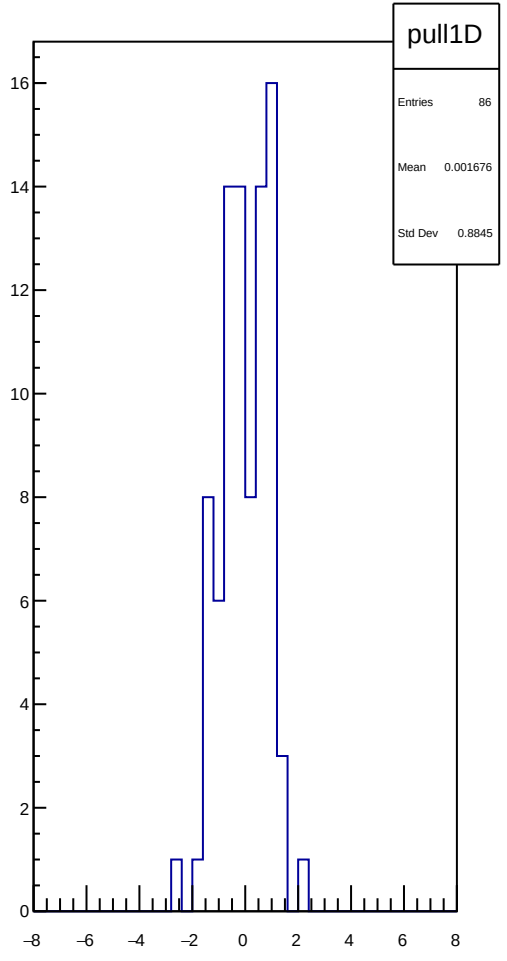

asym_atr1_correction_rms vs run
χ² / ndf 8460 / 85
p0 793 ± 0.6228
900
850
800
750
700

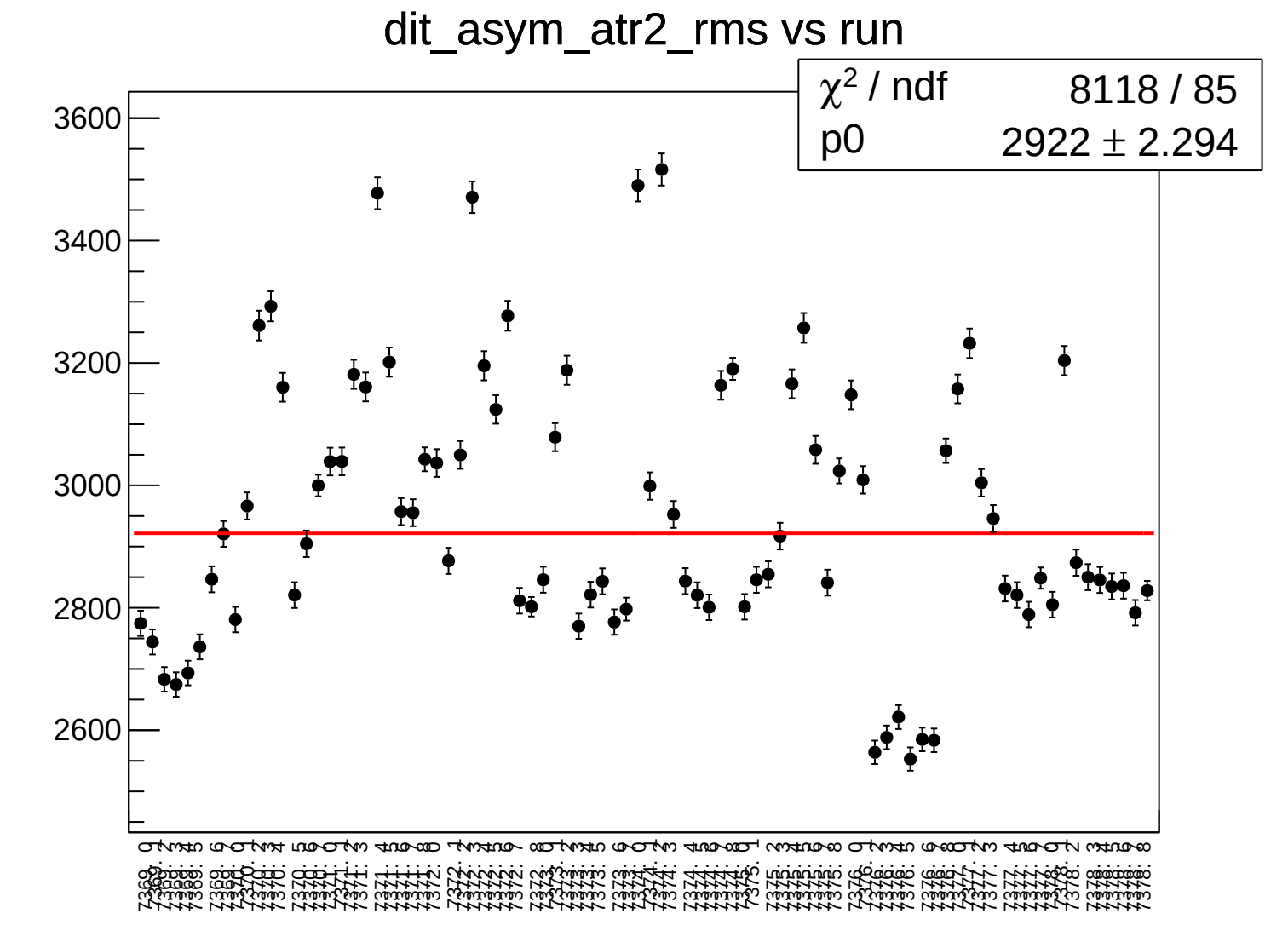

asym_atr1_mean vs run
×10^3
χ² / ndf 91.3 / 85
p0 65.56 ± 3197
100
50
0
−50
−100
pull
Entries 86
Mean 250.5
Std Dev 193.6
2
1
0
−1
−2

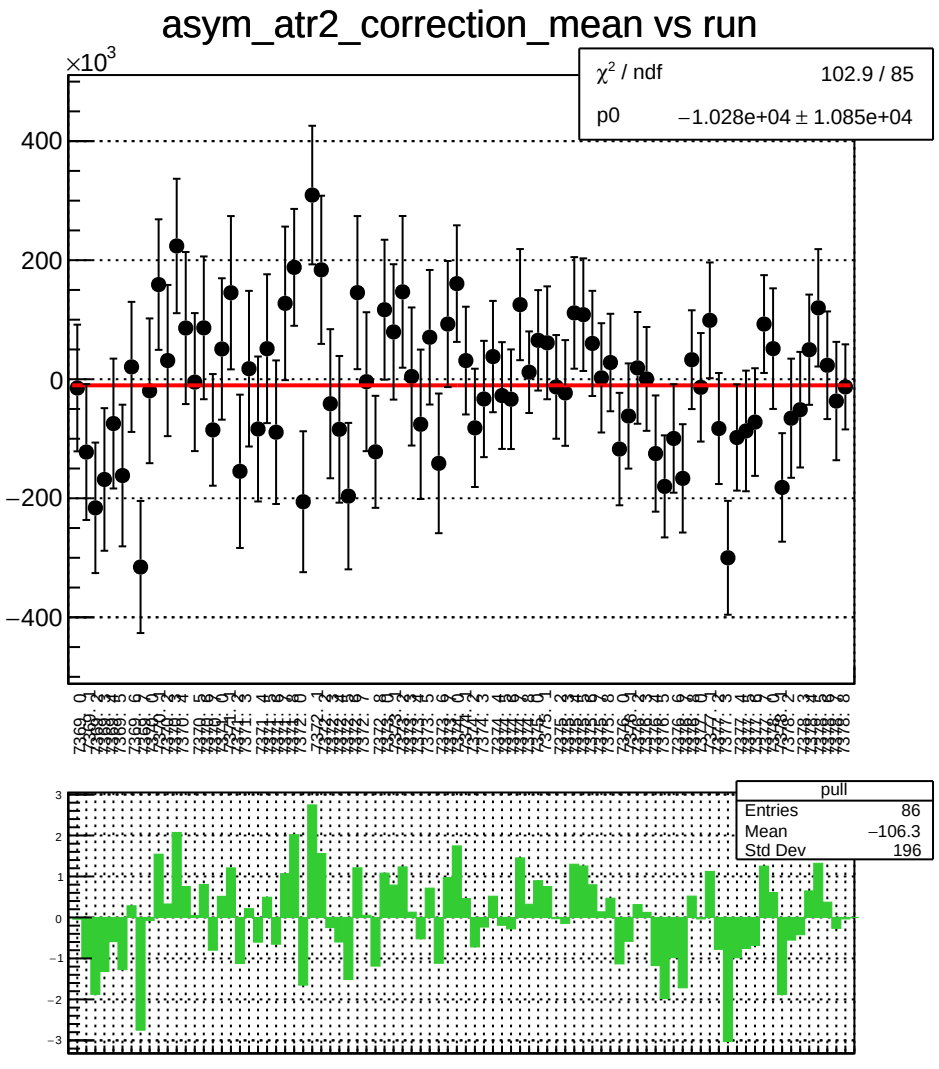

pull1D
Entries 86
Mean −0.006564
Std Dev 1.03
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

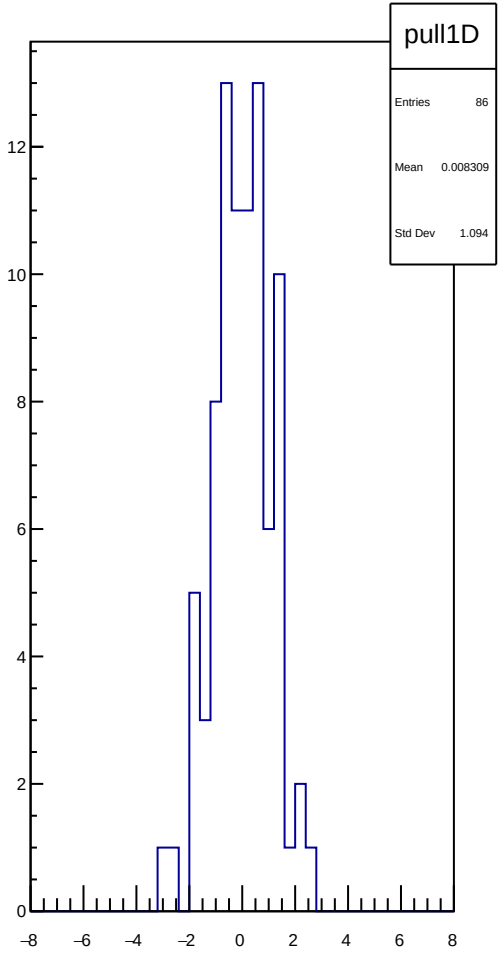

asym_atr1_rms vs run
χ² / ndf 173.1 / 85
p0 2885 ± 2.26
3000
2950
2900
2850
2800

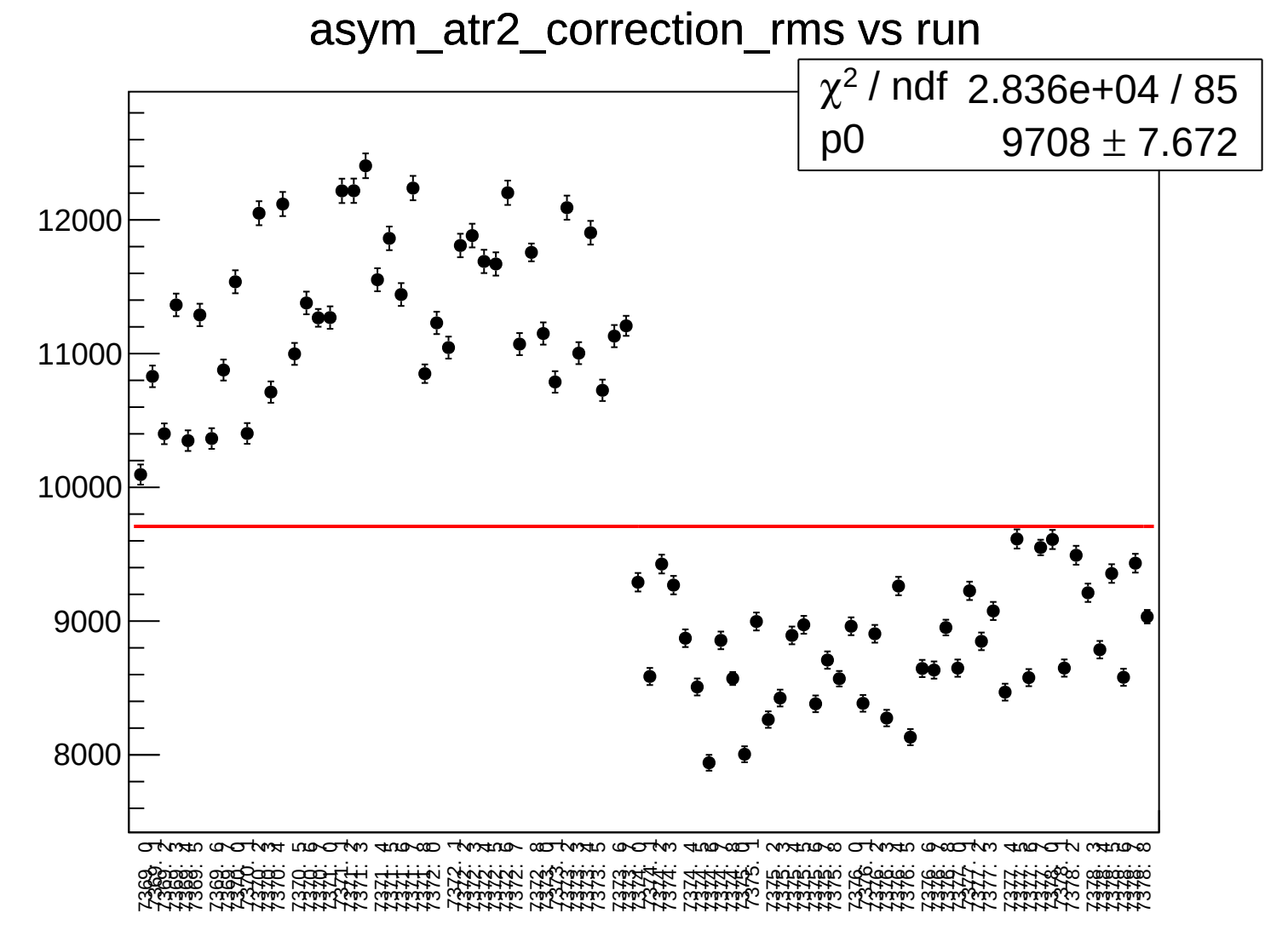

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 67.28 / 85
p0 2681 ± 3245
100
50
0
−50
−100
pull
Entries 86
Mean 28.27
Std Dev 226.3
2
1
0
−1
−2

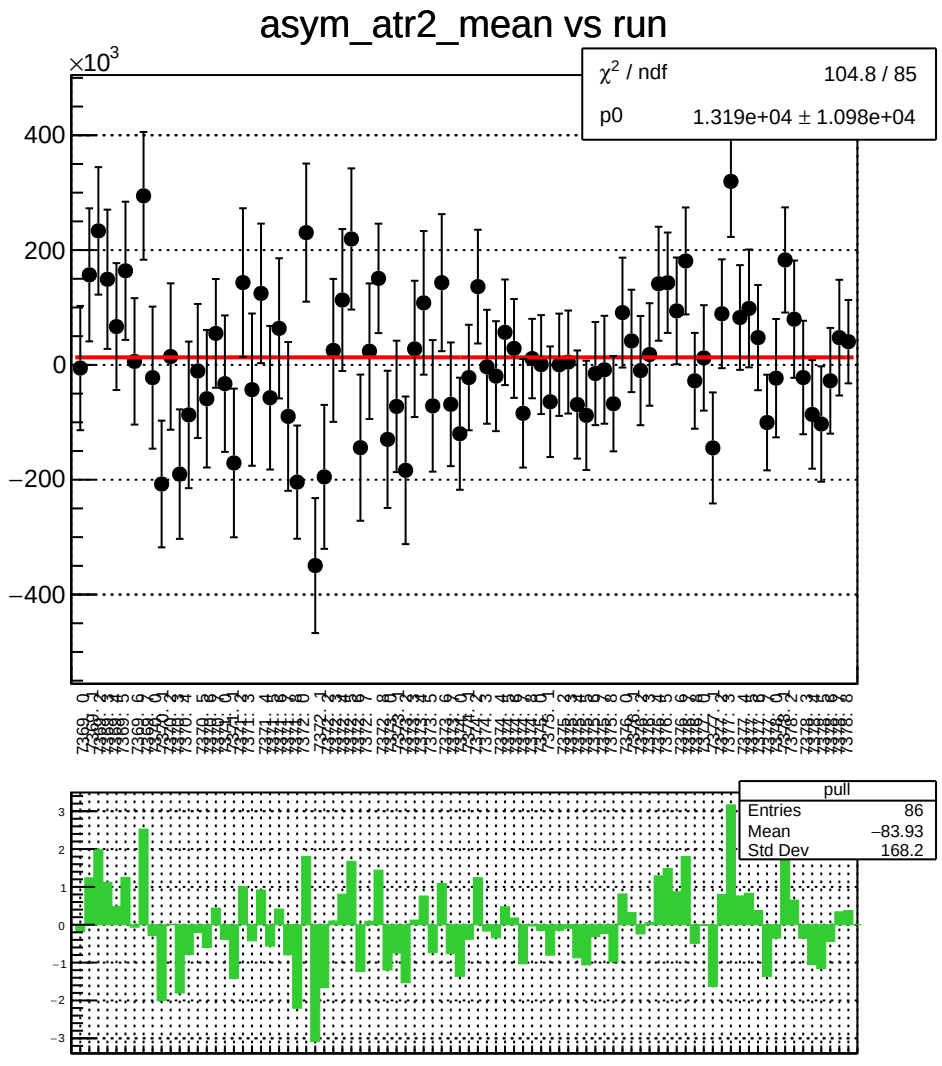

pull1D
Entries 86
Mean 0.001676
Std Dev 0.8845
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

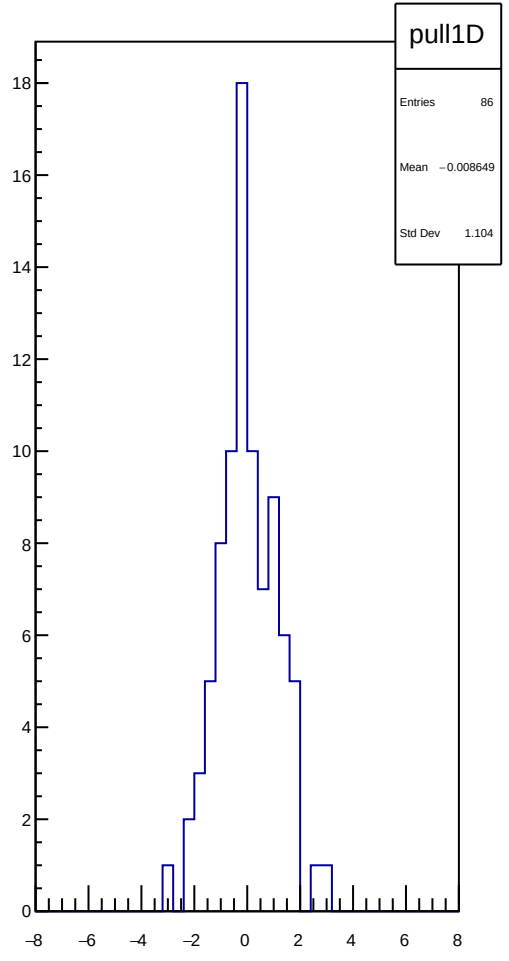

dit_asym_atr2_rms vs run
χ² / ndf 8118 / 85
p0 2922 ± 2.294
3600
3400
3200
3000
2800
2600

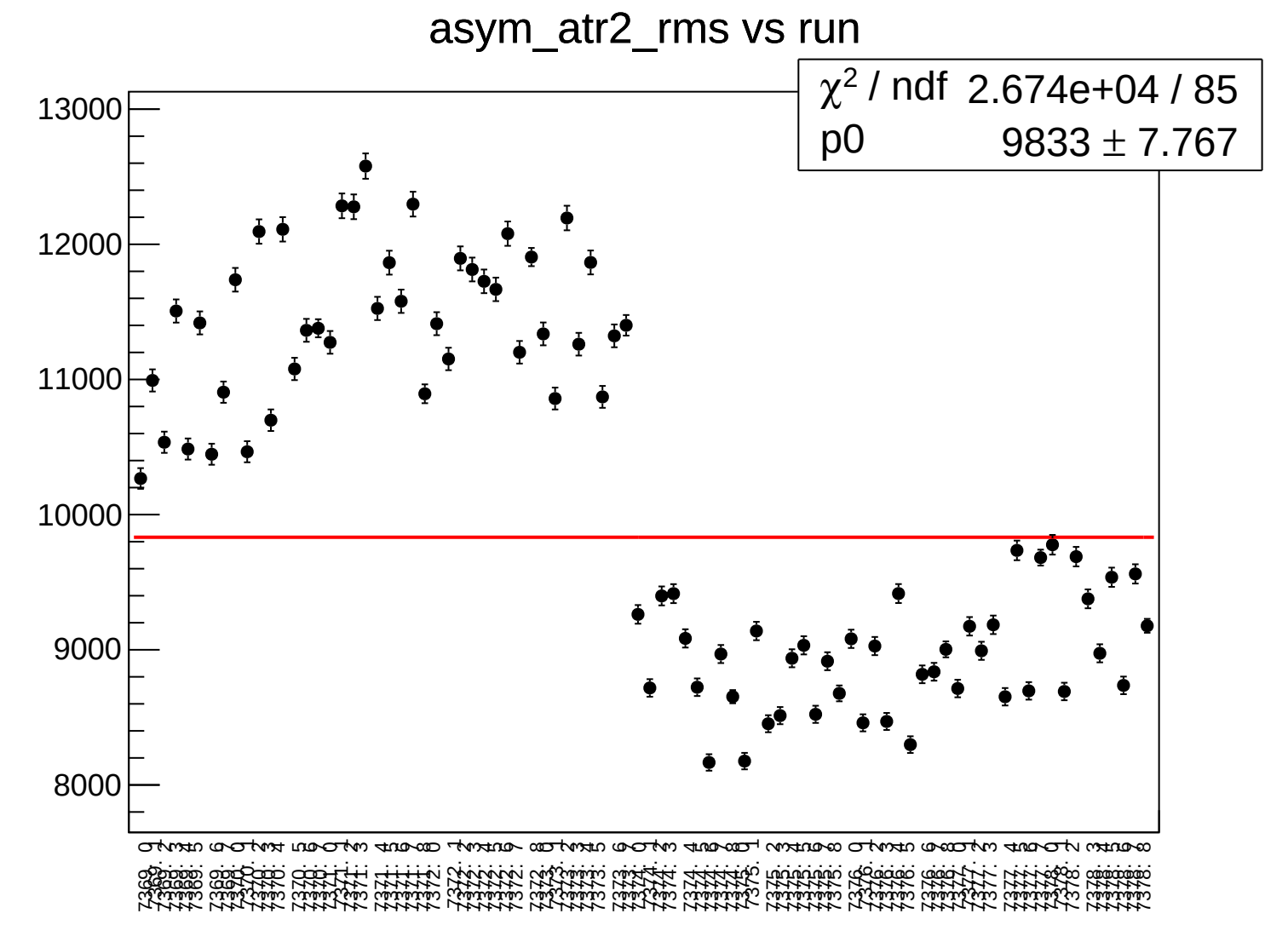

asym_atr2_correction_mean vs run
×10^3
χ² / ndf 102.9 / 85
p0 −1.028e+04 ± 1.085e+04
400
200
0
−200
−400
pull
Entries 86
Mean −106.3
Std Dev 196
3
2
1
0
−1
−2
−3

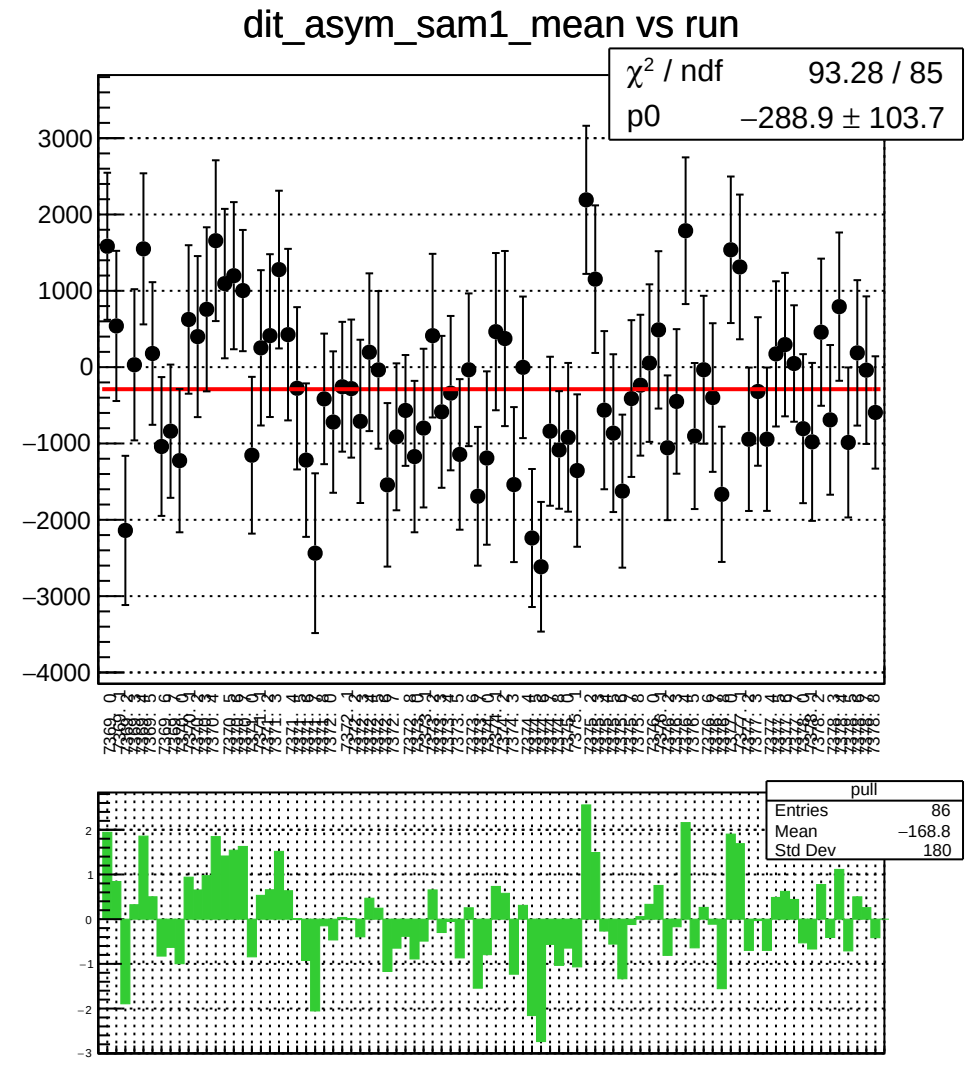

pull1D
Entries 86
Mean 0.008309
Std Dev 1.094
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

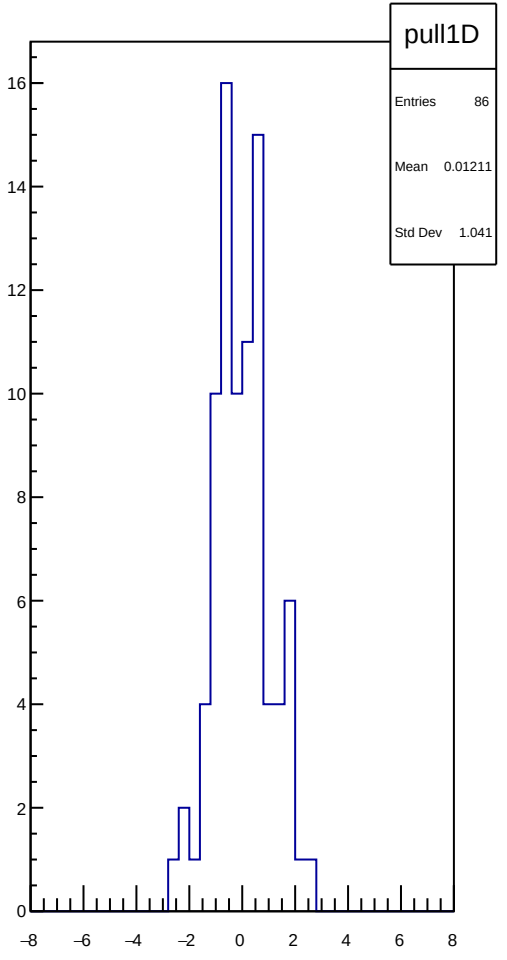

asym_atr2_correction_rms vs run
χ² / ndf 2.836e+04 / 85
p0 9708 ± 7.672
12000
11000
10000
9000
8000

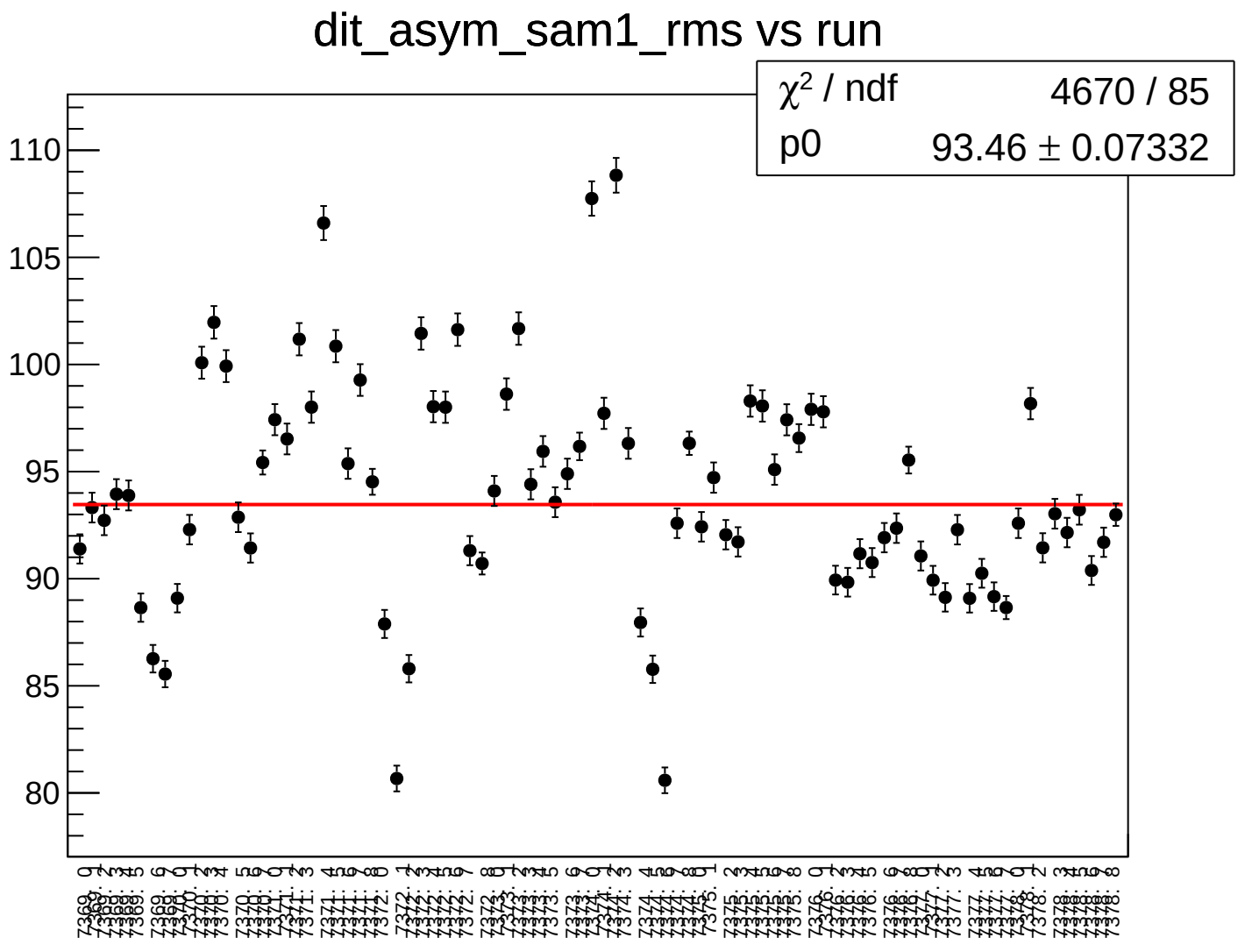

asym_atr2_mean vs run
×10^3
χ² / ndf 104.8 / 85
p0 1.319e+04 ± 1.098e+04
400
200
0
−200
−400
pull
Entries 86
Mean −83.93
Std Dev 168.2
3
2
1
0
−1
−2
−3

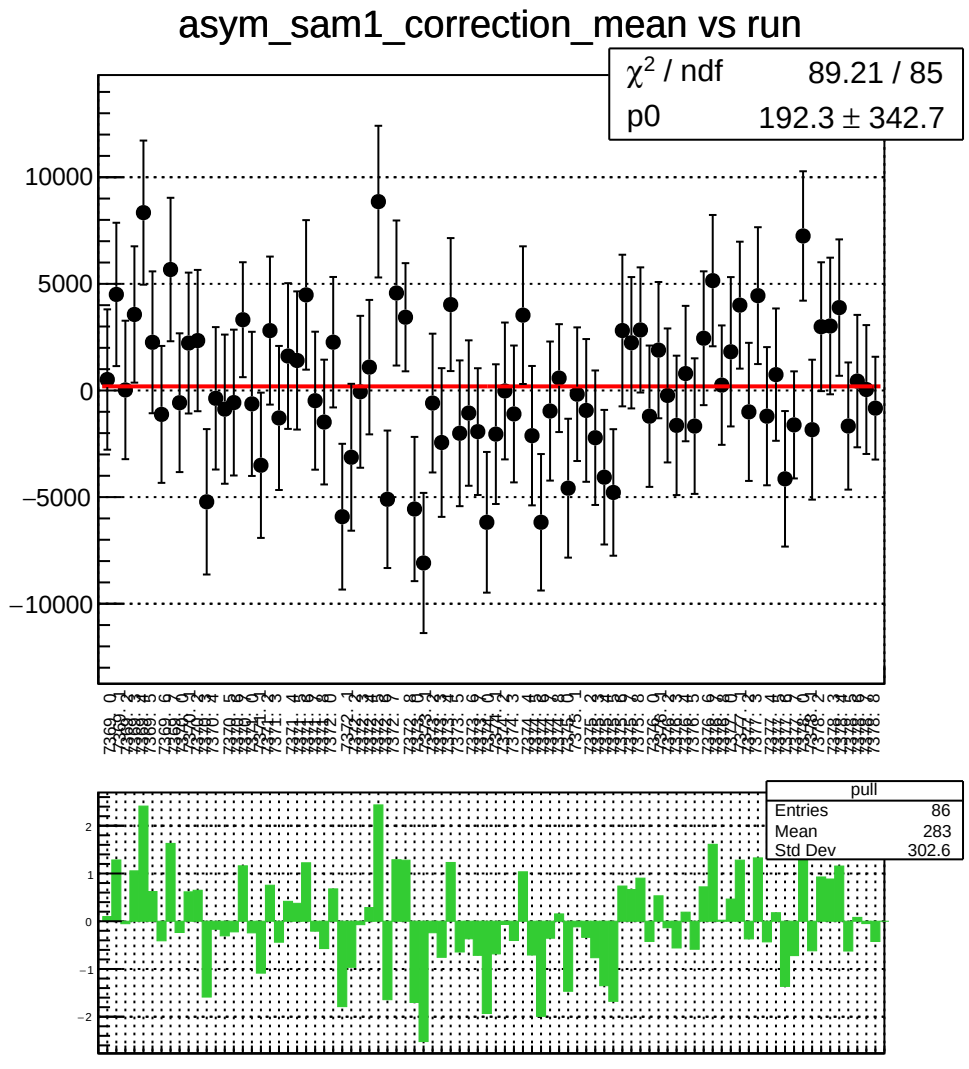

pull1D
Entries 86
Mean −0.008649
Std Dev 1.104
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

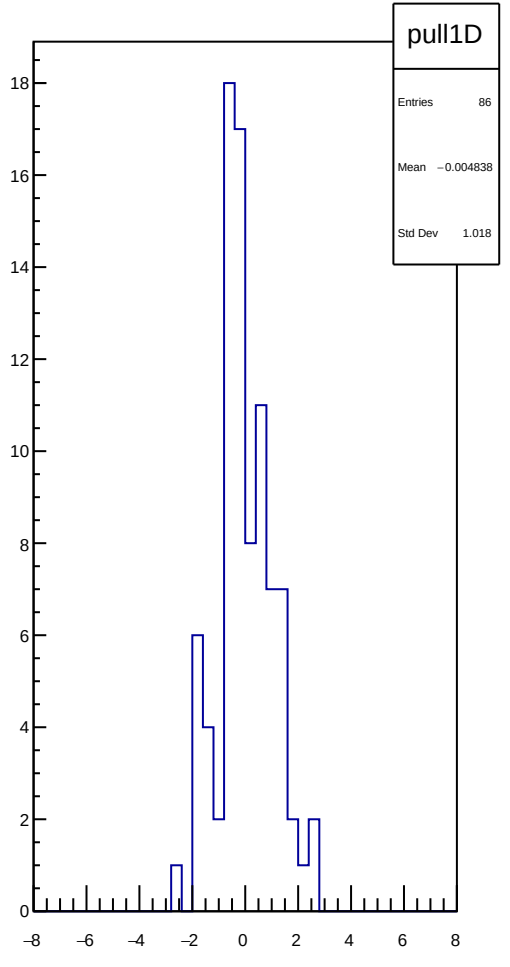

asym_atr2_rms vs run
χ² / ndf 2.674e+04 / 85
p0 9833 ± 7.767
13000
12000
11000
10000
9000
8000

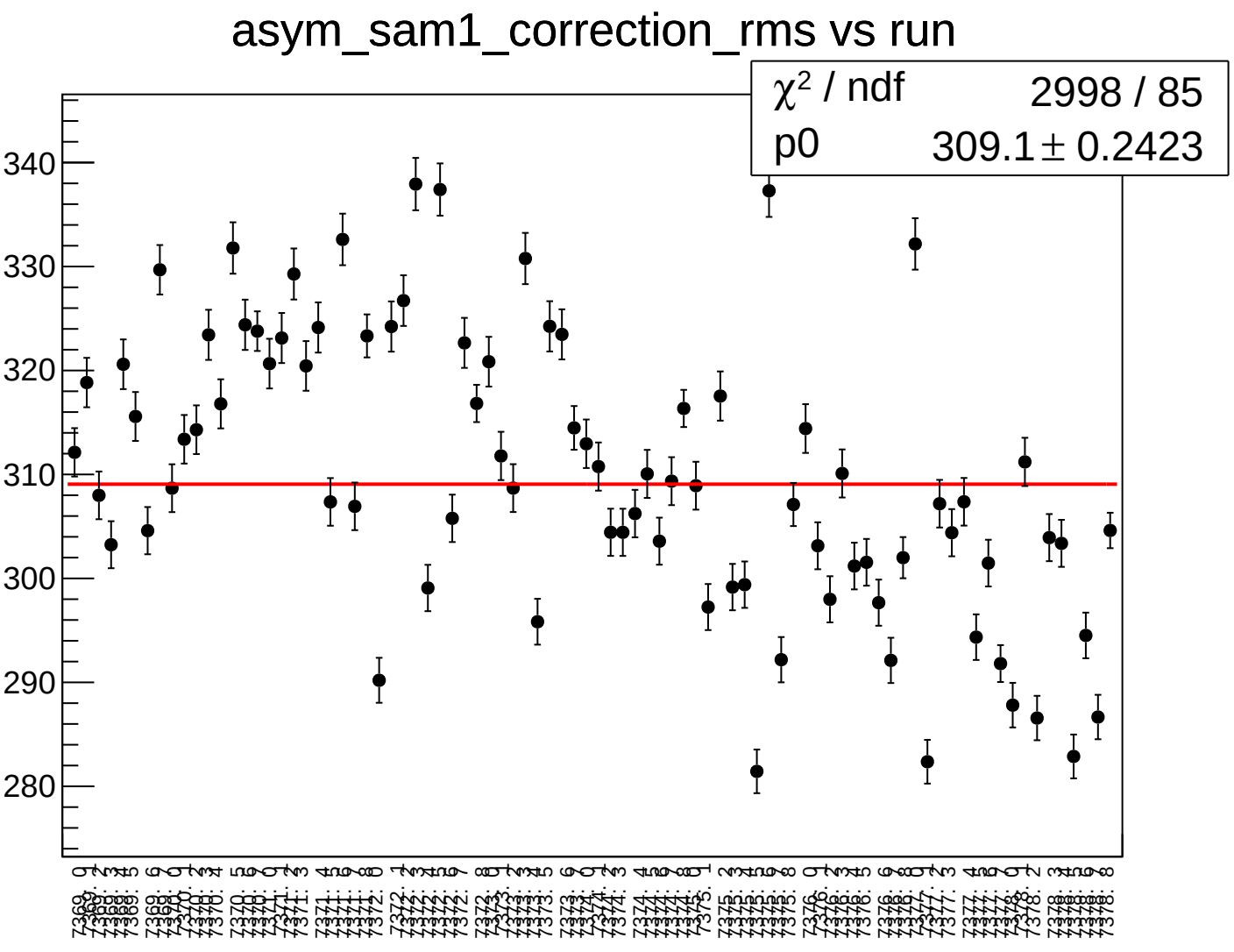

dit_asym_sam1_mean vs run
χ² / ndf 93.28 / 85
p0 −288.9 ± 103.7
pull
Entries 86
Mean −168.8
Std Dev 180

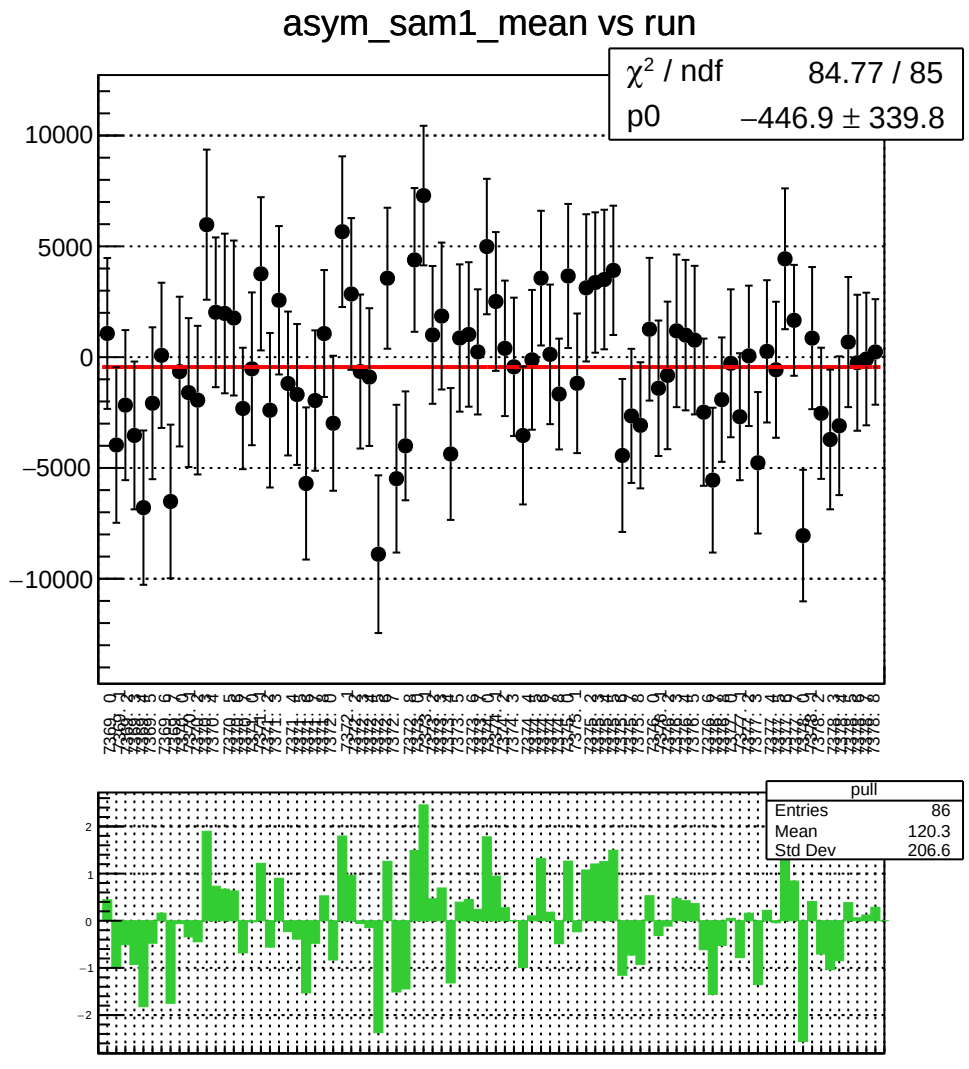

pull1D
Entries 86
Mean 0.01211
Std Dev 1.041

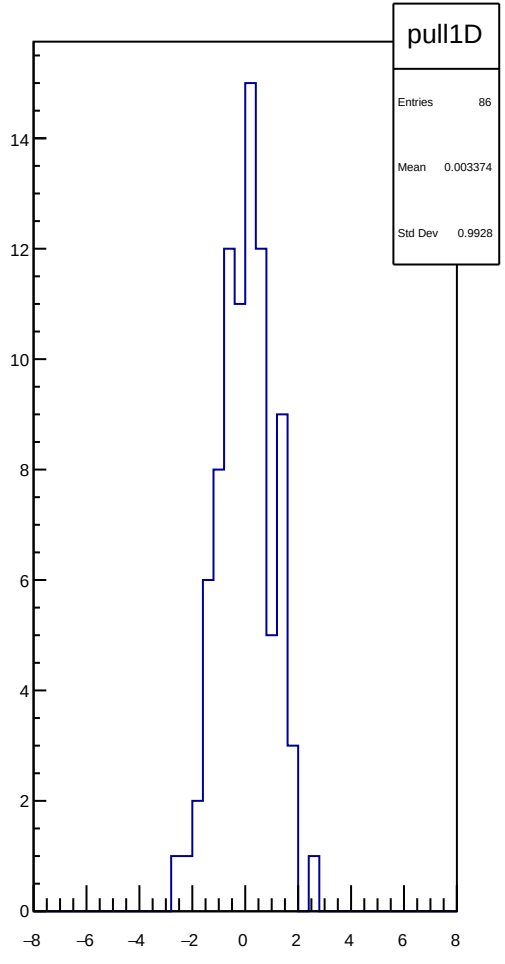

dit_asym_sam1_rms vs run
χ² / ndf 4670 / 85
p0 93.46 ± 0.07332
110
105
100
95
90
85
80

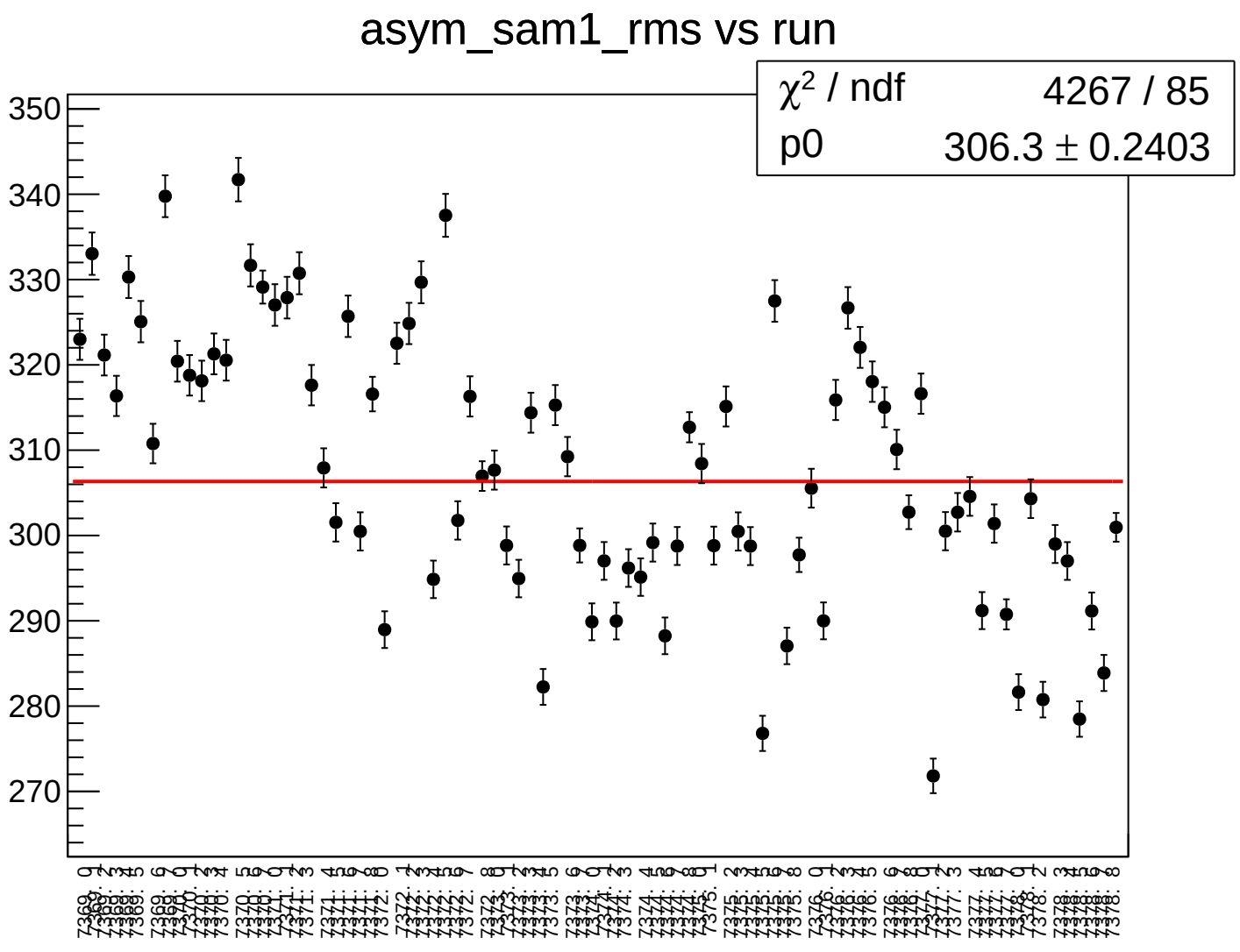

asym_sam1_correction_mean vs run
χ² / ndf 89.21 / 85
p0 192.3 ± 342.7
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 283
Std Dev 302.6
2
1
0
−1
−2

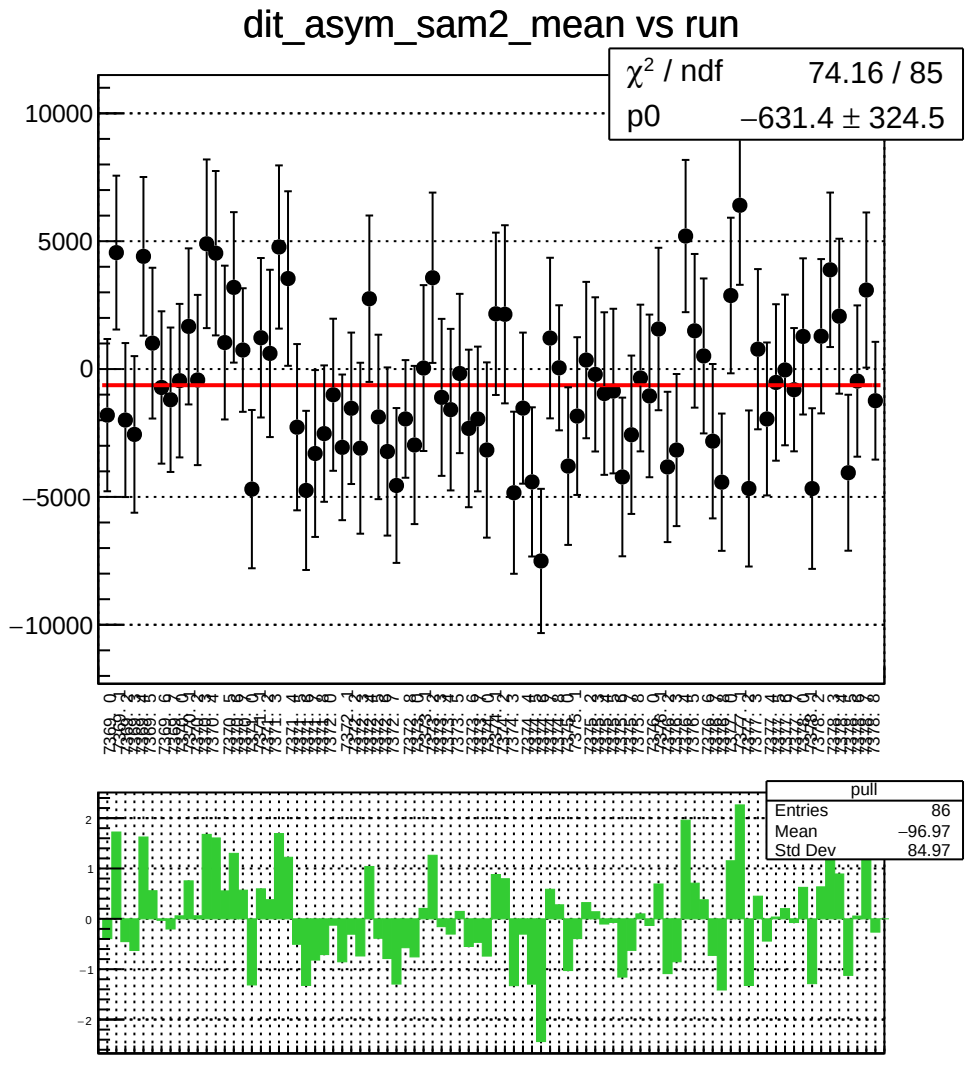

pull1D
Entries 86
Mean −0.004838
Std Dev 1.018
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

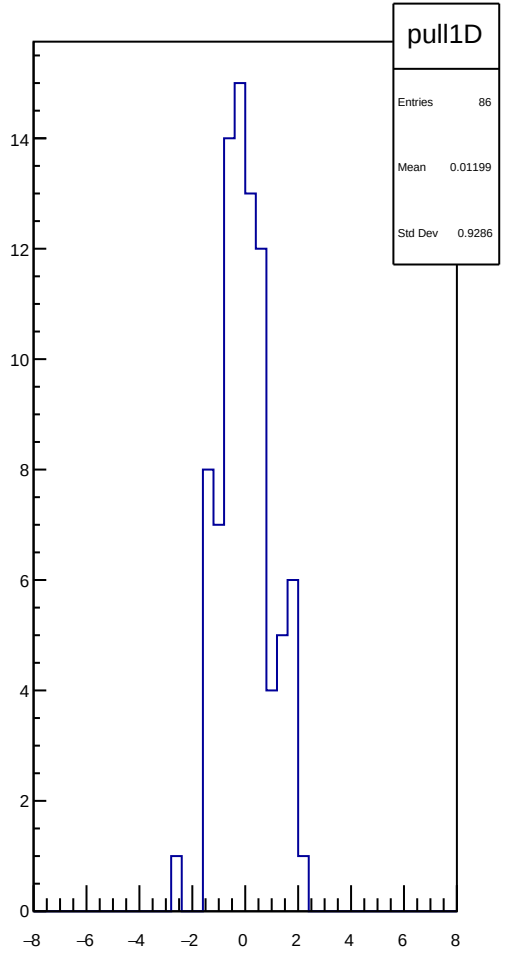

asym_sam1_correction_rms vs run
χ² / ndf 2998 / 85
p0 309.1 ± 0.2423
340
330
320
310
300
290
280

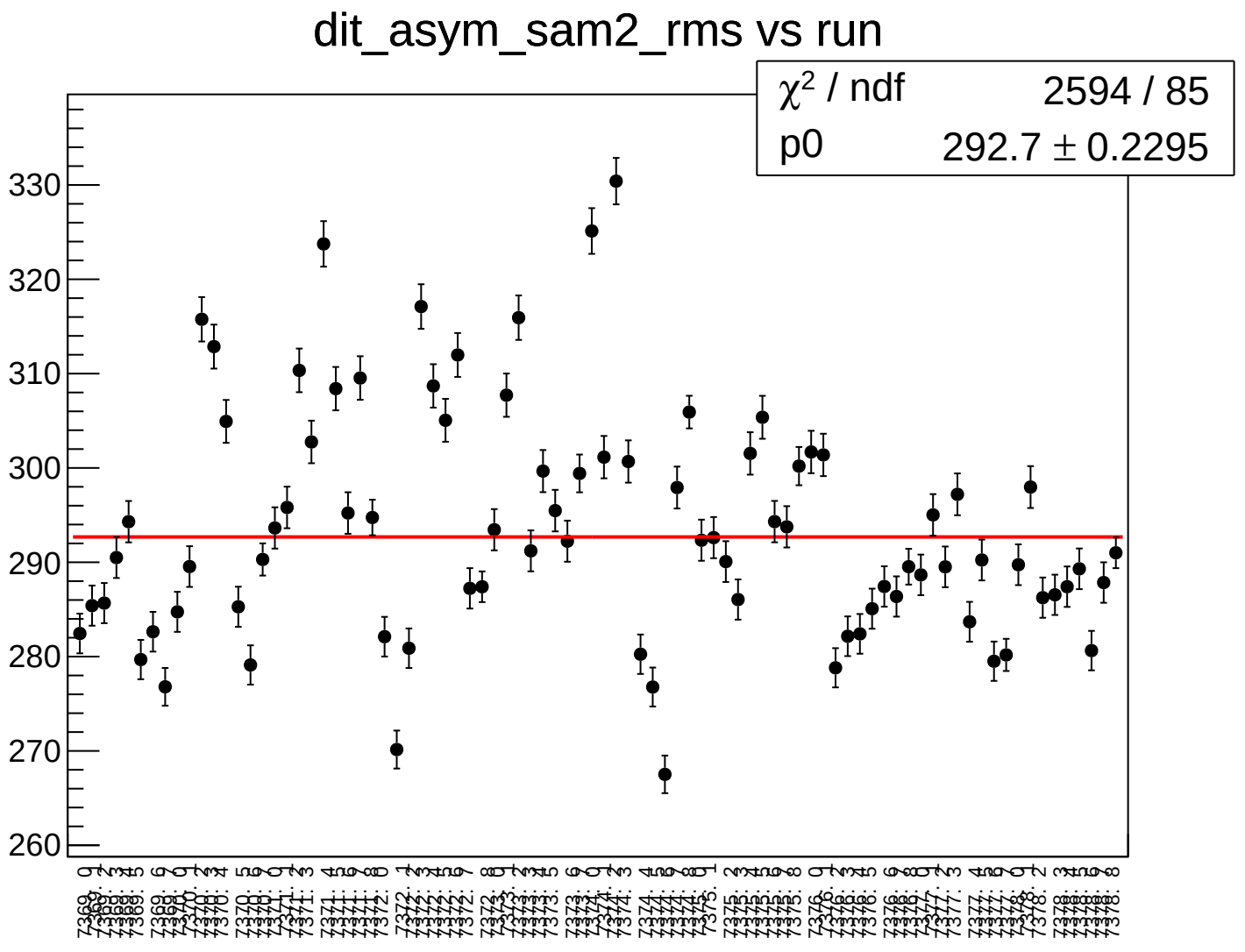

asym_sam1_mean vs run
χ² / ndf 84.77 / 85
p0 −446.9 ± 339.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 120.3
Std Dev 206.6
2
1
0
−1
−2

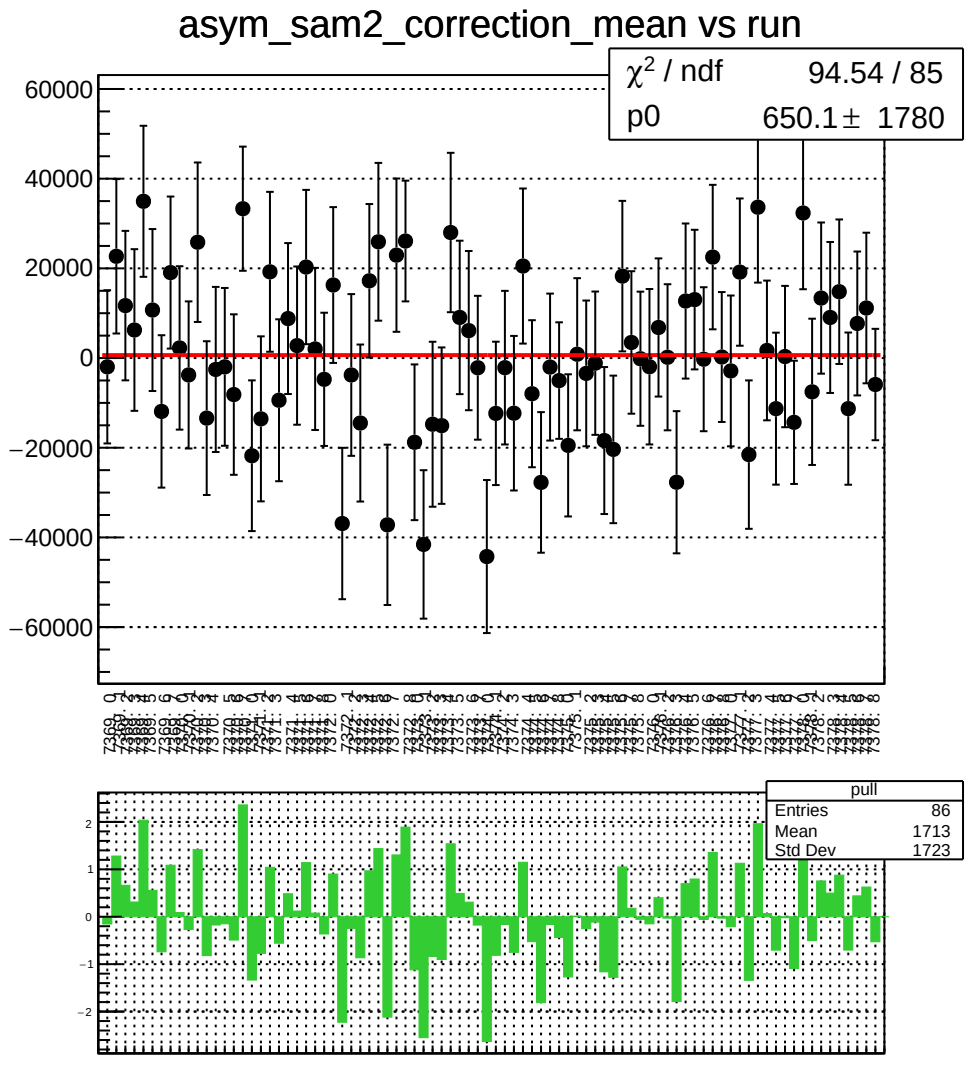

pull1D
Entries 86
Mean 0.003374
Std Dev 0.9928
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

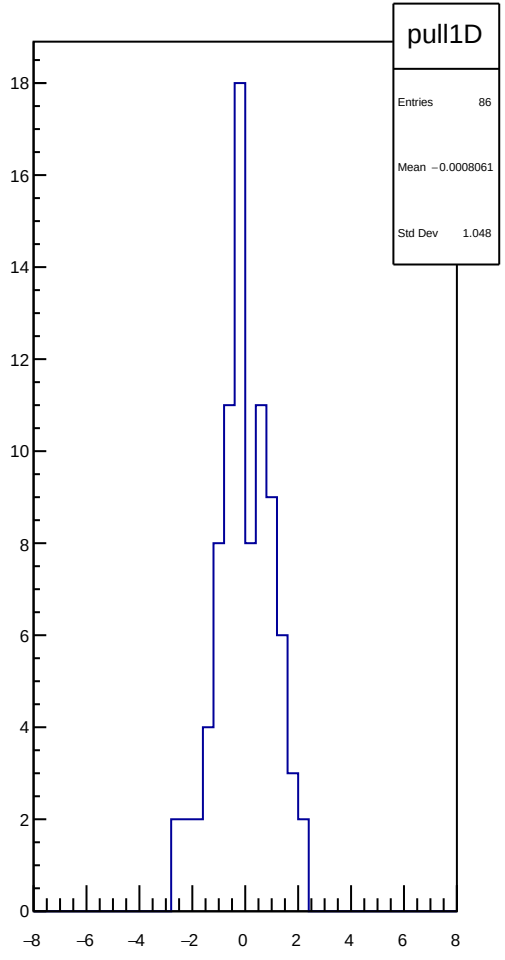

asym_sam1_rms vs run
χ² / ndf 4267 / 85
p0 306.3 ± 0.2403
350
340
330
320
310
300
290
280
270

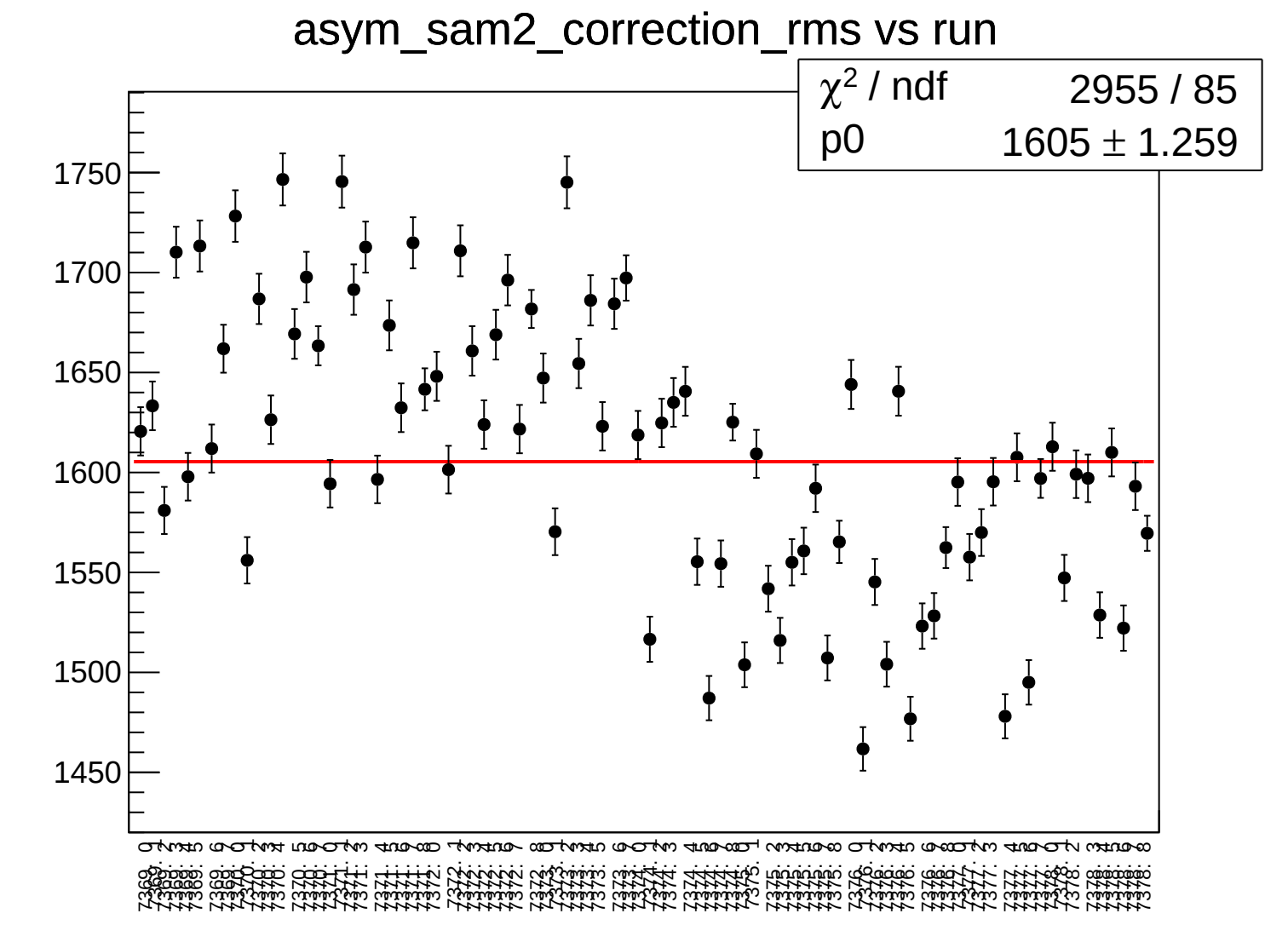

dit_asym_sam2_mean vs run
χ² / ndf 74.16 / 85
p0 −631.4 ± 324.5
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −96.97
Std Dev 84.97
2
1
0
−1
−2

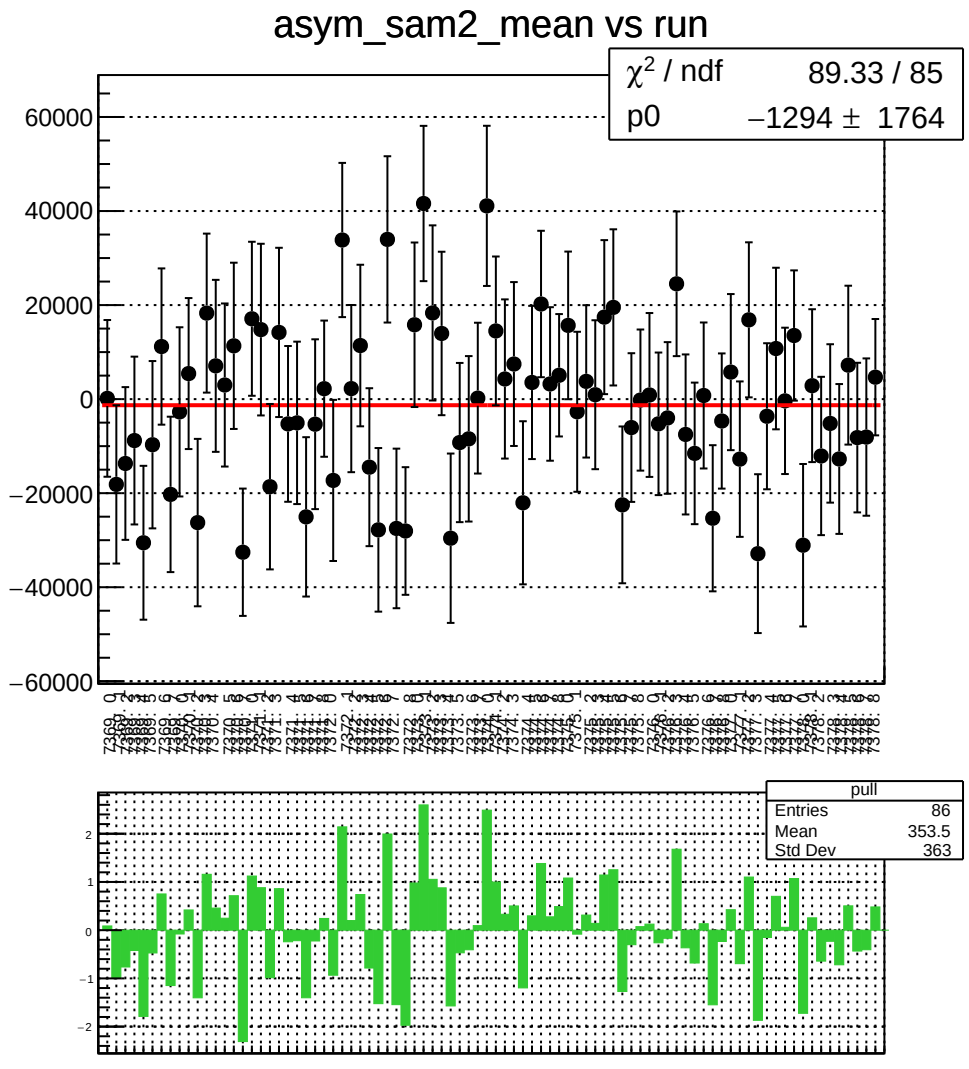

pull1D
Entries 86
Mean 0.01199
Std Dev 0.9286
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

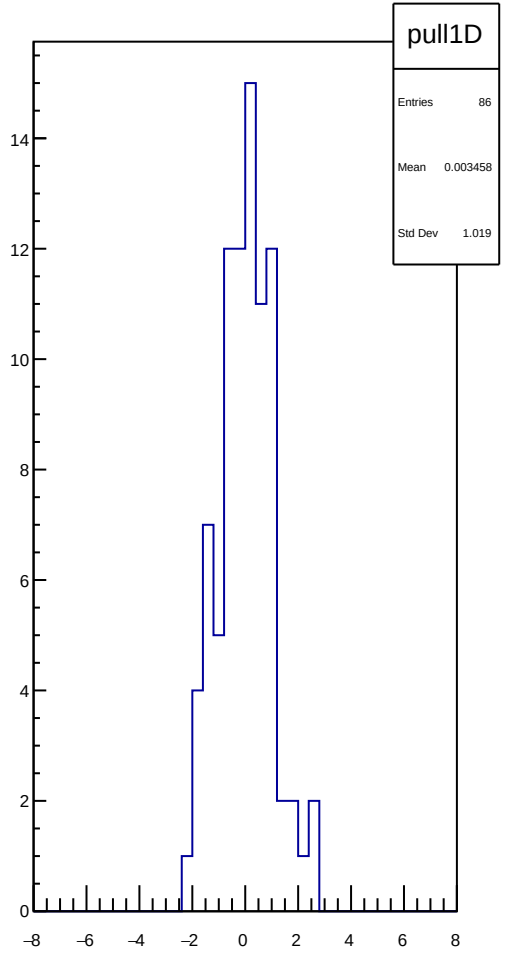

dit_asym_sam2_rms vs run
χ² / ndf 2594 / 85
p0 292.7 ± 0.2295
330
320
310
300
290
280
270
260

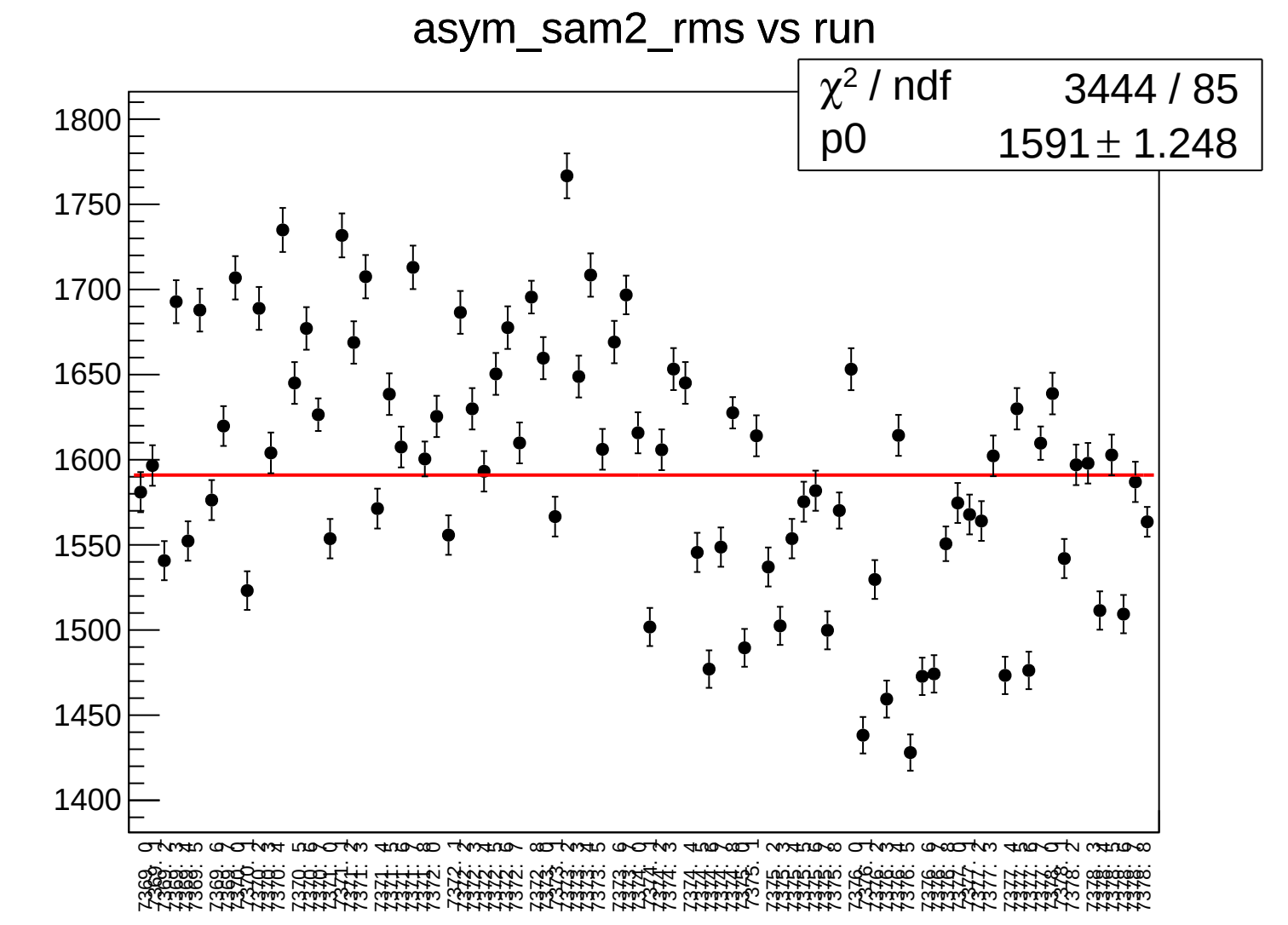

asym_sam2_correction_mean vs run
χ² / ndf 94.54 / 85
p0 650.1 ± 1780
pull
Entries 86
Mean 1713
Std Dev 1723

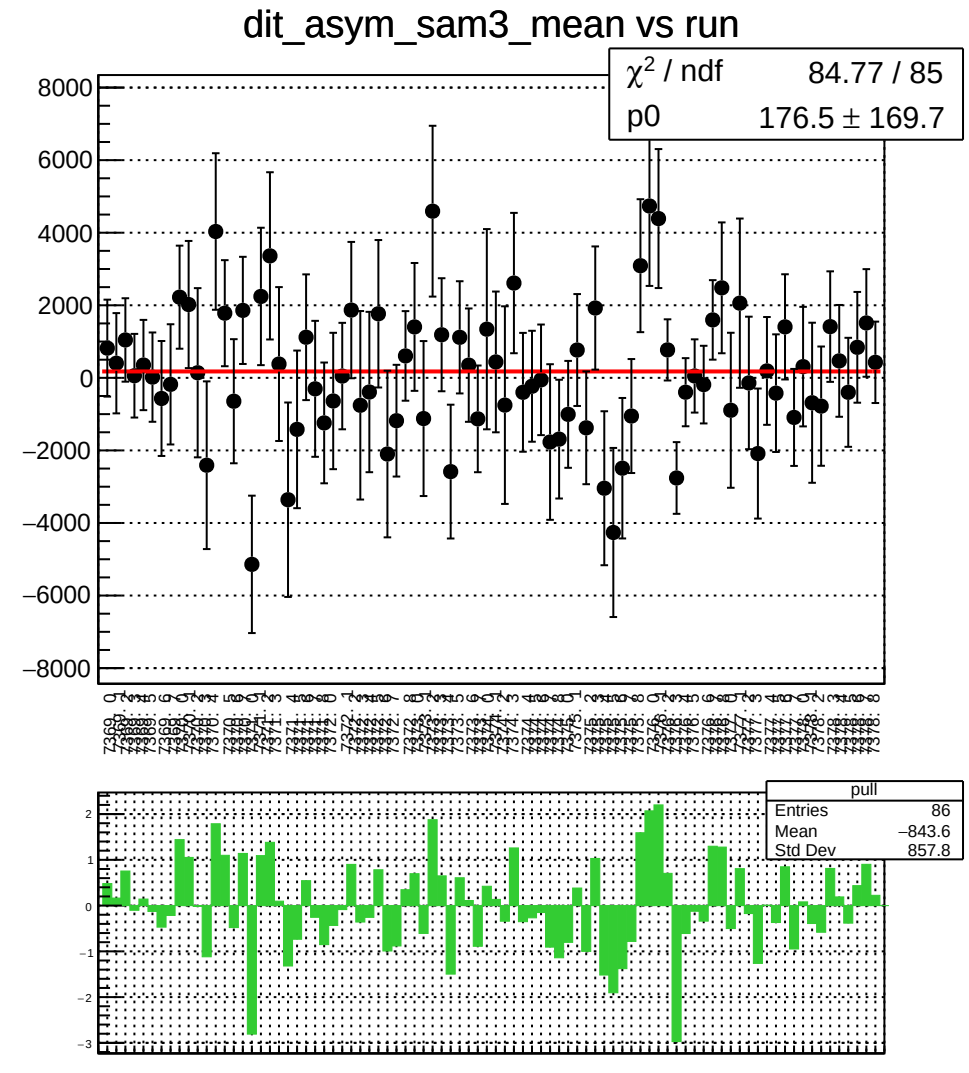

pull1D
Entries 86
Mean −0.0008061
Std Dev 1.048

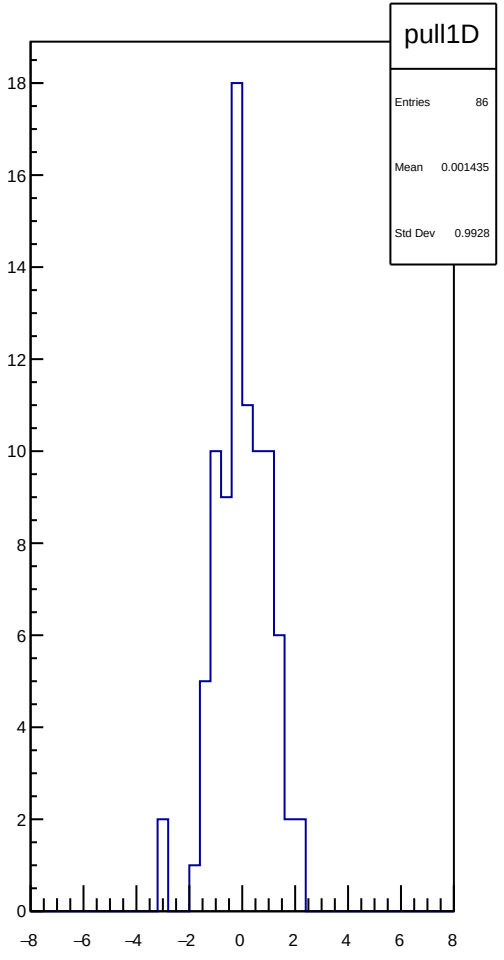

asym_sam2_correction_rms vs run
χ² / ndf 2955 / 85
p0 1605 ± 1.259
1750
1700
1650
1600
1550
1500
1450

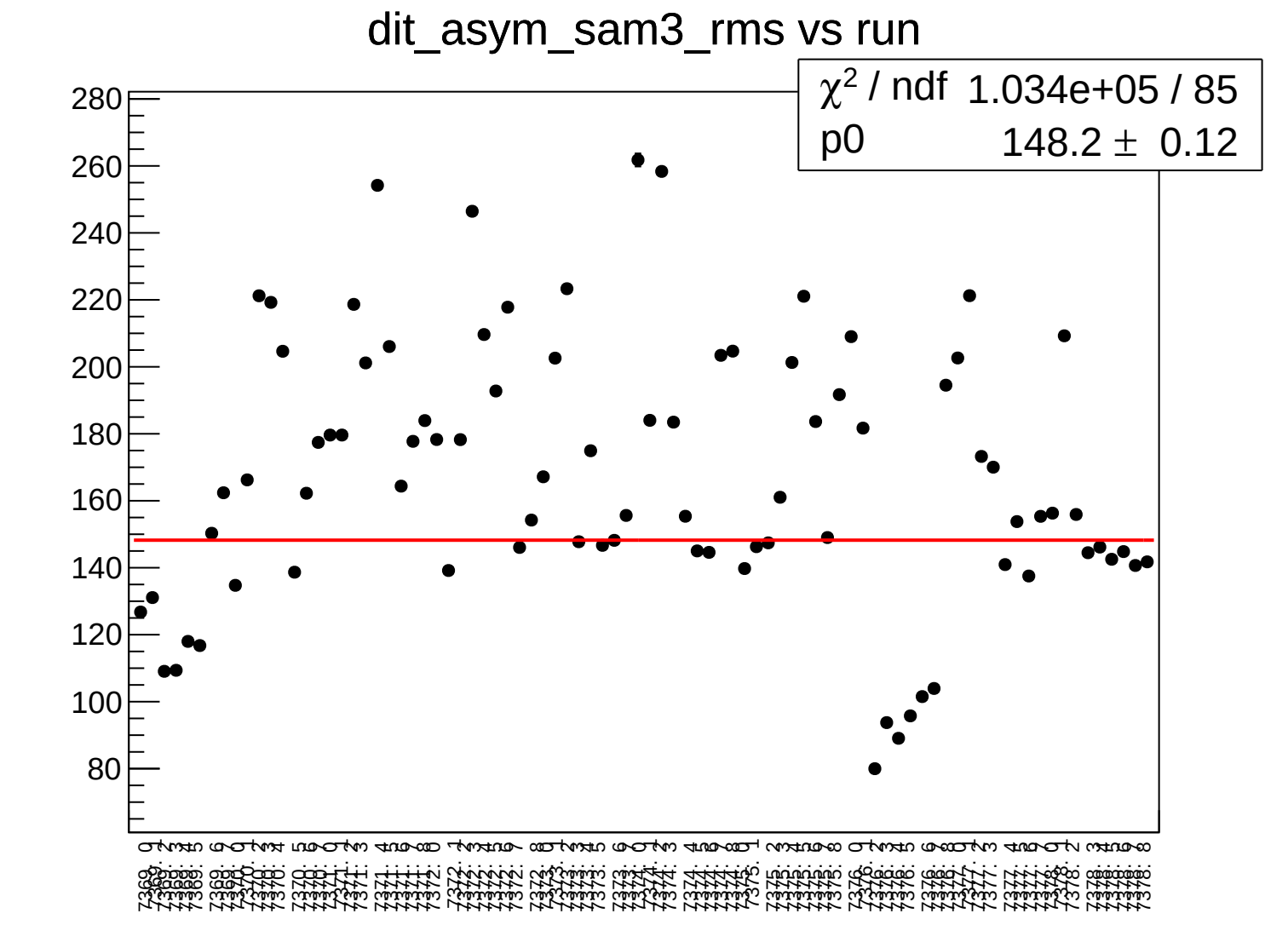

asym_sam2_mean vs run
χ² / ndf 89.33 / 85
p0 −1294 ± 1764
pull
Entries 86
Mean 353.5
Std Dev 363

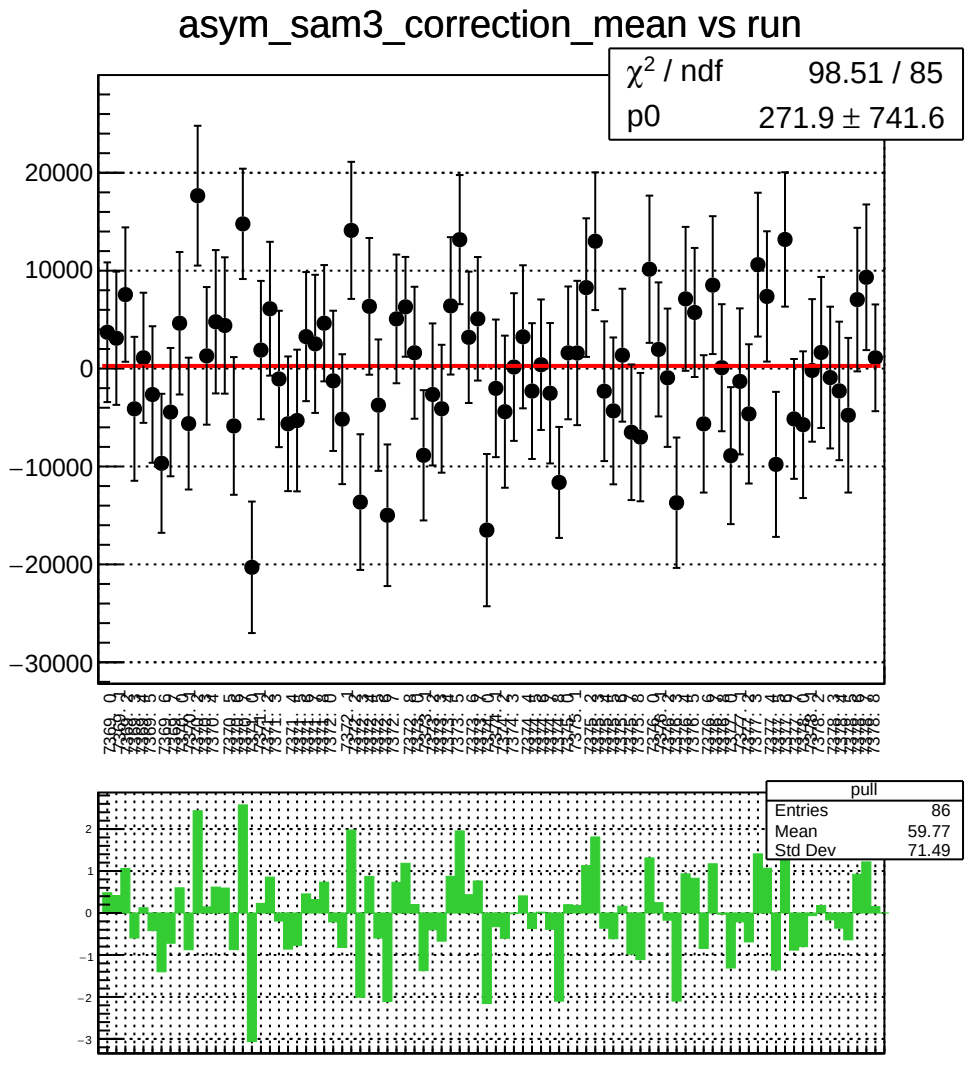

pull1D
Entries 86
Mean 0.003458
Std Dev 1.019

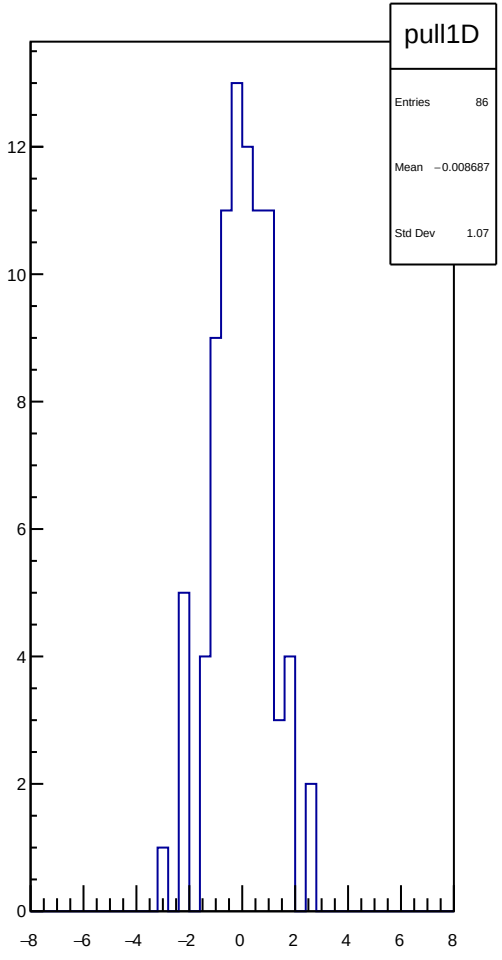

asym_sam2_rms vs run
χ² / ndf 3444 / 85
p0 1591 ± 1.248
1800
1750
1700
1650
1600
1550
1500
1450
1400

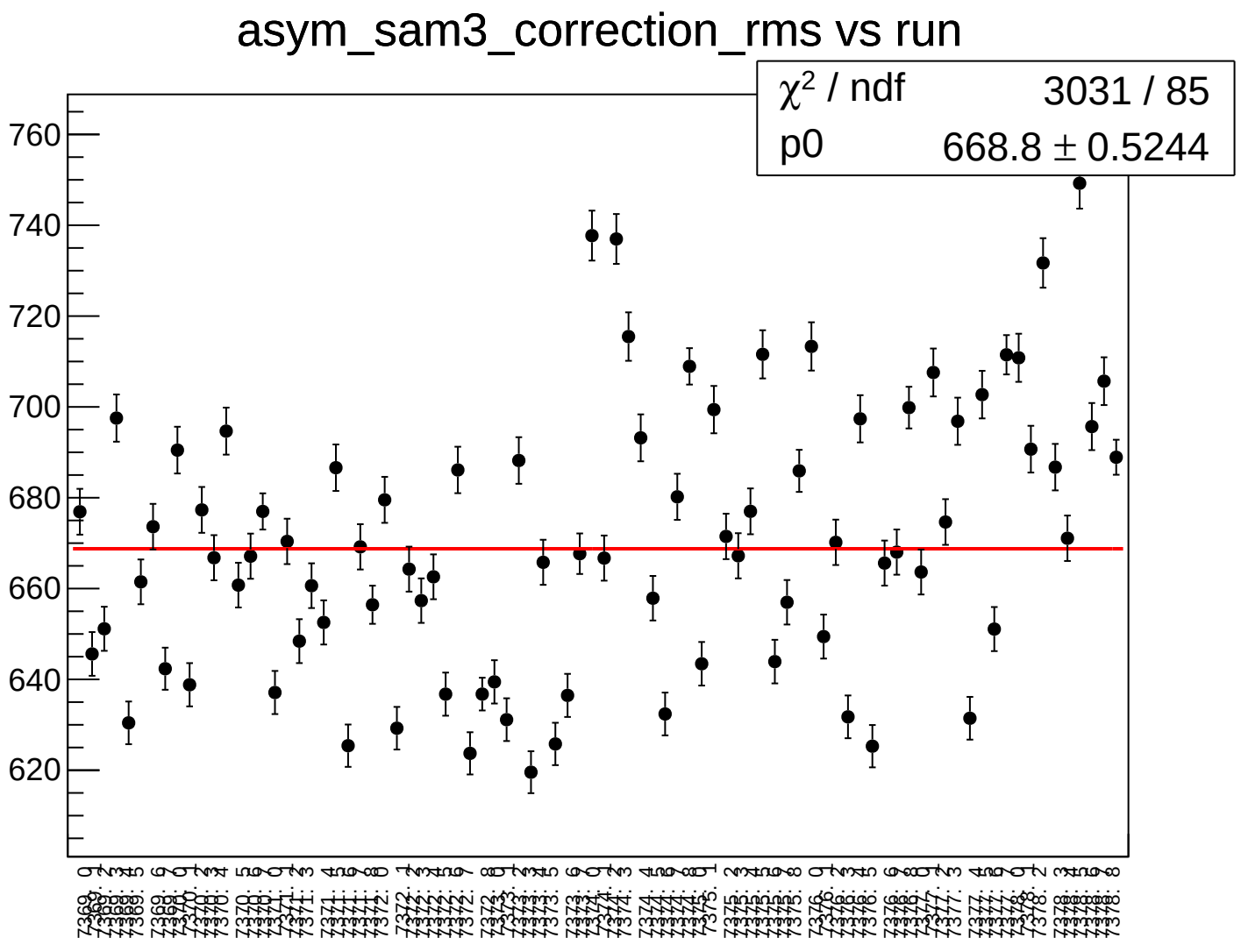

dit_asym_sam3_mean vs run
χ² / ndf 84.77 / 85
p0 176.5 ± 169.7
pull
Entries 86
Mean −843.6
Std Dev 857.8

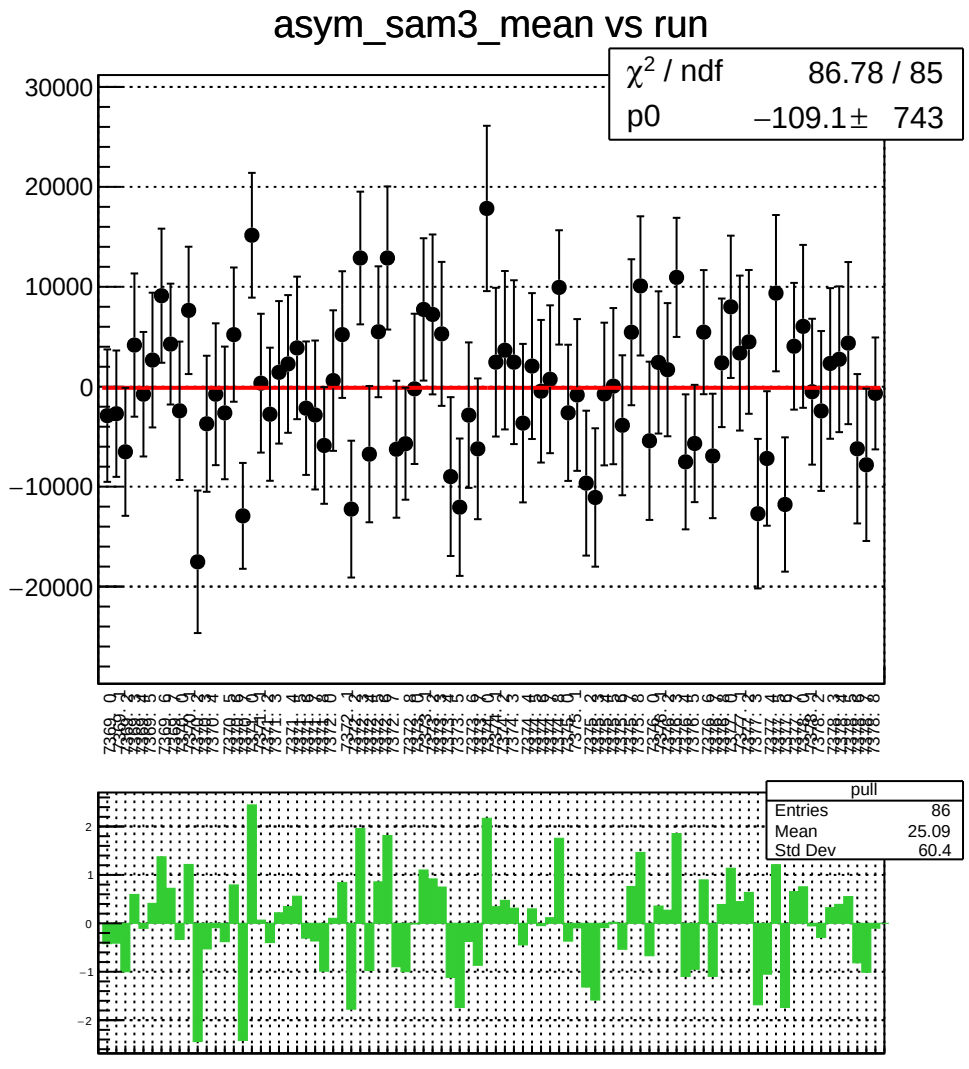

pull1D
Entries 86
Mean 0.001435
Std Dev 0.9928

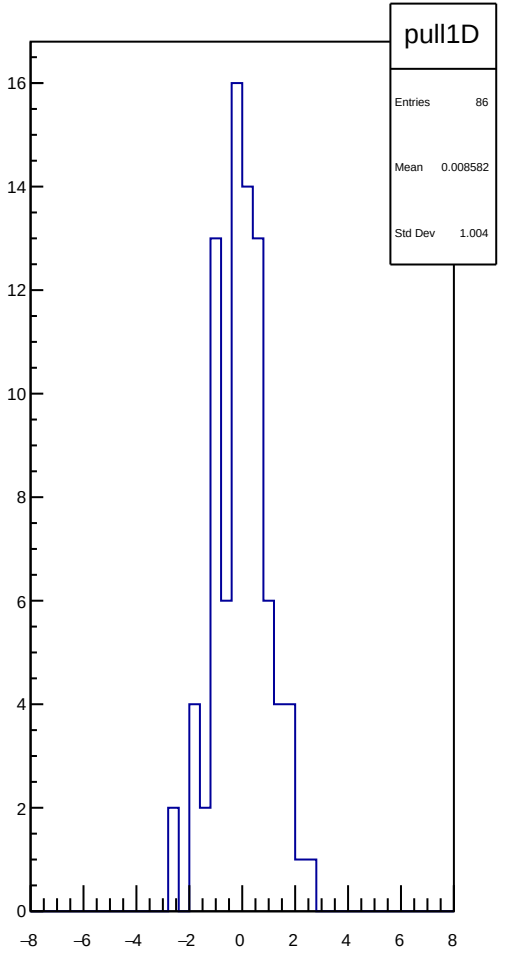

dit_asym_sam3_rms vs run
χ² / ndf 1.034e+05 / 85
p0 148.2 ± 0.12
280
260
240
220
200
180
160
140
120
100
80

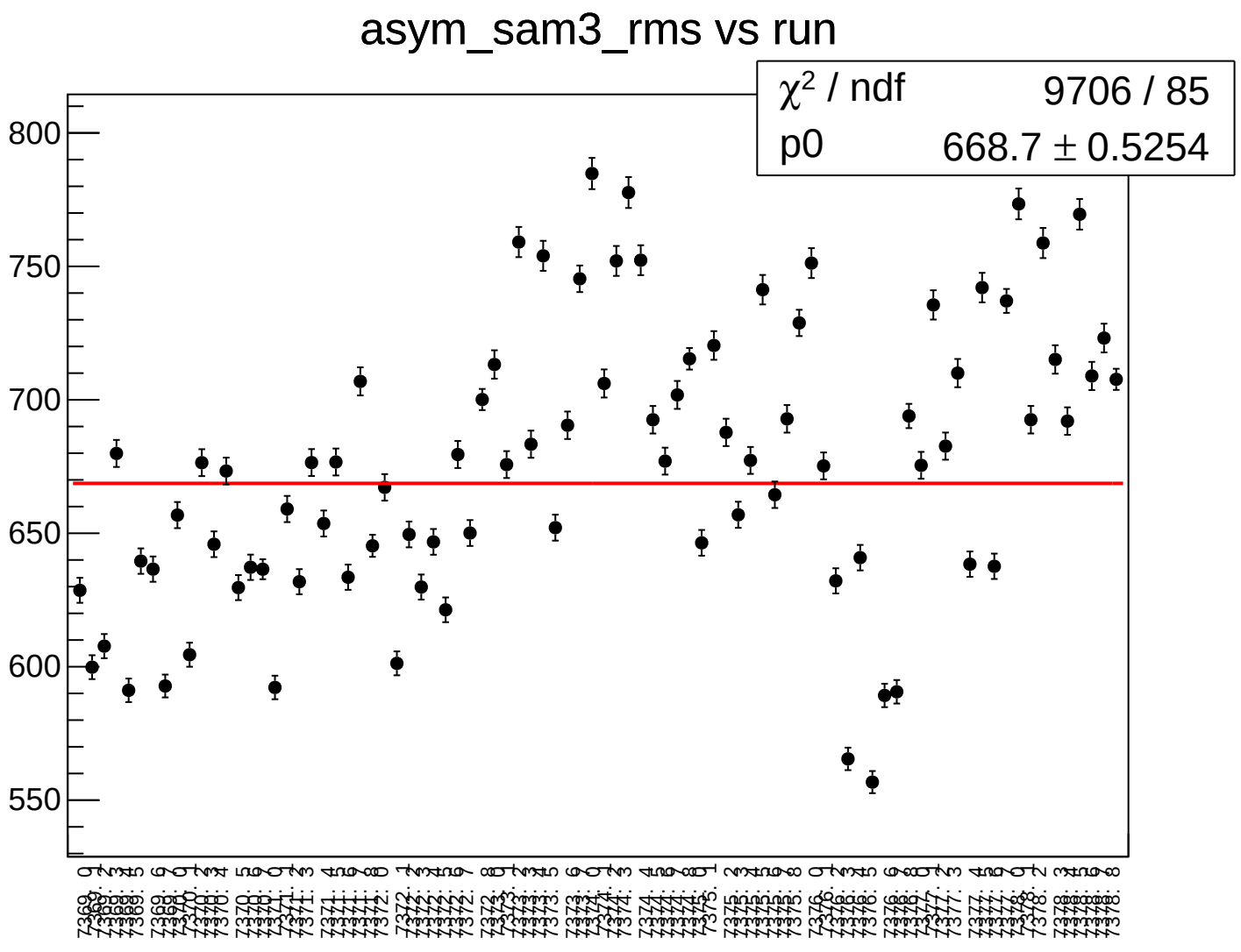

asym_sam3_correction_mean vs run
χ² / ndf 98.51 / 85
p0 271.9 ± 741.6
pull
Entries 86
Mean 59.77
Std Dev 71.49

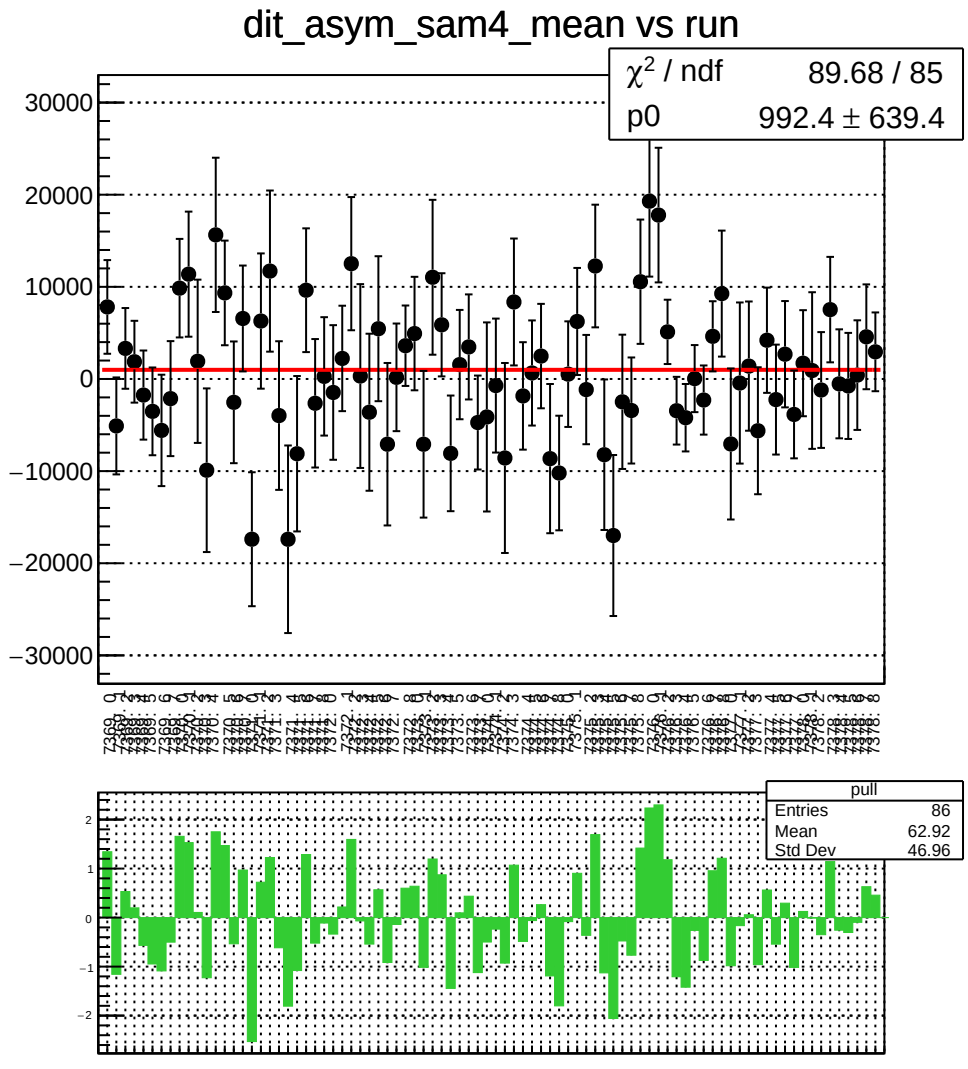

pull1D
Entries 86
Mean −0.008687
Std Dev 1.07

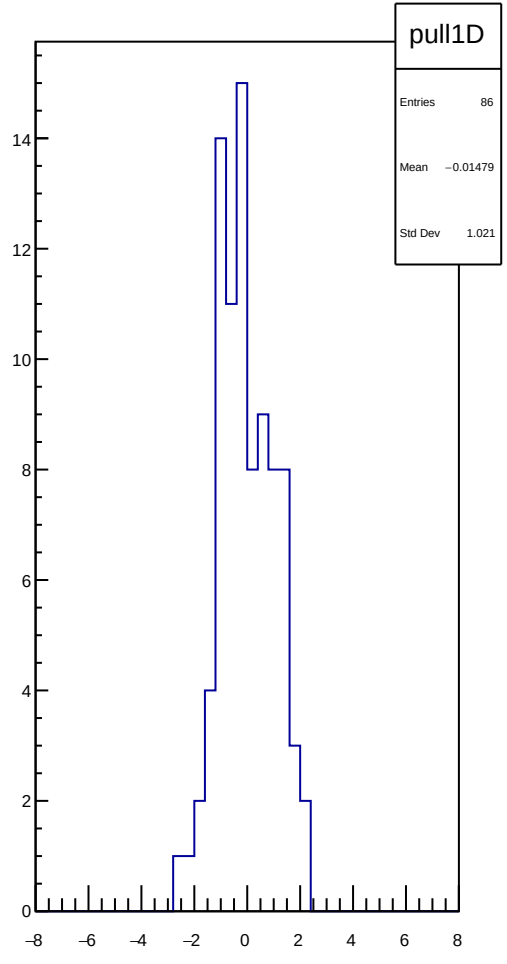

asym_sam3_correction_rms vs run
χ² / ndf 3031 / 85
p0 668.8 ± 0.5244
760
740
720
700
680
660
640
620

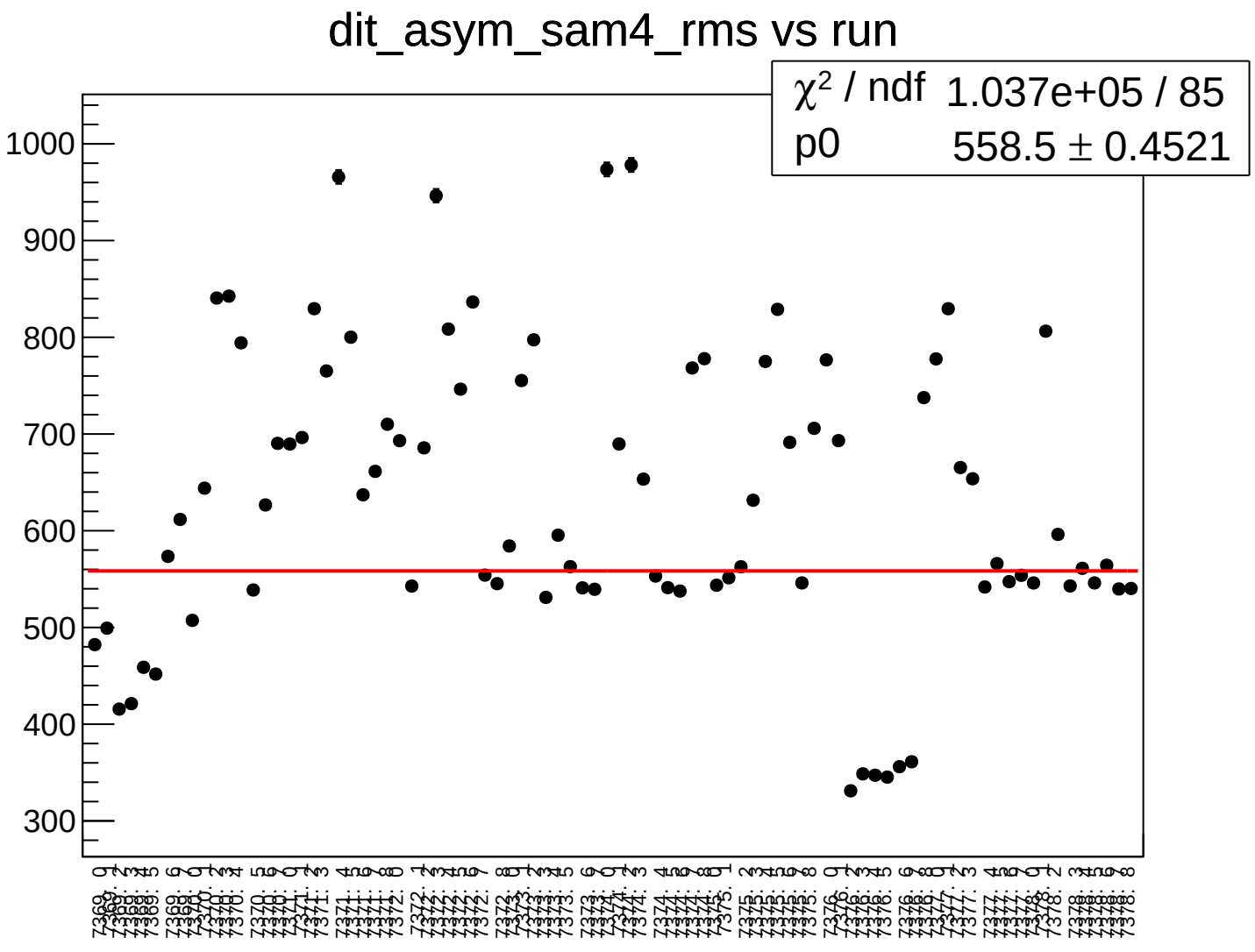

asym_sam3_mean vs run
χ² / ndf 86.78 / 85
p0 −109.1± 743
30000
20000
10000
0
−10000
−20000
pull
Entries 86
Mean 25.09
Std Dev 60.4
2
1
0
−1
−2

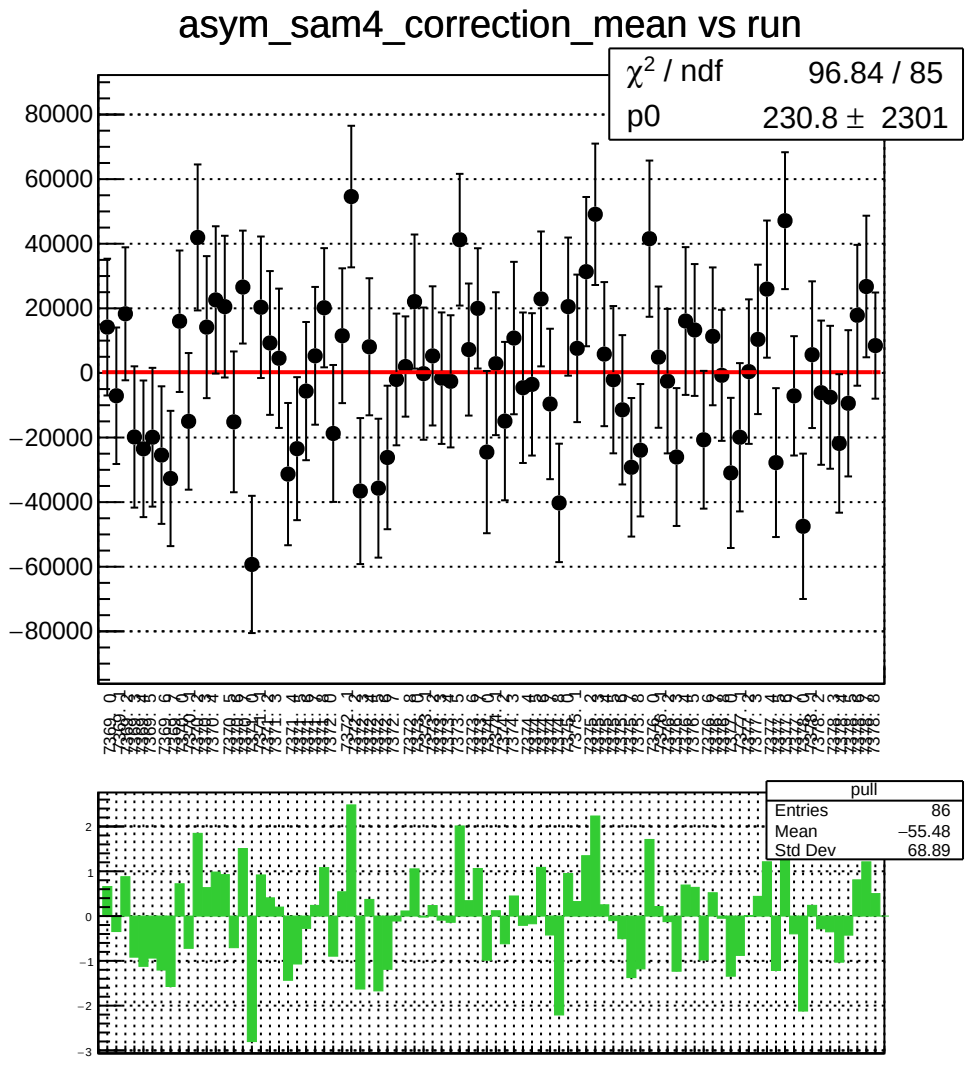

pull1D
Entries 86
Mean 0.008582
Std Dev 1.004
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

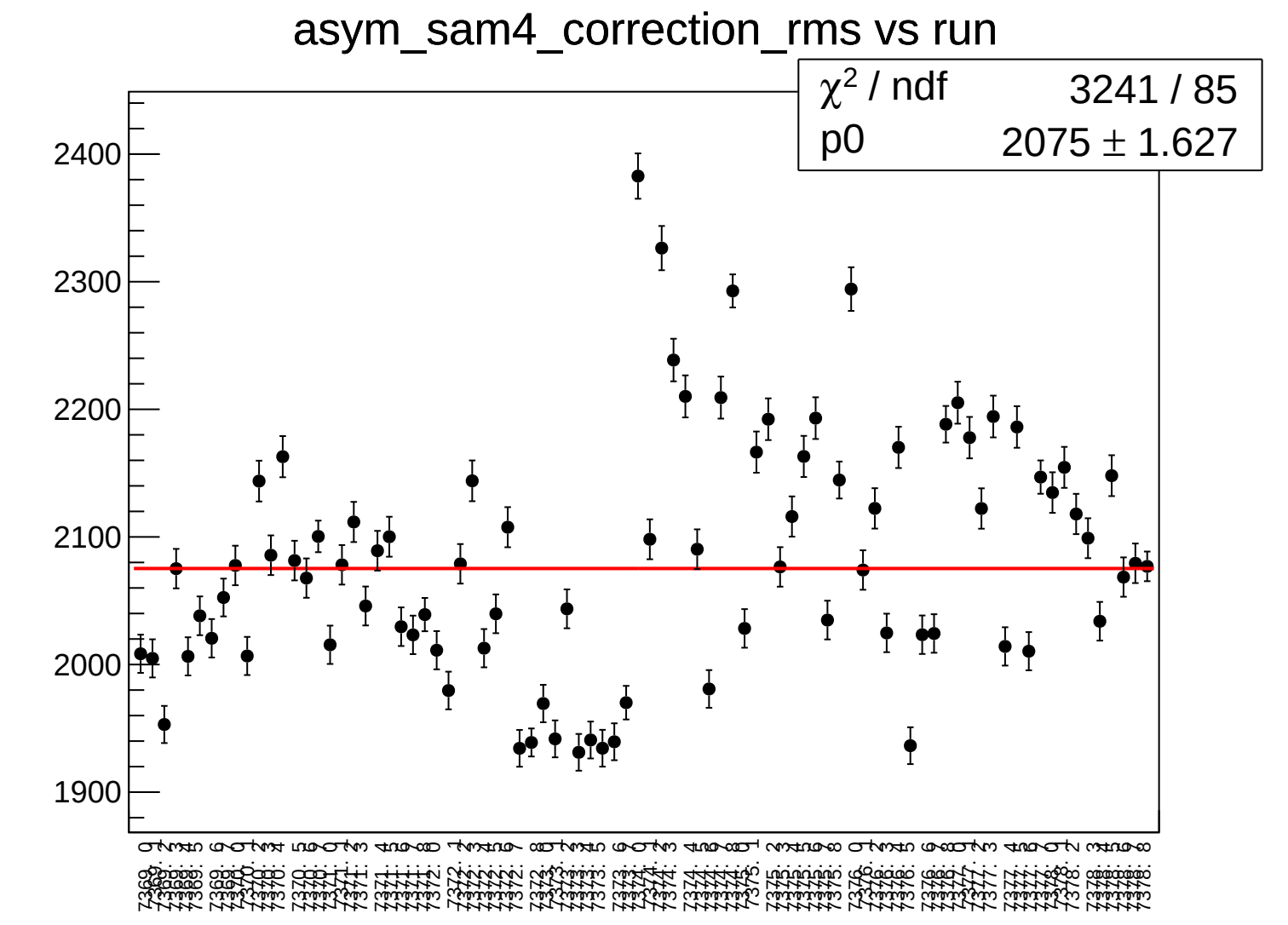

asym_sam3_rms vs run
χ² / ndf 9706 / 85
p0 668.7 ± 0.5254
800
750
700
650
600
550

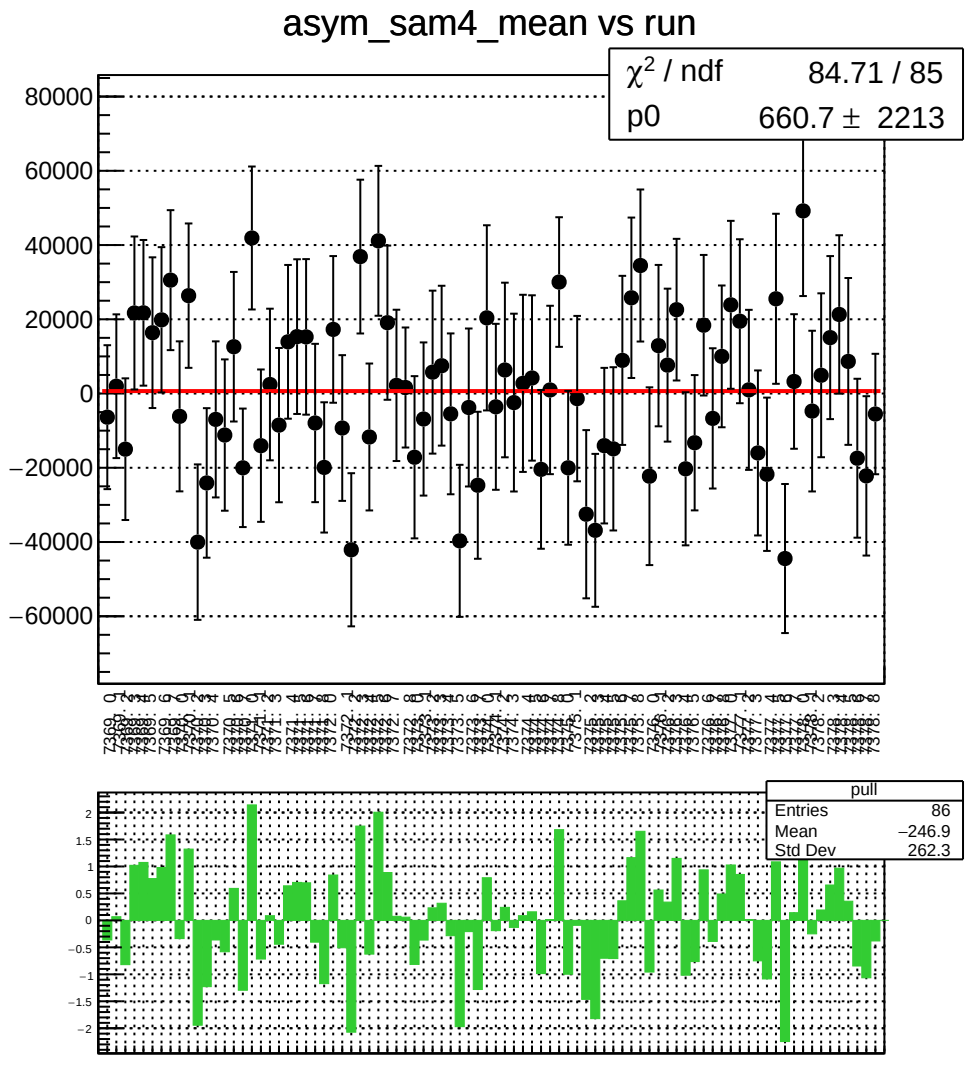

dit_asym_sam4_mean vs run
$\chi^2$ / ndf 89.68 / 85
p0 992.4 ± 639.4
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 62.92
Std Dev 46.96
2
1
0
−1
−2

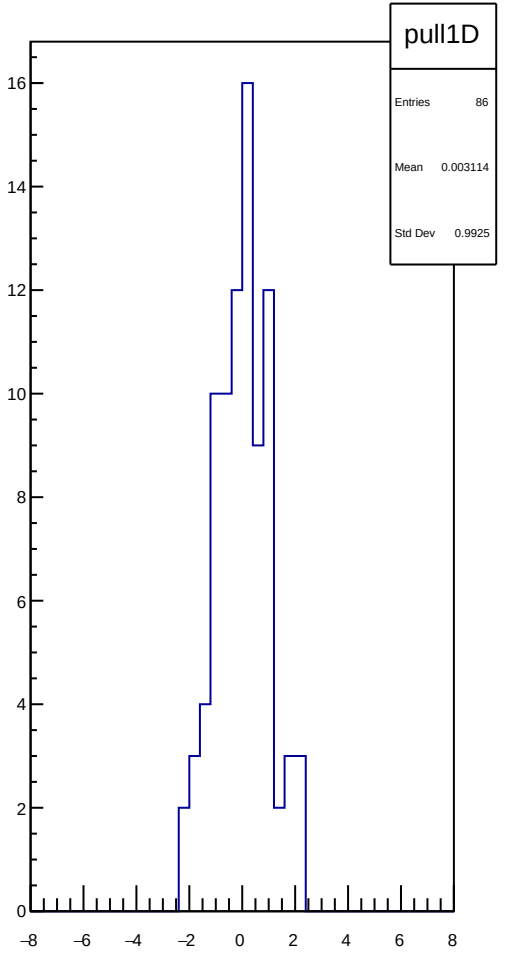

pull1D
Entries 86
Mean −0.01479
Std Dev 1.021
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

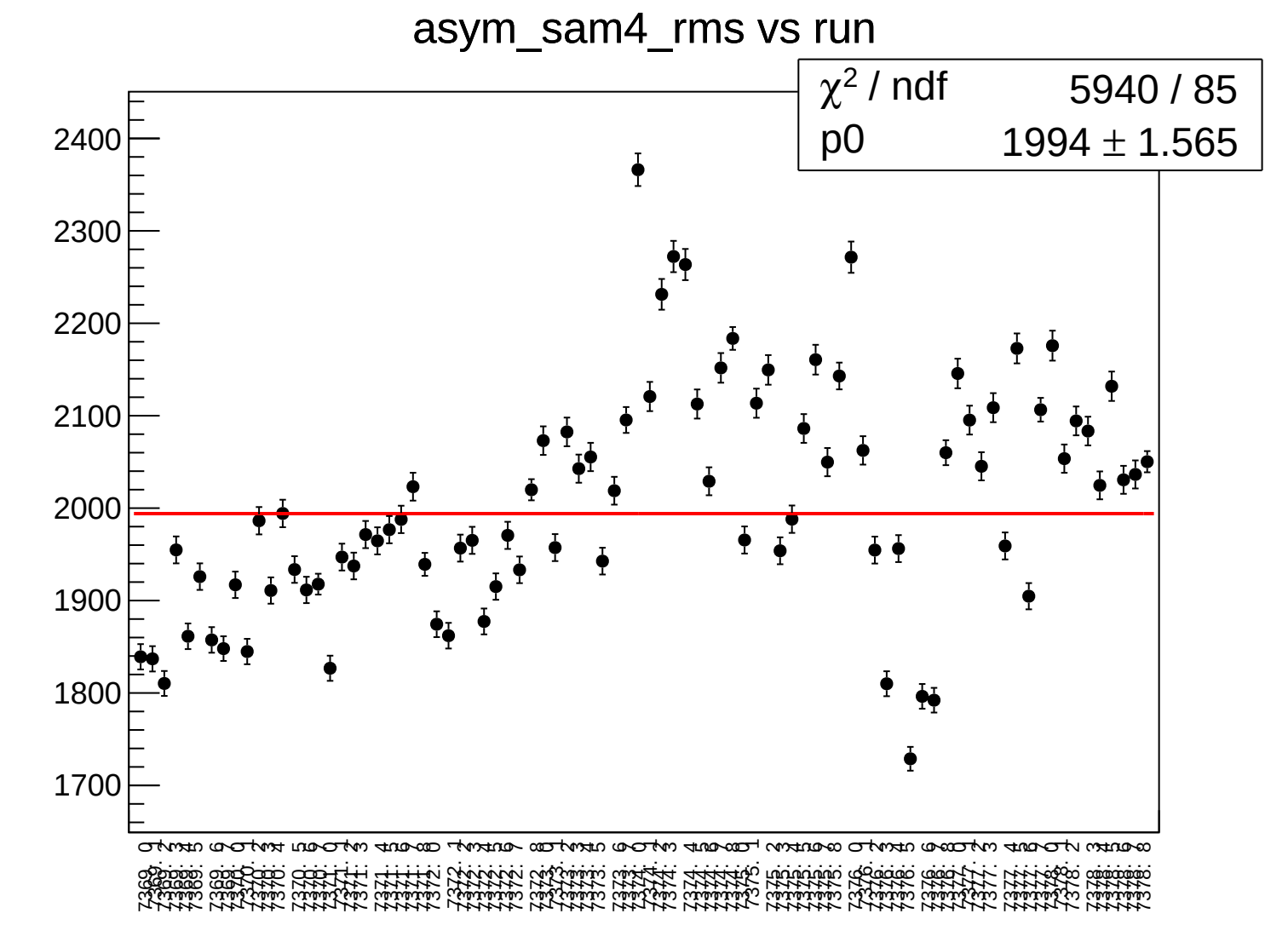

dit_asym_sam4_rms vs run
χ² / ndf 1.037e+05 / 85
p0 558.5 ± 0.4521
1000
900
800
700
600
500
400
300

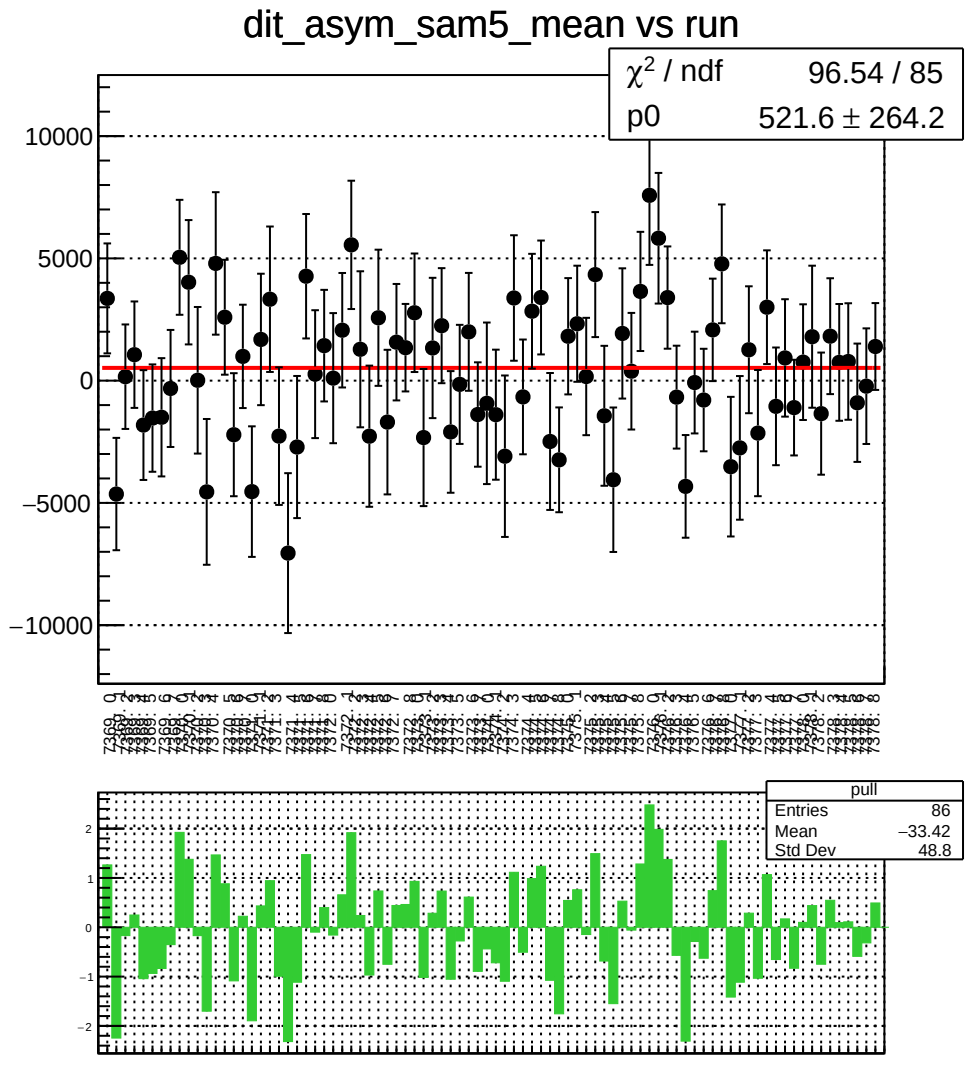

asym_sam4_correction_mean vs run
χ² / ndf 96.84 / 85
p0 230.8 ± 2301
pull
Entries 86
Mean −55.48
Std Dev 68.89
pull1D
Entries 86
Mean −0.007795
Std Dev 1.061

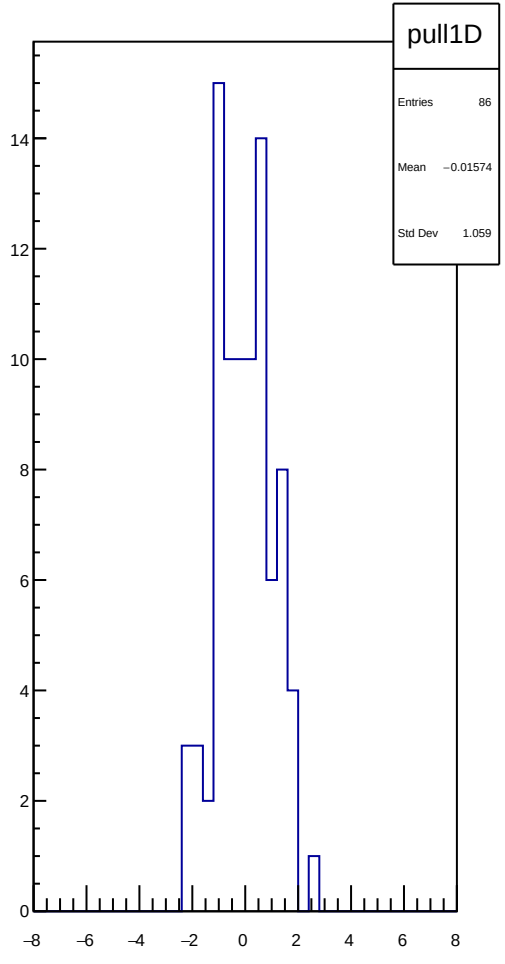

asym_sam4_correction_rms vs run
χ² / ndf 3241 / 85
p0 2075 ± 1.627
2400
2300
2200
2100
2000
1900

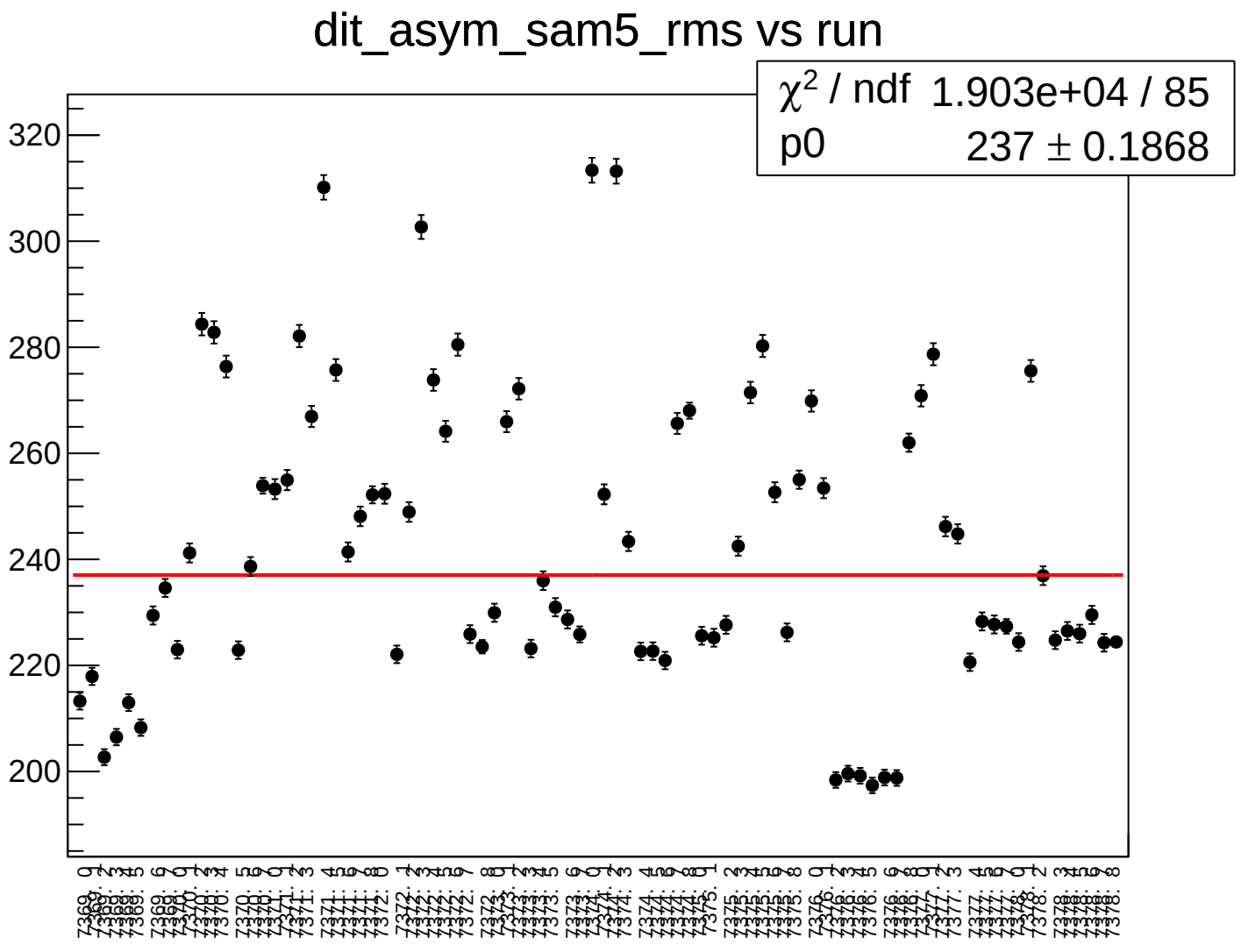

asym_sam4_mean vs run
χ² / ndf 84.71 / 85
p0 660.7 ± 2213
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 86
Mean −246.9
Std Dev 262.3
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

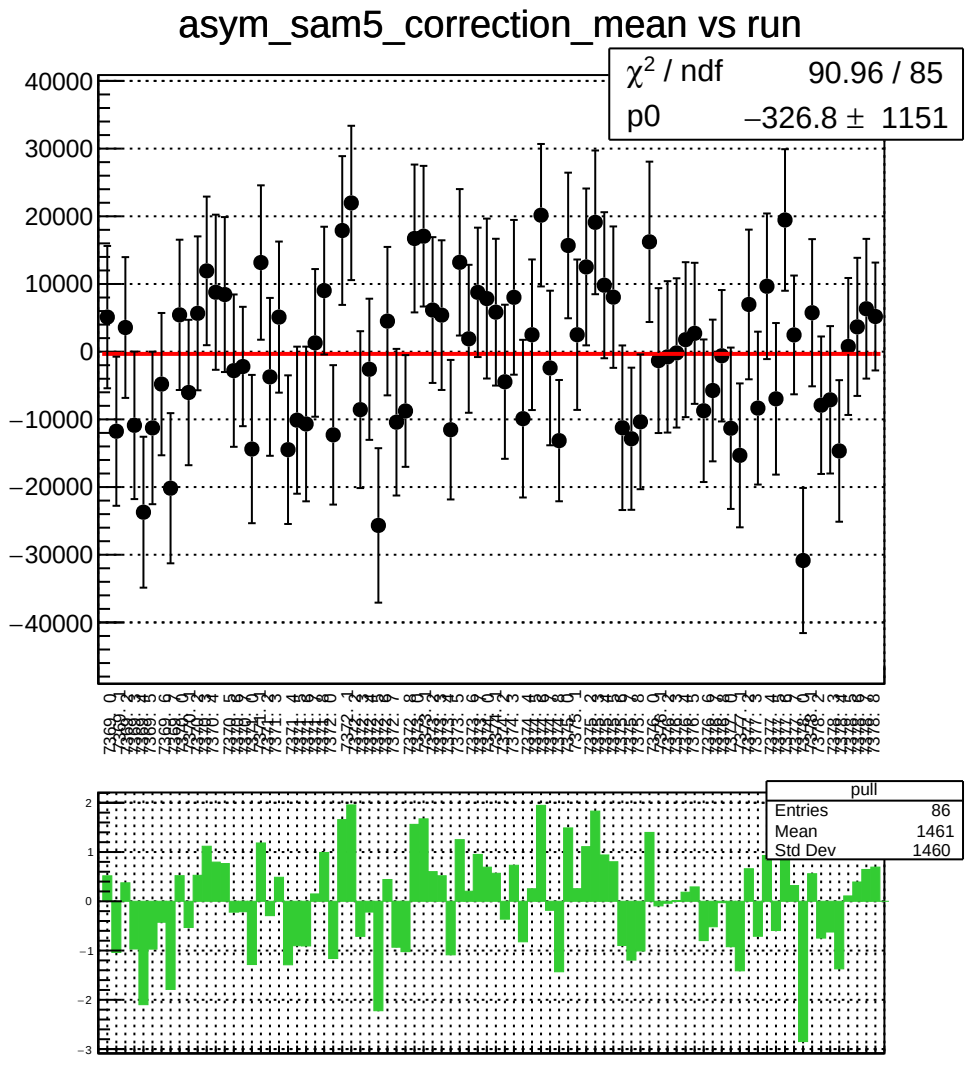

pull1D
Entries 86
Mean 0.003114
Std Dev 0.9925
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

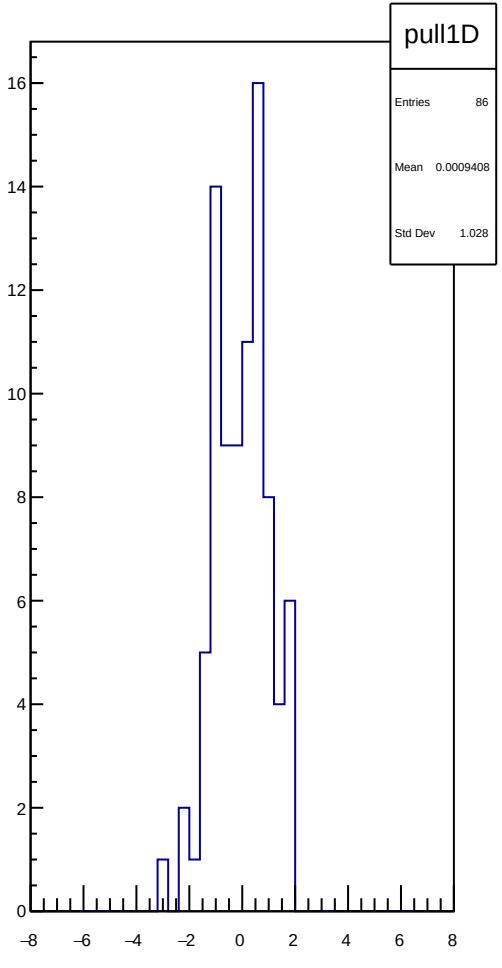

asym_sam4_rms vs run
χ² / ndf 5940 / 85
p0 1994 ± 1.565
2400
2300
2200
2100
2000
1900
1800
1700

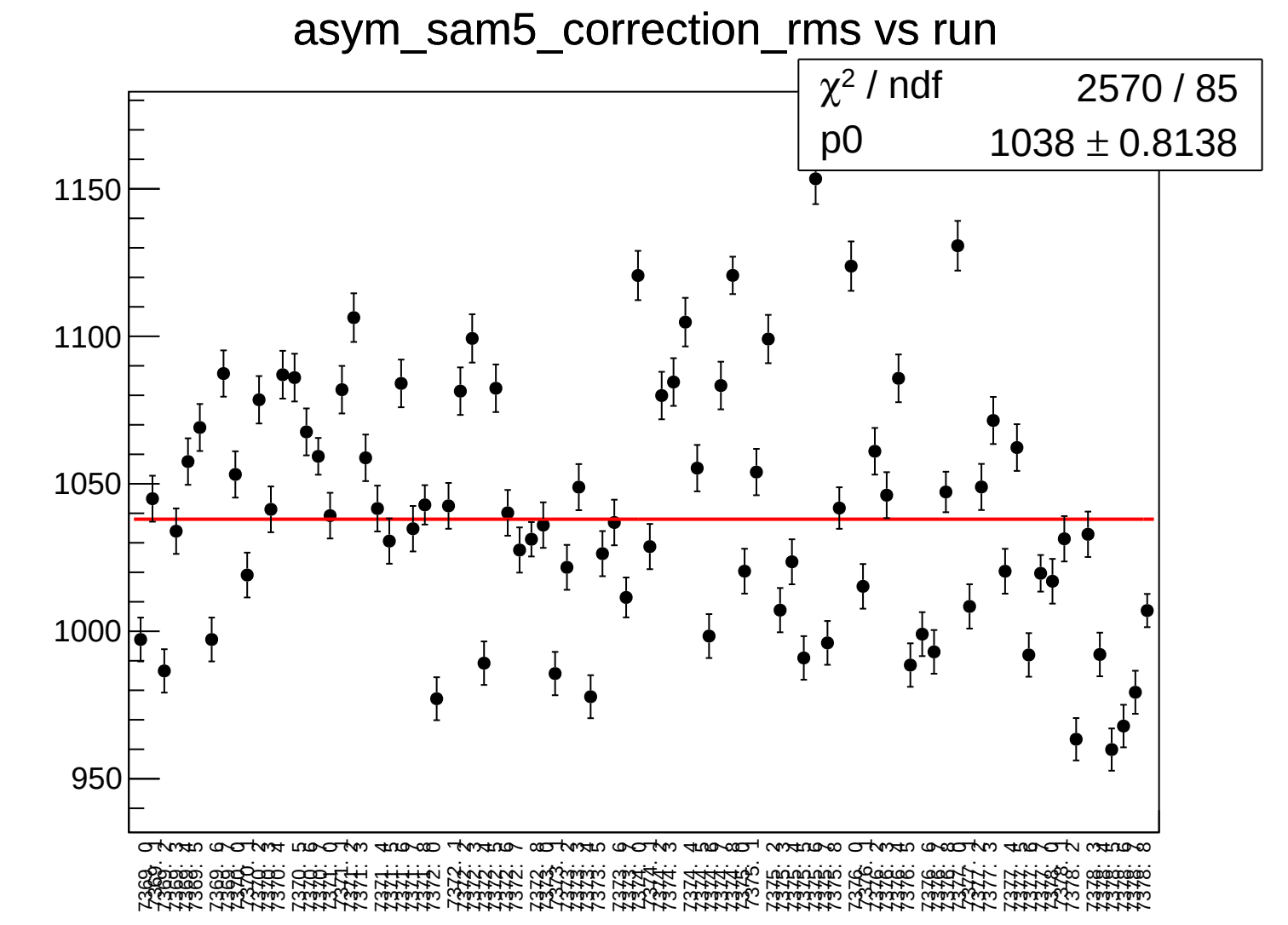

dit_asym_sam5_mean vs run
χ² / ndf 96.54 / 85
p0 521.6 ± 264.2
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −33.42
Std Dev 48.8
2
1
0
−1
−2

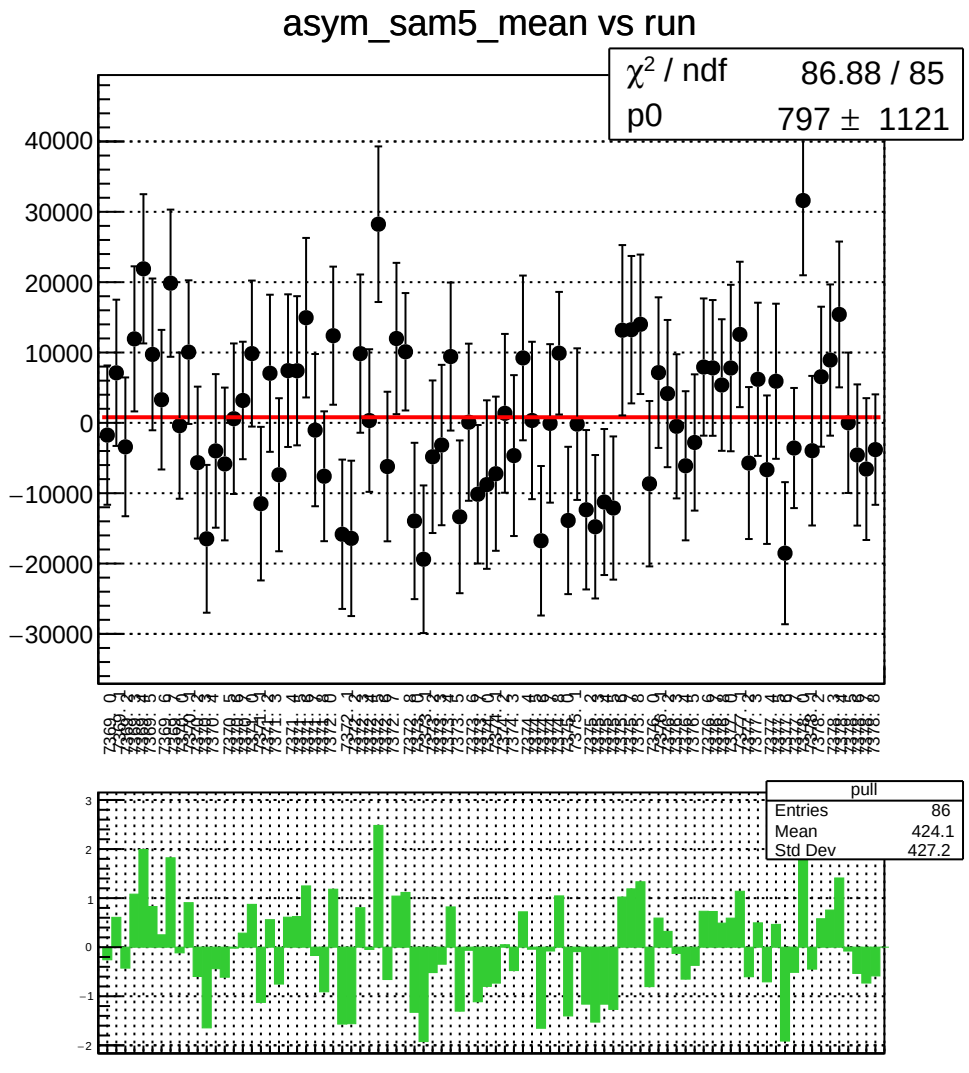

pull1D
Entries 86
Mean −0.01574
Std Dev 1.059
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

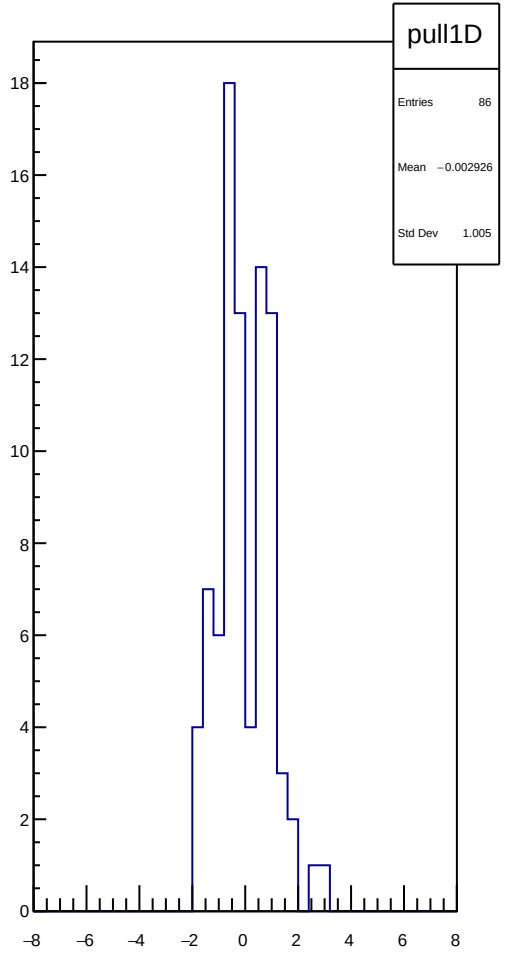

dit_asym_sam5_rms vs run
χ² / ndf 1.903e+04 / 85
p0 237 ± 0.1868
320
300
280
260
240
220
200

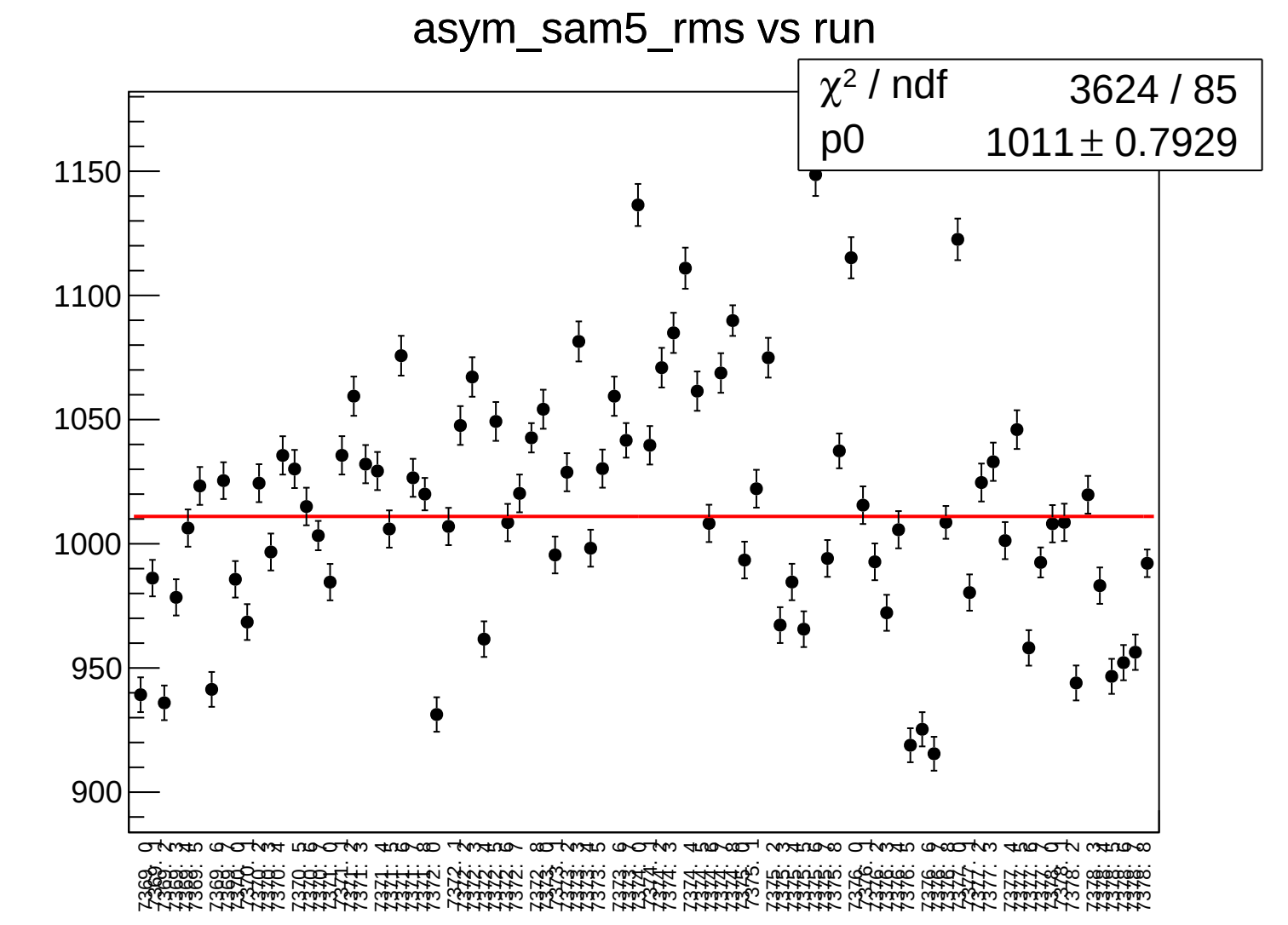

asym_sam5_correction_mean vs run
$\chi^2$ / ndf 90.96 / 85
p0 −326.8 ± 1151
pull
Entries 86
Mean 1461
Std Dev 1460

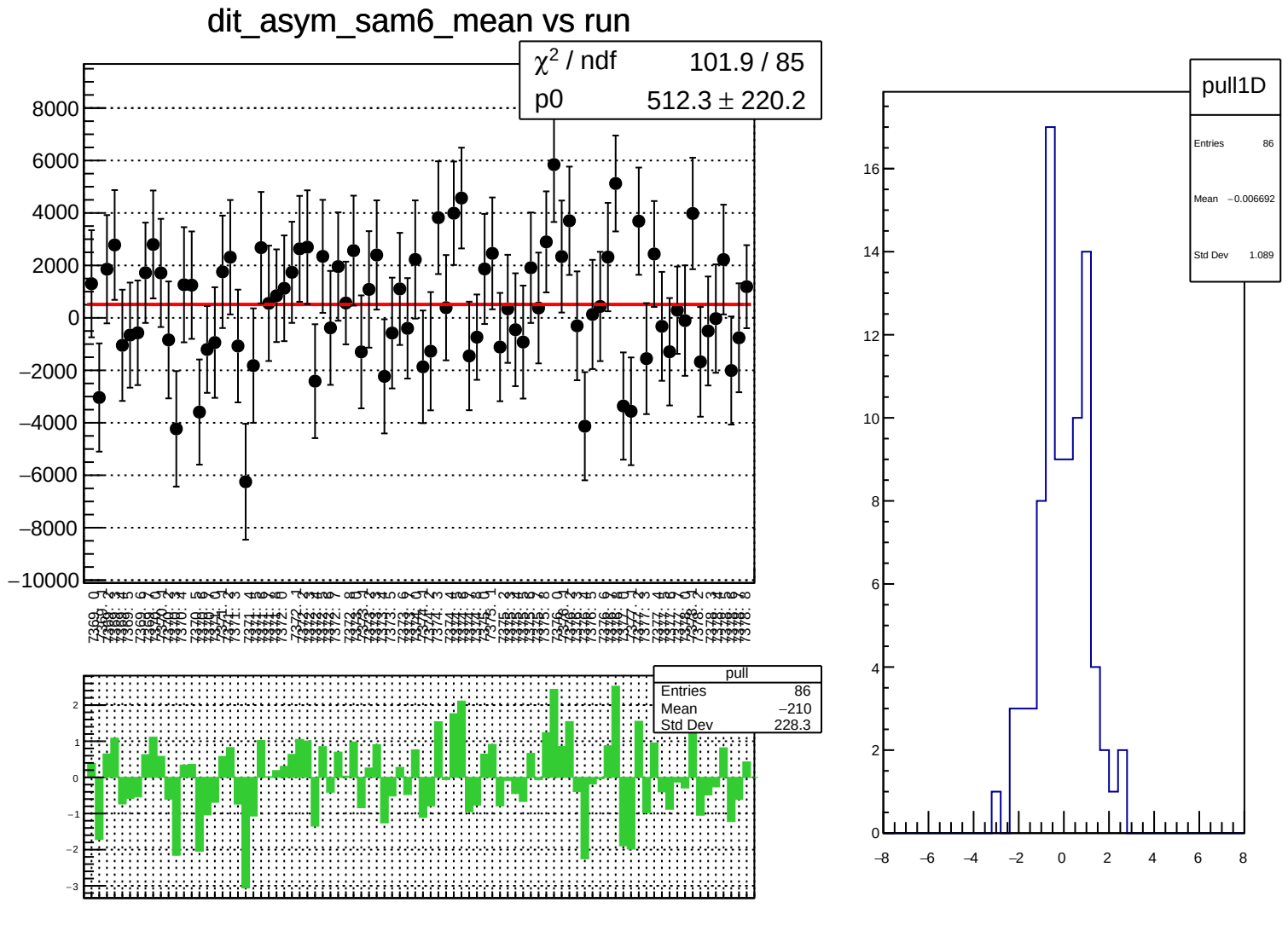

pull1D
Entries 86
Mean 0.0009408
Std Dev 1.028

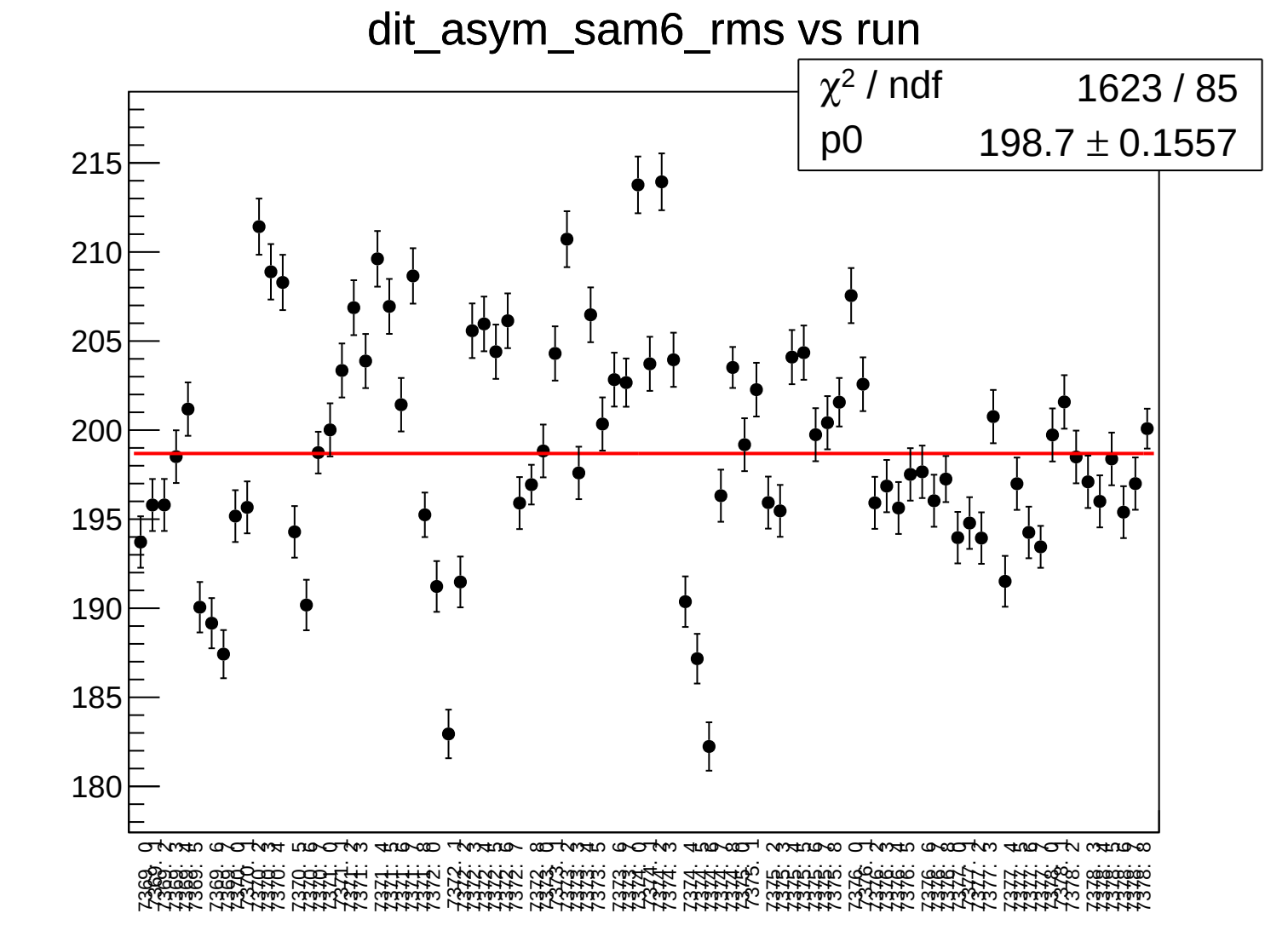

asym_sam5_correction_rms vs run
χ² / ndf 2570 / 85
p0 1038 ± 0.8138
1150
1100
1050
1000
950

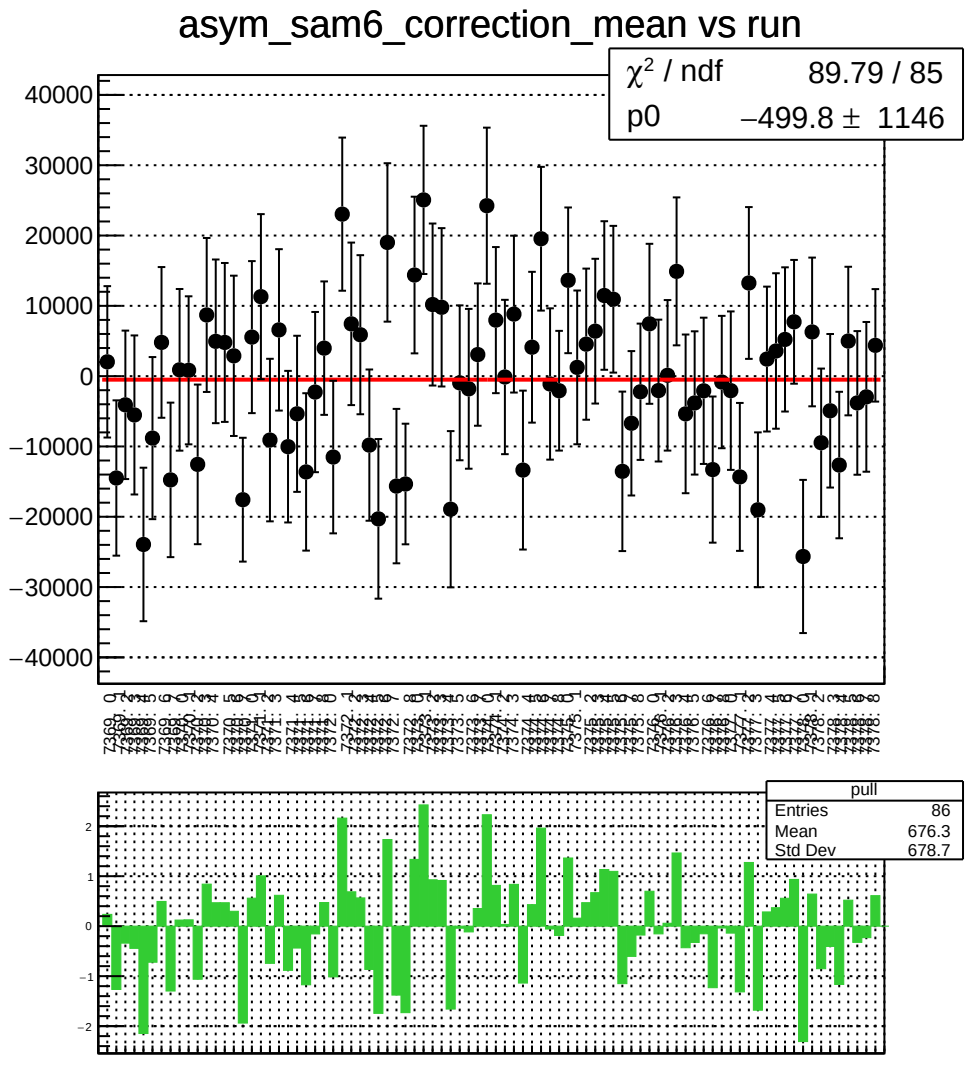

asym_sam5_mean vs run
χ² / ndf 86.88 / 85
p0 797 ± 1121
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 424.1
Std Dev 427.2
3
2
1
0
−1
−2

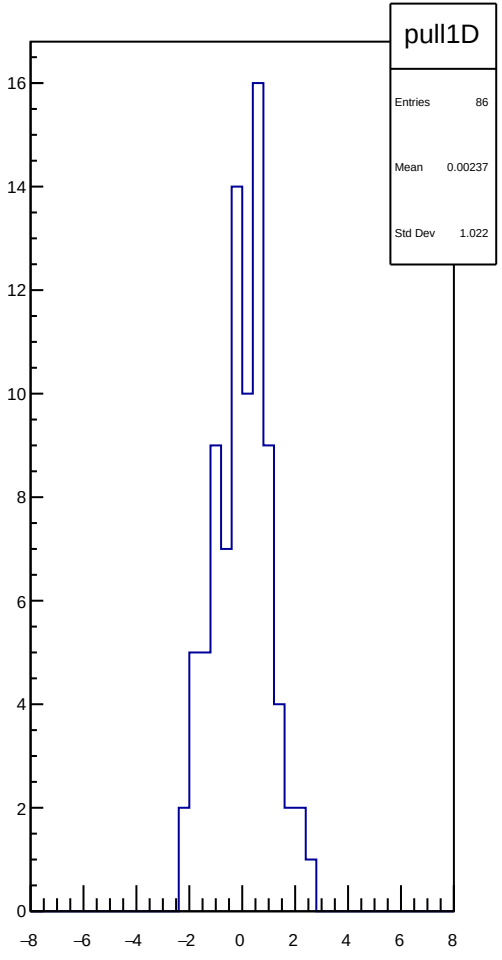

pull1D
Entries 86
Mean −0.002926
Std Dev 1.005
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

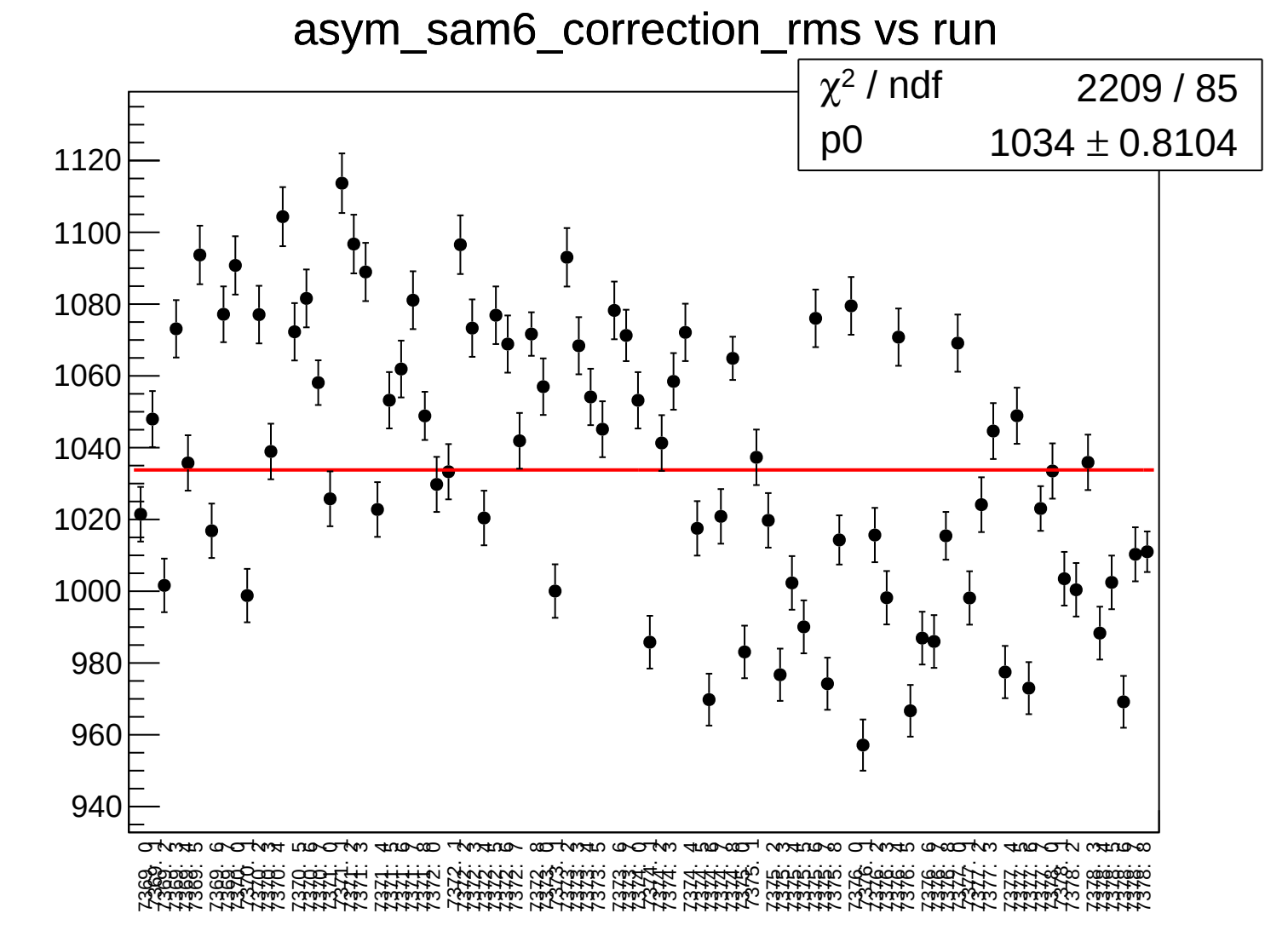

asym_sam5_rms vs run
χ² / ndf 3624 / 85
p0 1011 ± 0.7929
1150
1100
1050
1000
950
900

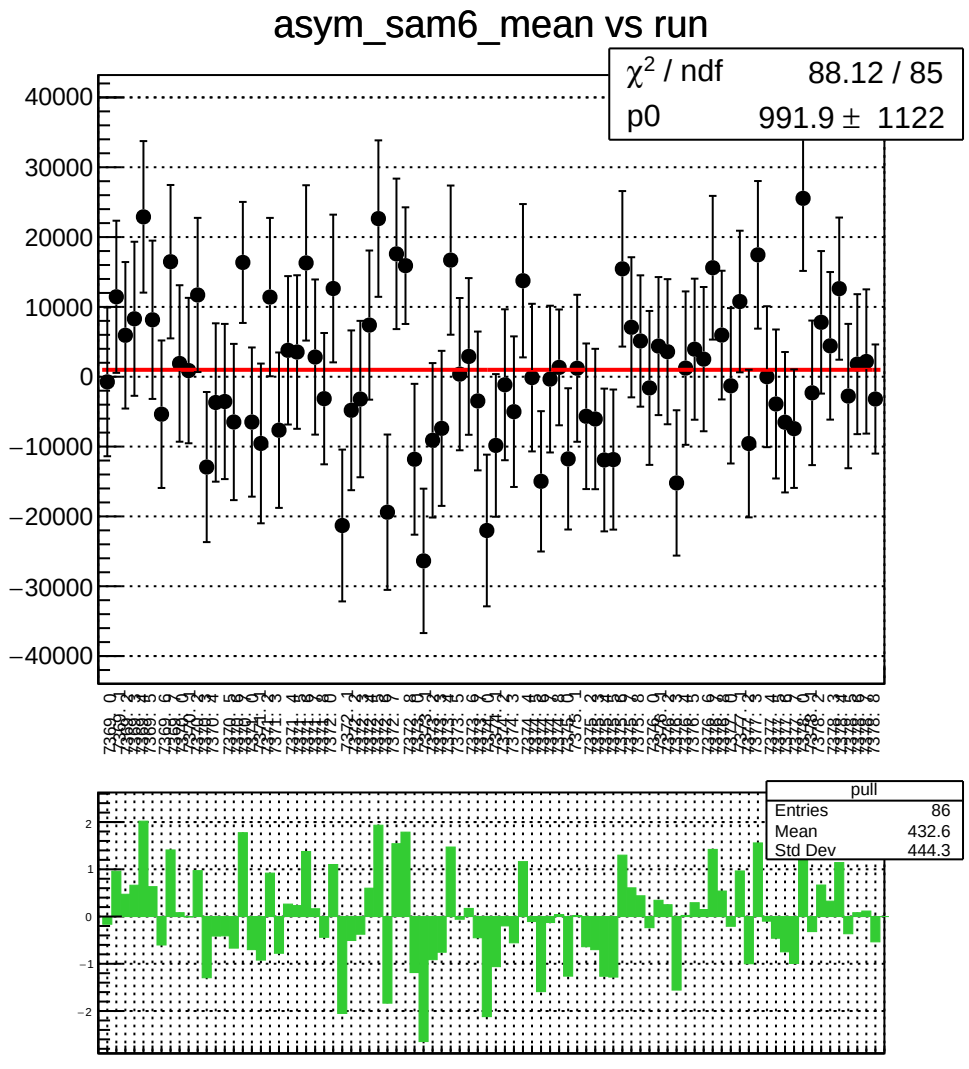

dit_asym_sam6_mean vs run
χ² / ndf 101.9 / 85
p0 512.3 ± 220.2
pull
Entries 86
Mean −210
Std Dev 228.3
pull1D
Entries 86
Mean −0.006692
Std Dev 1.089

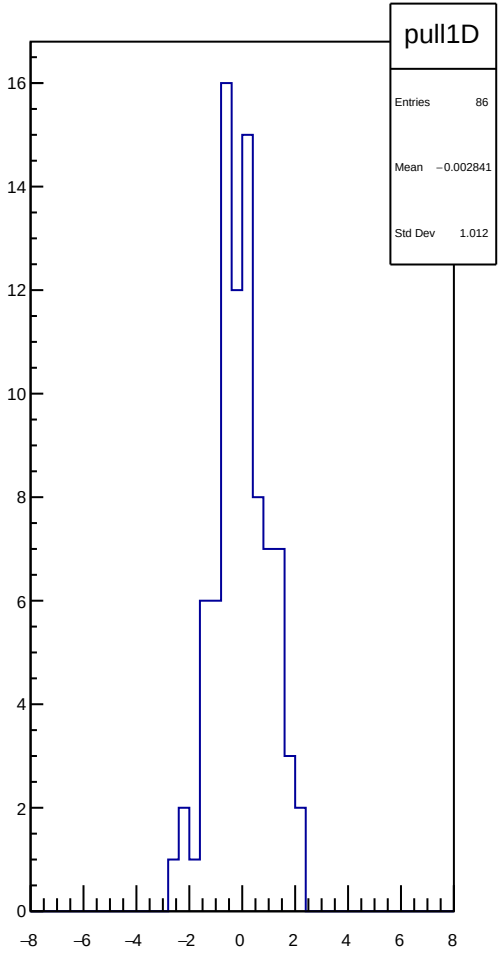

dit_asym_sam6_rms vs run
χ² / ndf 1623 / 85
p0 198.7 ± 0.1557
215
210
205
200
195
190
185
180

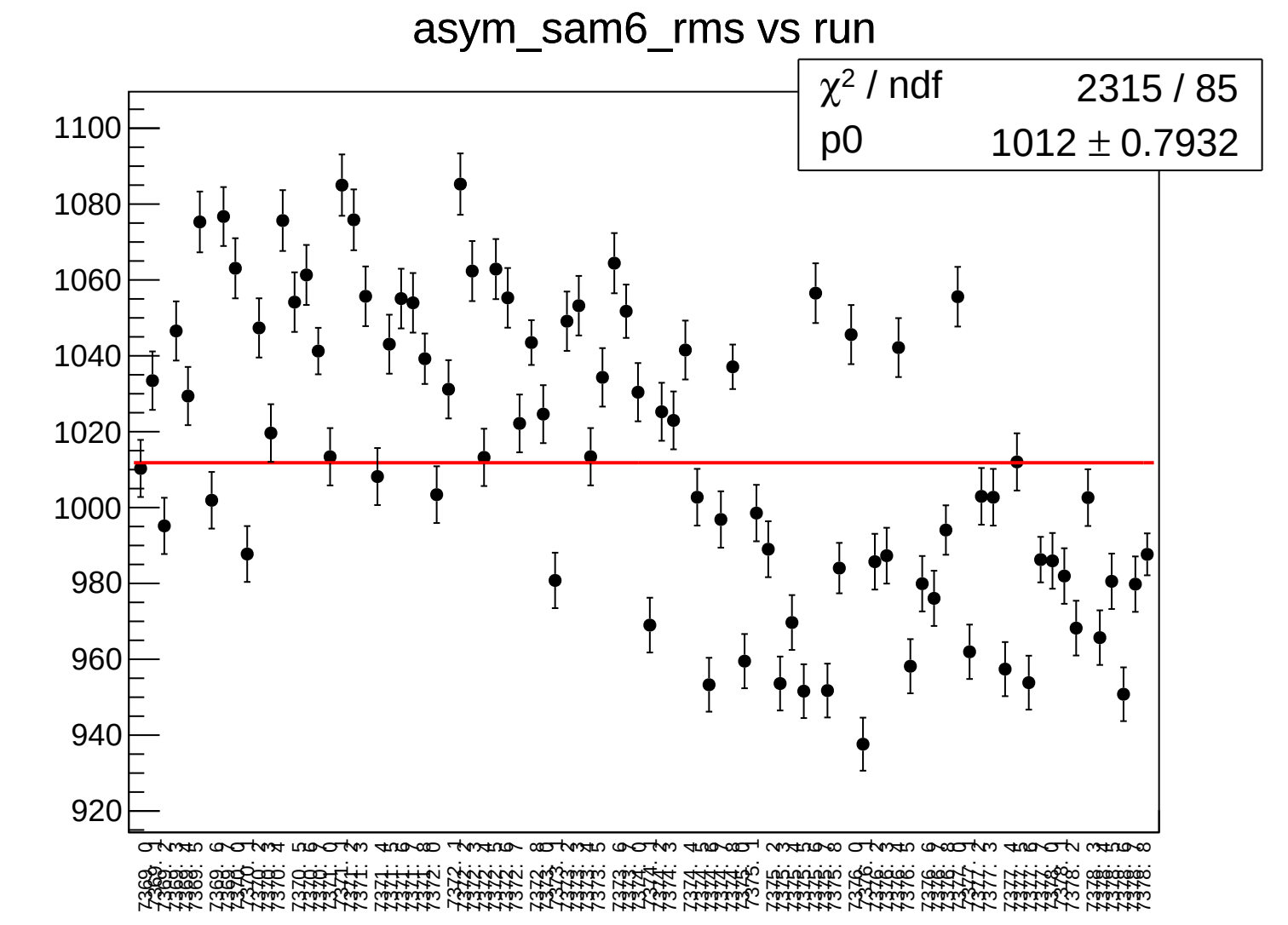

asym_sam6_correction_mean vs run
χ² / ndf 89.79 / 85
p0 −499.8 ± 1146
pull
Entries 86
Mean 676.3
Std Dev 678.7

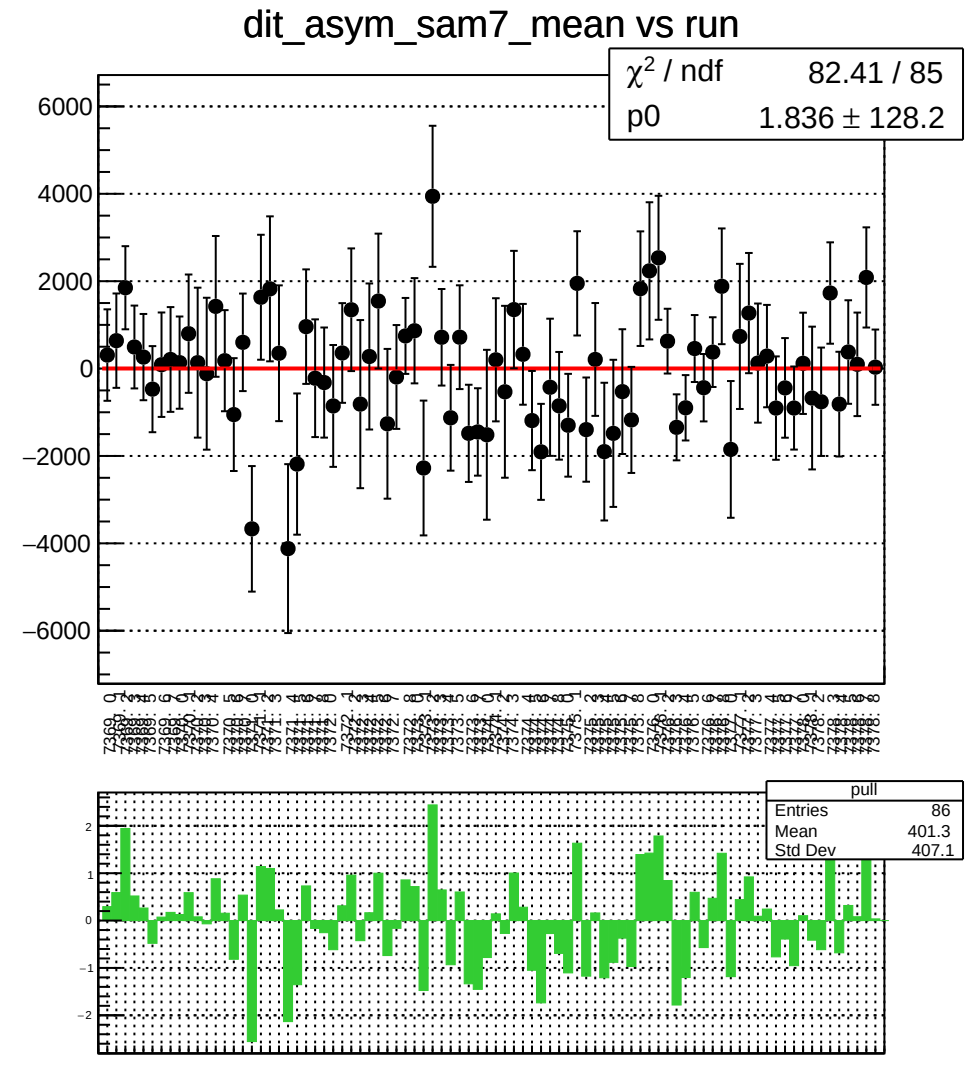

pull1D
Entries 86
Mean 0.00237
Std Dev 1.022

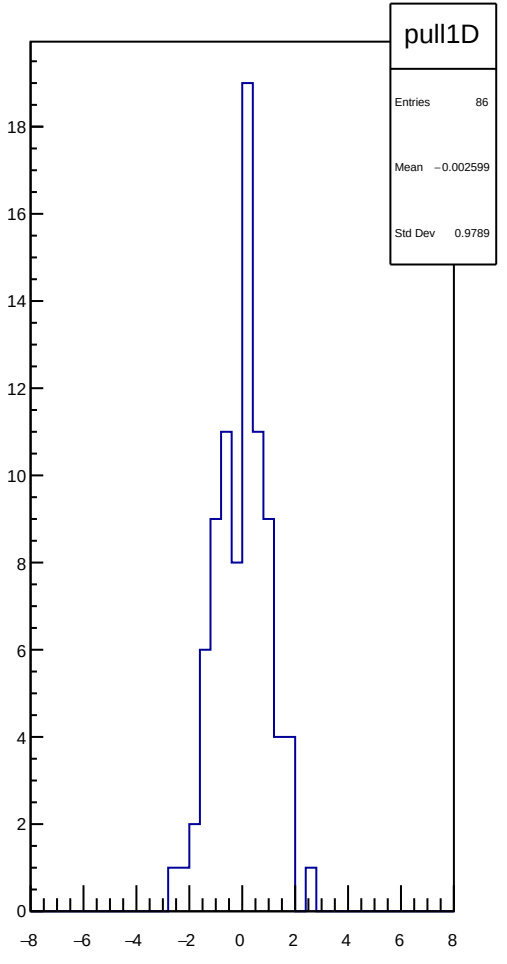

asym_sam6_correction_rms vs run
χ² / ndf 2209 / 85
p0 1034 ± 0.8104
1120
1100
1080
1060
1040
1020
1000
980
960
940

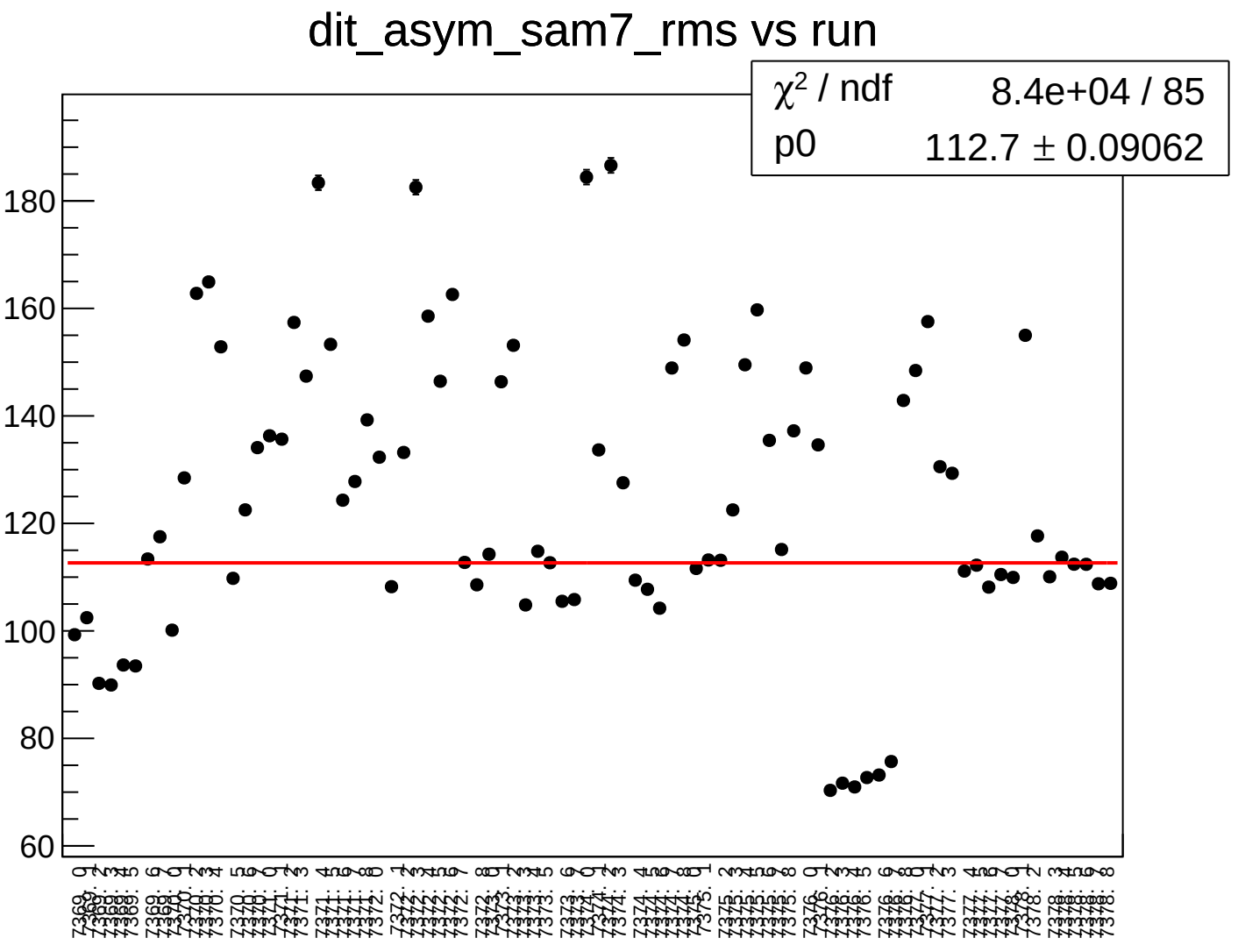

asym_sam6_mean vs run
χ² / ndf 88.12 / 85
p0 991.9 ± 1122
pull
Entries 86
Mean 432.6
Std Dev 444.3

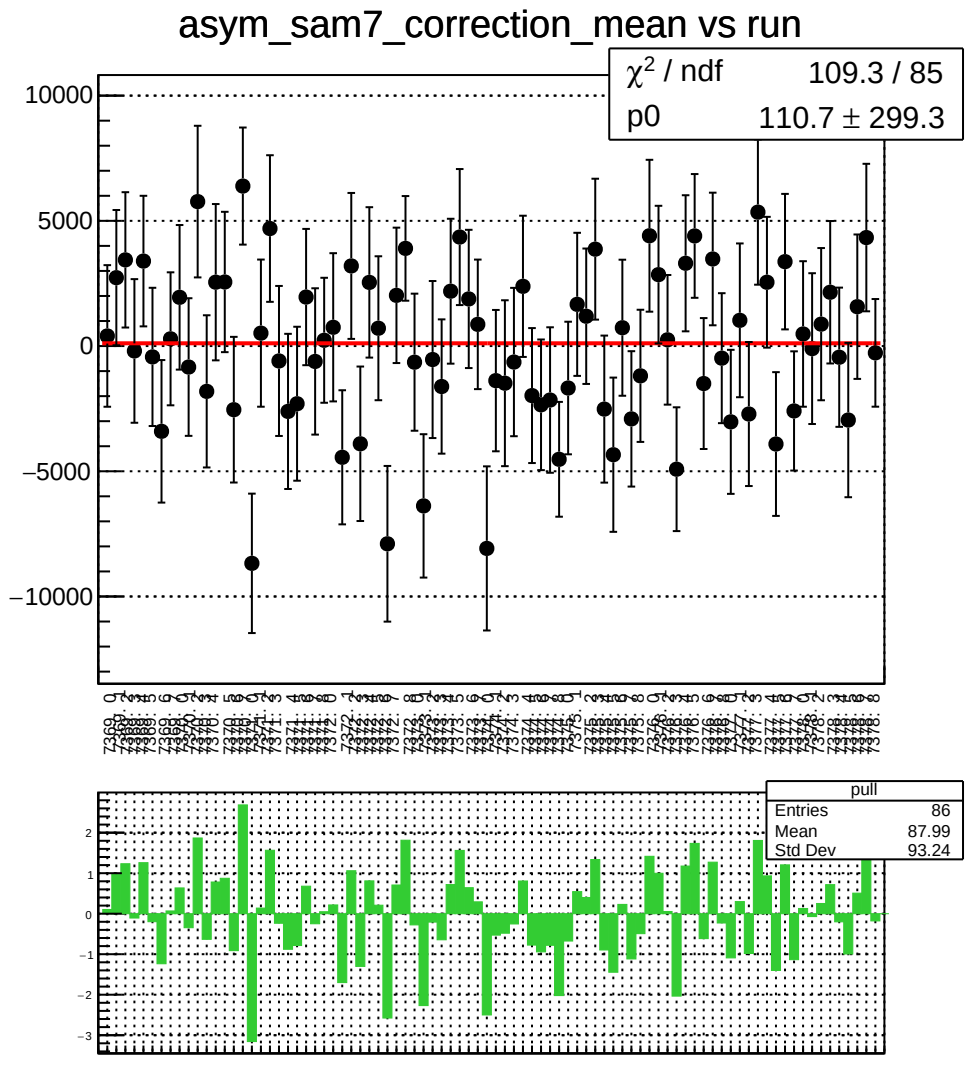

pull1D
Entries 86
Mean −0.002841
Std Dev 1.012

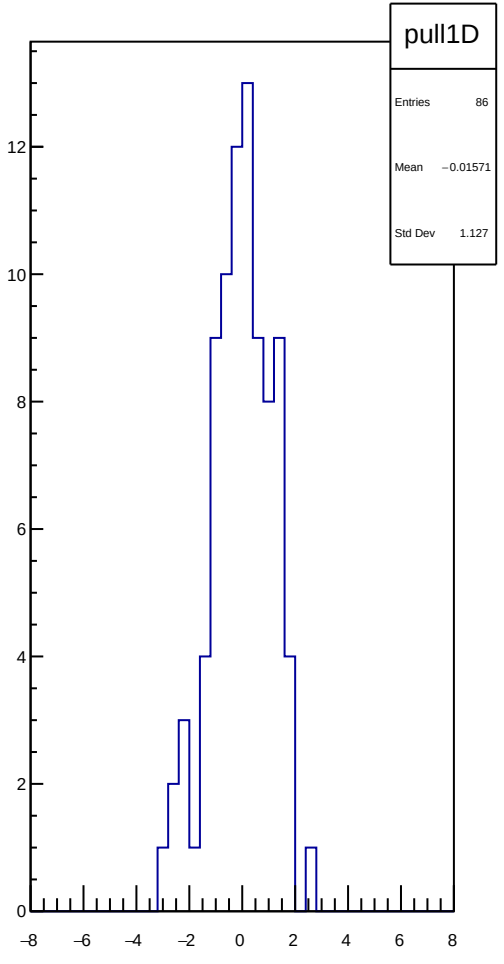

asym_sam6_rms vs run
χ² / ndf 2315 / 85
p0 1012 ± 0.7932
1100
1080
1060
1040
1020
1000
980
960
940
920

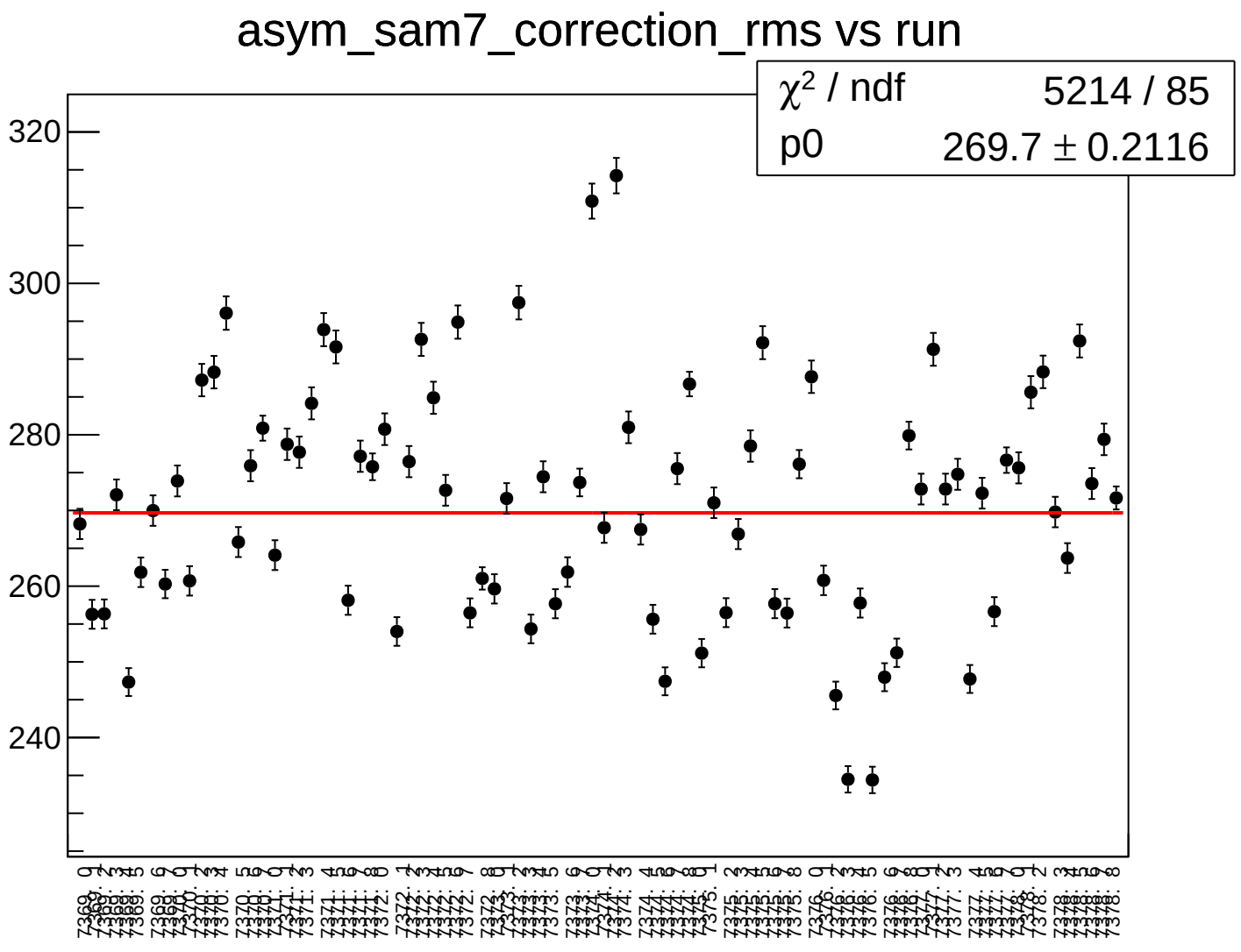

dit_asym_sam7_mean vs run
χ² / ndf 82.41 / 85
p0 1.836 ± 128.2
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 401.3
Std Dev 407.1
2
1
0
−1
−2

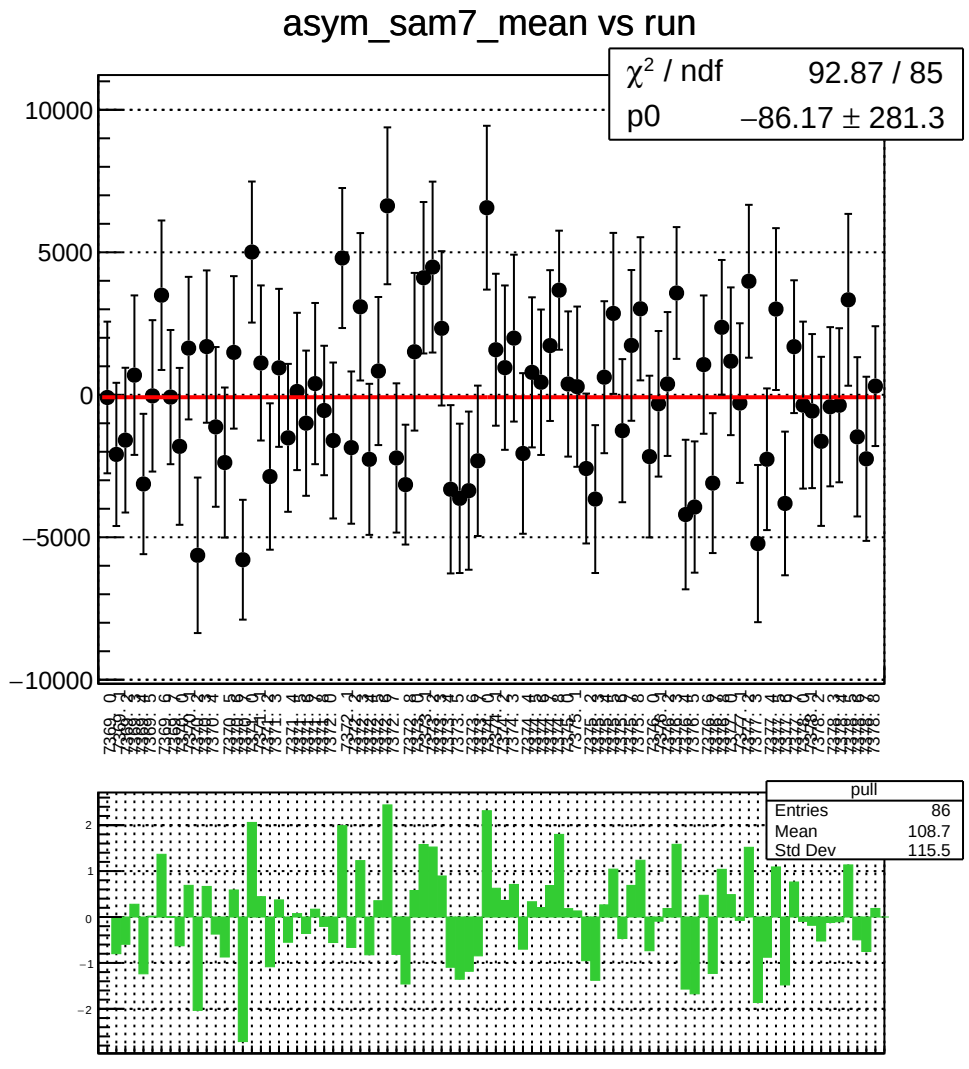

pull1D
Entries 86
Mean −0.002599
Std Dev 0.9789
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

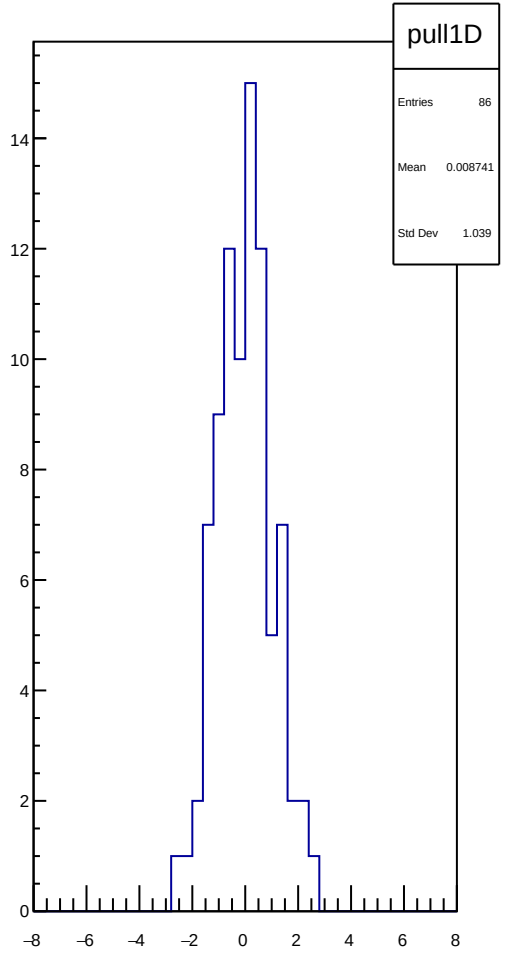

dit_asym_sam7_rms vs run
χ² / ndf 8.4e+04 / 85
p0 112.7 ± 0.09062
180
160
140
120
100
80
60

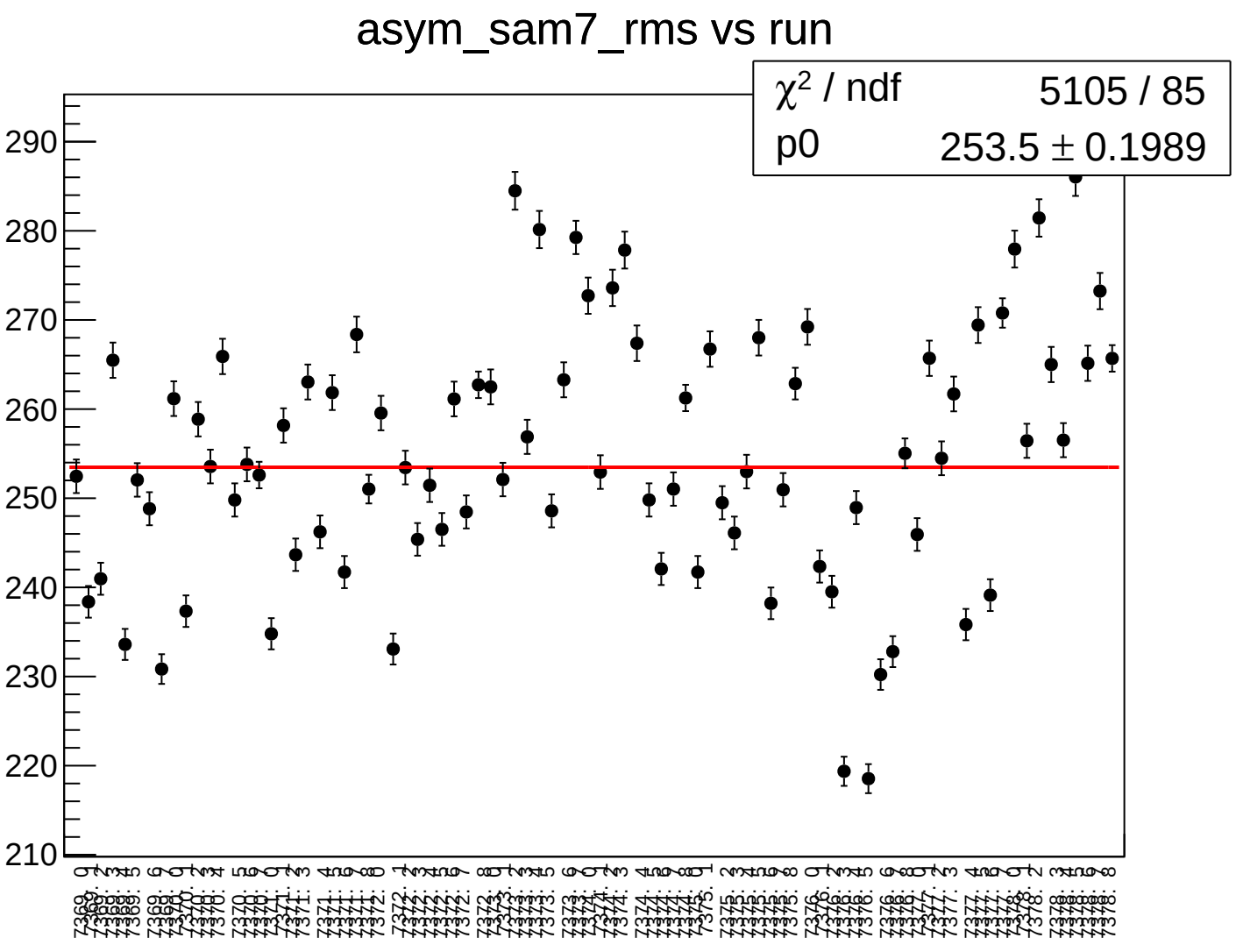

asym_sam7_correction_mean vs run
χ² / ndf 109.3 / 85
p0 110.7 ± 299.3
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 87.99
Std Dev 93.24
2
1
0
−1
−2
−3

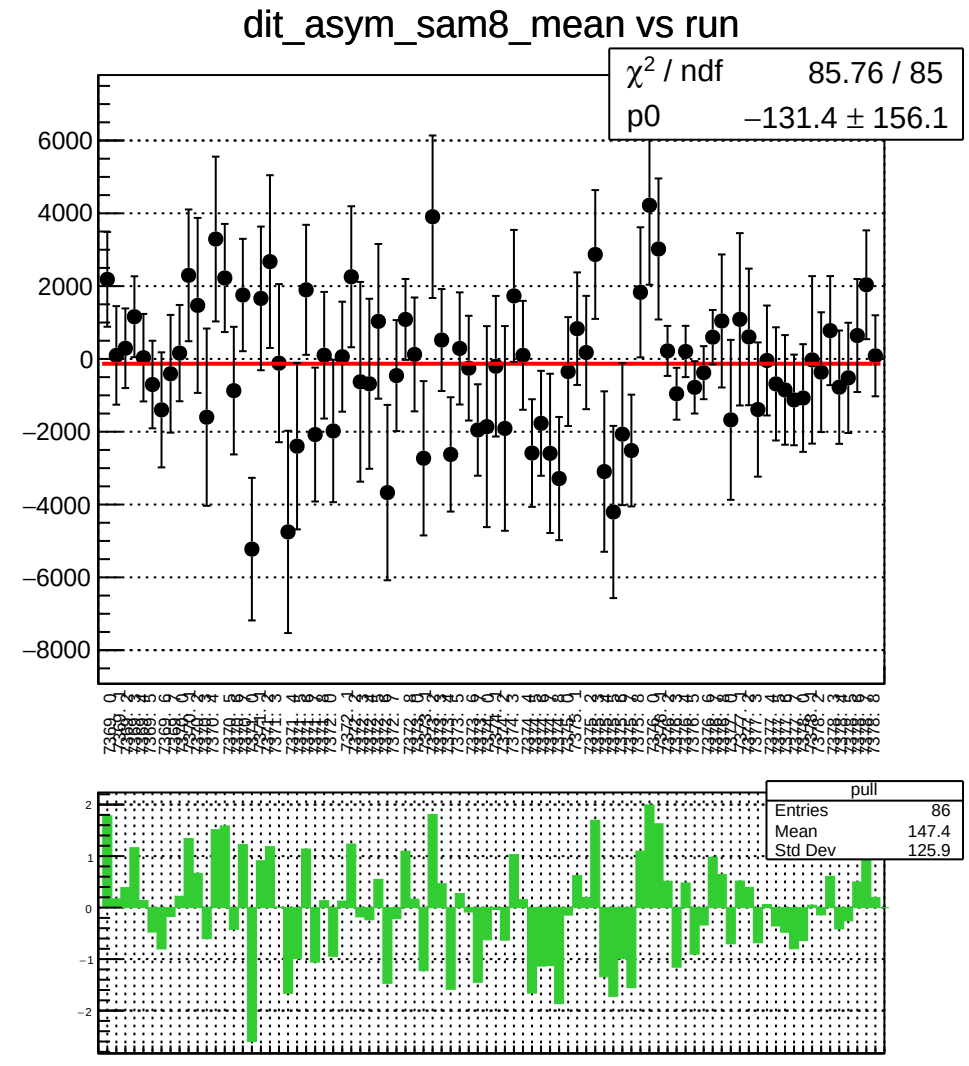

pull1D
Entries 86
Mean −0.01571
Std Dev 1.127
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

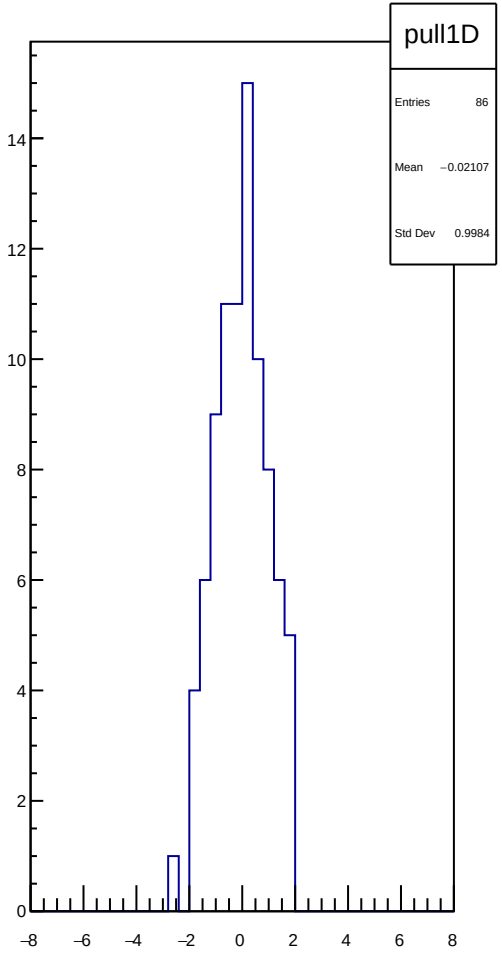

asym_sam7_correction_rms vs run
χ² / ndf 5214 / 85
p0 269.7 ± 0.2116
320
300
280
260
240

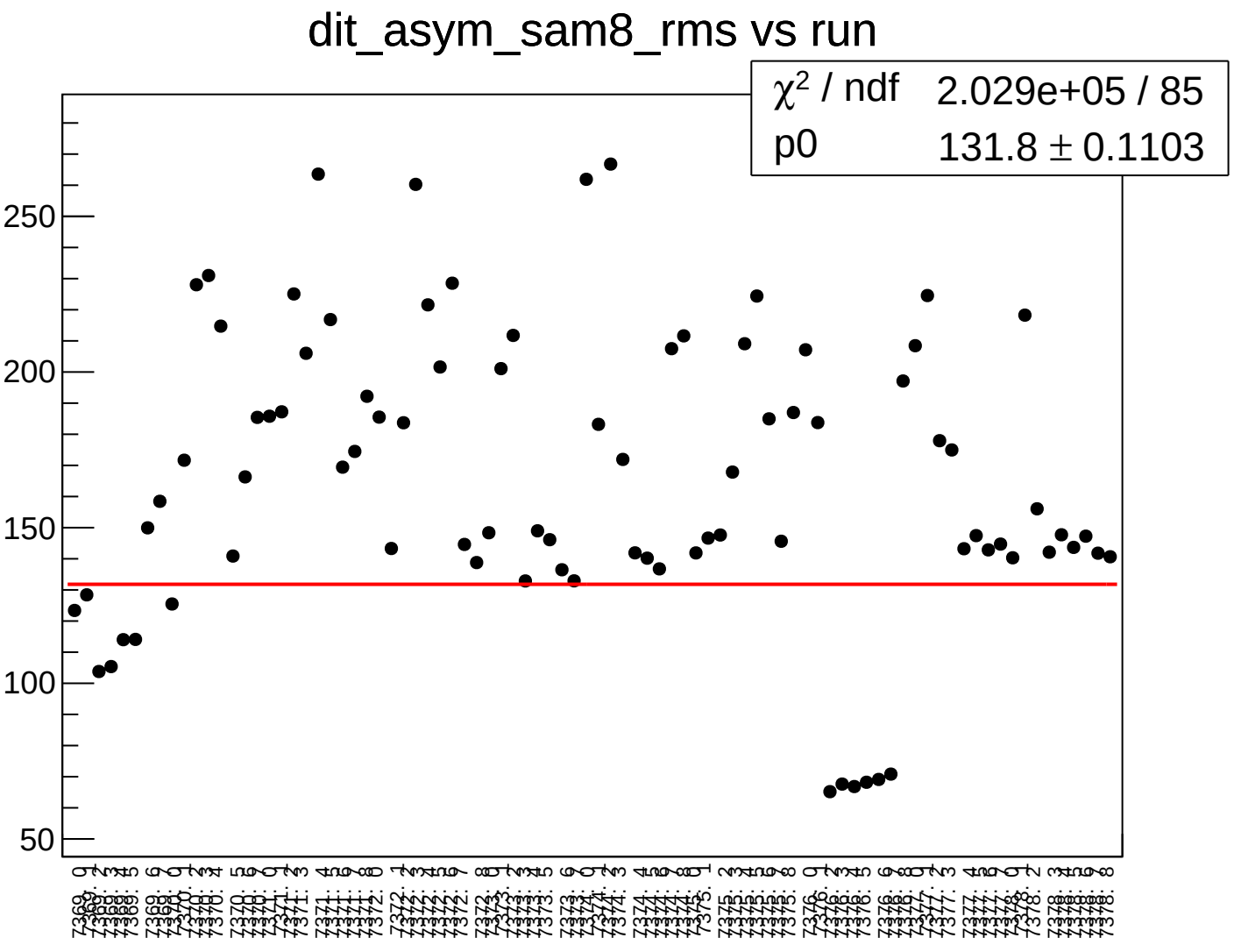

asym_sam7_mean vs run
χ² / ndf 92.87 / 85
p0 −86.17 ± 281.3
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 108.7
Std Dev 115.5
2
1
0
−1
−2

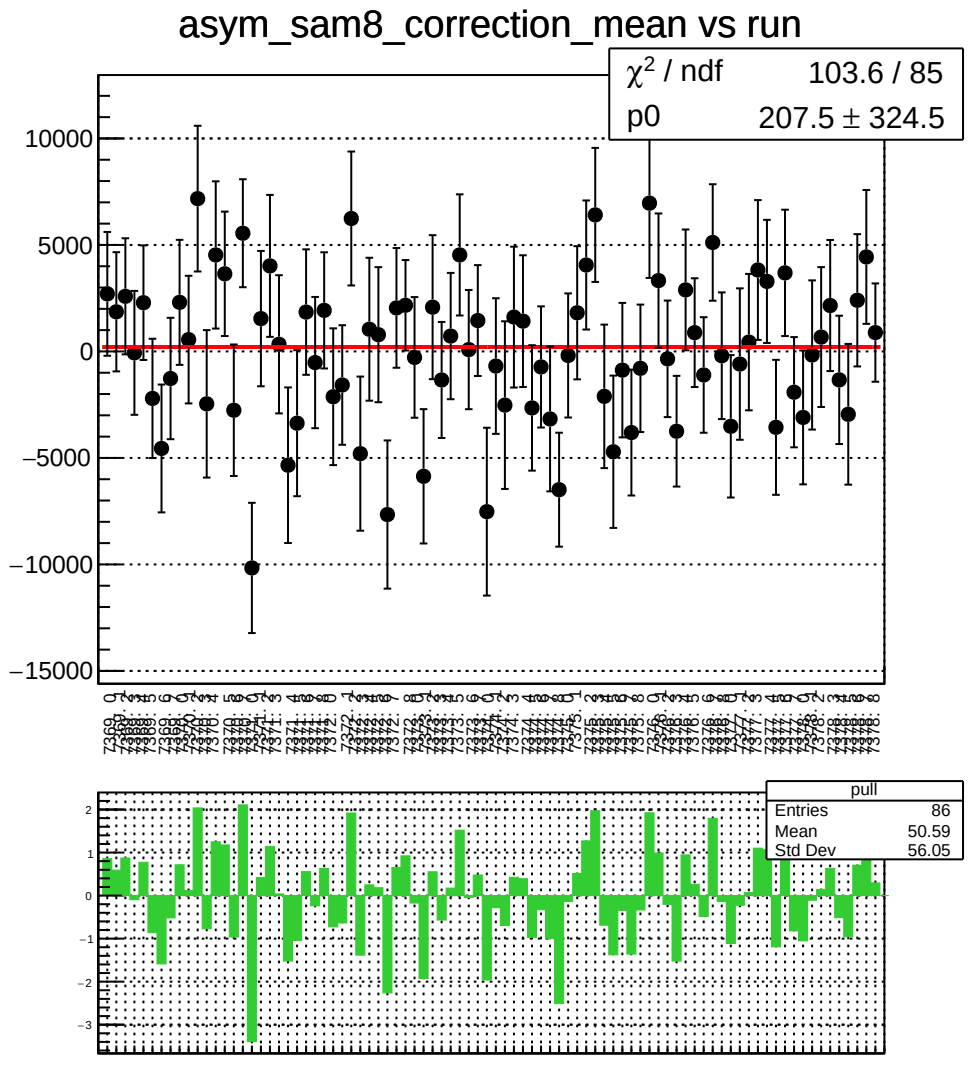

pull1D
Entries 86
Mean 0.008741
Std Dev 1.039
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

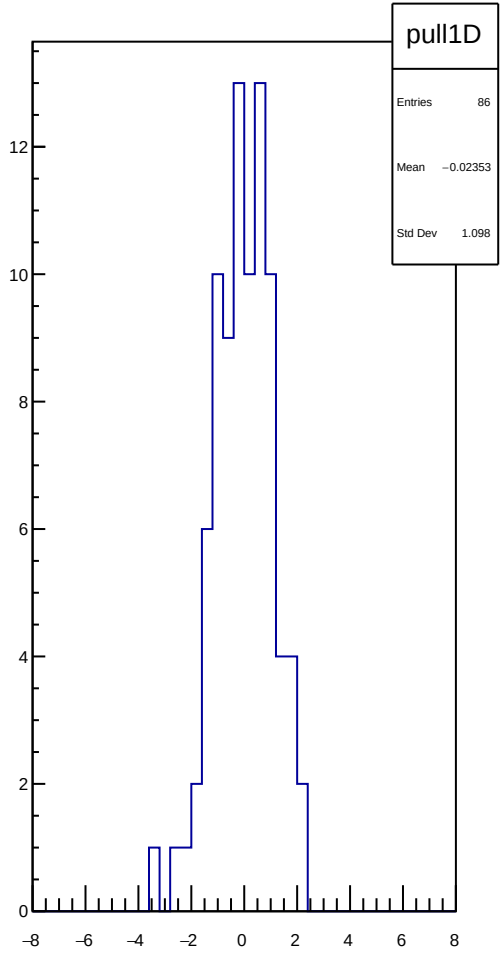

asym_sam7_rms vs run
χ² / ndf 5105 / 85
p0 253.5 ± 0.1989
290
280
270
260
250
240
230
220
210

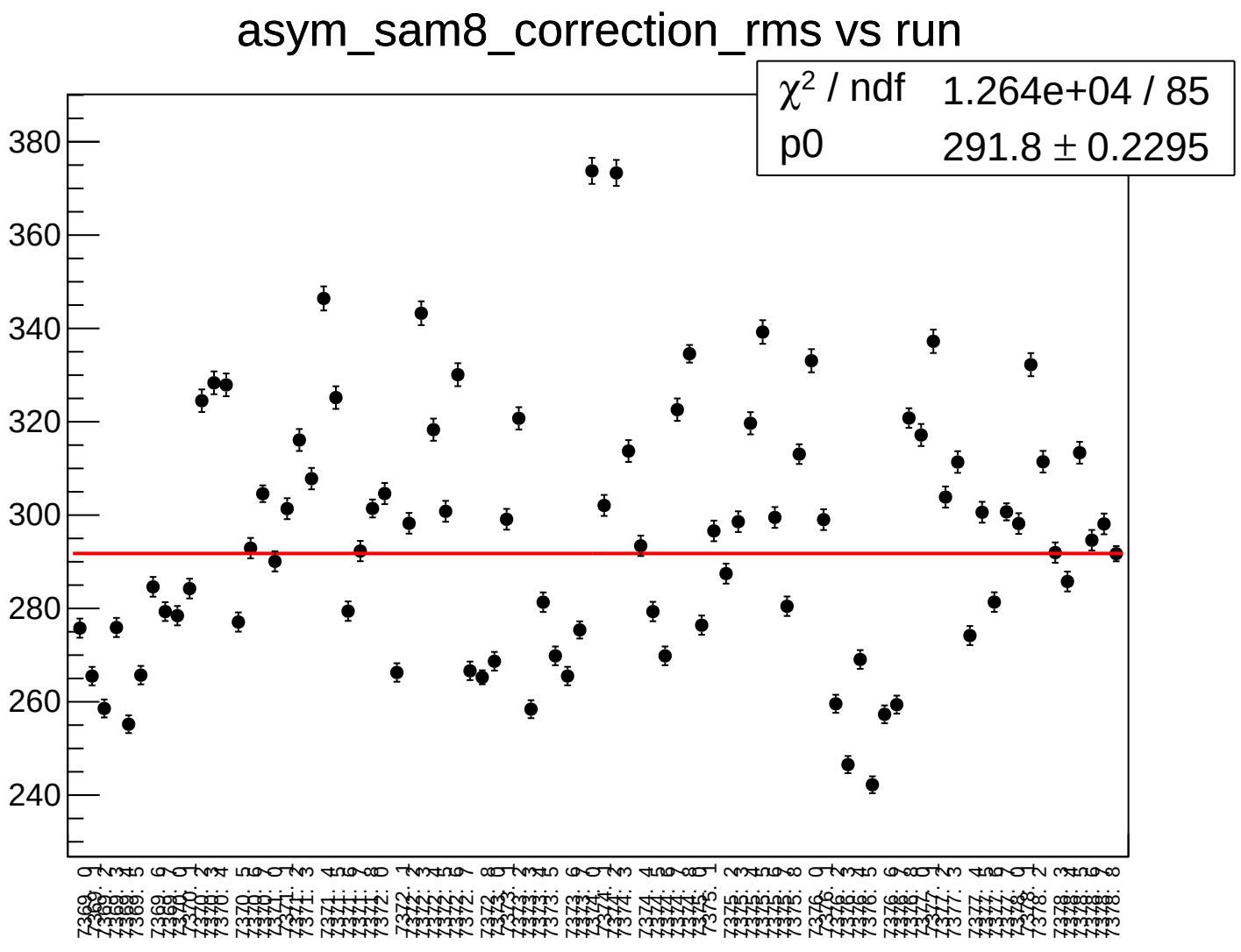

dit_asym_sam8_mean vs run
χ² / ndf 85.76 / 85
p0 −131.4 ± 156.1
pull
Entries 86
Mean 147.4
Std Dev 125.9

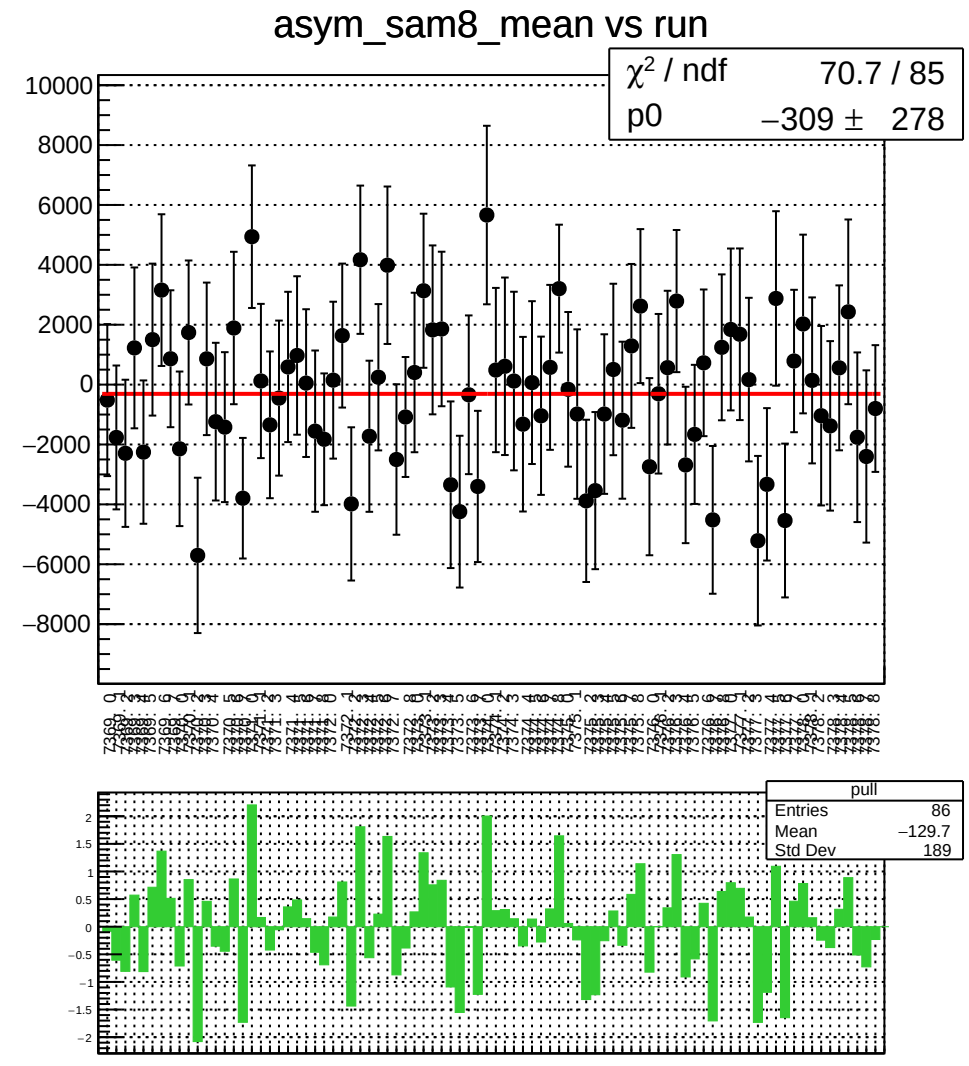

pull1D
Entries 86
Mean −0.02107
Std Dev 0.9984

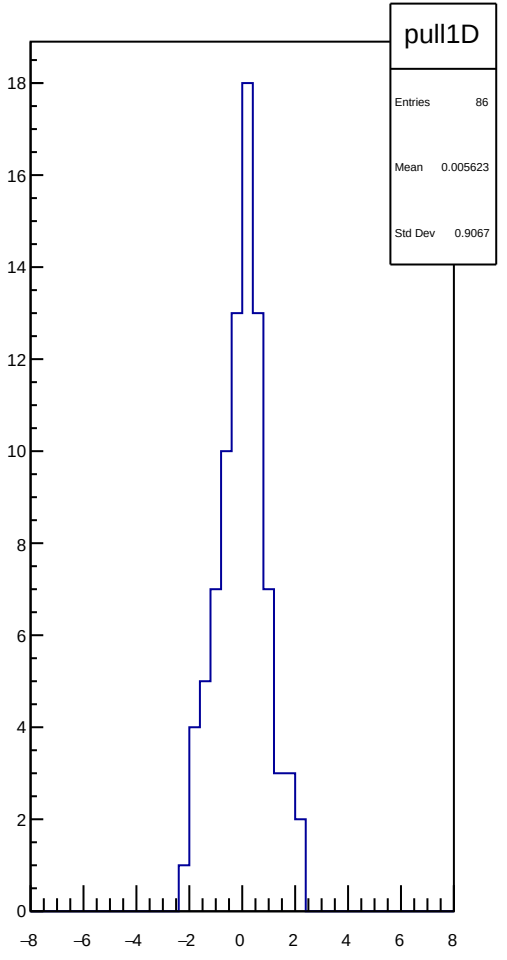

dit_asym_sam8_rms vs run
χ² / ndf 2.029e+05 / 85
p0 131.8 ± 0.1103
250
200
150
100
50

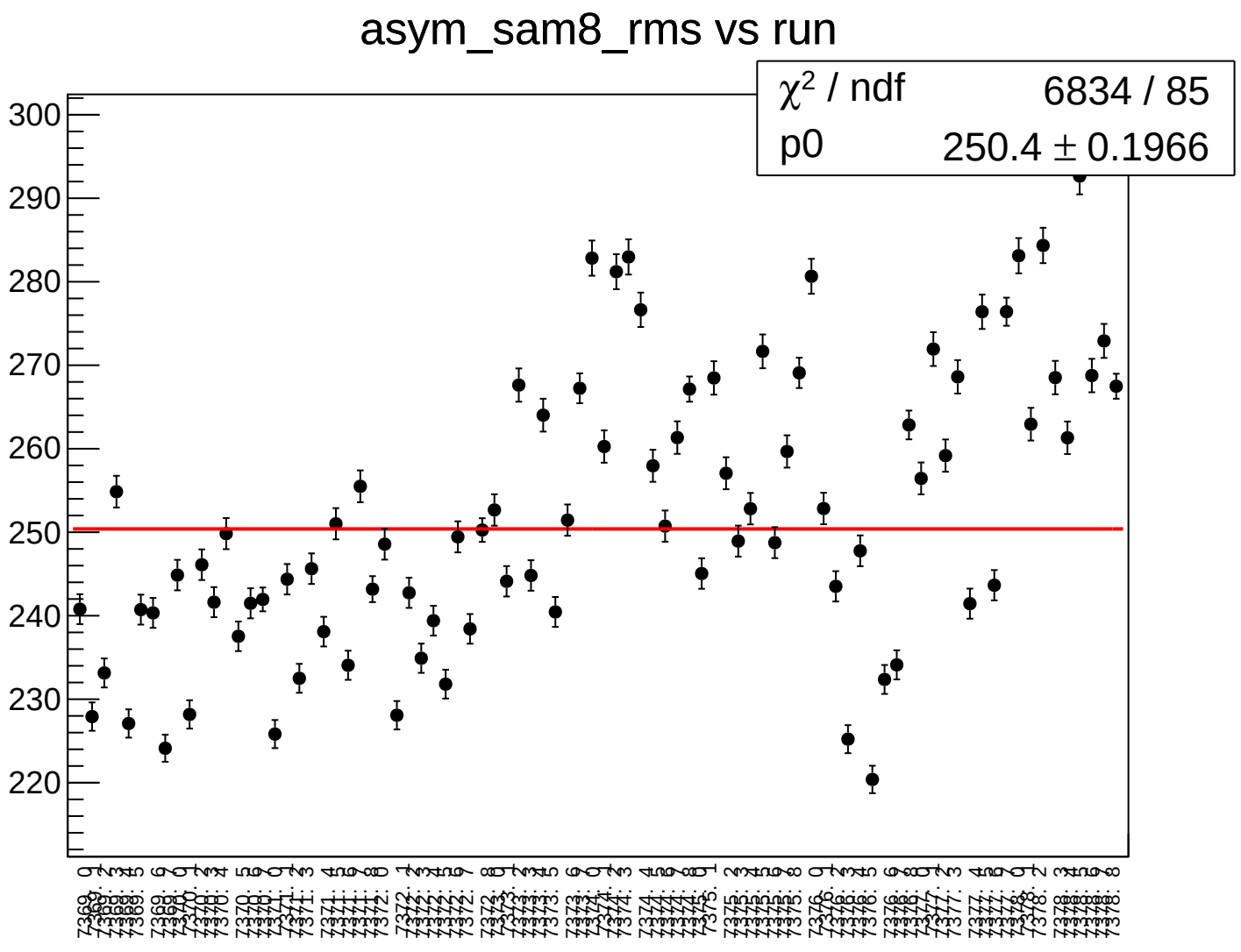

asym_sam8_correction_mean vs run
χ² / ndf 103.6 / 85
p0 207.5 ± 324.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 50.59
Std Dev 56.05
2
1
0
−1
−2
−3

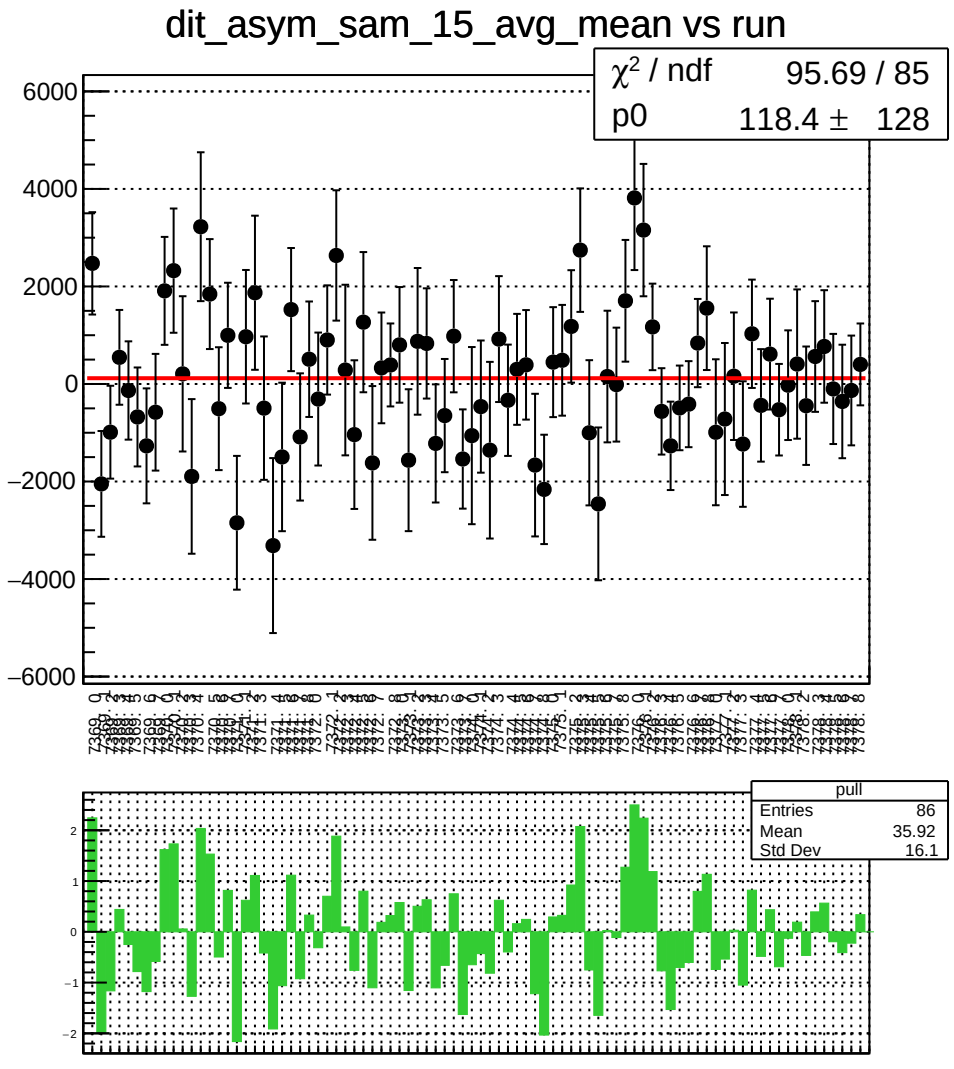

pull1D
Entries 86
Mean −0.02353
Std Dev 1.098
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

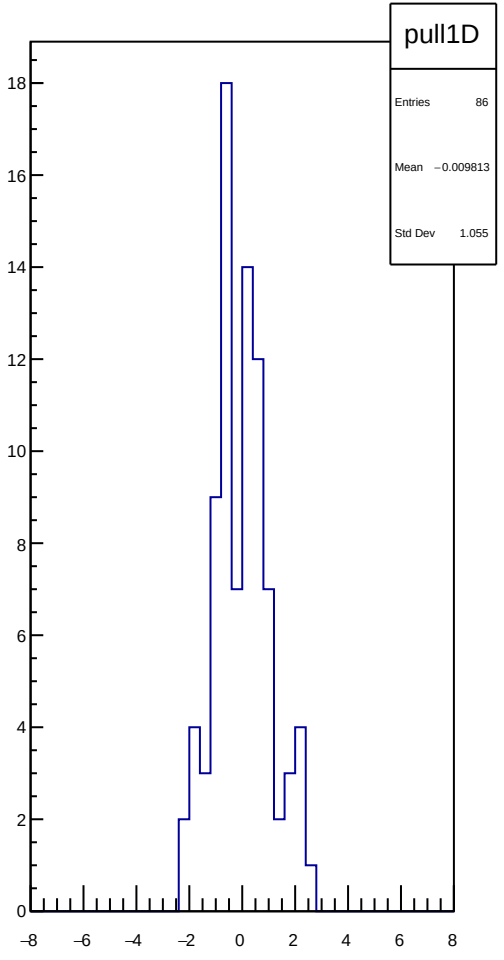

asym_sam8_correction_rms vs run
χ² / ndf 1.264e+04 / 85
p0 291.8 ± 0.2295
380
360
340
320
300
280
260
240

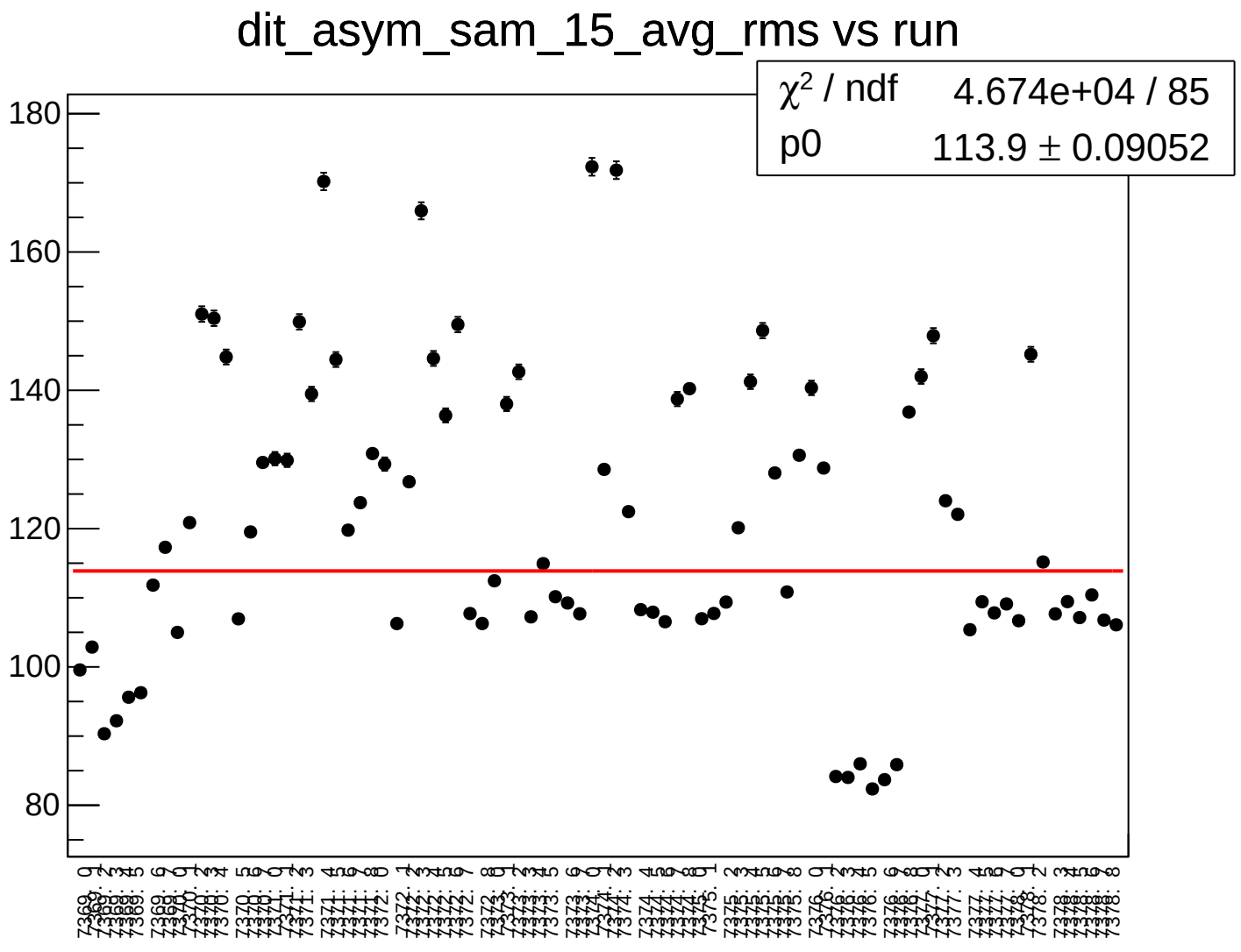

asym_sam8_mean vs run
χ² / ndf 70.7 / 85
p0 −309 ± 278
pull
Entries 86
Mean −129.7
Std Dev 189

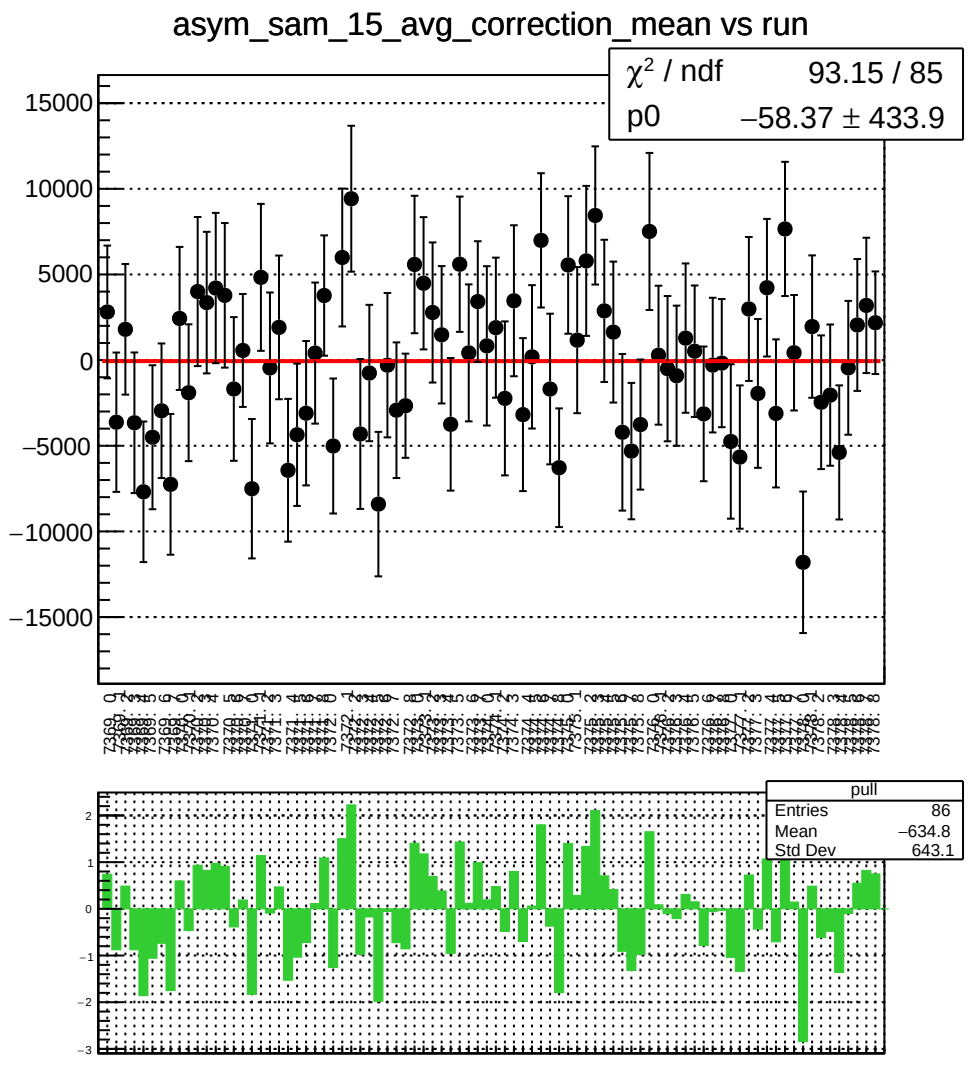

pull1D
Entries 86
Mean 0.005623
Std Dev 0.9067

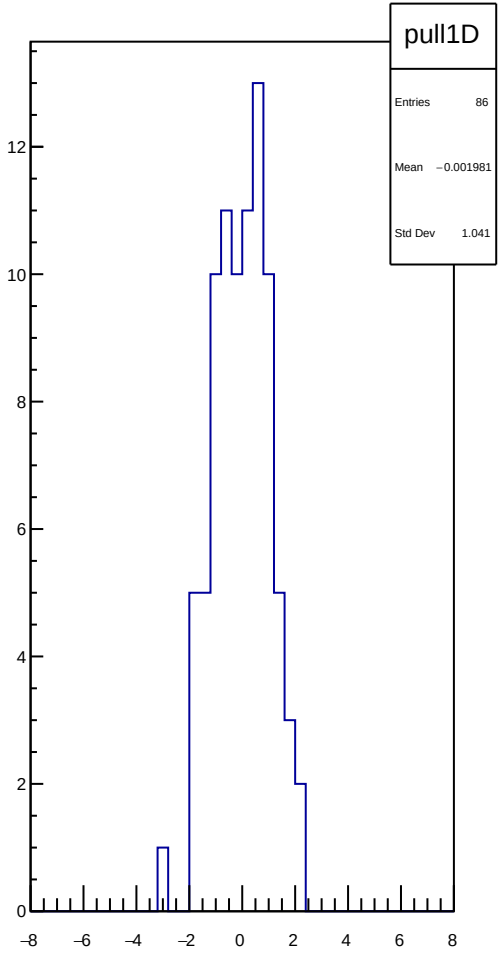

asym_sam8_rms vs run
χ² / ndf 6834 / 85
p0 250.4 ± 0.1966
300
290
280
270
260
250
240
230
220

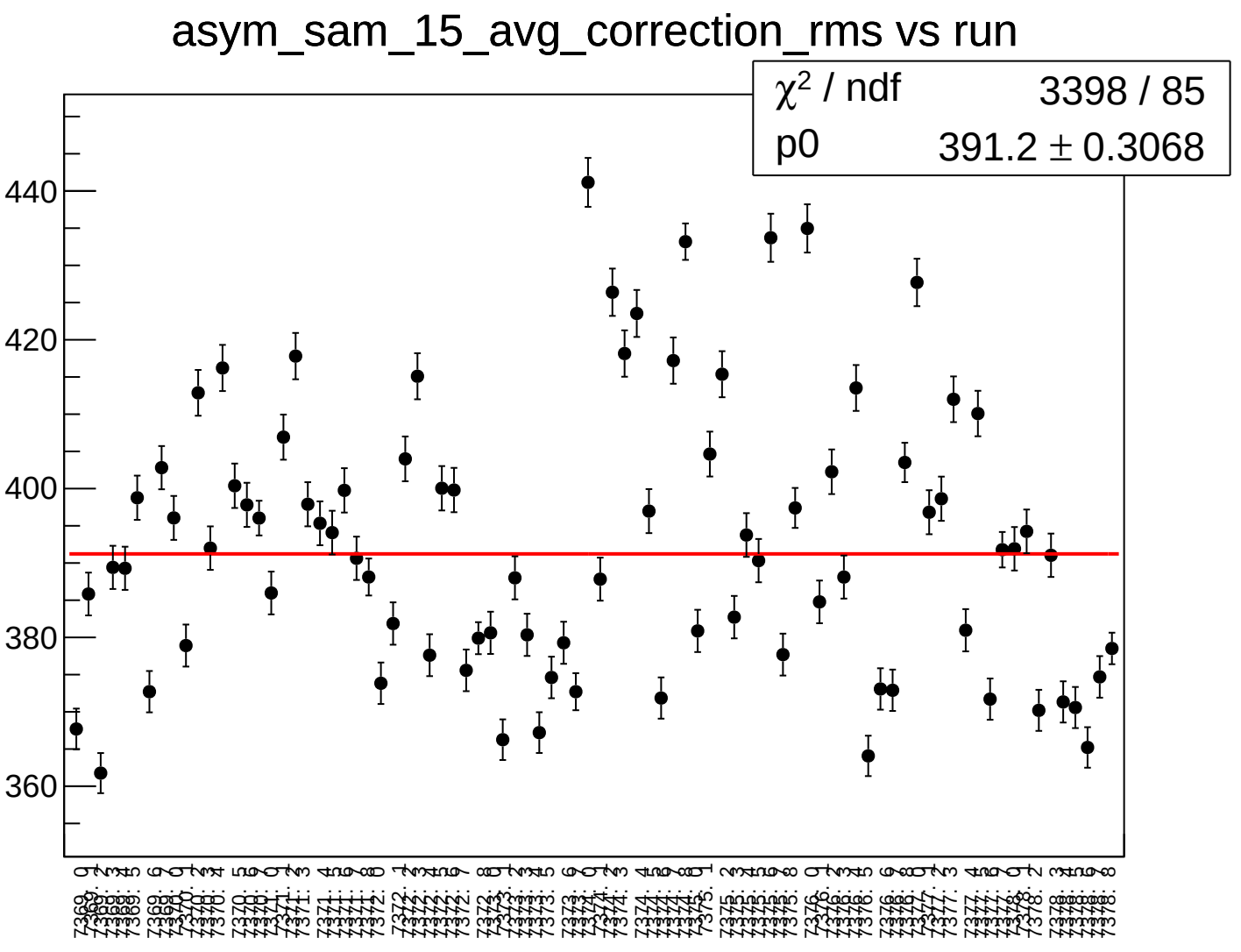

dit_asym_sam_15_avg_mean vs run
χ² / ndf 95.69 / 85
p0 118.4 ± 128
pull
Entries 86
Mean 35.92
Std Dev 16.1

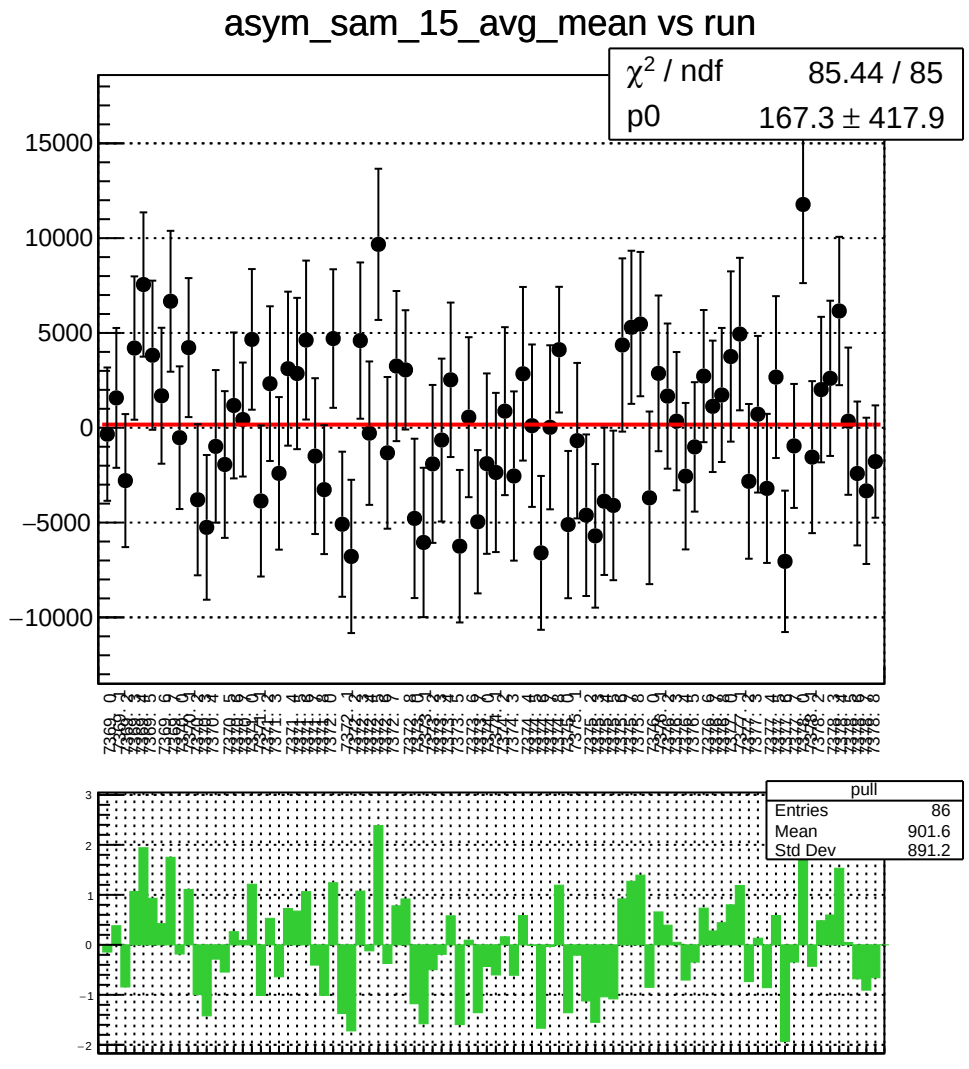

pull1D
Entries 86
Mean −0.009813
Std Dev 1.055

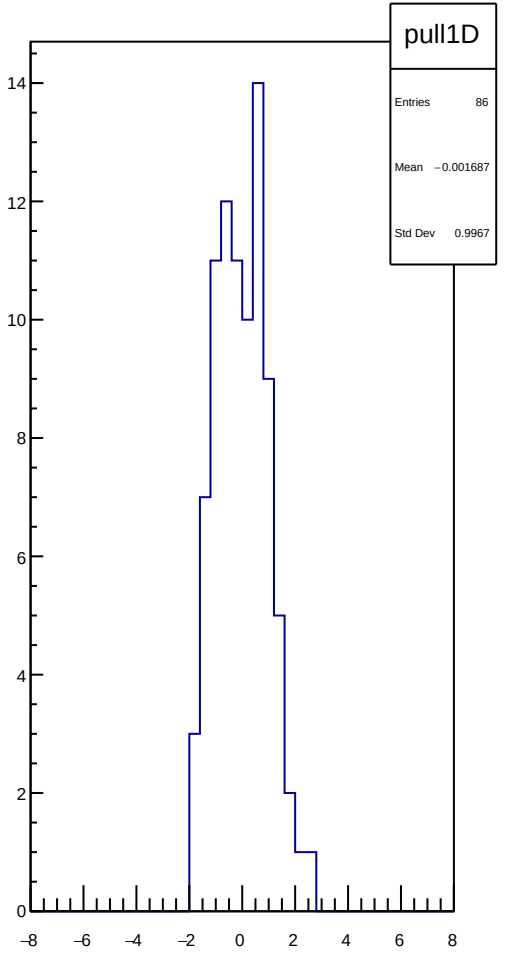

dit_asym_sam_15_avg_rms vs run
χ² / ndf 4.674e+04 / 85
p0 113.9 ± 0.09052
180
160
140
120
100
80

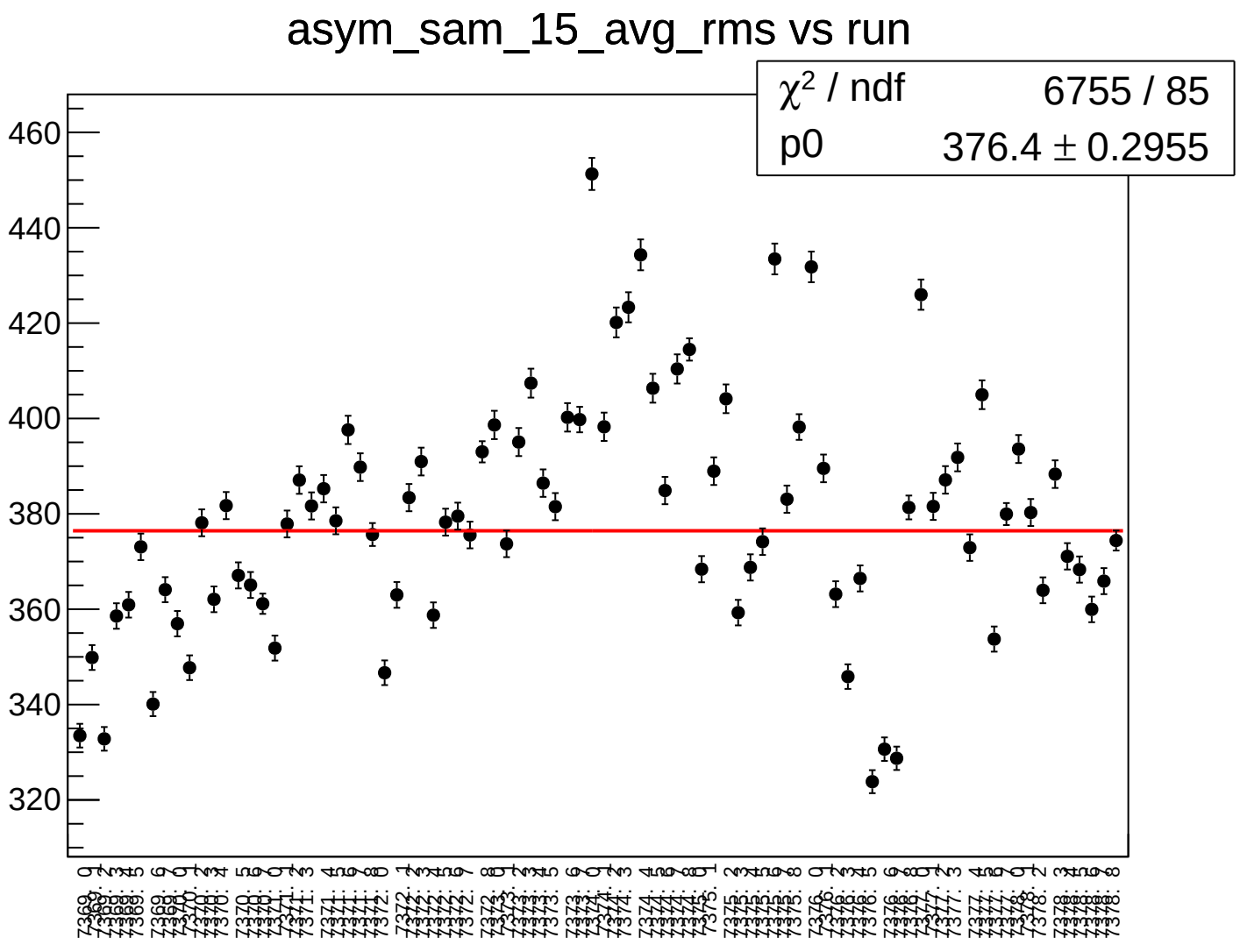

asym_sam_15_avg_correction_mean vs run
χ² / ndf 93.15 / 85
p0 −58.37 ± 433.9
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −634.8
Std Dev 643.1
2
1
0
−1
−2
−3

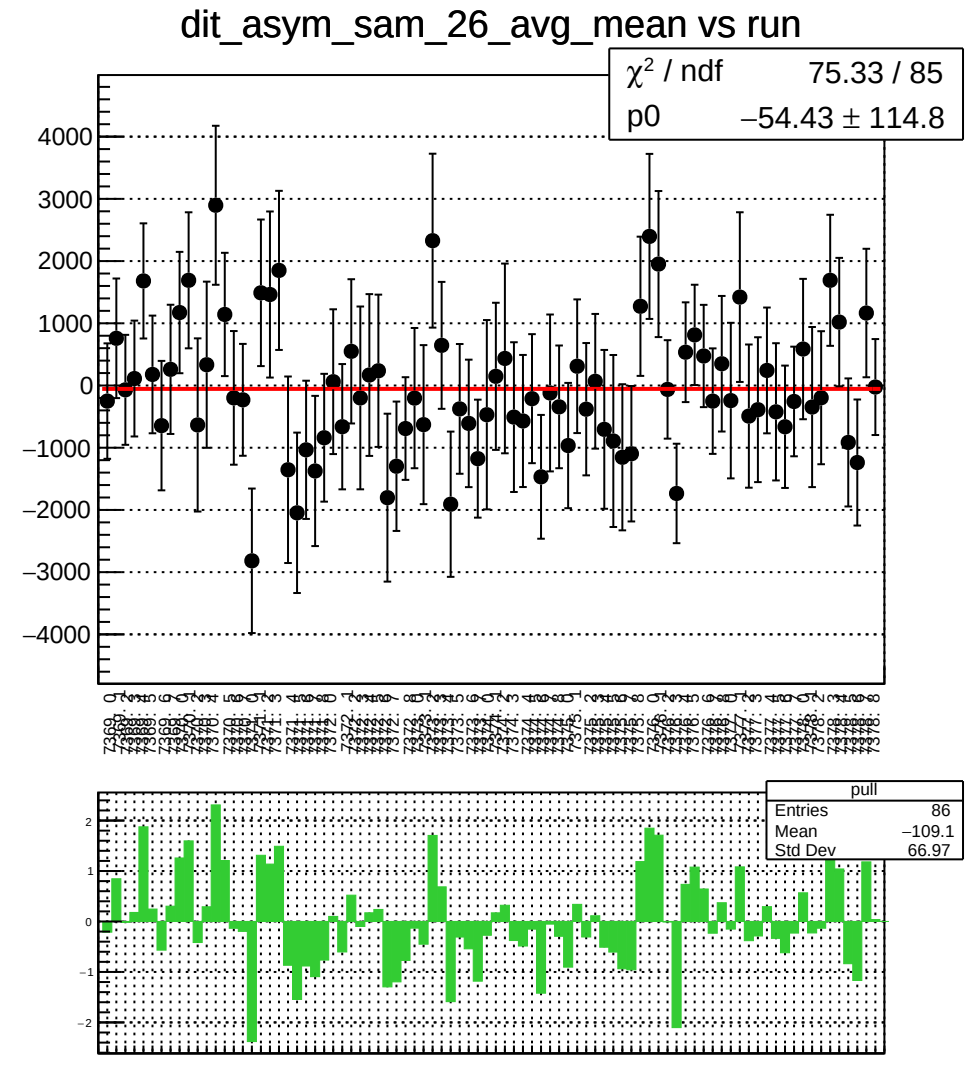

pull1D
Entries 86
Mean −0.001981
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

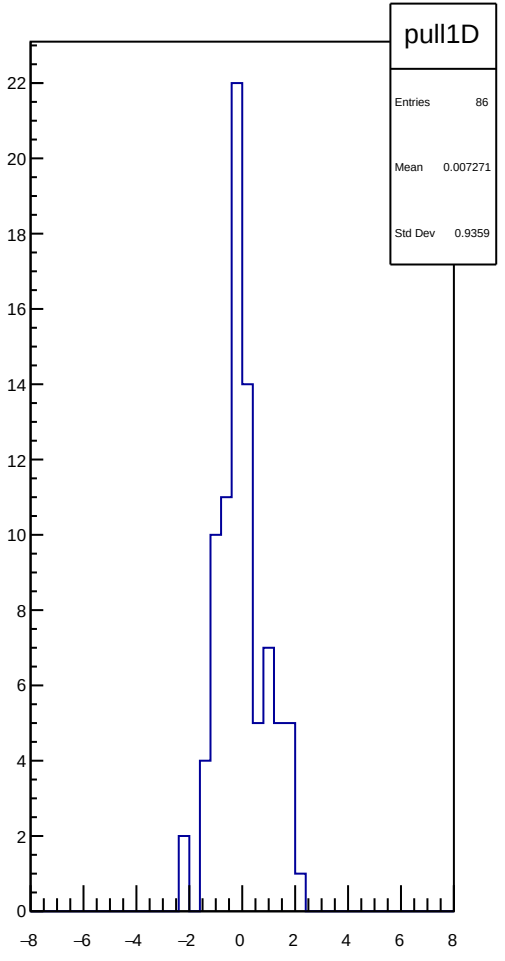

asym_sam_15_avg_correction_rms vs run
χ² / ndf 3398 / 85
p0 391.2 ± 0.3068
440
420
400
380
360

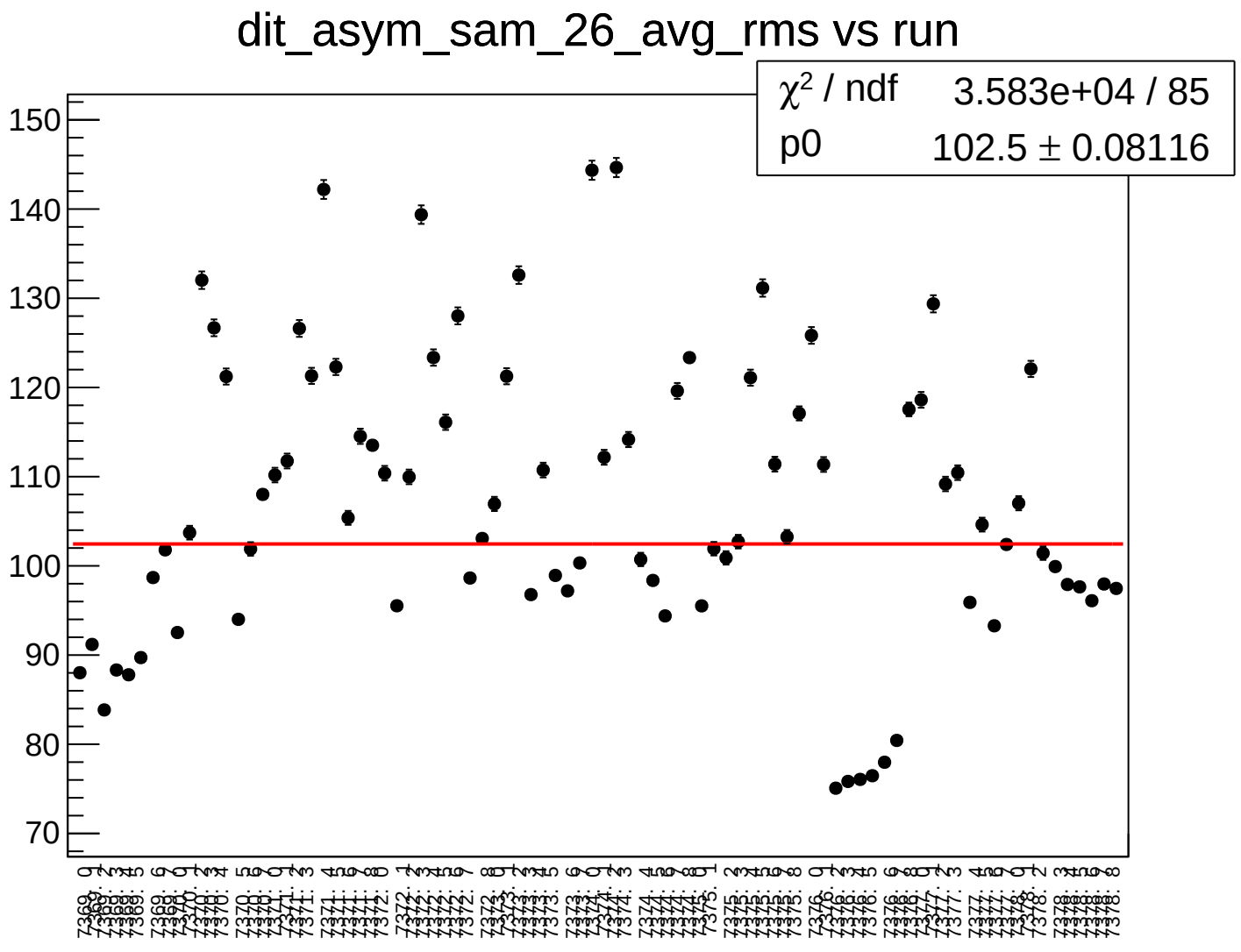

asym_sam_15_avg_mean vs run
χ² / ndf 85.44 / 85
p0 167.3 ± 417.9
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 901.6
Std Dev 891.2
3
2
1
0
−1
−2

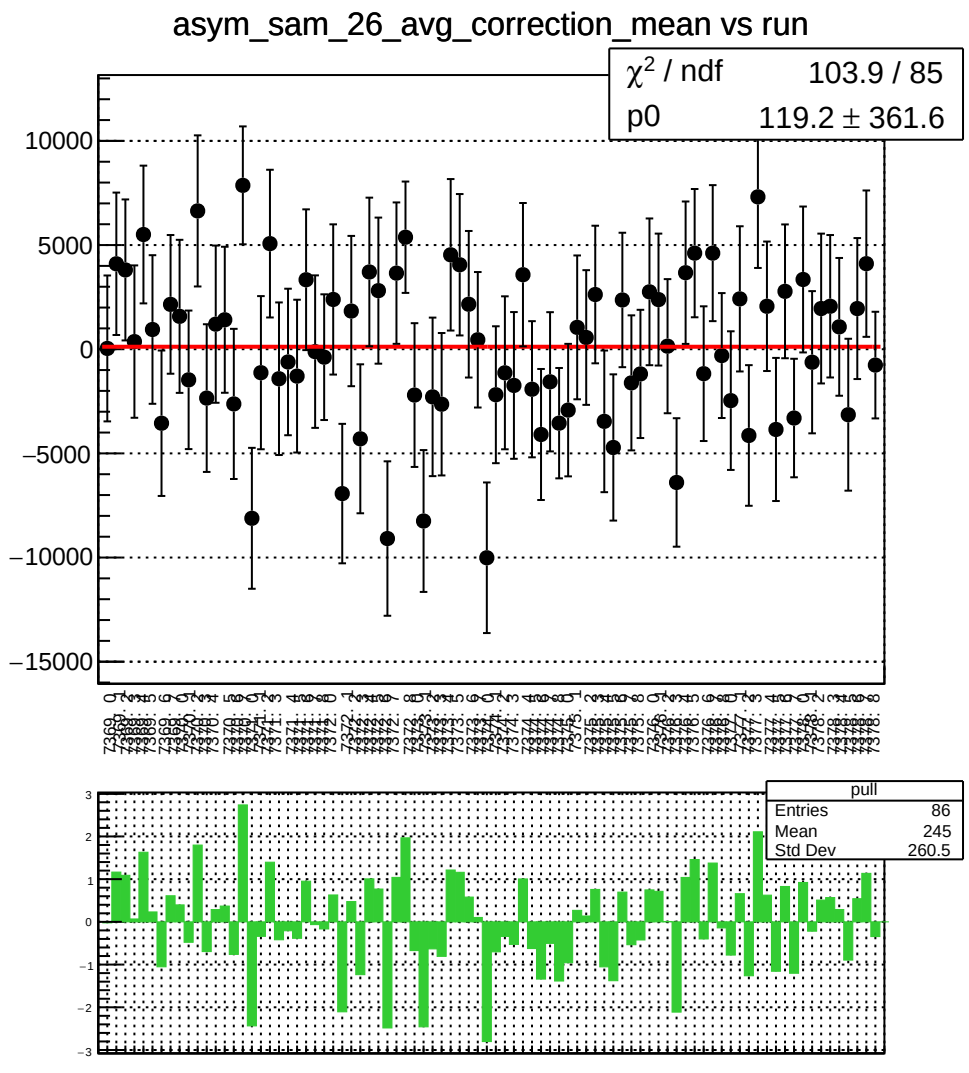

pull1D
Entries 86
Mean −0.001687
Std Dev 0.9967
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

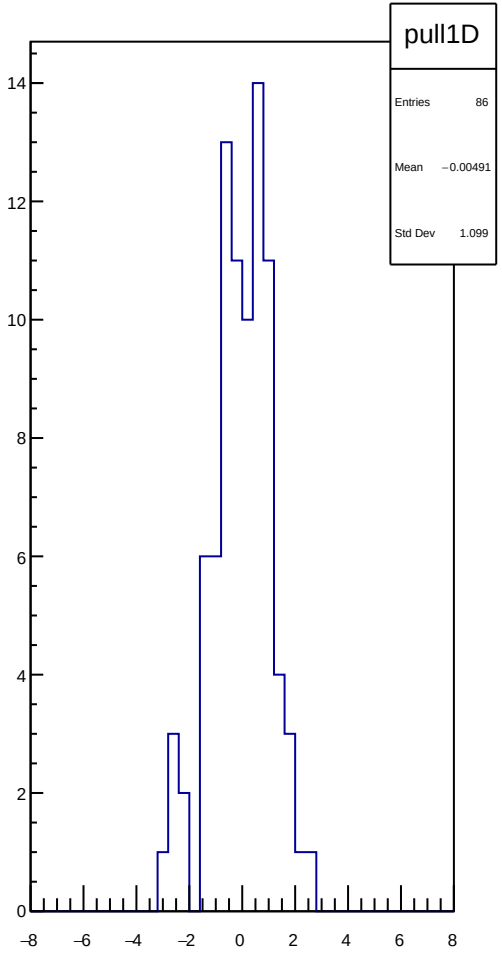

asym_sam_15_avg_rms vs run
χ² / ndf 6755 / 85
p0 376.4 ± 0.2955
460
440
420
400
380
360
340
320

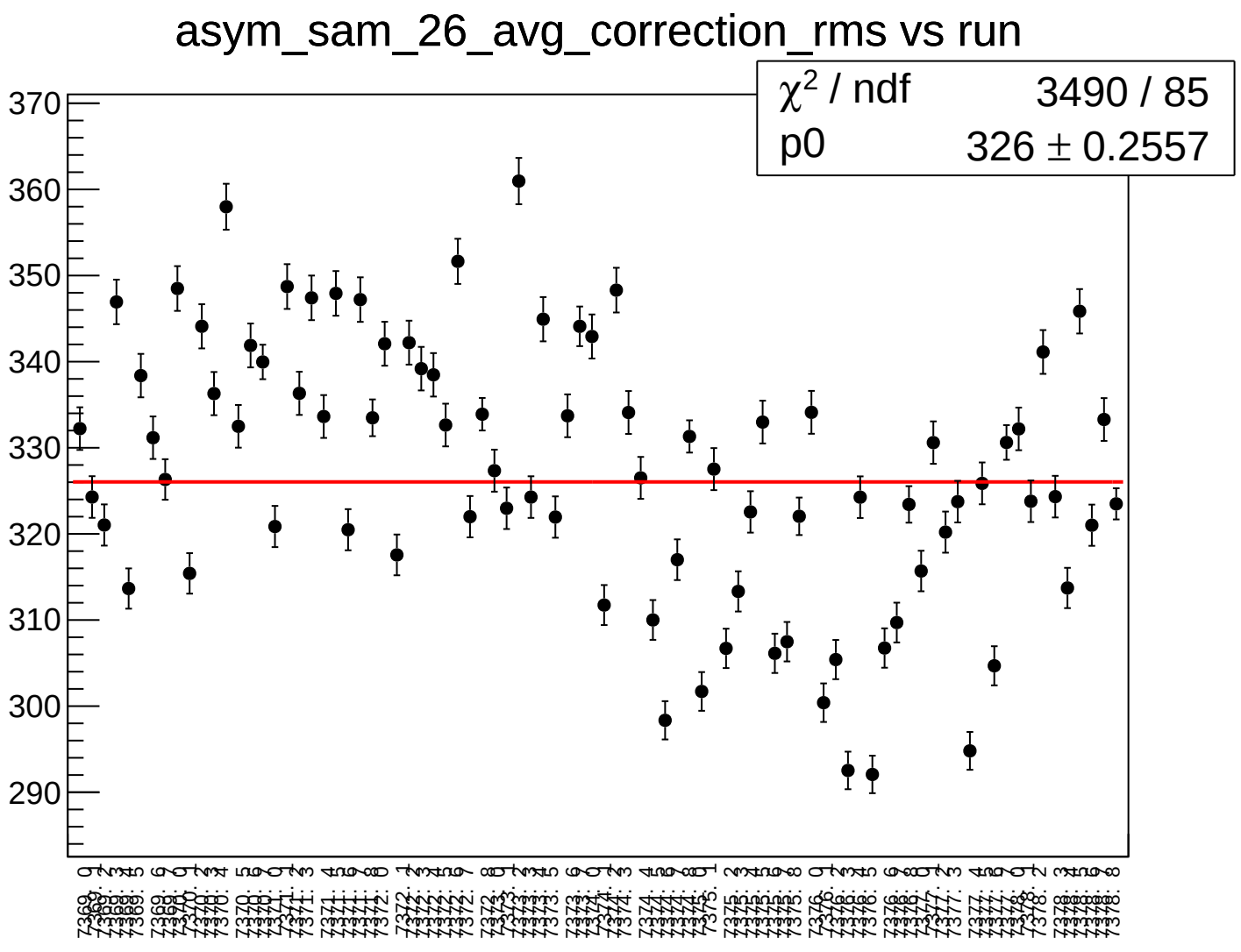

dit_asym_sam_26_avg_mean vs run
χ² / ndf 75.33 / 85
p0 −54.43 ± 114.8
pull
Entries 86
Mean −109.1
Std Dev 66.97

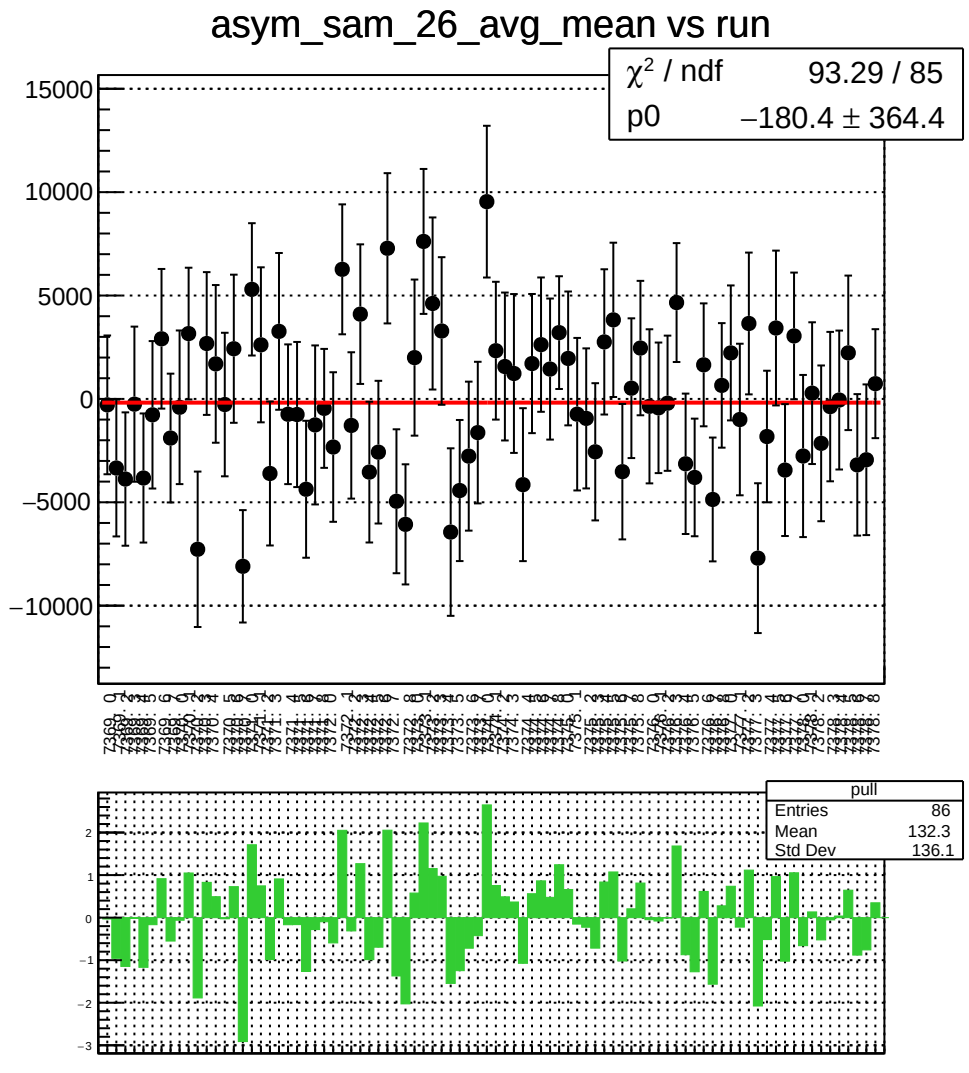

pull1D
Entries 86
Mean 0.007271
Std Dev 0.9359

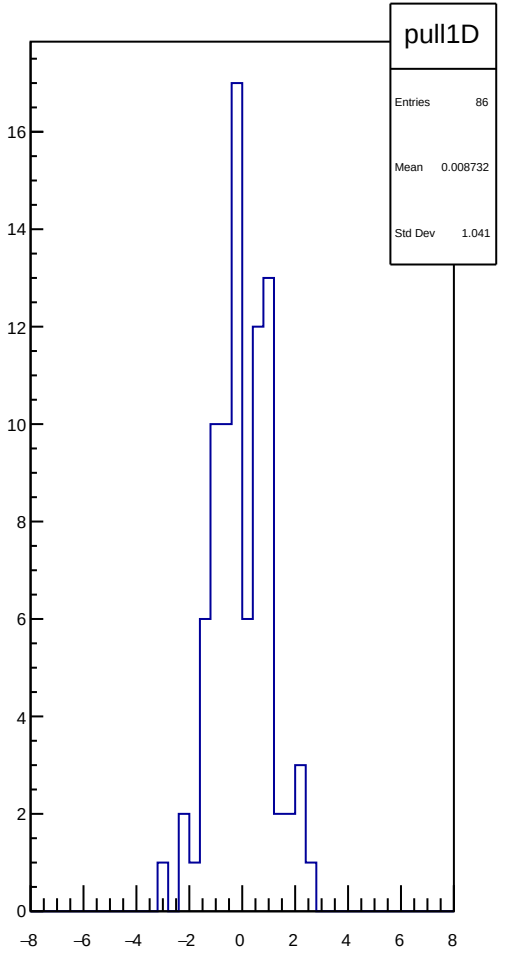

dit_asym_sam_26_avg_rms vs run
χ² / ndf 3.583e+04 / 85
p0 102.5 ± 0.08116
150
140
130
120
110
100
90
80
70

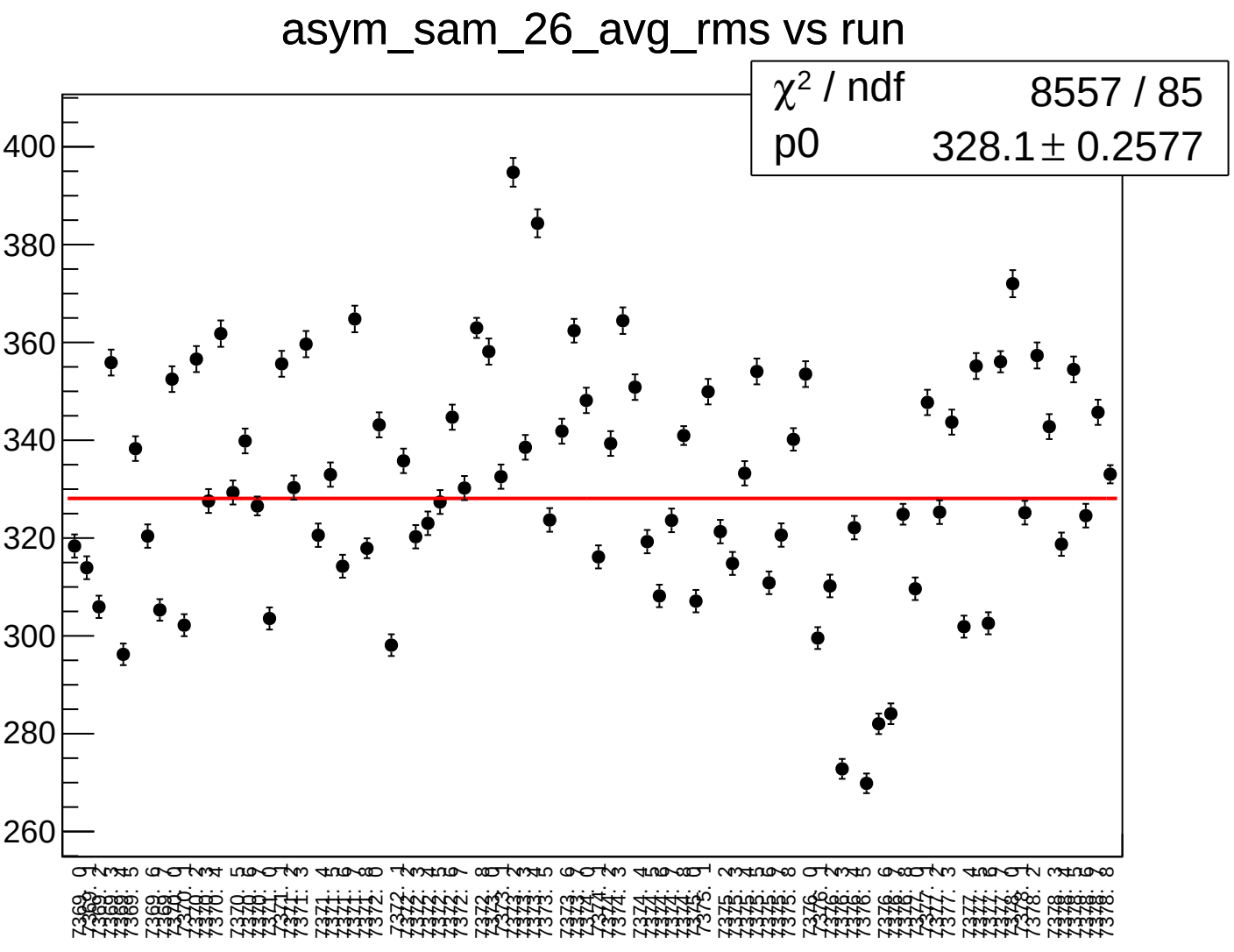

asym_sam_26_avg_correction_mean vs run
$\chi^2$ / ndf 103.9 / 85
p0 119.2 ± 361.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 245
Std Dev 260.5
3
2
1
0
−1
−2
−3

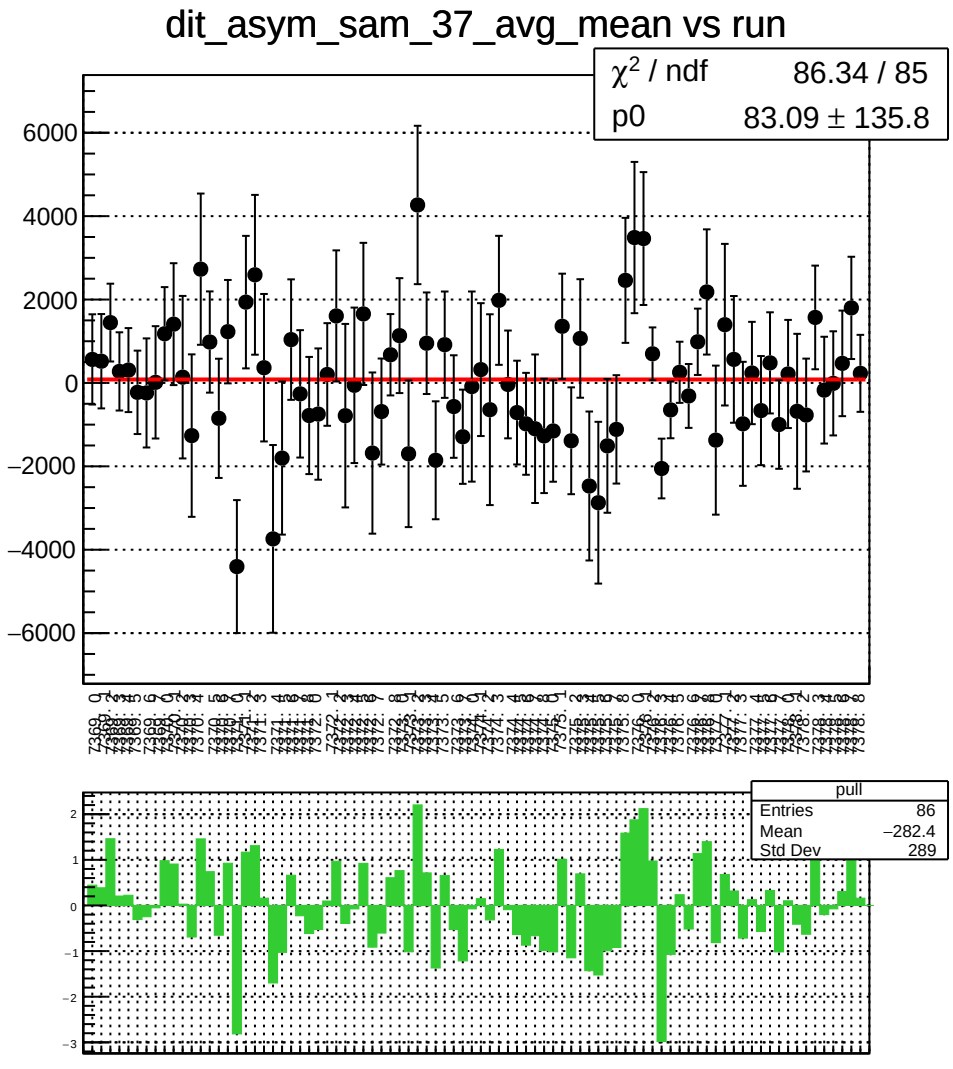

pull1D
Entries 86
Mean −0.00491
Std Dev 1.099
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

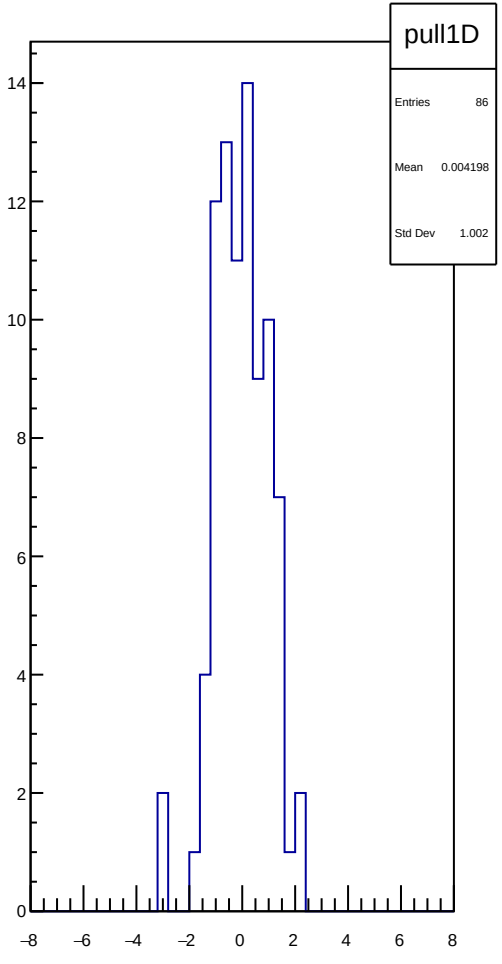

asym_sam_26_avg_correction_rms vs run
$\chi^2$ / ndf 3490 / 85
p0 326 ± 0.2557
370
360
350
340
330
320
310
300
290

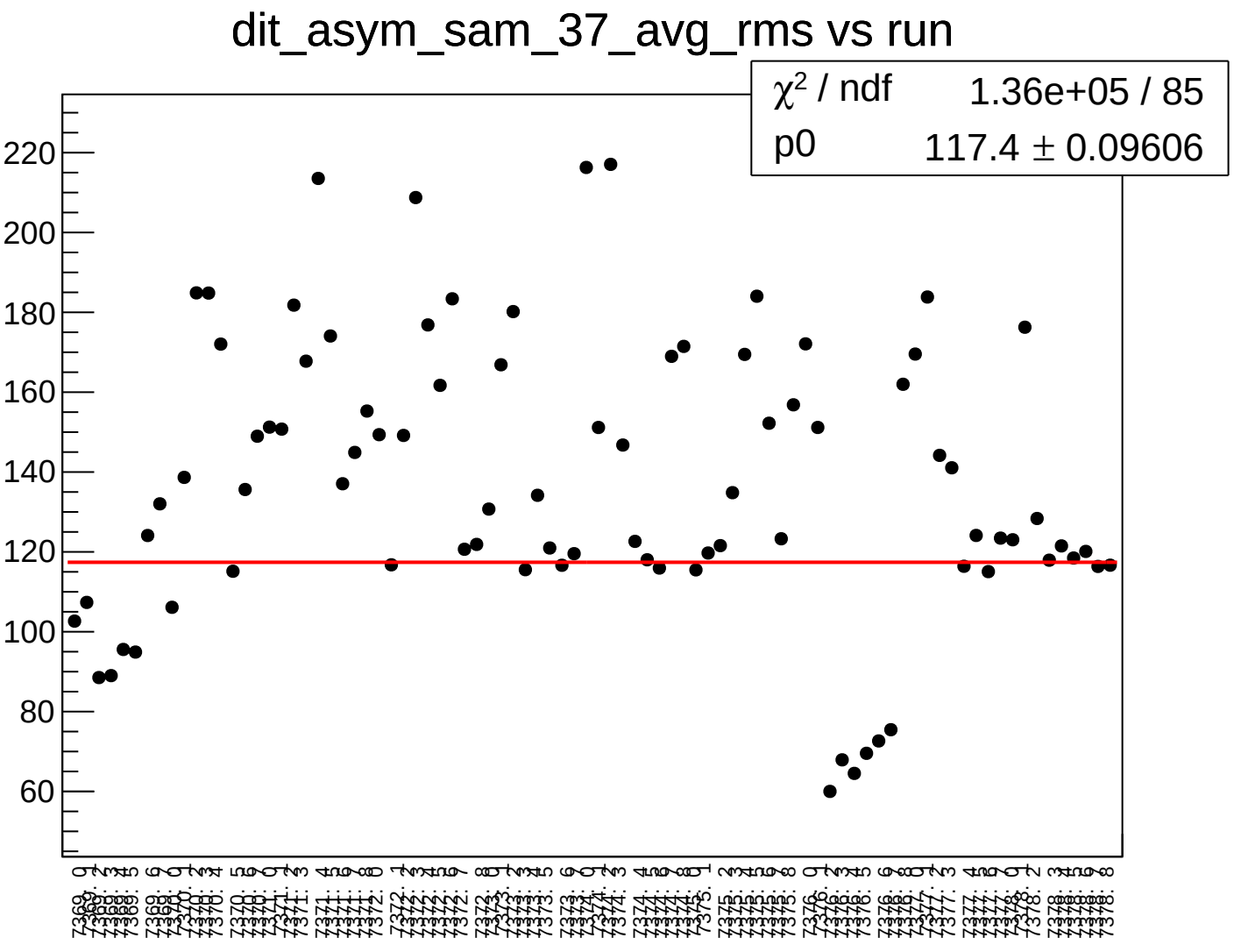

asym_sam_26_avg_mean vs run
χ² / ndf 93.29 / 85
p0 −180.4 ± 364.4
15000
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 132.3
Std Dev 136.1
2
1
0
−1
−2
−3

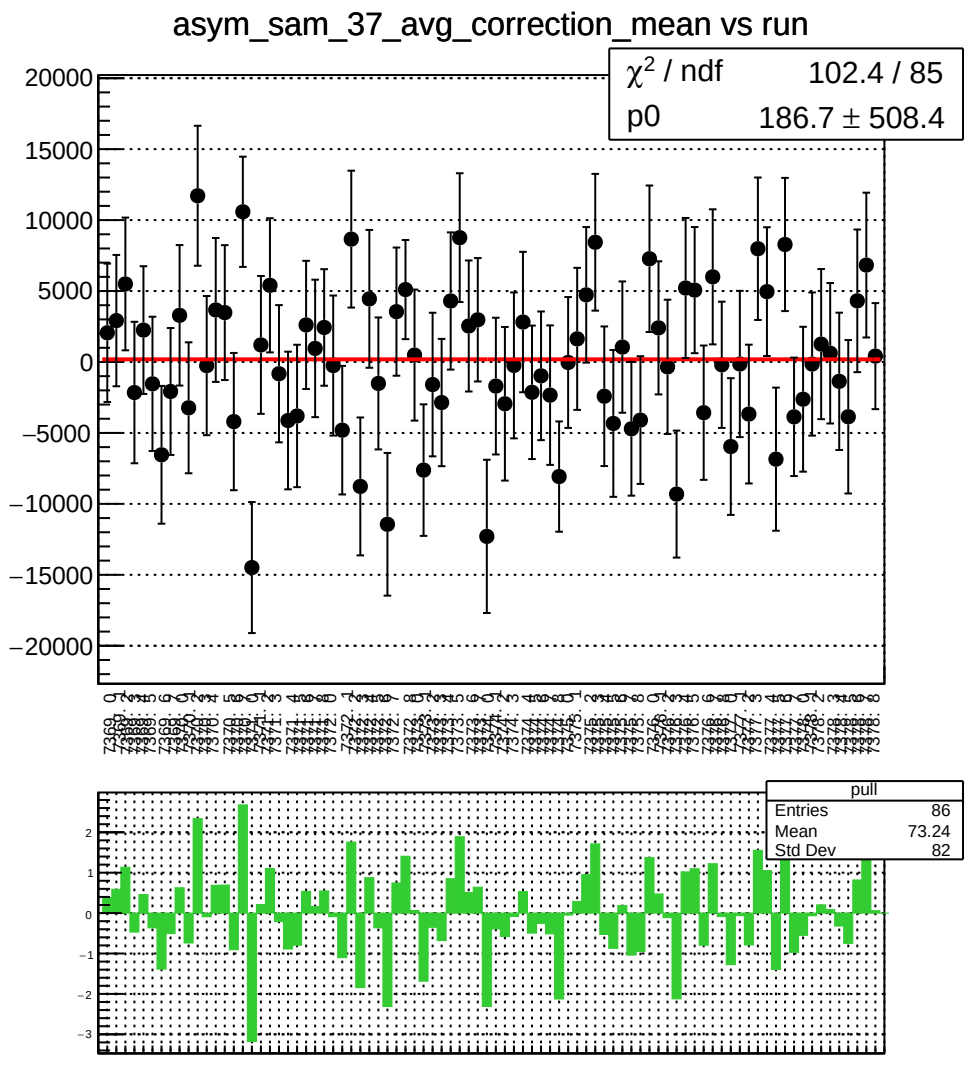

pull1D
Entries 86
Mean 0.008732
Std Dev 1.041
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

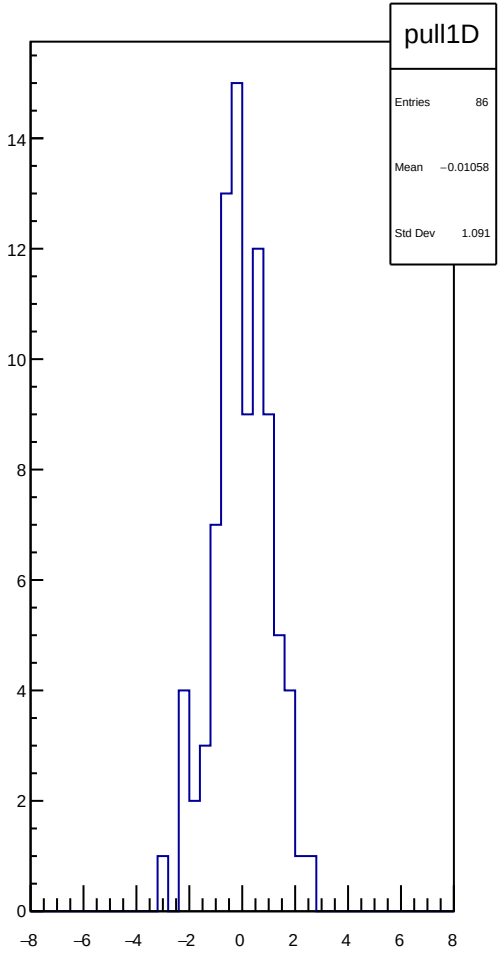

asym_sam_26_avg_rms vs run
χ² / ndf 8557 / 85
p0 328.1 ± 0.2577
400
380
360
340
320
300
280
260

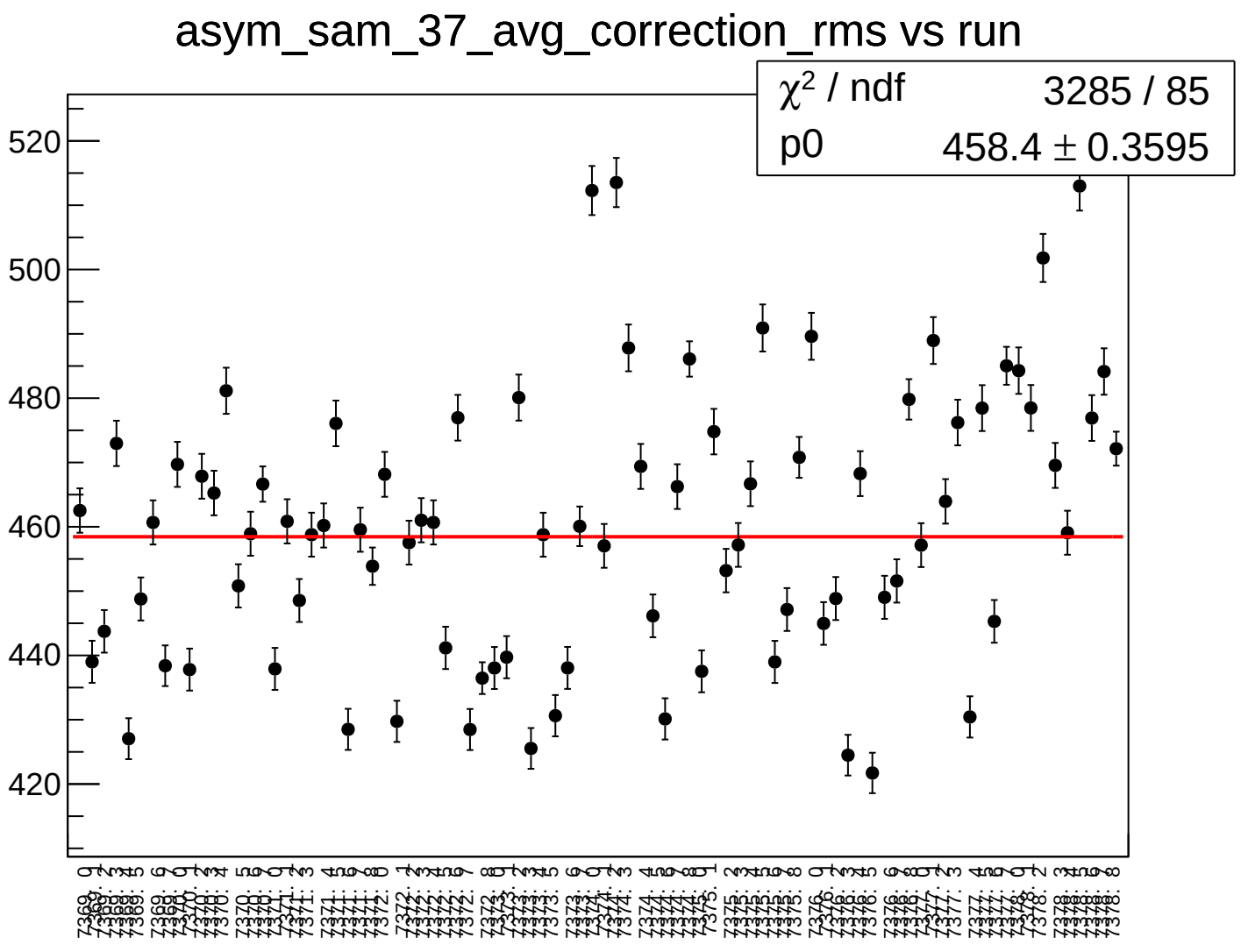

dit_asym_sam_37_avg_mean vs run
$\chi^2$ / ndf 86.34 / 85
p0 83.09 ± 135.8
pull
Entries 86
Mean −282.4
Std Dev 289

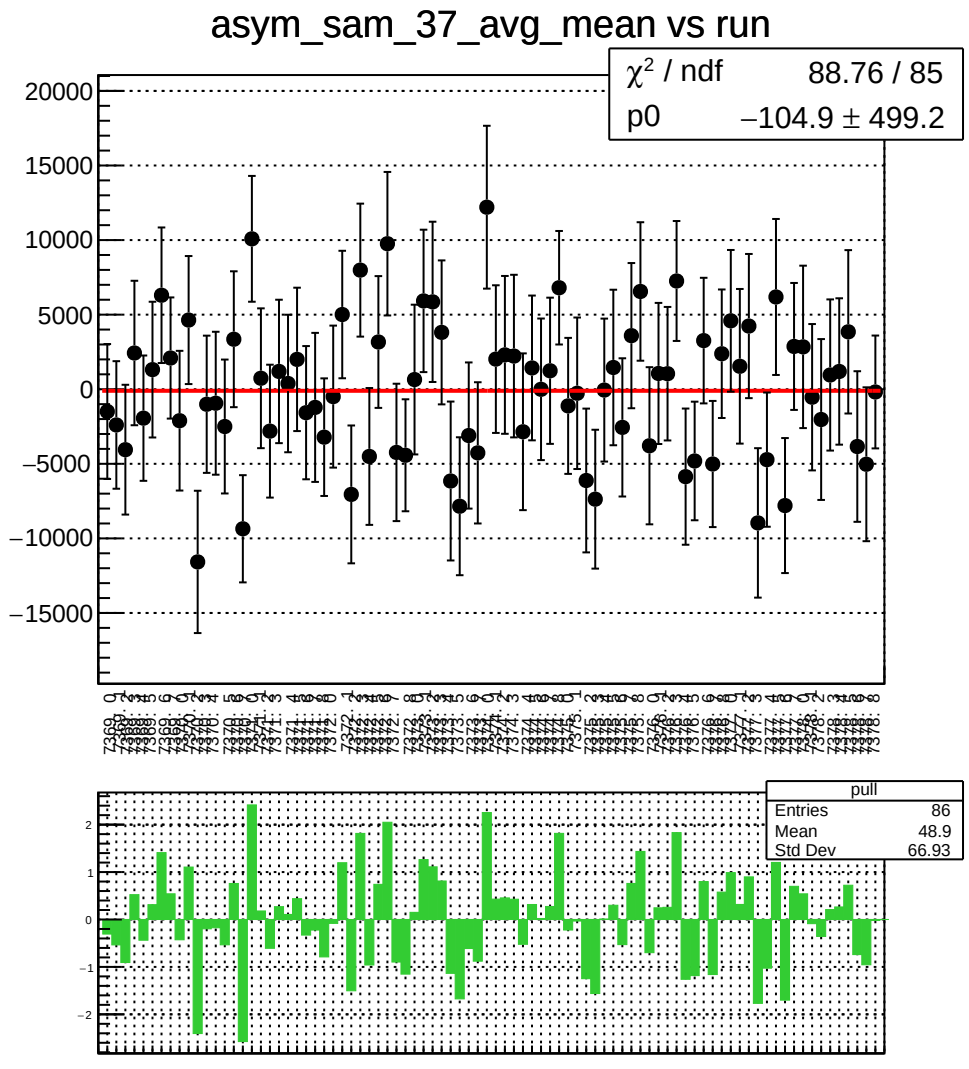

pull1D
Entries 86
Mean 0.004198
Std Dev 1.002

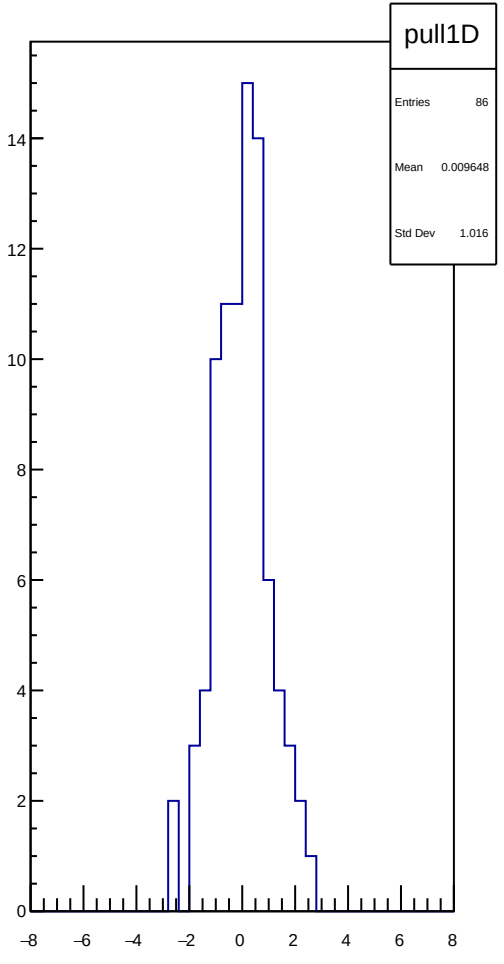

dit_asym_sam_37_avg_rms vs run
χ² / ndf 1.36e+05 / 85
p0 117.4 ± 0.09606
220
200
180
160
140
120
100
80
60

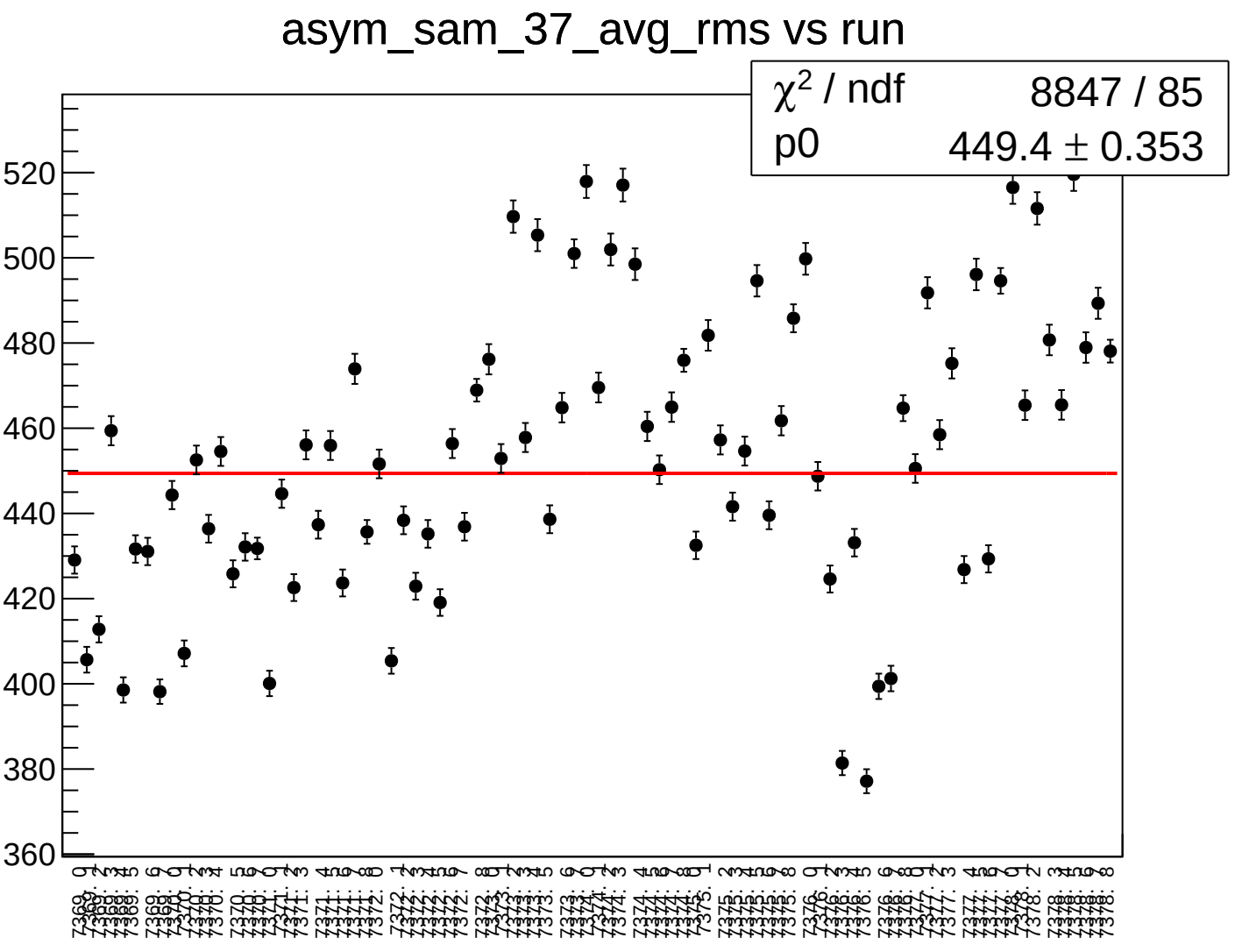

asym_sam_37_avg_correction_mean vs run
χ² / ndf 102.4 / 85
p0 186.7 ± 508.4
pull
Entries 86
Mean 73.24
Std Dev 82

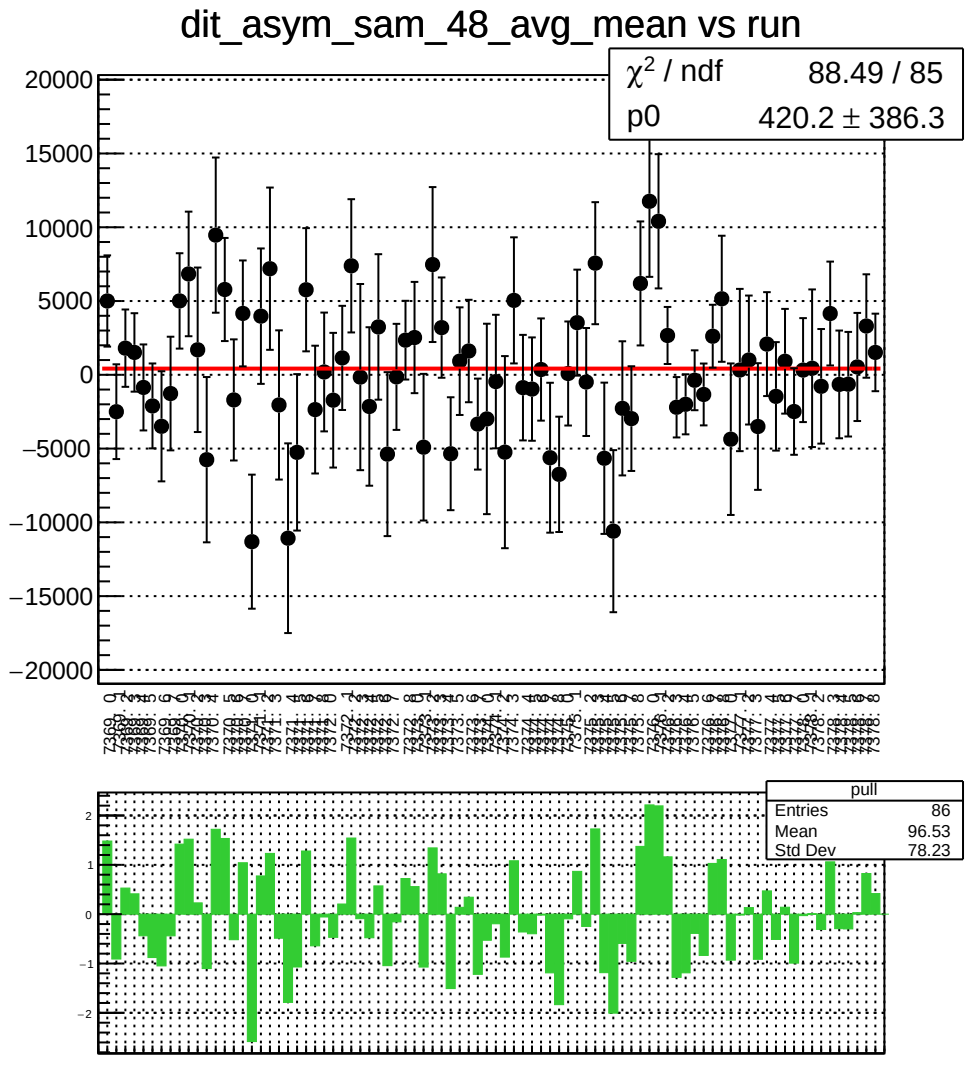

pull1D
Entries 86
Mean −0.01058
Std Dev 1.091

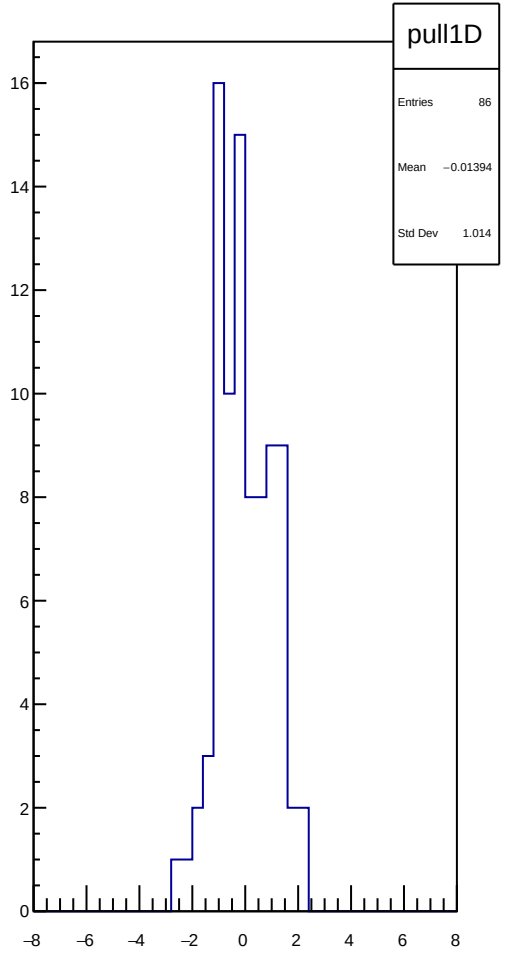

asym_sam_37_avg_correction_rms vs run
χ² / ndf 3285 / 85
p0 458.4 ± 0.3595
520
500
480
460
440
420

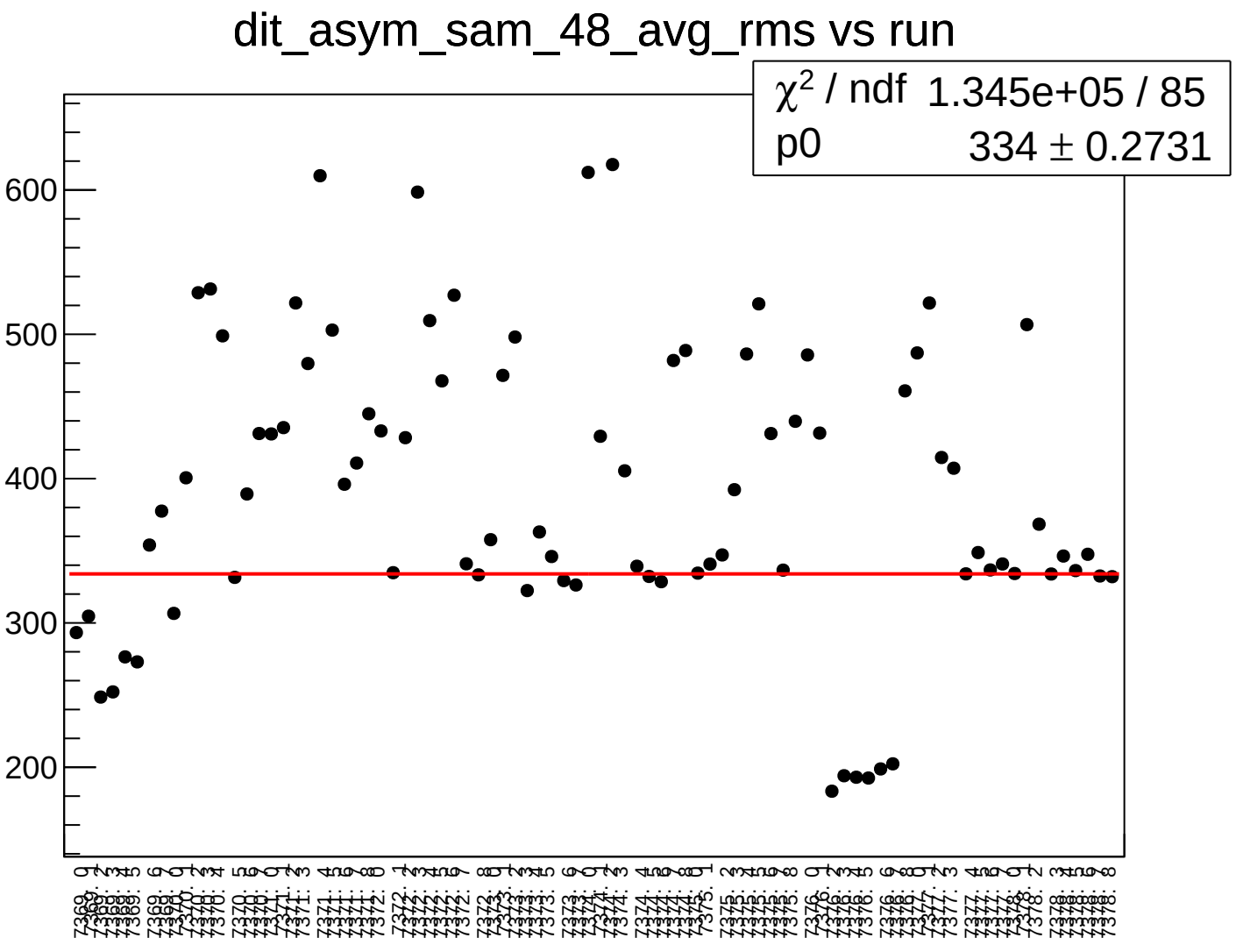

asym_sam_37_avg_mean vs run
χ² / ndf 88.76 / 85
p0 −104.9 ± 499.2
pull
Entries 86
Mean 48.9
Std Dev 66.93

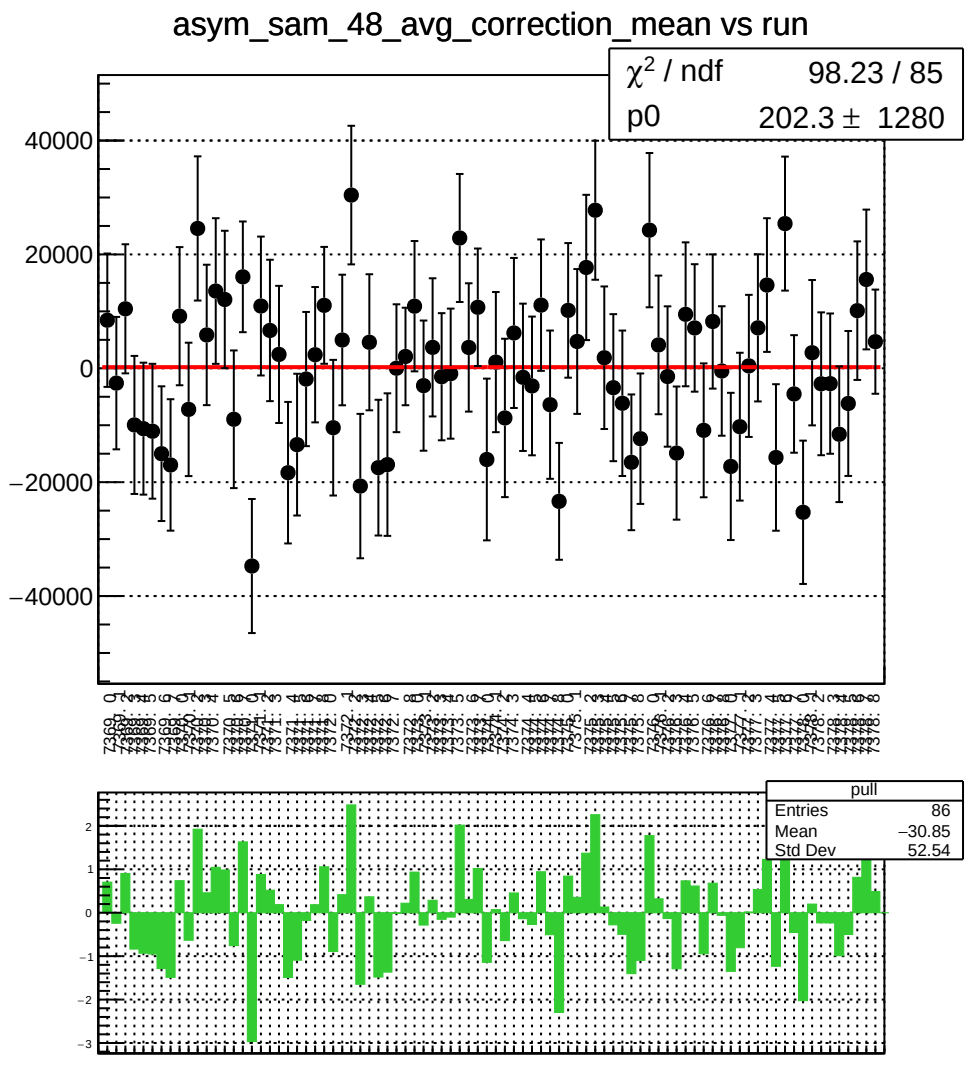

pull1D
Entries 86
Mean 0.009648
Std Dev 1.016

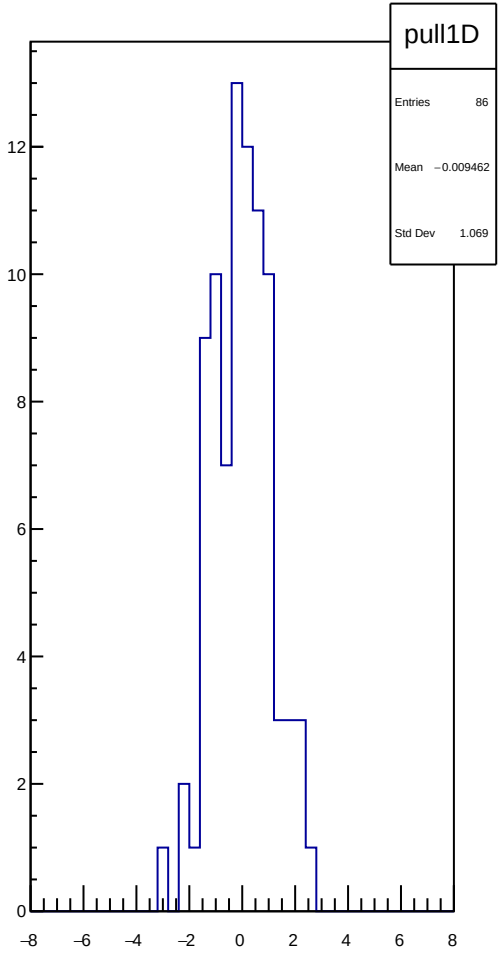

asym_sam_37_avg_rms vs run
χ² / ndf 8847 / 85
p0 449.4 ± 0.353
520
500
480
460
440
420
400
380
360

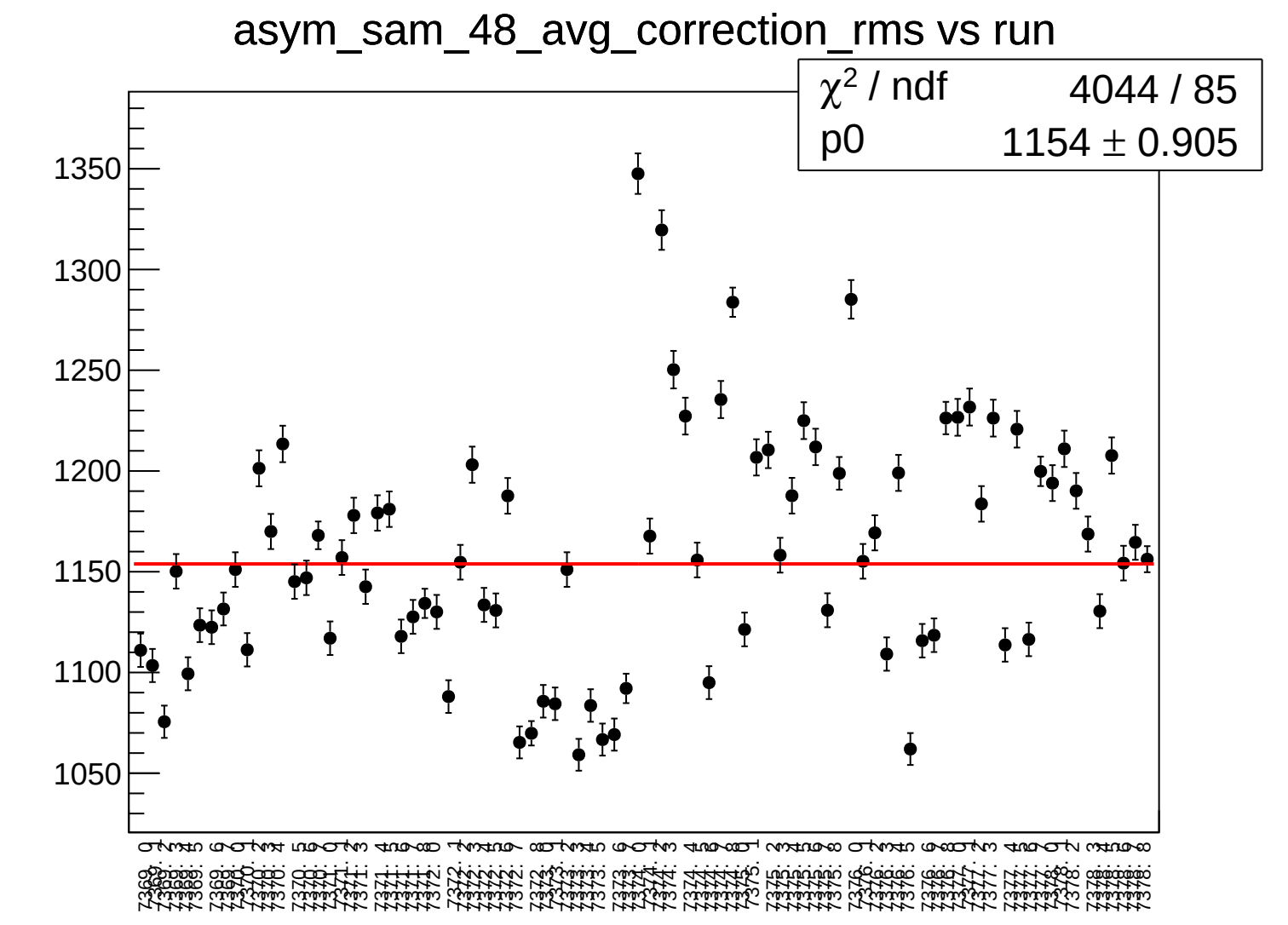

dit_asym_sam_48_avg_mean vs run
χ² / ndf 88.49 / 85
p0 420.2 ± 386.3
pull
Entries 86
Mean 96.53
Std Dev 78.23

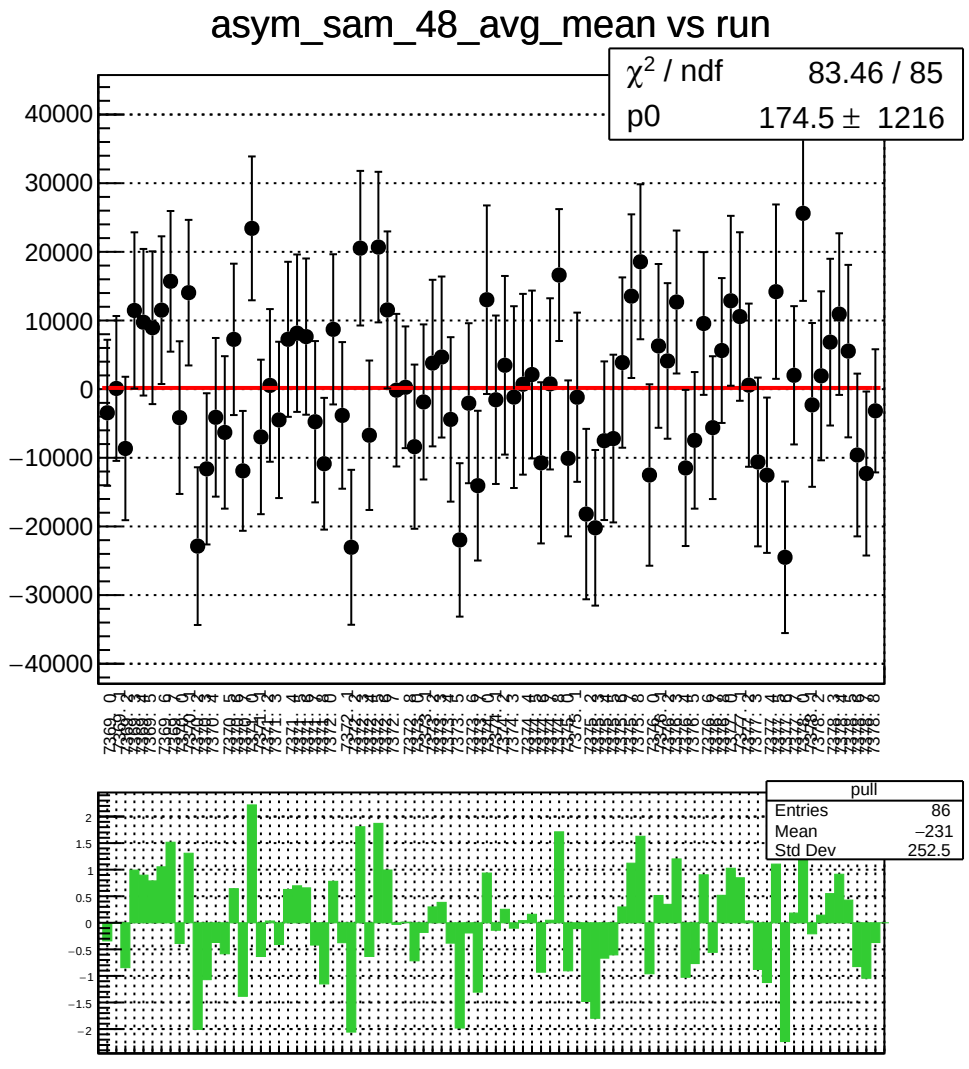

pull1D
Entries 86
Mean −0.01394
Std Dev 1.014

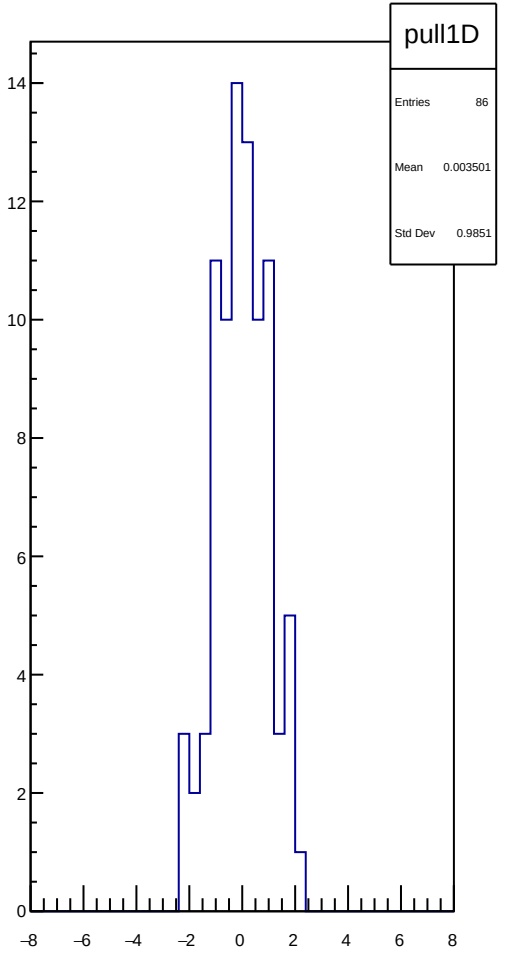

dit_asym_sam_48_avg_rms vs run
χ² / ndf 1.345e+05 / 85
p0 334 ± 0.2731
600
500
400
300
200

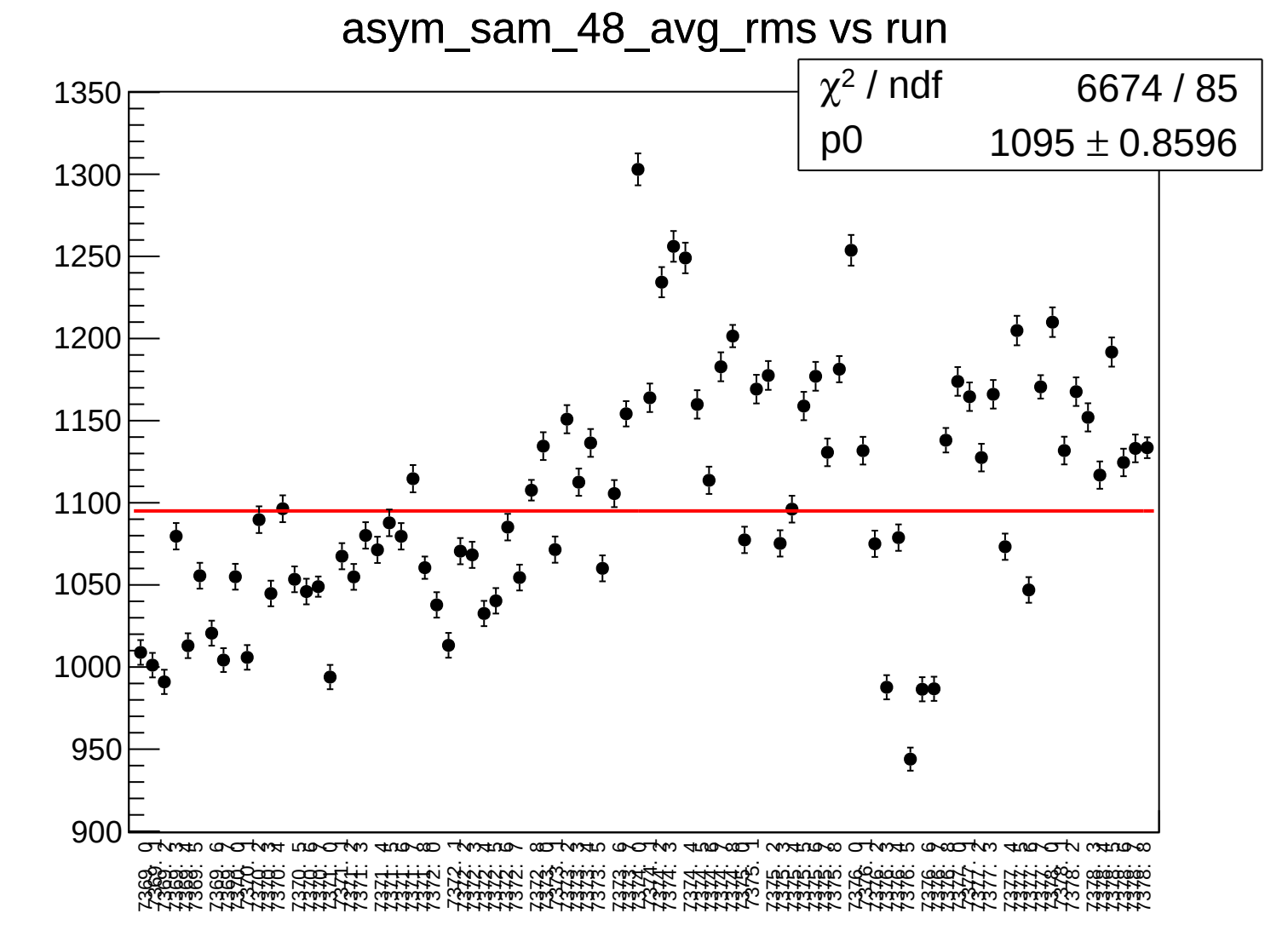

asym_sam_48_avg_correction_mean vs run
χ² / ndf 98.23 / 85
p0 202.3 ± 1280
40000
20000
0
−20000
−40000
pull
Entries 86
Mean −30.85
Std Dev 52.54
2
1
0
−1
−2
−3

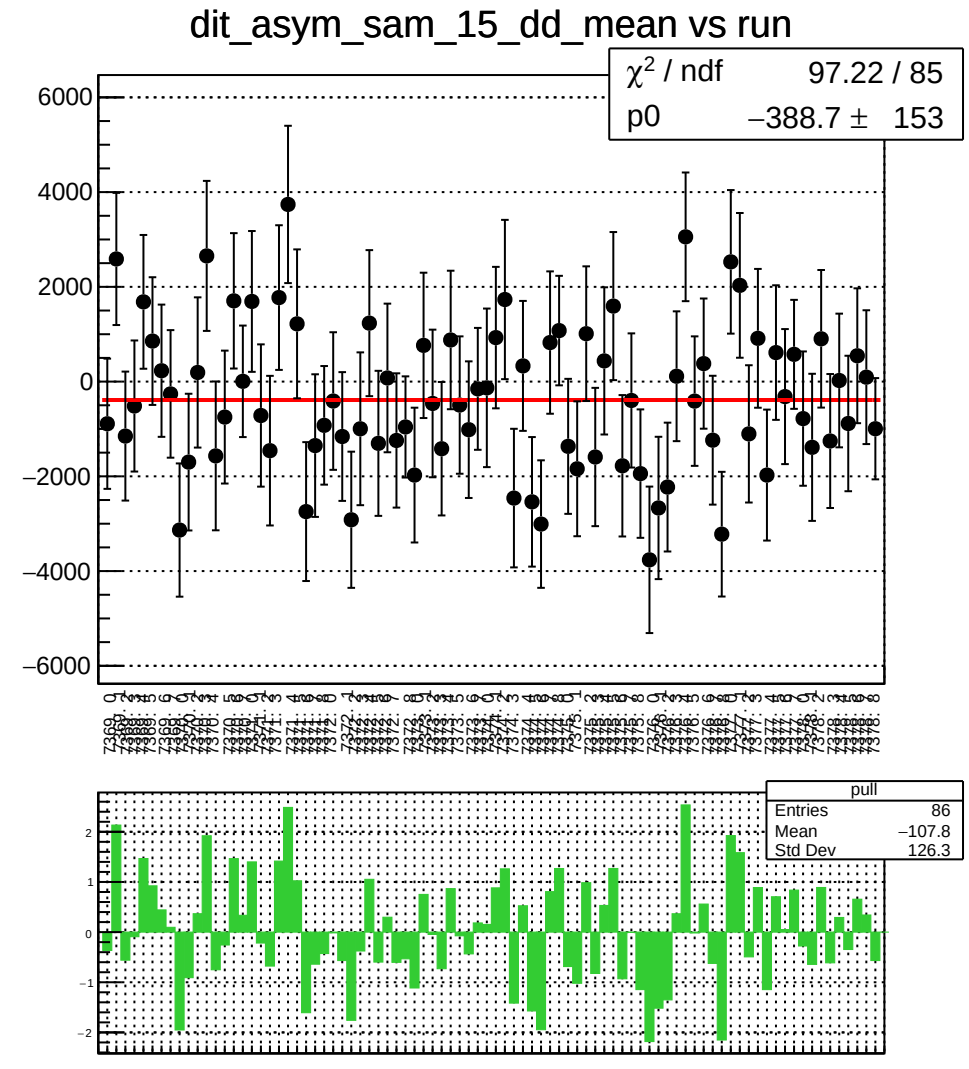

pull1D
Entries 86
Mean −0.009462
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

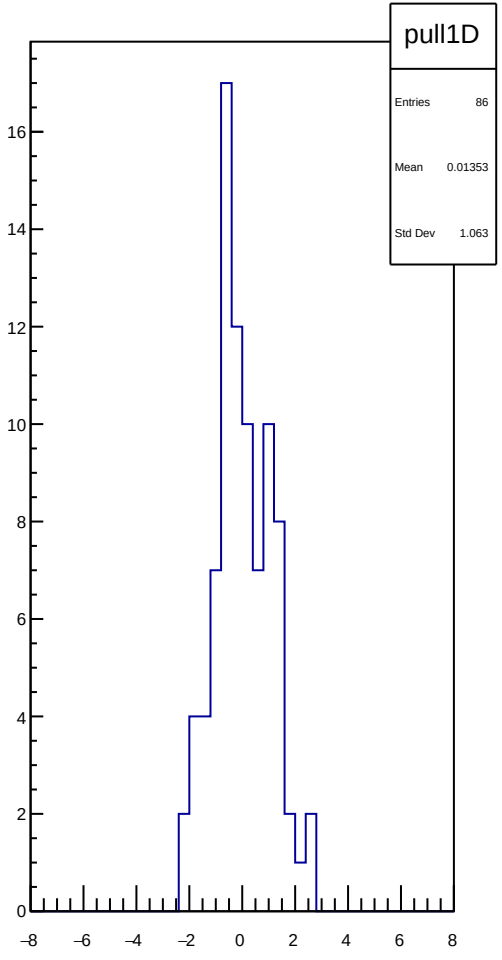

asym_sam_48_avg_correction_rms vs run
χ² / ndf 4044 / 85
p0 1154 ± 0.905
1350
1300
1250
1200
1150
1100
1050

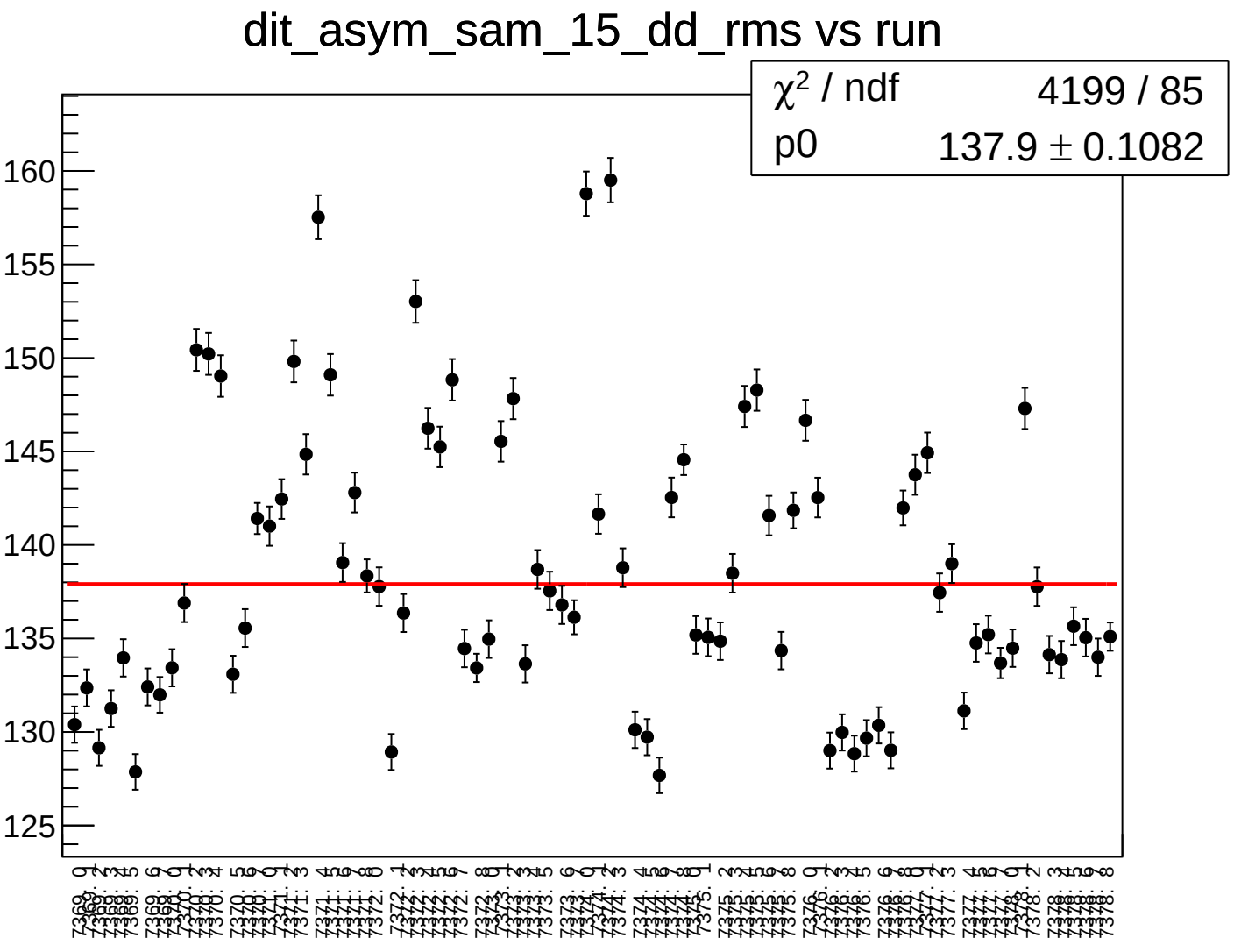

asym_sam_48_avg_mean vs run
χ² / ndf 83.46 / 85
p0 174.5 ± 1216
pull
Entries 86
Mean −231
Std Dev 252.5

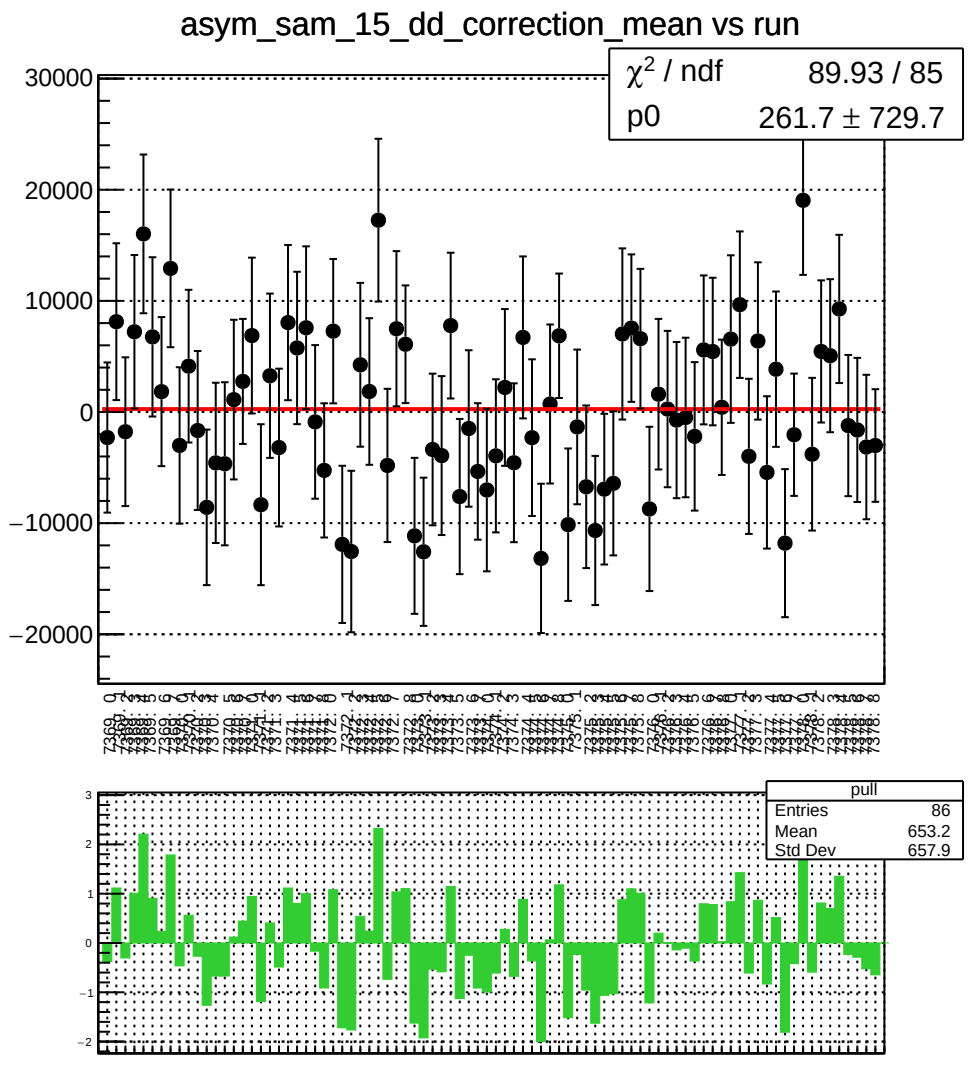

pull1D
Entries 86
Mean 0.003501
Std Dev 0.9851

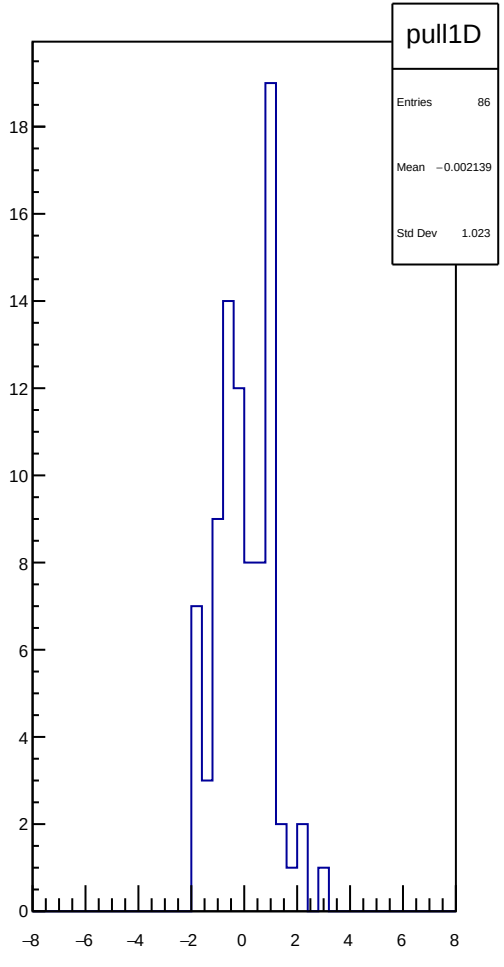

asym_sam_48_avg_rms vs run
$\chi^2$ / ndf 6674 / 85
p0 1095 ± 0.8596
1350
1300
1250
1200
1150
1100
1050
1000
950
900

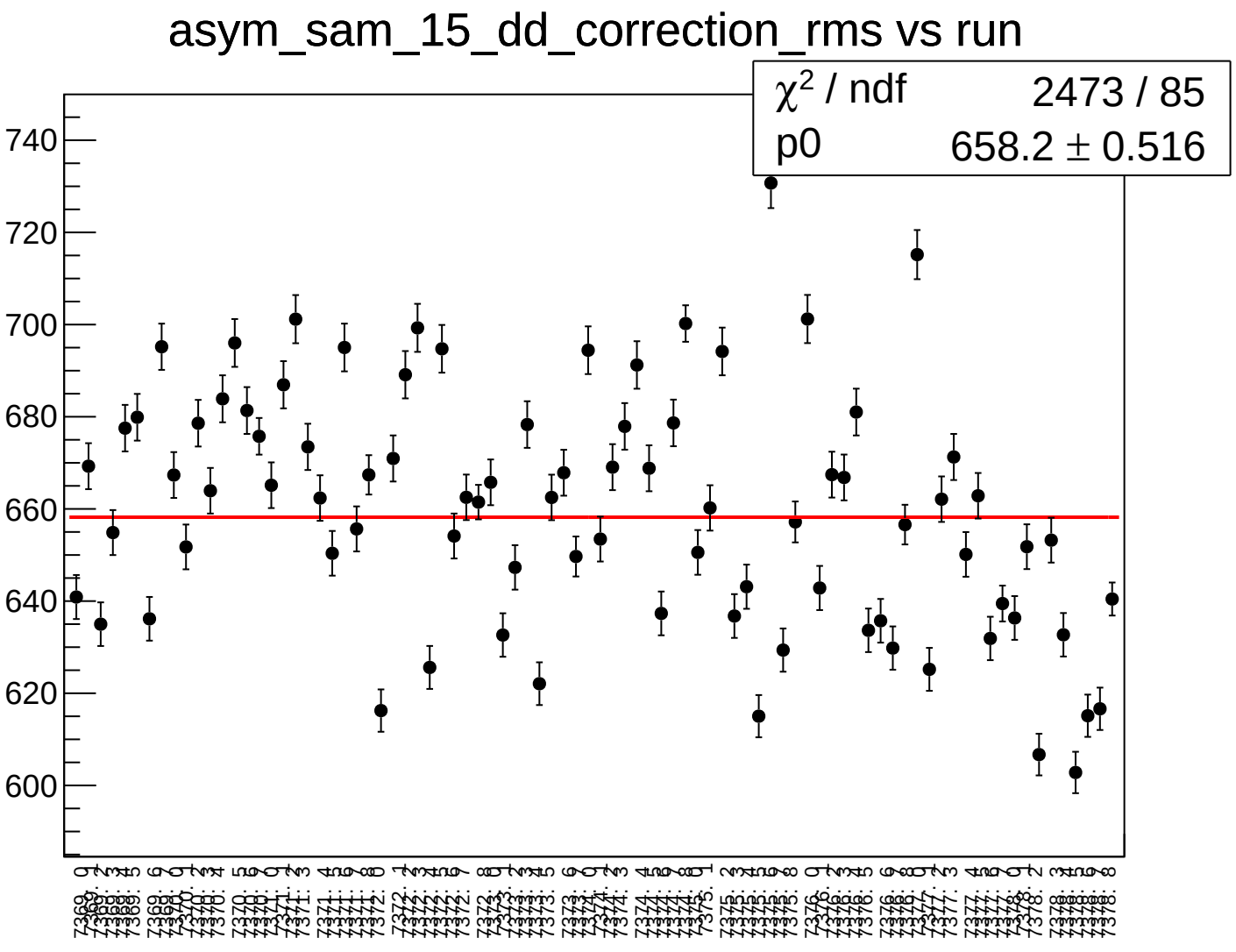

dit_asym_sam_15_dd_mean vs run
χ² / ndf 97.22 / 85
p0 −388.7 ± 153
pull
Entries 86
Mean −107.8
Std Dev 126.3

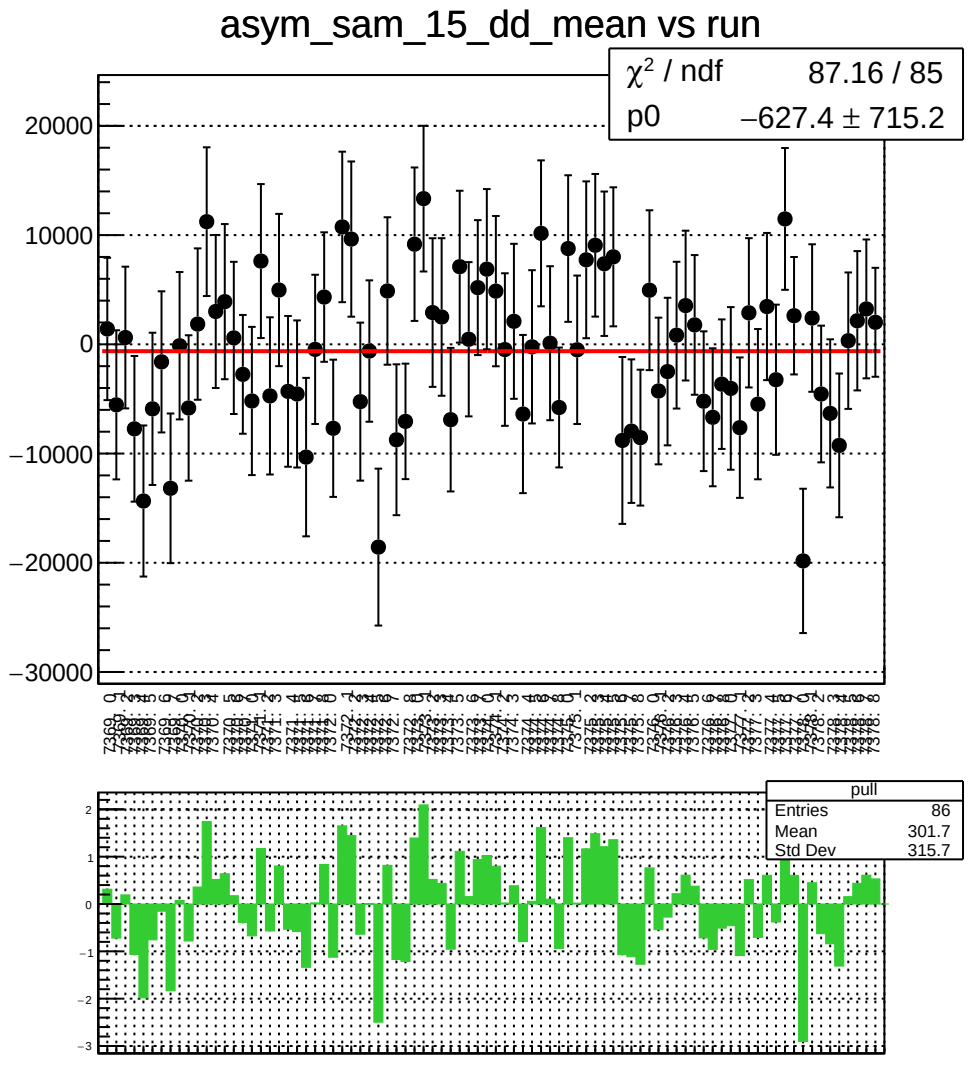

pull1D
Entries 86
Mean 0.01353
Std Dev 1.063

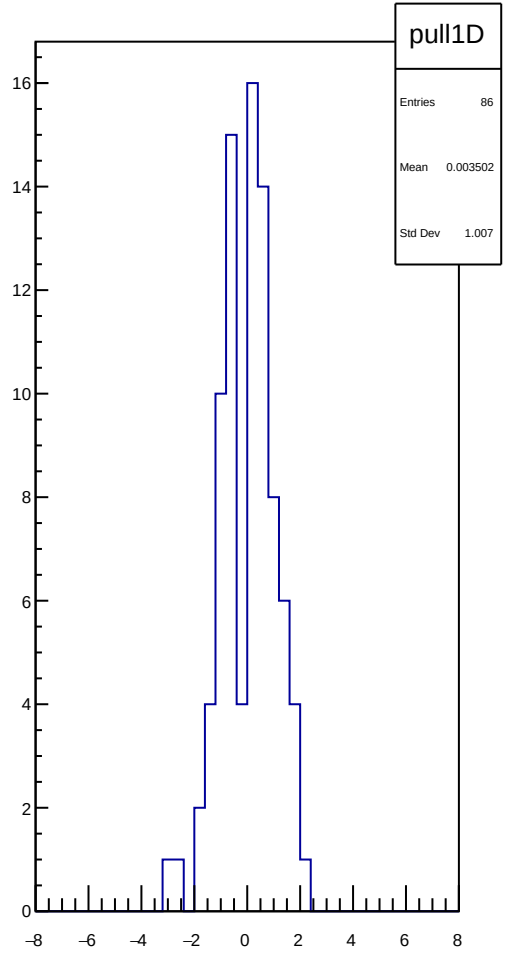

dit_asym_sam_15_dd_rms vs run
χ² / ndf 4199 / 85
p0 137.9 ± 0.1082
160
155
150
145
140
135
130
125

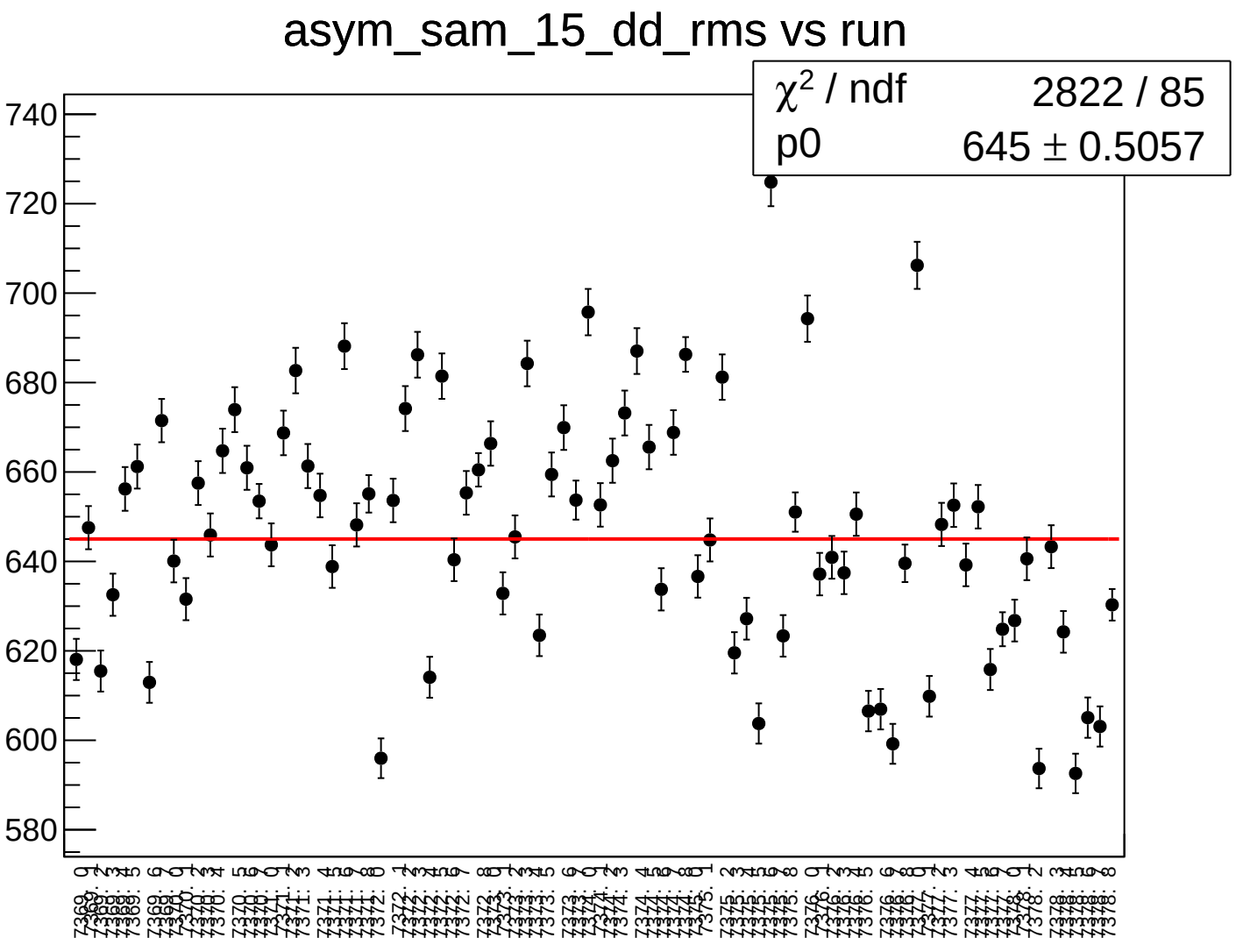

asym_sam_15_dd_correction_mean vs run
χ² / ndf 89.93 / 85
p0 261.7 ± 729.7
pull
Entries 86
Mean 653.2
Std Dev 657.9

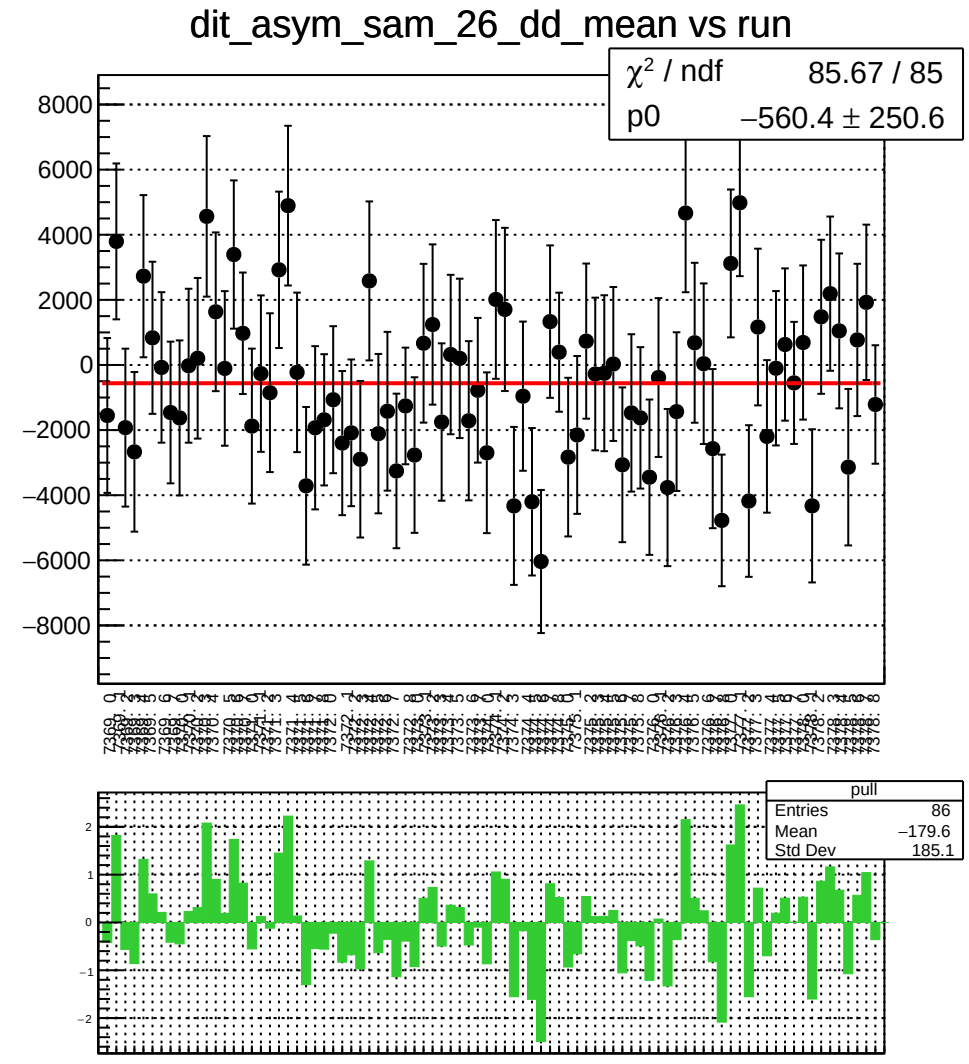

pull1D
Entries 86
Mean −0.002139
Std Dev 1.023

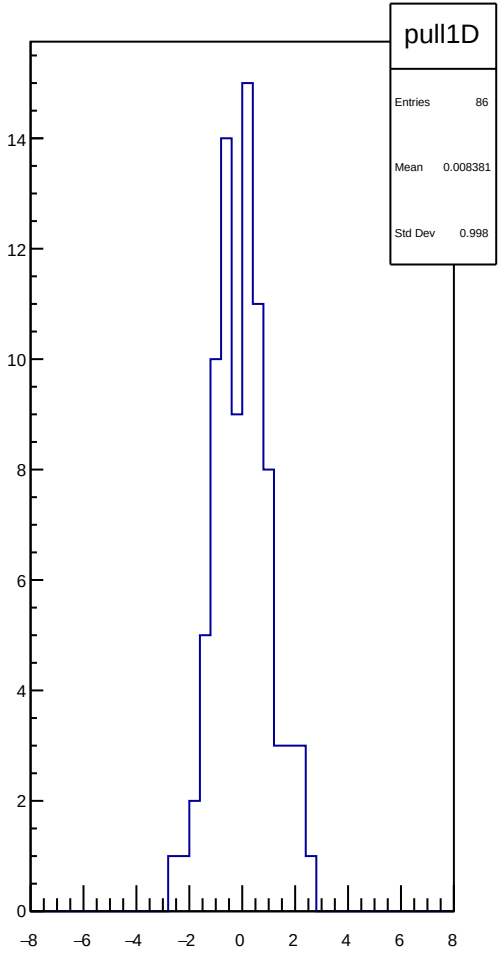

asym_sam_15_dd_correction_rms vs run
χ² / ndf 2473 / 85
p0 658.2 ± 0.516
740
720
700
680
660
640
620
600

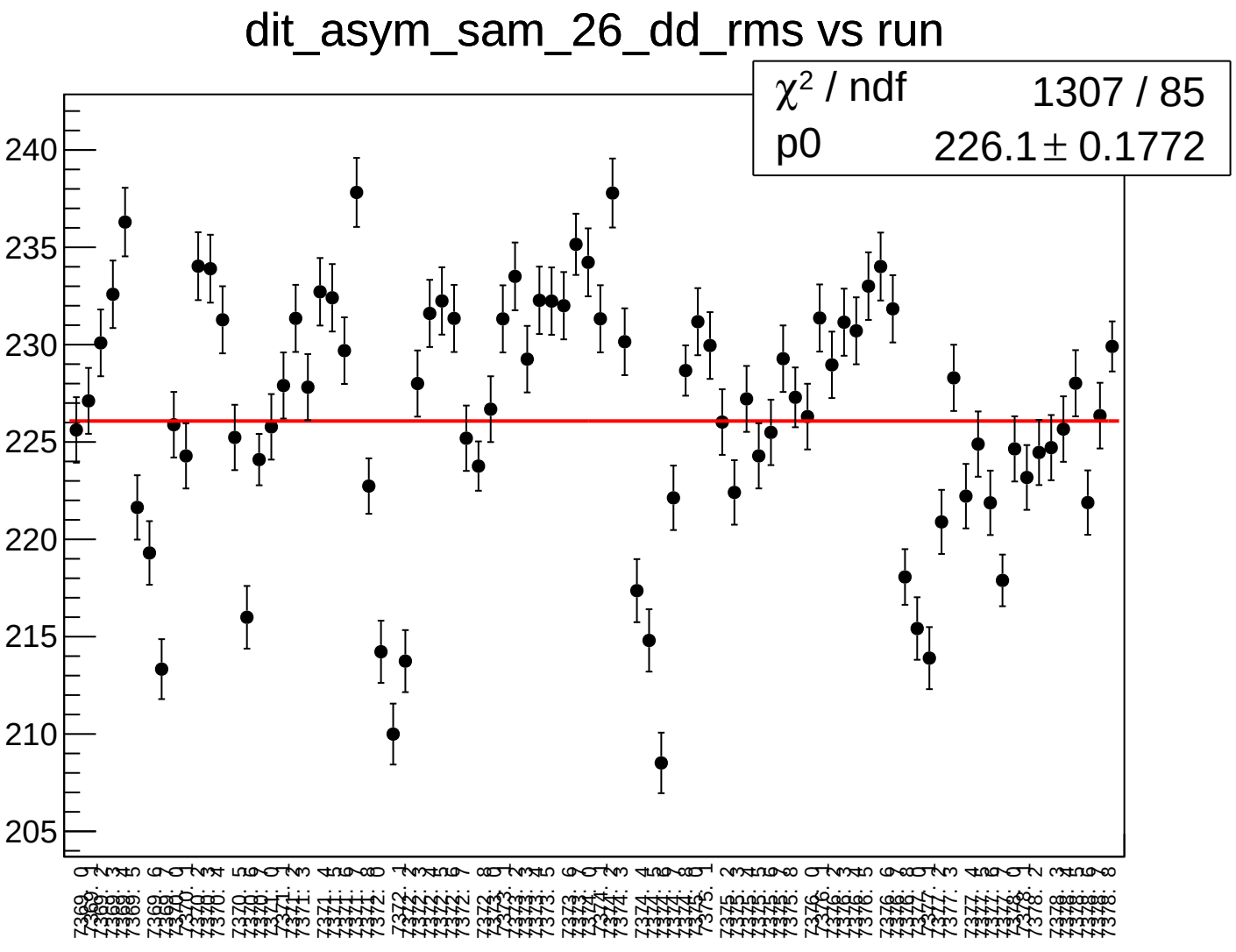

asym_sam_15_dd_mean vs run
χ² / ndf 87.16 / 85
p0 −627.4 ± 715.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 301.7
Std Dev 315.7
2
1
0
−1
−2
−3

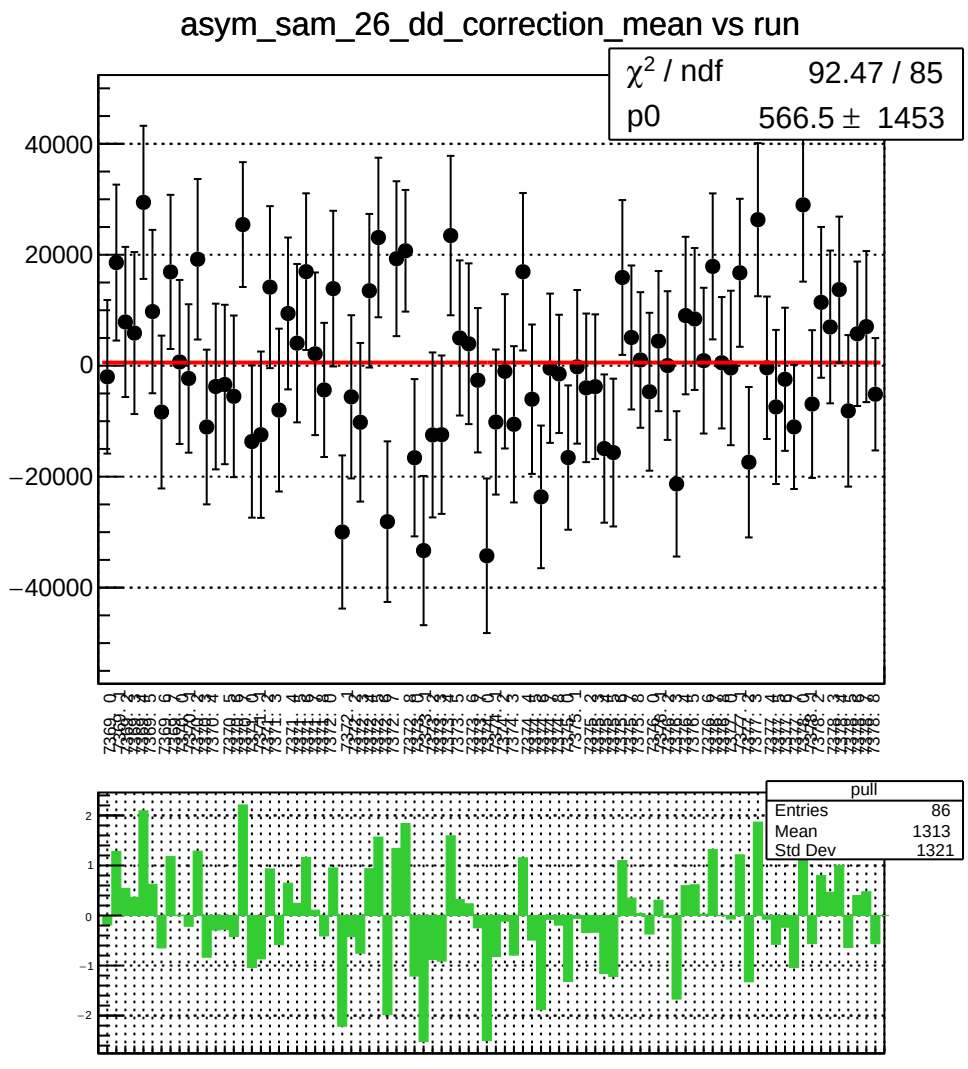

pull1D
Entries 86
Mean 0.003502
Std Dev 1.007
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

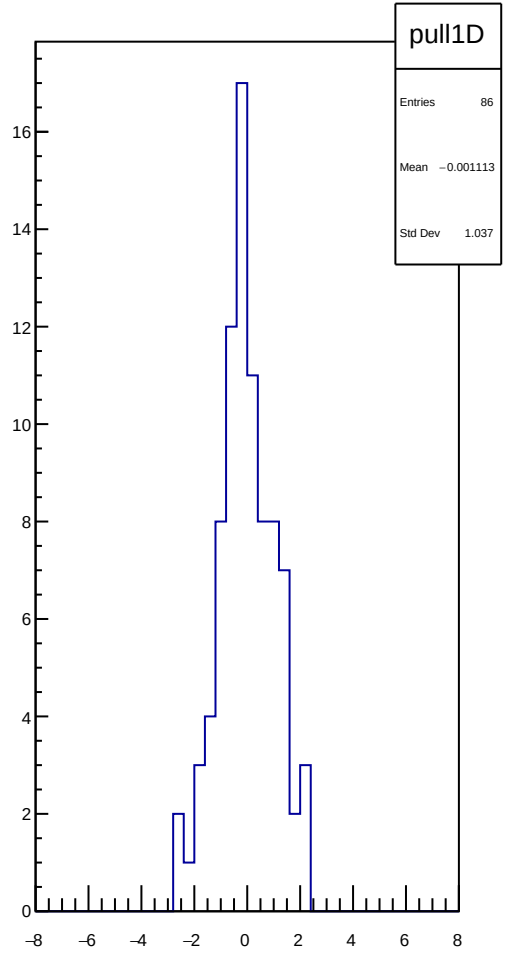

asym_sam_15_dd_rms vs run
χ² / ndf 2822 / 85
p0 645 ± 0.5057
740
720
700
680
660
640
620
600
580

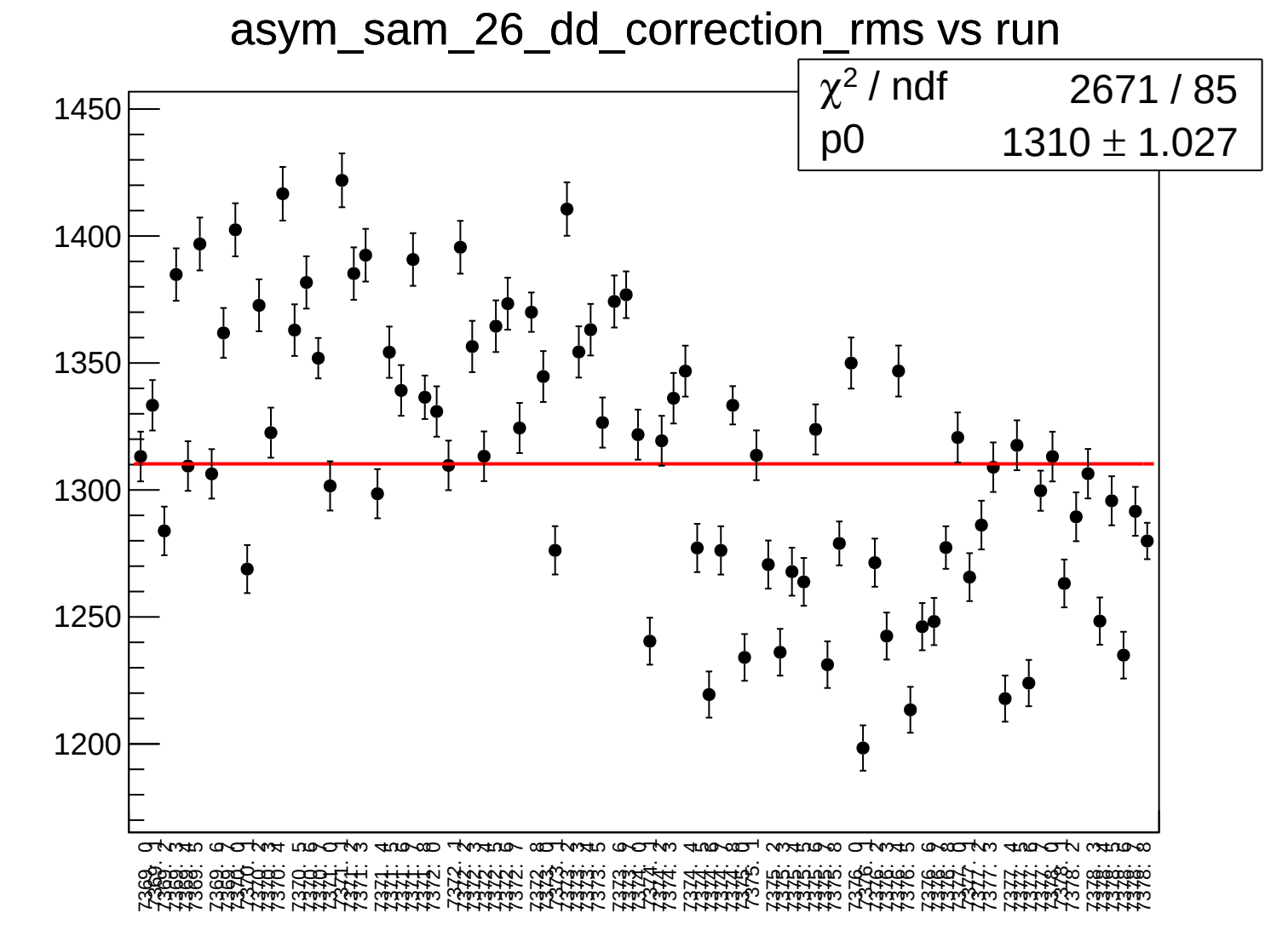

dit_asym_sam_26_dd_mean vs run
χ² / ndf 85.67 / 85
p0 −560.4 ± 250.6
pull
Entries 86
Mean −179.6
Std Dev 185.1

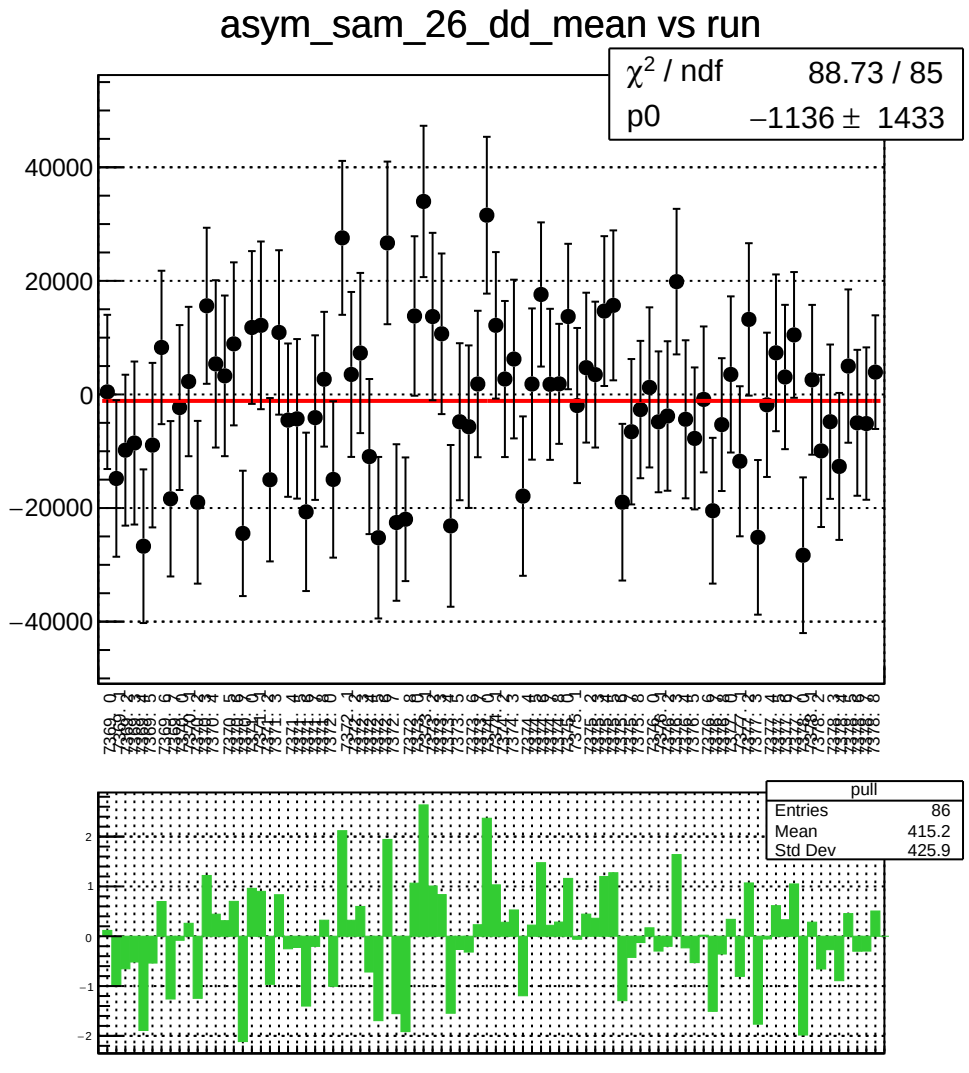

pull1D
Entries 86
Mean 0.008381
Std Dev 0.998

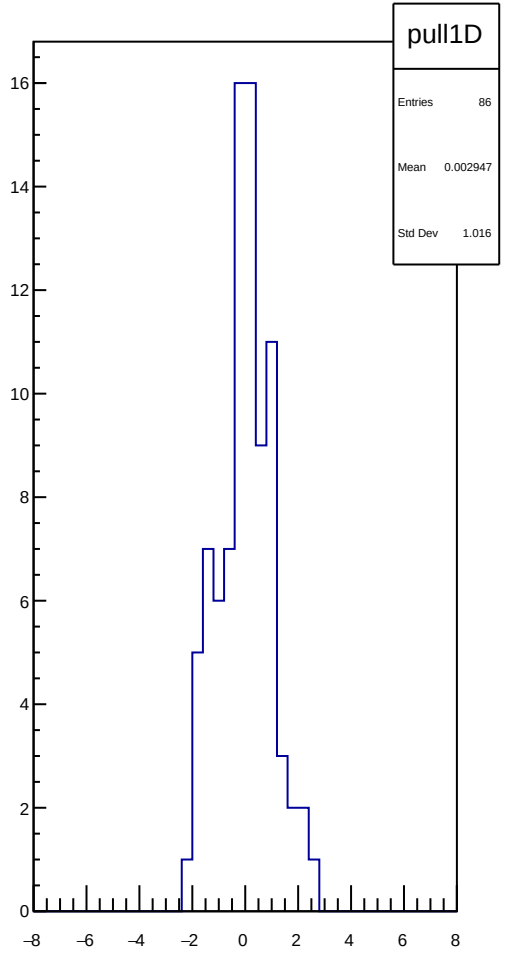

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1307 / 85
p0 226.1 ± 0.1772
240
235
230
225
220
215
210
205

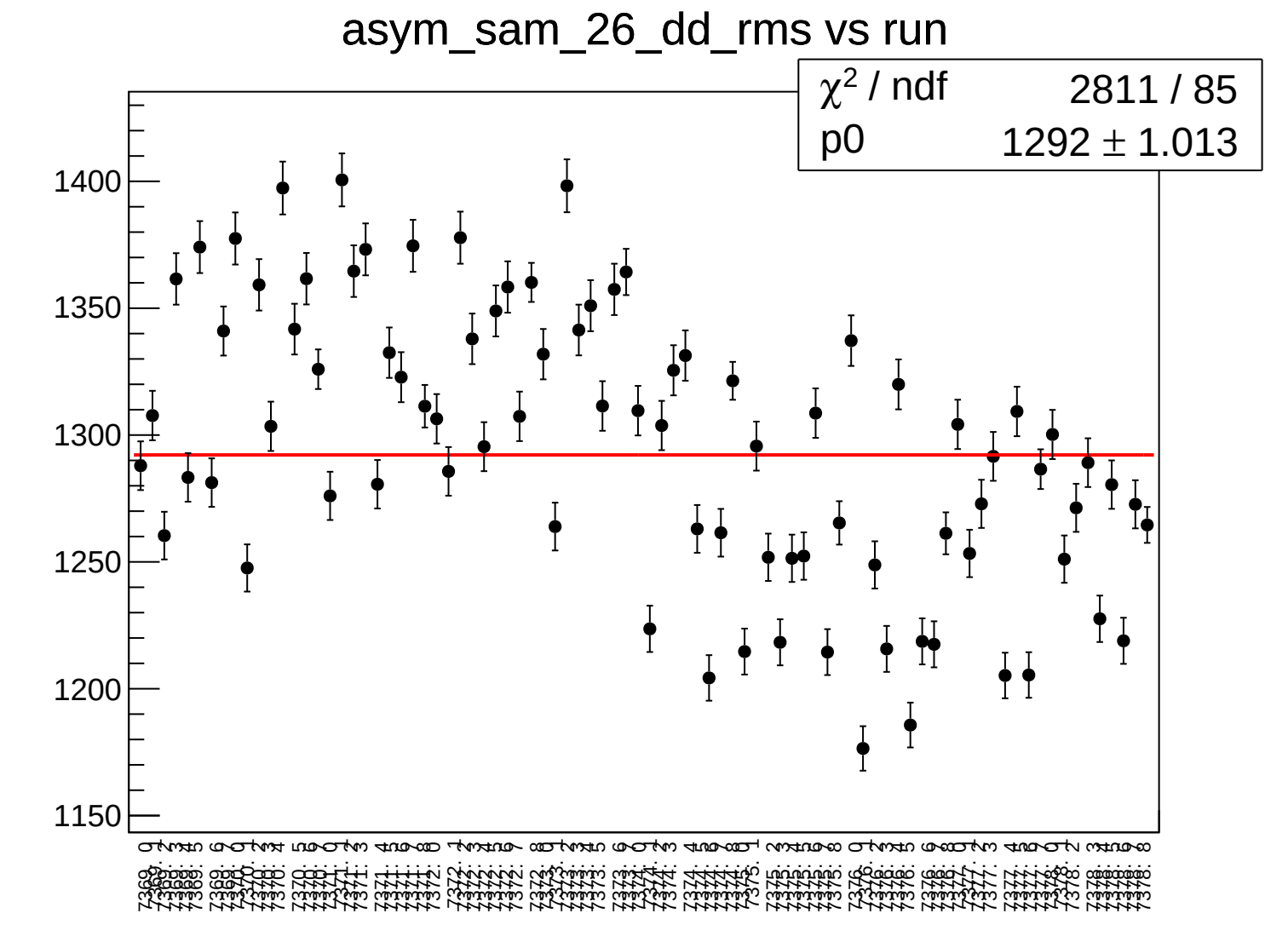

asym_sam_26_dd_correction_mean vs run
χ² / ndf 92.47 / 85
p0 566.5 ± 1453
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 1313
Std Dev 1321
2
1
0
−1
−2

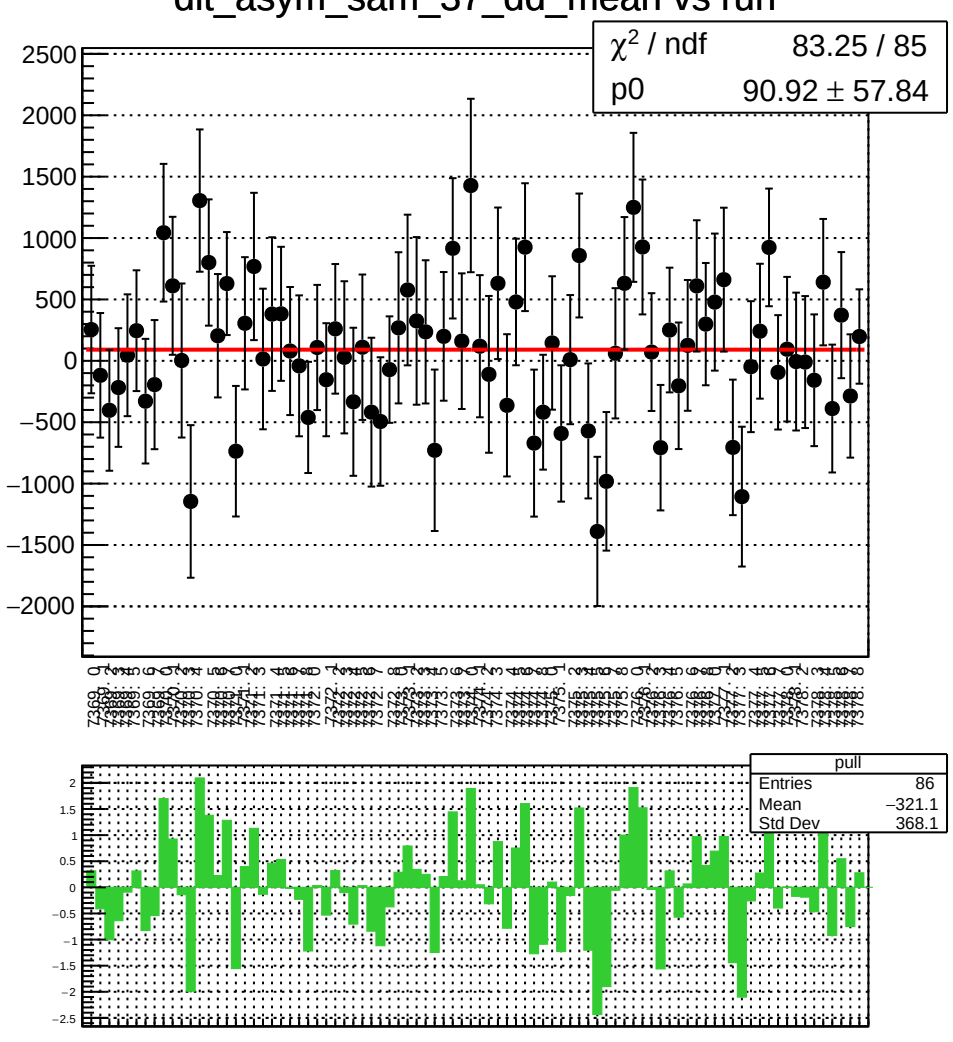

pull1D
Entries 86
Mean −0.001113
Std Dev 1.037
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

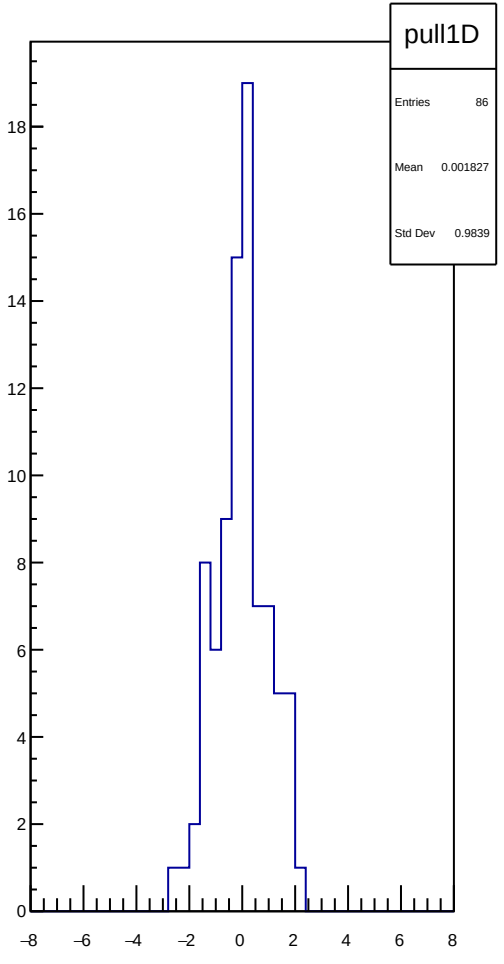

asym_sam_26_dd_correction_rms vs run
χ² / ndf 2671 / 85
p0 1310 ± 1.027
1450
1400
1350
1300
1250
1200

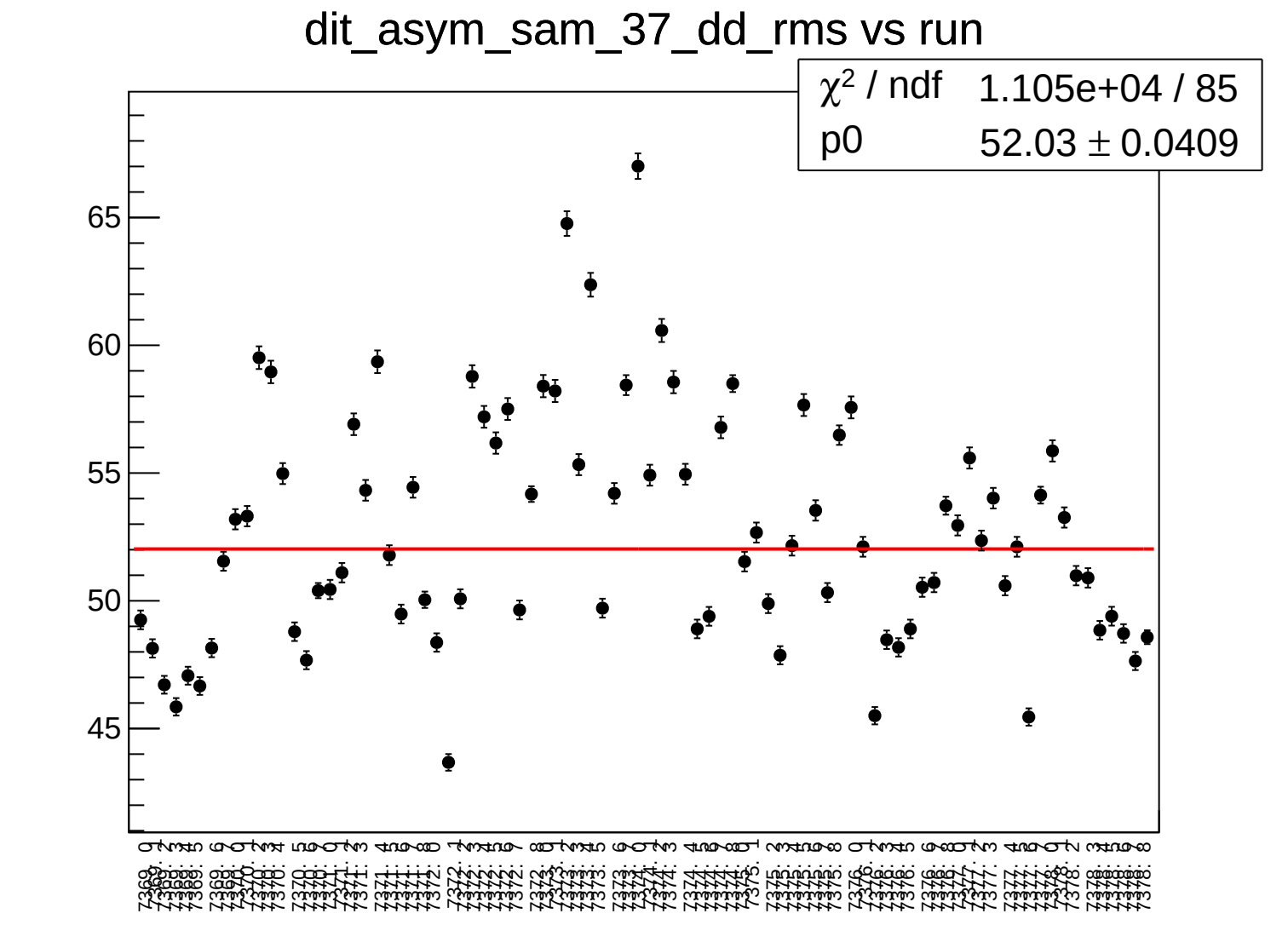

asym_sam_26_dd_mean vs run
χ² / ndf 88.73 / 85
p0 −1136 ± 1433
40000
20000
0
−20000
−40000
pull
Entries 86
Mean 415.2
Std Dev 425.9
2
1
0
−1
−2

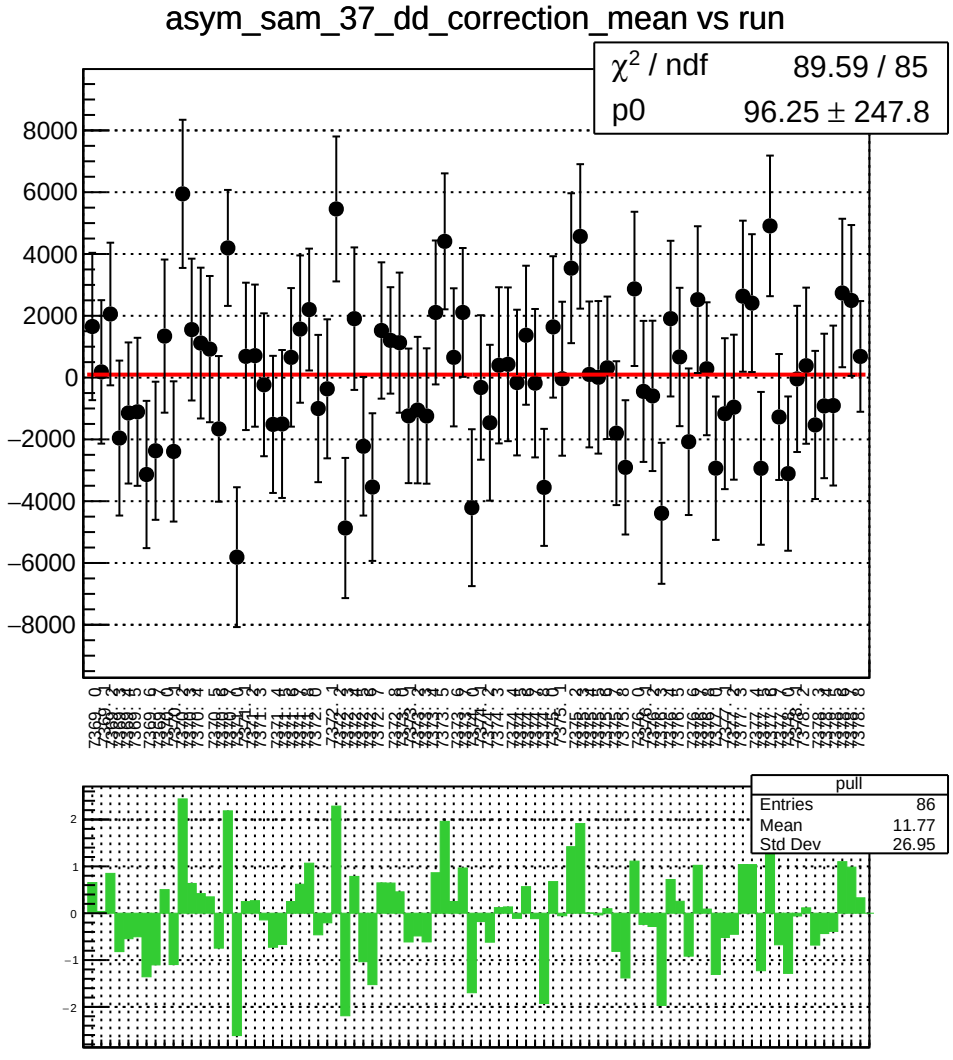

pull1D
Entries 86
Mean 0.002947
Std Dev 1.016
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

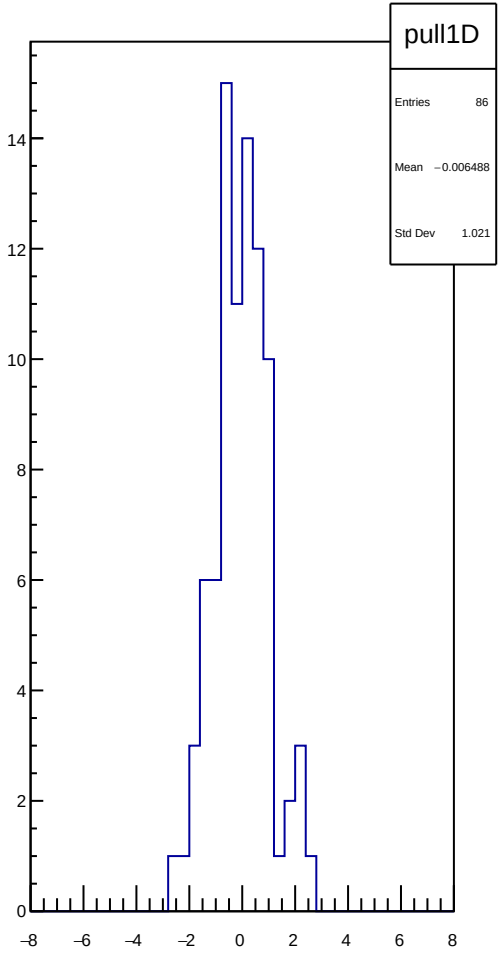

asym_sam_26_dd_rms vs run
$\chi^2$ / ndf 2811 / 85
p0 1292 ± 1.013
1400
1350
1300
1250
1200
1150

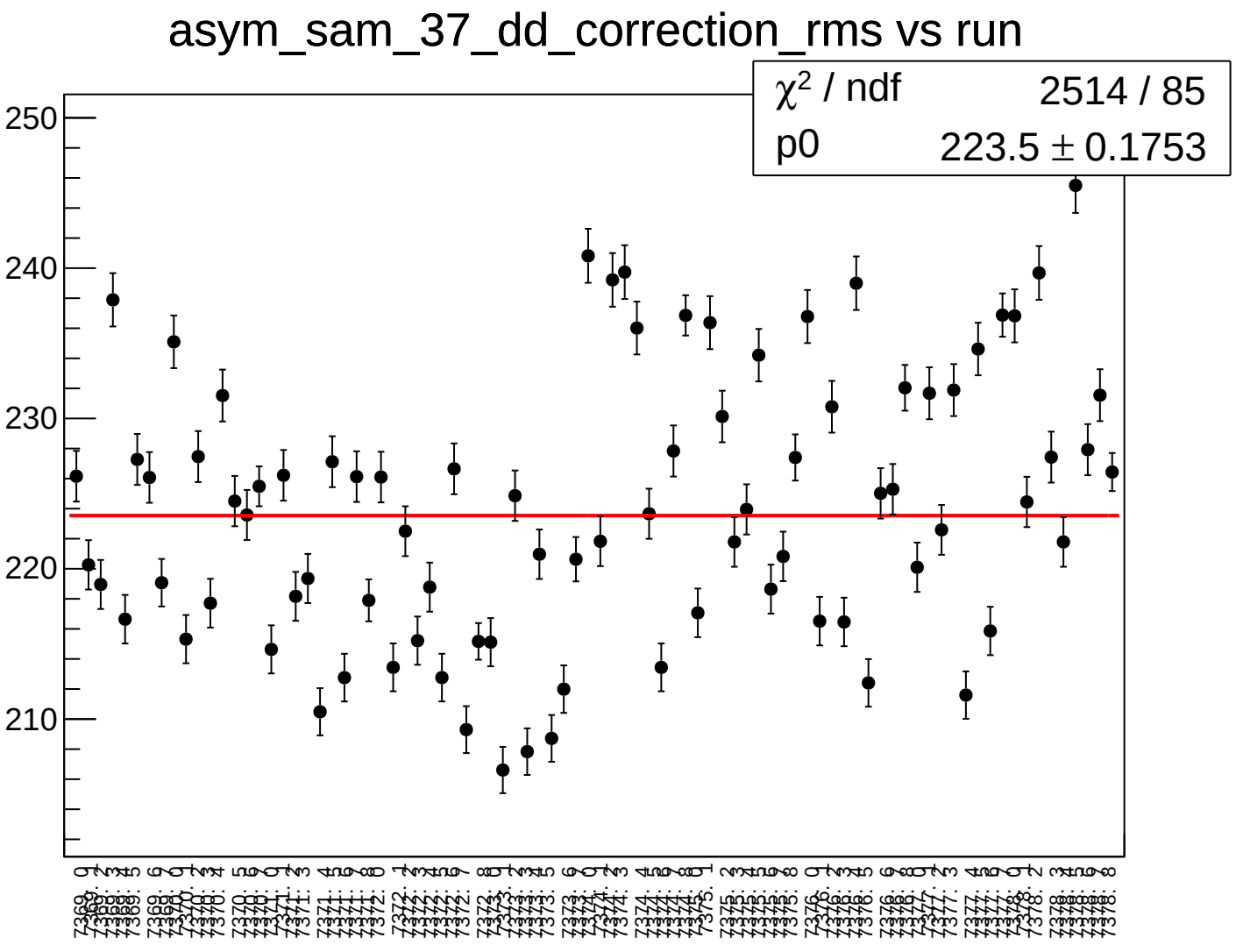

dit_asym_sam_37_dd_mean vs run
$\chi^2$ / ndf 83.25 / 85
p0 90.92 ± 57.84
pull
Entries 86
Mean −321.1
Std Dev 368.1

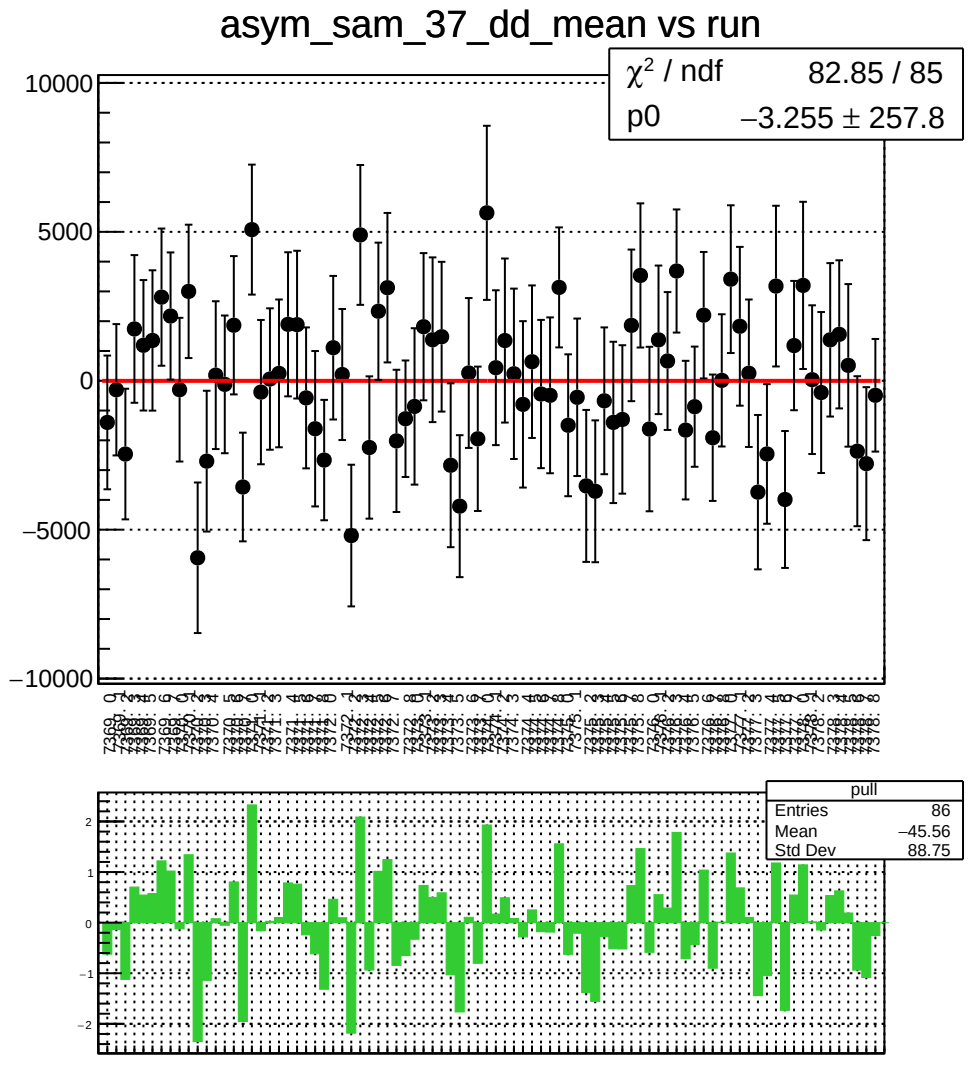

pull1D
Entries 86
Mean 0.001827
Std Dev 0.9839

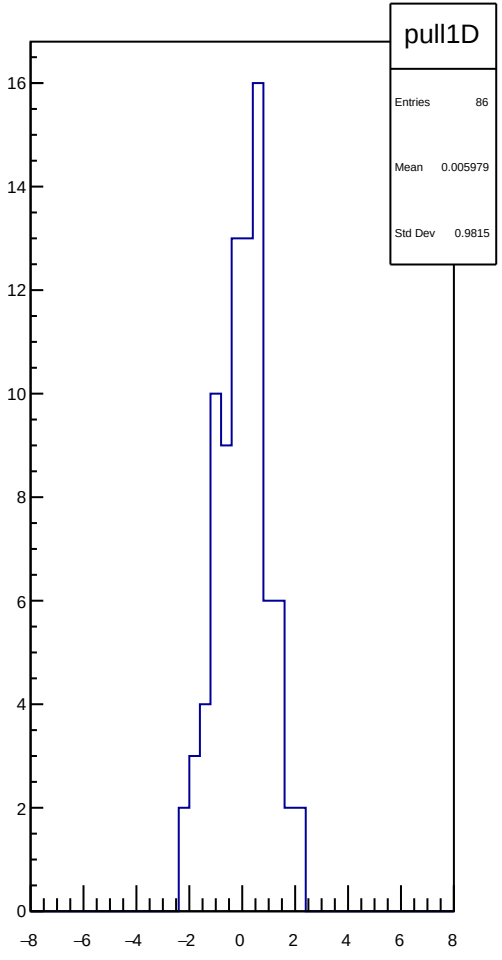

dit_asym_sam_37_dd_rms vs run
$\chi^2$ / ndf 1.105e+04 / 85
p0 52.03 ± 0.0409
65
60
55
50
45

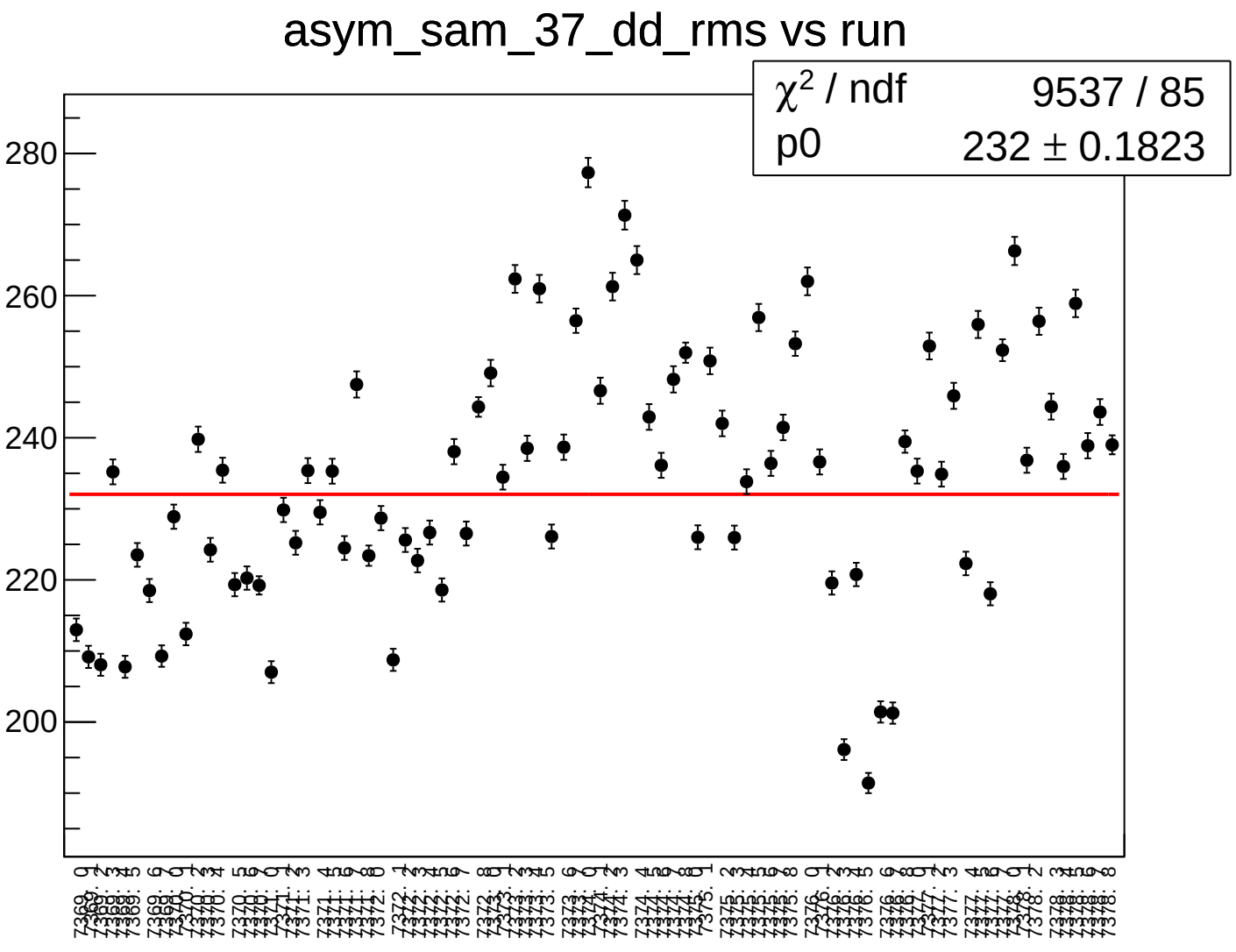

asym_sam_37_dd_correction_mean vs run
χ² / ndf 89.59 / 85
p0 96.25 ± 247.8
pull
Entries 86
Mean 11.77
Std Dev 26.95

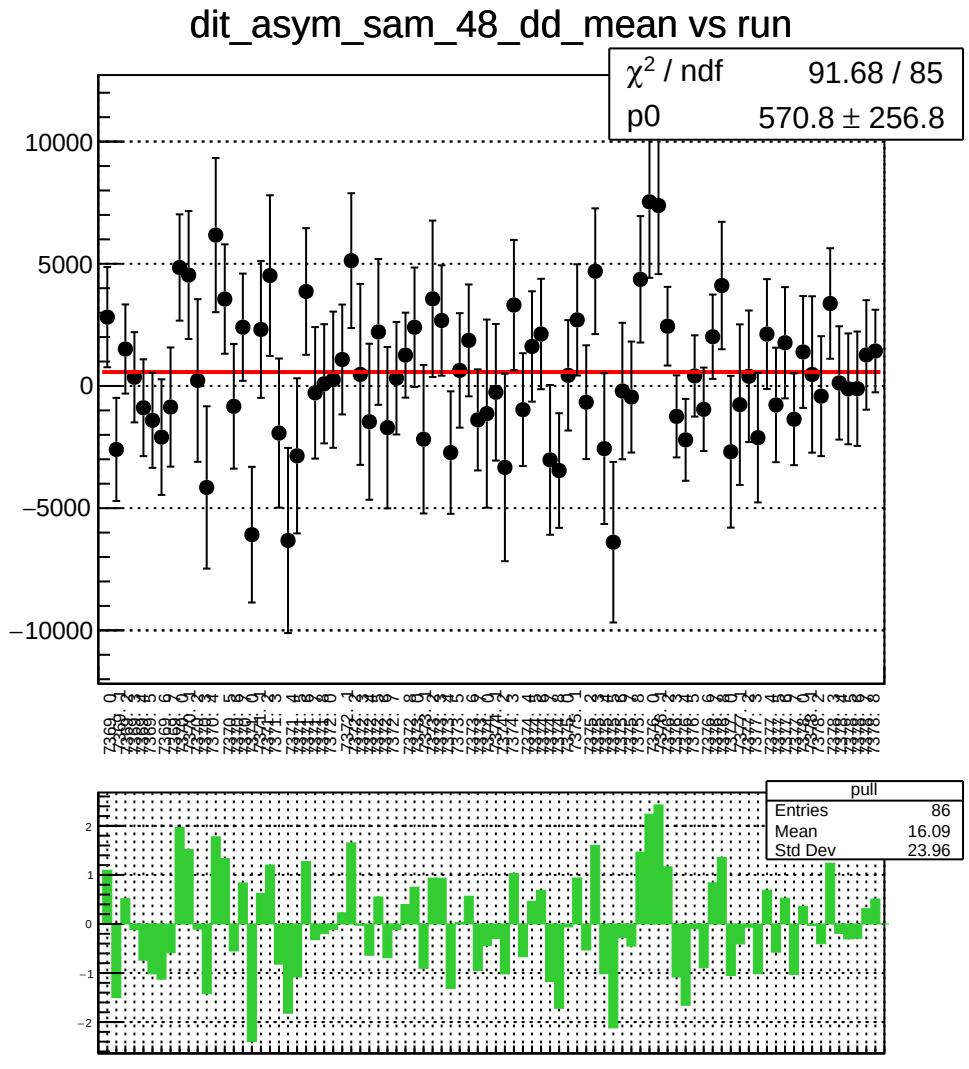

pull1D
Entries 86
Mean −0.006488
Std Dev 1.021

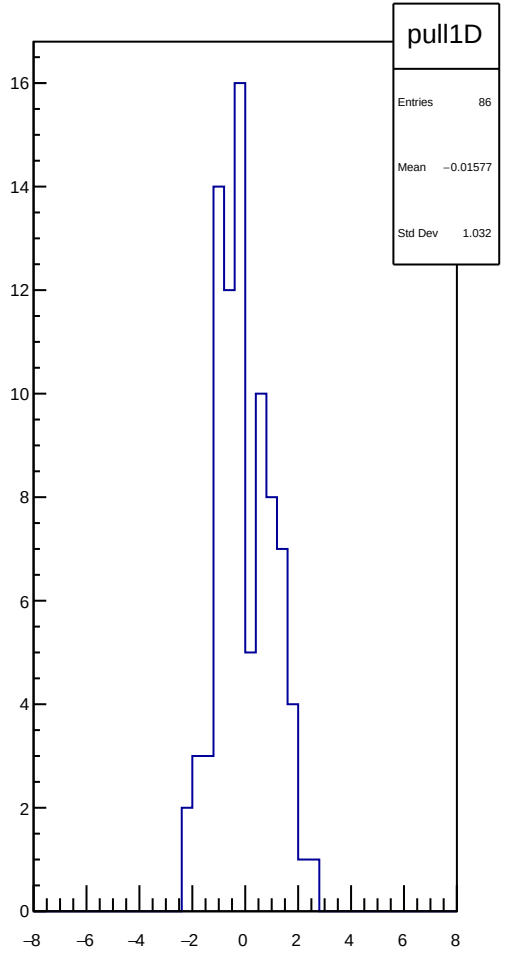

asym_sam_37_dd_correction_rms vs run
χ² / ndf 2514 / 85
p0 223.5 ± 0.1753
250
240
230
220
210

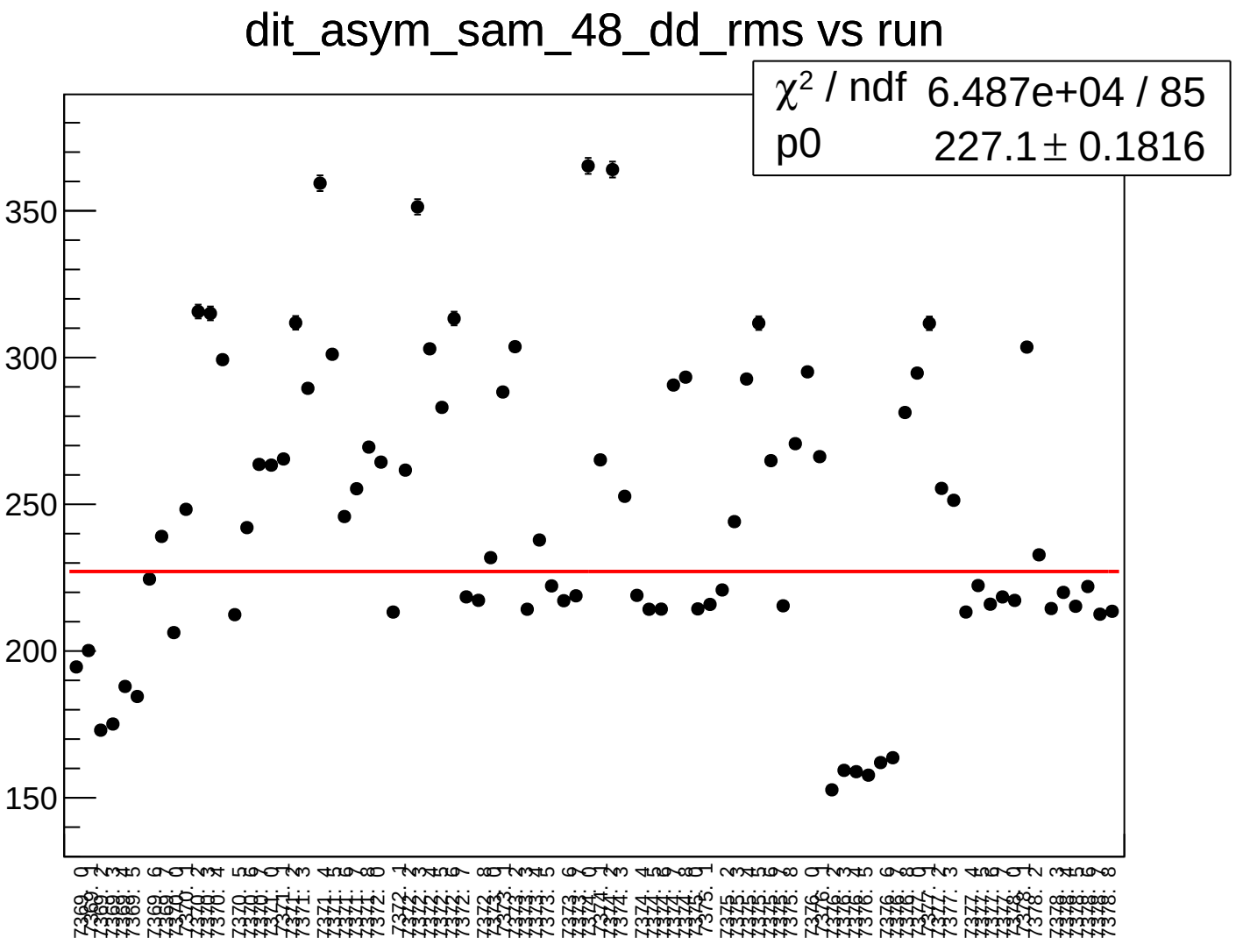

asym_sam_37_dd_mean vs run
χ² / ndf 82.85 / 85
p0 −3.255 ± 257.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −45.56
Std Dev 88.75
2
1
0
−1
−2

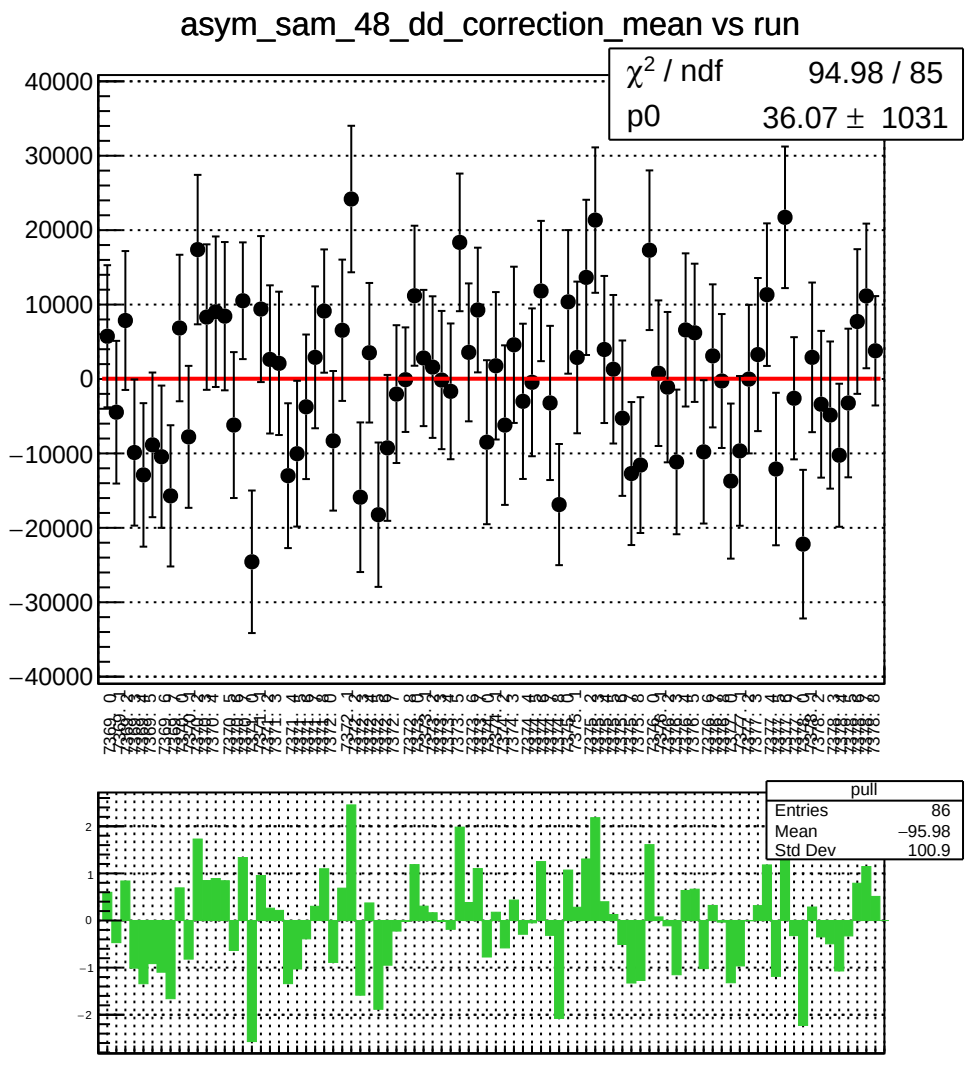

pull1D
Entries 86
Mean 0.005979
Std Dev 0.9815
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

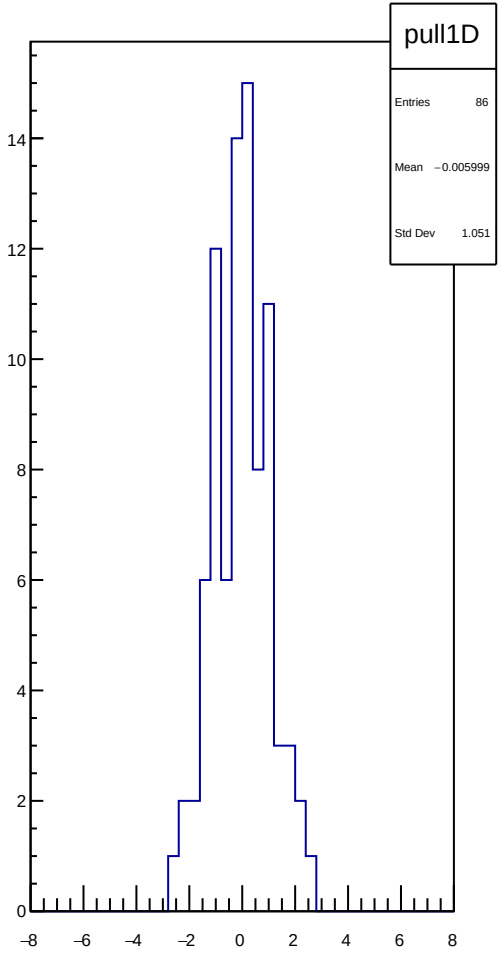

asym_sam_37_dd_rms vs run
$\chi^2$ / ndf 9537 / 85
p0 232 ± 0.1823
280
260
240
220
200

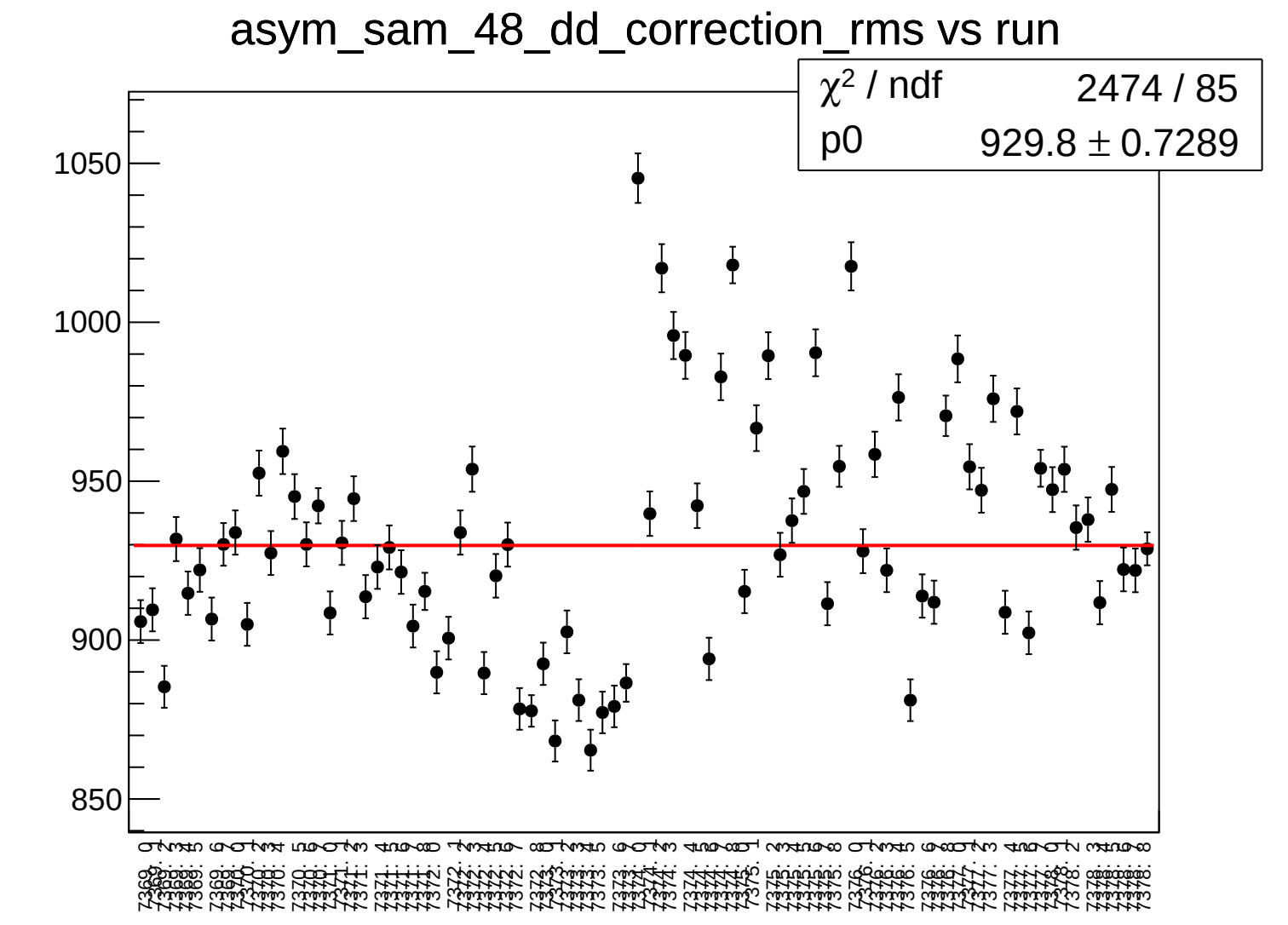

dit_asym_sam_48_dd_mean vs run
$\chi^2$ / ndf 91.68 / 85
p0 570.8 ± 256.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 16.09
Std Dev 23.96
2
1
0
−1
−2

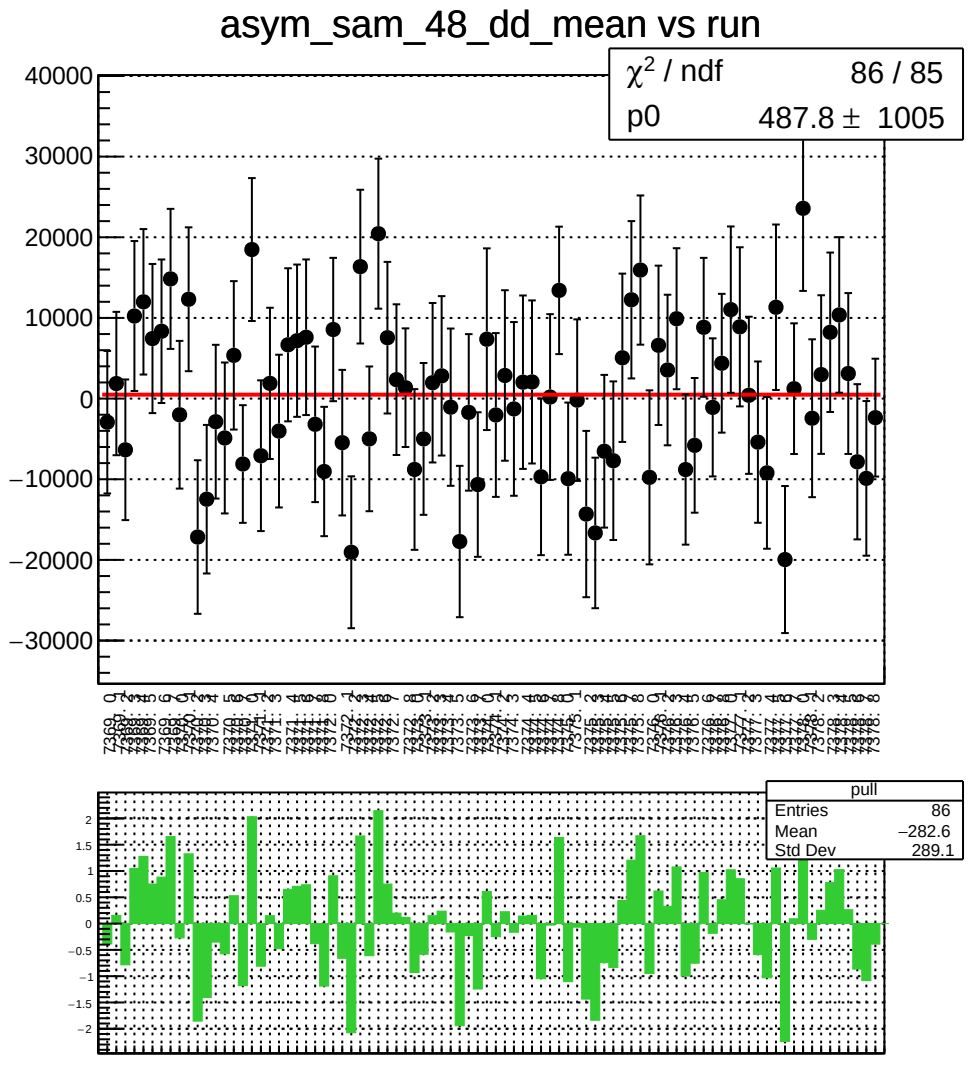

pull1D
Entries 86
Mean −0.01577
Std Dev 1.032
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

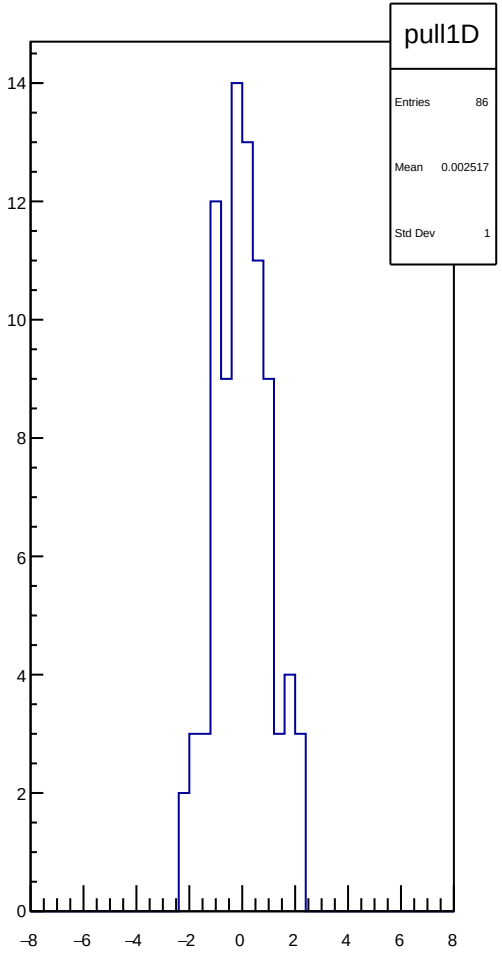

dit_asym_sam_48_dd_rms vs run
χ² / ndf 6.487e+04 / 85
p0 227.1 ± 0.1816
350
300
250
200
150

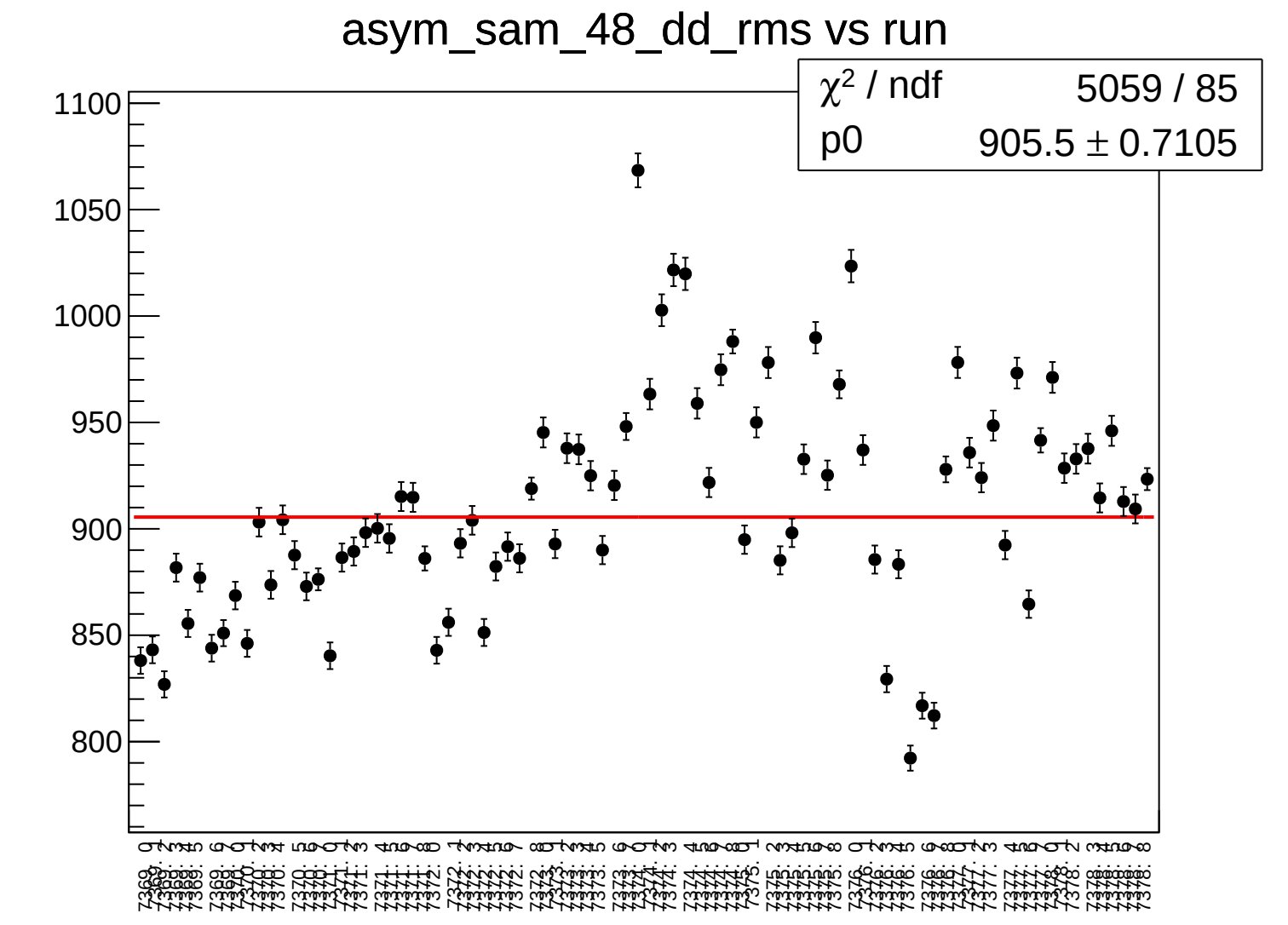

asym_sam_48_dd_correction_mean vs run
χ² / ndf 94.98 / 85
p0 36.07 ± 1031
pull
Entries 86
Mean −95.98
Std Dev 100.9

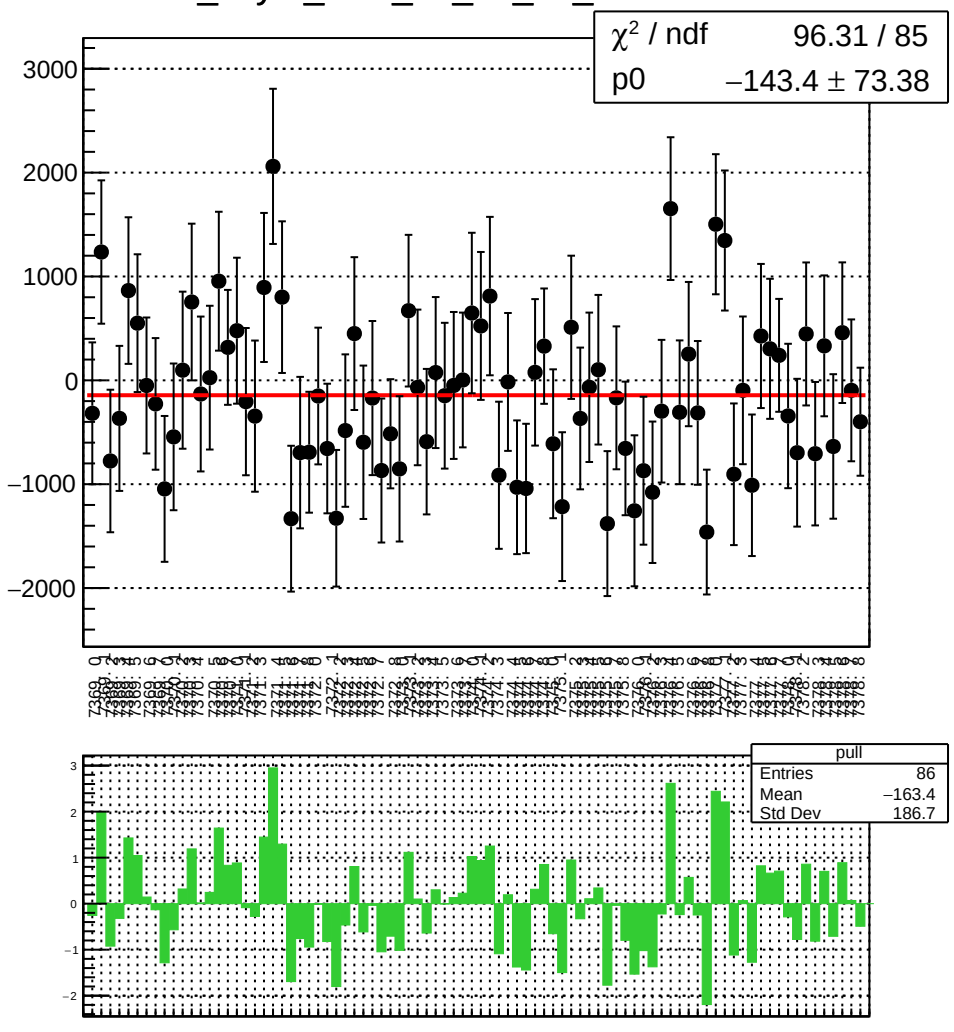

pull1D
Entries 86
Mean −0.005999
Std Dev 1.051

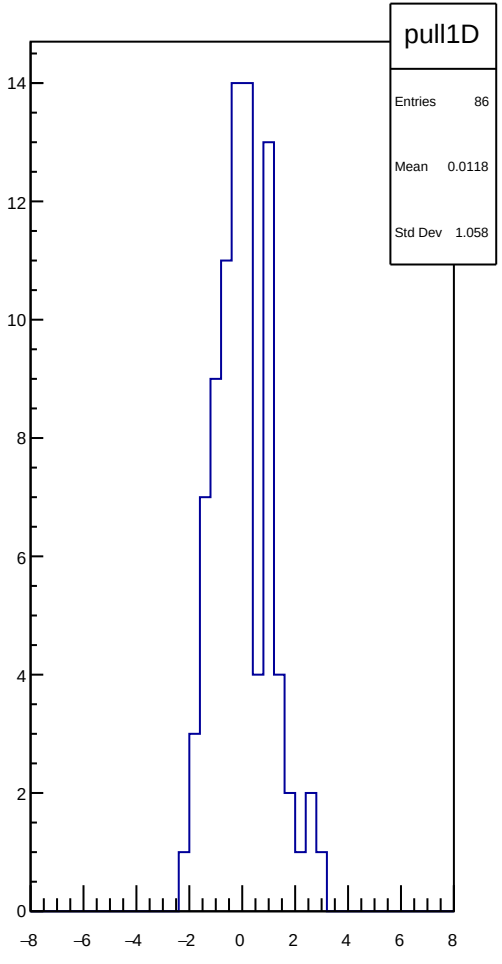

asym_sam_48_dd_correction_rms vs run
χ² / ndf 2474 / 85
p0 929.8 ± 0.7289
1050
1000
950
900
850

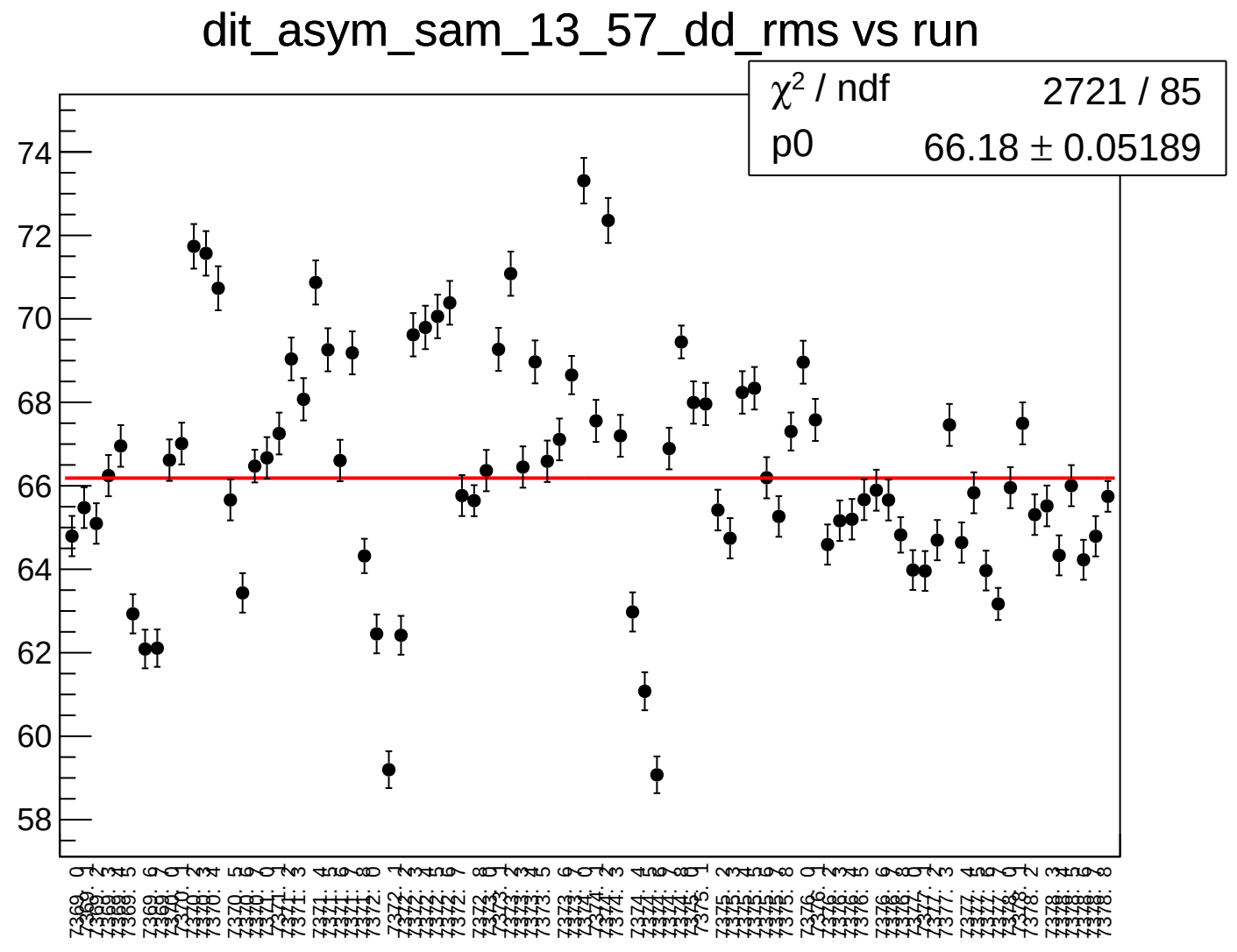

asym_sam_48_dd_mean vs run
$\chi^2$ / ndf 86 / 85
p0 487.8 ± 1005
pull
Entries 86
Mean −282.6
Std Dev 289.1

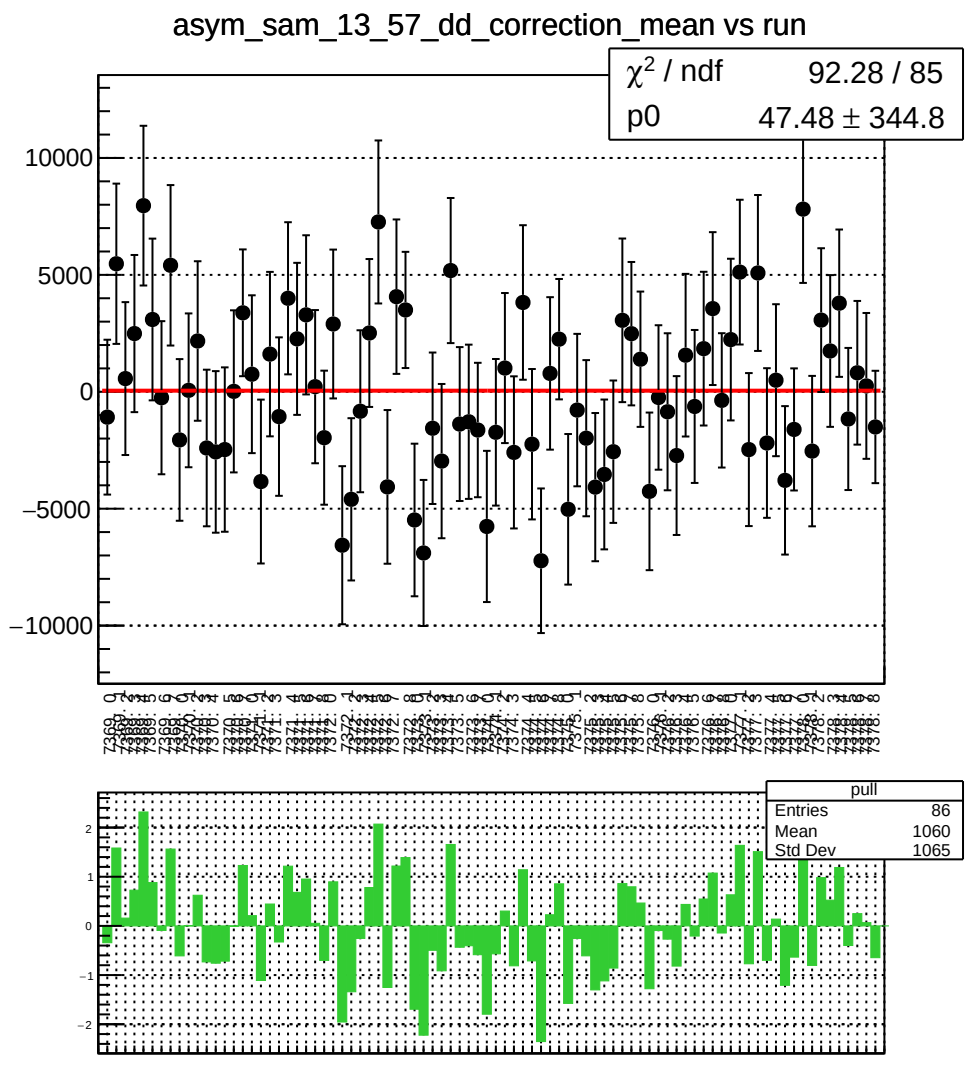

pull1D
Entries 86
Mean 0.002517
Std Dev 1

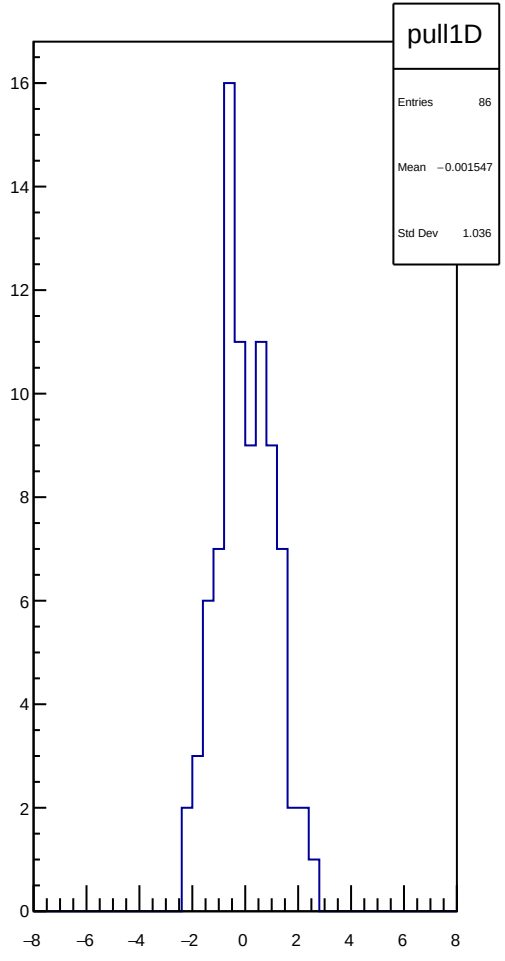

asym_sam_48_dd_rms vs run
χ² / ndf 5059 / 85
p0 905.5 ± 0.7105
1100
1050
1000
950
900
850
800

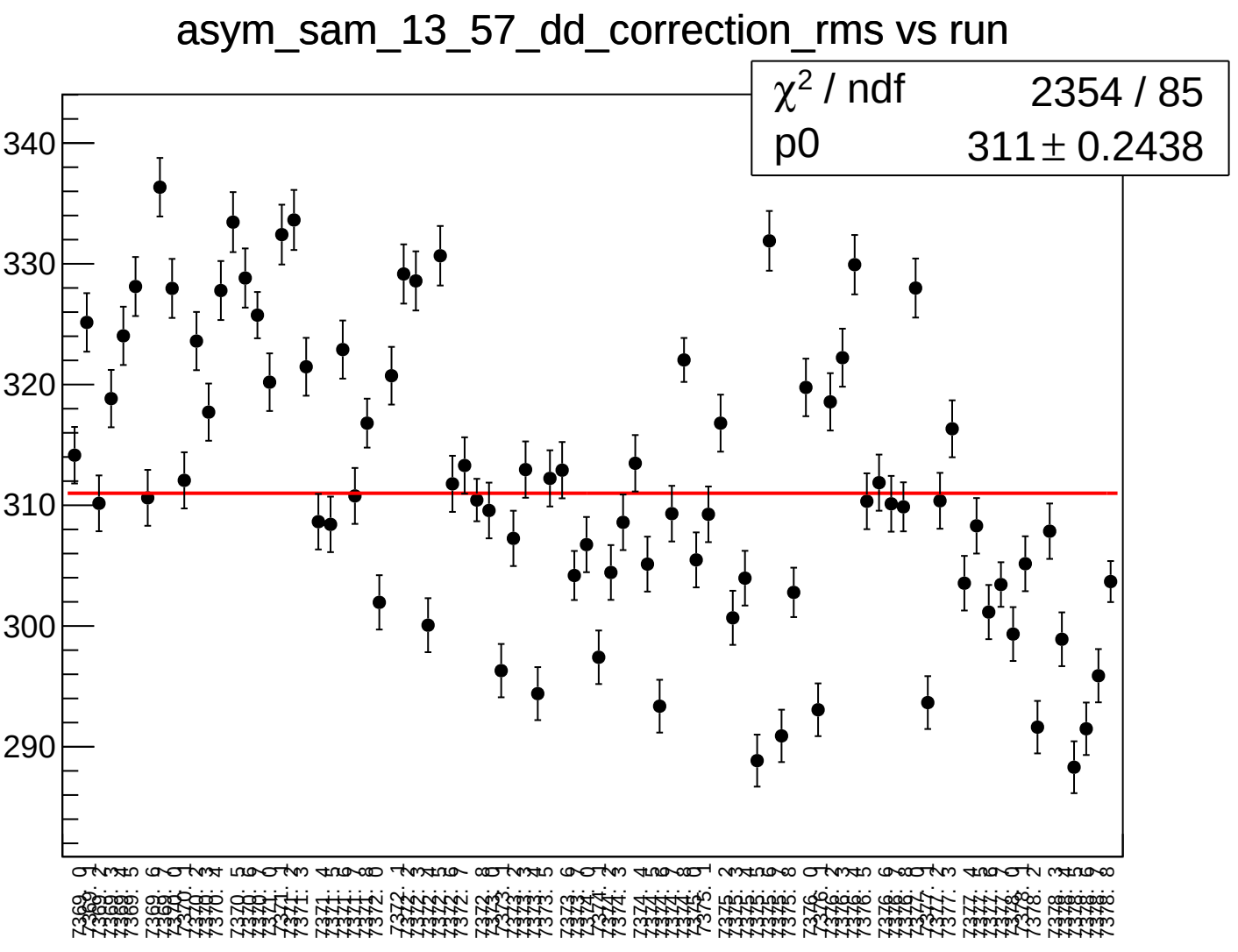

dit_asym_sam_13_57_dd_mean vs run
$\chi^2$ / ndf 96.31 / 85
p0 −143.4 ± 73.38
3000
2000
1000
0
−1000
−2000
pull
Entries 86
Mean −163.4
Std Dev 186.7
3
2
1
0
−1
−2

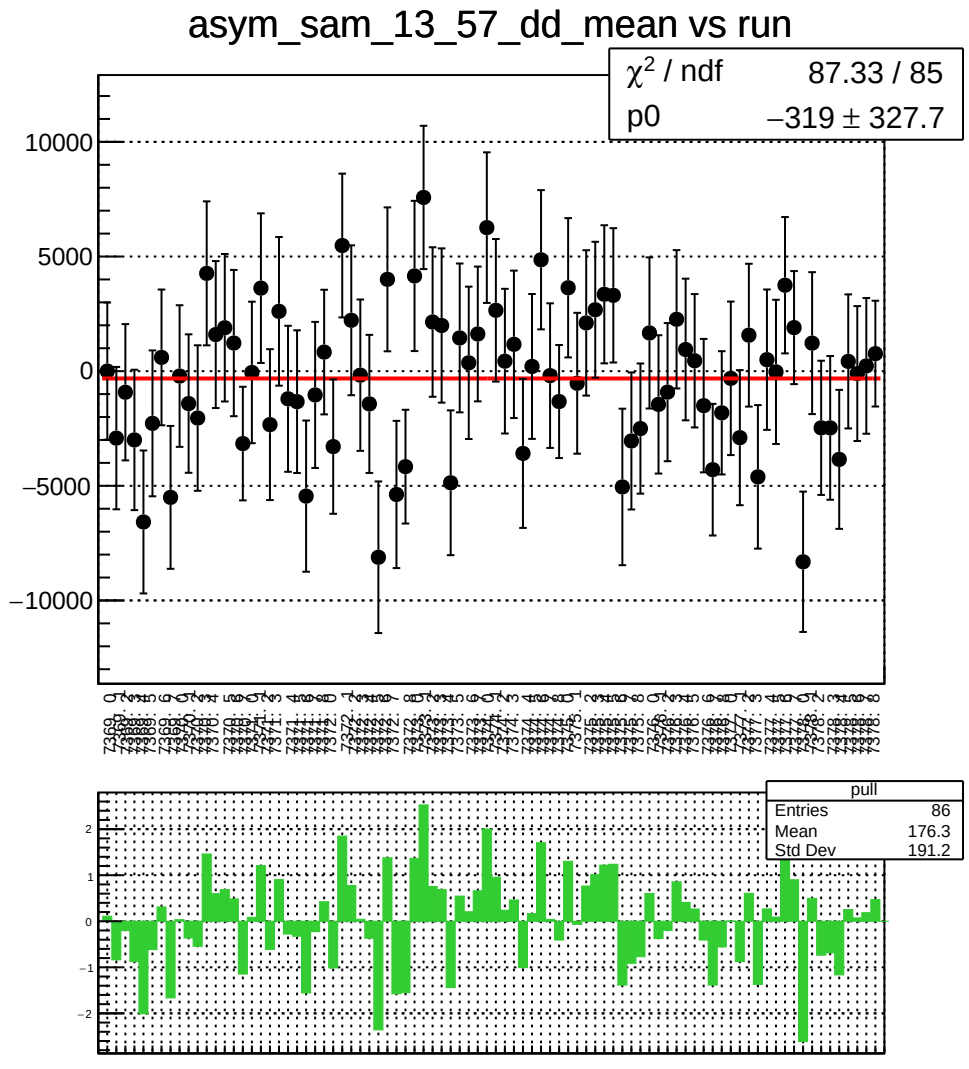

pull1D
Entries 86
Mean 0.0118
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

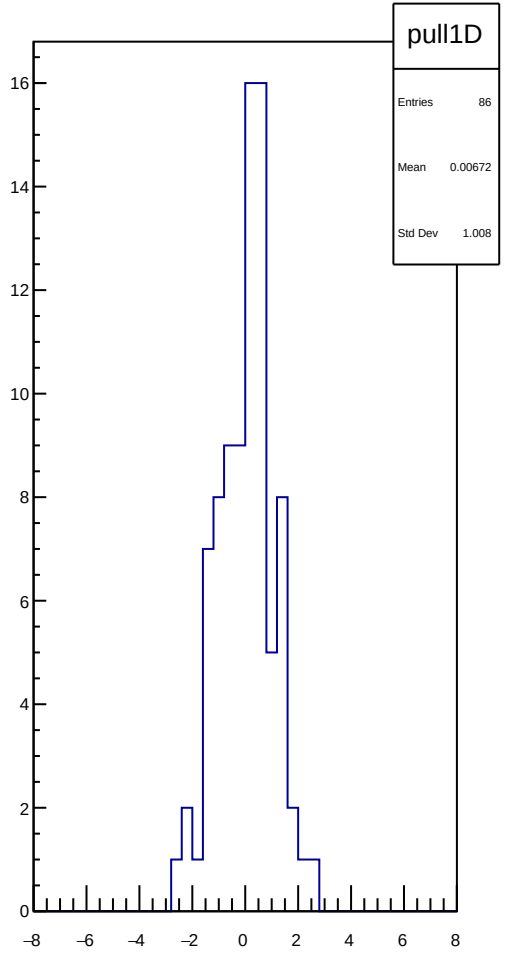

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 2721 / 85
p0 66.18 ± 0.05189
74
72
70
68
66
64
62
60
58

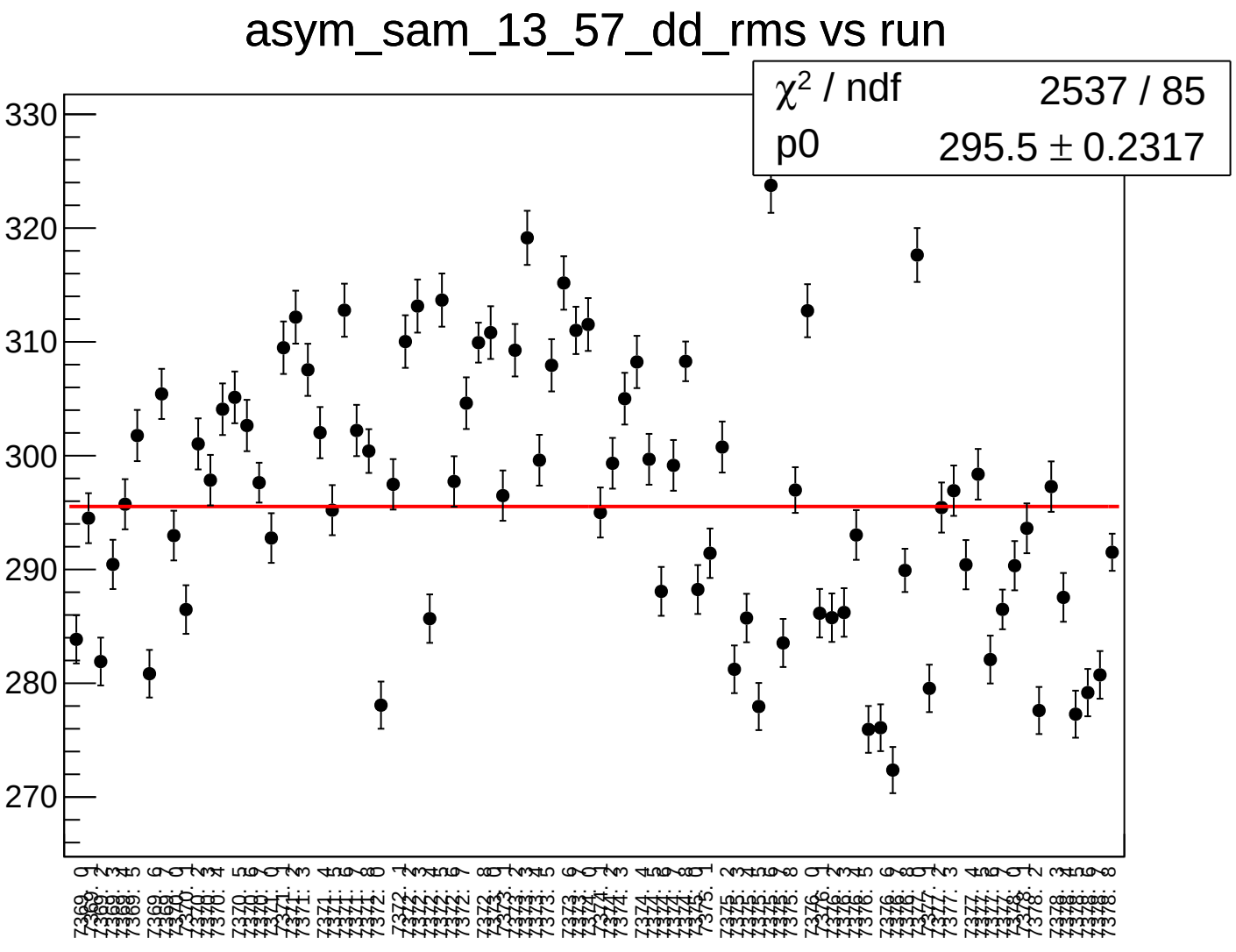

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 92.28 / 85
p0 47.48 ± 344.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 1060
Std Dev 1065
2
1
0
−1
−2

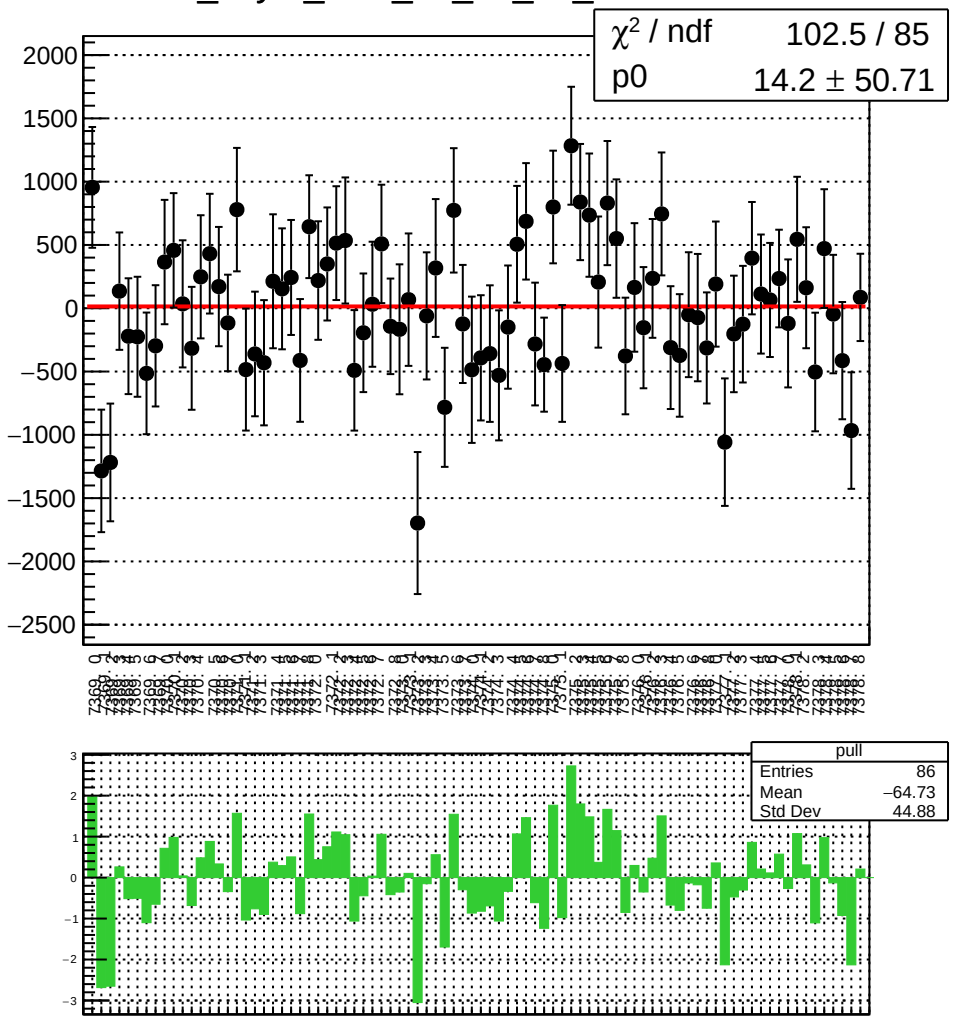

pull1D
Entries 86
Mean −0.001547
Std Dev 1.036
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

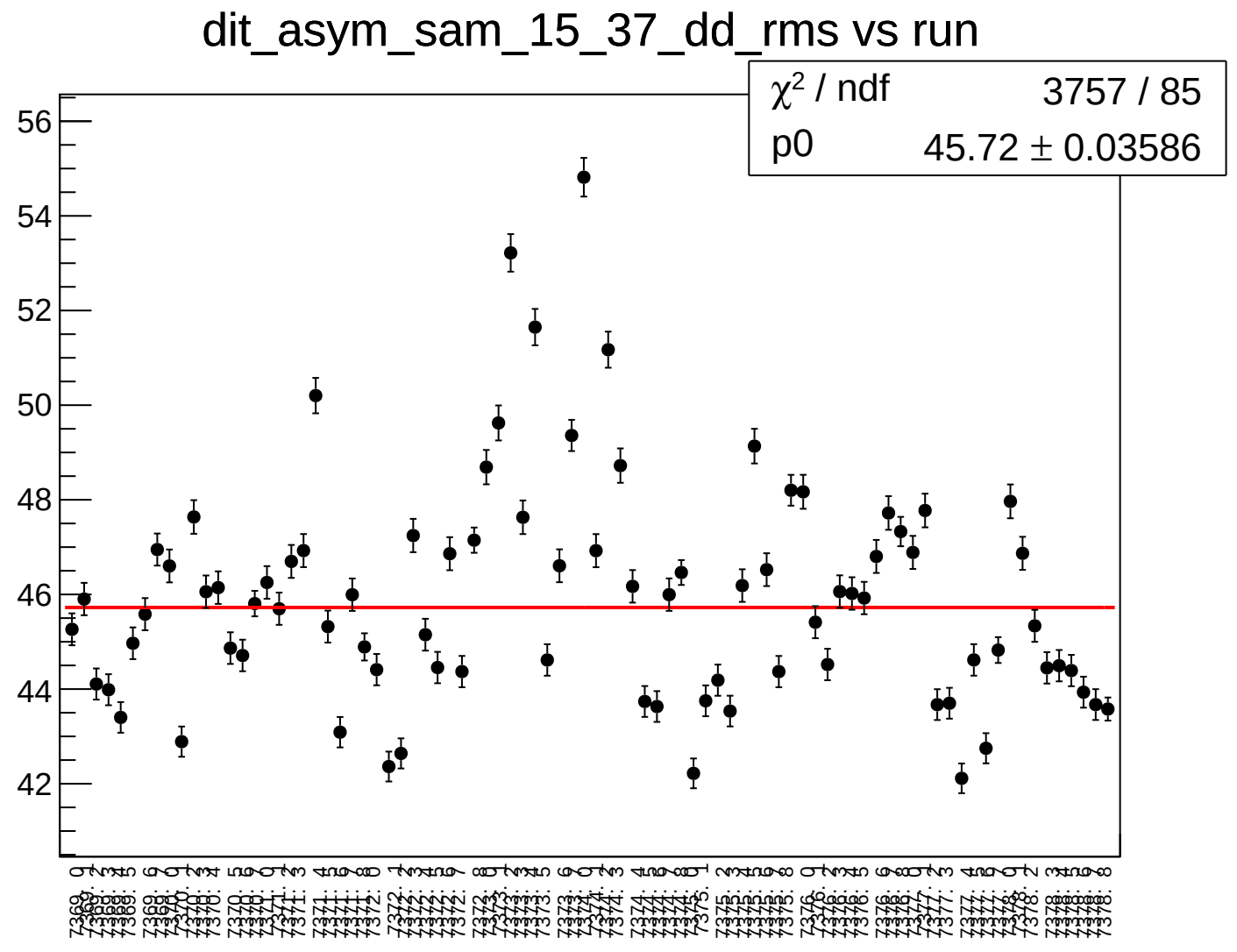

asym_sam_13_57_dd_correction_rms vs run
χ² / ndf 2354 / 85
p0 311 ± 0.2438
340
330
320
310
300
290

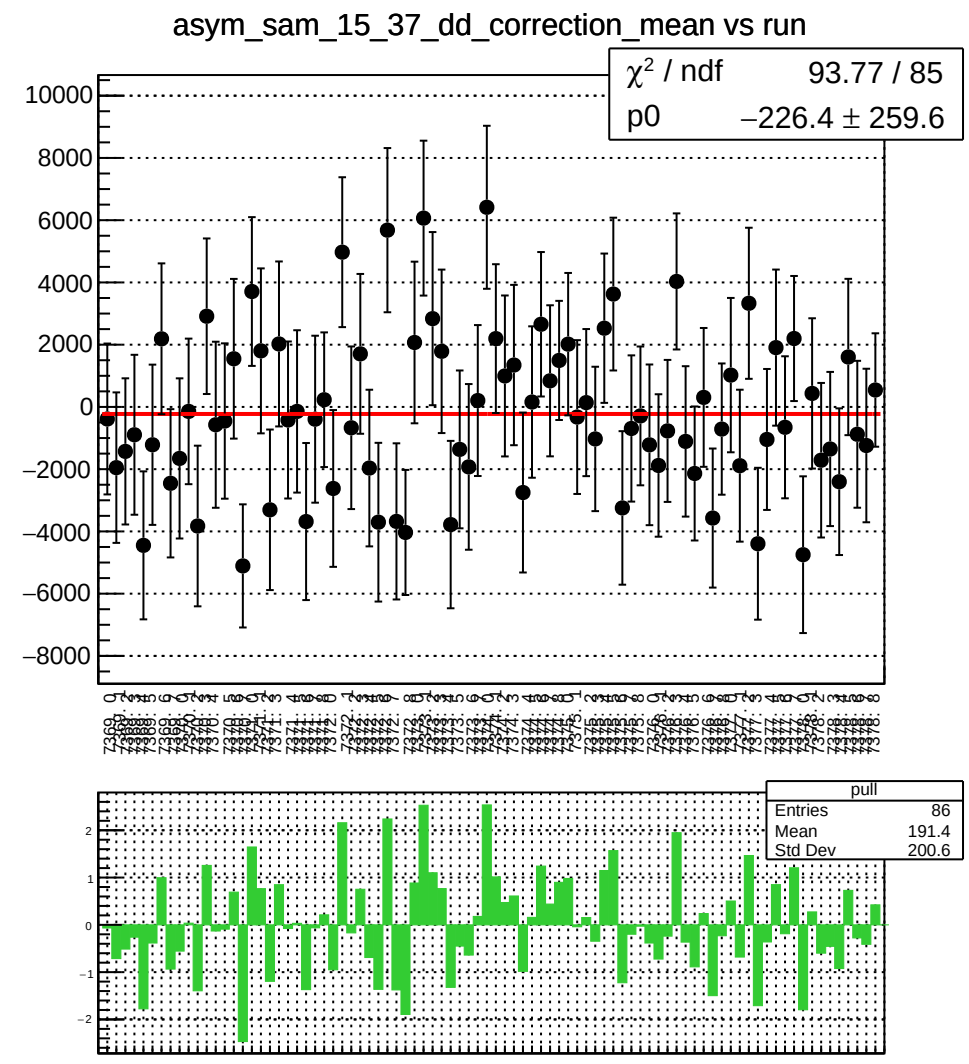

asym_sam_13_57_dd_mean vs run
χ² / ndf 87.33 / 85
p0 −319 ± 327.7
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 176.3
Std Dev 191.2
2
1
0
−1
−2

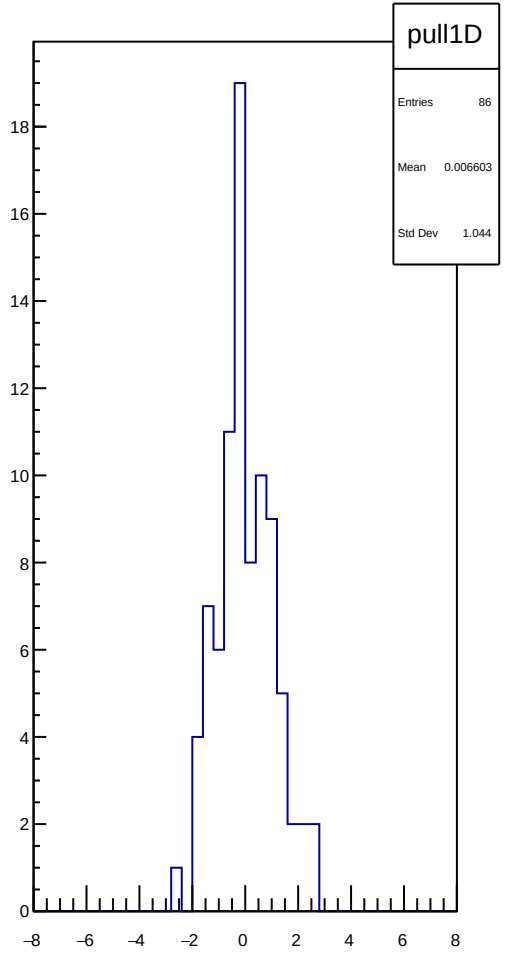

pull1D
Entries 86
Mean 0.00672
Std Dev 1.008
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

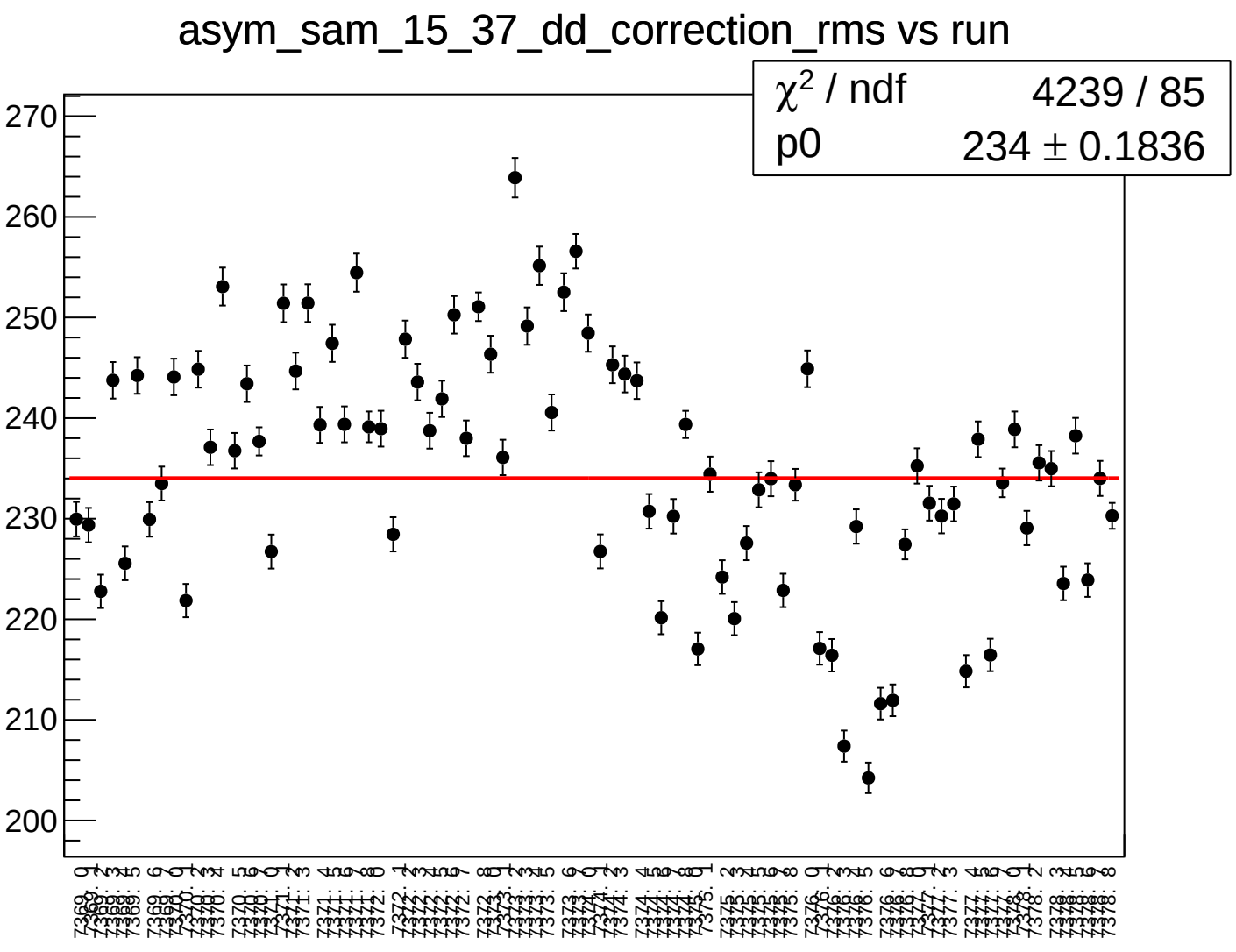

asym_sam_13_57_dd_rms vs run
χ² / ndf 2537 / 85
p0 295.5 ± 0.2317
330
320
310
300
290
280
270

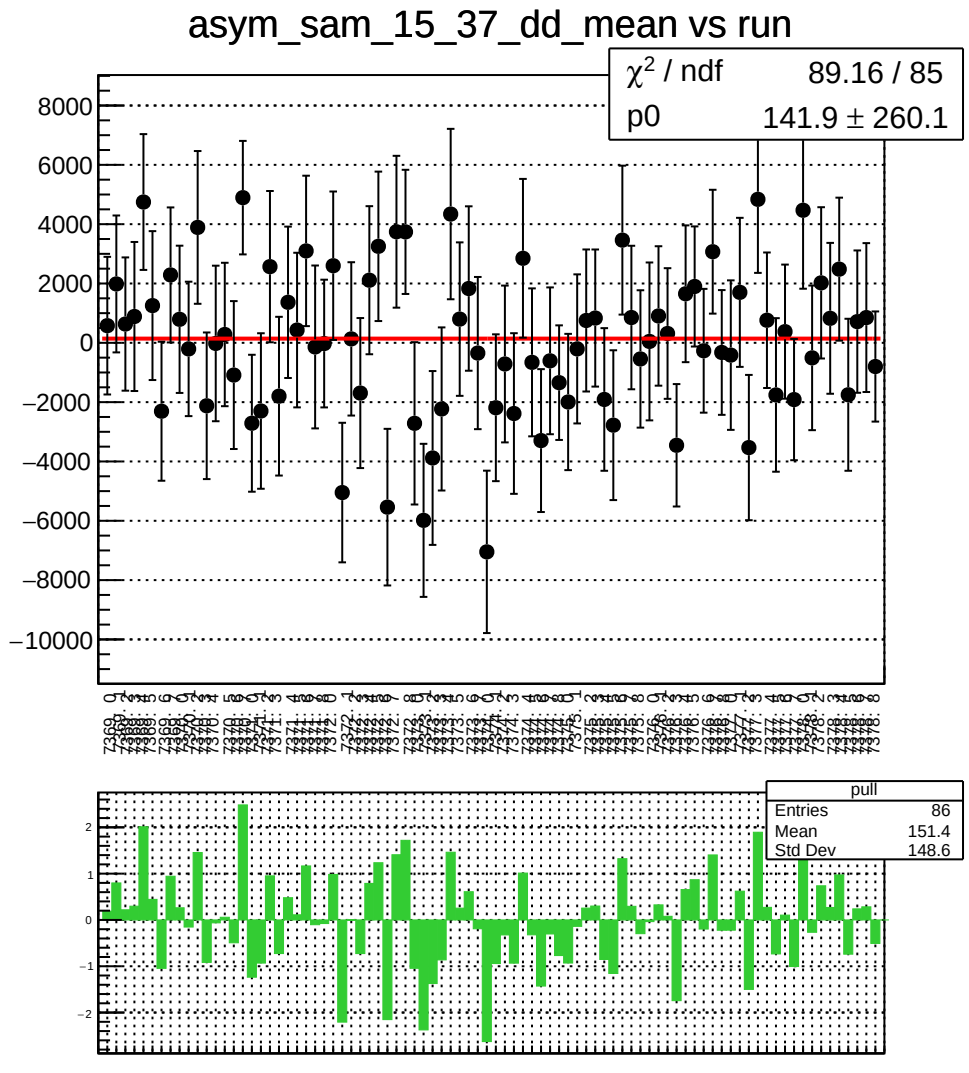

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 102.5 / 85
p0 14.2 ± 50.71
pull
Entries 86
Mean −64.73
Std Dev 44.88
pull1D
Entries 86
Mean −0.01066
Std Dev 1.092

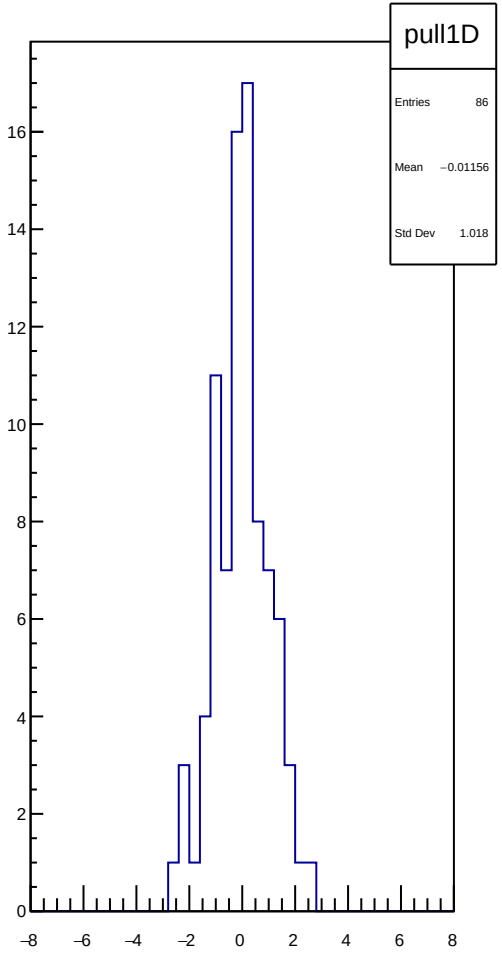

dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 3757 / 85
p0 45.72 ± 0.03586
56
54
52
50
48
46
44
42

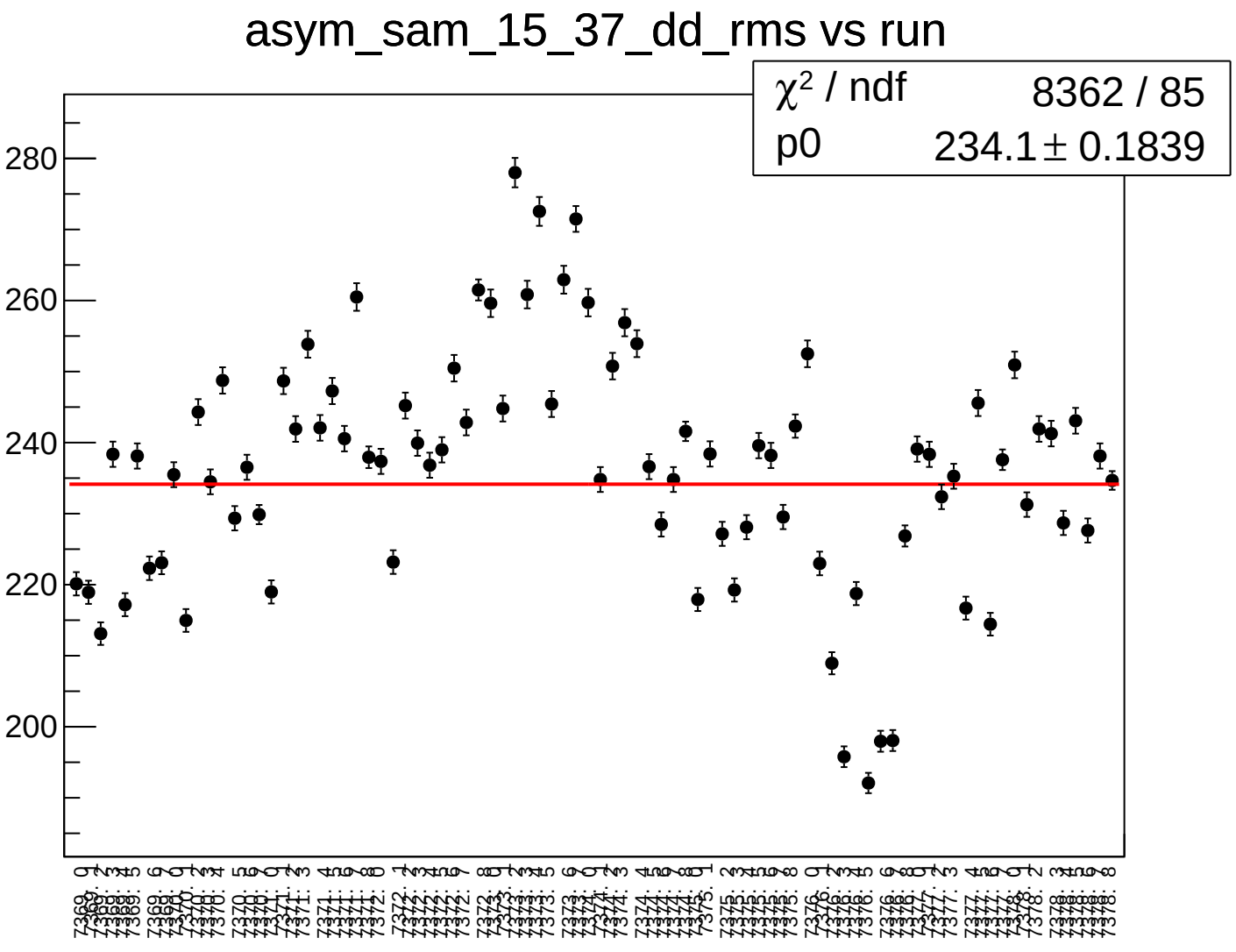

asym_sam_15_37_dd_correction_mean vs run
χ² / ndf 93.77 / 85
p0 −226.4 ± 259.6
pull
Entries 86
Mean 191.4
Std Dev 200.6

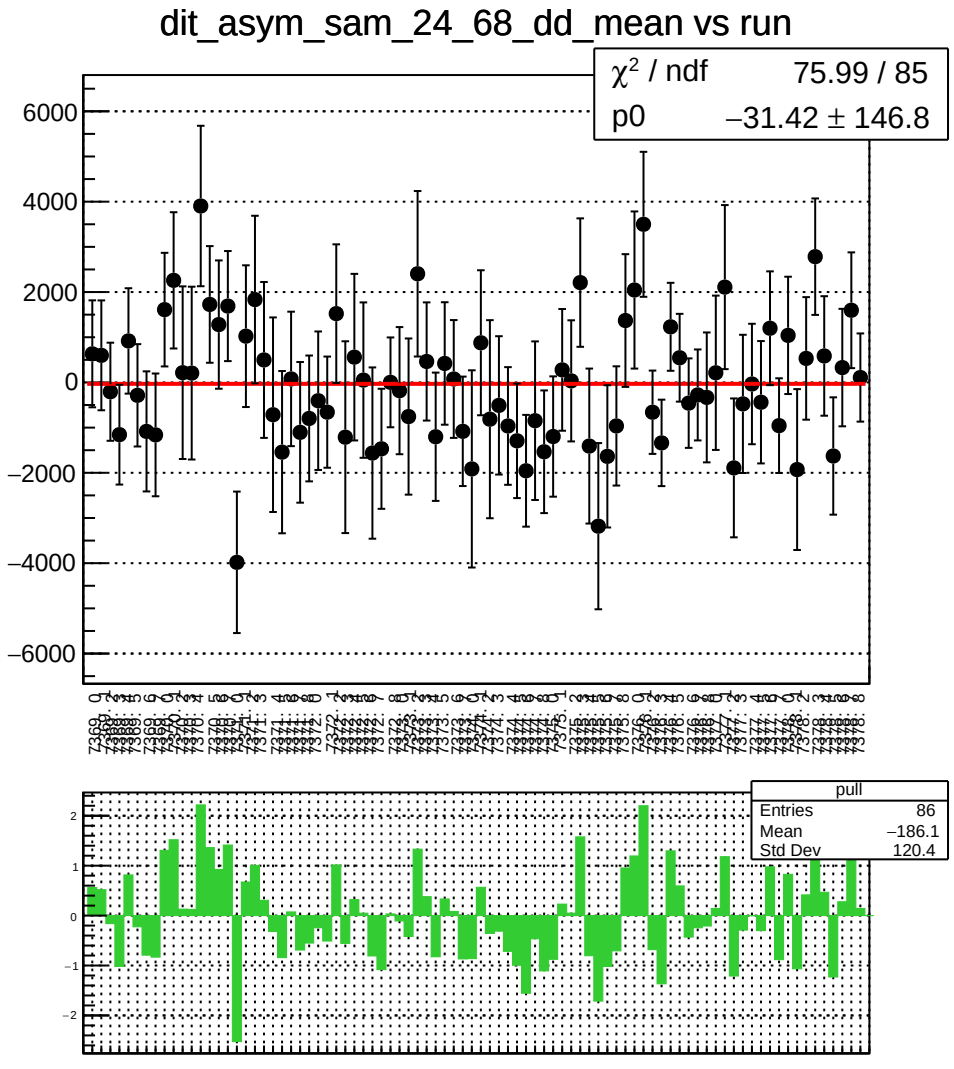

pull1D
Entries 86
Mean 0.006603
Std Dev 1.044

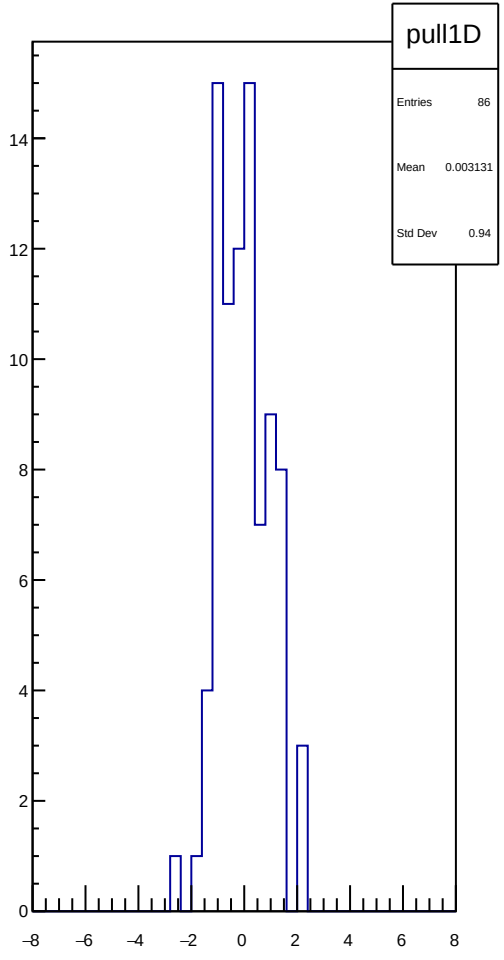

asym_sam_15_37_dd_correction_rms vs run
χ² / ndf 4239 / 85
p0 234 ± 0.1836
270
260
250
240
230
220
210
200

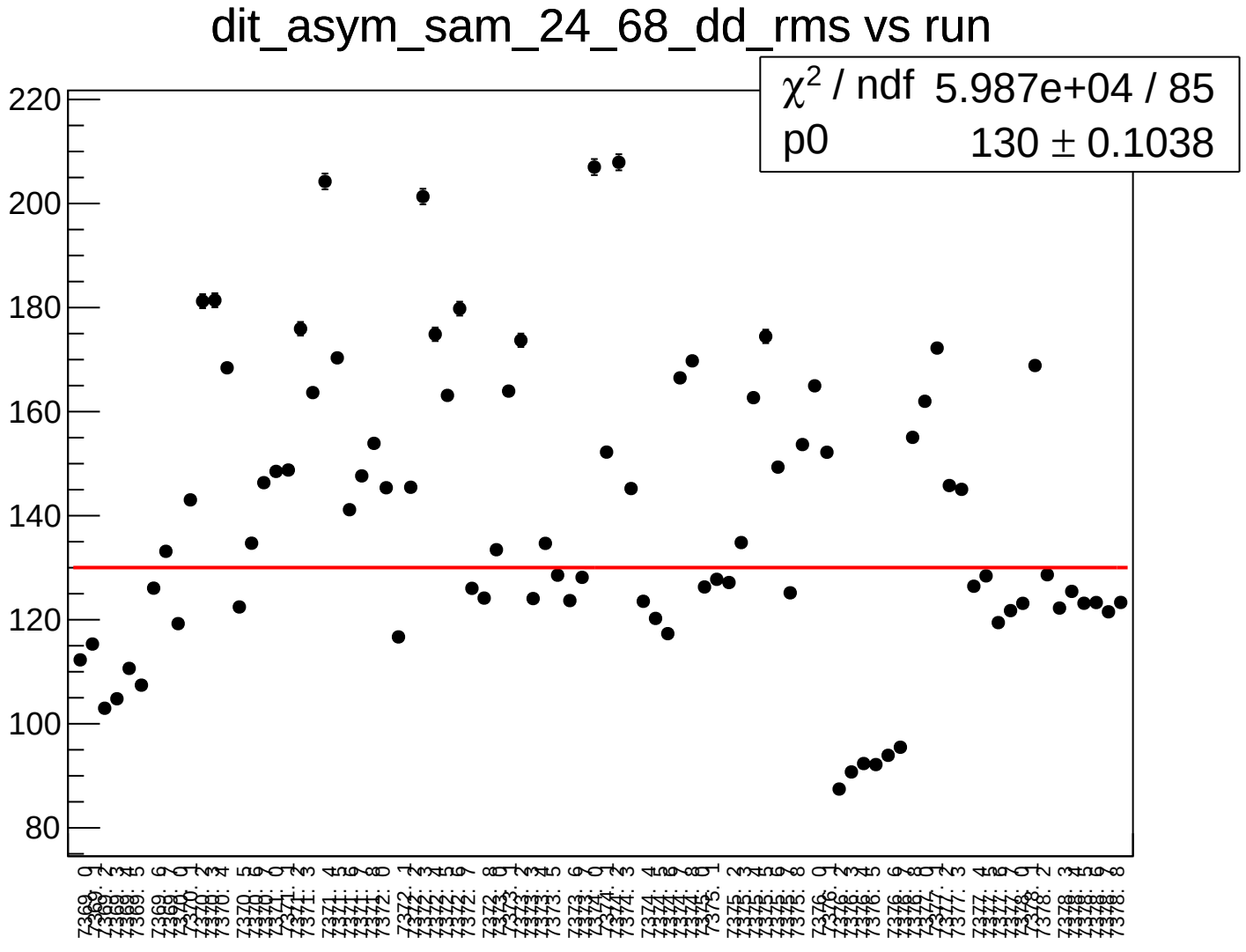

asym_sam_15_37_dd_mean vs run
χ² / ndf 89.16 / 85
p0 141.9 ± 260.1
pull
Entries 86
Mean 151.4
Std Dev 148.6

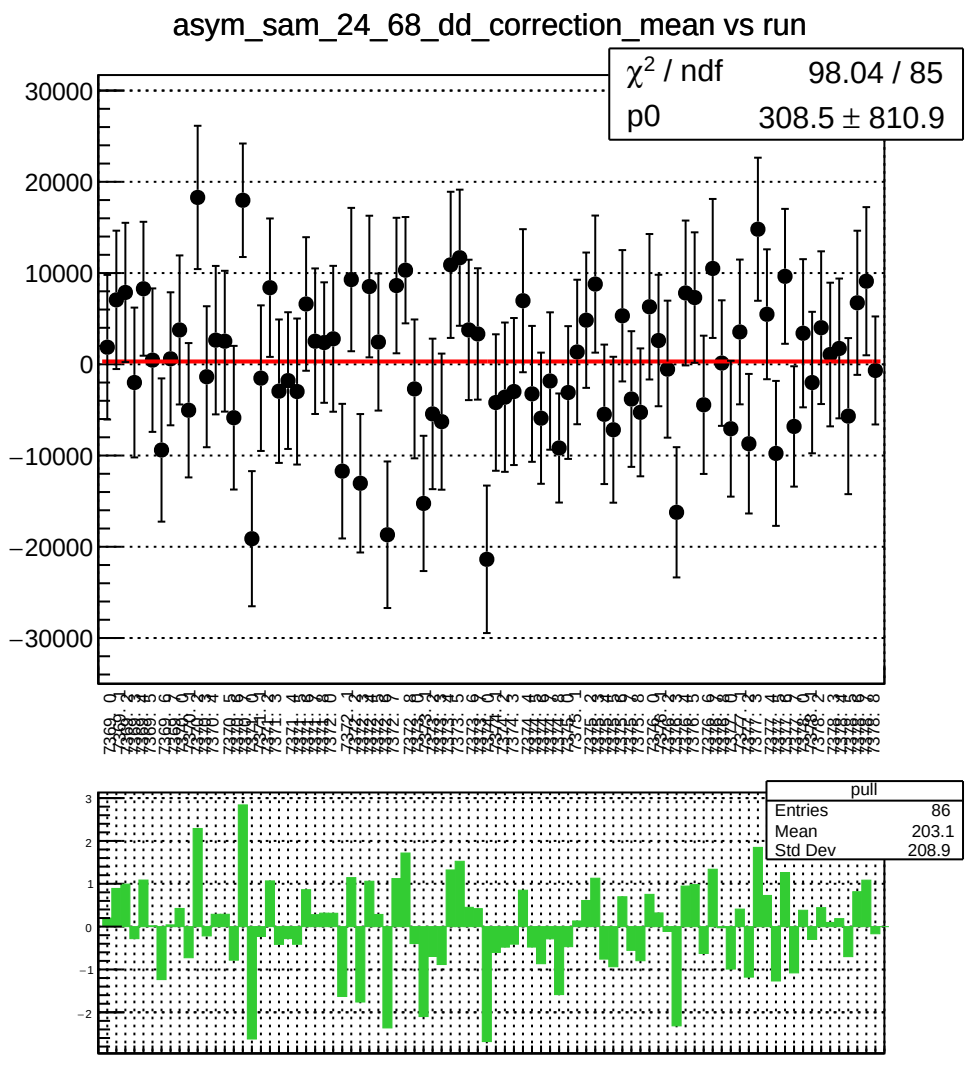

pull1D
Entries 86
Mean −0.01156
Std Dev 1.018

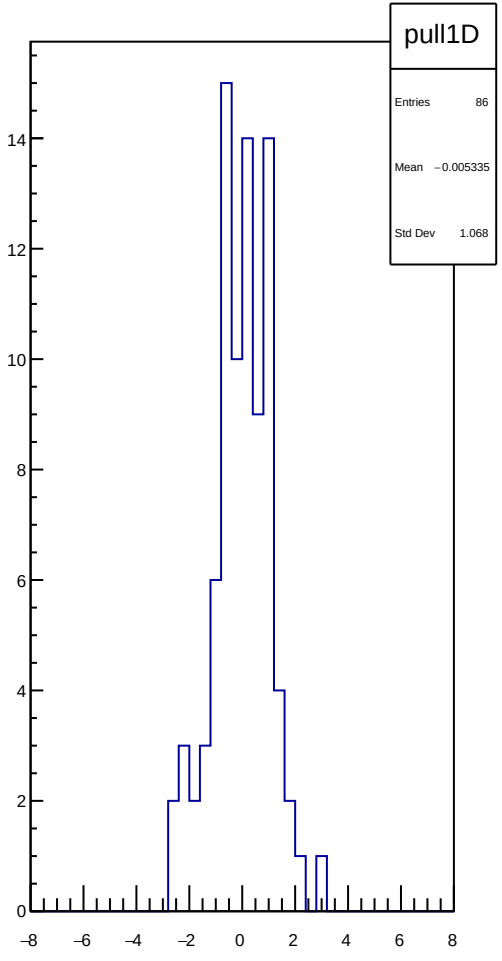

asym_sam_15_37_dd_rms vs run
χ² / ndf 8362 / 85
p0 234.1 ± 0.1839
280
260
240
220
200

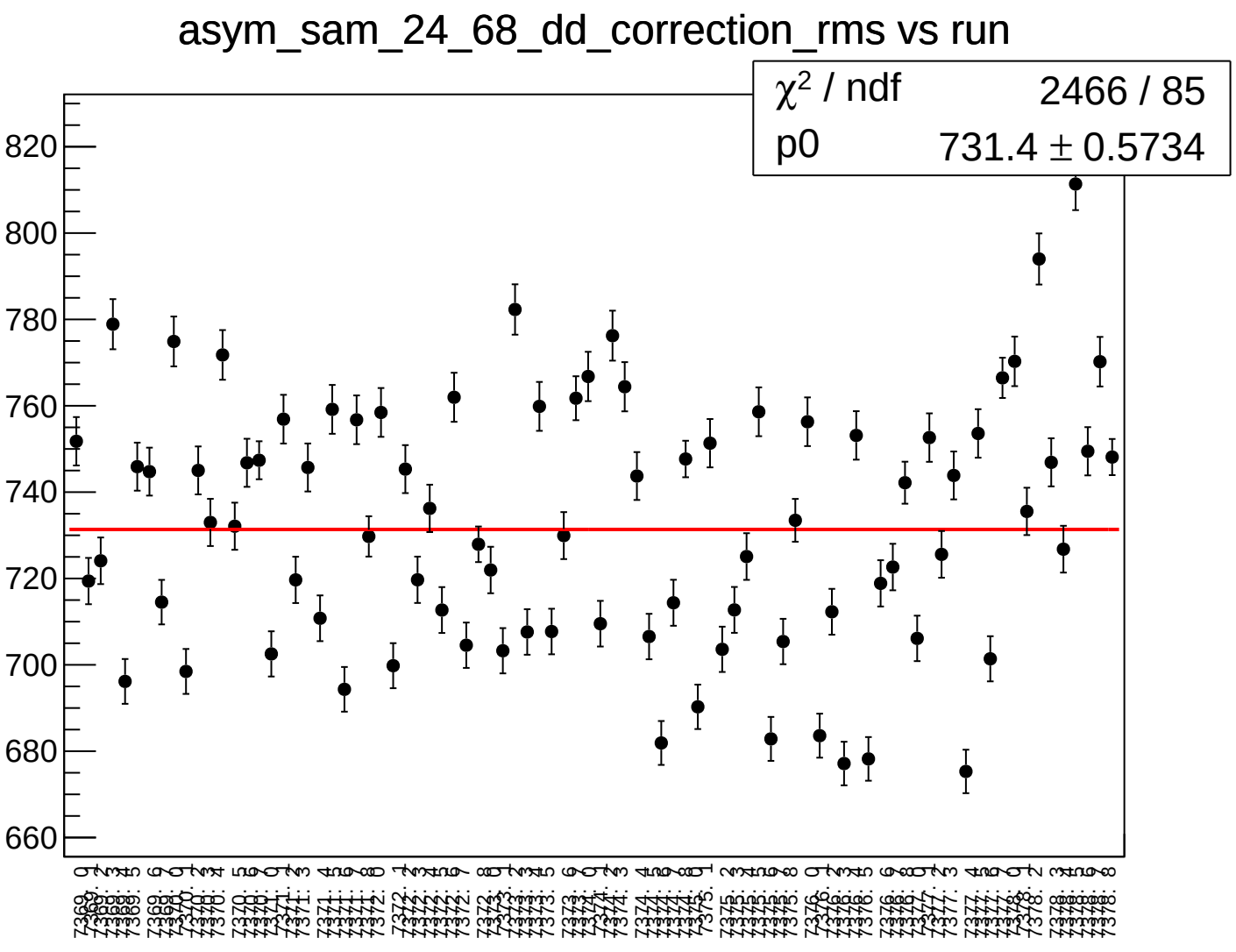

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 75.99 / 85
p0 −31.42 ± 146.8
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean −186.1
Std Dev 120.4
2
1
0
−1
−2

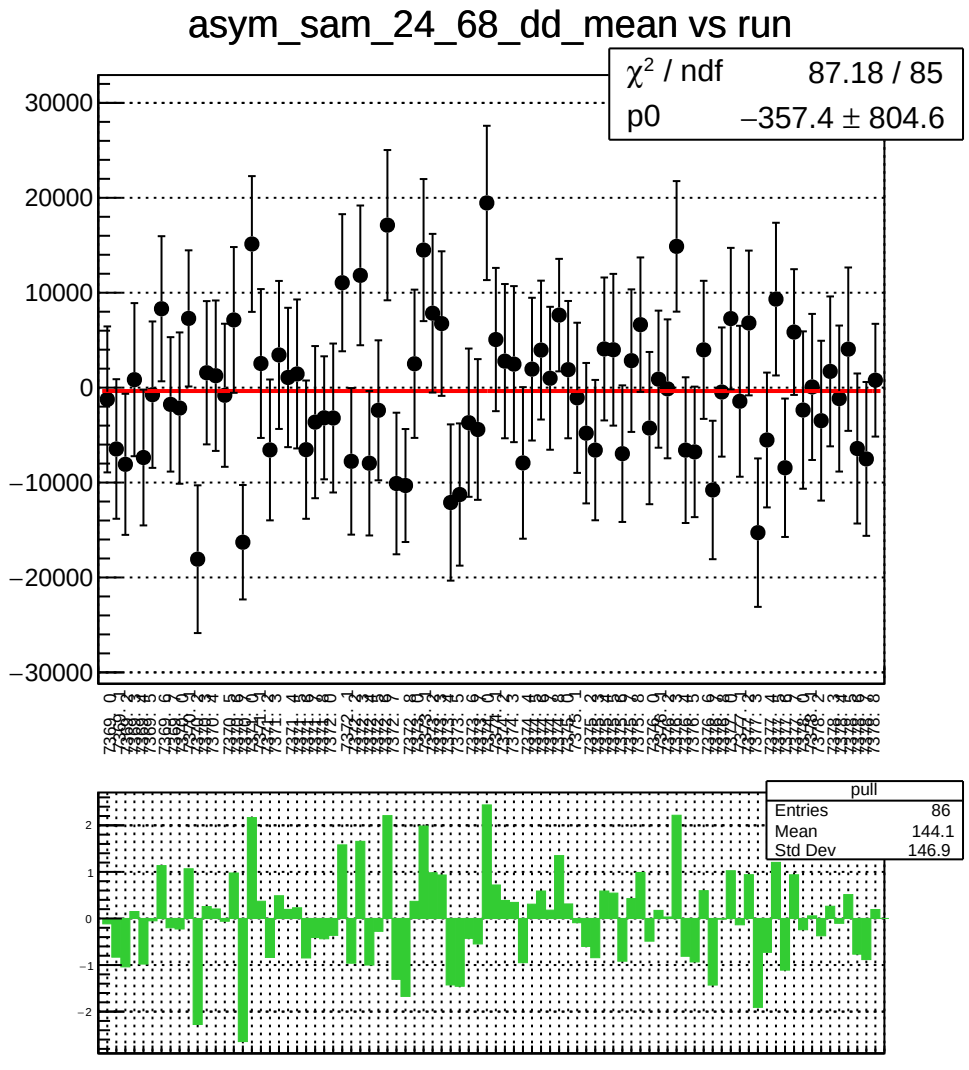

pull1D
Entries 86
Mean 0.003131
Std Dev 0.94
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

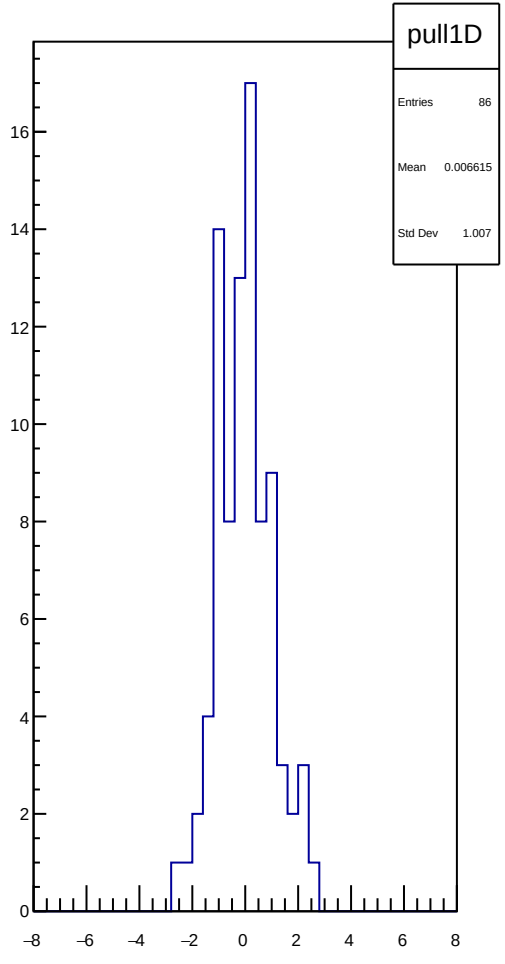

dit_asym_sam_24_68_dd_rms vs run
$\chi^2$ / ndf 5.987e+04 / 85
p0 130 ± 0.1038
220
200
180
160
140
120
100
80

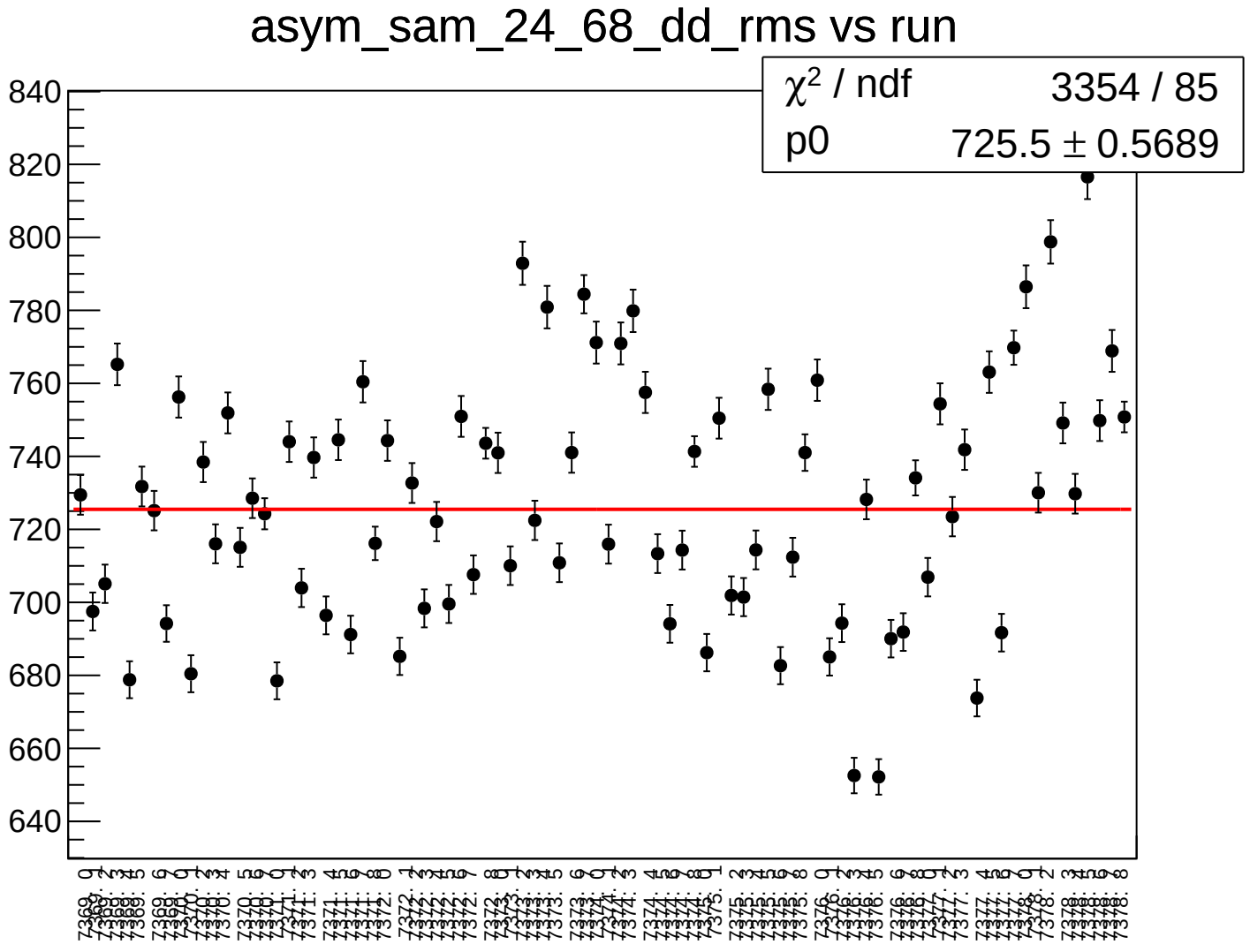

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 98.04 / 85
p0 308.5 ± 810.9
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean 203.1
Std Dev 208.9
3
2
1
0
−1
−2

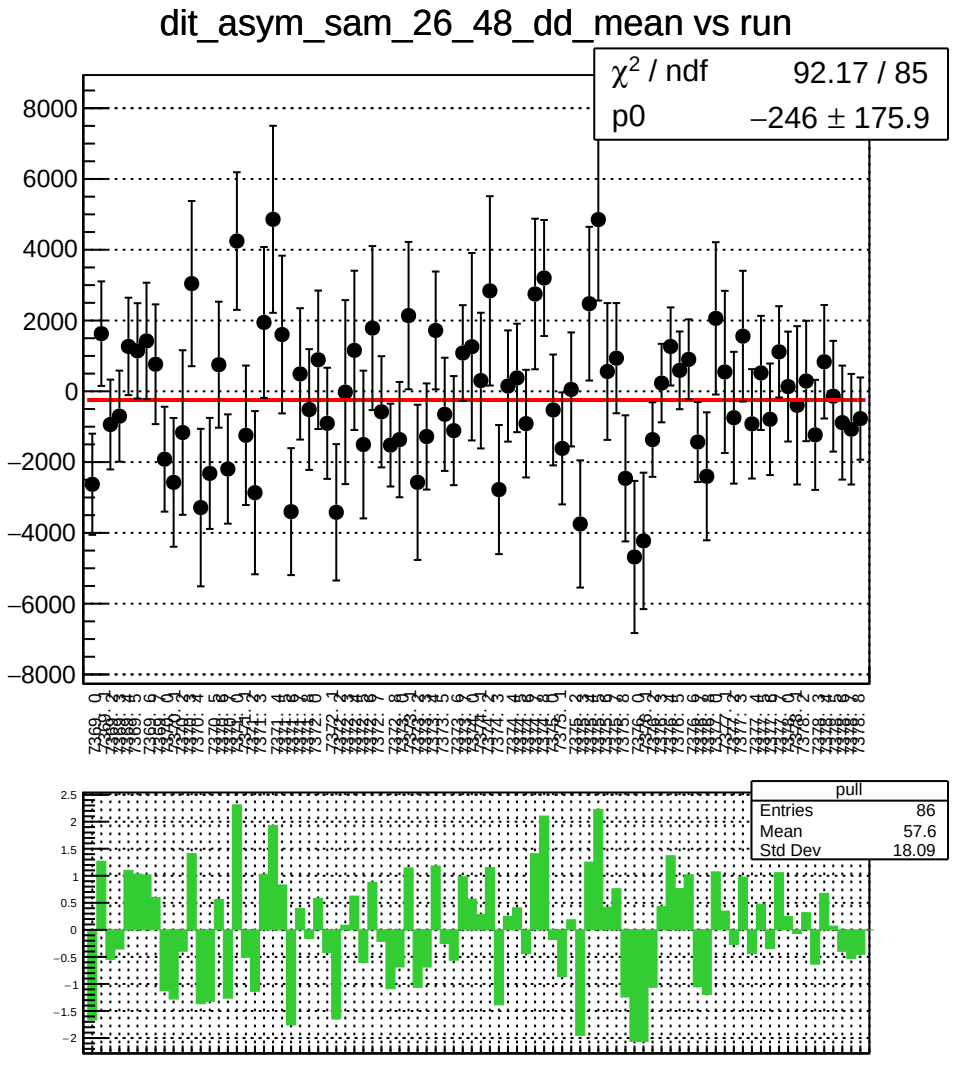

pull1D
Entries 86
Mean −0.005335
Std Dev 1.068
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

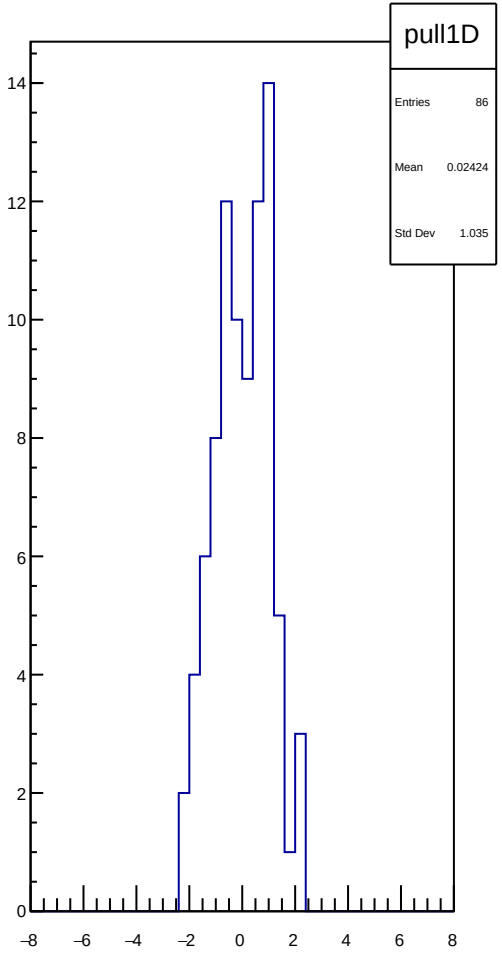

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 2466 / 85
p0 731.4 ± 0.5734
820
800
780
760
740
720
700
680
660

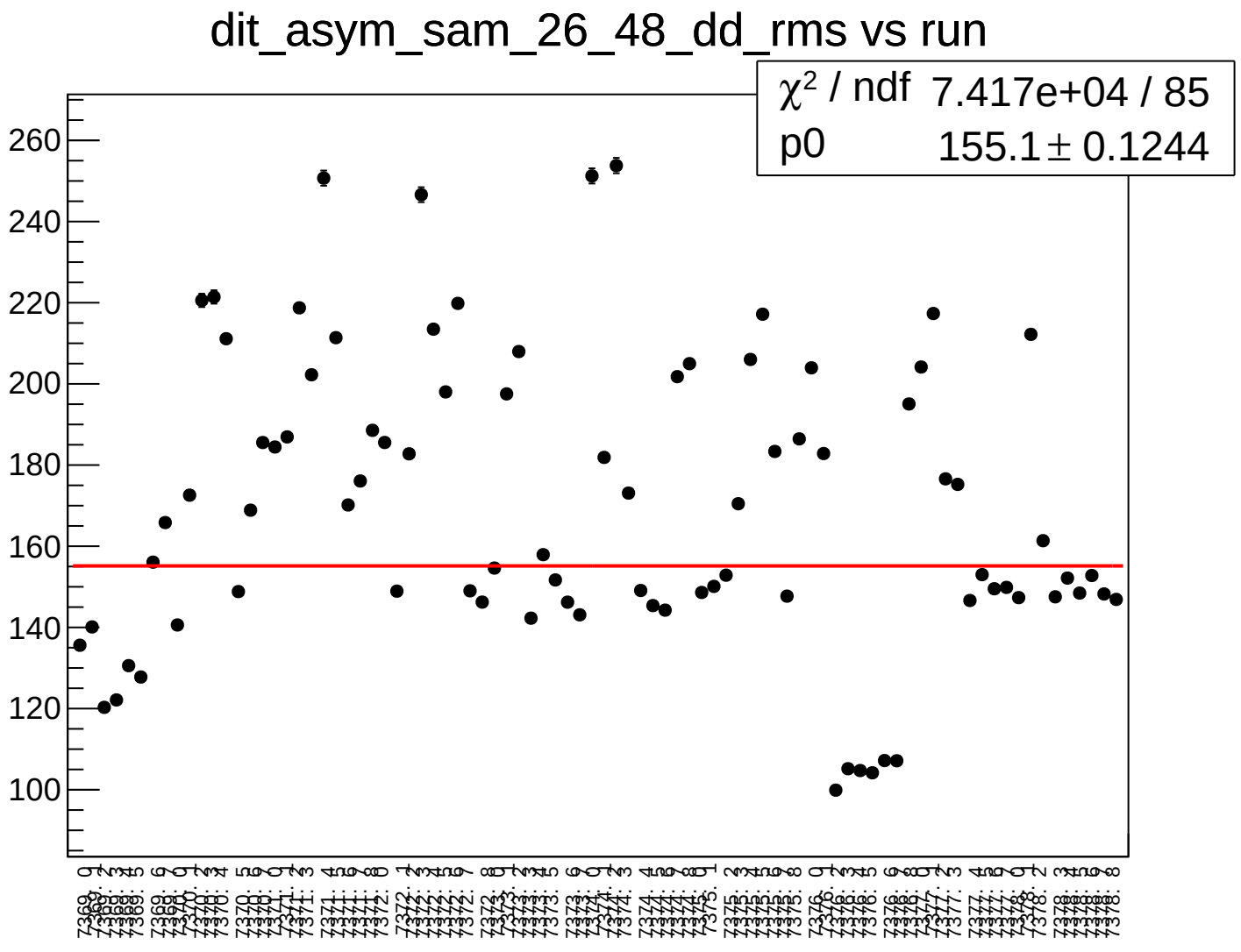

asym_sam_24_68_dd_mean vs run
χ² / ndf 87.18 / 85
p0 −357.4 ± 804.6
pull
Entries 86
Mean 144.1
Std Dev 146.9

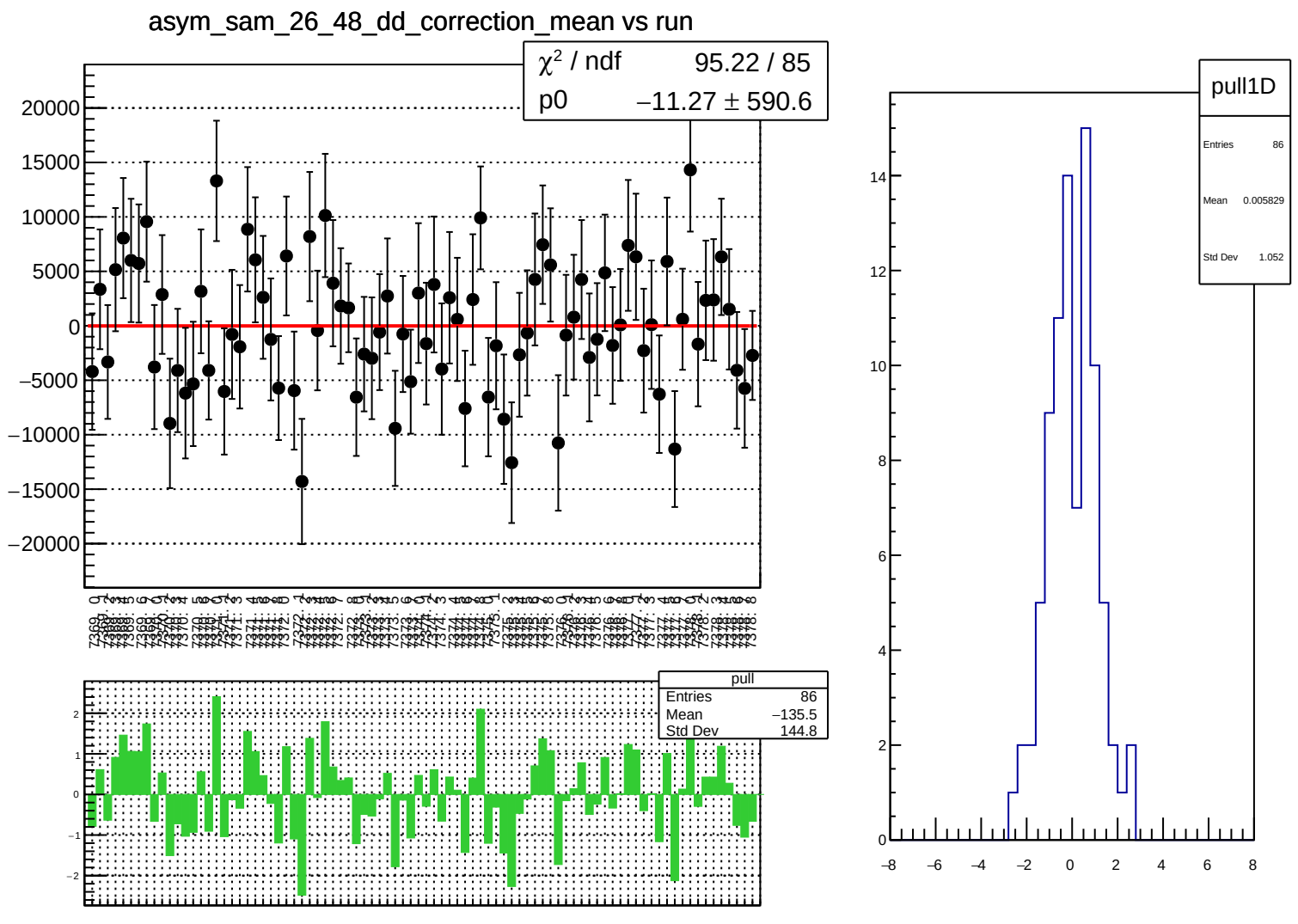

pull1D
Entries 86
Mean 0.006615
Std Dev 1.007

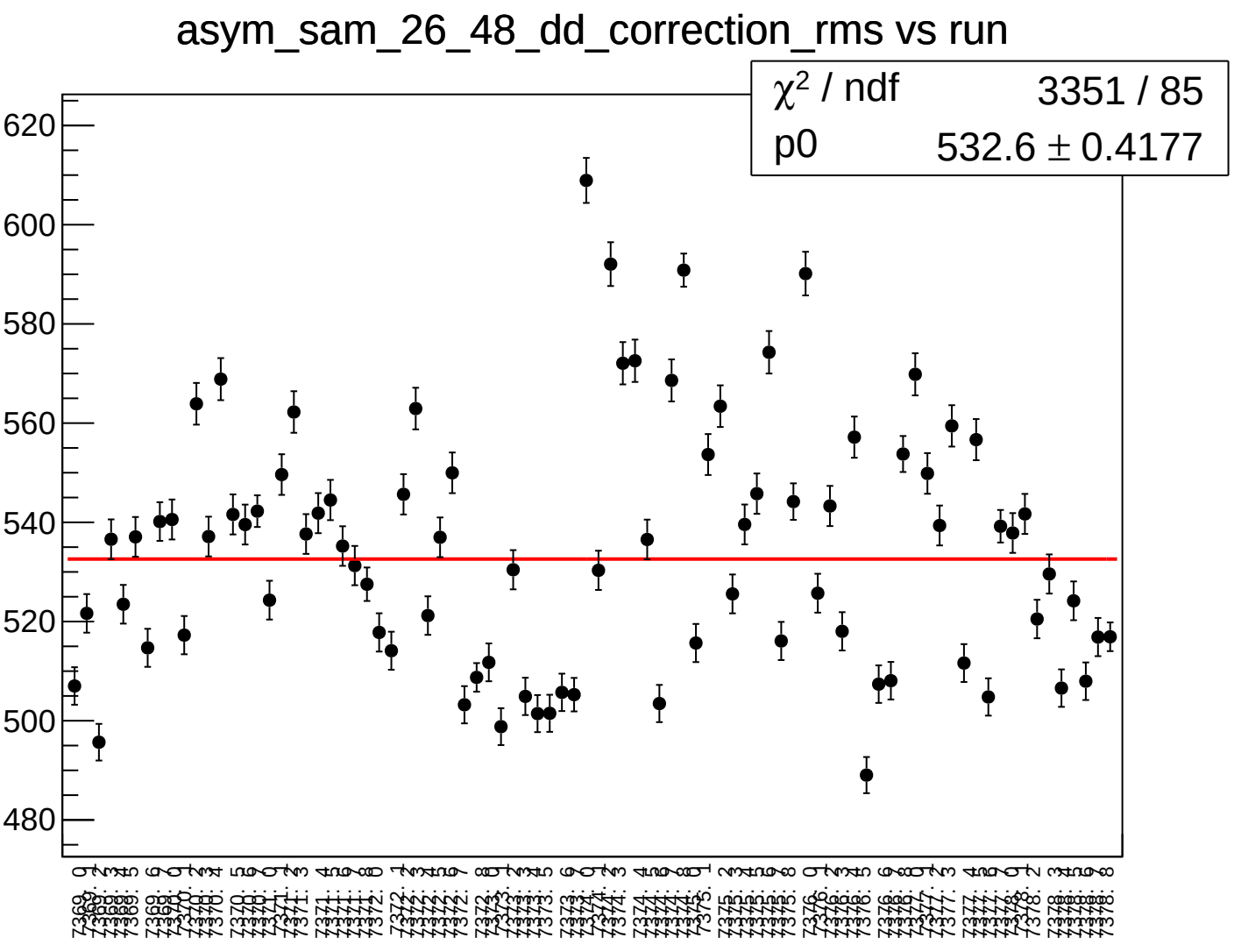

asym_sam_24_68_dd_rms vs run
χ² / ndf 3354 / 85
p0 725.5 ± 0.5689
840
820
800
780
760
740
720
700
680
660
640

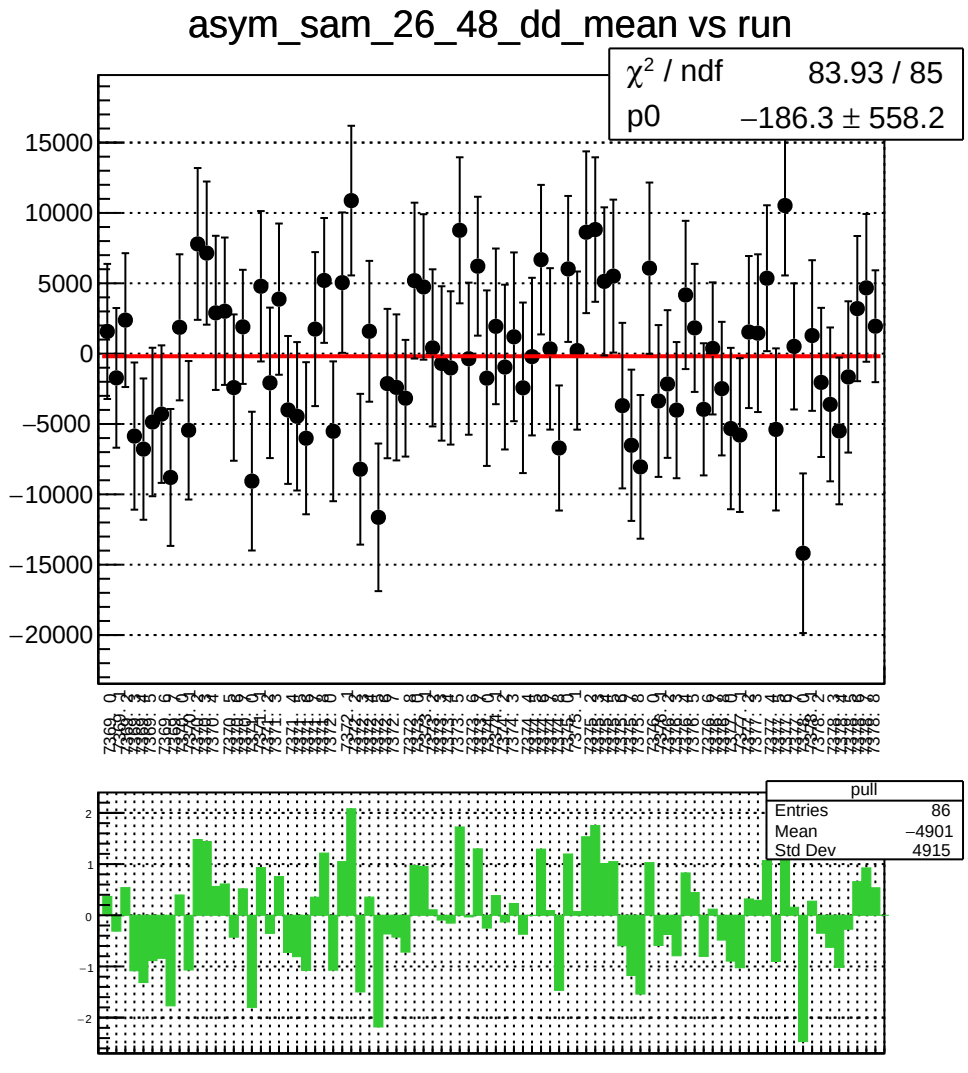

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 92.17 / 85
p0 −246 ± 175.9
pull
Entries 86
Mean 57.6
Std Dev 18.09

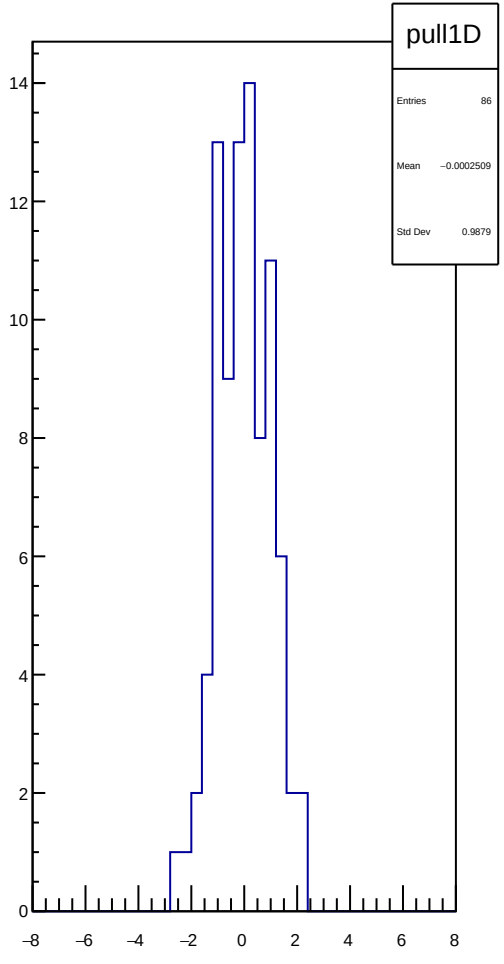

pull1D
Entries 86
Mean 0.02424
Std Dev 1.035

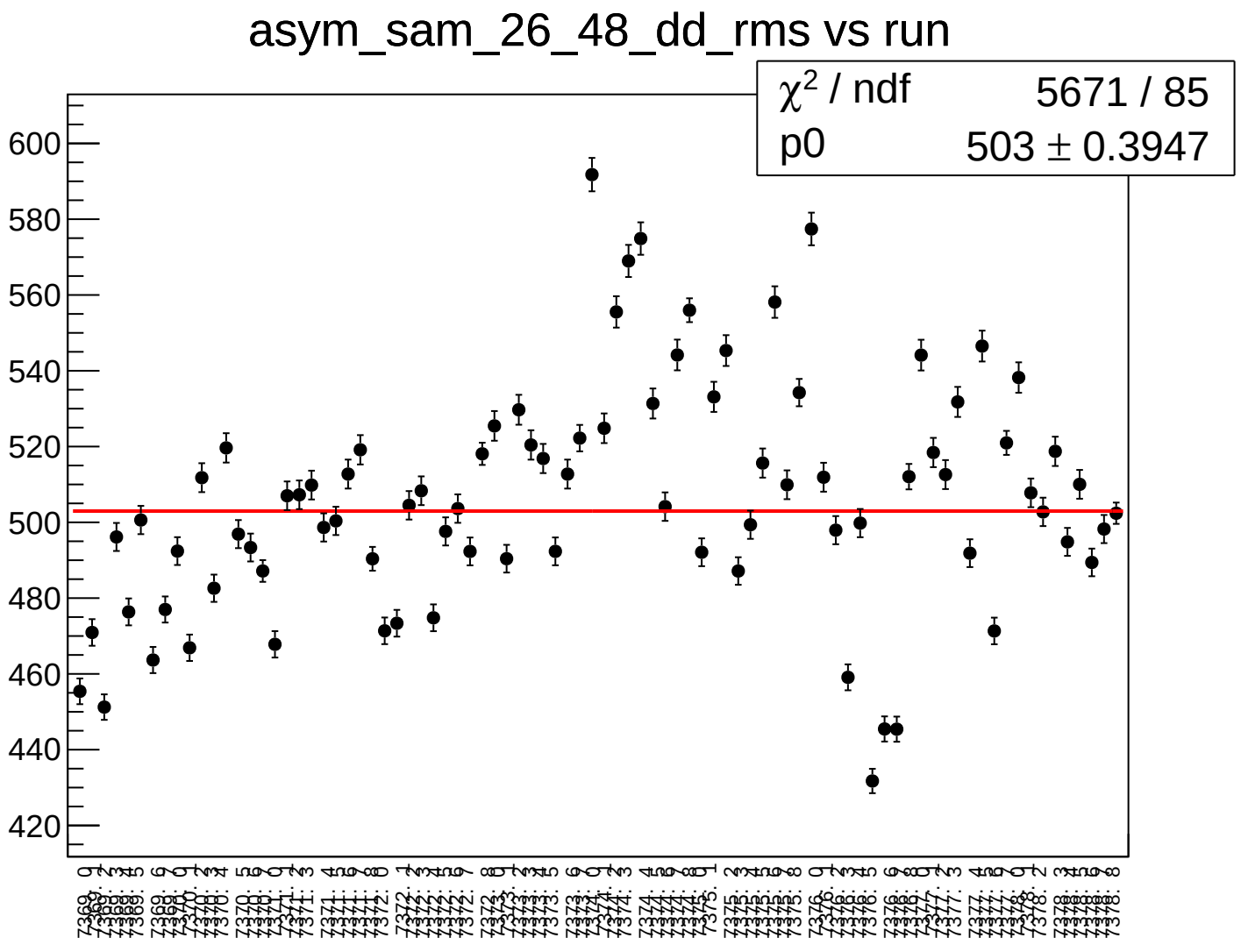

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 7.417e+04 / 85
p0 155.1 ± 0.1244
260
240
220
200
180
160
140
120
100

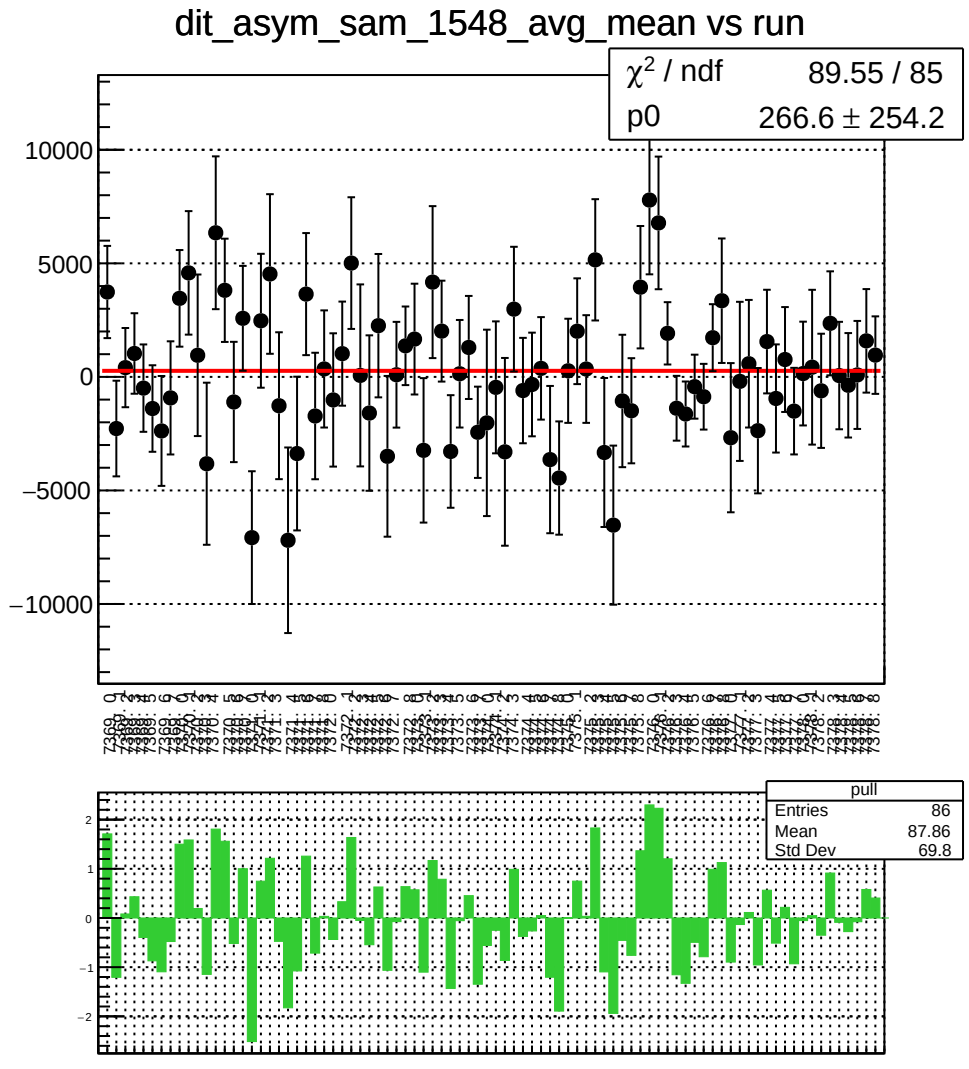

asym_sam_26_48_dd_correction_mean vs run
χ² / ndf 95.22 / 85
p0 −11.27 ± 590.6
pull
Entries 86
Mean −135.5
Std Dev 144.8
pull1D
Entries 86
Mean 0.005829
Std Dev 1.052

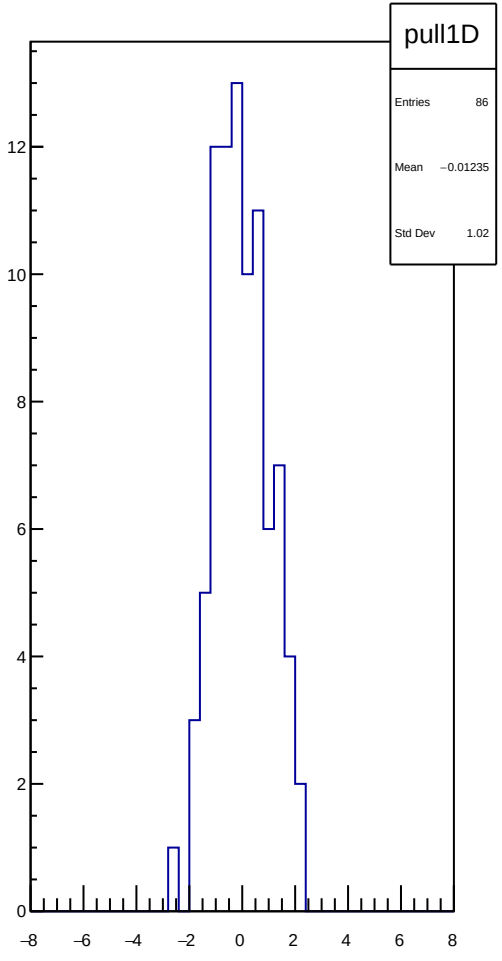

asym_sam_26_48_dd_correction_rms vs run
χ² / ndf 3351 / 85
p0 532.6 ± 0.4177
620
600
580
560
540
520
500
480

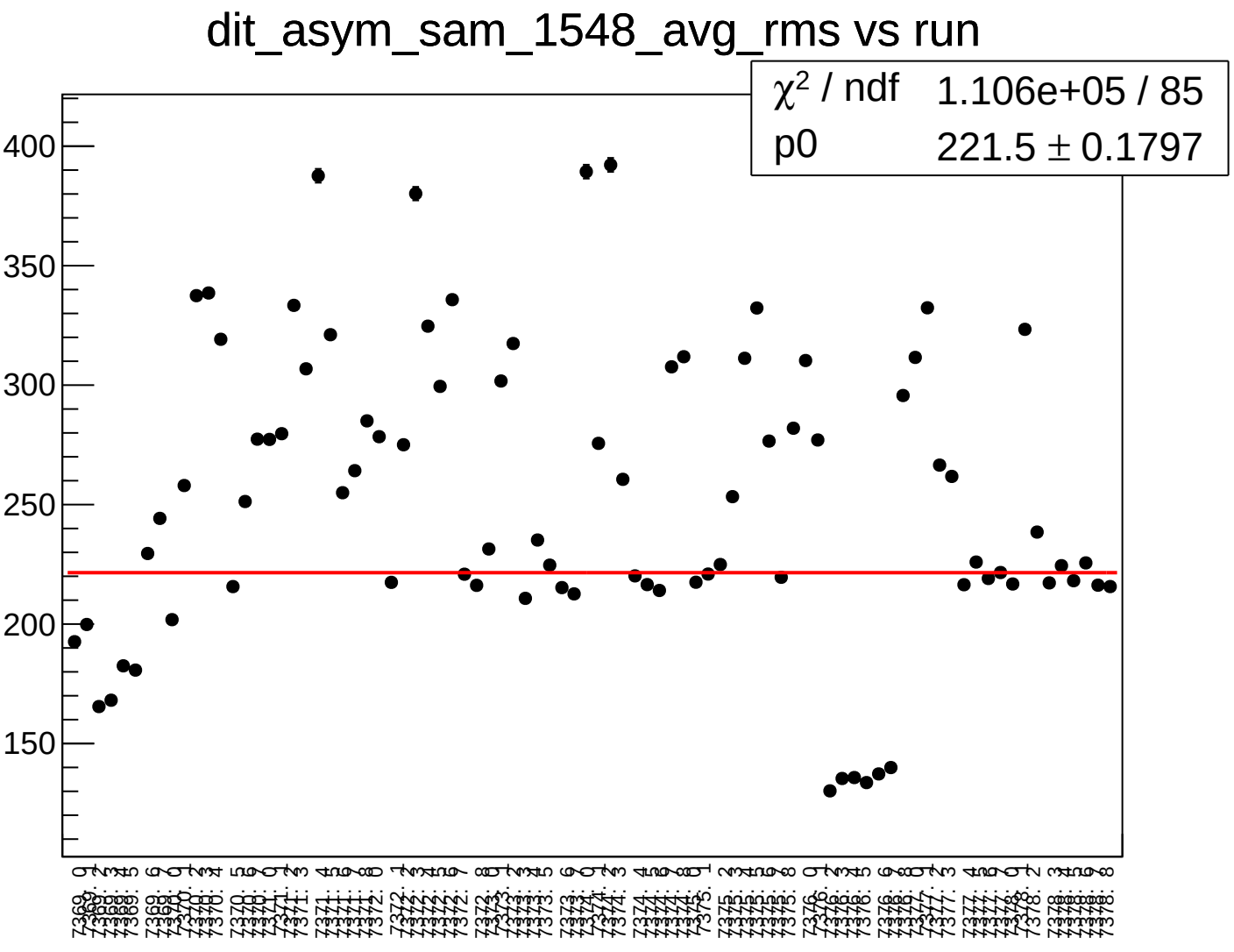

asym_sam_26_48_dd_mean vs run
χ² / ndf 83.93 / 85
p0 −186.3 ± 558.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 86
Mean −4901
Std Dev 4915
2
1
0
−1
−2

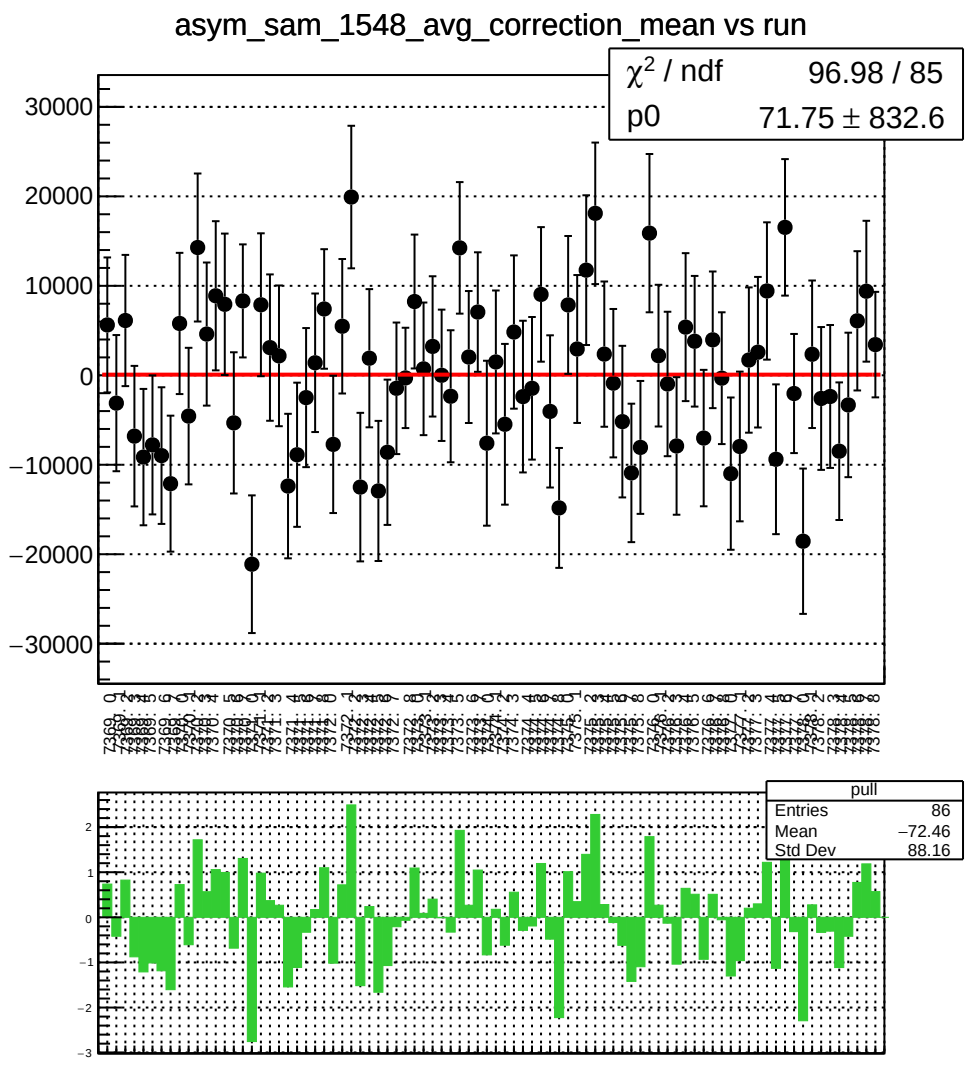

pull1D
Entries 86
Mean −0.0002509
Std Dev 0.9879
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

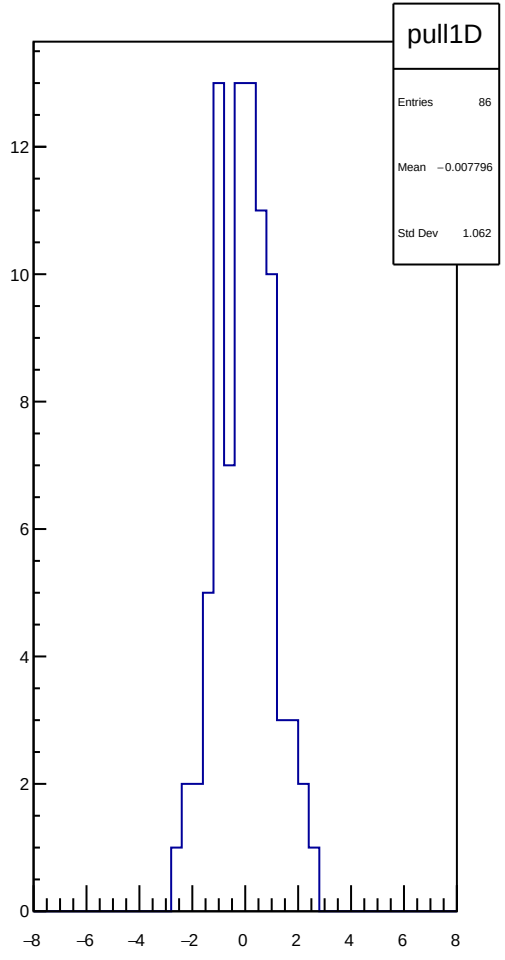

asym_sam_26_48_dd_rms vs run
$\chi^2$ / ndf 5671 / 85
p0 503 ± 0.3947
600
580
560
540
520
500
480
460
440
420

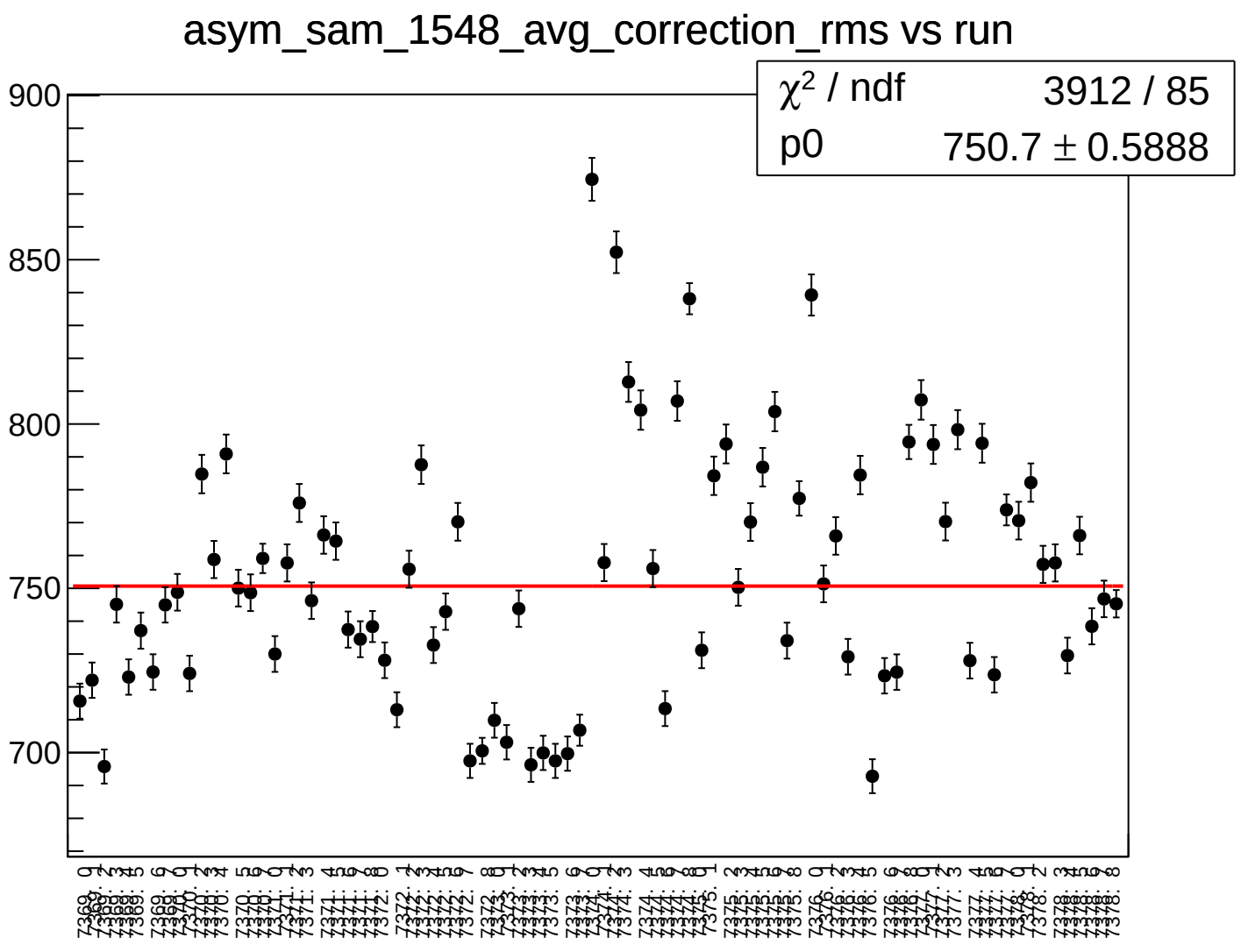

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 89.55 / 85
p0 266.6 ± 254.2
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 87.86
Std Dev 69.8
2
1
0
−1
−2

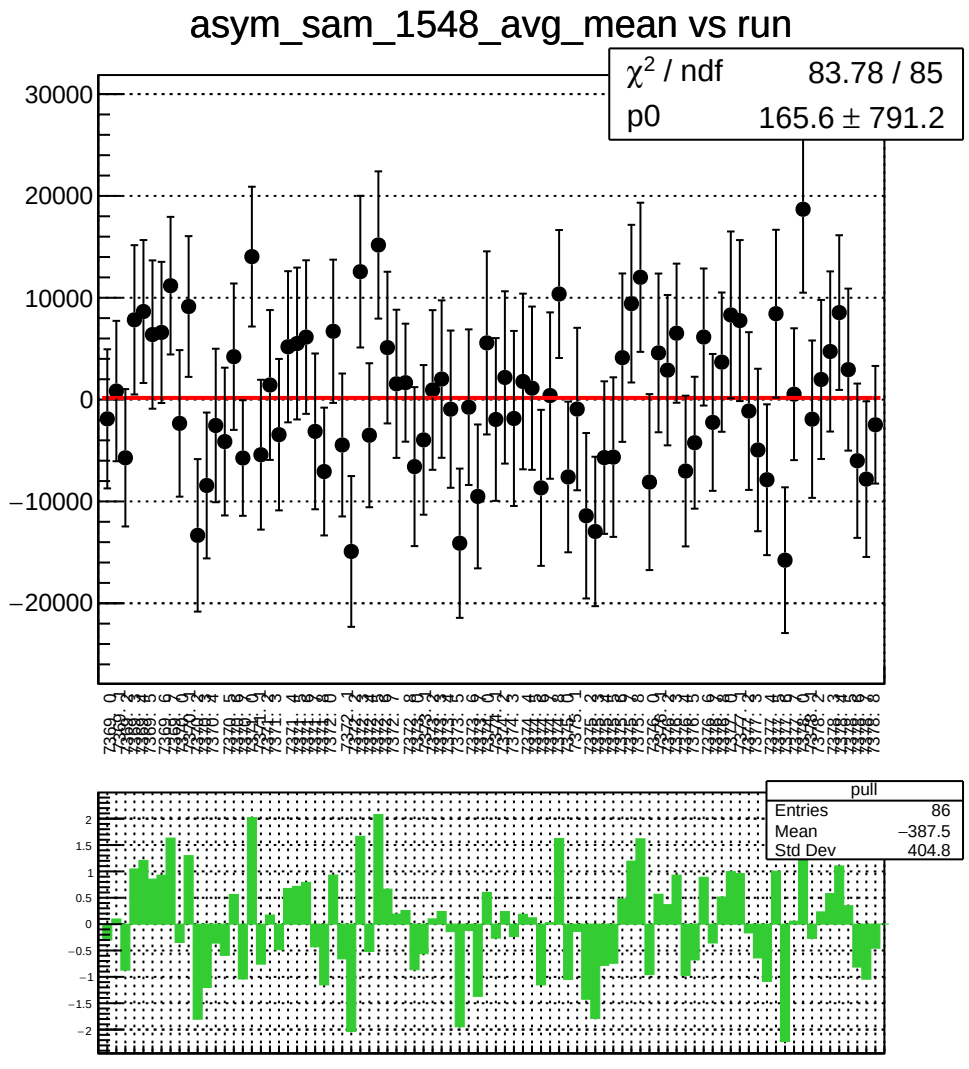

pull1D
Entries 86
Mean −0.01235
Std Dev 1.02
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

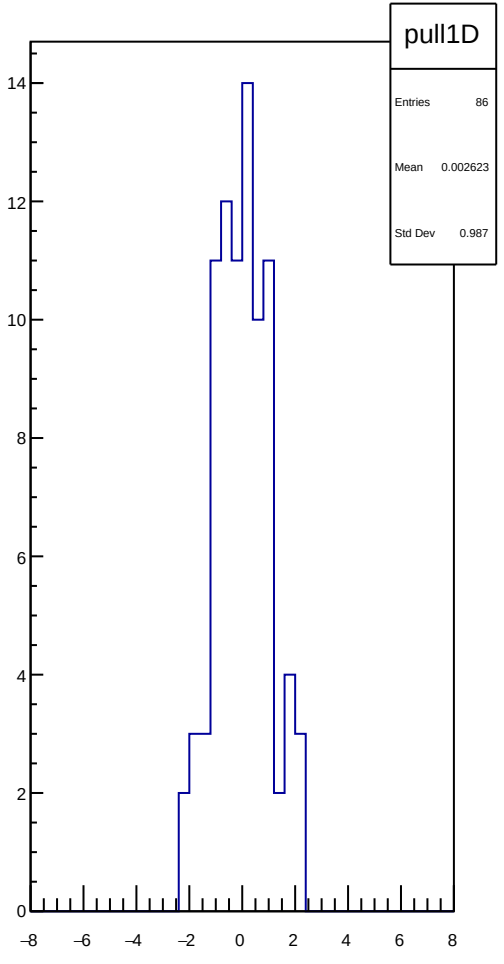

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.106e+05 / 85
p0 221.5 ± 0.1797
400
350
300
250
200
150

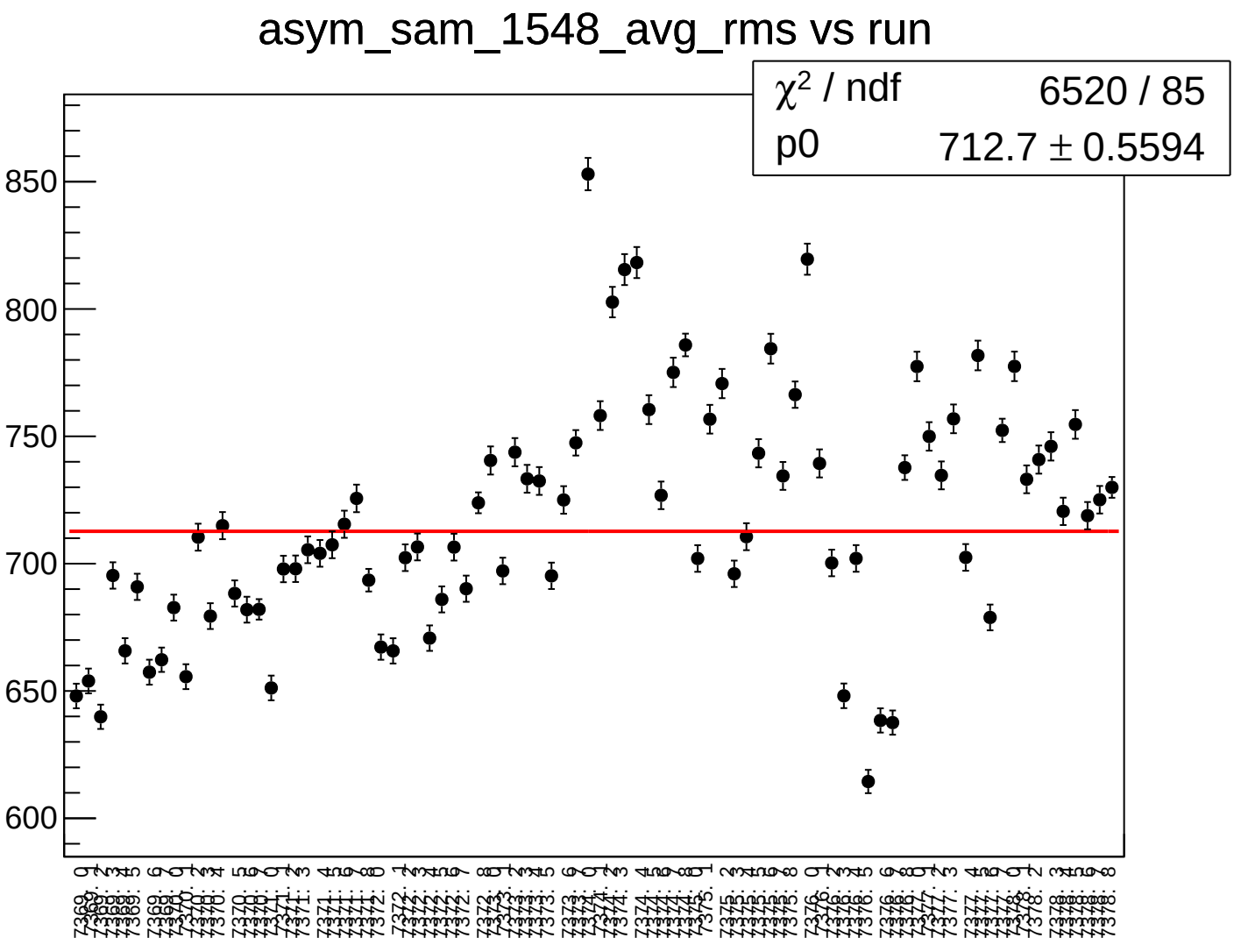

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 96.98 / 85
p0 71.75 ± 832.6
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 86
Mean −72.46
Std Dev 88.16
2
1
0
−1
−2
−3

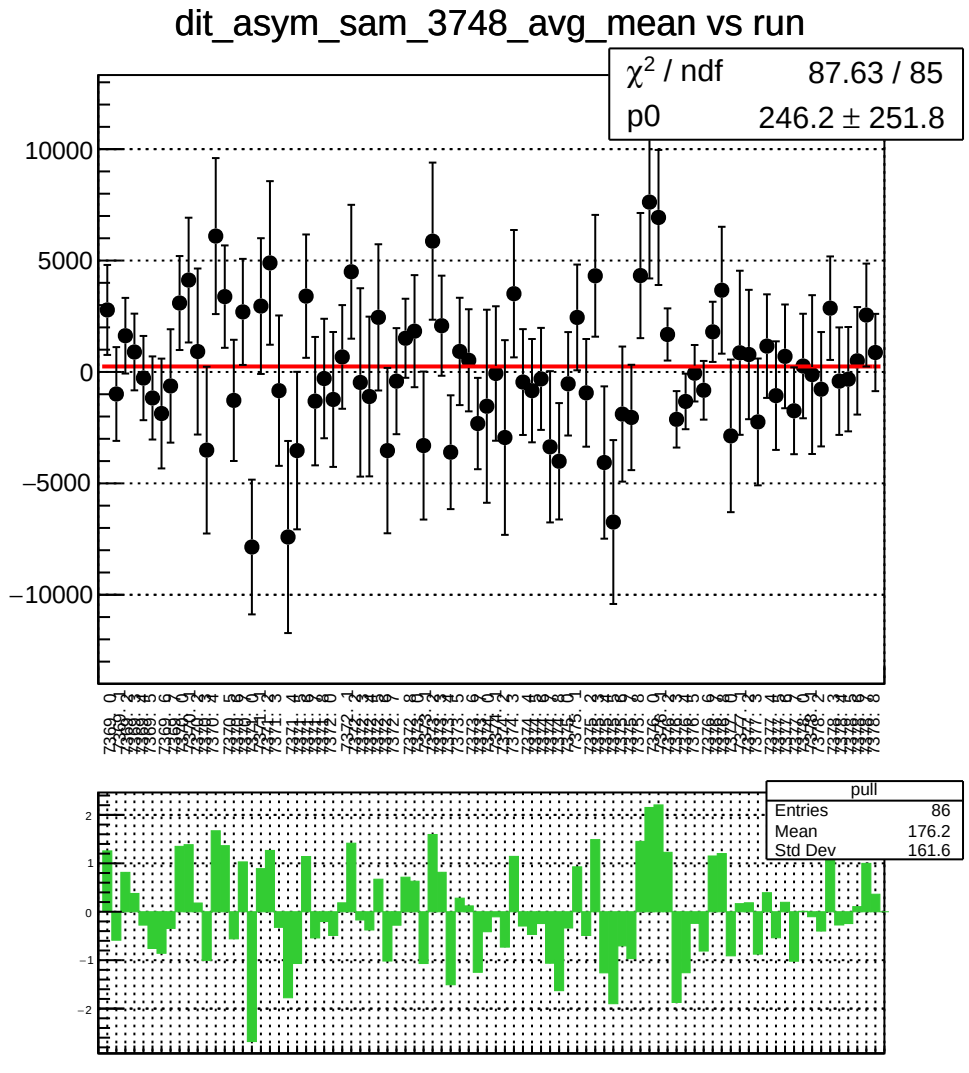

pull1D
Entries 86
Mean −0.007796
Std Dev 1.062
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

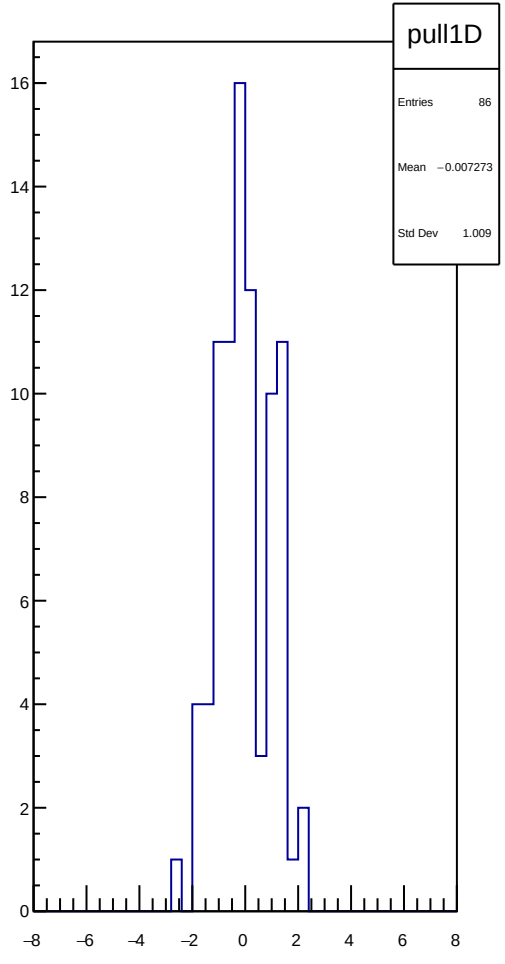

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 3912 / 85
p0 750.7 ± 0.5888
900
850
800
750
700

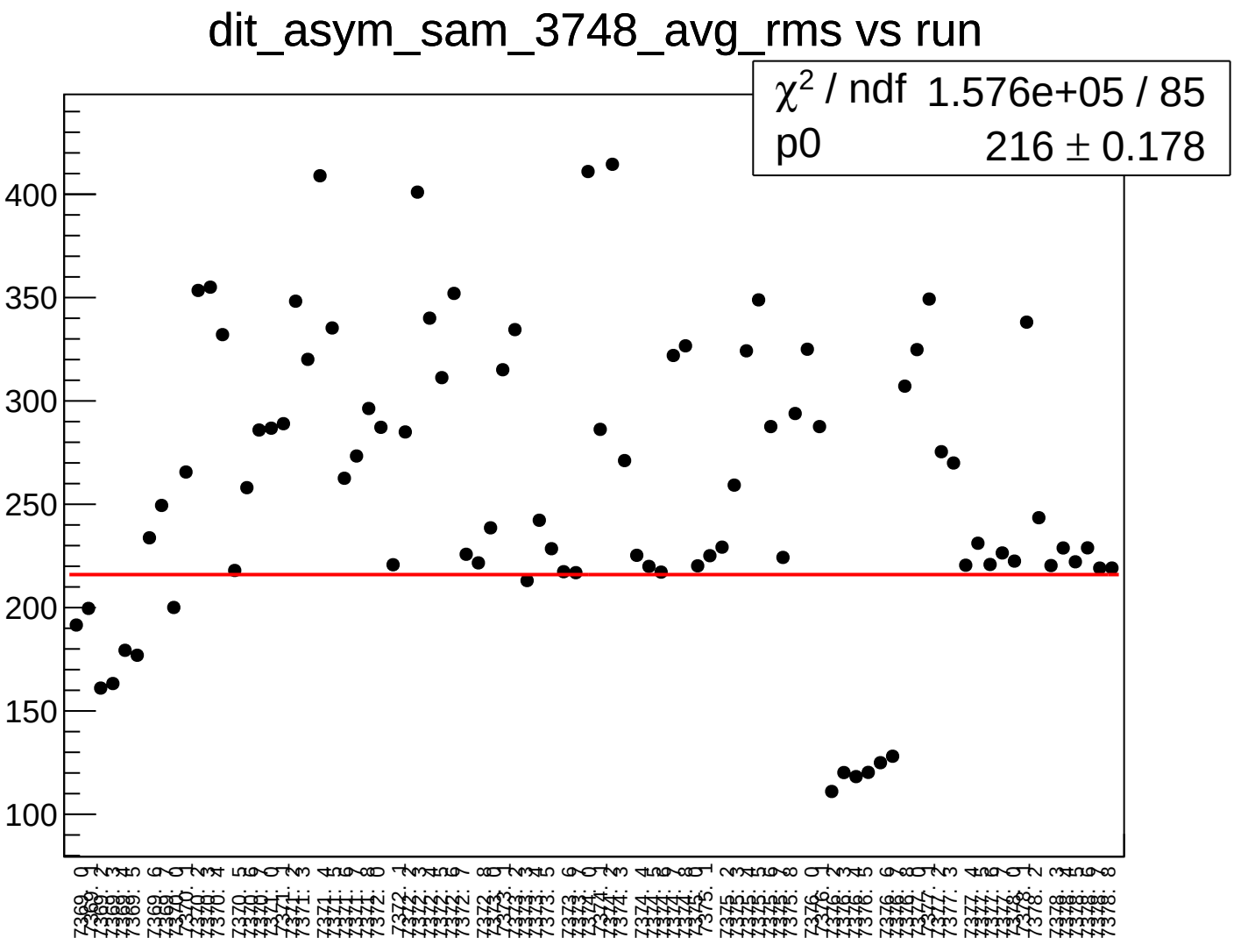

asym_sam_1548_avg_mean vs run
χ² / ndf 83.78 / 85
p0 165.6 ± 791.2
pull
Entries 86
Mean −387.5
Std Dev 404.8

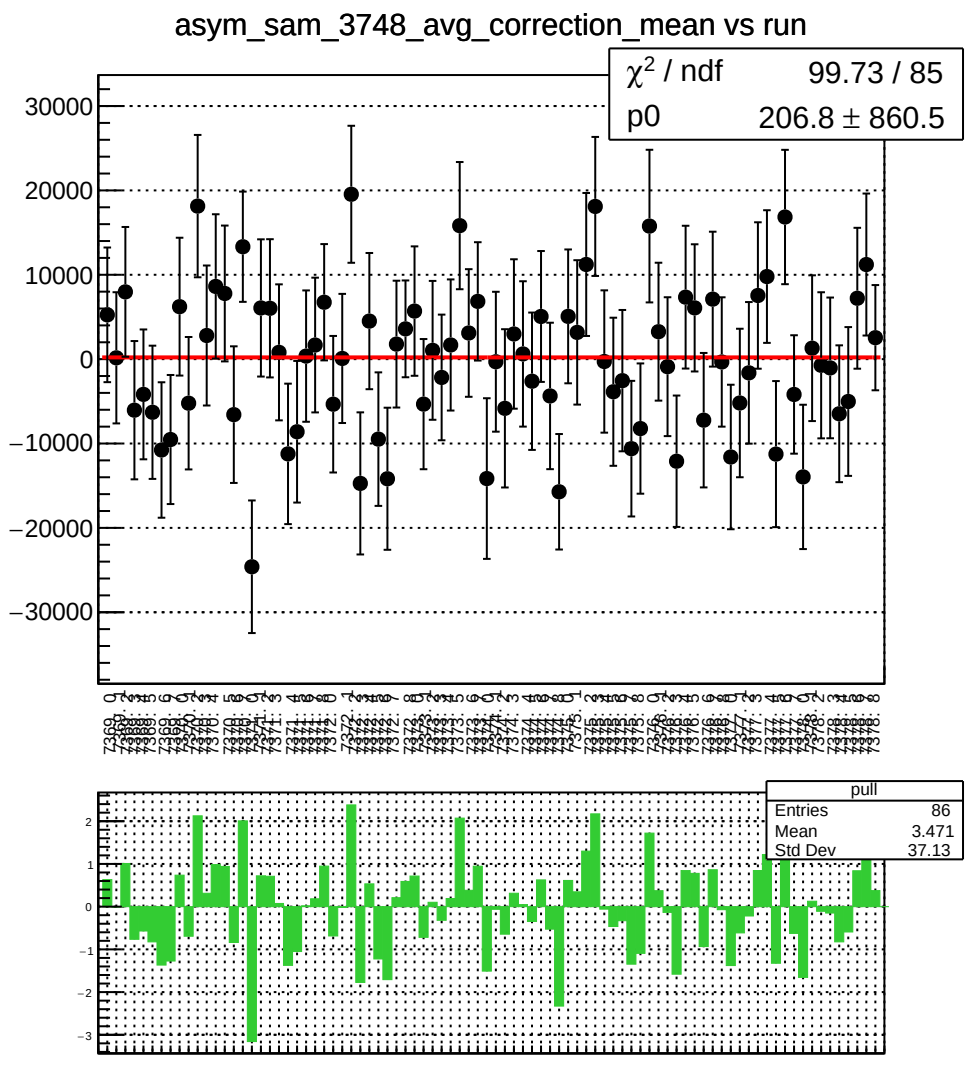

pull1D
Entries 86
Mean 0.002623
Std Dev 0.987

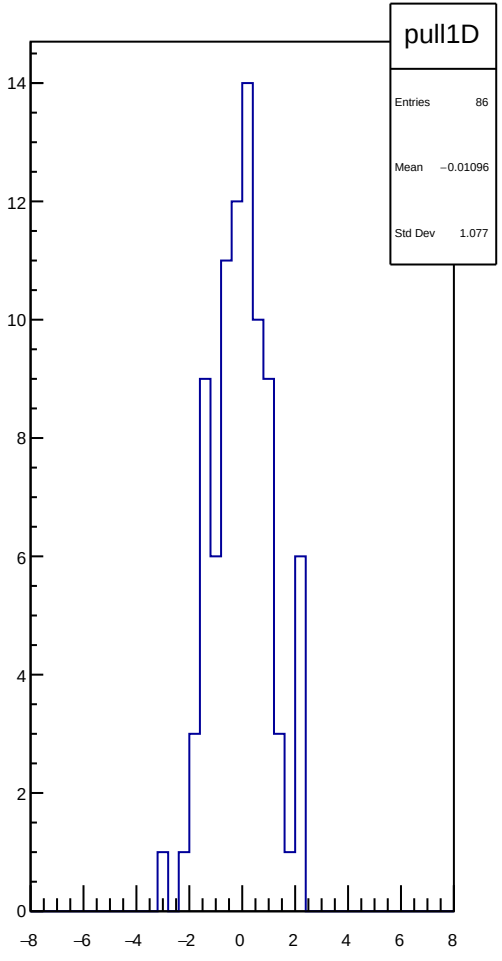

asym_sam_1548_avg_rms vs run
χ² / ndf 6520 / 85
p0 712.7 ± 0.5594
850
800
750
700
650
600

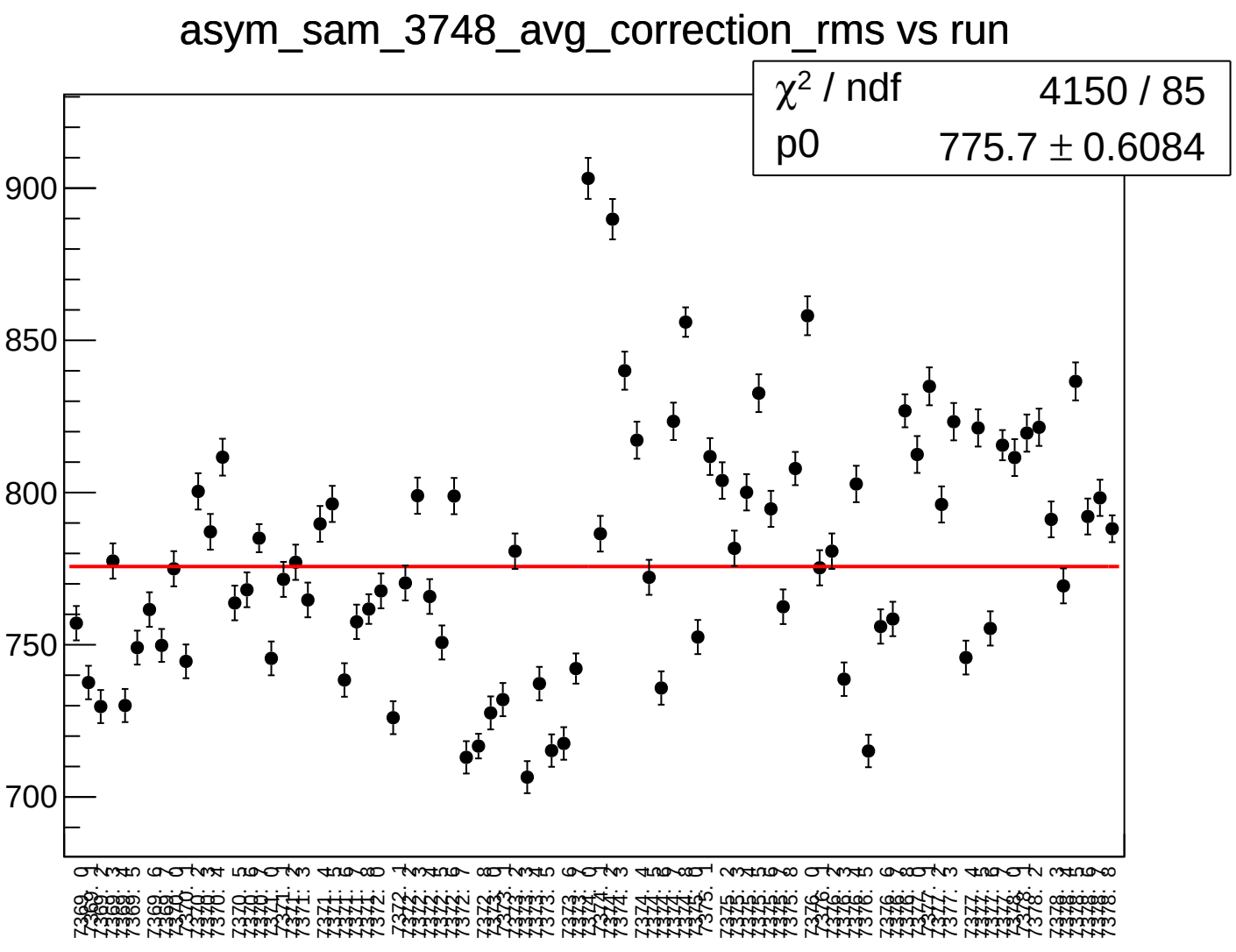

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 87.63 / 85
p0 246.2 ± 251.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 176.2
Std Dev 161.6
2
1
0
−1
−2

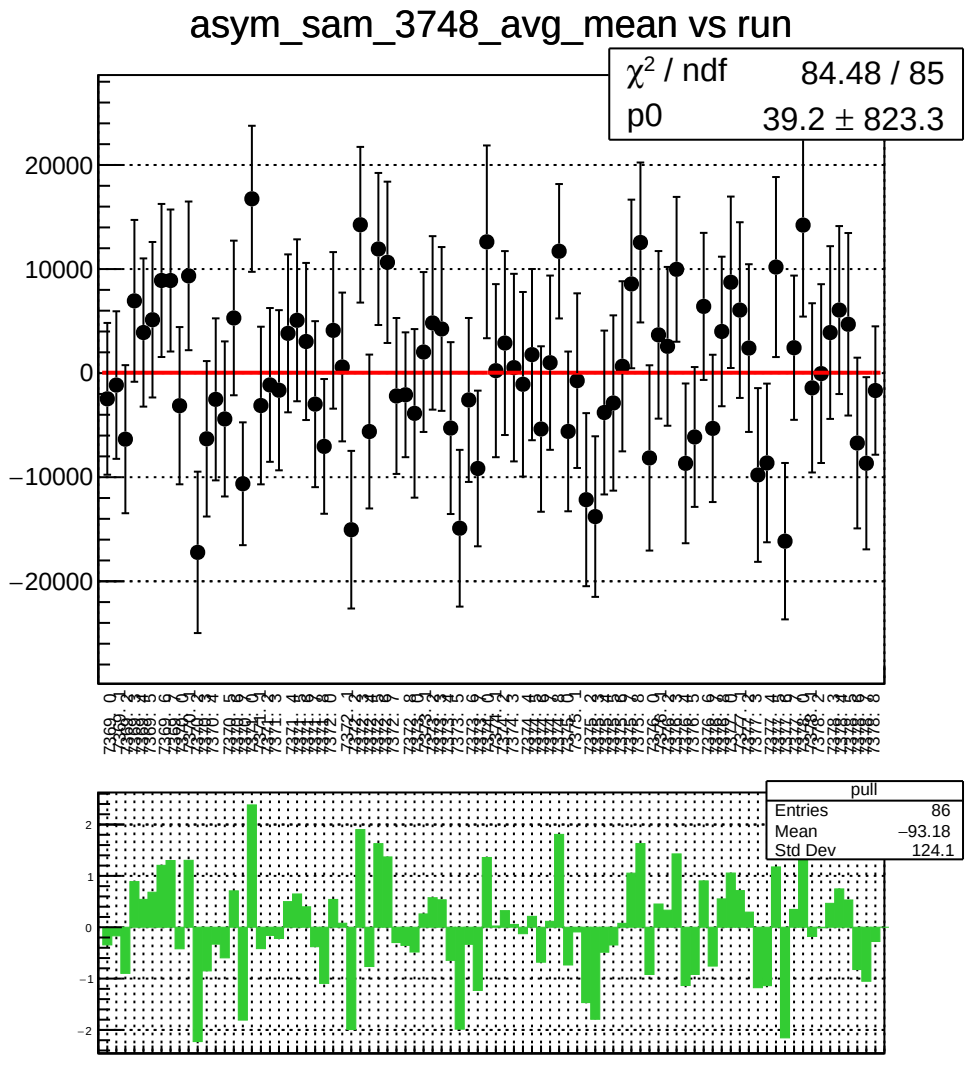

pull1D
Entries 86
Mean −0.007273
Std Dev 1.009
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

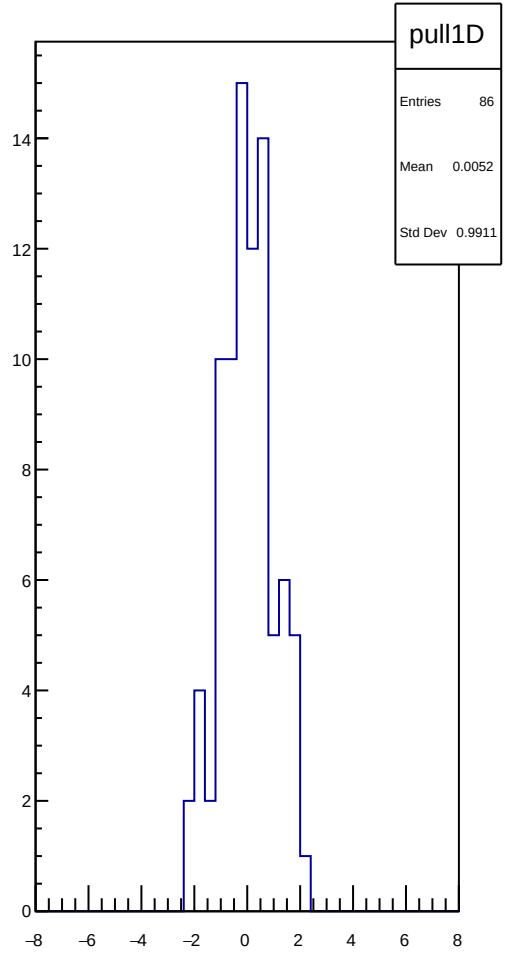

dit_asym_sam_3748_avg_rms vs run
$\chi^2$ / ndf 1.576e+05 / 85
p0 216 ± 0.178
400
350
300
250
200
150
100

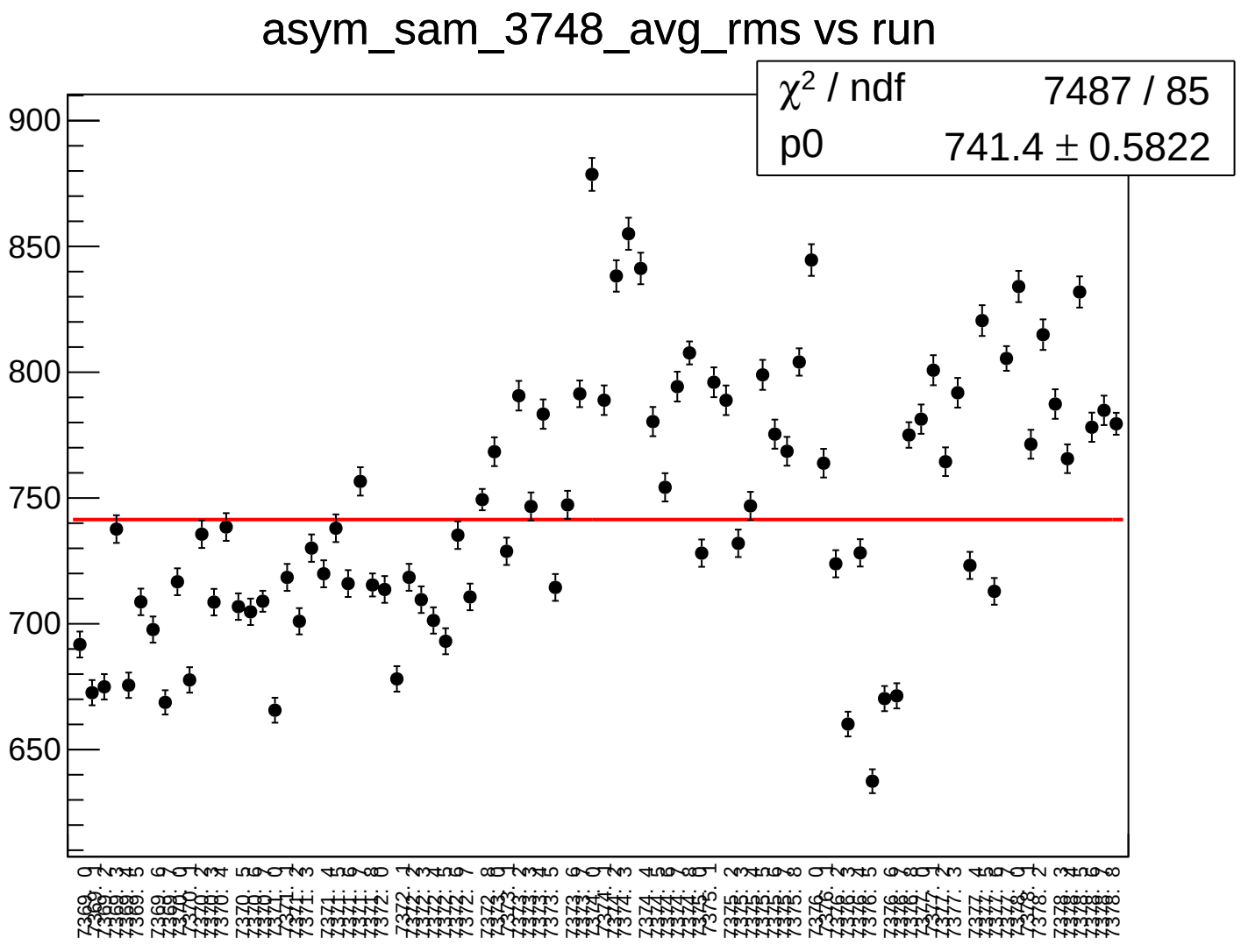

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 99.73 / 85
p0 206.8 ± 860.5
pull
Entries 86
Mean 3.471
Std Dev 37.13

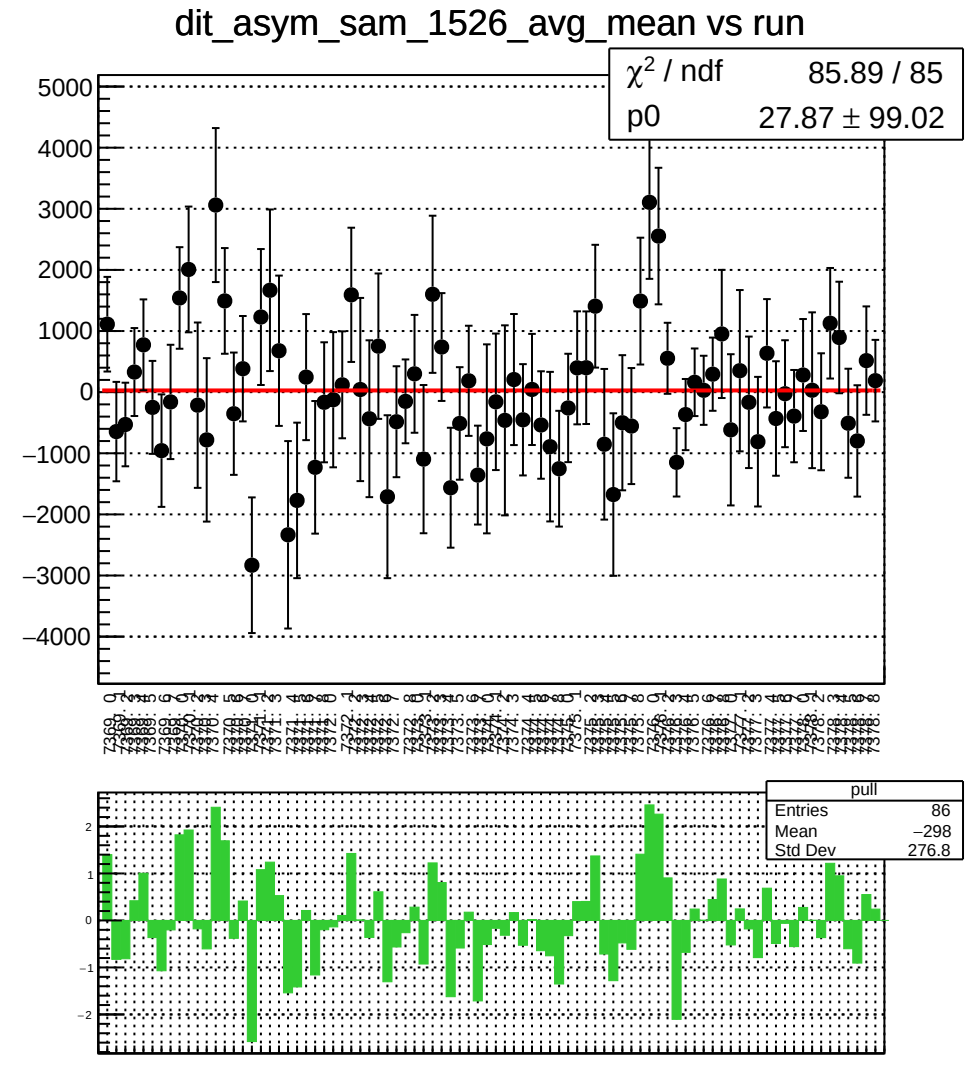

pull1D
Entries 86
Mean −0.01096
Std Dev 1.077

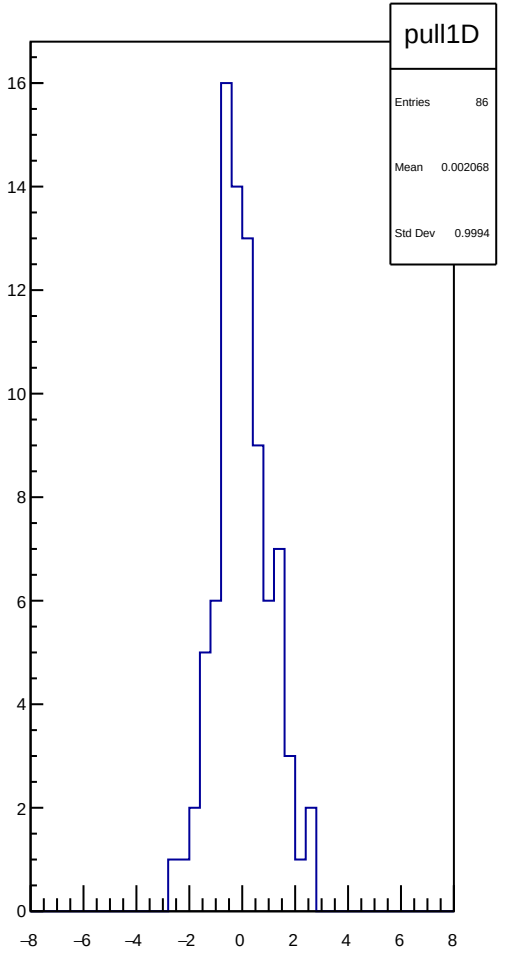

asym_sam_3748_avg_correction_rms vs run
χ² / ndf 4150 / 85
p0 775.7 ± 0.6084
900
850
800
750
700

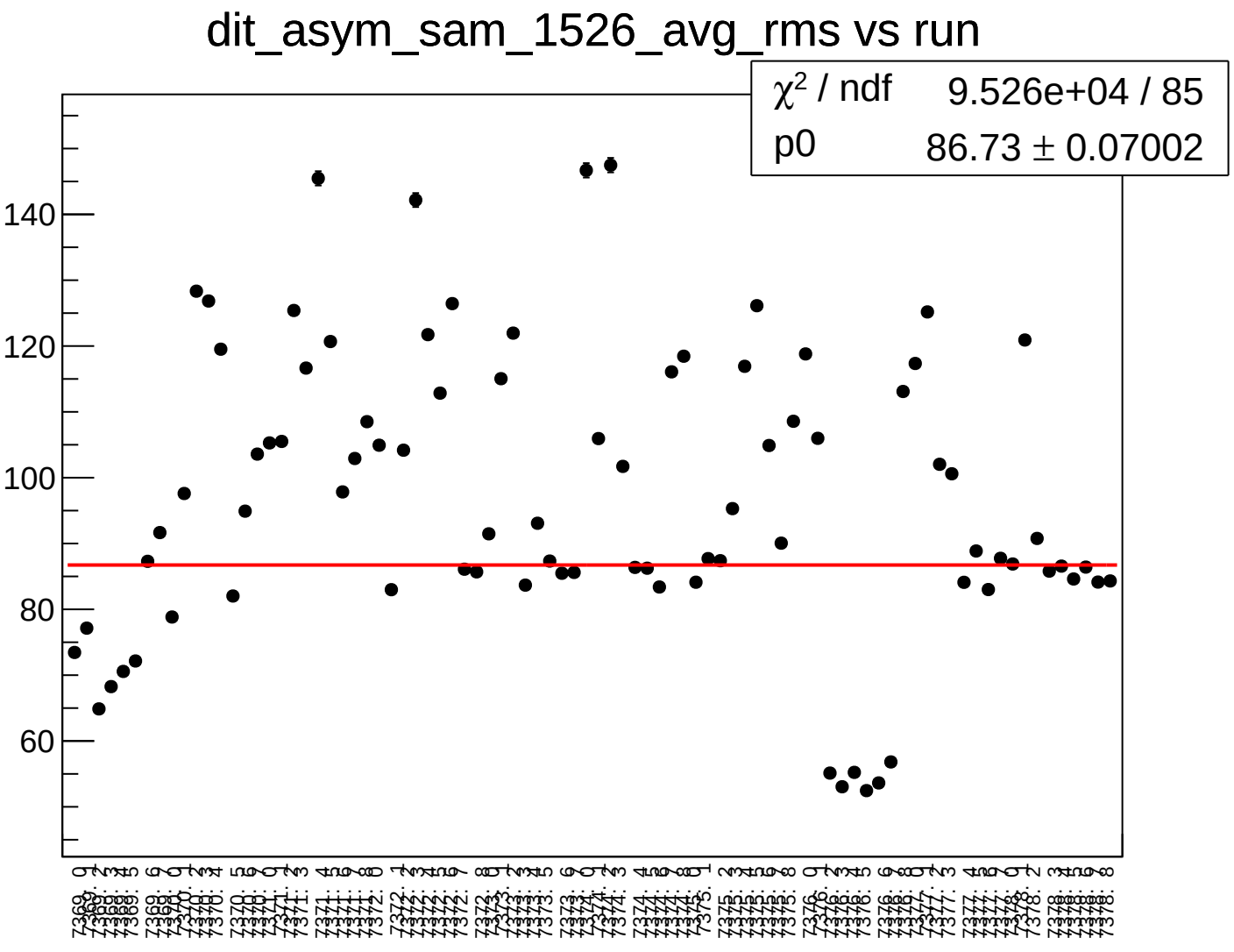

asym_sam_3748_avg_mean vs run
χ² / ndf 84.48 / 85
p0 39.2 ± 823.3
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −93.18
Std Dev 124.1
2
1
0
−1
−2

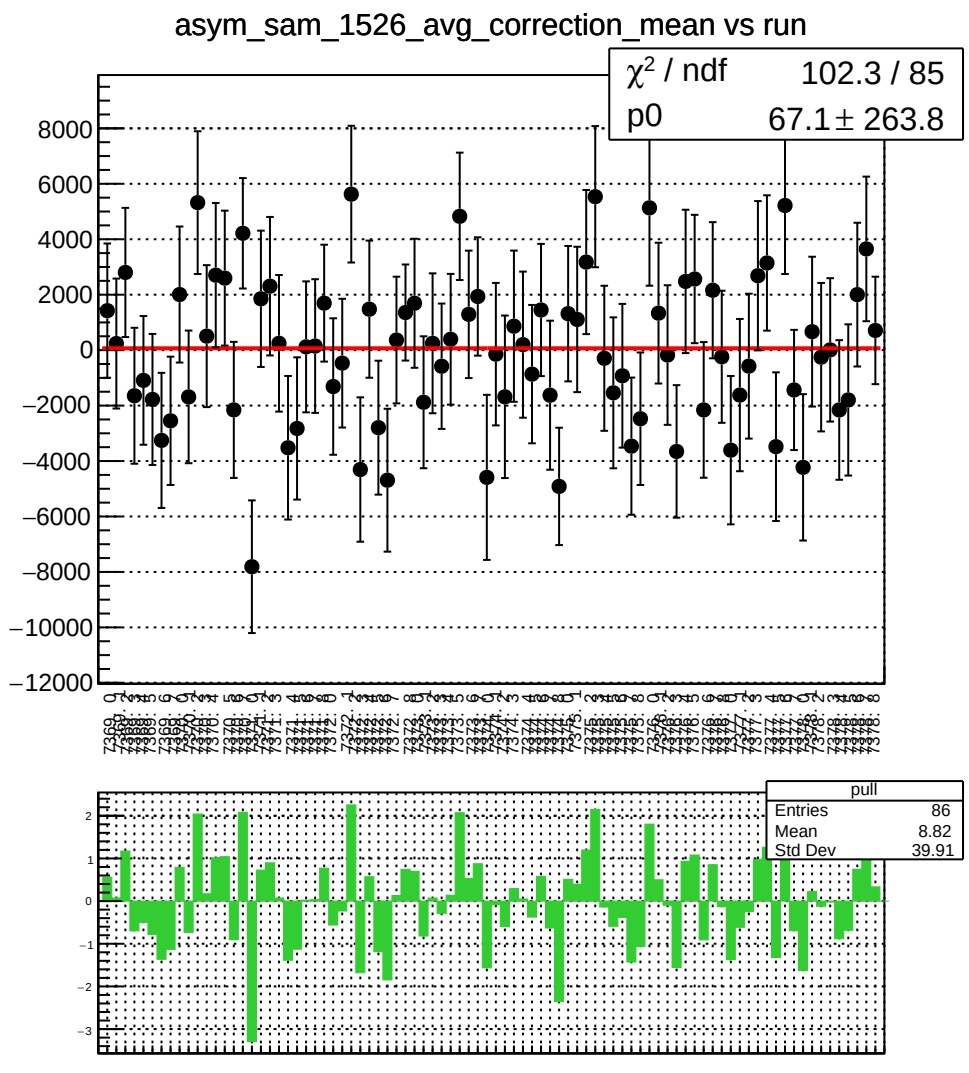

pull1D
Entries 86
Mean 0.0052
Std Dev 0.9911
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

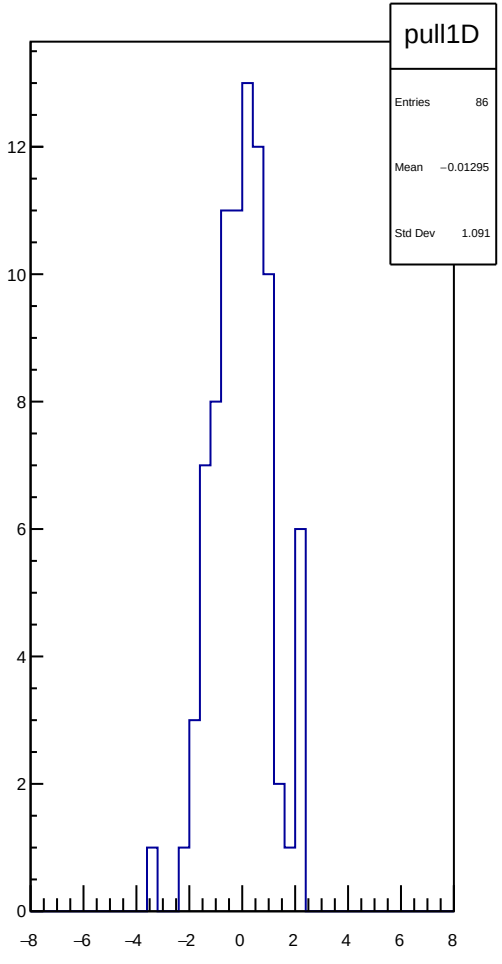

asym_sam_3748_avg_rms vs run
χ² / ndf 7487 / 85
p0 741.4 ± 0.5822
900
850
800
750
700
650

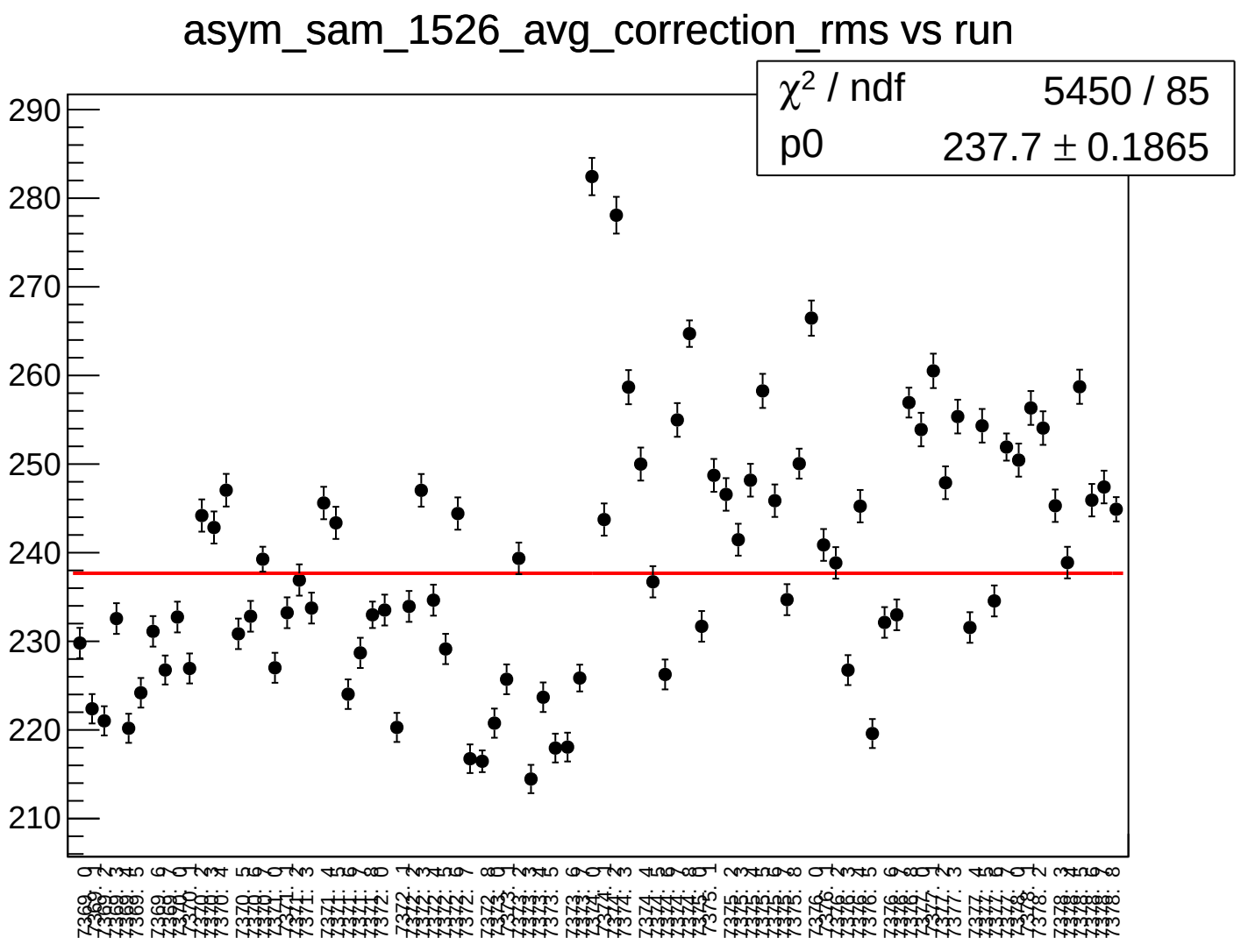

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 85.89 / 85
p0 27.87 ± 99.02
pull
Entries 86
Mean −298
Std Dev 276.8

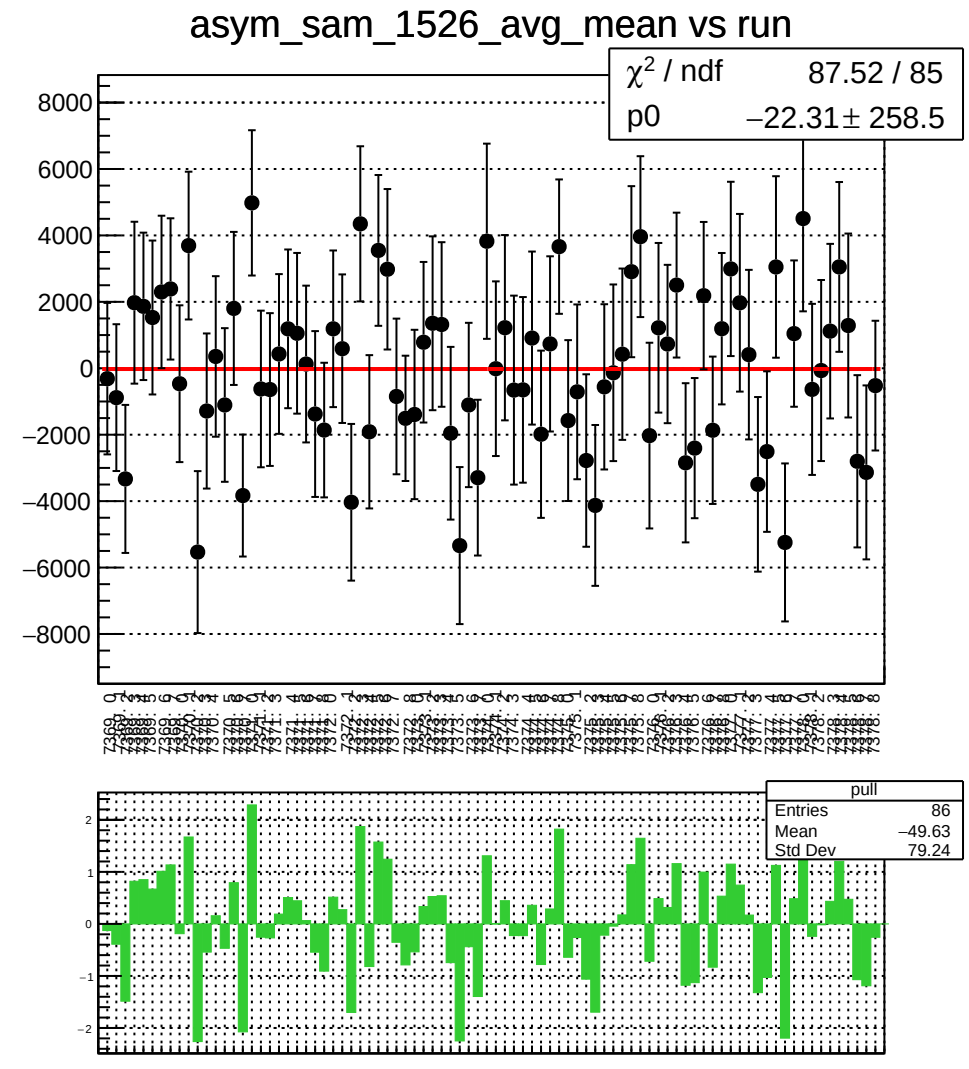

pull1D
Entries 86
Mean 0.002068
Std Dev 0.9994

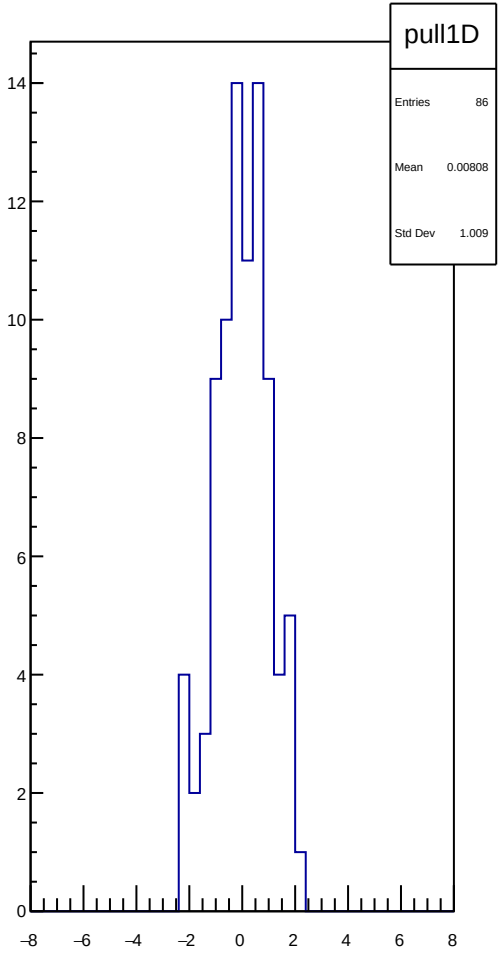

dit_asym_sam_1526_avg_rms vs run
$\chi^2$ / ndf 9.526e+04 / 85
p0 86.73 ± 0.07002
140
120
100
80
60

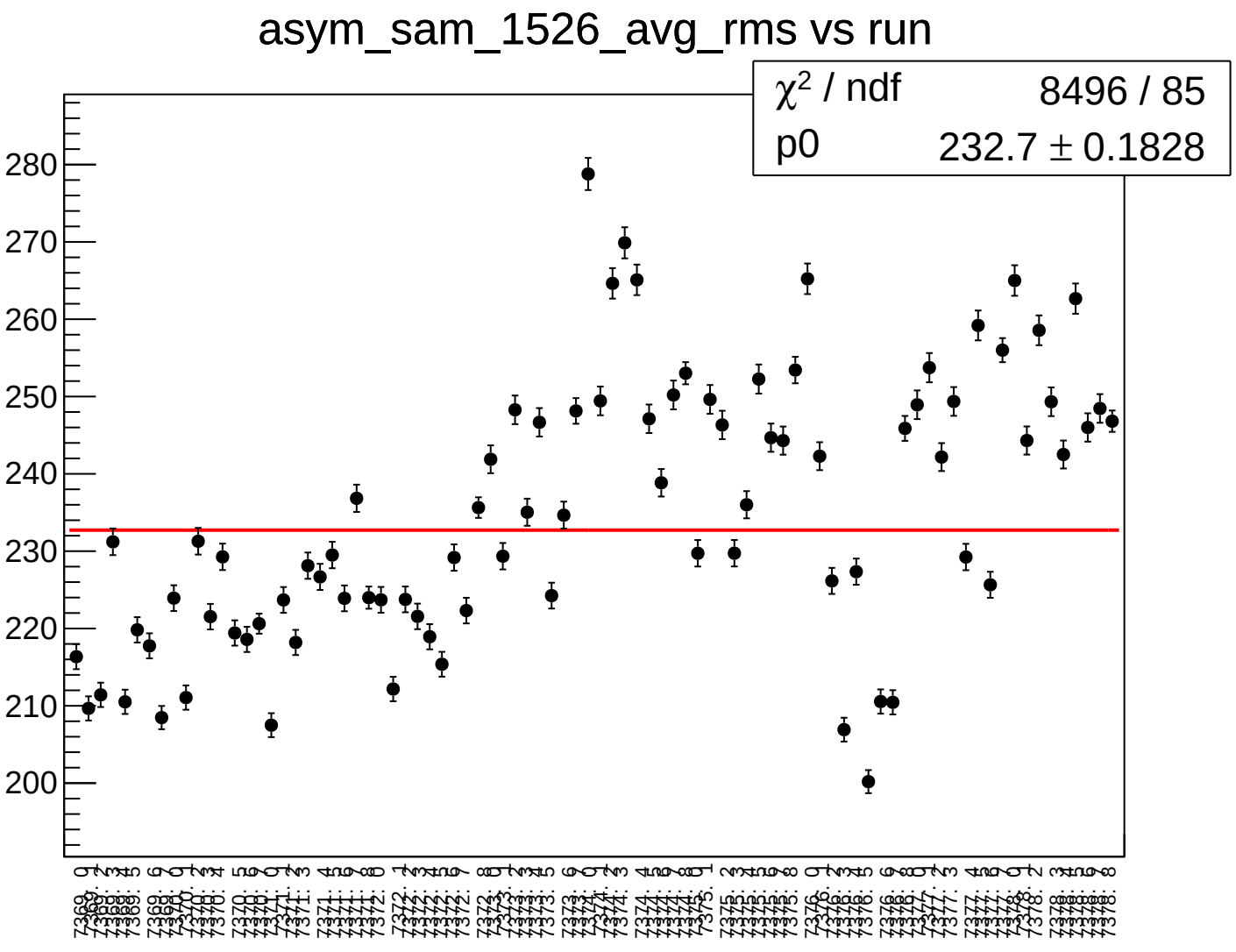

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 102.3 / 85
p0 67.1 ± 263.8
pull
Entries 86
Mean 8.82
Std Dev 39.91

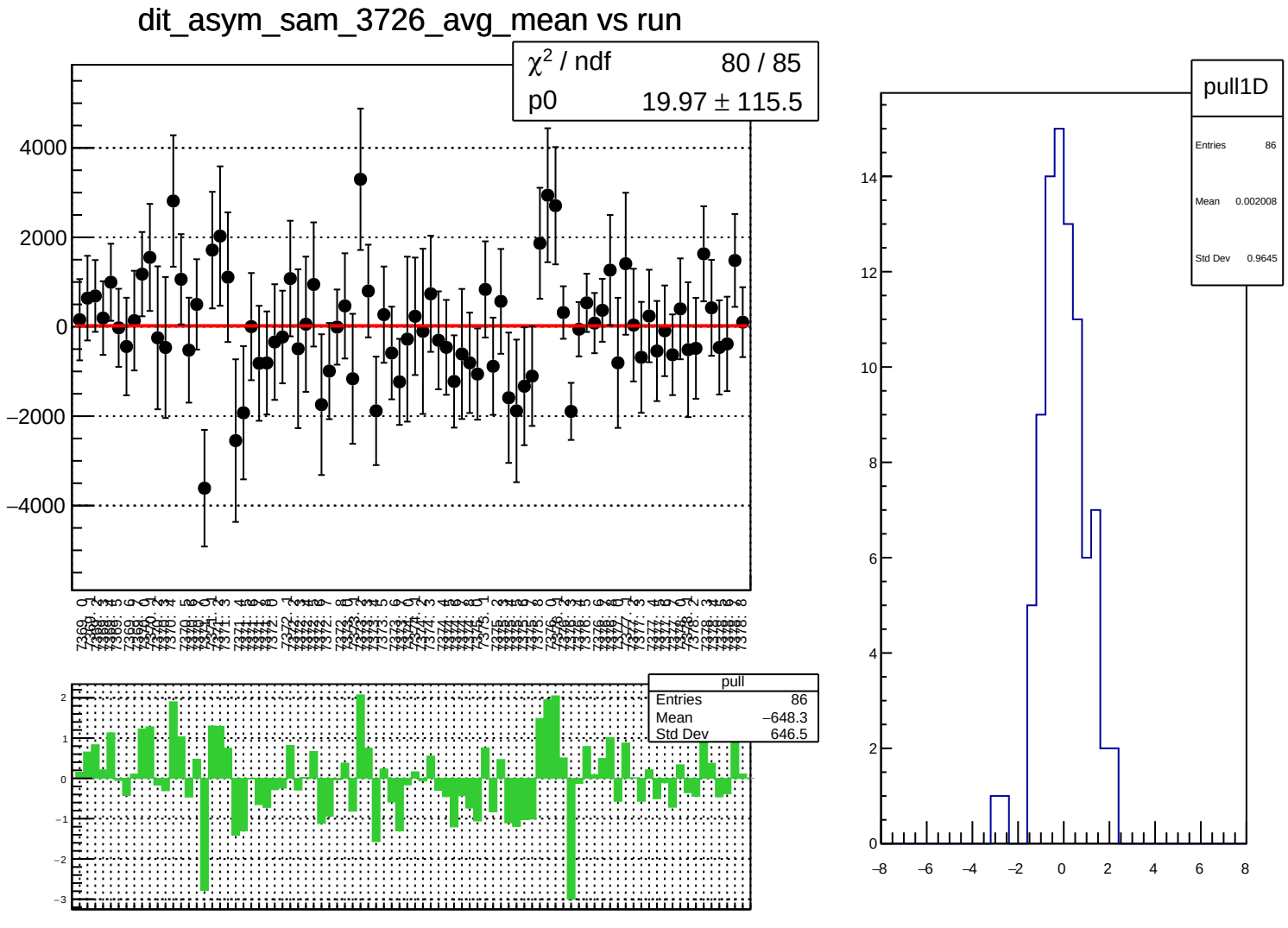

pull1D
Entries 86
Mean −0.01295
Std Dev 1.091

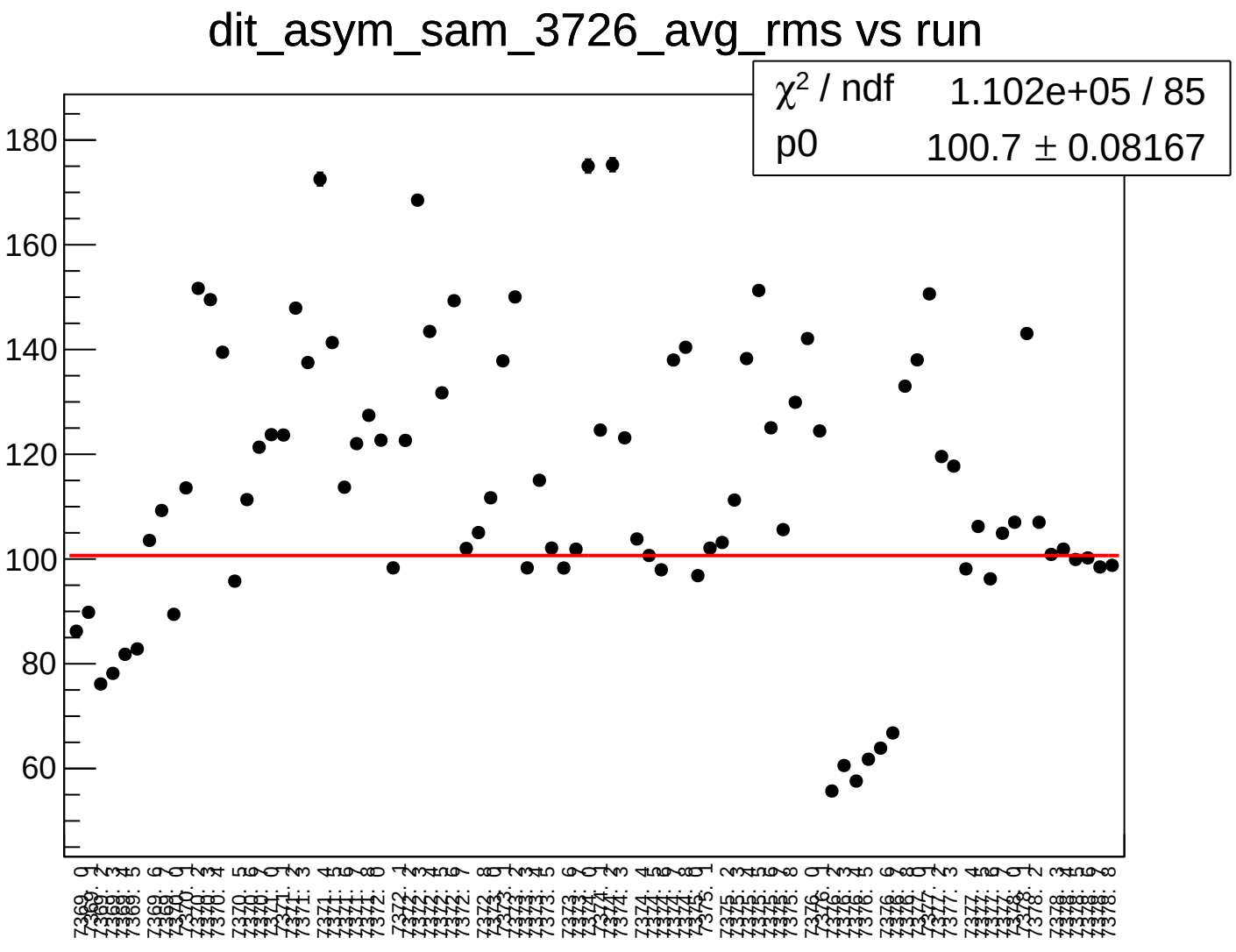

asym_sam_1526_avg_correction_rms vs run
χ² / ndf 5450 / 85
p0 237.7 ± 0.1865
290
280
270
260
250
240
230
220
210

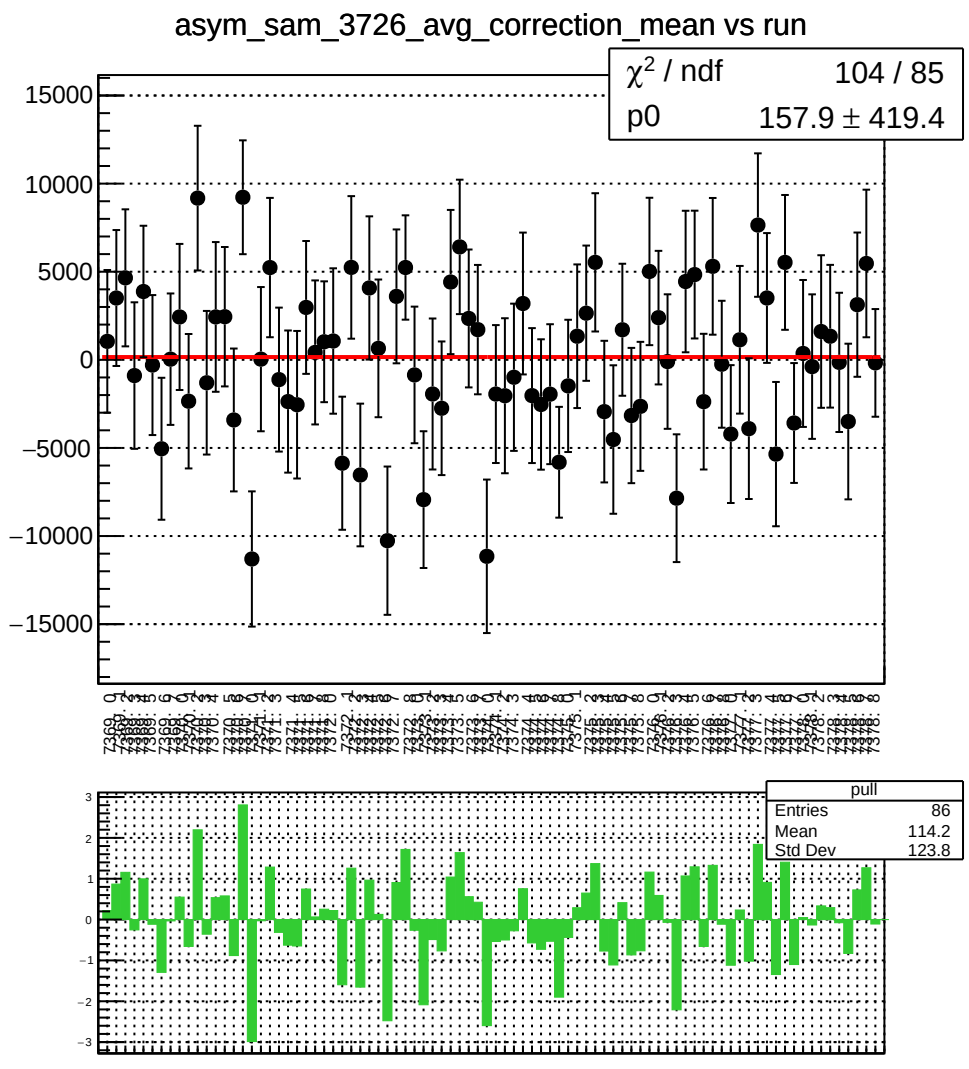

asym_sam_1526_avg_mean vs run
χ² / ndf 87.52 / 85
p0 −22.31 ± 258.5
pull
Entries 86
Mean −49.63
Std Dev 79.24

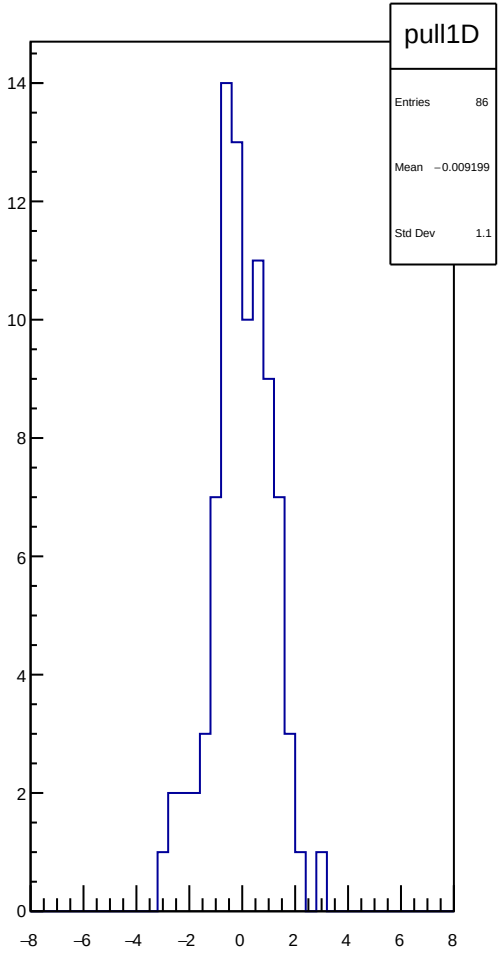

pull1D
Entries 86
Mean 0.00808
Std Dev 1.009

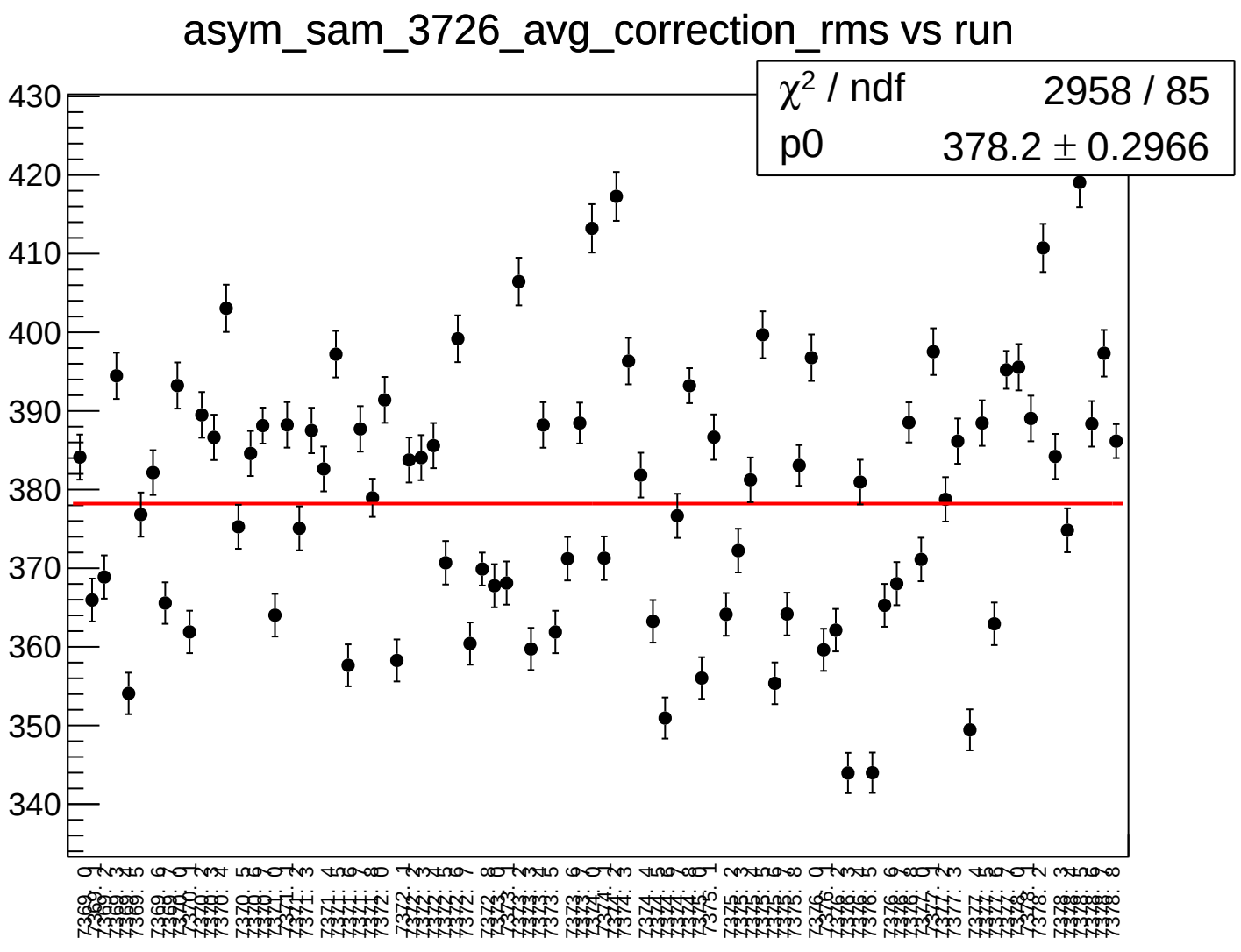

asym_sam_1526_avg_rms vs run
$\chi^2$ / ndf 8496 / 85
p0 232.7 ± 0.1828
280
270
260
250
240
230
220
210
200

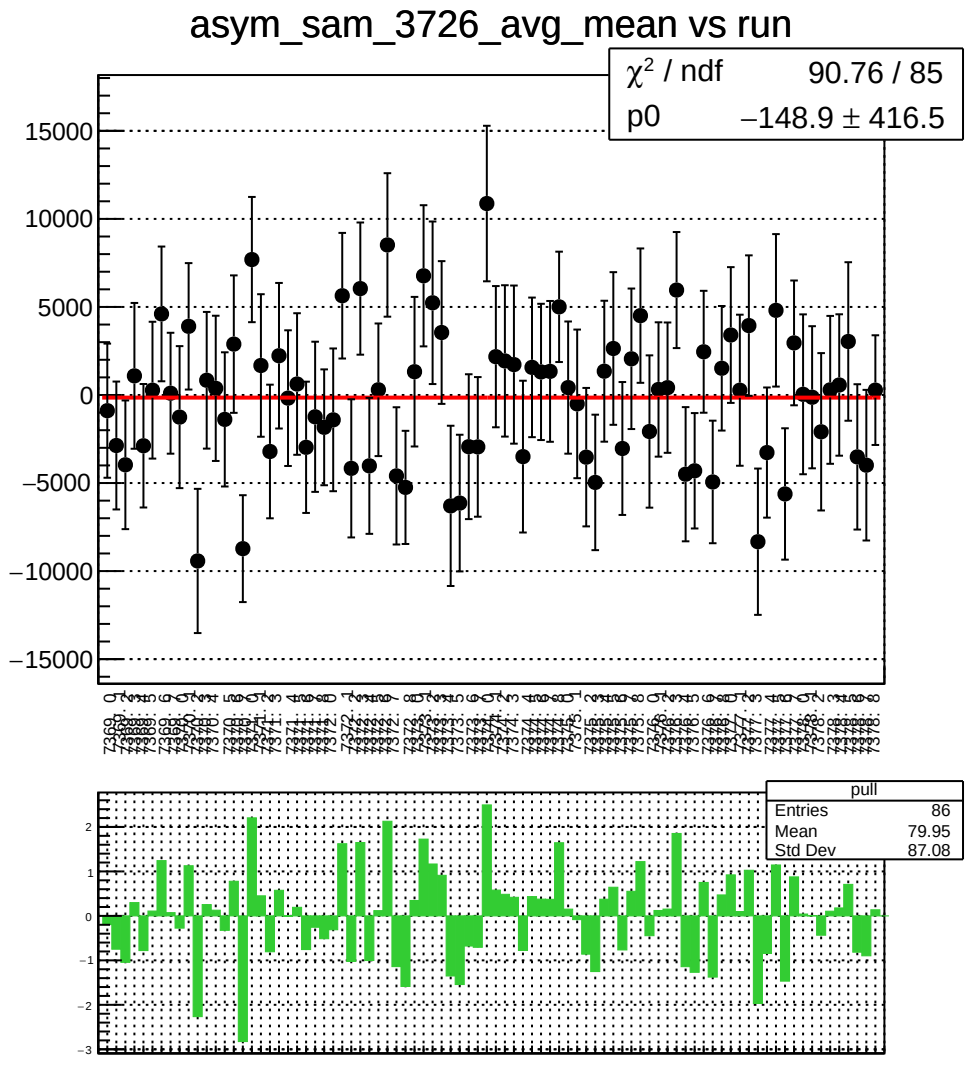

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 80 / 85
p0 19.97 ± 115.5
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −648.3
Std Dev 646.5
pull1D
Entries 86
Mean 0.002008
Std Dev 0.9645

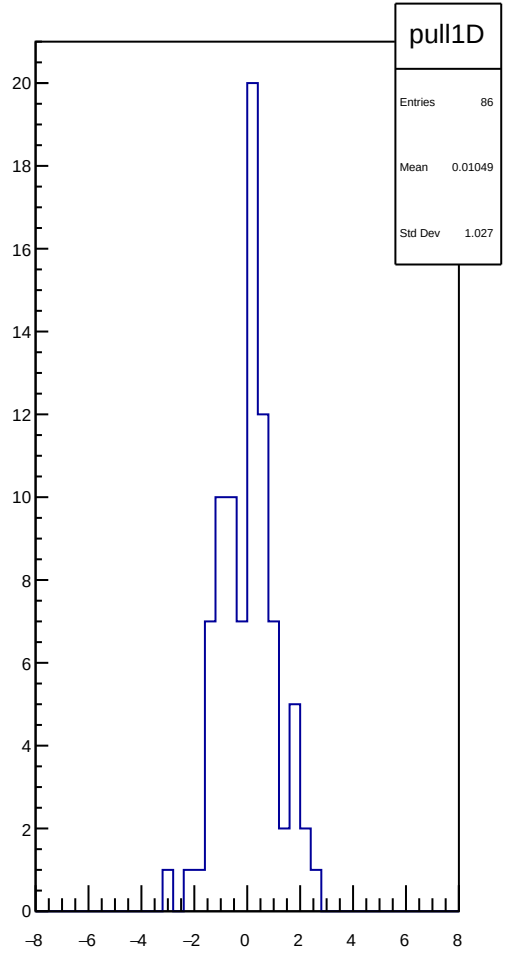

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.102e+05 / 85
p0 100.7 ± 0.08167
180
160
140
120
100
80
60

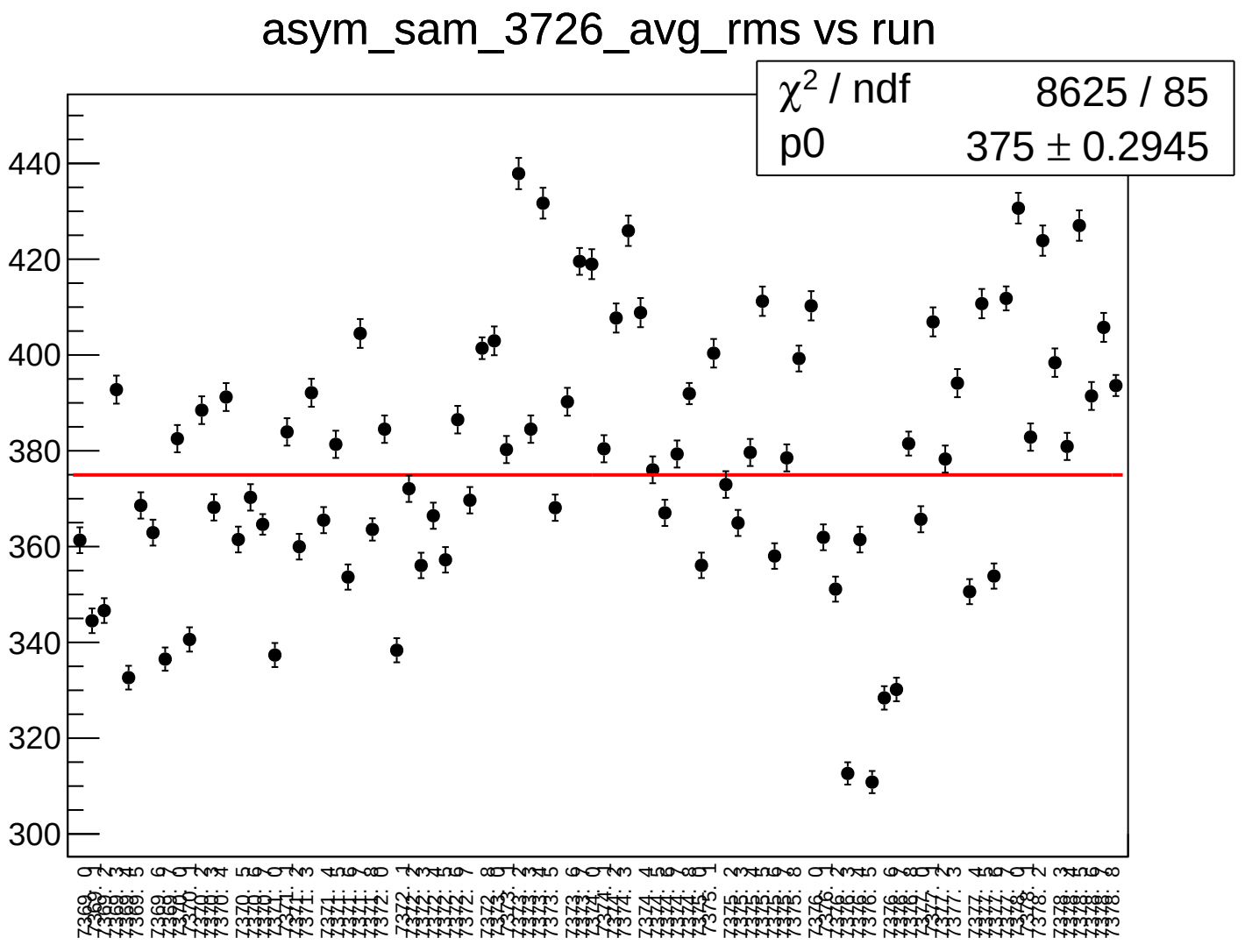

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 104 / 85
p0 157.9 ± 419.4
pull
Entries 86
Mean 114.2
Std Dev 123.8

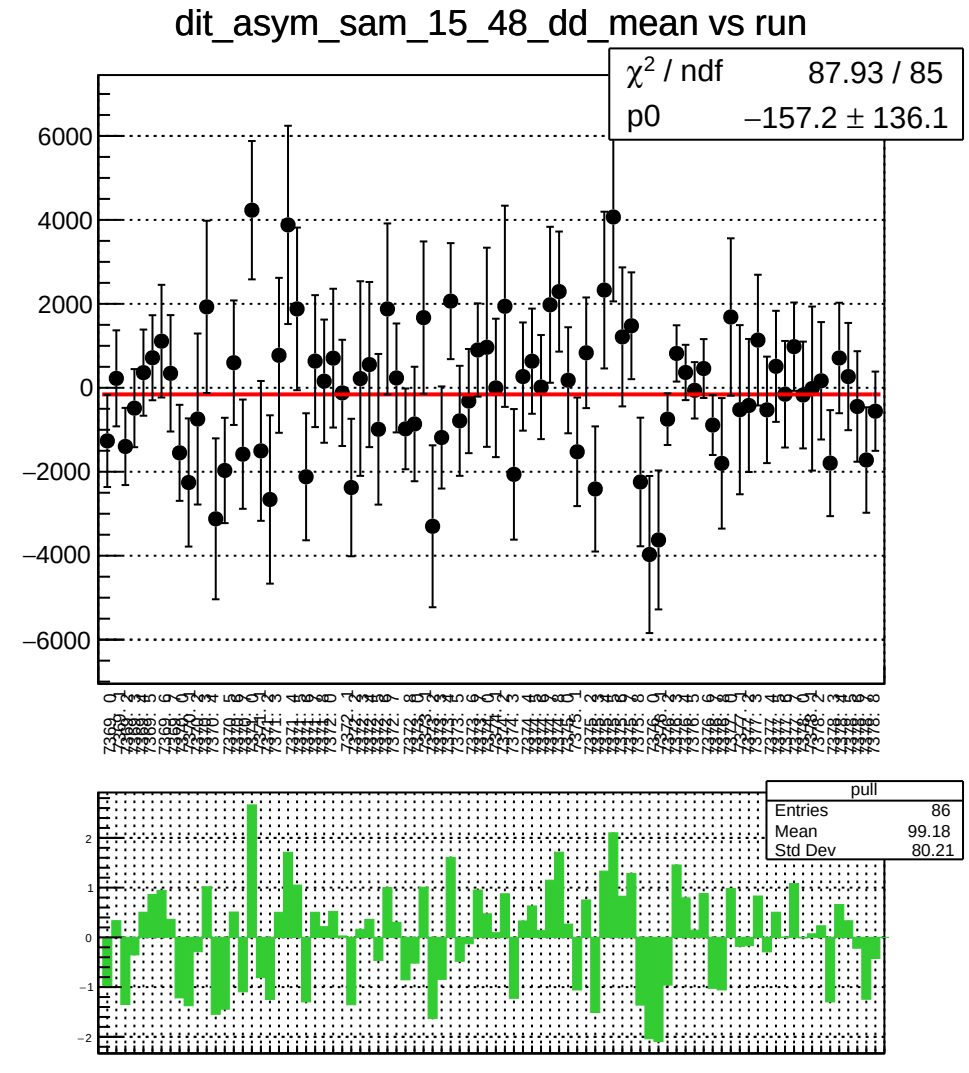

pull1D
Entries 86
Mean −0.009199
Std Dev 1.1

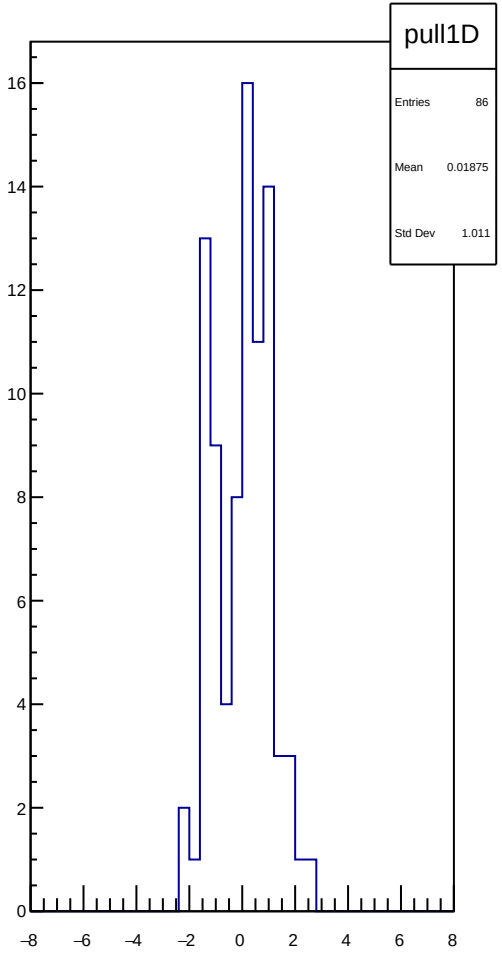

asym_sam_3726_avg_correction_rms vs run
$\chi^2$ / ndf 2958 / 85
p0 378.2 ± 0.2966
430
420
410
400
390
380
370
360
350
340

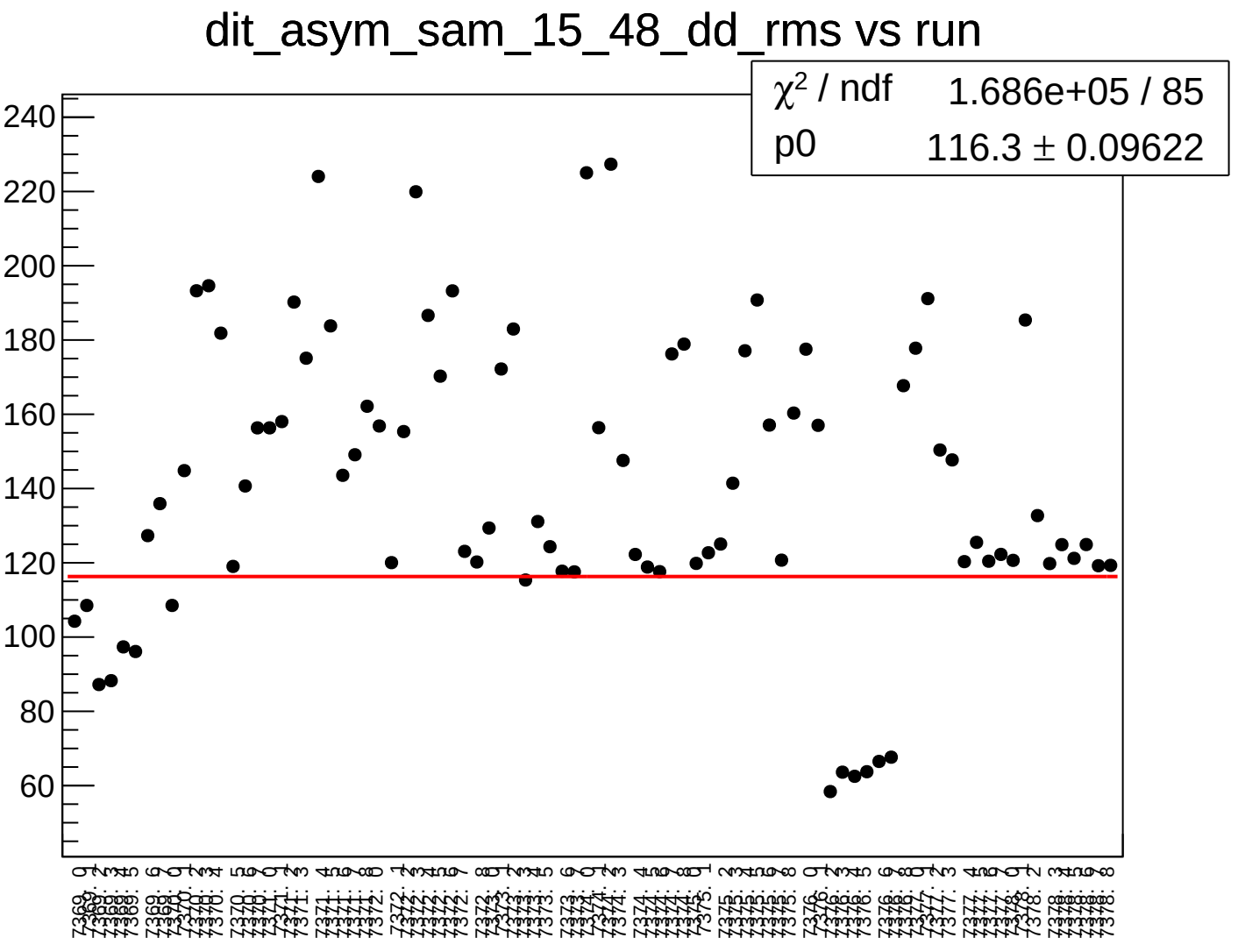

asym_sam_3726_avg_mean vs run
χ² / ndf 90.76 / 85
p0 −148.9 ± 416.5
pull
Entries 86
Mean 79.95
Std Dev 87.08

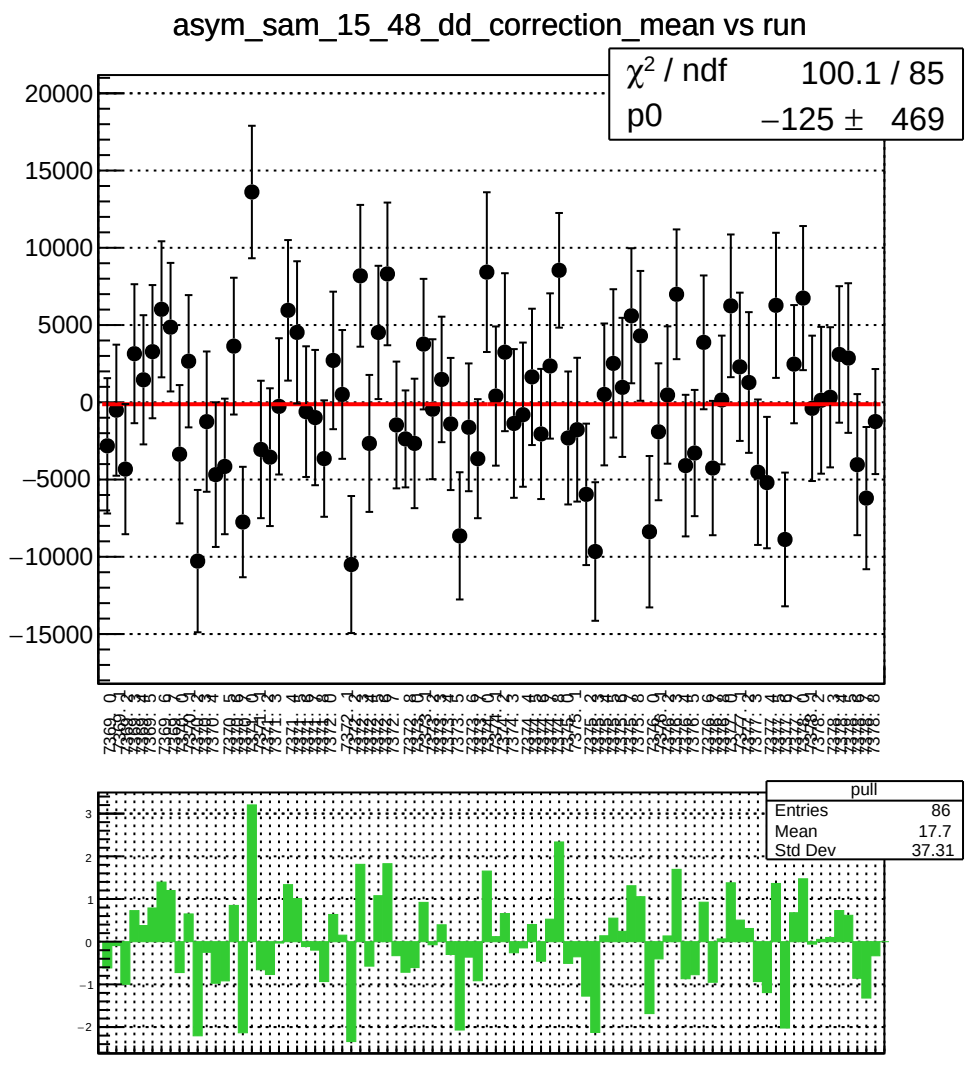

pull1D
Entries 86
Mean 0.01049
Std Dev 1.027

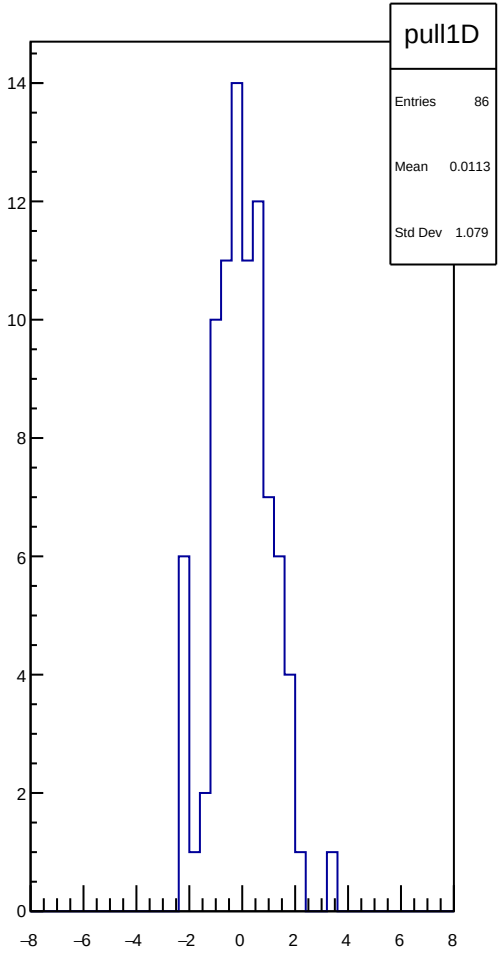

asym_sam_3726_avg_rms vs run
$\chi^2$ / ndf 8625 / 85
p0 375 ± 0.2945
440
420
400
380
360
340
320
300

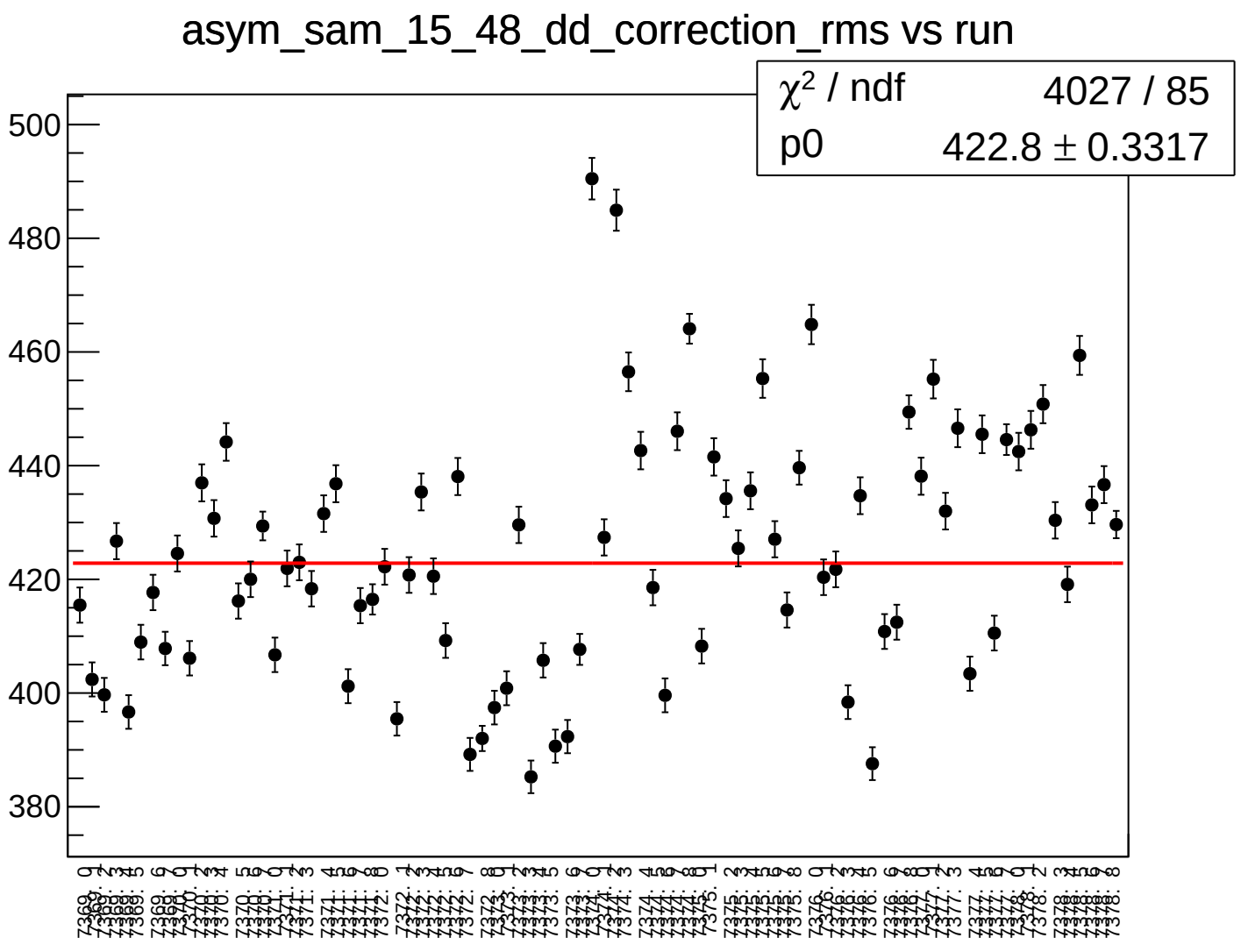

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 87.93 / 85
p0 −157.2 ± 136.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 99.18
Std Dev 80.21
2
1
0
−1
−2

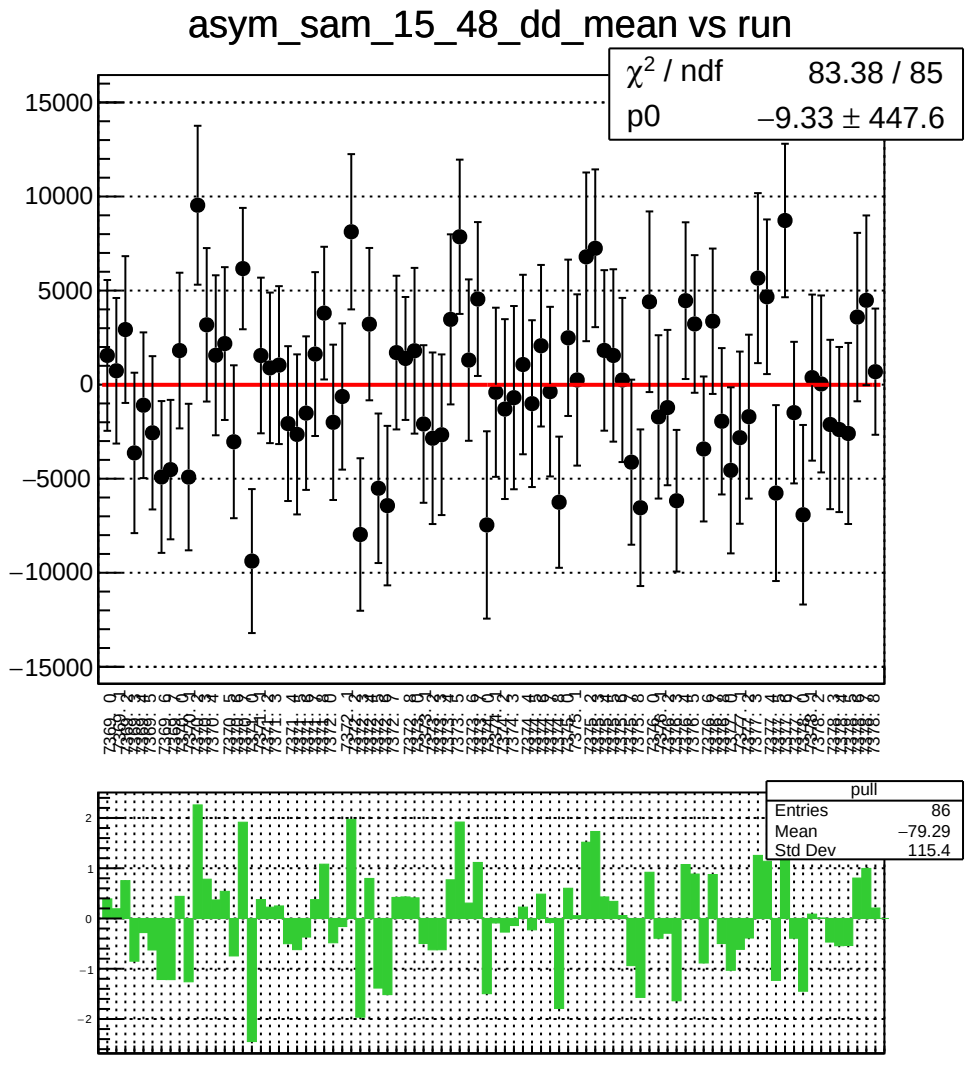

pull1D
Entries 86
Mean 0.01875
Std Dev 1.011
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

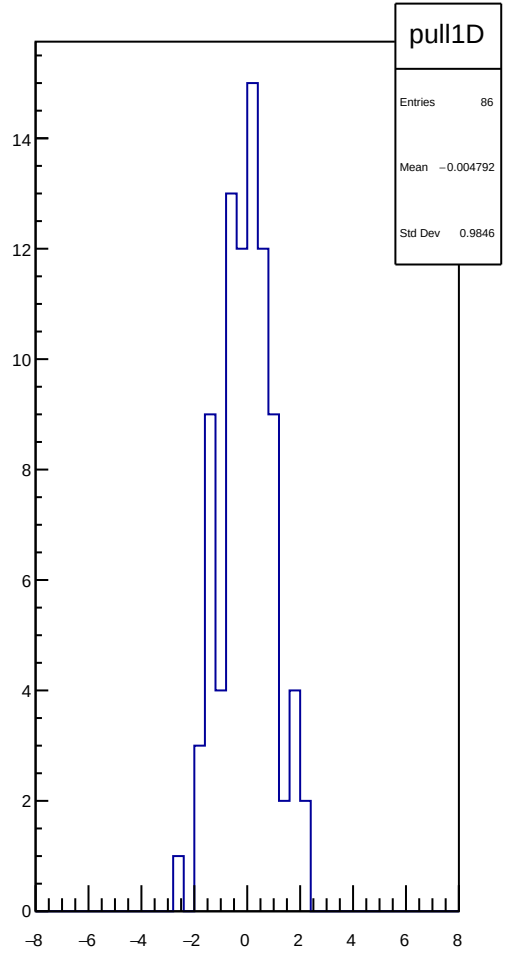

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 1.686e+05 / 85
p0 116.3 ± 0.09622
240
220
200
180
160
140
120
100
80
60

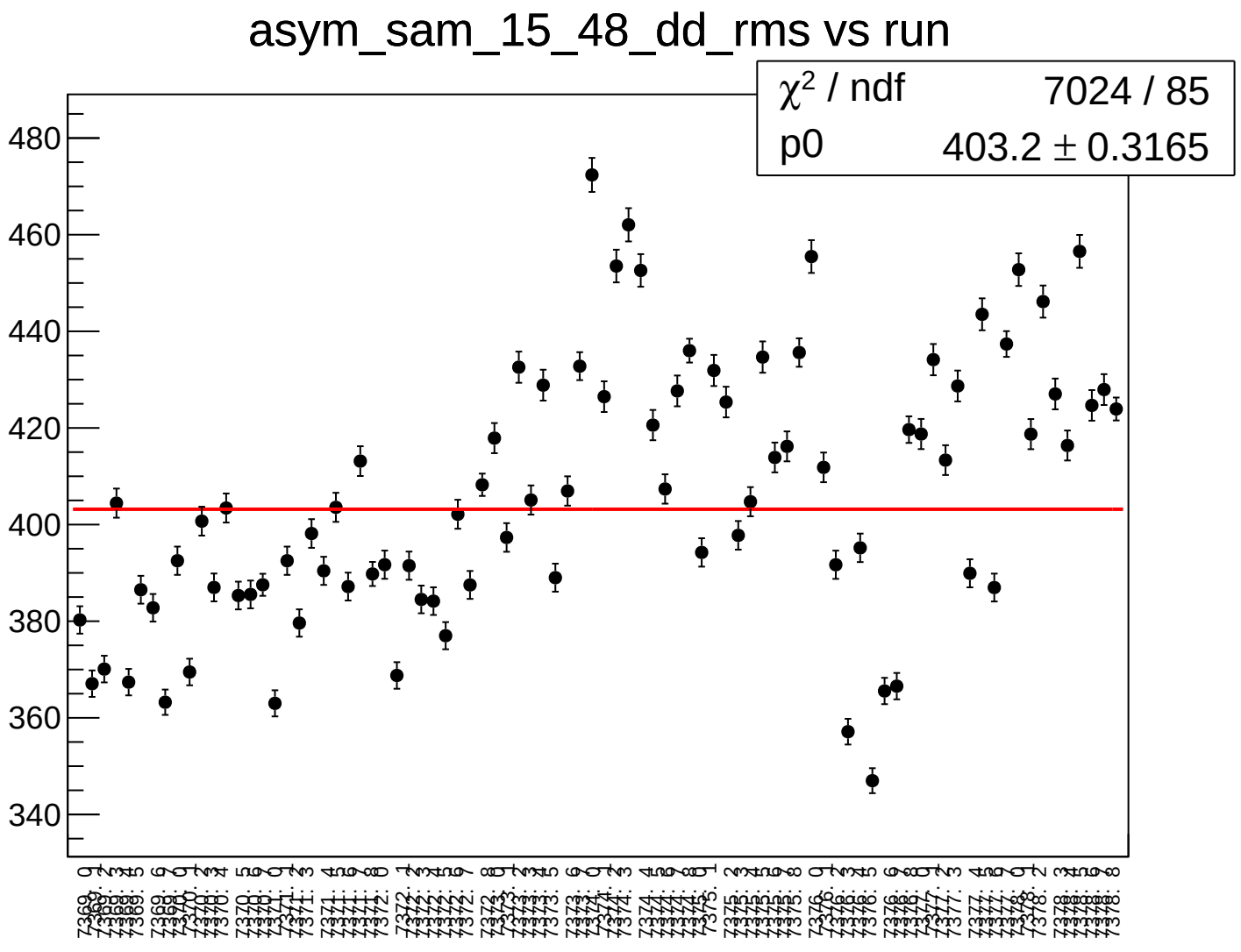

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 100.1 / 85
p0 −125 ± 469
pull
Entries 86
Mean 17.7
Std Dev 37.31

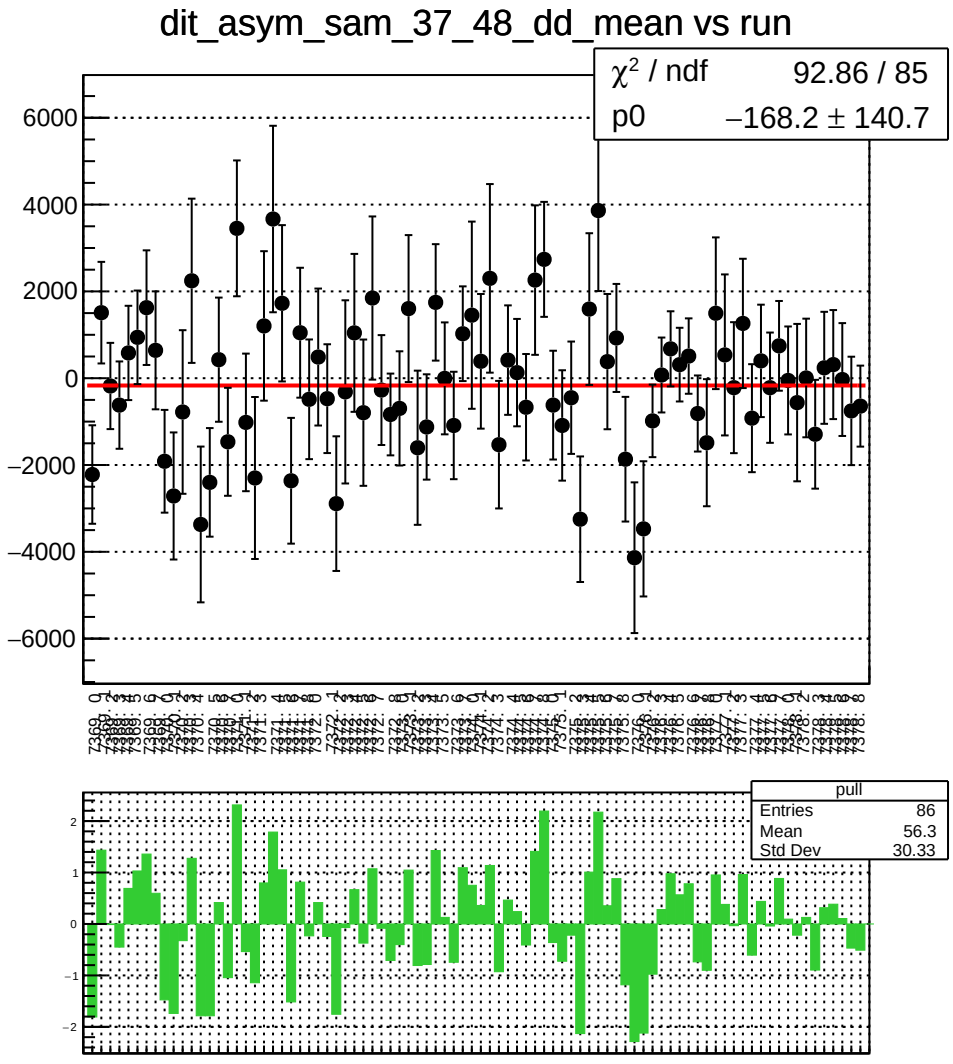

pull1D
Entries 86
Mean 0.0113
Std Dev 1.079

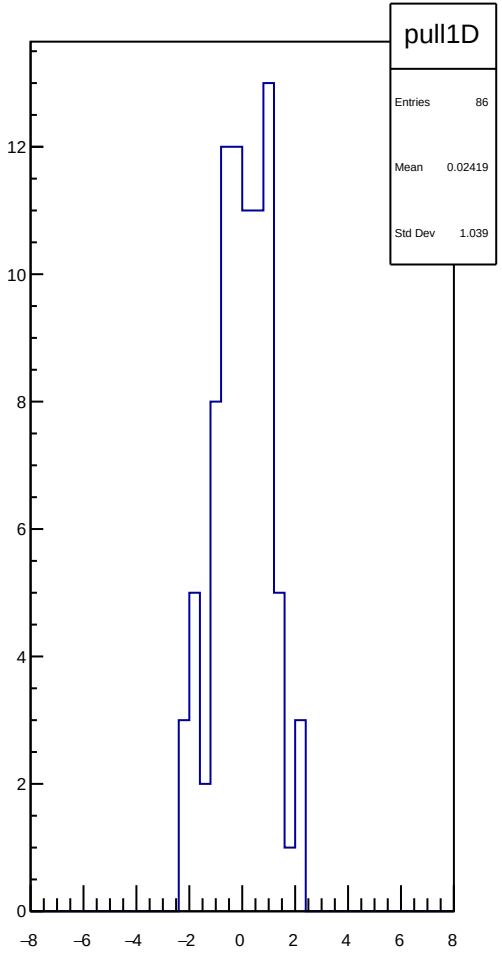

asym_sam_15_48_dd_correction_rms vs run
χ² / ndf 4027 / 85
p0 422.8 ± 0.3317
500
480
460
440
420
400
380

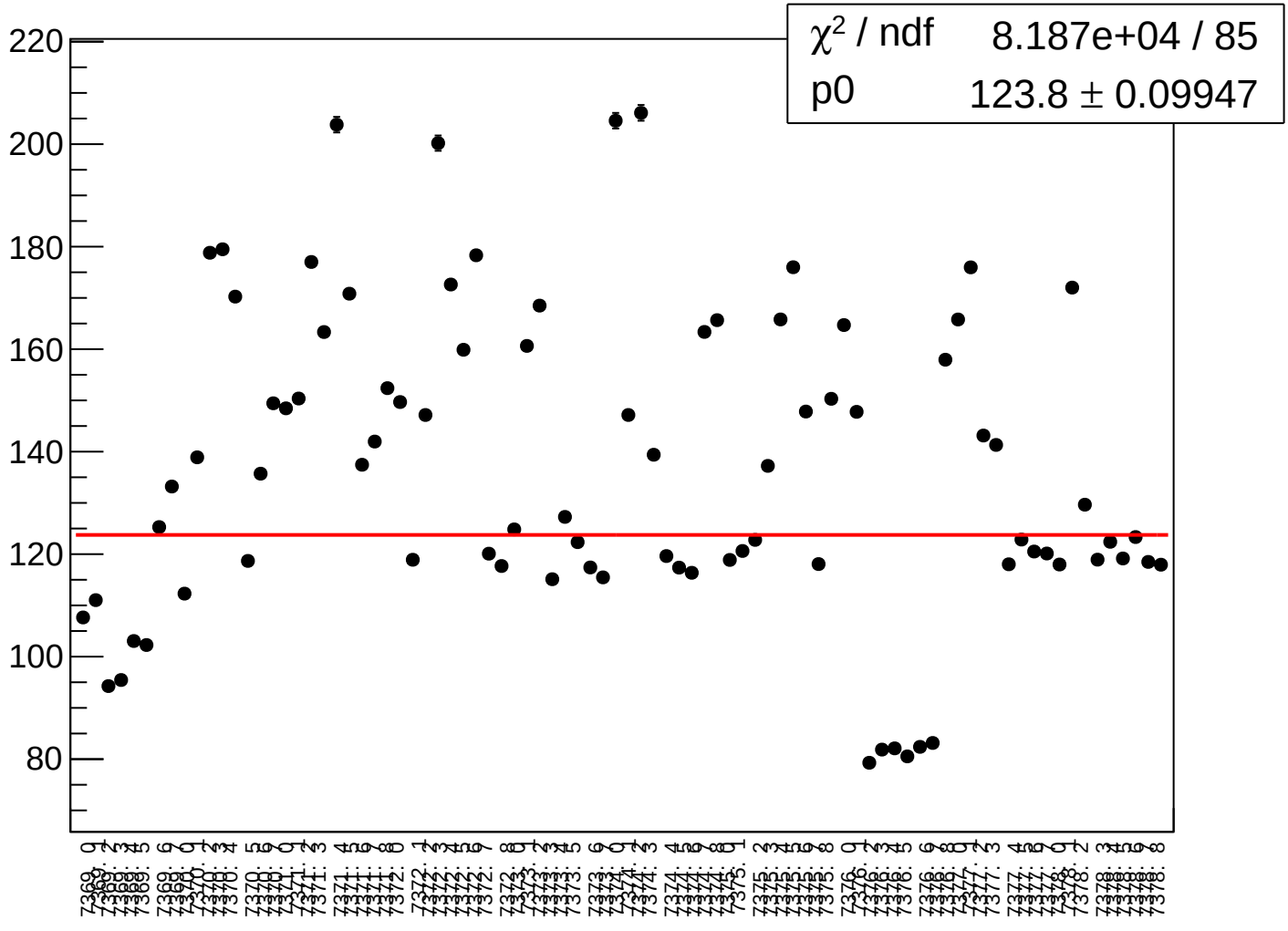

asym_sam_15_48_dd_mean vs run
χ² / ndf 83.38 / 85
p0 −9.33 ± 447.6
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −79.29
Std Dev 115.4
2
1
0
−1
−2

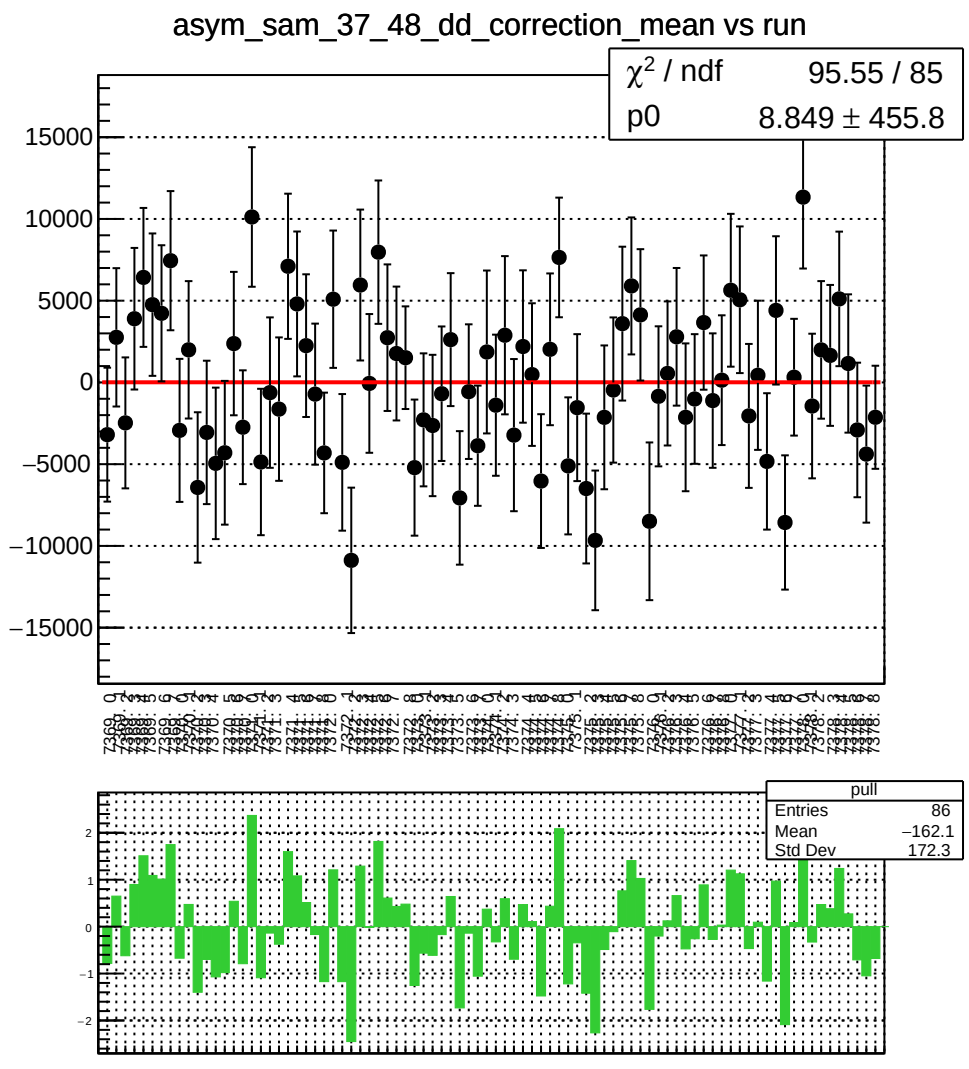

pull1D
Entries 86
Mean −0.004792
Std Dev 0.9846
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

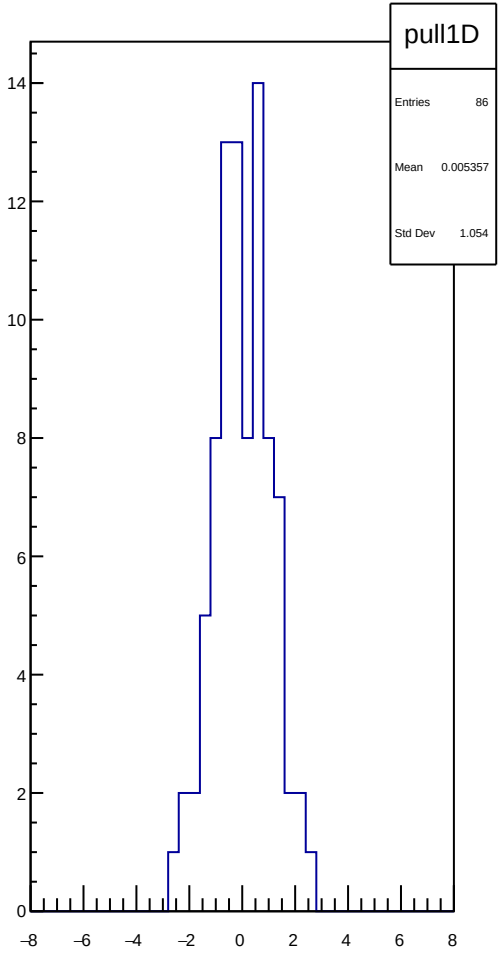

asym_sam_15_48_dd_rms vs run
χ² / ndf 7024 / 85
p0 403.2 ± 0.3165
480
460
440
420
400
380
360
340

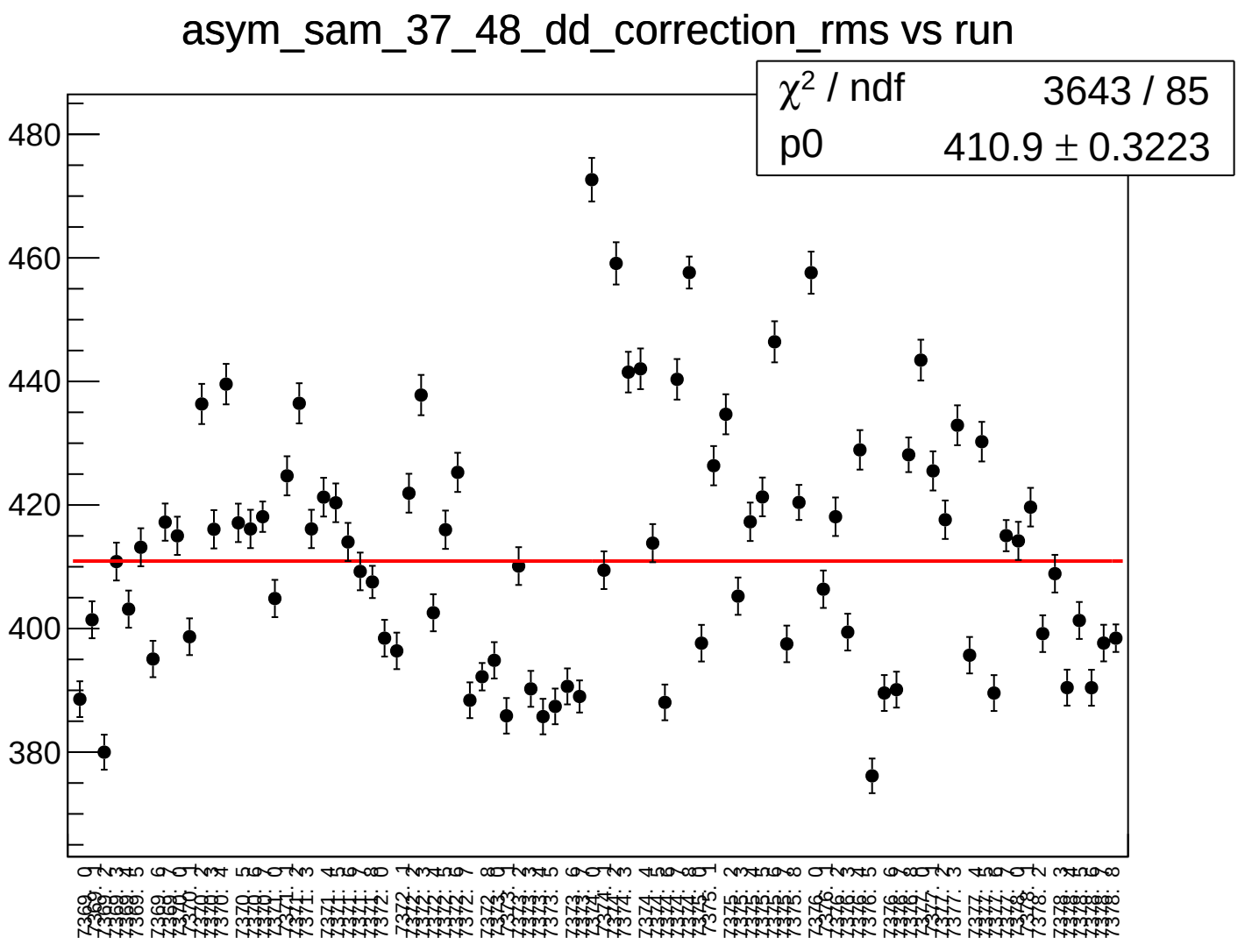

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 92.86 / 85
p0 −168.2 ± 140.7
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 56.3
Std Dev 30.33
2
1
0
−1
−2

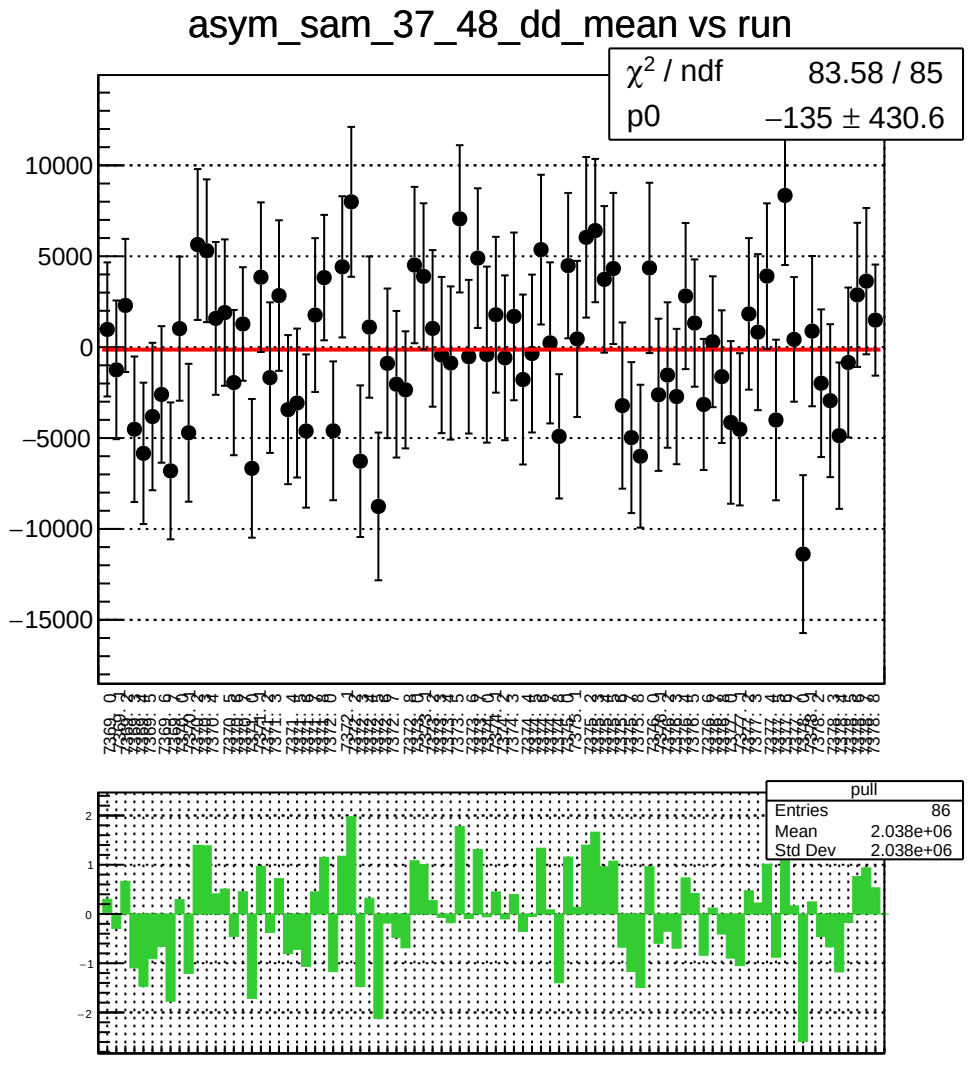

pull1D
Entries 86
Mean 0.02419
Std Dev 1.039
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

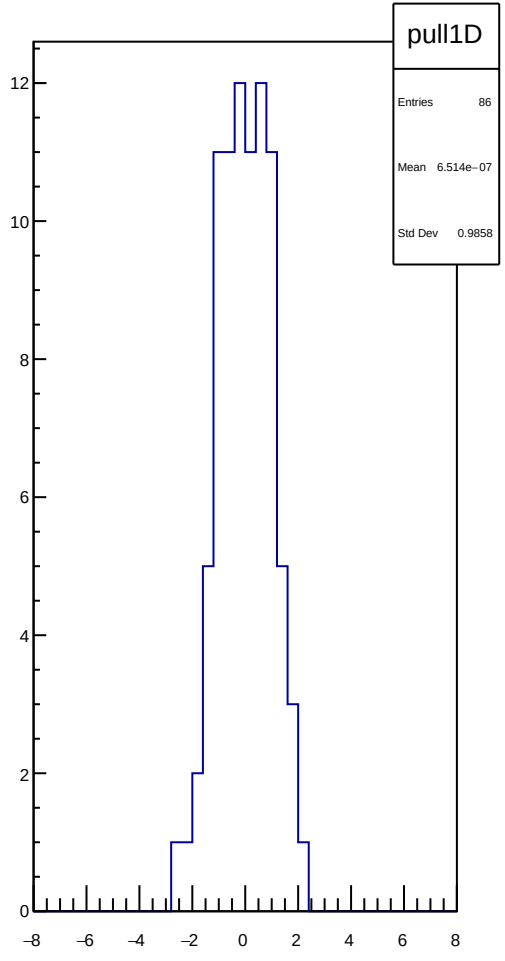

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 8.187e+04 / 85
p0 123.8 ± 0.09947
220
200
180
160
140
120
100
80

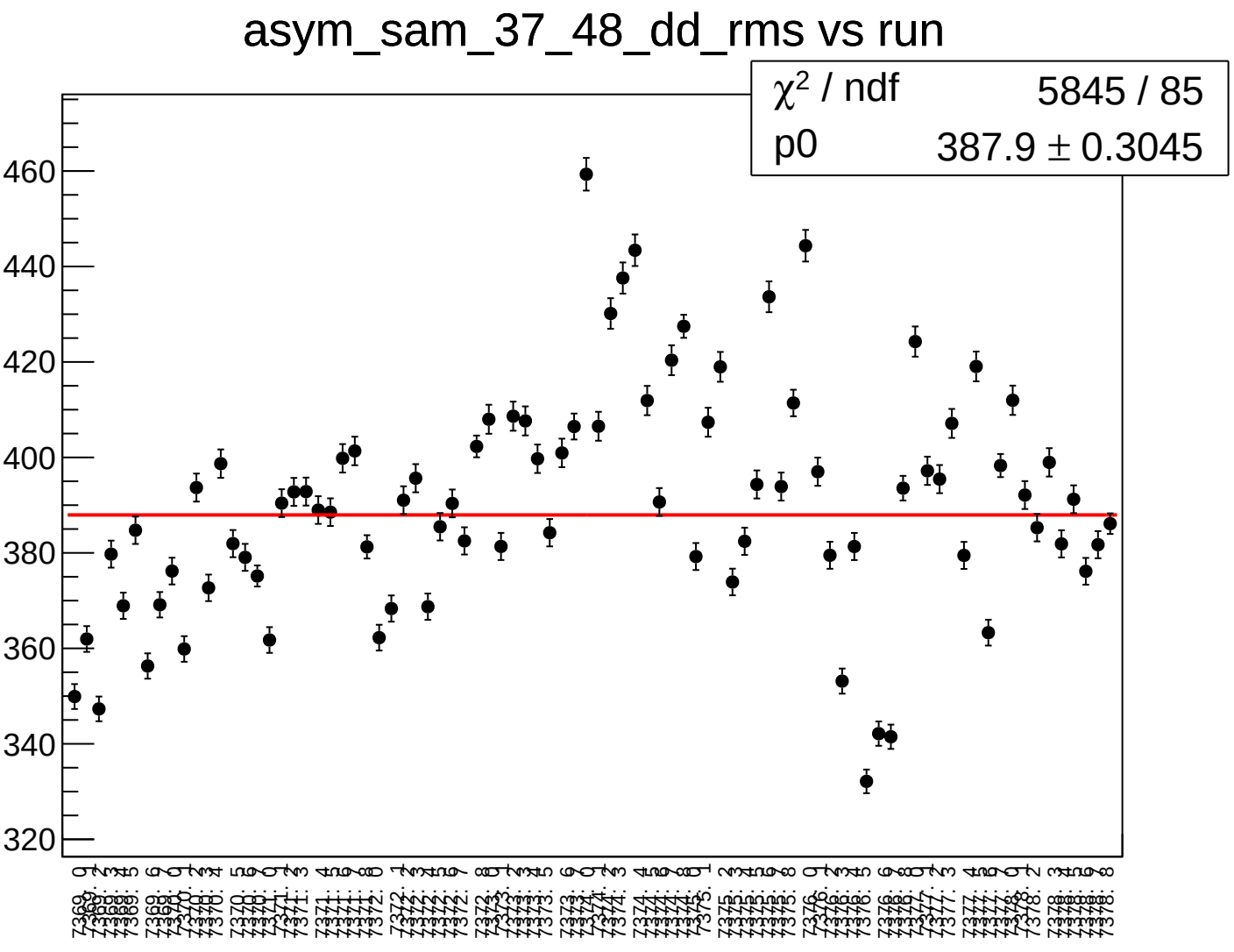

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 95.55 / 85
p0 8.849 ± 455.8
pull
Entries 86
Mean −162.1
Std Dev 172.3

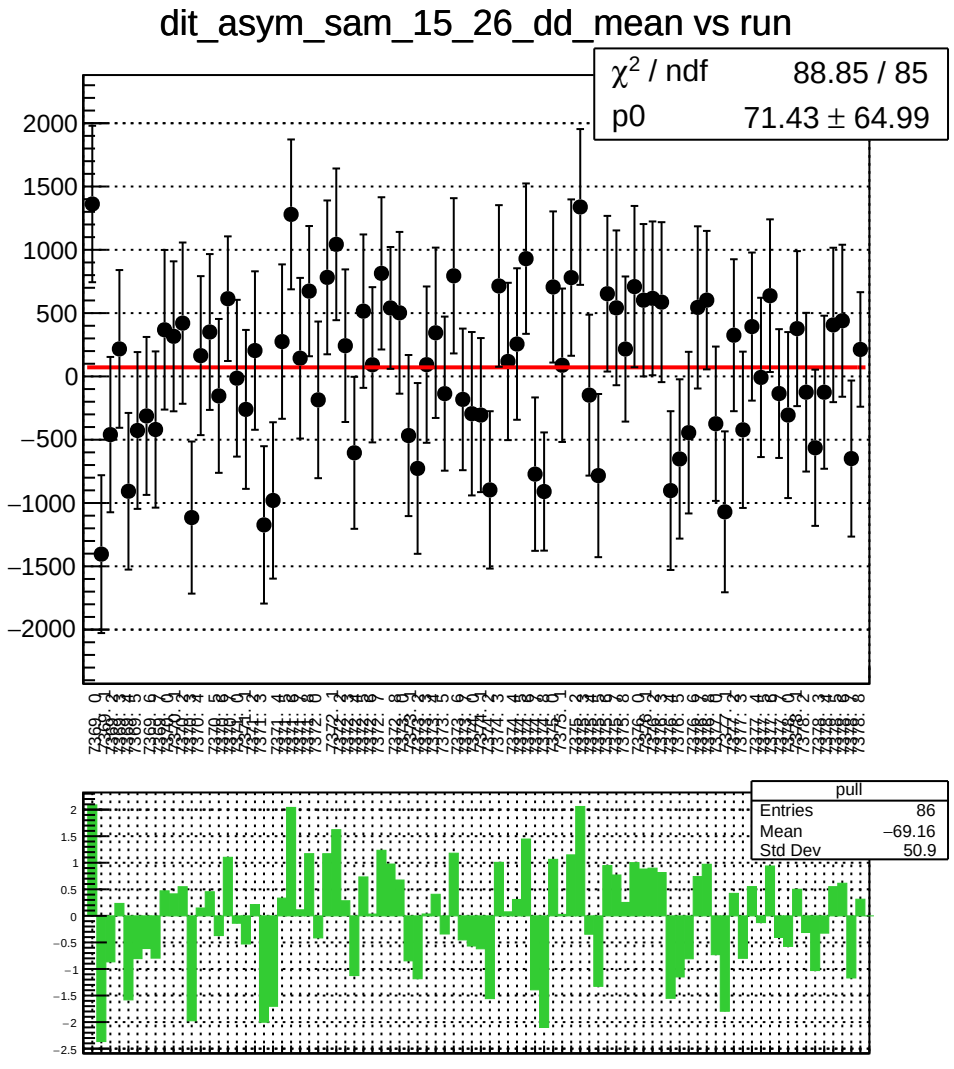

pull1D
Entries 86
Mean 0.005357
Std Dev 1.054

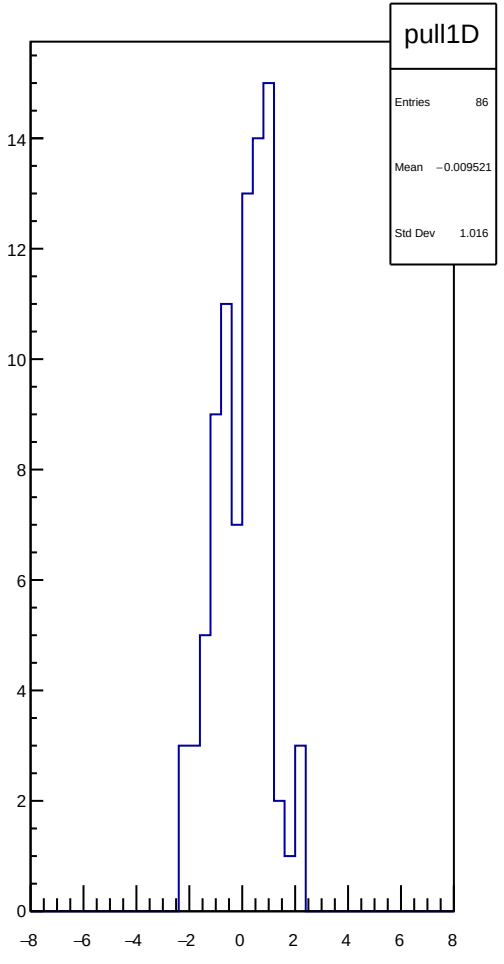

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3643 / 85
p0 410.9 ± 0.3223
480
460
440
420
400
380

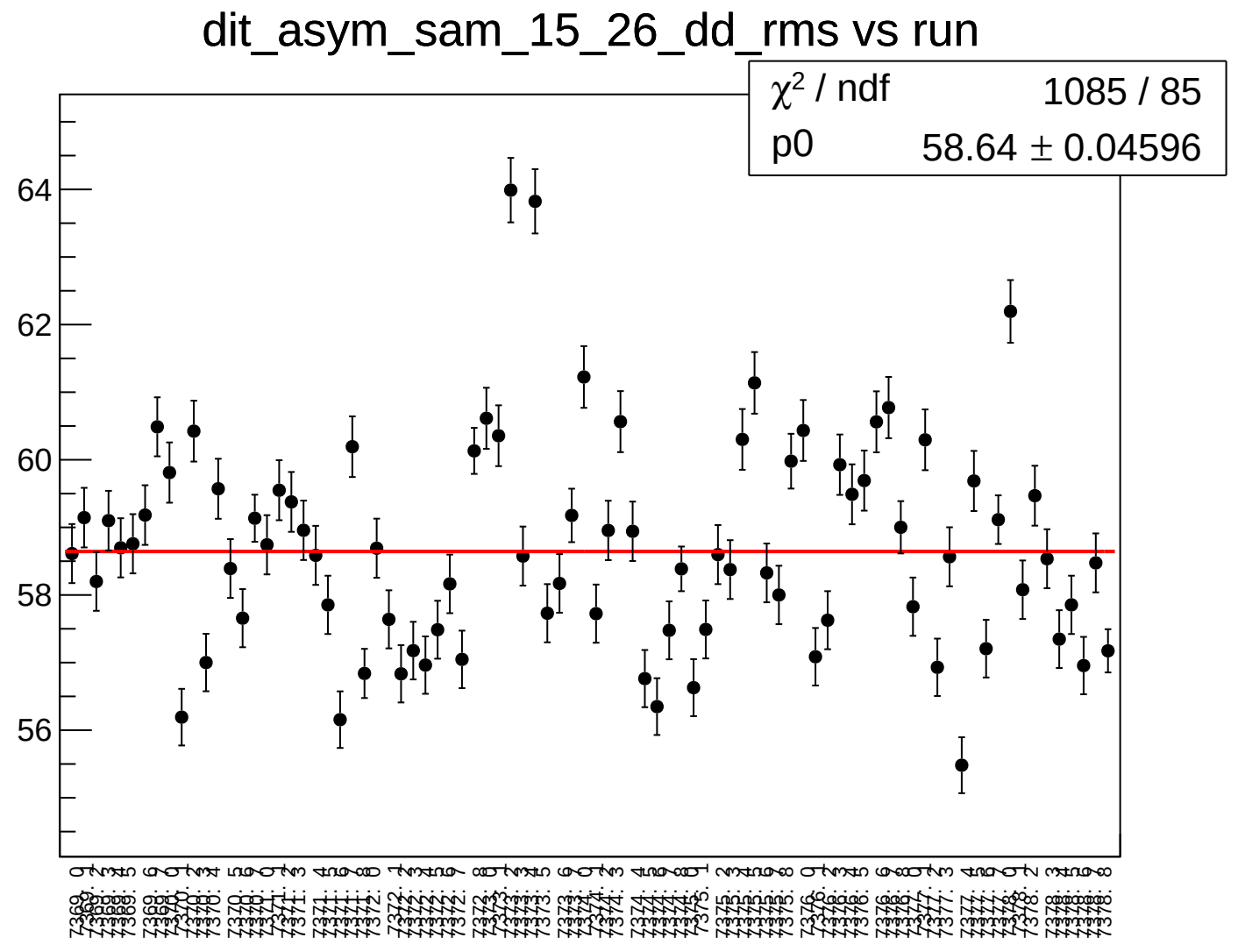

asym_sam_37_48_dd_mean vs run
χ² / ndf 83.58 / 85
p0 −135 ± 430.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean 2.038e+06
Std Dev 2.038e+06
2
1
0
−1
−2

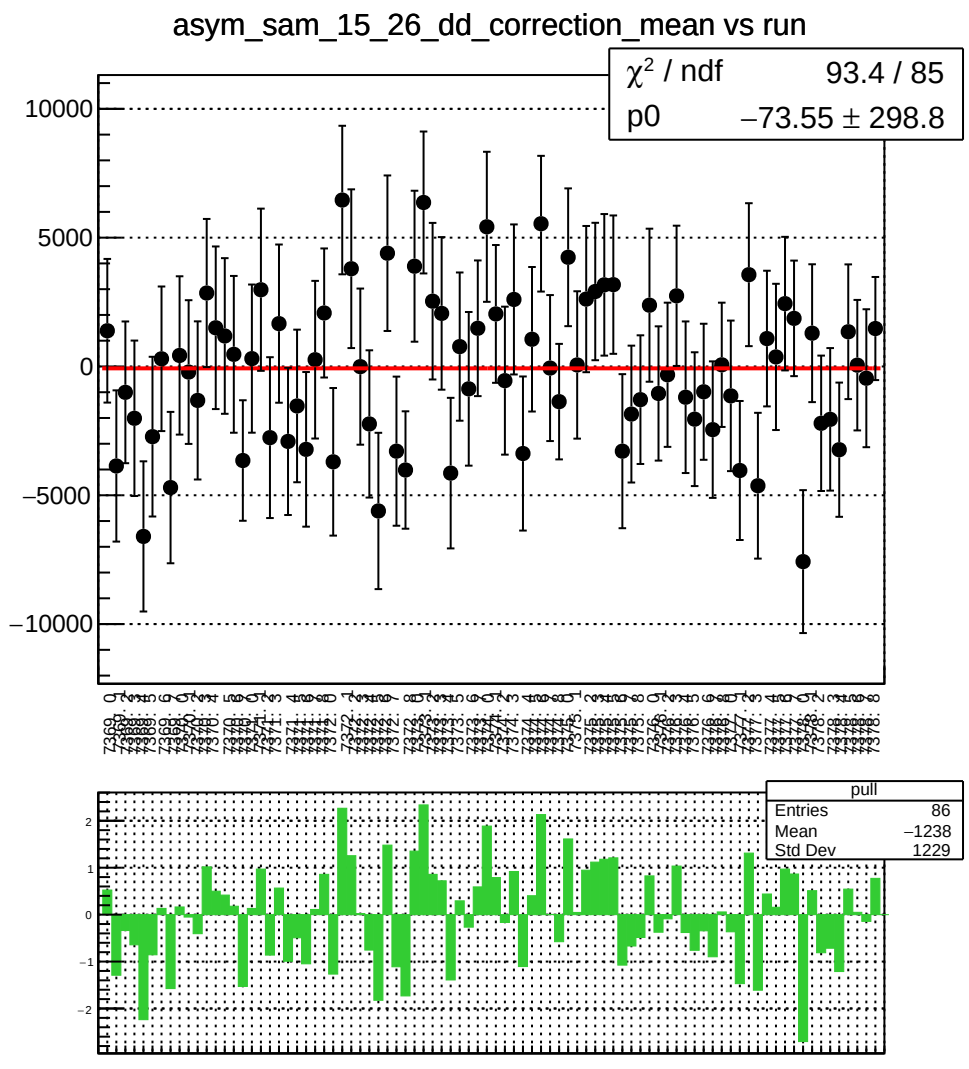

pull1D
Entries 86
Mean 6.514e−07
Std Dev 0.9858
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

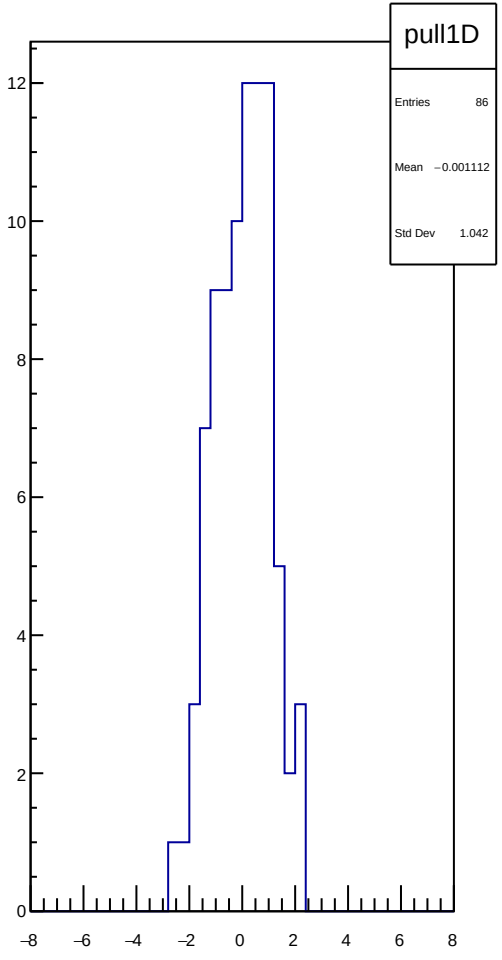

asym_sam_37_48_dd_rms vs run
χ² / ndf 5845 / 85
p0 387.9 ± 0.3045
460
440
420
400
380
360
340
320

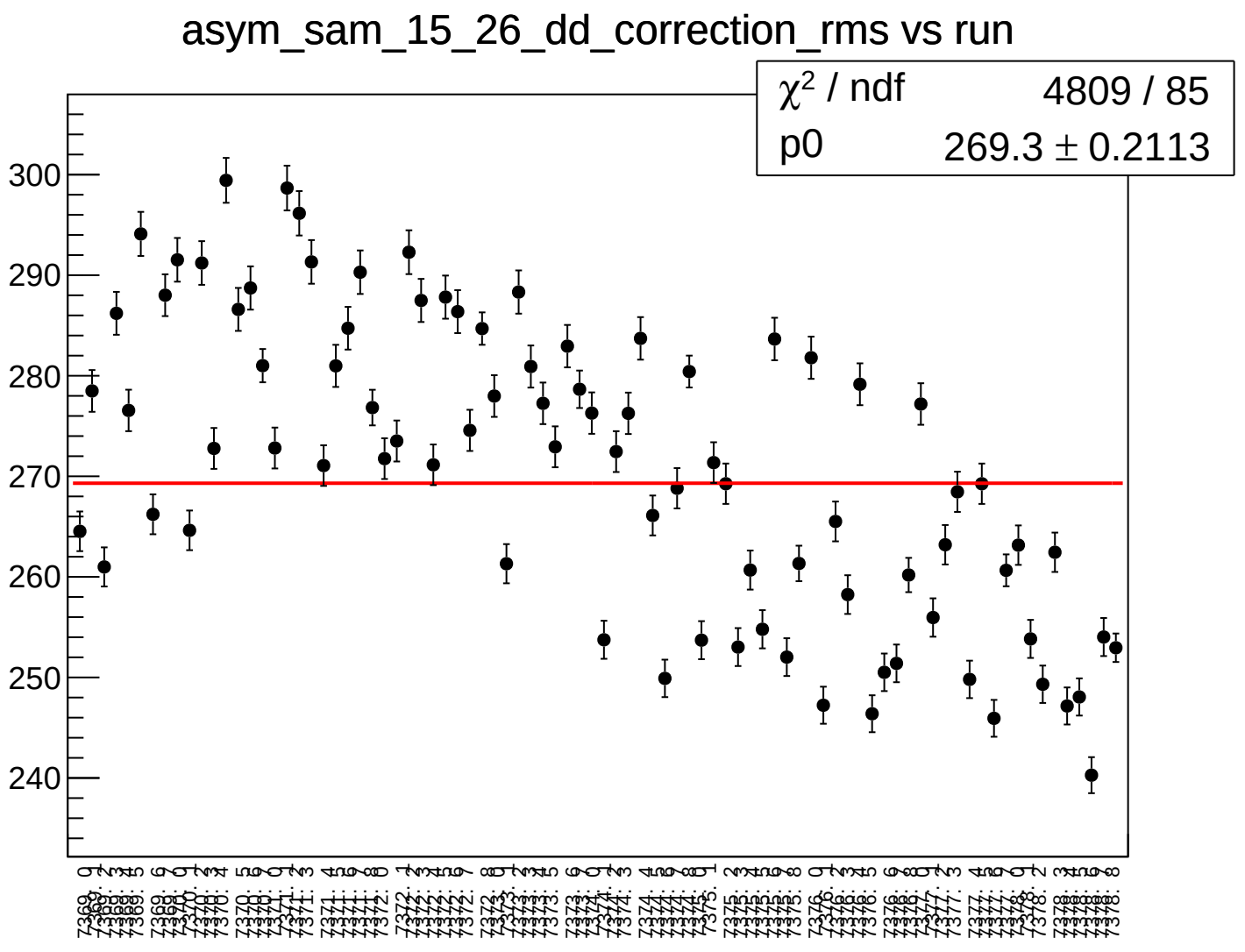

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 88.85 / 85
p0 71.43 ± 64.99
pull
Entries 86
Mean −69.16
Std Dev 50.9

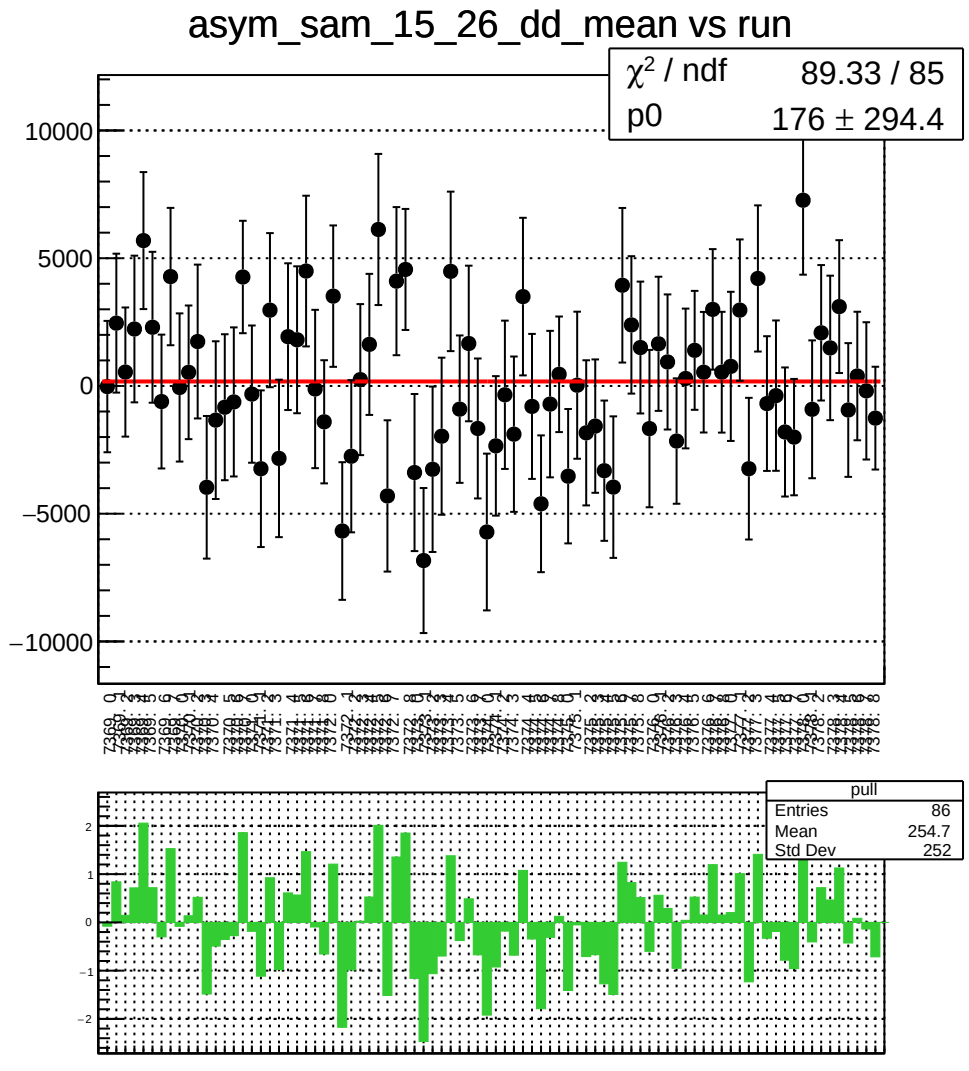

pull1D
Entries 86
Mean −0.009521
Std Dev 1.016

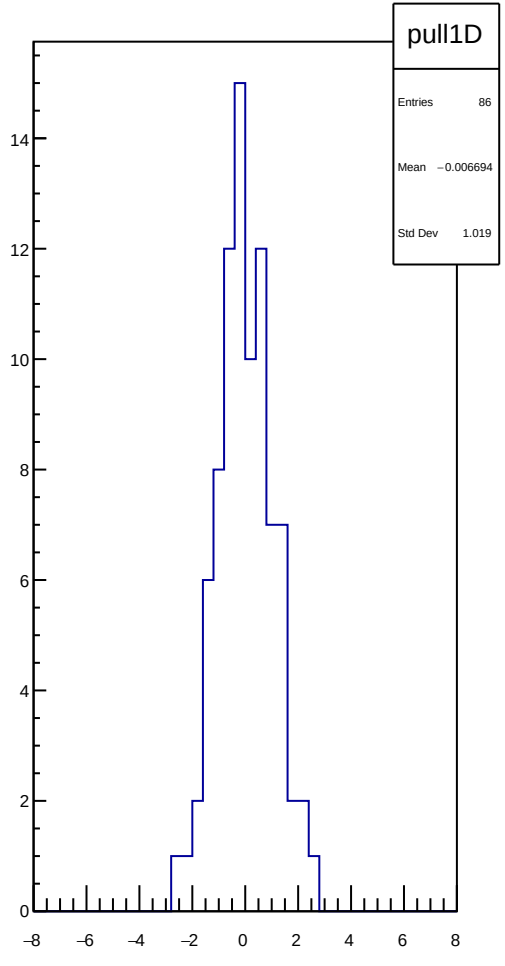

dit_asym_sam_15_26_dd_rms vs run
$\chi^2$ / ndf 1085 / 85
p0 58.64 ± 0.04596
64
62
60
58
56

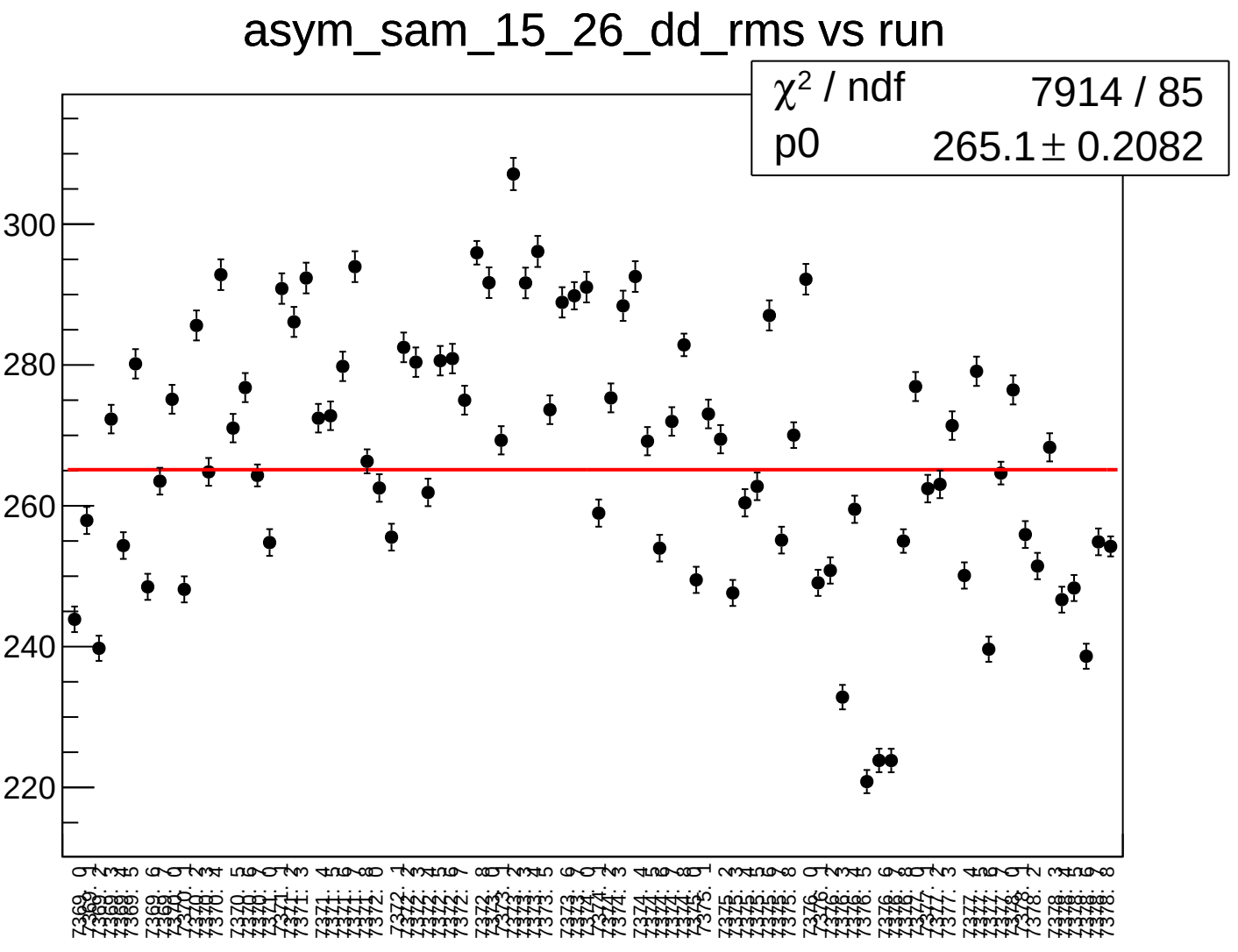

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 93.4 / 85
p0 −73.55 ± 298.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −1238
Std Dev 1229
2
1
0
−1
−2

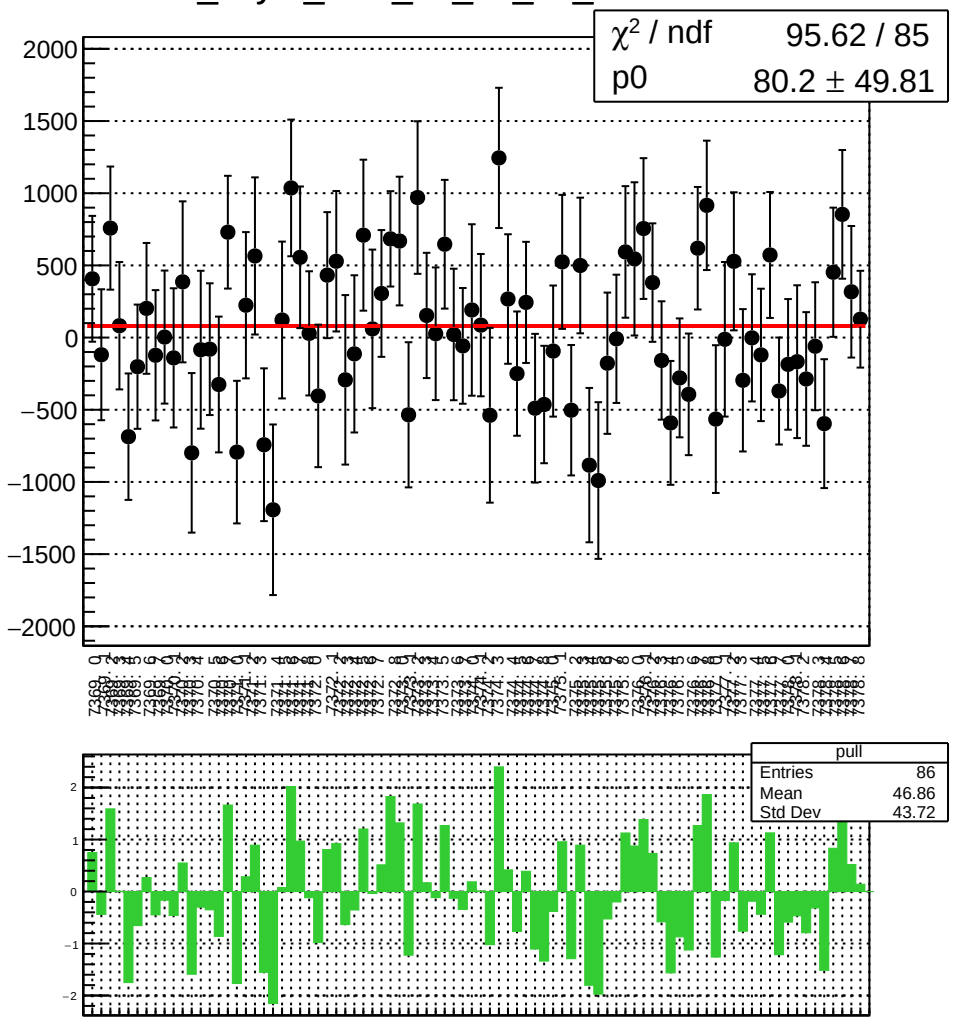

pull1D
Entries 86
Mean −0.001112
Std Dev 1.042
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

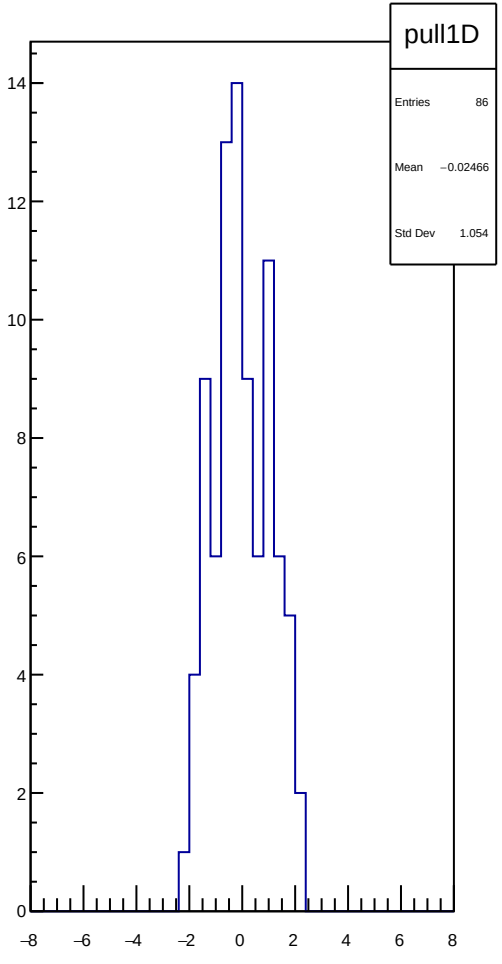

asym_sam_15_26_dd_correction_rms vs run
χ² / ndf 4809 / 85
p0 269.3 ± 0.2113
300
290
280
270
260
250
240

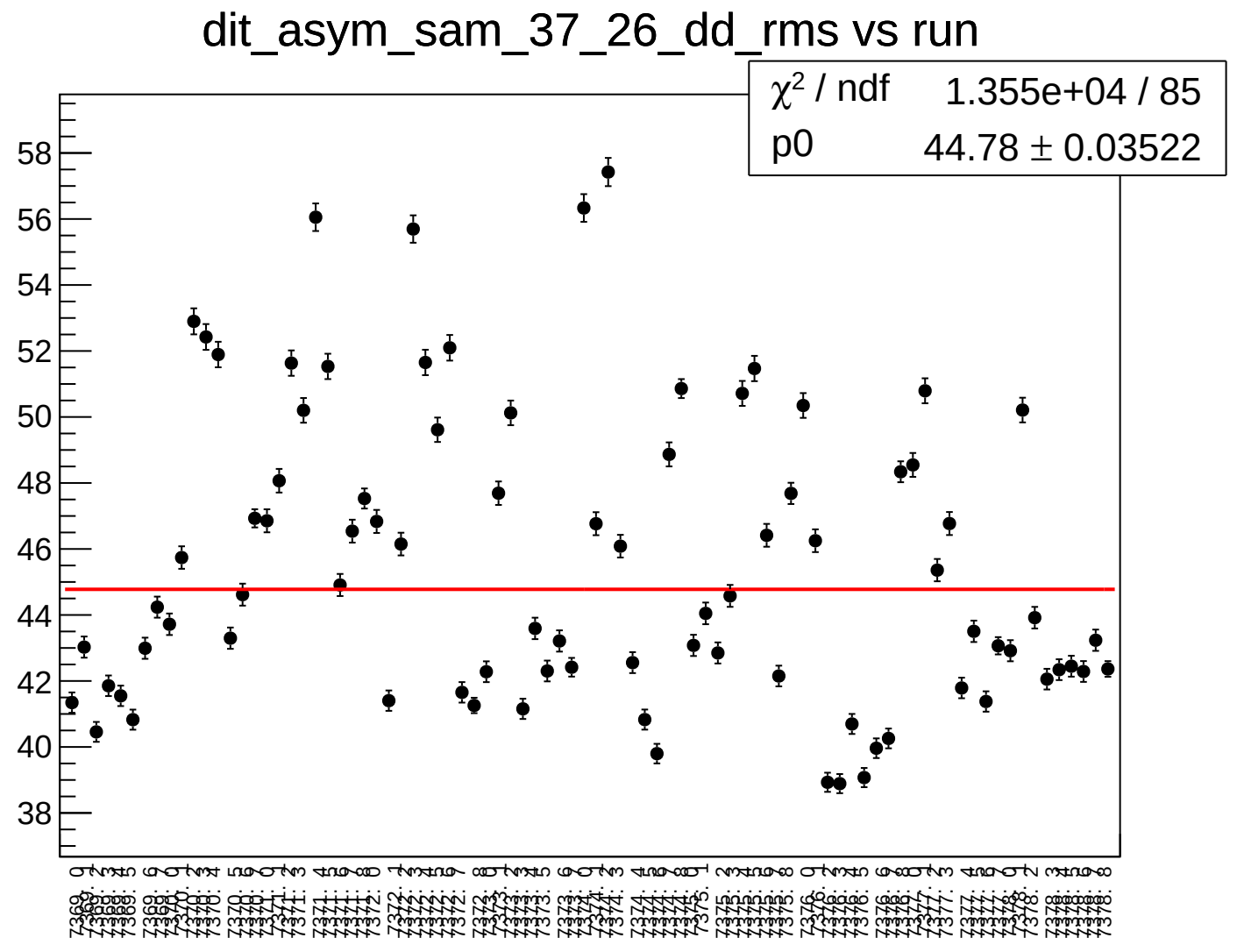

asym_sam_15_26_dd_mean vs run
χ² / ndf 89.33 / 85
p0 176 ± 294.4
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 254.7
Std Dev 252
2
1
0
−1
−2

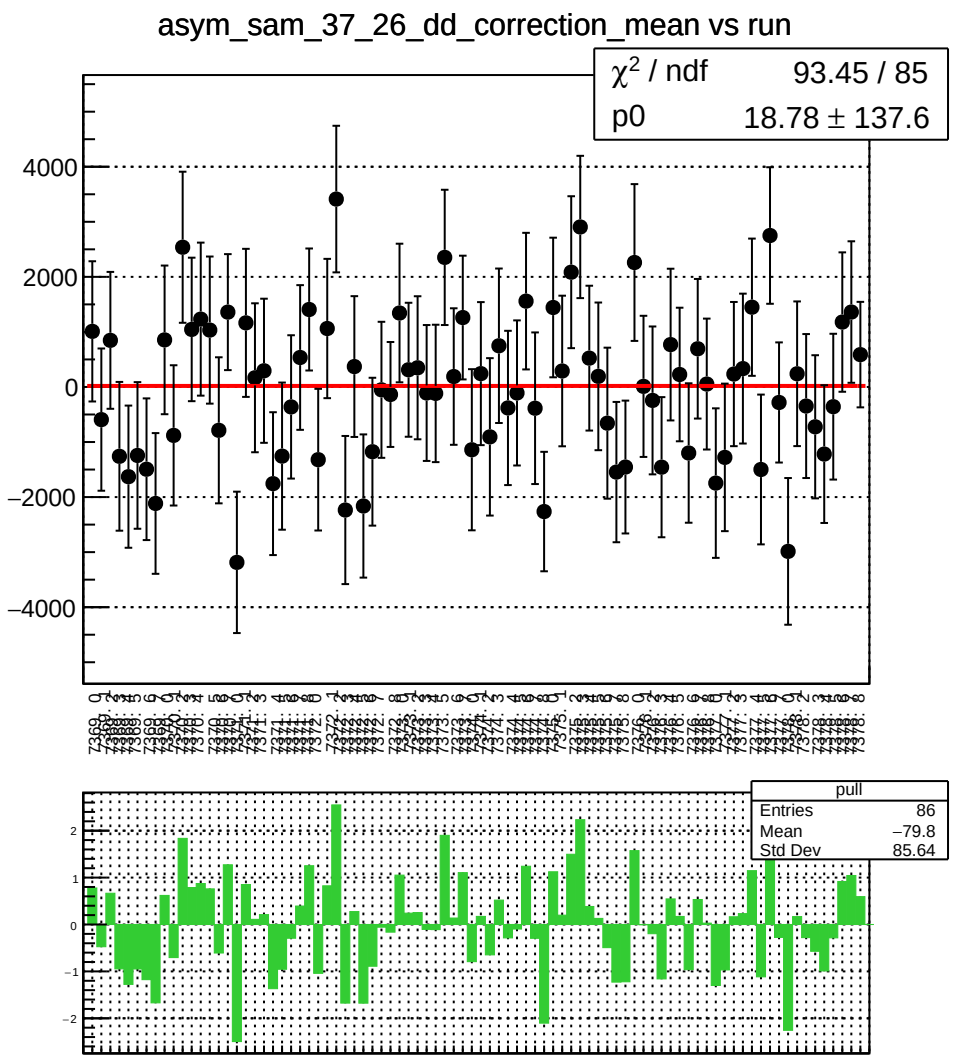

pull1D
Entries 86
Mean −0.006694
Std Dev 1.019
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

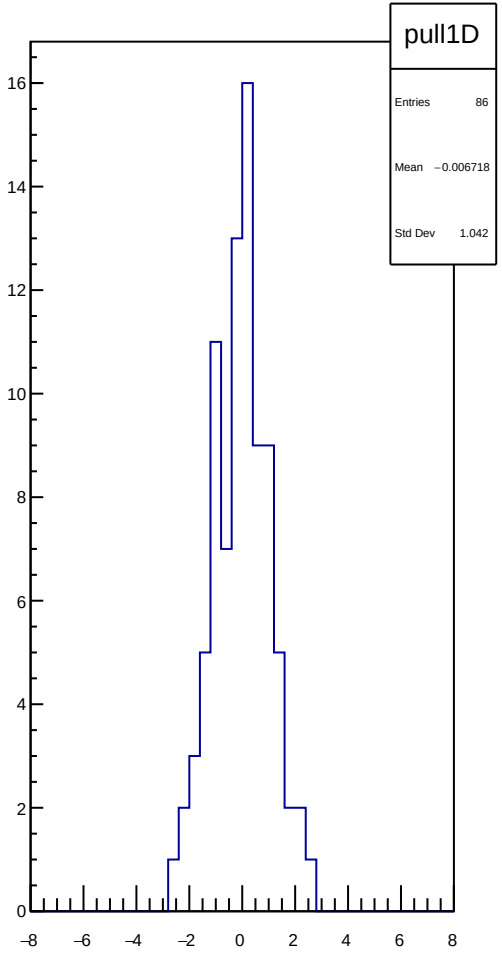

asym_sam_15_26_dd_rms vs run
χ² / ndf 7914 / 85
p0 265.1 ± 0.2082
300
280
260
240
220

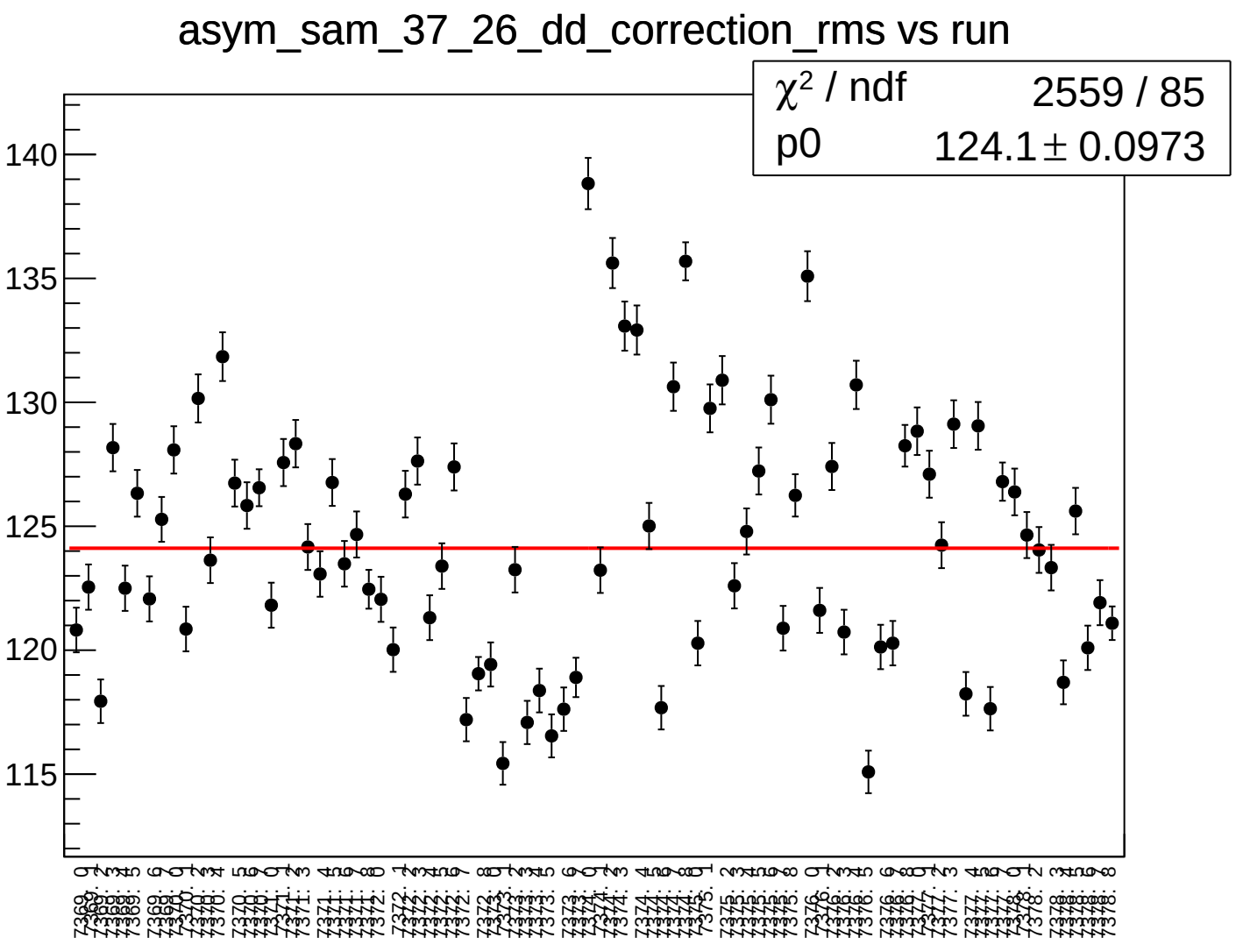

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 95.62 / 85
p0 80.2 ± 49.81
pull
Entries 86
Mean 46.86
Std Dev 43.72

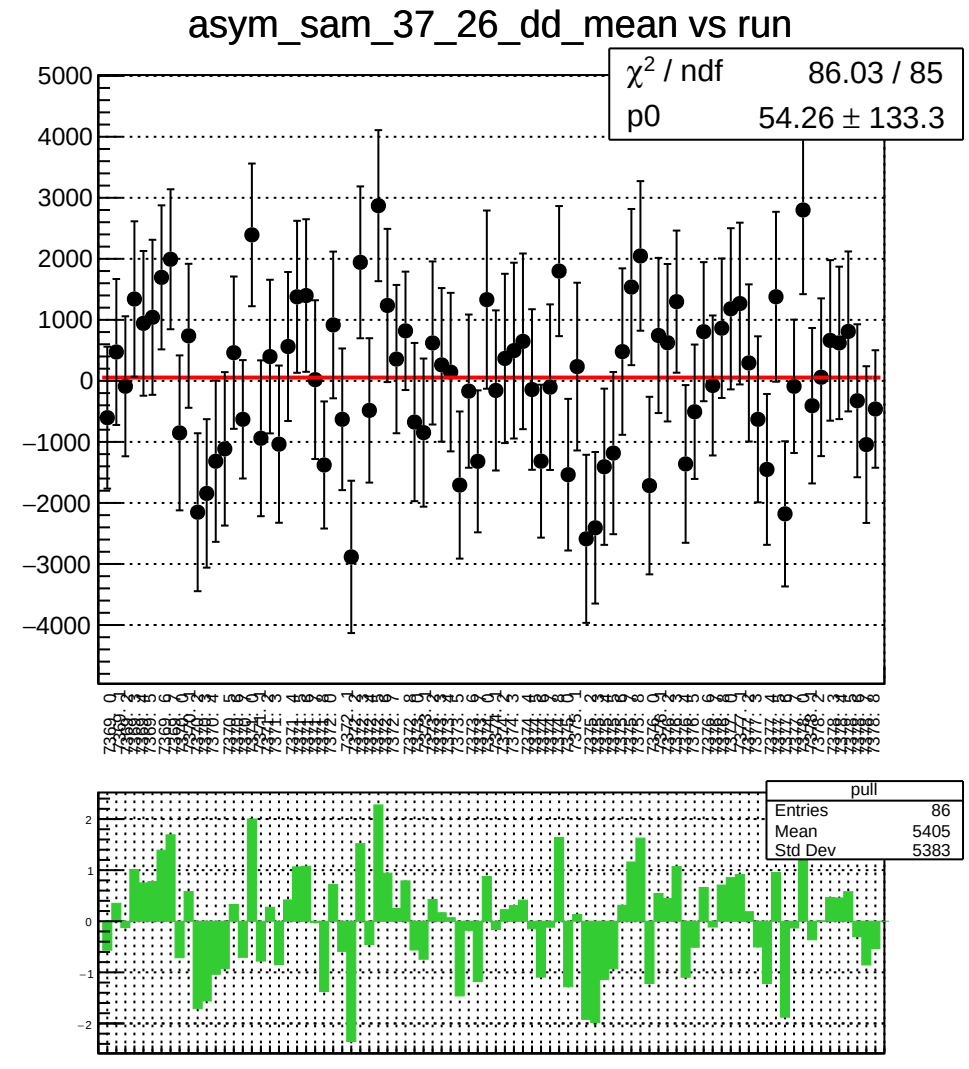

pull1D
Entries 86
Mean −0.02466
Std Dev 1.054

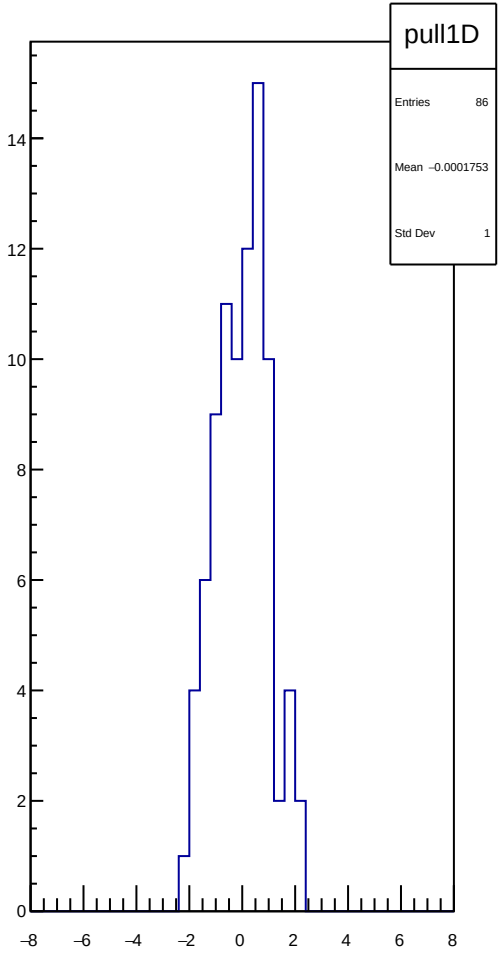

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.355e+04 / 85
p0 44.78 ± 0.03522
58
56
54
52
50
48
46
44
42
40
38

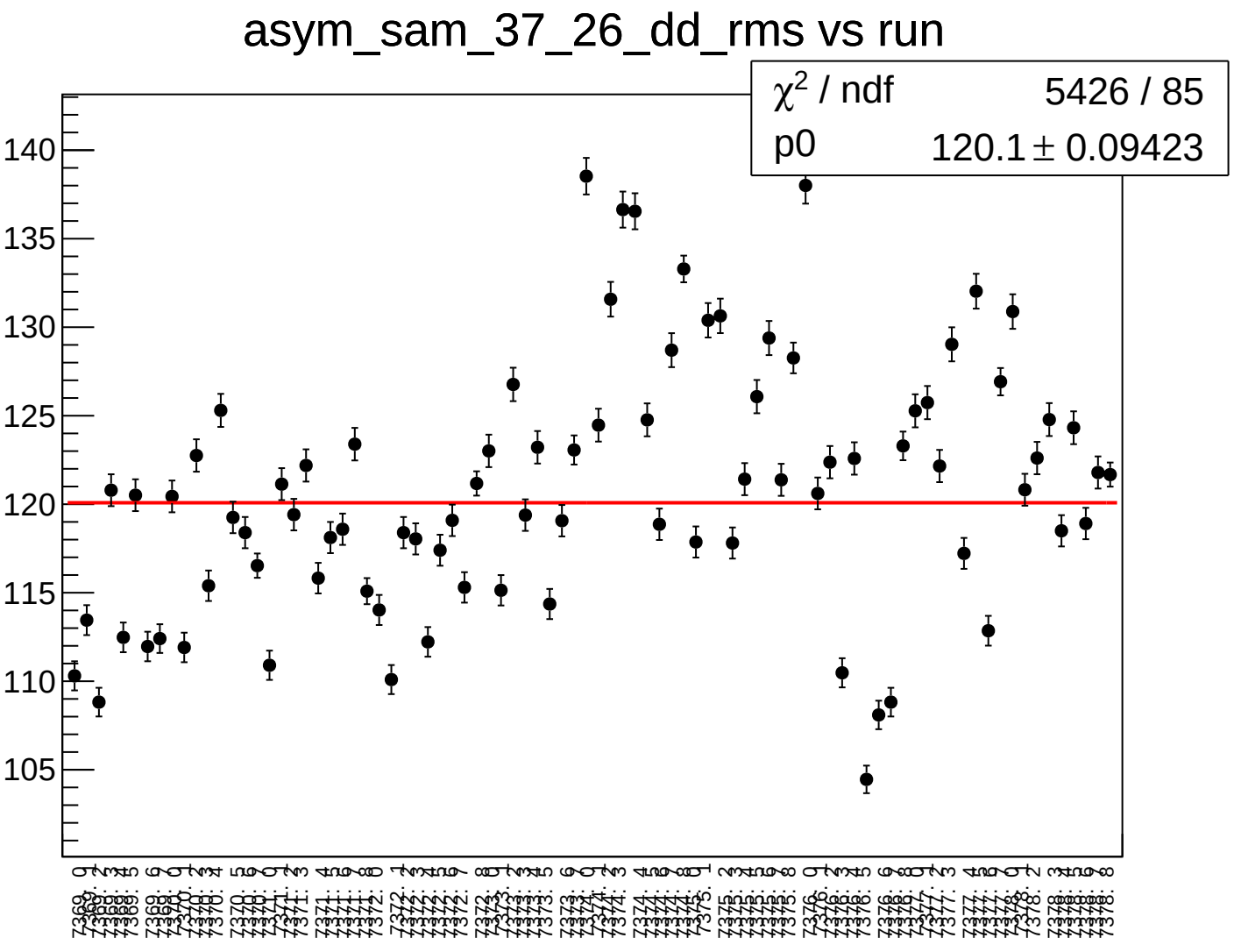

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 93.45 / 85
p0 18.78 ± 137.6
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −79.8
Std Dev 85.64
2
1
0
−1
−2

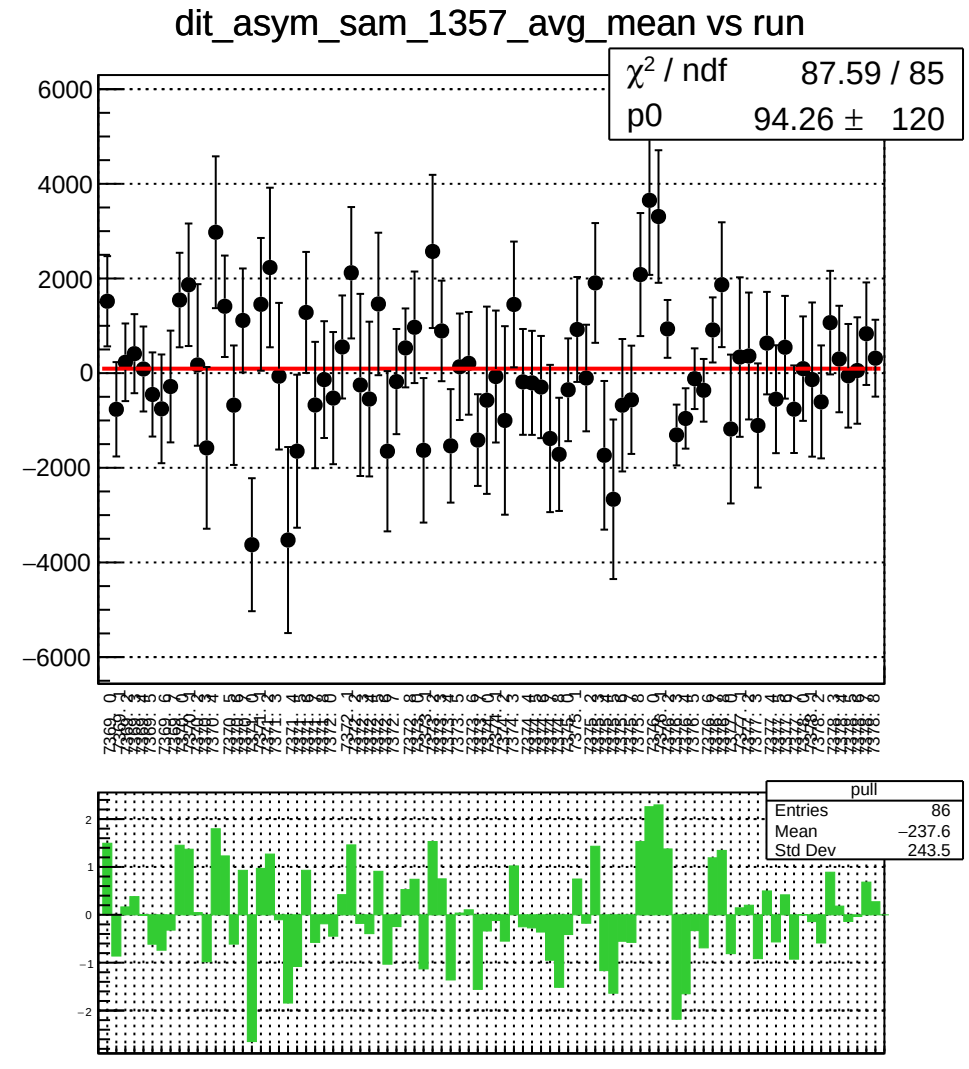

pull1D
Entries 86
Mean −0.006718
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

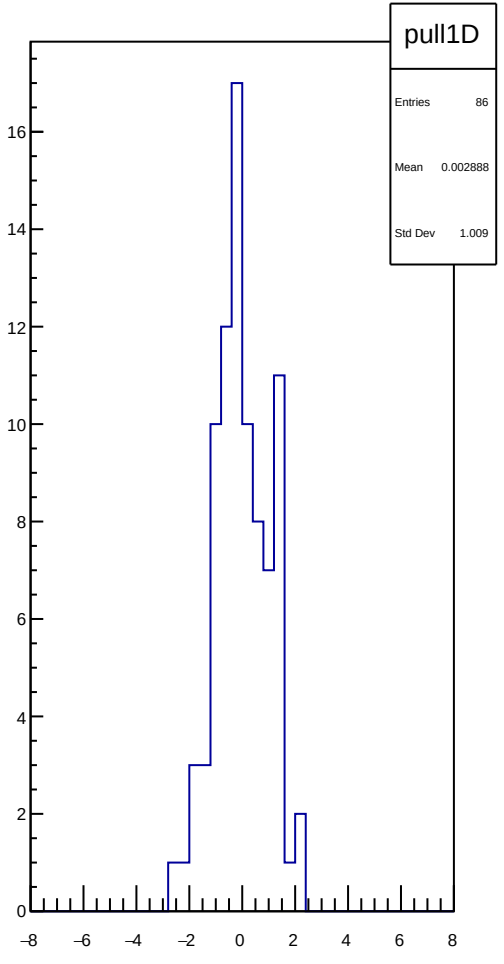

asym_sam_37_26_dd_correction_rms vs run
χ² / ndf 2559 / 85
p0 124.1 ± 0.0973
140
135
130
125
120
115

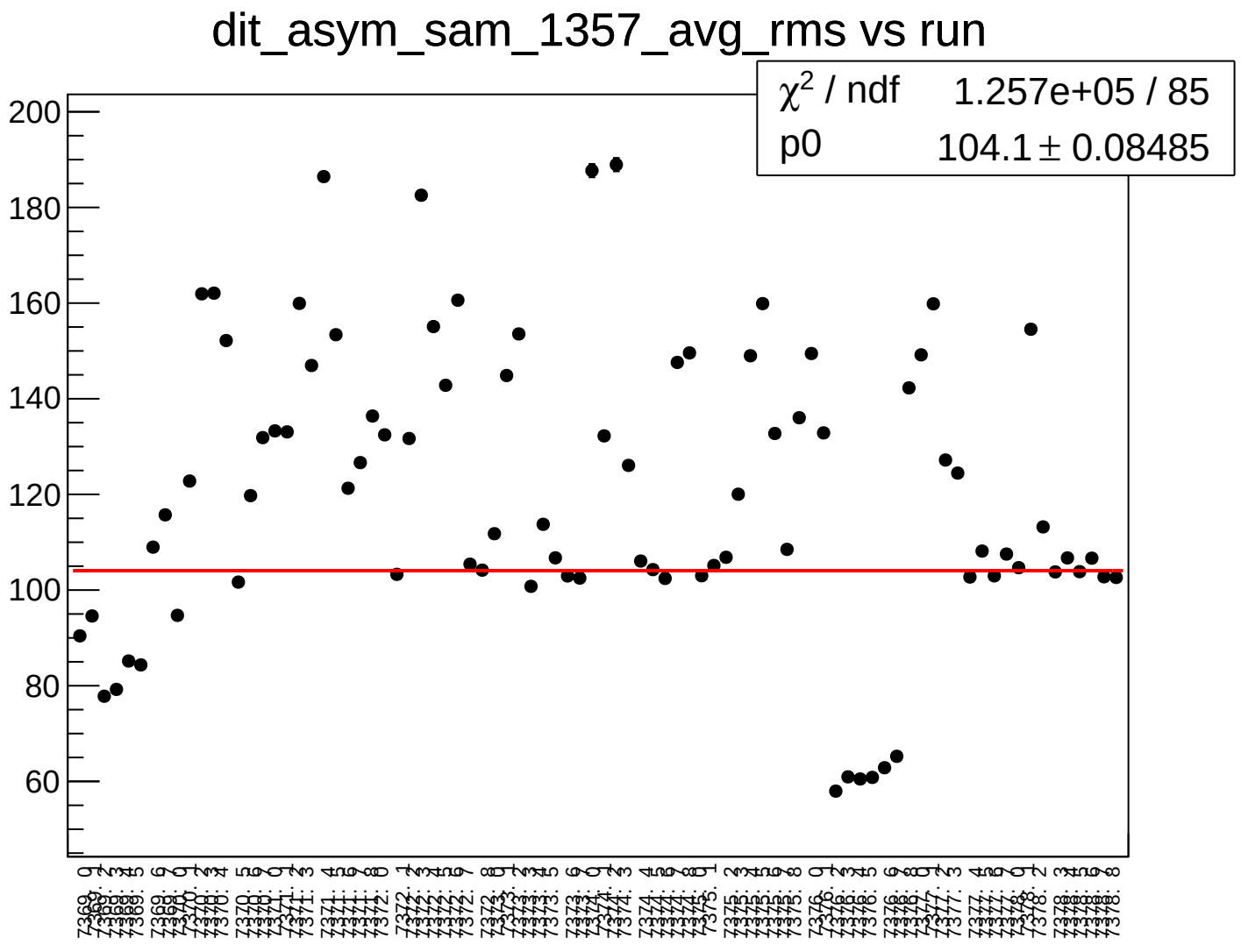

asym_sam_37_26_dd_mean vs run
χ² / ndf 86.03 / 85
p0 54.26 ± 133.3
pull
Entries 86
Mean 5405
Std Dev 5383

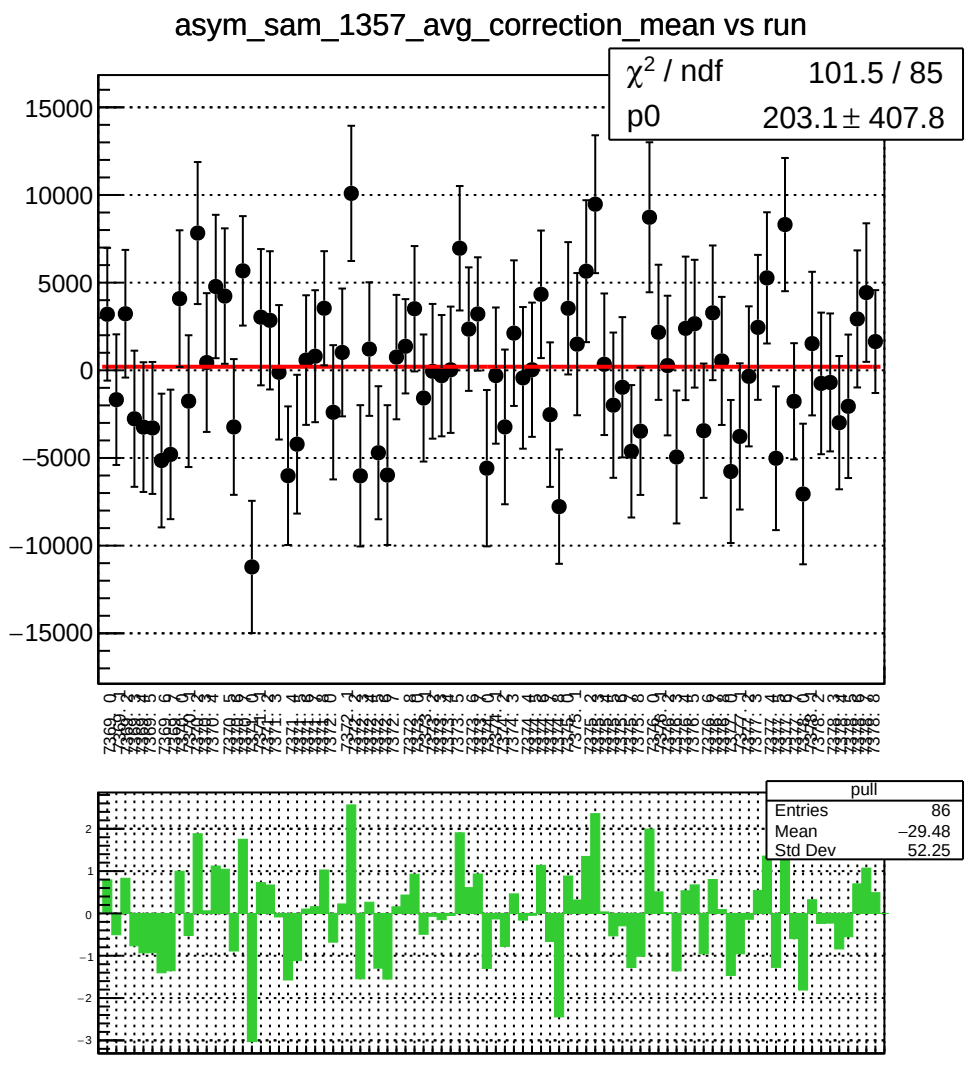

pull1D
Entries 86
Mean −0.0001753
Std Dev 1

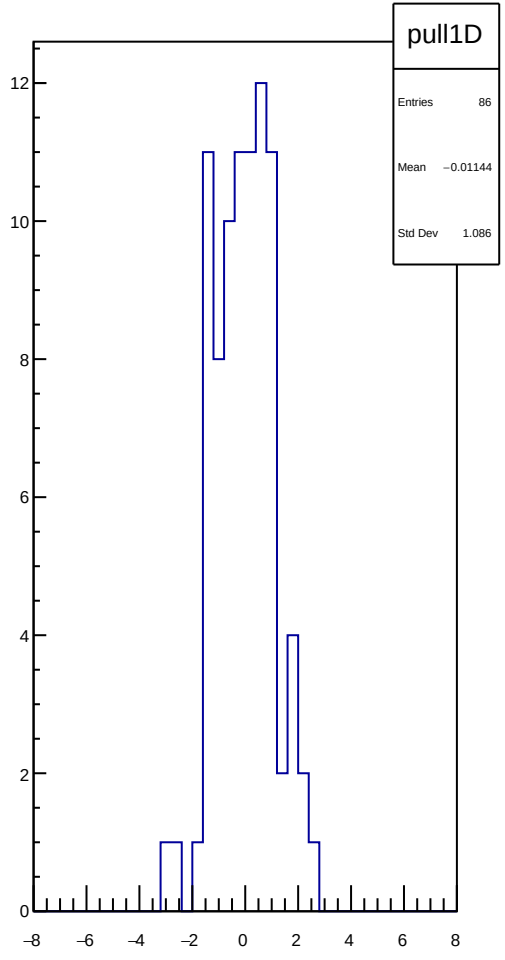

asym_sam_37_26_dd_rms vs run
χ² / ndf 5426 / 85
p0 120.1 ± 0.09423
140
135
130
125
120
115
110
105

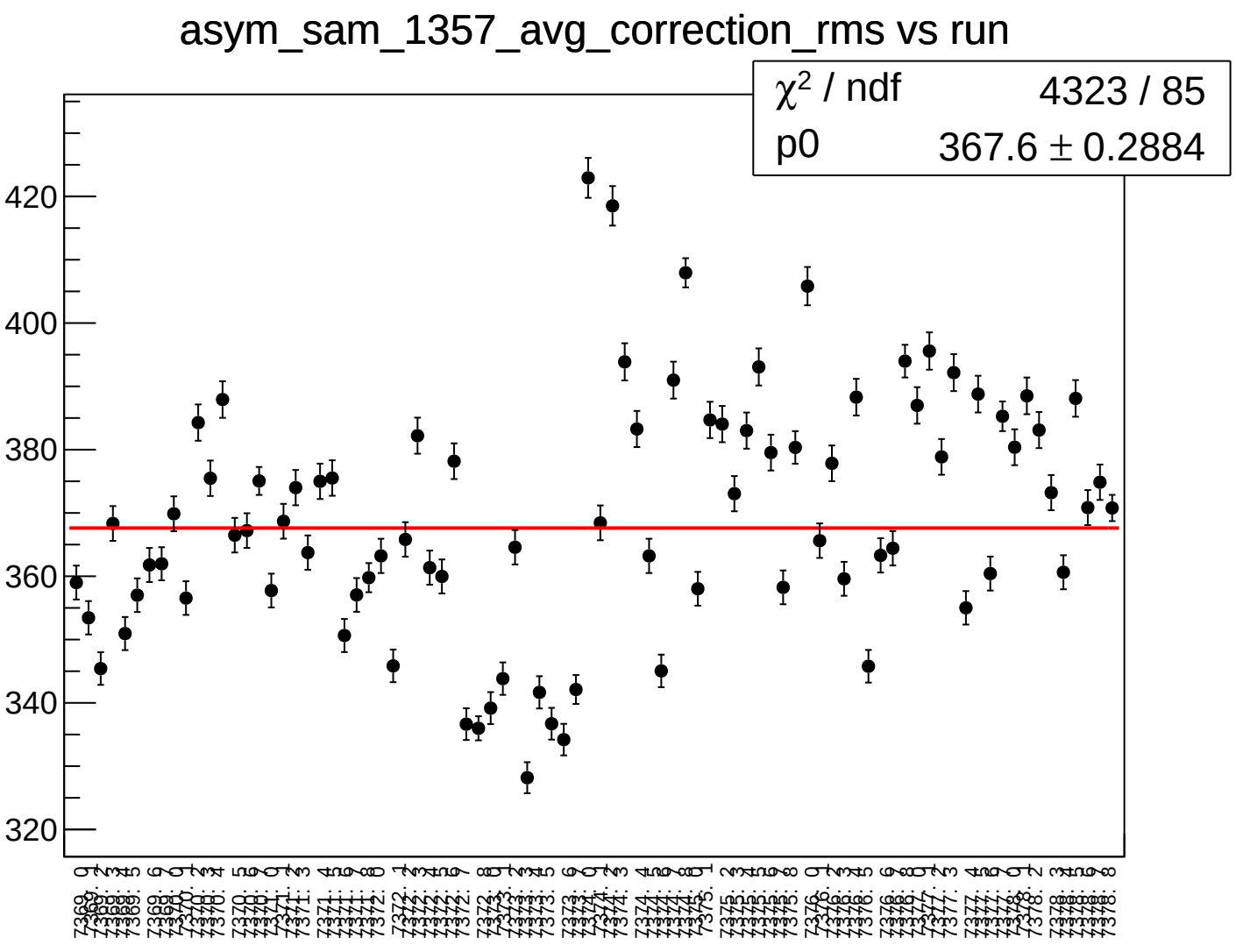

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 87.59 / 85
p0 94.26 ± 120
pull
Entries 86
Mean −237.6
Std Dev 243.5

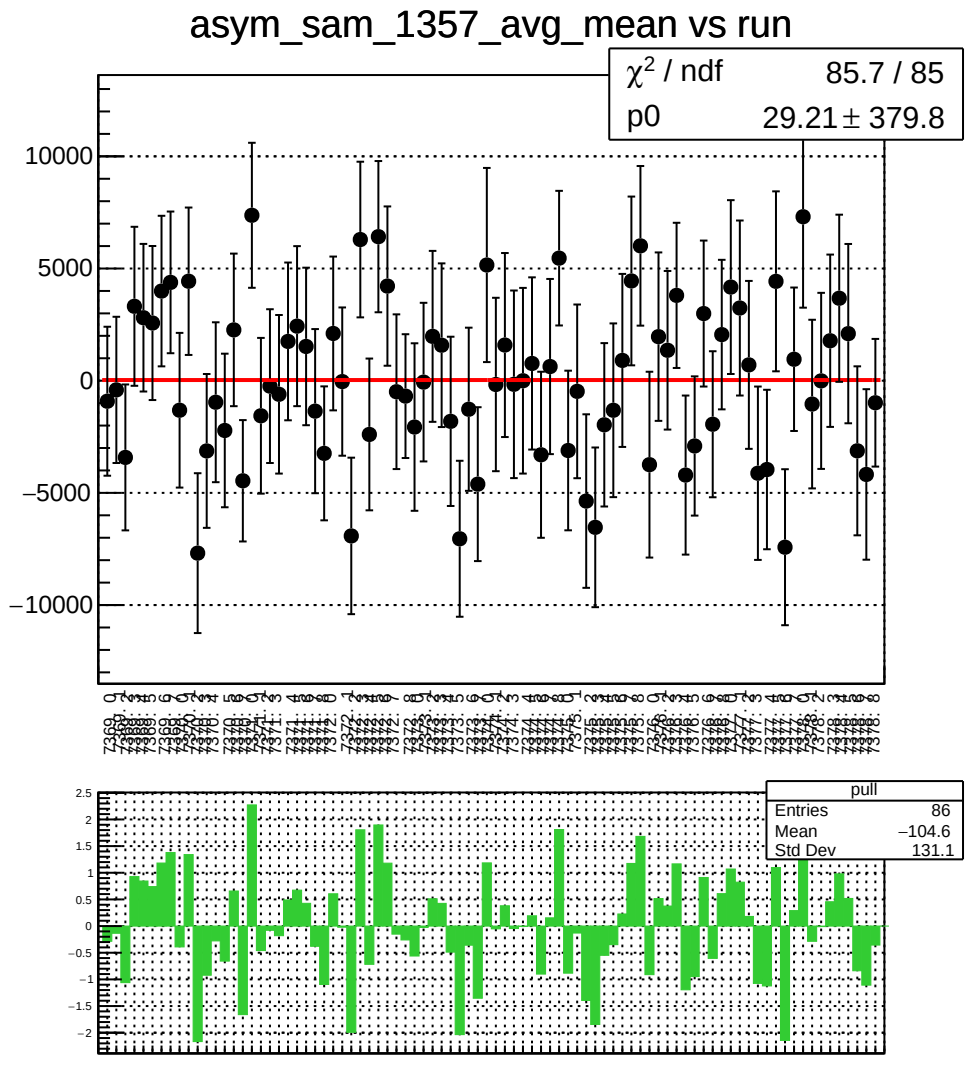

pull1D
Entries 86
Mean 0.002888
Std Dev 1.009

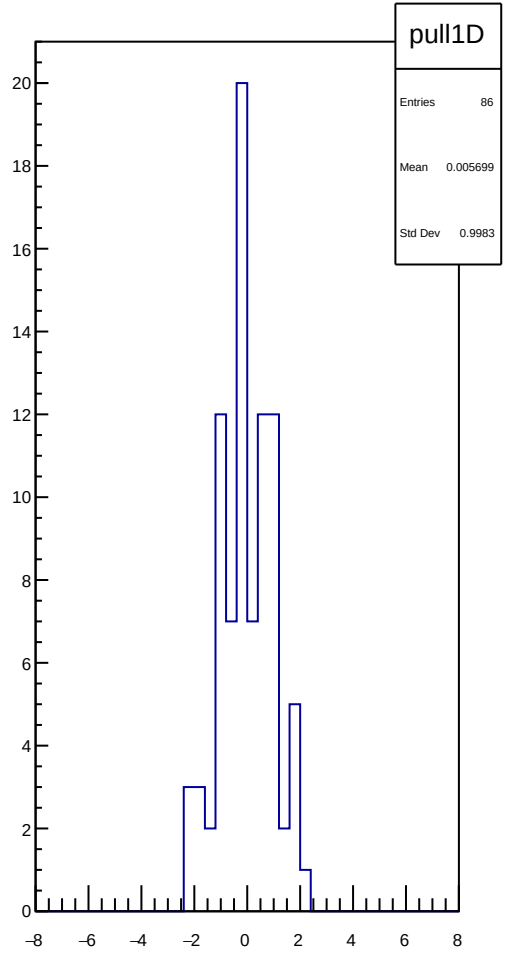

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 1.257e+05 / 85
p0 104.1 ± 0.08485
200
180
160
140
120
100
80
60

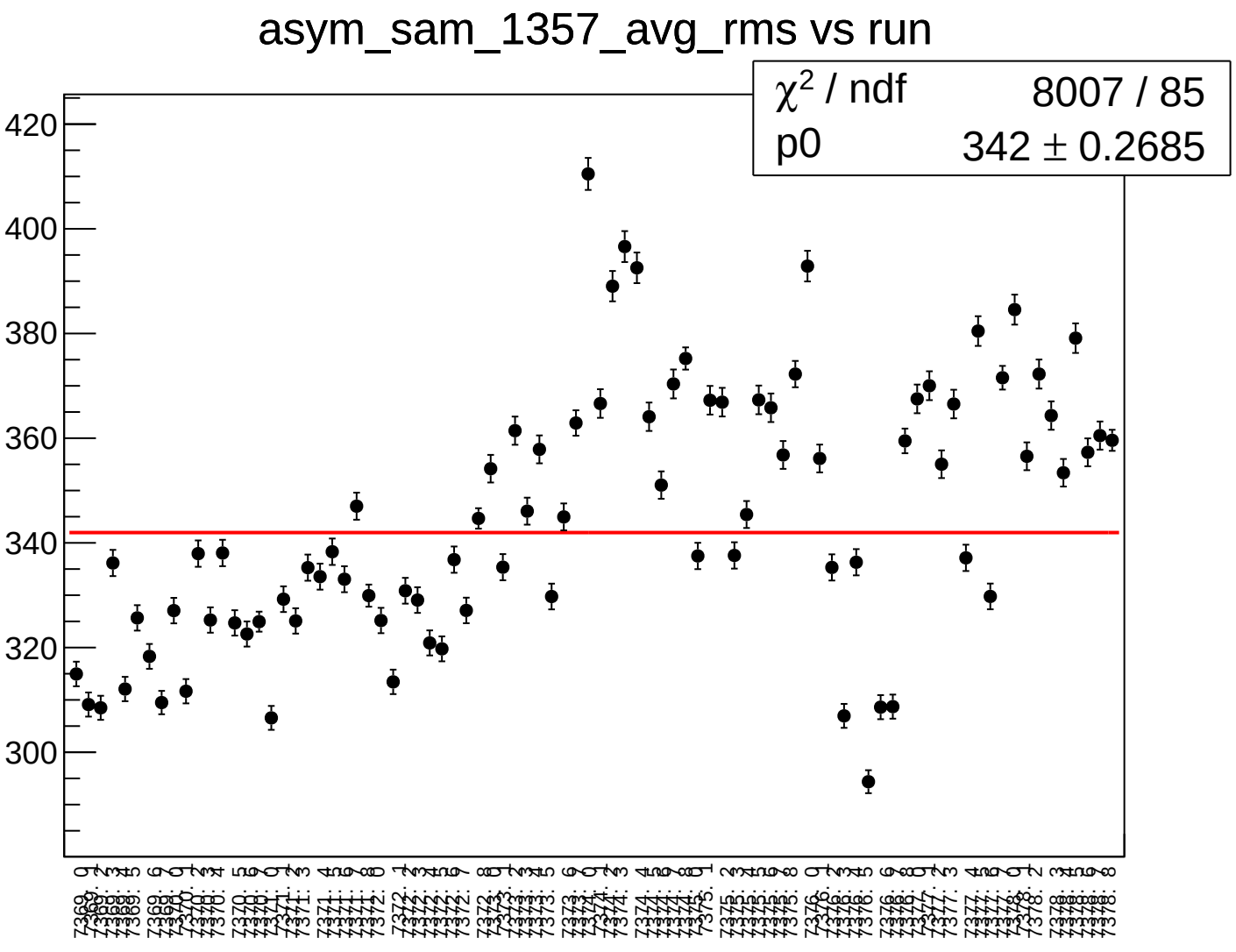

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 101.5 / 85
p0 203.1 ± 407.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −29.48
Std Dev 52.25
2
1
0
−1
−2
−3

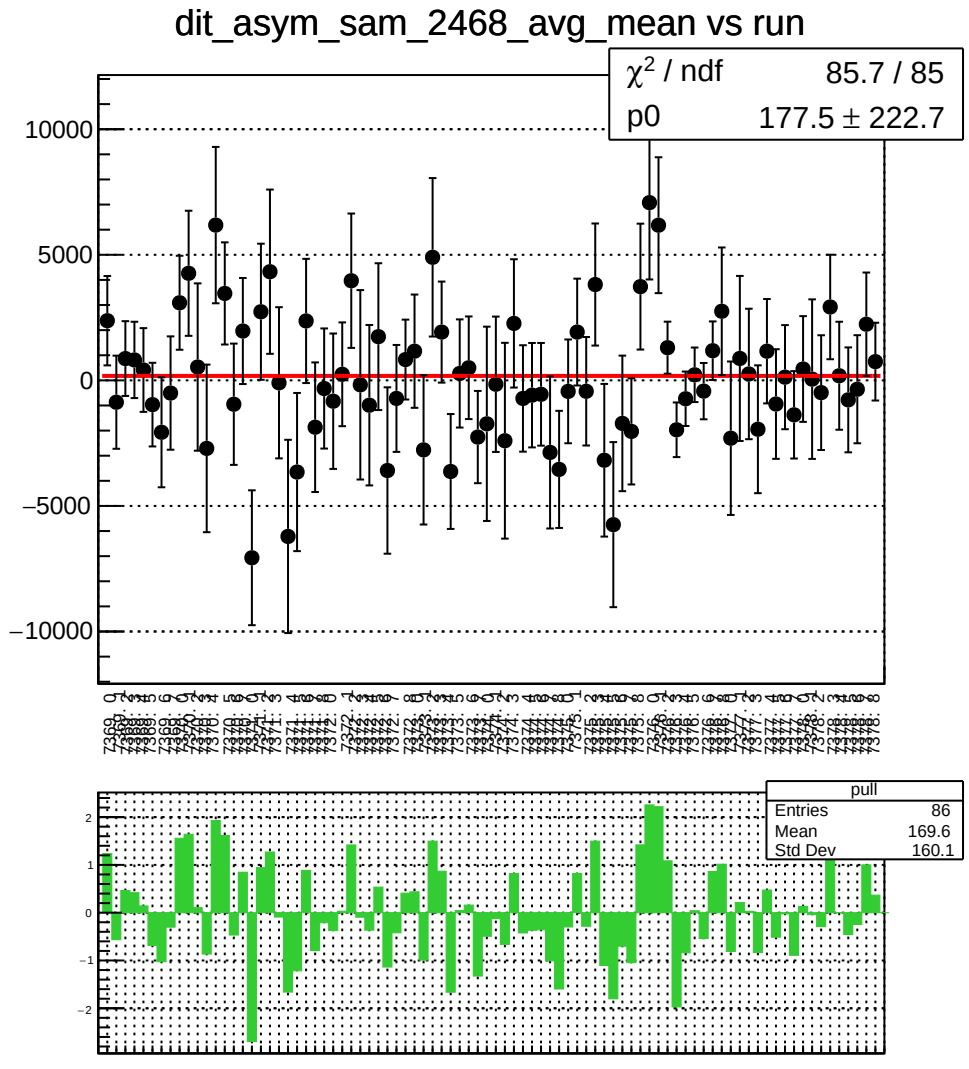

pull1D
Entries 86
Mean −0.01144
Std Dev 1.086
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

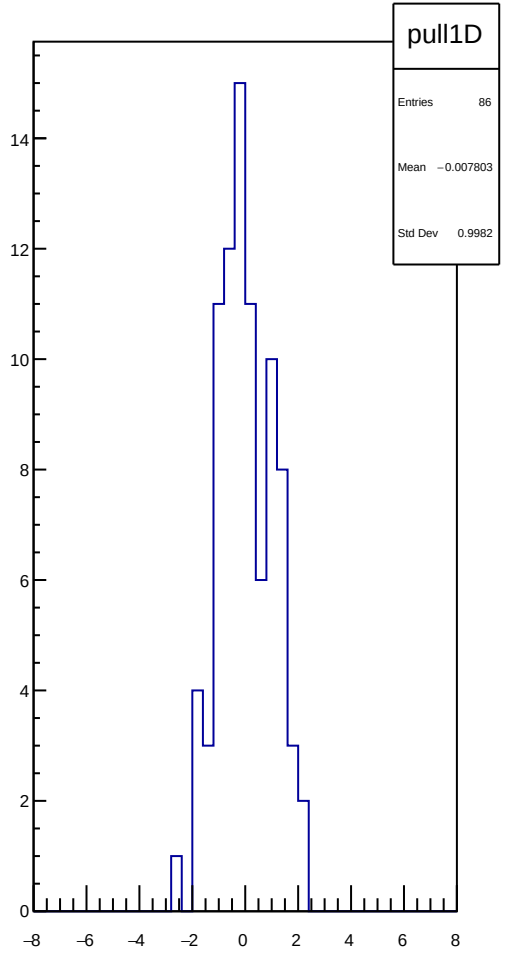

asym_sam_1357_avg_correction_rms vs run
χ² / ndf 4323 / 85
p0 367.6 ± 0.2884
420
400
380
360
340
320

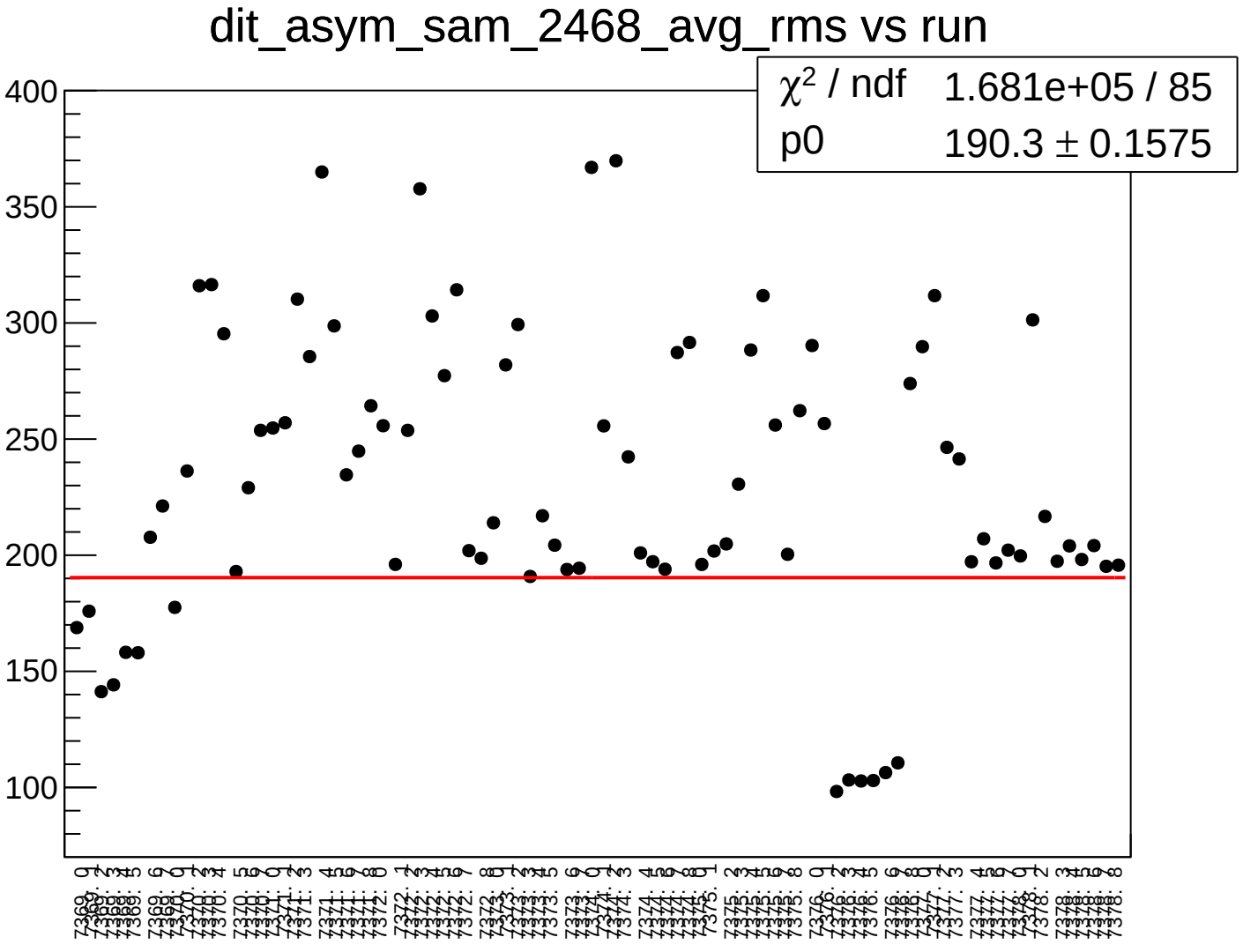

asym_sam_1357_avg_mean vs run
$\chi^2$ / ndf 85.7 / 85
p0 29.21 ± 379.8
10000
5000
0
−5000
−10000
pull
Entries 86
Mean −104.6
Std Dev 131.1
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

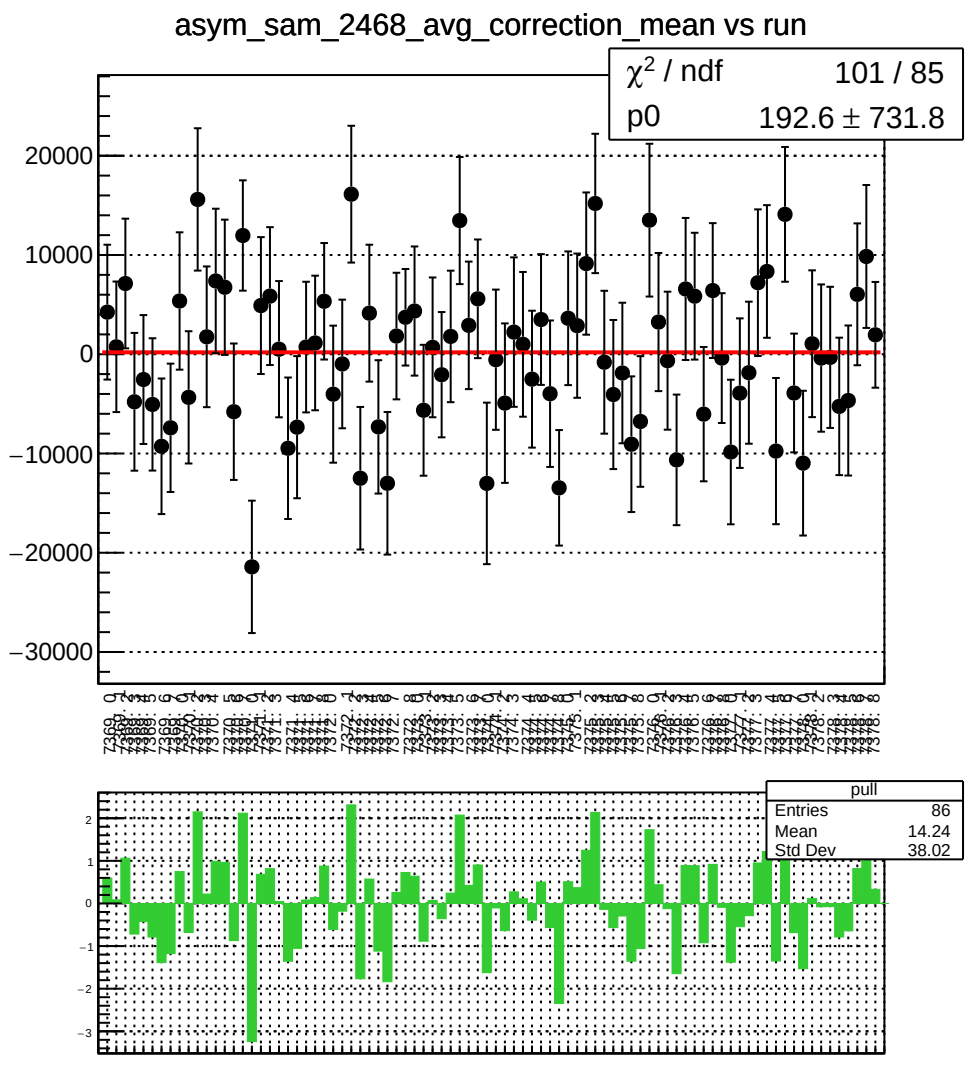

pull1D
Entries 86
Mean 0.005699
Std Dev 0.9983
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

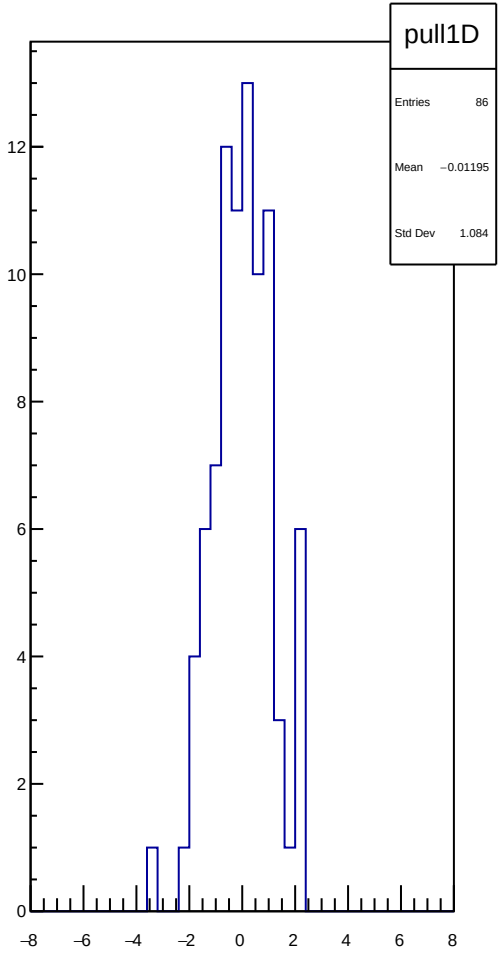

asym_sam_1357_avg_rms vs run
χ² / ndf 8007 / 85
p0 342 ± 0.2685
420
400
380
360
340
320
300

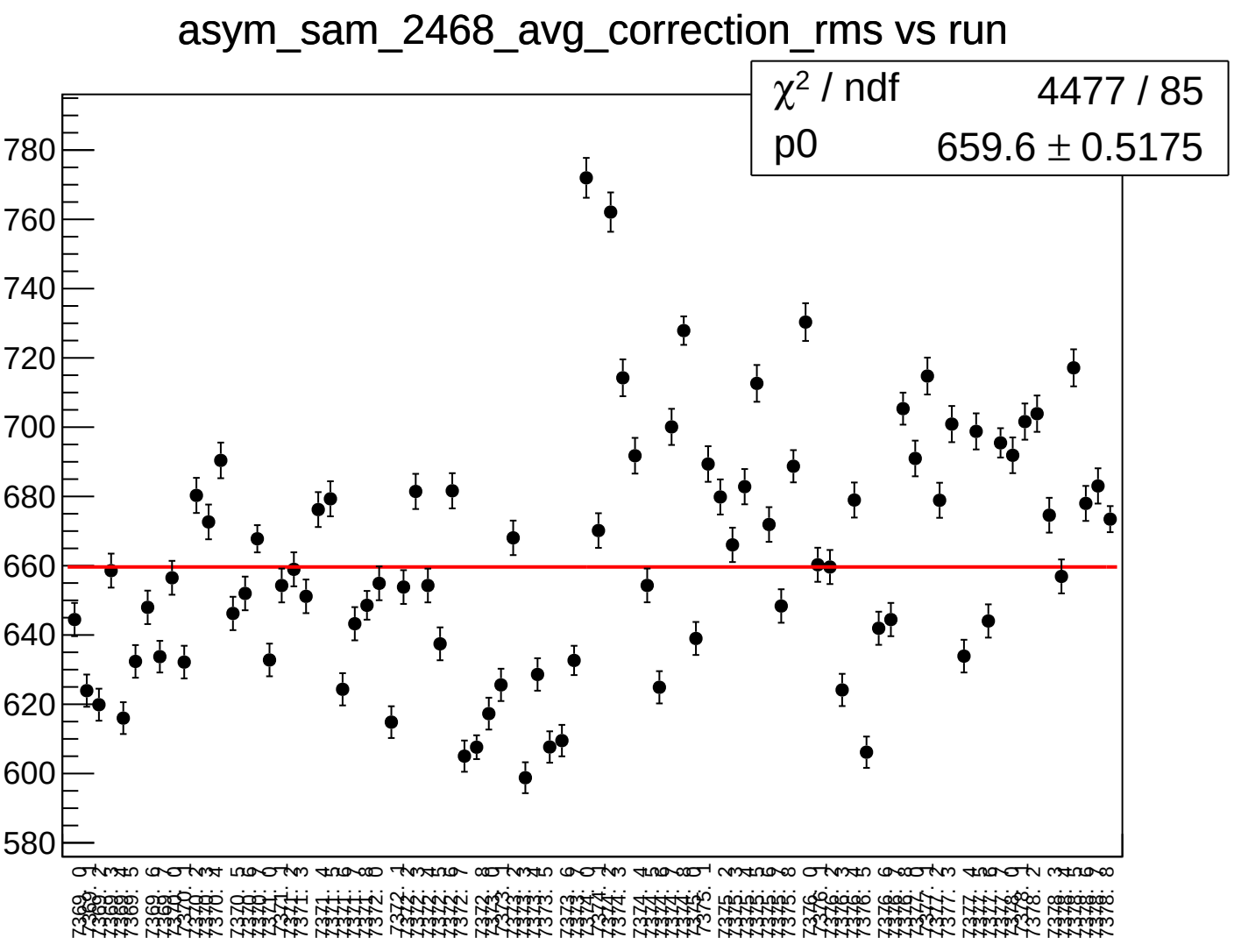

dit_asym_sam_2468_avg_mean vs run
$\chi^2$ / ndf 85.7 / 85
p0 177.5 ± 222.7
10000
5000
0
−5000
−10000
pull
Entries 86
Mean 169.6
Std Dev 160.1
2
1
0
−1
−2

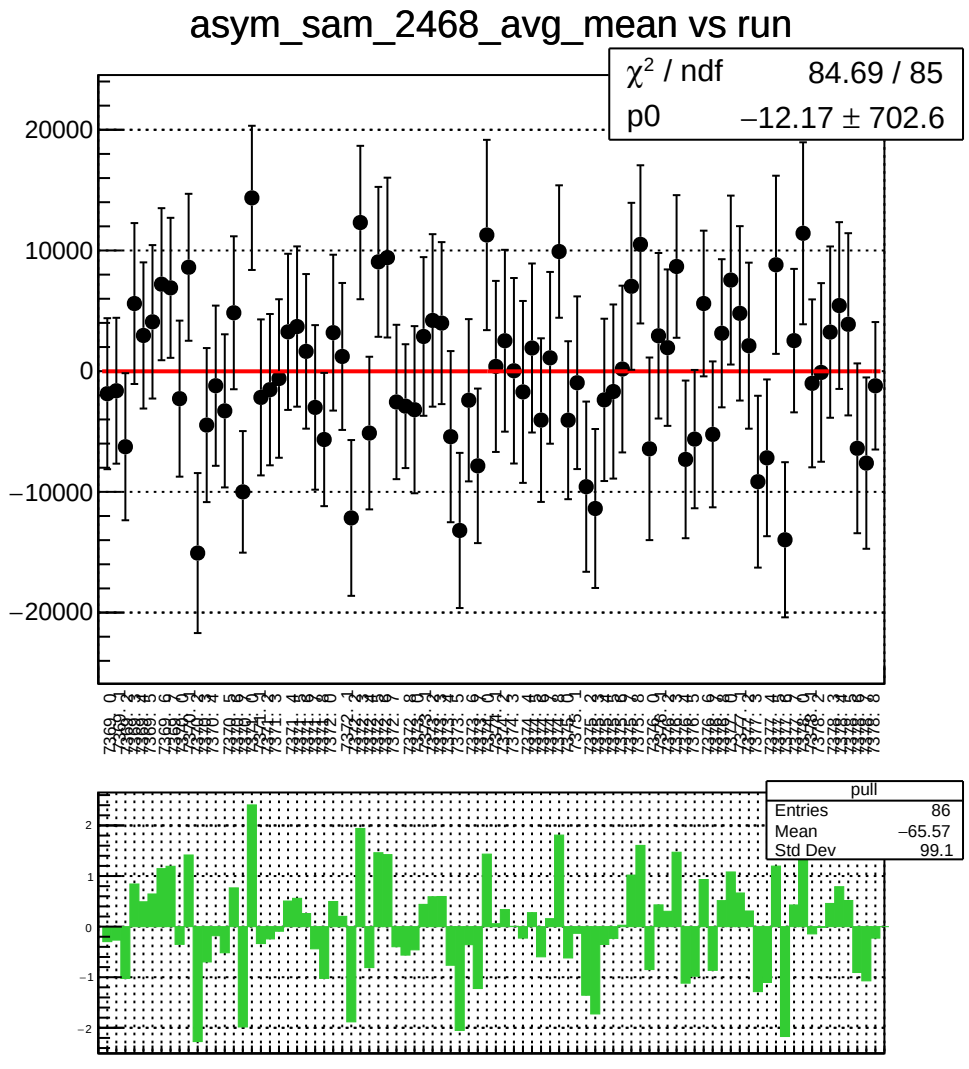

pull1D
Entries 86
Mean −0.007803
Std Dev 0.9982
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

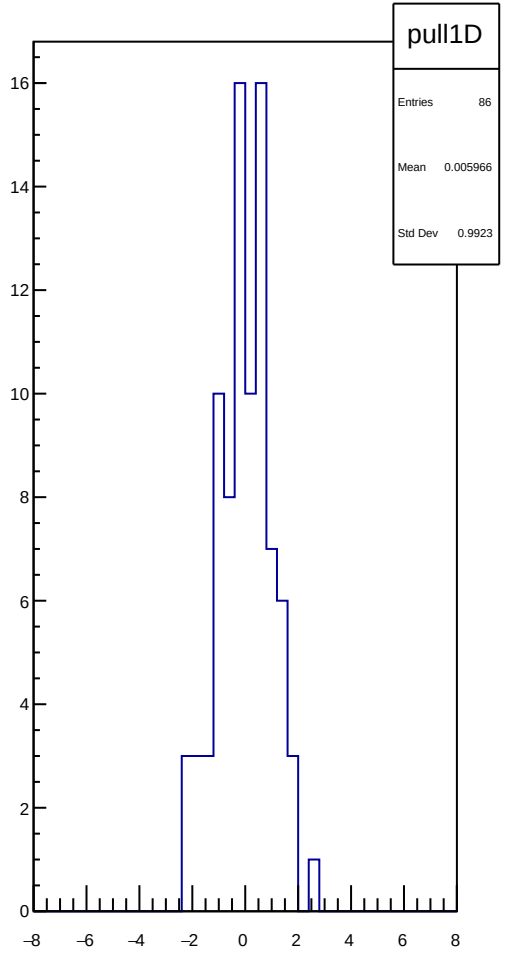

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 1.681e+05 / 85
p0 190.3 ± 0.1575
400
350
300
250
200
150
100

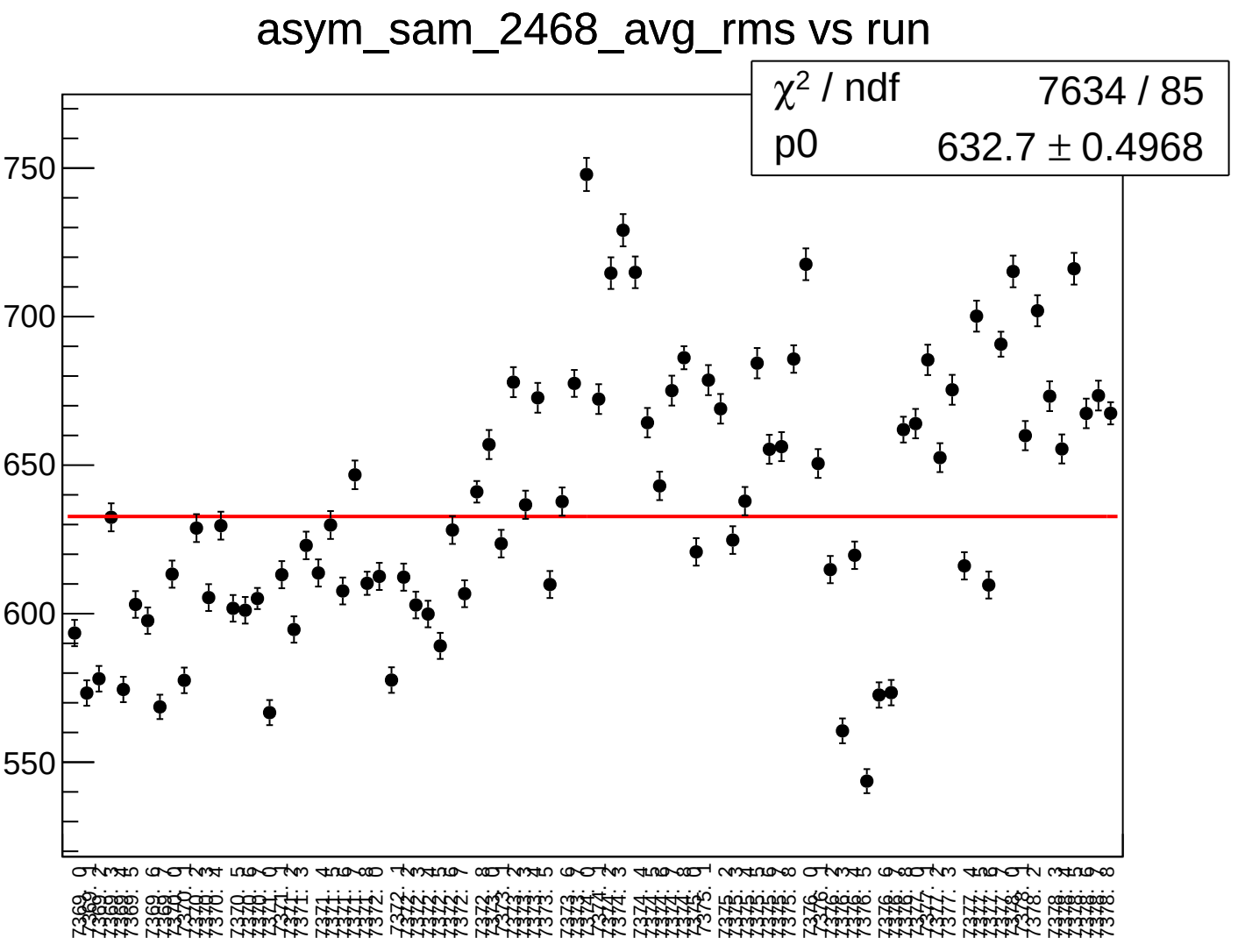

asym_sam_2468_avg_correction_mean vs run
χ² / ndf 101 / 85
p0 192.6 ± 731.8
pull
Entries 86
Mean 14.24
Std Dev 38.02

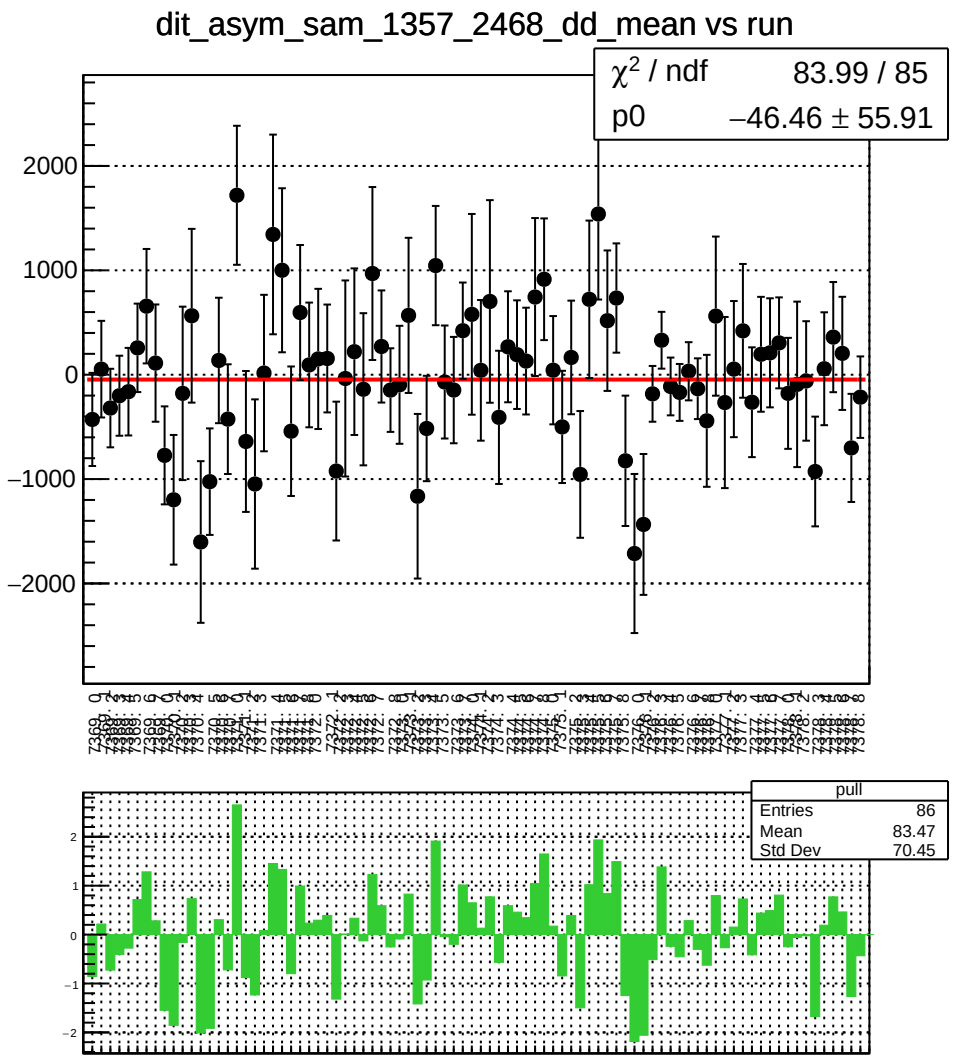

pull1D
Entries 86
Mean −0.01195
Std Dev 1.084

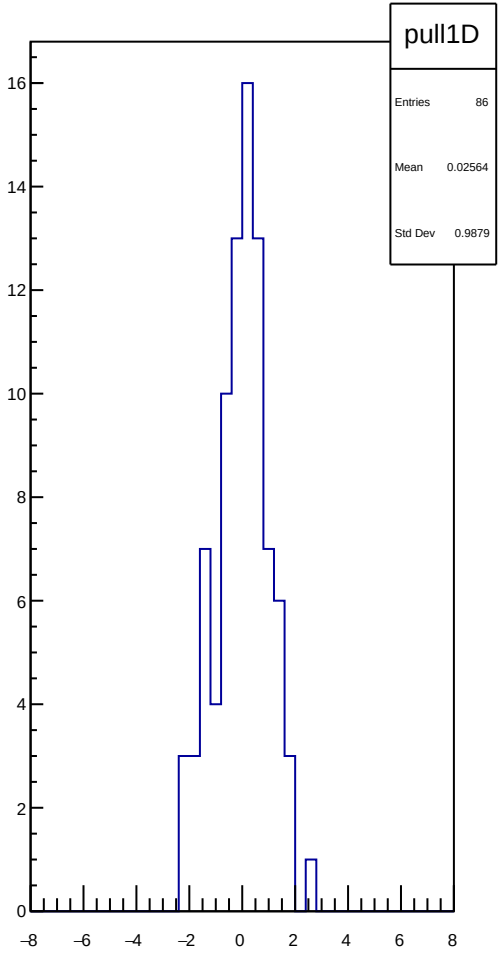

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 4477 / 85
p0 659.6 ± 0.5175
780
760
740
720
700
680
660
640
620
600
580

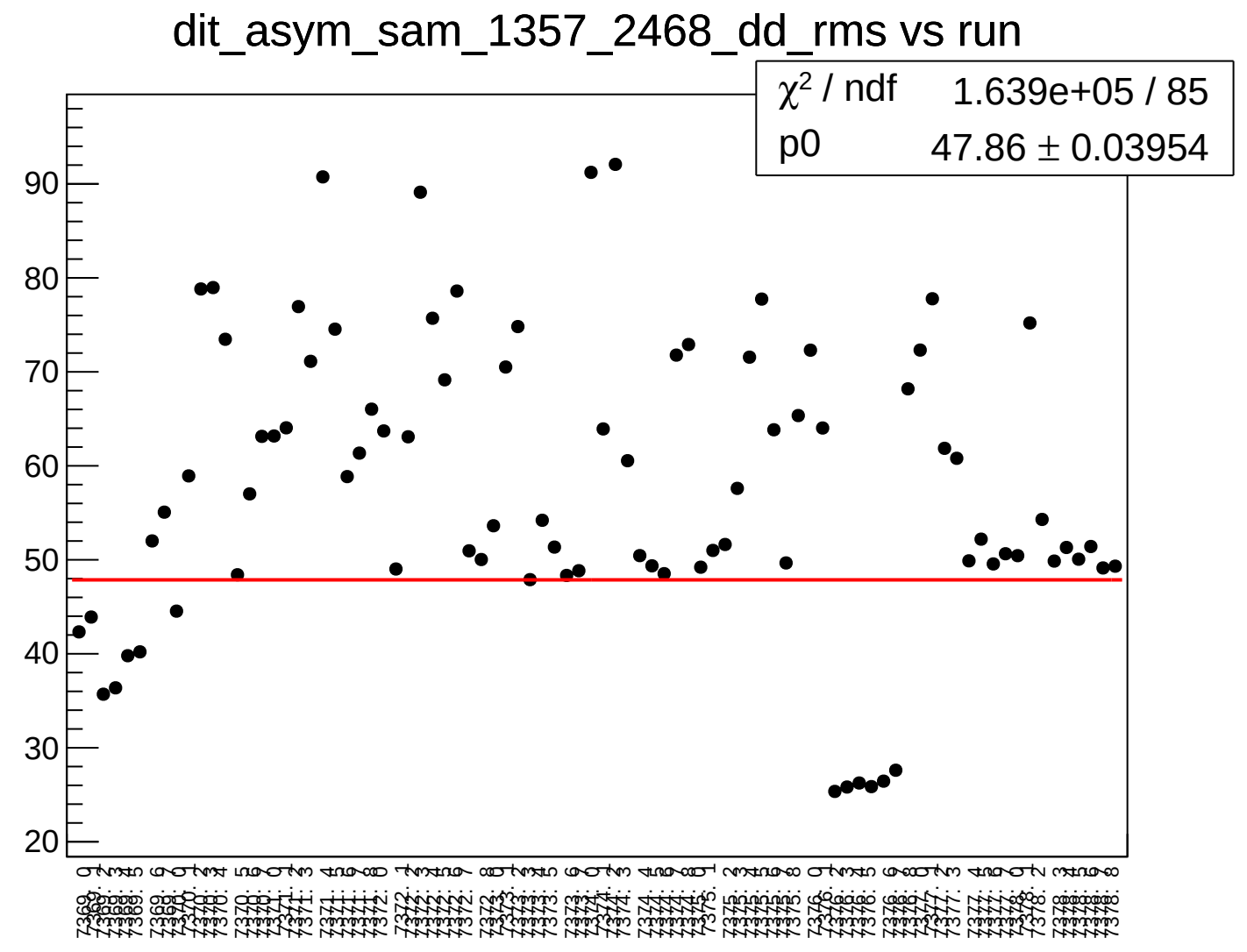

asym_sam_2468_avg_mean vs run
χ² / ndf 84.69 / 85
p0 −12.17 ± 702.6
20000
10000
0
−10000
−20000
pull
Entries 86
Mean −65.57
Std Dev 99.1
2
1
0
−1
−2

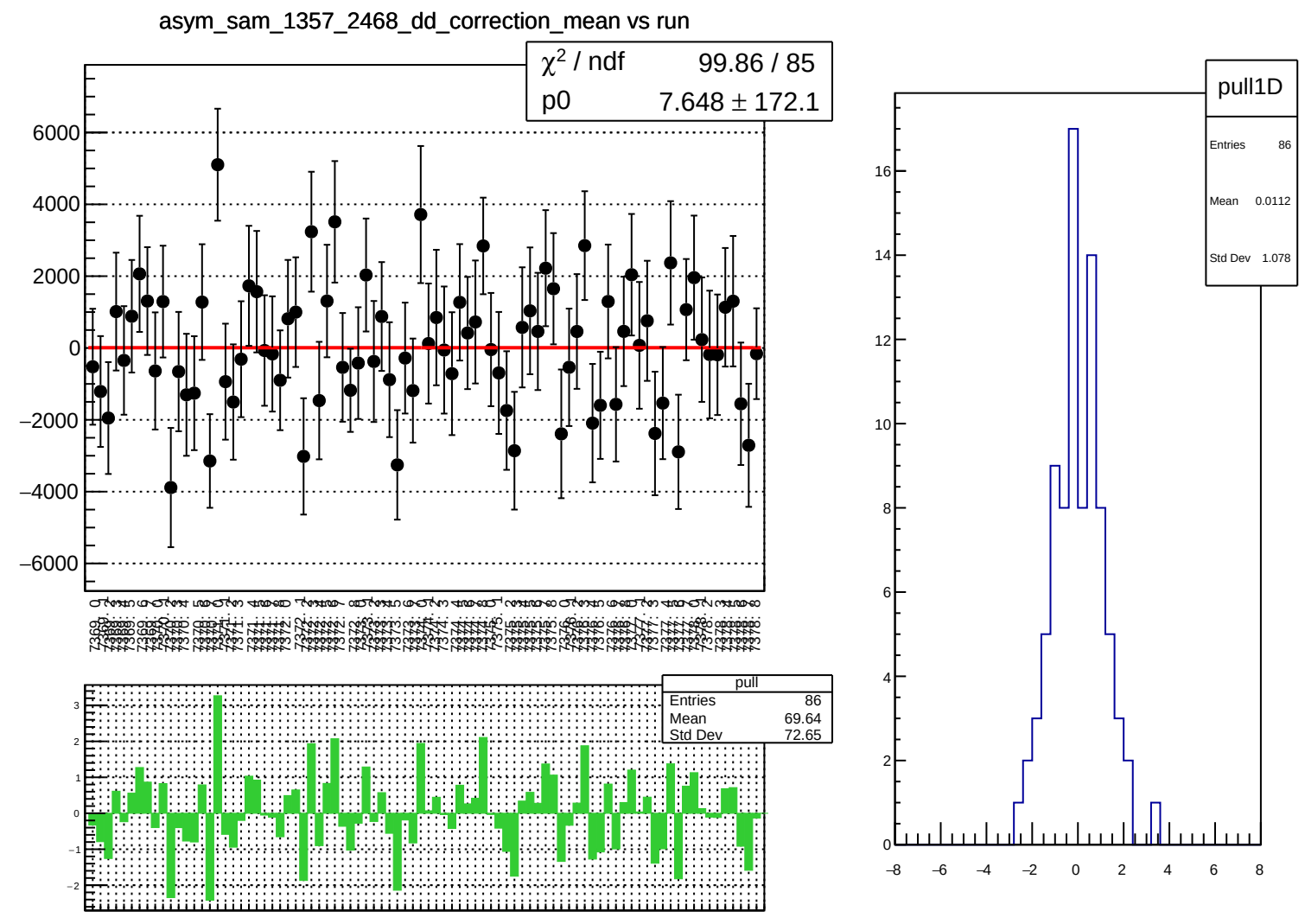

pull1D
Entries 86
Mean 0.005966
Std Dev 0.9923
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

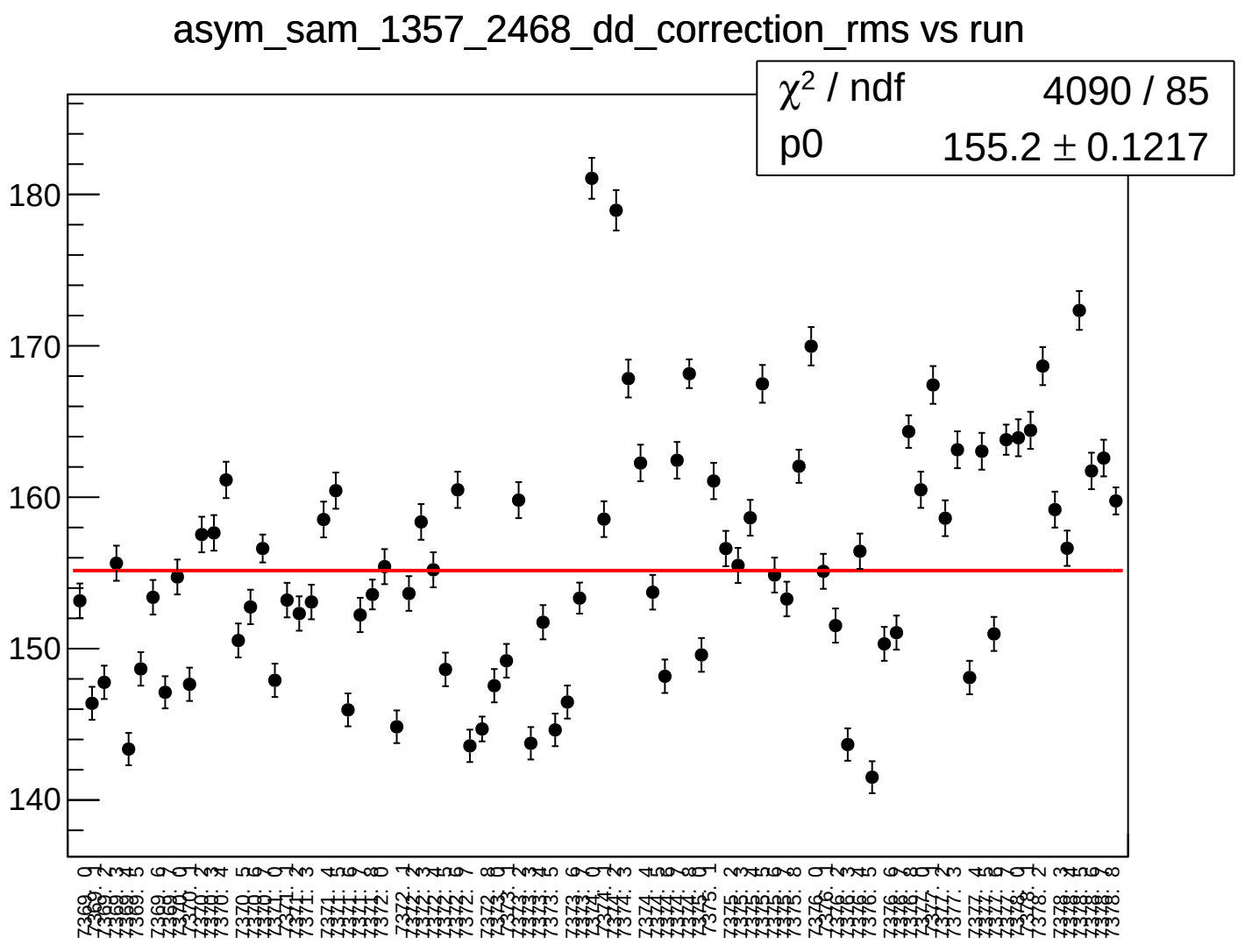

asym_sam_2468_avg_rms vs run
χ² / ndf 7634 / 85
p0 632.7 ± 0.4968
750
700
650
600
550

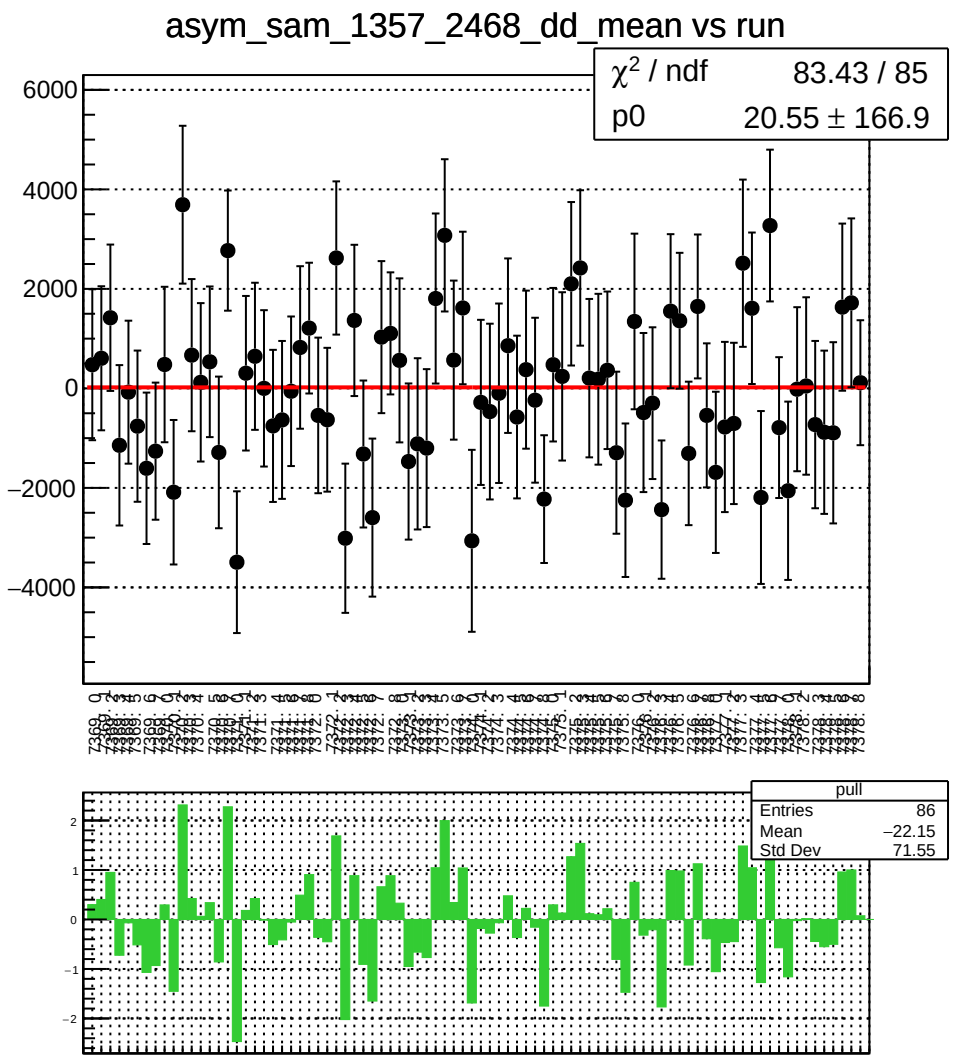

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 83.99 / 85
p0 −46.46 ± 55.91
pull
Entries 86
Mean 83.47
Std Dev 70.45

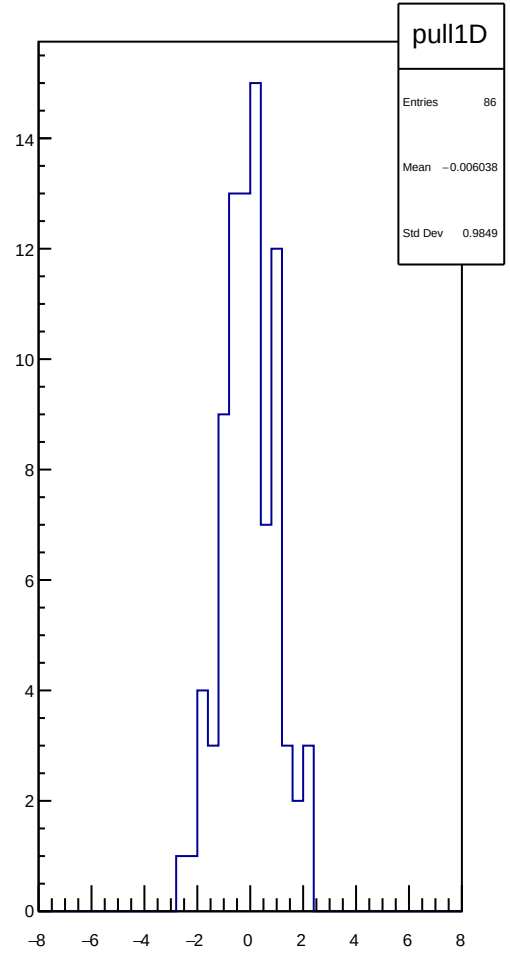

pull1D
Entries 86
Mean 0.02564
Std Dev 0.9879

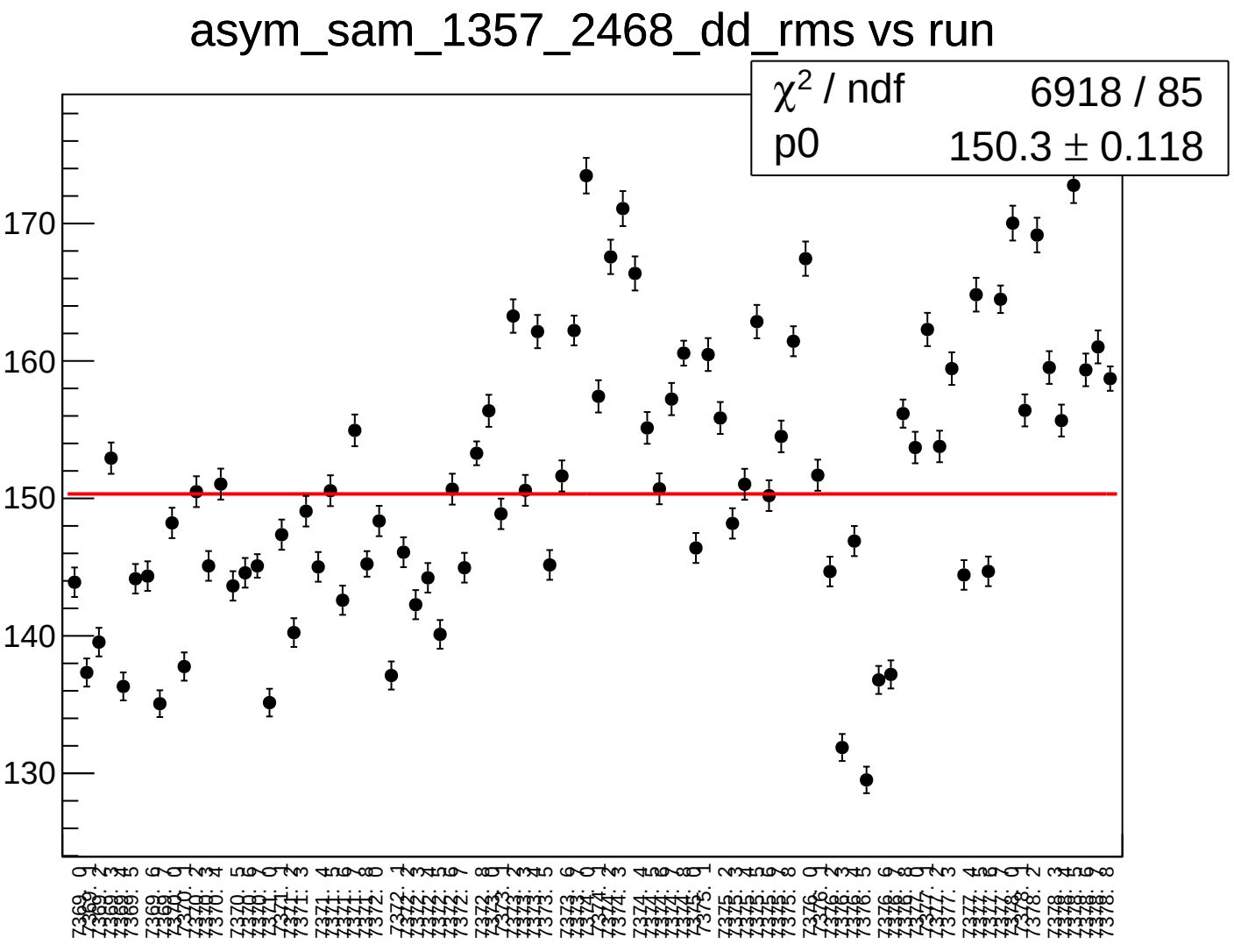

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.639e+05 / 85
p0 47.86 ± 0.03954
90
80
70
60
50
40
30
20

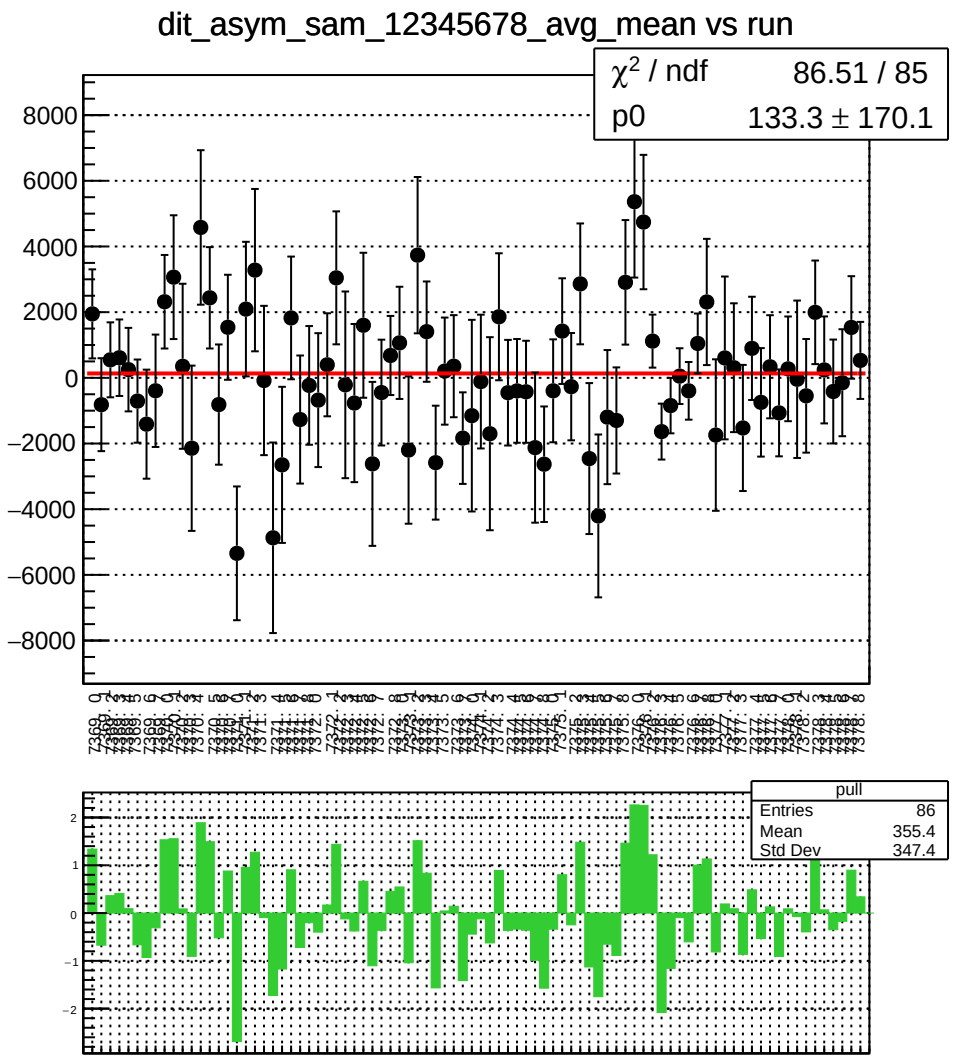

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 99.86 / 85
p0 7.648 ± 172.1
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 86
Mean 69.64
Std Dev 72.65
pull1D
Entries 86
Mean 0.0112
Std Dev 1.078
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

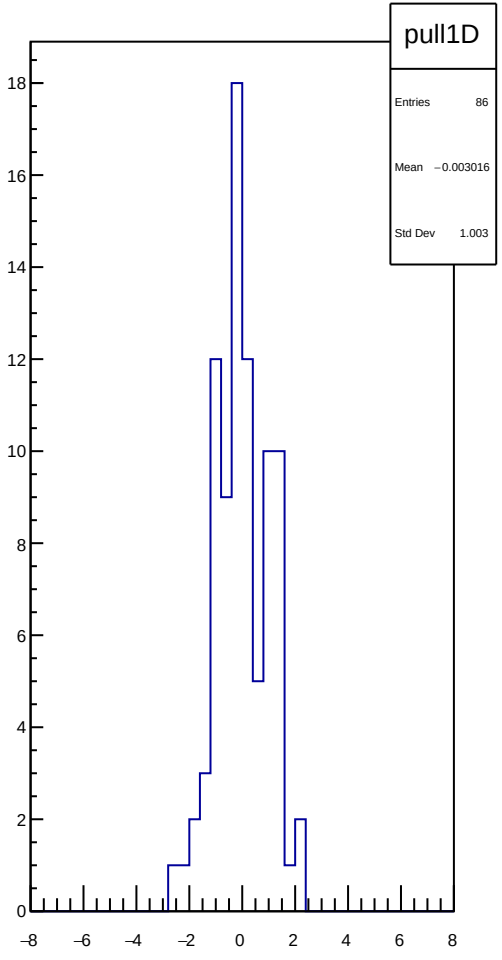

asym_sam_1357_2468_dd_correction_rms vs run
χ² / ndf 4090 / 85
p0 155.2 ± 0.1217
180
170
160
150
140

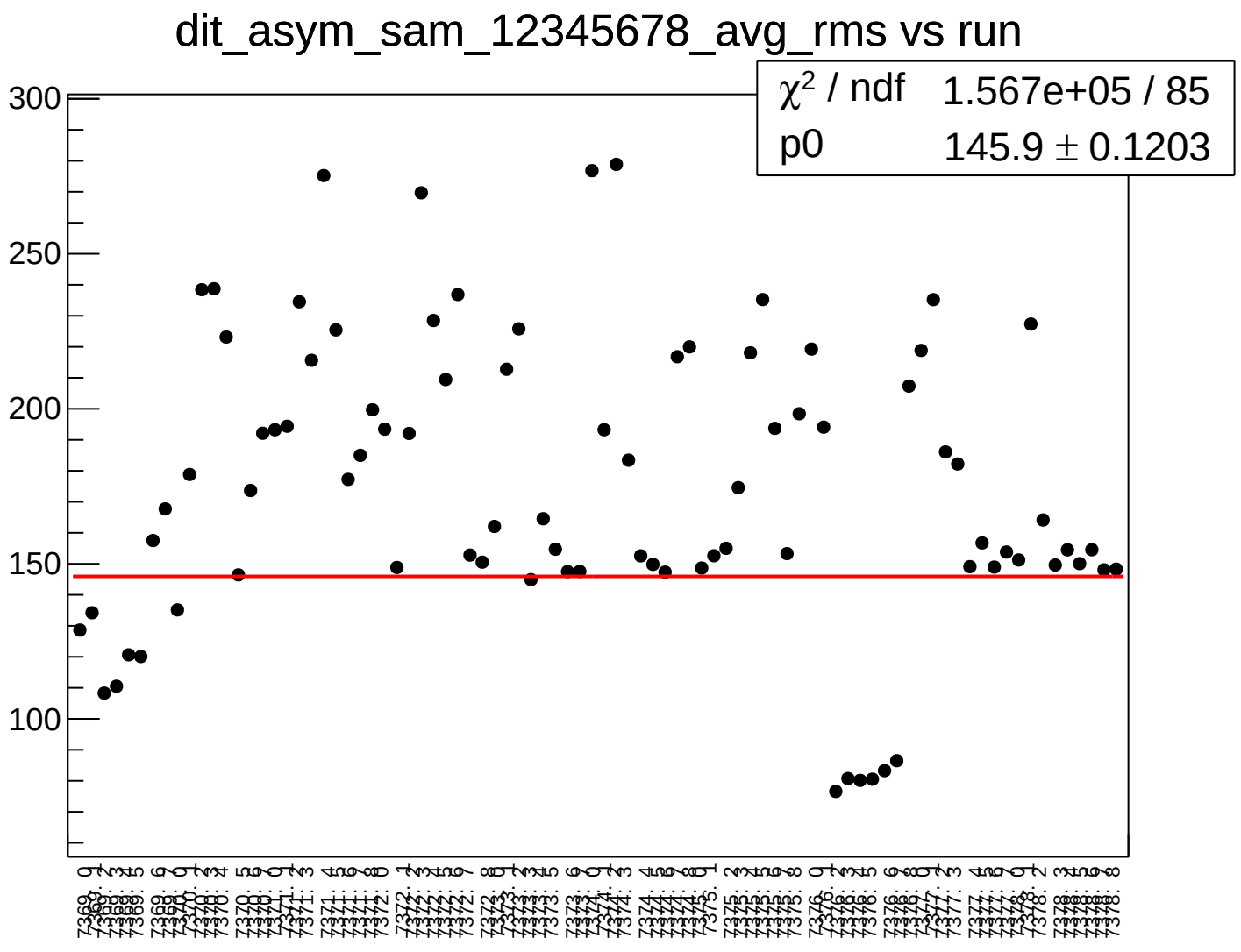

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 83.43 / 85
p0 20.55 ± 166.9
6000
4000
2000
0
−2000
−4000
pull
Entries 86
Mean −22.15
Std Dev 71.55
2
1
0
−1
−2

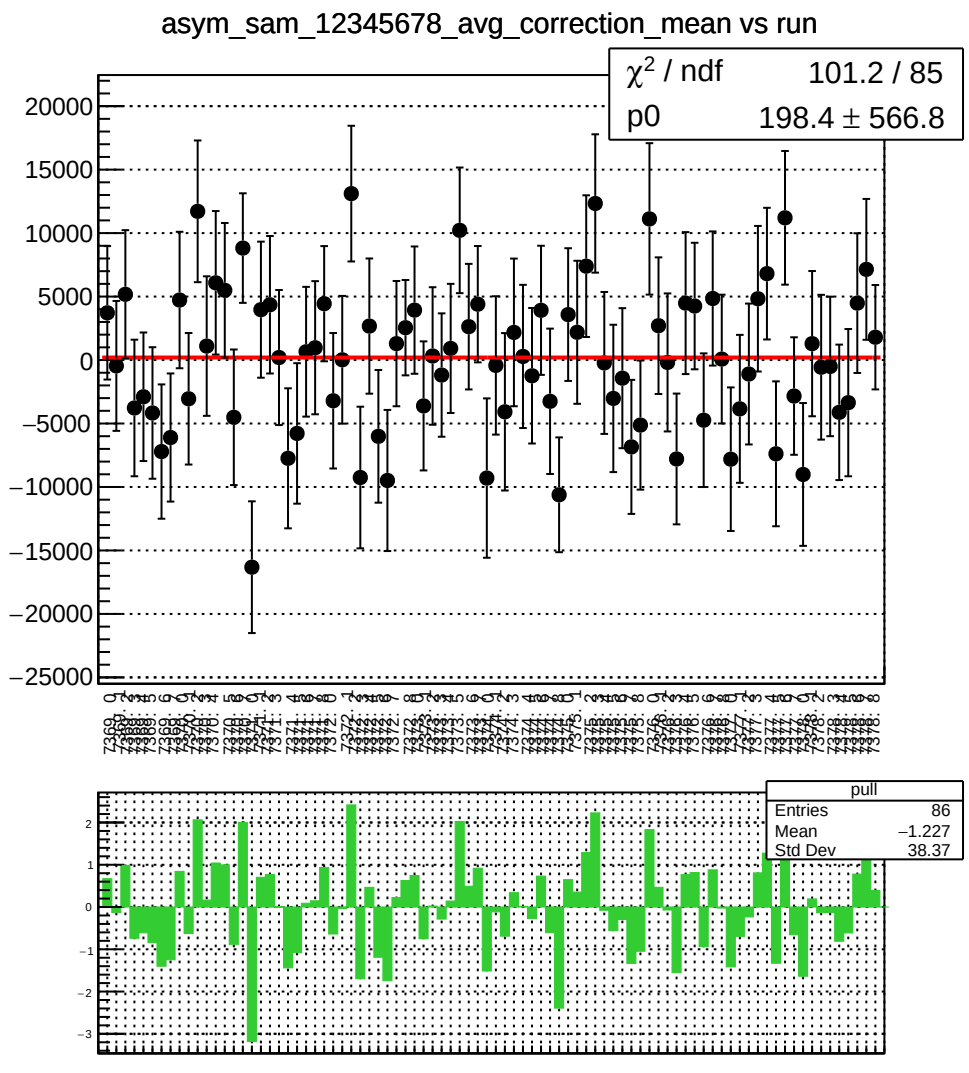

pull1D
Entries 86
Mean −0.006038
Std Dev 0.9849
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

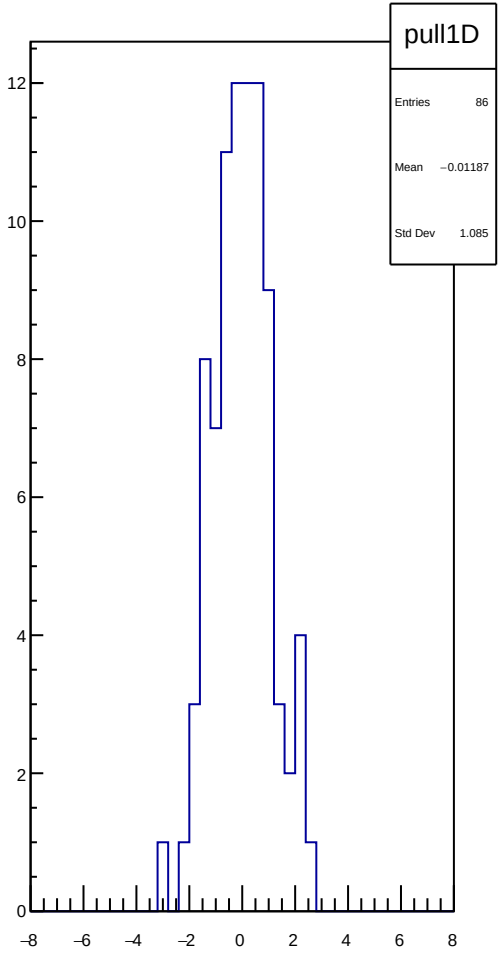

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6918 / 85
p0 150.3 ± 0.118
170
160
150
140
130

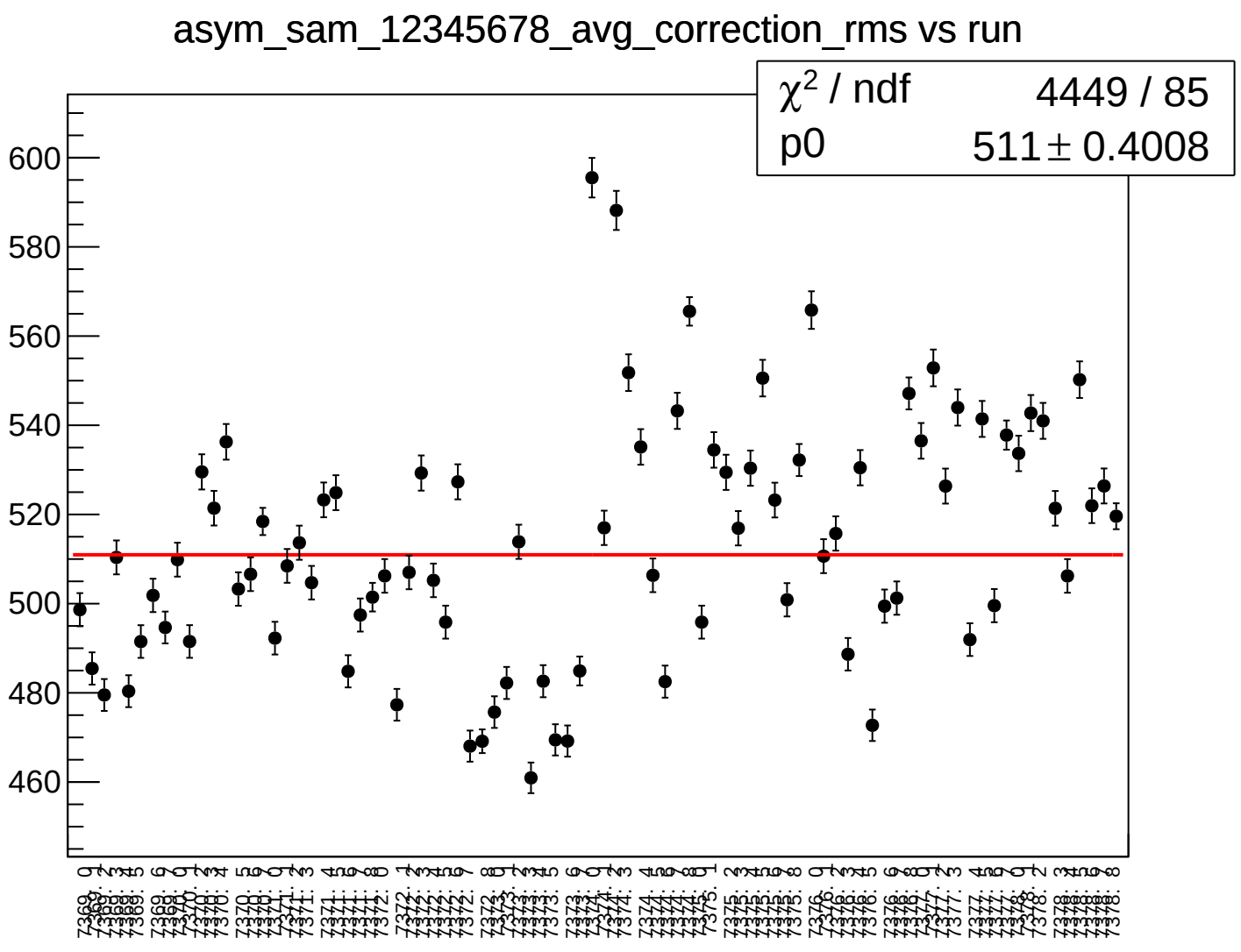

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 86.51 / 85
p0 133.3 ± 170.1
pull
Entries 86
Mean 355.4
Std Dev 347.4

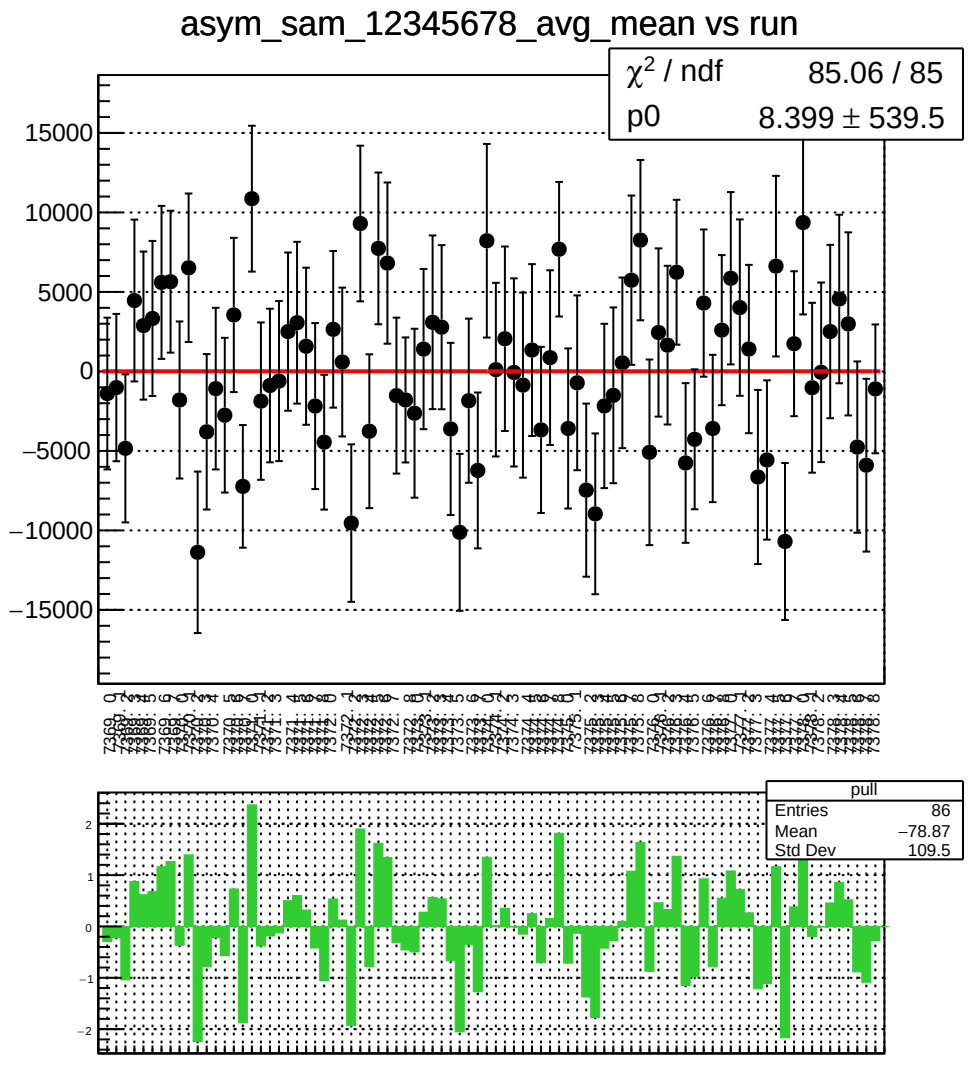

pull1D
Entries 86
Mean −0.003016
Std Dev 1.003

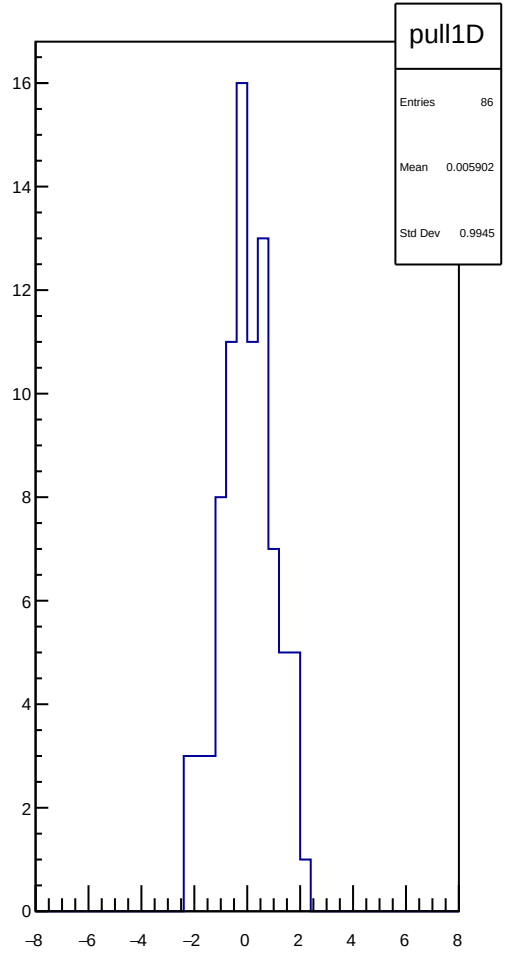

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 1.567e+05 / 85
p0 145.9 ± 0.1203
300
250
200
150
100

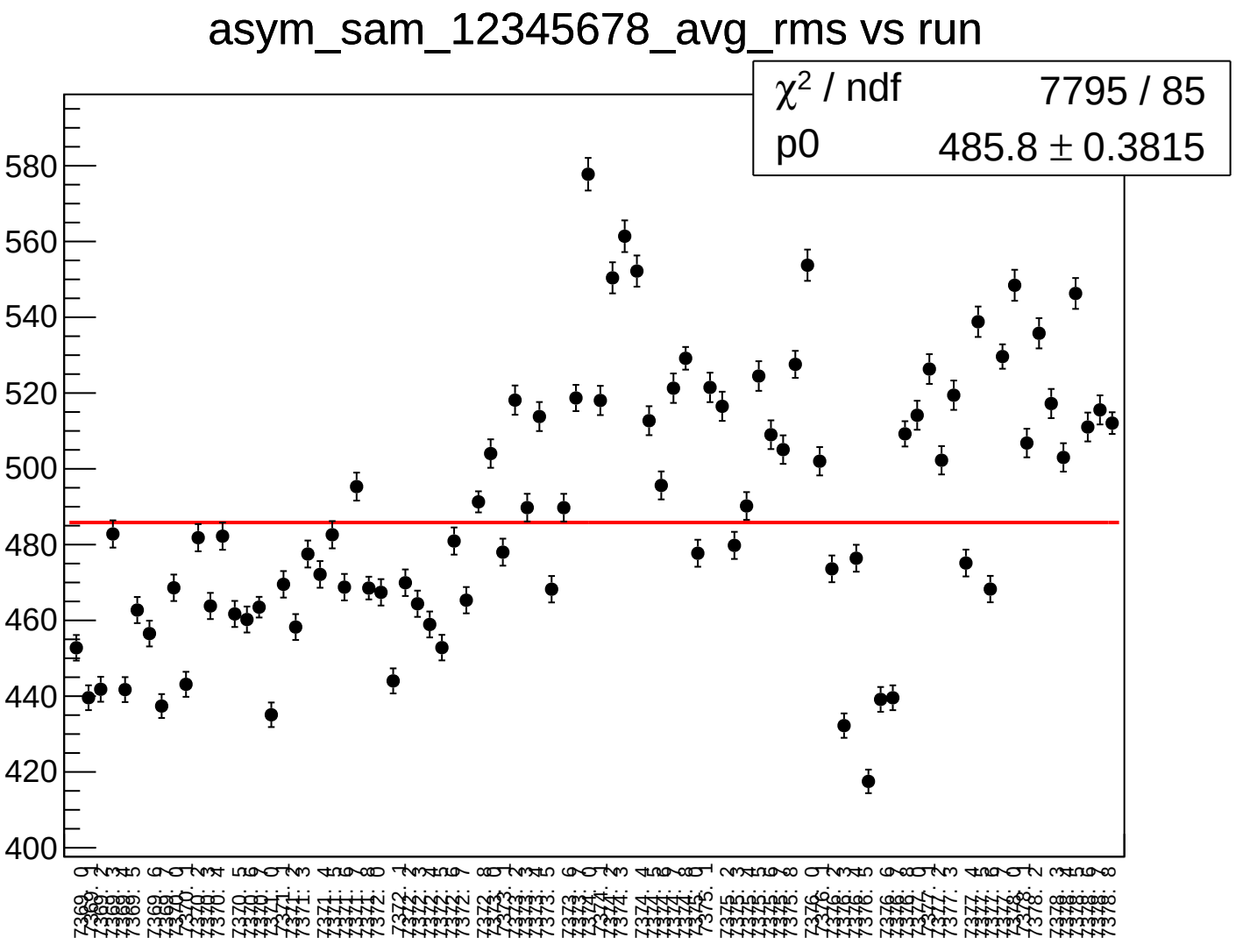

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 101.2 / 85
p0 198.4 ± 566.8
pull
Entries 86
Mean −1.227
Std Dev 38.37

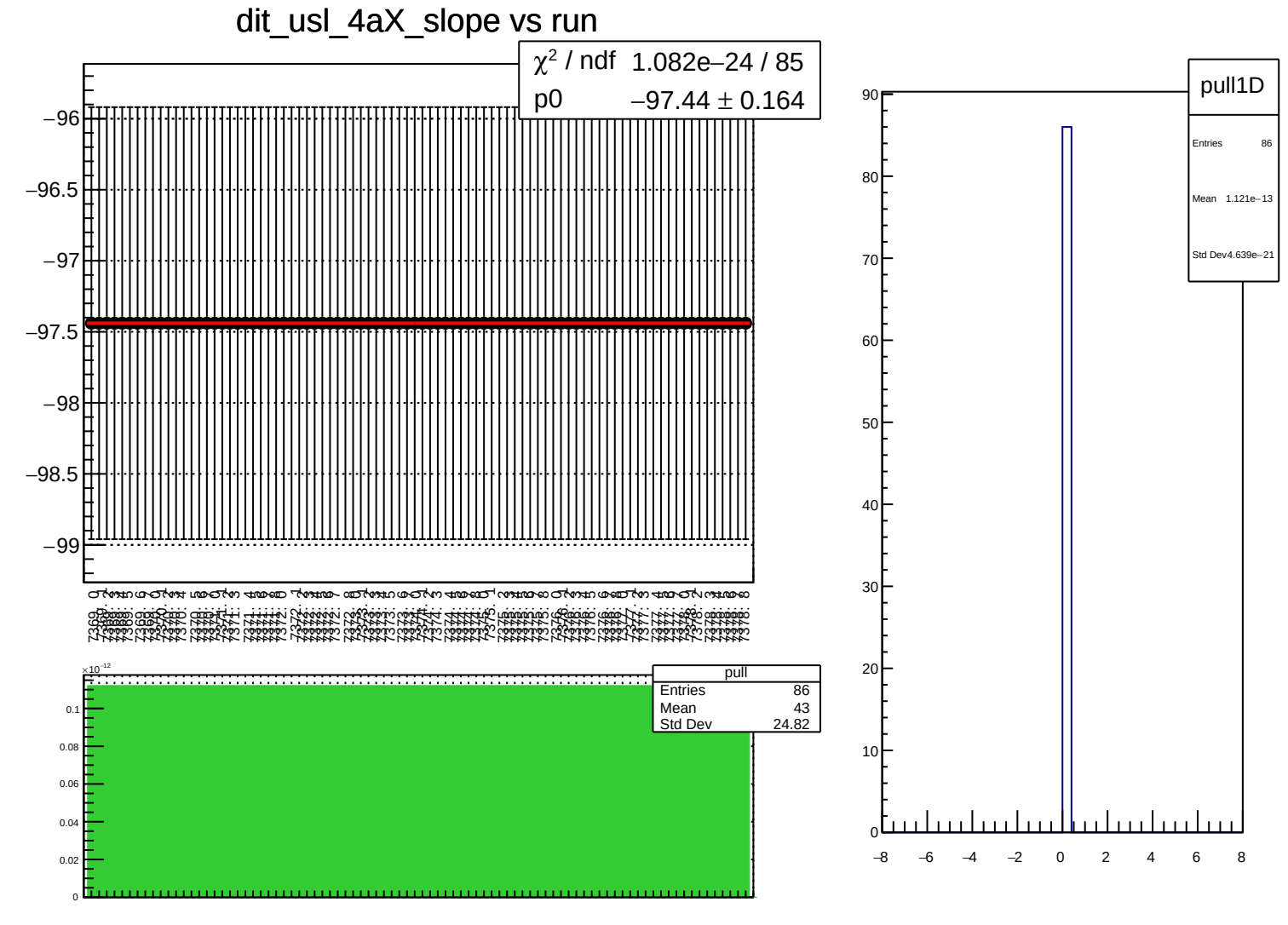

pull1D
Entries 86
Mean −0.01187
Std Dev 1.085

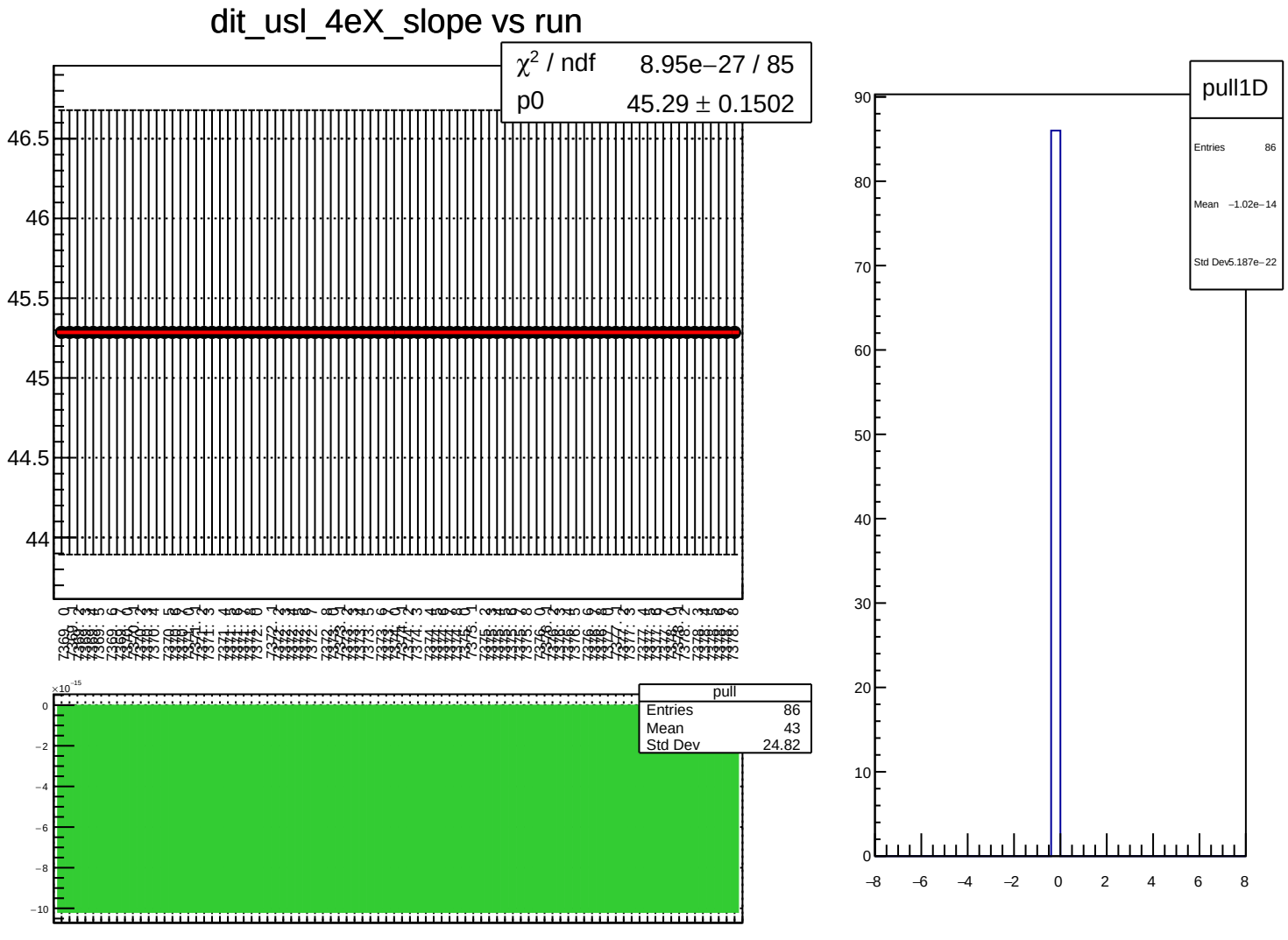

asym_sam_12345678_avg_correction_rms vs run
$\chi^2$ / ndf 4449 / 85
p0 511 ± 0.4008
600
580
560
540
520
500
480
460

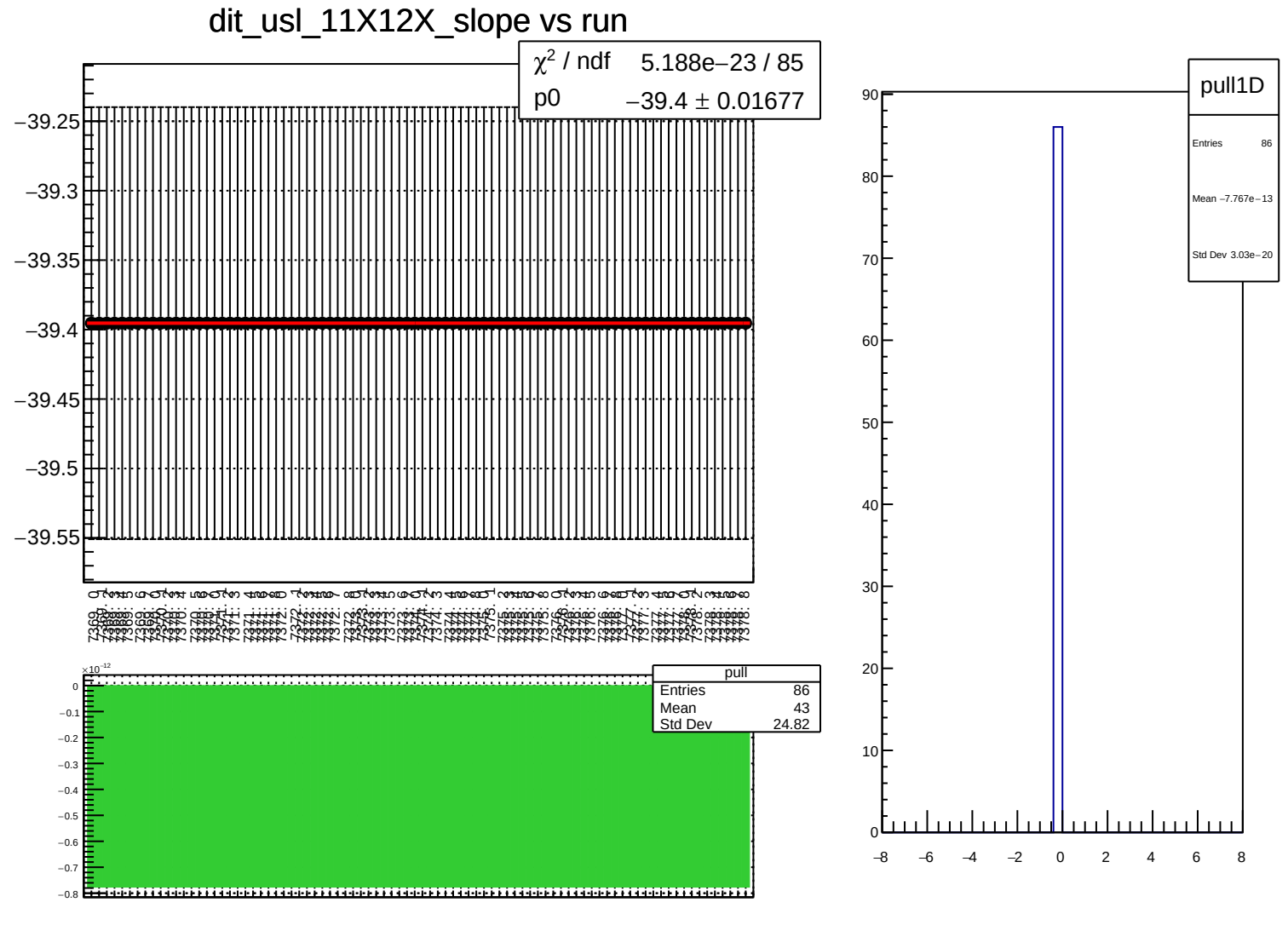

asym_sam_12345678_avg_mean vs run
χ² / ndf 85.06 / 85
p0 8.399 ± 539.5
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 86
Mean −78.87
Std Dev 109.5
2
1
0
−1
−2

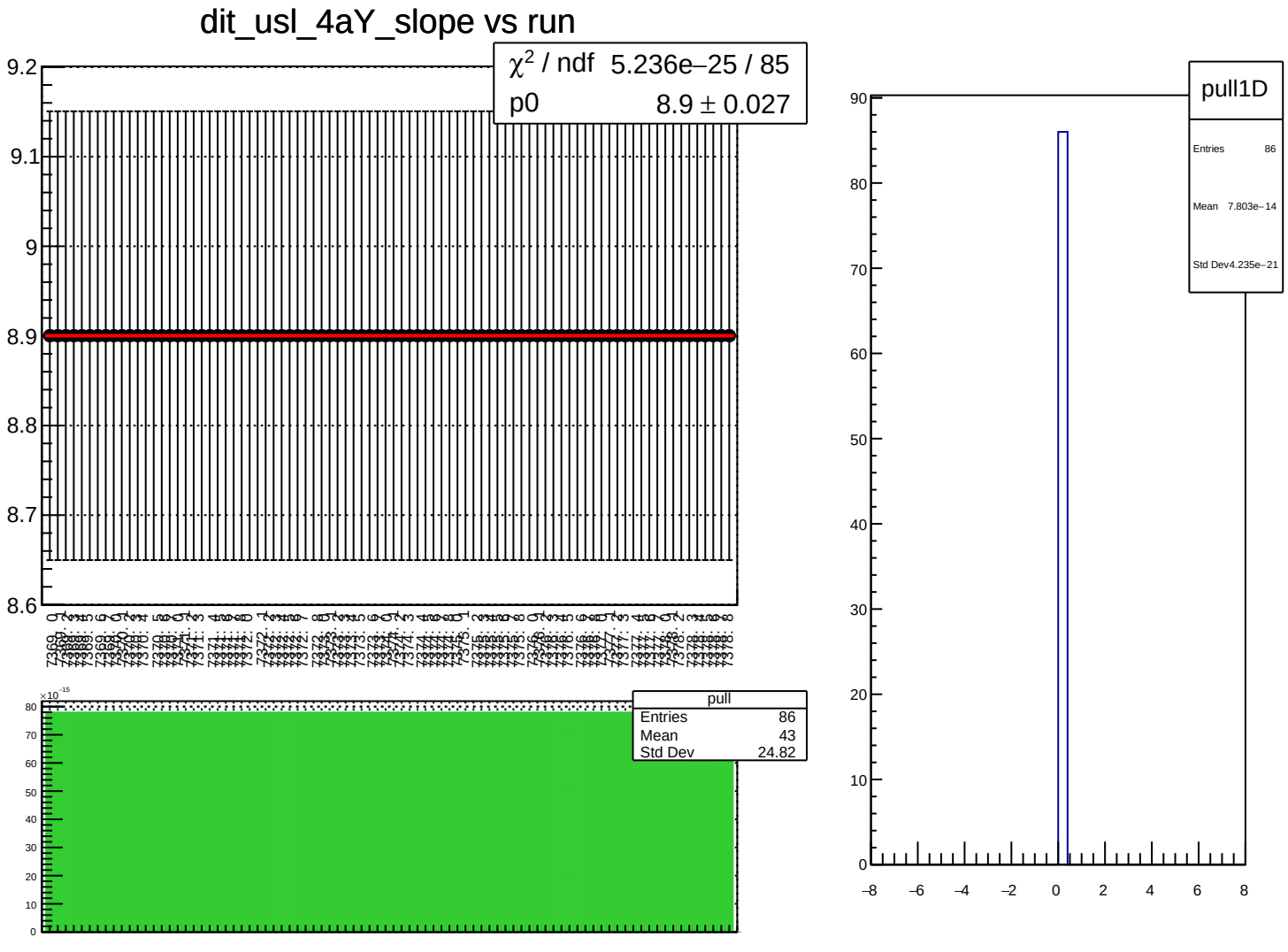

pull1D
Entries 86
Mean 0.005902
Std Dev 0.9945
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

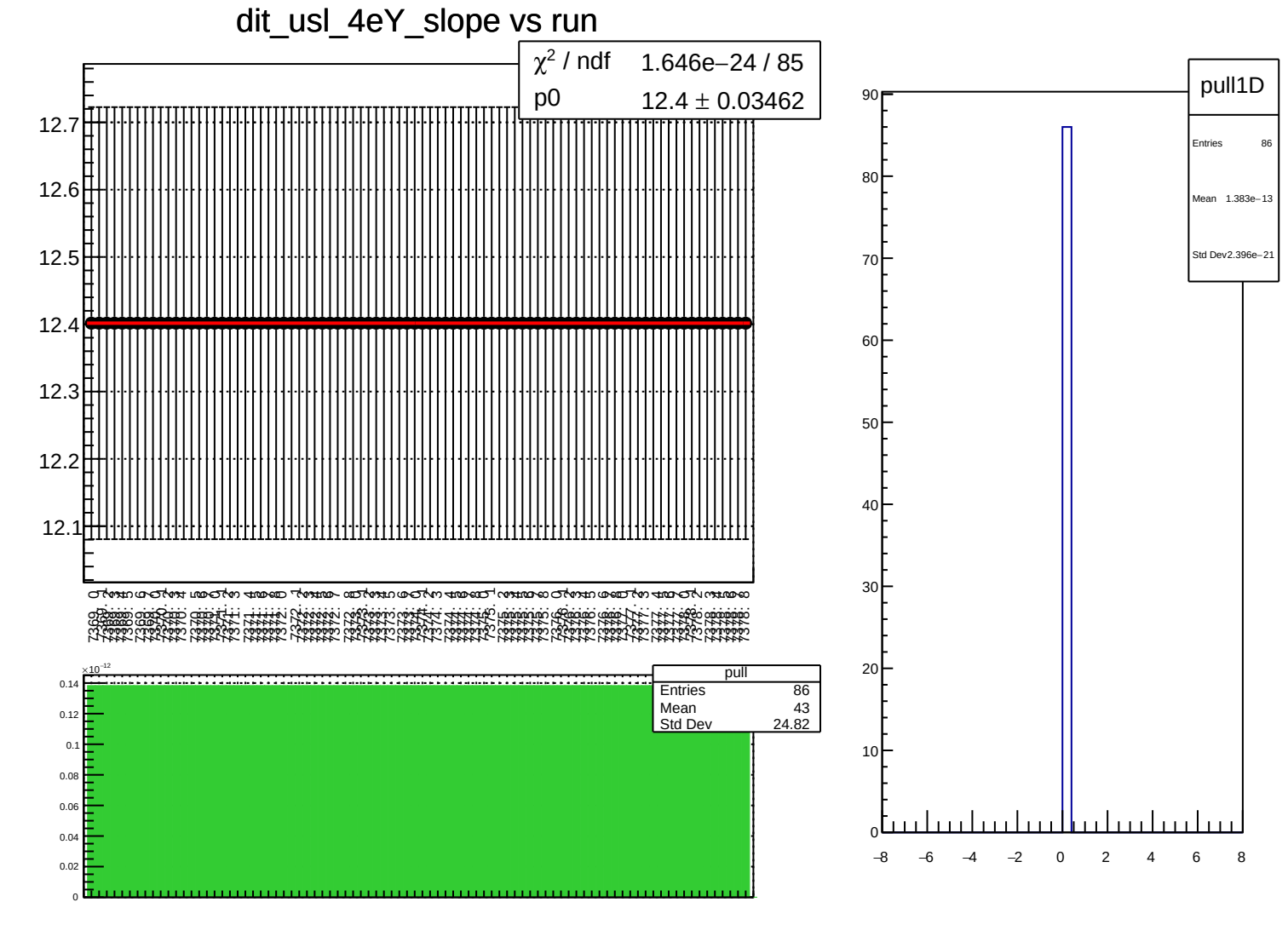

asym_sam_12345678_avg_rms vs run
χ² / ndf 7795 / 85
p0 485.8 ± 0.3815
580
560
540
520
500
480
460
440
420
400

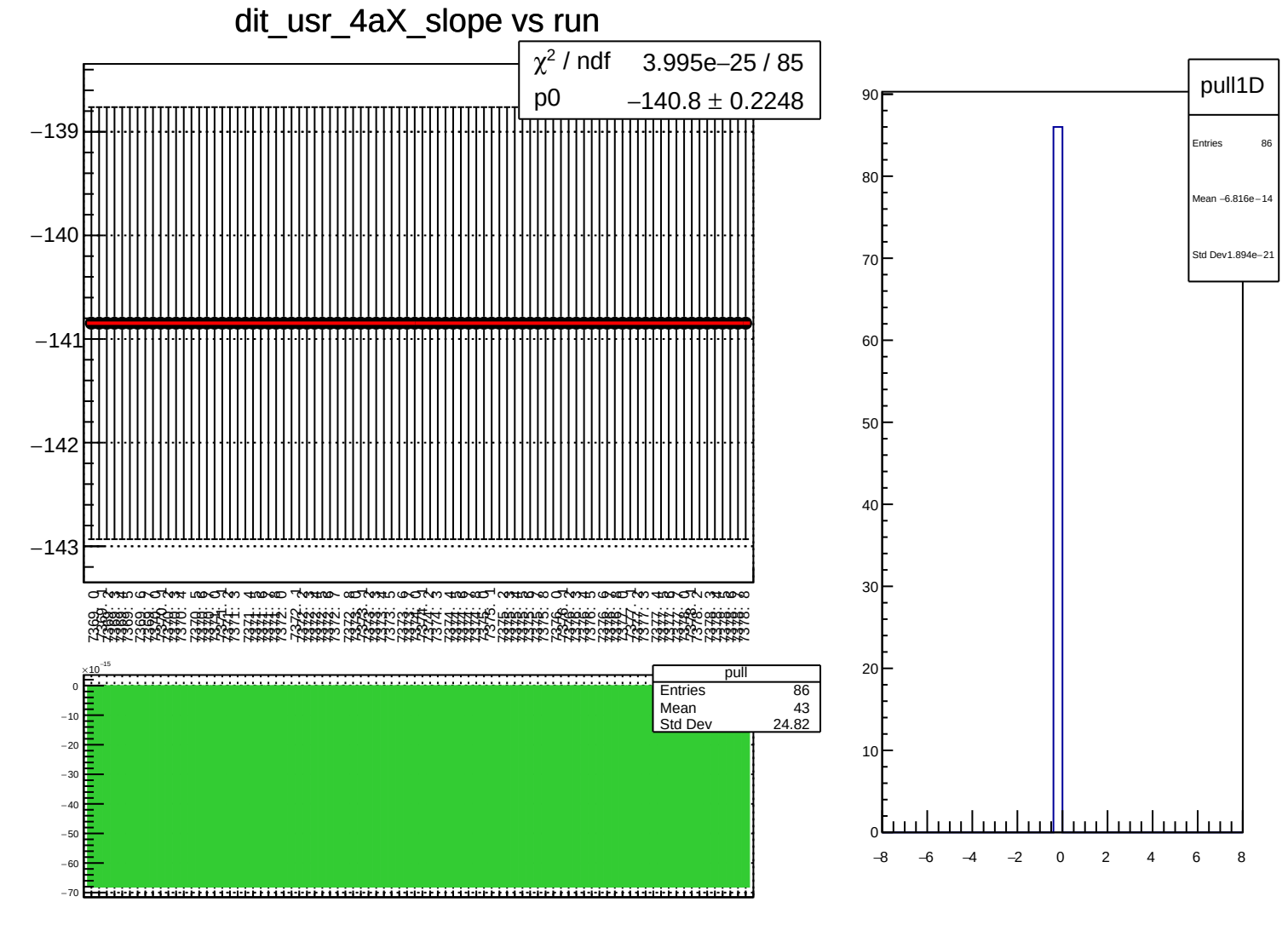

dit_usl_4aX_slope vs run
χ² / ndf 1.082e−24 / 85
p0 −97.44 ± 0.164
−96
−96.5
−97
−97.5
−98
−98.5
−99
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 1.121e−13
Std Dev4.639e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

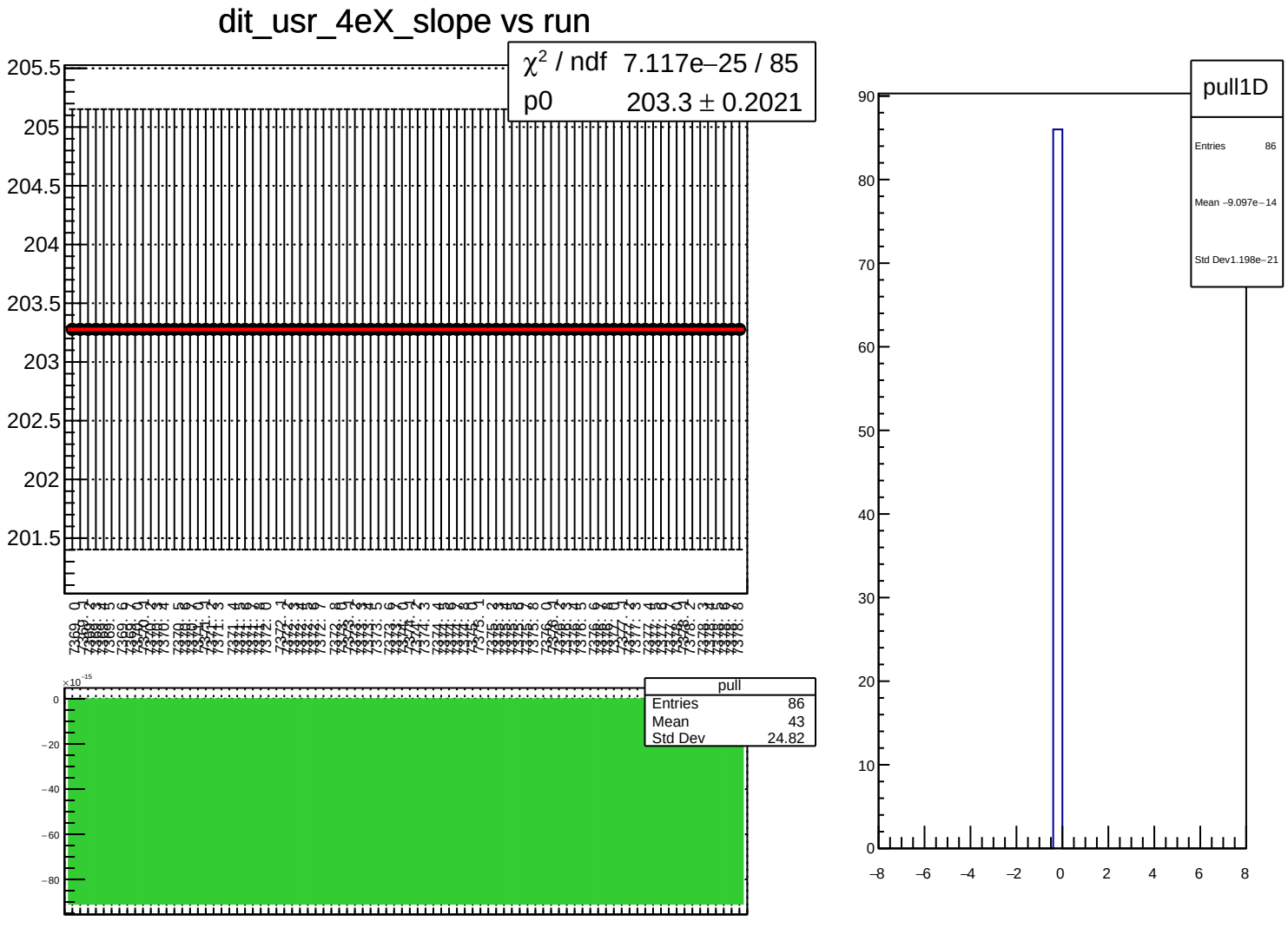

dit_usl_4eX_slope vs run
χ² / ndf 8.95e−27 / 85
p0 45.29 ± 0.1502
46.5
46
45.5
45
44.5
44
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−2
−4
−6
−8
−10
pull1D
Entries 86
Mean −1.02e−14
Std Dev 5.187e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

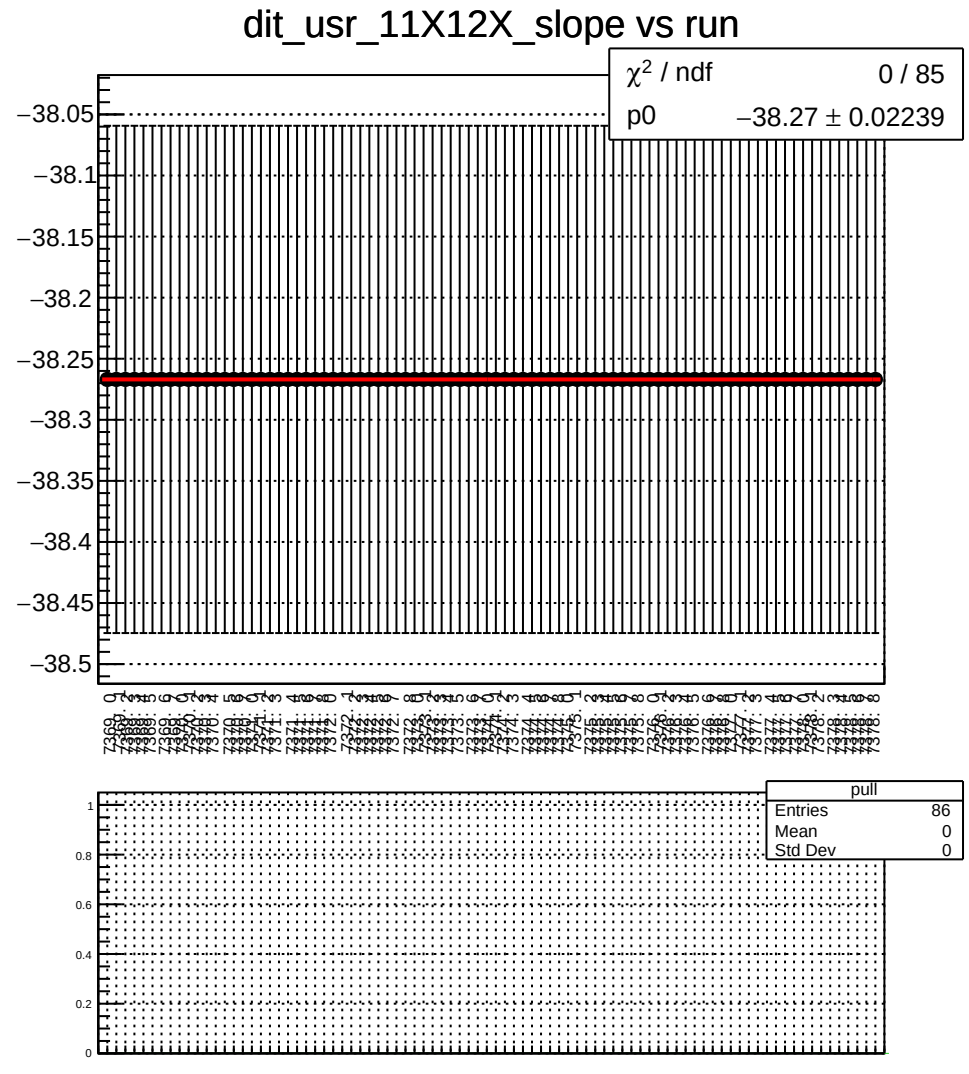

dit_usl_11X12X_slope vs run
χ² / ndf 5.188e−23 / 85
p0 −39.4 ± 0.01677
−39.25
−39.3
−39.35
−39.4
−39.45
−39.5
−39.55
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8
pull1D
Entries 86
Mean −7.767e−13
Std Dev 3.03e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

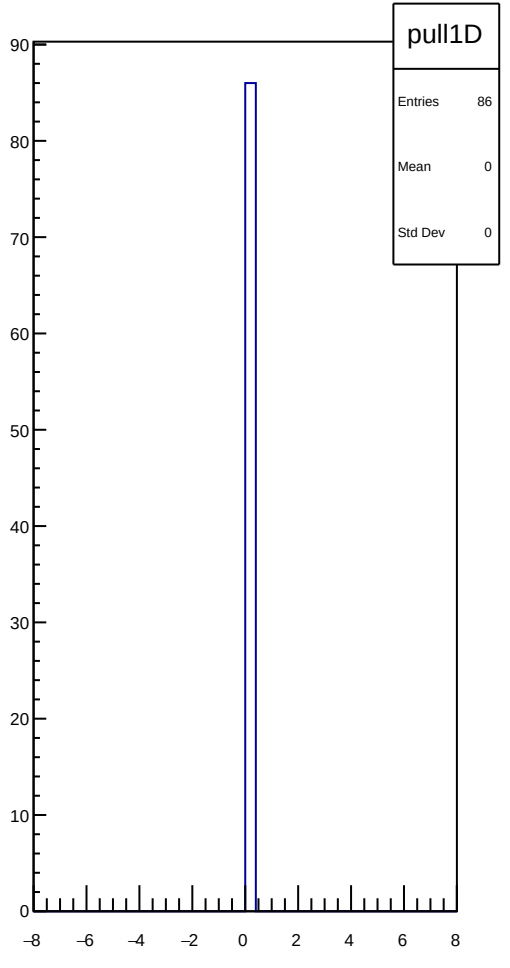

dit_usl_4aY_slope vs run
$\chi^2$ / ndf 5.236e−25 / 85
p0 8.9 ± 0.027
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 7.803e−14
Std Dev4.235e−21

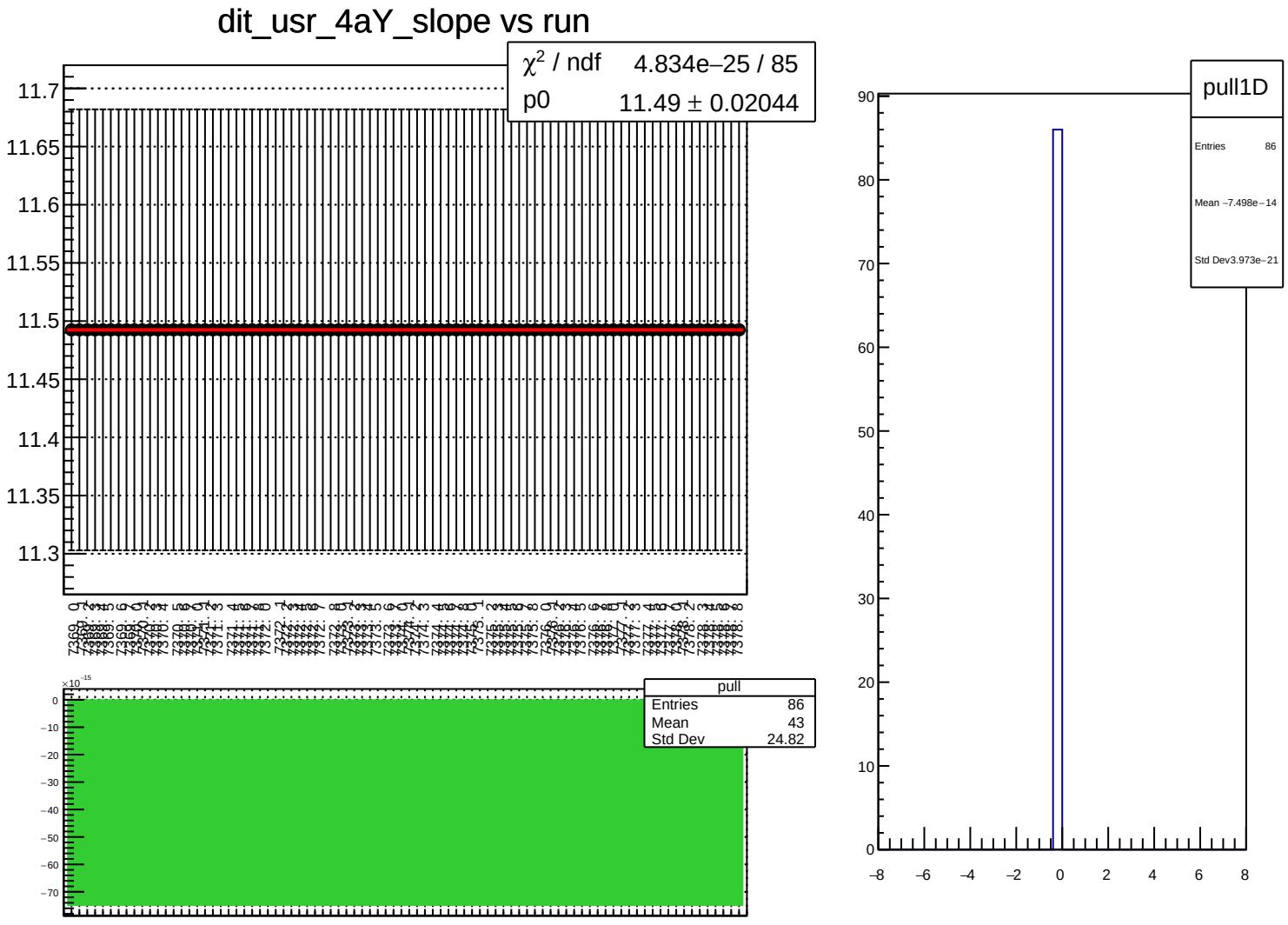

dit_usl_4eY_slope vs run
χ² / ndf 1.646e−24 / 85
p0 12.4 ± 0.03462
12.7
12.6
12.5
12.4
12.3
12.2
12.1
×10⁻¹²
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 1.383e−13
Std Dev2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

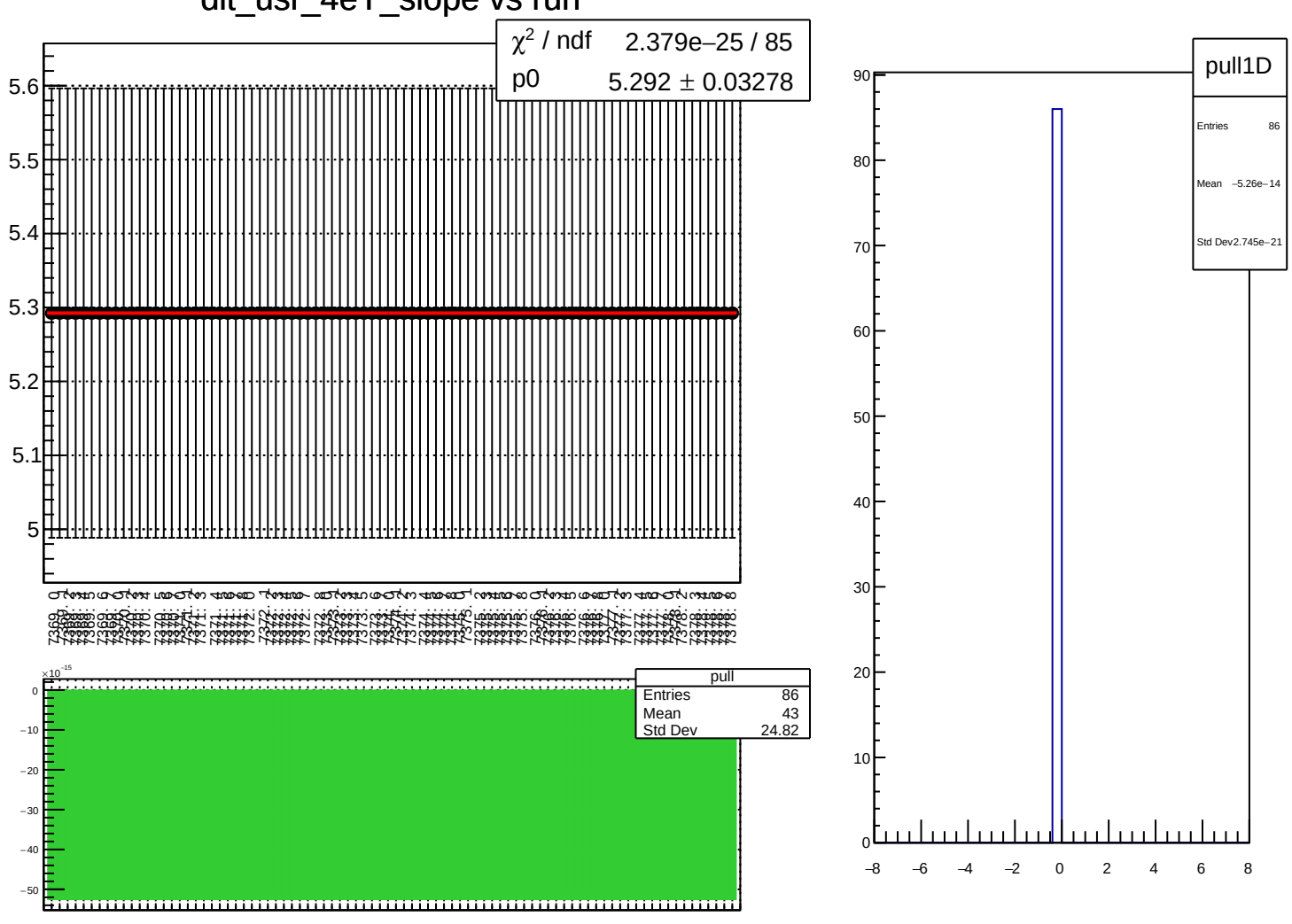

dit_usr_4aX_slope vs run
χ² / ndf 3.995e−25 / 85
p0 −140.8 ± 0.2248
−139
−140
−141
−142
−143
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 86
Mean −6.816e−14
Std Dev1.894e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

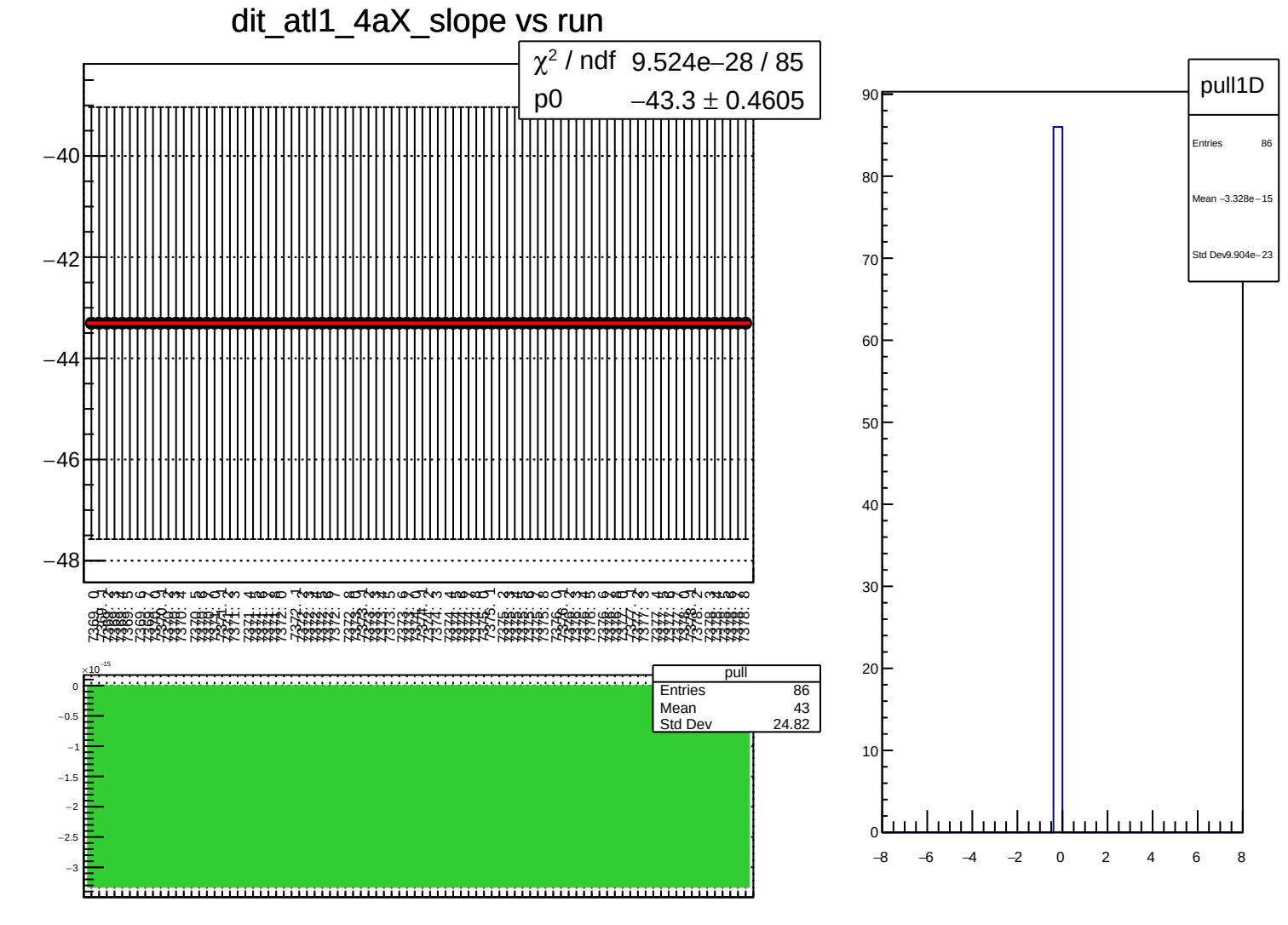

dit_usr_4eX_slope vs run
χ² / ndf 7.117e−25 / 85
p0 203.3 ± 0.2021
205.5
205
204.5
204
203.5
203
202.5
202
201.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−20
−40
−60
−80
pull1D
Entries 86
Mean −9.097e−14
Std Dev1.198e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

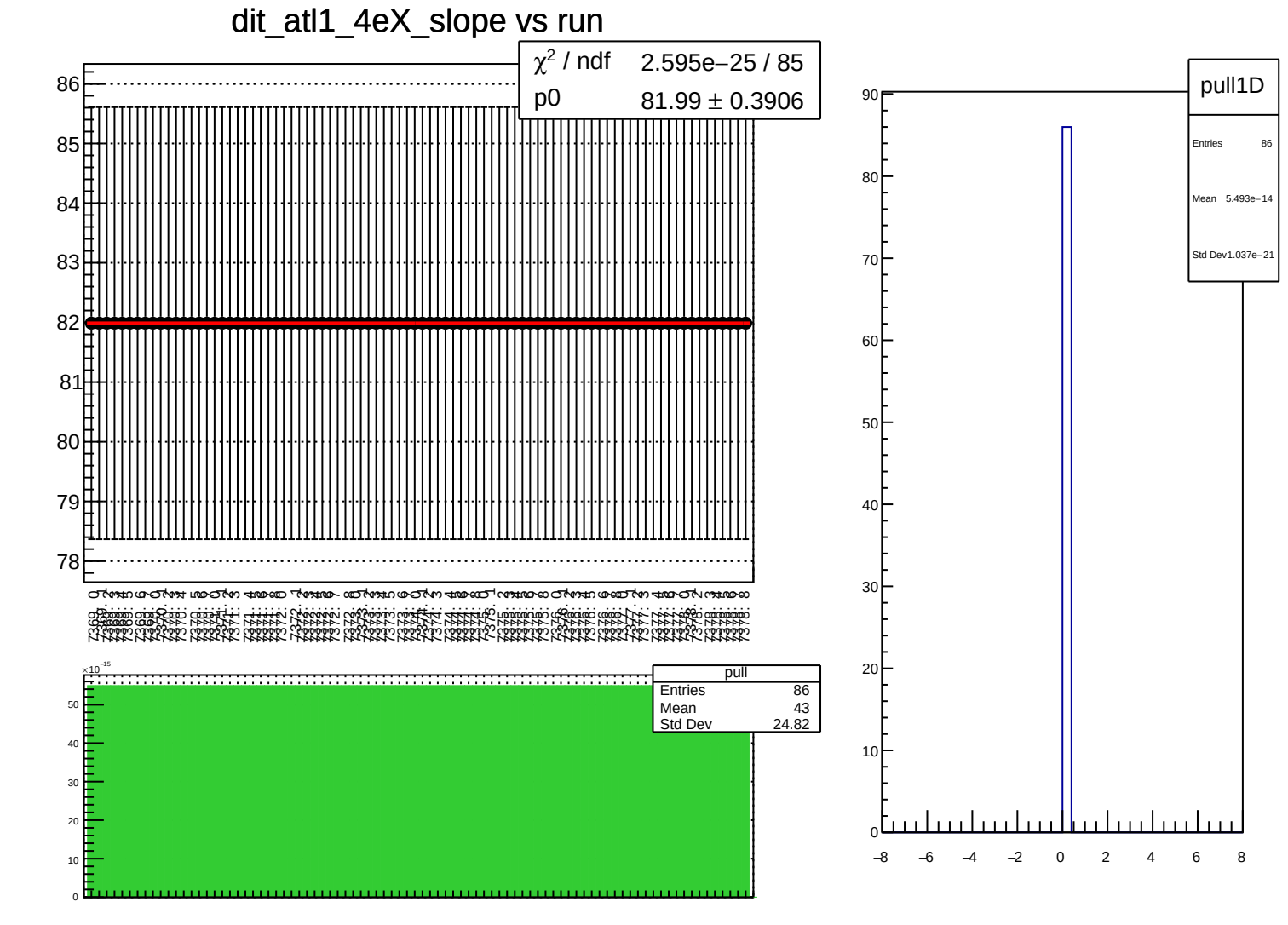

dit_usr_11X12X_slope vs run
χ² / ndf 0 / 85
p0 −38.27 ± 0.02239
−38.05
−38.1
−38.15
−38.2
−38.25
−38.3
−38.35
−38.4
−38.45
−38.5
pull
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

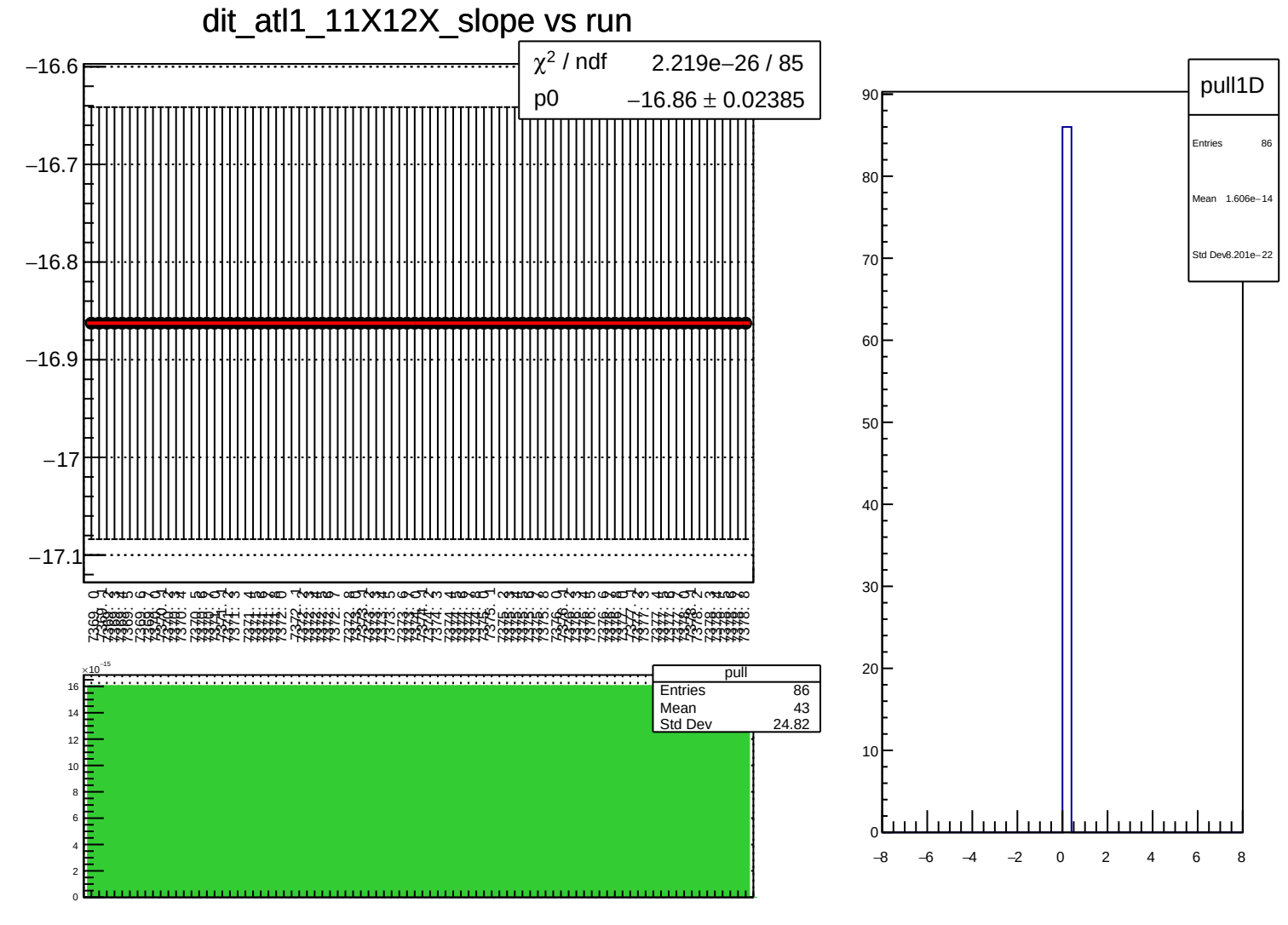

pull1D
Entries 86
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

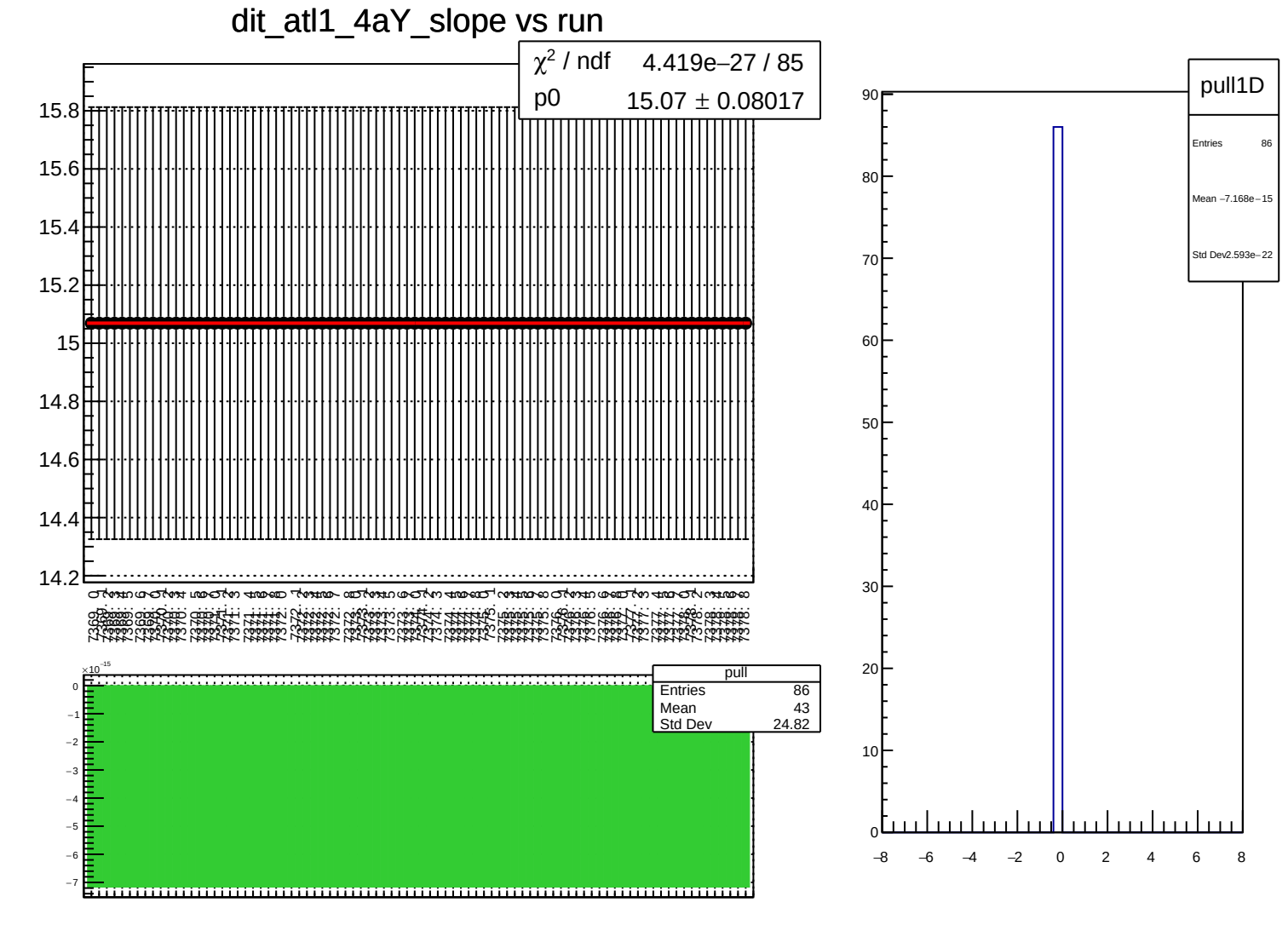

dit_usr_4aY_slope vs run
χ² / ndf 4.834e−25 / 85
p0 11.49 ± 0.02044
11.7
11.65
11.6
11.55
11.5
11.45
11.4
11.35
11.3
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 86
Mean −7.498e−14
Std Dev3.973e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

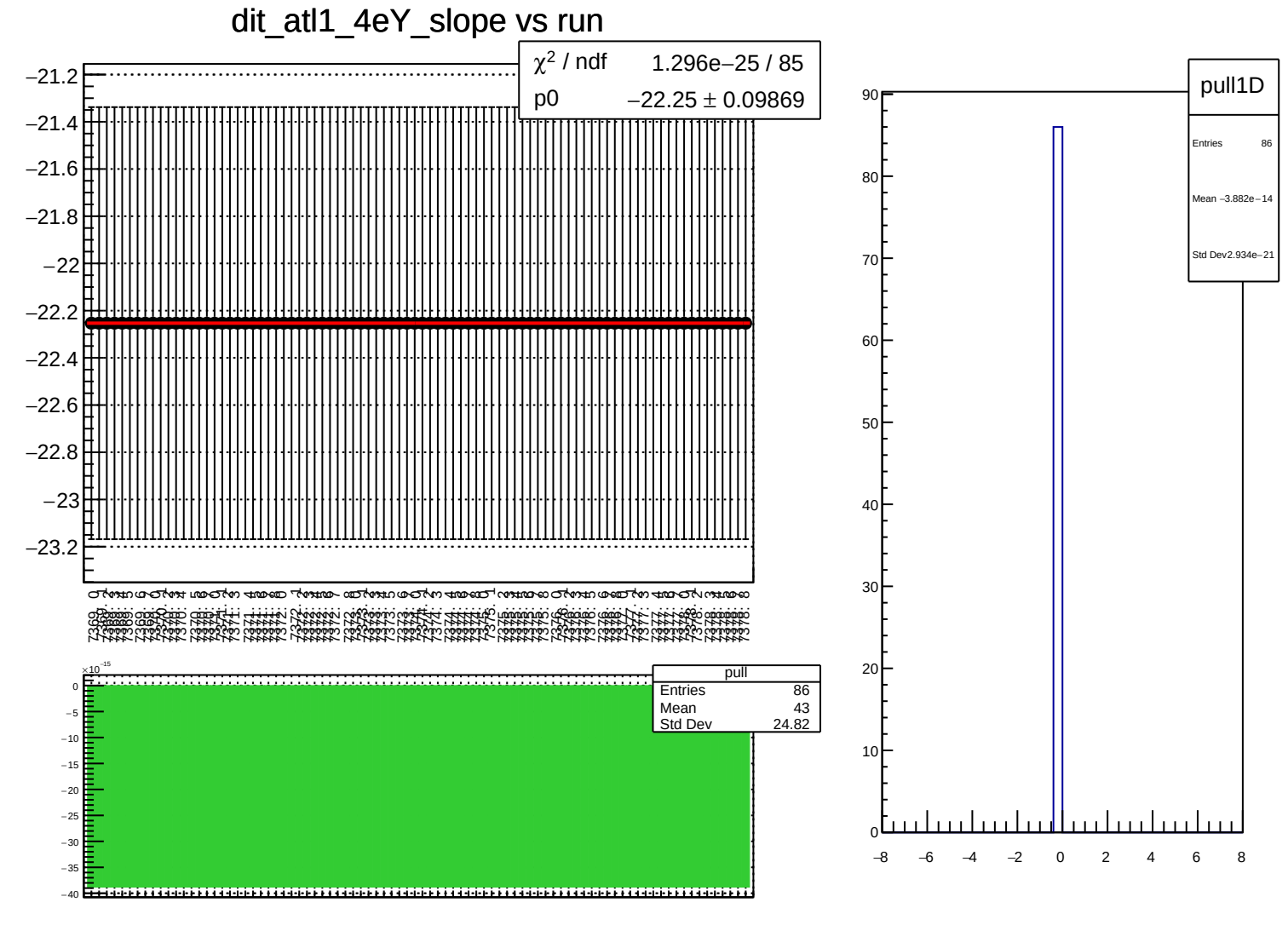

dit_usr_4eY_slope vs run
χ² / ndf 2.379e−25 / 85
p0 5.292 ± 0.03278
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −5.26e−14
Std Dev2.745e−21

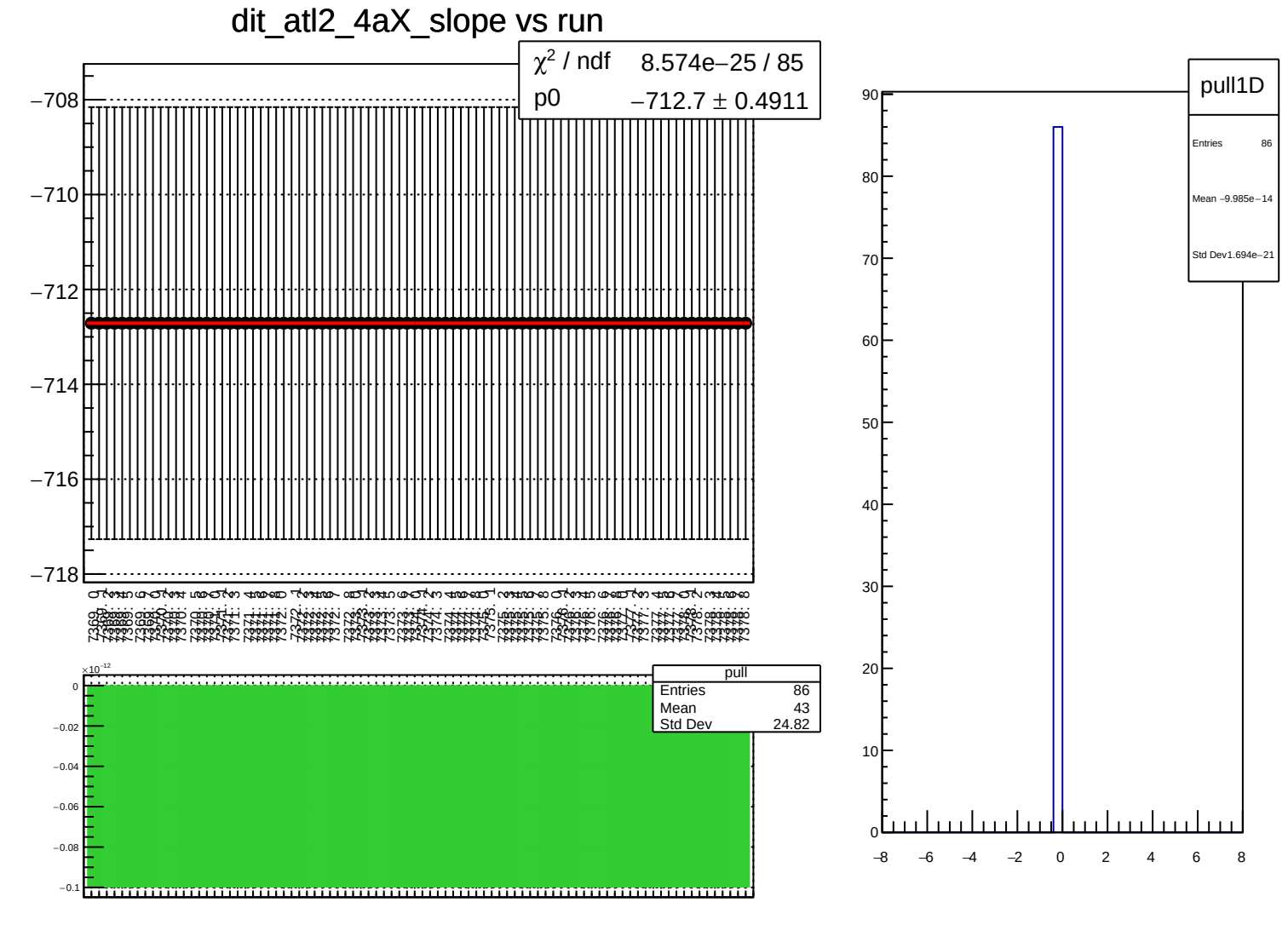

dit_atl1_4aX_slope vs run
χ² / ndf 9.524e−28 / 85
p0 −43.3 ± 0.4605
−40
−42
−44
−46
−48
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 86
Mean −3.328e−15
Std Dev 9.904e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

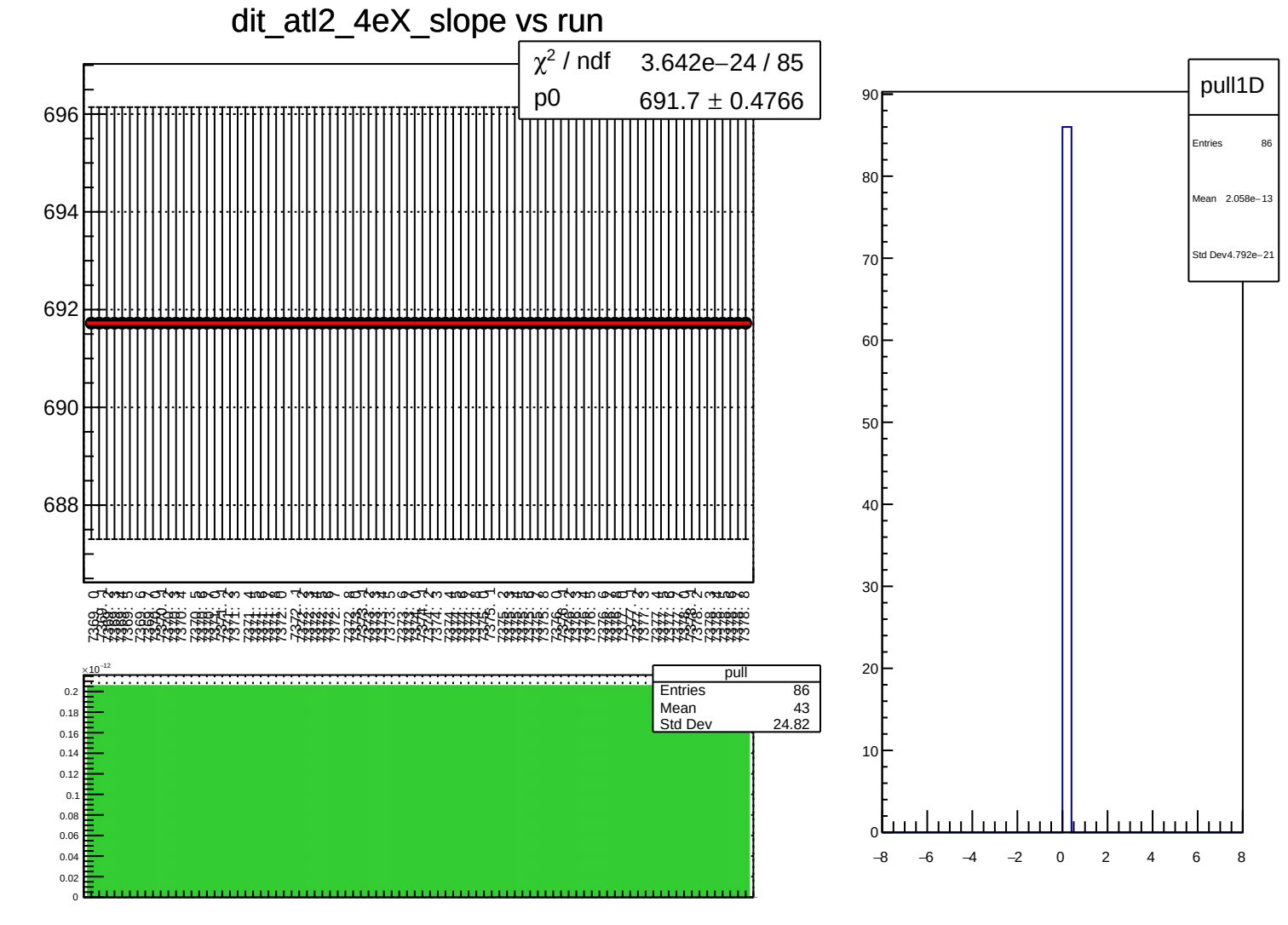

dit_atl1_4eX_slope vs run
χ² / ndf 2.595e−25 / 85
p0 81.99 ± 0.3906
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 5.493e−14
Std Dev1.037e−21

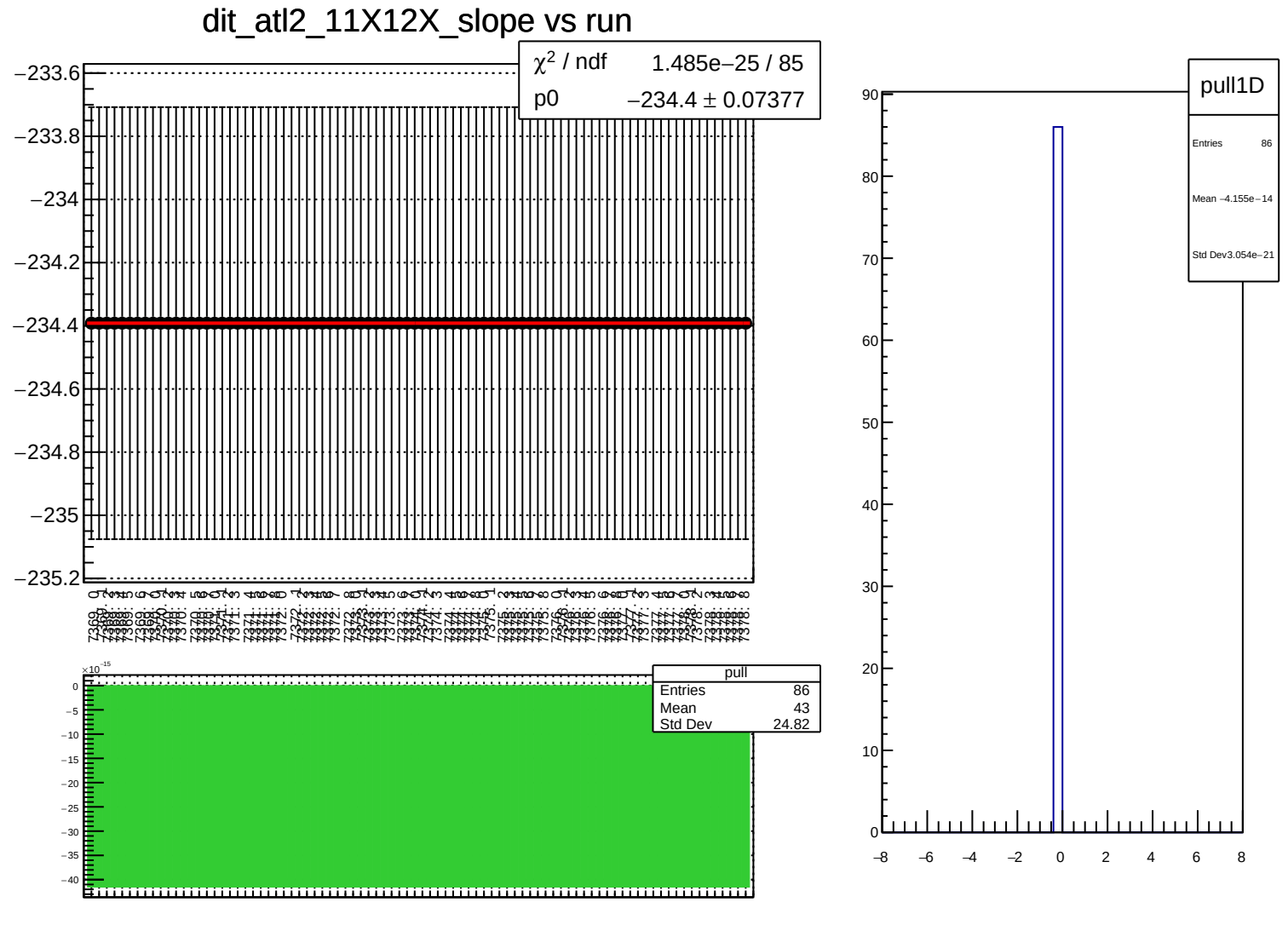

dit_atl1_11X12X_slope vs run
χ² / ndf 2.219e−26 / 85
p0 −16.86 ± 0.02385
−16.6
−16.7
−16.8
−16.9
−17
−17.1
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
pull1D
Entries 86
Mean 1.606e−14
Std Dev 8.201e−22

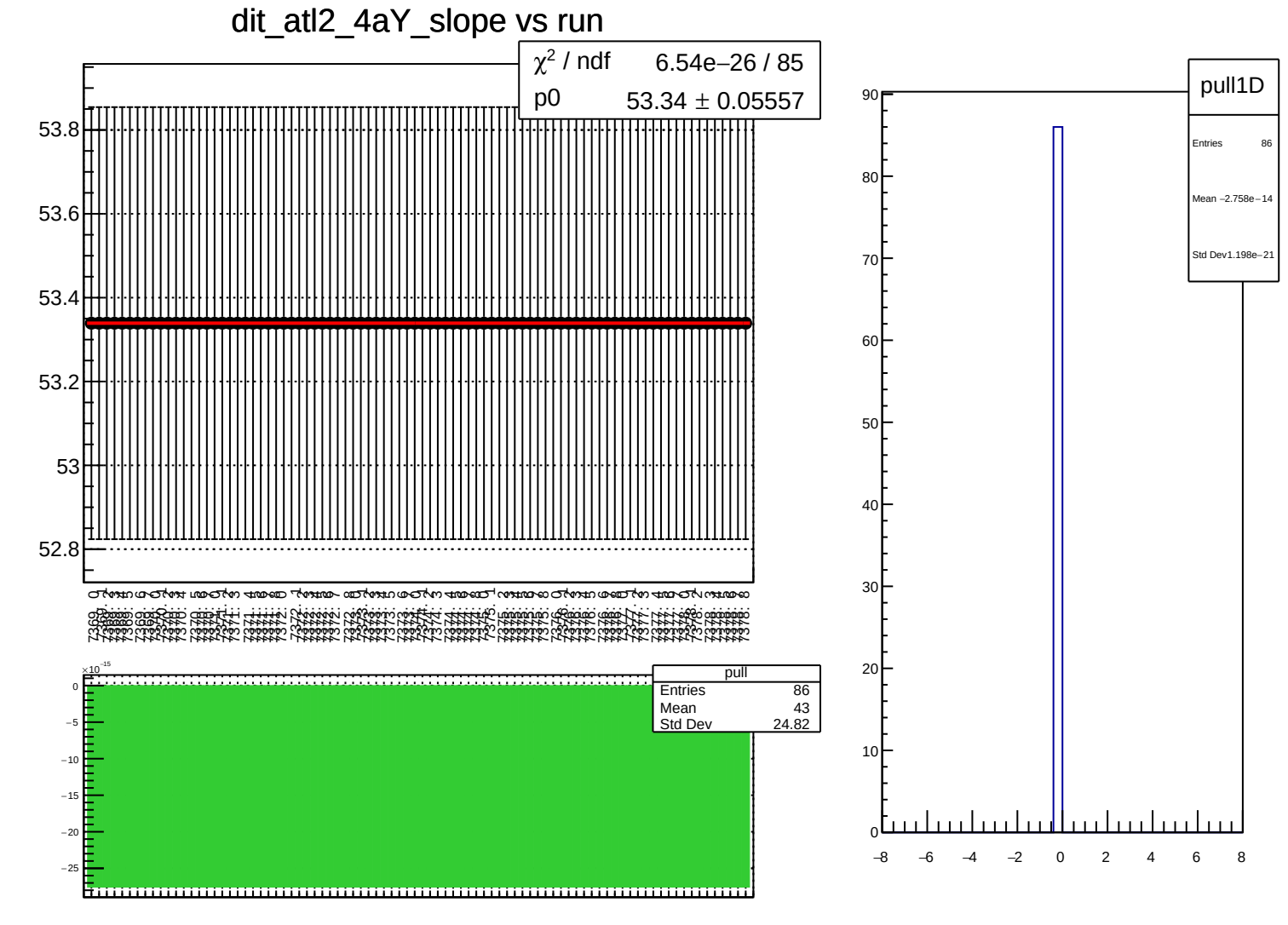

dit_atl1_4aY_slope vs run
χ² / ndf 4.419e−27 / 85
p0 15.07 ± 0.08017
15.8
15.6
15.4
15.2
15
14.8
14.6
14.4
14.2
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−1
−2
−3
−4
−5
−6
−7
pull1D
Entries 86
Mean −7.168e−15
Std Dev2.593e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

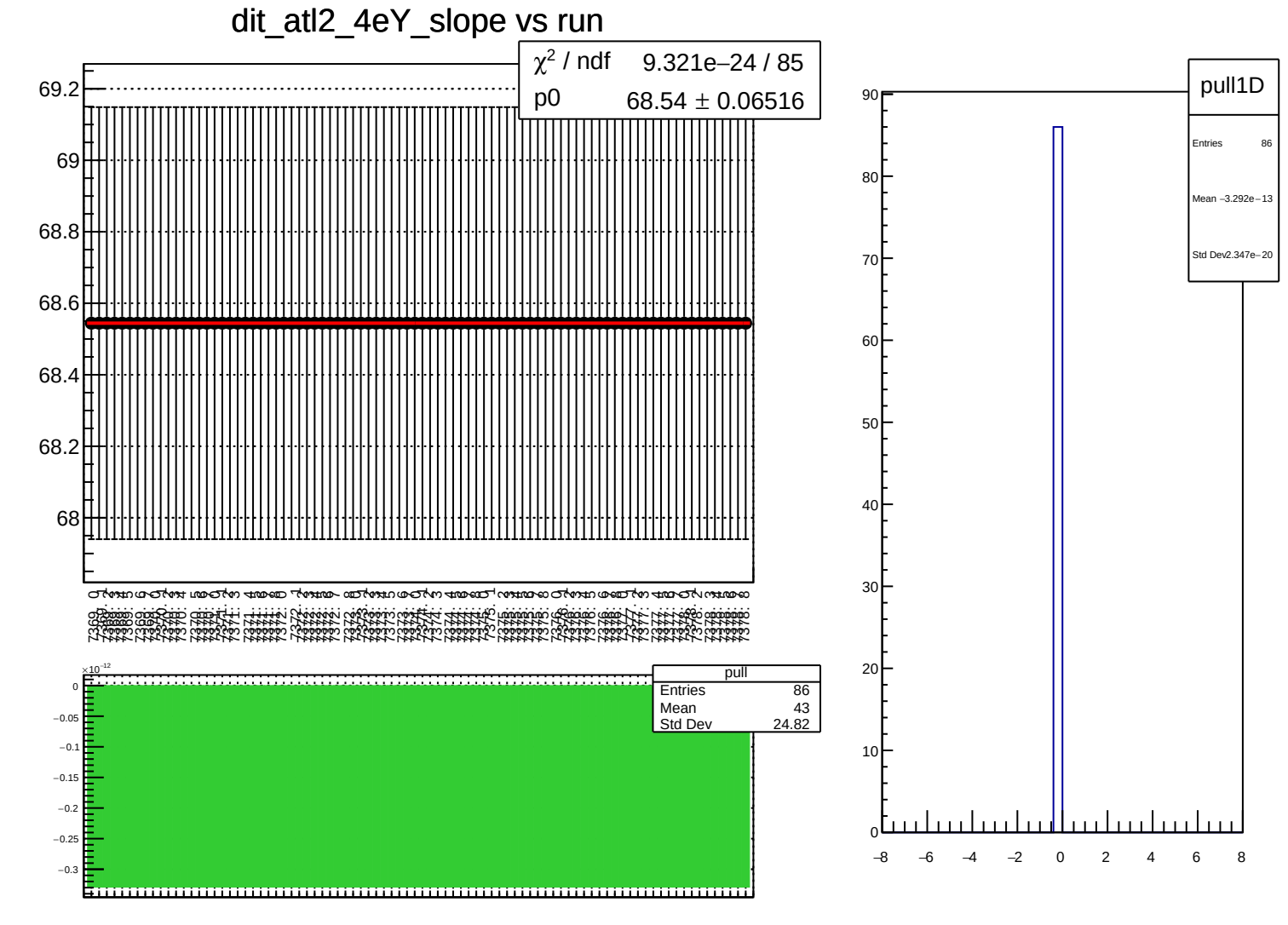

dit_atl1_4eY_slope vs run
χ² / ndf 1.296e−25 / 85
p0 −22.25 ± 0.09869
−21.2
−21.4
−21.6
−21.8
−22
−22.2
−22.4
−22.6
−22.8
−23
−23.2
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 86
Mean −3.882e−14
Std Dev2.934e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

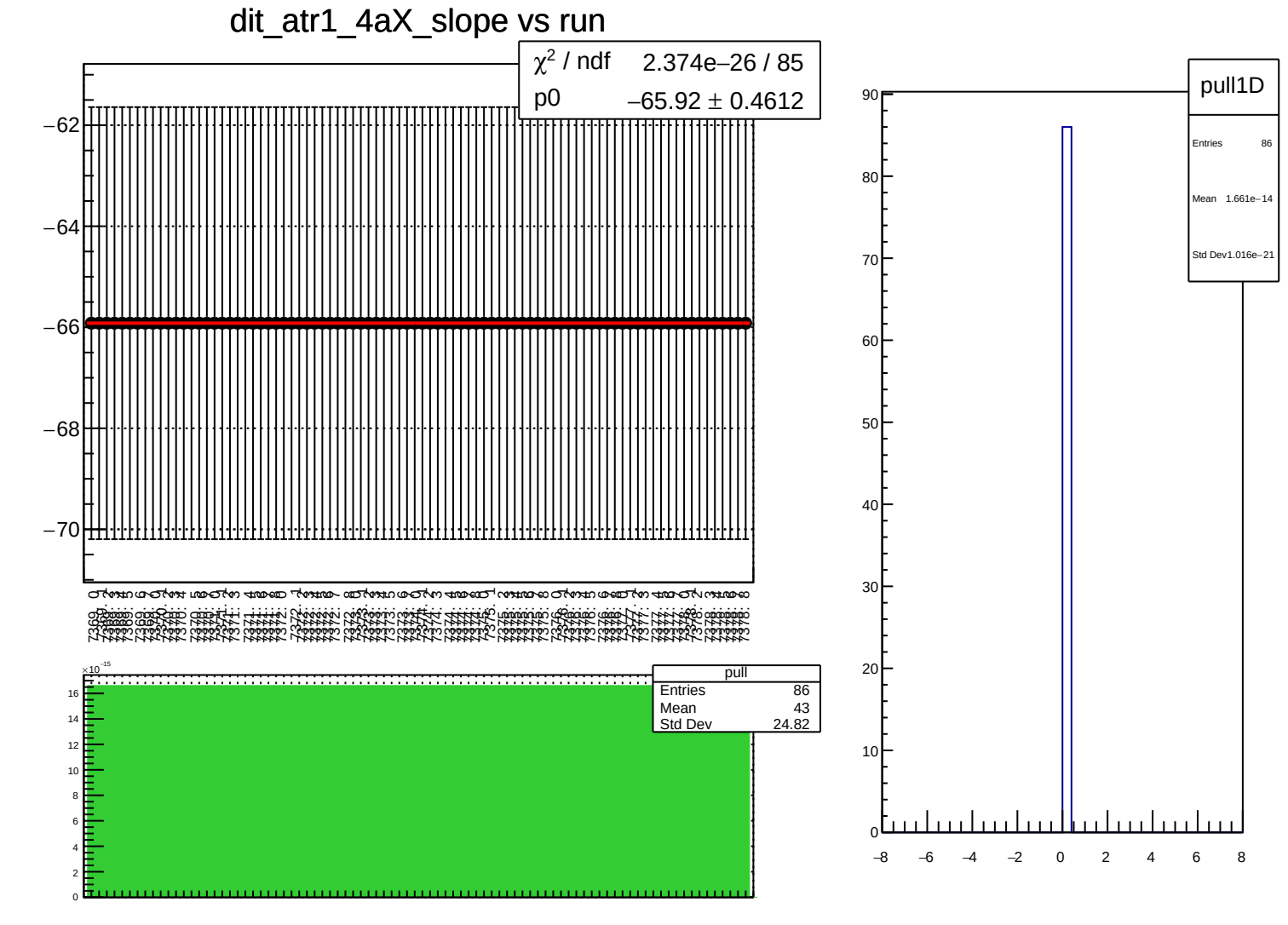

dit_atl2_4aX_slope vs run
χ² / ndf 8.574e−25 / 85
p0 −712.7 ± 0.4911
−708
−710
−712
−714
−716
−718
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 86
Mean −9.985e−14
Std Dev1.694e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

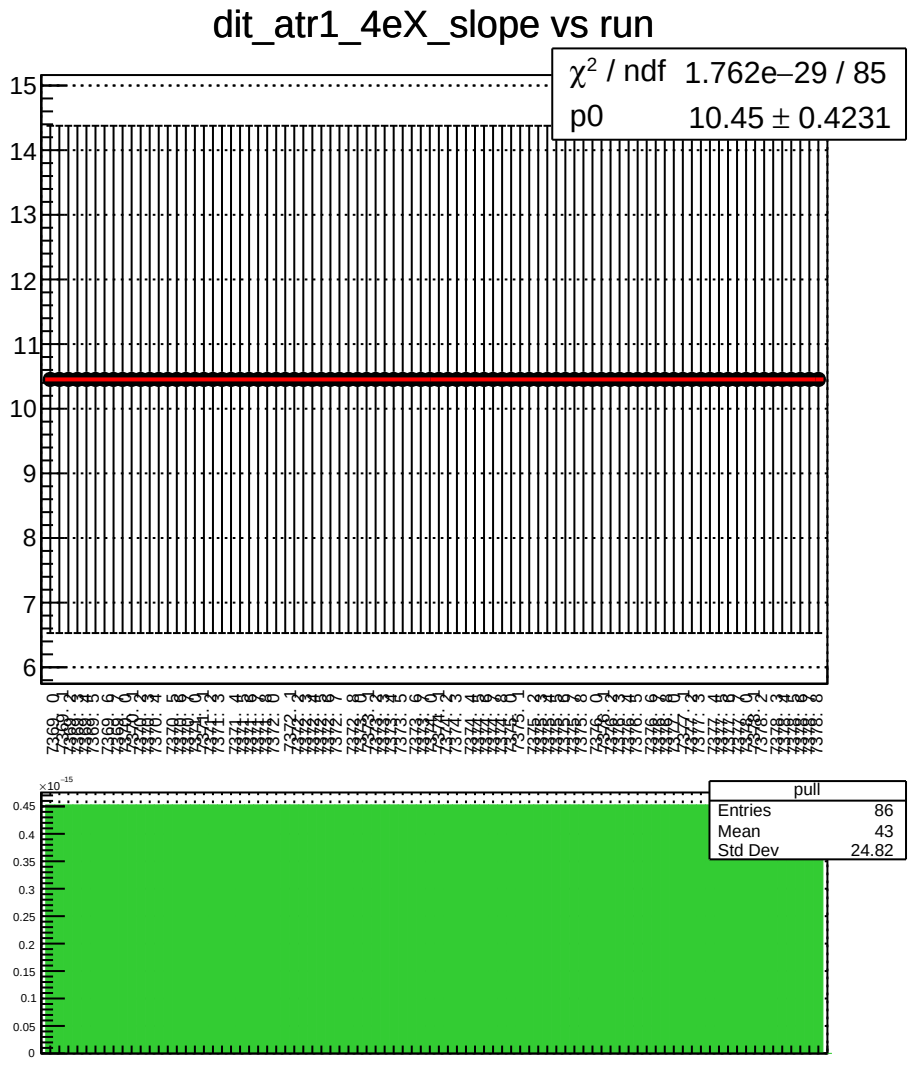

dit_atl2_4eX_slope vs run
χ² / ndf 3.642e−24 / 85
p0 691.7 ± 0.4766
696
694
692
690
688
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 2.058e−13
Std Dev4.792e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

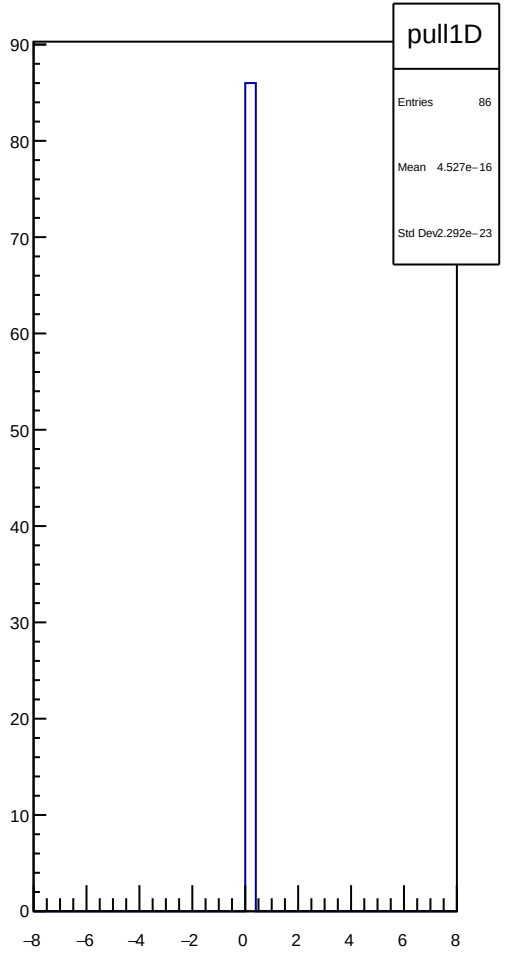

dit_atl2_11X12X_slope vs run
χ² / ndf 1.485e−25 / 85
p0 −234.4 ± 0.07377
−233.6
−233.8
−234
−234.2
−234.4
−234.6
−234.8
−235
−235.2
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
−30
−35
−40
pull1D
Entries 86
Mean −4.155e−14
Std Dev3.054e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

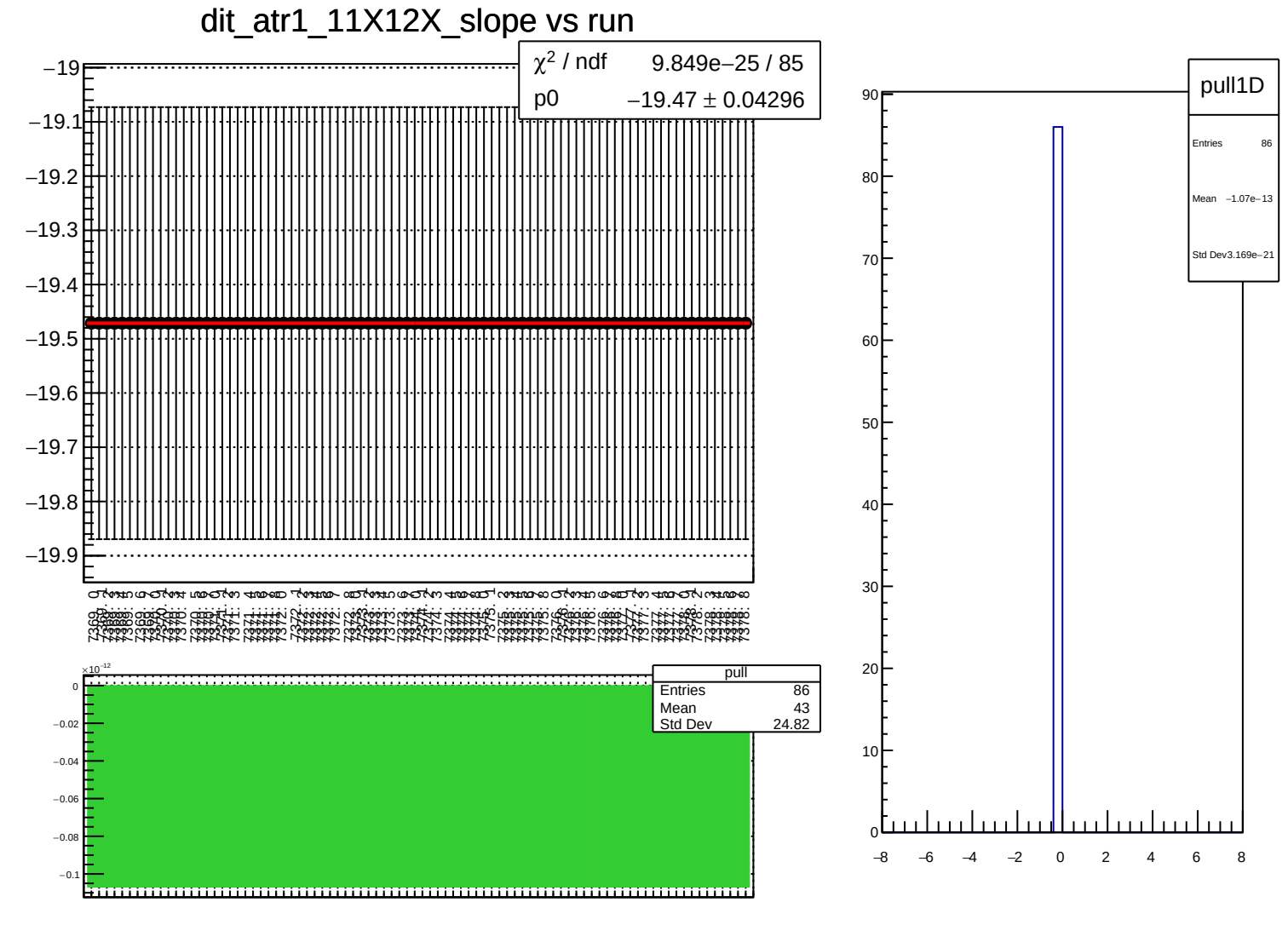

dit_atl2_4aY_slope vs run
χ² / ndf 6.54e−26 / 85
p0 53.34 ± 0.05557
53.8
53.6
53.4
53.2
53
52.8
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
−25
pull1D
Entries 86
Mean −2.758e−14
Std Dev1.198e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

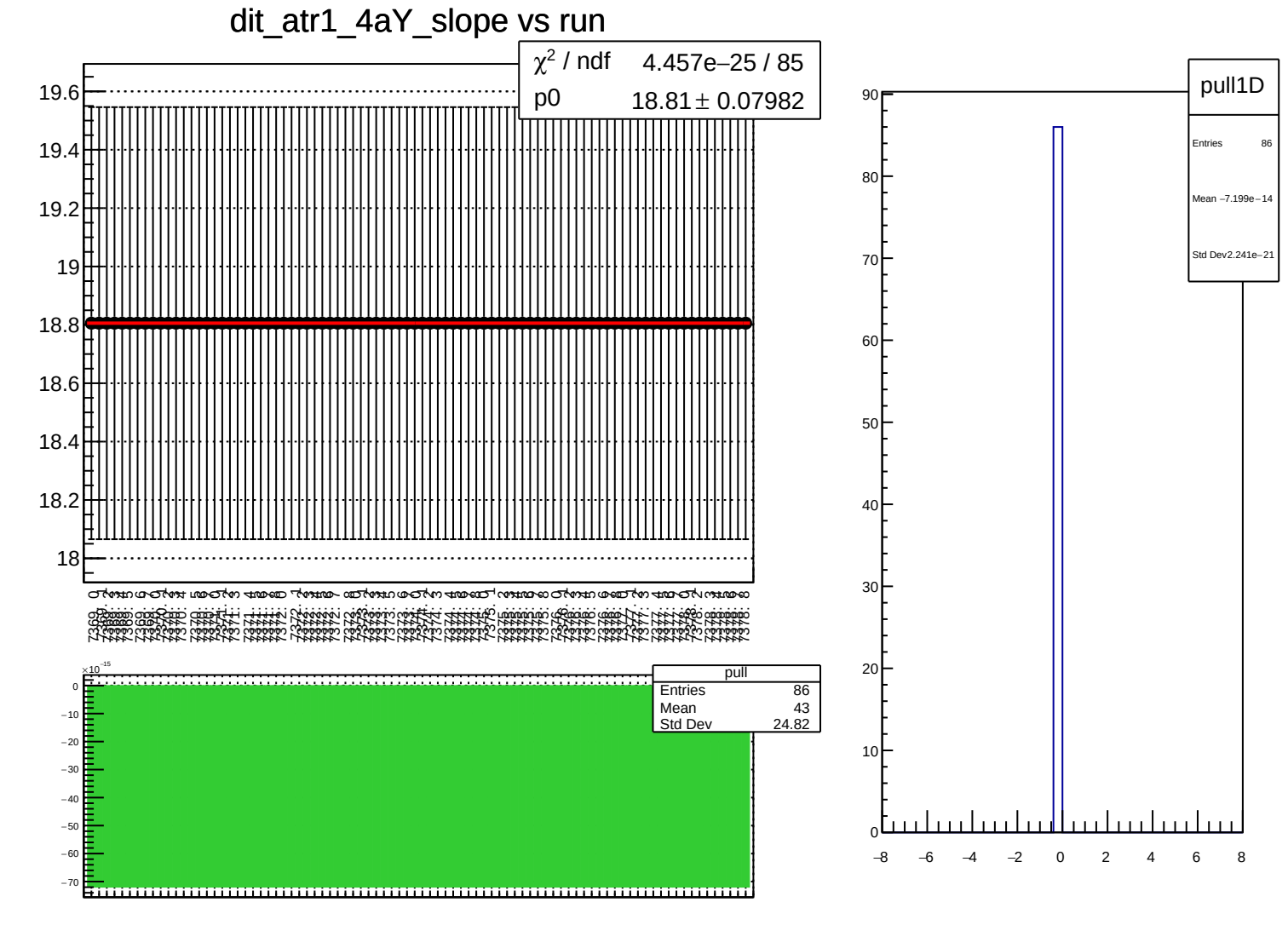

dit_atl2_4eY_slope vs run
χ² / ndf 9.321e−24 / 85
p0 68.54 ± 0.06516
69.2
69
68.8
68.6
68.4
68.2
68
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 86
Mean −3.292e−13
Std Dev 2.347e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

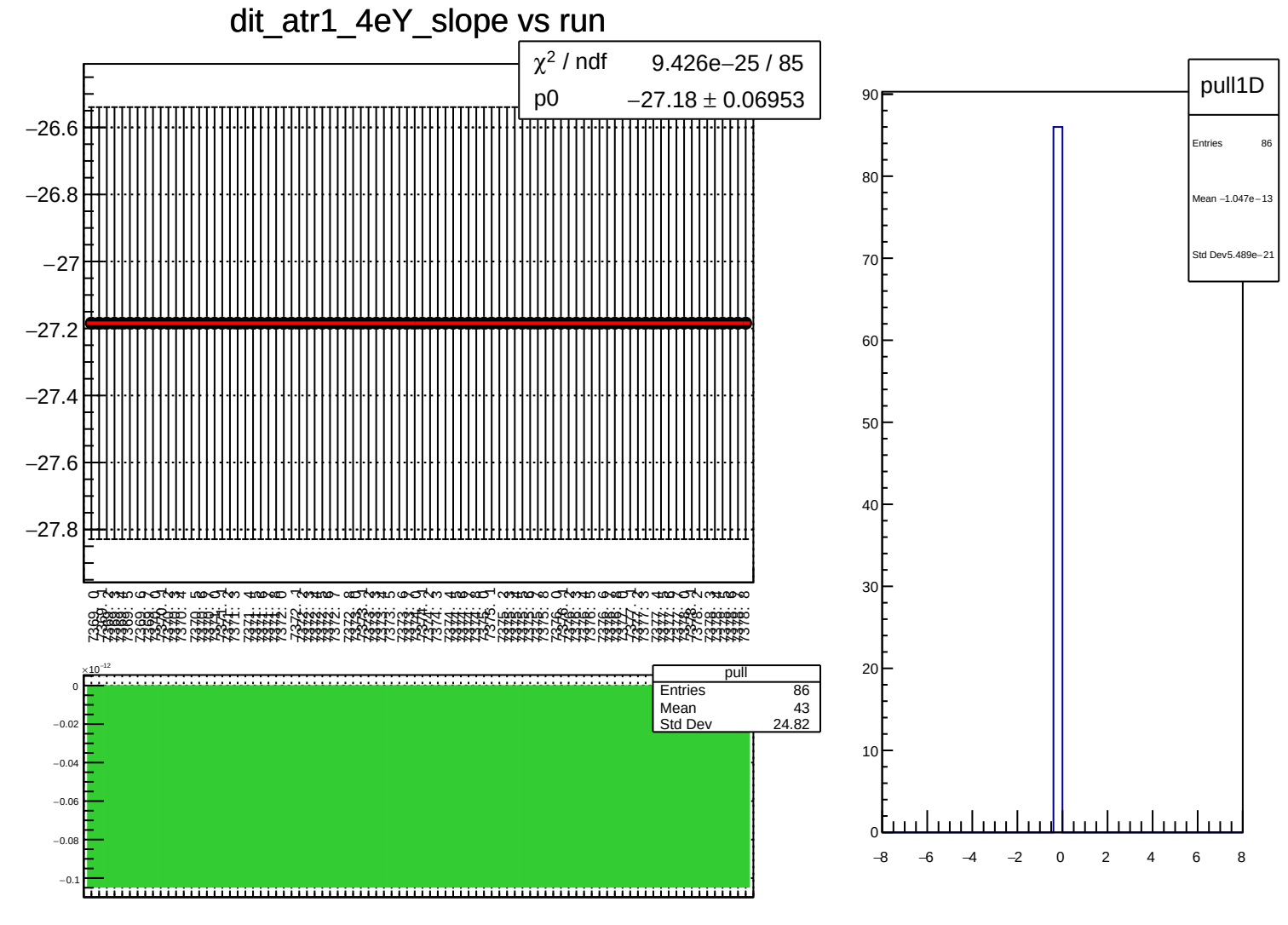

dit_atr1_4aX_slope vs run
χ² / ndf 2.374e−26 / 85
p0 −65.92 ± 0.4612
−62
−64
−66
−68
−70
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
pull1D
Entries 86
Mean 1.661e−14
Std Dev1.016e−21

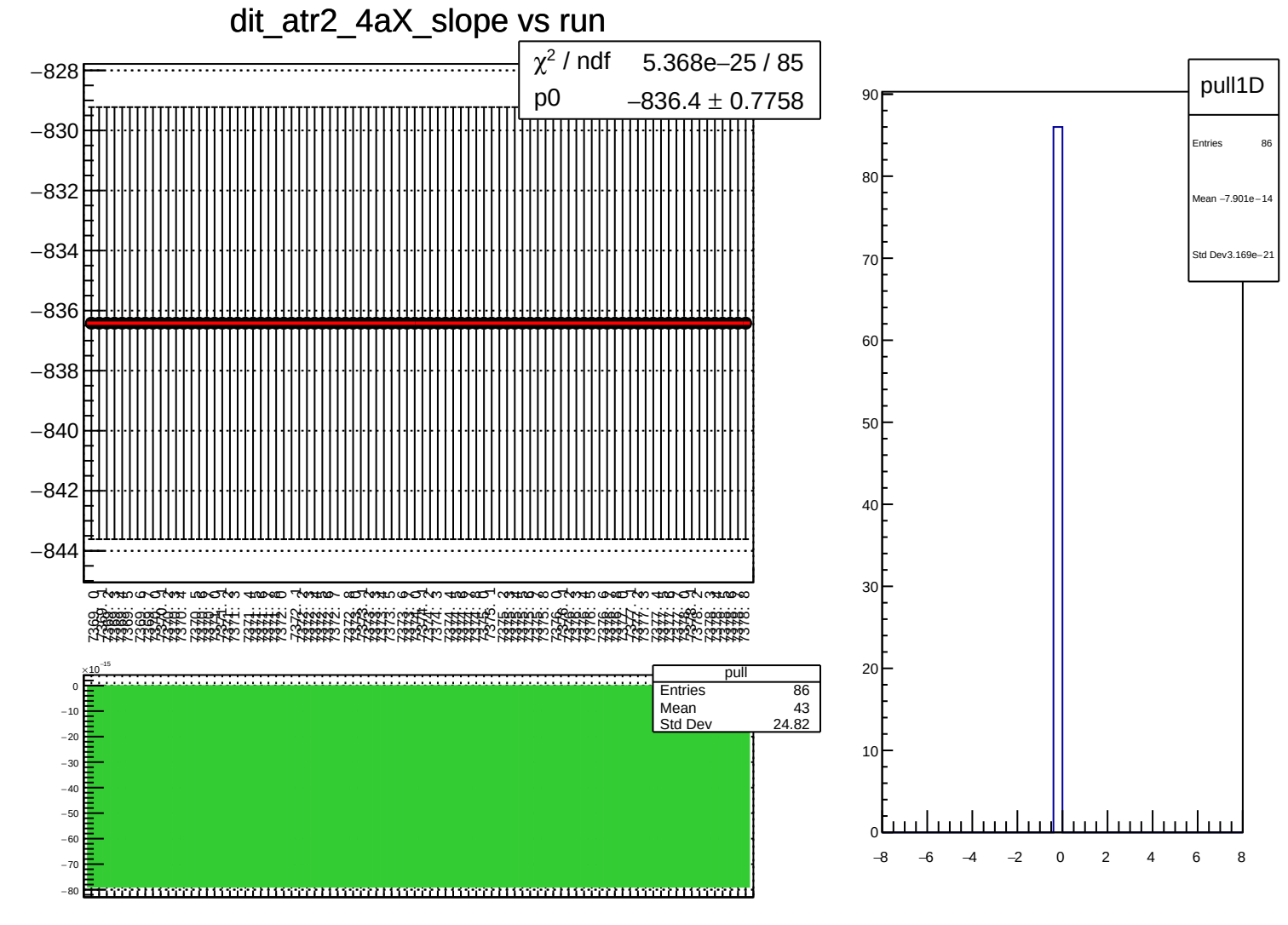

dit_atr1_4eX_slope vs run
χ² / ndf 1.762e−29 / 85
p0 10.45 ± 0.4231
pull
Entries 86
Mean 43
Std Dev 24.82

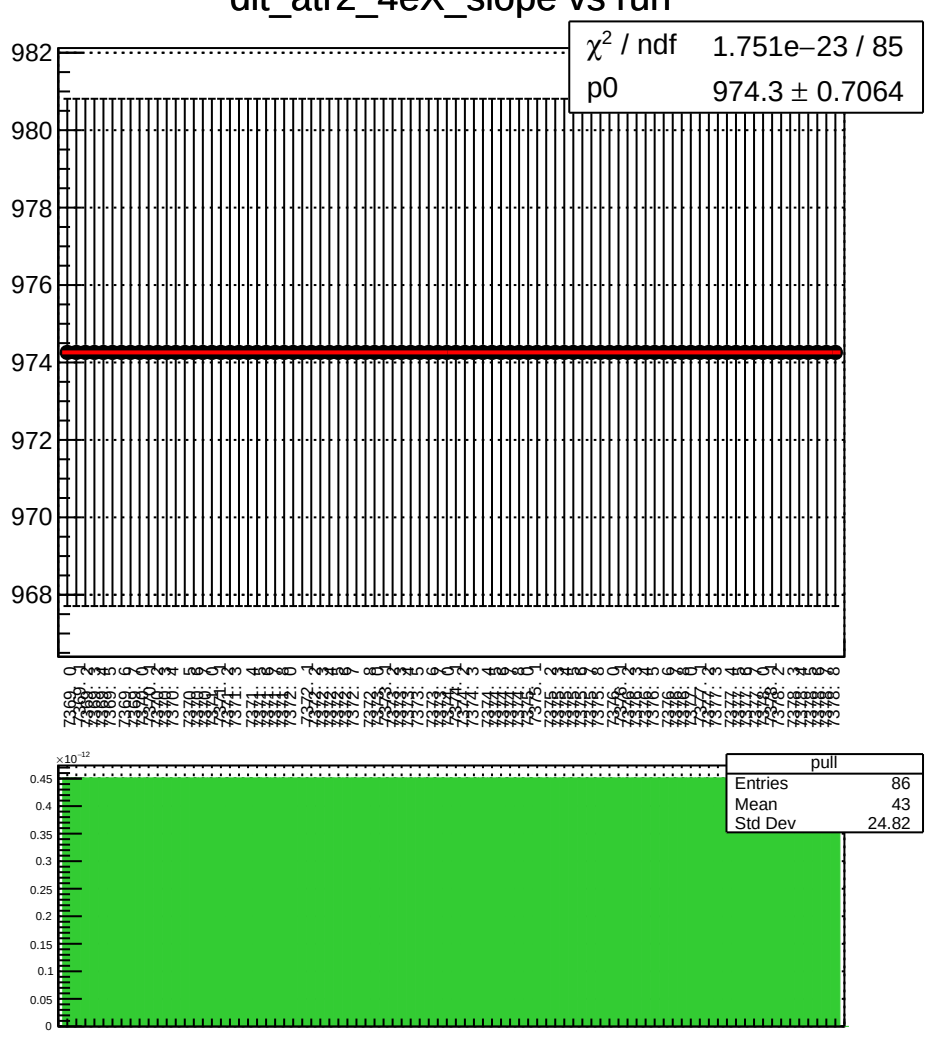

pull1D
Entries 86
Mean 4.527e−16
Std Dev 2.292e−23

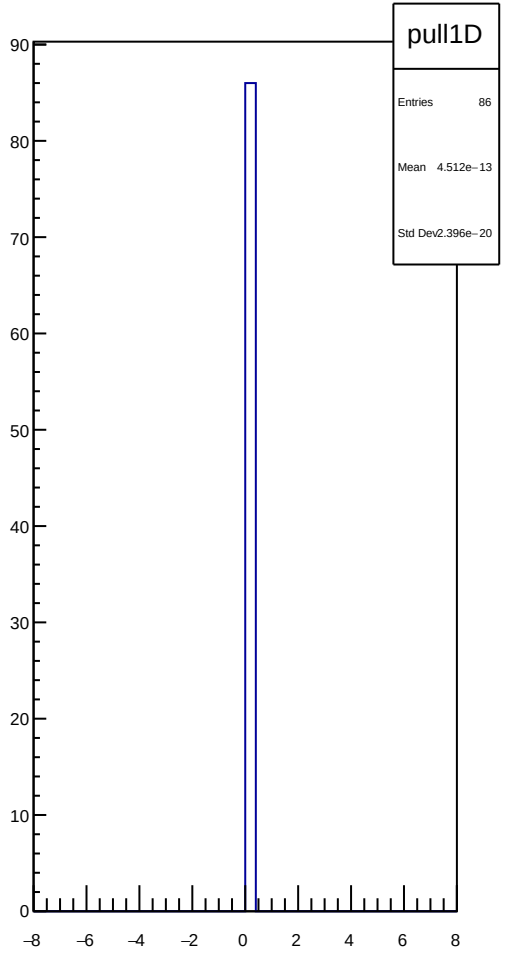

dit_atr1_11X12X_slope vs run
χ² / ndf 9.849e−25 / 85
p0 −19.47 ± 0.04296
−19
−19.1
−19.2
−19.3
−19.4
−19.5
−19.6
−19.7
−19.8
−19.9
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 86
Mean −1.07e−13
Std Dev3.169e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

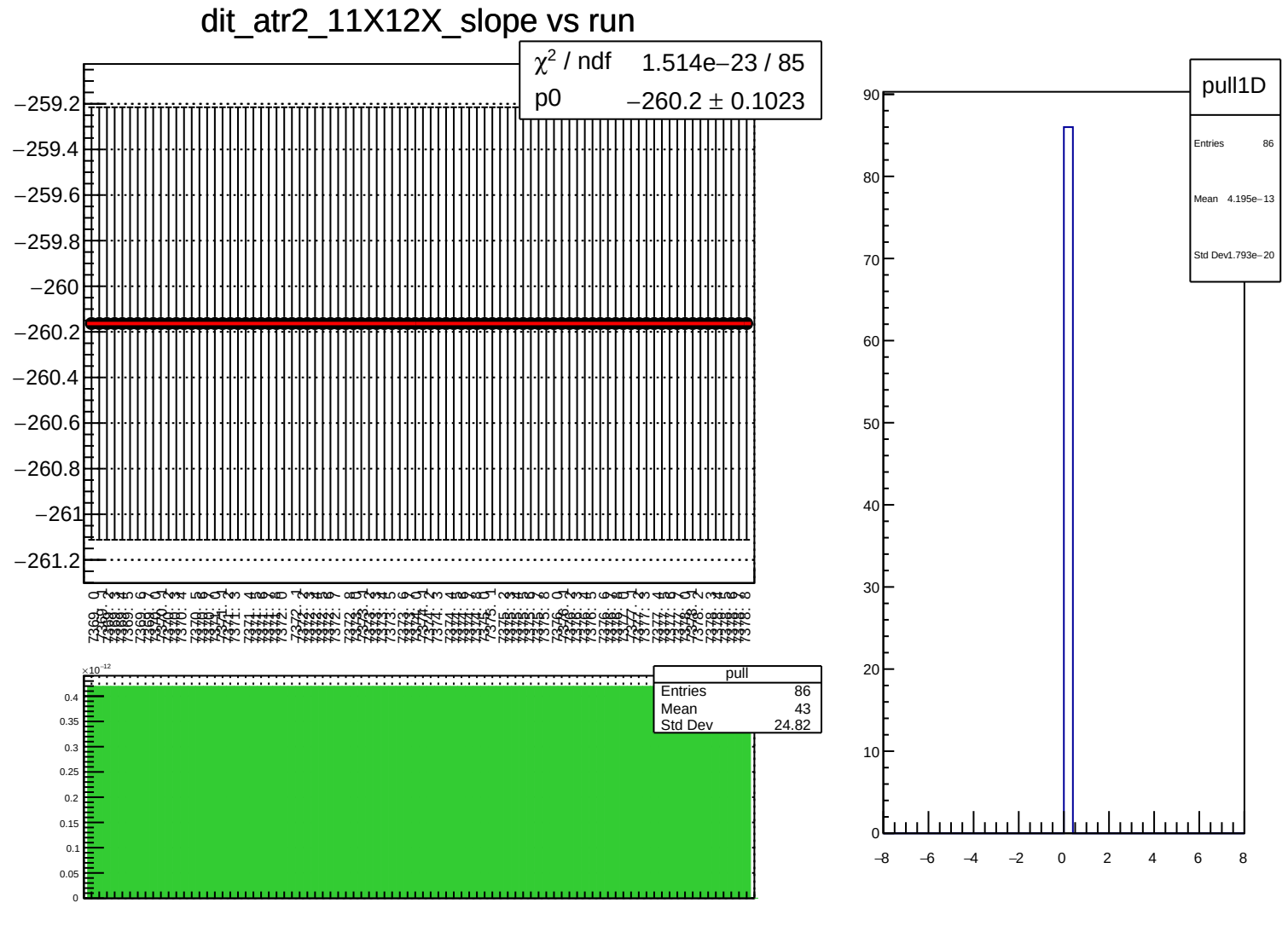

dit_atr1_4aY_slope vs run
χ² / ndf 4.457e−25 / 85
p0 18.81 ± 0.07982
19.6
19.4
19.2
19
18.8
18.6
18.4
18.2
18
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −7.199e−14
Std Dev2.241e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

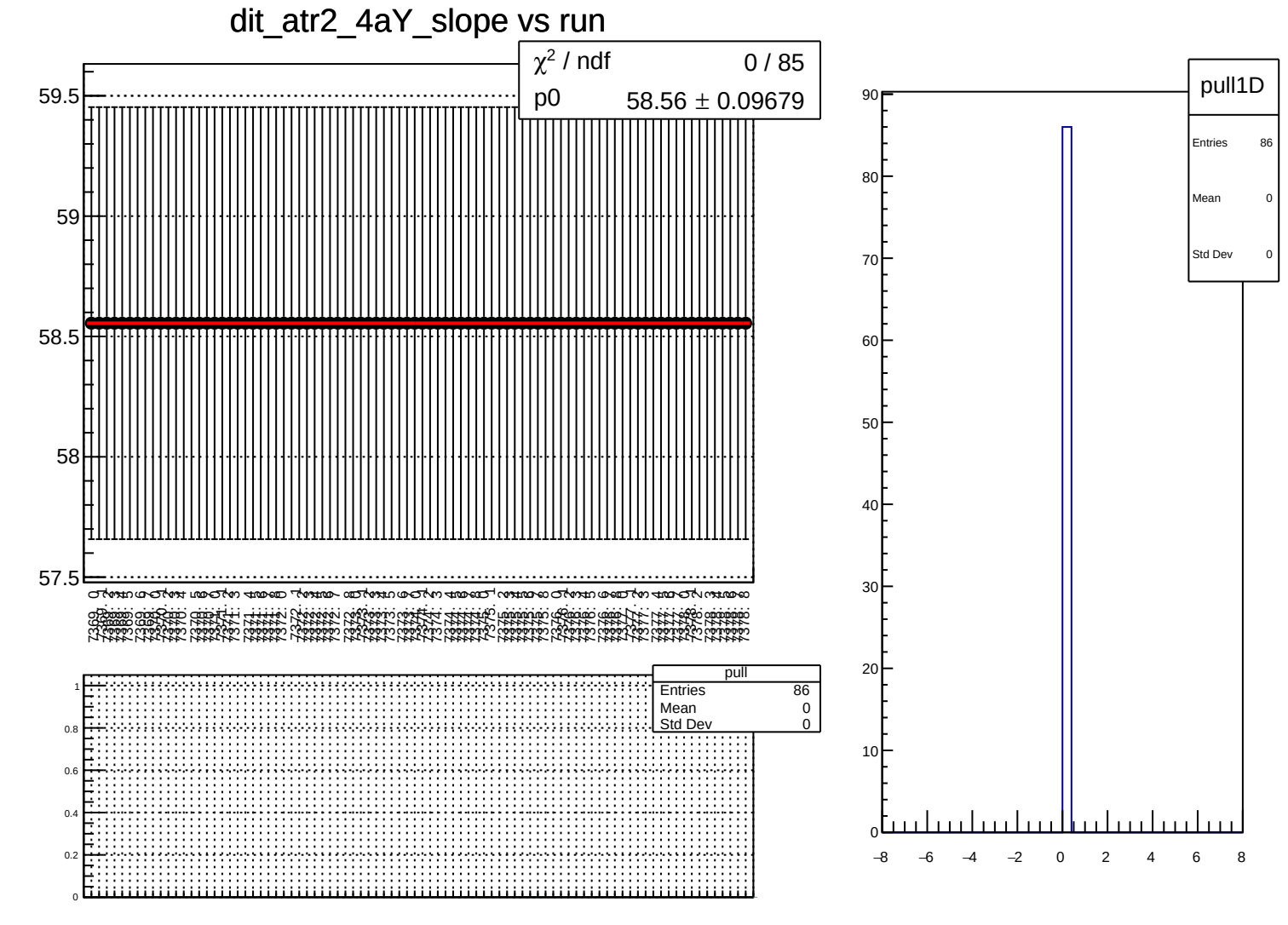

dit_atr1_4eY_slope vs run
χ² / ndf 9.426e−25 / 85
p0 −27.18 ± 0.06953
−26.6
−26.8
−27
−27.2
−27.4
−27.6
−27.8
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
pull1D
Entries 86
Mean −1.047e−13
Std Dev5.489e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

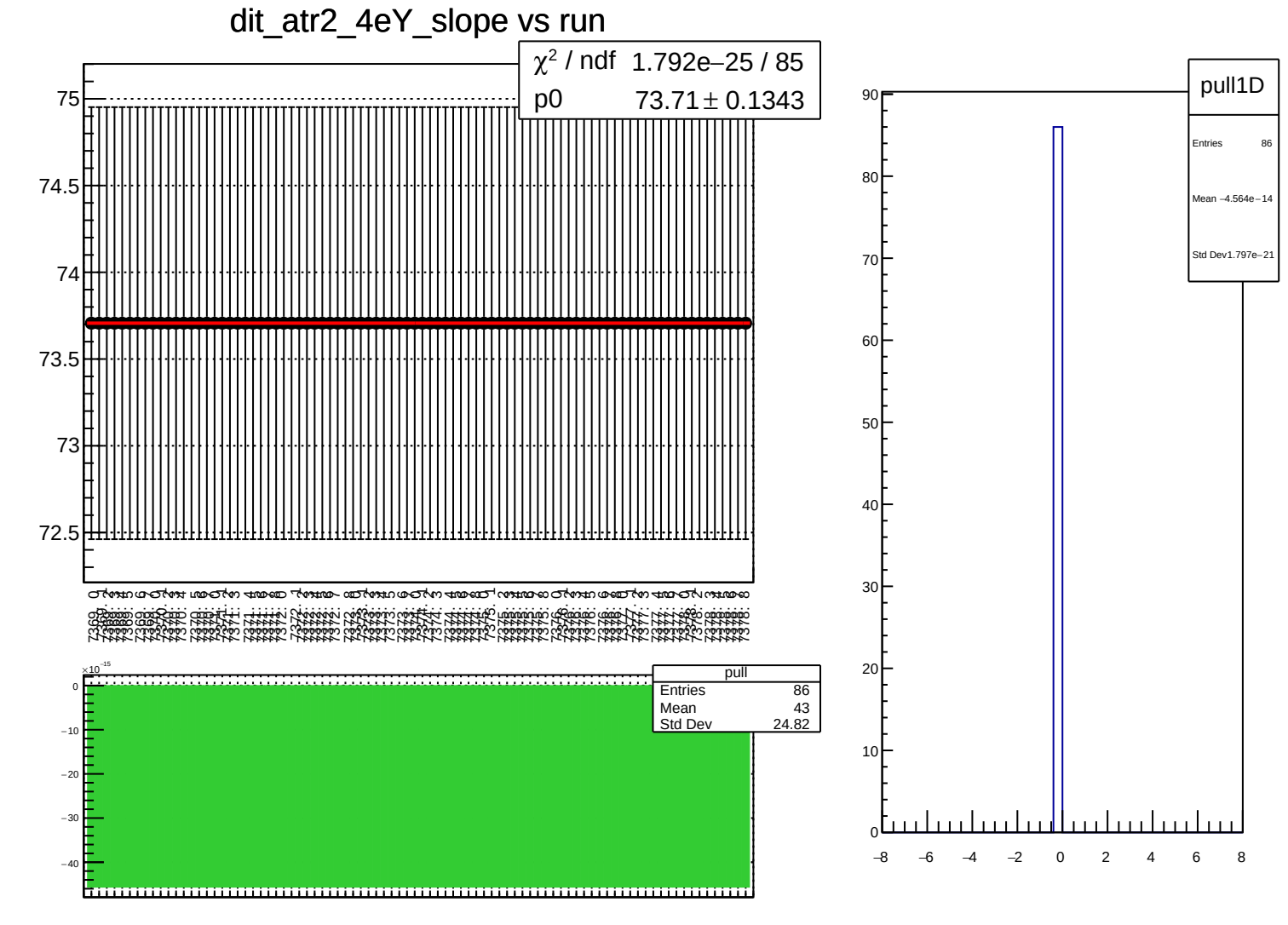

dit_atr2_4aX_slope vs run
χ² / ndf 5.368e−25 / 85
p0 −836.4 ± 0.7758
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −7.901e−14
Std Dev3.169e−21

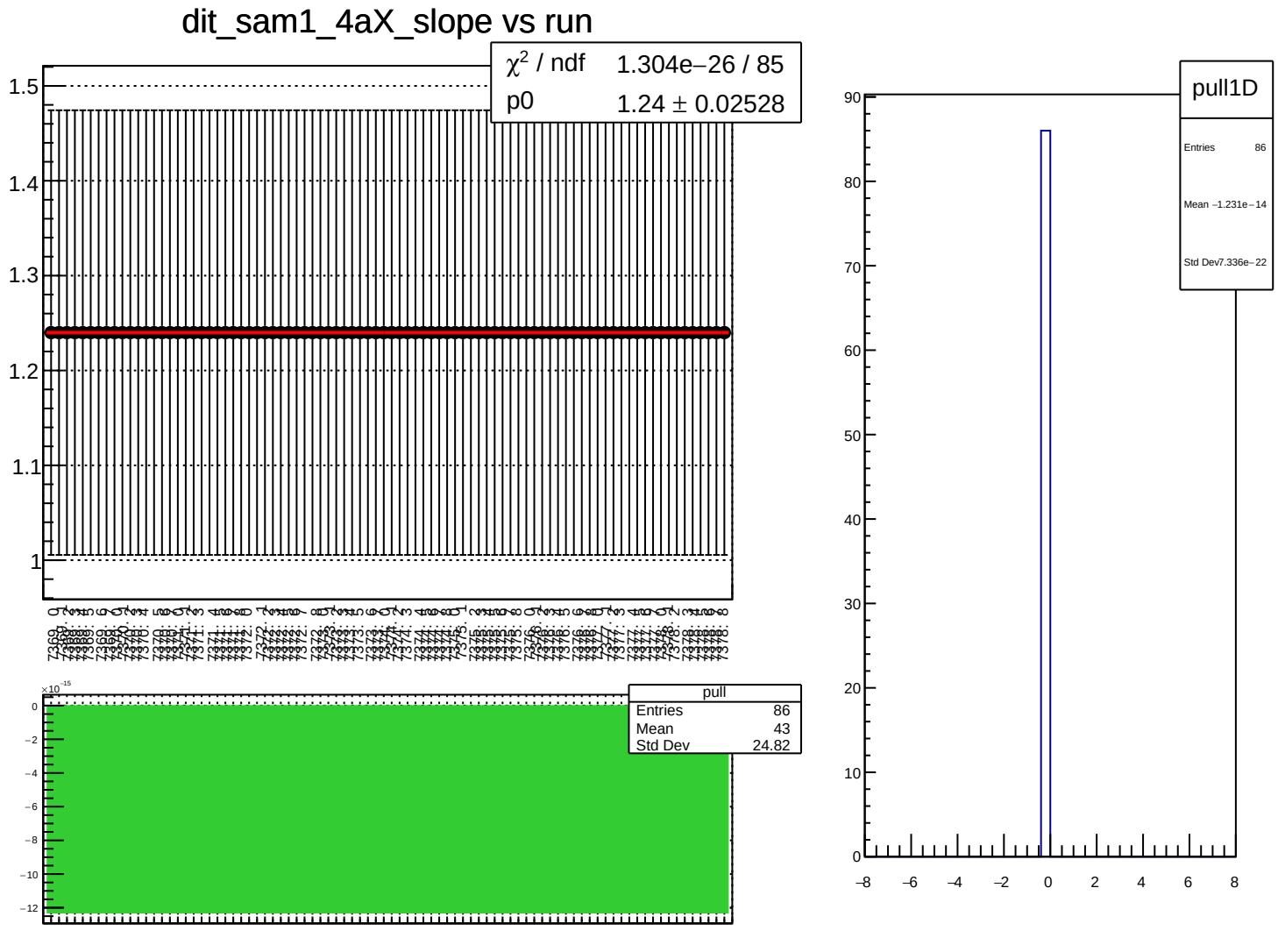

dit_atr2_4eX_slope vs run
χ² / ndf 1.751e−23 / 85
p0 974.3 ± 0.7064
982
980
978
976
974
972
970
968
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

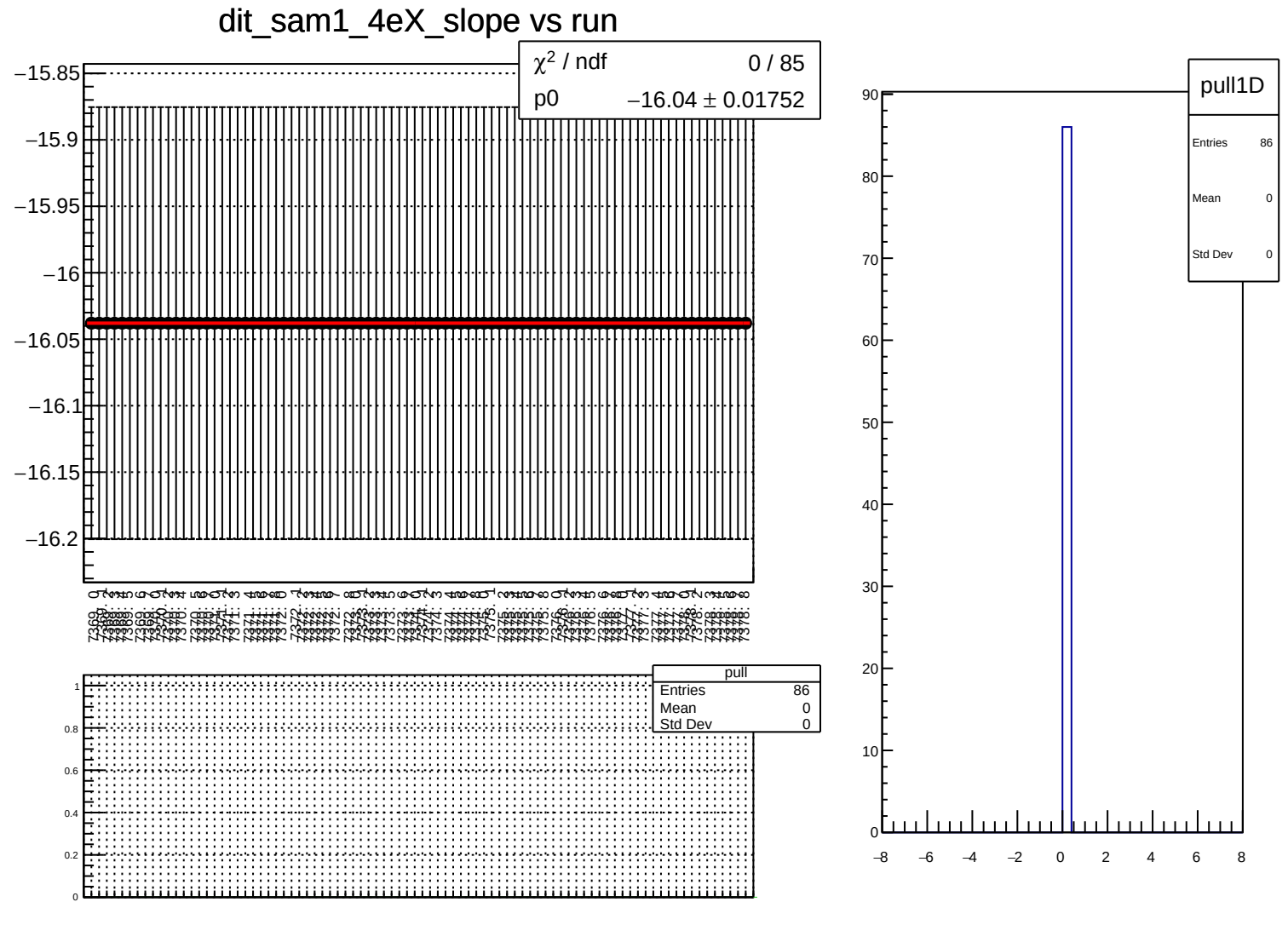

pull1D
Entries 86
Mean 4.512e−13
Std Dev 2.396e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

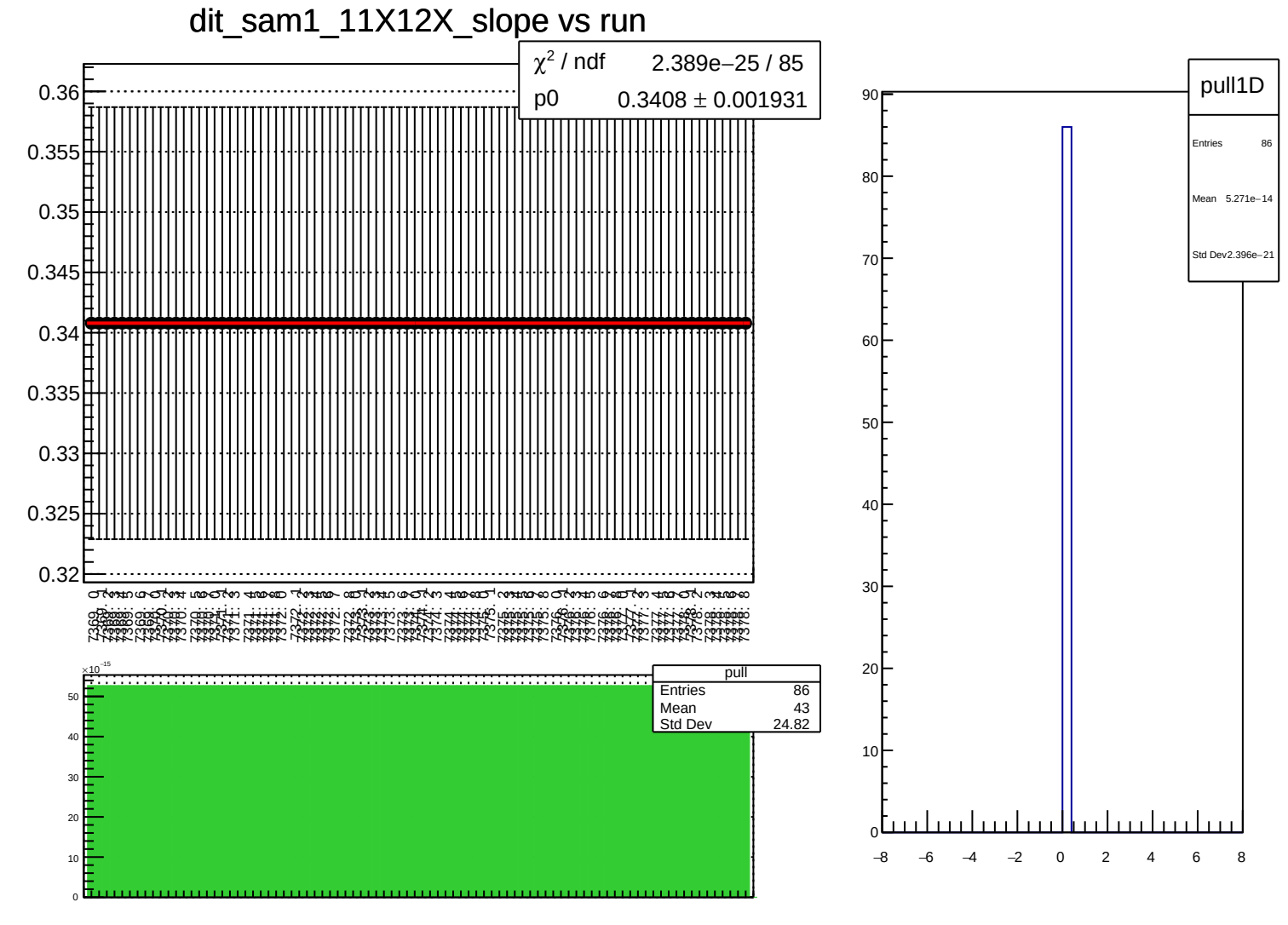

dit_atr2_11X12X_slope vs run
χ² / ndf 1.514e−23 / 85
p0 −260.2 ± 0.1023
−259.2
−259.4
−259.6
−259.8
−260
−260.2
−260.4
−260.6
−260.8
−261
−261.2
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 86
Mean 4.195e−13
Std Dev1.793e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

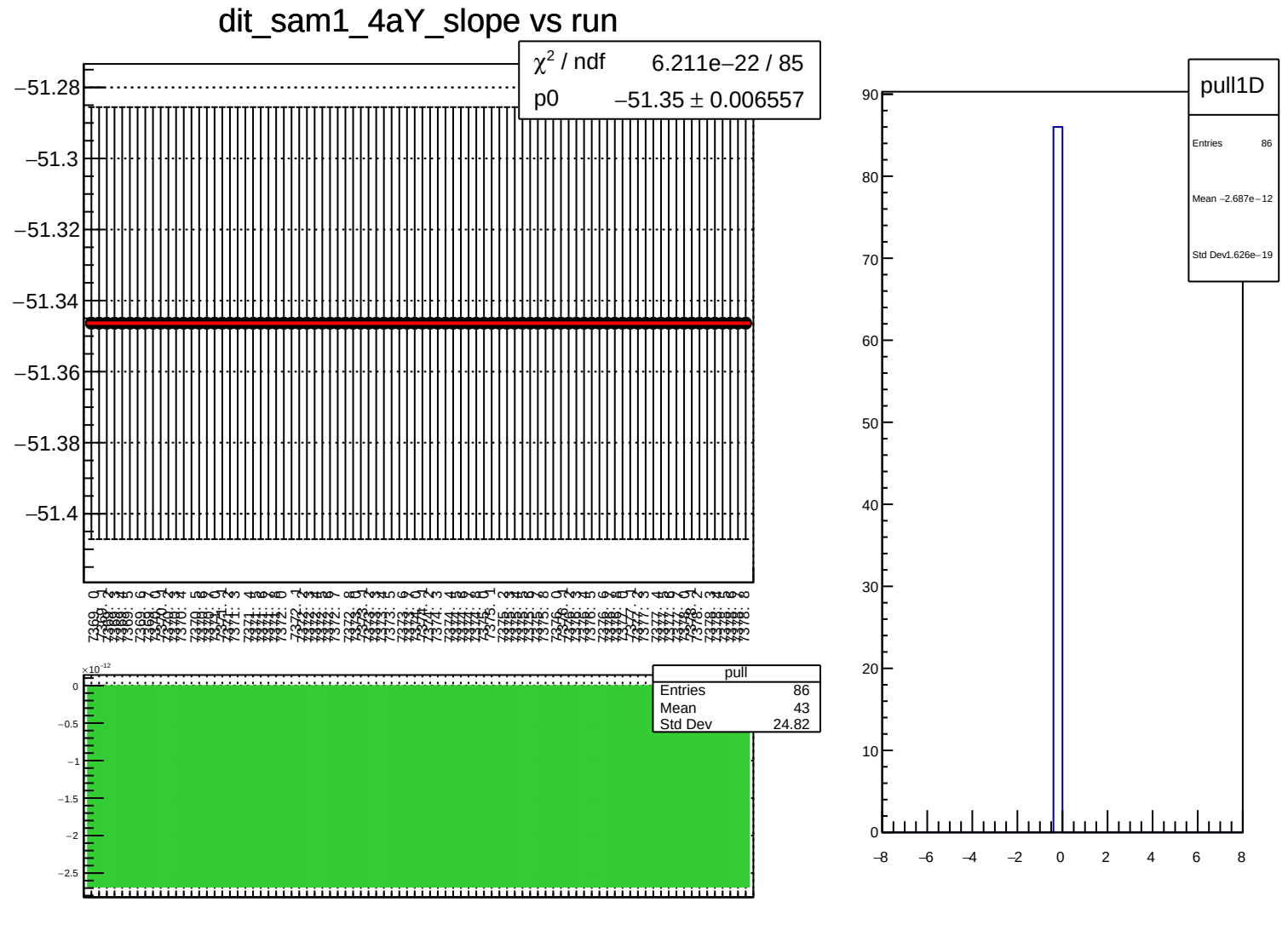

dit_atr2_4aY_slope vs run
χ² / ndf 0 / 85
p0 58.56 ± 0.09679
59.5
59
58.5
58
57.5
pull
Entries 86
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 86
Mean 0
Std Dev 0
90
80
70
60
50
40
30
20
10
0
–8
–6
–4
–2
0
2
4
6
8

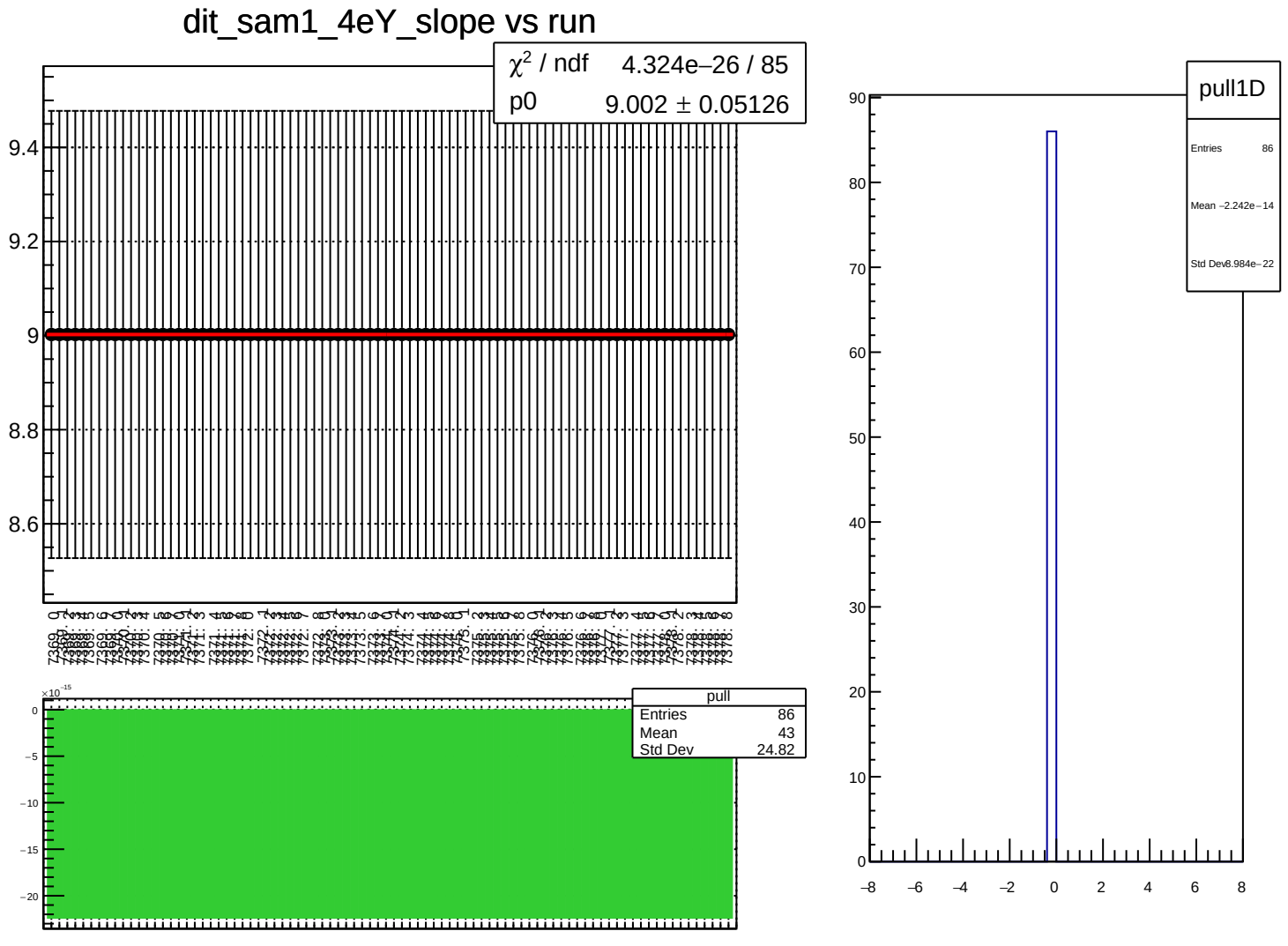

dit_atr2_4eY_slope vs run
χ² / ndf 1.792e−25 / 85
p0 73.71 ± 0.1343
75
74.5
74
73.5
73
72.5
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
pull1D
Entries 86
Mean −4.564e−14
Std Dev1.797e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

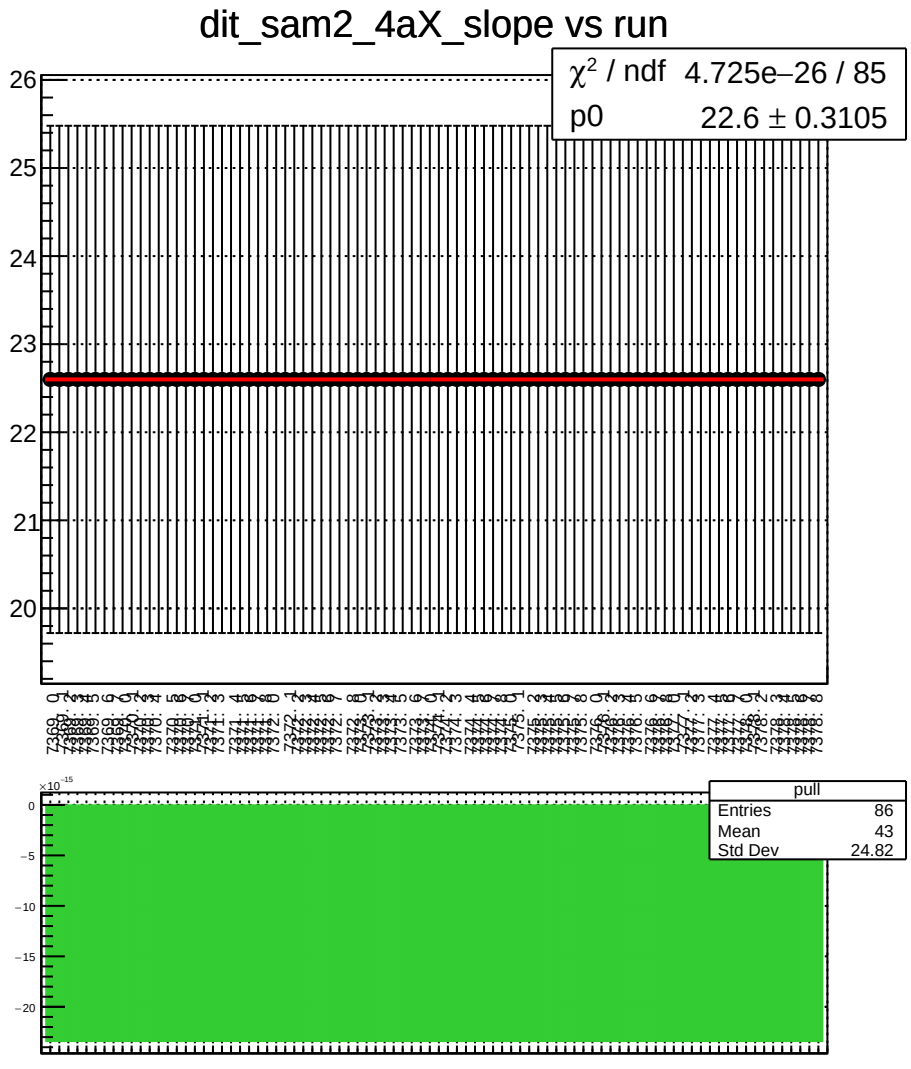

dit_sam1_4aX_slope vs run
χ² / ndf 1.304e−26 / 85
p0 1.24 ± 0.02528
1.5
1.4
1.3
1.2
1.1
1
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 86
Mean −1.231e−14
Std Dev7.336e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

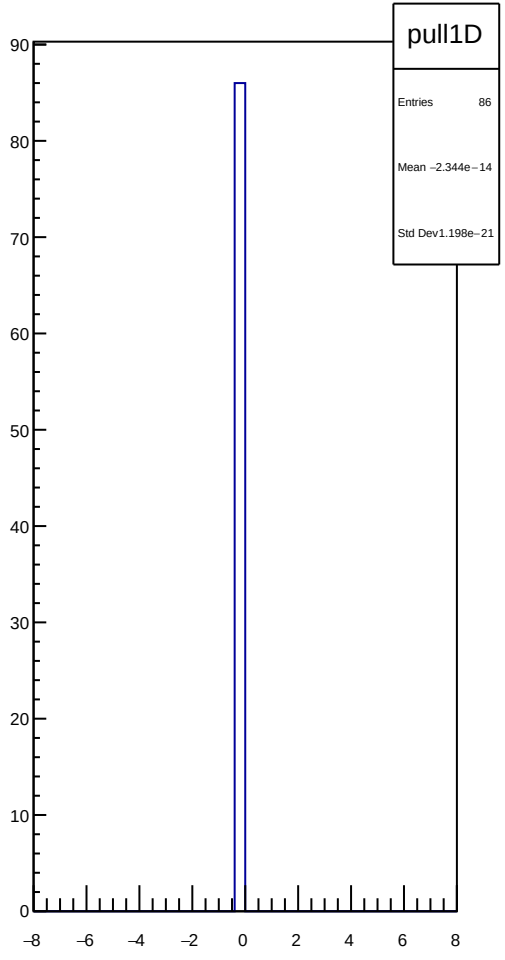

dit_sam1_4eX_slope vs run
χ² / ndf 0 / 85
p0 −16.04 ± 0.01752
−15.85
−15.9
−15.95
−16
−16.05
−16.1
−16.15
−16.2
pull
Entries 86
Mean 0
Std Dev 0
pull1D
Entries 86
Mean 0
Std Dev 0

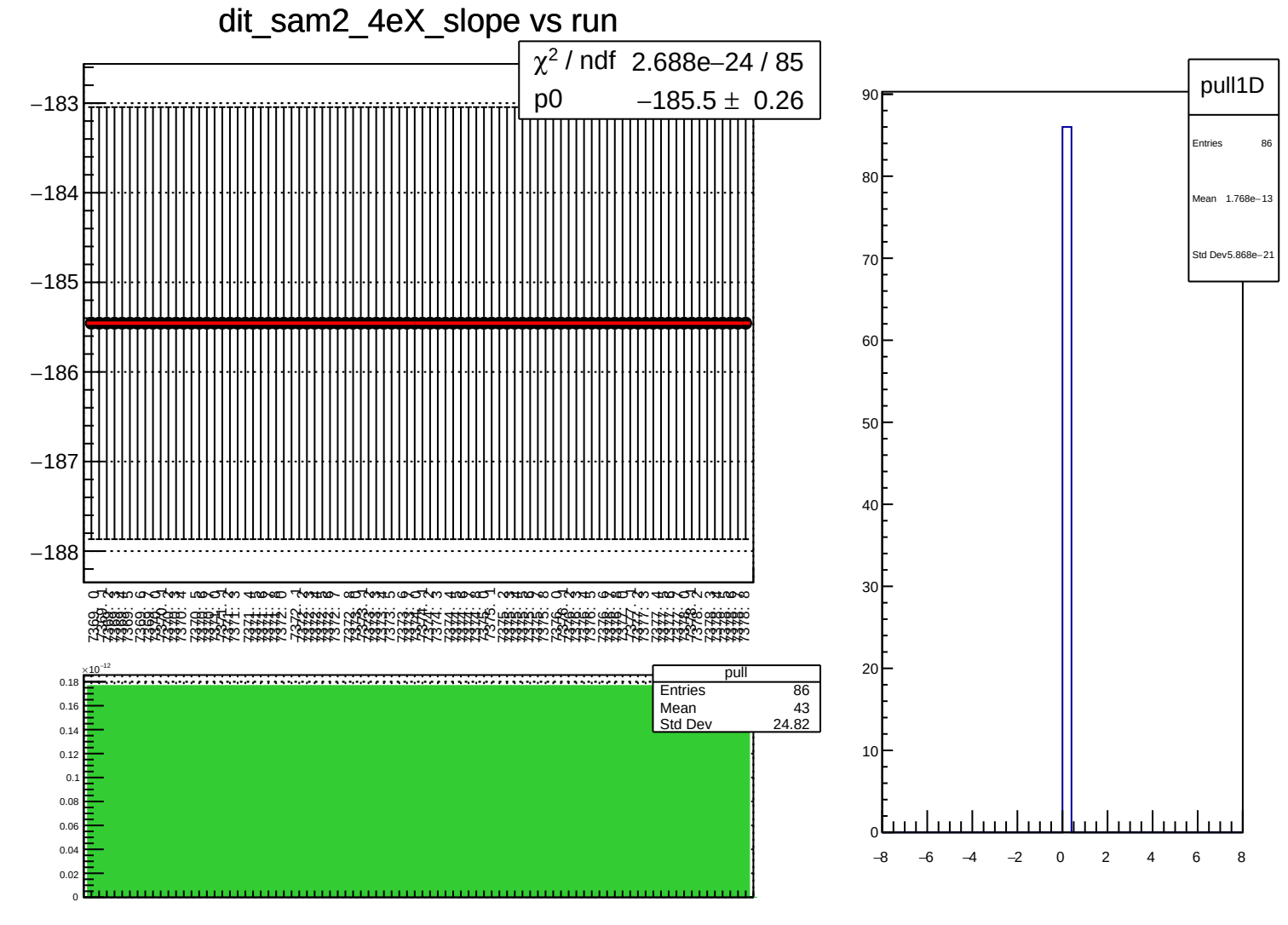

dit_sam1_11X12X_slope vs run
χ² / ndf 2.389e−25 / 85
p0 0.3408 ± 0.001931
0.36
0.355
0.35
0.345
0.34
0.335
0.33
0.325
0.32
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
50
40
30
20
10
0
pull1D
Entries 86
Mean 5.271e−14
Std Dev 2.396e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

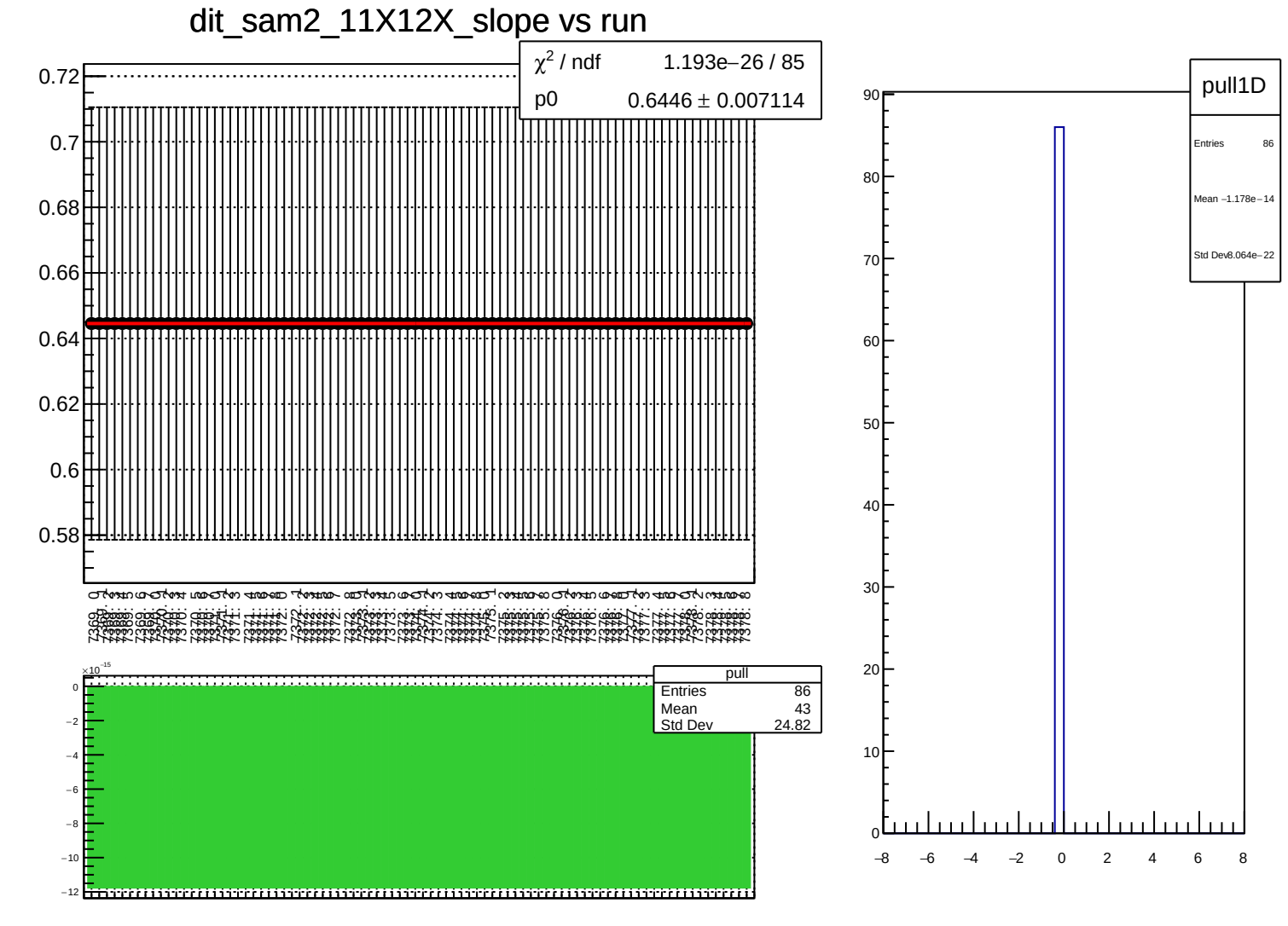

dit_sam1_4aY_slope vs run
χ² / ndf 6.211e−22 / 85
p0 −51.35 ± 0.006557
−51.28
−51.3
−51.32
−51.34
−51.36
−51.38
−51.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 86
Mean −2.687e−12
Std Dev1.626e−19
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

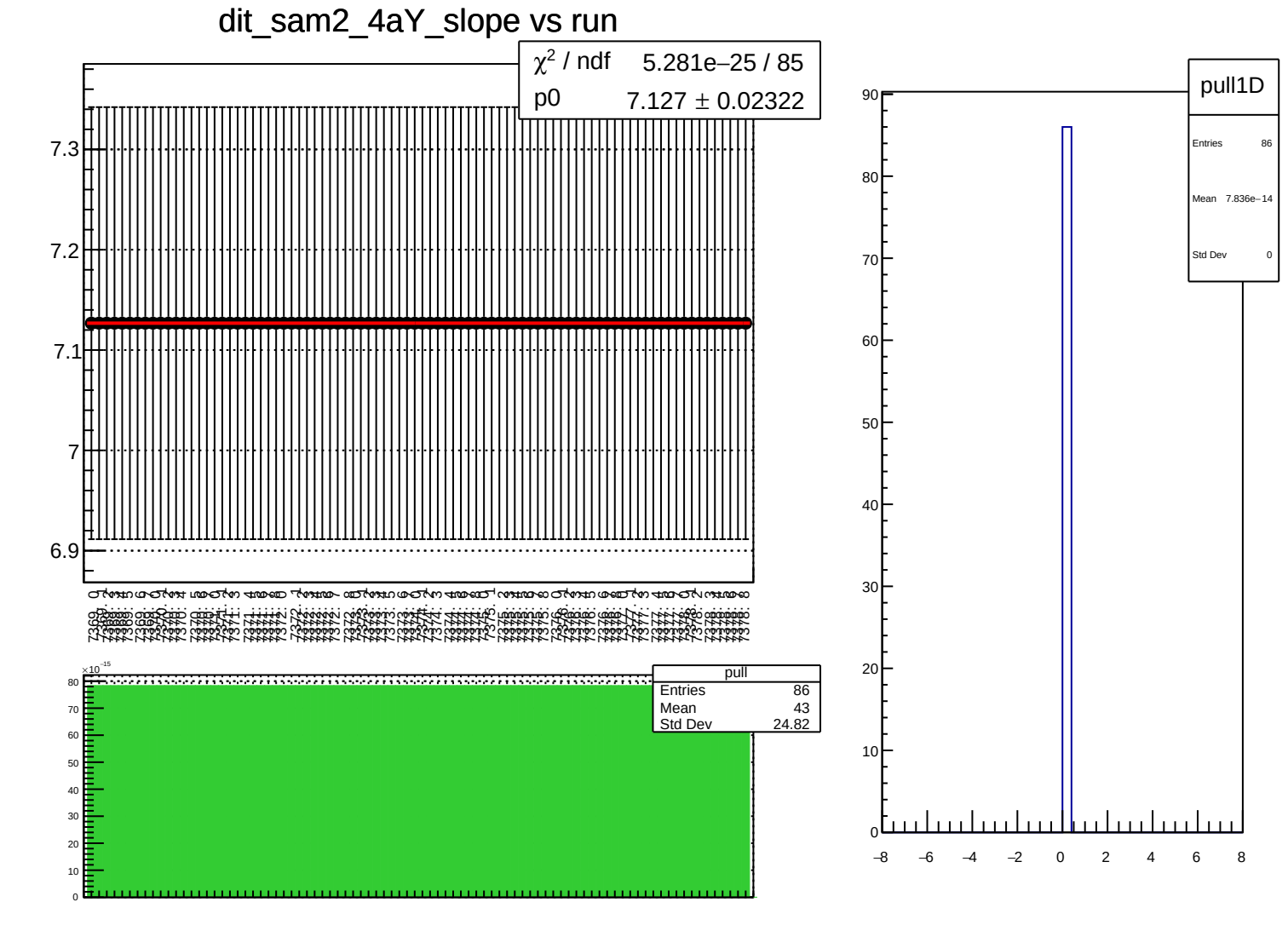

dit_sam1_4eY_slope vs run
χ² / ndf 4.324e−26 / 85
p0 9.002 ± 0.05126
9.4
9.2
9
8.8
8.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−5
−10
−15
−20
pull1D
Entries 86
Mean −2.242e−14
Std Dev 8.984e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

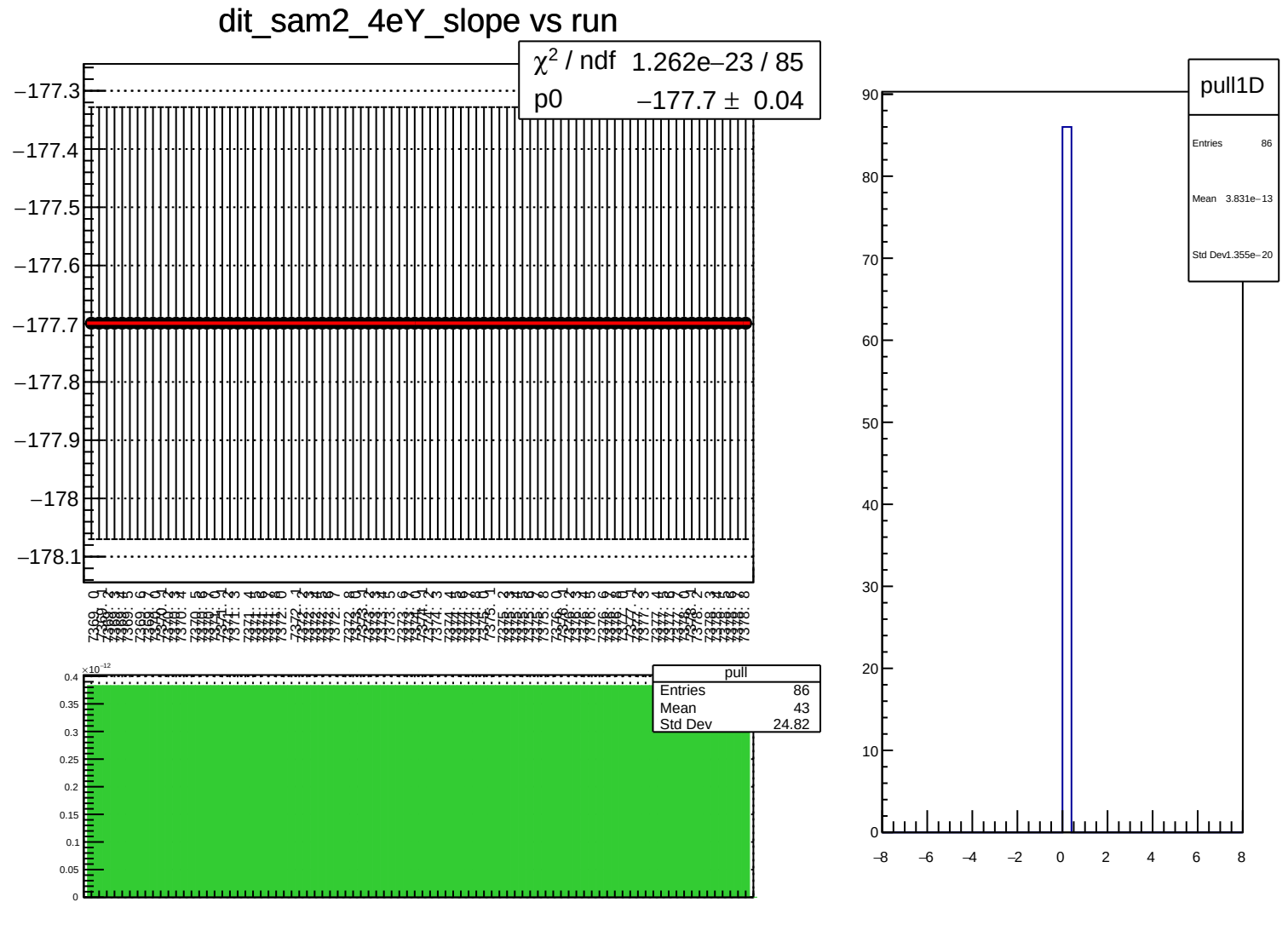

dit_sam2_4aX_slope vs run
χ² / ndf 4.725e−26 / 85
p0 22.6 ± 0.3105
pull
Entries 86
Mean 43
Std Dev 24.82

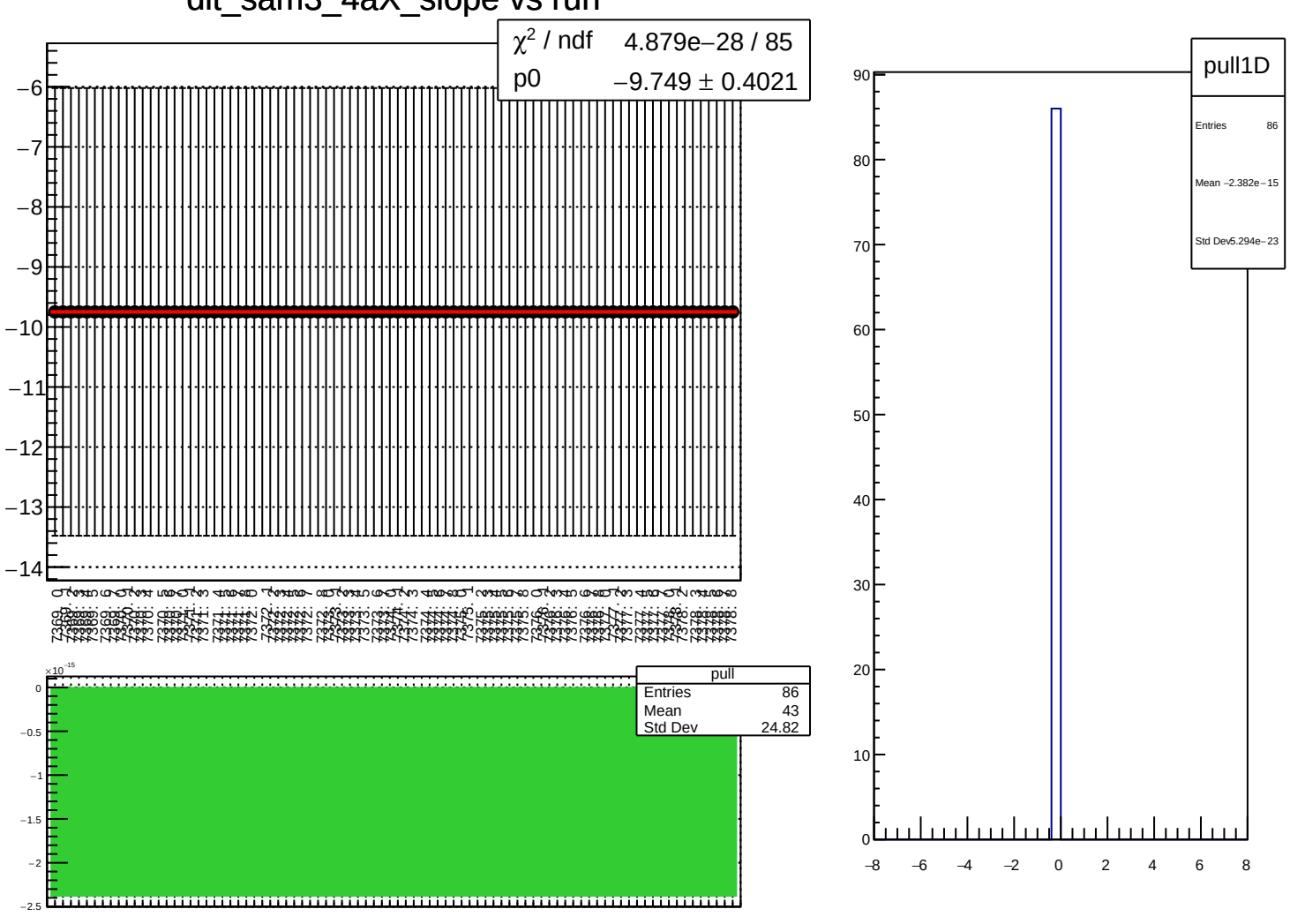

pull1D
Entries 86
Mean −2.344e−14
Std Dev1.198e−21

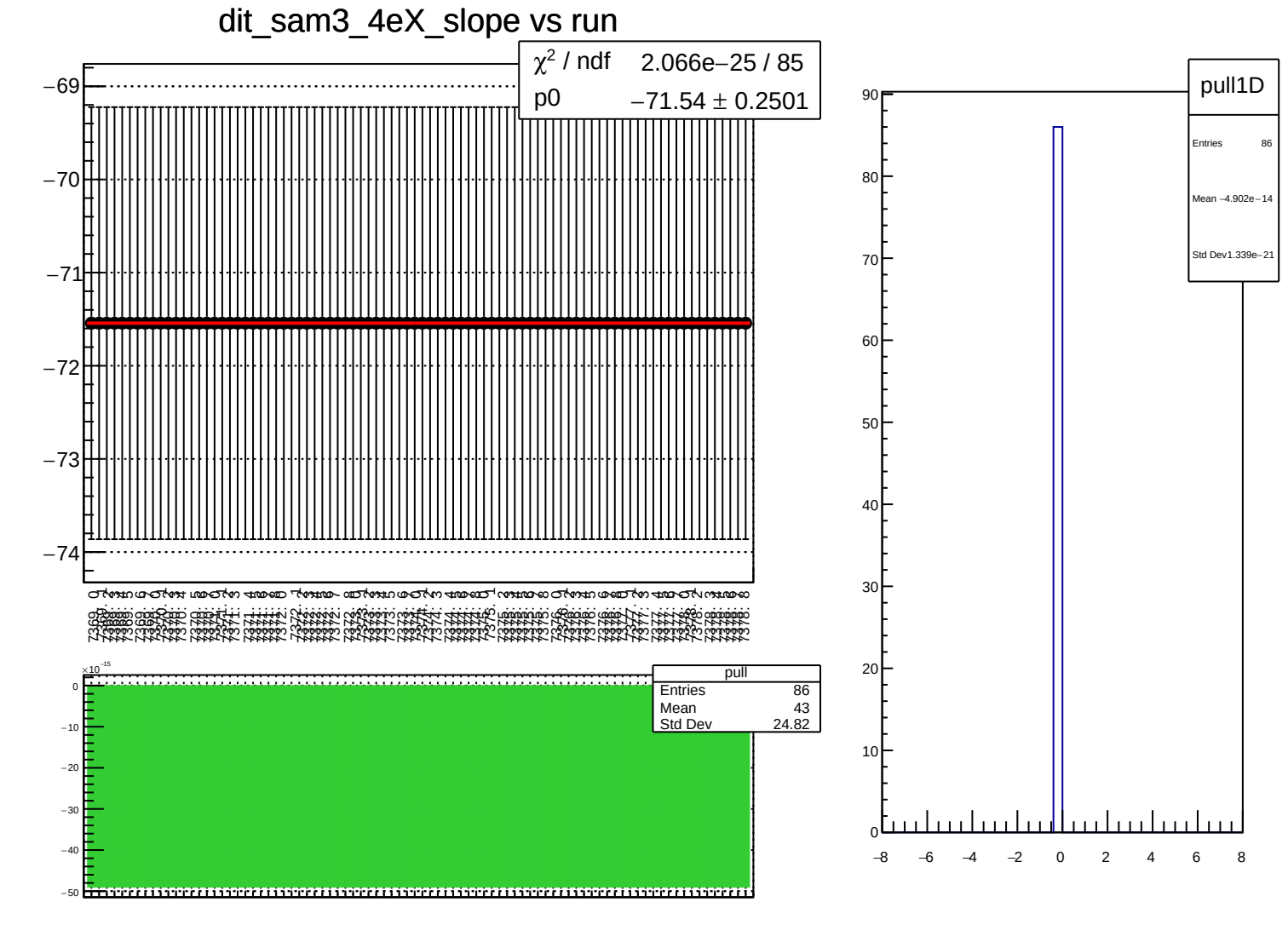

dit_sam2_4eX_slope vs run
χ² / ndf 2.688e−24 / 85
p0 −185.5 ± 0.26
−183
−184
−185
−186
−187
−188
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 1.768e−13
Std Dev 5.868e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

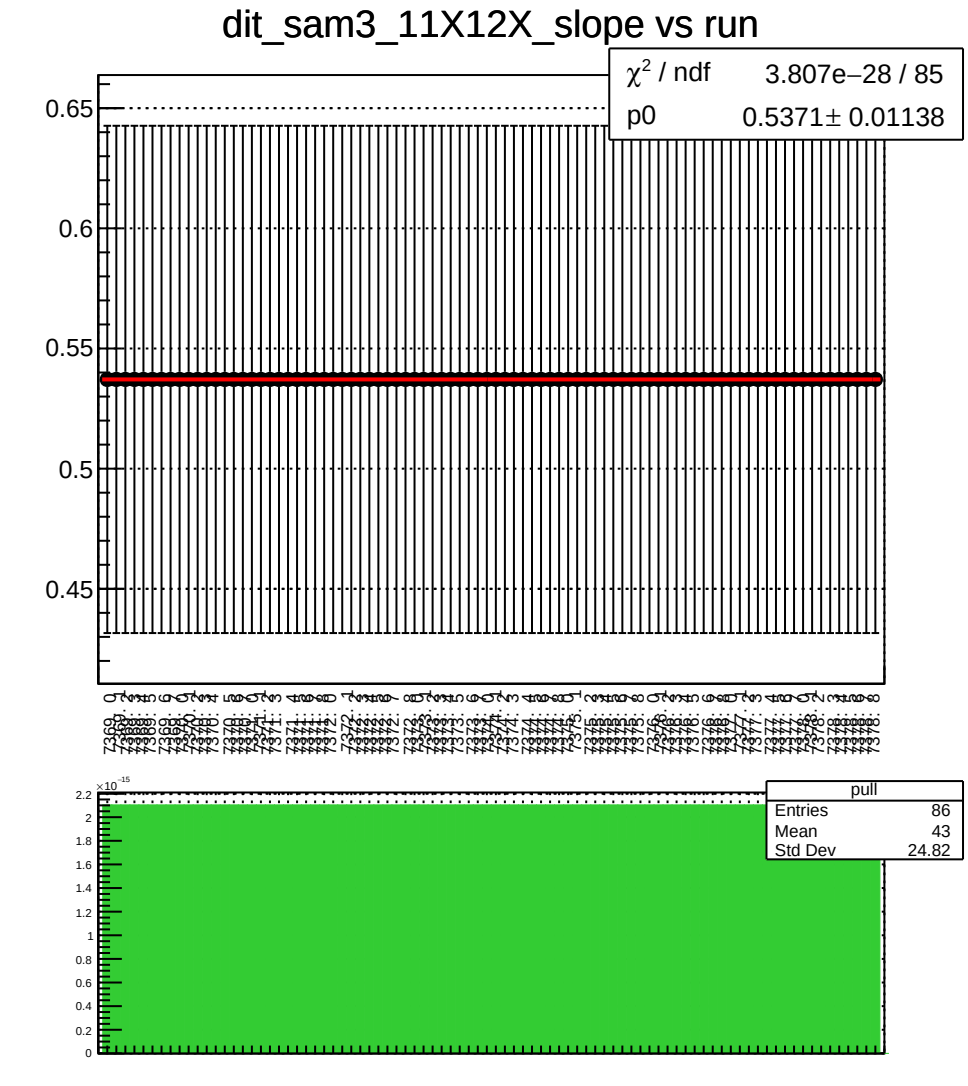

dit_sam2_11X12X_slope vs run
χ² / ndf 1.193e−26 / 85
p0 0.6446 ± 0.007114
0.72
0.7
0.68
0.66
0.64
0.62
0.6
0.58
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−2
−4
−6
−8
−10
−12
pull1D
Entries 86
Mean −1.178e−14
Std Dev 8.064e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

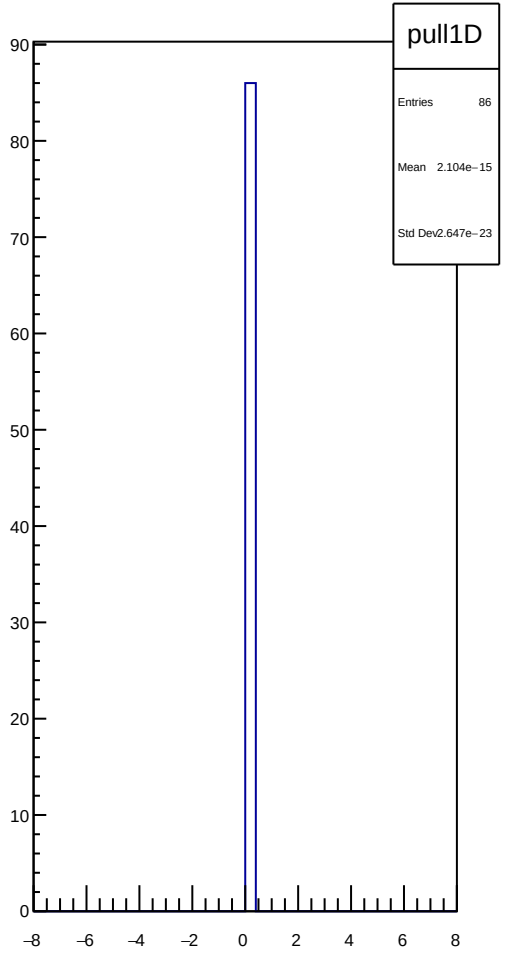

dit_sam2_4aY_slope vs run
χ² / ndf 5.281e−25 / 85
p0 7.127 ± 0.02322
7.3
7.2
7.1
7
6.9
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 7.836e−14
Std Dev 0

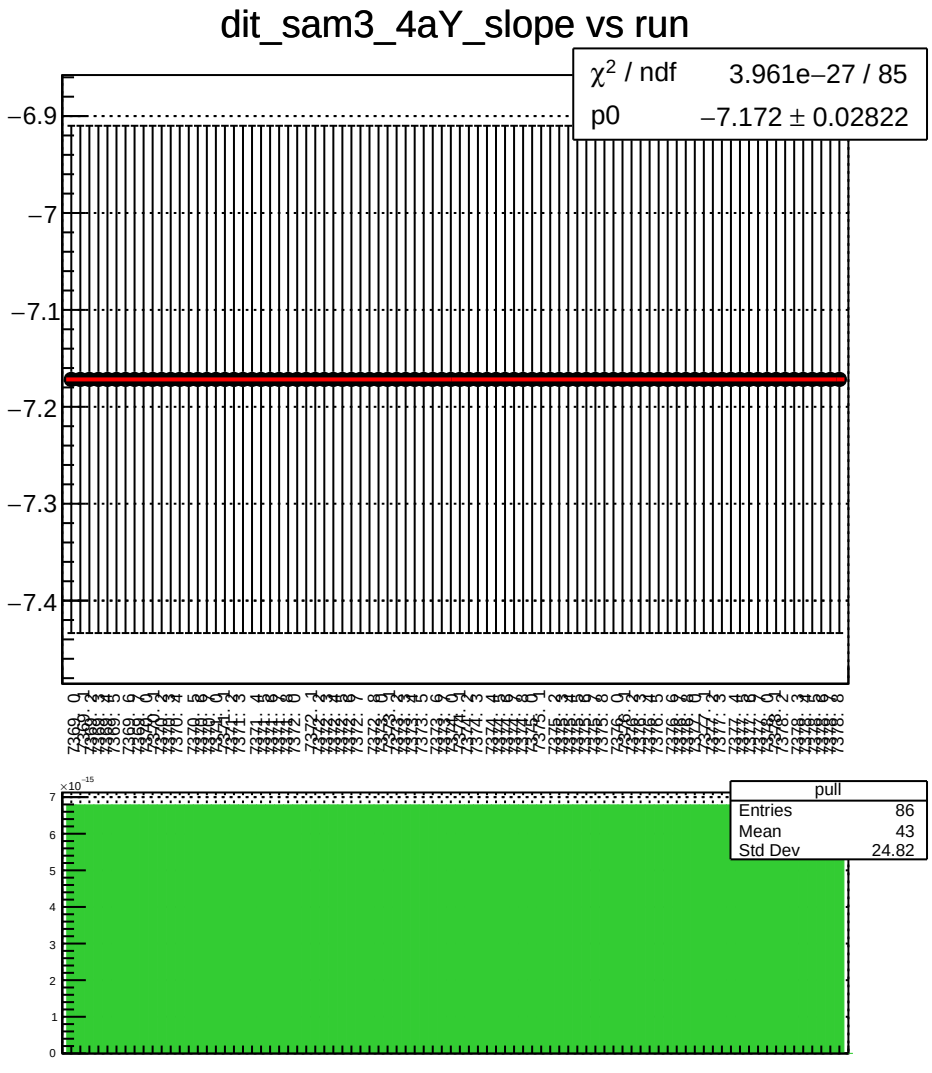

dit_sam2_4eY_slope vs run
χ² / ndf 1.262e−23 / 85
p0 −177.7 ± 0.04
−177.3
−177.4
−177.5
−177.6
−177.7
−177.8
−177.9
−178
−178.1
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 86
Mean 3.831e−13
Std Dev 1.355e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

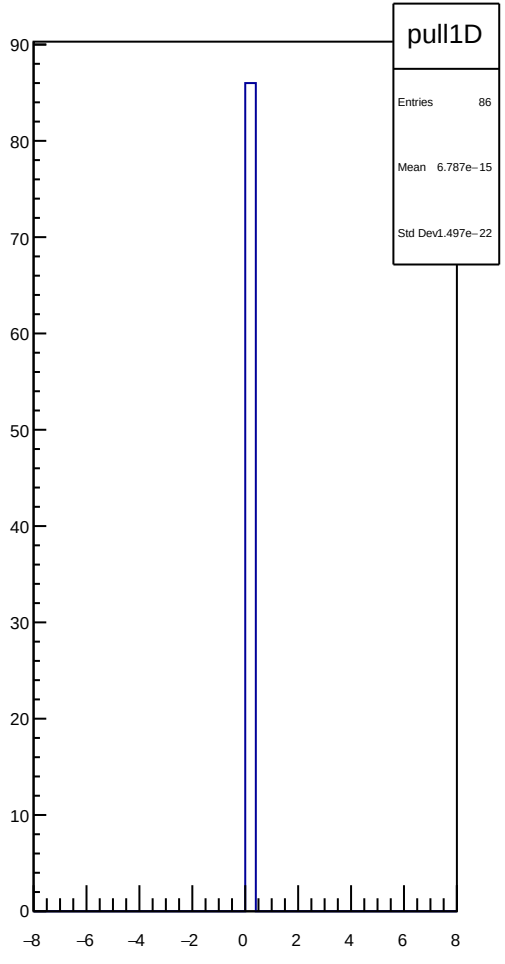

dit_sam3_4aX_slope vs run
χ² / ndf 4.879e−28 / 85
p0 −9.749 ± 0.4021
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −2.382e−15
Std Dev5.294e−23

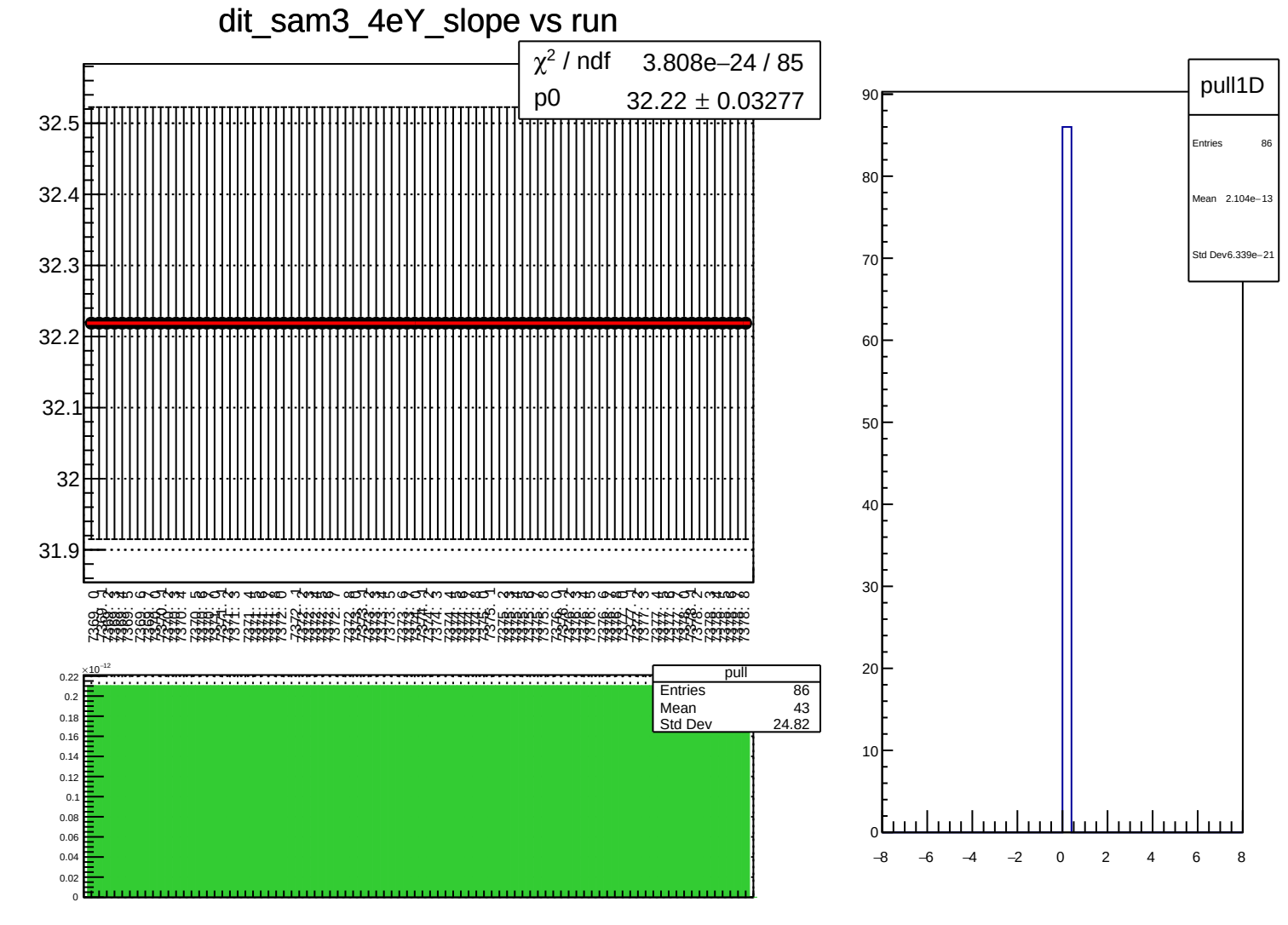

dit_sam3_4eX_slope vs run
χ² / ndf 2.066e−25 / 85
p0 −71.54 ± 0.2501
−69
−70
−71
−72
−73
−74
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
pull1D
Entries 86
Mean −4.902e−14
Std Dev1.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

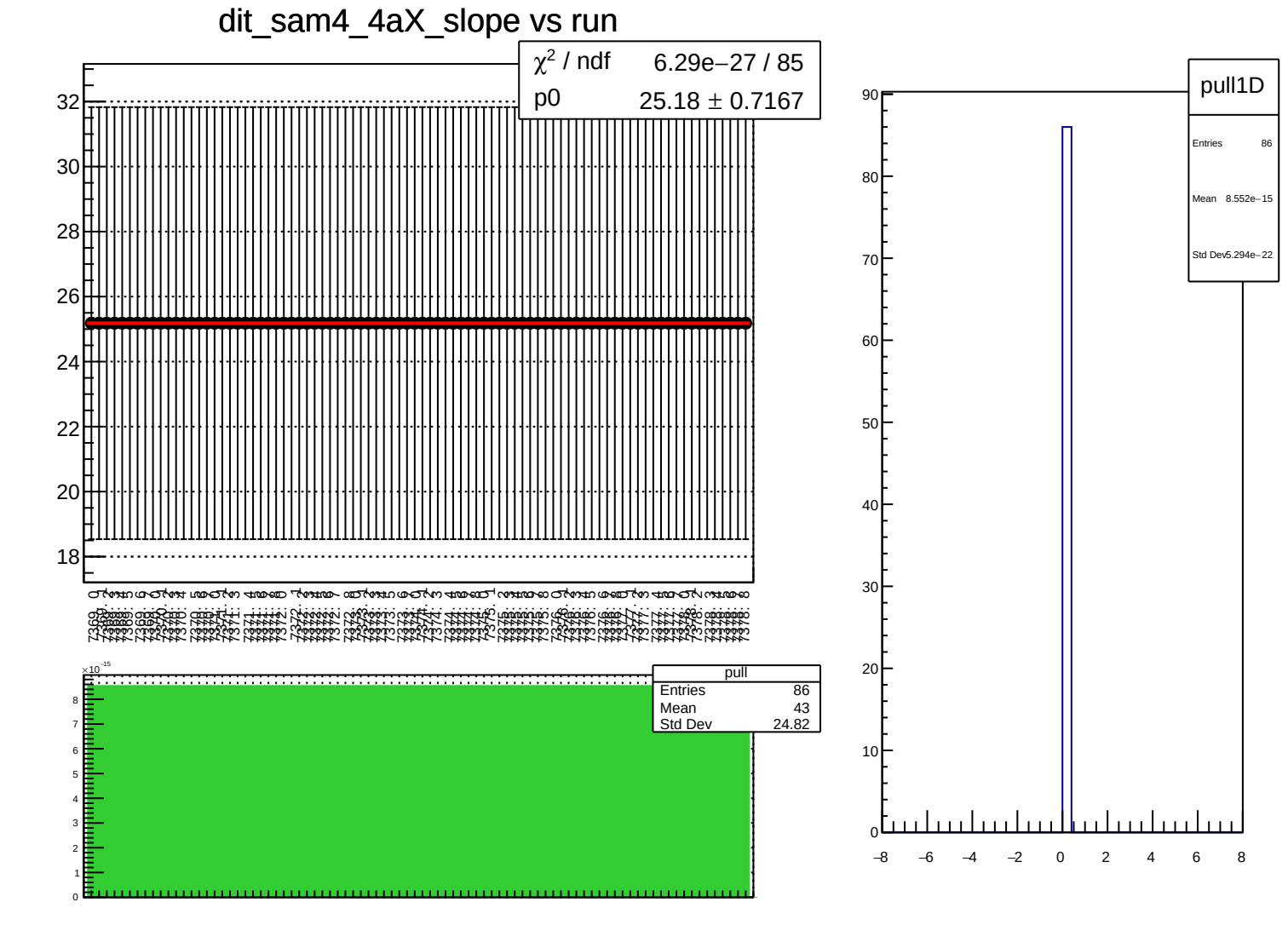

dit_sam3_11X12X_slope vs run
χ² / ndf 3.807e−28 / 85
p0 0.5371± 0.01138
0.65
0.6
0.55
0.5
0.45
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0

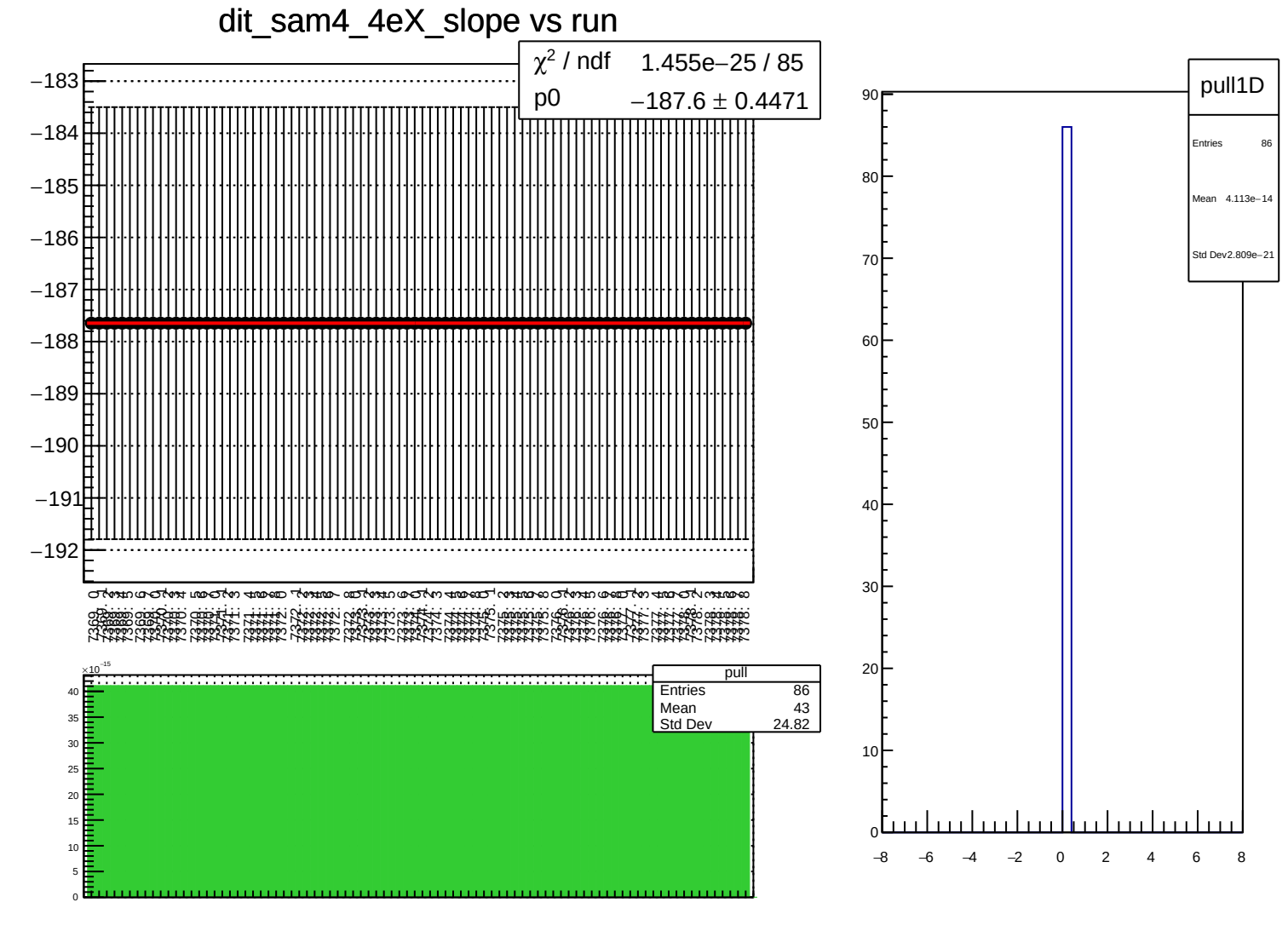

pull1D
Entries 86
Mean 2.104e−15
Std Dev 2.647e−23
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

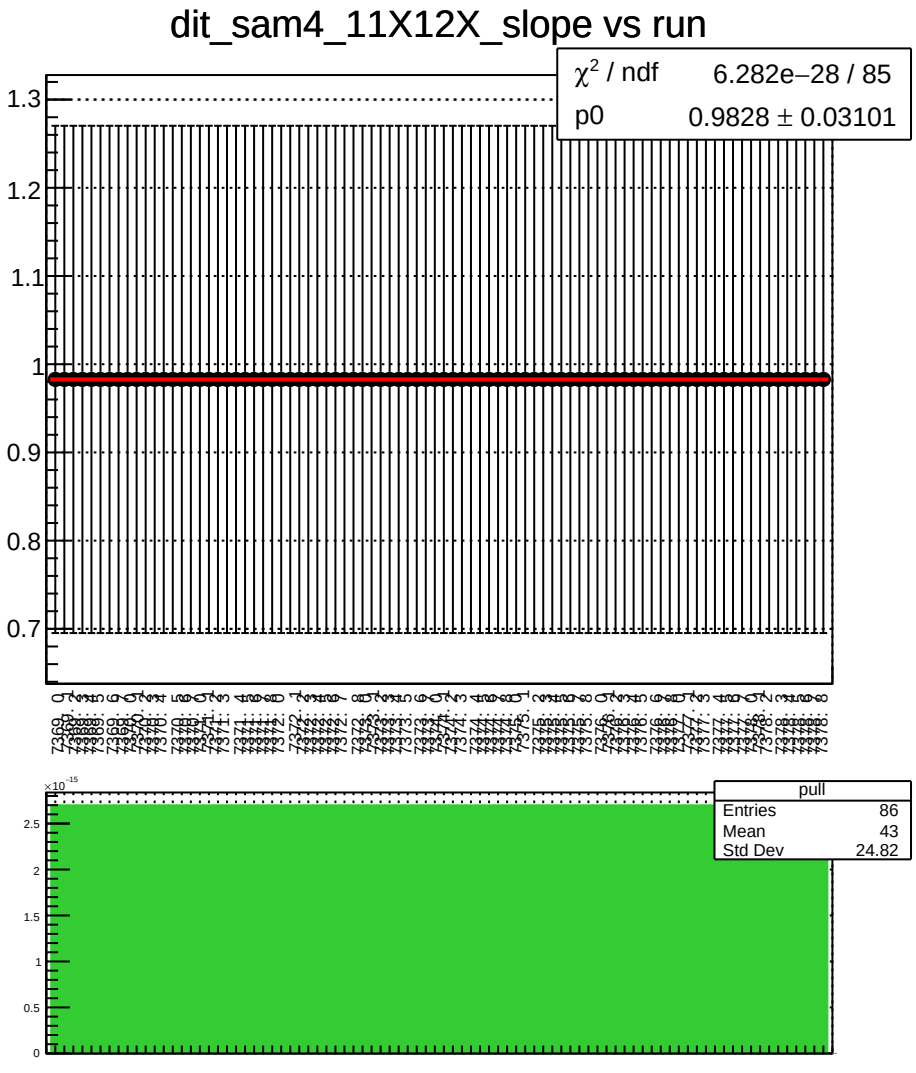

dit_sam3_4aY_slope vs run
χ² / ndf 3.961e−27 / 85
p0 −7.172 ± 0.02822
−6.9
−7
−7.1
−7.2
−7.3
−7.4
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵

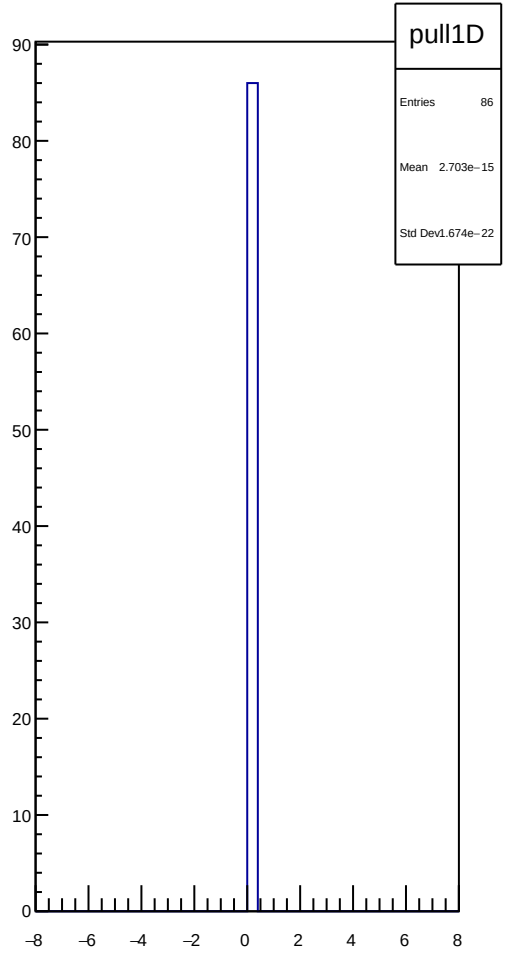

pull1D
Entries 86
Mean 6.787e−15
Std Dev1.497e−22

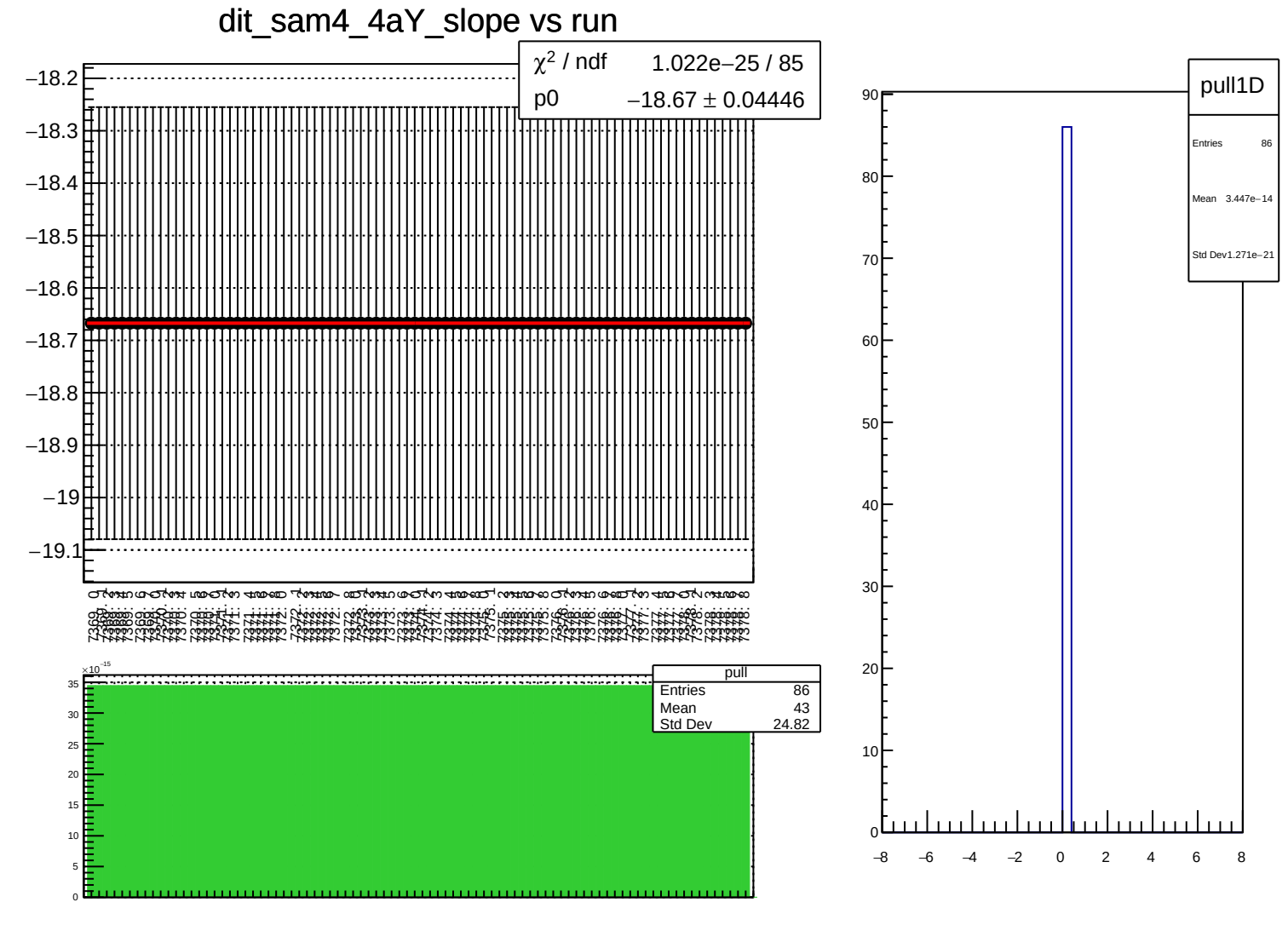

dit_sam3_4eY_slope vs run
χ² / ndf 3.808e−24 / 85
p0 32.22 ± 0.03277
32.5
32.4
32.3
32.2
32.1
32
31.9
×10⁻¹²
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 2.104e−13
Std Dev6.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

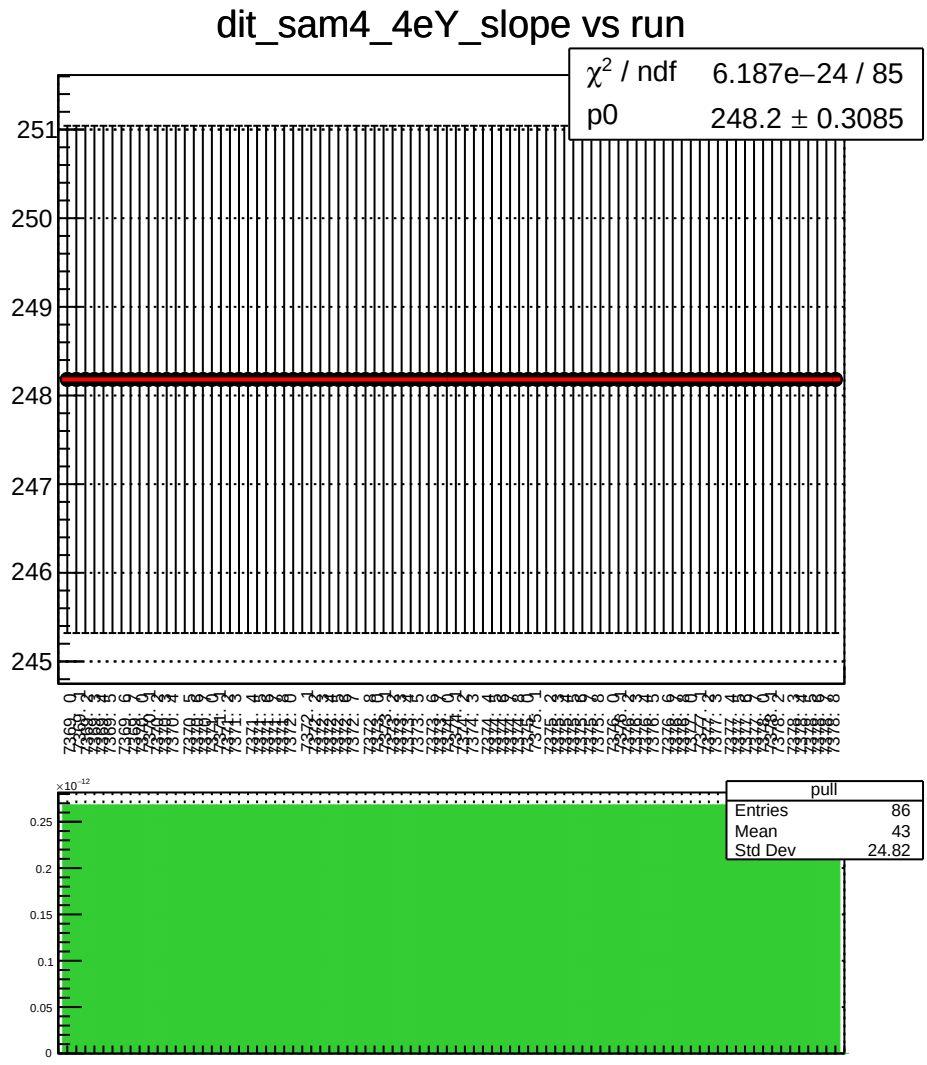

dit_sam4_4aX_slope vs run
χ² / ndf 6.29e−27 / 85
p0 25.18 ± 0.7167
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 8.552e−15
Std Dev 5.294e−22

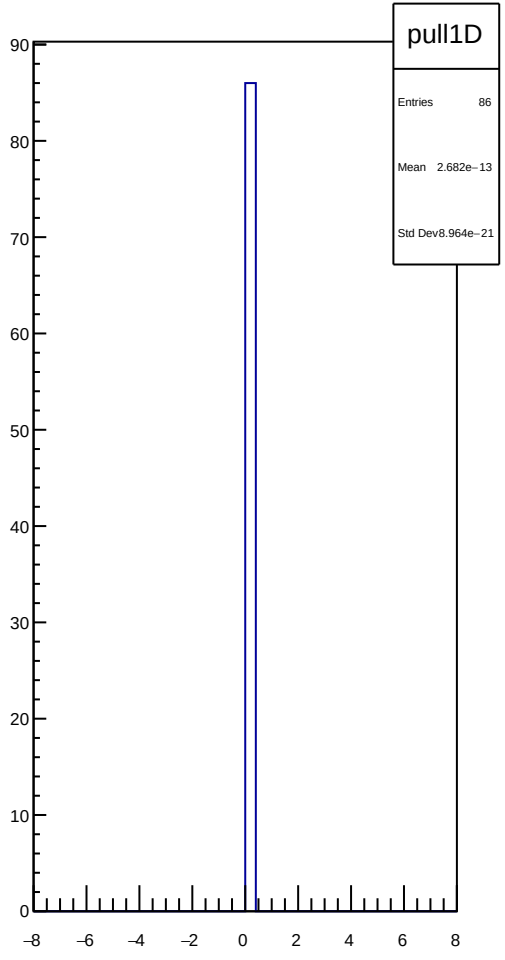

dit_sam4_4eX_slope vs run
χ² / ndf 1.455e−25 / 85
p0 −187.6 ± 0.4471
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 4.113e−14
Std Dev2.809e−21

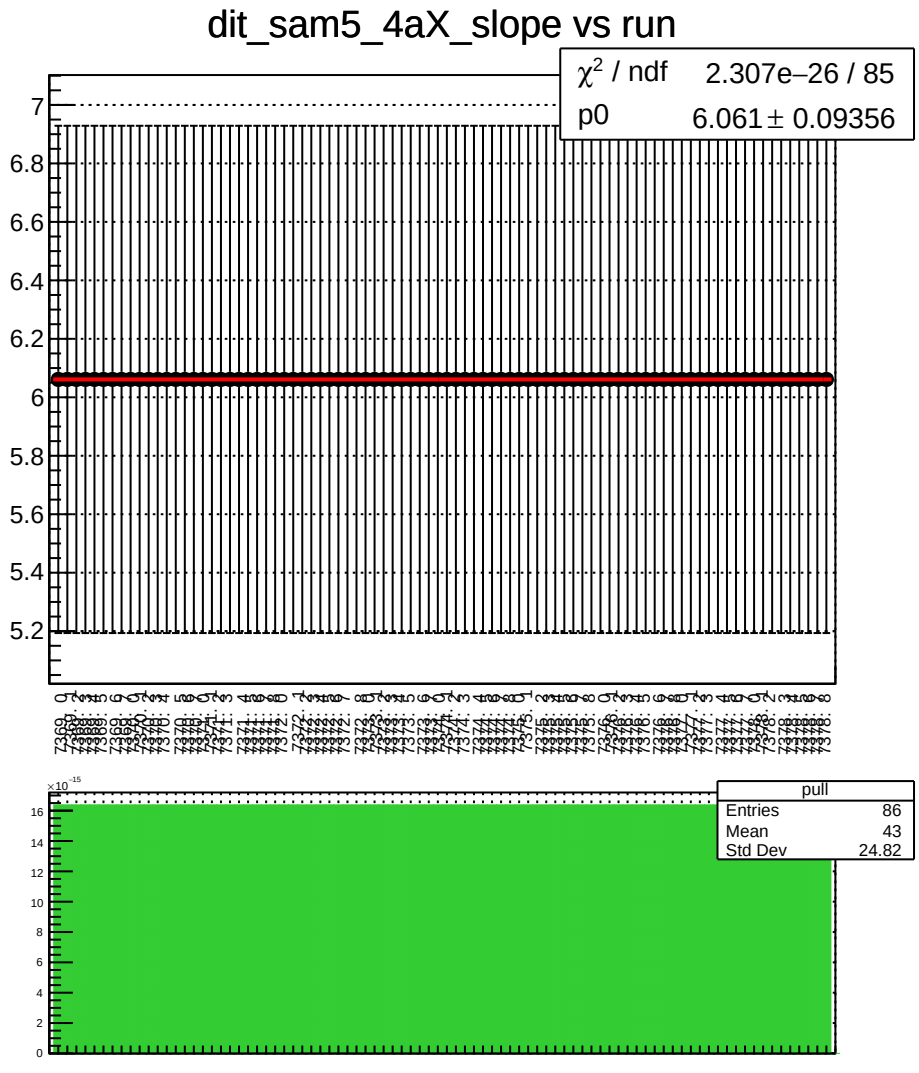

dit_sam4_11X12X_slope vs run
χ² / ndf 6.282e−28 / 85
p0 0.9828 ± 0.03101
1.3
1.2
1.1
1
0.9
0.8
0.7
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
2.5
2
1.5
1
0.5
0

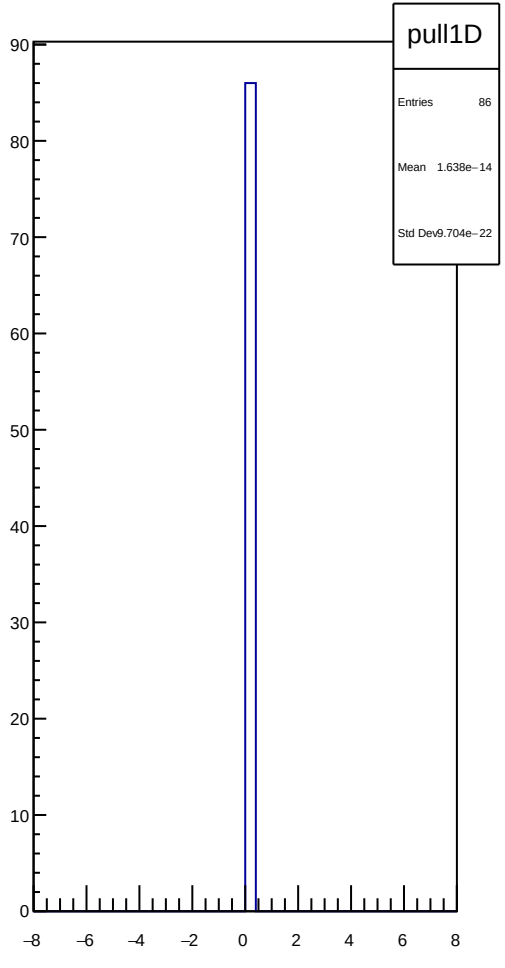

pull1D
Entries 86
Mean 2.703e−15
Std Dev1.674e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

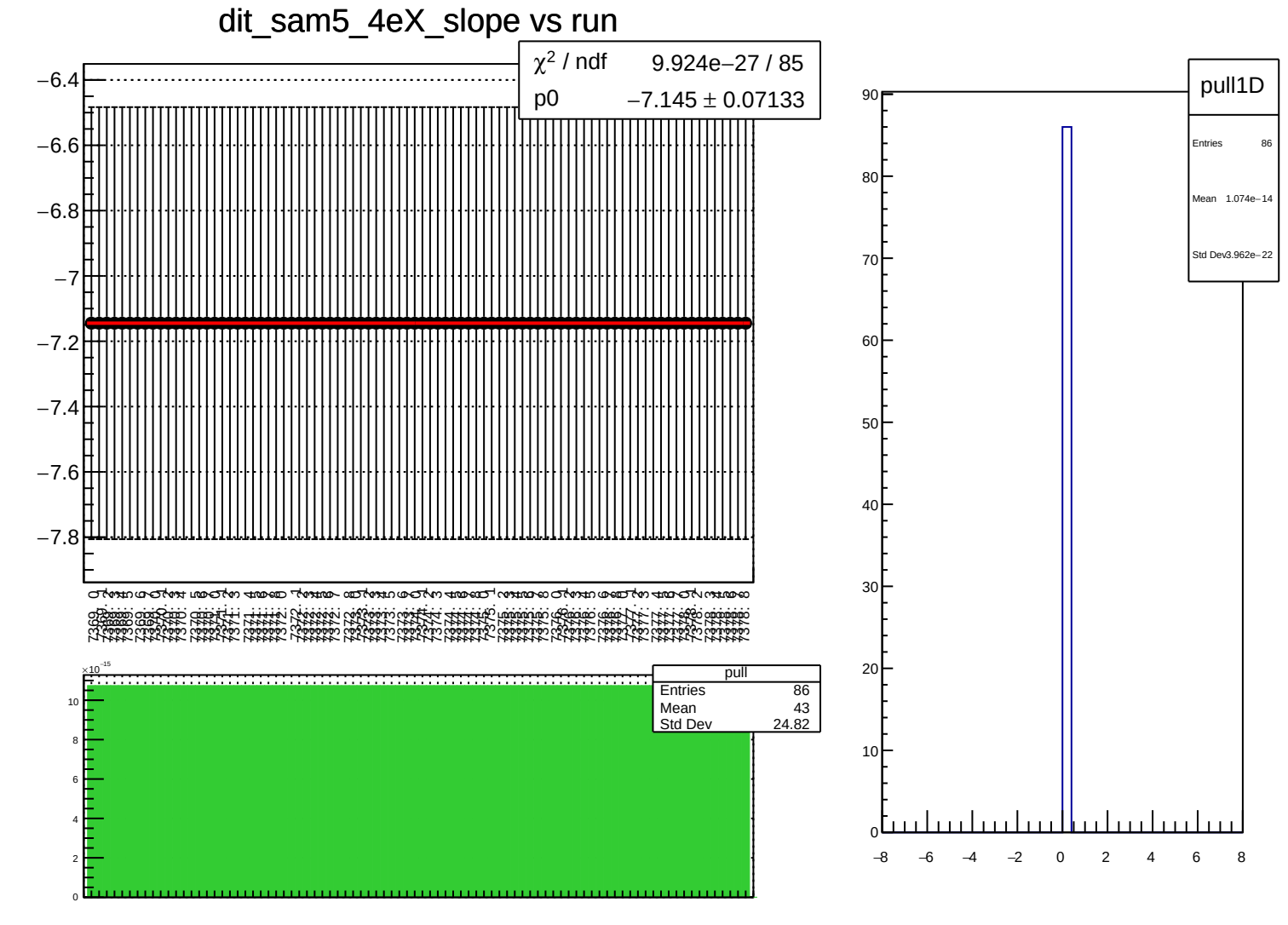

dit_sam4_4aY_slope vs run
χ² / ndf 1.022e−25 / 85
p0 −18.67 ± 0.04446
−18.2
−18.3
−18.4
−18.5
−18.6
−18.7
−18.8
−18.9
−19
−19.1
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull1D
Entries 86
Mean 3.447e−14
Std Dev1.271e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

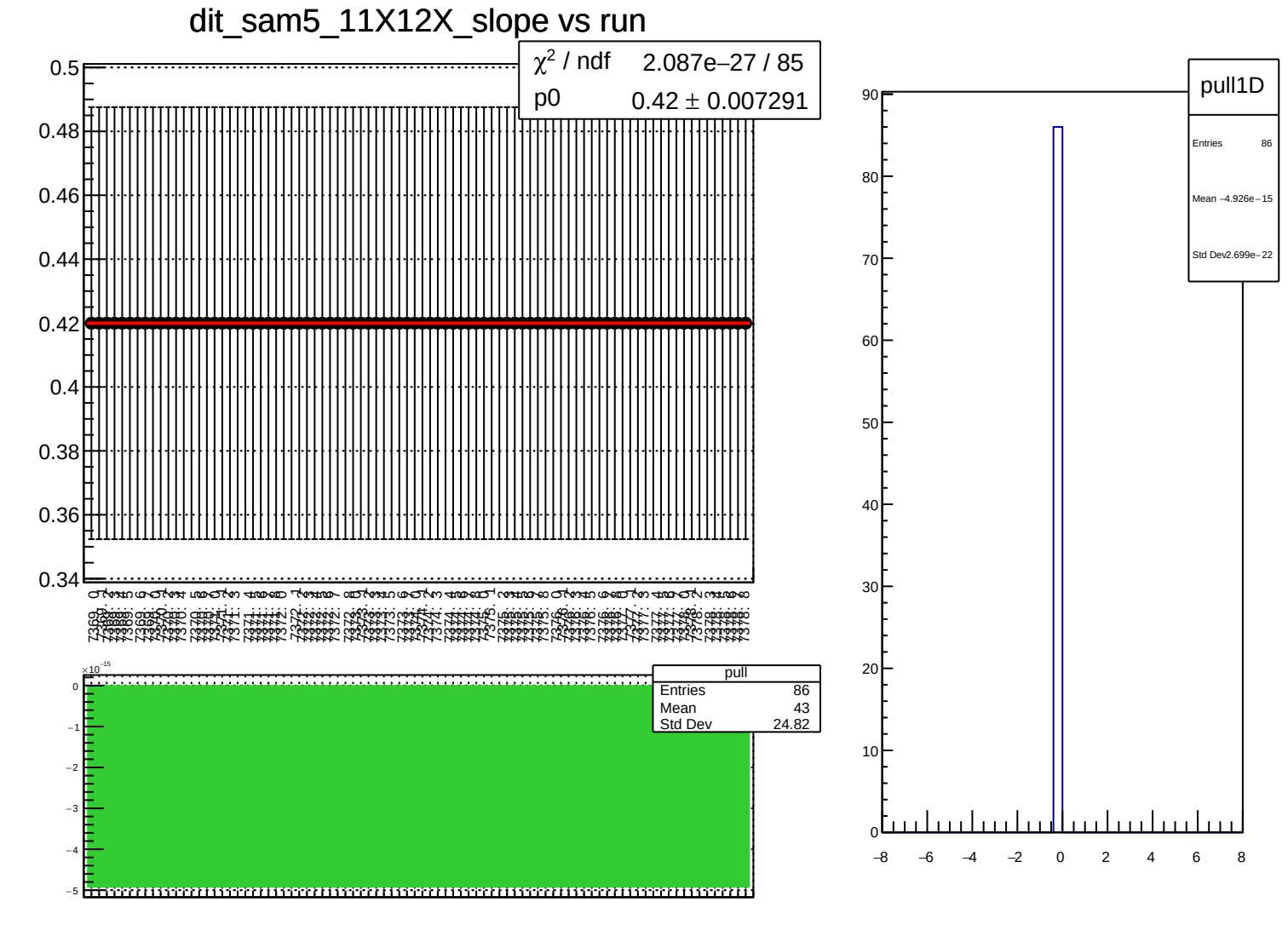

dit_sam4_4eY_slope vs run
χ² / ndf 6.187e−24 / 85
p0 248.2 ± 0.3085
251
250
249
248
247
246
245
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.25
0.2
0.15
0.1
0.05
0

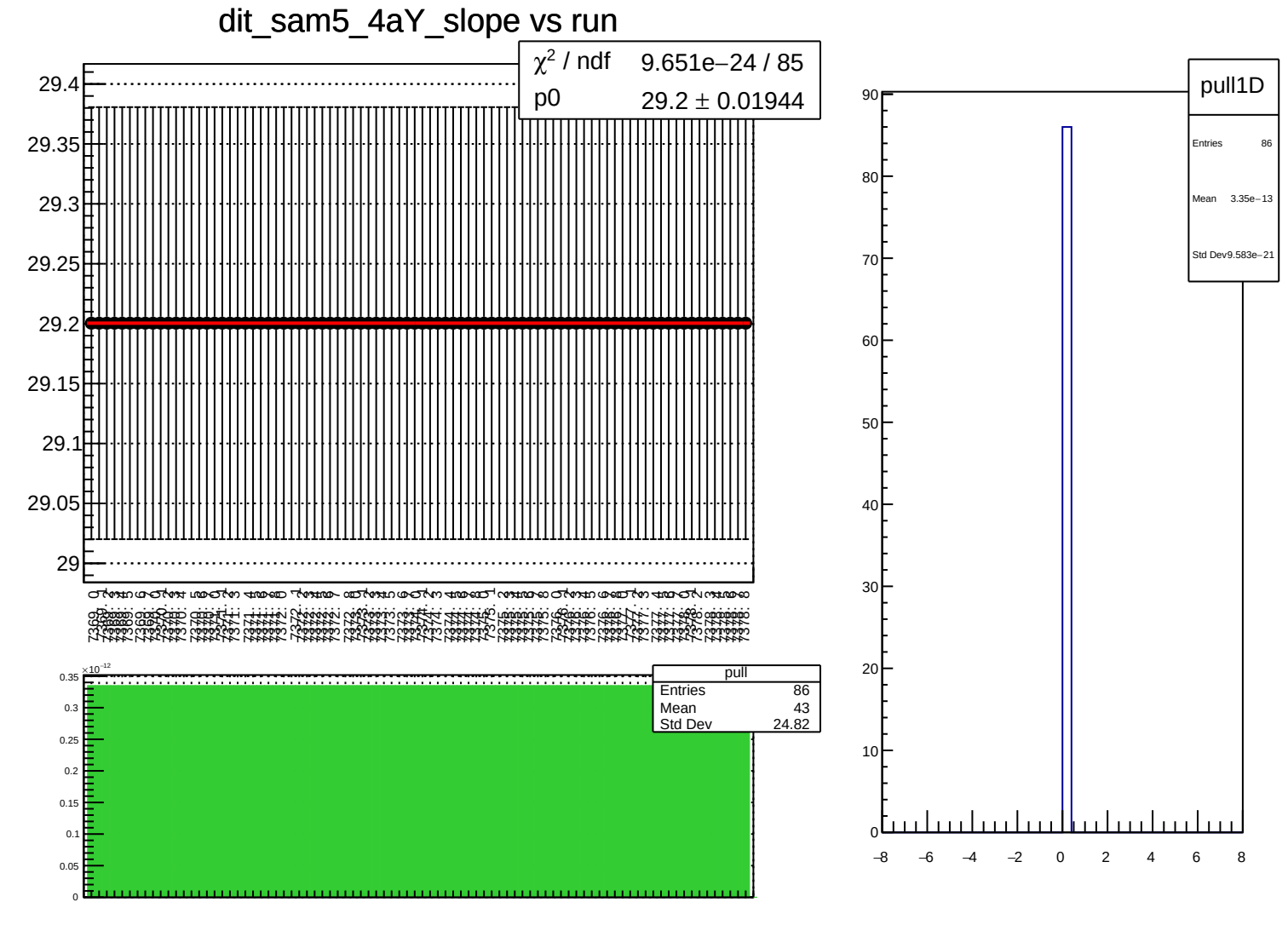

pull1D
Entries 86
Mean 2.682e−13
Std Dev8.964e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

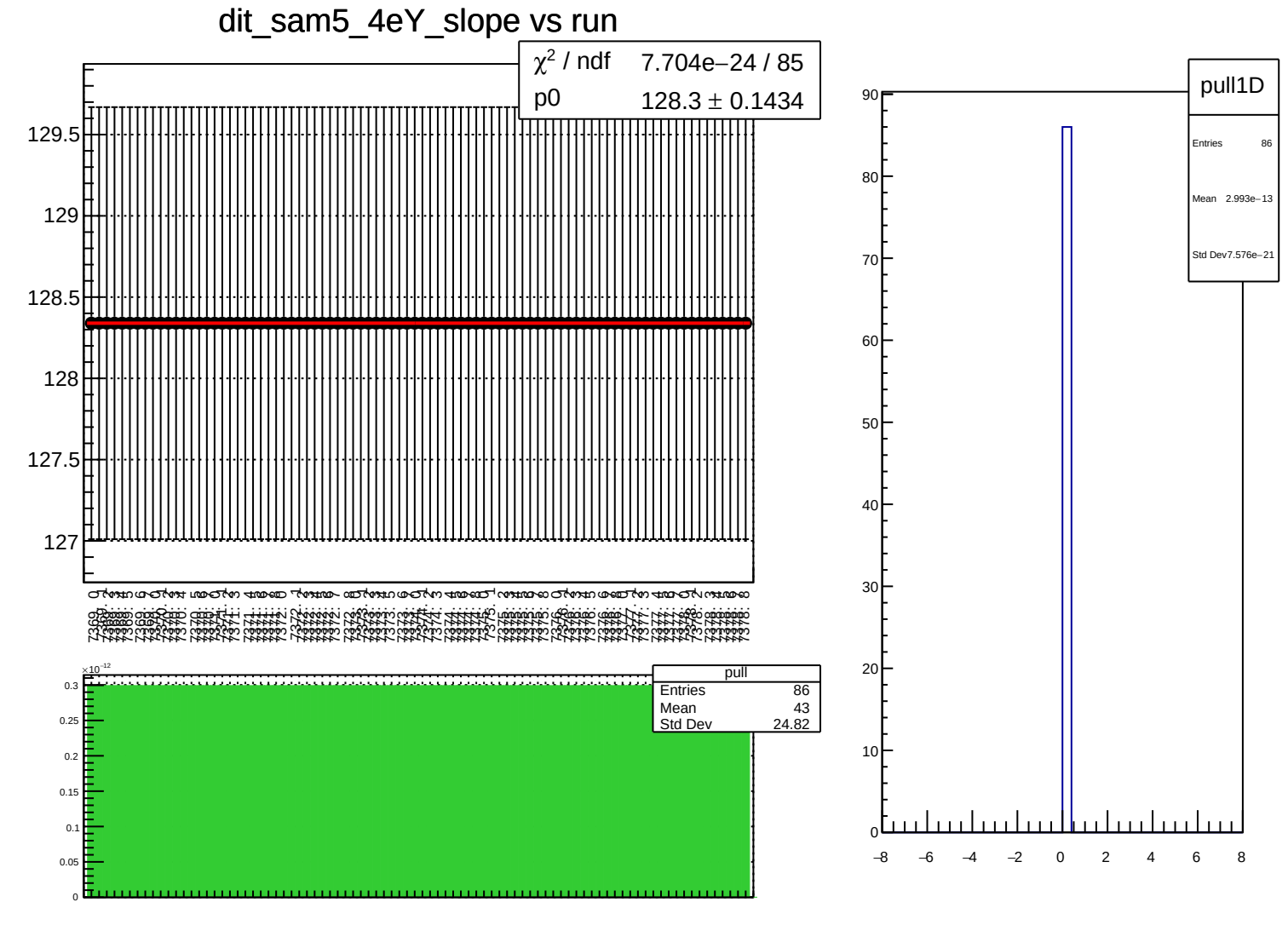

dit_sam5_4aX_slope vs run
χ² / ndf 2.307e−26 / 85
p0 6.061 ± 0.09356
pull
Entries 86
Mean 43
Std Dev 24.82

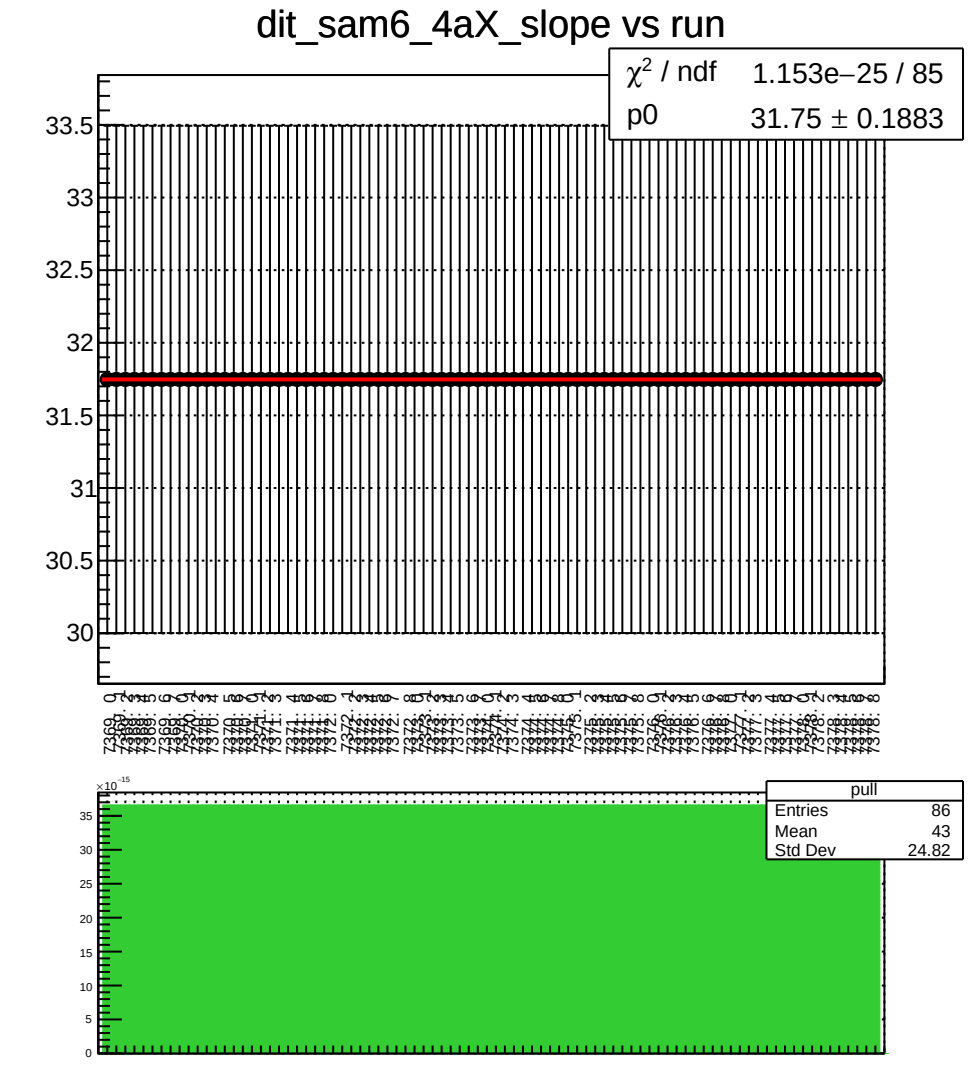

pull1D
Entries 86
Mean 1.638e−14
Std Dev 9.704e−22

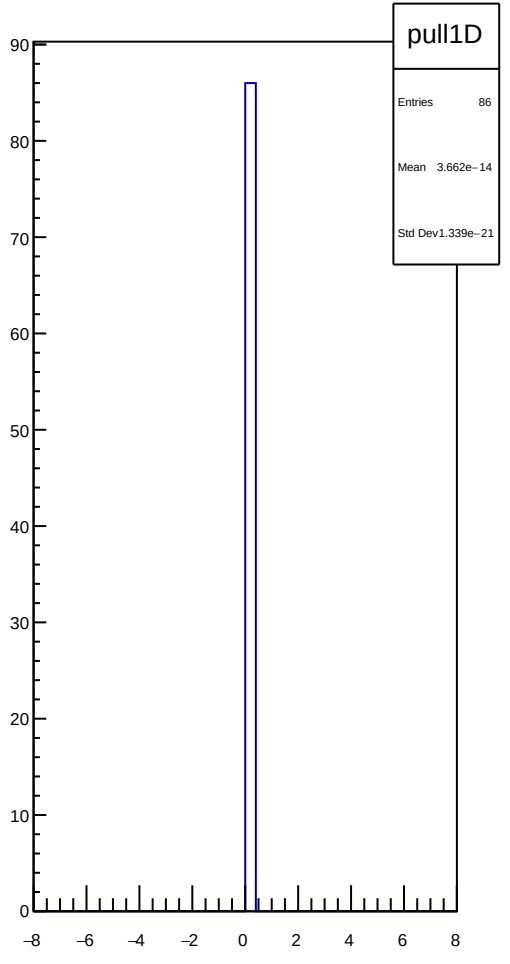

dit_sam5_4eX_slope vs run
χ² / ndf 9.924e−27 / 85
p0 −7.145 ± 0.07133
−6.4
−6.6
−6.8
−7
−7.2
−7.4
−7.6
−7.8
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
pull1D
Entries 86
Mean 1.074e−14
Std Dev 3.962e−22

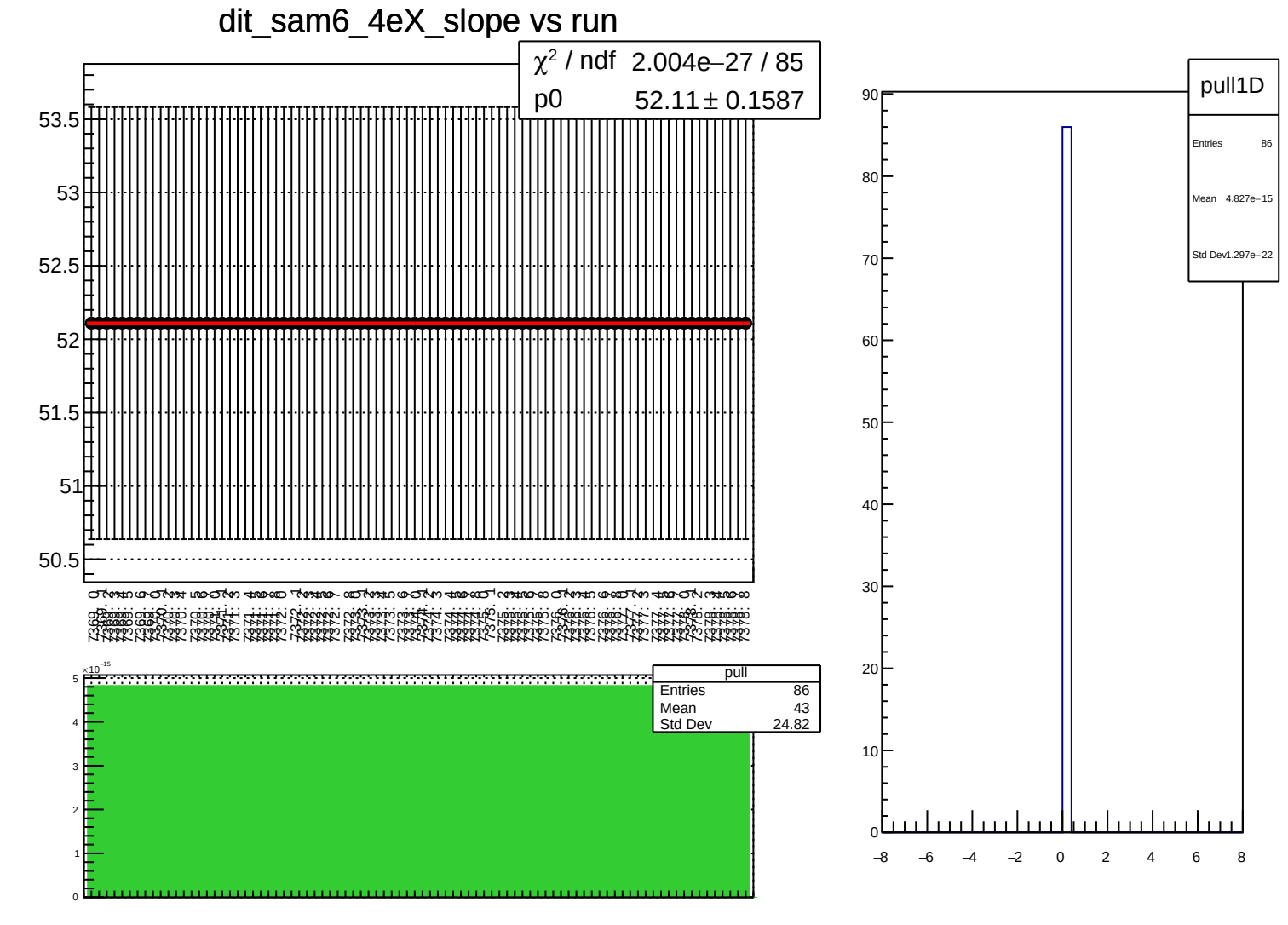

dit_sam5_11X12X_slope vs run
χ² / ndf 2.087e−27 / 85
p0 0.42 ± 0.007291
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean −4.926e−15
Std Dev 2.699e−22

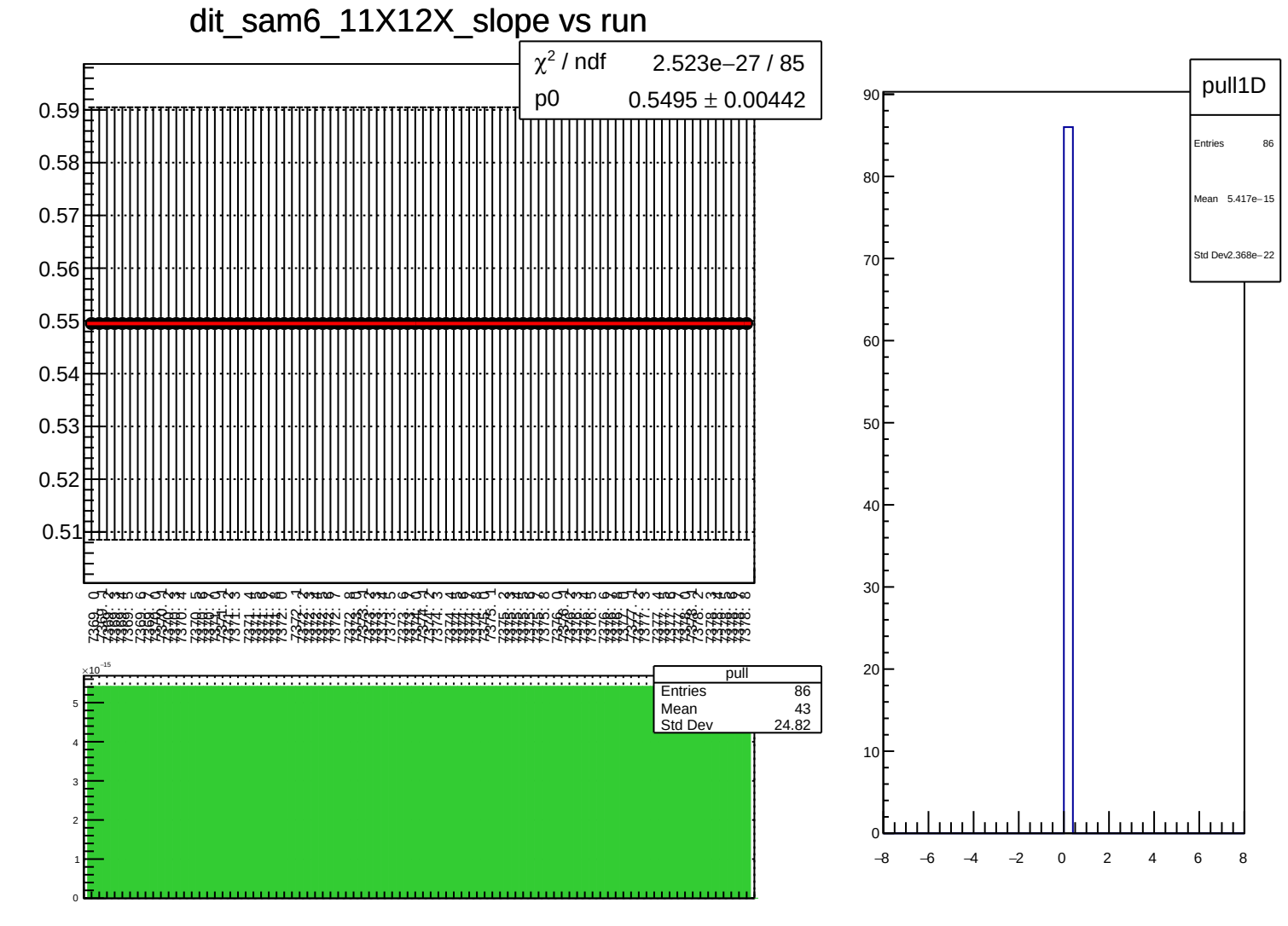

dit_sam5_4aY_slope vs run
χ² / ndf 9.651e−24 / 85
p0 29.2 ± 0.01944
29.4
29.35
29.3
29.25
29.2
29.15
29.1
29.05
29
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 86
Mean 3.35e−13
Std Dev 9.583e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

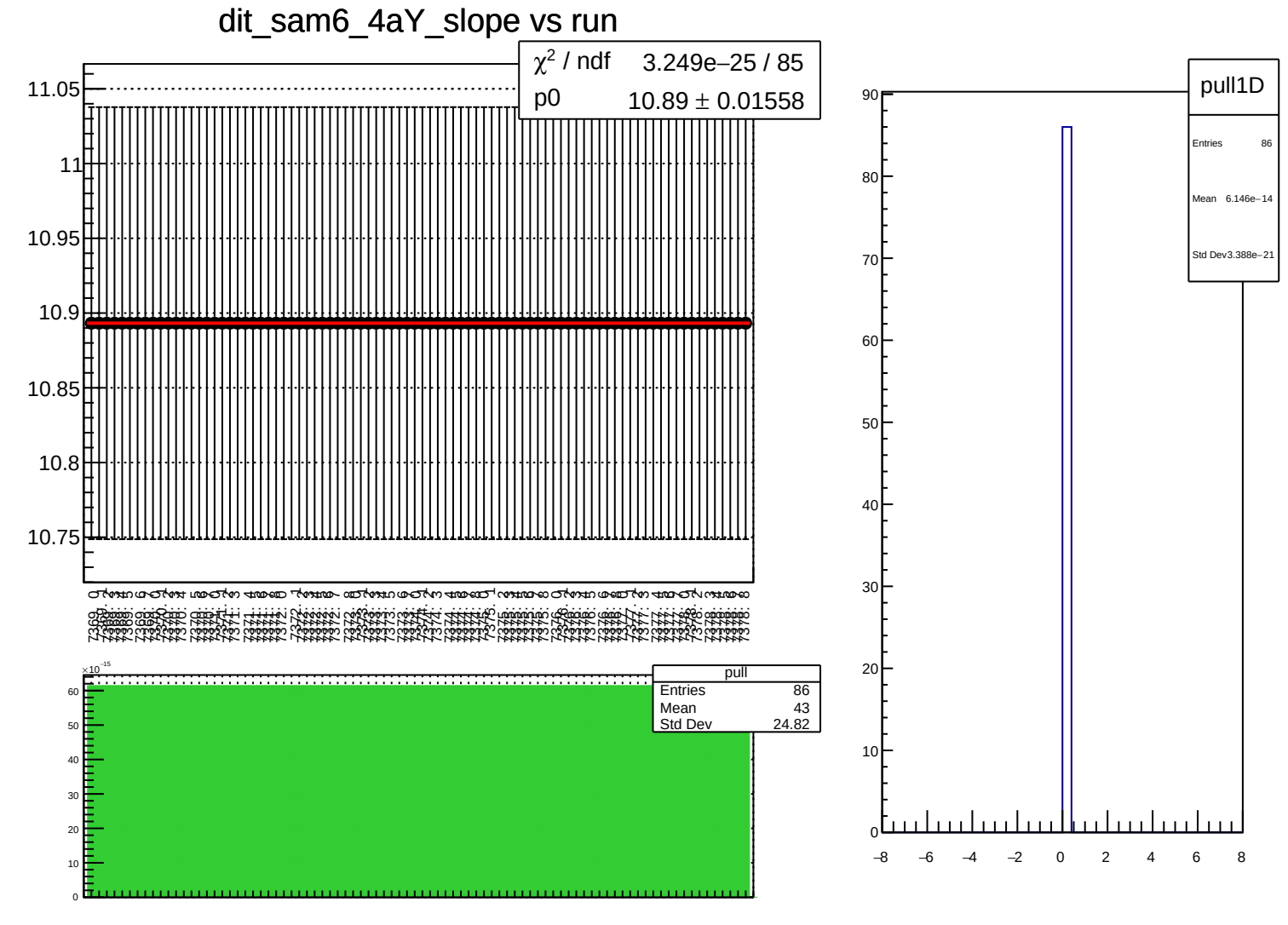

dit_sam5_4eY_slope vs run
χ² / ndf 7.704e−24 / 85
p0 128.3 ± 0.1434
129.5
129
128.5
128
127.5
127
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0
pull1D
Entries 86
Mean 2.993e−13
Std Dev7.576e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

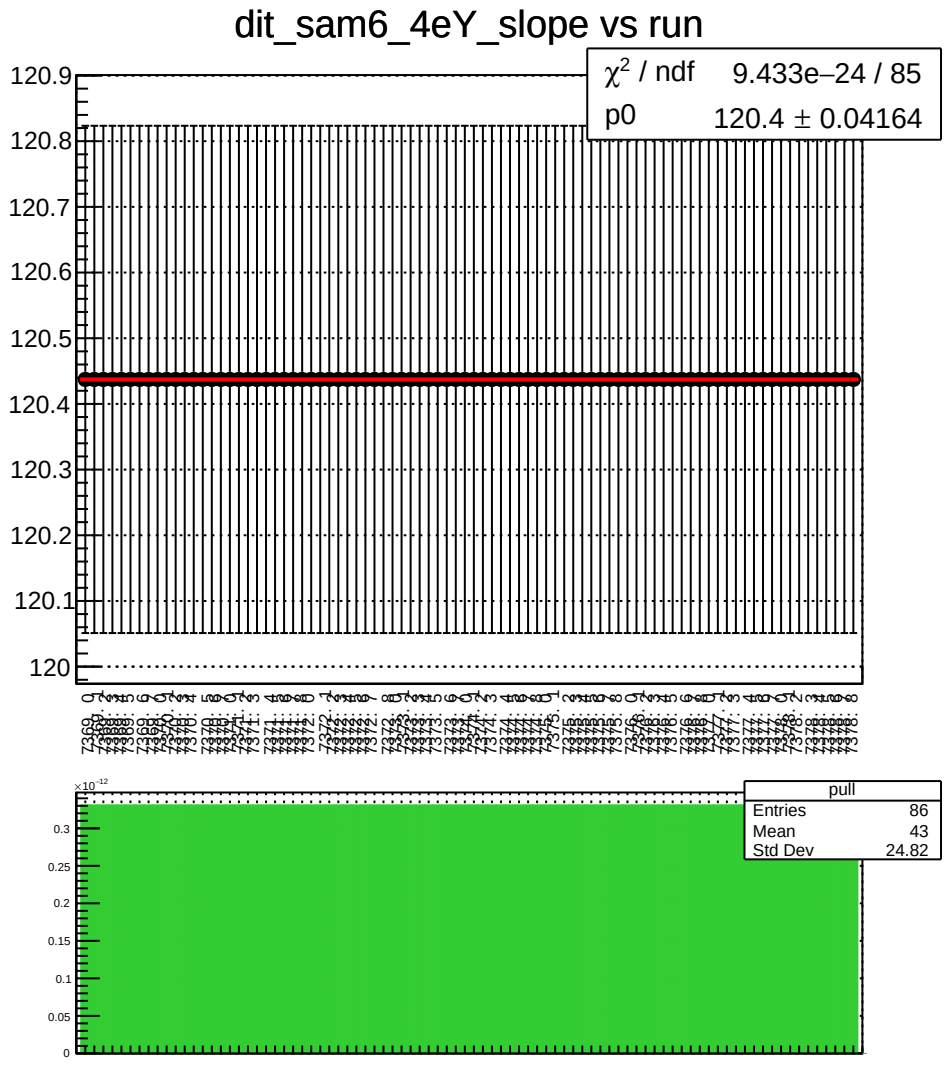

dit_sam6_4aX_slope vs run
χ² / ndf 1.153e−25 / 85
p0 31.75 ± 0.1883
33.5
33
32.5
32
31.5
31
30.5
30
×10⁻¹⁵
35
30
25
20
15
10
5
0
pull
Entries 86
Mean 43
Std Dev 24.82

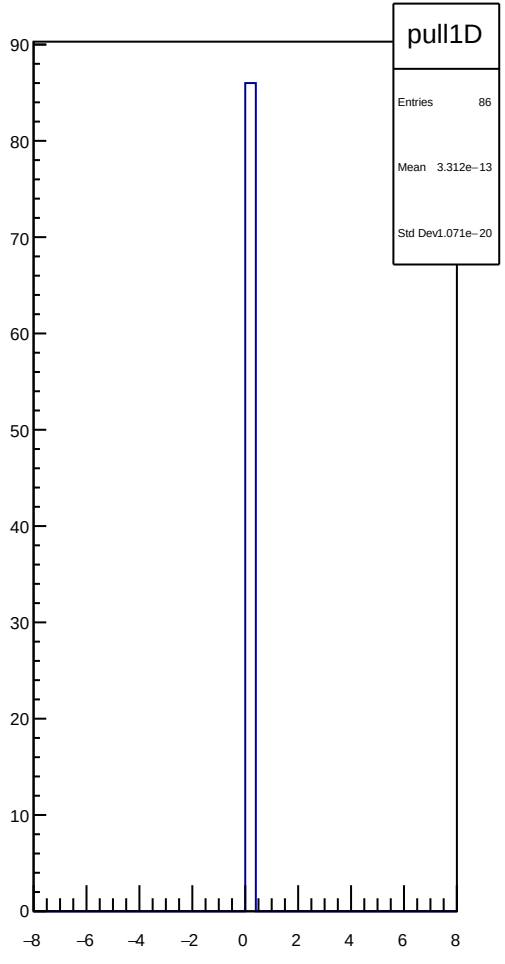

pull1D
Entries 86
Mean 3.662e−14
Std Dev1.339e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

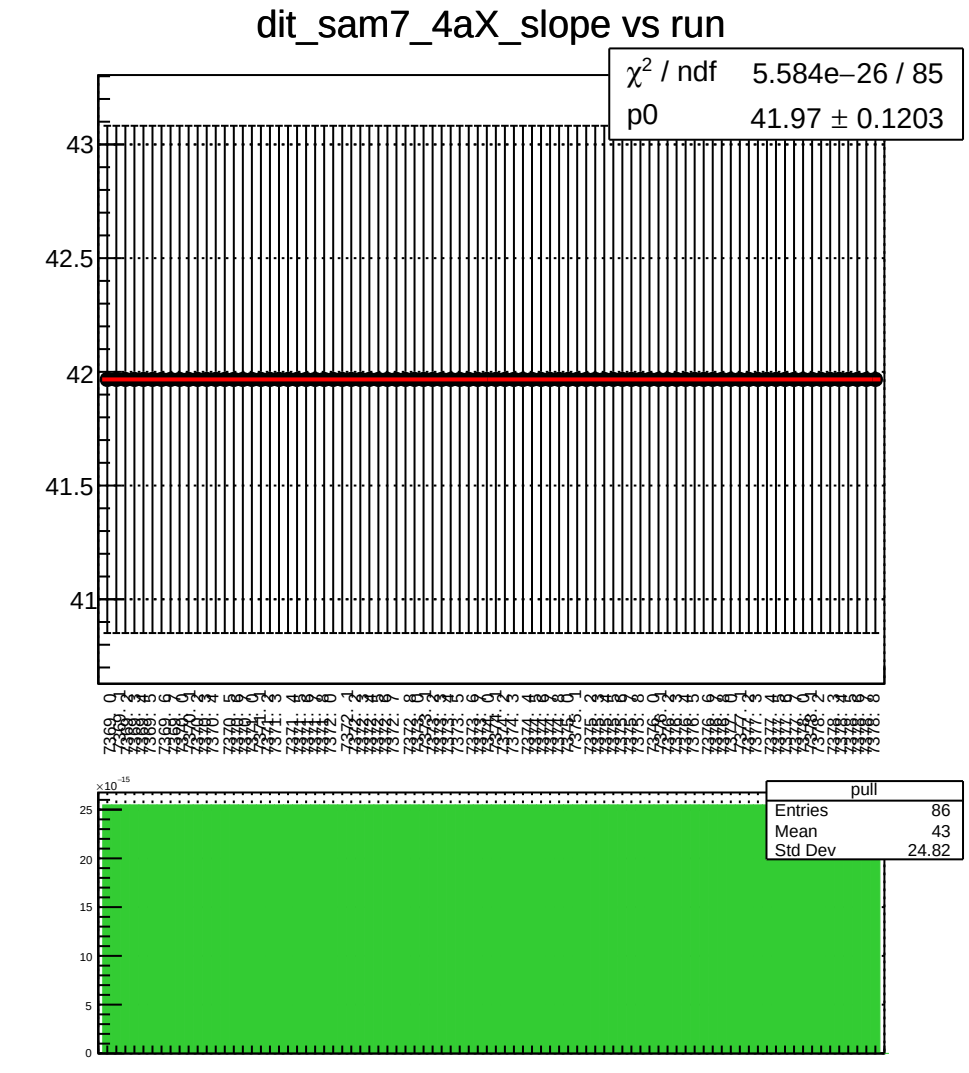

dit_sam6_4eX_slope vs run
χ² / ndf 2.004e−27 / 85
p0 52.11 ± 0.1587
53.5
53
52.5
52
51.5
51
50.5
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 4.827e−15
Std Dev 1.297e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

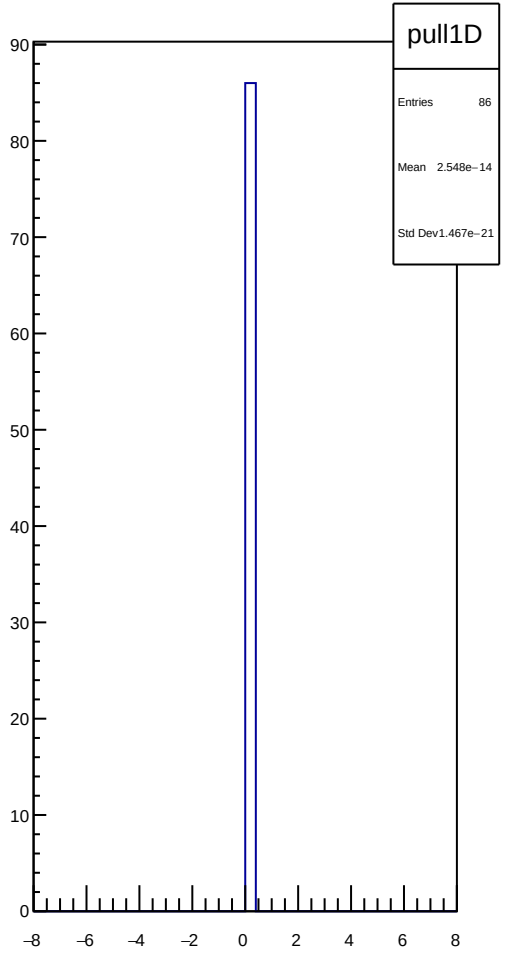

dit_sam6_11X12X_slope vs run
χ² / ndf 2.523e−27 / 85
p0 0.5495 ± 0.00442
0.59
0.58
0.57
0.56
0.55
0.54
0.53
0.52
0.51
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
5
4
3
2
1
0
pull1D
Entries 86
Mean 5.417e−15
Std Dev 2.368e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

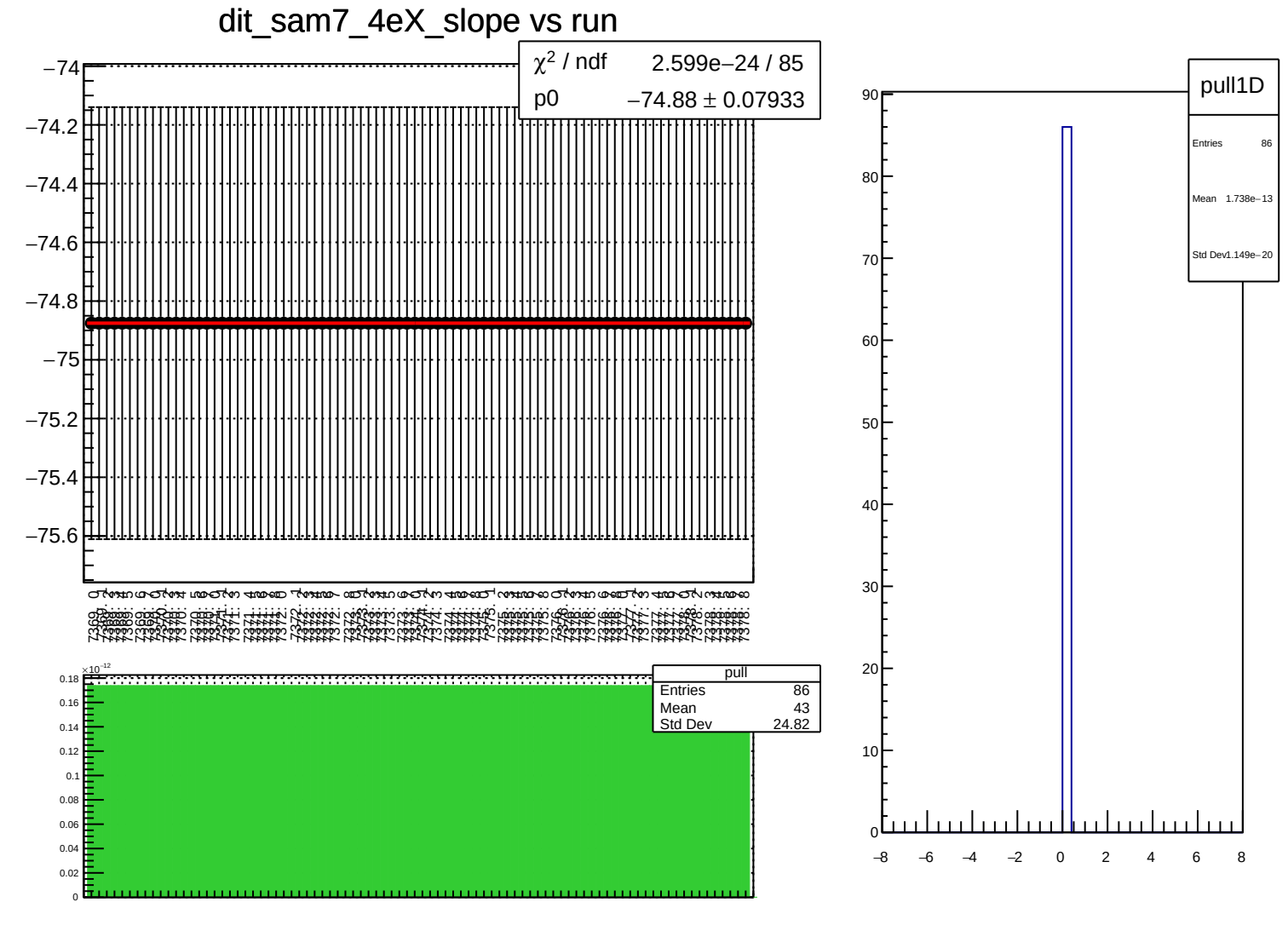

dit_sam6_4aY_slope vs run
$\chi^2$ / ndf 3.249e−25 / 85
p0 10.89 ± 0.01558
11.05
11
10.95
10.9
10.85
10.8
10.75
pull
Entries 86
Mean 43
Std Dev 24.82
pull1D
Entries 86
Mean 6.146e−14
Std Dev3.388e−21

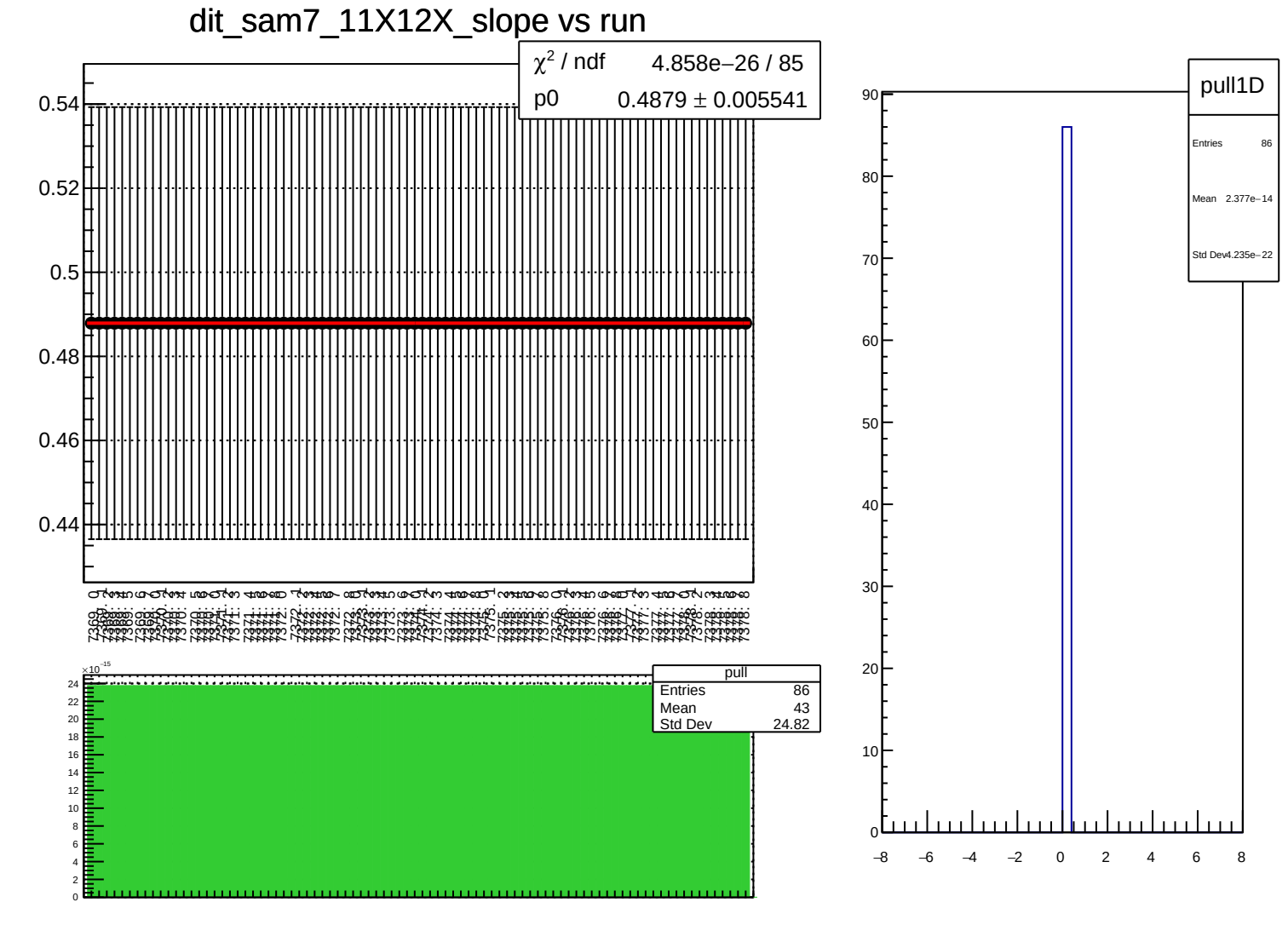

dit_sam6_4eY_slope vs run
$\chi^2$ / ndf 9.433e−24 / 85
p0 120.4 ± 0.04164
120.9
120.8
120.7
120.6
120.5
120.4
120.3
120.2
120.1
120
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.3
0.25
0.2
0.15
0.1
0.05
0

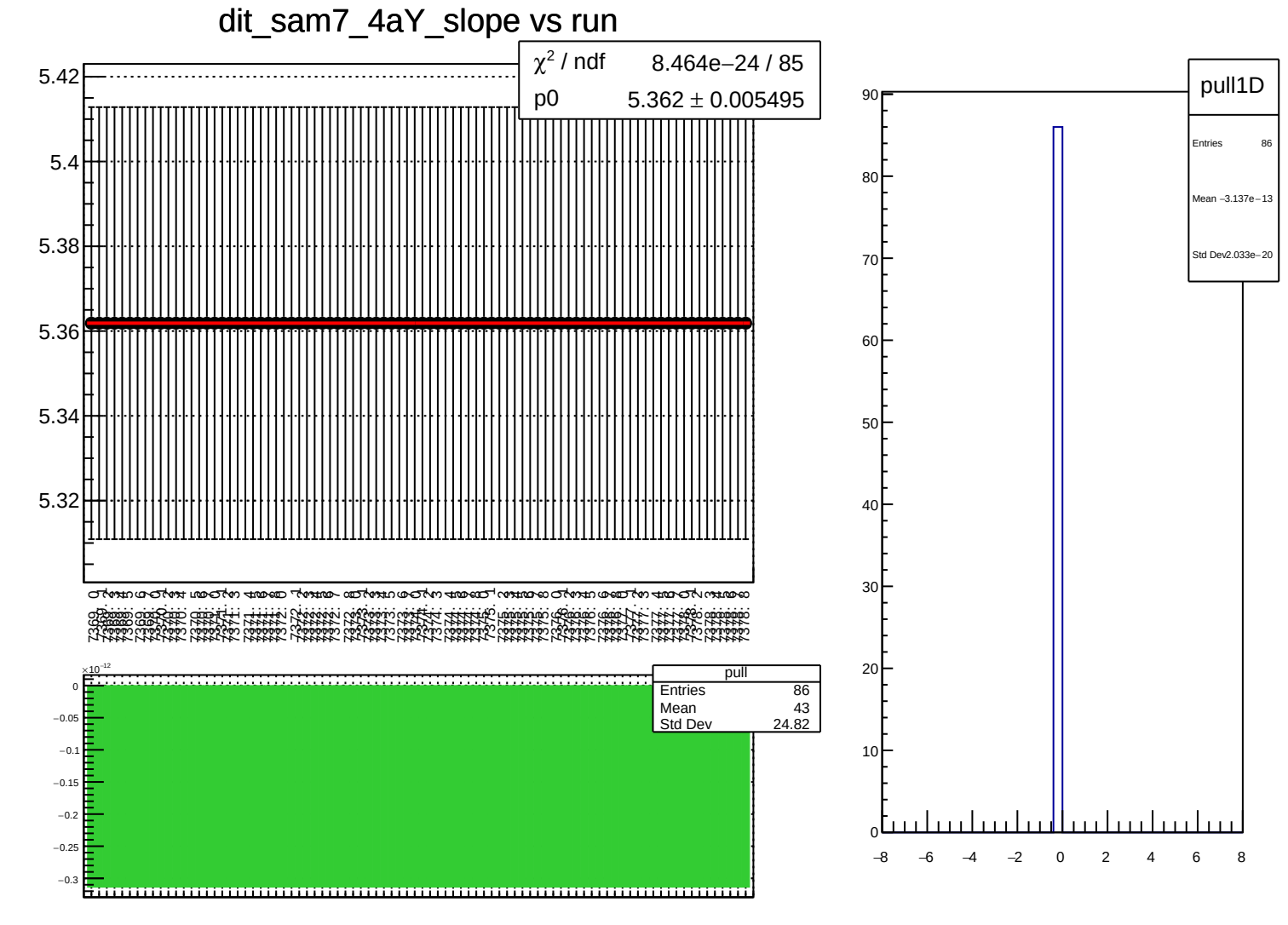

pull1D
Entries 86
Mean 3.312e−13
Std Dev1.071e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

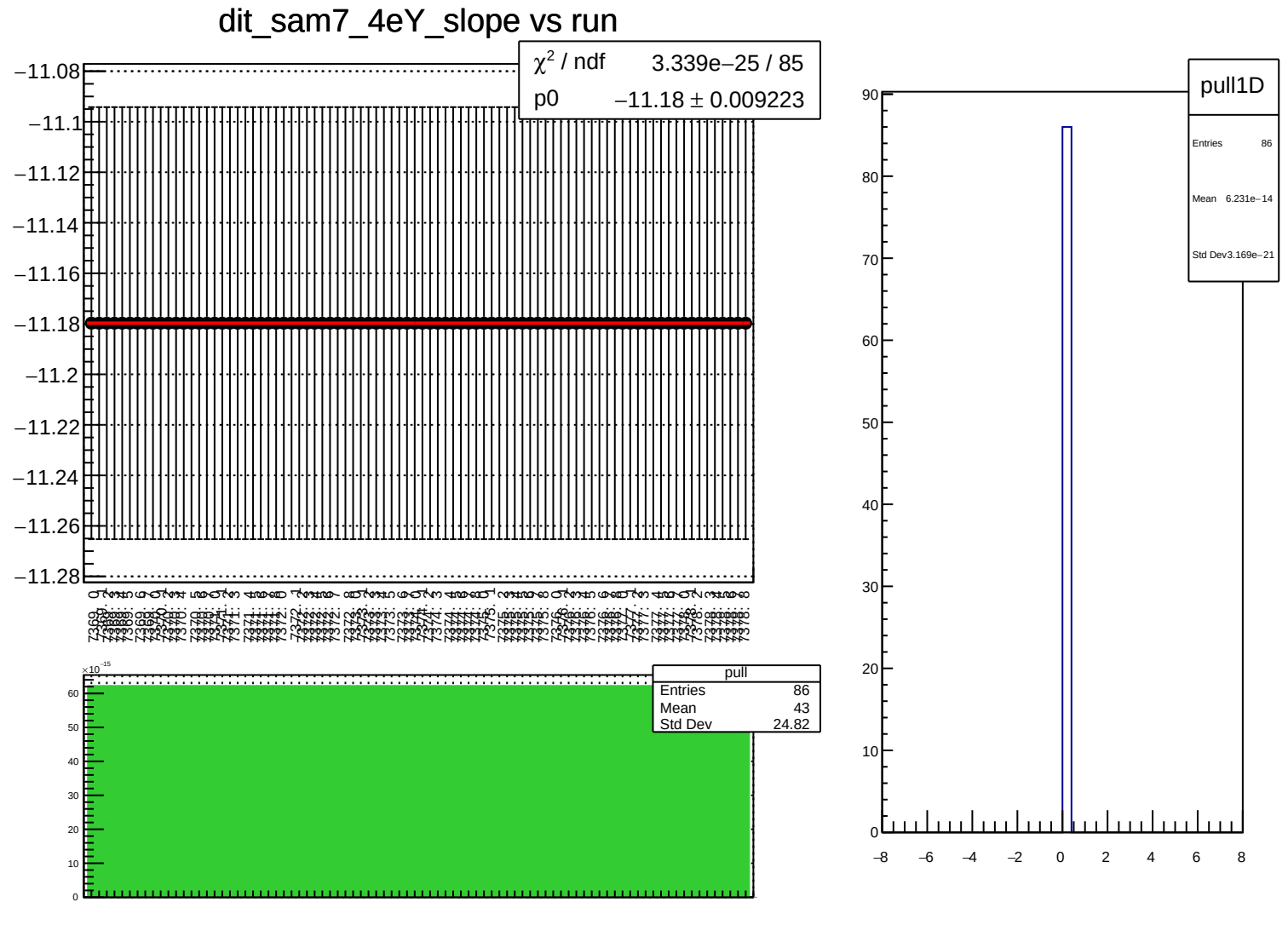

dit_sam7_4aX_slope vs run
χ² / ndf 5.584e−26 / 85
p0 41.97 ± 0.1203
43
42.5
42
41.5
41
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
25
20
15
10
5
0

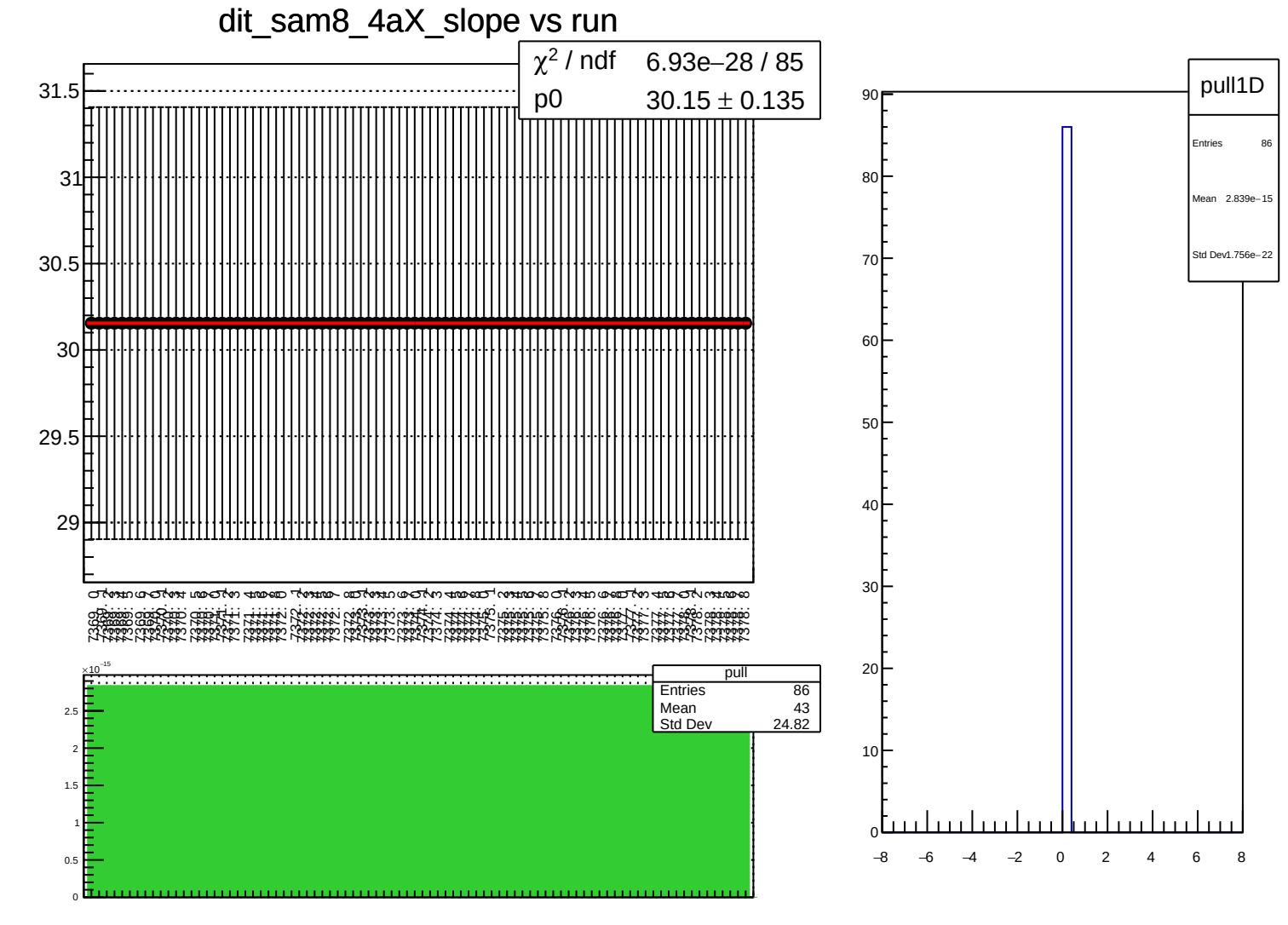

pull1D
Entries 86
Mean 2.548e−14
Std Dev1.467e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

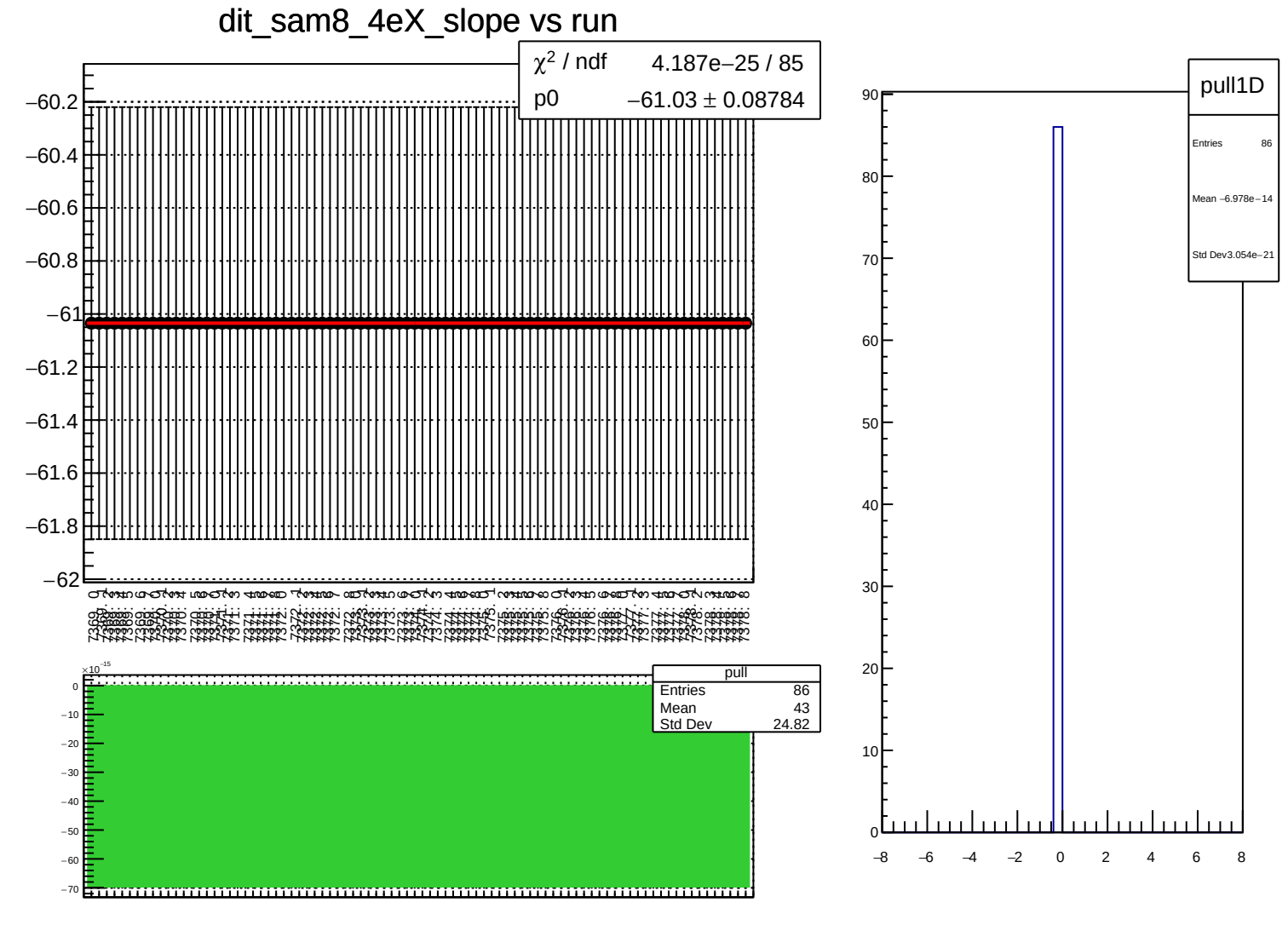

dit_sam7_4eX_slope vs run
χ² / ndf 2.599e−24 / 85
p0 −74.88 ± 0.07933
−74
−74.2
−74.4
−74.6
−74.8
−75
−75.2
−75.4
−75.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 86
Mean 1.738e−13
Std Dev1.149e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

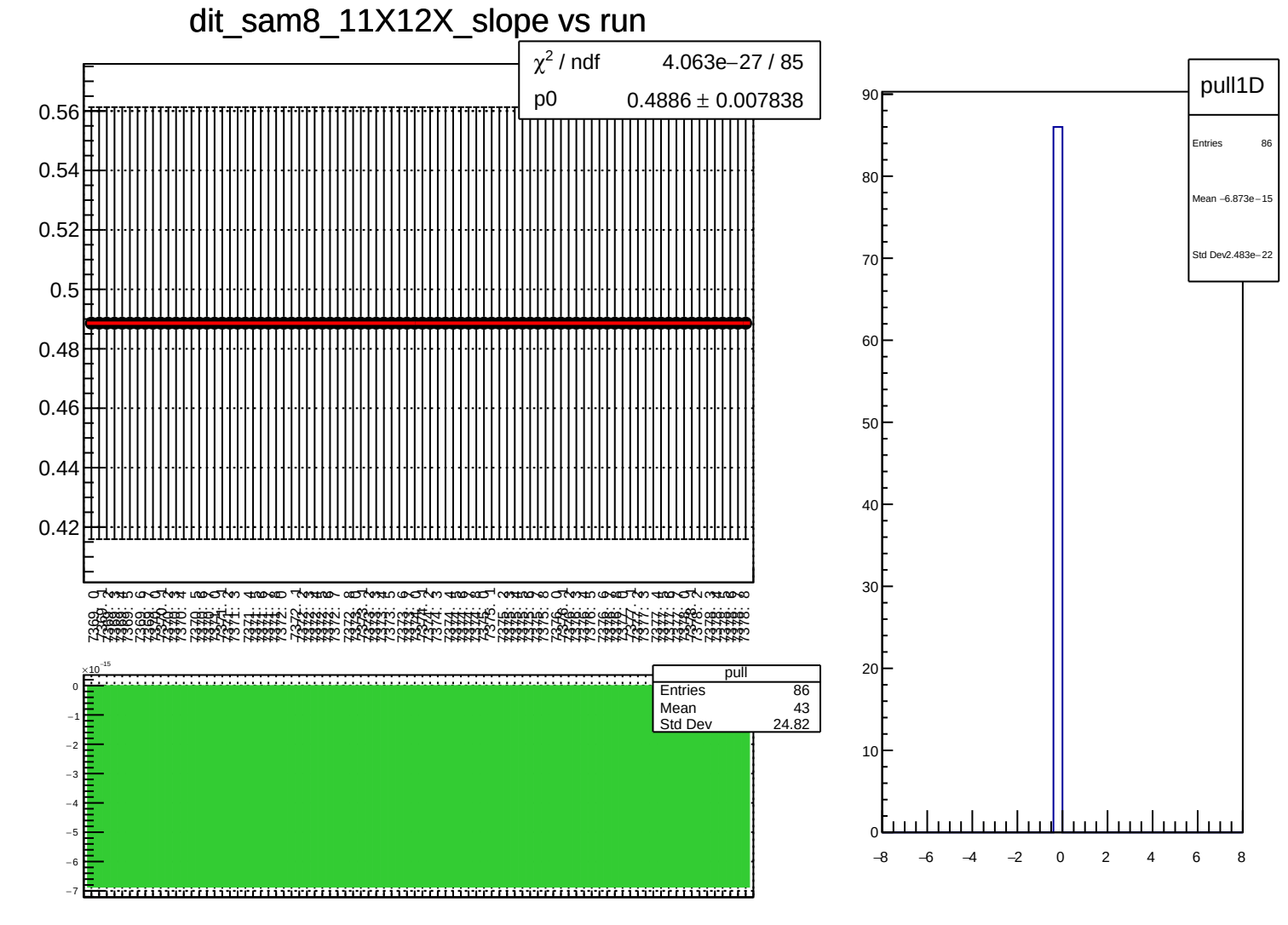

dit_sam7_11X12X_slope vs run
χ² / ndf 4.858e−26 / 85
p0 0.4879 ± 0.005541
0.54
0.52
0.5
0.48
0.46
0.44
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
pull1D
Entries 86
Mean 2.377e−14
Std Dev 4.235e−22

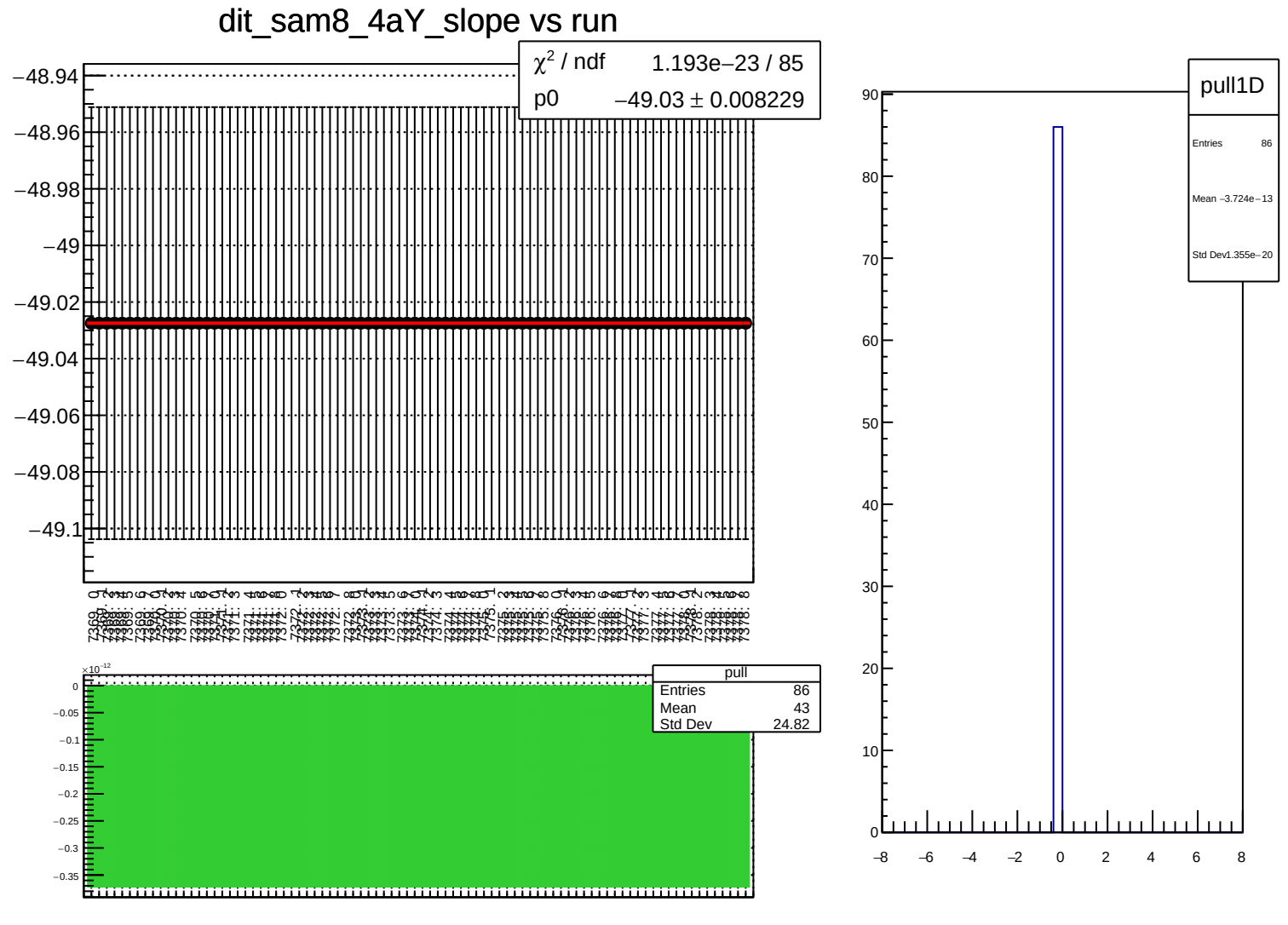

dit_sam7_4aY_slope vs run
χ² / ndf 8.464e−24 / 85
p0 5.362 ± 0.005495
5.42
5.4
5.38
5.36
5.34
5.32
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 86
Mean −3.137e−13
Std Dev2.033e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

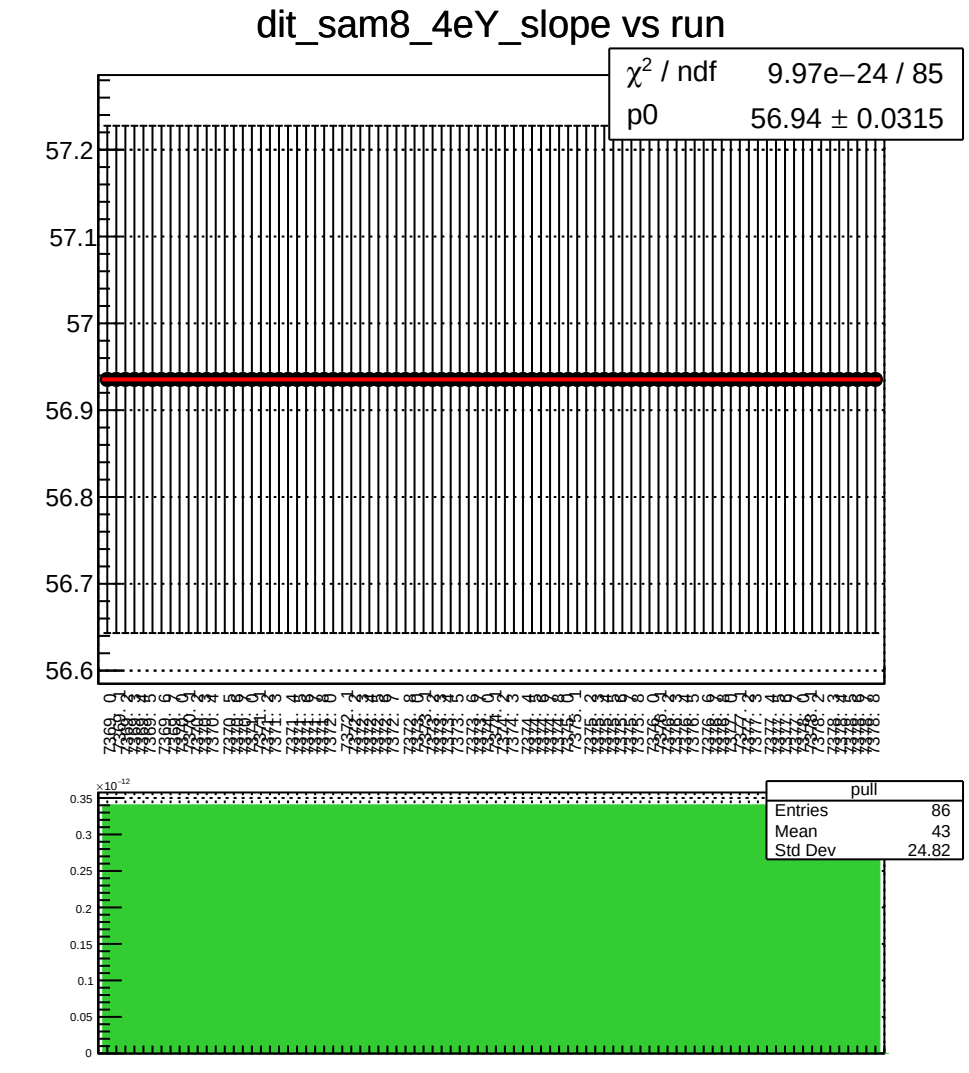

dit_sam7_4eY_slope vs run
χ² / ndf 3.339e−25 / 85
p0 −11.18 ± 0.009223
−11.08
−11.1
−11.12
−11.14
−11.16
−11.18
−11.2
−11.22
−11.24
−11.26
−11.28
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
60
50
40
30
20
10
0
pull1D
Entries 86
Mean 6.231e−14
Std Dev3.169e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

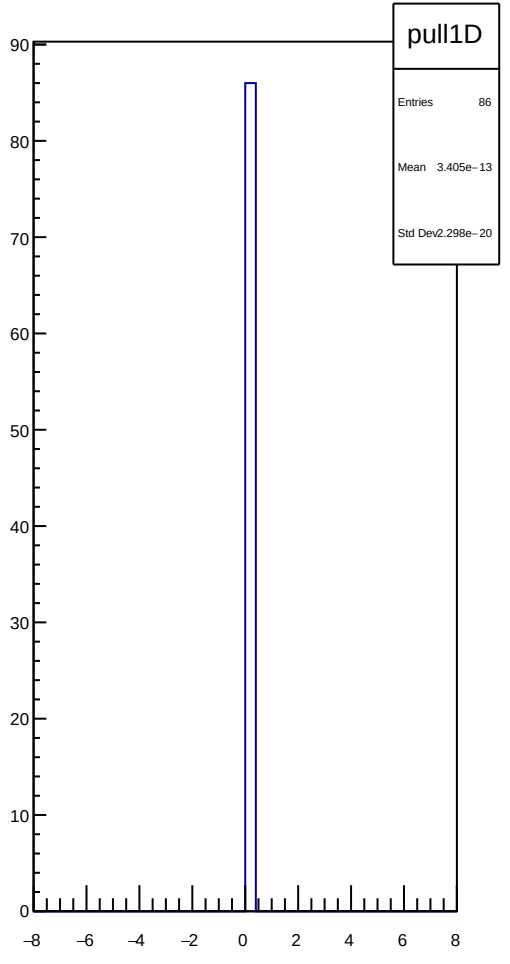

dit_sam8_4aX_slope vs run
$\chi^2$ / ndf 6.93e−28 / 85
p0 30.15 ± 0.135
31.5
31
30.5
30
29.5
29
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
2.5
2
1.5
1
0.5
0
pull1D
Entries 86
Mean 2.839e−15
Std Dev1.756e−22
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

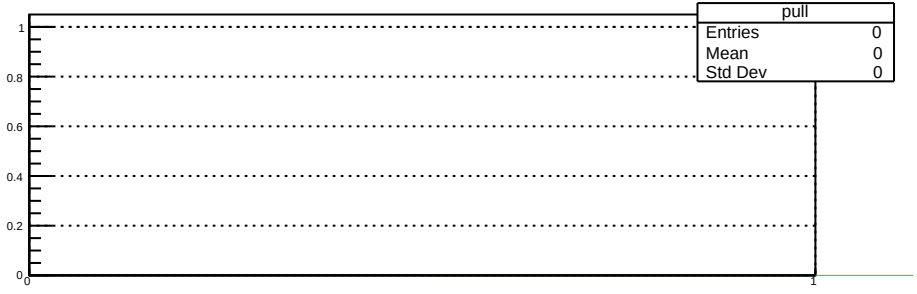

dit_sam8_4eX_slope vs run
χ² / ndf 4.187e−25 / 85
p0 −61.03 ± 0.08784
−60.2
−60.4
−60.6
−60.8
−61
−61.2
−61.4
−61.6
−61.8
−62
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
0
−10
−20
−30
−40
−50
−60
−70
pull1D
Entries 86
Mean −6.978e−14
Std Dev3.054e−21
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

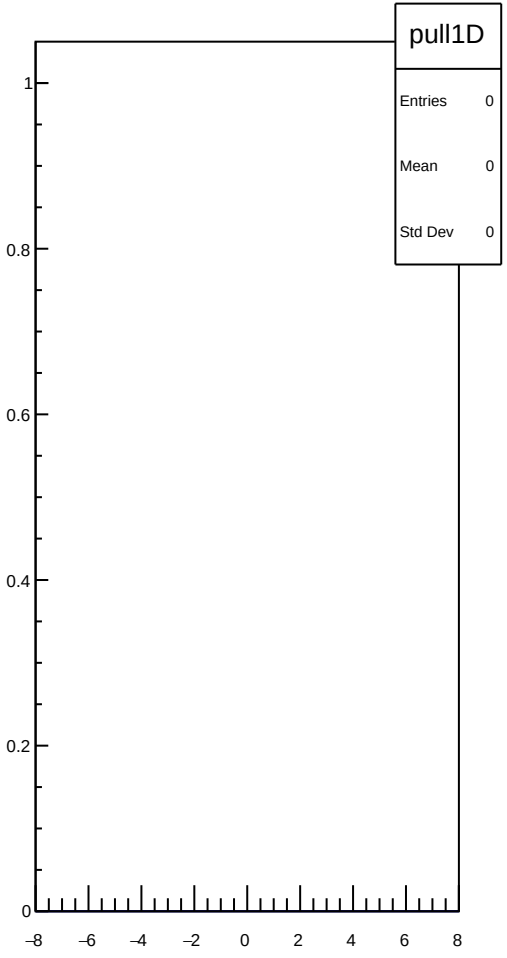

dit_sam8_11X12X_slope vs run
χ² / ndf 4.063e−27 / 85
p0 0.4886 ± 0.007838
0.56
0.54
0.52
0.5
0.48
0.46
0.44
0.42
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹⁵
pull1D
Entries 86
Mean −6.873e−15
Std Dev2.483e−22

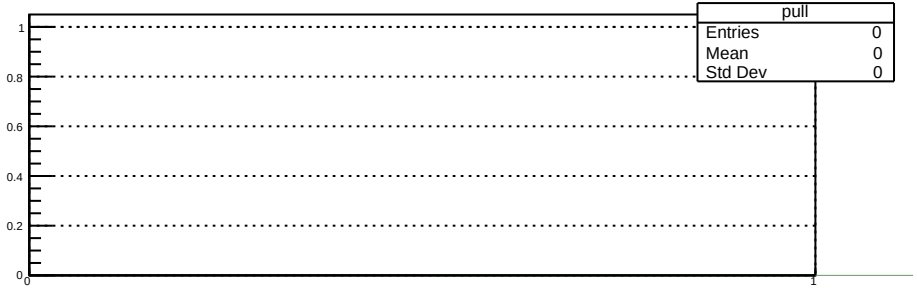

dit_sam8_4aY_slope vs run
$\chi^2$ / ndf 1.193e−23 / 85
p0 −49.03 ± 0.008229
−48.94
−48.96
−48.98
−49
−49.02
−49.04
−49.06
−49.08
−49.1
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
pull1D
Entries 86
Mean −3.724e−13
Std Dev1.355e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

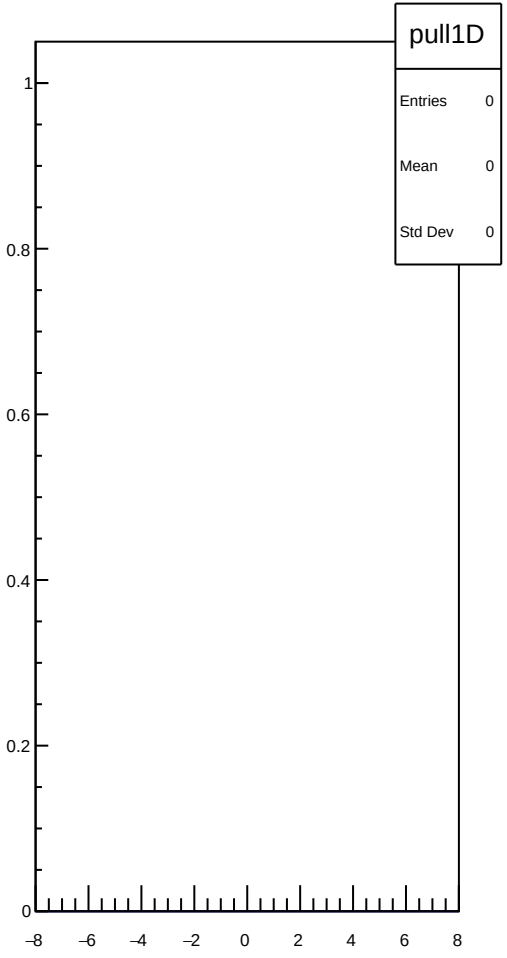

dit_sam8_4eY_slope vs run
χ² / ndf 9.97e−24 / 85
p0 56.94 ± 0.0315
57.2
57.1
57
56.9
56.8
56.7
56.6
pull
Entries 86
Mean 43
Std Dev 24.82
×10⁻¹²
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0

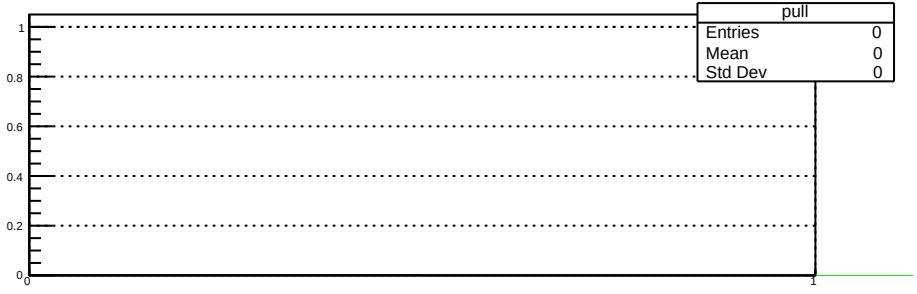

pull1D
Entries 86
Mean 3.405e−13
Std Dev 2.298e−20
90
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

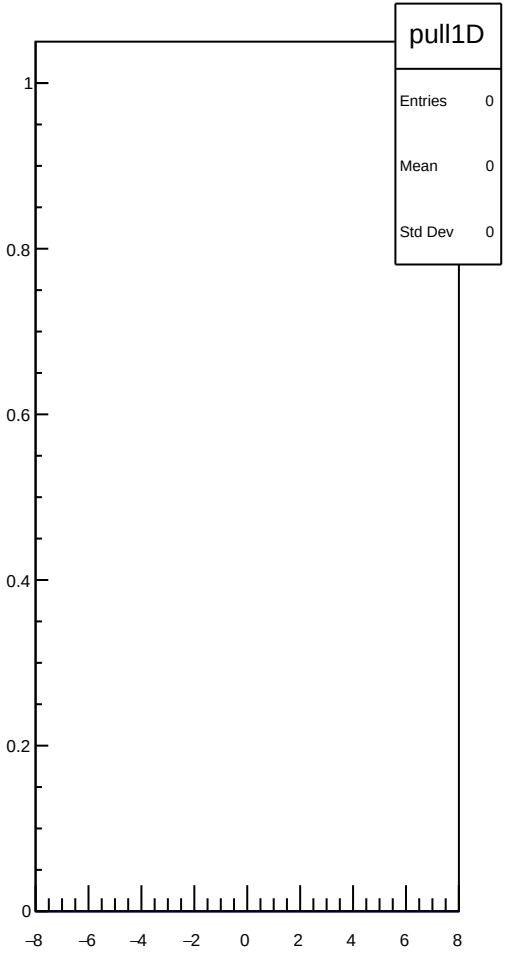

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

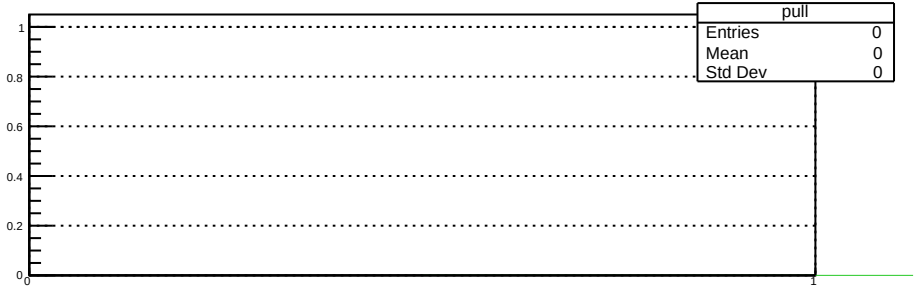

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

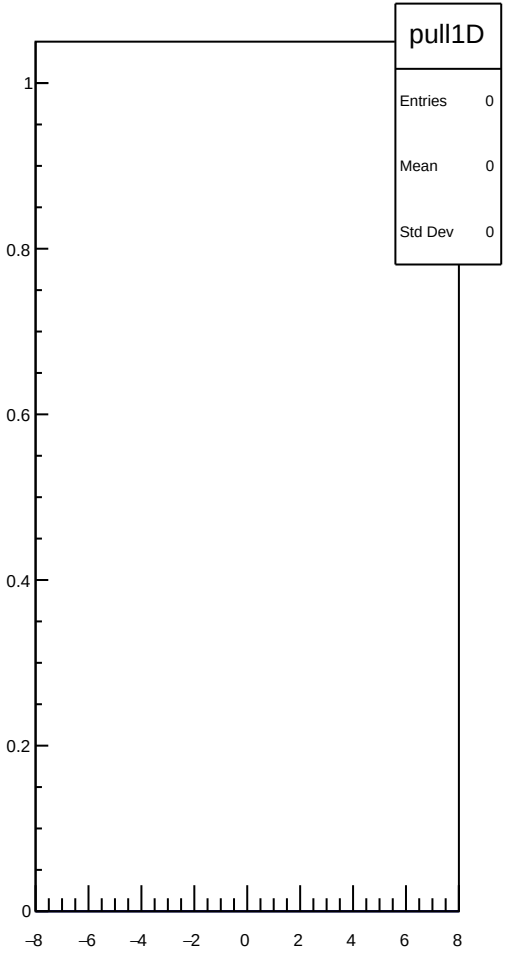

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

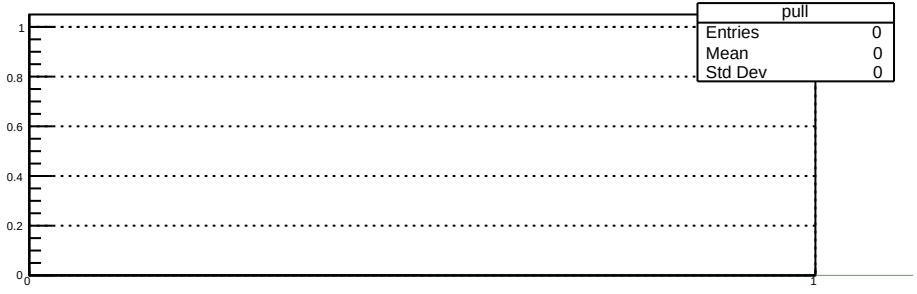

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

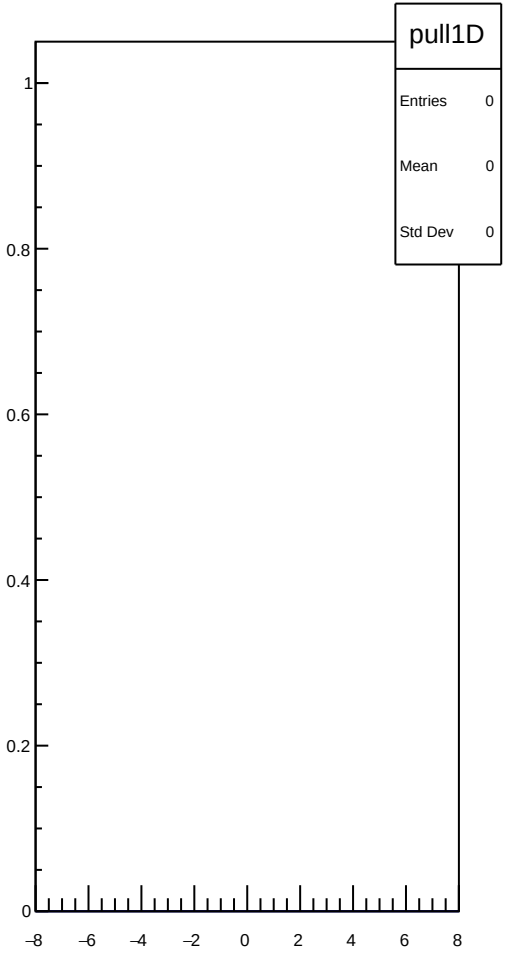

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

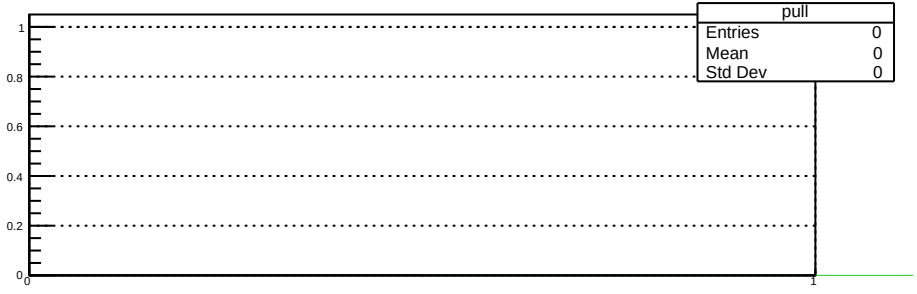

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

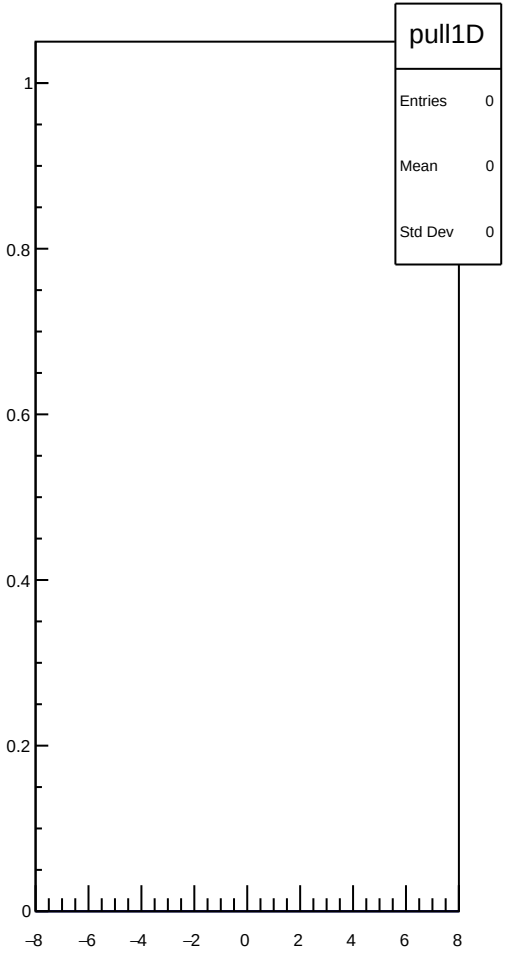

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

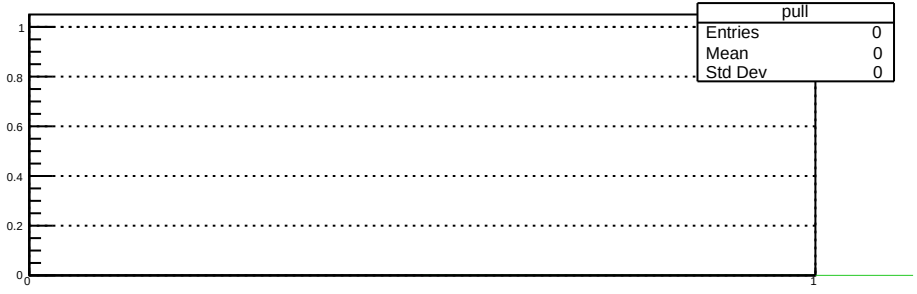

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

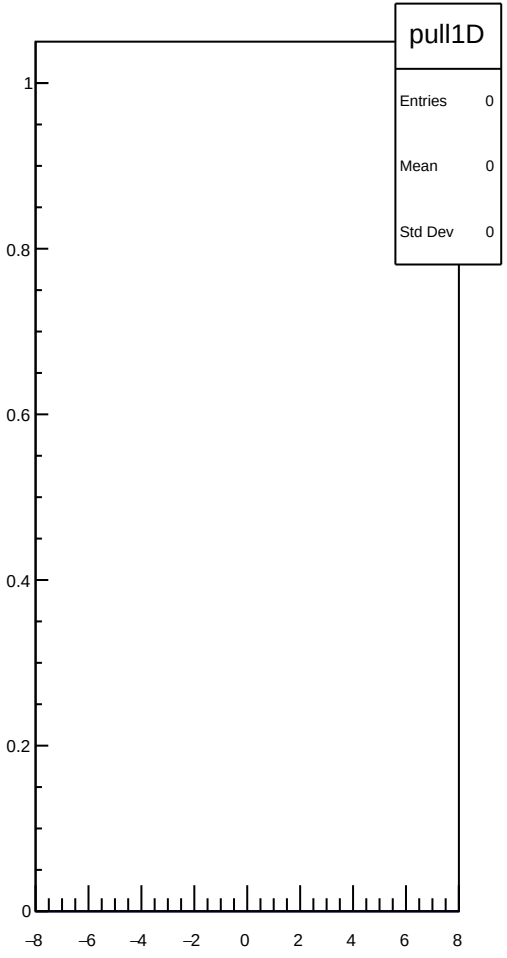

pull
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

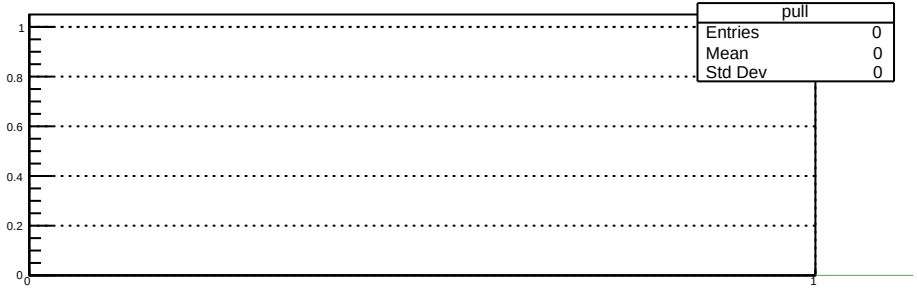

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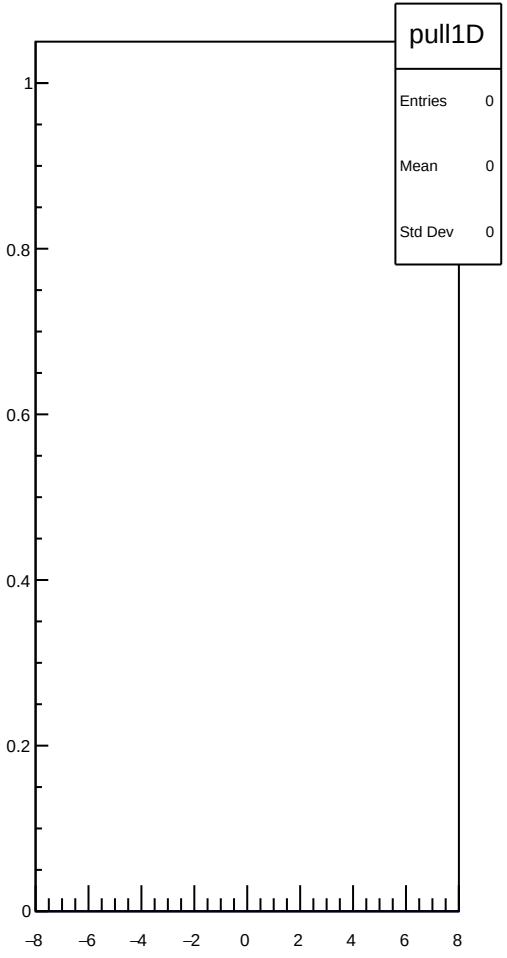

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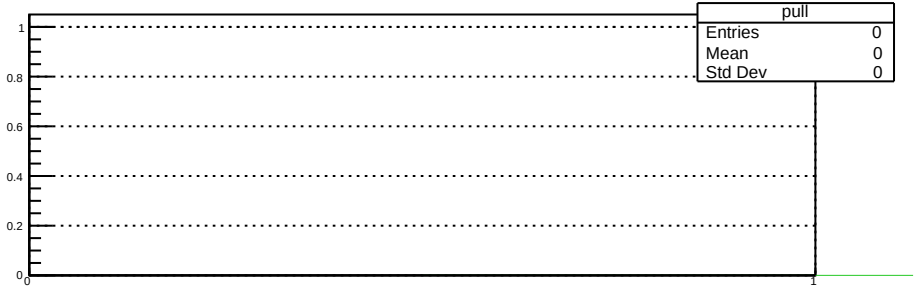

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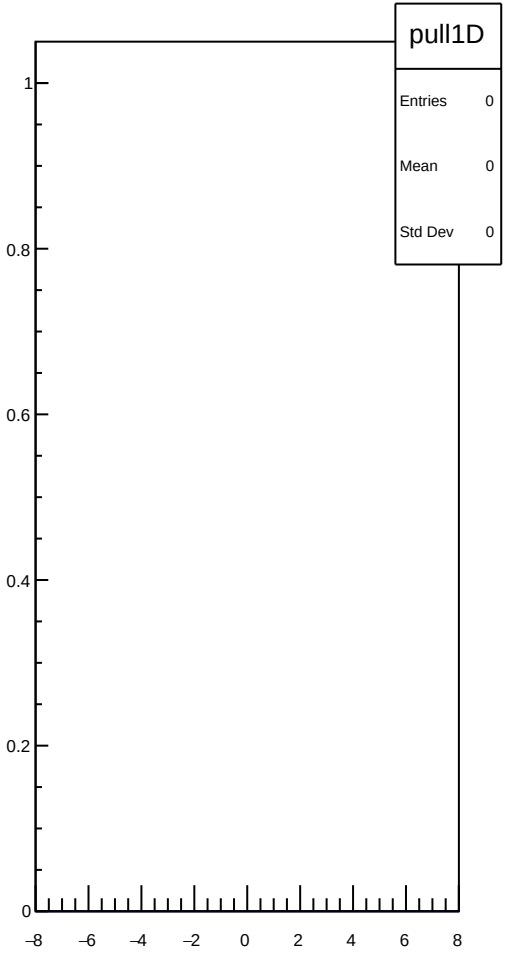

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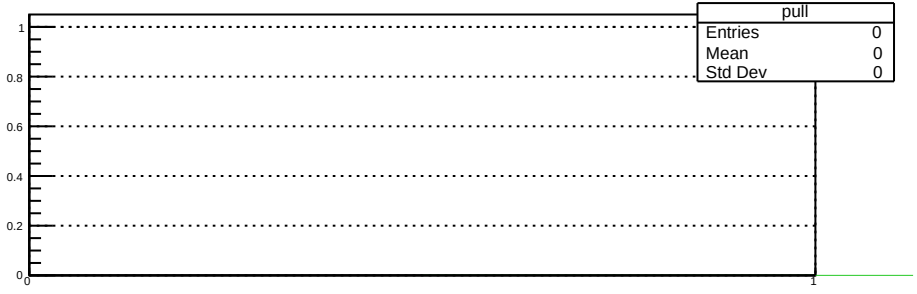

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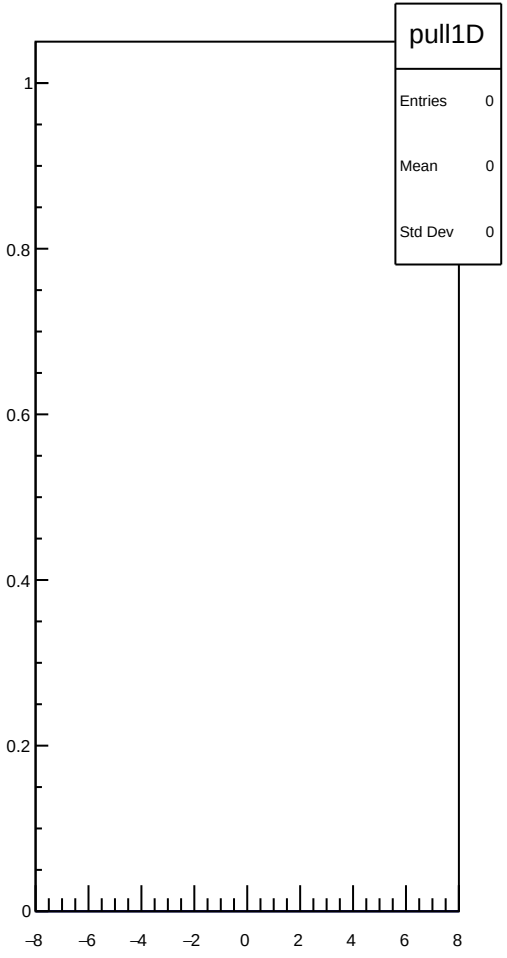

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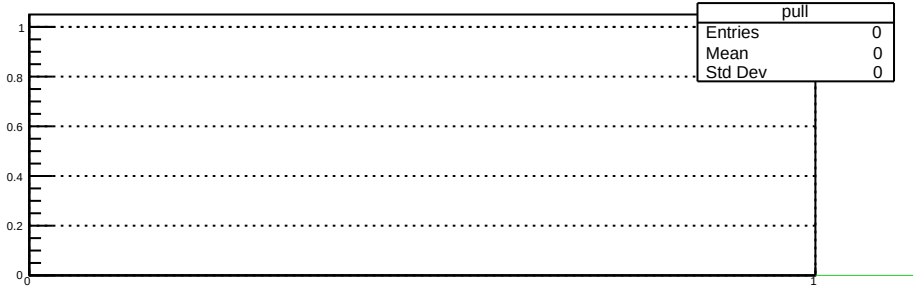

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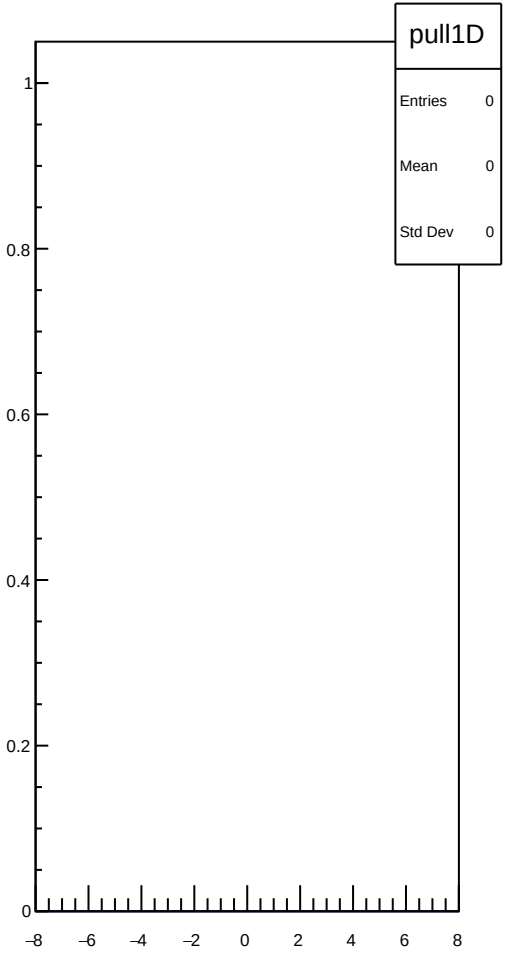

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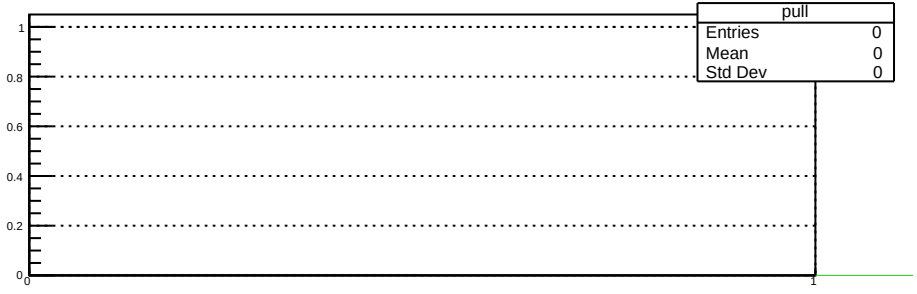

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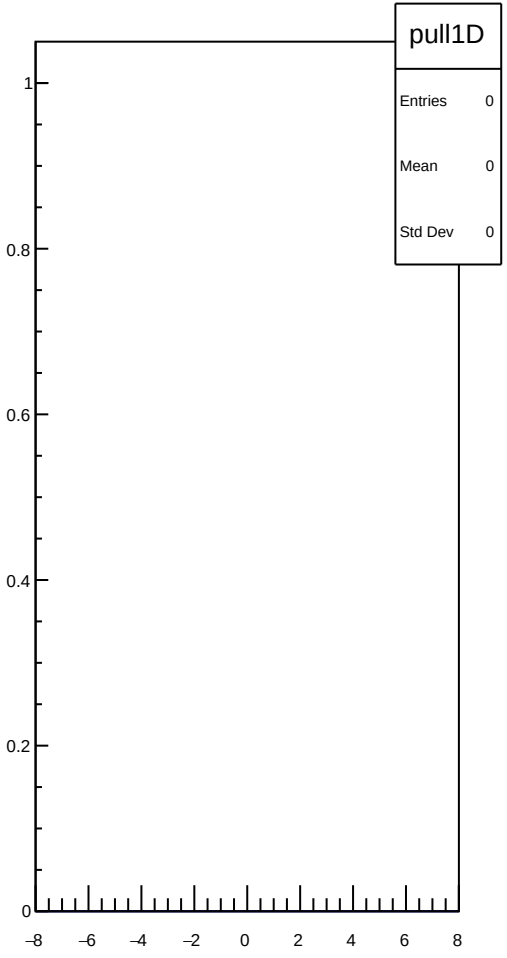

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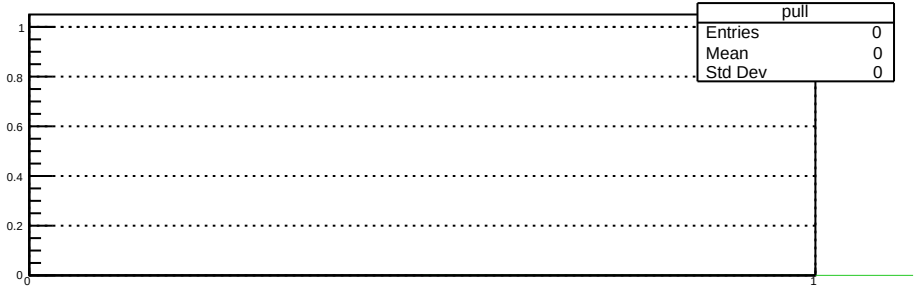

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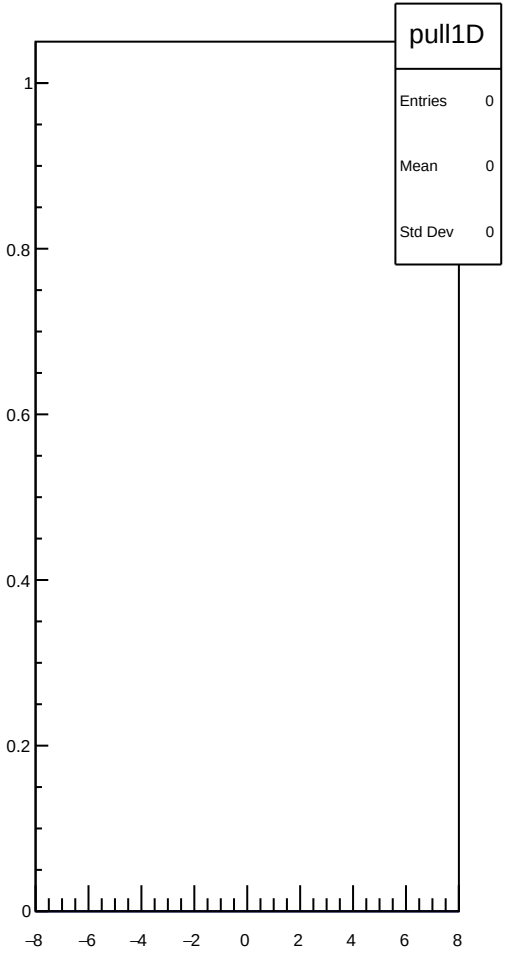

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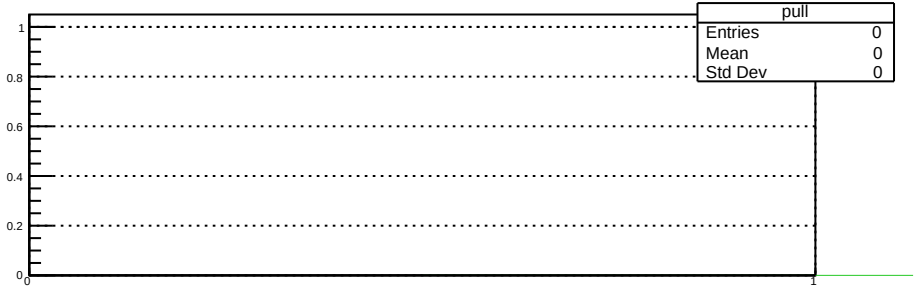

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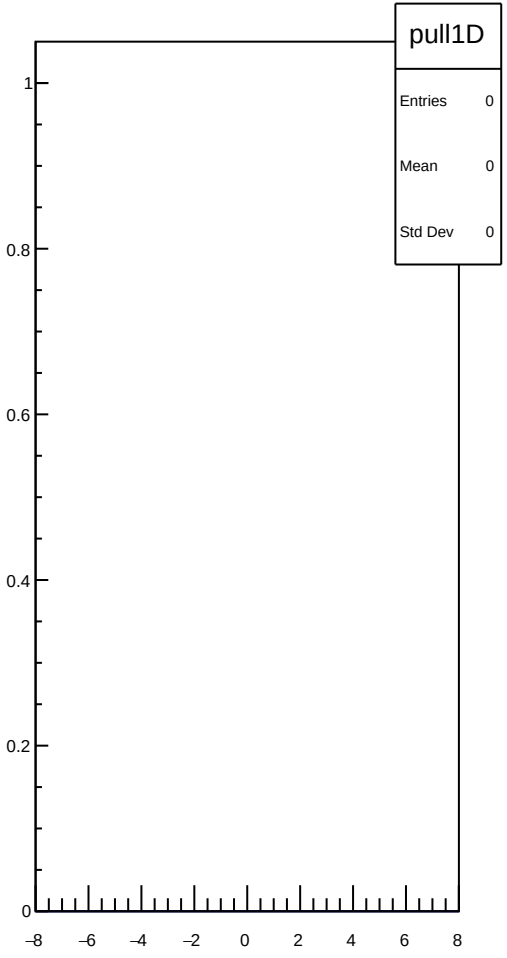

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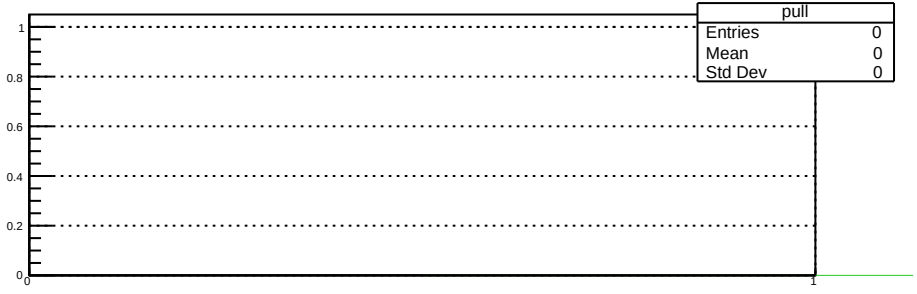

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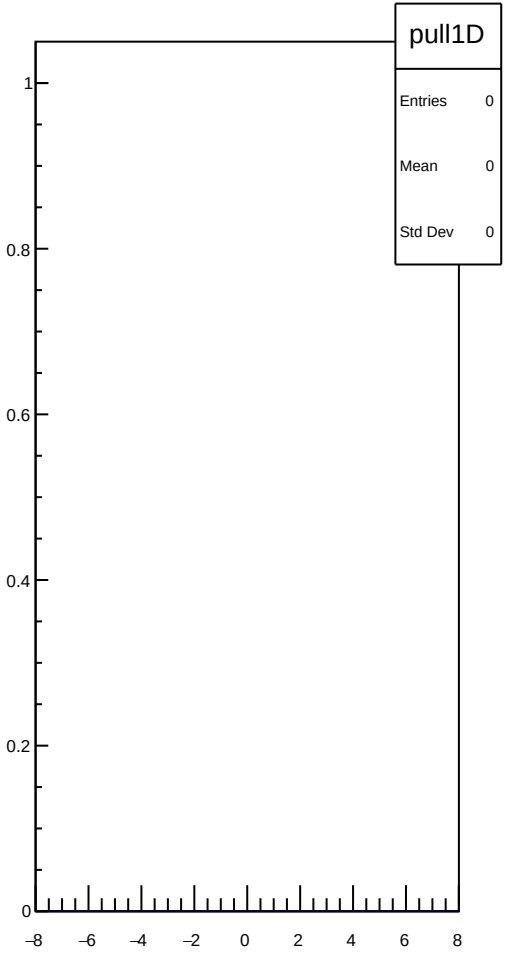

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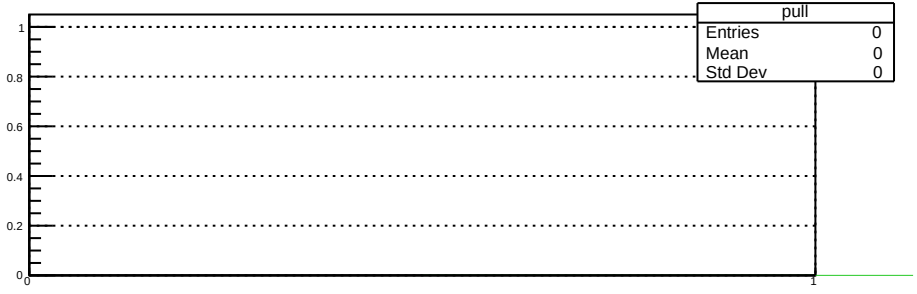

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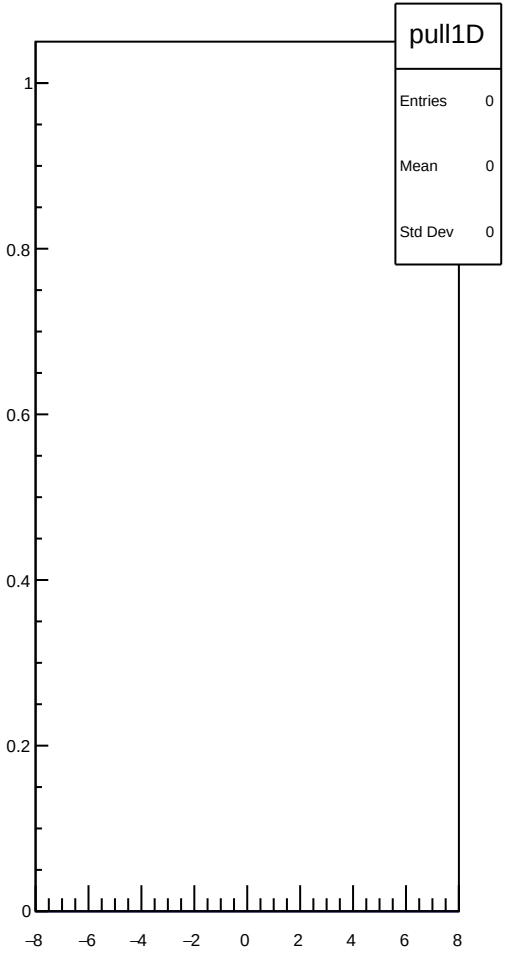

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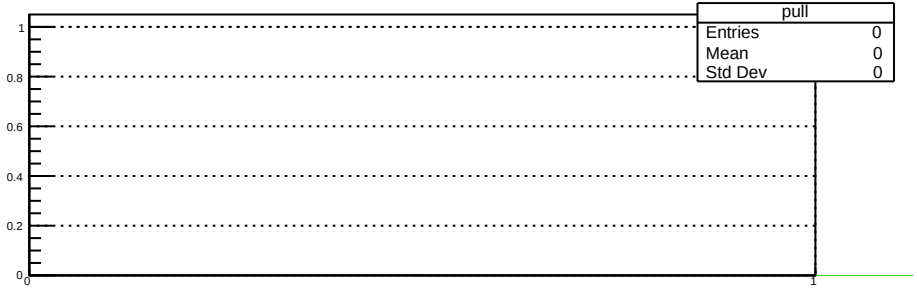

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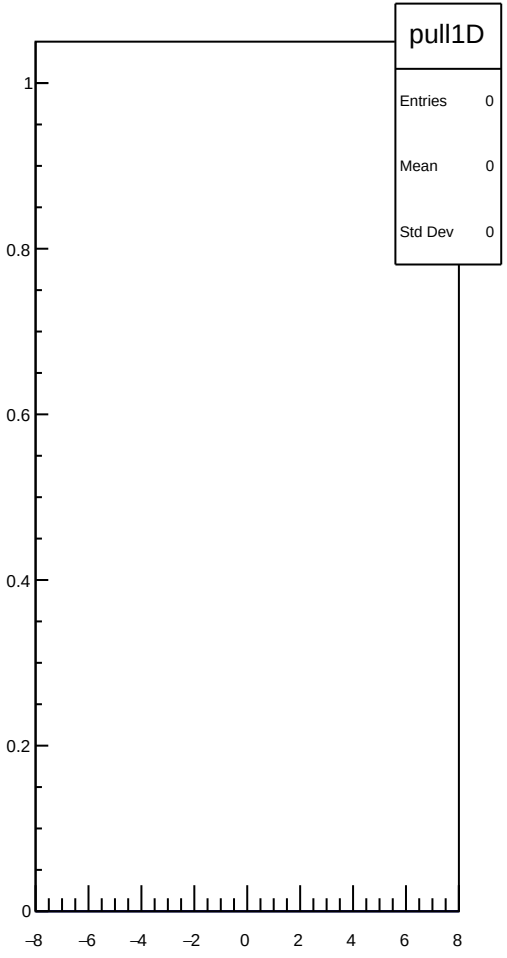

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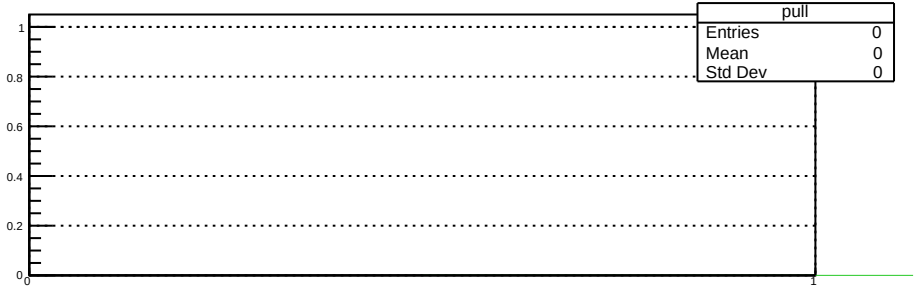

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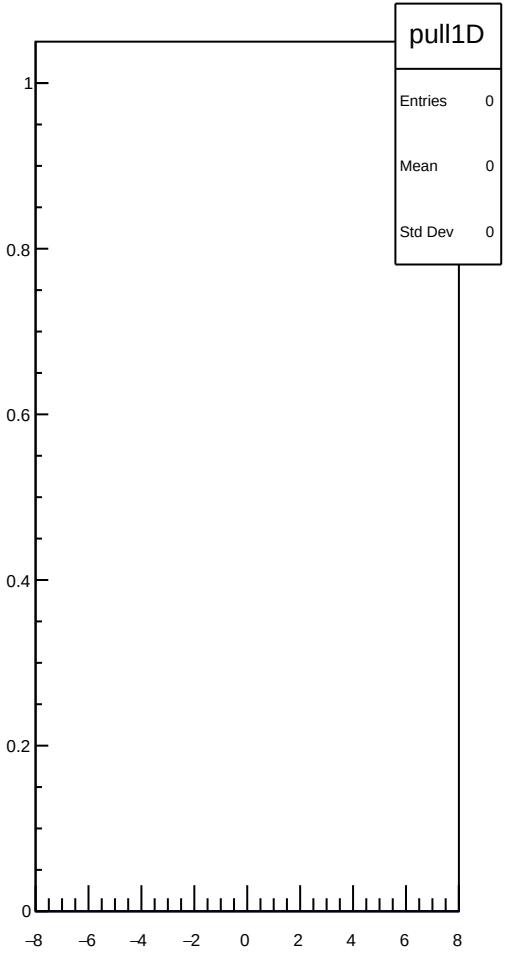

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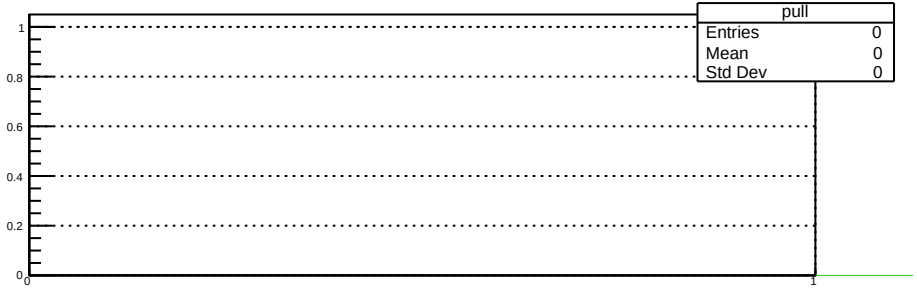

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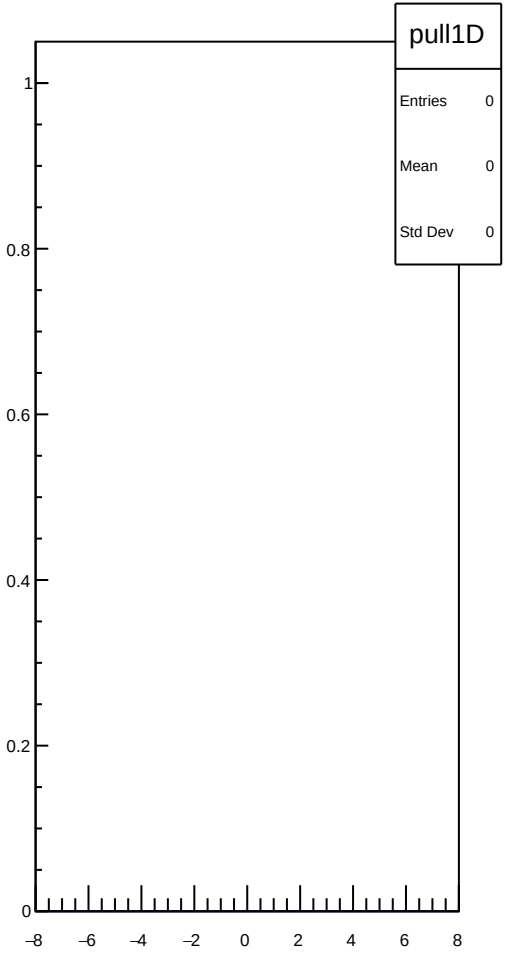

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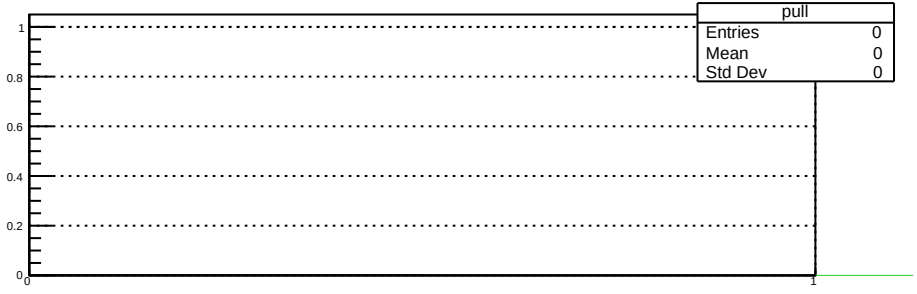

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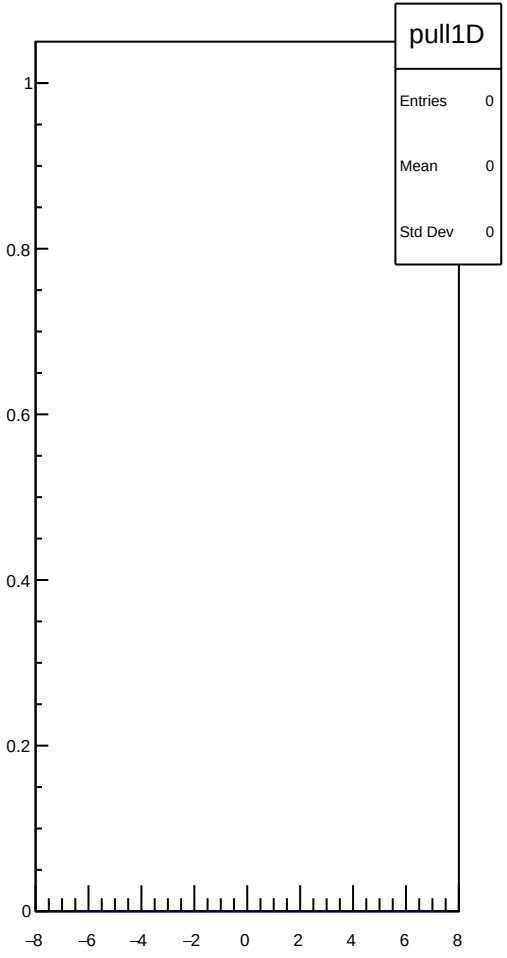

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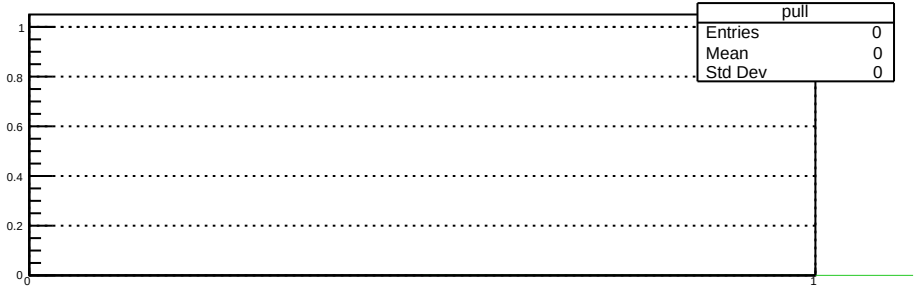

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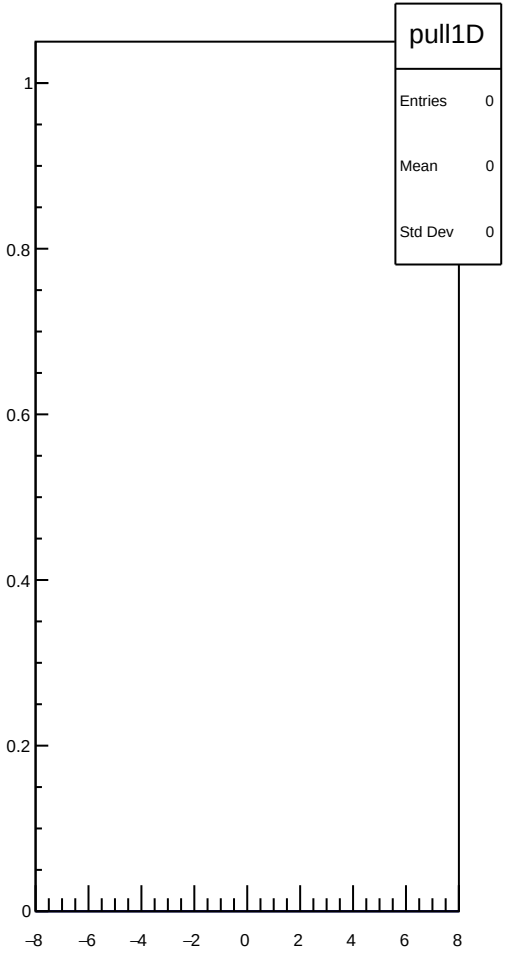

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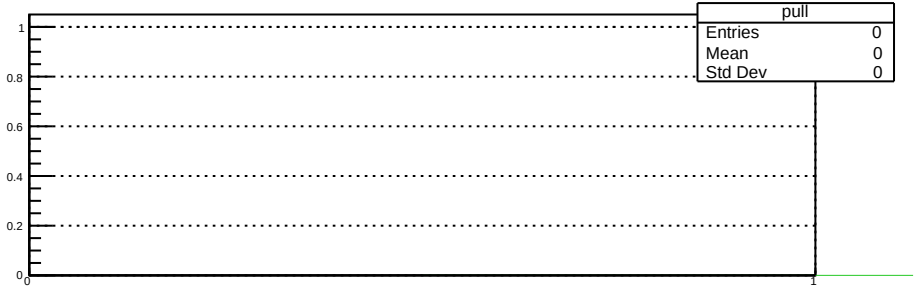

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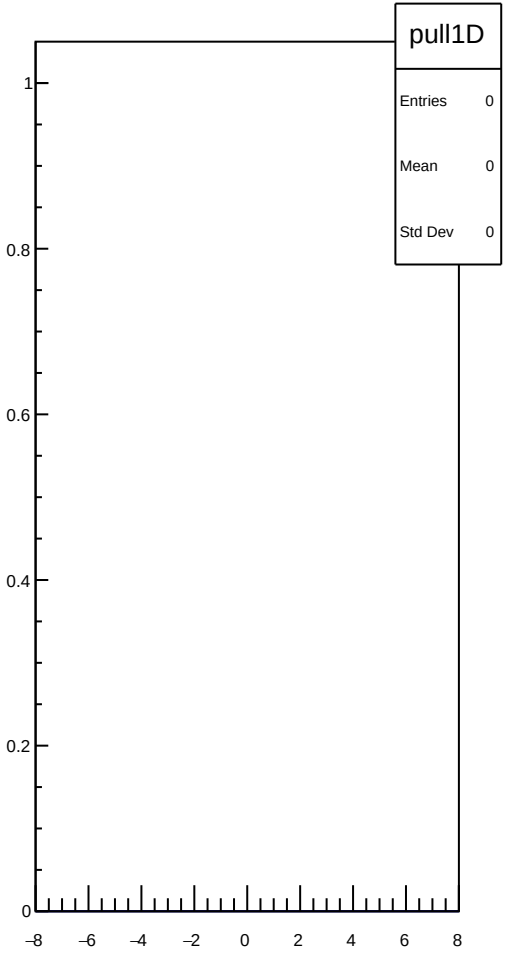

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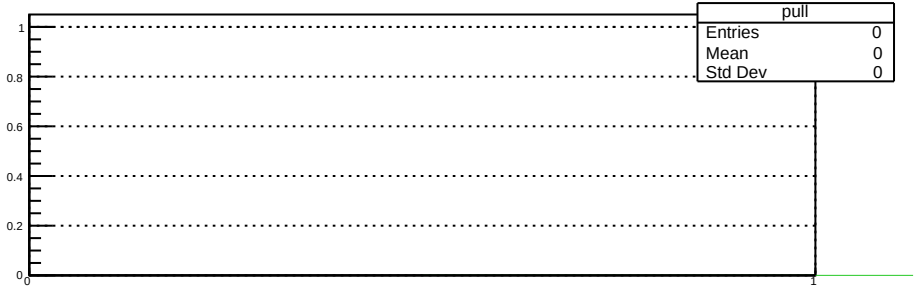

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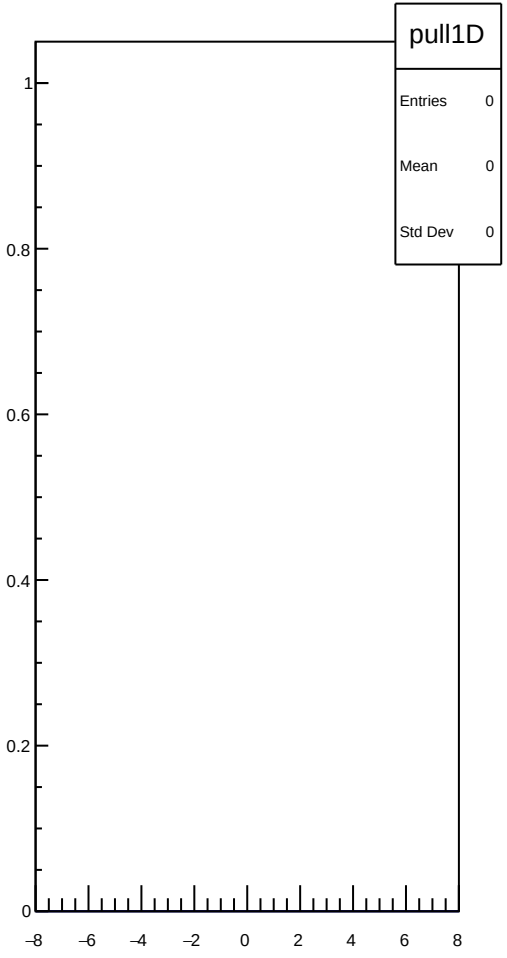

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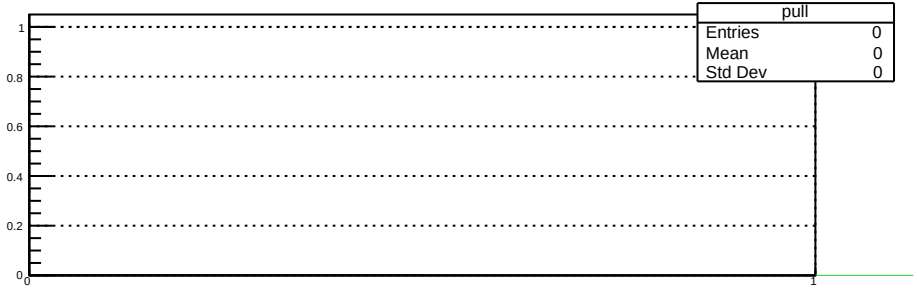

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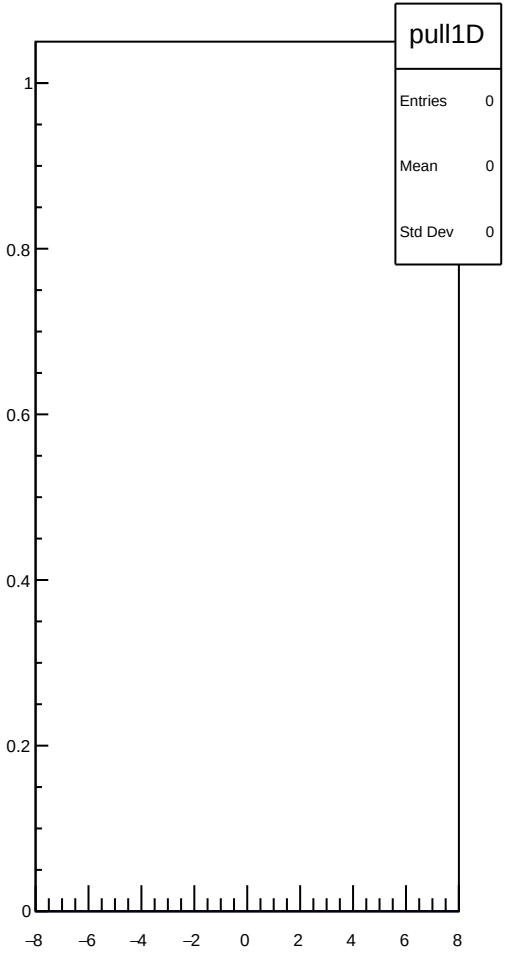

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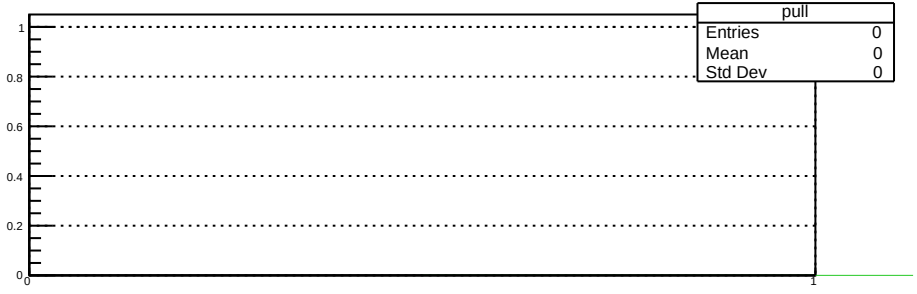

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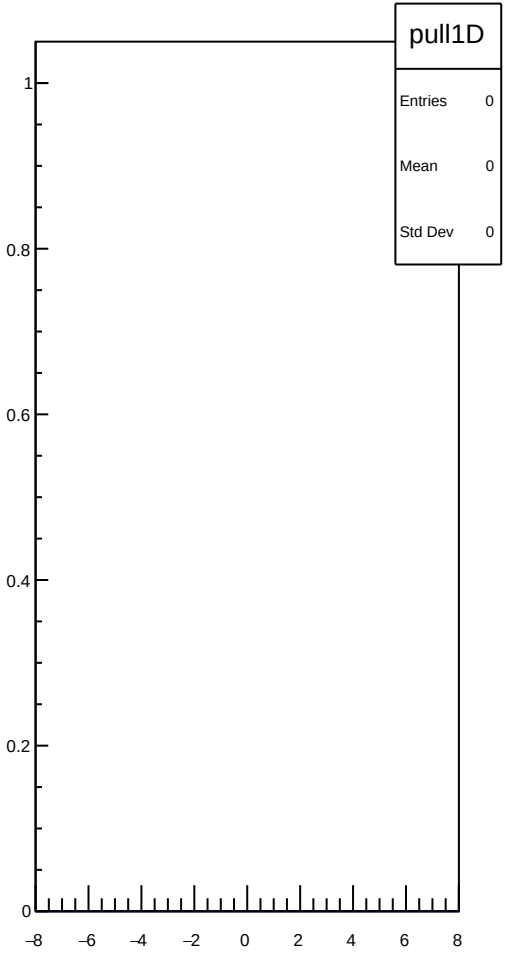

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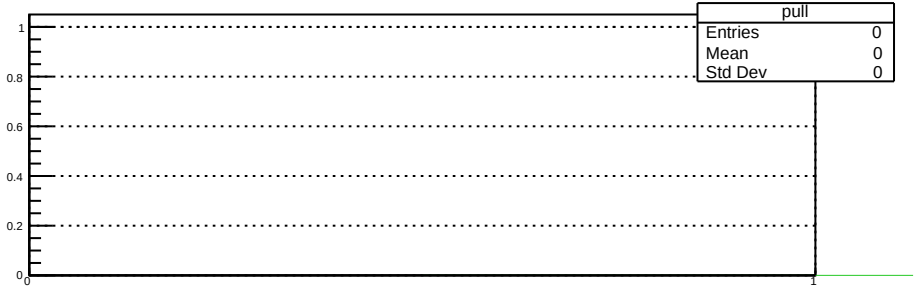

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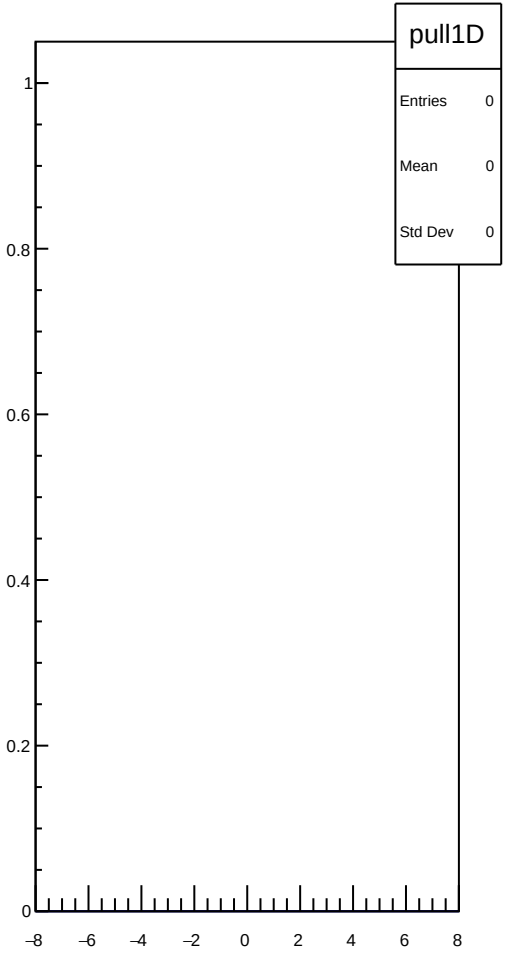

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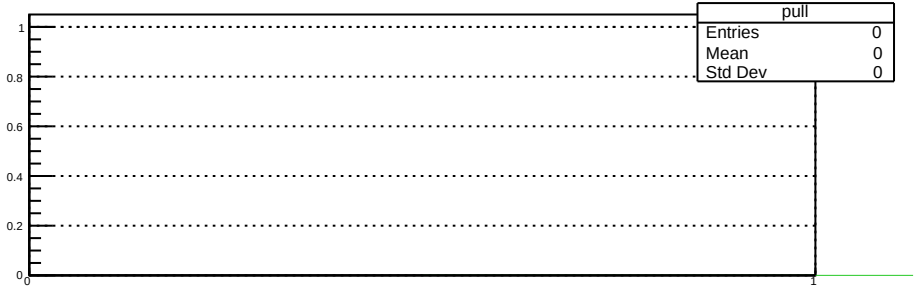

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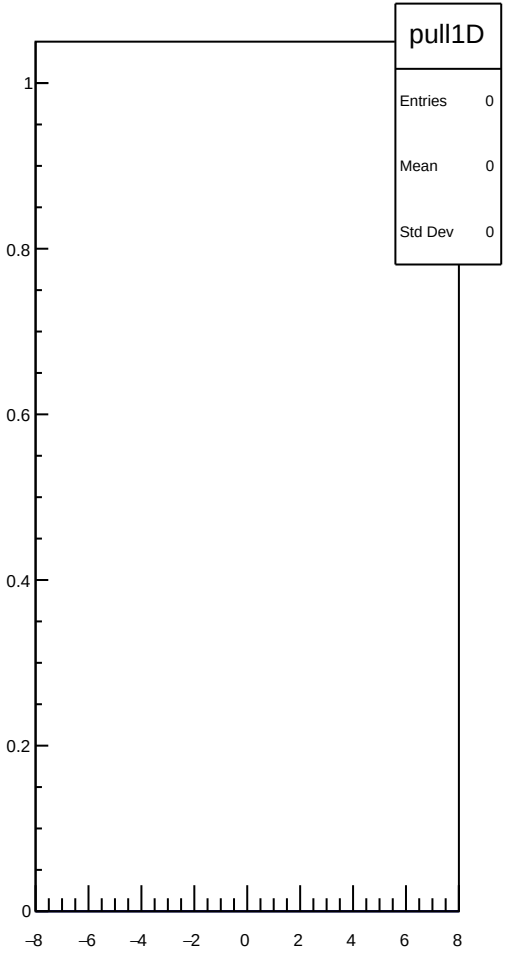

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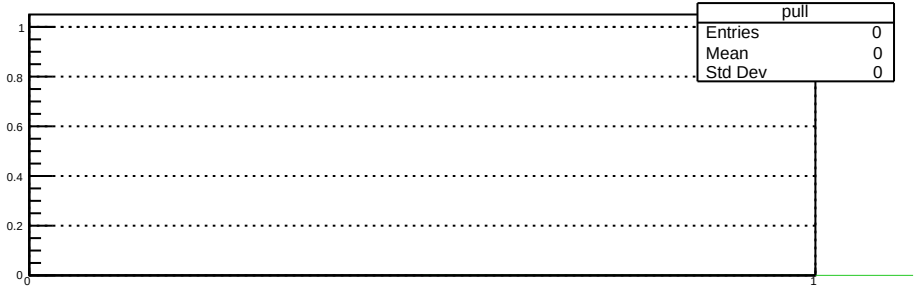

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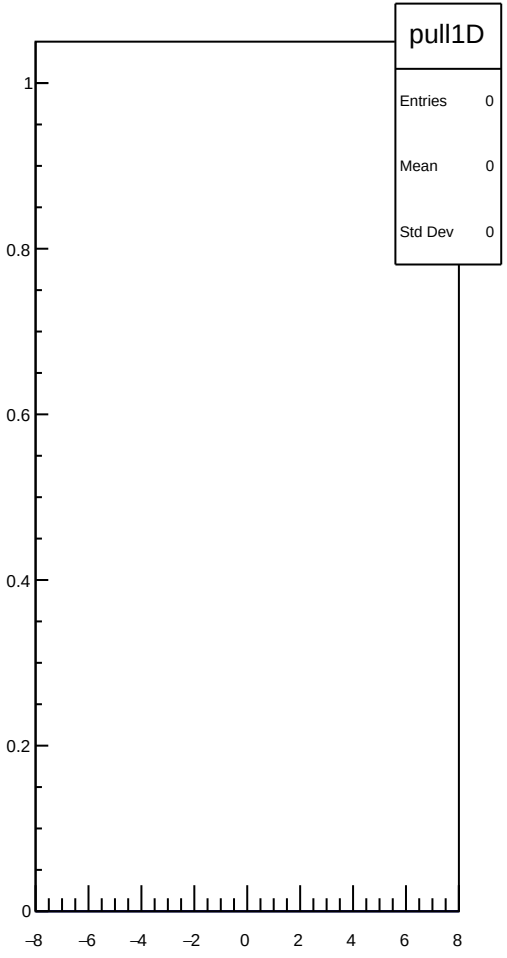

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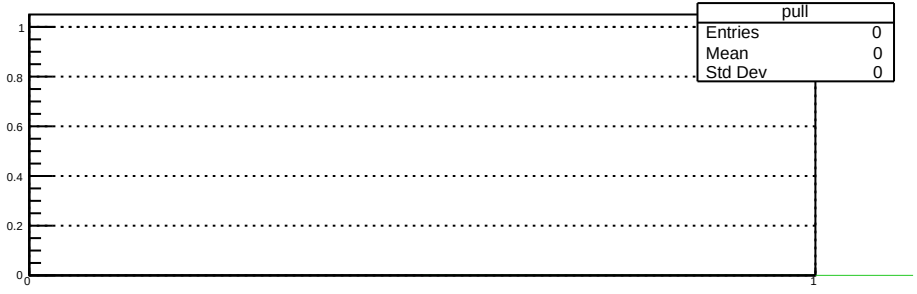

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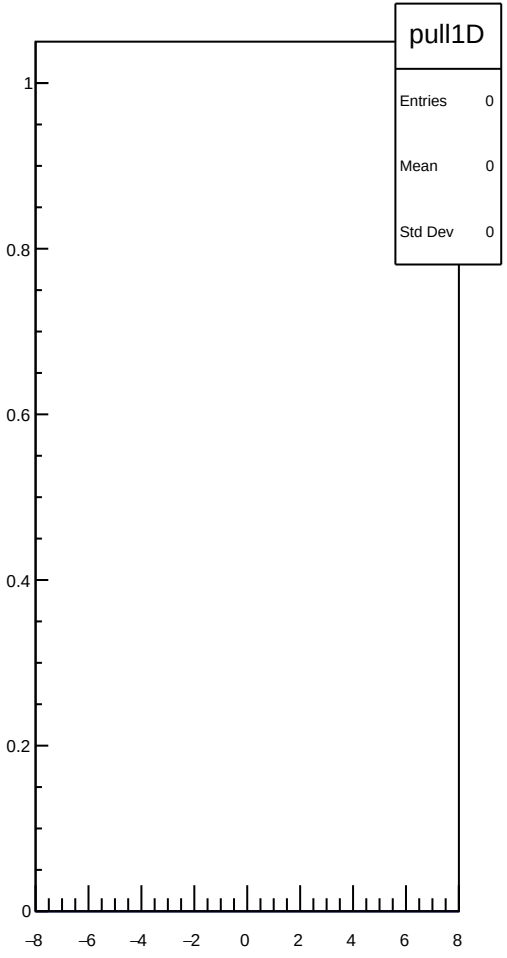

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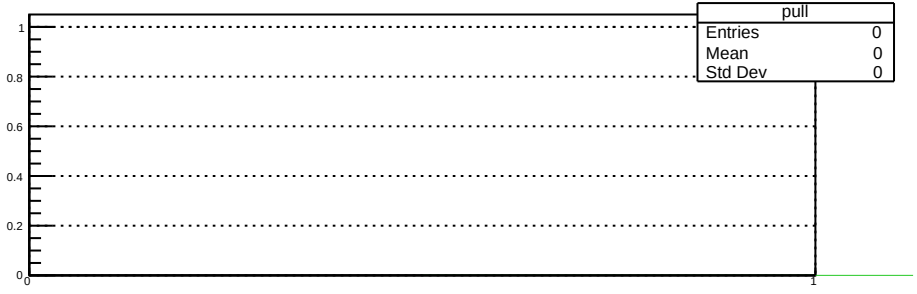

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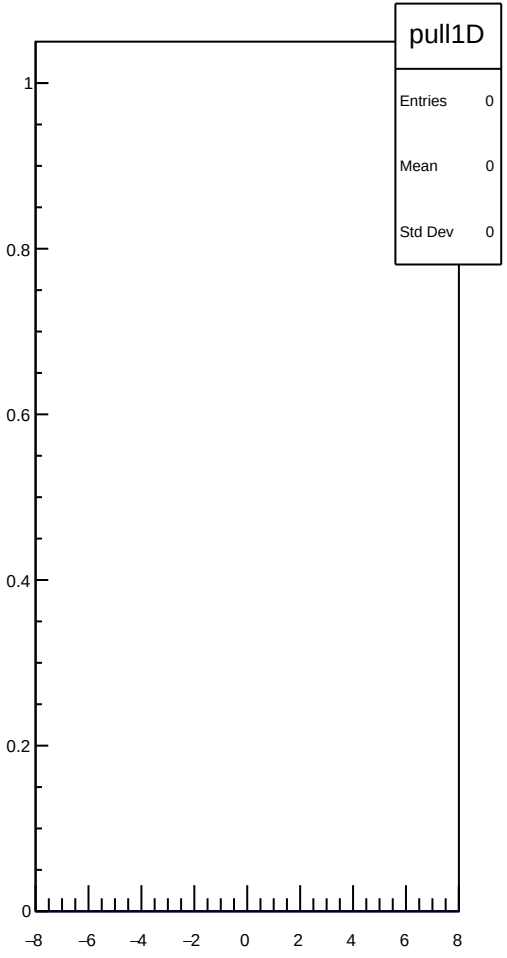

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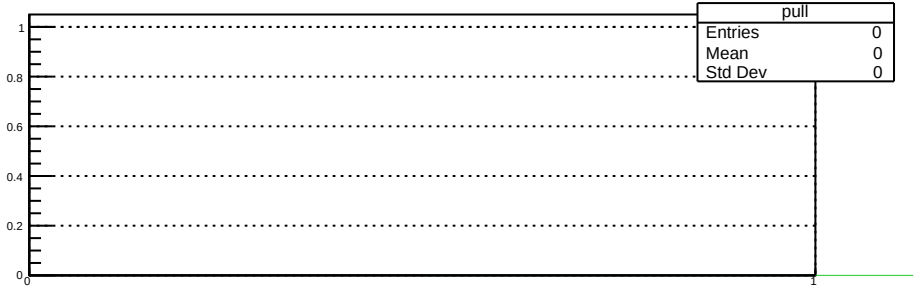

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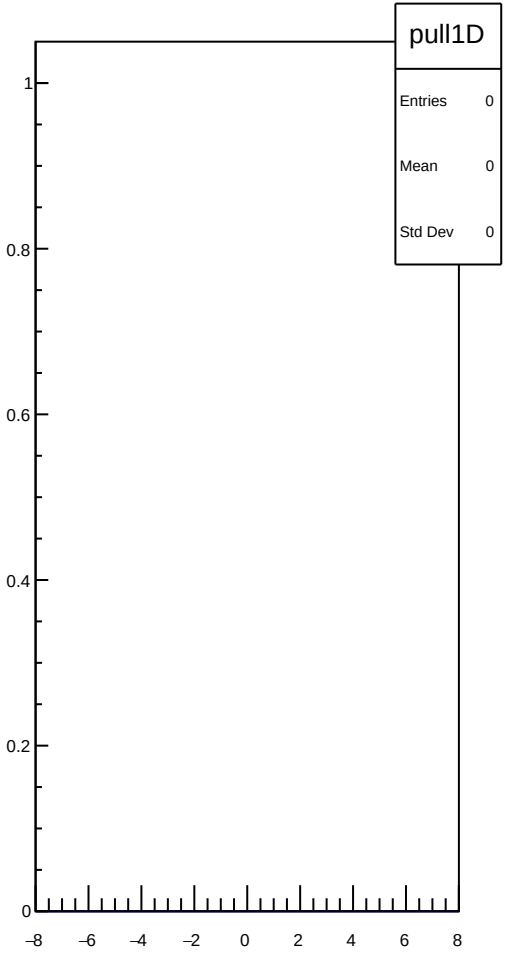

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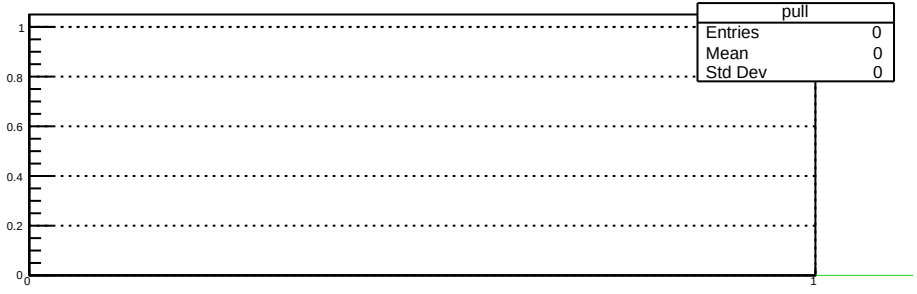

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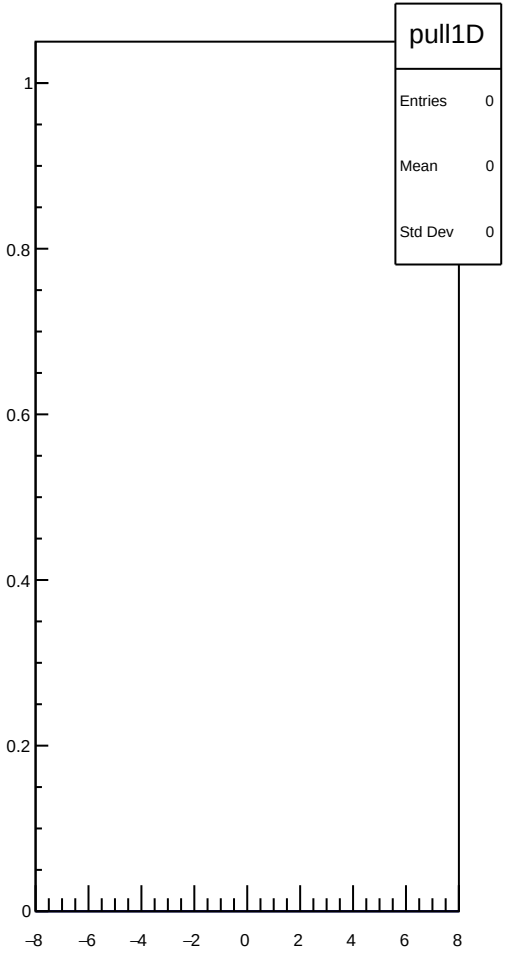

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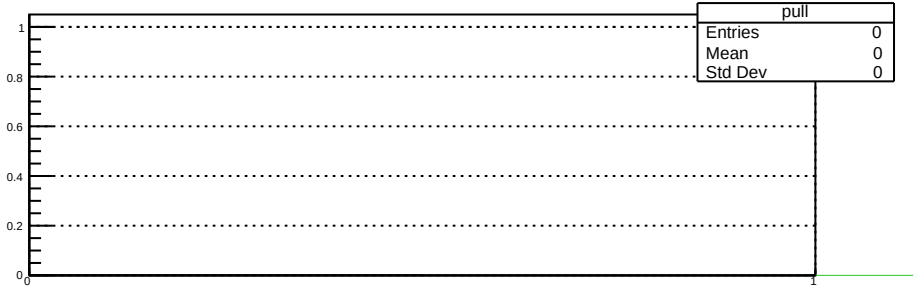

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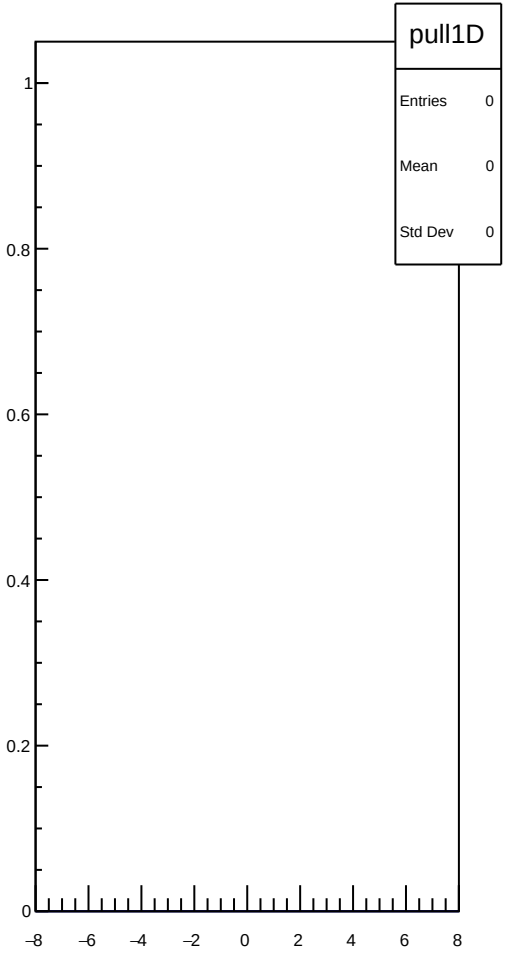

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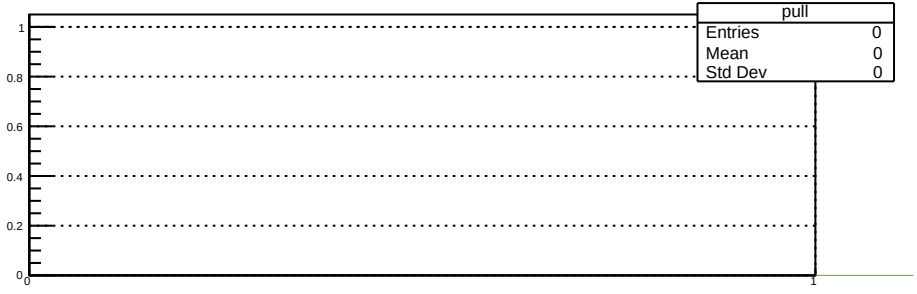

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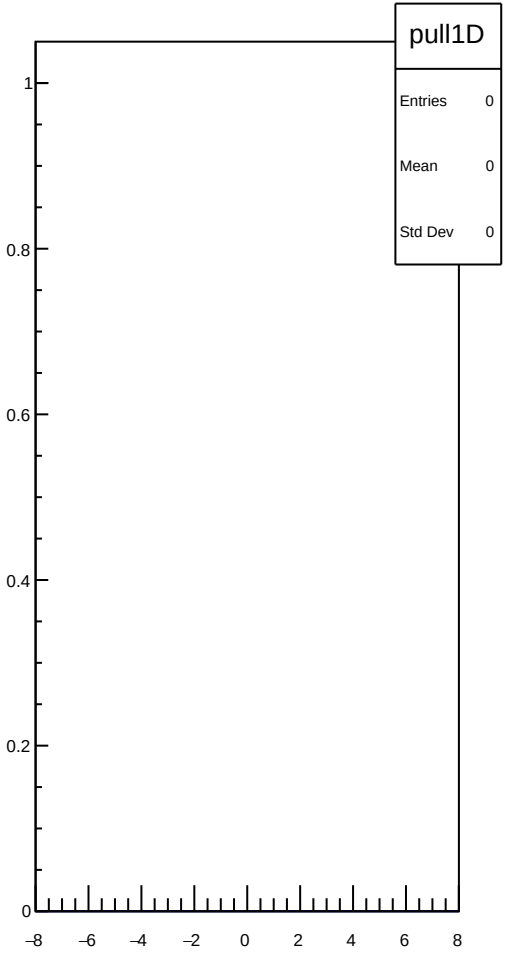

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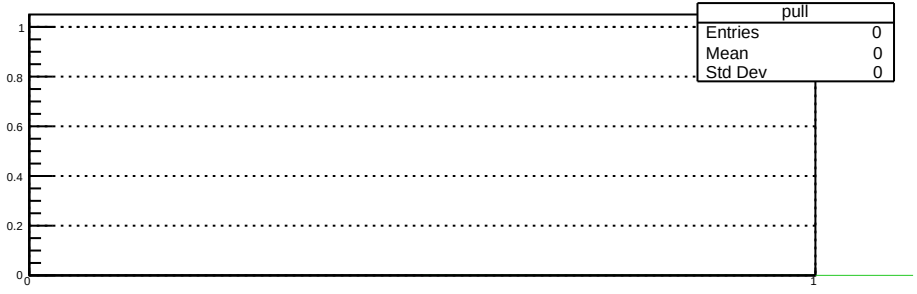

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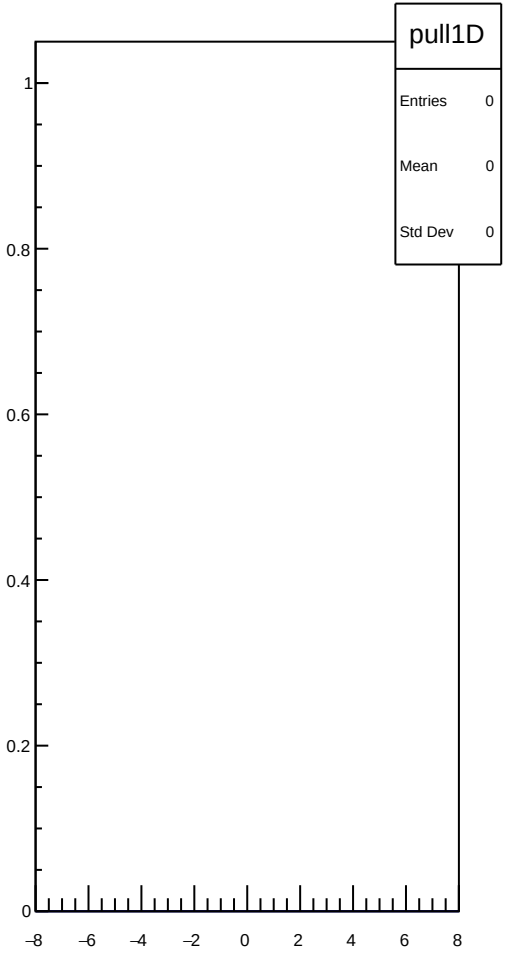

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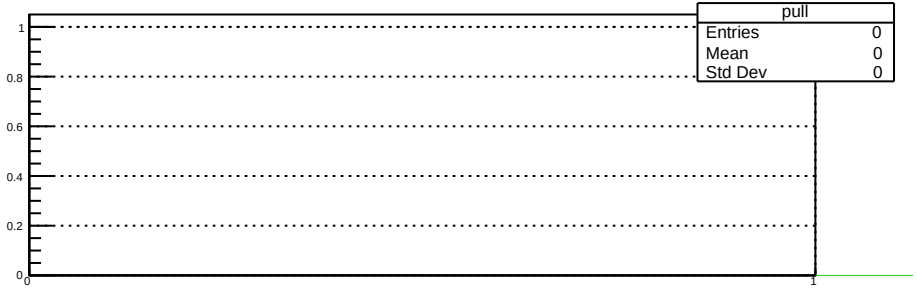

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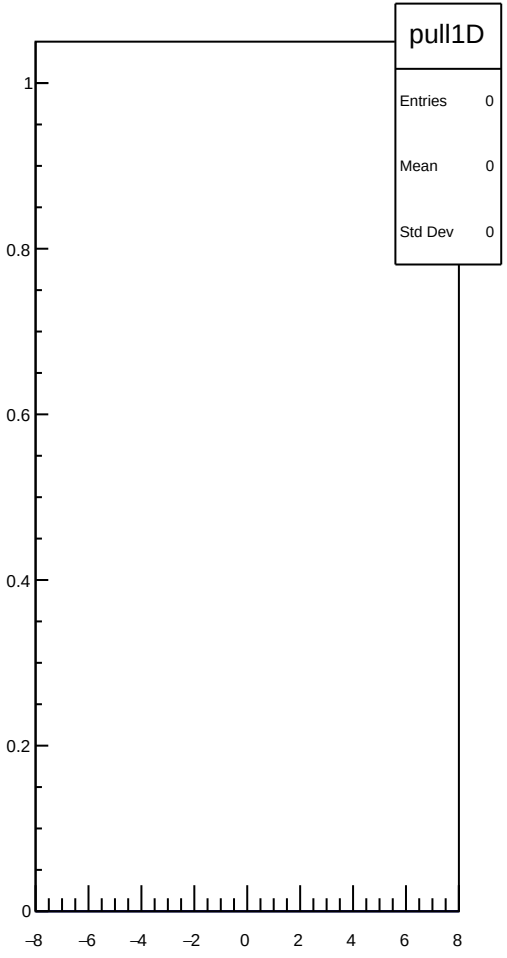

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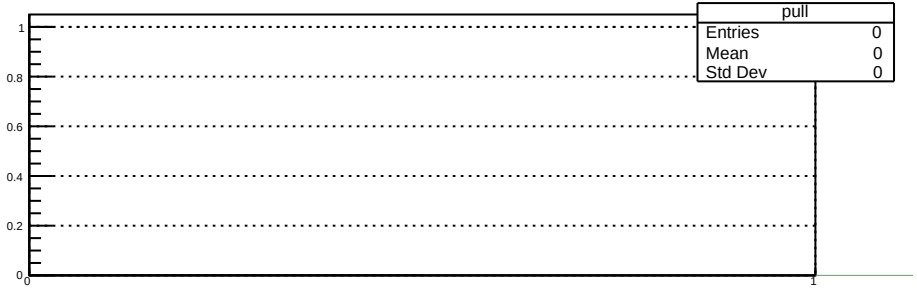

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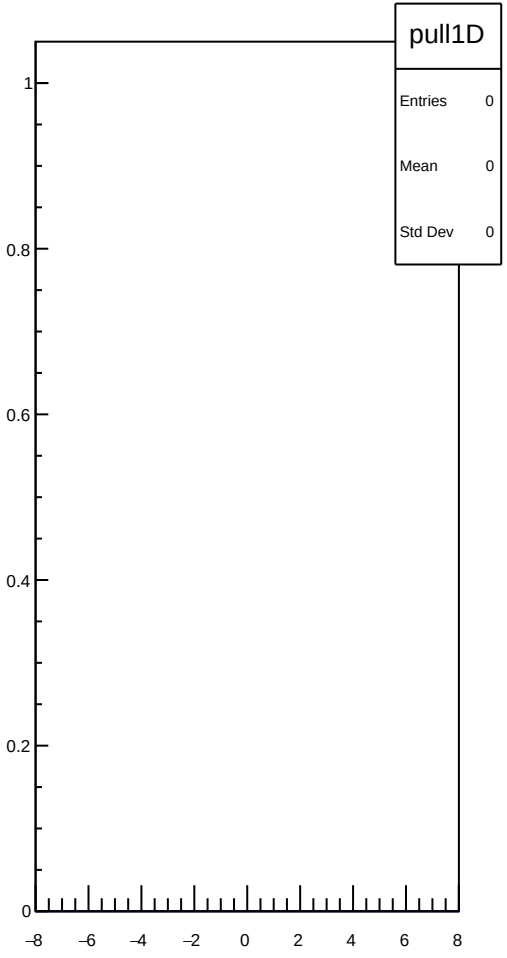

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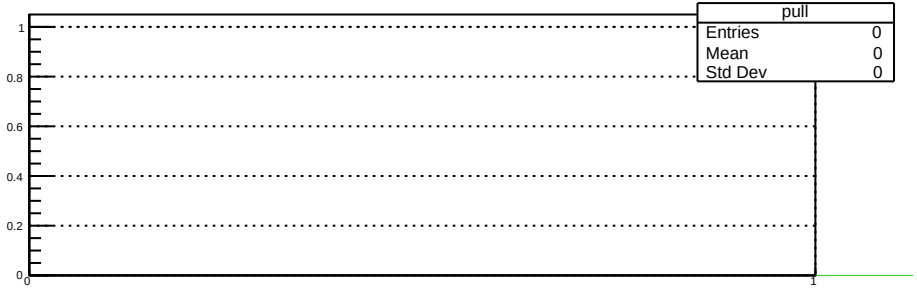

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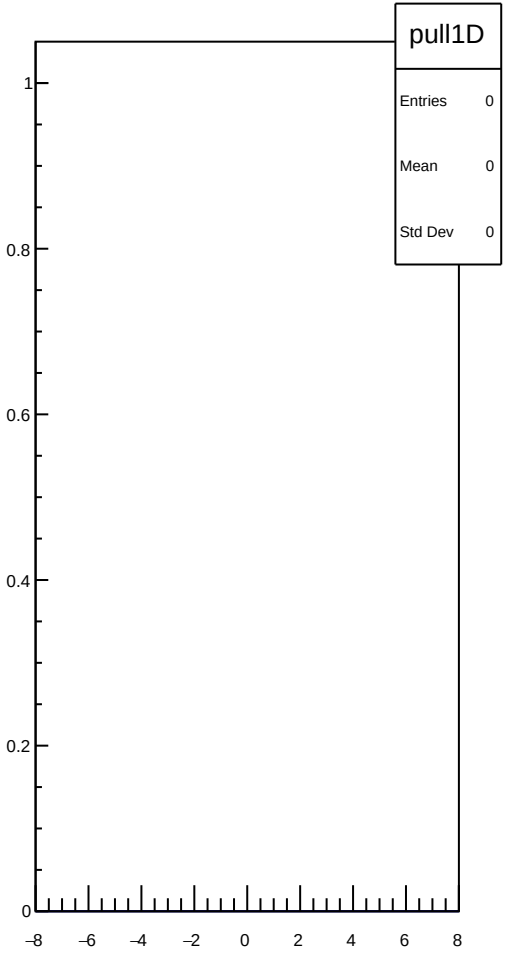

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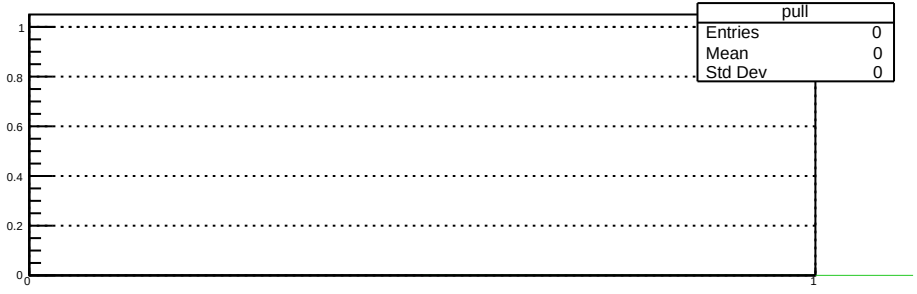

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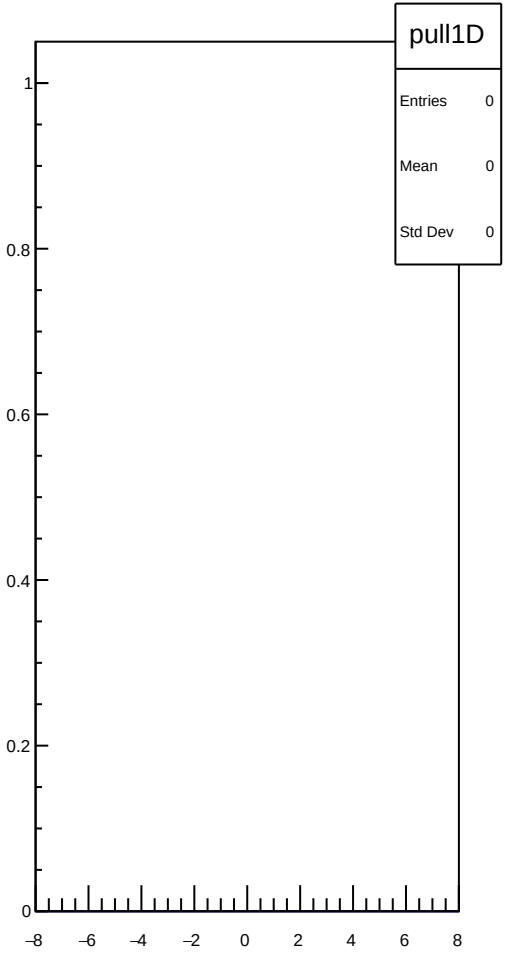

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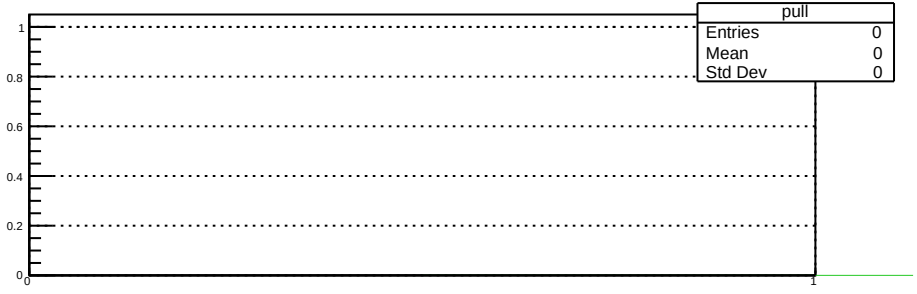

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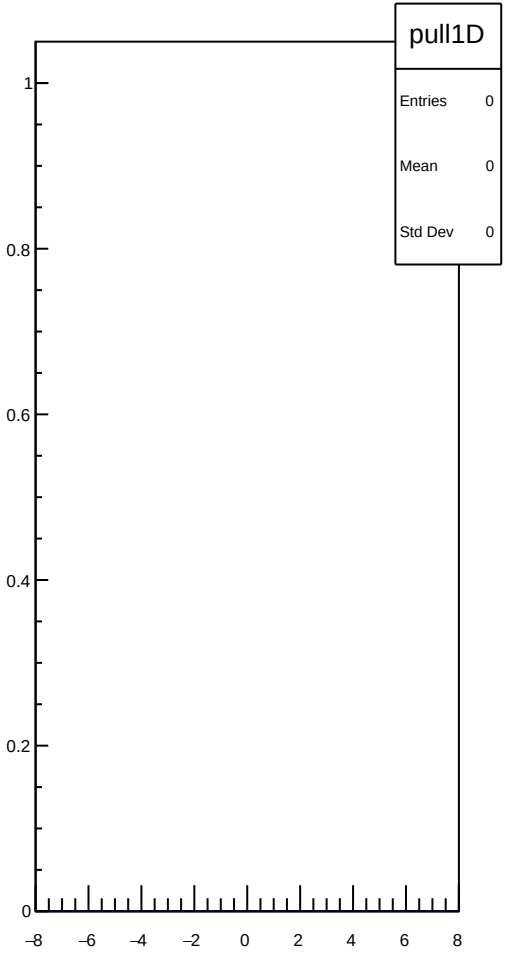

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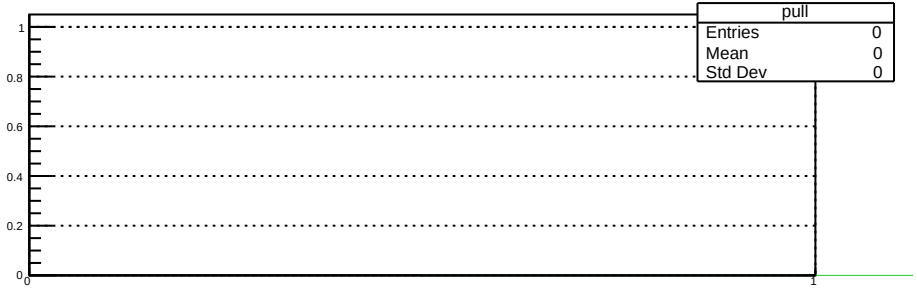

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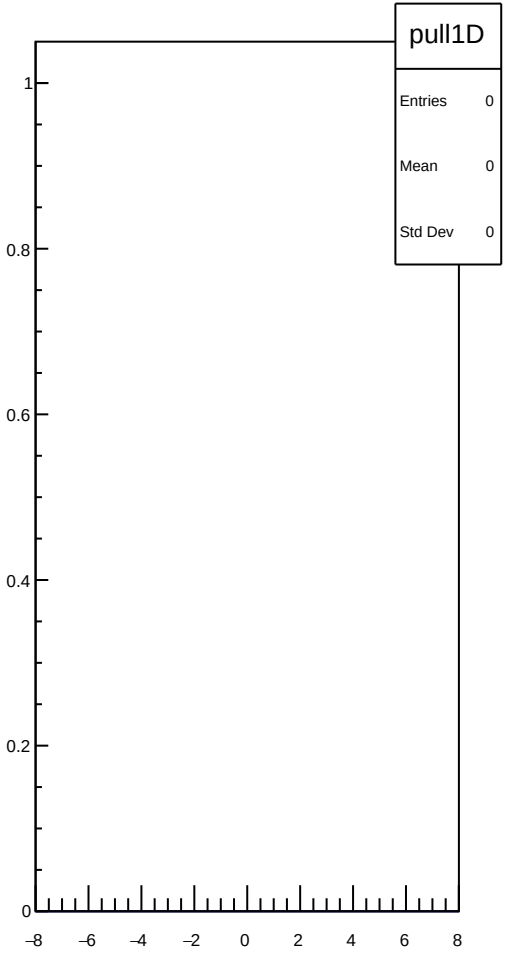

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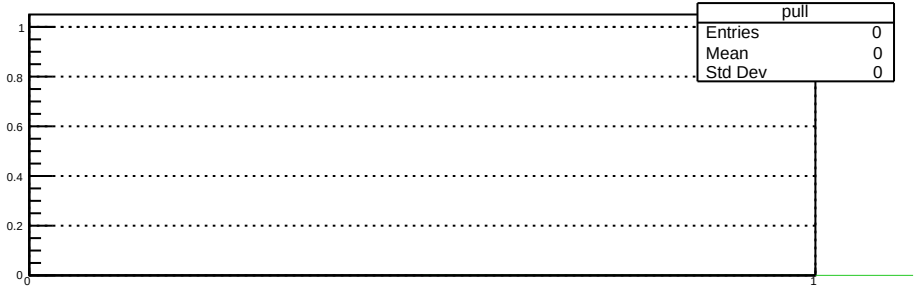

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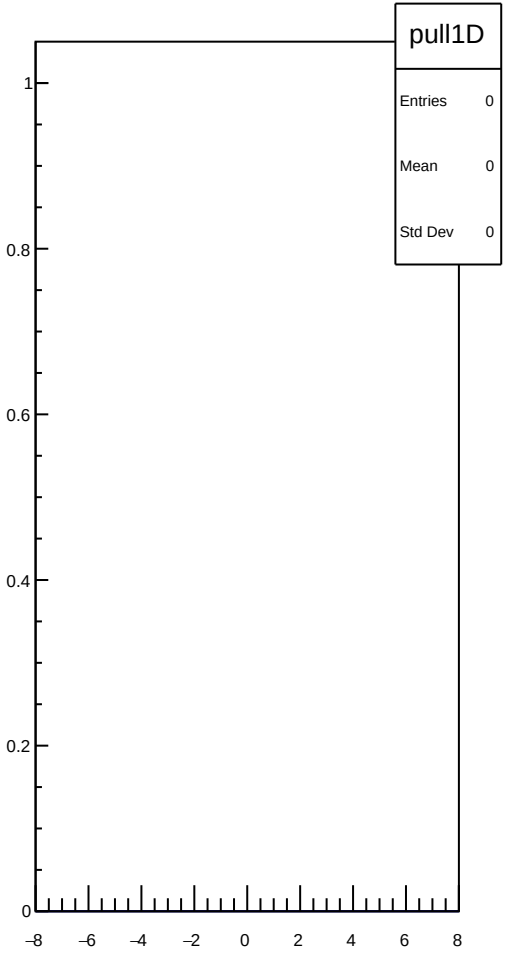

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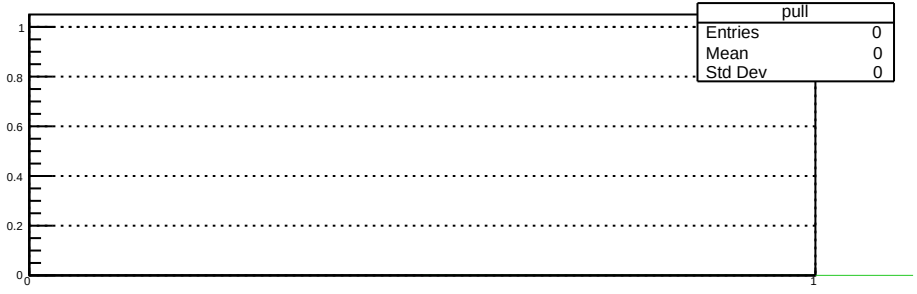

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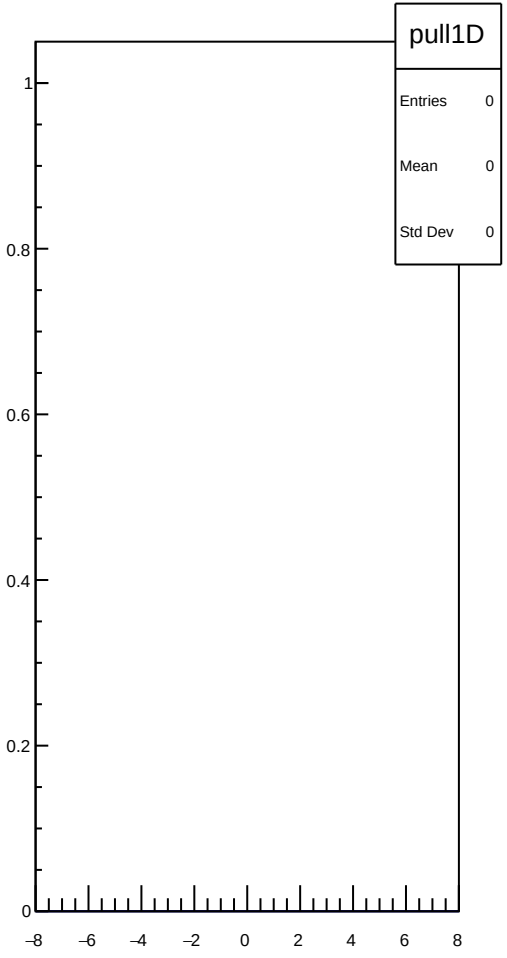

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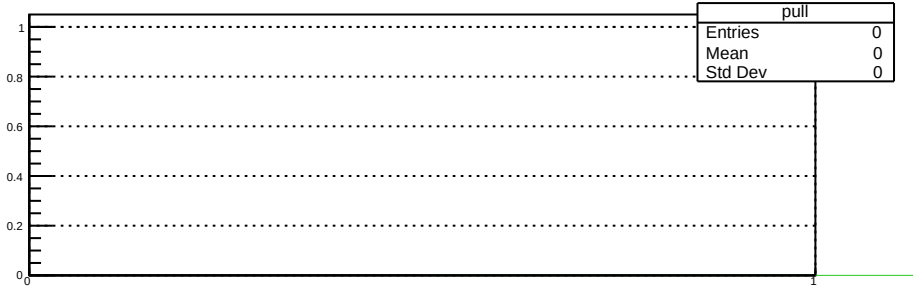

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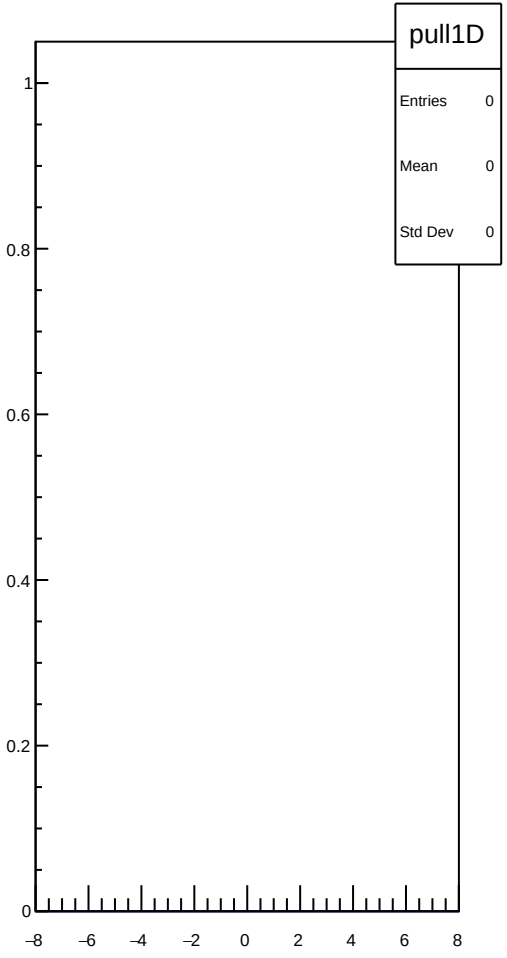

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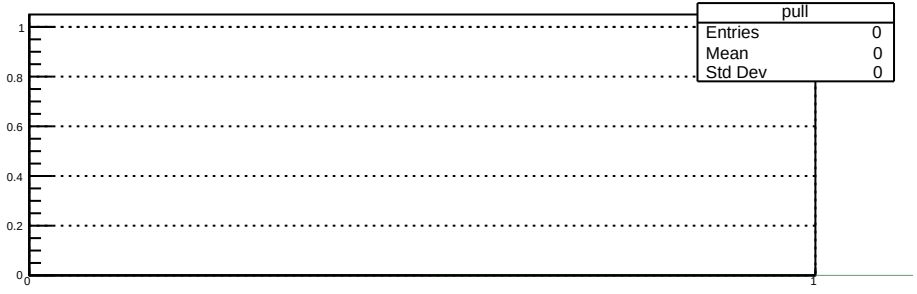

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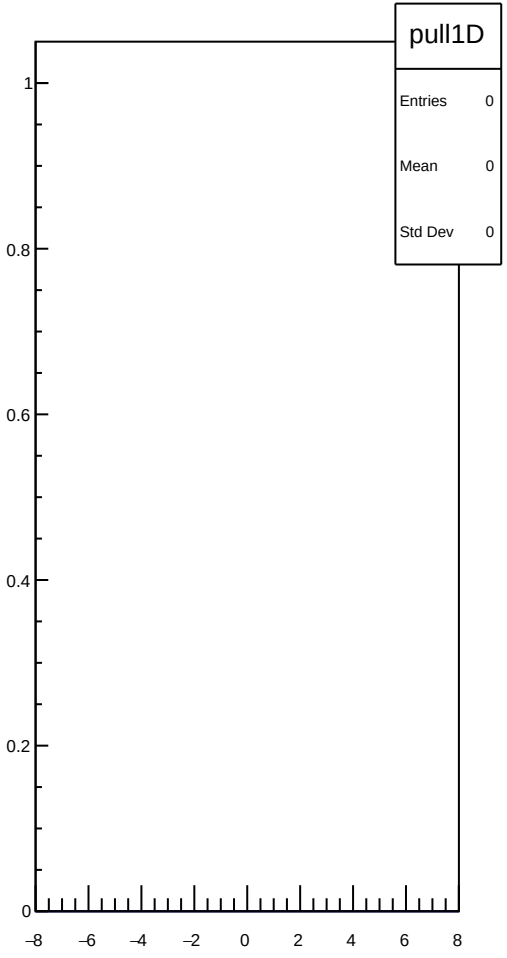

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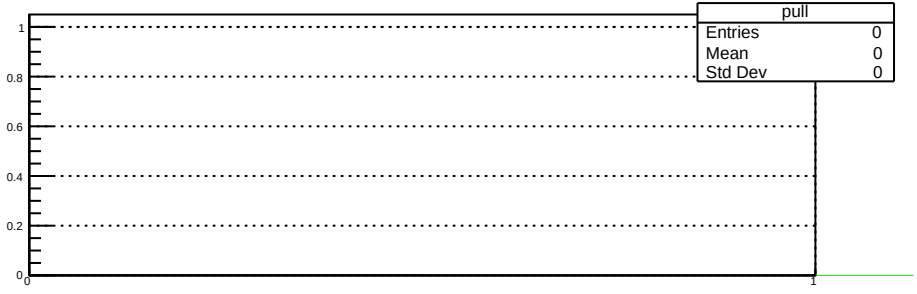

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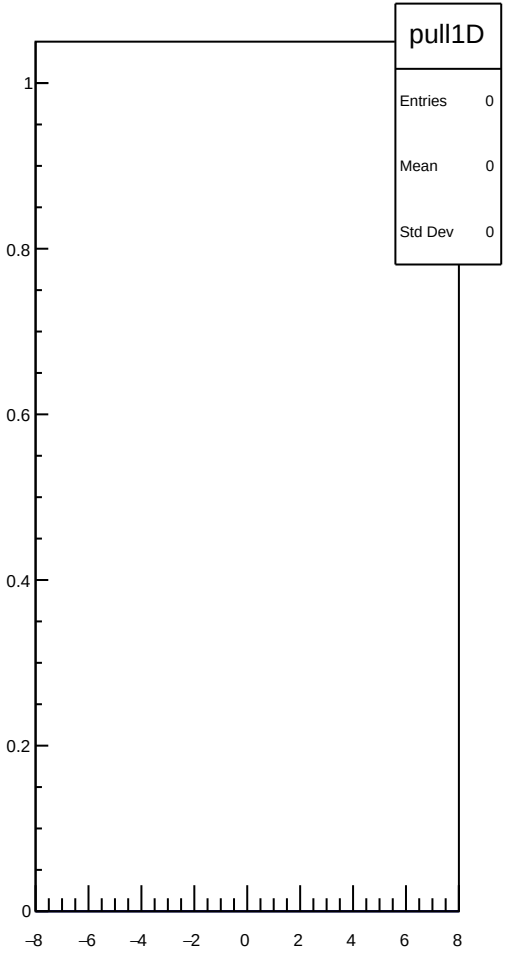

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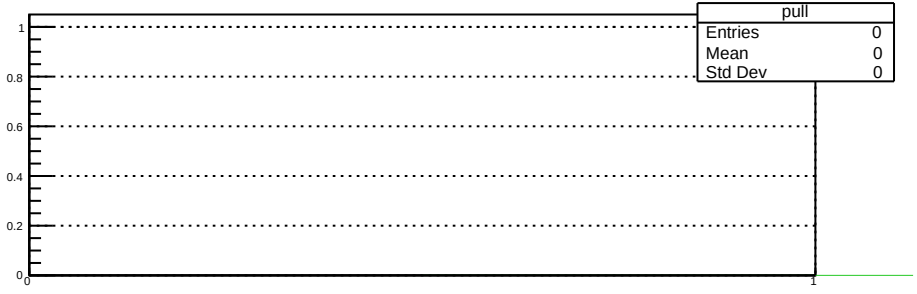

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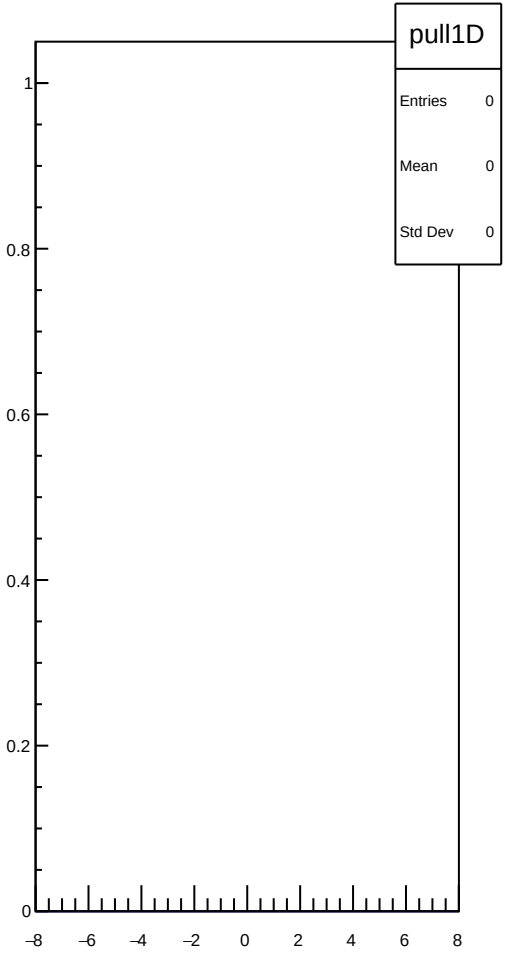

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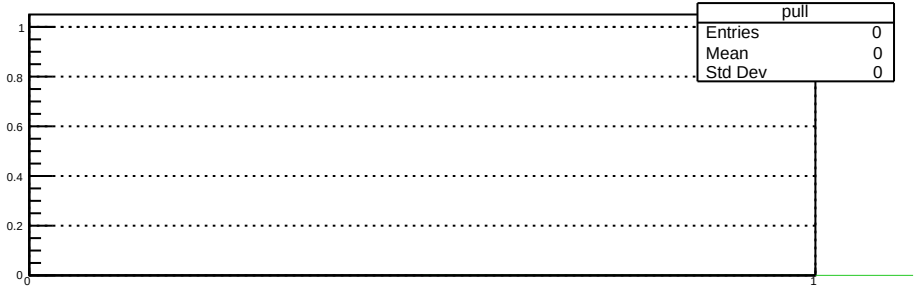

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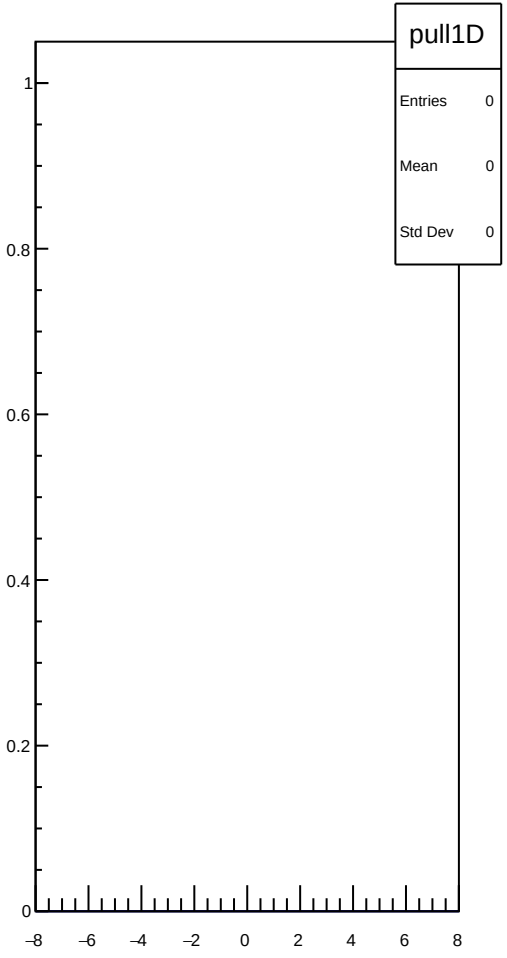

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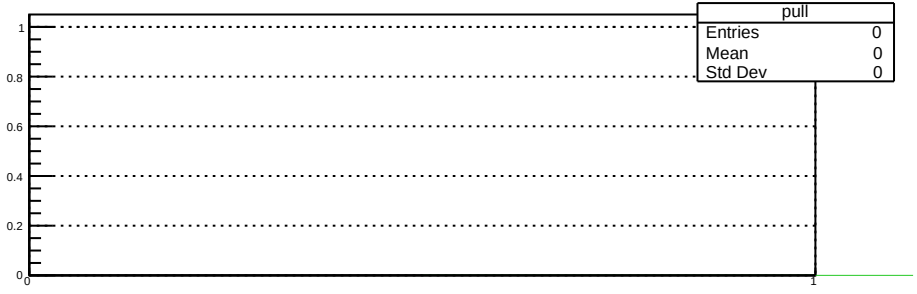

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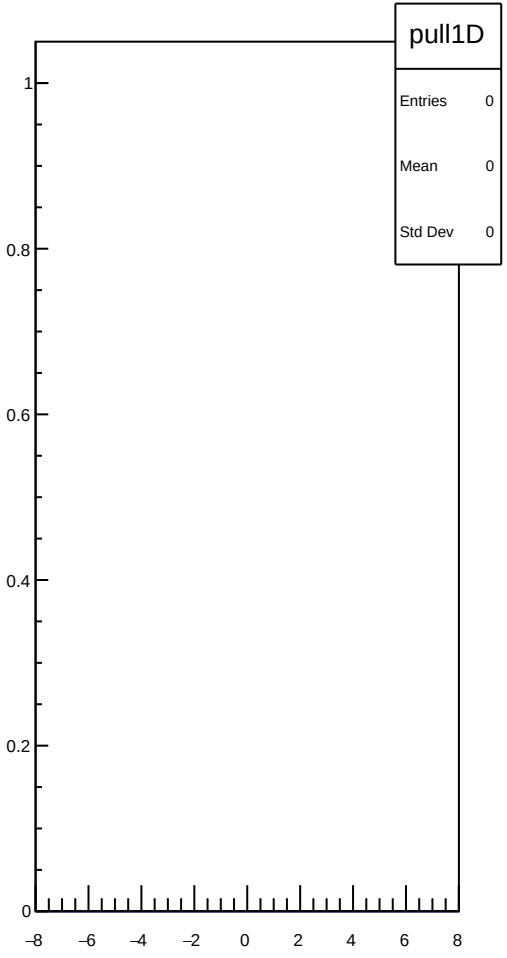

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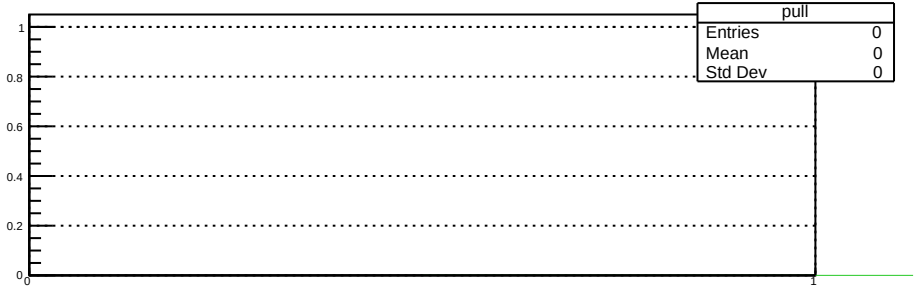

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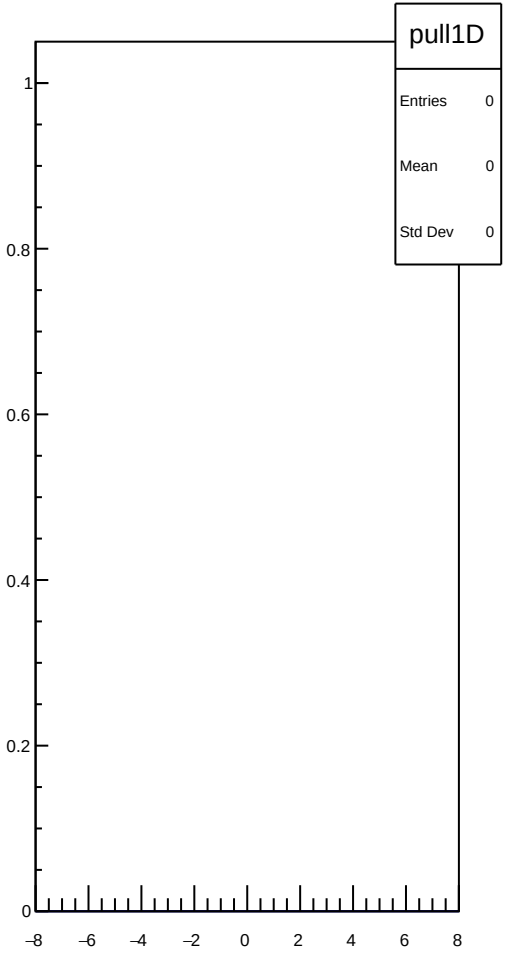

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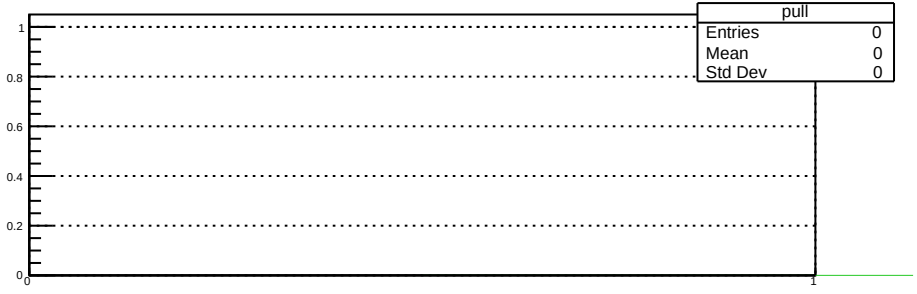

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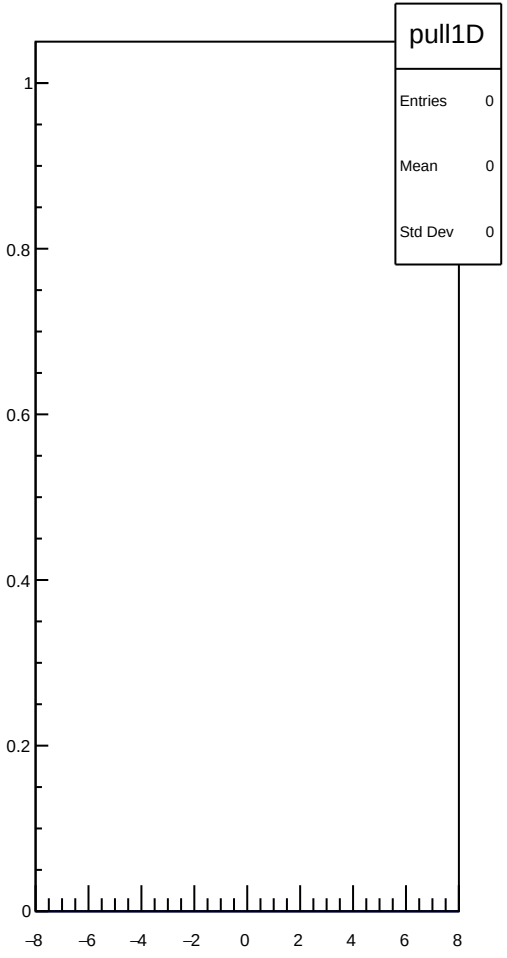

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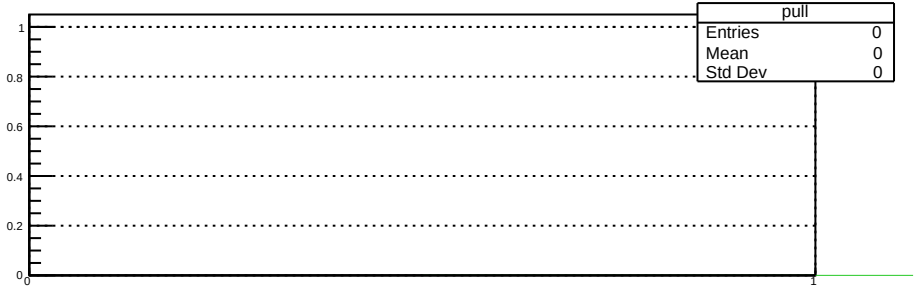

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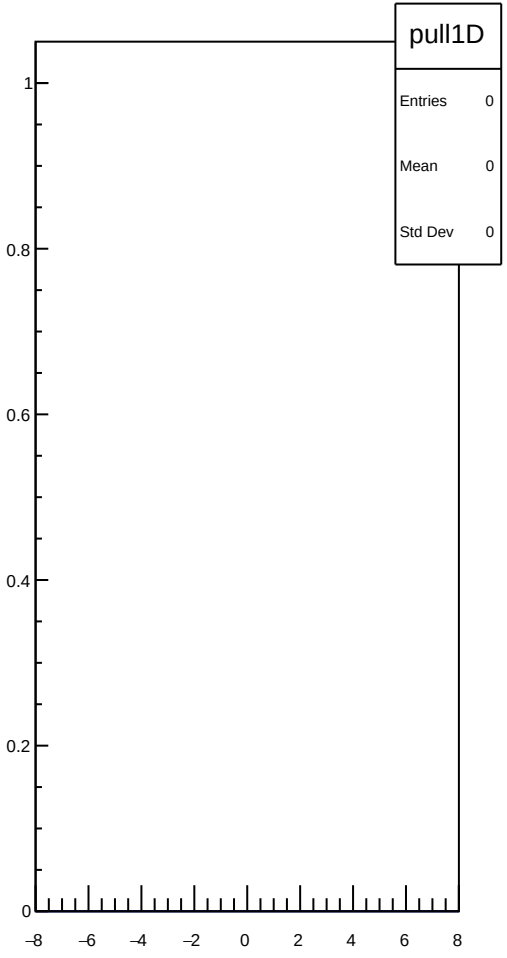

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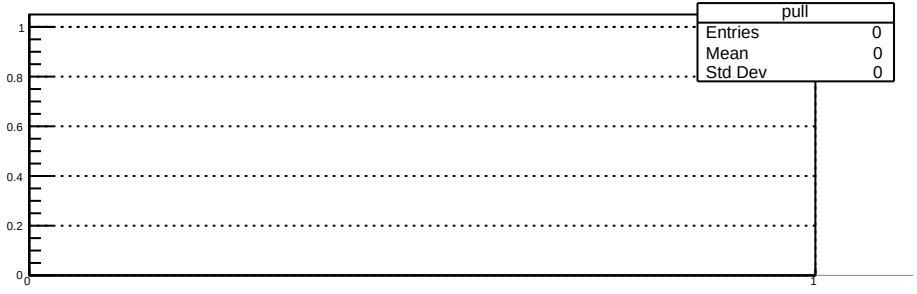

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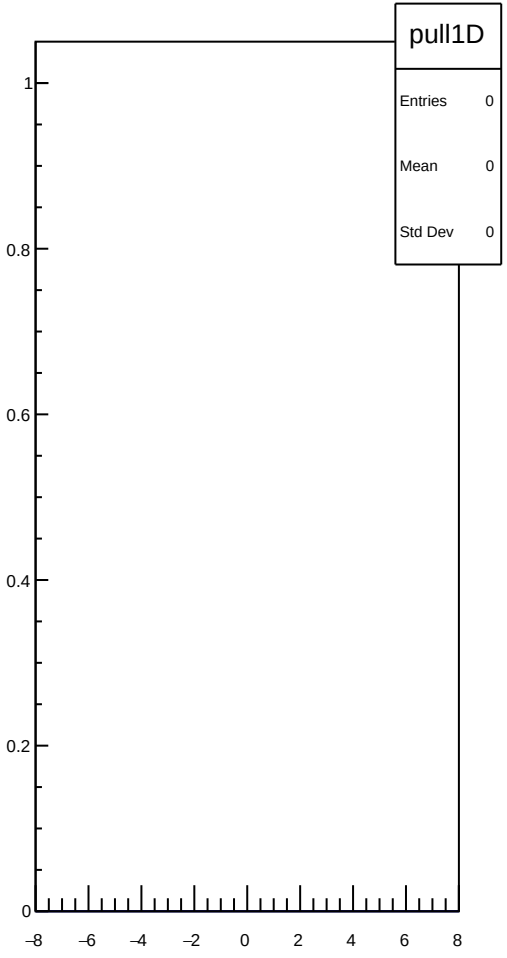

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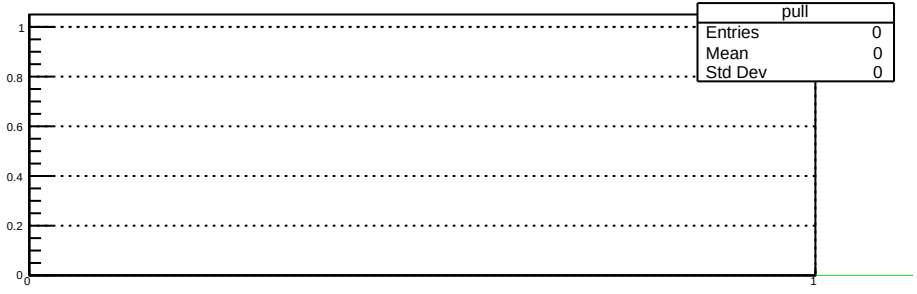

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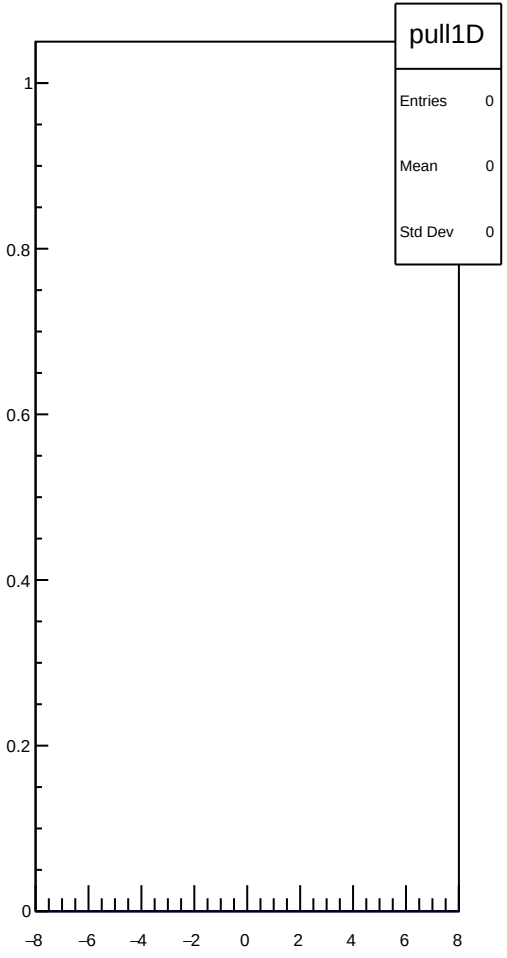

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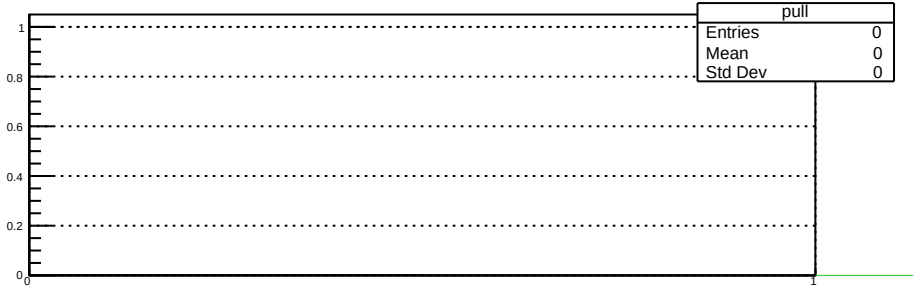

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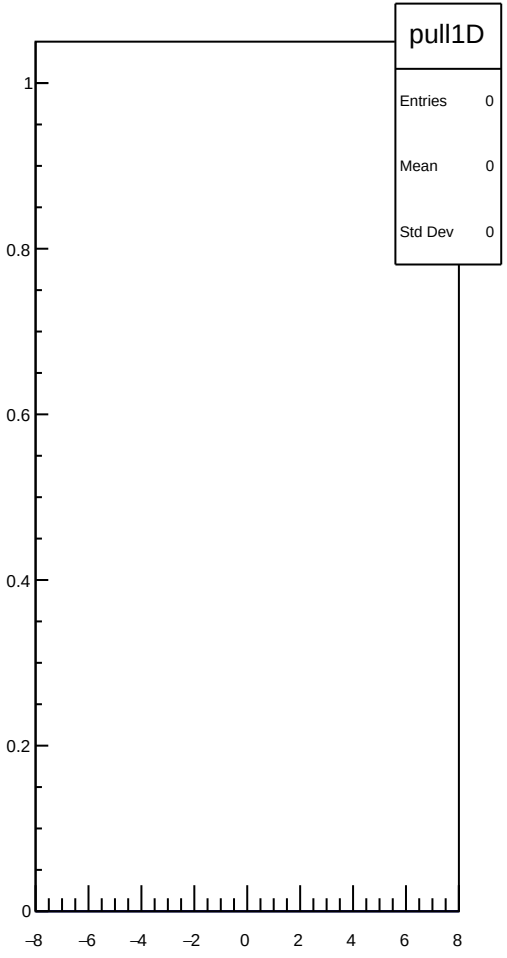

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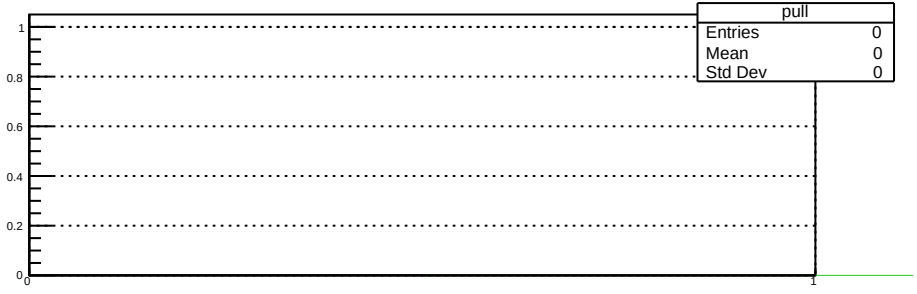

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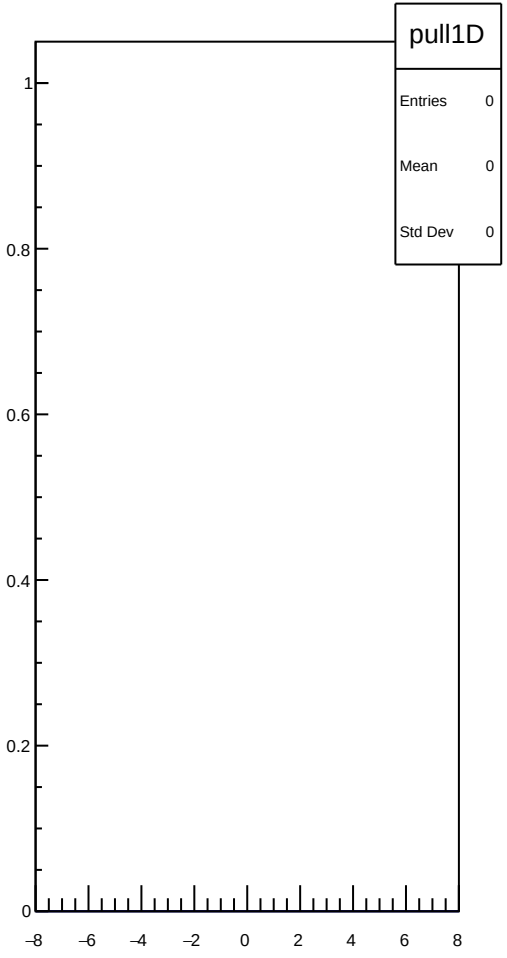

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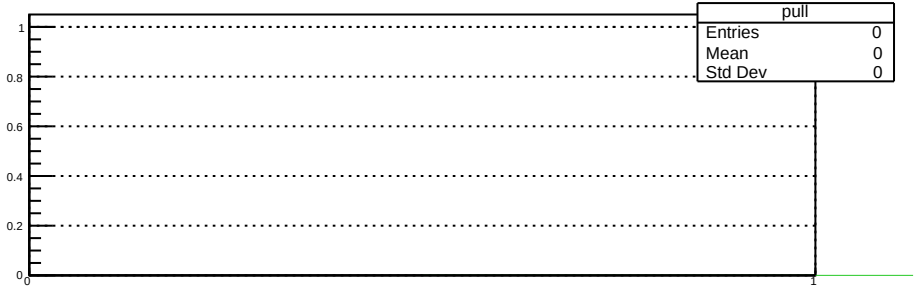

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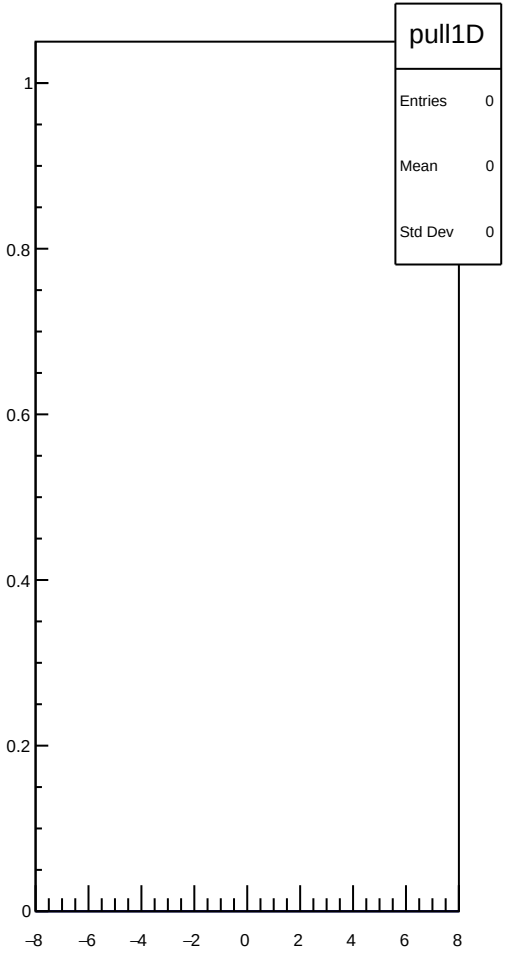

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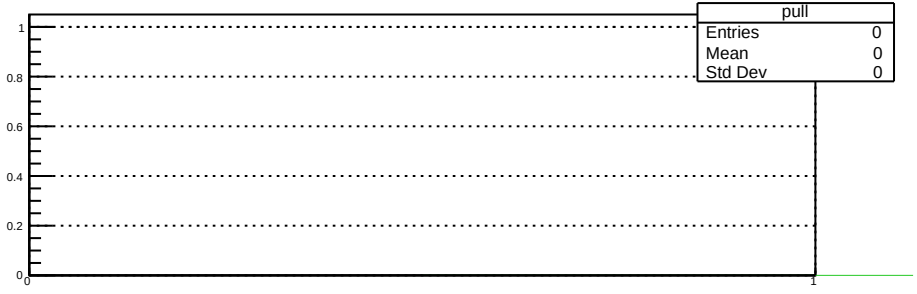

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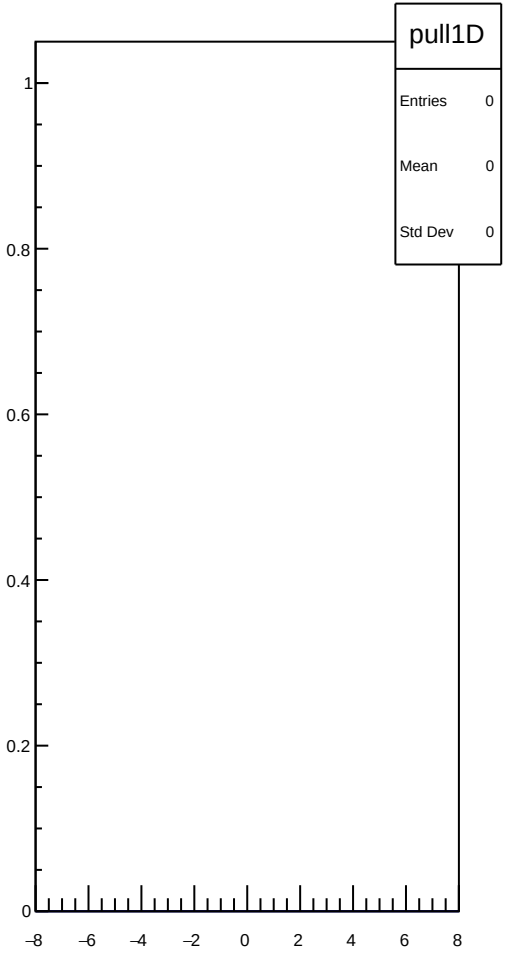

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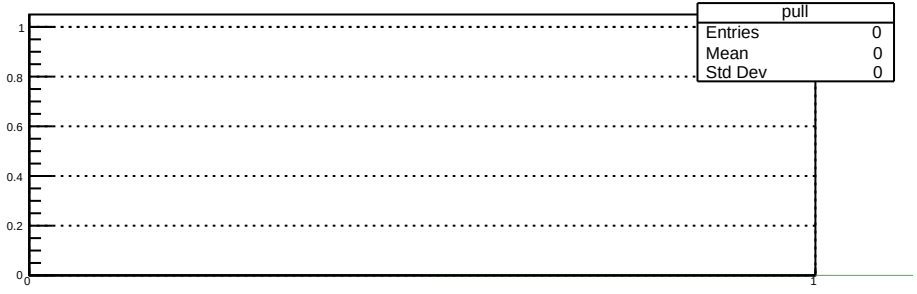

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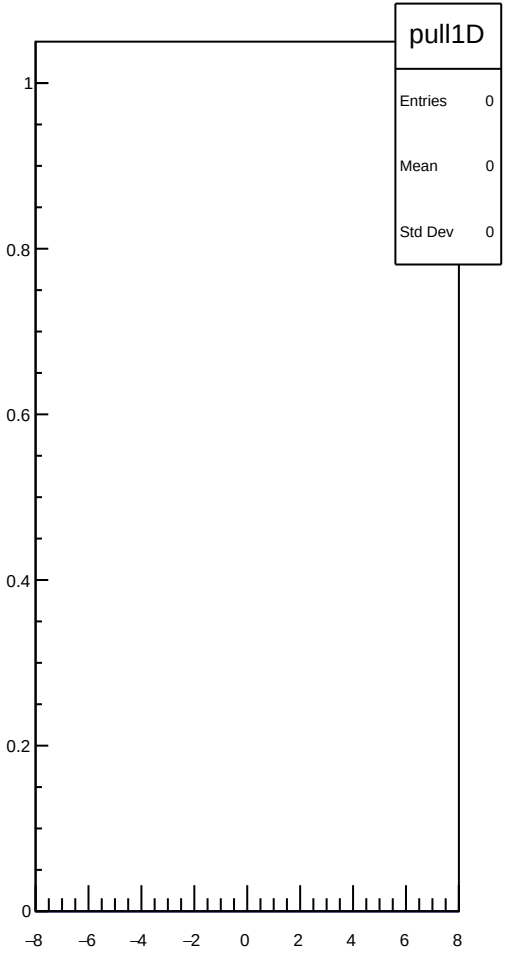

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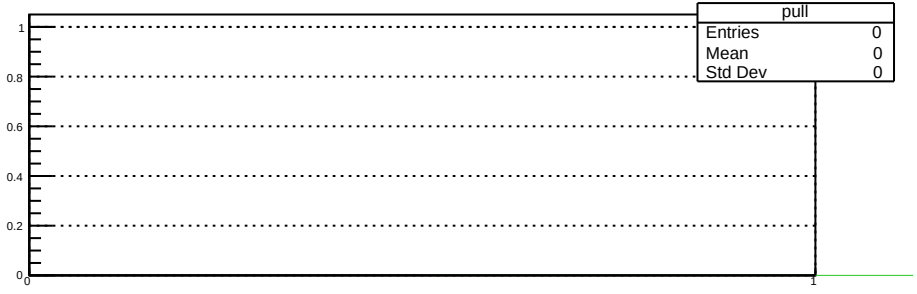

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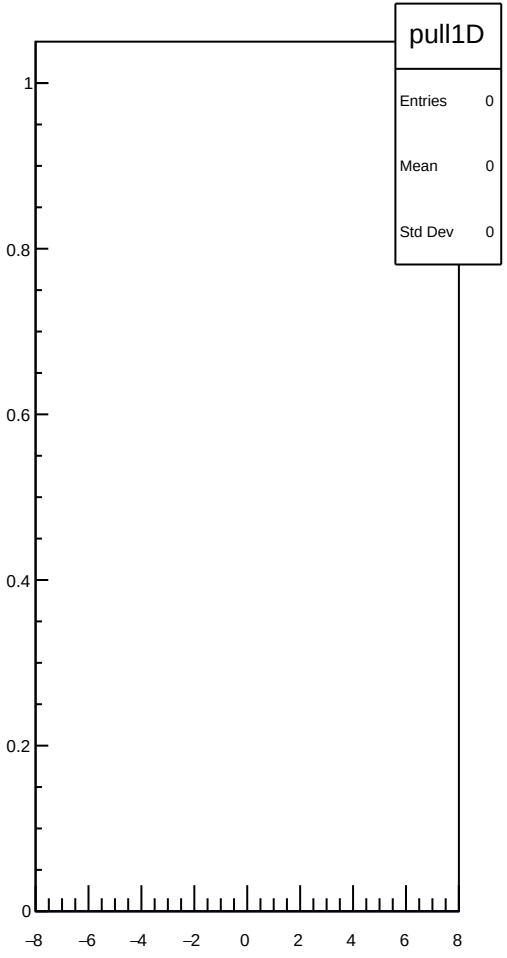

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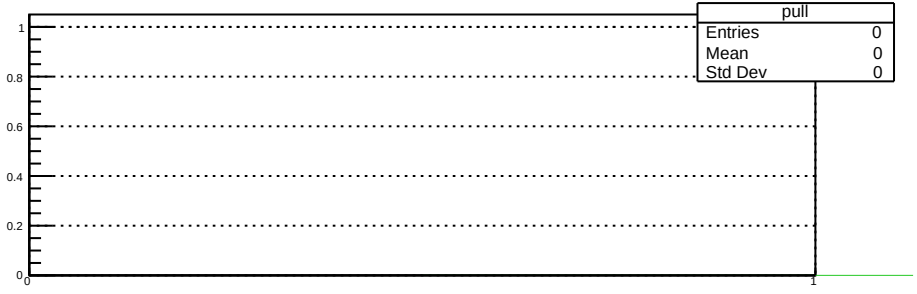

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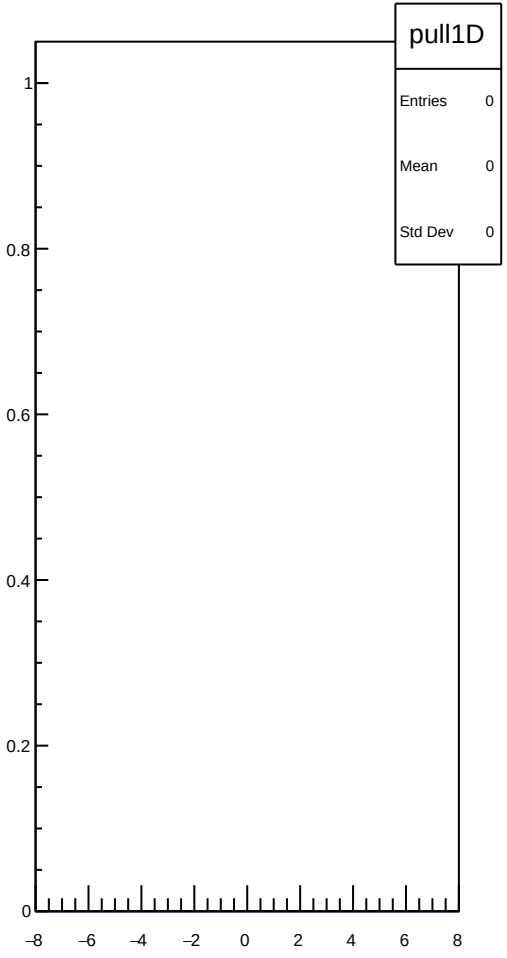

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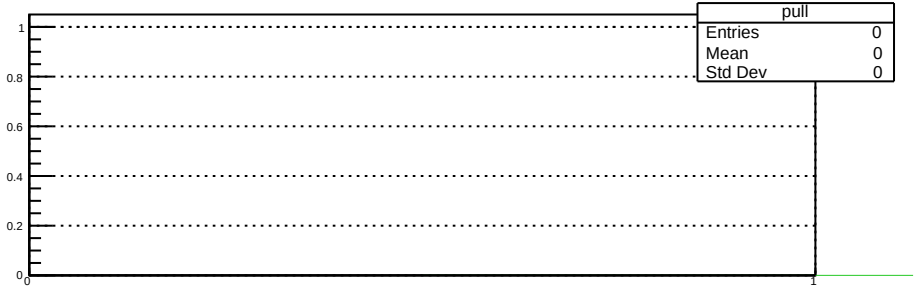

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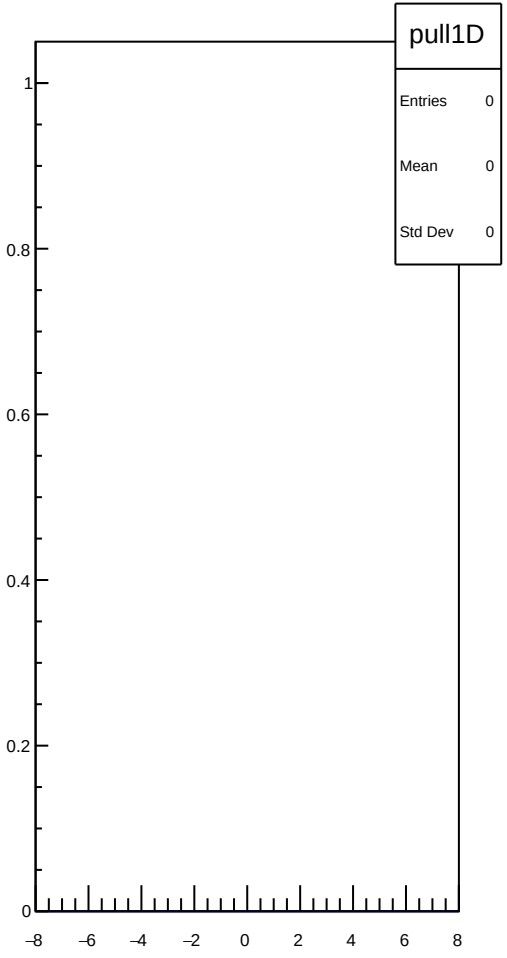

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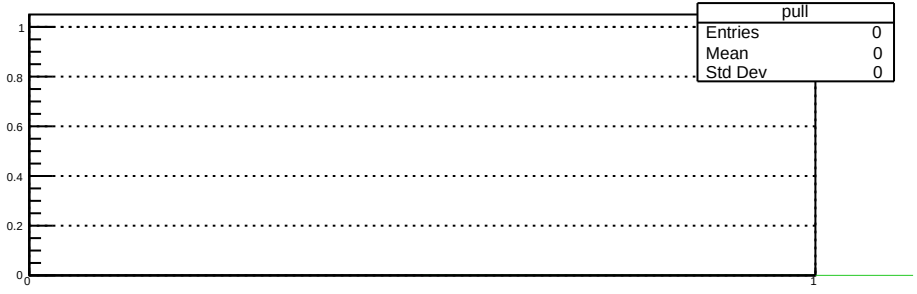

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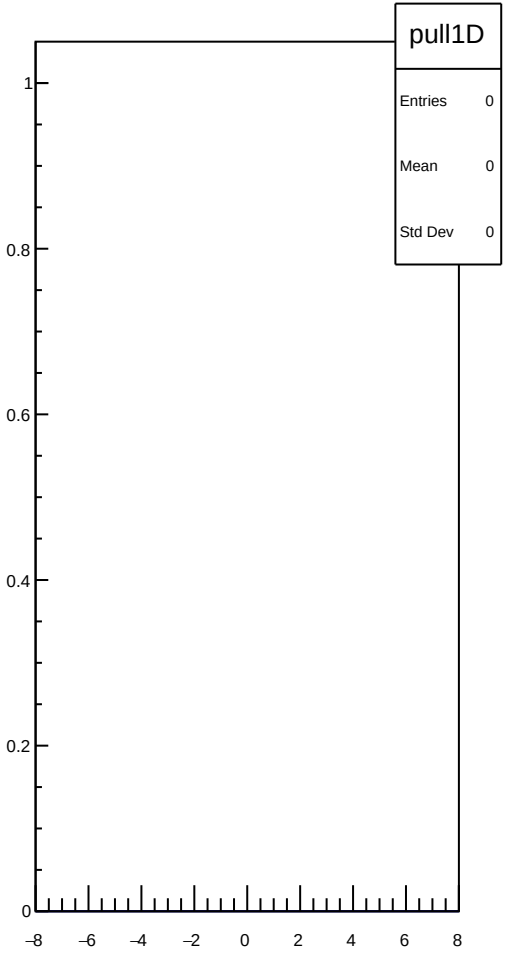

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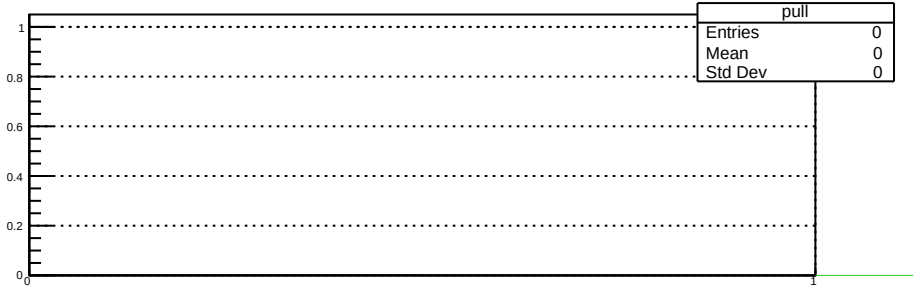

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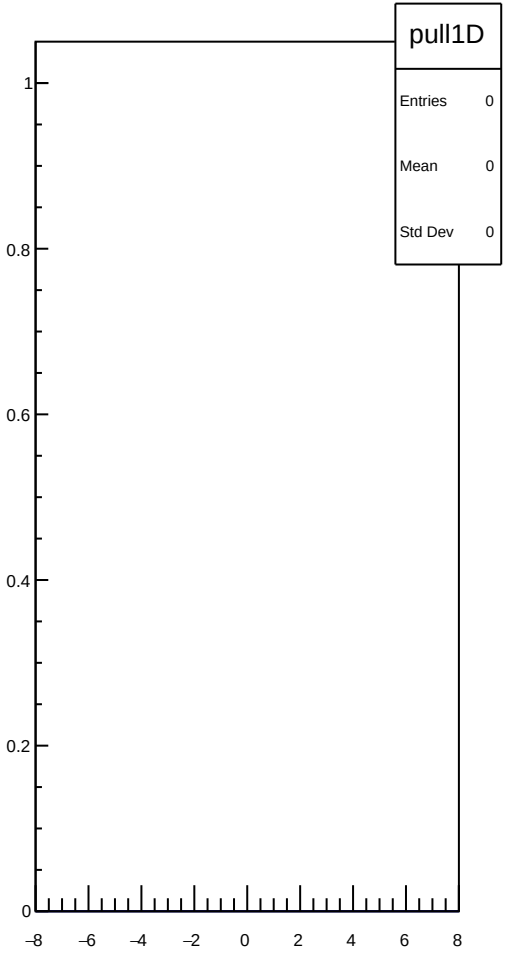

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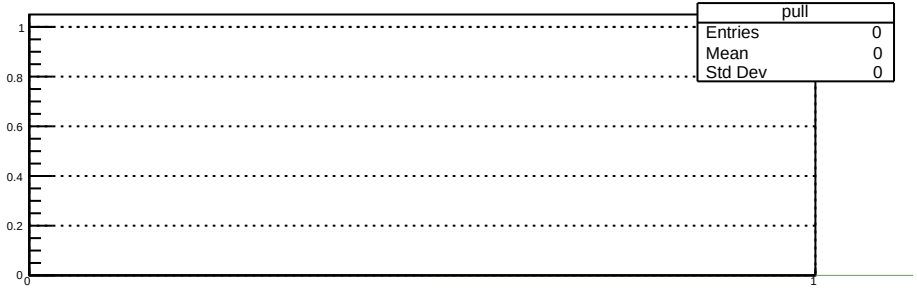

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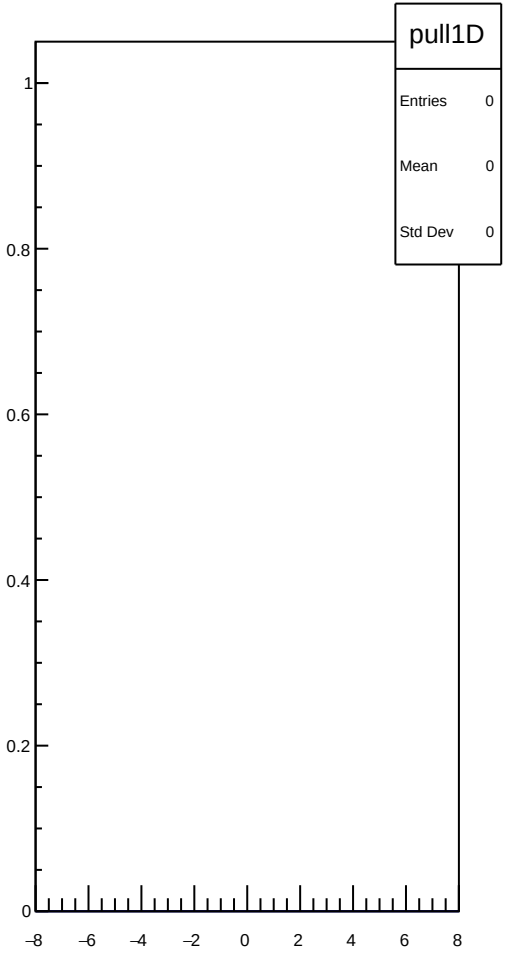

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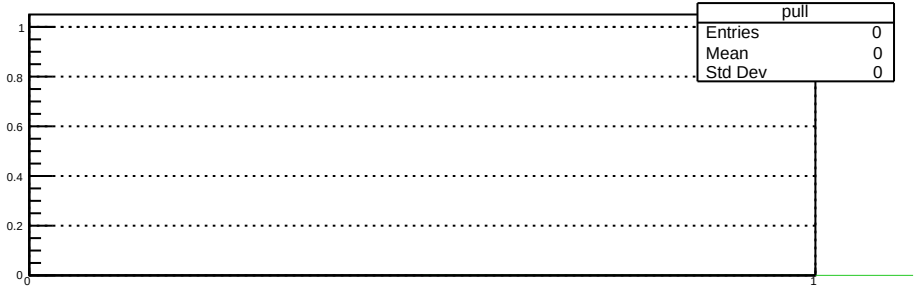

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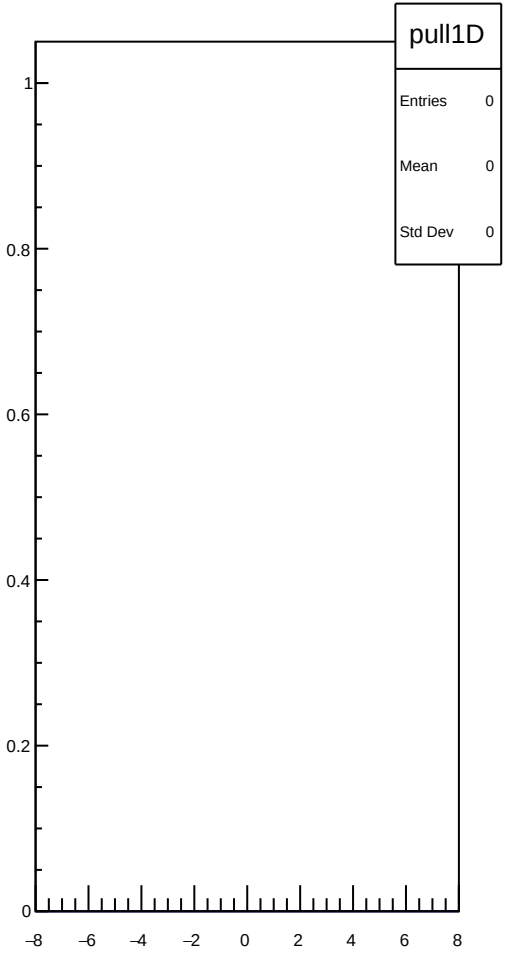

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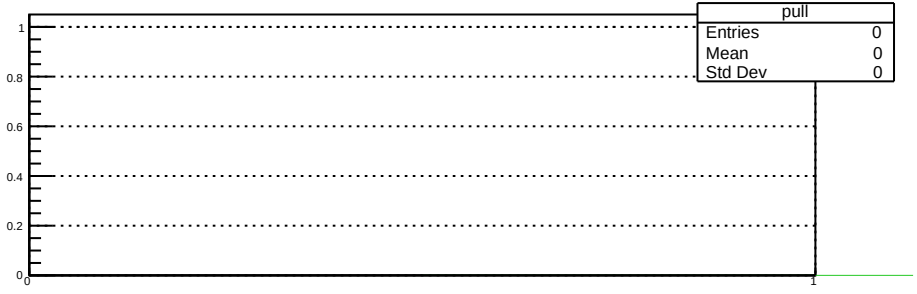

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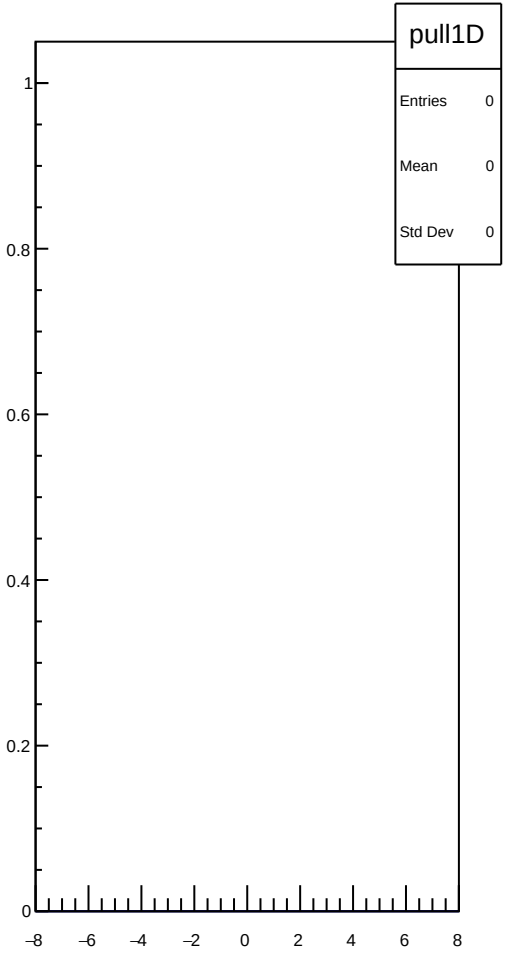

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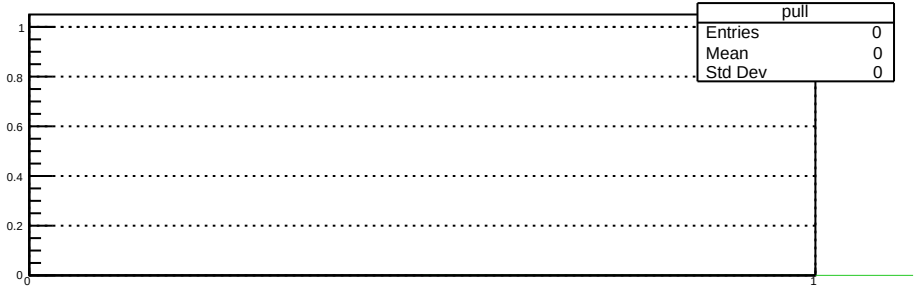

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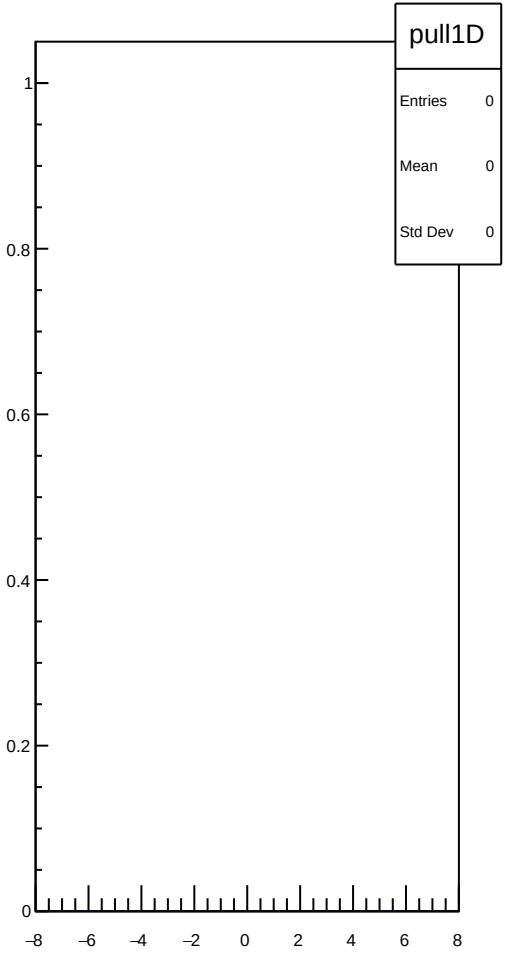

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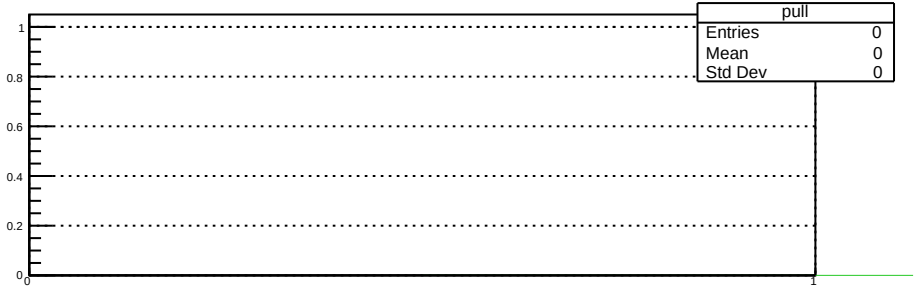

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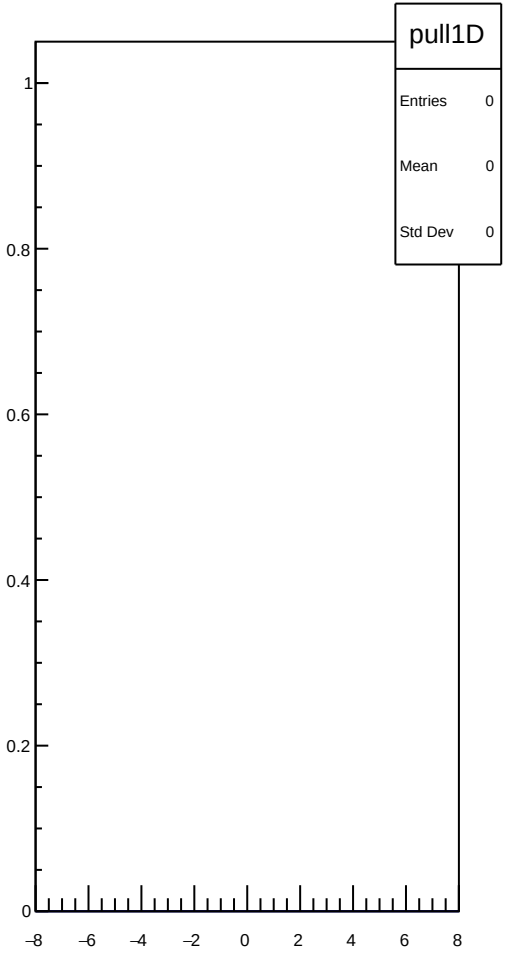

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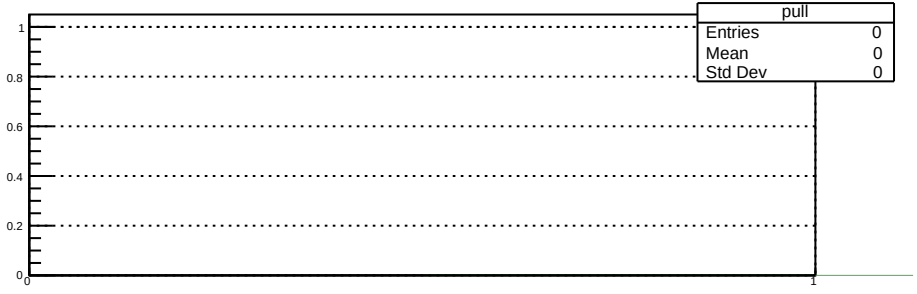

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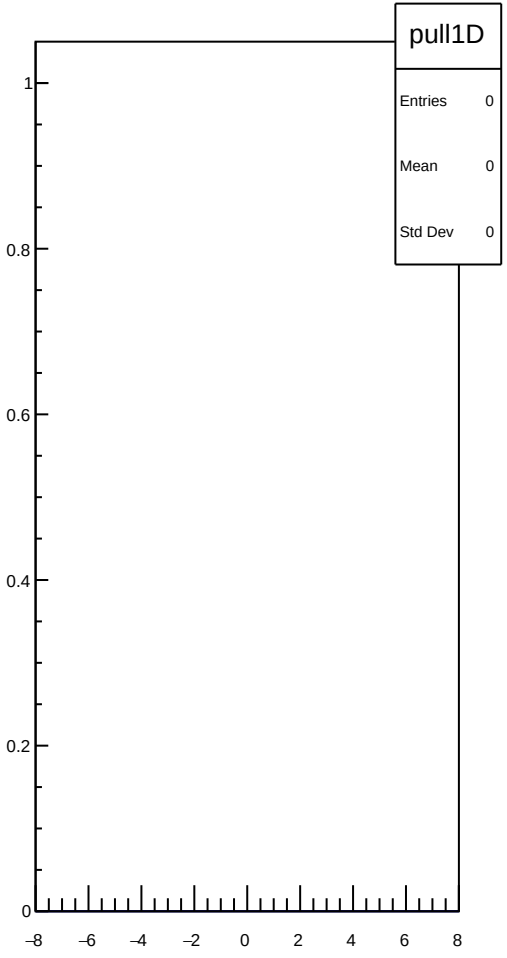

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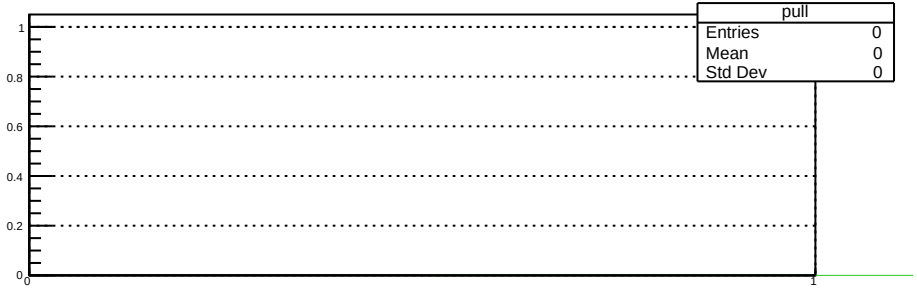

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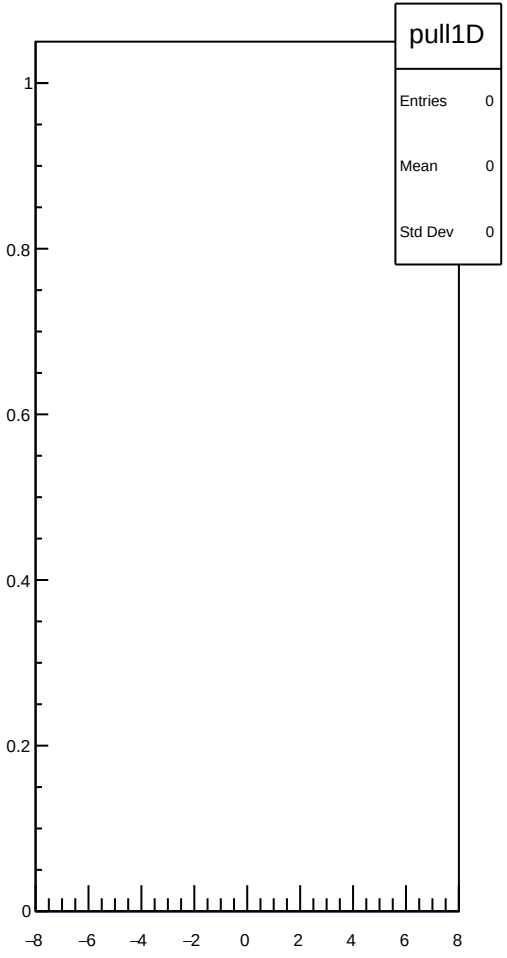

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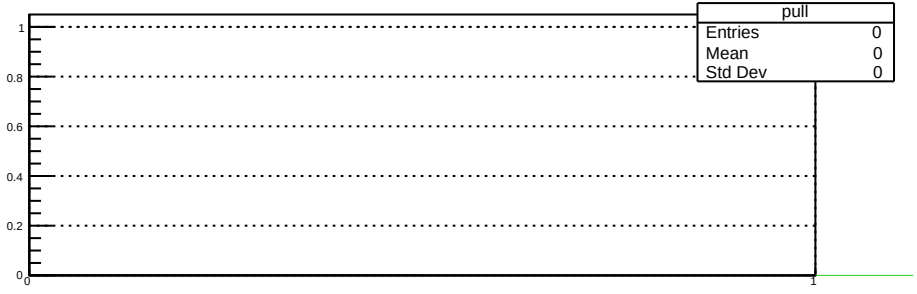

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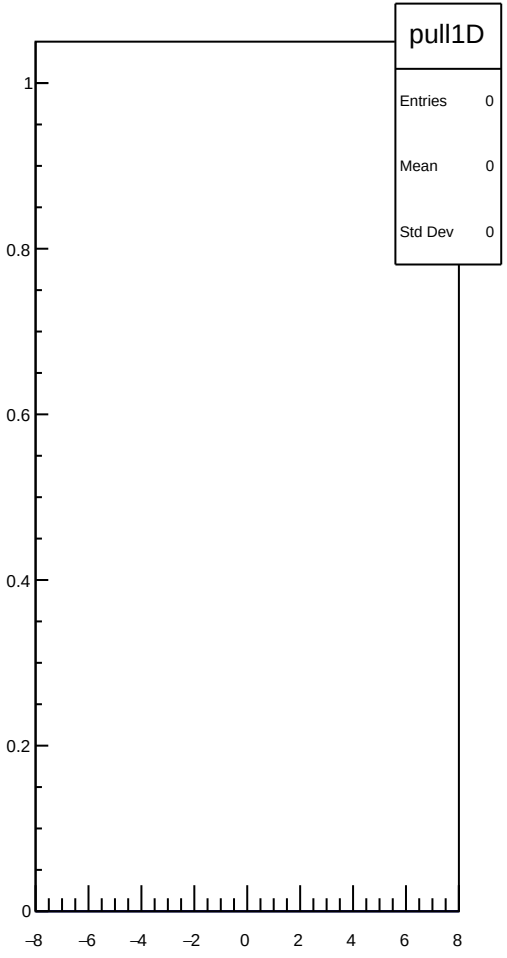

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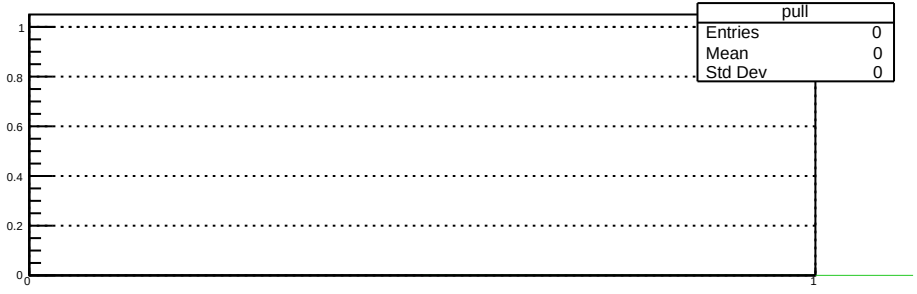

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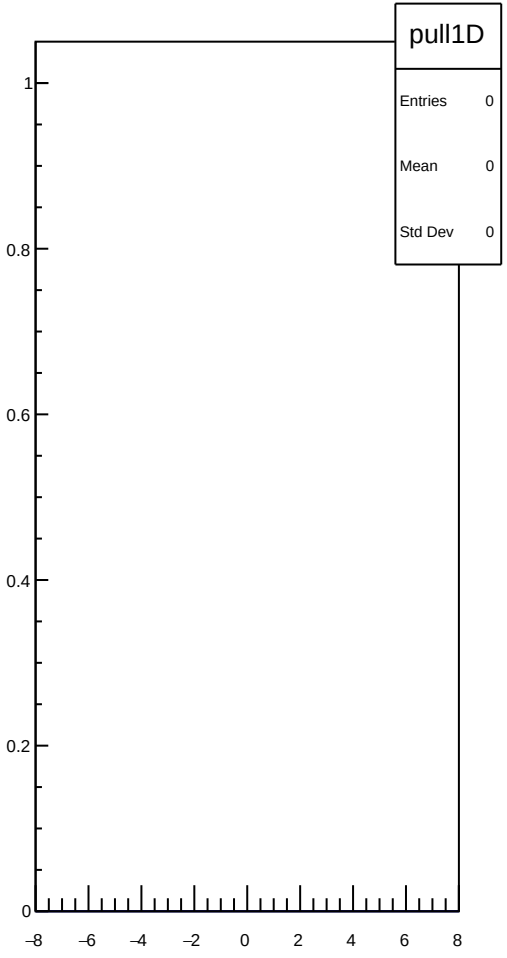

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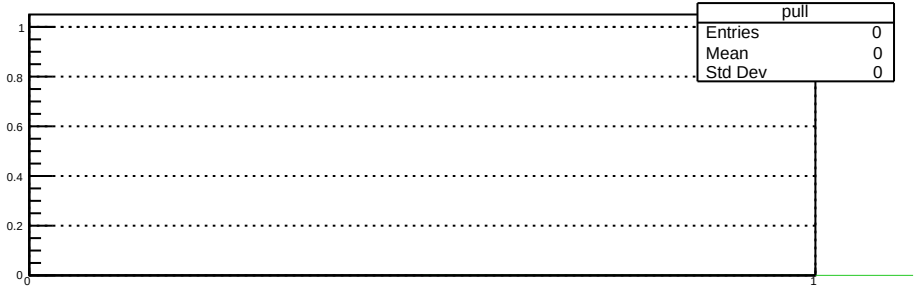

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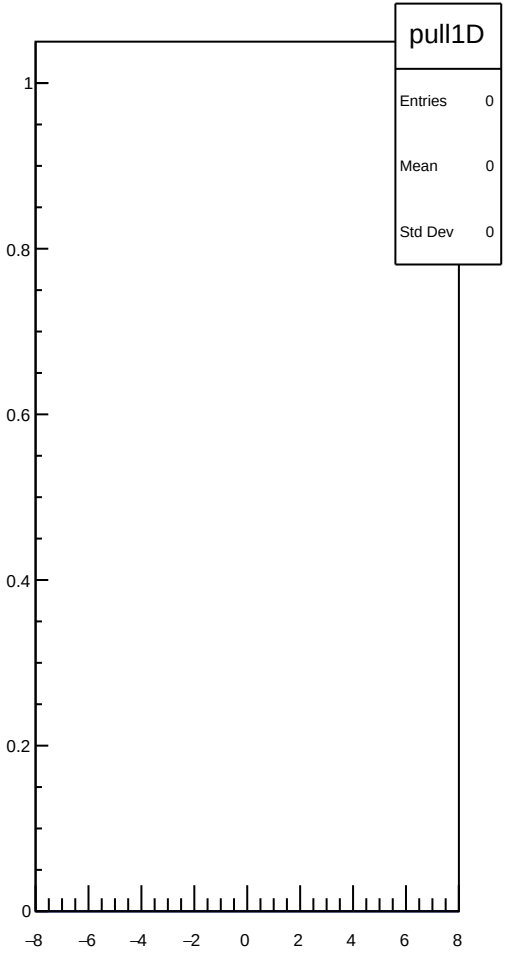

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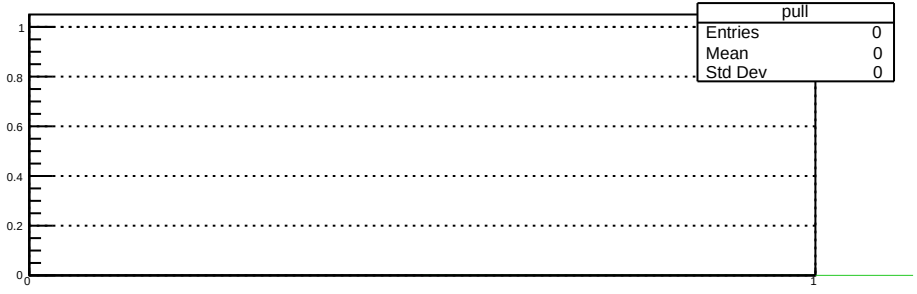

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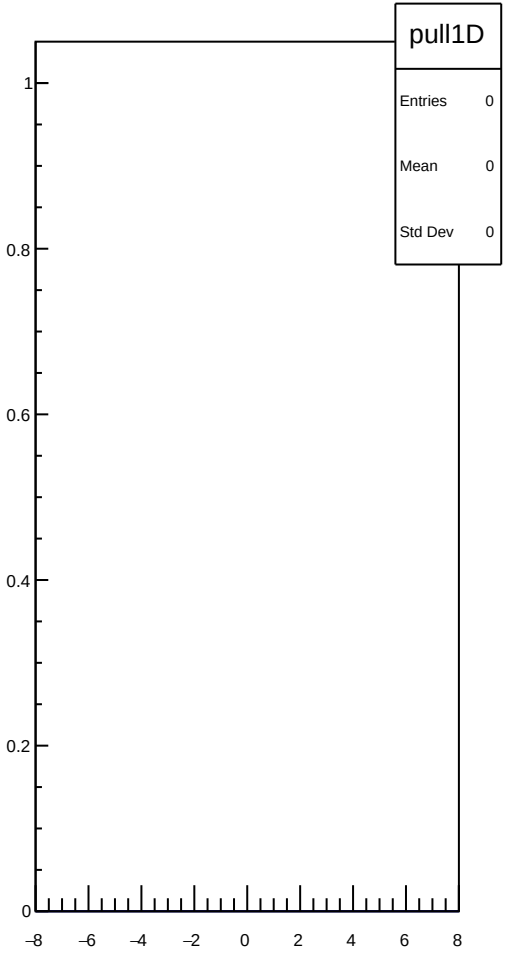

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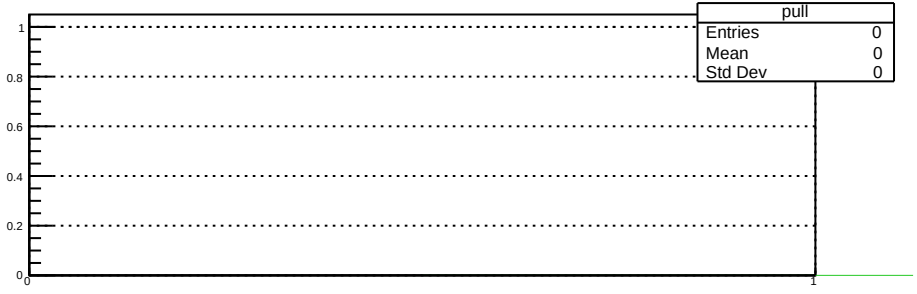

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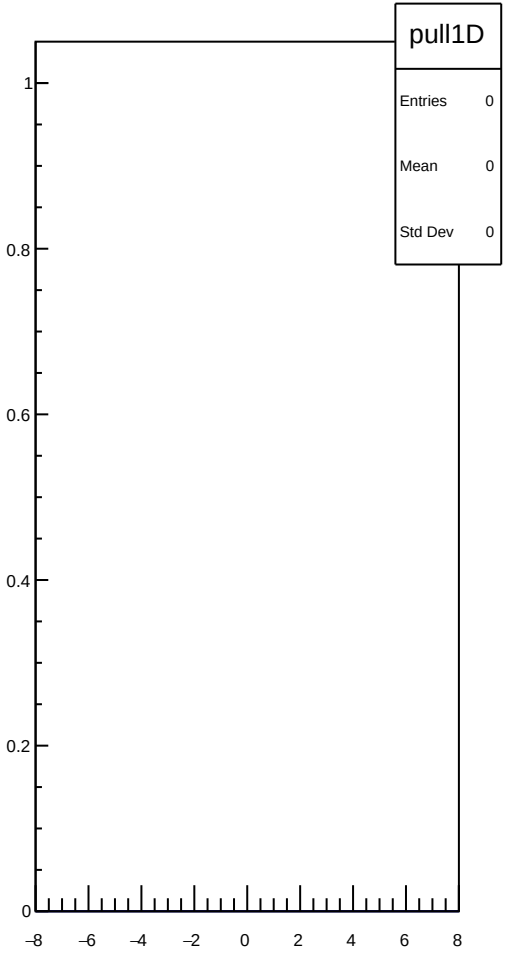

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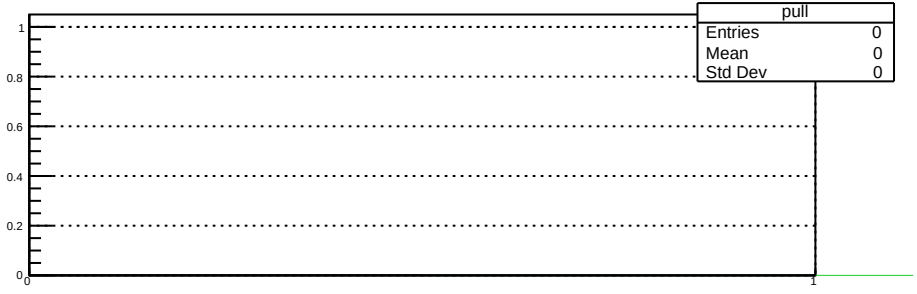

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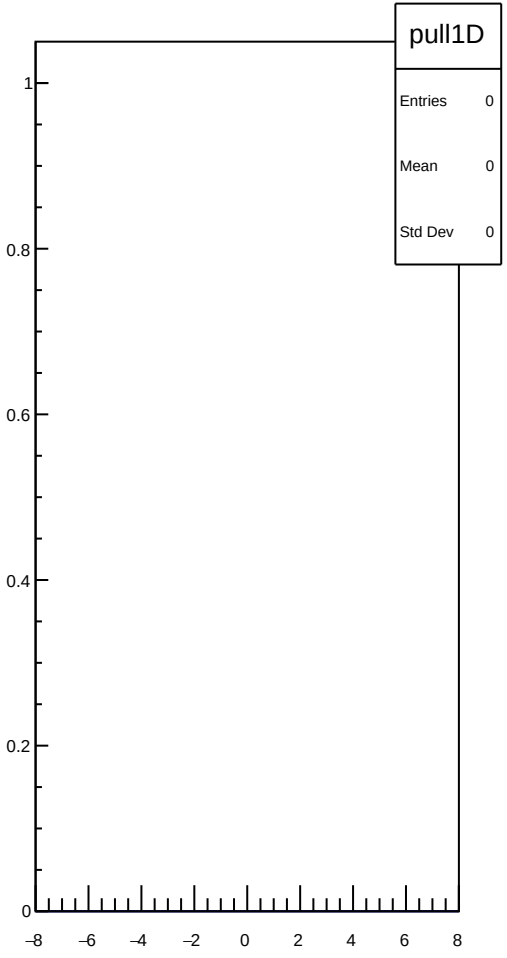

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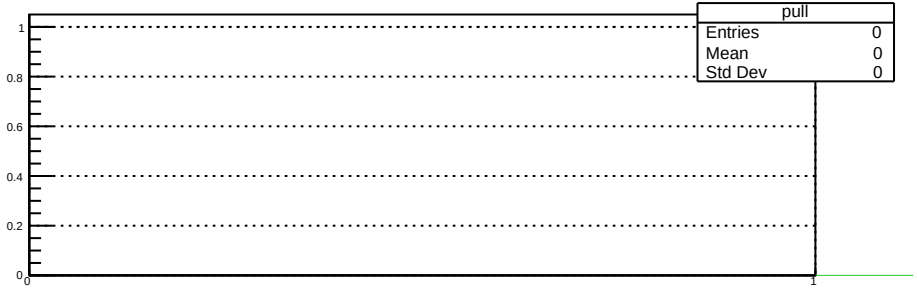

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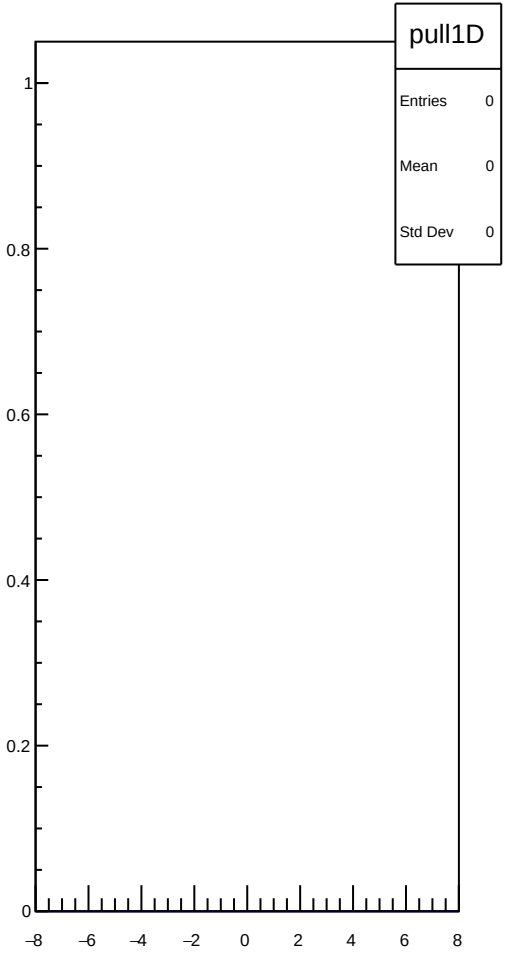

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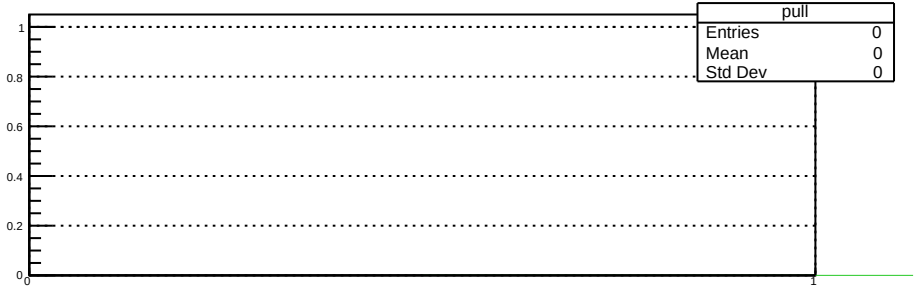

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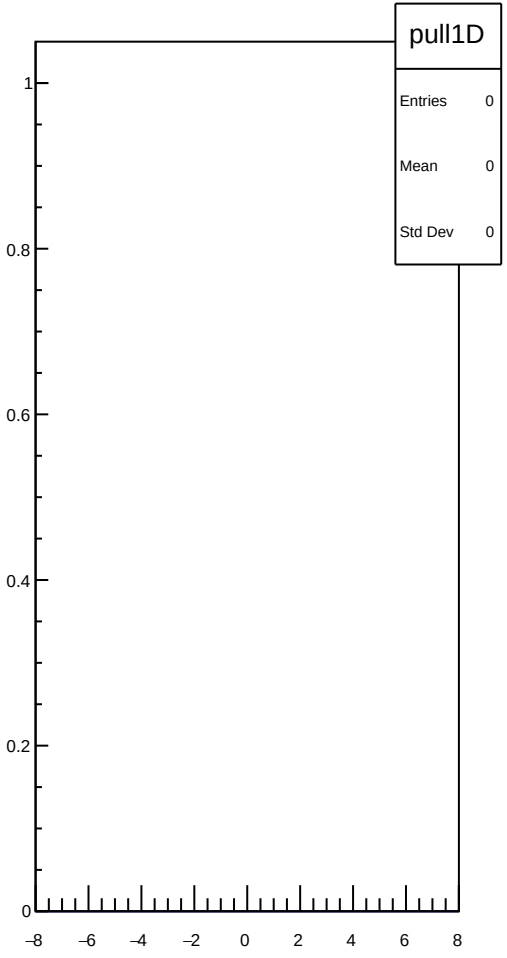

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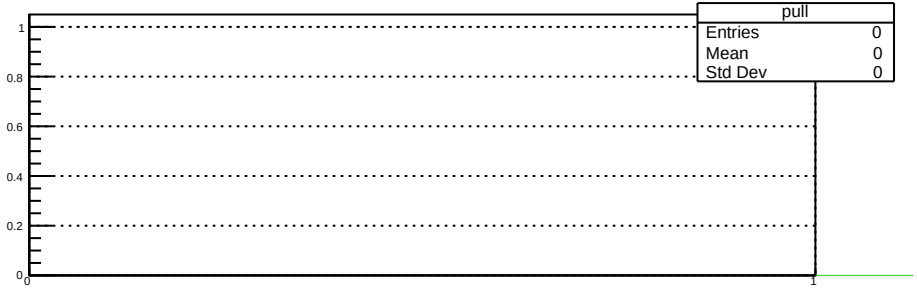

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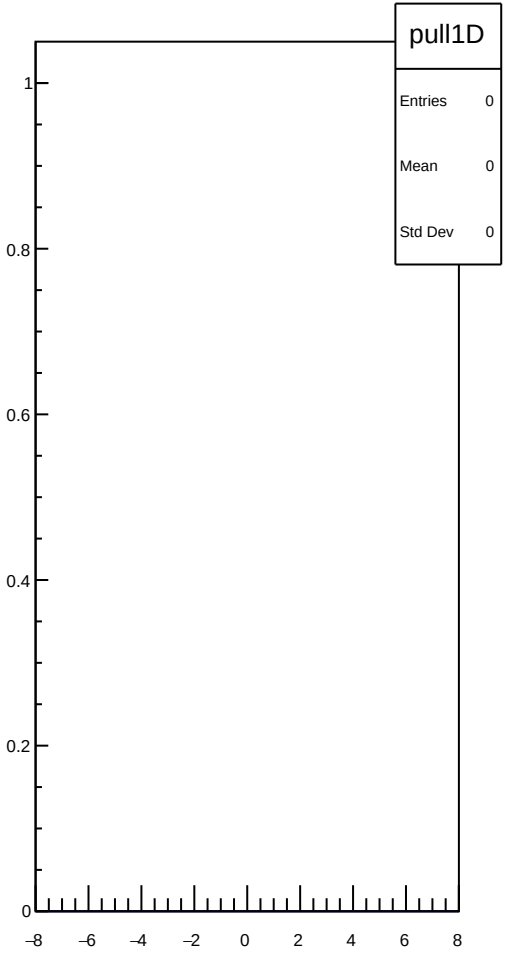

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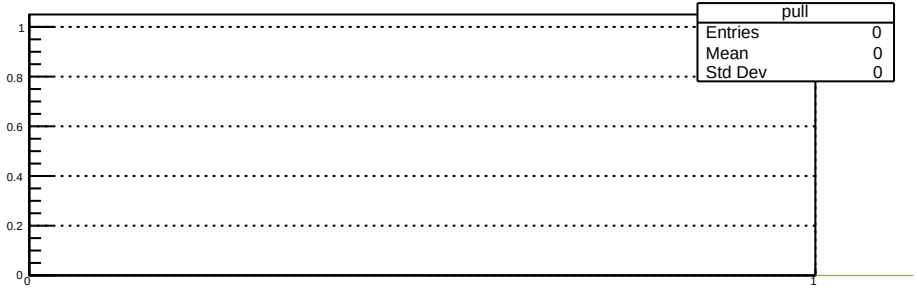

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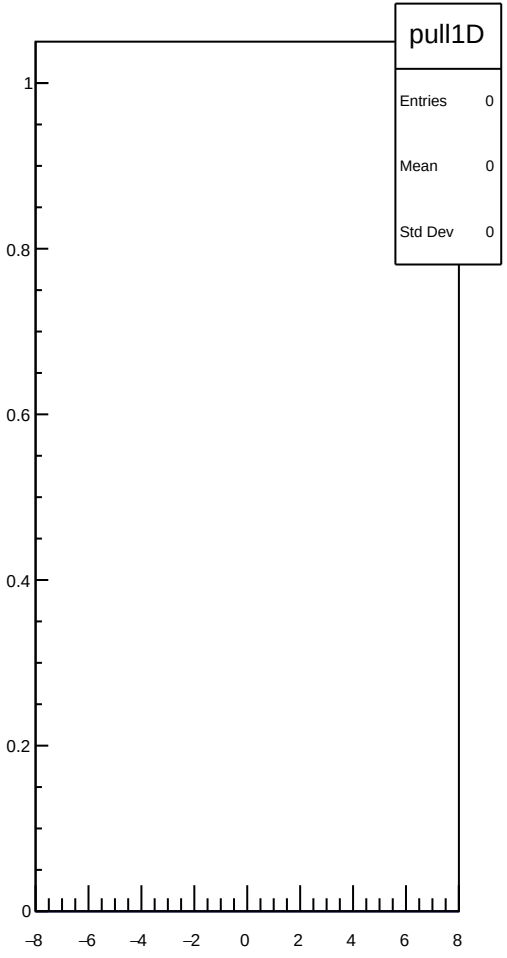

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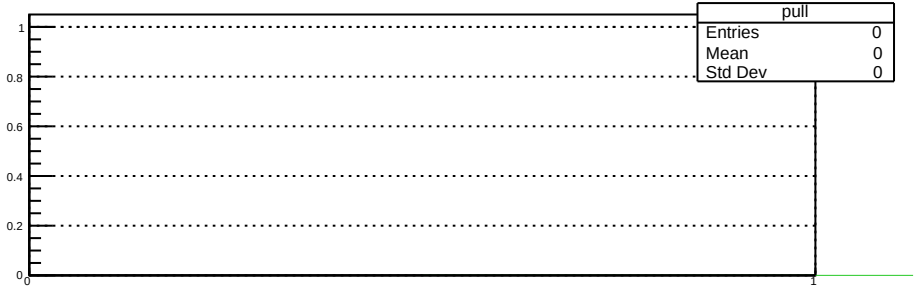

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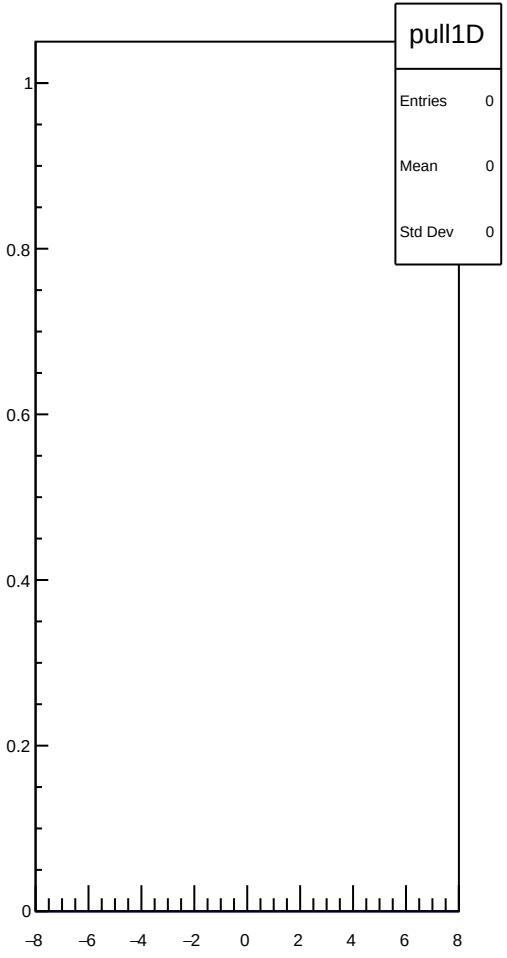

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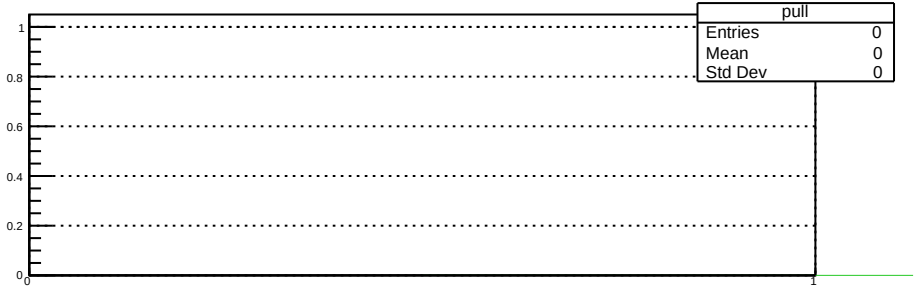

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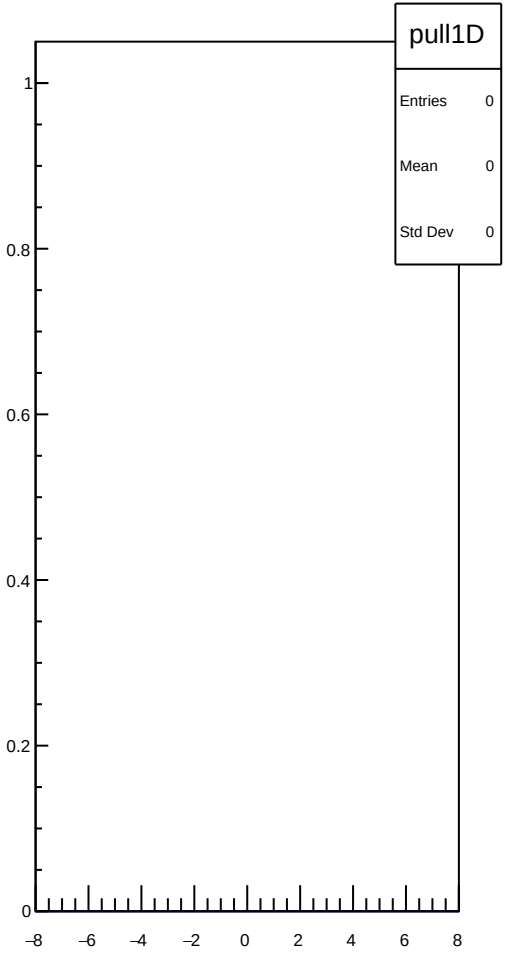

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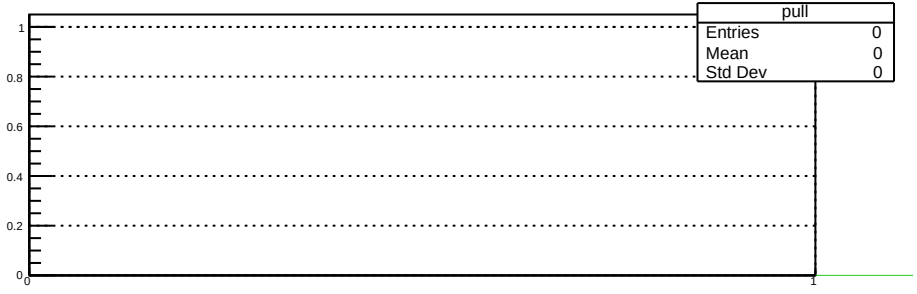

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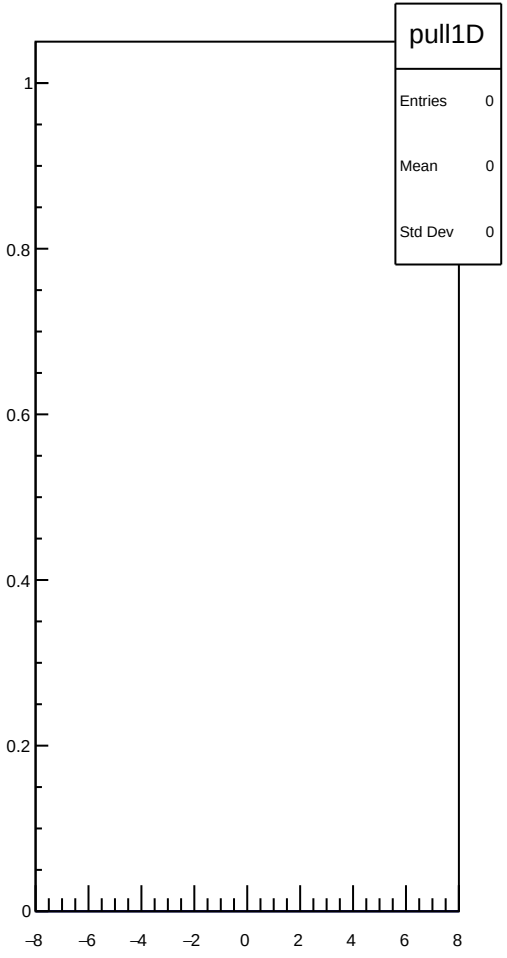

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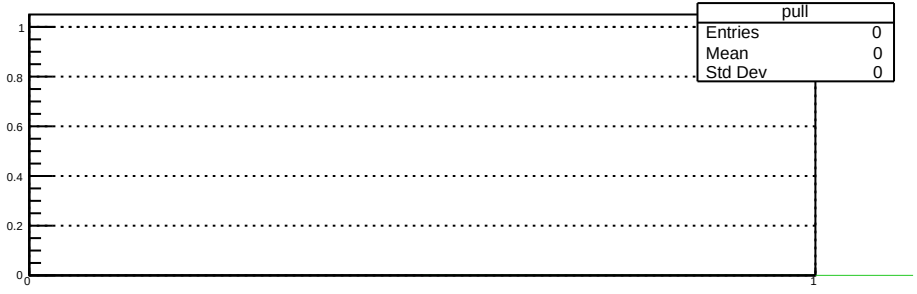

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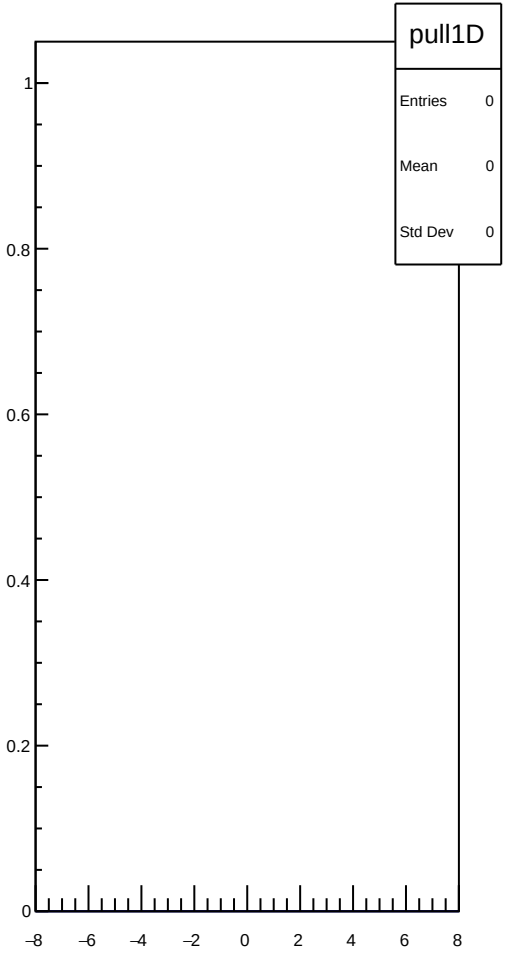

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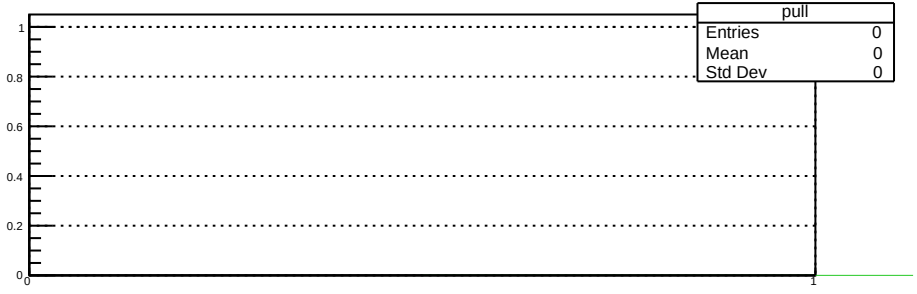

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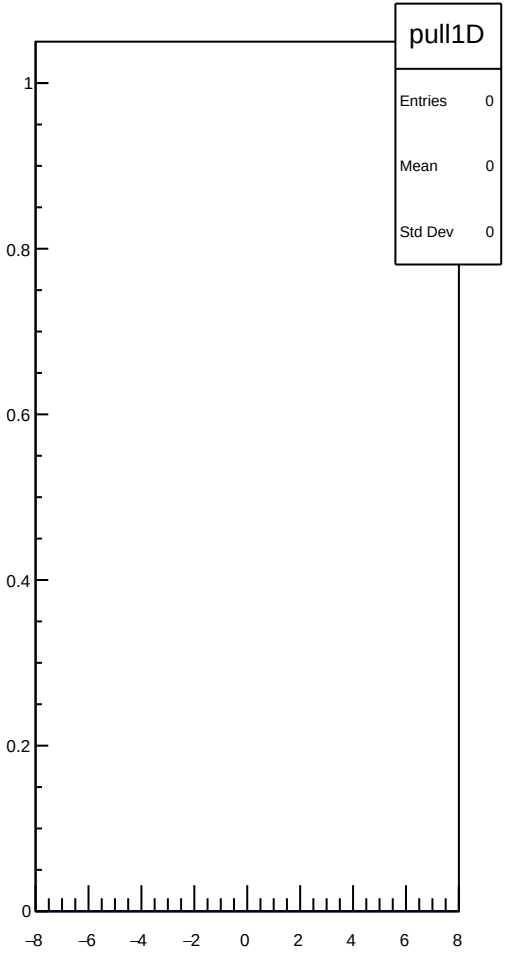

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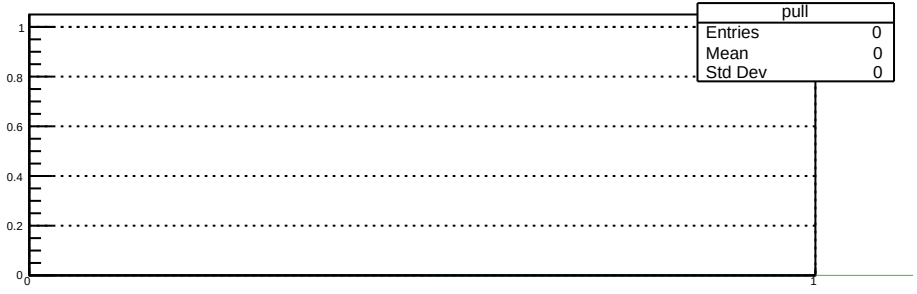

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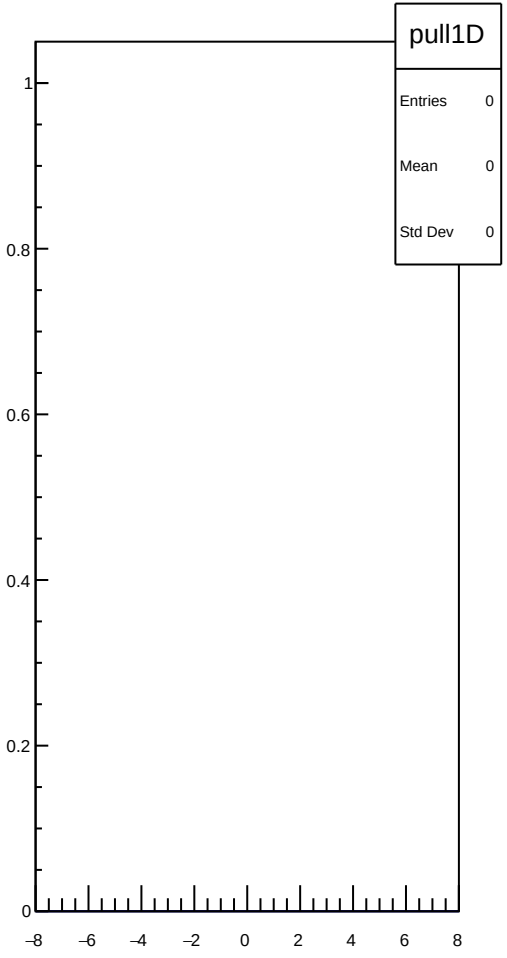

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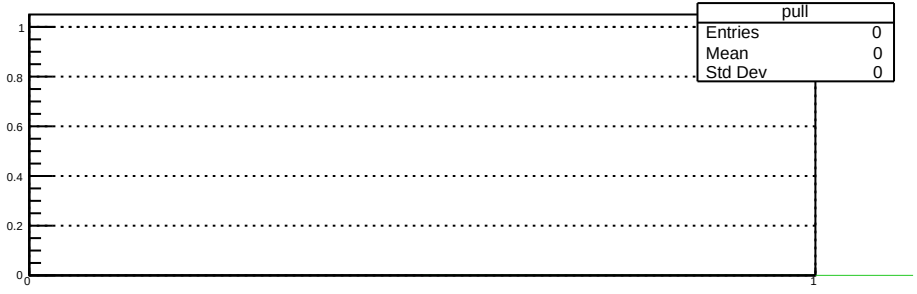

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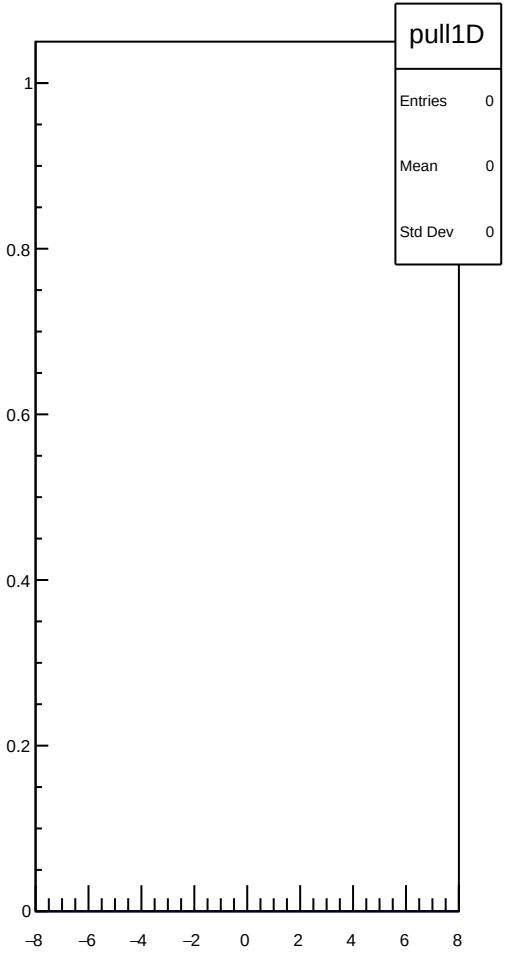

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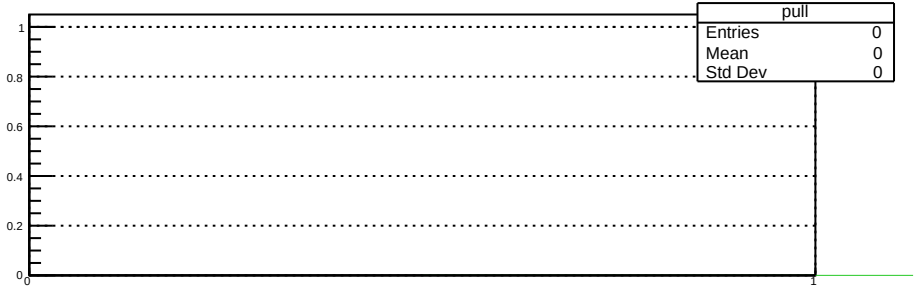

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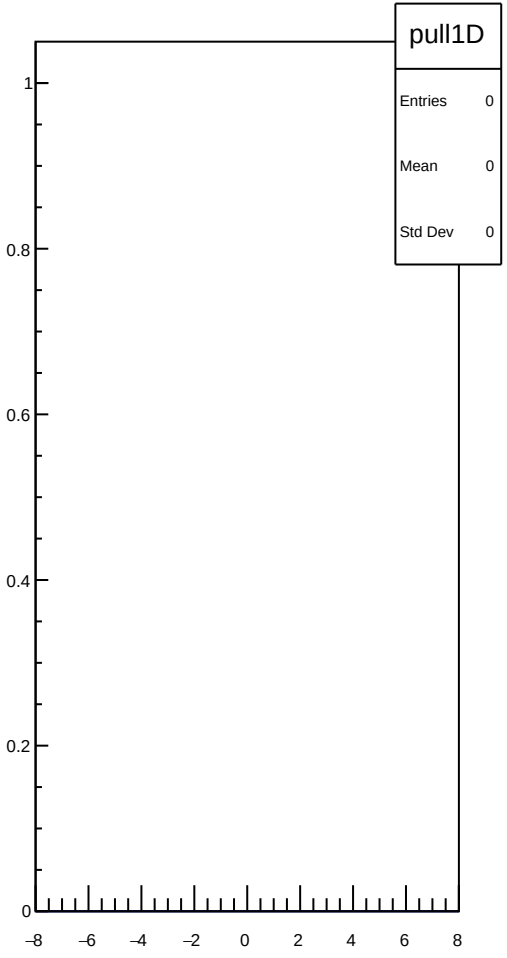

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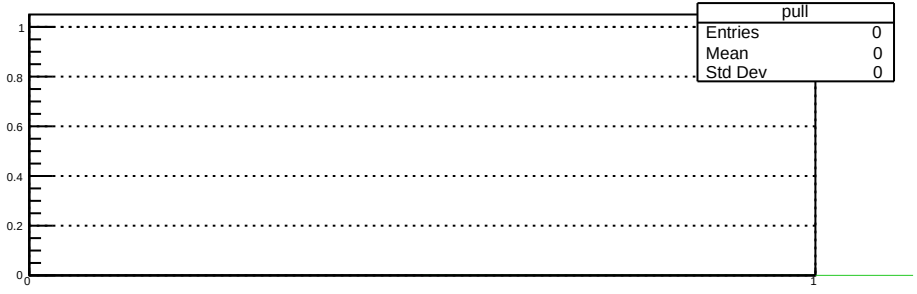

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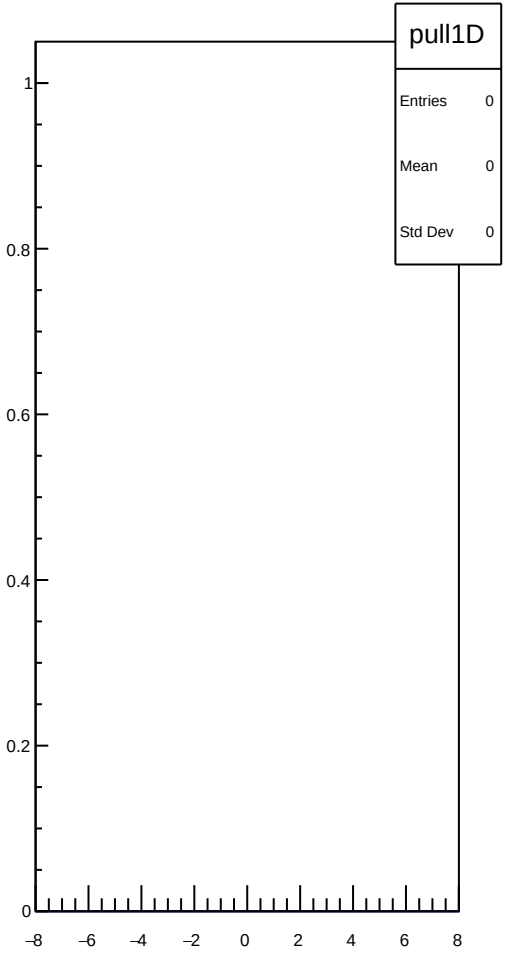

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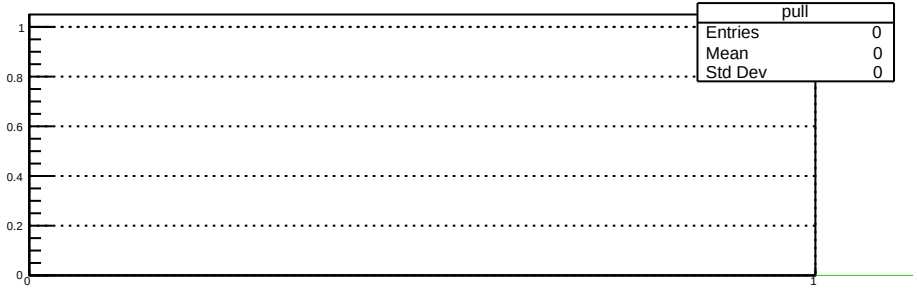

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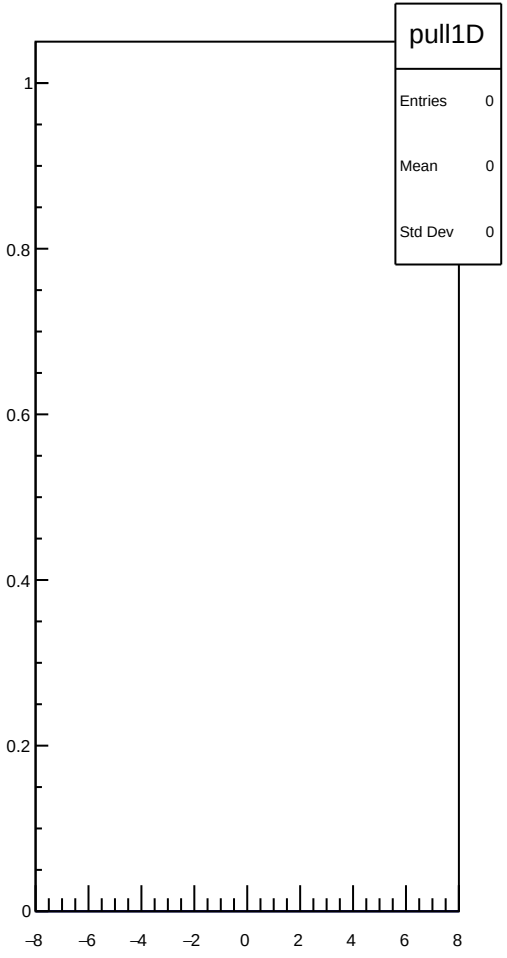

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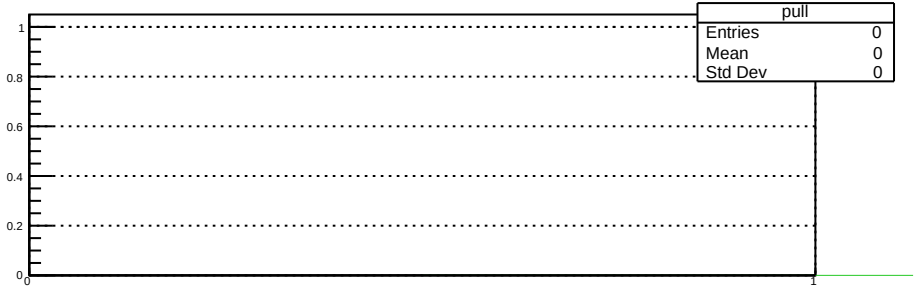

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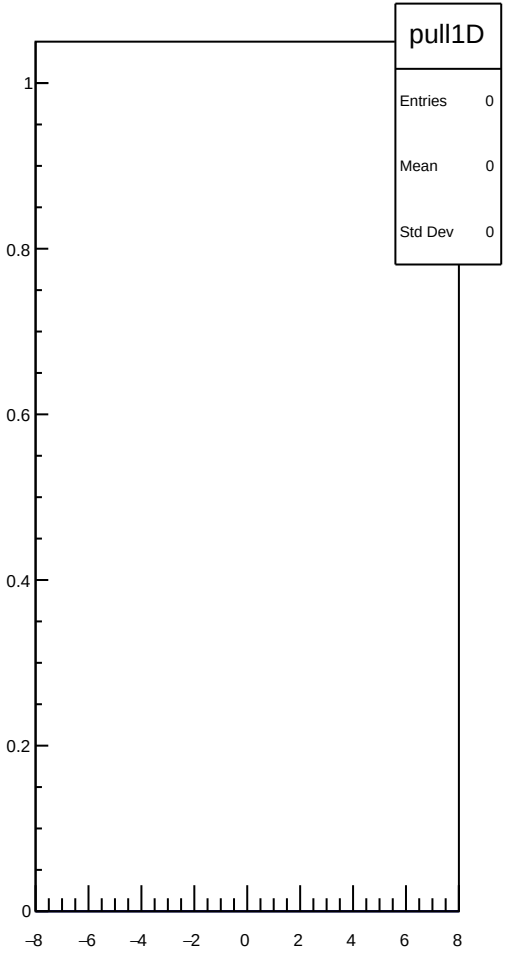

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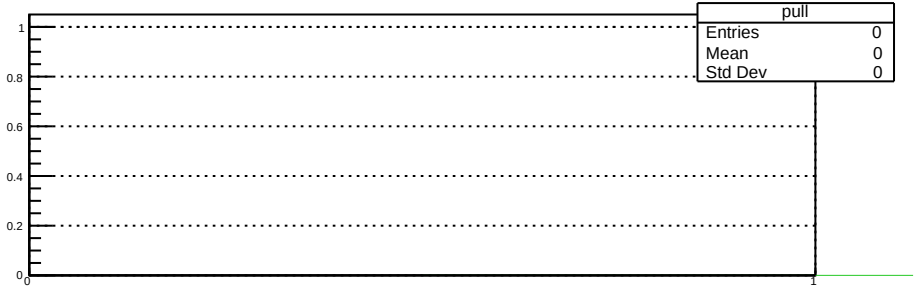

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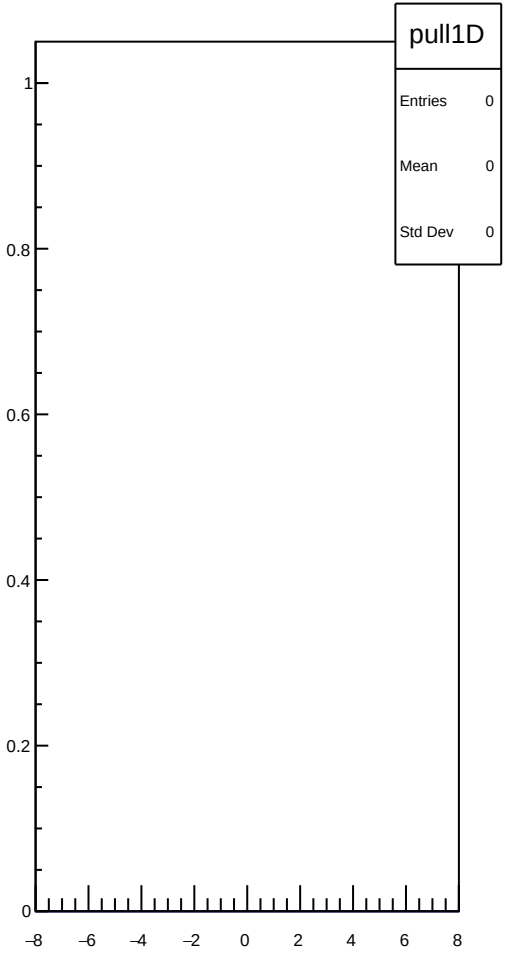

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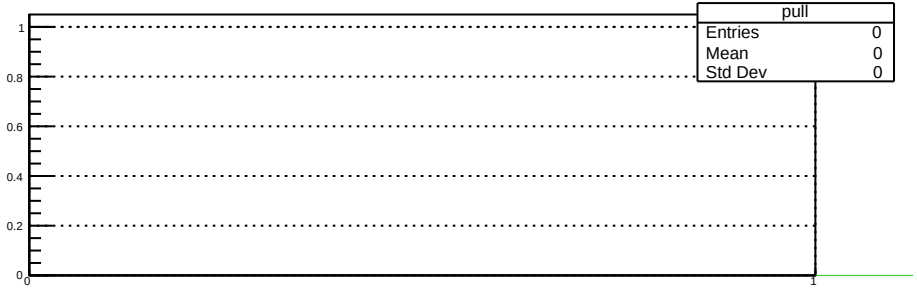

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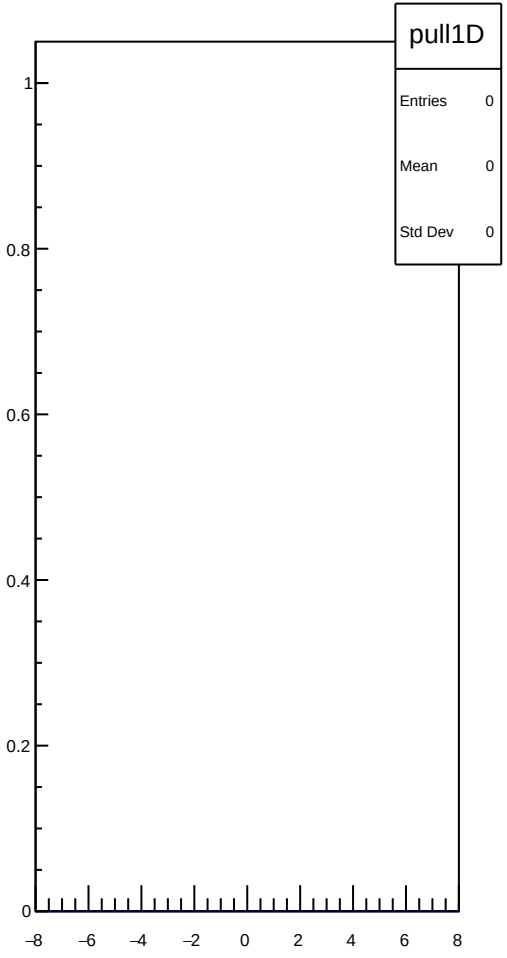

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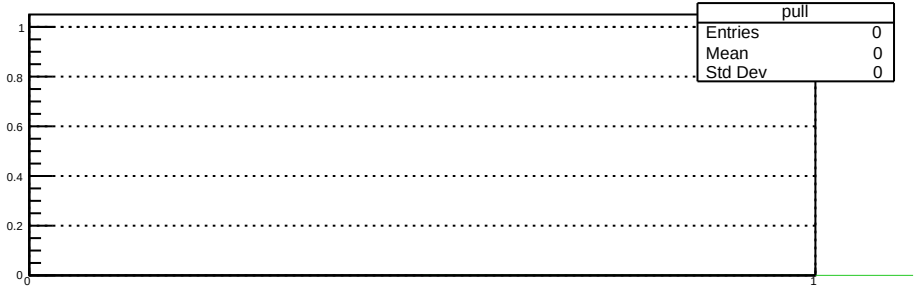

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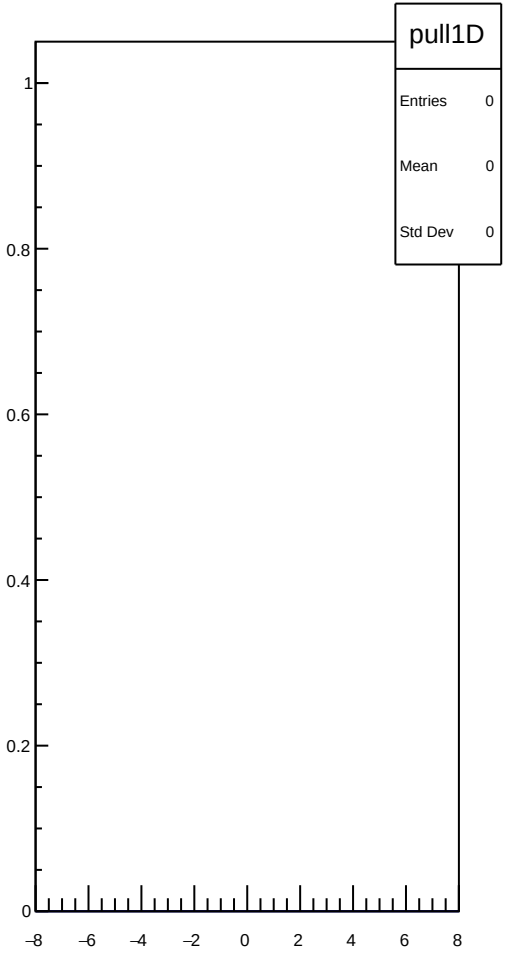

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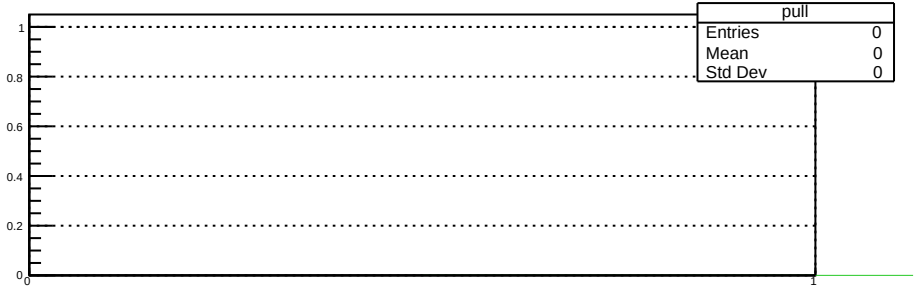

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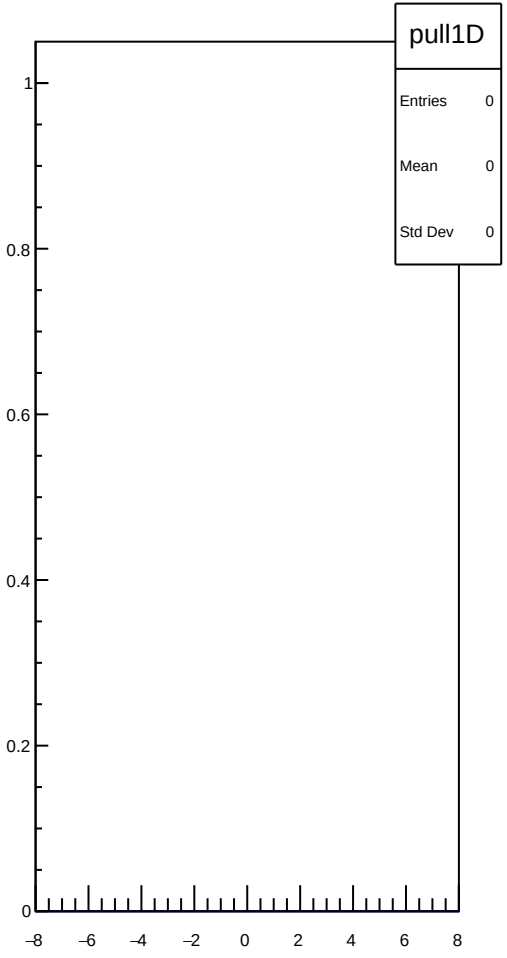

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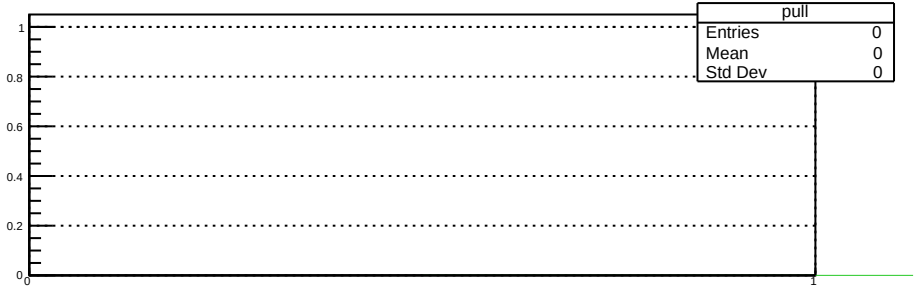

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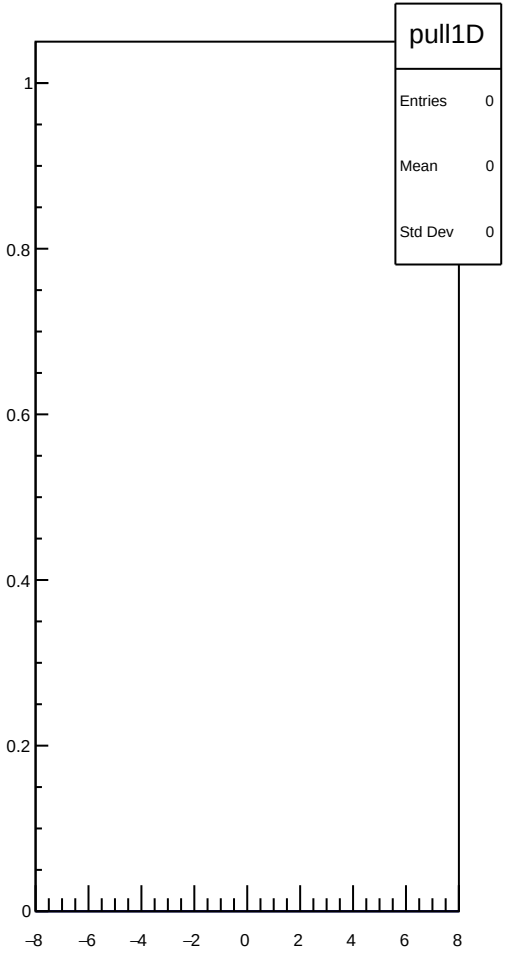

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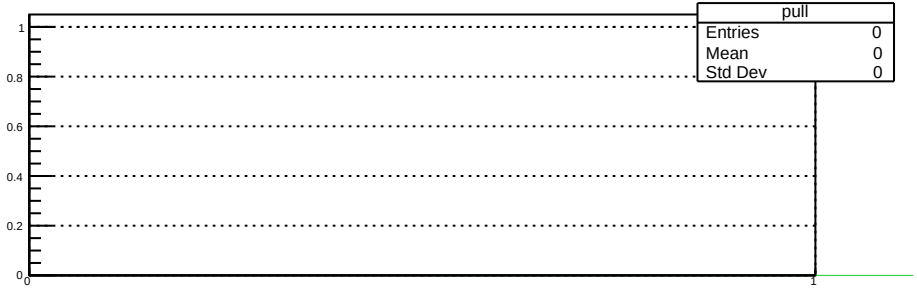

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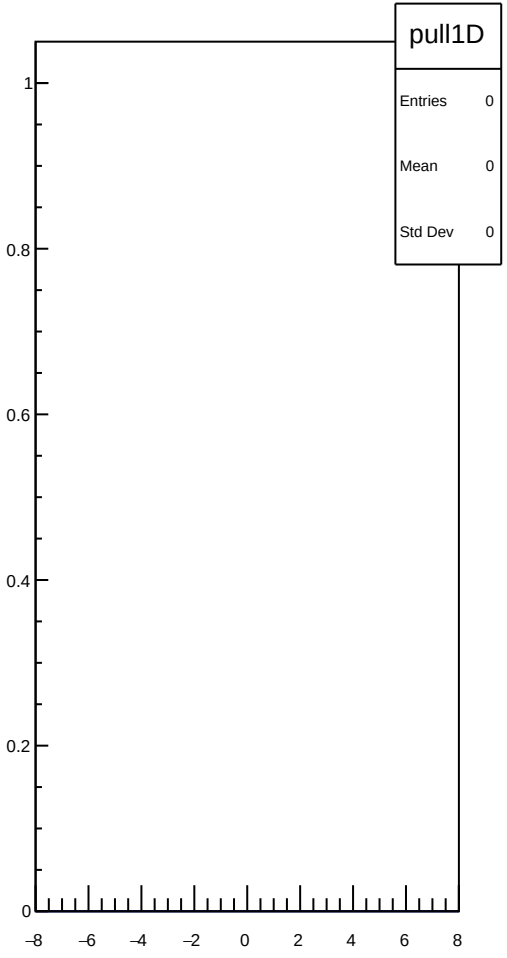

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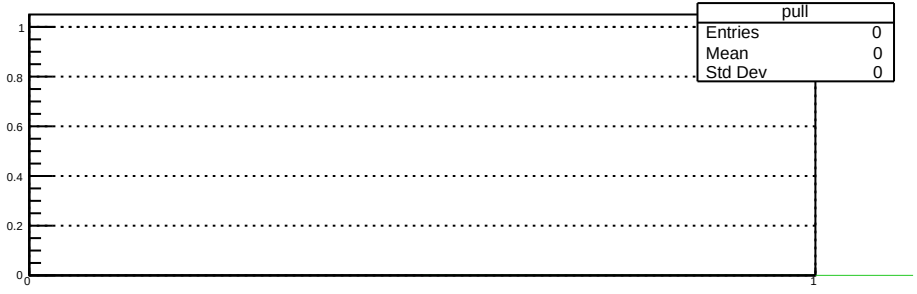

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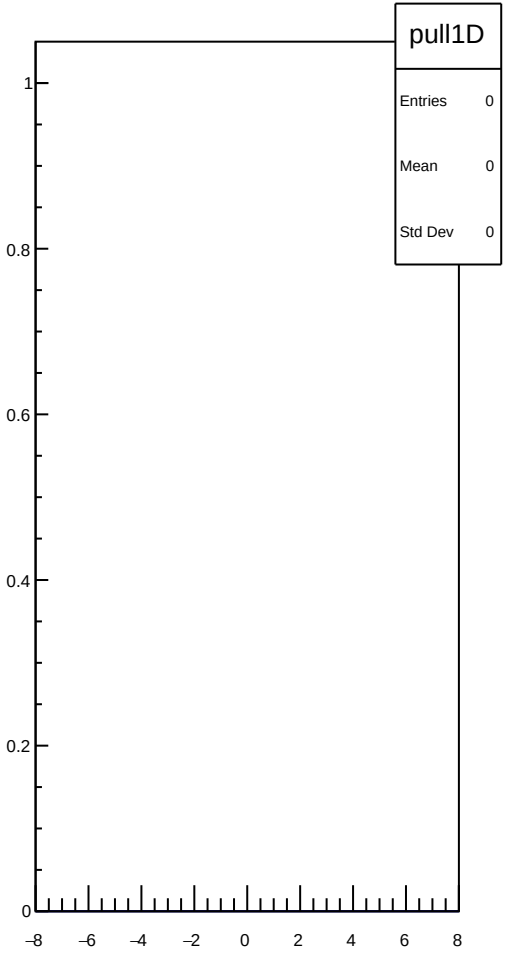

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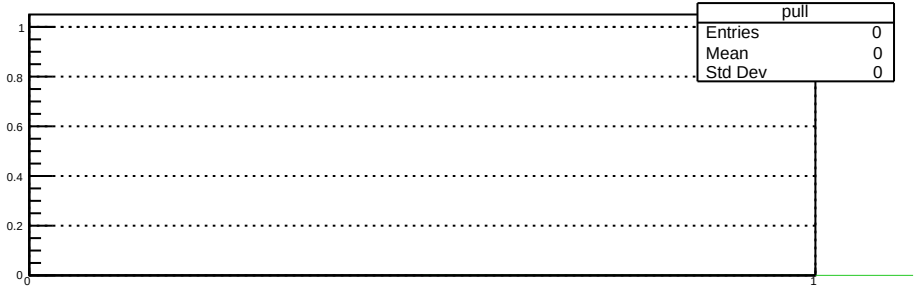

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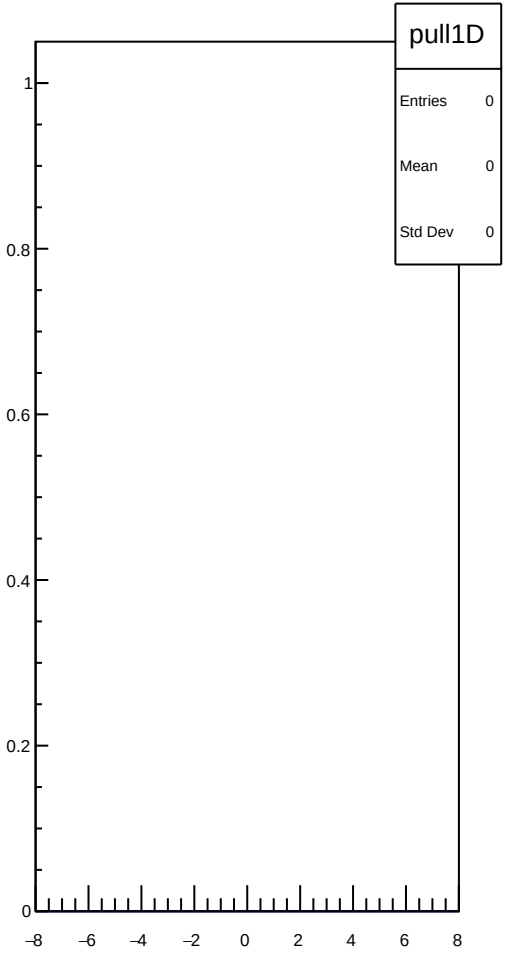

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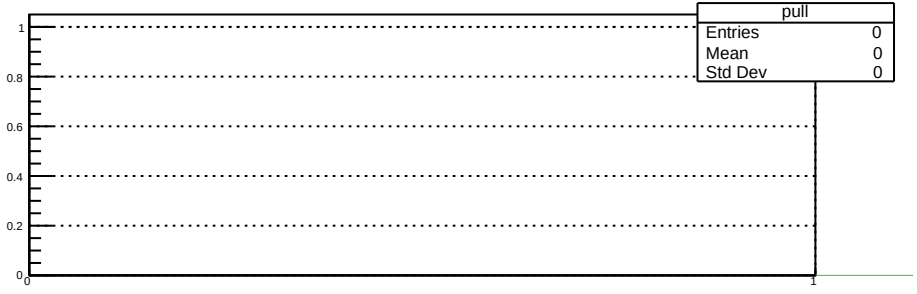

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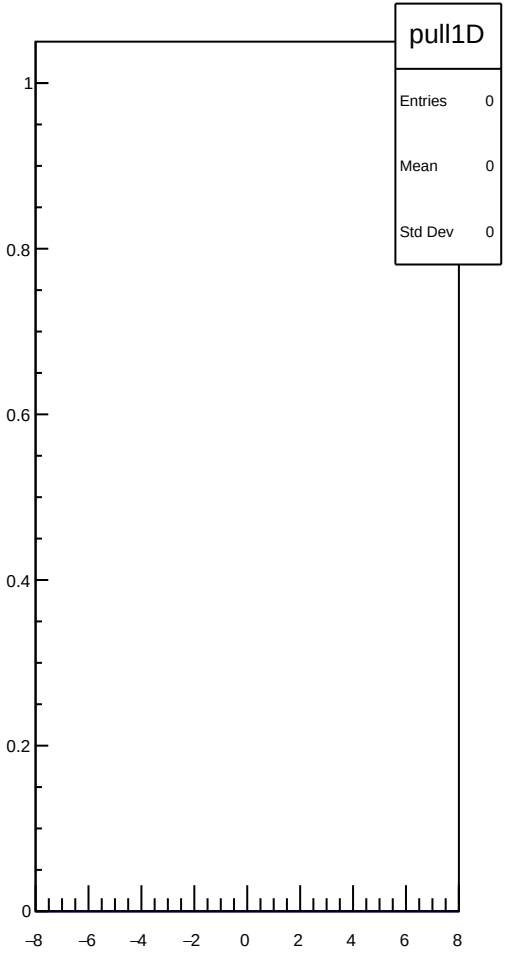

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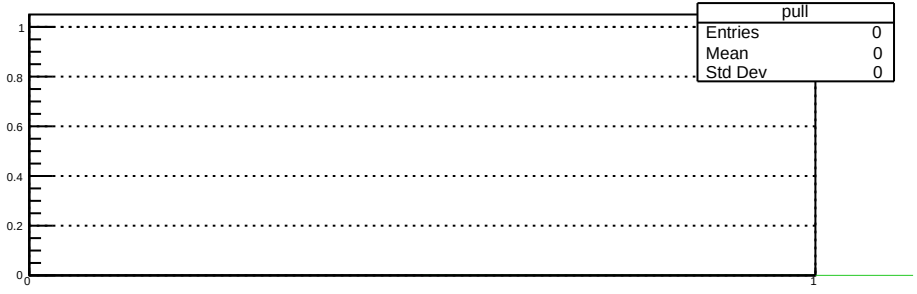

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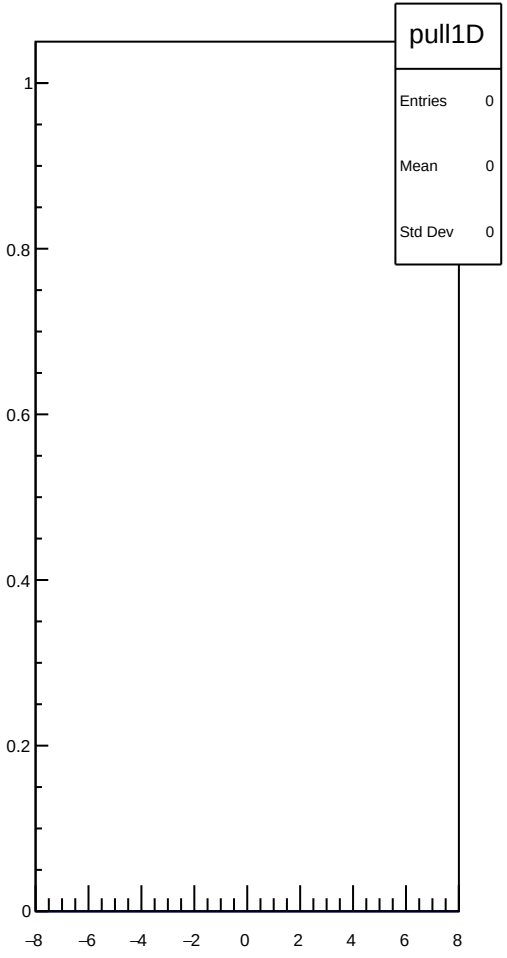

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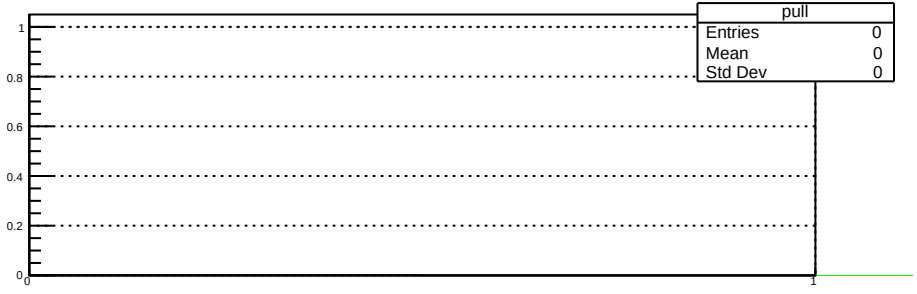

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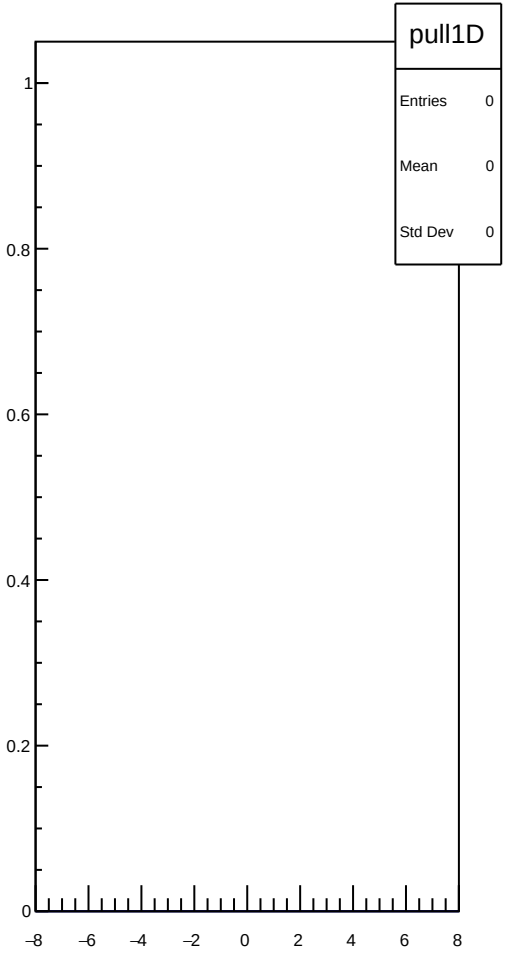

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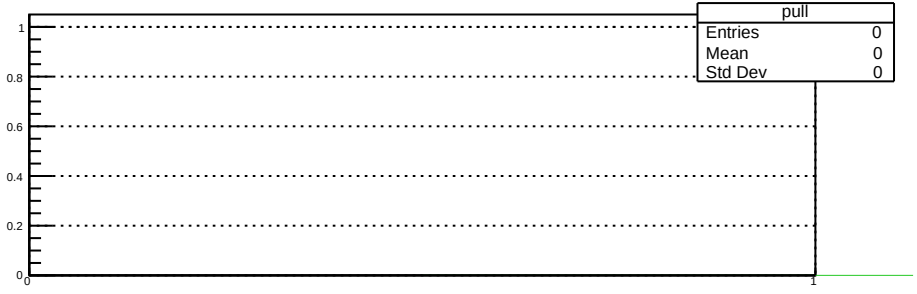

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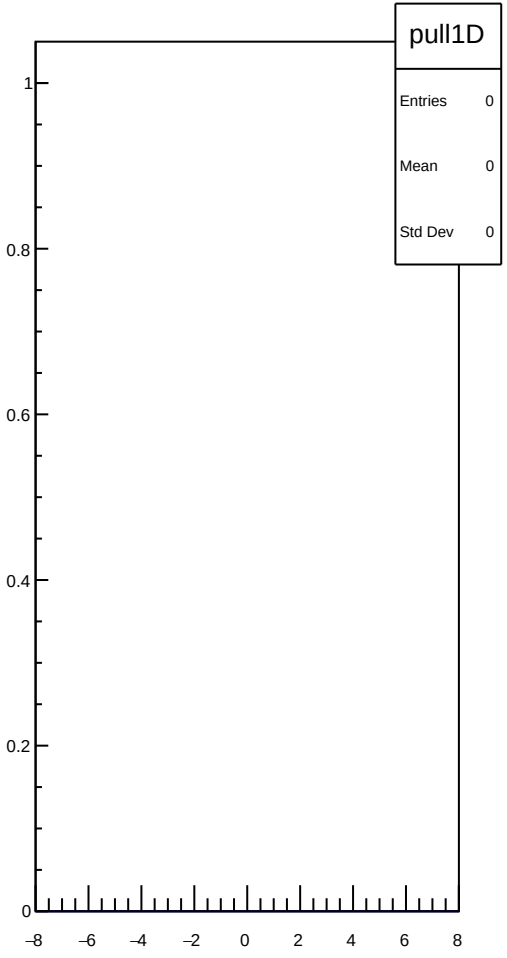

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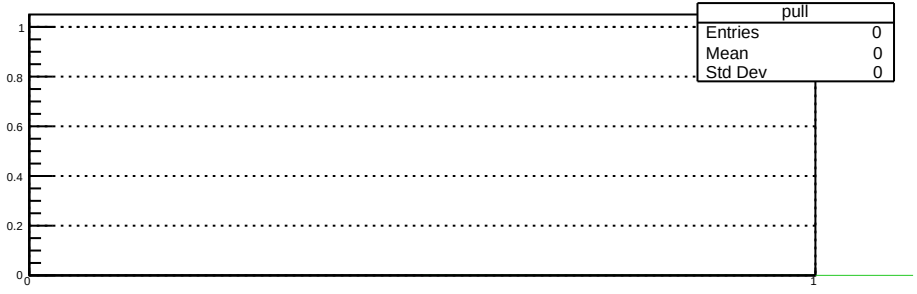

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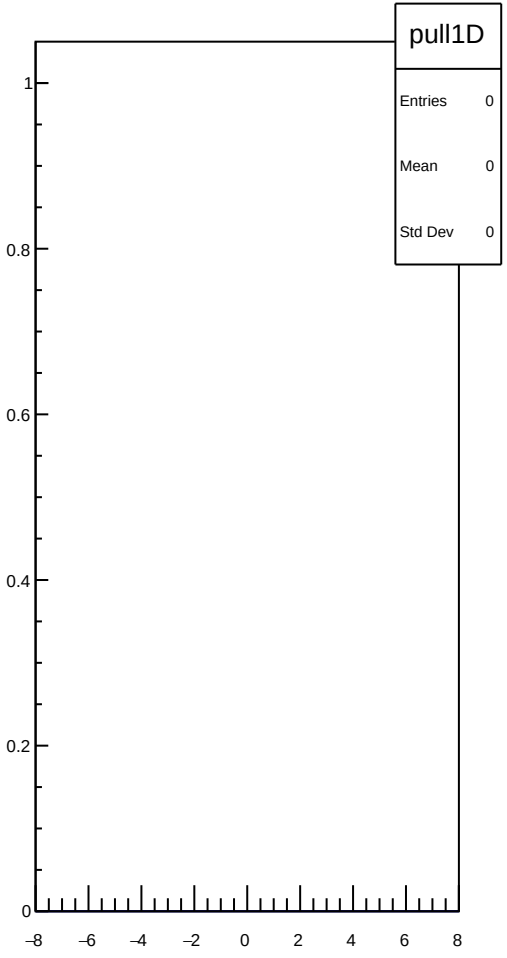

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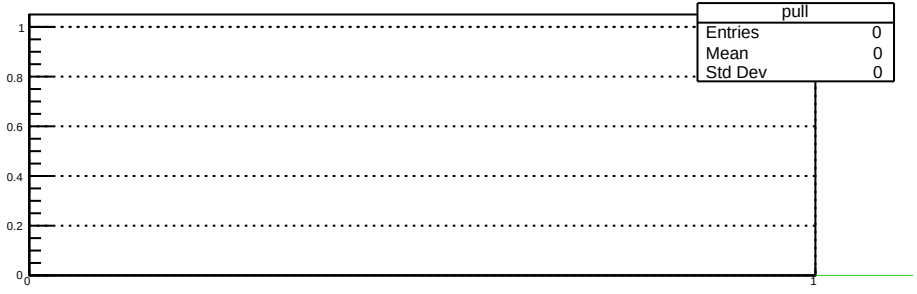

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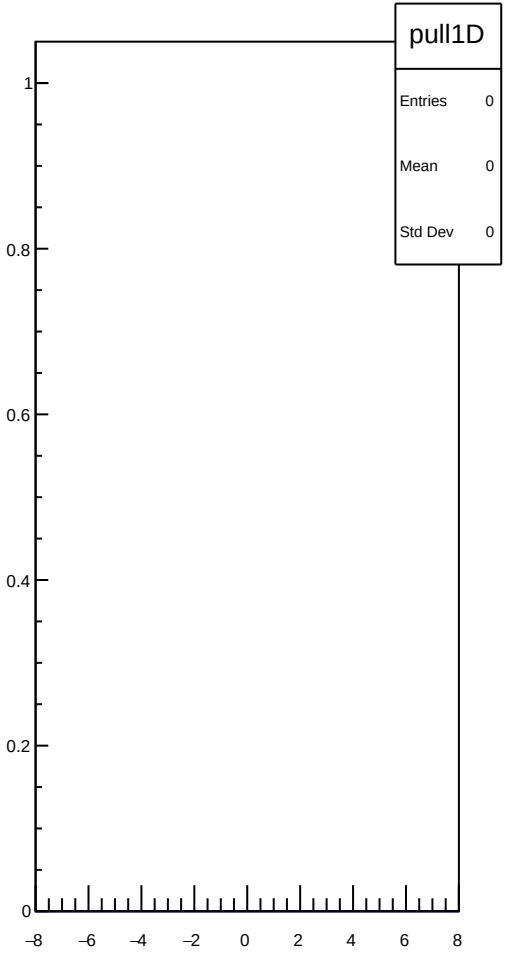

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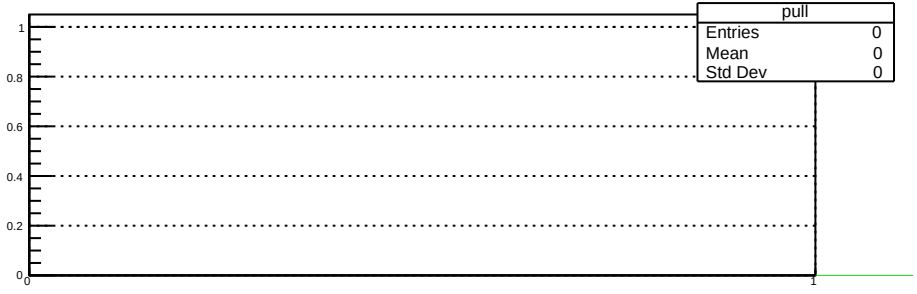

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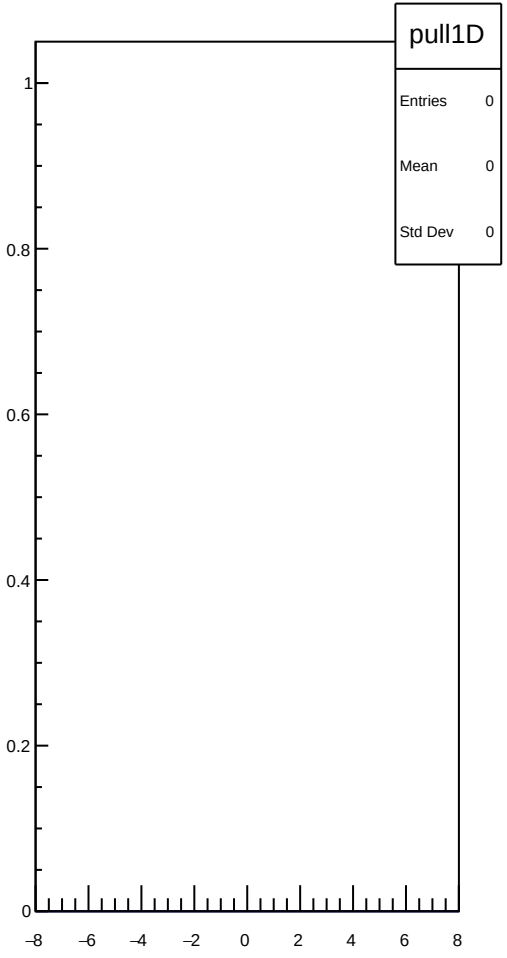

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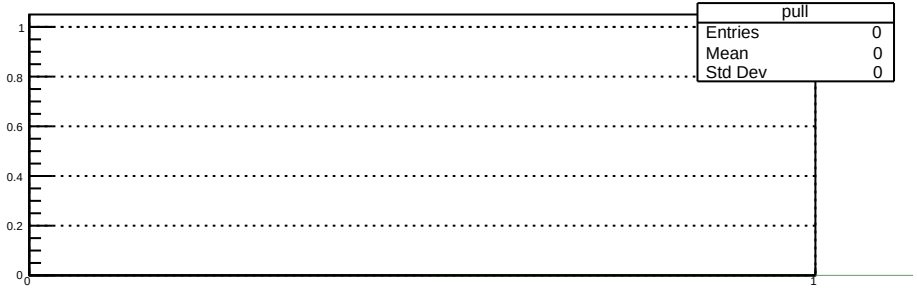

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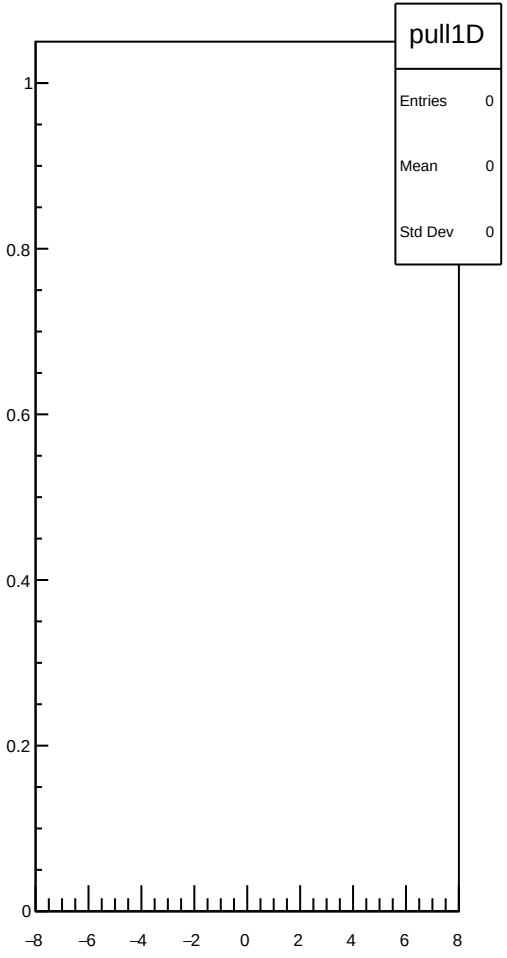

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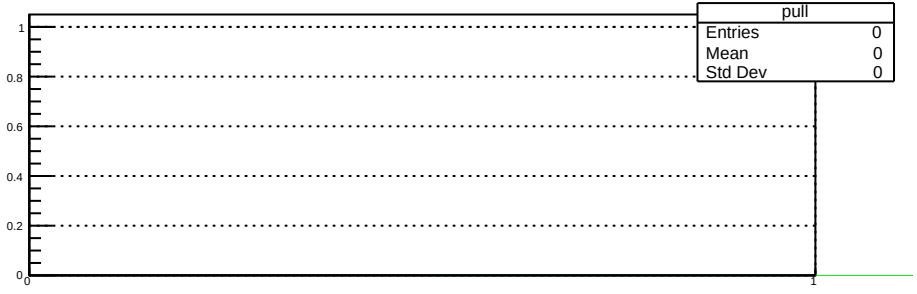

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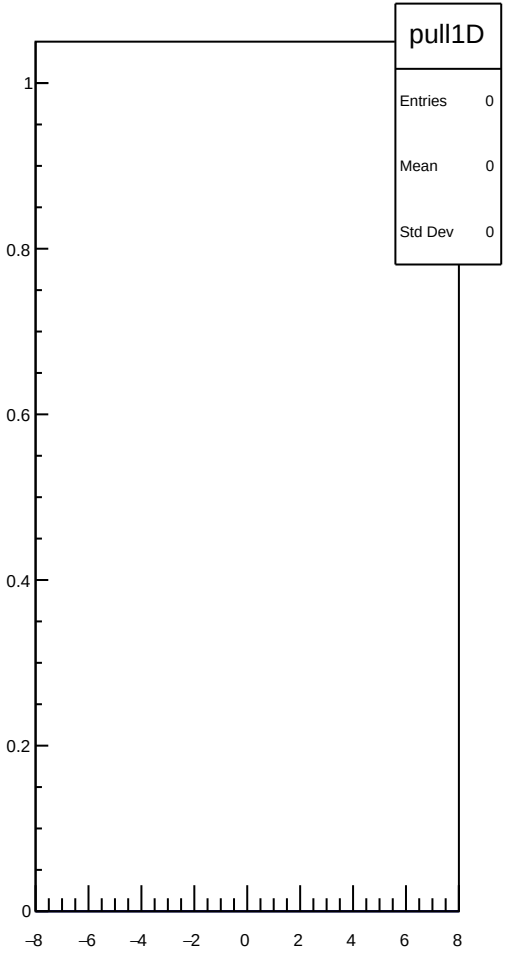

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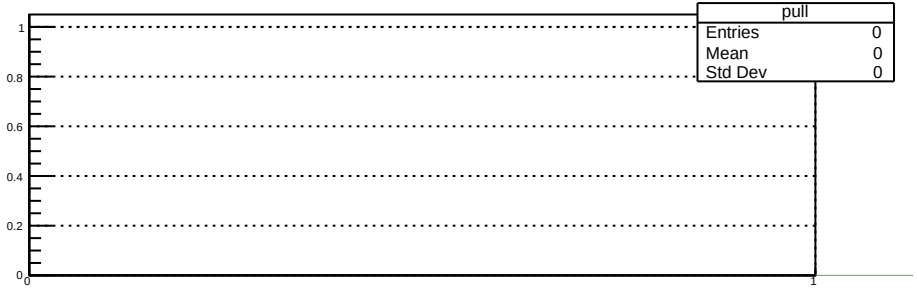

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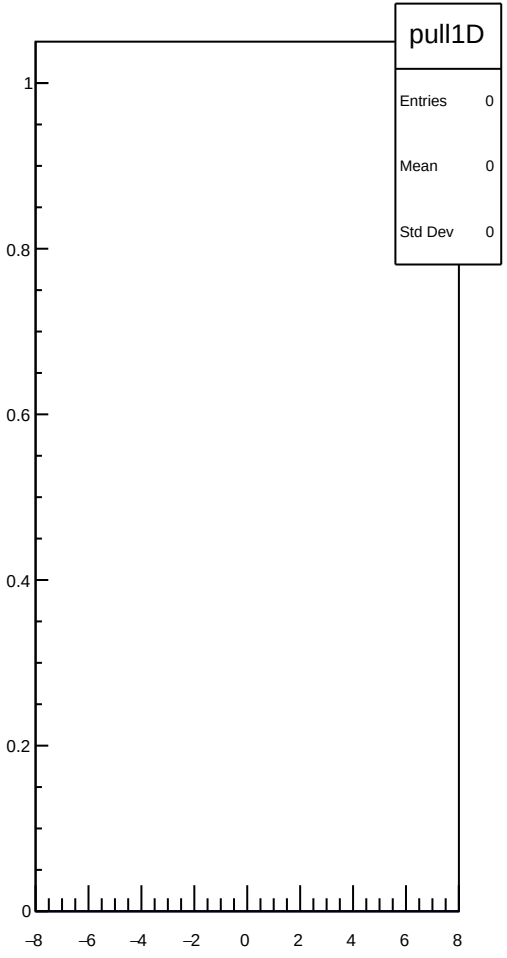

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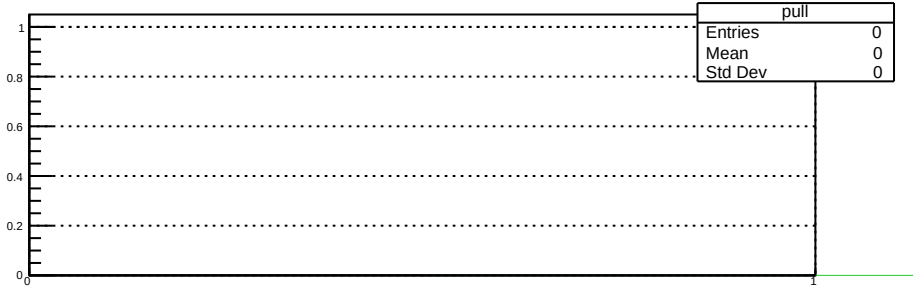

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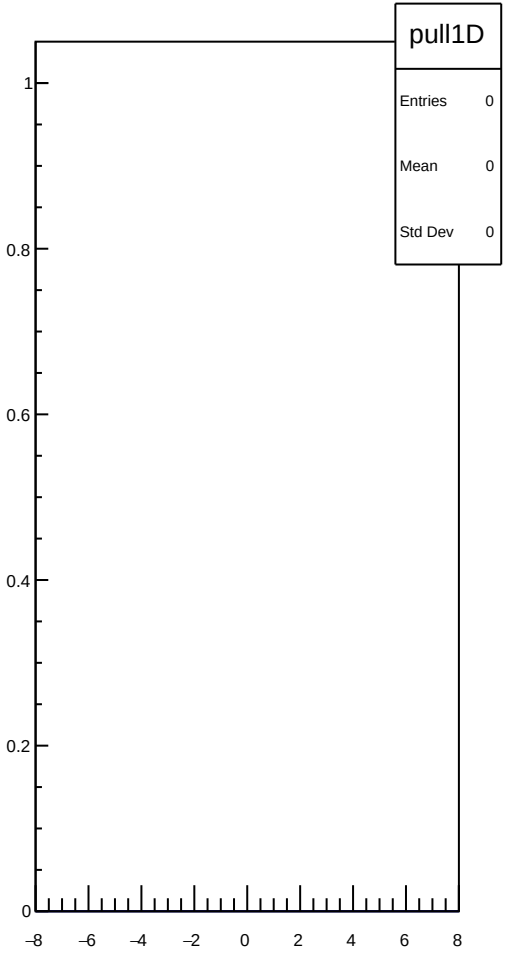

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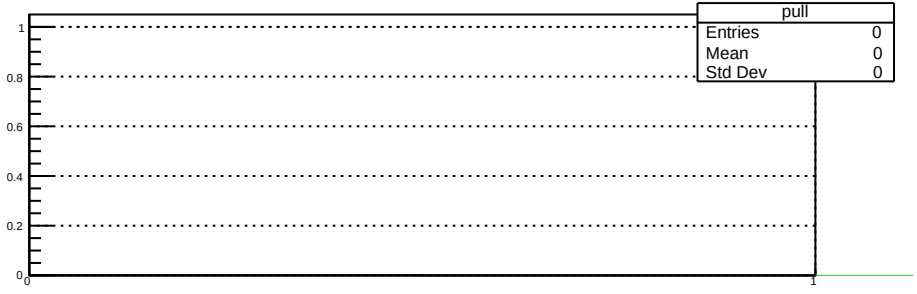

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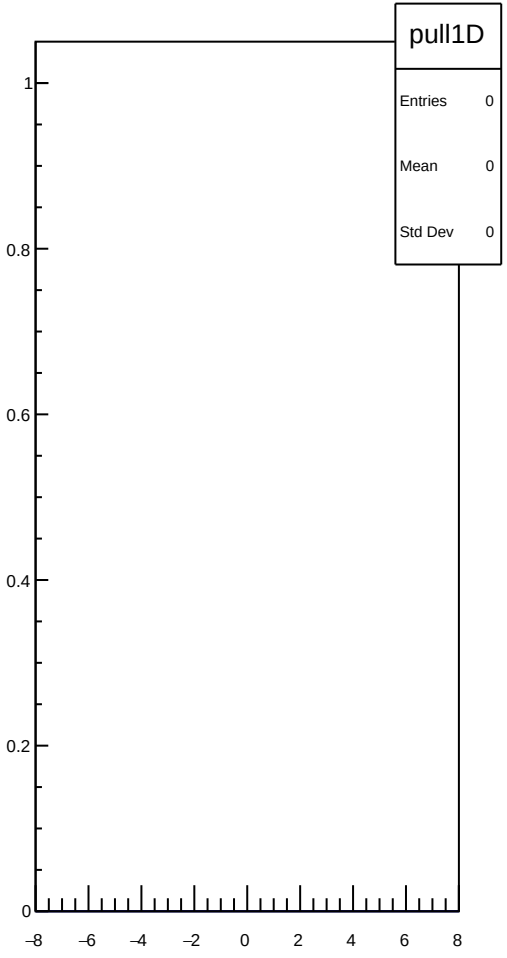

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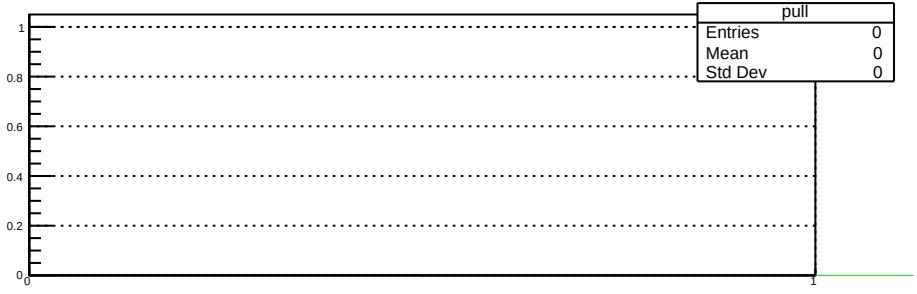

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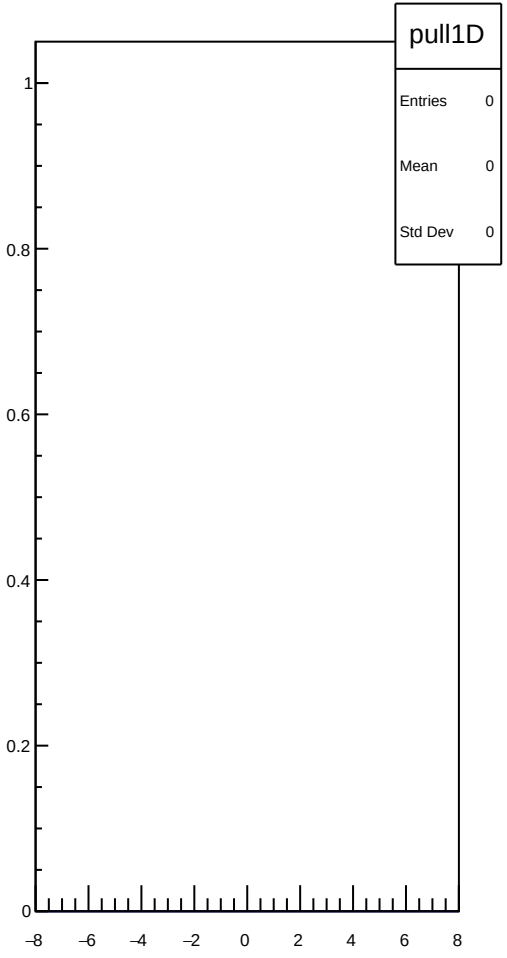

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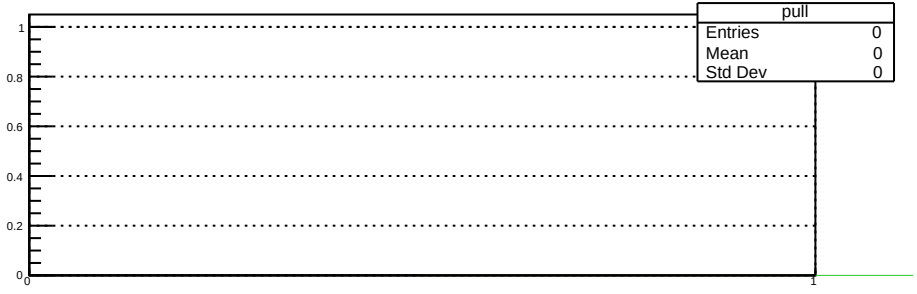

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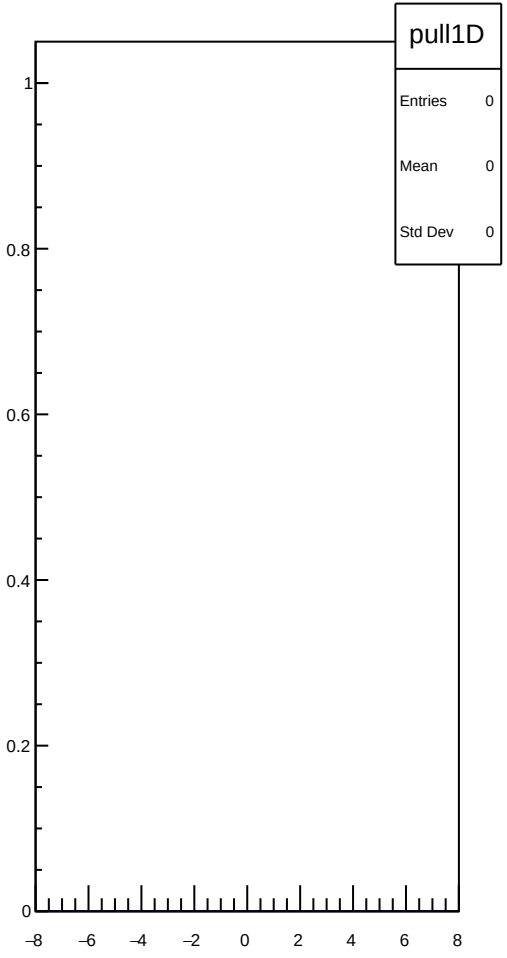

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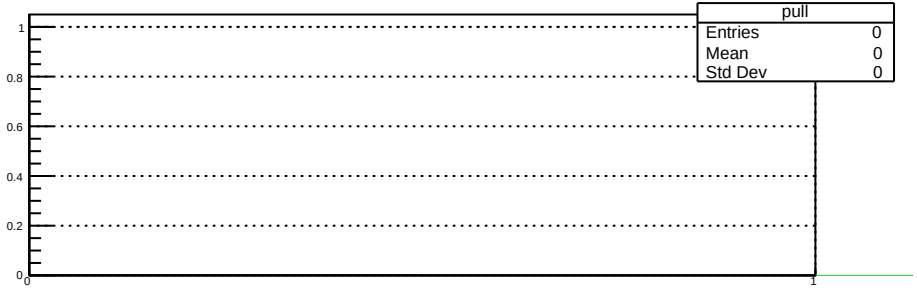

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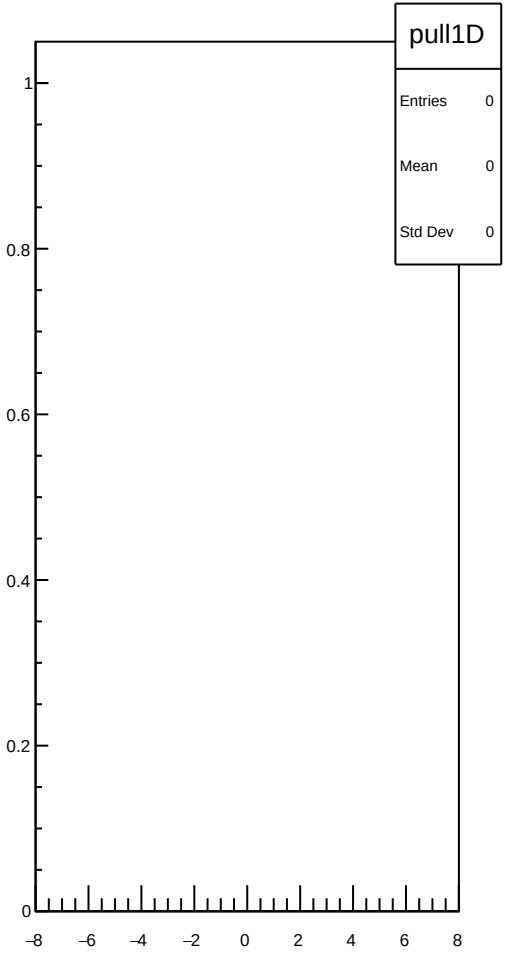

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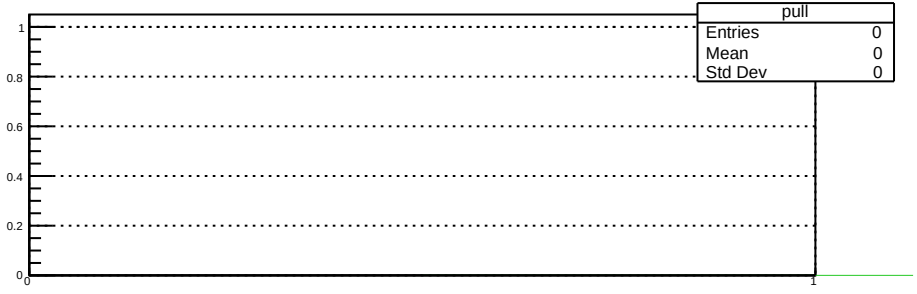

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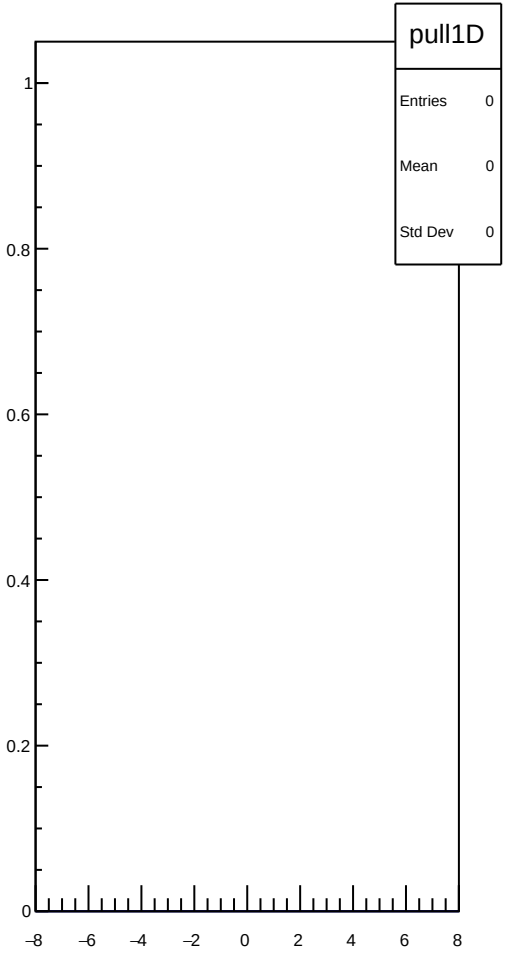

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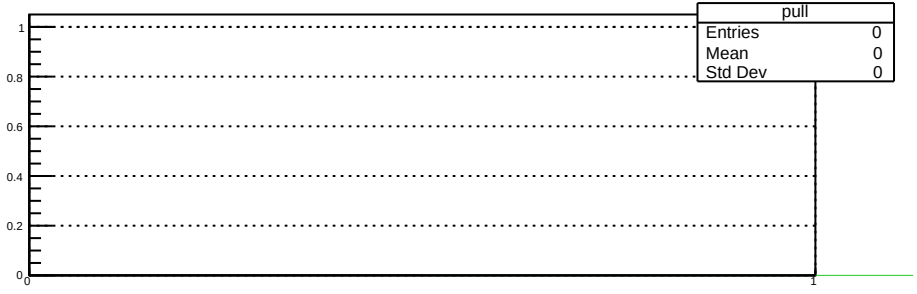

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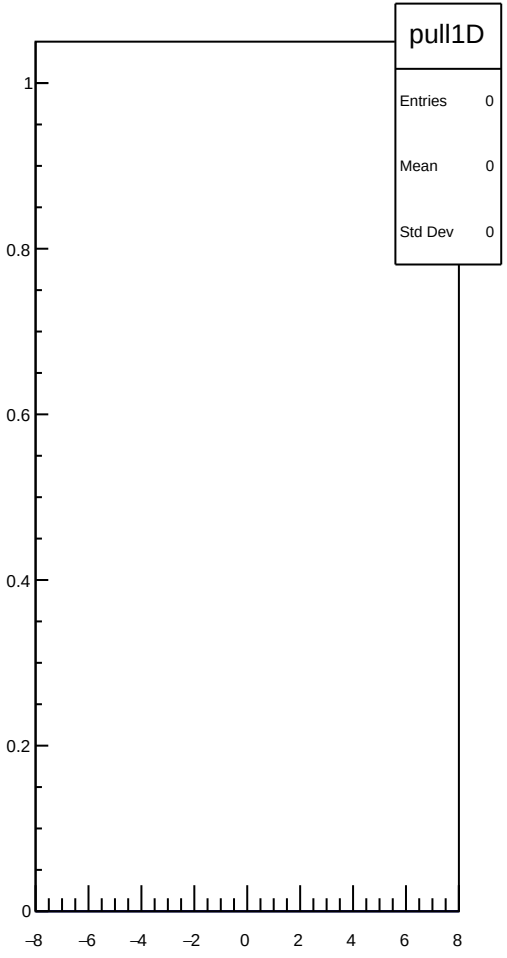

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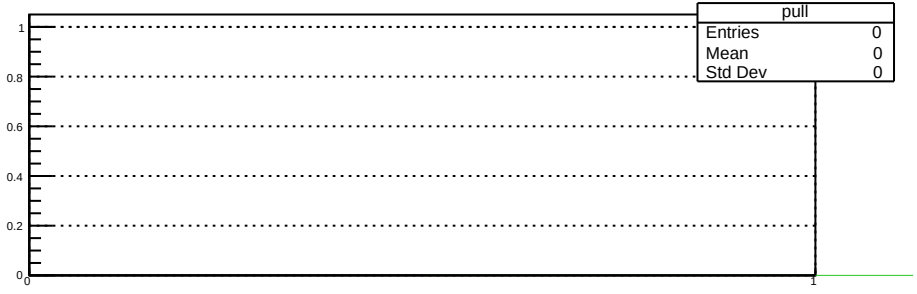

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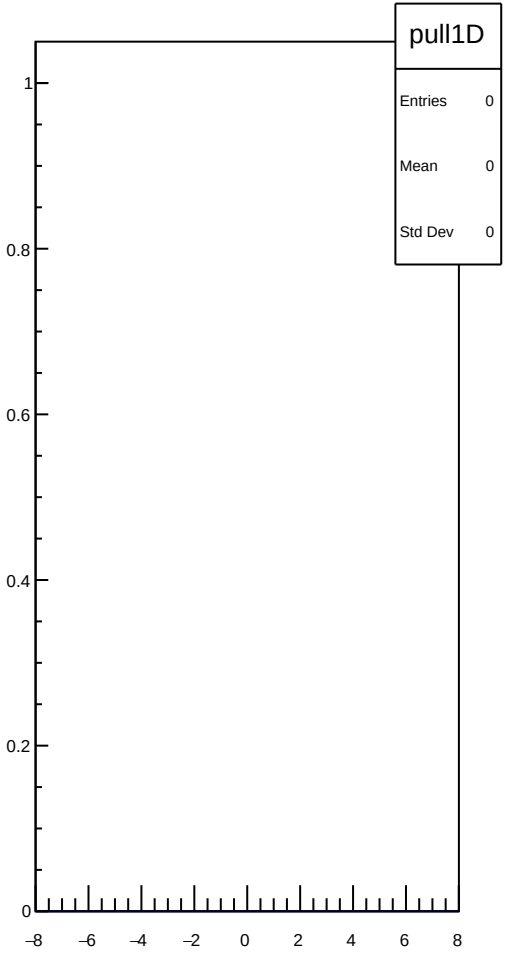

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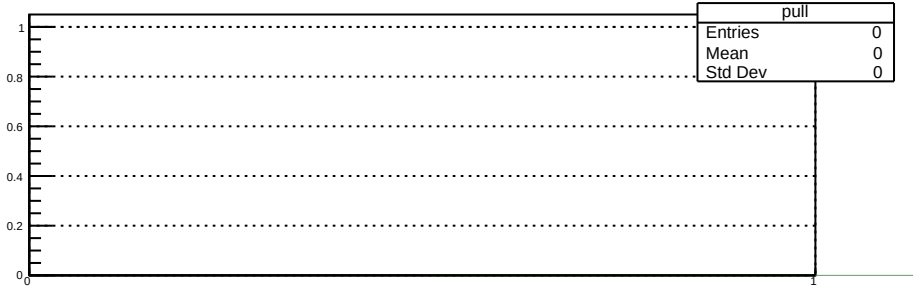

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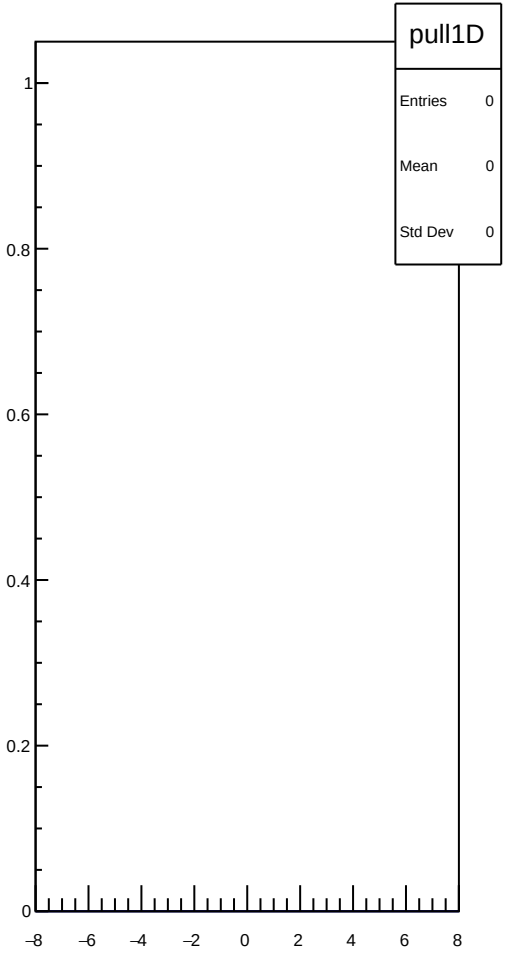

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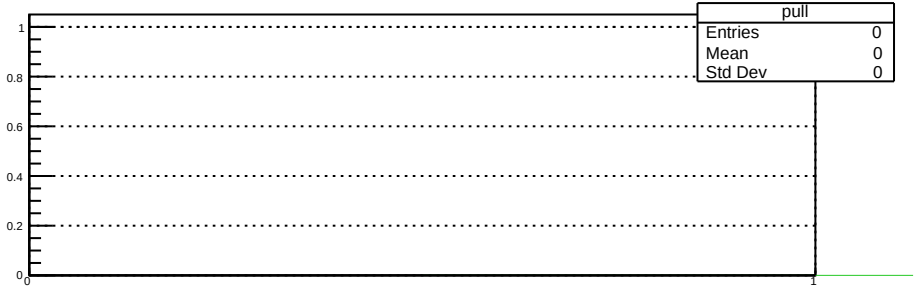

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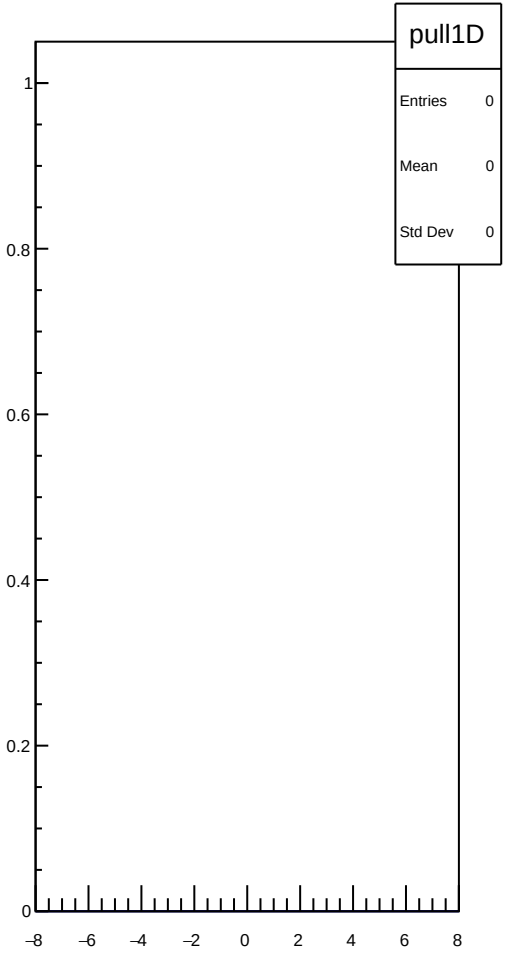

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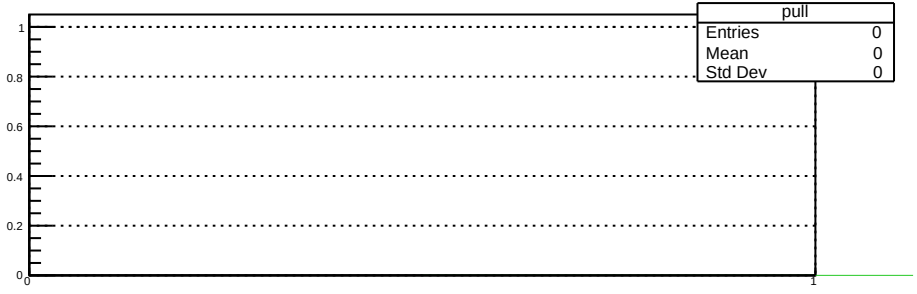

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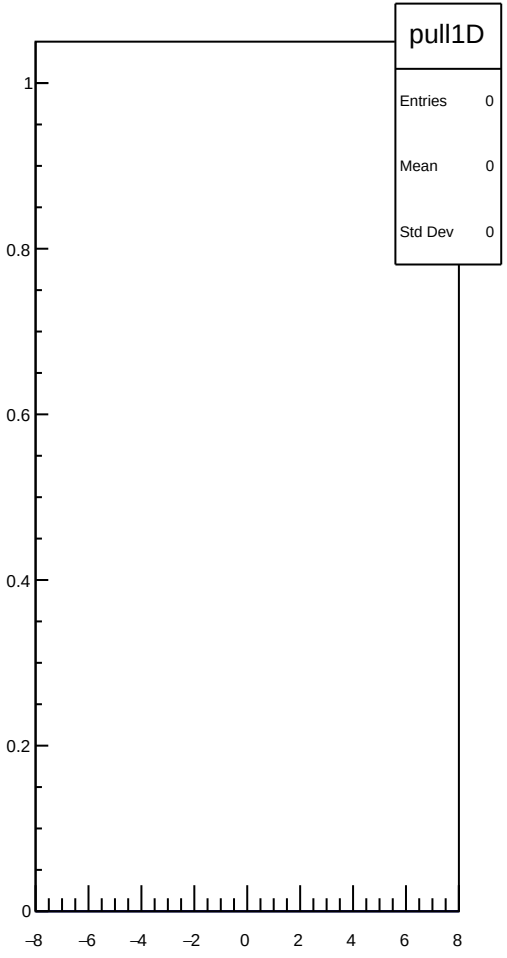

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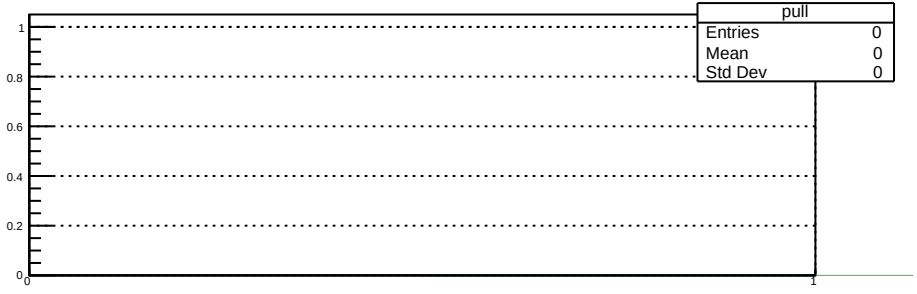

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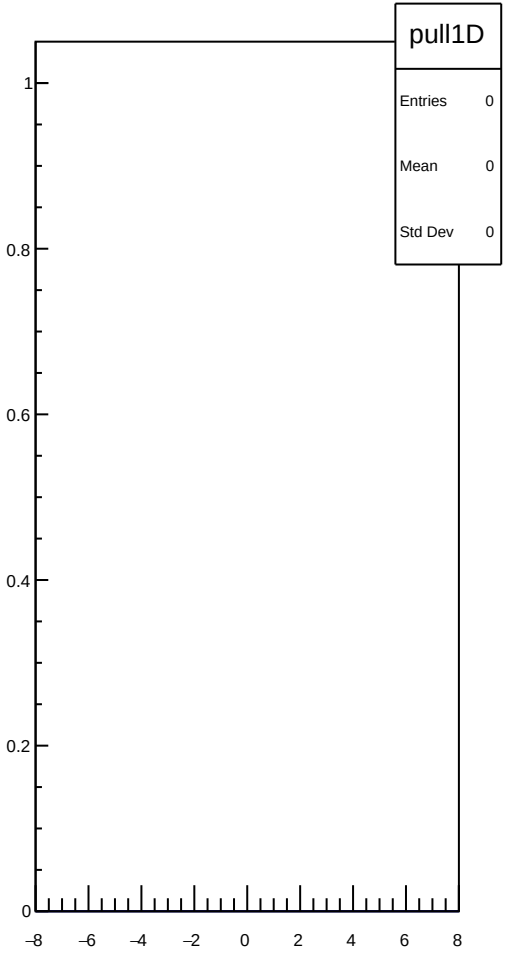

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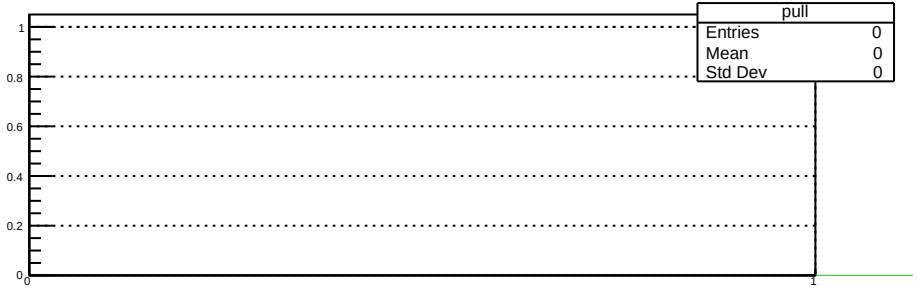

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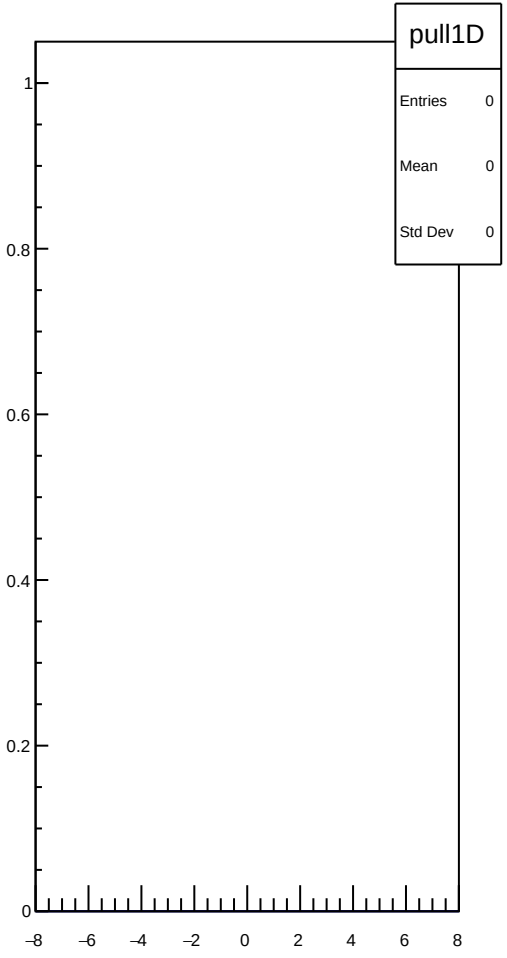

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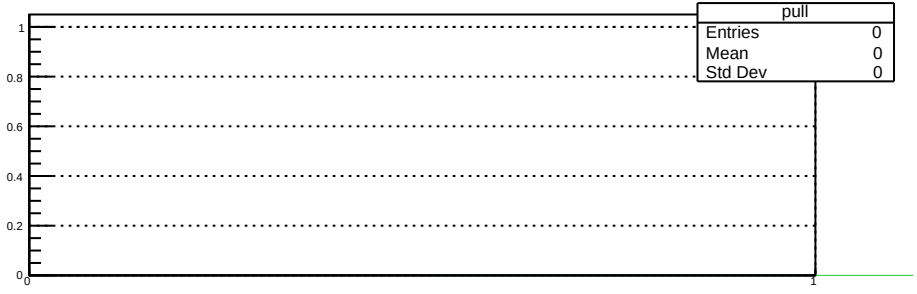

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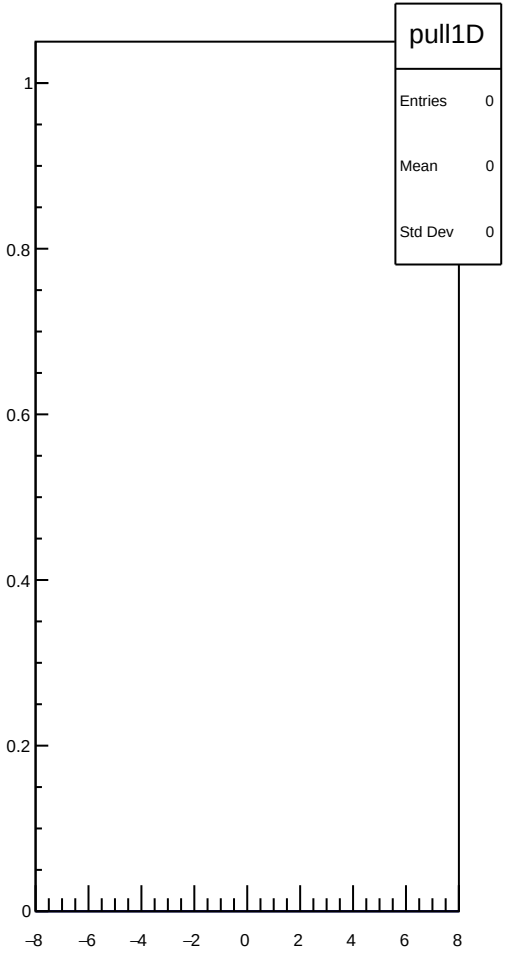

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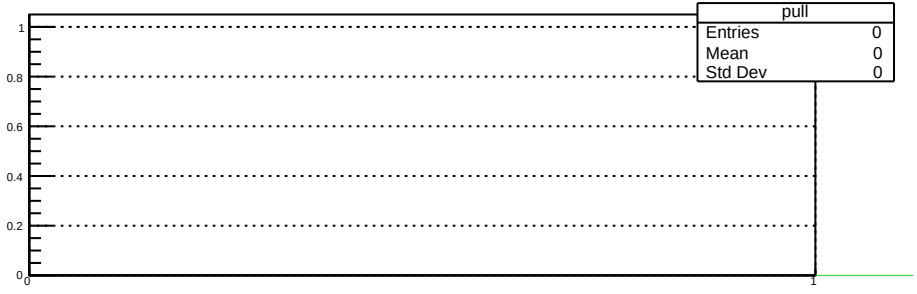

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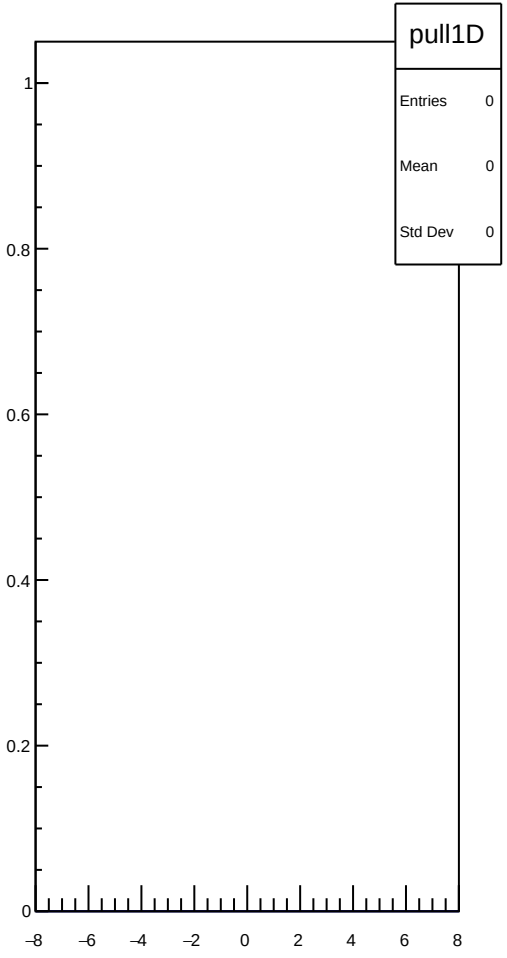

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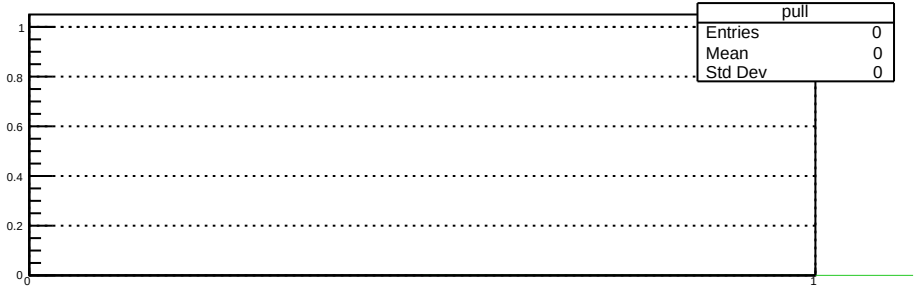

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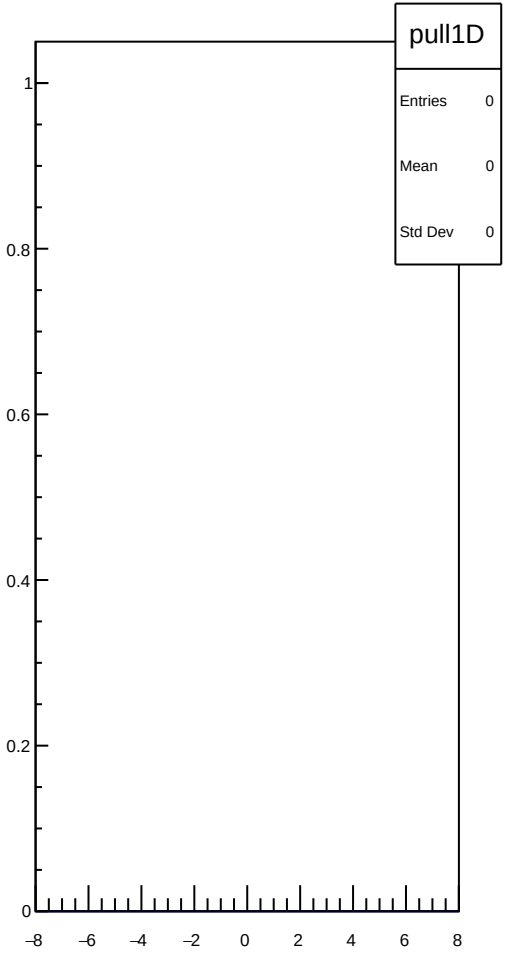

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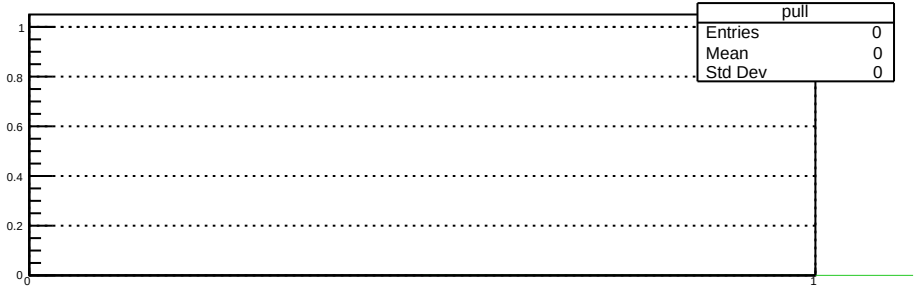

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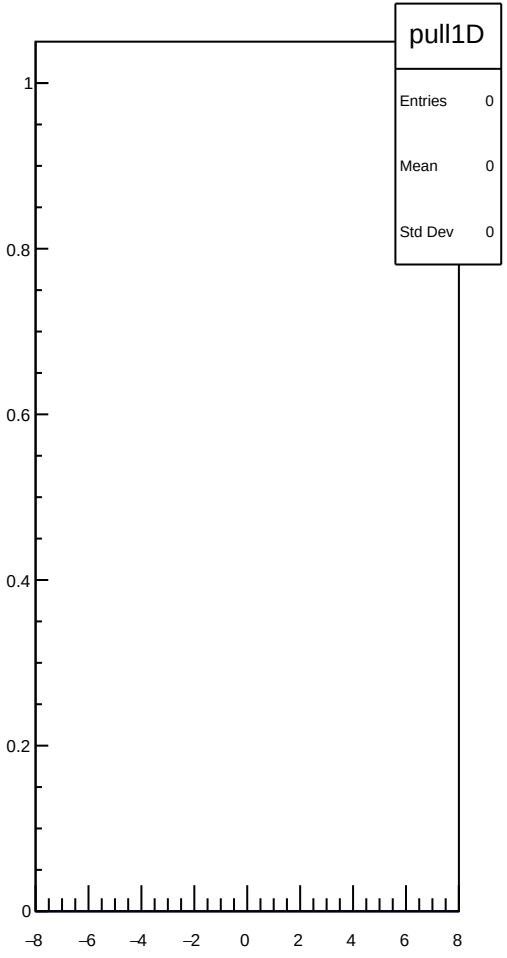

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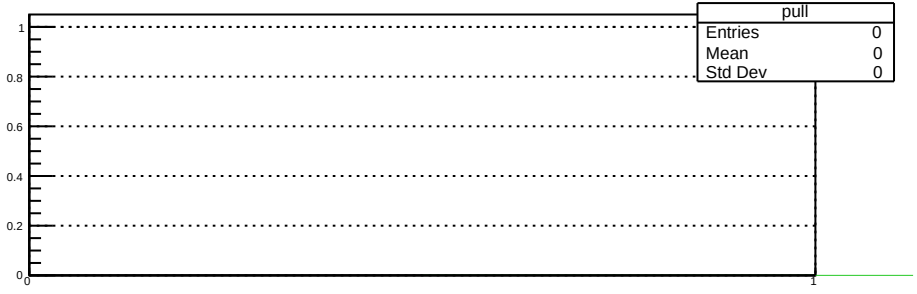

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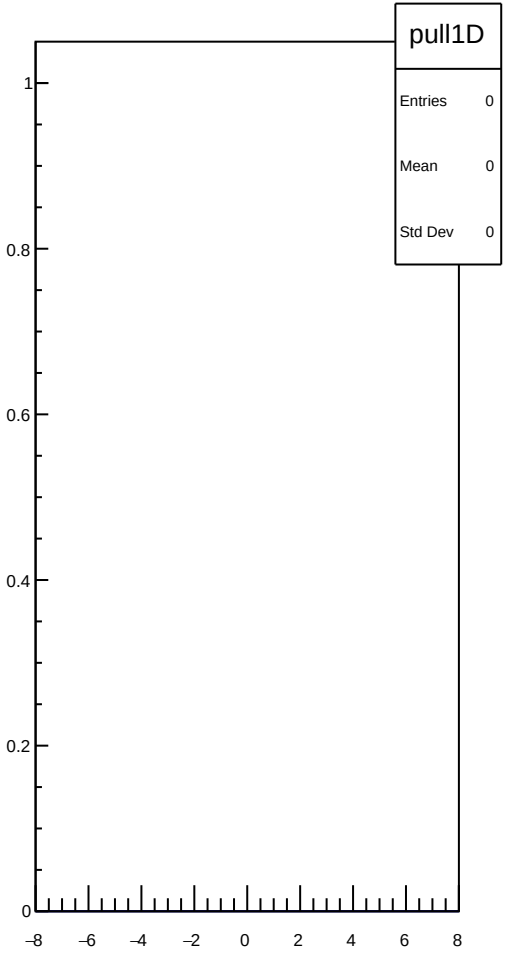

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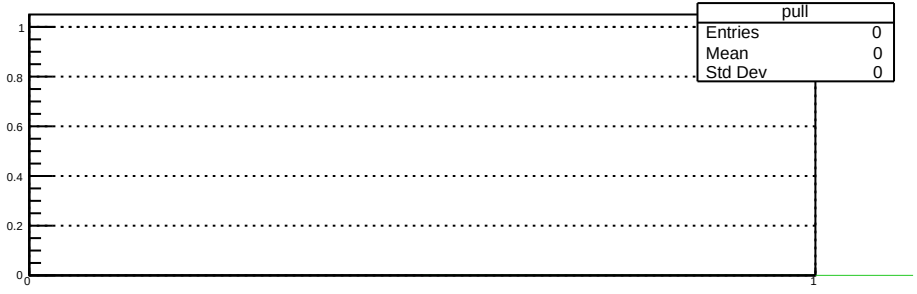

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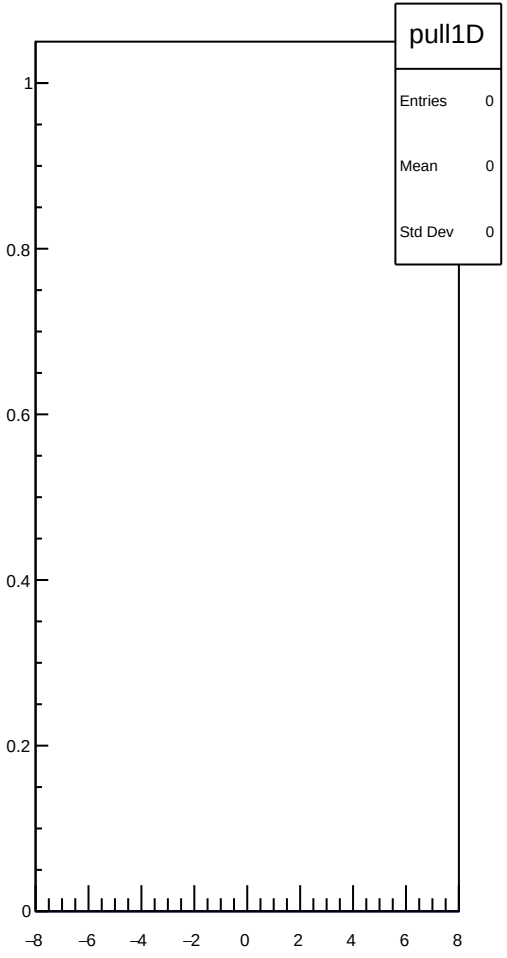

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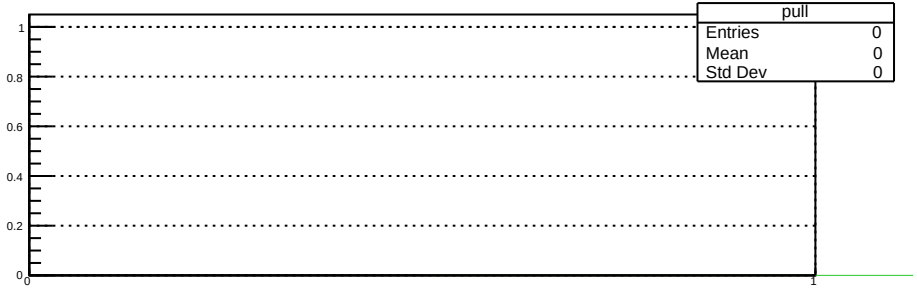

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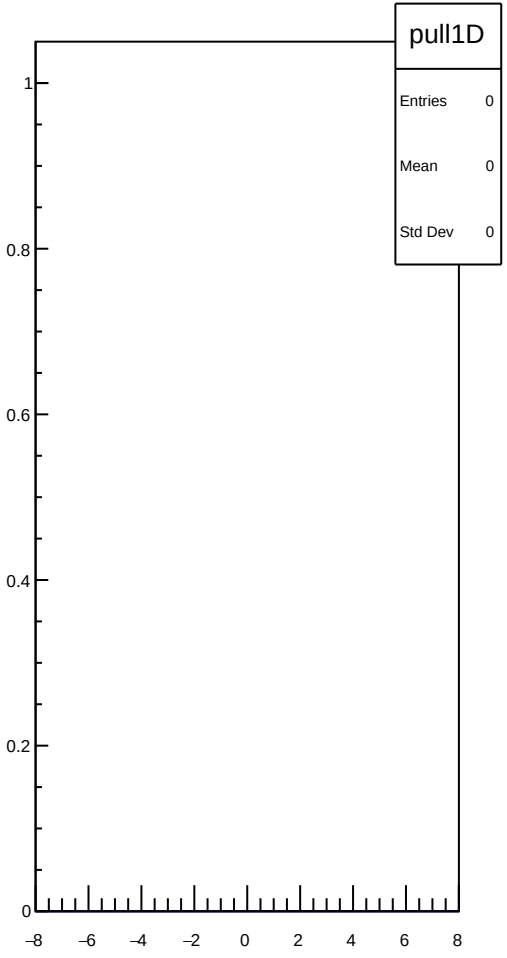

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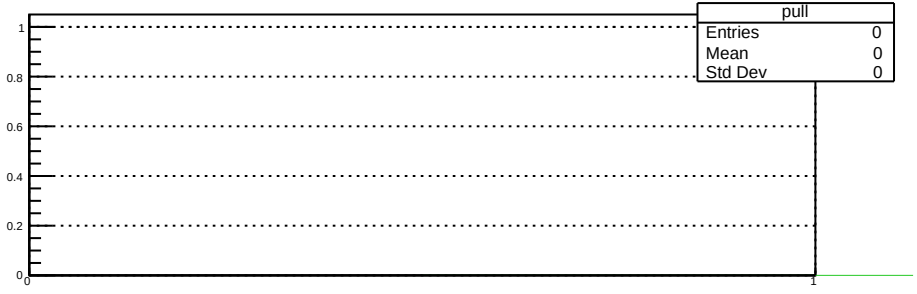

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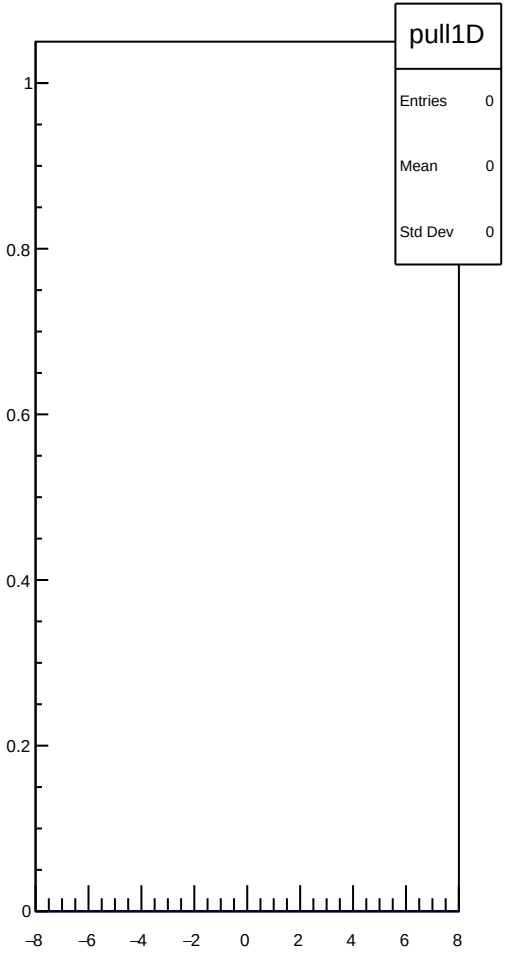

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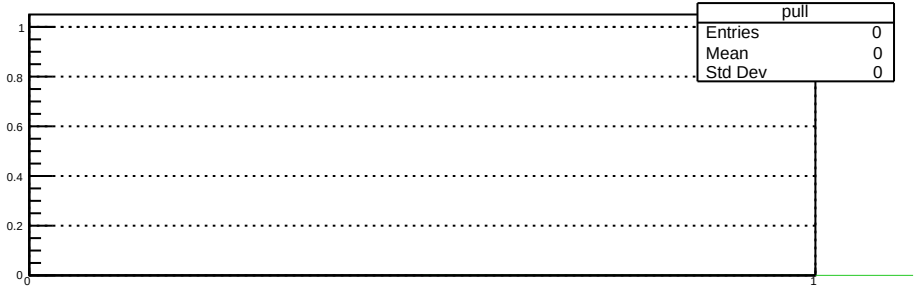

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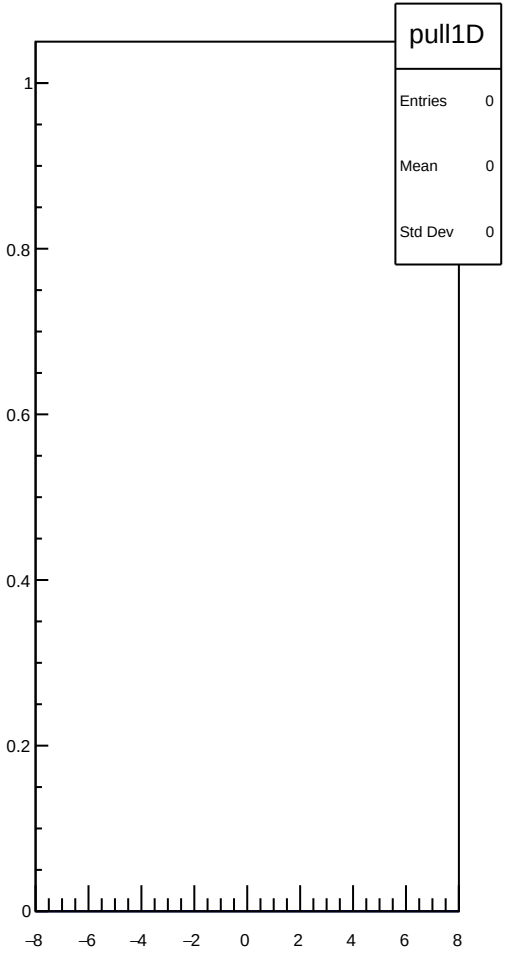

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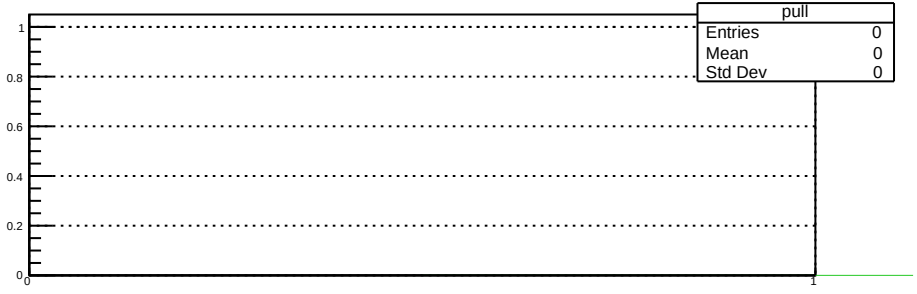

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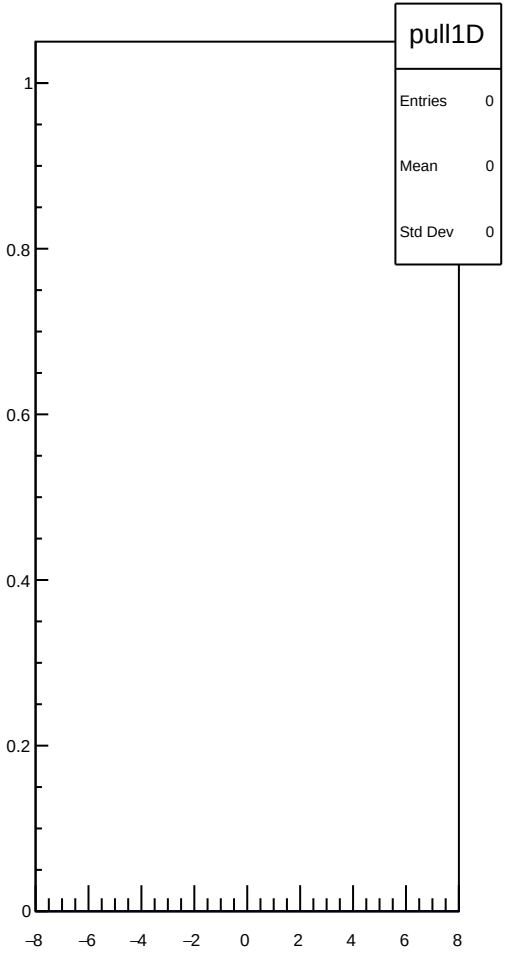

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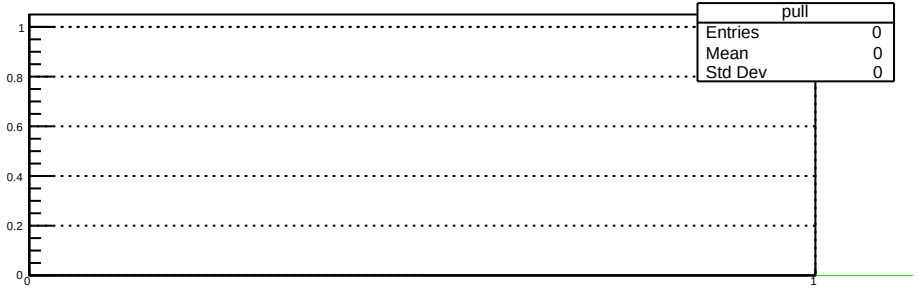

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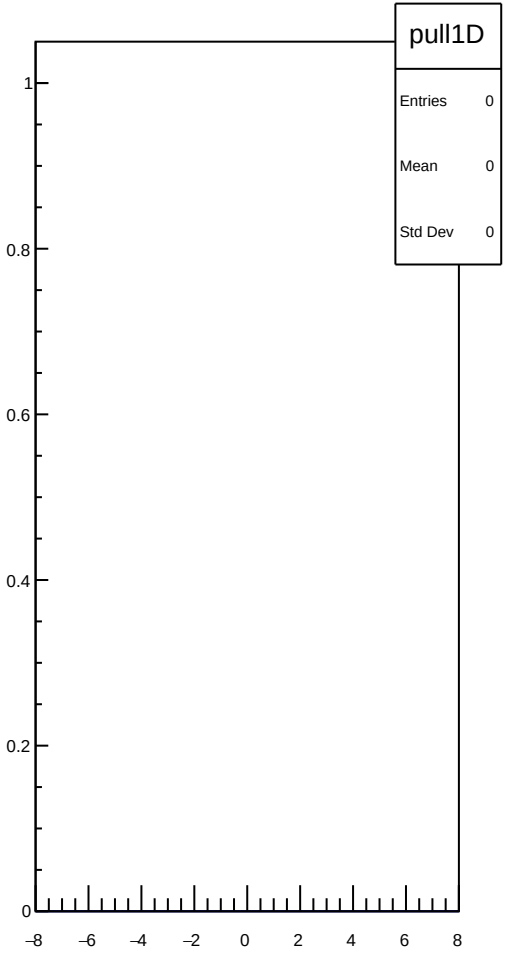

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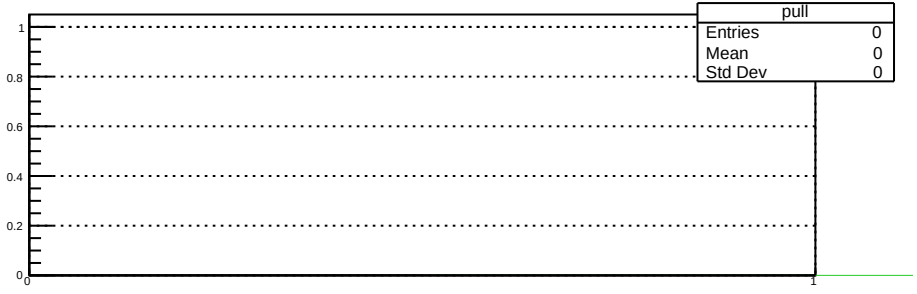

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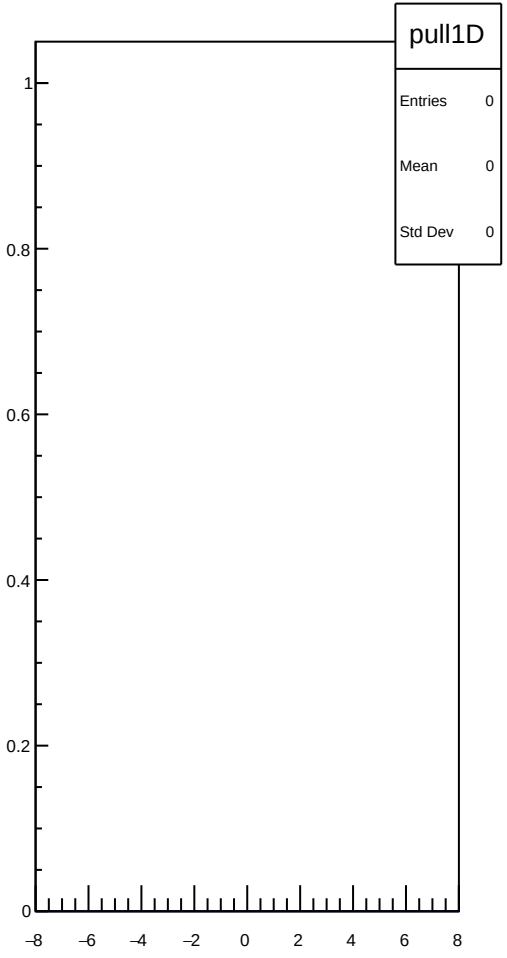

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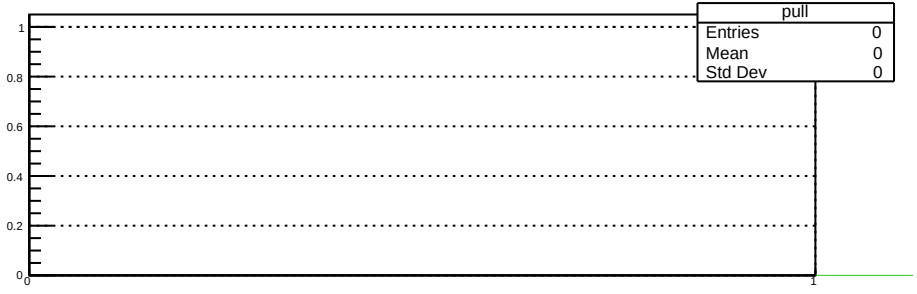

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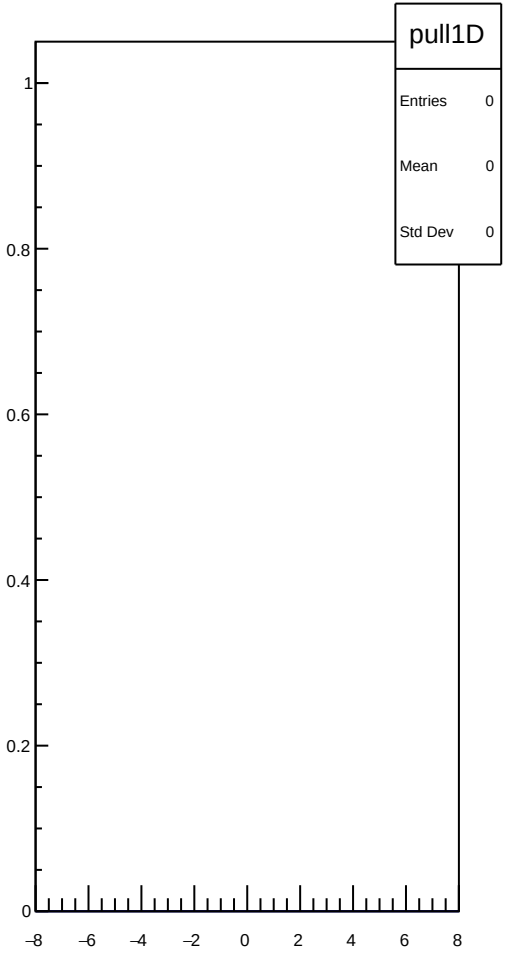

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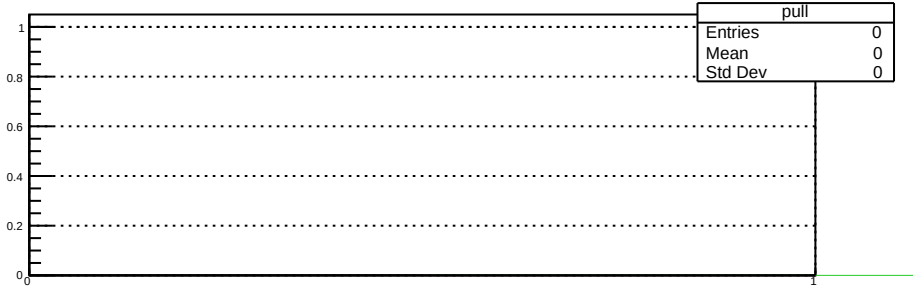

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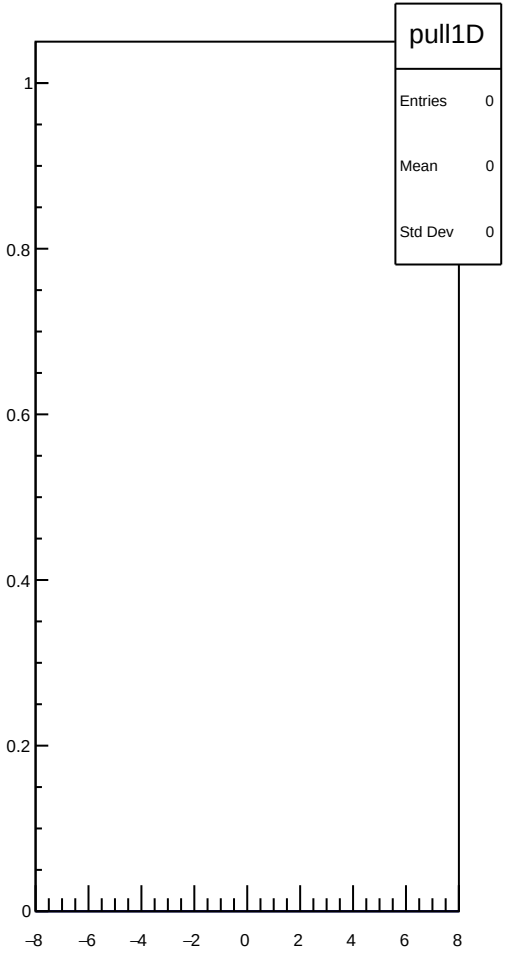

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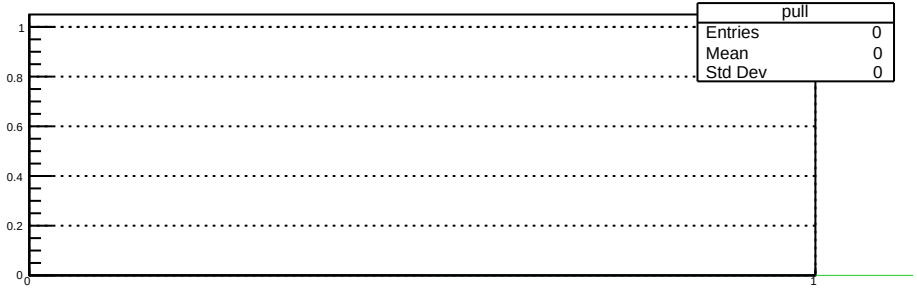

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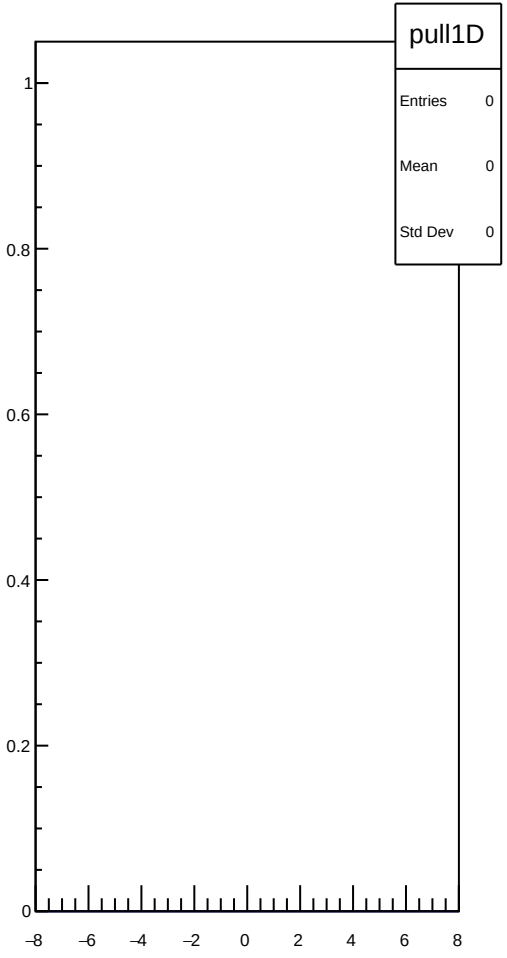

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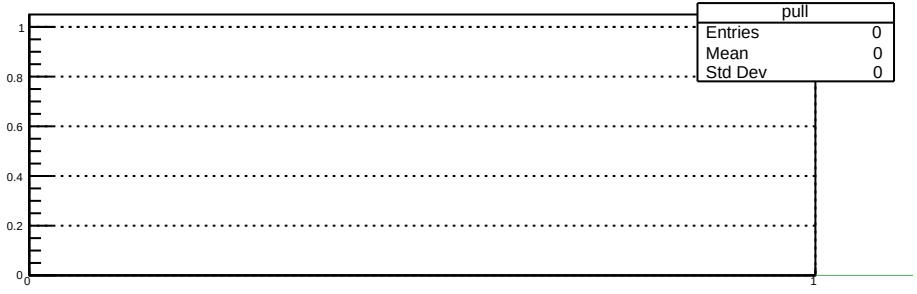

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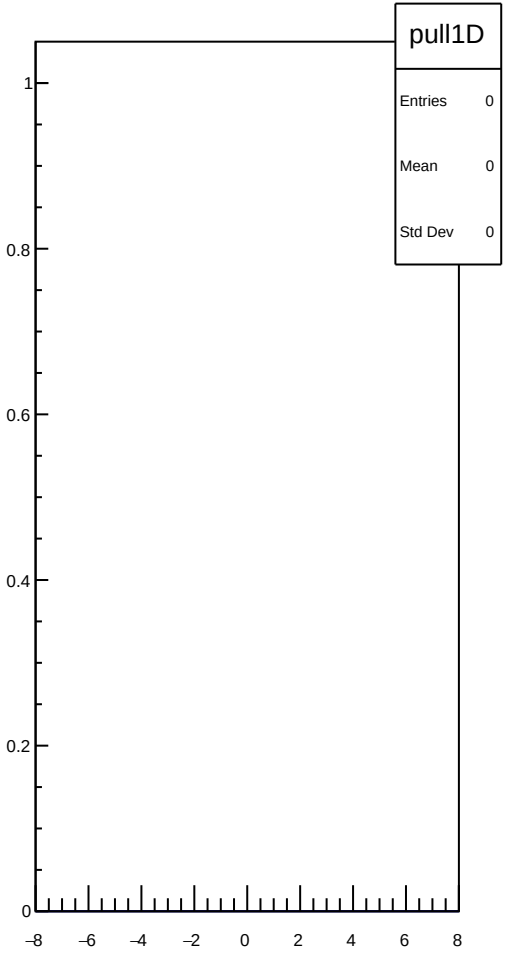

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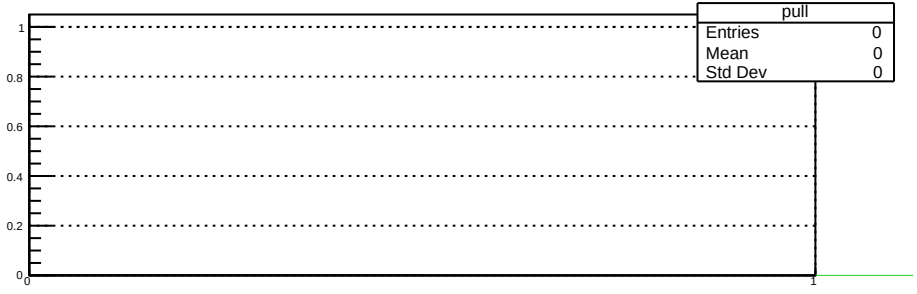

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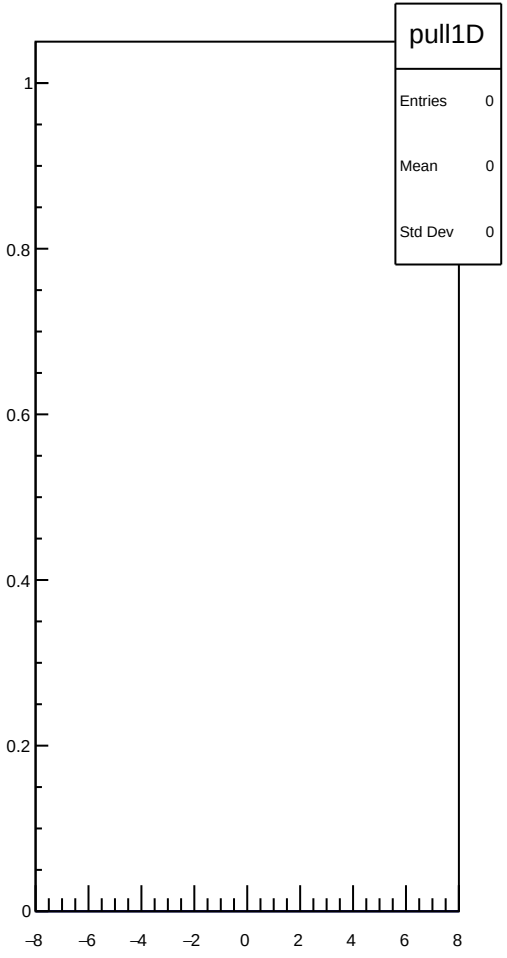

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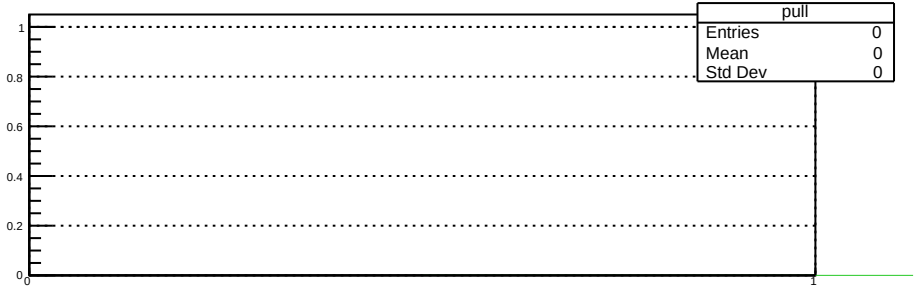

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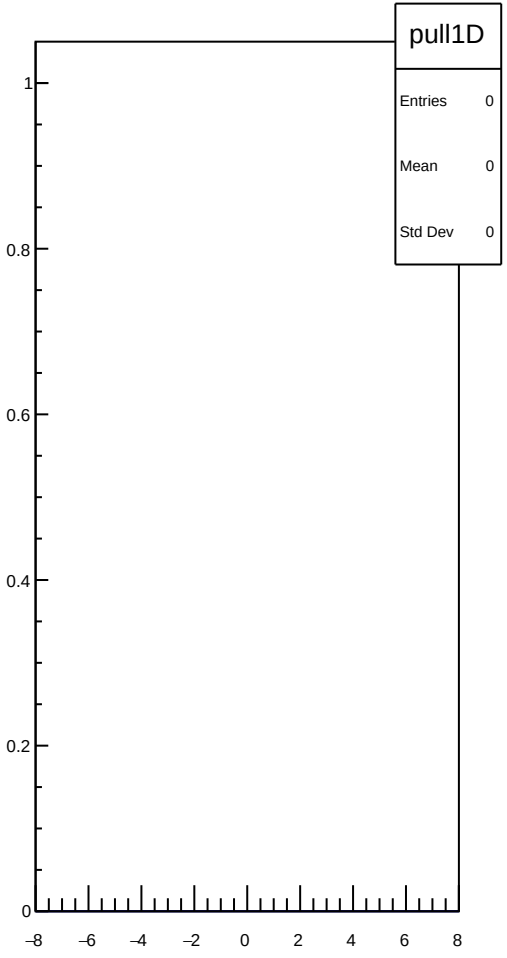

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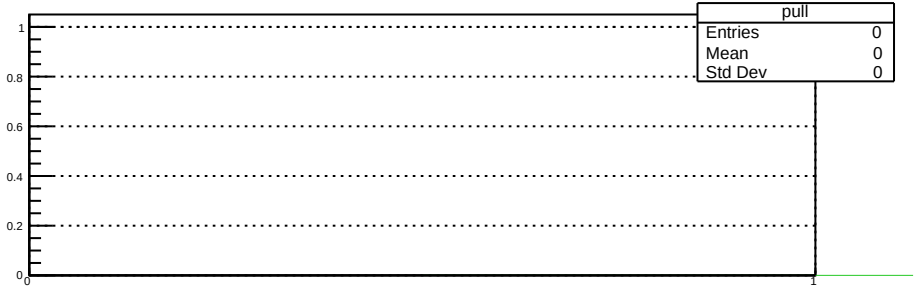

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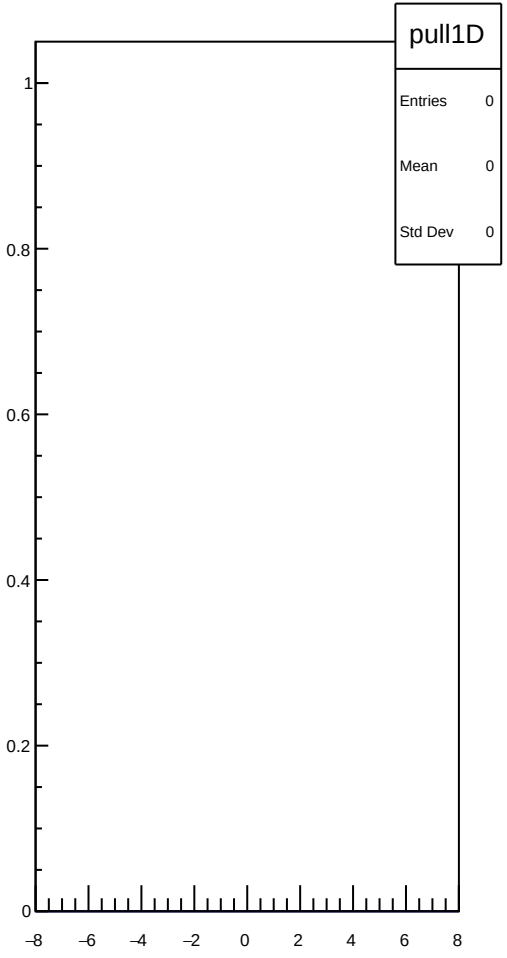

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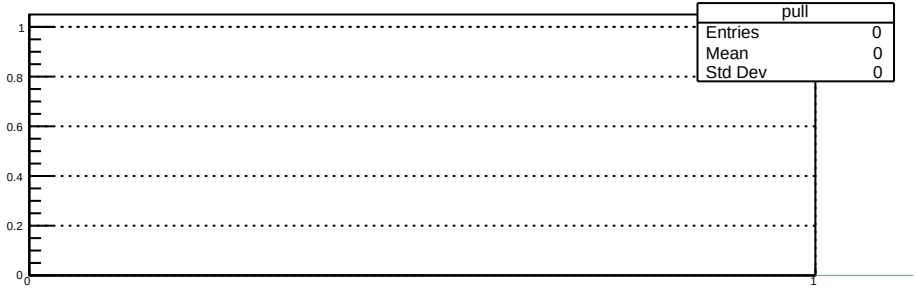

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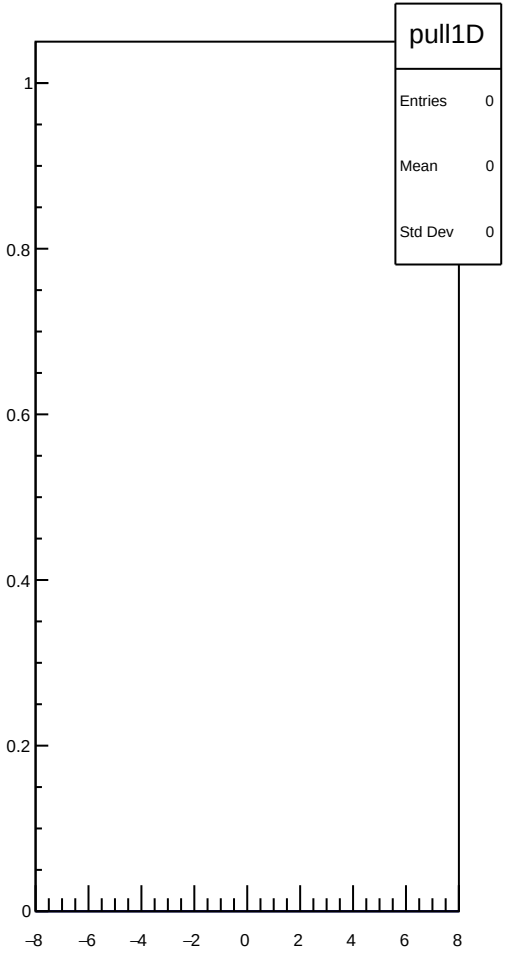

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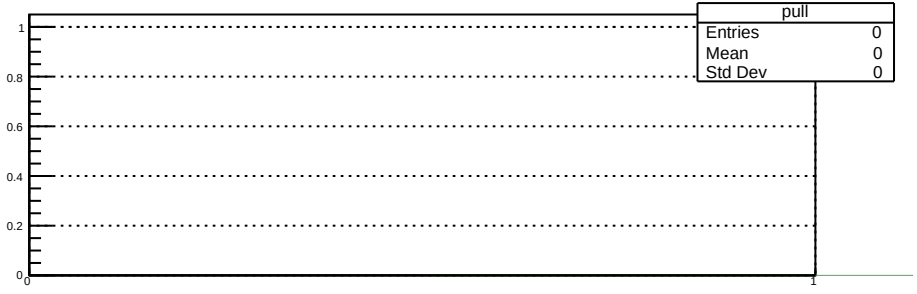

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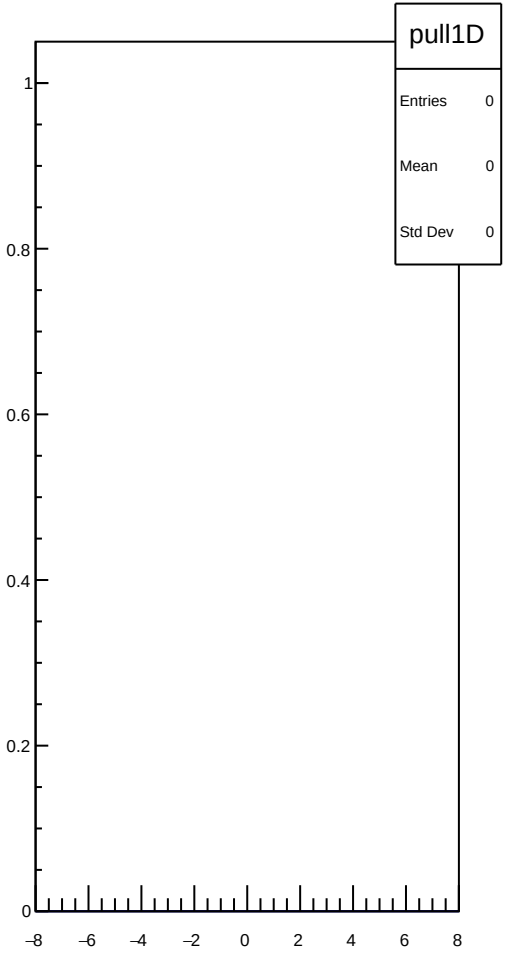

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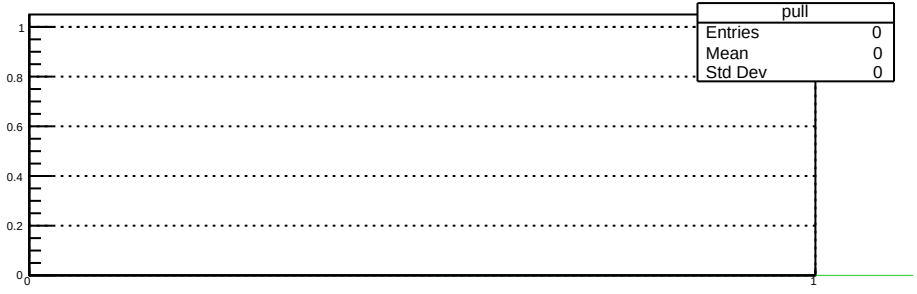

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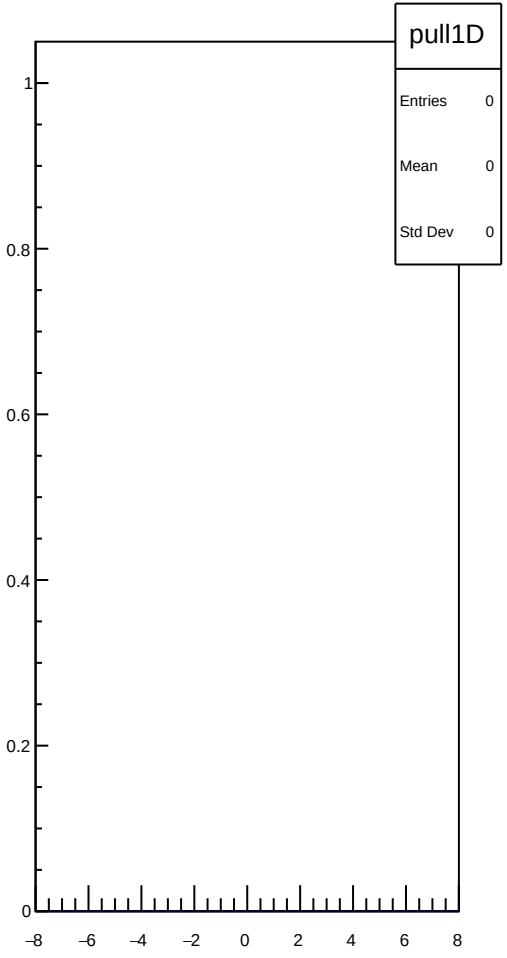

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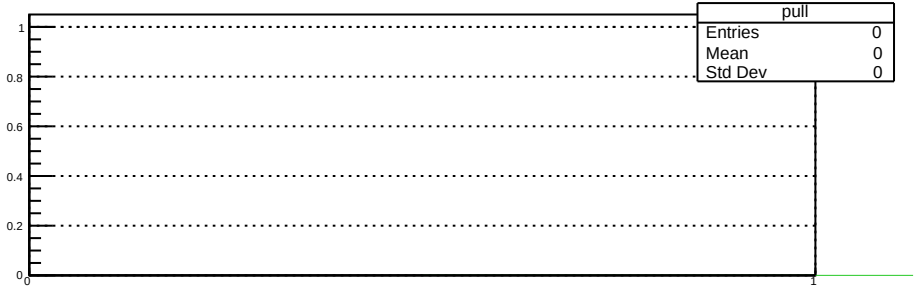

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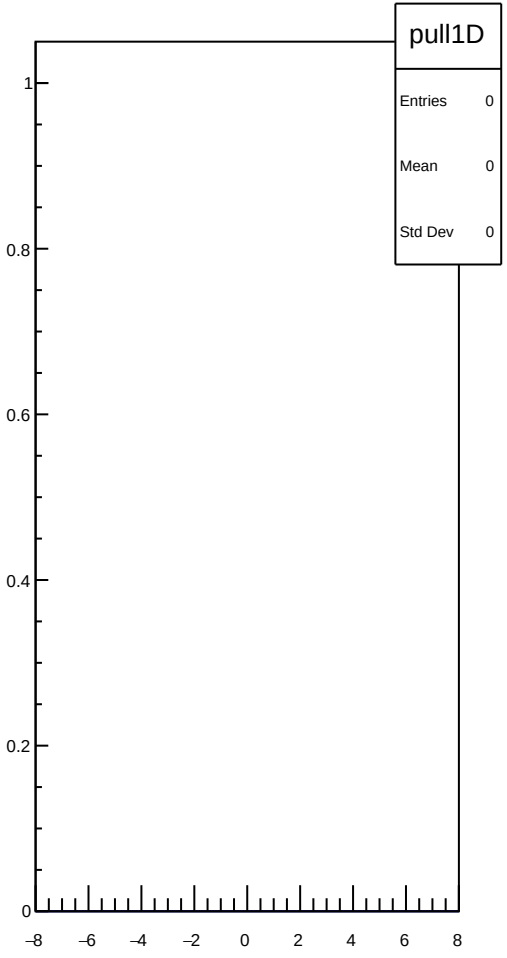

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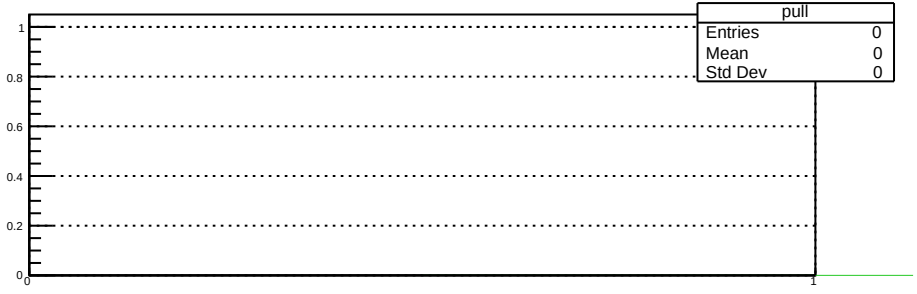

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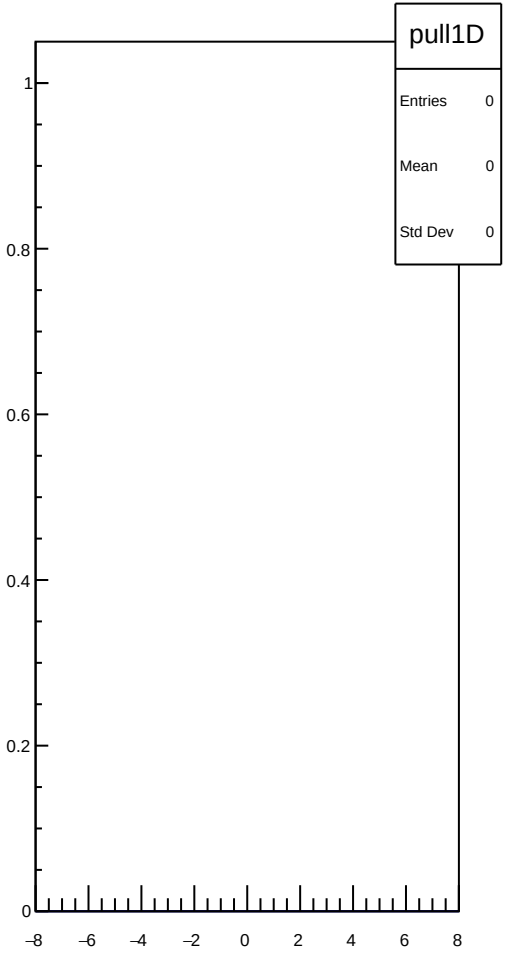

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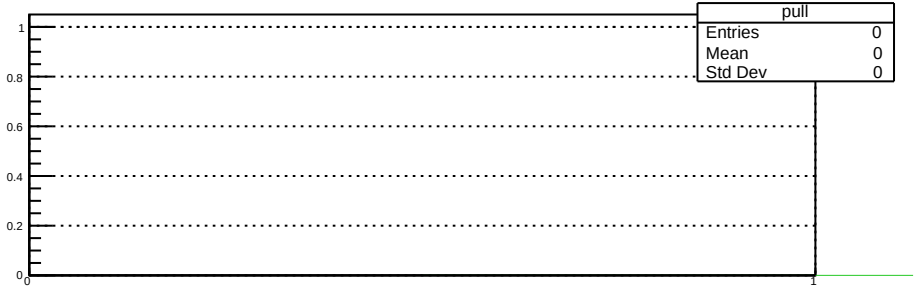

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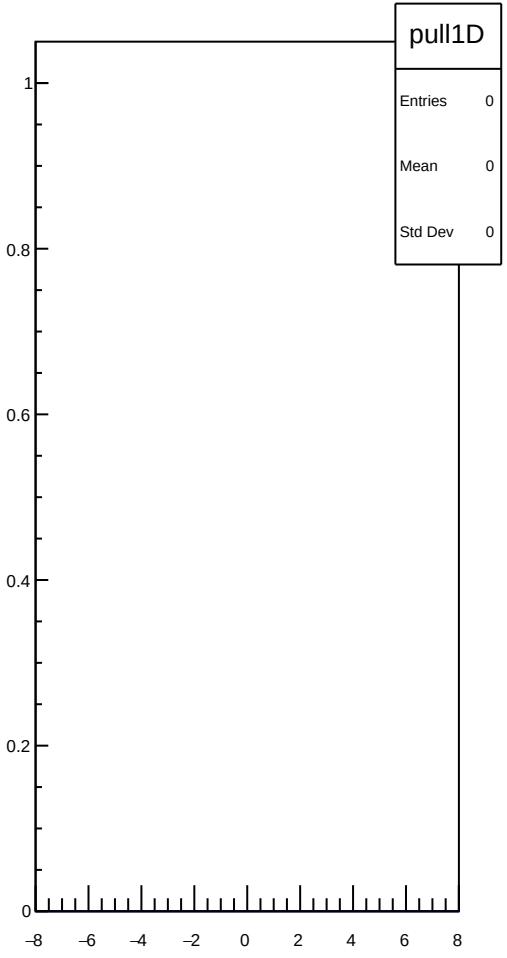

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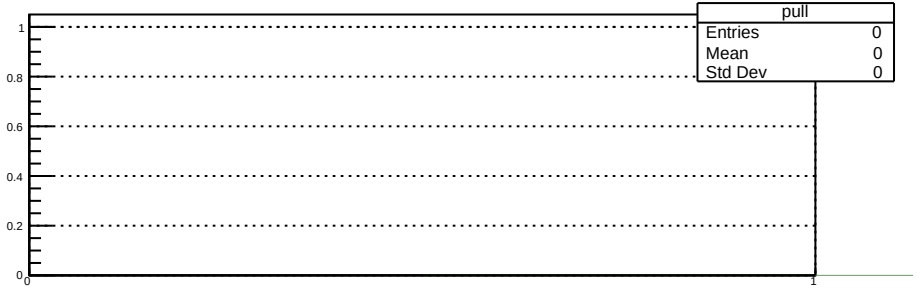

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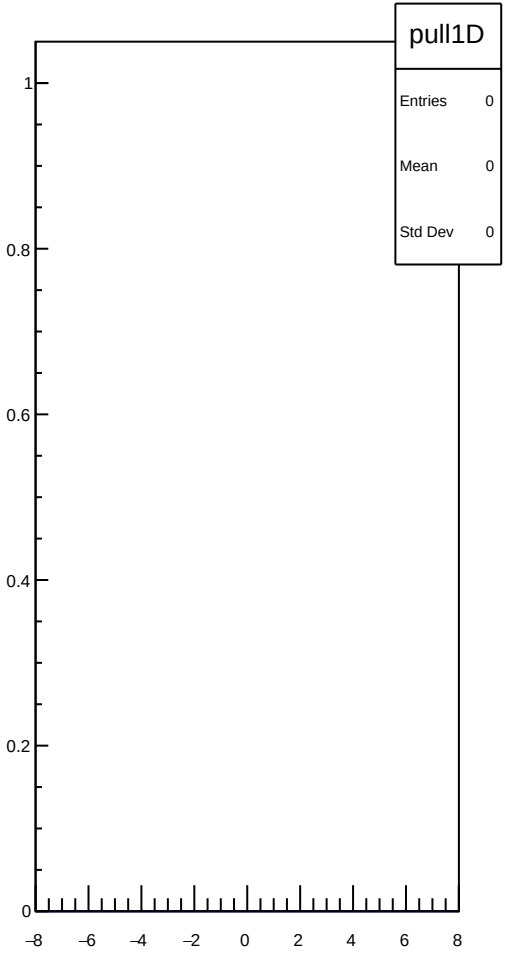

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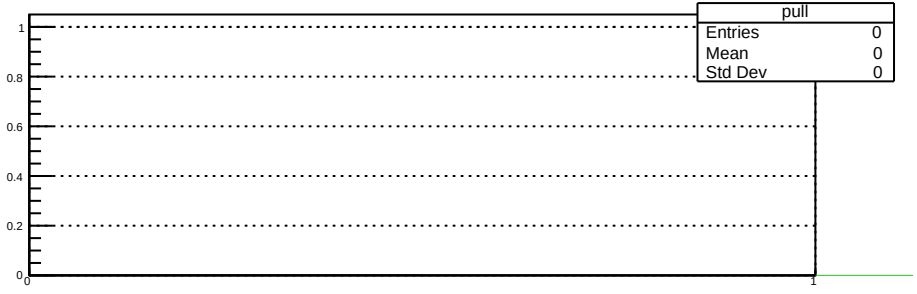

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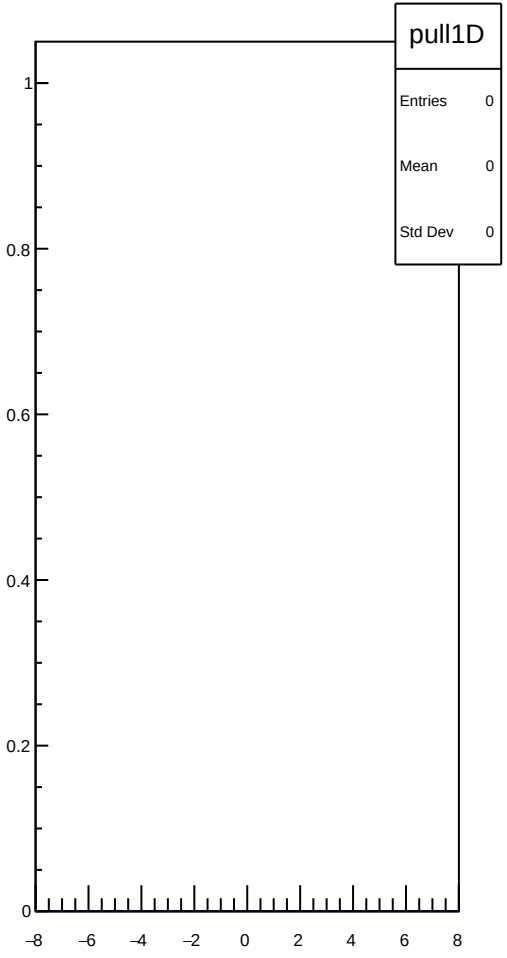

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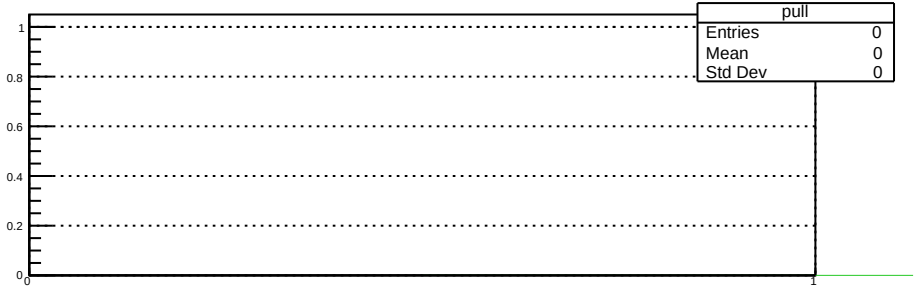

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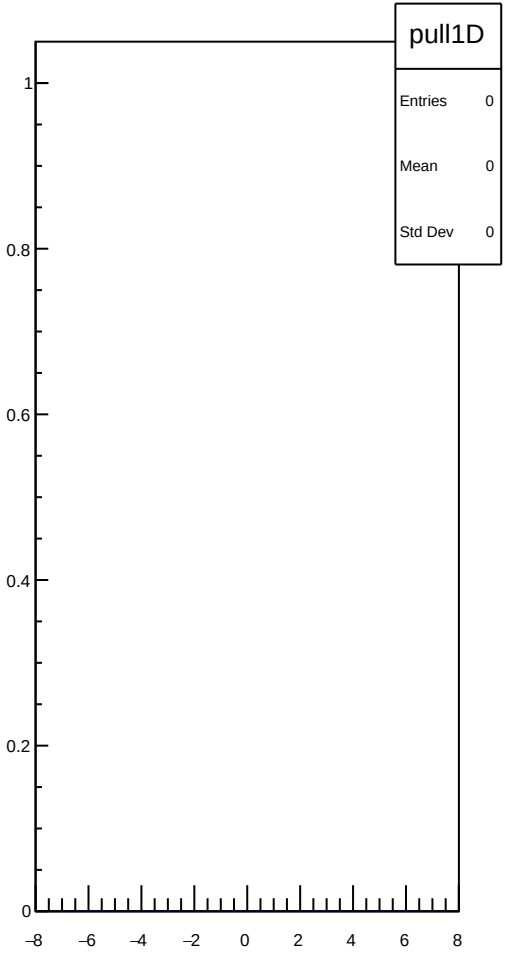

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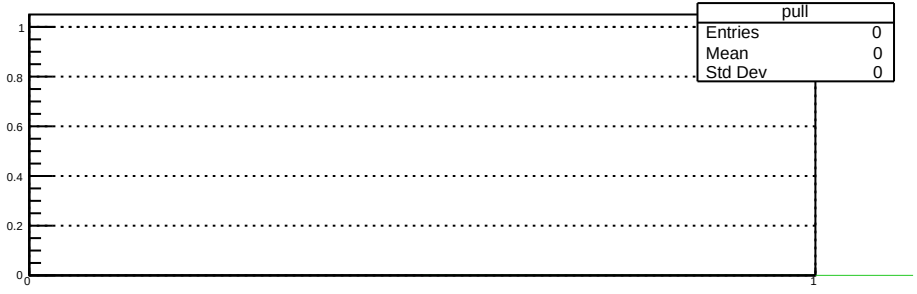

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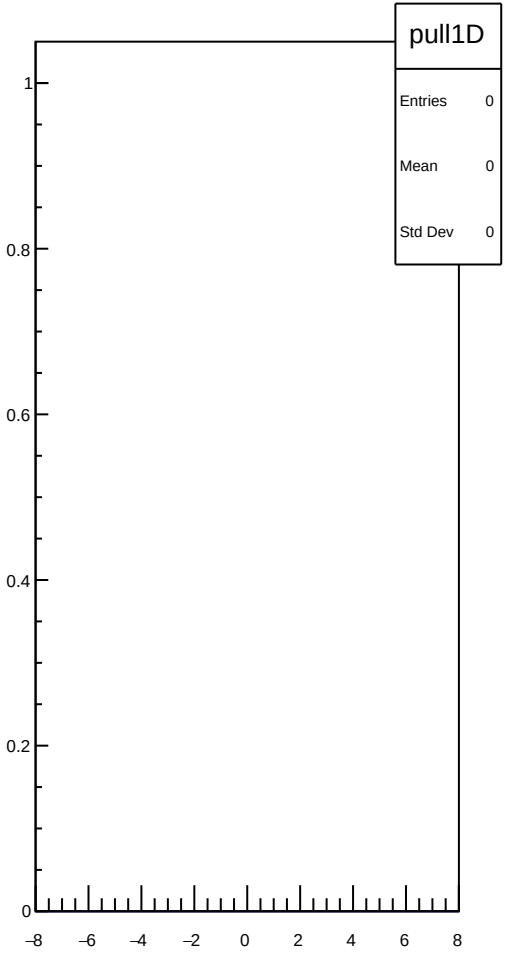

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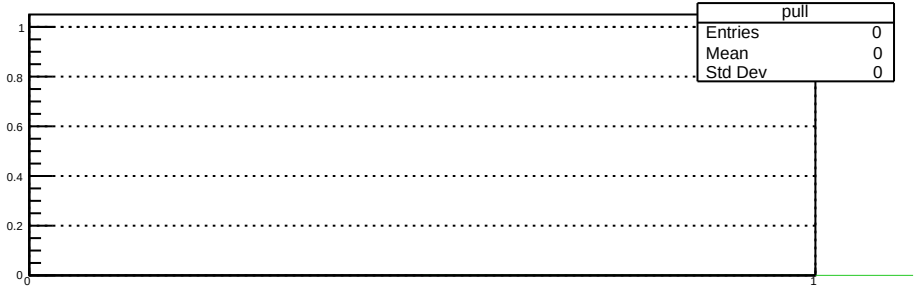

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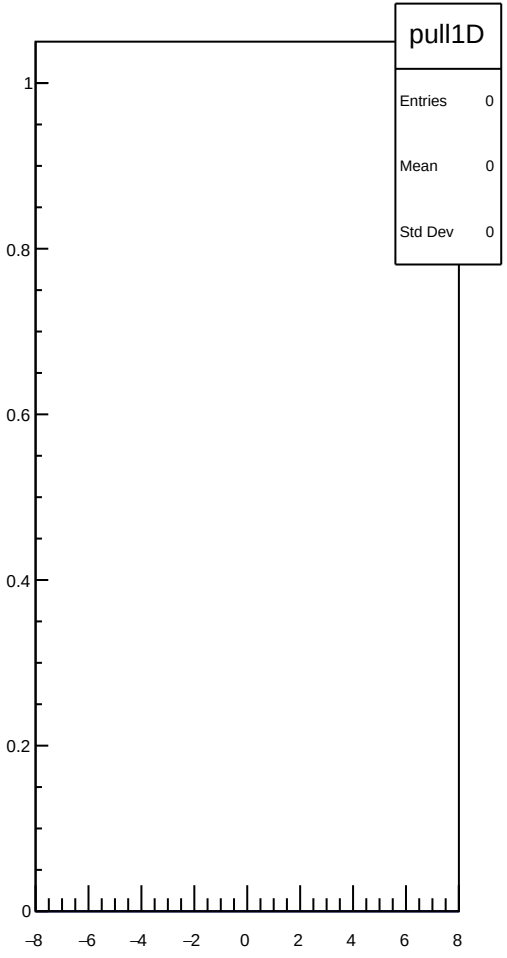

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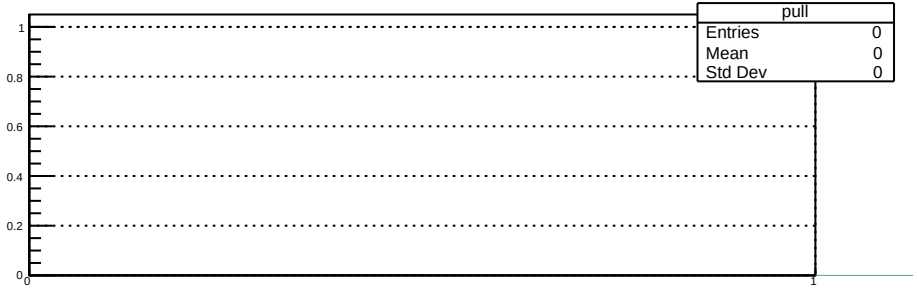

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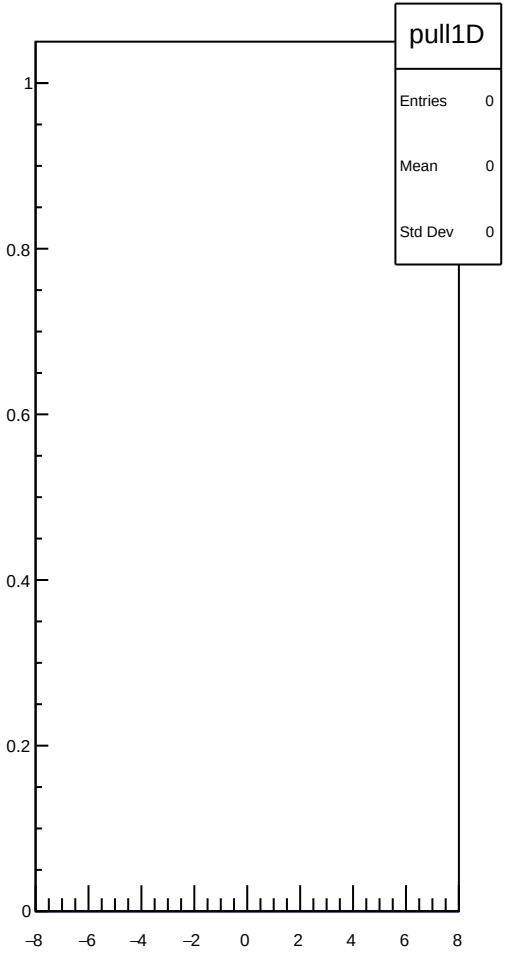

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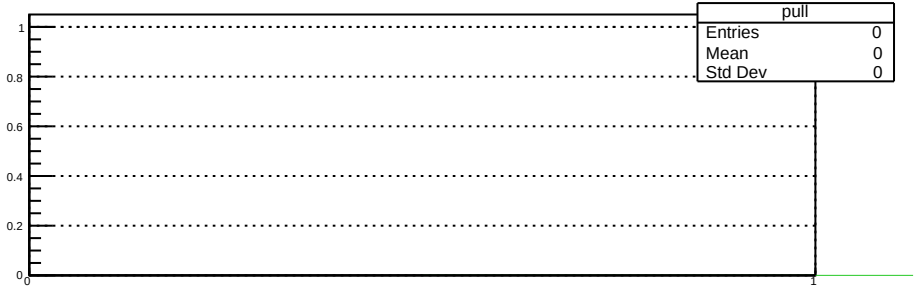

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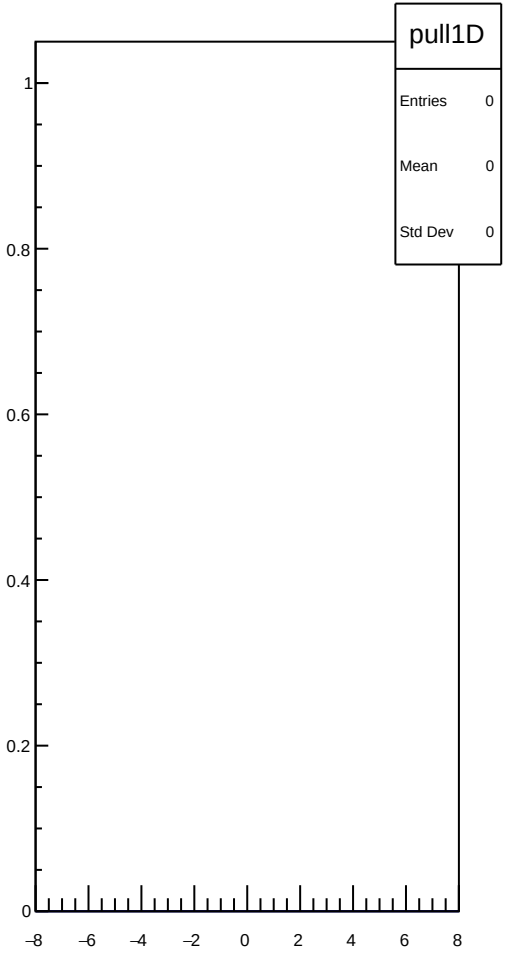

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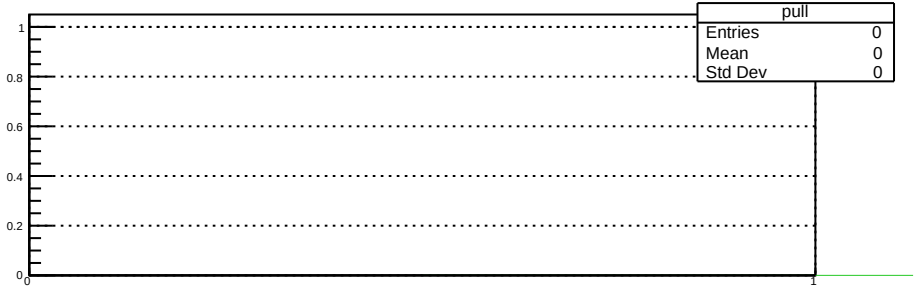

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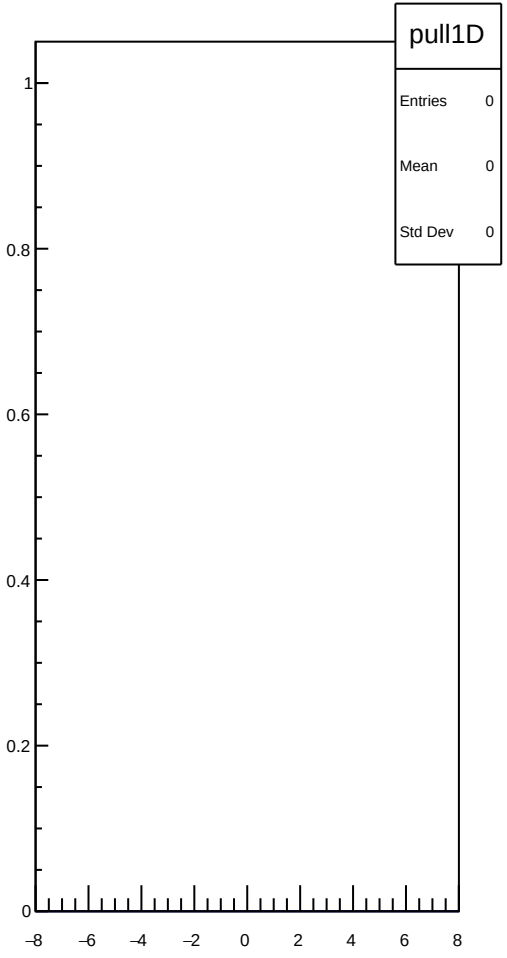

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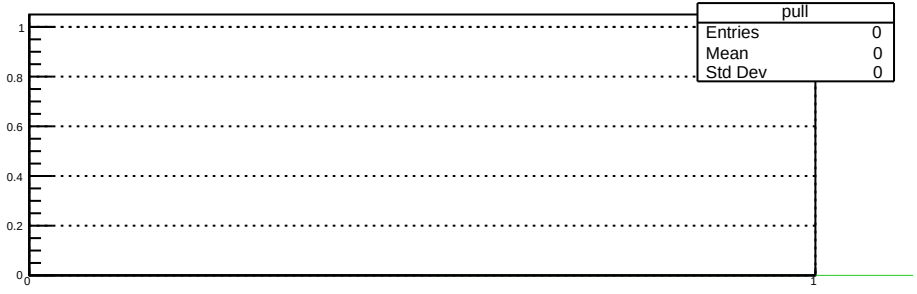

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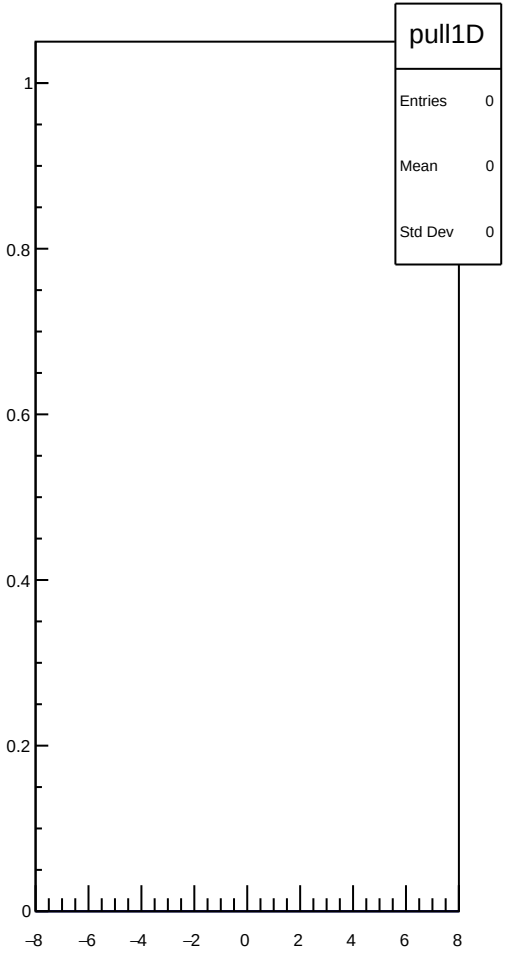

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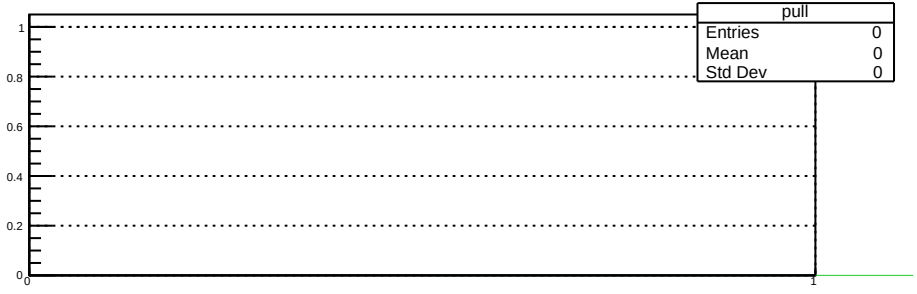

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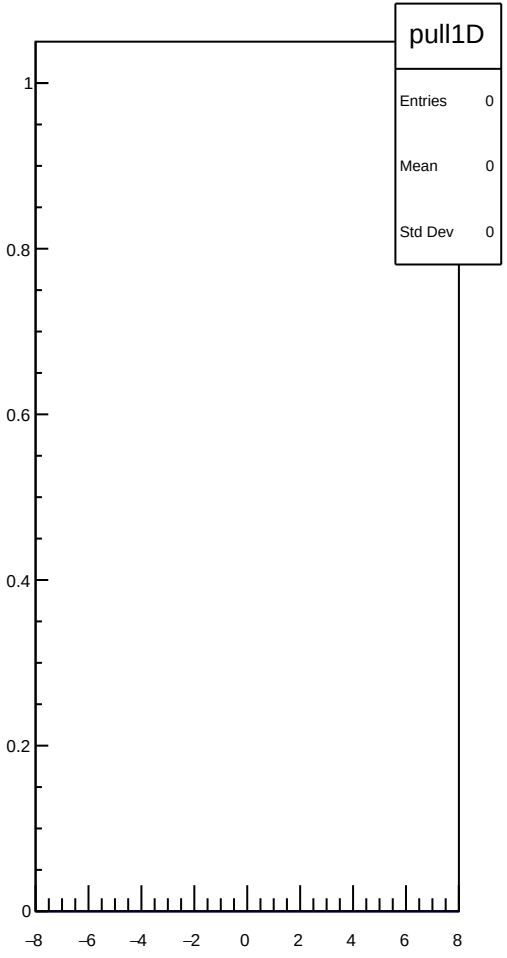

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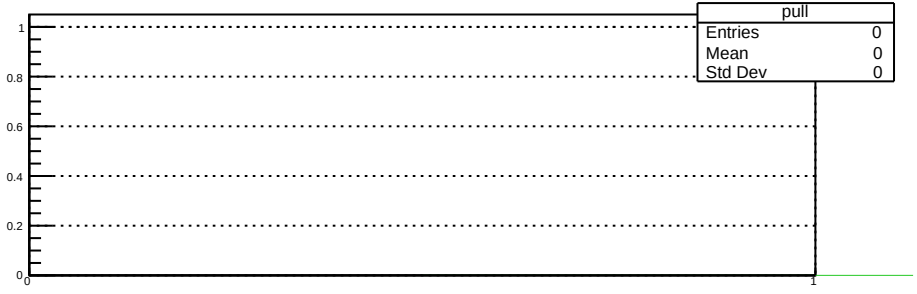

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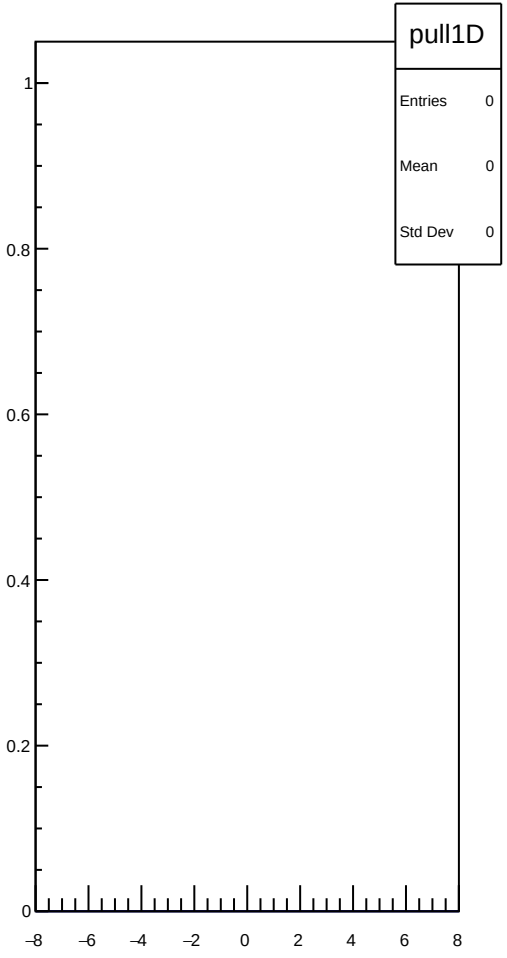

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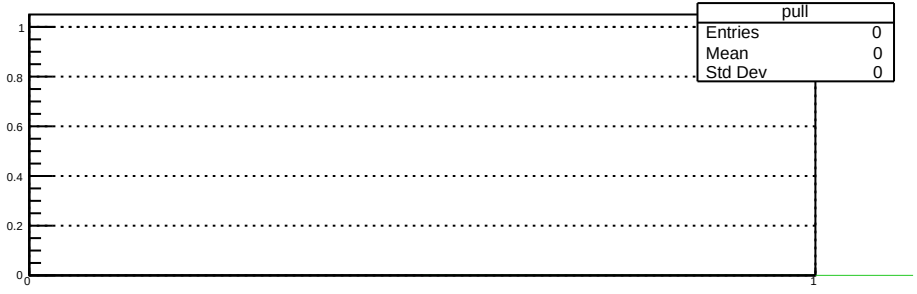

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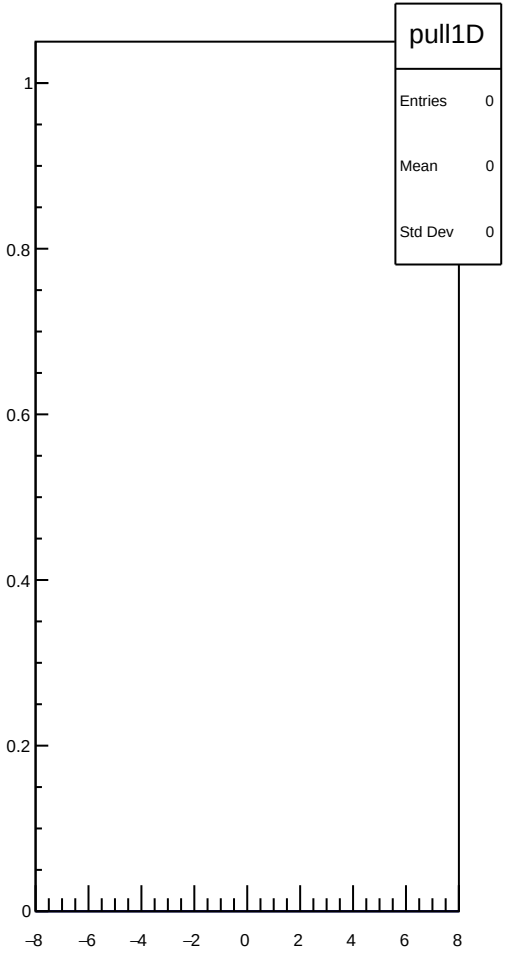

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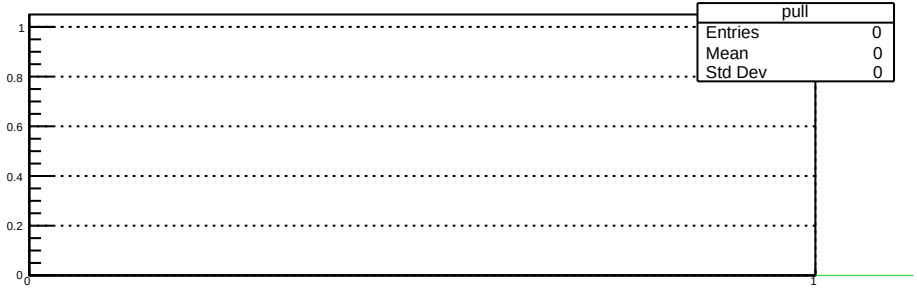

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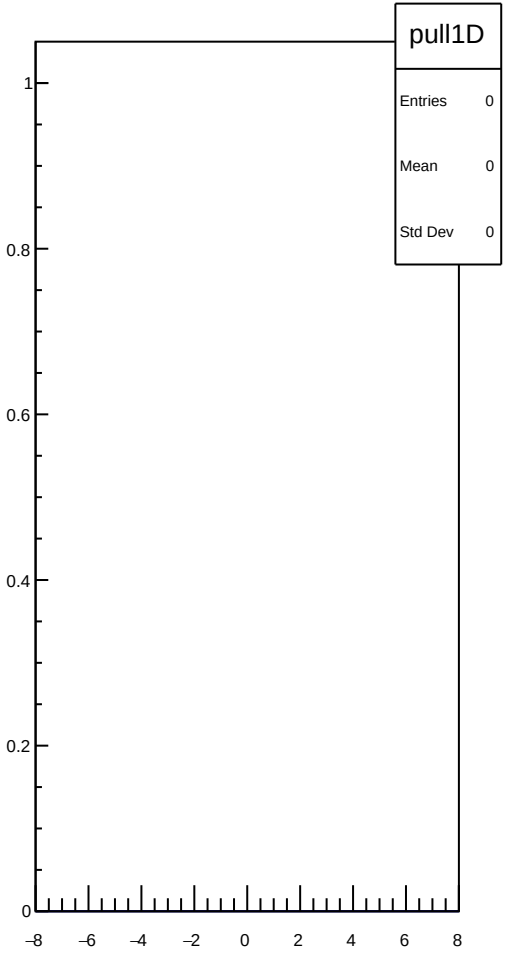

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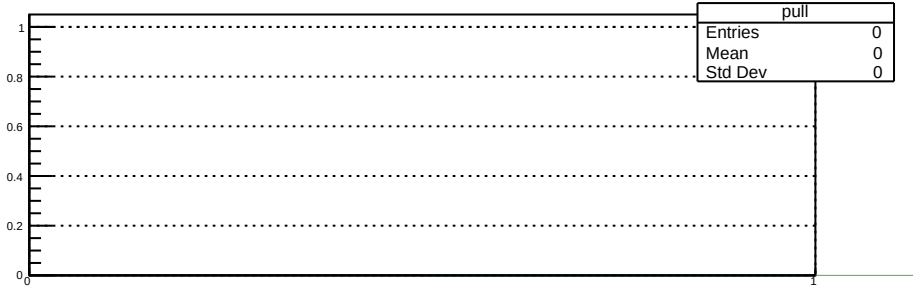

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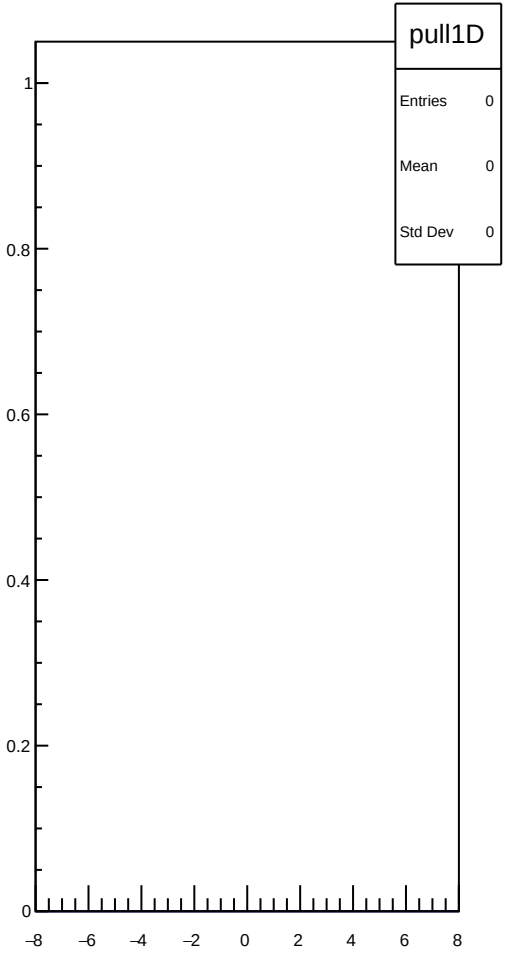

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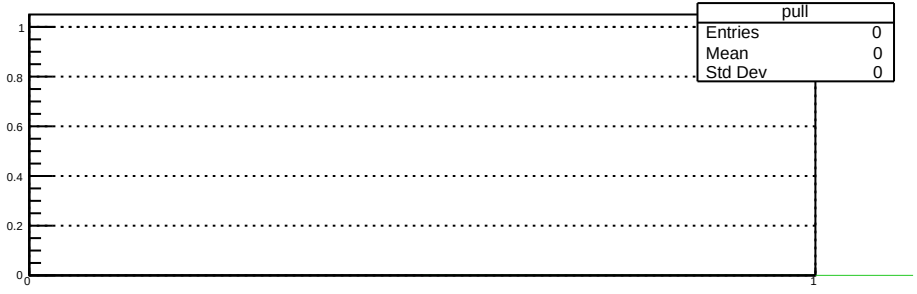

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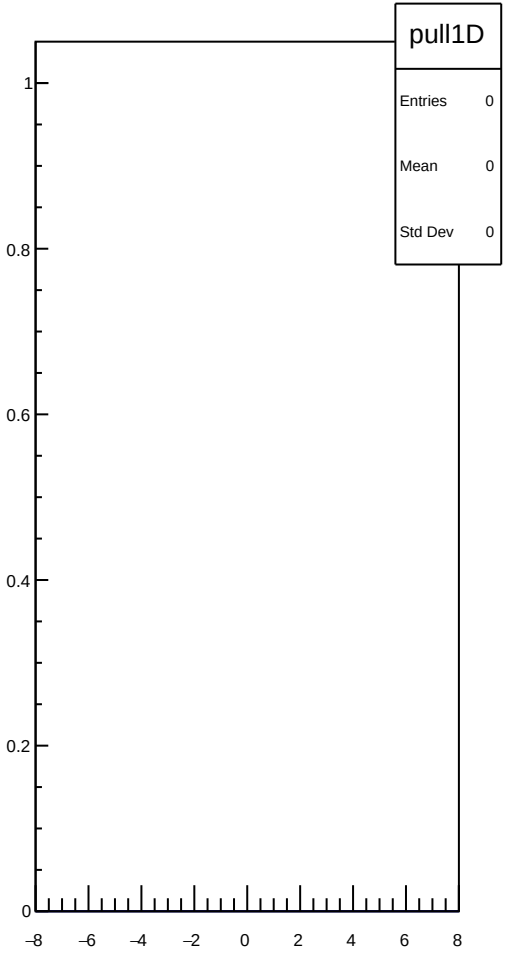

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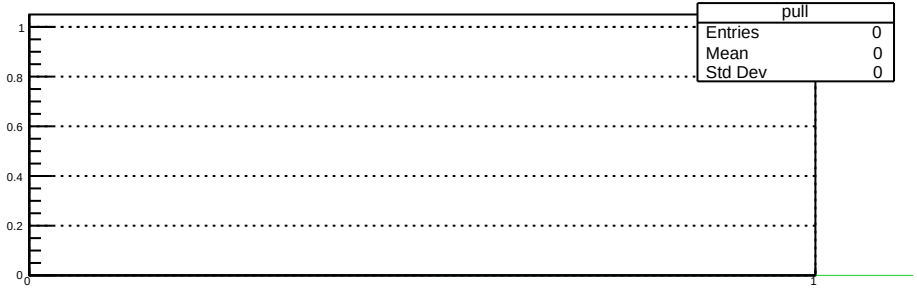

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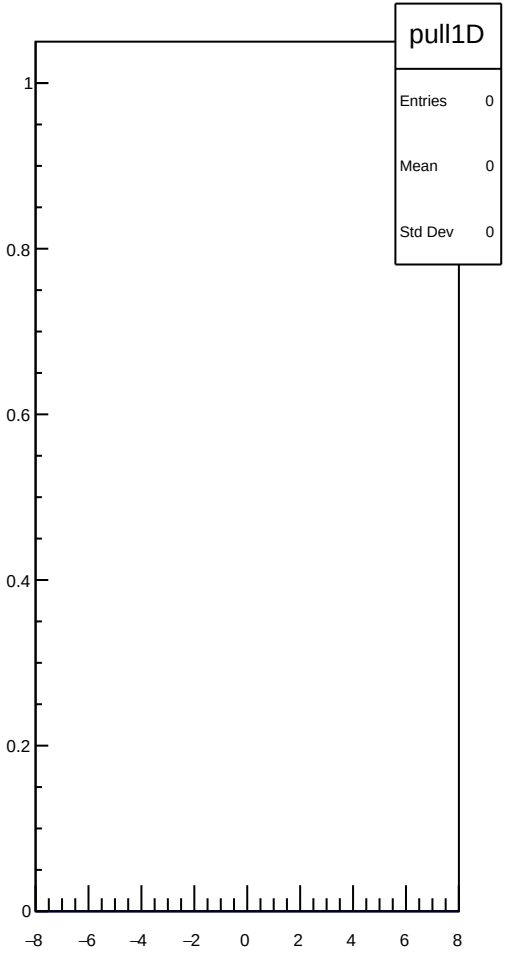

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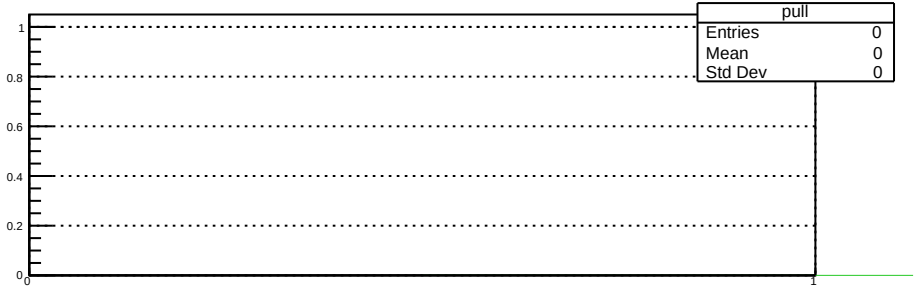

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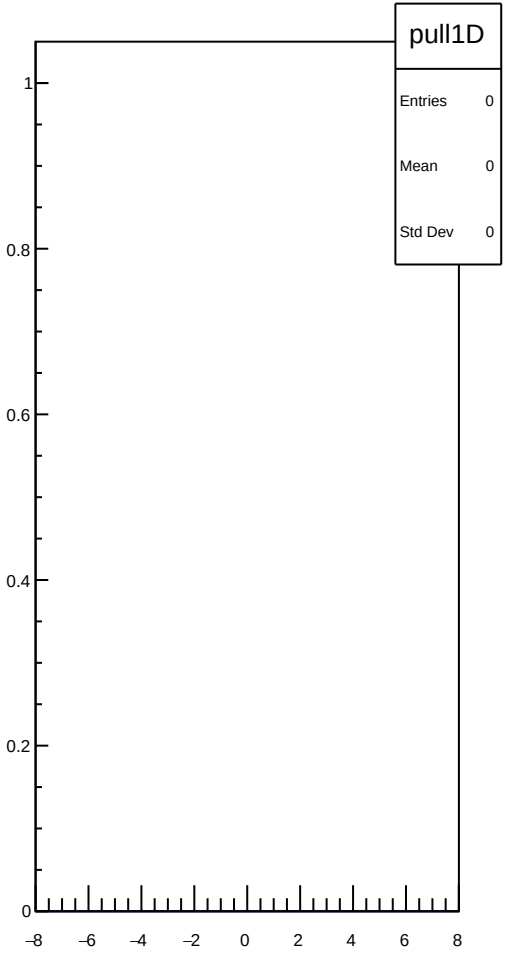

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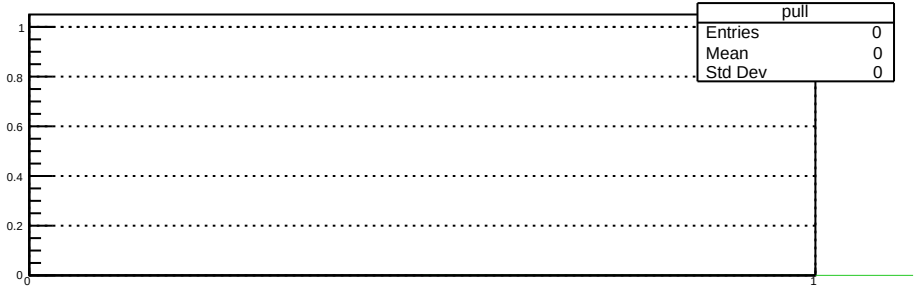

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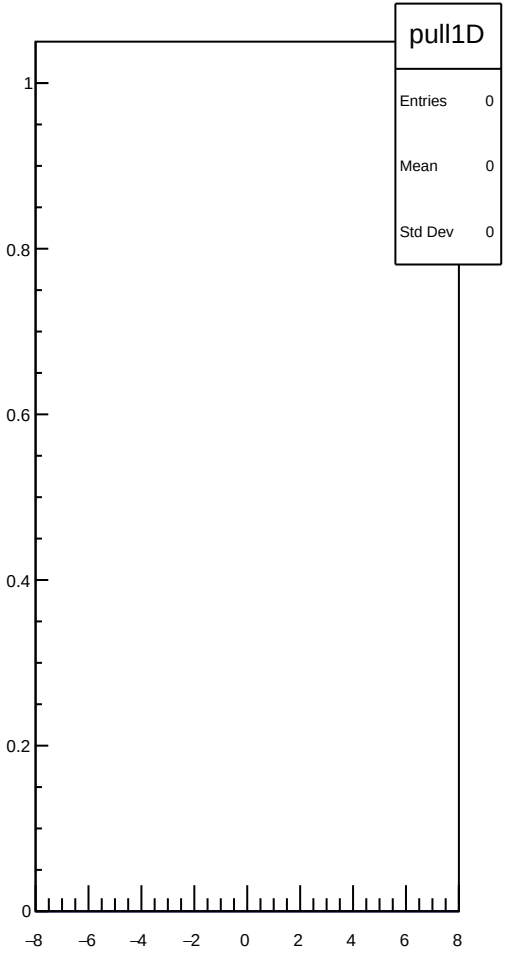

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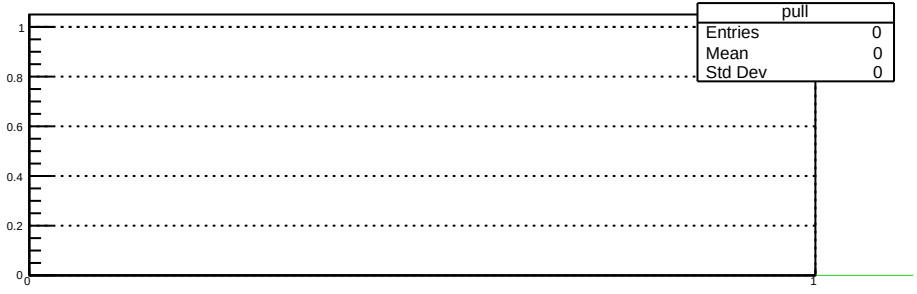

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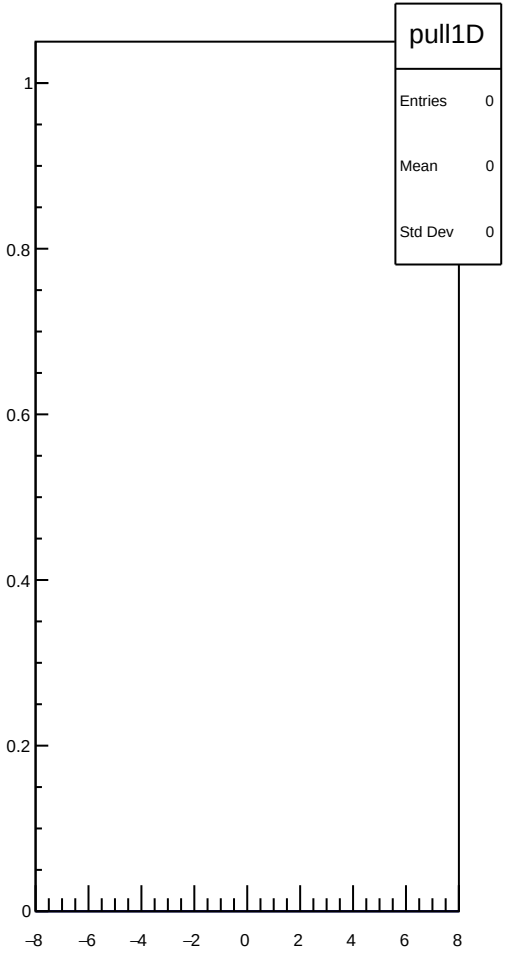

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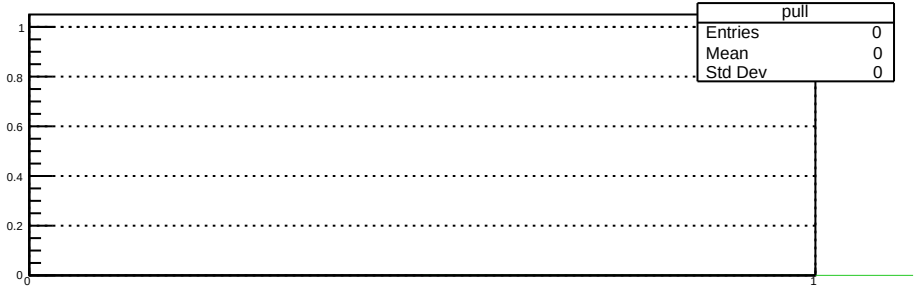

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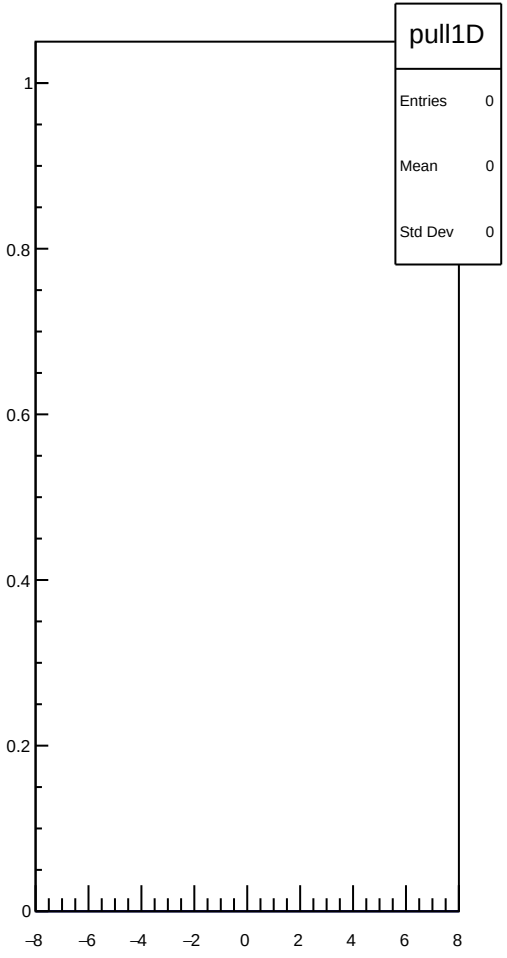

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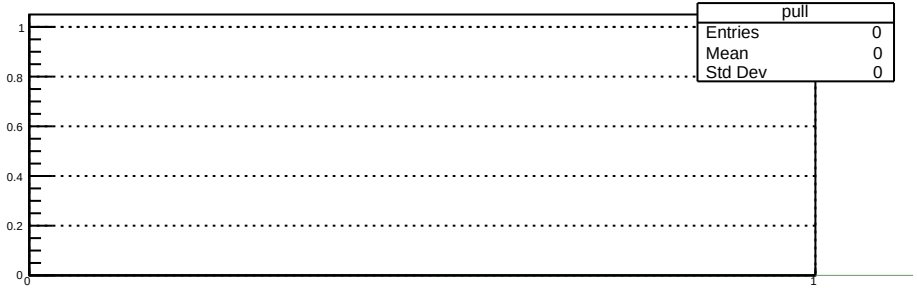

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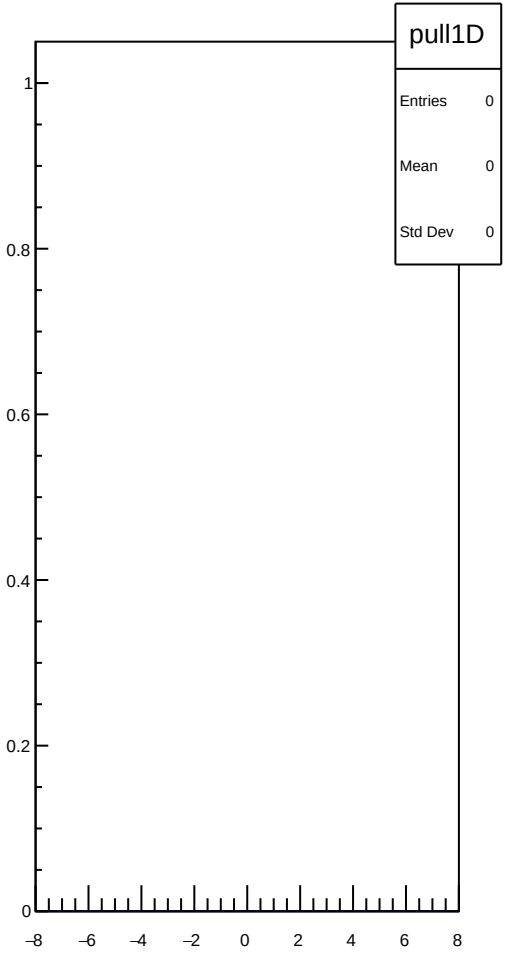

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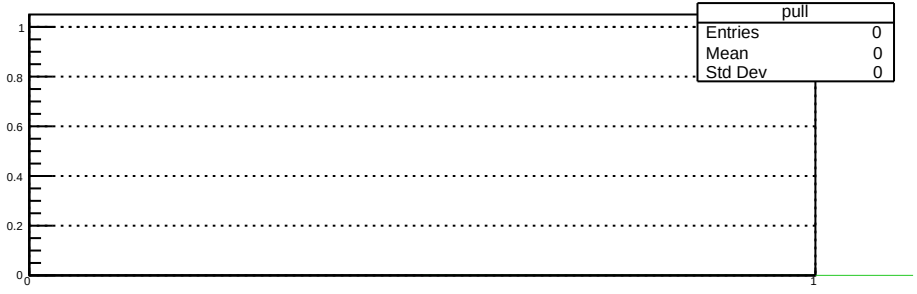

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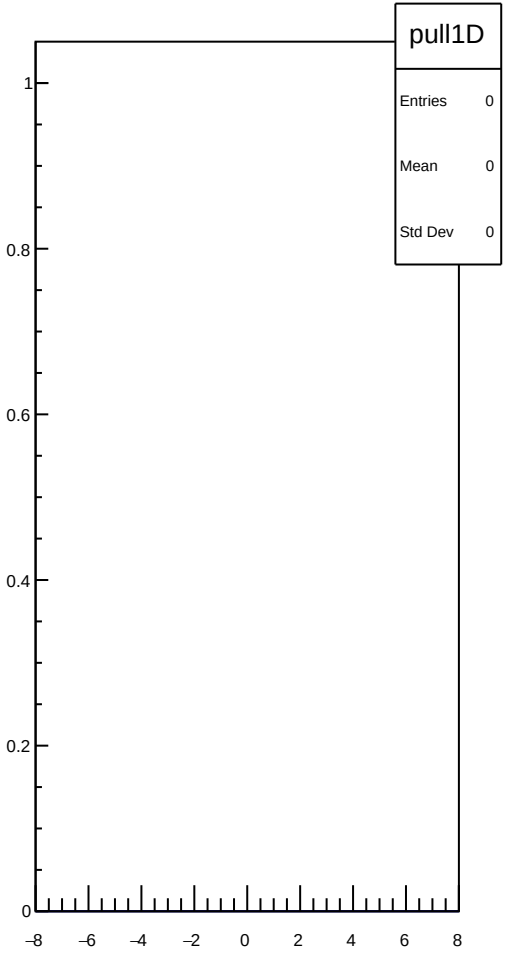

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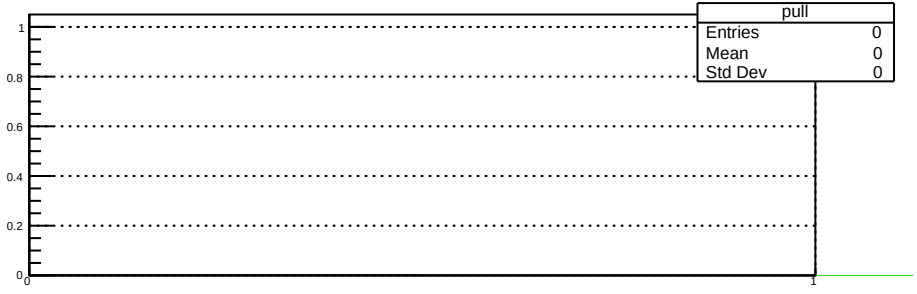

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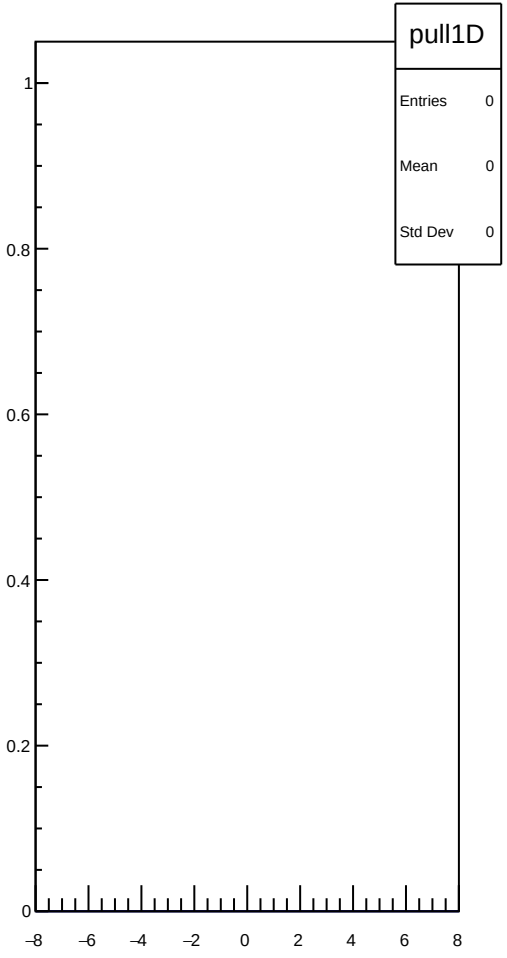

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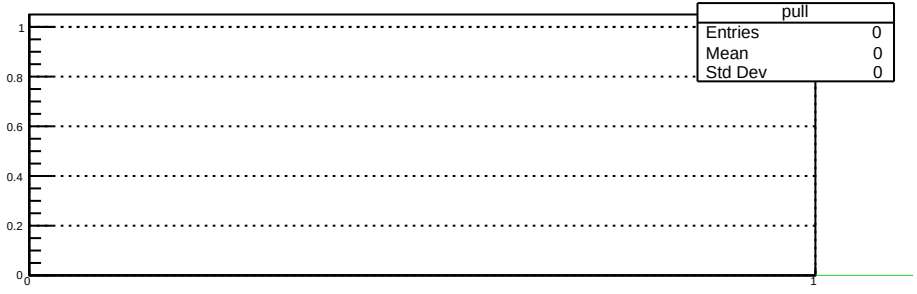

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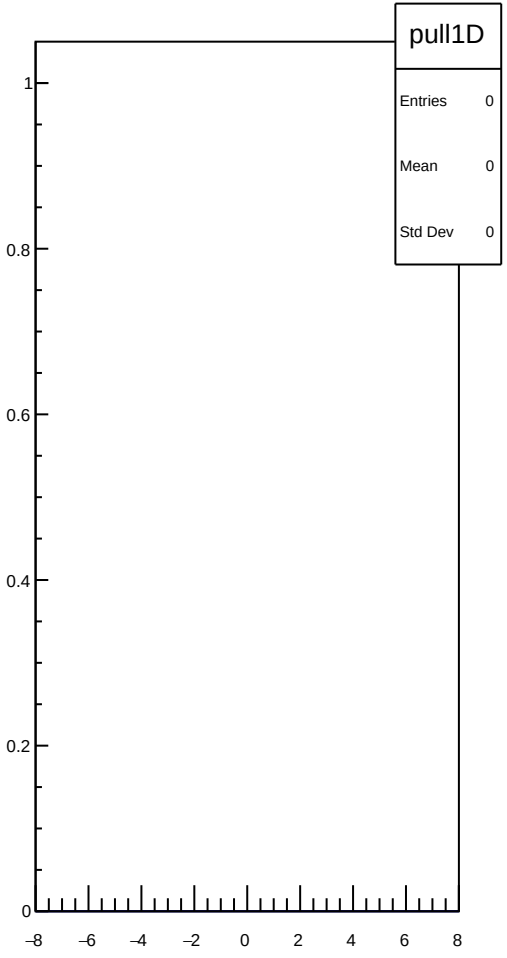

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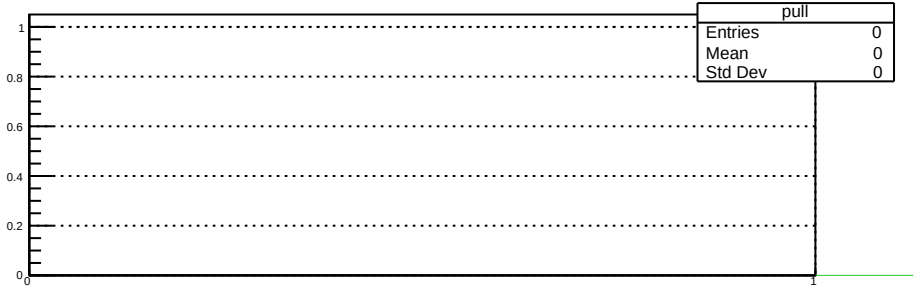

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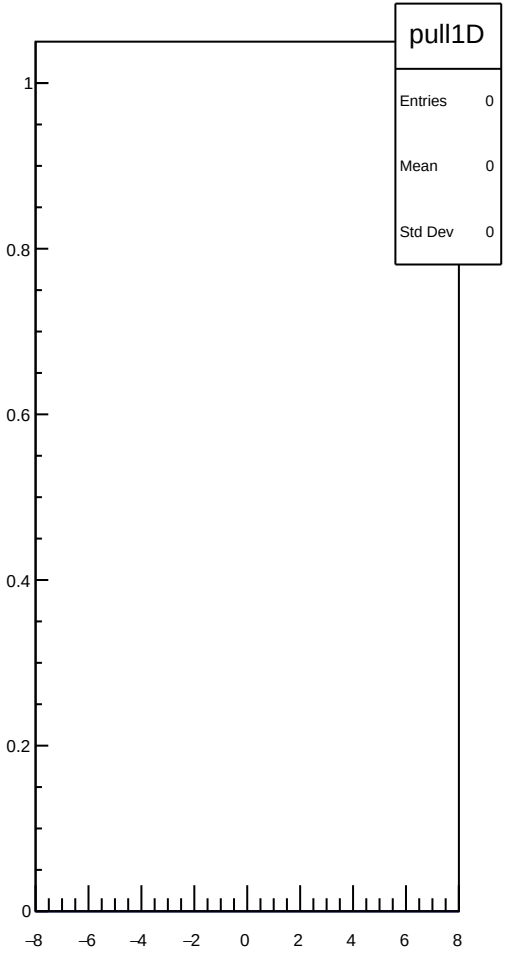

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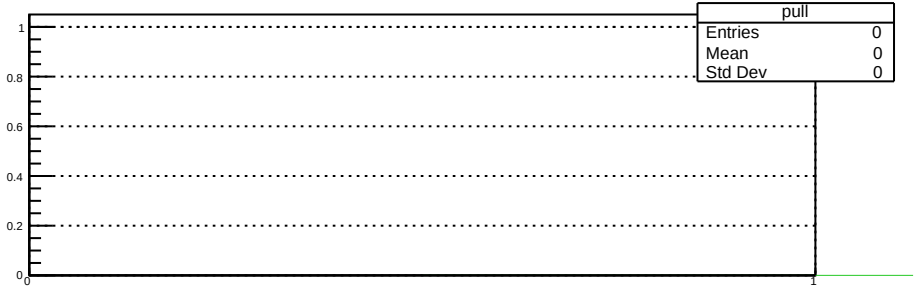

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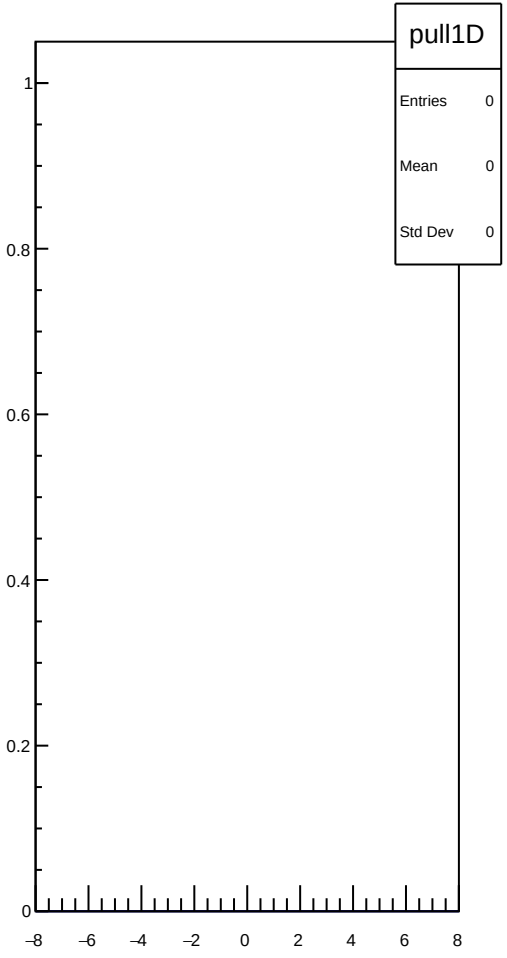

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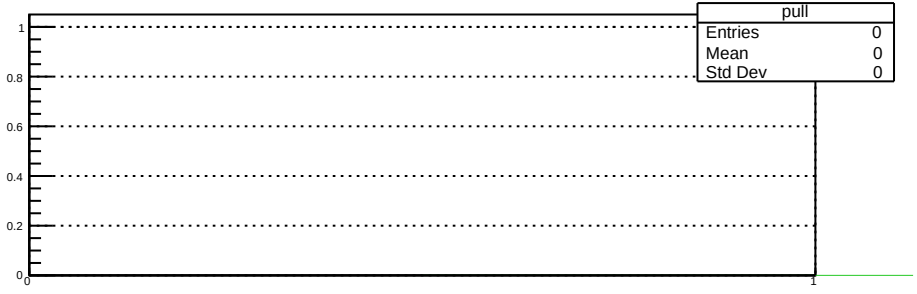

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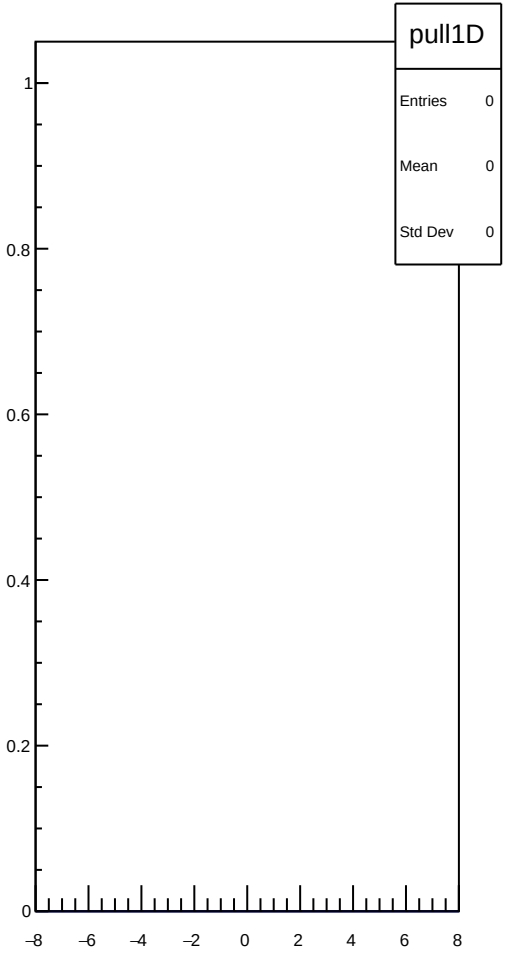

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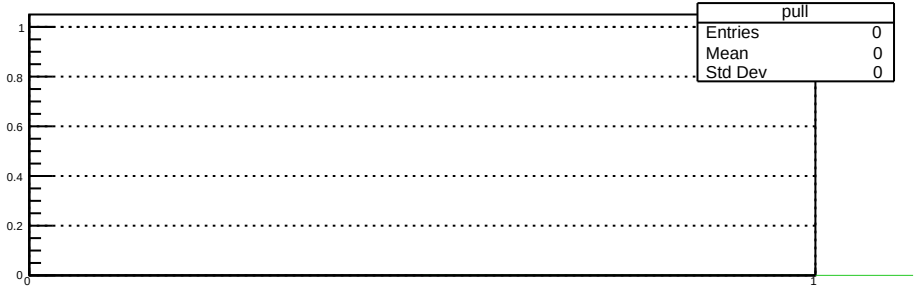

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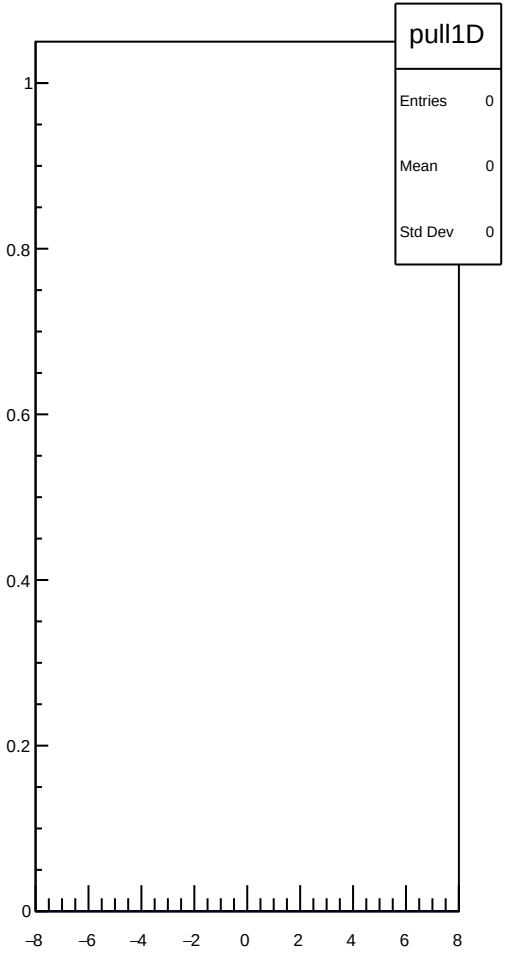

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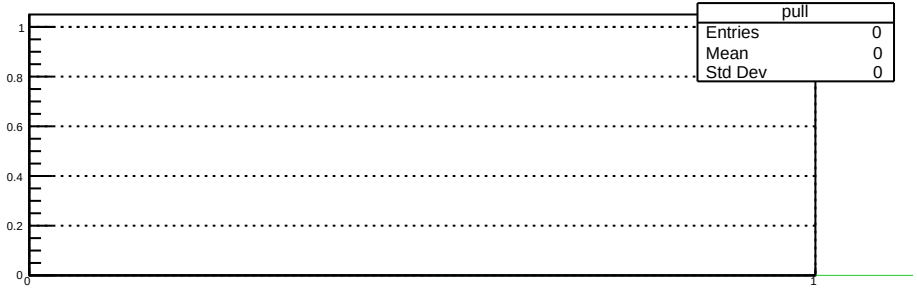

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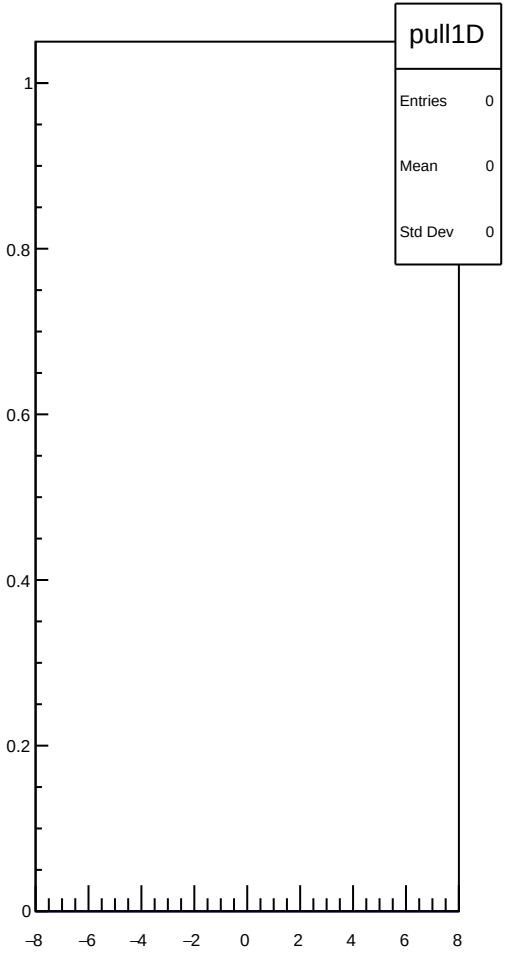

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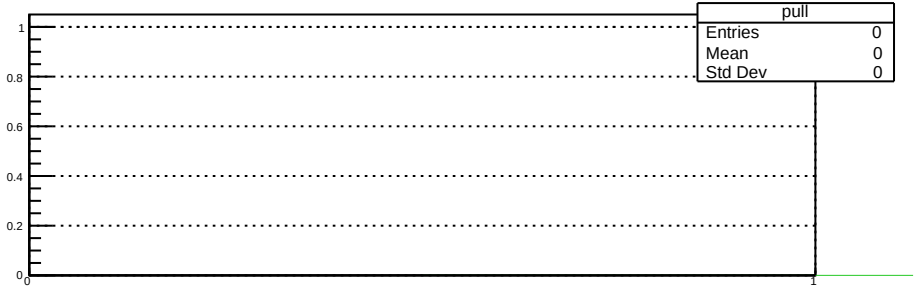

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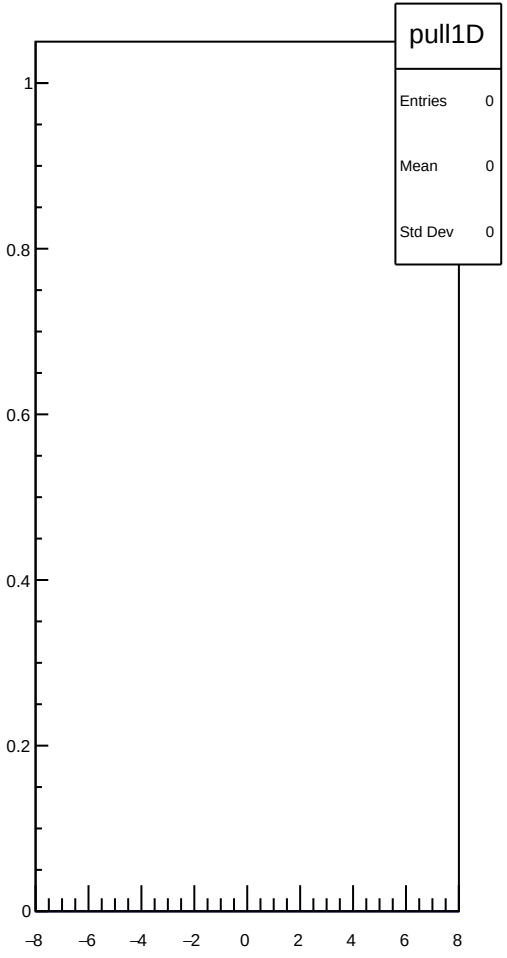

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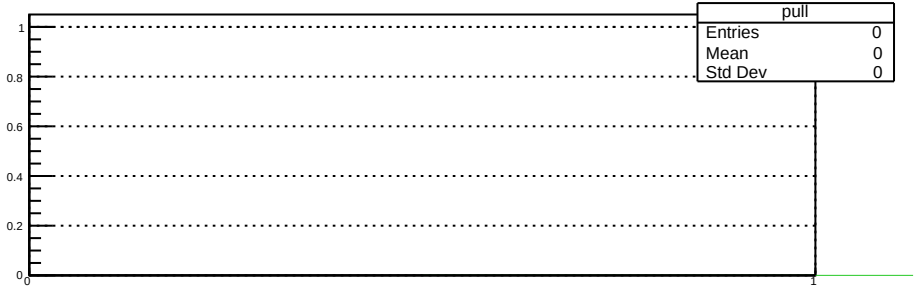

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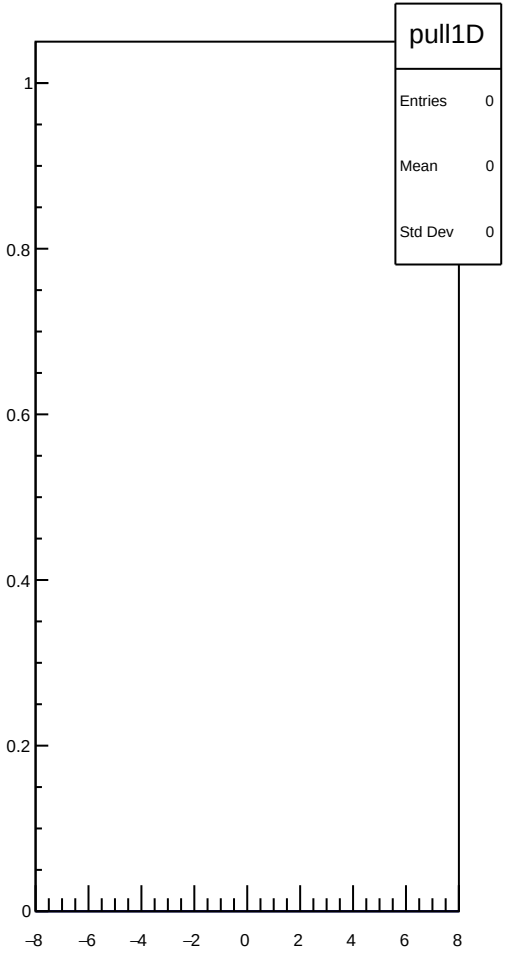

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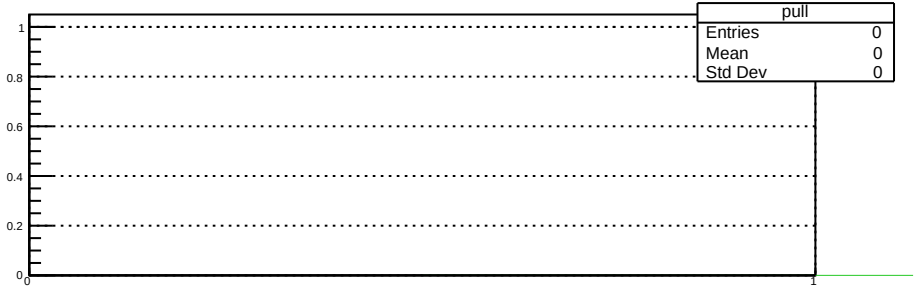

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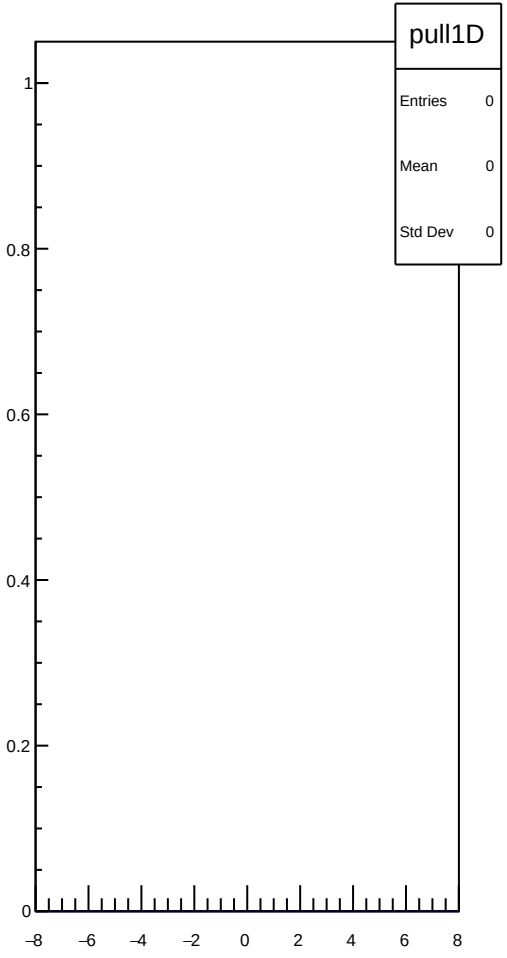

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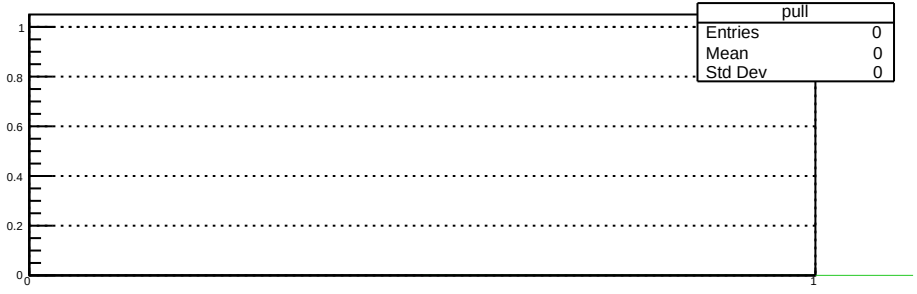

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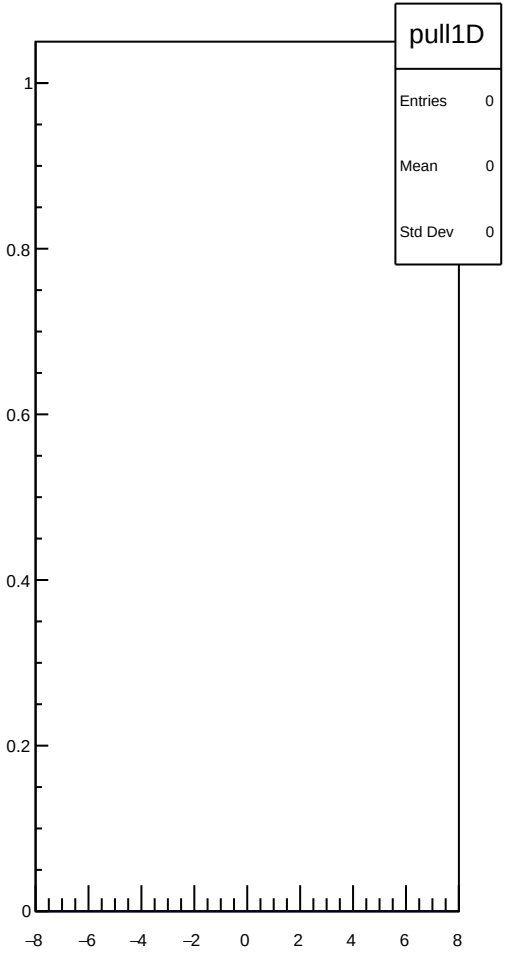

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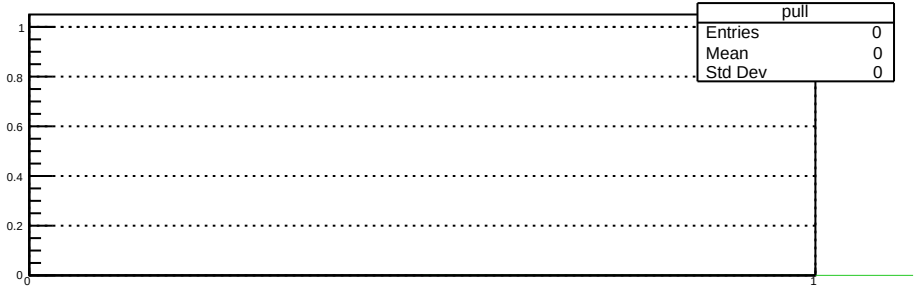

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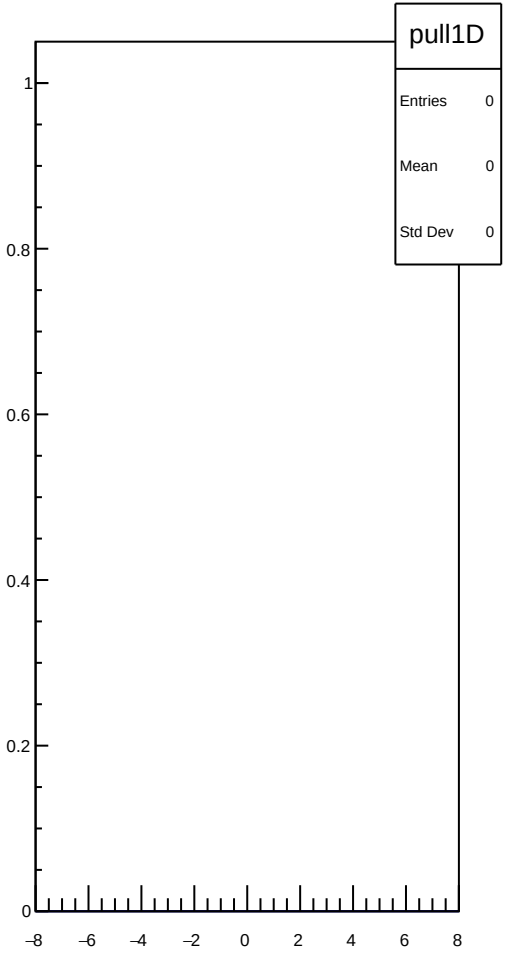

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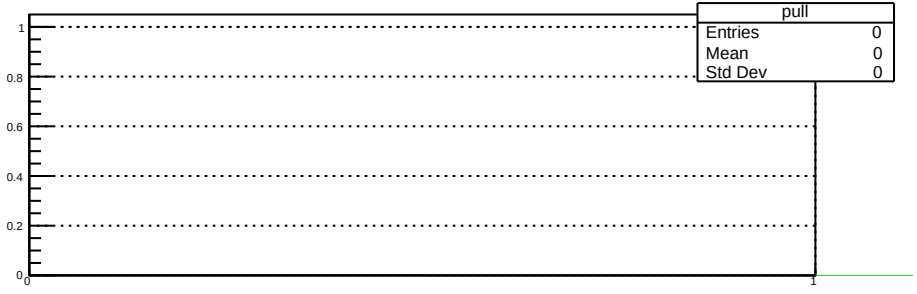

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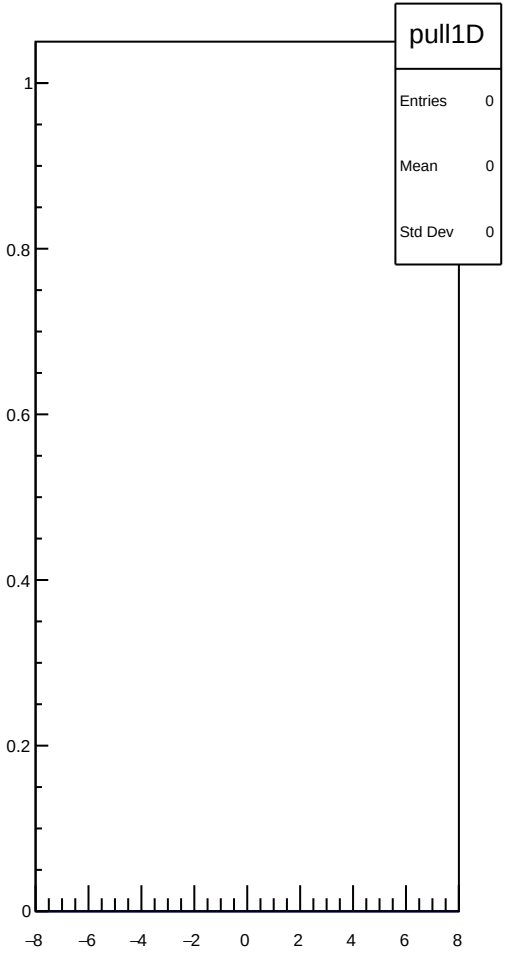

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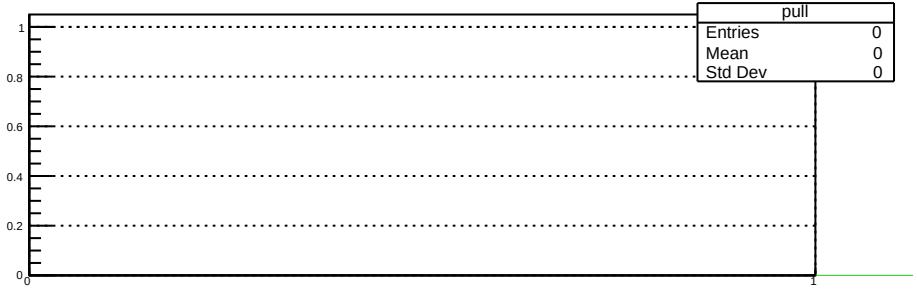

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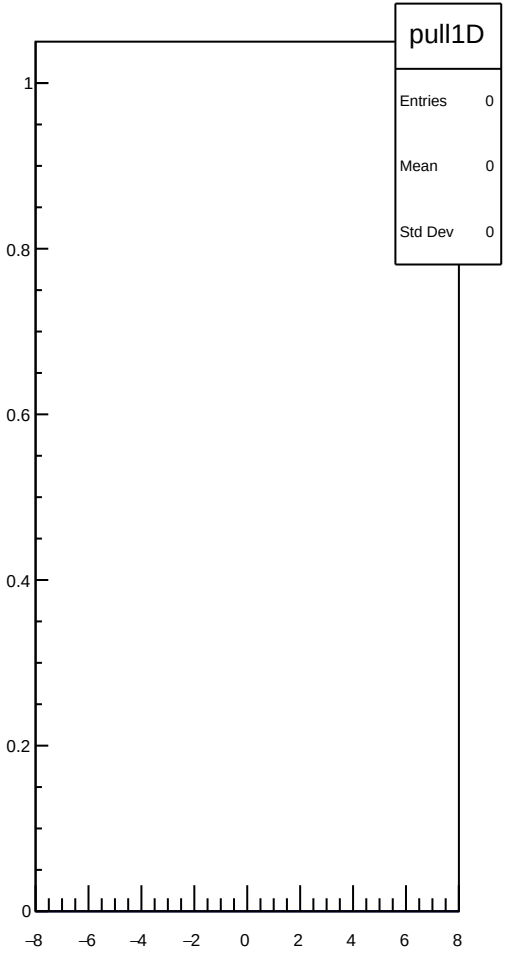

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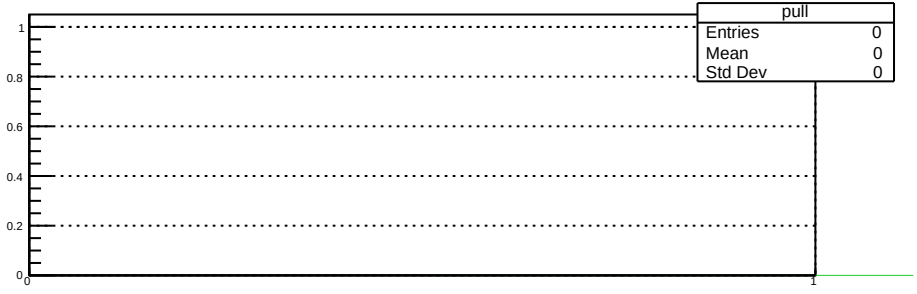

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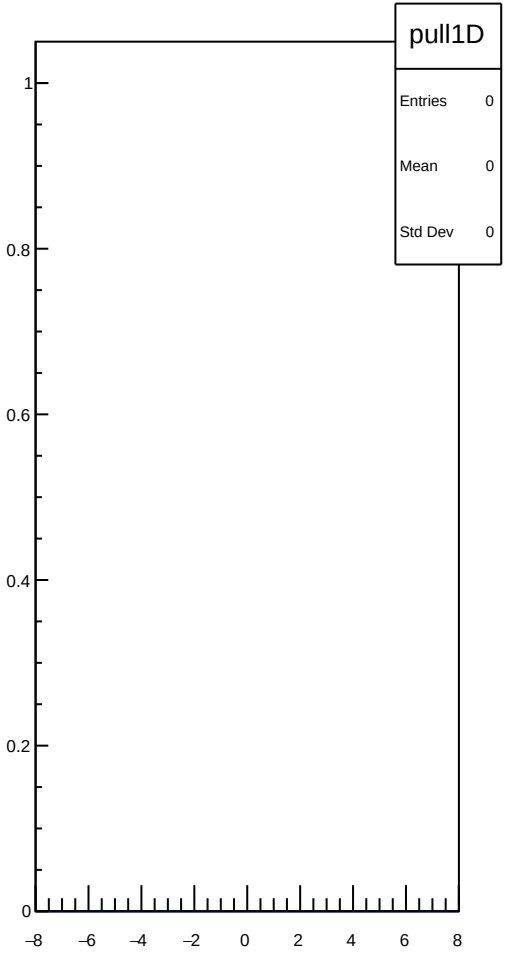

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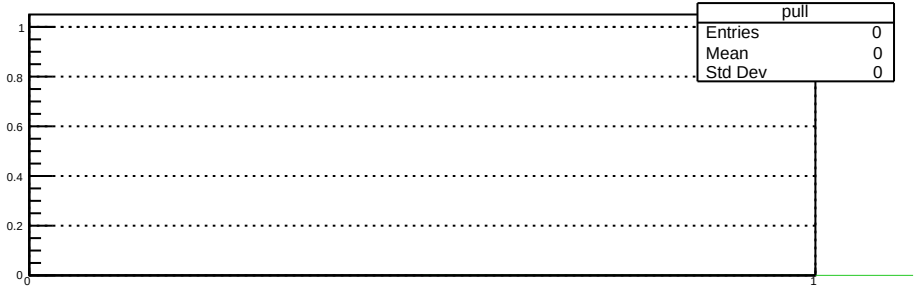

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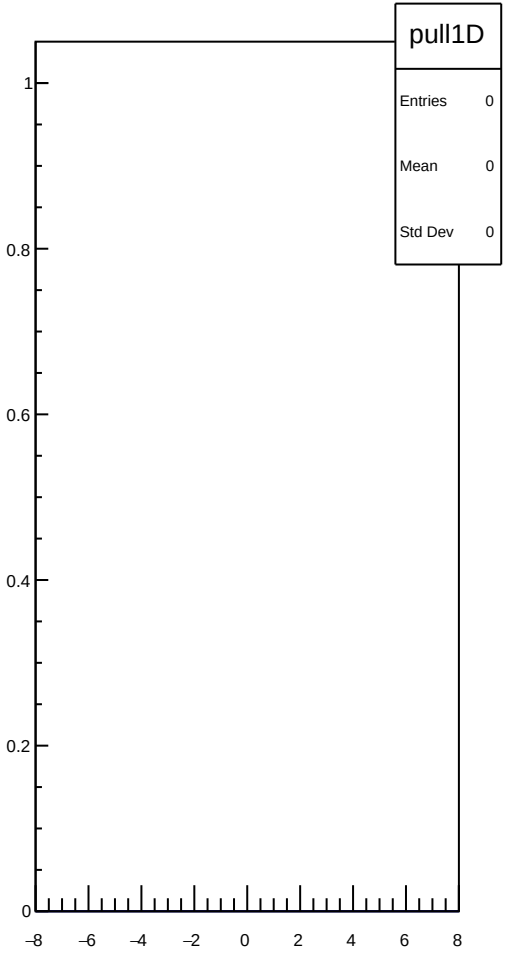

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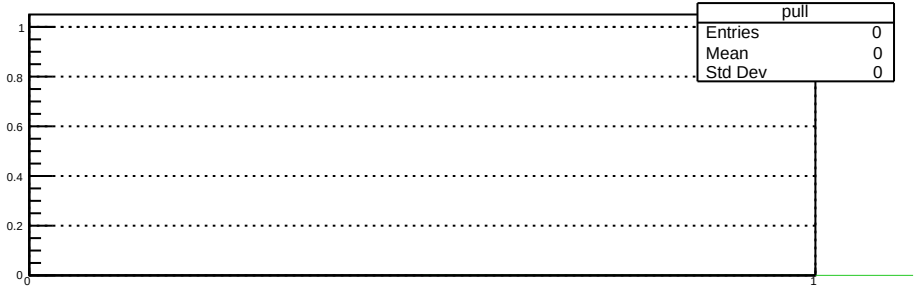

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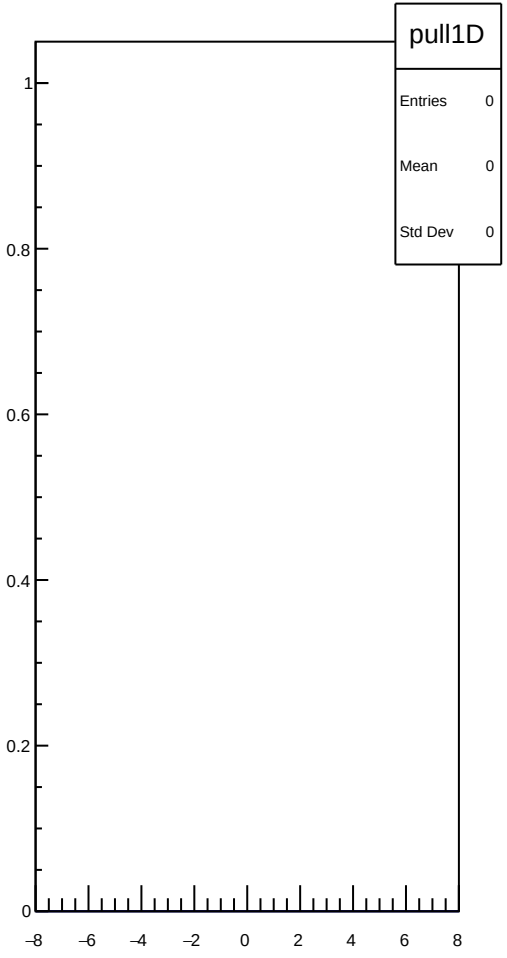

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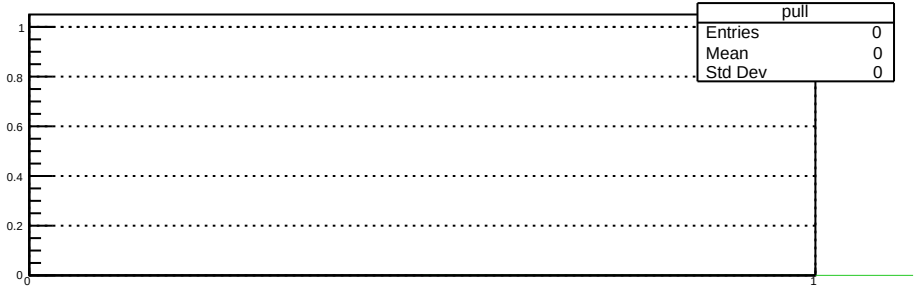

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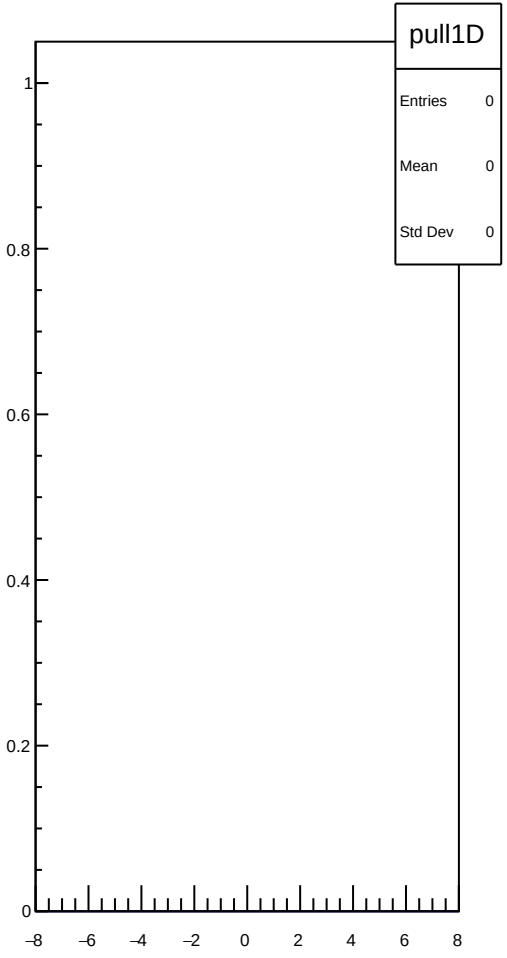

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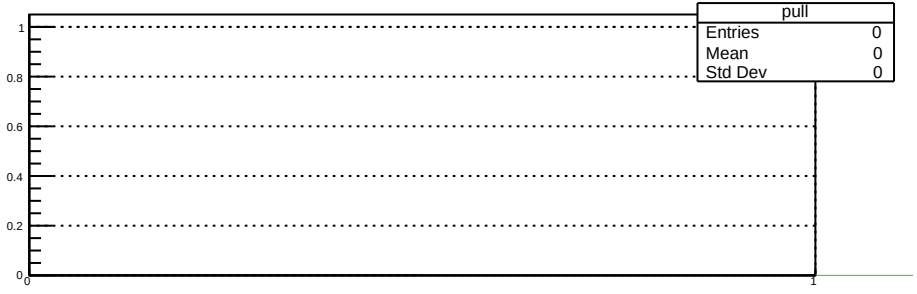

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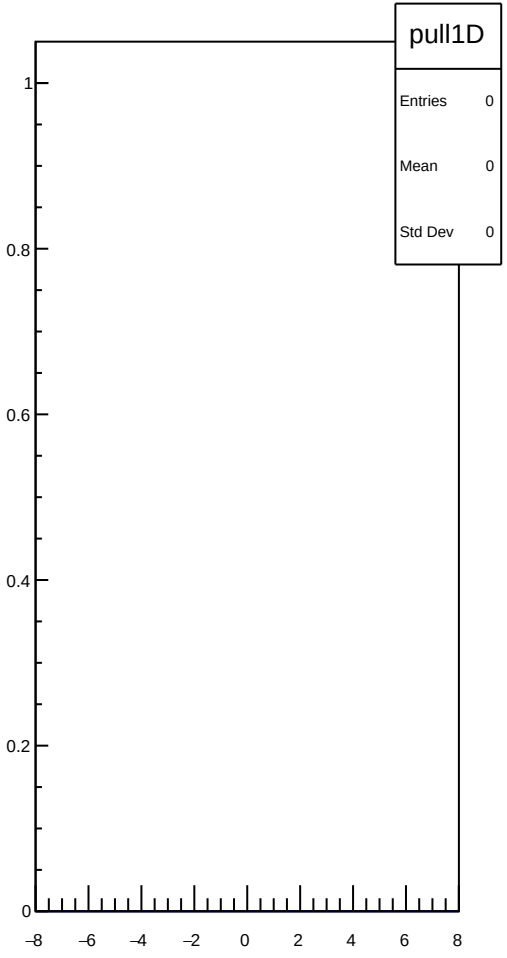

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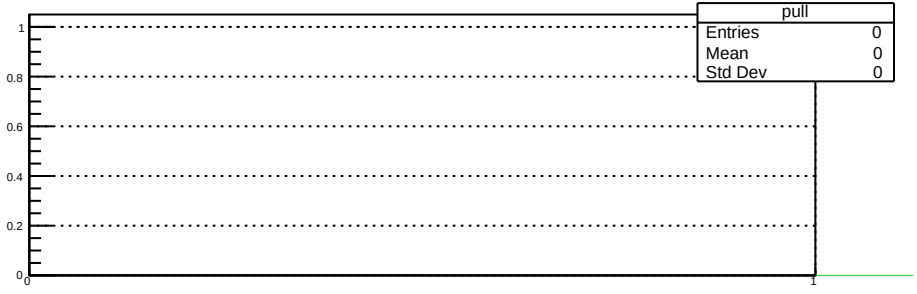

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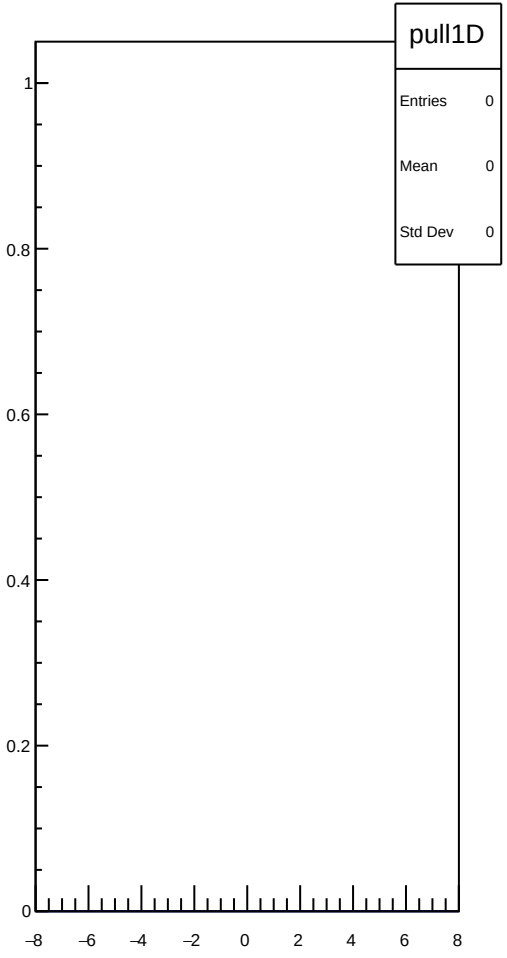

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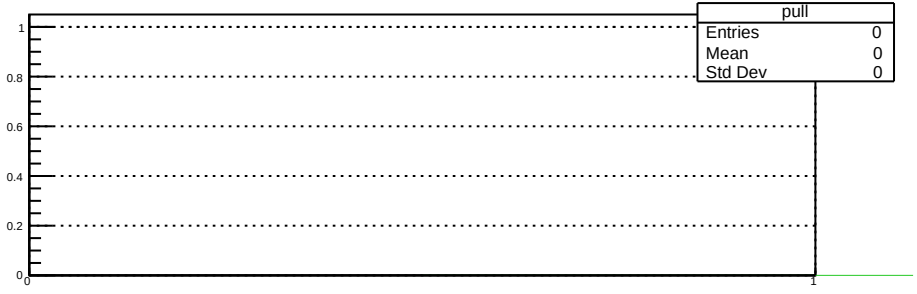

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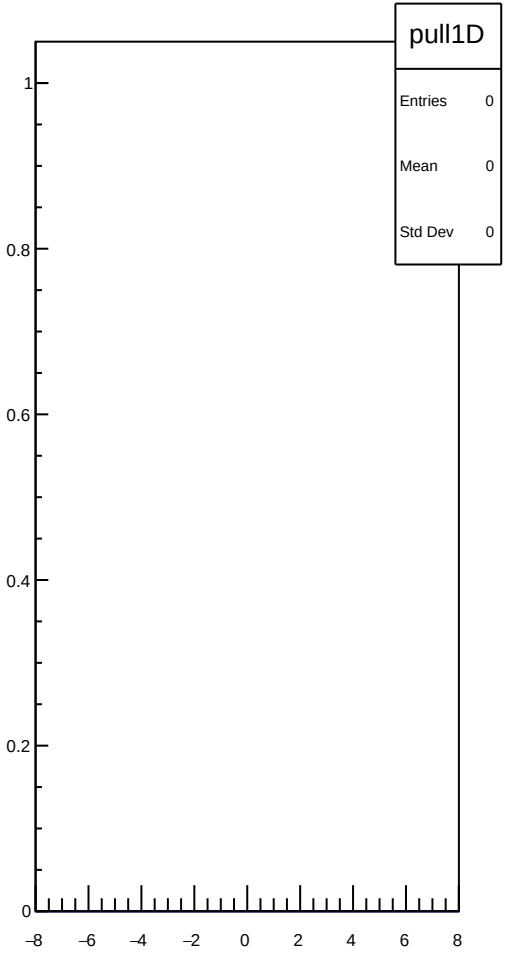

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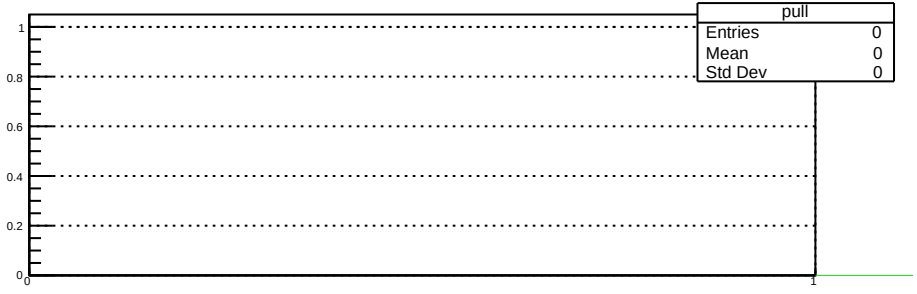

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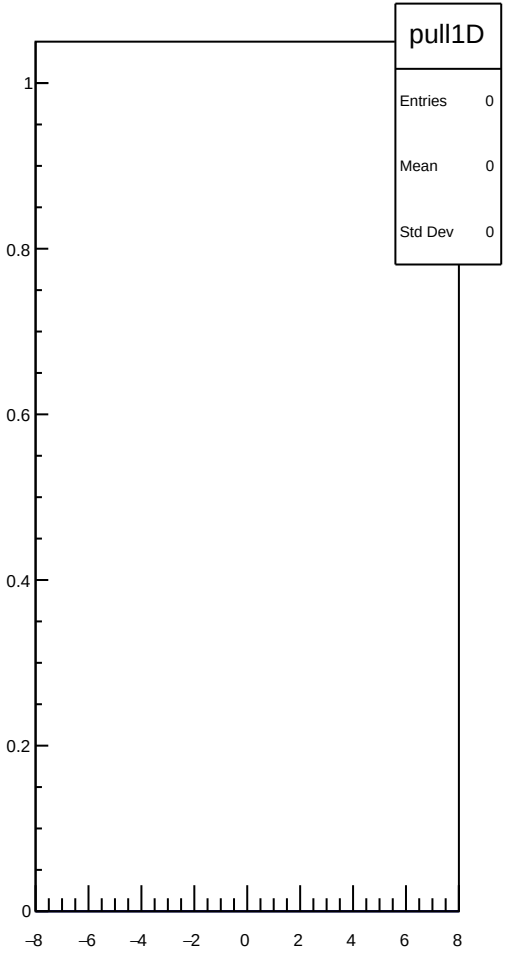

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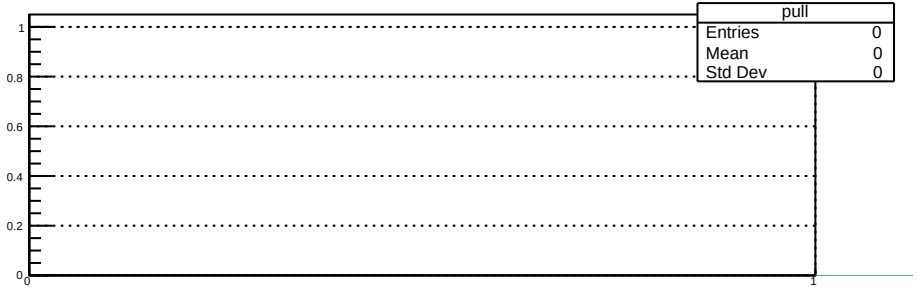

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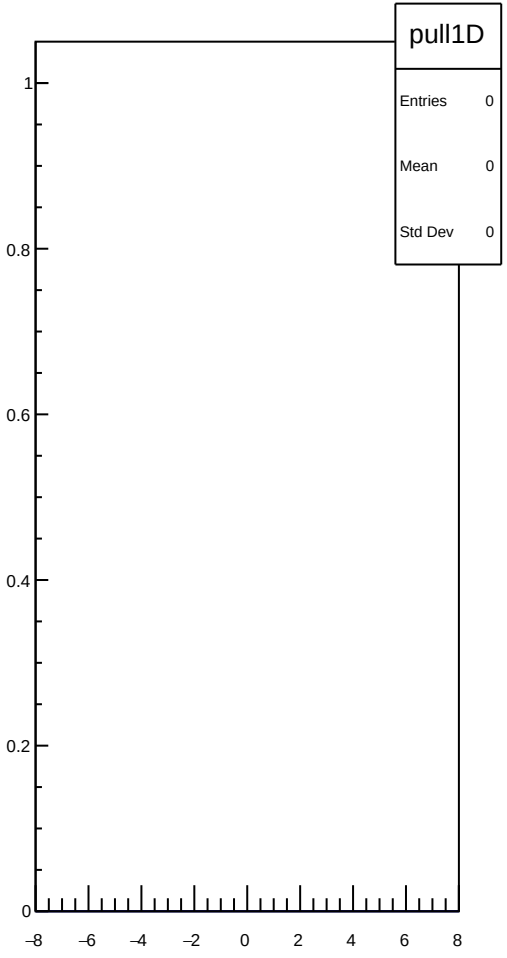

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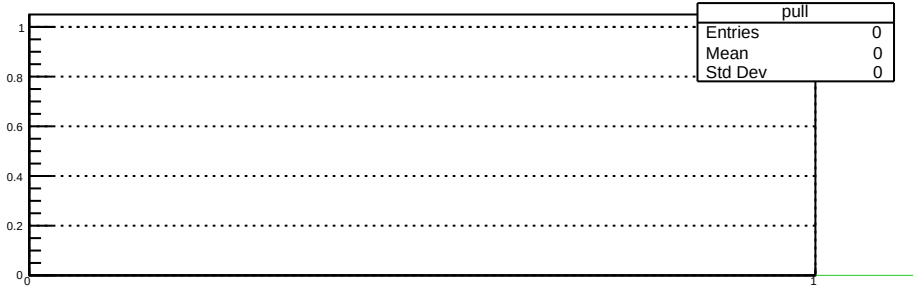

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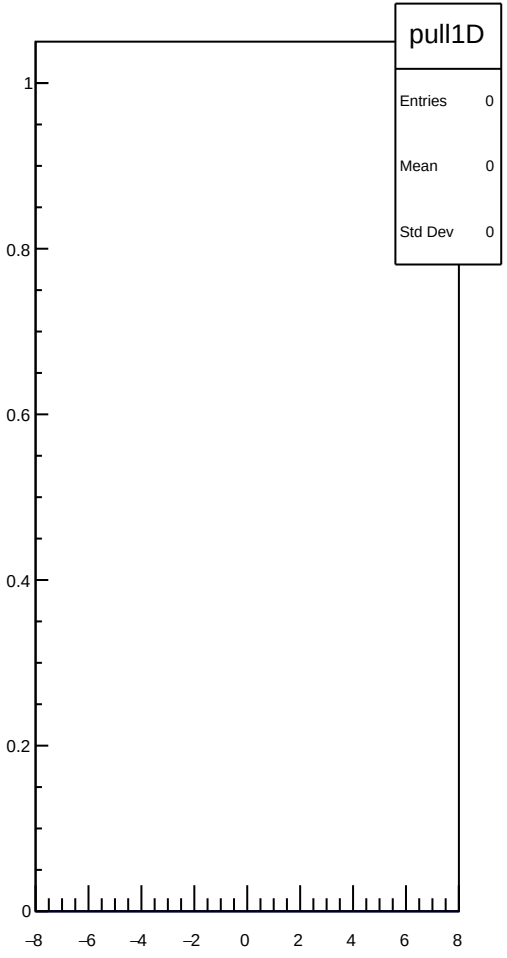

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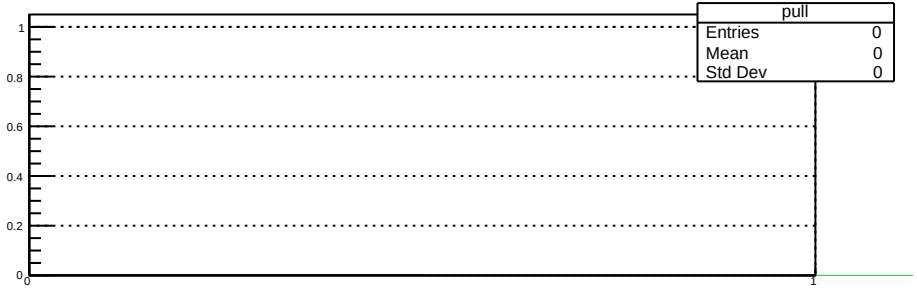

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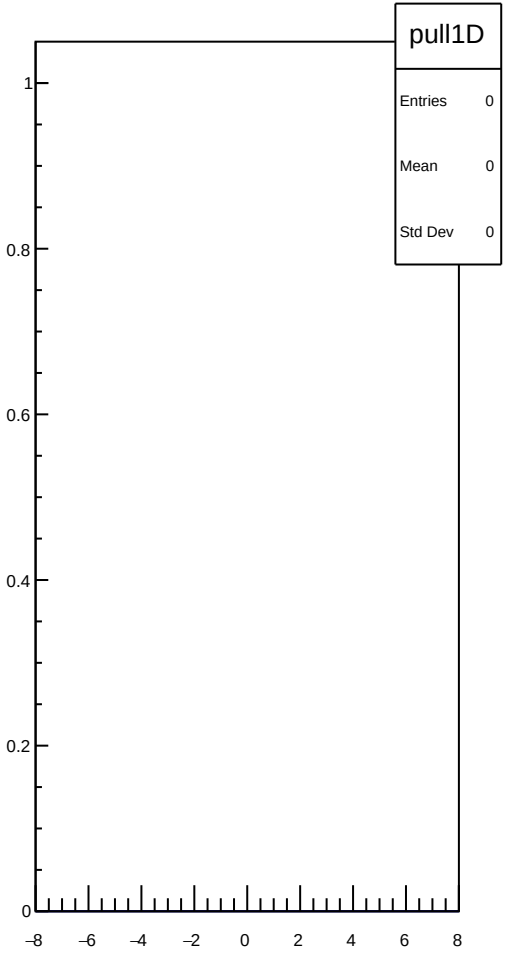

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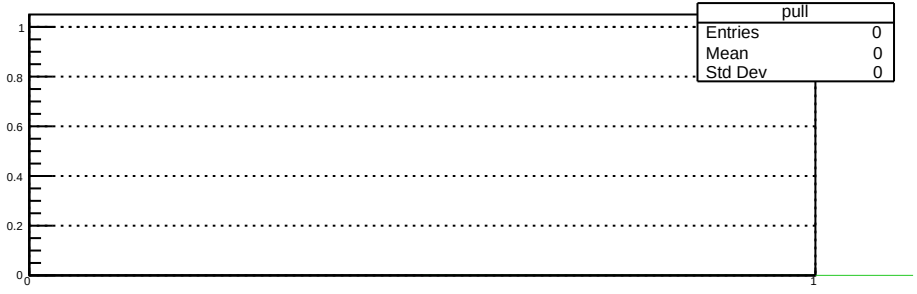

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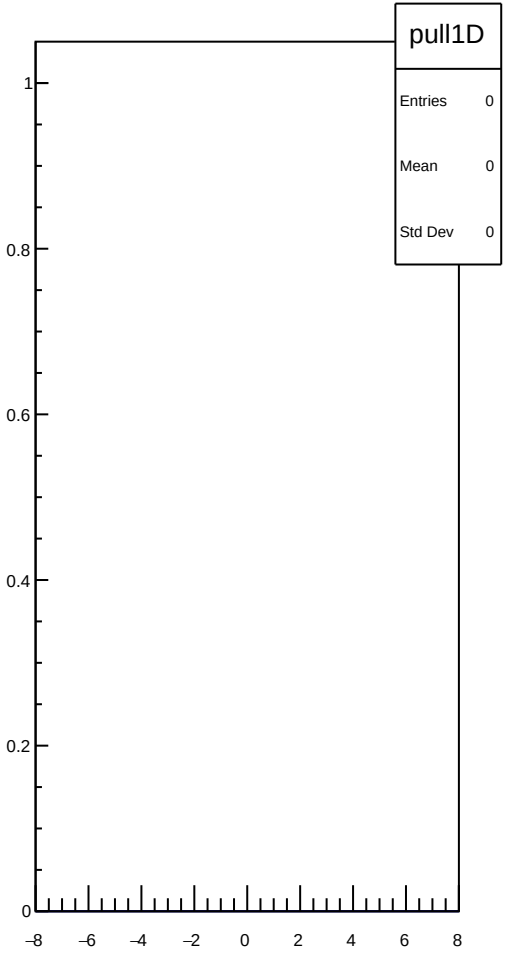

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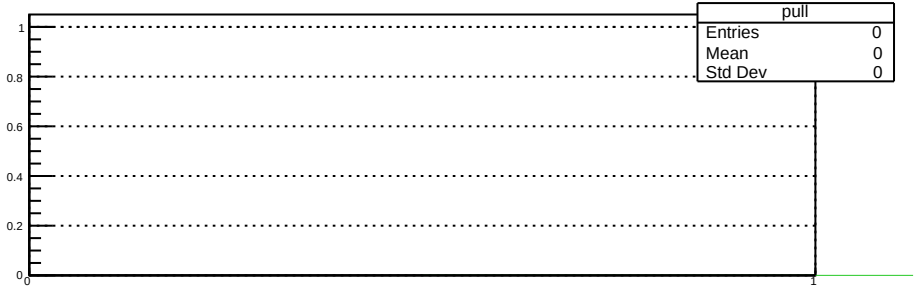

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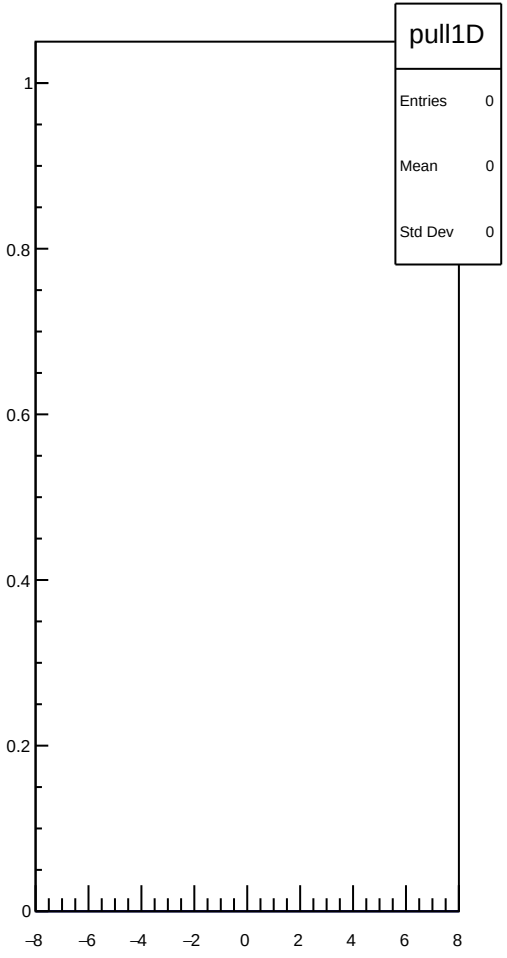

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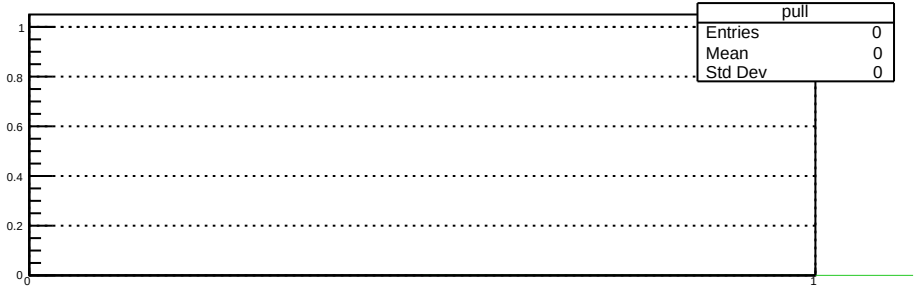

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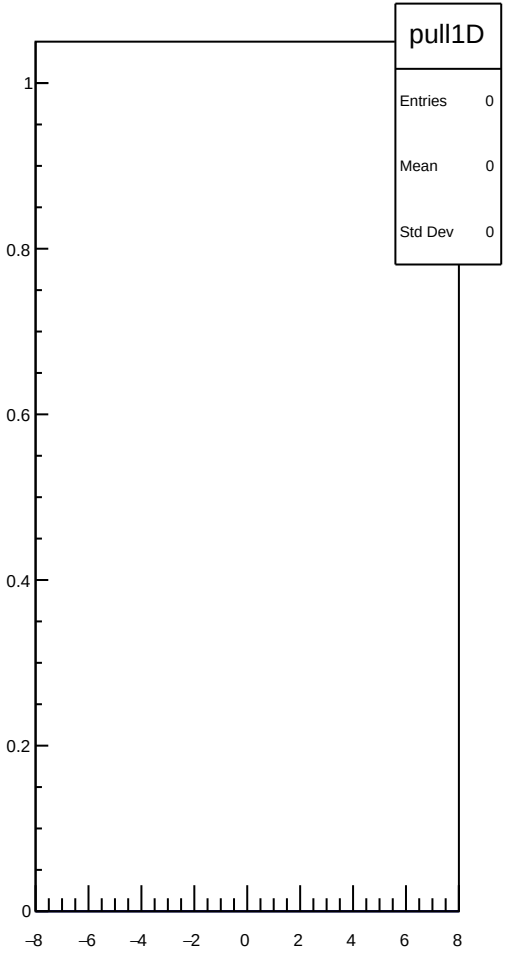

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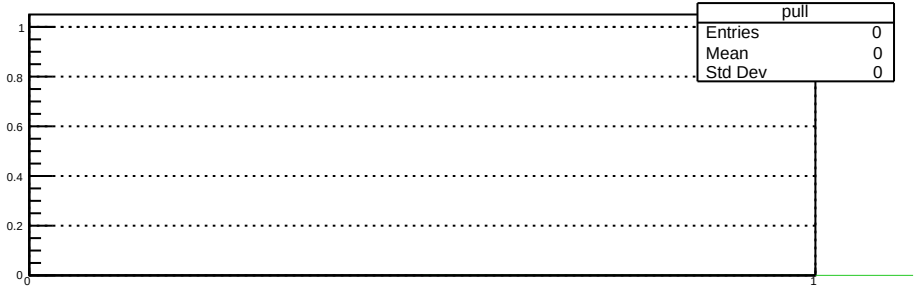

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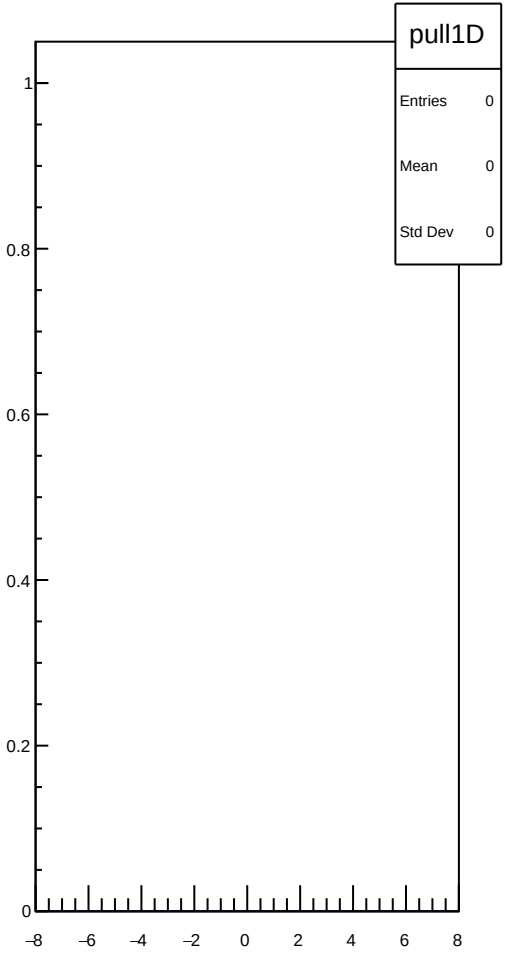

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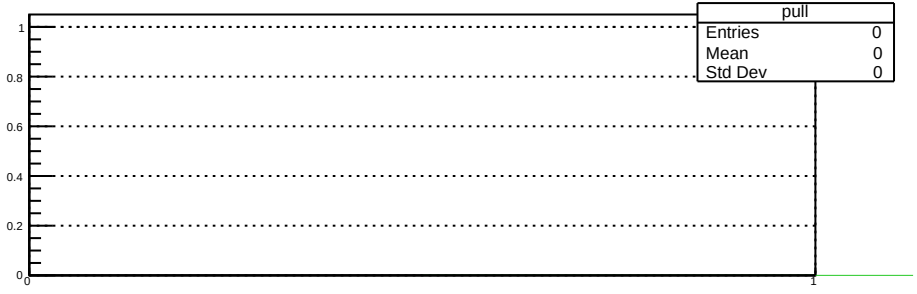

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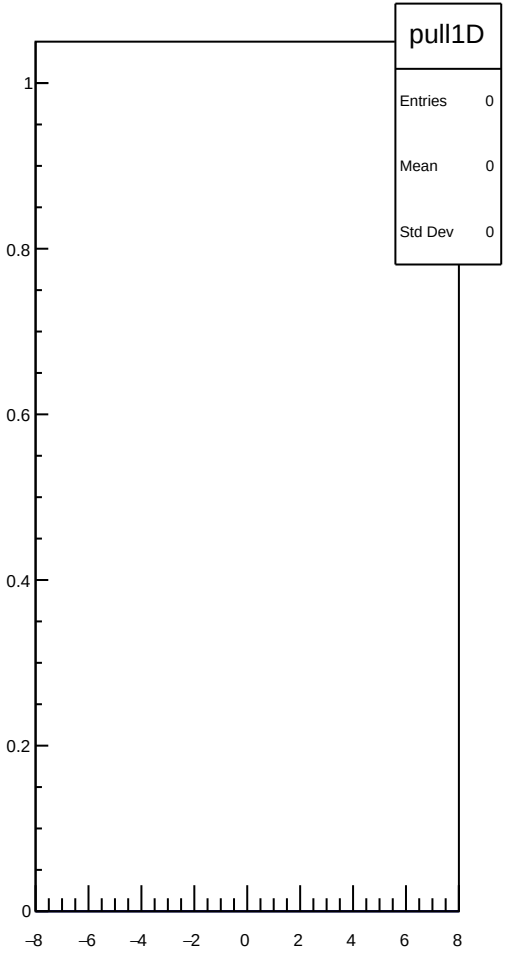

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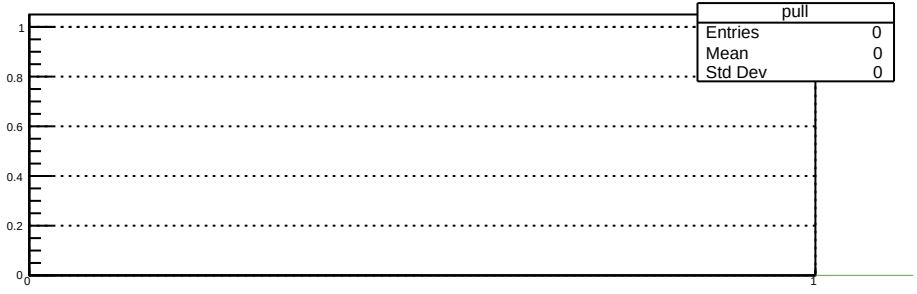

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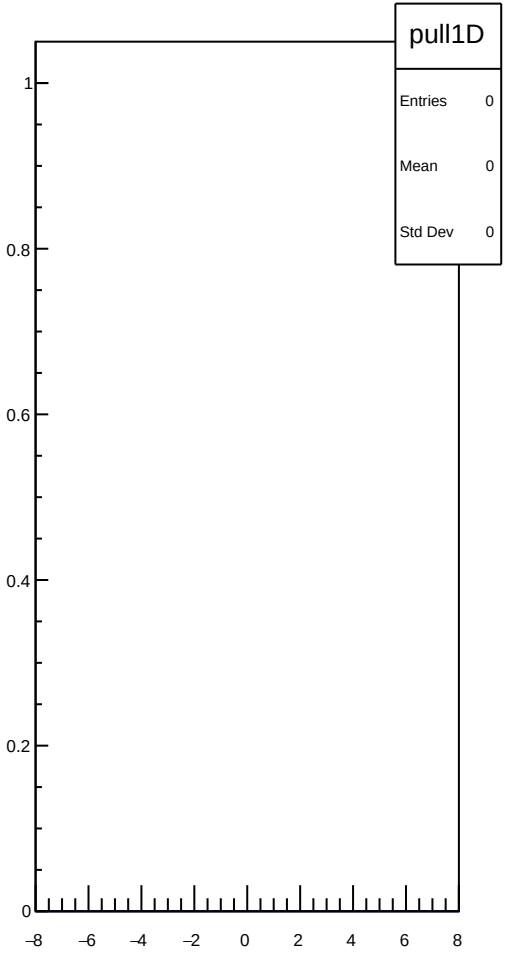

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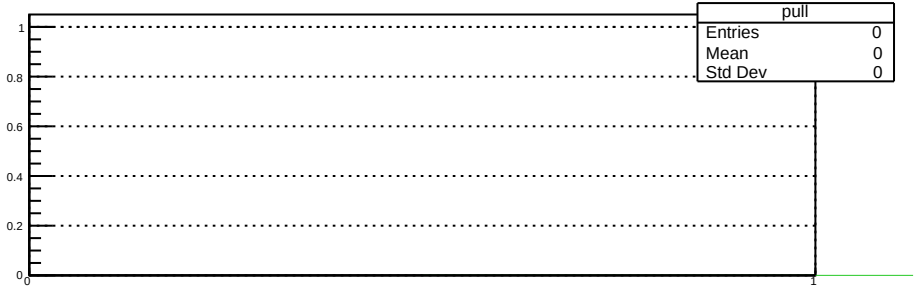

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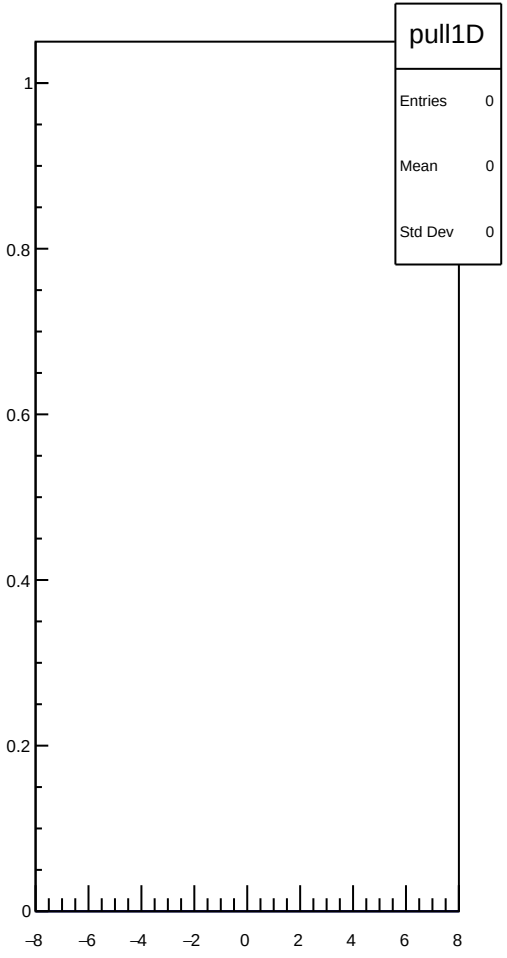

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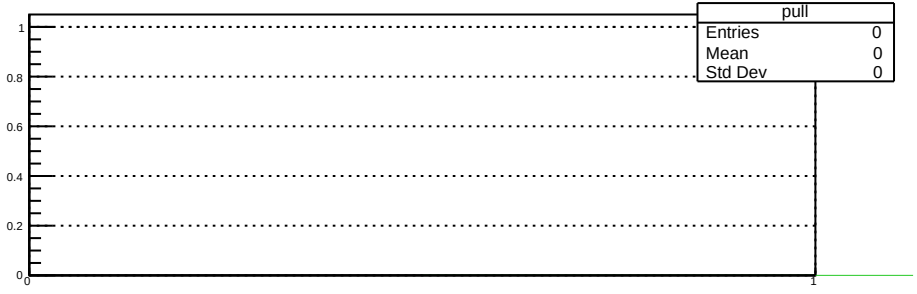

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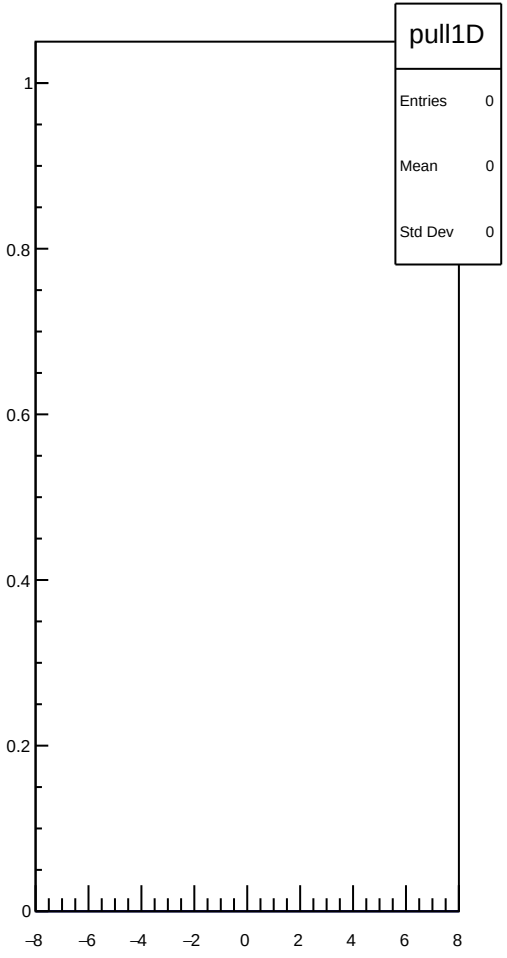

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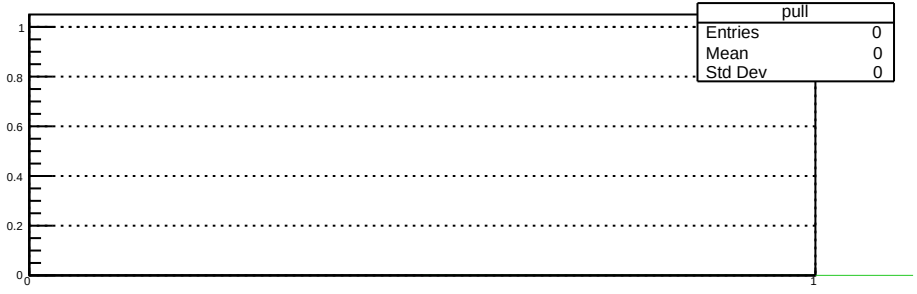

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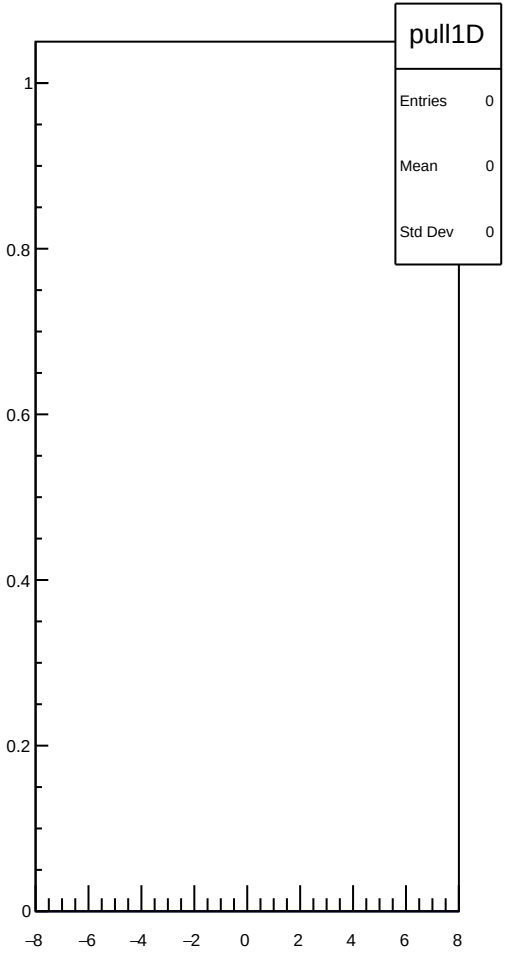

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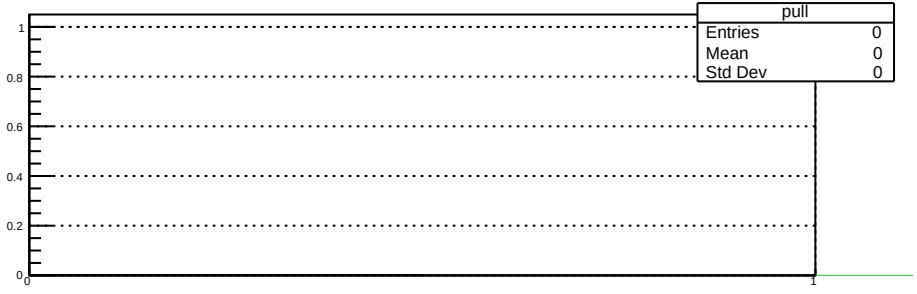

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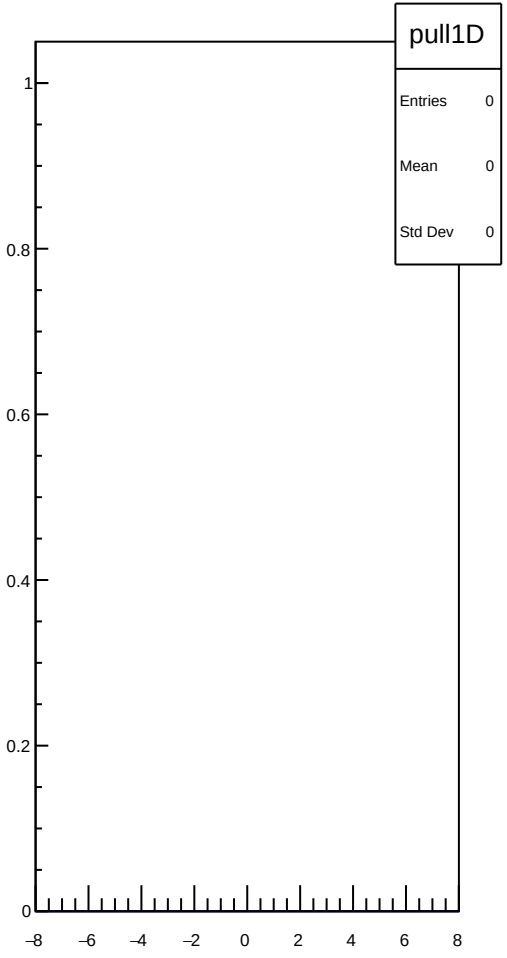

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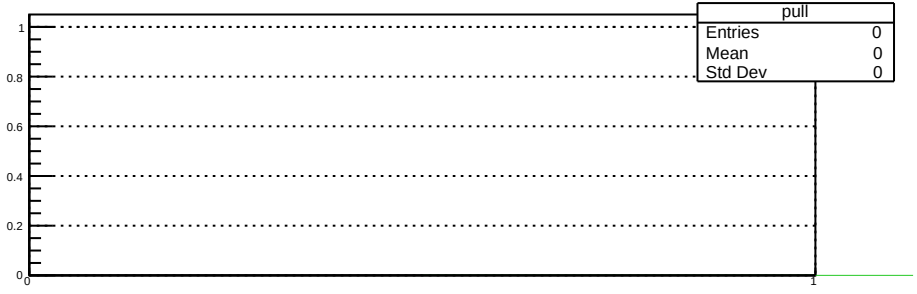

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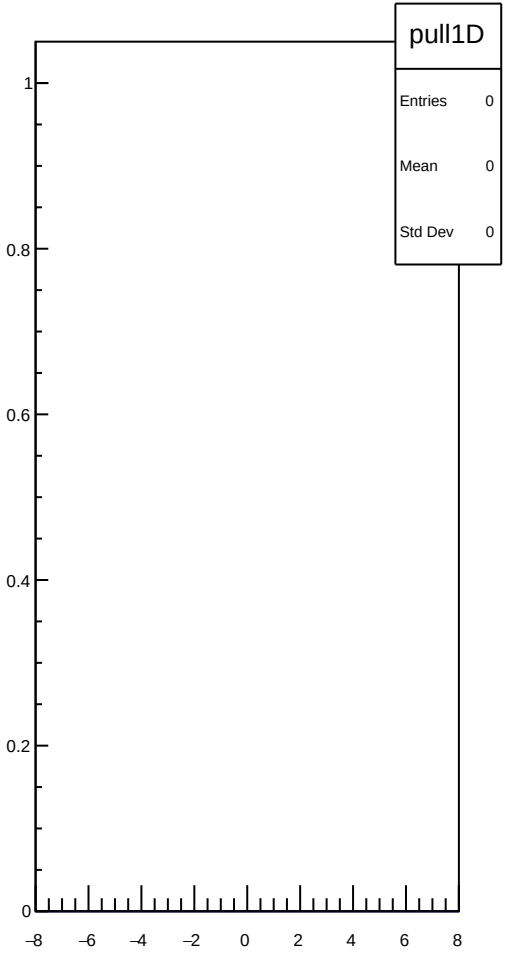

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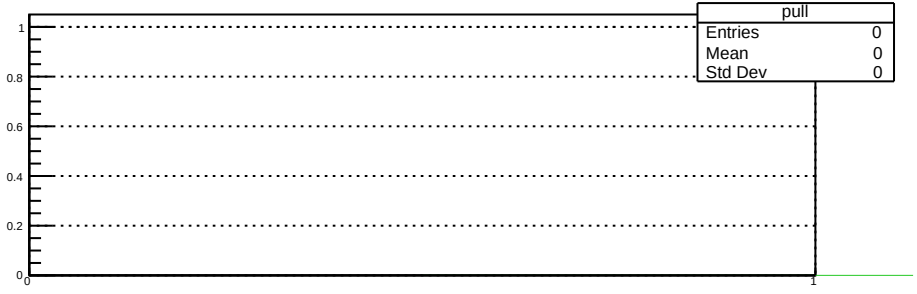

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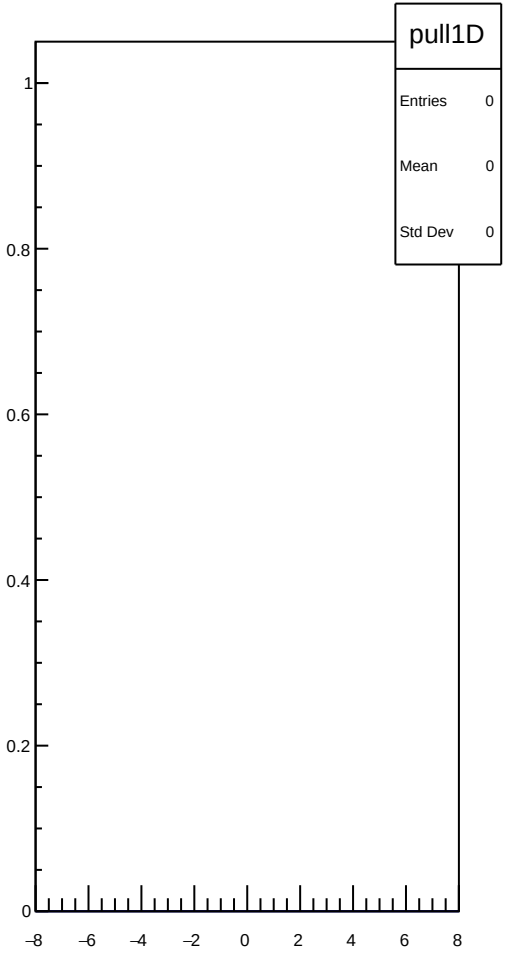

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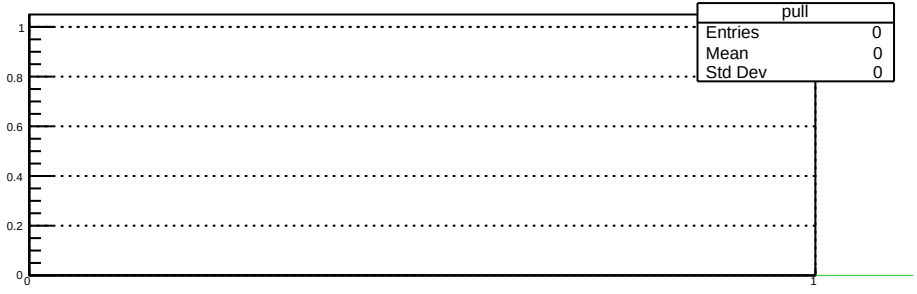

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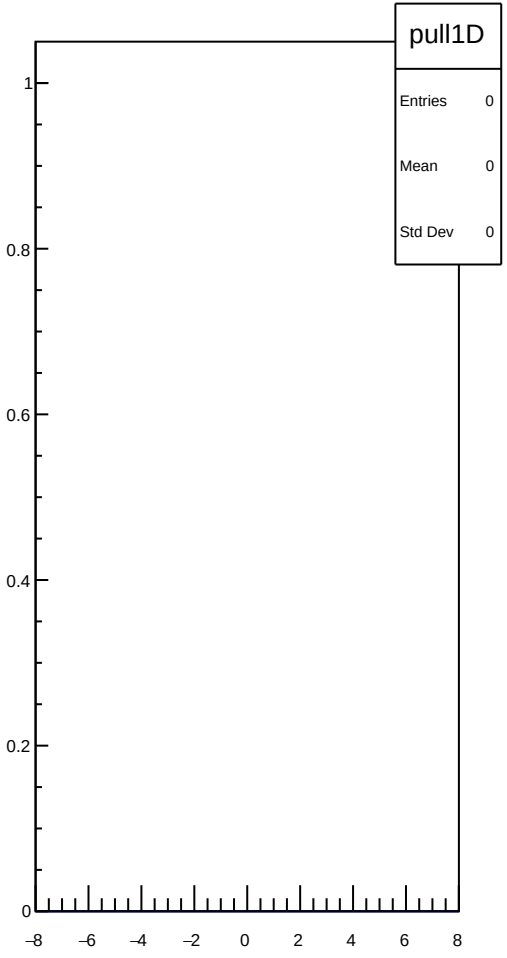

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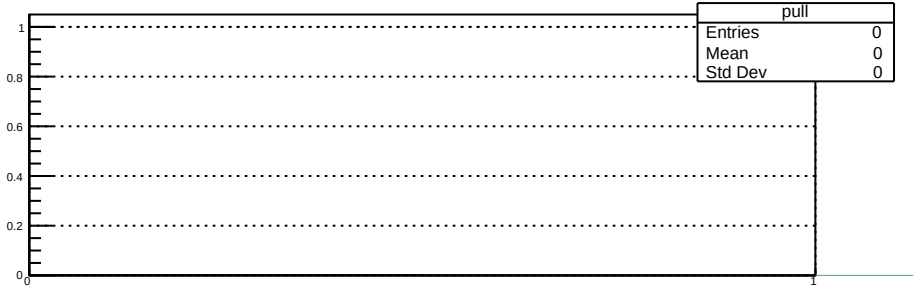

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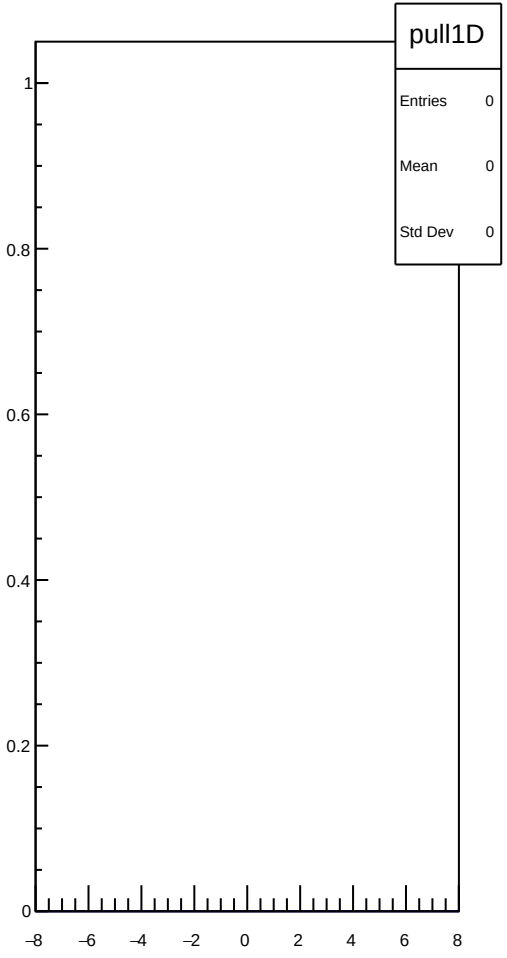

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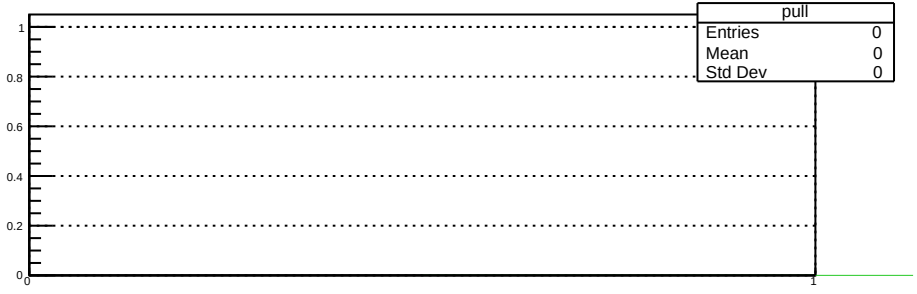

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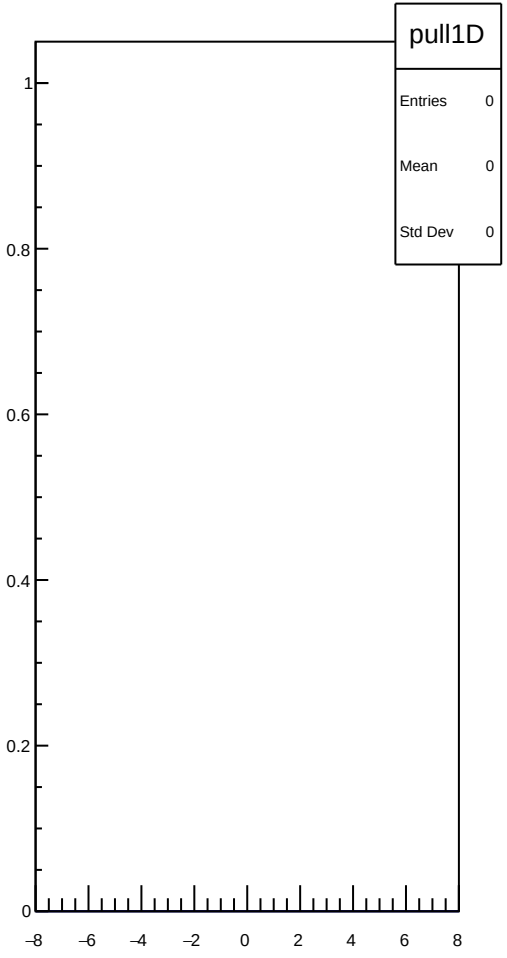

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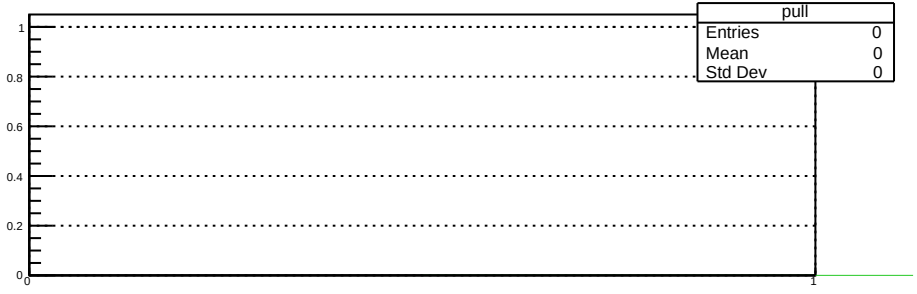

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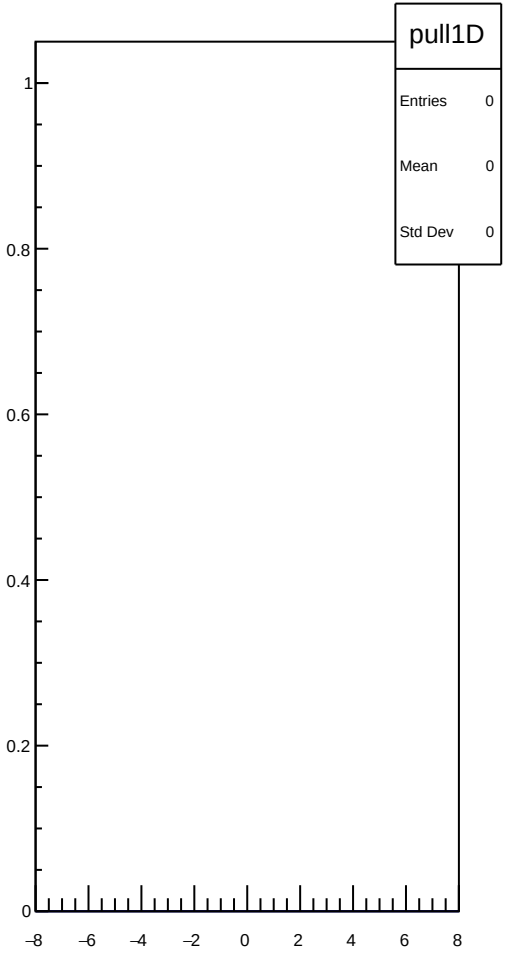

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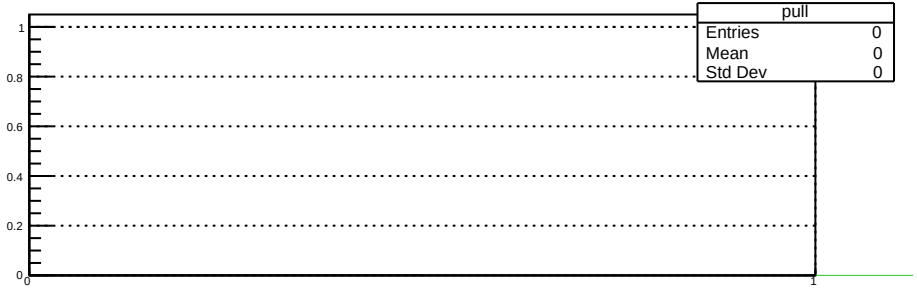

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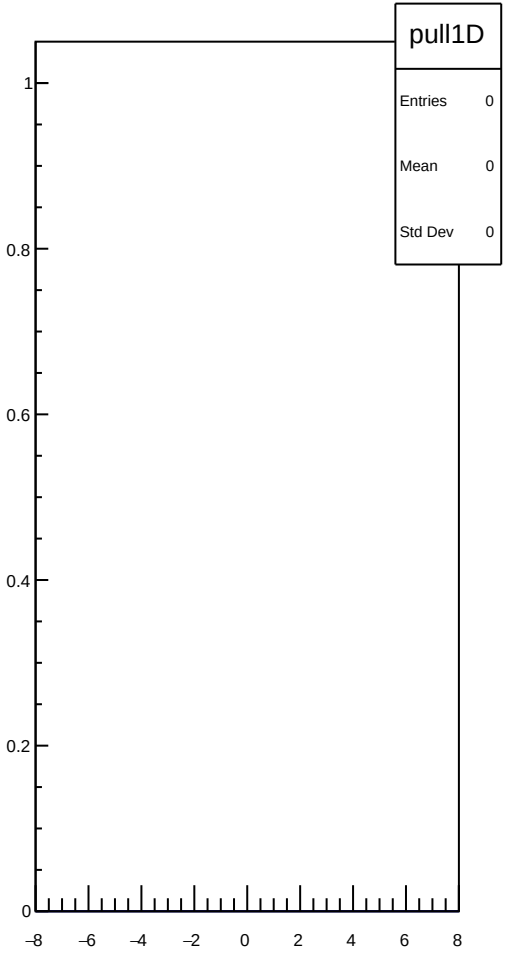

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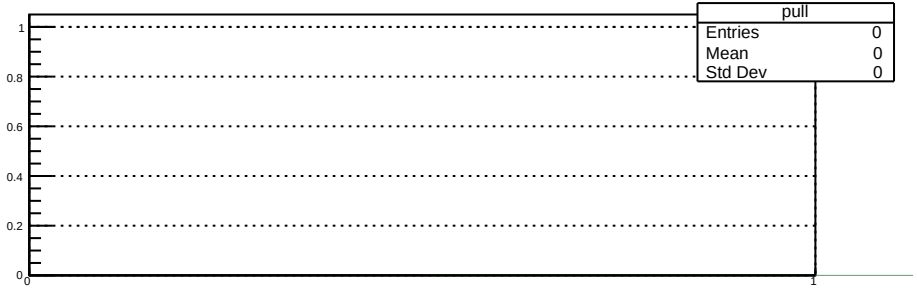

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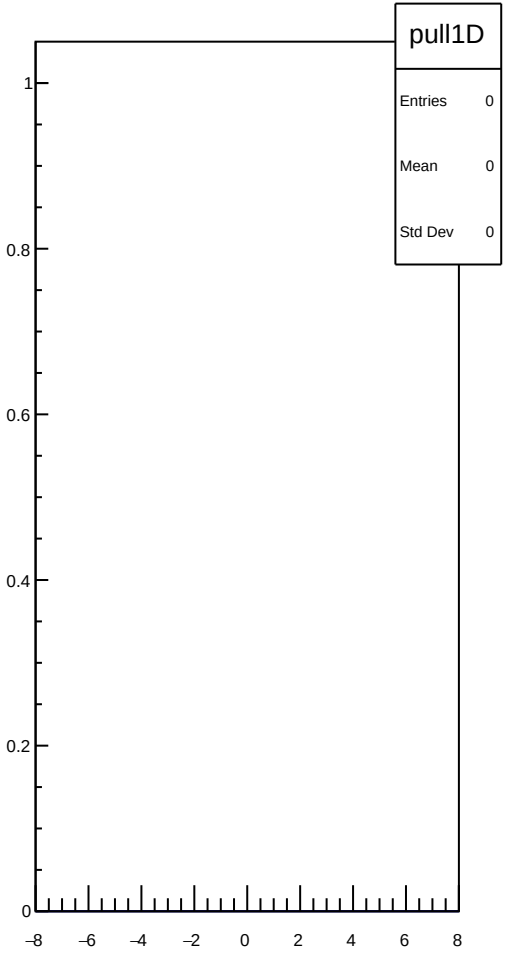

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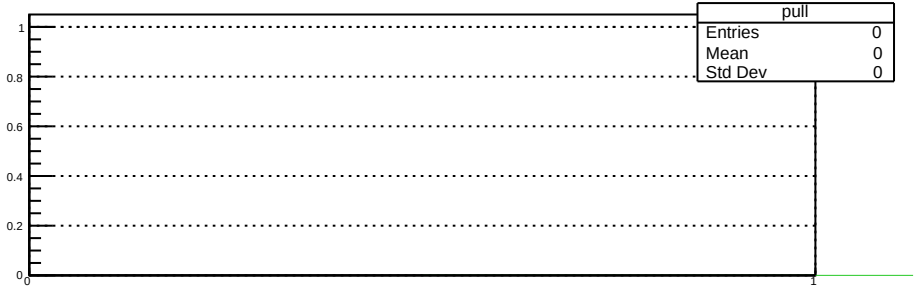

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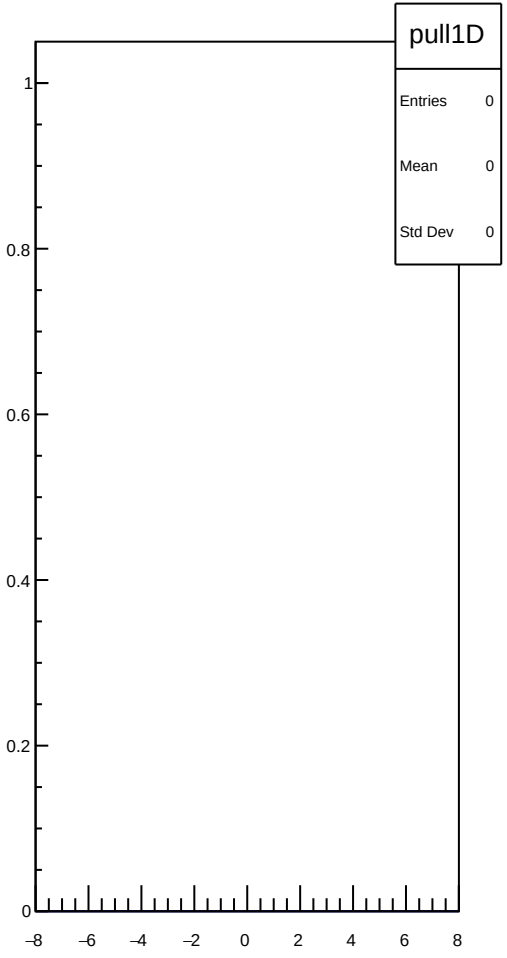

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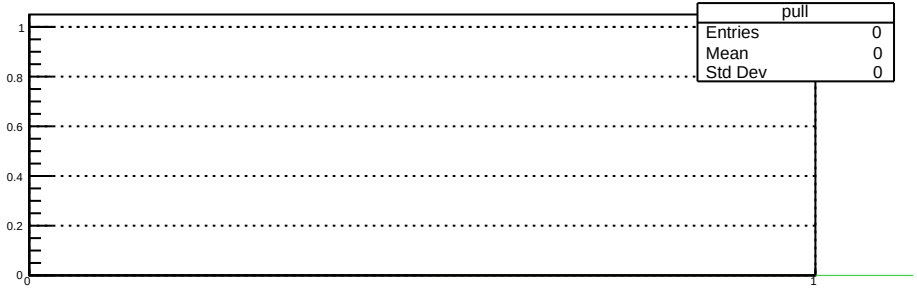

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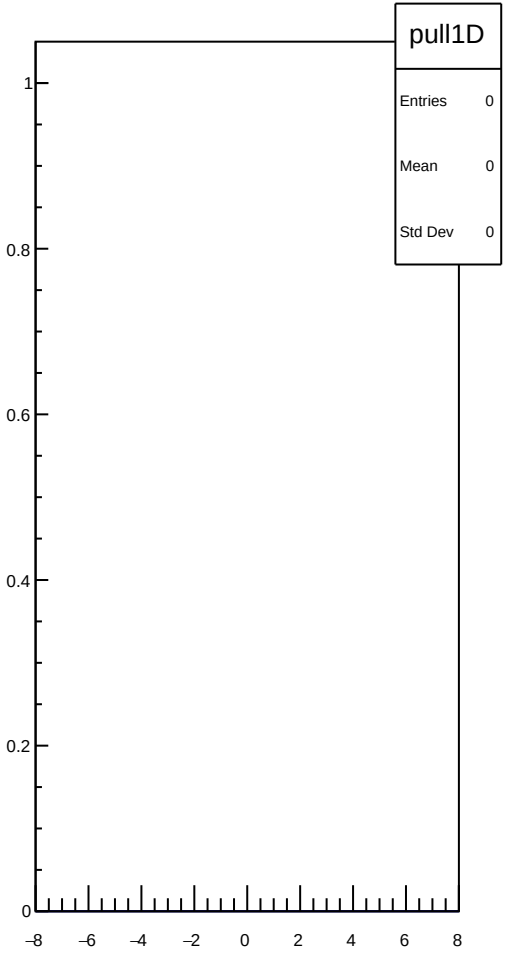

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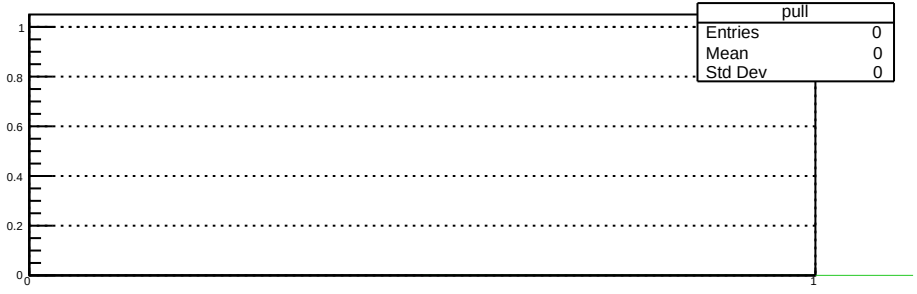

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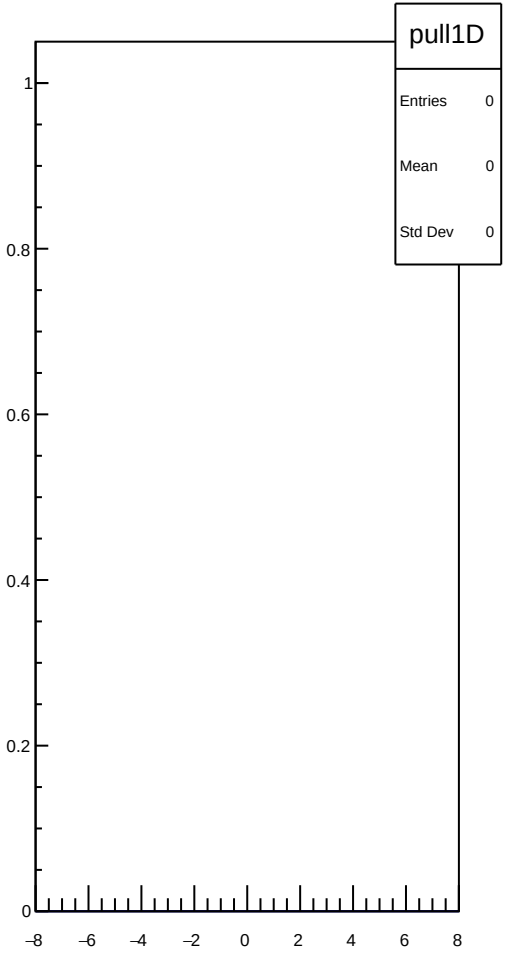

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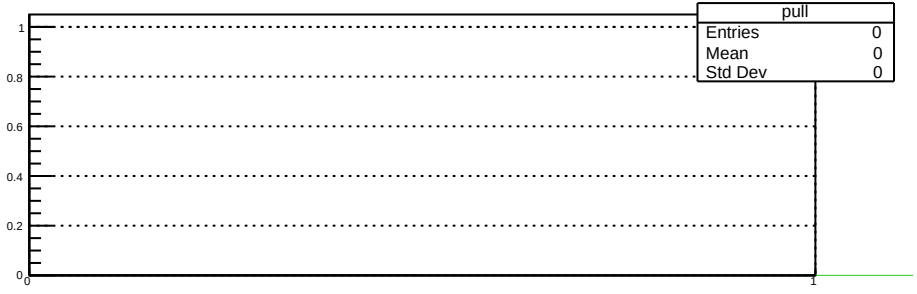

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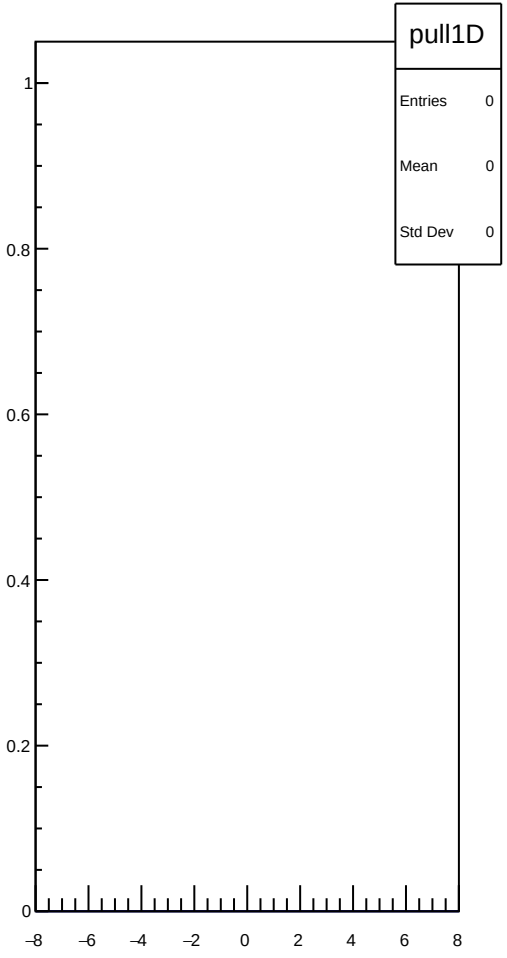

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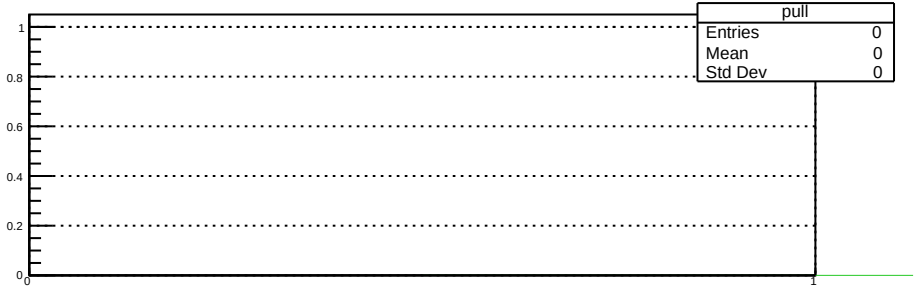

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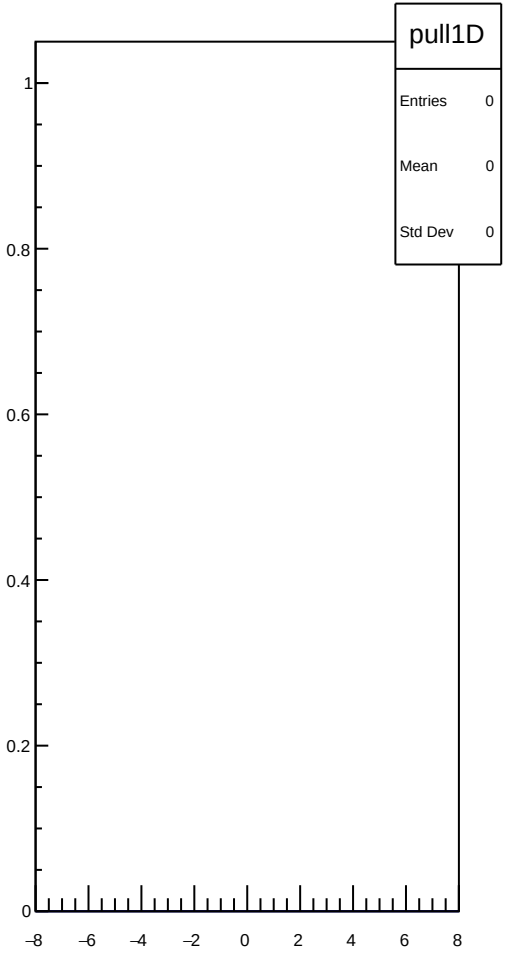

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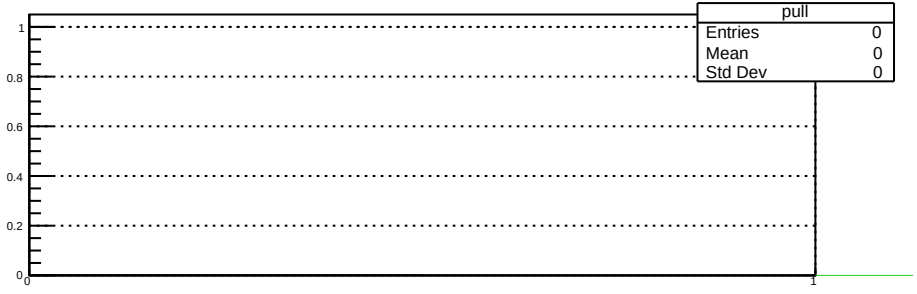

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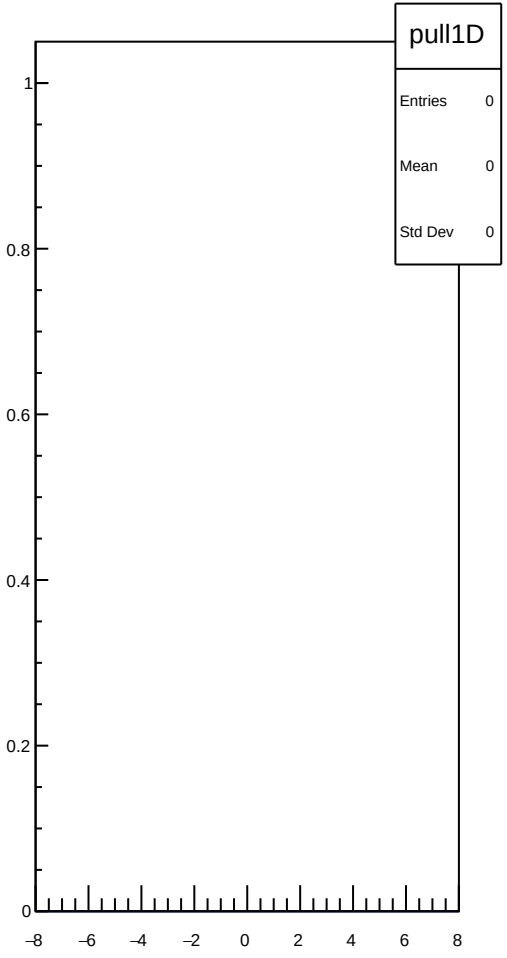

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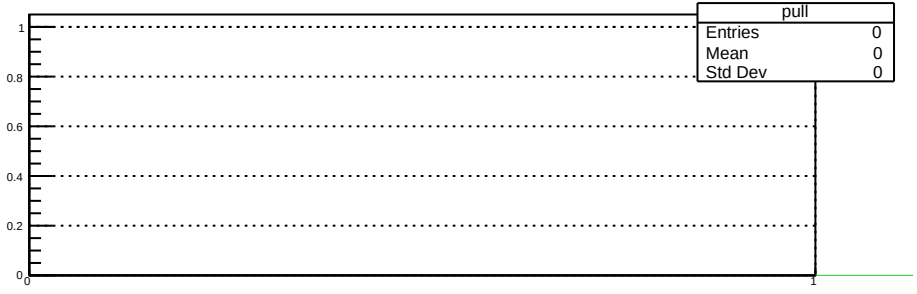

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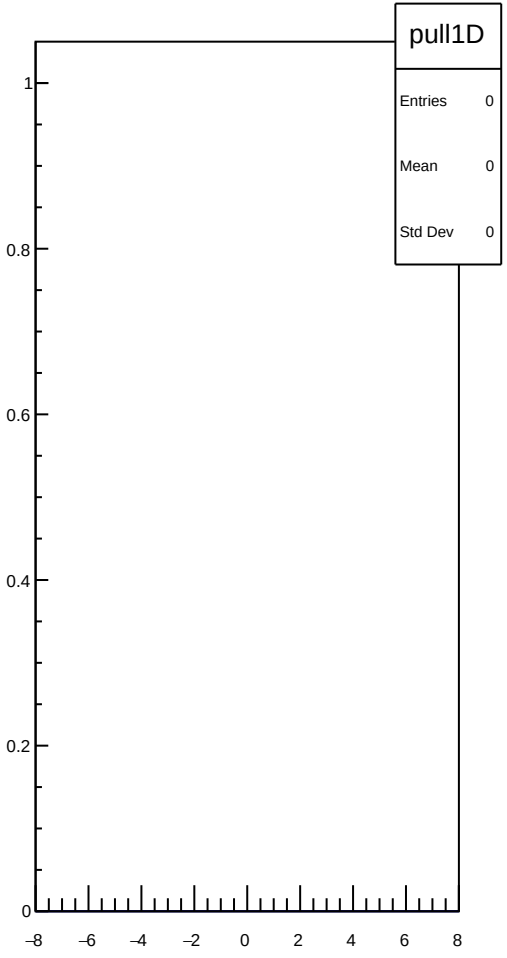

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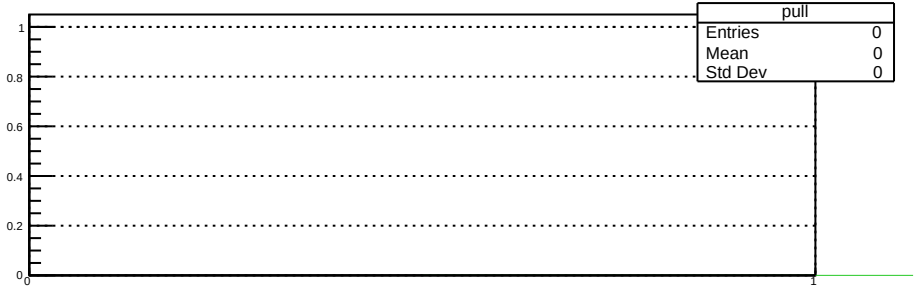

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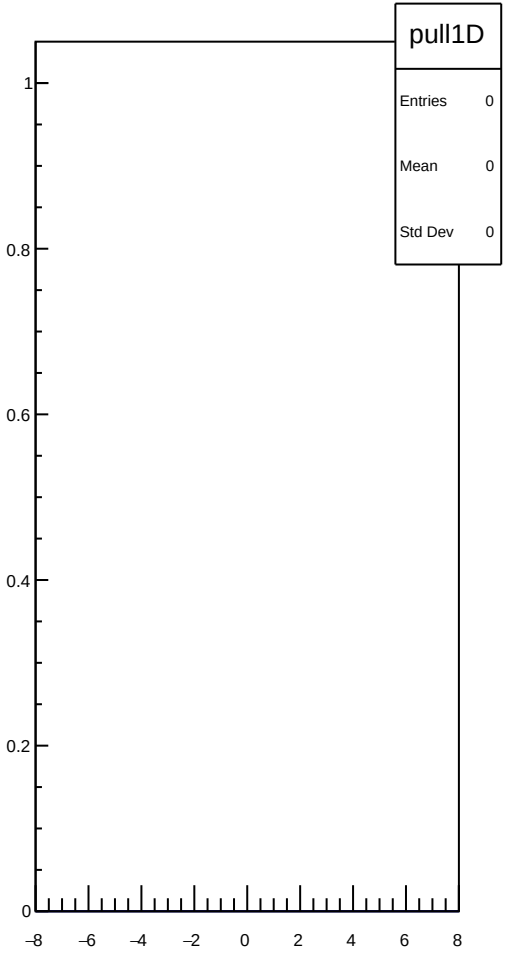

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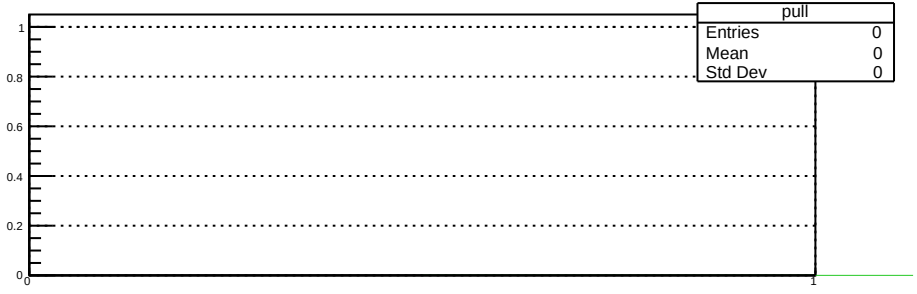

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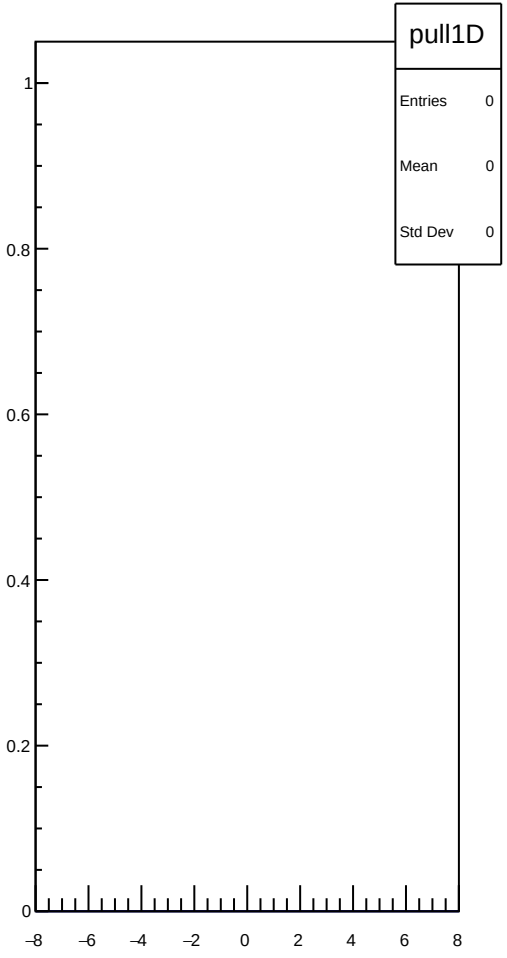

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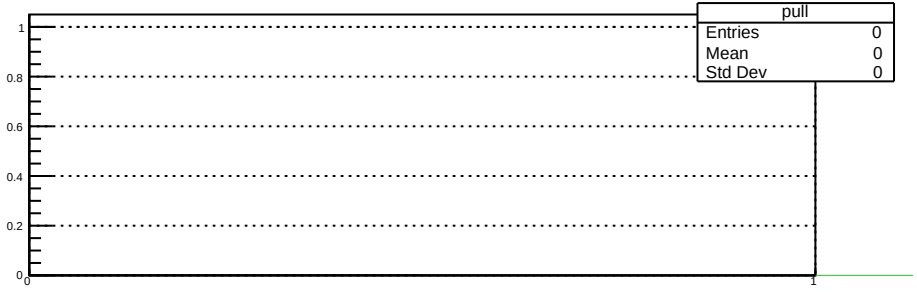

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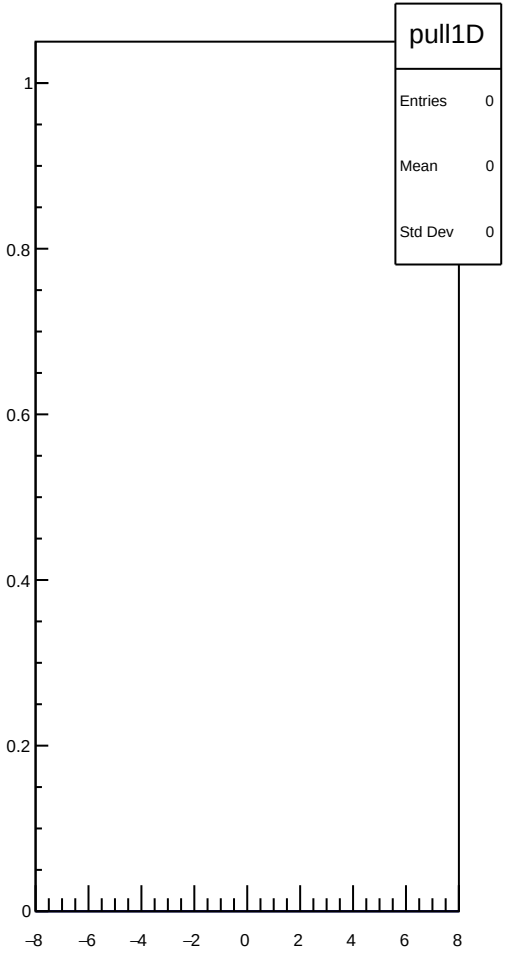

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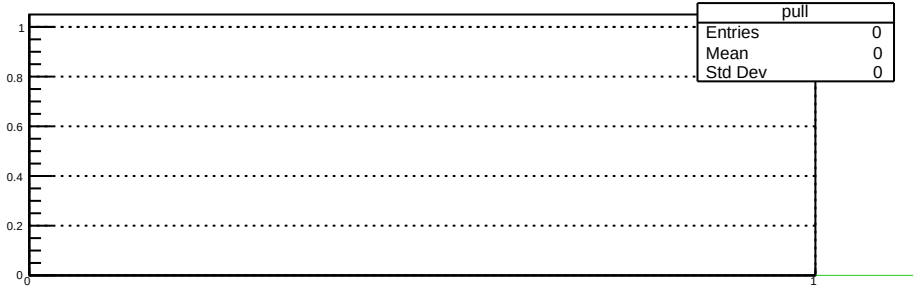

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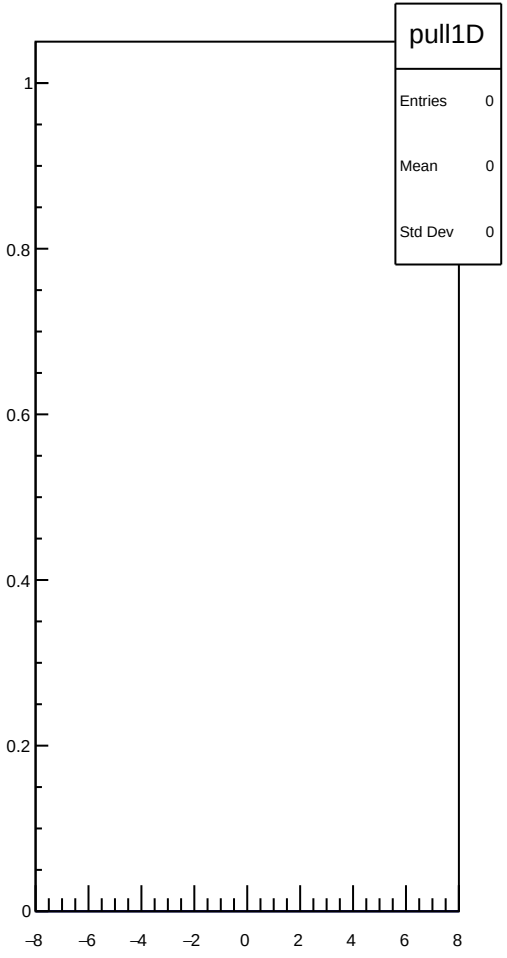

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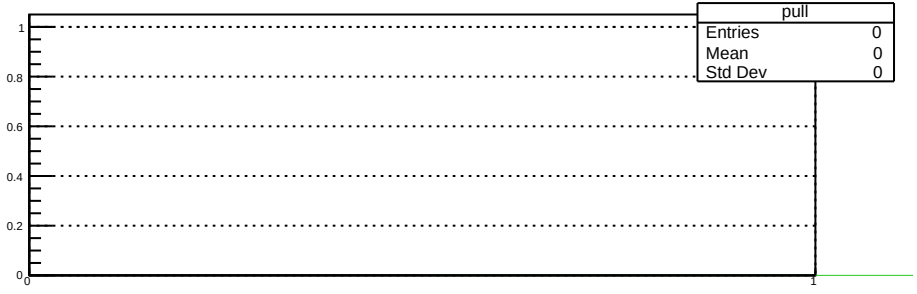

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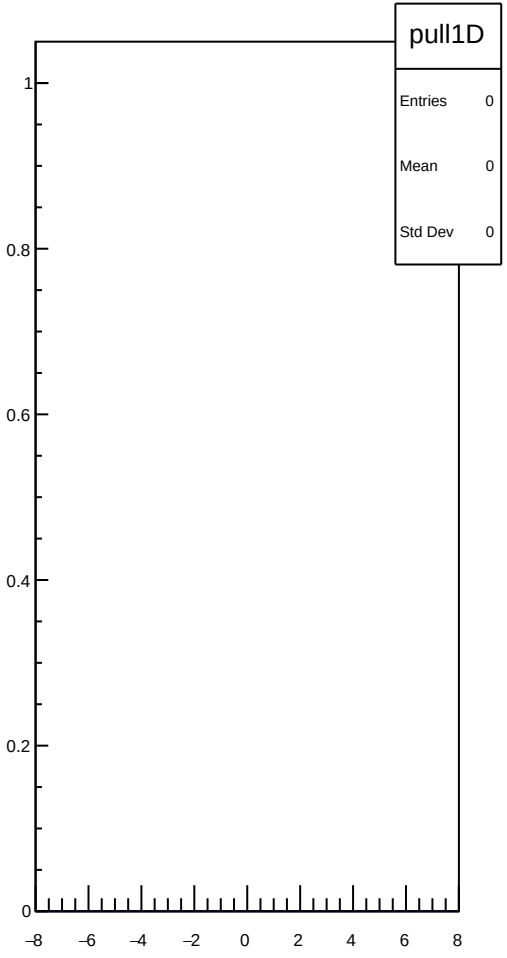

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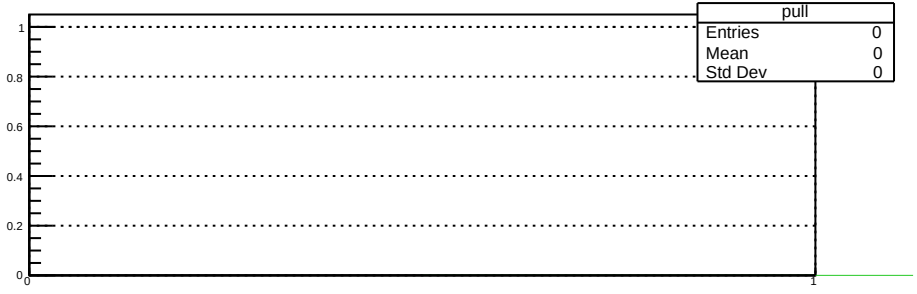

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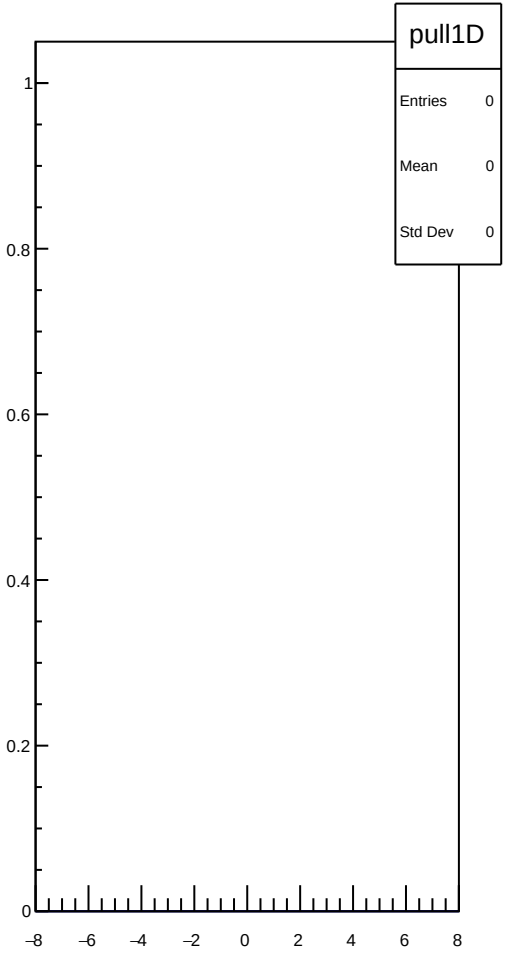

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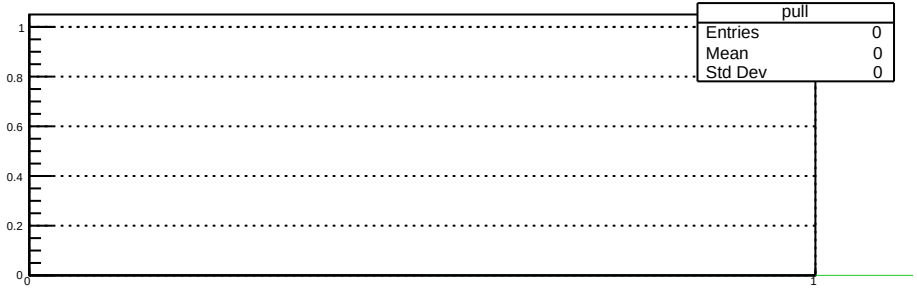

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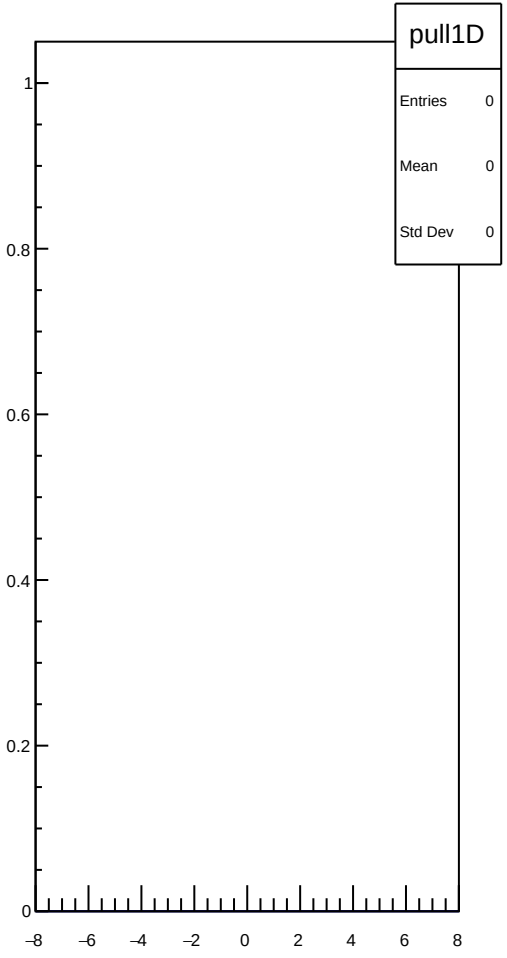

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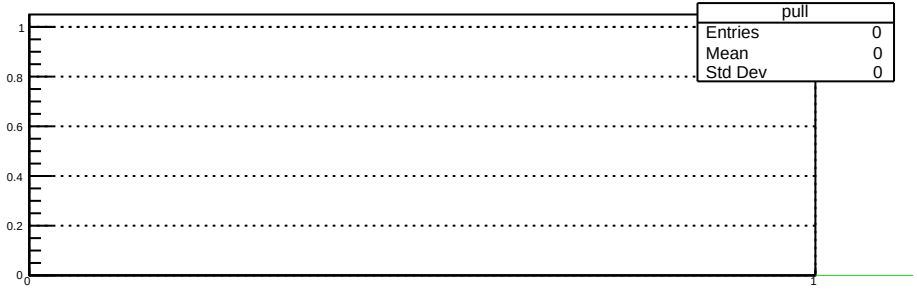

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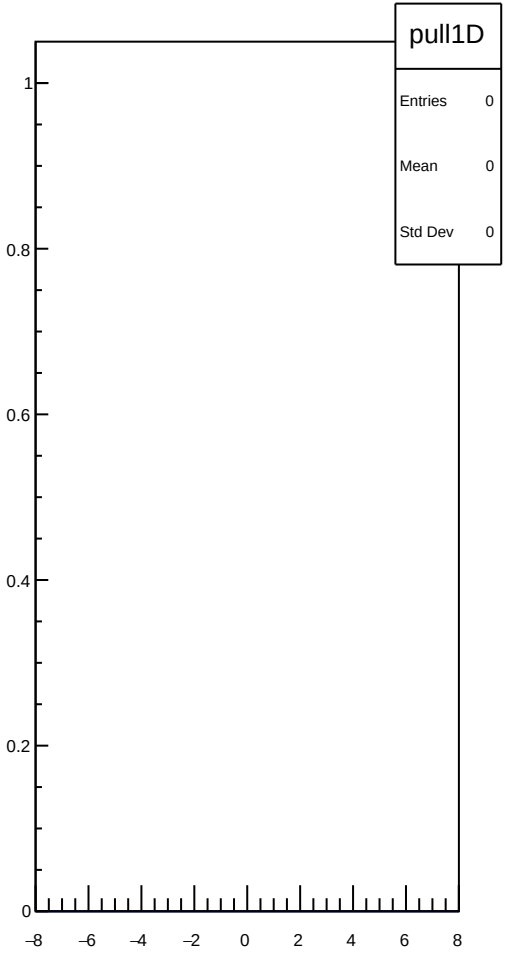

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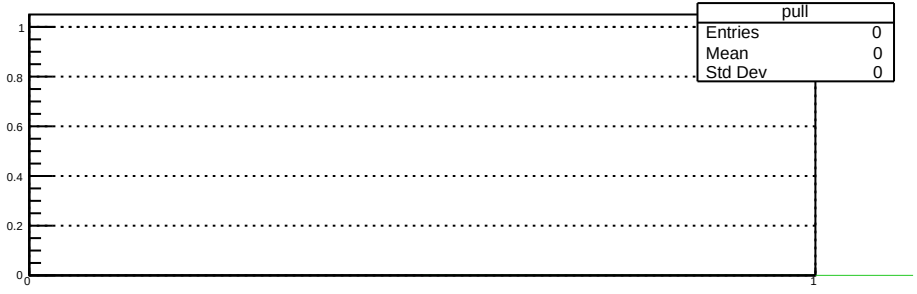

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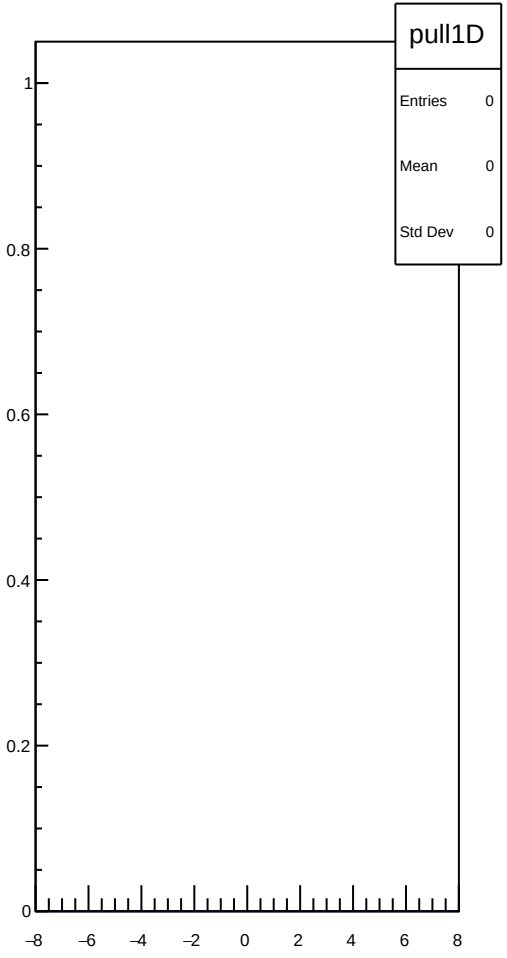

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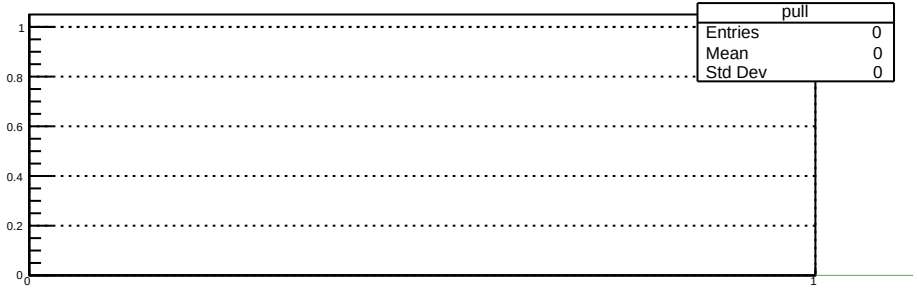

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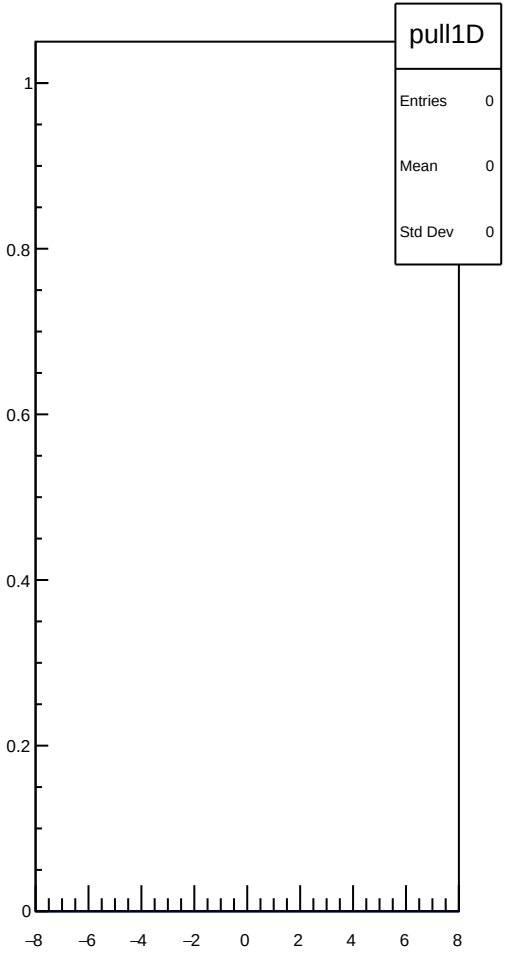

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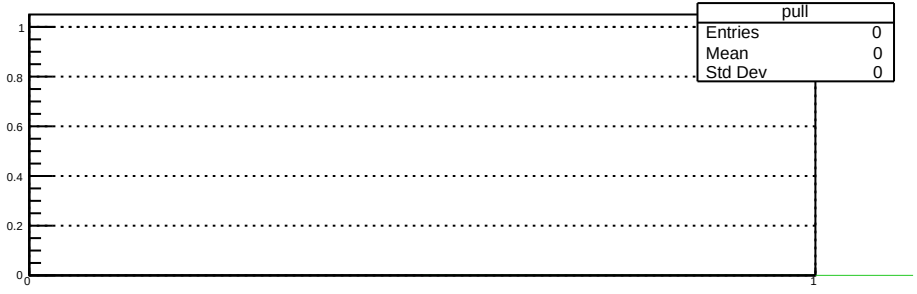

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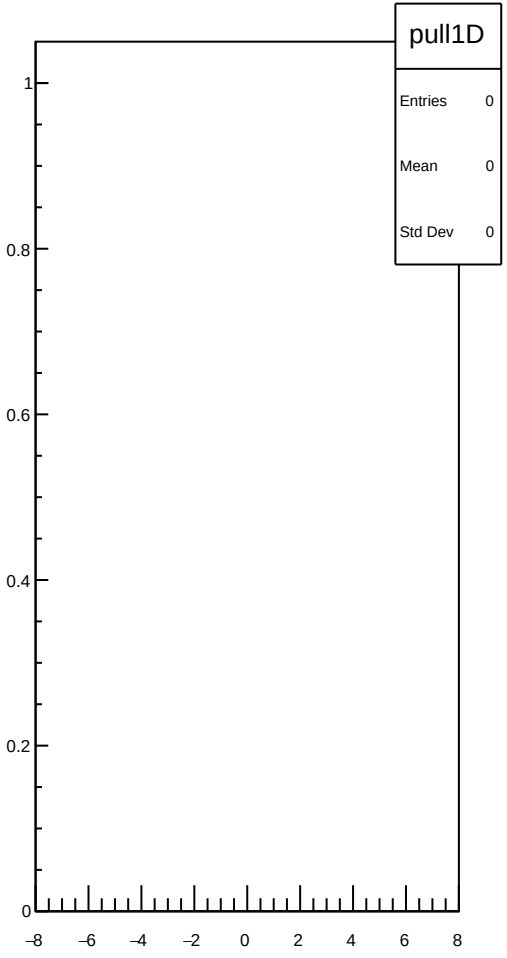

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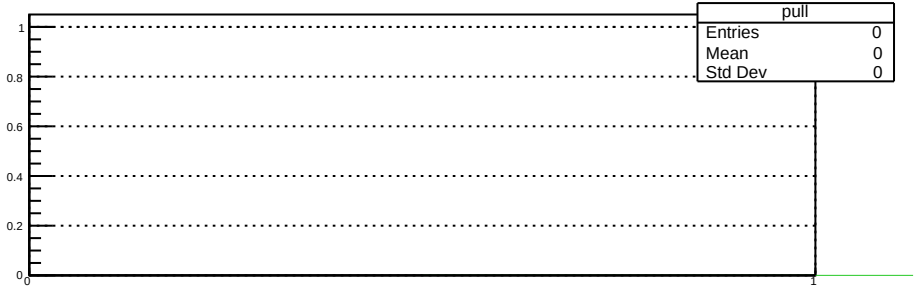

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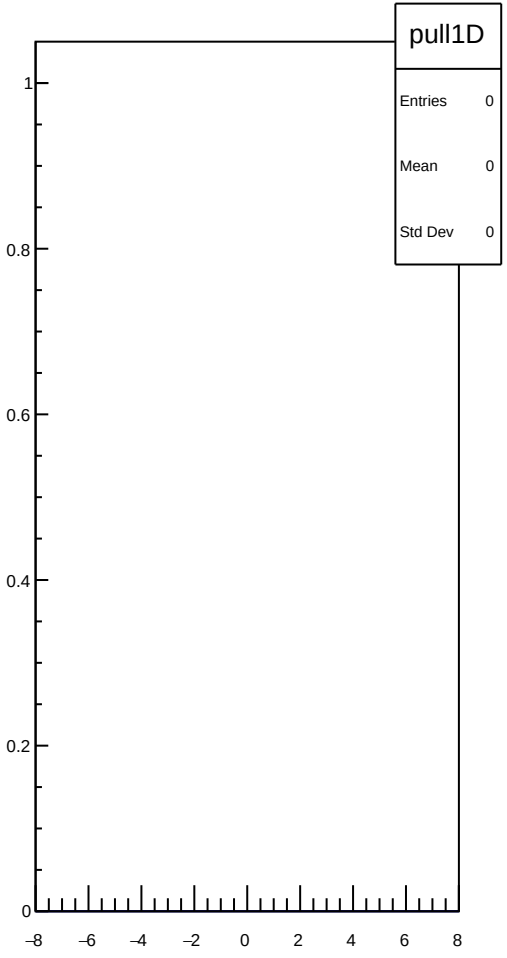

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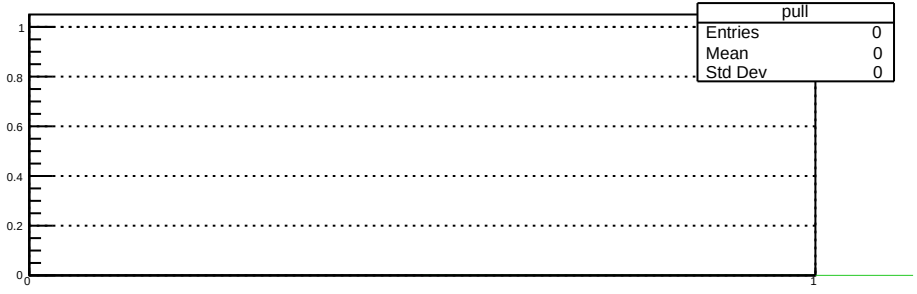

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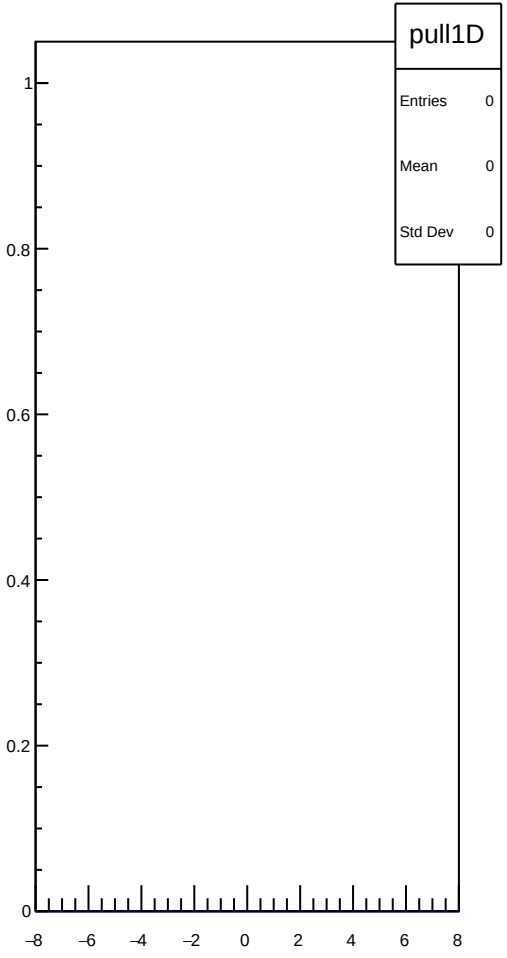

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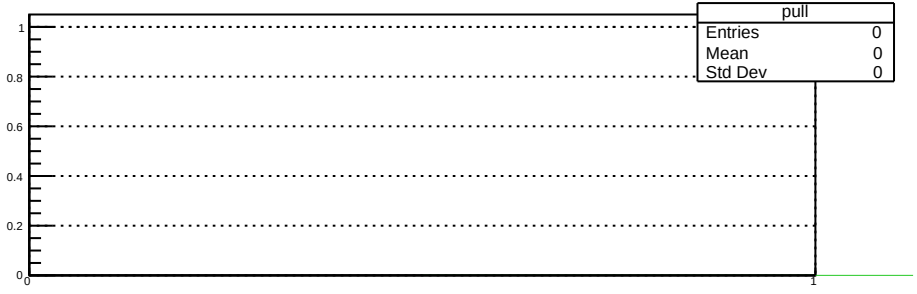

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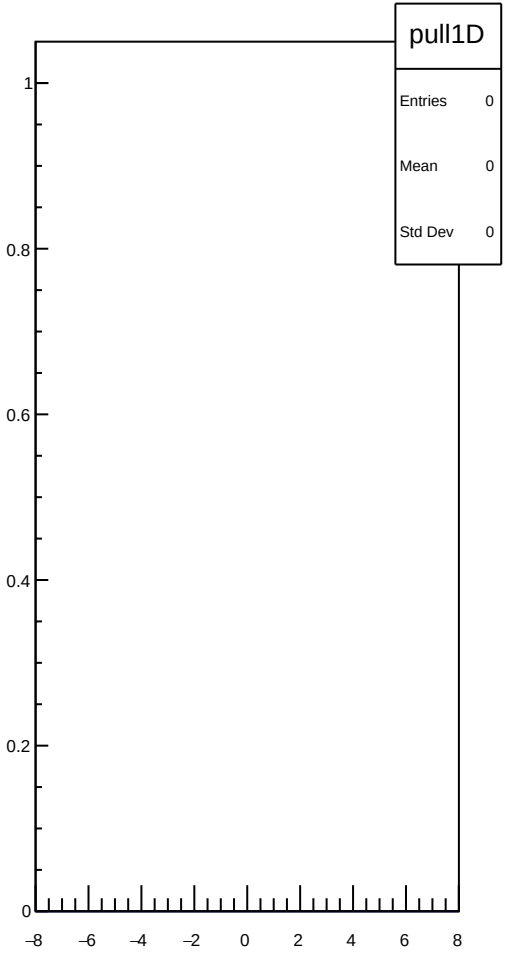

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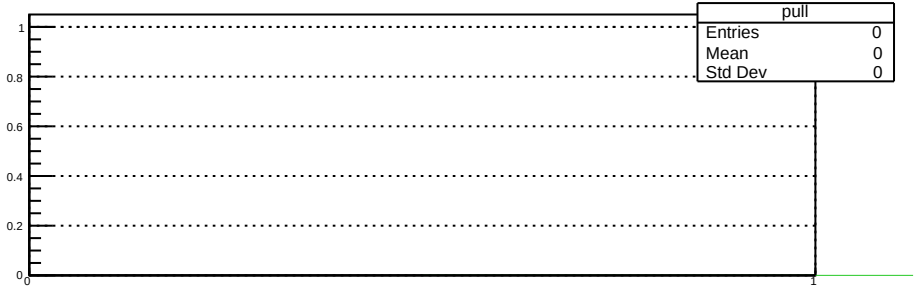

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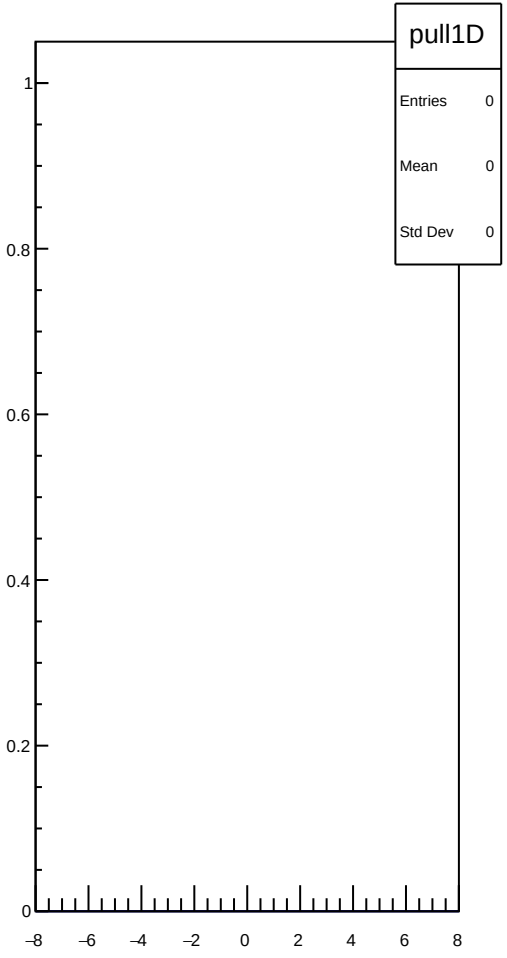

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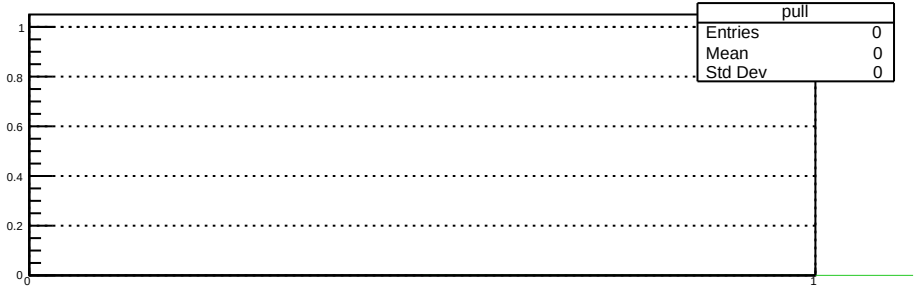

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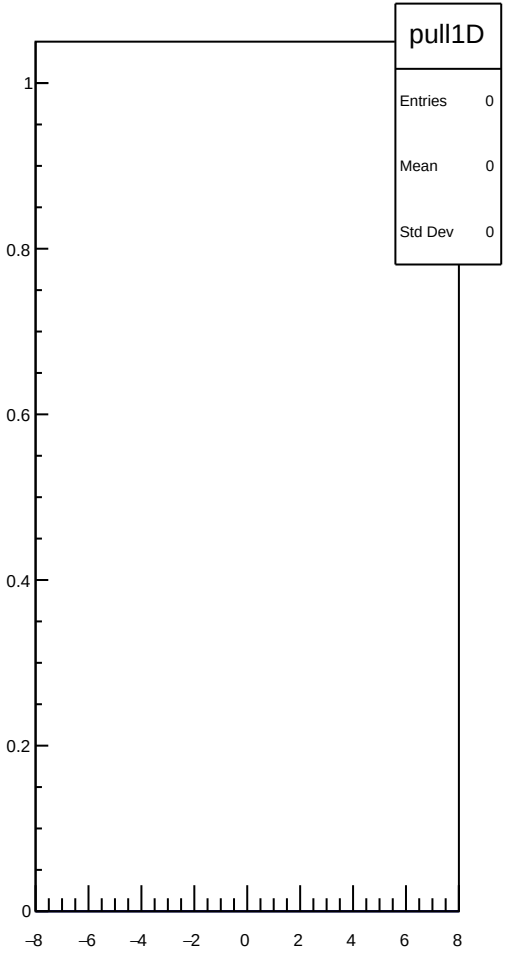

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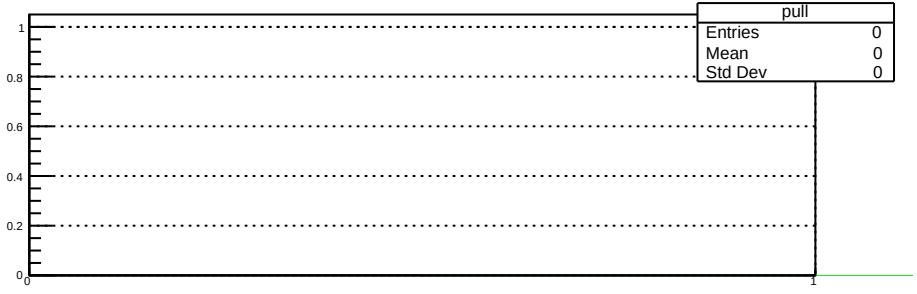

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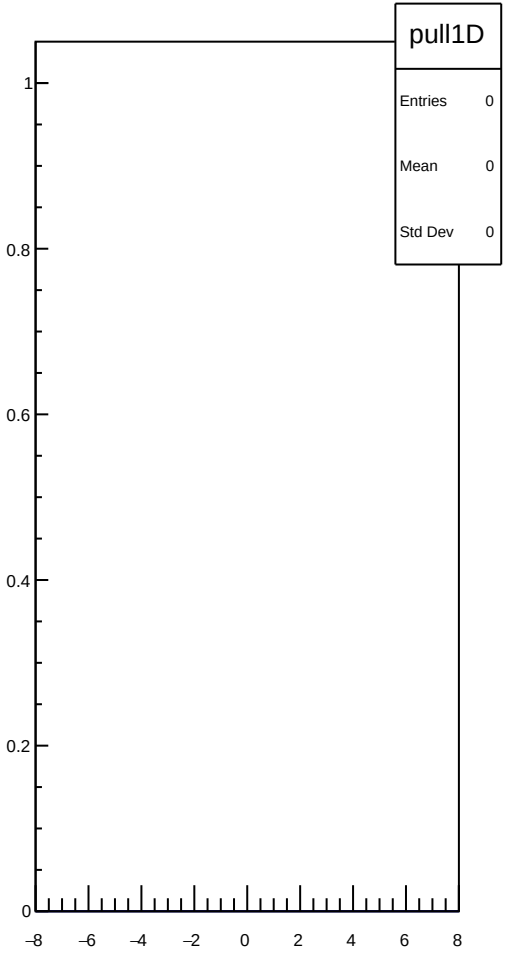

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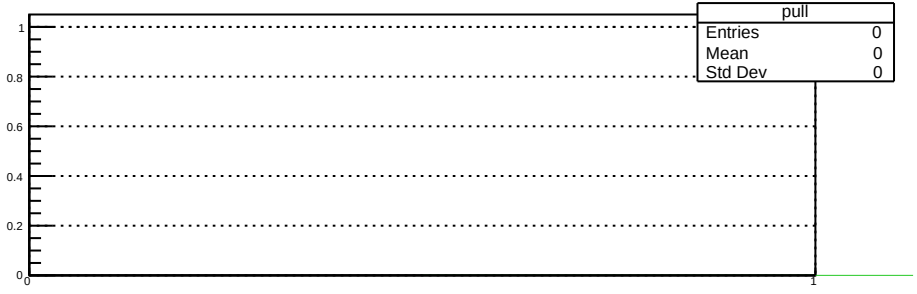

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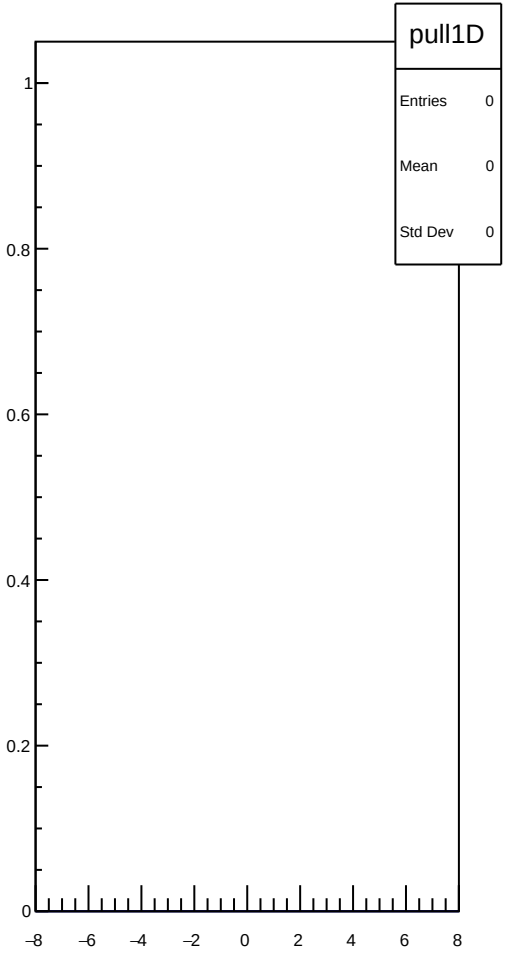

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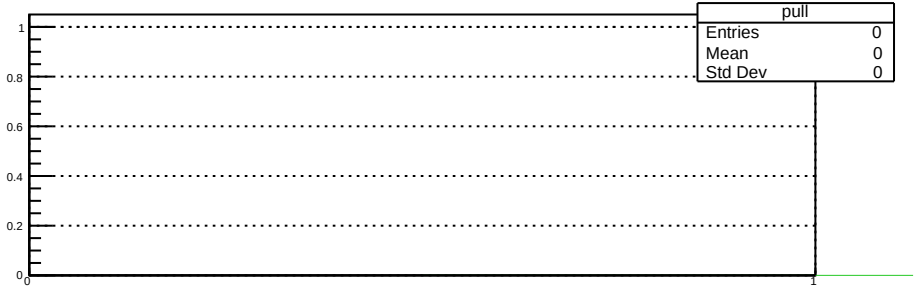

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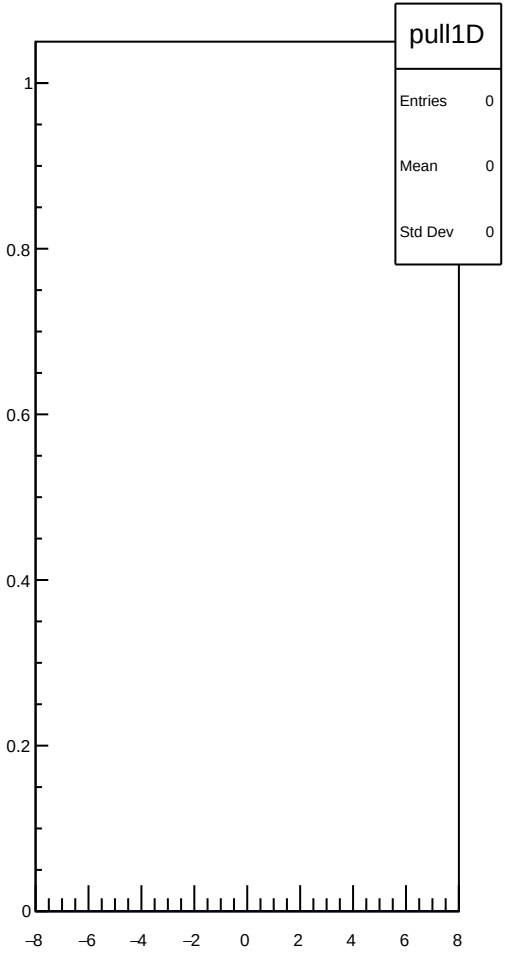

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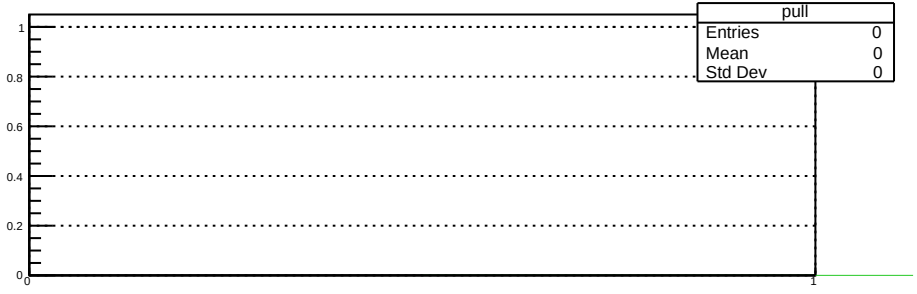

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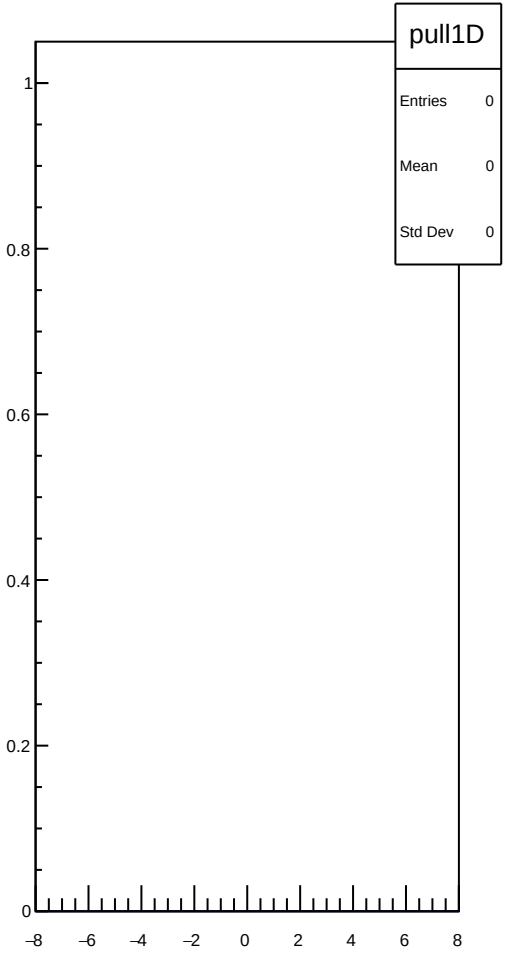

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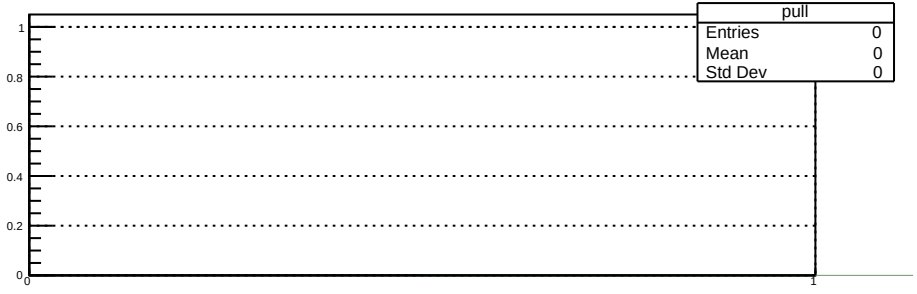

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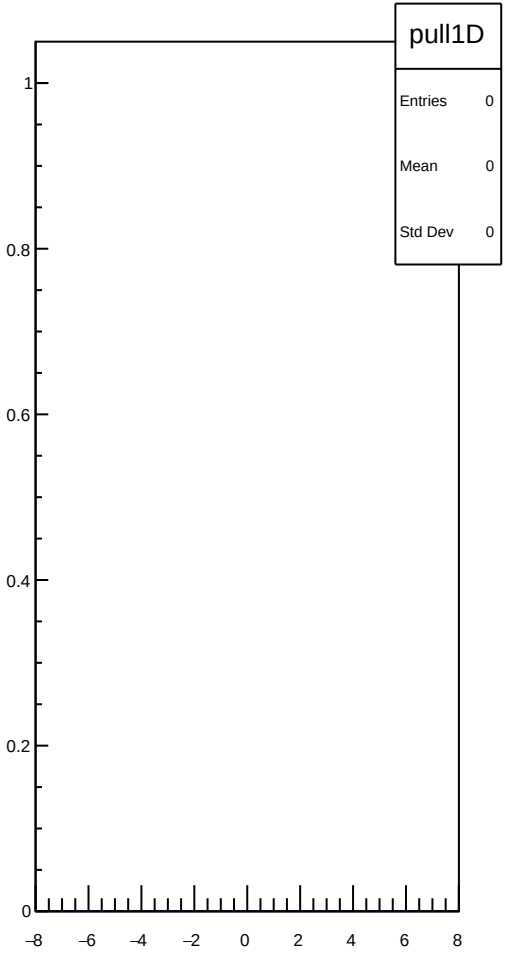

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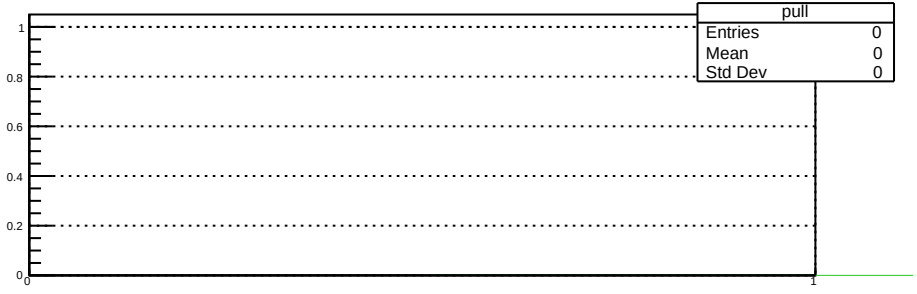

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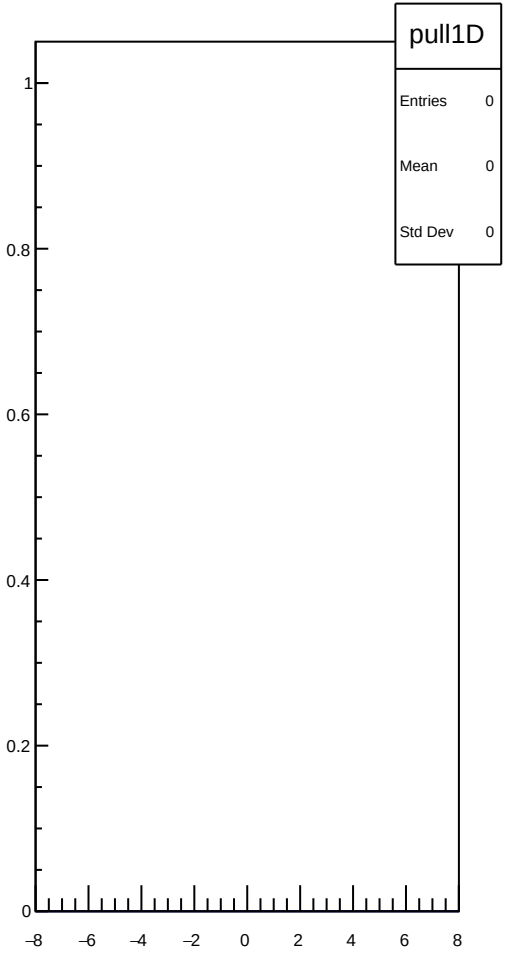

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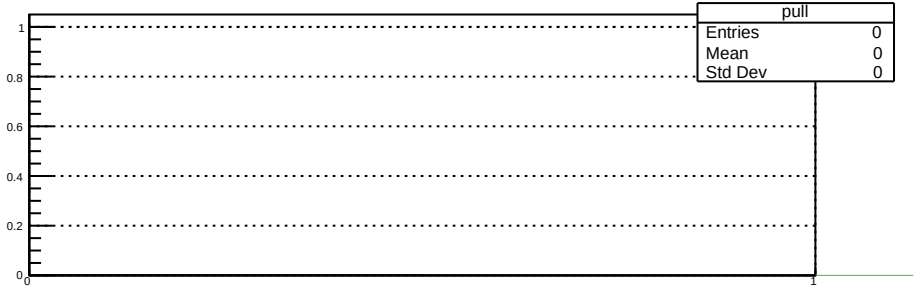

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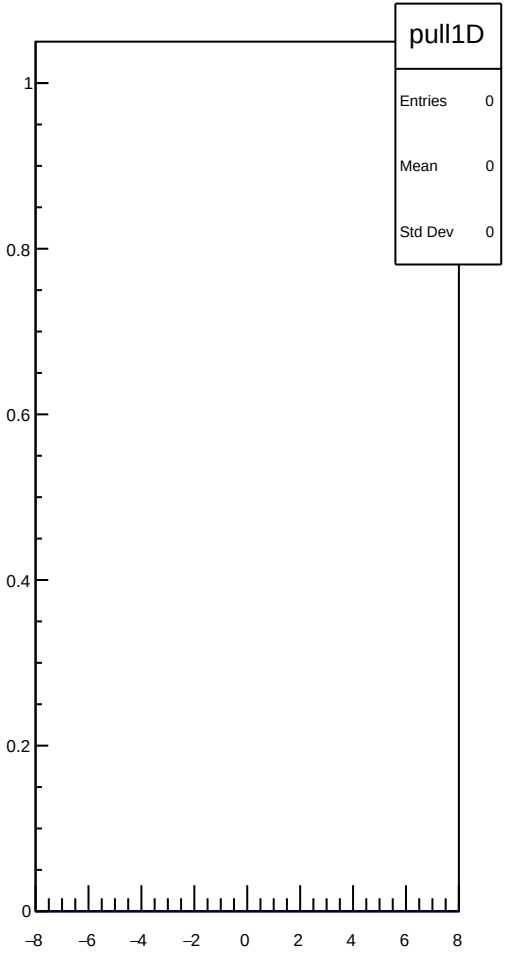

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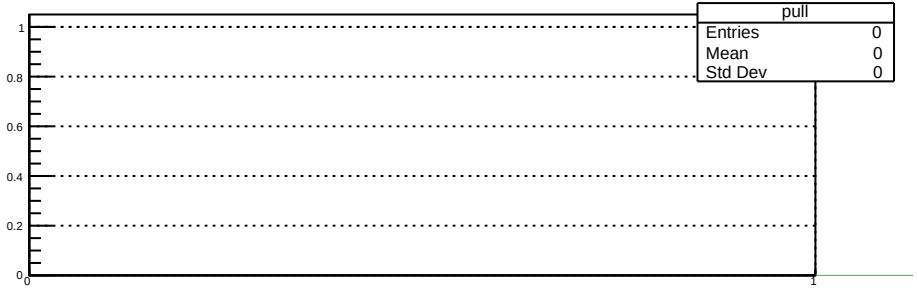

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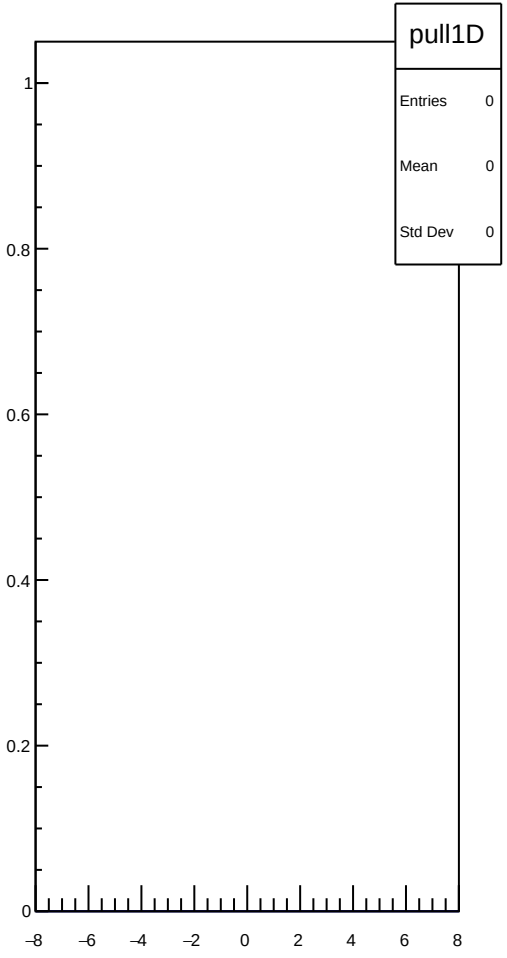

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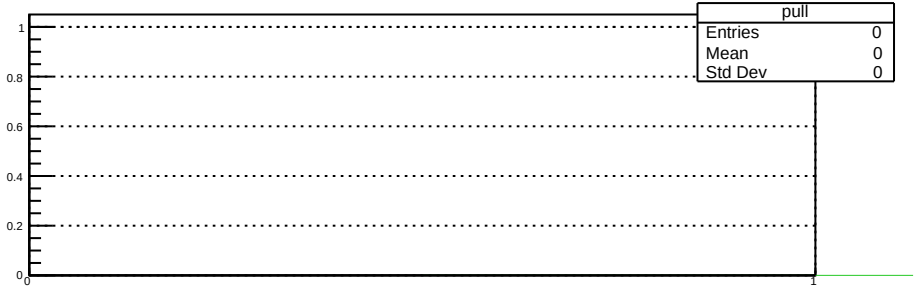

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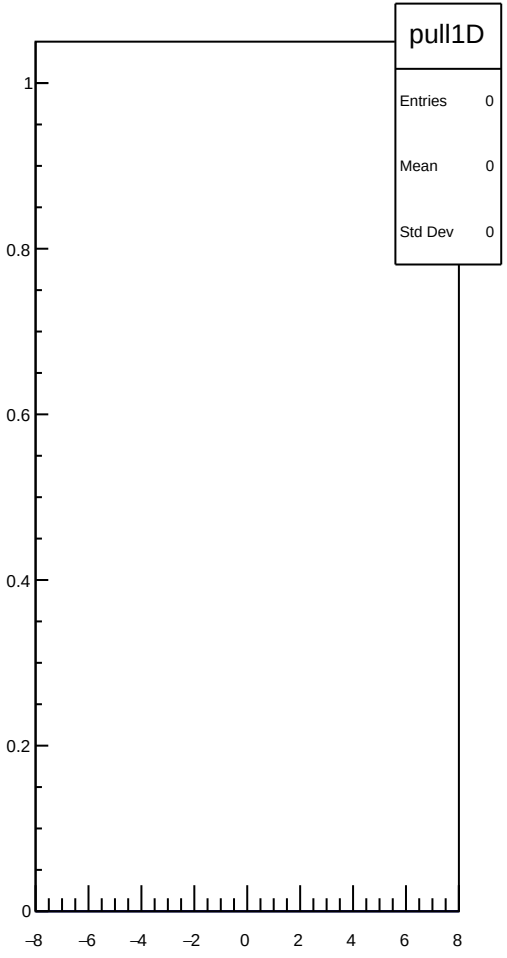

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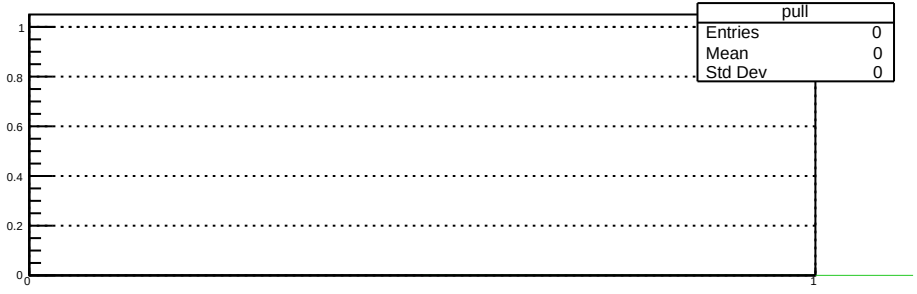

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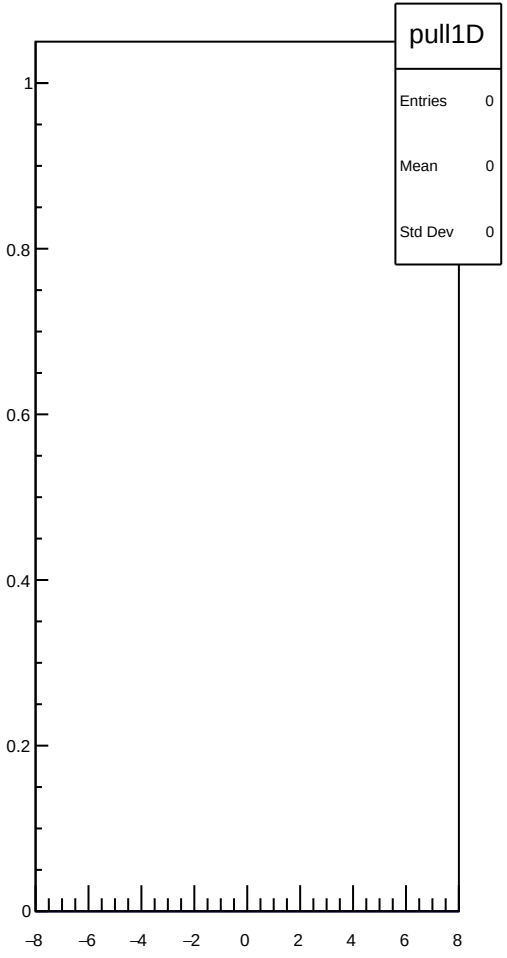

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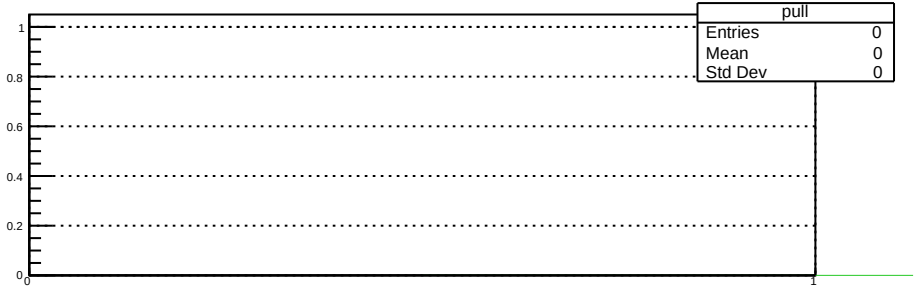

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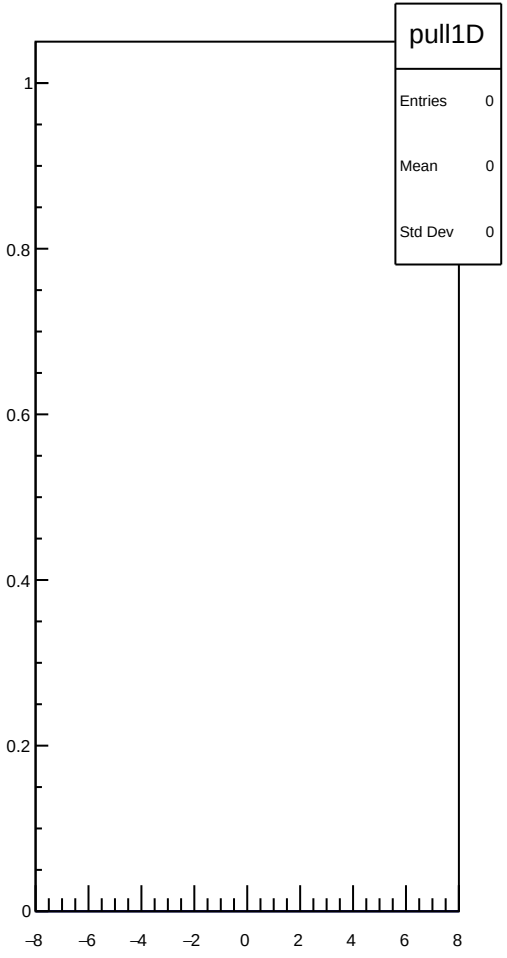

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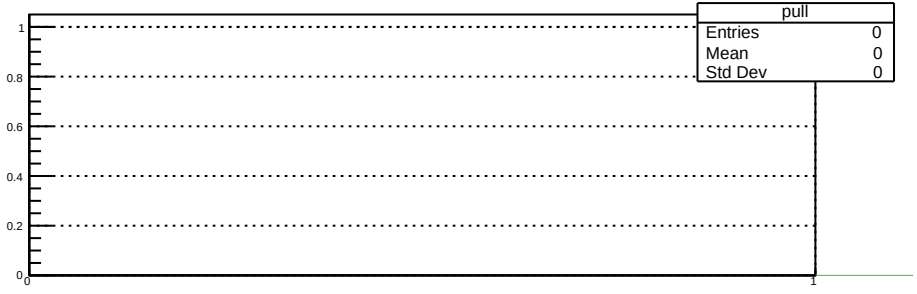

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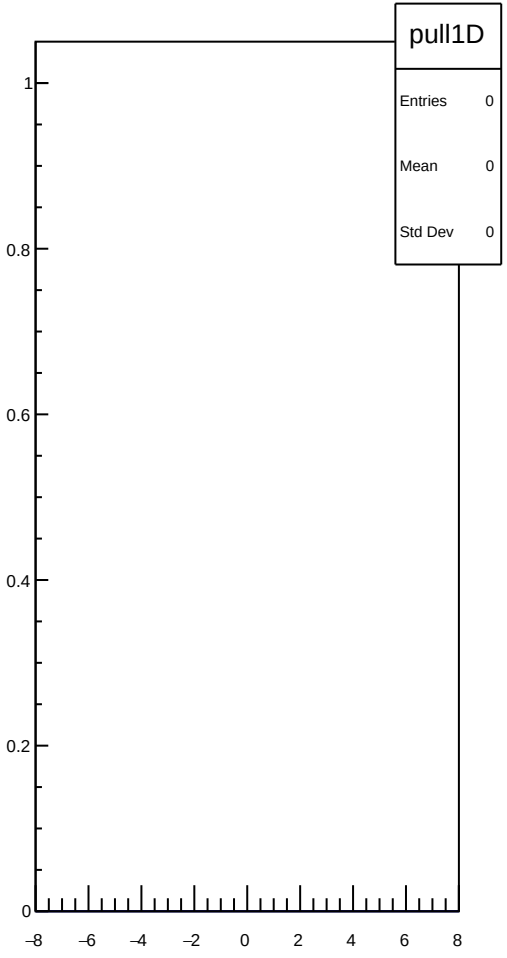

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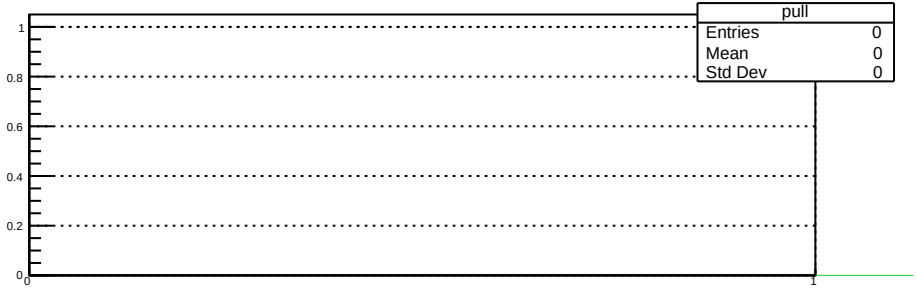

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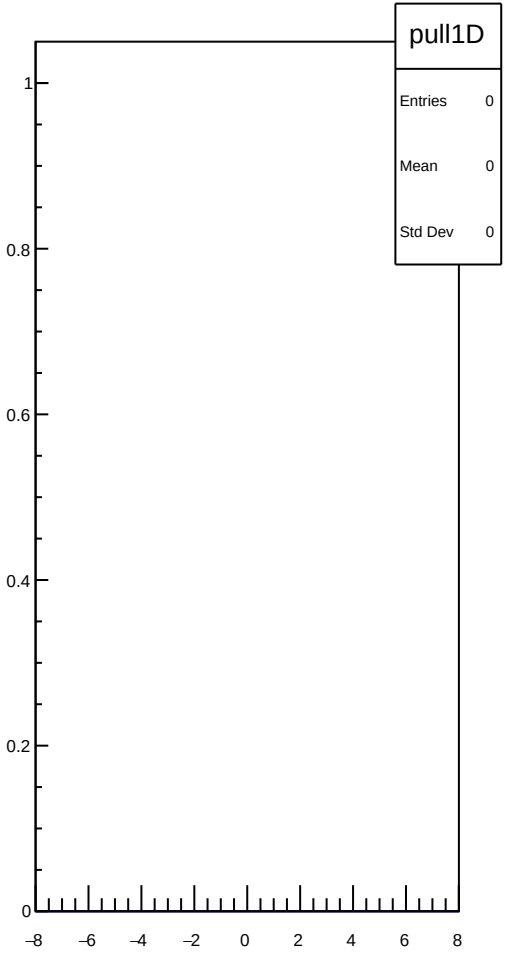

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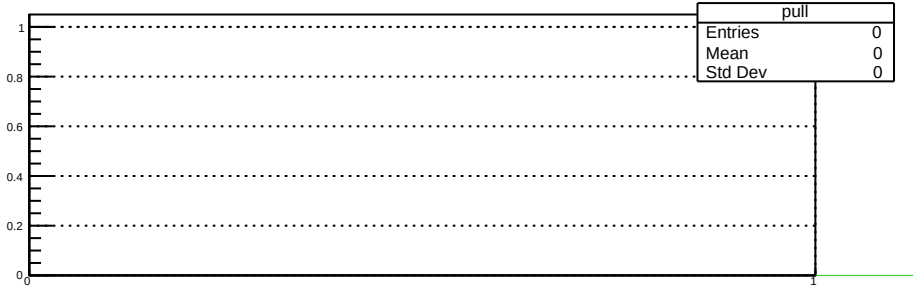

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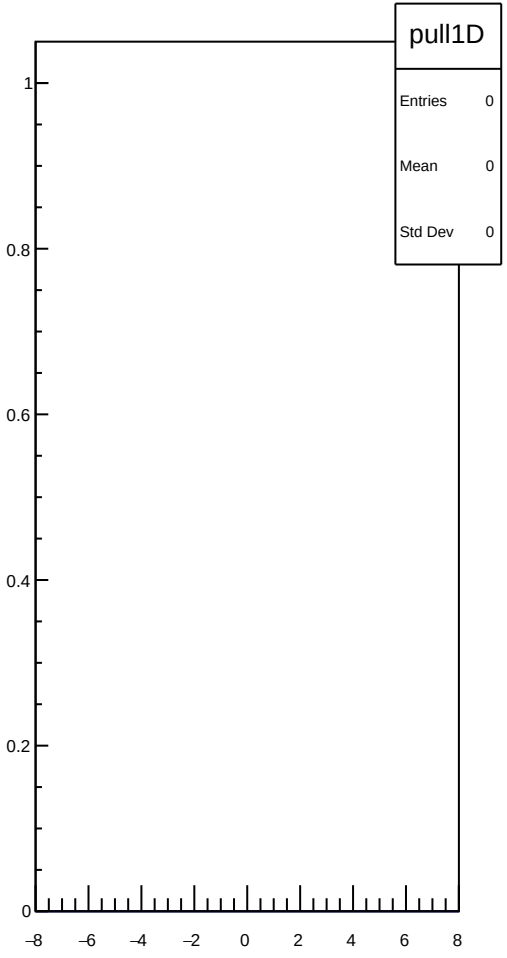

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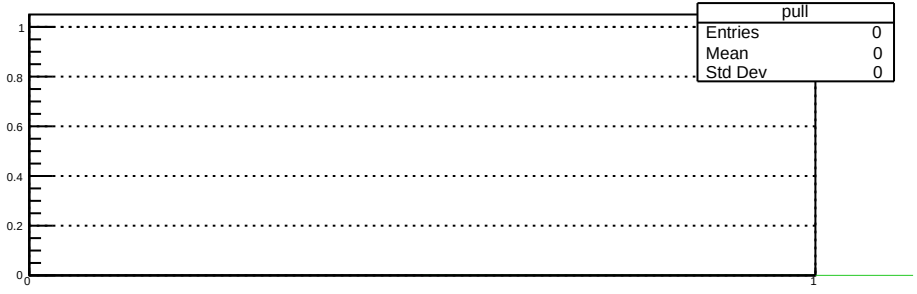

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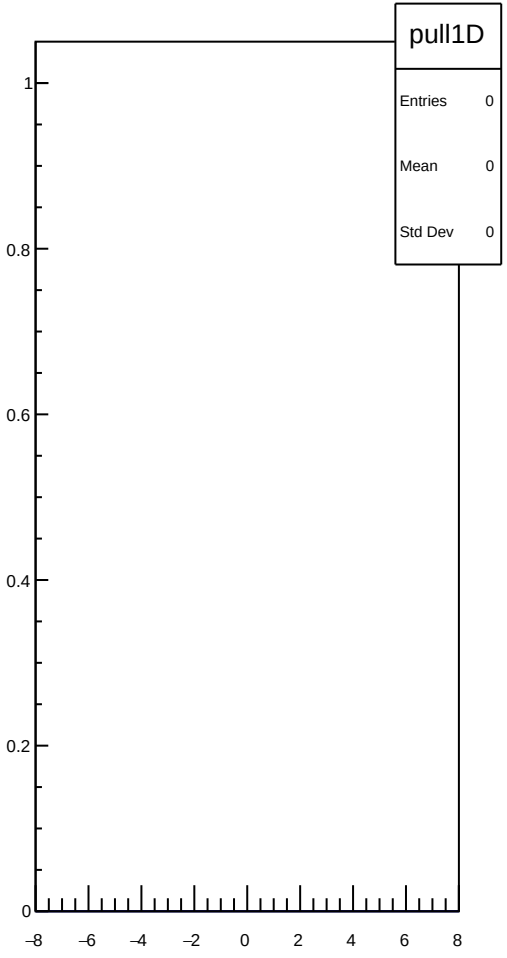

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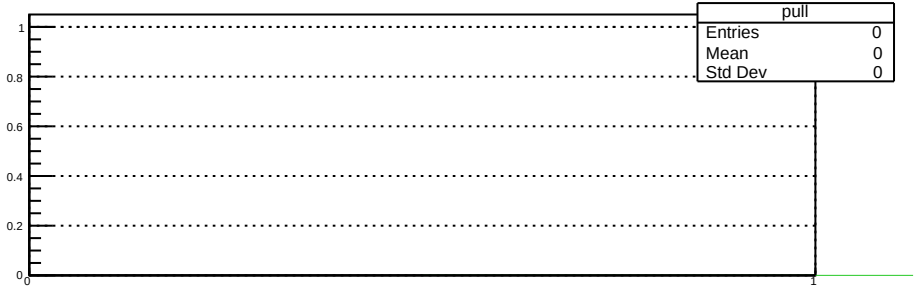

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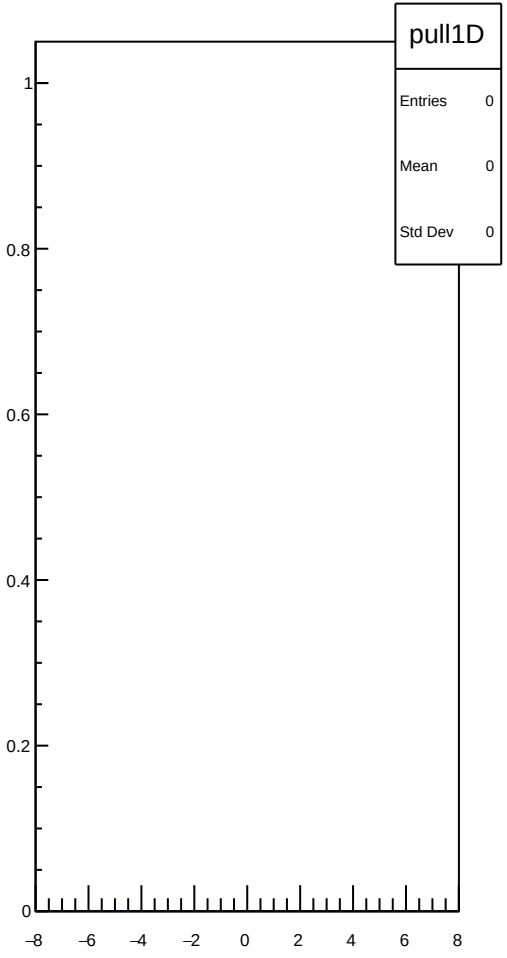

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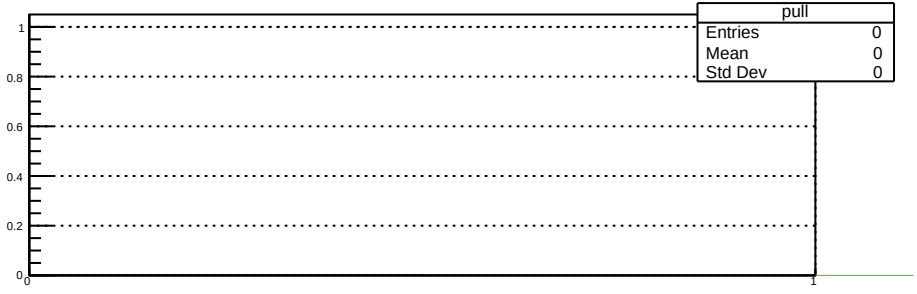

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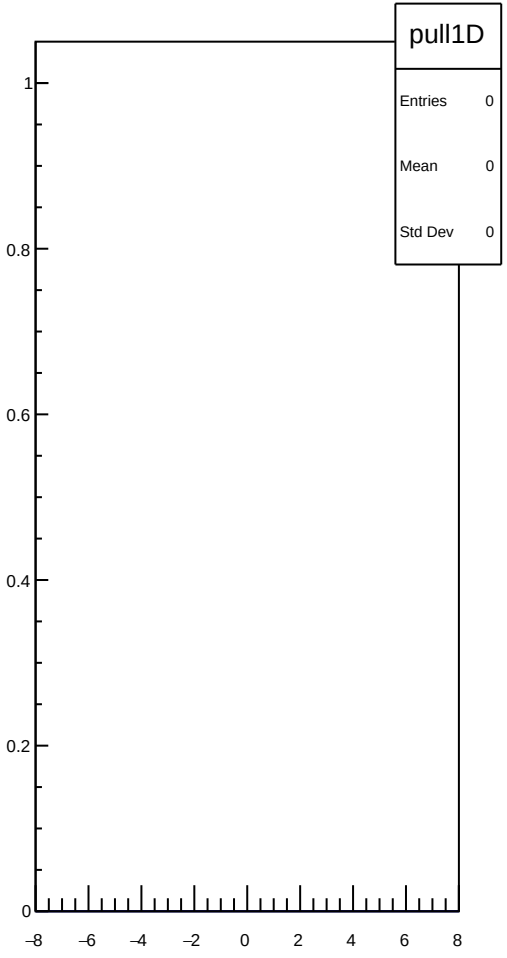

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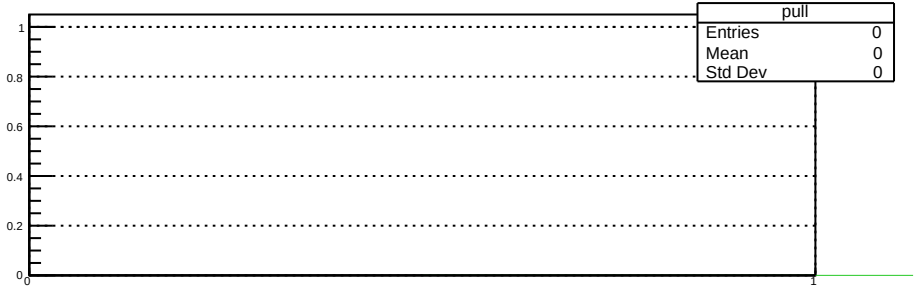

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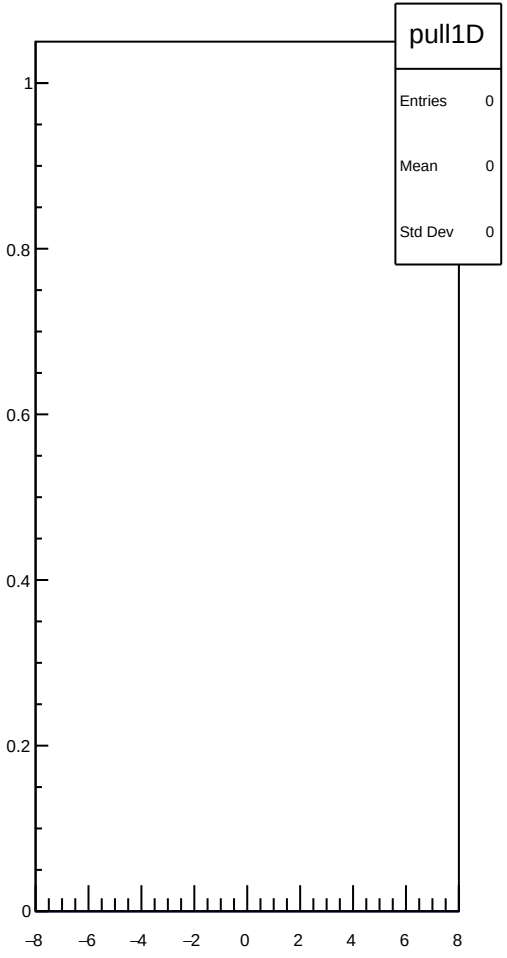

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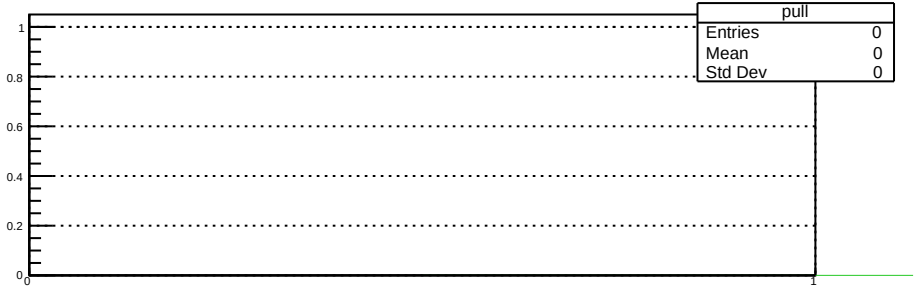

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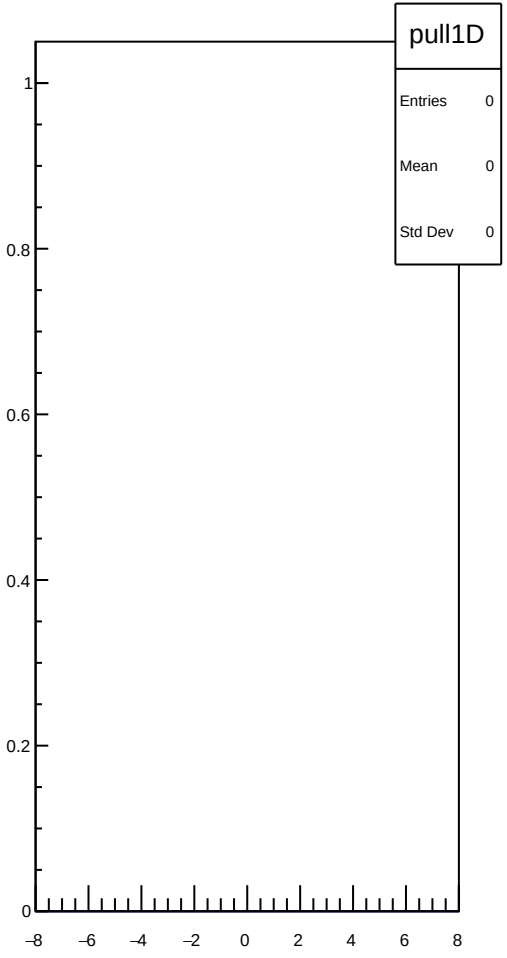

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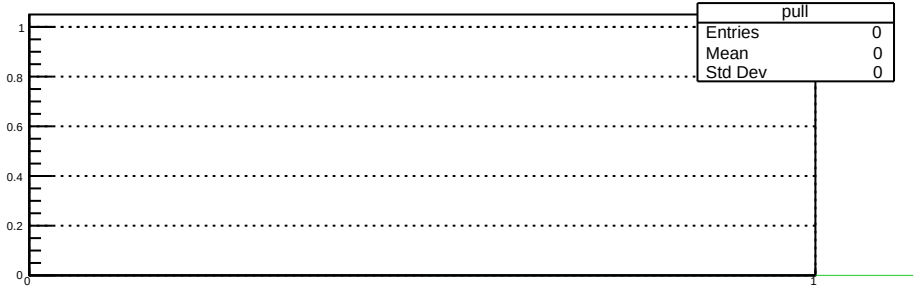

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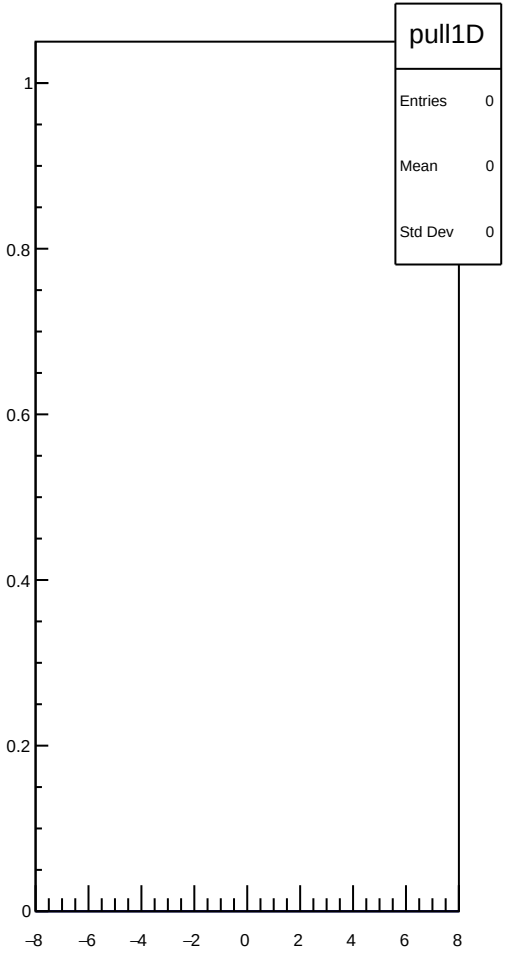

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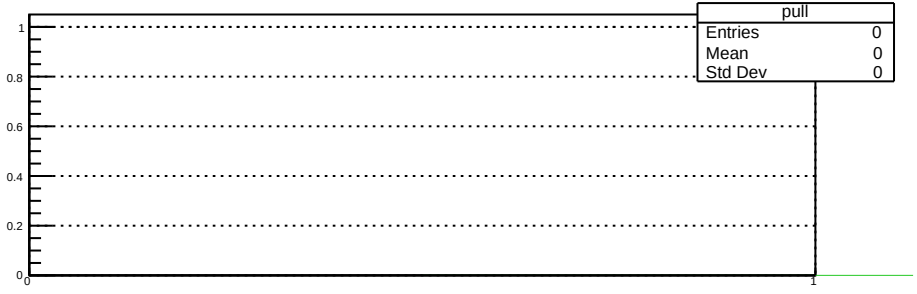

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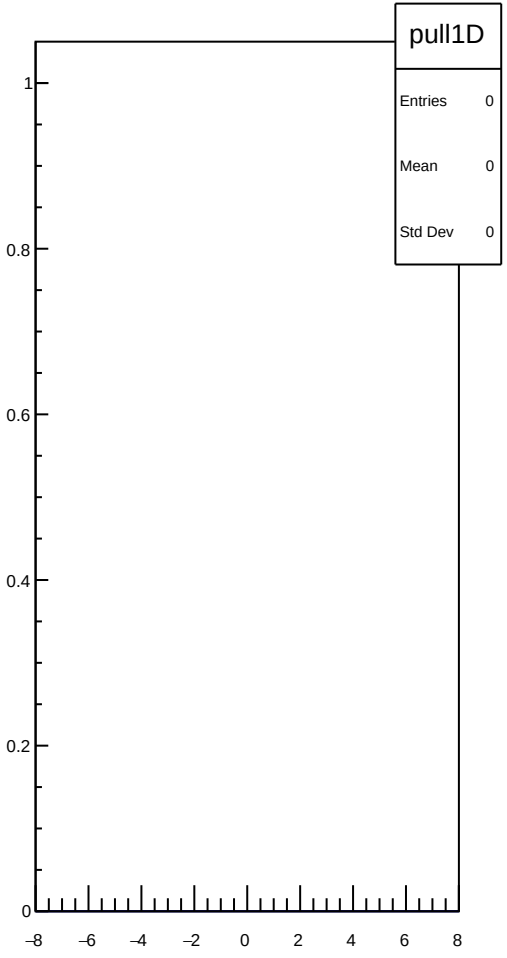

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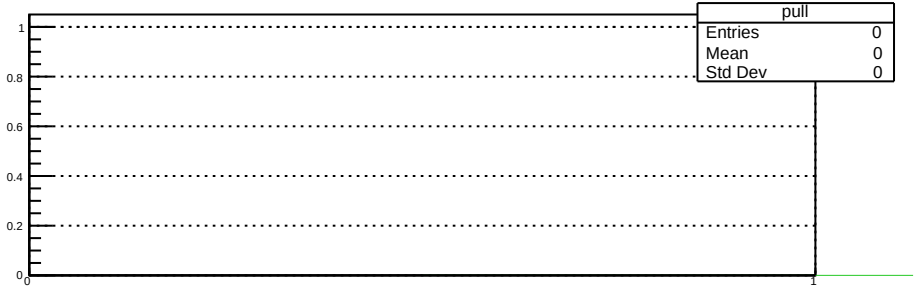

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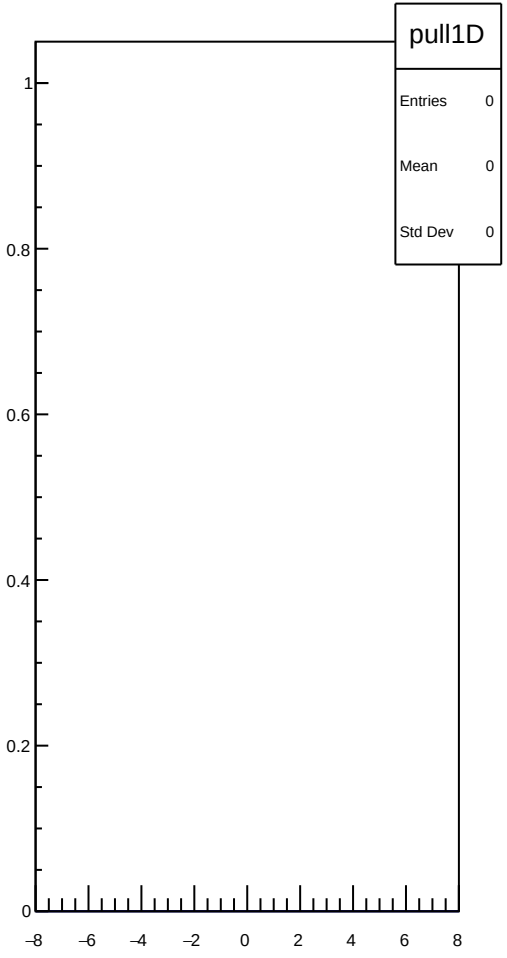

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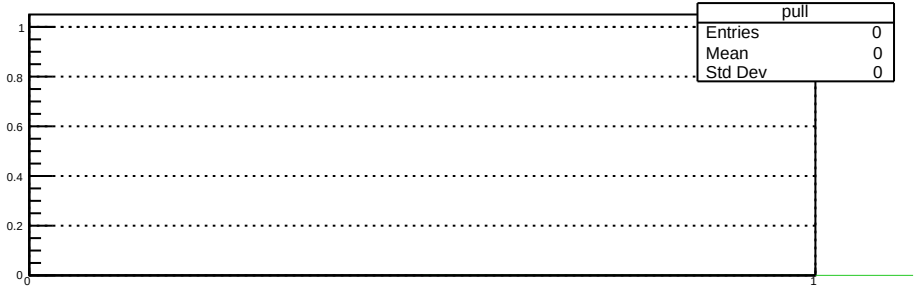

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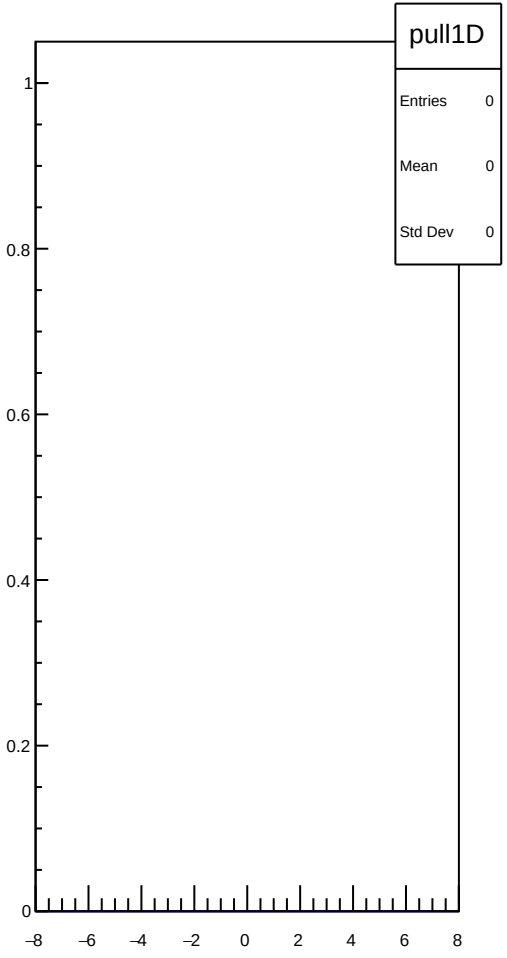

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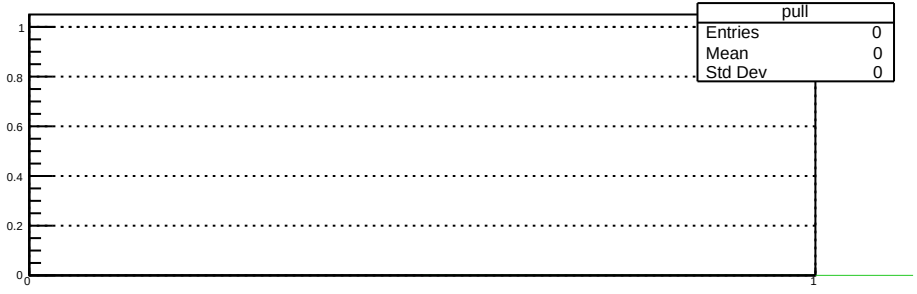

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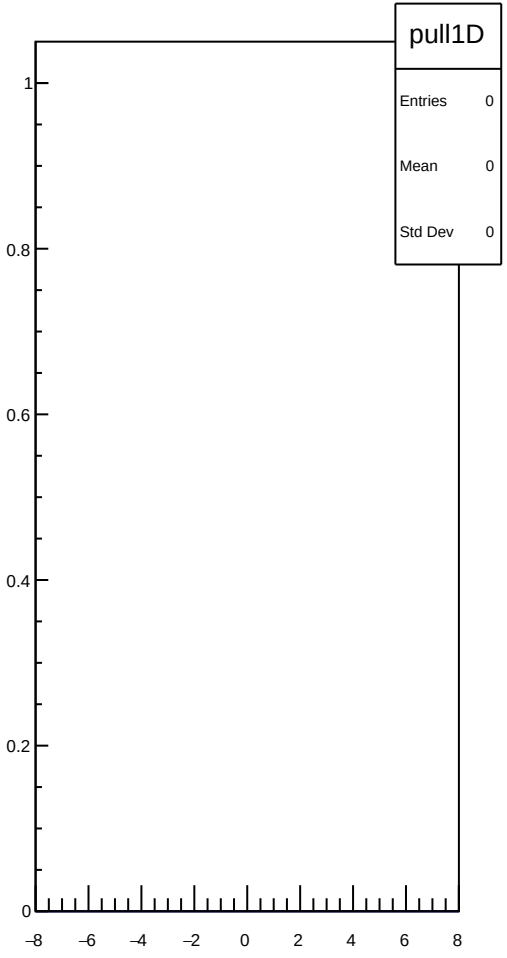

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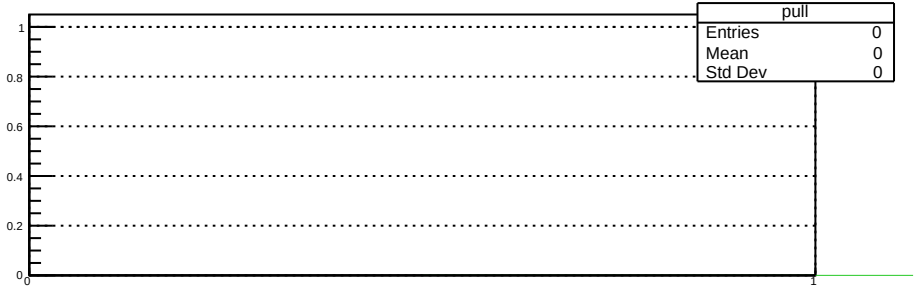

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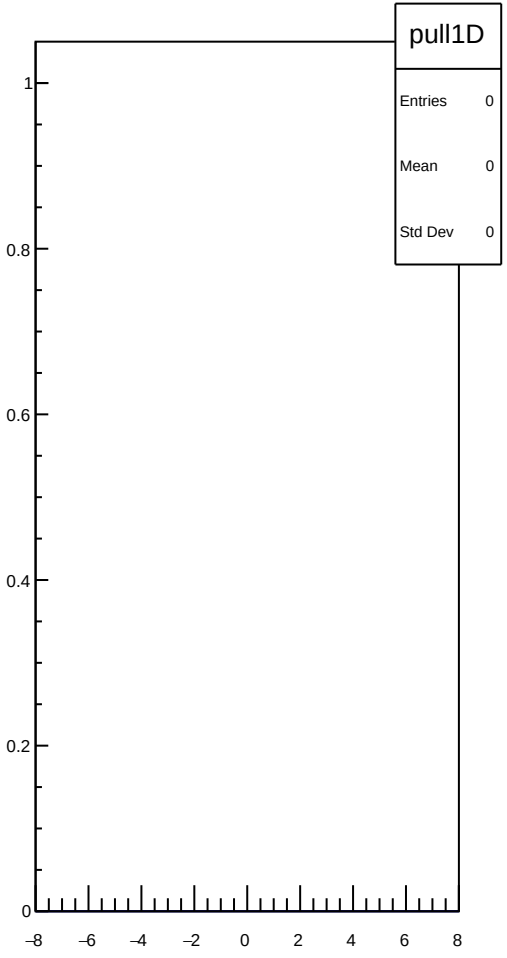

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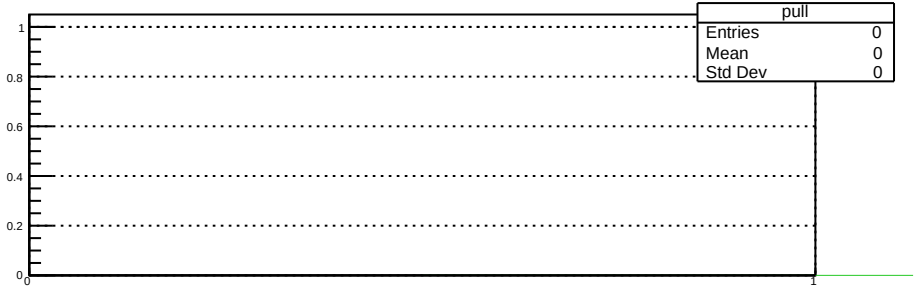

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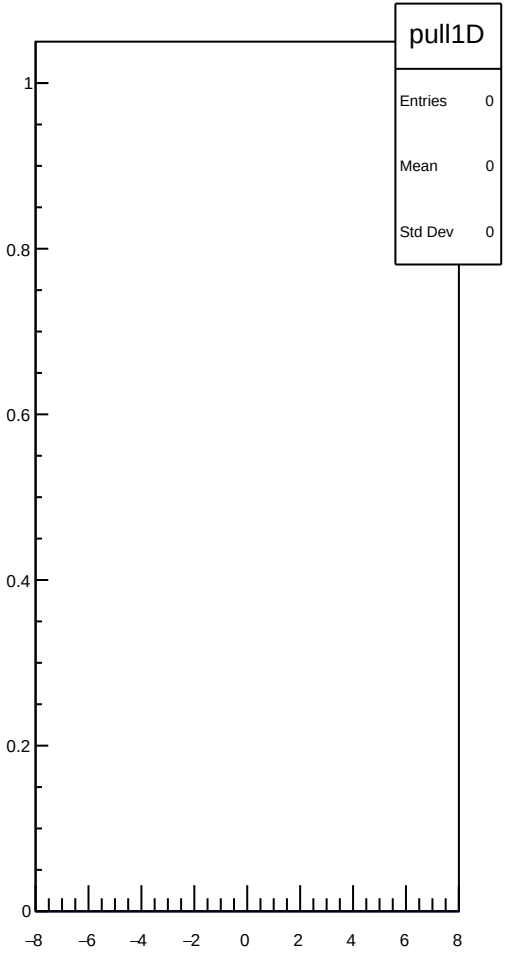

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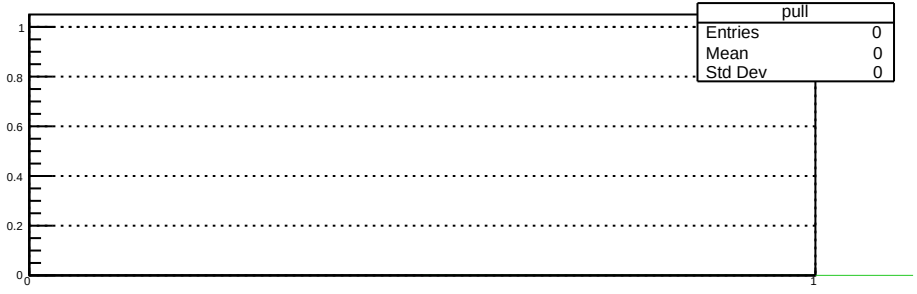

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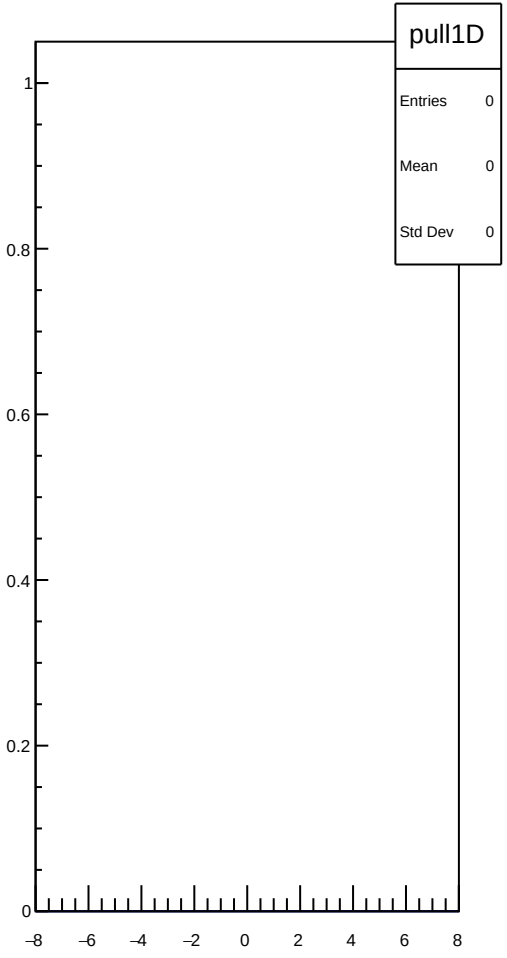

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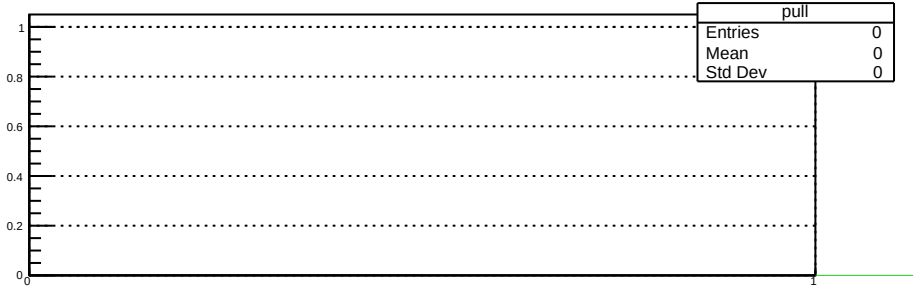

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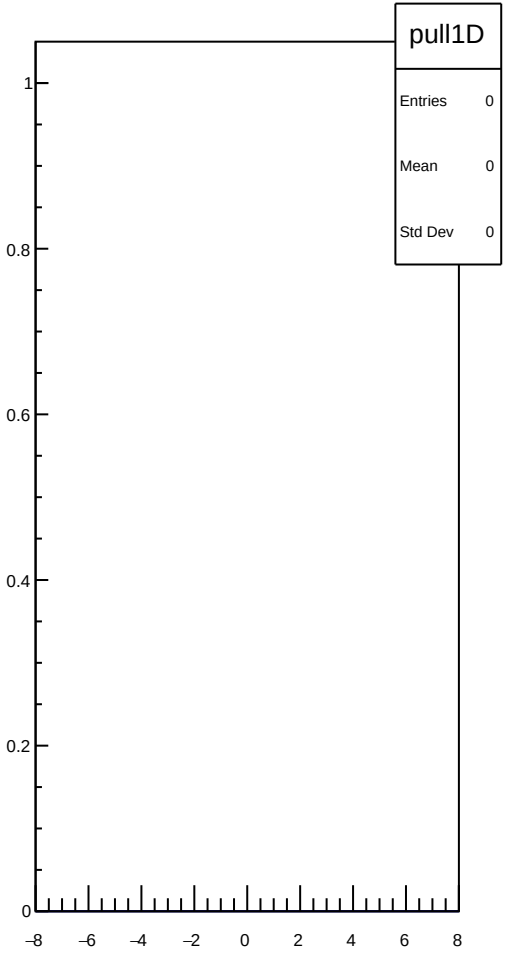

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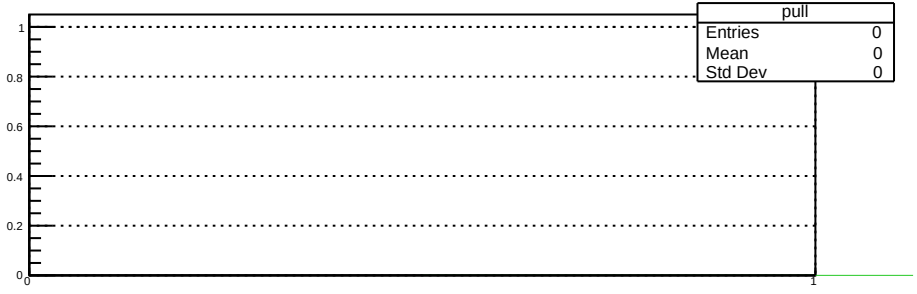

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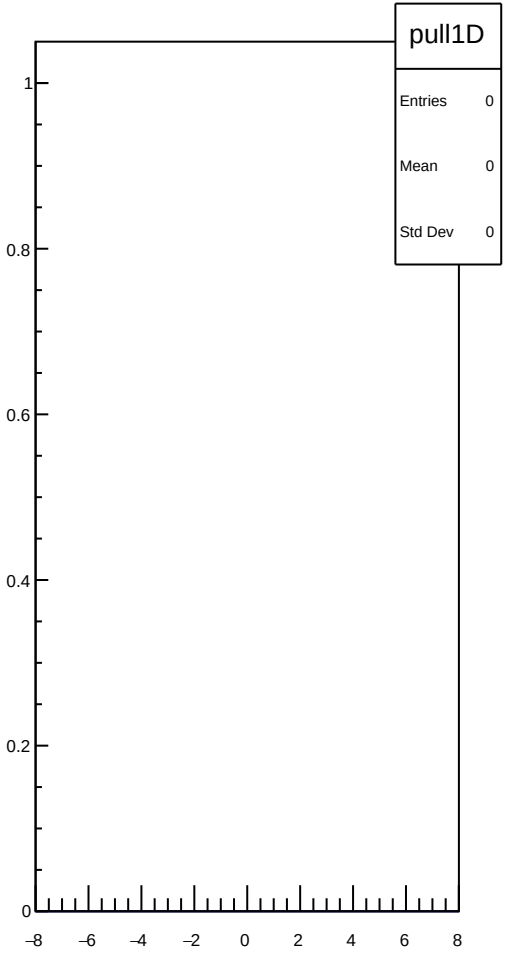

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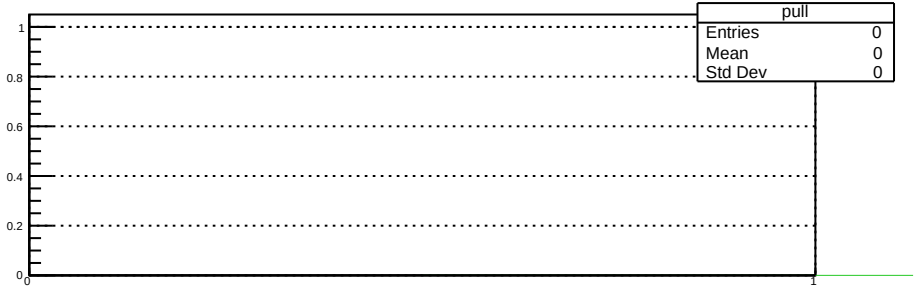

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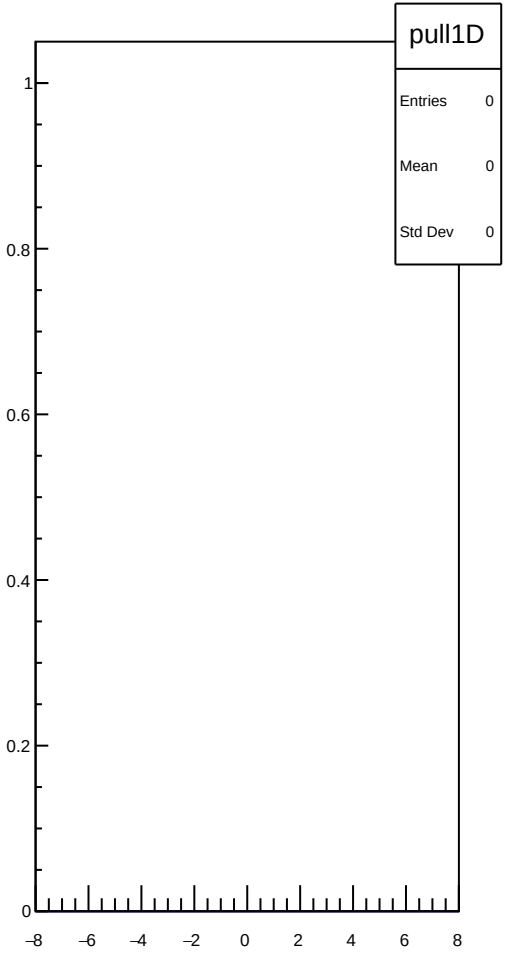

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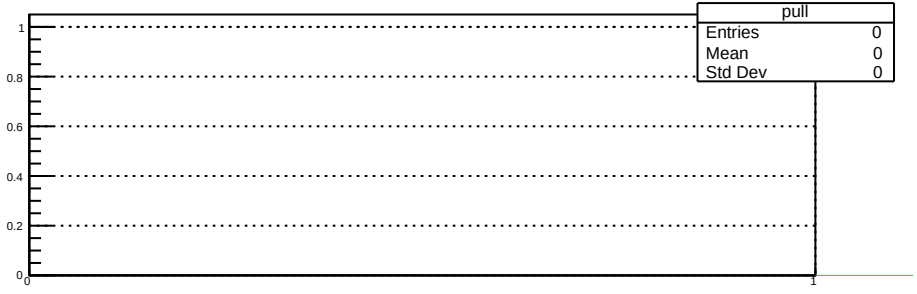

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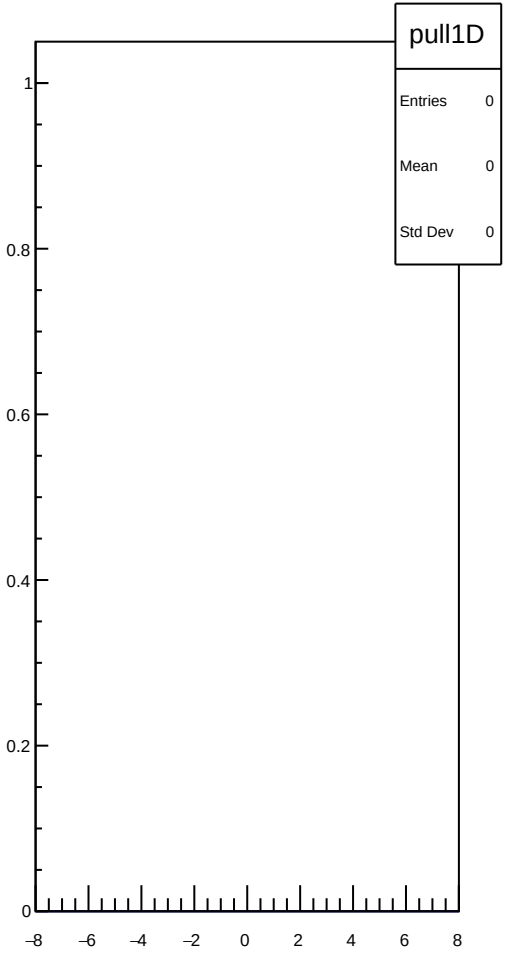

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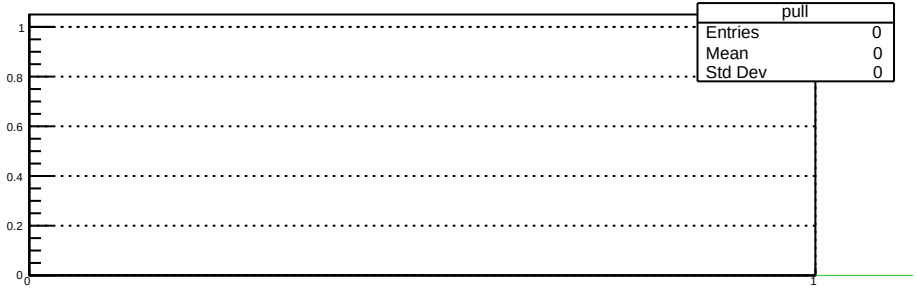

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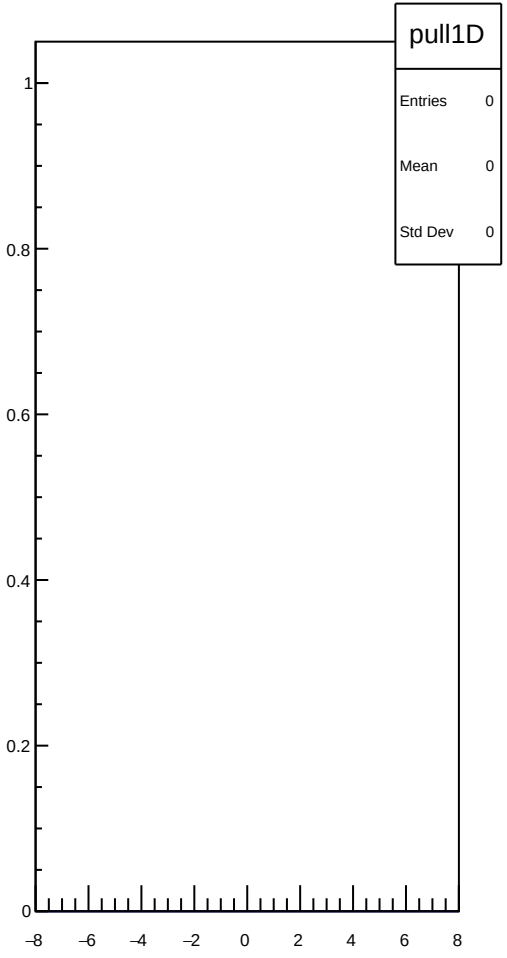

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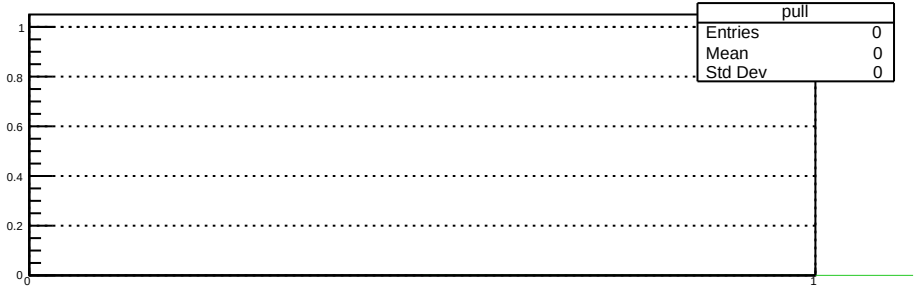

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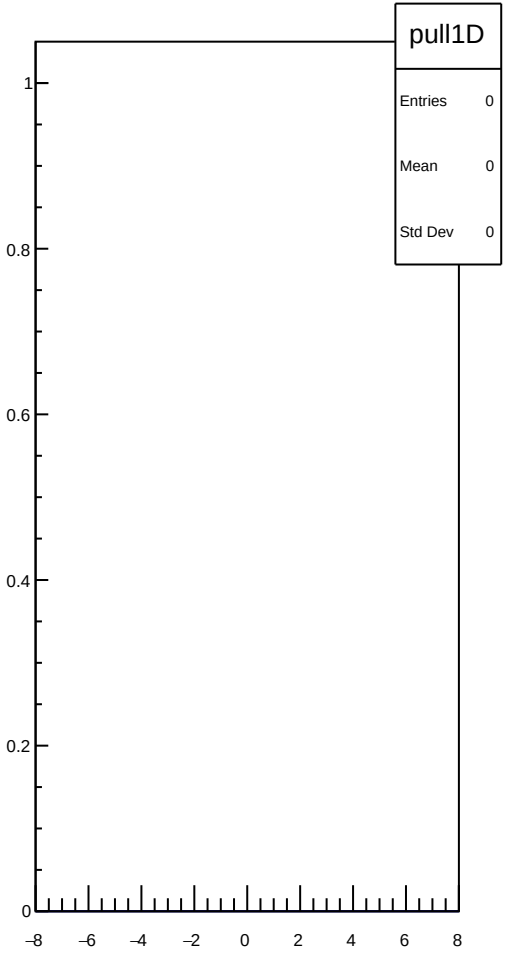

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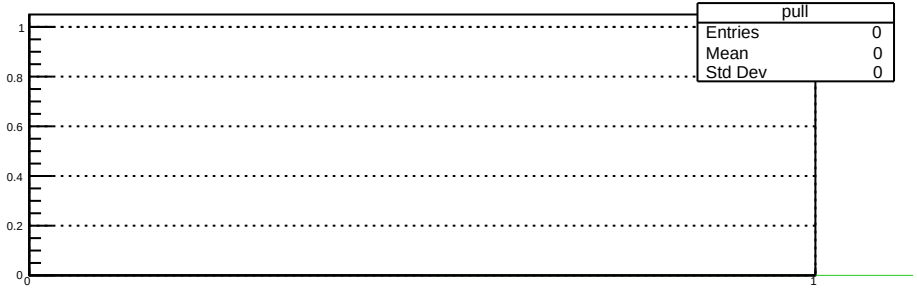

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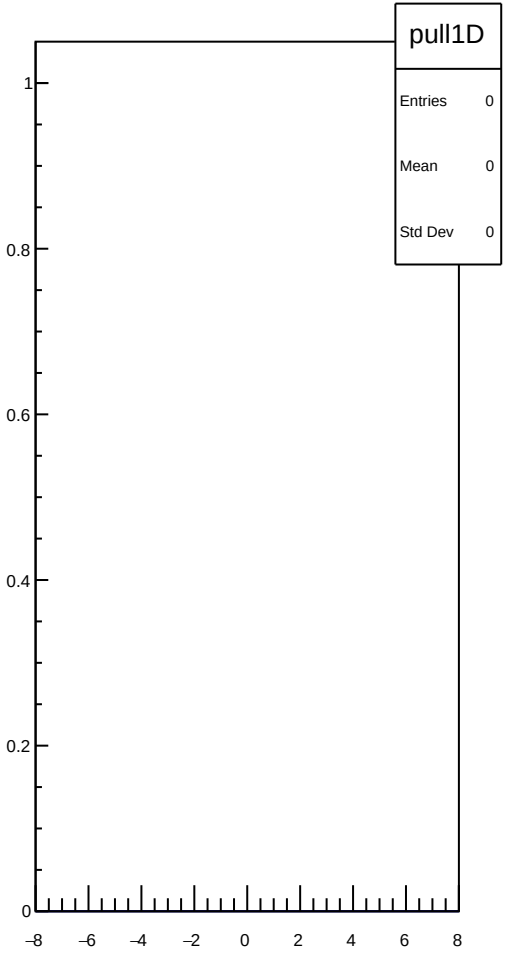

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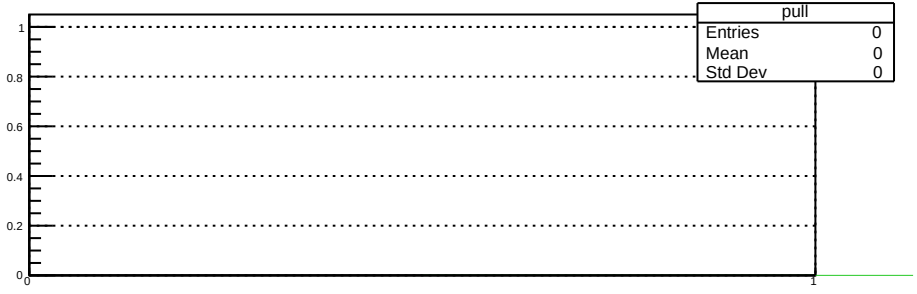

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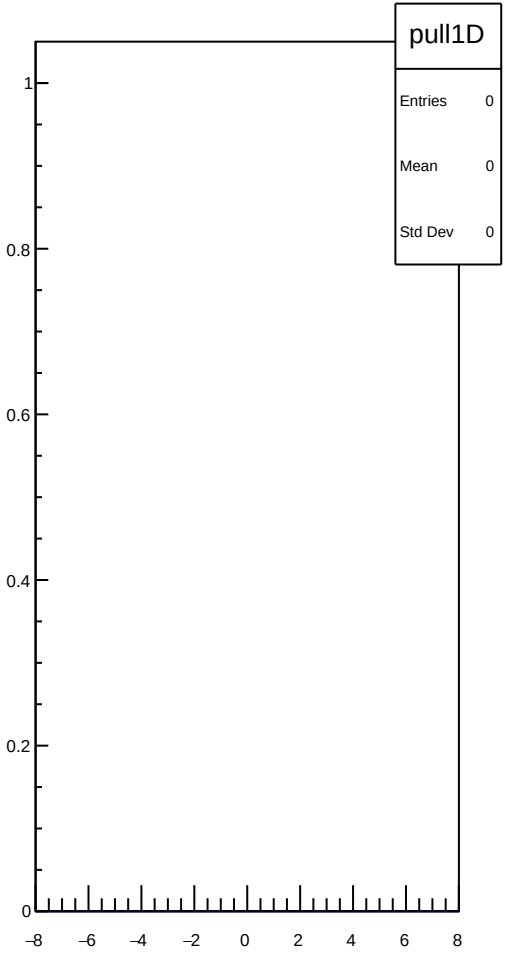

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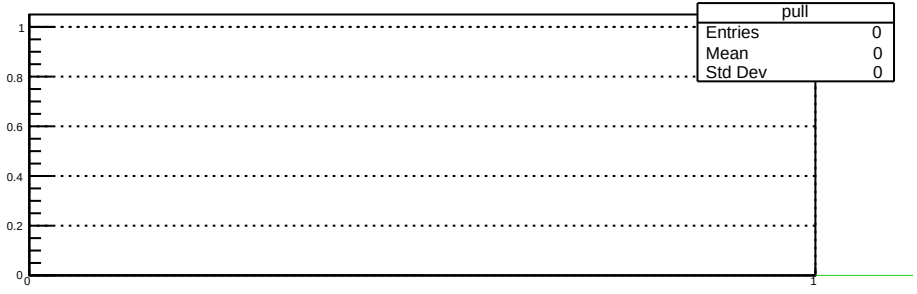

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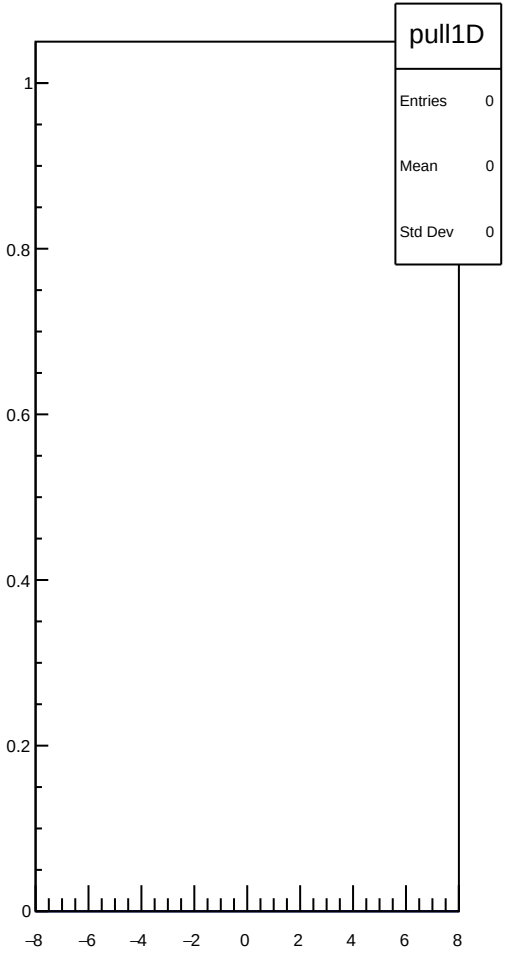

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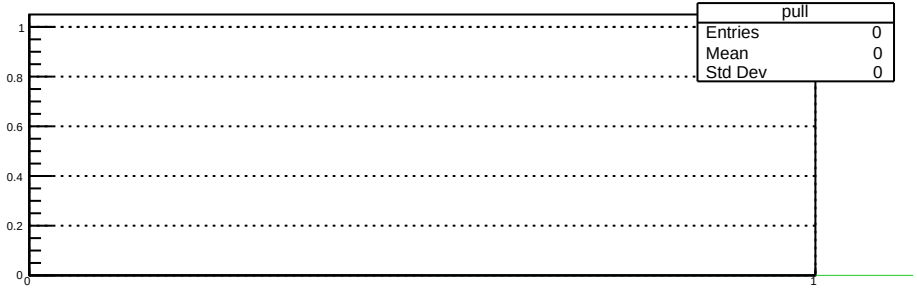

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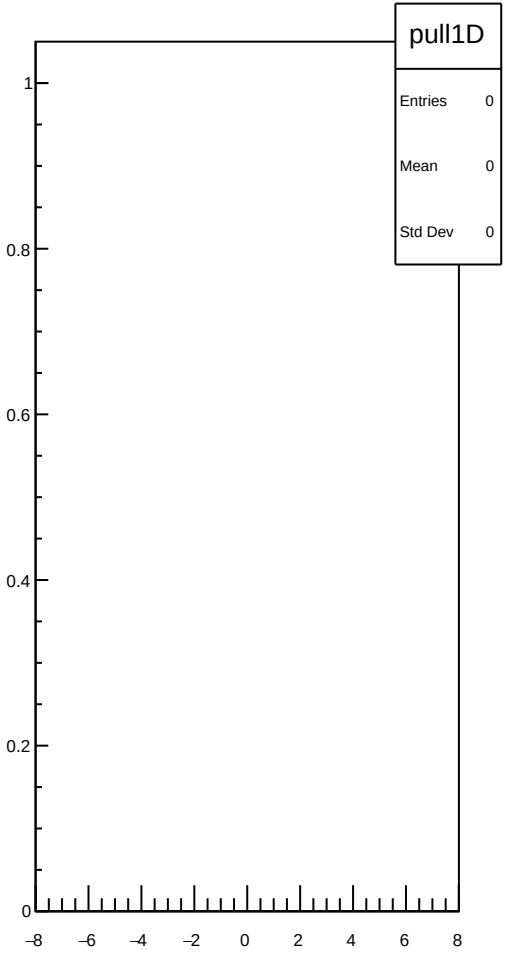

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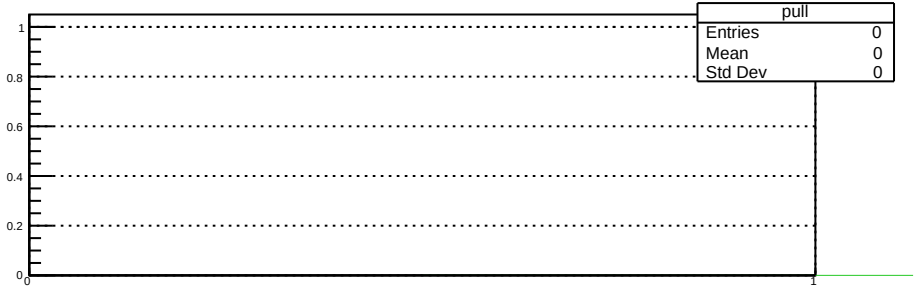

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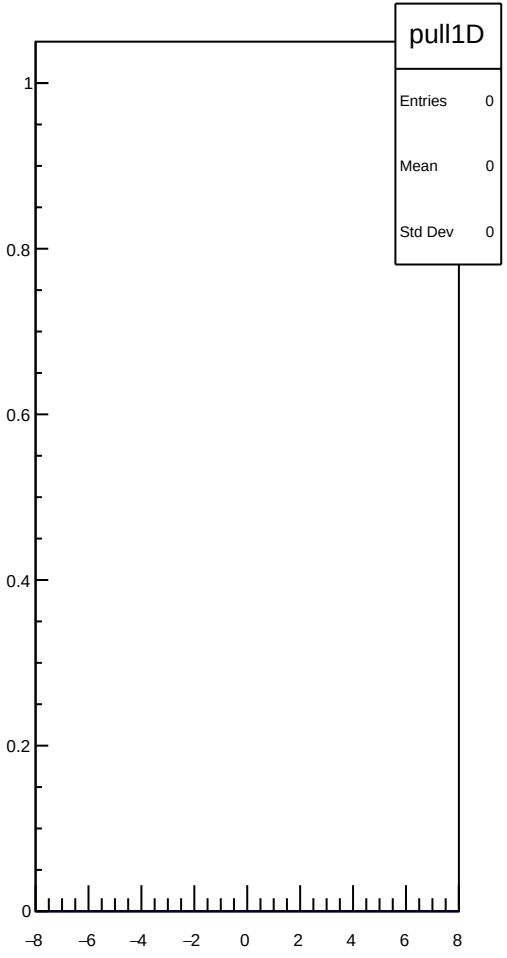

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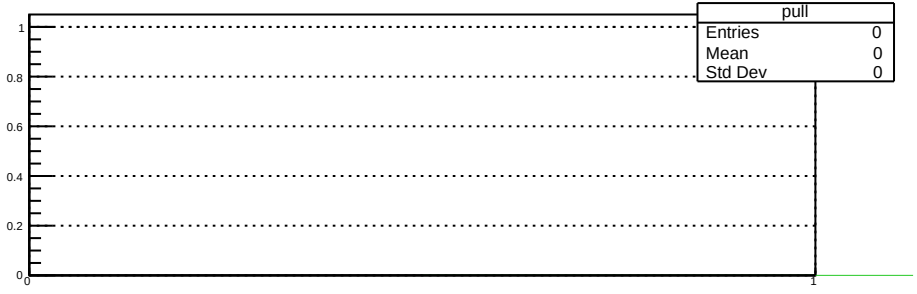

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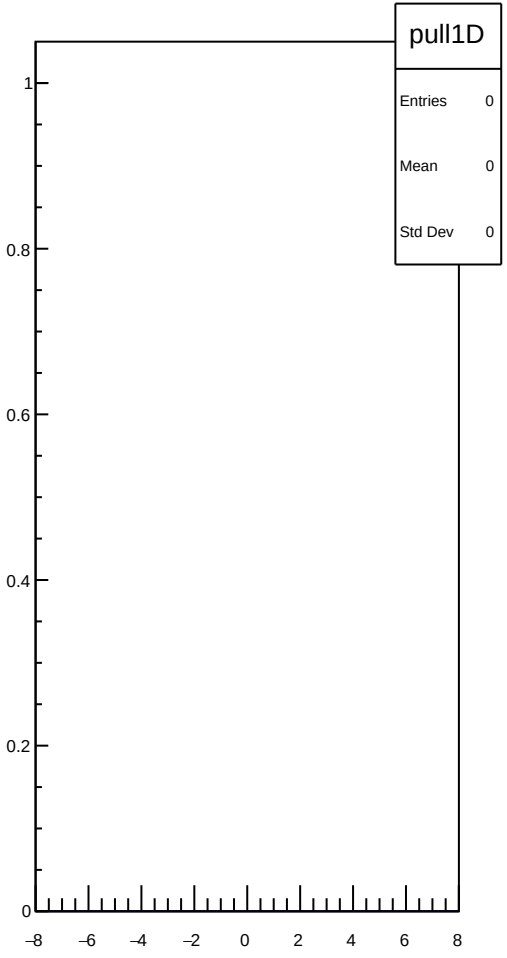

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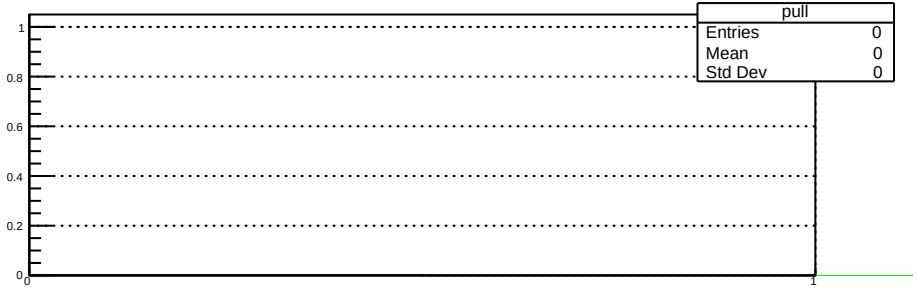

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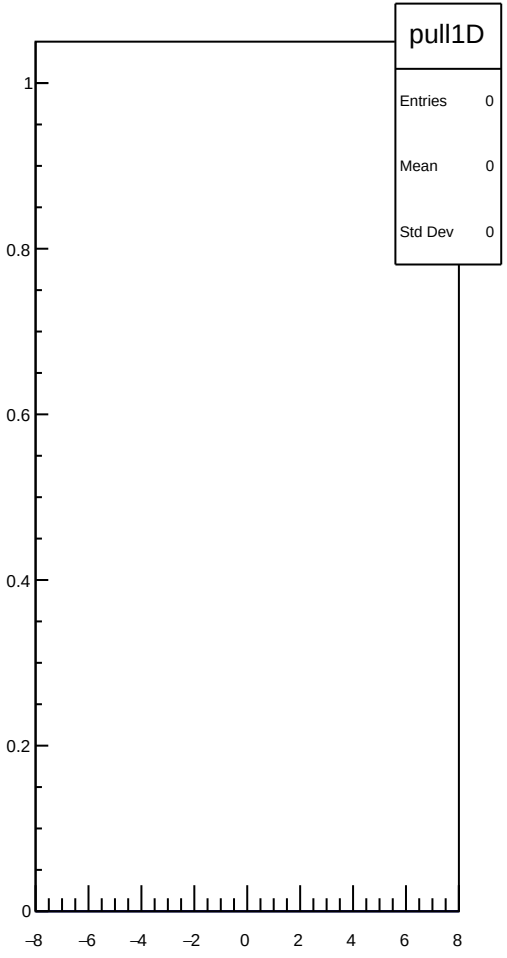

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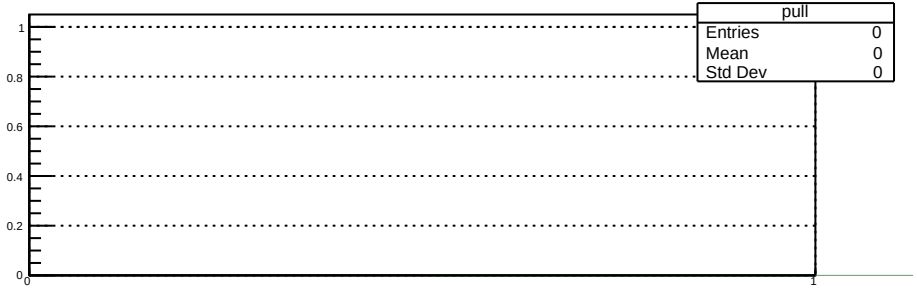

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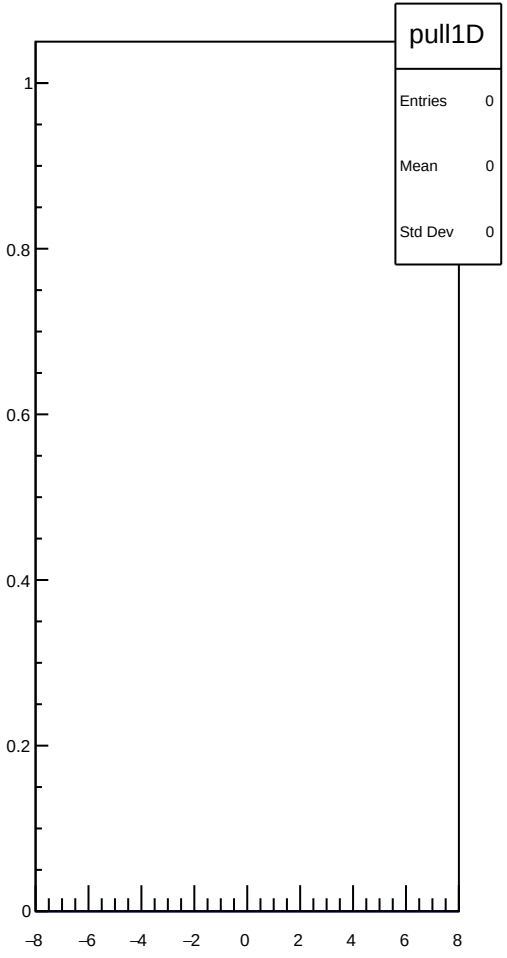

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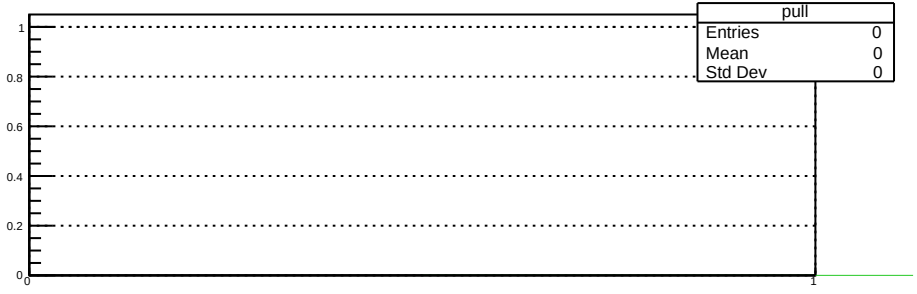

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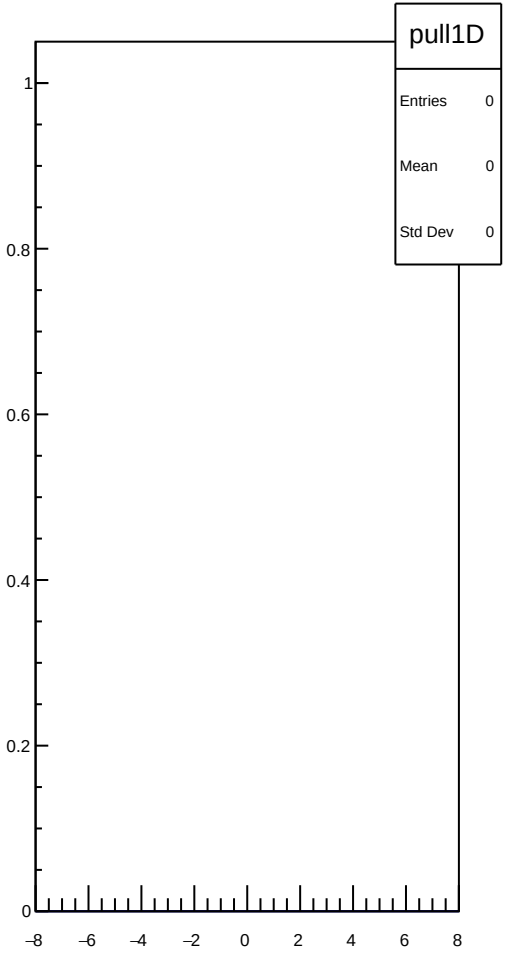

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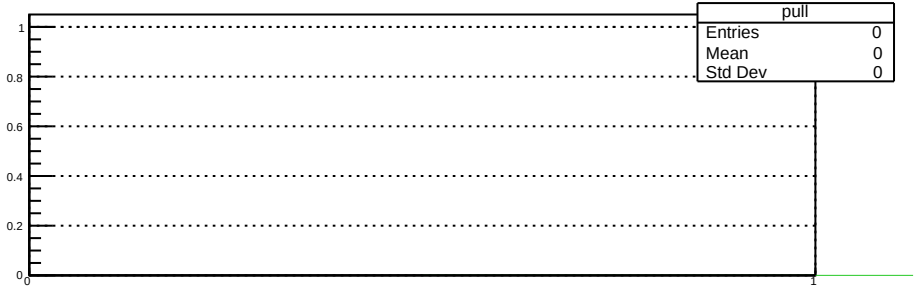

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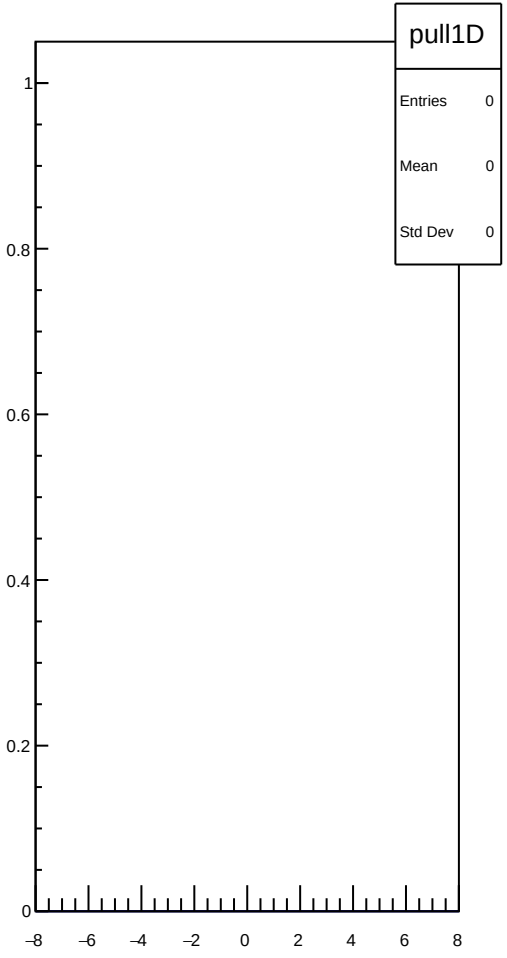

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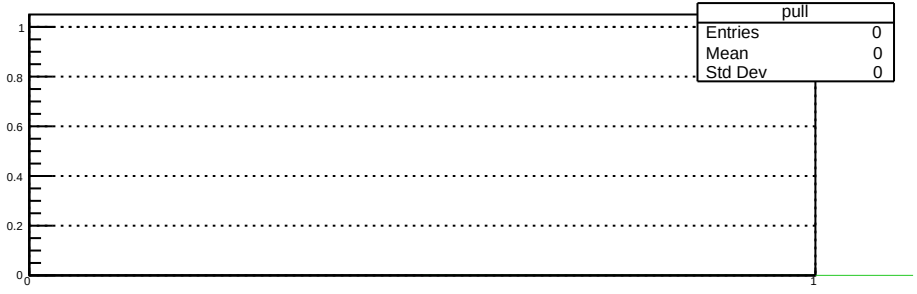

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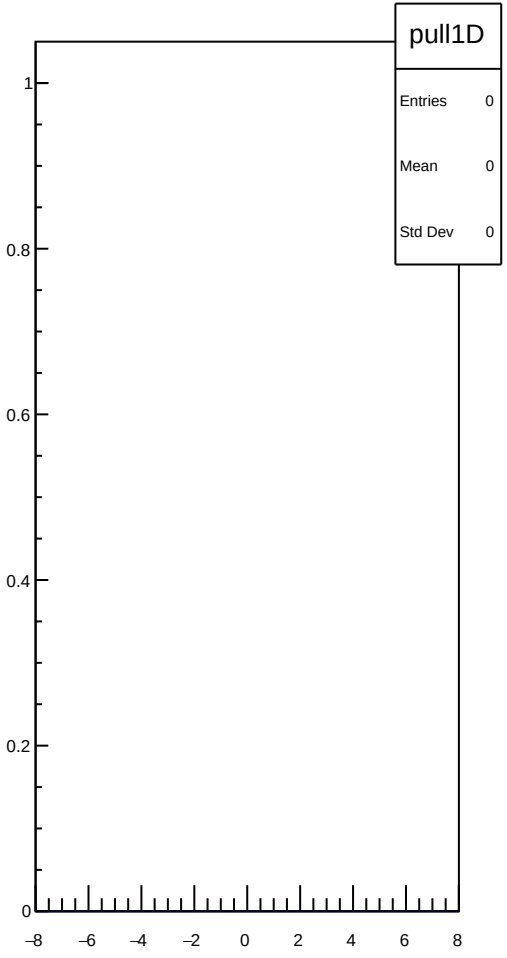

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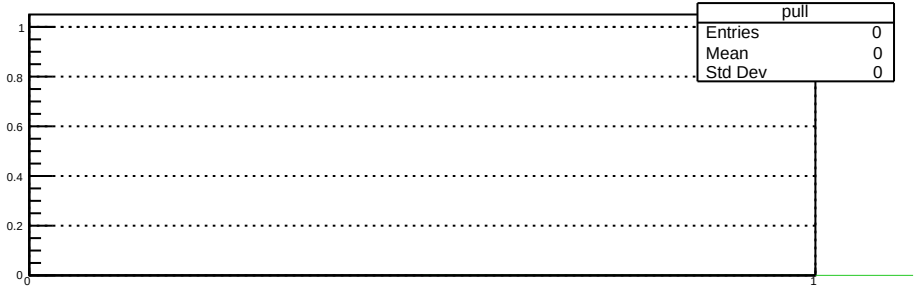

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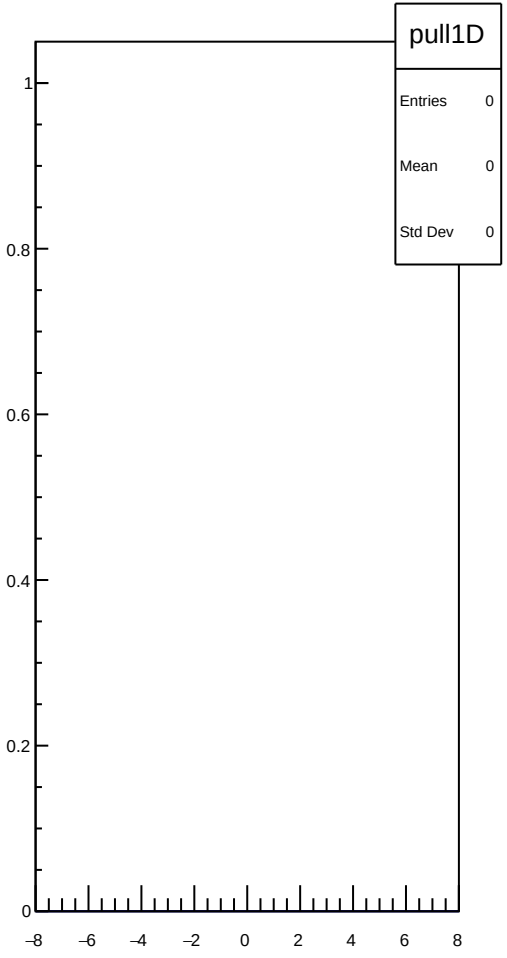

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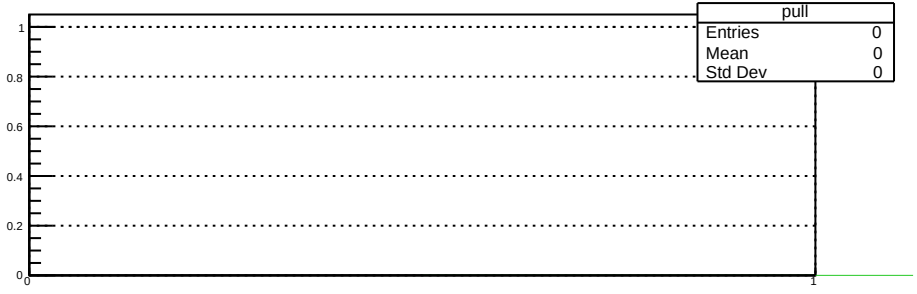

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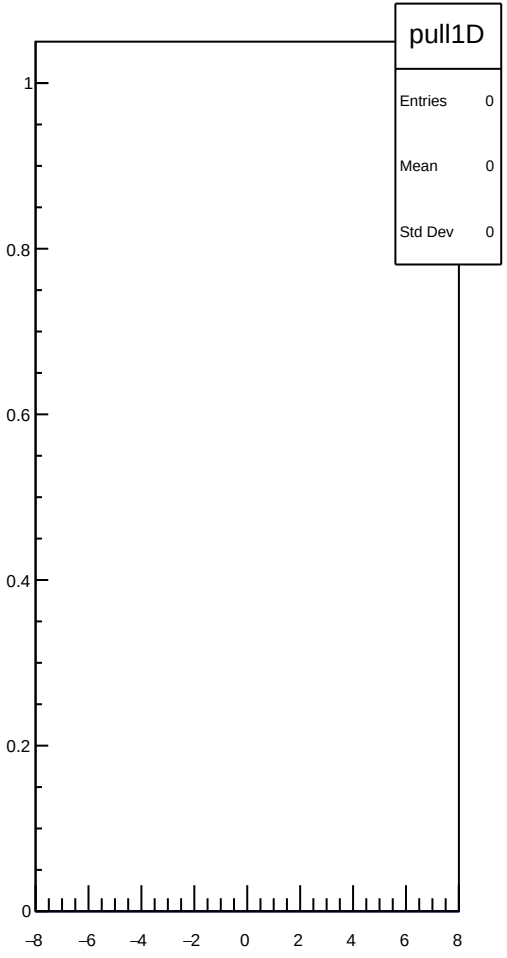

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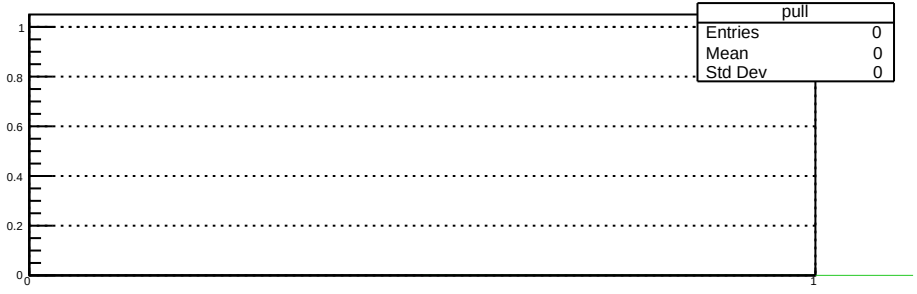

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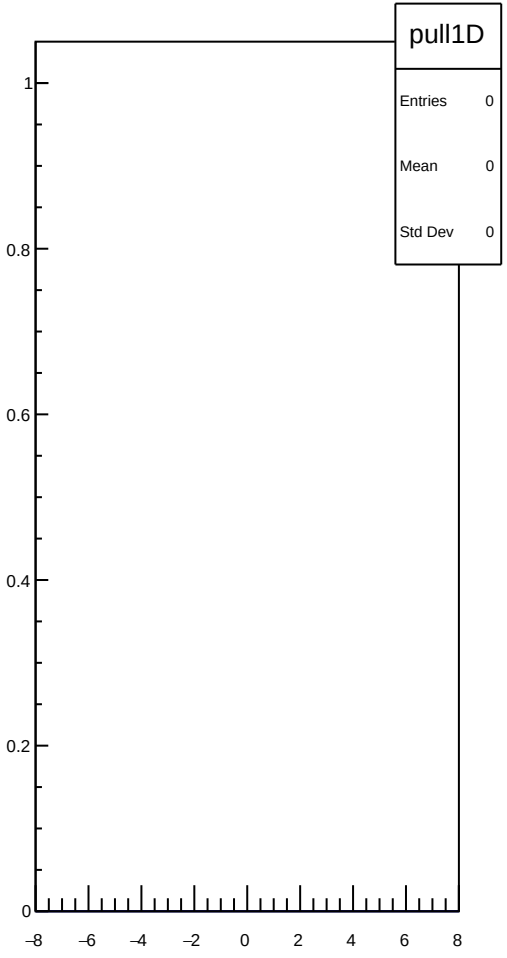

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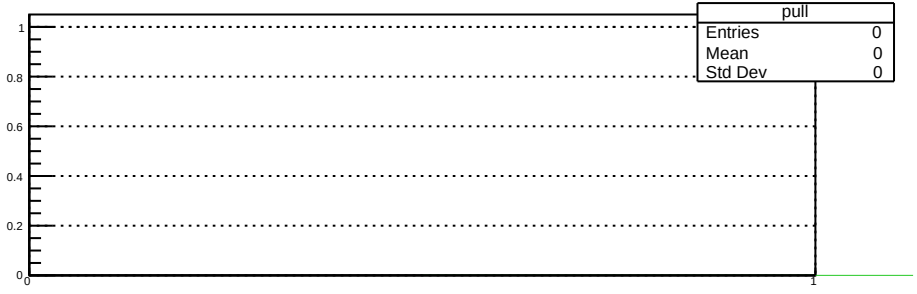

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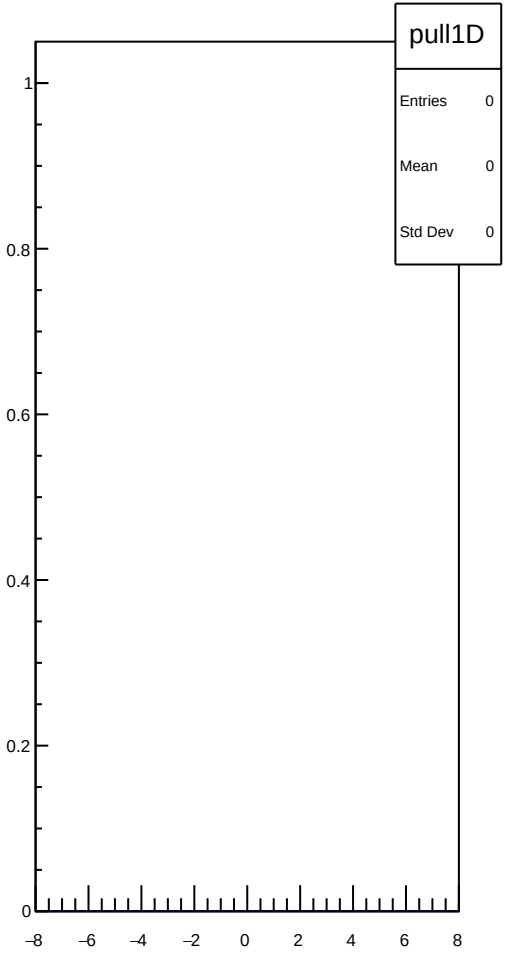

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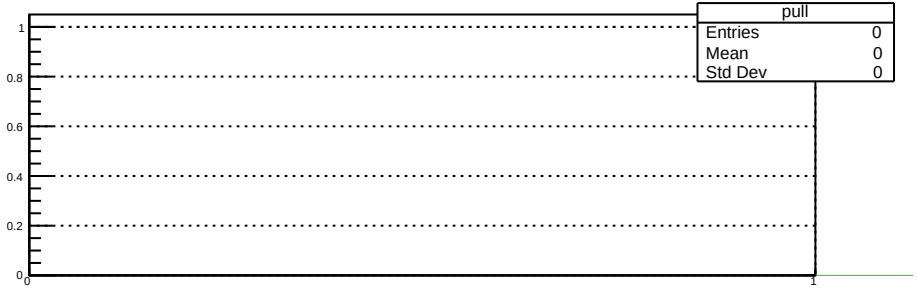

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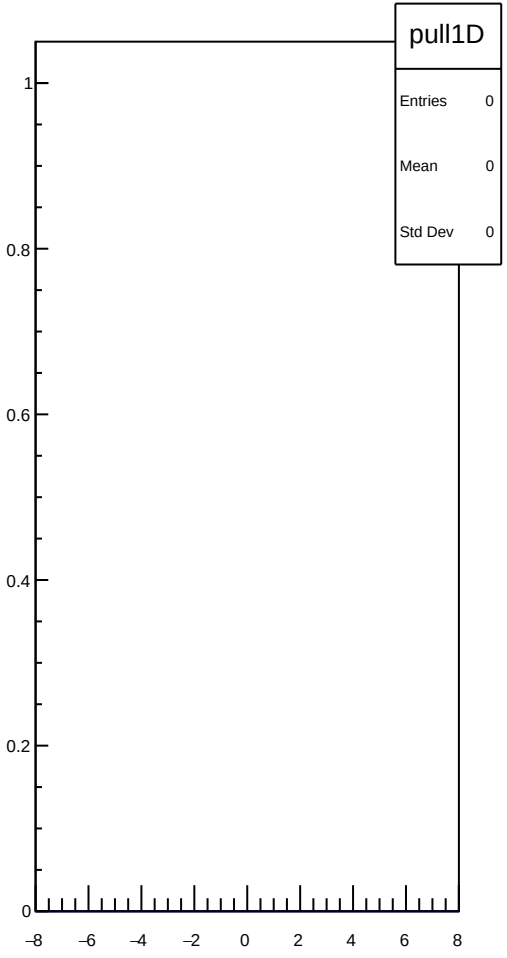

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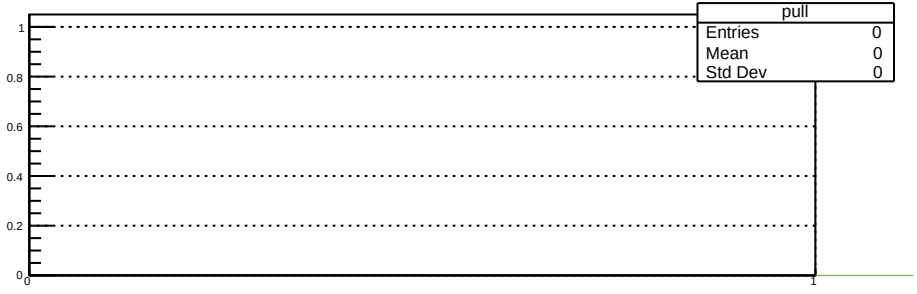

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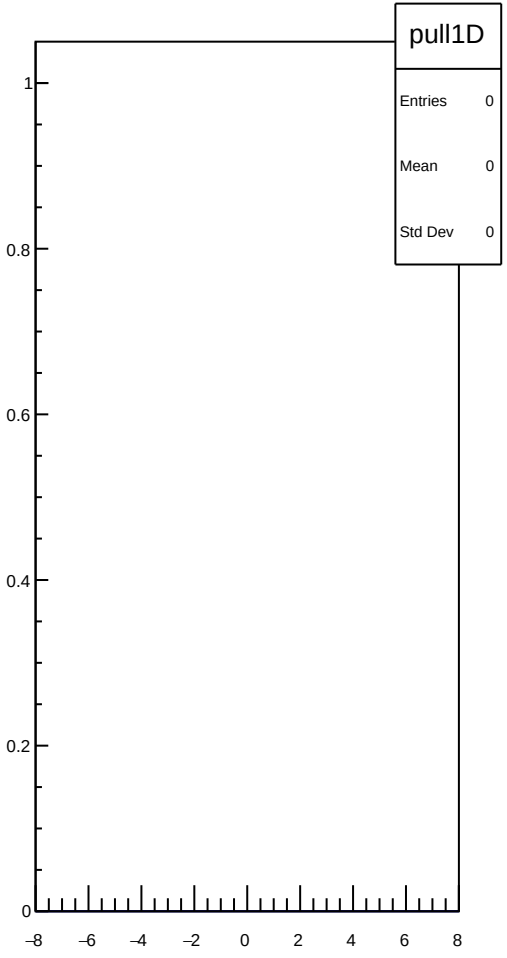

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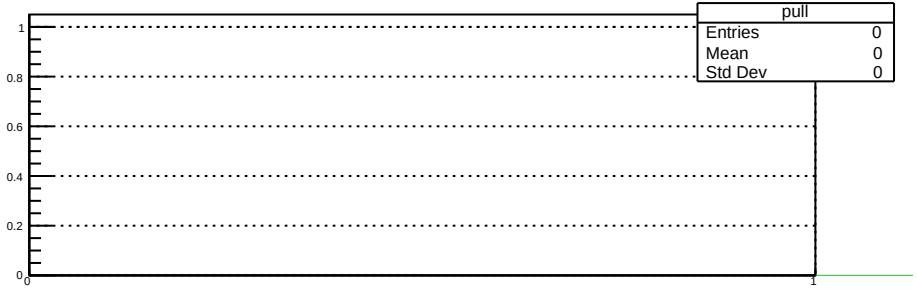

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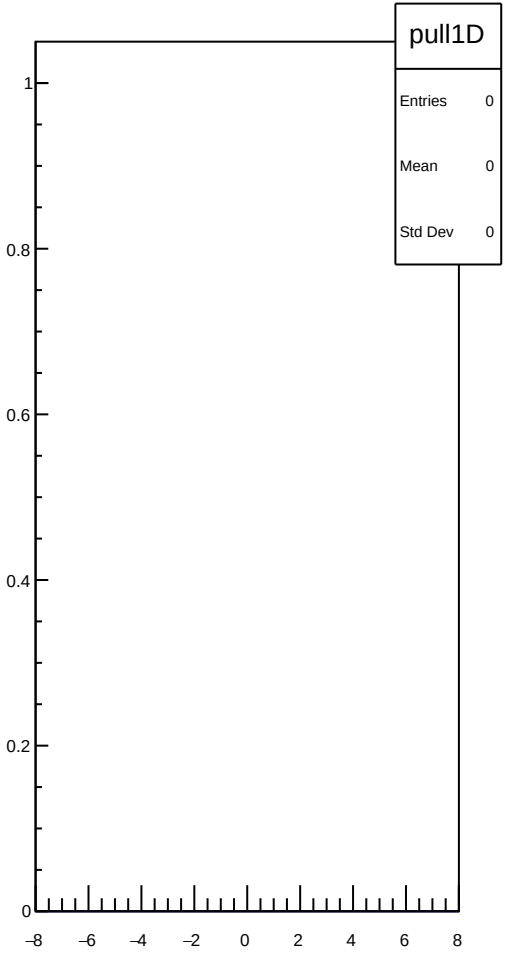

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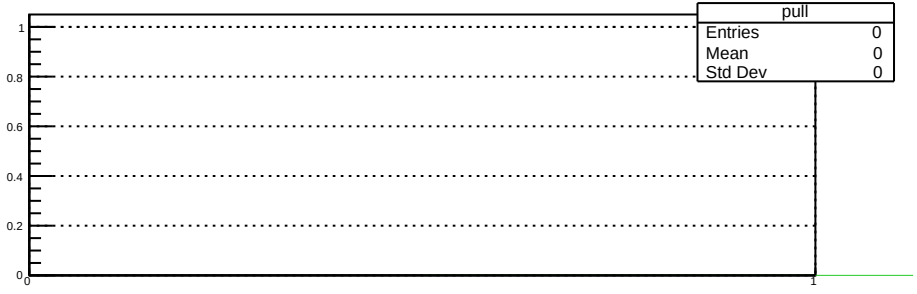

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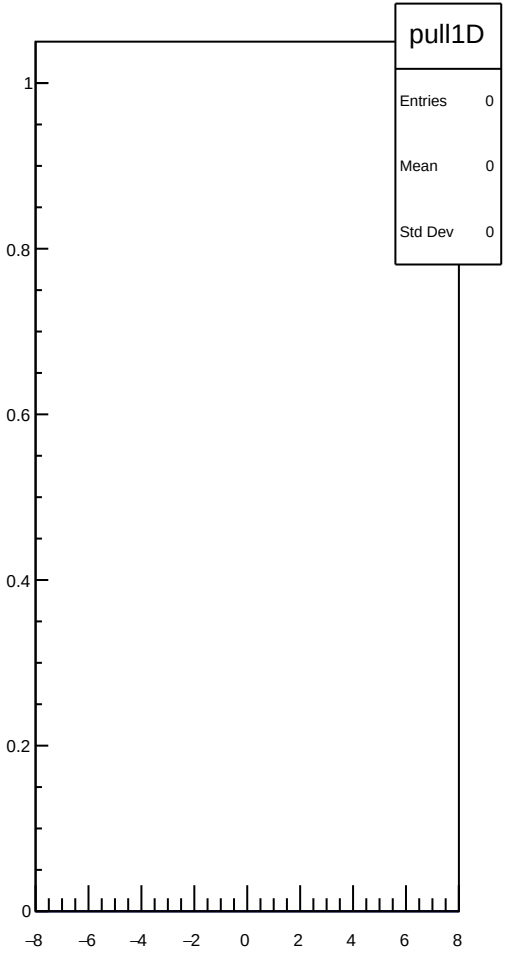

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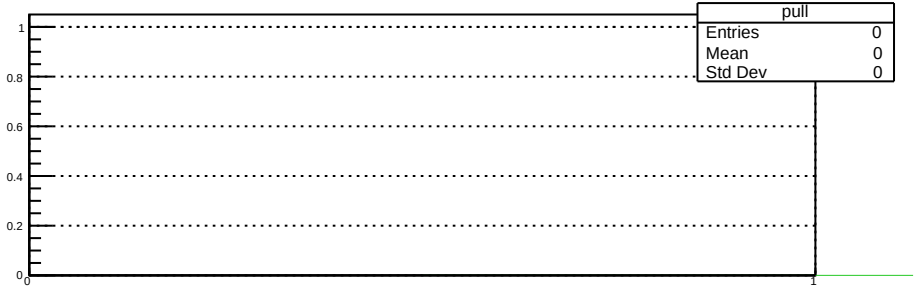

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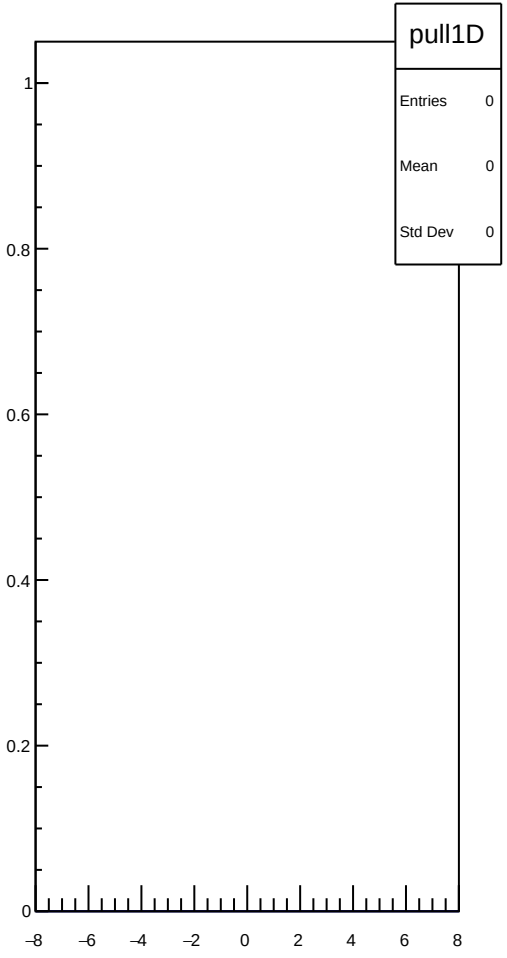

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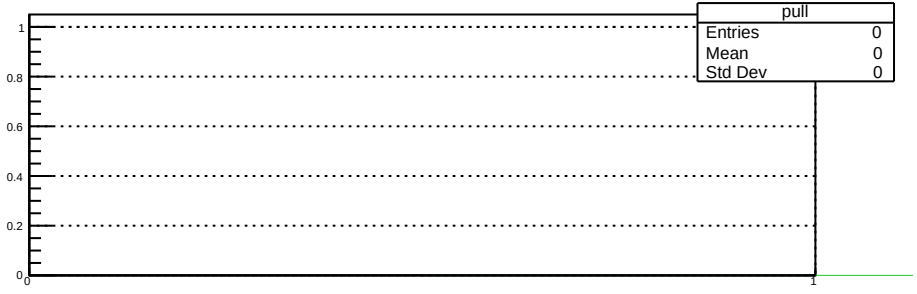

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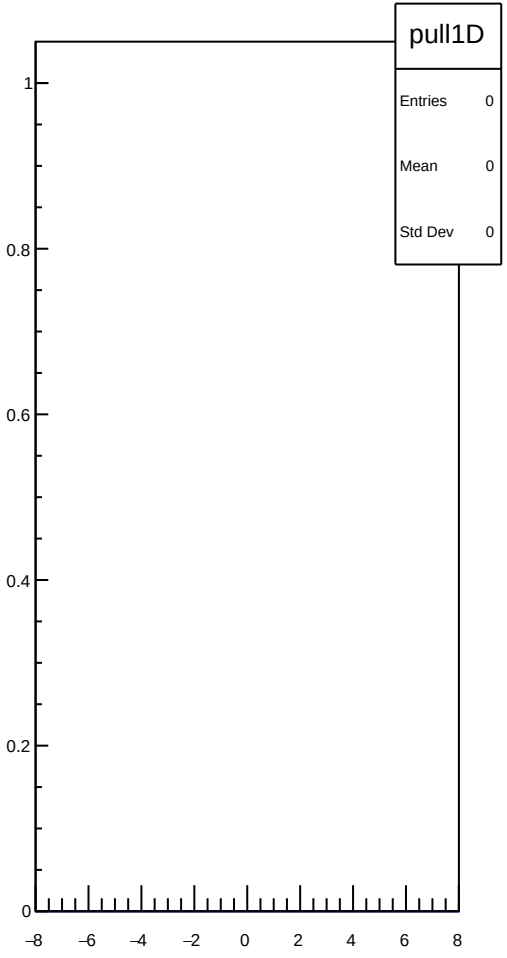

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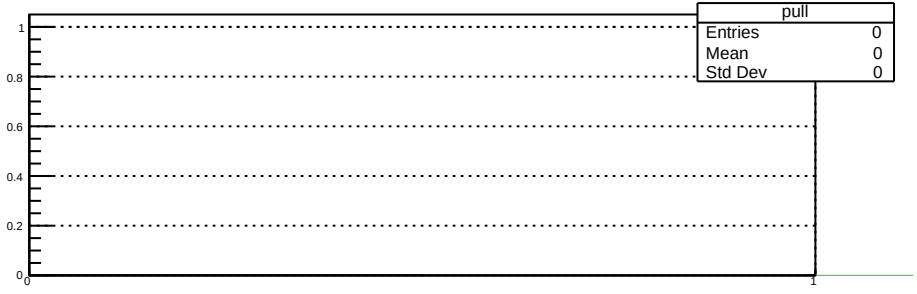

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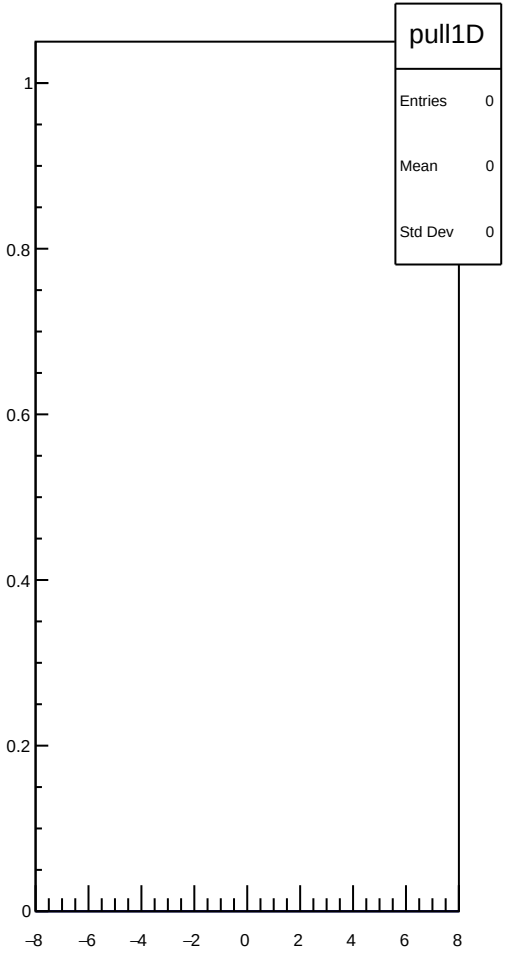

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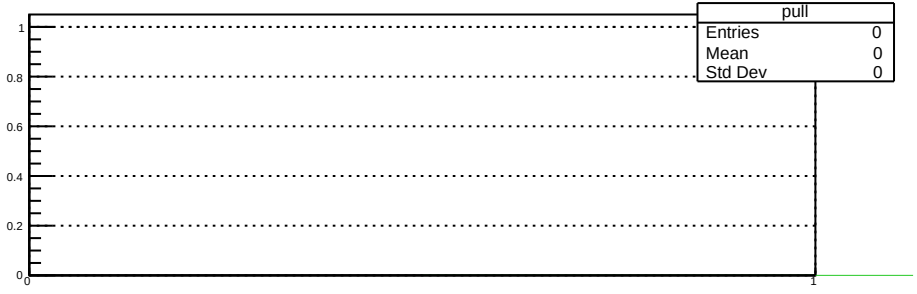

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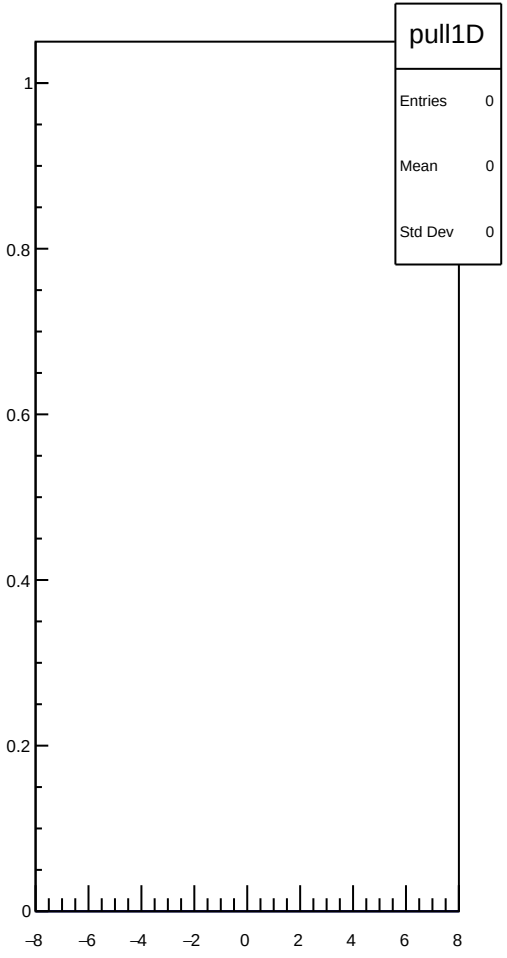

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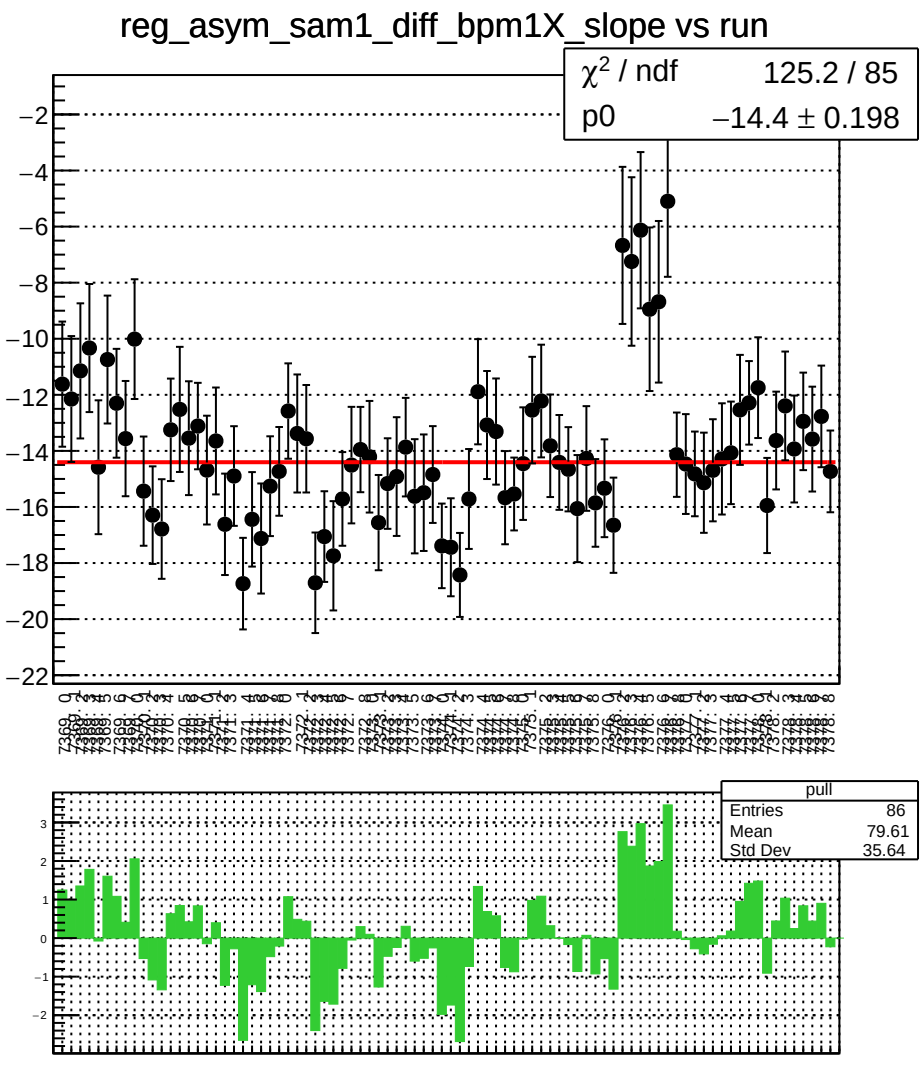

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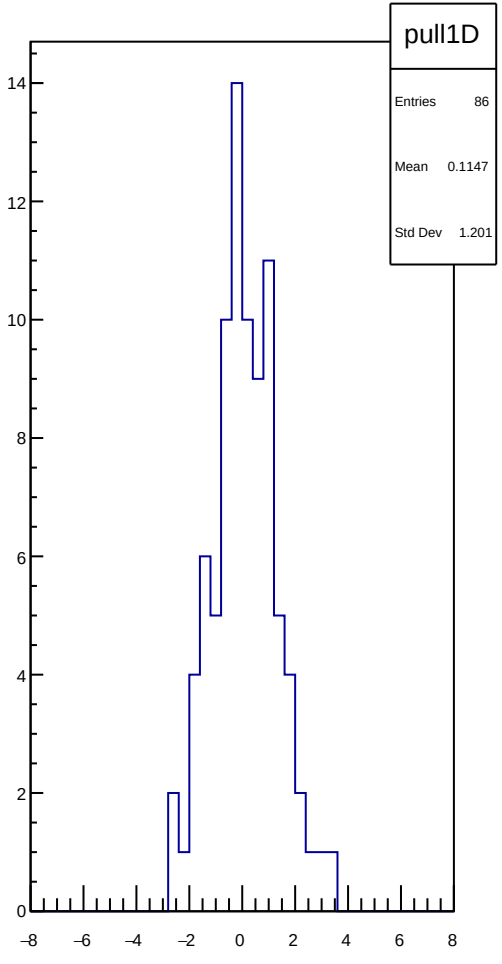

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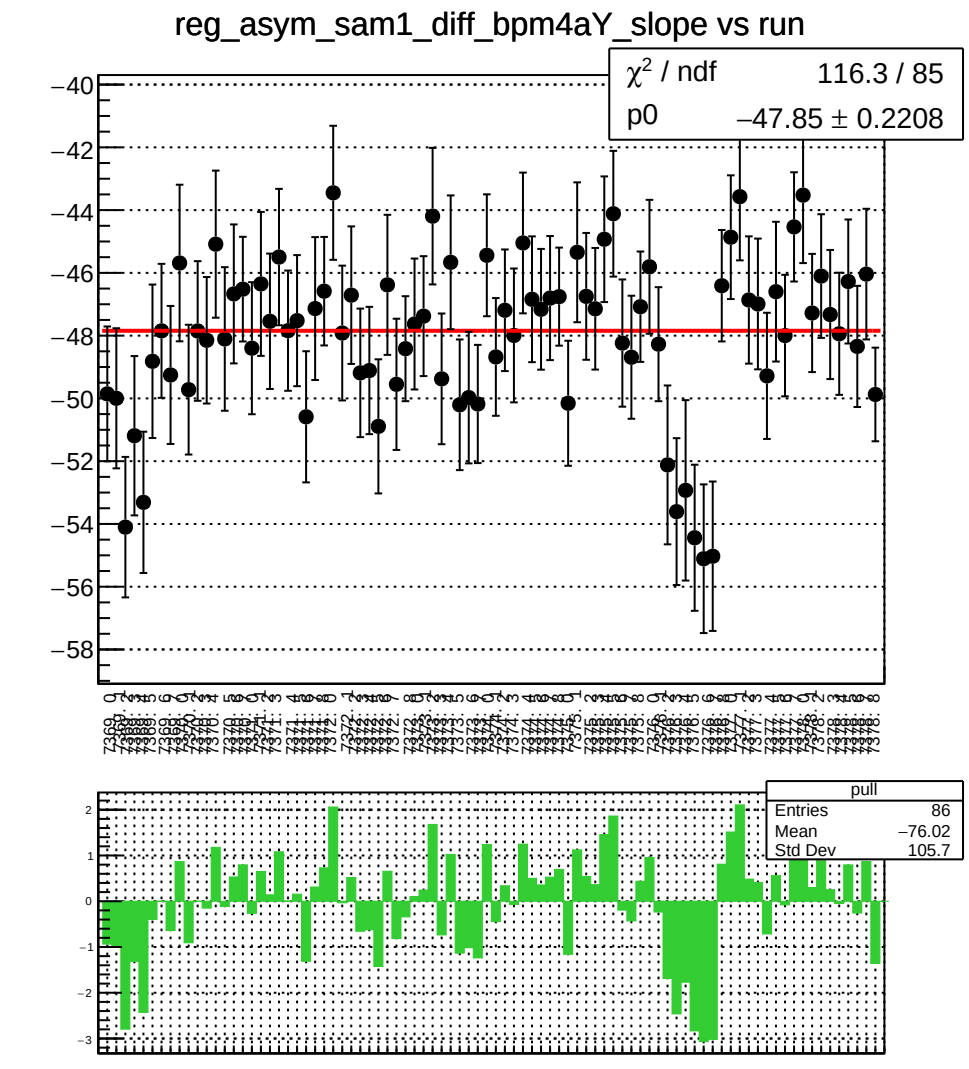

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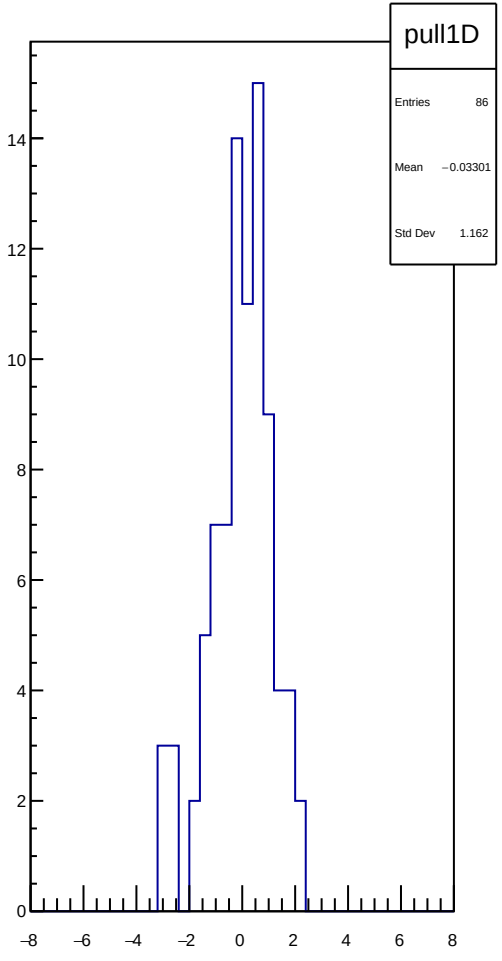

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Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
0
1

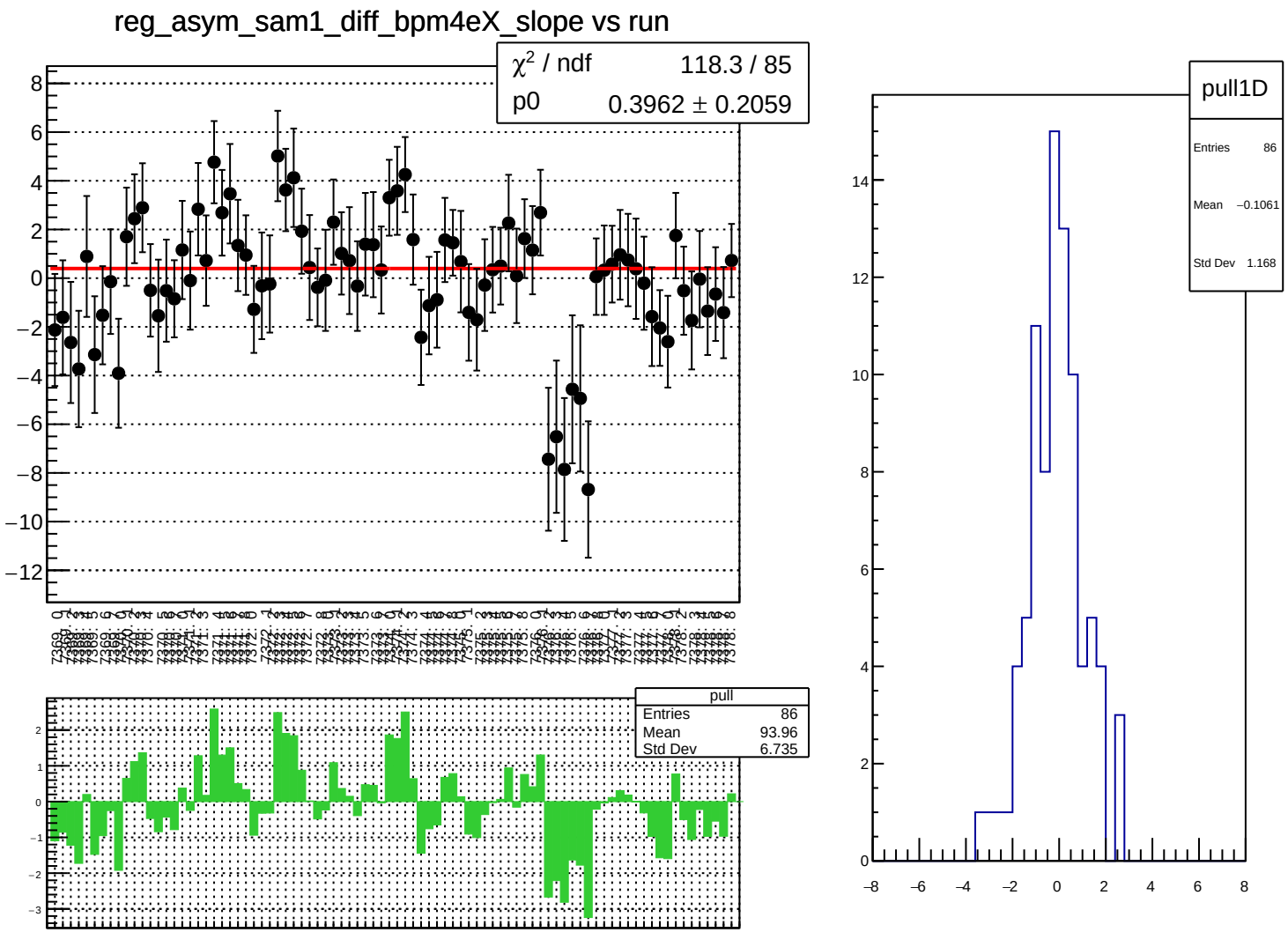

pull1D
Entries 0
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

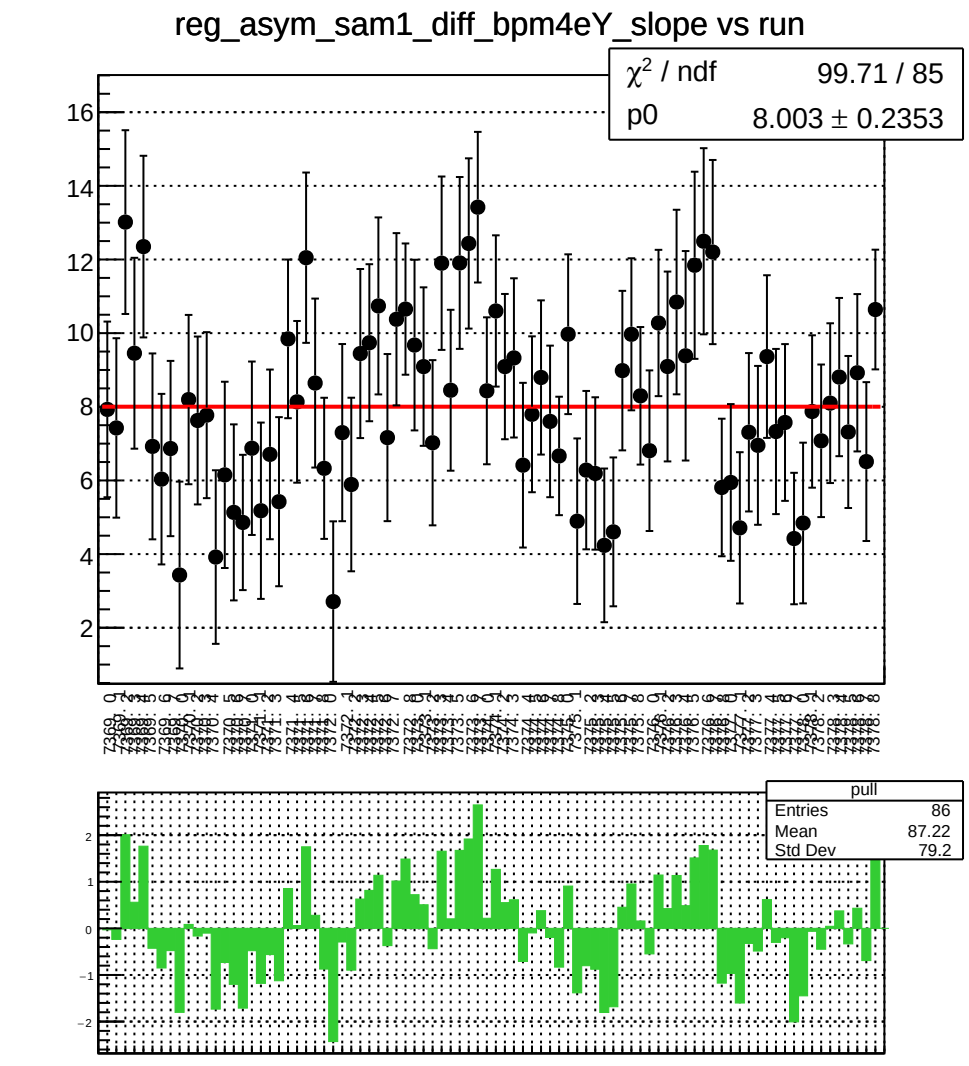

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 125.2 / 85
p0 −14.4 ± 0.198
pull
Entries 86
Mean 79.61
Std Dev 35.64

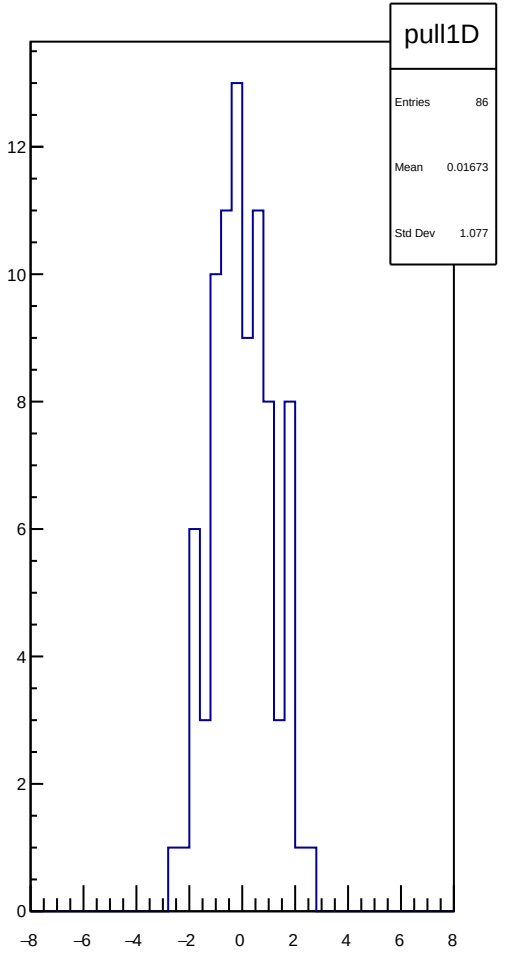

pull1D
Entries 86
Mean 0.1147
Std Dev 1.201

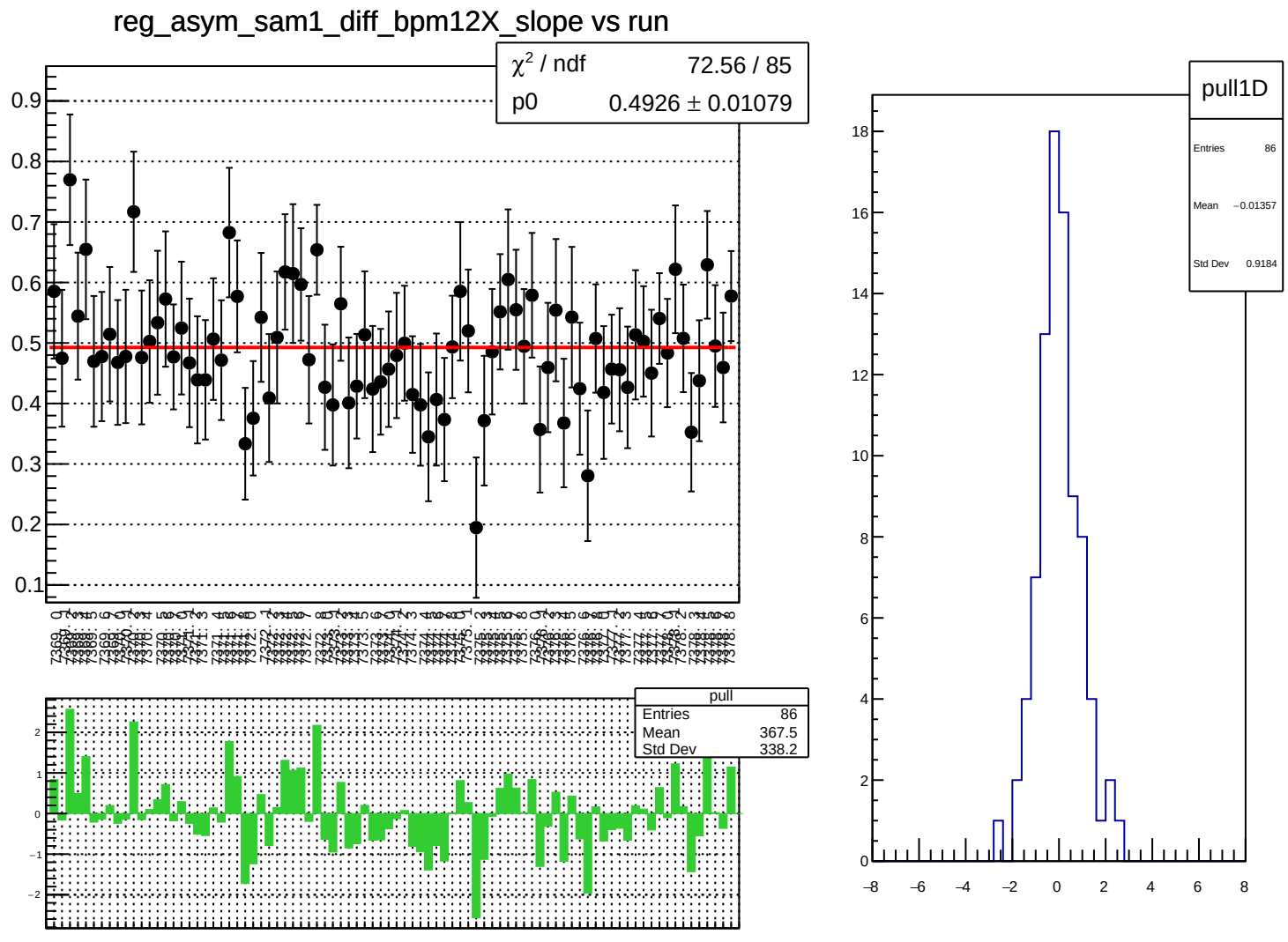

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 116.3 / 85
p0 −47.85 ± 0.2208
pull
Entries 86
Mean −76.02
Std Dev 105.7

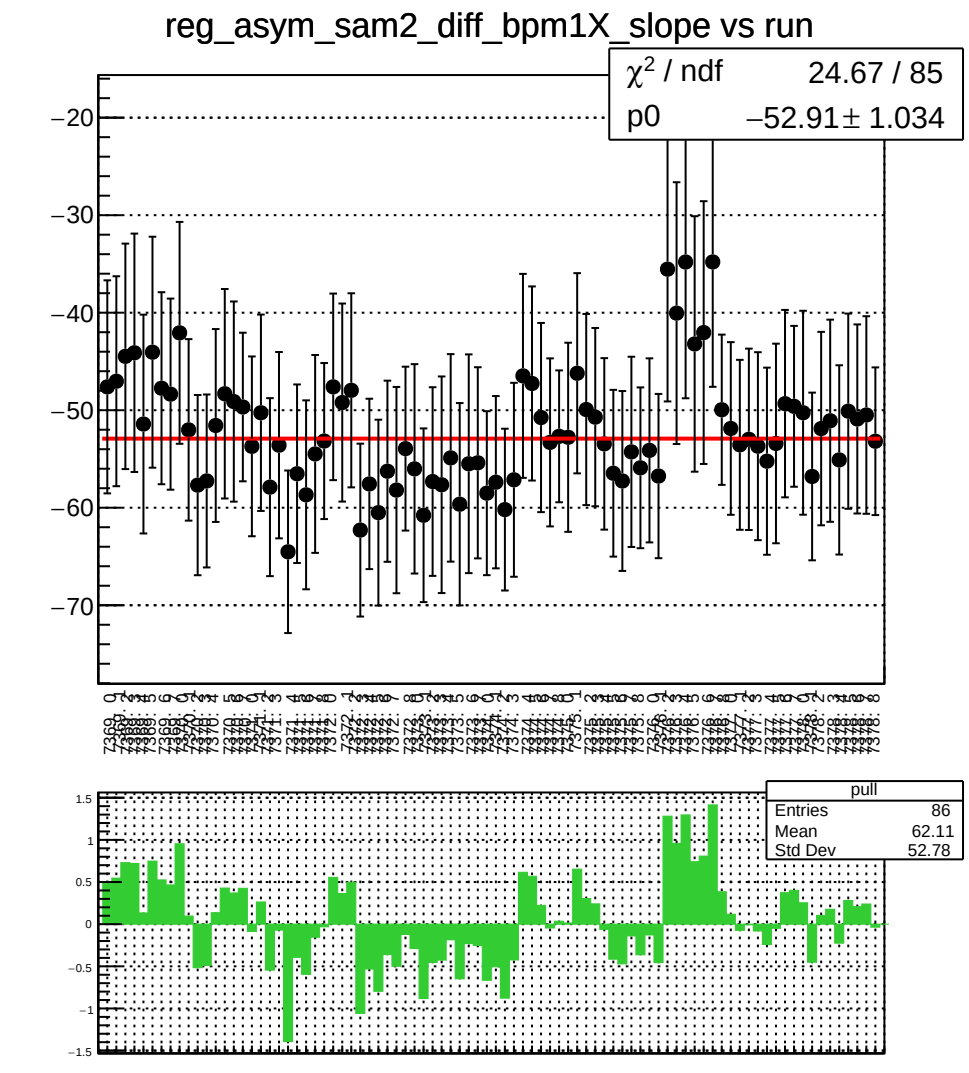

pull1D
Entries 86
Mean −0.03301
Std Dev 1.162

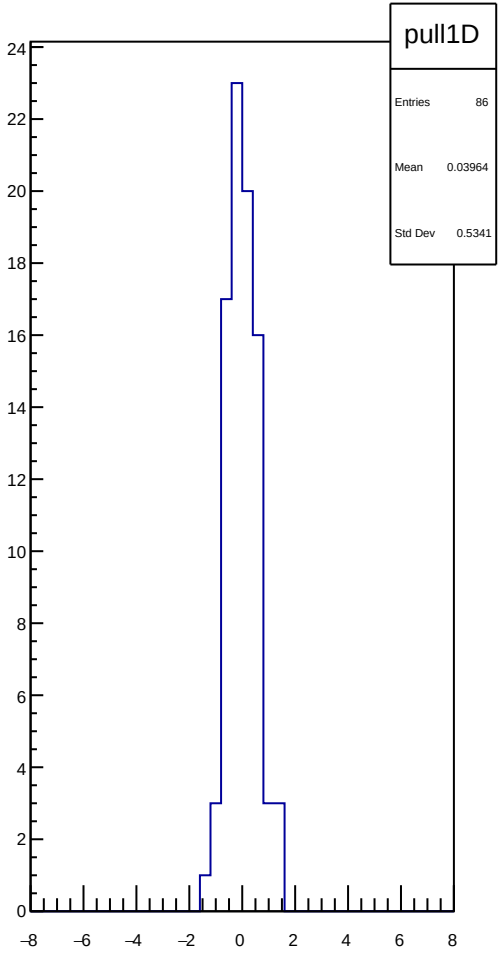

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 118.3 / 85
p0 0.3962 ± 0.2059
pull
Entries 86
Mean 93.96
Std Dev 6.735
pull1D
Entries 86
Mean −0.1061
Std Dev 1.168

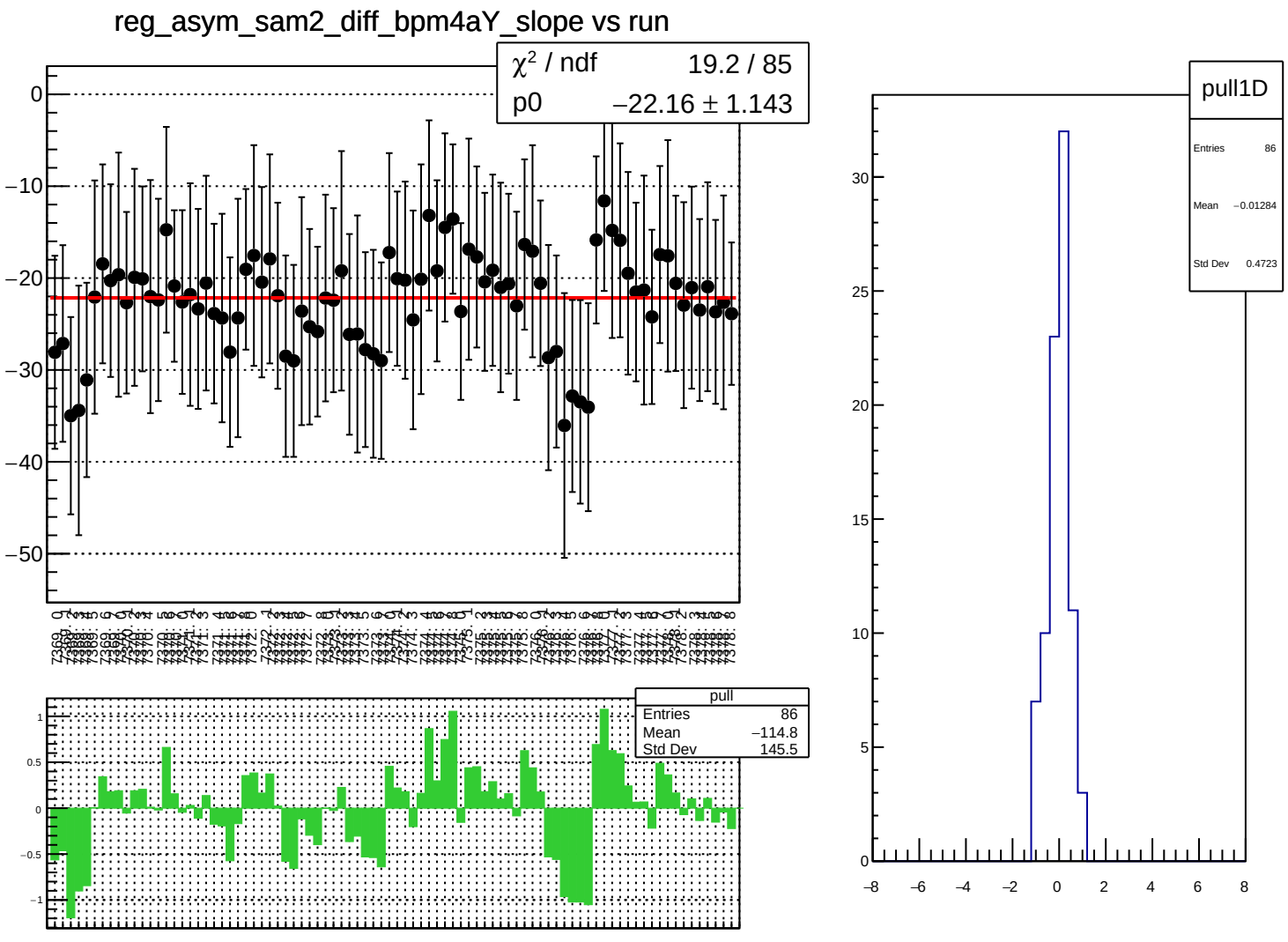

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 99.71 / 85
p0 8.003 ± 0.2353
pull
Entries 86
Mean 87.22
Std Dev 79.2

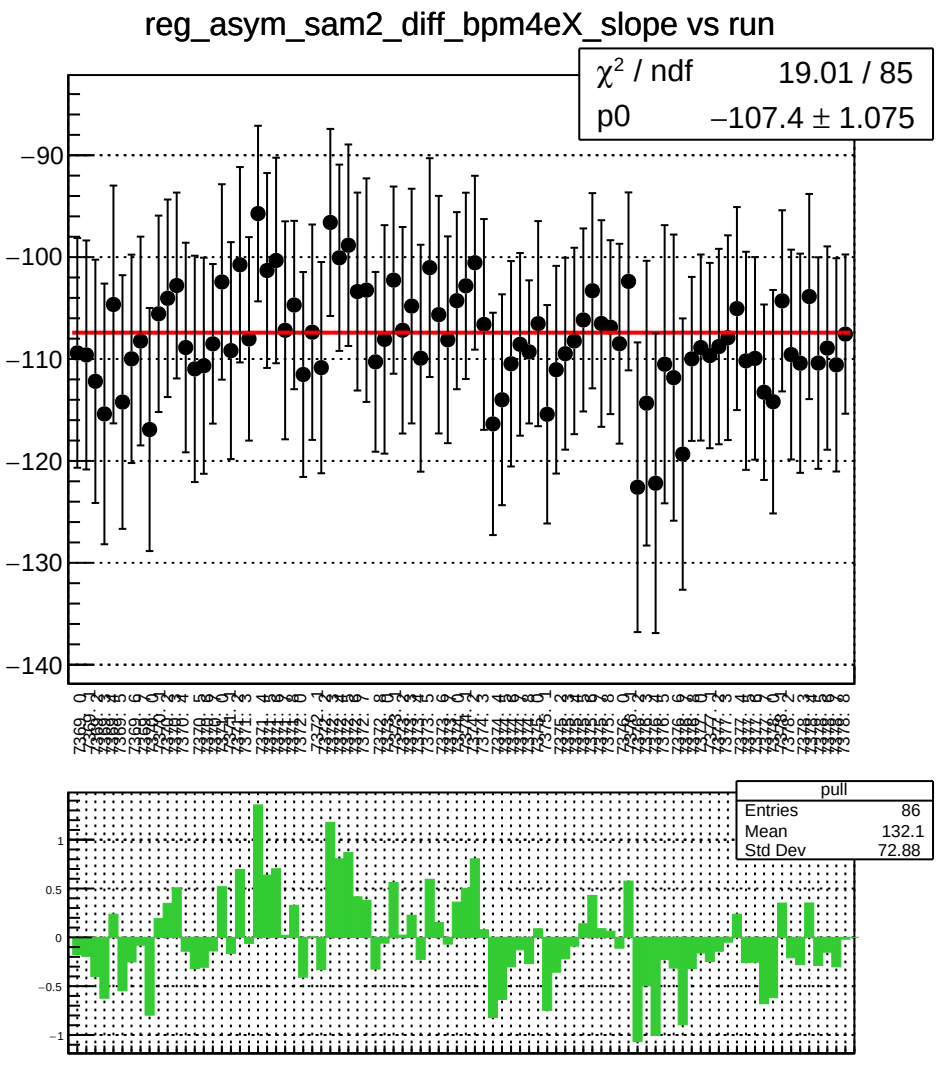

pull1D
Entries 86
Mean 0.01673
Std Dev 1.077

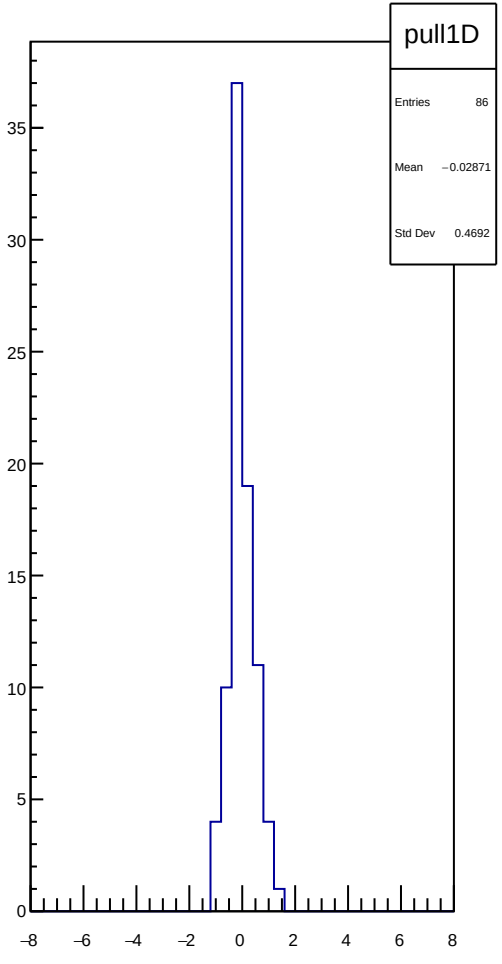

reg_asym_sam1_diff_bpm12X_slope vs run
$\chi^2$ / ndf 72.56 / 85
p0 0.4926 ± 0.01079
pull
Entries 86
Mean 367.5
Std Dev 338.2
pull1D
Entries 86
Mean −0.01357
Std Dev 0.9184

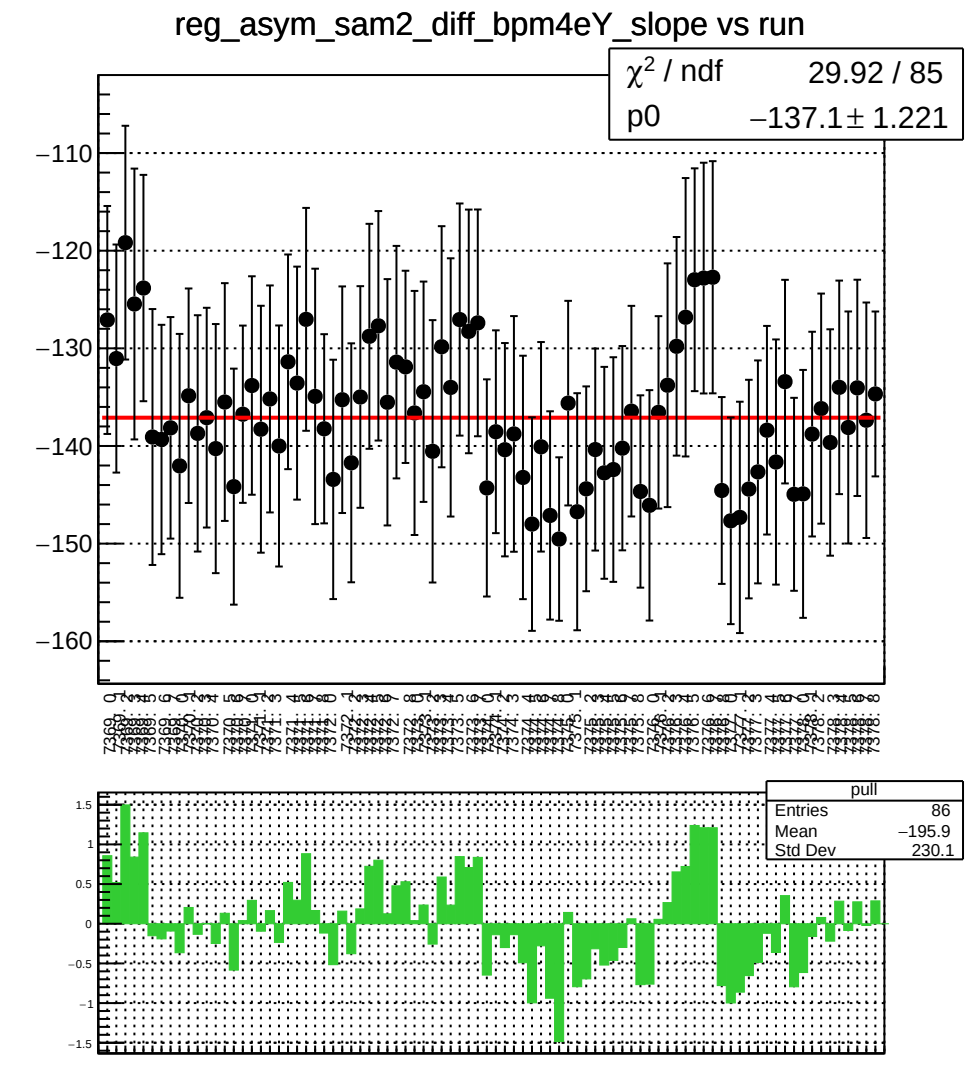

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 24.67 / 85
p0 −52.91 ± 1.034
pull
Entries 86
Mean 62.11
Std Dev 52.78

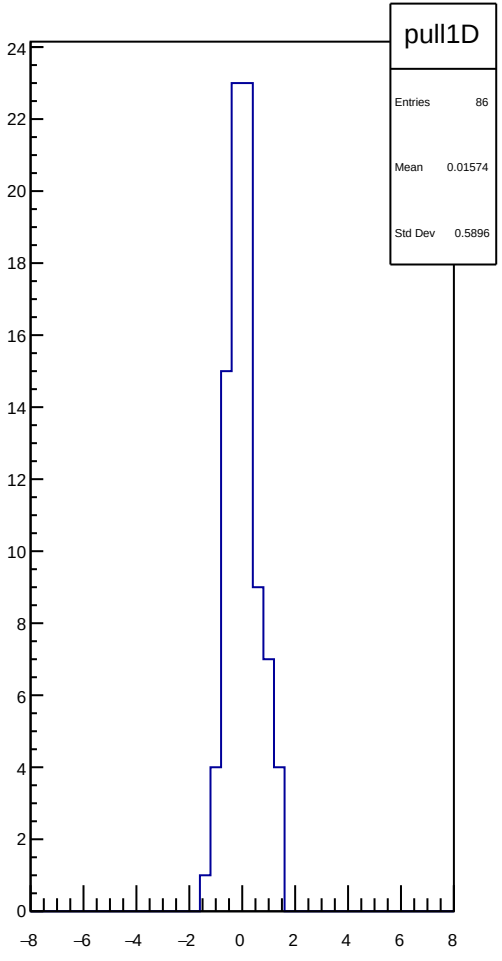

pull1D
Entries 86
Mean 0.03964
Std Dev 0.5341

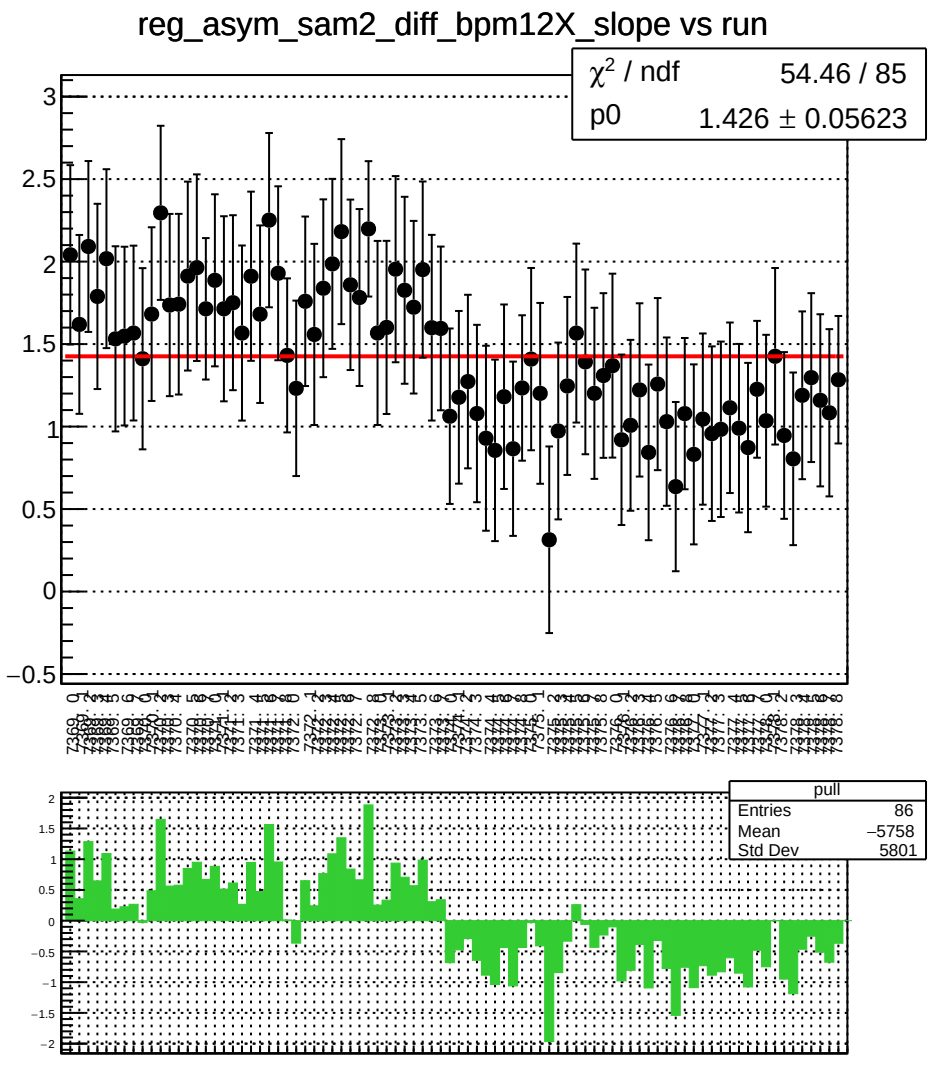

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 19.2 / 85
p0 −22.16 ± 1.143
pull
Entries 86
Mean −114.8
Std Dev 145.5
pull1D
Entries 86
Mean −0.01284
Std Dev 0.4723

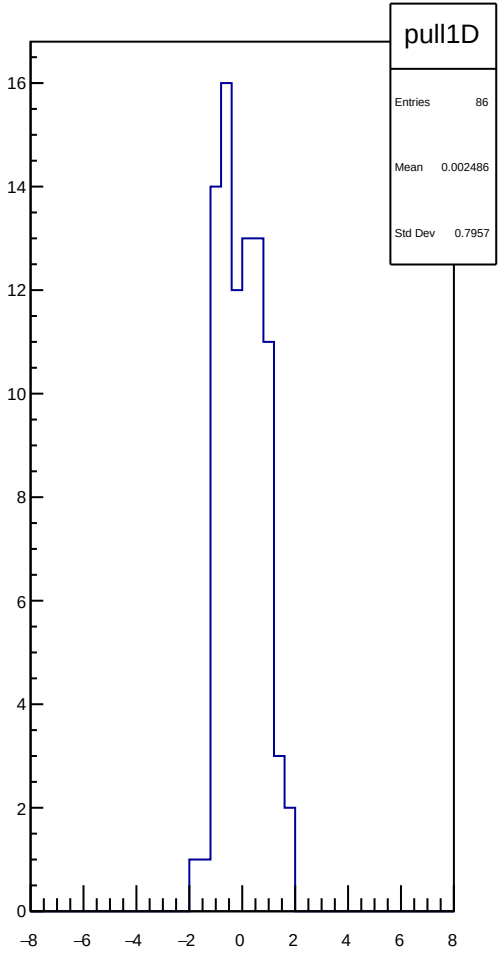

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 19.01 / 85
p0 −107.4 ± 1.075
−90
−100
−110
−120
−130
−140
pull
Entries 86
Mean 132.1
Std Dev 72.88
1
0.5
0
−0.5
−1

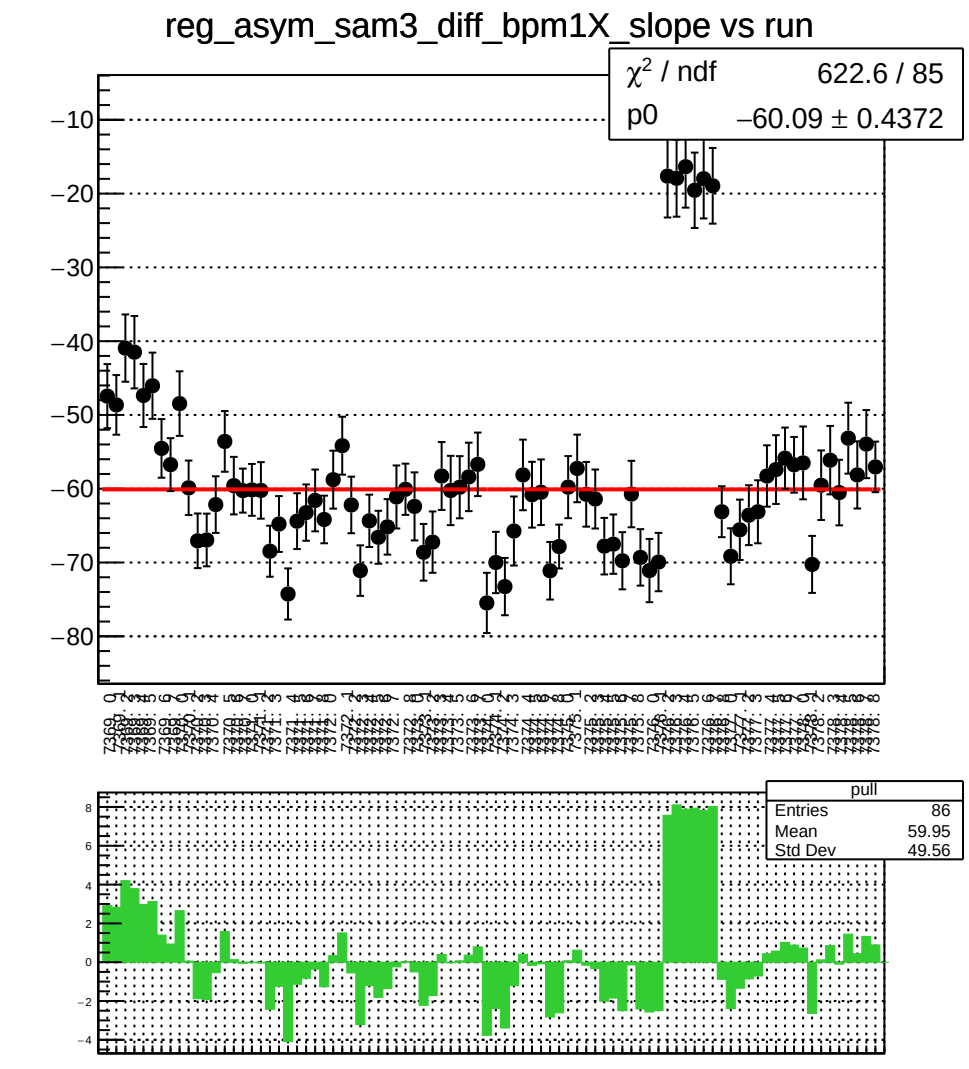

pull1D
Entries 86
Mean −0.02871
Std Dev 0.4692
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

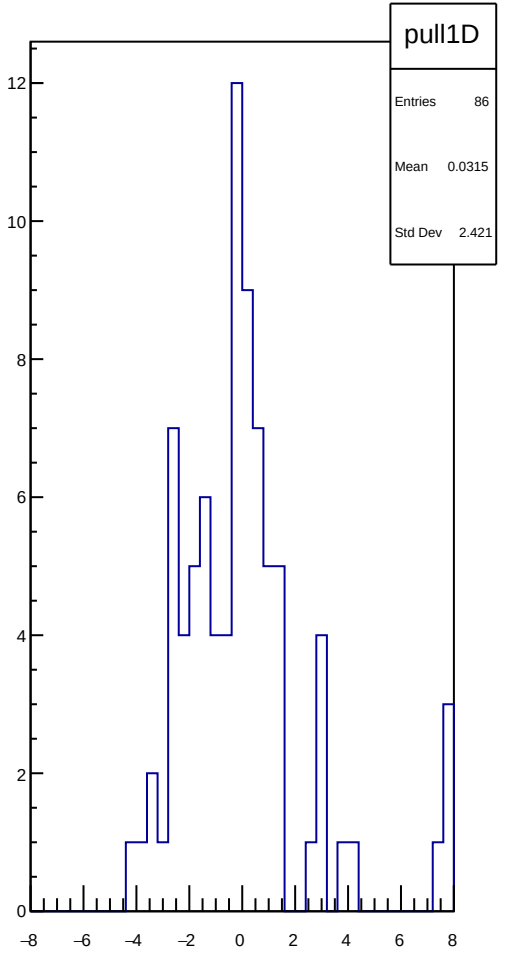

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 29.92 / 85
p0 −137.1 ± 1.221
pull
Entries 86
Mean −195.9
Std Dev 230.1

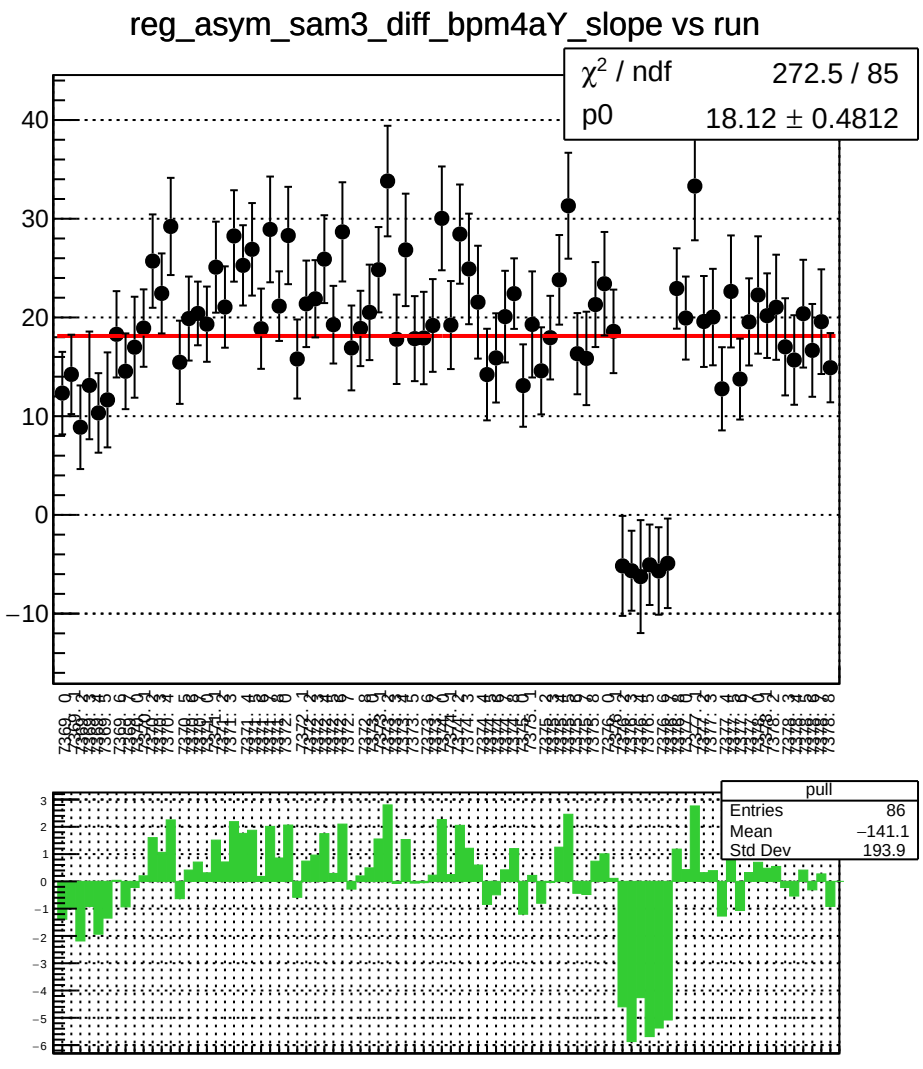

pull1D
Entries 86
Mean 0.01574
Std Dev 0.5896

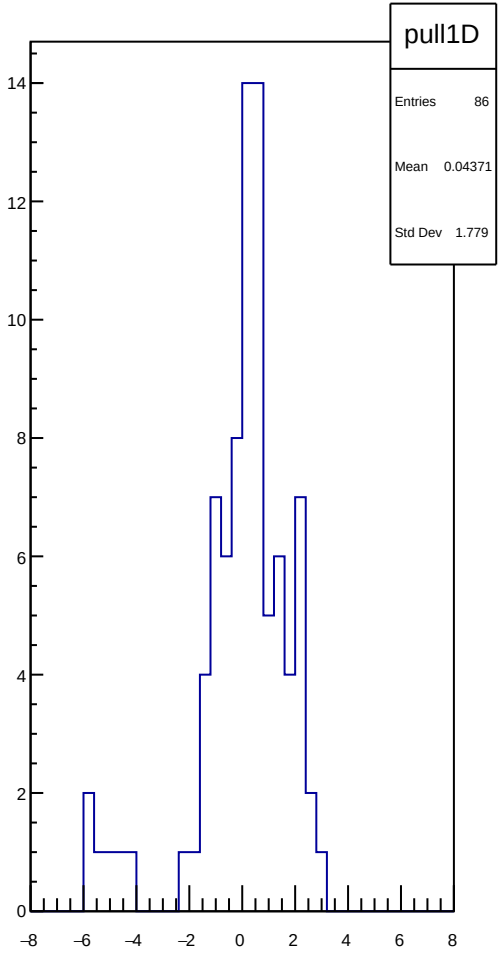

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 54.46 / 85
p0 1.426 ± 0.05623
pull
Entries 86
Mean −5758
Std Dev 5801

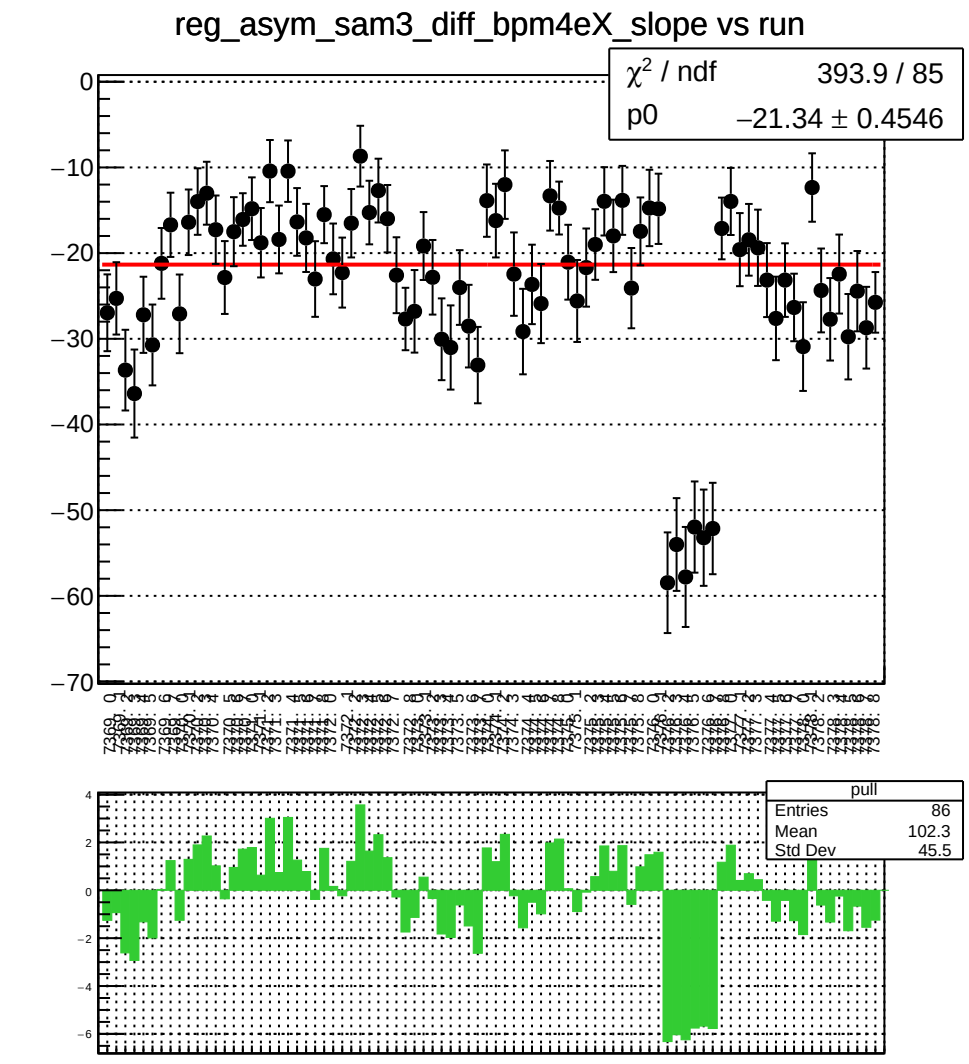

pull1D
Entries 86
Mean 0.002486
Std Dev 0.7957

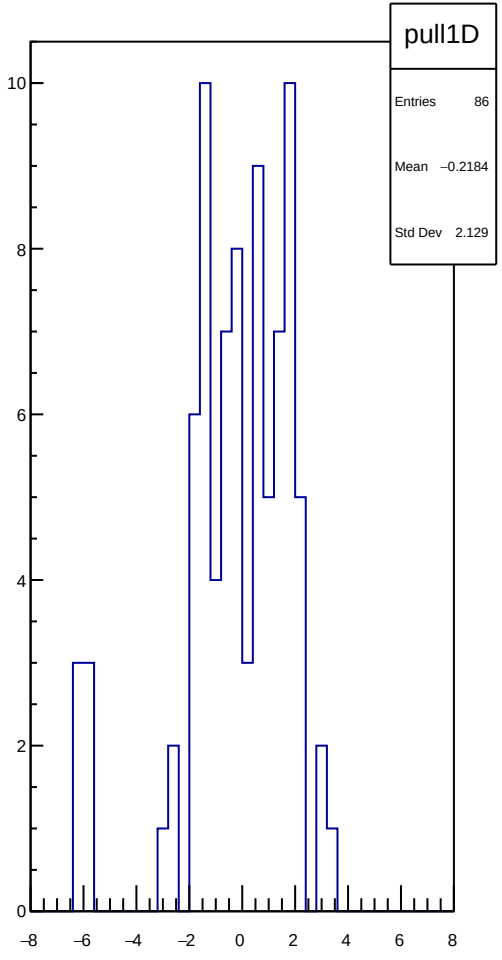

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 622.6 / 85
p0 −60.09 ± 0.4372
pull
Entries 86
Mean 59.95
Std Dev 49.56

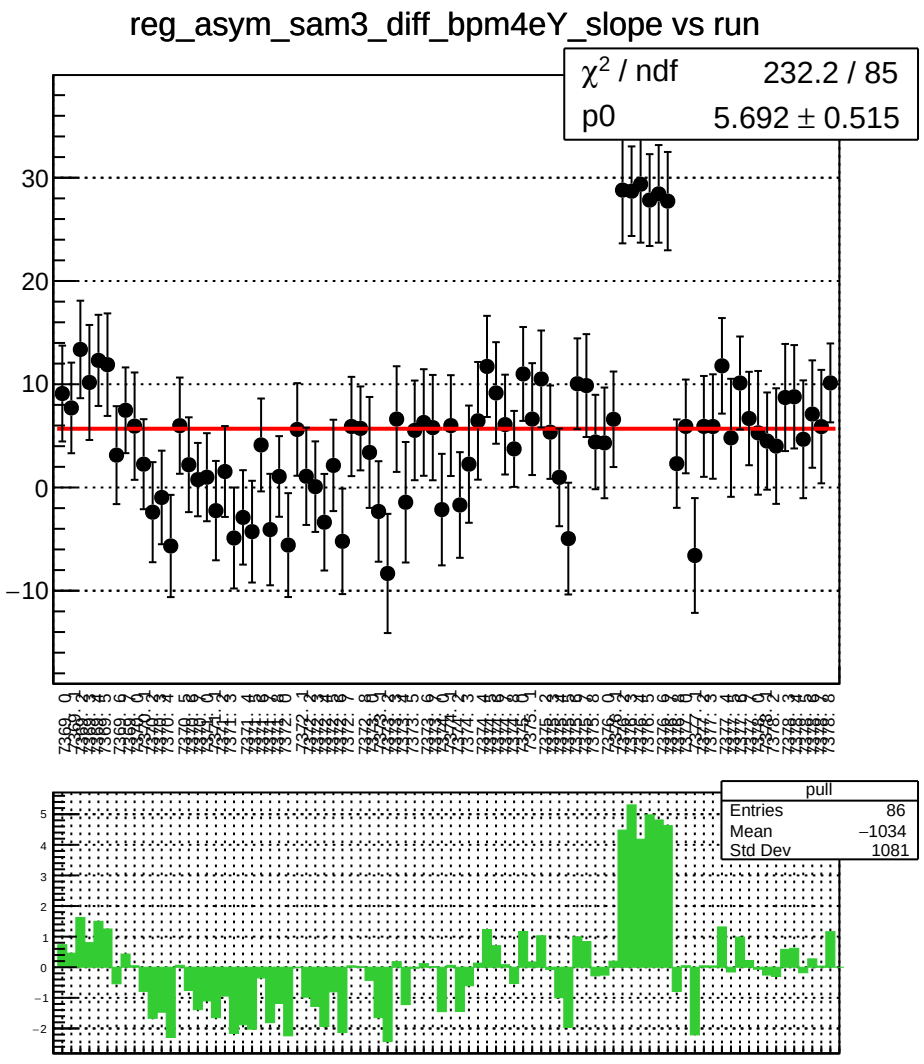

pull1D
Entries 86
Mean 0.0315
Std Dev 2.421

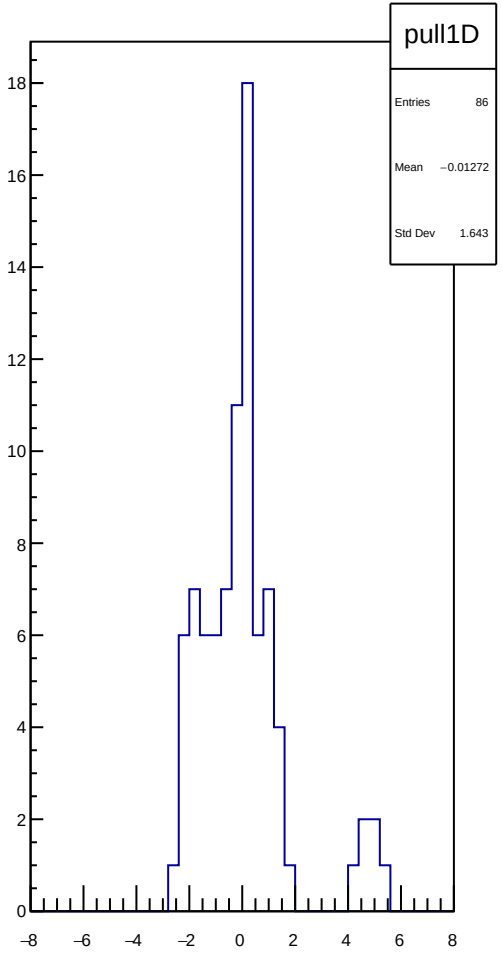

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 272.5 / 85
p0 18.12 ± 0.4812
pull
Entries 86
Mean −141.1
Std Dev 193.9

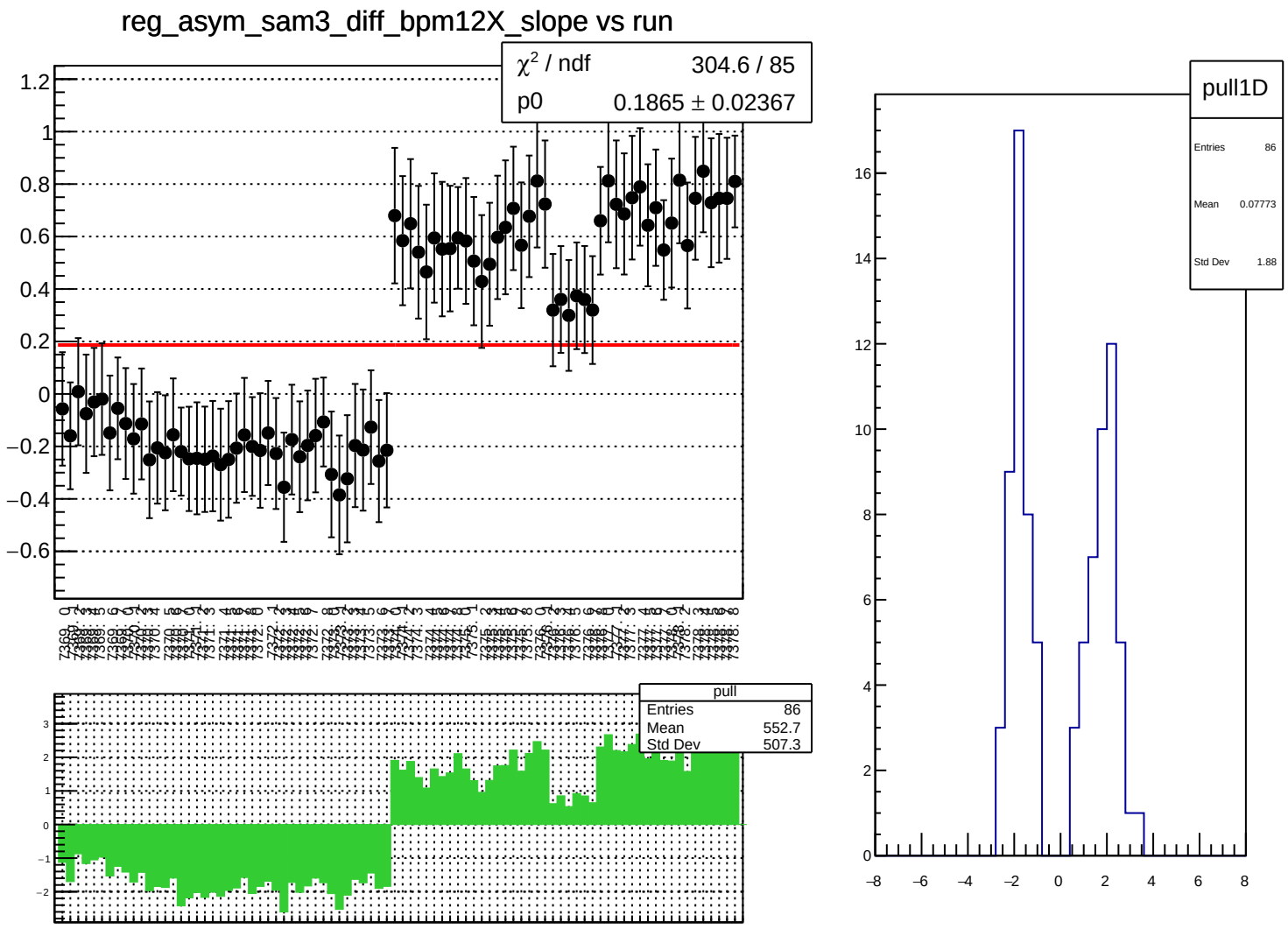

pull1D
Entries 86
Mean 0.04371
Std Dev 1.779

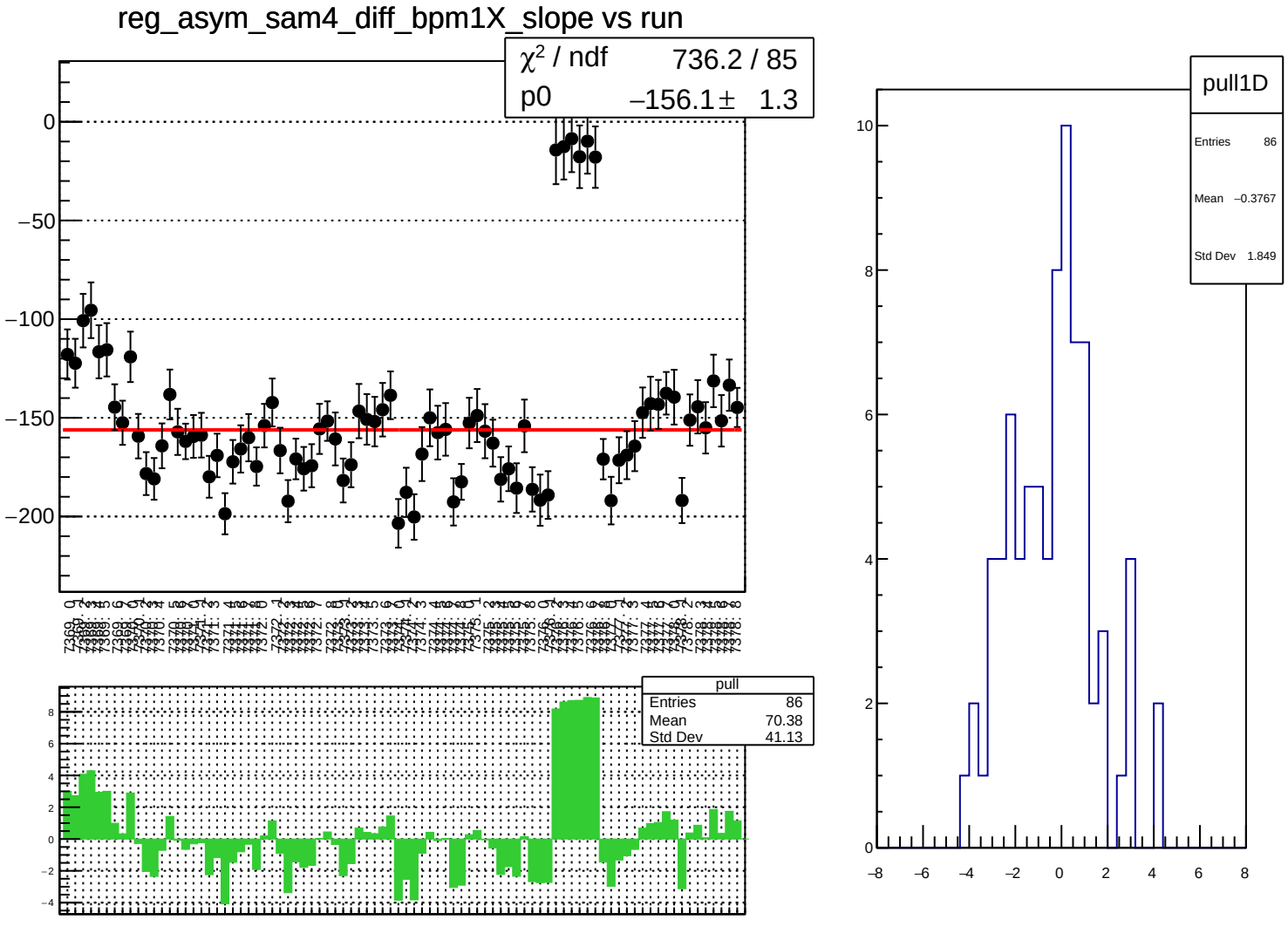

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 393.9 / 85
p0 −21.34 ± 0.4546
pull
Entries 86
Mean 102.3
Std Dev 45.5

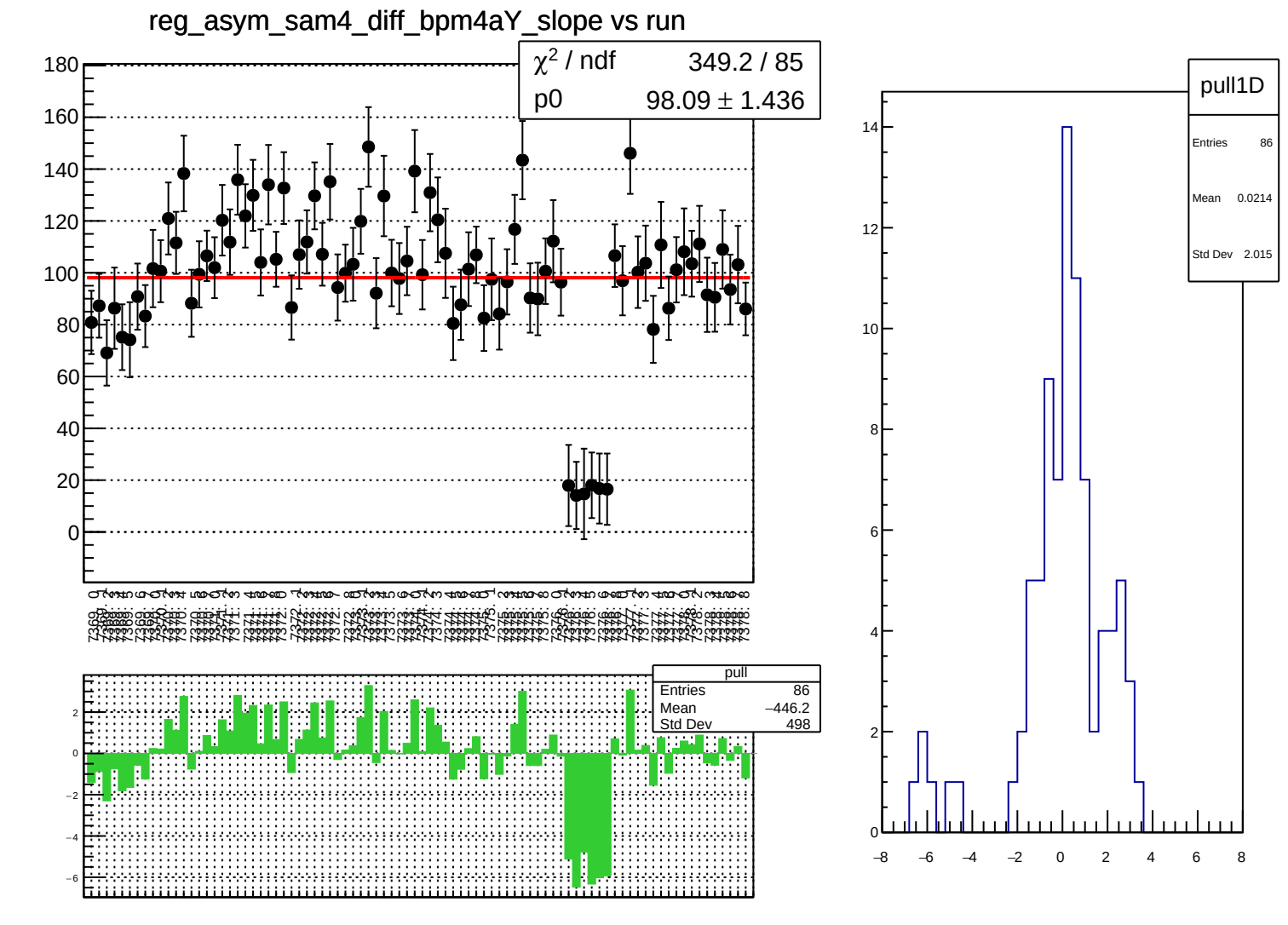

pull1D
Entries 86
Mean −0.2184
Std Dev 2.129

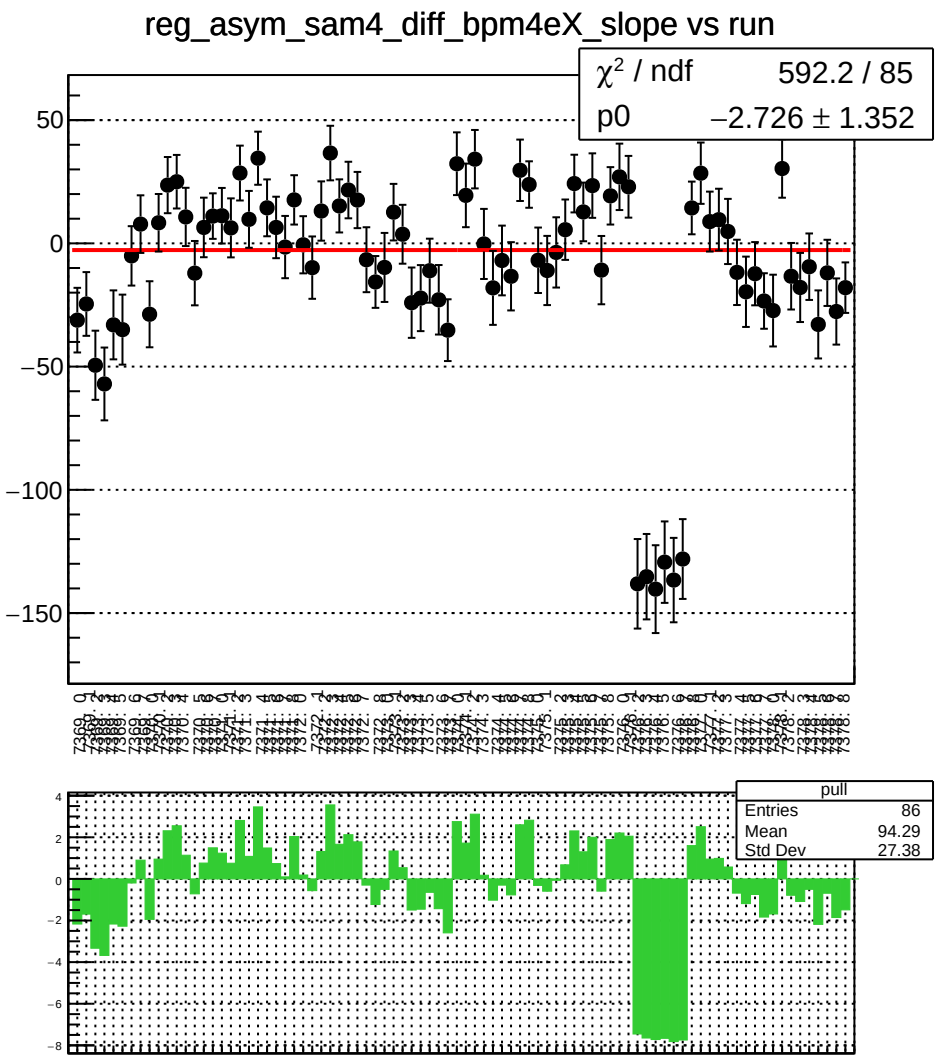

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 232.2 / 85
p0 5.692 ± 0.515
pull
Entries 86
Mean −1034
Std Dev 1081

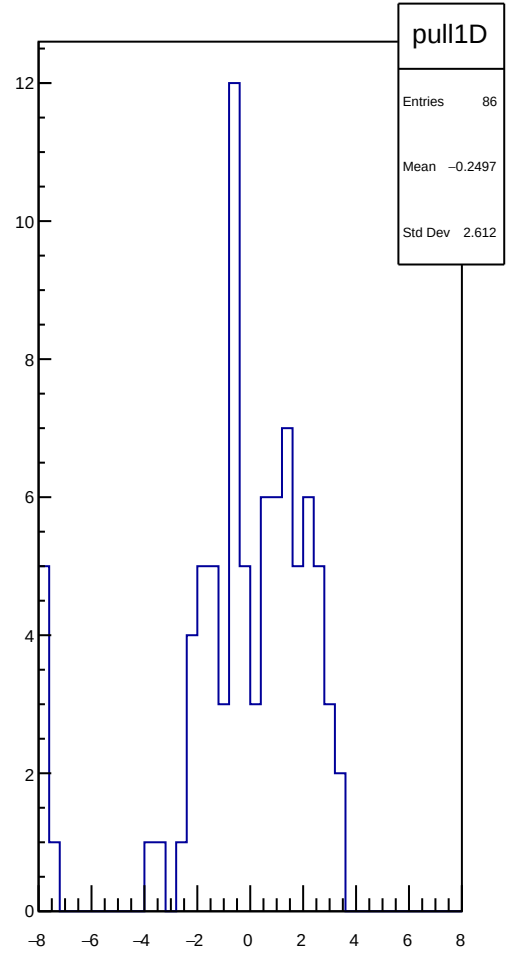

pull1D
Entries 86
Mean −0.01272
Std Dev 1.643

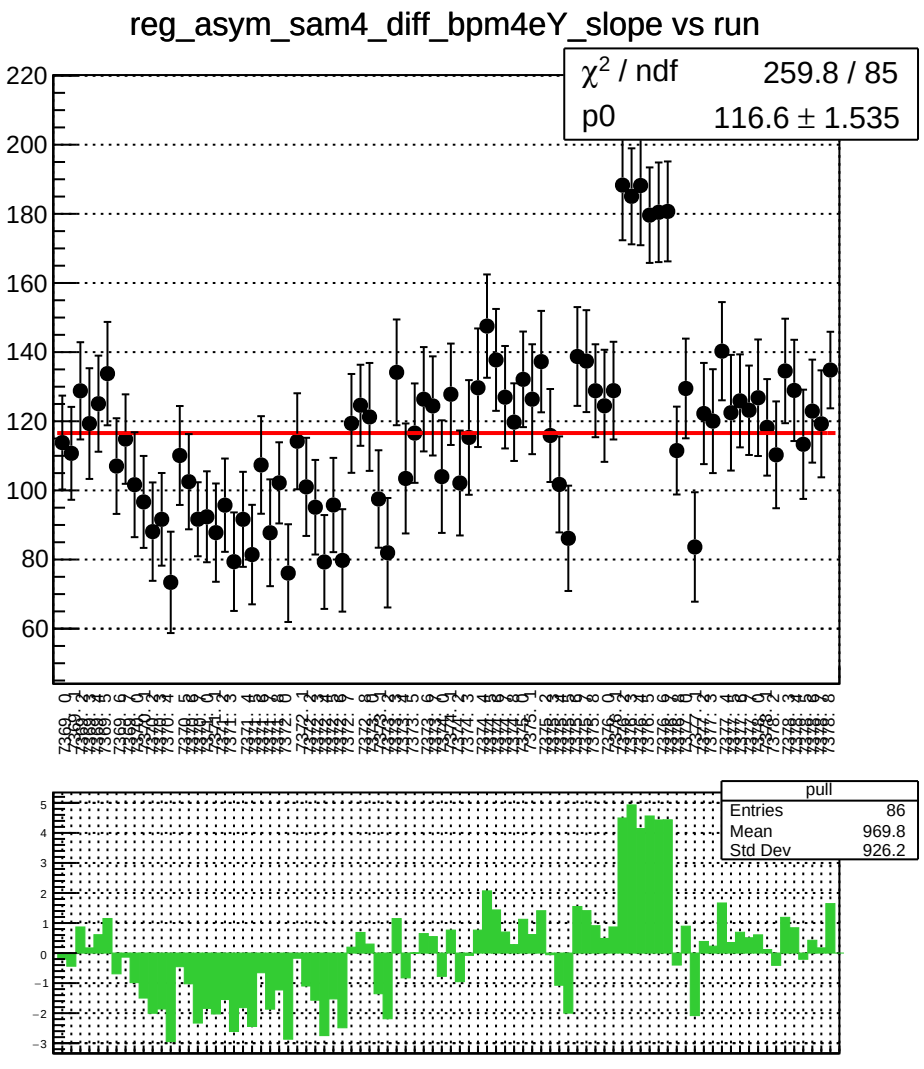

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 304.6 / 85
p0 0.1865 ± 0.02367
pull
Entries 86
Mean 552.7
Std Dev 507.3
pull1D
Entries 86
Mean 0.07773
Std Dev 1.88

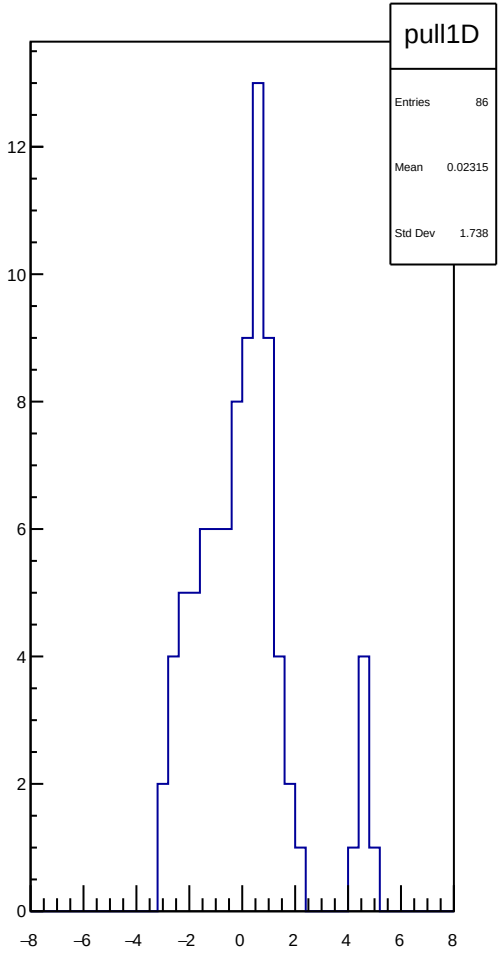

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 736.2 / 85
p0 −156.1 ± 1.3
pull
Entries 86
Mean 70.38
Std Dev 41.13
pull1D
Entries 86
Mean −0.3767
Std Dev 1.849

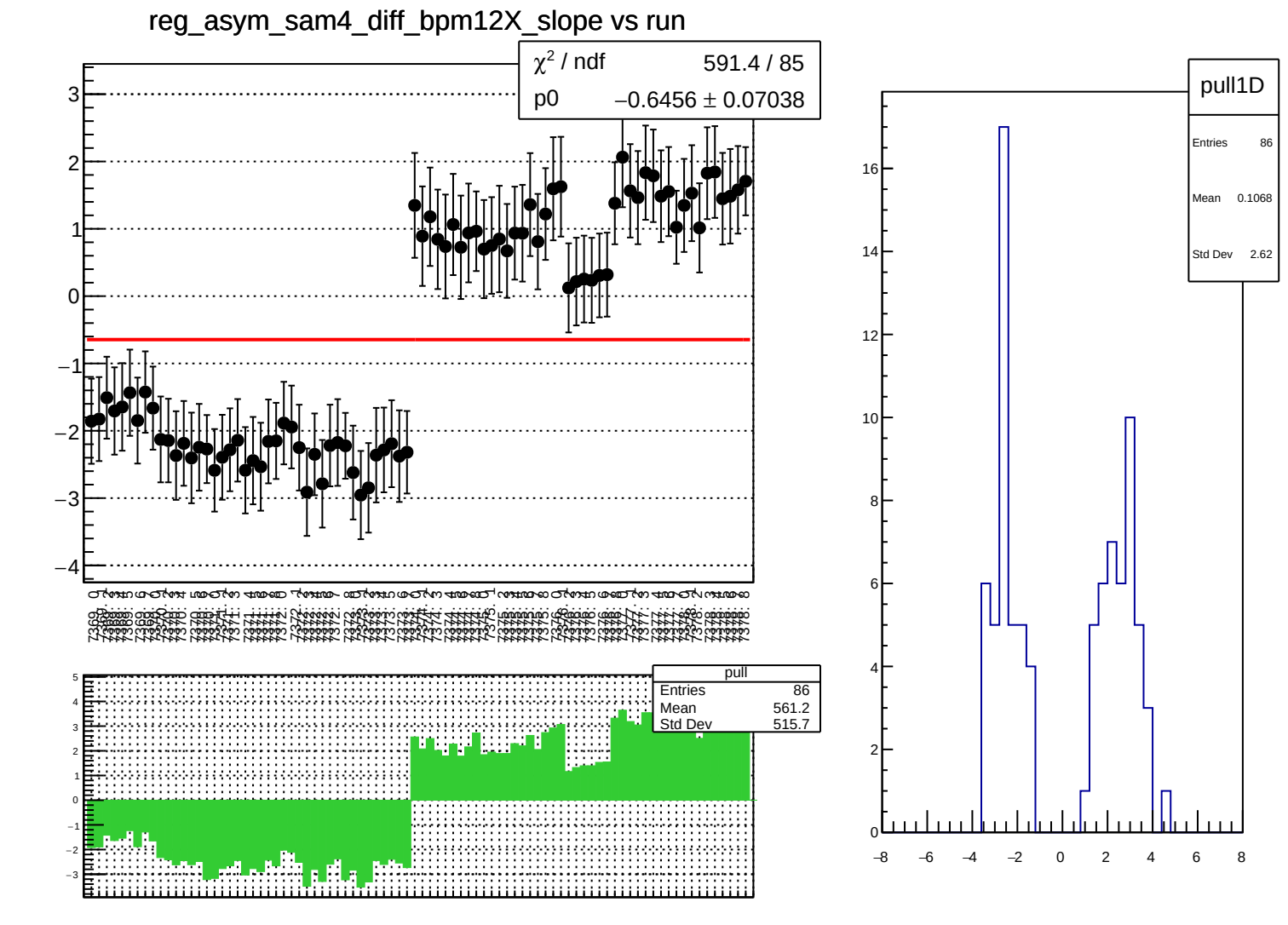

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 349.2 / 85
p0 98.09 ± 1.436
pull
Entries 86
Mean −446.2
Std Dev 498
pull1D
Entries 86
Mean 0.0214
Std Dev 2.015

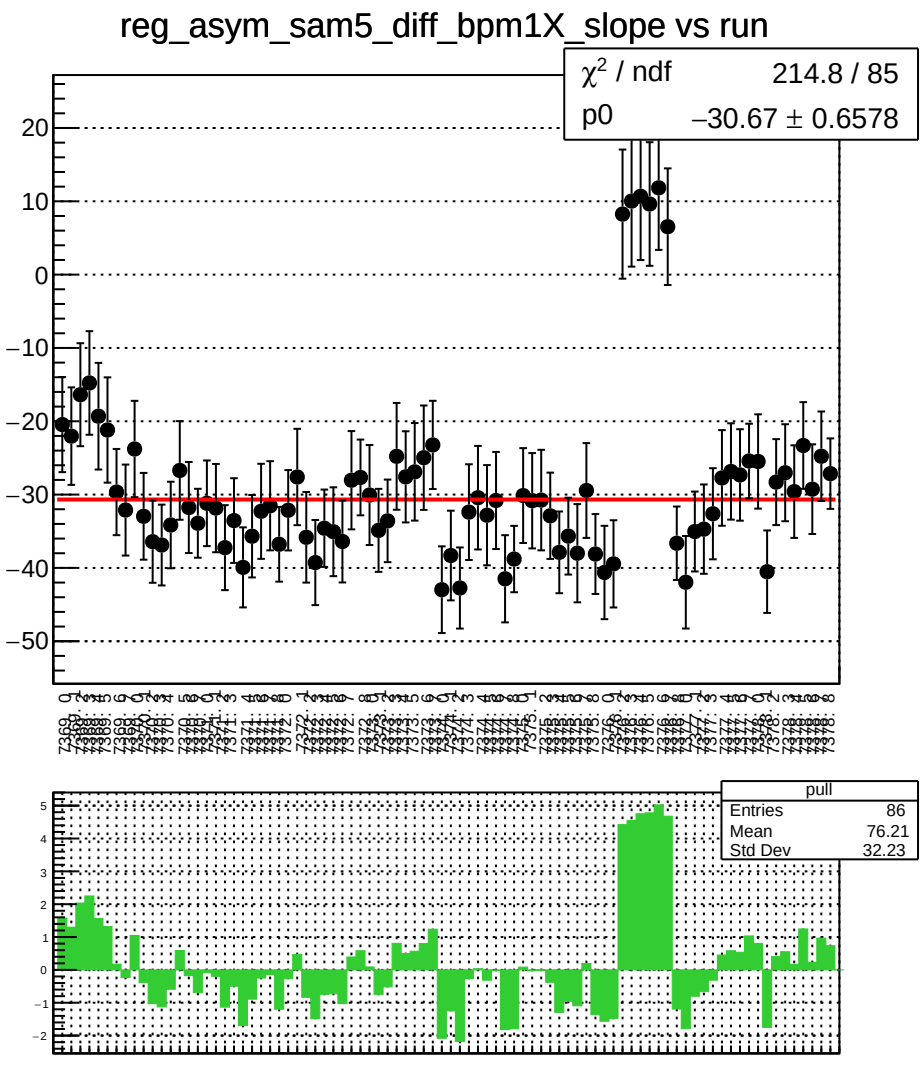

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 592.2 / 85
p0 −2.726 ± 1.352
pull
Entries 86
Mean 94.29
Std Dev 27.38

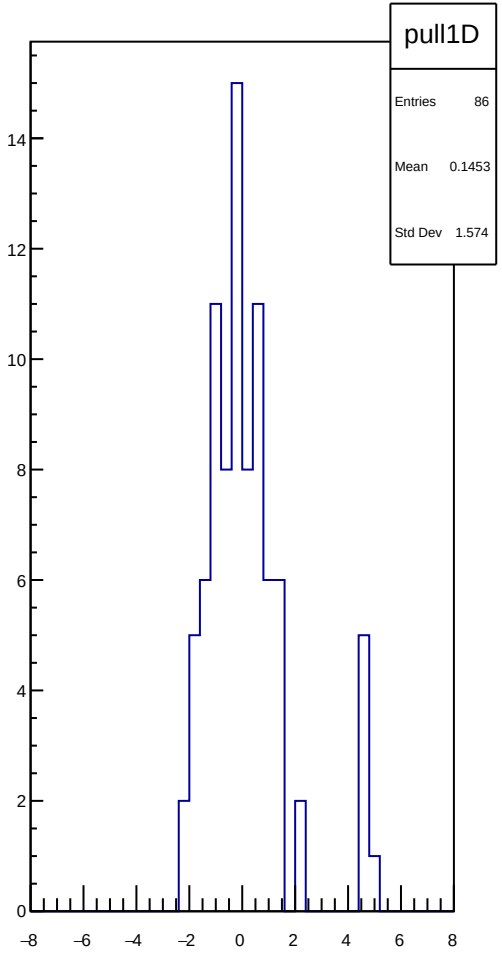

pull1D
Entries 86
Mean −0.2497
Std Dev 2.612

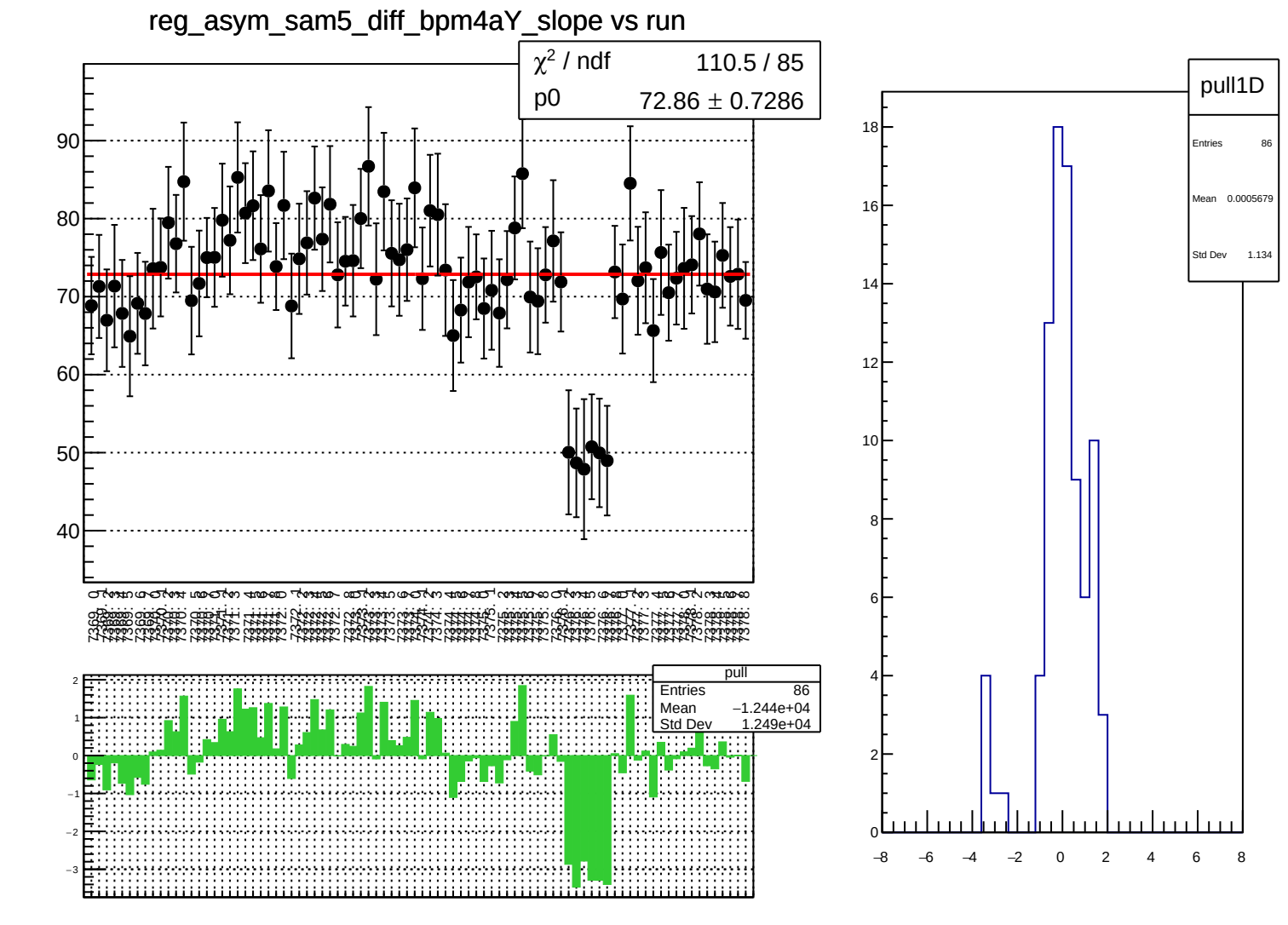

reg_asym_sam4_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 259.8 / 85
p0 116.6 ± 1.535
pull
Entries 86
Mean 969.8
Std Dev 926.2

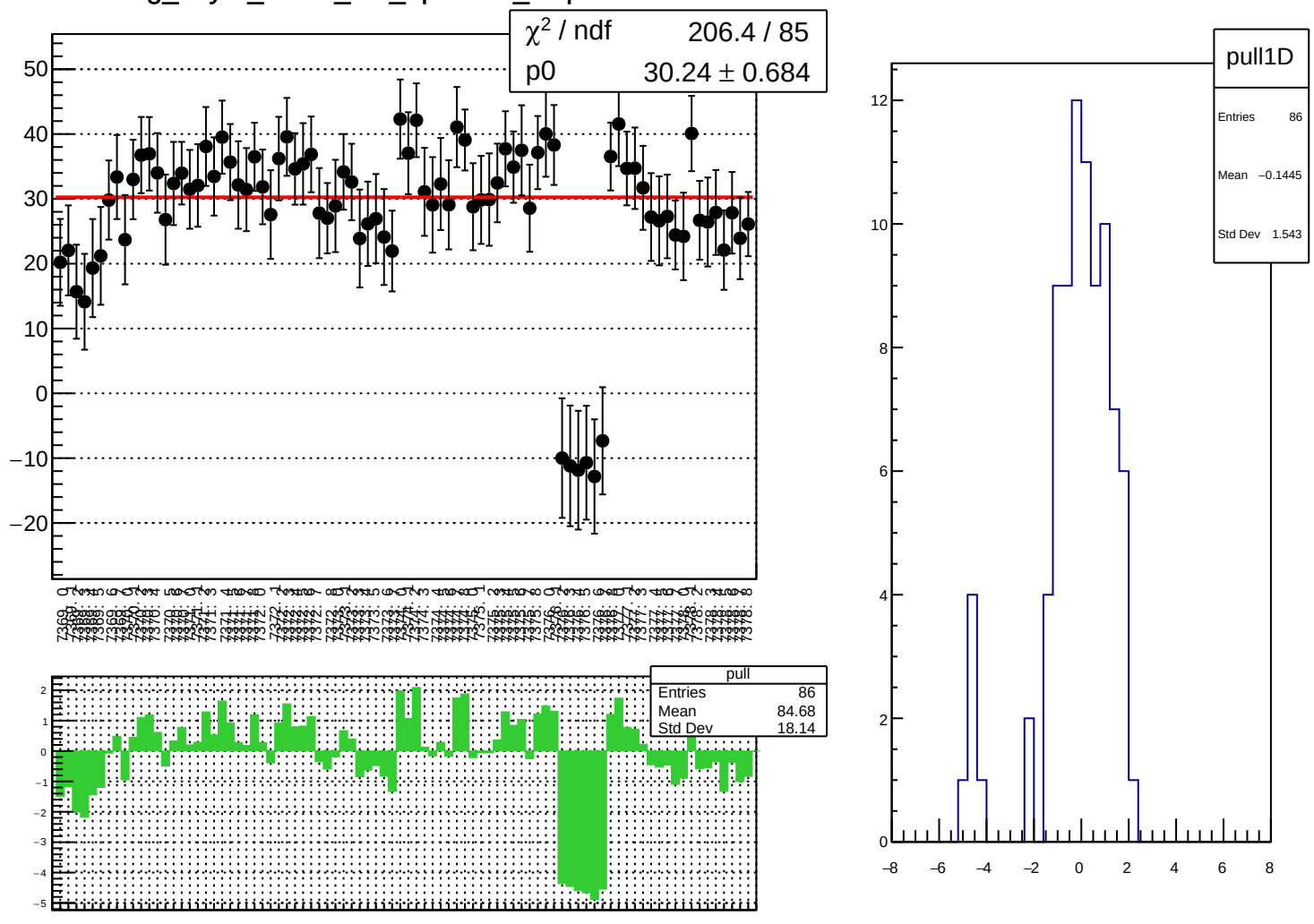

pull1D
Entries 86
Mean 0.02315
Std Dev 1.738

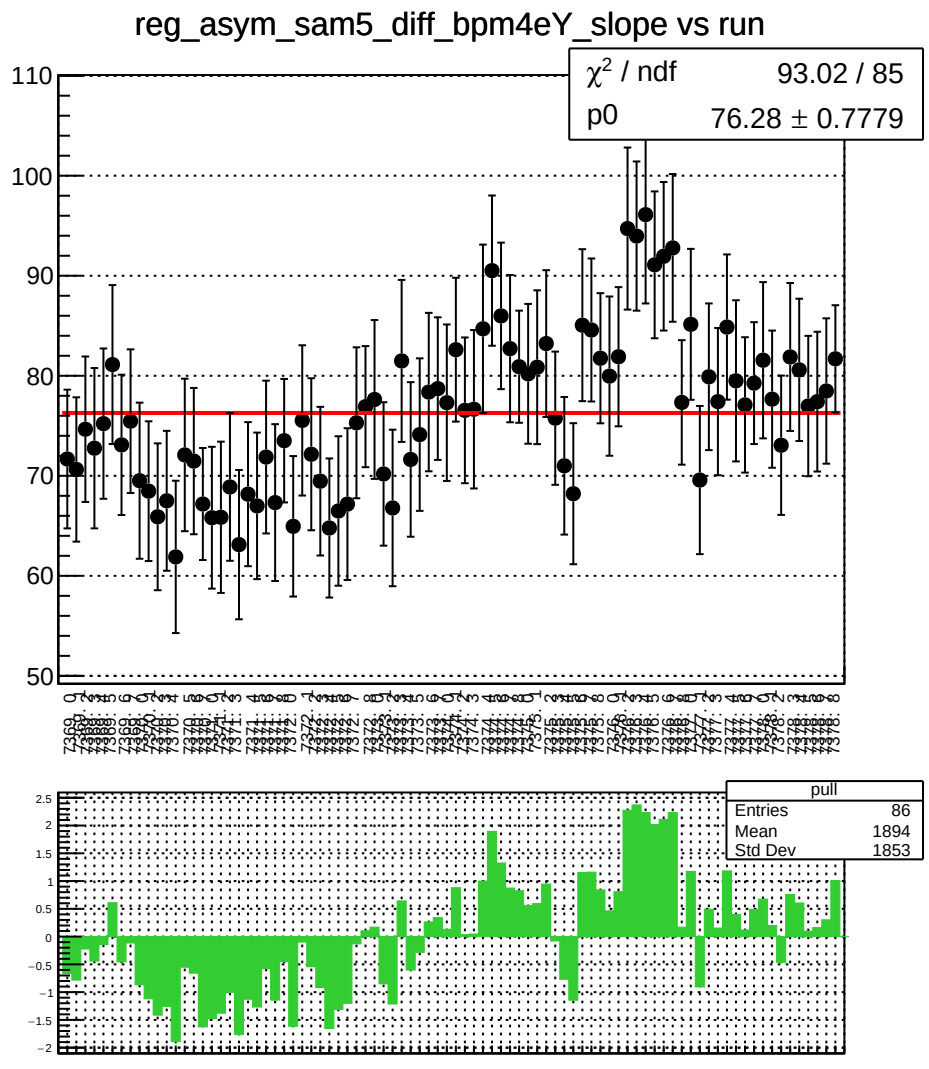

reg_asym_sam4_diff_bpm12X_slope vs run
$\chi^2$ / ndf 591.4 / 85
p0 −0.6456 ± 0.07038
pull
Entries 86
Mean 561.2
Std Dev 515.7
pull1D
Entries 86
Mean 0.1068
Std Dev 2.62

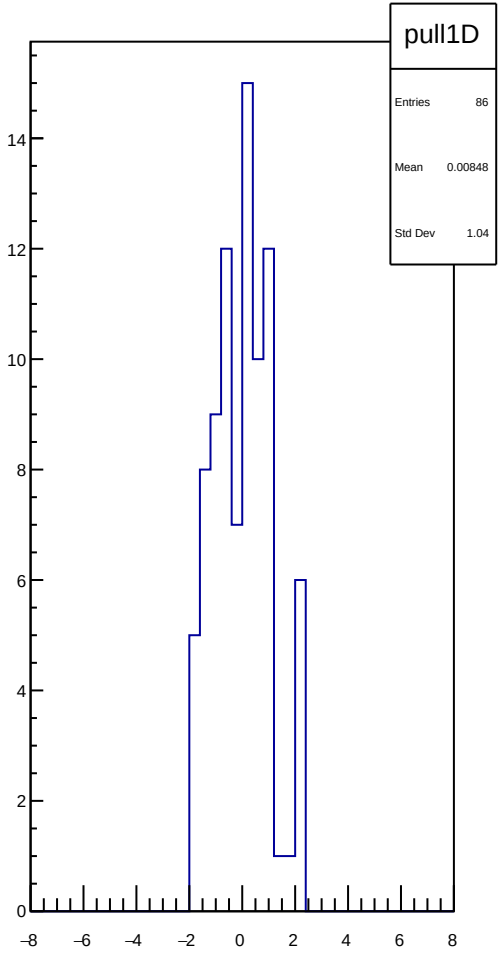

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 214.8 / 85
p0 −30.67 ± 0.6578
pull
Entries 86
Mean 76.21
Std Dev 32.23

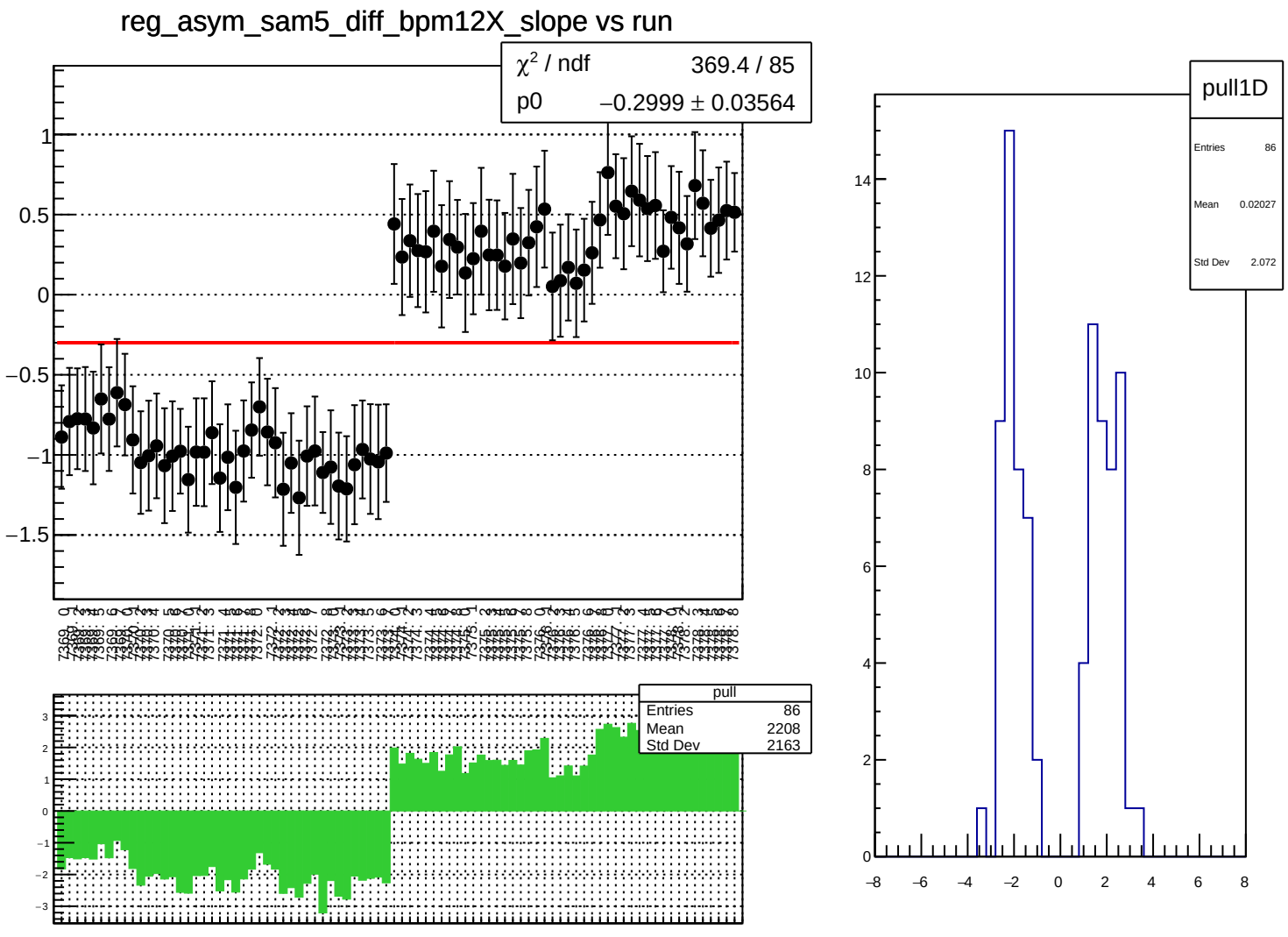

pull1D
Entries 86
Mean 0.1453
Std Dev 1.574

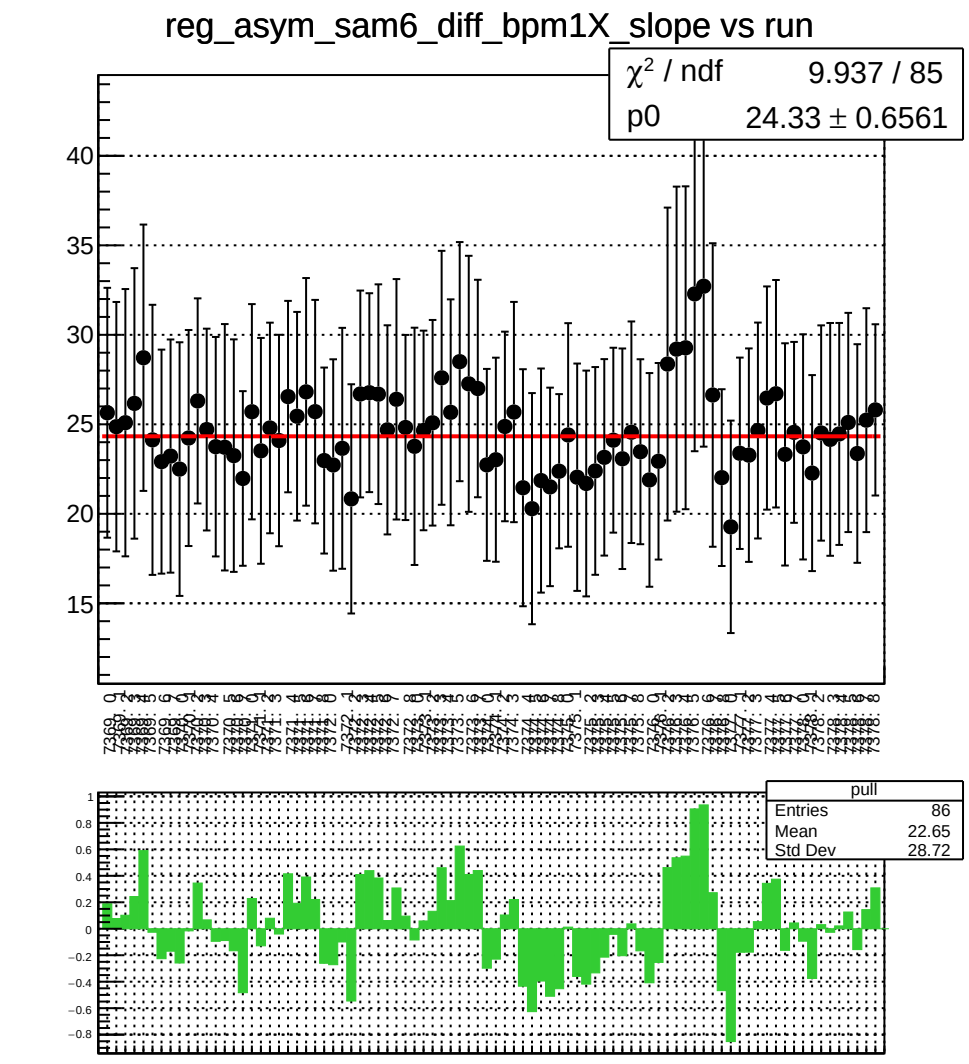

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 110.5 / 85
p0 72.86 ± 0.7286
pull
Entries 86
Mean −1.244e+04
Std Dev 1.249e+04
pull1D
Entries 86
Mean 0.0005679
Std Dev 1.134

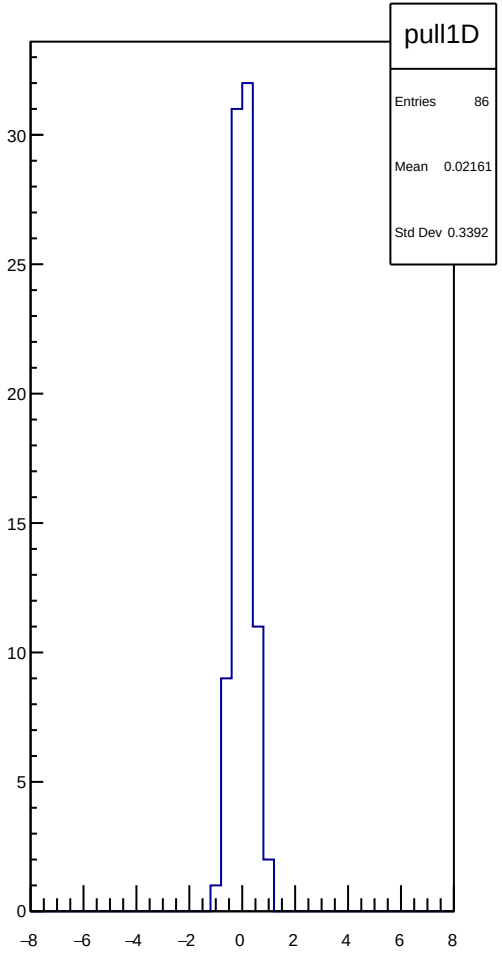

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 206.4 / 85
p0 30.24 ± 0.684
pull
Entries 86
Mean 84.68
Std Dev 18.14
pull1D
Entries 86
Mean −0.1445
Std Dev 1.543

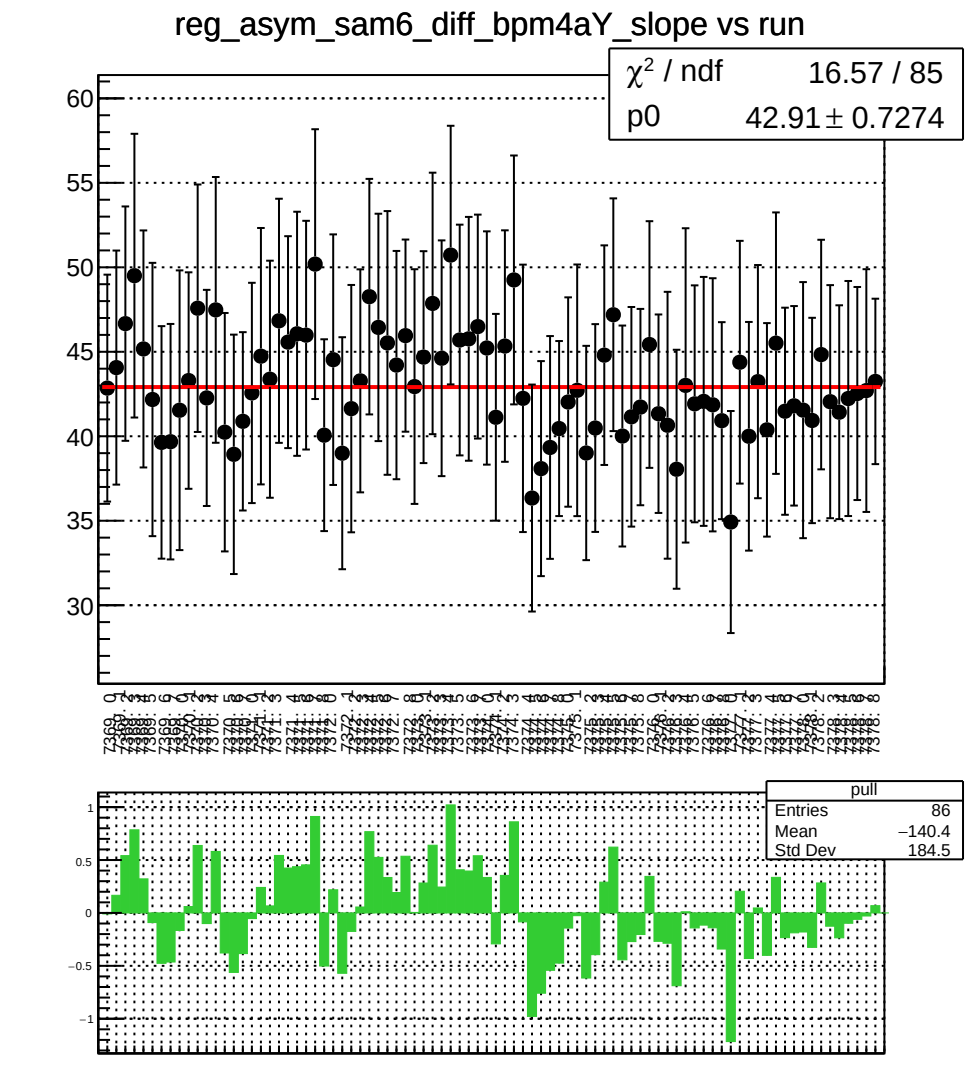

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 93.02 / 85
p0 76.28 ± 0.7779
pull
Entries 86
Mean 1894
Std Dev 1853

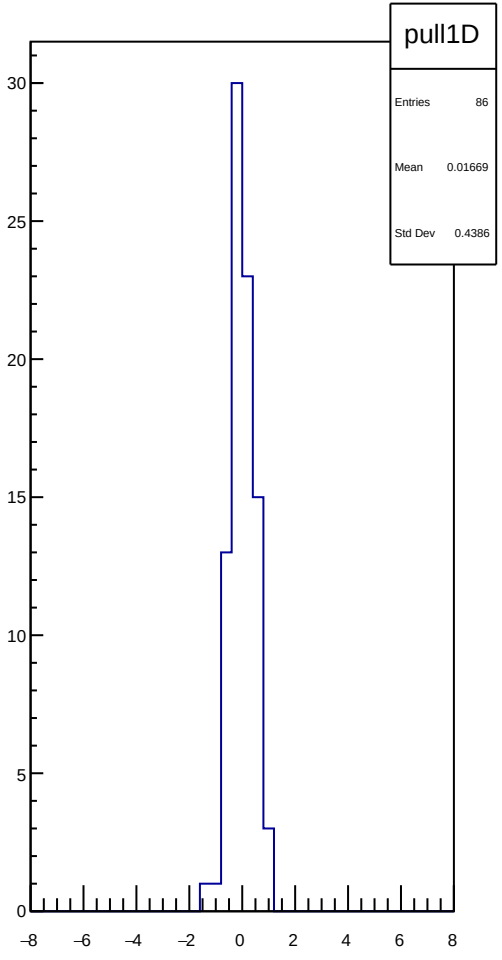

pull1D
Entries 86
Mean 0.00848
Std Dev 1.04

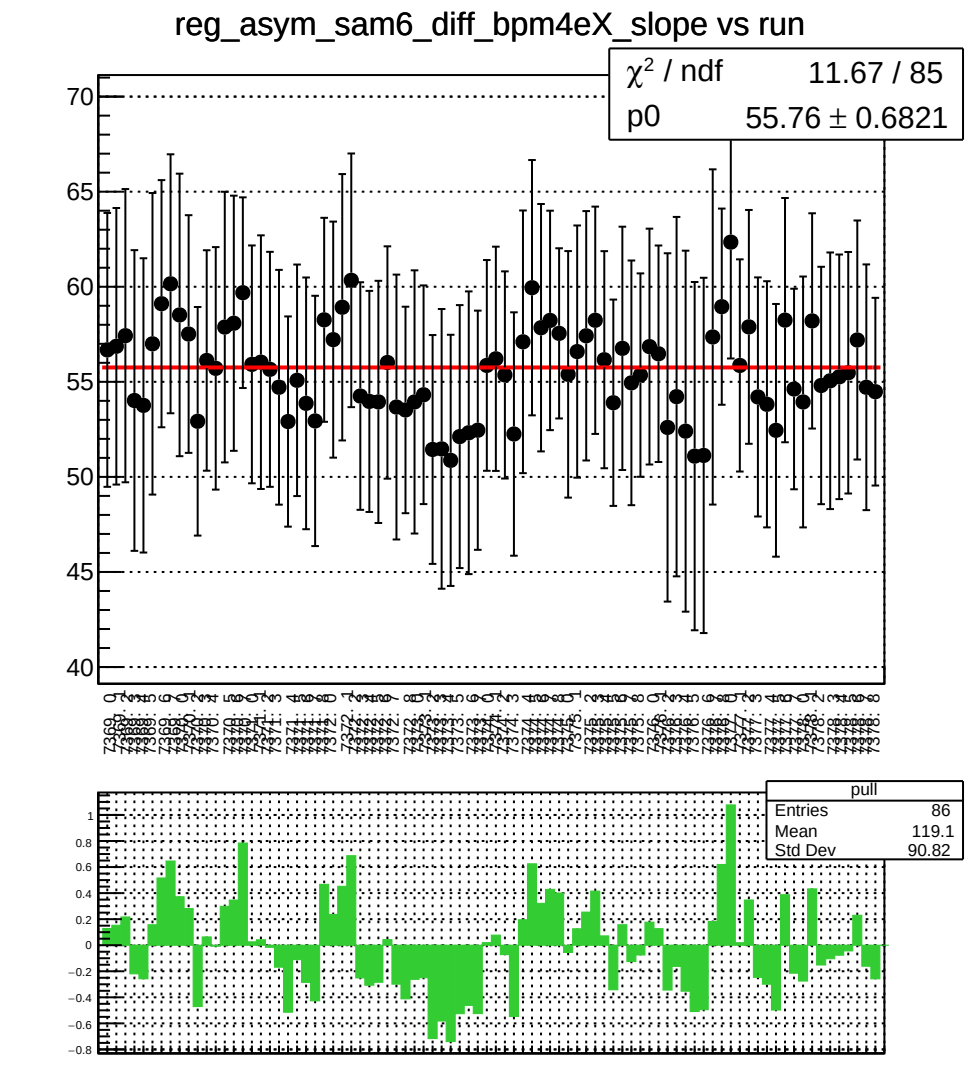

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 369.4 / 85
p0 −0.2999 ± 0.03564
pull
Entries 86
Mean 2208
Std Dev 2163
pull1D
Entries 86
Mean 0.02027
Std Dev 2.072

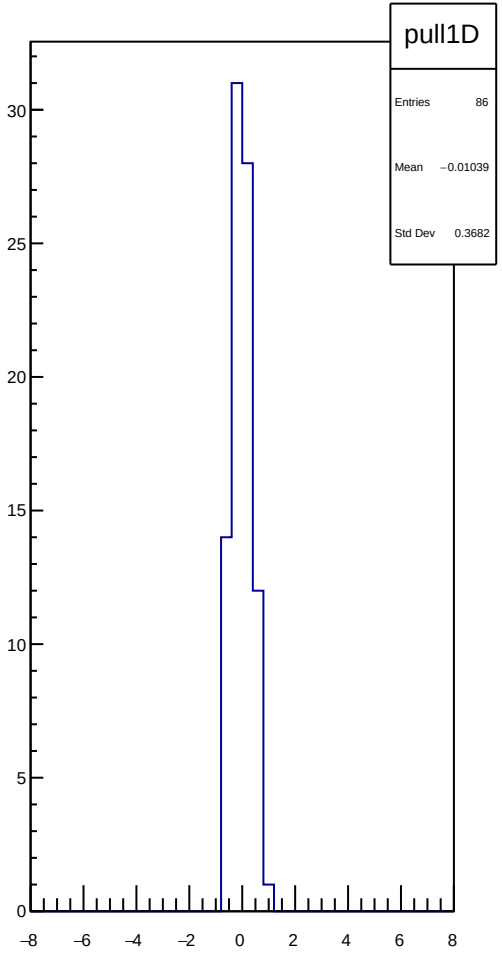

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 9.937 / 85
p0 24.33 ± 0.6561
pull
Entries 86
Mean 22.65
Std Dev 28.72

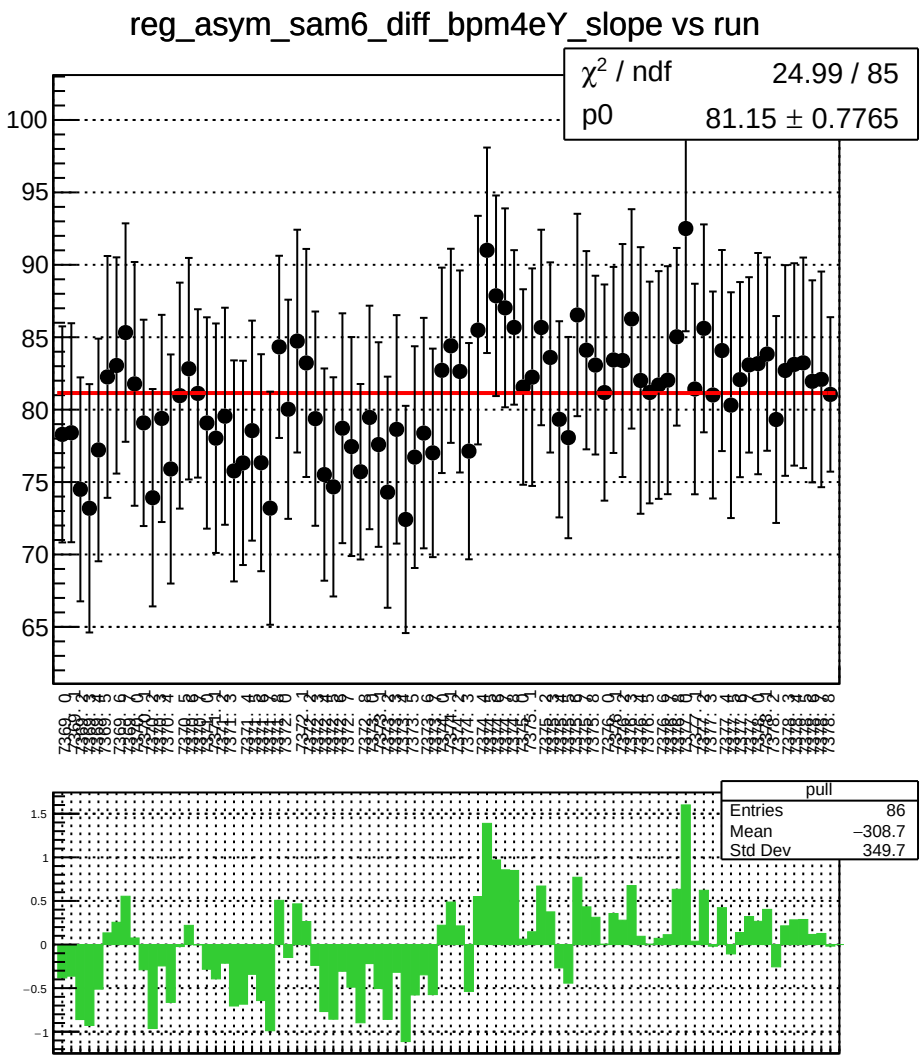

pull1D
Entries 86
Mean 0.02161
Std Dev 0.3392

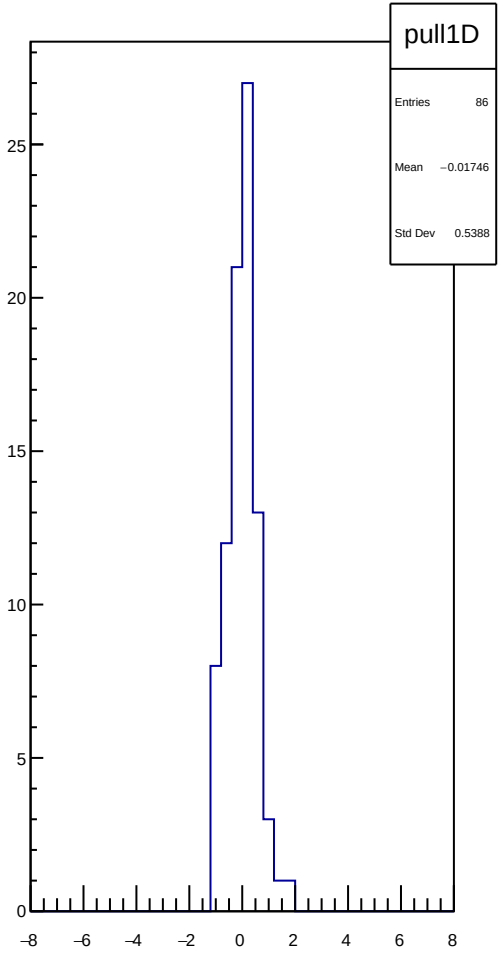

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 16.57 / 85
p0 42.91 ± 0.7274
pull
Entries 86
Mean −140.4
Std Dev 184.5

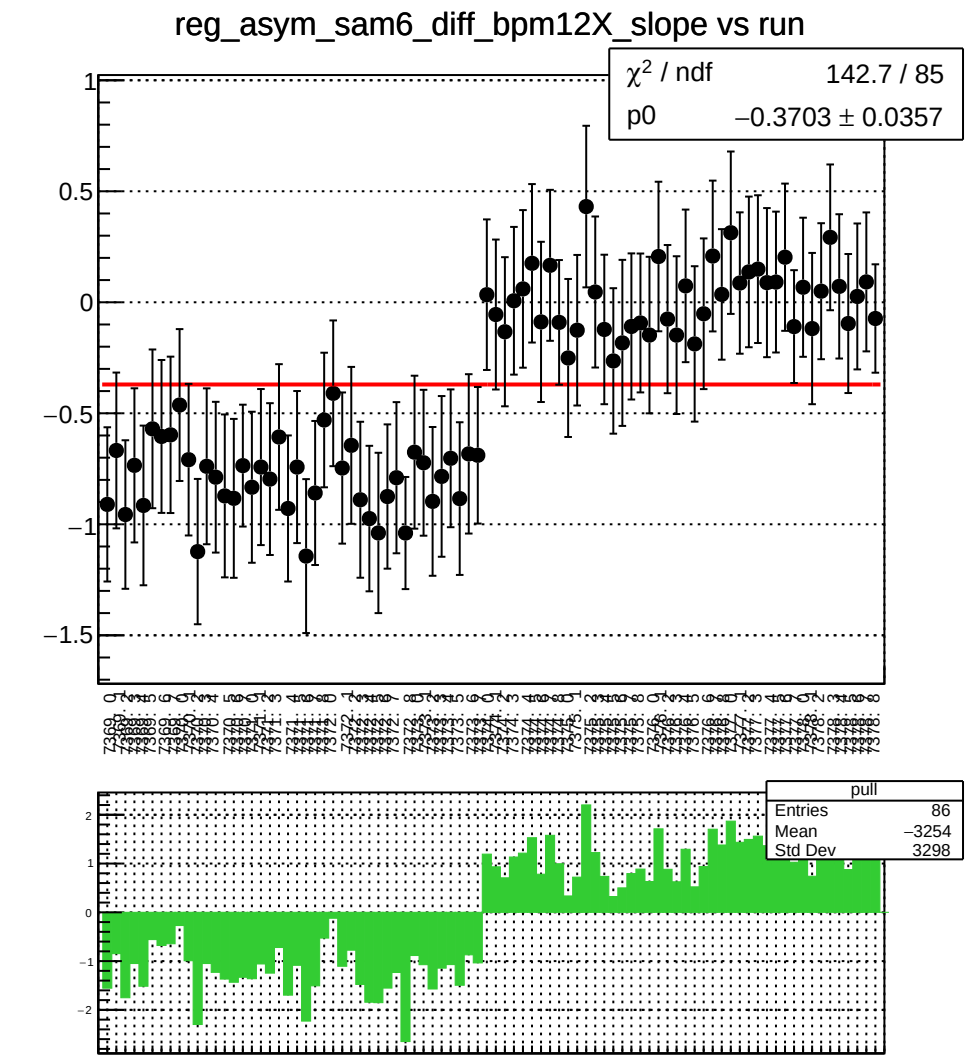

pull1D
Entries 86
Mean 0.01669
Std Dev 0.4386

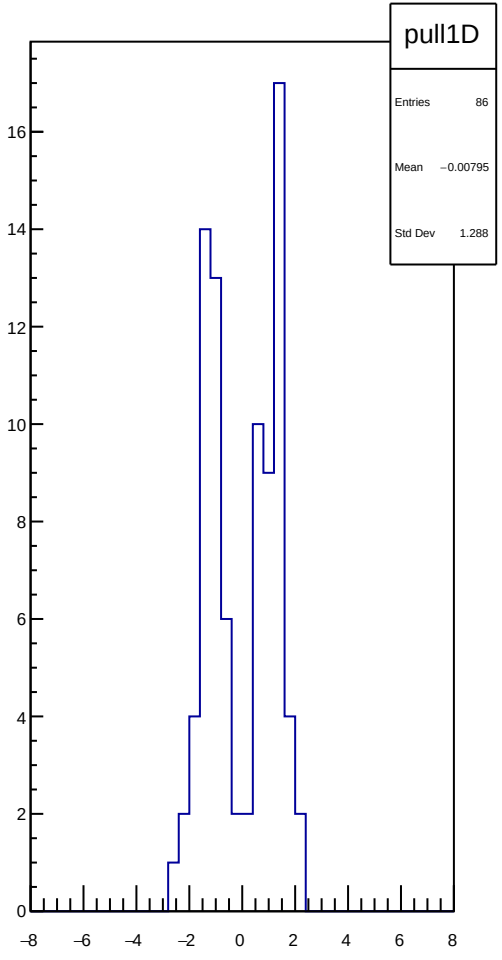

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 11.67 / 85
p0 55.76 ± 0.6821
pull
Entries 86
Mean 119.1
Std Dev 90.82

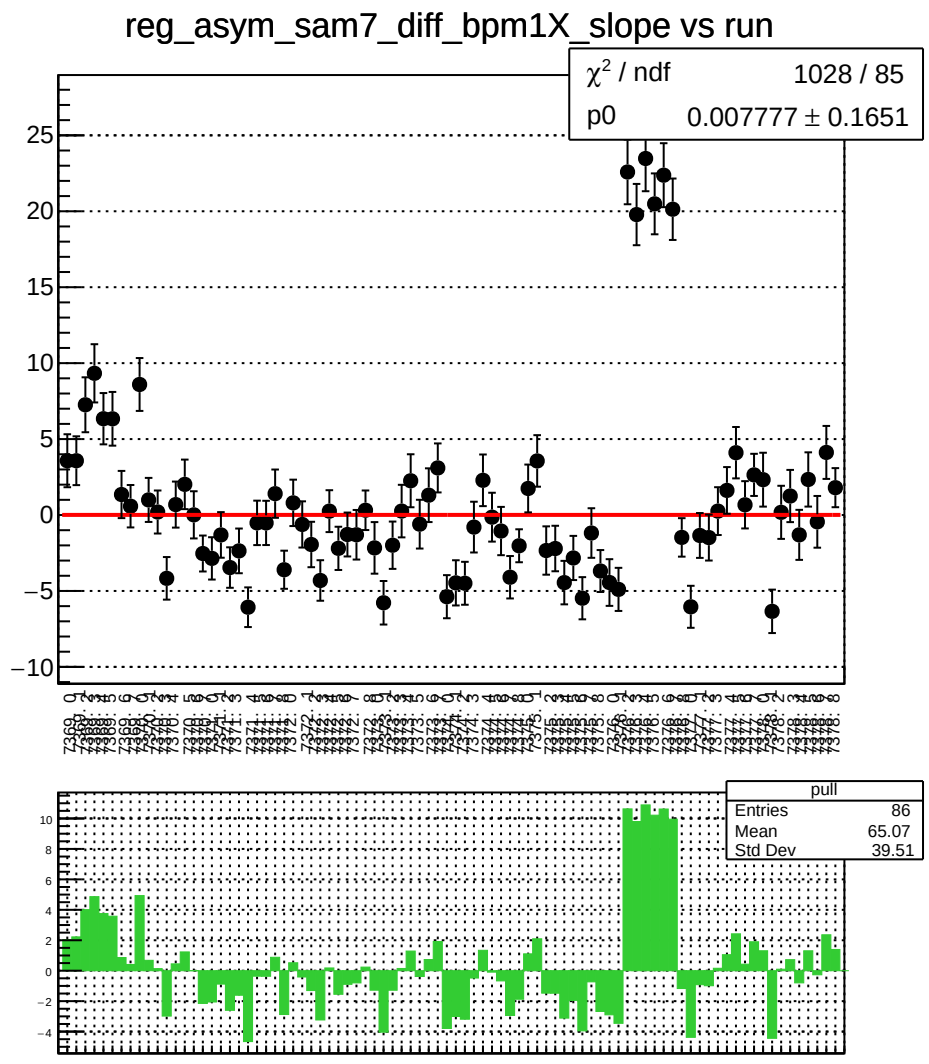

pull1D
Entries 86
Mean −0.01039
Std Dev 0.3682

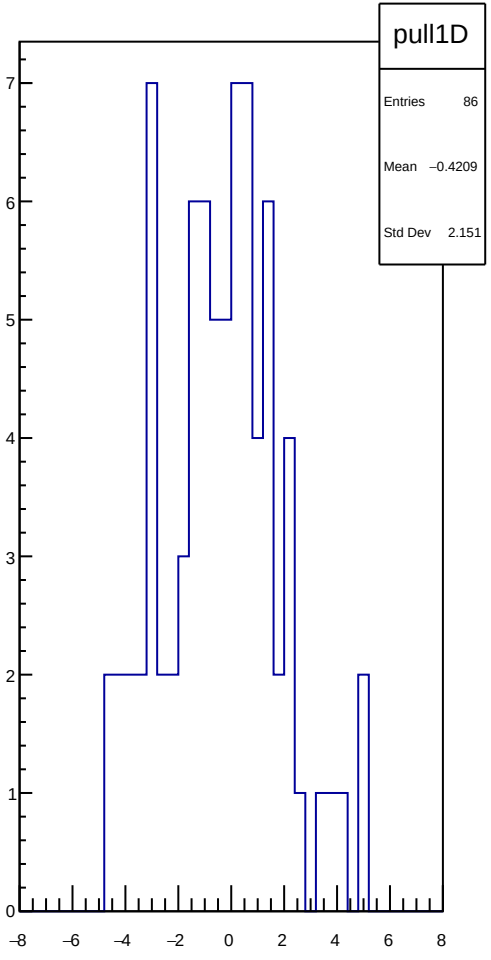

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 24.99 / 85
p0 81.15 ± 0.7765
pull
Entries 86
Mean −308.7
Std Dev 349.7

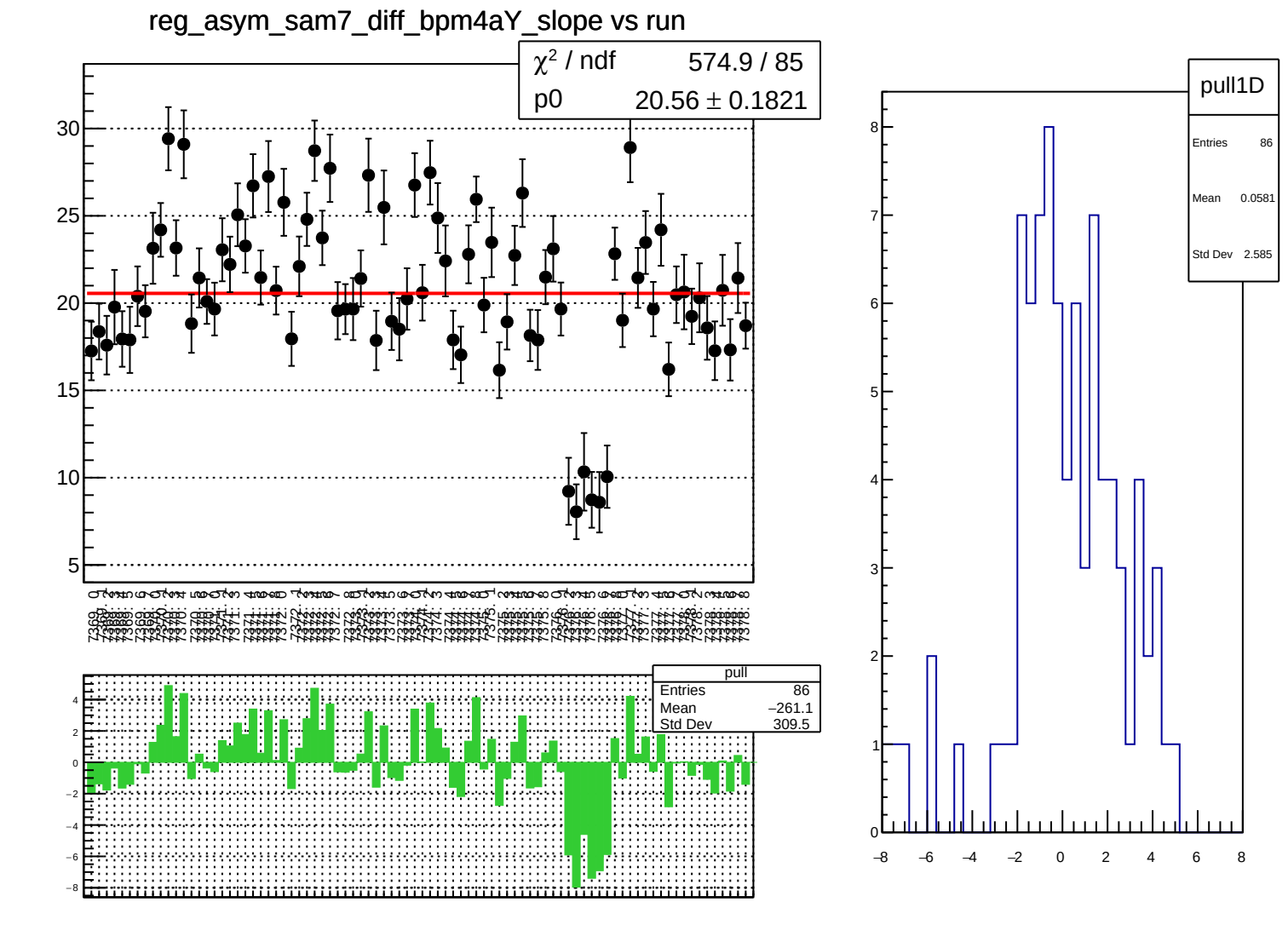

pull1D
Entries 86
Mean −0.01746
Std Dev 0.5388

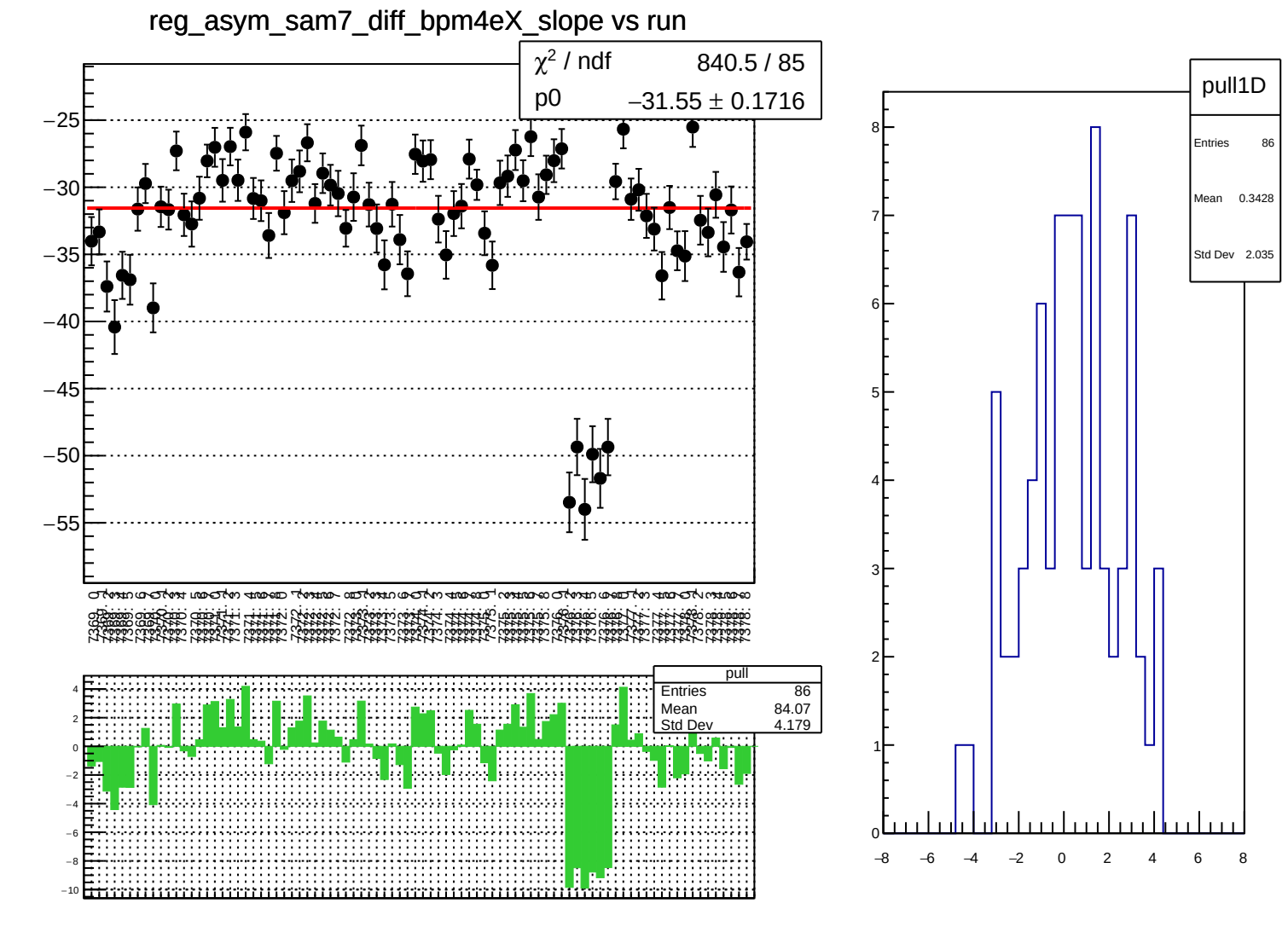

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 142.7 / 85
p0 −0.3703 ± 0.0357
pull
Entries 86
Mean −3254
Std Dev 3298

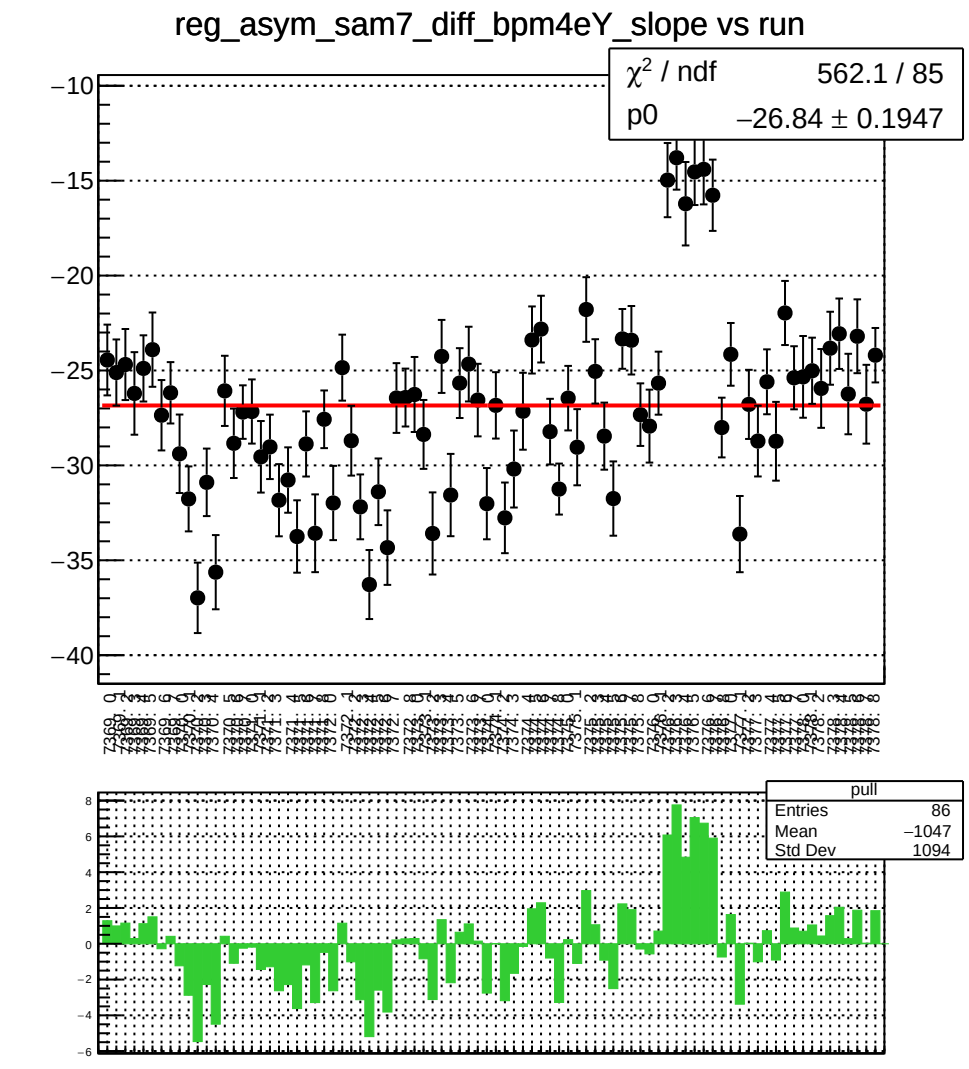

pull1D
Entries 86
Mean −0.00795
Std Dev 1.288

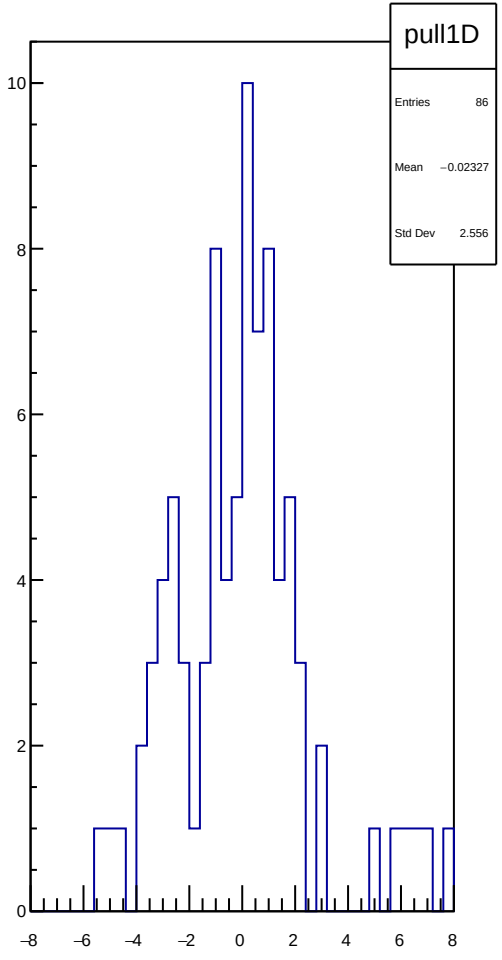

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 1028 / 85
p0 0.007777 ± 0.1651
pull
Entries 86
Mean 65.07
Std Dev 39.51

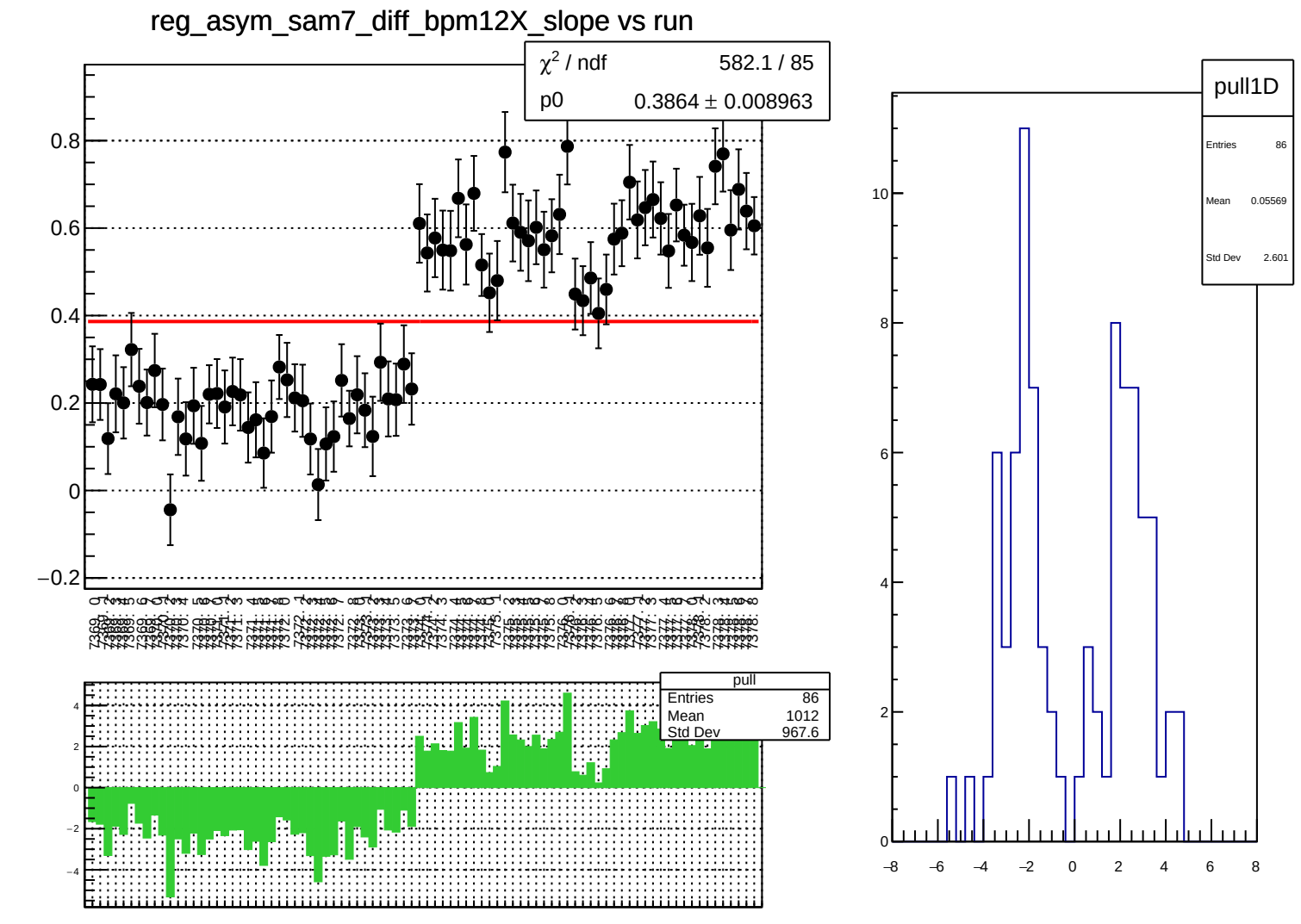

pull1D
Entries 86
Mean −0.4209
Std Dev 2.151

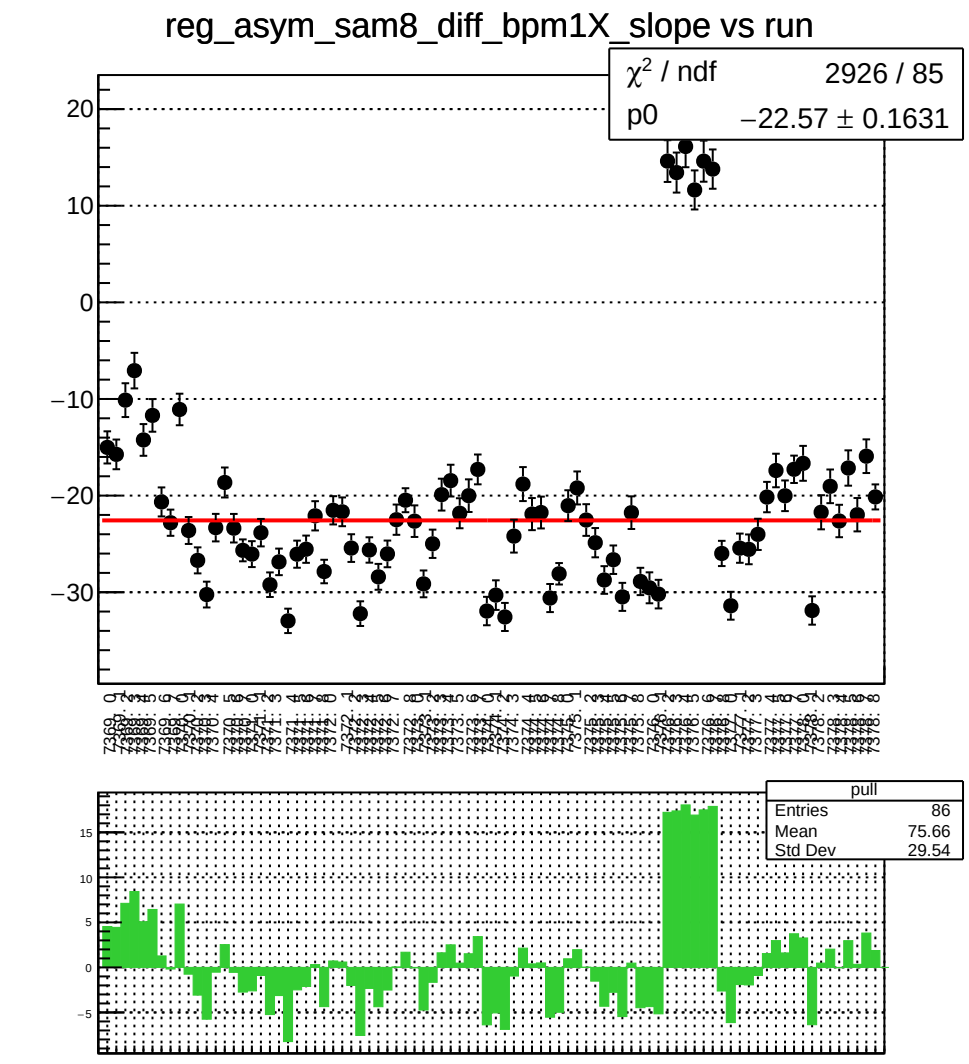

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 574.9 / 85
p0 20.56 ± 0.1821
pull
Entries 86
Mean −261.1
Std Dev 309.5
pull1D
Entries 86
Mean 0.0581
Std Dev 2.585

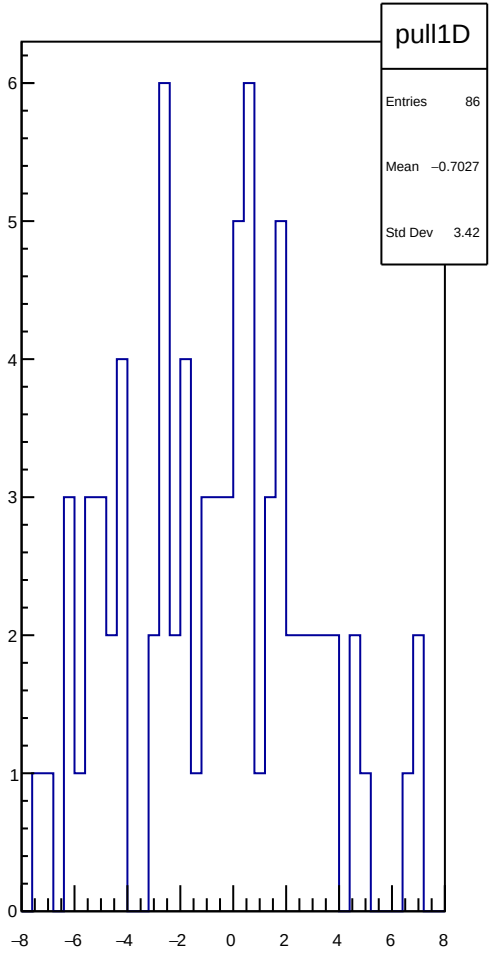

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 840.5 / 85
p0 −31.55 ± 0.1716
pull
Entries 86
Mean 84.07
Std Dev 4.179
pull1D
Entries 86
Mean 0.3428
Std Dev 2.035

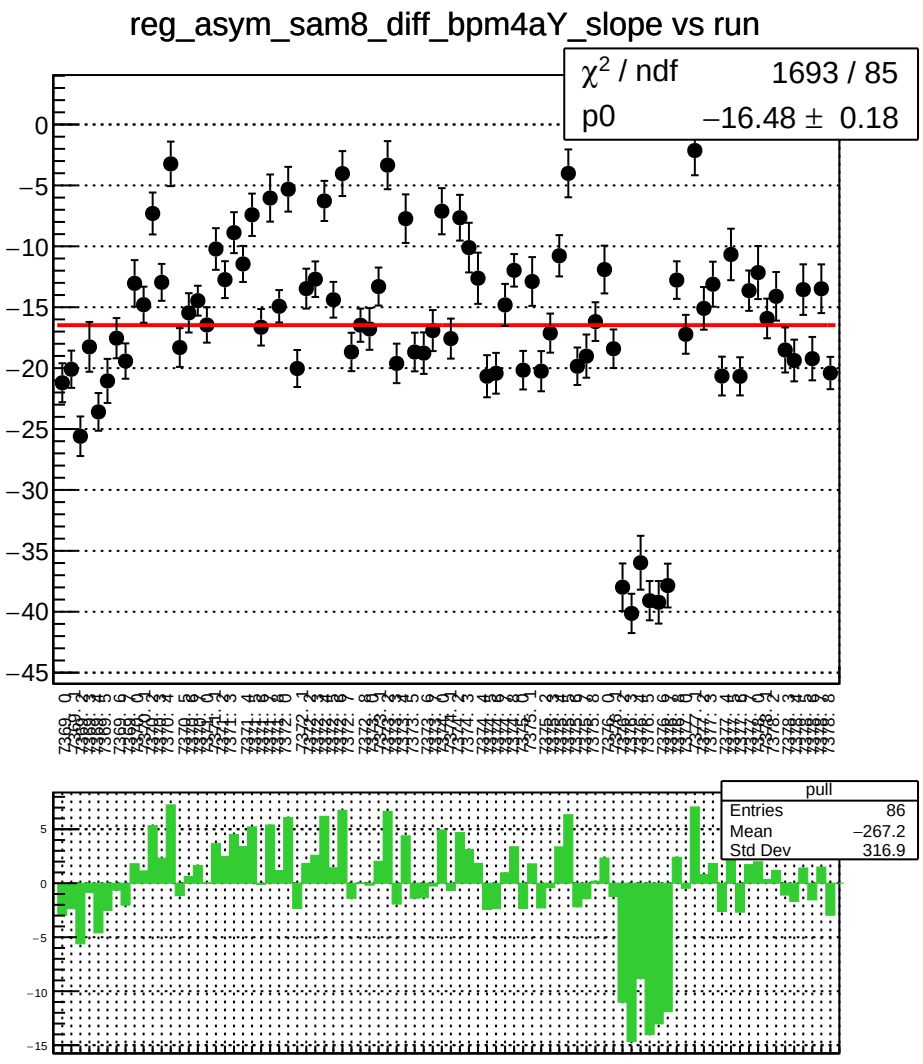

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 562.1 / 85
p0 −26.84 ± 0.1947
pull
Entries 86
Mean −1047
Std Dev 1094

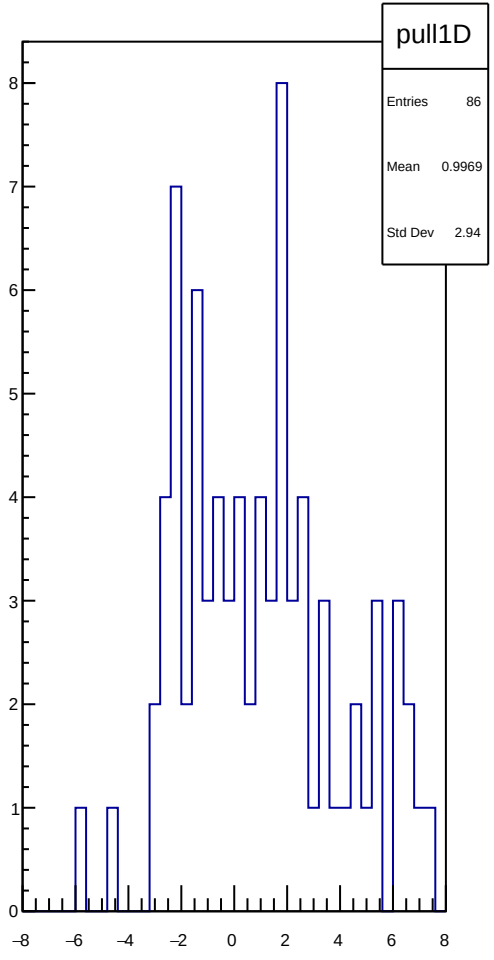

pull1D
Entries 86
Mean −0.02327
Std Dev 2.556

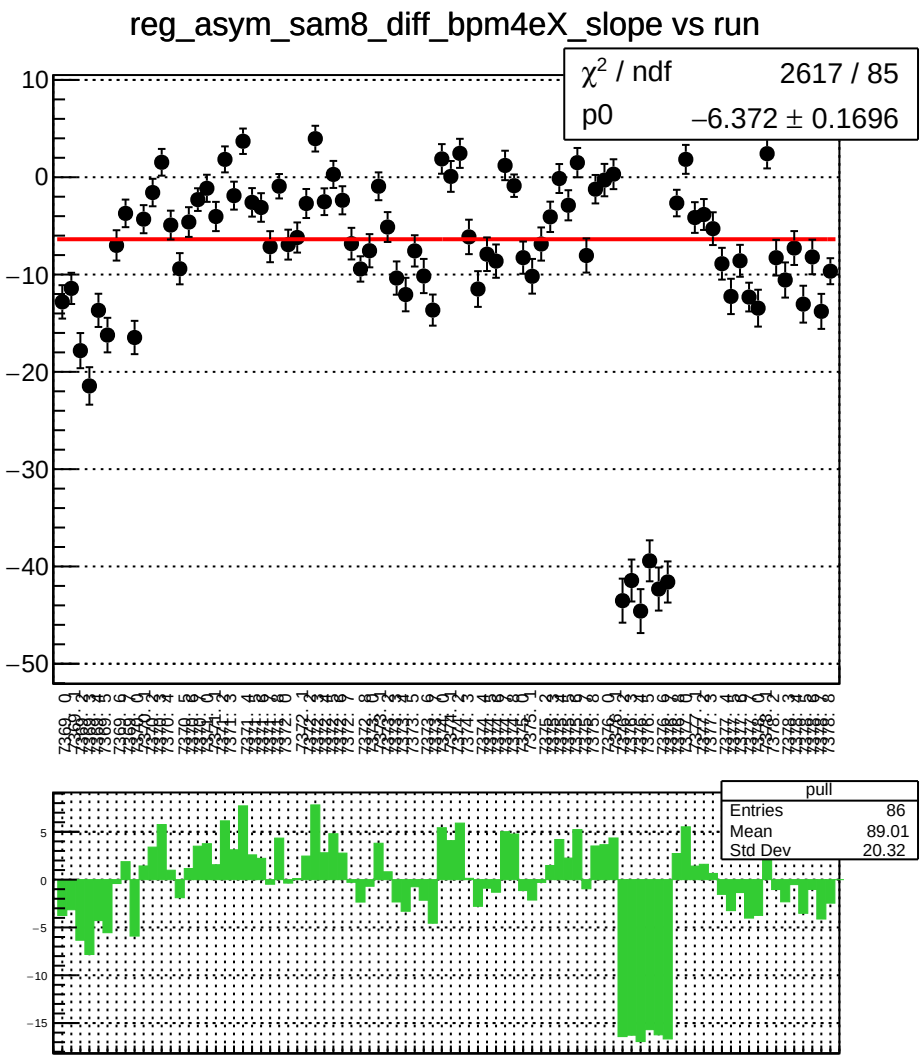

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 582.1 / 85
p0 0.3864 ± 0.008963
pull
Entries 86
Mean 1012
Std Dev 967.6
pull1D
Entries 86
Mean 0.05569
Std Dev 2.601

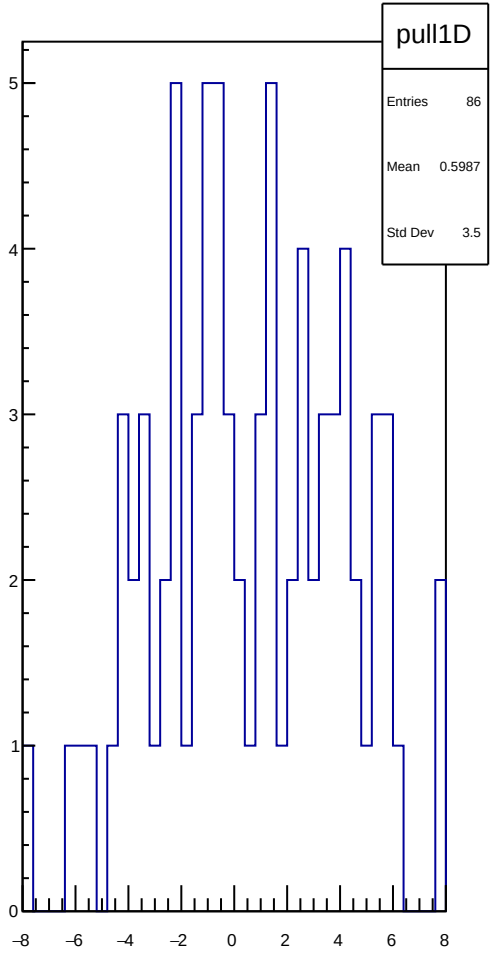

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 2926 / 85
p0 −22.57 ± 0.1631
pull
Entries 86
Mean 75.66
Std Dev 29.54

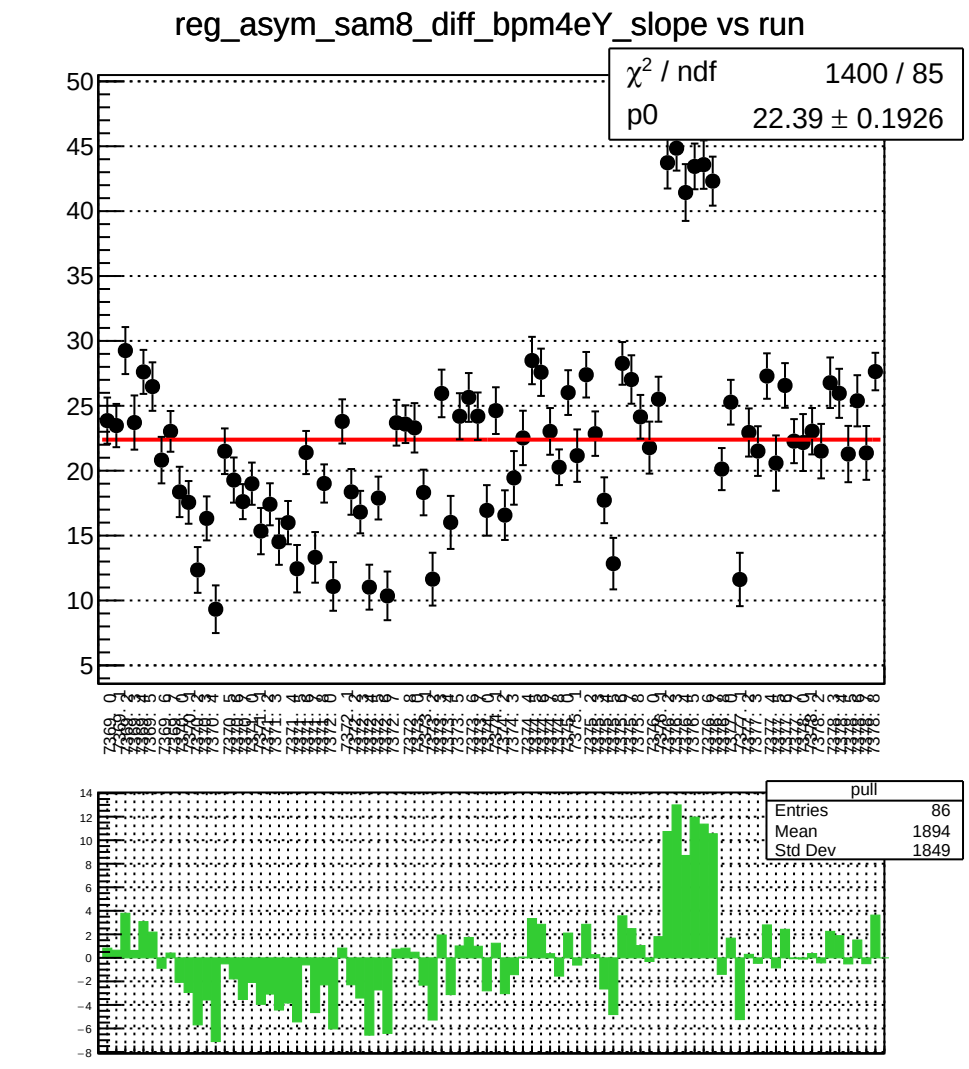

pull1D
Entries 86
Mean −0.7027
Std Dev 3.42

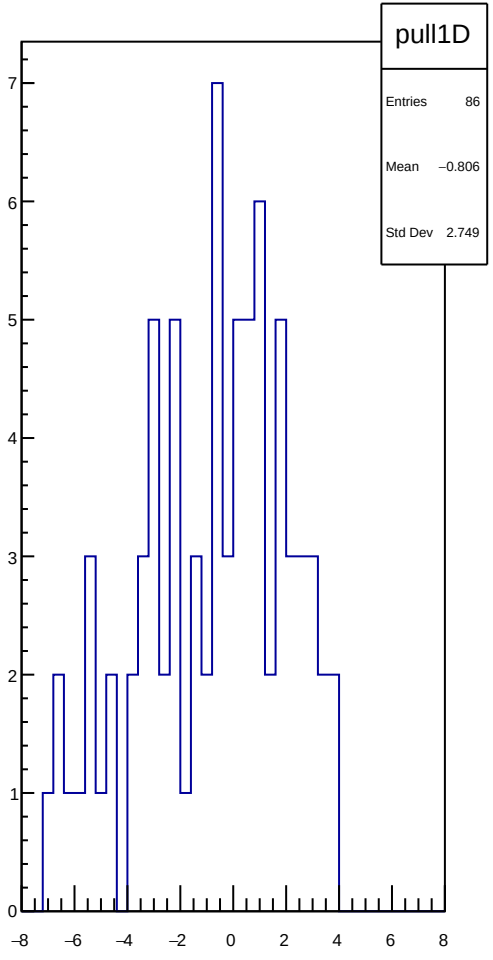

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 1693 / 85
p0 −16.48 ± 0.18
pull
Entries 86
Mean −267.2
Std Dev 316.9

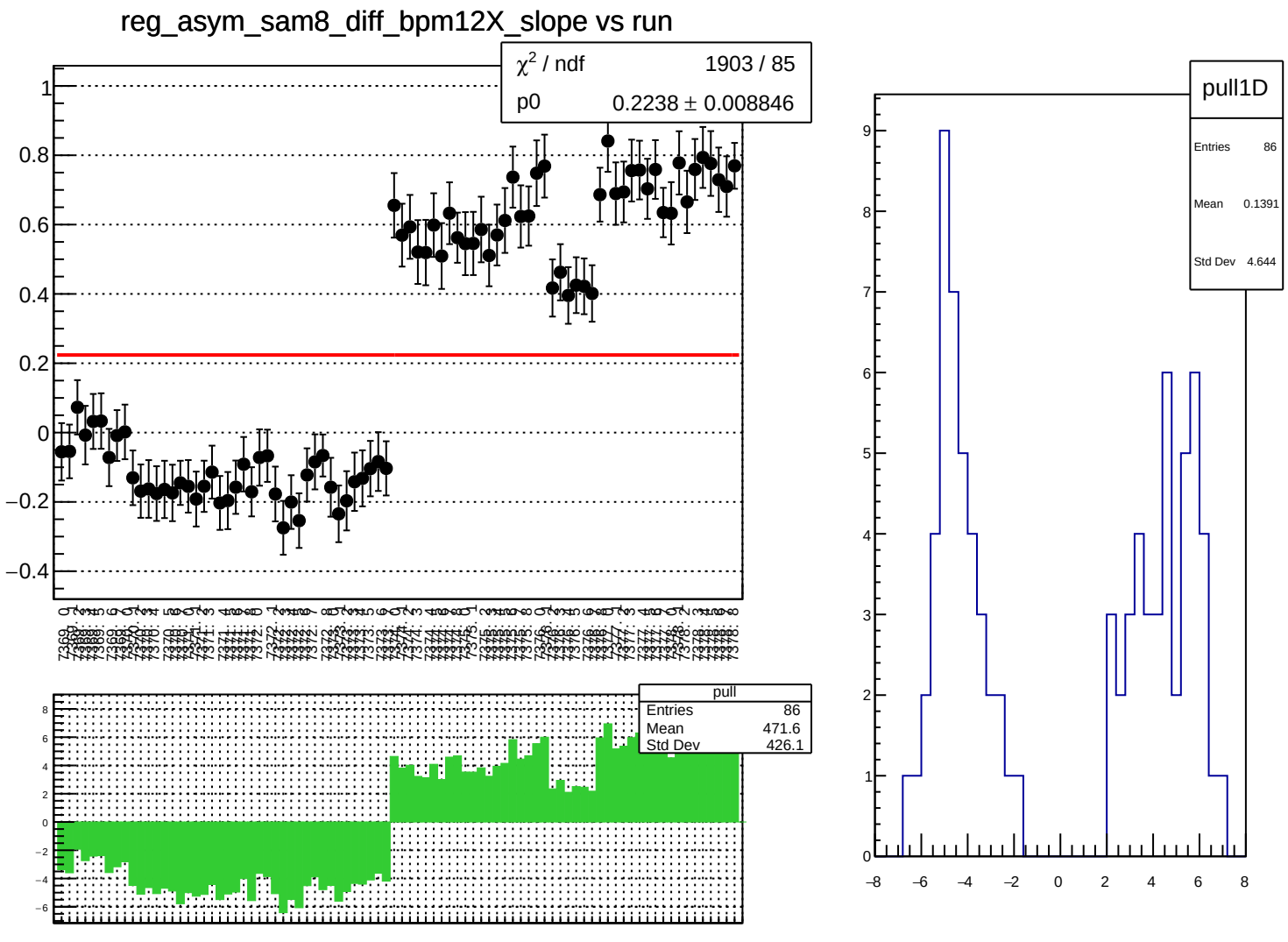

pull1D
Entries 86
Mean 0.9969
Std Dev 2.94

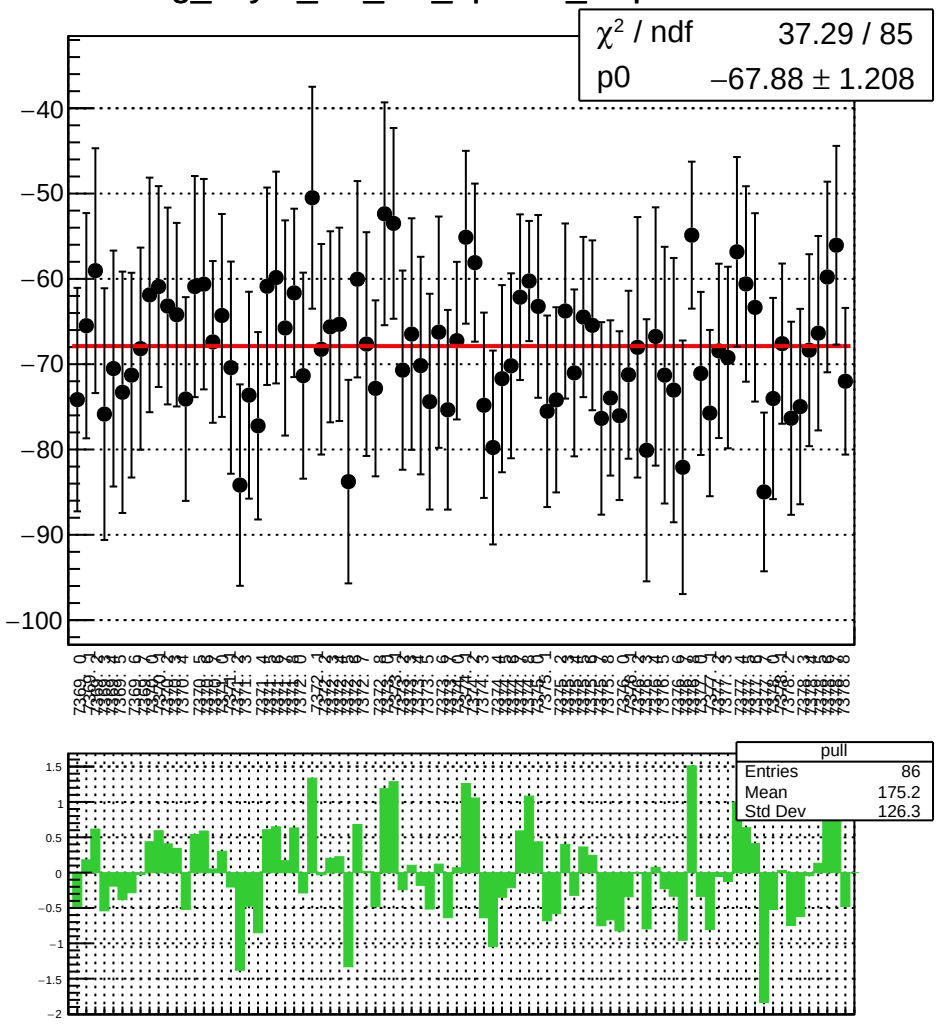

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 2617 / 85
p0 −6.372 ± 0.1696
pull
Entries 86
Mean 89.01
Std Dev 20.32

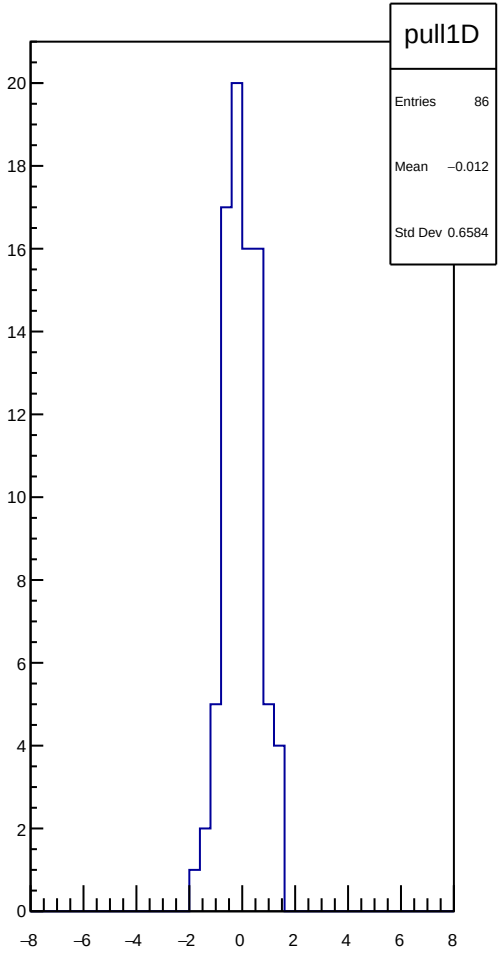

pull1D
Entries 86
Mean 0.5987
Std Dev 3.5

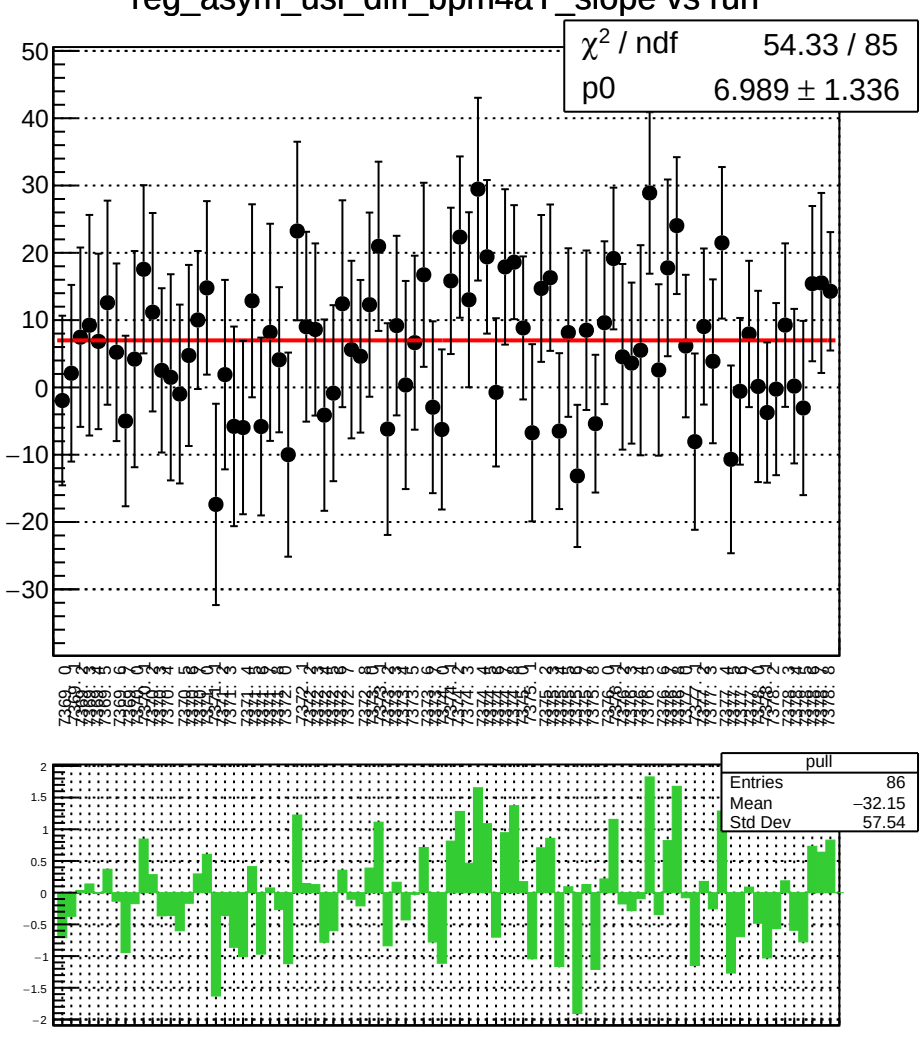

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 1400 / 85
p0 22.39 ± 0.1926
pull
Entries 86
Mean 1894
Std Dev 1849

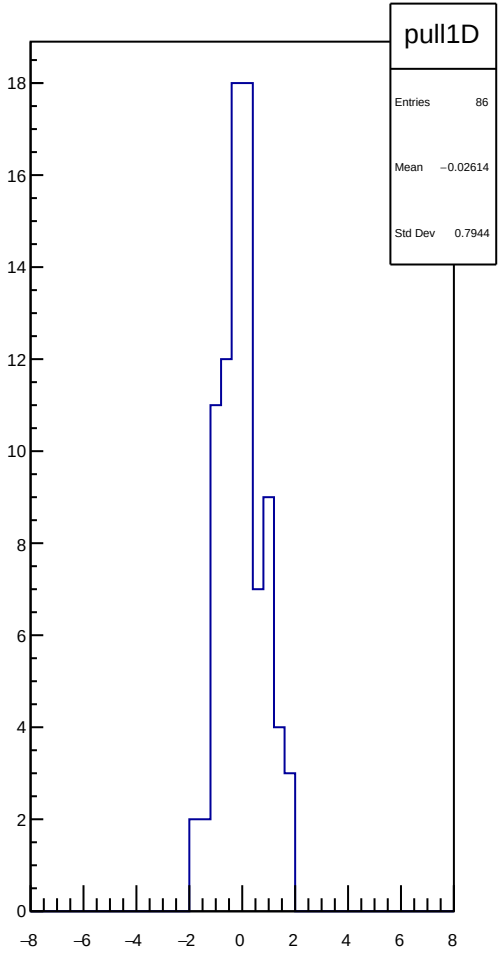

pull1D
Entries 86
Mean −0.806
Std Dev 2.749

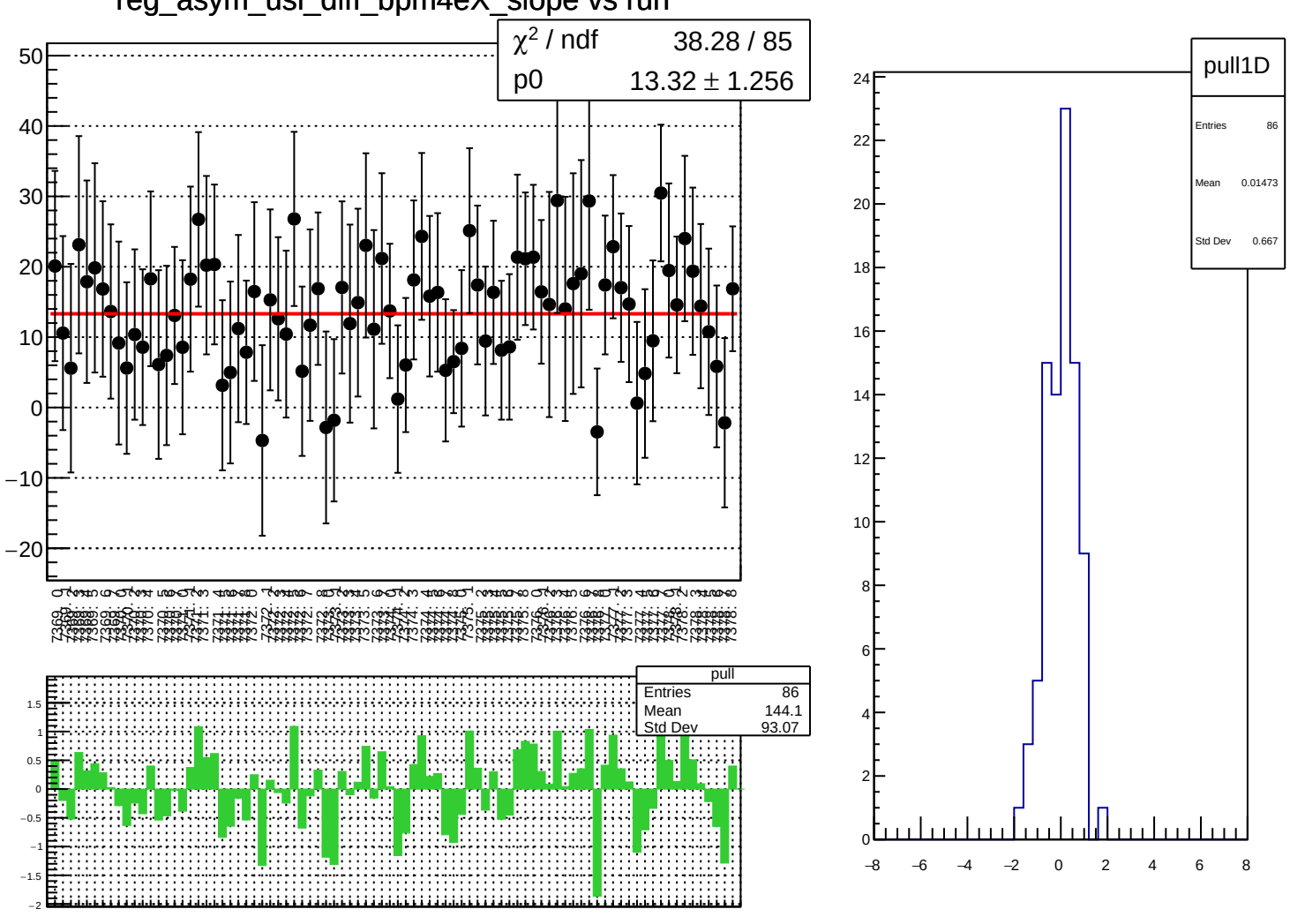

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 1903 / 85
p0 0.2238 ± 0.008846
pull
Entries 86
Mean 471.6
Std Dev 426.1
pull1D
Entries 86
Mean 0.1391
Std Dev 4.644

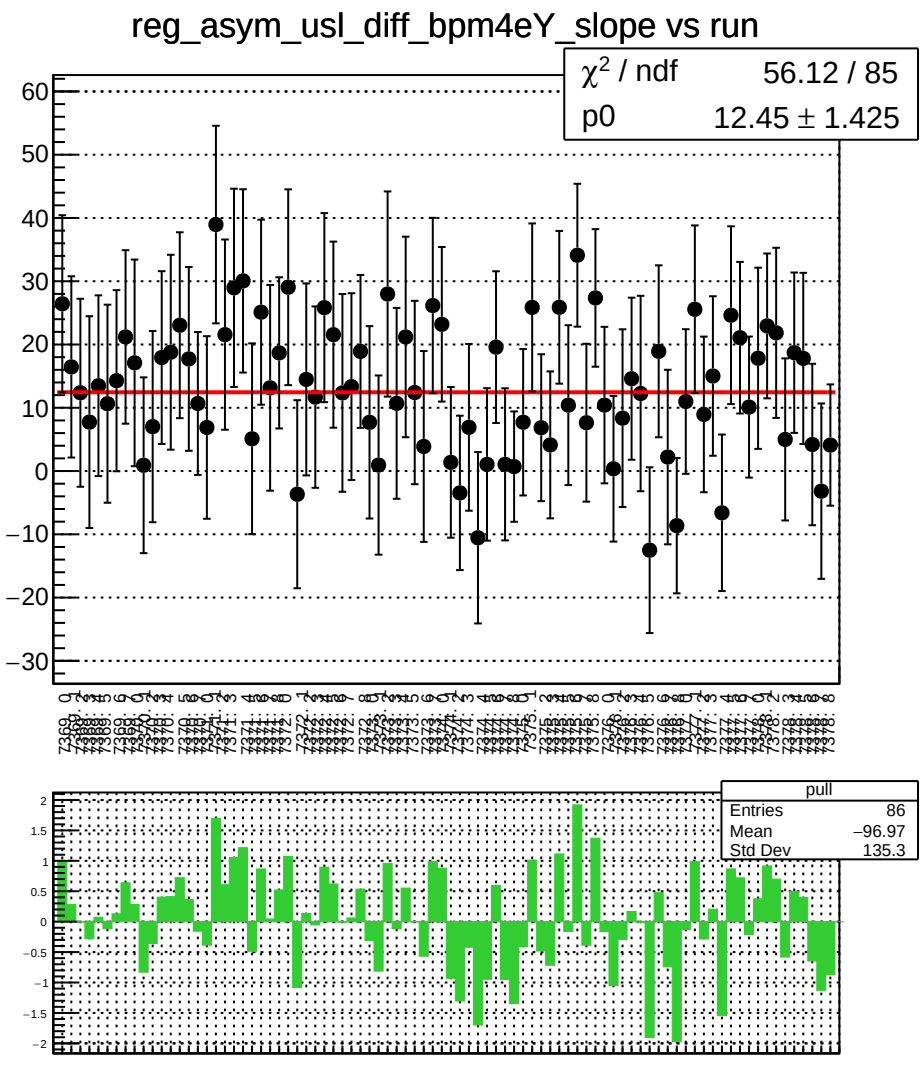

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 37.29 / 85
p0 −67.88 ± 1.208
pull
Entries 86
Mean 175.2
Std Dev 126.3

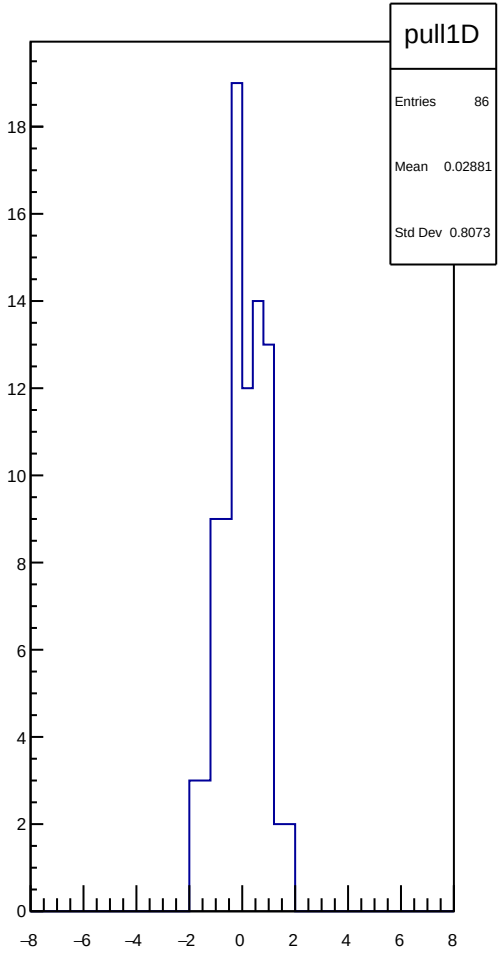

pull1D
Entries 86
Mean −0.012
Std Dev 0.6584

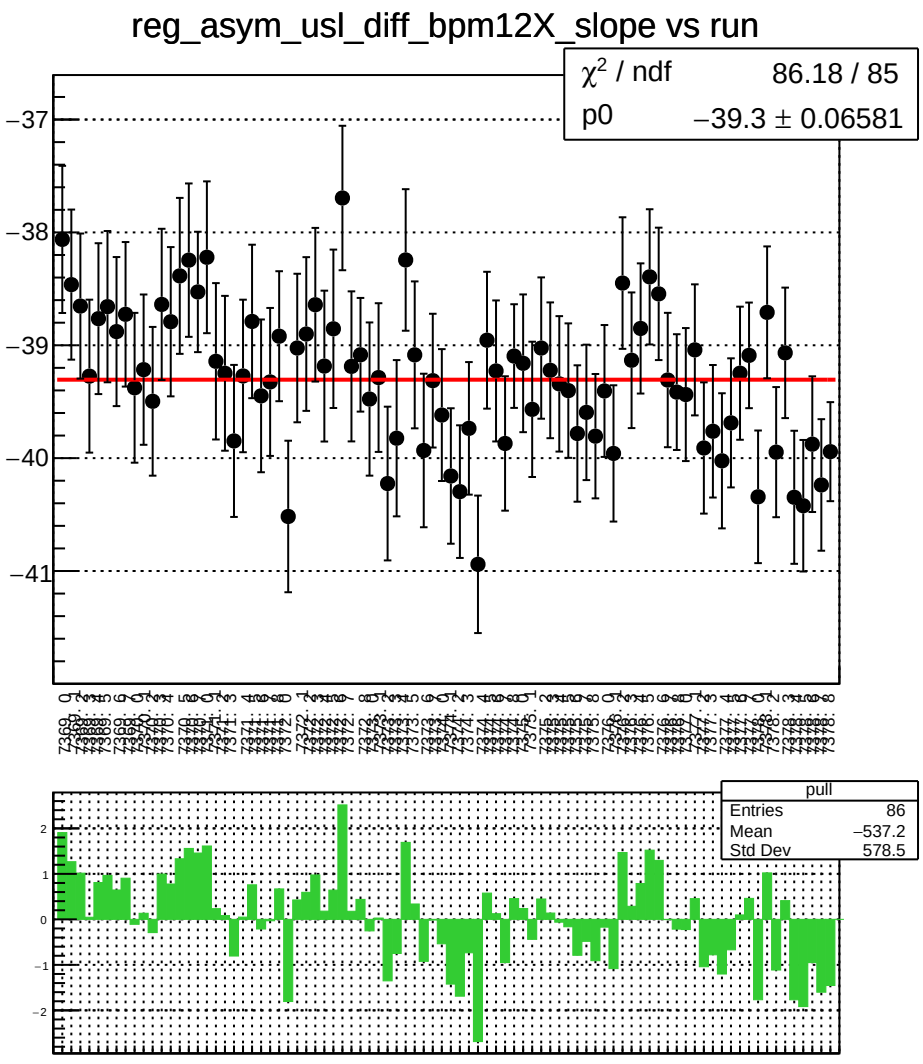

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 54.33 / 85
p0 6.989 ± 1.336
pull
Entries 86
Mean −32.15
Std Dev 57.54

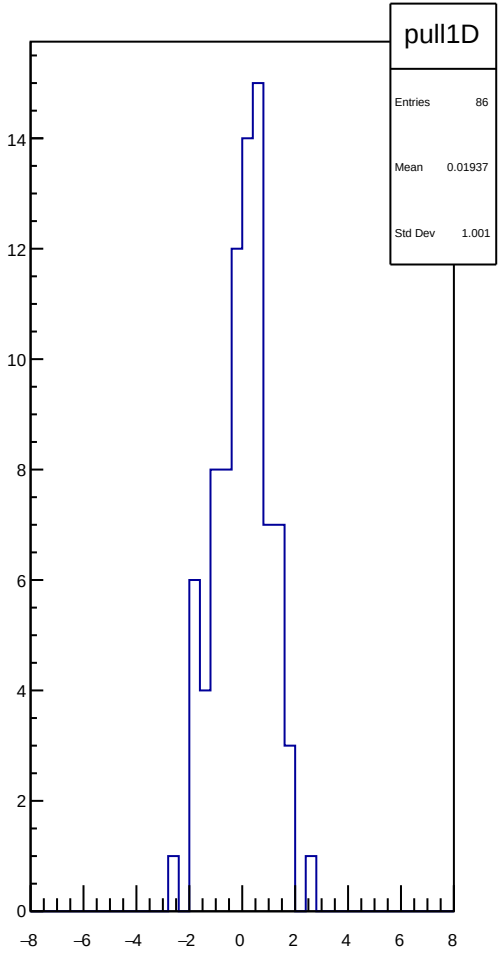

pull1D
Entries 86
Mean −0.02614
Std Dev 0.7944

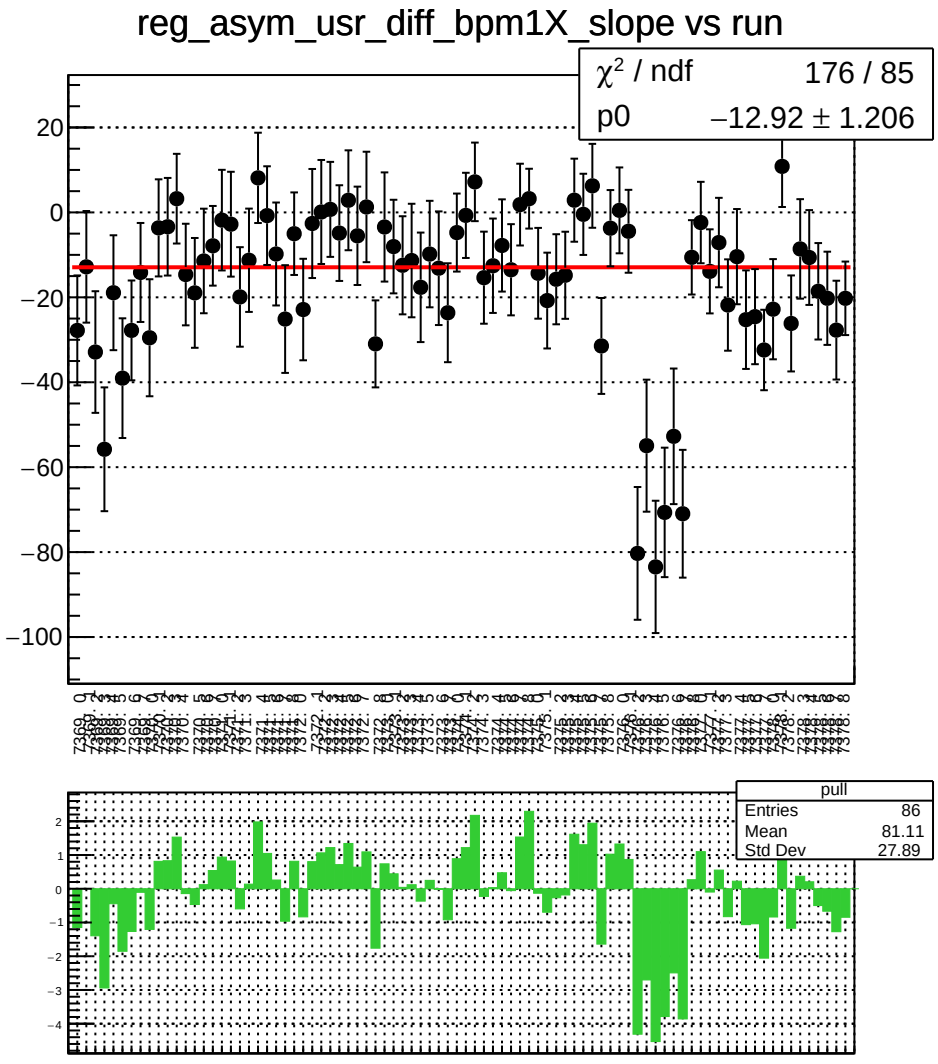

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 38.28 / 85
p0 13.32 ± 1.256
pull
Entries 86
Mean 144.1
Std Dev 93.07
pull1D
Entries 86
Mean 0.01473
Std Dev 0.667

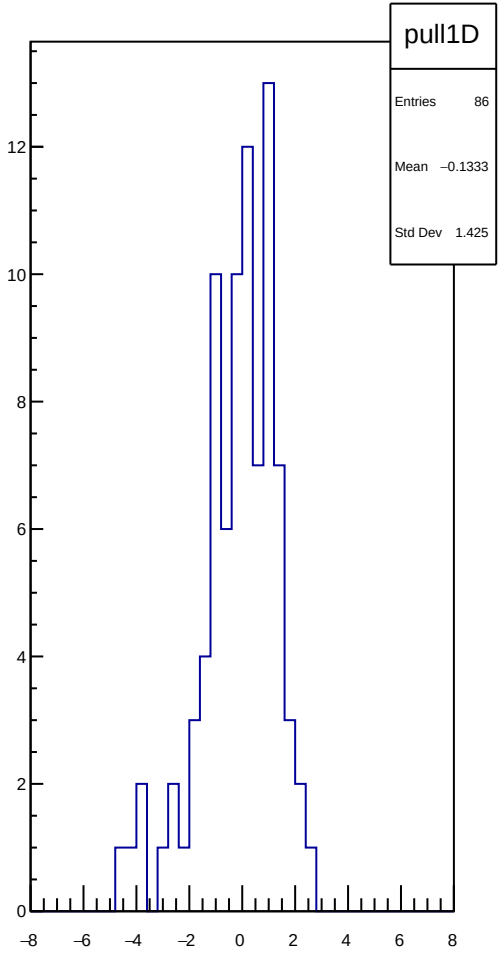

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 56.12 / 85
p0 12.45 ± 1.425
pull
Entries 86
Mean −96.97
Std Dev 135.3

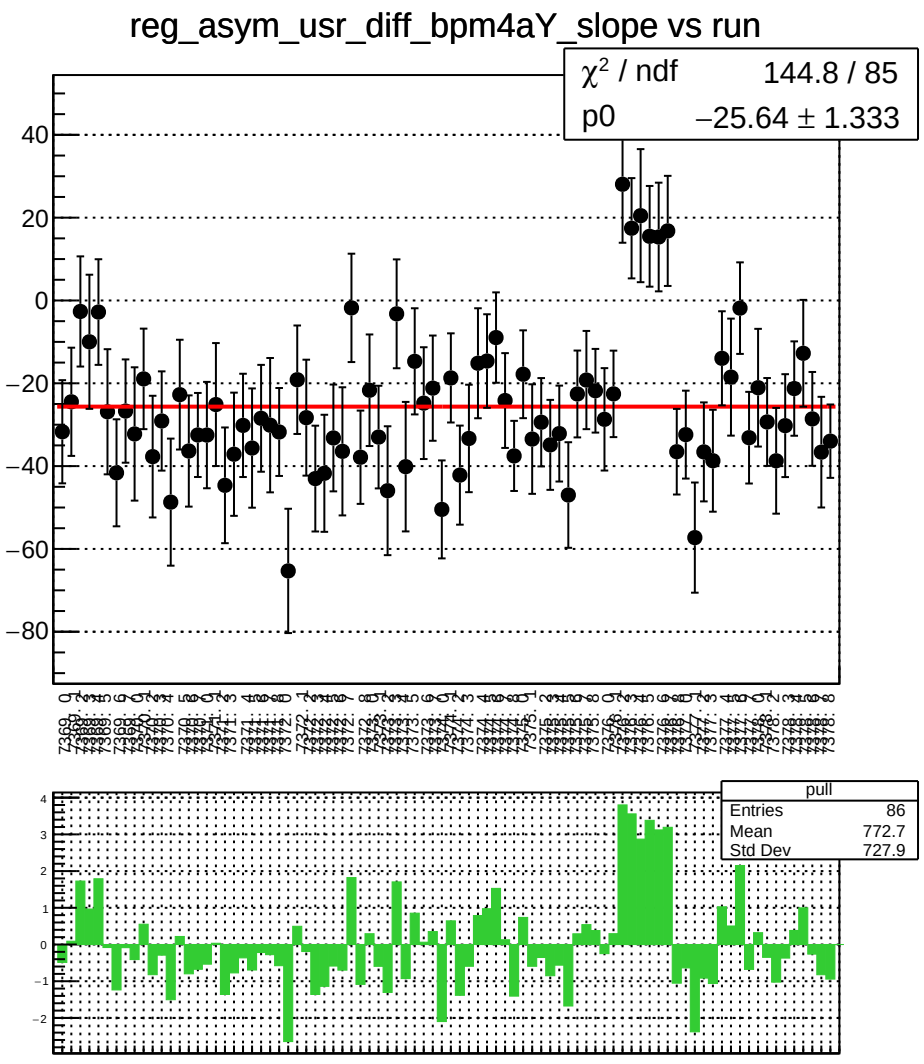

pull1D
Entries 86
Mean 0.02881
Std Dev 0.8073

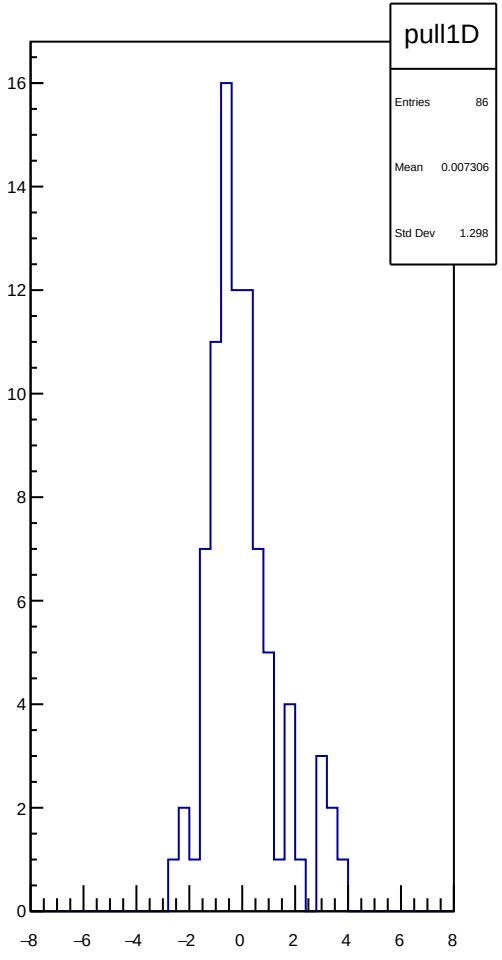

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 86.18 / 85
p0 −39.3 ± 0.06581
pull
Entries 86
Mean −537.2
Std Dev 578.5

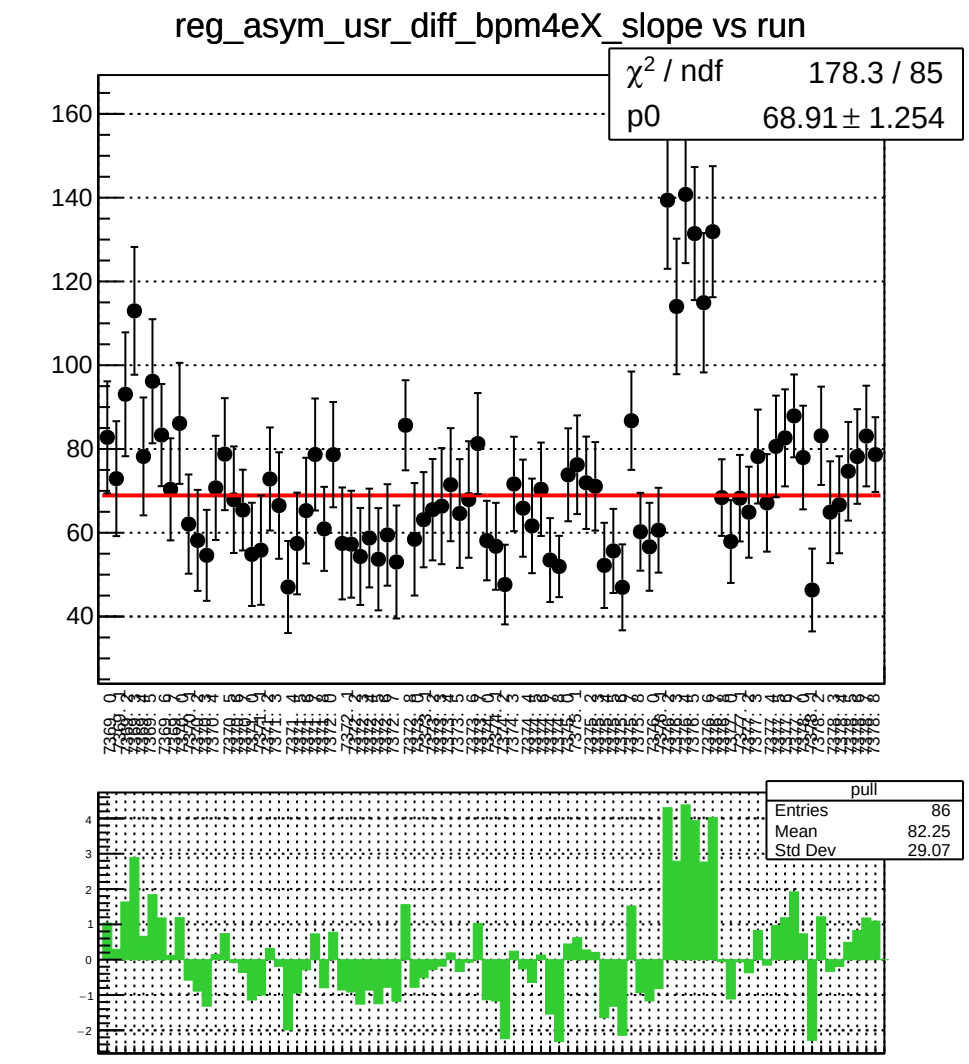

pull1D
Entries 86
Mean 0.01937
Std Dev 1.001

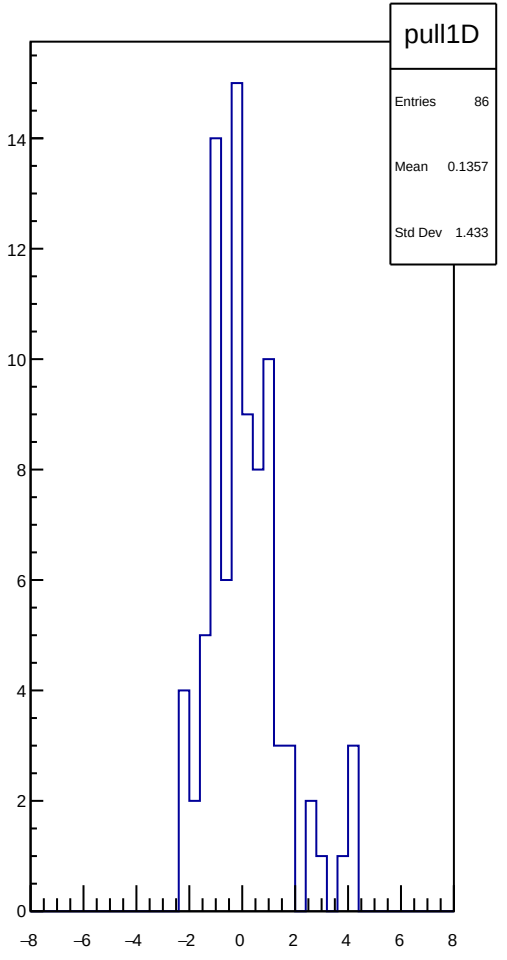

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 176 / 85
p0 −12.92 ± 1.206
pull
Entries 86
Mean 81.11
Std Dev 27.89

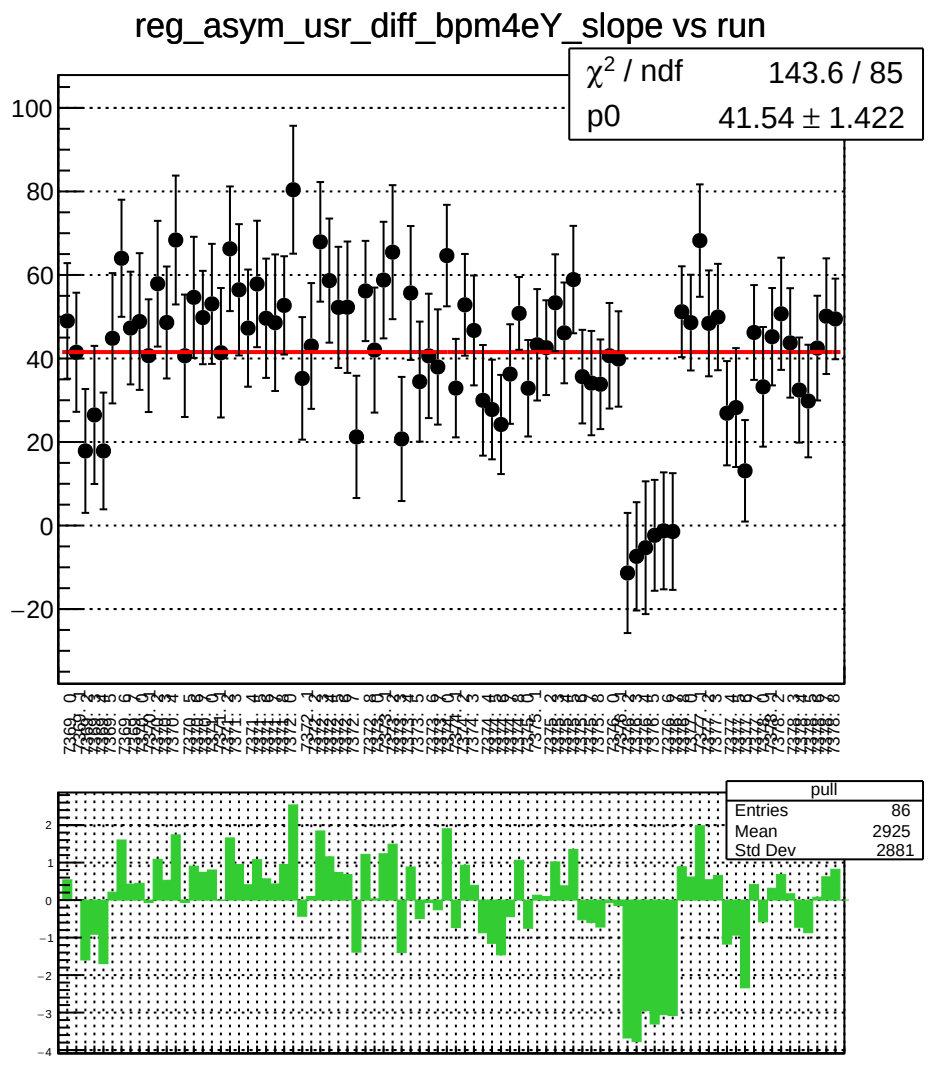

pull1D
Entries 86
Mean −0.1333
Std Dev 1.425

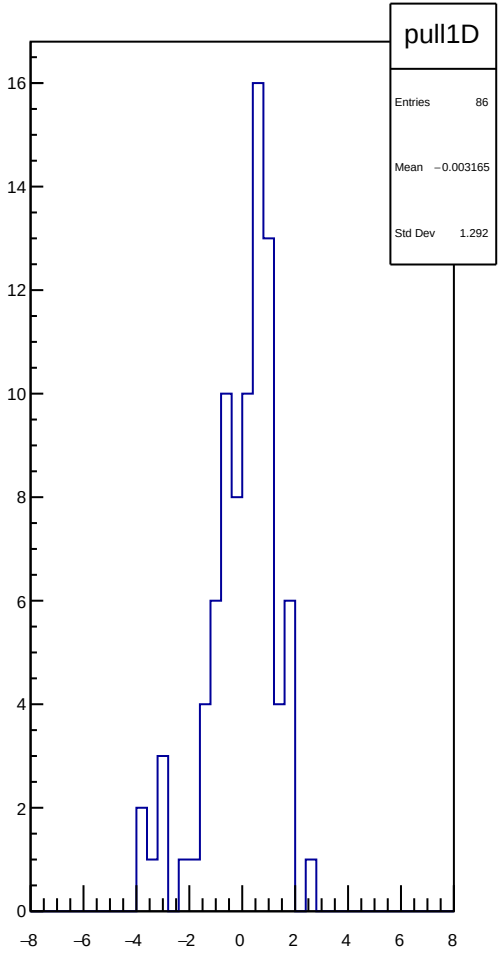

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 144.8 / 85
p0 −25.64 ± 1.333
pull
Entries 86
Mean 772.7
Std Dev 727.9

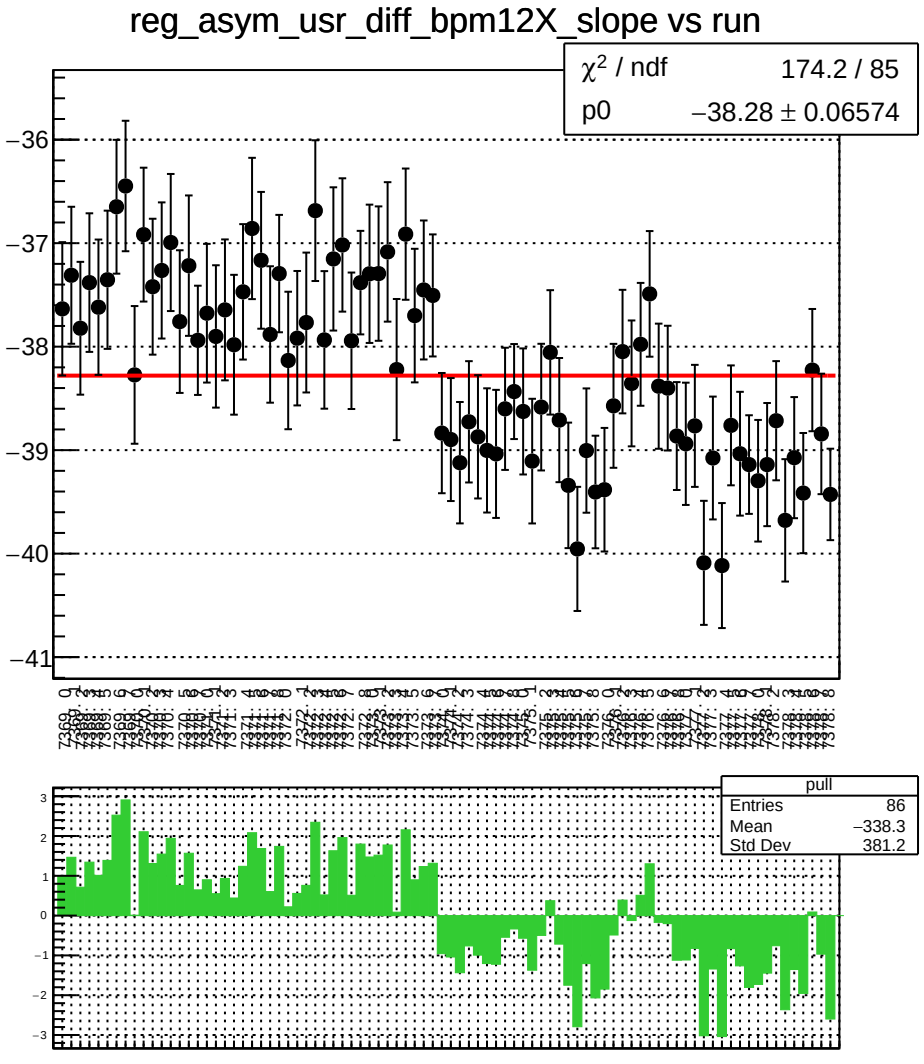

pull1D
Entries 86
Mean 0.007306
Std Dev 1.298

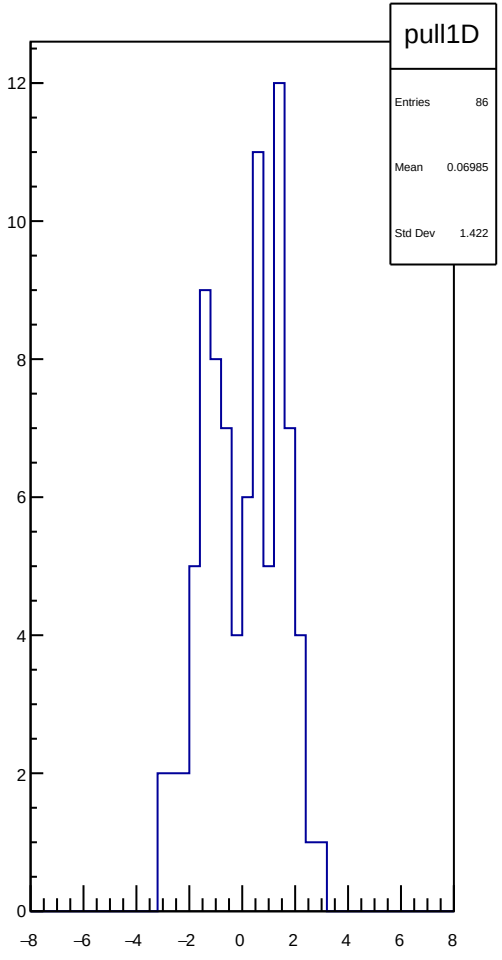

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 178.3 / 85
p0 68.91 ± 1.254
pull
Entries 86
Mean 82.25
Std Dev 29.07

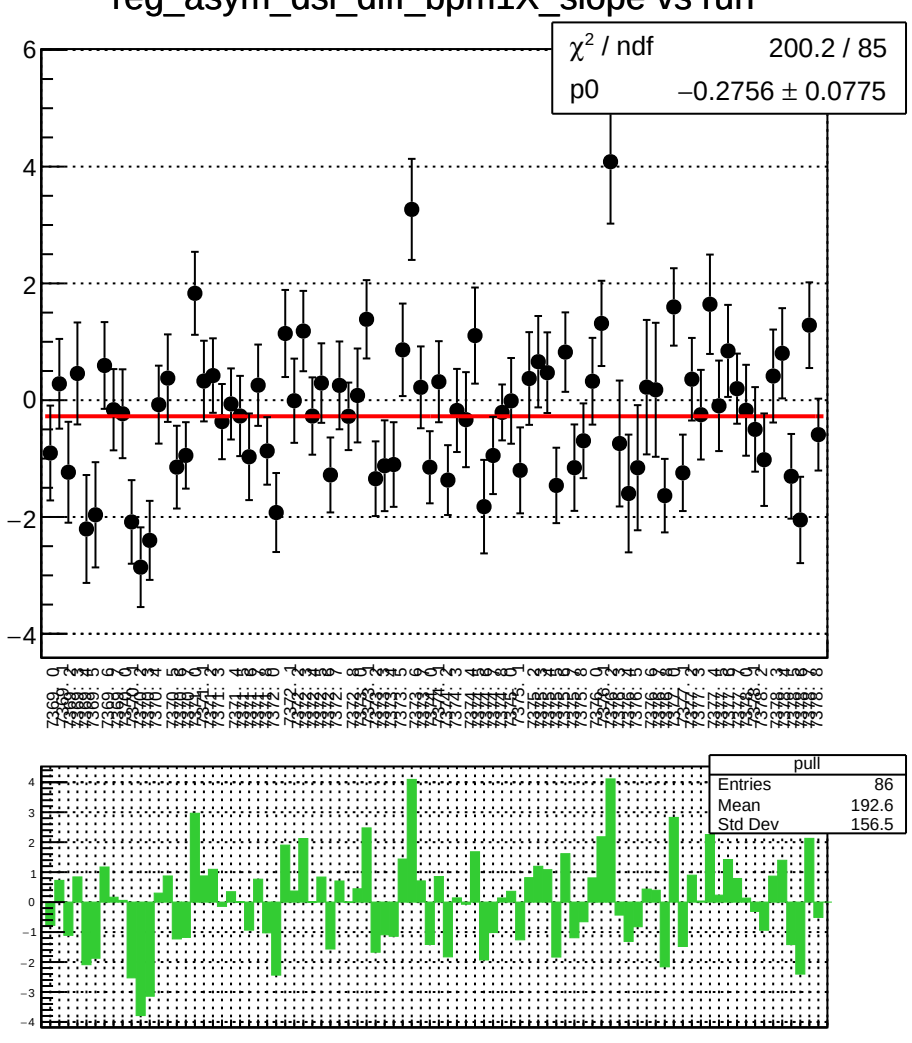

pull1D
Entries 86
Mean 0.1357
Std Dev 1.433

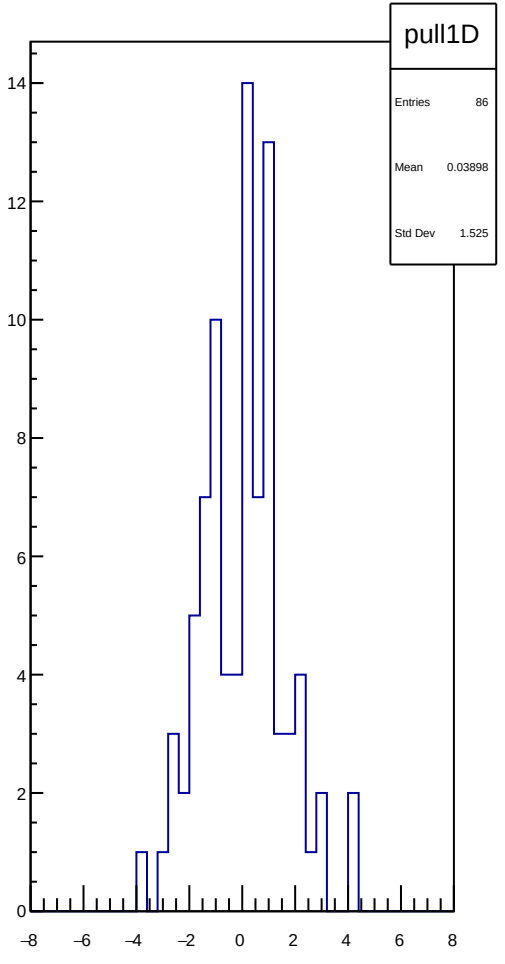

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 143.6 / 85
p0 41.54 ± 1.422
pull
Entries 86
Mean 2925
Std Dev 2881

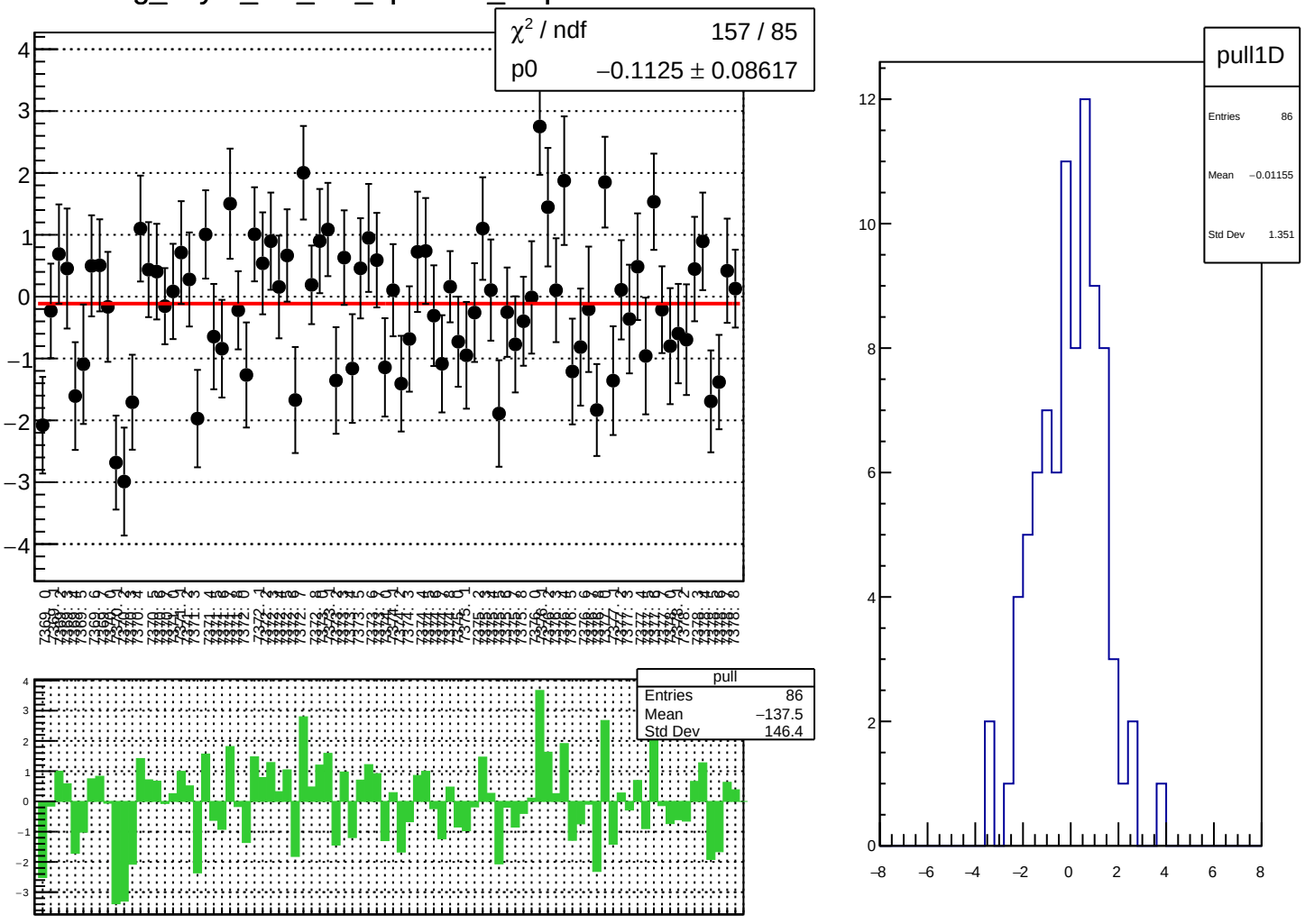

pull1D
Entries 86
Mean −0.003165
Std Dev 1.292

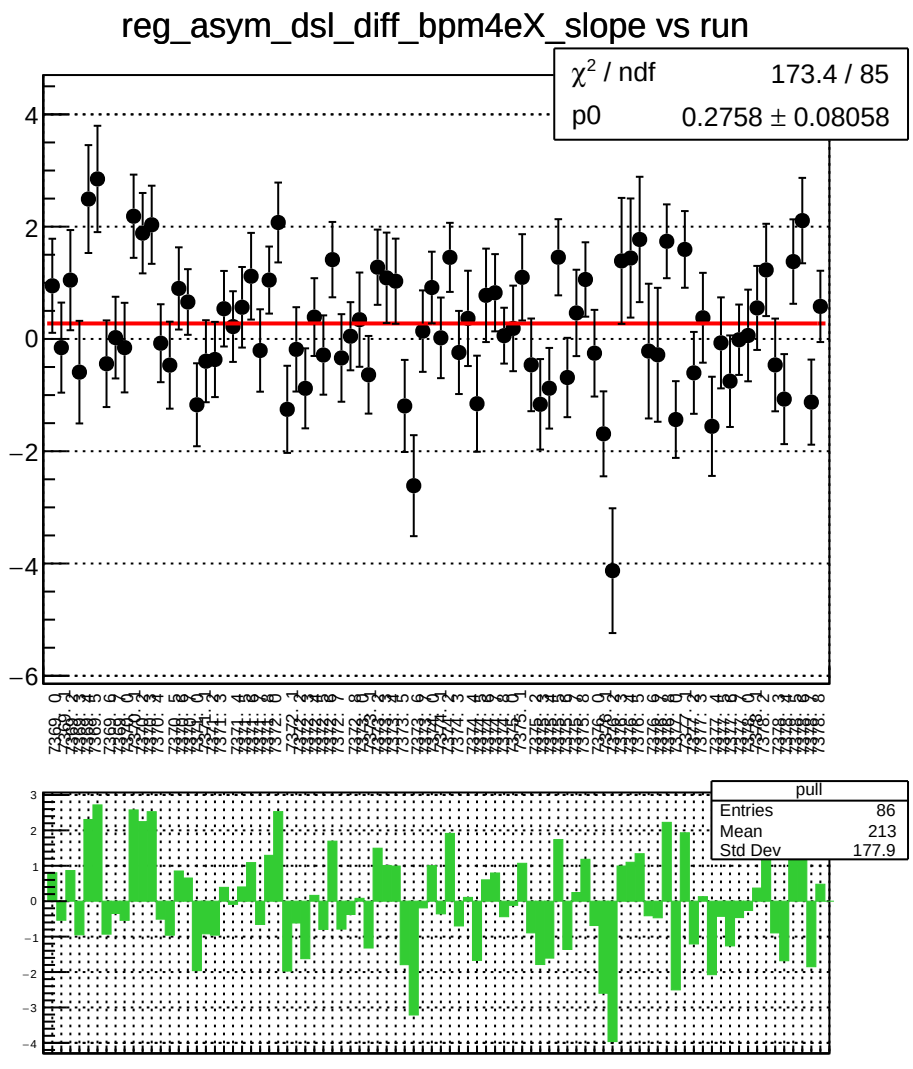

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 174.2 / 85
p0 −38.28 ± 0.06574
pull
Entries 86
Mean −338.3
Std Dev 381.2

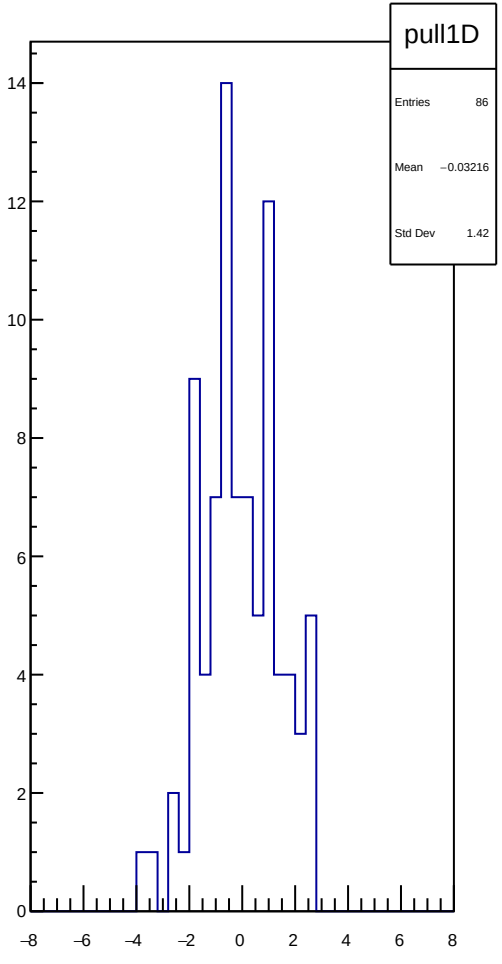

pull1D
Entries 86
Mean 0.06985
Std Dev 1.422

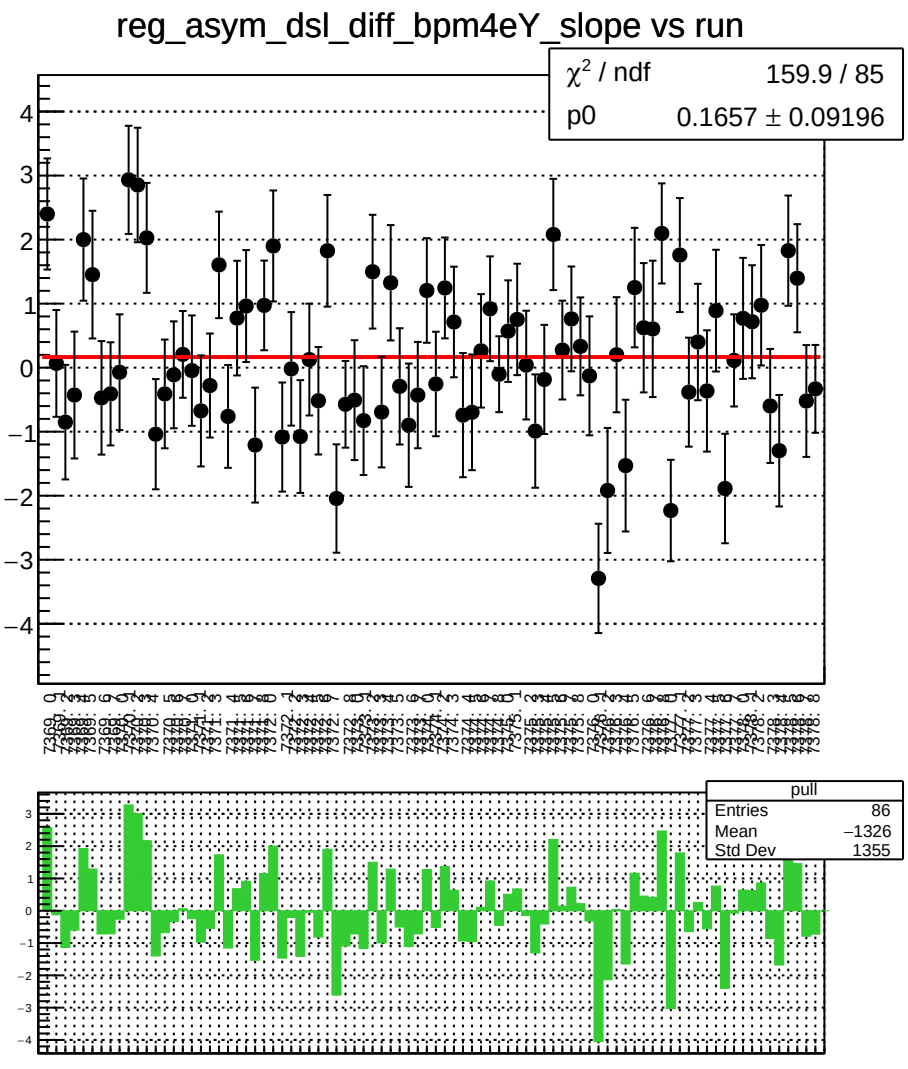

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 200.2 / 85
p0 −0.2756 ± 0.0775
pull
Entries 86
Mean 192.6
Std Dev 156.5

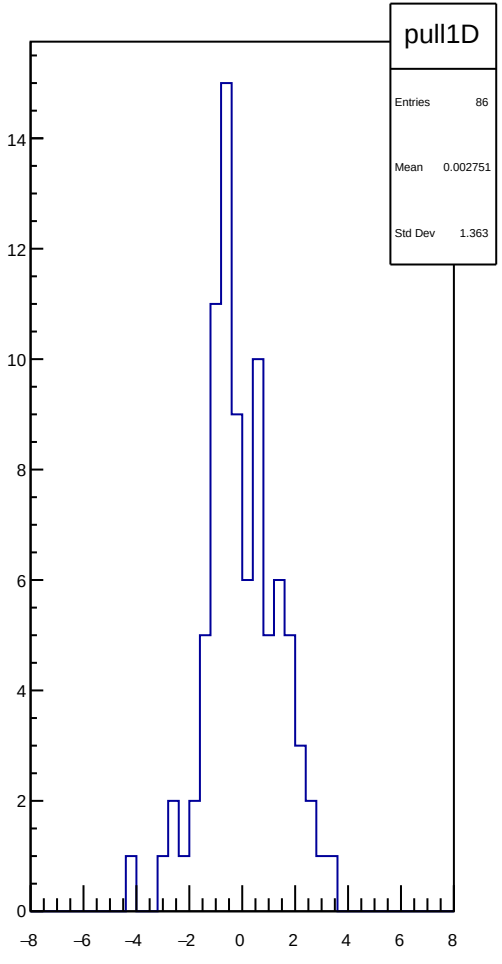

pull1D
Entries 86
Mean 0.03898
Std Dev 1.525

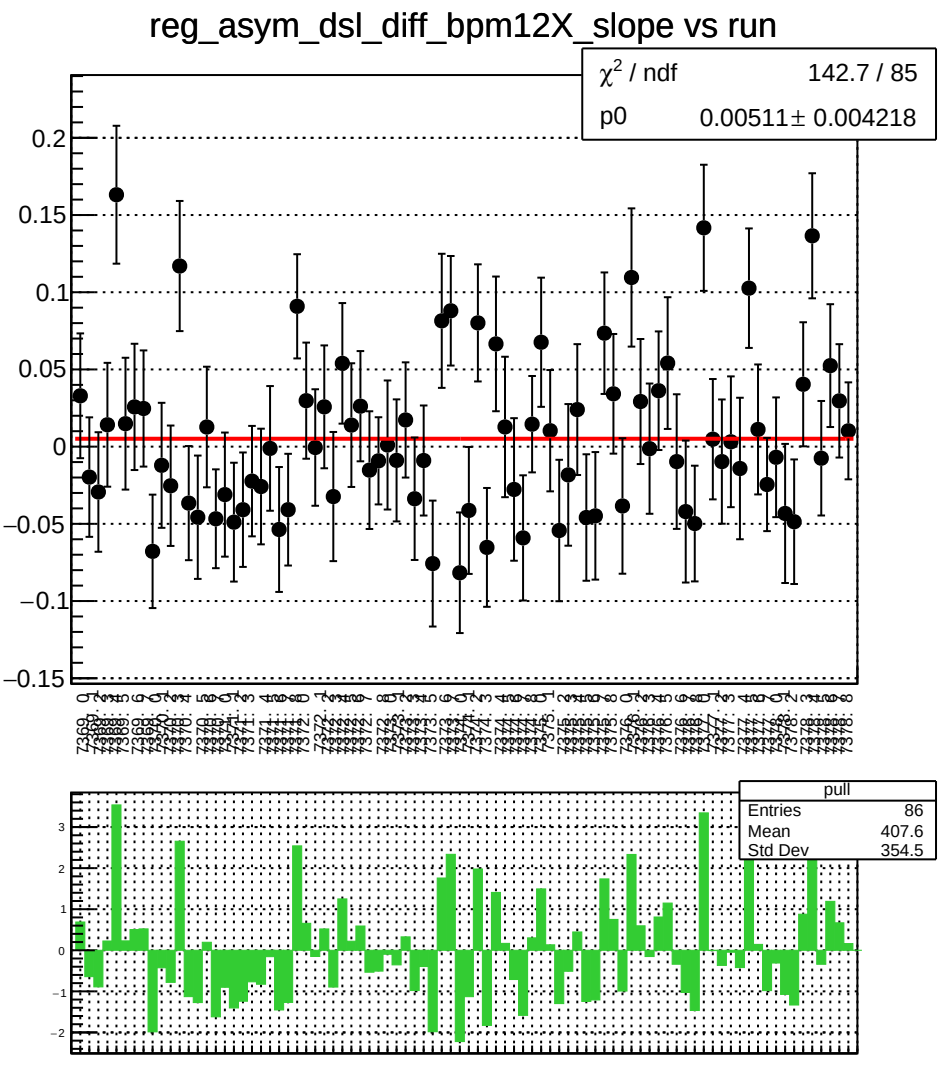

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 157 / 85
p0 −0.1125 ± 0.08617
pull
Entries 86
Mean −137.5
Std Dev 146.4
pull1D
Entries 86
Mean −0.01155
Std Dev 1.351

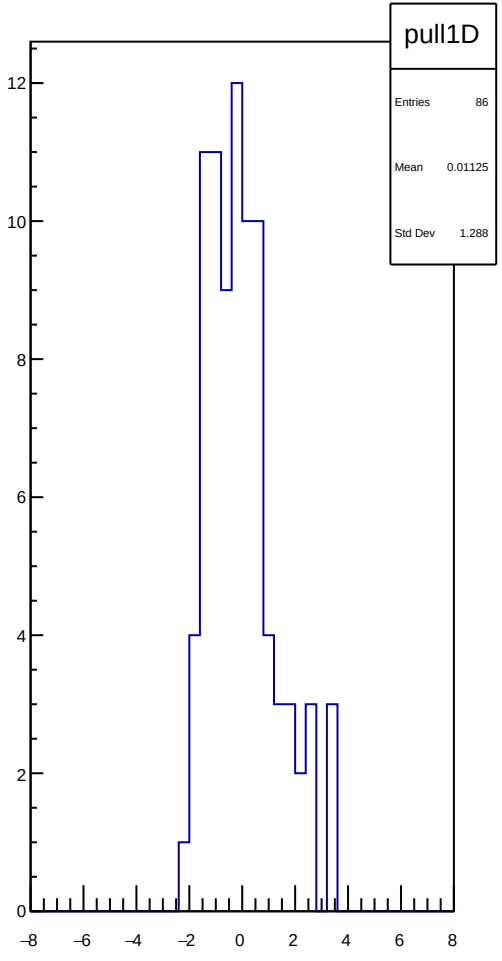

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 173.4 / 85
p0 0.2758 ± 0.08058
pull
Entries 86
Mean 213
Std Dev 177.9

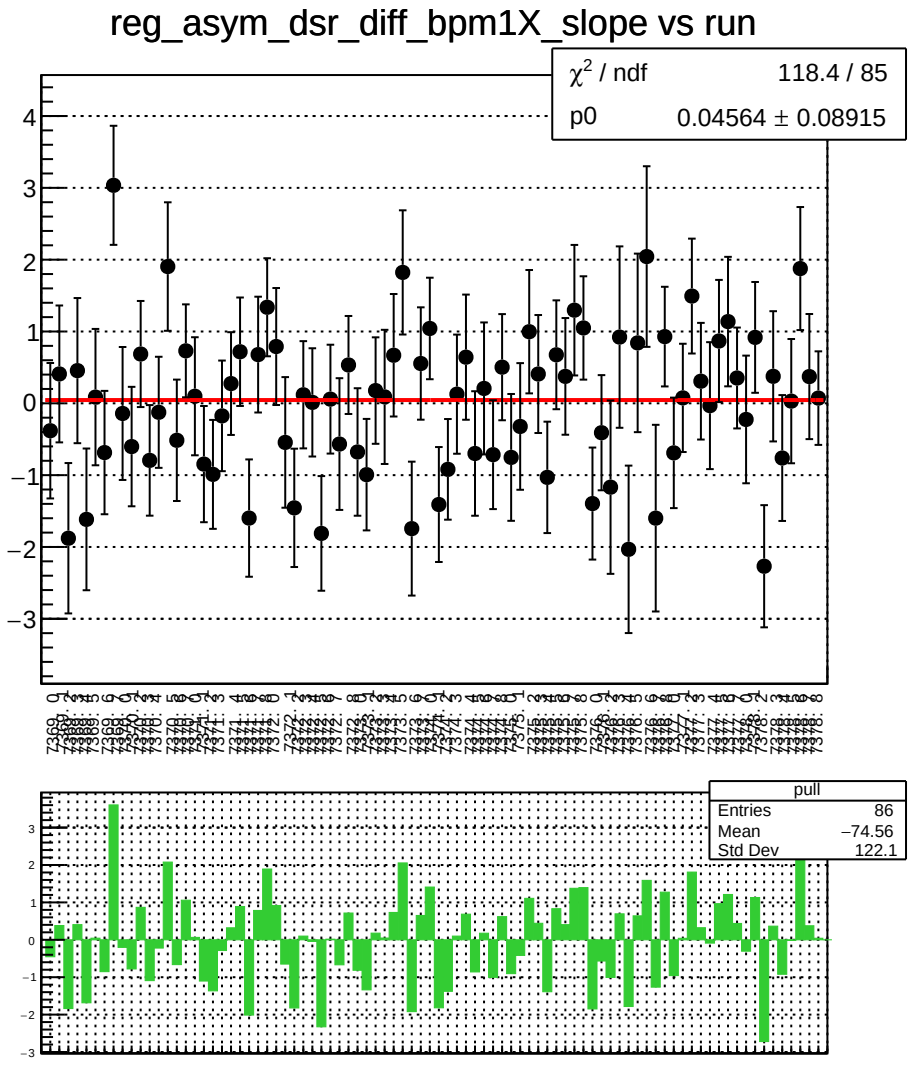

pull1D
Entries 86
Mean −0.03216
Std Dev 1.42

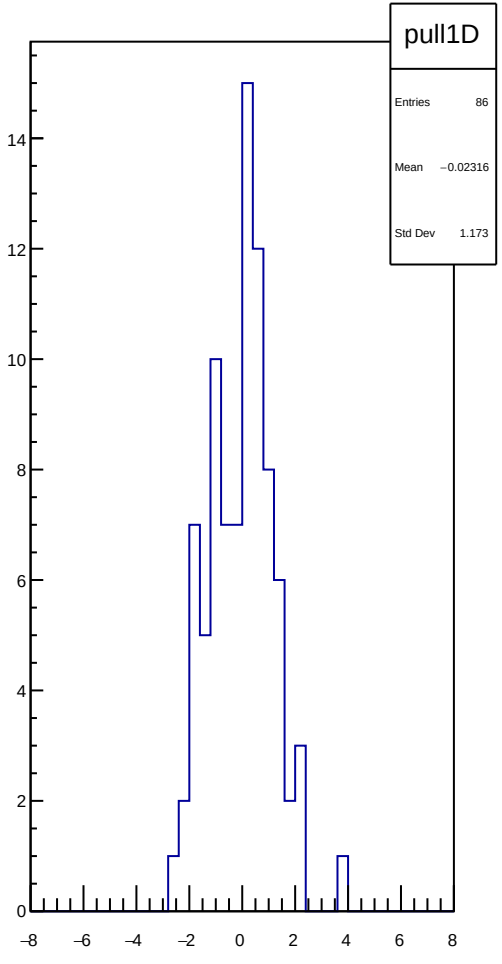

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 159.9 / 85
p0 0.1657 ± 0.09196
pull
Entries 86
Mean −1326
Std Dev 1355

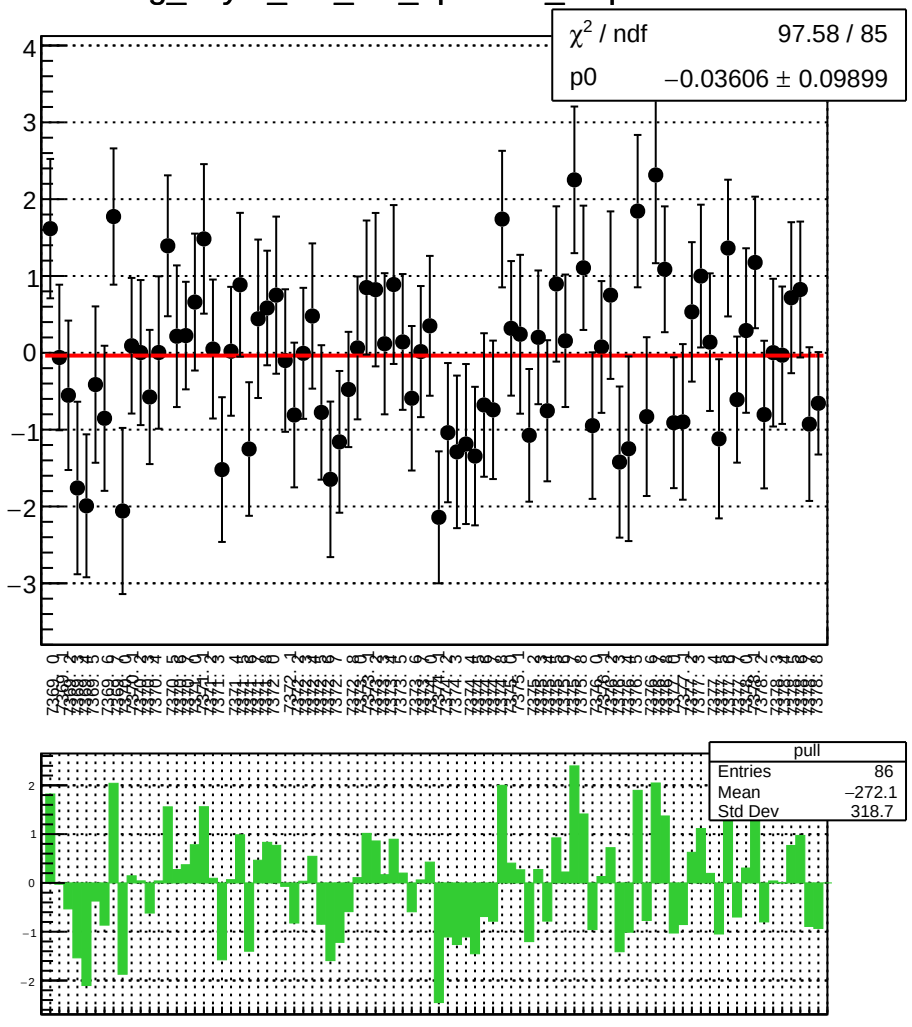

pull1D
Entries 86
Mean 0.002751
Std Dev 1.363

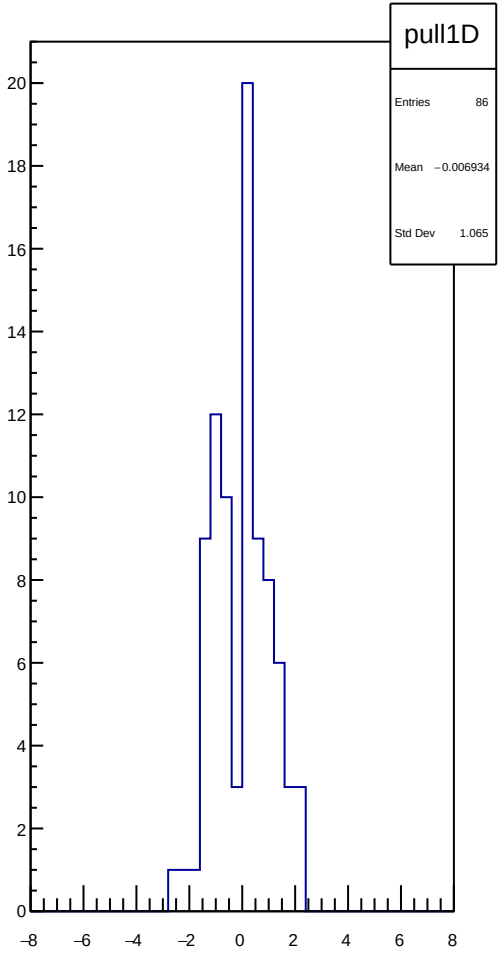

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 142.7 / 85
p0 0.00511± 0.004218
pull
Entries 86
Mean 407.6
Std Dev 354.5

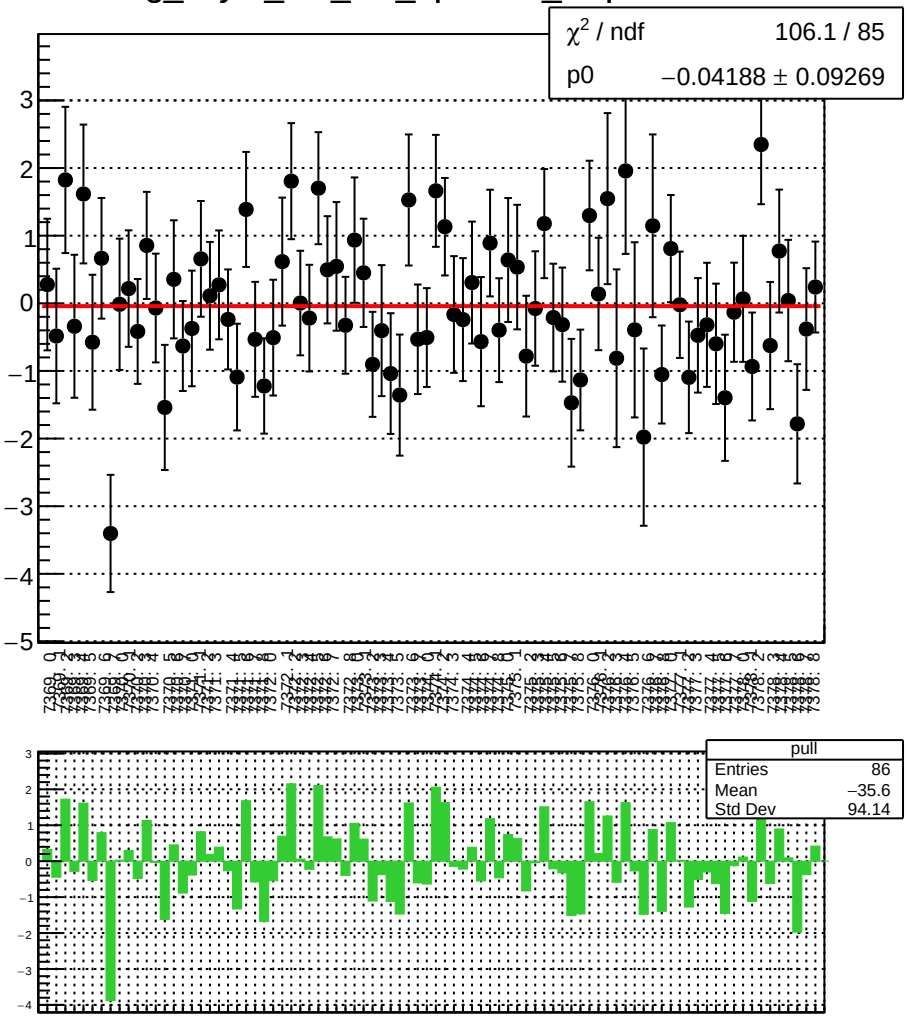

pull1D
Entries 86
Mean 0.01125
Std Dev 1.288

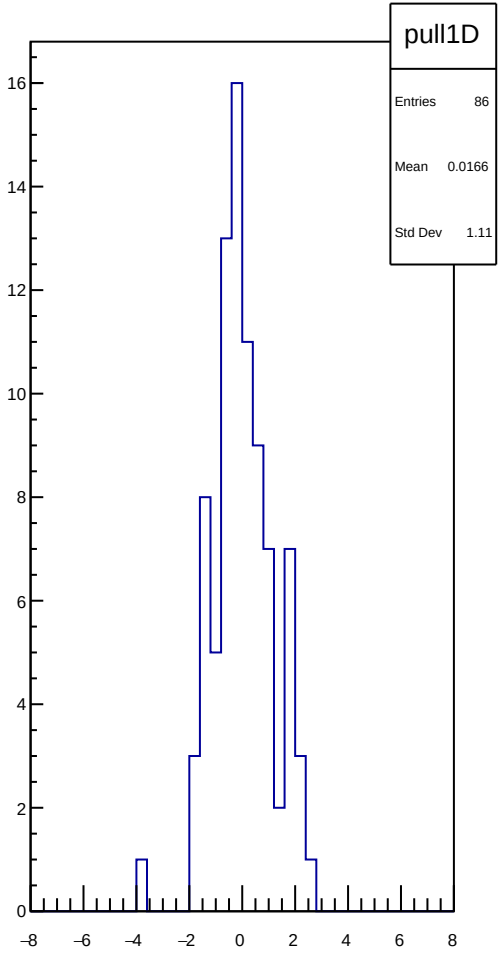

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 118.4 / 85
p0 0.04564 ± 0.08915
pull
Entries 86
Mean −74.56
Std Dev 122.1

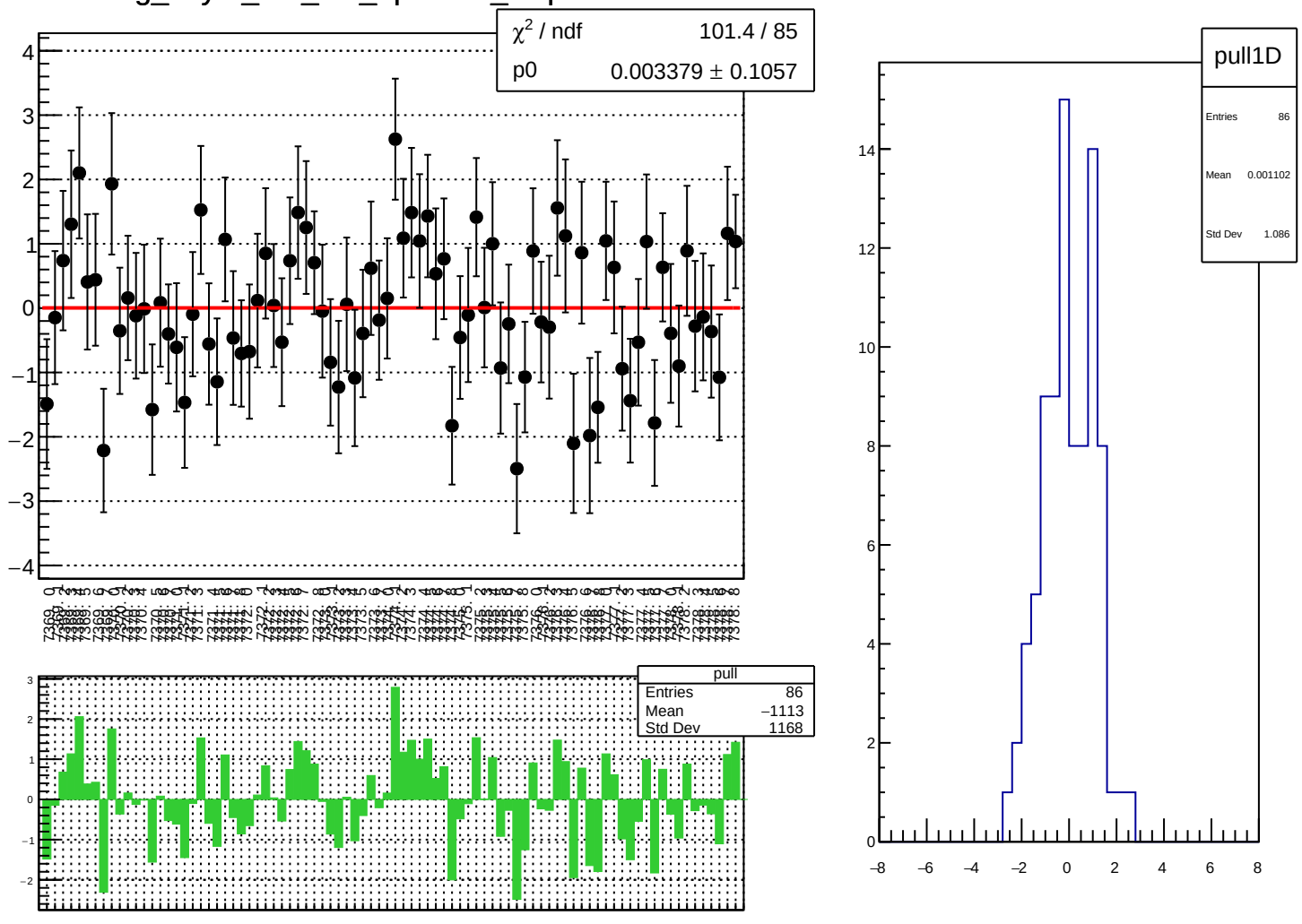

pull1D
Entries 86
Mean −0.02316
Std Dev 1.173

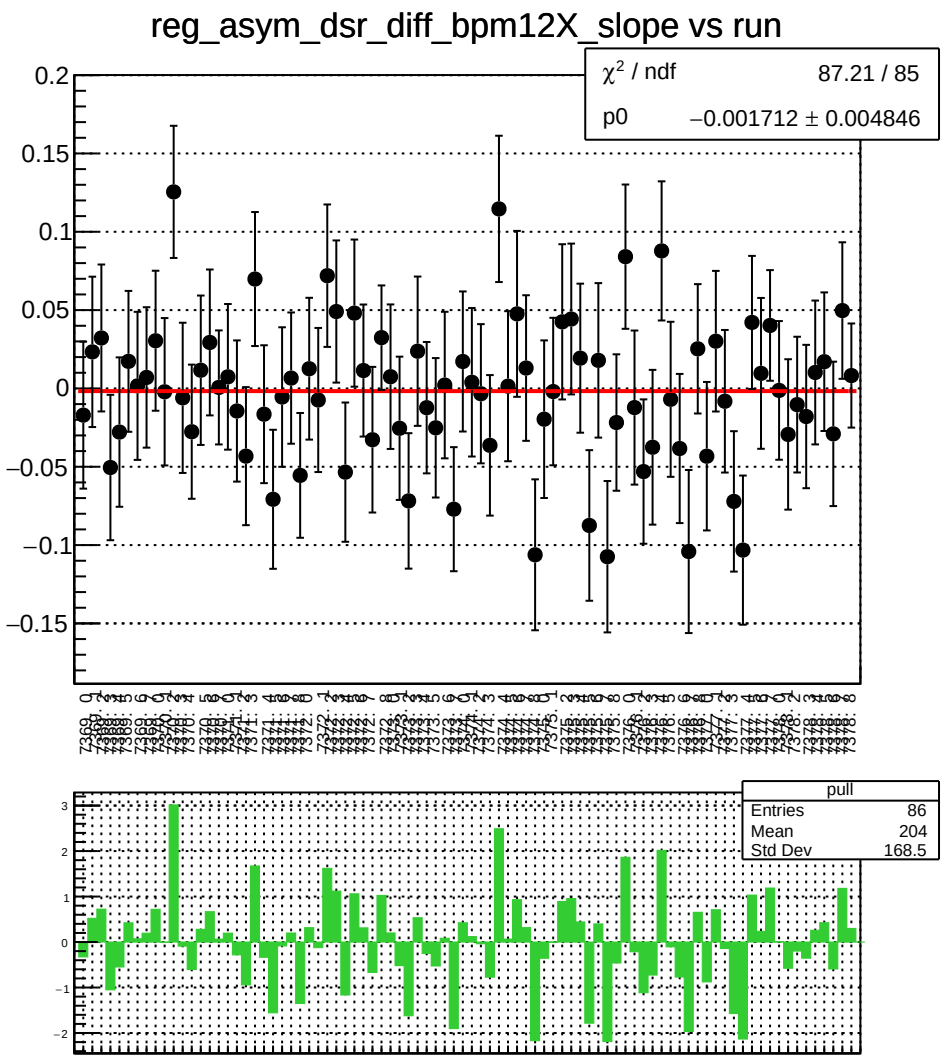

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 97.58 / 85
p0 −0.03606 ± 0.09899
pull
Entries 86
Mean −272.1
Std Dev 318.7

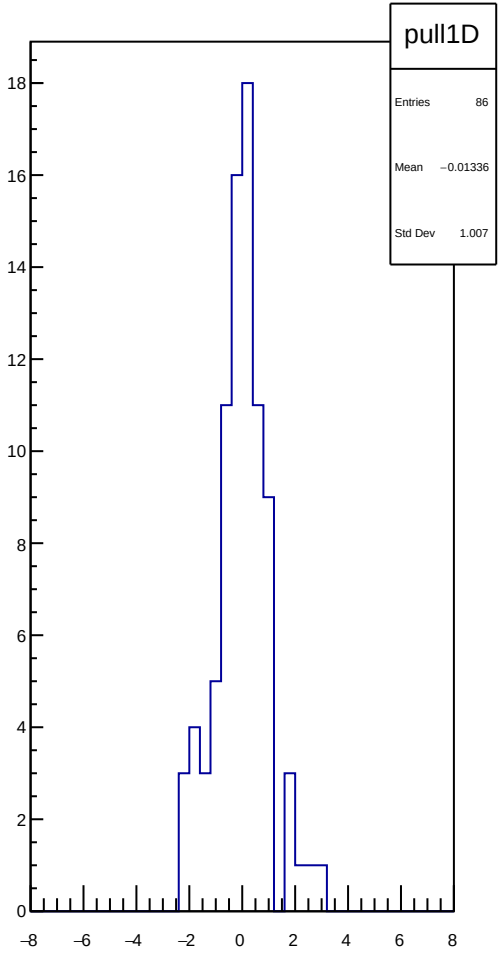

pull1D
Entries 86
Mean −0.006934
Std Dev 1.065

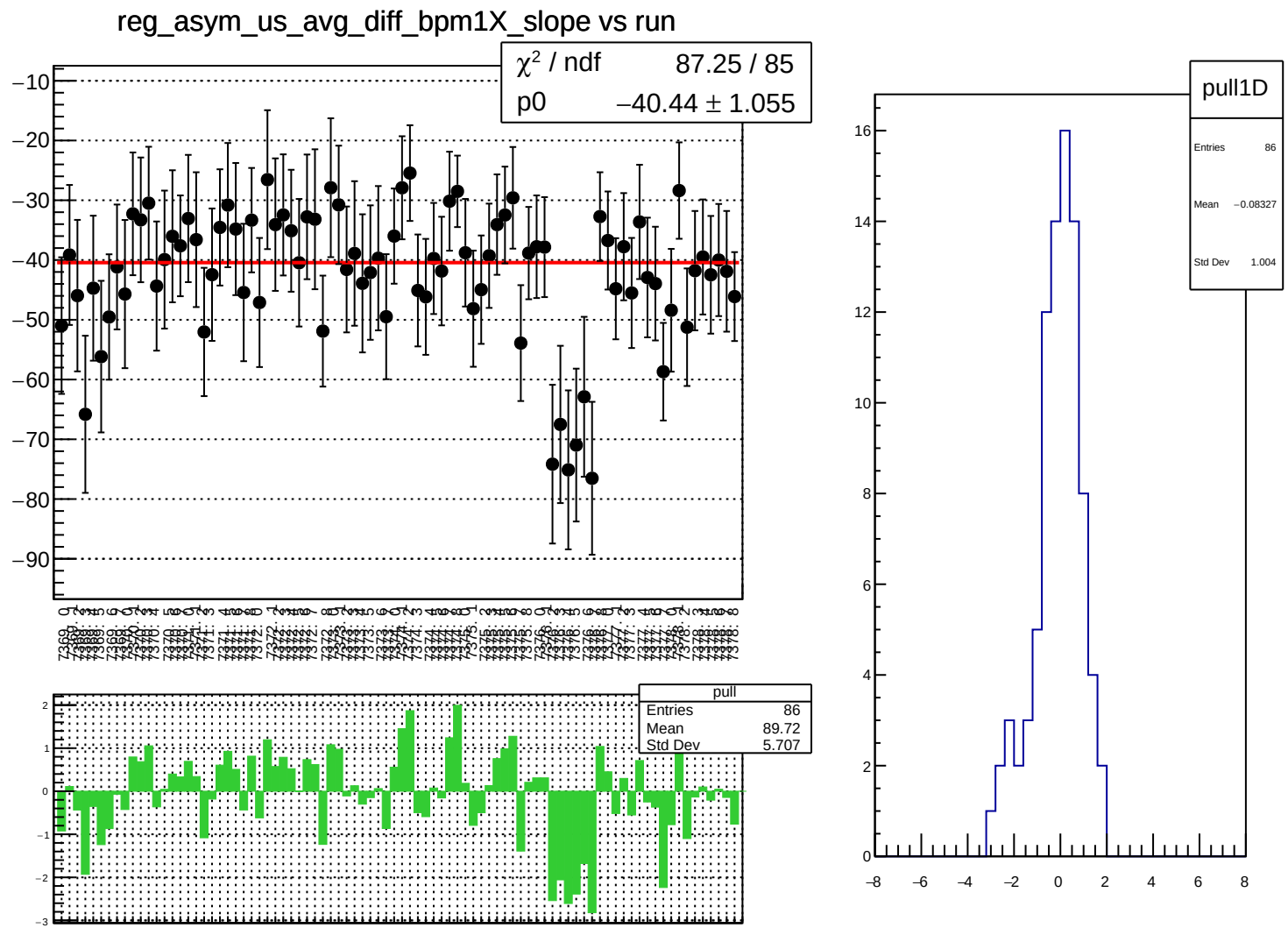

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 106.1 / 85
p0 −0.04188 ± 0.09269
pull
Entries 86
Mean −35.6
Std Dev 94.14

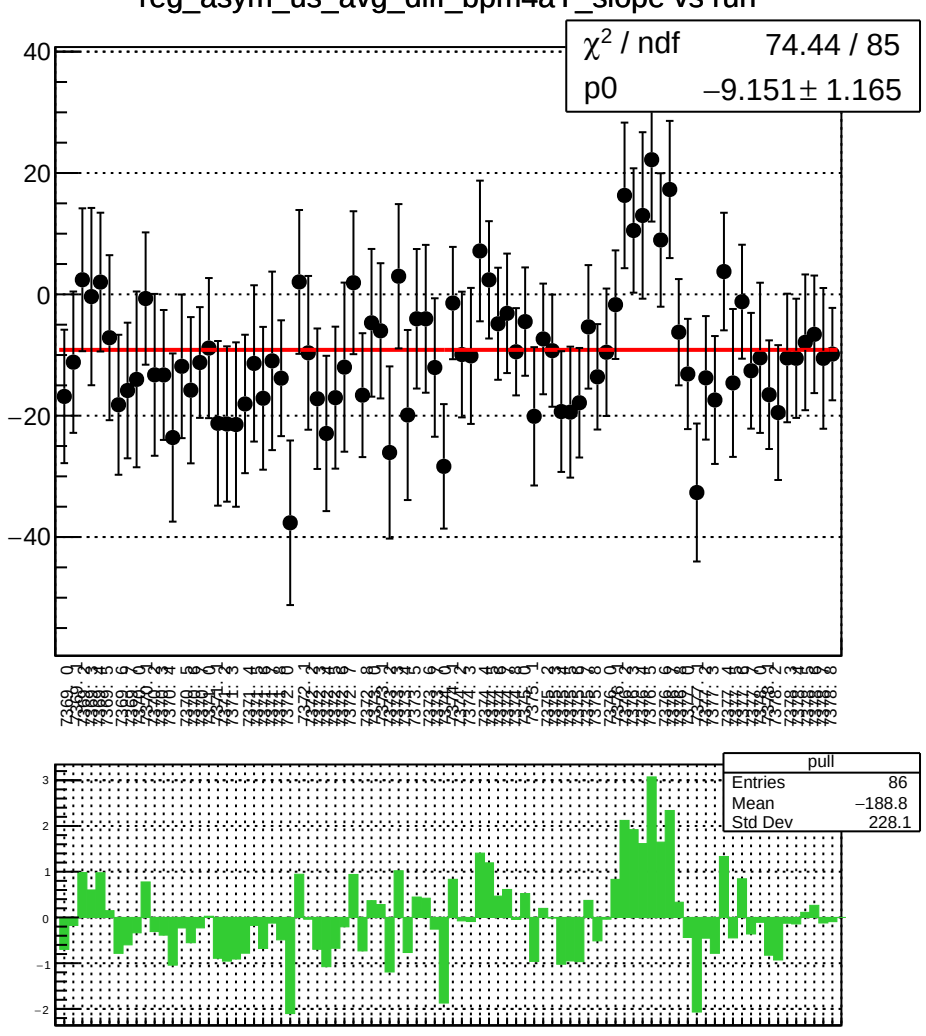

pull1D
Entries 86
Mean 0.0166
Std Dev 1.11

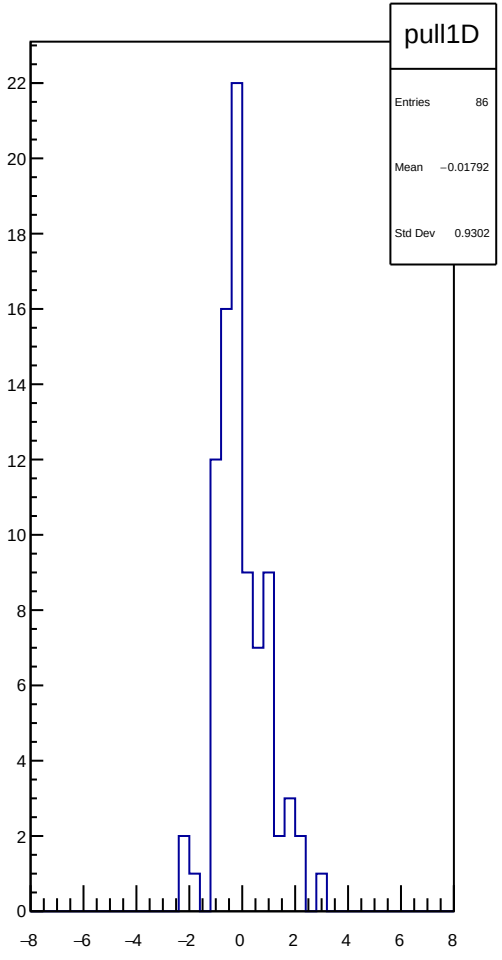

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 101.4 / 85
p0 0.003379 ± 0.1057
pull
Entries 86
Mean −1113
Std Dev 1168
pull1D
Entries 86
Mean 0.001102
Std Dev 1.086

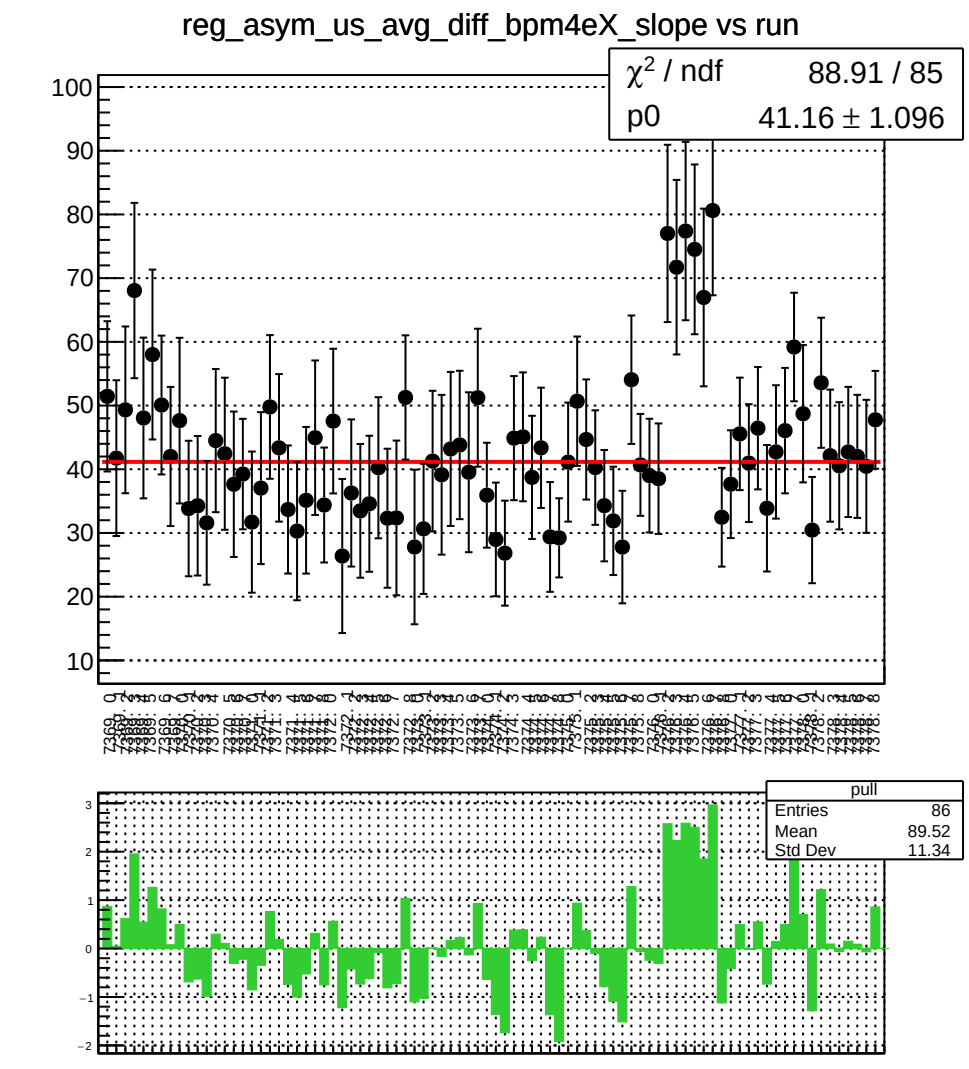

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 87.21 / 85
p0 −0.001712 ± 0.004846
pull
Entries 86
Mean 204
Std Dev 168.5

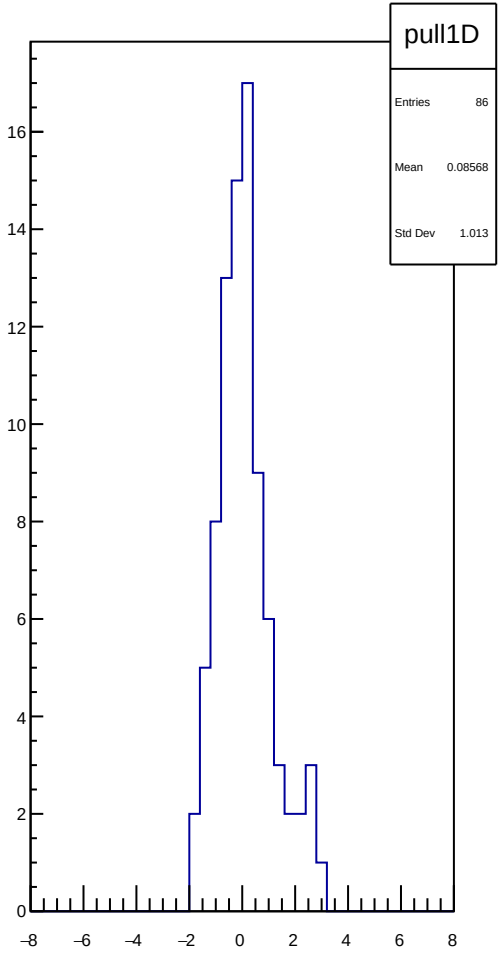

pull1D
Entries 86
Mean −0.01336
Std Dev 1.007

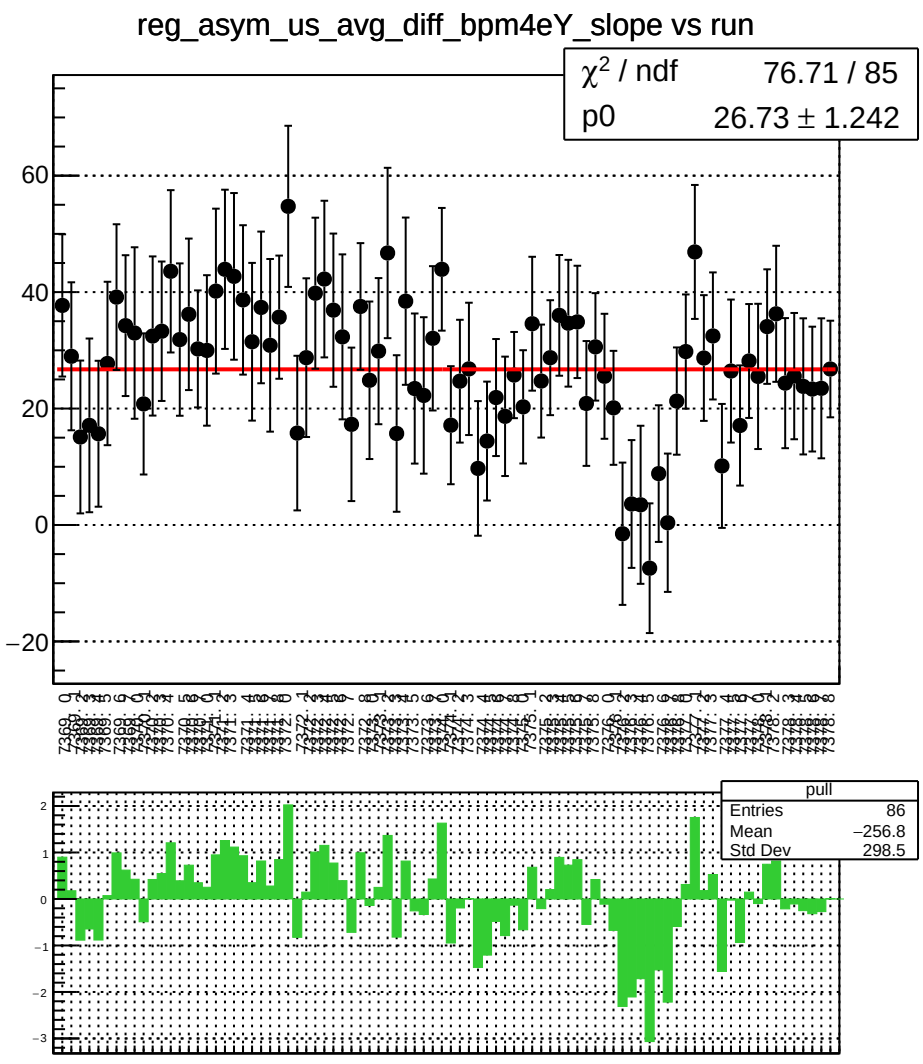

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 87.25 / 85
p0 −40.44 ± 1.055
pull
Entries 86
Mean 89.72
Std Dev 5.707
pull1D
Entries 86
Mean −0.08327
Std Dev 1.004

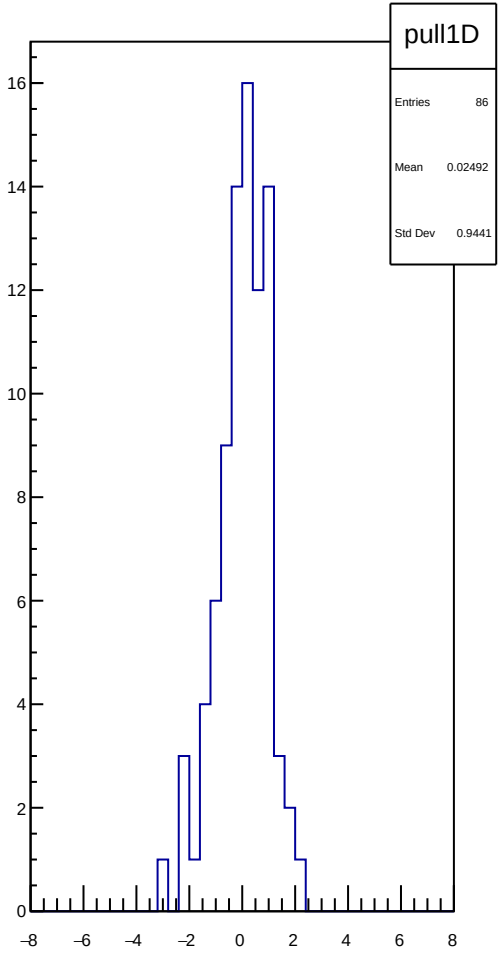

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 74.44 / 85
p0 −9.151 ± 1.165
pull
Entries 86
Mean −188.8
Std Dev 228.1

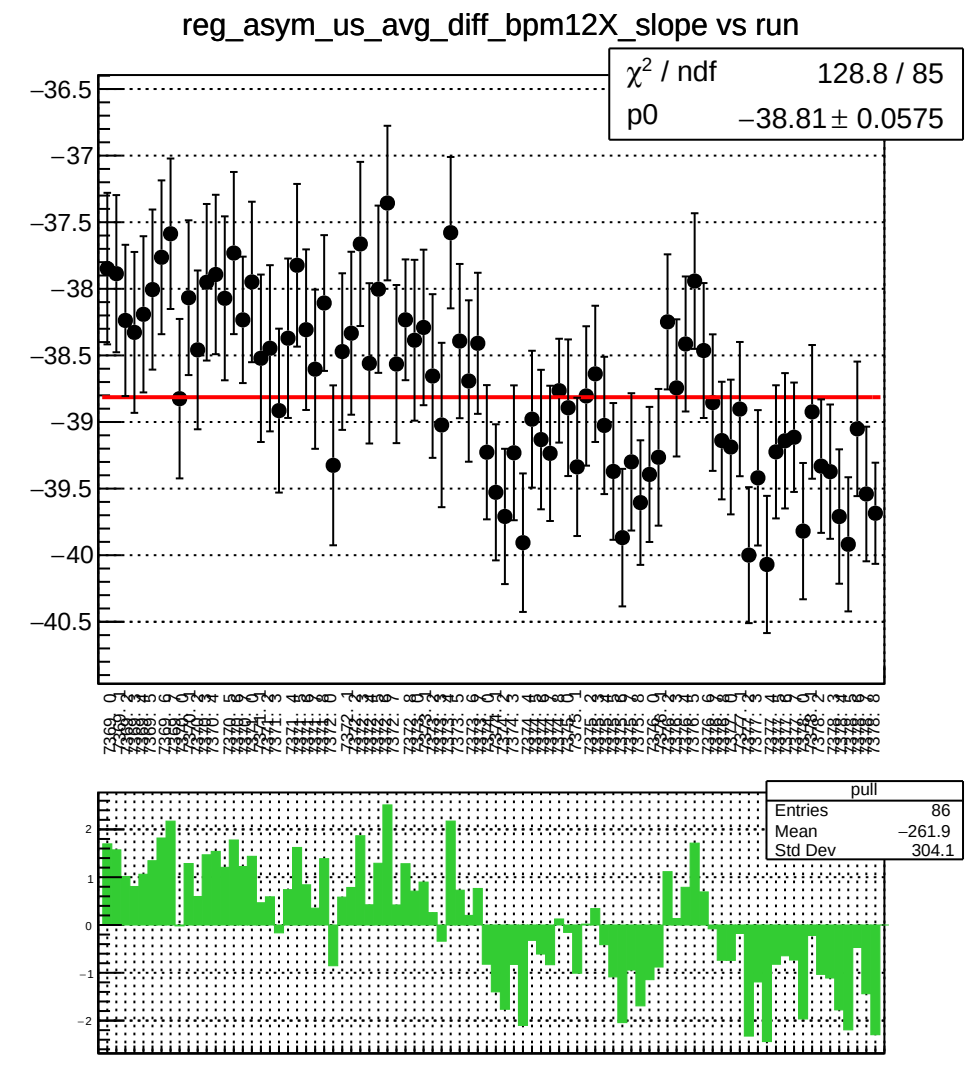

pull1D
Entries 86
Mean −0.01792
Std Dev 0.9302

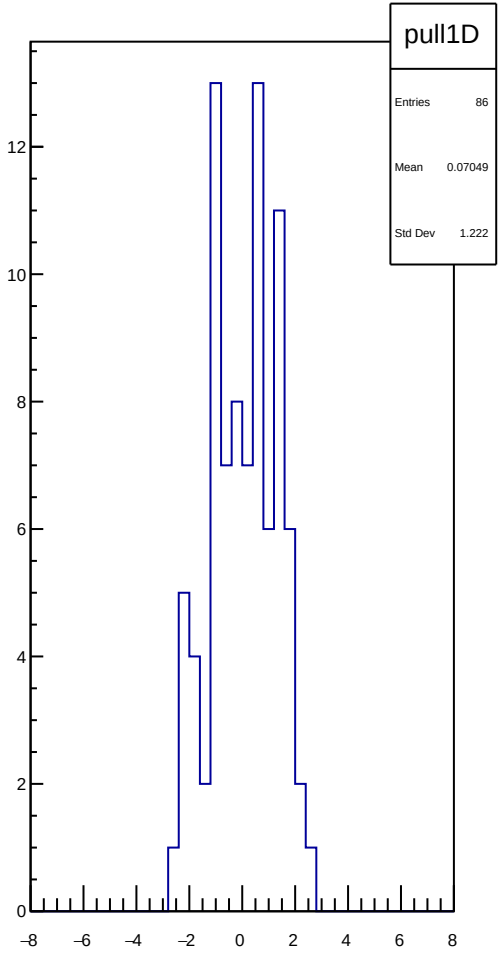

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.91 / 85
p0 41.16 ± 1.096
pull
Entries 86
Mean 89.52
Std Dev 11.34

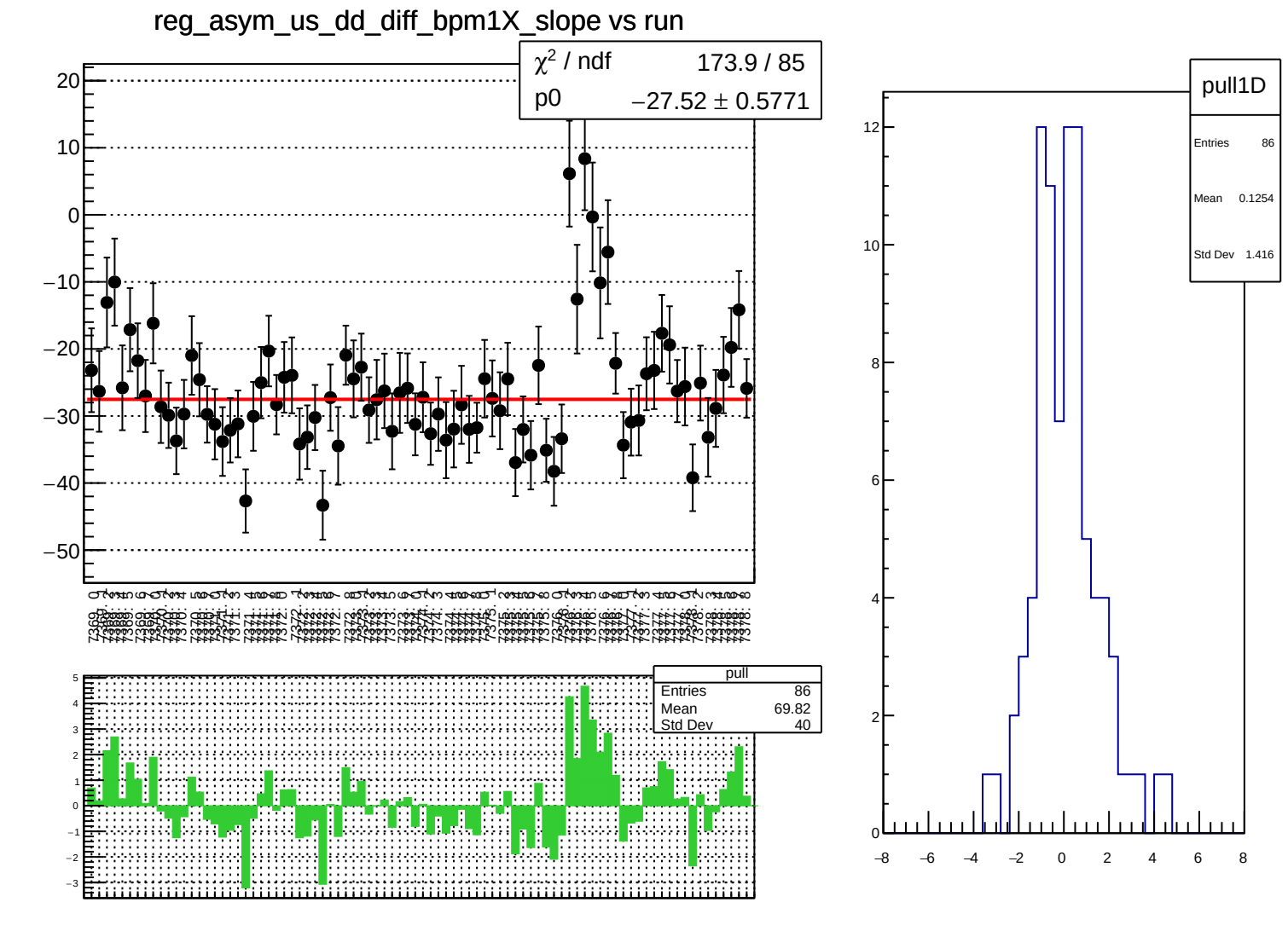

pull1D
Entries 86
Mean 0.08568
Std Dev 1.013

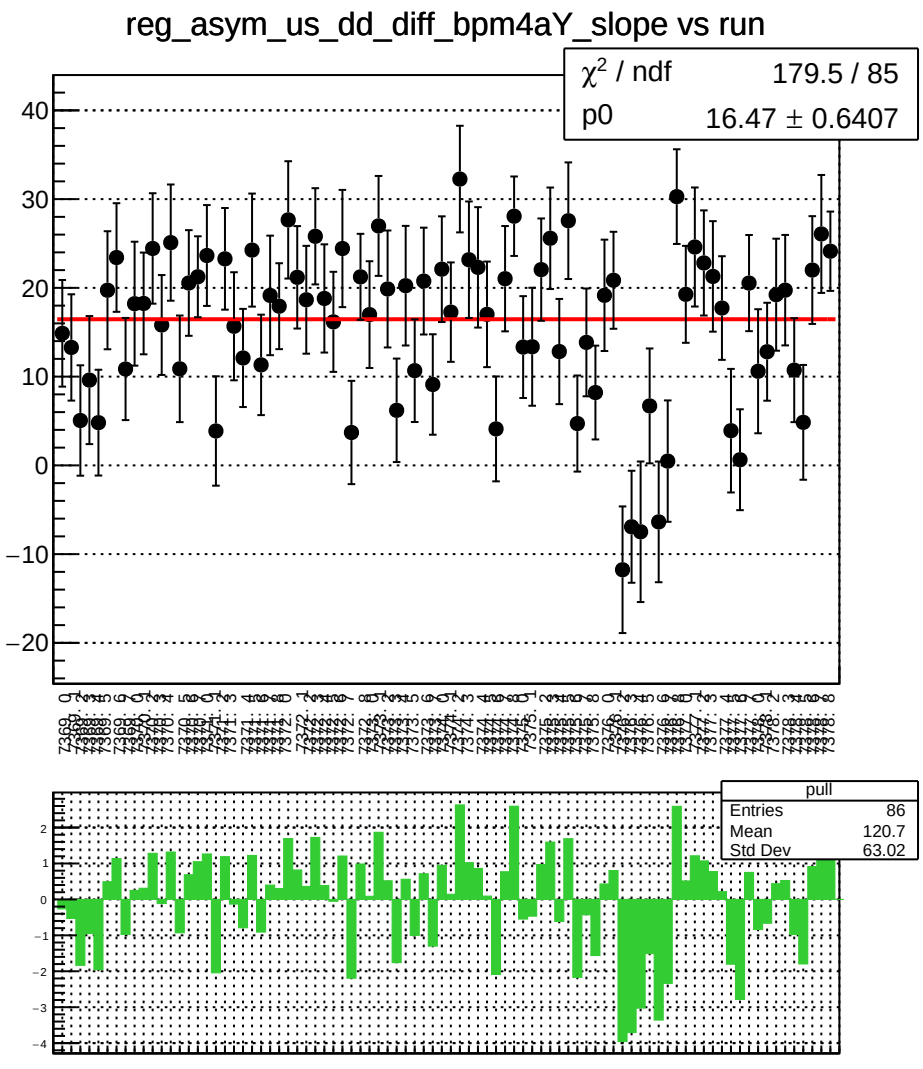

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 76.71 / 85
p0 26.73 ± 1.242
pull
Entries 86
Mean −256.8
Std Dev 298.5

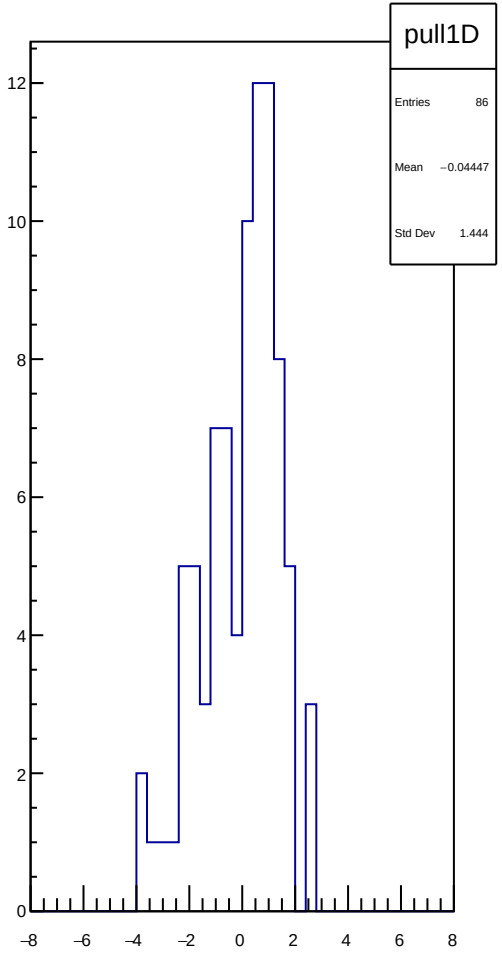

pull1D
Entries 86
Mean 0.02492
Std Dev 0.9441

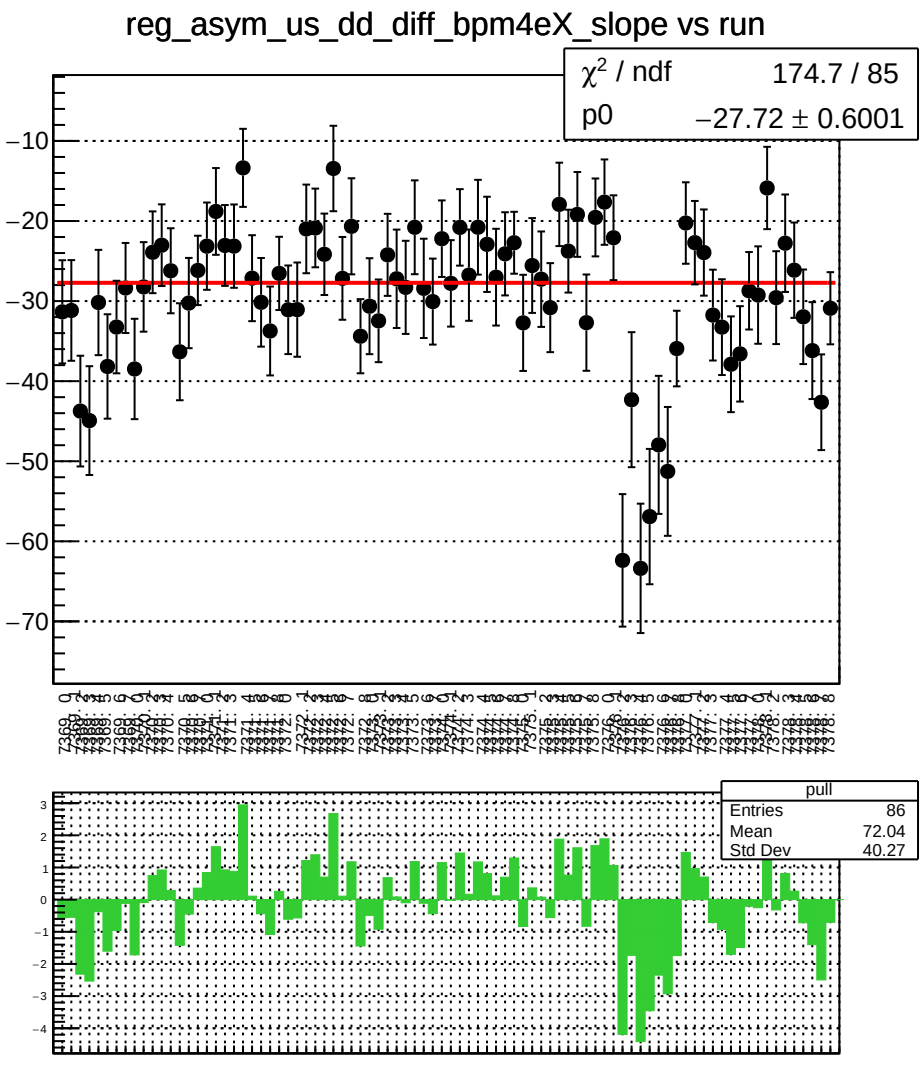

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 128.8 / 85
p0 −38.81 ± 0.0575
pull
Entries 86
Mean −261.9
Std Dev 304.1

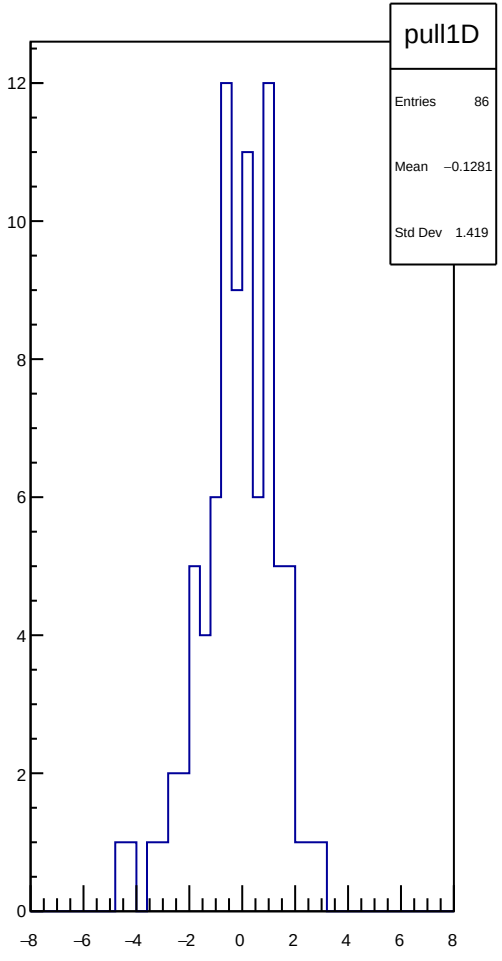

pull1D
Entries 86
Mean 0.07049
Std Dev 1.222

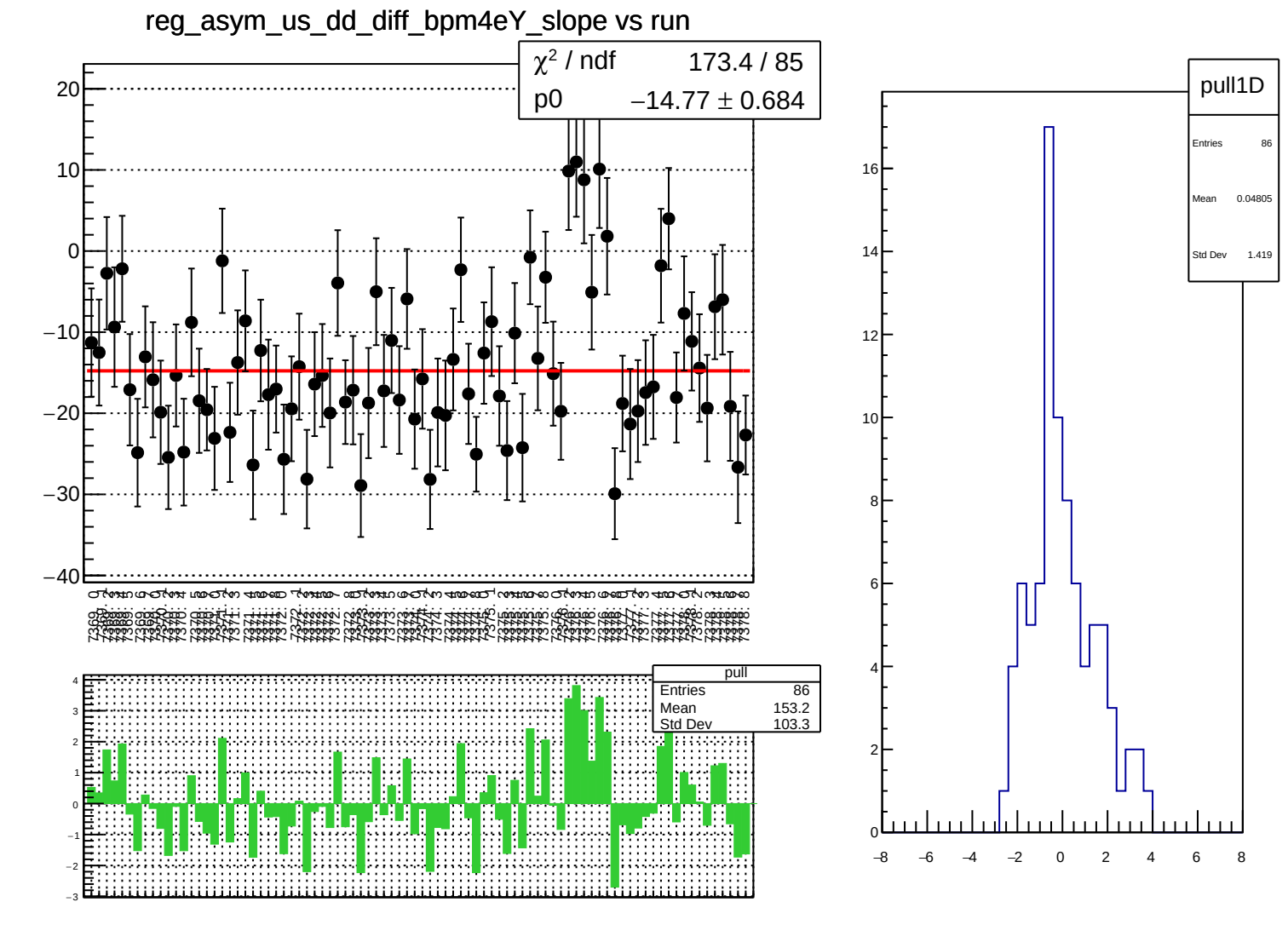

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 173.9 / 85
p0 −27.52 ± 0.5771
pull
Entries 86
Mean 69.82
Std Dev 40
pull1D
Entries 86
Mean 0.1254
Std Dev 1.416

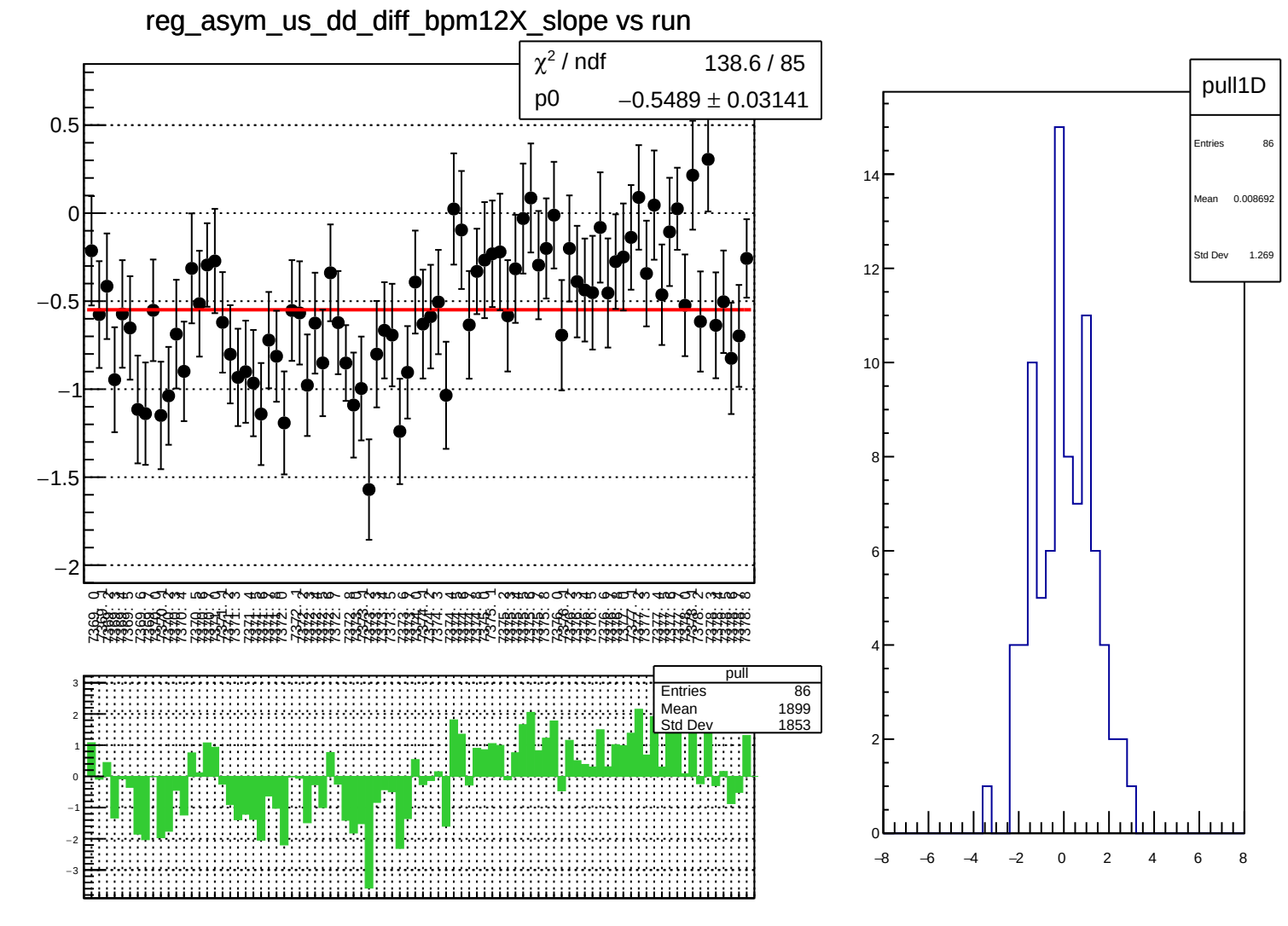

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 179.5 / 85
p0 16.47 ± 0.6407
pull
Entries 86
Mean 120.7
Std Dev 63.02

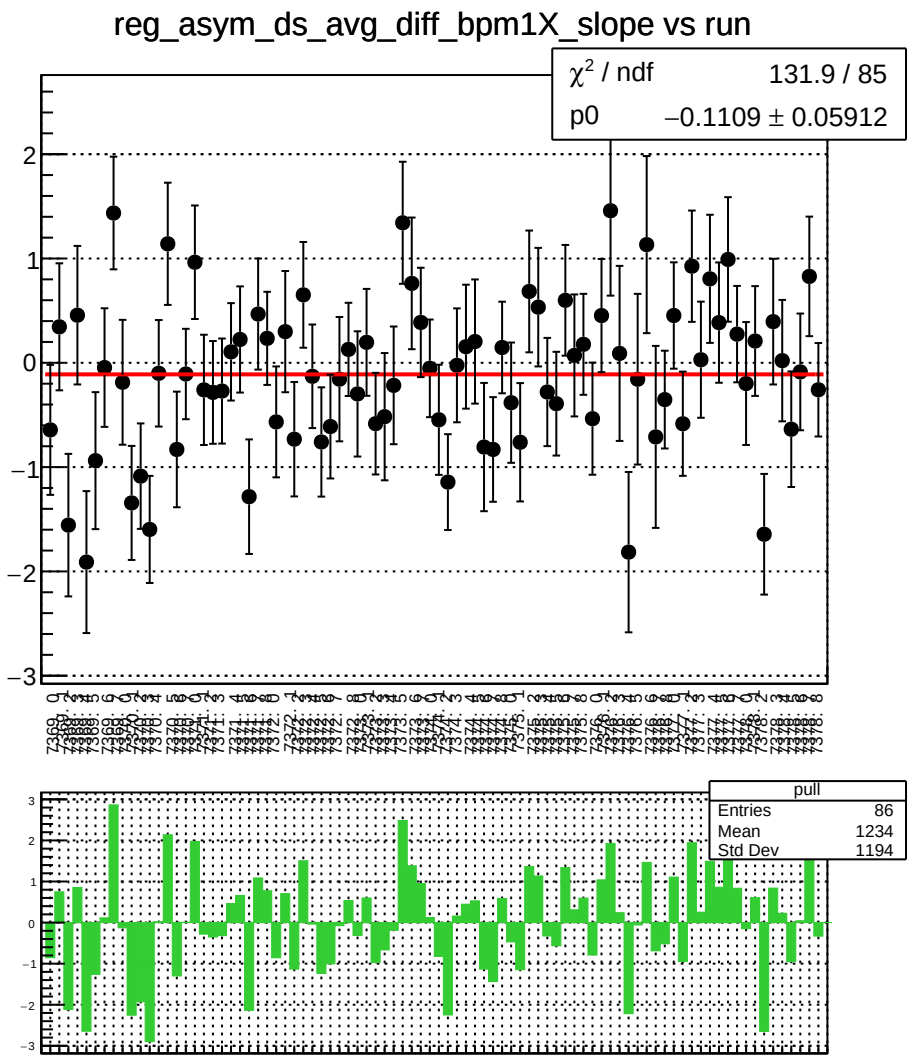

pull1D
Entries 86
Mean −0.04447
Std Dev 1.444

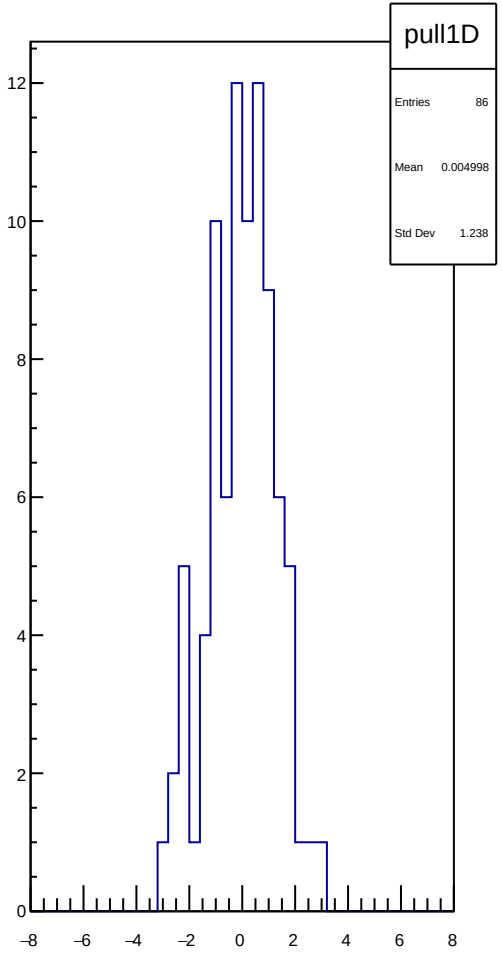

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 174.7 / 85
p0 −27.72 ± 0.6001
pull
Entries 86
Mean 72.04
Std Dev 40.27

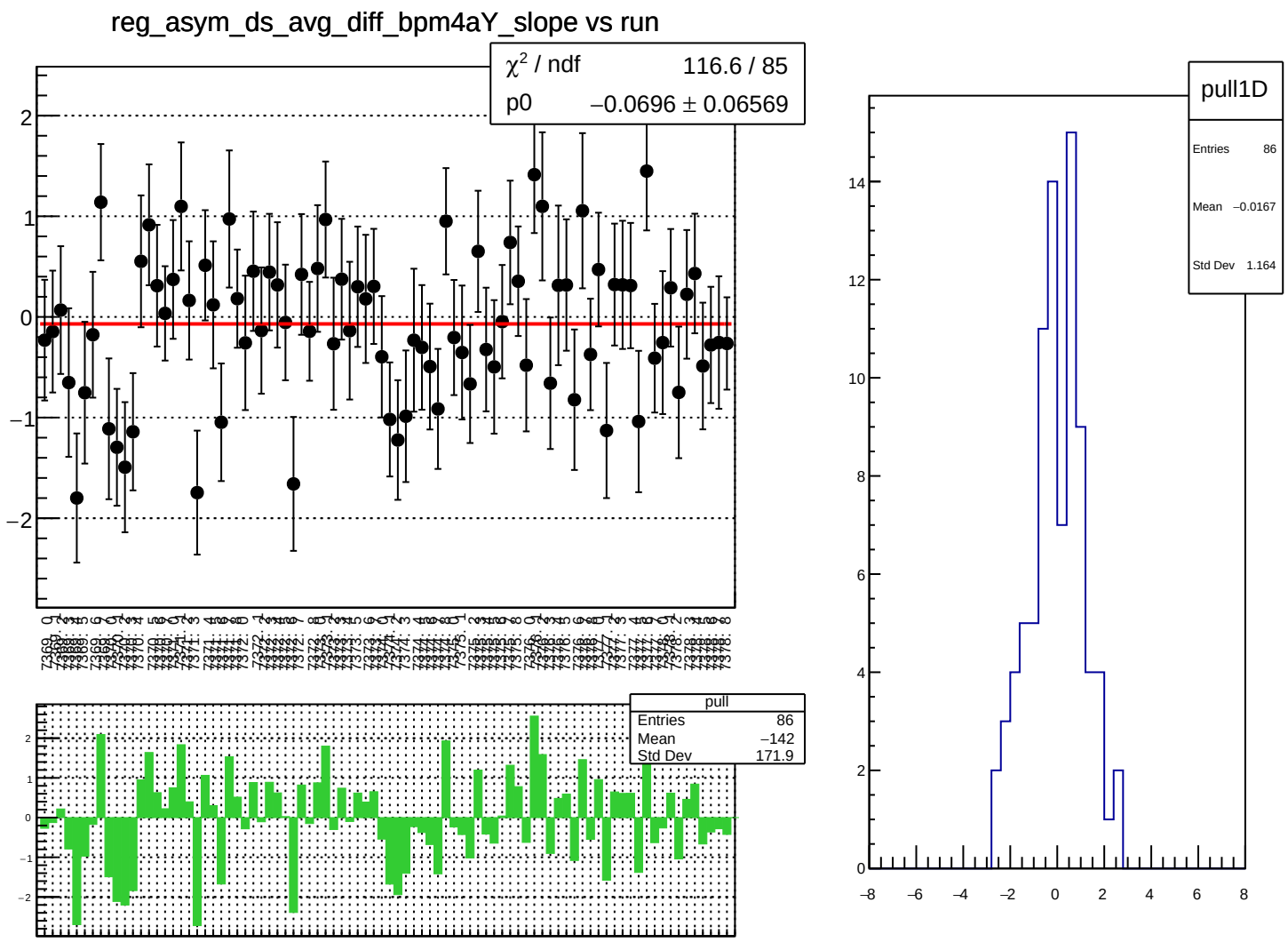

pull1D
Entries 86
Mean −0.1281
Std Dev 1.419

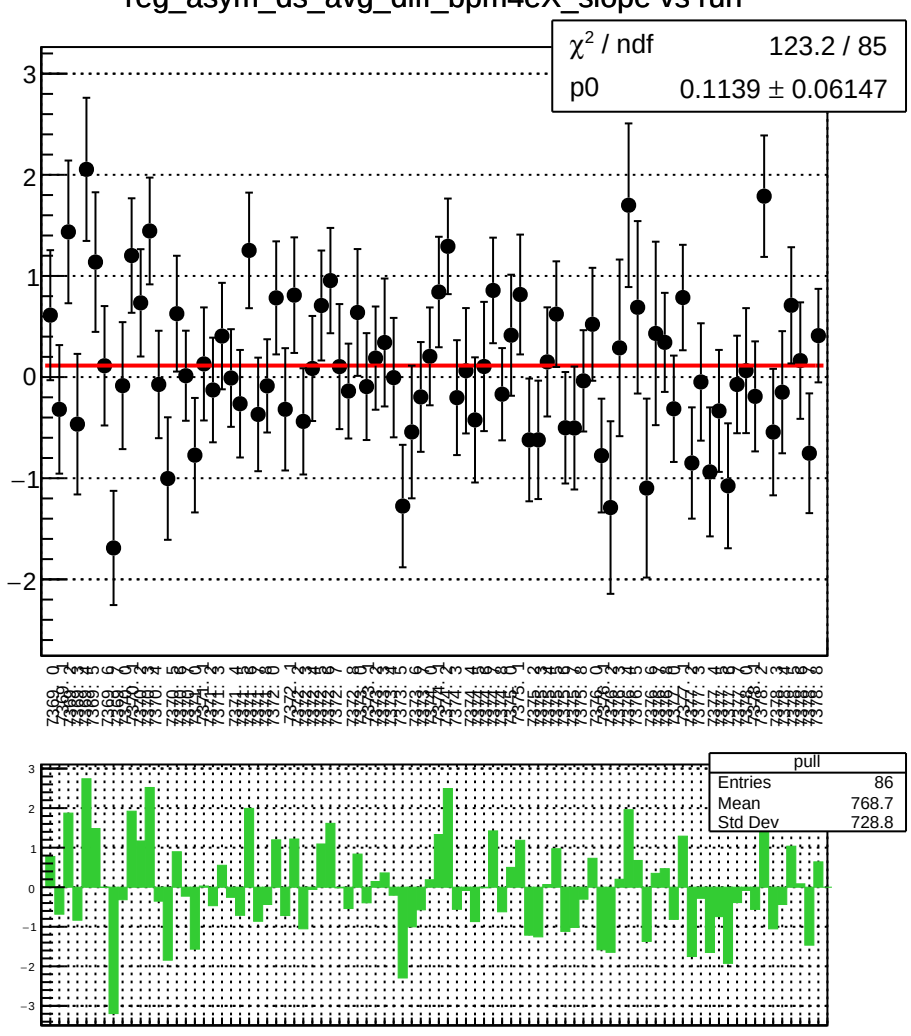

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 173.4 / 85
p0 −14.77 ± 0.684
pull
Entries 86
Mean 153.2
Std Dev 103.3
pull1D
Entries 86
Mean 0.04805
Std Dev 1.419

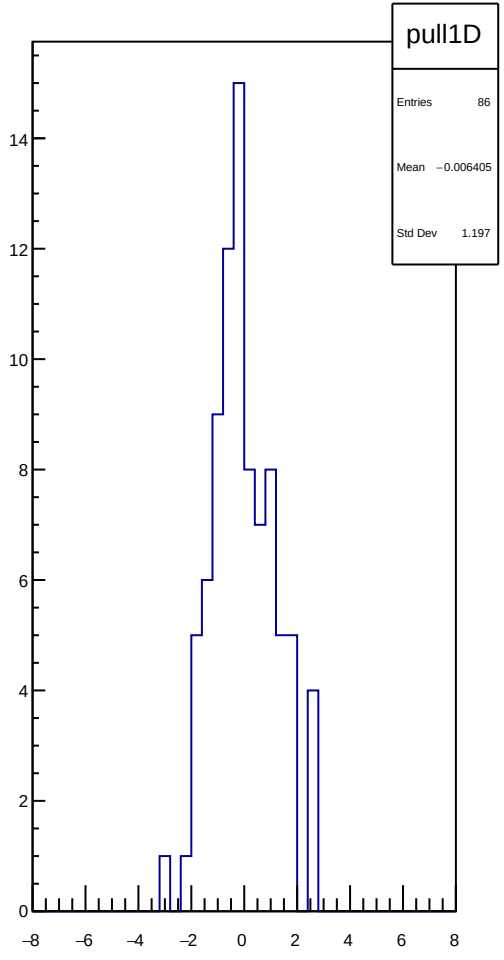

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 138.6 / 85
p0 −0.5489 ± 0.03141
pull
Entries 86
Mean 1899
Std Dev 1853
pull1D
Entries 86
Mean 0.008692
Std Dev 1.269

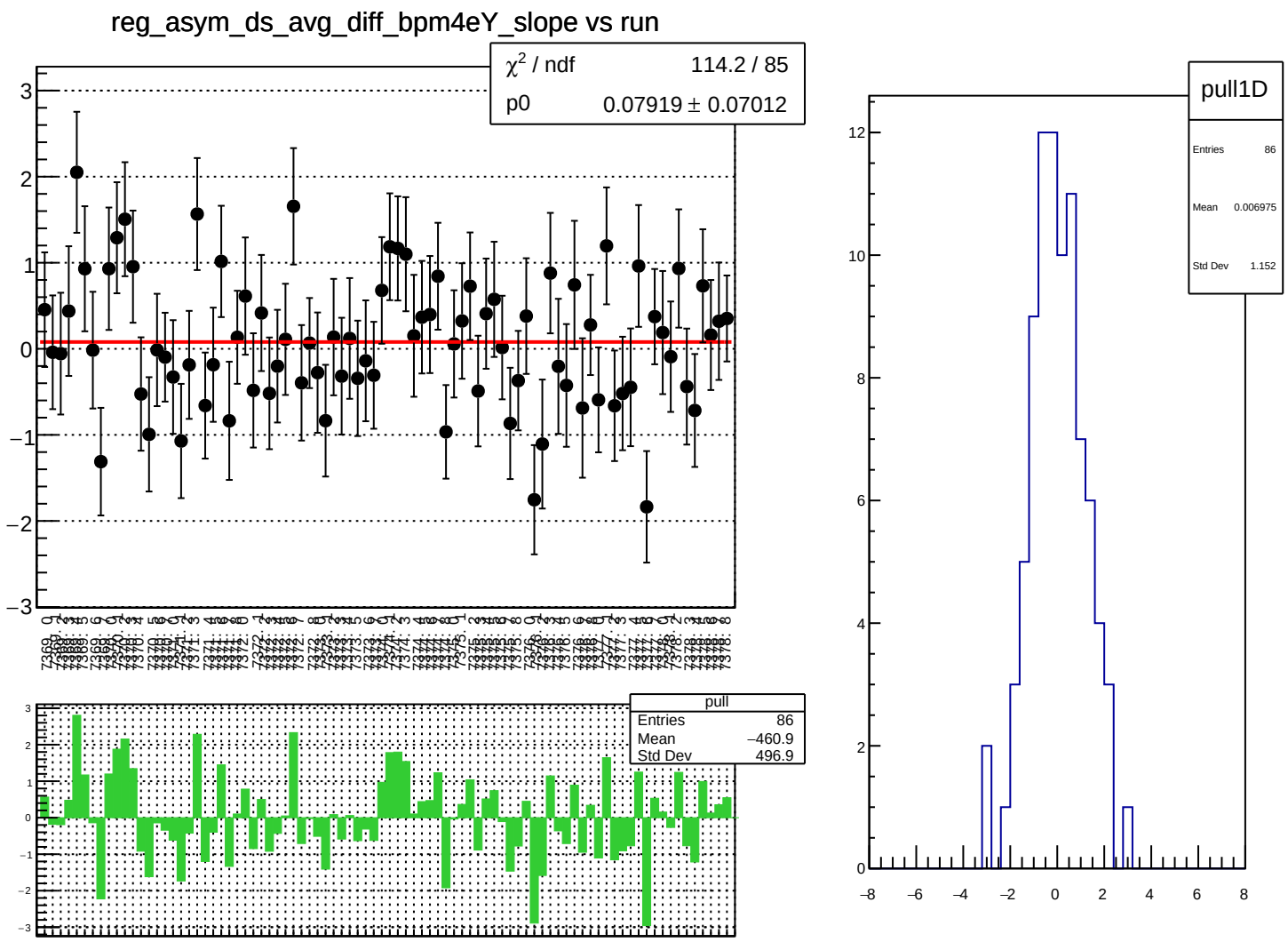

reg_asym_ds_avg_diff_bpm1X_slope vs run
$\chi^2$ / ndf 131.9 / 85
p0 −0.1109 ± 0.05912
pull
Entries 86
Mean 1234
Std Dev 1194

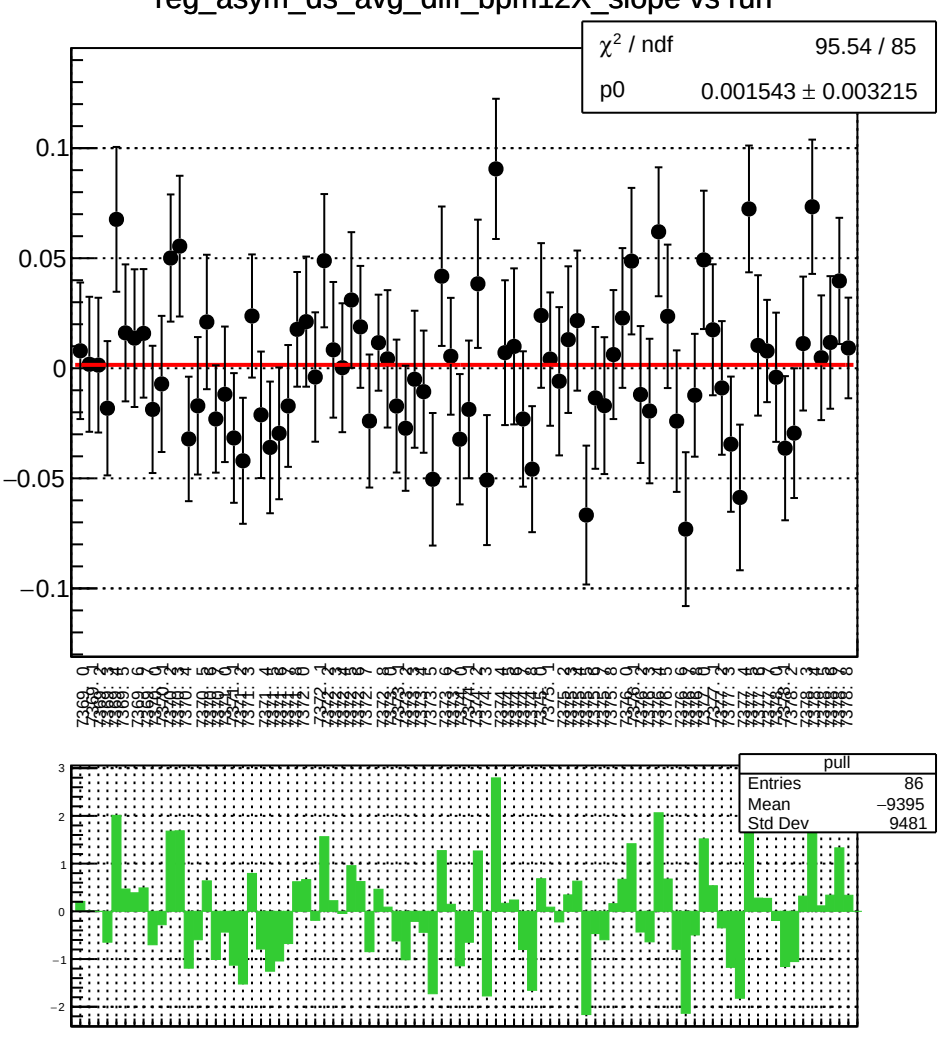

pull1D
Entries 86
Mean 0.004998
Std Dev 1.238

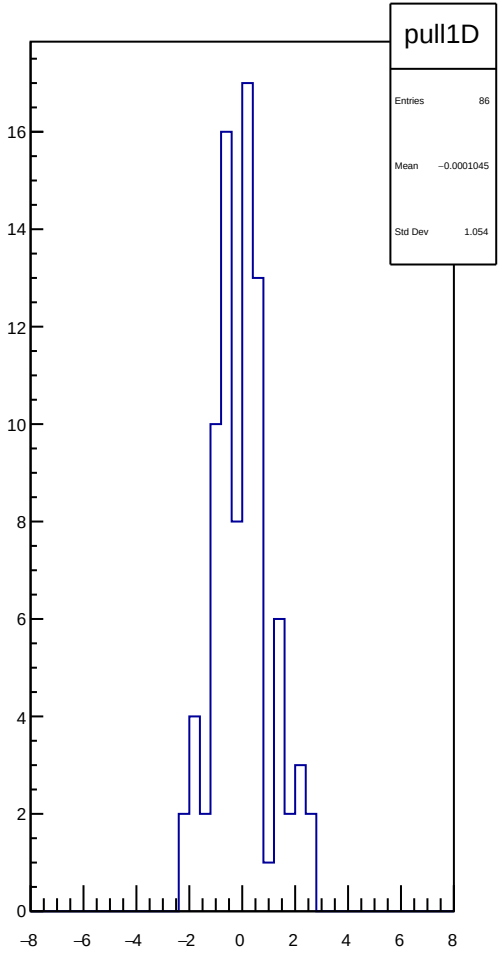

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 116.6 / 85
p0 −0.0696 ± 0.06569
pull
Entries 86
Mean −142
Std Dev 171.9
pull1D
Entries 86
Mean −0.0167
Std Dev 1.164

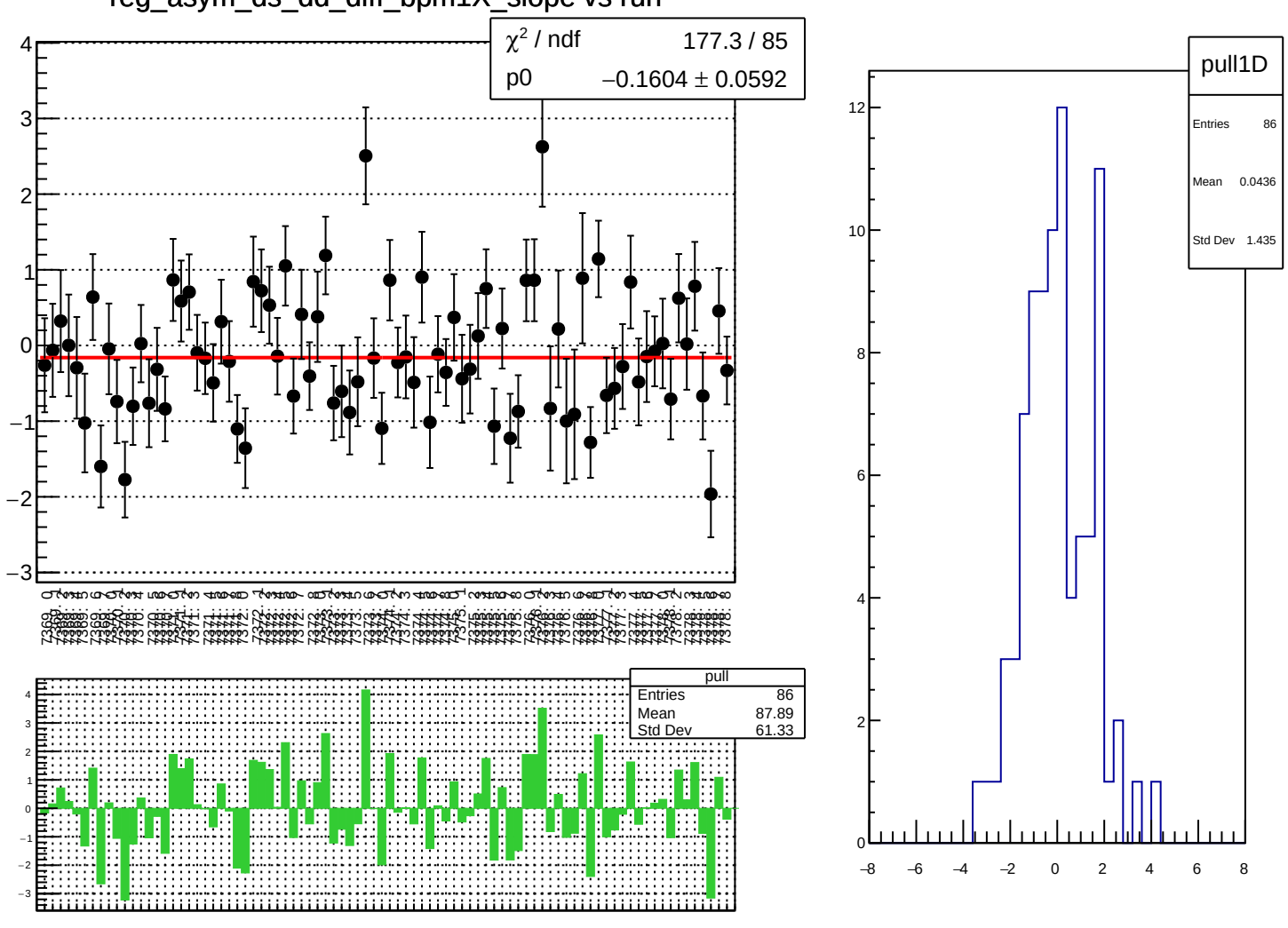

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 123.2 / 85
p0 0.1139 ± 0.06147
pull
Entries 86
Mean 768.7
Std Dev 728.8

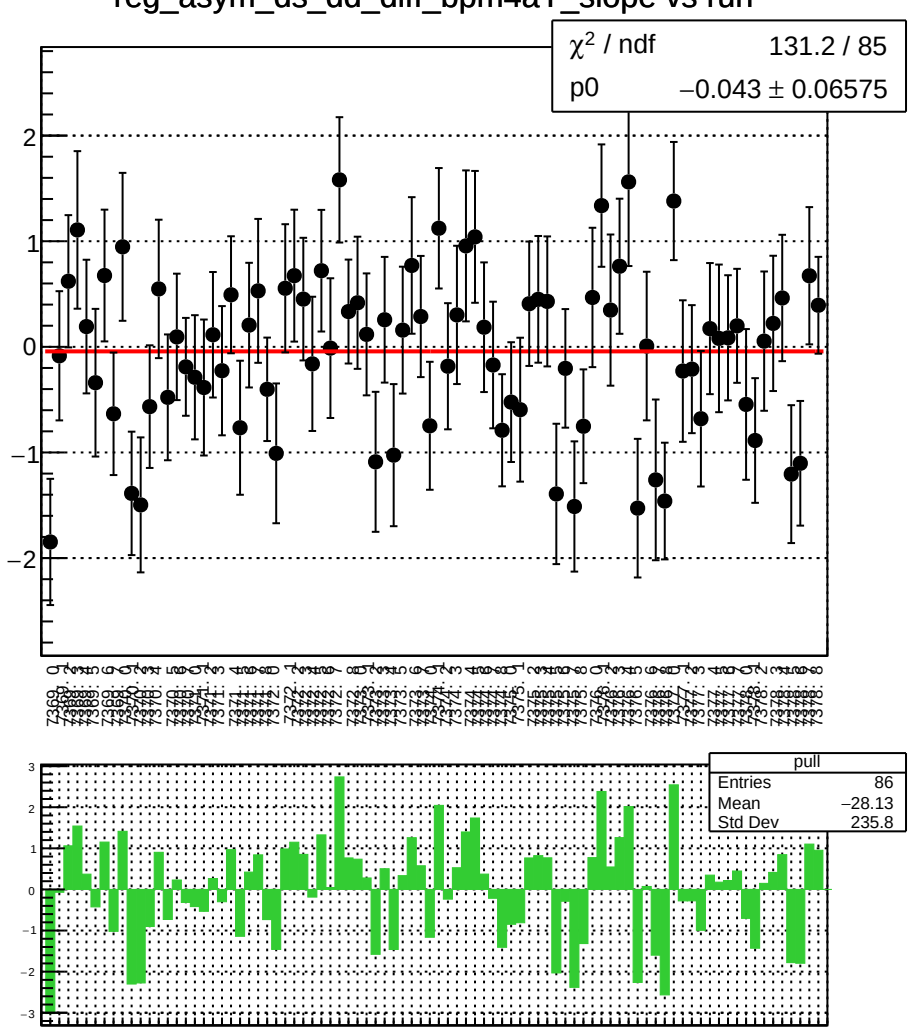

pull1D
Entries 86
Mean −0.006405
Std Dev 1.197

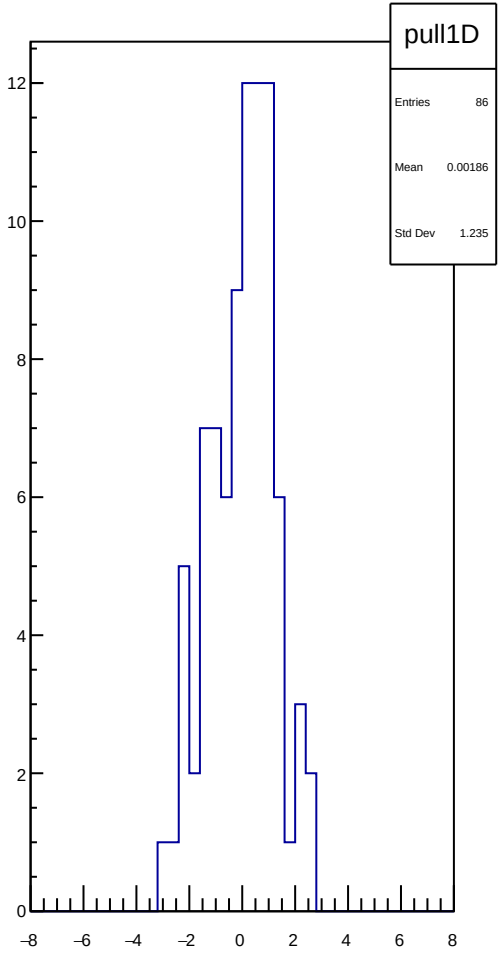

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 114.2 / 85
p0 0.07919 ± 0.07012
pull
Entries 86
Mean −460.9
Std Dev 496.9
pull1D
Entries 86
Mean 0.006975
Std Dev 1.152

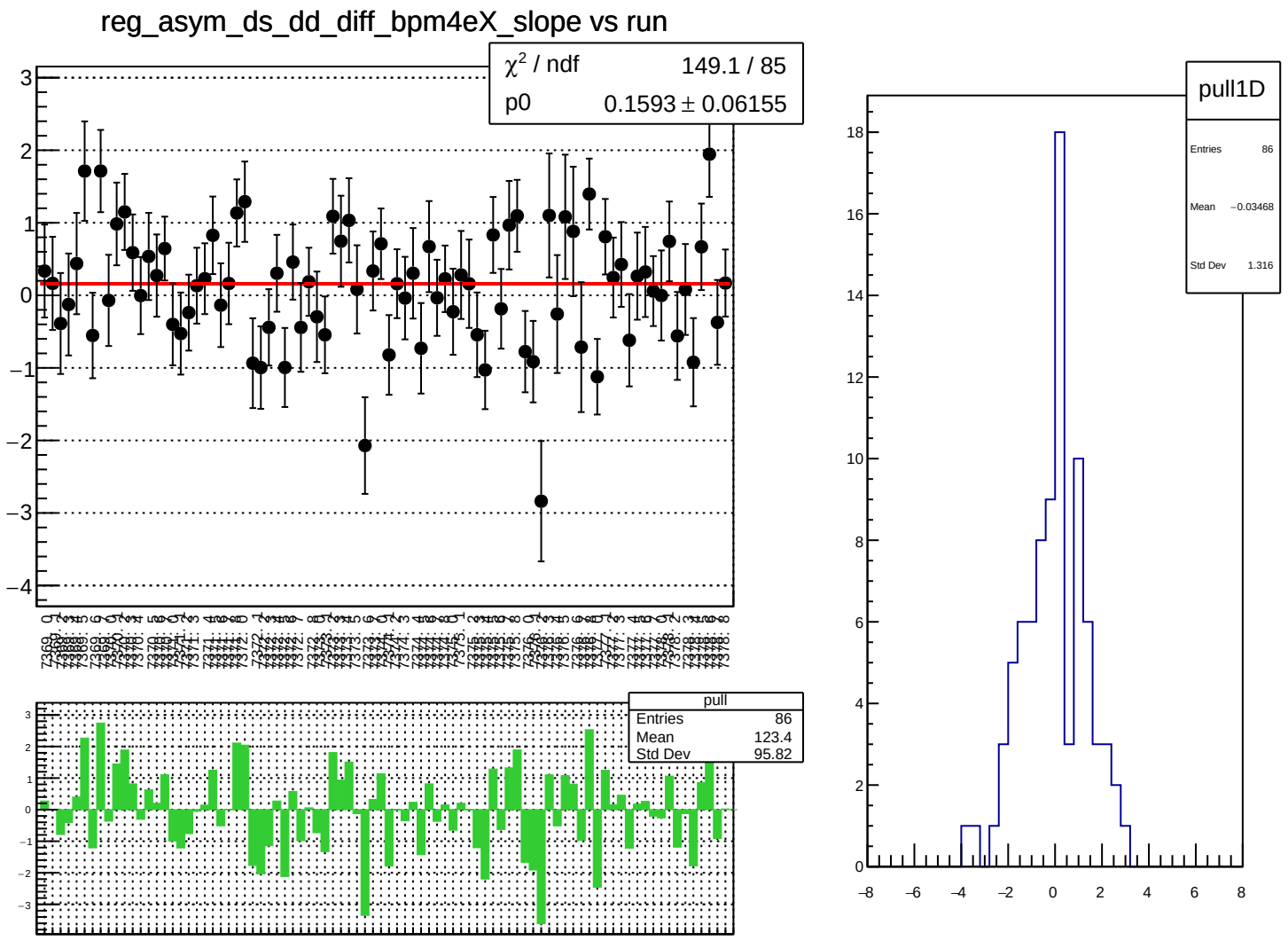

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 95.54 / 85
p0 0.001543 ± 0.003215
0.1
0.05
0
−0.05
−0.1
pull
Entries 86
Mean −9395
Std Dev 9481
3
2
1
0
−1
−2

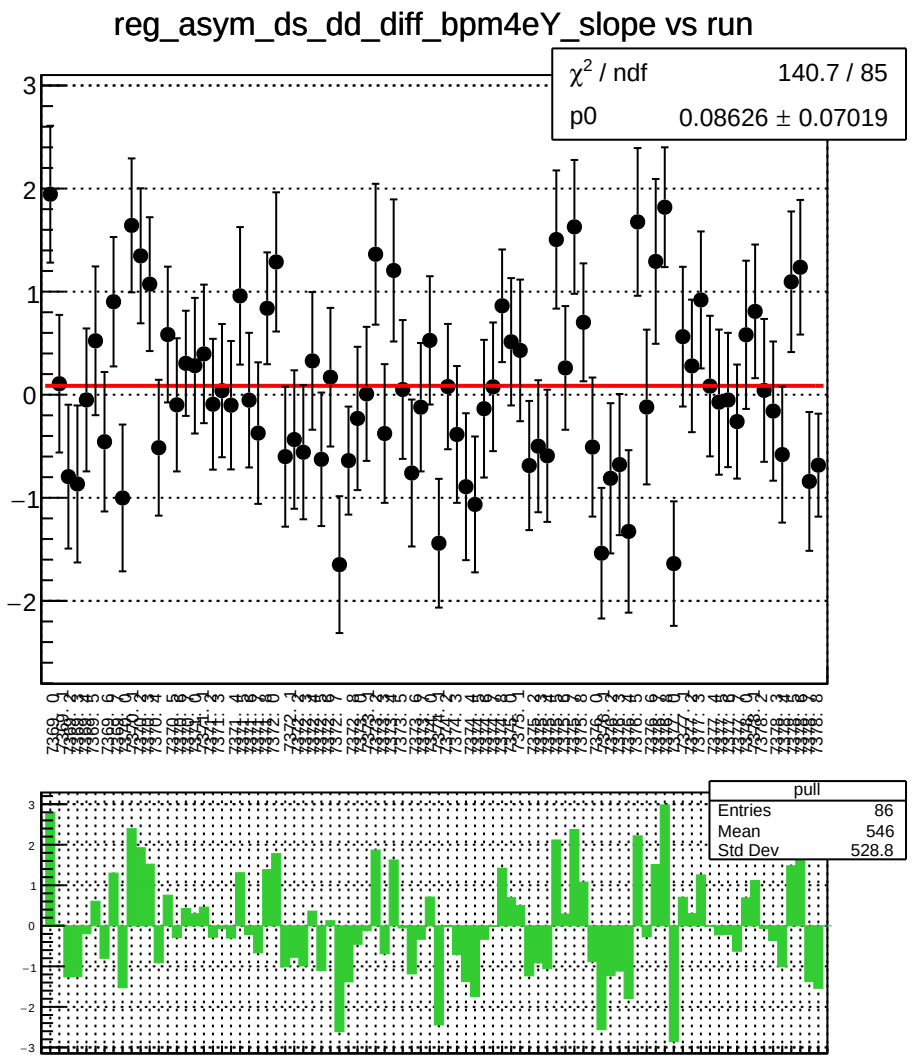

pull1D
Entries 86
Mean −0.0001045
Std Dev 1.054
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

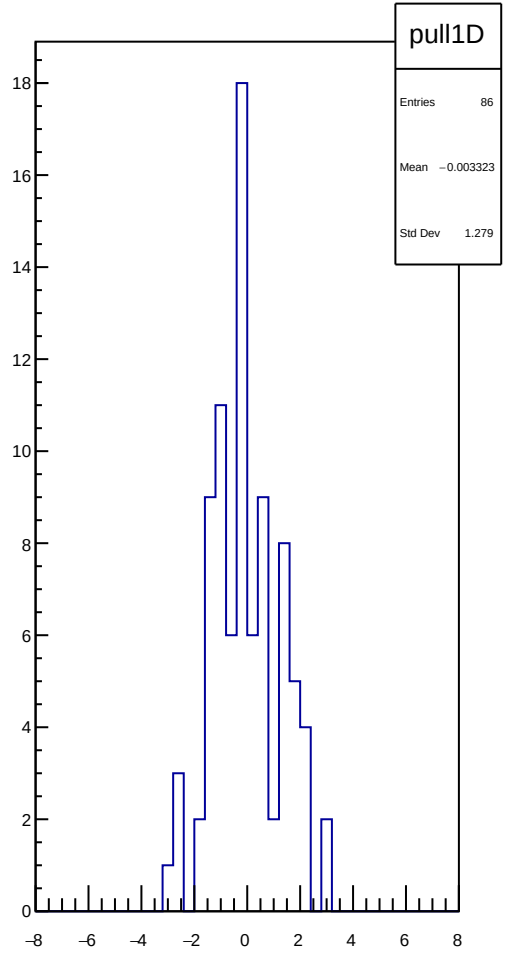

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 177.3 / 85
p0 −0.1604 ± 0.0592
pull
Entries 86
Mean 87.89
Std Dev 61.33
pull1D
Entries 86
Mean 0.0436
Std Dev 1.435

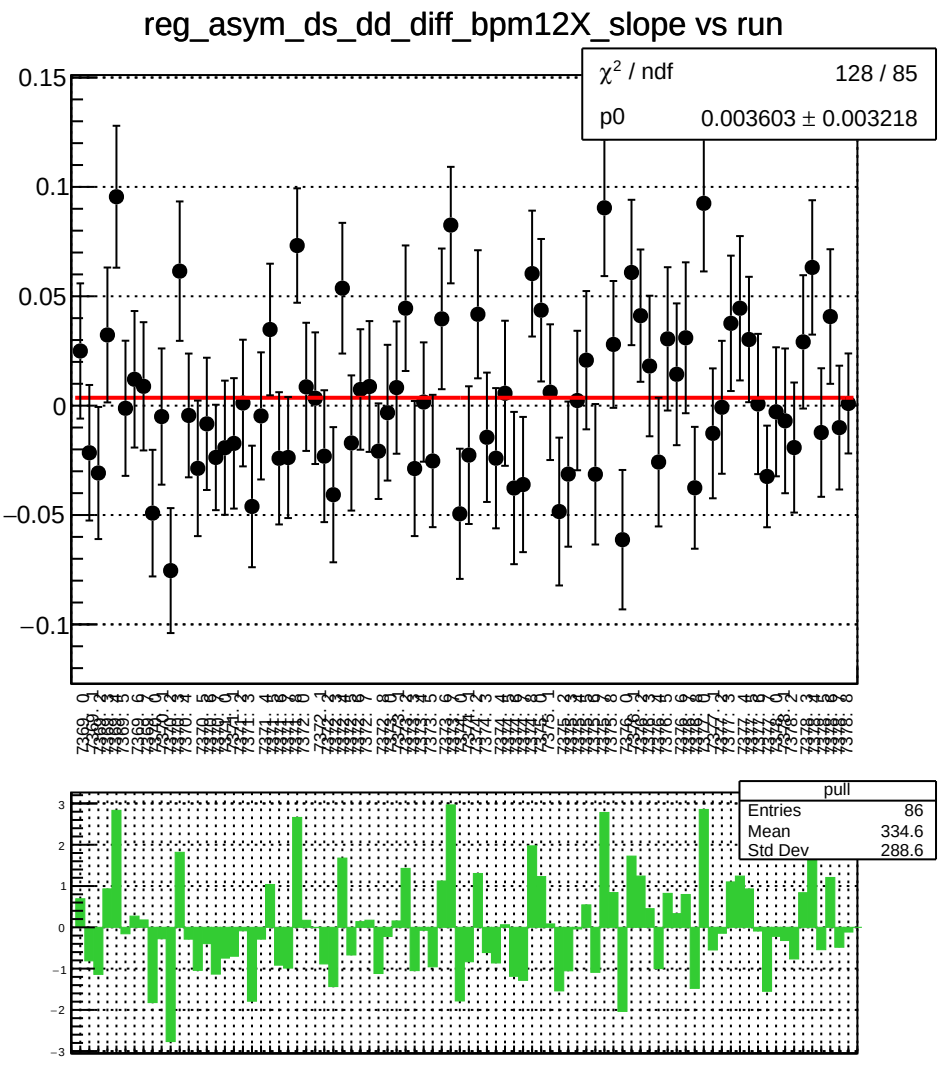

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 131.2 / 85
p0 −0.043 ± 0.06575
pull
Entries 86
Mean −28.13
Std Dev 235.8

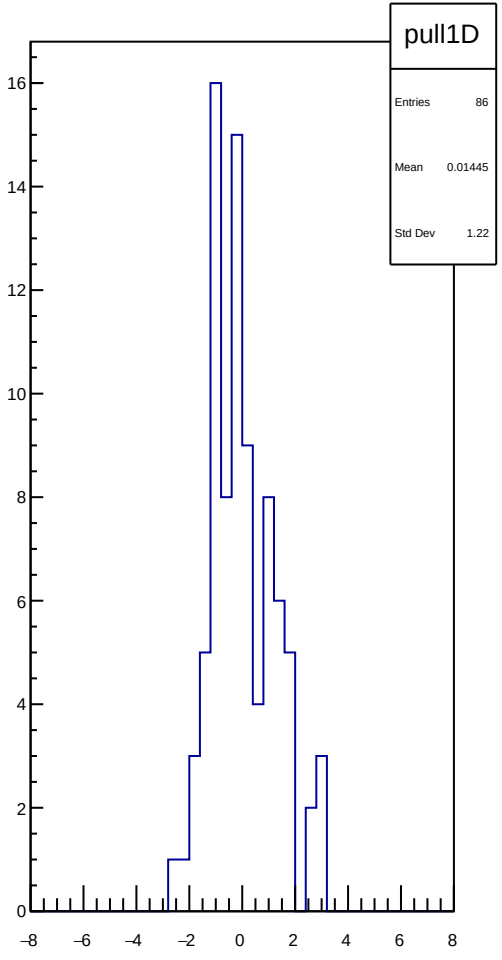

pull1D
Entries 86
Mean 0.00186
Std Dev 1.235

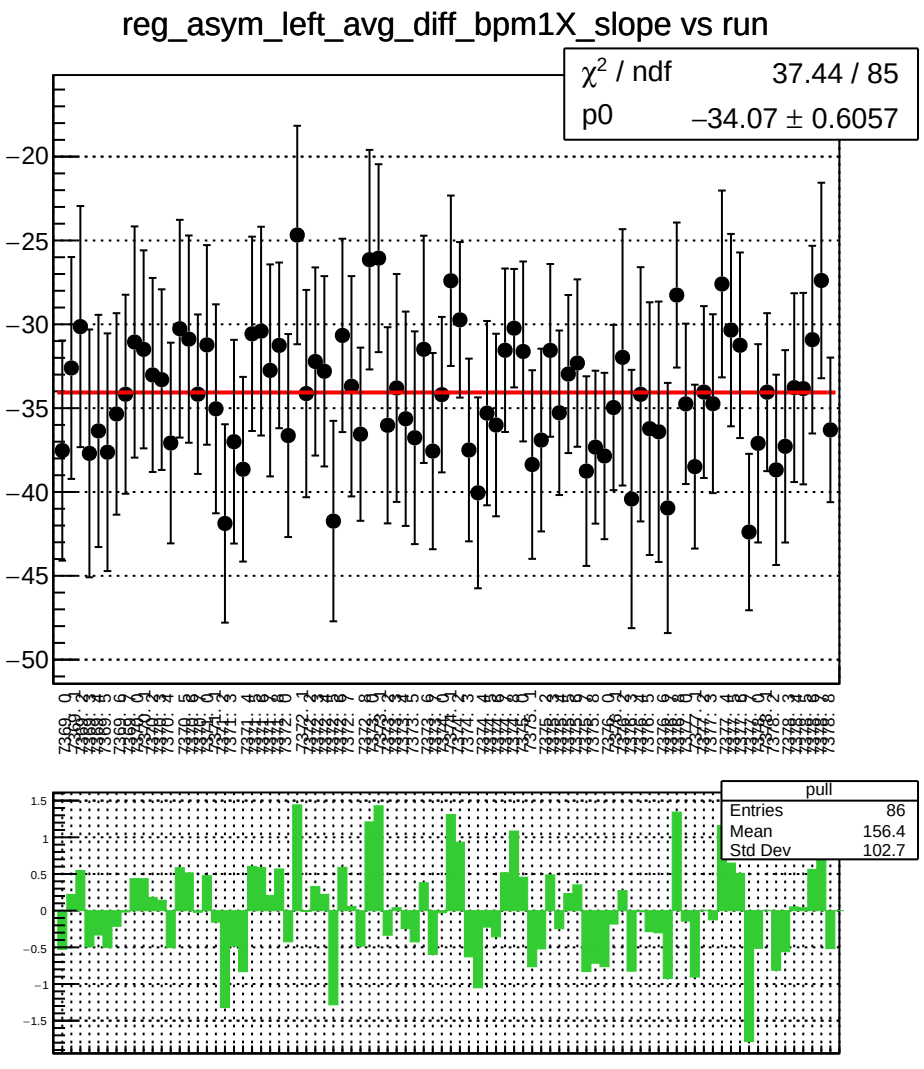

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 149.1 / 85
p0 0.1593 ± 0.06155
pull
Entries 86
Mean 123.4
Std Dev 95.82
pull1D
Entries 86
Mean −0.03468
Std Dev 1.316

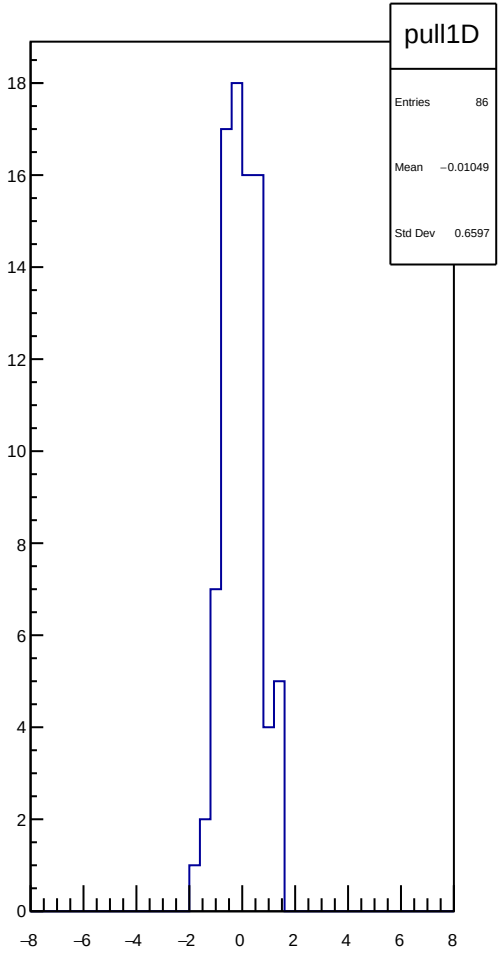

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 140.7 / 85
p0 0.08626 ± 0.07019
pull
Entries 86
Mean 546
Std Dev 528.8

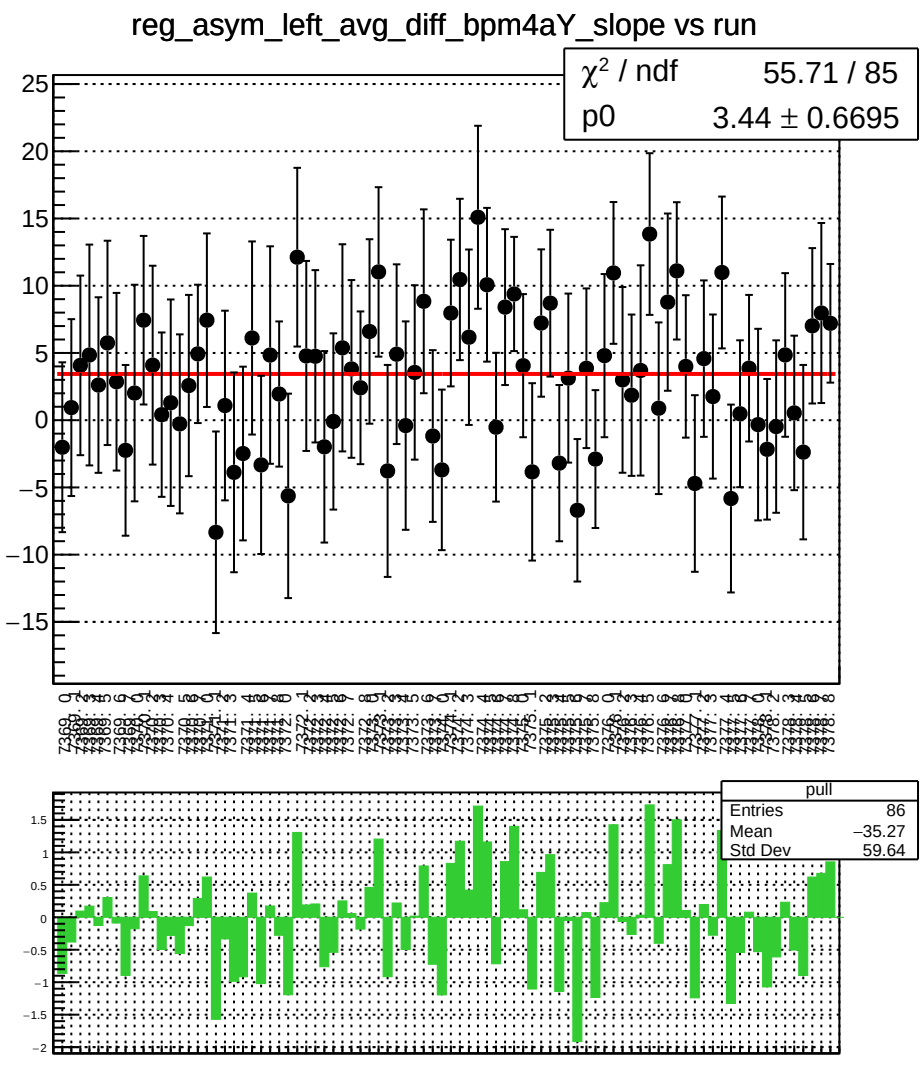

pull1D
Entries 86
Mean −0.003323
Std Dev 1.279

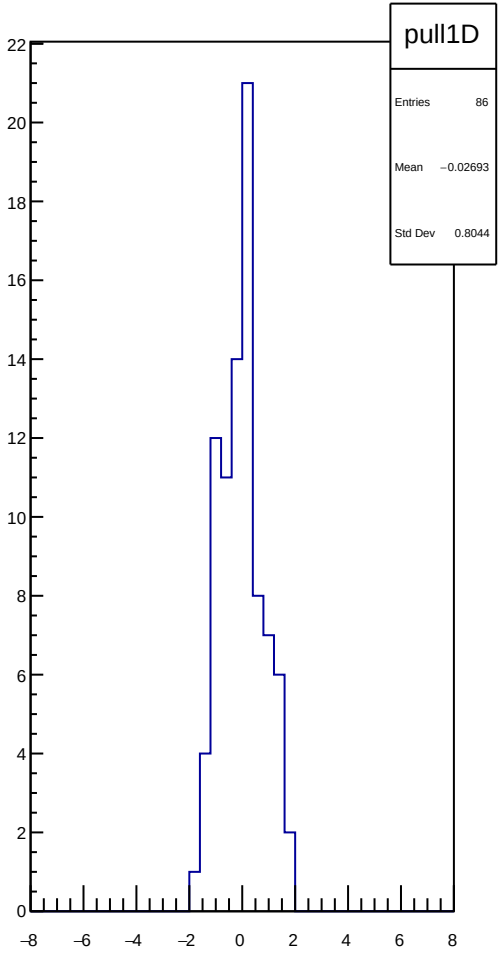

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 128 / 85
p0 0.003603 ± 0.003218
pull
Entries 86
Mean 334.6
Std Dev 288.6

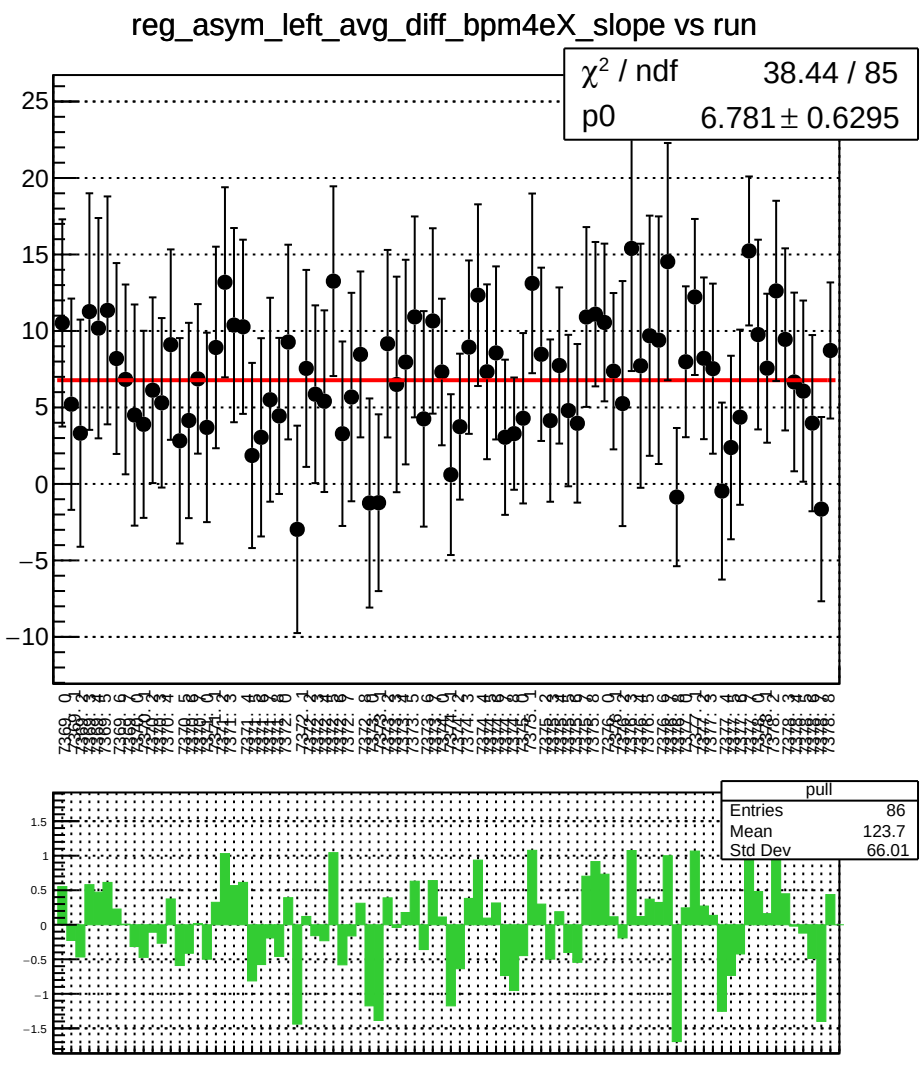

pull1D
Entries 86
Mean 0.01445
Std Dev 1.22

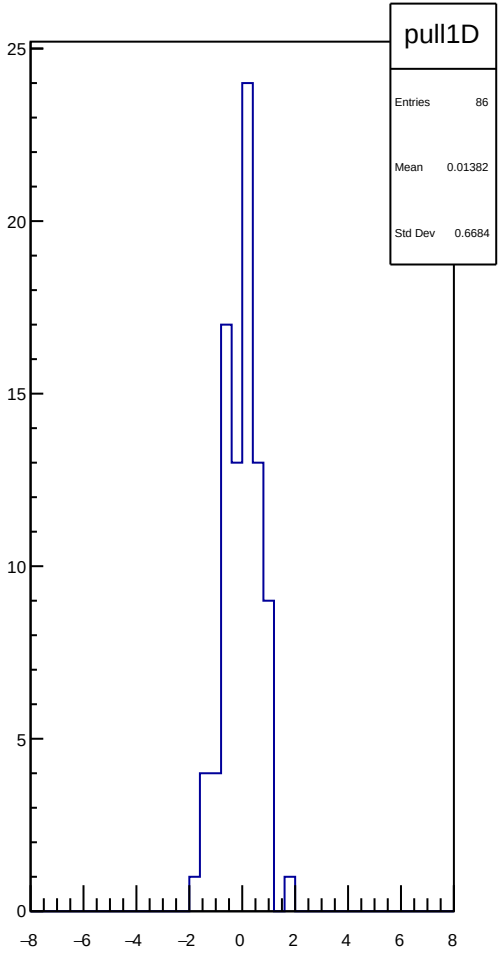

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 37.44 / 85
p0 −34.07 ± 0.6057
pull
Entries 86
Mean 156.4
Std Dev 102.7

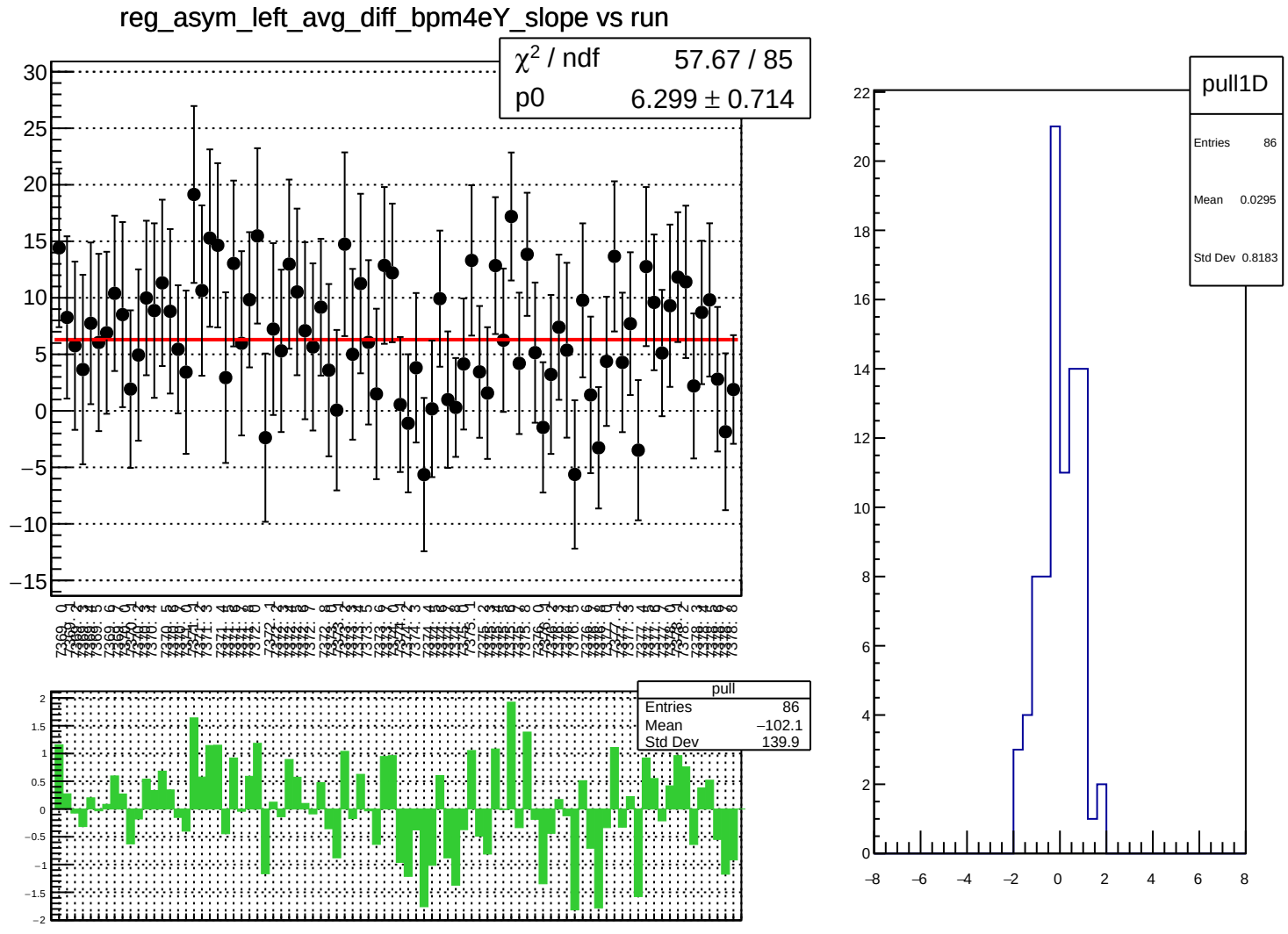

pull1D
Entries 86
Mean −0.01049
Std Dev 0.6597

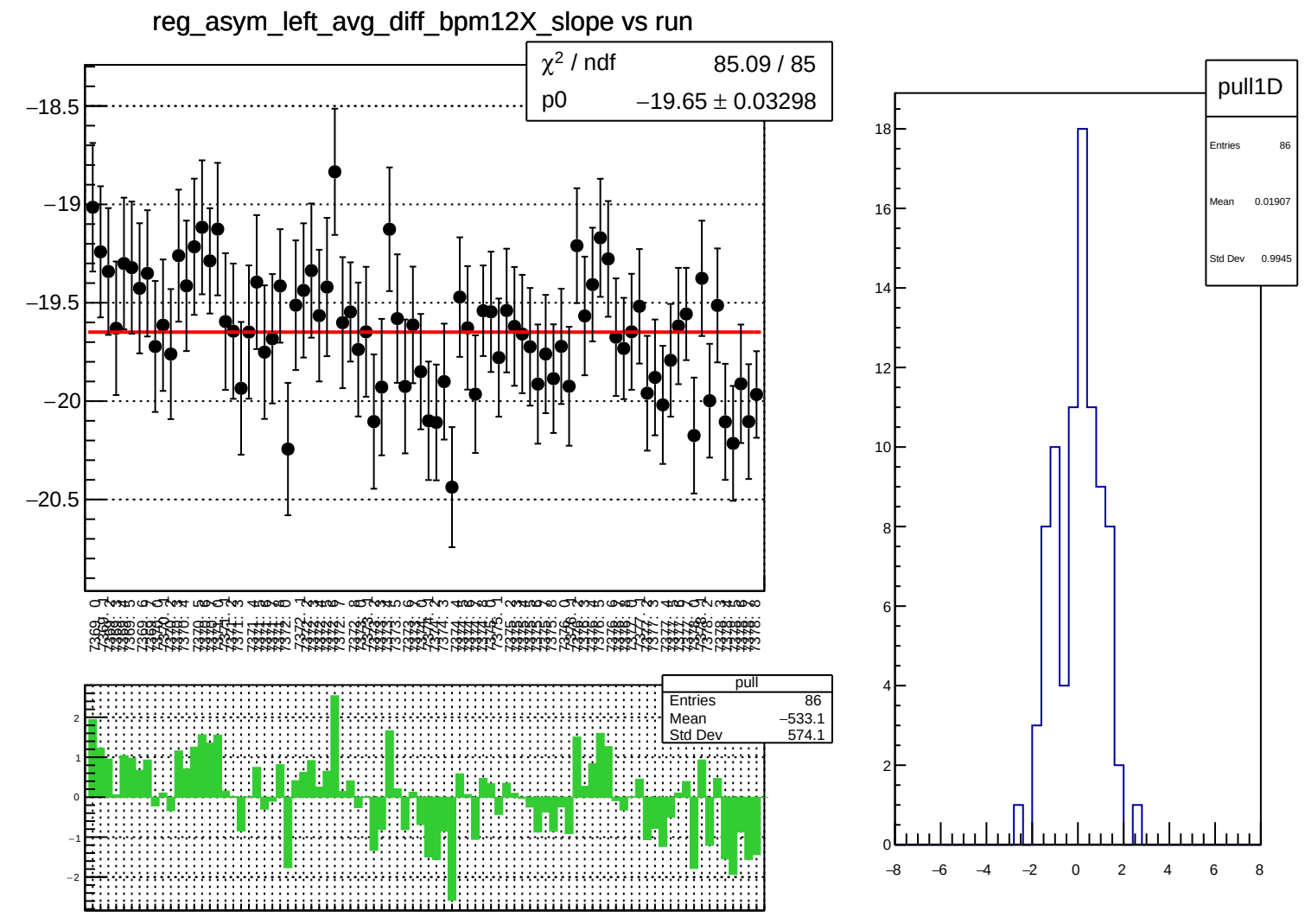

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 55.71 / 85
p0 3.44 ± 0.6695
pull
Entries 86
Mean −35.27
Std Dev 59.64

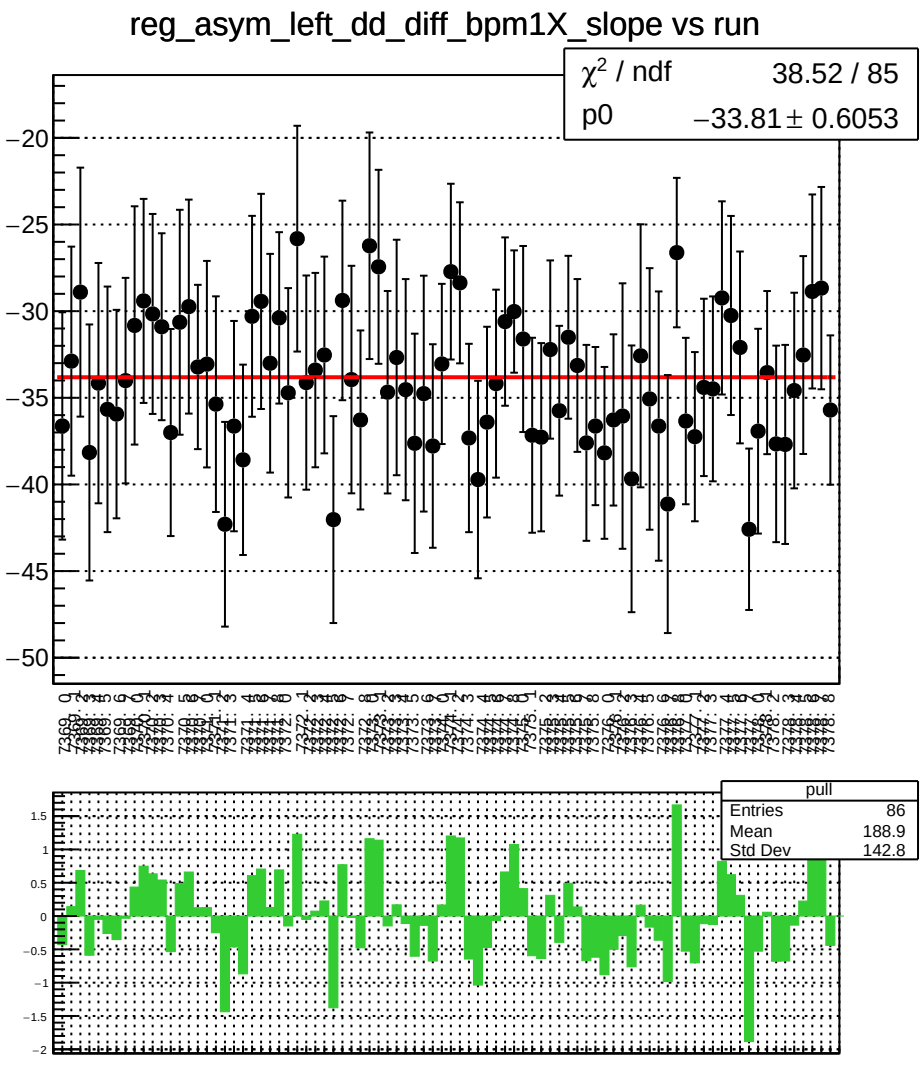

pull1D
Entries 86
Mean −0.02693
Std Dev 0.8044

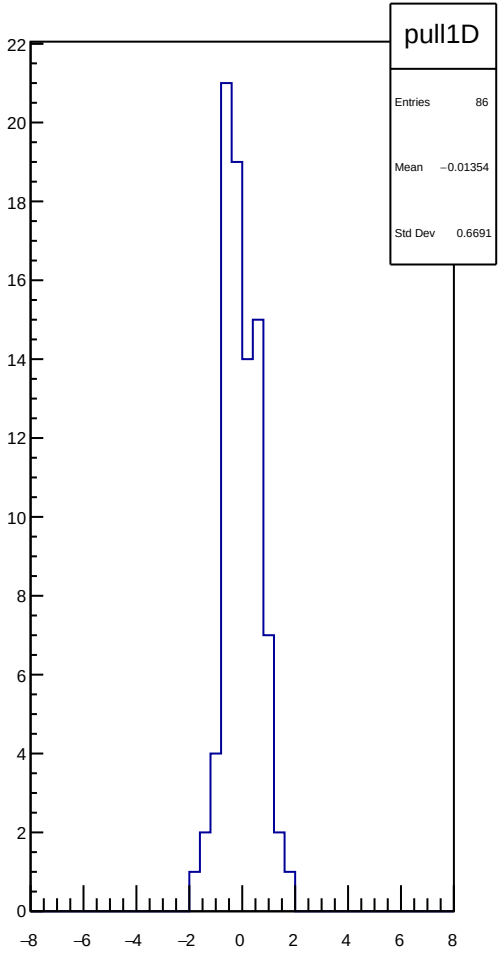

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 38.44 / 85
p0 6.781 ± 0.6295
pull
Entries 86
Mean 123.7
Std Dev 66.01

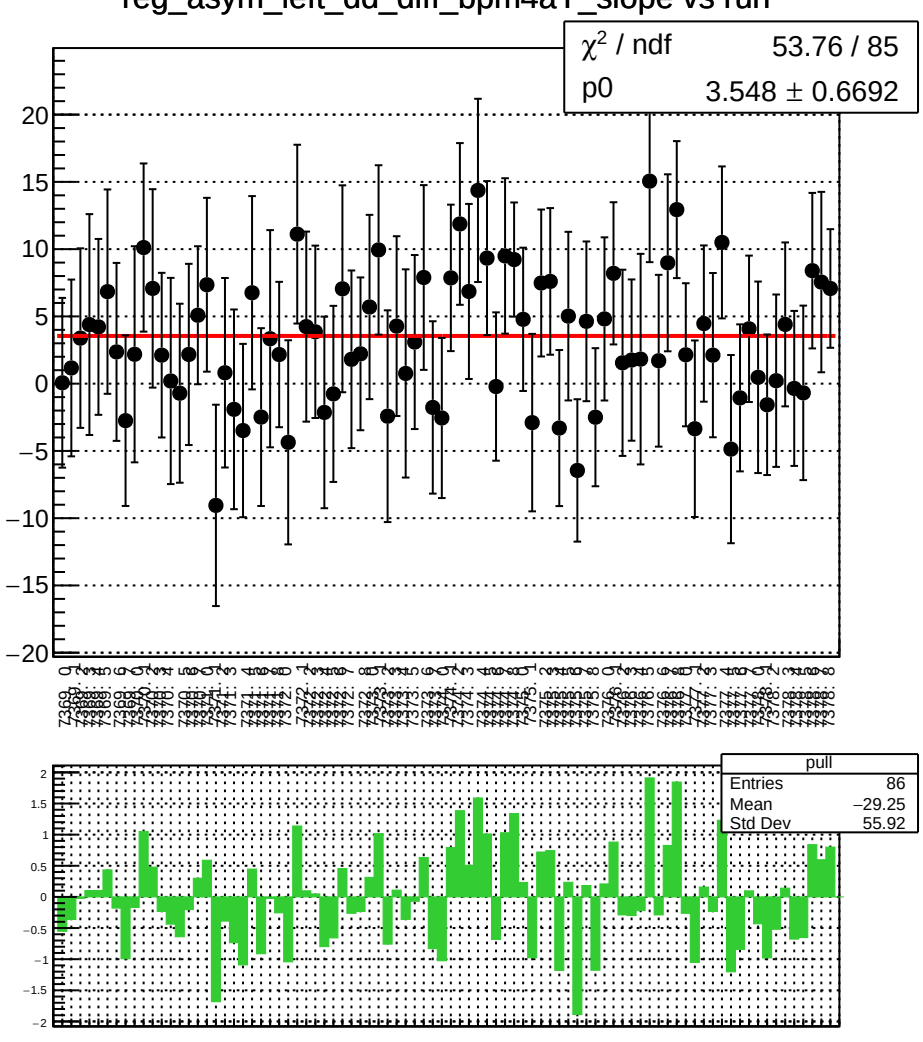

pull1D
Entries 86
Mean 0.01382
Std Dev 0.6684

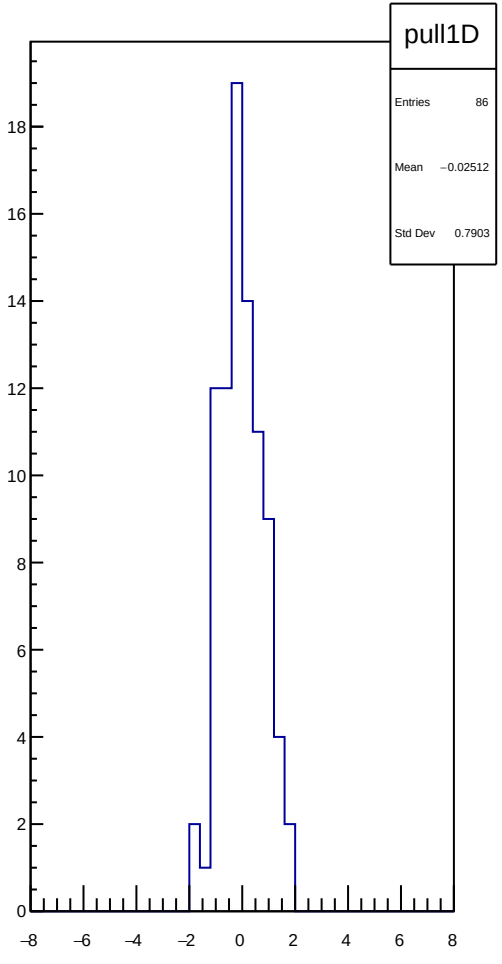

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 57.67 / 85
p0 6.299 ± 0.714
pull
Entries 86
Mean −102.1
Std Dev 139.9
pull1D
Entries 86
Mean 0.0295
Std Dev 0.8183

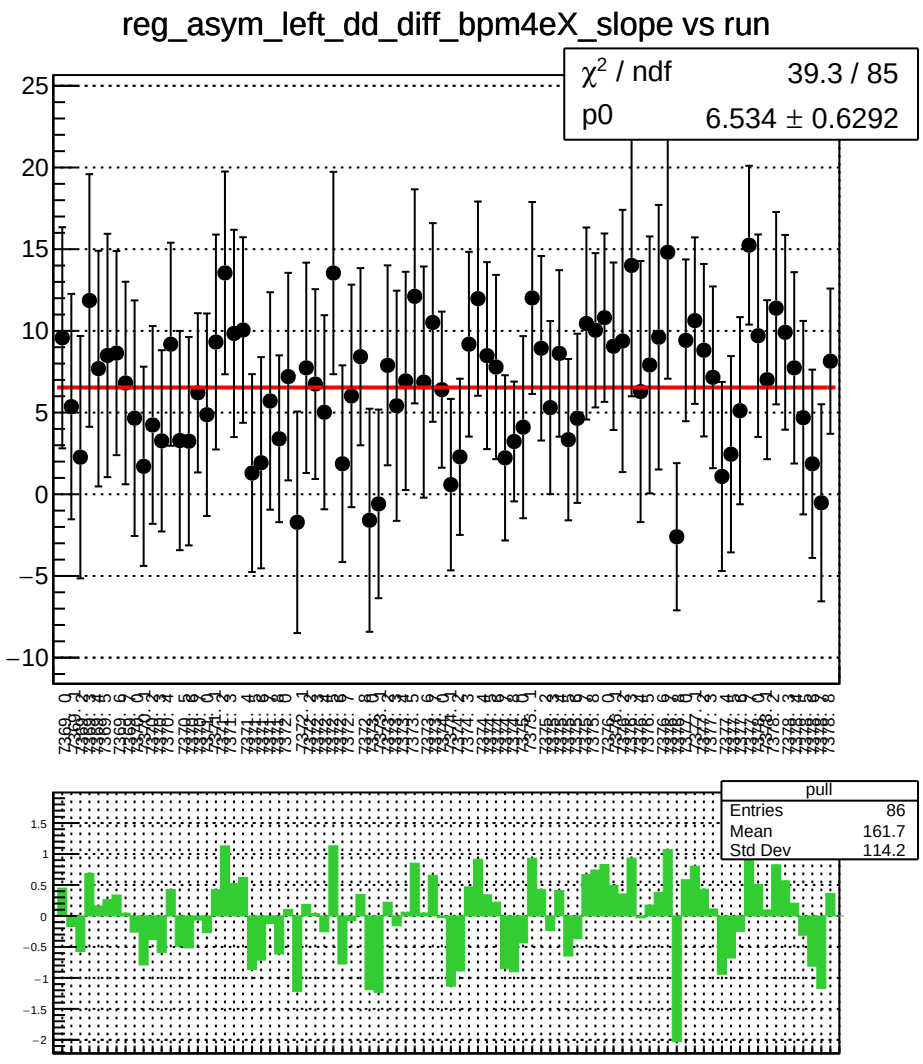

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 85.09 / 85
p0 −19.65 ± 0.03298
−18.5
−19
−19.5
−20
−20.5
pull
Entries 86
Mean −533.1
Std Dev 574.1
pull1D
Entries 86
Mean 0.01907
Std Dev 0.9945

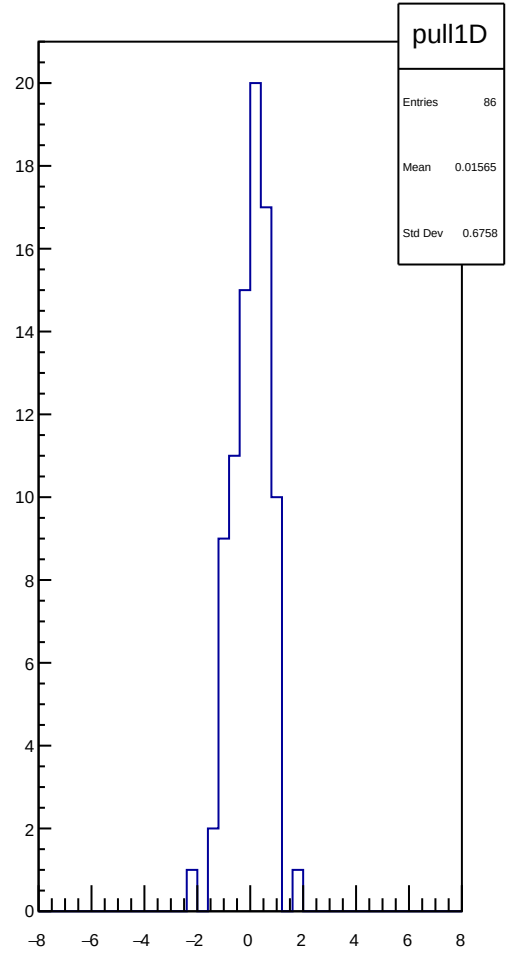

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 38.52 / 85
p0 −33.81 ± 0.6053
pull
Entries 86
Mean 188.9
Std Dev 142.8

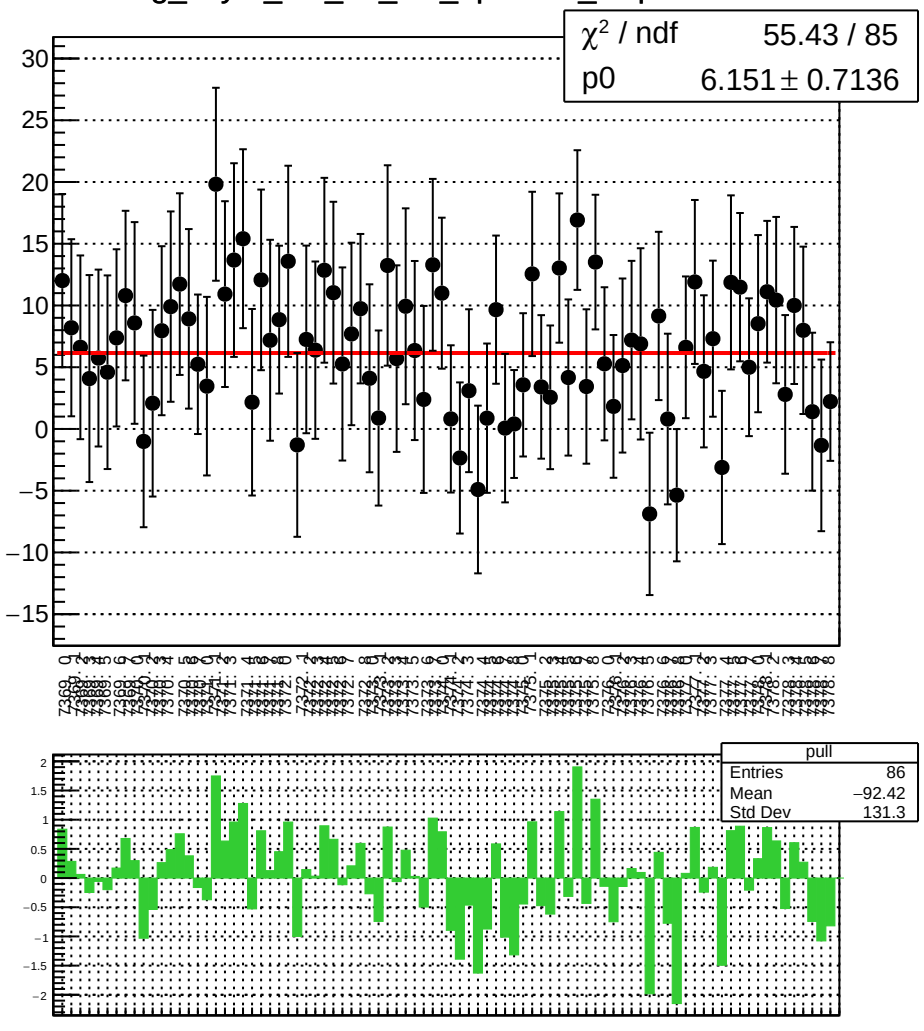

pull1D
Entries 86
Mean −0.01354
Std Dev 0.6691

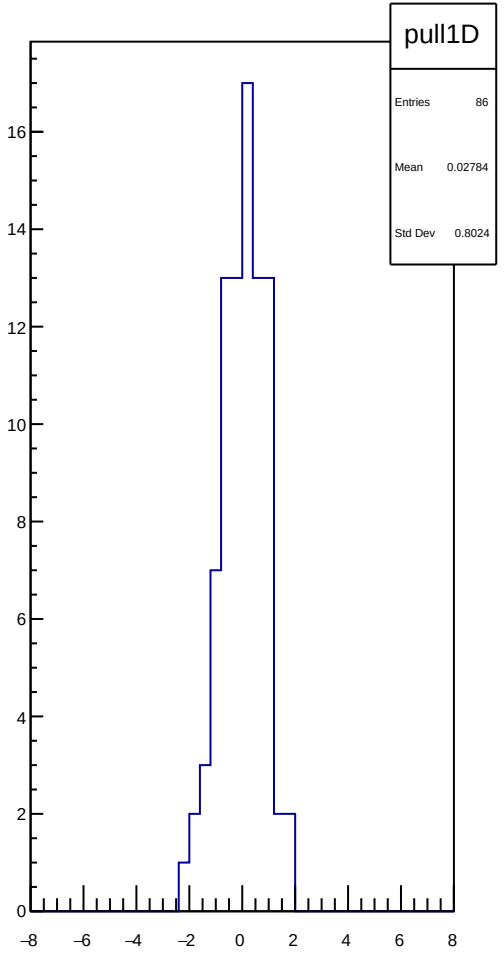

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.76 / 85
p0 3.548 ± 0.6692
pull
Entries 86
Mean −29.25
Std Dev 55.92

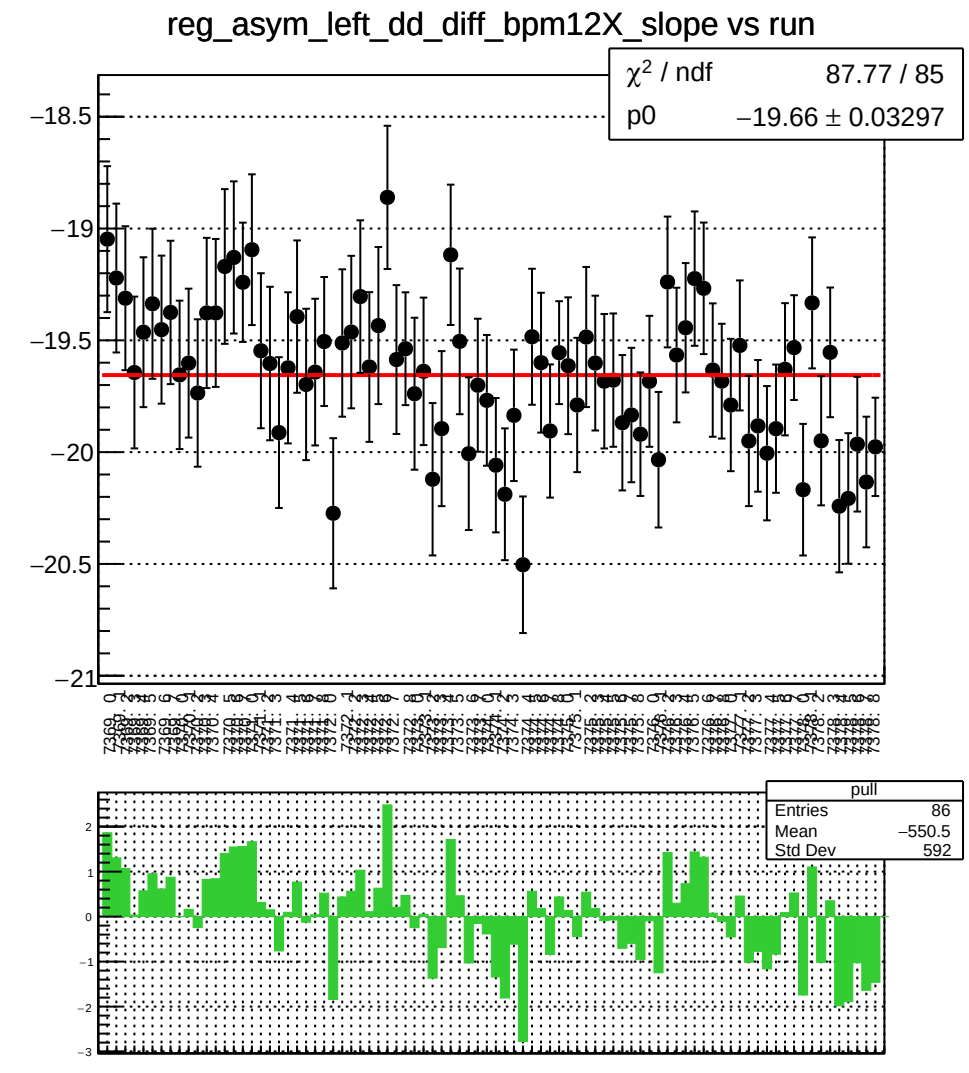

pull1D
Entries 86
Mean −0.02512
Std Dev 0.7903

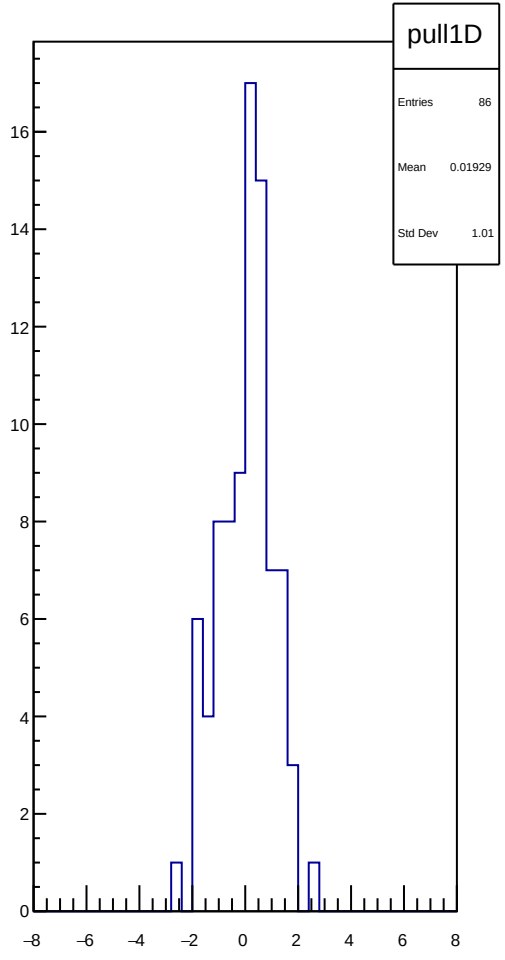

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 39.3 / 85
p0 6.534 ± 0.6292
pull
Entries 86
Mean 161.7
Std Dev 114.2

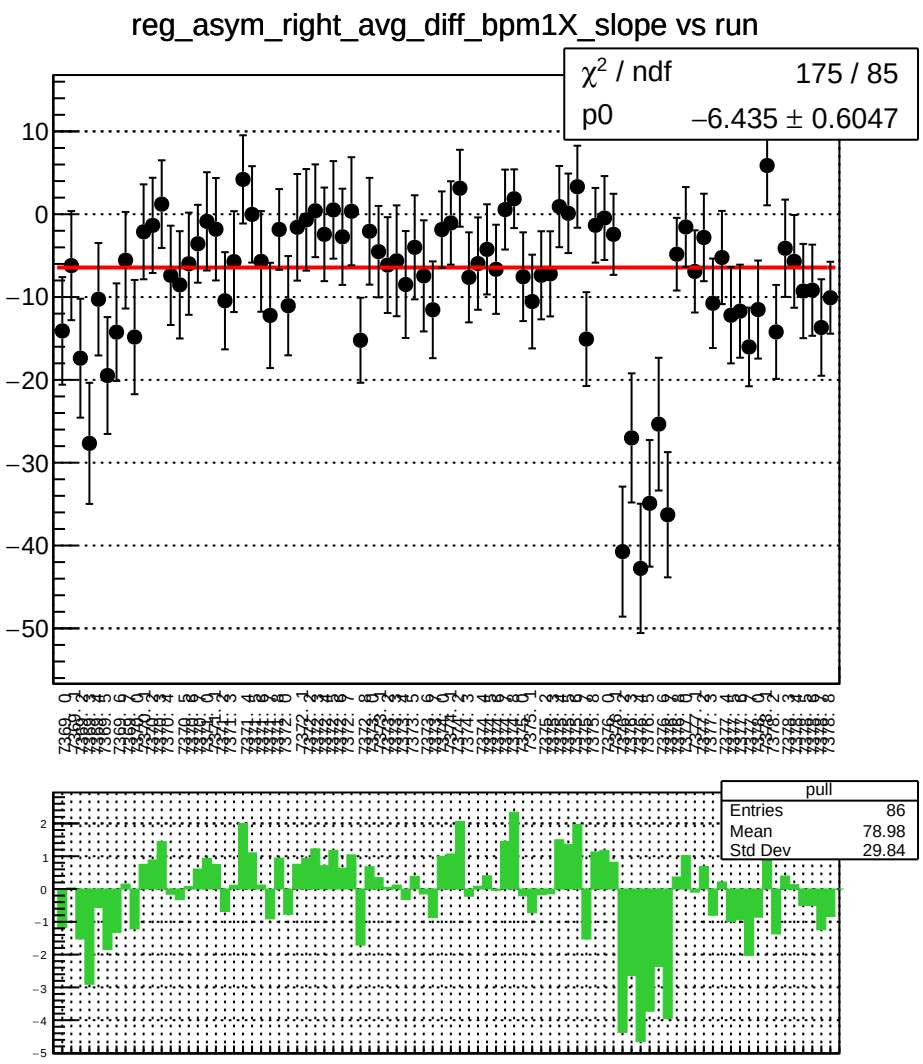

pull1D
Entries 86
Mean 0.01565
Std Dev 0.6758

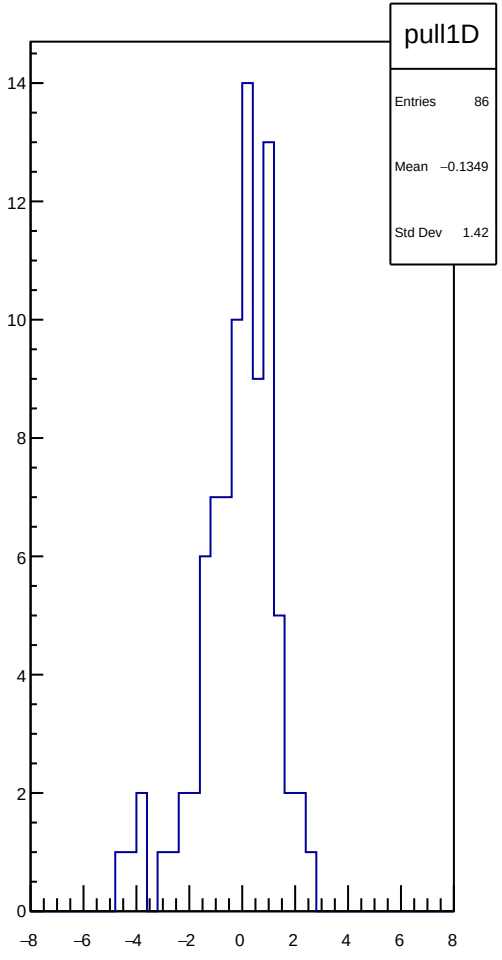

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 55.43 / 85
p0 6.151 ± 0.7136
pull
Entries 86
Mean −92.42
Std Dev 131.3

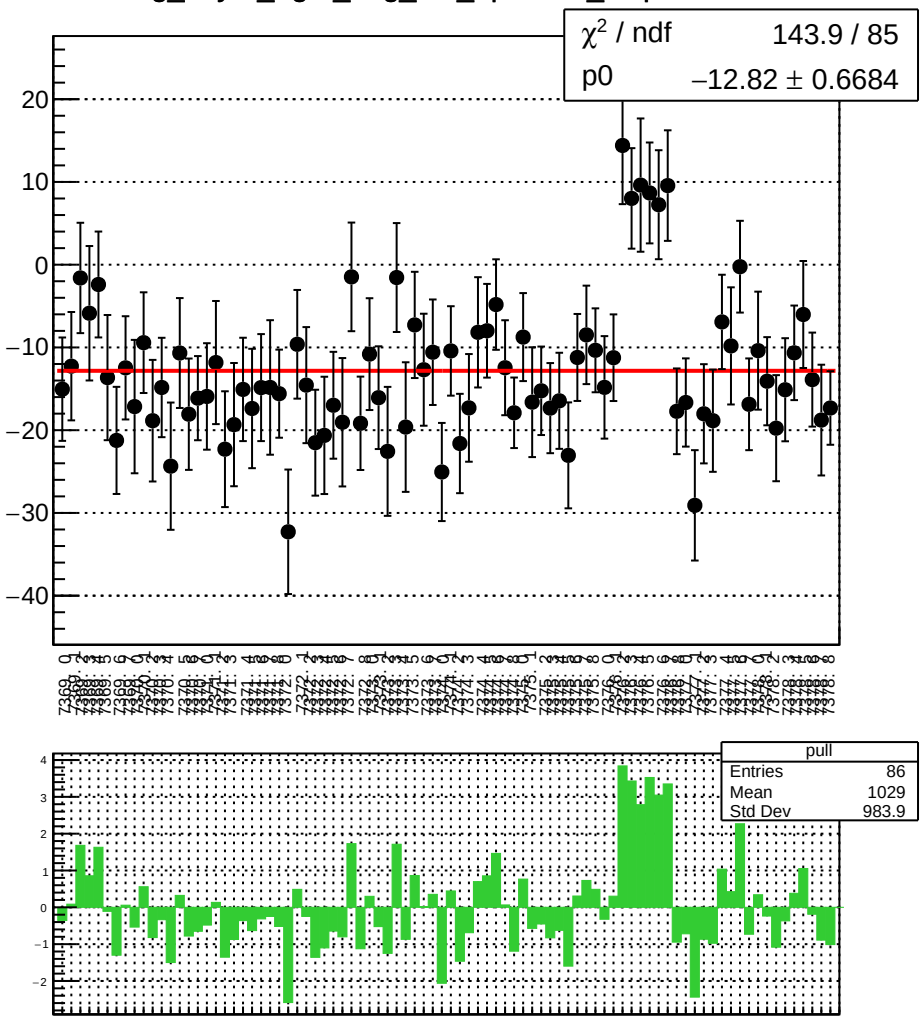

pull1D
Entries 86
Mean 0.02784
Std Dev 0.8024

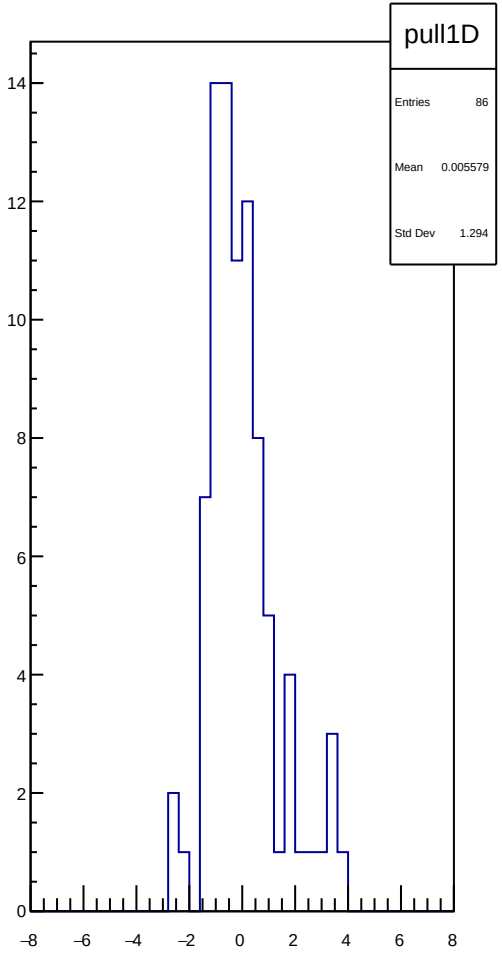

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 87.77 / 85
p0 −19.66 ± 0.03297
−18.5
−19
−19.5
−20
−20.5
−21
pull
Entries 86
Mean −550.5
Std Dev 592
2
1
0
−1
−2
−3

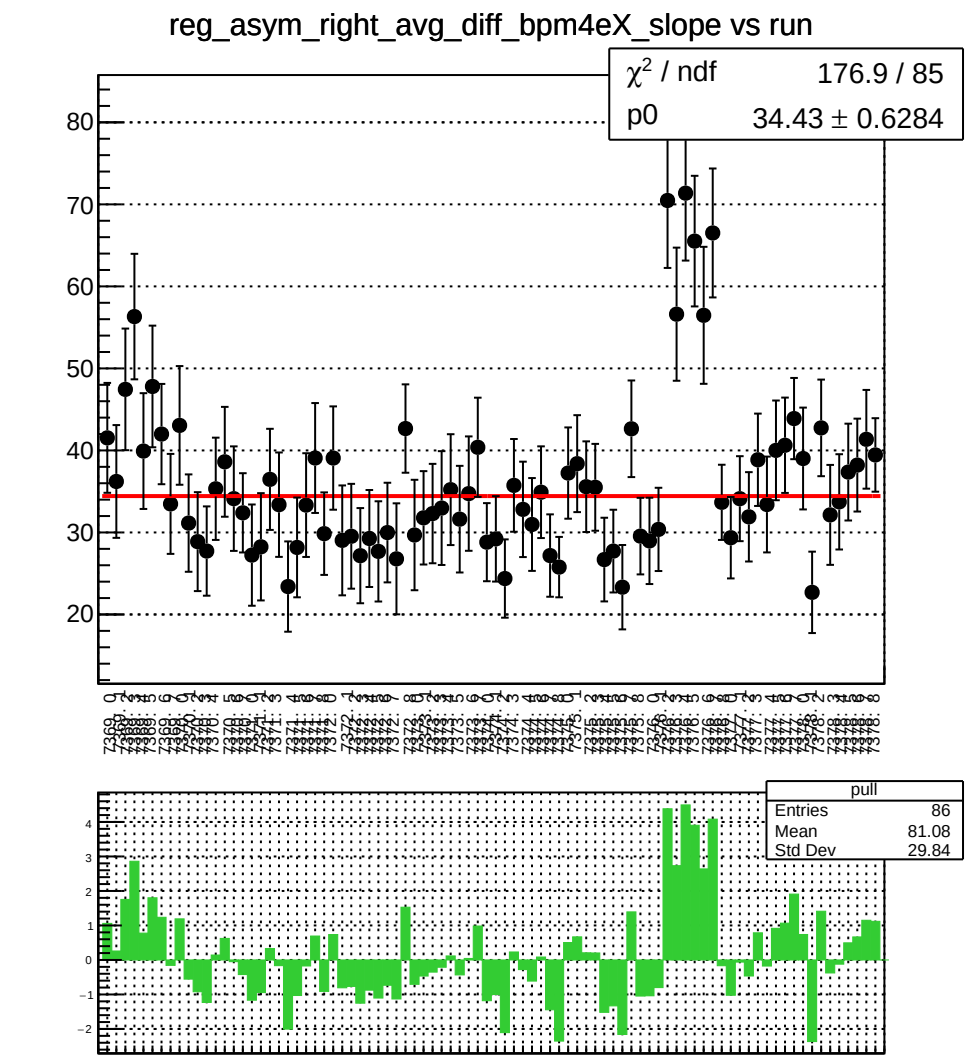

pull1D
Entries 86
Mean 0.01929
Std Dev 1.01
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

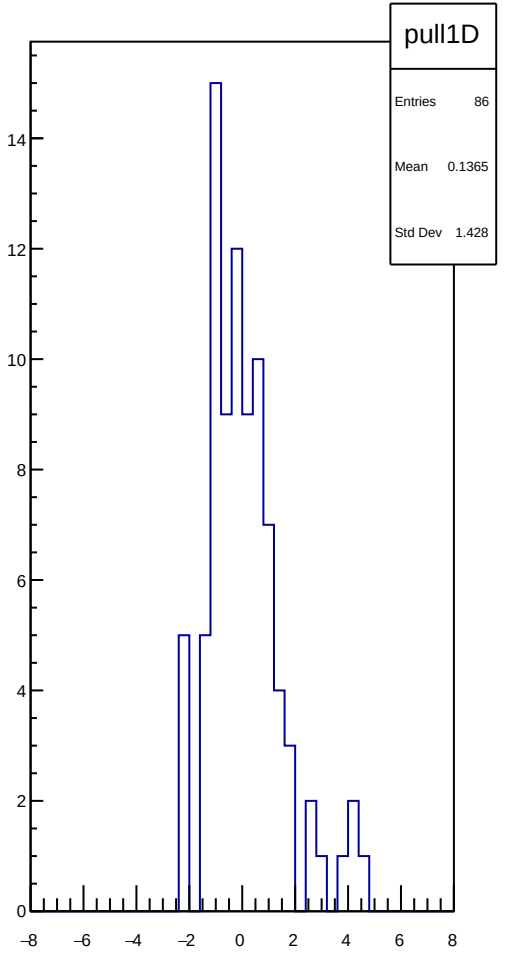

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 175 / 85
p0 −6.435 ± 0.6047
pull
Entries 86
Mean 78.98
Std Dev 29.84

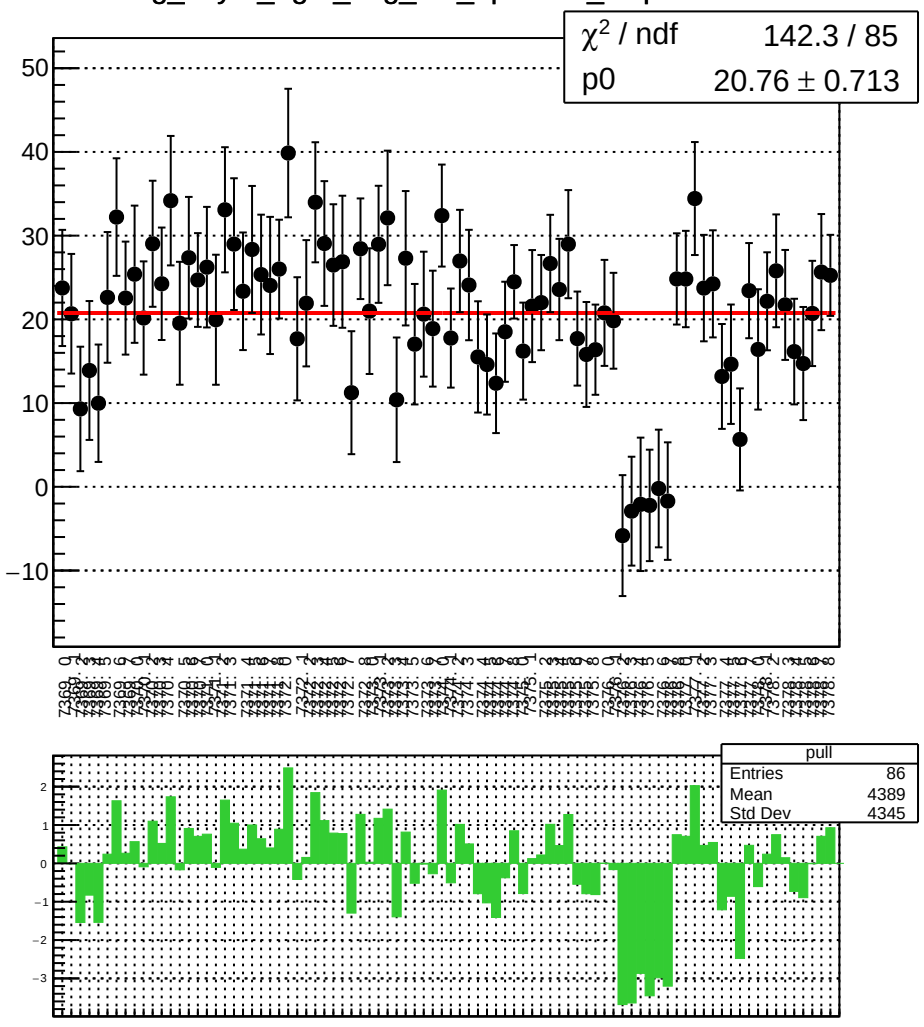

pull1D
Entries 86
Mean −0.1349
Std Dev 1.42

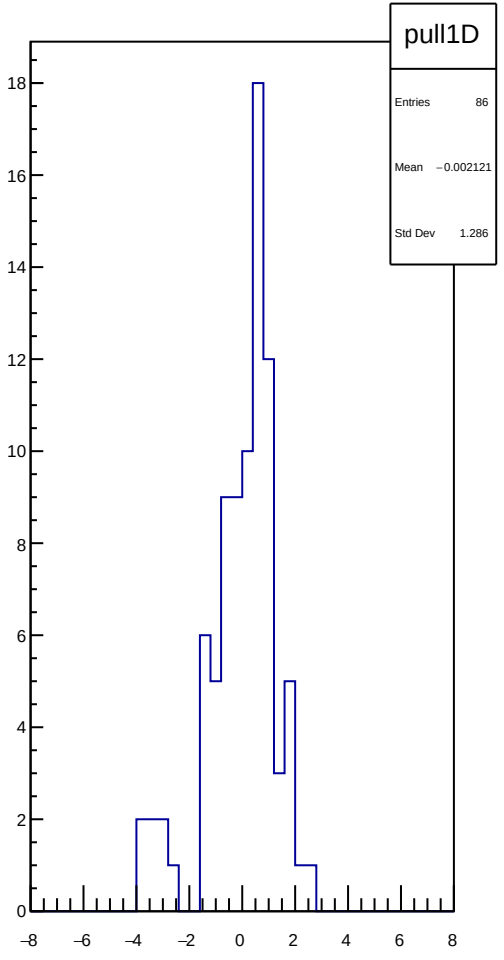

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 143.9 / 85
p0 −12.82 ± 0.6684
pull
Entries 86
Mean 1029
Std Dev 983.9

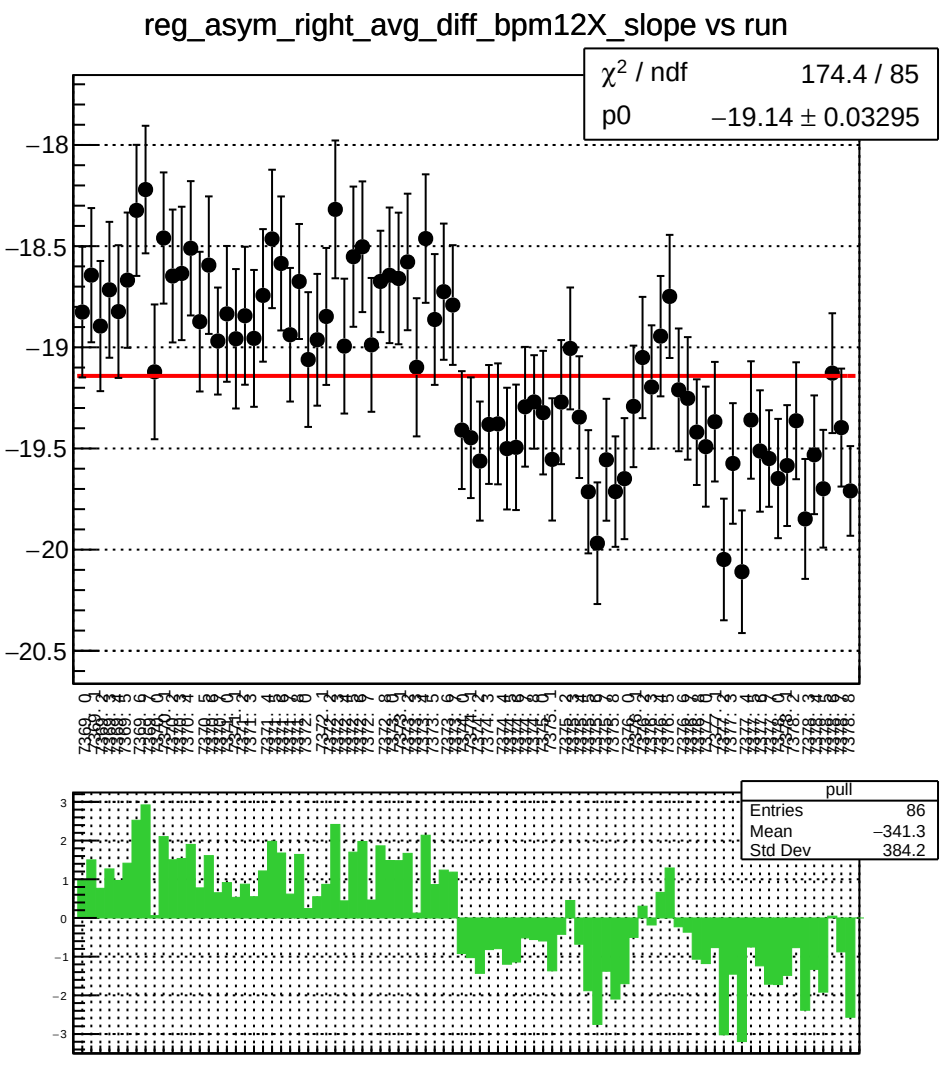

pull1D
Entries 86
Mean 0.005579
Std Dev 1.294

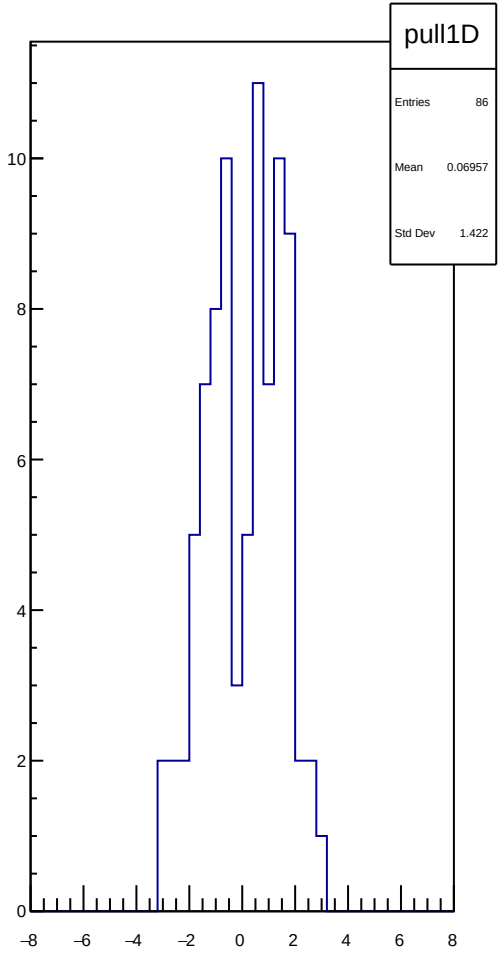

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 176.9 / 85
p0 34.43 ± 0.6284
pull
Entries 86
Mean 81.08
Std Dev 29.84

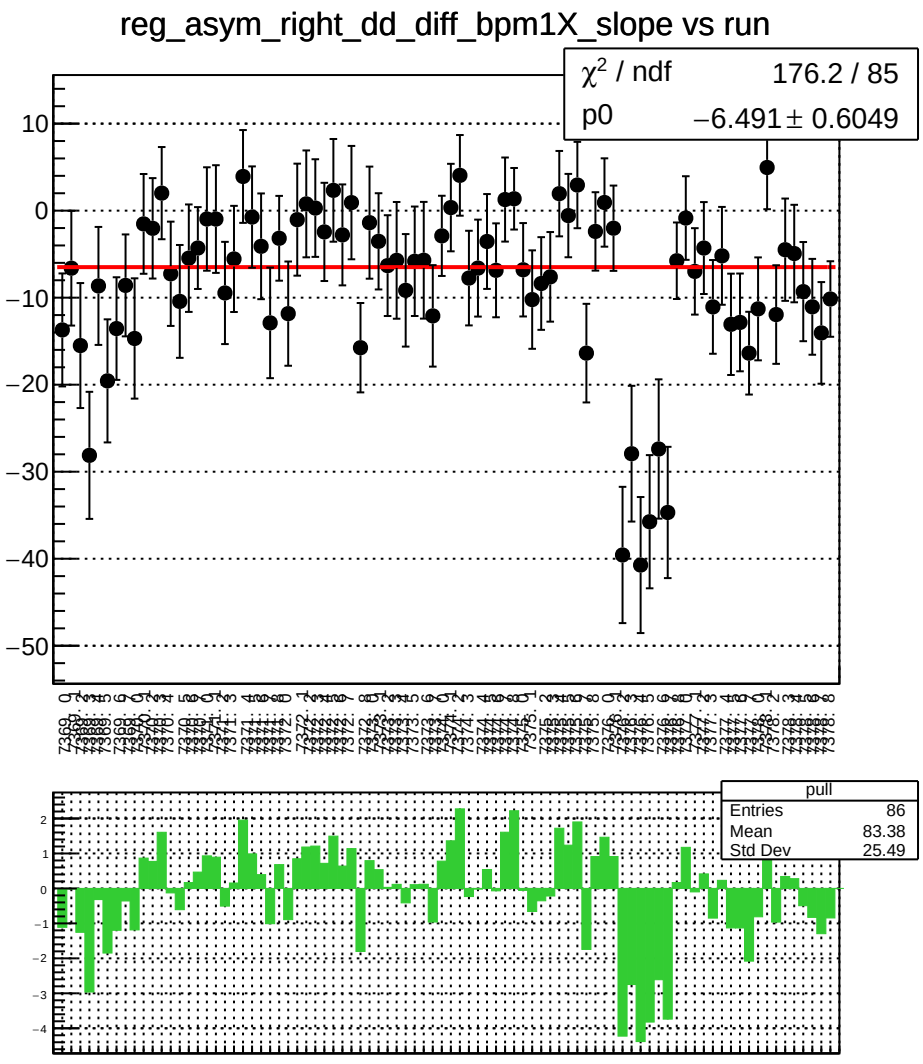

pull1D
Entries 86
Mean 0.1365
Std Dev 1.428

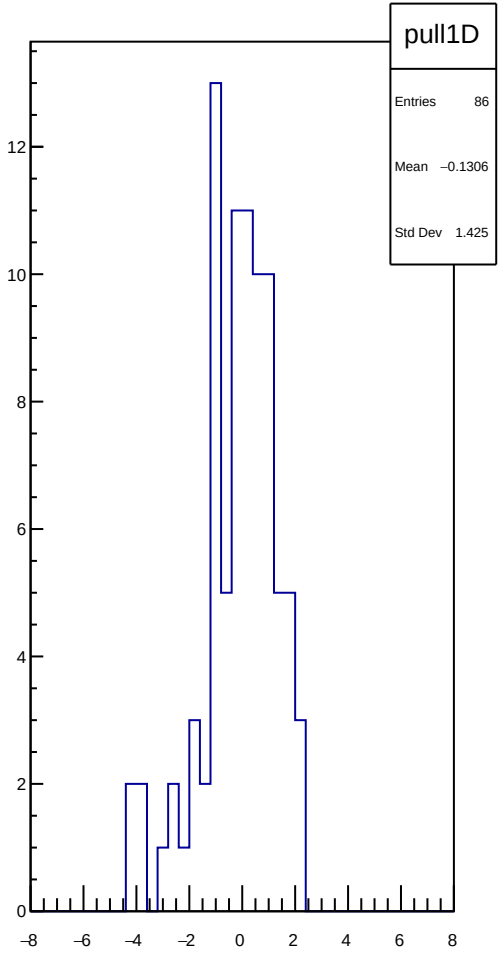

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 142.3 / 85
p0 20.76 ± 0.713
pull
Entries 86
Mean 4389
Std Dev 4345

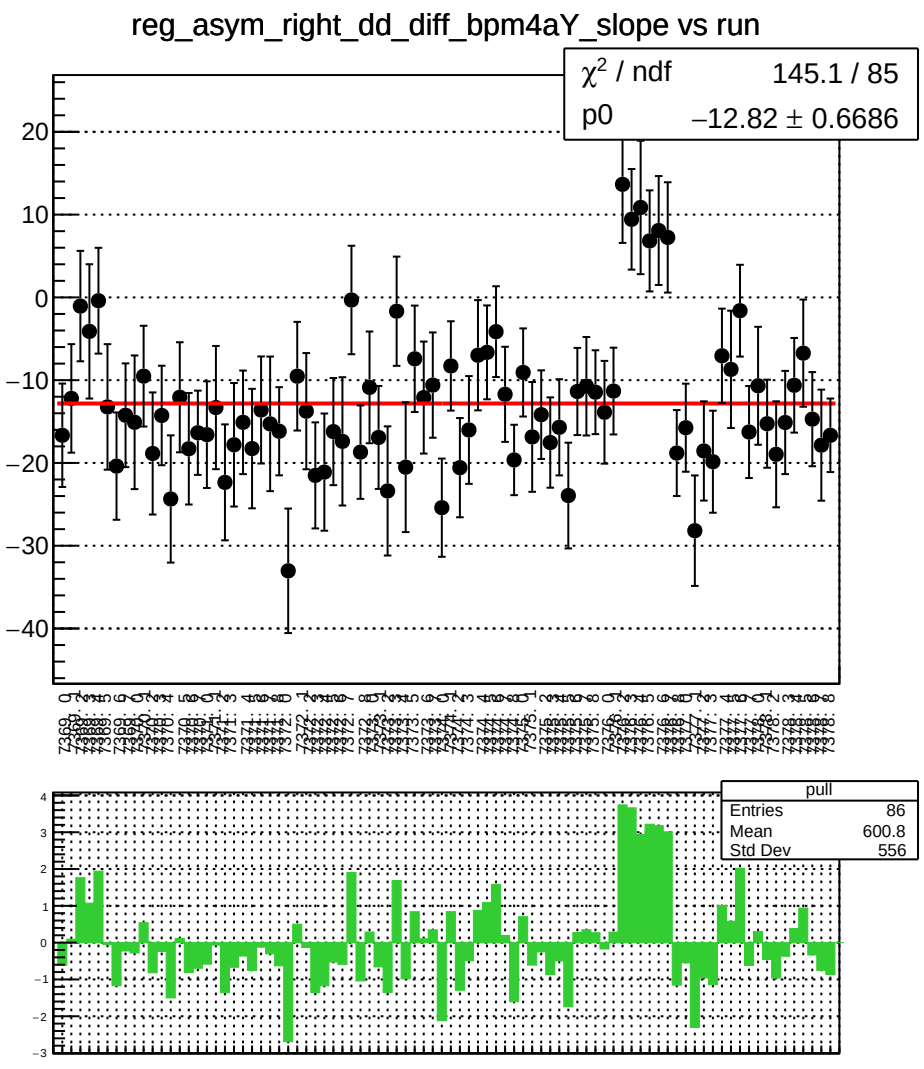

pull1D
Entries 86
Mean −0.002121
Std Dev 1.286

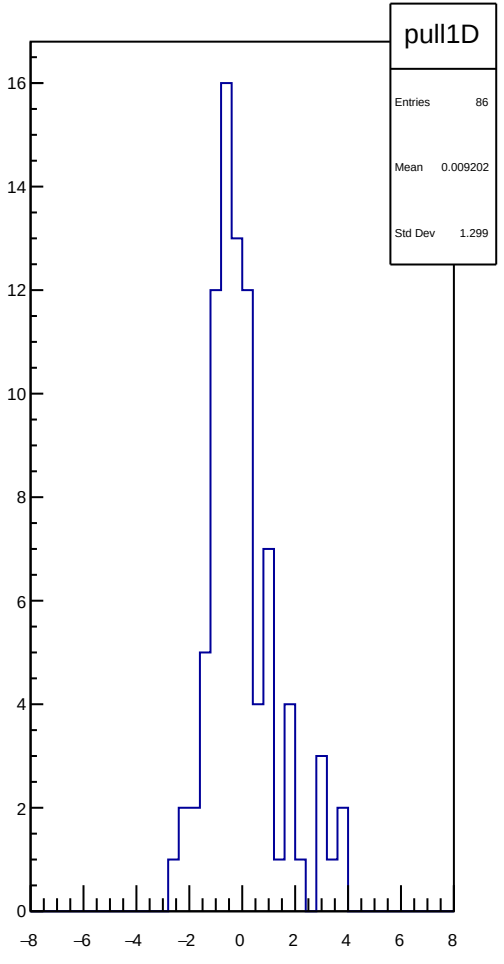

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 174.4 / 85
p0 −19.14 ± 0.03295
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 86
Mean −341.3
Std Dev 384.2
3
2
1
0
−1
−2
−3

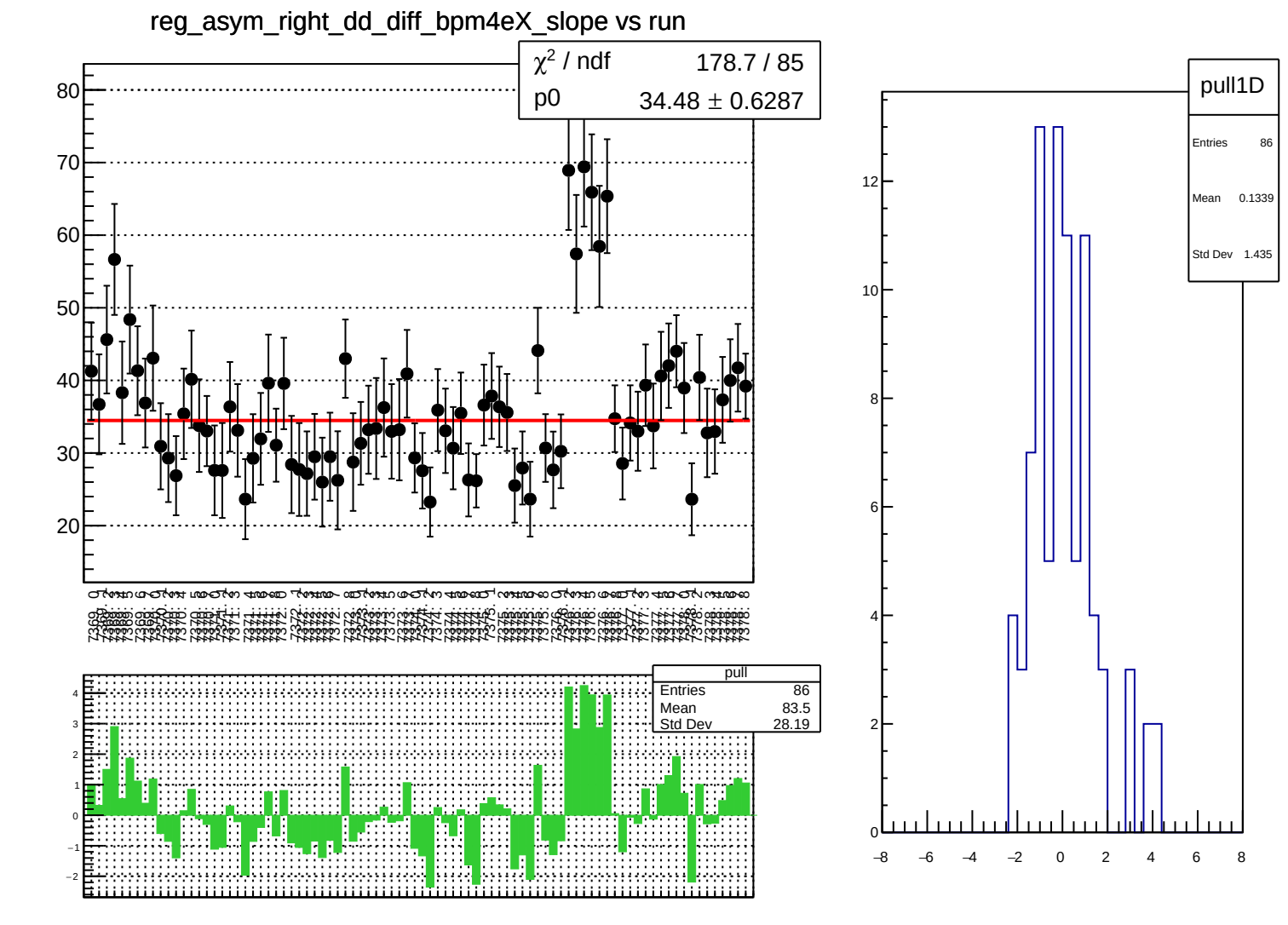

pull1D
Entries 86
Mean 0.06957
Std Dev 1.422
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

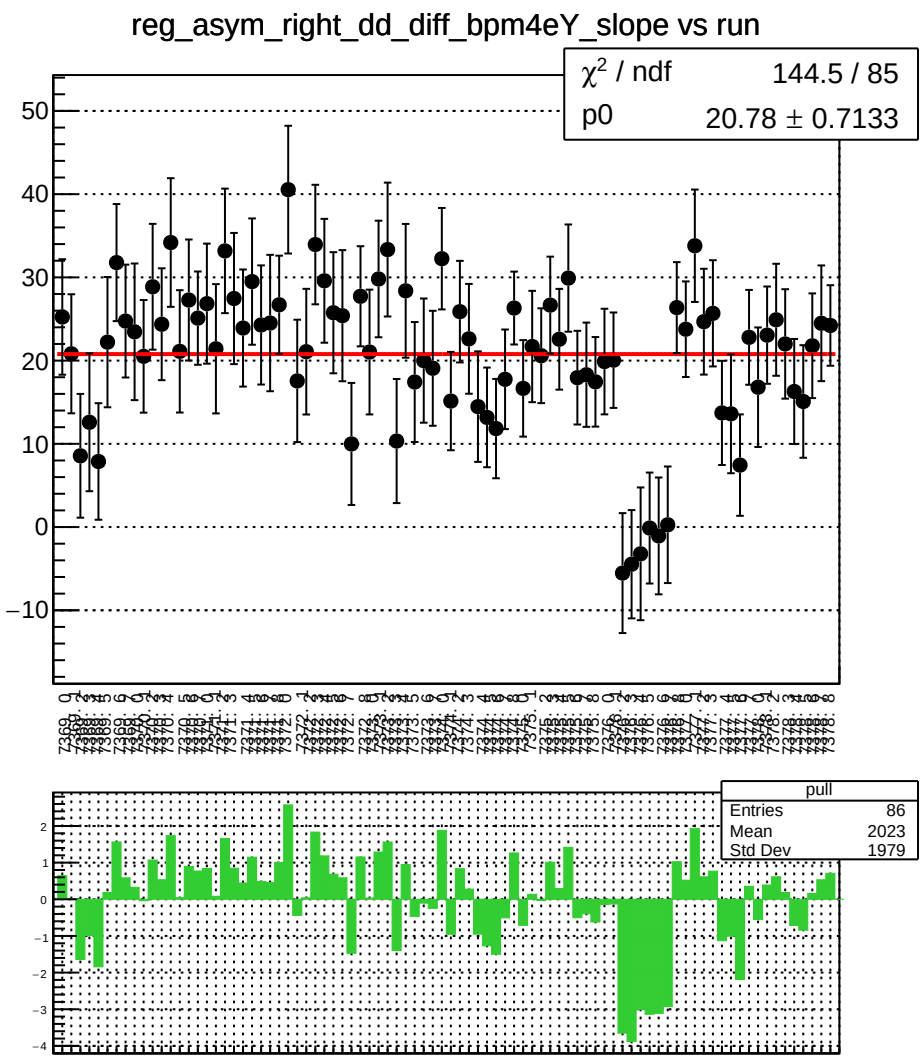

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 176.2 / 85
p0 −6.491 ± 0.6049
pull
Entries 86
Mean 83.38
Std Dev 25.49

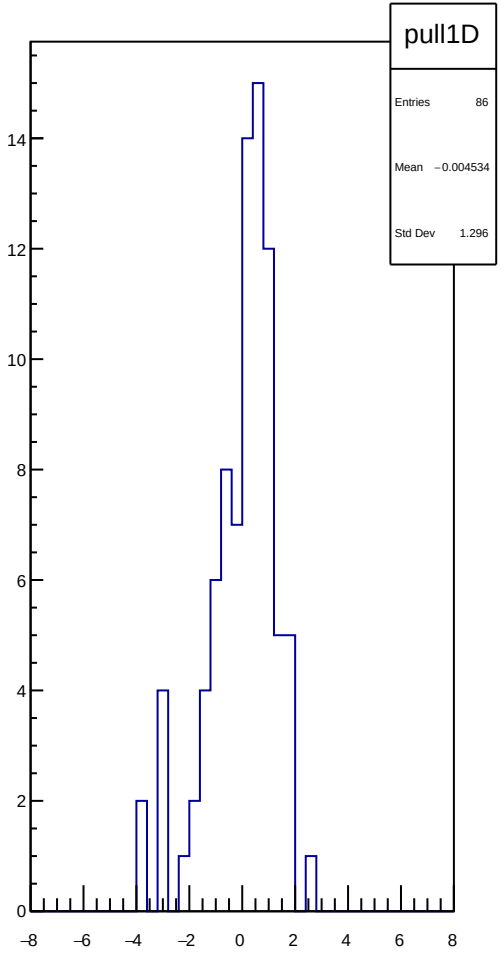

pull1D
Entries 86
Mean −0.1306
Std Dev 1.425

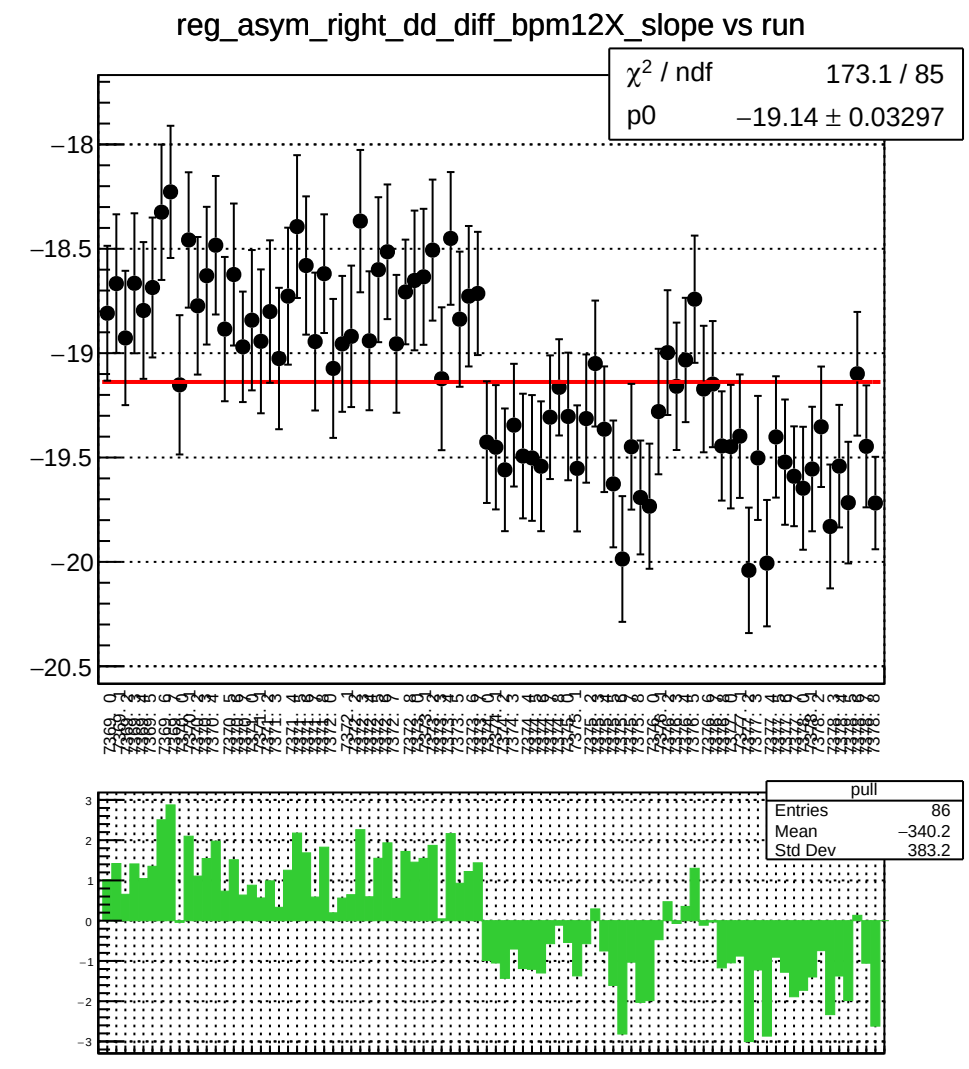

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 145.1 / 85
p0 −12.82 ± 0.6686
pull
Entries 86
Mean 600.8
Std Dev 556

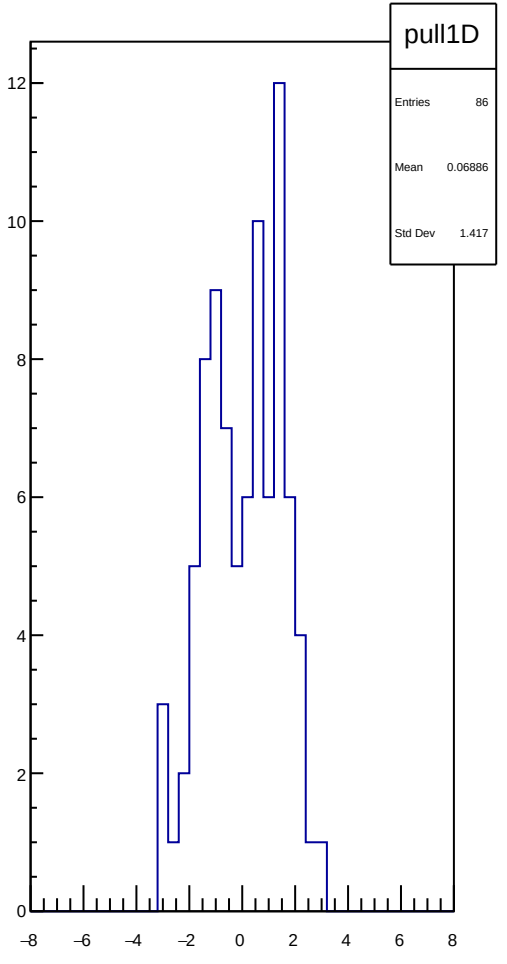

pull1D
Entries 86
Mean 0.009202
Std Dev 1.299

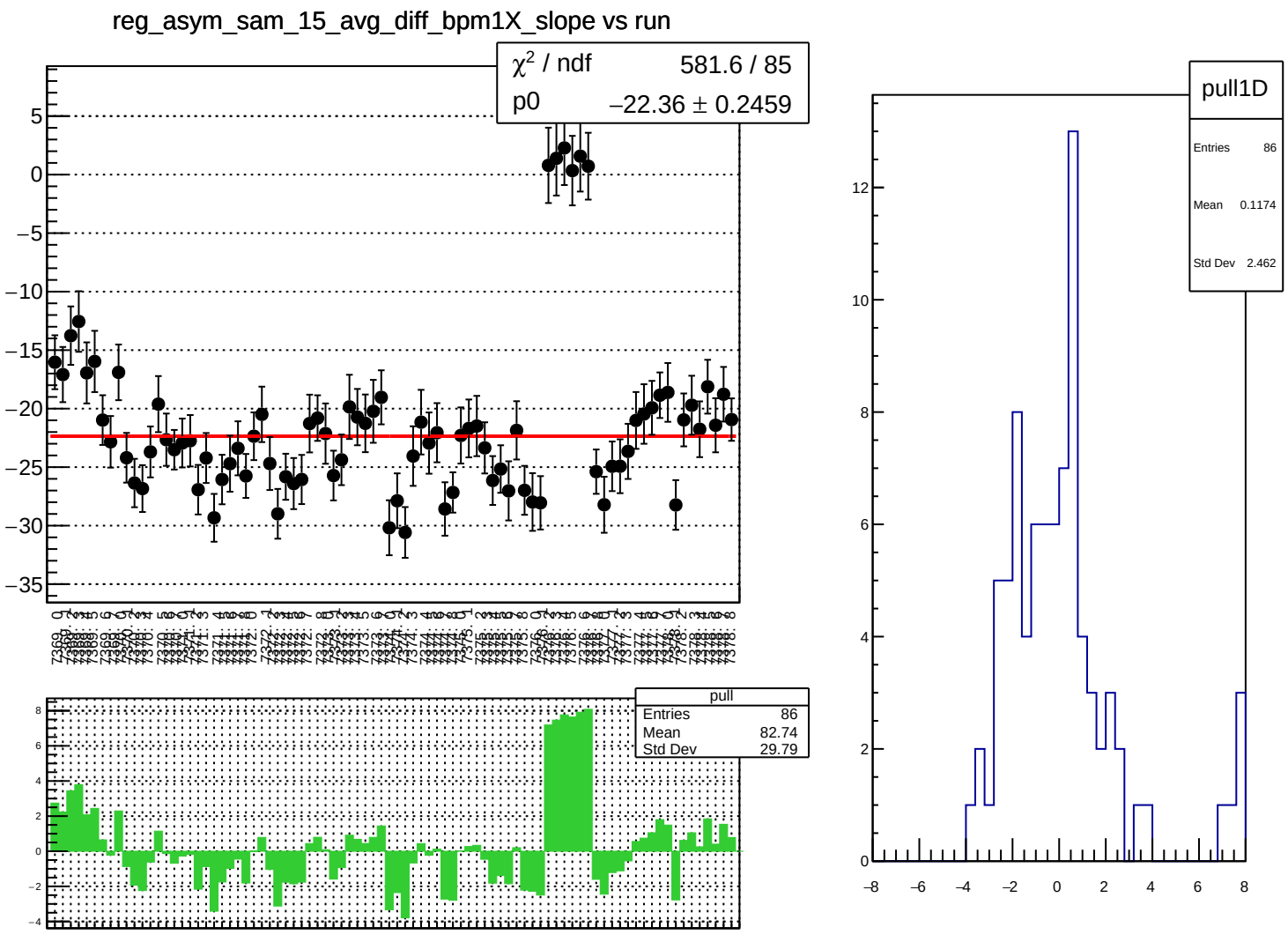

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 178.7 / 85
p0 34.48 ± 0.6287
pull
Entries 86
Mean 83.5
Std Dev 28.19
pull1D
Entries 86
Mean 0.1339
Std Dev 1.435

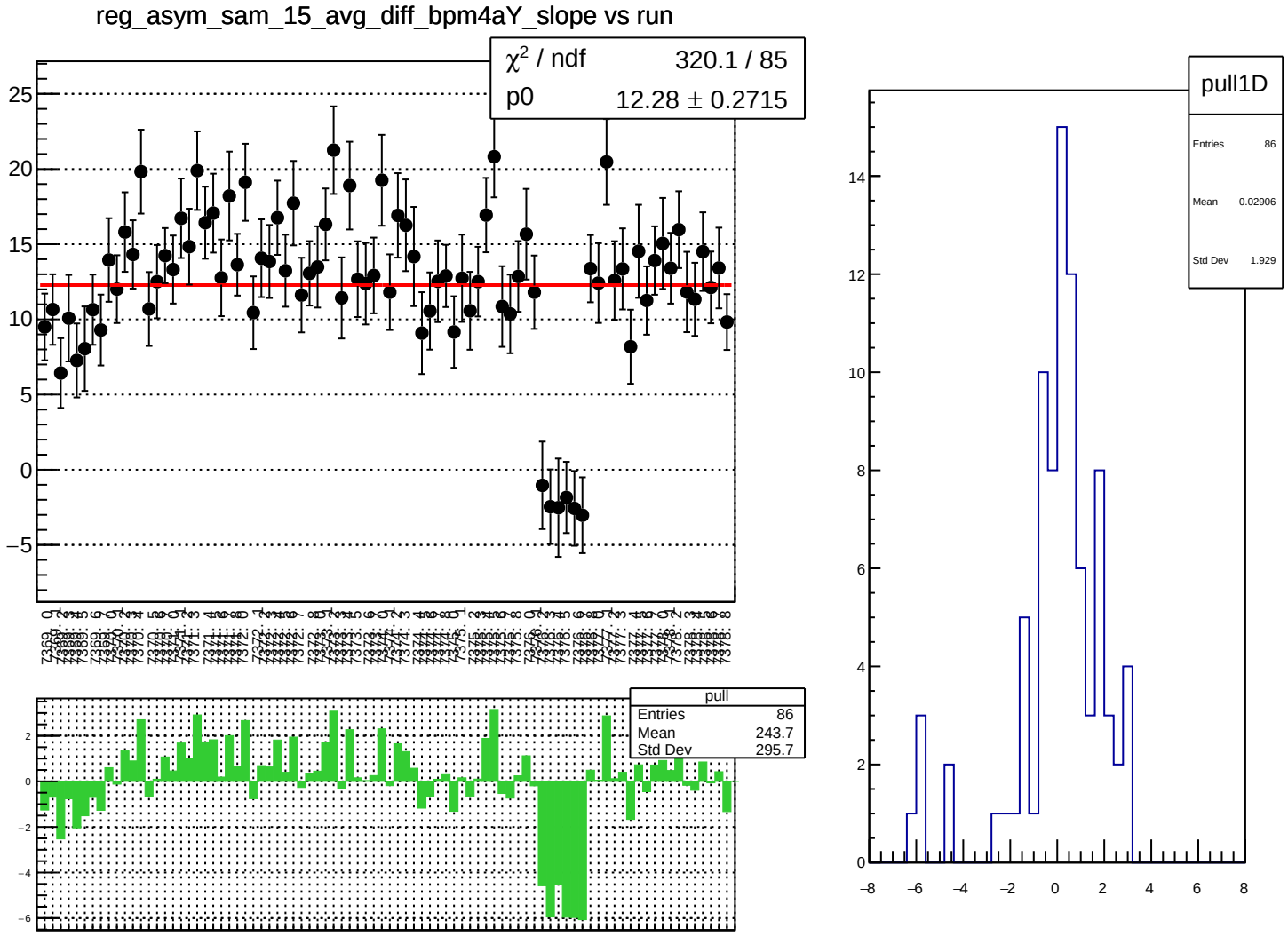

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 144.5 / 85
p0 20.78 ± 0.7133
pull
Entries 86
Mean 2023
Std Dev 1979

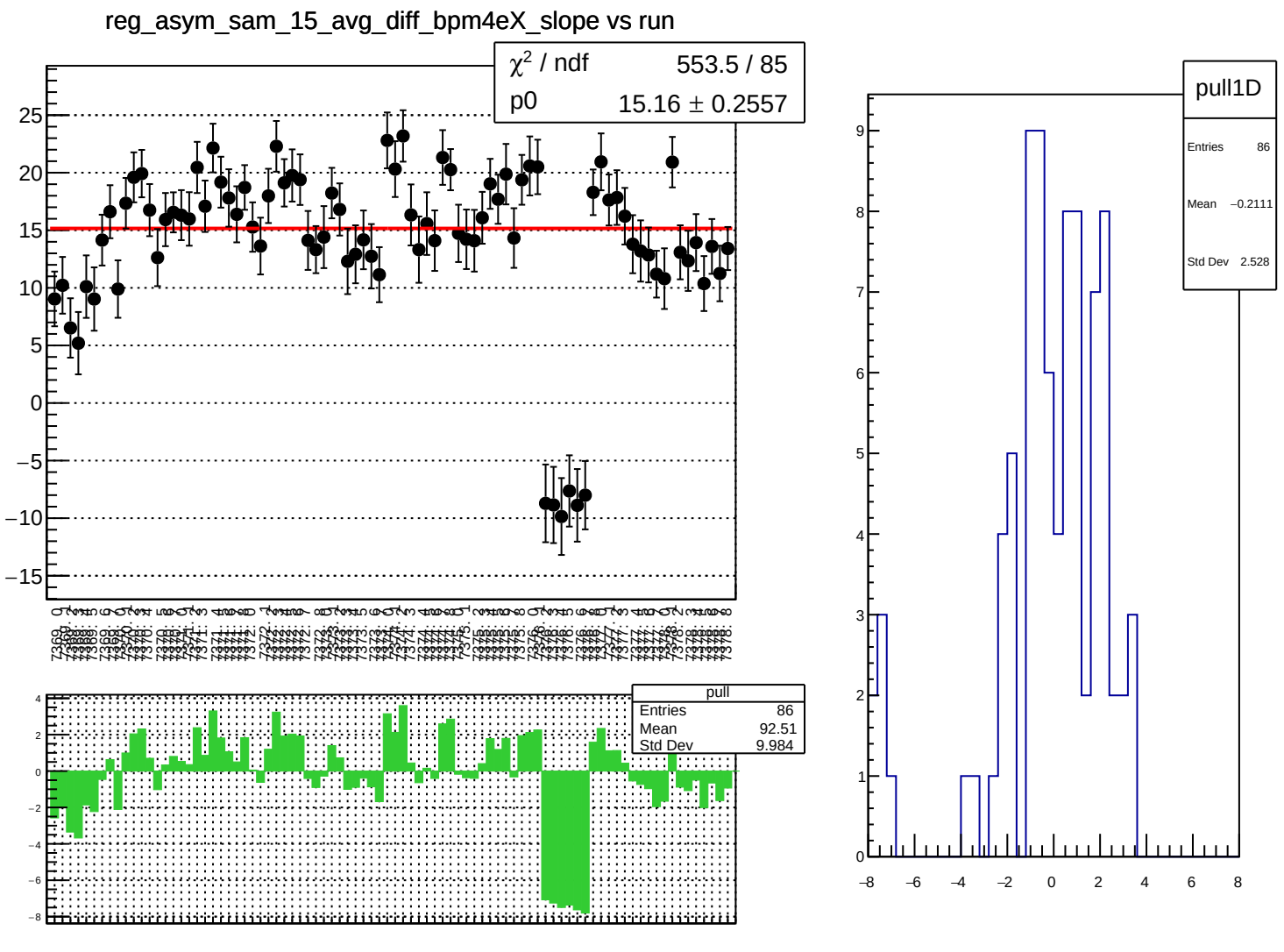

pull1D
Entries 86
Mean −0.004534
Std Dev 1.296

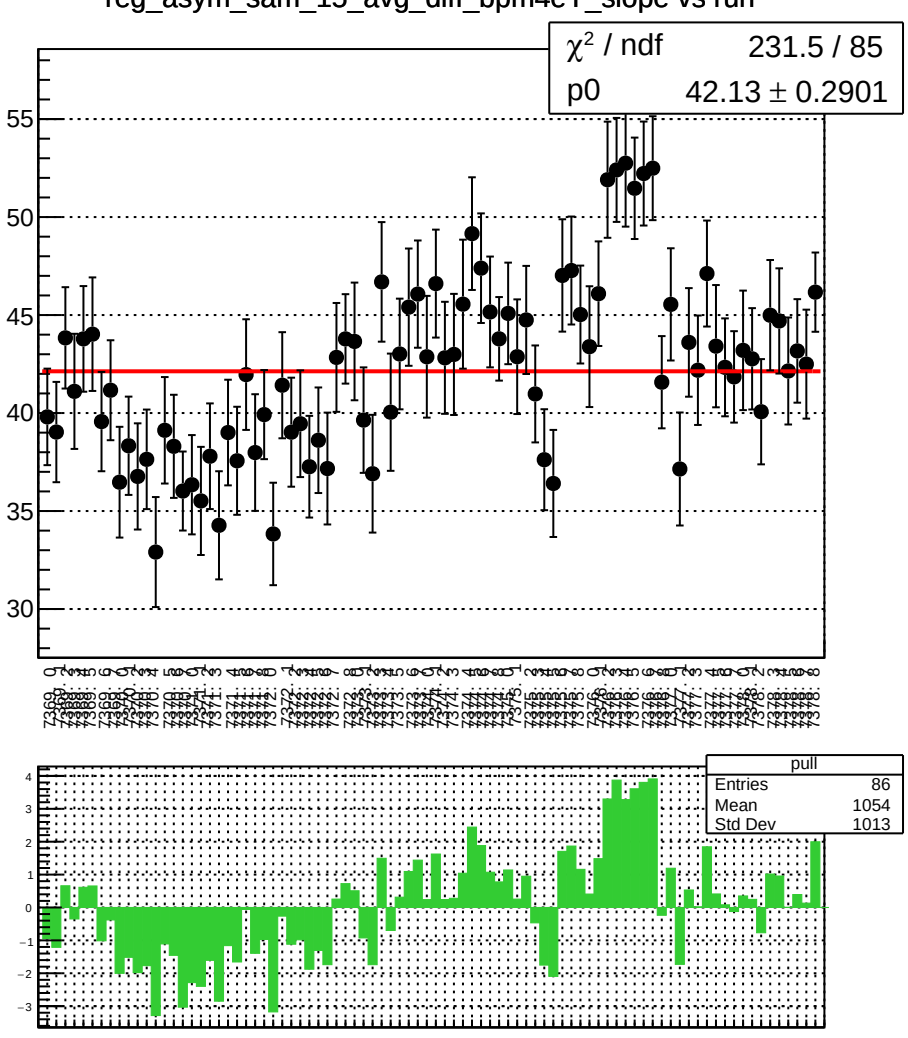

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 173.1 / 85
p0 −19.14 ± 0.03297
−18
−18.5
−19
−19.5
−20
−20.5
pull
Entries 86
Mean −340.2
Std Dev 383.2
3
2
1
0
−1
−2
−3

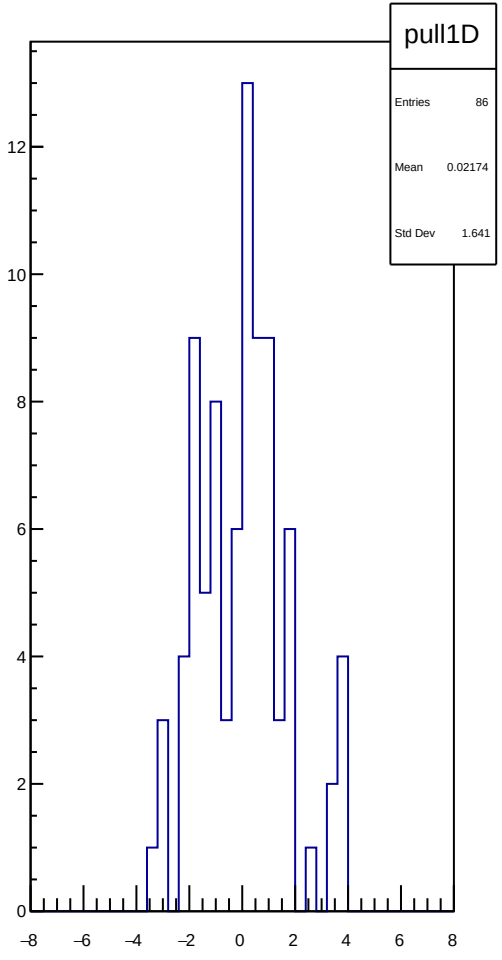

pull1D
Entries 86
Mean 0.06886
Std Dev 1.417
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

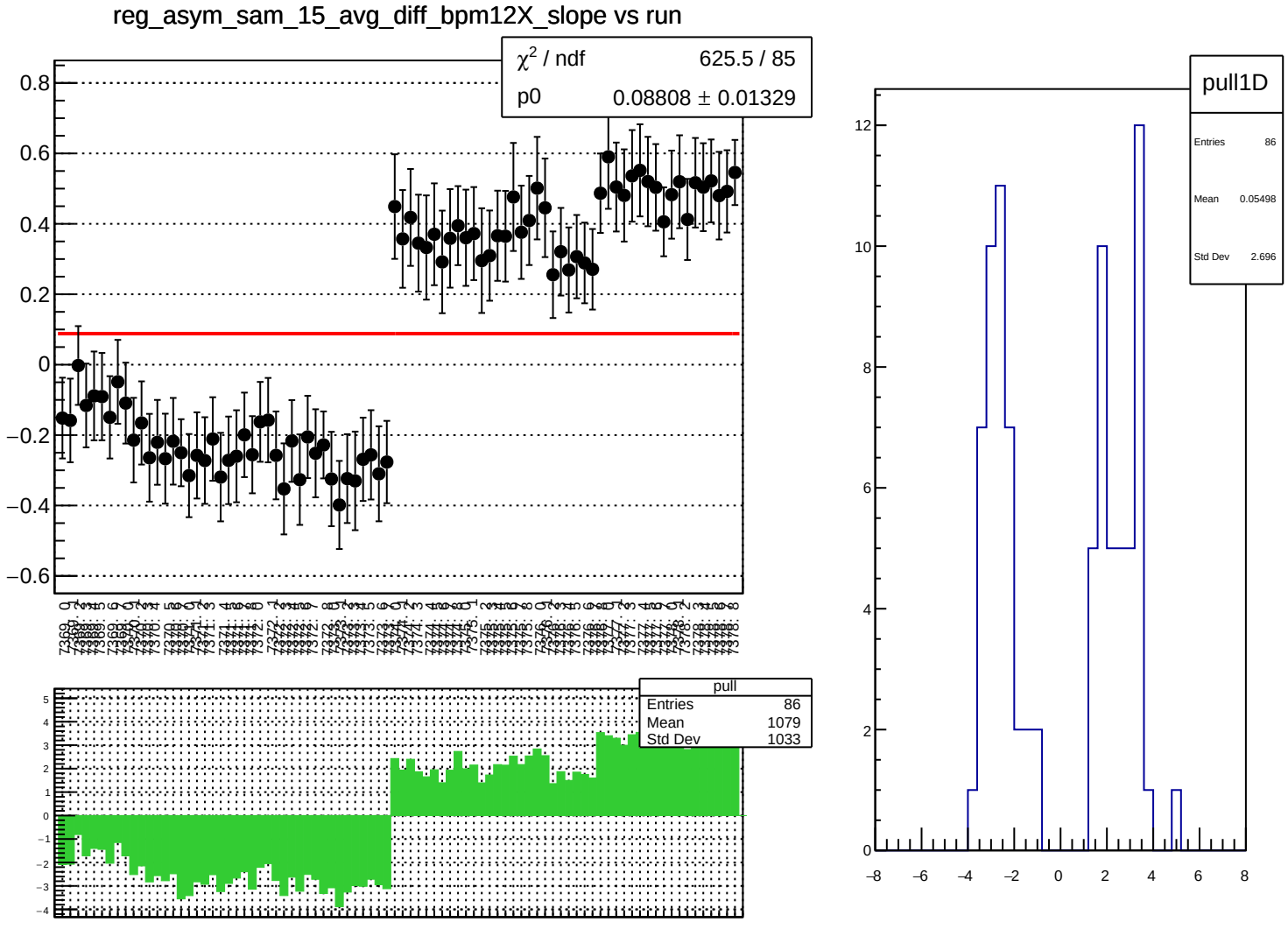

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 581.6 / 85
p0 −22.36 ± 0.2459
pull
Entries 86
Mean 82.74
Std Dev 29.79
pull1D
Entries 86
Mean 0.1174
Std Dev 2.462

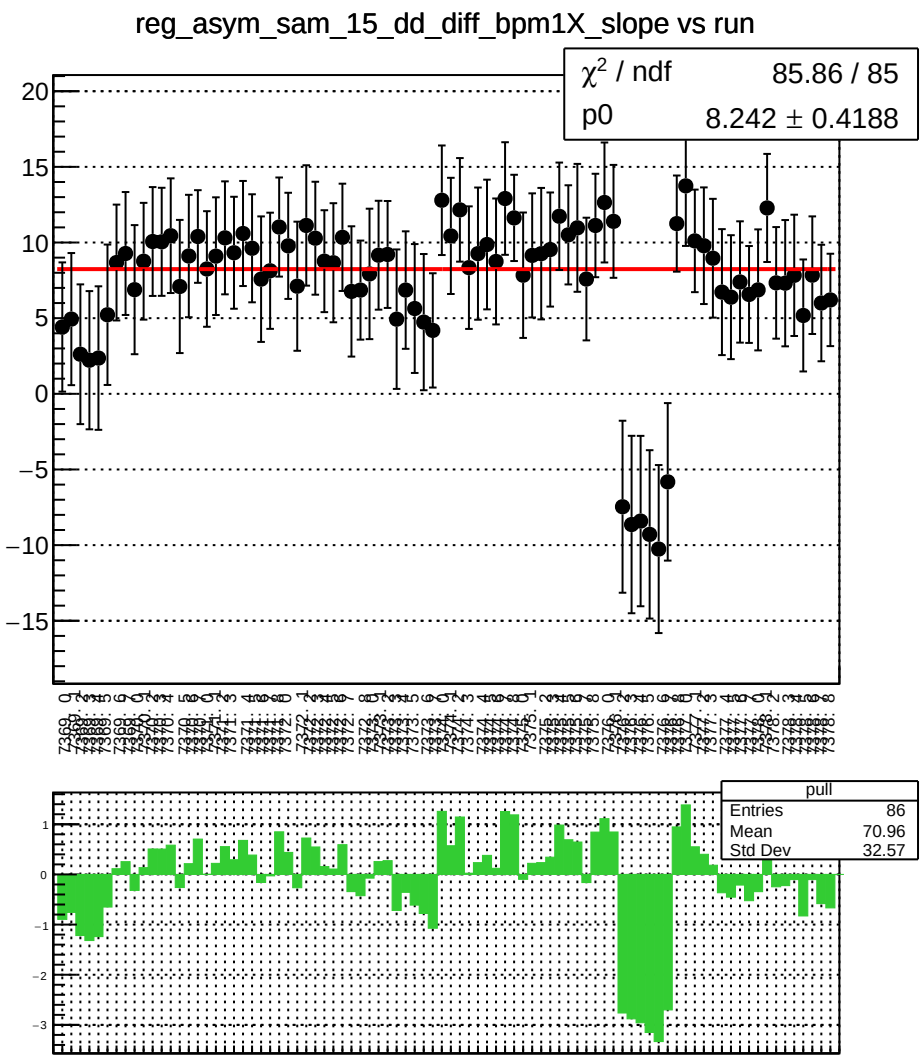

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 320.1 / 85
p0 12.28 ± 0.2715
pull
Entries 86
Mean −243.7
Std Dev 295.7
pull1D
Entries 86
Mean 0.02906
Std Dev 1.929

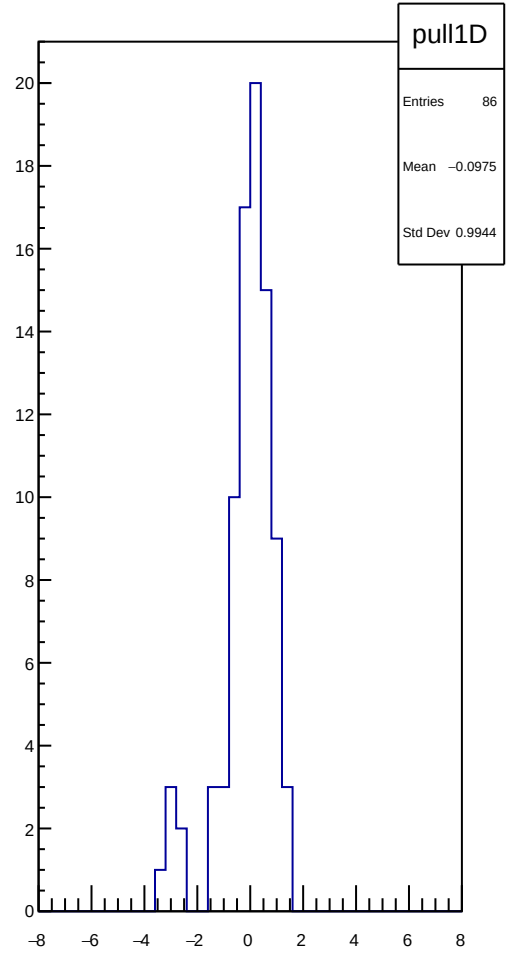

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 553.5 / 85
p0 15.16 ± 0.2557
pull
Entries 86
Mean 92.51
Std Dev 9.984
pull1D
Entries 86
Mean −0.2111
Std Dev 2.528

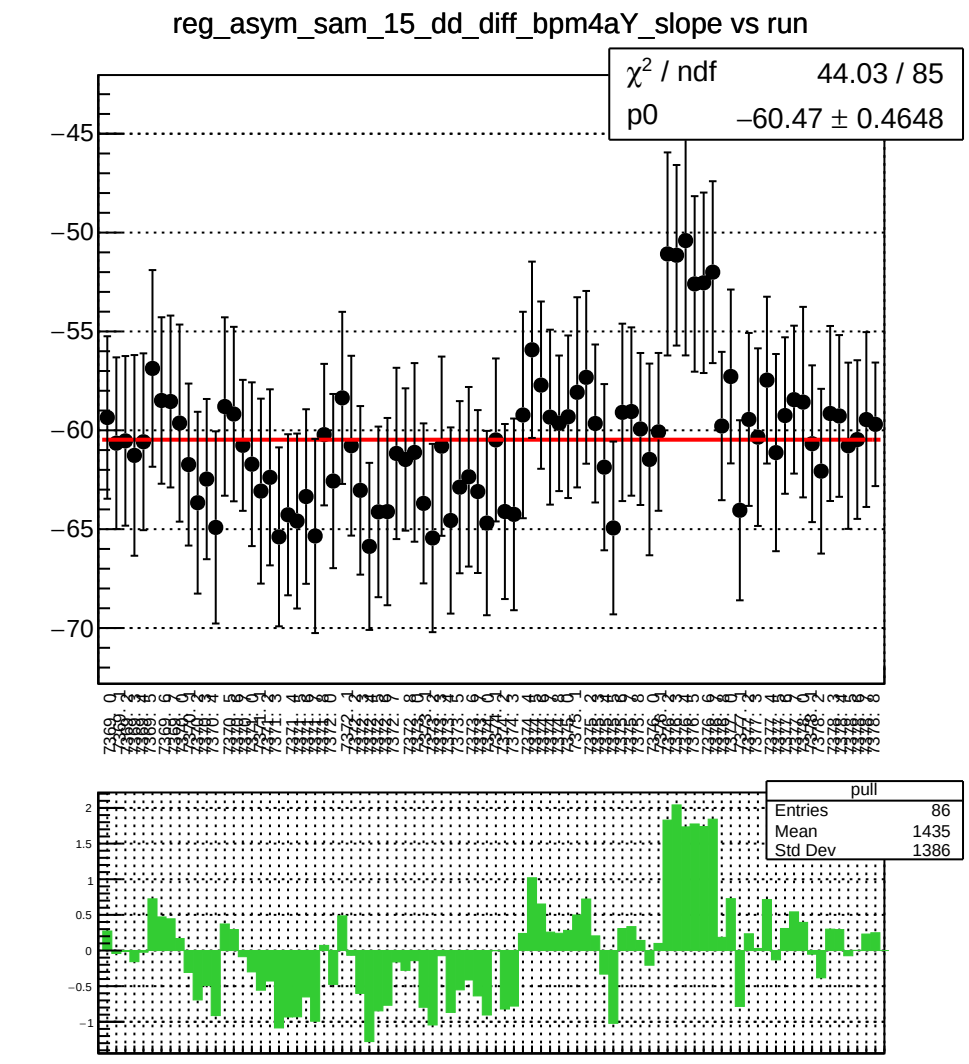

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 231.5 / 85
p0 42.13 ± 0.2901
pull
Entries 86
Mean 1054
Std Dev 1013

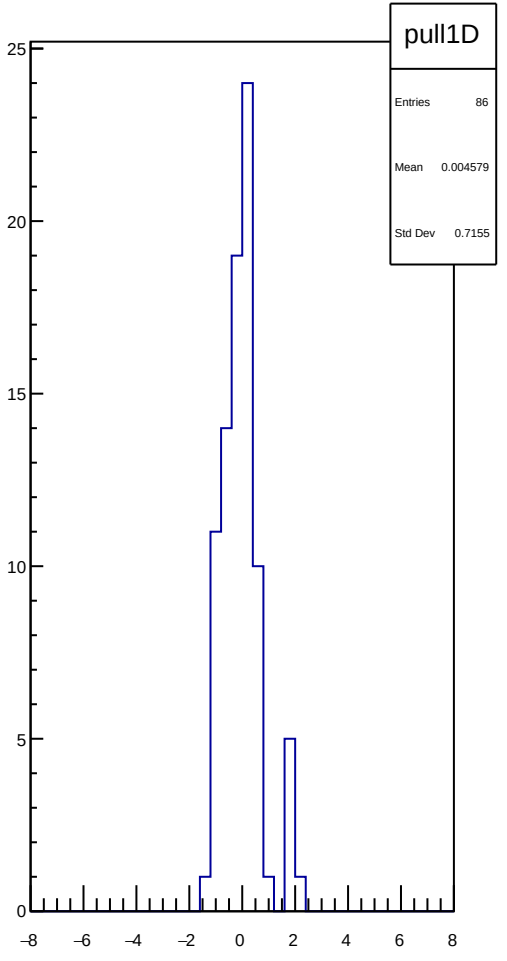

pull1D
Entries 86
Mean 0.02174
Std Dev 1.641

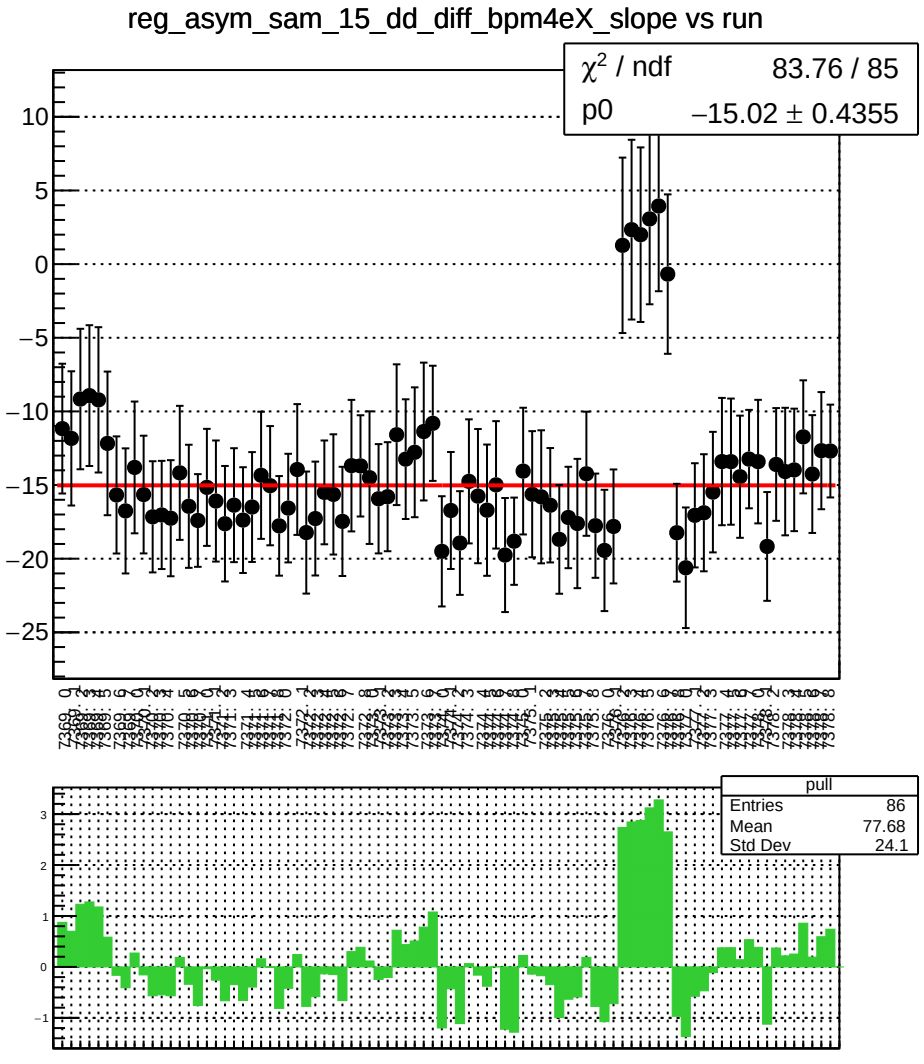

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 625.5 / 85
p0 0.08808 ± 0.01329
pull
Entries 86
Mean 1079
Std Dev 1033
pull1D
Entries 86
Mean 0.05498
Std Dev 2.696

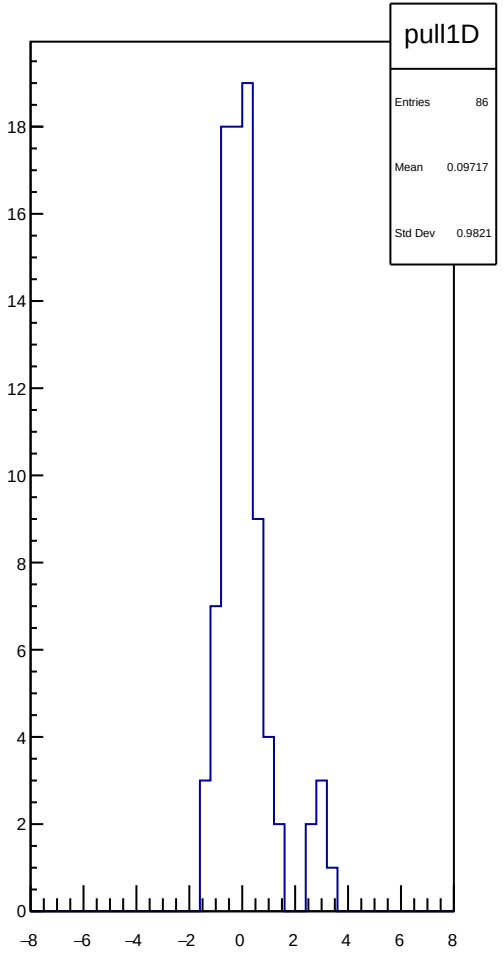

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 85.86 / 85
p0 8.242 ± 0.4188
pull
Entries 86
Mean 70.96
Std Dev 32.57

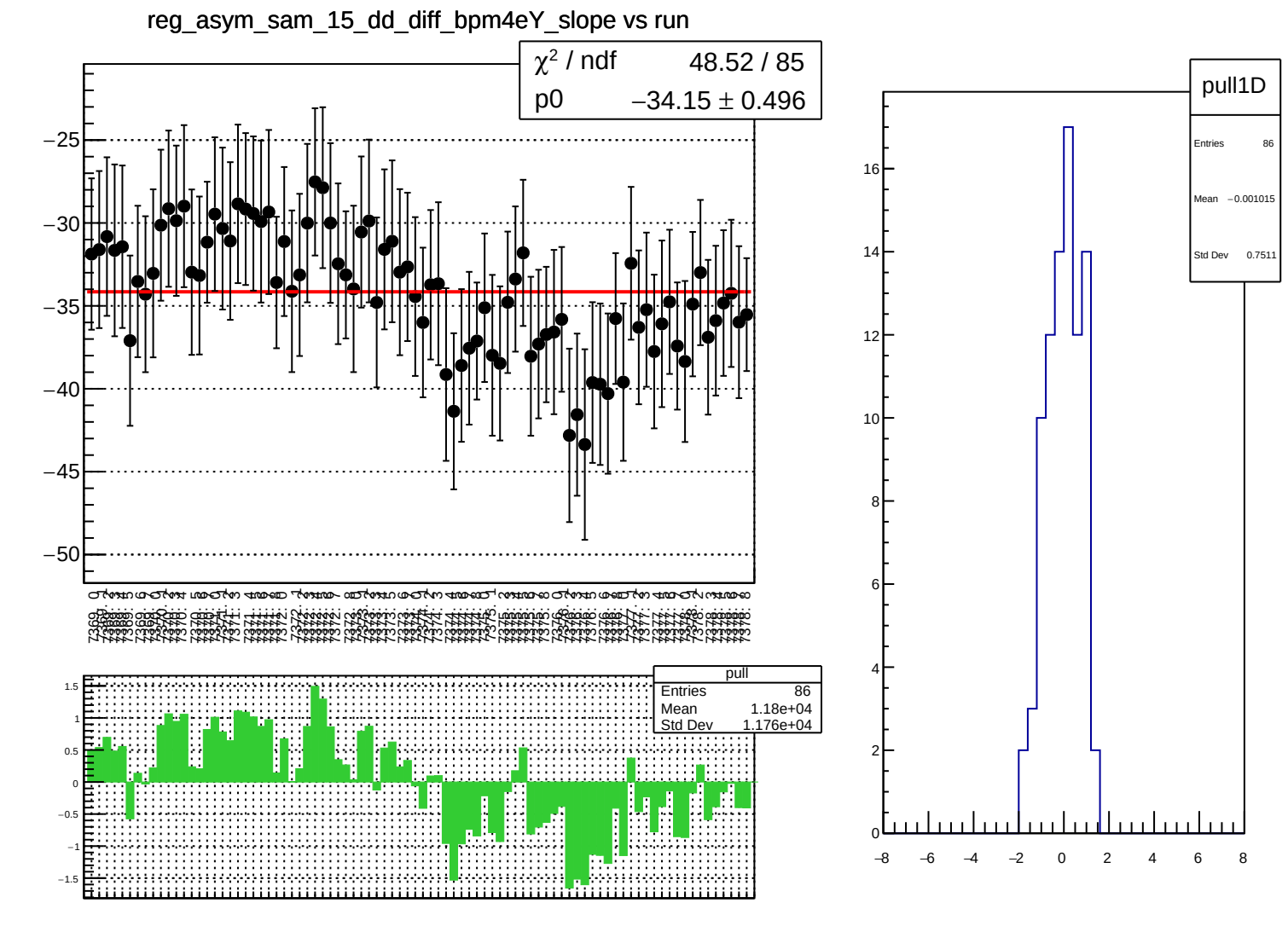

pull1D
Entries 86
Mean −0.0975
Std Dev 0.9944

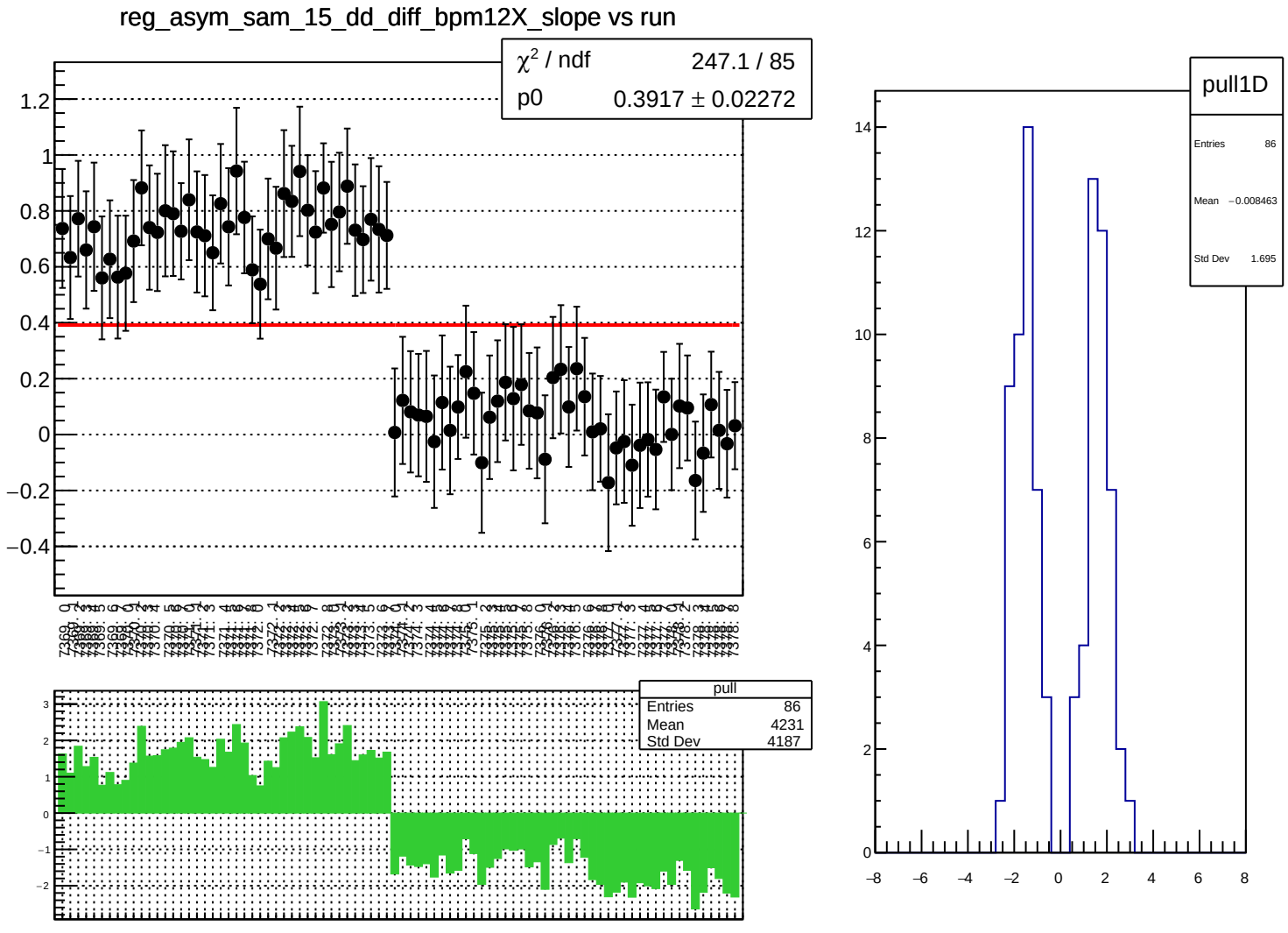

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.03 / 85
p0 −60.47 ± 0.4648
pull
Entries 86
Mean 1435
Std Dev 1386

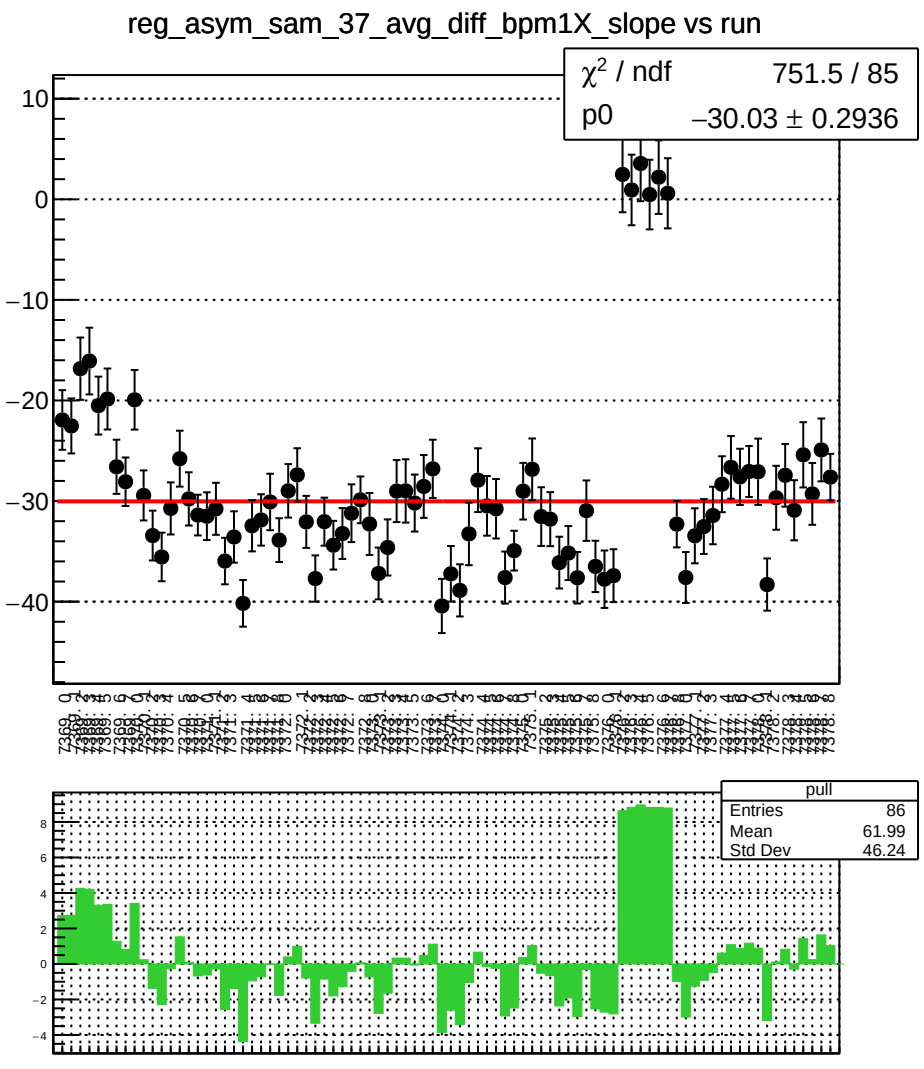

pull1D
Entries 86
Mean 0.004579
Std Dev 0.7155

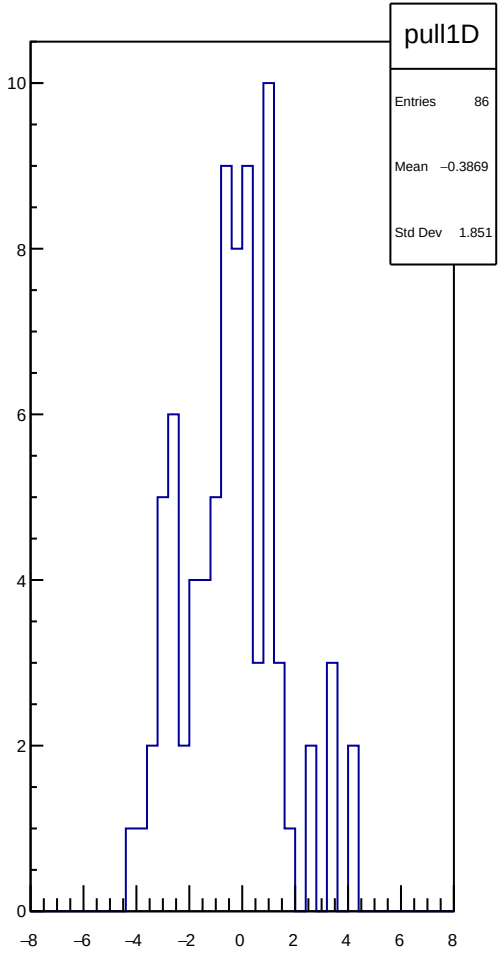

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 83.76 / 85
p0 −15.02 ± 0.4355
pull
Entries 86
Mean 77.68
Std Dev 24.1

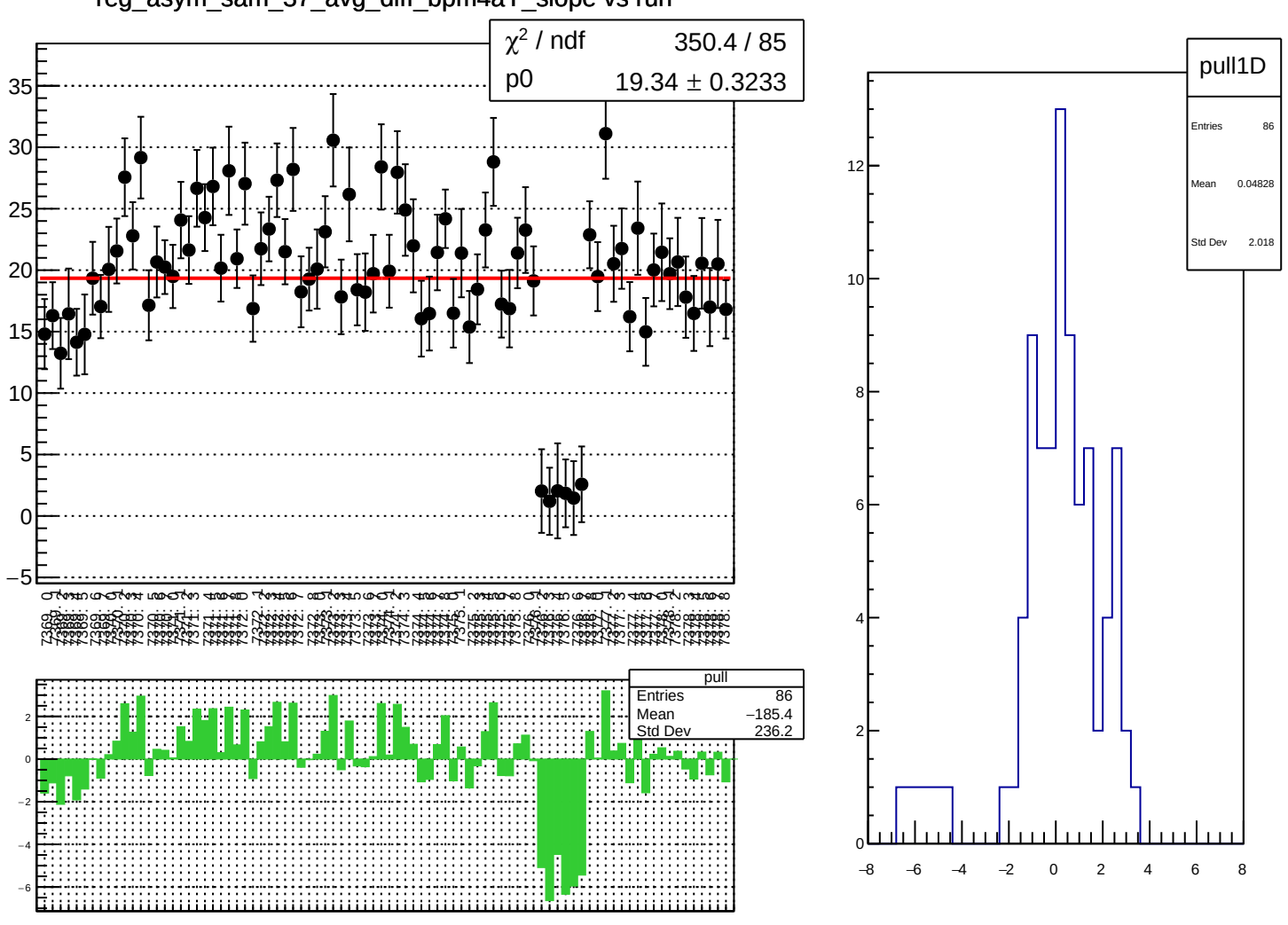

pull1D
Entries 86
Mean 0.09717
Std Dev 0.9821

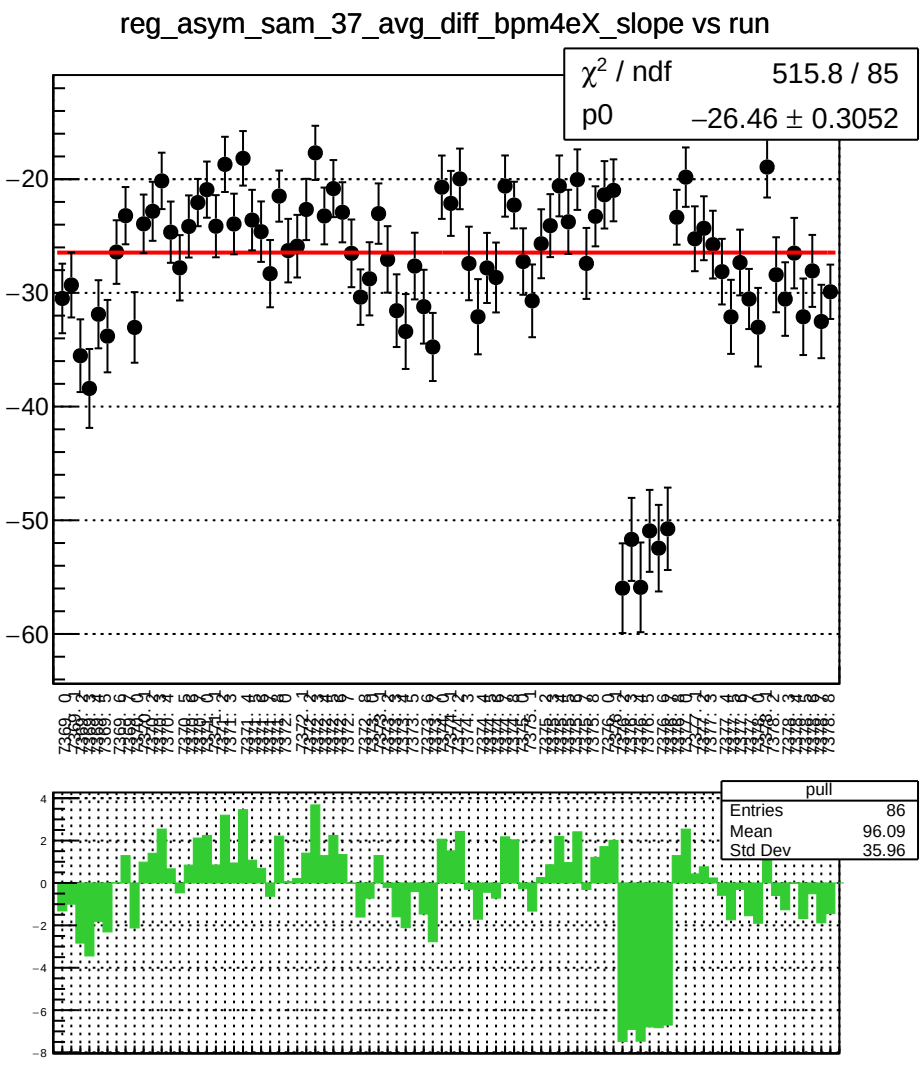

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.52 / 85
p0 −34.15 ± 0.496
pull
Entries 86
Mean 1.18e+04
Std Dev 1.176e+04
pull1D
Entries 86
Mean −0.001015
Std Dev 0.7511

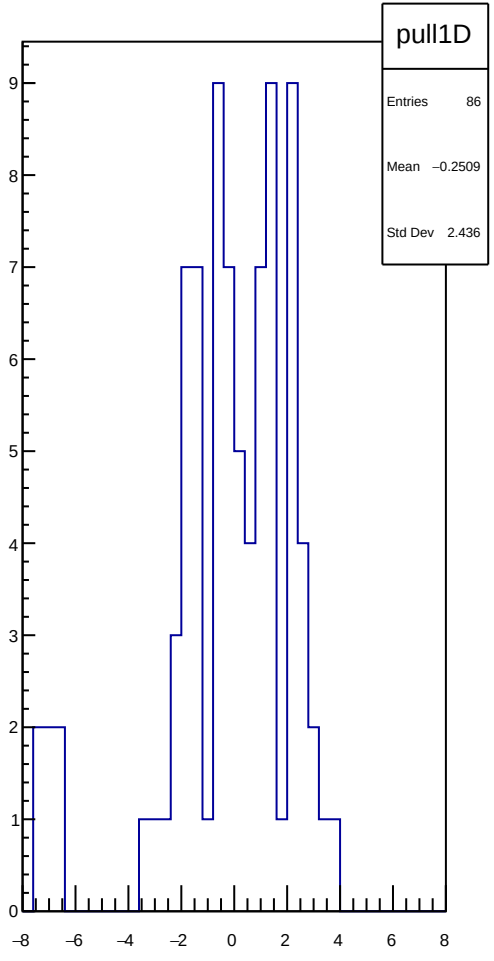

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 247.1 / 85
p0 0.3917 ± 0.02272
pull
Entries 86
Mean 4231
Std Dev 4187
pull1D
Entries 86
Mean −0.008463
Std Dev 1.695

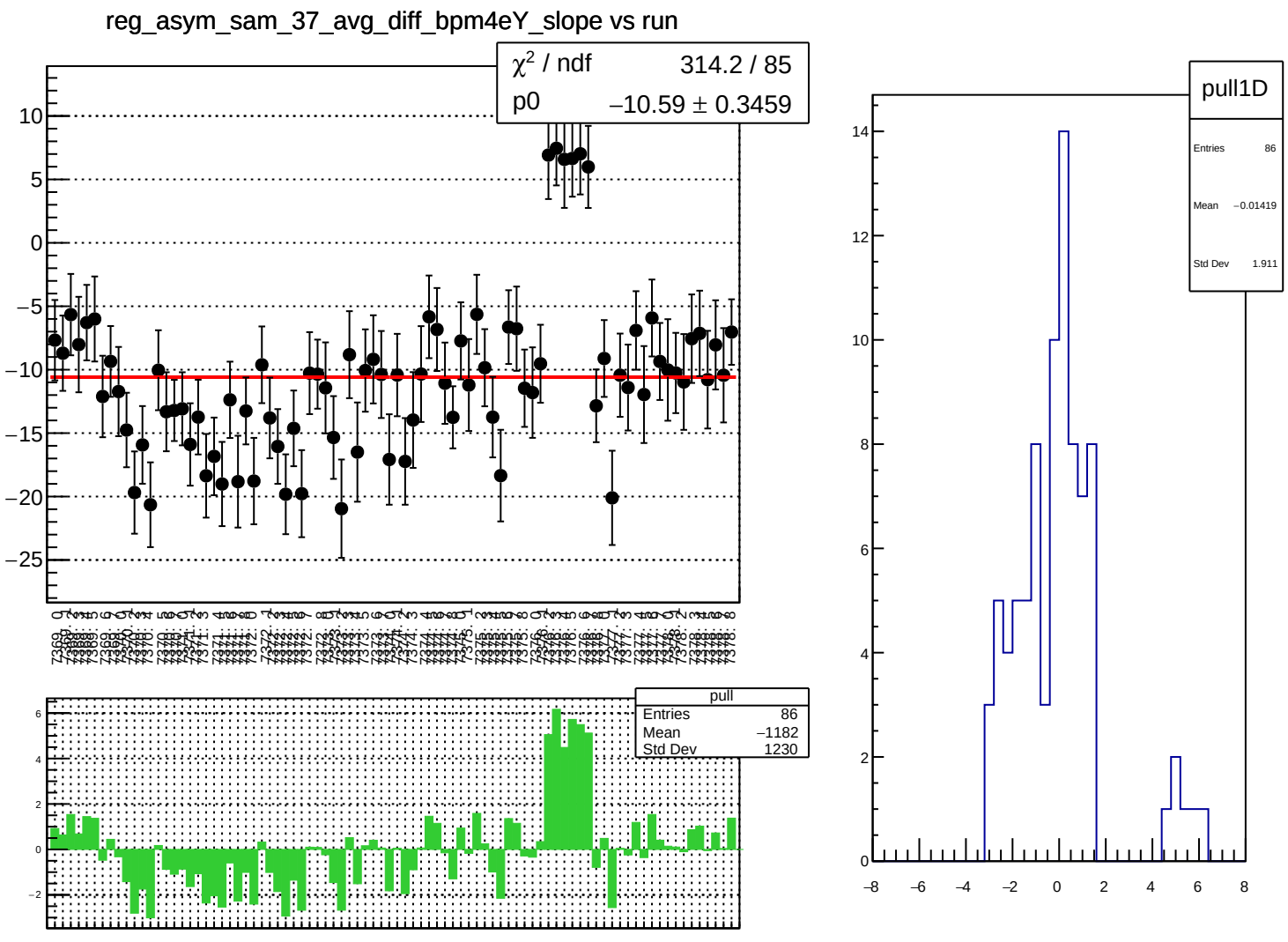

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 751.5 / 85
p0 −30.03 ± 0.2936
pull
Entries 86
Mean 61.99
Std Dev 46.24

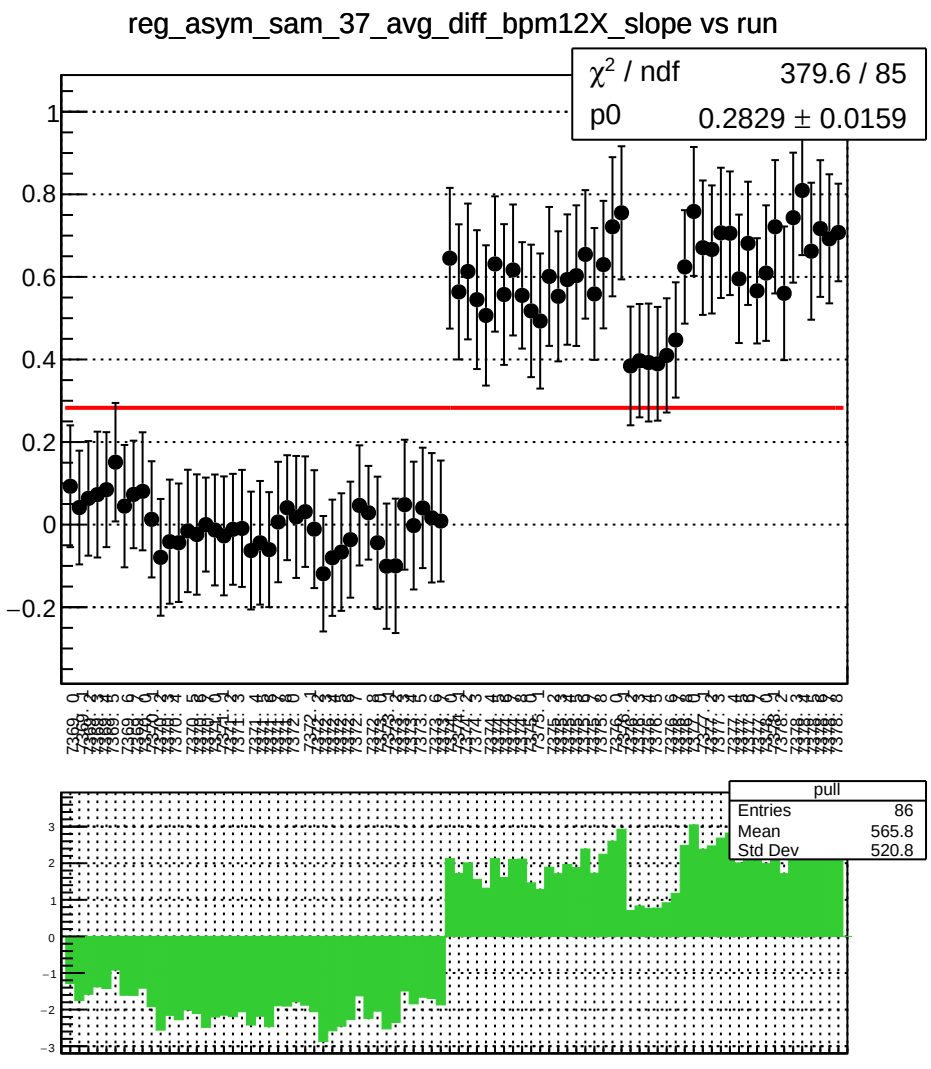

pull1D
Entries 86
Mean −0.3869
Std Dev 1.851

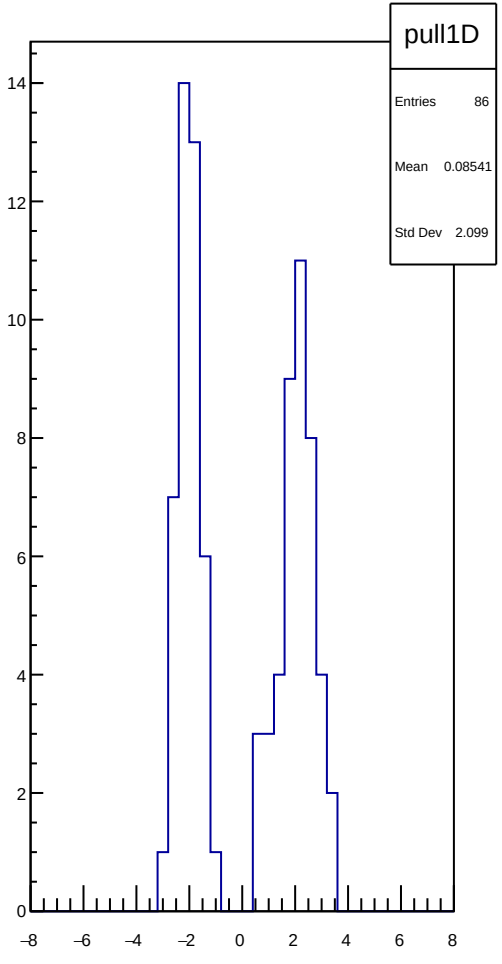

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 350.4 / 85
p0 19.34 ± 0.3233
pull
Entries 86
Mean −185.4
Std Dev 236.2
pull1D
Entries 86
Mean 0.04828
Std Dev 2.018

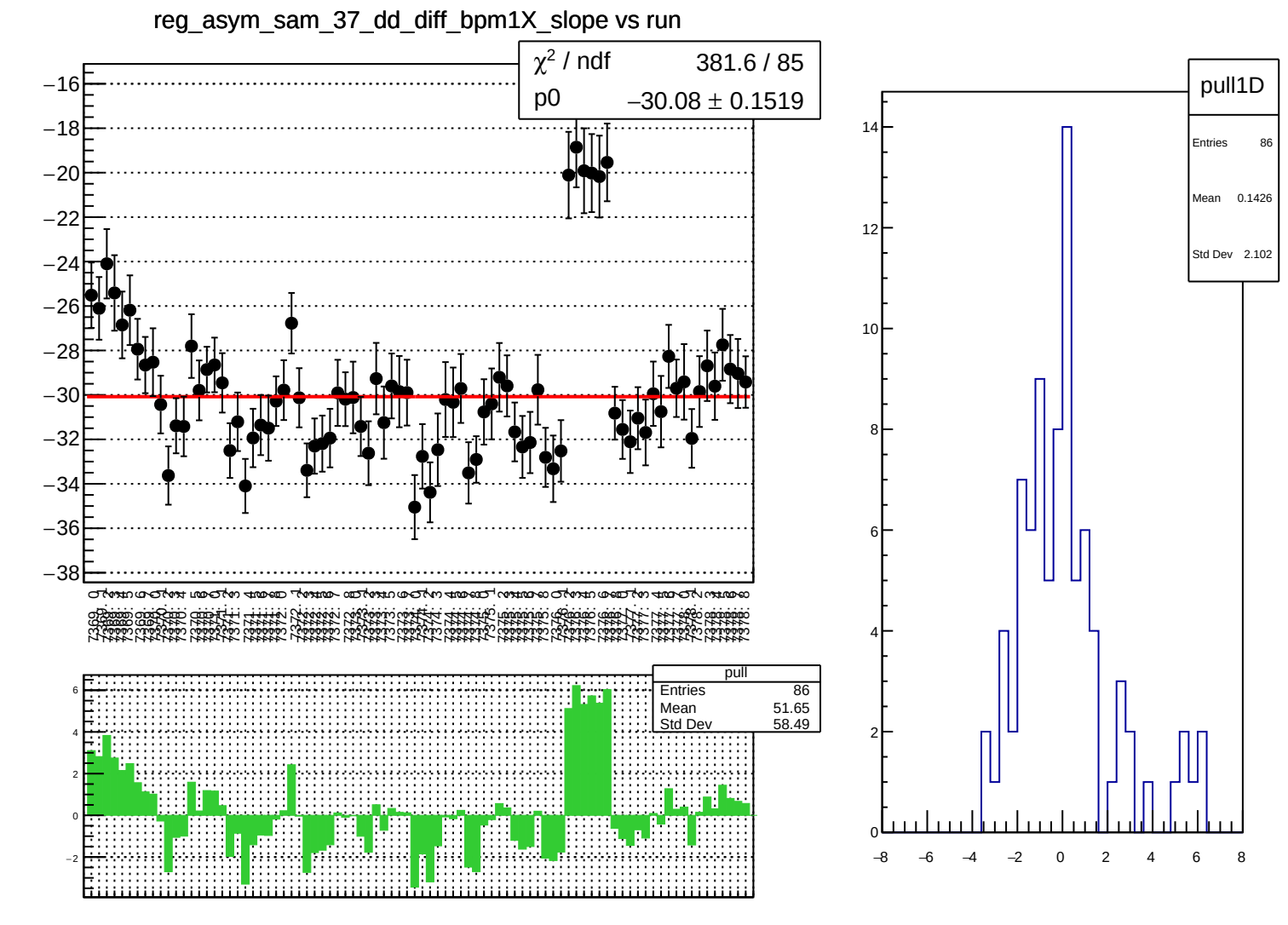

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 515.8 / 85
p0 −26.46 ± 0.3052
pull
Entries 86
Mean 96.09
Std Dev 35.96

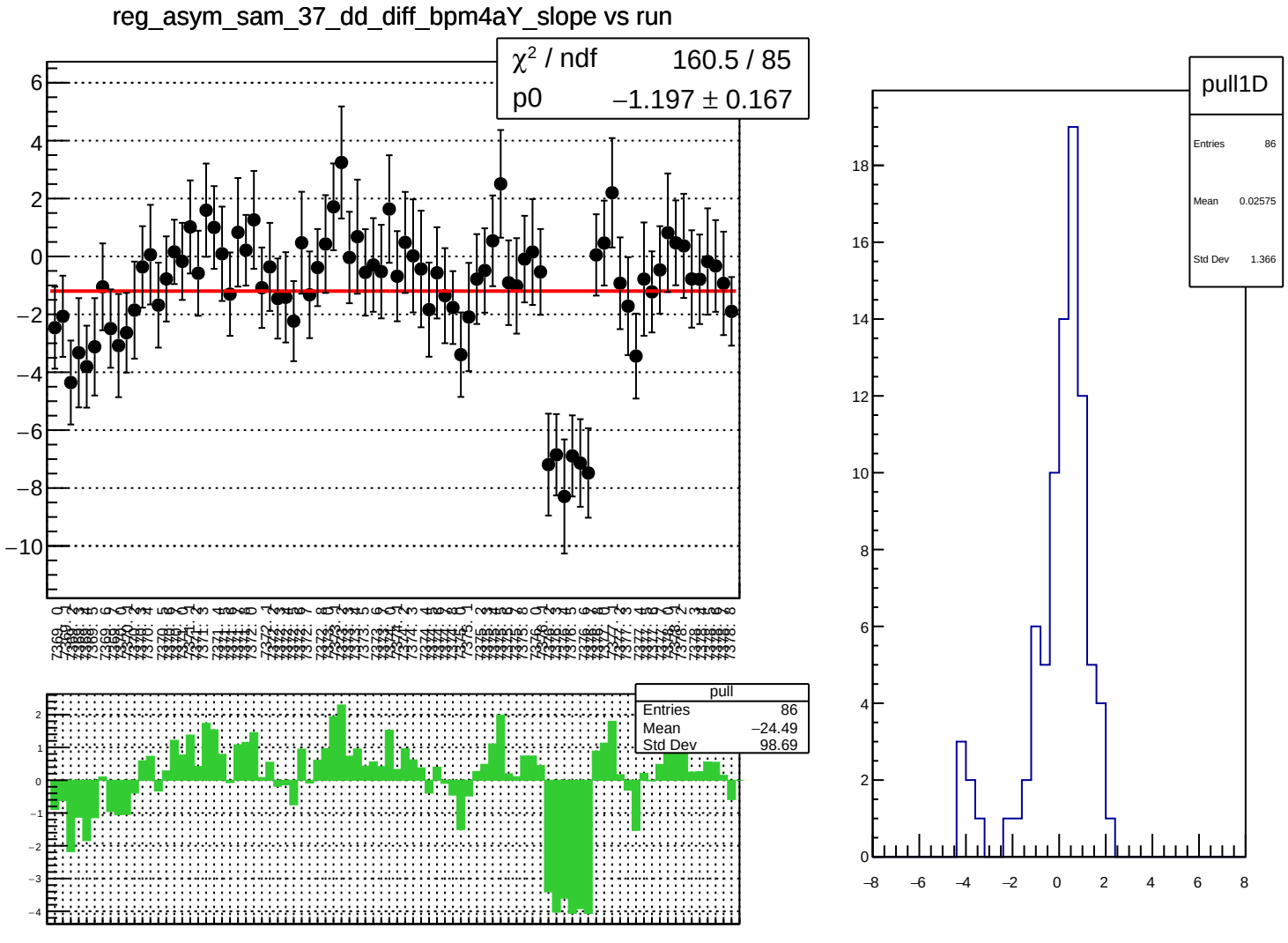

pull1D
Entries 86
Mean −0.2509
Std Dev 2.436

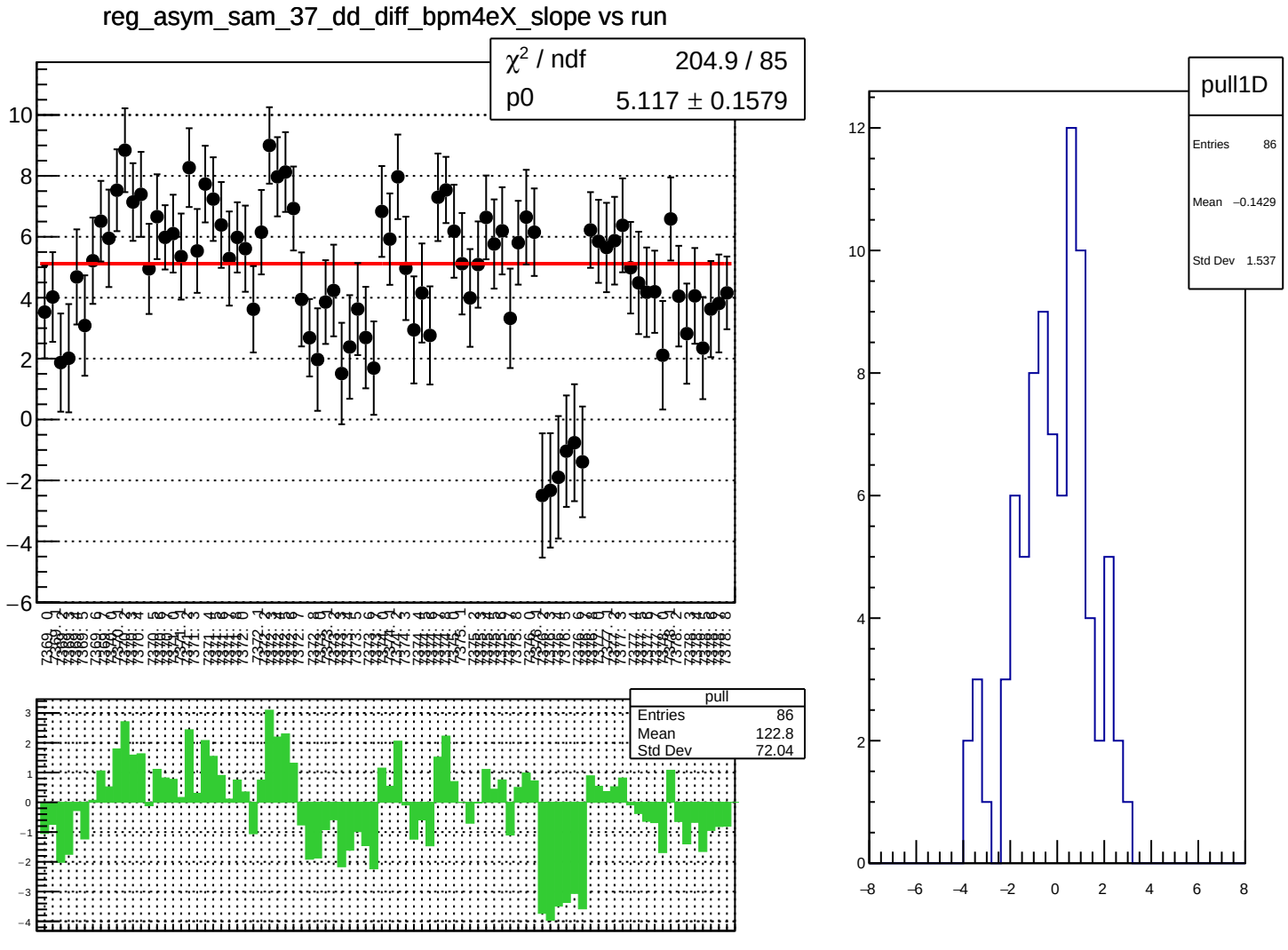

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 314.2 / 85
p0 −10.59 ± 0.3459
pull
Entries 86
Mean −1182
Std Dev 1230
pull1D
Entries 86
Mean −0.01419
Std Dev 1.911

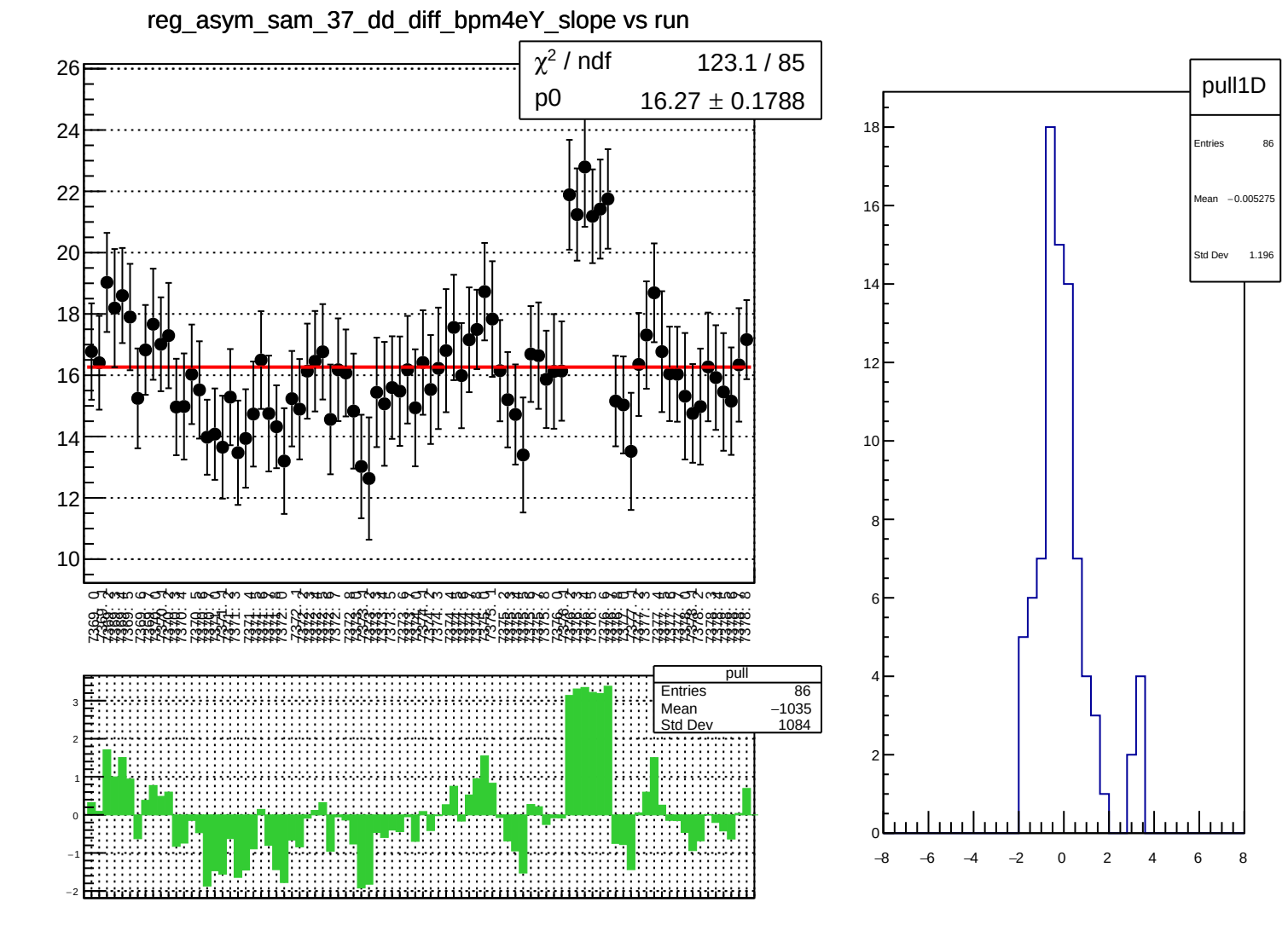

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 379.6 / 85
p0 0.2829 ± 0.0159
pull
Entries 86
Mean 565.8
Std Dev 520.8

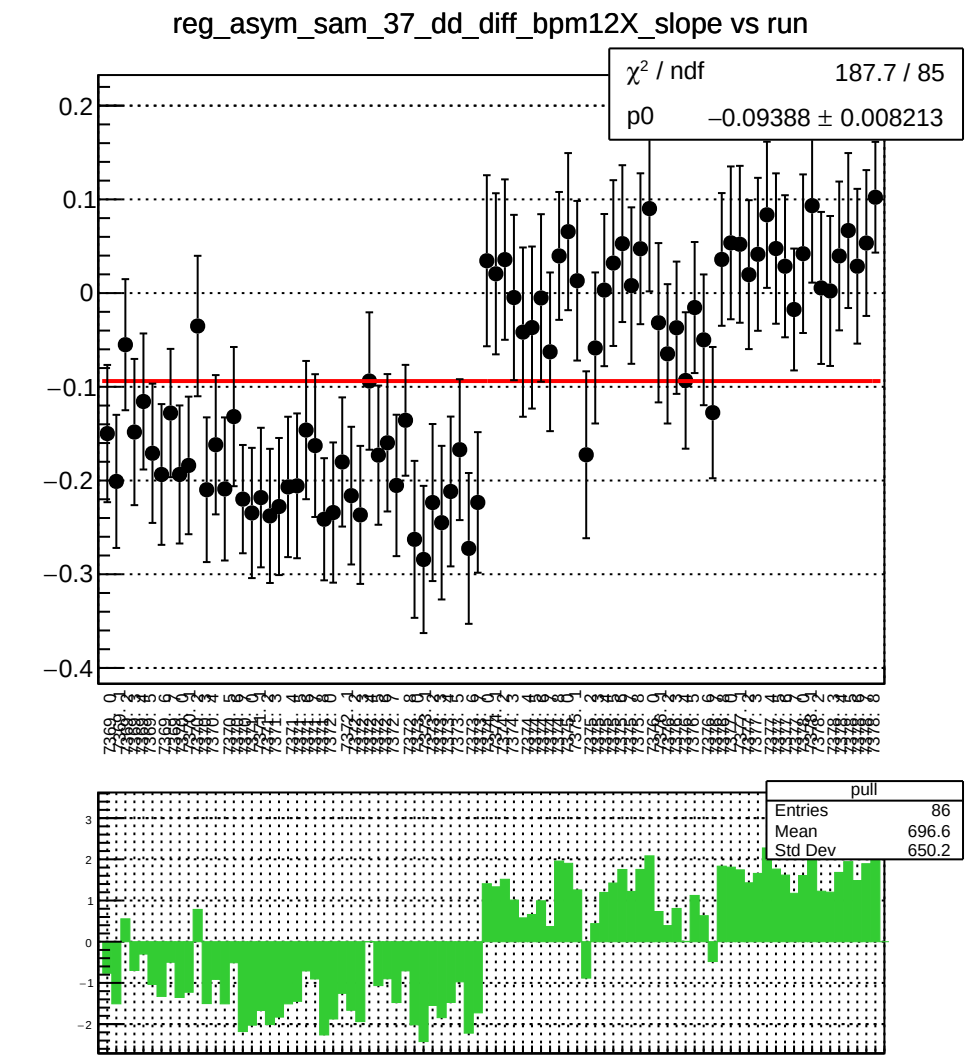

pull1D
Entries 86
Mean 0.08541
Std Dev 2.099

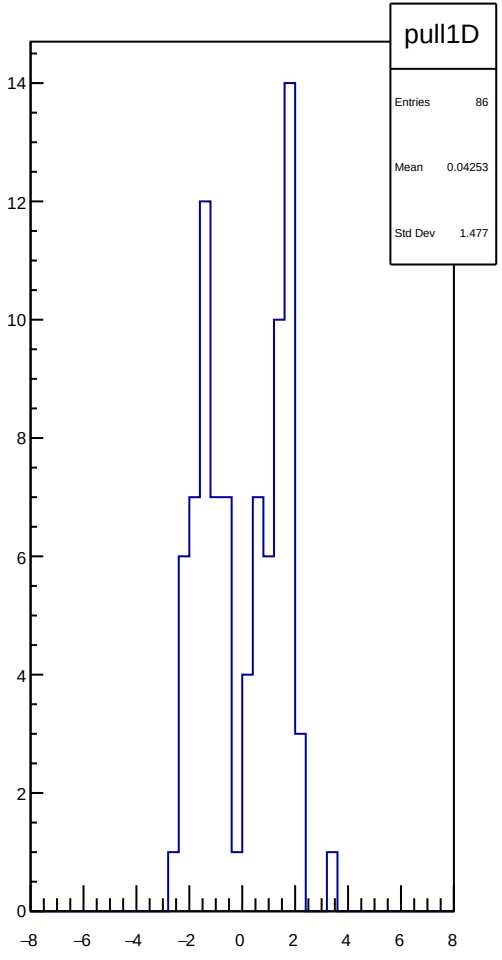

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 381.6 / 85
p0 −30.08 ± 0.1519
pull
Entries 86
Mean 51.65
Std Dev 58.49
pull1D
Entries 86
Mean 0.1426
Std Dev 2.102

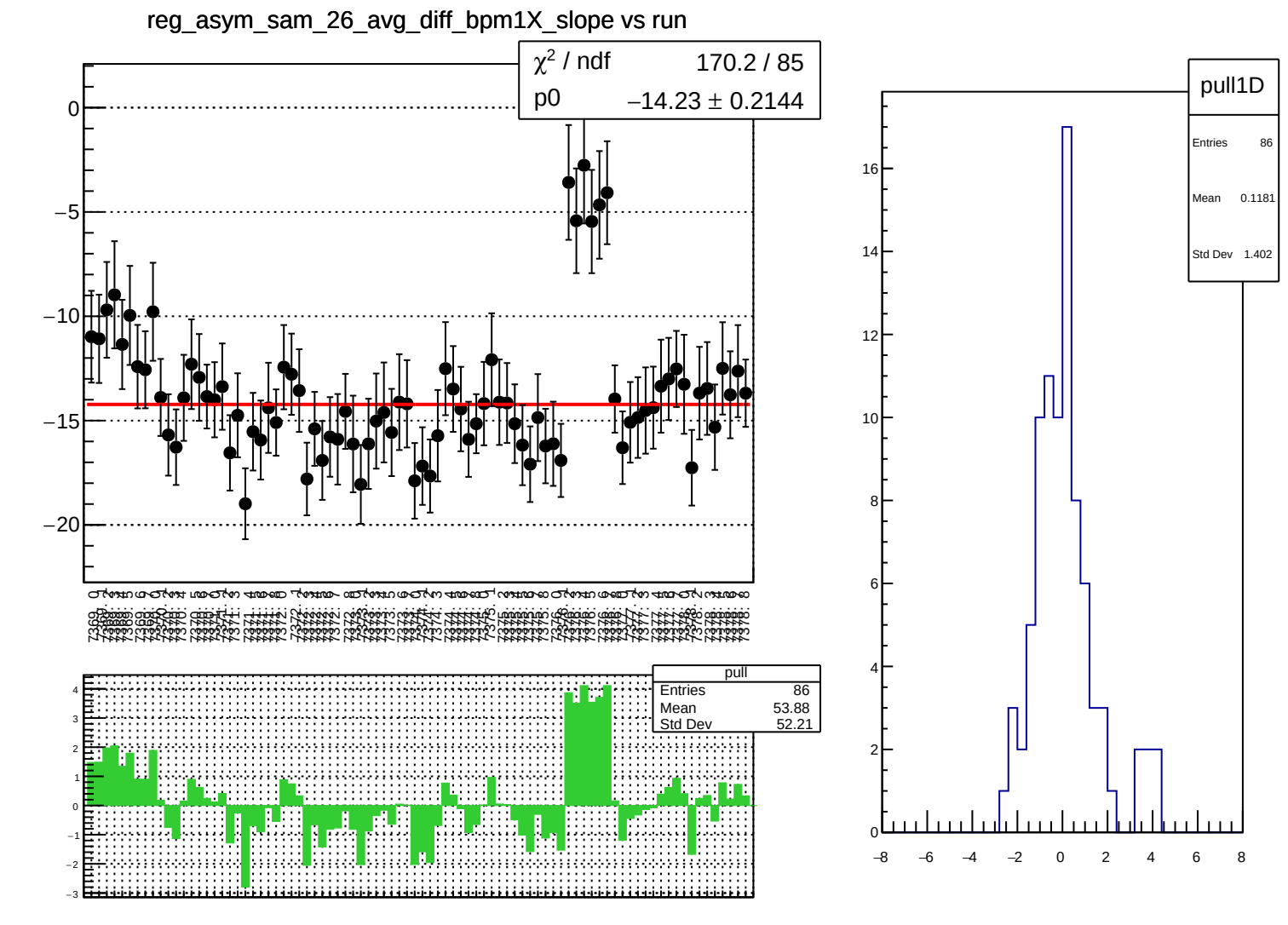

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 160.5 / 85
p0 −1.197 ± 0.167
pull
Entries 86
Mean −24.49
Std Dev 98.69
pull1D
Entries 86
Mean 0.02575
Std Dev 1.366

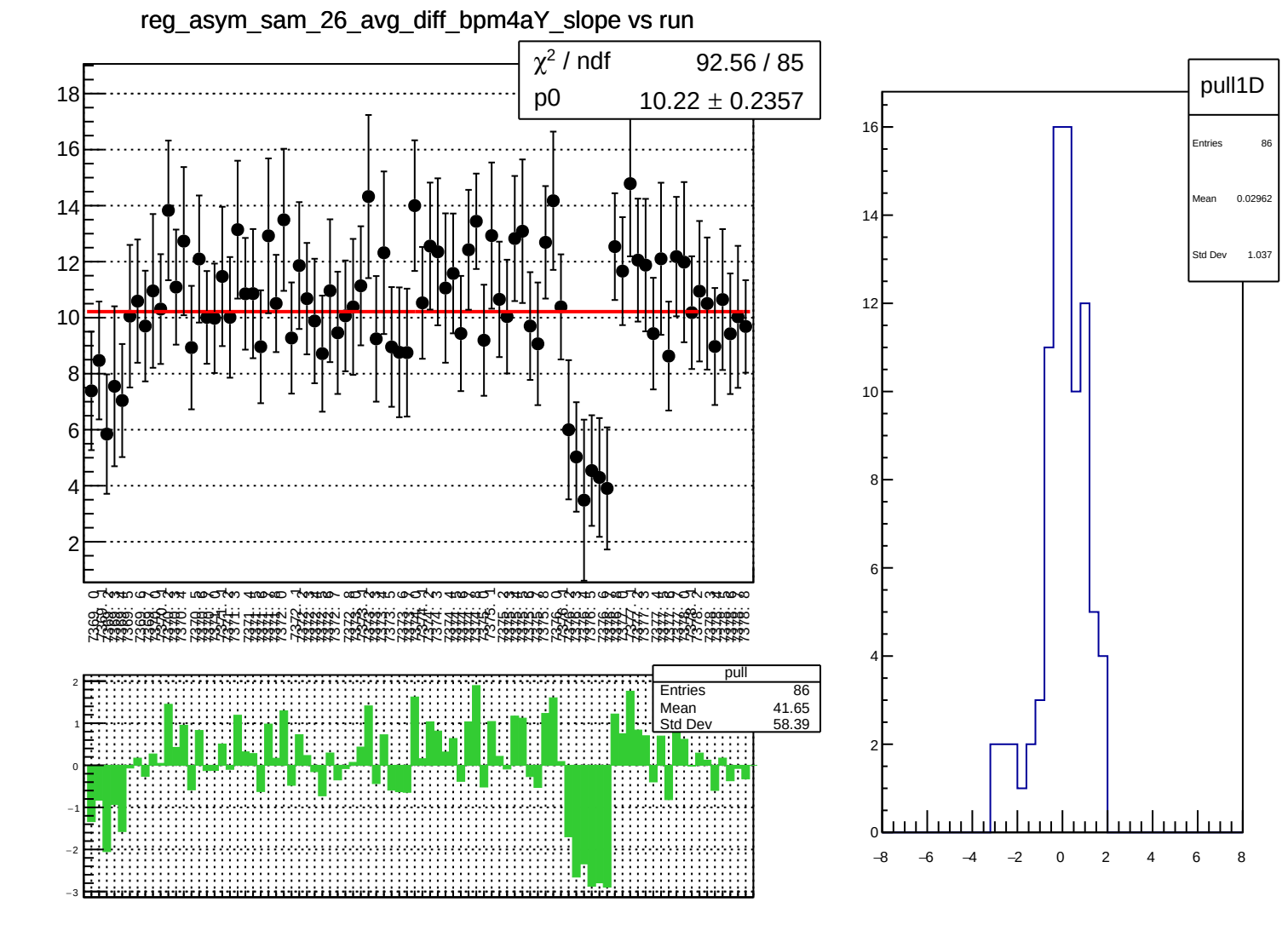

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 204.9 / 85
p0 5.117 ± 0.1579
pull
Entries 86
Mean 122.8
Std Dev 72.04
pull1D
Entries 86
Mean −0.1429
Std Dev 1.537

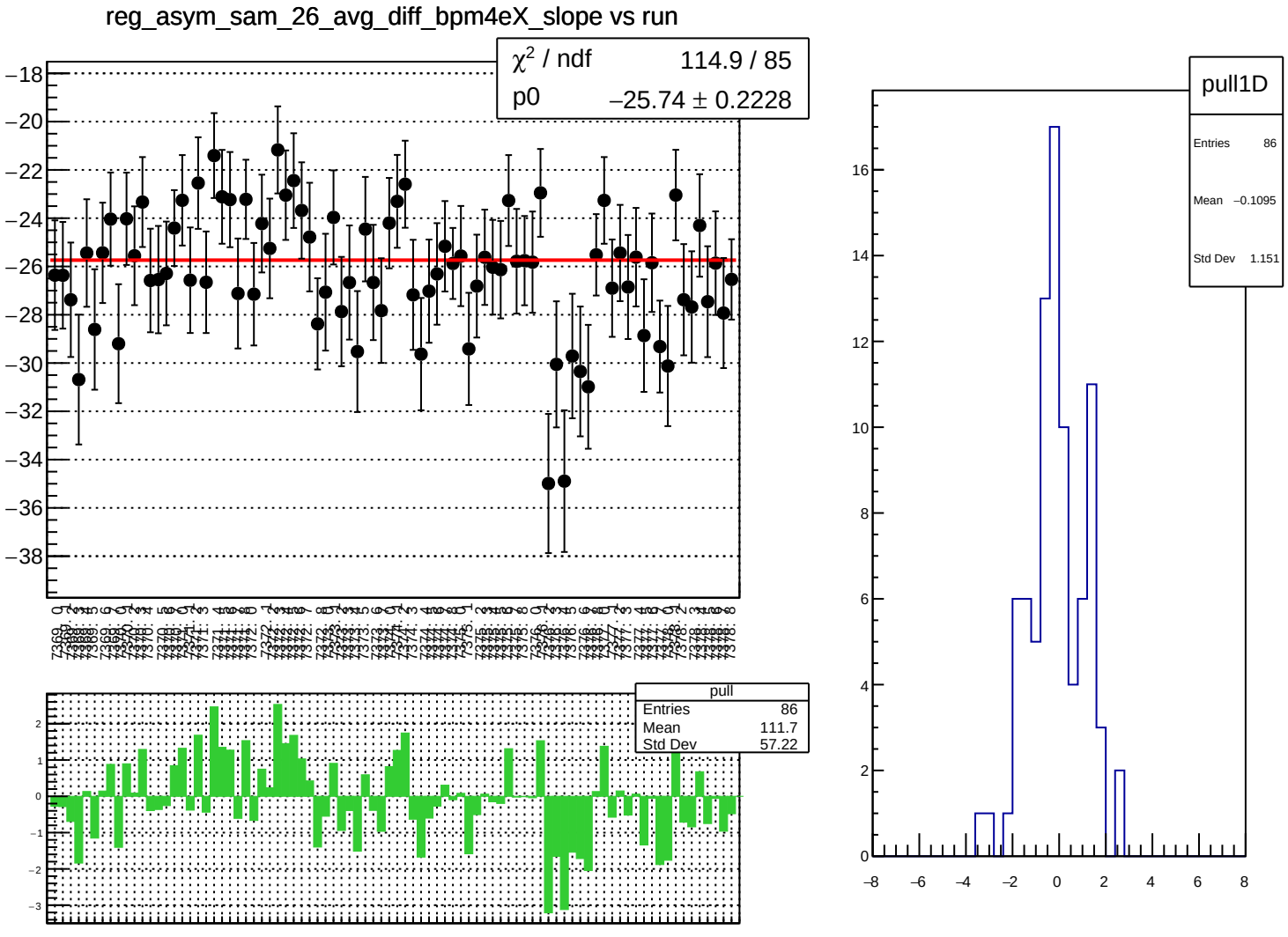

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 123.1 / 85
p0 16.27 ± 0.1788
pull
Entries 86
Mean −1035
Std Dev 1084
pull1D
Entries 86
Mean −0.005275
Std Dev 1.196

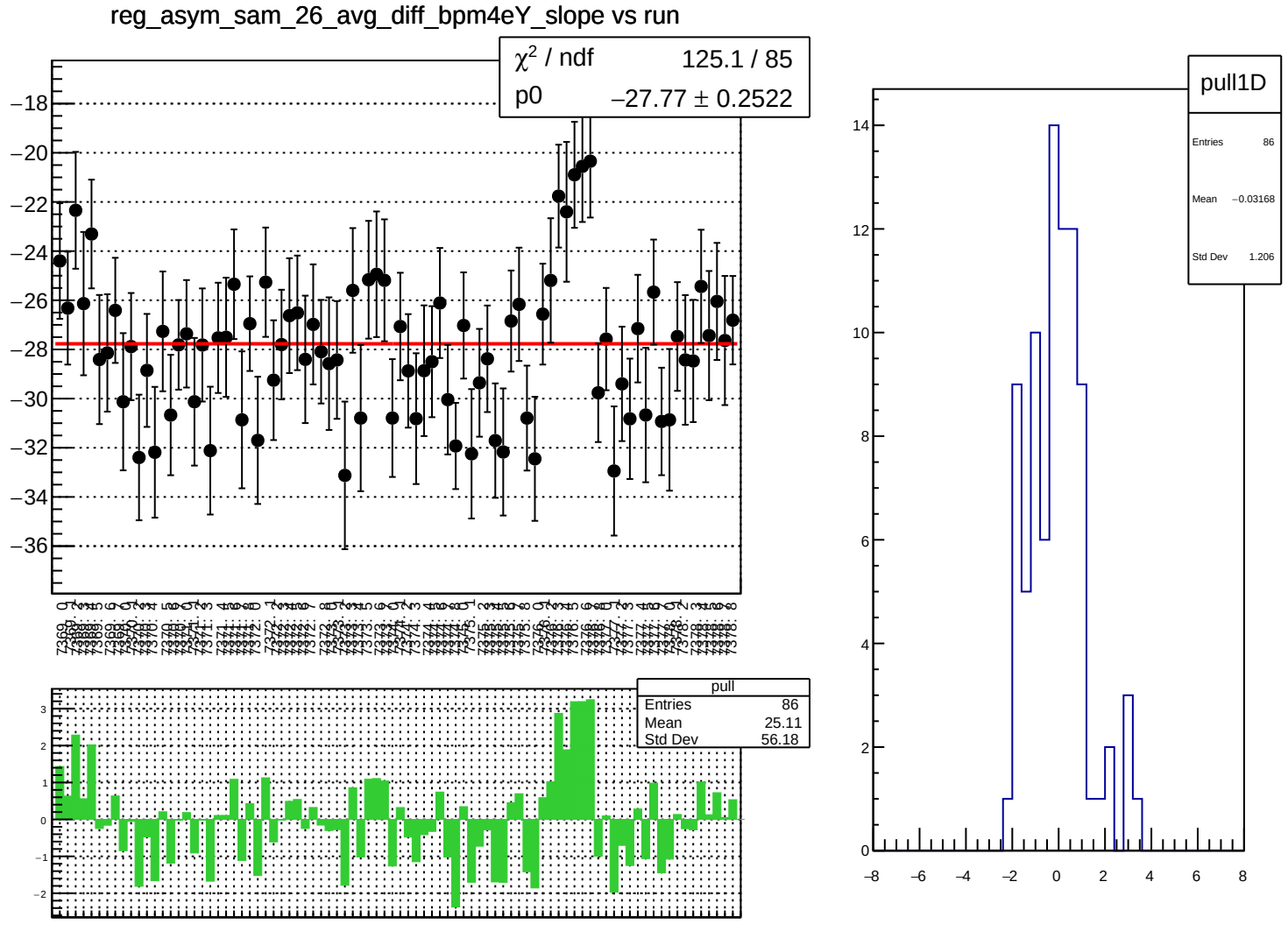

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 187.7 / 85
p0 −0.09388 ± 0.008213
pull
Entries 86
Mean 696.6
Std Dev 650.2

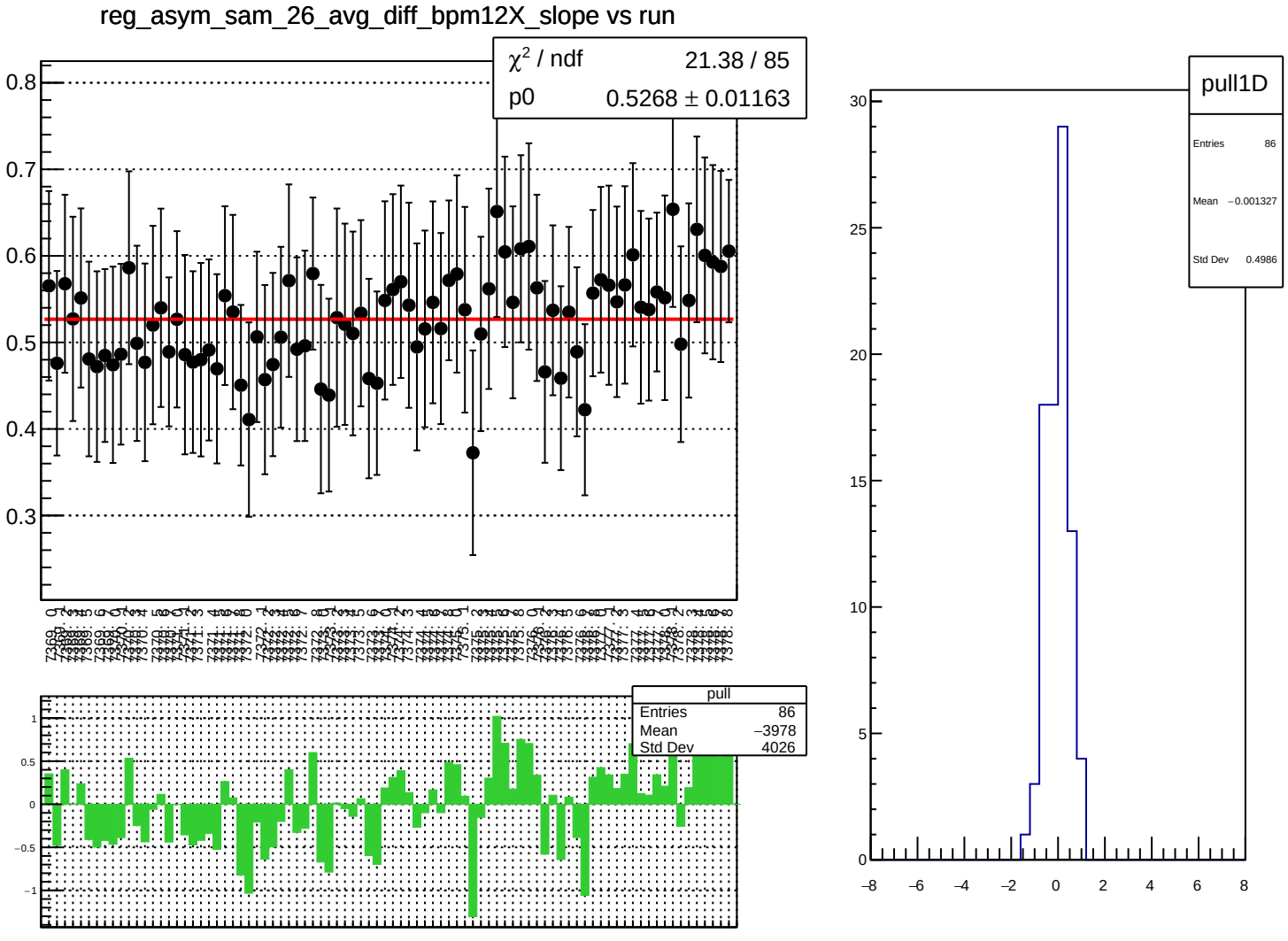

pull1D
Entries 86
Mean 0.04253
Std Dev 1.477

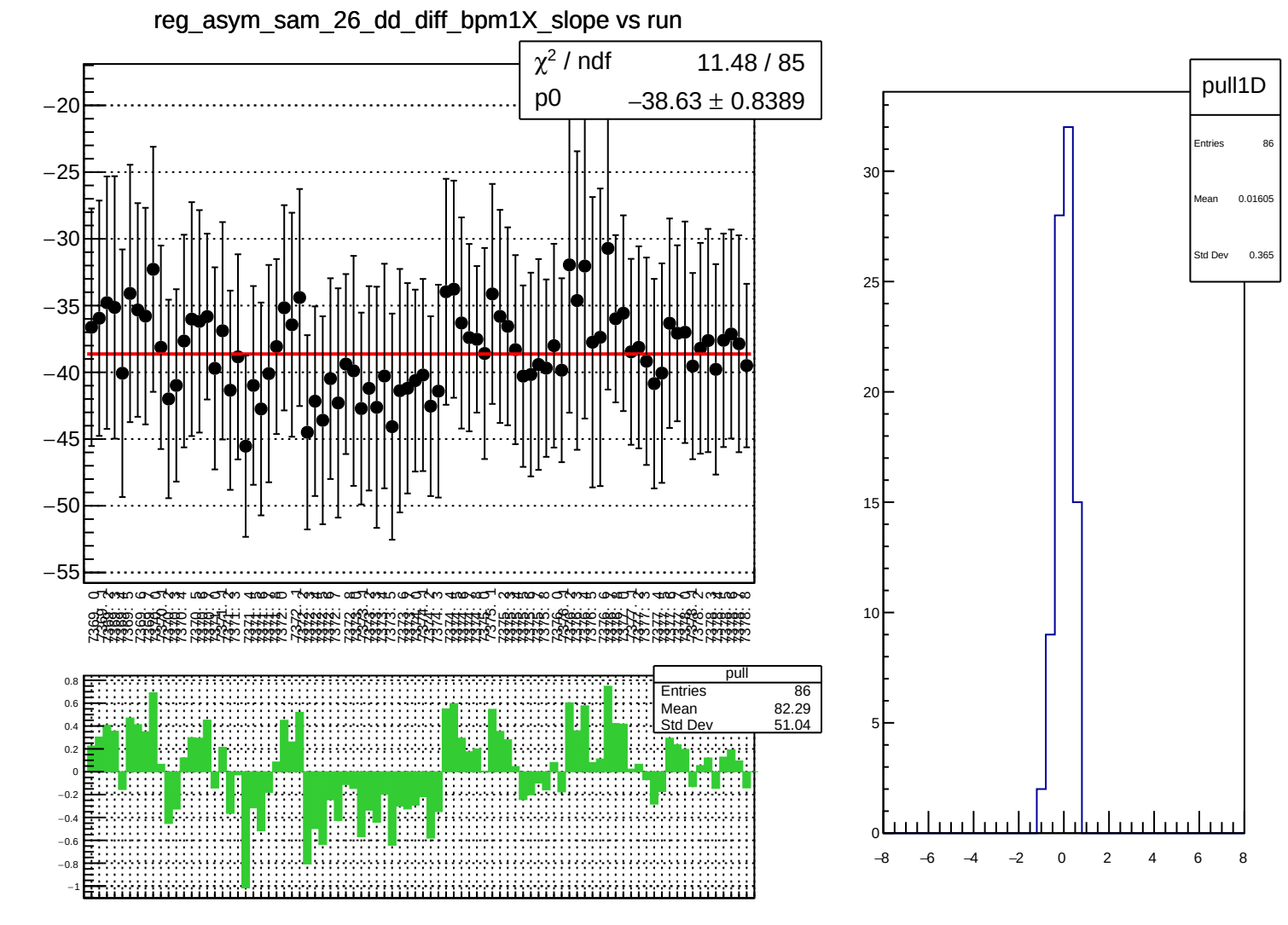

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 170.2 / 85
p0 −14.23 ± 0.2144
pull
Entries 86
Mean 53.88
Std Dev 52.21
pull1D
Entries 86
Mean 0.1181
Std Dev 1.402

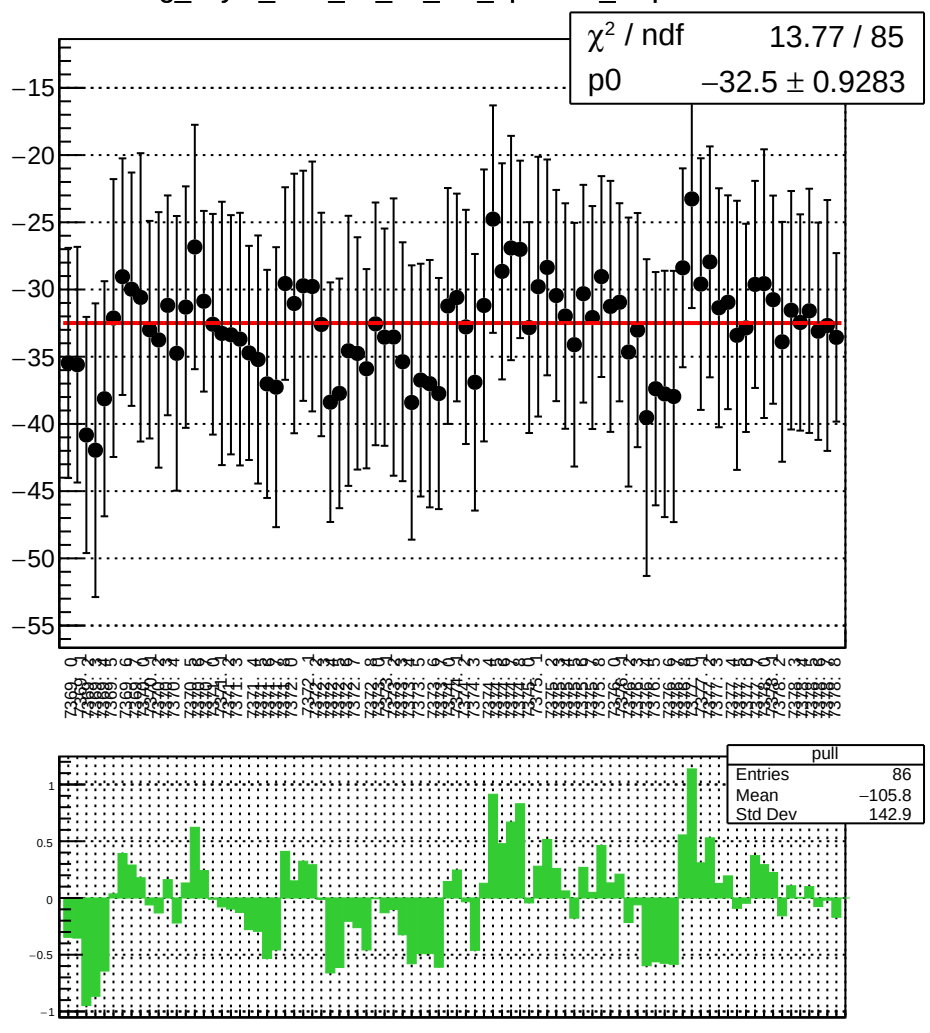

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 92.56 / 85
p0 10.22 ± 0.2357
pull
Entries 86
Mean 41.65
Std Dev 58.39
pull1D
Entries 86
Mean 0.02962
Std Dev 1.037

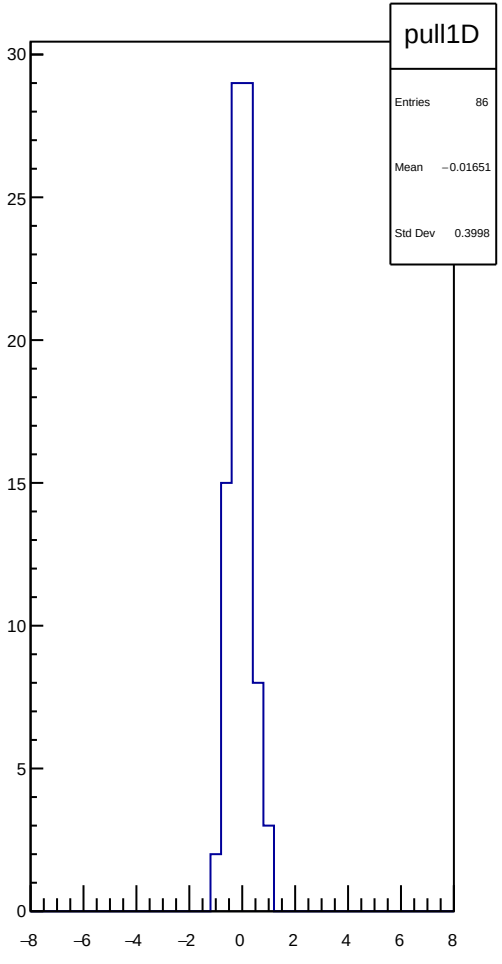

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 114.9 / 85
p0 −25.74 ± 0.2228
pull
Entries 86
Mean 111.7
Std Dev 57.22
pull1D
Entries 86
Mean −0.1095
Std Dev 1.151

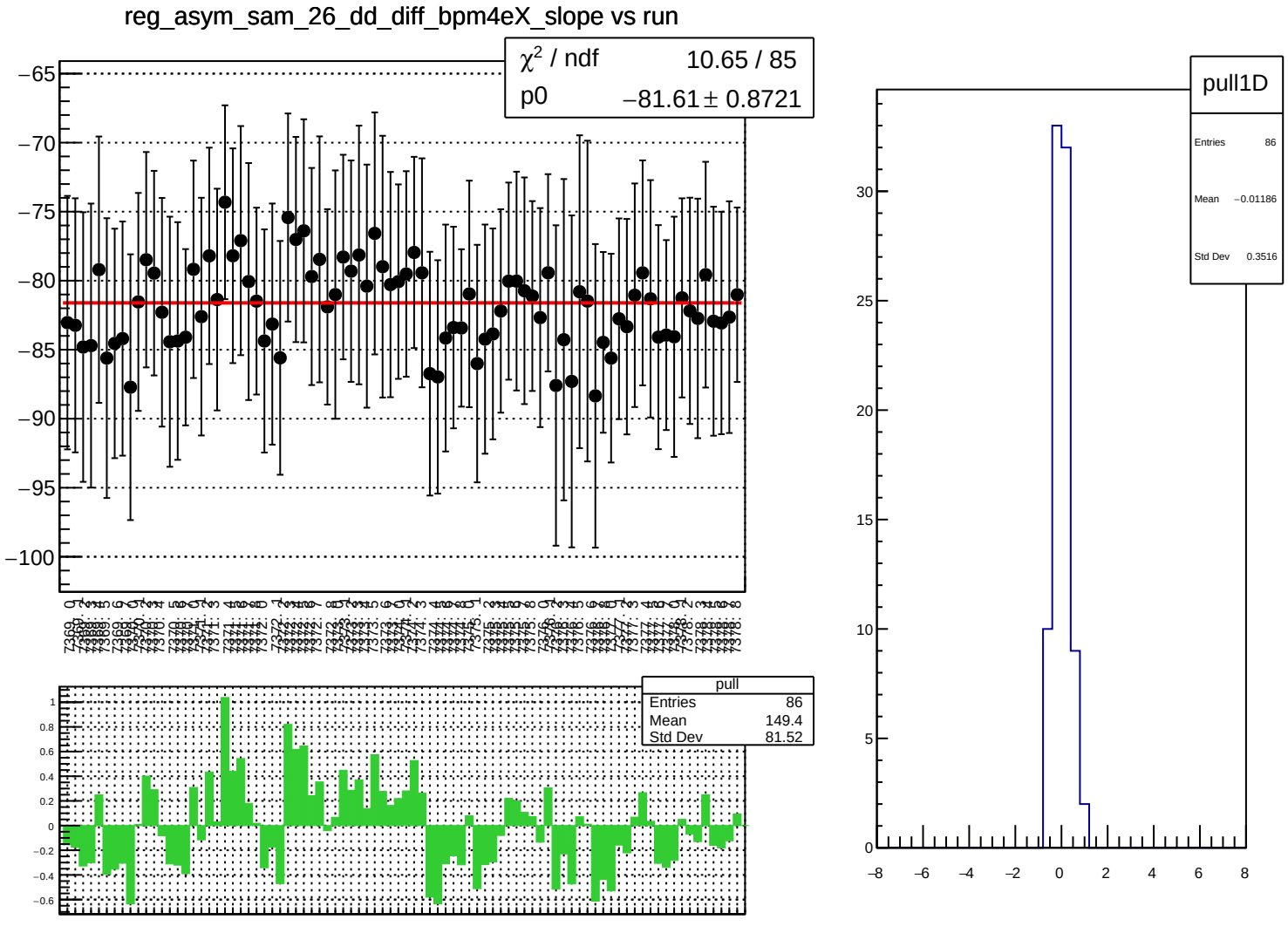

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 125.1 / 85
p0 −27.77 ± 0.2522
pull
Entries 86
Mean 25.11
Std Dev 56.18
pull1D
Entries 86
Mean −0.03168
Std Dev 1.206

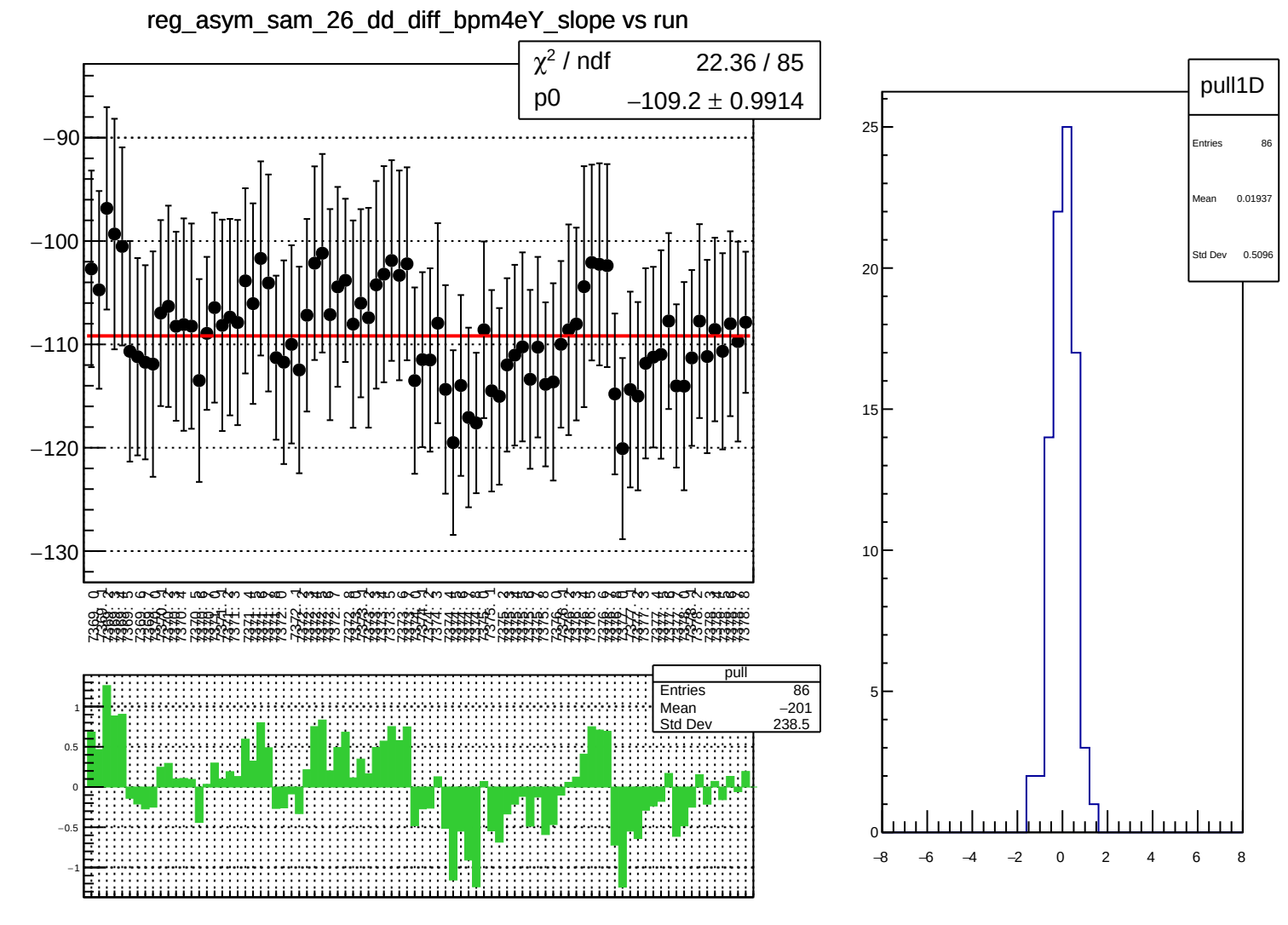

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 21.38 / 85
p0 0.5268 ± 0.01163
pull
Entries 86
Mean −3978
Std Dev 4026
pull1D
Entries 86
Mean −0.001327
Std Dev 0.4986

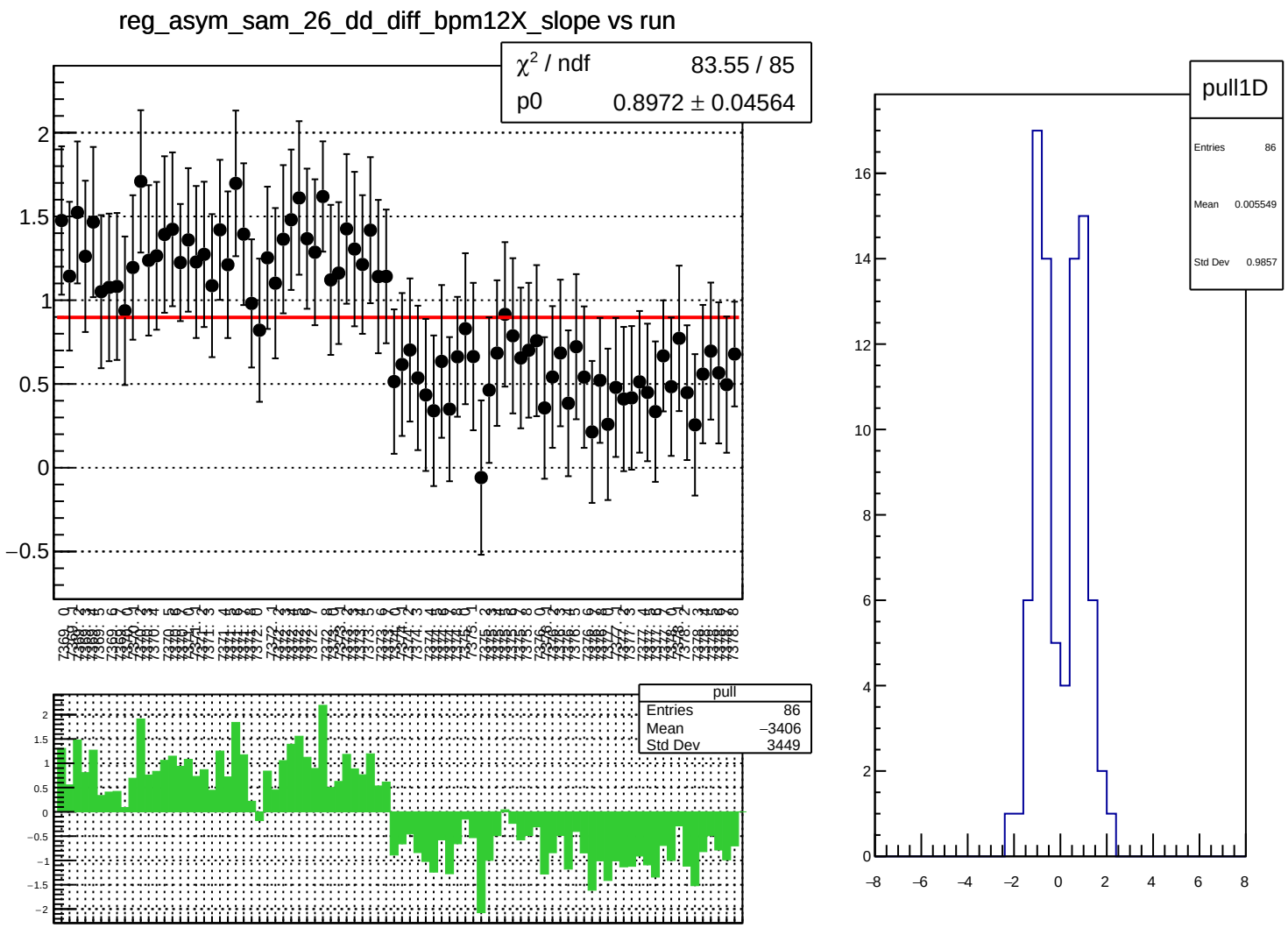

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 11.48 / 85
p0 −38.63 ± 0.8389
pull
Entries 86
Mean 82.29
Std Dev 51.04
pull1D
Entries 86
Mean 0.01605
Std Dev 0.365

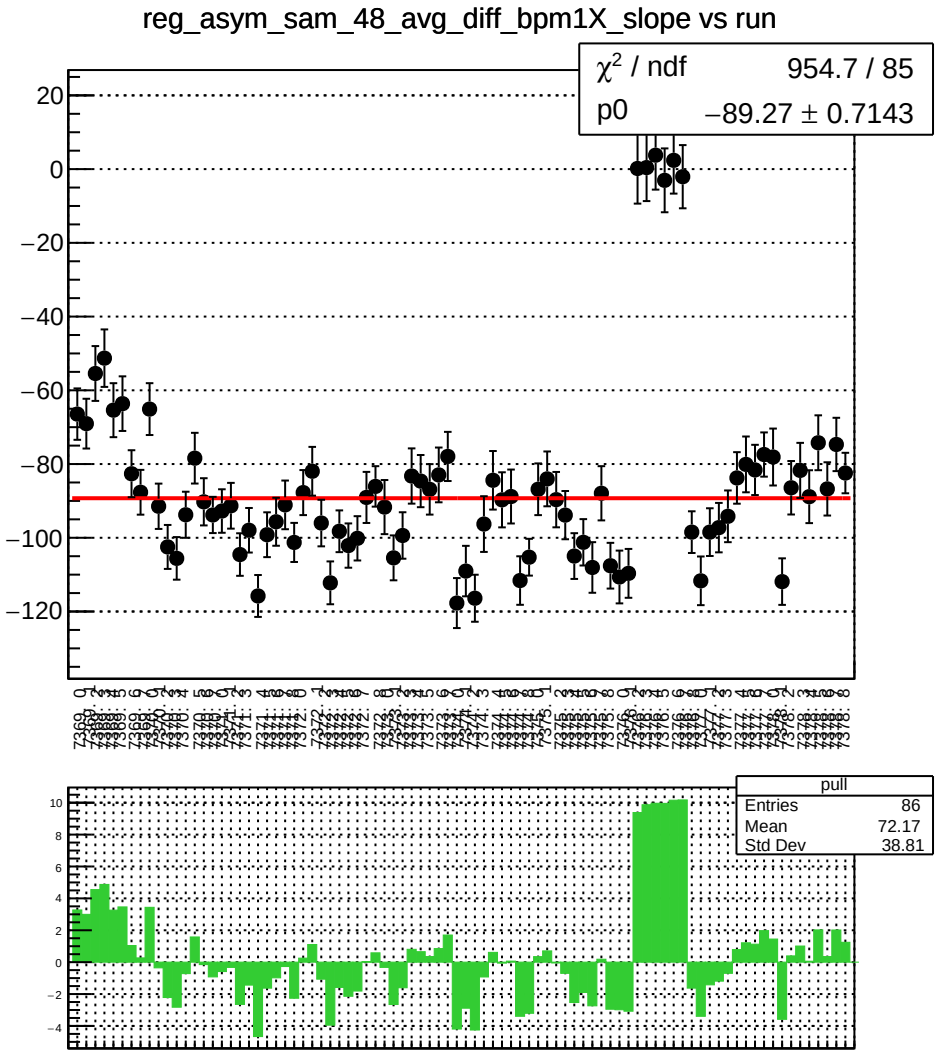

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.77 / 85
p0 −32.5 ± 0.9283
pull
Entries 86
Mean −105.8
Std Dev 142.9

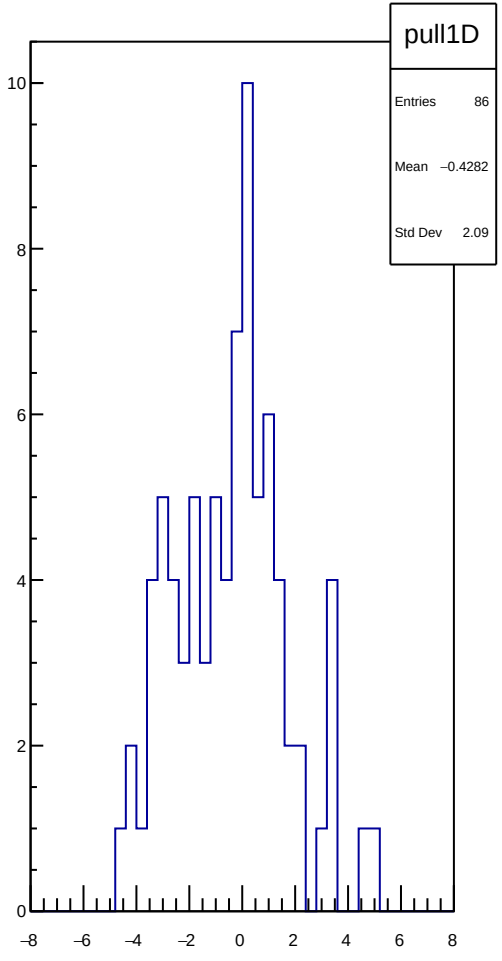

pull1D
Entries 86
Mean −0.01651
Std Dev 0.3998

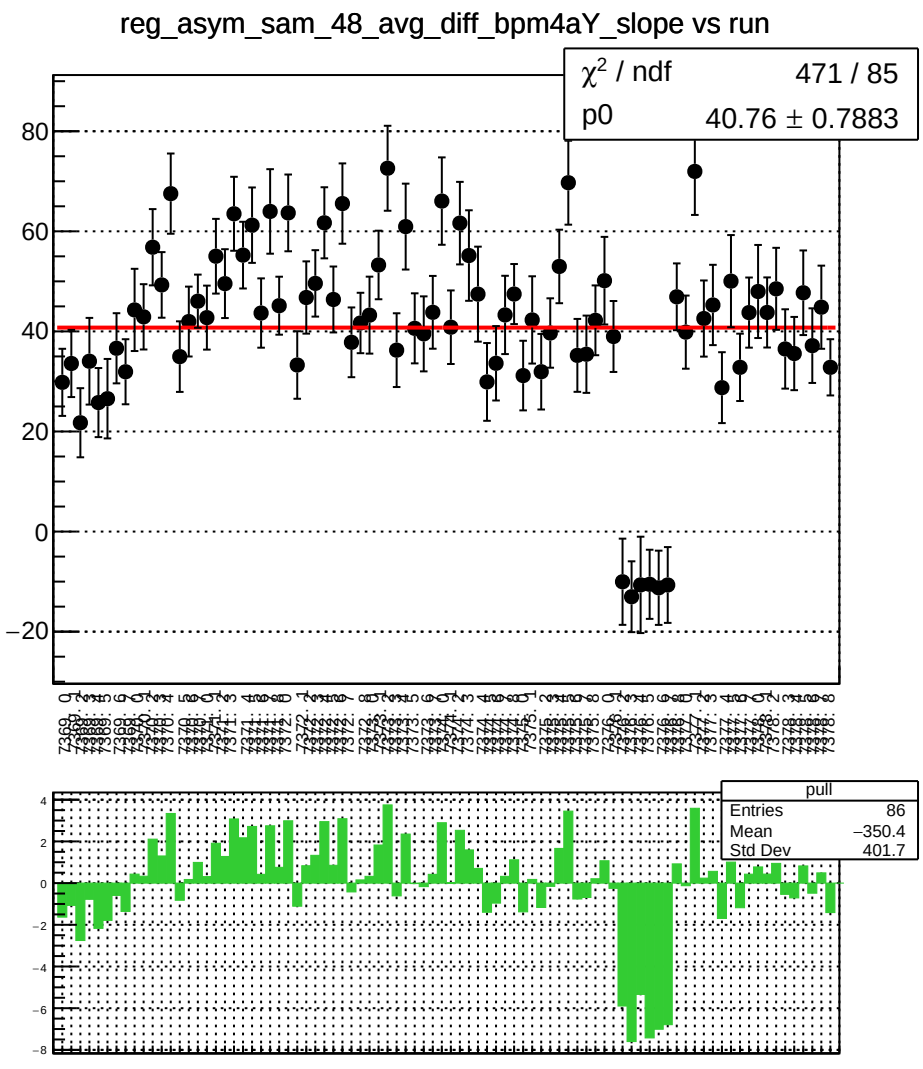

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 10.65 / 85
p0 −81.61 ± 0.8721
pull
Entries 86
Mean 149.4
Std Dev 81.52
pull1D
Entries 86
Mean −0.01186
Std Dev 0.3516

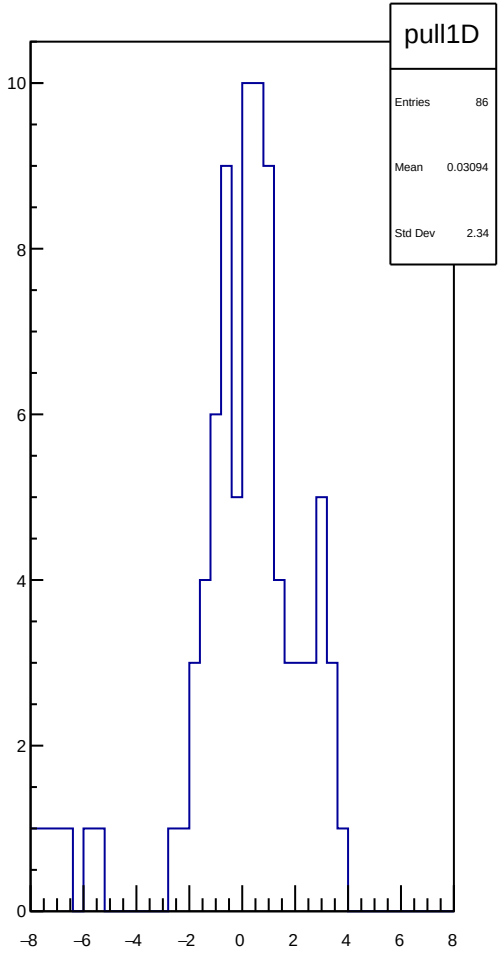

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.36 / 85
p0 −109.2 ± 0.9914
−90
−100
−110
−120
−130
pull
Entries 86
Mean −201
Std Dev 238.5
1
0.5
0
−0.5
−1
pull1D
Entries 86
Mean 0.01937
Std Dev 0.5096
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

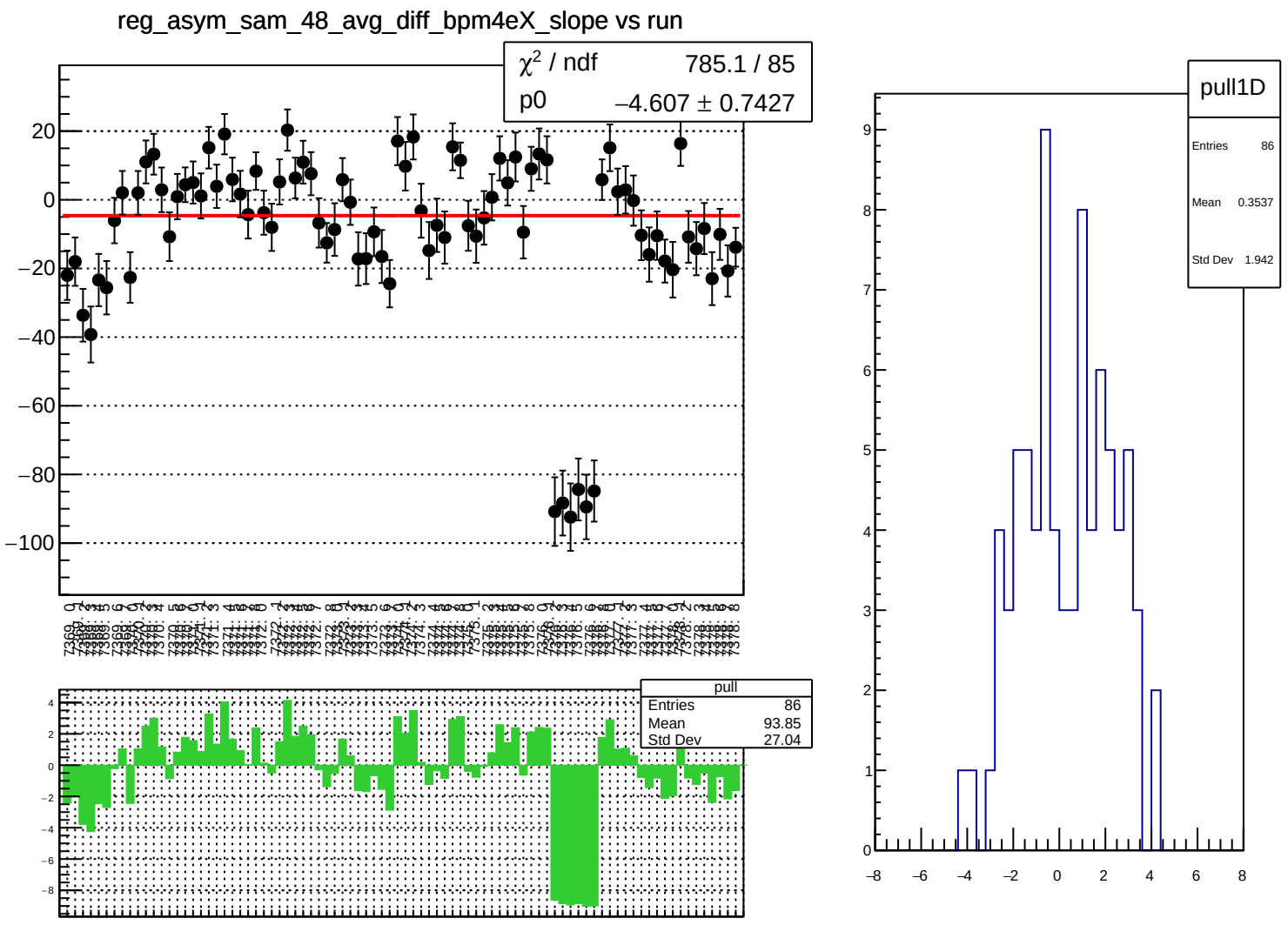

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 83.55 / 85
p0 0.8972 ± 0.04564
pull
Entries 86
Mean −3406
Std Dev 3449
pull1D
Entries 86
Mean 0.005549
Std Dev 0.9857

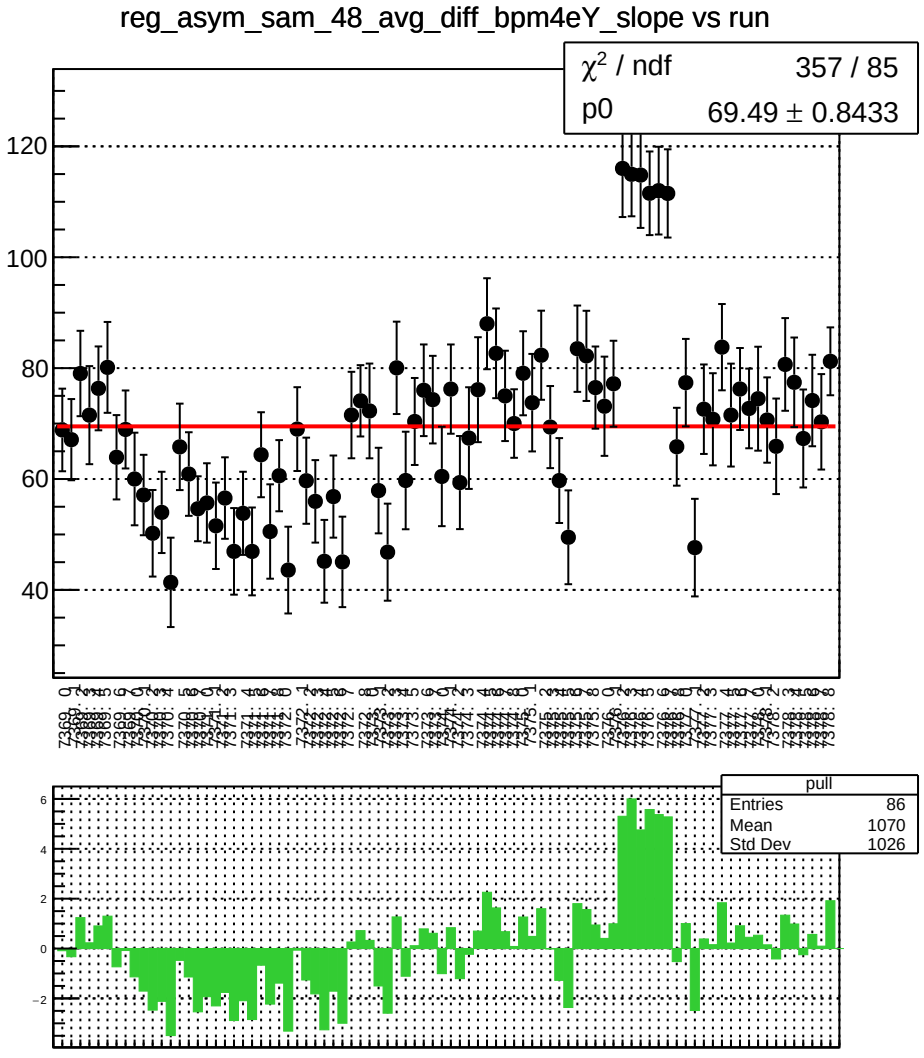

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 954.7 / 85
p0 −89.27 ± 0.7143
pull
Entries 86
Mean 72.17
Std Dev 38.81

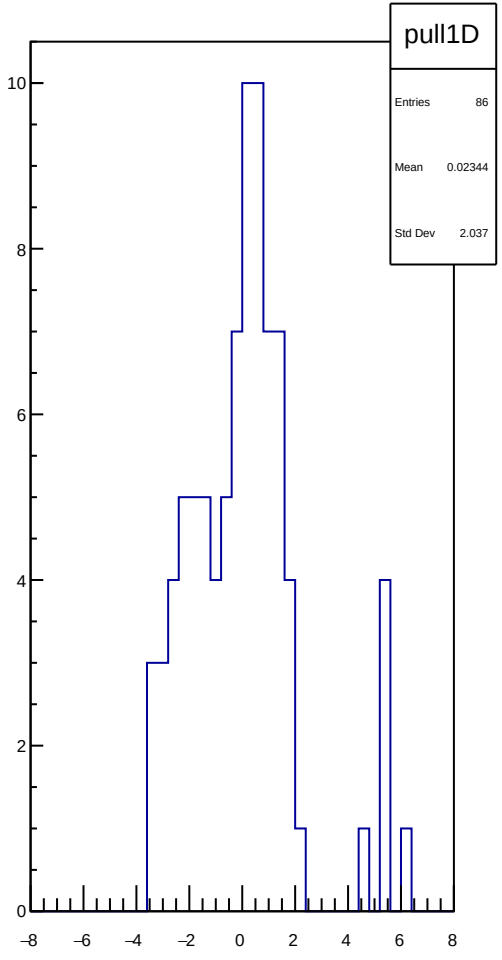

pull1D
Entries 86
Mean −0.4282
Std Dev 2.09

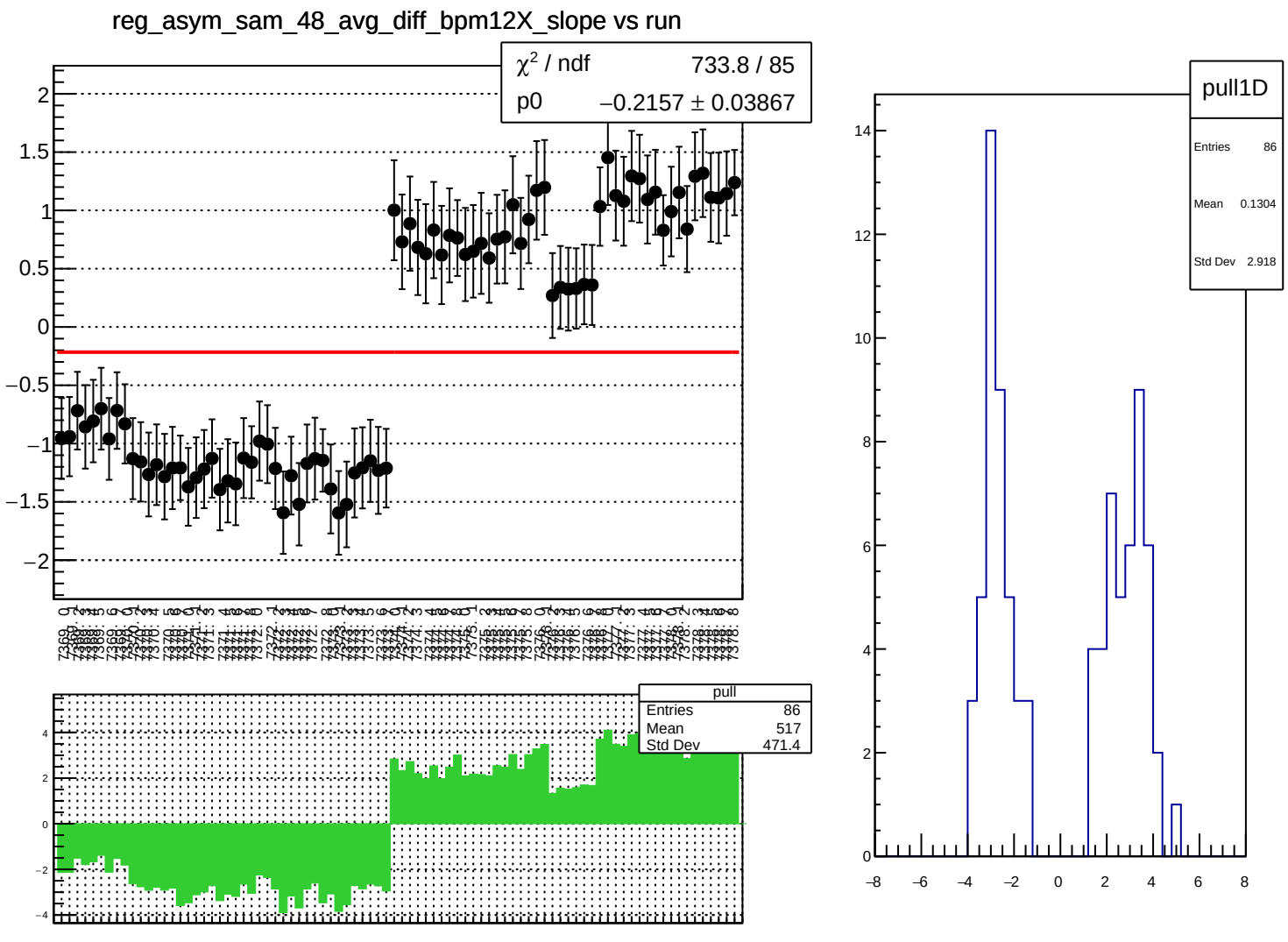

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 471 / 85
p0 40.76 ± 0.7883
pull
Entries 86
Mean −350.4
Std Dev 401.7

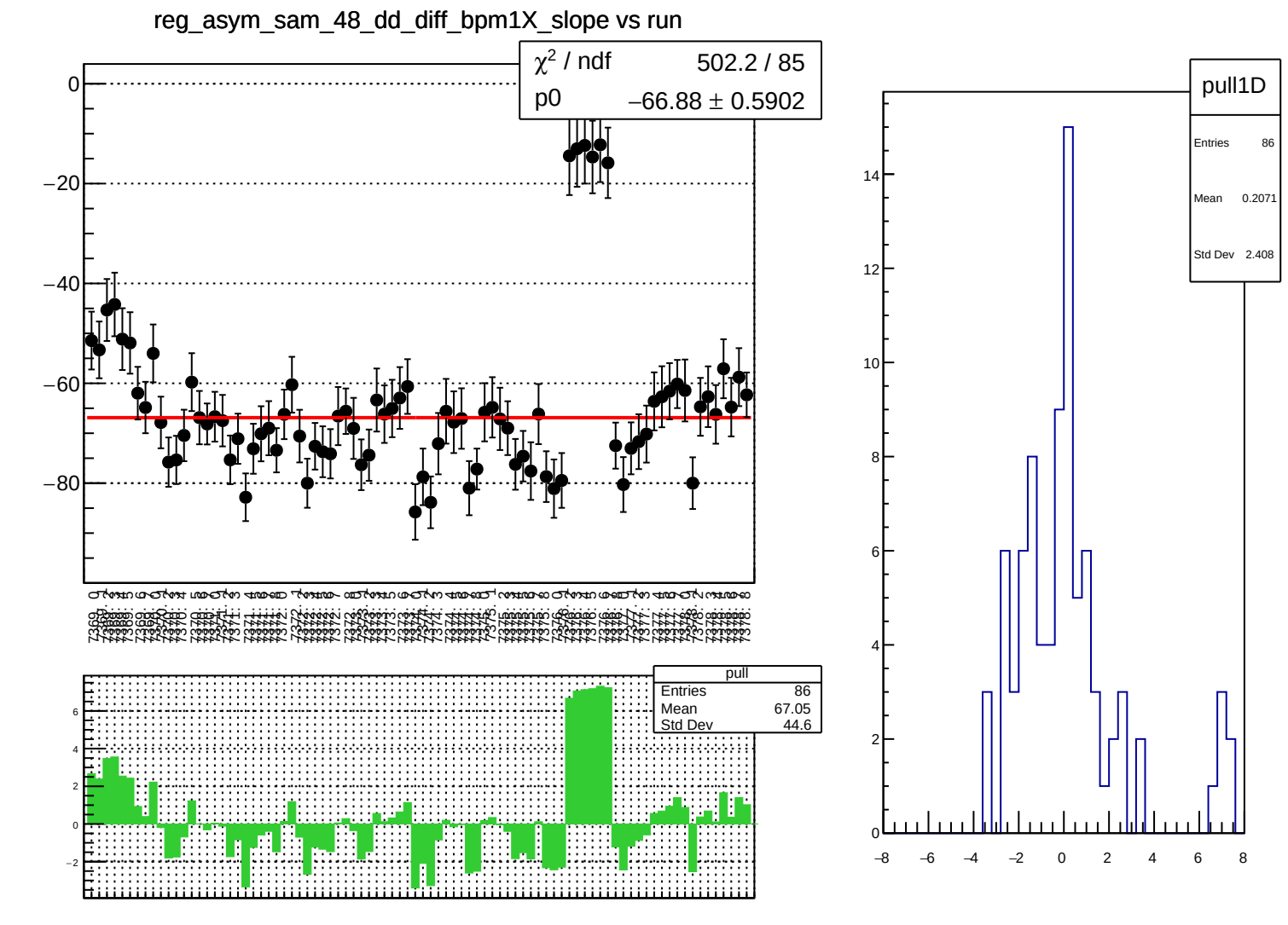

pull1D
Entries 86
Mean 0.03094
Std Dev 2.34

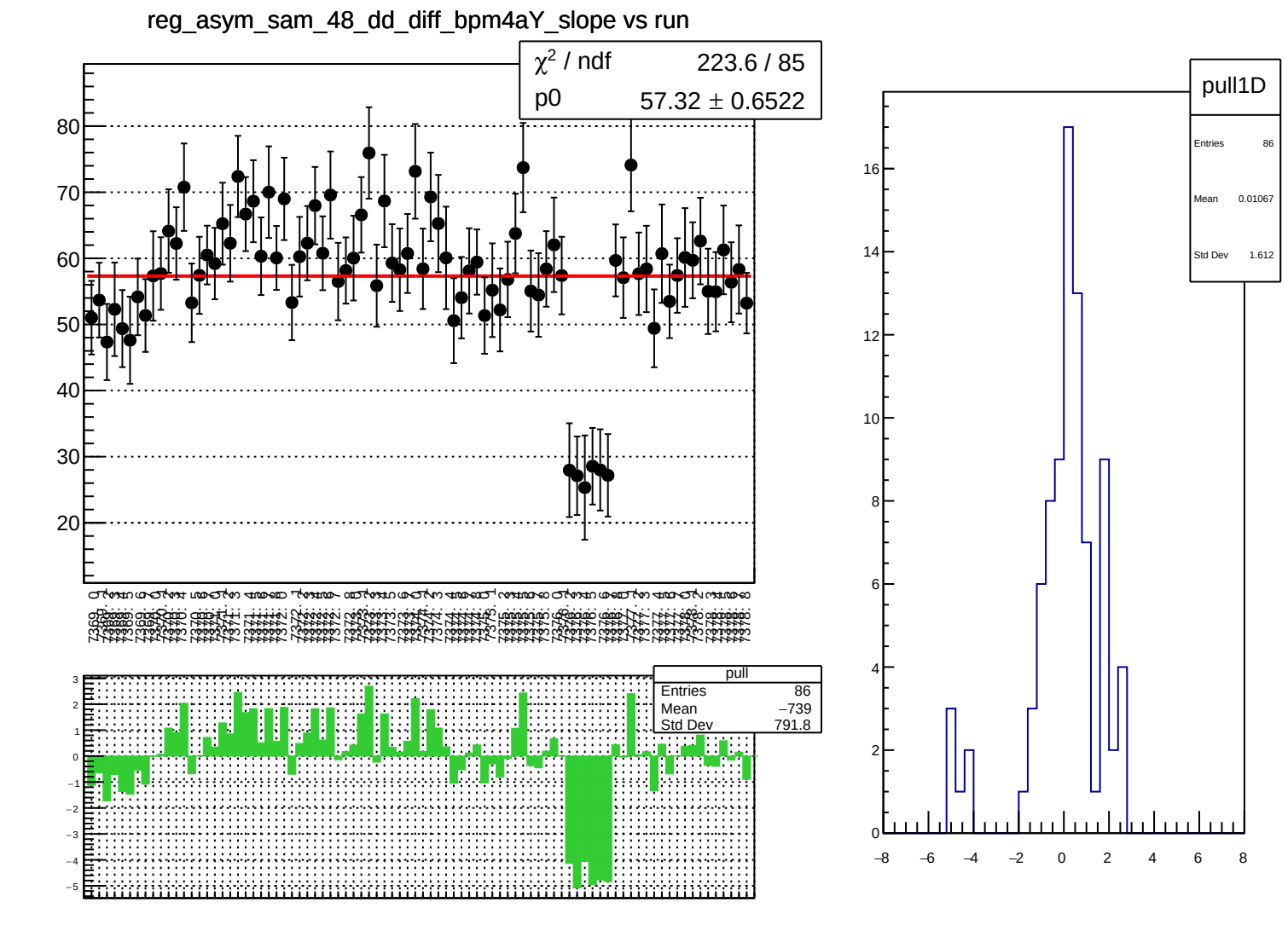

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 785.1 / 85
p0 −4.607 ± 0.7427
pull
Entries 86
Mean 93.85
Std Dev 27.04
pull1D
Entries 86
Mean 0.3537
Std Dev 1.942

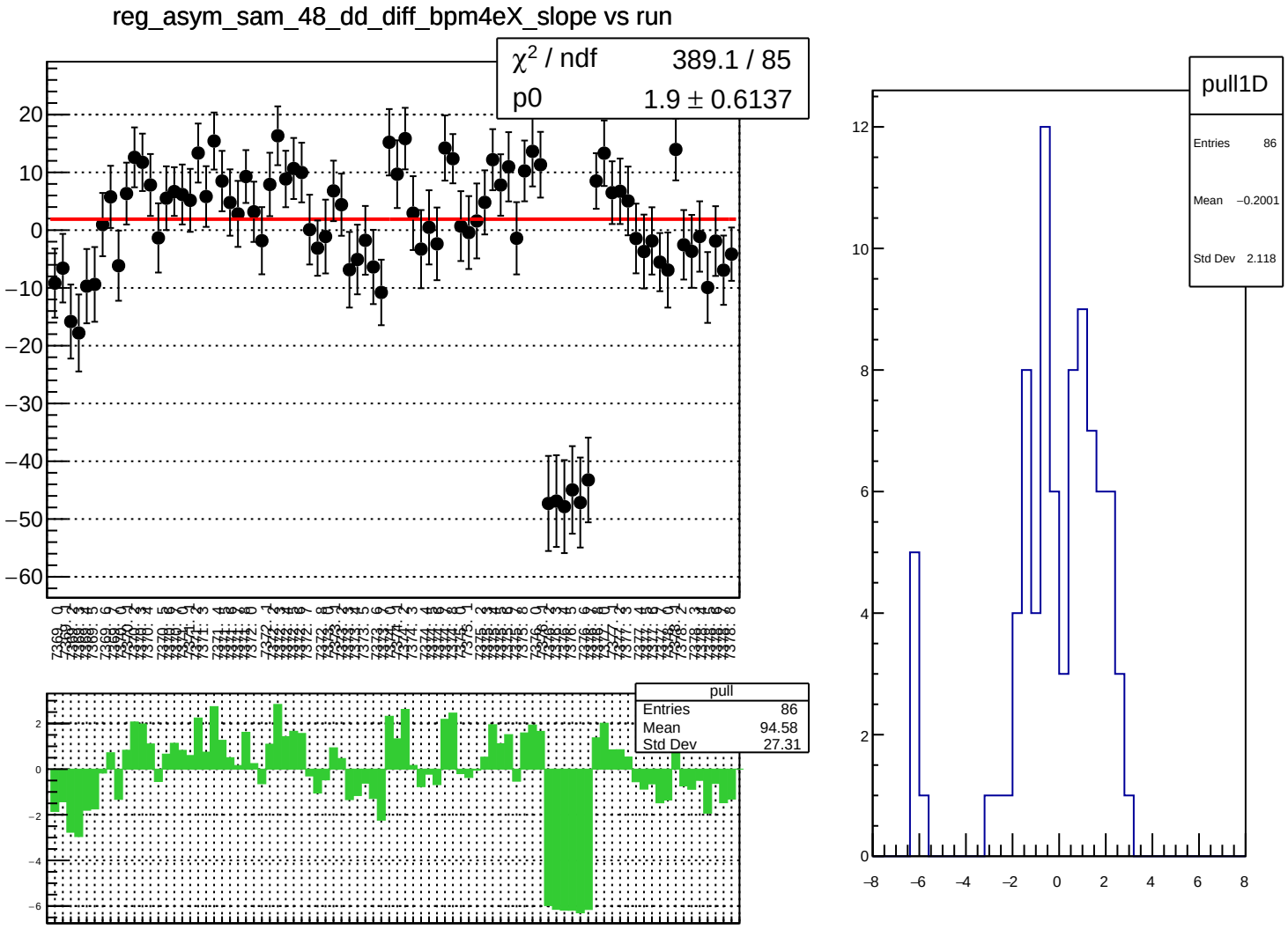

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 357 / 85
p0 69.49 ± 0.8433
pull
Entries 86
Mean 1070
Std Dev 1026

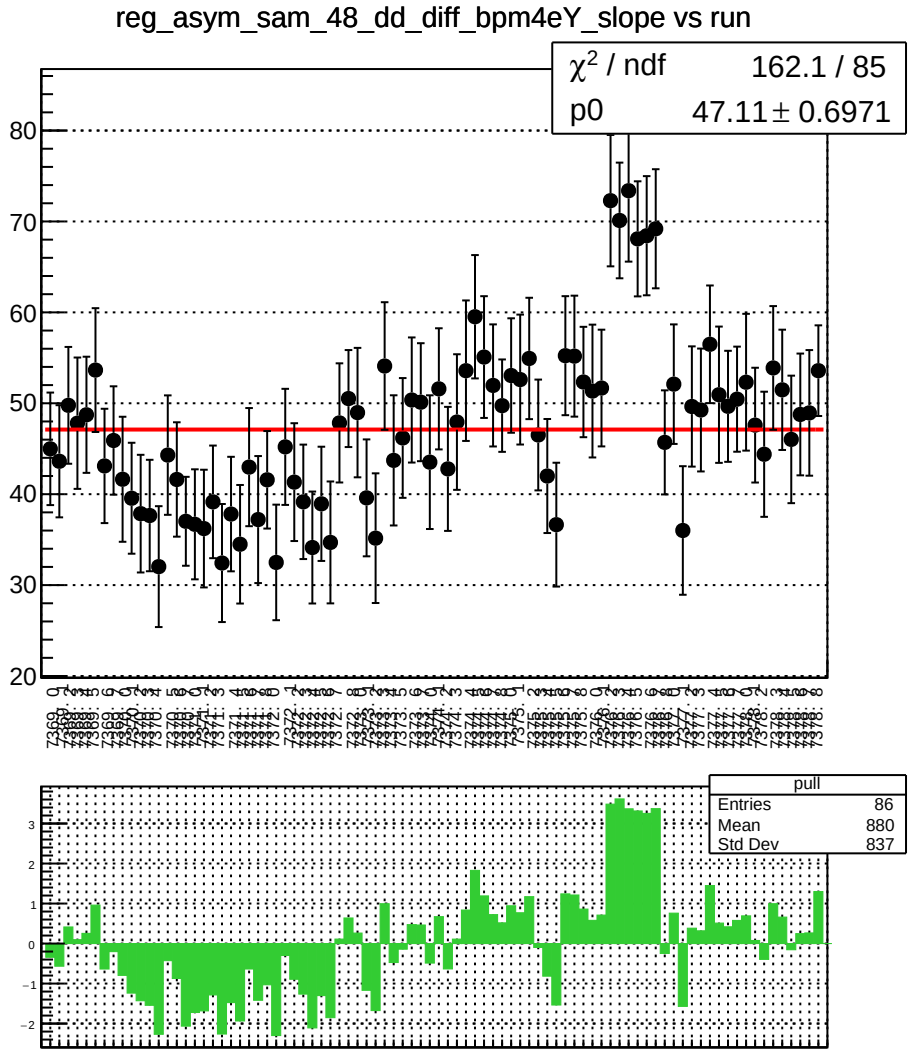

pull1D
Entries 86
Mean 0.02344
Std Dev 2.037

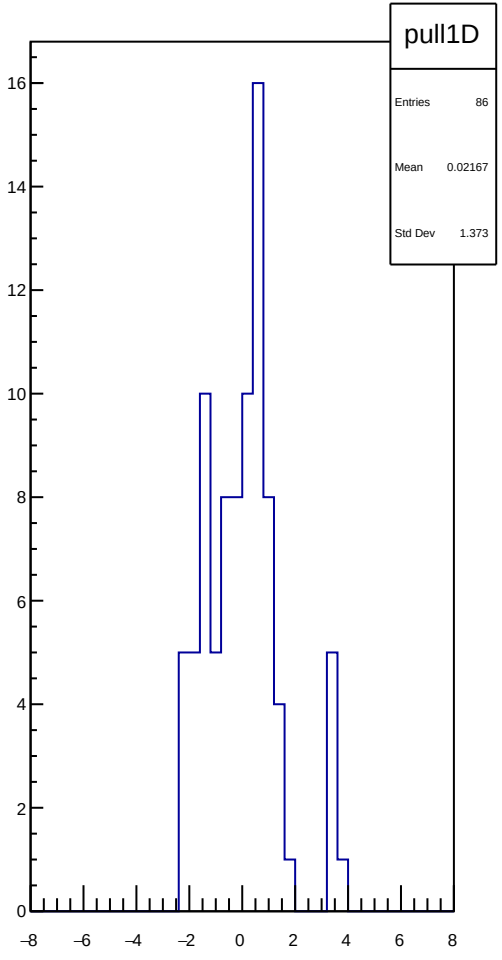

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 733.8 / 85
p0 −0.2157 ± 0.03867
pull
Entries 86
Mean 517
Std Dev 471.4
pull1D
Entries 86
Mean 0.1304
Std Dev 2.918

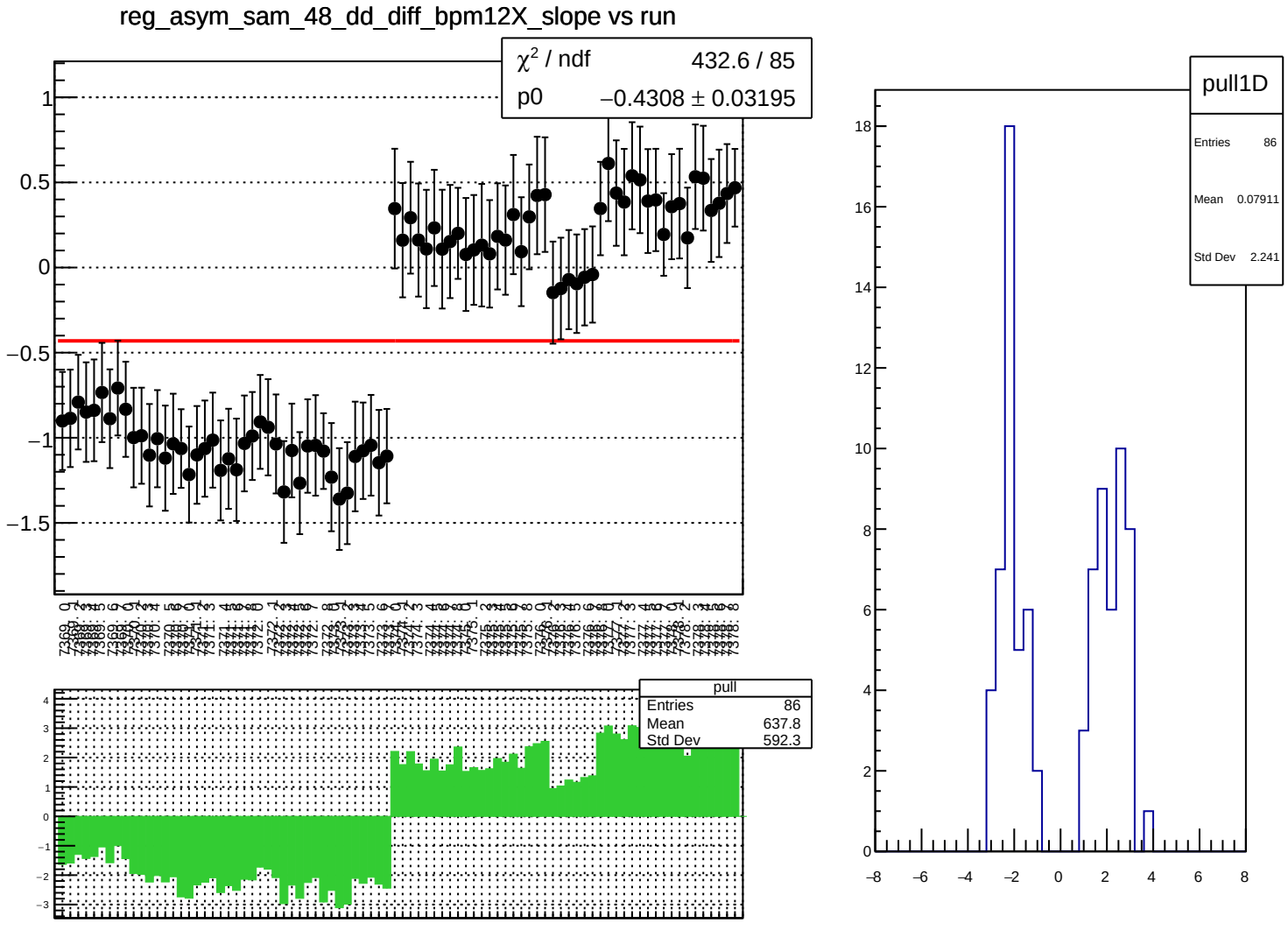

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 502.2 / 85
p0 −66.88 ± 0.5902
pull
Entries 86
Mean 67.05
Std Dev 44.6
pull1D
Entries 86
Mean 0.2071
Std Dev 2.408

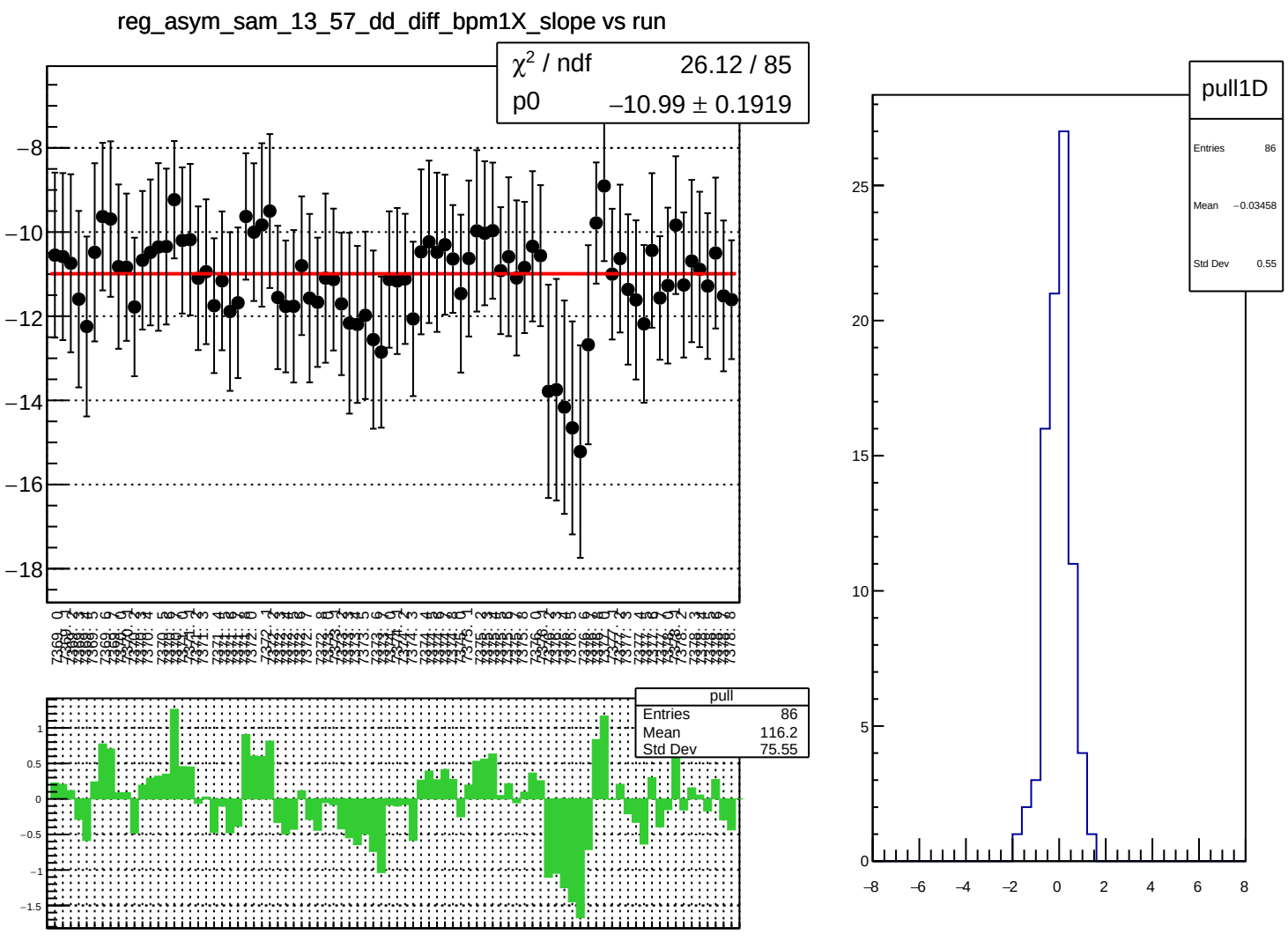

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 223.6 / 85
p0 57.32 ± 0.6522
pull
Entries 86
Mean −739
Std Dev 791.8
pull1D
Entries 86
Mean 0.01067
Std Dev 1.612

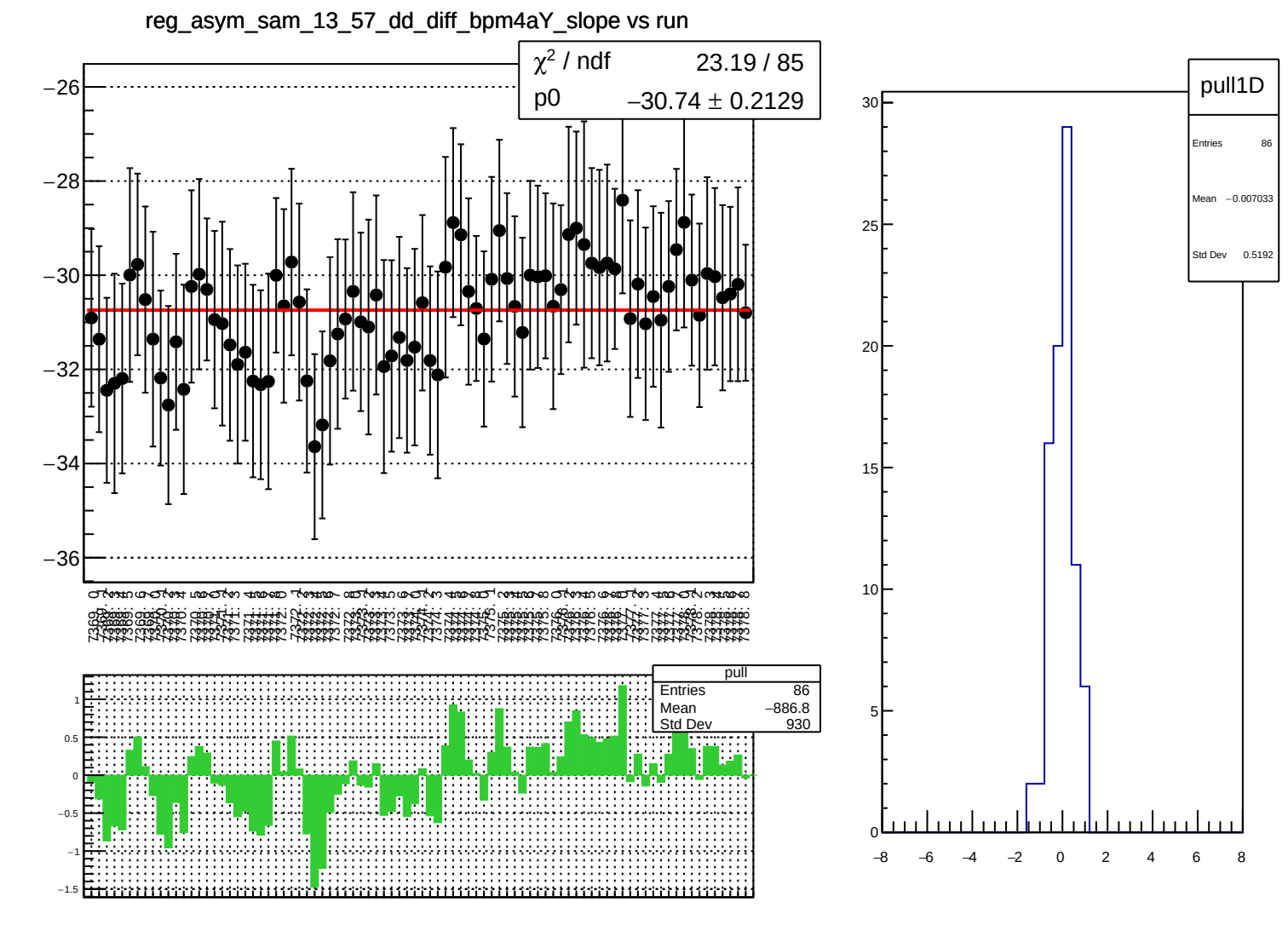

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 389.1 / 85
p0 1.9 ± 0.6137
pull
Entries 86
Mean 94.58
Std Dev 27.31
pull1D
Entries 86
Mean −0.2001
Std Dev 2.118

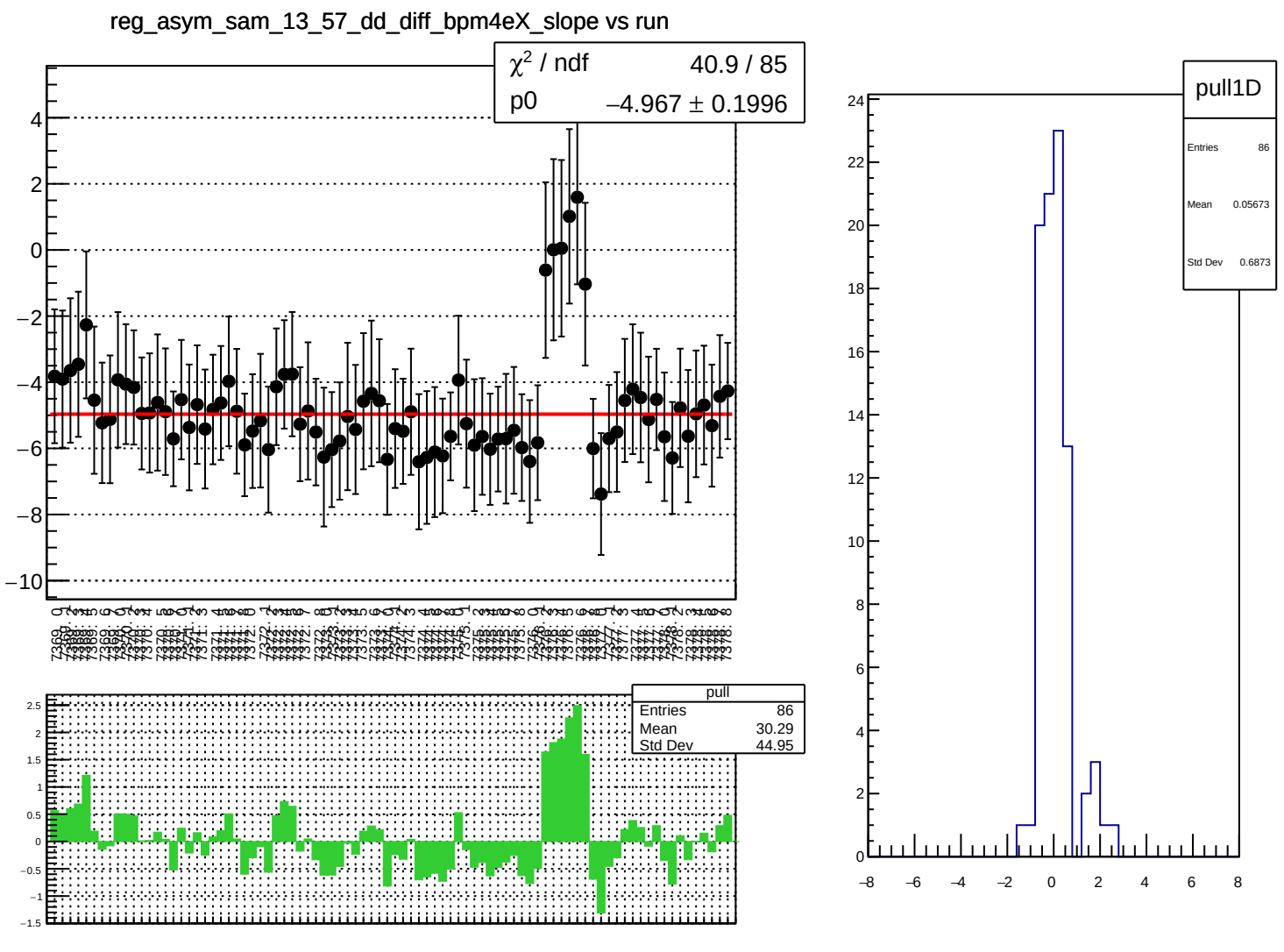

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 162.1 / 85
p0 47.11 ± 0.6971
pull
Entries 86
Mean 880
Std Dev 837

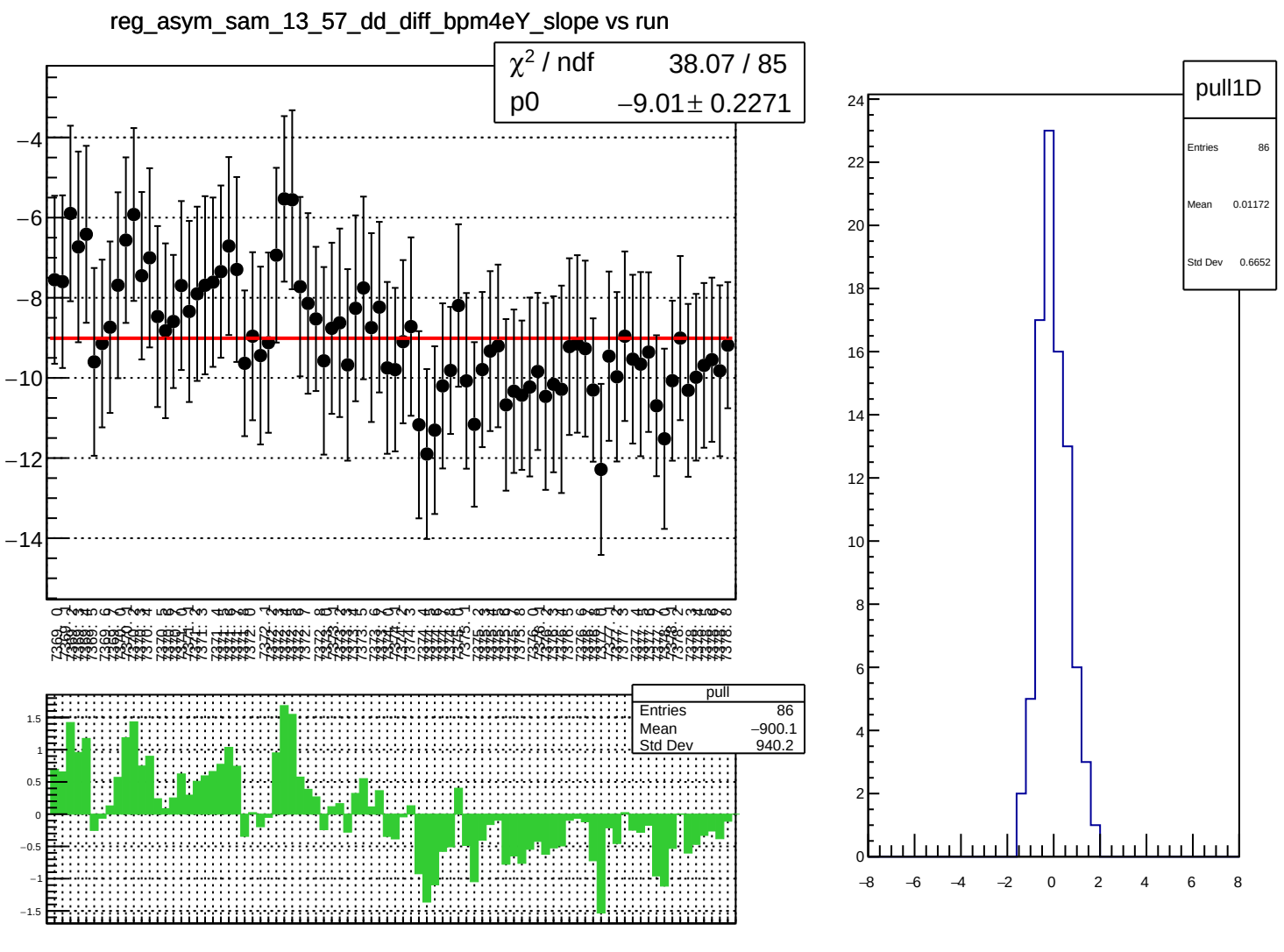

pull1D
Entries 86
Mean 0.02167
Std Dev 1.373

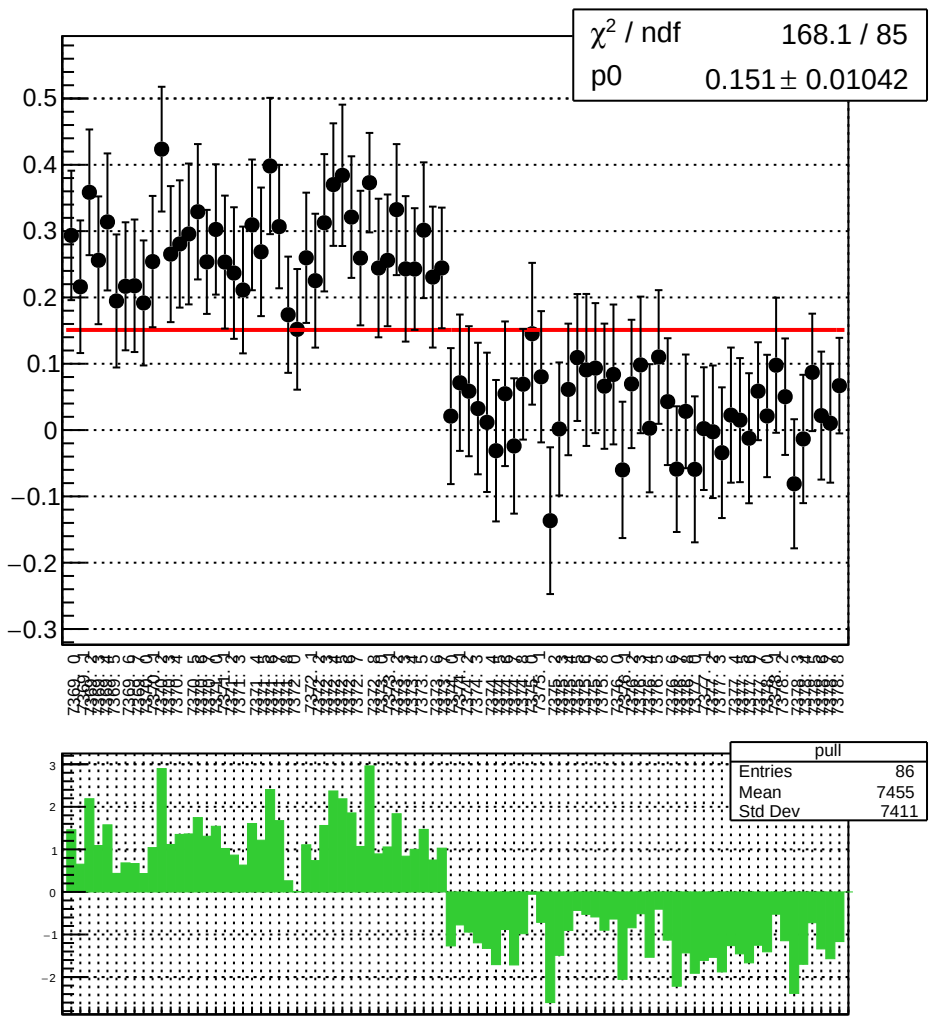

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 432.6 / 85
p0 −0.4308 ± 0.03195
pull
Entries 86
Mean 637.8
Std Dev 592.3
pull1D
Entries 86
Mean 0.07911
Std Dev 2.241

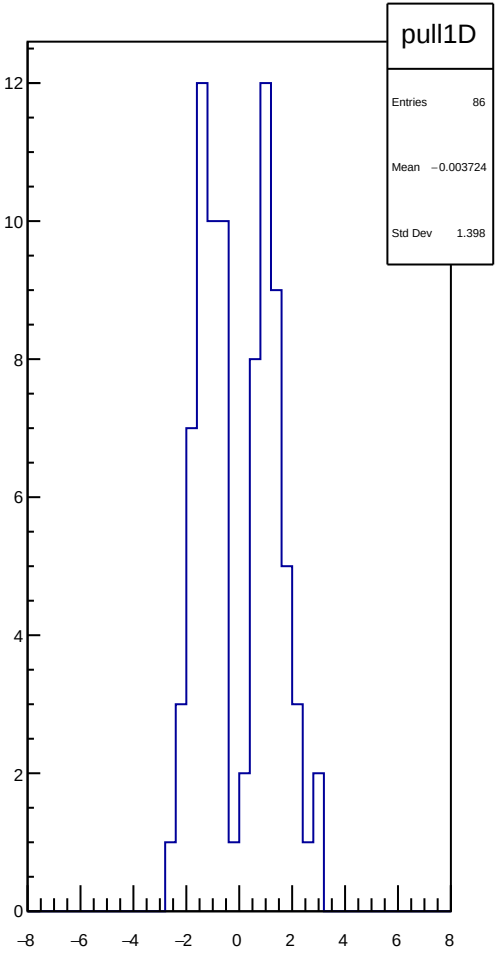

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 26.12 / 85
p0 −10.99 ± 0.1919
pull
Entries 86
Mean 116.2
Std Dev 75.55
pull1D
Entries 86
Mean −0.03458
Std Dev 0.55

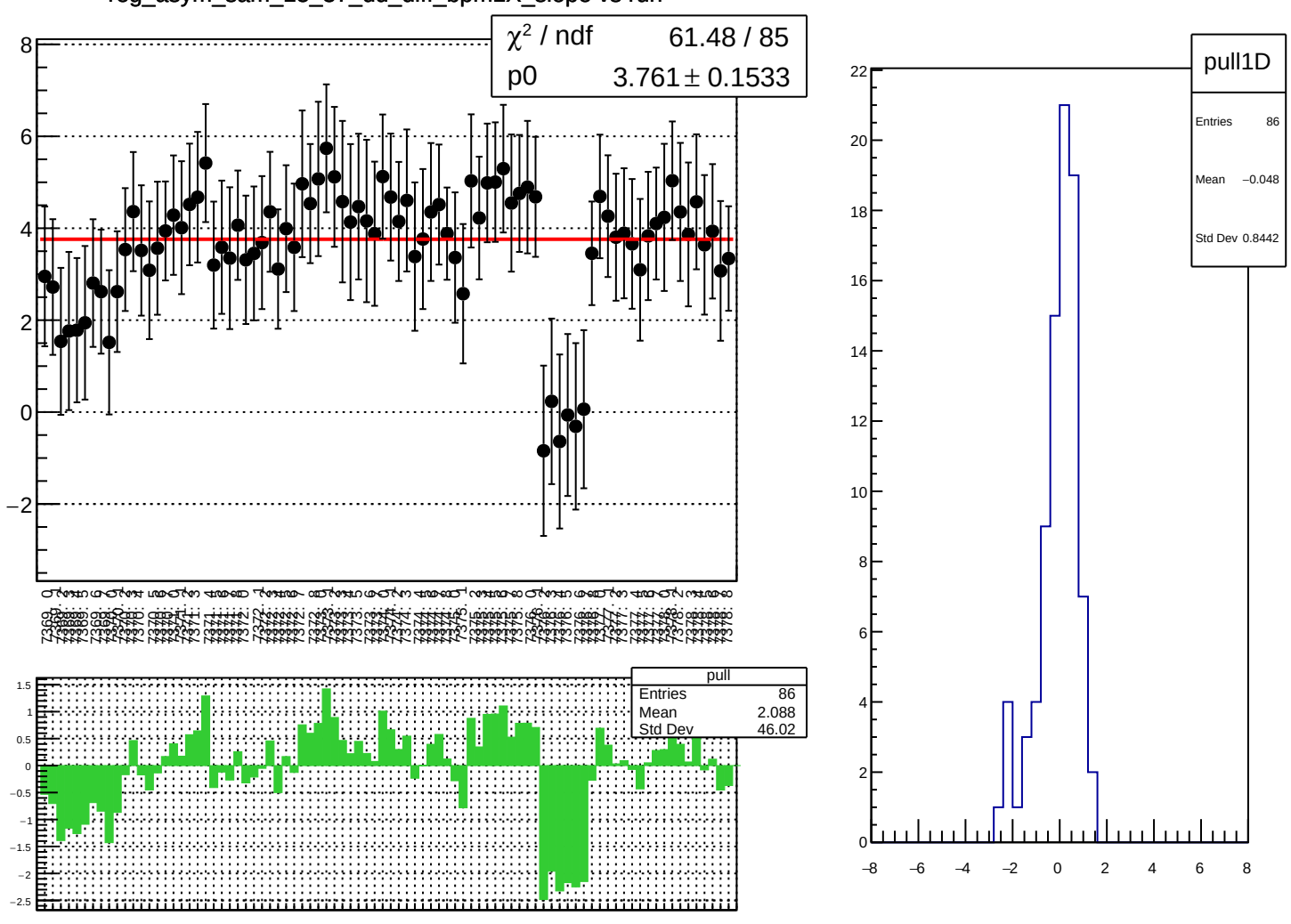

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.19 / 85
p0 −30.74 ± 0.2129
pull
Entries 86
Mean −886.8
Std Dev 930
pull1D
Entries 86
Mean −0.007033
Std Dev 0.5192

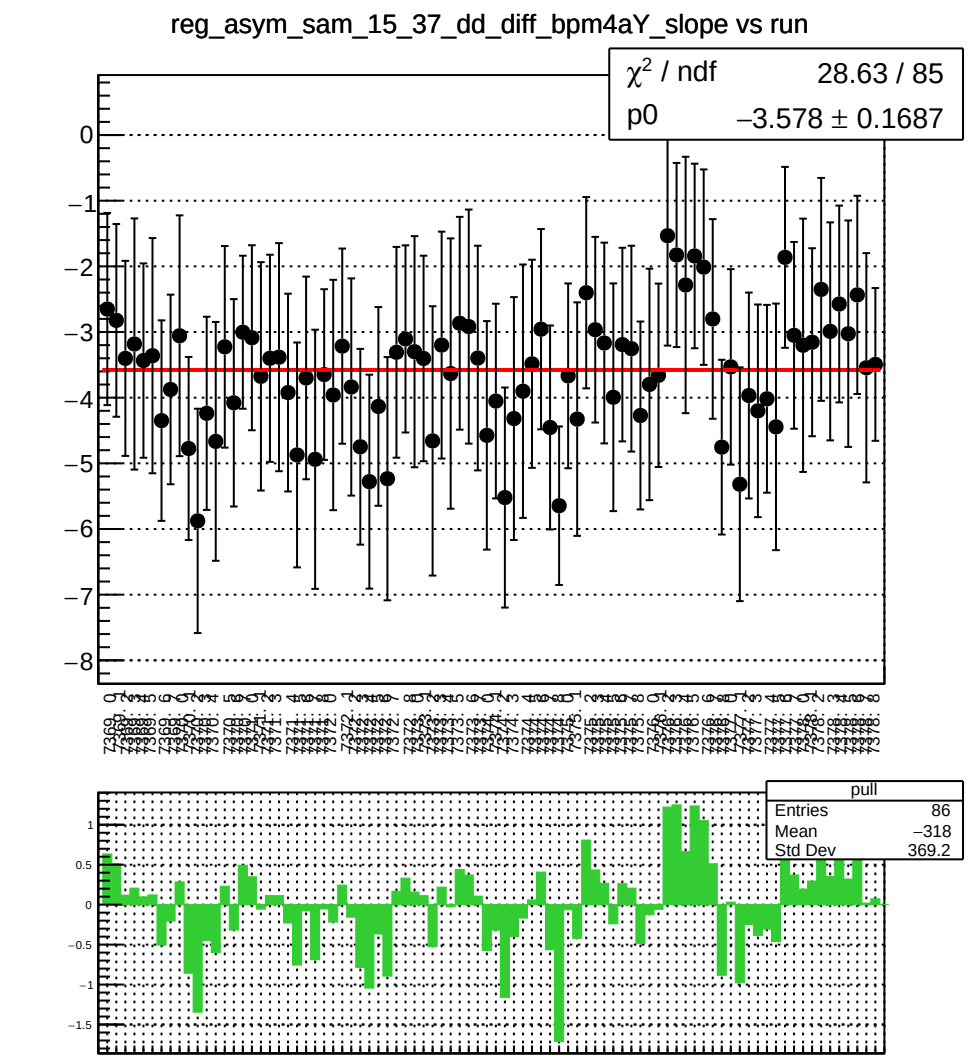

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.9 / 85
p0 −4.967 ± 0.1996
pull
Entries 86
Mean 30.29
Std Dev 44.95
pull1D
Entries 86
Mean 0.05673
Std Dev 0.6873

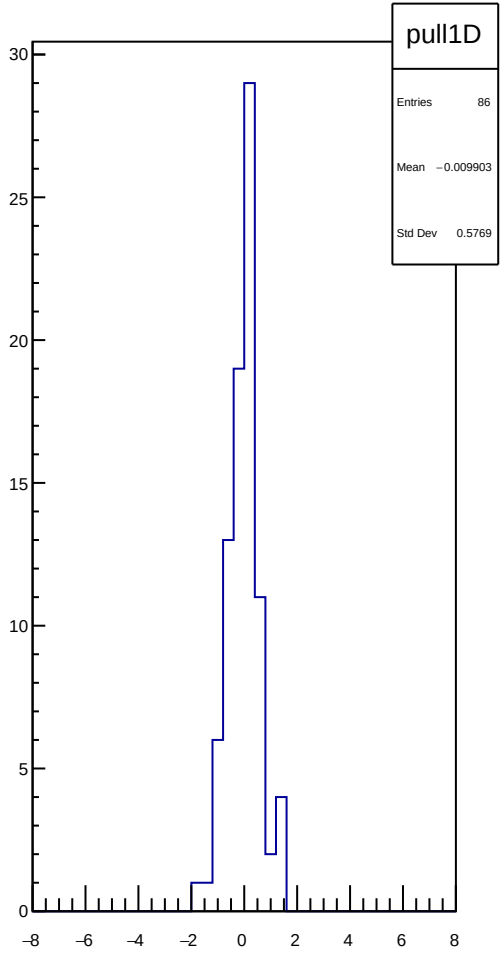

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.07 / 85
p0 −9.01 ± 0.2271
pull
Entries 86
Mean −900.1
Std Dev 940.2
pull1D
Entries 86
Mean 0.01172
Std Dev 0.6652

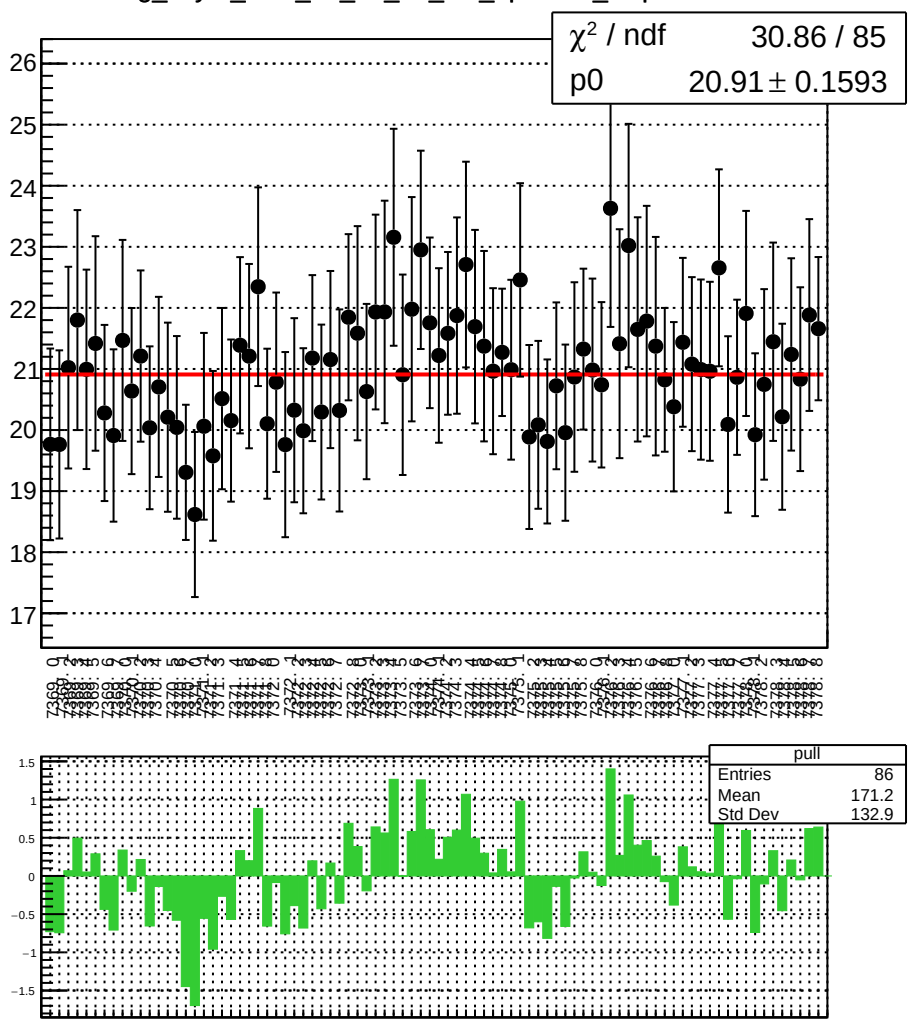

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 168.1 / 85
p0 0.151 ± 0.01042
pull
Entries 86
Mean 7455
Std Dev 7411

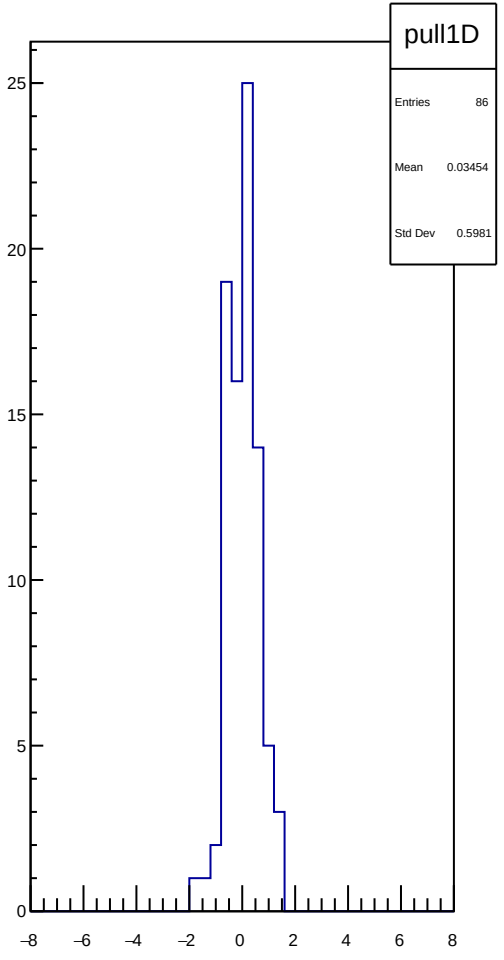

pull1D
Entries 86
Mean −0.003724
Std Dev 1.398

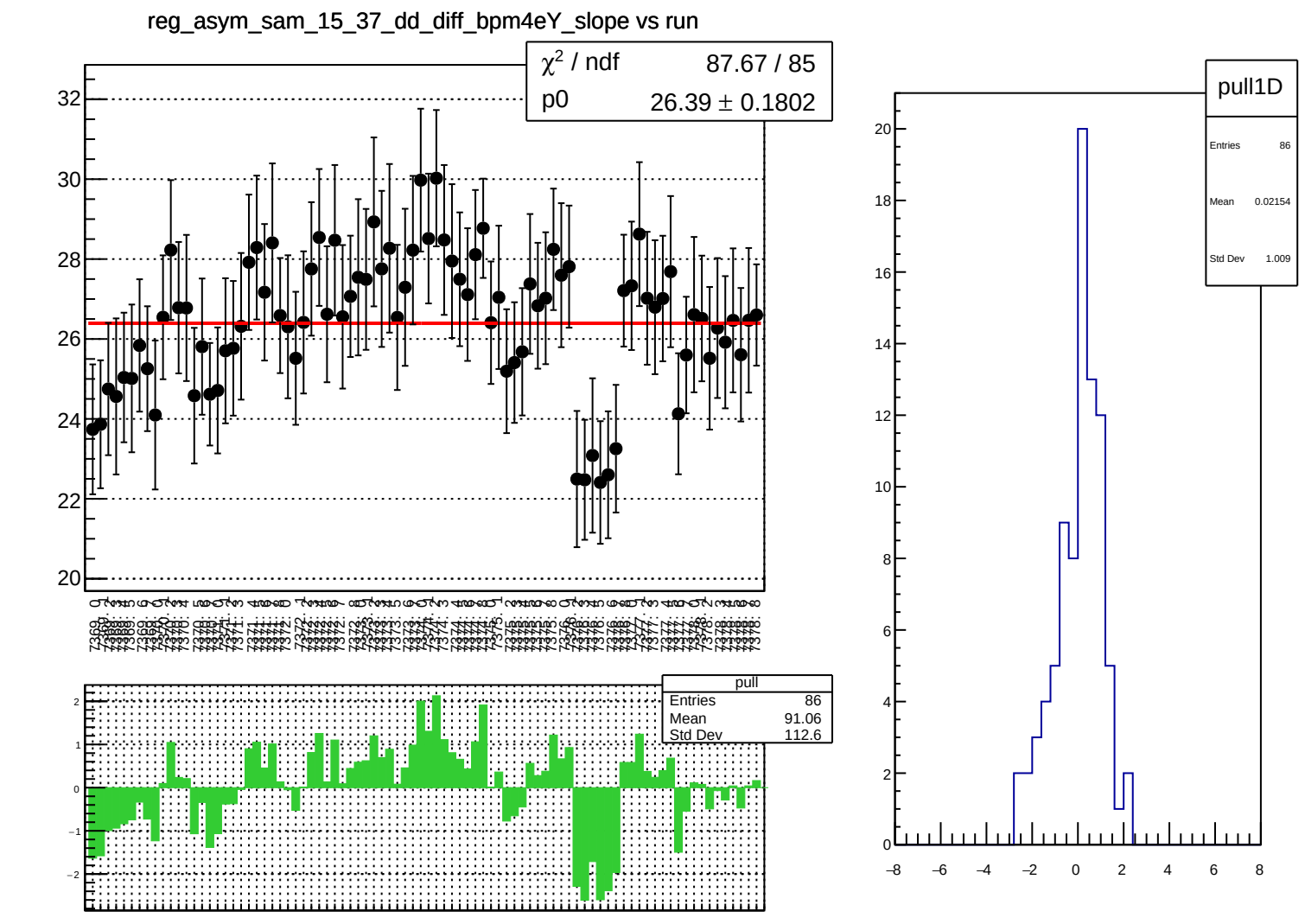

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 61.48 / 85
p0 3.761 ± 0.1533
pull
Entries 86
Mean 2.088
Std Dev 46.02
pull1D
Entries 86
Mean −0.048
Std Dev 0.8442

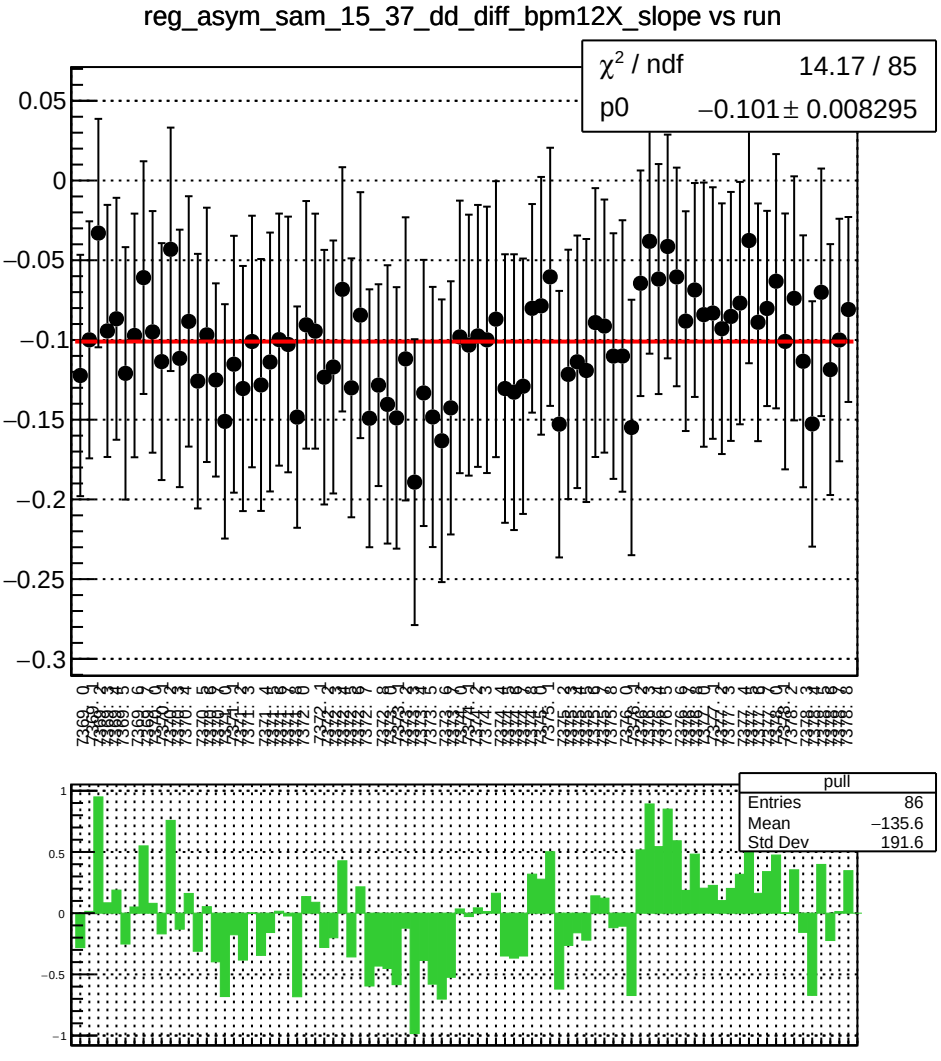

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.63 / 85
p0 −3.578 ± 0.1687
pull
Entries 86
Mean −318
Std Dev 369.2

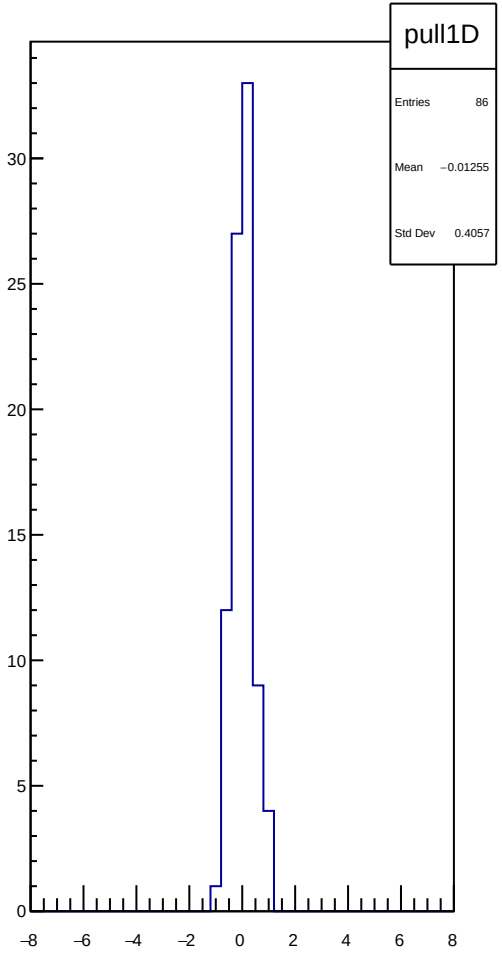

pull1D
Entries 86
Mean −0.009903
Std Dev 0.5769

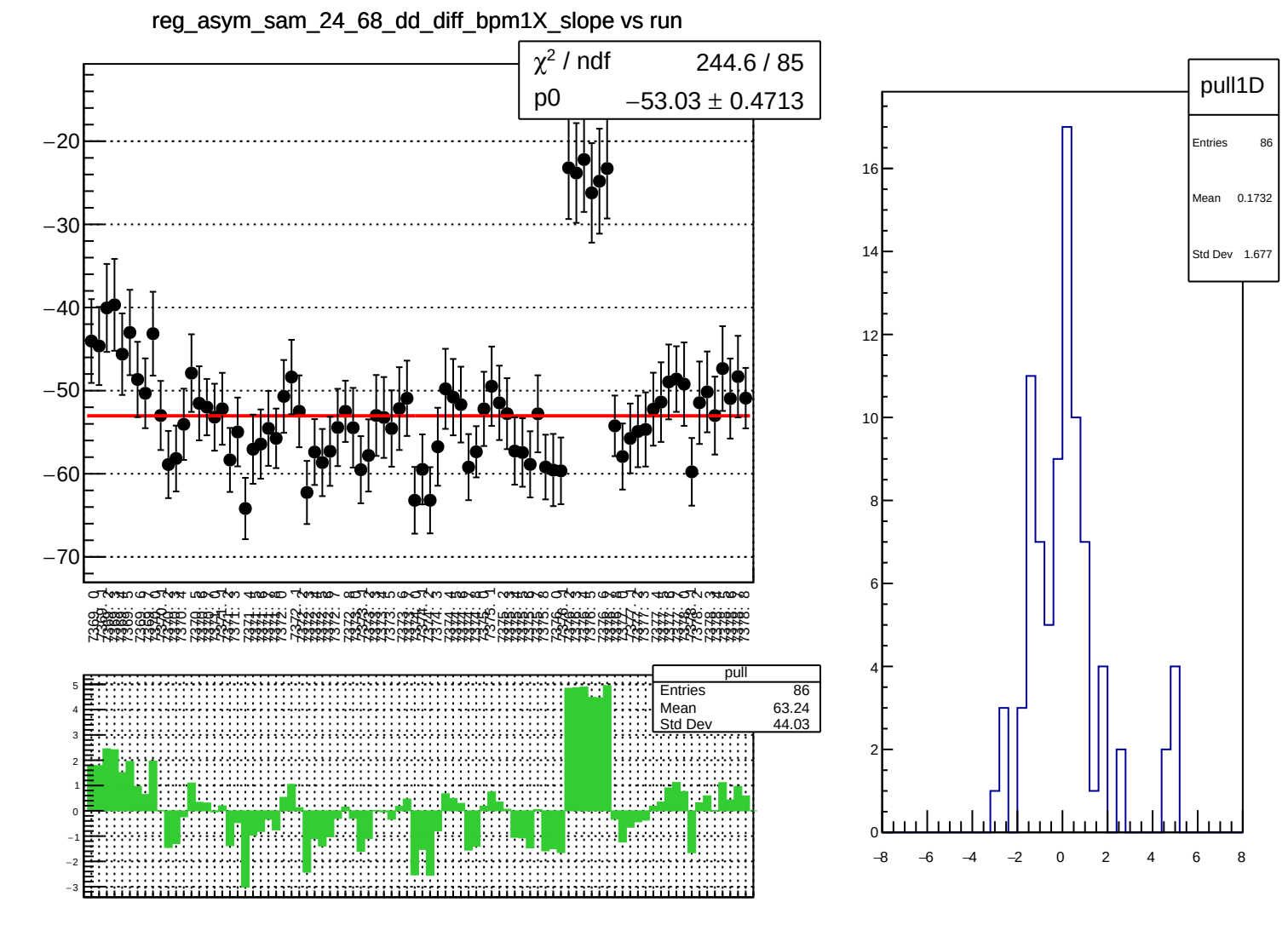

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 30.86 / 85
p0 20.91 ± 0.1593
pull
Entries 86
Mean 171.2
Std Dev 132.9

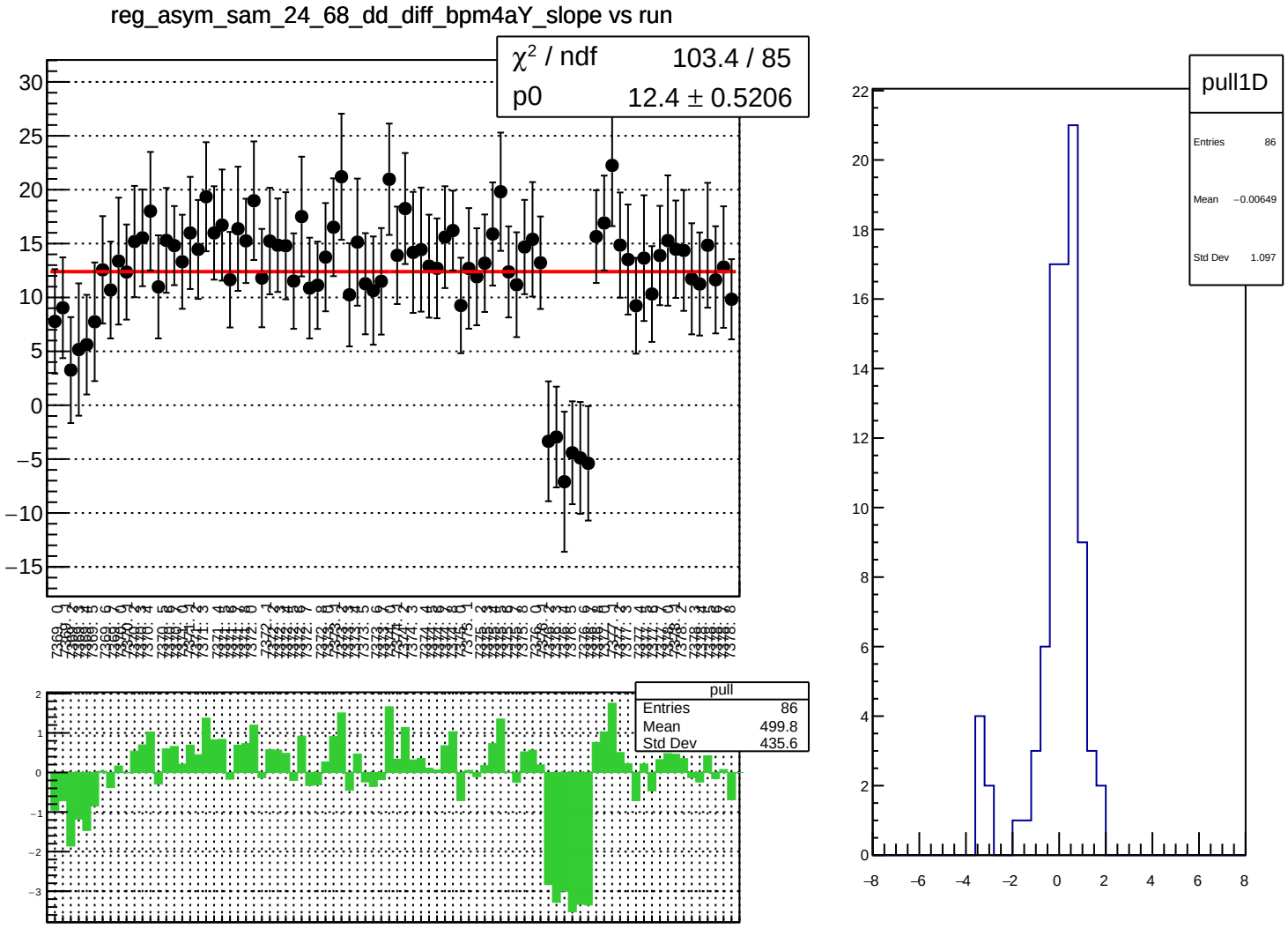

pull1D
Entries 86
Mean 0.03454
Std Dev 0.5981

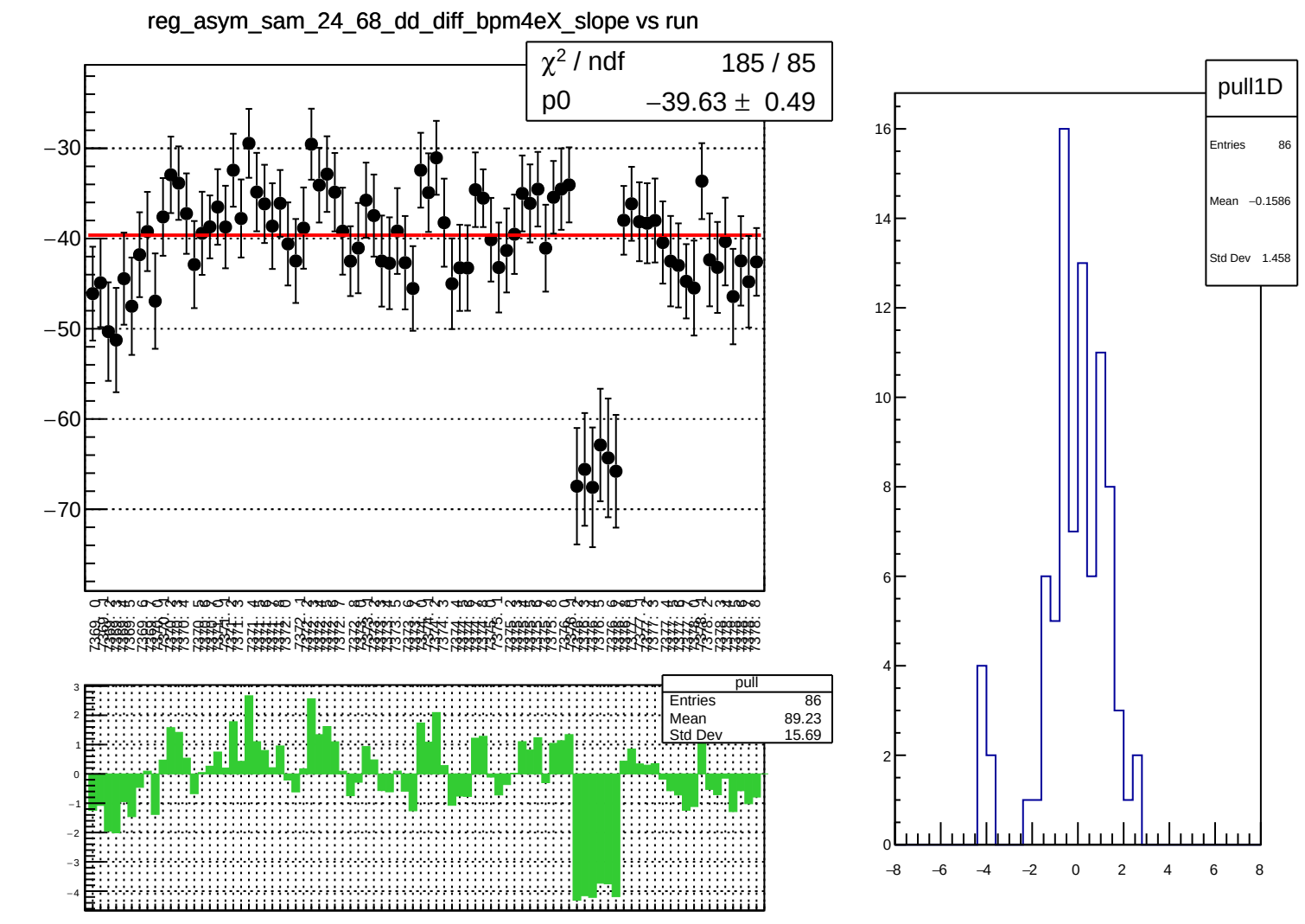

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 87.67 / 85
p0 26.39 ± 0.1802
pull
Entries 86
Mean 91.06
Std Dev 112.6
pull1D
Entries 86
Mean 0.02154
Std Dev 1.009

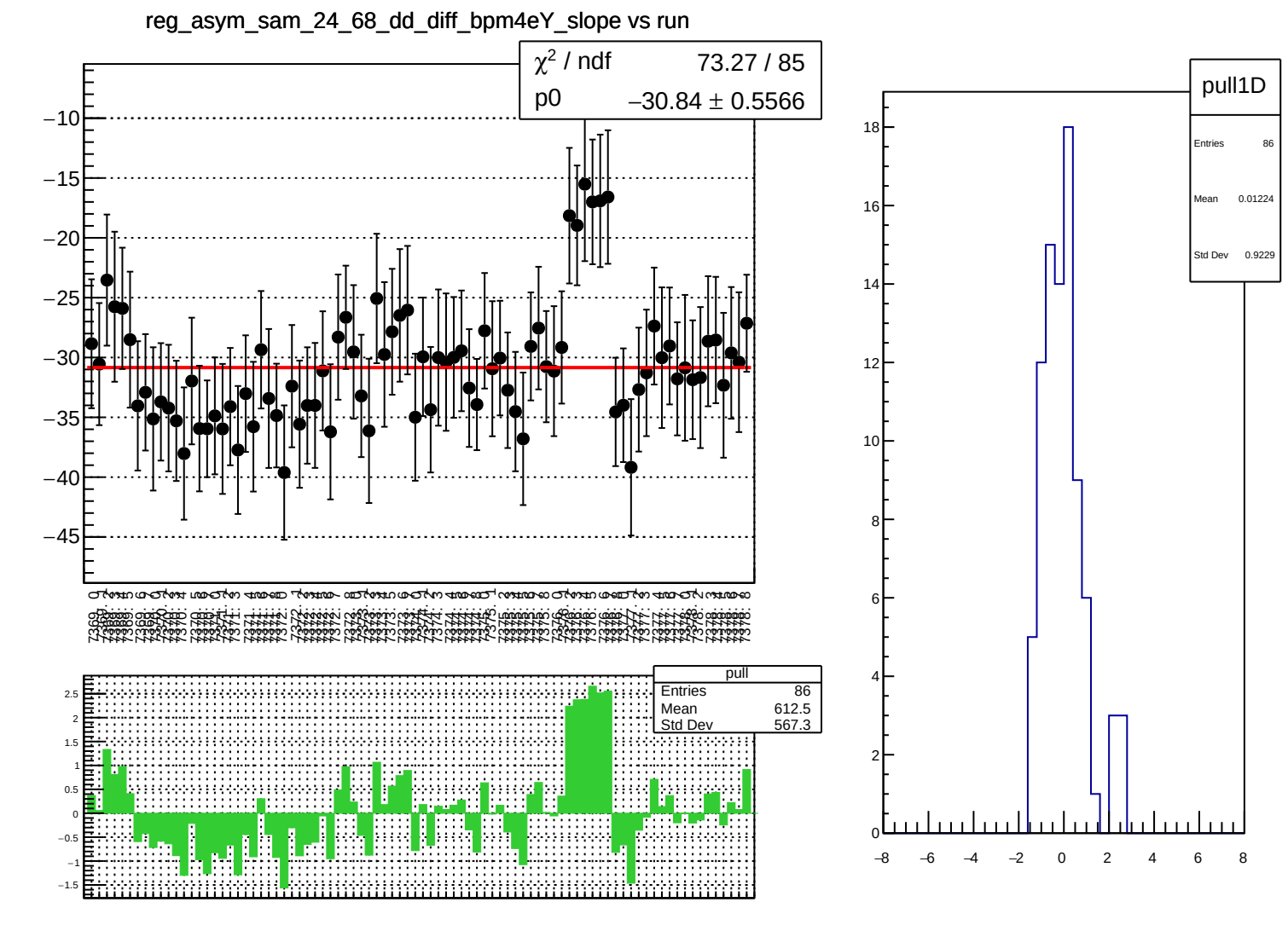

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 14.17 / 85
p0 −0.101 ± 0.008295
pull
Entries 86
Mean −135.6
Std Dev 191.6

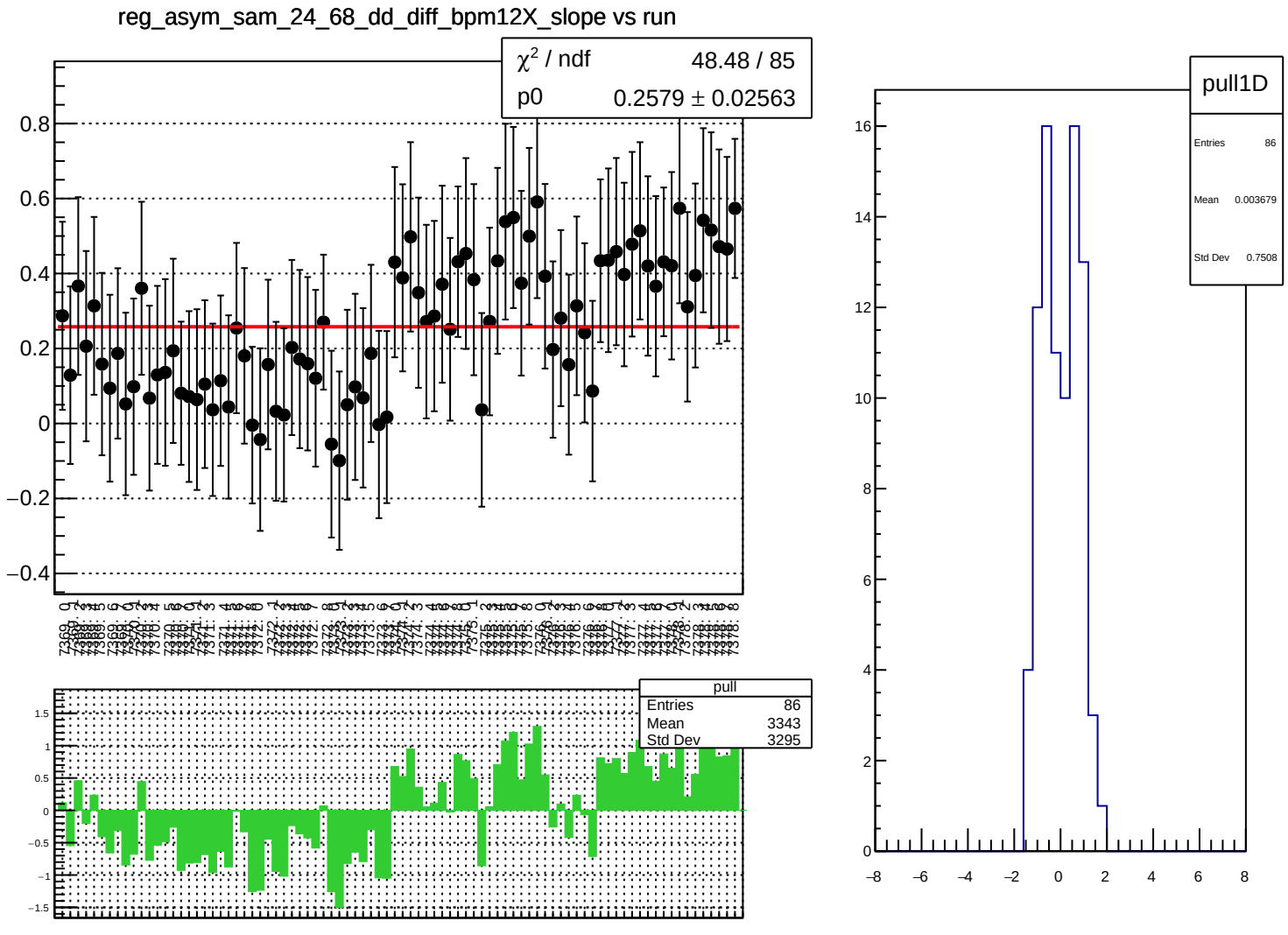

pull1D
Entries 86
Mean −0.01255
Std Dev 0.4057

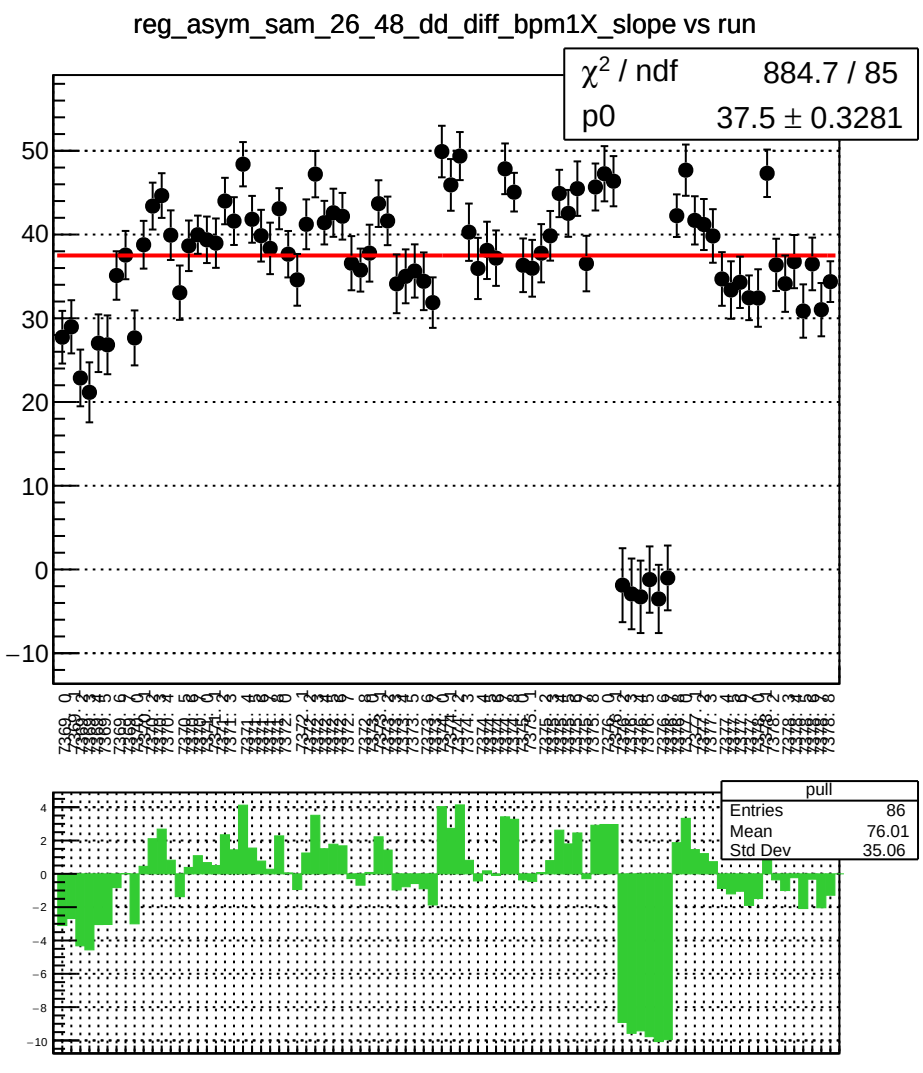

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 244.6 / 85
p0 −53.03 ± 0.4713
pull
Entries 86
Mean 63.24
Std Dev 44.03
pull1D
Entries 86
Mean 0.1732
Std Dev 1.677

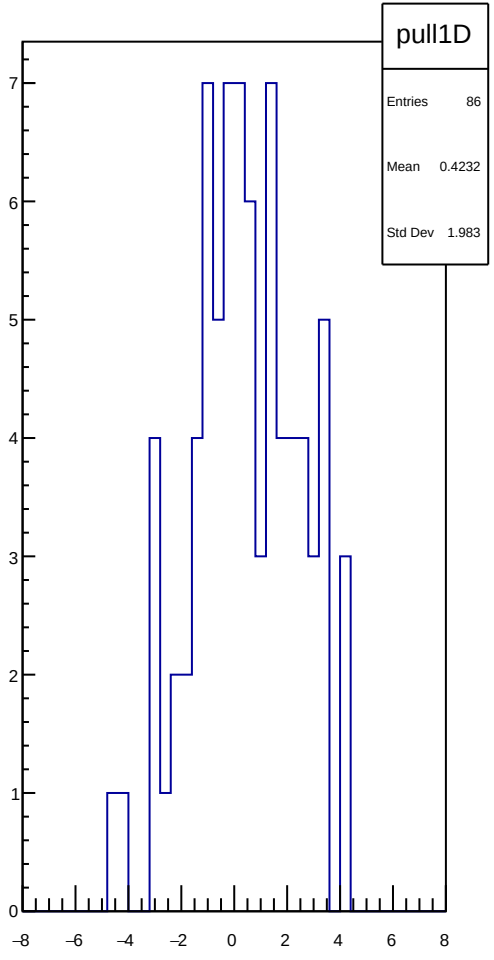

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 103.4 / 85
p0 12.4 ± 0.5206
pull
Entries 86
Mean 499.8
Std Dev 435.6
pull1D
Entries 86
Mean −0.00649
Std Dev 1.097

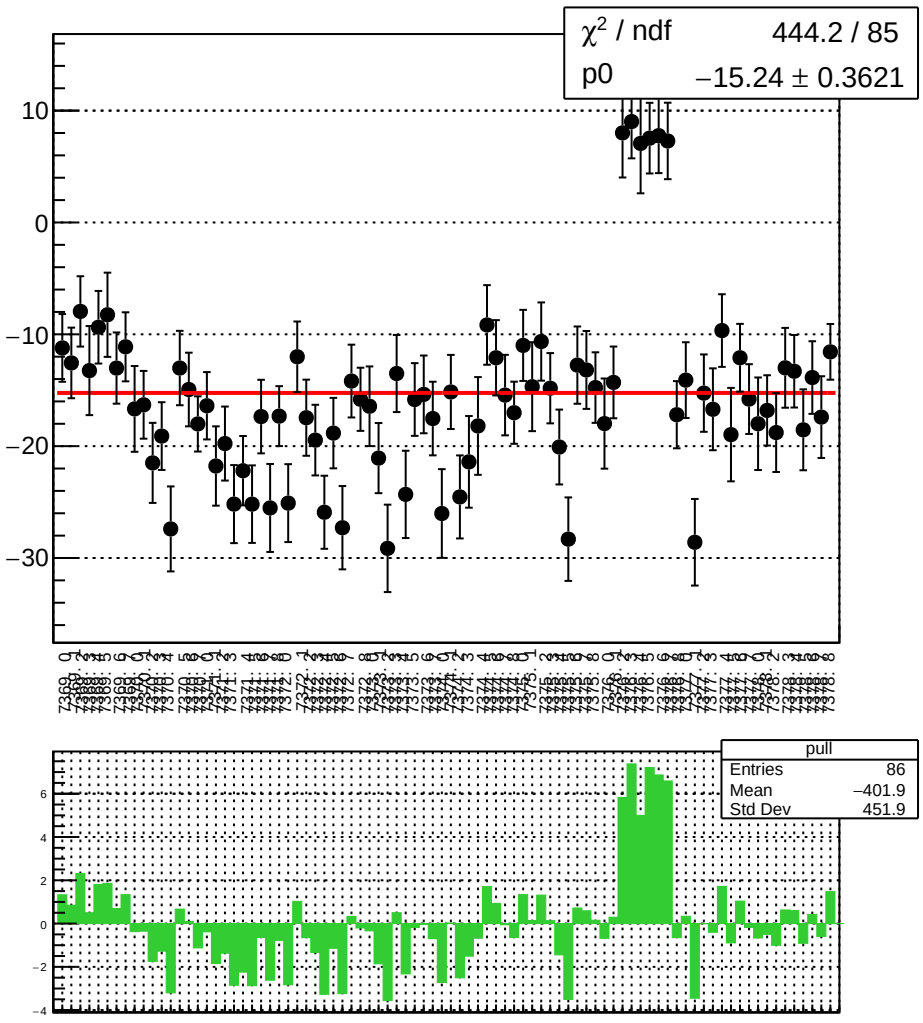

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 185 / 85
p0 −39.63 ± 0.49
−30
−40
−50
−60
−70
pull
Entries 86
Mean 89.23
Std Dev 15.69
3
2
1
0
−1
−2
−3
−4
pull1D
Entries 86
Mean −0.1586
Std Dev 1.458
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

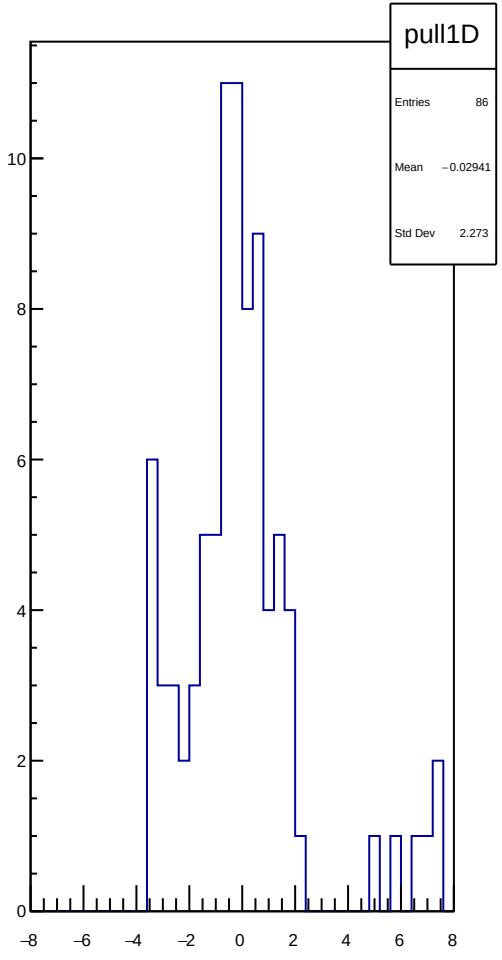

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 73.27 / 85
p0 −30.84 ± 0.5566
pull
Entries 86
Mean 612.5
Std Dev 567.3
pull1D
Entries 86
Mean 0.01224
Std Dev 0.9229

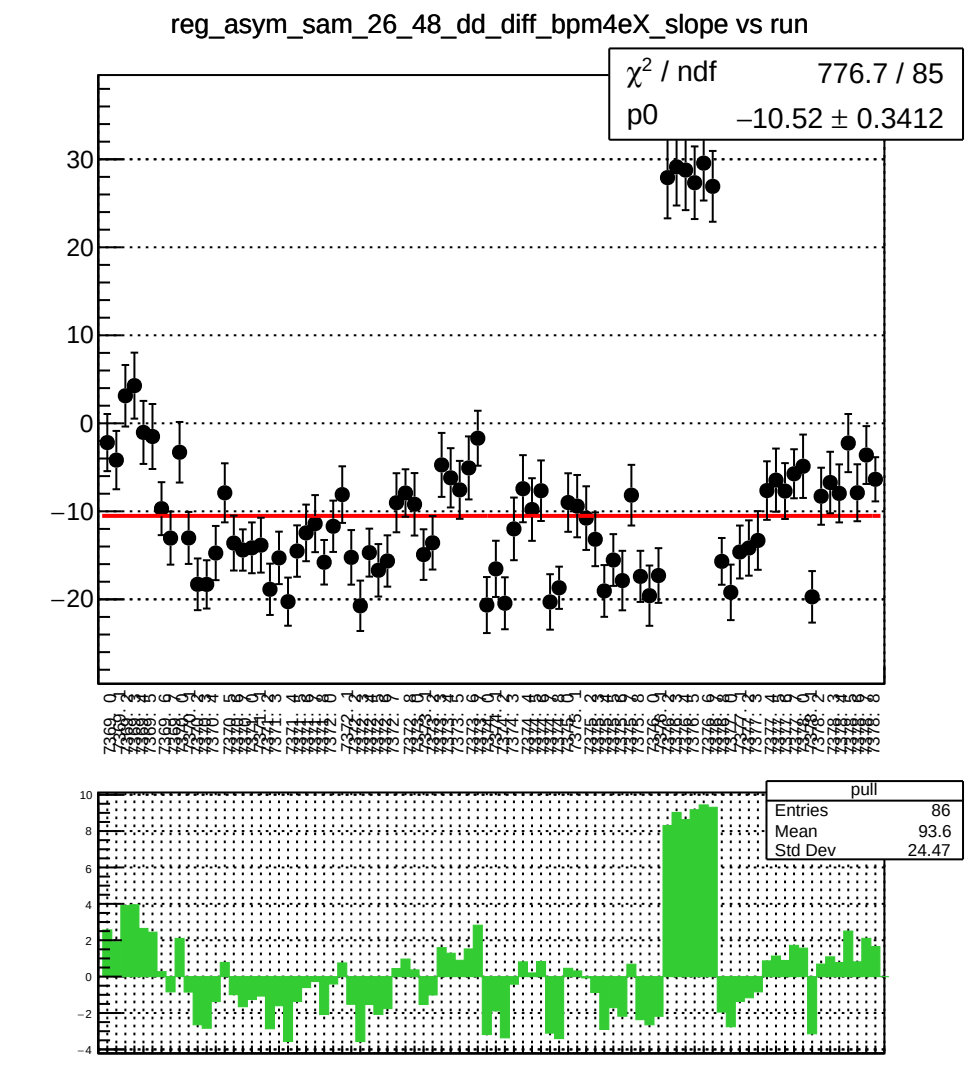

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 48.48 / 85
p0 0.2579 ± 0.02563
pull
Entries 86
Mean 3343
Std Dev 3295
pull1D
Entries 86
Mean 0.003679
Std Dev 0.7508

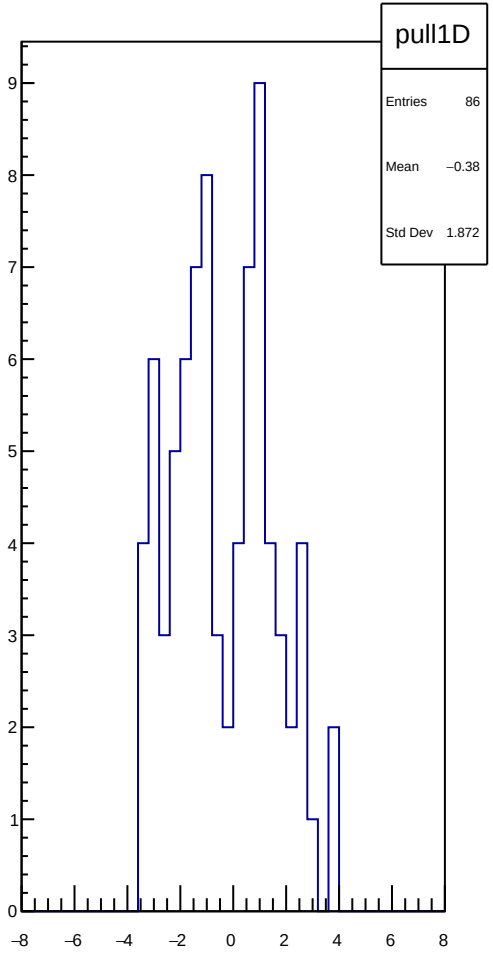

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 884.7 / 85
p0 37.5 ± 0.3281
pull
Entries 86
Mean 76.01
Std Dev 35.06

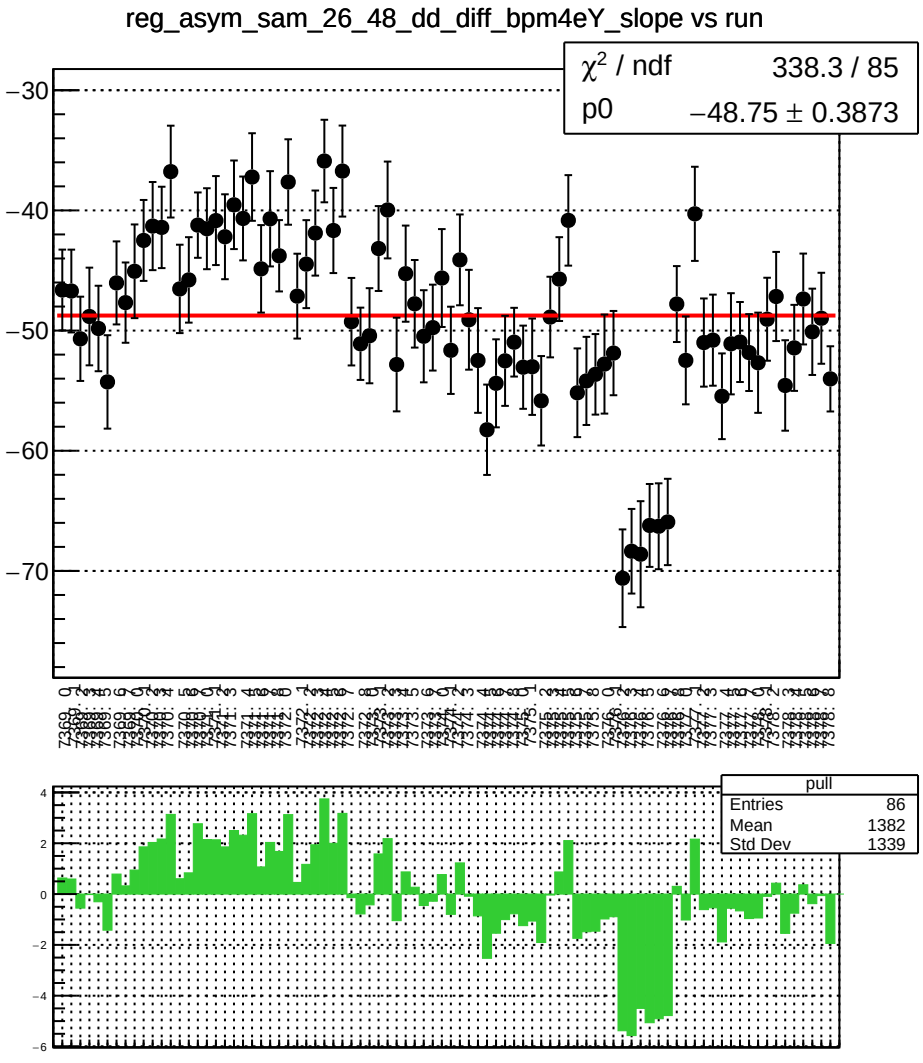

pull1D
Entries 86
Mean 0.4232
Std Dev 1.983

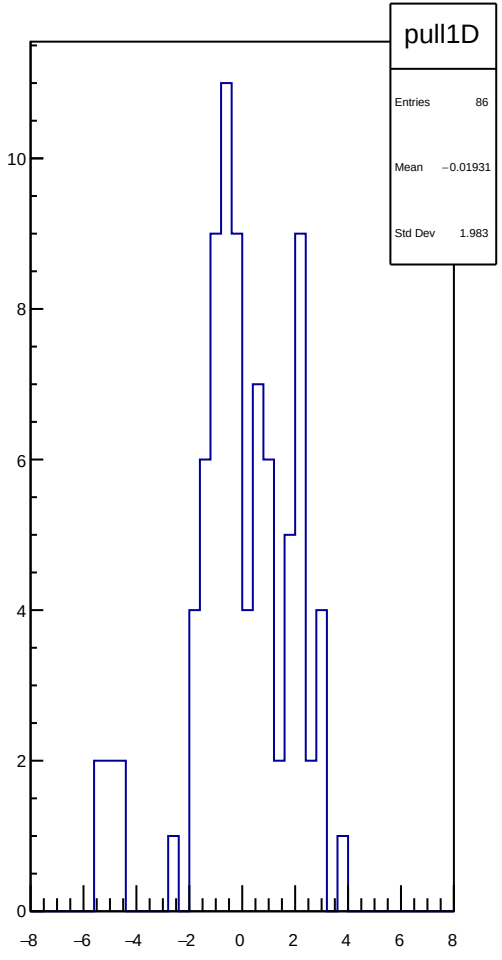

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 444.2 / 85
p0 −15.24 ± 0.3621
pull
Entries 86
Mean −401.9
Std Dev 451.9

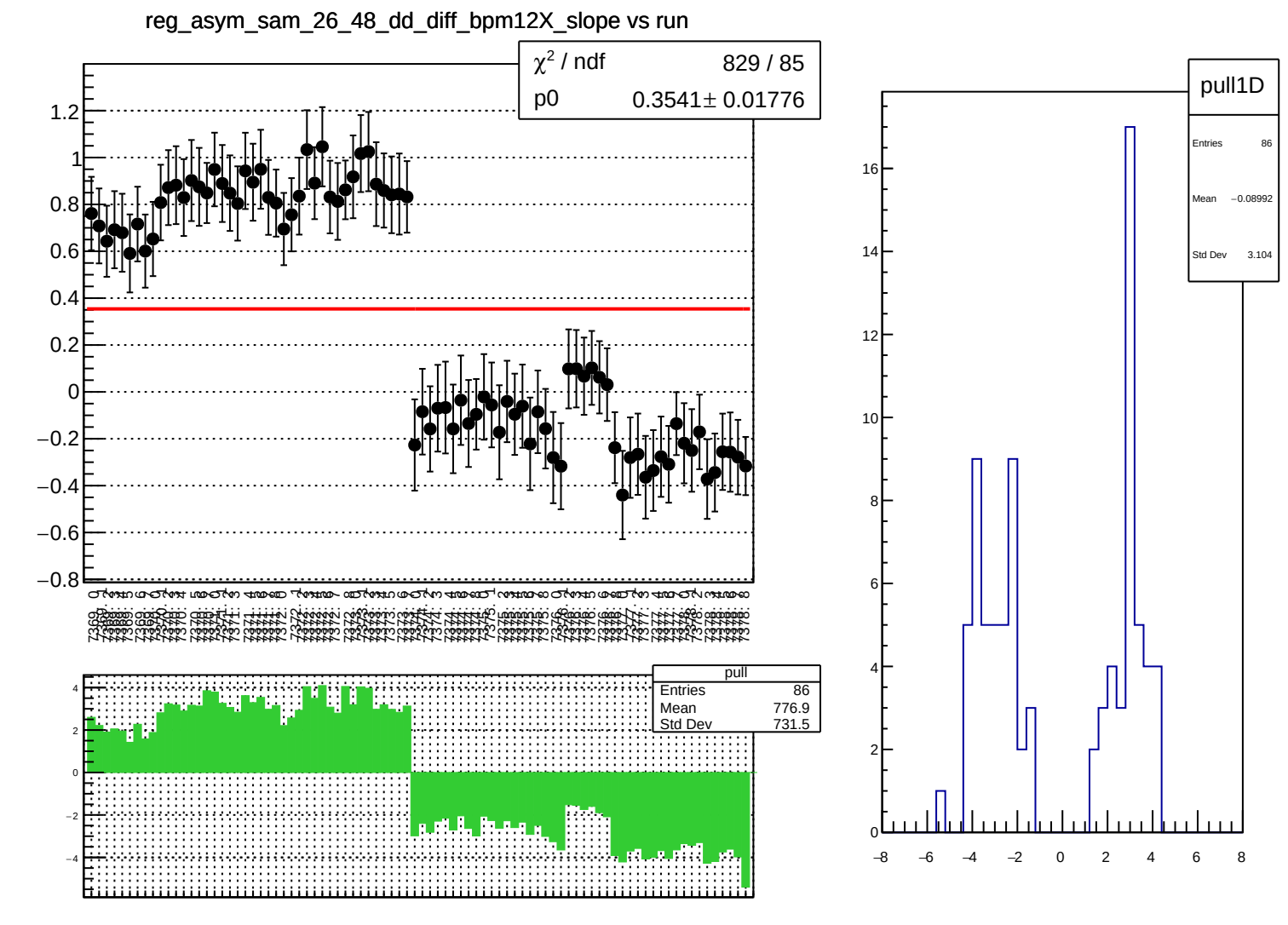

pull1D
Entries 86
Mean −0.02941
Std Dev 2.273

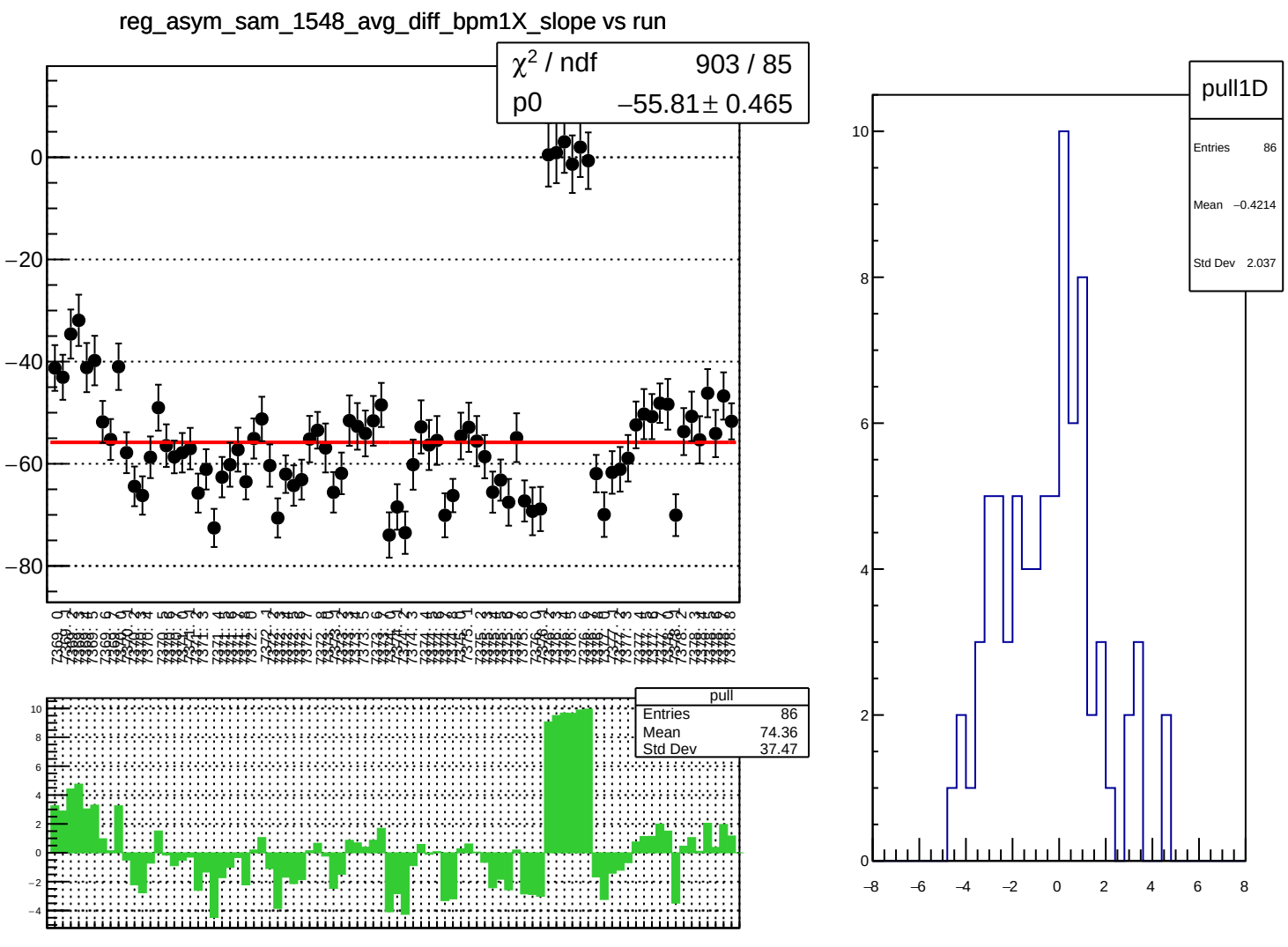

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 776.7 / 85
p0 −10.52 ± 0.3412
pull
Entries 86
Mean 93.6
Std Dev 24.47

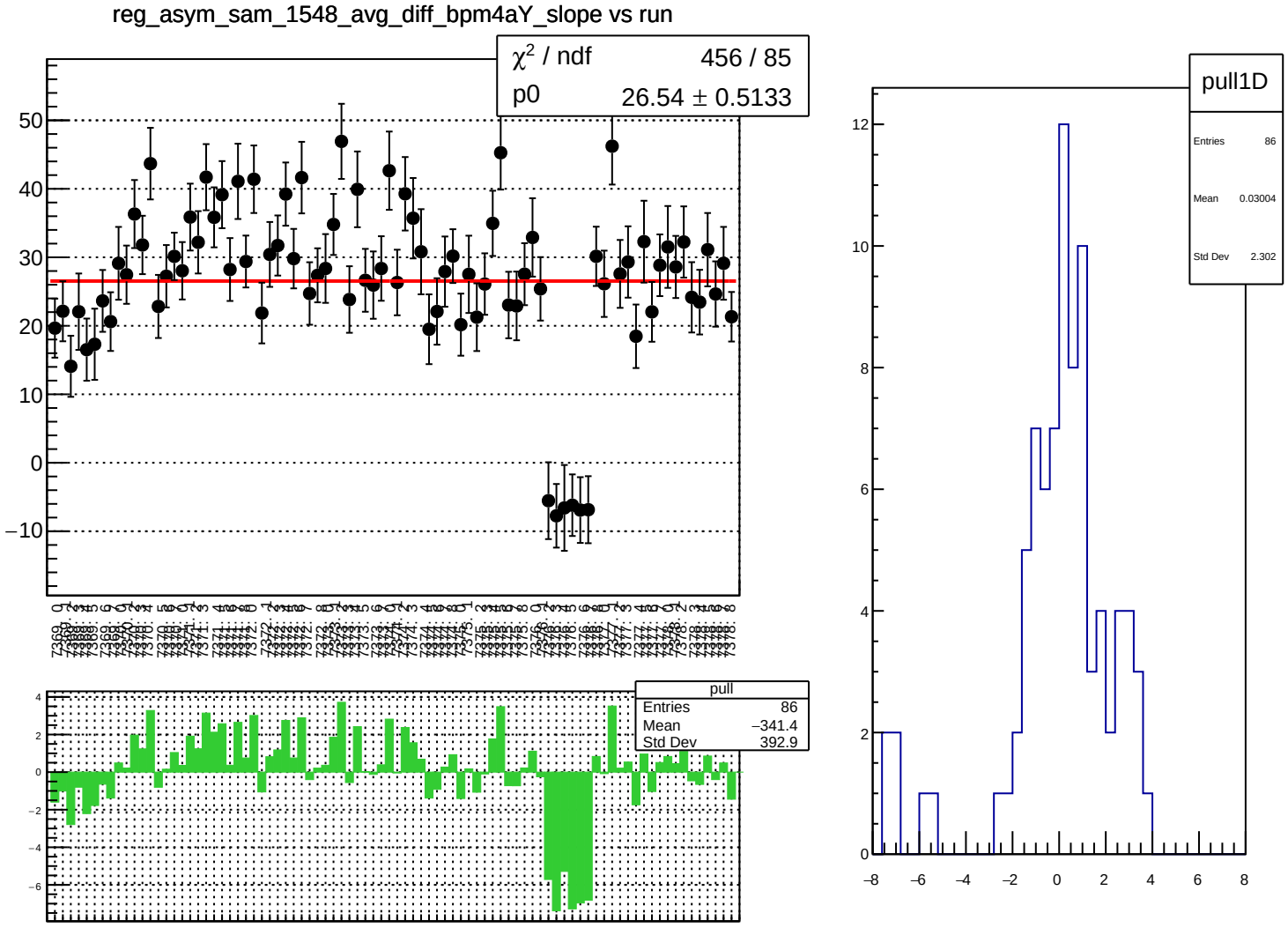

pull1D
Entries 86
Mean −0.38
Std Dev 1.872

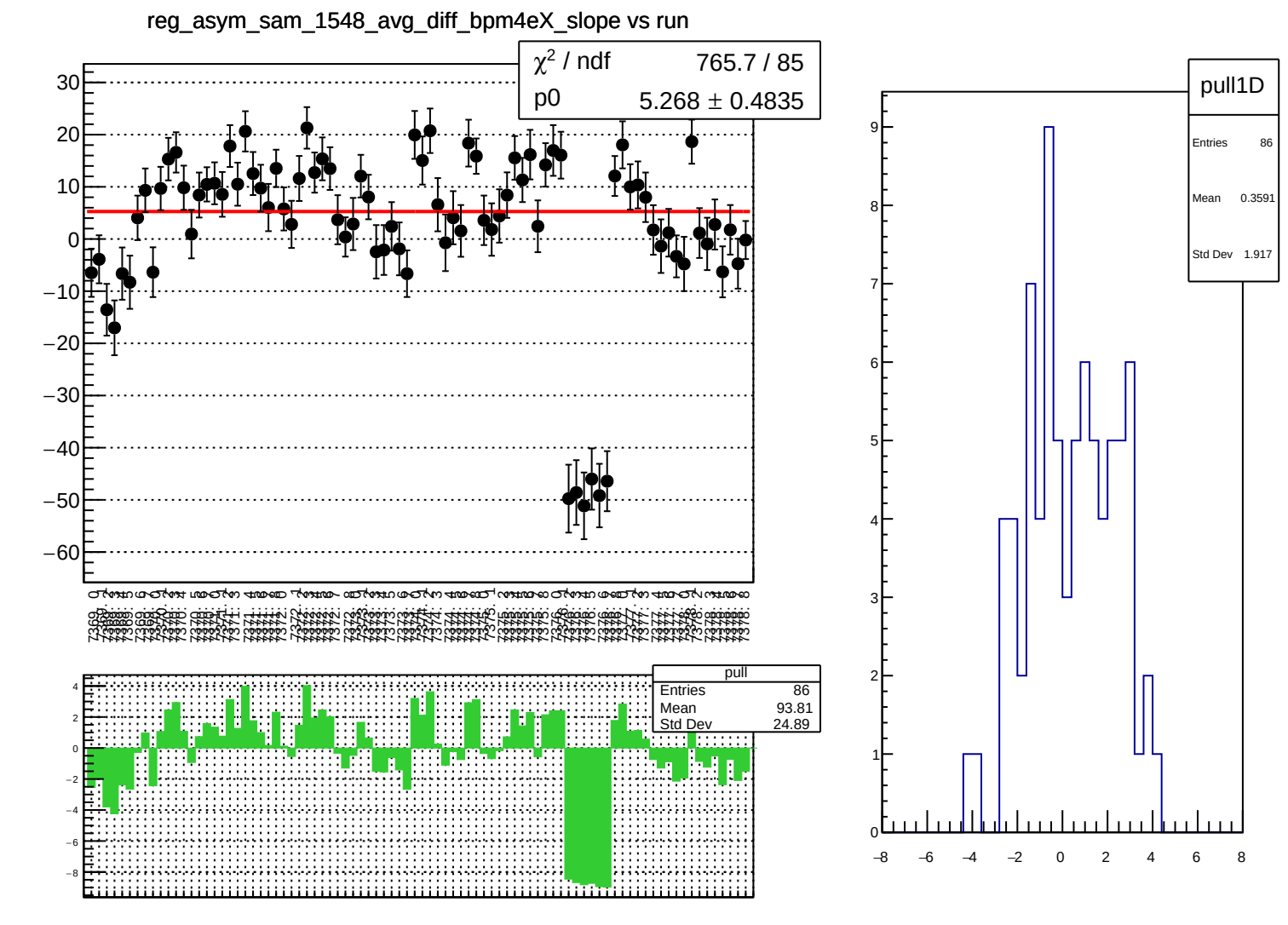

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 338.3 / 85
p0 −48.75 ± 0.3873
pull
Entries 86
Mean 1382
Std Dev 1339

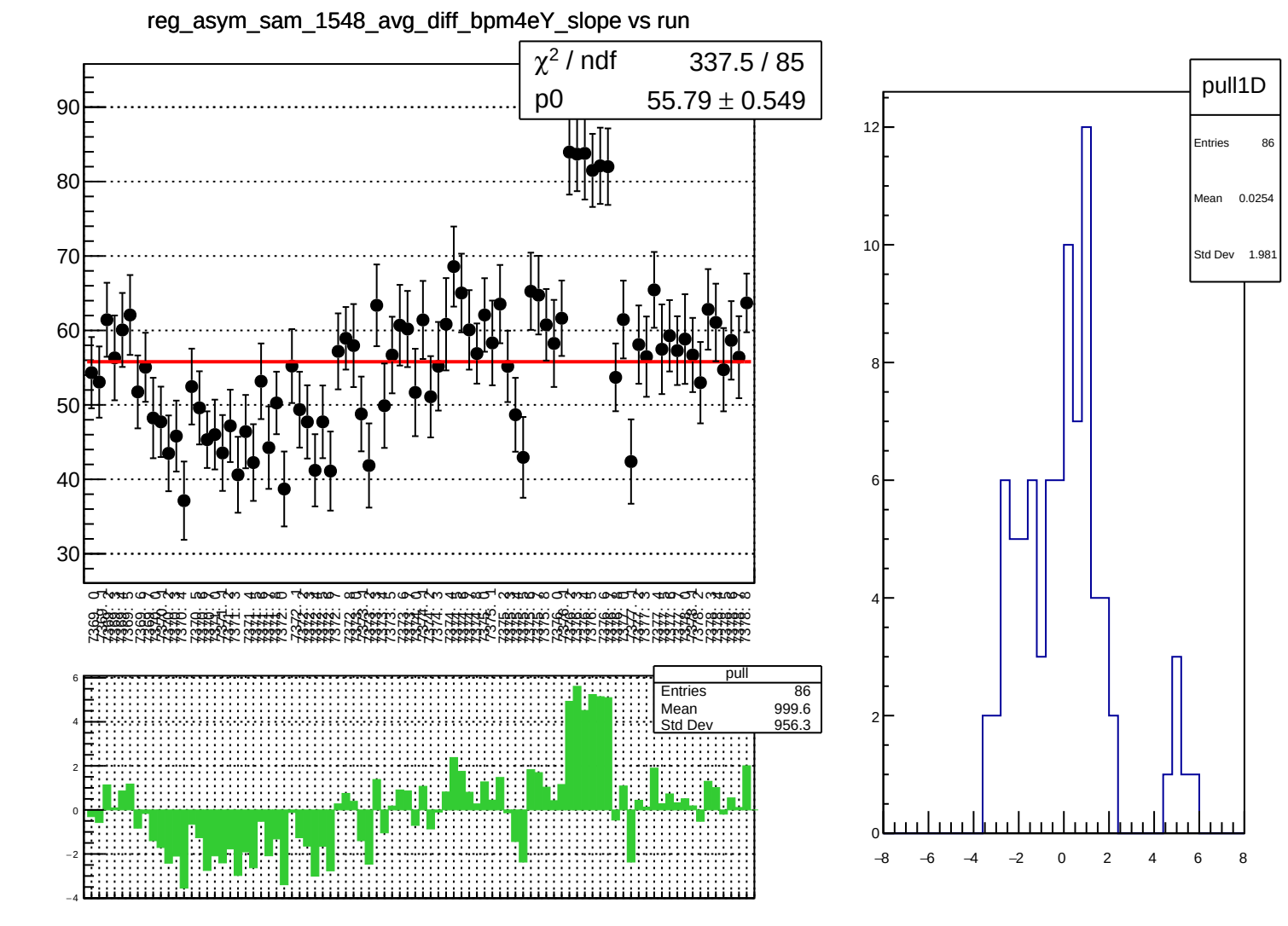

pull1D
Entries 86
Mean −0.01931
Std Dev 1.983

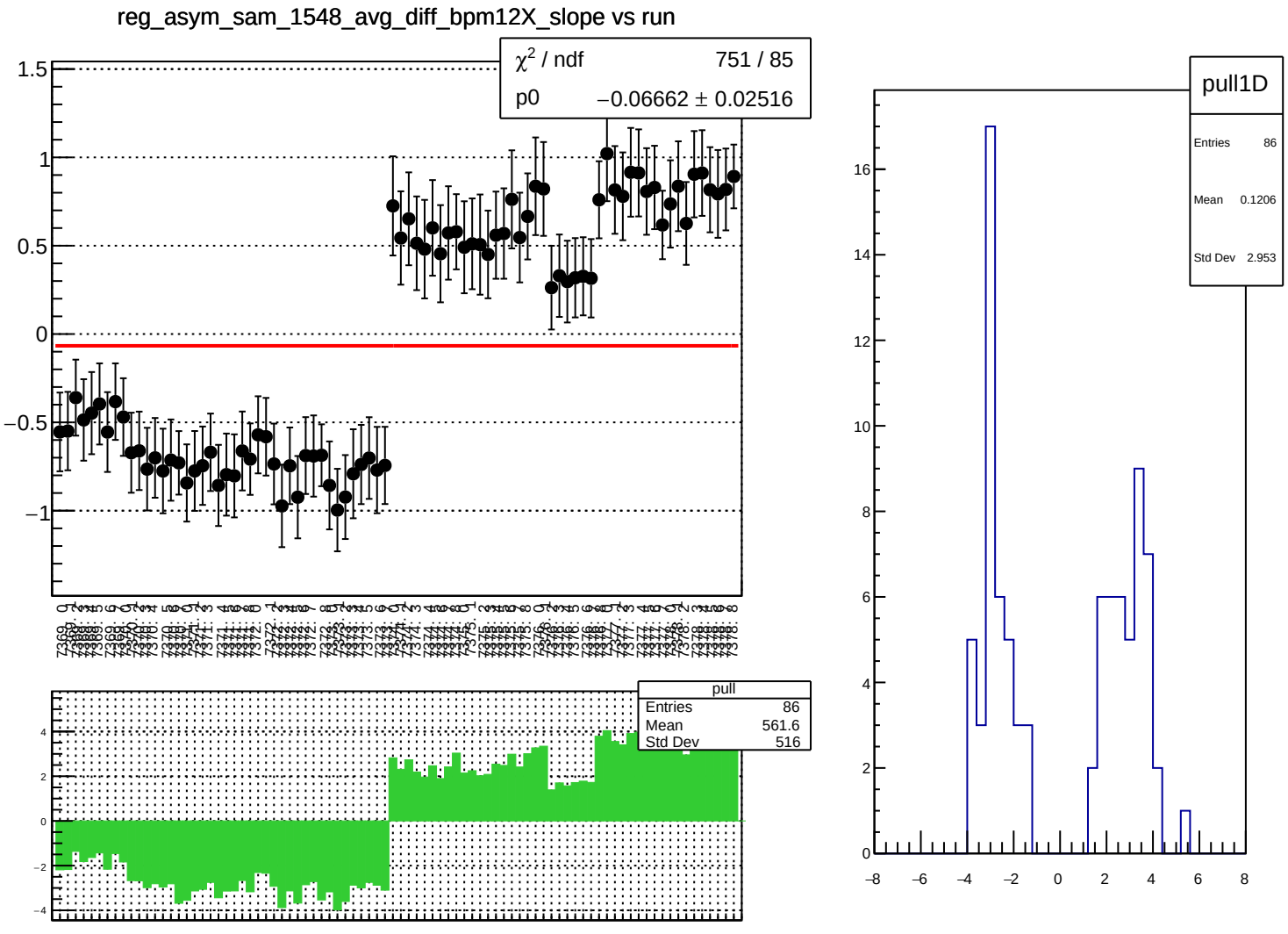

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 829 / 85
p0 0.3541± 0.01776
pull
Entries 86
Mean 776.9
Std Dev 731.5
pull1D
Entries 86
Mean −0.08992
Std Dev 3.104

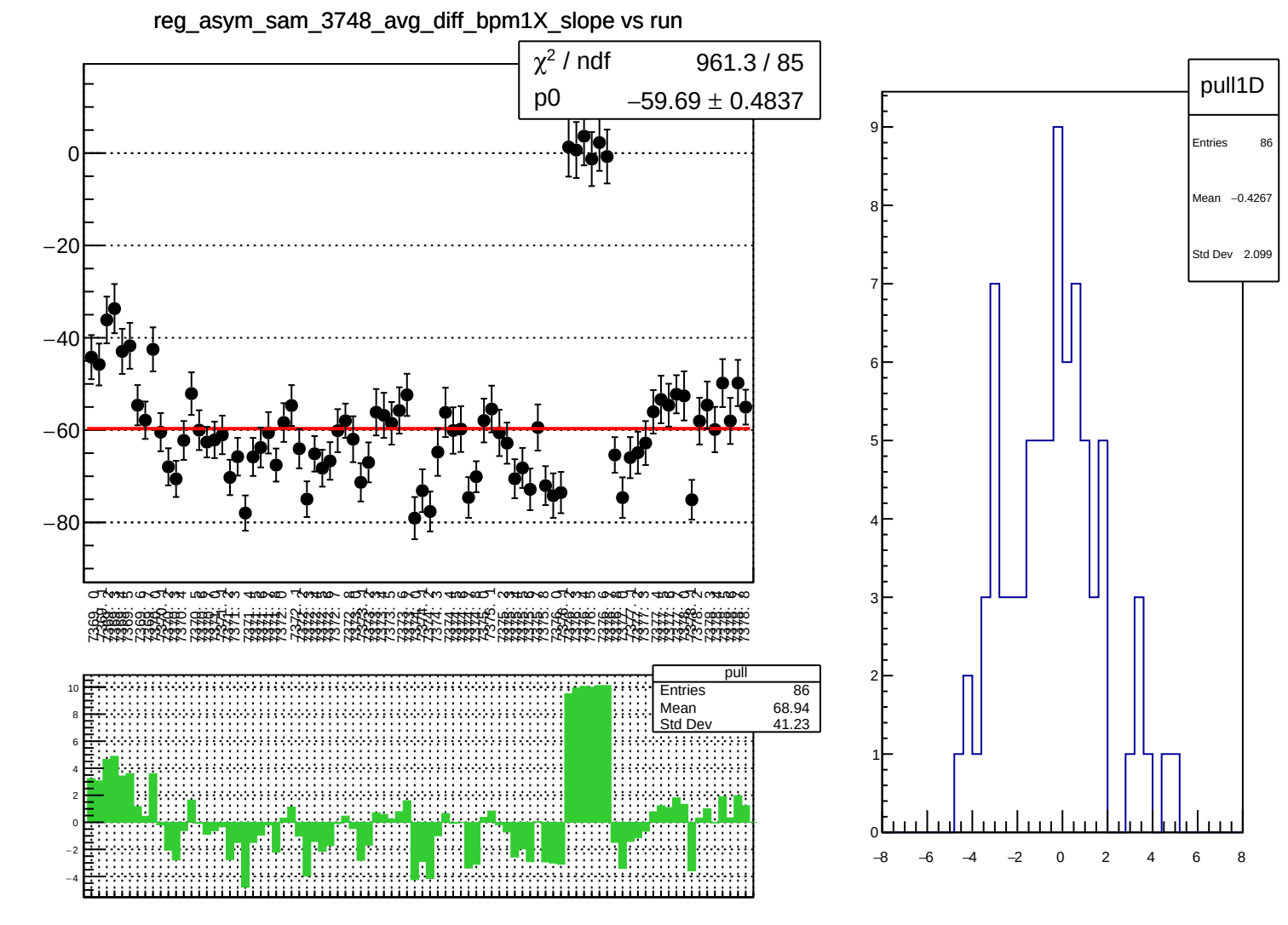

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 903 / 85
p0 −55.81 ± 0.465
pull
Entries 86
Mean 74.36
Std Dev 37.47
pull1D
Entries 86
Mean −0.4214
Std Dev 2.037

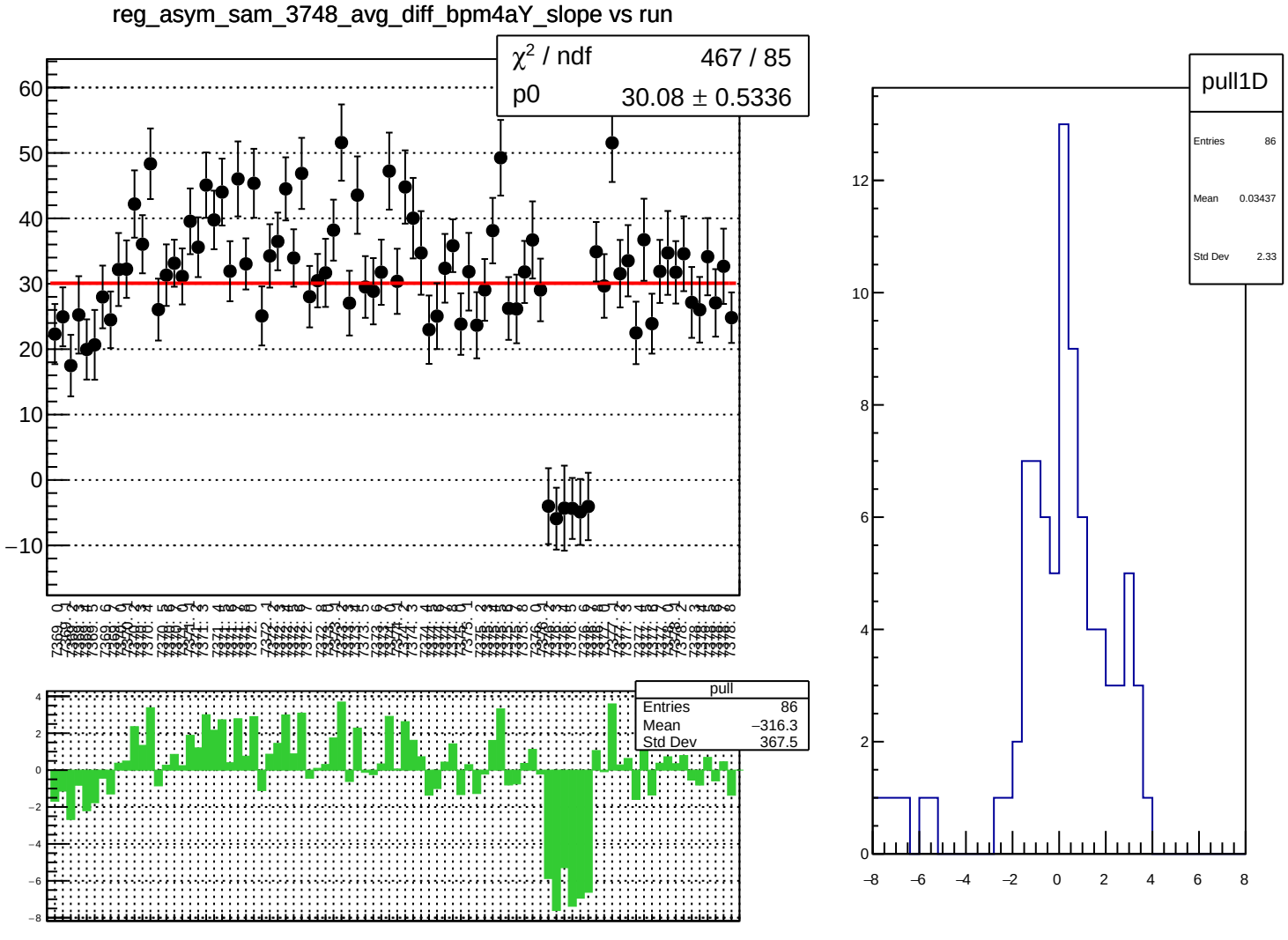

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 456 / 85
p0 26.54 ± 0.5133
pull
Entries 86
Mean −341.4
Std Dev 392.9
pull1D
Entries 86
Mean 0.03004
Std Dev 2.302

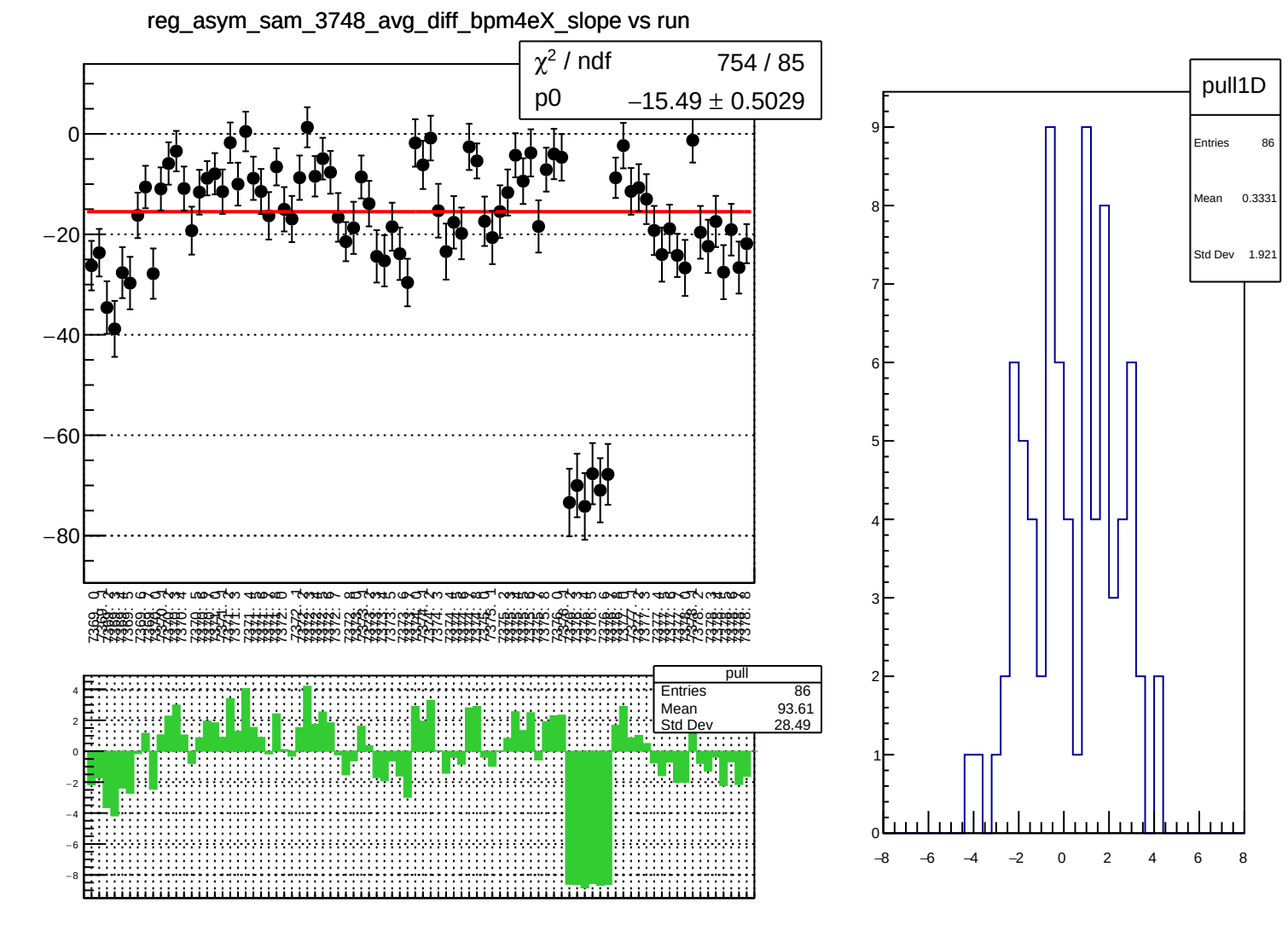

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 765.7 / 85
p0 5.268 ± 0.4835
pull
Entries 86
Mean 93.81
Std Dev 24.89
pull1D
Entries 86
Mean 0.3591
Std Dev 1.917

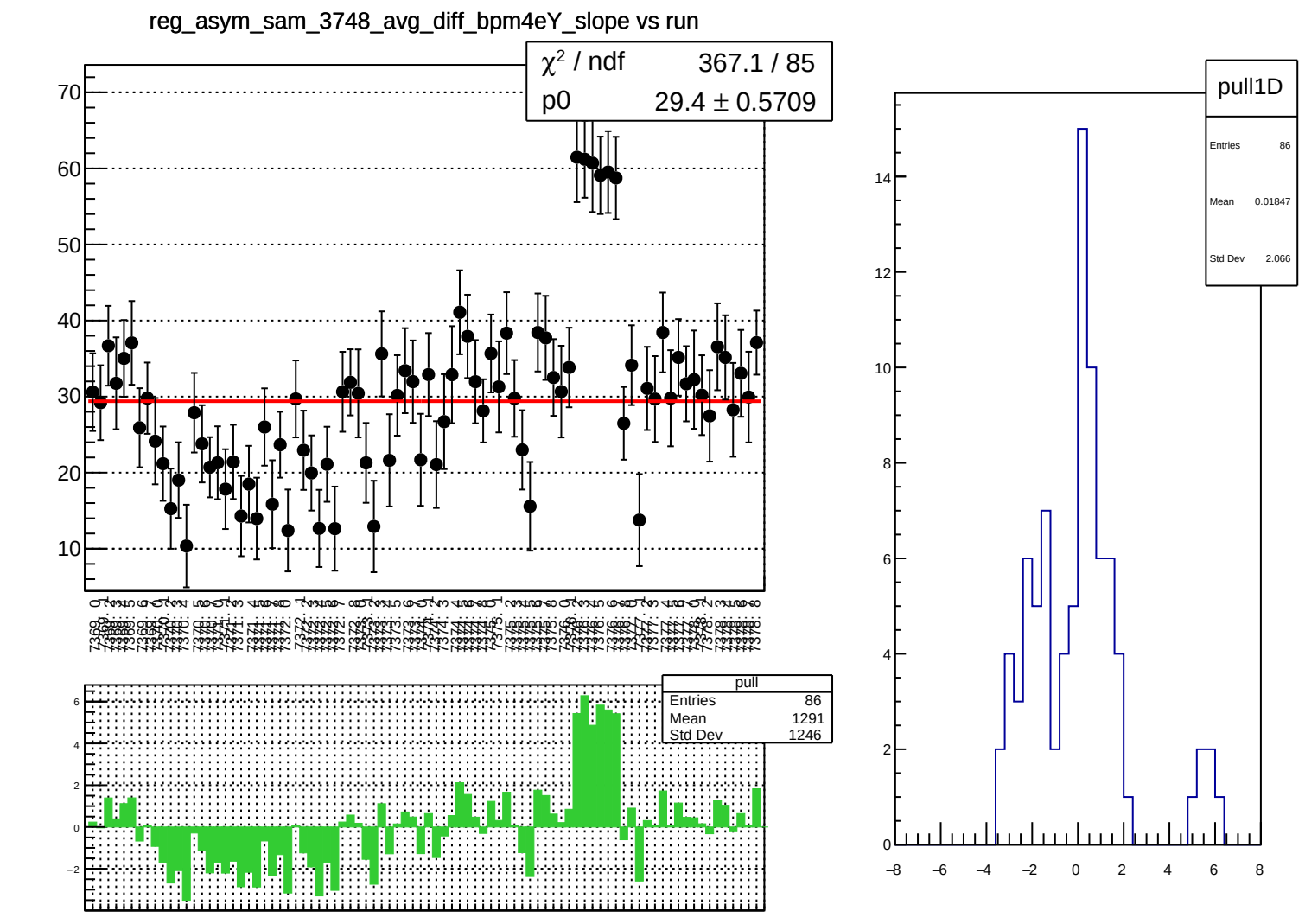

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 337.5 / 85
p0 55.79 ± 0.549
pull
Entries 86
Mean 999.6
Std Dev 956.3
pull1D
Entries 86
Mean 0.0254
Std Dev 1.981

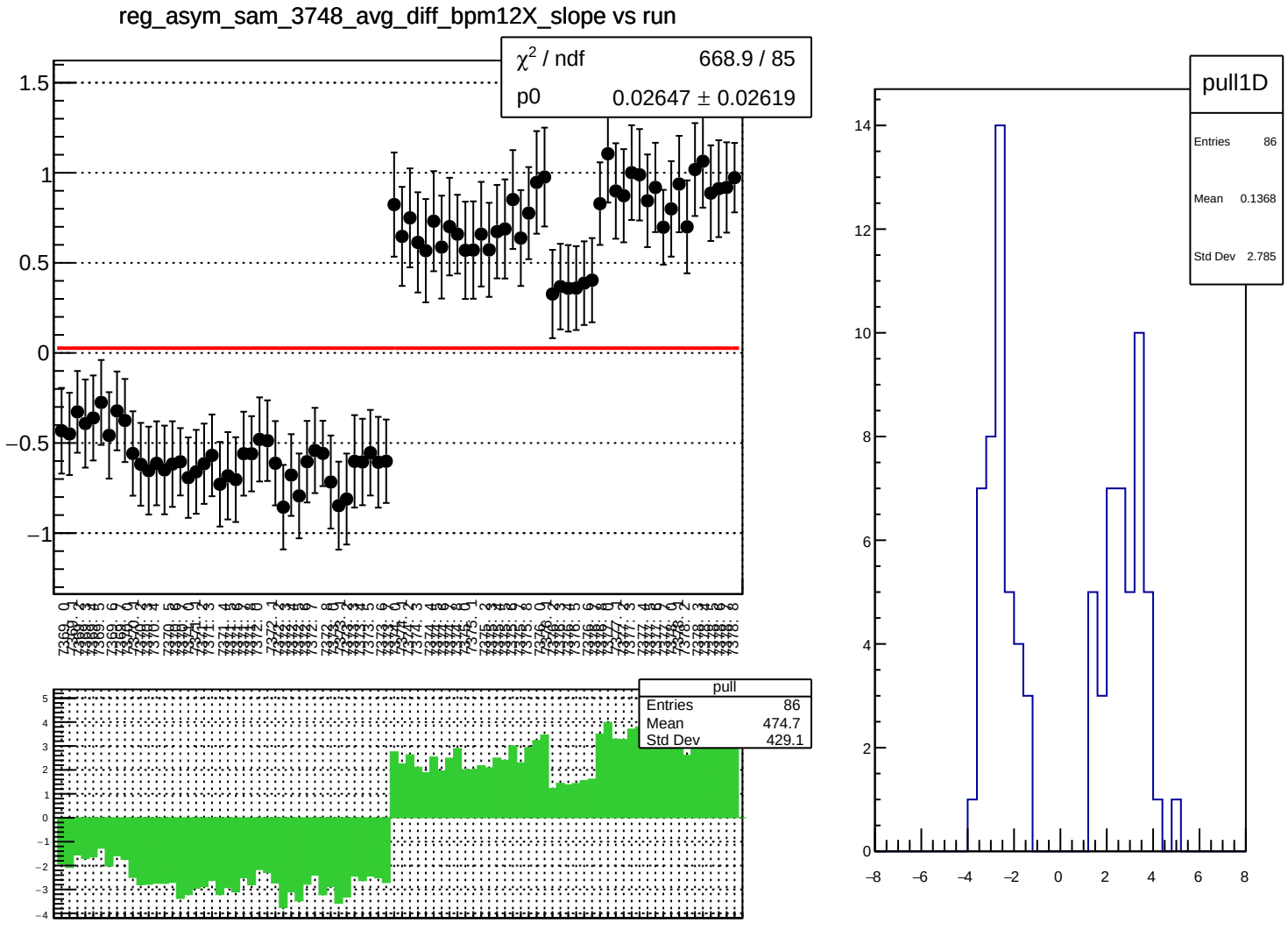

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 751 / 85
p0 −0.06662 ± 0.02516
pull
Entries 86
Mean 561.6
Std Dev 516
pull1D
Entries 86
Mean 0.1206
Std Dev 2.953

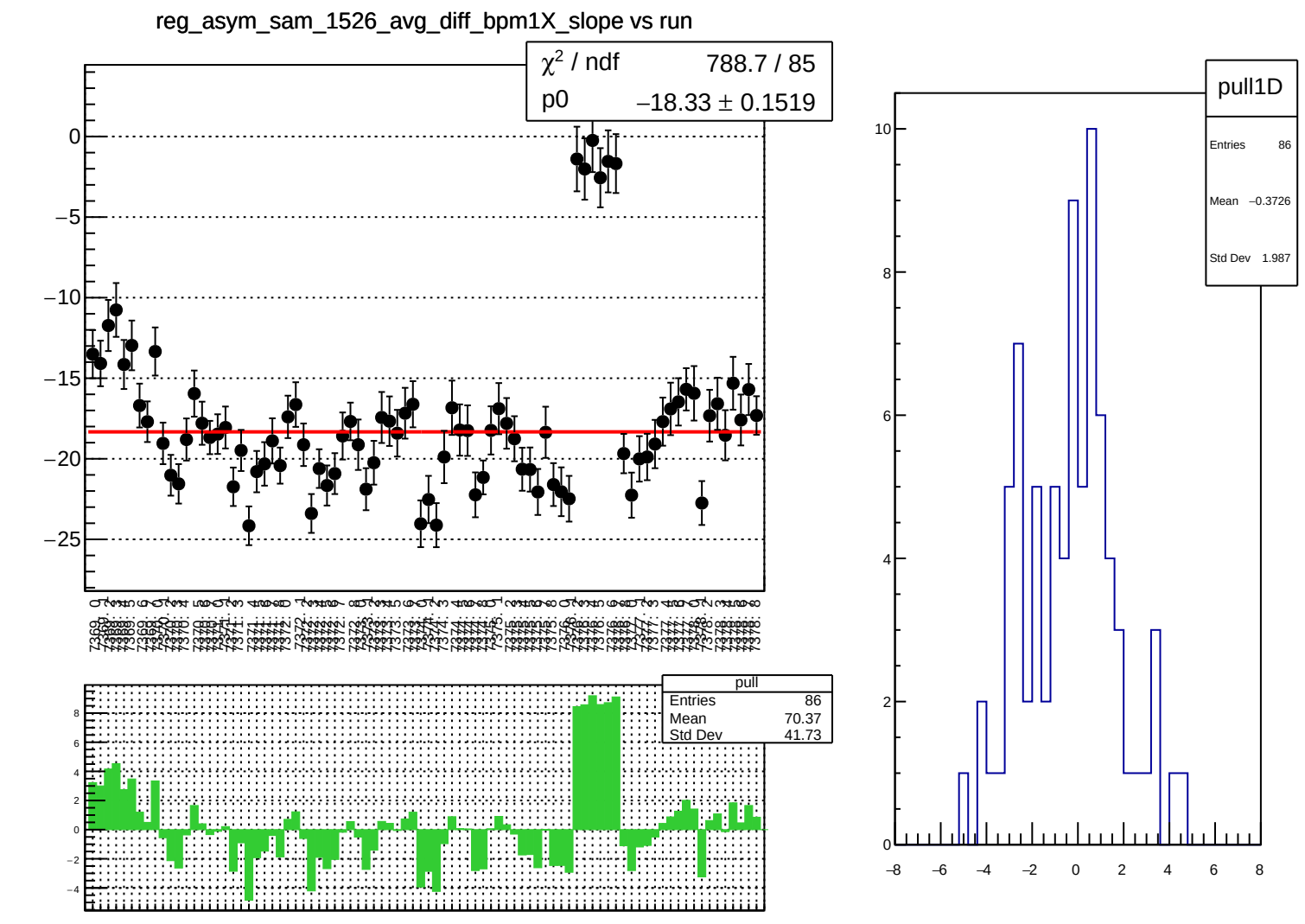

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 961.3 / 85
p0 −59.69 ± 0.4837
pull
Entries 86
Mean 68.94
Std Dev 41.23
pull1D
Entries 86
Mean −0.4267
Std Dev 2.099

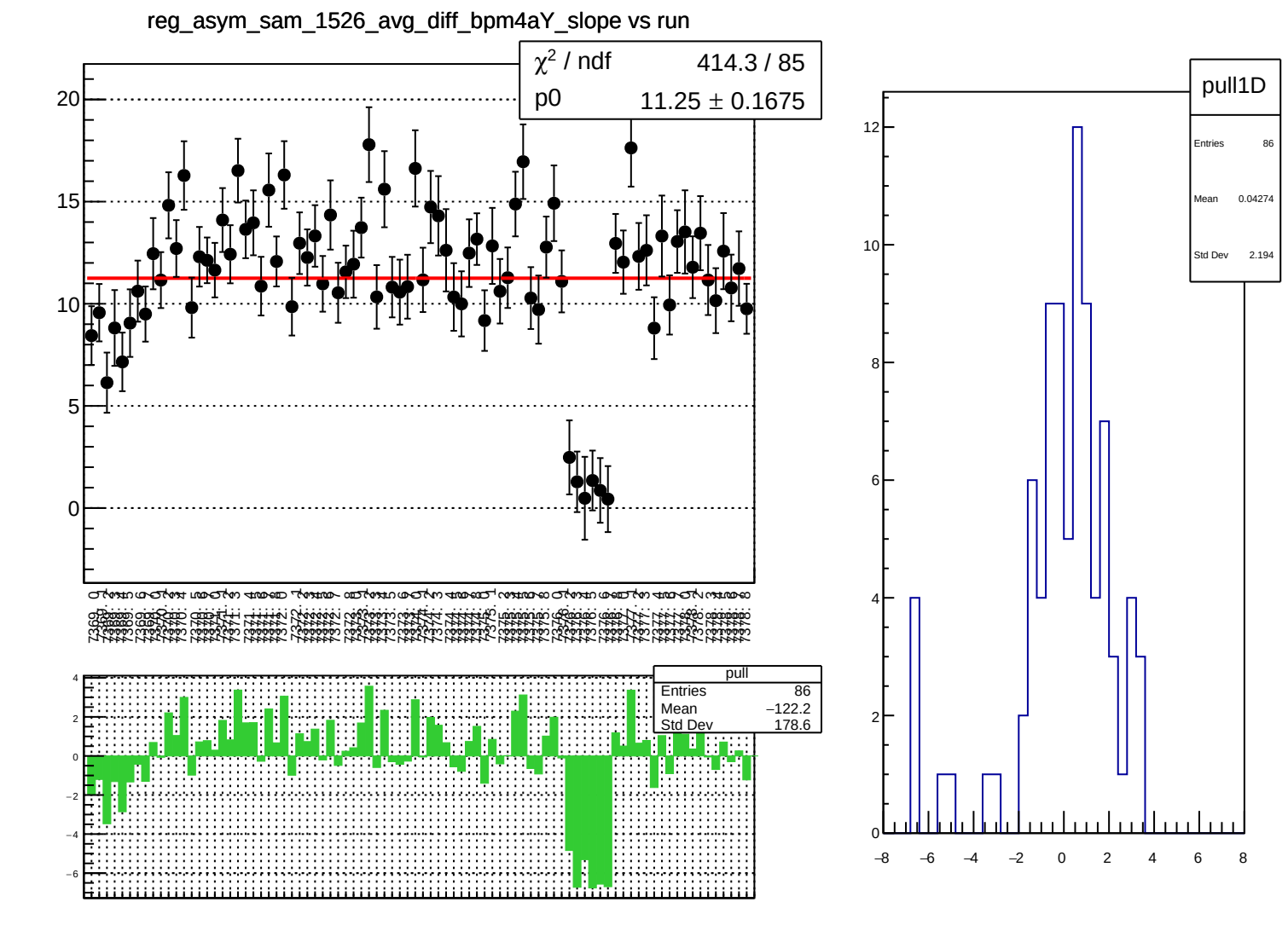

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 467 / 85
p0 30.08 ± 0.5336
pull
Entries 86
Mean −316.3
Std Dev 367.5
pull1D
Entries 86
Mean 0.03437
Std Dev 2.33

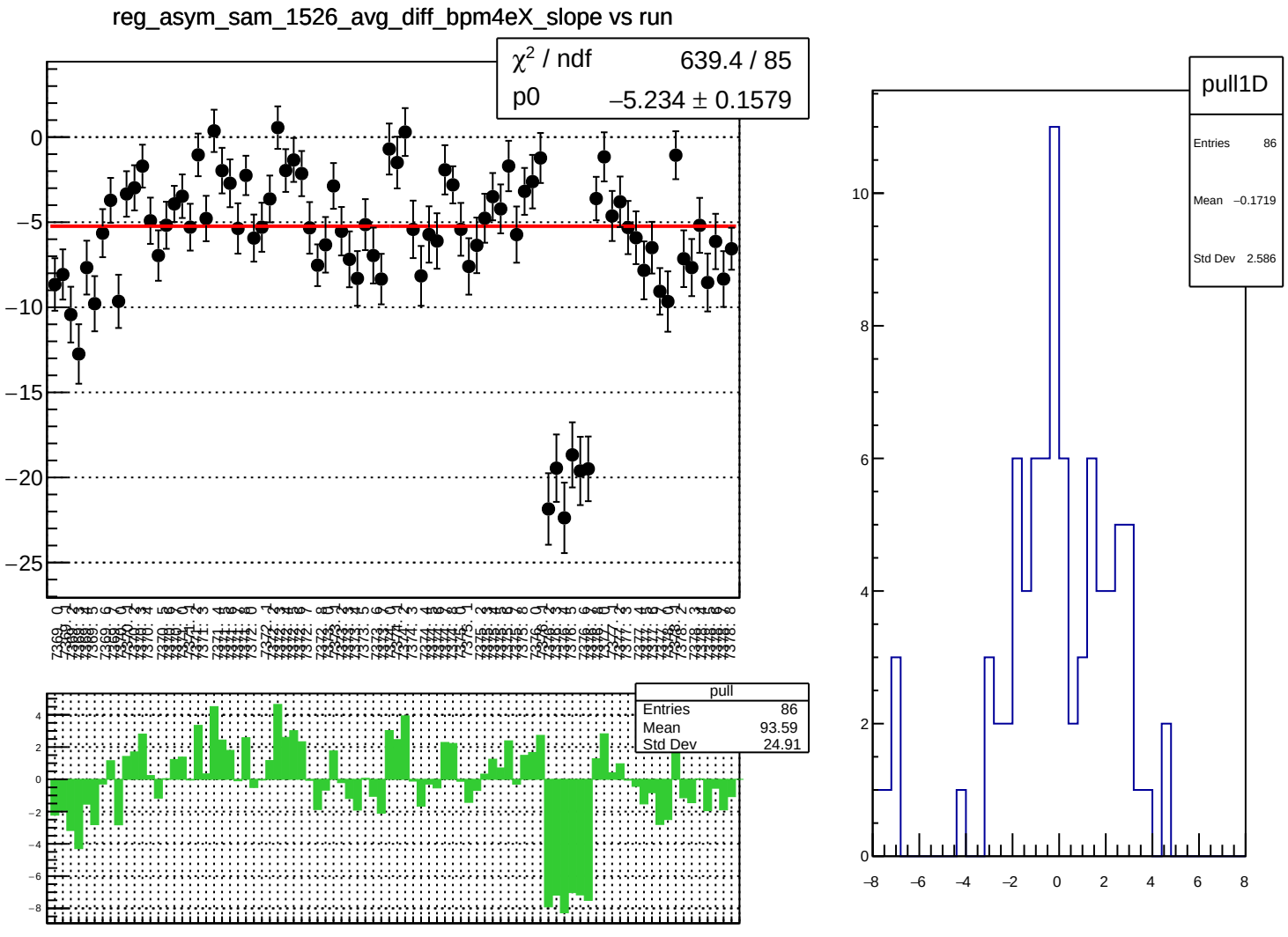

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 754 / 85
p0 −15.49 ± 0.5029
pull
Entries 86
Mean 93.61
Std Dev 28.49
pull1D
Entries 86
Mean 0.3331
Std Dev 1.921

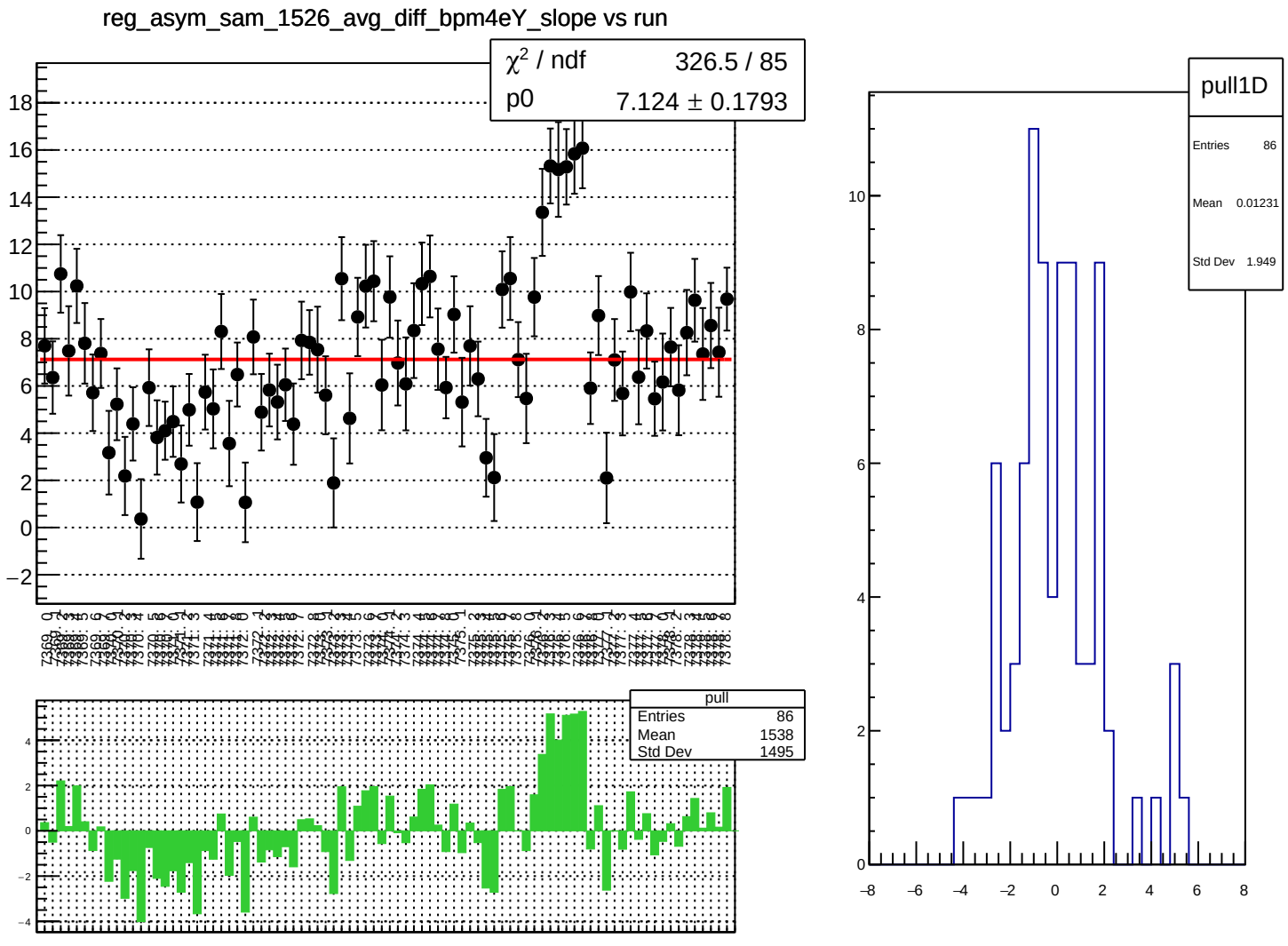

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 367.1 / 85
p0 29.4 ± 0.5709
pull
Entries 86
Mean 1291
Std Dev 1246
pull1D
Entries 86
Mean 0.01847
Std Dev 2.066

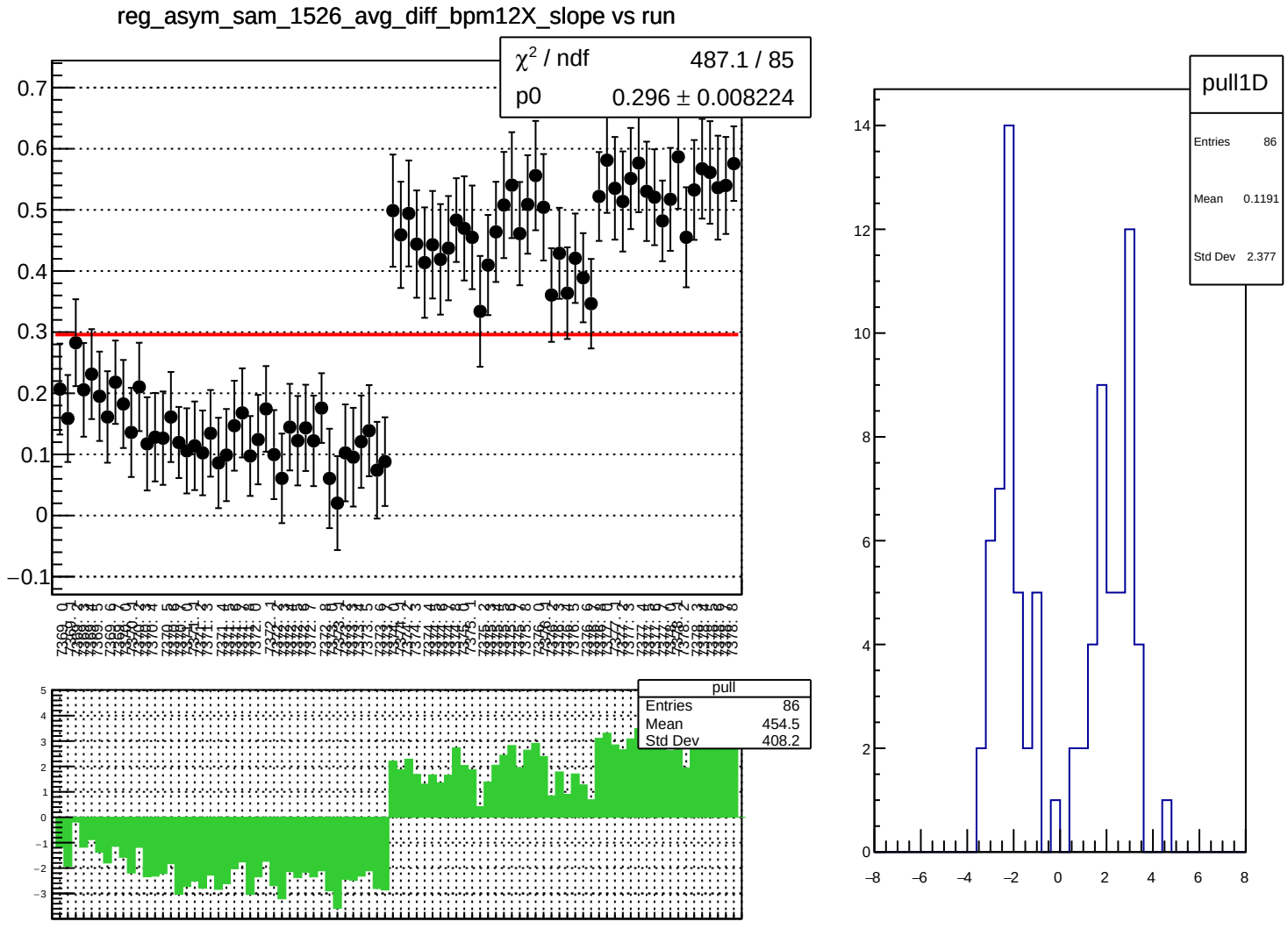

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 668.9 / 85
p0 0.02647 ± 0.02619
pull
Entries 86
Mean 474.7
Std Dev 429.1
pull1D
Entries 86
Mean 0.1368
Std Dev 2.785

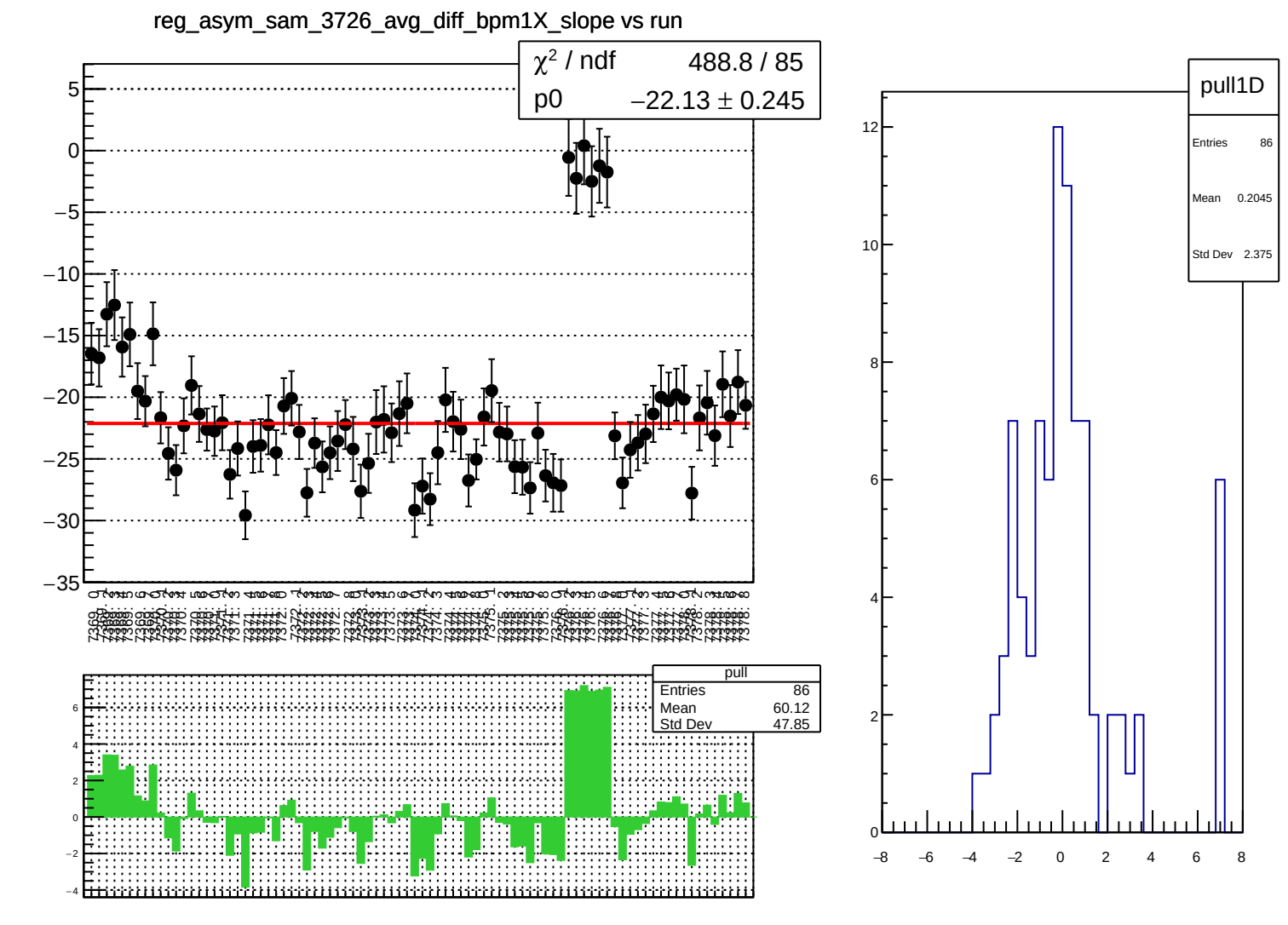

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 788.7 / 85
p0 −18.33 ± 0.1519
pull
Entries 86
Mean 70.37
Std Dev 41.73
pull1D
Entries 86
Mean −0.3726
Std Dev 1.987

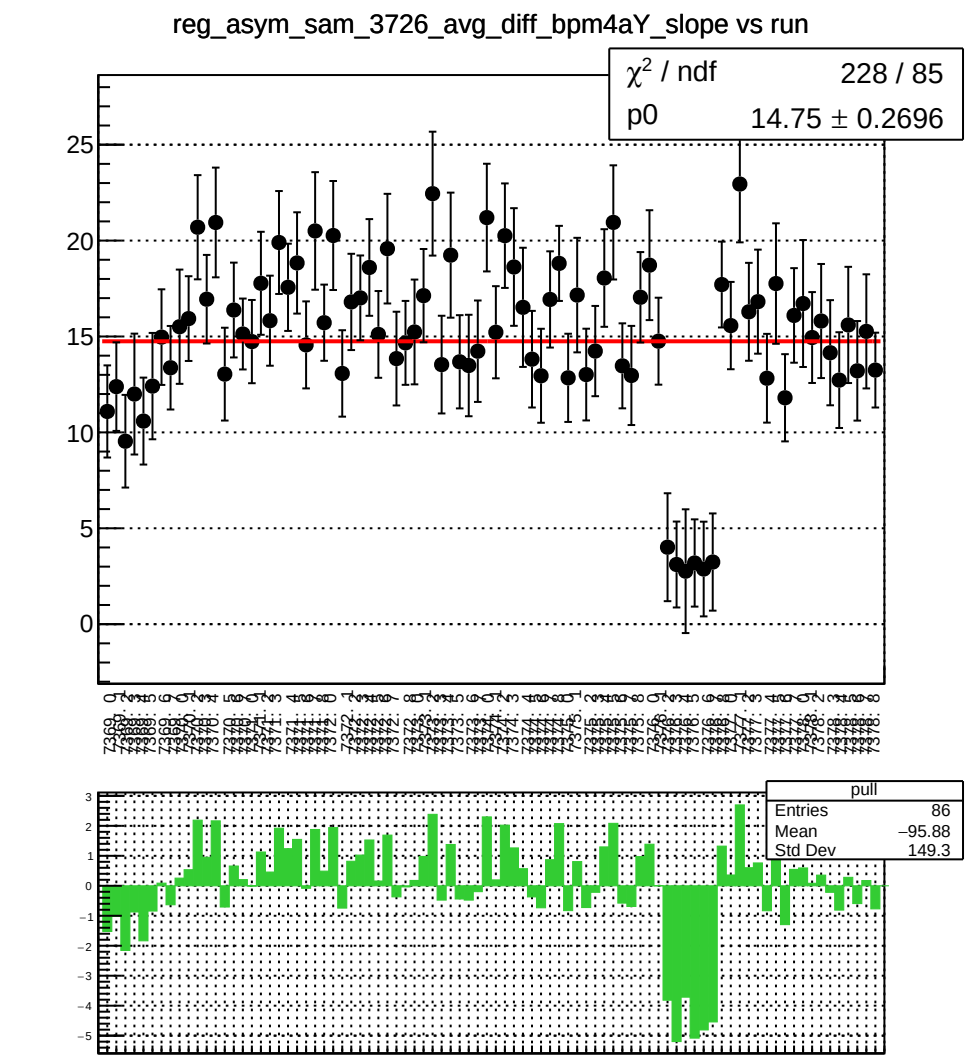

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 414.3 / 85
p0 11.25 ± 0.1675
pull
Entries 86
Mean −122.2
Std Dev 178.6
pull1D
Entries 86
Mean 0.04274
Std Dev 2.194

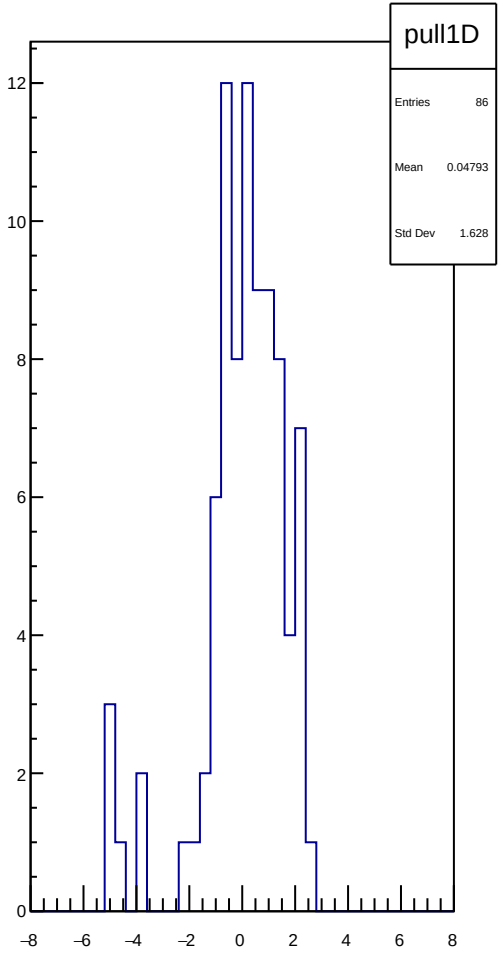

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 639.4 / 85
p0 −5.234 ± 0.1579
pull
Entries 86
Mean 93.59
Std Dev 24.91
pull1D
Entries 86
Mean −0.1719
Std Dev 2.586

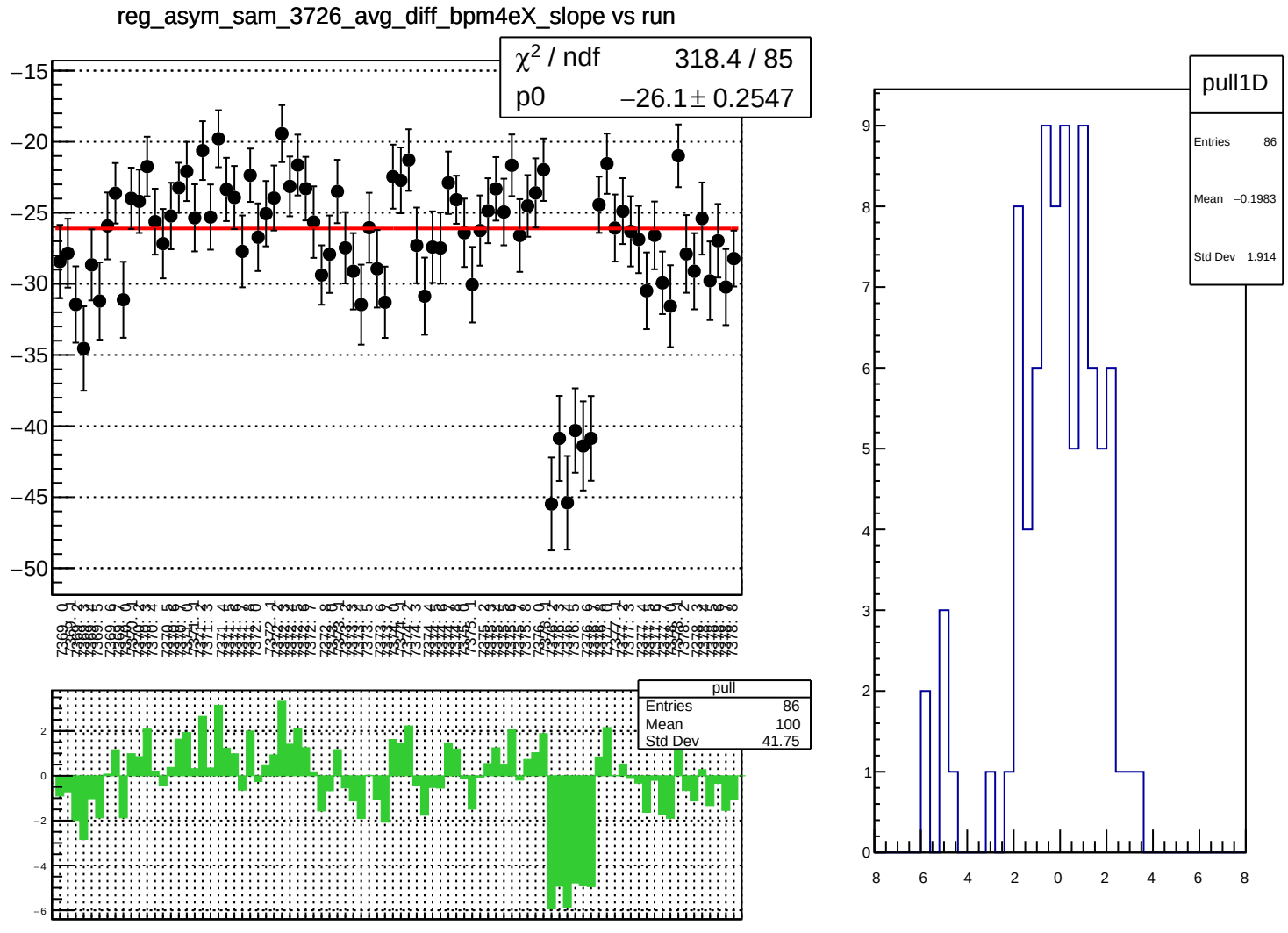

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 326.5 / 85
p0 7.124 ± 0.1793
pull
Entries 86
Mean 1538
Std Dev 1495
pull1D
Entries 86
Mean 0.01231
Std Dev 1.949

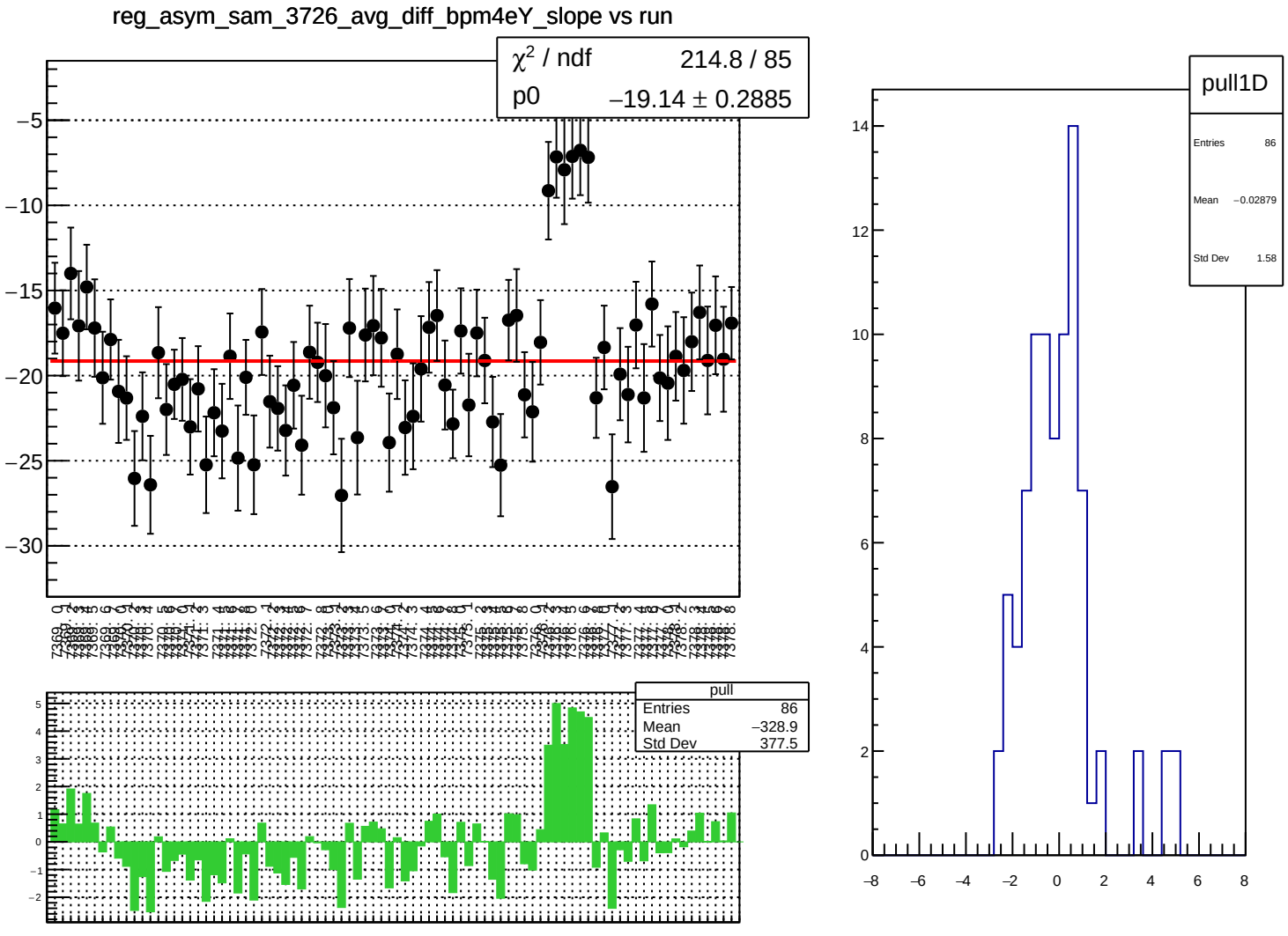

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 487.1 / 85
p0 0.296 ± 0.008224
pull
Entries 86
Mean 454.5
Std Dev 408.2
pull1D
Entries 86
Mean 0.1191
Std Dev 2.377

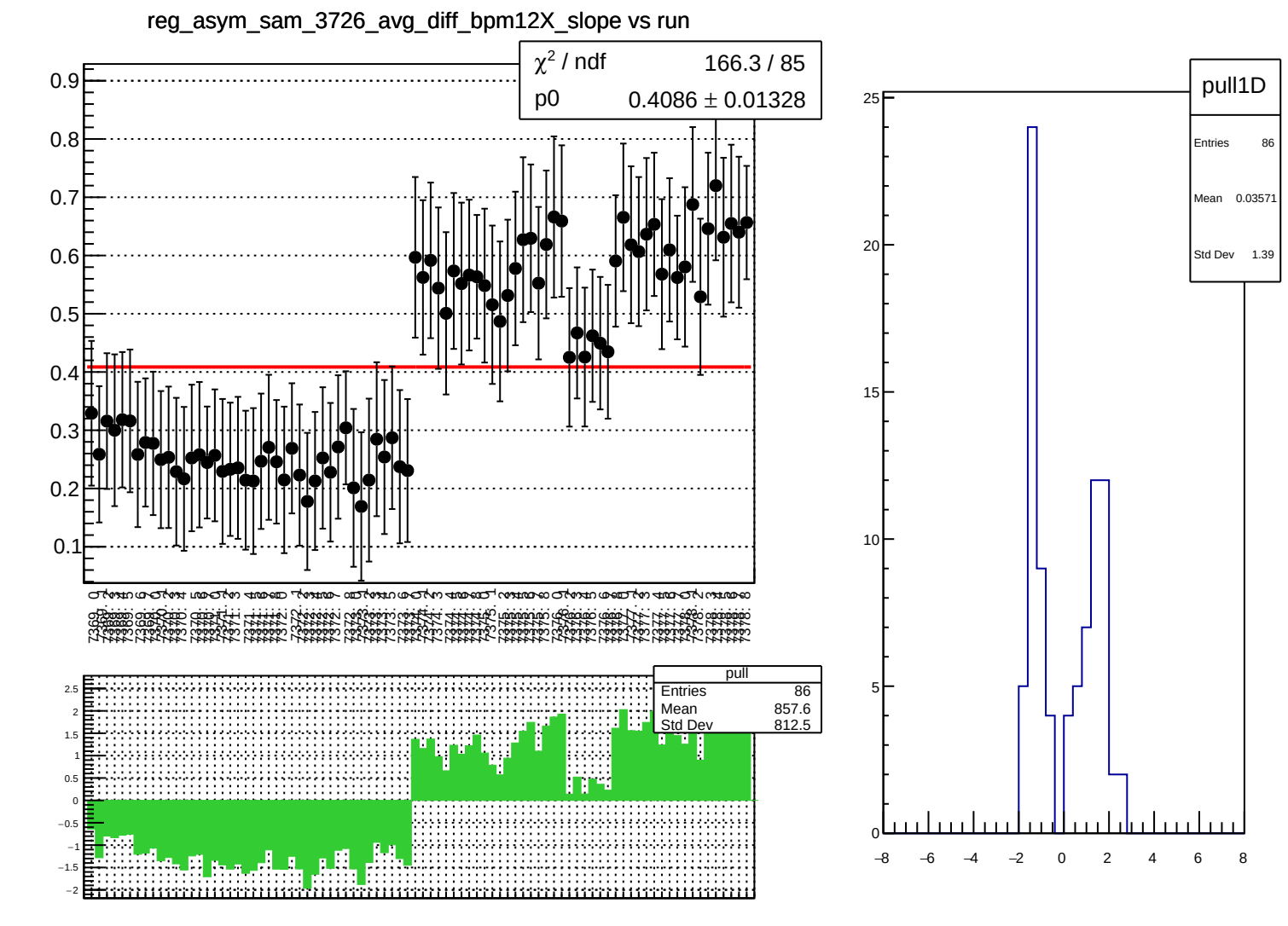

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 488.8 / 85
p0 −22.13 ± 0.245
pull
Entries 86
Mean 60.12
Std Dev 47.85
pull1D
Entries 86
Mean 0.2045
Std Dev 2.375

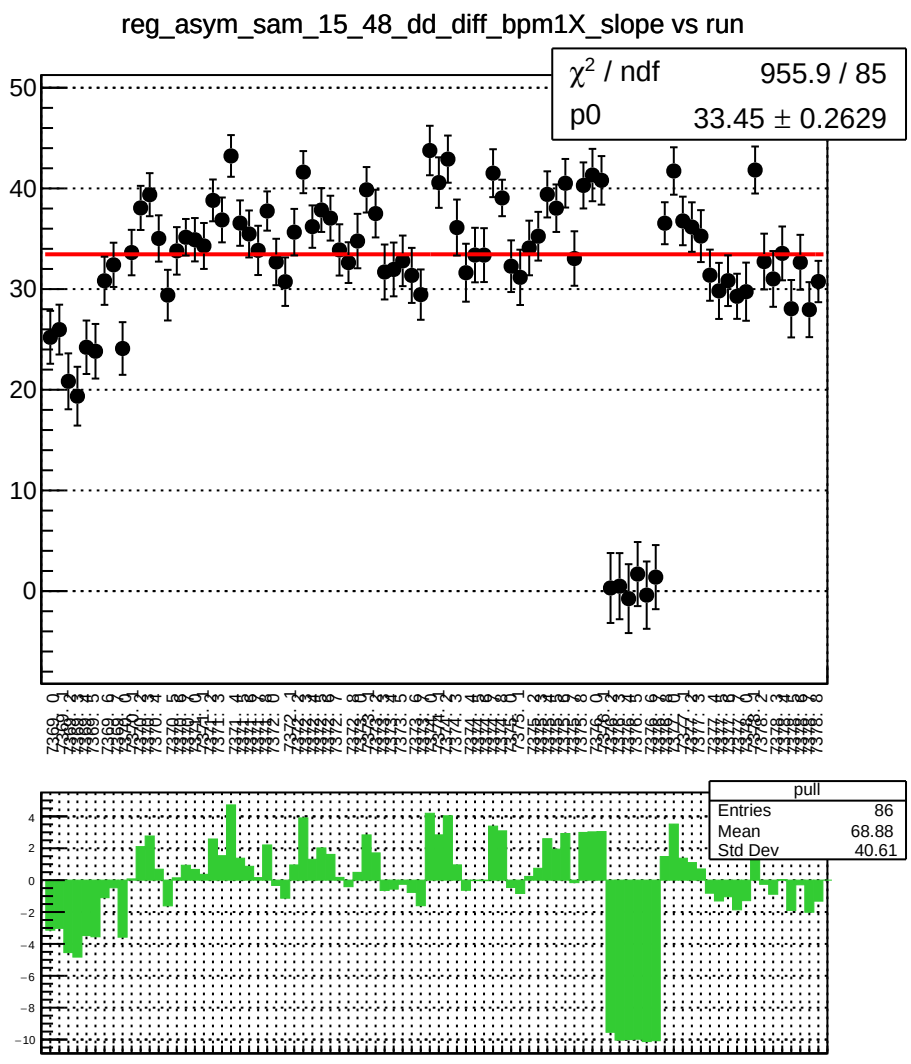

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 228 / 85
p0 14.75 ± 0.2696
pull
Entries 86
Mean −95.88
Std Dev 149.3

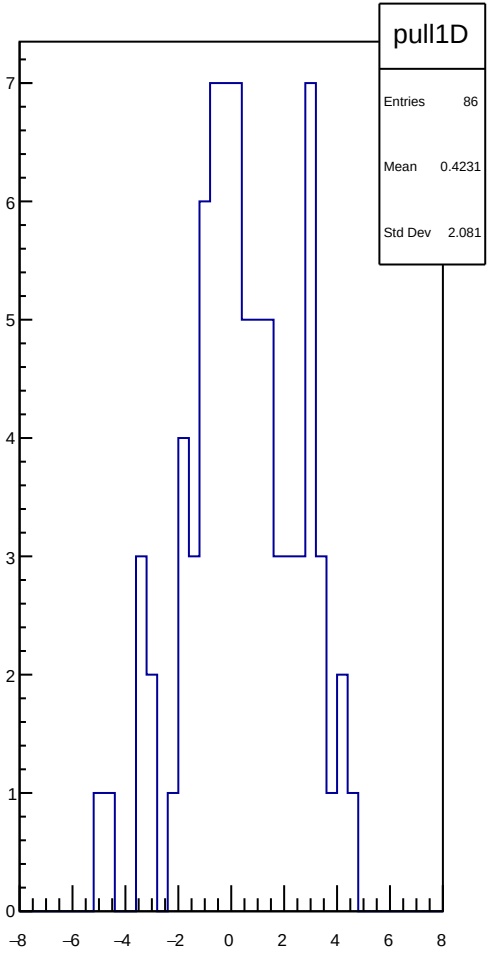

pull1D
Entries 86
Mean 0.04793
Std Dev 1.628

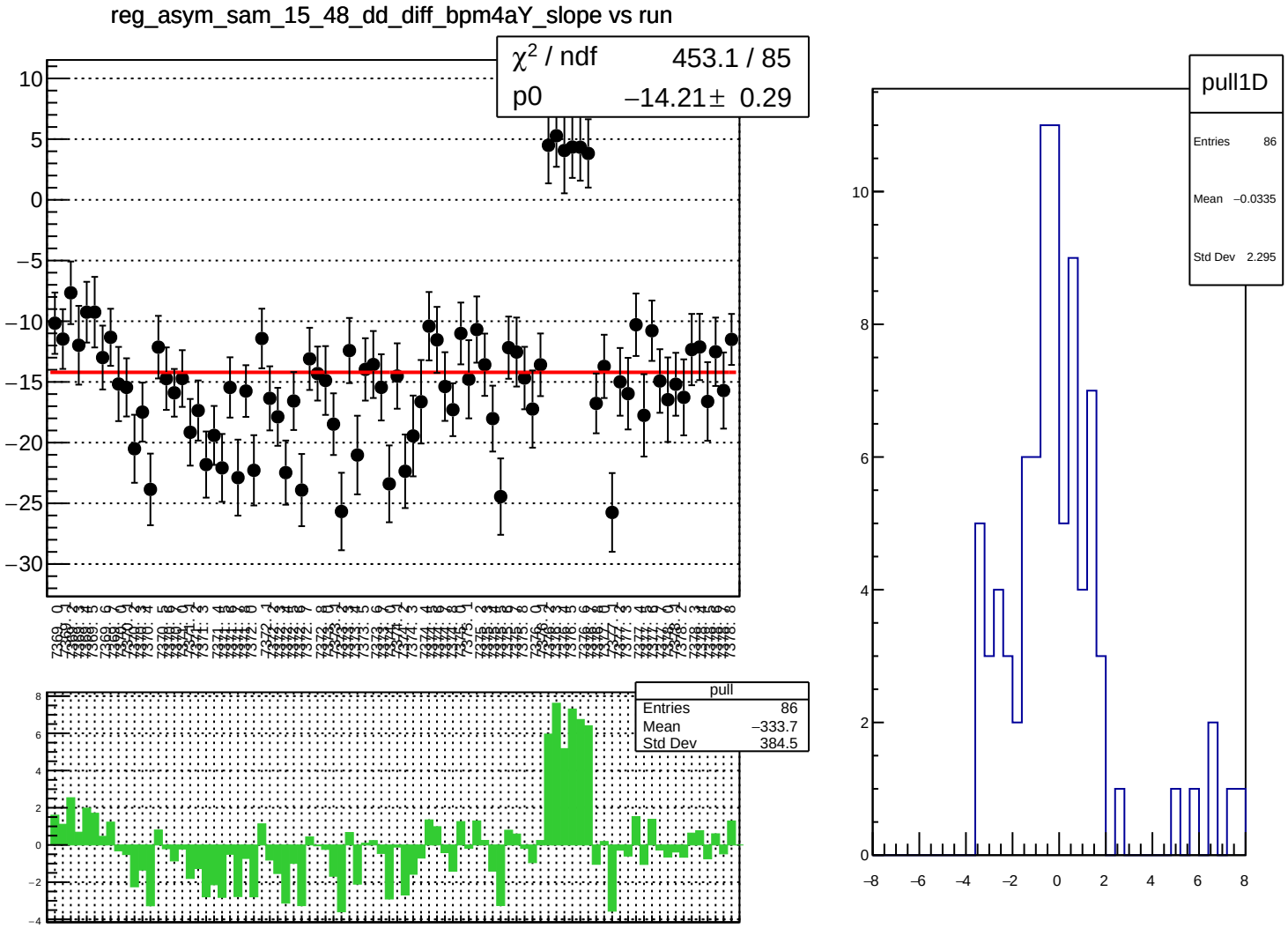

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 318.4 / 85
p0 −26.1 ± 0.2547
pull
Entries 86
Mean 100
Std Dev 41.75
pull1D
Entries 86
Mean −0.1983
Std Dev 1.914

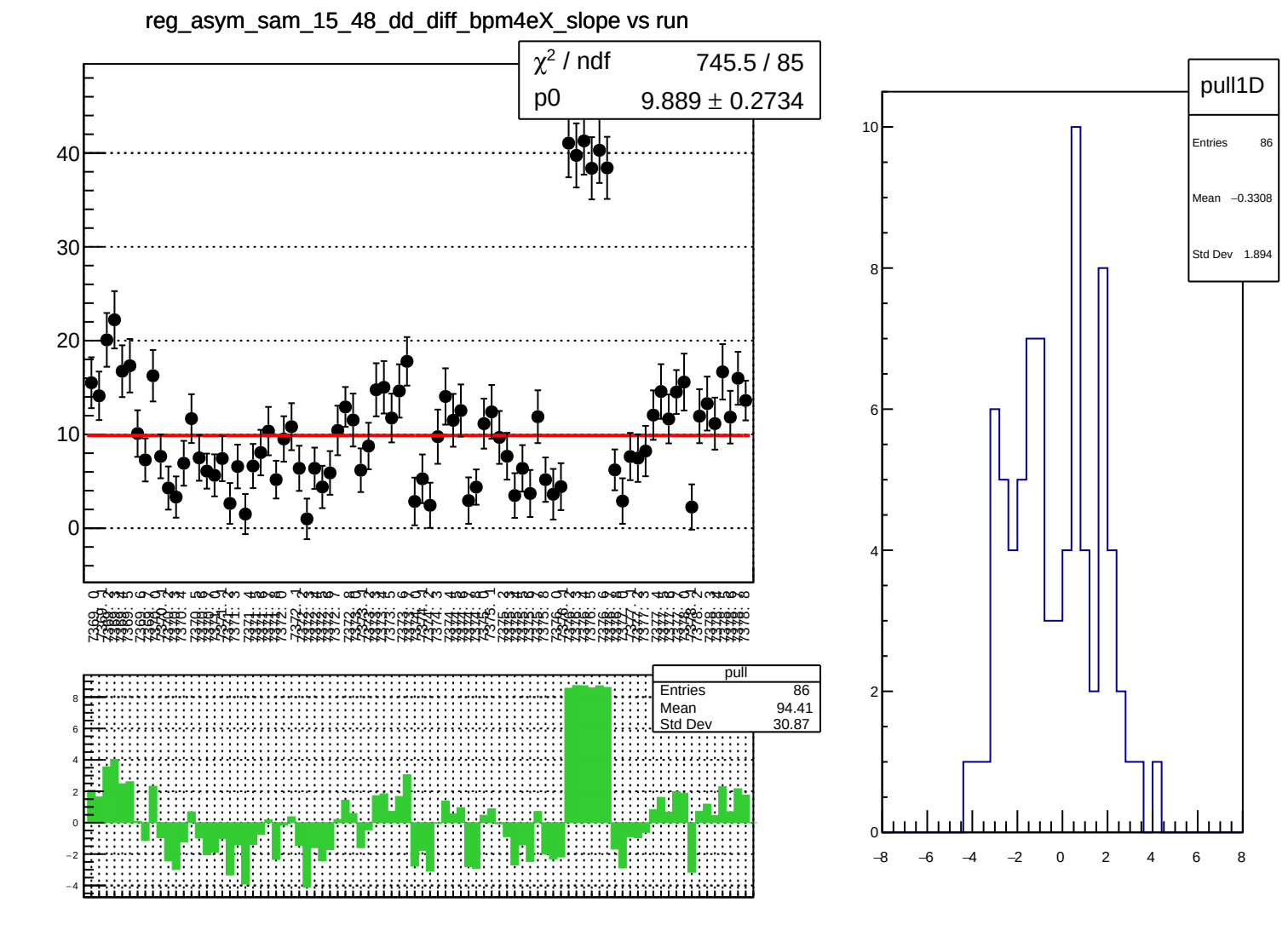

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 214.8 / 85
p0 −19.14 ± 0.2885
pull
Entries 86
Mean −328.9
Std Dev 377.5
pull1D
Entries 86
Mean −0.02879
Std Dev 1.58

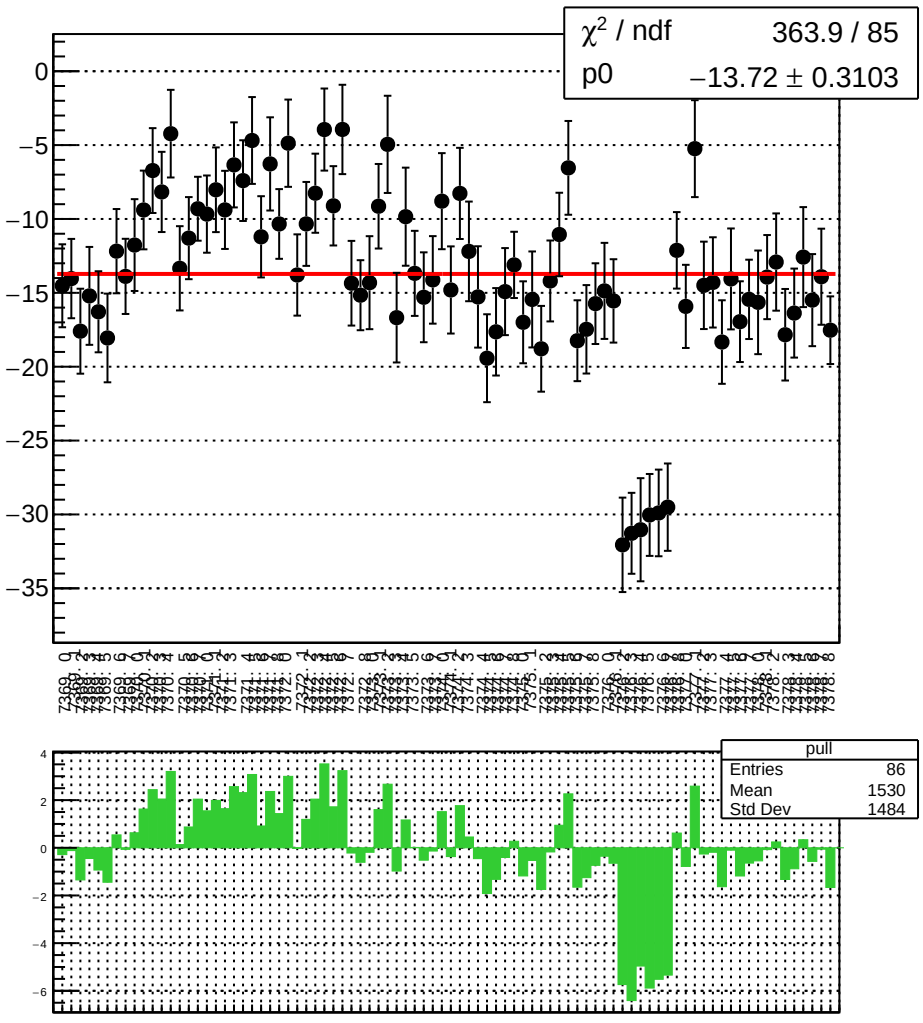

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 166.3 / 85
p0 0.4086 ± 0.01328
pull
Entries 86
Mean 857.6
Std Dev 812.5
pull1D
Entries 86
Mean 0.03571
Std Dev 1.39

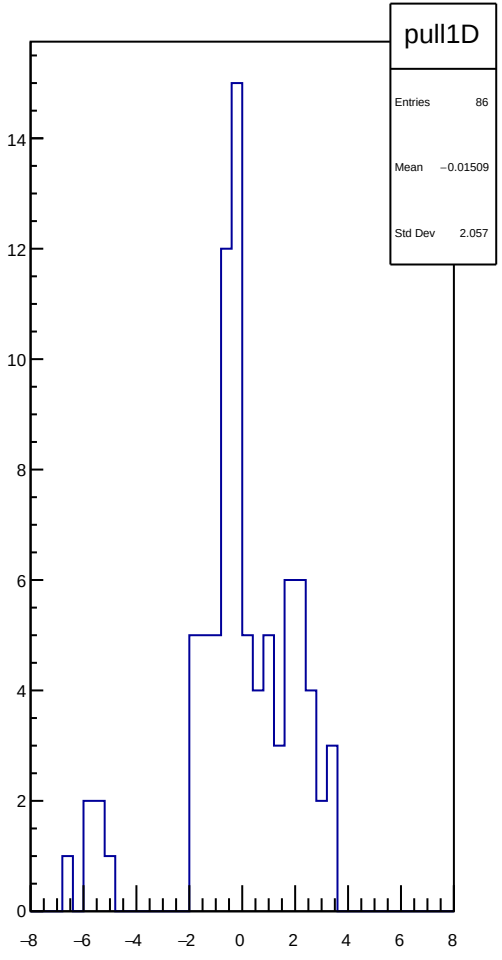

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 955.9 / 85
p0 33.45 ± 0.2629
pull
Entries 86
Mean 68.88
Std Dev 40.61

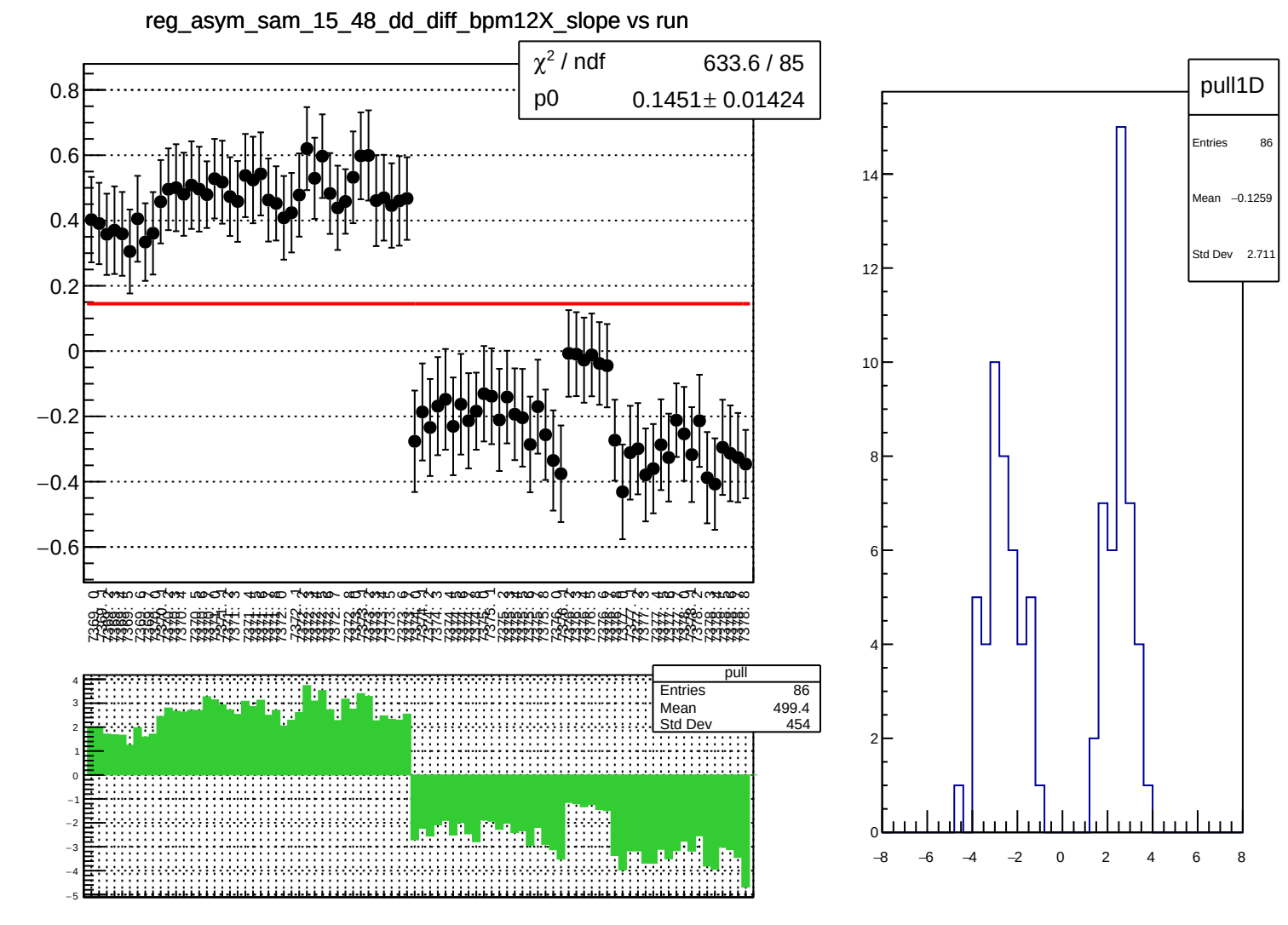

pull1D
Entries 86
Mean 0.4231
Std Dev 2.081

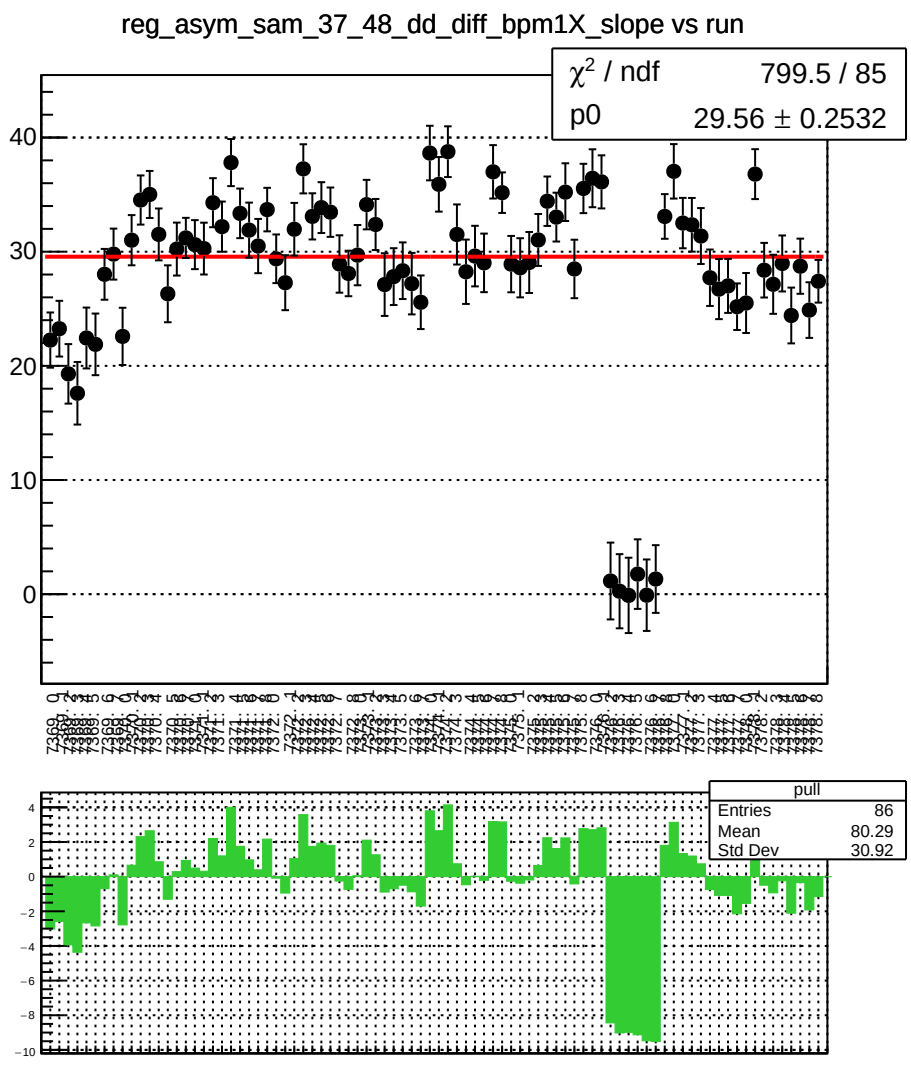

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 453.1 / 85
p0 −14.21 ± 0.29
pull
Entries 86
Mean −333.7
Std Dev 384.5
pull1D
Entries 86
Mean −0.0335
Std Dev 2.295

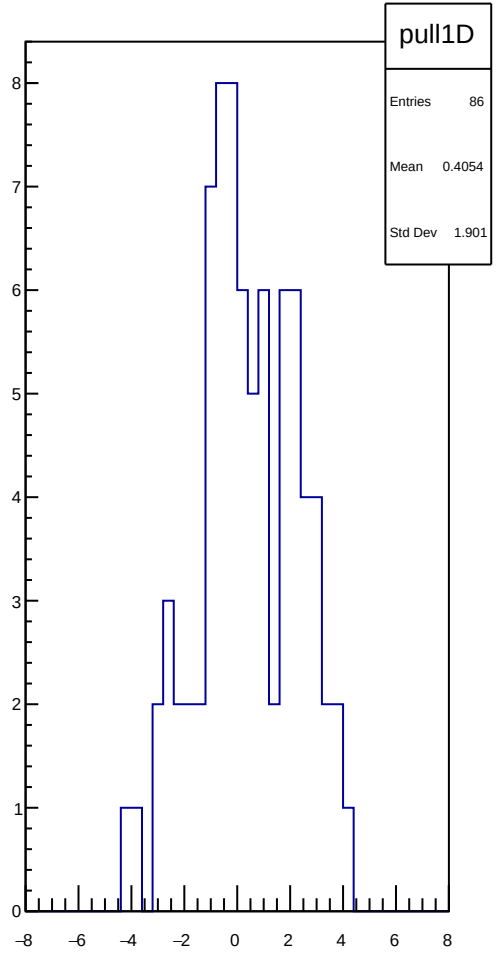

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 745.5 / 85
p0 9.889 ± 0.2734
pull
Entries 86
Mean 94.41
Std Dev 30.87
pull1D
Entries 86
Mean −0.3308
Std Dev 1.894

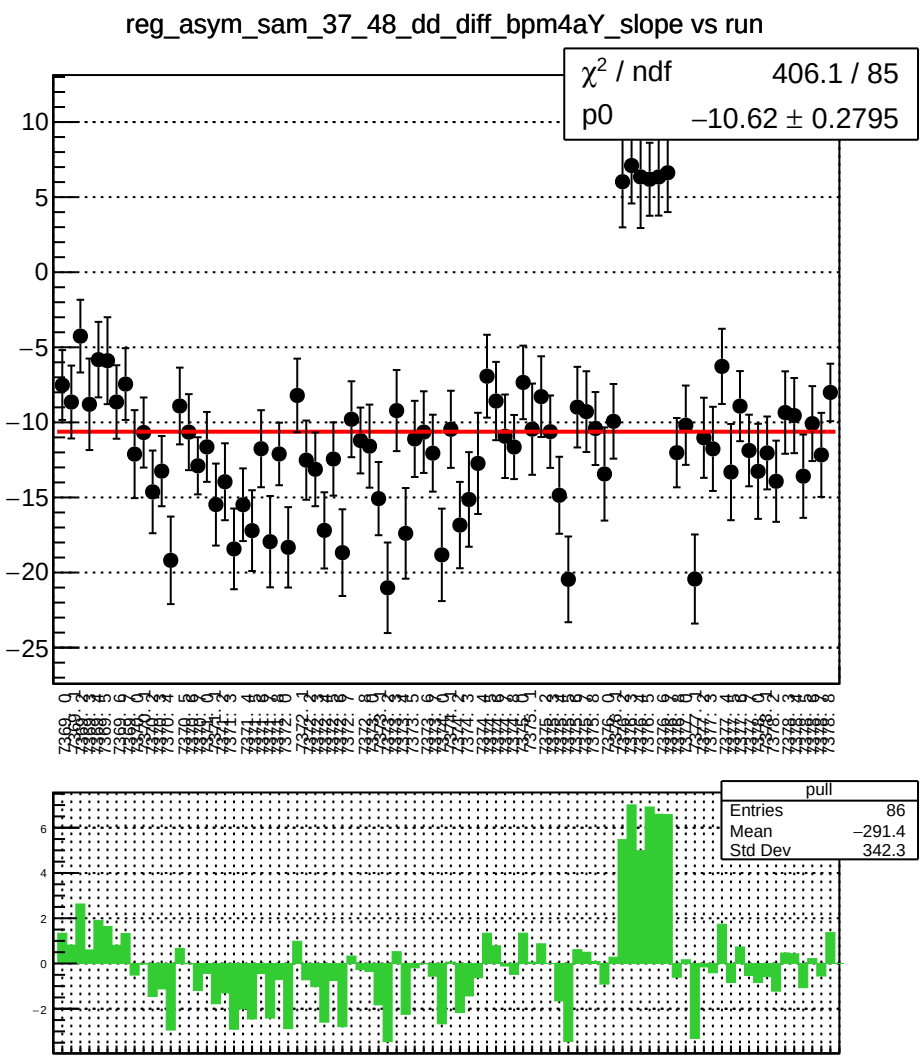

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 363.9 / 85
p0 −13.72 ± 0.3103
pull
Entries 86
Mean 1530
Std Dev 1484

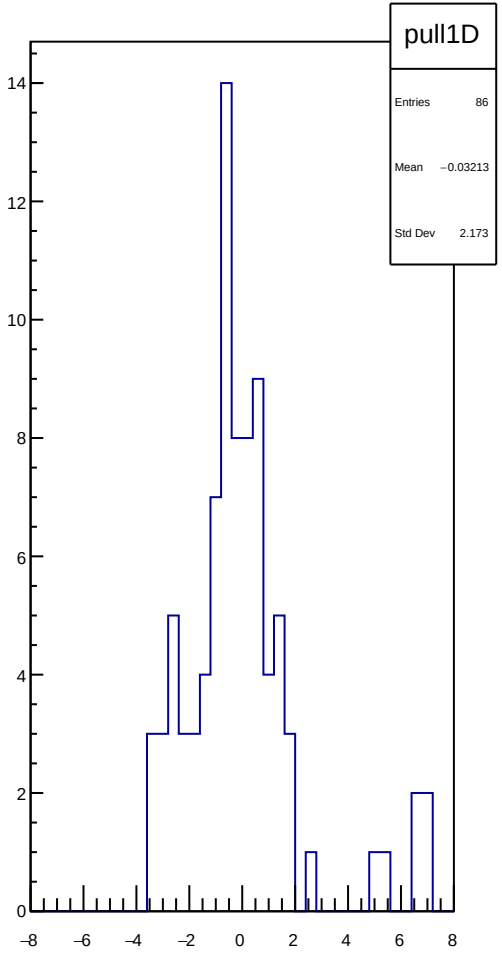

pull1D
Entries 86
Mean −0.01509
Std Dev 2.057

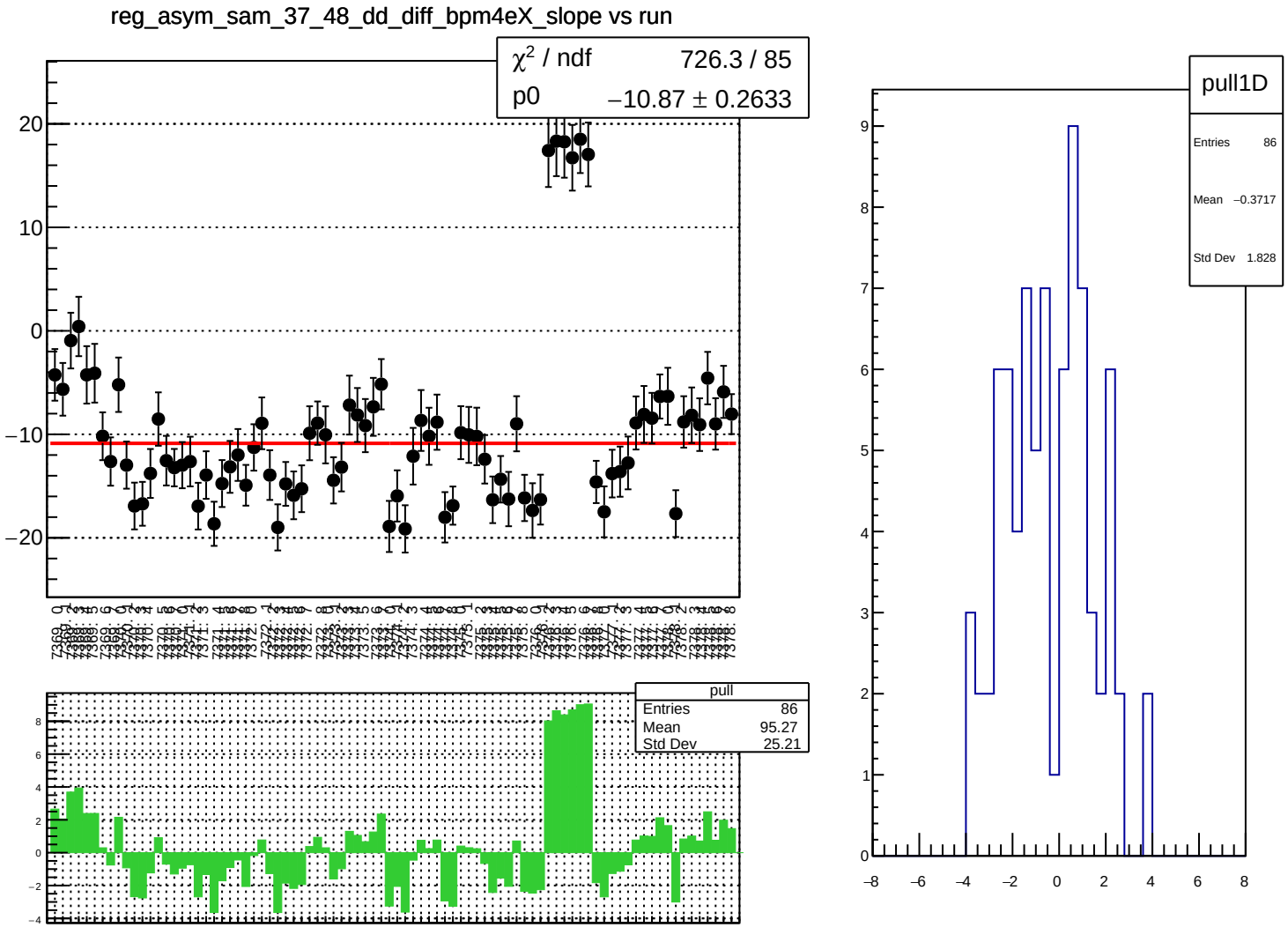

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 633.6 / 85
p0 0.1451± 0.01424
pull
Entries 86
Mean 499.4
Std Dev 454
pull1D
Entries 86
Mean −0.1259
Std Dev 2.711

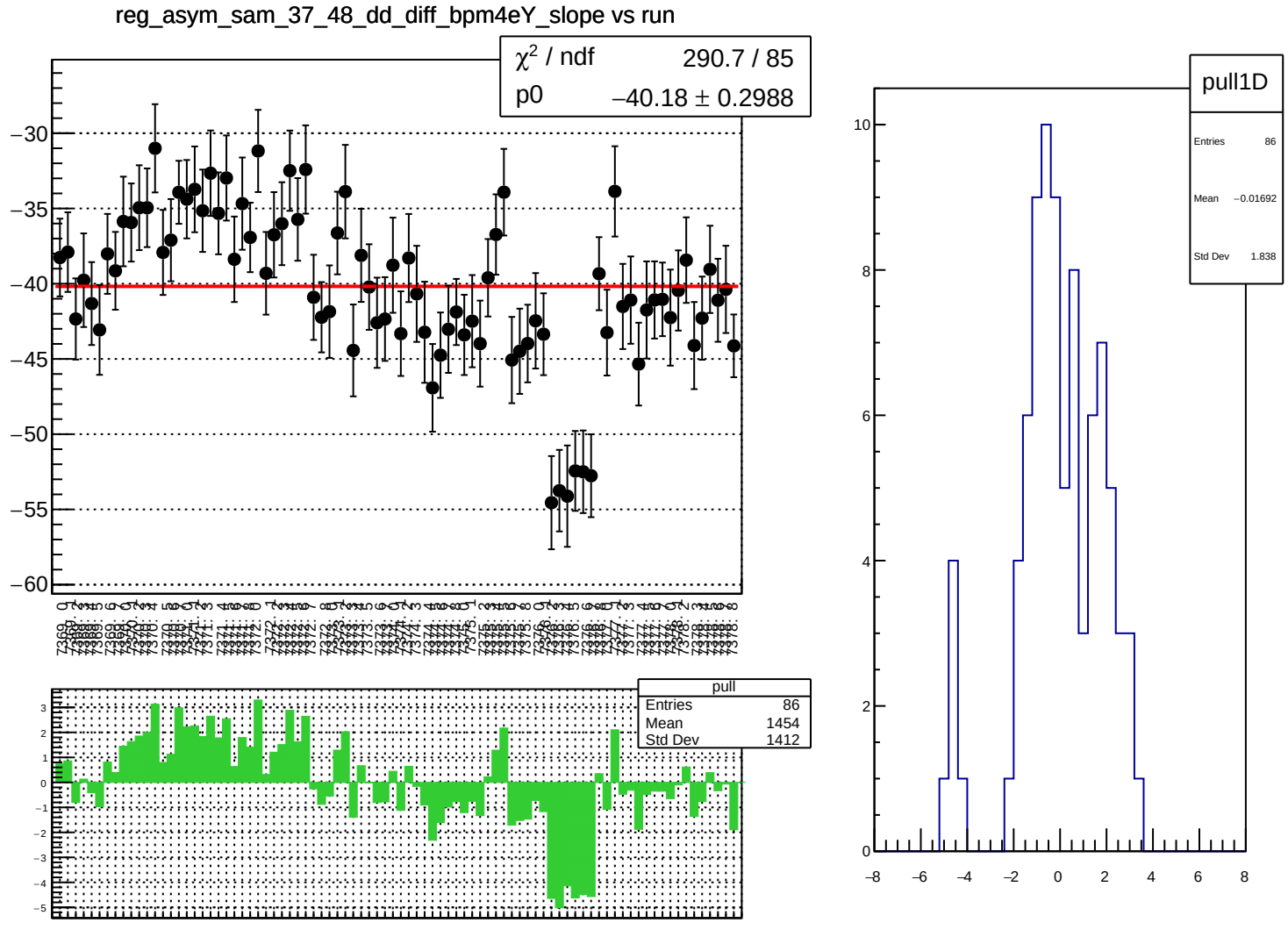

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 799.5 / 85
p0 29.56 ± 0.2532
pull
Entries 86
Mean 80.29
Std Dev 30.92

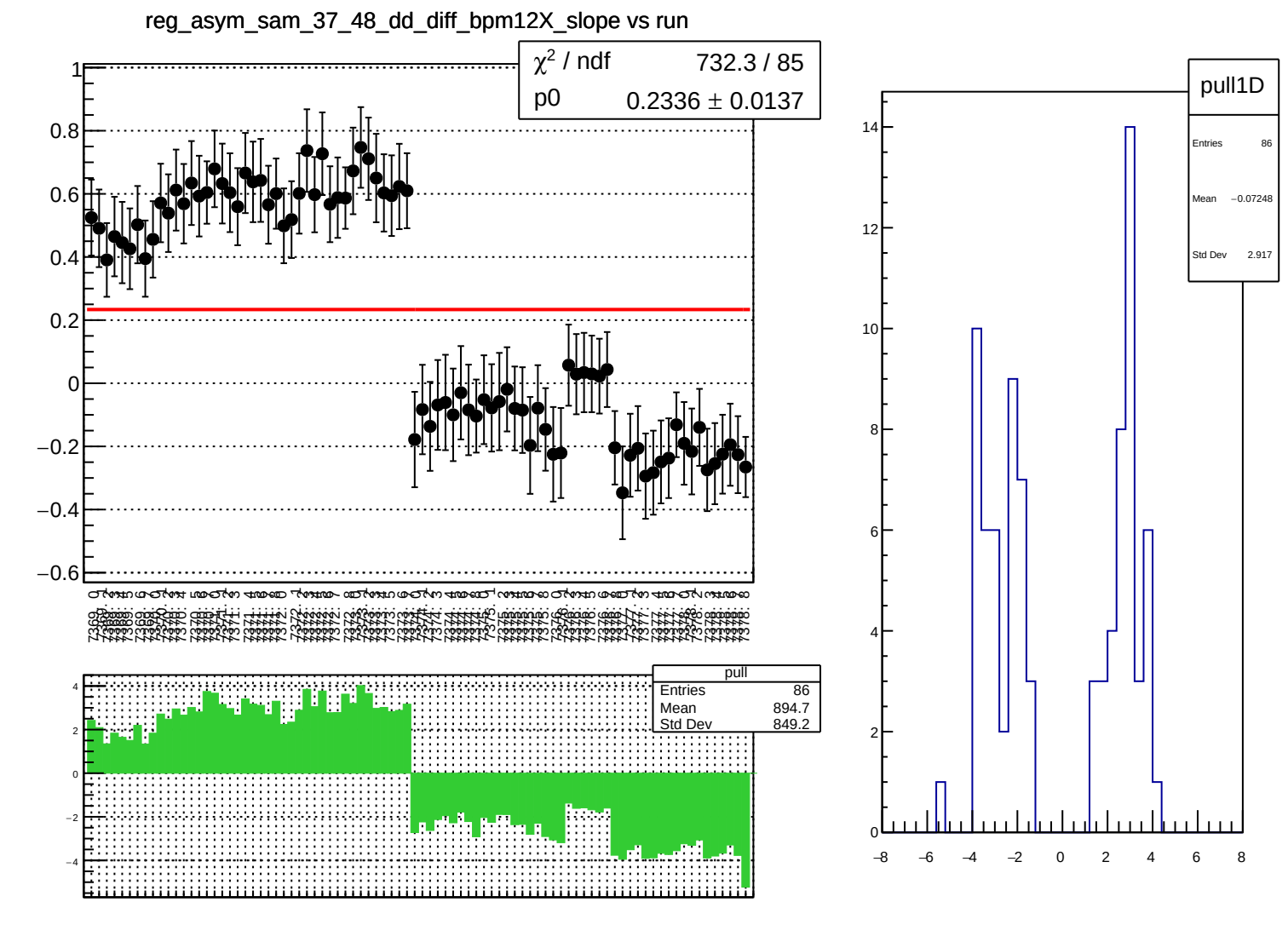

pull1D
Entries 86
Mean 0.4054
Std Dev 1.901

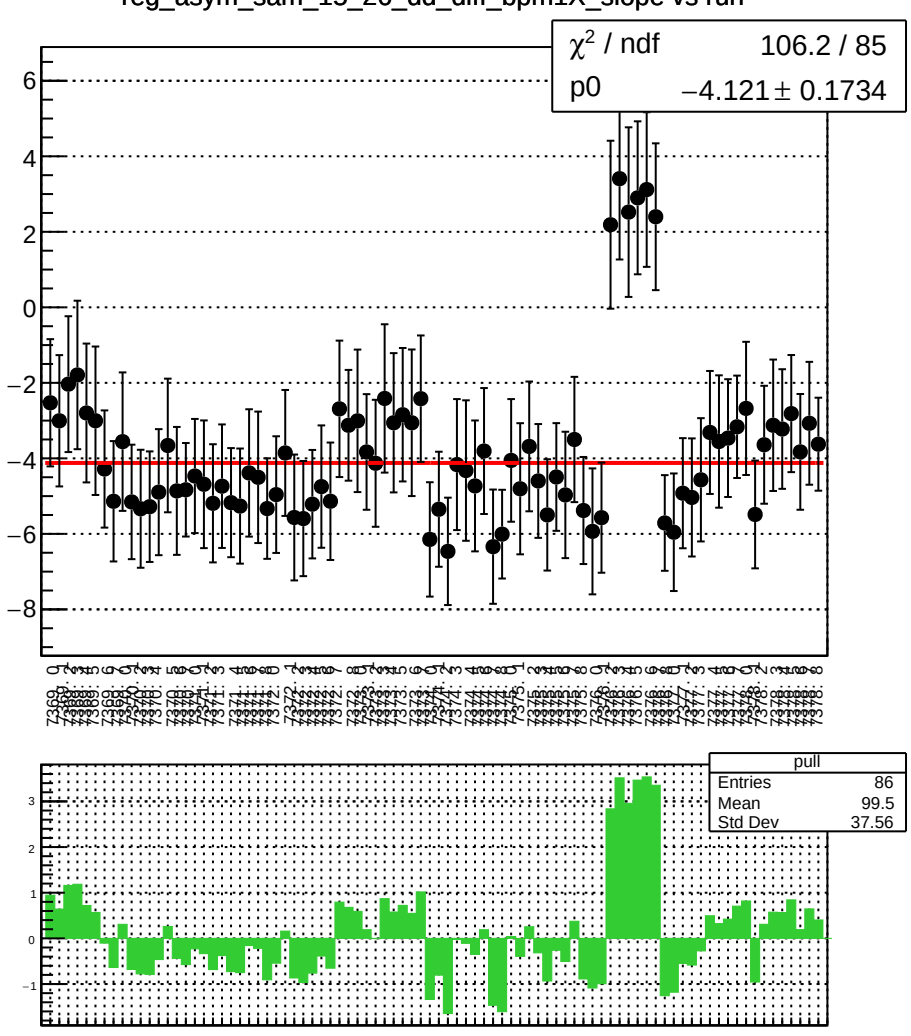

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 406.1 / 85
p0 −10.62 ± 0.2795
pull
Entries 86
Mean −291.4
Std Dev 342.3

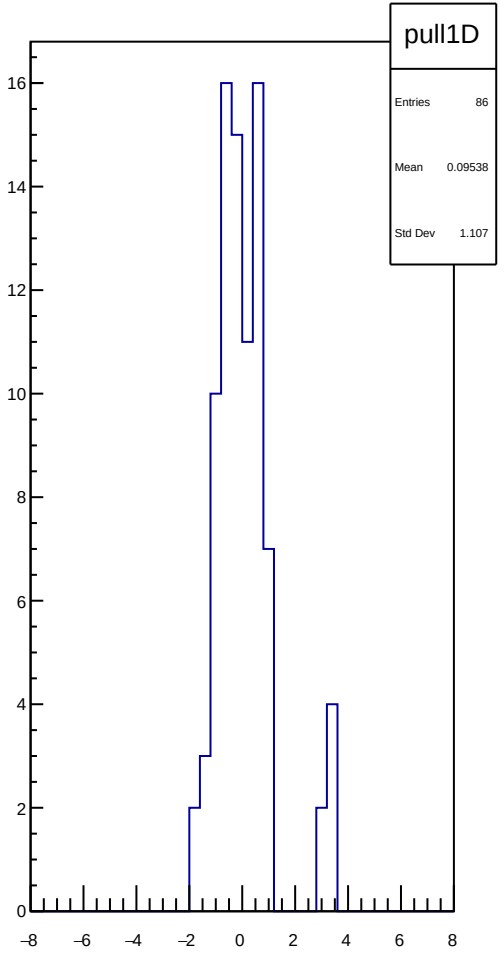

pull1D
Entries 86
Mean −0.03213
Std Dev 2.173

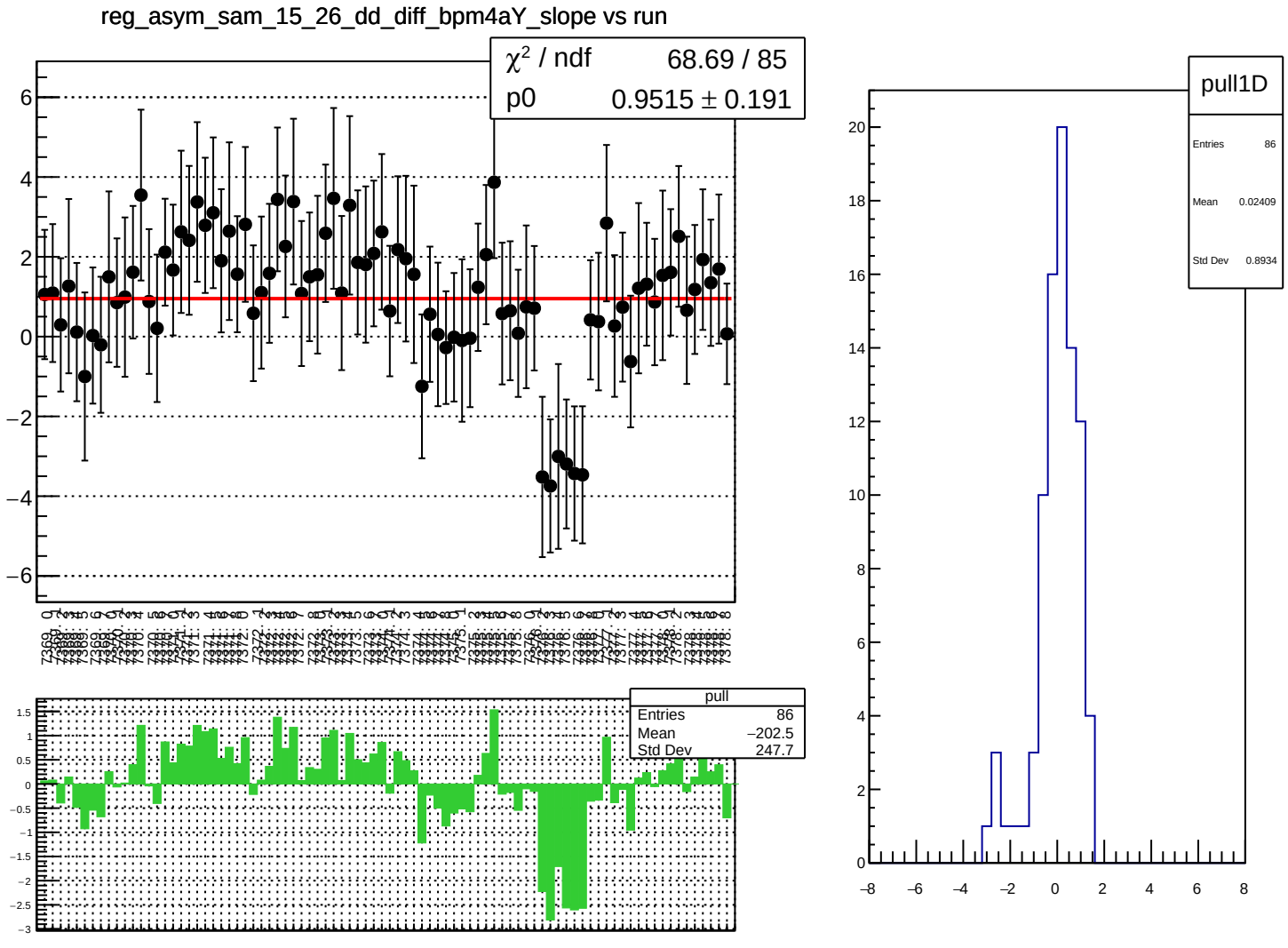

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 726.3 / 85
p0 −10.87 ± 0.2633
pull
Entries 86
Mean 95.27
Std Dev 25.21
pull1D
Entries 86
Mean −0.3717
Std Dev 1.828

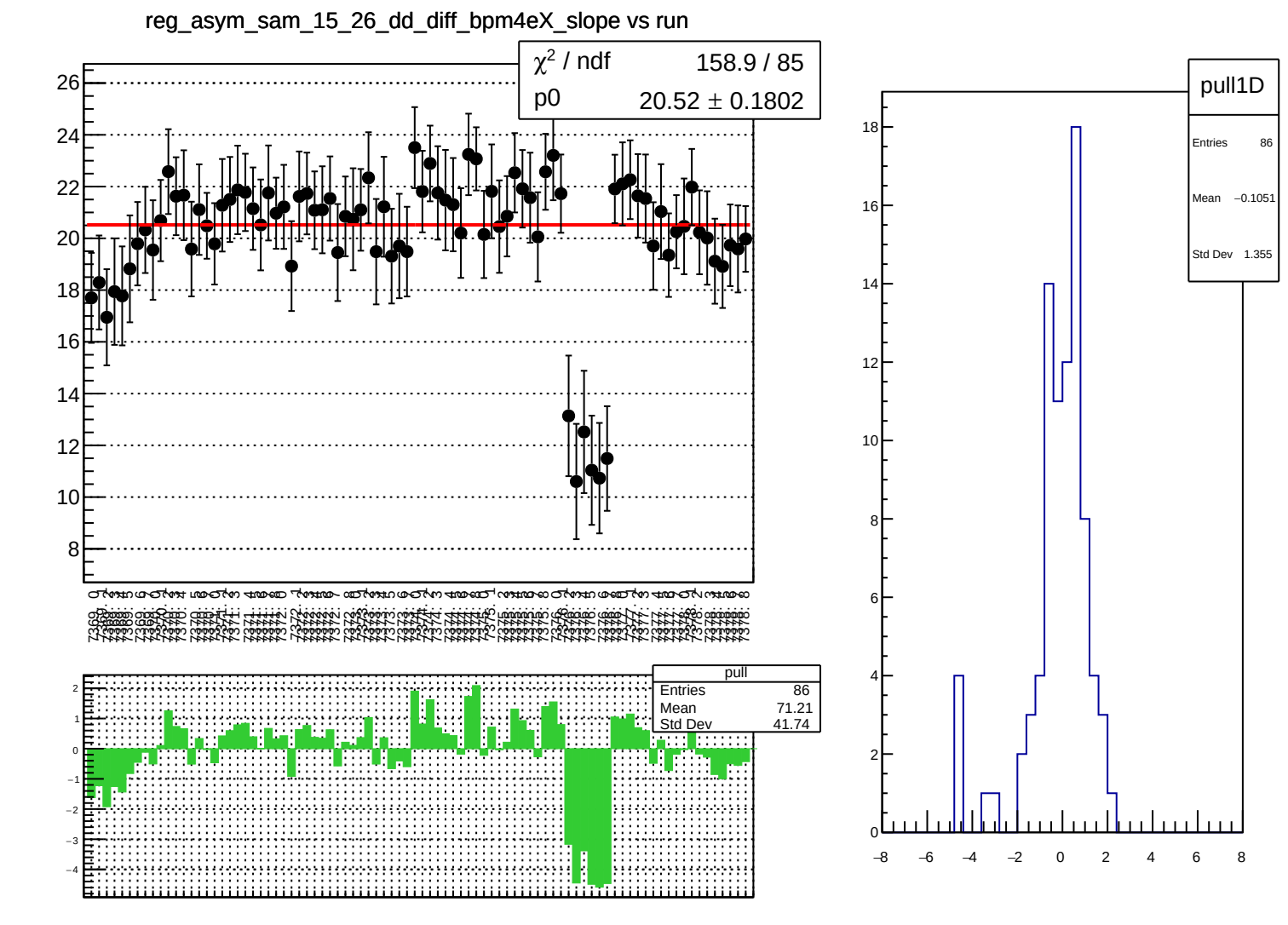

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 290.7 / 85
p0 −40.18 ± 0.2988
pull
Entries 86
Mean 1454
Std Dev 1412
pull1D
Entries 86
Mean −0.01692
Std Dev 1.838

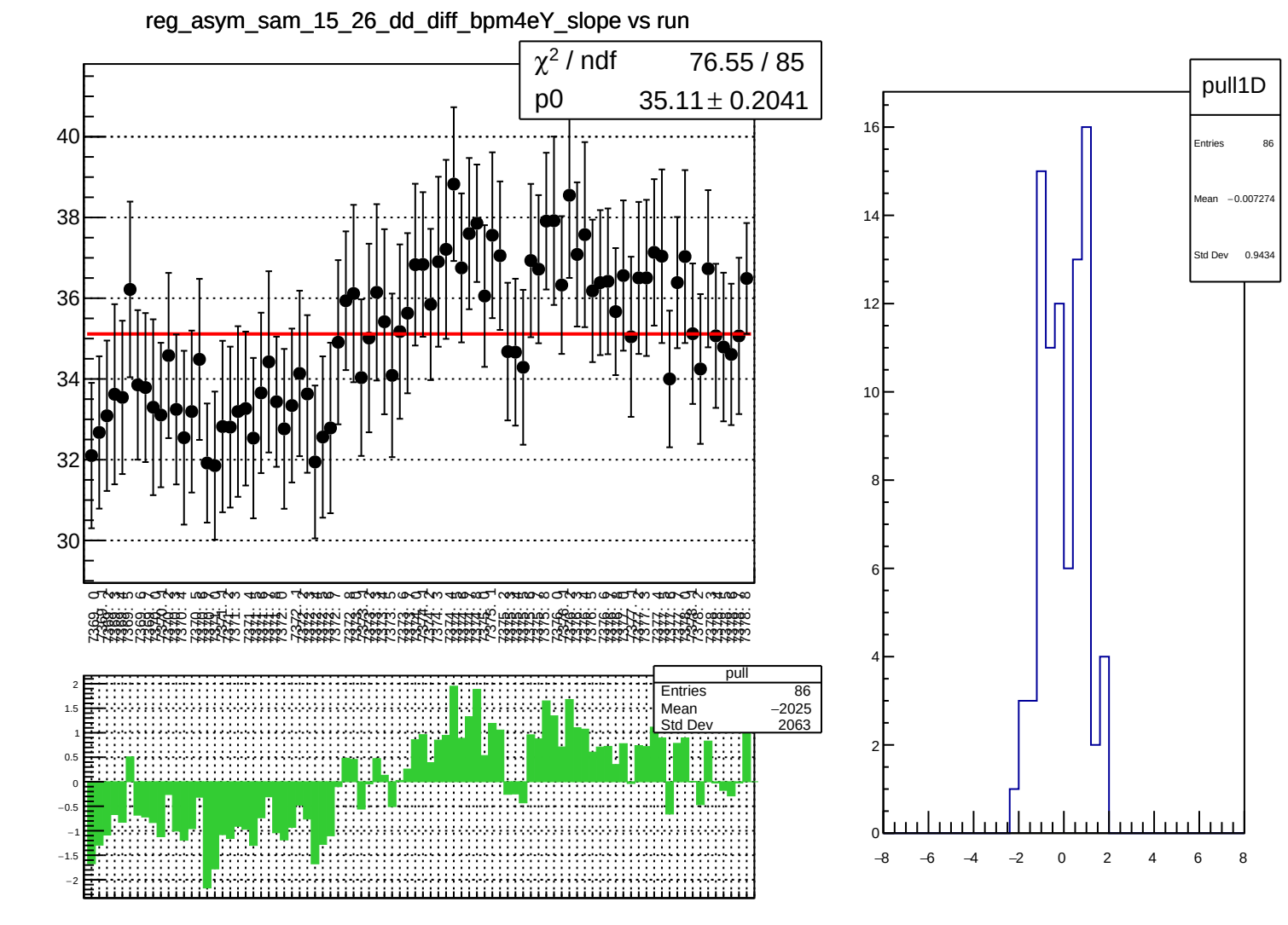

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 732.3 / 85
p0 0.2336 ± 0.0137
pull
Entries 86
Mean 894.7
Std Dev 849.2
pull1D
Entries 86
Mean −0.07248
Std Dev 2.917

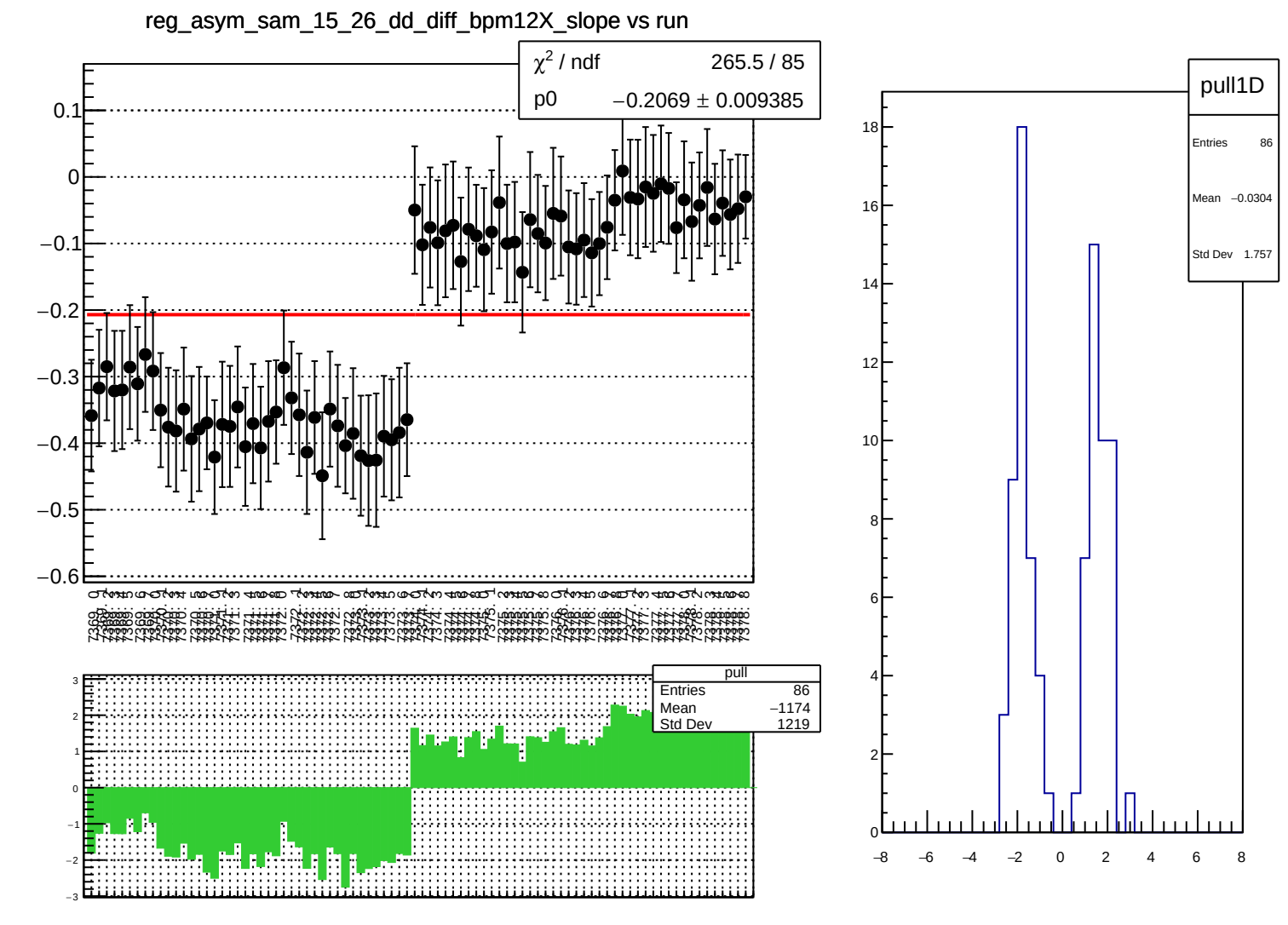

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 106.2 / 85
p0 −4.121 ± 0.1734
pull
Entries 86
Mean 99.5
Std Dev 37.56

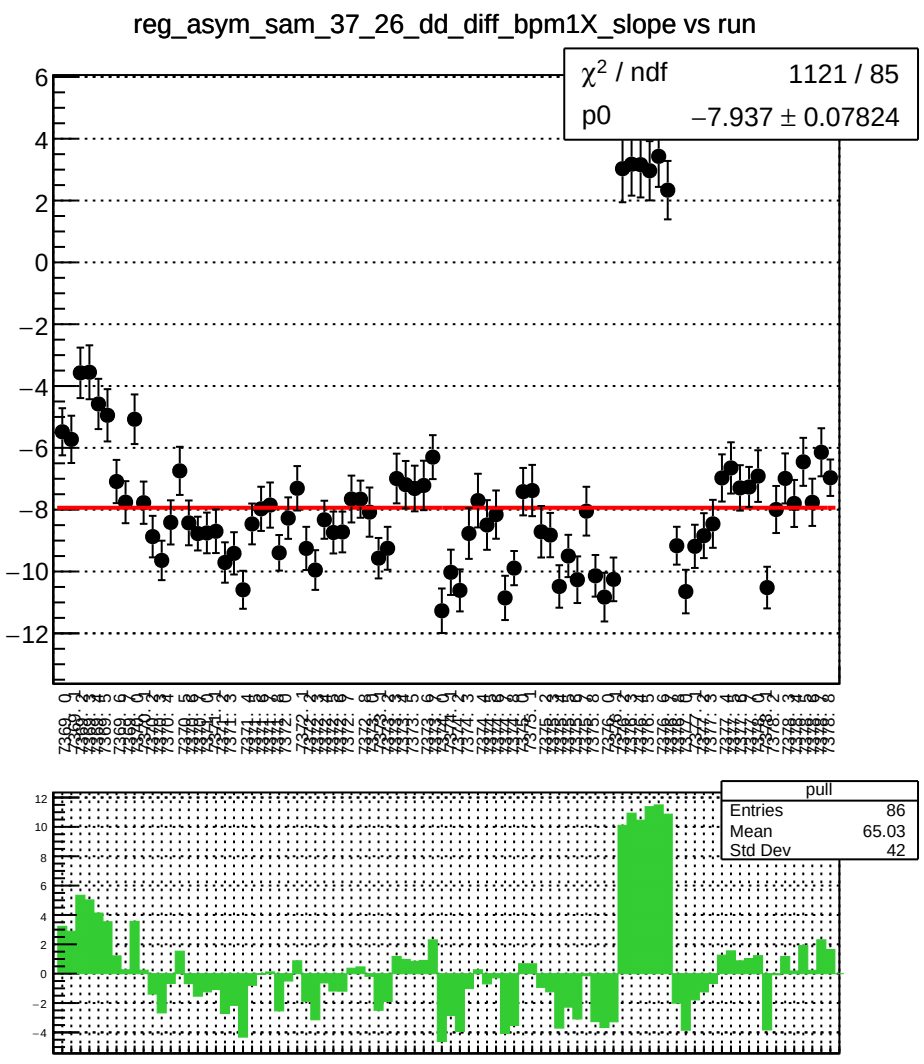

pull1D
Entries 86
Mean 0.09538
Std Dev 1.107

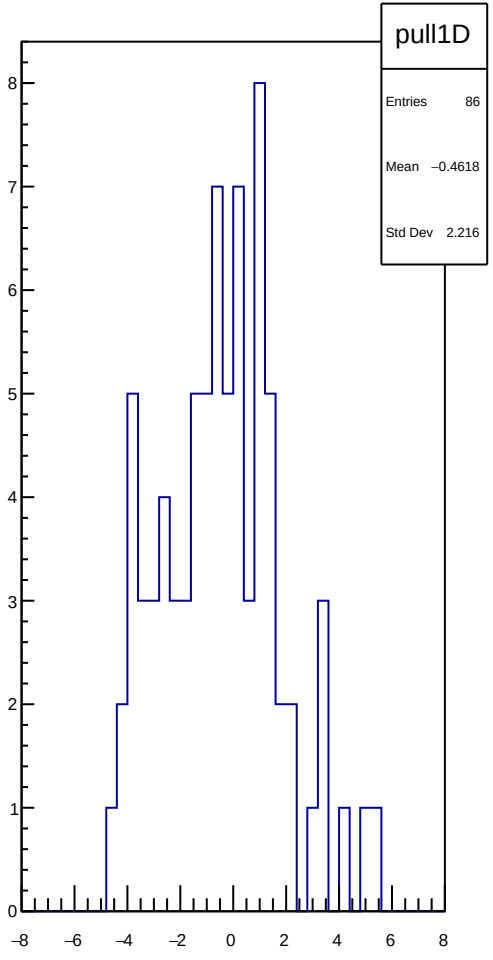

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 68.69 / 85
p0 0.9515 ± 0.191
pull
Entries 86
Mean −202.5
Std Dev 247.7
pull1D
Entries 86
Mean 0.02409
Std Dev 0.8934

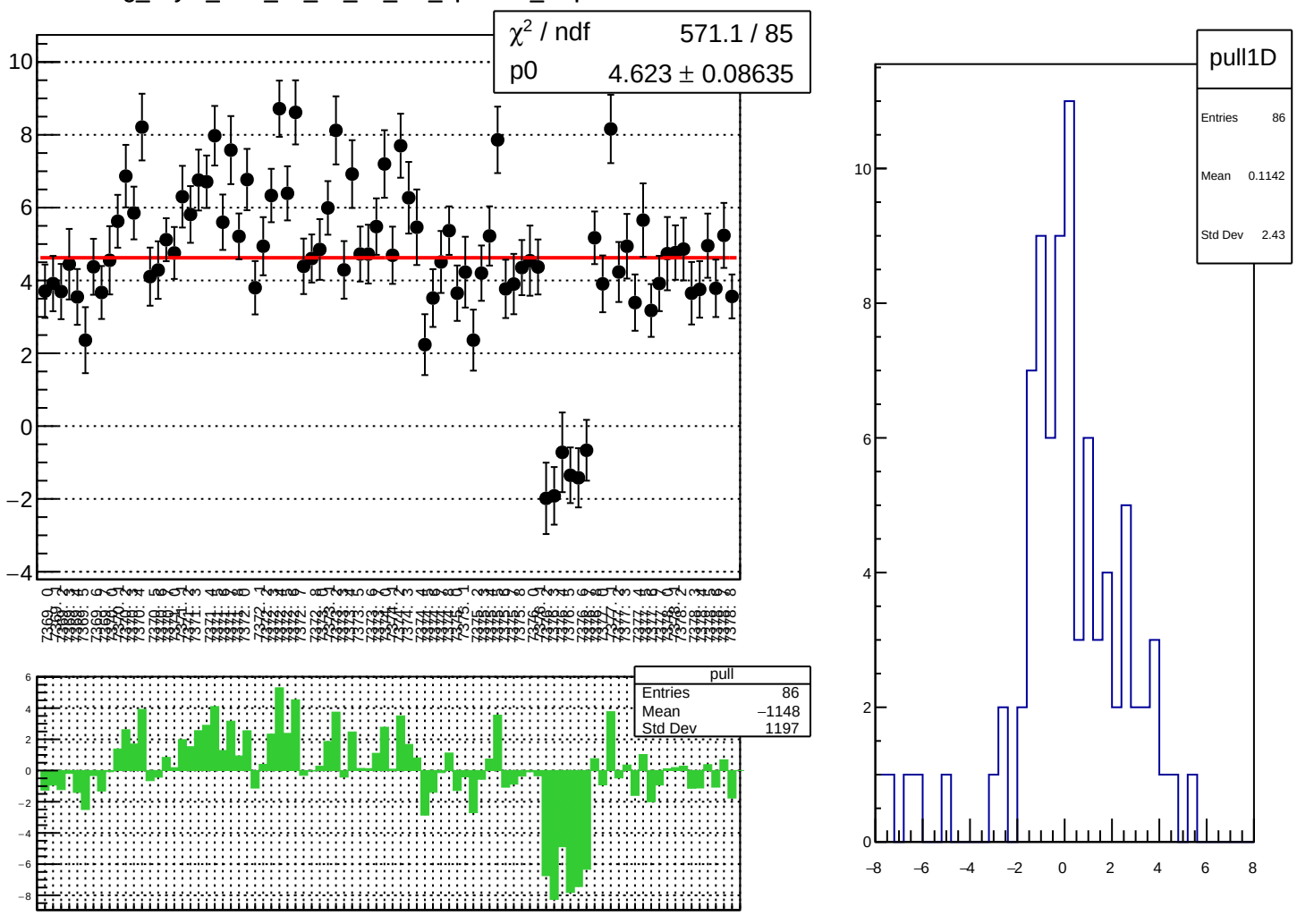

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 158.9 / 85
p0 20.52 ± 0.1802
pull
Entries 86
Mean 71.21
Std Dev 41.74
pull1D
Entries 86
Mean −0.1051
Std Dev 1.355

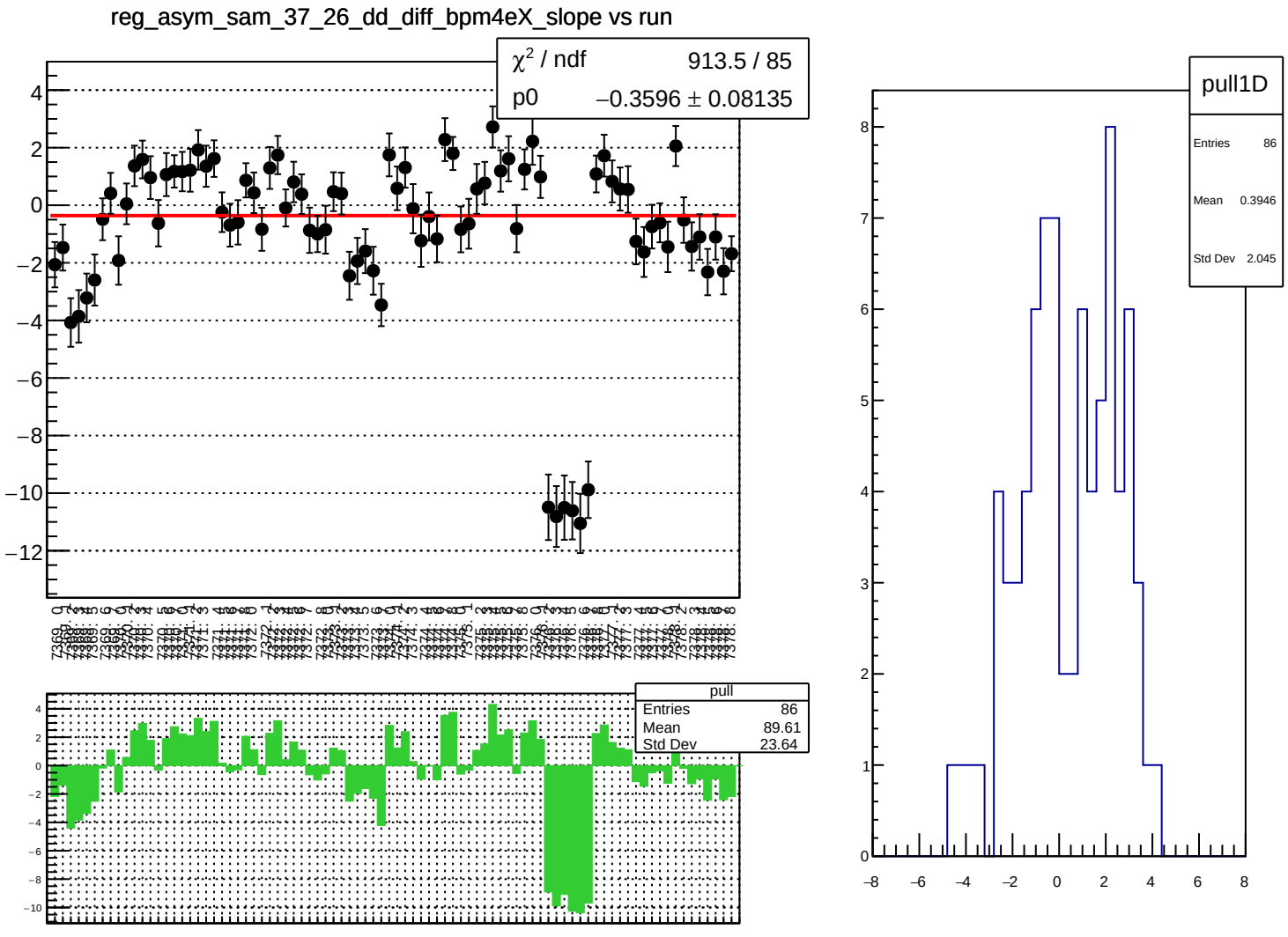

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 76.55 / 85
p0 35.11 ± 0.2041
pull
Entries 86
Mean −2025
Std Dev 2063
pull1D
Entries 86
Mean −0.007274
Std Dev 0.9434

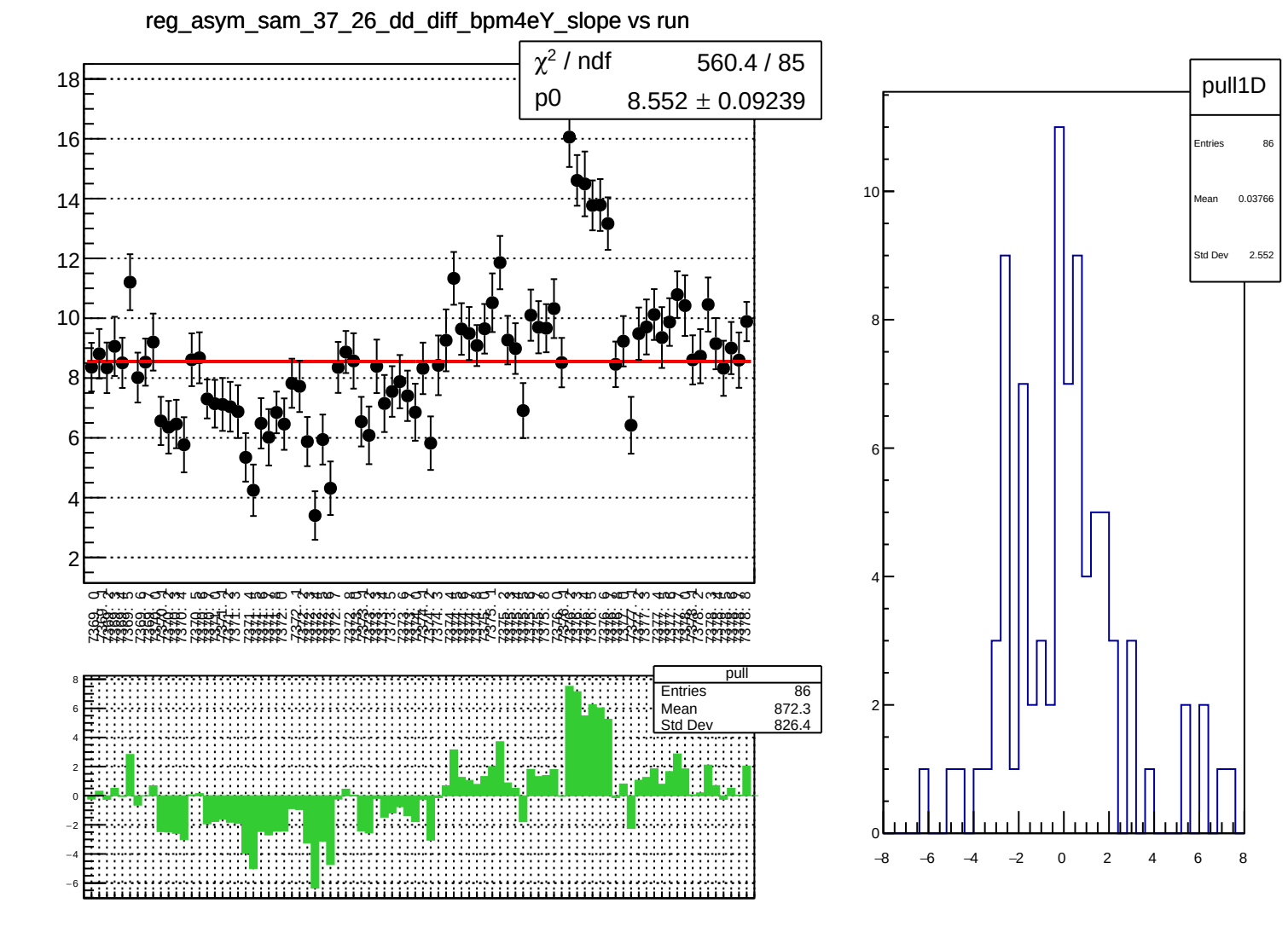

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 265.5 / 85
p0 −0.2069 ± 0.009385
pull
Entries 86
Mean −1174
Std Dev 1219
pull1D
Entries 86
Mean −0.0304
Std Dev 1.757

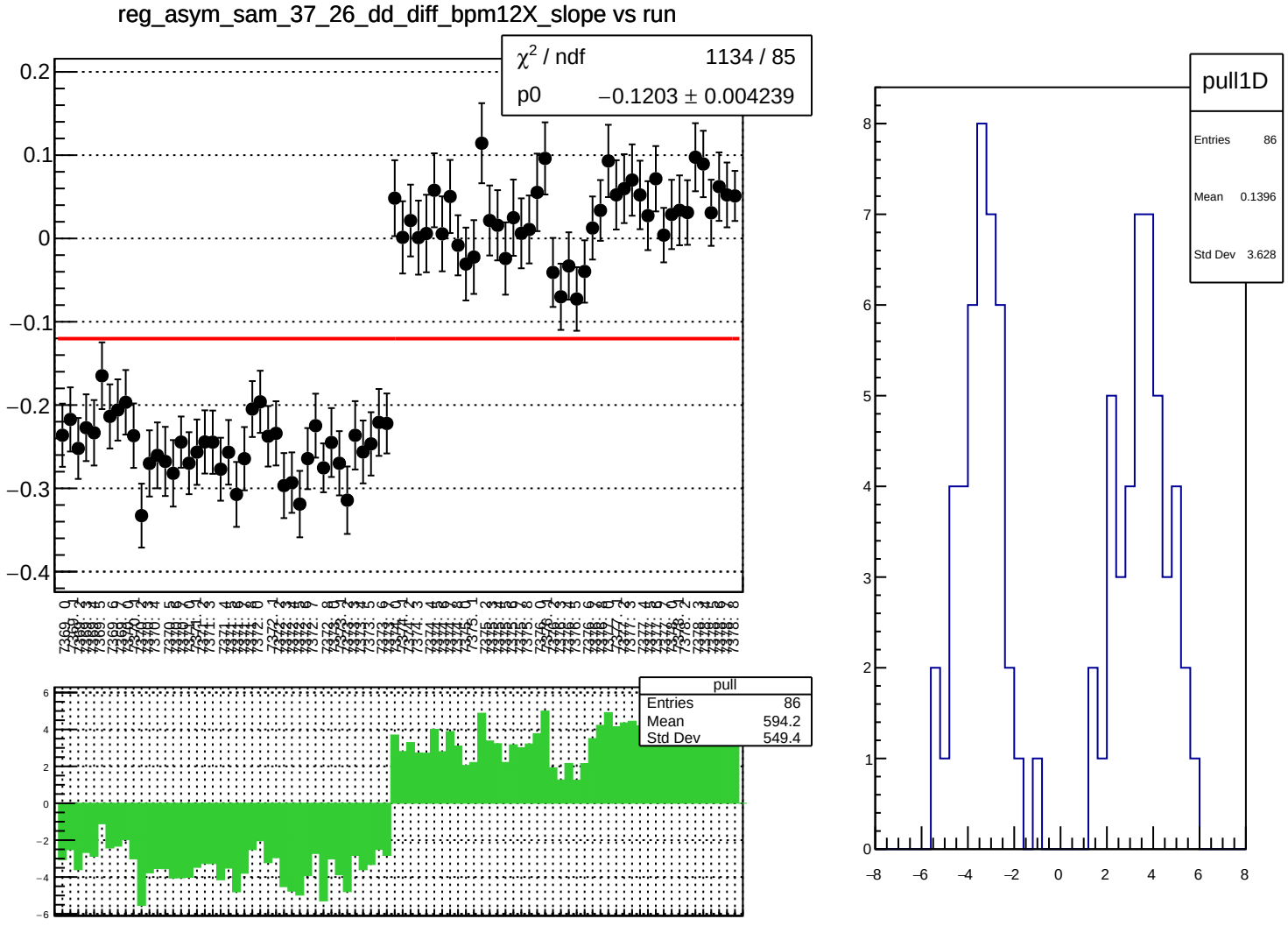

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1121 / 85
p0 −7.937 ± 0.07824
pull
Entries 86
Mean 65.03
Std Dev 42

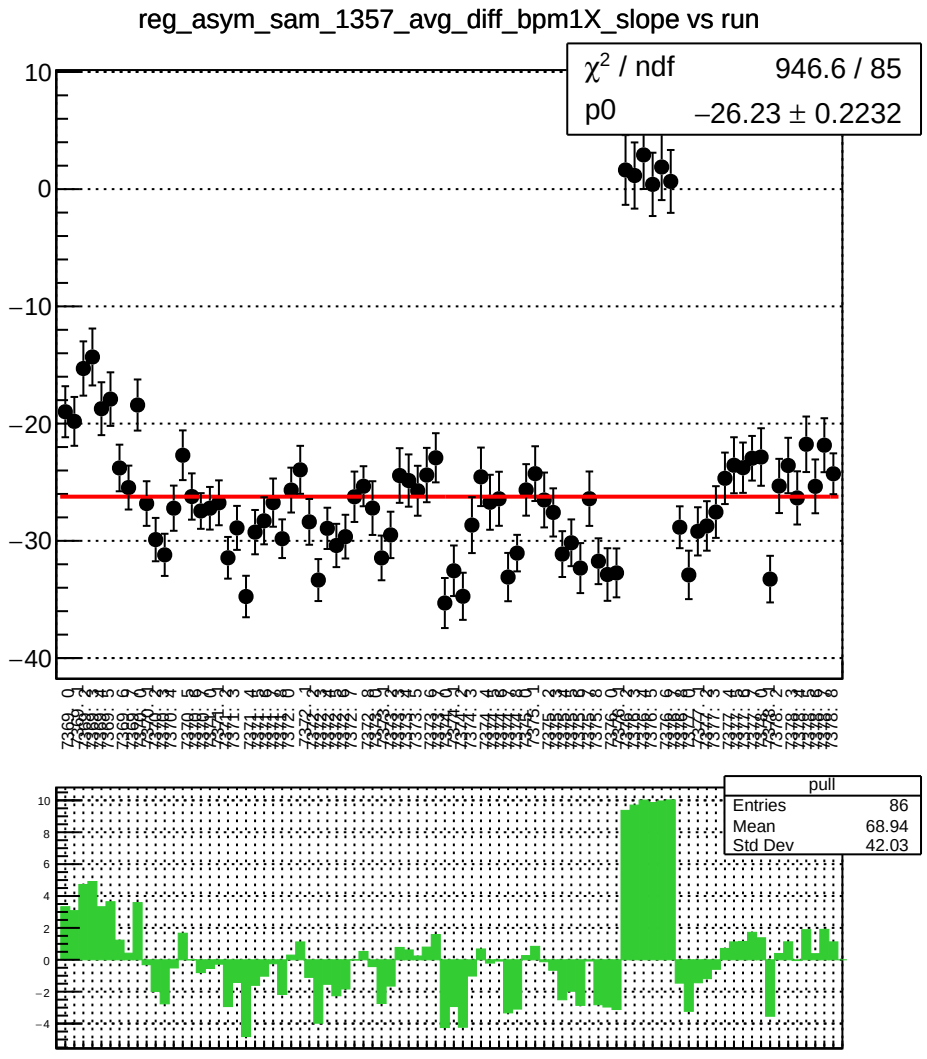

pull1D
Entries 86
Mean −0.4618
Std Dev 2.216

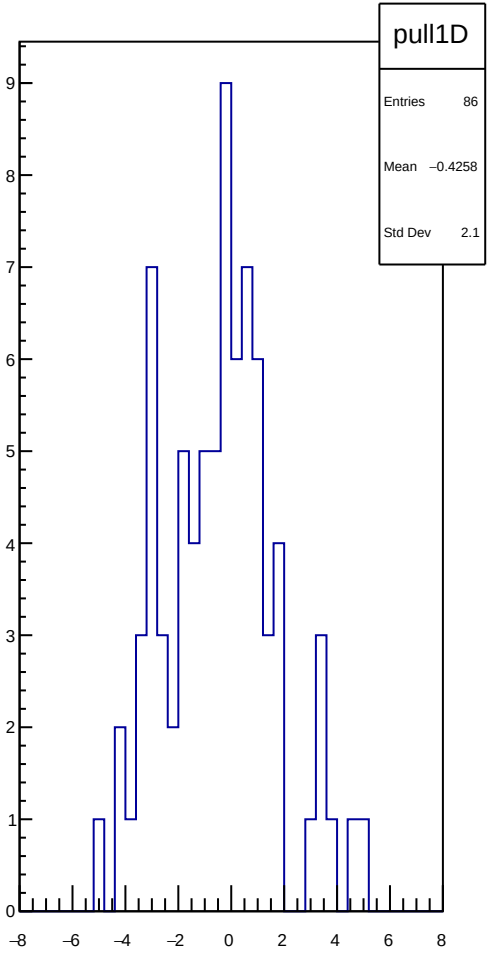

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 571.1 / 85
p0 4.623 ± 0.08635
pull
Entries 86
Mean −1148
Std Dev 1197
pull1D
Entries 86
Mean 0.1142
Std Dev 2.43

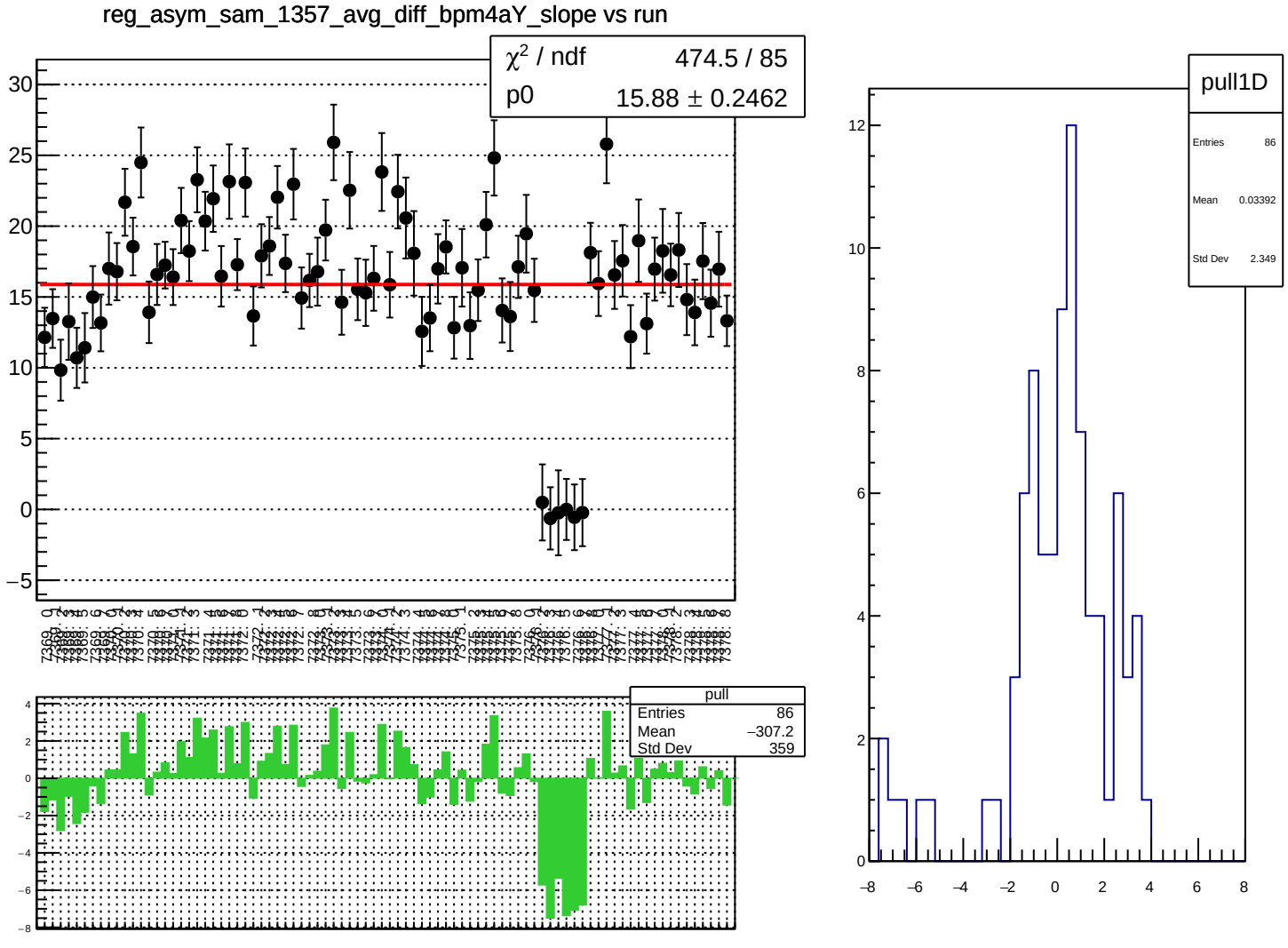

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 913.5 / 85
p0 −0.3596 ± 0.08135
pull
Entries 86
Mean 89.61
Std Dev 23.64
pull1D
Entries 86
Mean 0.3946
Std Dev 2.045

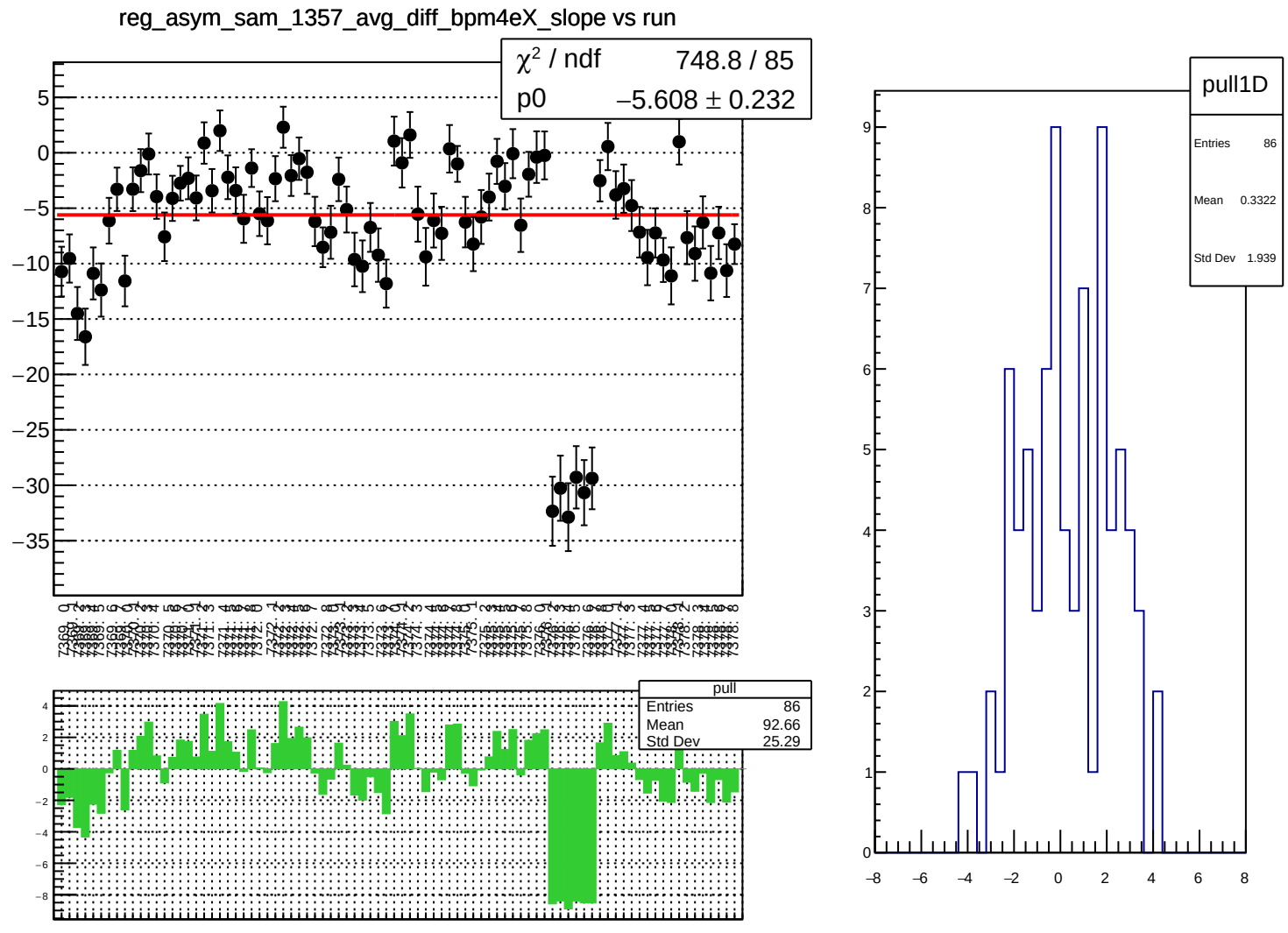

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 560.4 / 85
p0 8.552 ± 0.09239
pull
Entries 86
Mean 872.3
Std Dev 826.4
pull1D
Entries 86
Mean 0.03766
Std Dev 2.552

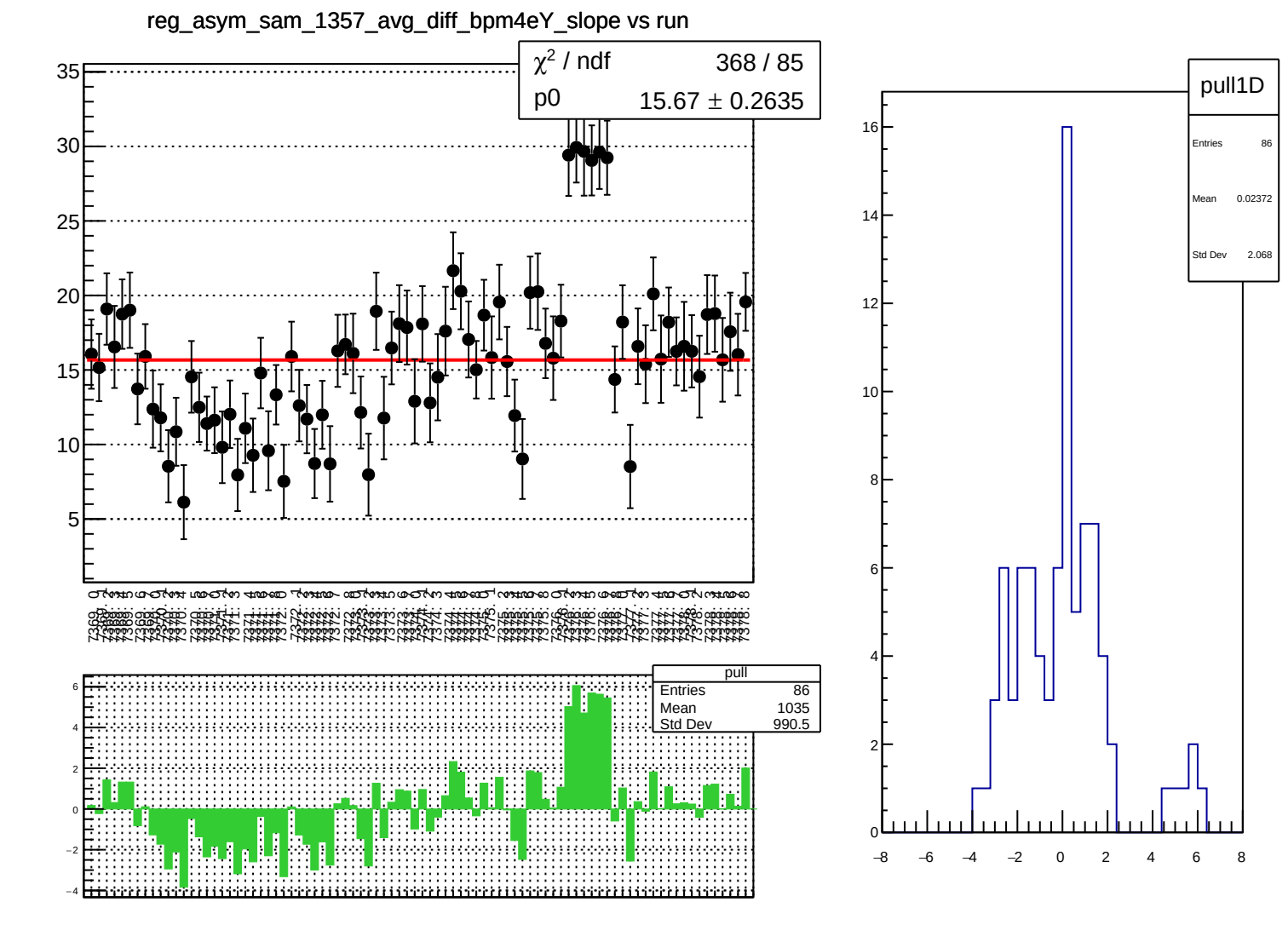

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1134 / 85
p0 −0.1203 ± 0.004239
pull
Entries 86
Mean 594.2
Std Dev 549.4
pull1D
Entries 86
Mean 0.1396
Std Dev 3.628

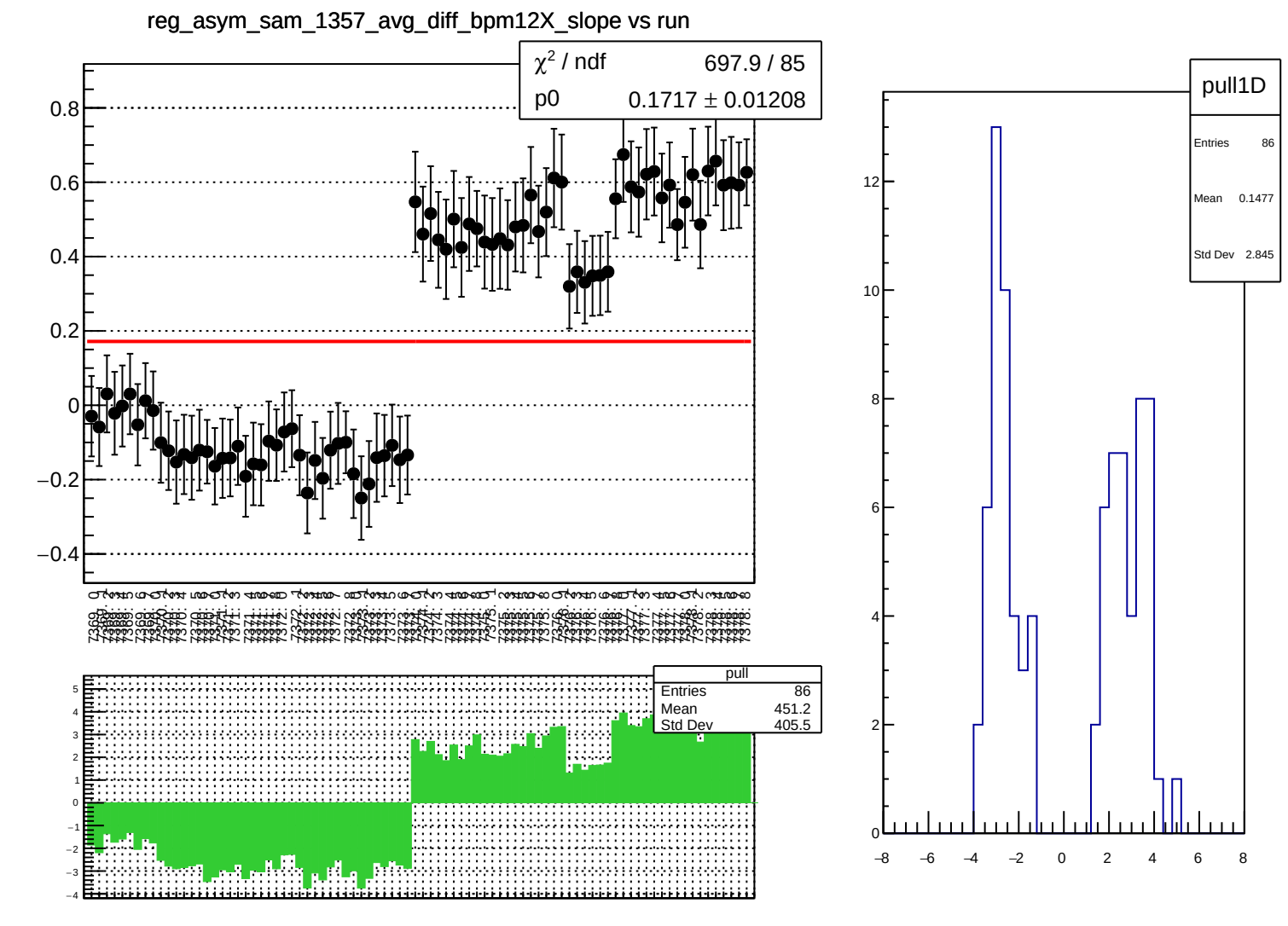

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 946.6 / 85
p0 −26.23 ± 0.2232
pull
Entries 86
Mean 68.94
Std Dev 42.03

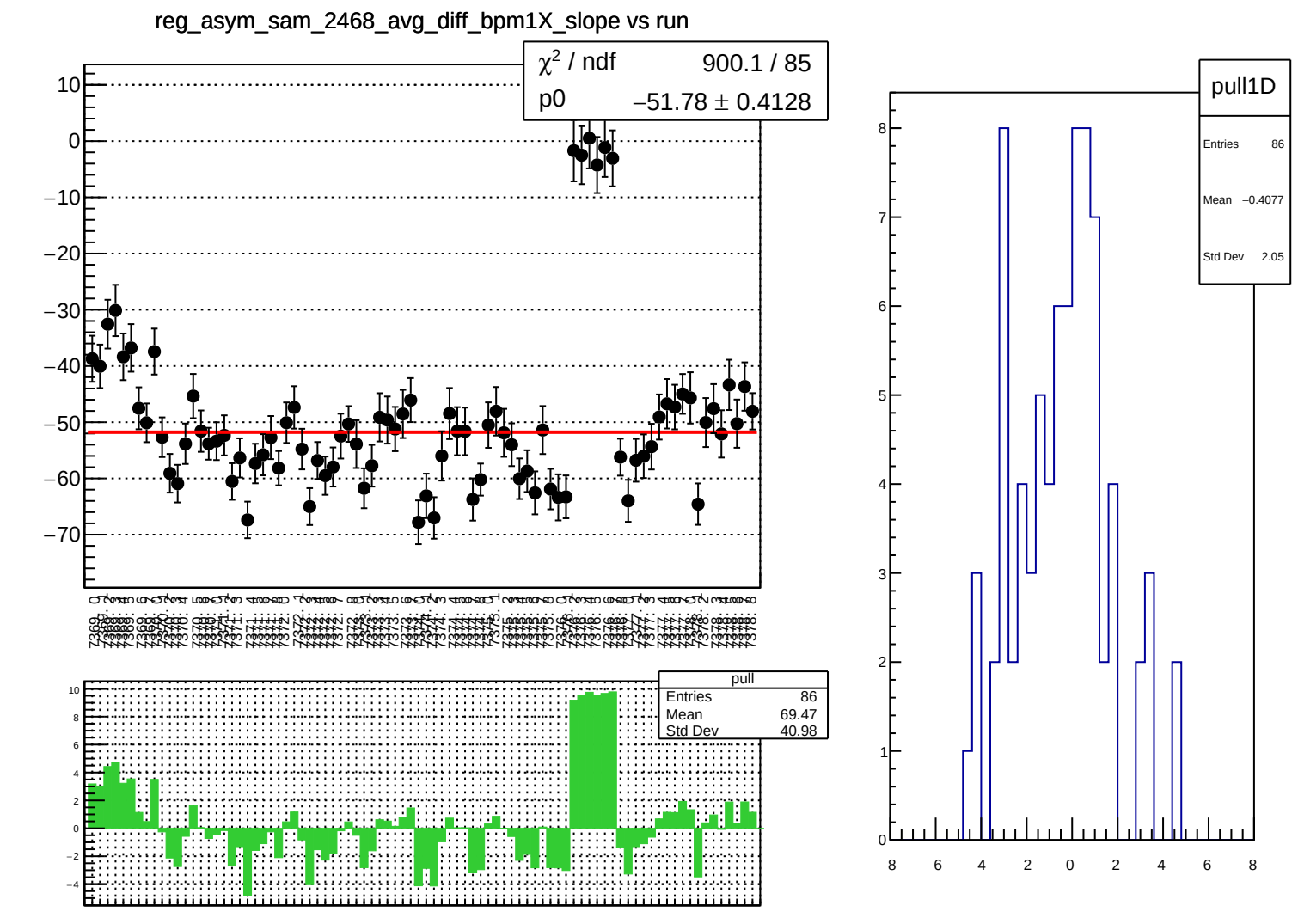

pull1D
Entries 86
Mean −0.4258
Std Dev 2.1

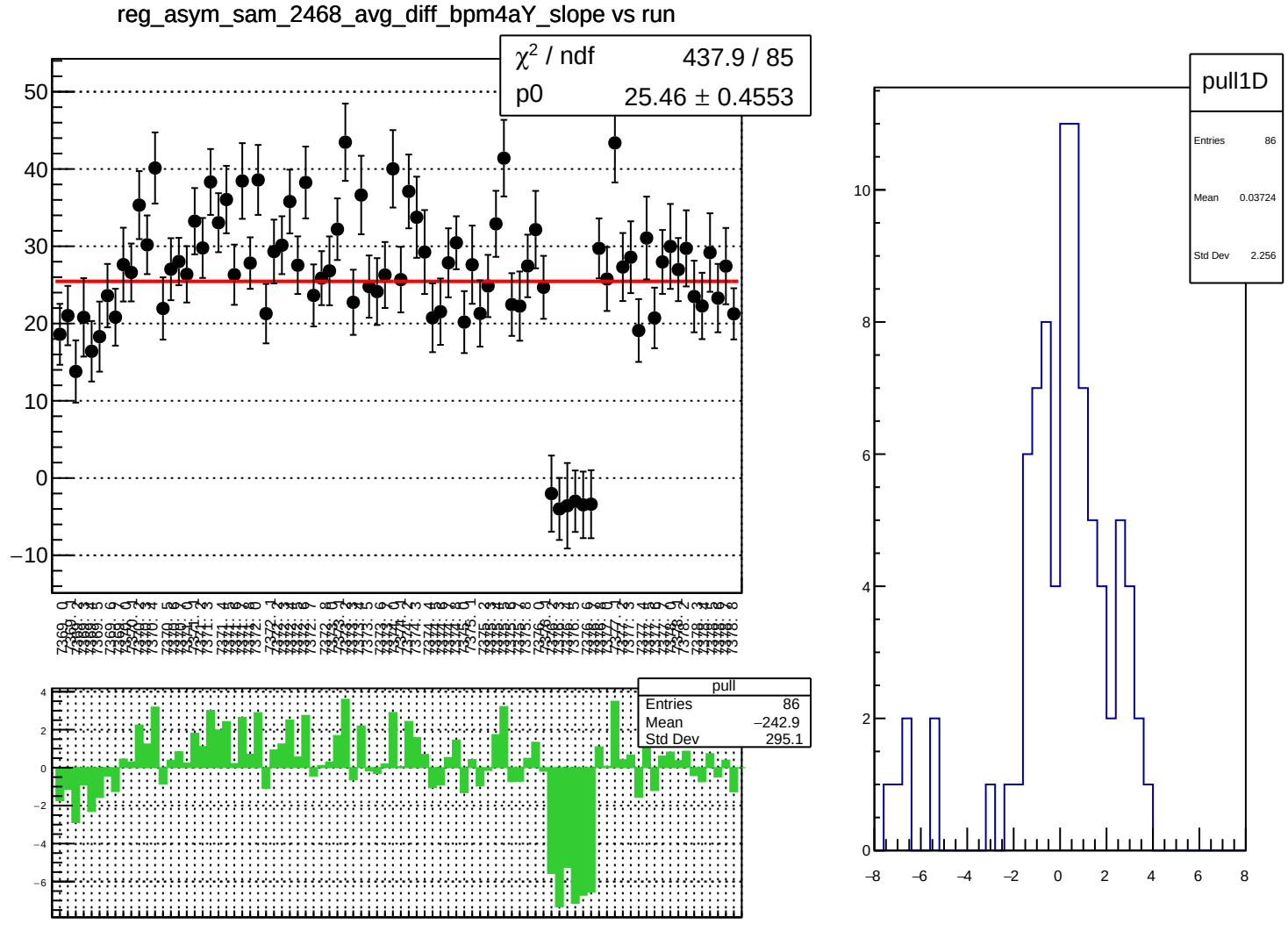

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 474.5 / 85
p0 15.88 ± 0.2462
pull
Entries 86
Mean −307.2
Std Dev 359
pull1D
Entries 86
Mean 0.03392
Std Dev 2.349

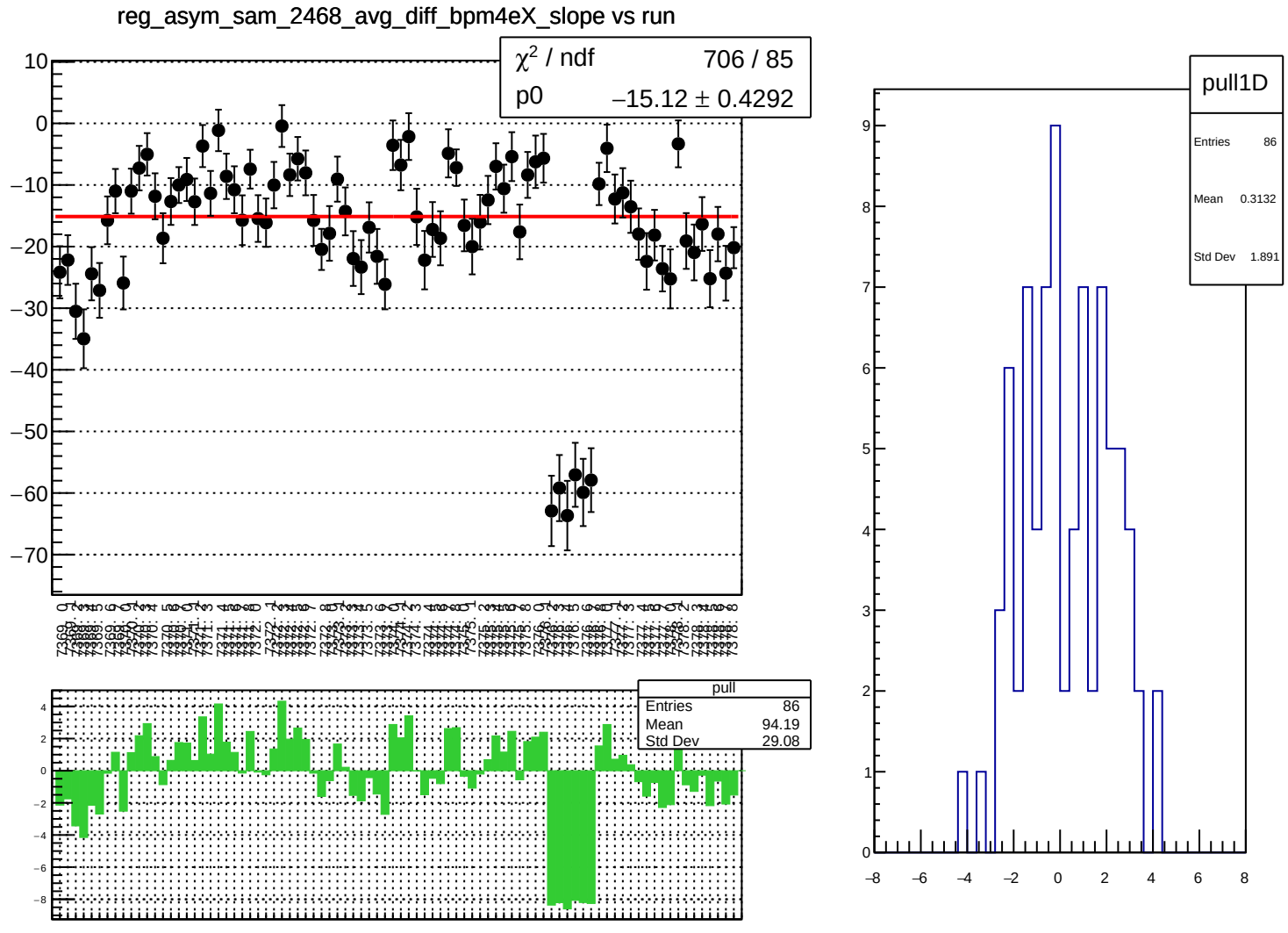

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 748.8 / 85
p0 −5.608 ± 0.232
pull
Entries 86
Mean 92.66
Std Dev 25.29
pull1D
Entries 86
Mean 0.3322
Std Dev 1.939

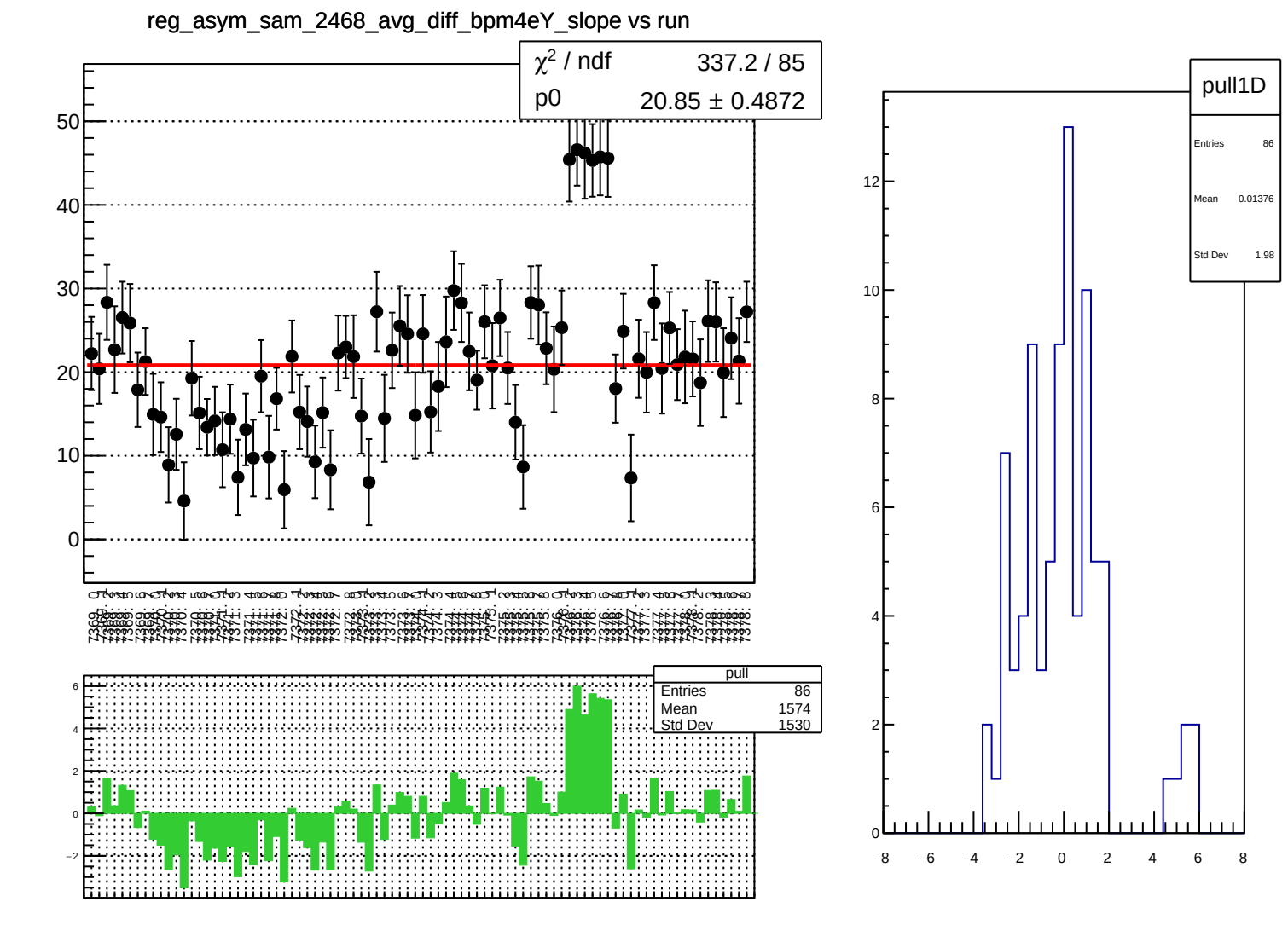

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 368 / 85
p0 15.67 ± 0.2635
pull
Entries 86
Mean 1035
Std Dev 990.5
pull1D
Entries 86
Mean 0.02372
Std Dev 2.068

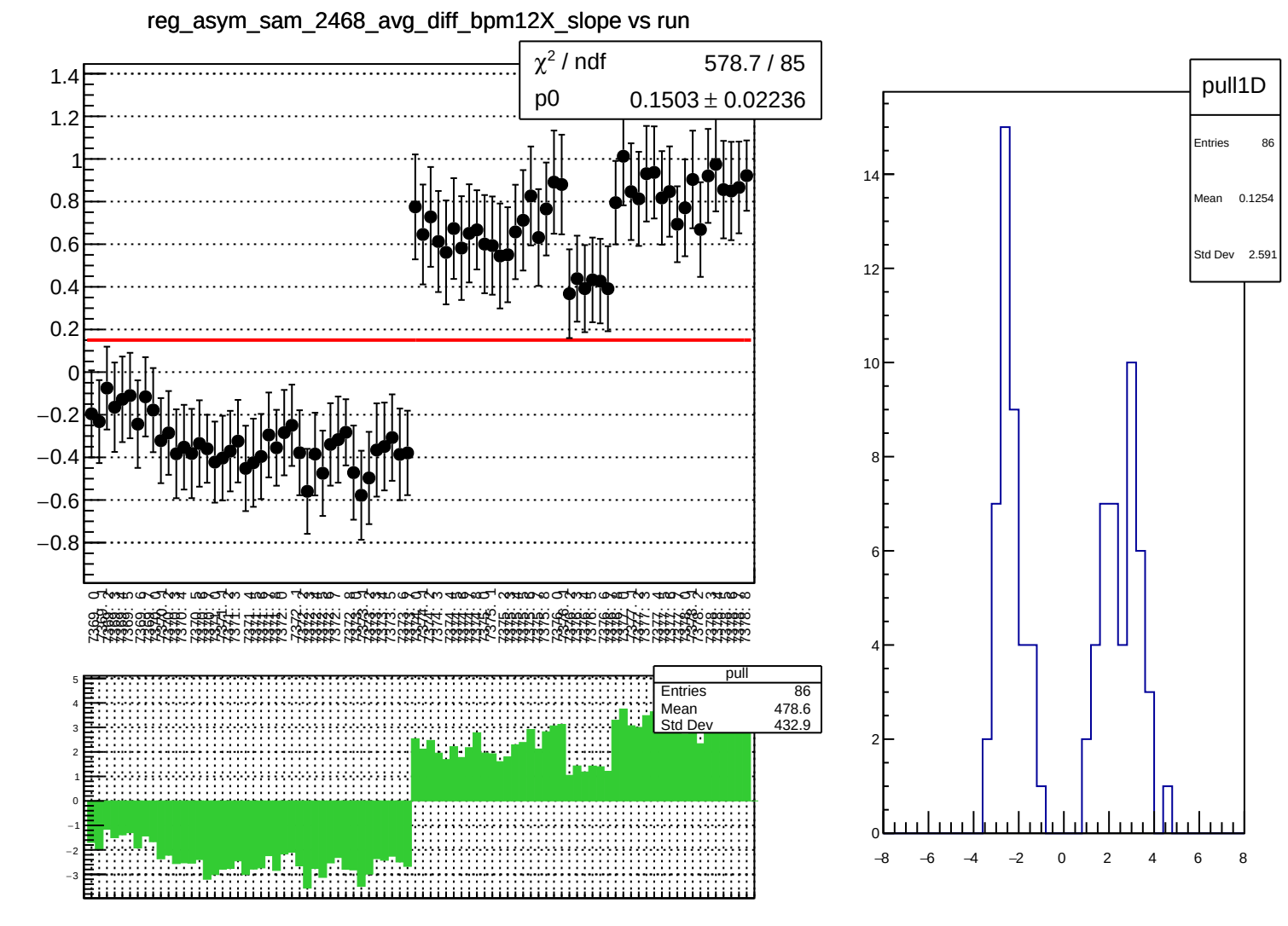

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 697.9 / 85
p0 0.1717 ± 0.01208
pull
Entries 86
Mean 451.2
Std Dev 405.5
pull1D
Entries 86
Mean 0.1477
Std Dev 2.845

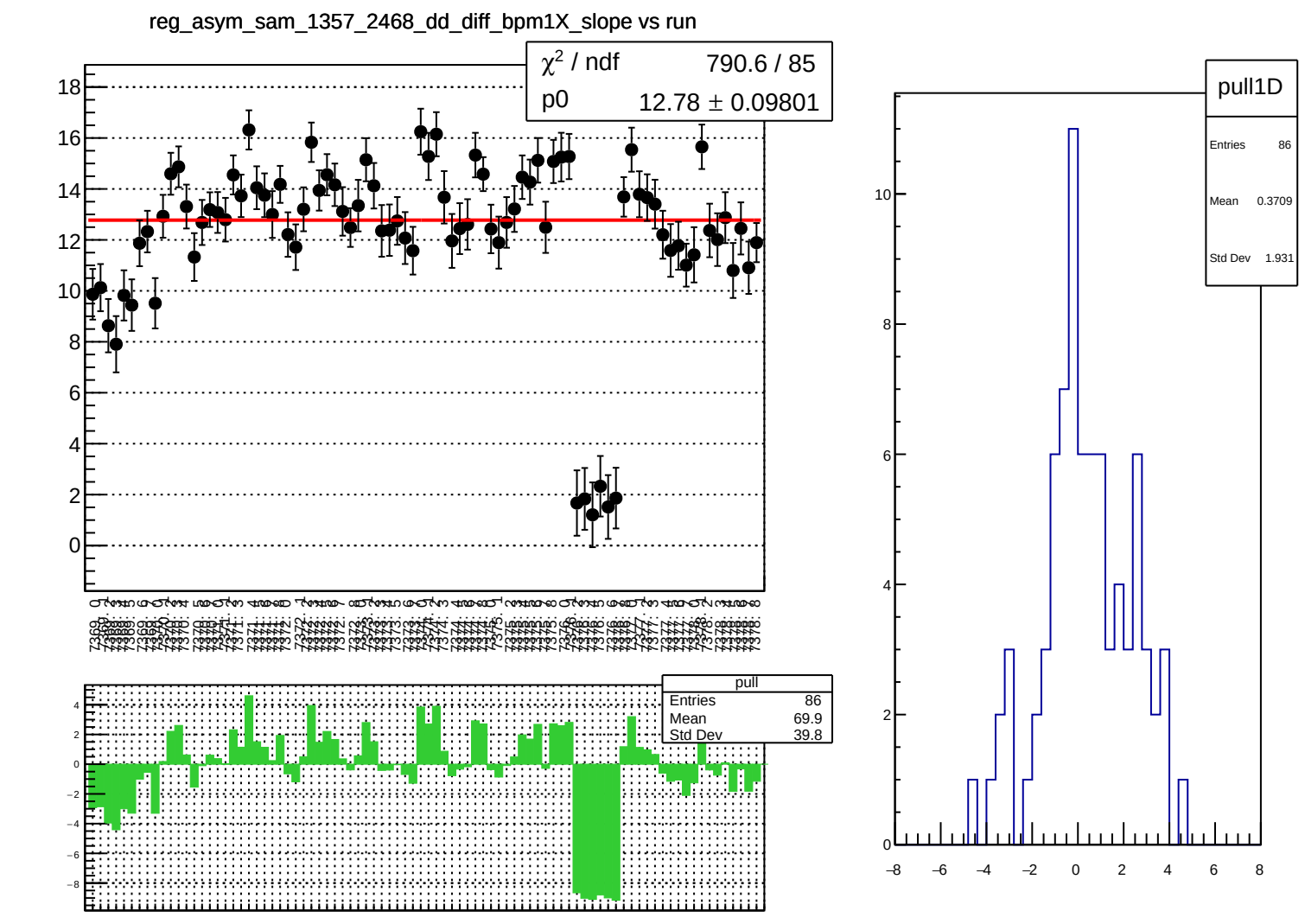

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 900.1 / 85
p0 −51.78 ± 0.4128
pull
Entries 86
Mean 69.47
Std Dev 40.98
pull1D
Entries 86
Mean −0.4077
Std Dev 2.05

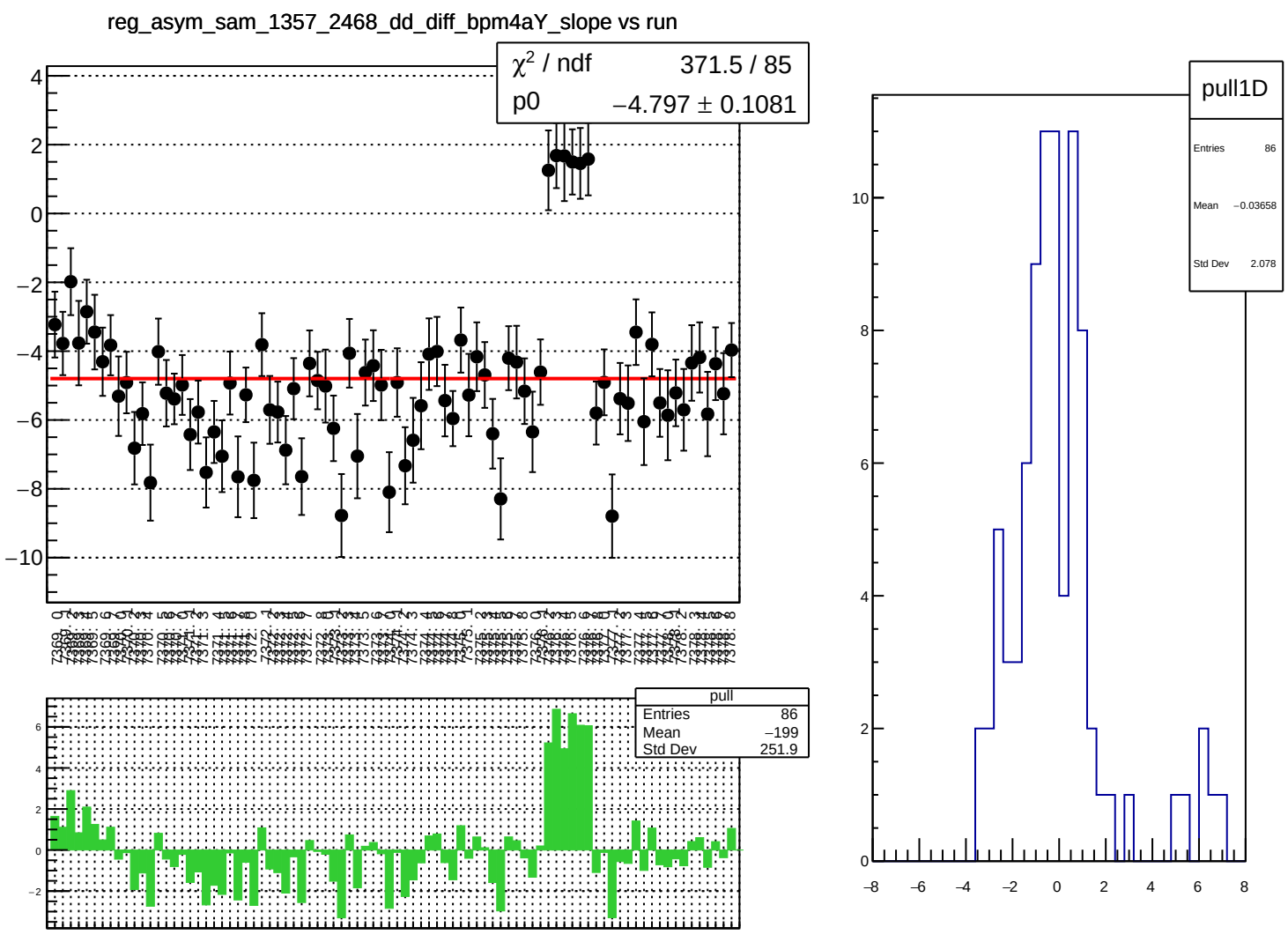

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 437.9 / 85
p0 25.46 ± 0.4553
pull
Entries 86
Mean −242.9
Std Dev 295.1
pull1D
Entries 86
Mean 0.03724
Std Dev 2.256

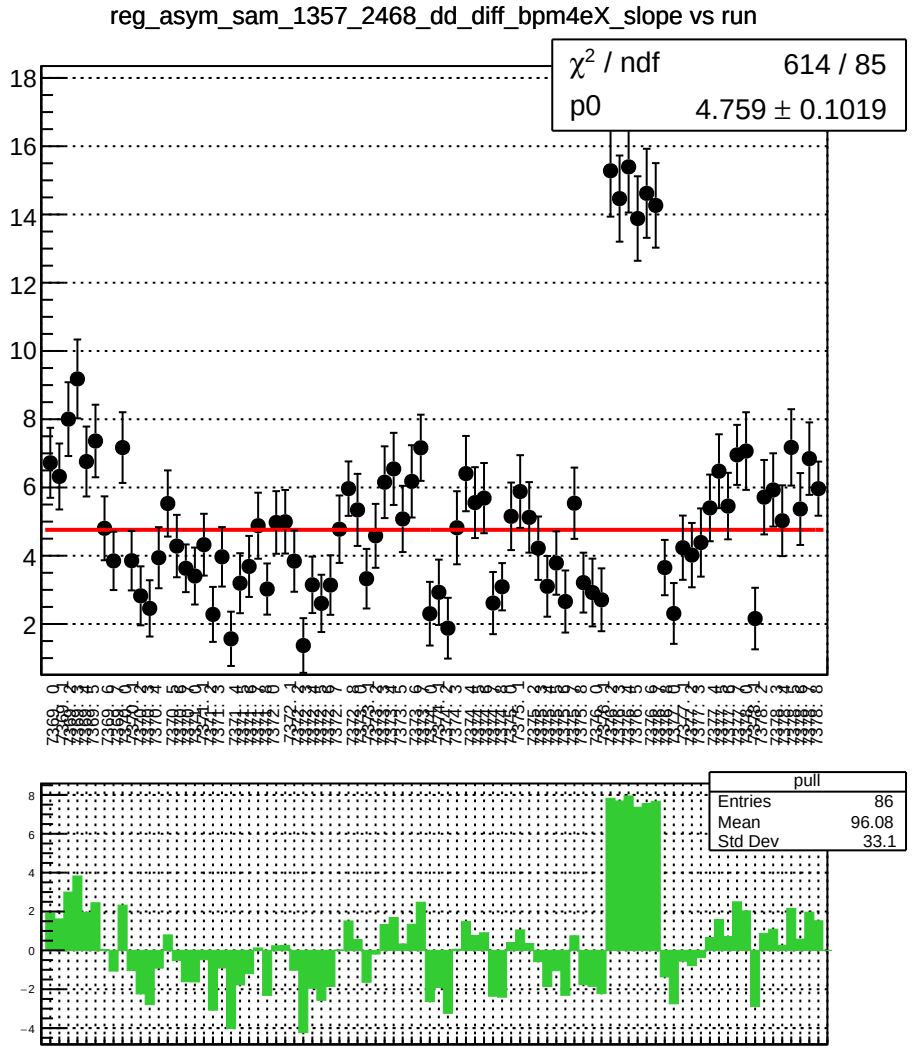

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 706 / 85
p0 −15.12 ± 0.4292
pull
Entries 86
Mean 94.19
Std Dev 29.08
pull1D
Entries 86
Mean 0.3132
Std Dev 1.891

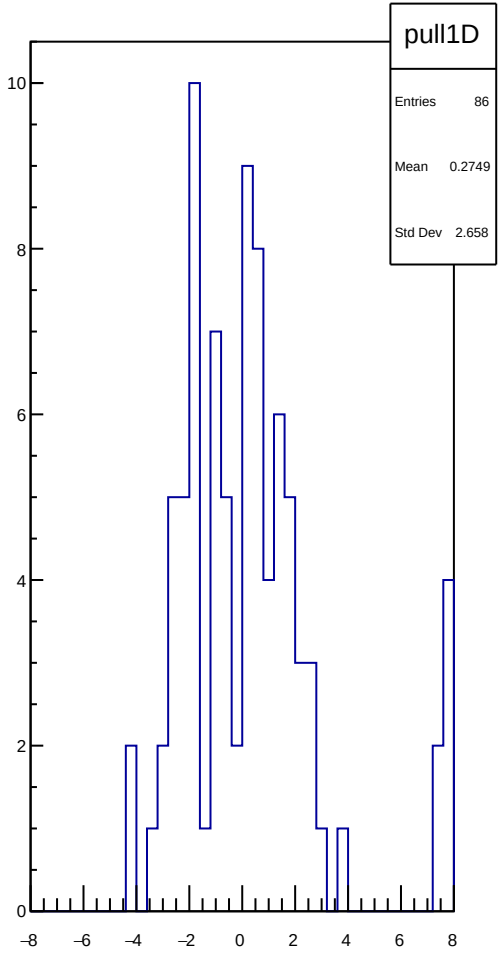

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 337.2 / 85
p0 20.85 ± 0.4872
pull
Entries 86
Mean 1574
Std Dev 1530
pull1D
Entries 86
Mean 0.01376
Std Dev 1.98

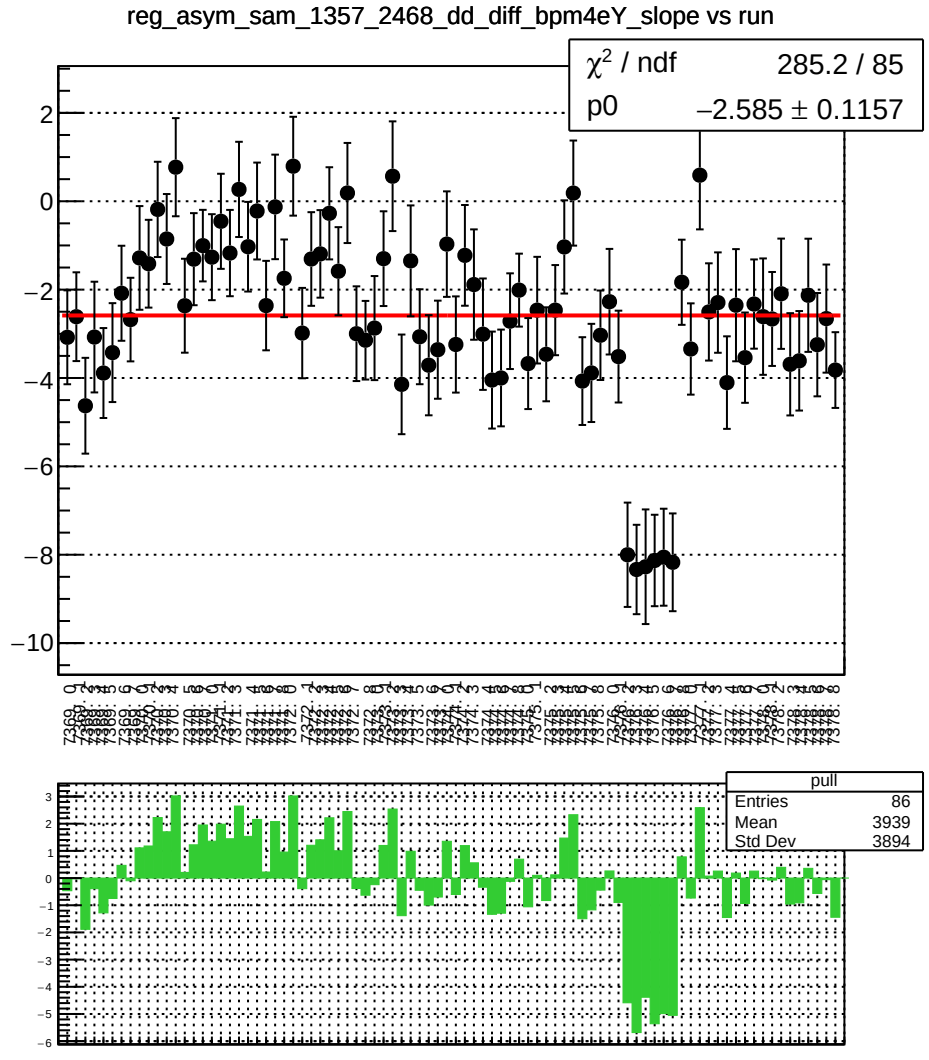

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 578.7 / 85
p0 0.1503 ± 0.02236
pull
Entries 86
Mean 478.6
Std Dev 432.9
pull1D
Entries 86
Mean 0.1254
Std Dev 2.591

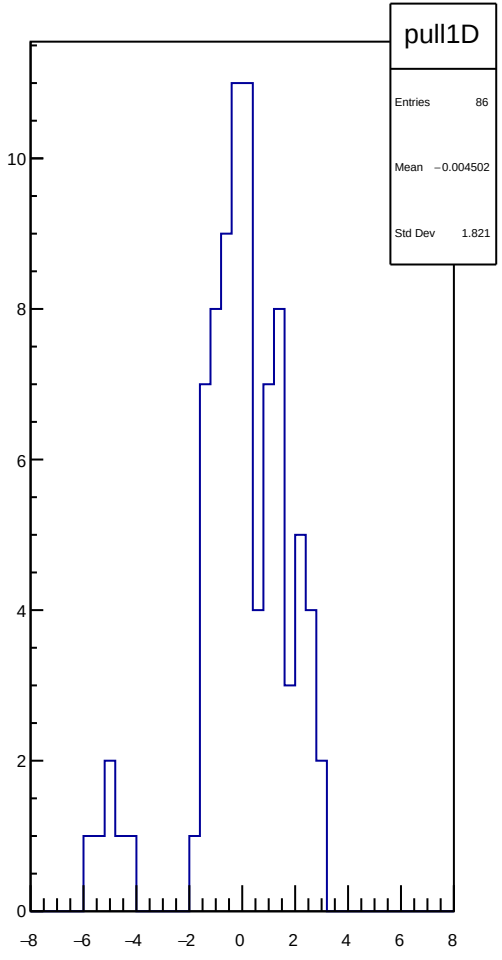

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 790.6 / 85
p0 12.78 ± 0.09801
pull
Entries 86
Mean 69.9
Std Dev 39.8
pull1D
Entries 86
Mean 0.3709
Std Dev 1.931

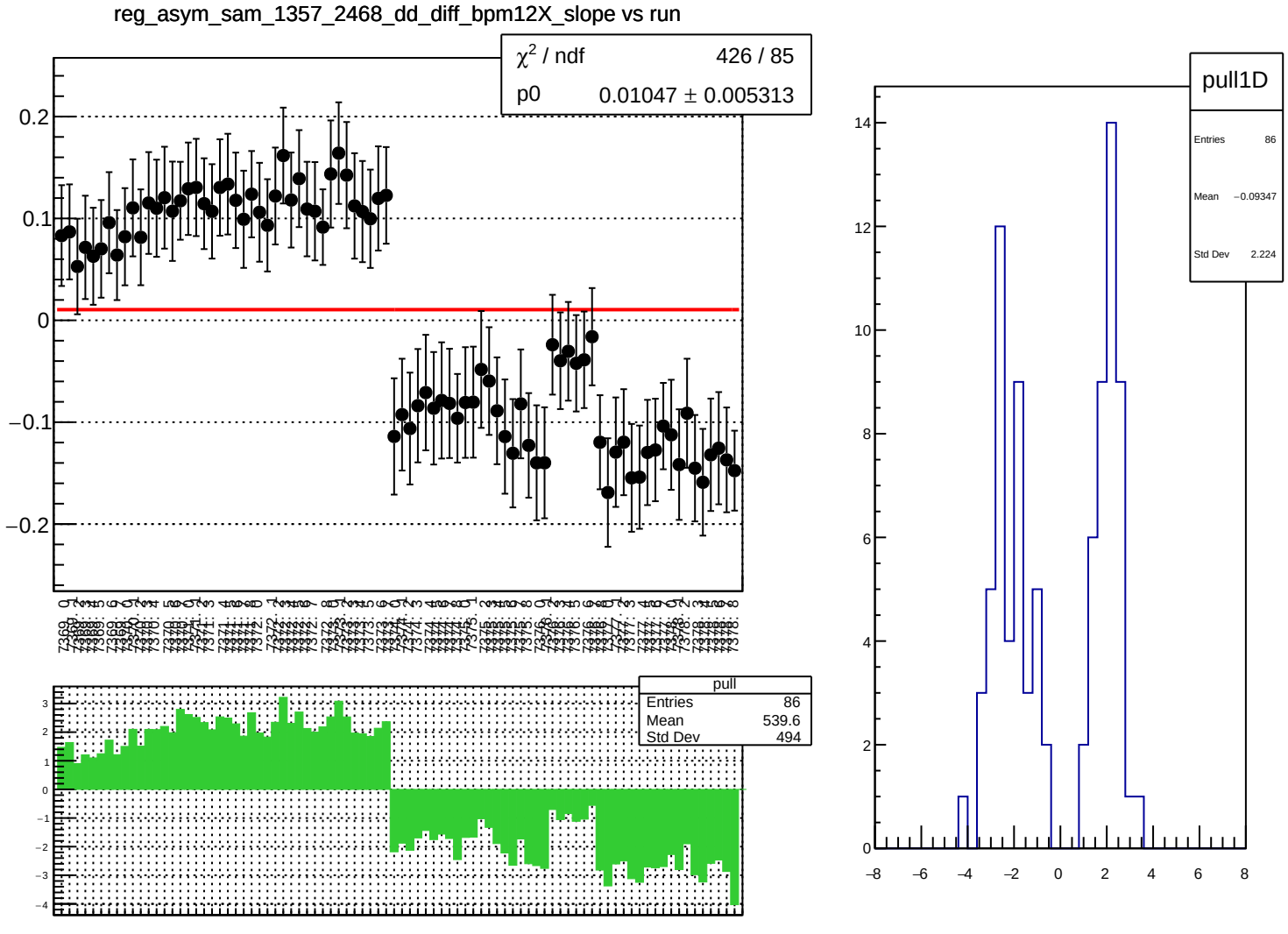

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 371.5 / 85
p0 −4.797 ± 0.1081
pull
Entries 86
Mean −199
Std Dev 251.9
pull1D
Entries 86
Mean −0.03658
Std Dev 2.078

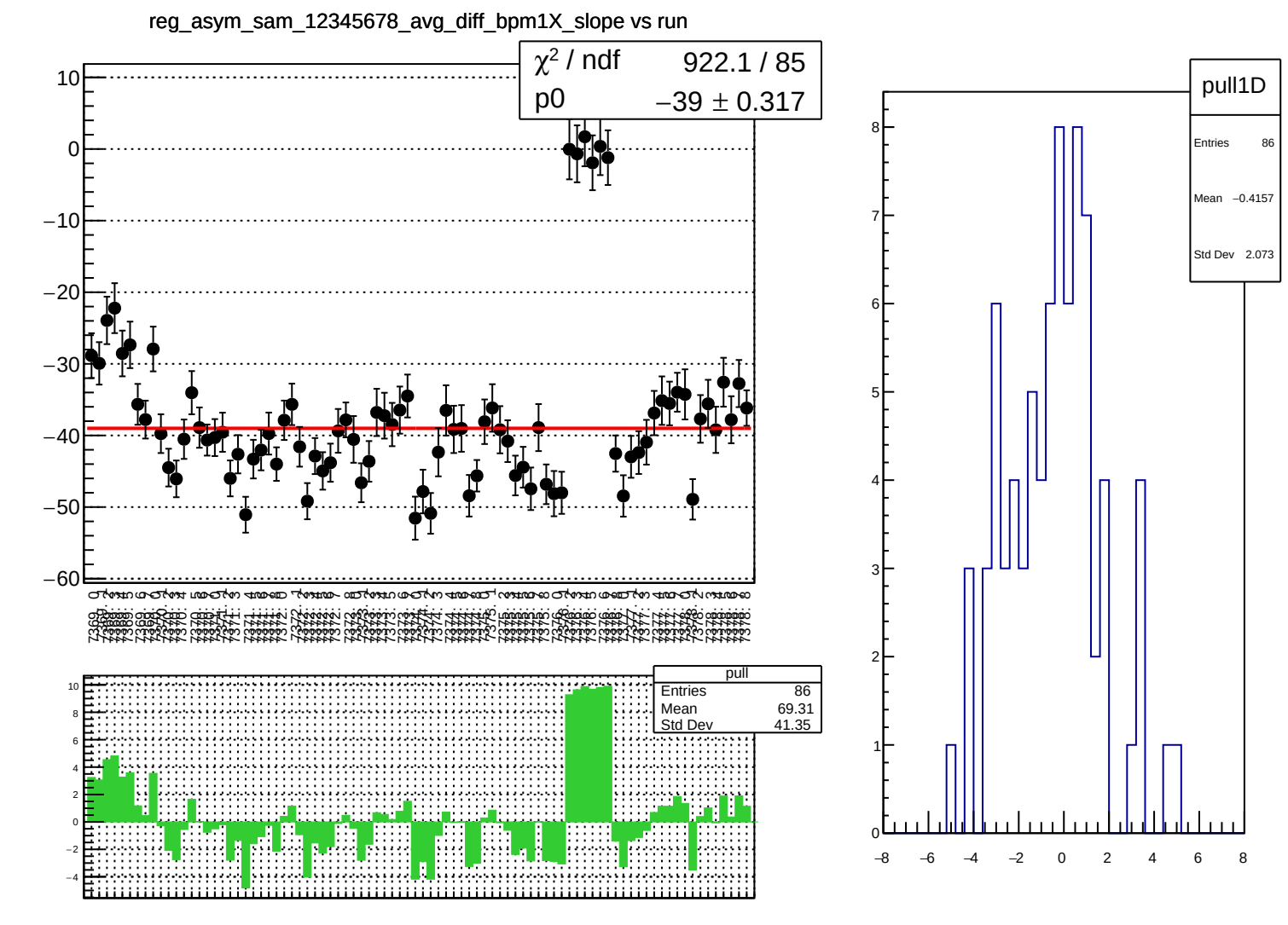

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 614 / 85
p0 4.759 ± 0.1019
pull
Entries 86
Mean 96.08
Std Dev 33.1

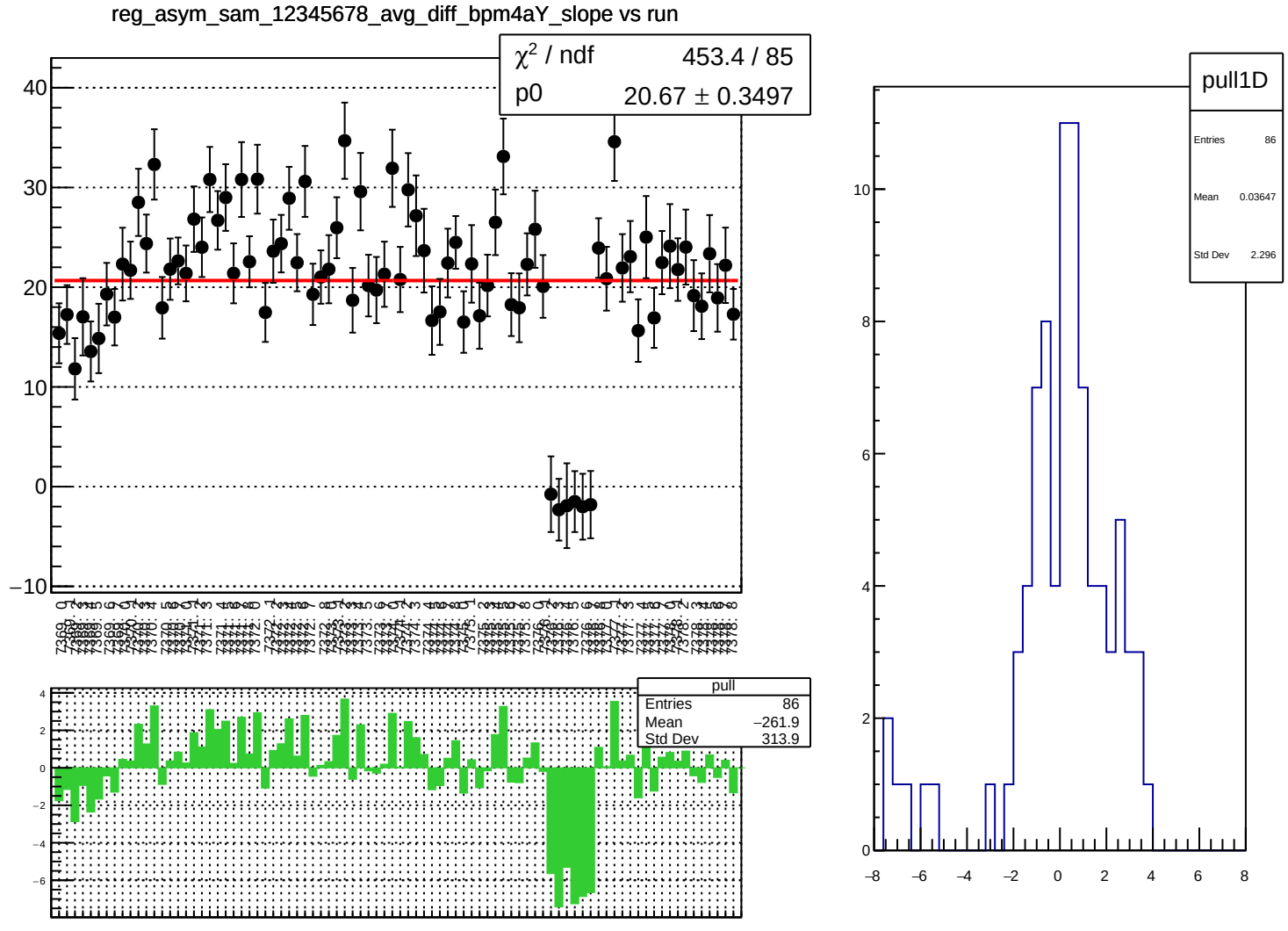

pull1D
Entries 86
Mean 0.2749
Std Dev 2.658

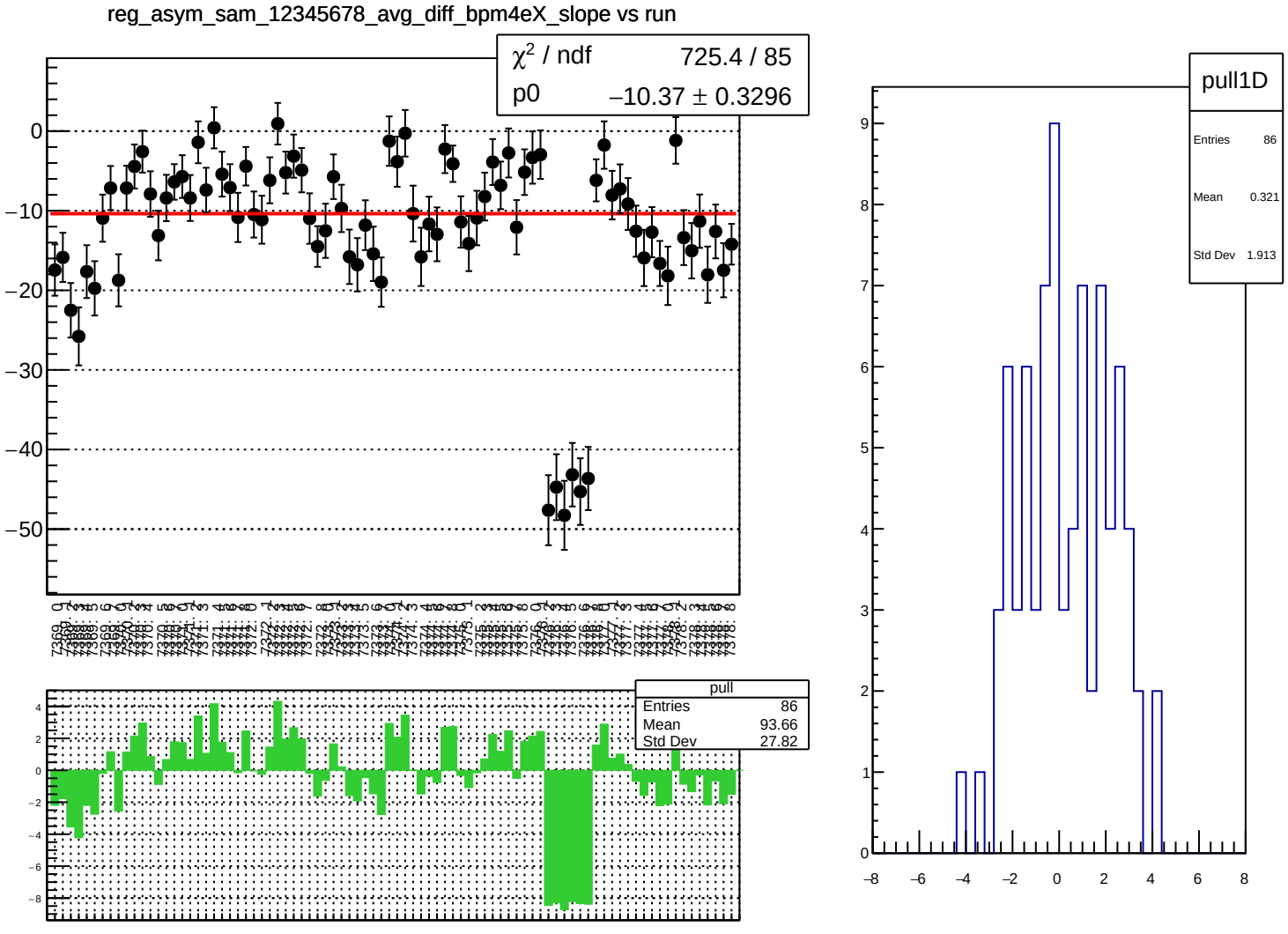

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 285.2 / 85
p0 −2.585 ± 0.1157
pull
Entries 86
Mean 3939
Std Dev 3894

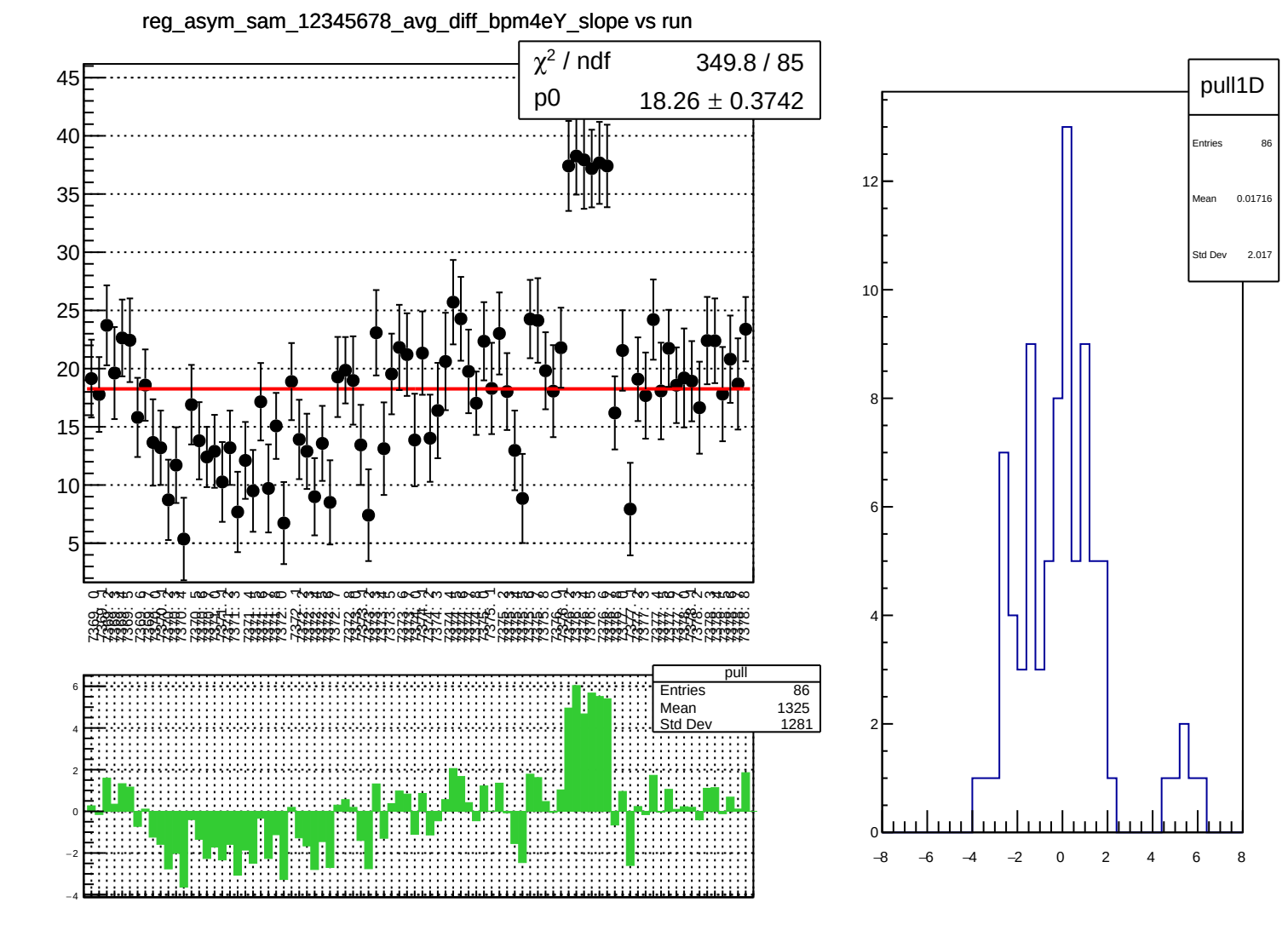

pull1D
Entries 86
Mean −0.004502
Std Dev 1.821

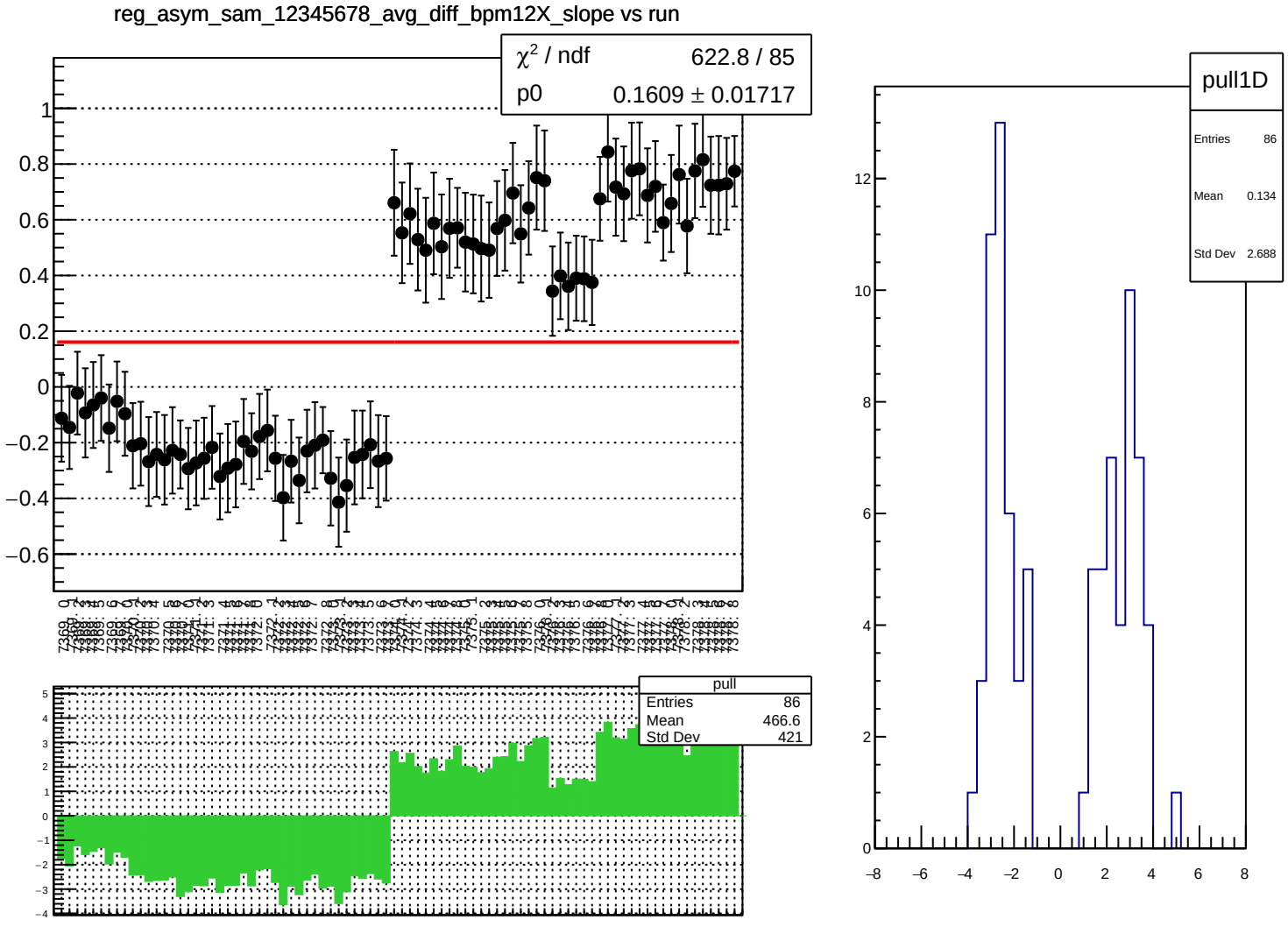

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 426 / 85
p0 0.01047 ± 0.005313
pull
Entries 86
Mean 539.6
Std Dev 494
pull1D
Entries 86
Mean −0.09347
Std Dev 2.224

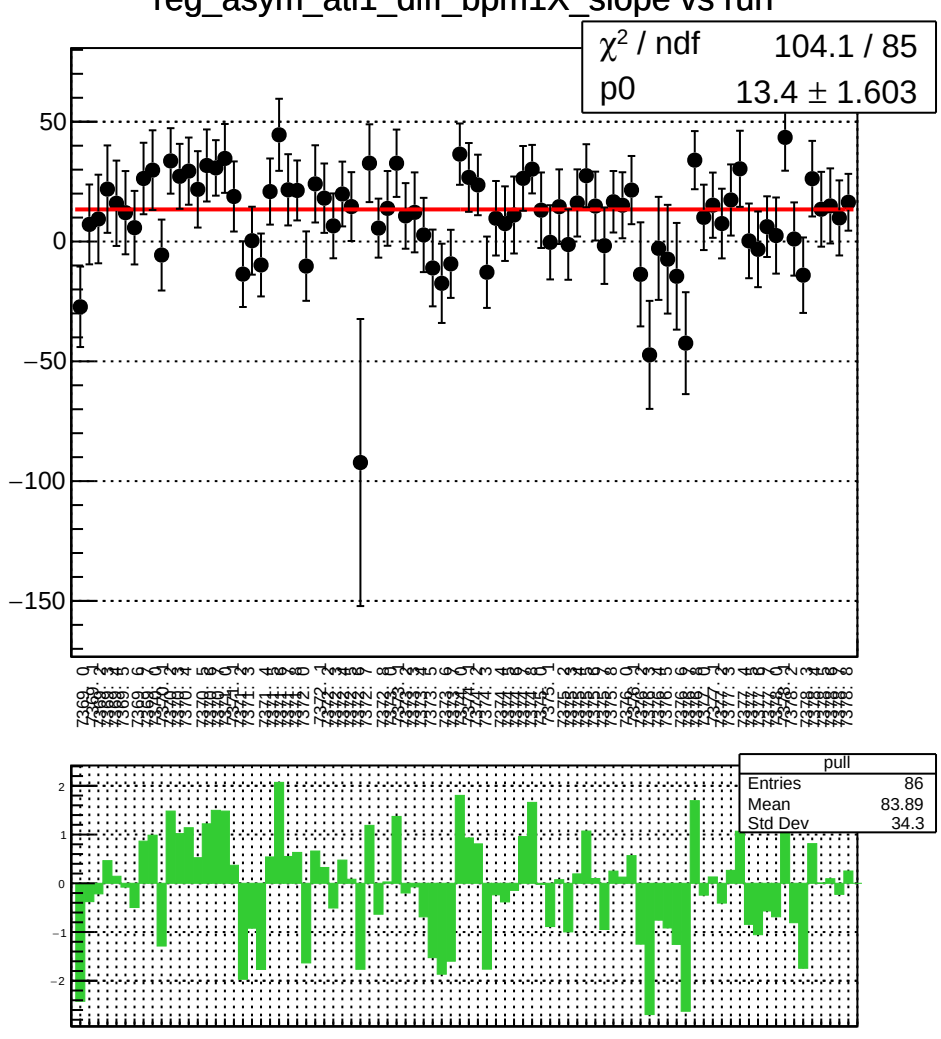

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 922.1 / 85
p0 −39 ± 0.317
pull
Entries 86
Mean 69.31
Std Dev 41.35
pull1D
Entries 86
Mean −0.4157
Std Dev 2.073

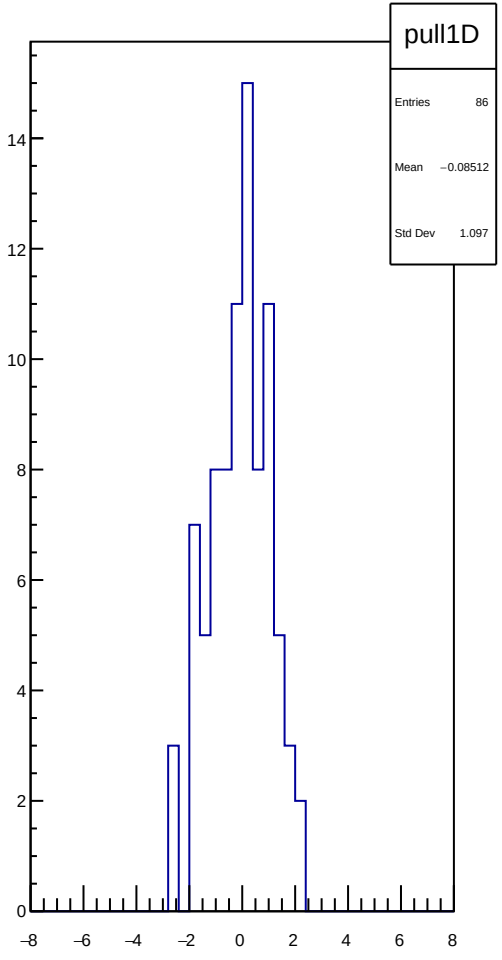

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 453.4 / 85
p0 20.67 ± 0.3497
pull
Entries 86
Mean −261.9
Std Dev 313.9
pull1D
Entries 86
Mean 0.03647
Std Dev 2.296

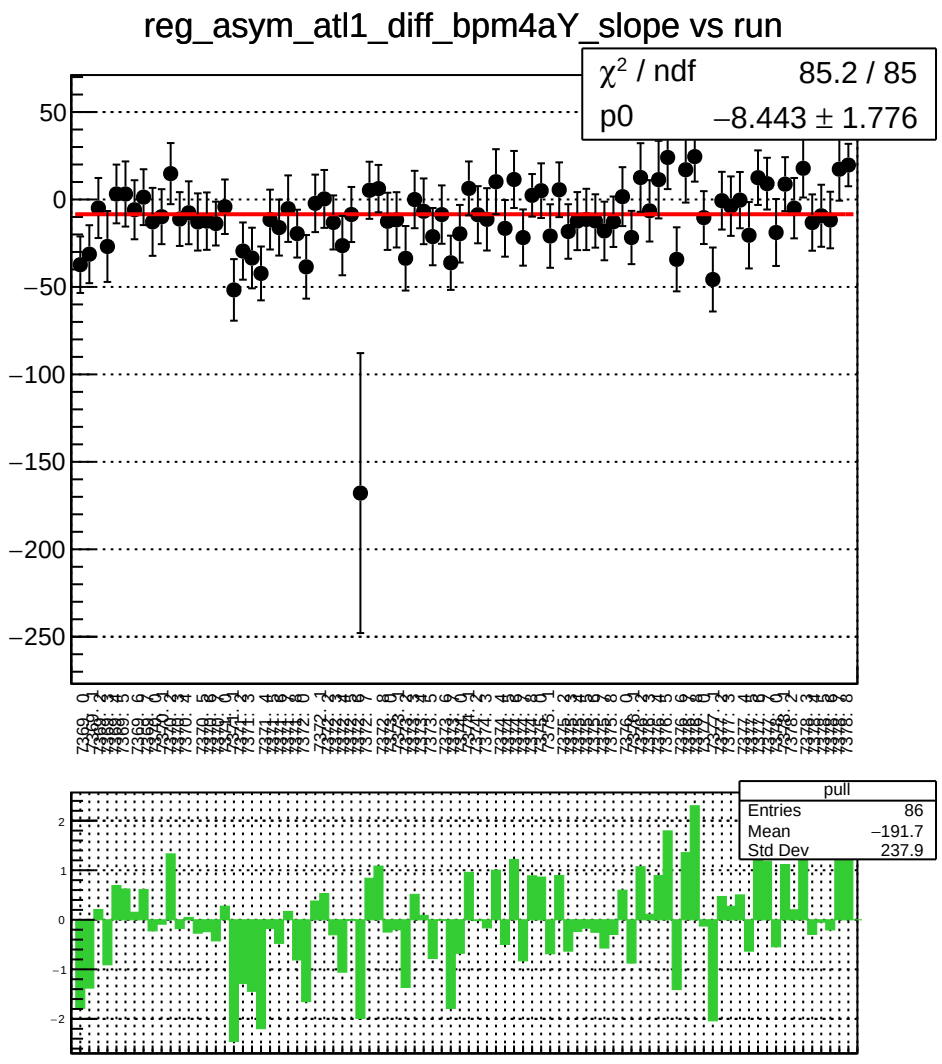

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 725.4 / 85
p0 −10.37 ± 0.3296
pull
Entries 86
Mean 93.66
Std Dev 27.82
pull1D
Entries 86
Mean 0.321
Std Dev 1.913

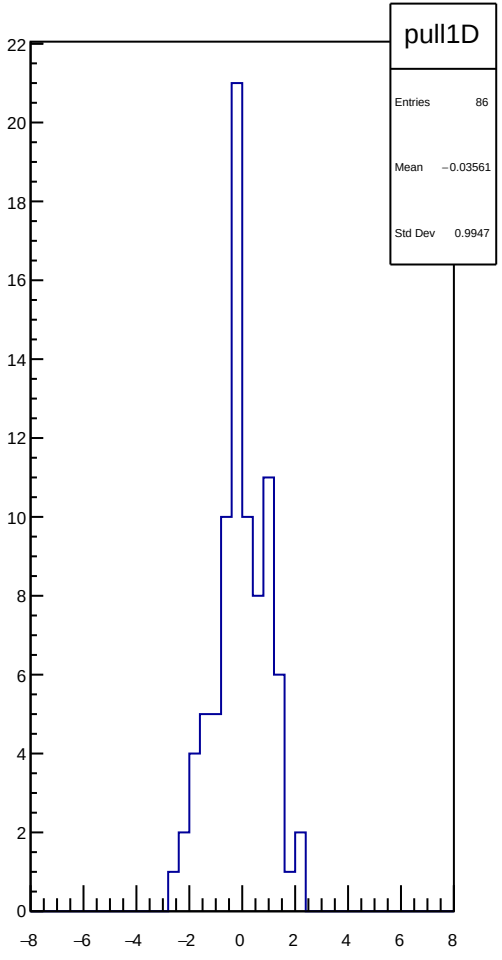

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 349.8 / 85
p0 18.26 ± 0.3742
pull
Entries 86
Mean 1325
Std Dev 1281
pull1D
Entries 86
Mean 0.01716
Std Dev 2.017

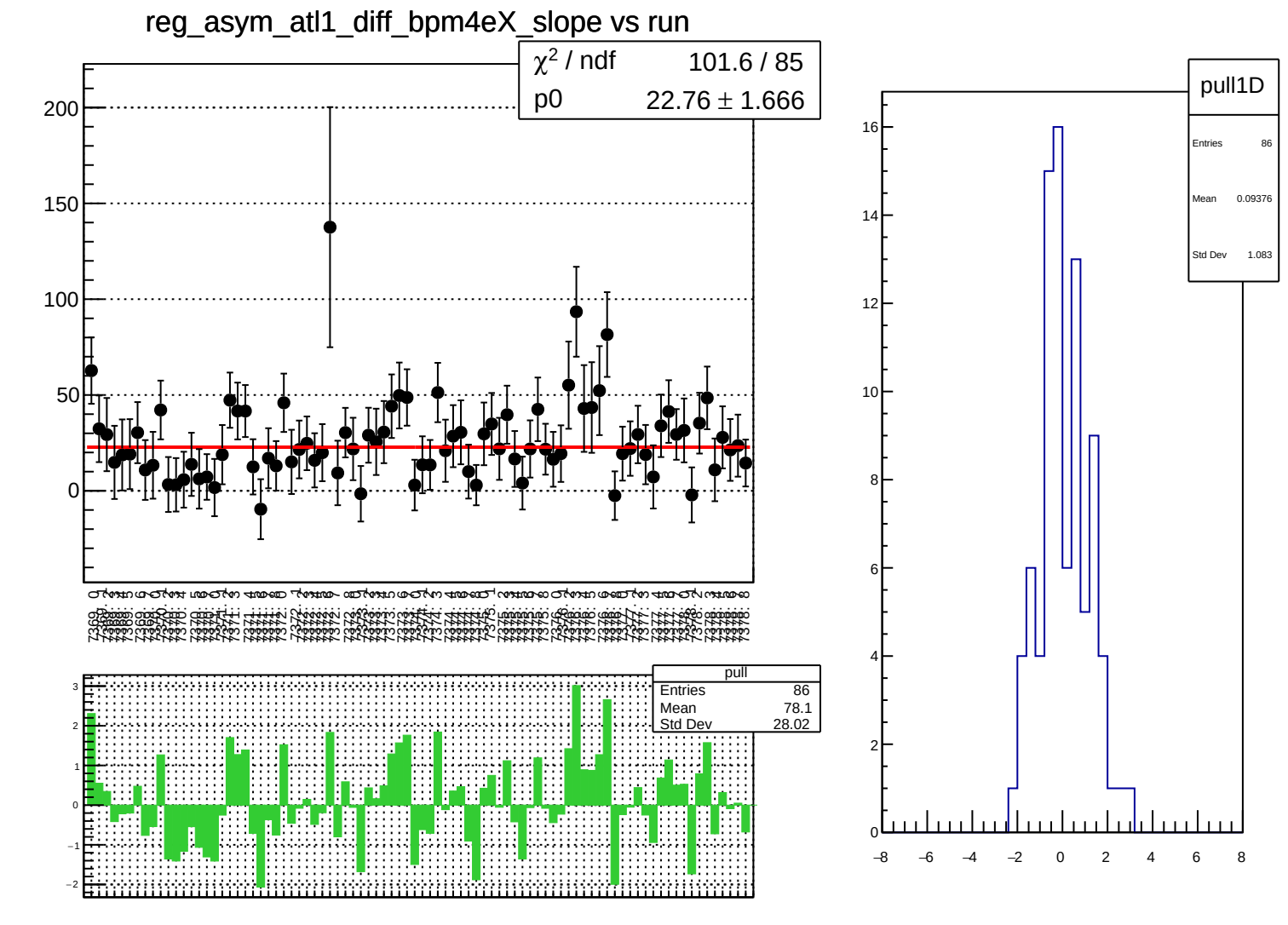

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 622.8 / 85
p0 0.1609 ± 0.01717
pull
Entries 86
Mean 466.6
Std Dev 421
pull1D
Entries 86
Mean 0.134
Std Dev 2.688

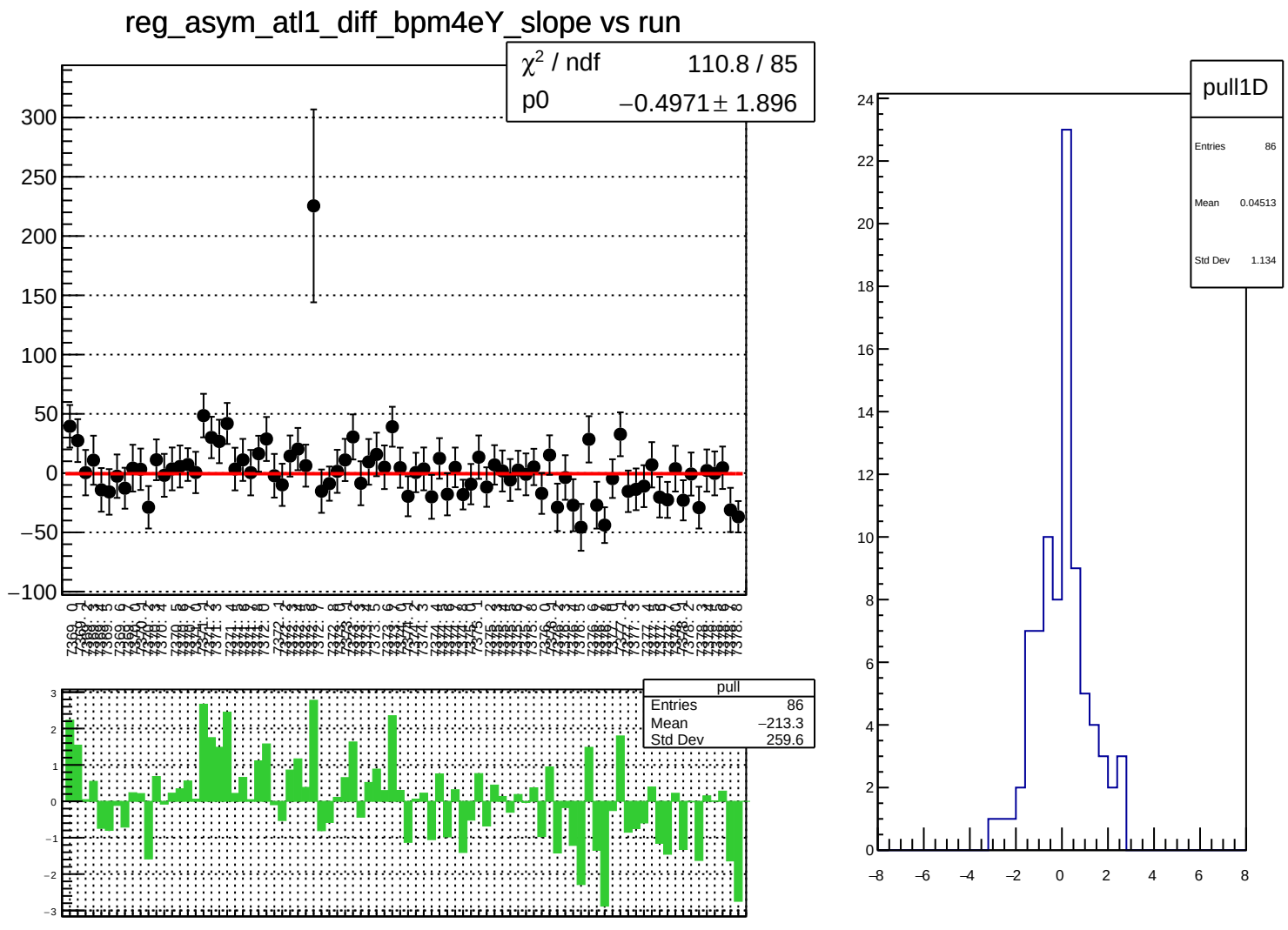

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 104.1 / 85
p0 13.4 ± 1.603
pull
Entries 86
Mean 83.89
Std Dev 34.3

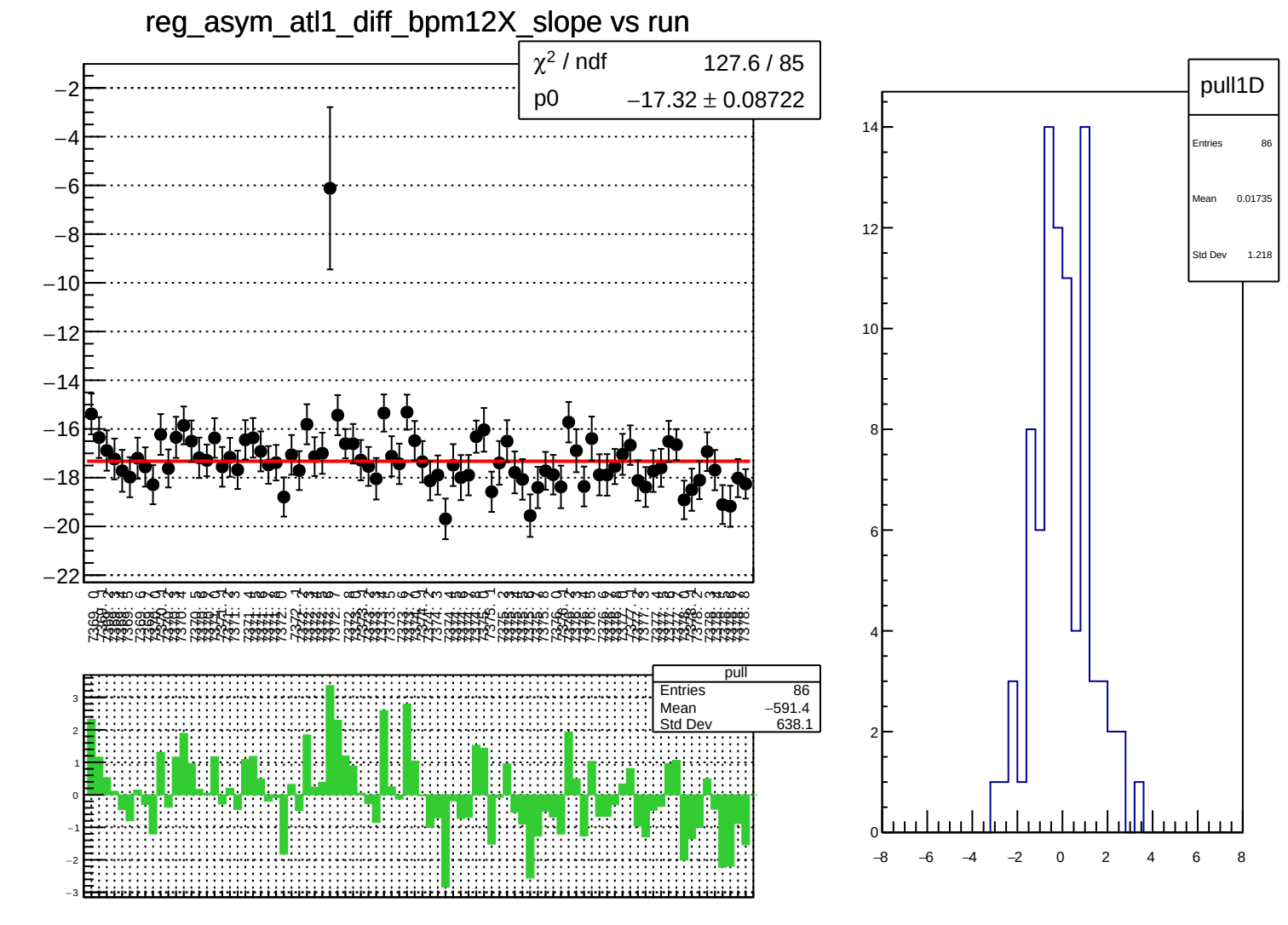

pull1D
Entries 86
Mean −0.08512
Std Dev 1.097

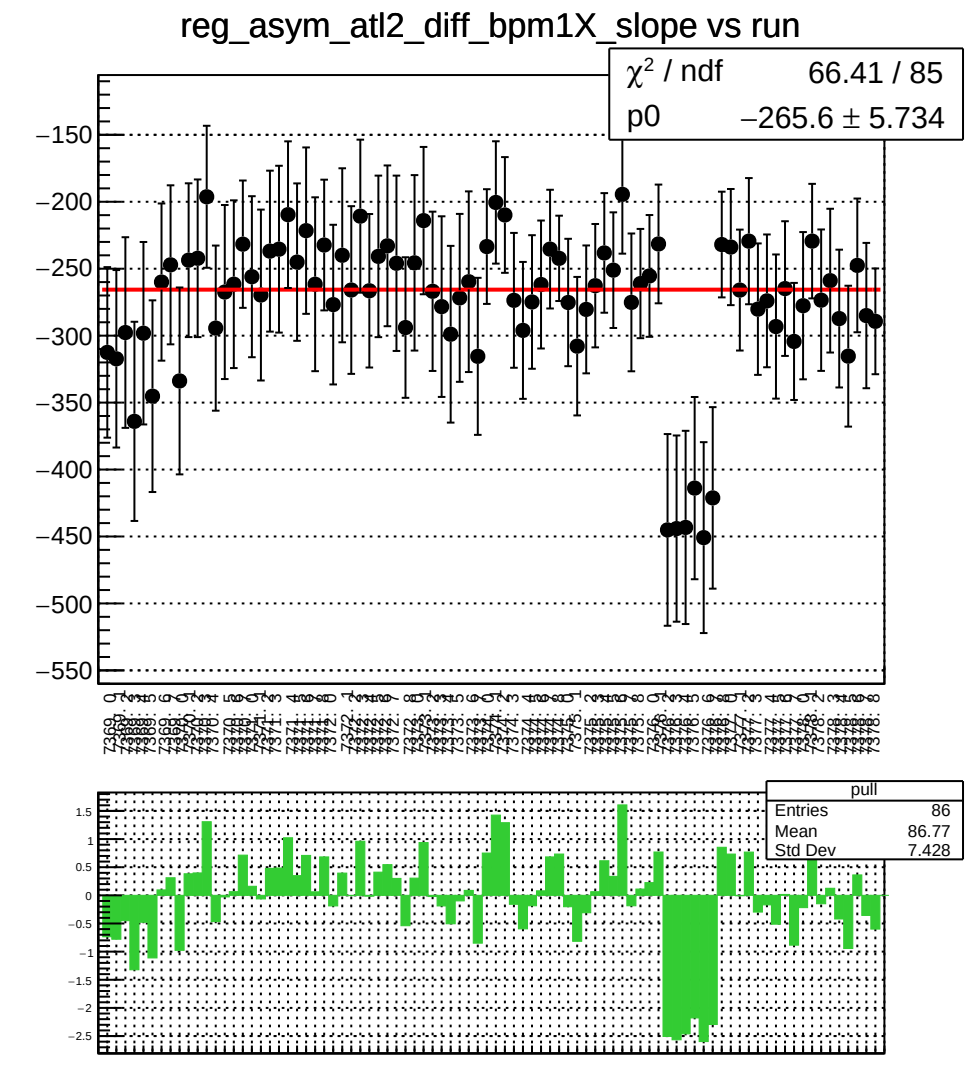

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 85.2 / 85
p0 −8.443 ± 1.776
pull
Entries 86
Mean −191.7
Std Dev 237.9

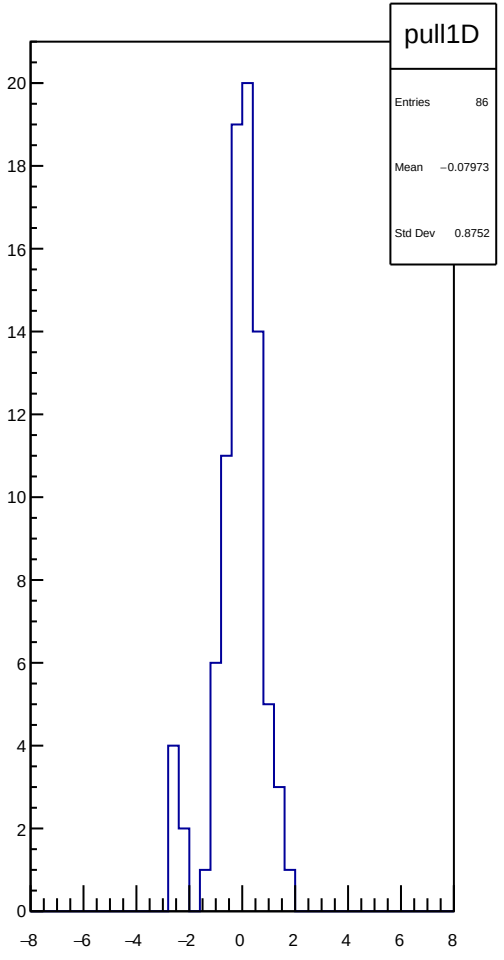

pull1D
Entries 86
Mean −0.03561
Std Dev 0.9947

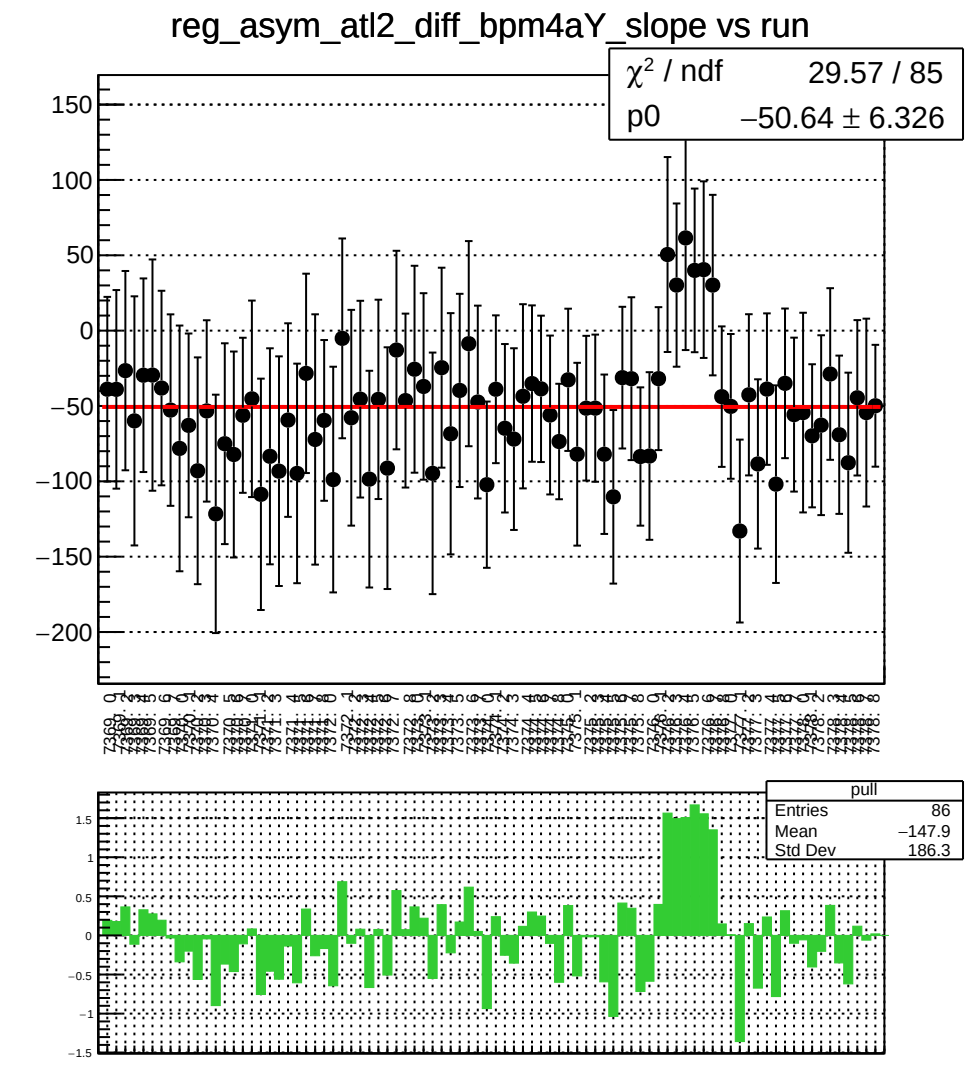

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 101.6 / 85
p0 22.76 ± 1.666
200
150
100
50
0
pull
Entries 86
Mean 78.1
Std Dev 28.02
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.09376
Std Dev 1.083
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

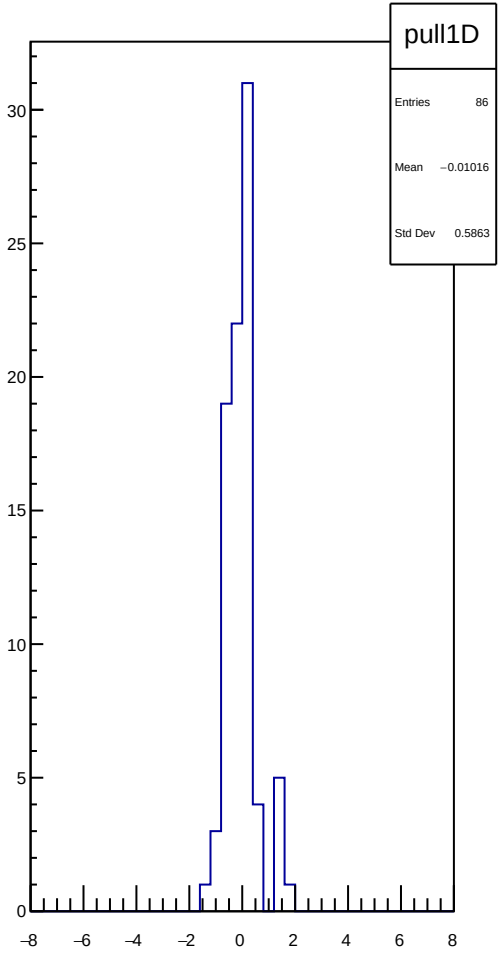

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 110.8 / 85
p0 −0.4971 ± 1.896
pull
Entries 86
Mean −213.3
Std Dev 259.6
pull1D
Entries 86
Mean 0.04513
Std Dev 1.134

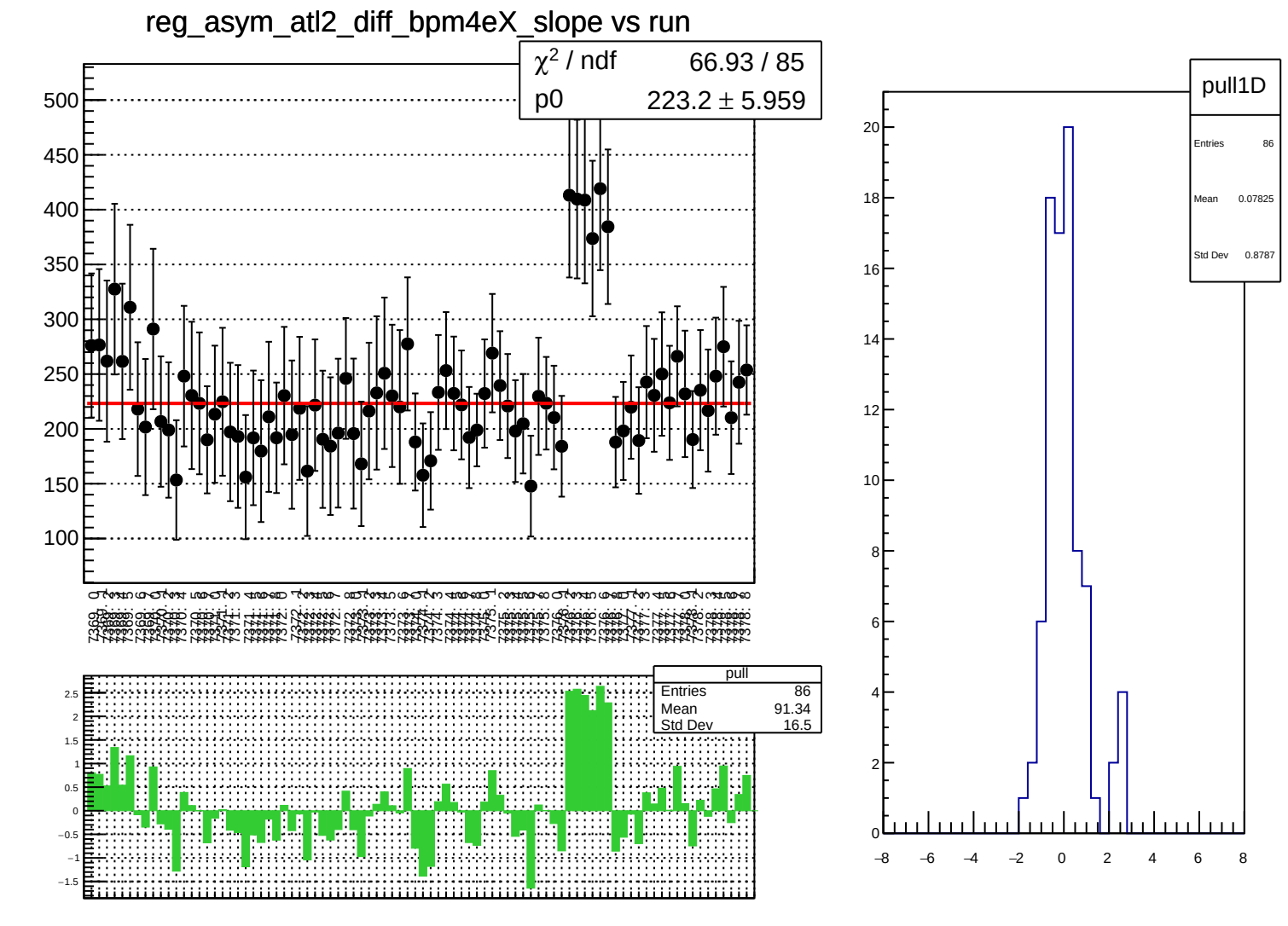

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 127.6 / 85
p0 −17.32 ± 0.08722
pull
Entries 86
Mean −591.4
Std Dev 638.1
pull1D
Entries 86
Mean 0.01735
Std Dev 1.218

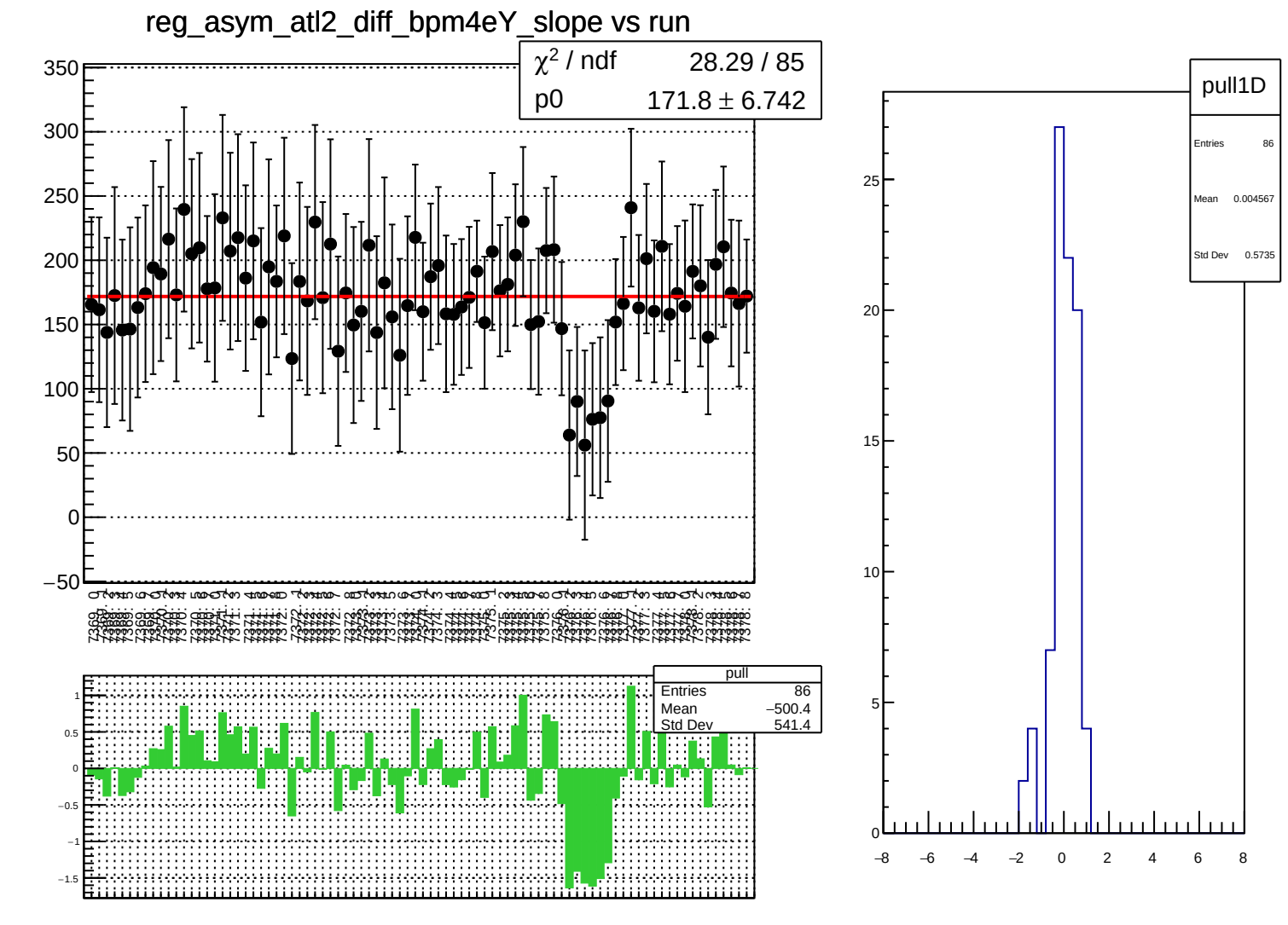

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 66.41 / 85
p0 −265.6 ± 5.734
pull
Entries 86
Mean 86.77
Std Dev 7.428

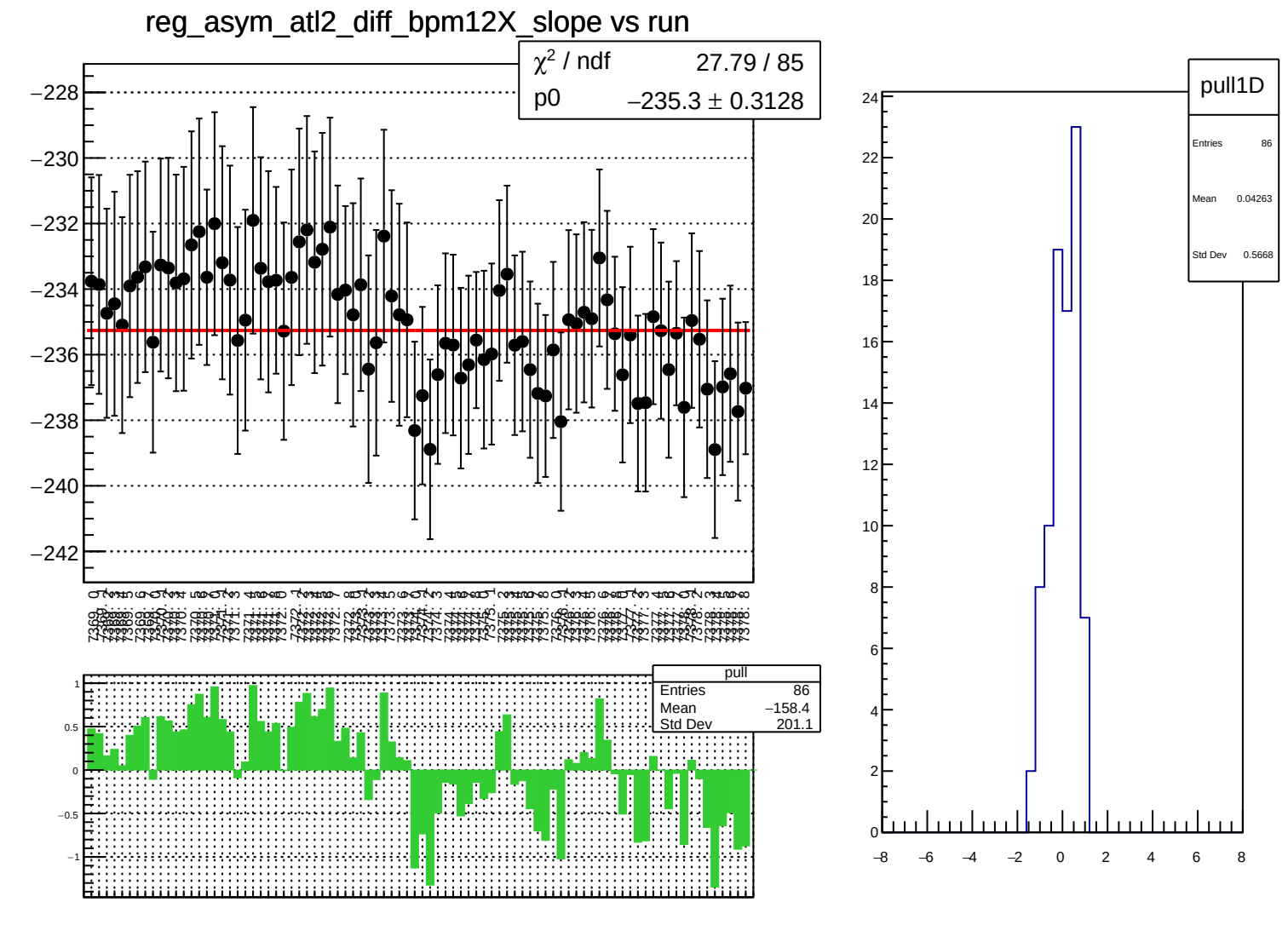

pull1D
Entries 86
Mean −0.07973
Std Dev 0.8752

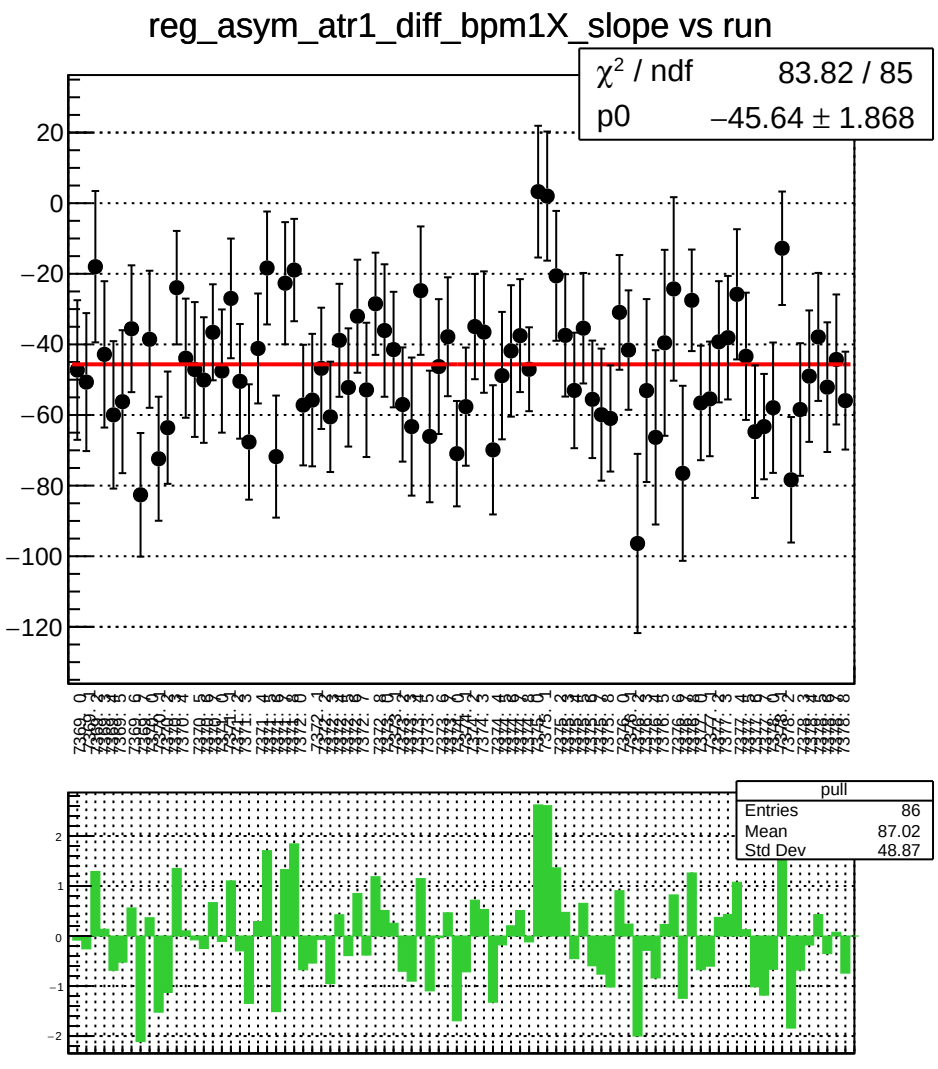

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 29.57 / 85
p0 −50.64 ± 6.326
pull
Entries 86
Mean −147.9
Std Dev 186.3

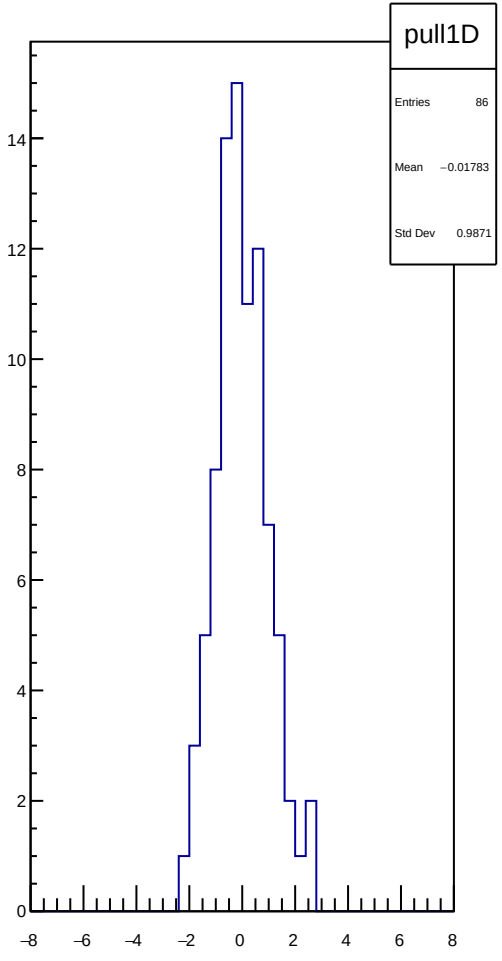

pull1D
Entries 86
Mean −0.01016
Std Dev 0.5863

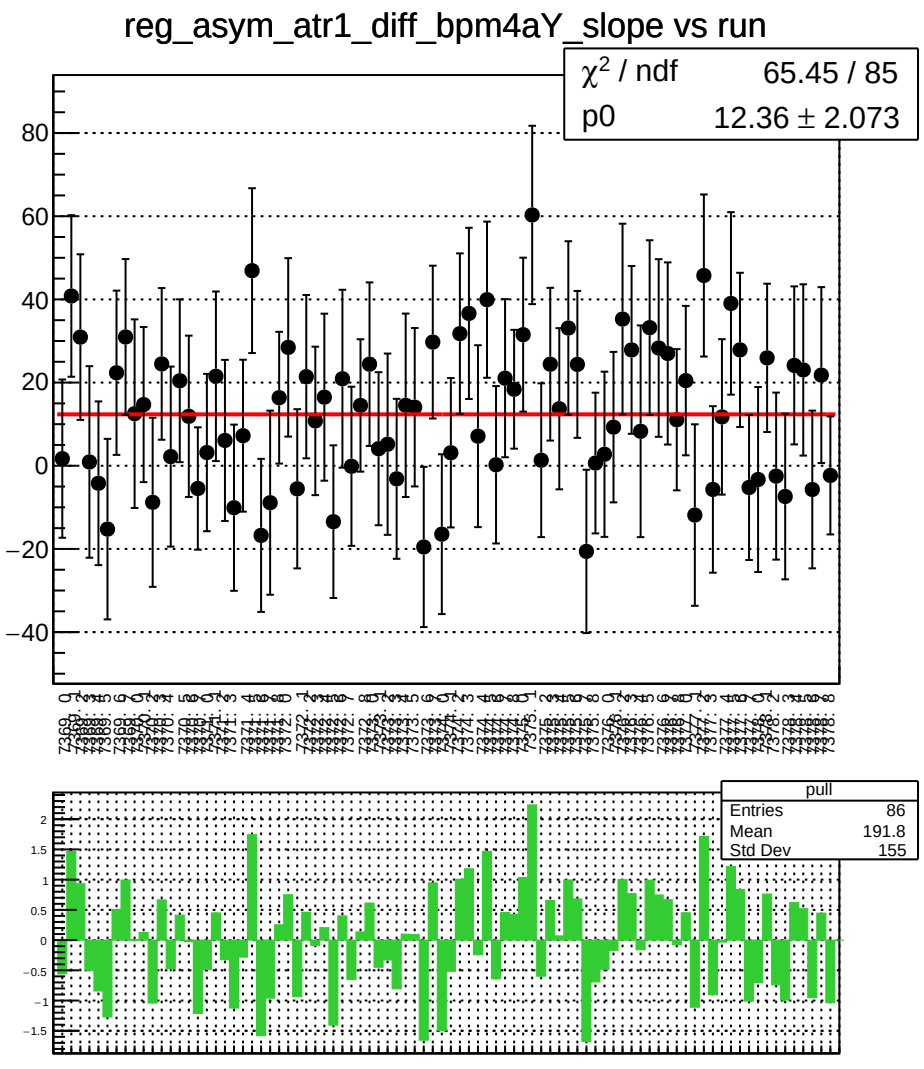

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 66.93 / 85
p0 223.2 ± 5.959
pull
Entries 86
Mean 91.34
Std Dev 16.5
pull1D
Entries 86
Mean 0.07825
Std Dev 0.8787

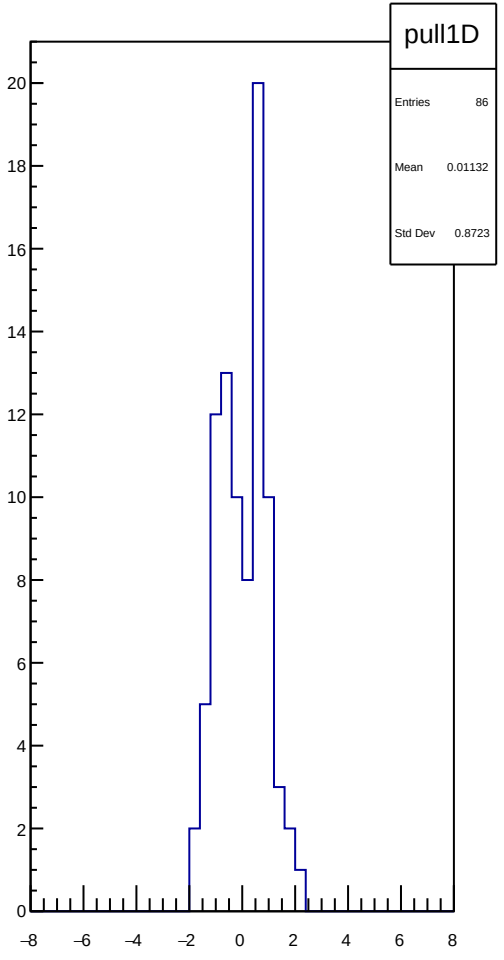

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 28.29 / 85
p0 171.8 ± 6.742
pull
Entries 86
Mean −500.4
Std Dev 541.4
pull1D
Entries 86
Mean 0.004567
Std Dev 0.5735

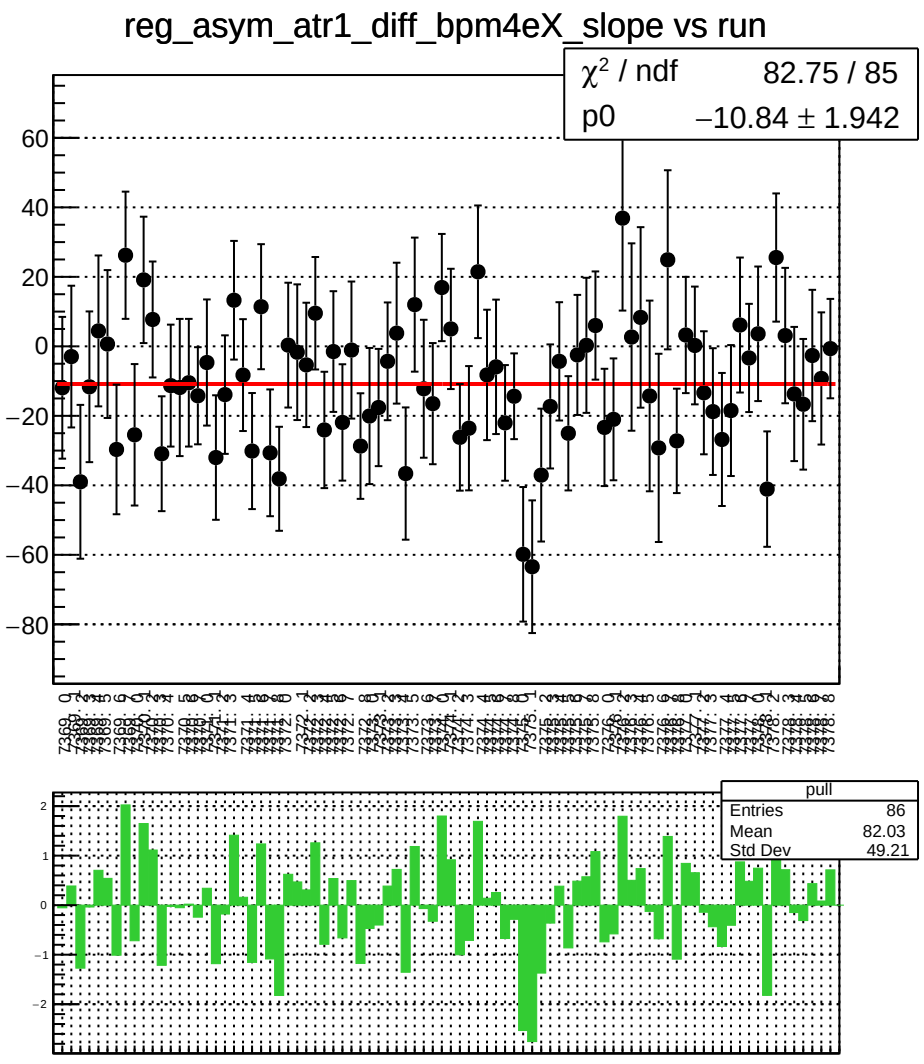

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 27.79 / 85
p0 −235.3 ± 0.3128
pull
Entries 86
Mean −158.4
Std Dev 201.1
pull1D
Entries 86
Mean 0.04263
Std Dev 0.5668

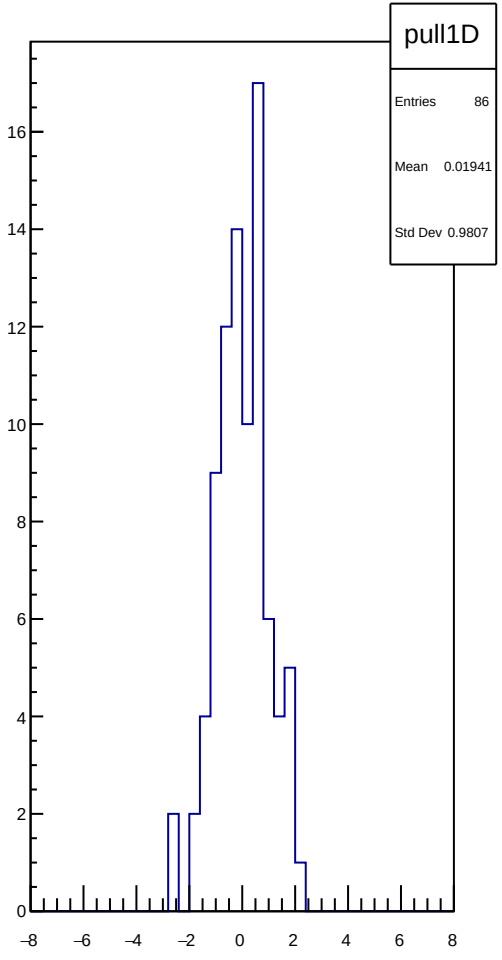

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 83.82 / 85
p0 −45.64 ± 1.868
pull
Entries 86
Mean 87.02
Std Dev 48.87

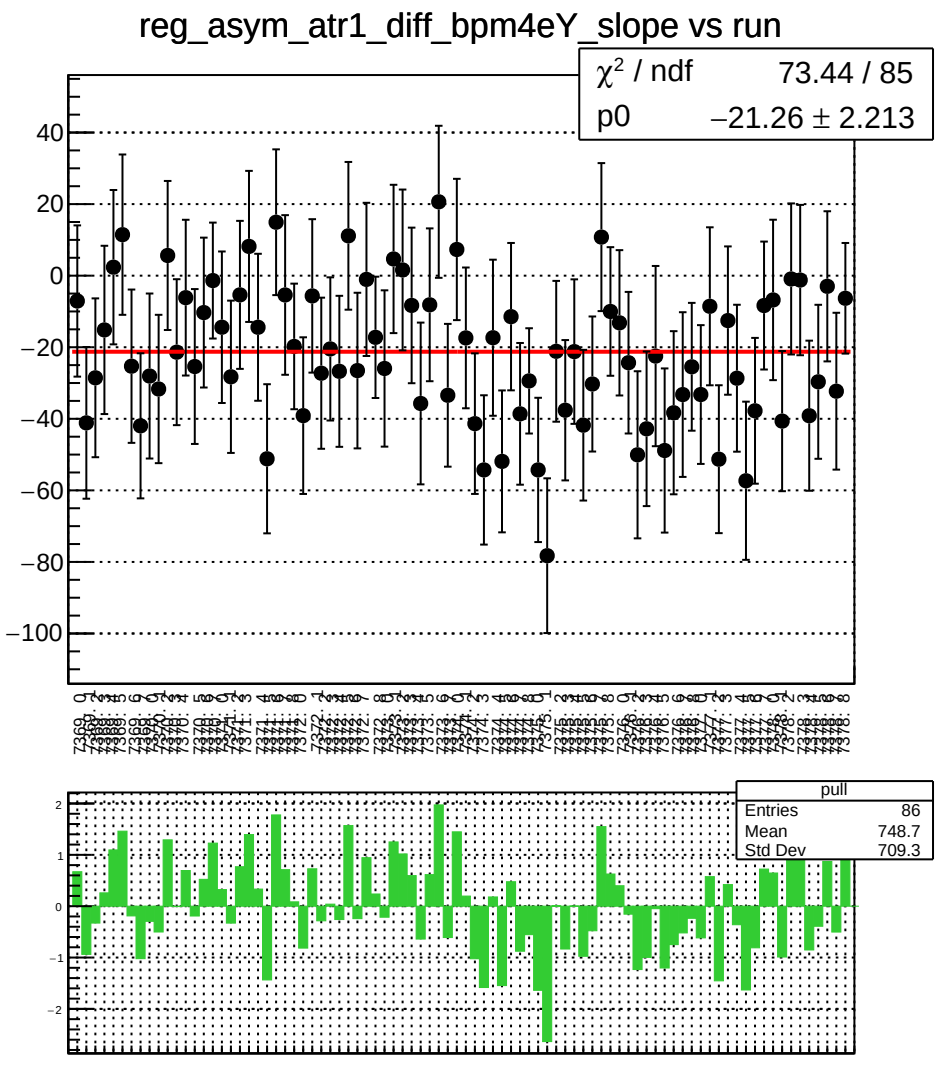

pull1D
Entries 86
Mean −0.01783
Std Dev 0.9871

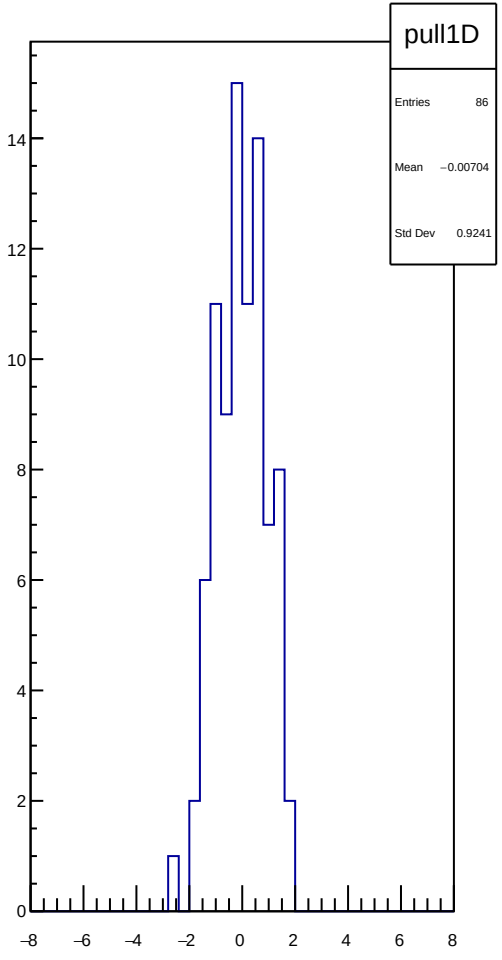

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 65.45 / 85
p0 12.36 ± 2.073
pull
Entries 86
Mean 191.8
Std Dev 155

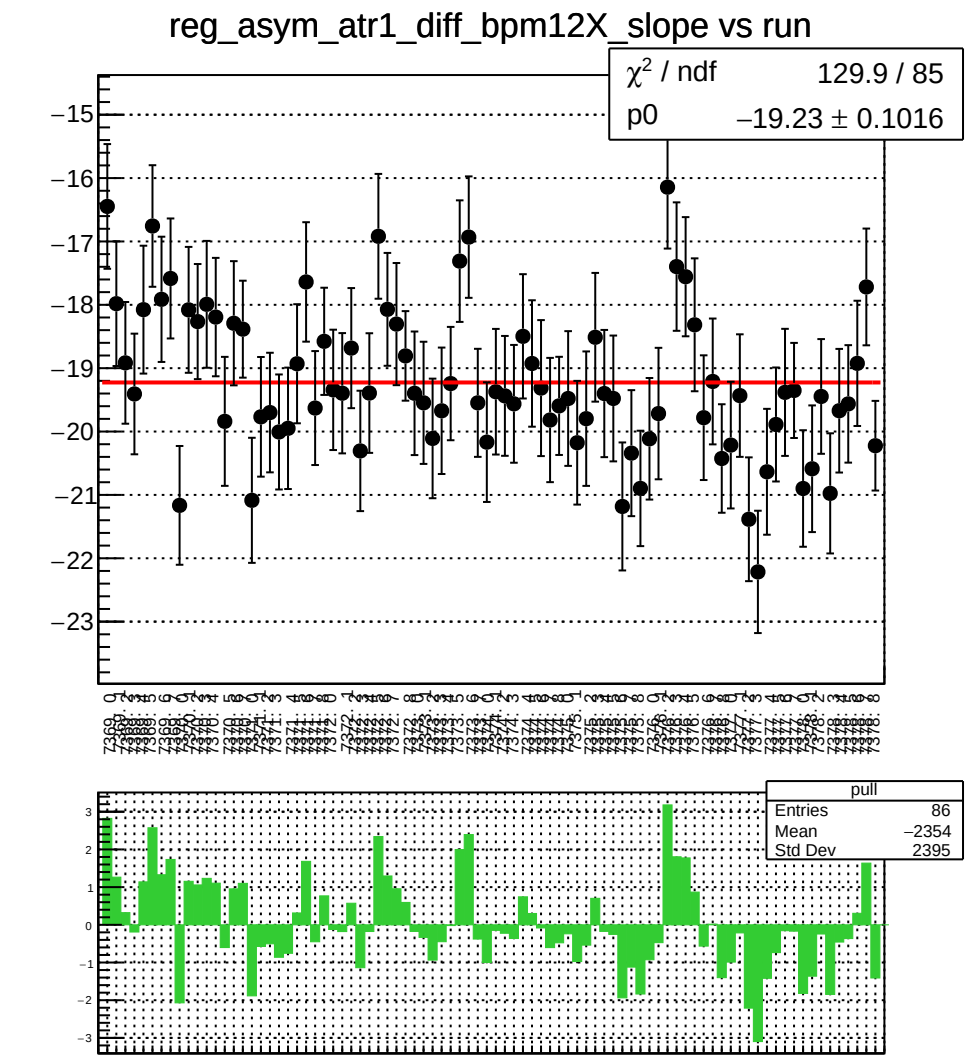

pull1D
Entries 86
Mean 0.01132
Std Dev 0.8723

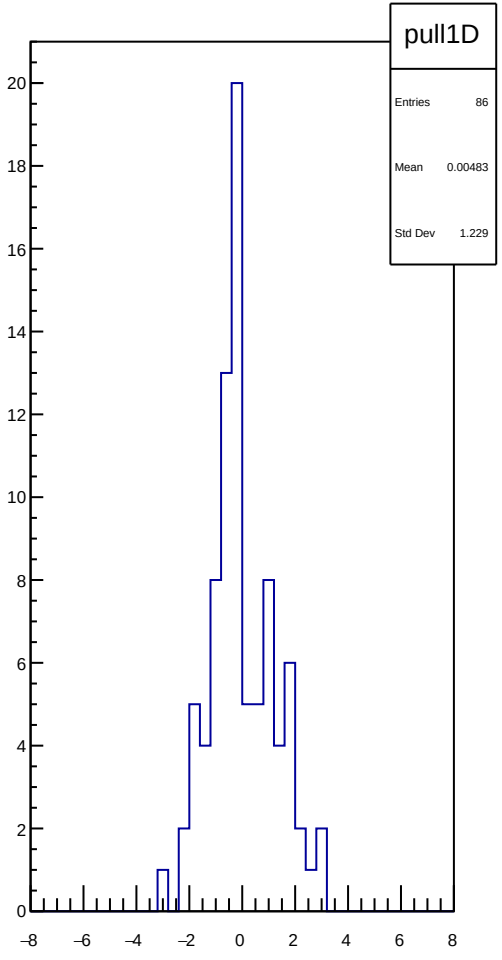

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 82.75 / 85
p0 −10.84 ± 1.942
pull
Entries 86
Mean 82.03
Std Dev 49.21

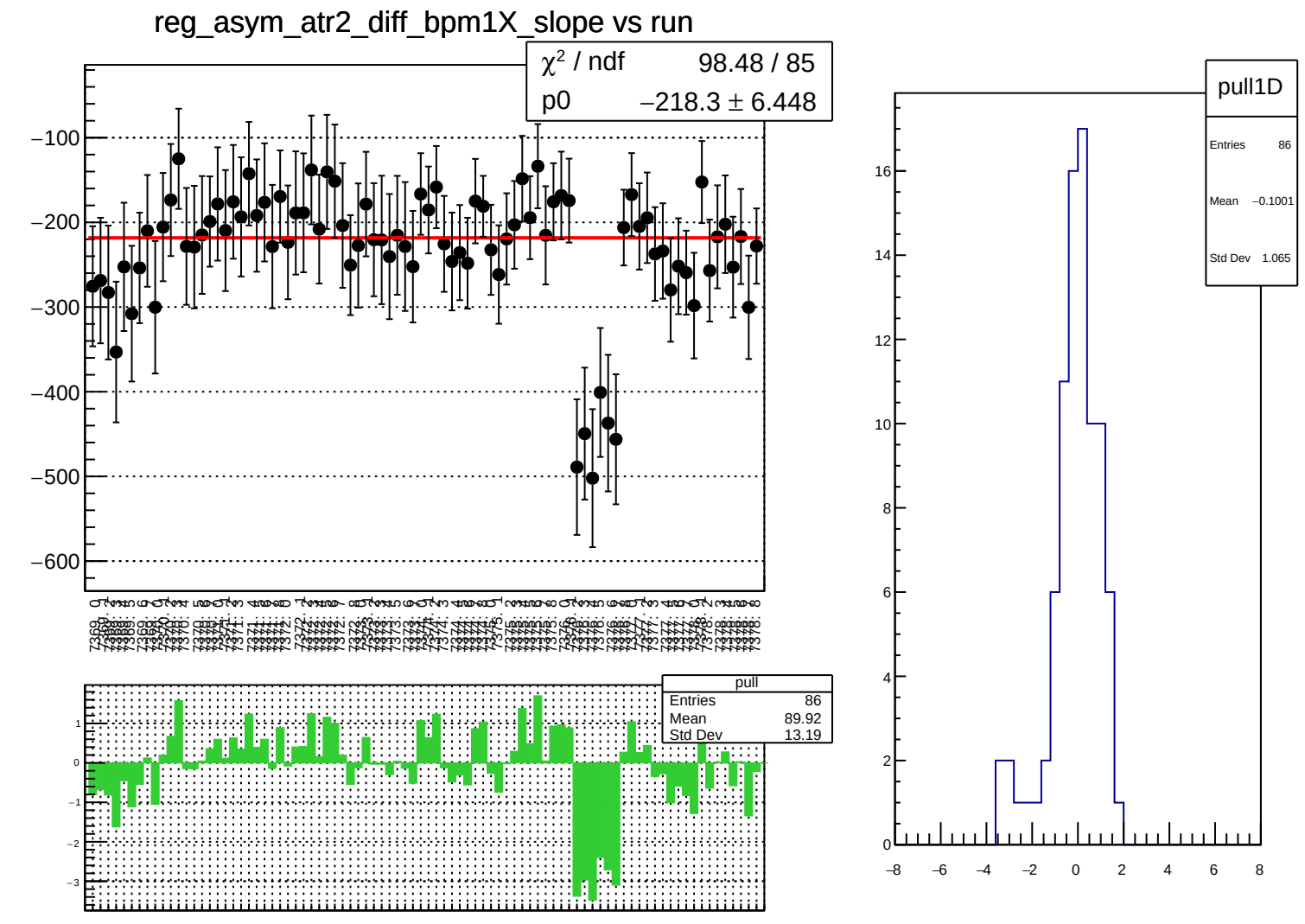

pull1D
Entries 86
Mean 0.01941
Std Dev 0.9807

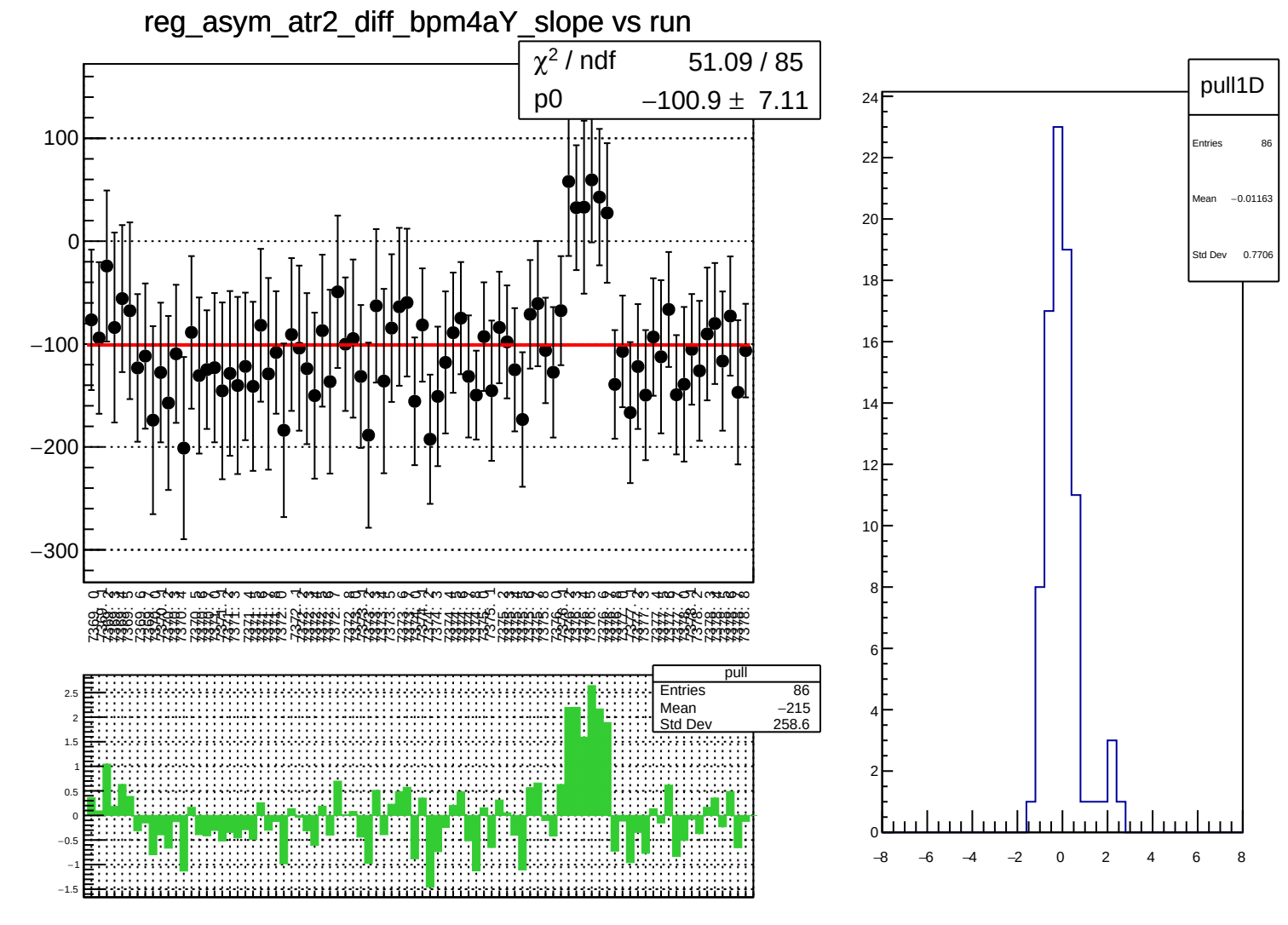

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 73.44 / 85
p0 −21.26 ± 2.213
pull
Entries 86
Mean 748.7
Std Dev 709.3

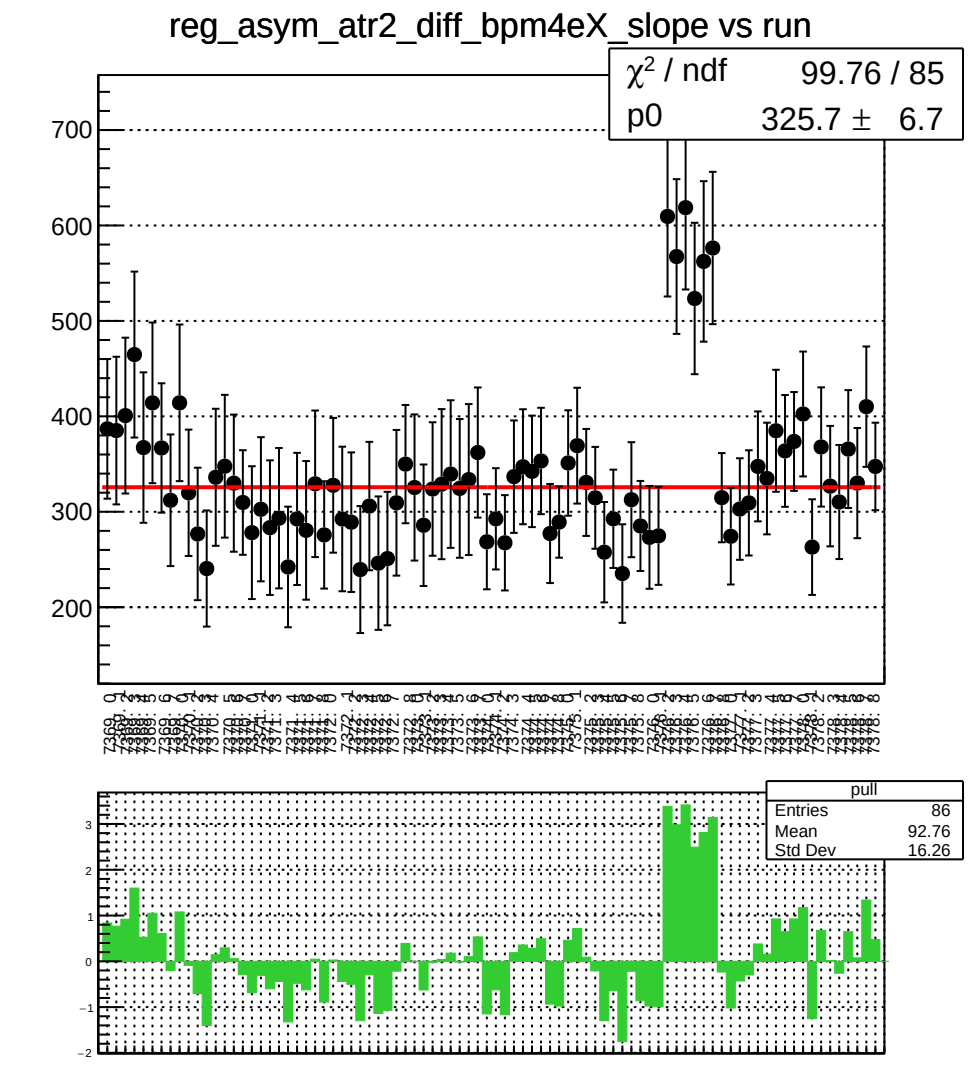

pull1D
Entries 86
Mean −0.00704
Std Dev 0.9241

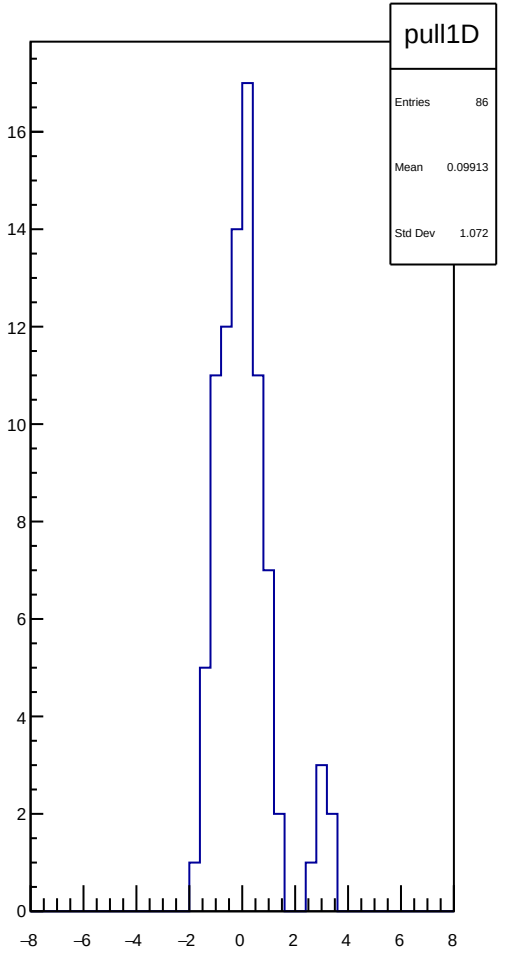

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 129.9 / 85
p0 −19.23 ± 0.1016
pull
Entries 86
Mean −2354
Std Dev 2395

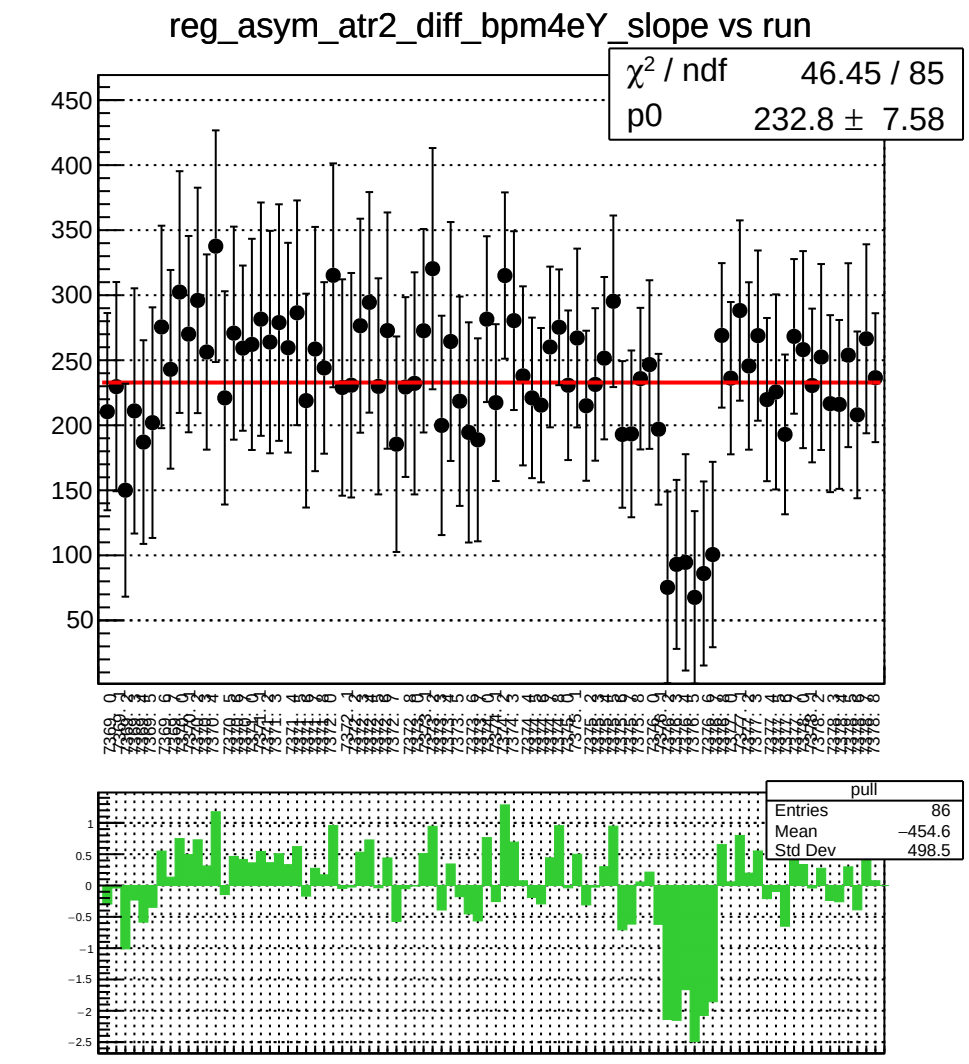

pull1D
Entries 86
Mean 0.00483
Std Dev 1.229

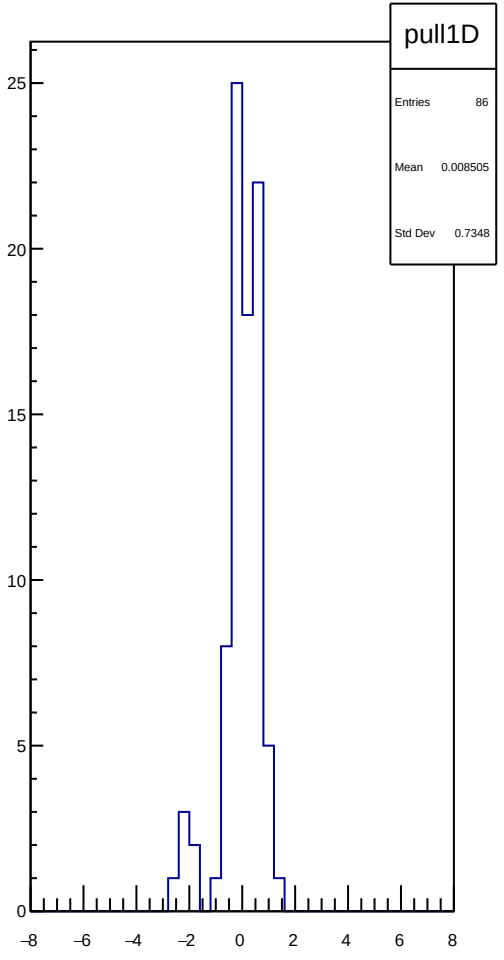

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 98.48 / 85
p0 −218.3 ± 6.448
−100
−200
−300
−400
−500
−600
pull
Entries 86
Mean 89.92
Std Dev 13.19
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.1001
Std Dev 1.065
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

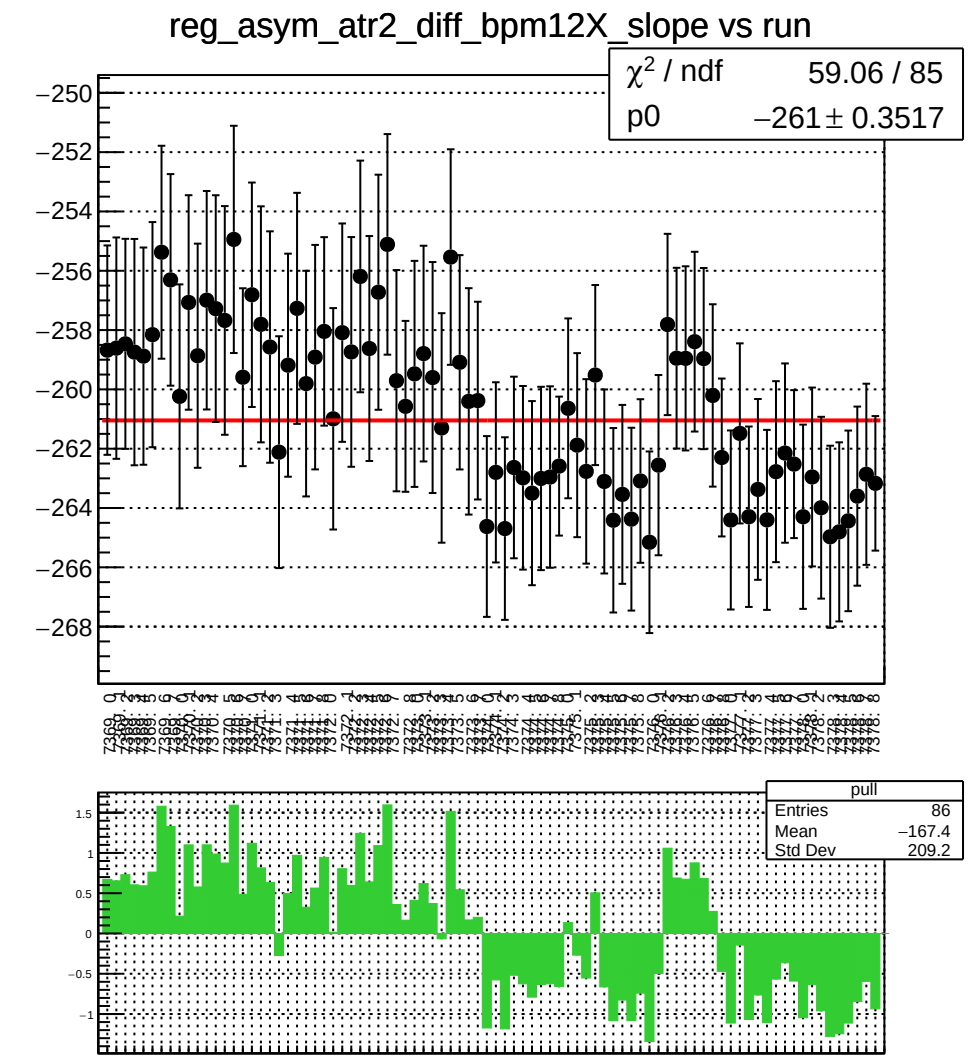

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 51.09 / 85
p0 −100.9 ± 7.11
100
0
−100
−200
−300
pull
Entries 86
Mean −215
Std Dev 258.6
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.01163
Std Dev 0.7706
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

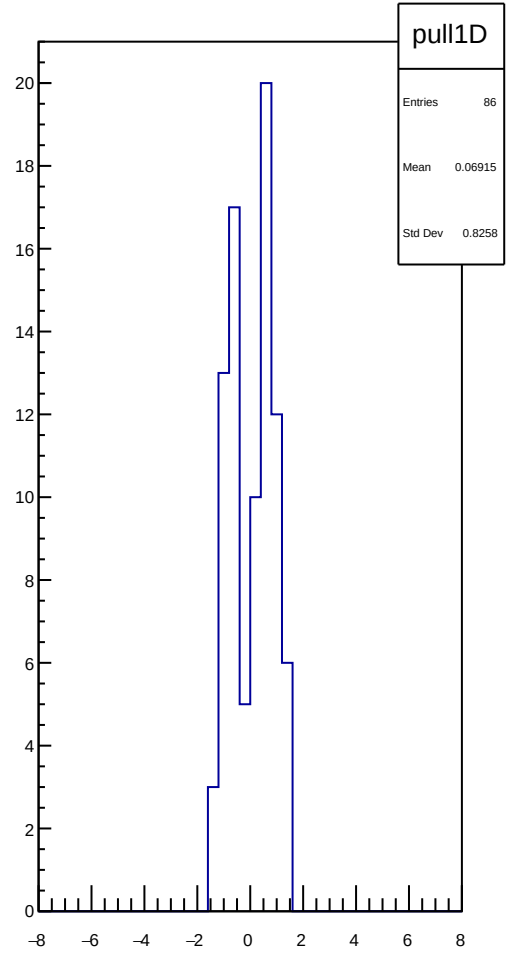

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 99.76 / 85
p0 325.7 ± 6.7
700
600
500
400
300
200
pull
Entries 86
Mean 92.76
Std Dev 16.26
3
2
1
0
−1
−2

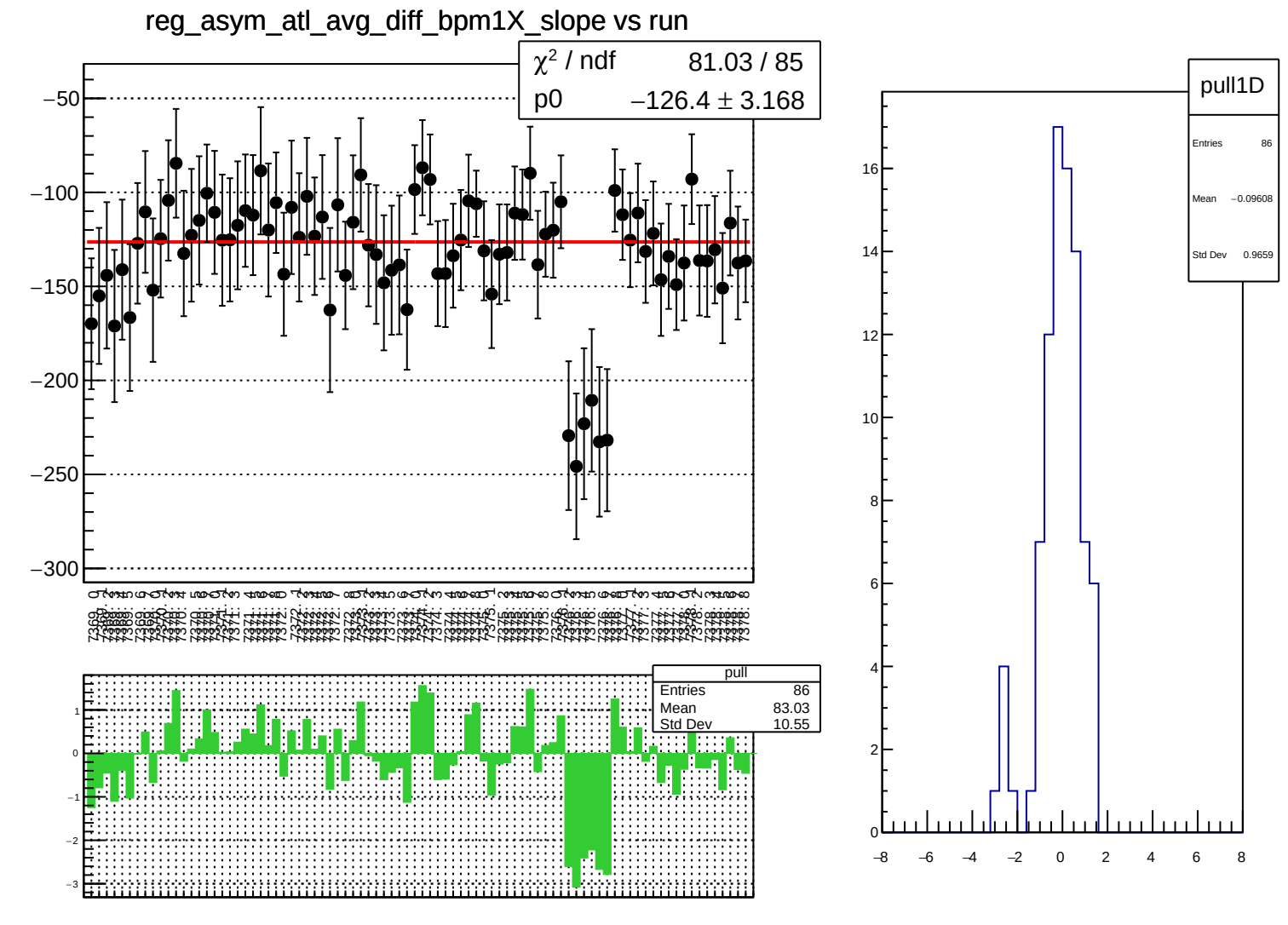

pull1D
Entries 86
Mean 0.09913
Std Dev 1.072
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

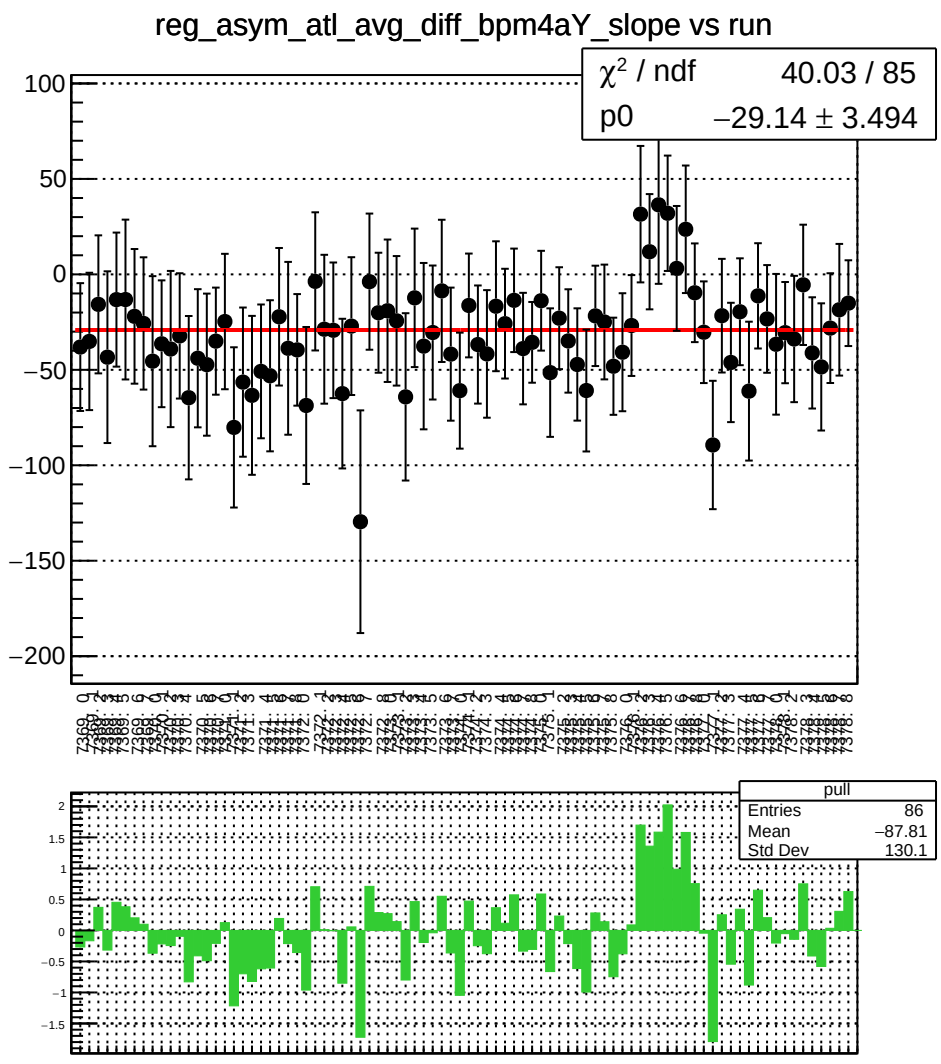

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 46.45 / 85
p0 232.8 ± 7.58
pull
Entries 86
Mean −454.6
Std Dev 498.5

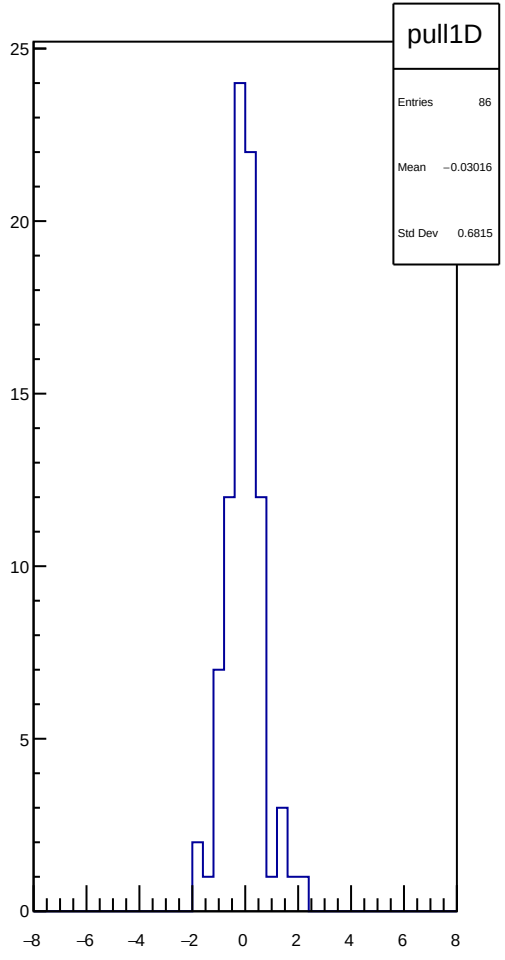

pull1D
Entries 86
Mean 0.008505
Std Dev 0.7348

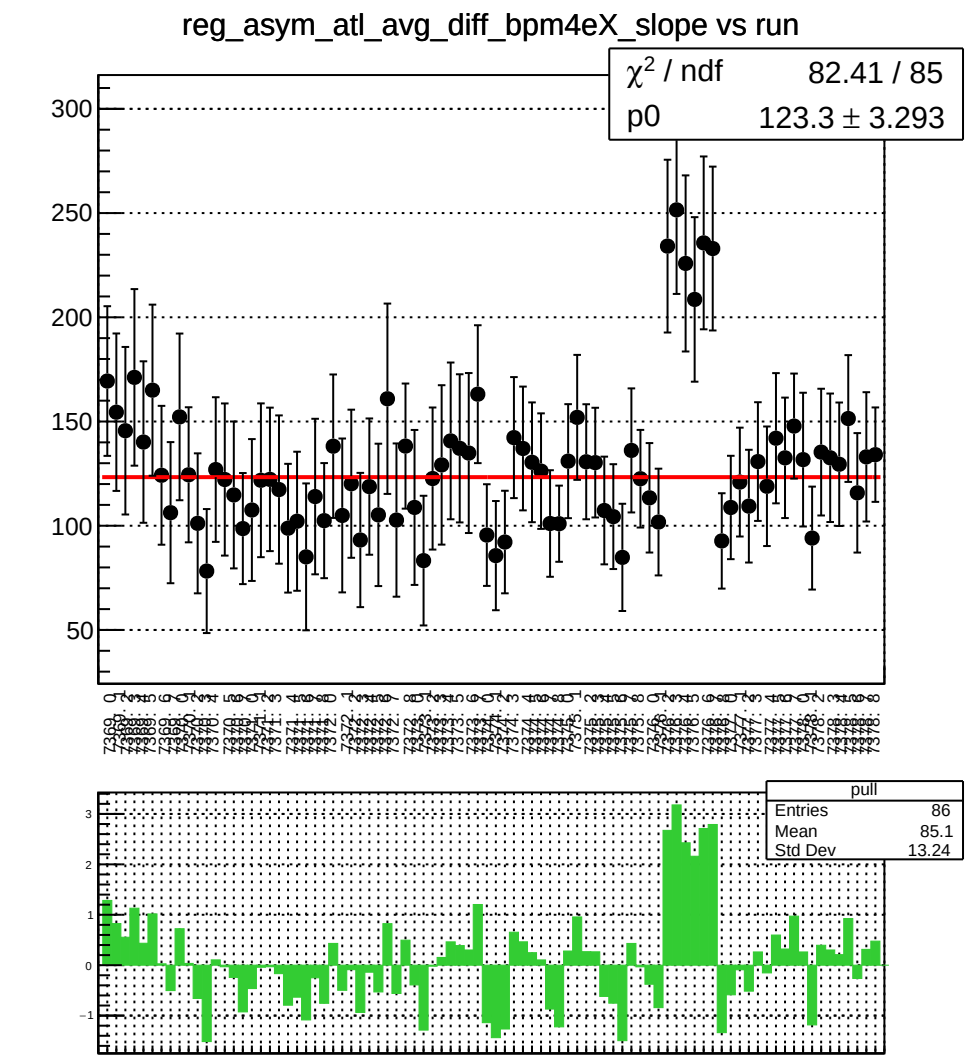

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 59.06 / 85
p0 −261 ± 0.3517
pull
Entries 86
Mean −167.4
Std Dev 209.2

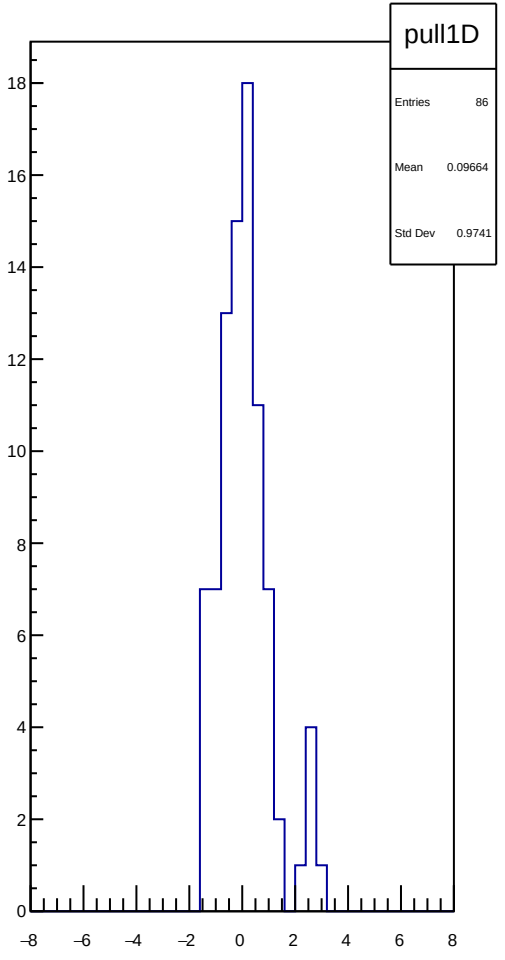

pull1D
Entries 86
Mean 0.06915
Std Dev 0.8258

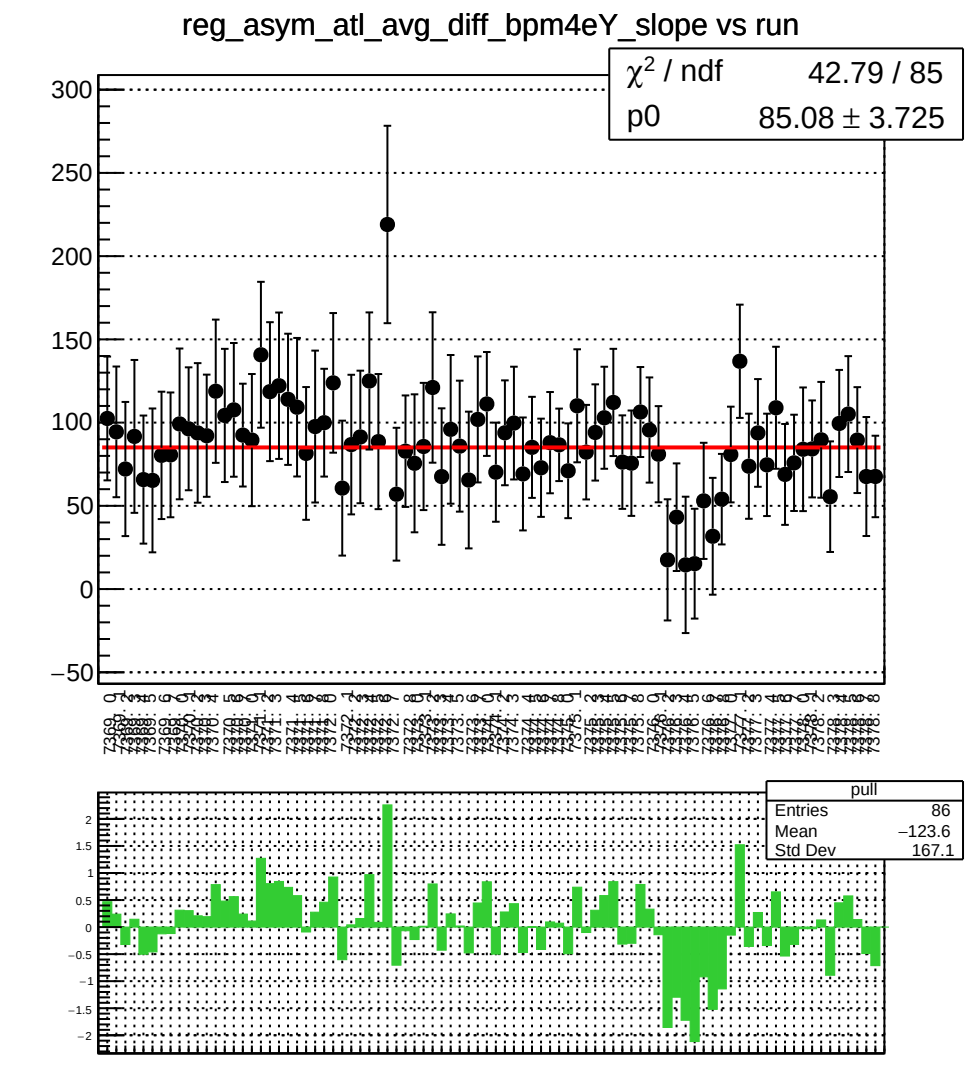

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 81.03 / 85
p0 −126.4 ± 3.168
pull
Entries 86
Mean 83.03
Std Dev 10.55
pull1D
Entries 86
Mean −0.09608
Std Dev 0.9659

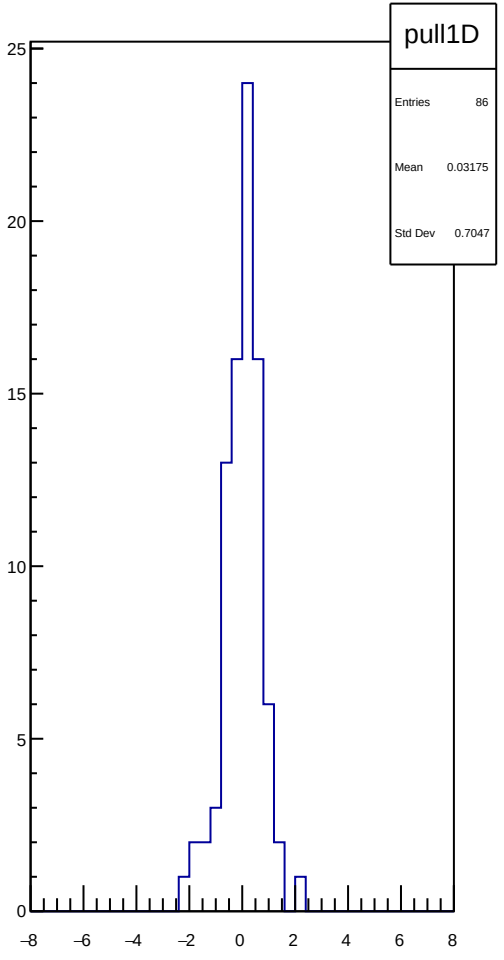

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.03 / 85
p0 −29.14 ± 3.494
pull
Entries 86
Mean −87.81
Std Dev 130.1

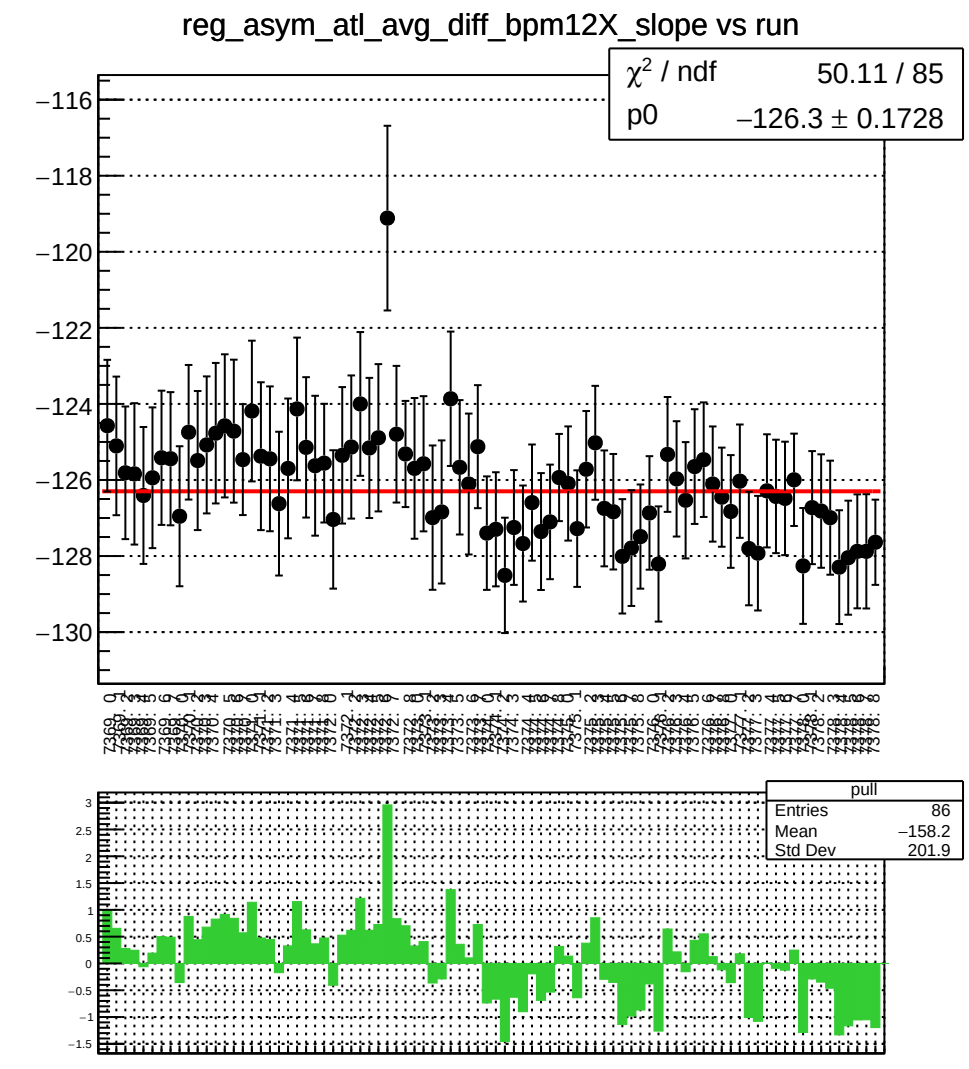

pull1D
Entries 86
Mean −0.03016
Std Dev 0.6815

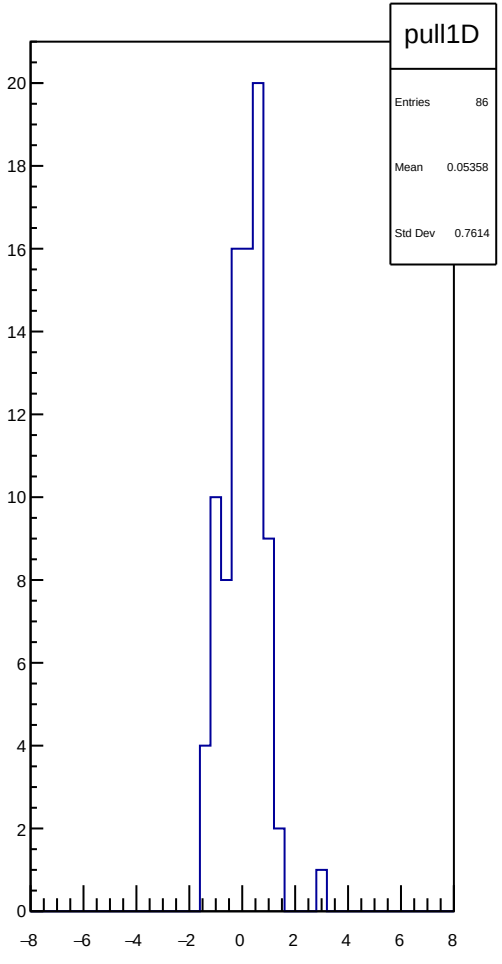

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 82.41 / 85
p0 123.3 ± 3.293
pull
Entries 86
Mean 85.1
Std Dev 13.24

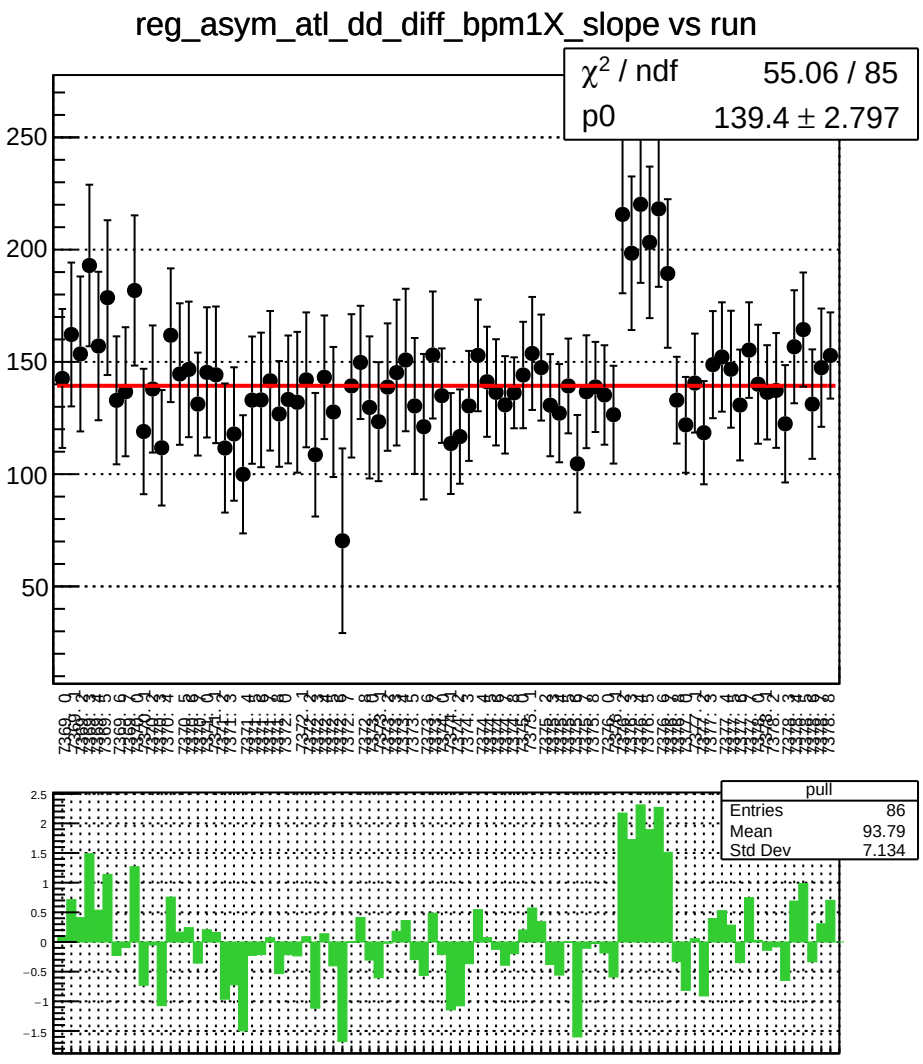

pull1D
Entries 86
Mean 0.09664
Std Dev 0.9741

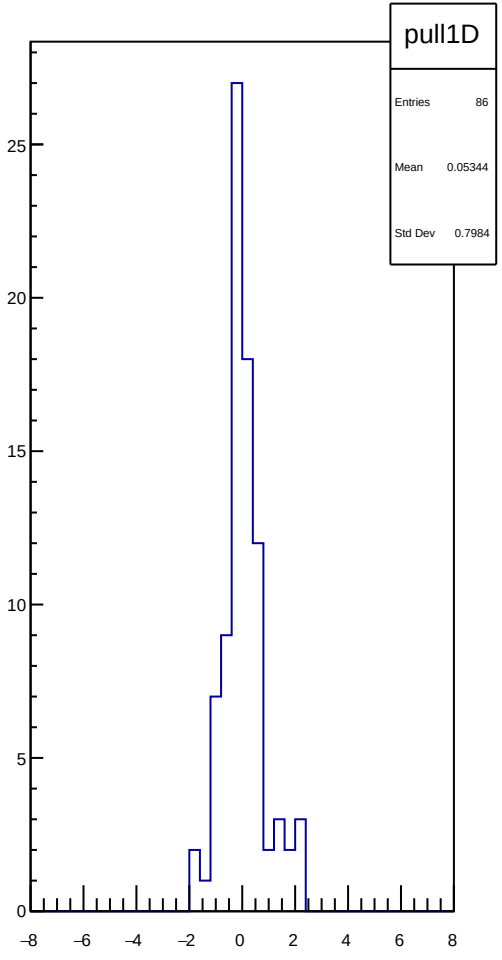

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 42.79 / 85
p0 85.08 ± 3.725
pull
Entries 86
Mean −123.6
Std Dev 167.1

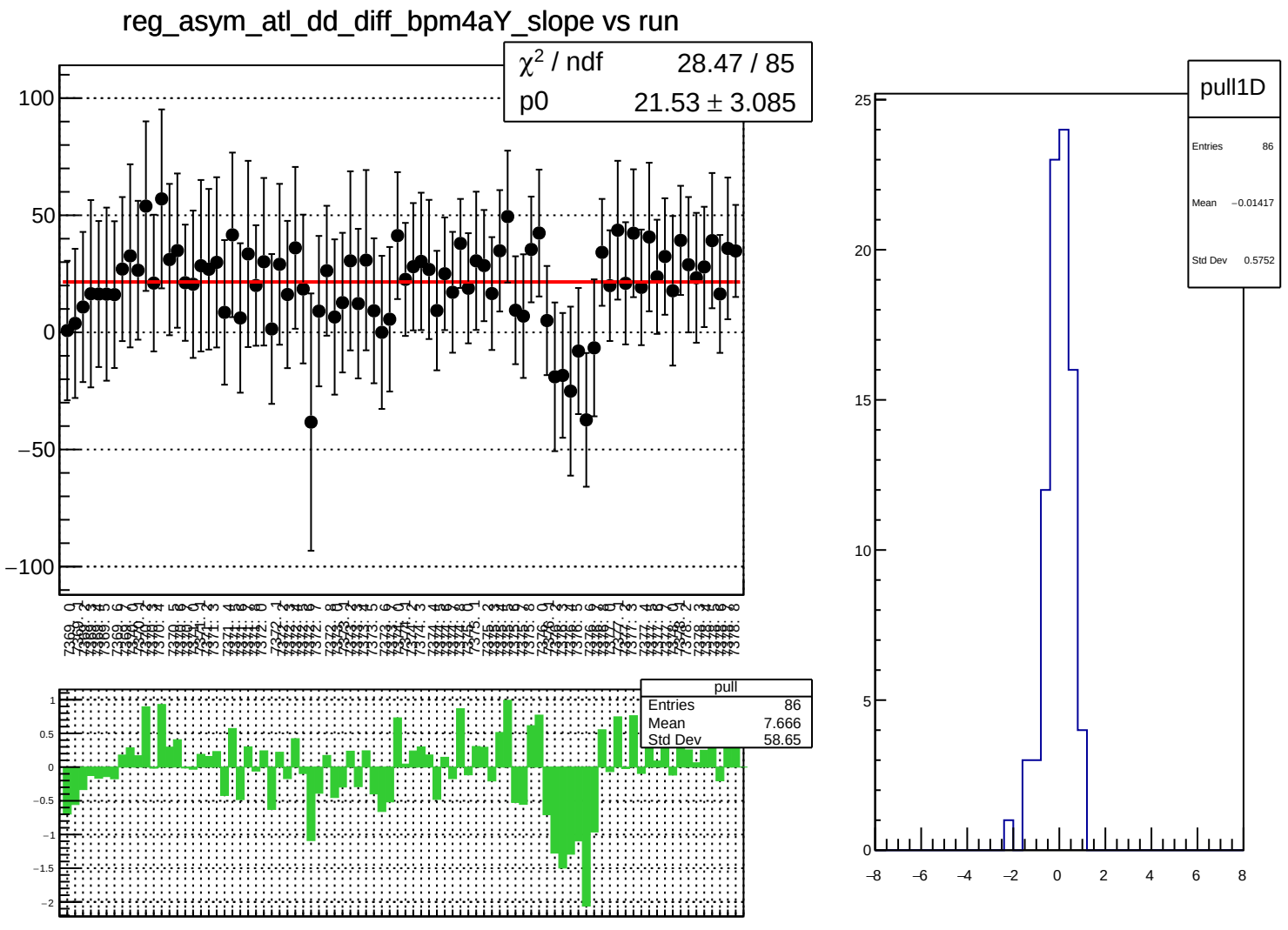

pull1D
Entries 86
Mean 0.03175
Std Dev 0.7047

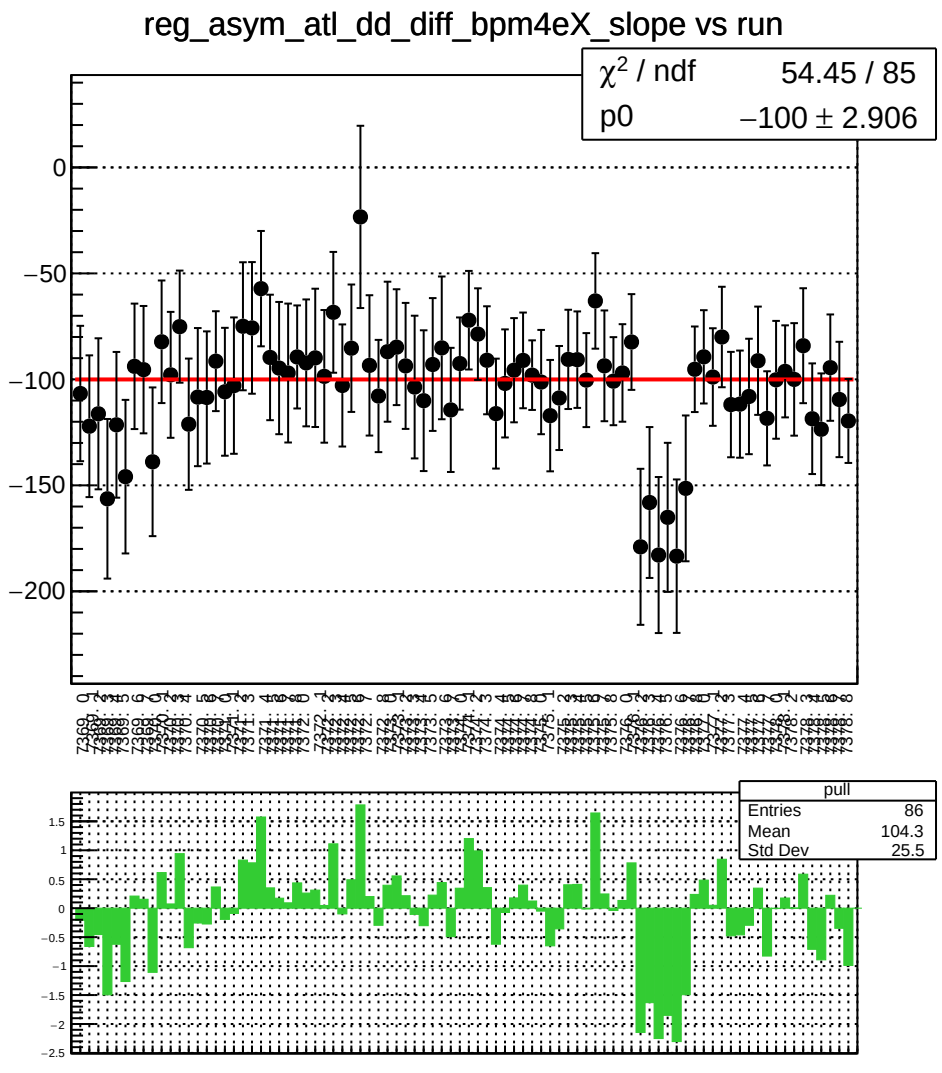

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 50.11 / 85
p0 −126.3 ± 0.1728
pull
Entries 86
Mean −158.2
Std Dev 201.9

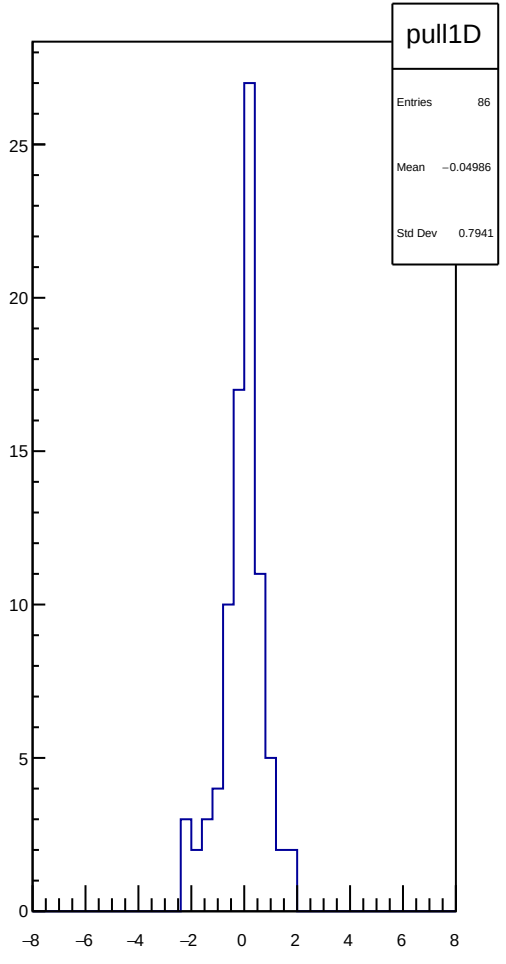

pull1D
Entries 86
Mean 0.05358
Std Dev 0.7614

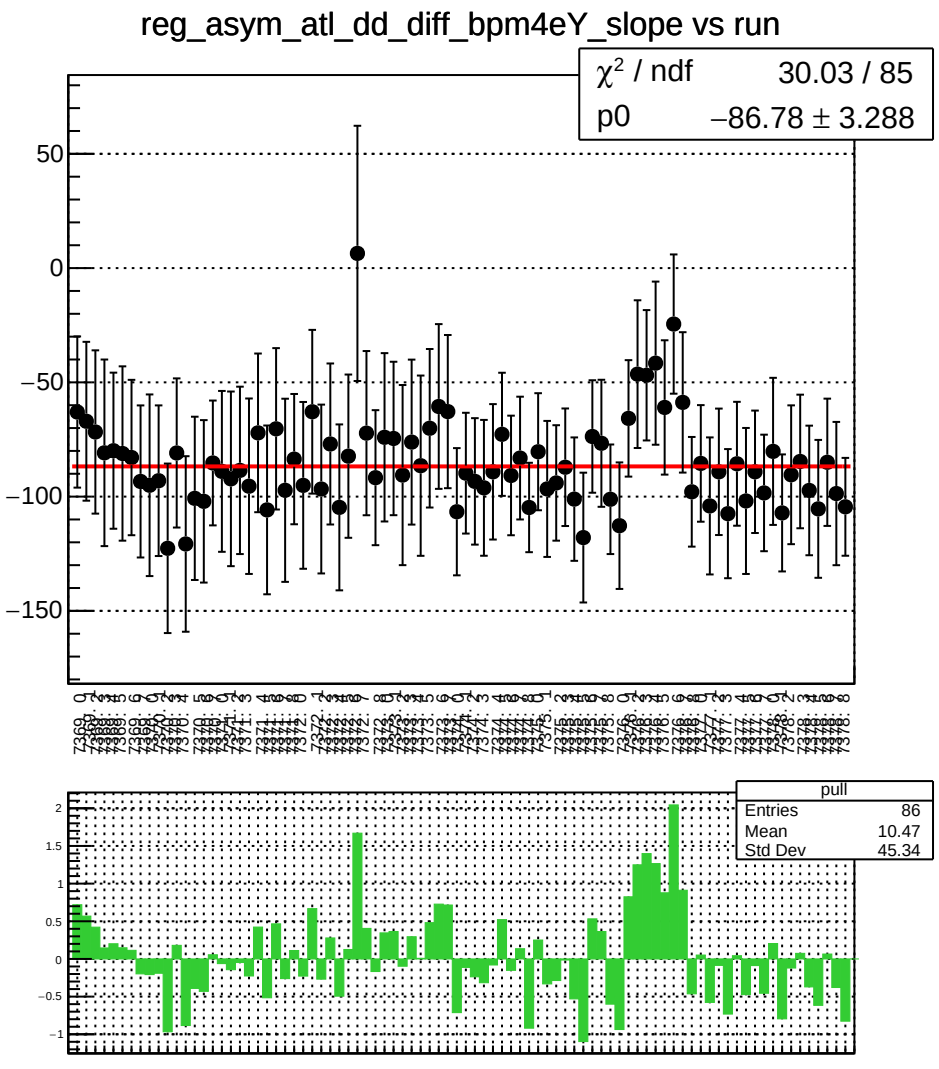

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 55.06 / 85
p0 139.4 ± 2.797
250
200
150
100
50
pull
Entries 86
Mean 93.79
Std Dev 7.134
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

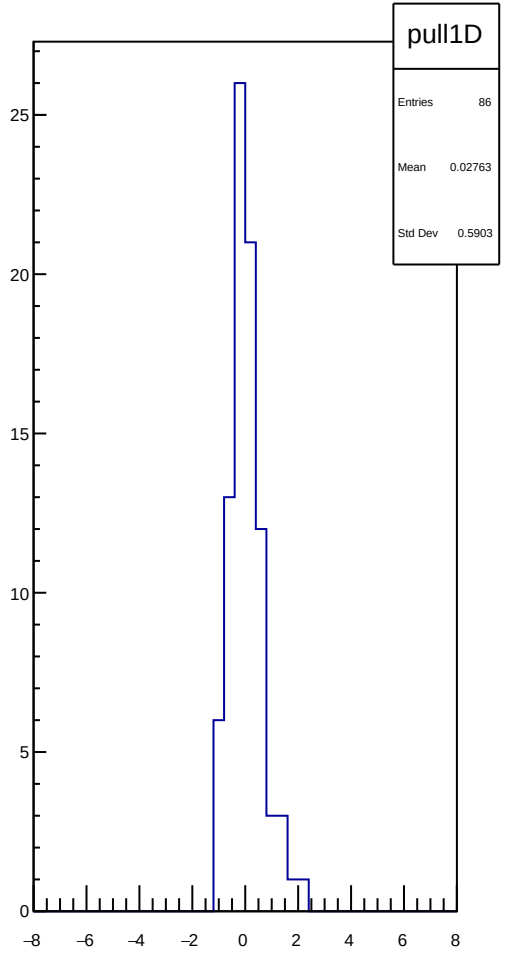

pull1D
Entries 86
Mean 0.05344
Std Dev 0.7984
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

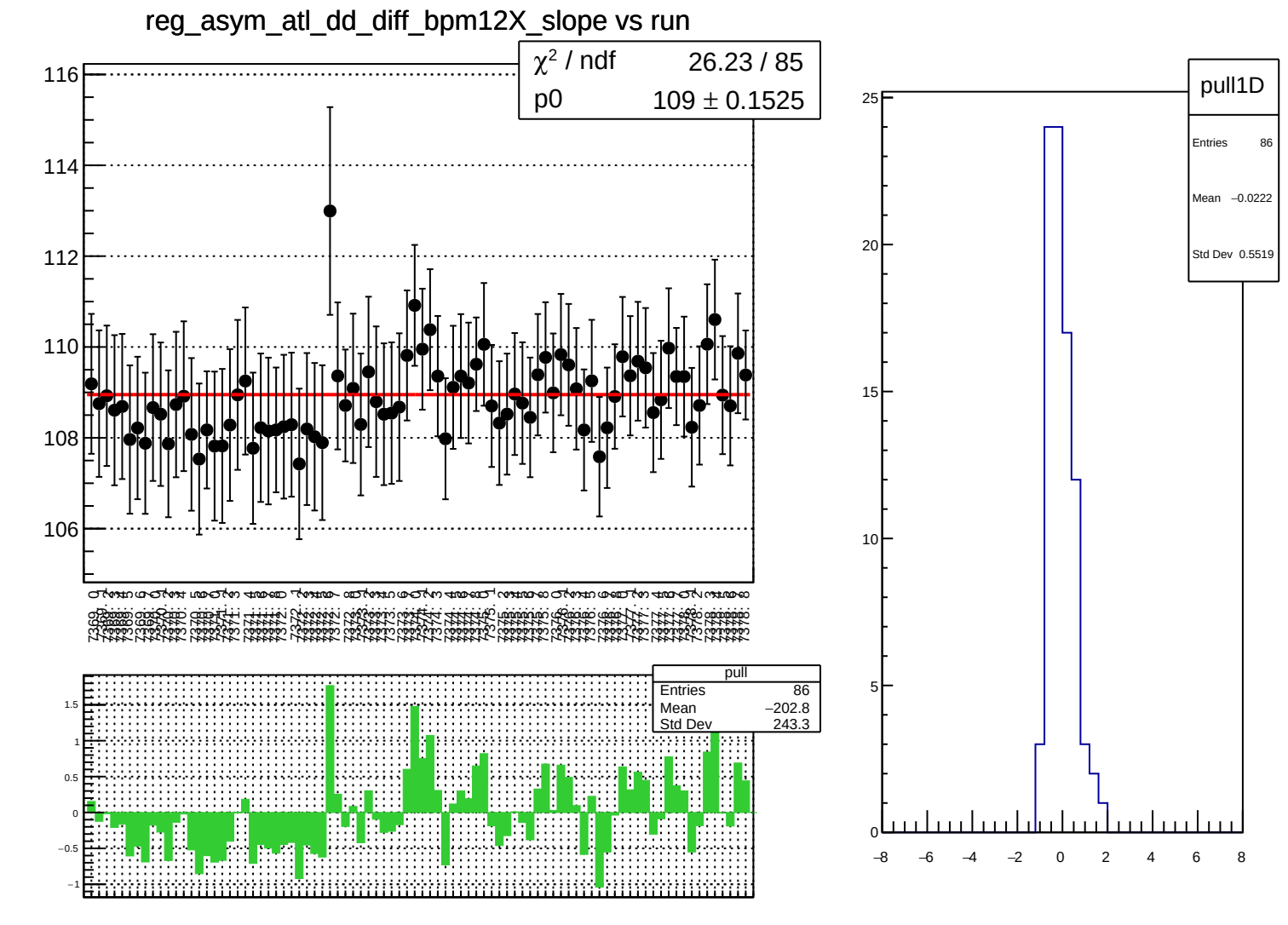

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 28.47 / 85
p0 21.53 ± 3.085
100
50
0
−50
−100
pull
Entries 86
Mean 7.666
Std Dev 58.65
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 86
Mean −0.01417
Std Dev 0.5752
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

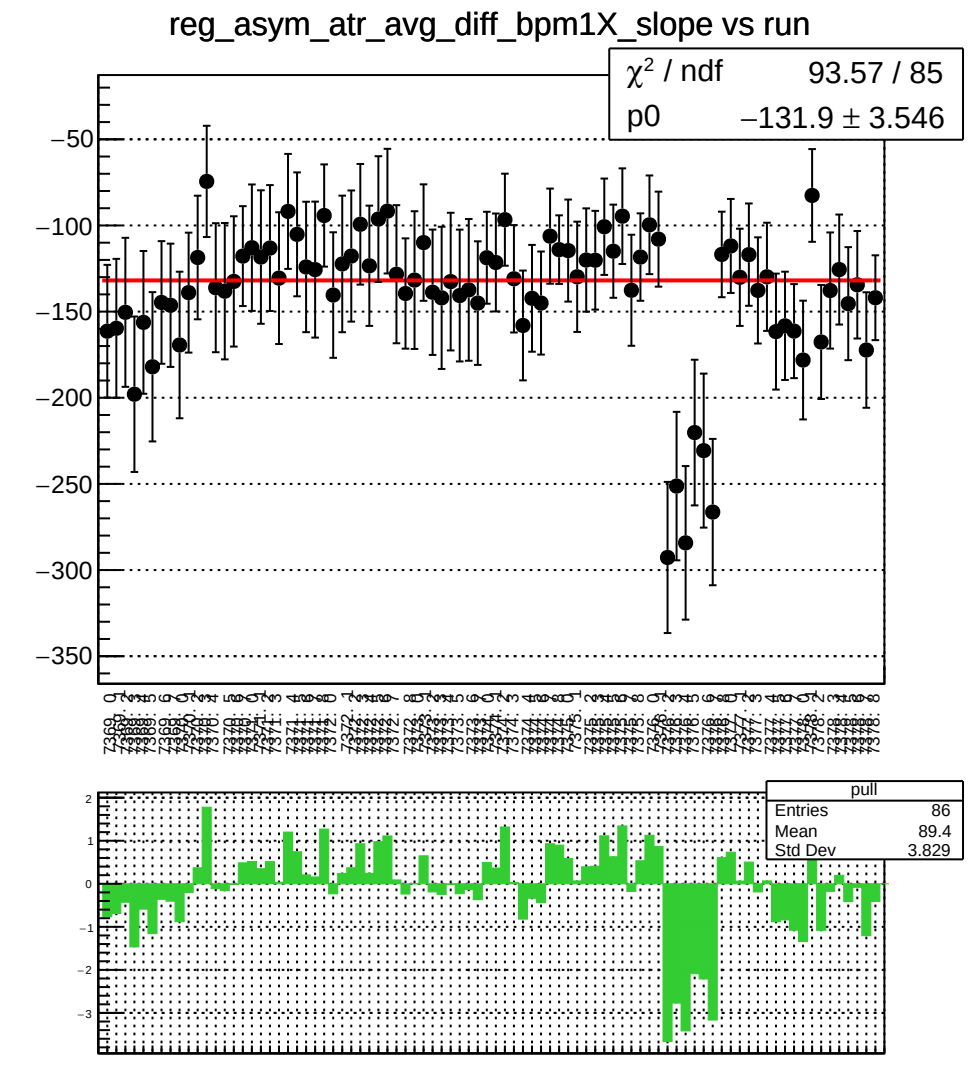

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.45 / 85
p0 −100 ± 2.906
0
−50
−100
−150
−200
pull
Entries 86
Mean 104.3
Std Dev 25.5
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

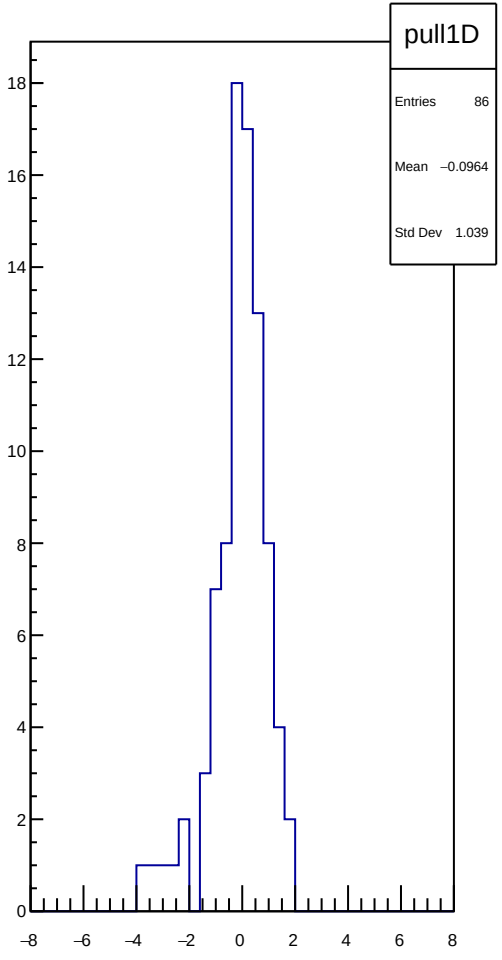

pull1D
Entries 86
Mean −0.04986
Std Dev 0.7941
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

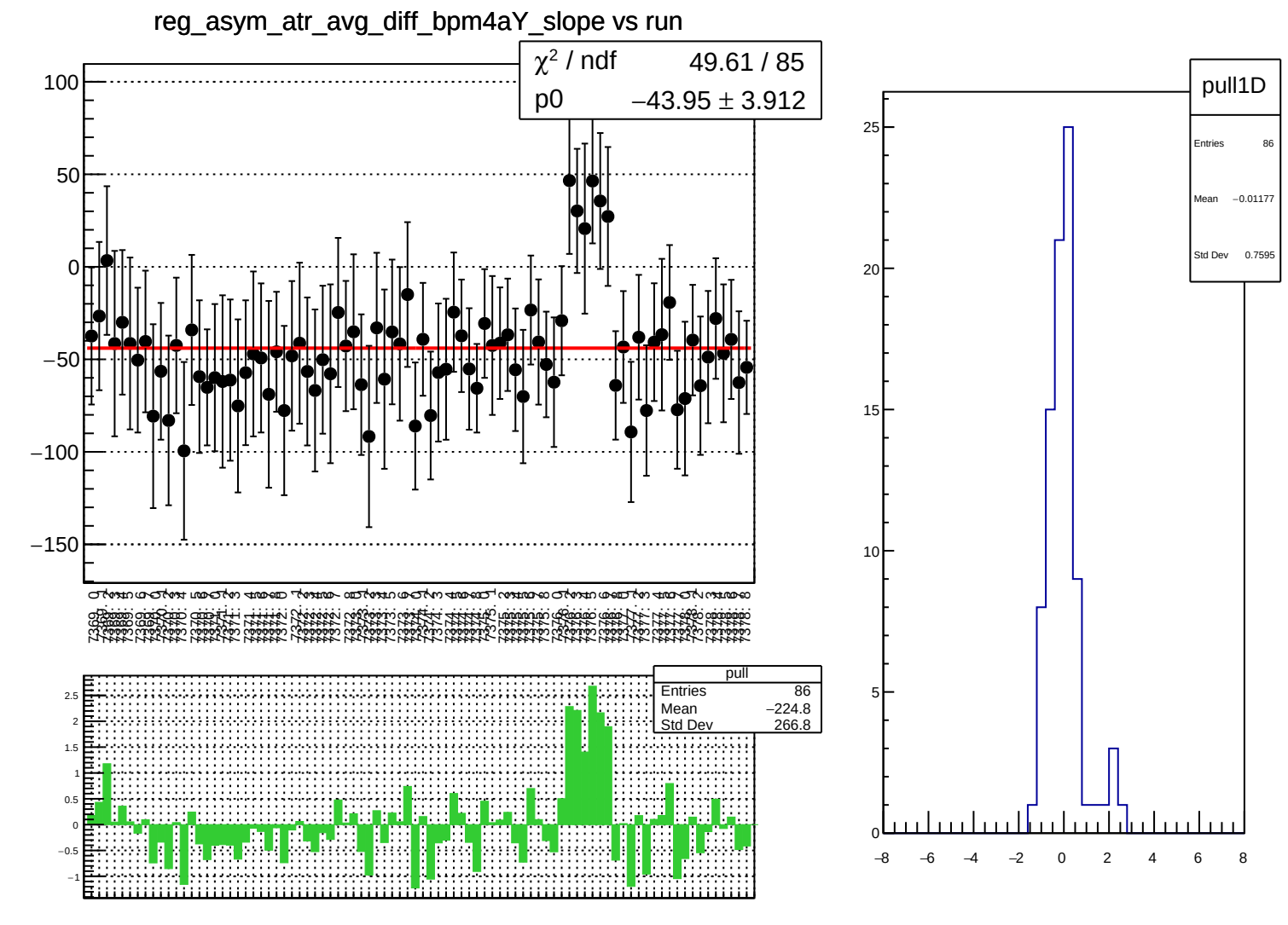

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.03 / 85
p0 −86.78 ± 3.288
50
0
−50
−100
−150
pull
Entries 86
Mean 10.47
Std Dev 45.34
2
1.5
1
0.5
0
−0.5
−1

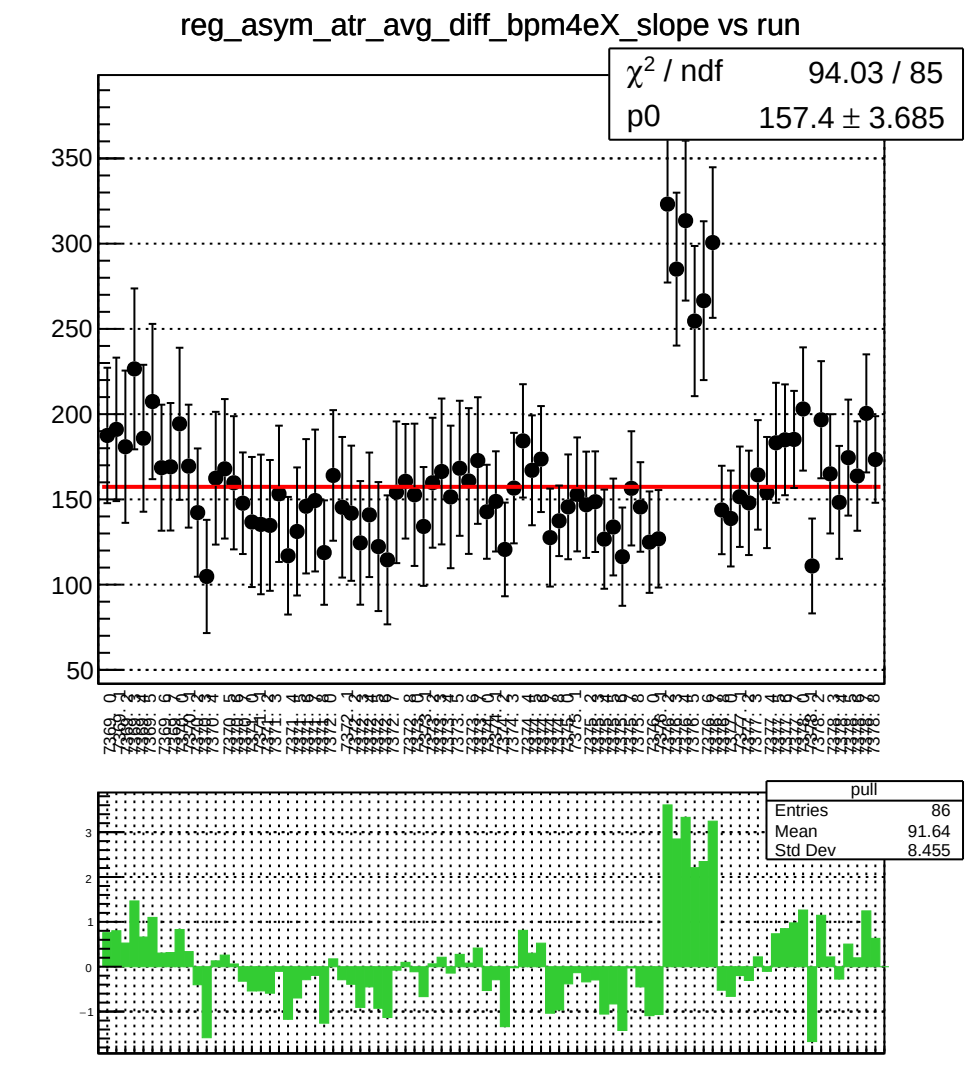

pull1D
Entries 86
Mean 0.02763
Std Dev 0.5903
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

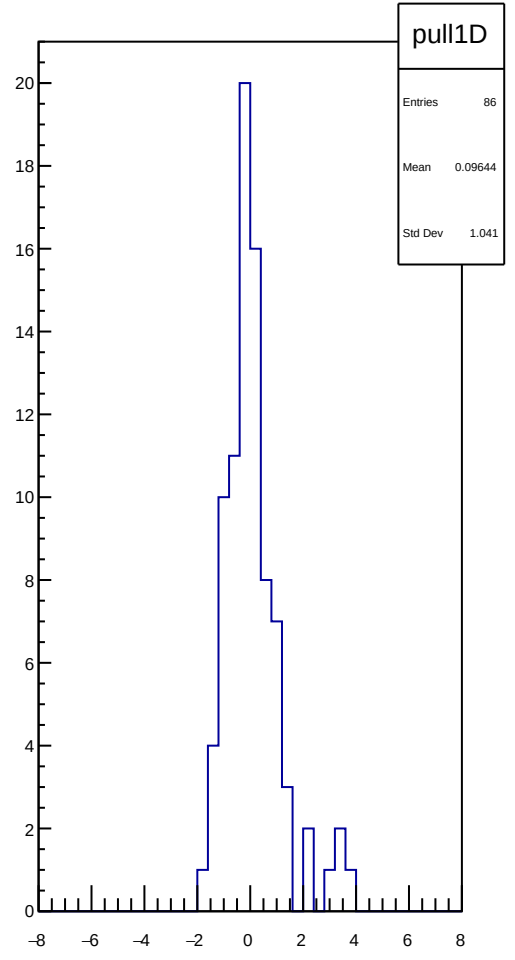

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 26.23 / 85
p0 109 ± 0.1525
pull
Entries 86
Mean −202.8
Std Dev 243.3
pull1D
Entries 86
Mean −0.0222
Std Dev 0.5519

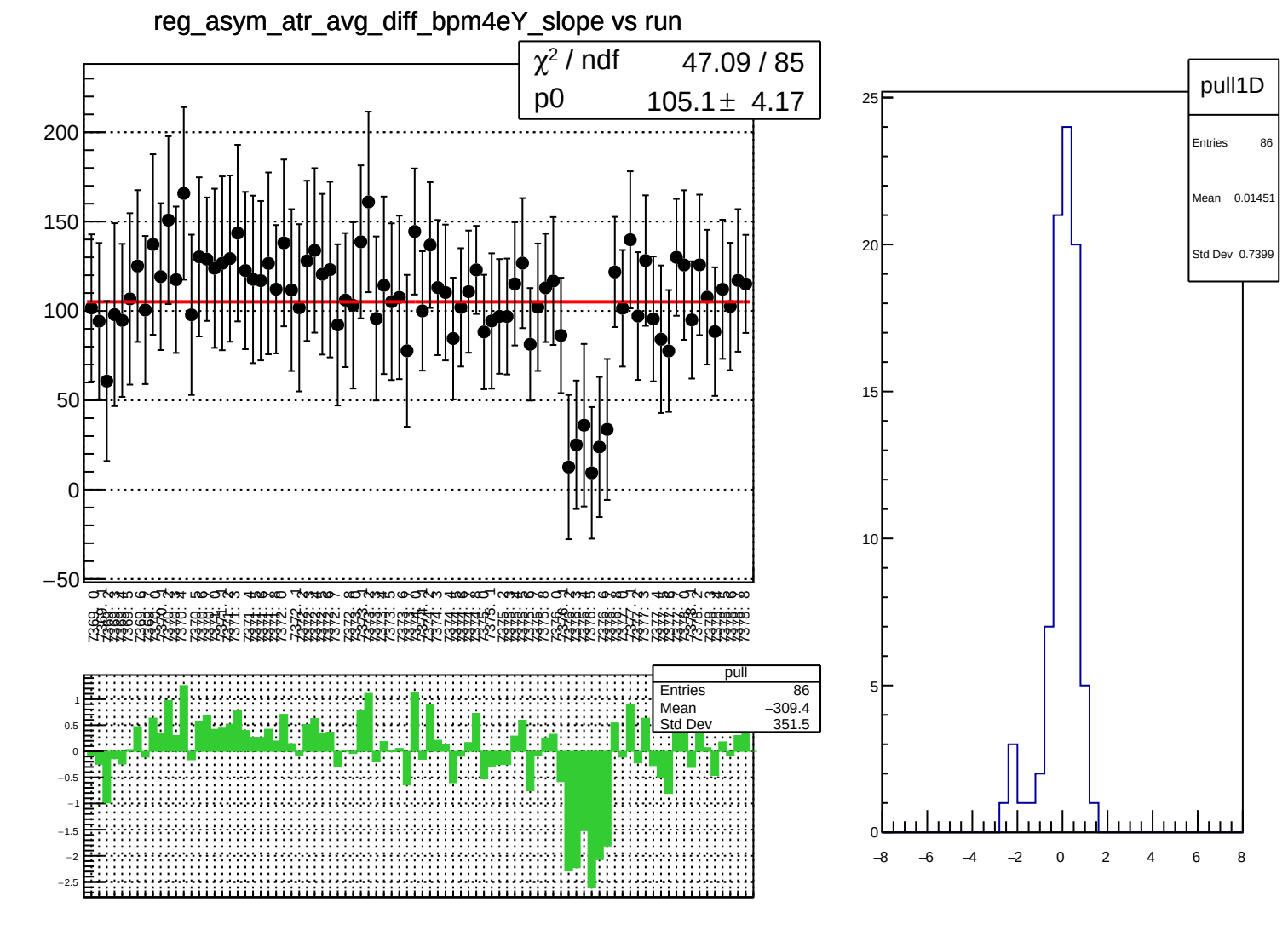

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 93.57 / 85
p0 −131.9 ± 3.546
pull
Entries 86
Mean 89.4
Std Dev 3.829

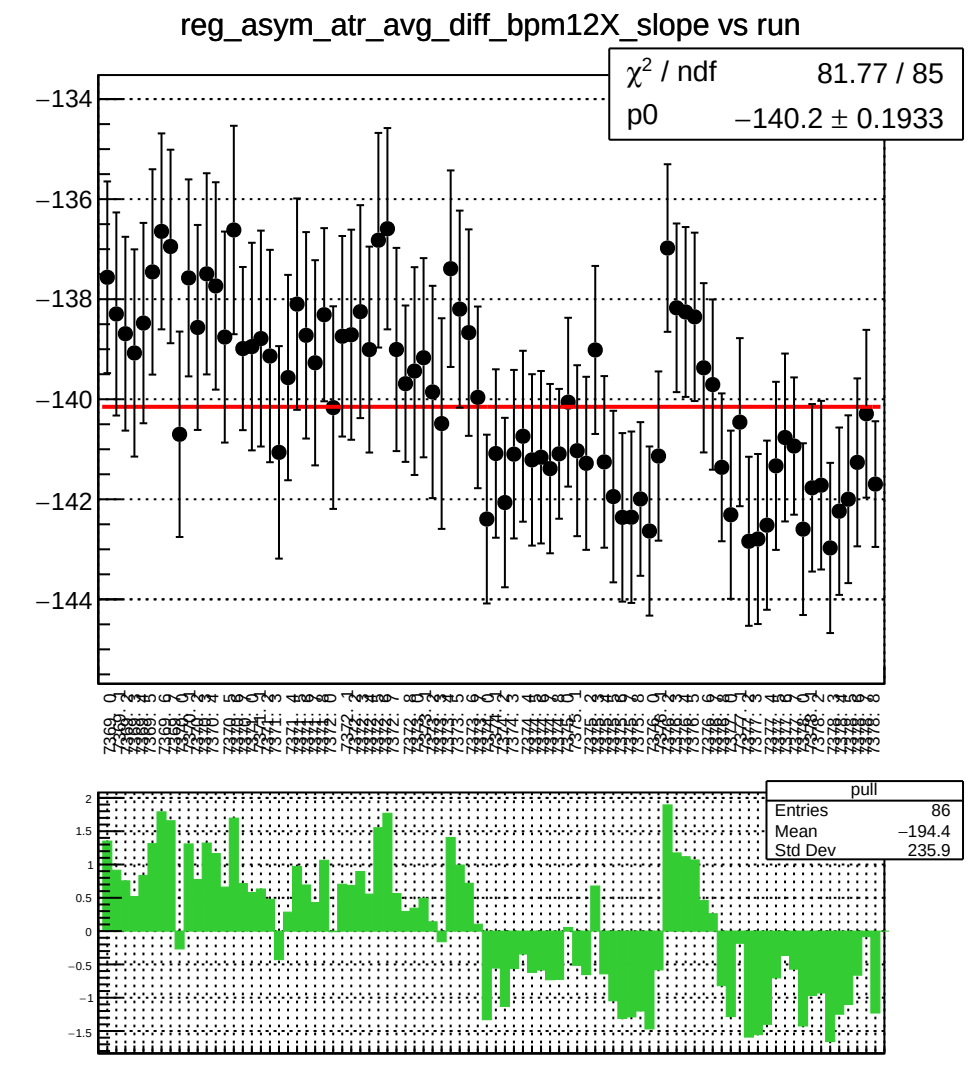

pull1D
Entries 86
Mean −0.0964
Std Dev 1.039

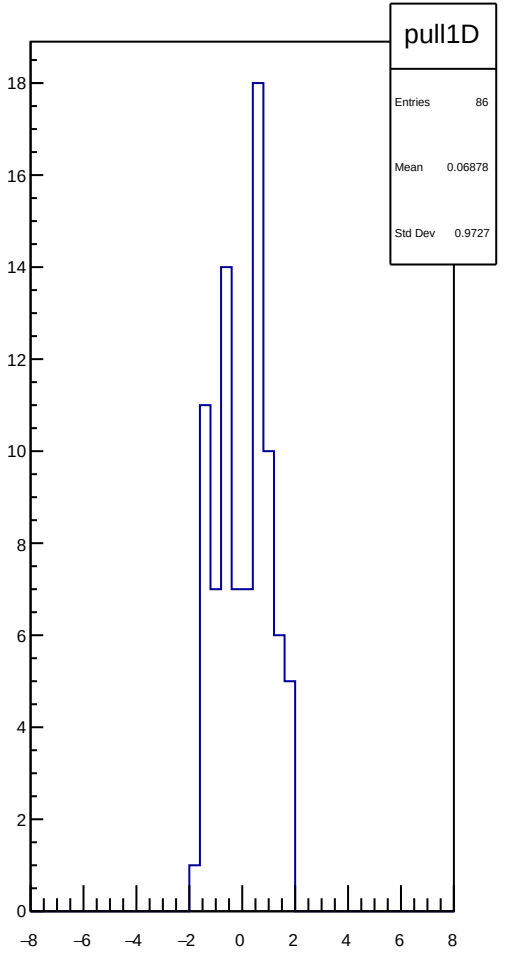

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.61 / 85
p0 −43.95 ± 3.912
pull
Entries 86
Mean −224.8
Std Dev 266.8
pull1D
Entries 86
Mean −0.01177
Std Dev 0.7595

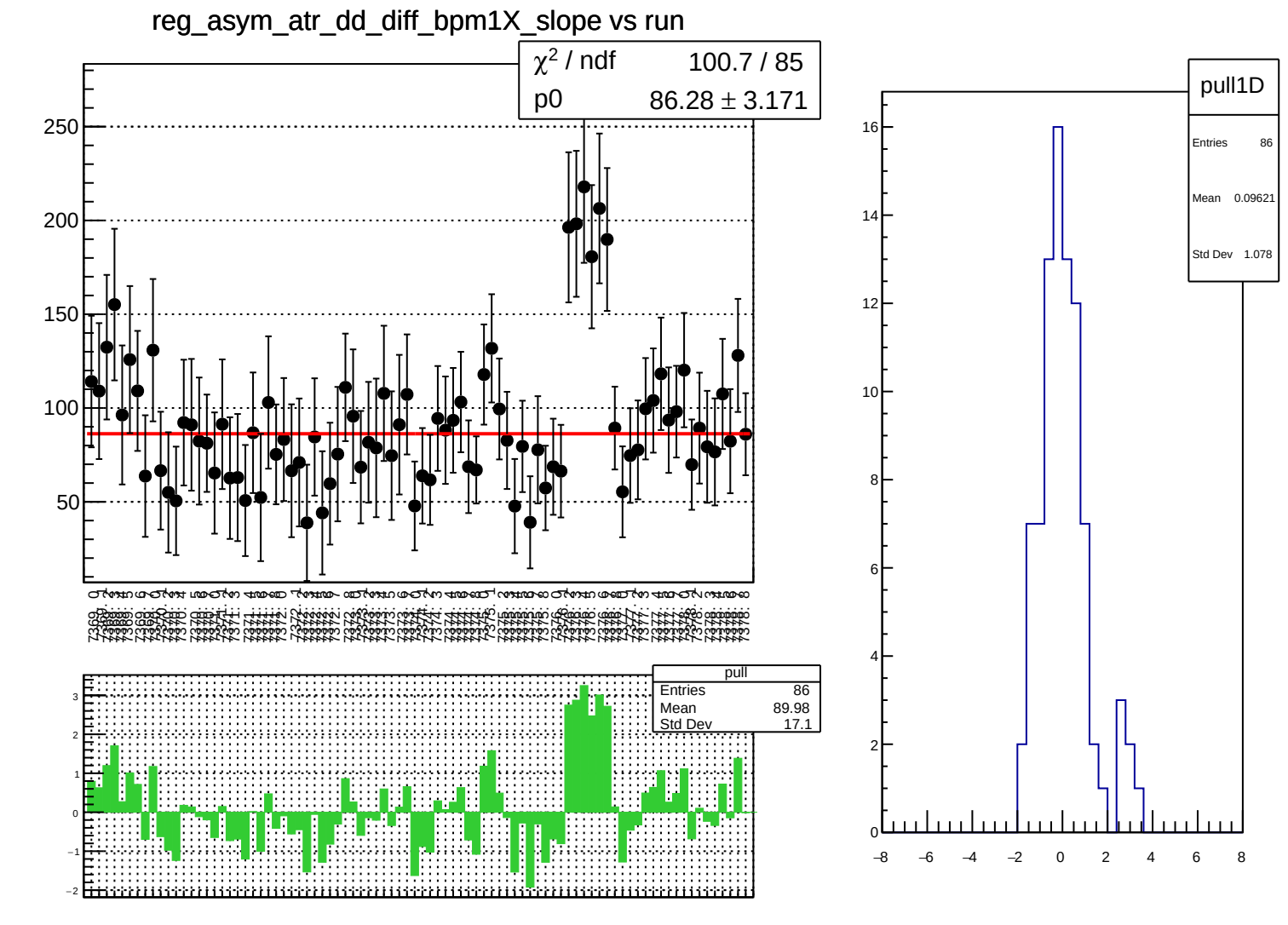

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 94.03 / 85
p0 157.4 ± 3.685
pull
Entries 86
Mean 91.64
Std Dev 8.455

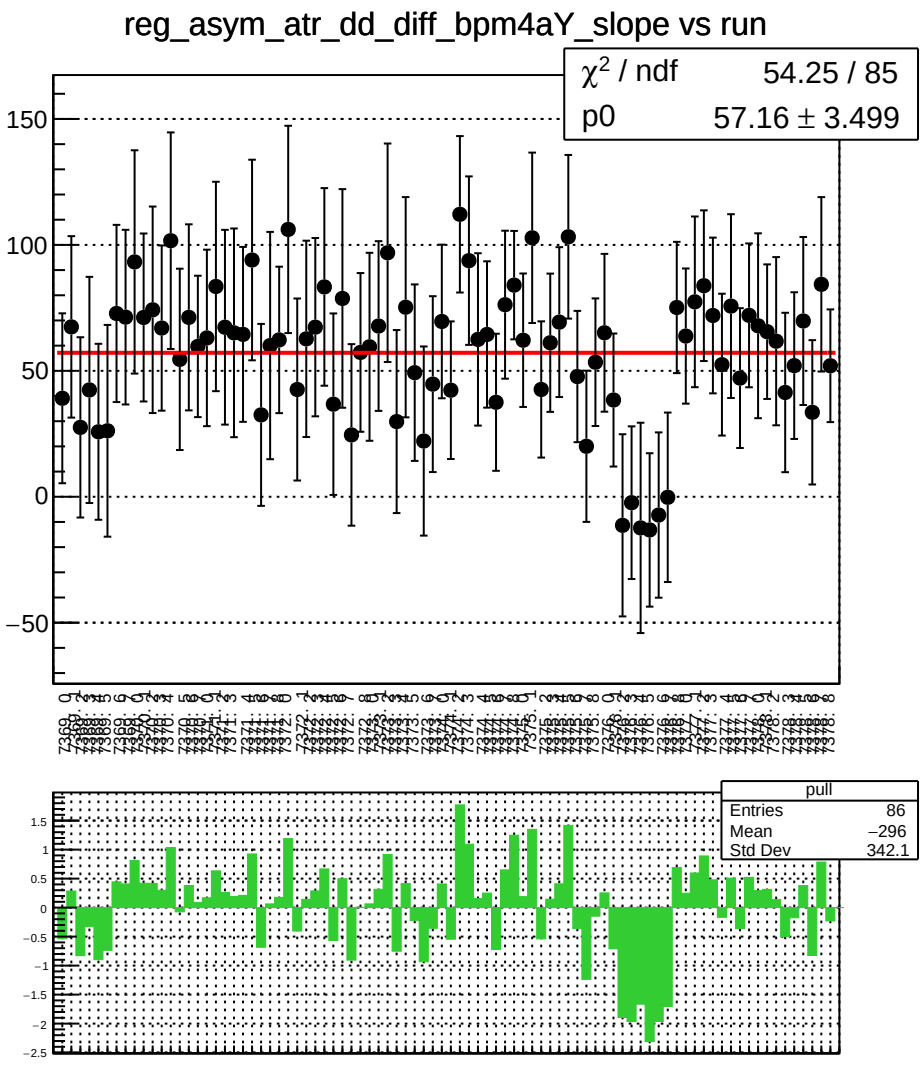

pull1D
Entries 86
Mean 0.09644
Std Dev 1.041

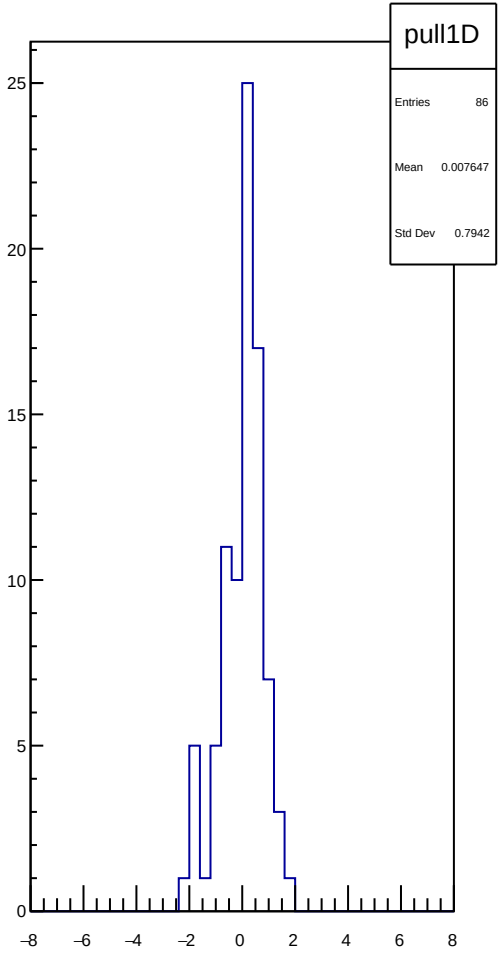

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.09 / 85
p0 105.1 ± 4.17
pull
Entries 86
Mean −309.4
Std Dev 351.5
pull1D
Entries 86
Mean 0.01451
Std Dev 0.7399

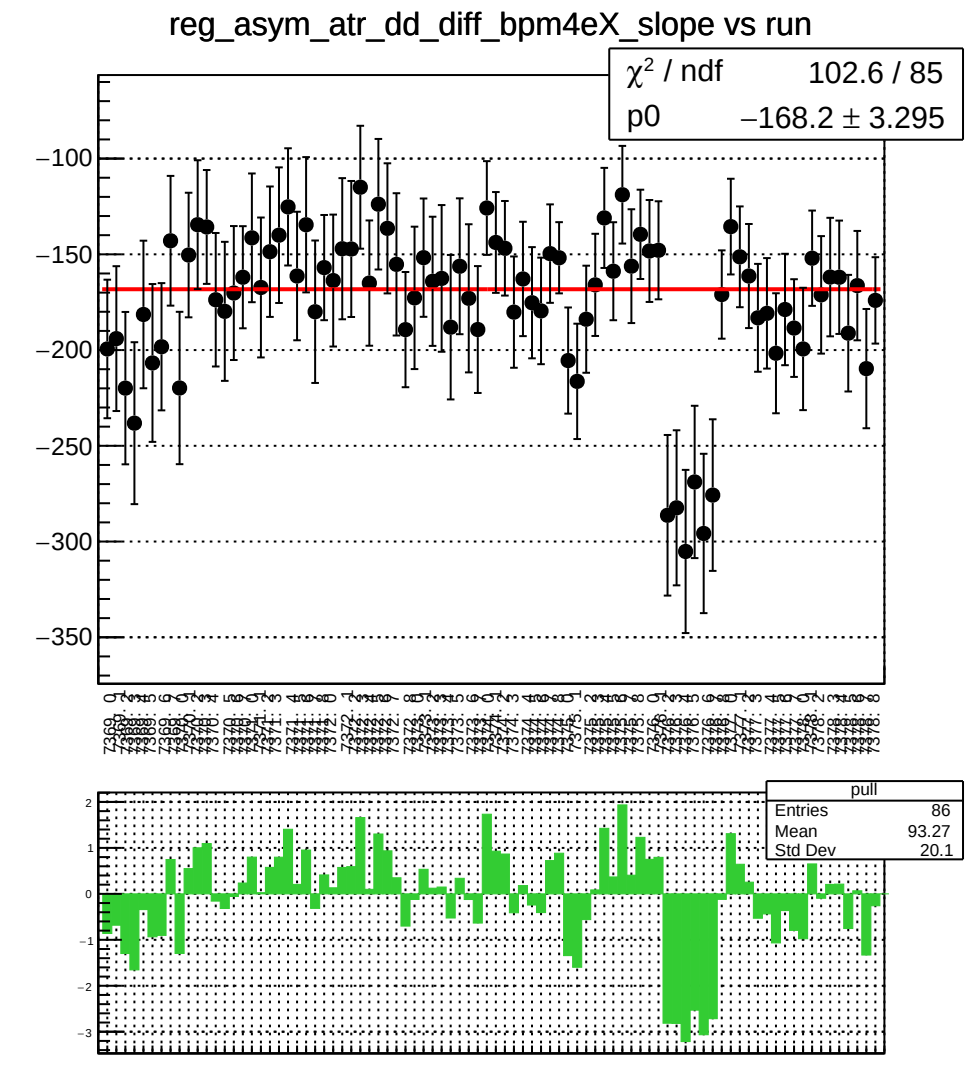

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 81.77 / 85
p0 −140.2 ± 0.1933
−134
−136
−138
−140
−142
−144
pull
Entries 86
Mean −194.4
Std Dev 235.9
2
1.5
1
0.5
0
−0.5
−1
−1.5

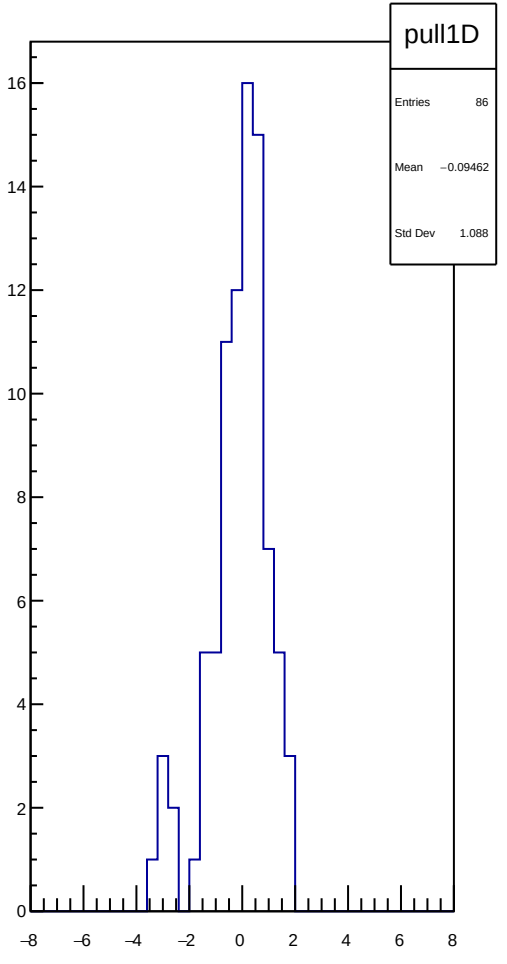

pull1D
Entries 86
Mean 0.06878
Std Dev 0.9727
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

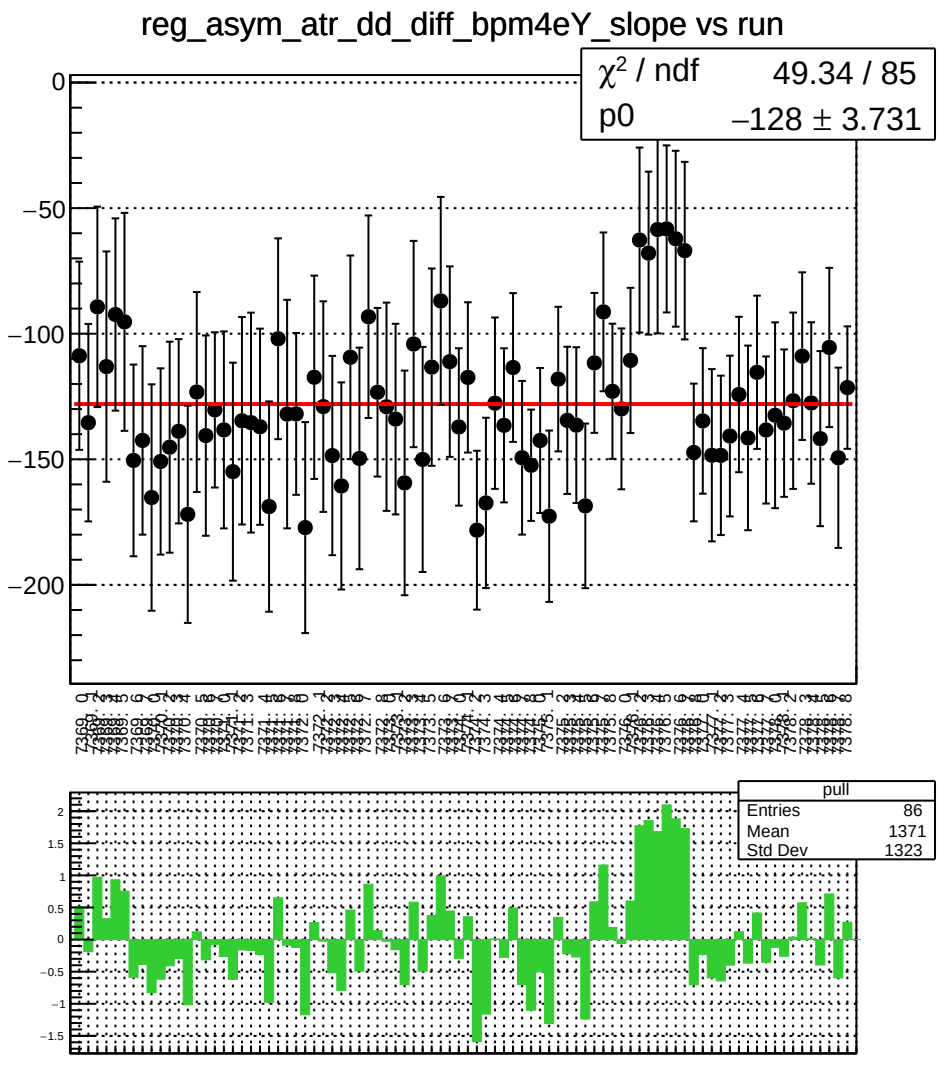

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 100.7 / 85
p0 86.28 ± 3.171
pull
Entries 86
Mean 89.98
Std Dev 17.1
pull1D
Entries 86
Mean 0.09621
Std Dev 1.078

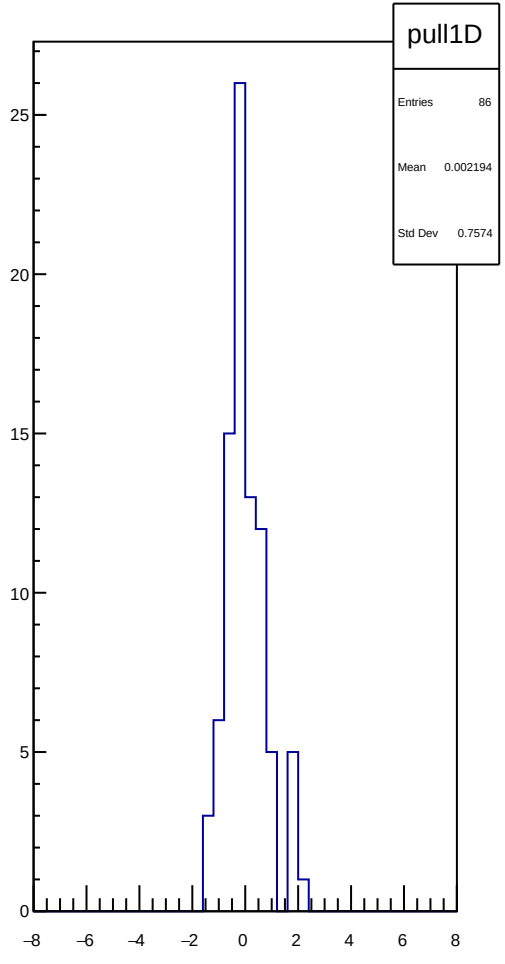

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 54.25 / 85
p0 57.16 ± 3.499
150
100
50
0
−50
pull
Entries 86
Mean −296
Std Dev 342.1
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

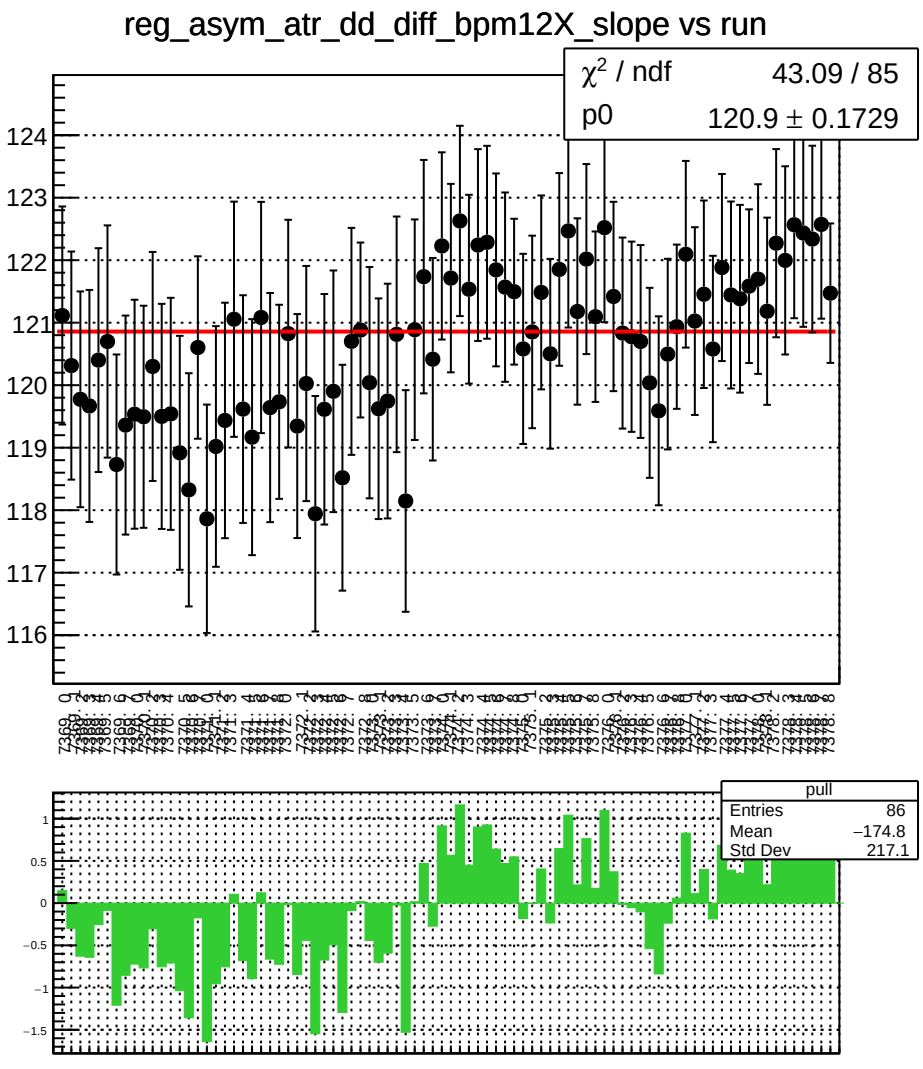

pull1D
Entries 86
Mean 0.007647
Std Dev 0.7942
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

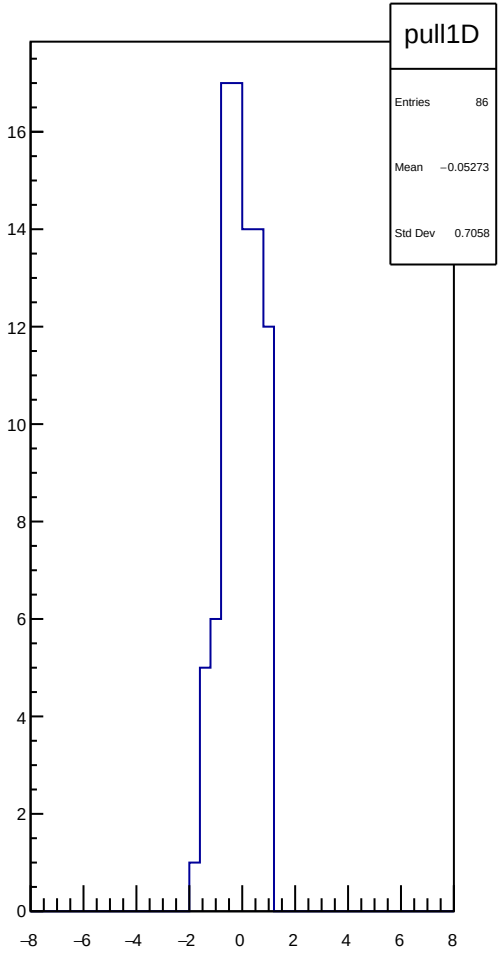

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 102.6 / 85
p0 −168.2 ± 3.295
−100
−150
−200
−250
−300
−350
pull
Entries 86
Mean 93.27
Std Dev 20.1
2
1
0
−1
−2
−3

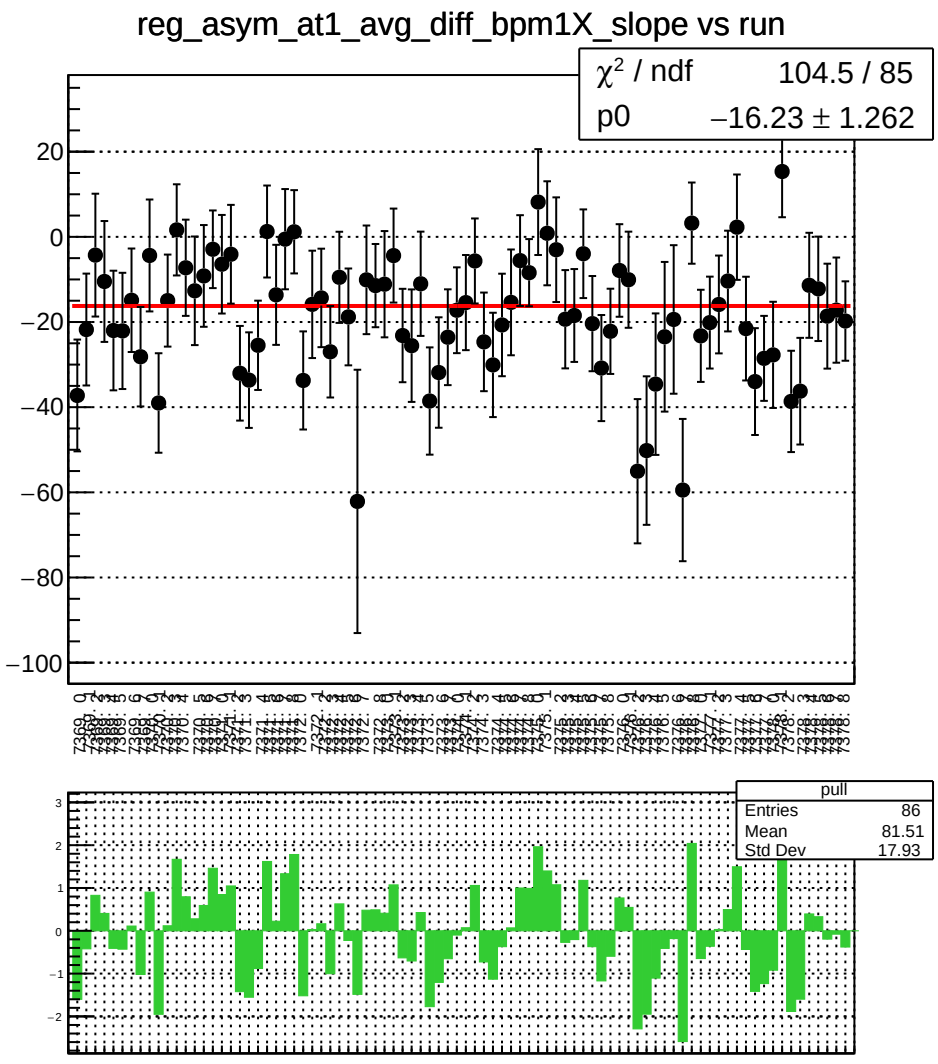

pull1D
Entries 86
Mean −0.09462
Std Dev 1.088
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

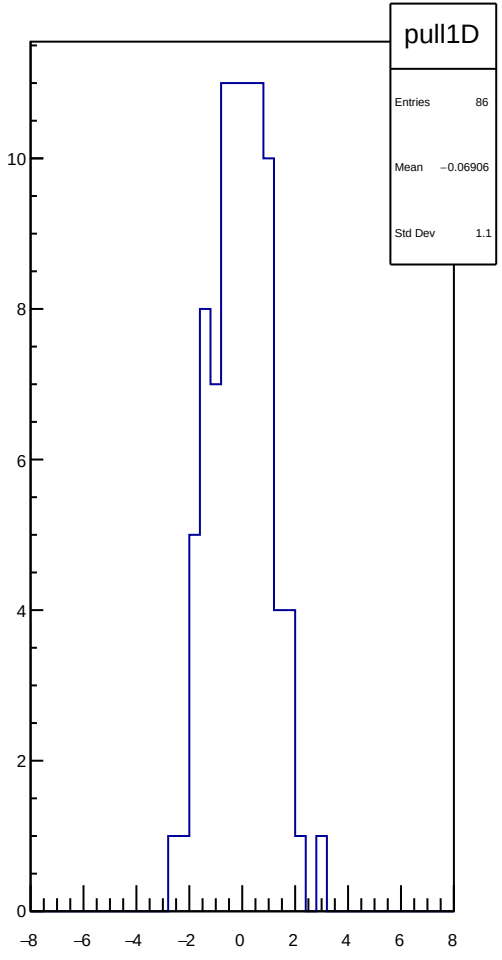

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 49.34 / 85
p0 −128 ± 3.731
0
−50
−100
−150
−200
pull
Entries 86
Mean 1371
Std Dev 1323
2
1.5
1
0.5
0
−0.5
−1
−1.5

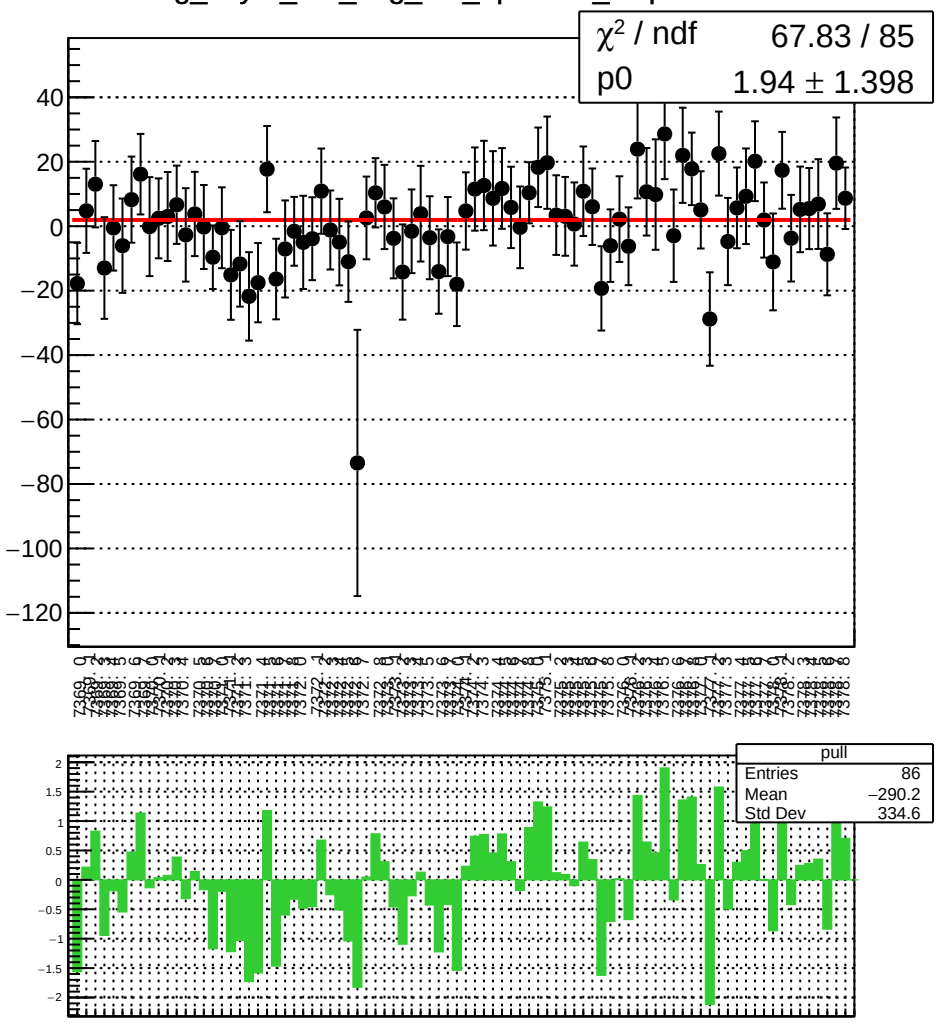

pull1D
Entries 86
Mean 0.002194
Std Dev 0.7574
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

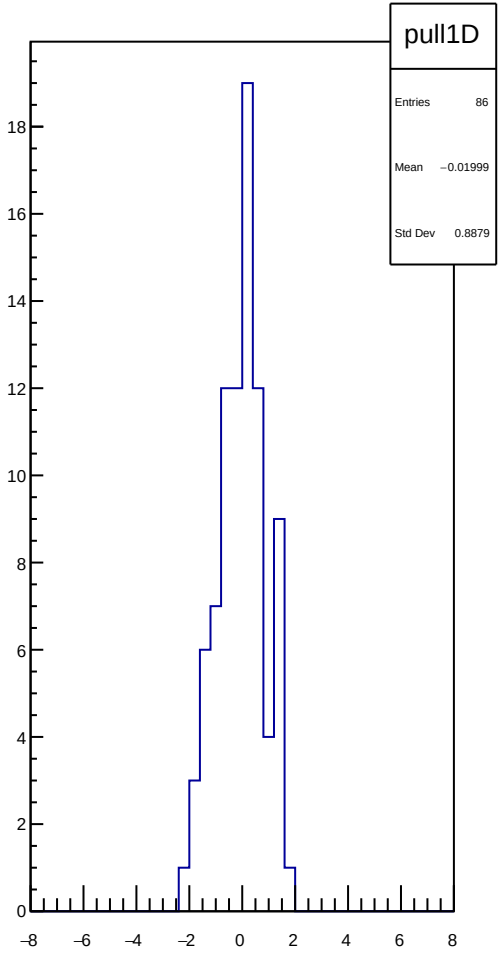

reg_asym_atr_dd_diff_bpm12X_slope vs run
$\chi^2$ / ndf 43.09 / 85
p0 120.9 ± 0.1729
pull
Entries 86
Mean −174.8
Std Dev 217.1

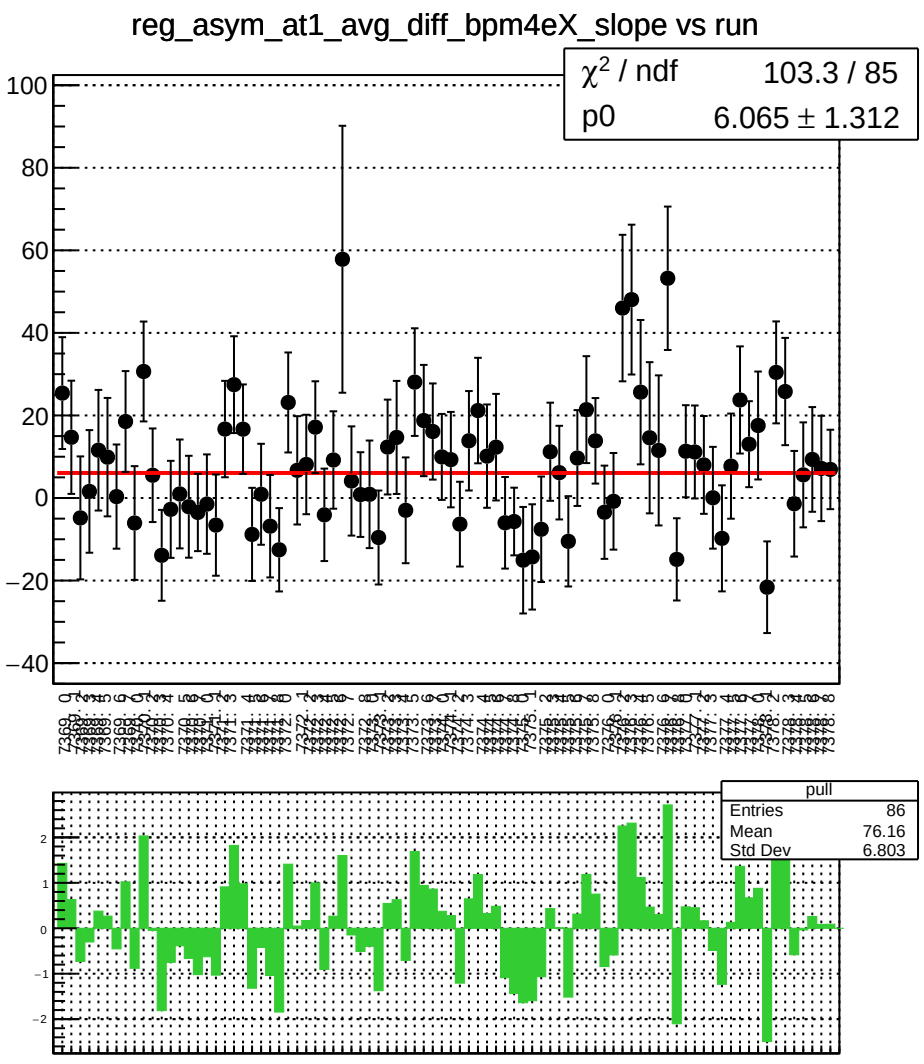

pull1D
Entries 86
Mean −0.05273
Std Dev 0.7058

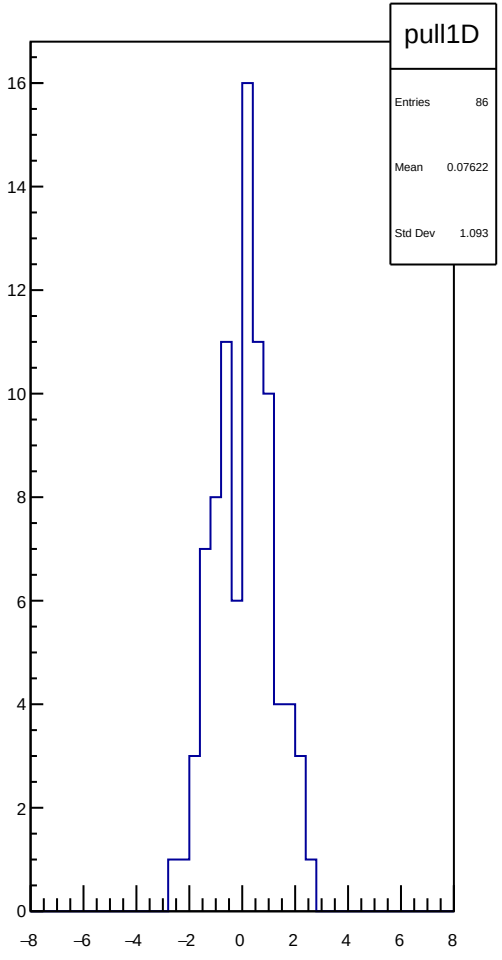

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 104.5 / 85
p0 −16.23 ± 1.262
pull
Entries 86
Mean 81.51
Std Dev 17.93

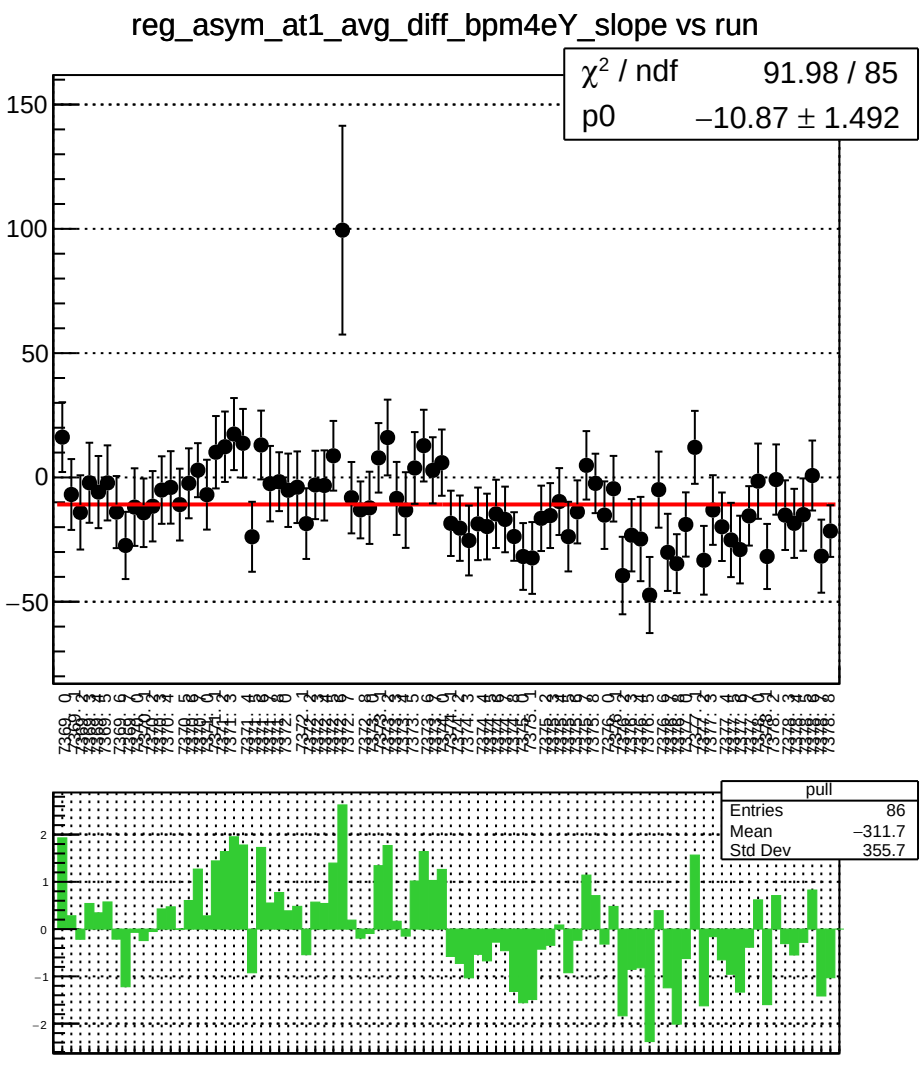

pull1D
Entries 86
Mean −0.06906
Std Dev 1.1

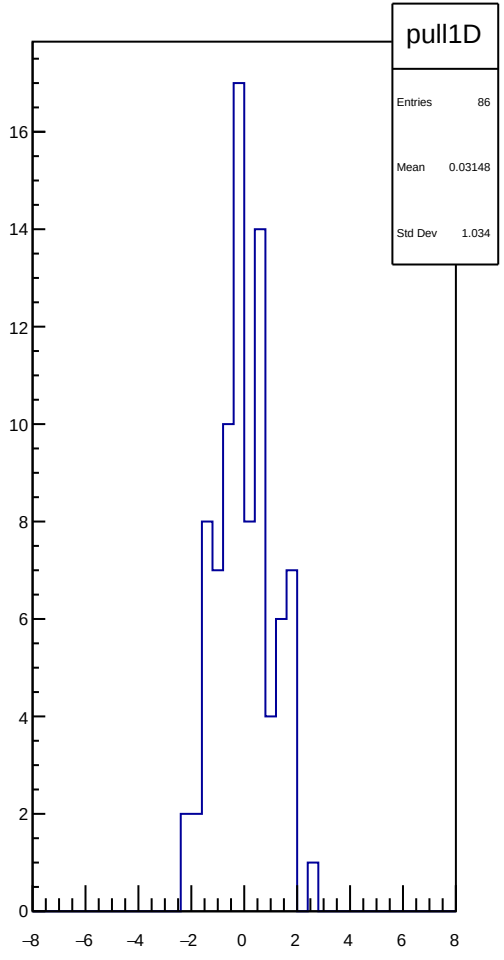

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 67.83 / 85
p0 1.94 ± 1.398
pull
Entries 86
Mean −290.2
Std Dev 334.6

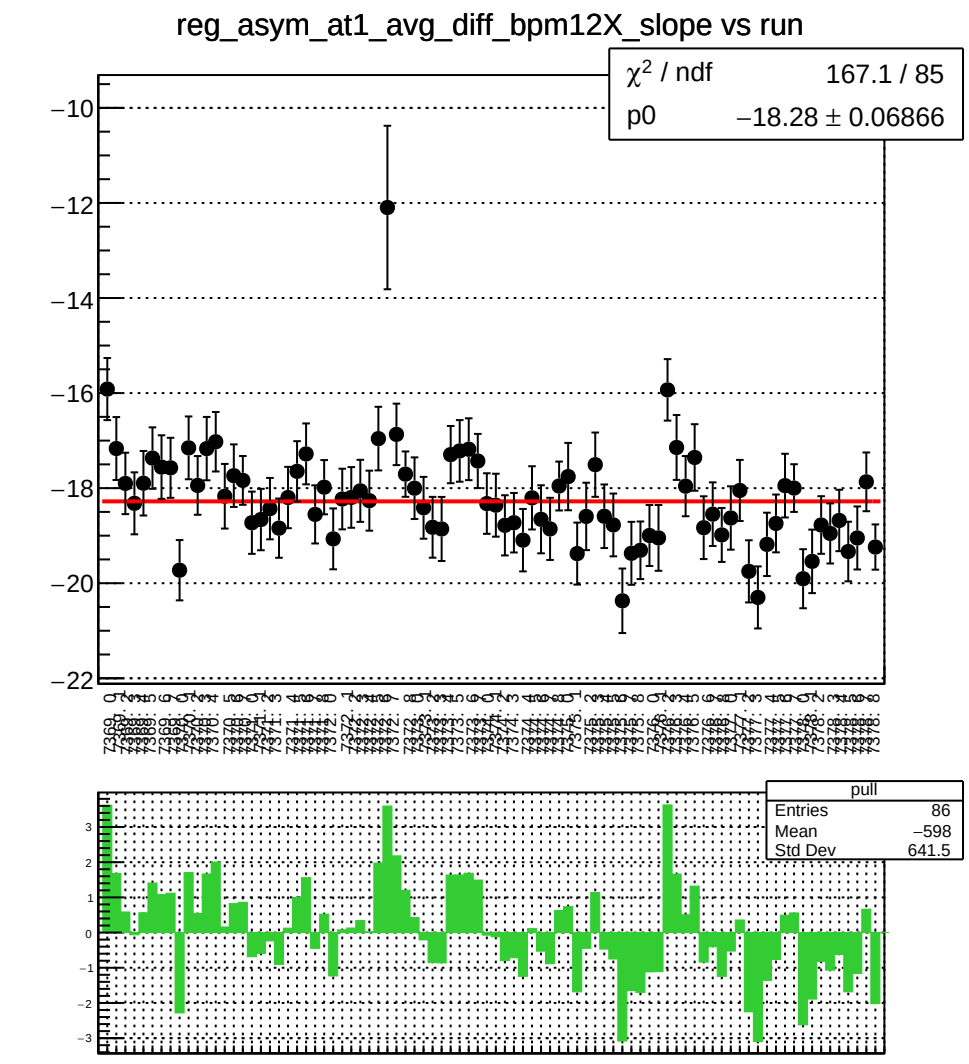

pull1D
Entries 86
Mean −0.01999
Std Dev 0.8879

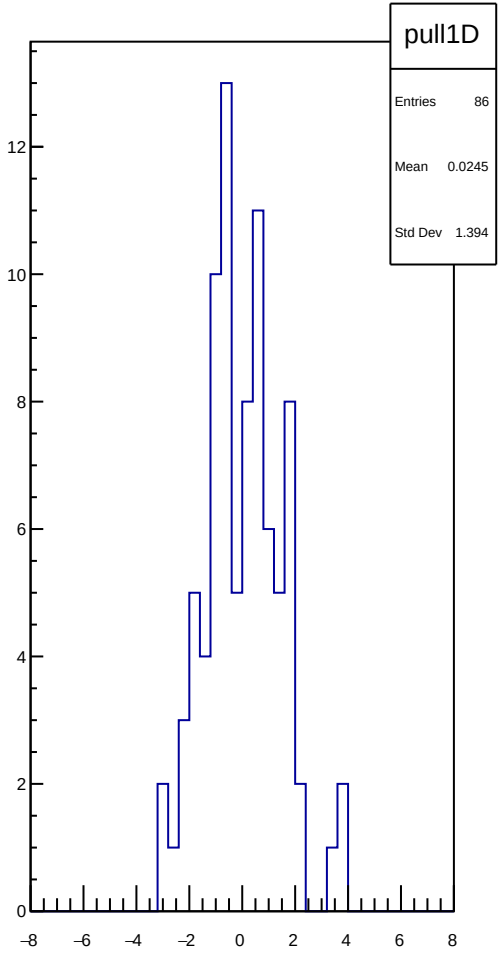

reg_asym_at1_avg_diff_bpm4eX_slope vs run
$\chi^2$ / ndf 103.3 / 85
p0 6.065 ± 1.312
pull
Entries 86
Mean 76.16
Std Dev 6.803

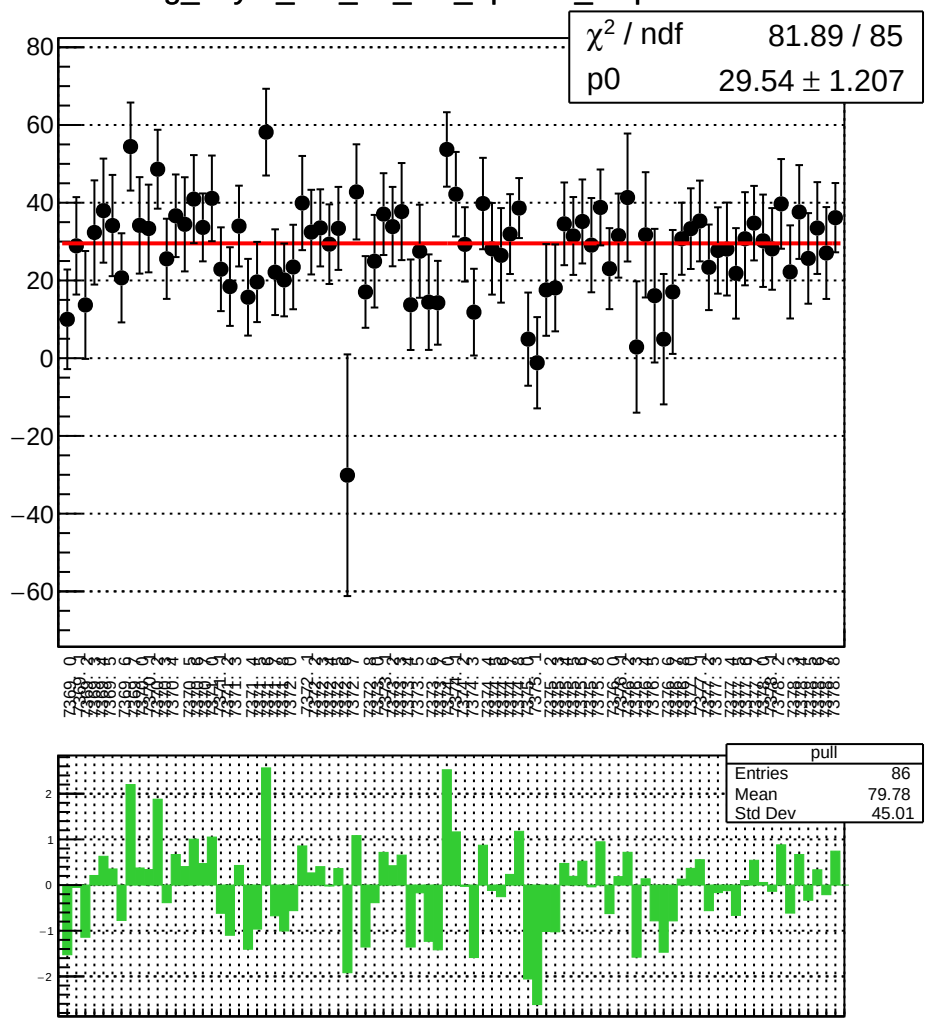

pull1D
Entries 86
Mean 0.07622
Std Dev 1.093

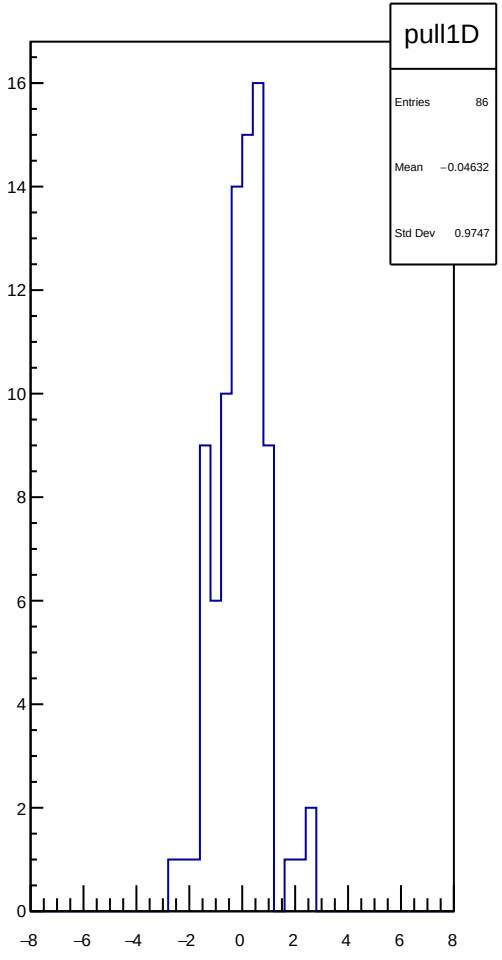

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 91.98 / 85
p0 −10.87 ± 1.492
150
100
50
0
−50
pull
Entries 86
Mean −311.7
Std Dev 355.7
2
1
0
−1
−2

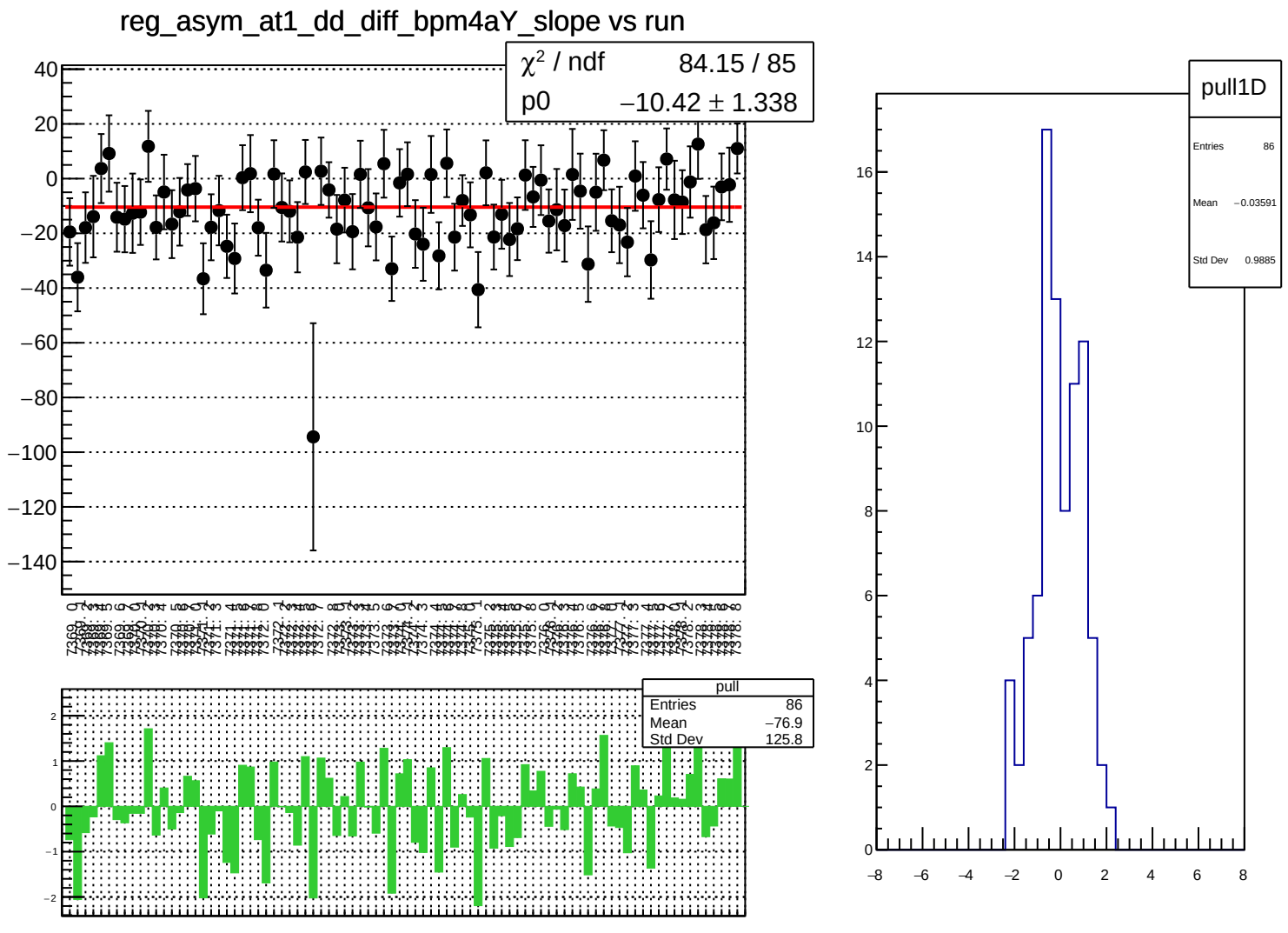

pull1D
Entries 86
Mean 0.03148
Std Dev 1.034
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

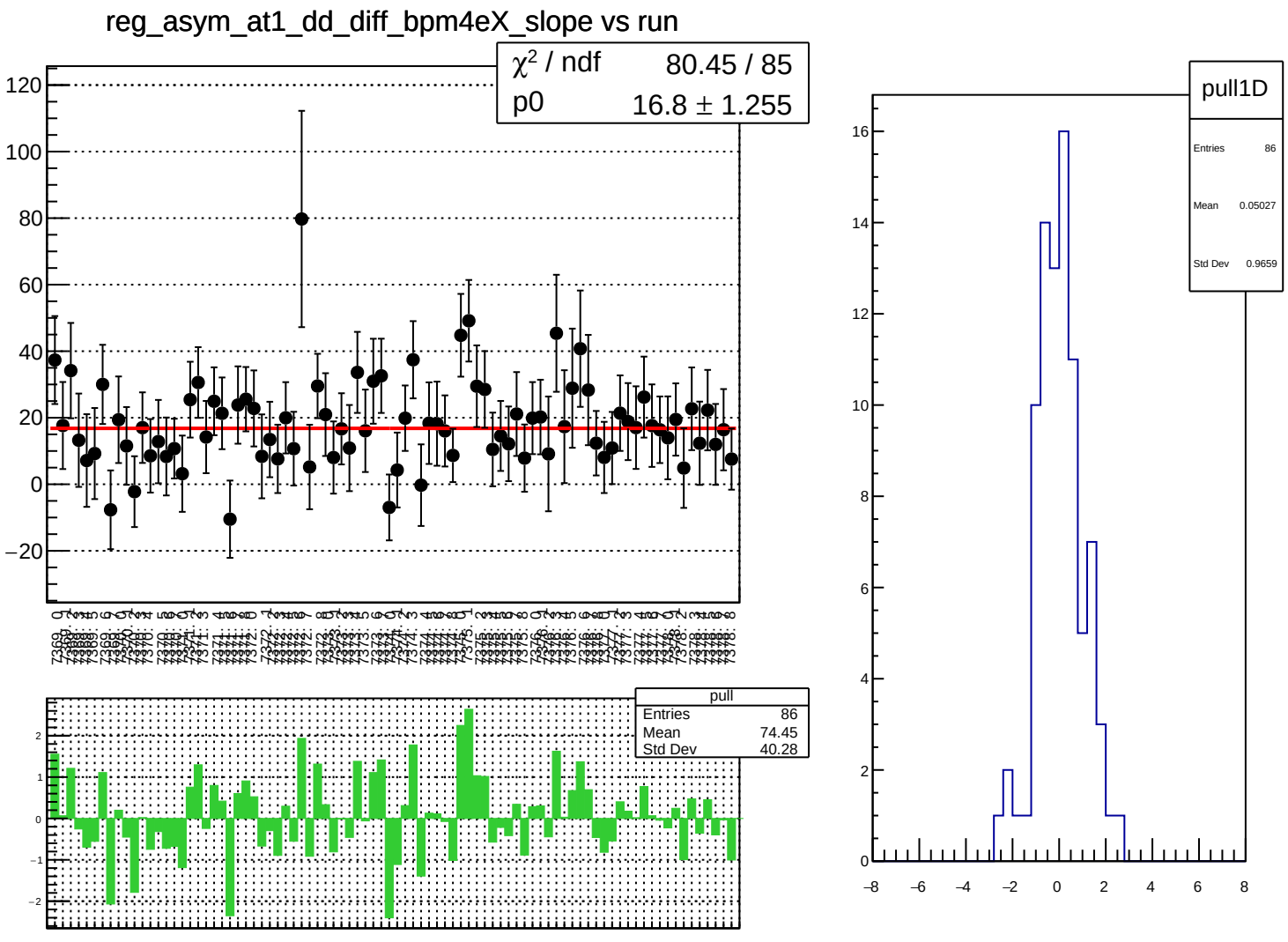

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 167.1 / 85
p0 −18.28 ± 0.06866
pull
Entries 86
Mean −598
Std Dev 641.5

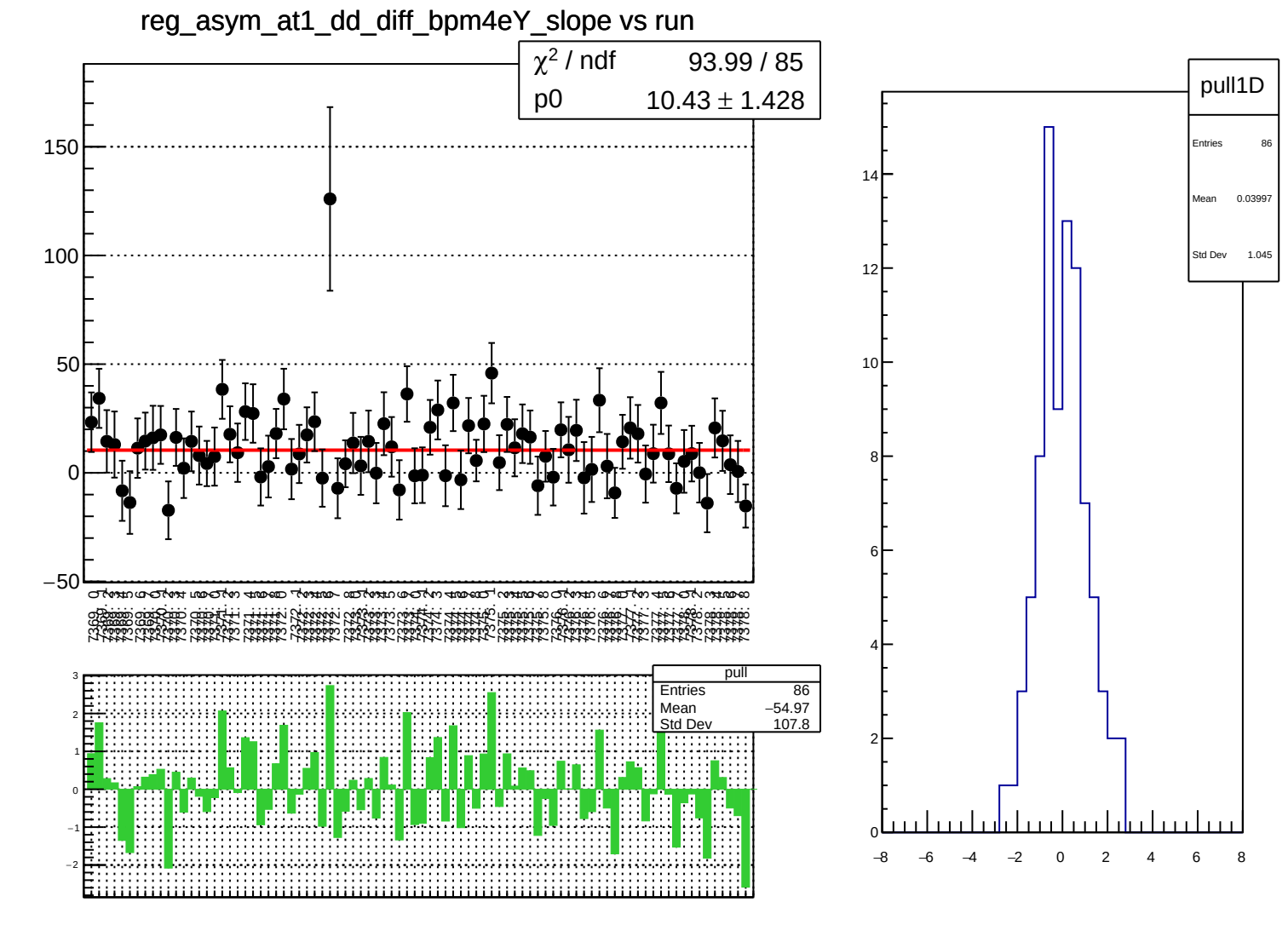

pull1D
Entries 86
Mean 0.0245
Std Dev 1.394

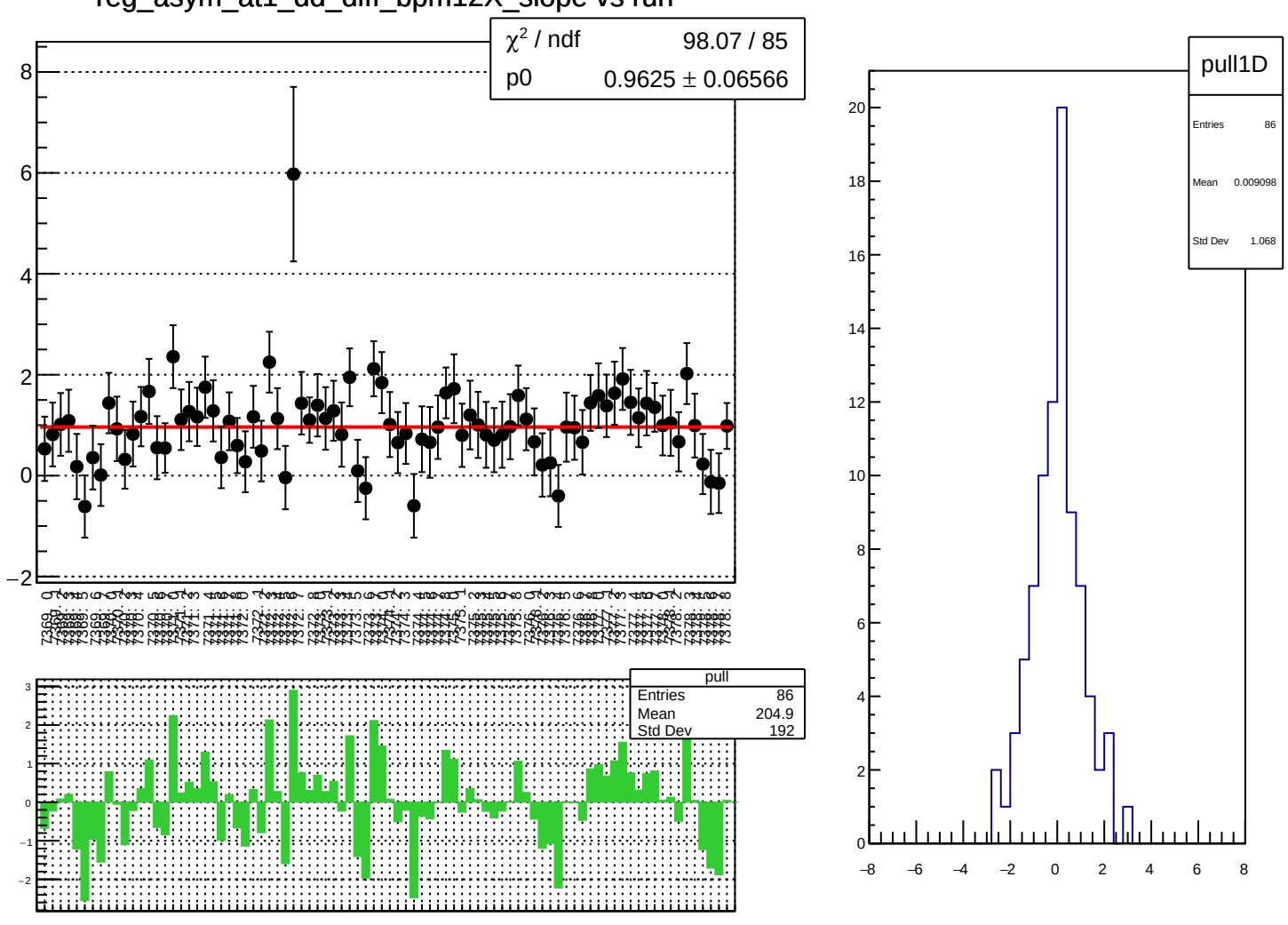

reg_asym_at1_dd_diff_bpm1X_slope vs run
$\chi^2$ / ndf 81.89 / 85
p0 29.54 ± 1.207
pull
Entries 86
Mean 79.78
Std Dev 45.01

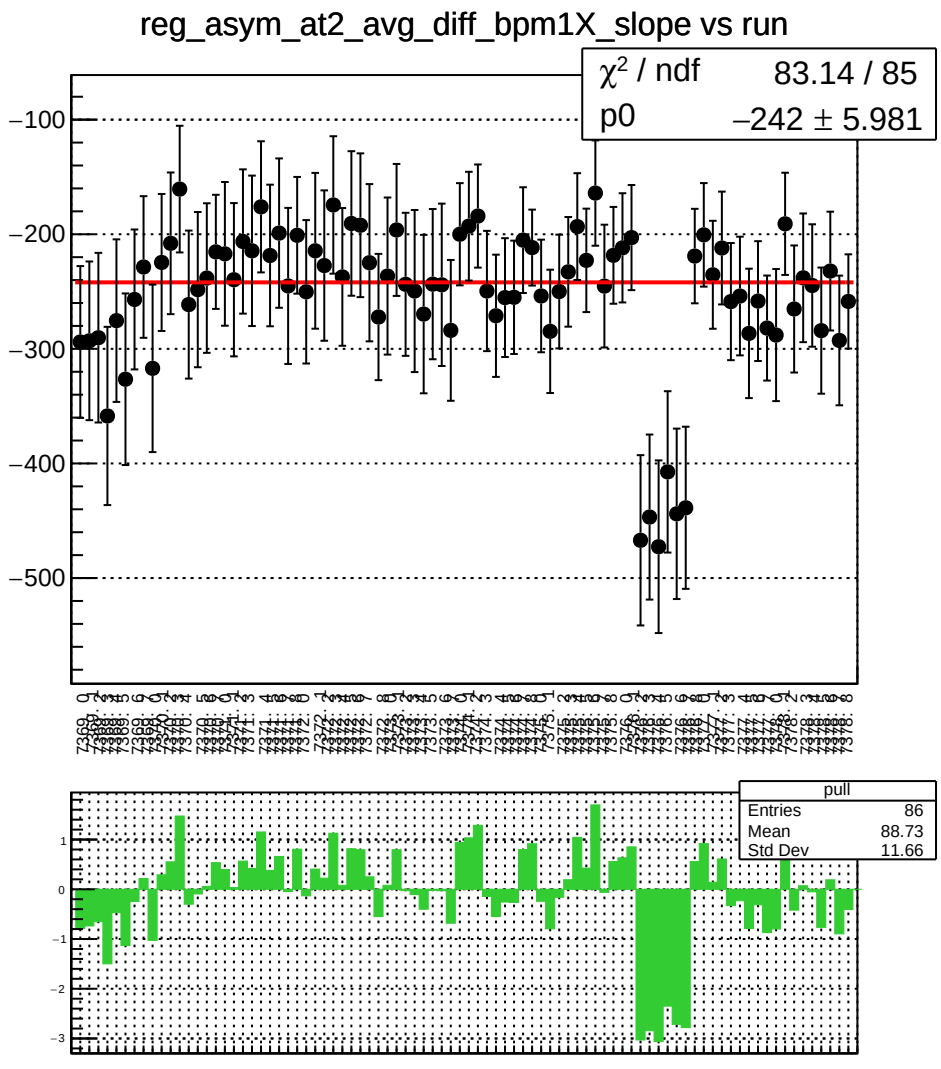

pull1D
Entries 86
Mean −0.04632
Std Dev 0.9747

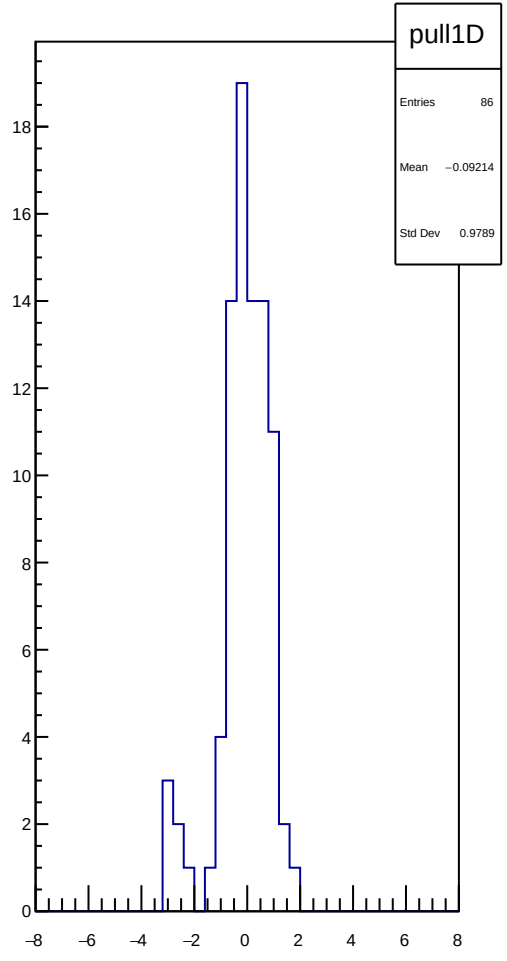

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 84.15 / 85
p0 −10.42 ± 1.338
pull
Entries 86
Mean −76.9
Std Dev 125.8
pull1D
Entries 86
Mean −0.03591
Std Dev 0.9885

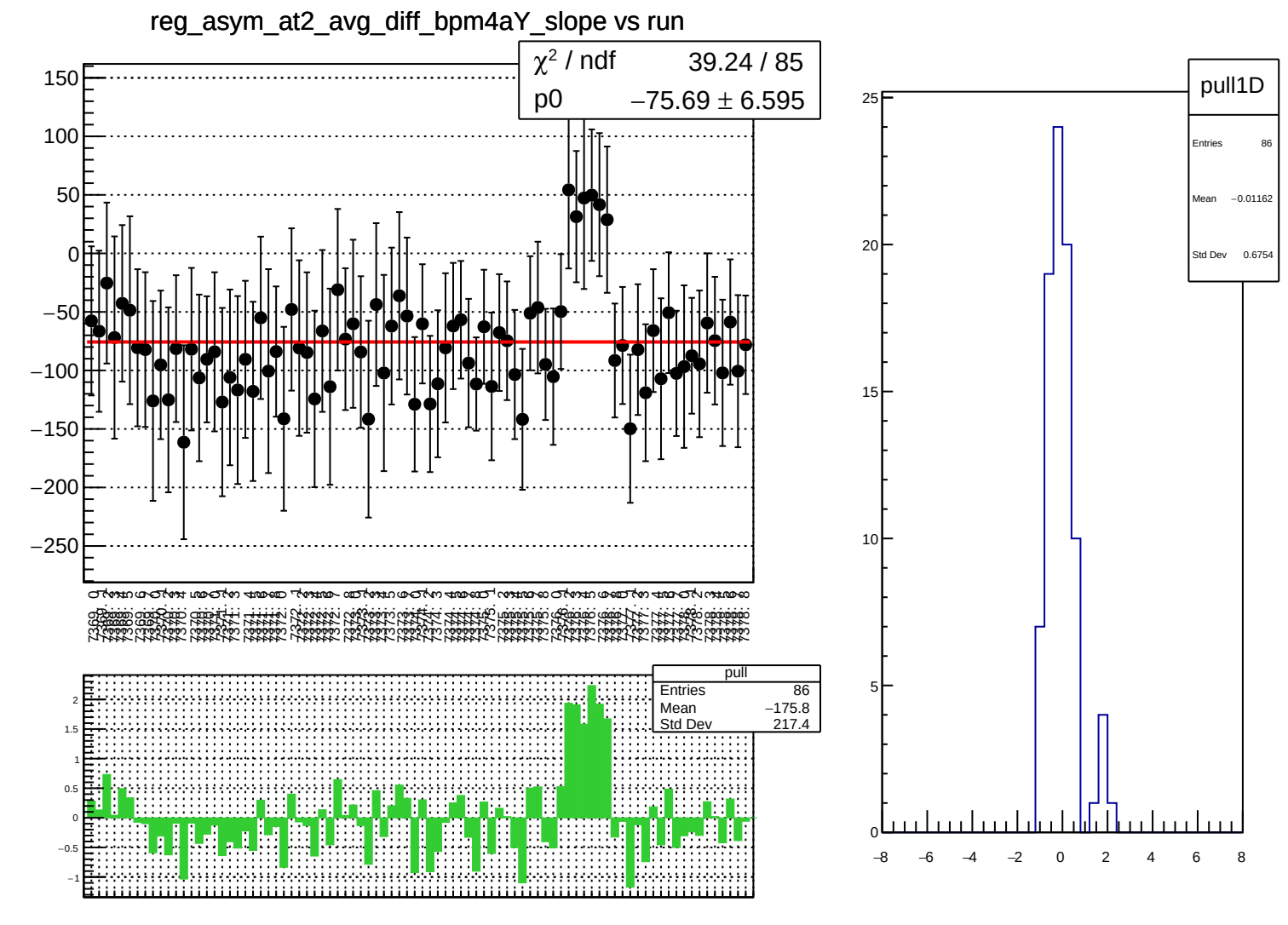

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 80.45 / 85
p0 16.8 ± 1.255
120
100
80
60
40
20
0
−20
pull
Entries 86
Mean 74.45
Std Dev 40.28
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.05027
Std Dev 0.9659
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

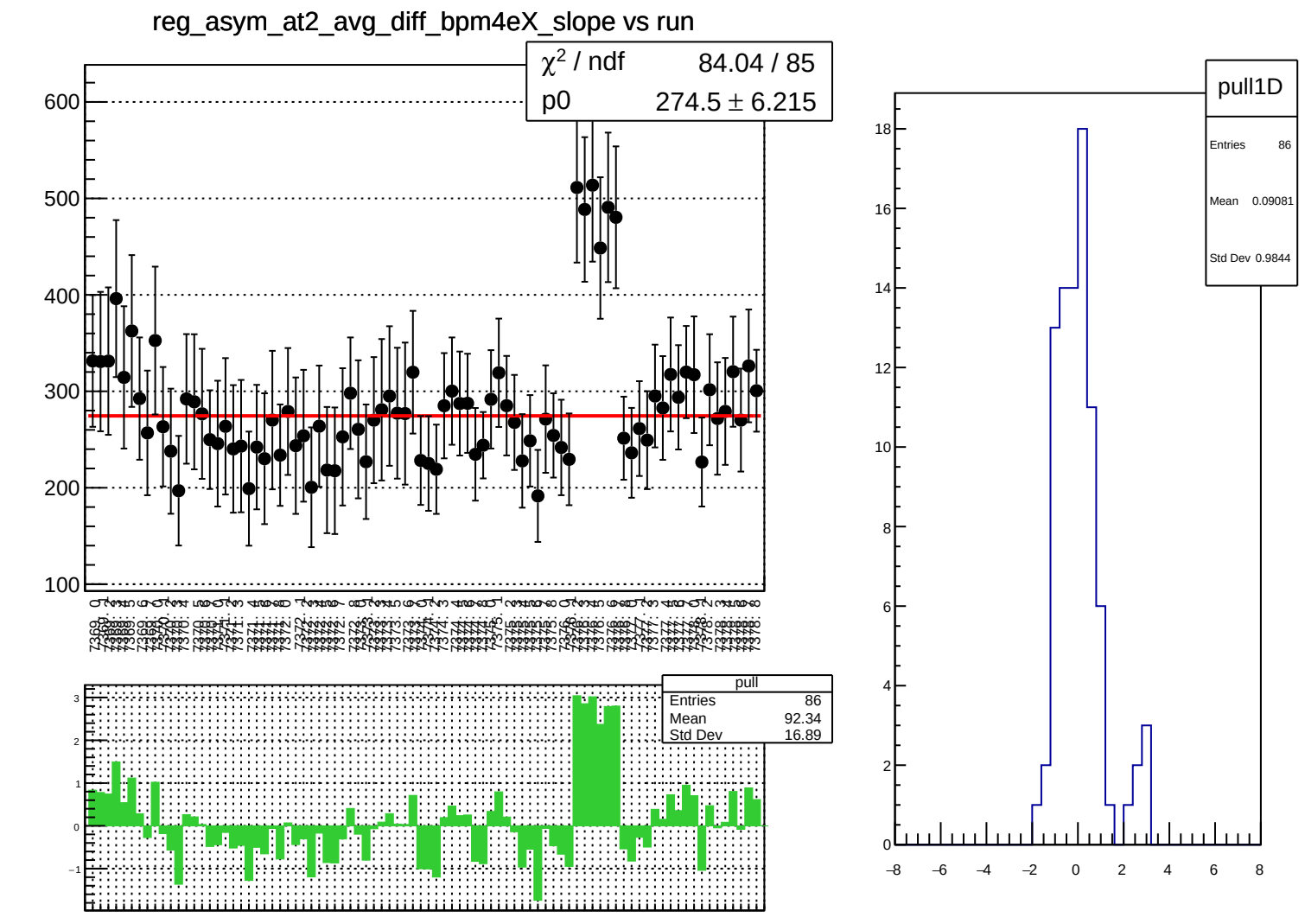

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 93.99 / 85
p0 10.43 ± 1.428
150
100
50
0
−50
pull
Entries 86
Mean −54.97
Std Dev 107.8
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.03997
Std Dev 1.045
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

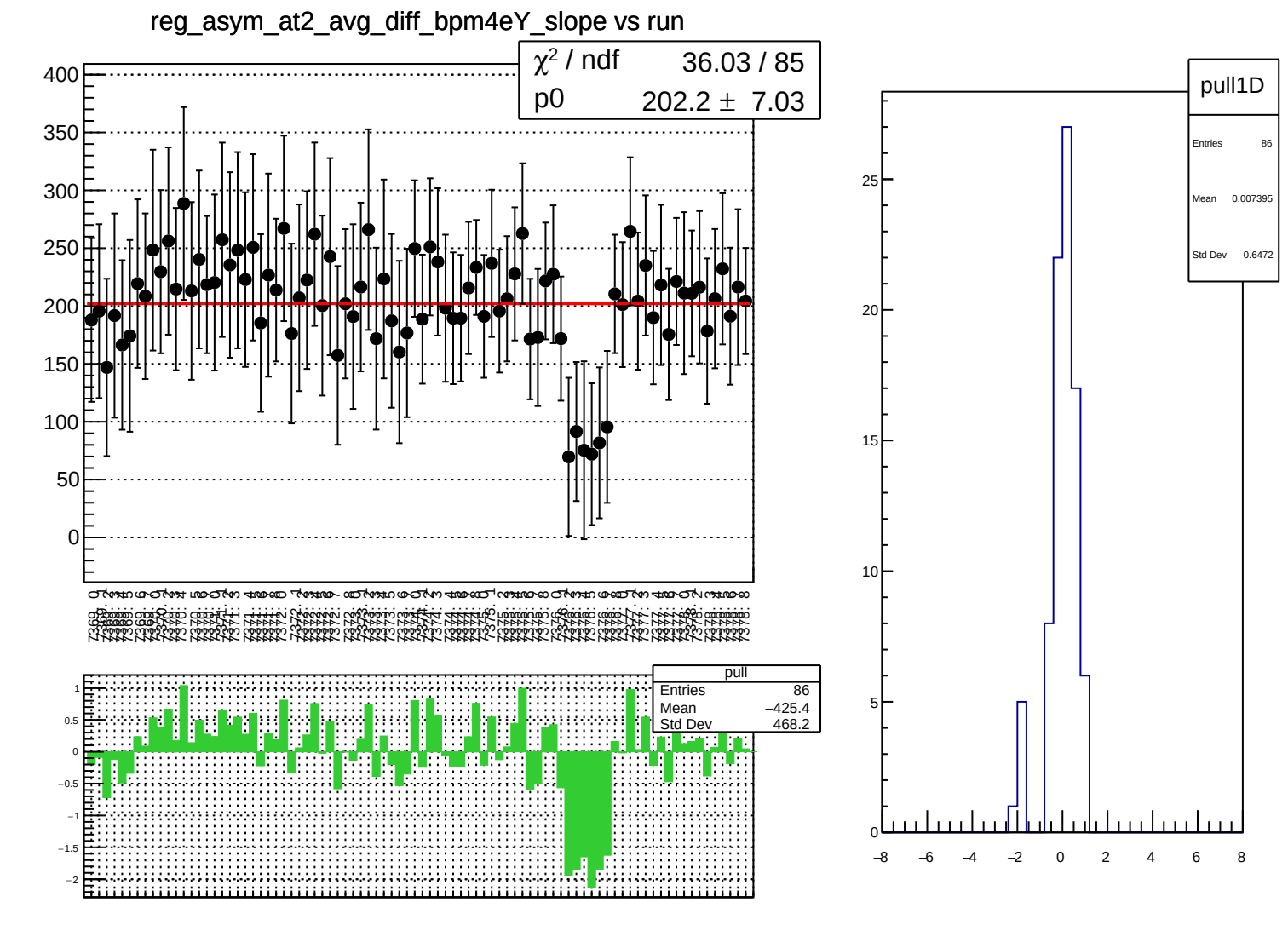

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 98.07 / 85
p0 0.9625 ± 0.06566
pull
Entries 86
Mean 204.9
Std Dev 192
pull1D
Entries 86
Mean 0.009098
Std Dev 1.068

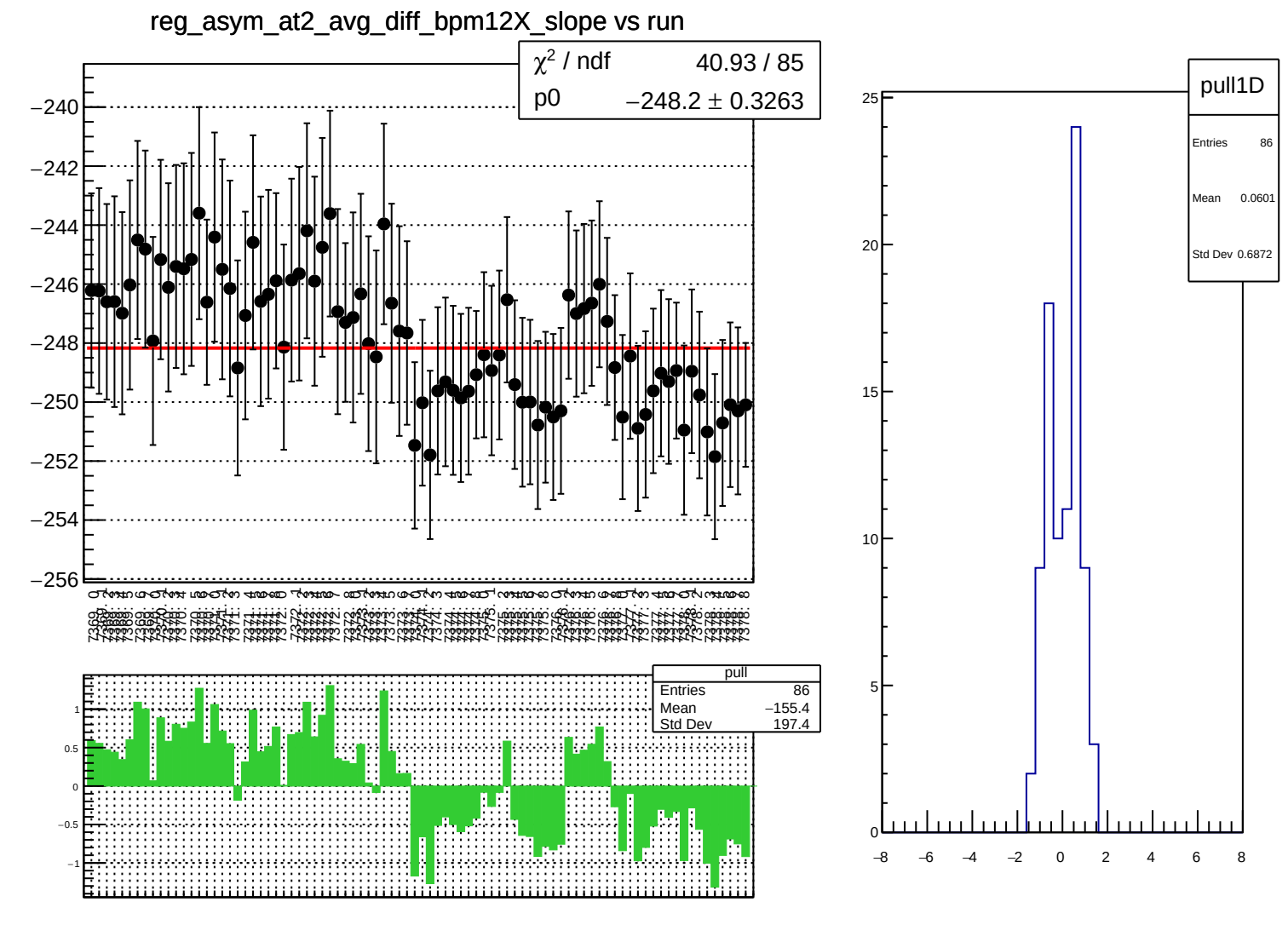

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 83.14 / 85
p0 −242 ± 5.981
−100
−200
−300
−400
−500
pull
Entries 86
Mean 88.73
Std Dev 11.66
1
0
−1
−2
−3

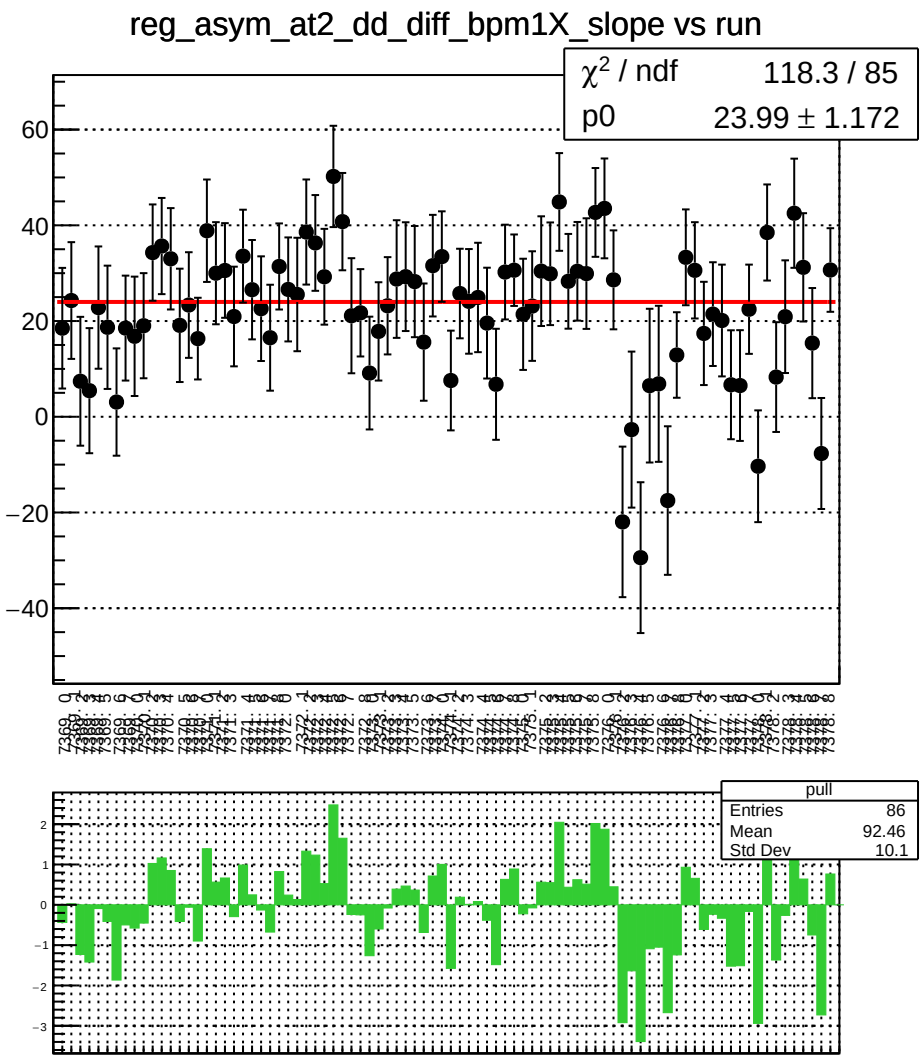

pull1D
Entries 86
Mean −0.09214
Std Dev 0.9789
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

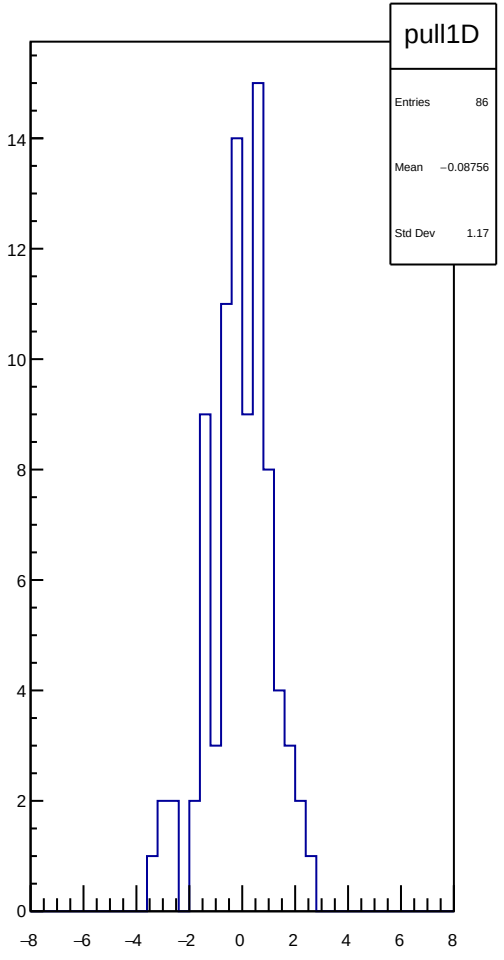

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.24 / 85
p0 −75.69 ± 6.595
pull
Entries 86
Mean −175.8
Std Dev 217.4
pull1D
Entries 86
Mean −0.01162
Std Dev 0.6754

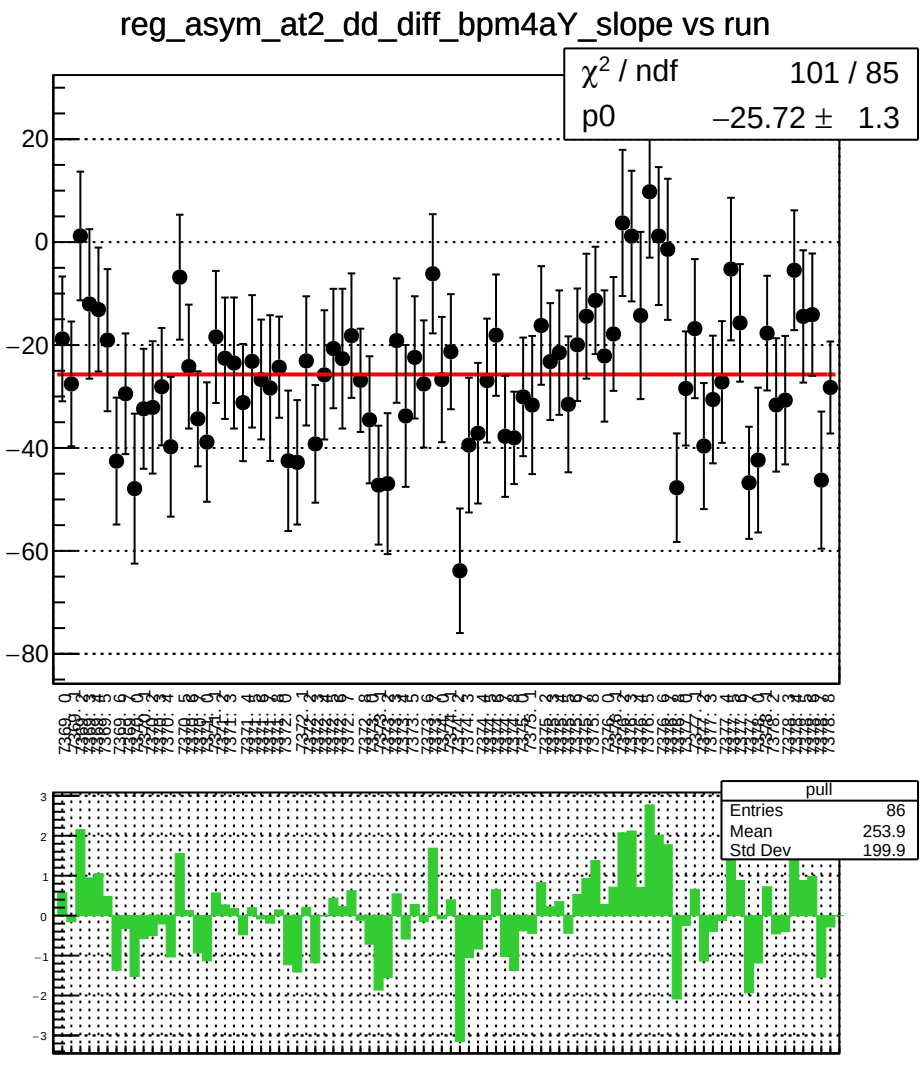

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 84.04 / 85
p0 274.5 ± 6.215
pull
Entries 86
Mean 92.34
Std Dev 16.89
pull1D
Entries 86
Mean 0.09081
Std Dev 0.9844

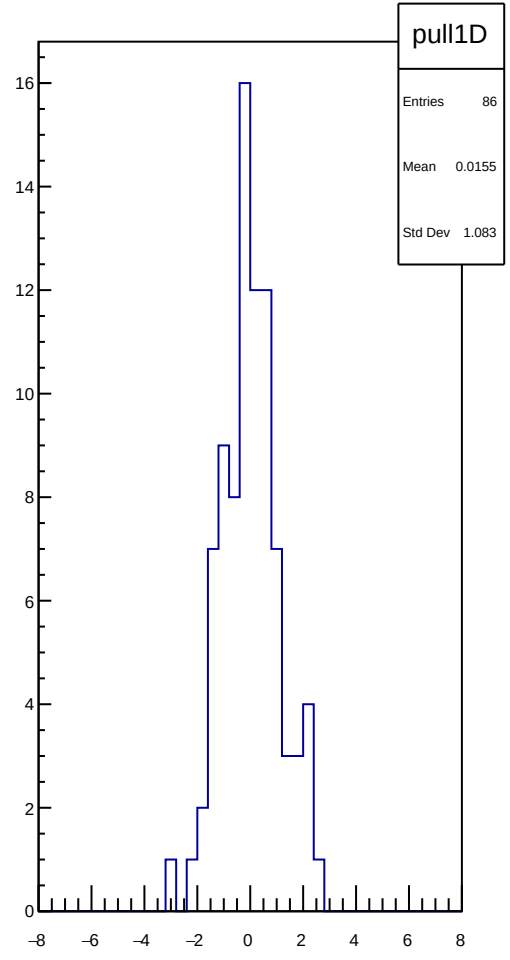

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.03 / 85
p0 202.2 ± 7.03
pull
Entries 86
Mean −425.4
Std Dev 468.2
pull1D
Entries 86
Mean 0.007395
Std Dev 0.6472

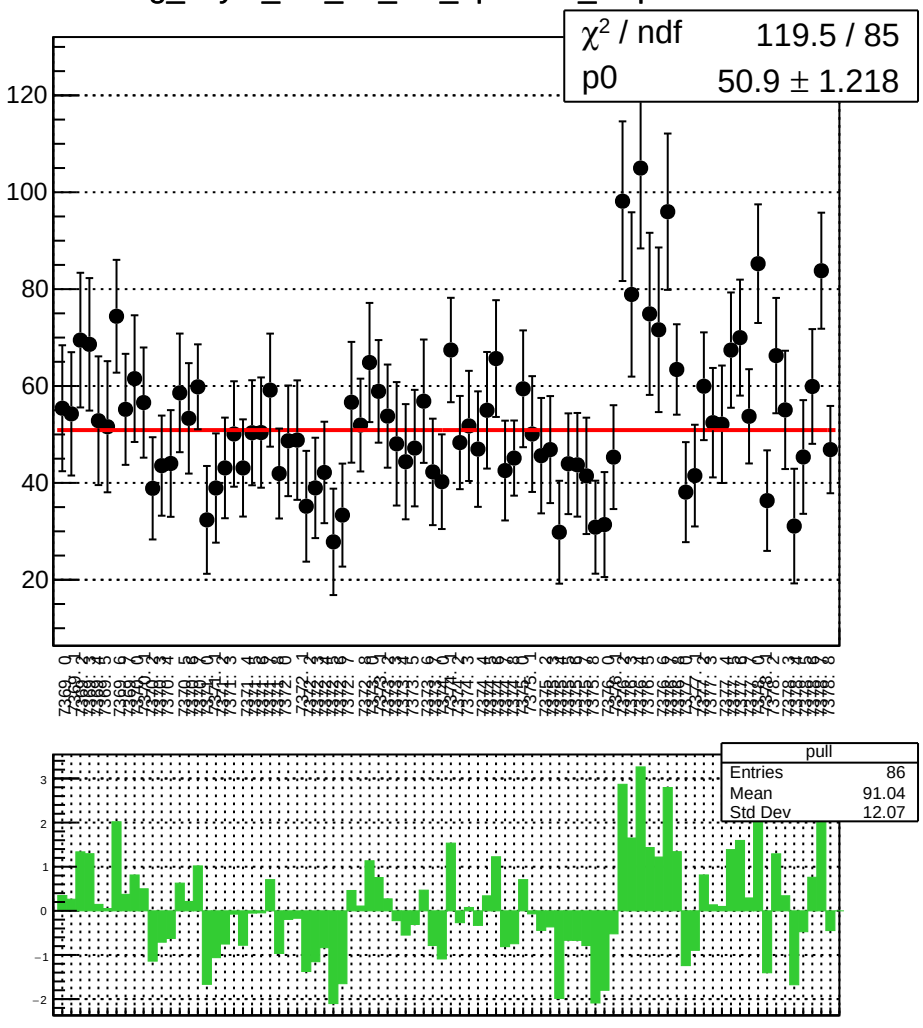

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 40.93 / 85
p0 −248.2 ± 0.3263
pull
Entries 86
Mean −155.4
Std Dev 197.4
pull1D
Entries 86
Mean 0.0601
Std Dev 0.6872

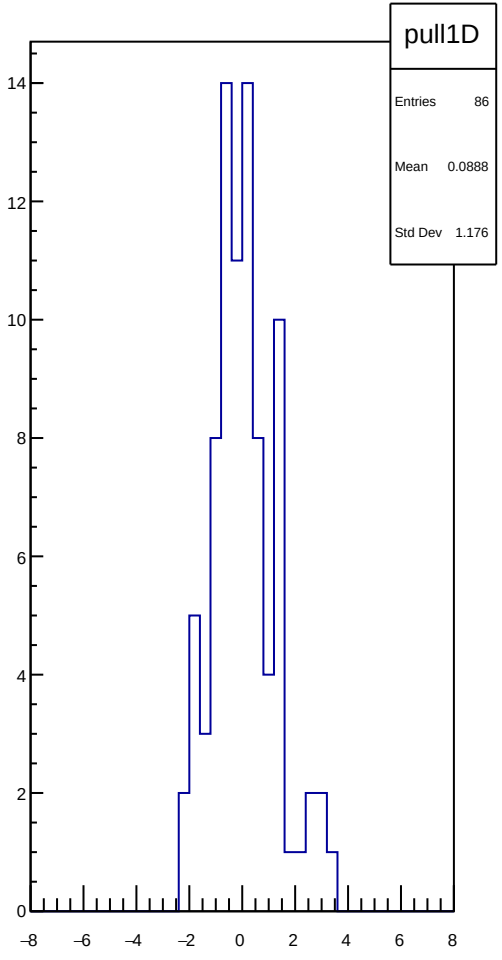

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 118.3 / 85
p0 23.99 ± 1.172
pull
Entries 86
Mean 92.46
Std Dev 10.1

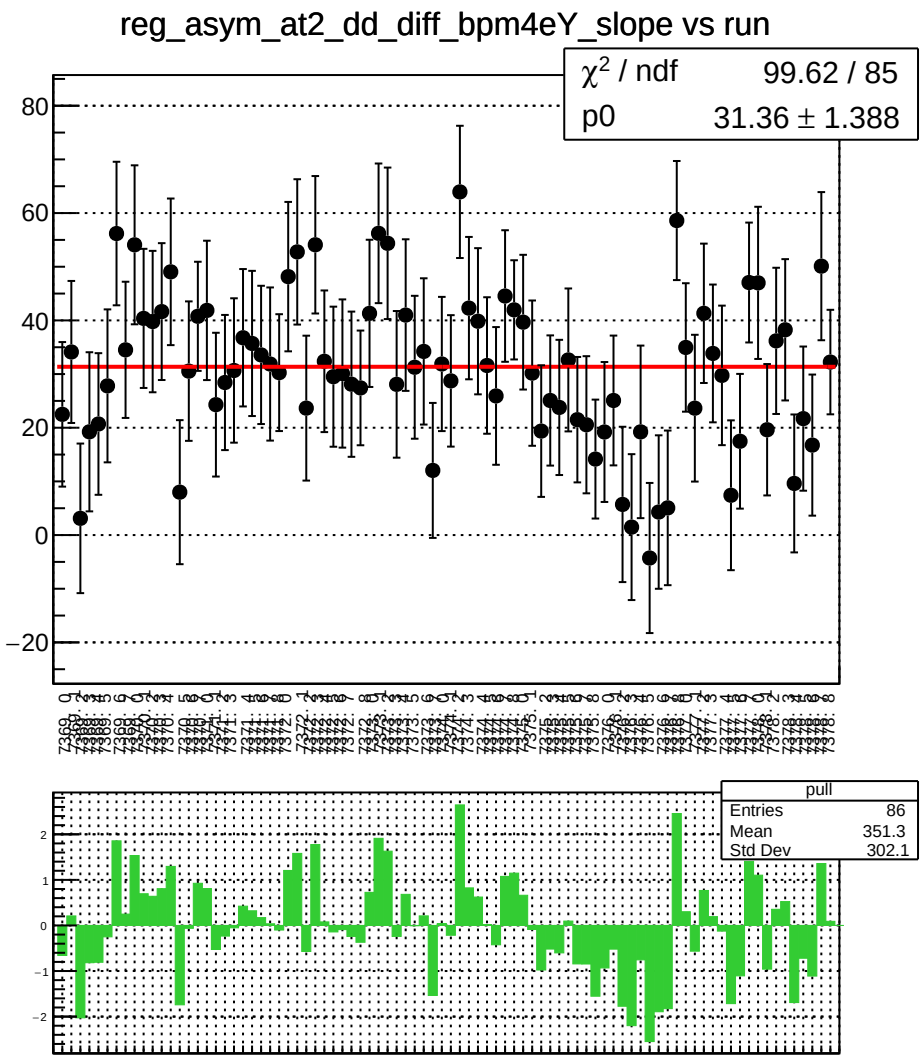

pull1D
Entries 86
Mean −0.08756
Std Dev 1.17

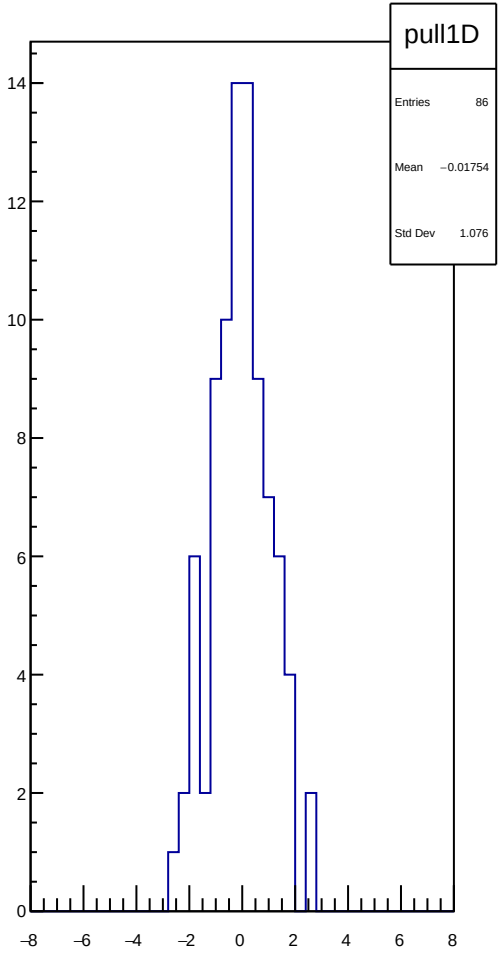

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 101 / 85
p0 −25.72 ± 1.3
pull
Entries 86
Mean 253.9
Std Dev 199.9

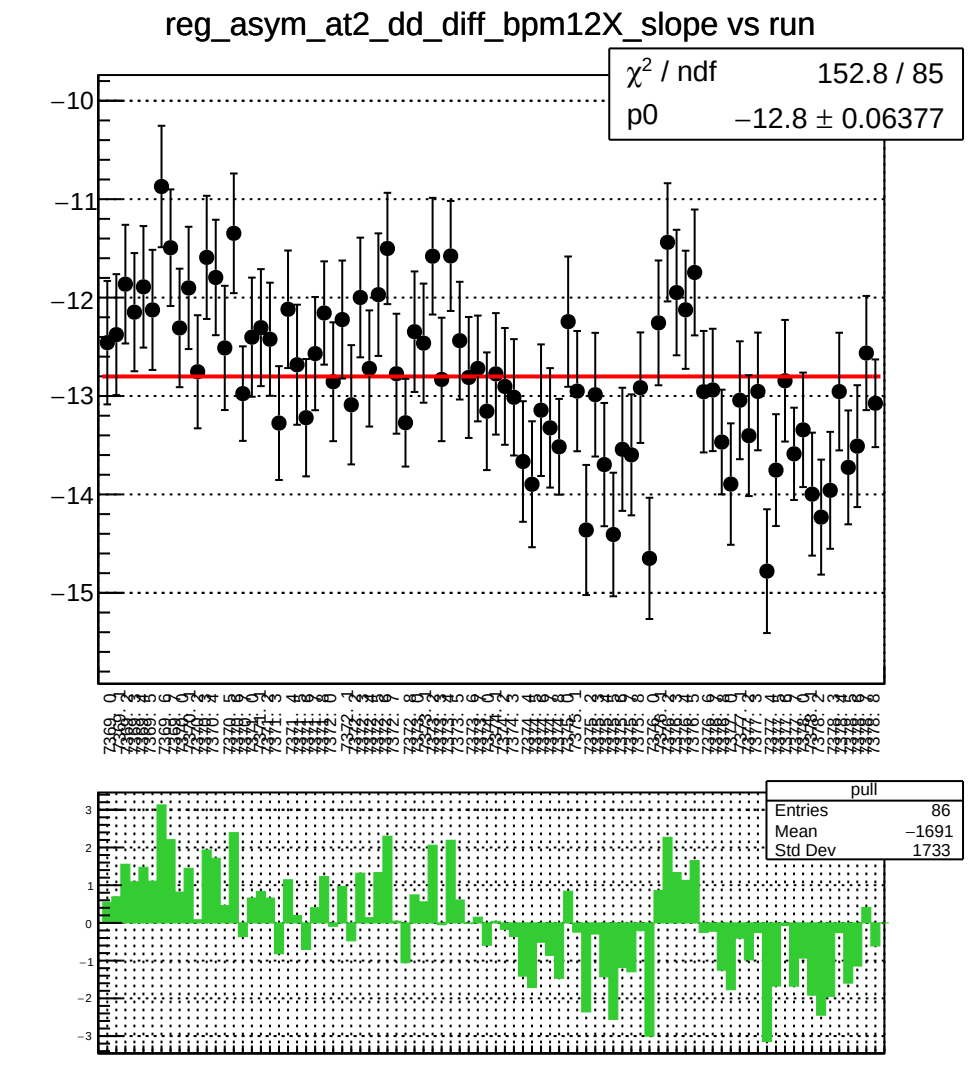

pull1D
Entries 86
Mean 0.0155
Std Dev 1.083

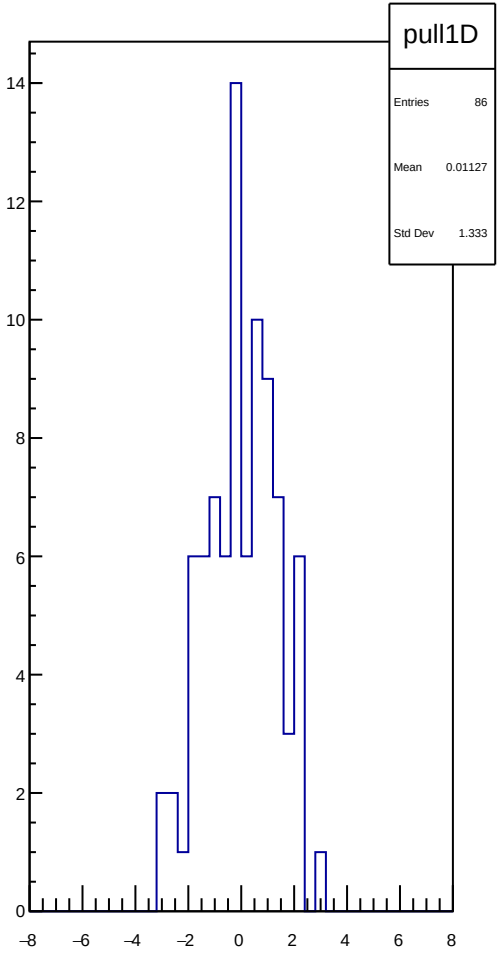

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 119.5 / 85
p0 50.9 ± 1.218
pull
Entries 86
Mean 91.04
Std Dev 12.07

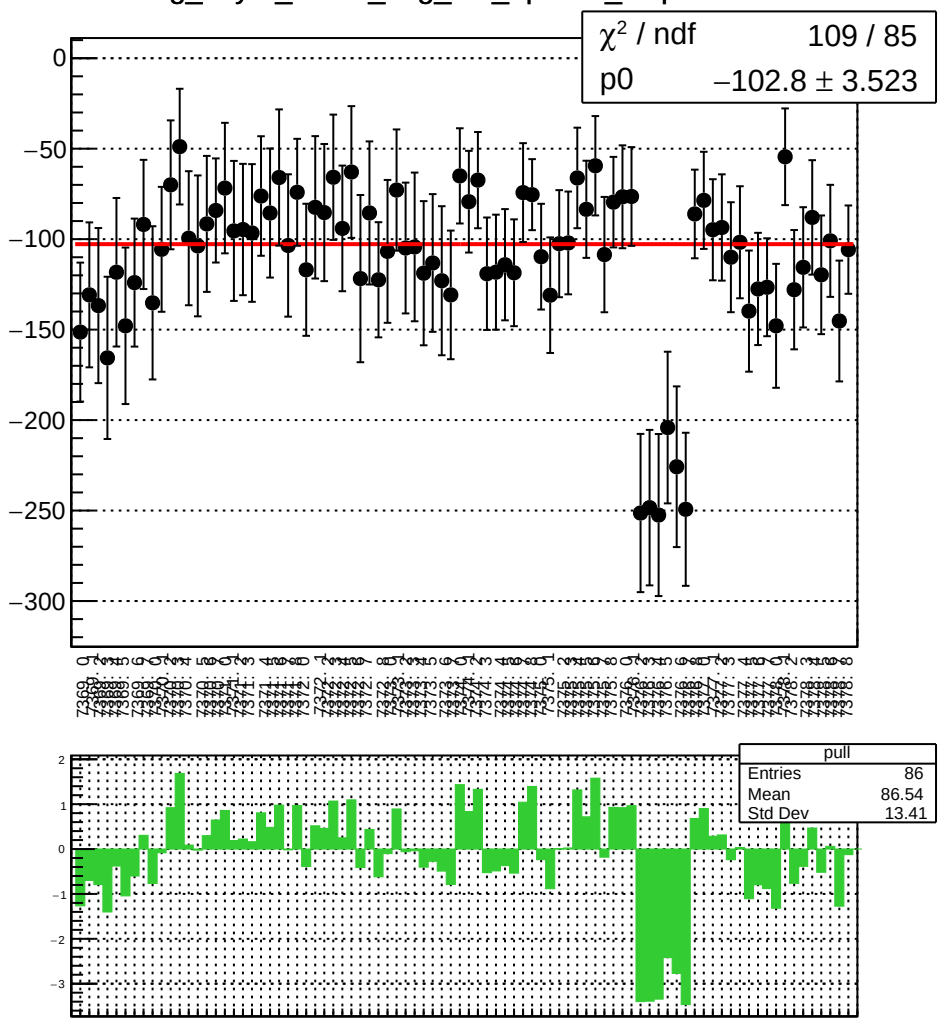

pull1D
Entries 86
Mean 0.0888
Std Dev 1.176

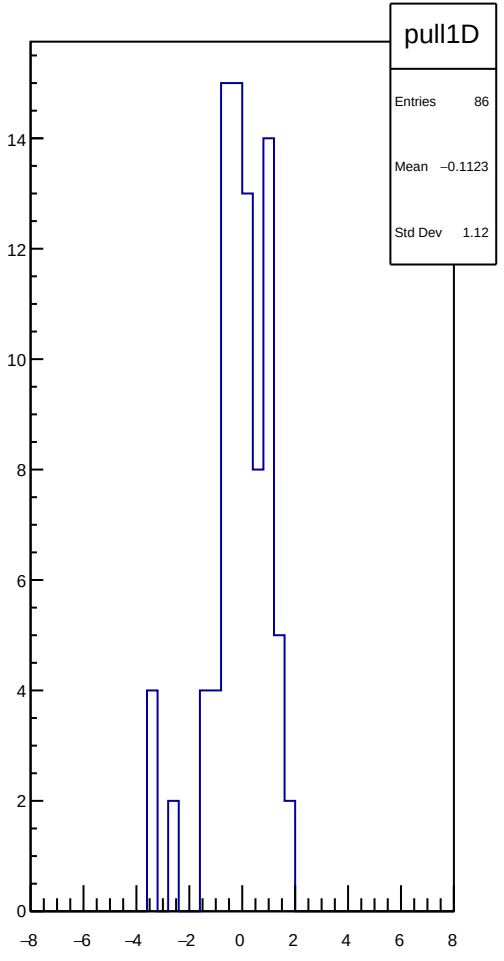

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 99.62 / 85
p0 31.36 ± 1.388
pull
Entries 86
Mean 351.3
Std Dev 302.1

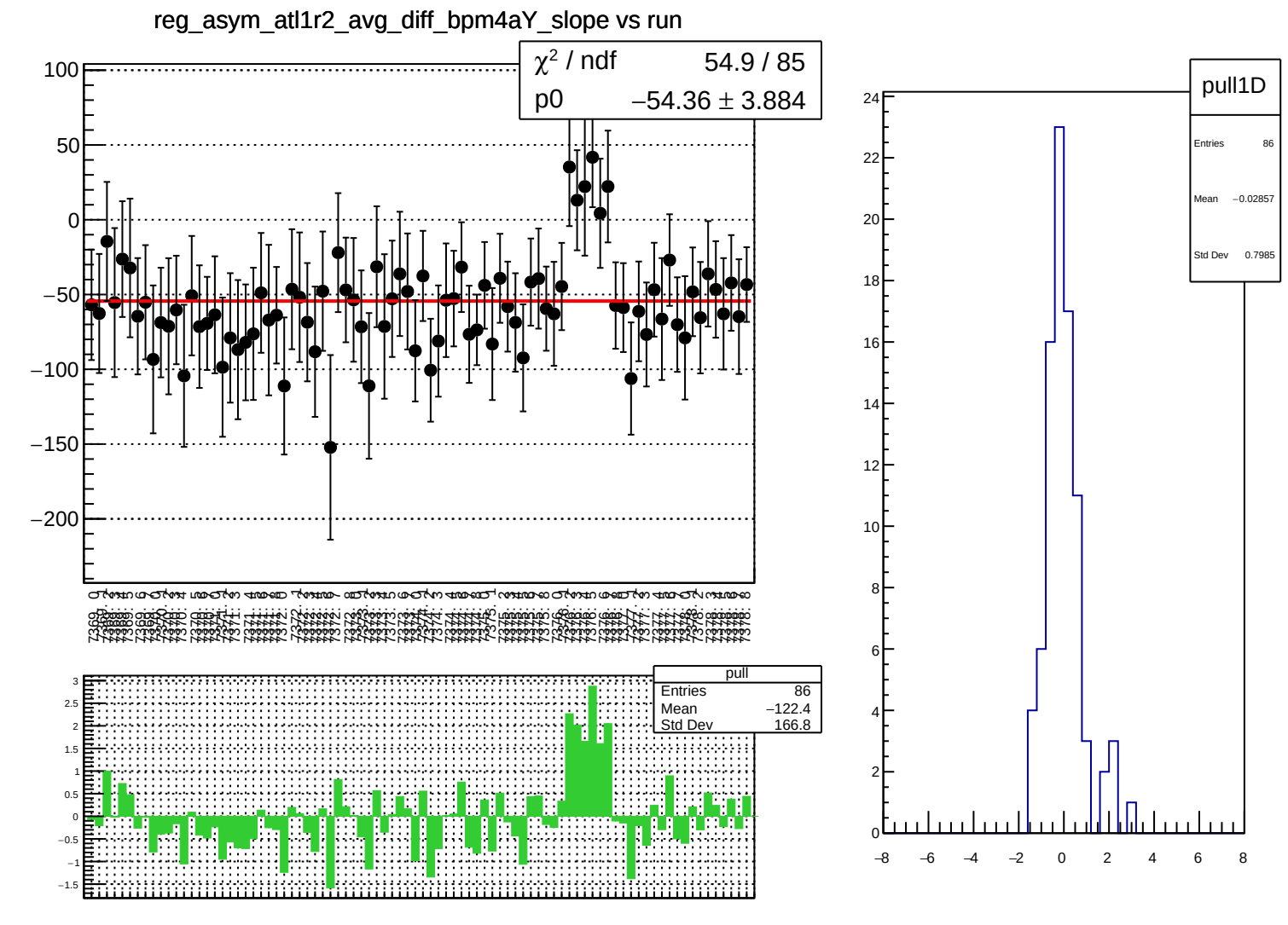

pull1D
Entries 86
Mean −0.01754
Std Dev 1.076

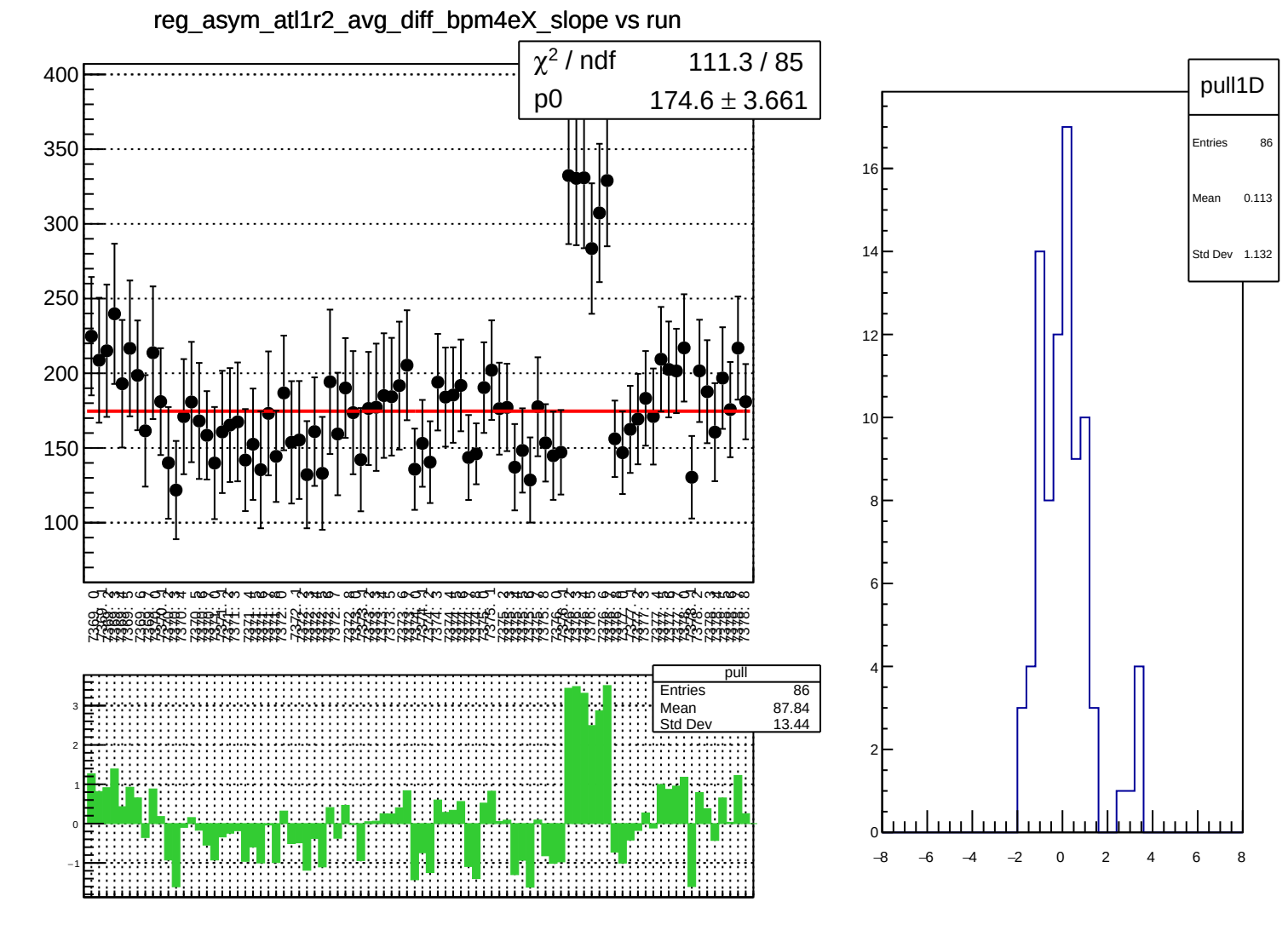

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 152.8 / 85
p0 −12.8 ± 0.06377
pull
Entries 86
Mean −1691
Std Dev 1733

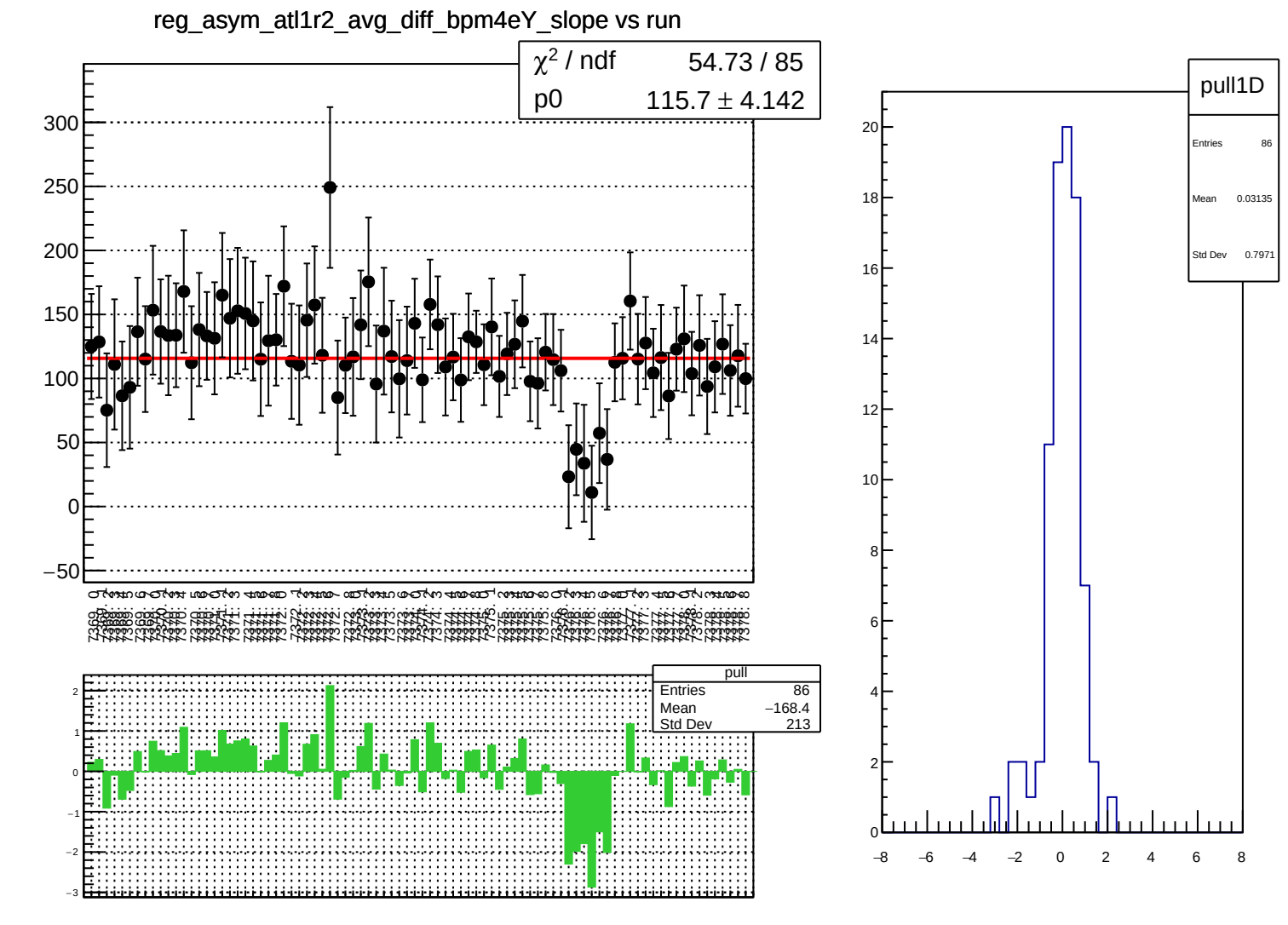

pull1D
Entries 86
Mean 0.01127
Std Dev 1.333

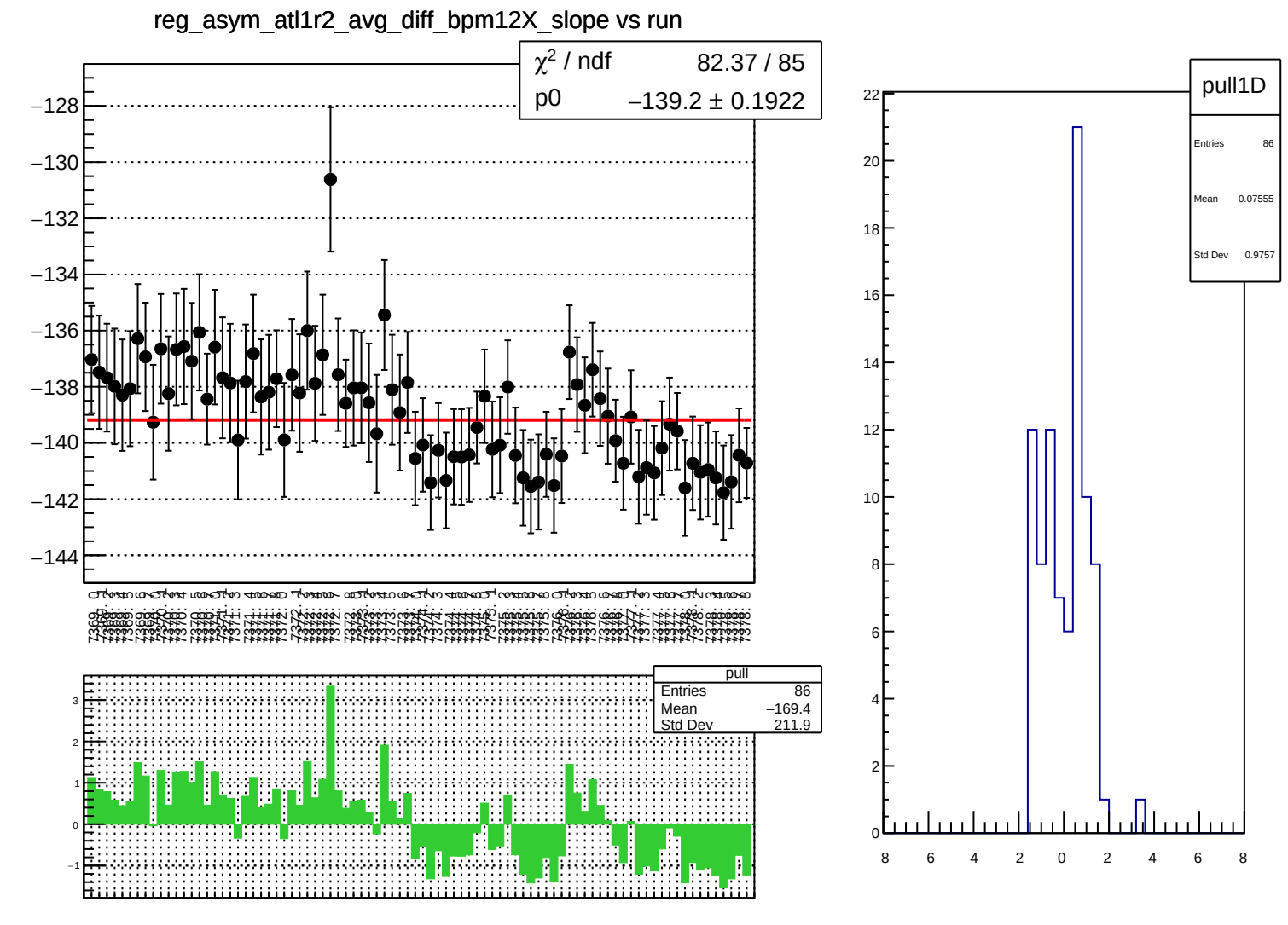

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 109 / 85
p0 −102.8 ± 3.523
pull
Entries 86
Mean 86.54
Std Dev 13.41

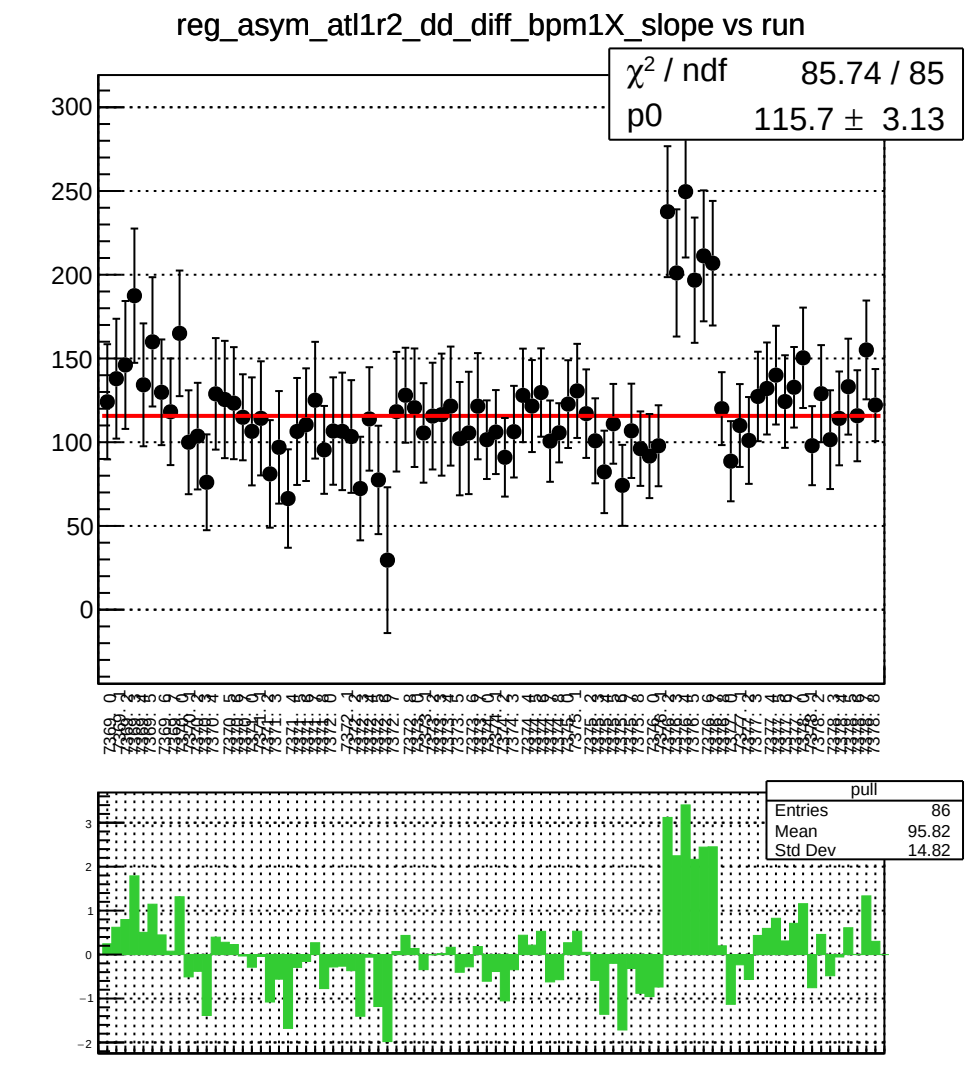

pull1D
Entries 86
Mean −0.1123
Std Dev 1.12

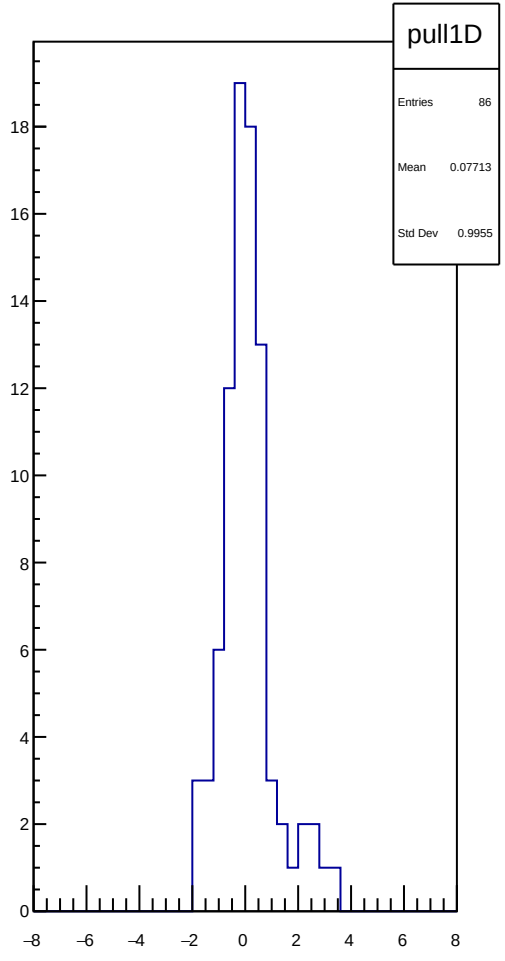

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 54.9 / 85
p0 −54.36 ± 3.884
pull
Entries 86
Mean −122.4
Std Dev 166.8
pull1D
Entries 86
Mean −0.02857
Std Dev 0.7985

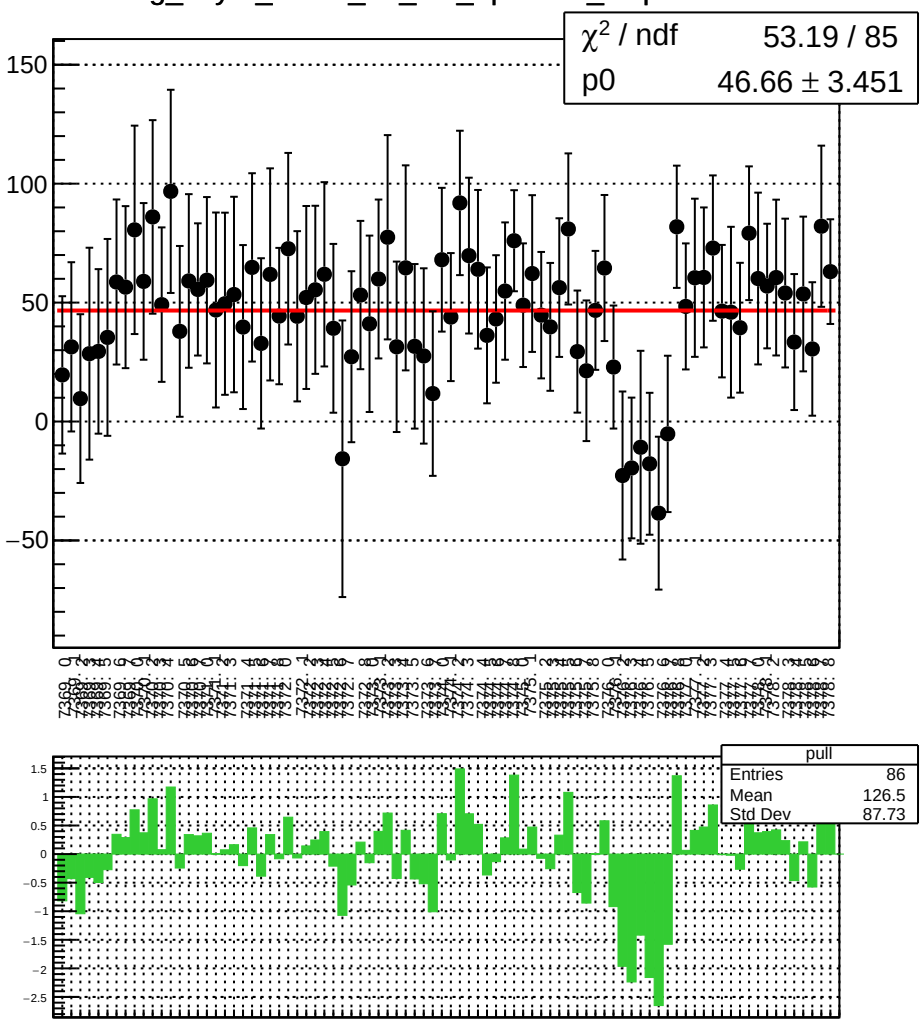

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 111.3 / 85
p0 174.6 ± 3.661
pull
Entries 86
Mean 87.84
Std Dev 13.44
pull1D
Entries 86
Mean 0.113
Std Dev 1.132

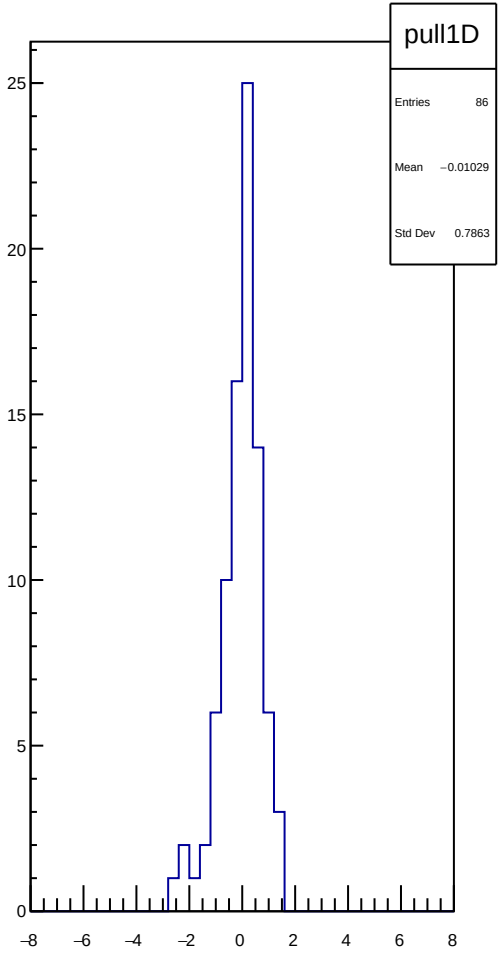

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
$\chi^2$ / ndf 54.73 / 85
p0 115.7 ± 4.142
pull
Entries 86
Mean −168.4
Std Dev 213
pull1D
Entries 86
Mean 0.03135
Std Dev 0.7971

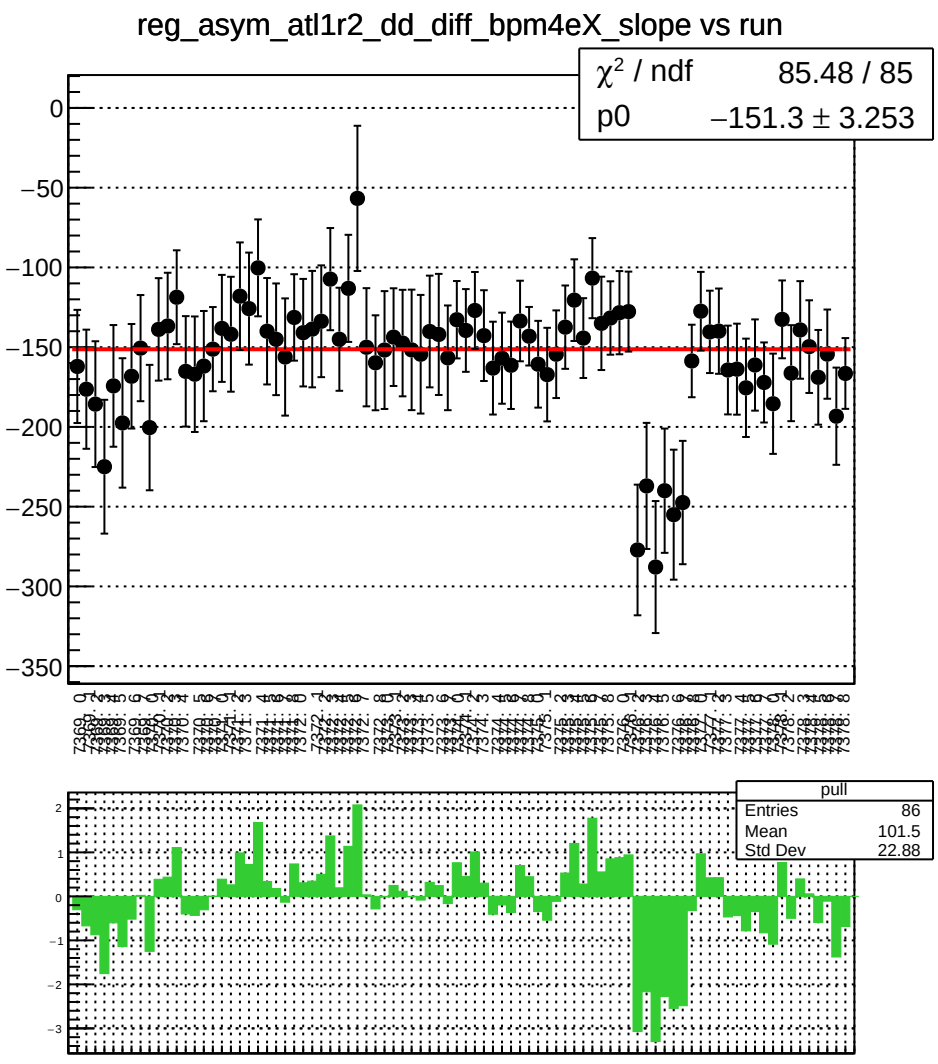

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 82.37 / 85
p0 −139.2 ± 0.1922
−128
−130
−132
−134
−136
−138
−140
−142
−144
pull
Entries 86
Mean −169.4
Std Dev 211.9
3
2
1
0
−1
pull1D
Entries 86
Mean 0.07555
Std Dev 0.9757
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

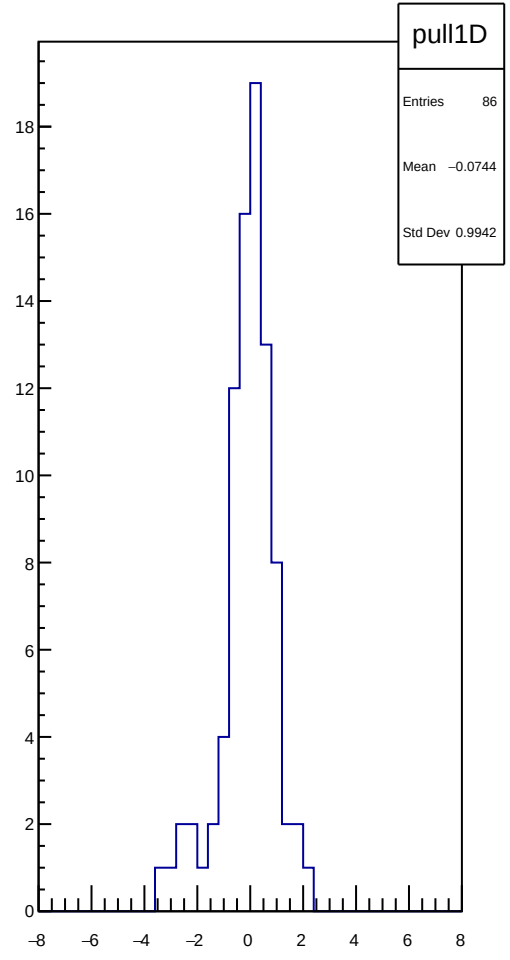

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 85.74 / 85
p0 115.7 ± 3.13
pull
Entries 86
Mean 95.82
Std Dev 14.82

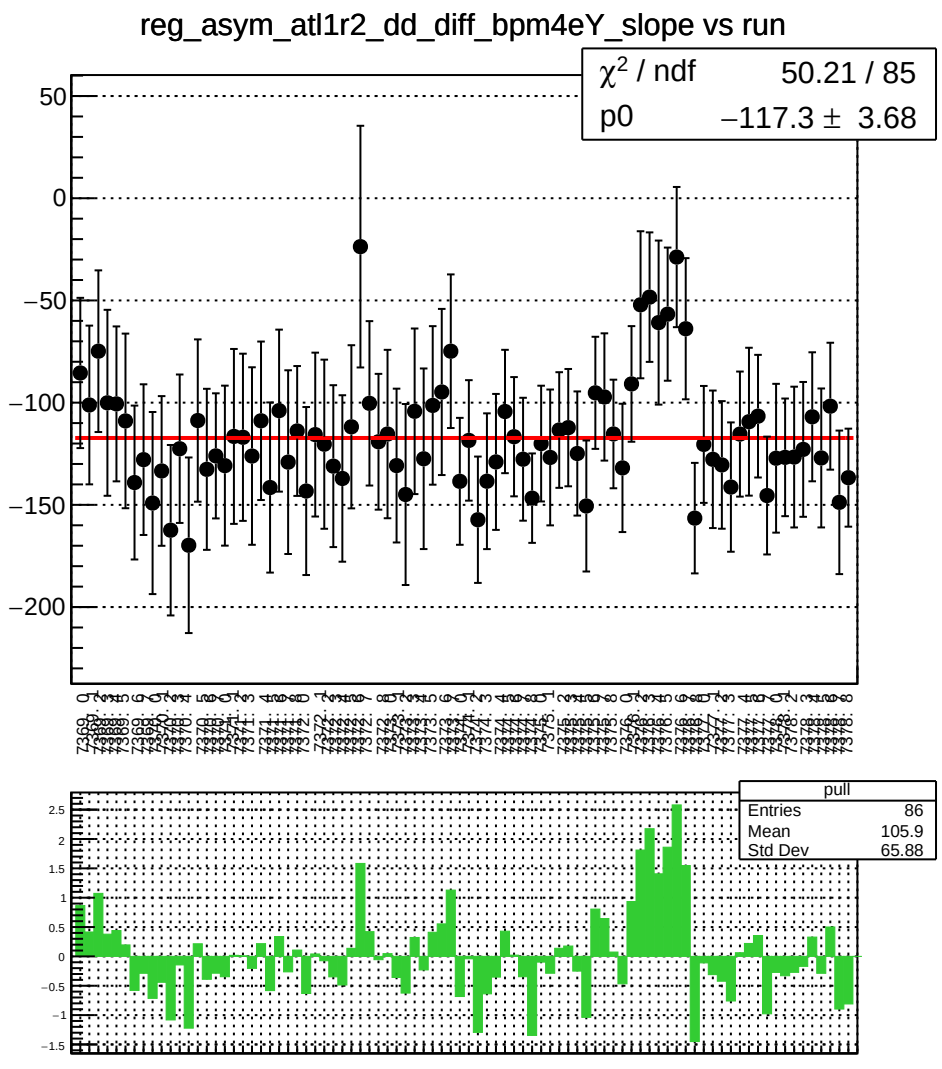

pull1D
Entries 86
Mean 0.07713
Std Dev 0.9955

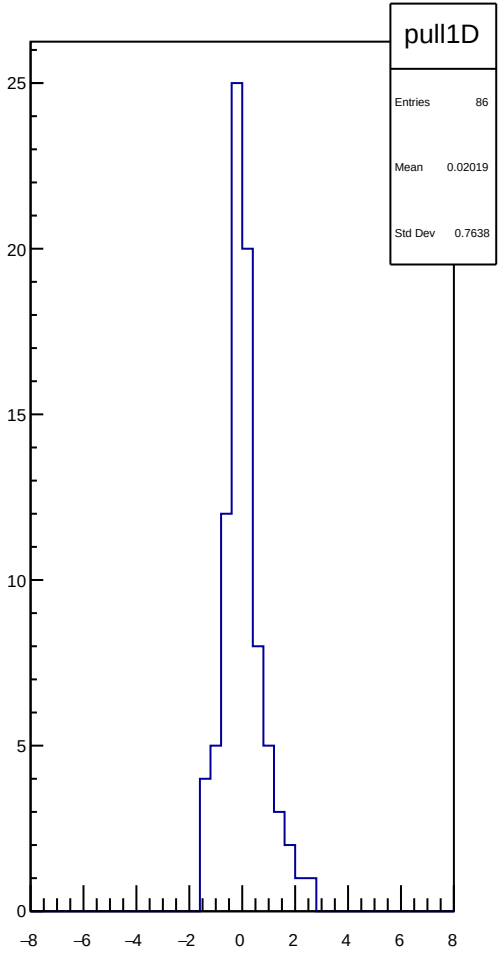

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 53.19 / 85
p0 46.66 ± 3.451
150
100
50
0
−50
pull
Entries 86
Mean 126.5
Std Dev 87.73
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

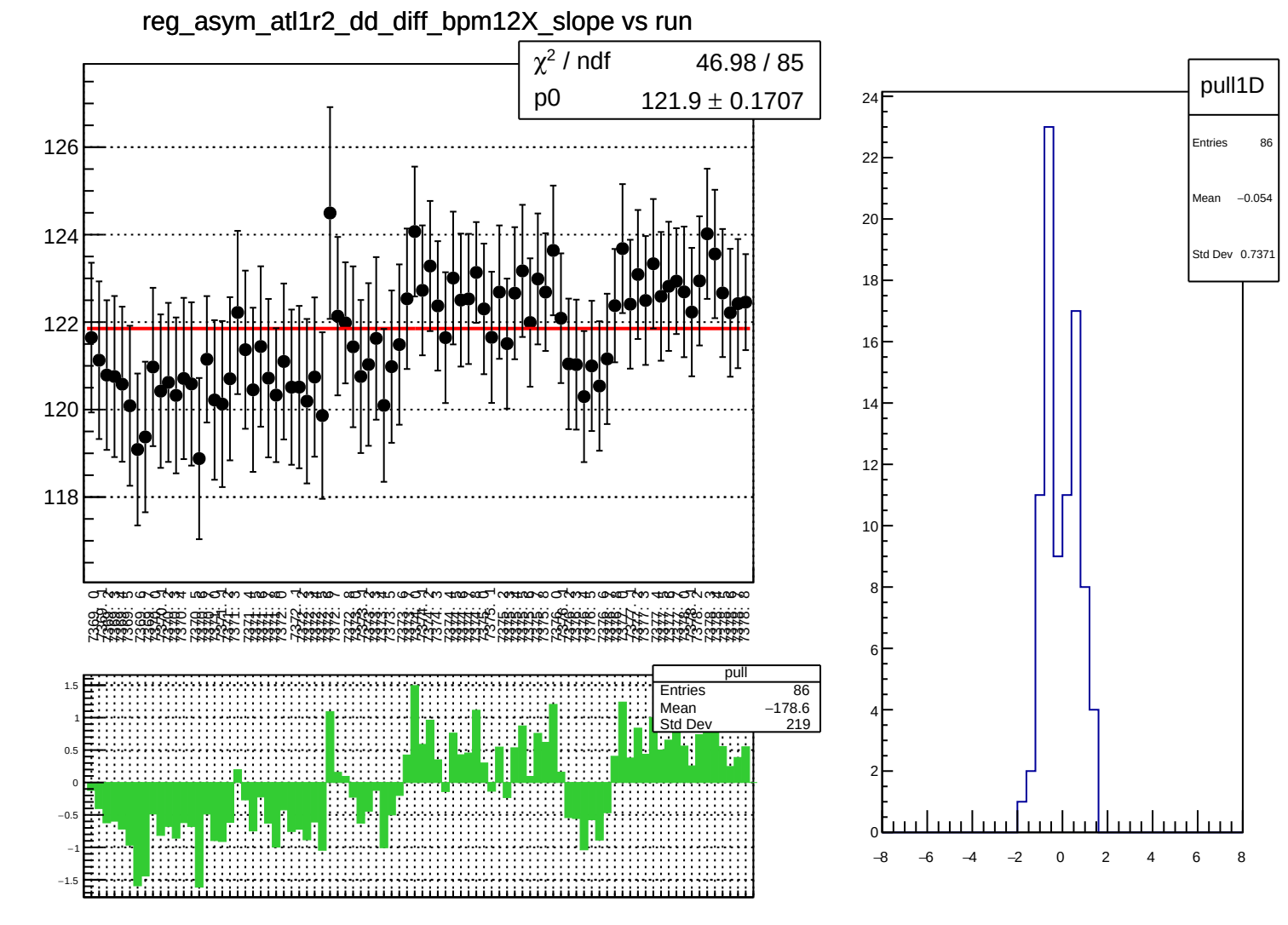

pull1D
Entries 86
Mean −0.01029
Std Dev 0.7863
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

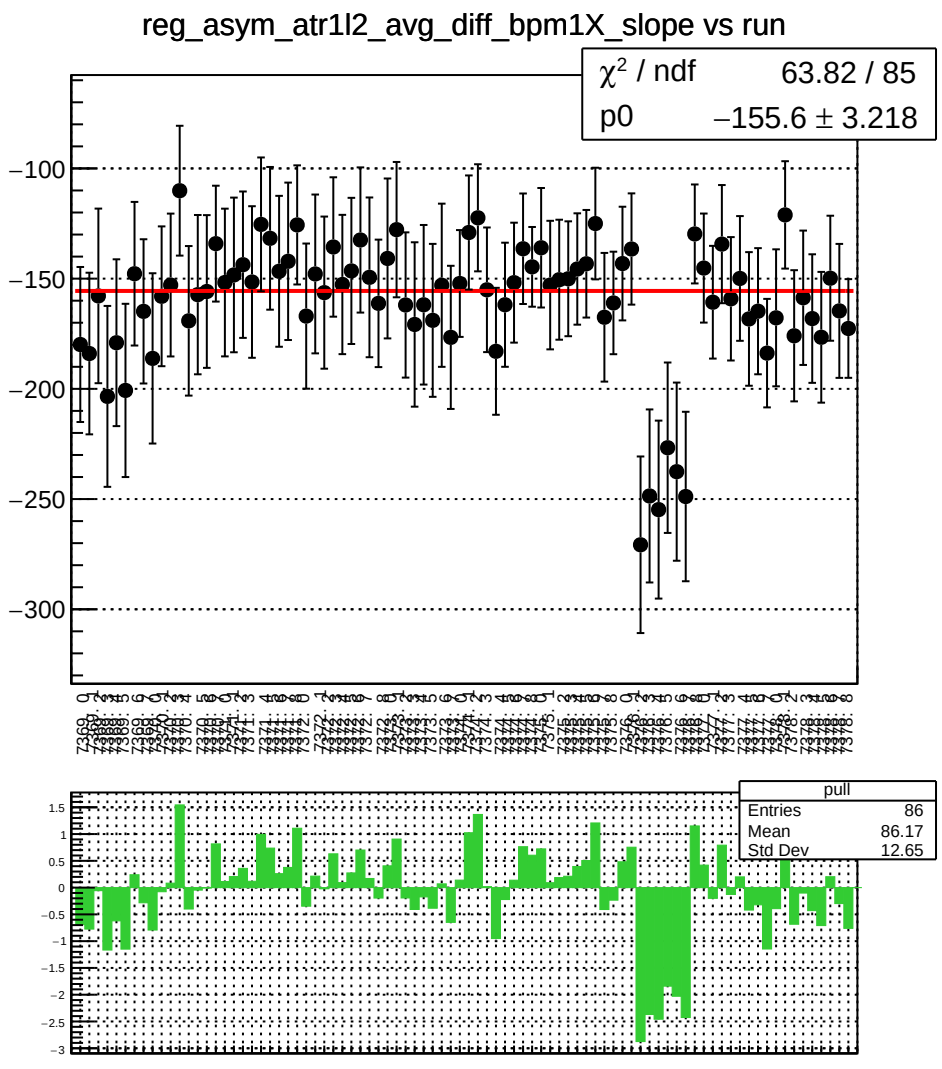

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 85.48 / 85
p0 −151.3 ± 3.253
pull
Entries 86
Mean 101.5
Std Dev 22.88

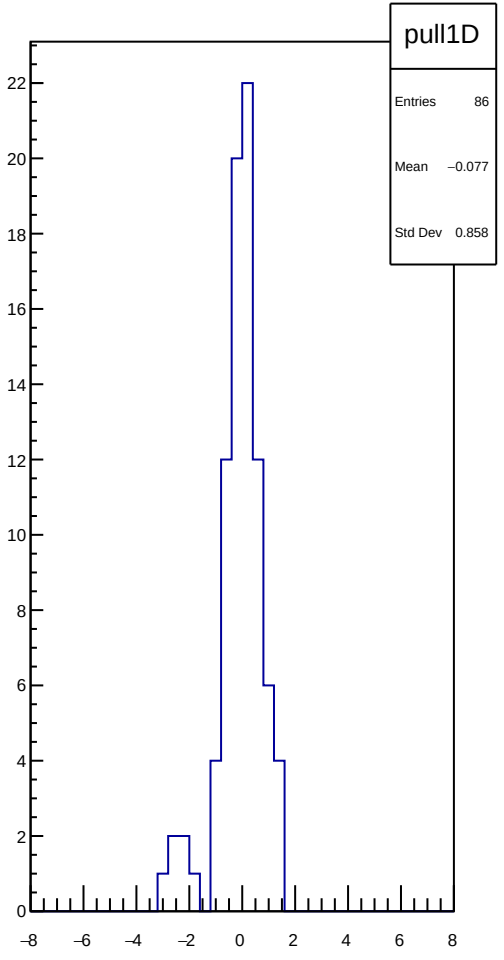

pull1D
Entries 86
Mean −0.0744
Std Dev 0.9942

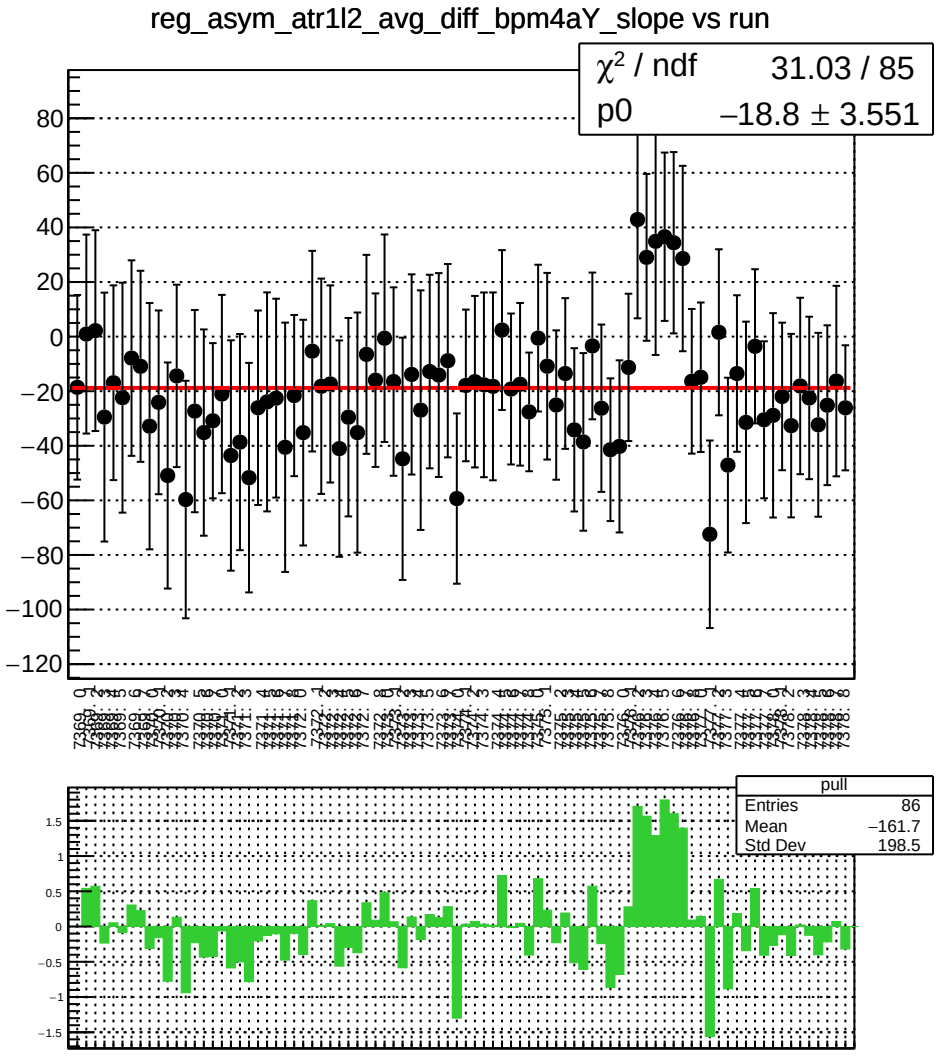

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 50.21 / 85
p0 −117.3 ± 3.68
pull
Entries 86
Mean 105.9
Std Dev 65.88

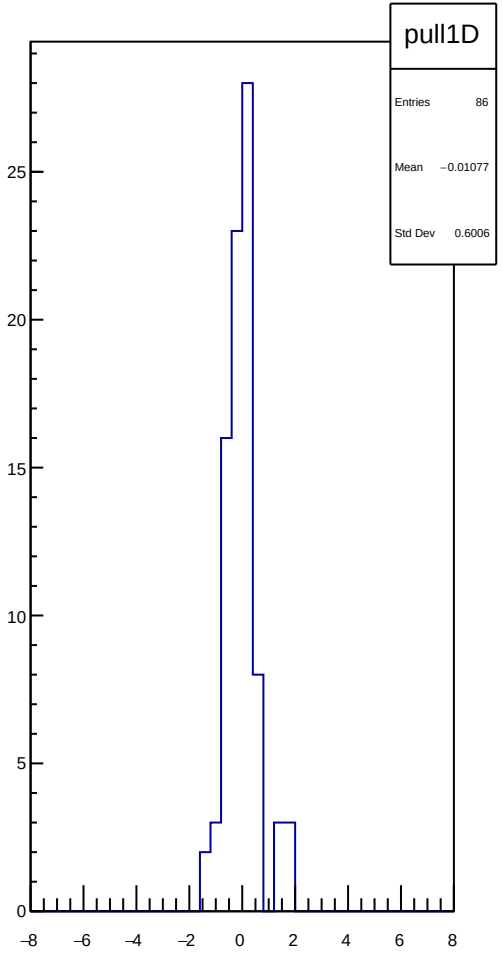

pull1D
Entries 86
Mean 0.02019
Std Dev 0.7638

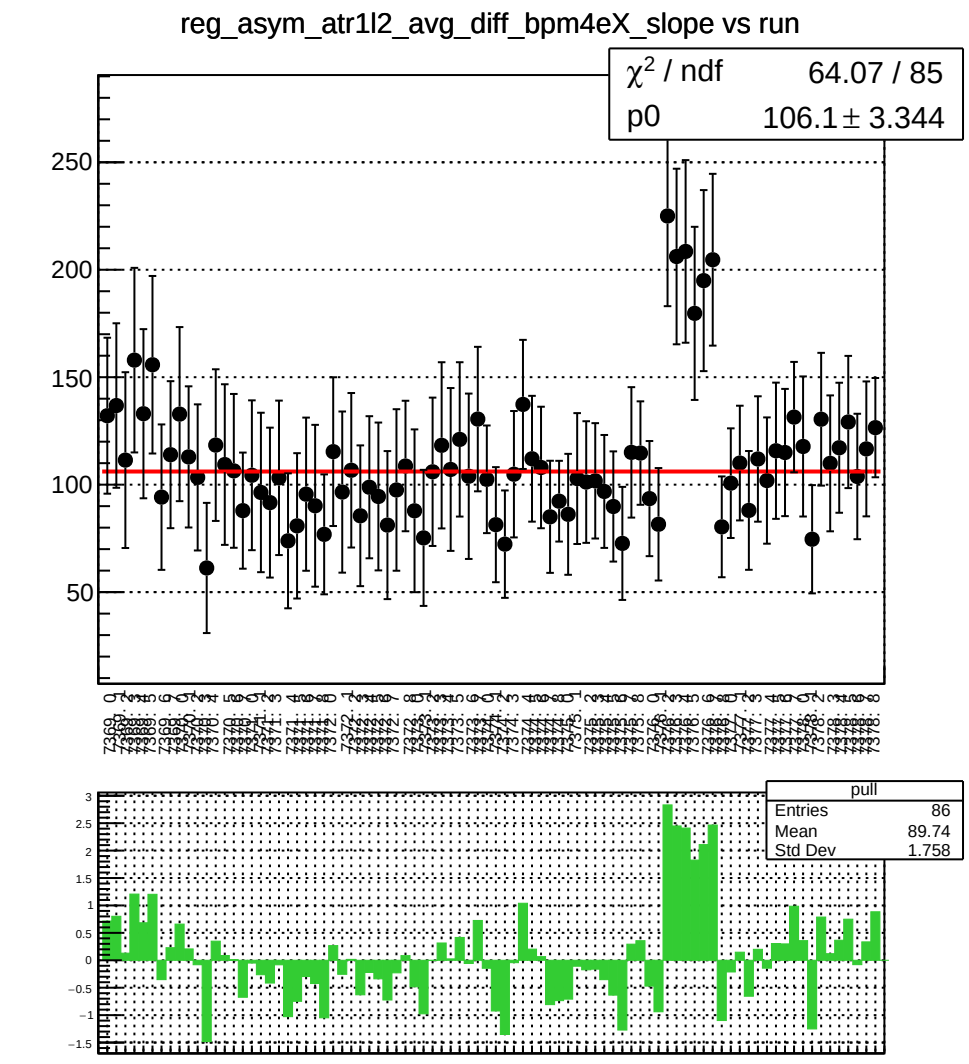

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 46.98 / 85
p0 121.9 ± 0.1707
126
124
122
120
118
pull
Entries 86
Mean −178.6
Std Dev 219
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean −0.054
Std Dev 0.7371
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

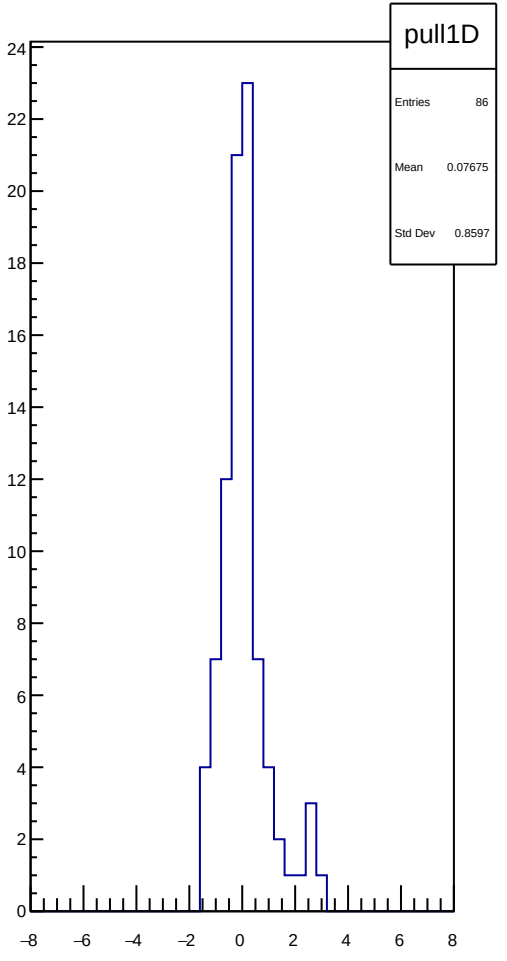

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 63.82 / 85
p0 −155.6 ± 3.218
−100
−150
−200
−250
−300
pull
Entries 86
Mean 86.17
Std Dev 12.65
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

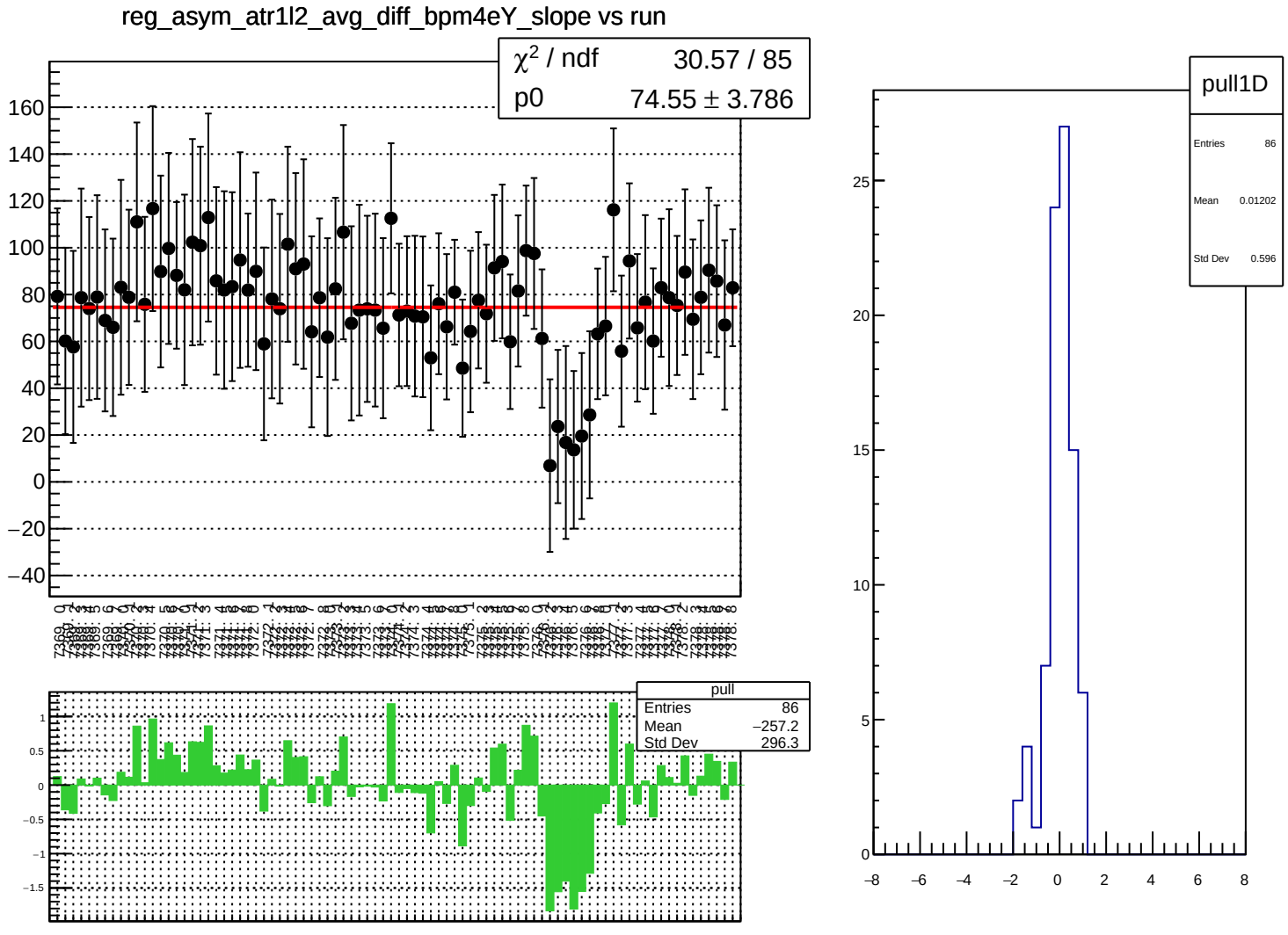

pull1D
Entries 86
Mean −0.077
Std Dev 0.858
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

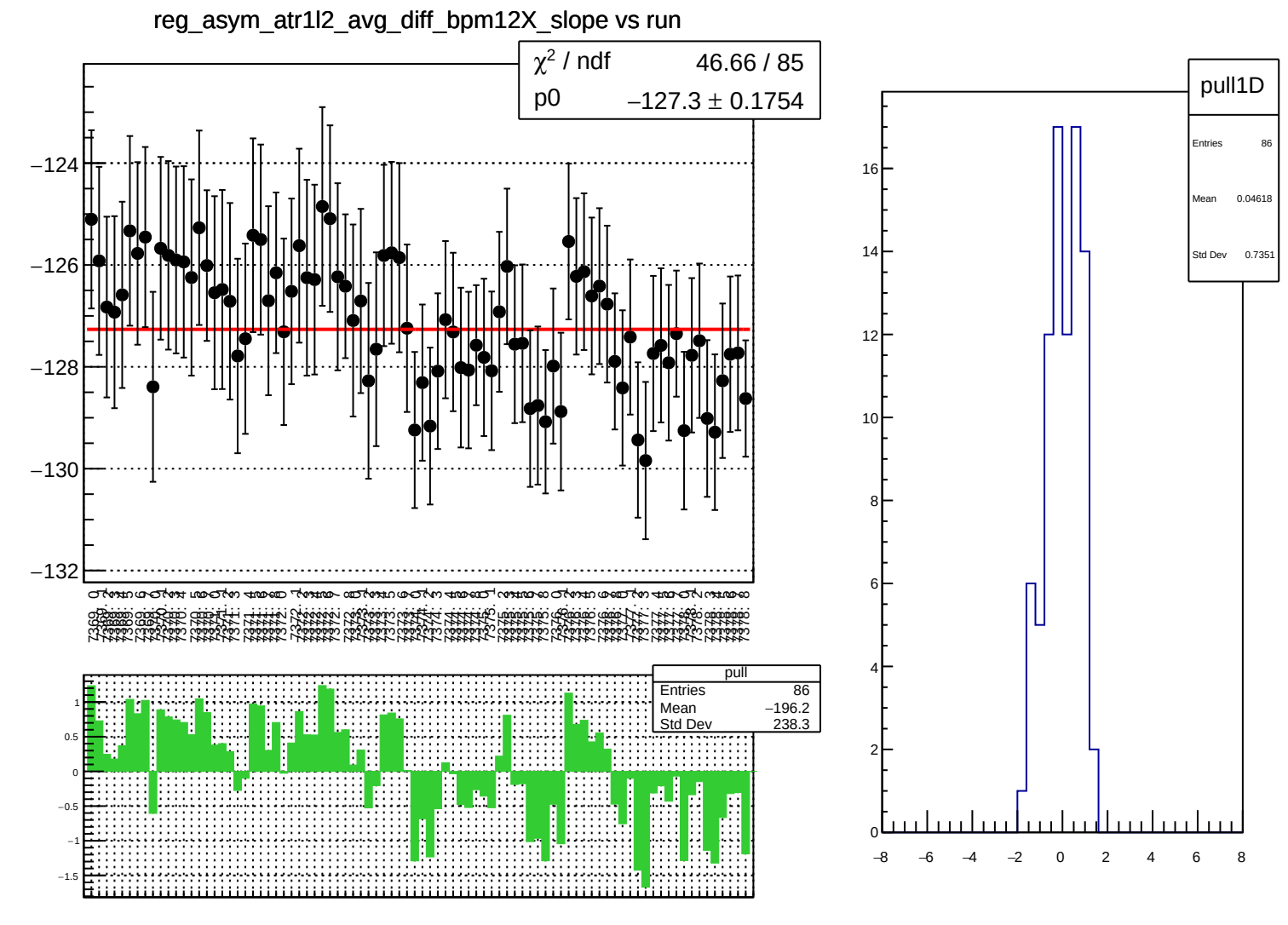

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.03 / 85
p0 −18.8 ± 3.551
pull
Entries 86
Mean −161.7
Std Dev 198.5

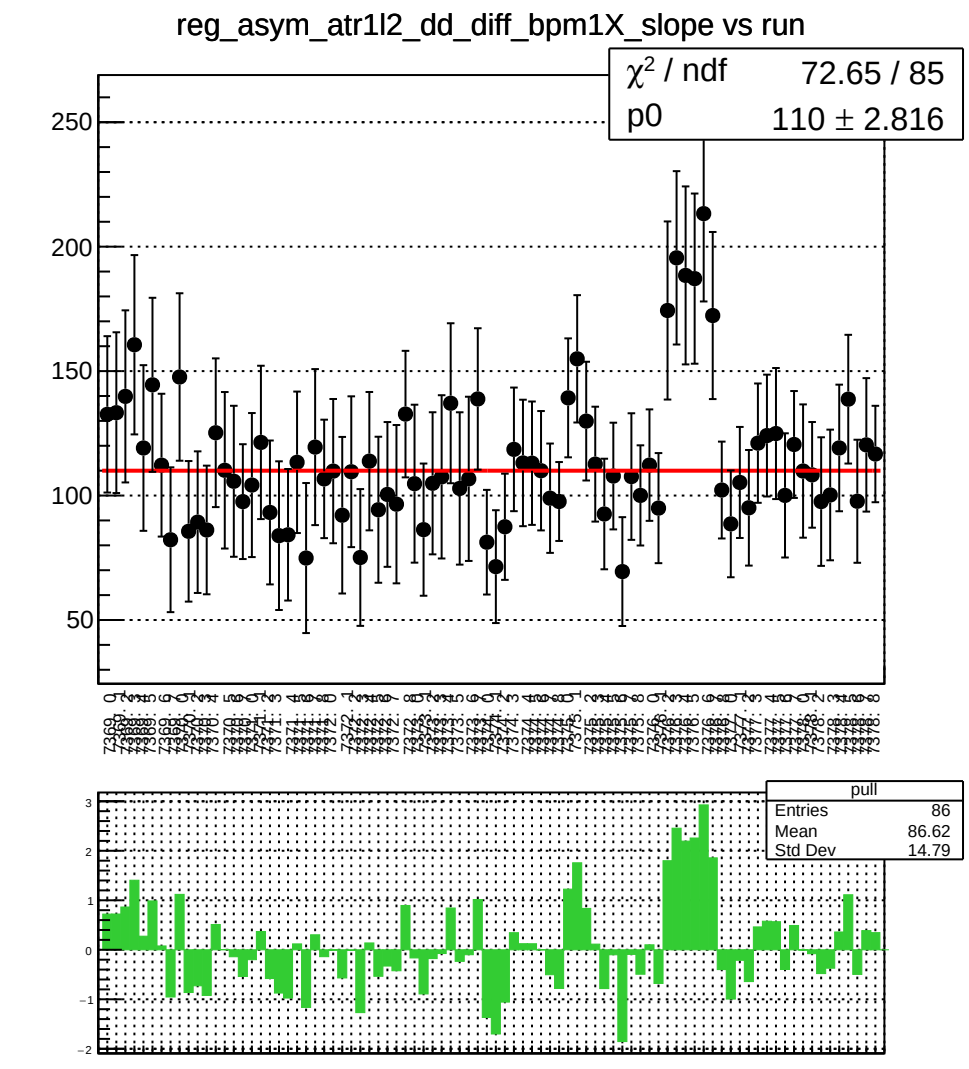

pull1D
Entries 86
Mean −0.01077
Std Dev 0.6006

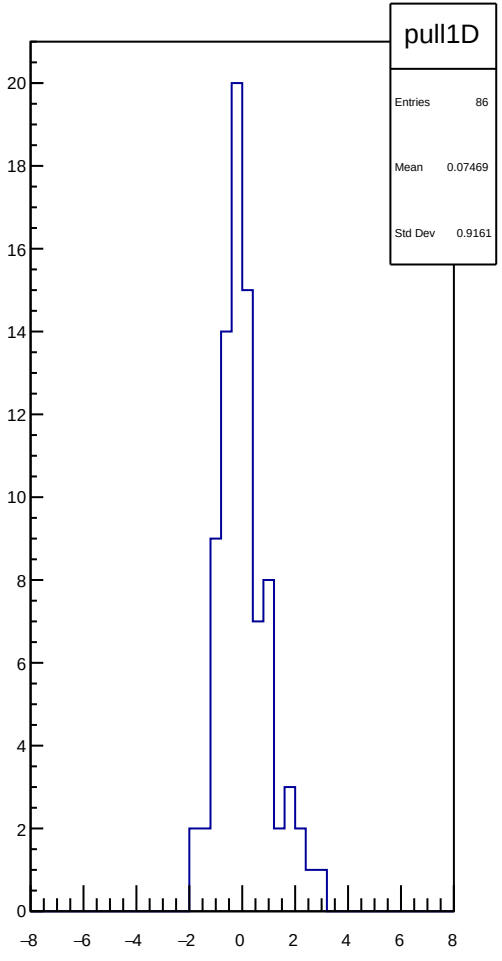

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 64.07 / 85
p0 106.1 ± 3.344
250
200
150
100
50
pull
Entries 86
Mean 89.74
Std Dev 1.758
3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

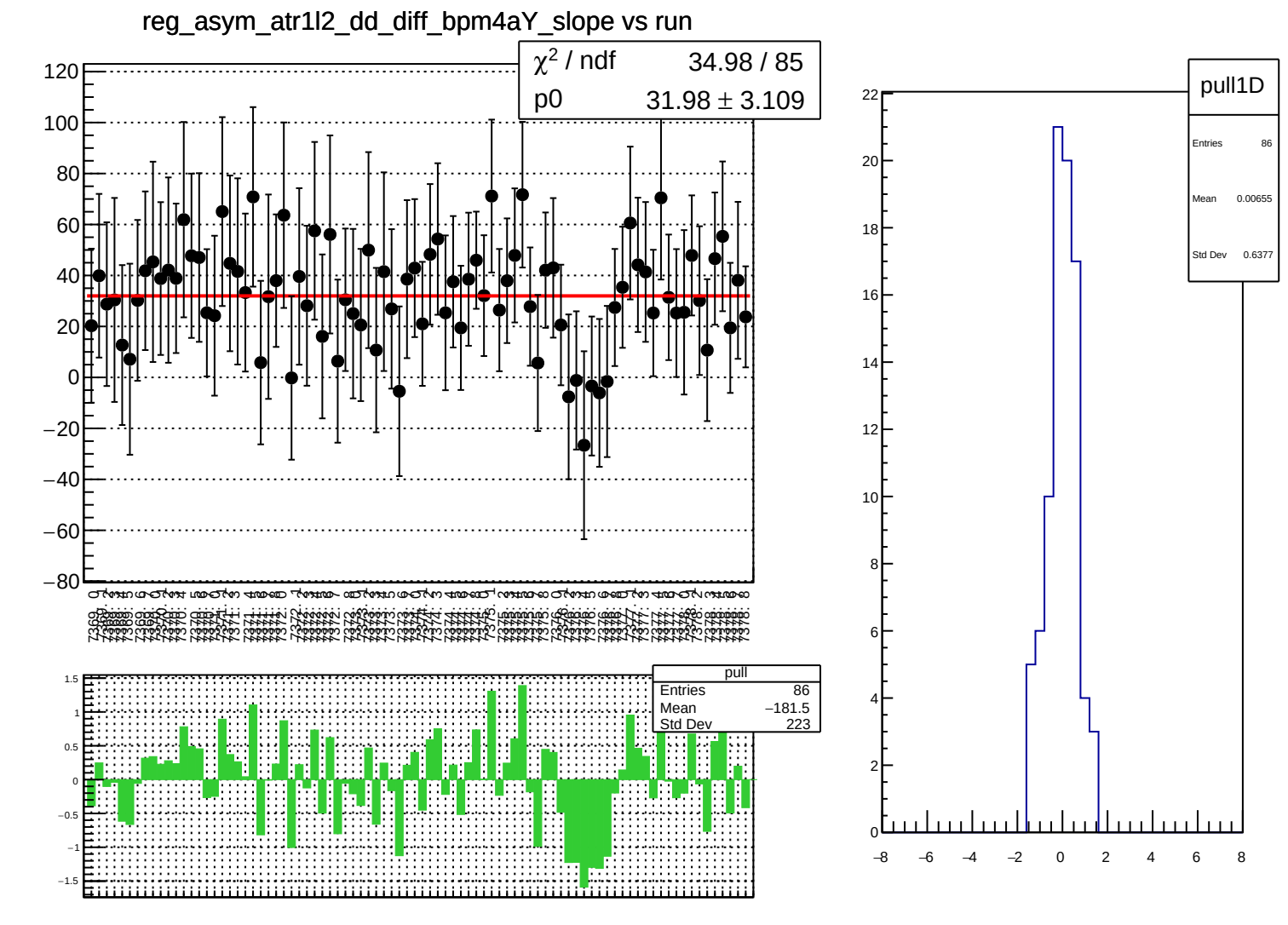

pull1D
Entries 86
Mean 0.07675
Std Dev 0.8597
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

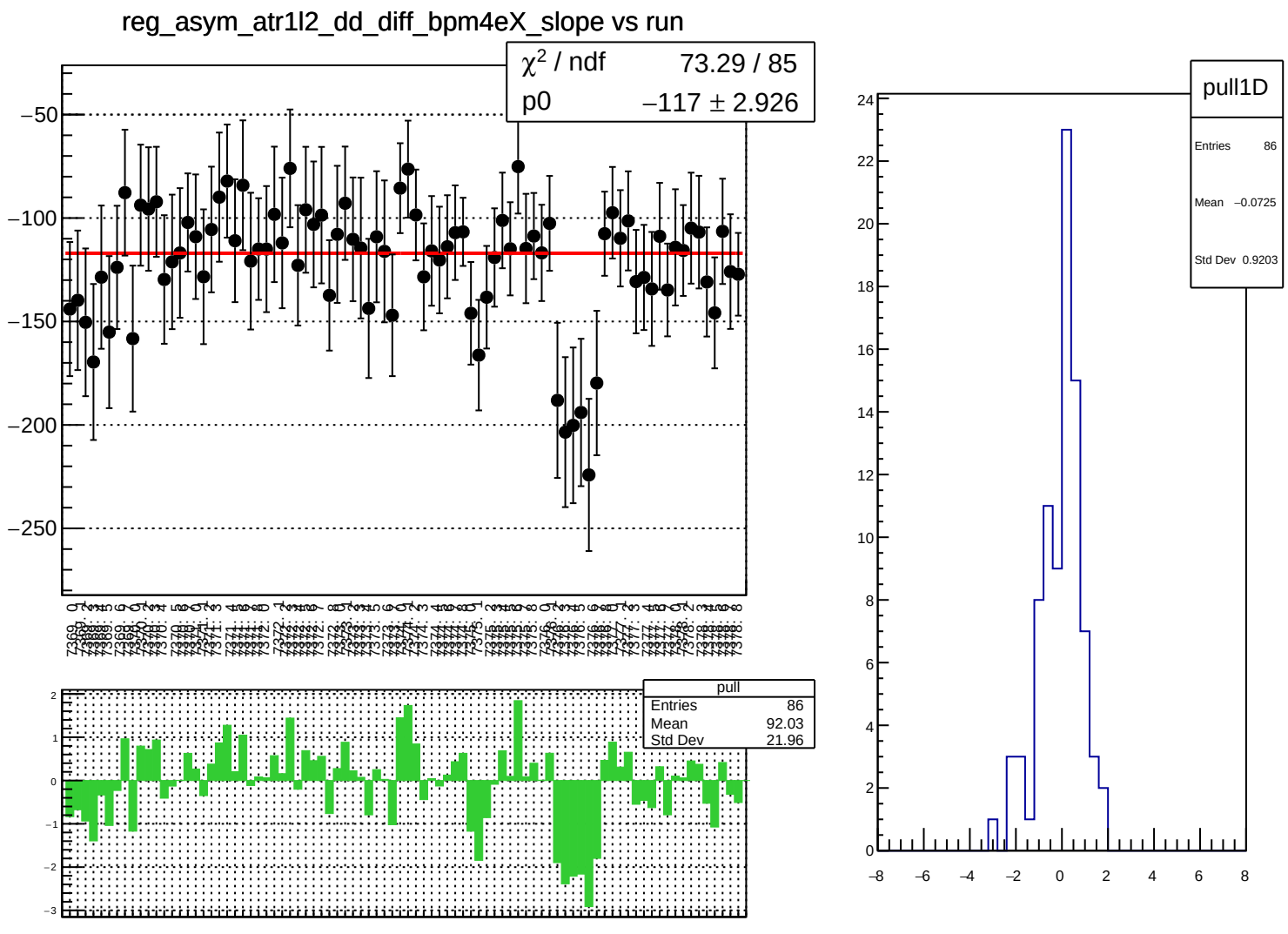

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.57 / 85
p0 74.55 ± 3.786
pull
Entries 86
Mean −257.2
Std Dev 296.3
pull1D
Entries 86
Mean 0.01202
Std Dev 0.596

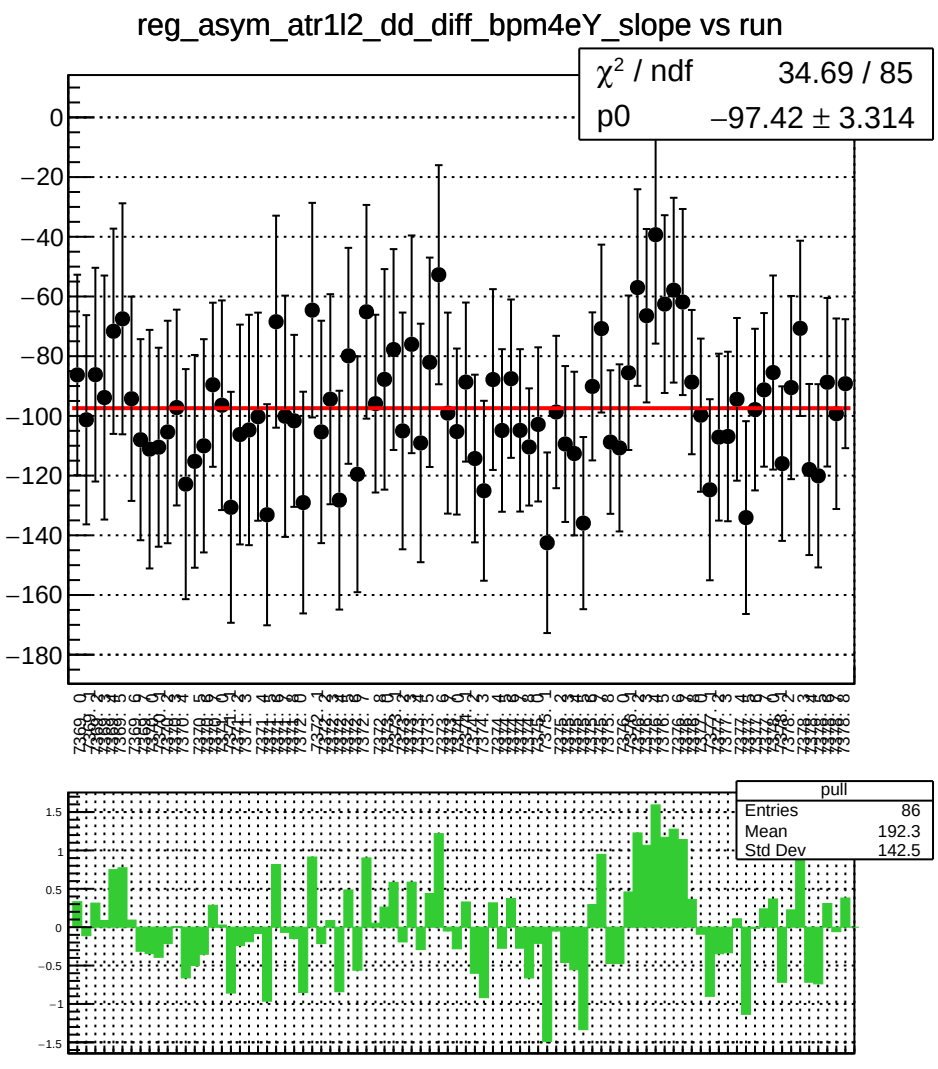

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 46.66 / 85
p0 −127.3 ± 0.1754
−124
−126
−128
−130
−132
pull
Entries 86
Mean −196.2
Std Dev 238.3
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 86
Mean 0.04618
Std Dev 0.7351
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

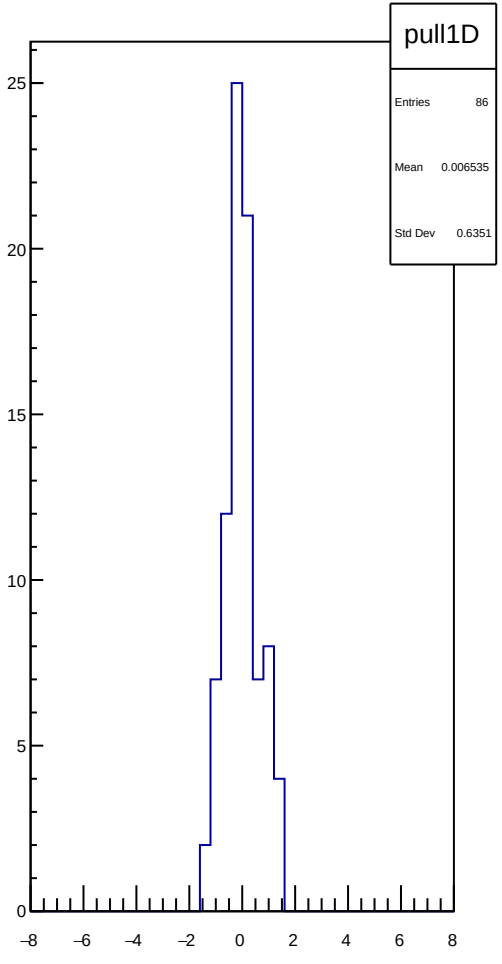

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 72.65 / 85
p0 110 ± 2.816
pull
Entries 86
Mean 86.62
Std Dev 14.79

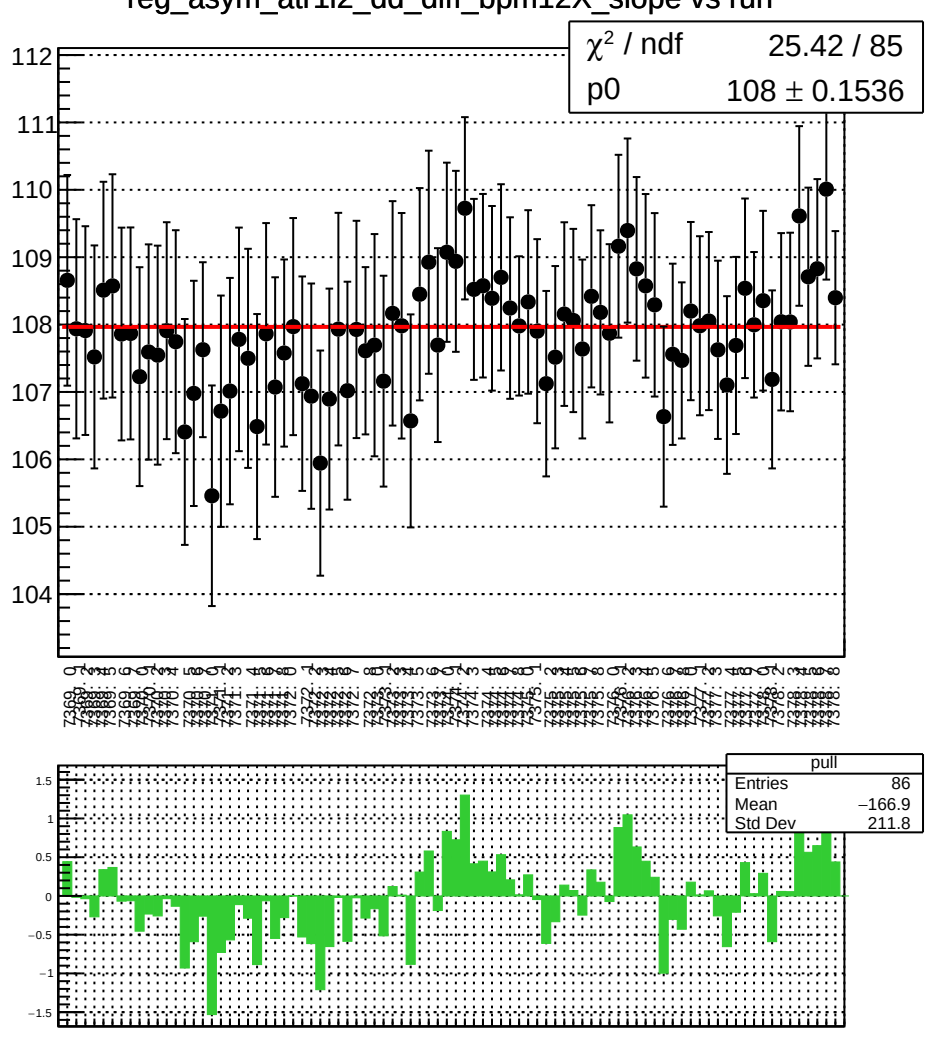

pull1D
Entries 86
Mean 0.07469
Std Dev 0.9161

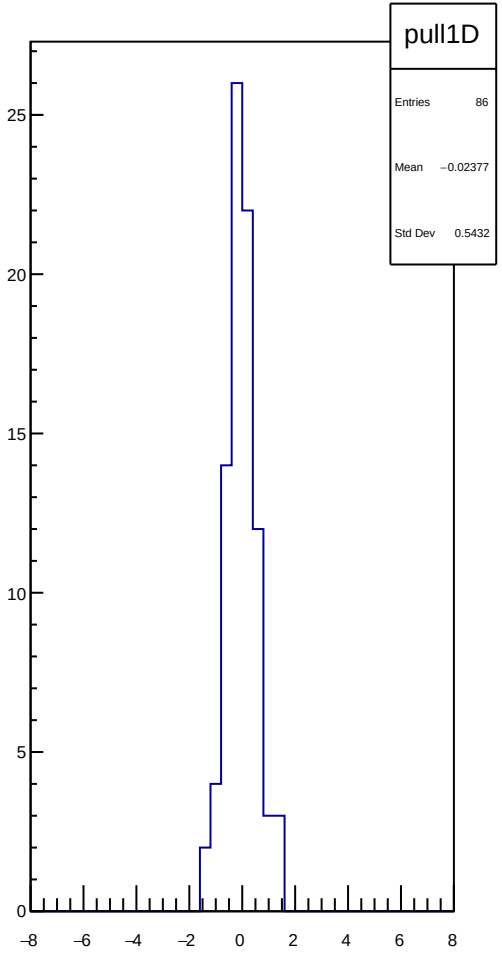

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 34.98 / 85
p0 31.98 ± 3.109
pull
Entries 86
Mean −181.5
Std Dev 223
pull1D
Entries 86
Mean 0.00655
Std Dev 0.6377

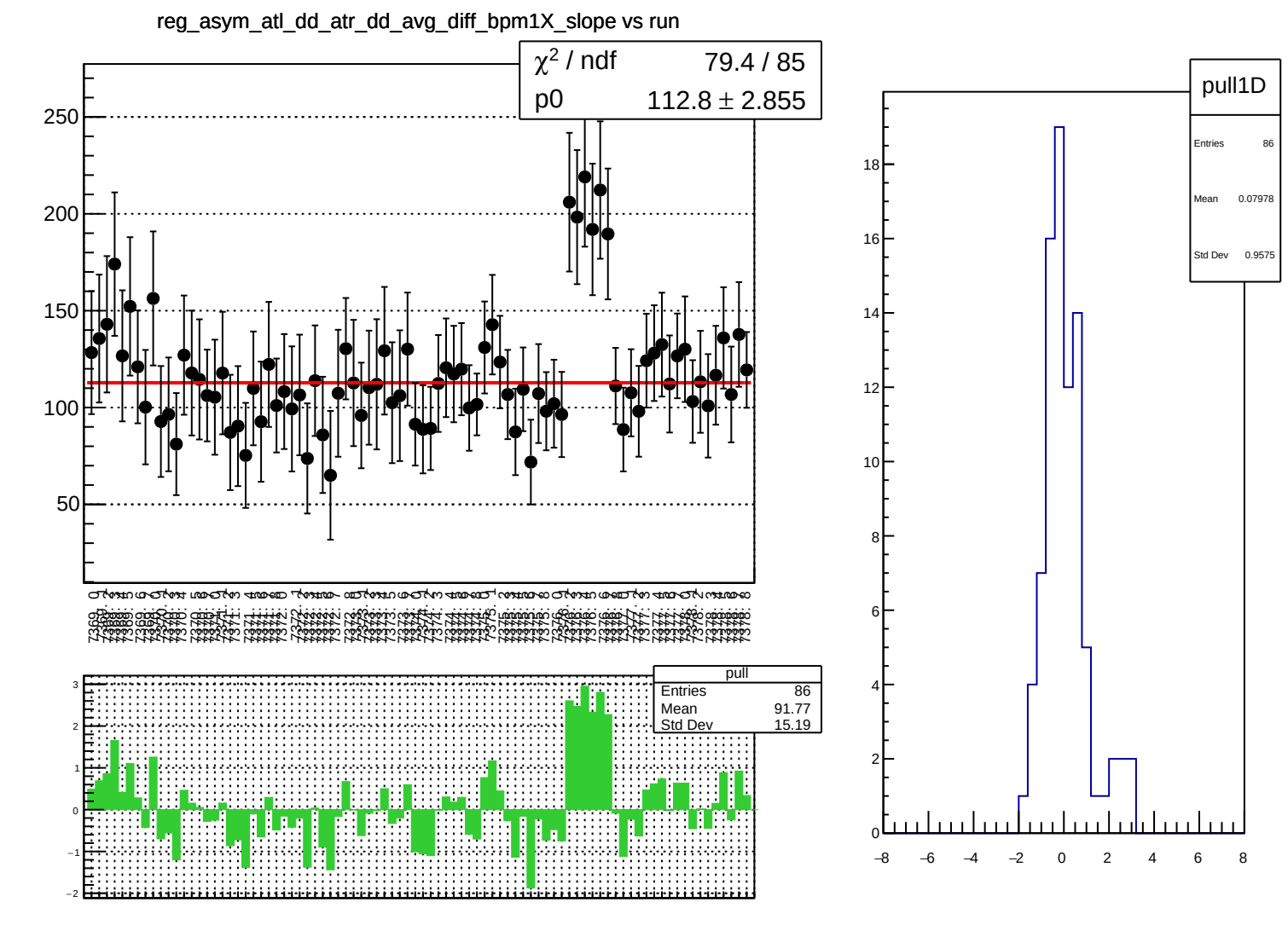

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 73.29 / 85
p0 −117 ± 2.926
−50
−100
−150
−200
−250
pull
Entries 86
Mean 92.03
Std Dev 21.96
2
1
0
−1
−2
−3
pull1D
Entries 86
Mean −0.0725
Std Dev 0.9203
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

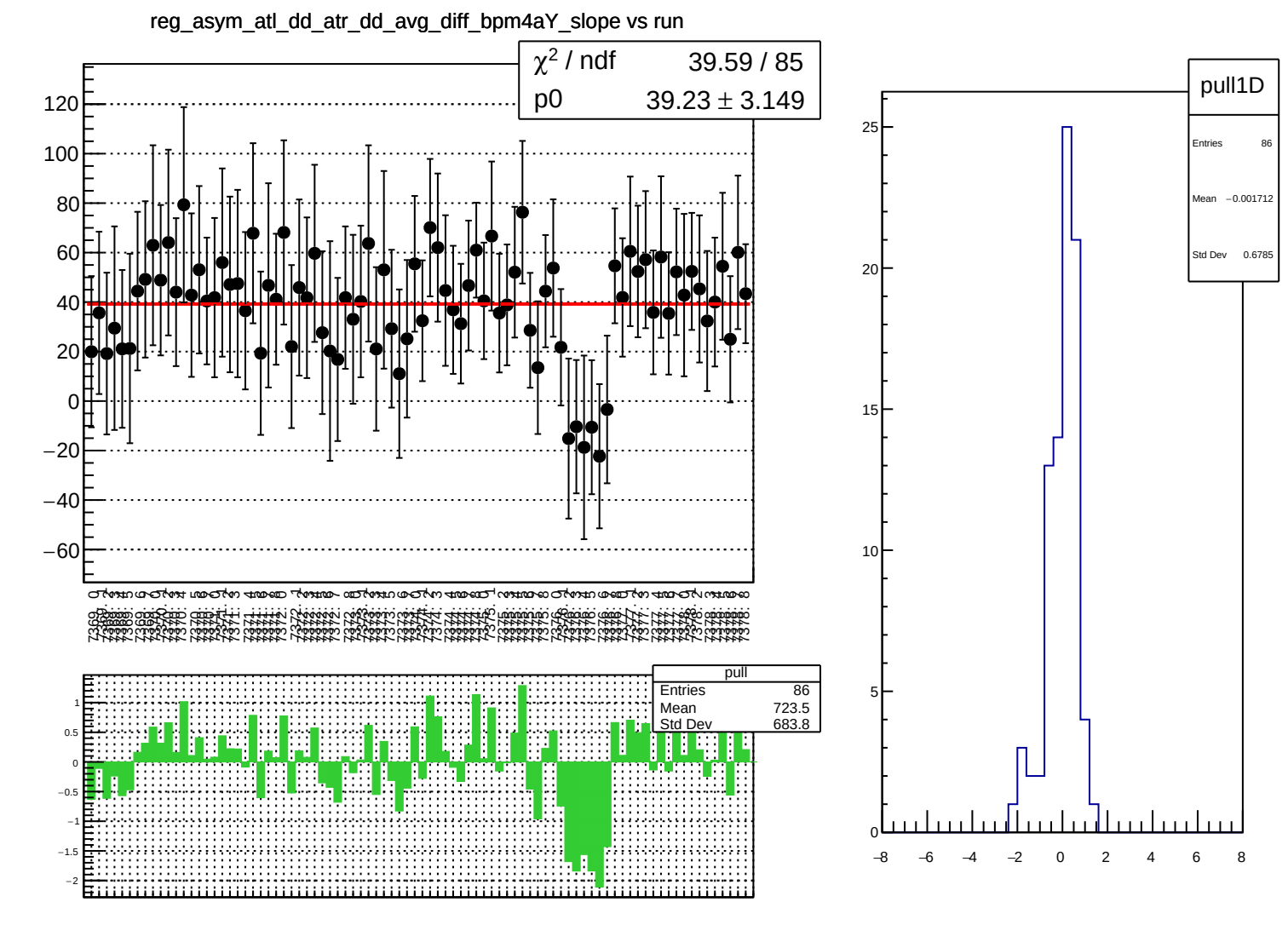

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 34.69 / 85
p0 −97.42 ± 3.314
pull
Entries 86
Mean 192.3
Std Dev 142.5

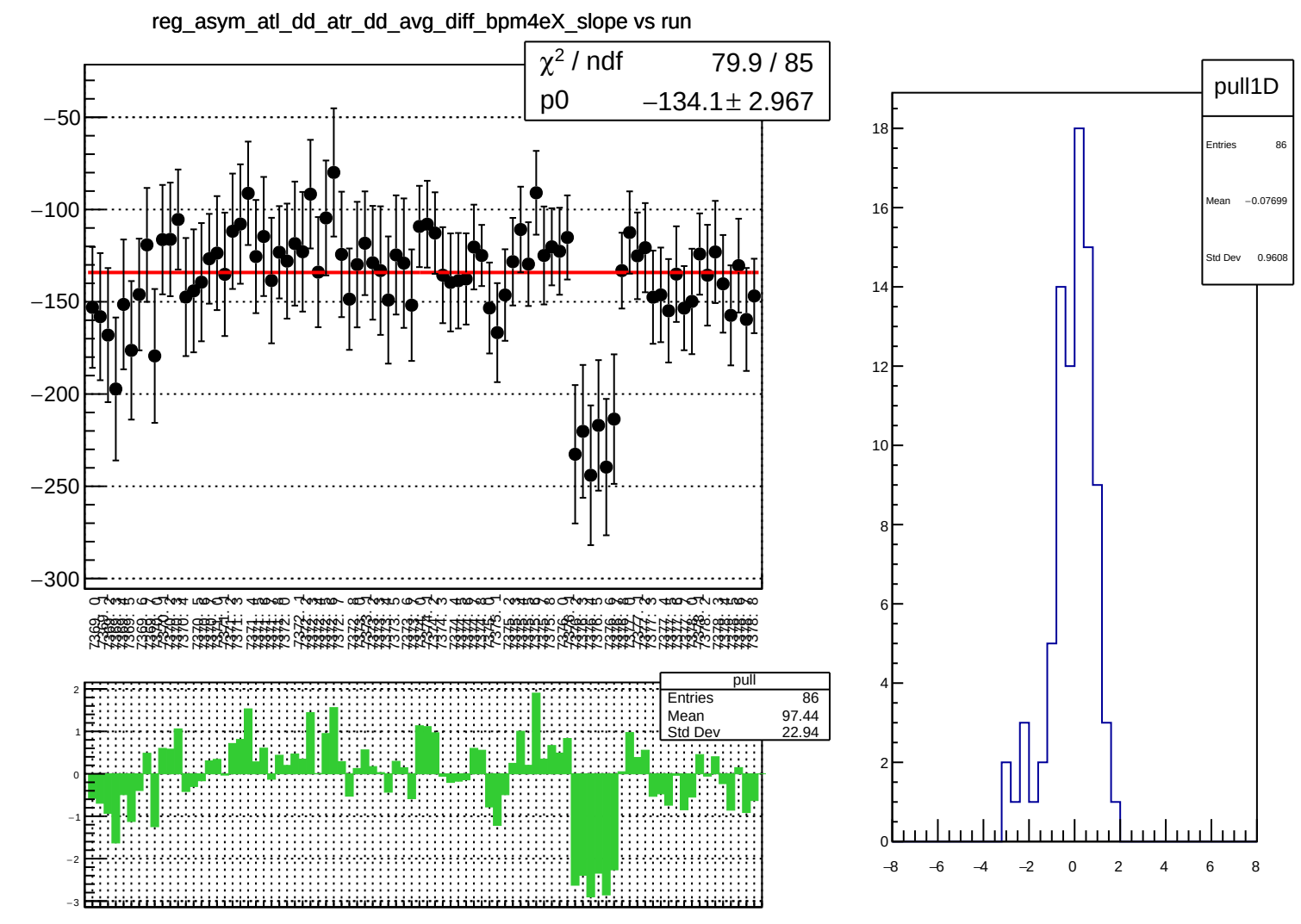

pull1D
Entries 86
Mean 0.006535
Std Dev 0.6351

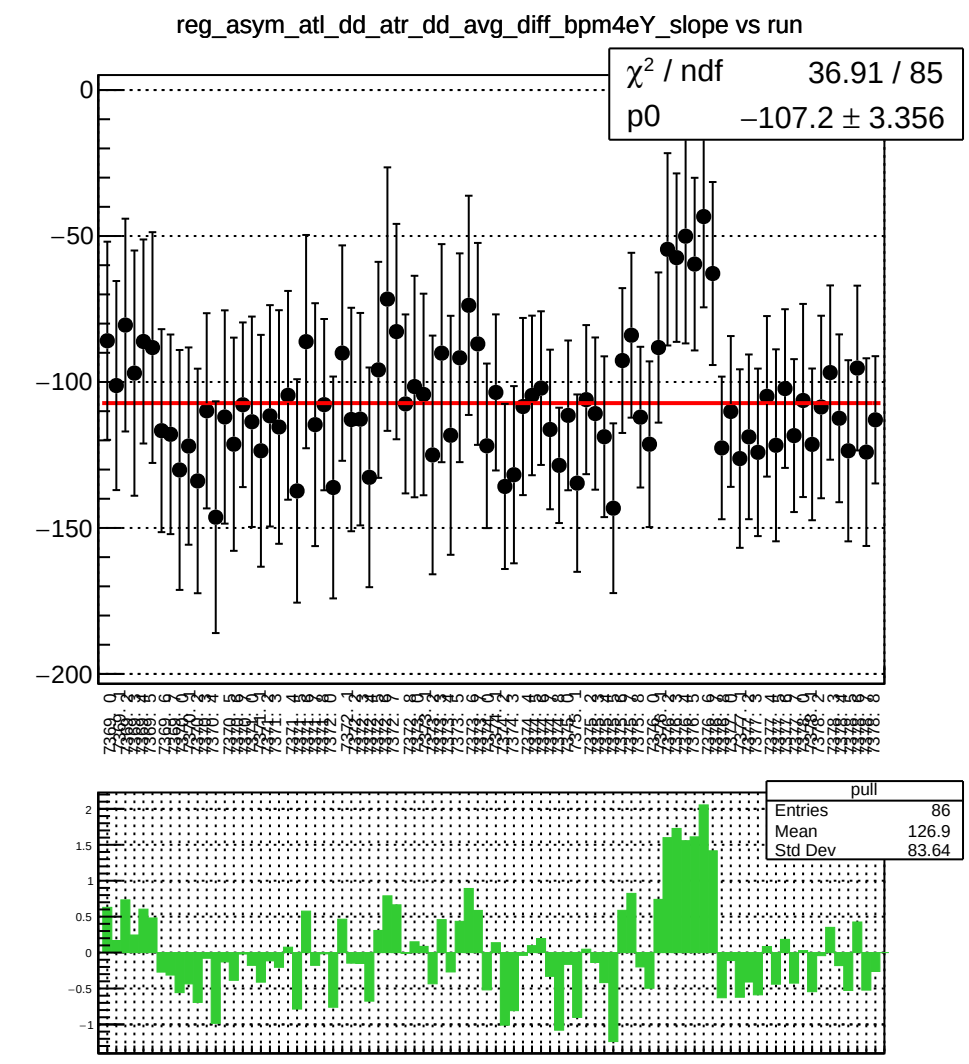

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 25.42 / 85
p0 108 ± 0.1536
pull
Entries 86
Mean −166.9
Std Dev 211.8

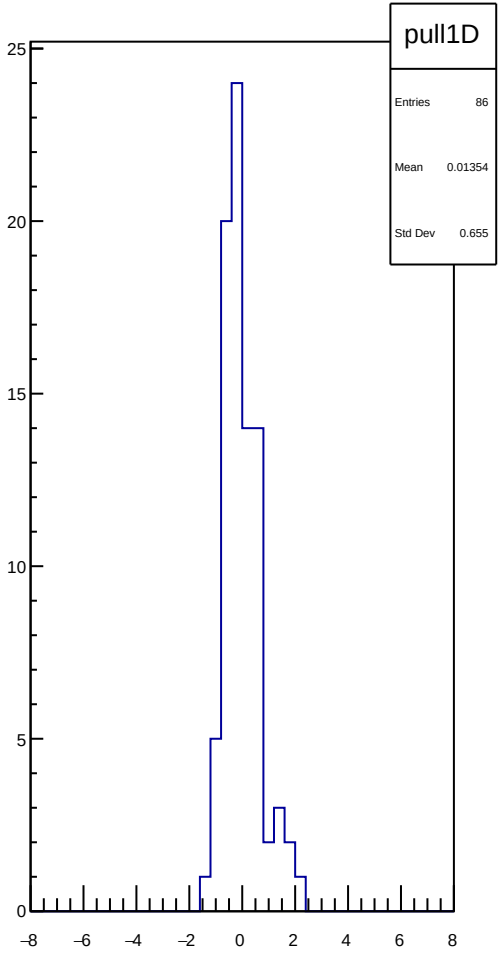

pull1D
Entries 86
Mean −0.02377
Std Dev 0.5432

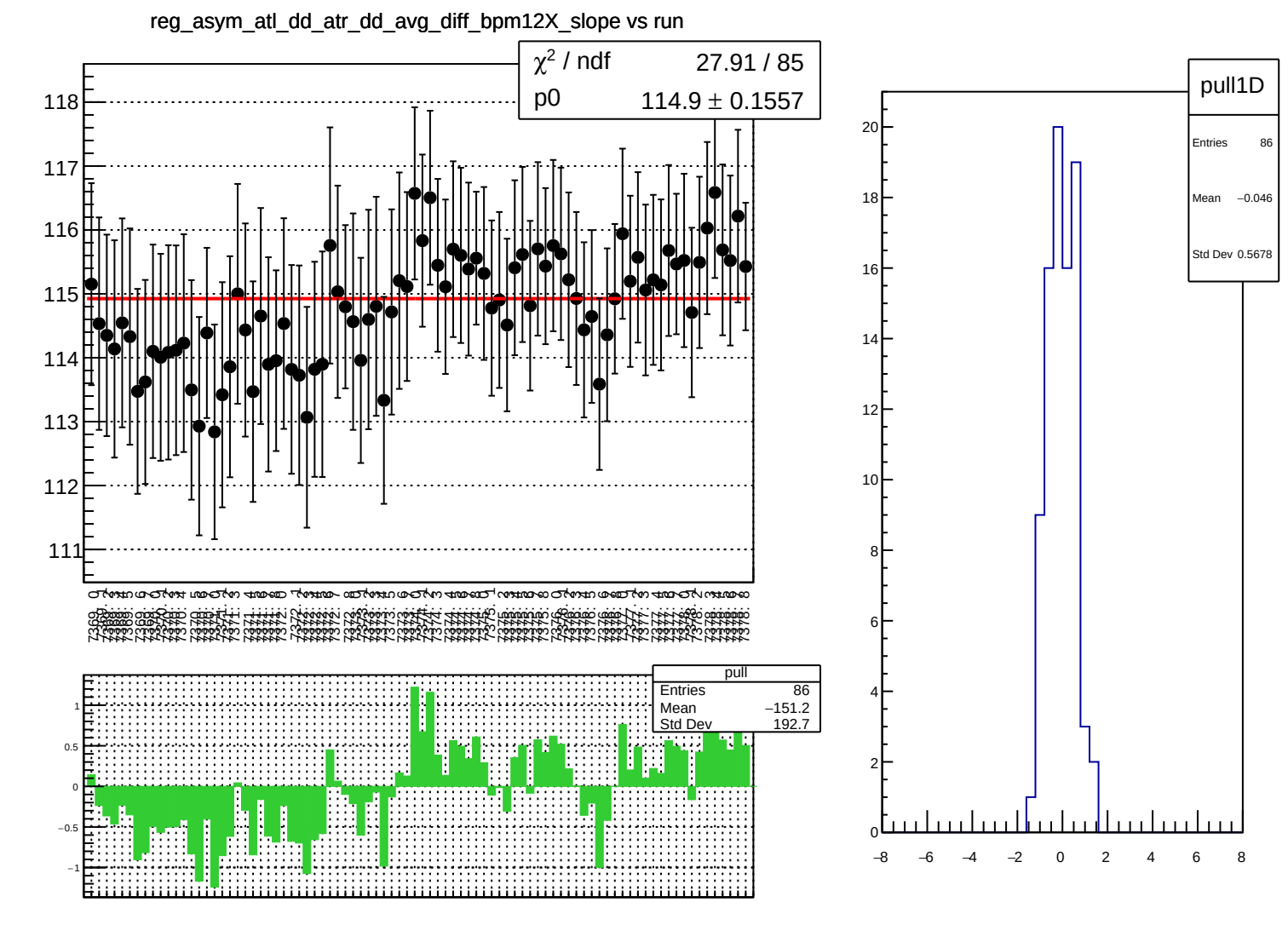

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 79.4 / 85
p0 112.8 ± 2.855
250
200
150
100
50
pull
Entries 86
Mean 91.77
Std Dev 15.19
3
2
1
0
−1
−2
pull1D
Entries 86
Mean 0.07978
Std Dev 0.9575
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

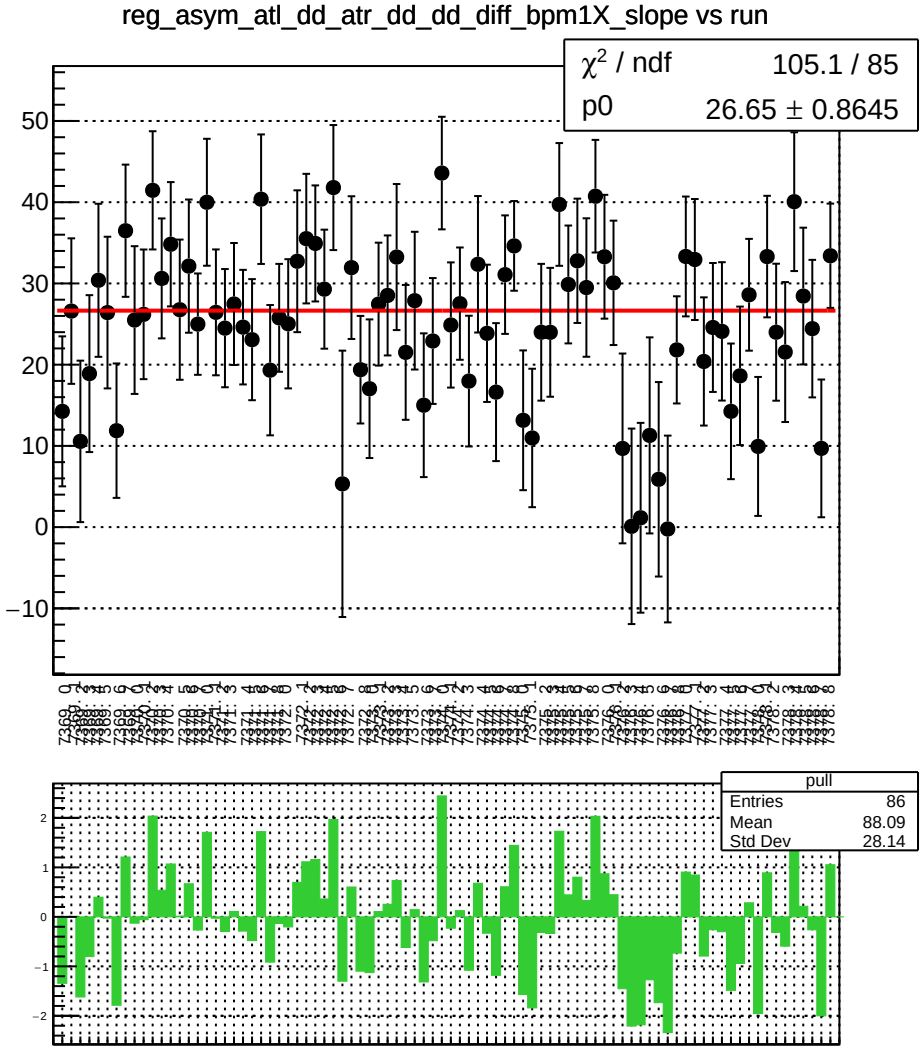

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.59 / 85
p0 39.23 ± 3.149
pull
Entries 86
Mean 723.5
Std Dev 683.8
pull1D
Entries 86
Mean −0.001712
Std Dev 0.6785

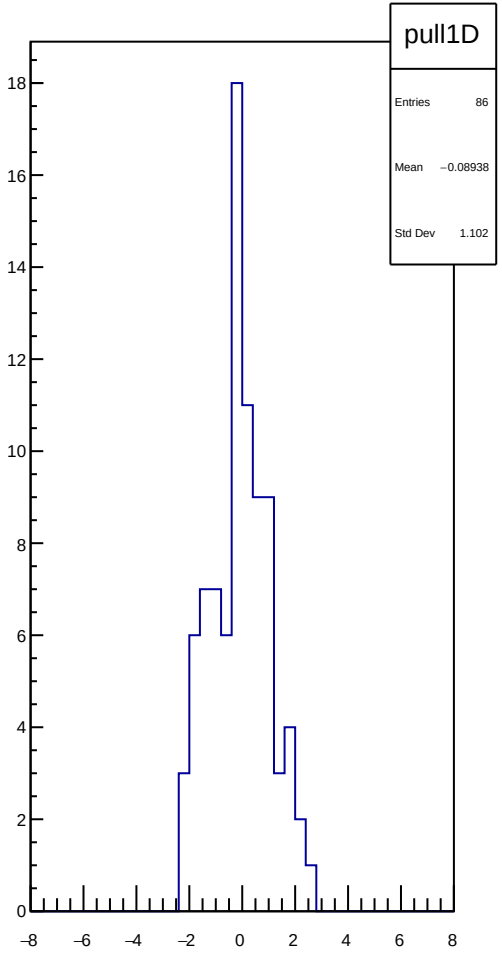

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 79.9 / 85
p0 −134.1± 2.967
pull
Entries 86
Mean 97.44
Std Dev 22.94
pull1D
Entries 86
Mean −0.07699
Std Dev 0.9608

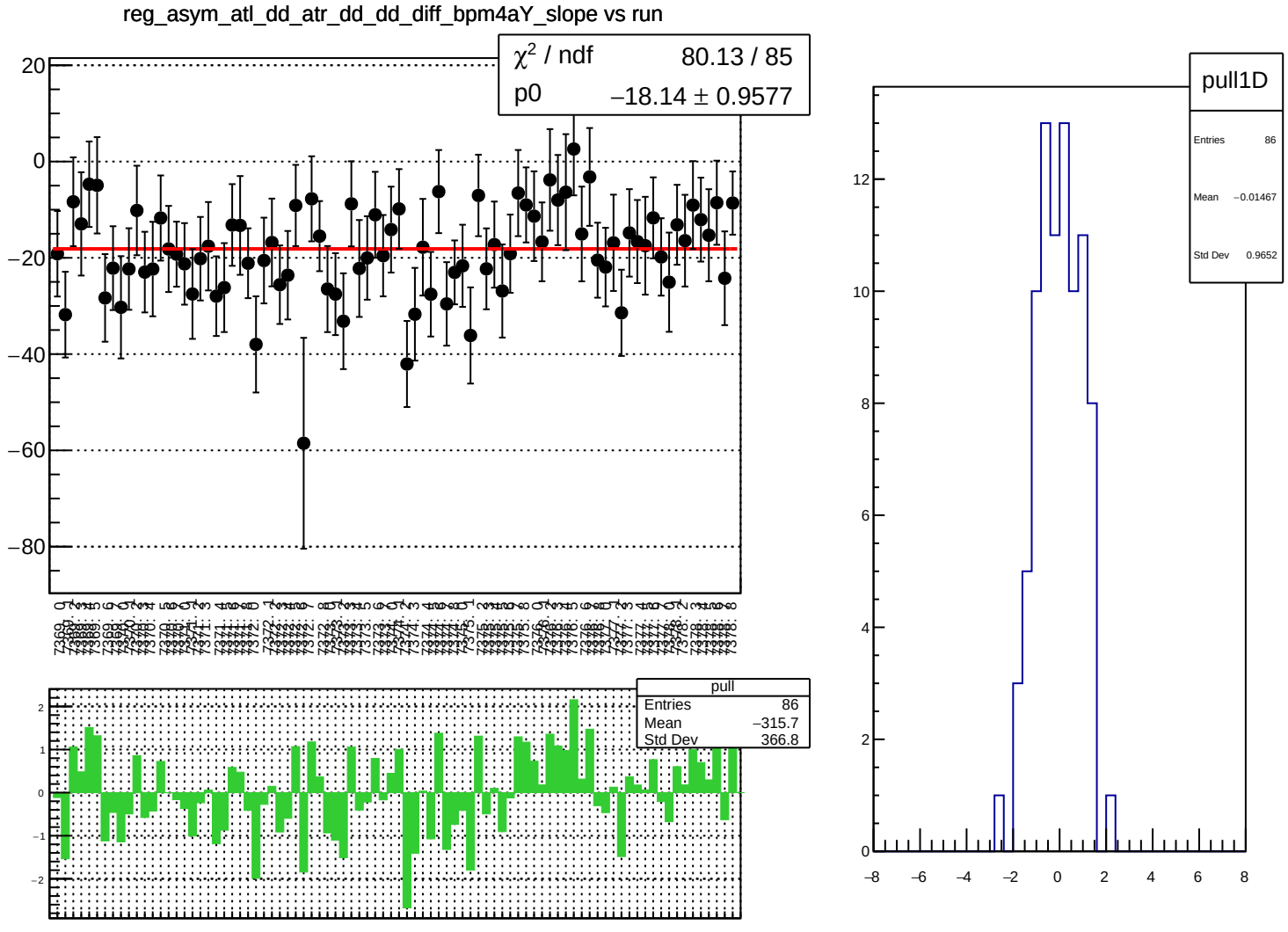

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.91 / 85
p0 −107.2 ± 3.356
pull
Entries 86
Mean 126.9
Std Dev 83.64

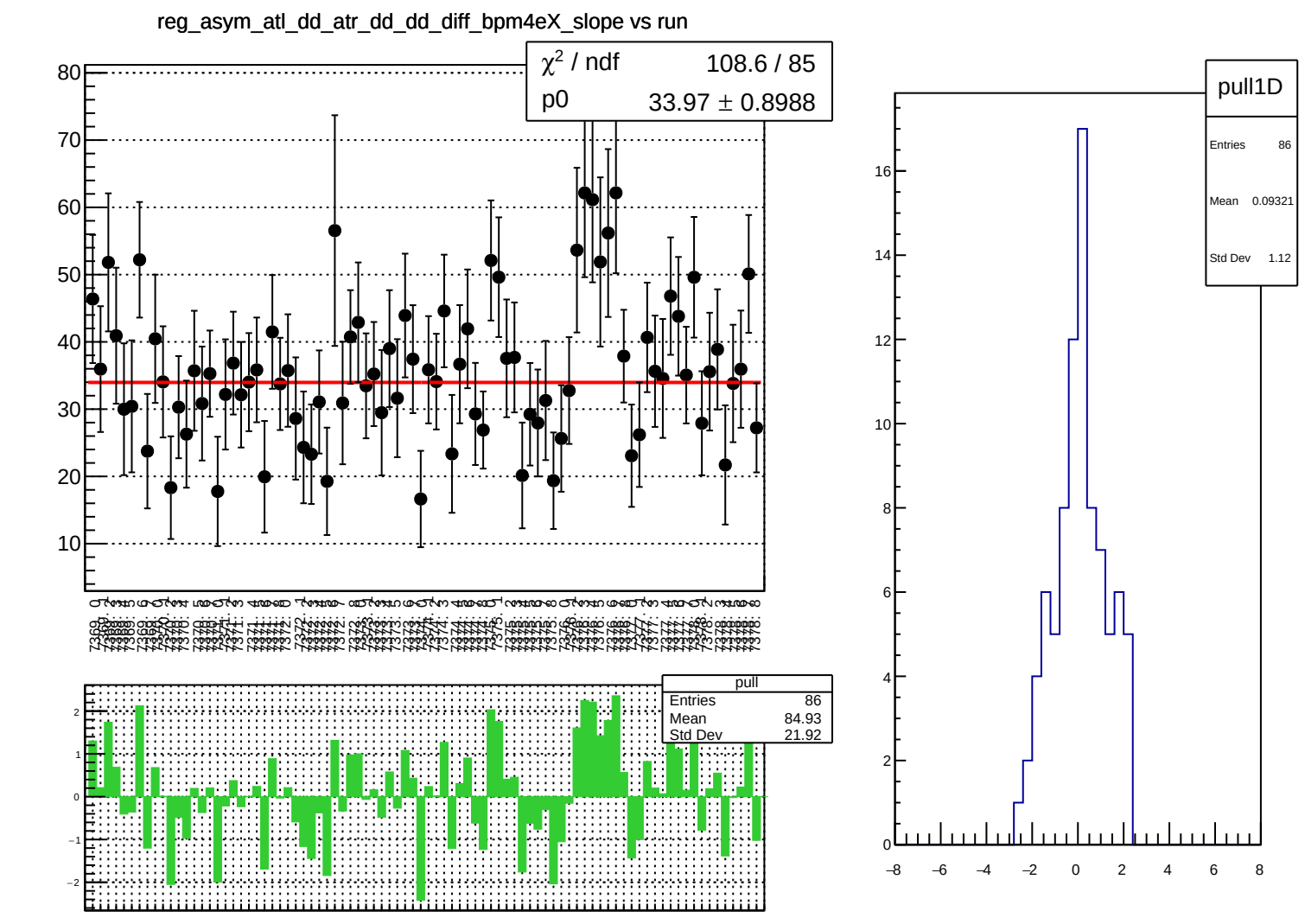

pull1D
Entries 86
Mean 0.01354
Std Dev 0.655

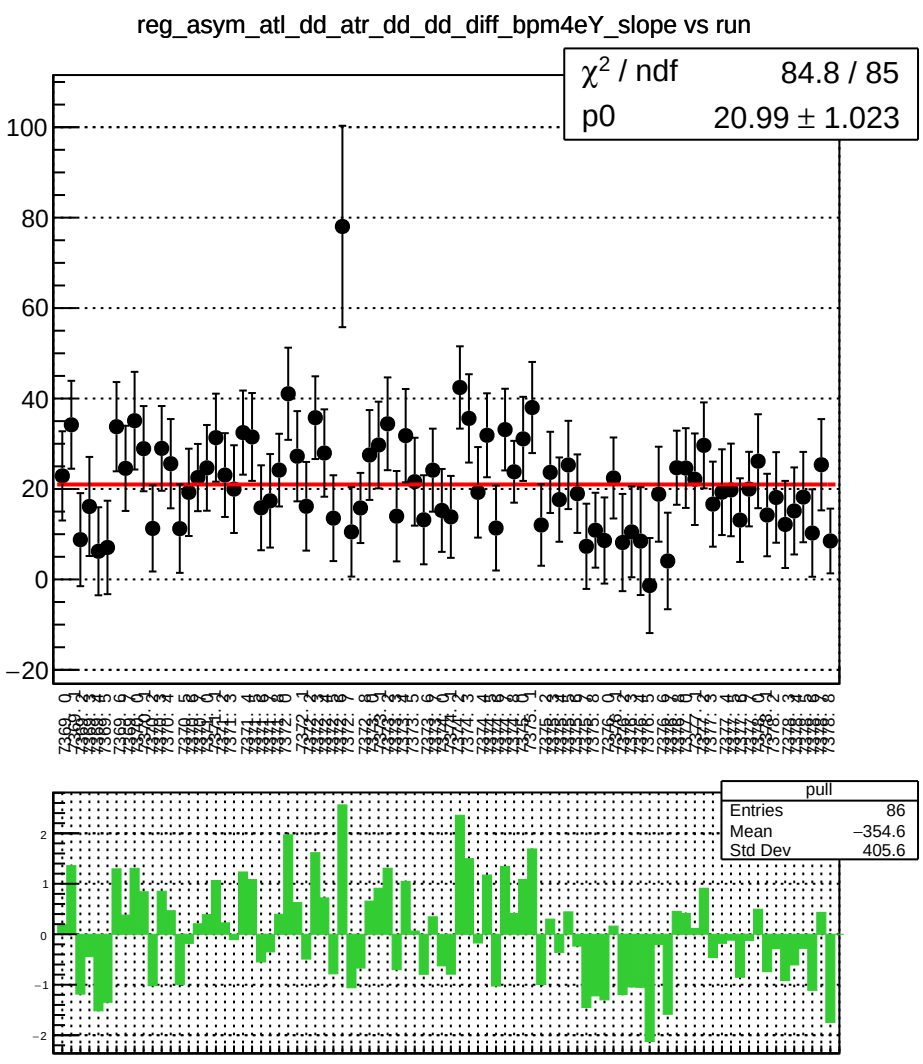

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 27.91 / 85
p0 114.9 ± 0.1557
pull
Entries 86
Mean −151.2
Std Dev 192.7
pull1D
Entries 86
Mean −0.046
Std Dev 0.5678

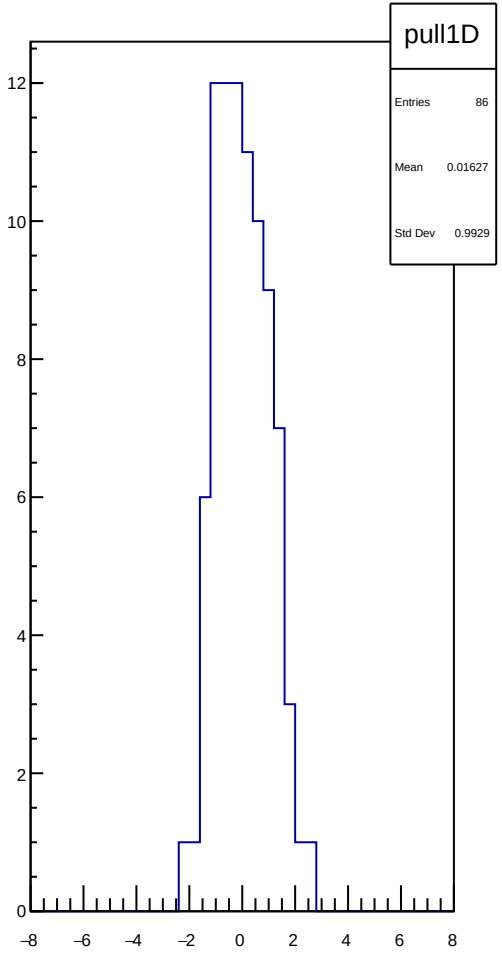

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 105.1 / 85
p0 26.65 ± 0.8645
pull
Entries 86
Mean 88.09
Std Dev 28.14

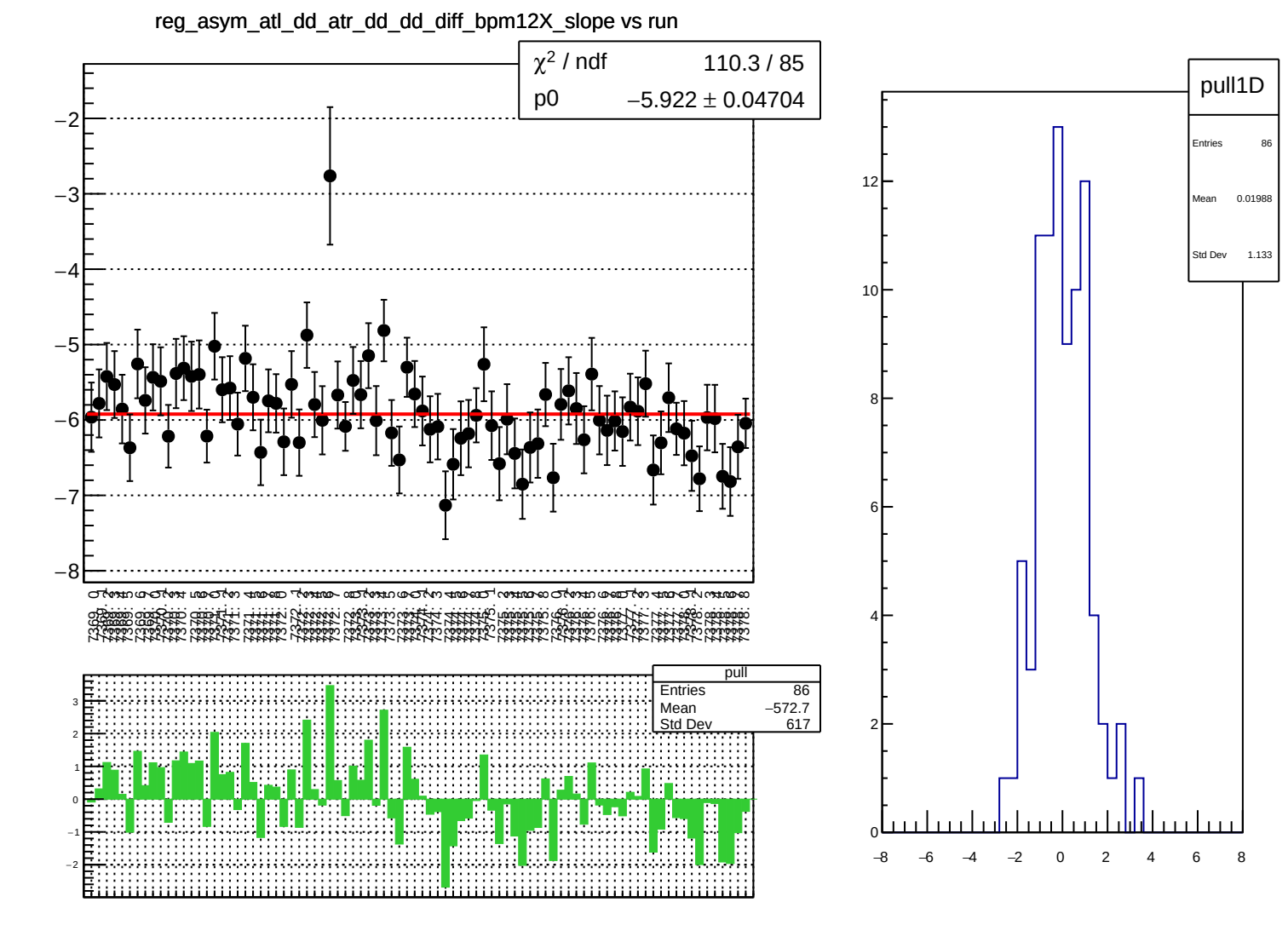

pull1D
Entries 86
Mean −0.08938
Std Dev 1.102

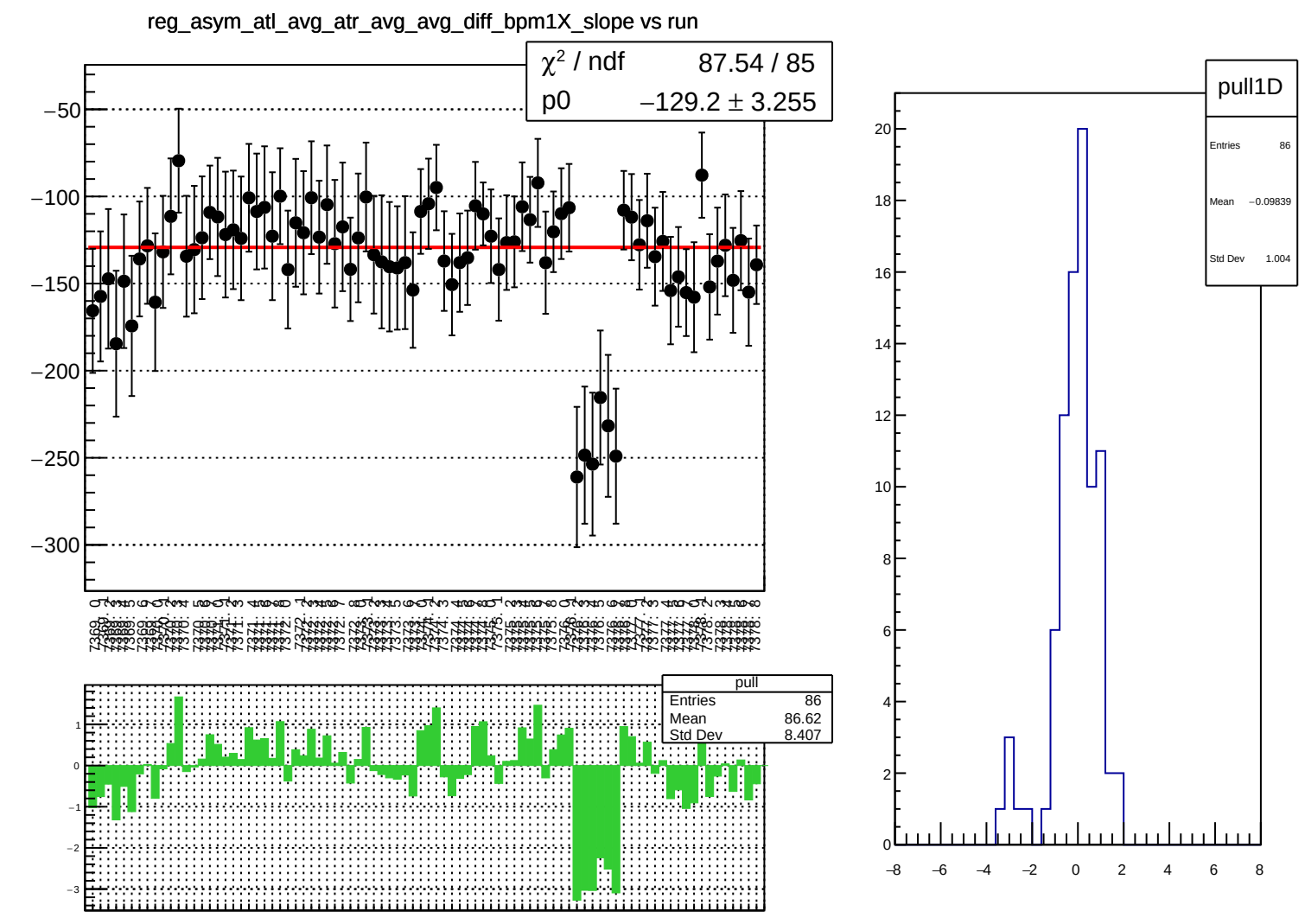

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 80.13 / 85
p0 −18.14 ± 0.9577
pull
Entries 86
Mean −315.7
Std Dev 366.8
pull1D
Entries 86
Mean −0.01467
Std Dev 0.9652

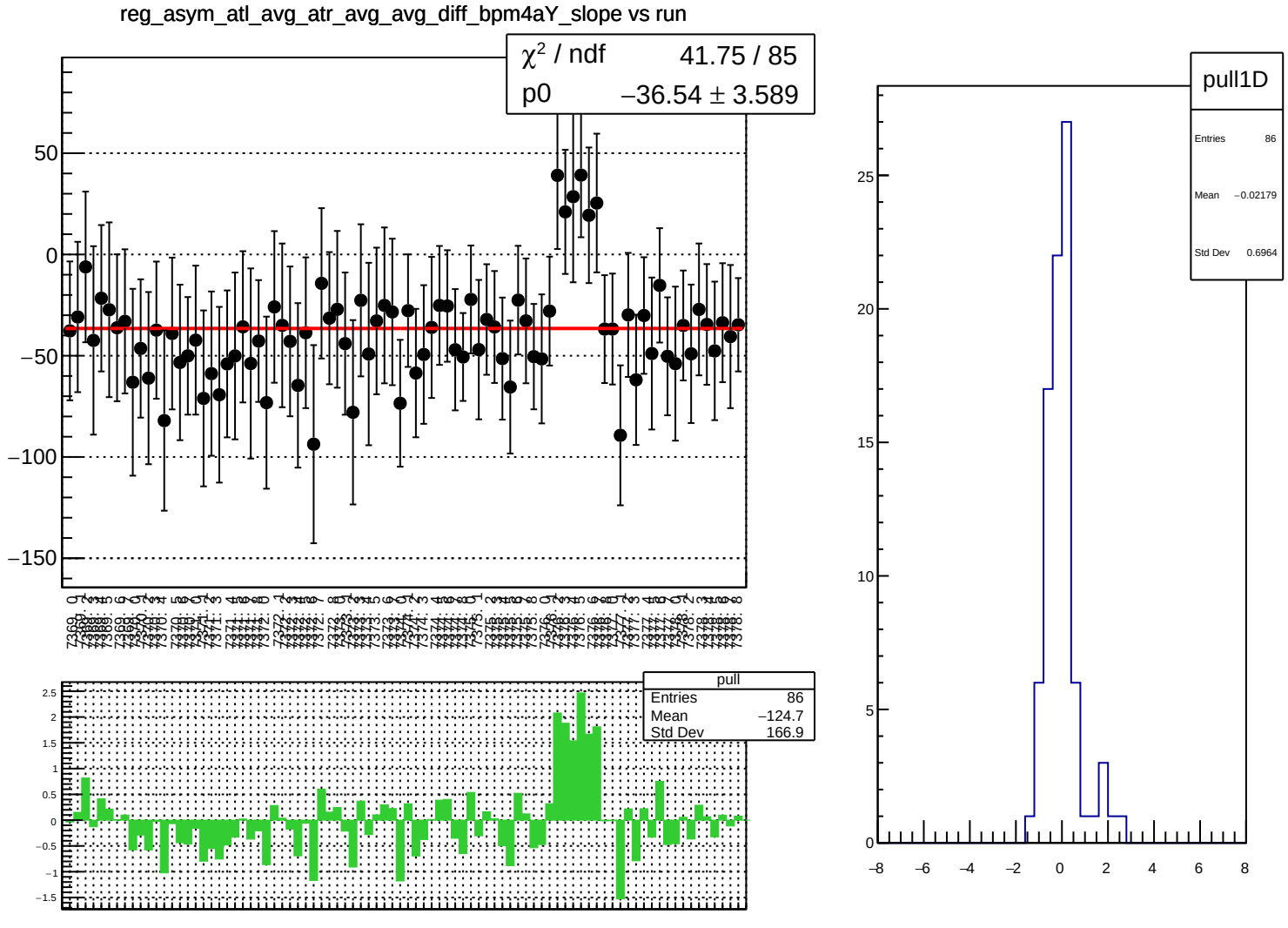

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 108.6 / 85
p0 33.97 ± 0.8988
pull
Entries 86
Mean 84.93
Std Dev 21.92
pull1D
Entries 86
Mean 0.09321
Std Dev 1.12

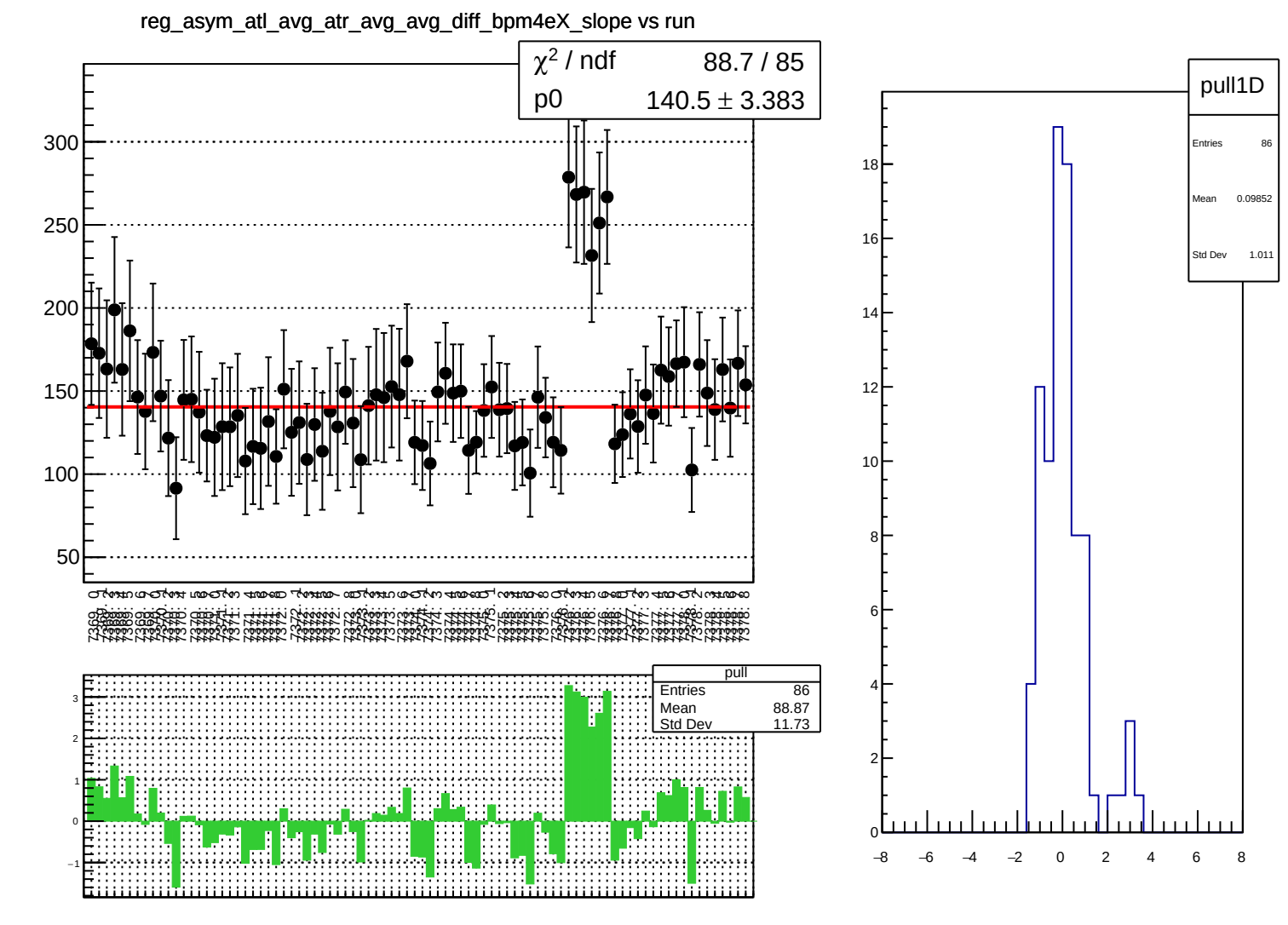

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 84.8 / 85
p0 20.99 ± 1.023
pull
Entries 86
Mean −354.6
Std Dev 405.6

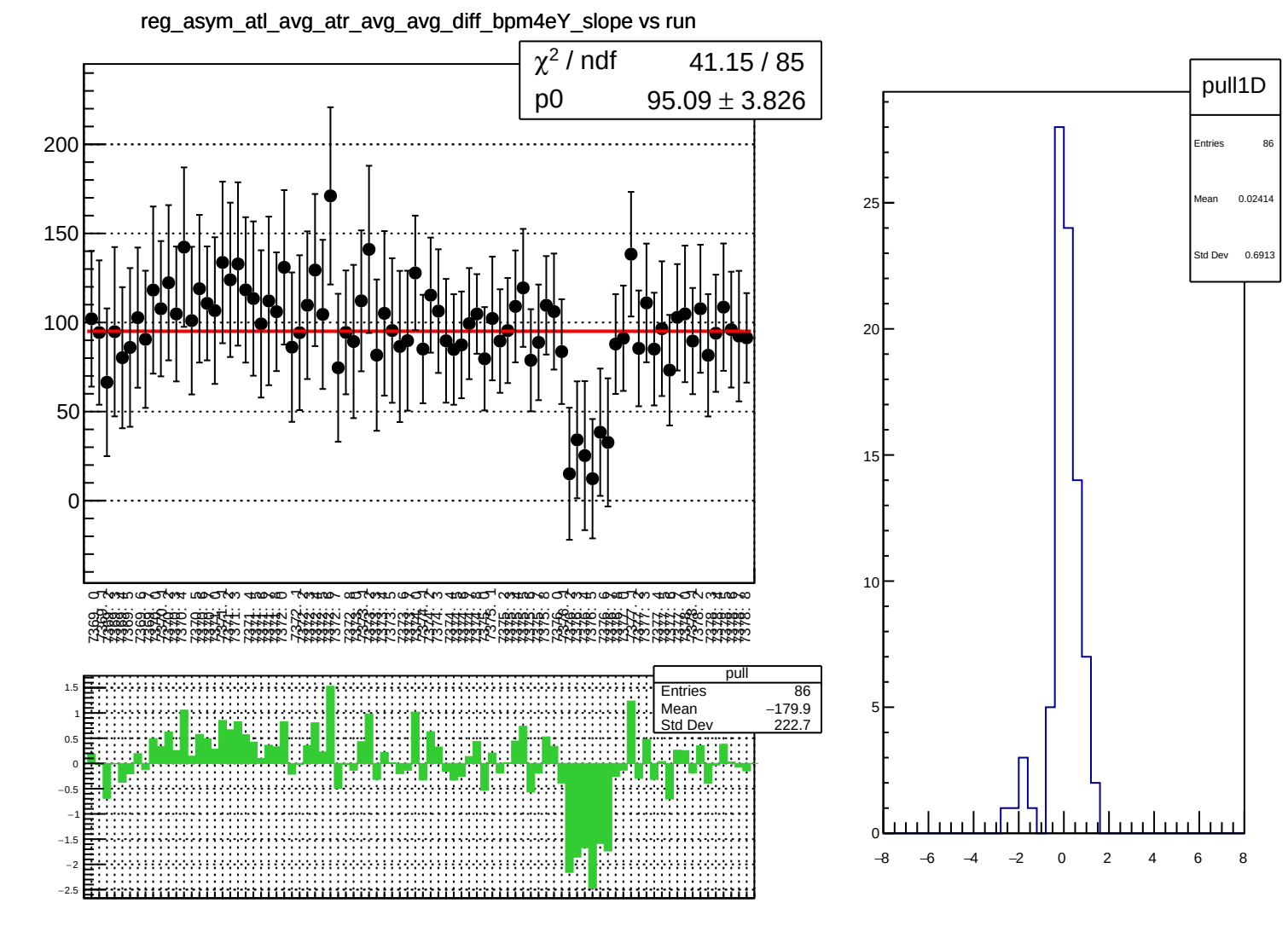

pull1D
Entries 86
Mean 0.01627
Std Dev 0.9929

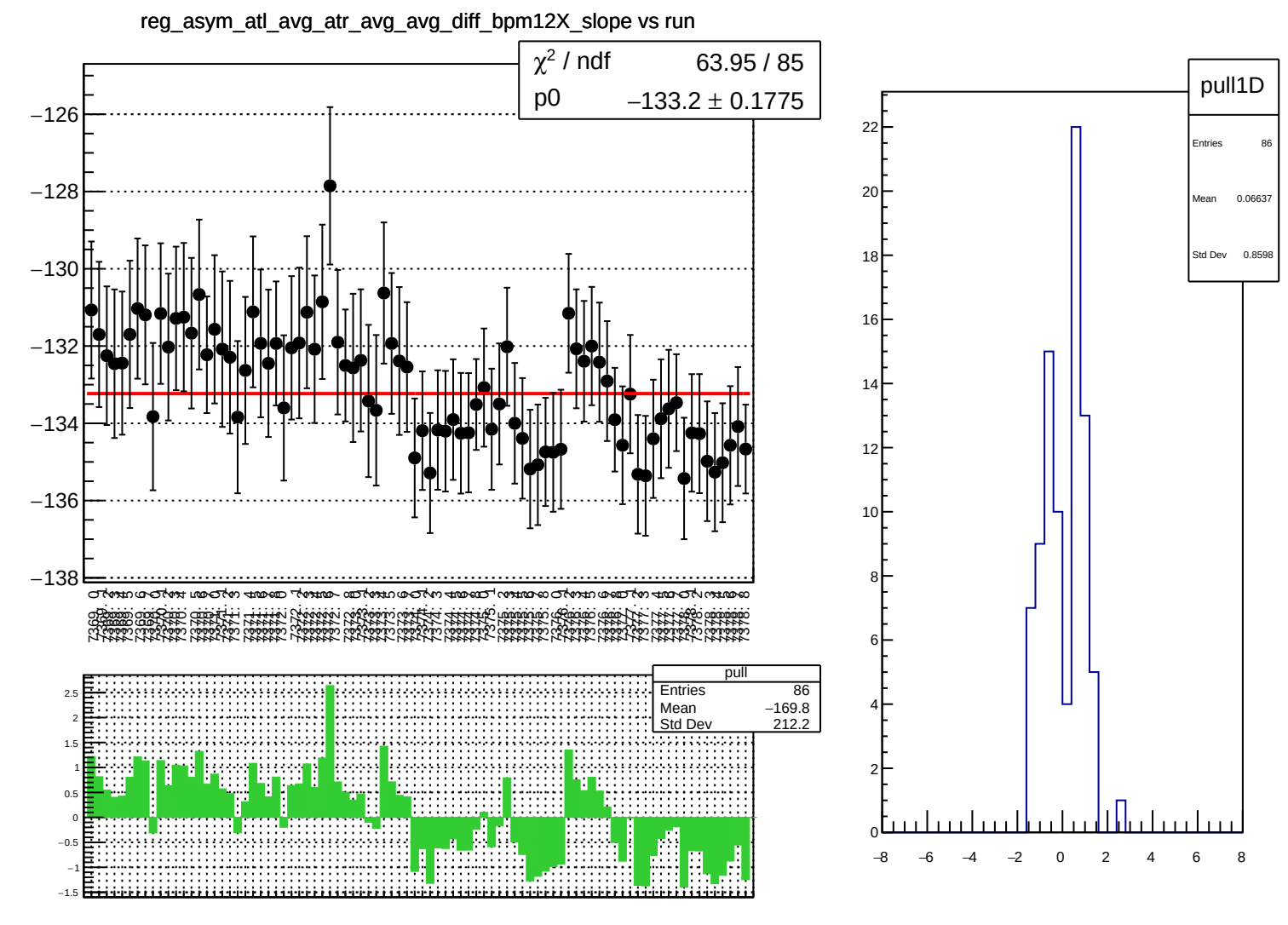

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 110.3 / 85
p0 −5.922 ± 0.04704
pull
Entries 86
Mean −572.7
Std Dev 617
pull1D
Entries 86
Mean 0.01988
Std Dev 1.133

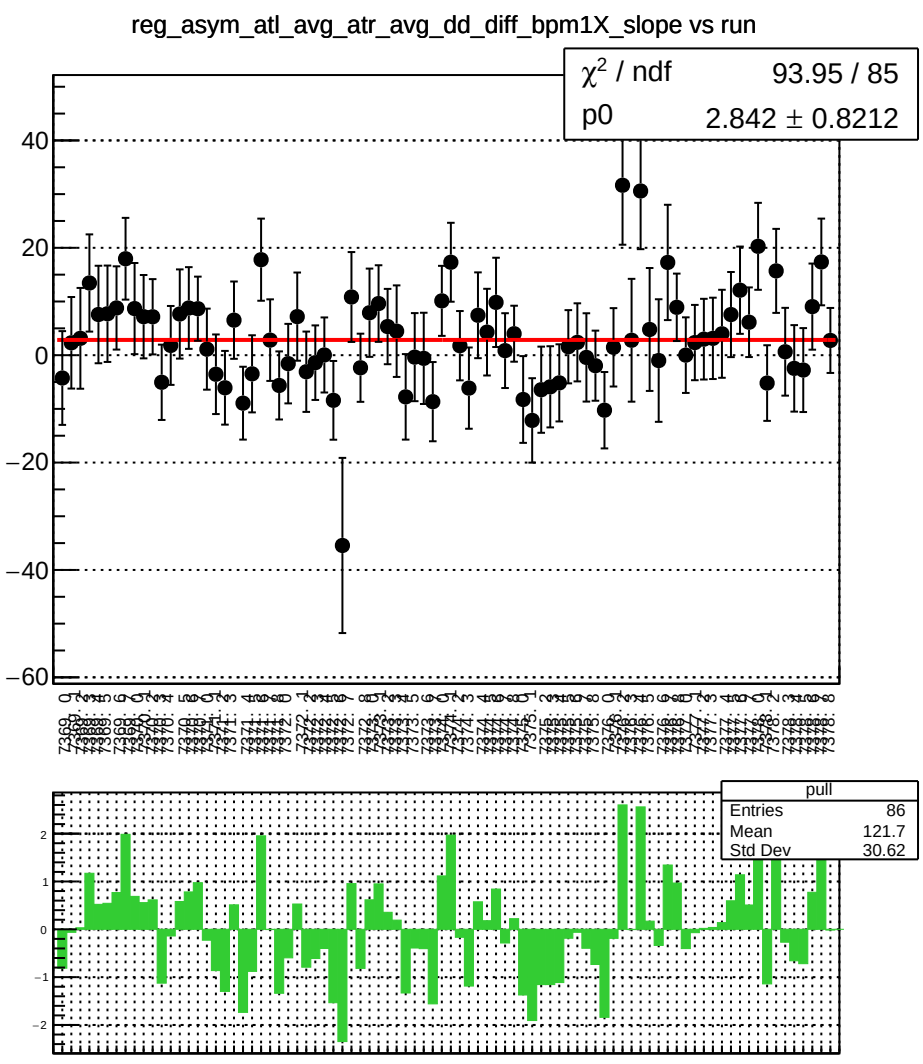

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 87.54 / 85
p0 −129.2 ± 3.255
pull
Entries 86
Mean 86.62
Std Dev 8.407
pull1D
Entries 86
Mean −0.09839
Std Dev 1.004

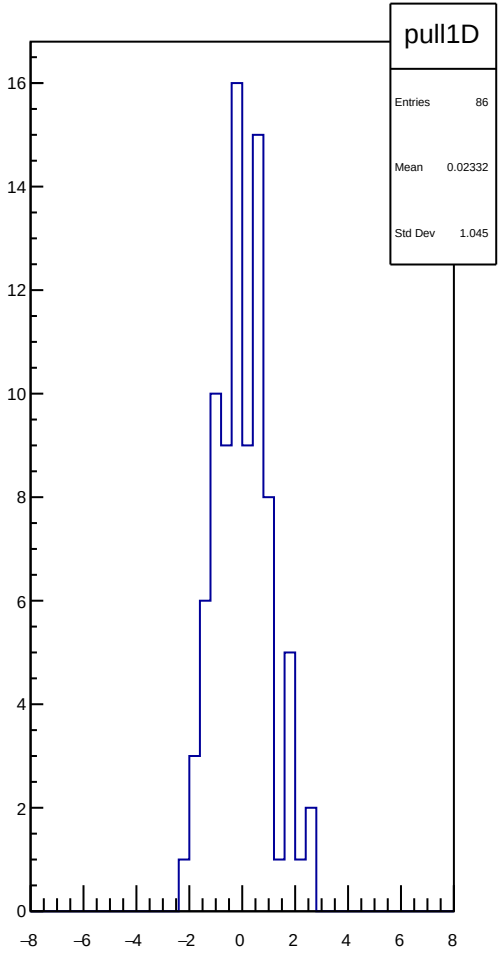

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 41.75 / 85
p0 −36.54 ± 3.589
pull
Entries 86
Mean −124.7
Std Dev 166.9
pull1D
Entries 86
Mean −0.02179
Std Dev 0.6964

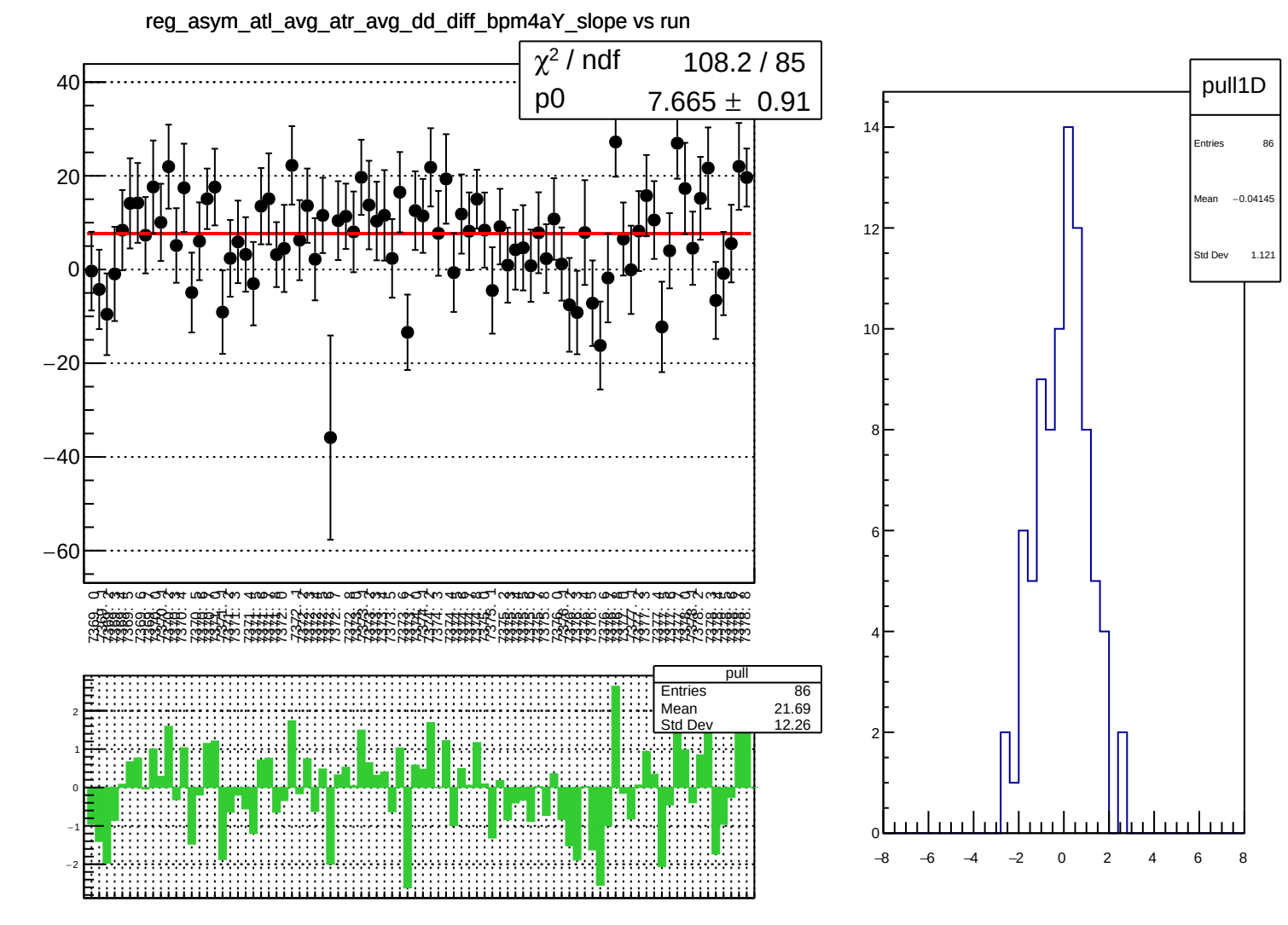

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 88.7 / 85
p0 140.5 ± 3.383
pull
Entries 86
Mean 88.87
Std Dev 11.73
pull1D
Entries 86
Mean 0.09852
Std Dev 1.011

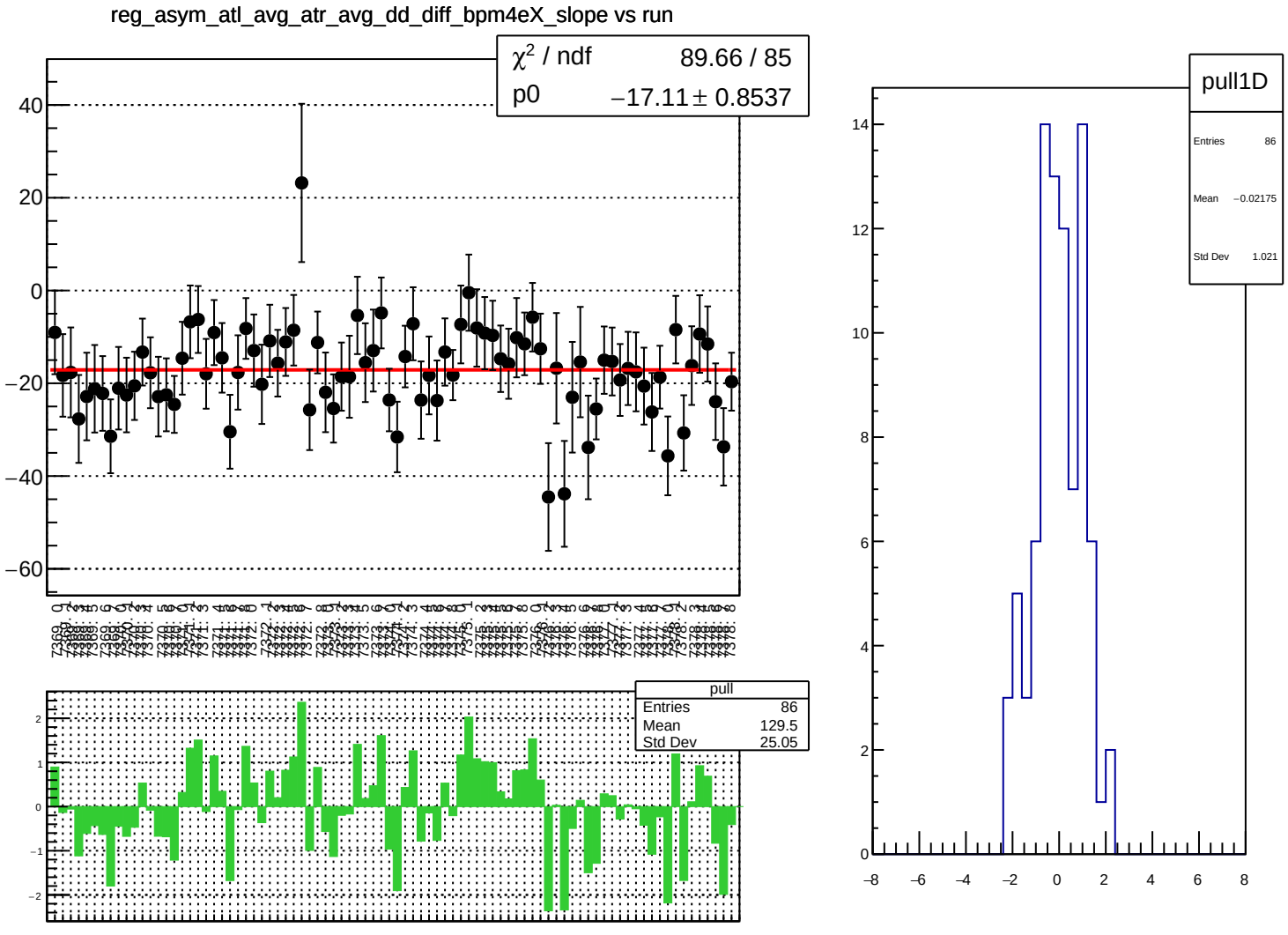

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.15 / 85
p0 95.09 ± 3.826
pull
Entries 86
Mean −179.9
Std Dev 222.7
pull1D
Entries 86
Mean 0.02414
Std Dev 0.6913

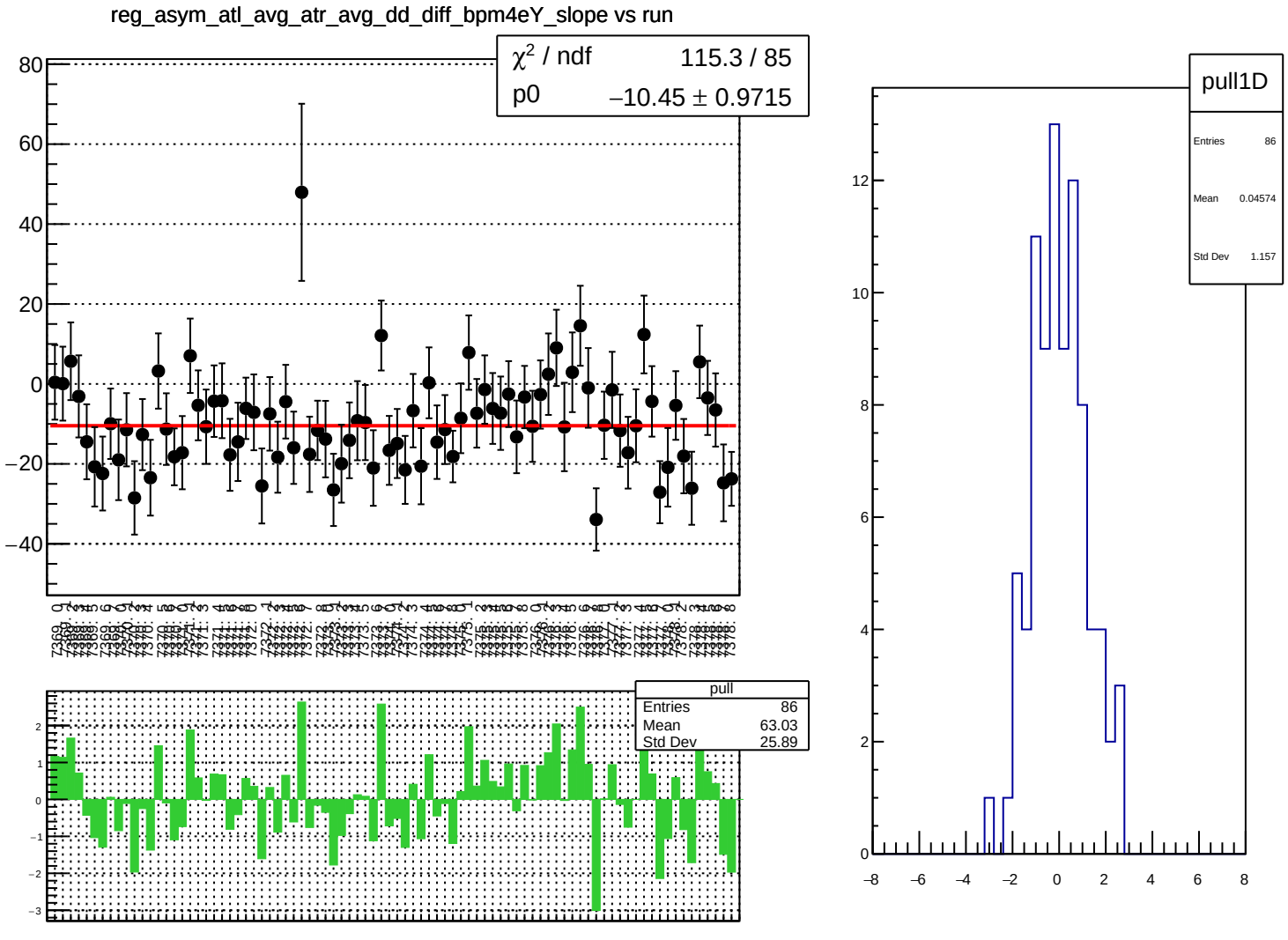

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 63.95 / 85
p0 −133.2 ± 0.1775
pull
Entries 86
Mean −169.8
Std Dev 212.2
pull1D
Entries 86
Mean 0.06637
Std Dev 0.8598

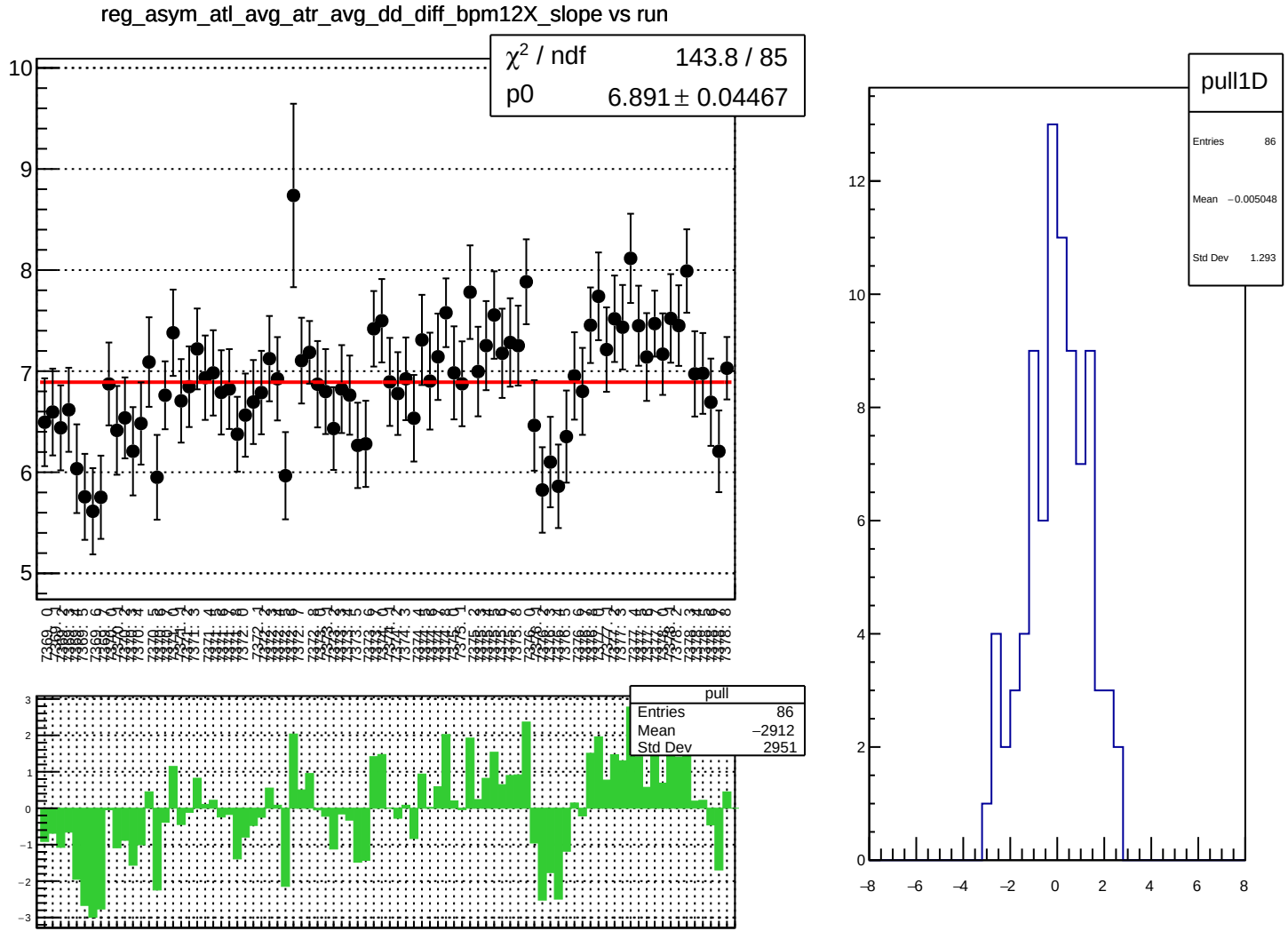

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 93.95 / 85
p0 2.842 ± 0.8212
pull
Entries 86
Mean 121.7
Std Dev 30.62

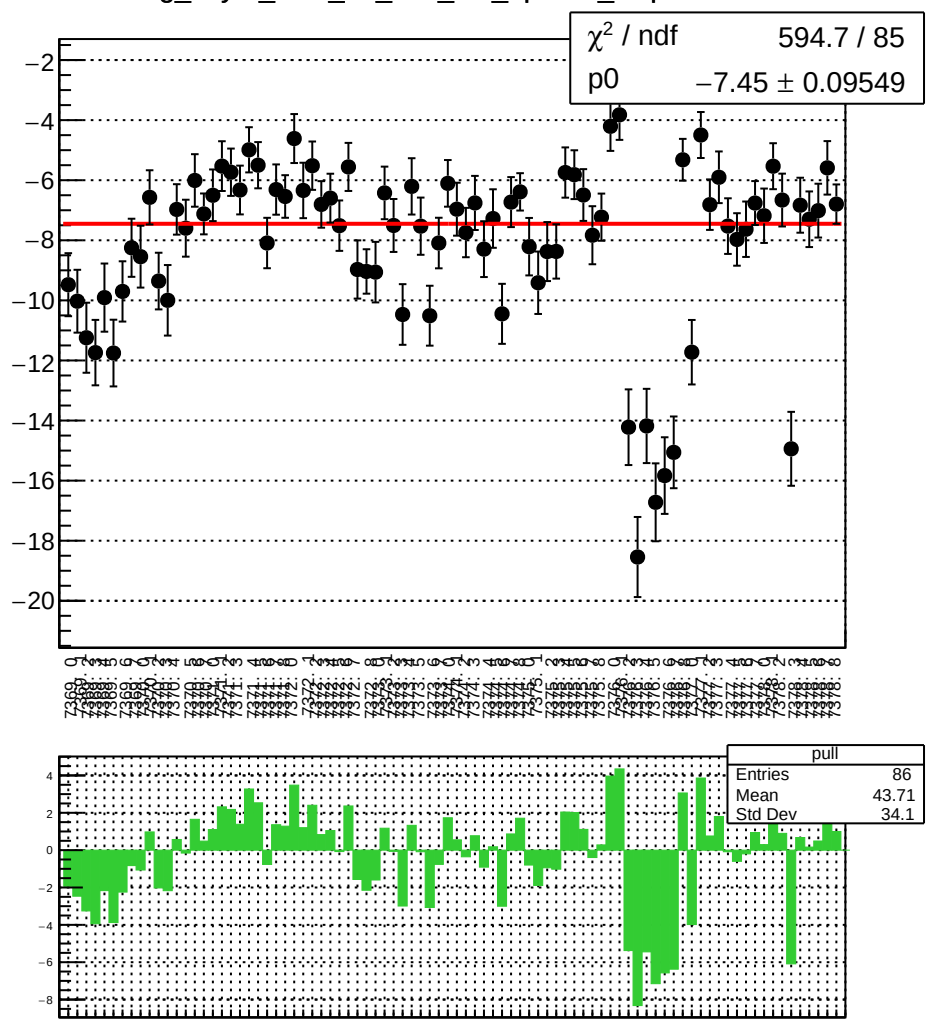

pull1D
Entries 86
Mean 0.02332
Std Dev 1.045

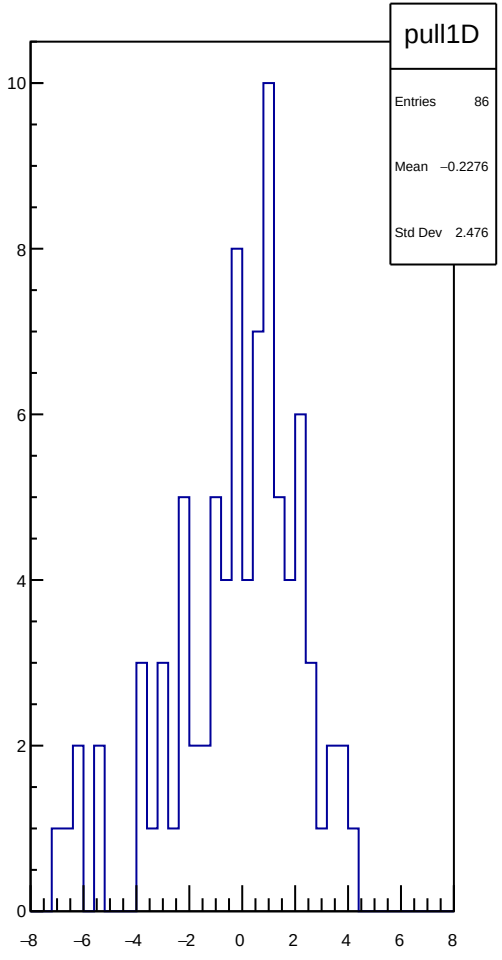

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 108.2 / 85
p0 7.665 ± 0.91
pull
Entries 86
Mean 21.69
Std Dev 12.26
pull1D
Entries 86
Mean −0.04145
Std Dev 1.121

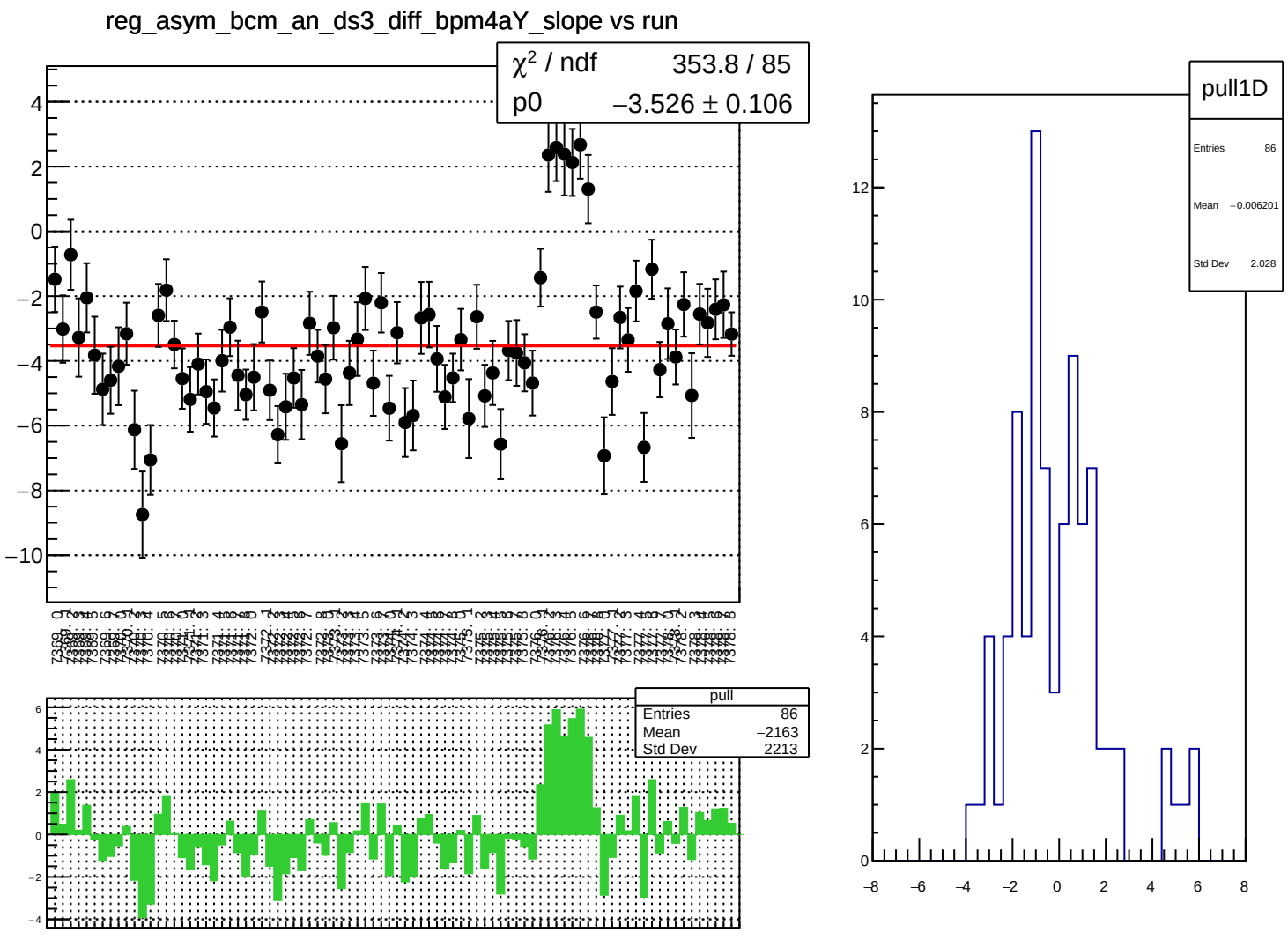

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.66 / 85
p0 −17.11 ± 0.8537
pull
Entries 86
Mean 129.5
Std Dev 25.05
pull1D
Entries 86
Mean −0.02175
Std Dev 1.021

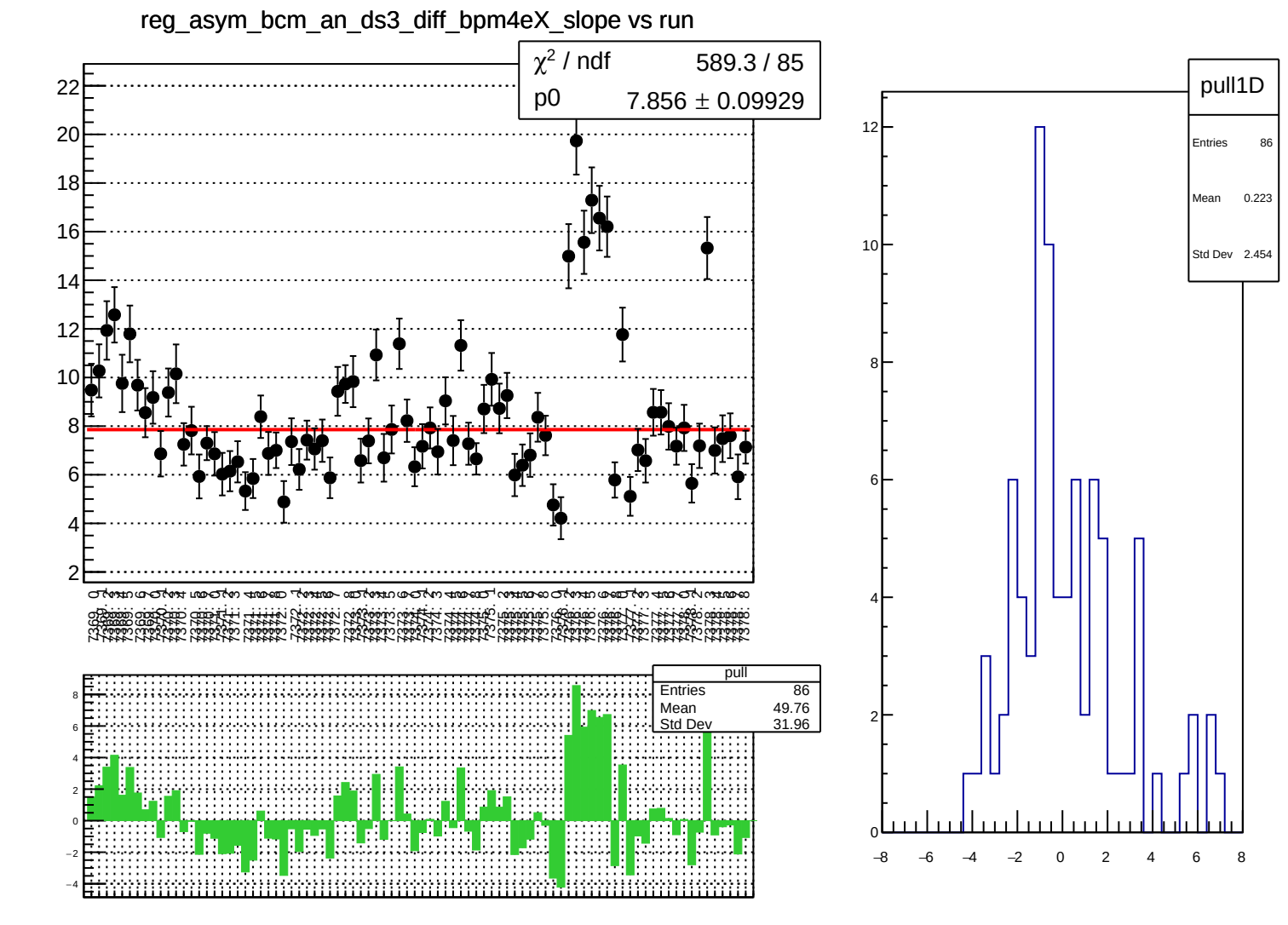

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 115.3 / 85
p0 −10.45 ± 0.9715
pull
Entries 86
Mean 63.03
Std Dev 25.89
pull1D
Entries 86
Mean 0.04574
Std Dev 1.157

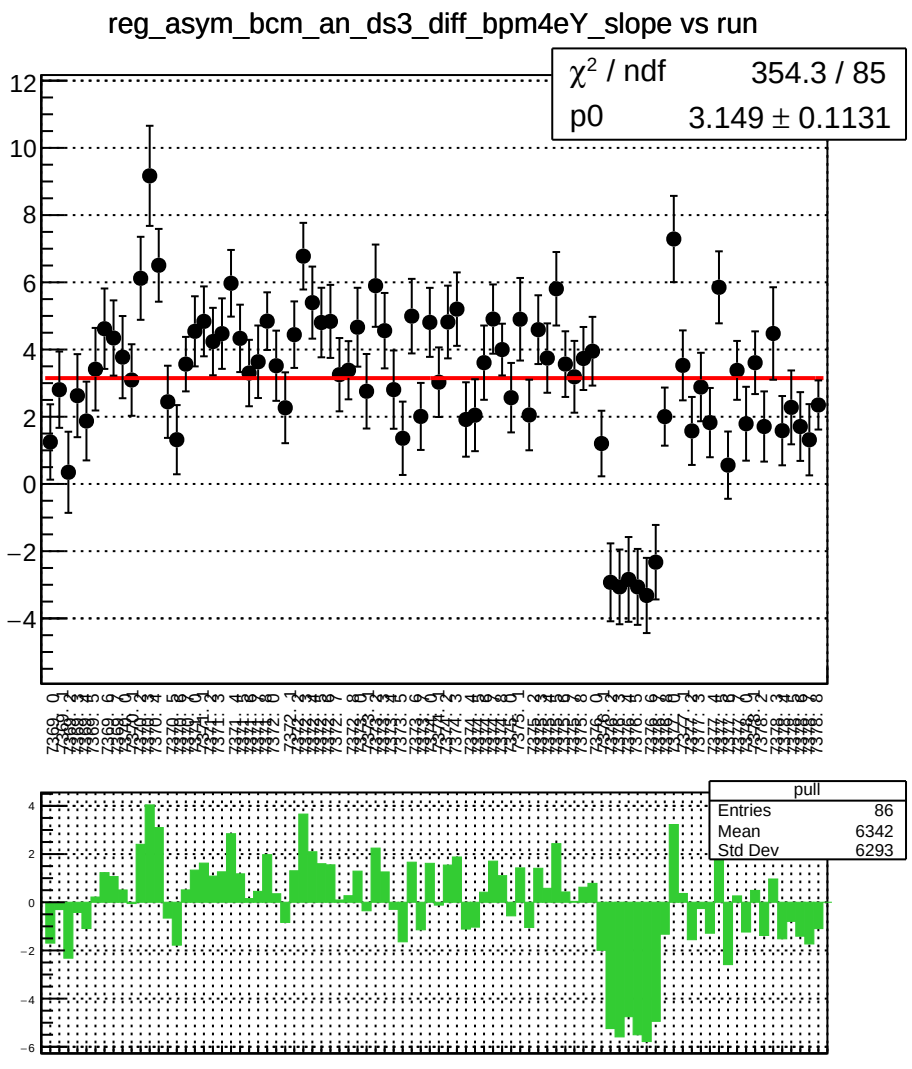

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 143.8 / 85
p0 6.891 ± 0.04467
pull
Entries 86
Mean −2912
Std Dev 2951
pull1D
Entries 86
Mean −0.005048
Std Dev 1.293

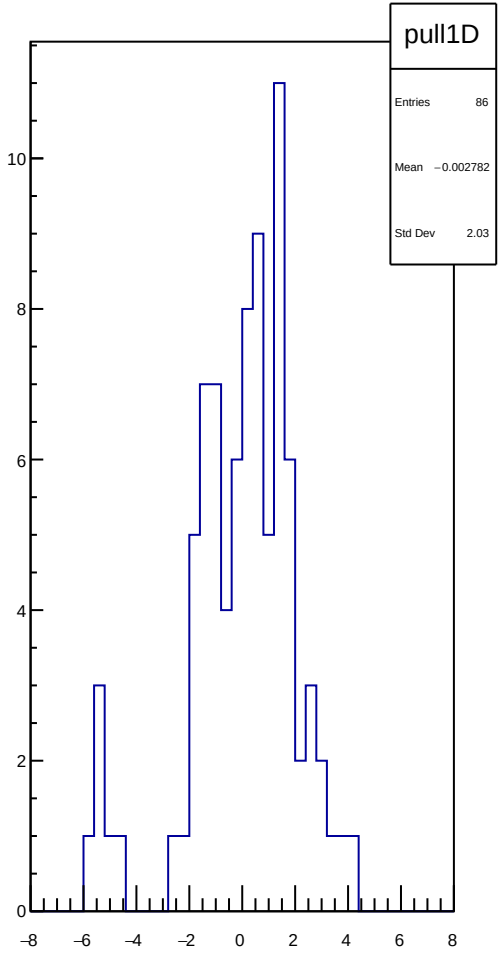

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 594.7 / 85
p0 −7.45 ± 0.09549
pull
Entries 86
Mean 43.71
Std Dev 34.1

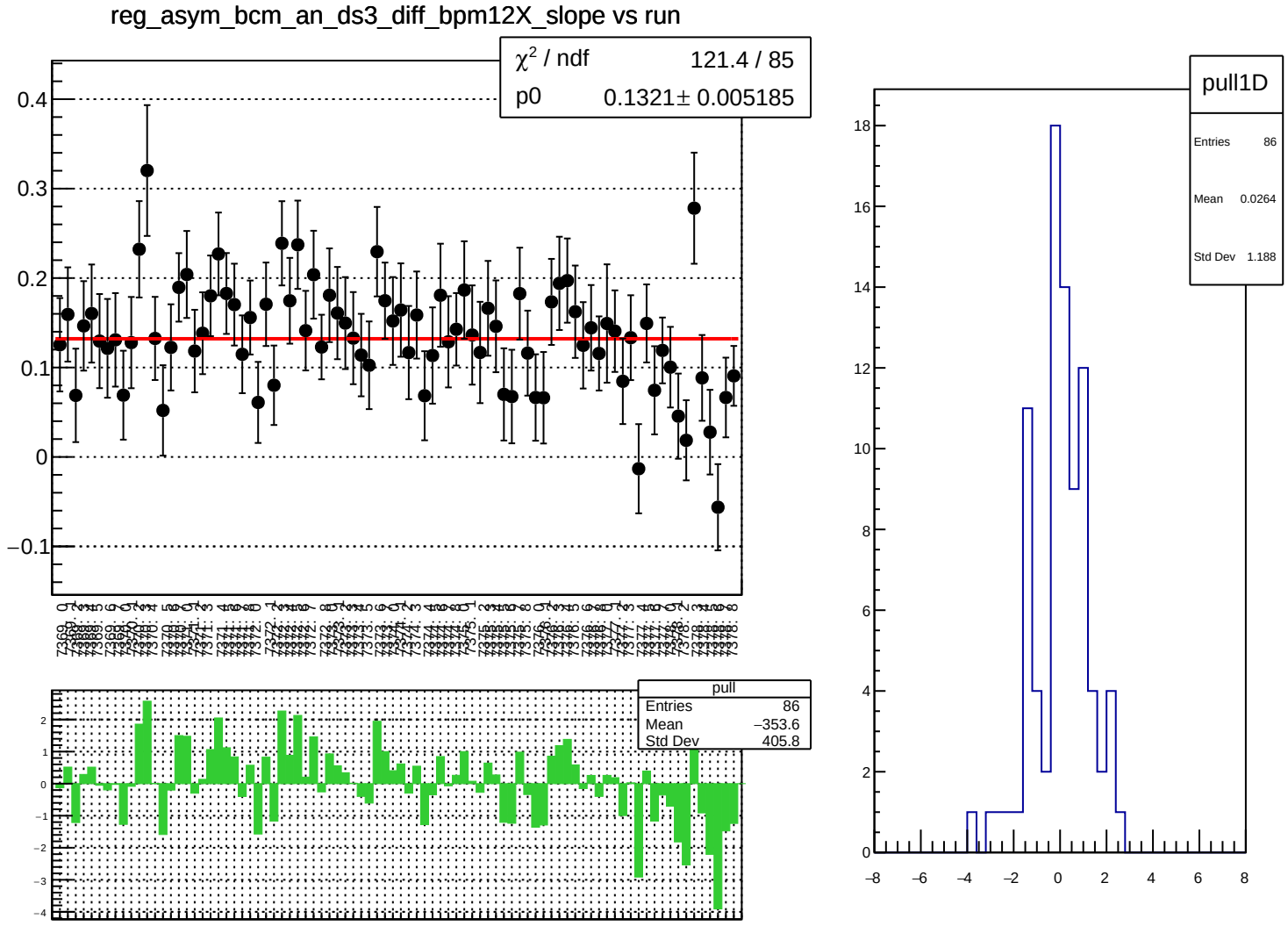

pull1D
Entries 86
Mean −0.2276
Std Dev 2.476

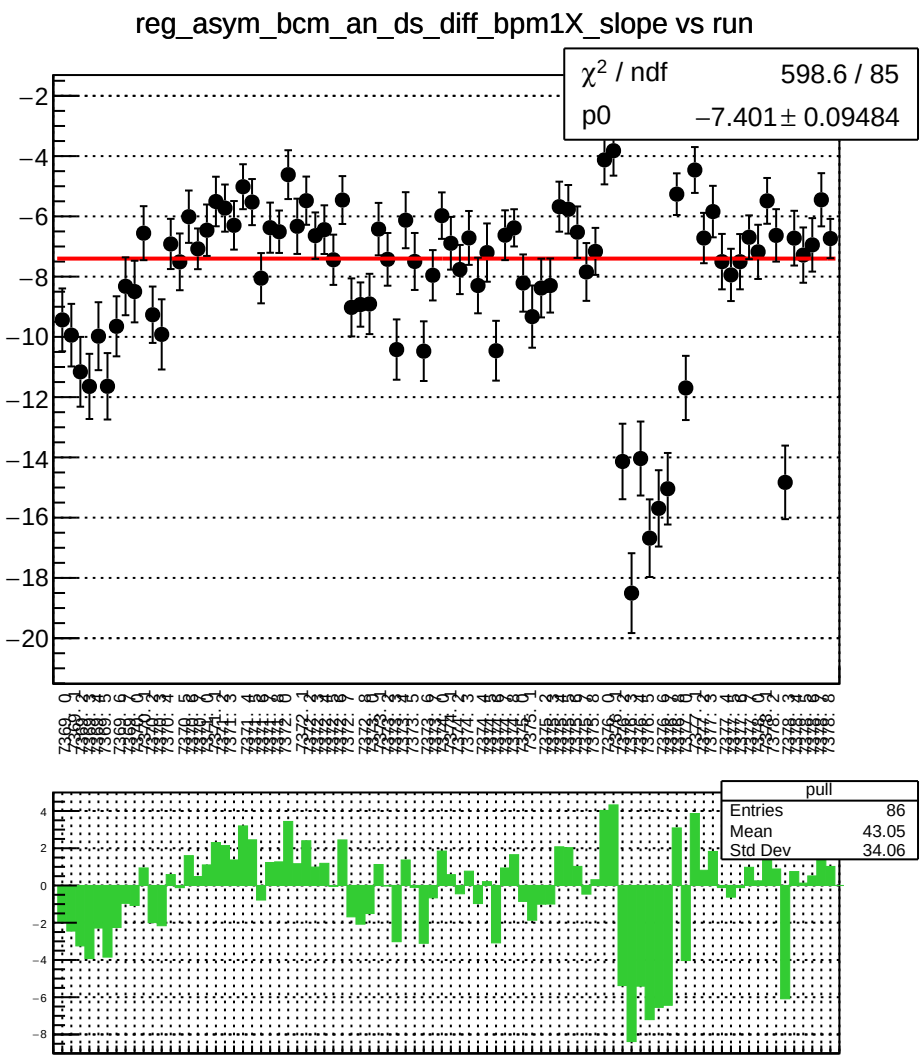

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 353.8 / 85
p0 −3.526 ± 0.106
pull
Entries 86
Mean −2163
Std Dev 2213
pull1D
Entries 86
Mean −0.006201
Std Dev 2.028

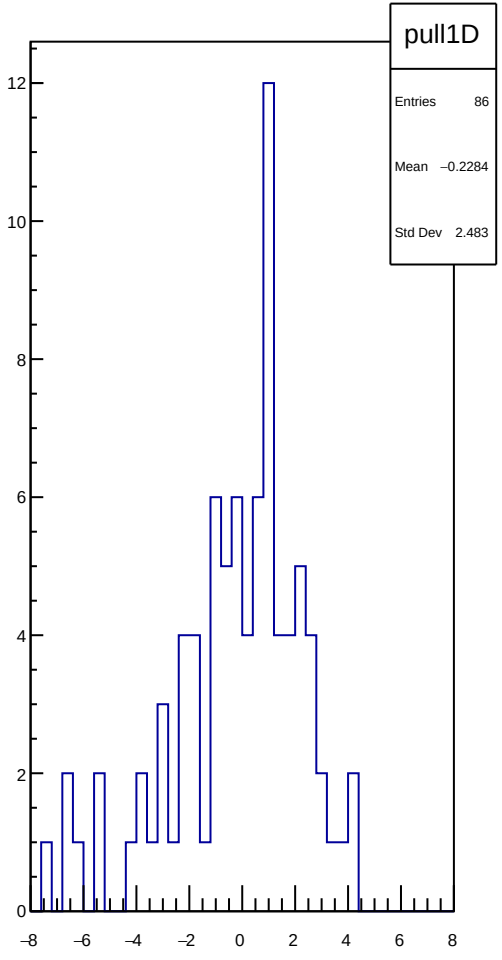

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 589.3 / 85
p0 7.856 ± 0.09929
pull
Entries 86
Mean 49.76
Std Dev 31.96
pull1D
Entries 86
Mean 0.223
Std Dev 2.454

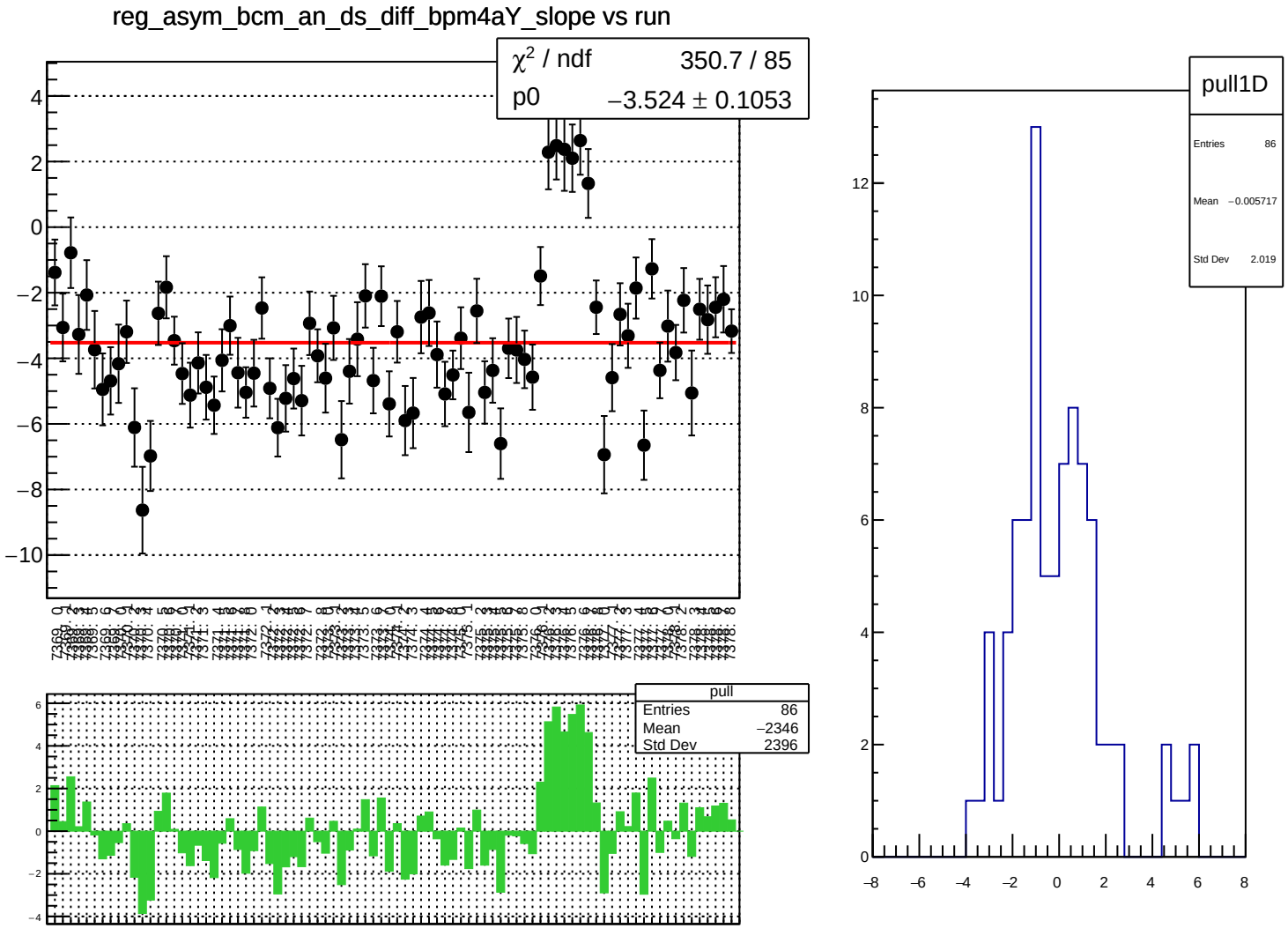

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 354.3 / 85
p0 3.149 ± 0.1131
pull
Entries 86
Mean 6342
Std Dev 6293

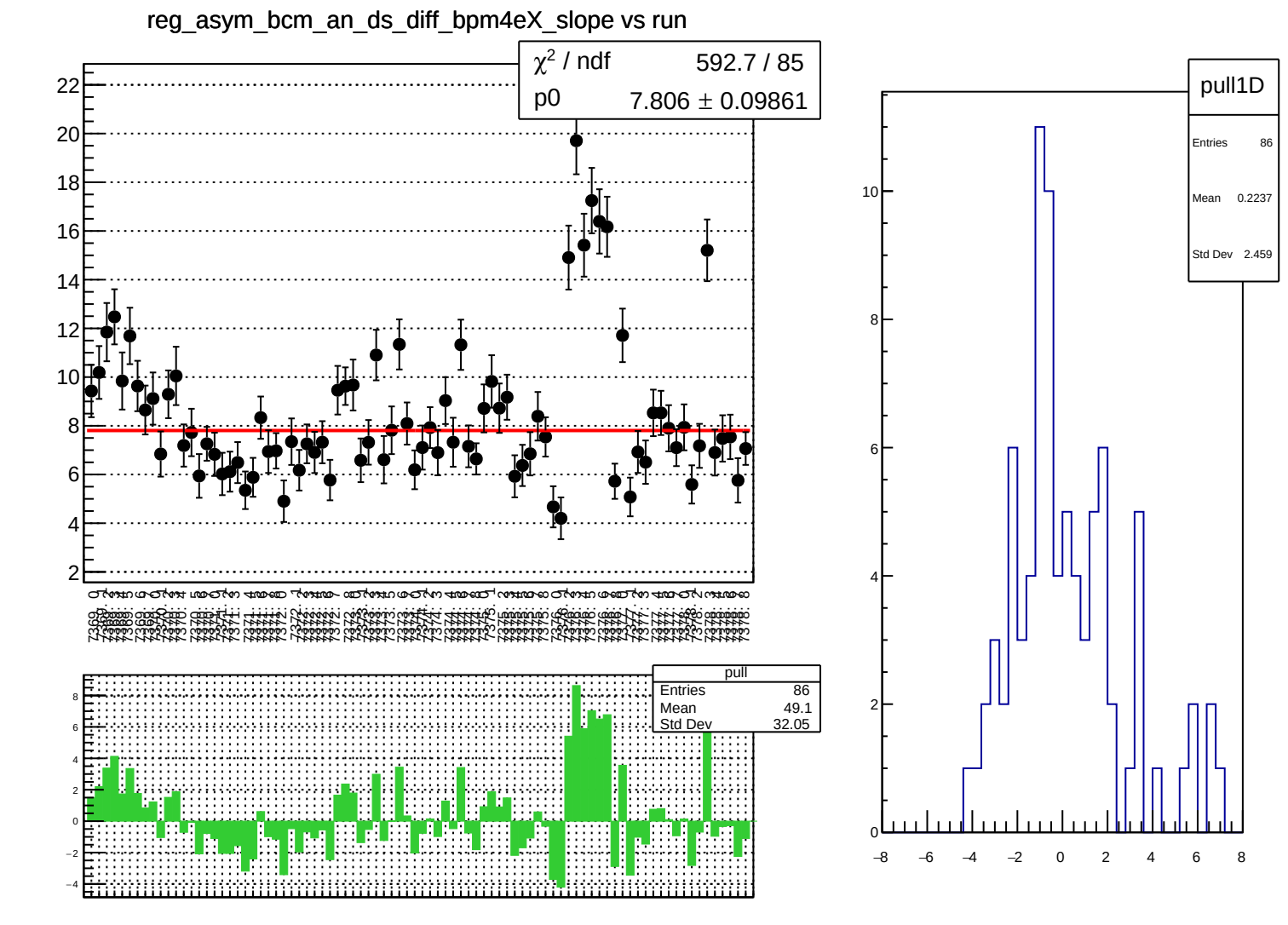

pull1D
Entries 86
Mean −0.002782
Std Dev 2.03

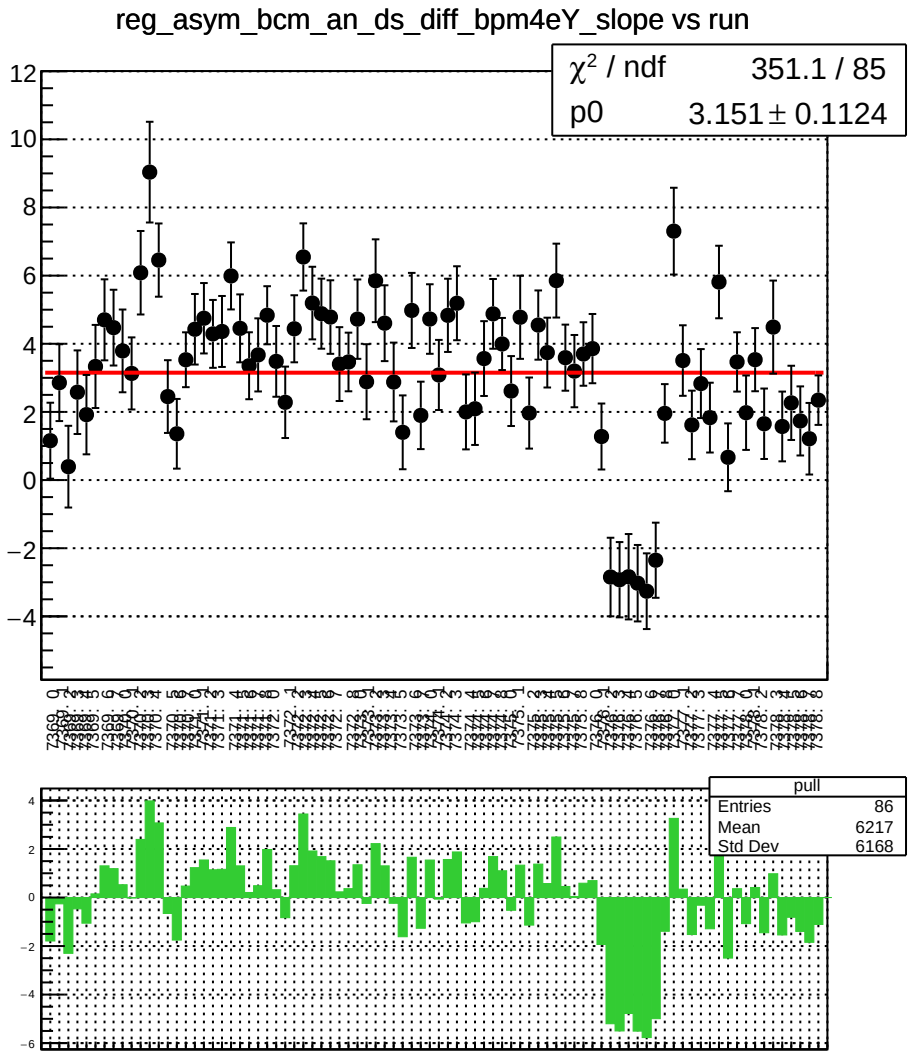

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 121.4 / 85
p0 0.1321± 0.005185
pull
Entries 86
Mean −353.6
Std Dev 405.8
pull1D
Entries 86
Mean 0.0264
Std Dev 1.188

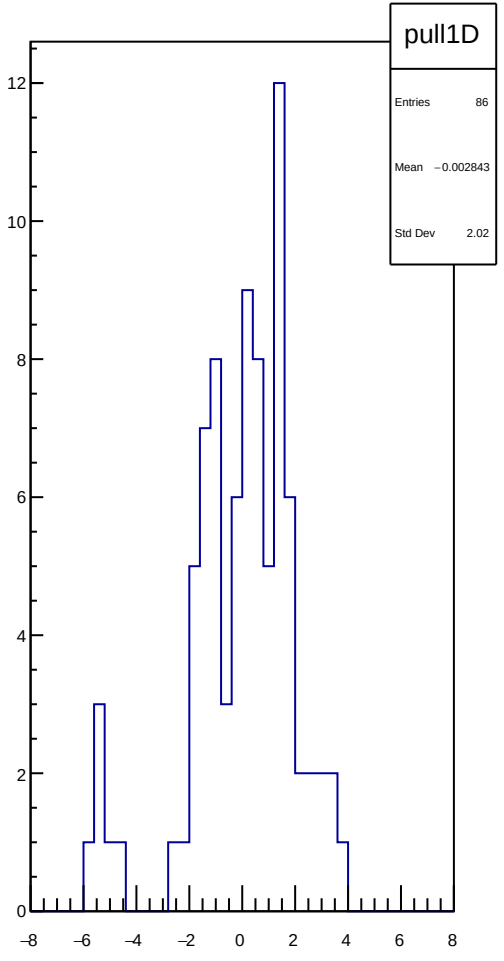

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 598.6 / 85
p0 −7.401 ± 0.09484
pull
Entries 86
Mean 43.05
Std Dev 34.06

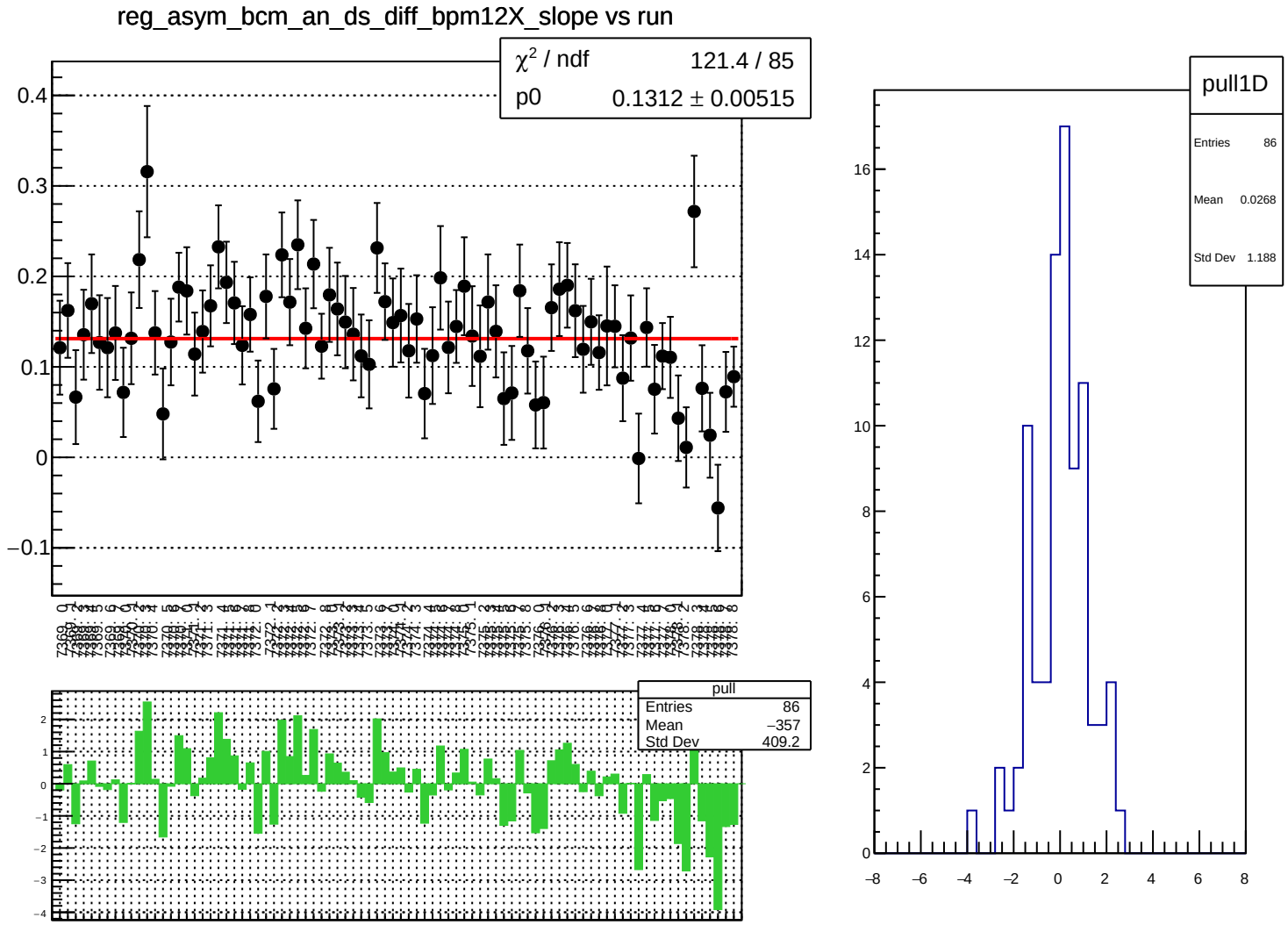

pull1D
Entries 86
Mean −0.2284
Std Dev 2.483

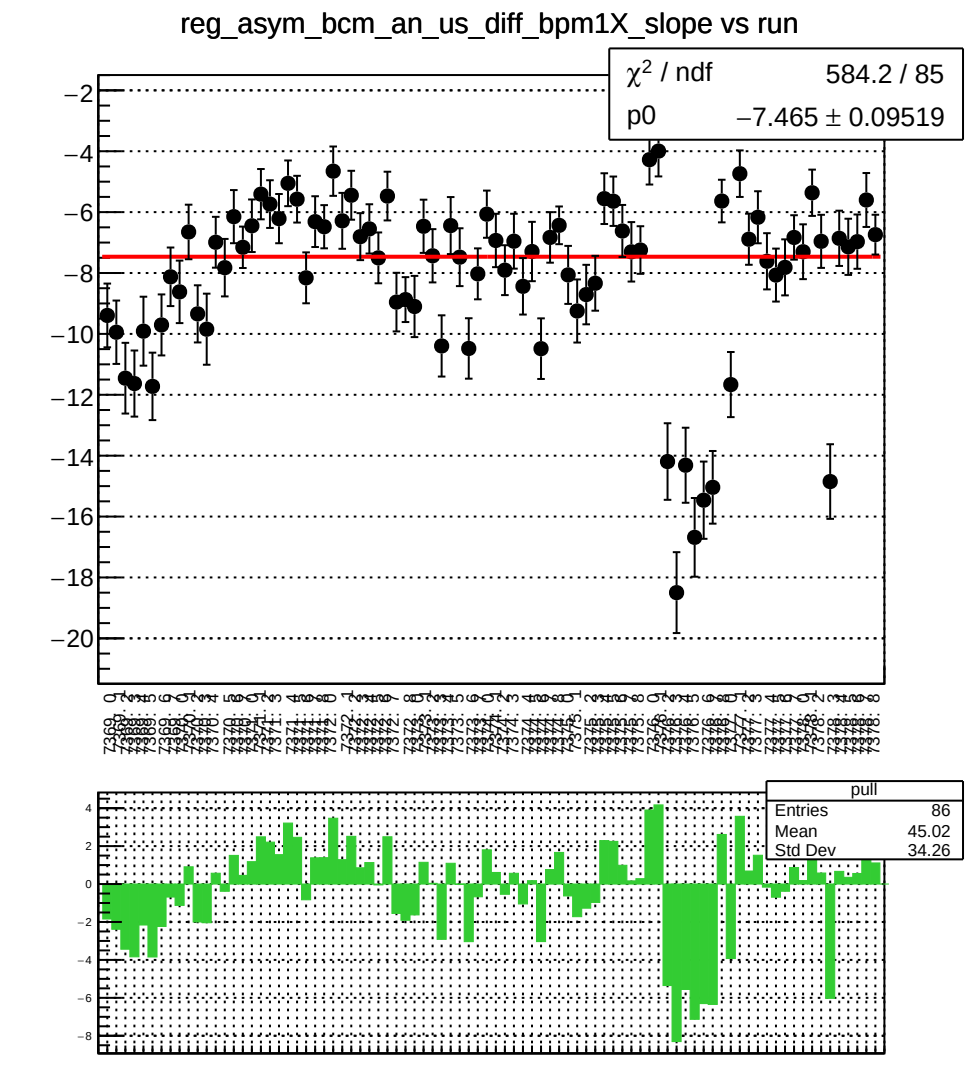

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 350.7 / 85
p0 −3.524 ± 0.1053
pull
Entries 86
Mean −2346
Std Dev 2396
pull1D
Entries 86
Mean −0.005717
Std Dev 2.019

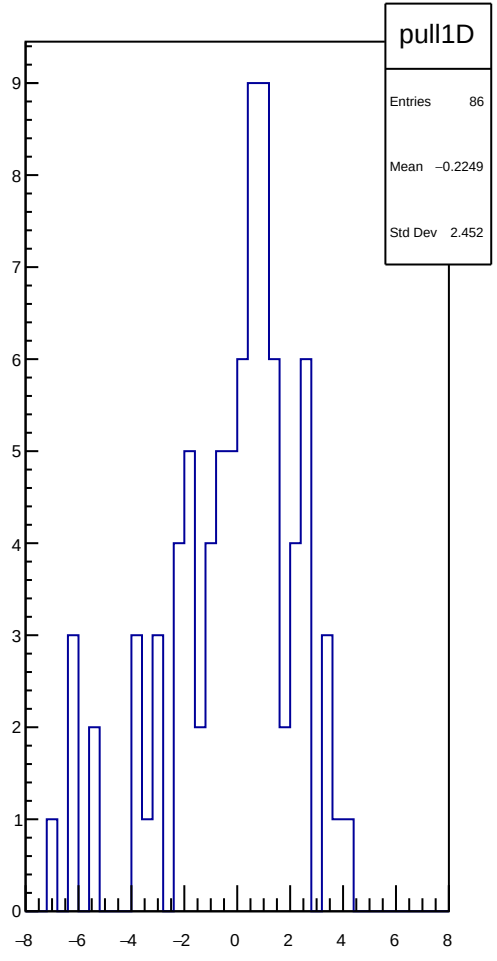

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 592.7 / 85
p0 7.806 ± 0.09861
pull
Entries 86
Mean 49.1
Std Dev 32.05
pull1D
Entries 86
Mean 0.2237
Std Dev 2.459

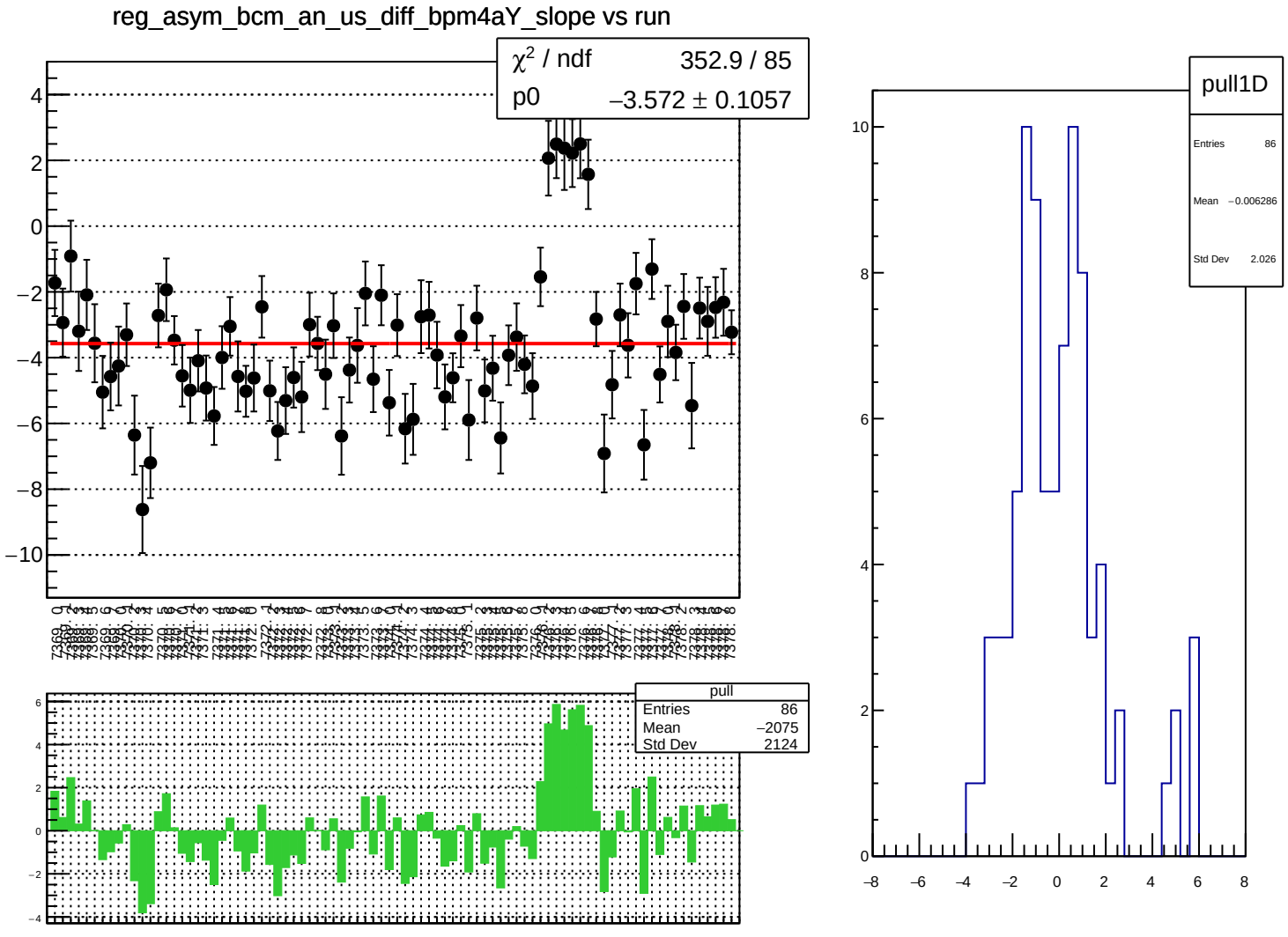

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 351.1 / 85
p0 3.151 ± 0.1124
pull
Entries 86
Mean 6217
Std Dev 6168

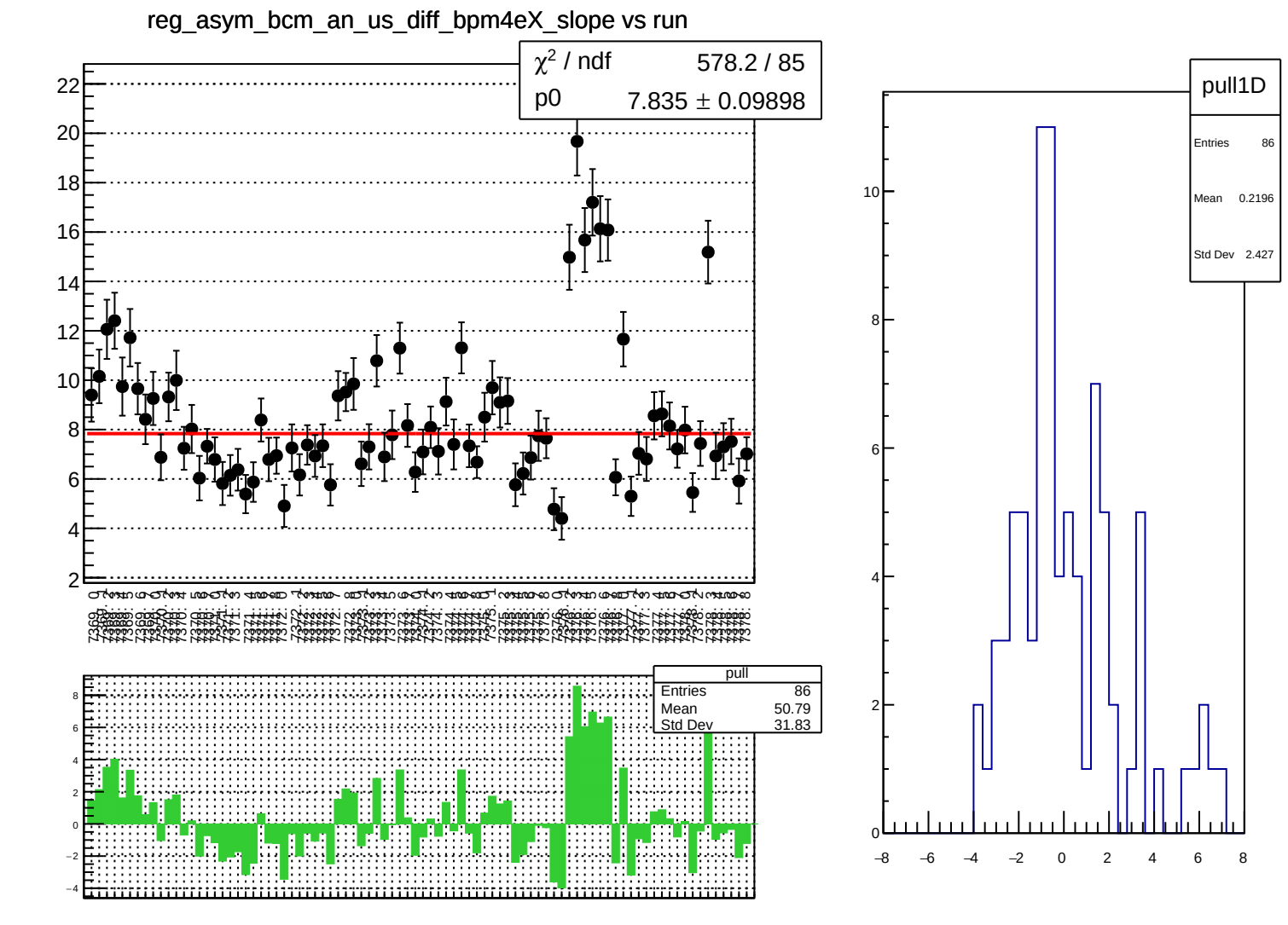

pull1D
Entries 86
Mean −0.002843
Std Dev 2.02

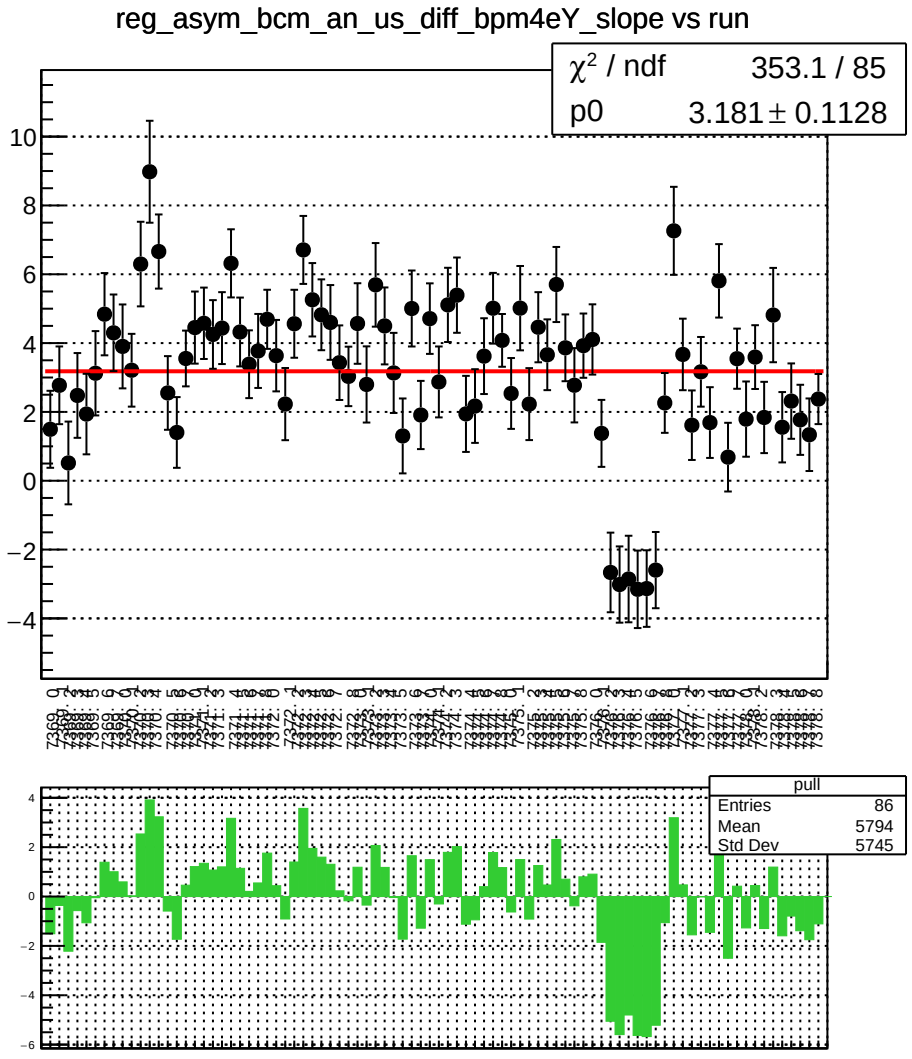

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 121.4 / 85
p0 0.1312 ± 0.00515
pull
Entries 86
Mean −357
Std Dev 409.2
pull1D
Entries 86
Mean 0.0268
Std Dev 1.188

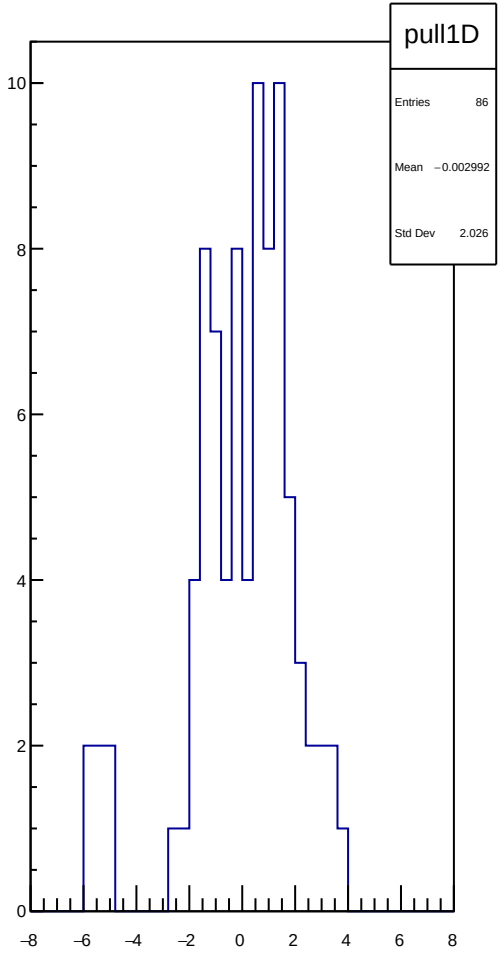

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 584.2 / 85
p0 −7.465 ± 0.09519
pull
Entries 86
Mean 45.02
Std Dev 34.26

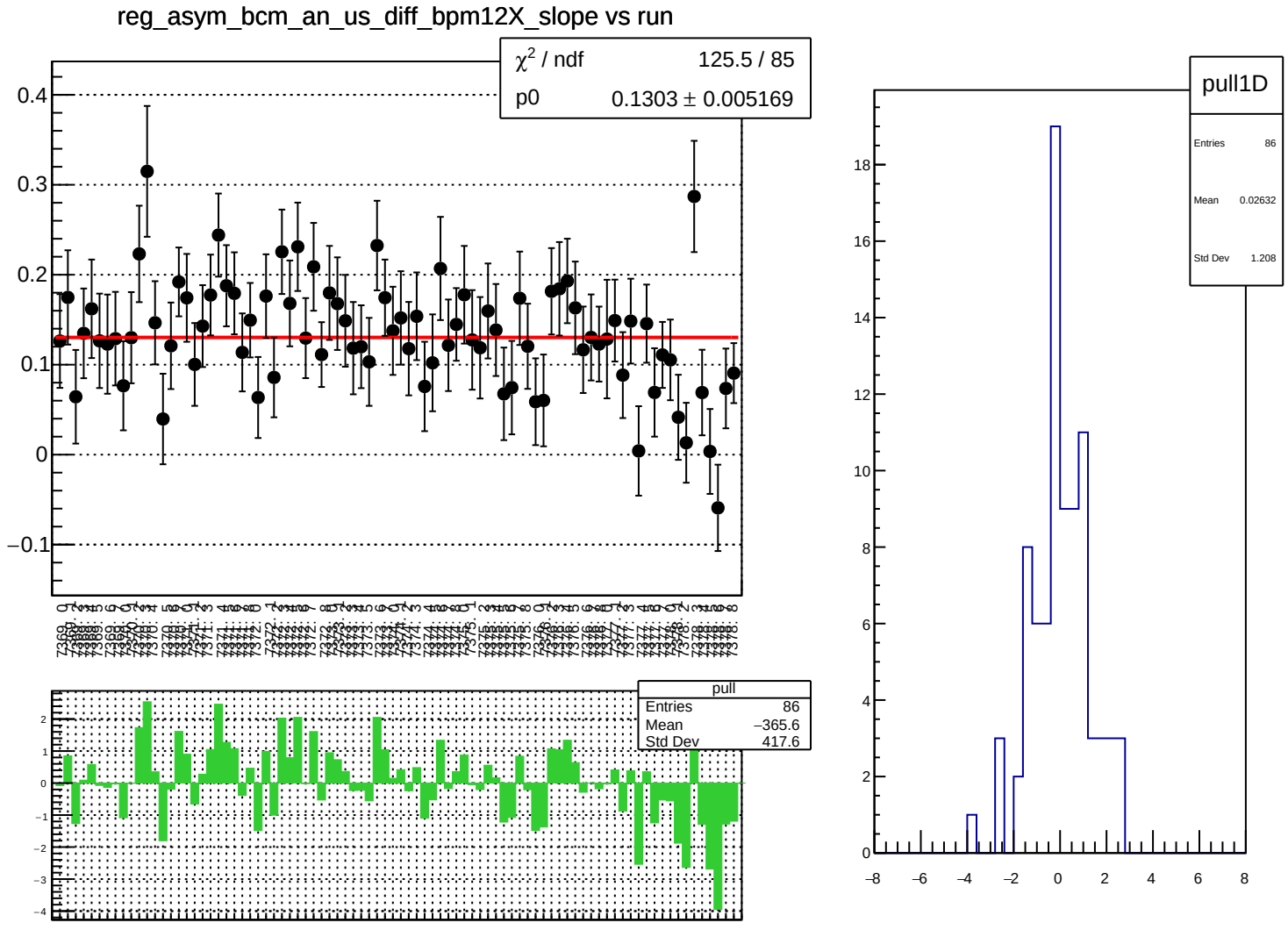

pull1D
Entries 86
Mean −0.2249
Std Dev 2.452

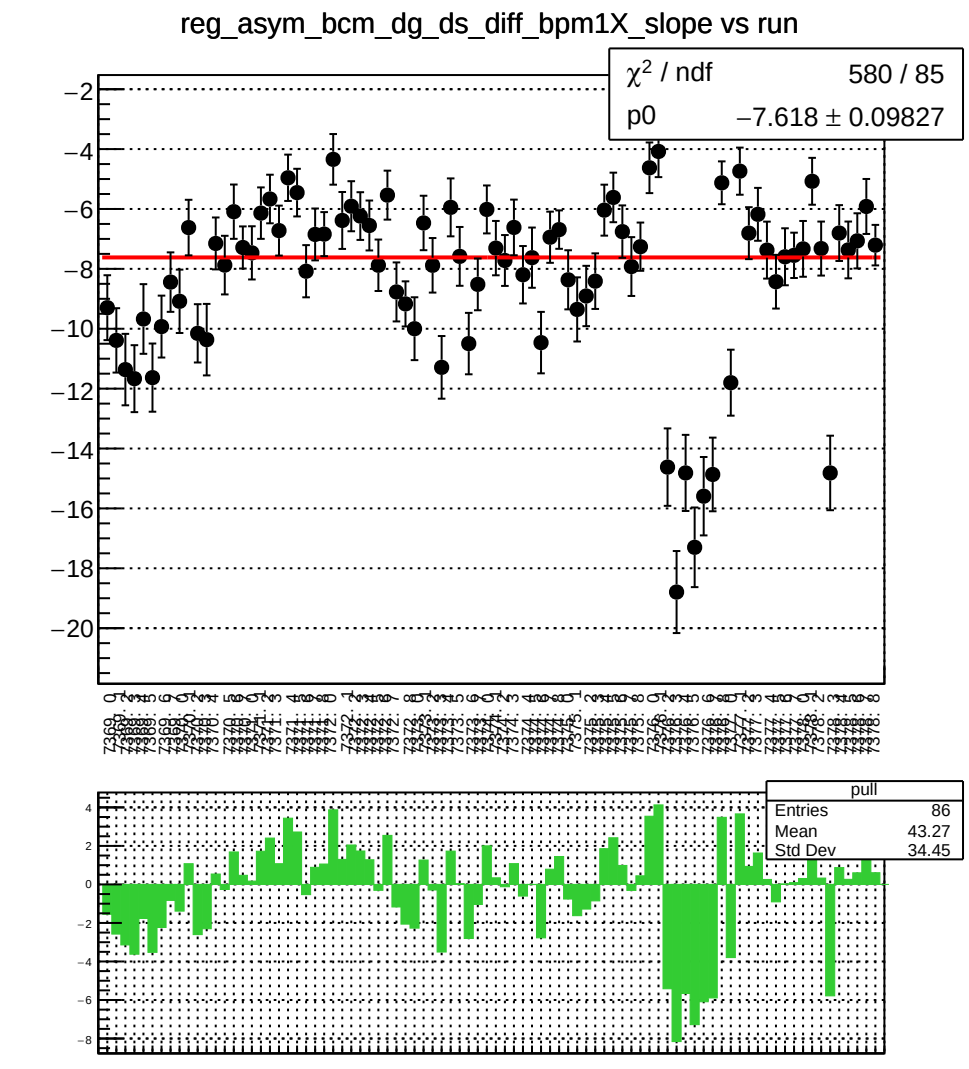

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 352.9 / 85
p0 −3.572 ± 0.1057
pull
Entries 86
Mean −2075
Std Dev 2124
pull1D
Entries 86
Mean −0.006286
Std Dev 2.026

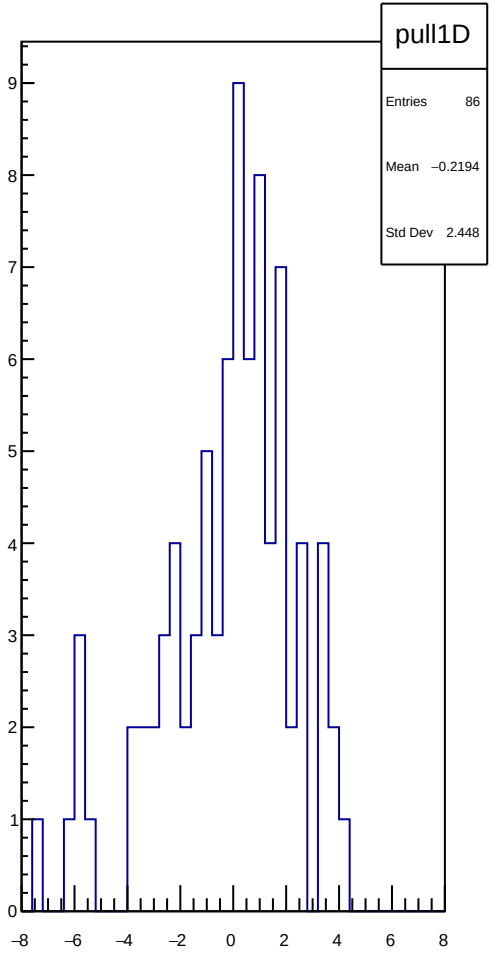

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 578.2 / 85
p0 7.835 ± 0.09898
pull
Entries 86
Mean 50.79
Std Dev 31.83
pull1D
Entries 86
Mean 0.2196
Std Dev 2.427

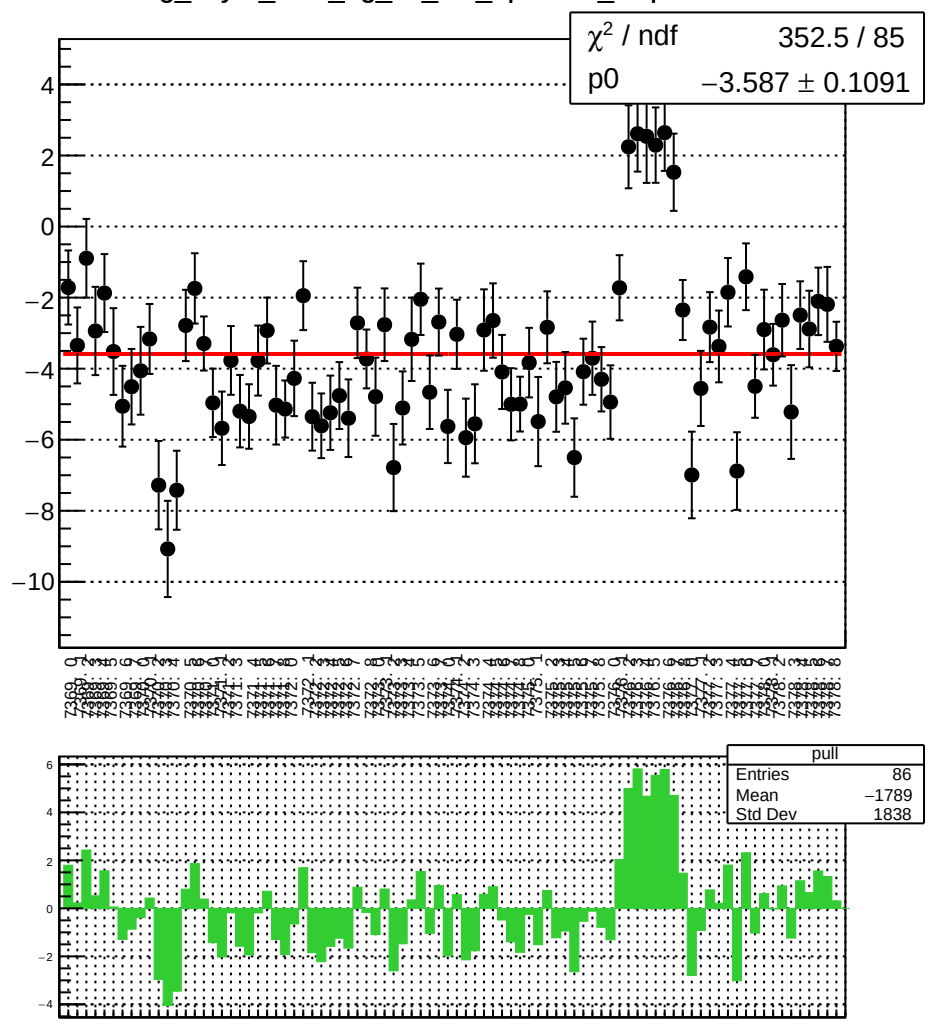

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 353.1 / 85
p0 3.181 ± 0.1128
pull
Entries 86
Mean 5794
Std Dev 5745

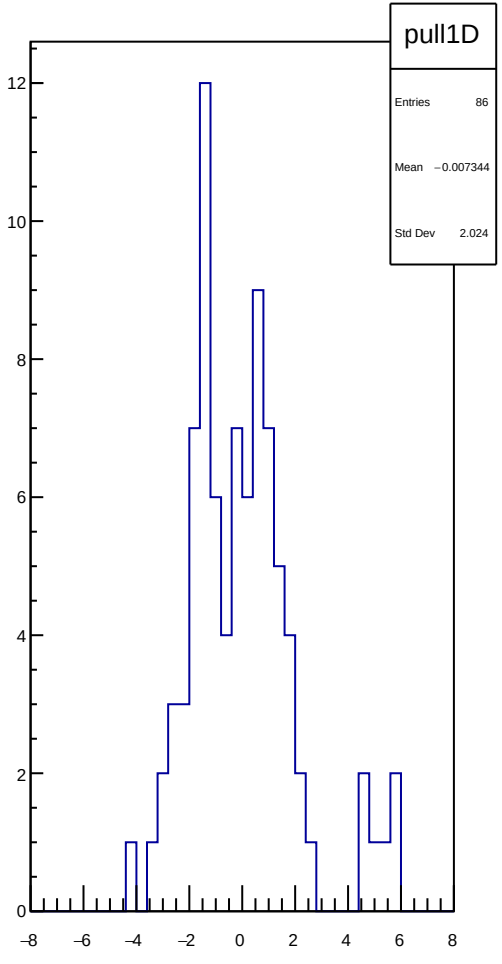

pull1D
Entries 86
Mean −0.002992
Std Dev 2.026

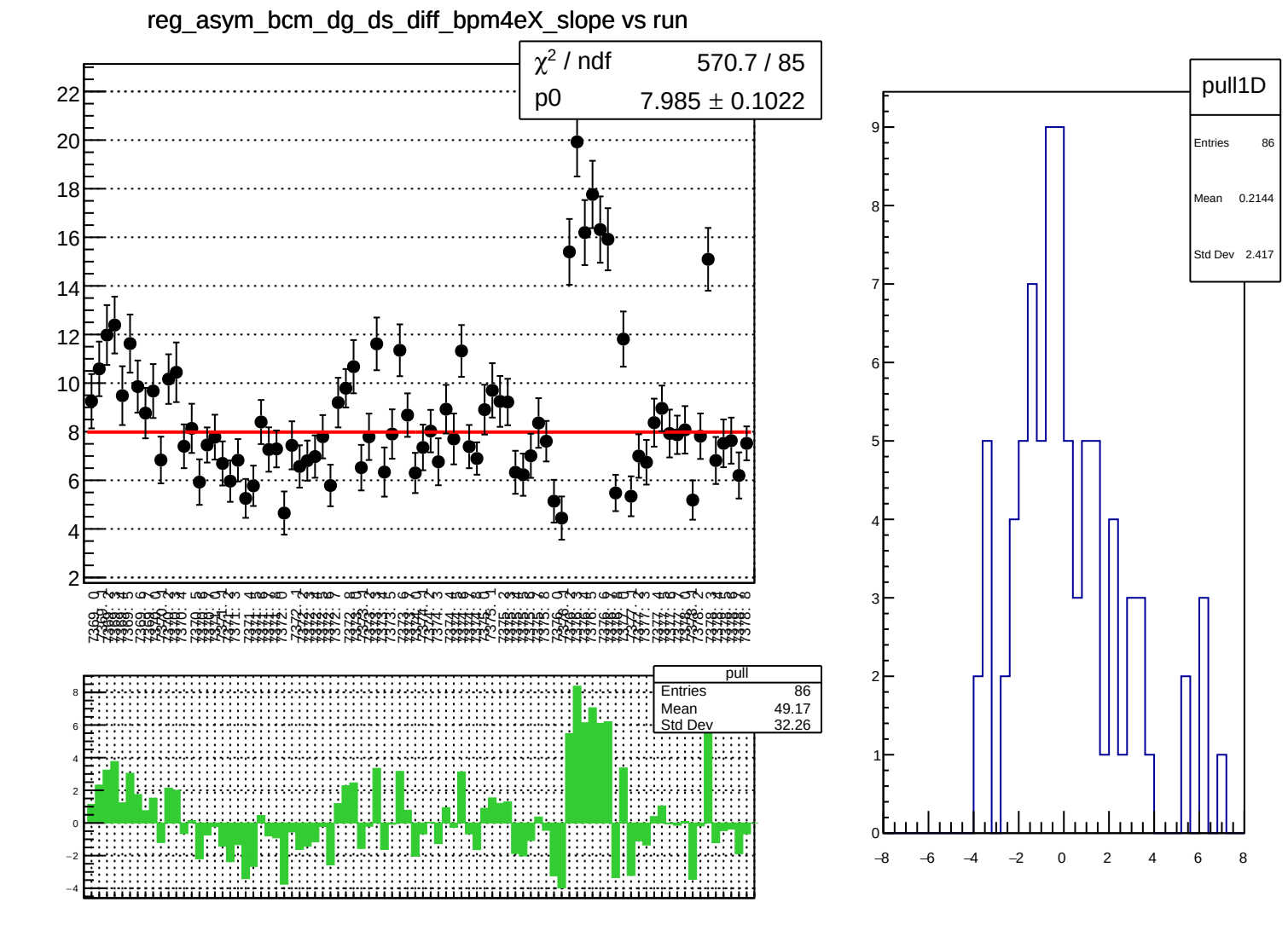

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 125.5 / 85
p0 0.1303 ± 0.005169
pull
Entries 86
Mean −365.6
Std Dev 417.6
pull1D
Entries 86
Mean 0.02632
Std Dev 1.208

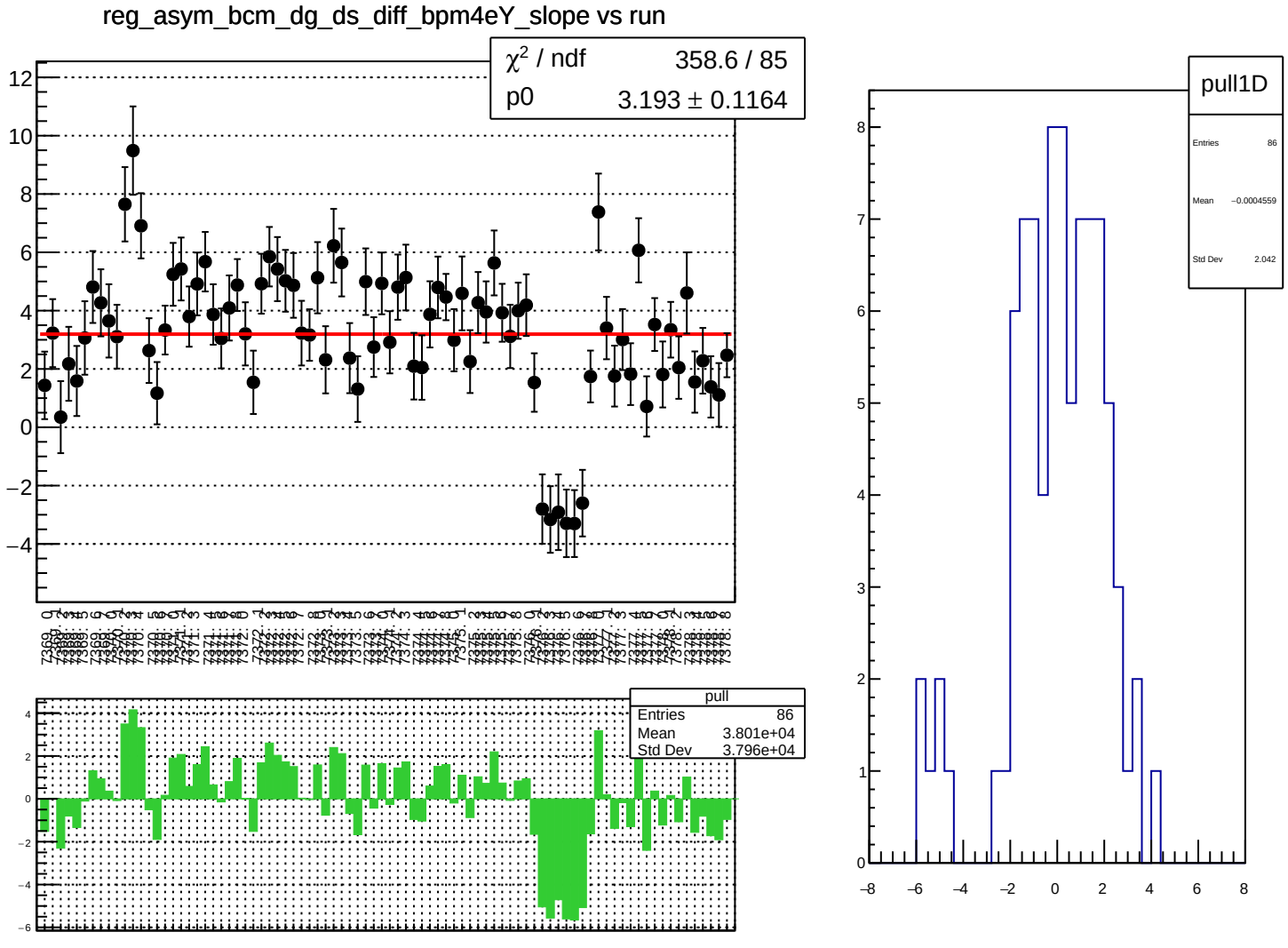

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 580 / 85
p0 −7.618 ± 0.09827
pull
Entries 86
Mean 43.27
Std Dev 34.45

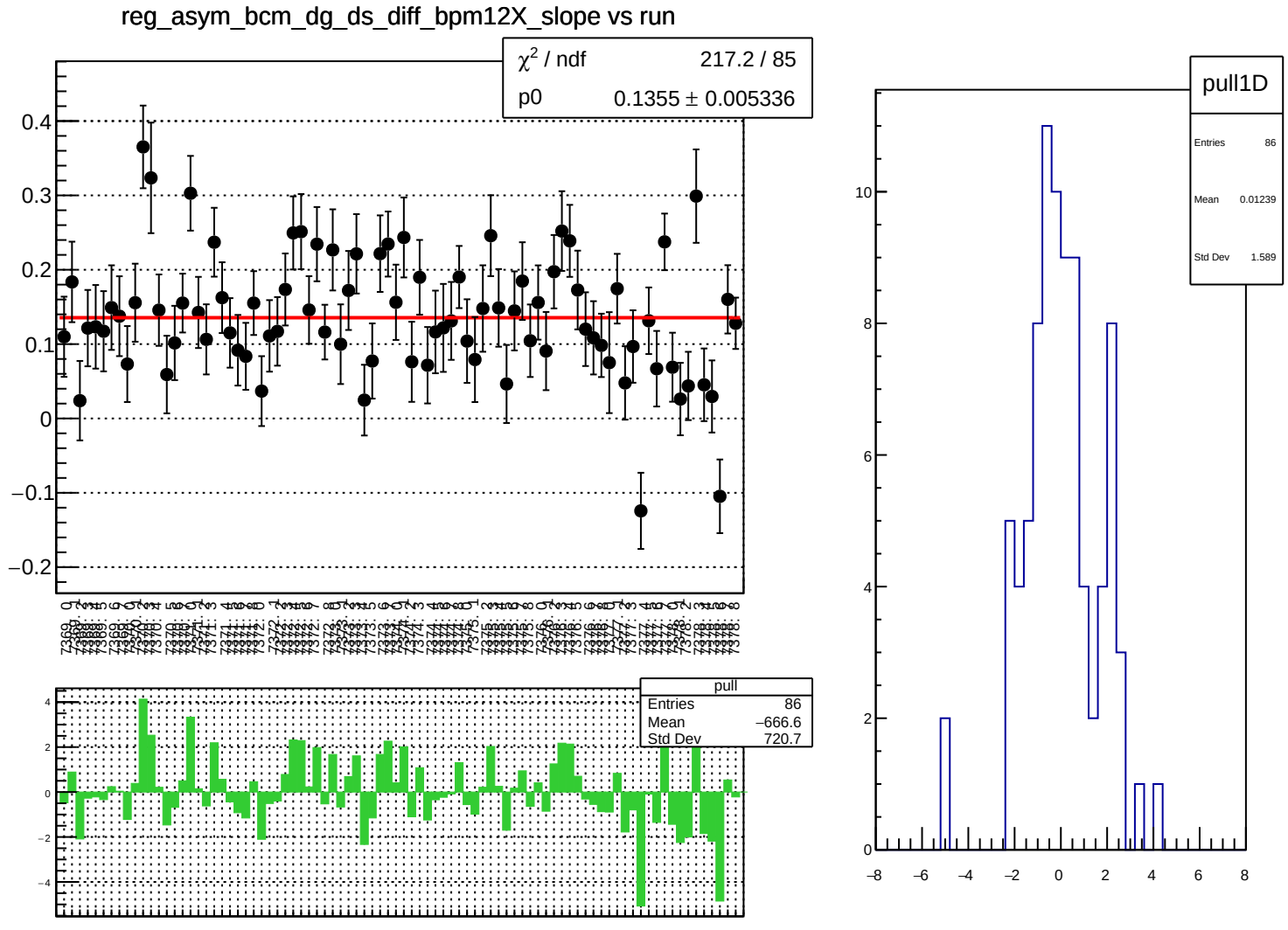

pull1D
Entries 86
Mean −0.2194
Std Dev 2.448

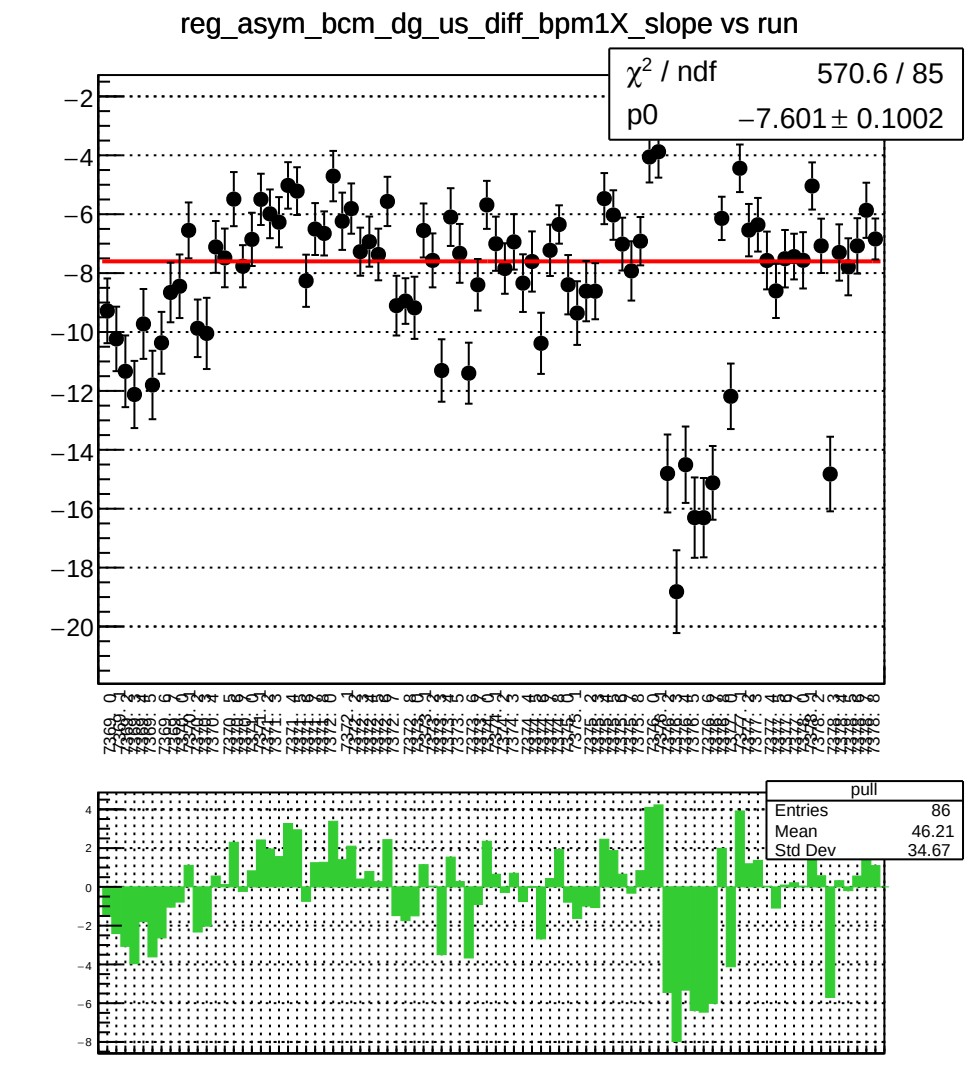

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 352.5 / 85
p0 −3.587 ± 0.1091
pull
Entries 86
Mean −1789
Std Dev 1838

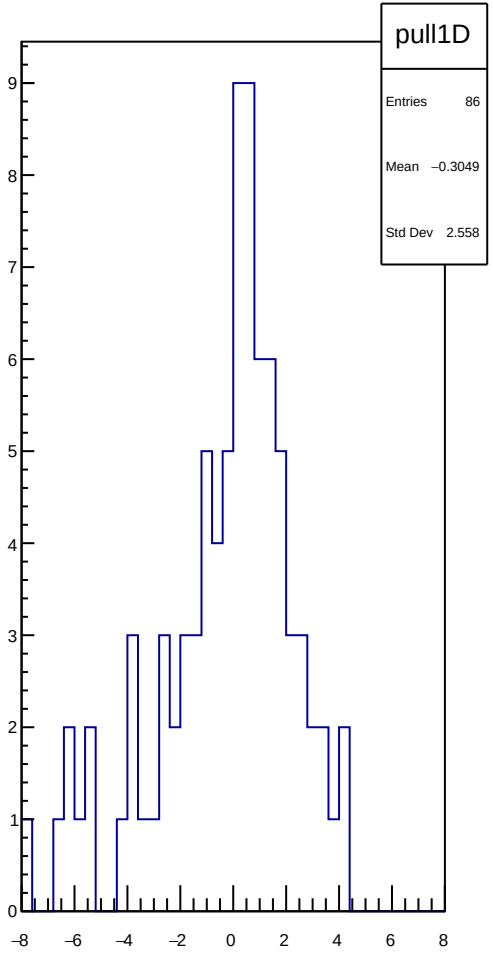

pull1D
Entries 86
Mean −0.007344
Std Dev 2.024

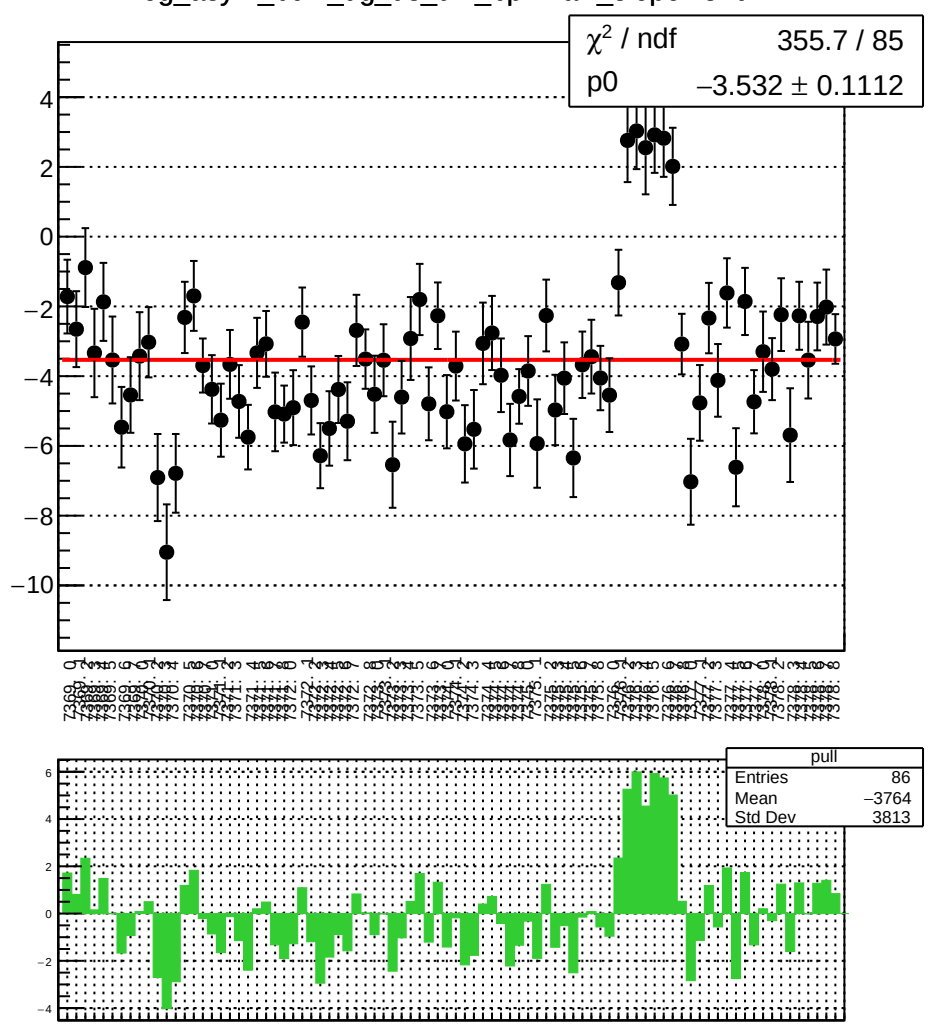

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 570.7 / 85
p0 7.985 ± 0.1022
pull
Entries 86
Mean 49.17
Std Dev 32.26
pull1D
Entries 86
Mean 0.2144
Std Dev 2.417

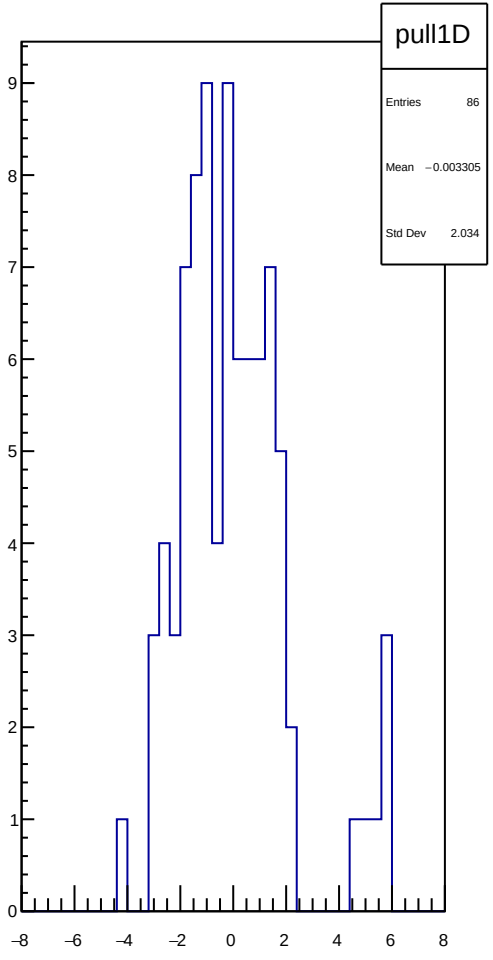

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 358.6 / 85
p0 3.193 ± 0.1164
pull
Entries 86
Mean 3.801e+04
Std Dev 3.796e+04
pull1D
Entries 86
Mean −0.0004559
Std Dev 2.042

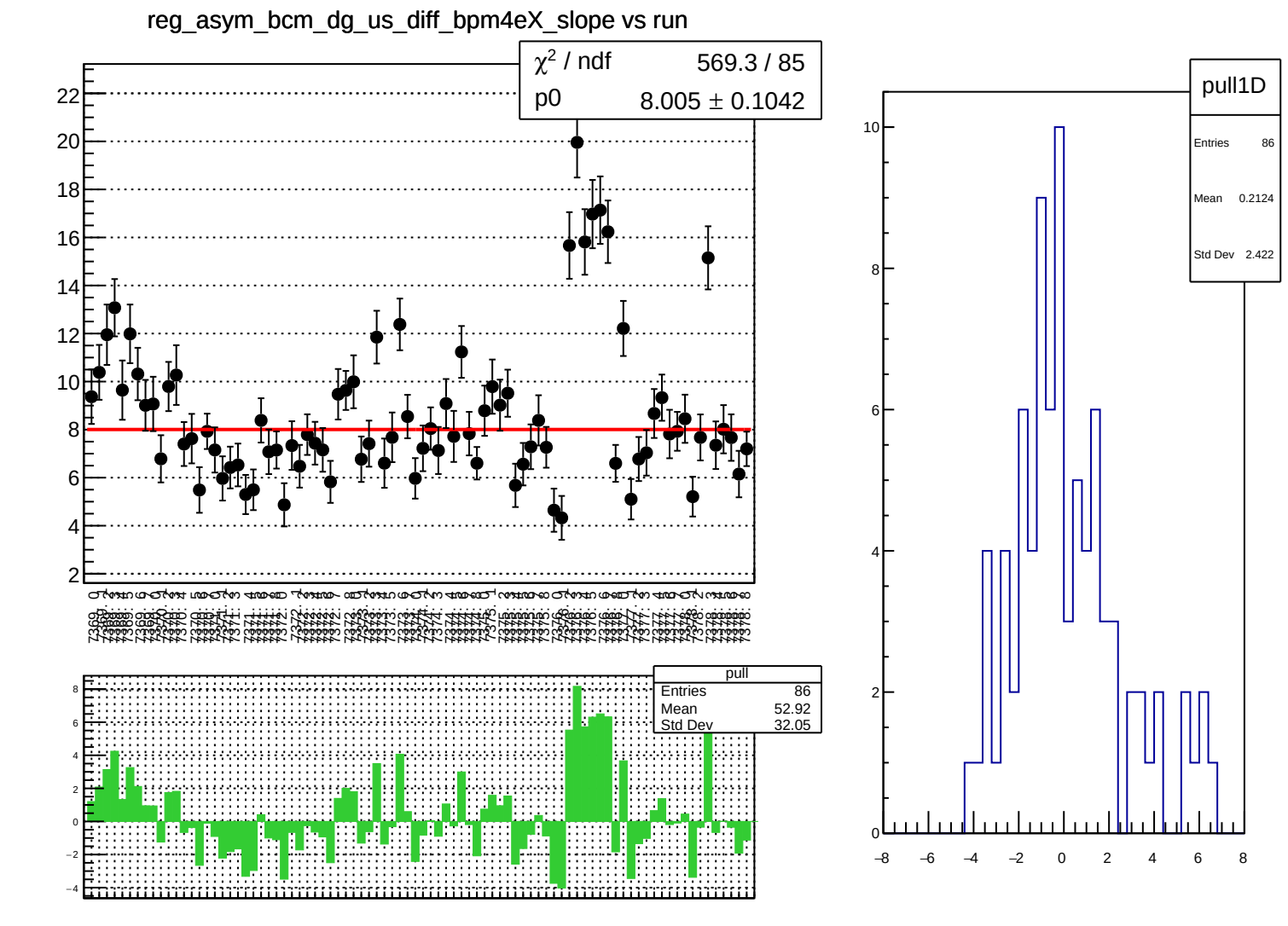

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 217.2 / 85
p0 0.1355 ± 0.005336
pull
Entries 86
Mean −666.6
Std Dev 720.7
pull1D
Entries 86
Mean 0.01239
Std Dev 1.589

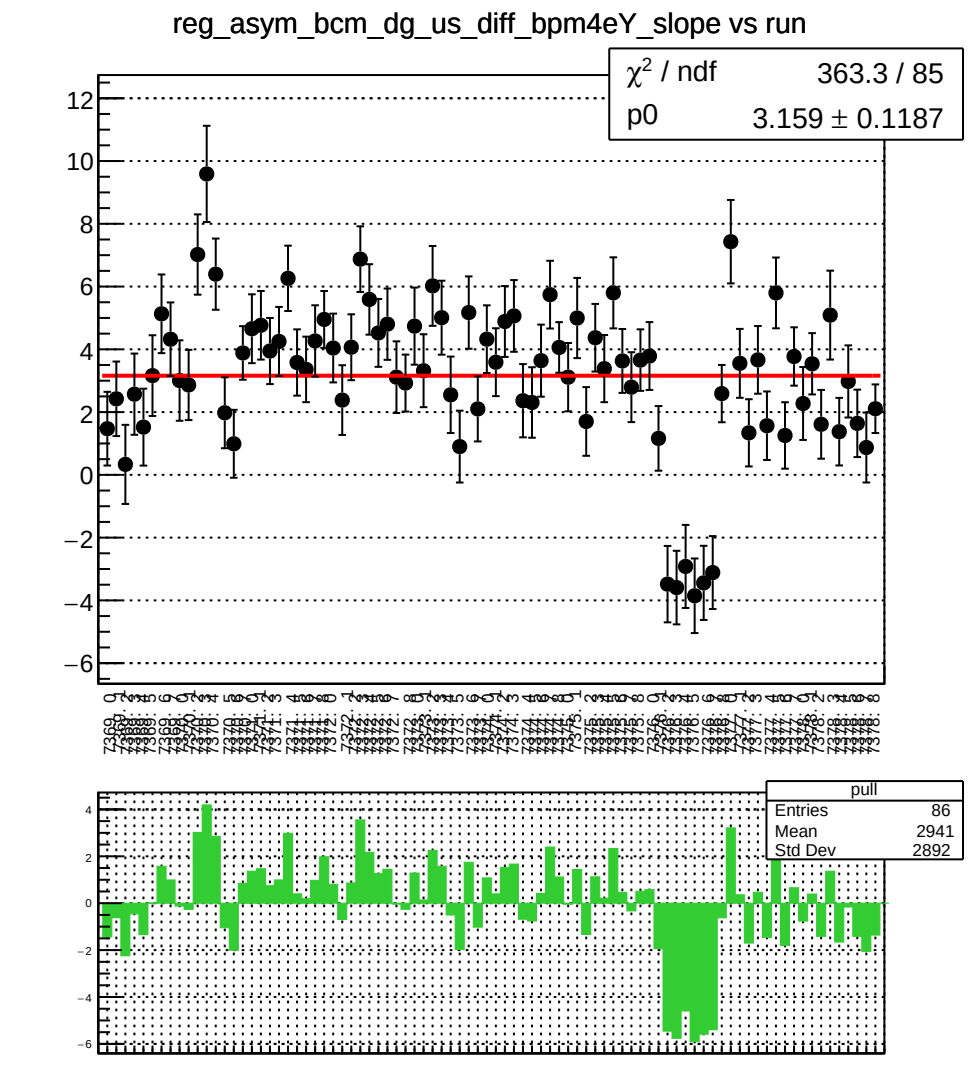

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 570.6 / 85
p0 −7.601 ± 0.1002
pull
Entries 86
Mean 46.21
Std Dev 34.67

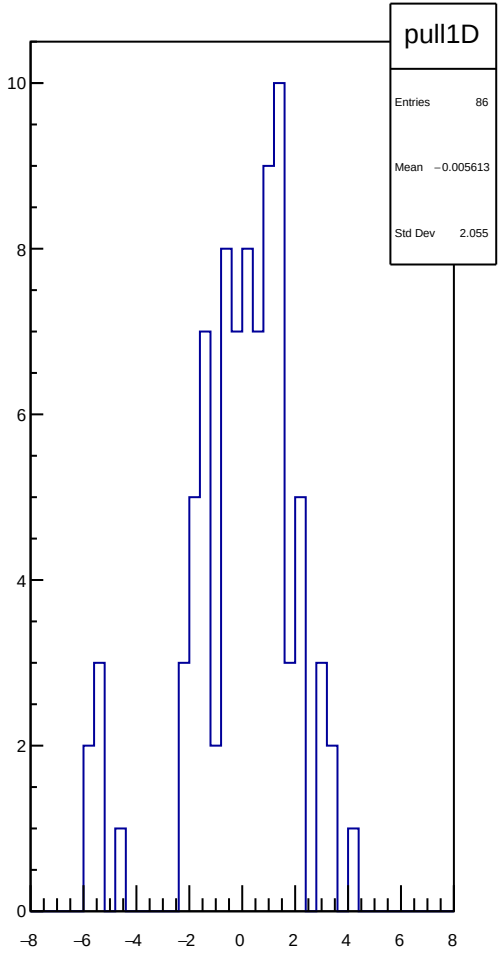

pull1D
Entries 86
Mean −0.3049
Std Dev 2.558

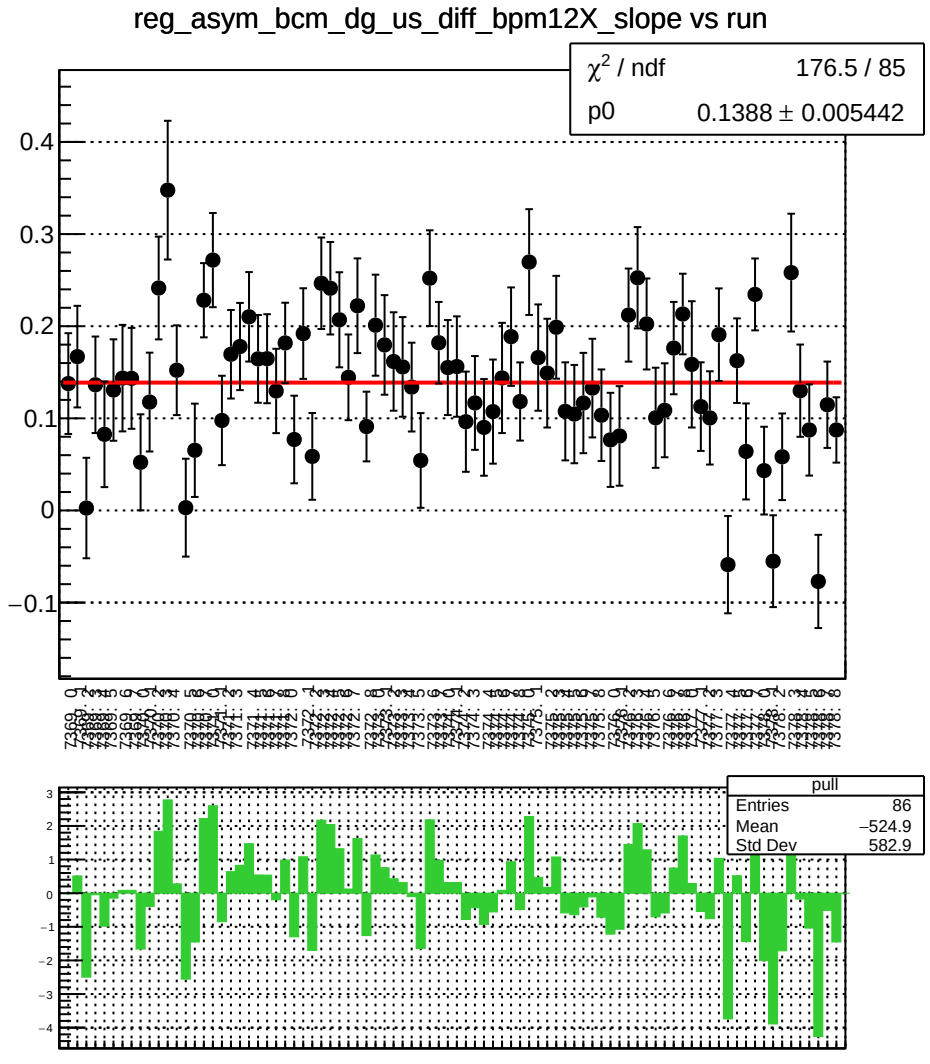

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 355.7 / 85
p0 −3.532 ± 0.1112
pull
Entries 86
Mean −3764
Std Dev 3813

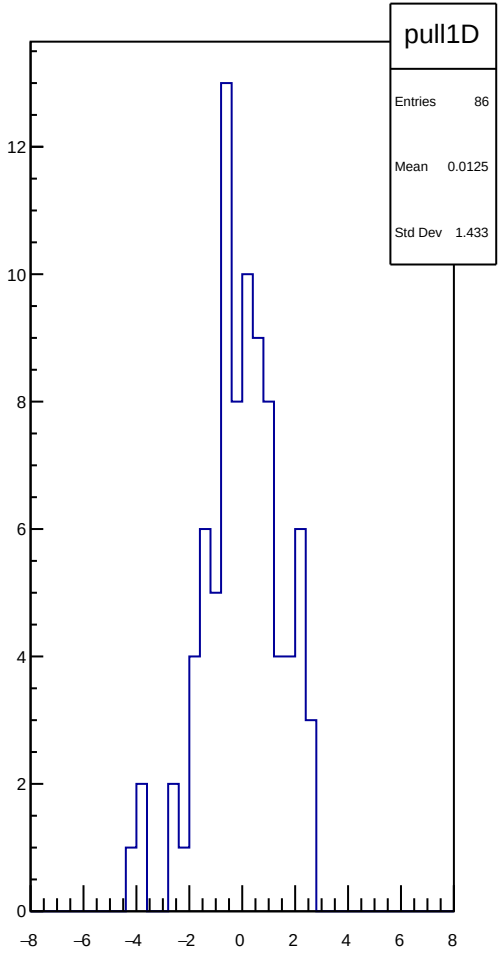

pull1D
Entries 86
Mean −0.003305
Std Dev 2.034


reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 569.3 / 85
p0 8.005 ± 0.1042
pull
Entries 86
Mean 52.92
Std Dev 32.05
pull1D
Entries 86
Mean 0.2124
Std Dev 2.422


reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 363.3 / 85
p0 3.159 ± 0.1187
pull
Entries 86
Mean 2941
Std Dev 2892


pull1D
Entries 86
Mean −0.005613
Std Dev 2.055


reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 176.5 / 85
p0 0.1388 ± 0.005442
pull
Entries 86
Mean −524.9
Std Dev 582.9


pull1D
Entries 86
Mean 0.0125
Std Dev 1.433